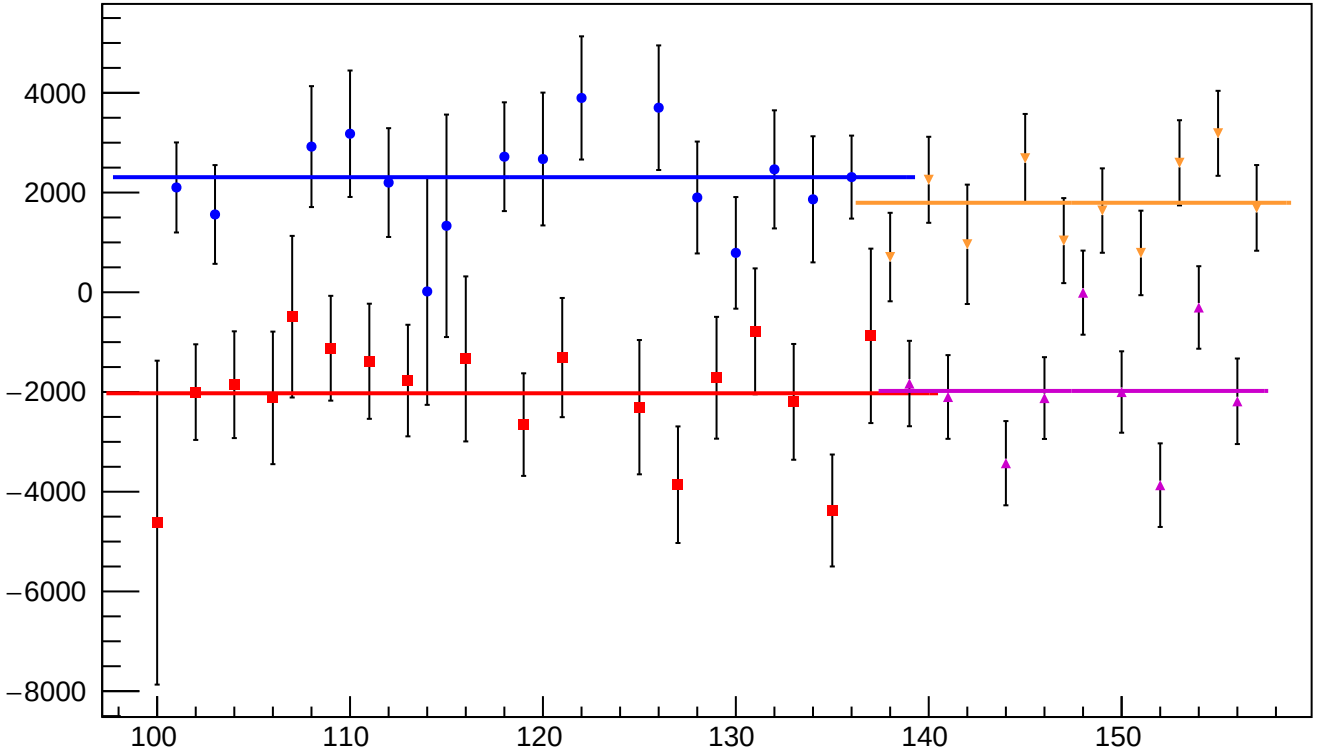
reg_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

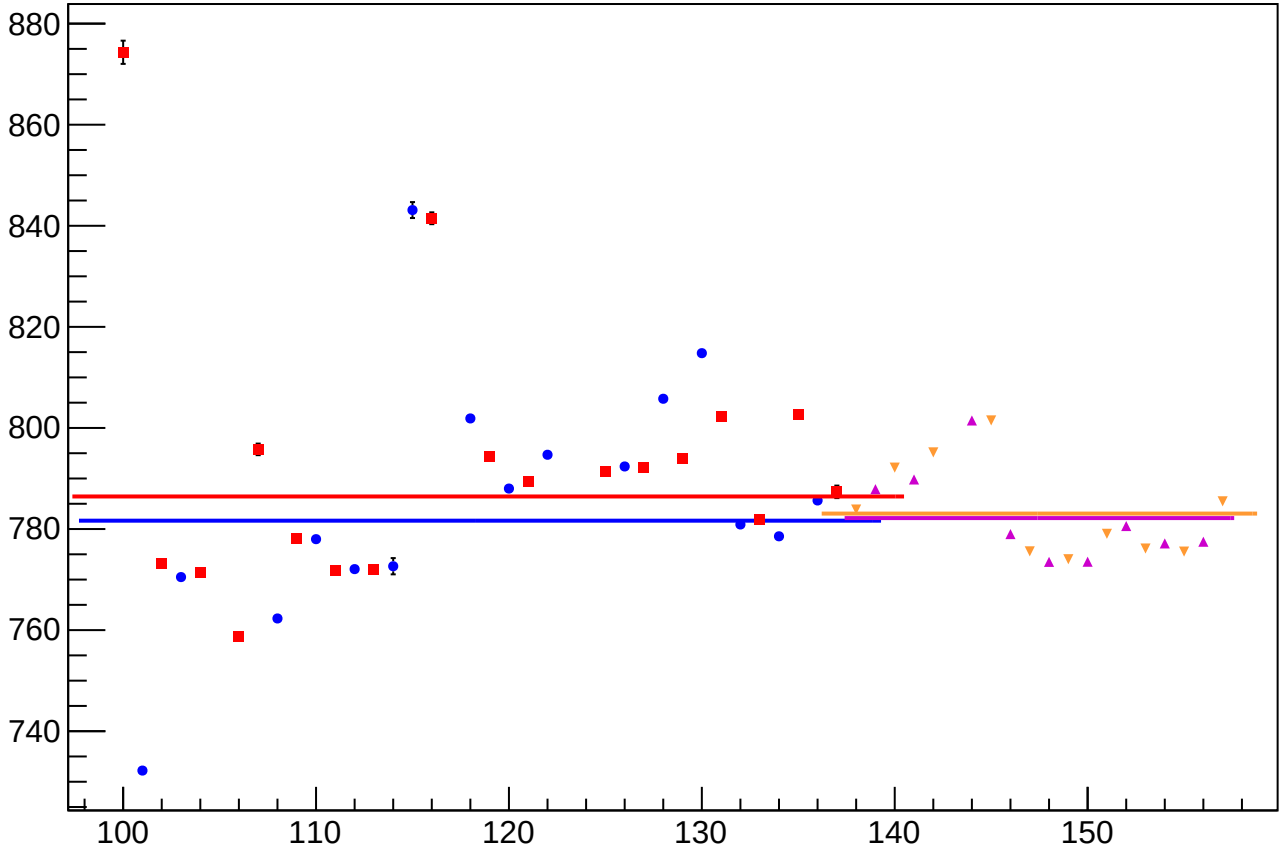
Left In: -1978.781+/-279.326 χ^2/NDF:17.7/8

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: 18.845+/-142.248 χ^2/NDF: 250.1/52

- sign -2001.342+/-201.113 χ^2/NDF: 29.7/26

reg_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

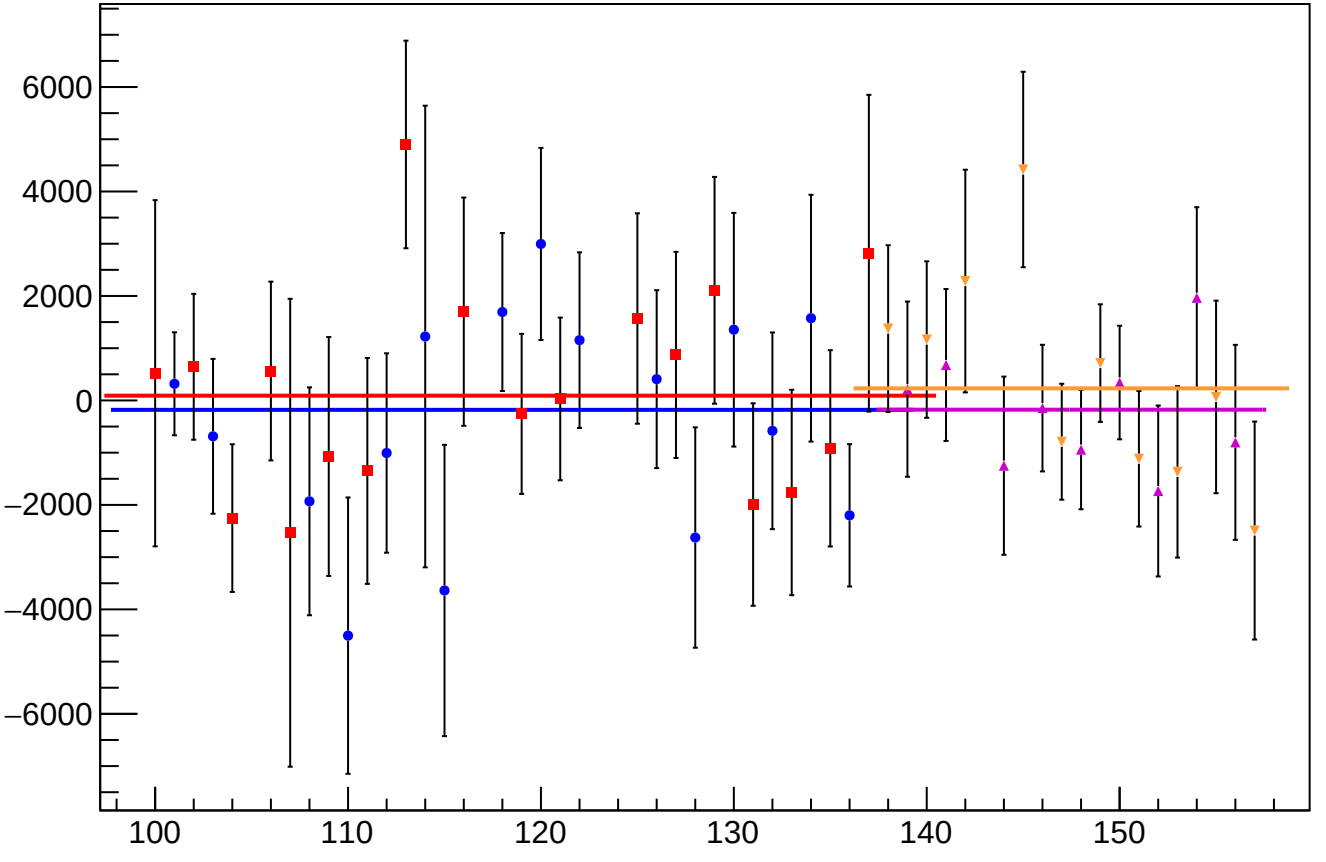
Left In: 782.166+/-0.198 χ^2/NDF:1904.7/8

+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.305+/-0.101 χ^2/NDF: 23775.8/52

- sign 784.226+/-0.142 χ^2/NDF: 9332.1/26

asym_us_avg_reg_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

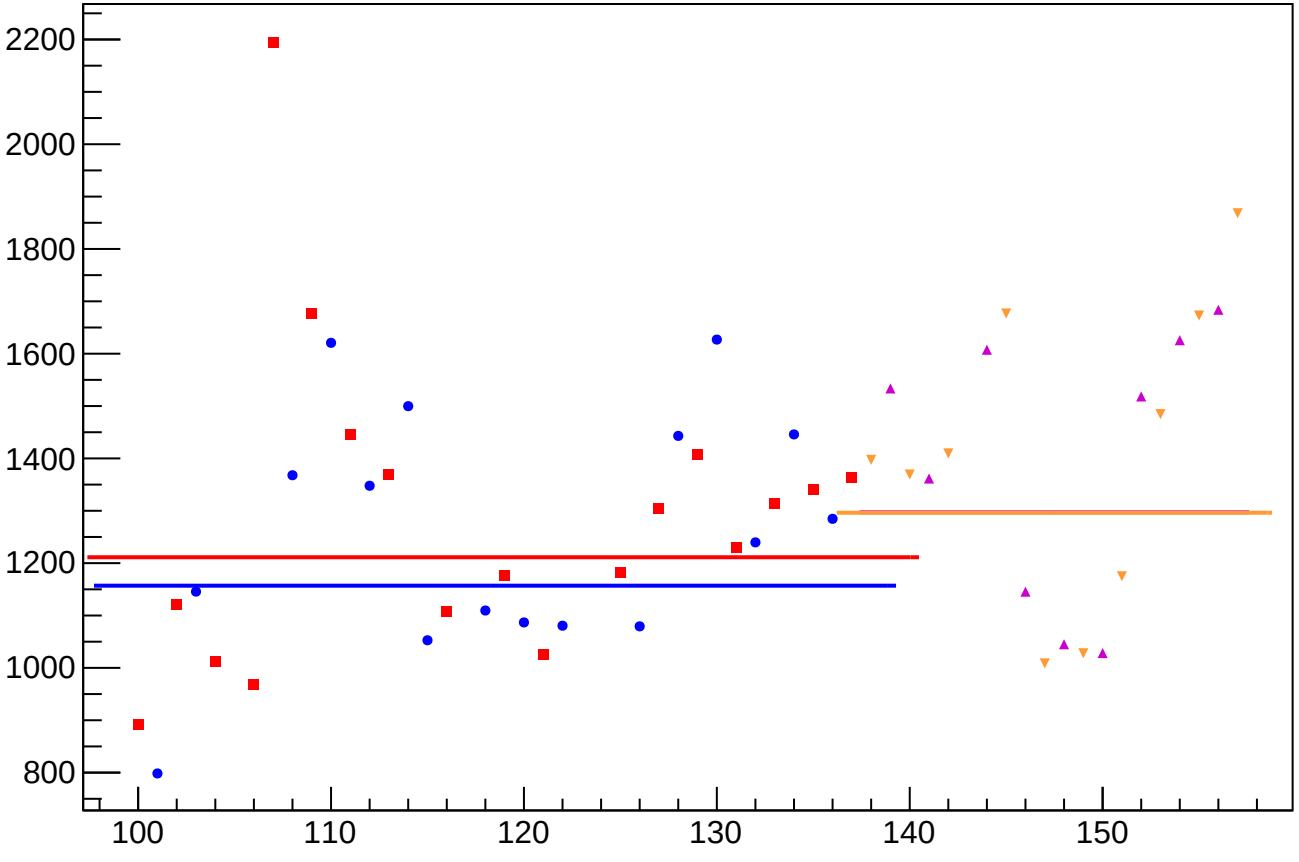
Left In: -176.962+/-473.515 χ^2/NDF:4.0/8

+ sign 10.245+/-323.049 χ^2/NDF: 27.4/25

All: -13.231+/-230.165 χ^2/NDF: 46.8/52

- sign -37.434+/-328.013 χ^2/NDF: 19.4/26

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

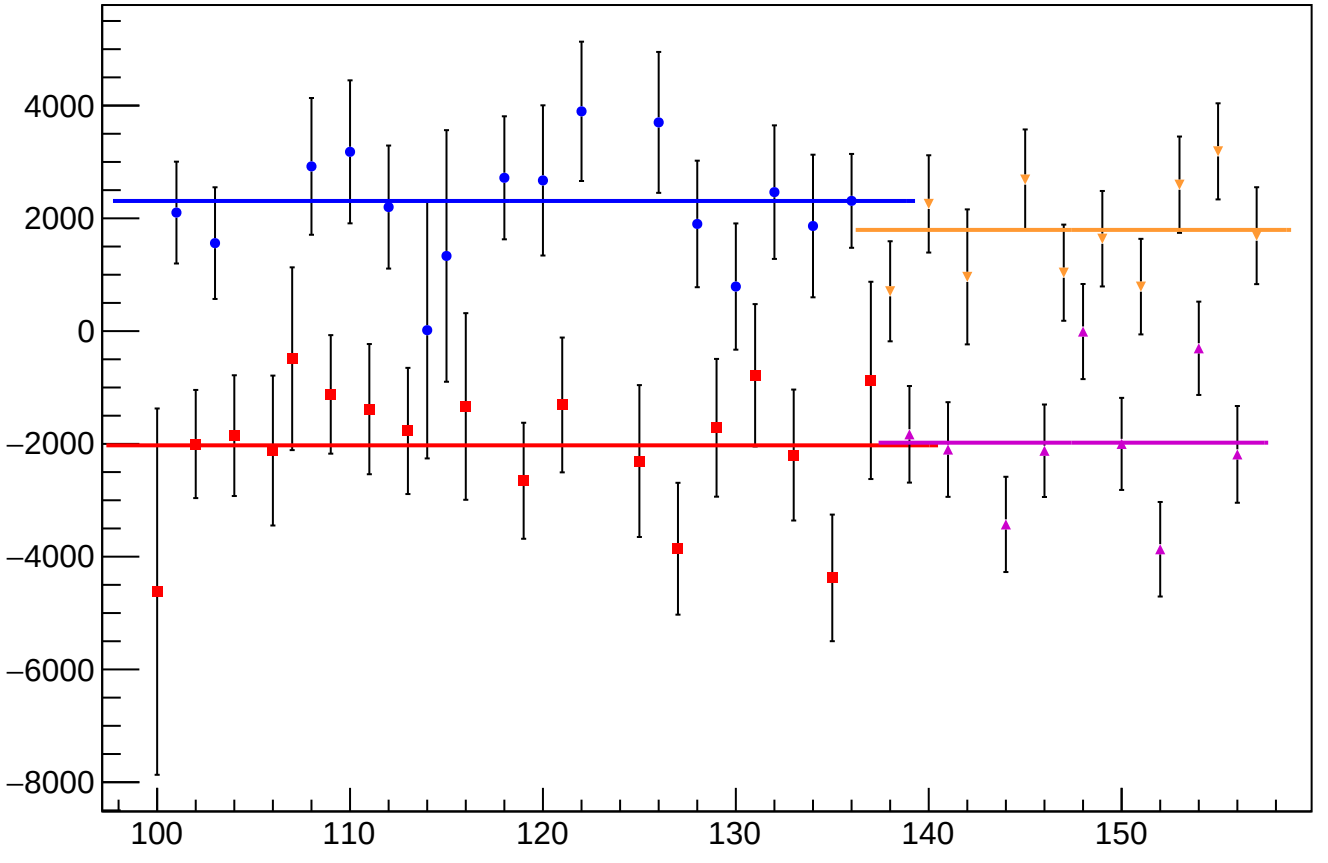
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1297.133+/-0.335 χ^2/NDF:555324.4/8

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.728+/-0.163 χ^2/NDF: 2284900.6/52

- sign 1252.469+/-0.232 χ^2/NDF: 987249.4/26



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

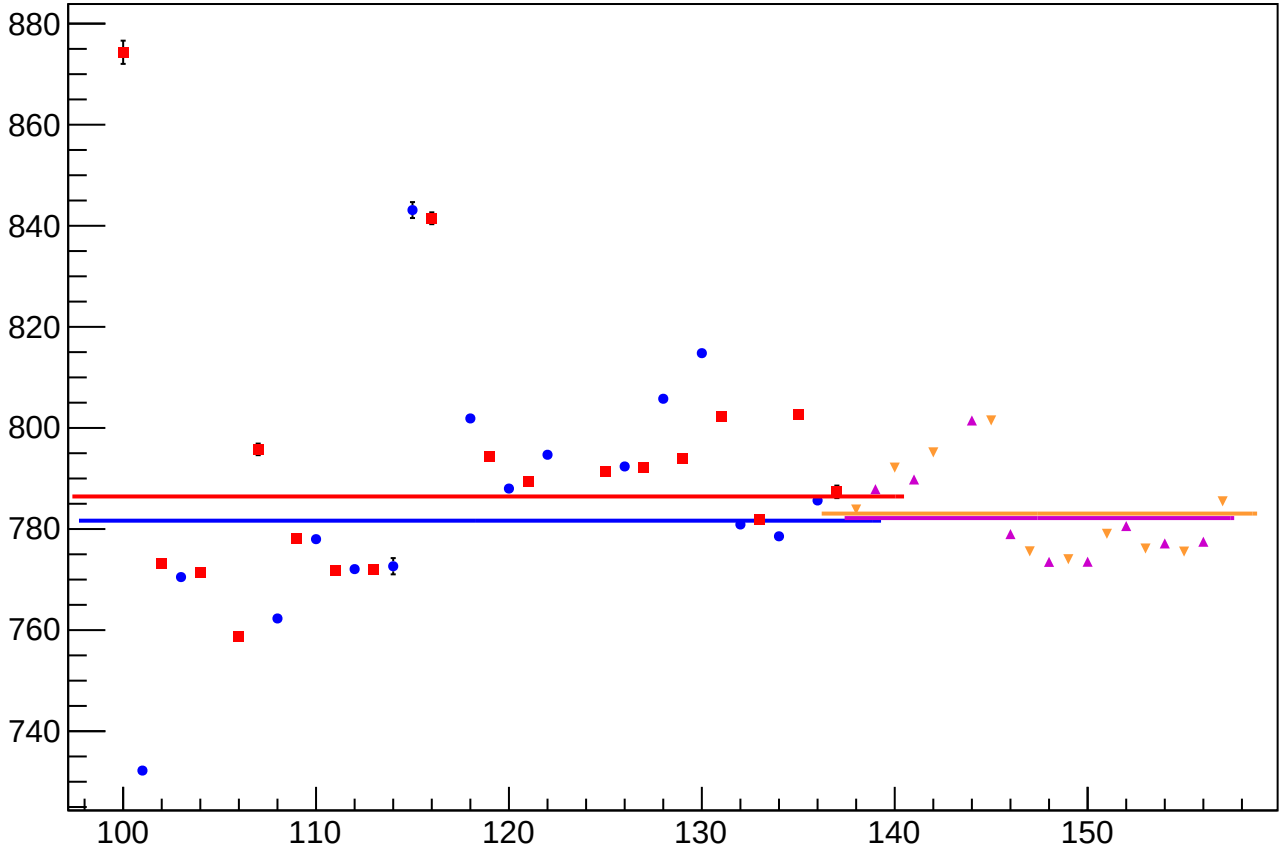
Left In: -1978.781+/-279.326 χ^2/NDF:17.7/8

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: 18.845+/-142.248 χ^2/NDF: 250.1/52

- sign -2001.342+/-201.113 χ^2/NDF: 29.7/26

cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

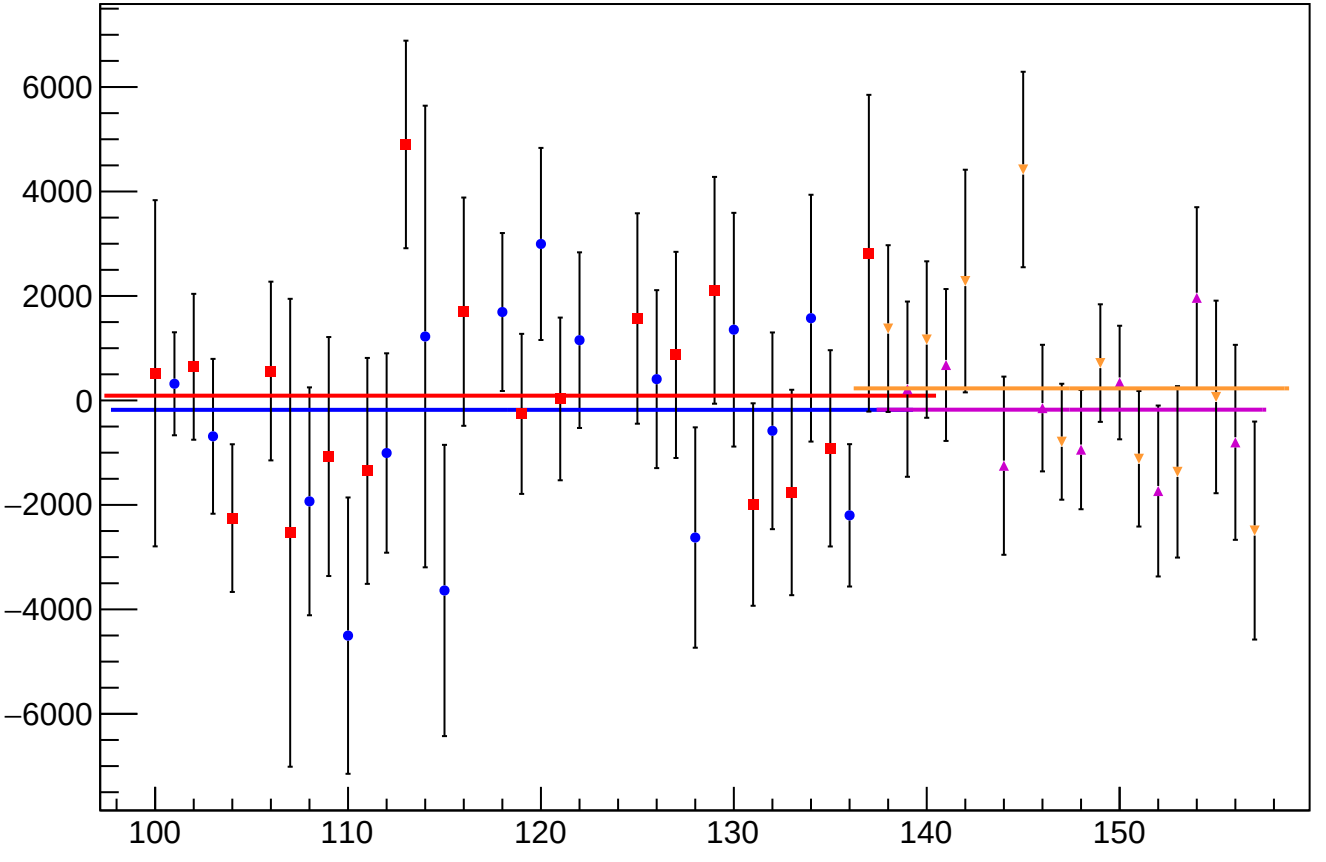
Left In: 782.166+/-0.198 χ^2/NDF:1904.7/8

+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.305+/-0.101 χ^2/NDF: 23775.8/52

- sign 784.226+/-0.142 χ^2/NDF: 9332.1/26

asym_us_avg_cor_correction_mean vs Slug



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

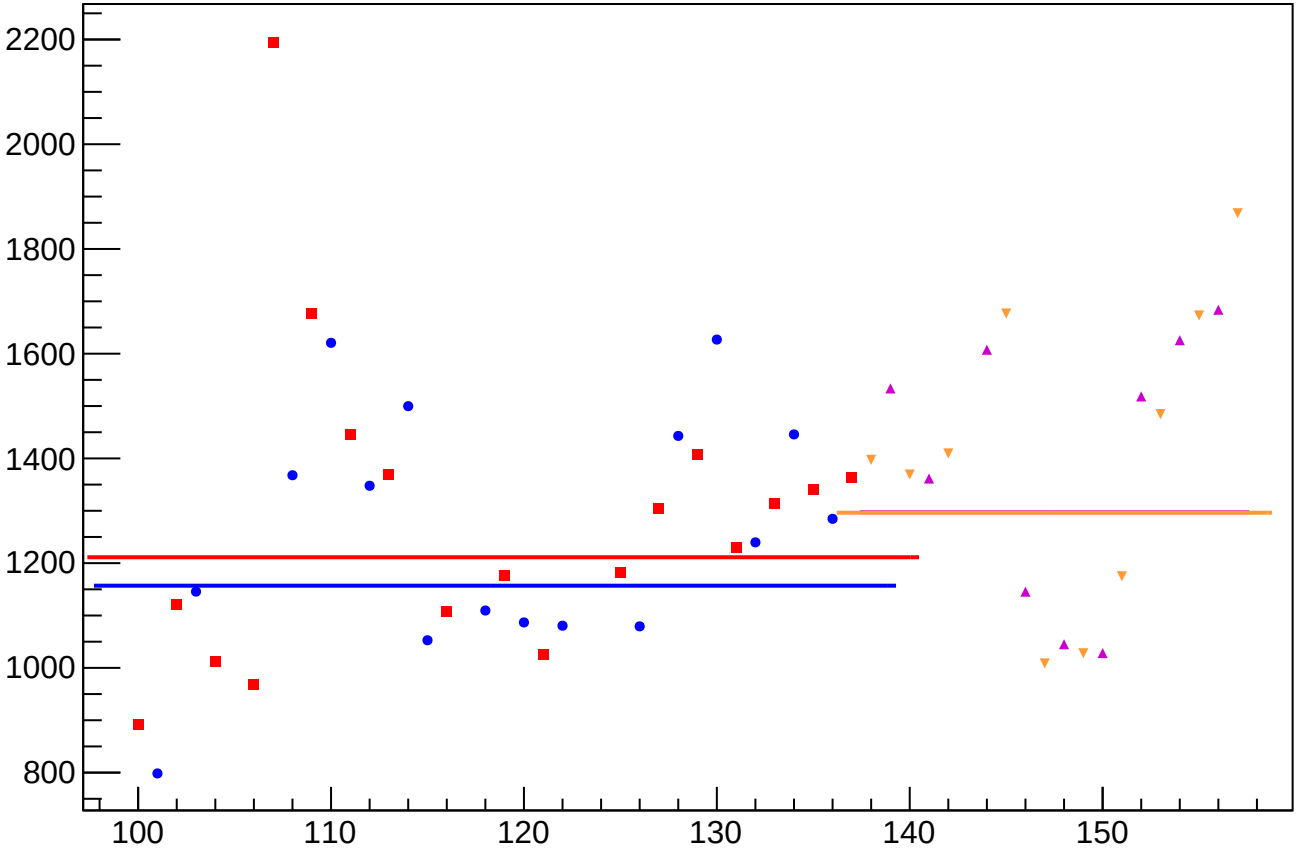
Left In: -176.962+/-473.515 χ^2/NDF:4.0/8

+ sign 10.245+/-323.049 χ^2/NDF: 27.4/25

All: -13.231+/-230.165 χ^2/NDF: 46.8/52

- sign -37.434+/-328.013 χ^2/NDF: 19.4/26

asym_us_avg_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

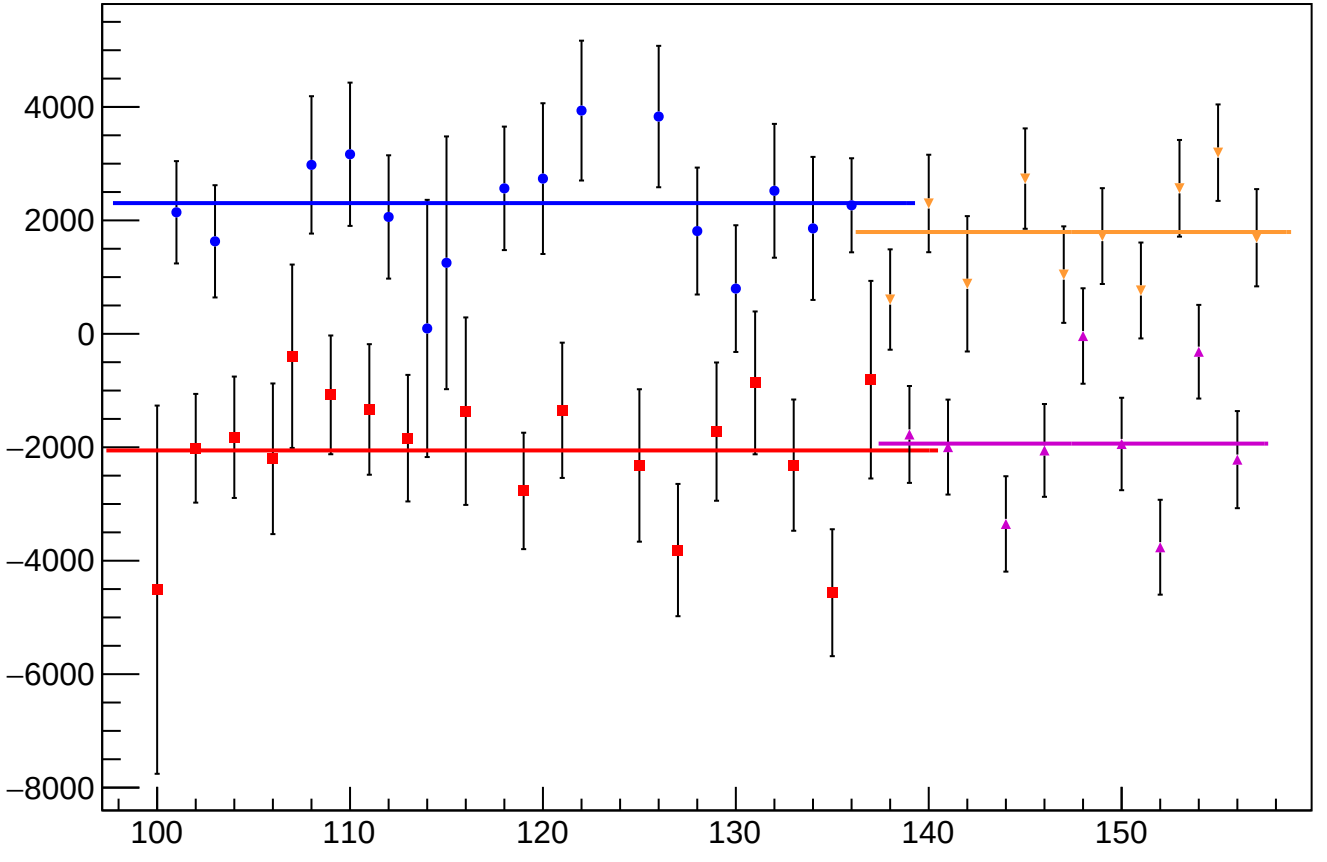
Left In: 1297.133+/-0.335 χ^2/NDF:555324.4/8

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.728+/-0.163 χ^2/NDF: 2284900.6/52

- sign 1252.469+/-0.232 χ^2/NDF: 987249.4/26

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852+/-289.704 χ^2/NDF: 8.1/15

Left Out: 1795.150+/-278.284 χ^2/NDF:9.7/9

Right Out: -2055.666+/-289.090 χ^2/NDF: 12.9/17

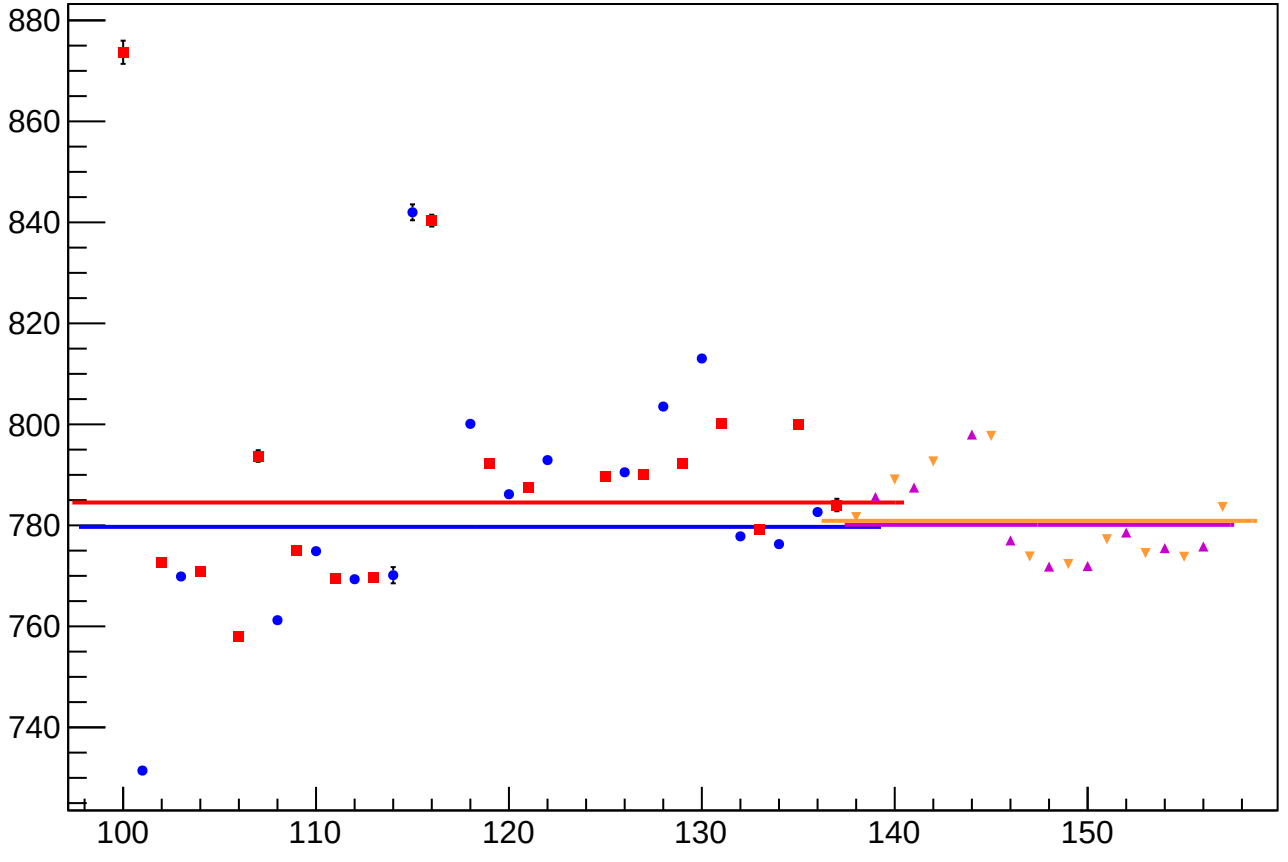
Left In: -1935.369+/-278.588 χ^2/NDF:16.7/8

+ sign 2039.757+/-200.692 χ^2/NDF: 19.4/25

All: 22.321+/-141.879 χ^2/NDF: 251.1/52

- sign -1993.293+/-200.601 χ^2/NDF: 29.7/26

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702+/-0.205 χ^2/NDF: 12060.2/15

Left Out: 780.897+/-0.197 χ^2/NDF:1752.9/9

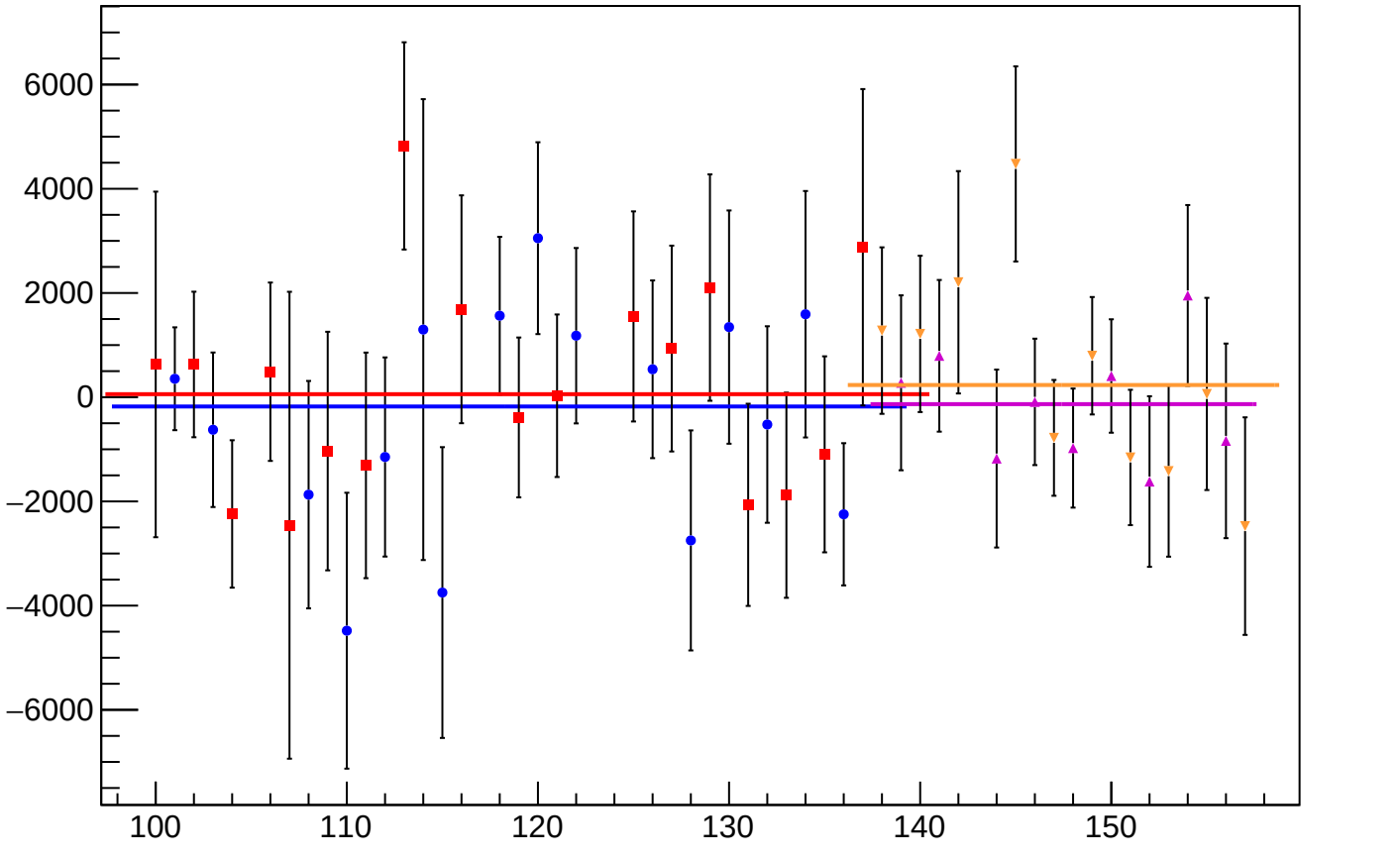
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.108+/-0.197 χ^2/NDF:1683.9/8

+ sign 780.324+/-0.142 χ^2/NDF: 13830.8/25

All: 781.280+/-0.100 χ^2/NDF: 23007.5/52

- sign 782.235+/-0.142 χ^2/NDF: 9086.0/26



Right In: -178.457+/-441.218 χ^2/NDF: 15.7/15

Left Out: 233.841+/-475.344 χ^2/NDF:11.8/9

Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

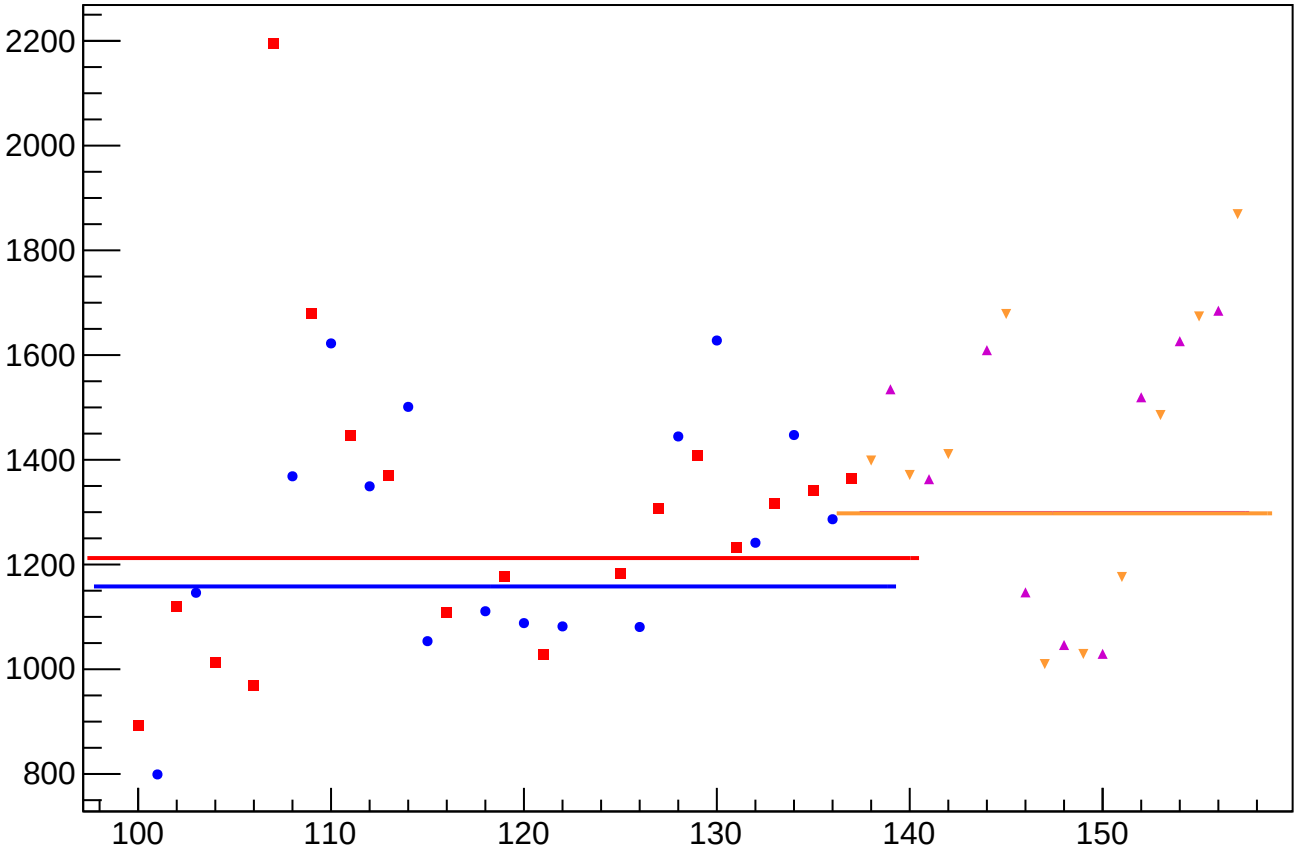
Left In: -133.119+/-473.972 χ^2/NDF:4.0/8

+ sign 12.362+/-323.380 χ^2/NDF: 27.9/25

All: -10.311+/-230.390 χ^2/NDF: 47.3/52

- sign -33.682+/-328.317 χ^2/NDF: 19.4/26

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.134+/-0.312 χ^2/NDF: 569144.8/15

Left Out: 1297.764+/-0.336 χ^2/NDF:625419.8/9

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

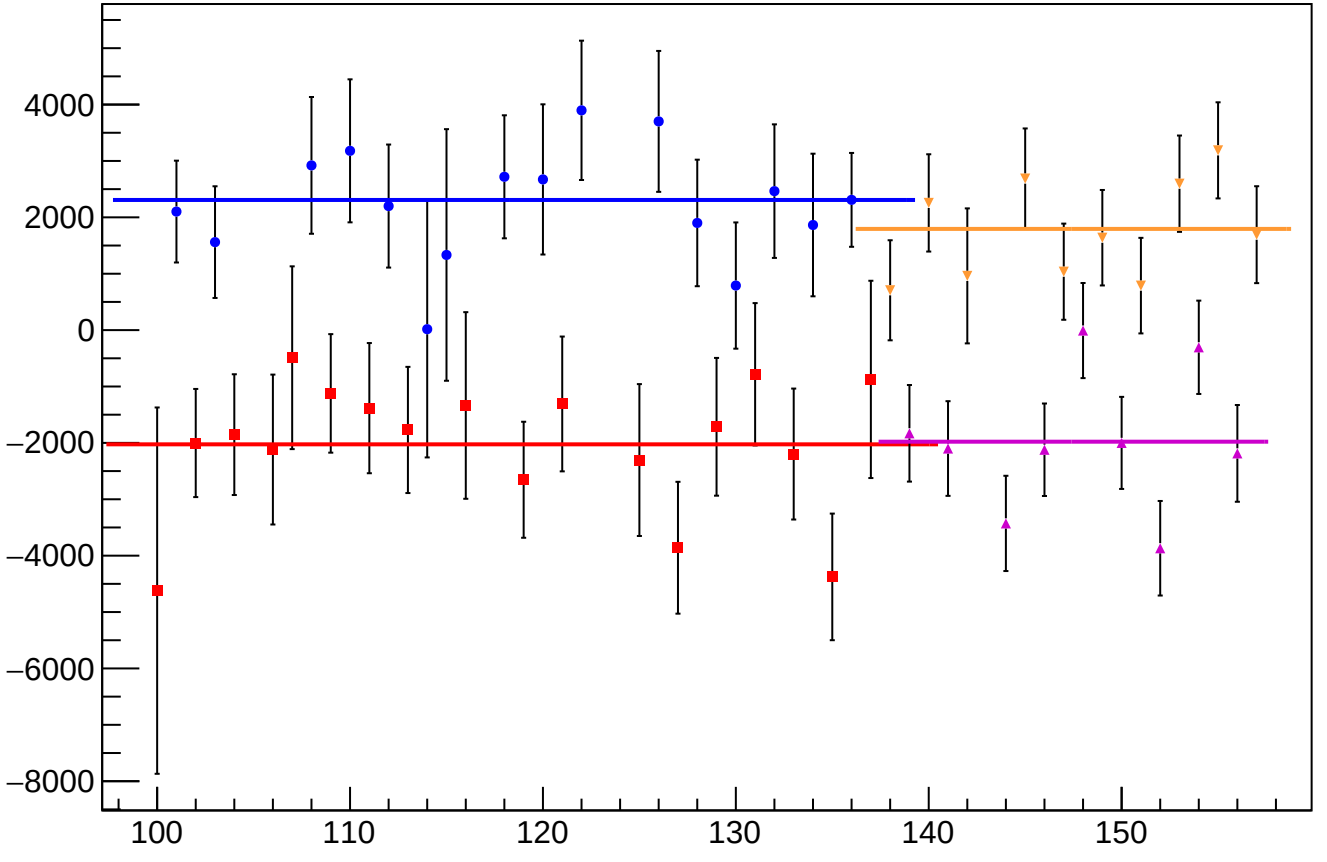
Left In: 1298.448+/-0.335 χ^2/NDF:554091.1/8

+ sign 1222.757+/-0.229 χ^2/NDF: 1287268.1/25

All: 1237.974+/-0.163 χ^2/NDF: 2282622.7/52

- sign 1253.660+/-0.232 χ^2/NDF: 986360.9/26

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1794.891+/-279.059 χ^2/NDF:9.1/9

Right Out: -2025.627+/-289.797 χ^2/NDF: 11.9/17

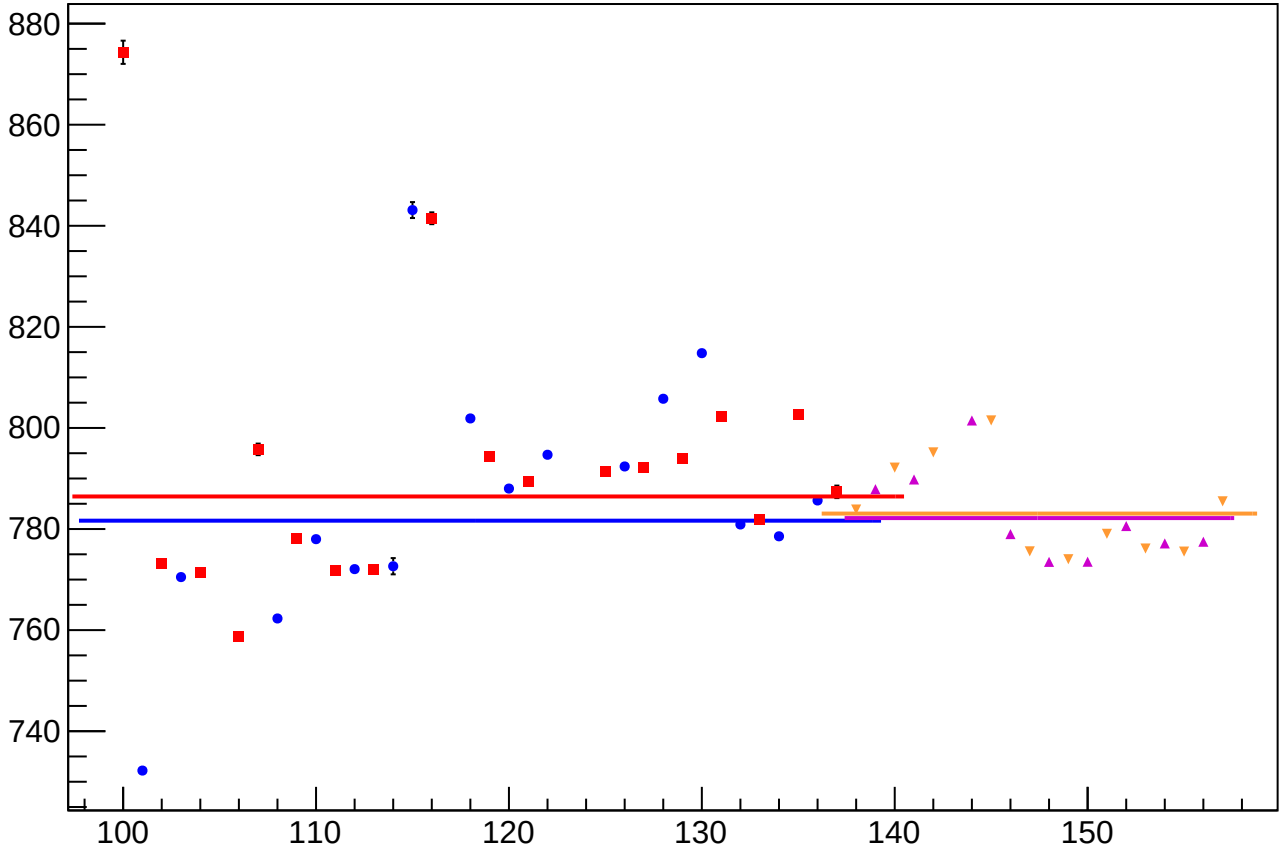
Left In: -1978.781+/-279.326 χ^2/NDF:17.7/8

+ sign 2041.277+/-201.225 χ^2/NDF: 18.5/25

All: 18.845+/-142.248 χ^2/NDF: 250.1/52

- sign -2001.342+/-201.113 χ^2/NDF: 29.7/26

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654+/-0.205 χ^2/NDF: 12319.0/15

Left Out: 783.057+/-0.197 χ^2/NDF:2016.5/9

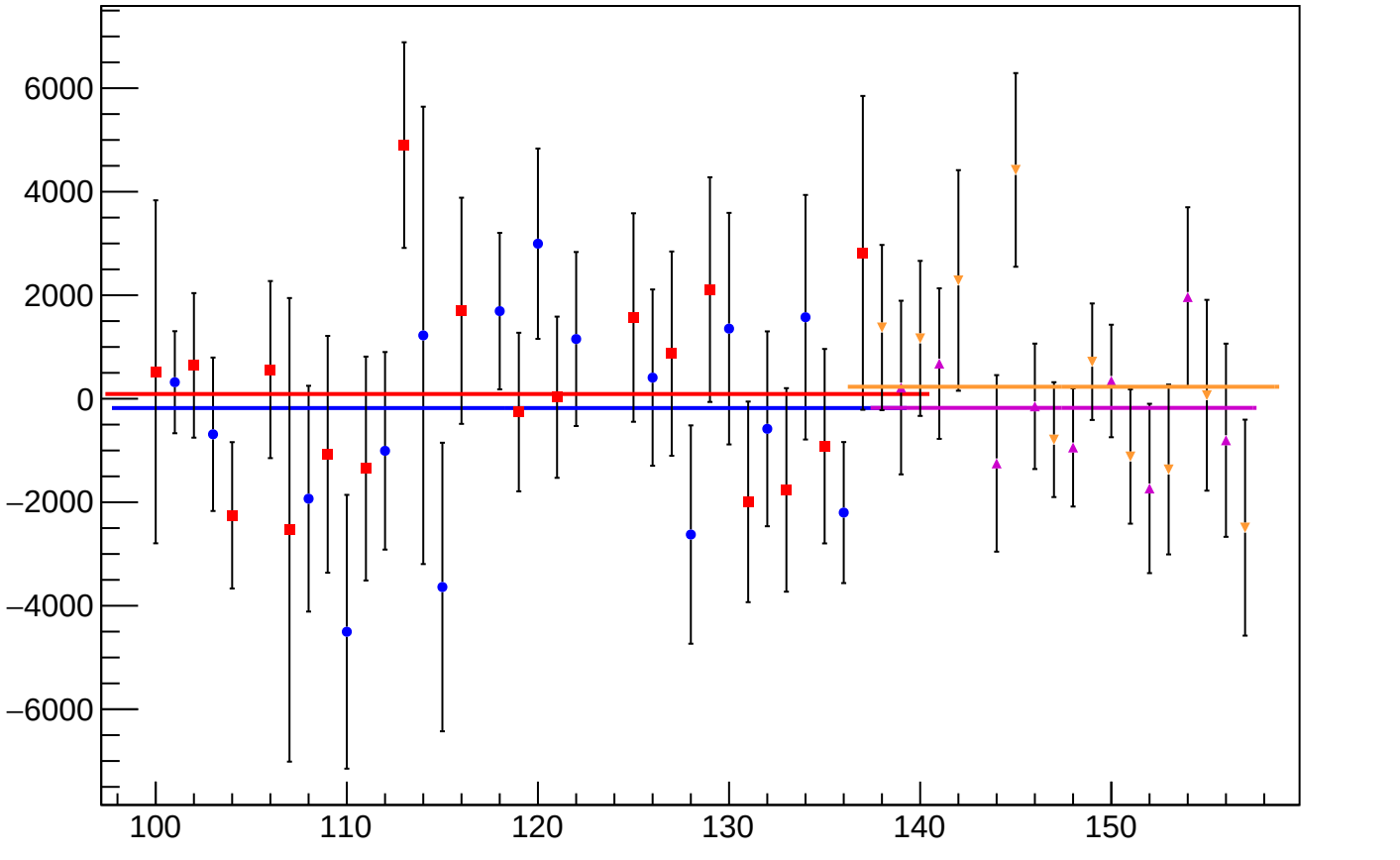
Right Out: 786.443+/-0.205 χ^2/NDF: 7201.6/17

Left In: 782.166+/-0.198 χ^2/NDF:1904.7/8

+ sign 782.384+/-0.142 χ^2/NDF: 14359.8/25

All: 783.305+/-0.101 χ^2/NDF: 23775.8/52

- sign 784.226+/-0.142 χ^2/NDF: 9332.1/26



Right In: -179.929+/-440.772 χ^2/NDF: 15.4/15

Left Out: 230.962+/-474.850 χ^2/NDF:11.6/9

Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

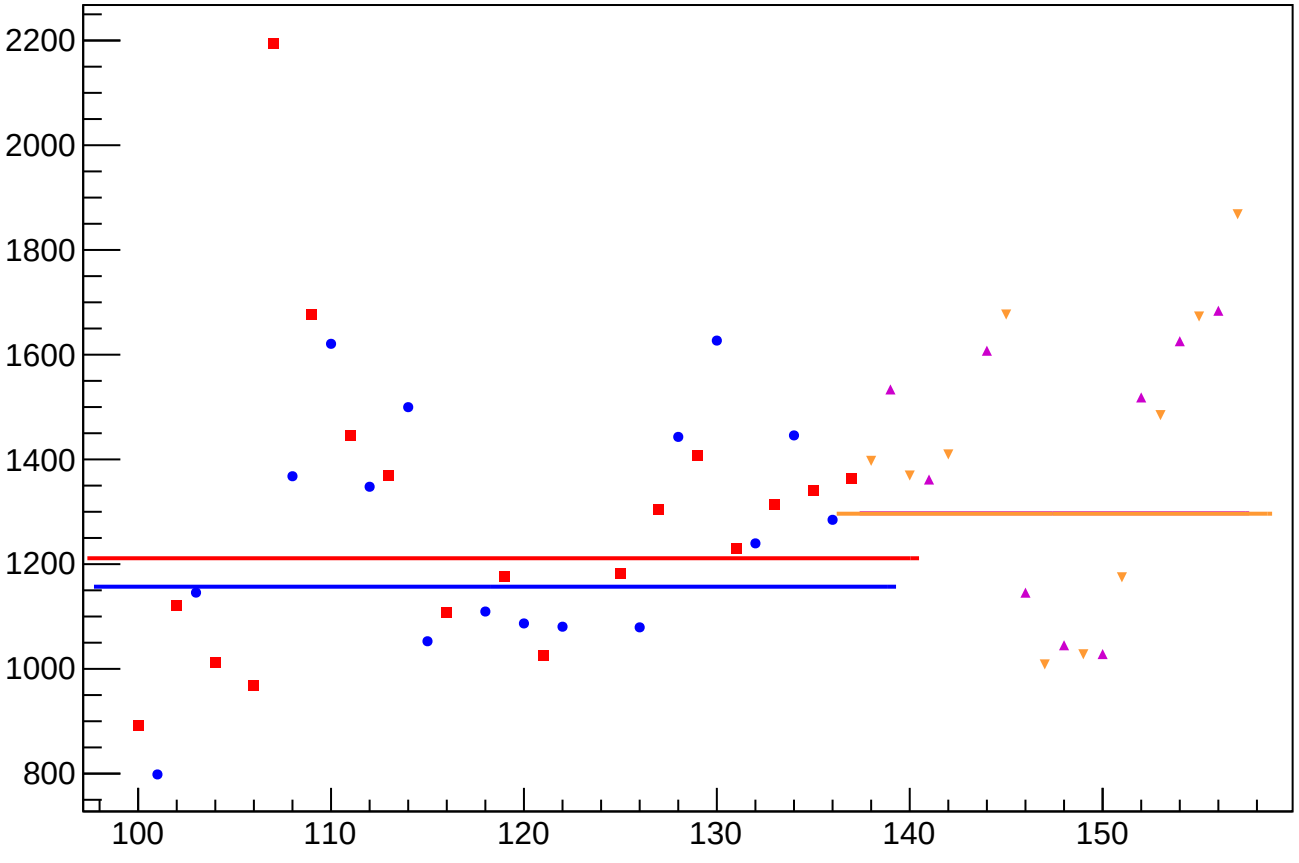
Left In: -176.962+/-473.515 χ^2/NDF:4.0/8

+ sign 10.245+/-323.049 χ^2/NDF: 27.4/25

All: -13.231+/-230.165 χ^2/NDF: 46.8/52

- sign -37.434+/-328.013 χ^2/NDF: 19.4/26

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948+/-0.312 χ^2/NDF: 569119.8/15

Left Out: 1296.332+/-0.336 χ^2/NDF:626891.8/9

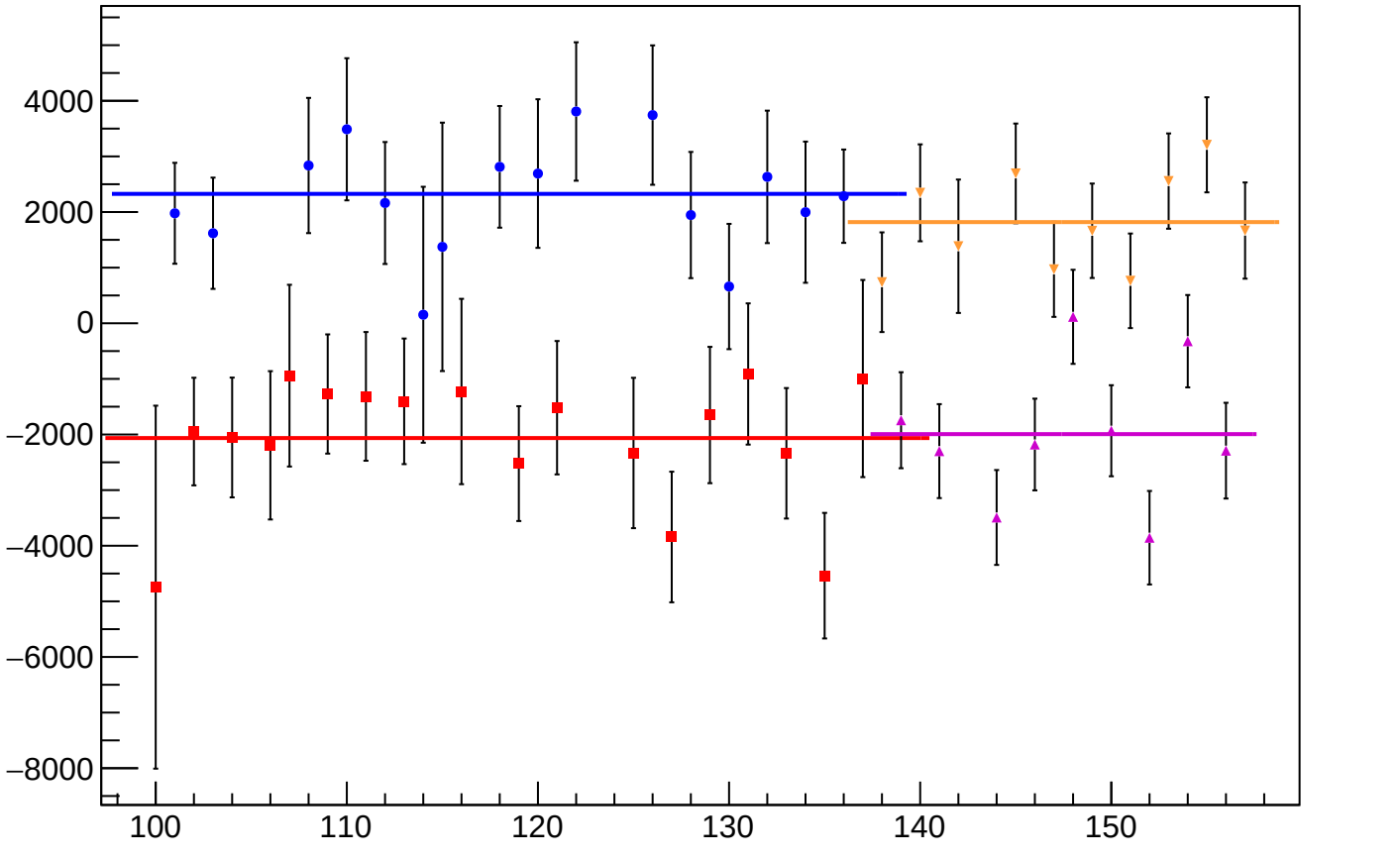
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1297.133+/-0.335 χ^2/NDF:555324.4/8

+ sign 1221.459+/-0.228 χ^2/NDF: 1288577.6/25

All: 1236.728+/-0.163 χ^2/NDF: 2284900.6/52

- sign 1252.469+/-0.232 χ^2/NDF: 987249.4/26



Right In: 2326.430+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1818.882+/-280.512 χ^2/NDF:8.9/9

Right Out: -2063.976+/-291.790 χ^2/NDF: 11.6/17

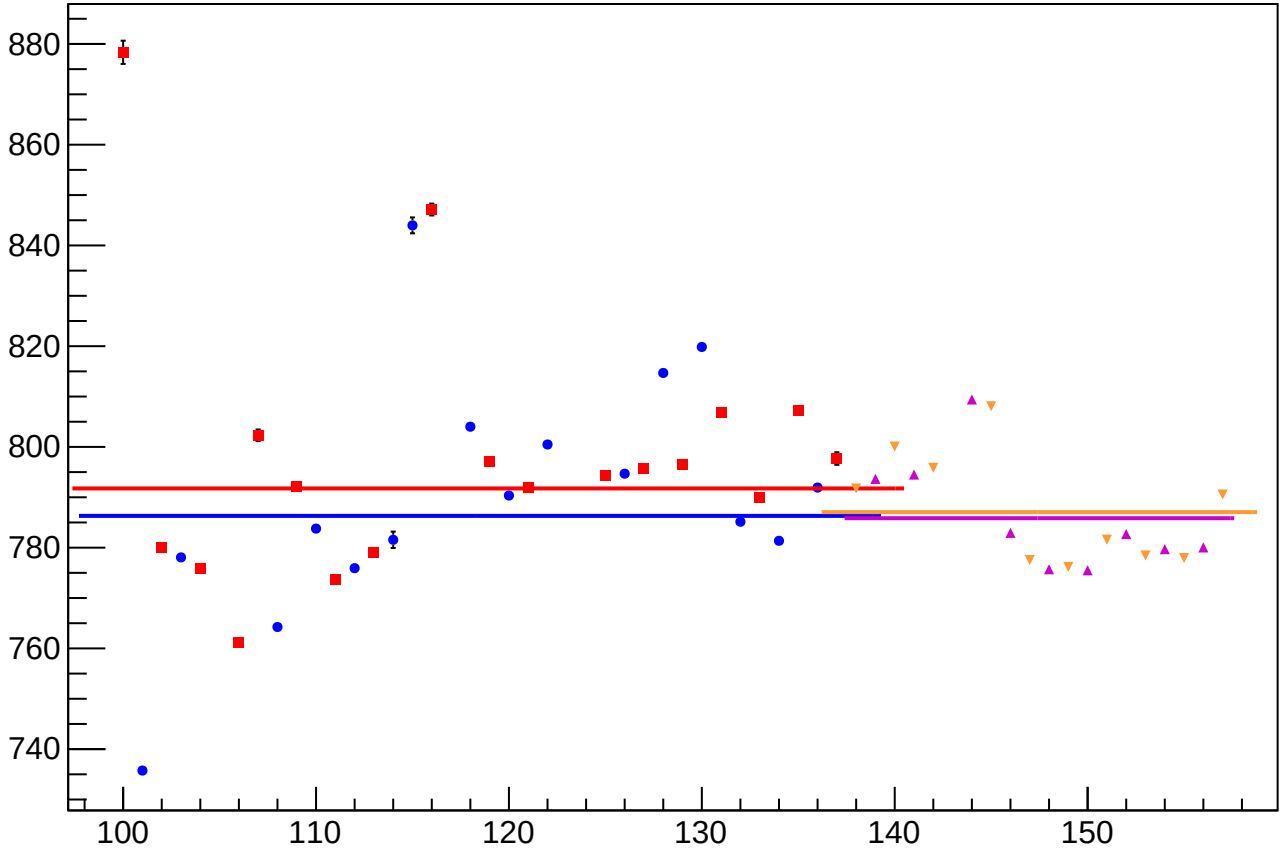
Left In: -1993.354+/-280.660 χ^2/NDF:18.7/8

+ sign 2062.323+/-202.350 χ^2/NDF: 18.6/25

All: 16.783+/-143.057 χ^2/NDF: 253.2/52

- sign -2027.293+/-202.277 χ^2/NDF: 30.3/26

dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.1/15

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

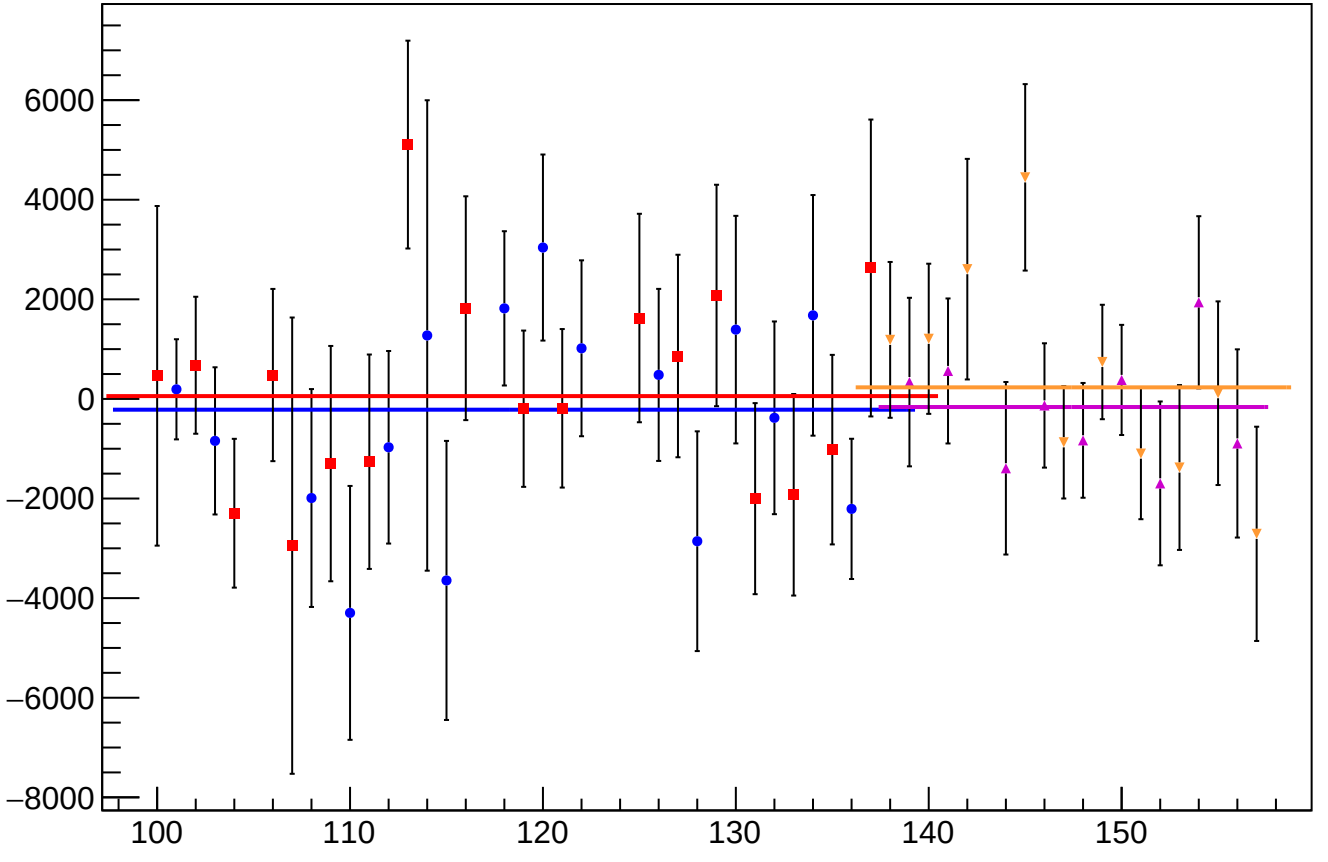
Left In: 785.845+/-0.198 χ^2/NDF:2760.0/8

+ sign 786.696+/-0.143 χ^2/NDF: 15405.6/25

All: 787.691+/-0.101 χ^2/NDF: 25703.8/52

- sign 788.686+/-0.143 χ^2/NDF: 10201.5/26

asym_us_avg_dit_correction_mean vs Slug



Right In: -216.184+/-449.537 χ^2/NDF: 15.3/15

Left Out: 232.521+/-480.443 χ^2/NDF:12.0/9

Right Out: 56.784+/-463.978 χ^2/NDF: 15.1/17

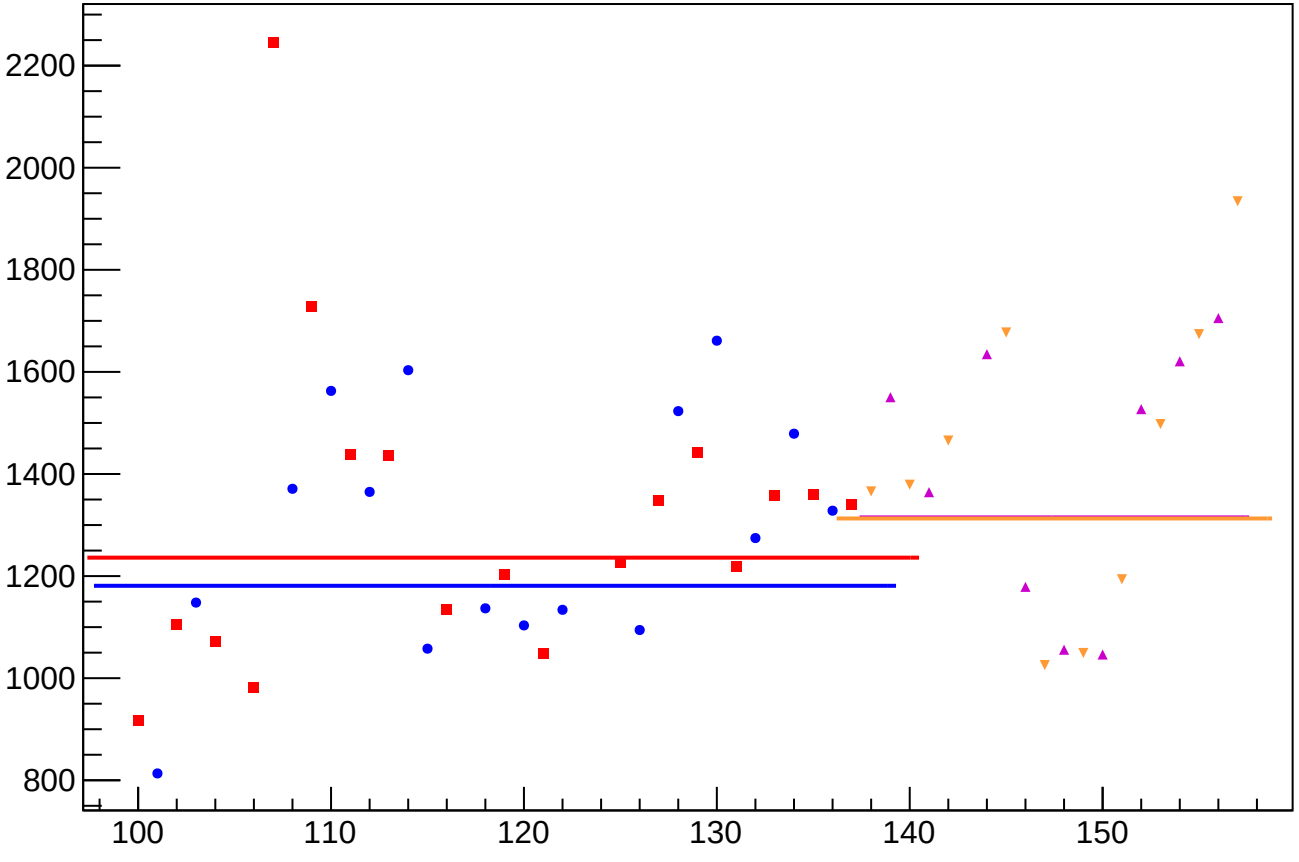
Left In: -162.537+/-479.438 χ^2/NDF:3.9/8

+ sign -6.727+/-328.253 χ^2/NDF: 27.7/25

All: -27.673+/-233.913 χ^2/NDF: 46.9/52

- sign -49.283+/-333.414 χ^2/NDF: 19.2/26

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998+/-0.318 χ^2/NDF: 571107.8/15

Left Out: 1312.884+/-0.340 χ^2/NDF:611153.3/9

Right Out: 1236.134+/-0.328 χ^2/NDF: 397242.2/17

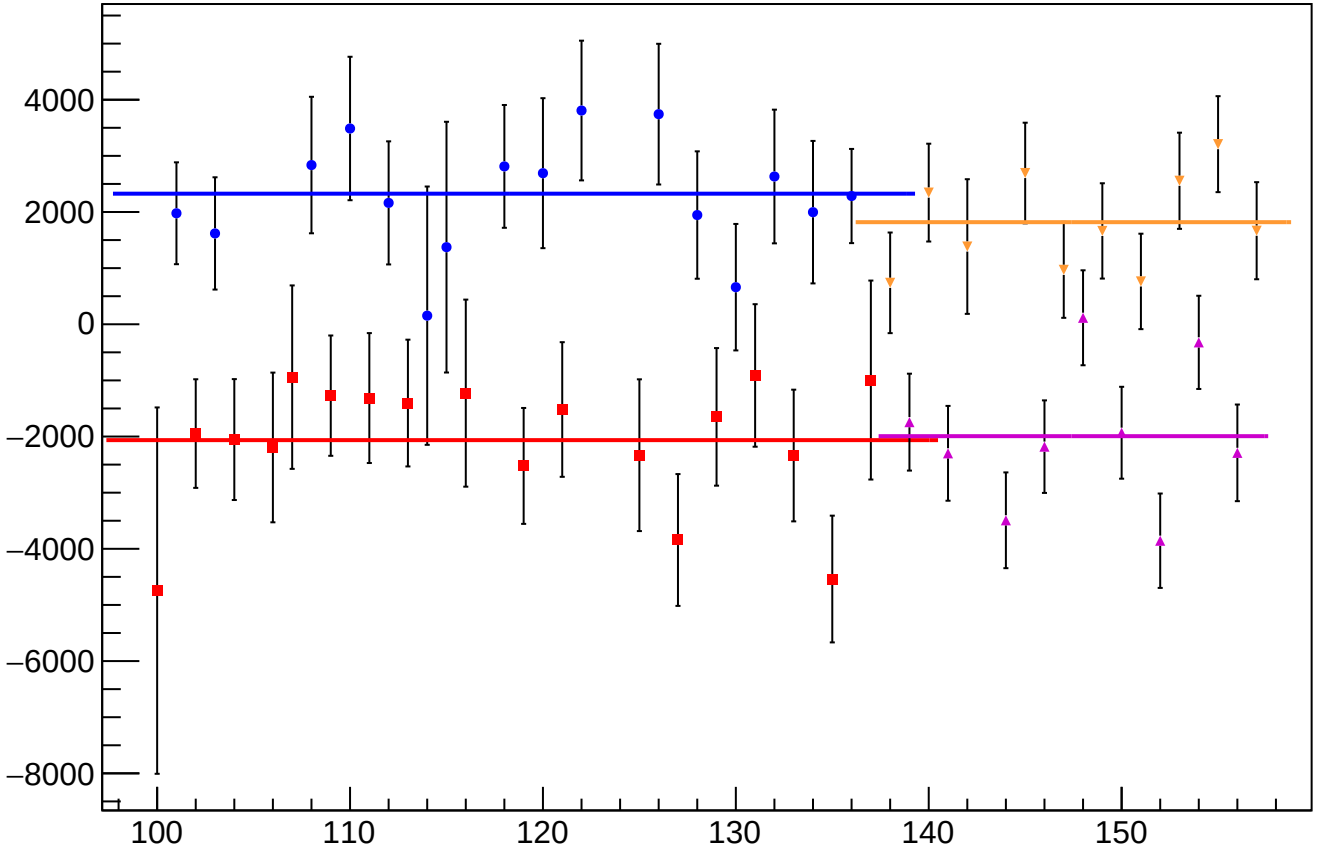
Left In: 1315.014+/-0.339 χ^2/NDF:533293.9/8

+ sign 1242.563+/-0.232 χ^2/NDF: 1262619.4/25

All: 1258.175+/-0.165 χ^2/NDF: 2230302.6/52

- sign 1274.282+/-0.236 χ^2/NDF: 958491.5/26

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.429+/-292.176 χ^2/NDF: 8.1/15

Left Out: 1818.879+/-280.512 χ^2/NDF:8.9/9

Right Out: -2063.975+/-291.790 χ^2/NDF: 11.6/17

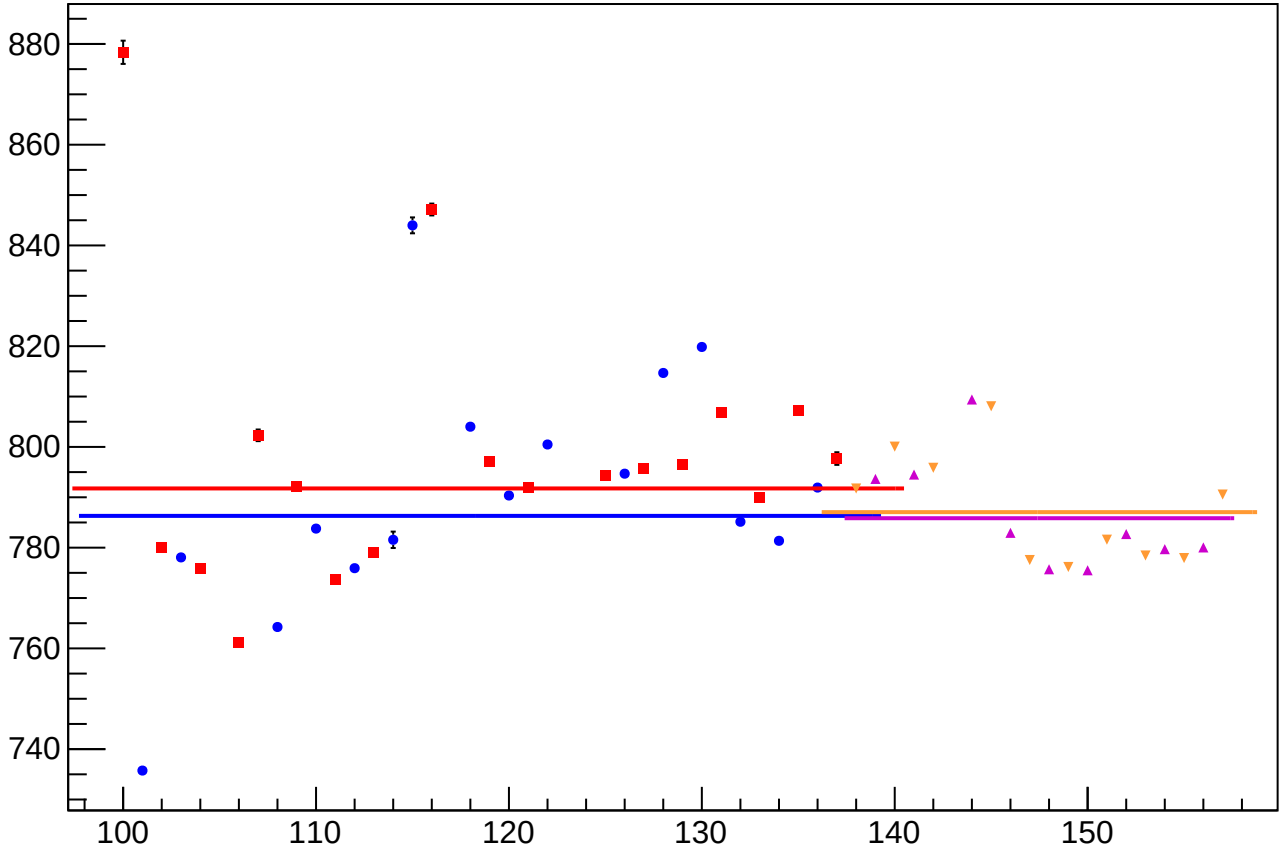
Left In: -1993.355+/-280.660 χ^2/NDF:18.7/8

+ sign 2062.322+/-202.350 χ^2/NDF: 18.6/25

All: 16.782+/-143.057 χ^2/NDF: 253.2/52

- sign -2027.292+/-202.277 χ^2/NDF: 30.3/26

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309+/-0.207 χ^2/NDF: 12571.0/15

Left Out: 787.053+/-0.198 χ^2/NDF:2827.7/9

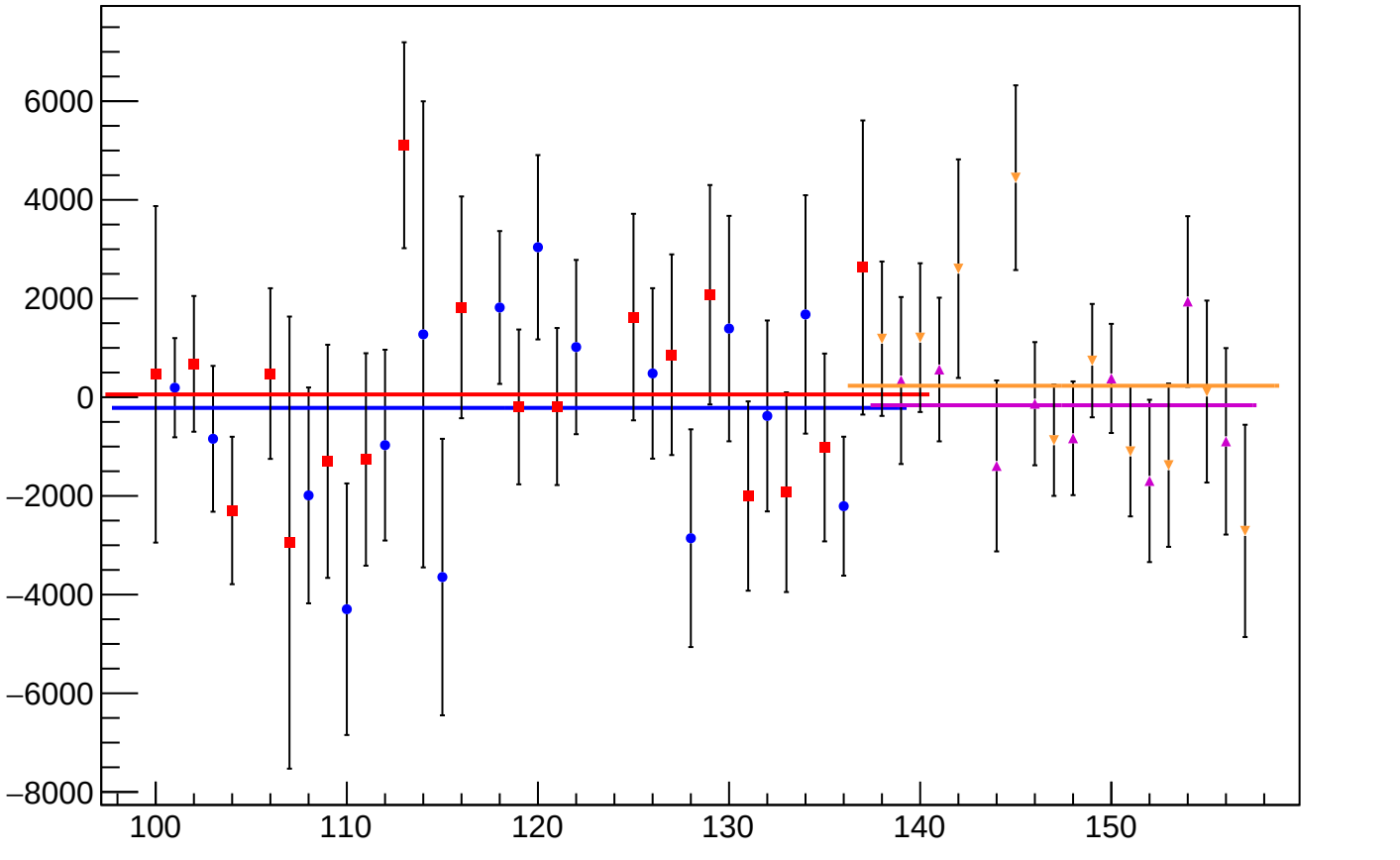
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 785.845+/-0.198 χ^2/NDF:2760.0/8

+ sign 786.696+/-0.143 χ^2/NDF: 15405.5/25

All: 787.691+/-0.101 χ^2/NDF: 25703.7/52

- sign 788.686+/-0.143 χ^2/NDF: 10201.5/26



Right In: -216.183+/-449.536 χ^2/NDF: 15.3/15

Left Out: 232.517+/-480.444 χ^2/NDF:12.0/9

Right Out: 56.784+/-463.977 χ^2/NDF: 15.1/17

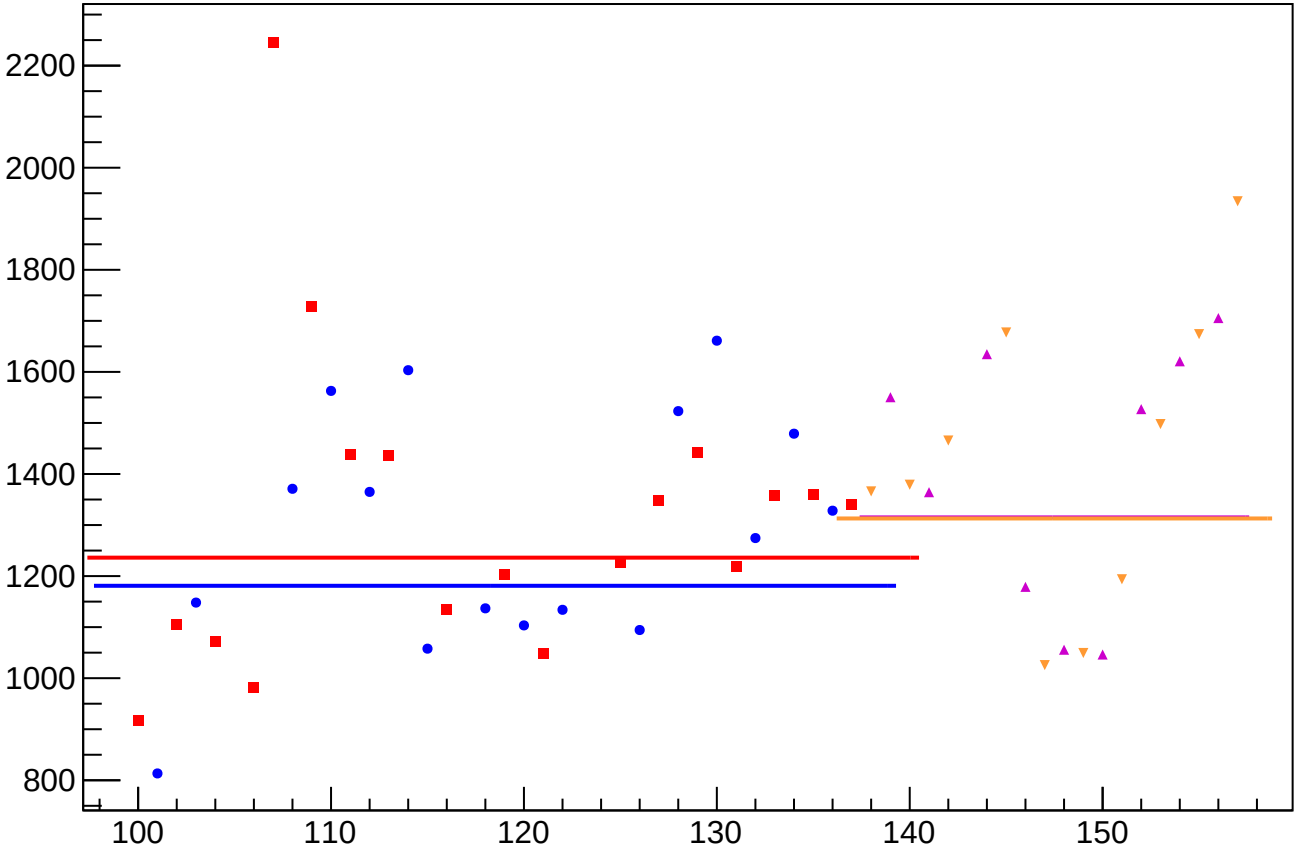
Left In: -162.538+/-479.439 χ^2/NDF:3.9/8

\+ sign -6.729+/-328.253 χ^2/NDF: 27.7/25

All: -27.674+/-233.913 χ^2/NDF: 46.9/52

\- sign -49.283+/-333.414 χ^2/NDF: 19.2/26

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995+/-0.318 χ^2/NDF: 571105.7/15

Left Out: 1312.886+/-0.340 χ^2/NDF:611155.5/9

Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

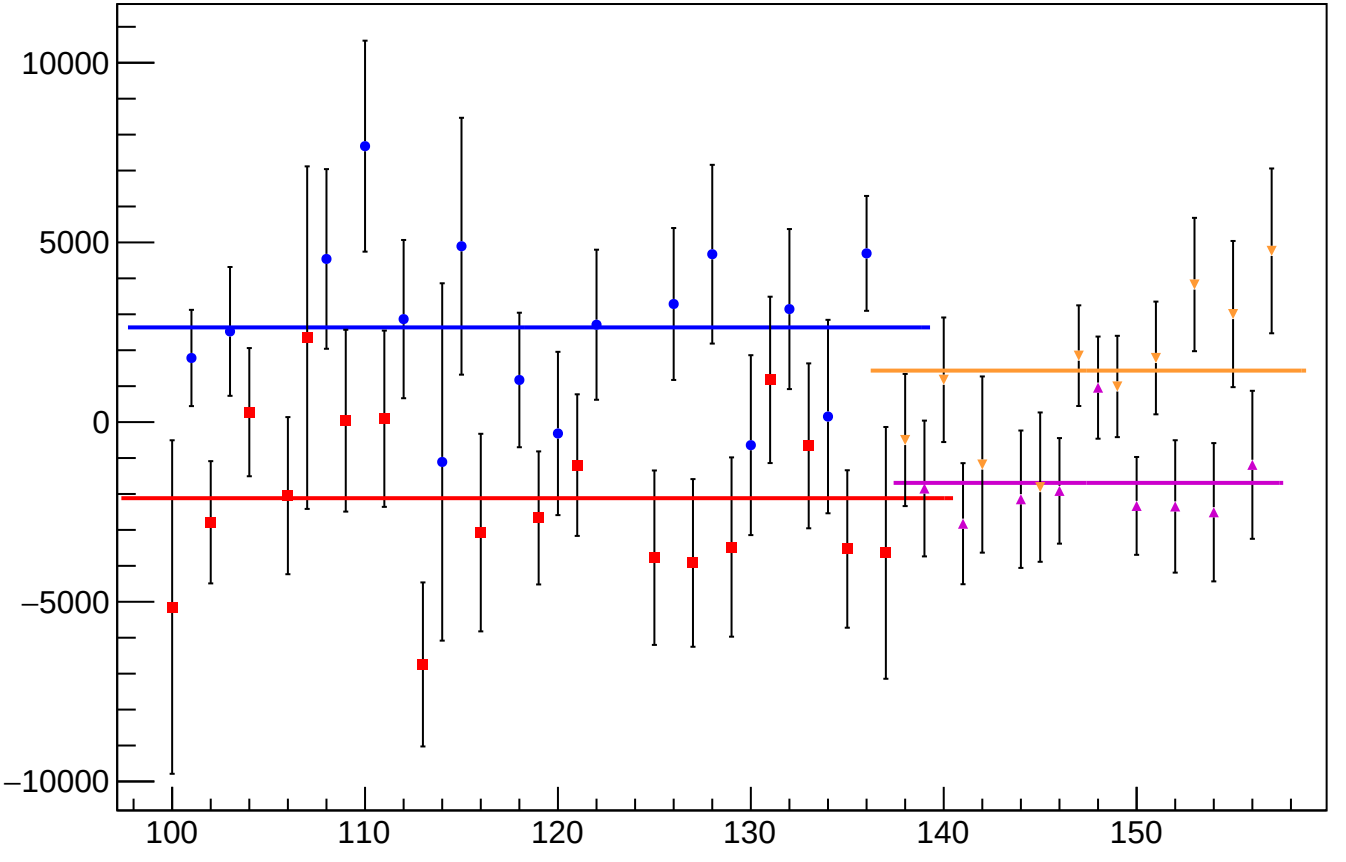
Left In: 1315.016+/-0.339 χ^2/NDF:533295.0/8

+ sign 1242.562+/-0.232 χ^2/NDF: 1262626.0/25

All: 1258.174+/-0.165 χ^2/NDF: 2230312.8/52

- sign 1274.281+/-0.236 χ^2/NDF: 958495.1/26

asym_us_avg_mean vs Slug



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1433.148+/-561.801 χ^2/NDF:9.3/9

Right Out: -2117.162+/-547.483 χ^2/NDF: 13.7/17

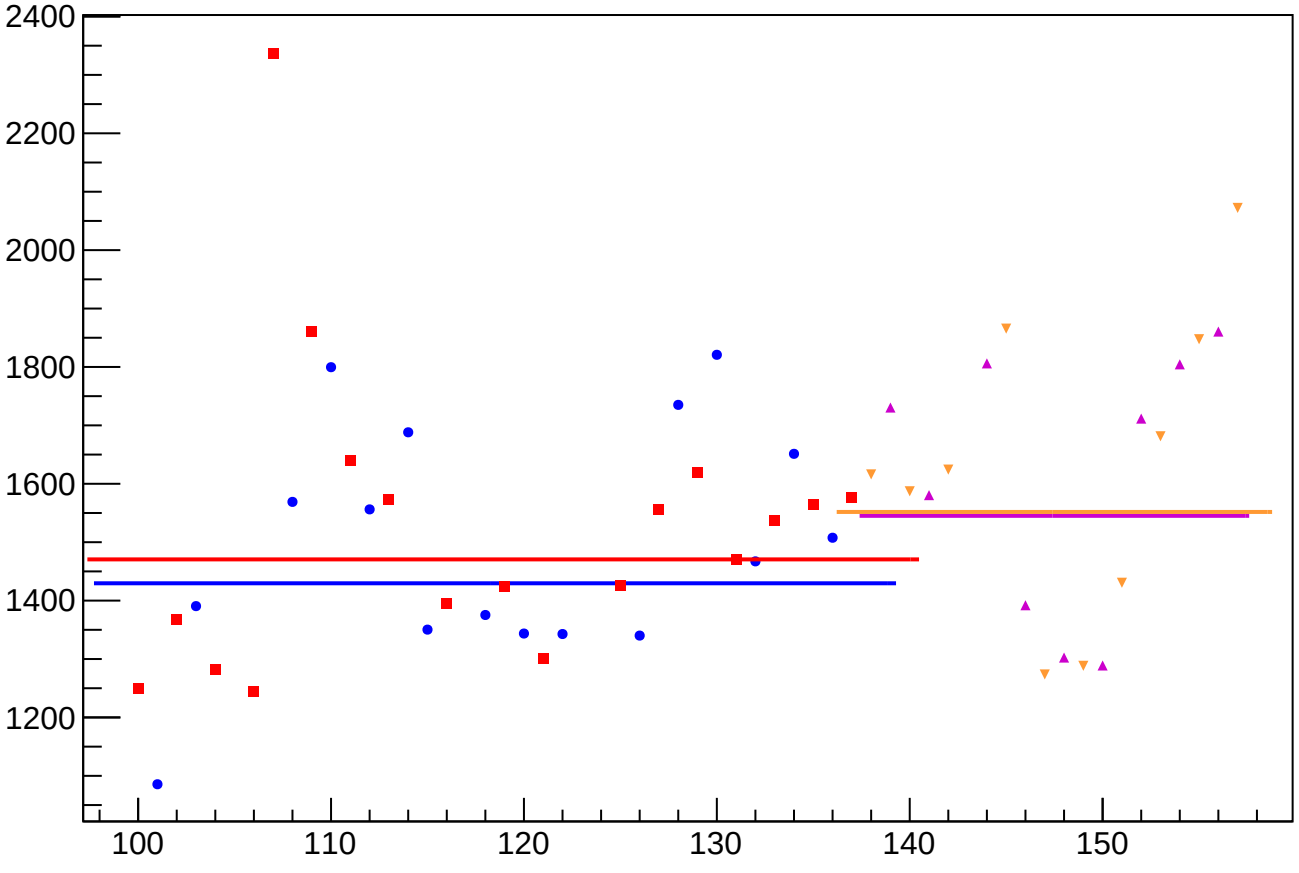
Left In: -1691.354+/-558.593 χ^2/NDF:4.6/8

+ sign 2060.241+/-388.578 χ^2/NDF: 24.0/25

All: 88.170+/-275.618 χ^2/NDF: 94.4/52

- sign -1908.534+/-390.998 χ^2/NDF: 18.6/26

asym_us_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1551.792+/-0.397 χ^2/NDF:366360.2/9

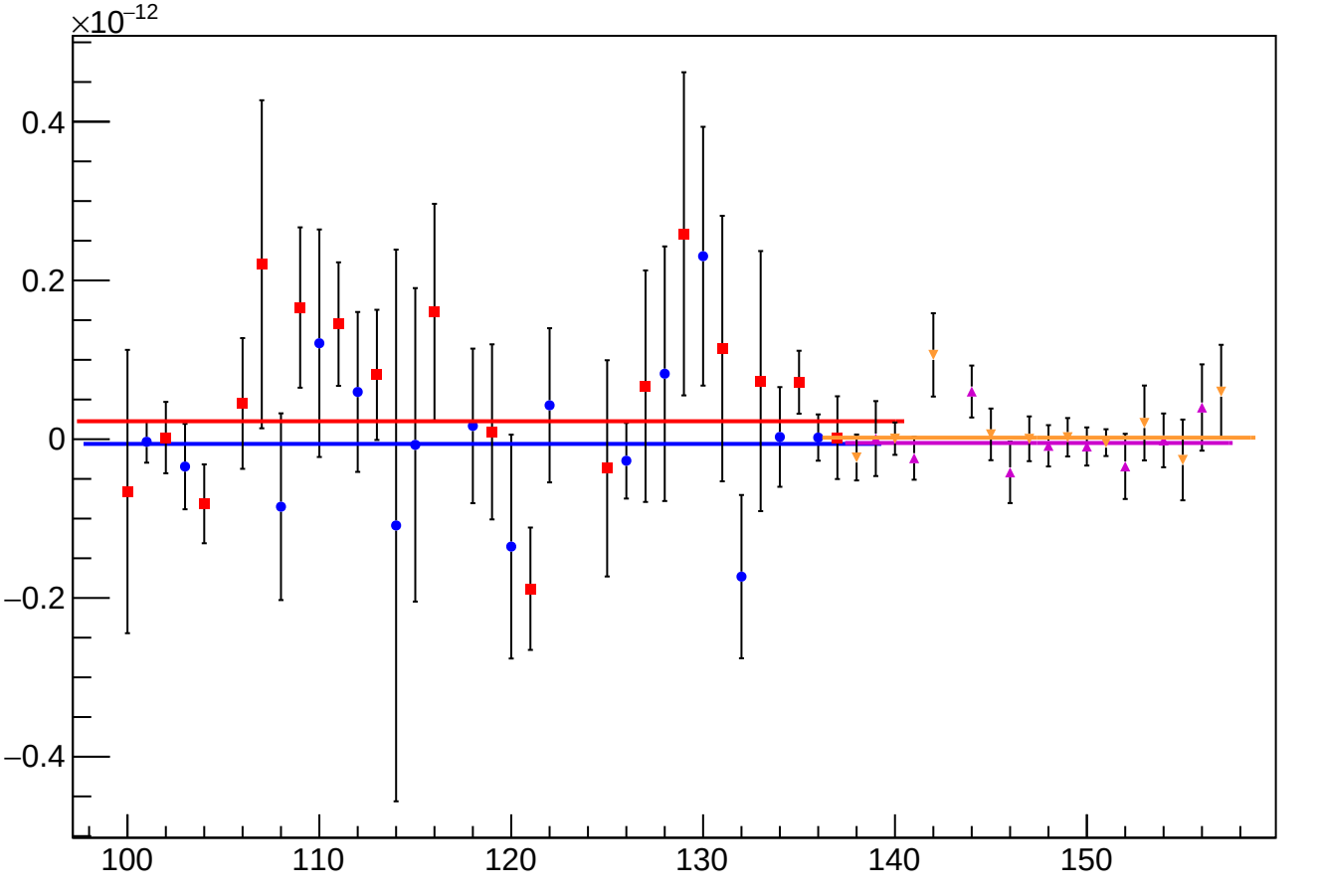
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1545.165+/-0.395 χ^2/NDF:307844.8/8

+ sign 1488.085+/-0.275 χ^2/NDF: 709055.0/25

All: 1497.541+/-0.195 χ^2/NDF: 1255545.1/52

- sign 1507.116+/-0.276 χ^2/NDF: 544106.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

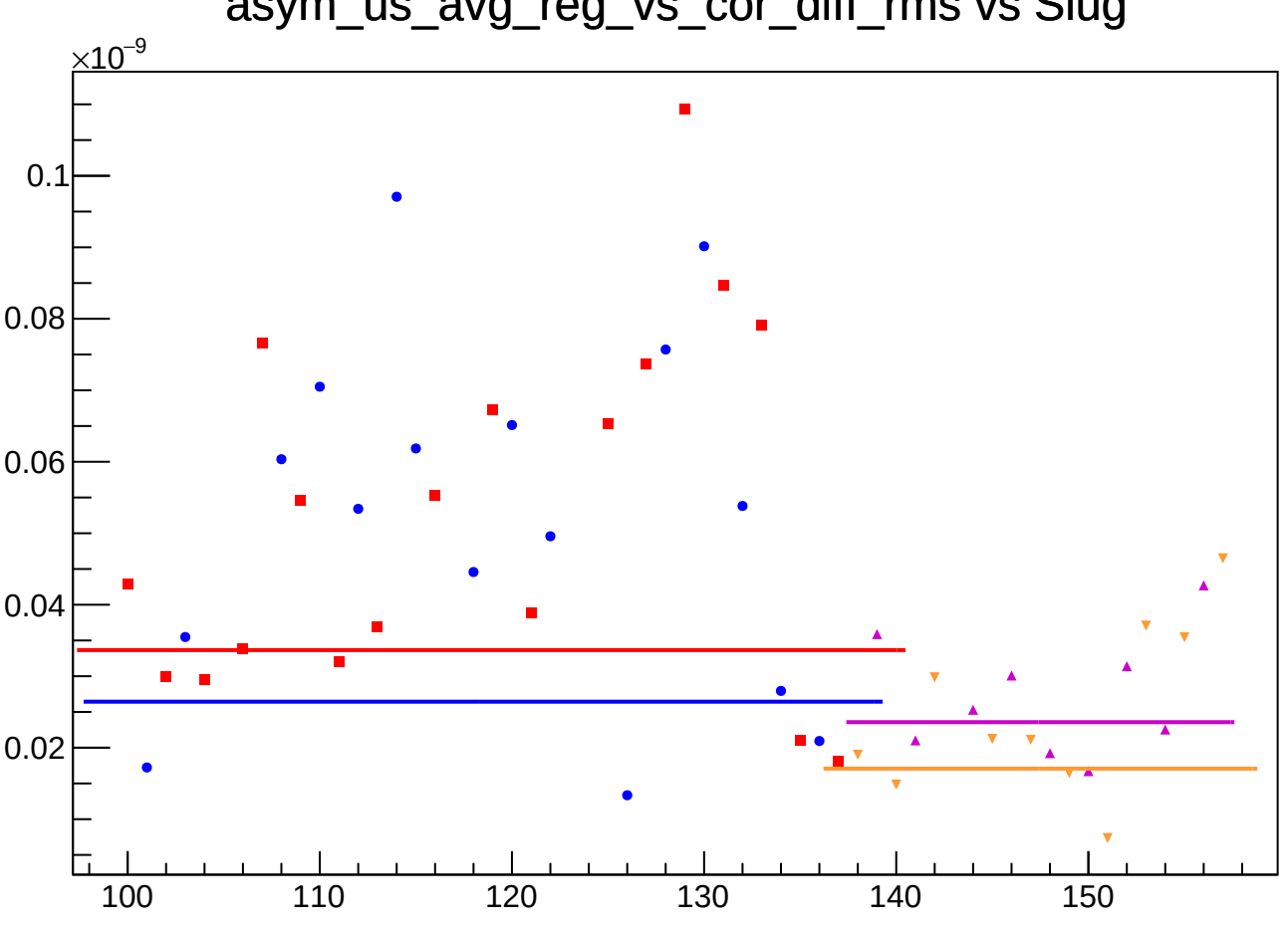
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 15.0/25

All: 0.000+/-0.000 χ^2/NDF: 46.4/52

- sign 0.000+/-0.000 χ^2/NDF: 31.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2138464.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2007040.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1711887.8/17

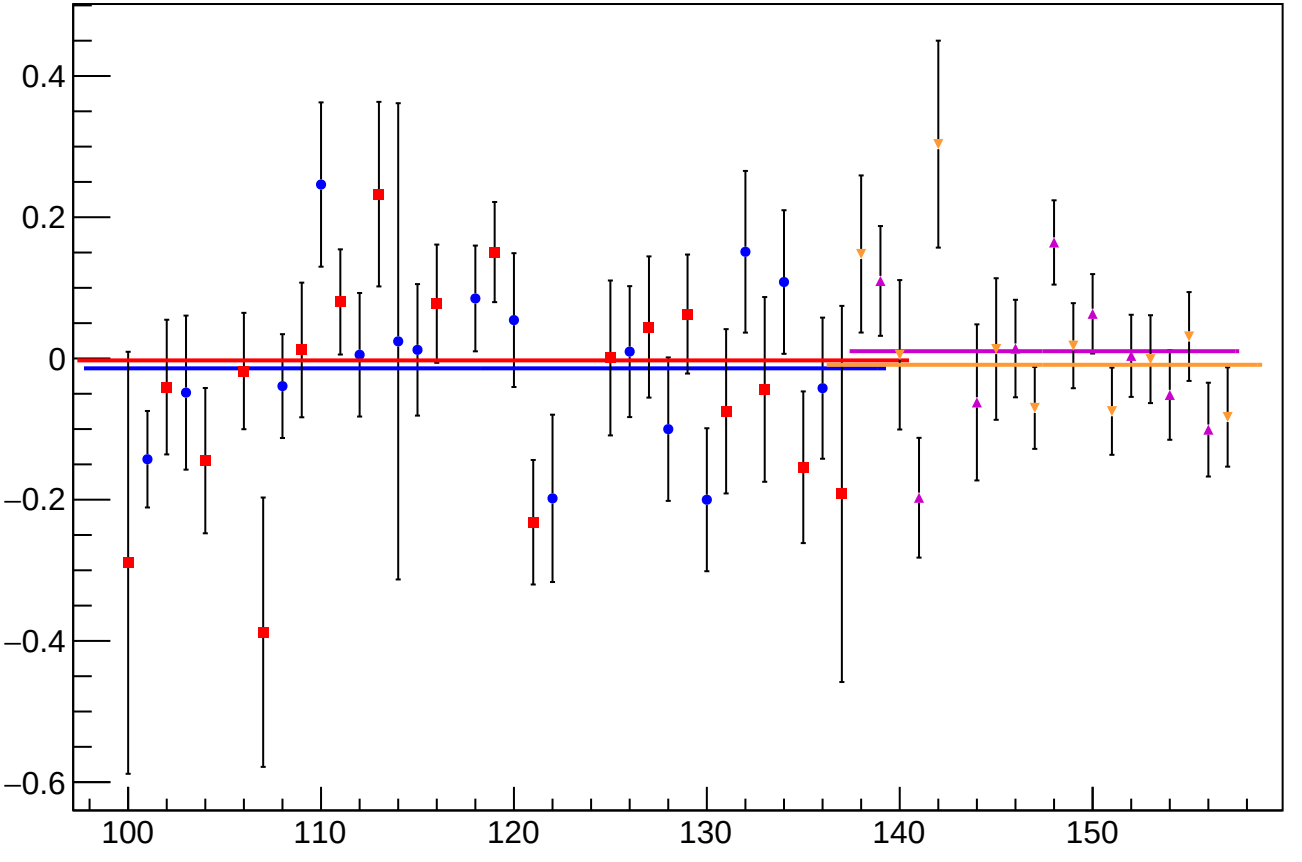
Left In: 0.000+/-0.000 χ^2/NDF:757094.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 4710778.9/25

All: 0.000+/-0.000 χ^2/NDF: 8252905.2/52

- sign 0.000+/-0.000 χ^2/NDF: 2921125.3/26

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

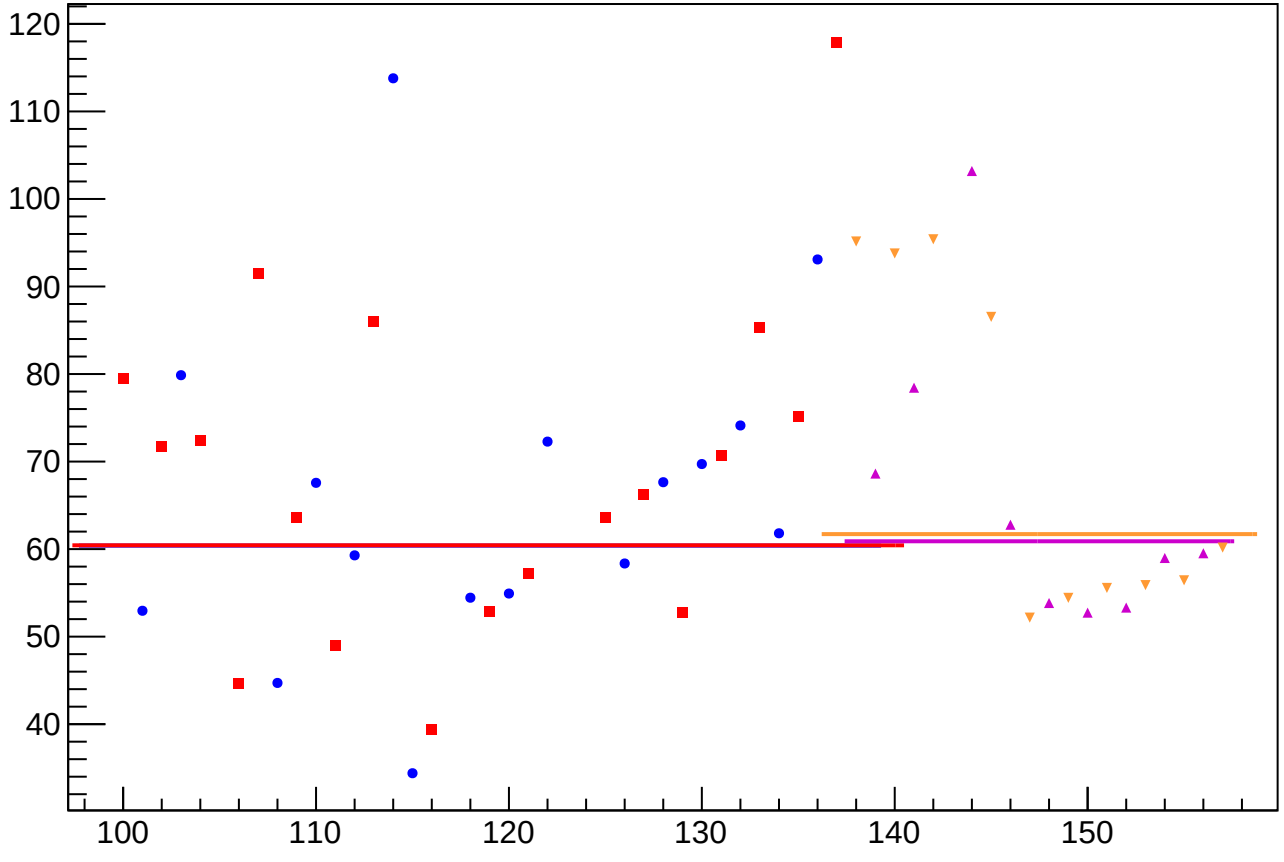
Left In: 0.010+/-0.023 χ^2/NDF:19.4/8

+ sign -0.011+/-0.017 χ^2/NDF: 32.0/25

All: -0.004+/-0.012 χ^2/NDF: 79.7/52

- sign 0.004+/-0.016 χ^2/NDF: 47.3/26

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

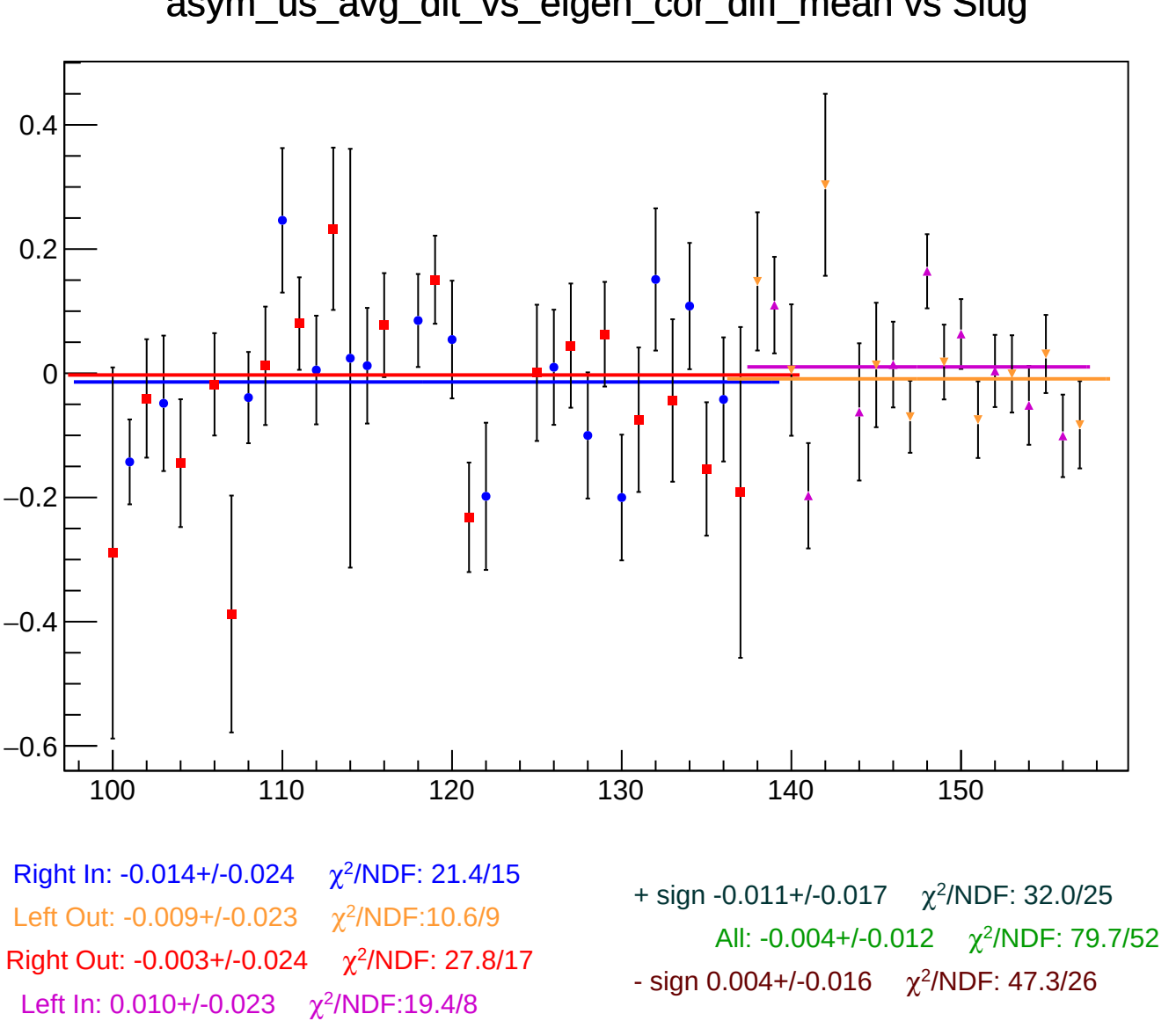
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

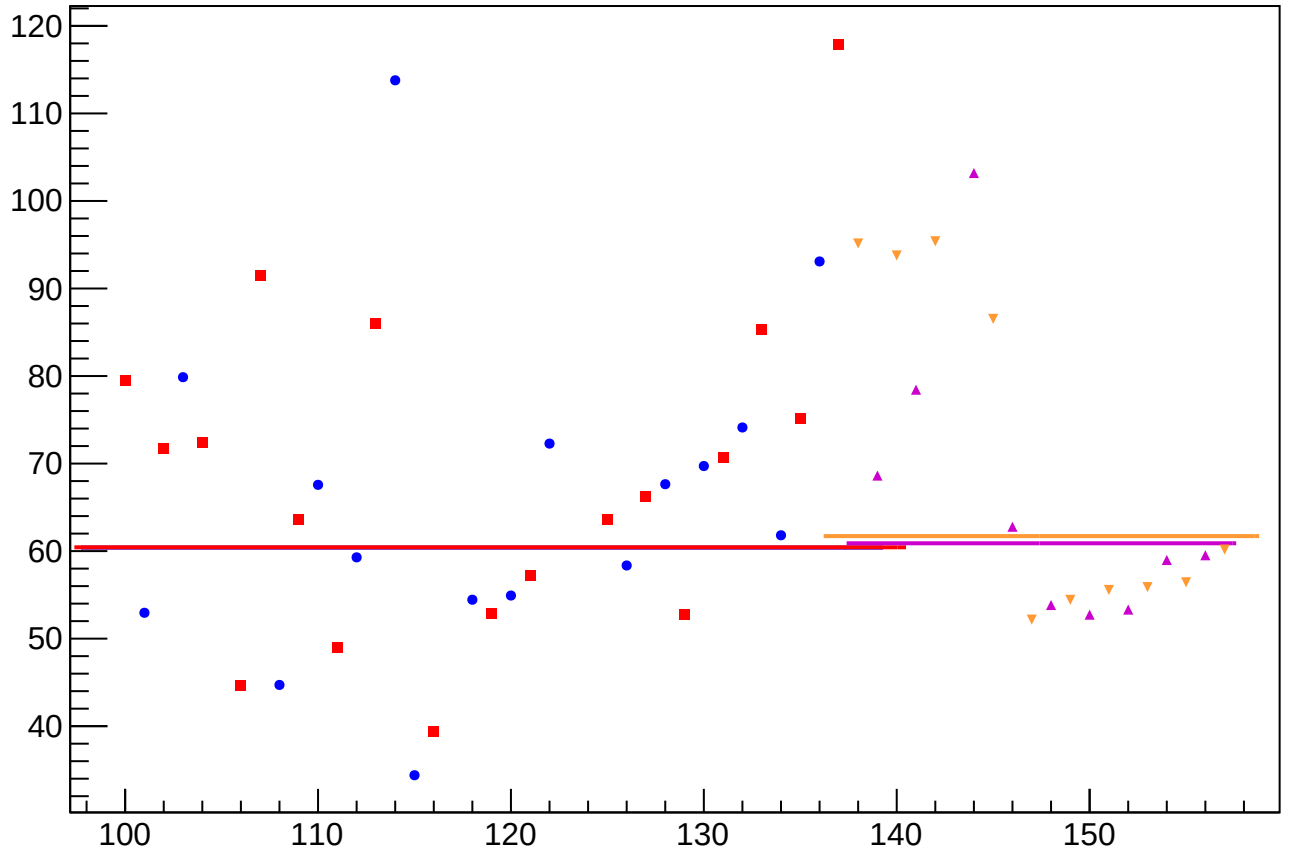
Left In: 60.894+/-0.016 χ^2/NDF:506358.0/8

\+ sign 61.076+/-0.012 χ^2/NDF: 1434463.2/25

All: 60.873+/-0.008 χ^2/NDF: 2652894.1/52

\- sign 60.676+/-0.012 χ^2/NDF: 1217844.0/26


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.009+/-0.023 χ²/NDF:10.6/9
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.010+/-0.023 χ²/NDF:19.4/8
+ sign -0.011+/-0.017 χ²/NDF: 32.0/25
All: -0.004+/-0.012 χ²/NDF: 79.7/52
- sign 0.004+/-0.016 χ²/NDF: 47.3/26



Right In: 60.399+/-0.017 χ^2/NDF: 703157.1/15

Left Out: 61.713+/-0.016 χ^2/NDF:728186.3/9

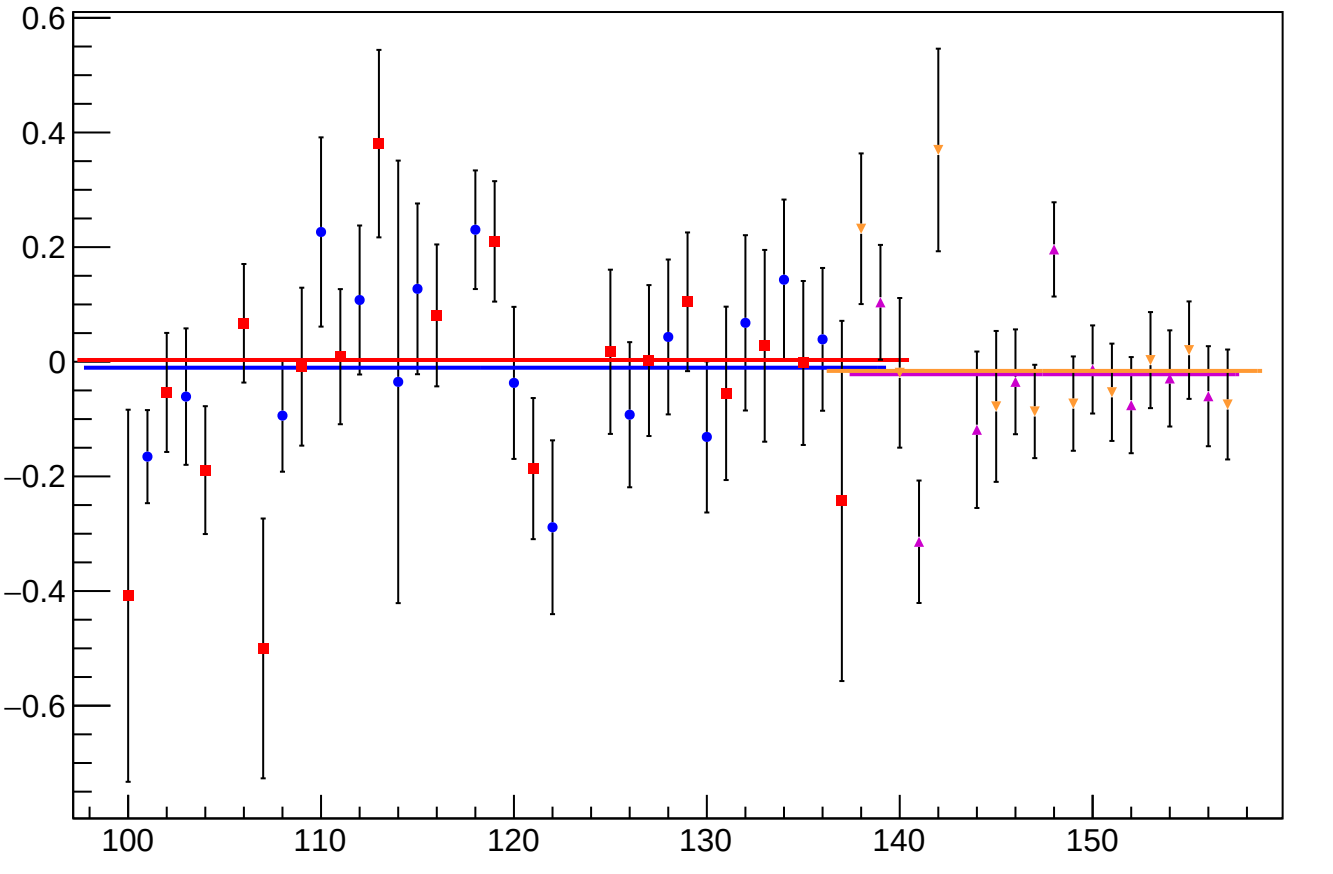
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 60.894+/-0.016 χ^2/NDF:506358.0/8

+ sign 61.076+/-0.012 χ^2/NDF: 1434463.2/25

All: 60.873+/-0.008 χ^2/NDF: 2652894.1/52

- sign 60.676+/-0.012 χ^2/NDF: 1217844.0/26



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

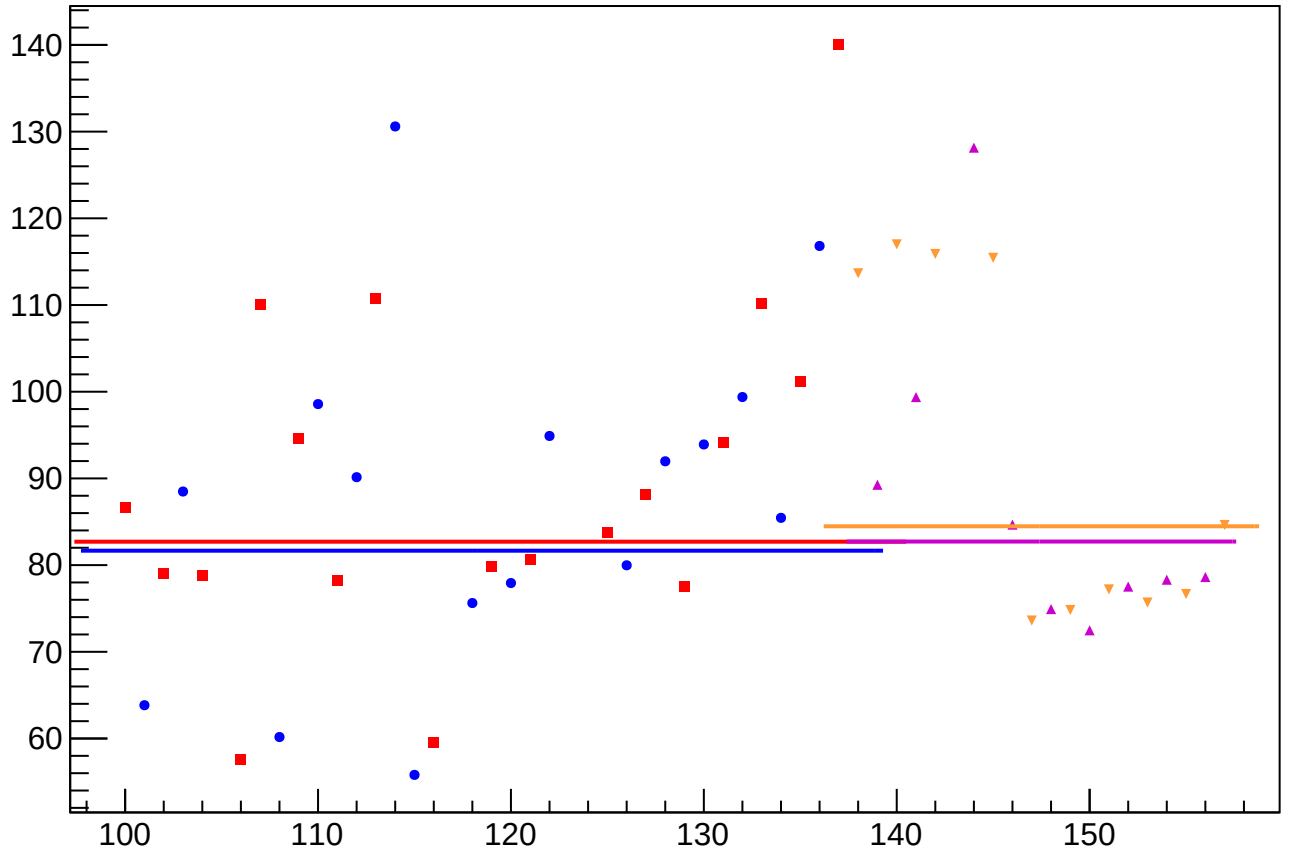
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.022+/-0.030 χ^2/NDF:17.2/8

+ sign -0.013+/-0.022 χ^2/NDF: 30.8/25

All: -0.012+/-0.016 χ^2/NDF: 72.0/52

- sign -0.010+/-0.022 χ^2/NDF: 41.2/26



Right In: 81.664+/-0.022 χ^2/NDF: 561848.8/15

Left Out: 84.478+/-0.022 χ^2/NDF:513333.4/9

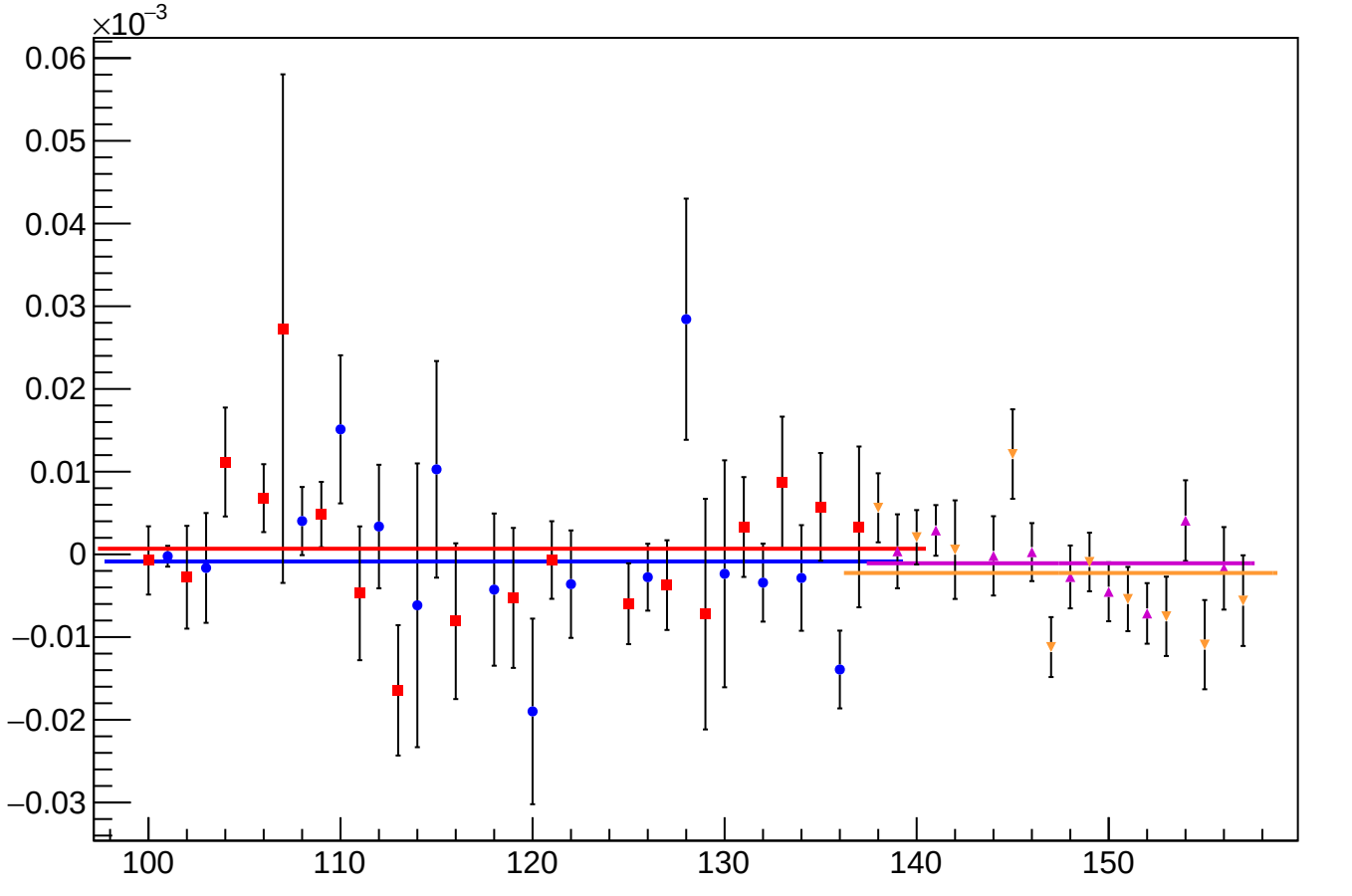
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 82.718+/-0.021 χ^2/NDF:350826.7/8

+ sign 83.093+/-0.016 χ^2/NDF: 1083233.0/25

All: 82.899+/-0.011 χ^2/NDF: 1907427.1/52

- sign 82.710+/-0.015 χ^2/NDF: 823892.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

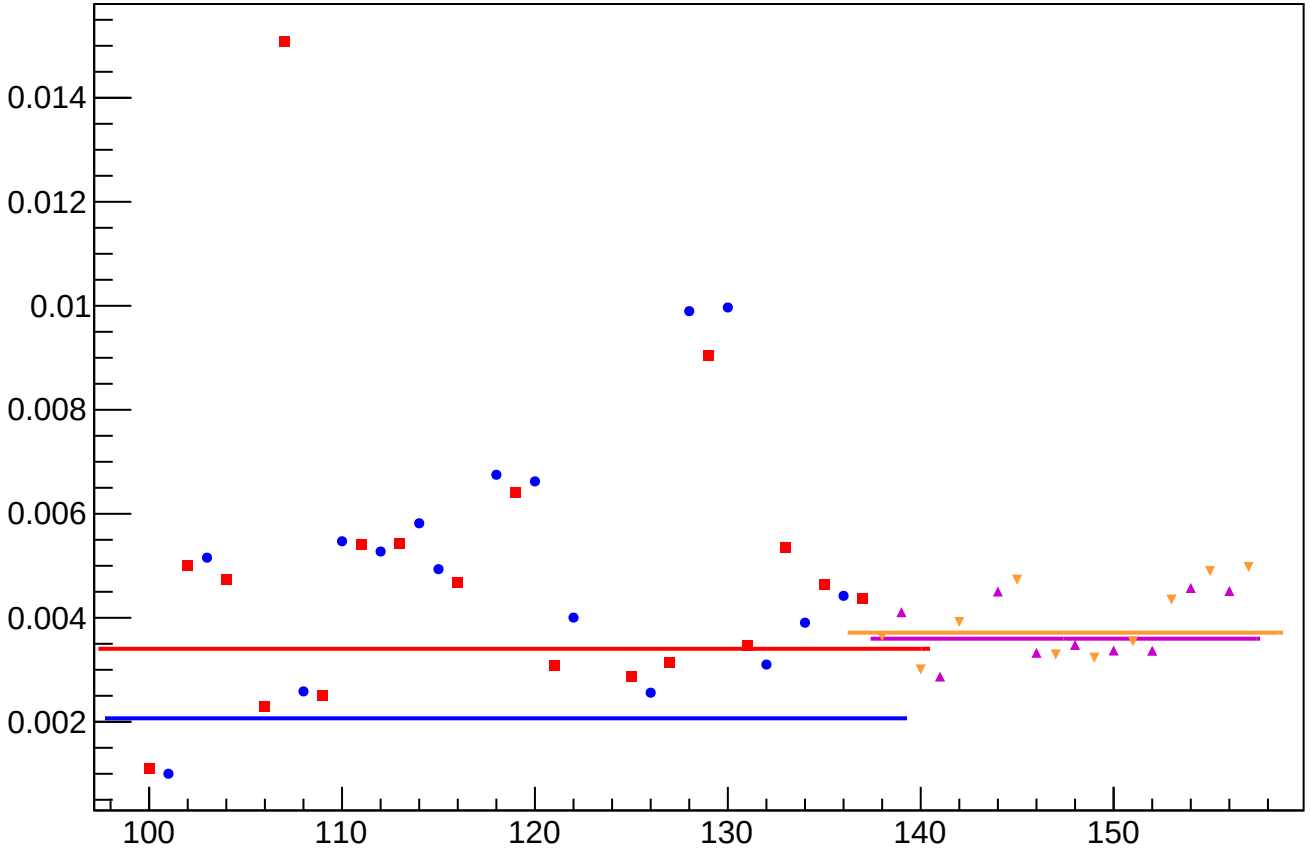
Left In: -0.000+/-0.000 χ^2/NDF:7.0/8

\+ sign -0.000+/-0.000 χ^2/NDF: 45.6/25

All: -0.000+/-0.000 χ^2/NDF: 72.5/52

\- sign -0.000+/-0.000 χ^2/NDF: 26.1/26

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5813338.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:470855.7/9

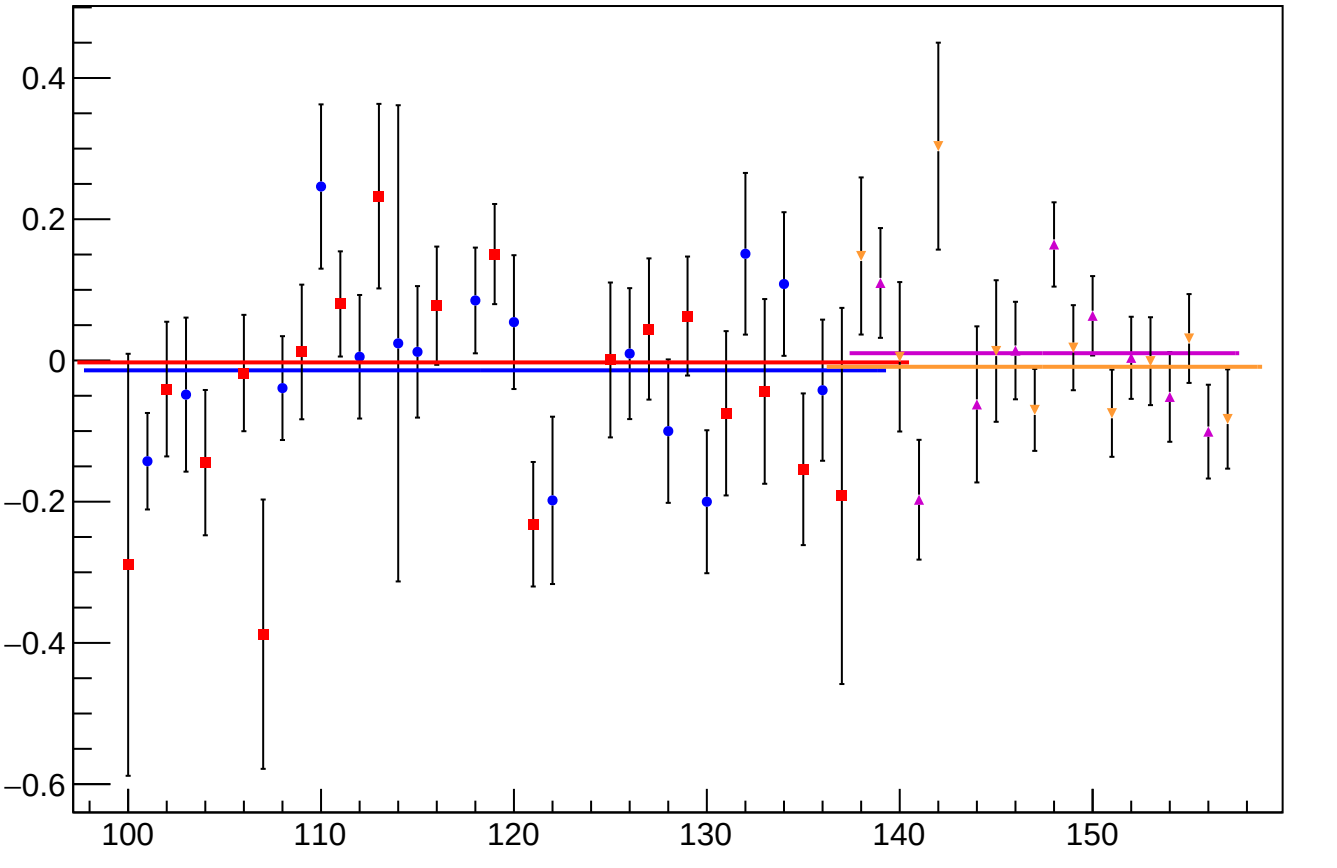
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.004+/-0.000 χ^2/NDF:388511.1/8

+ sign 0.003+/-0.000 χ^2/NDF: 8188129.8/25

All: 0.003+/-0.000 χ^2/NDF: 12013585.0/52

- sign 0.004+/-0.000 χ^2/NDF: 2899968.0/26



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

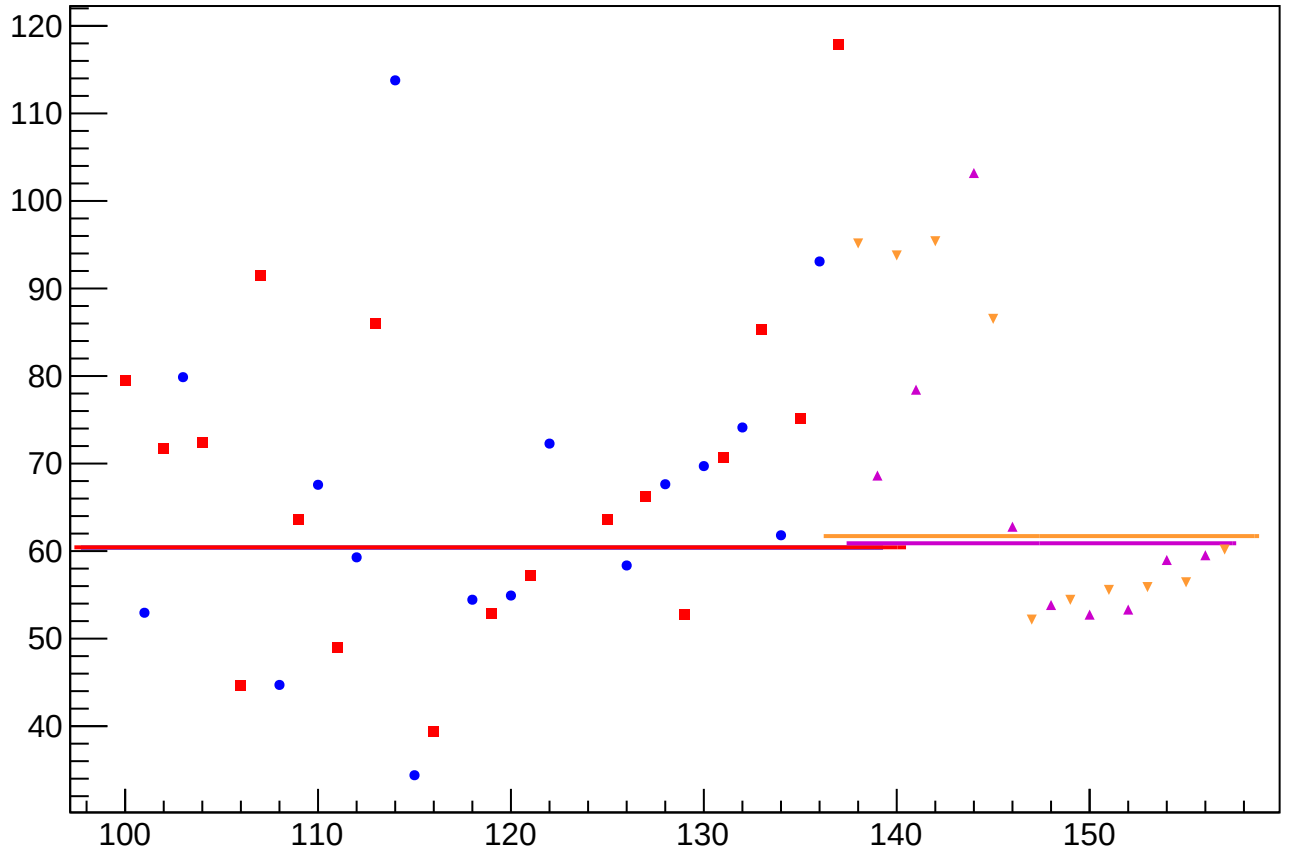
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.010+/-0.023 χ^2/NDF:19.4/8

+ sign -0.011+/-0.017 χ^2/NDF: 32.0/25

All: -0.004+/-0.012 χ^2/NDF: 79.7/52

- sign 0.004+/-0.016 χ^2/NDF: 47.3/26



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

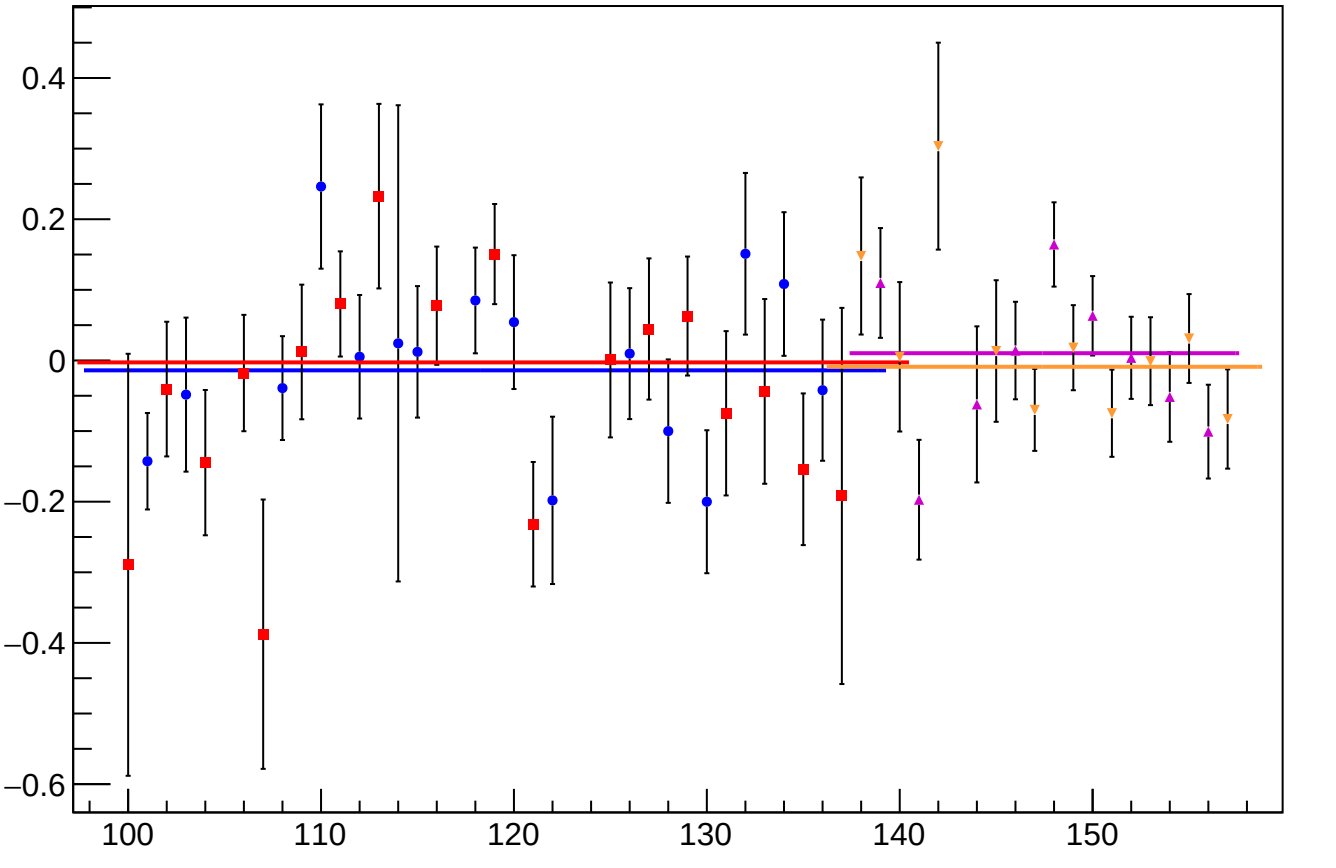
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.894+/-0.016 χ^2/NDF:506353.9/8

+ sign 61.075+/-0.012 χ^2/NDF: 1434477.3/25

All: 60.872+/-0.008 χ^2/NDF: 2652936.5/52

- sign 60.675+/-0.012 χ^2/NDF: 1217872.0/26



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/15

Left Out: -0.009+/-0.023 χ^2/NDF:10.6/9

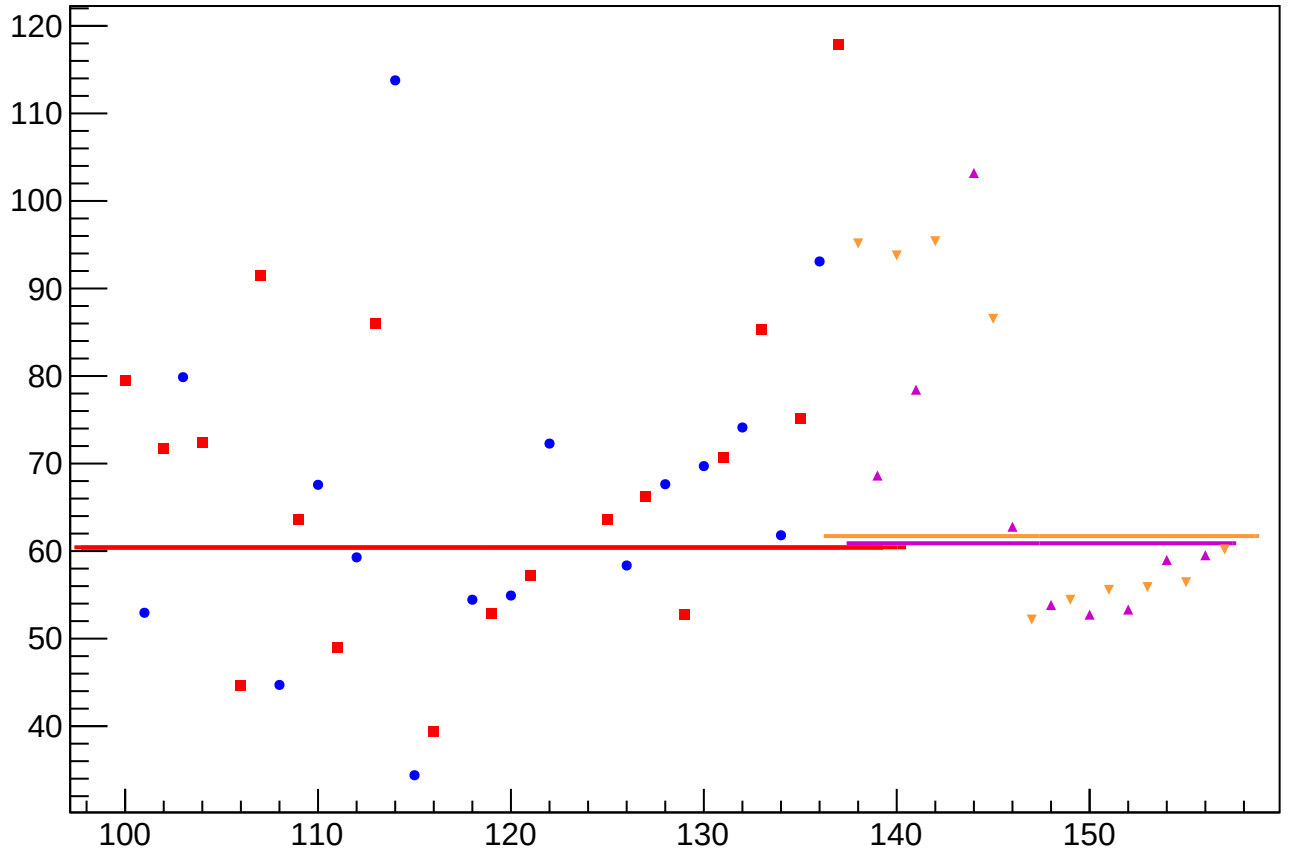
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.010+/-0.023 χ^2/NDF:19.4/8

+ sign -0.011+/-0.017 χ^2/NDF: 32.0/25

All: -0.004+/-0.012 χ^2/NDF: 79.7/52

- sign 0.004+/-0.016 χ^2/NDF: 47.3/26



Right In: 60.398+/-0.017 χ^2/NDF: 703169.3/15

Left Out: 61.713+/-0.016 χ^2/NDF:728180.5/9

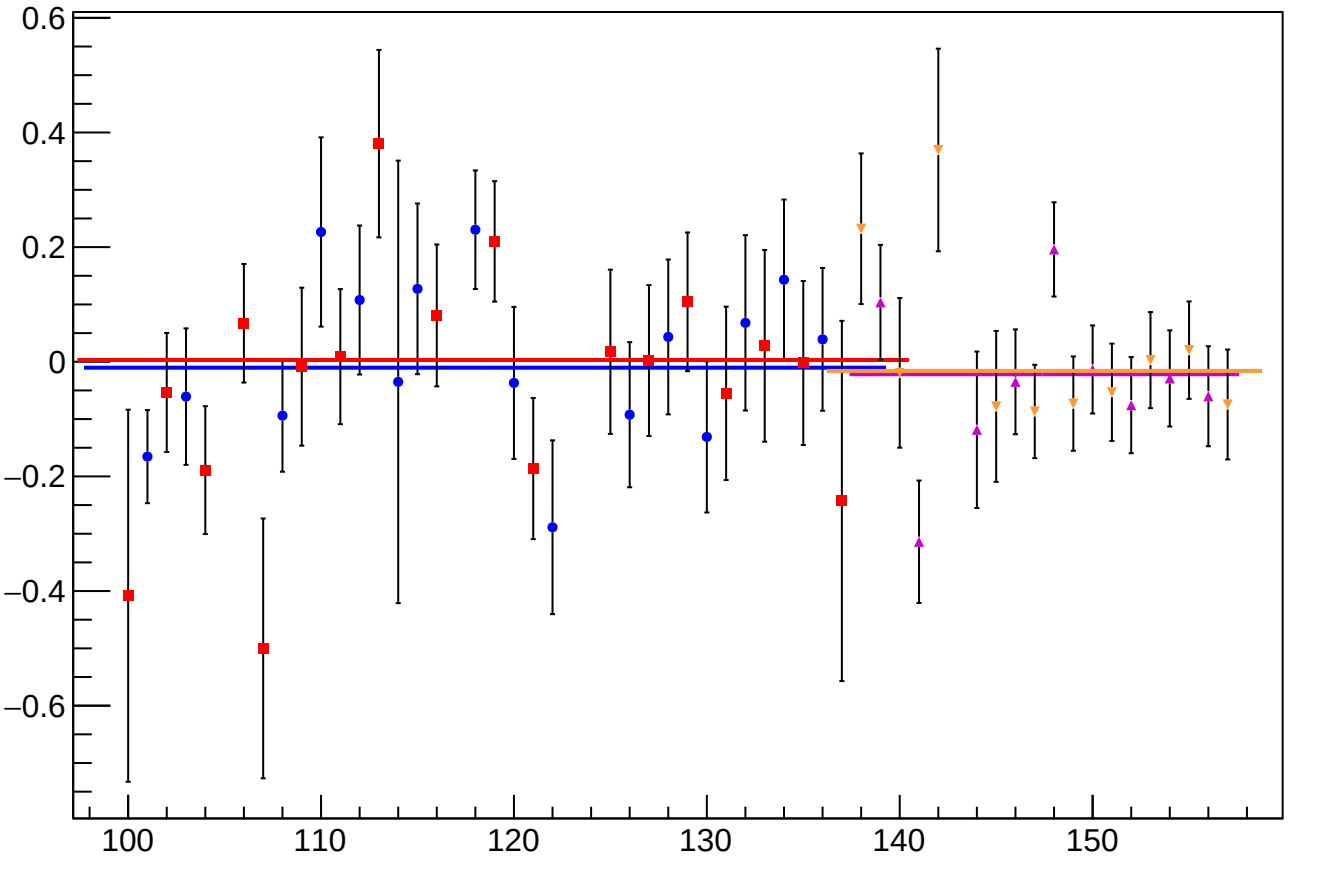
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 60.894+/-0.016 χ^2/NDF:506353.9/8

+ sign 61.075+/-0.012 χ^2/NDF: 1434477.3/25

All: 60.872+/-0.008 χ^2/NDF: 2652936.5/52

- sign 60.675+/-0.012 χ^2/NDF: 1217872.0/26



Right In: -0.010+/-0.032 χ^2/NDF: 20.2/15

Left Out: -0.016+/-0.031 χ^2/NDF:10.6/9

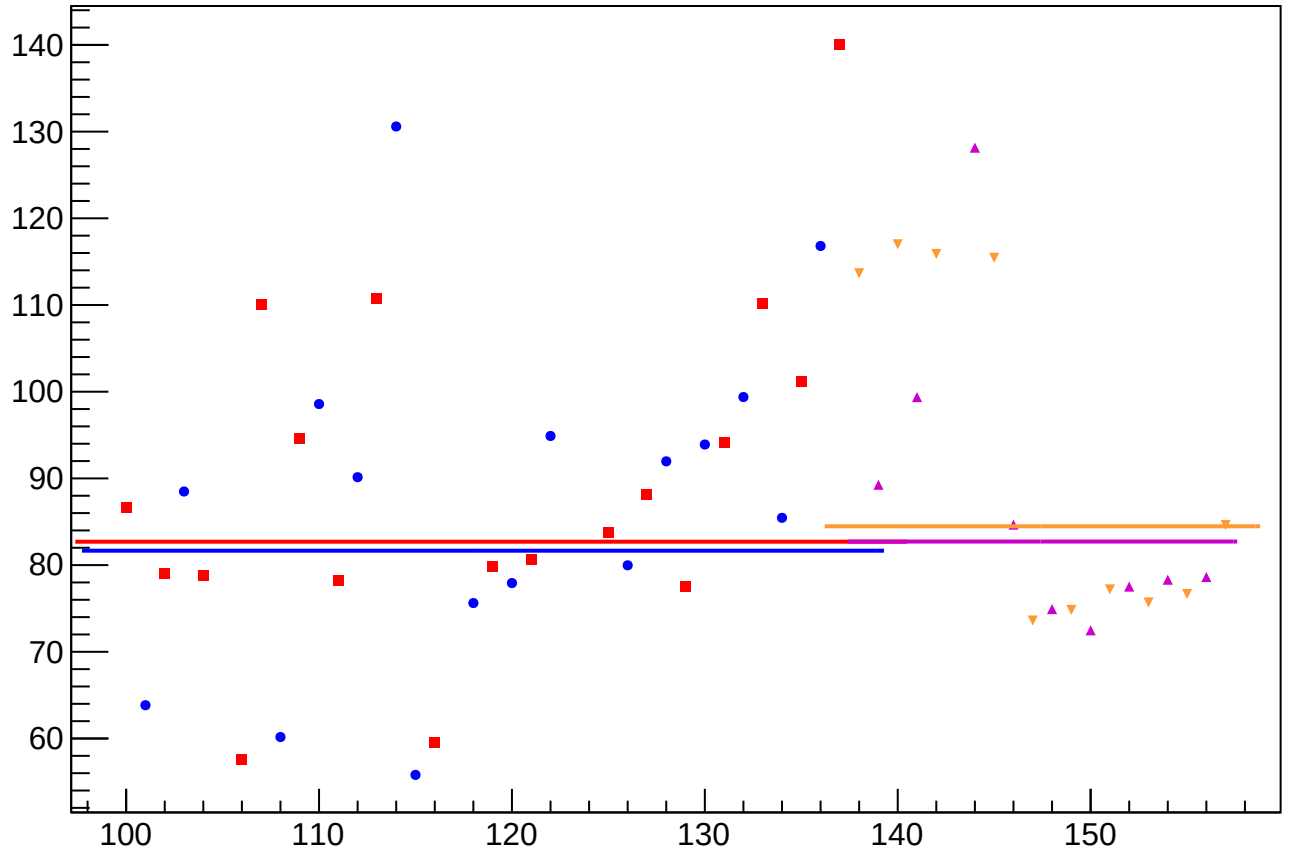
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.022+/-0.030 χ^2/NDF:17.2/8

+ sign -0.013+/-0.022 χ^2/NDF: 30.8/25

All: -0.012+/-0.016 χ^2/NDF: 72.0/52

- sign -0.010+/-0.022 χ^2/NDF: 41.2/26



Right In: 81.663+/-0.022 χ^2/NDF: 561836.4/15

Left Out: 84.478+/-0.022 χ^2/NDF:513330.5/9

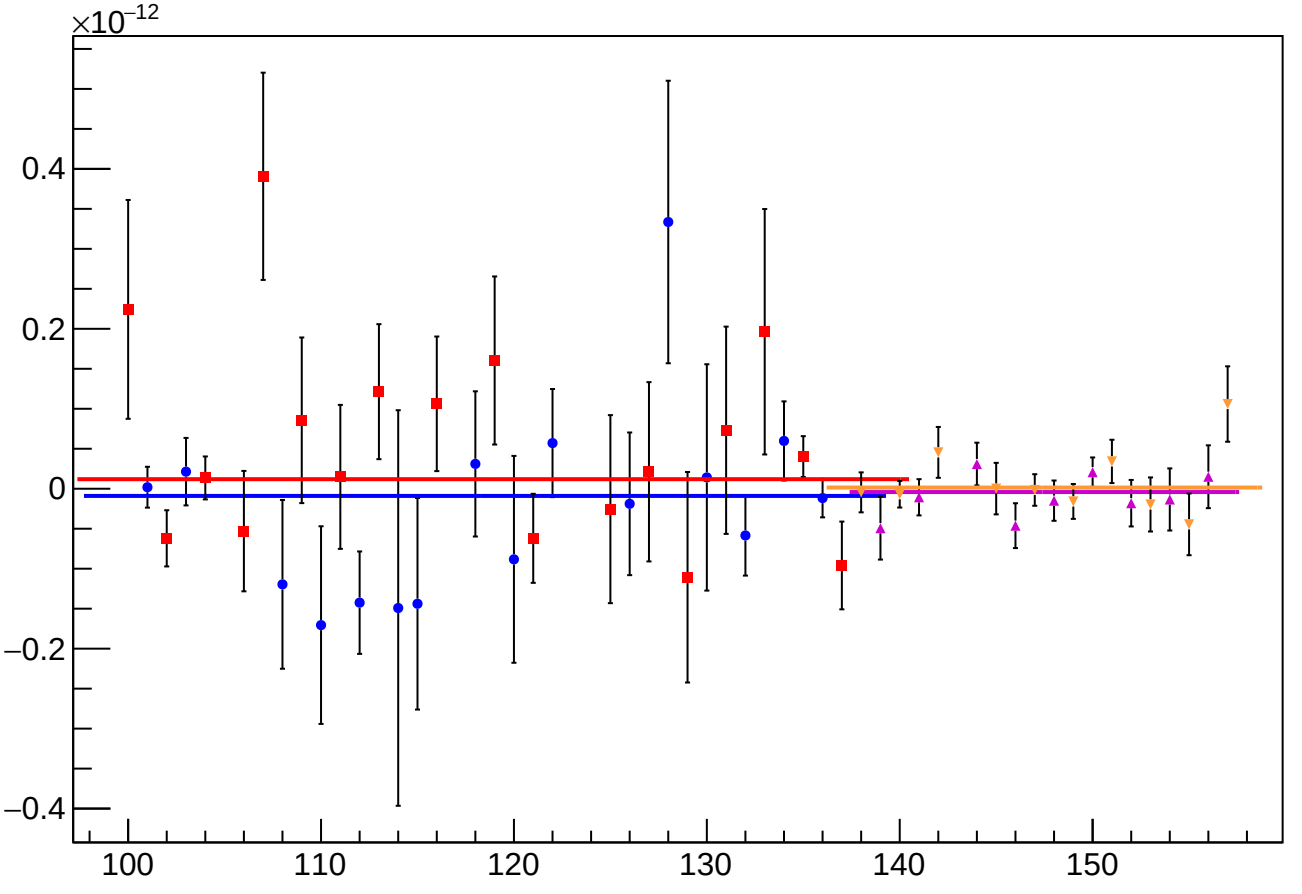
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.719+/-0.021 χ^2/NDF:350826.0/8

+ sign 83.092+/-0.016 χ^2/NDF: 1083223.4/25

All: 82.899+/-0.011 χ^2/NDF: 1907413.6/52

- sign 82.710+/-0.015 χ^2/NDF: 823888.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/17

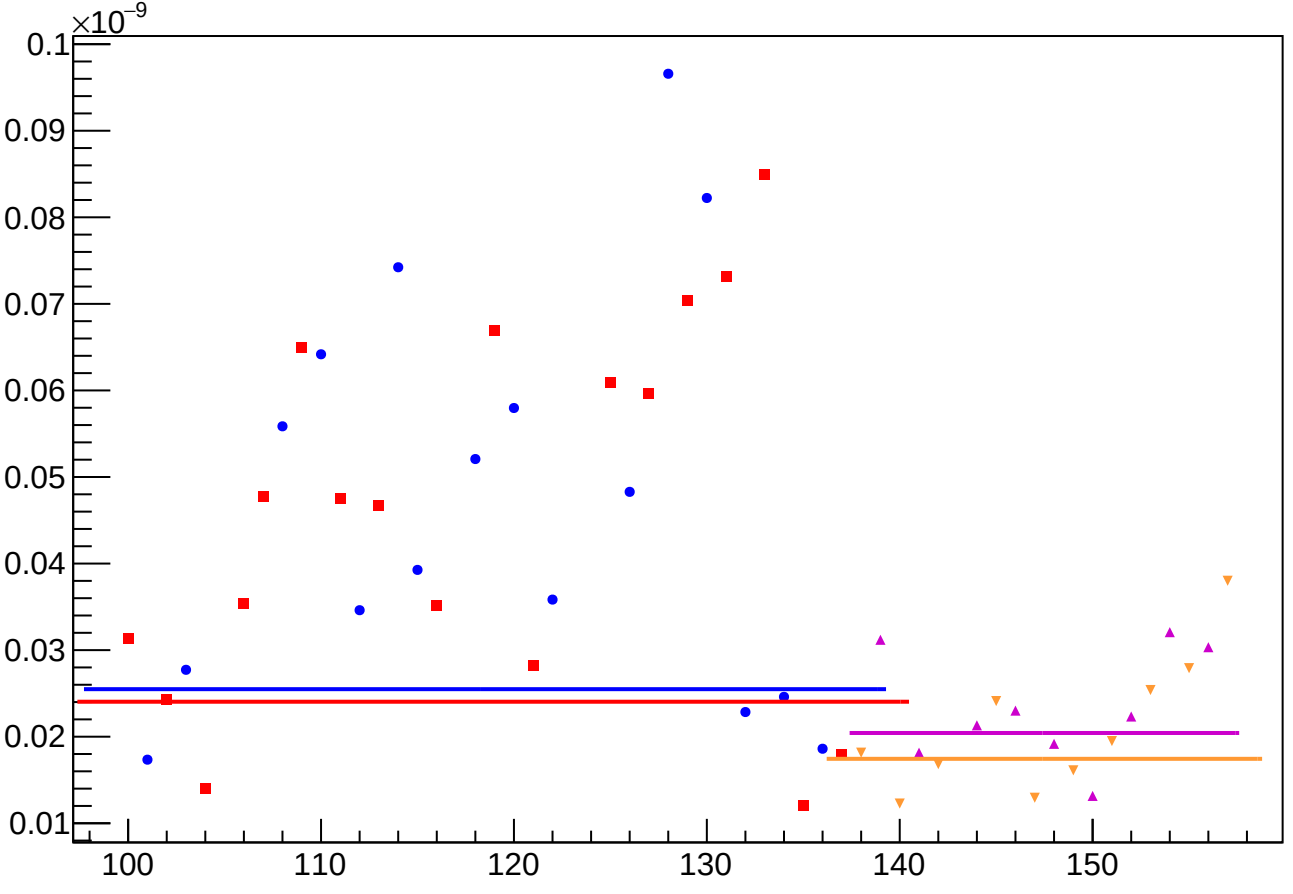
Left In: -0.000+/-0.000 χ^2/NDF:7.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 29.0/25

All: -0.000+/-0.000 χ^2/NDF: 69.0/52

- sign 0.000+/-0.000 χ^2/NDF: 40.0/26

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999848.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041529.2/9

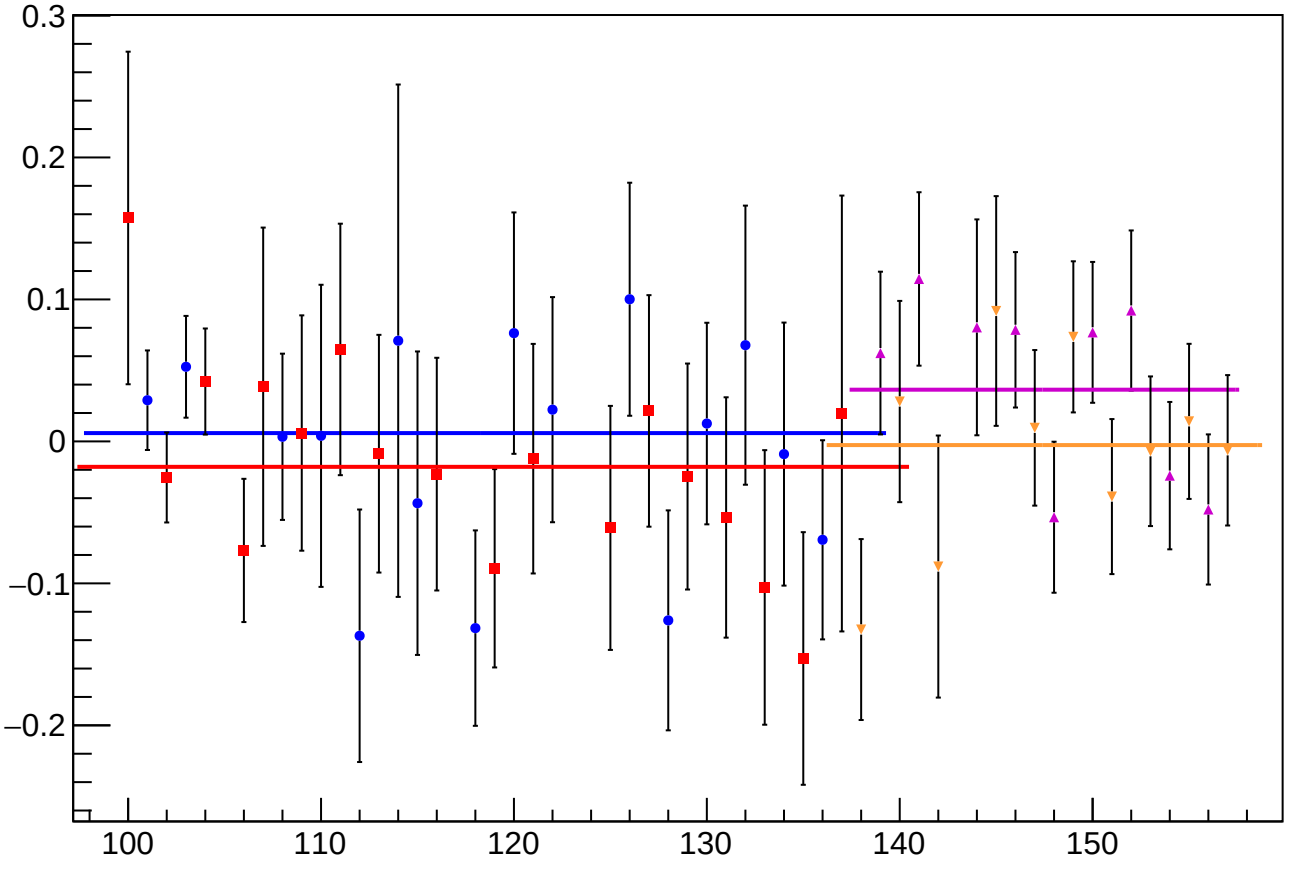
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:822704.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3578092.2/25

All: 0.000+/-0.000 χ^2/NDF: 7656090.0/52

- sign 0.000+/-0.000 χ^2/NDF: 4007289.2/26



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

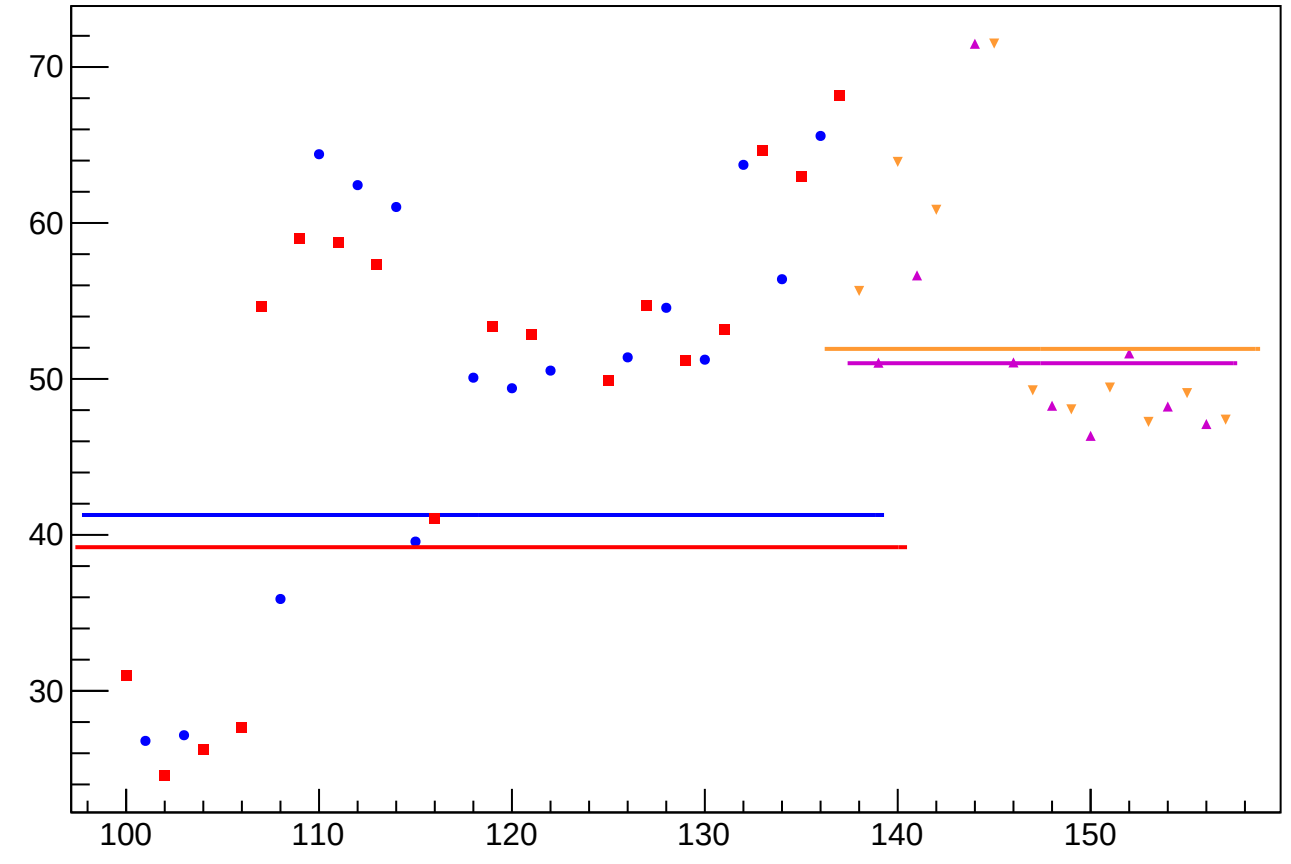
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.036+/-0.019 χ^2/NDF:11.2/8

+ sign 0.002+/-0.012 χ^2/NDF: 24.9/25

All: 0.003+/-0.009 χ^2/NDF: 53.4/52

- sign 0.005+/-0.012 χ^2/NDF: 28.4/26



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.927+/-0.013 χ^2/NDF:255102.0/9

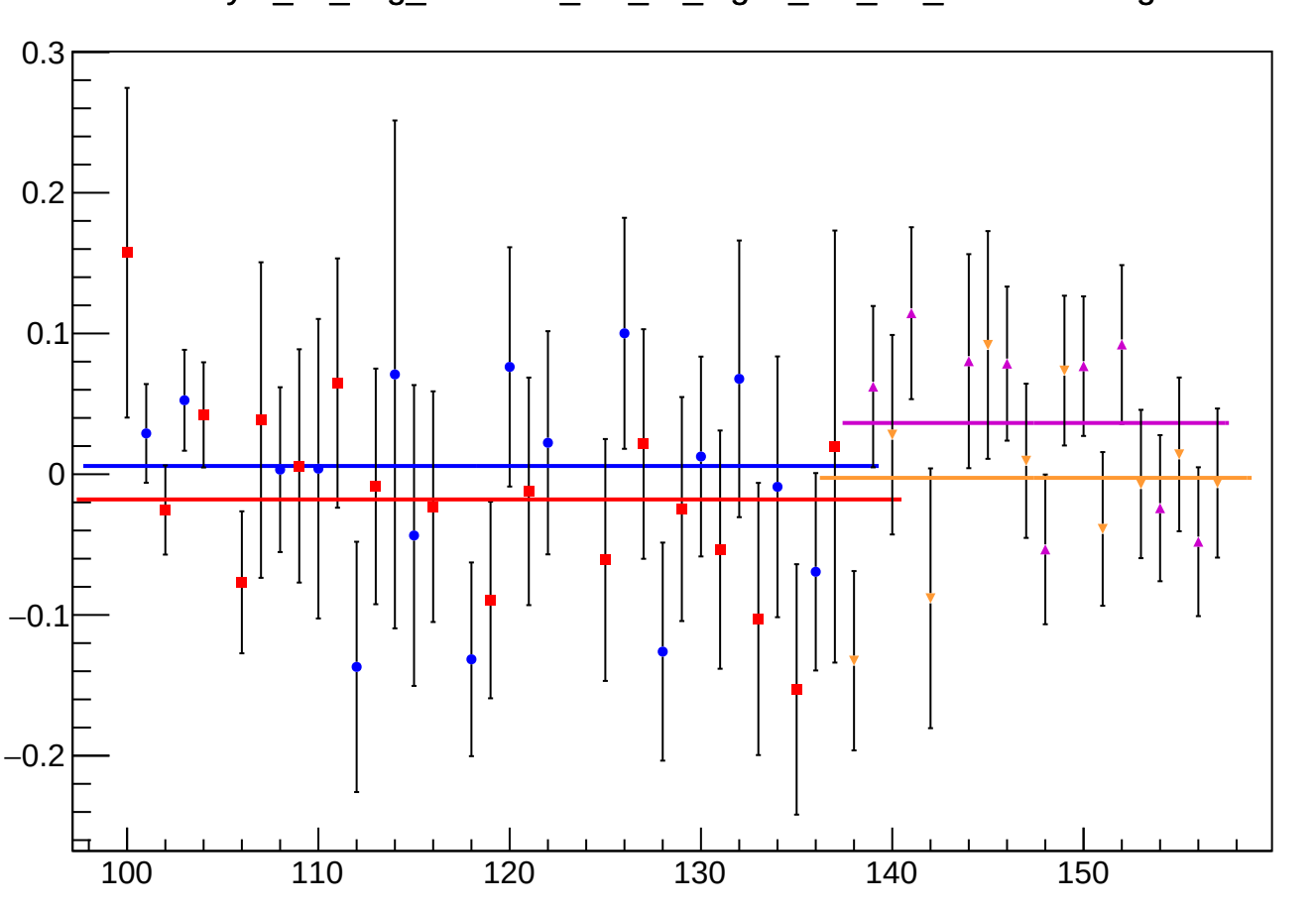
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.008+/-0.013 χ^2/NDF:201871.5/8

\+ sign 45.881+/-0.009 χ^2/NDF: 2119475.8/25

All: 44.971+/-0.006 χ^2/NDF: 4629967.3/52

\- sign 44.124+/-0.008 χ^2/NDF: 2489868.7/26



Right In: 0.006+/-0.017 χ^2/NDF: 15.6/15

Left Out: -0.003+/-0.019 χ^2/NDF:9.2/9

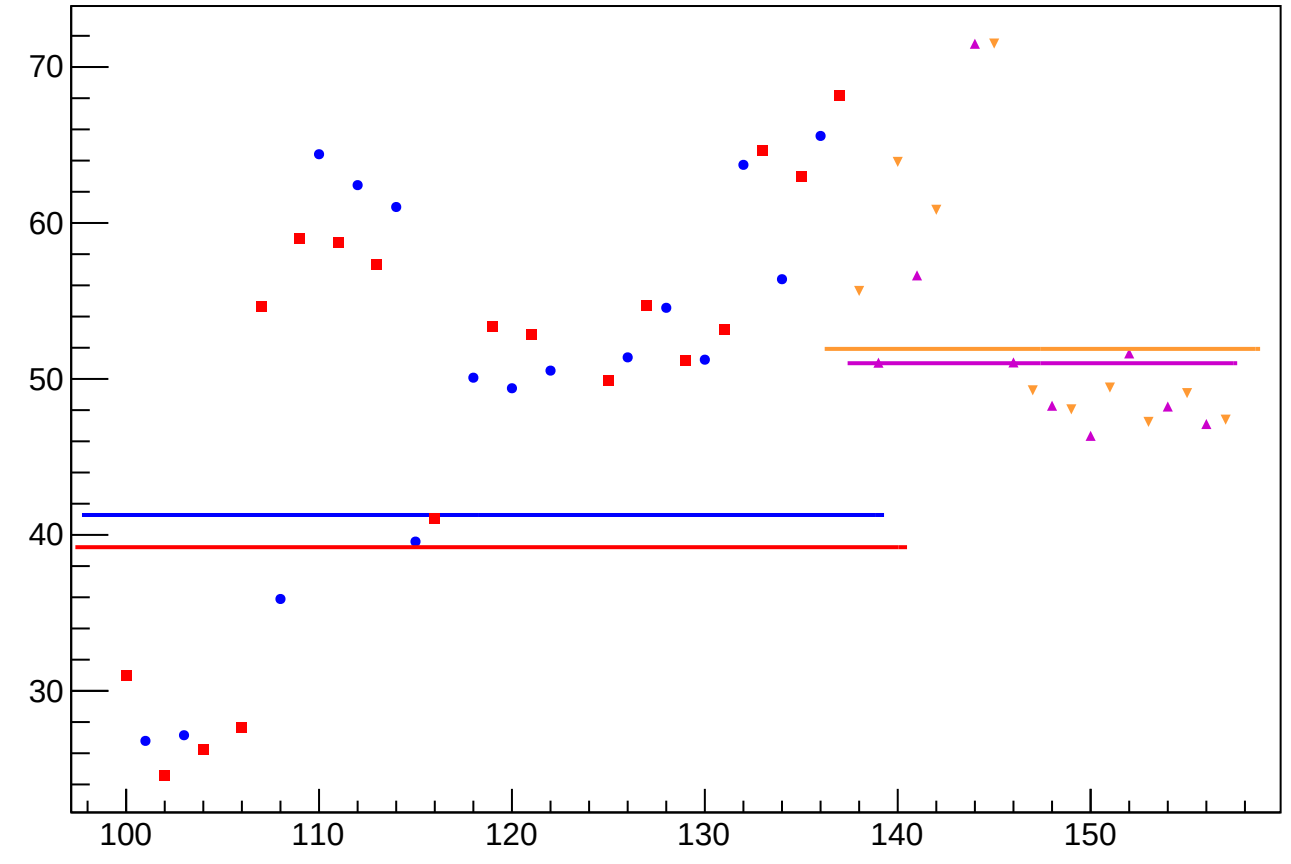
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.036+/-0.019 χ^2/NDF:11.2/8

+ sign 0.002+/-0.012 χ^2/NDF: 24.9/25

All: 0.003+/-0.009 χ^2/NDF: 53.4/52

- sign 0.005+/-0.012 χ^2/NDF: 28.4/26



Right In: 41.277+/-0.012 χ^2/NDF: 1505245.8/15

Left Out: 51.927+/-0.013 χ^2/NDF:255102.0/9

Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

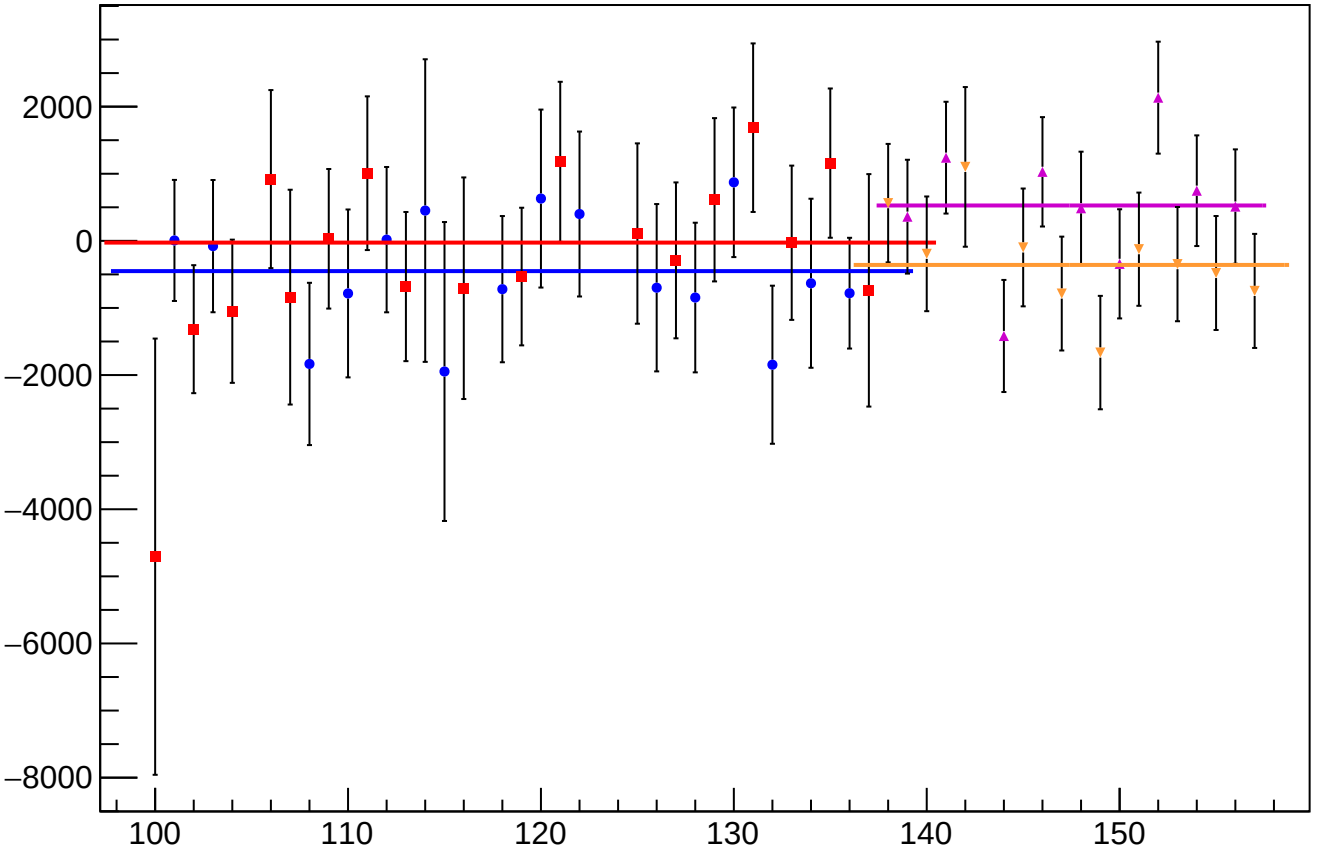
Left In: 51.008+/-0.013 χ^2/NDF:201871.5/8

\+ sign 45.881+/-0.009 χ^2/NDF: 2119475.8/25

All: 44.971+/-0.006 χ^2/NDF: 4629967.3/52

\- sign 44.124+/-0.008 χ^2/NDF: 2489868.7/26

reg_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

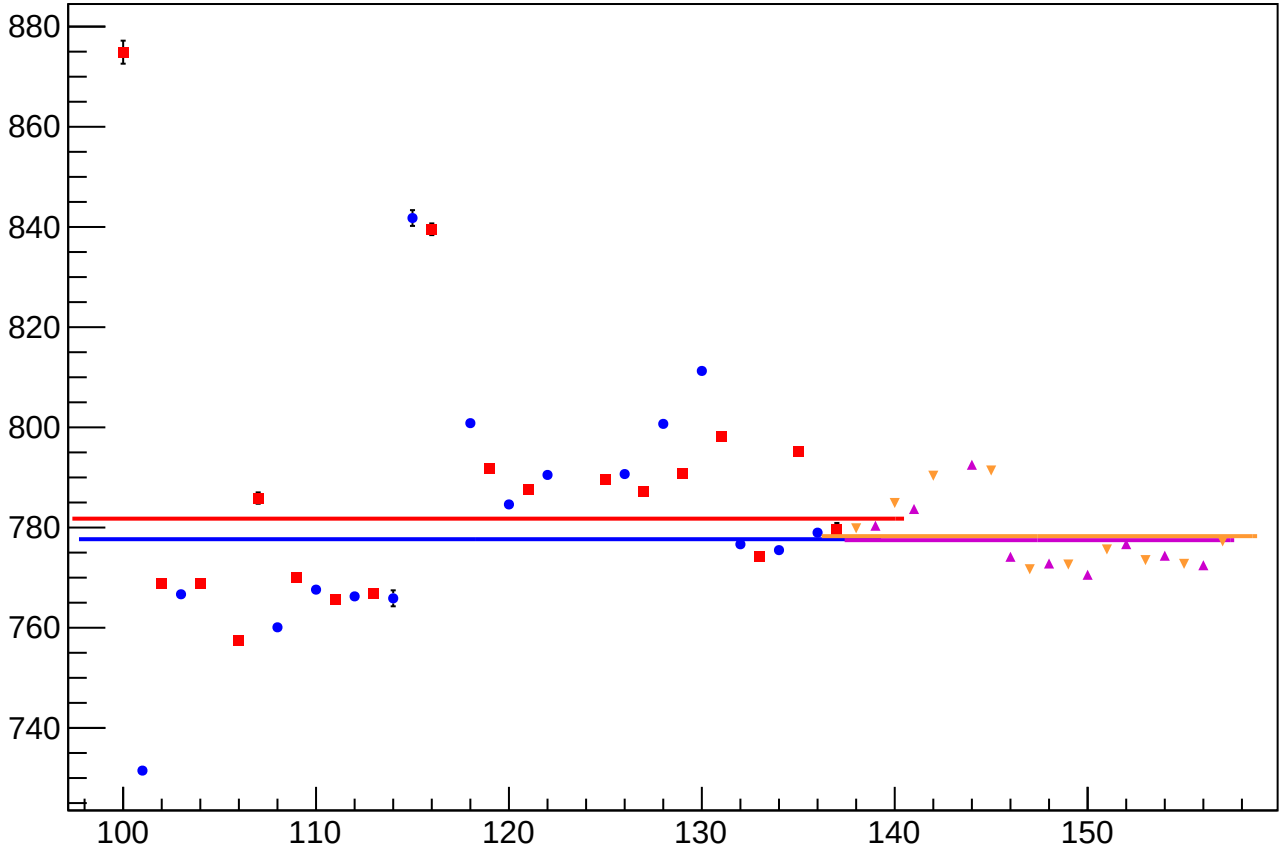
Left In: 527.075+/-277.635 χ^2/NDF:11.5/8

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -70.878+/-141.418 χ^2/NDF: 43.3/52

- sign 260.698+/-199.908 χ^2/NDF: 25.1/26

reg_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

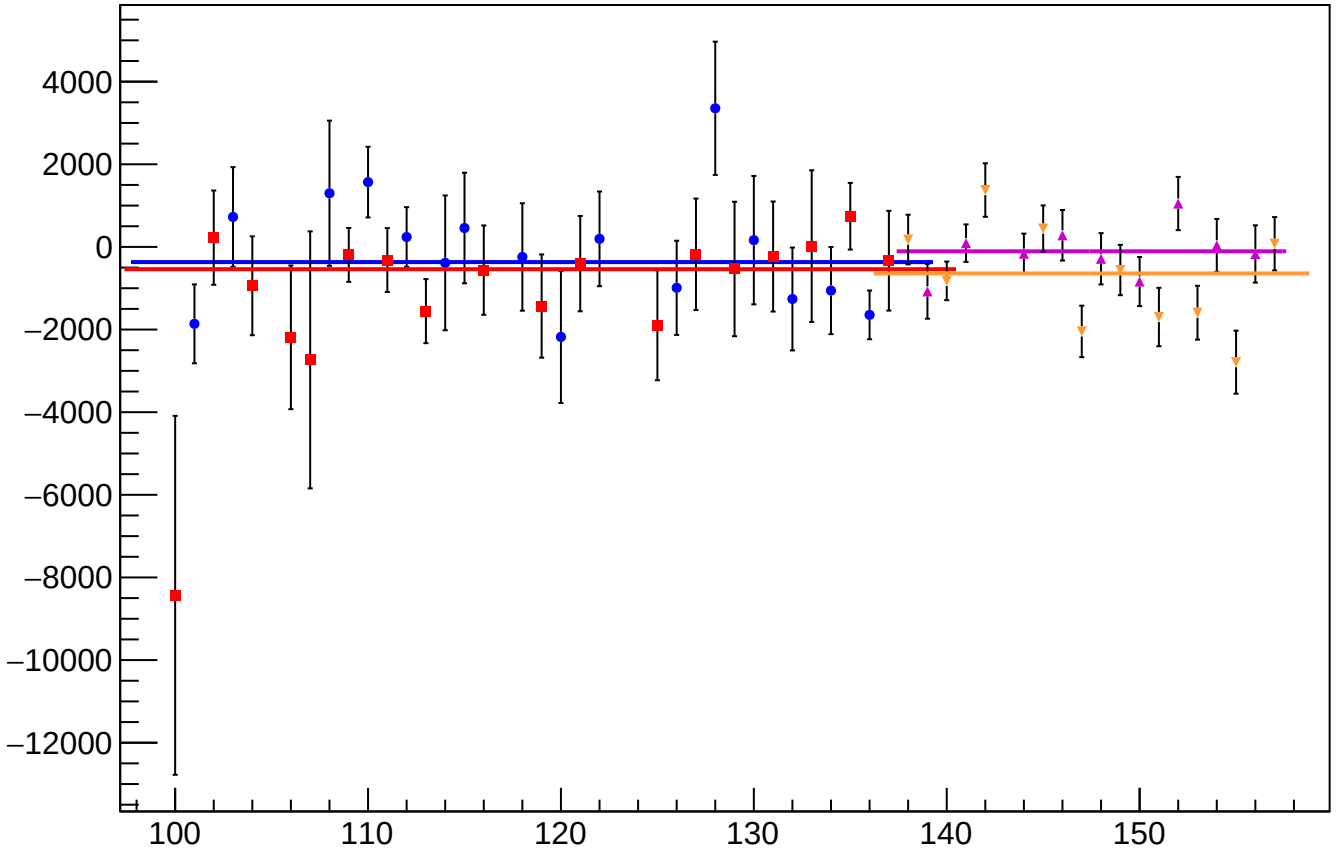
Left In: 777.484+/-0.196 χ^2/NDF:1122.0/8

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 778.772+/-0.100 χ^2/NDF: 22258.9/52

- sign 779.551+/-0.141 χ^2/NDF: 8978.6/26

asym_us_dd_reg_correction_mean vs Slug



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

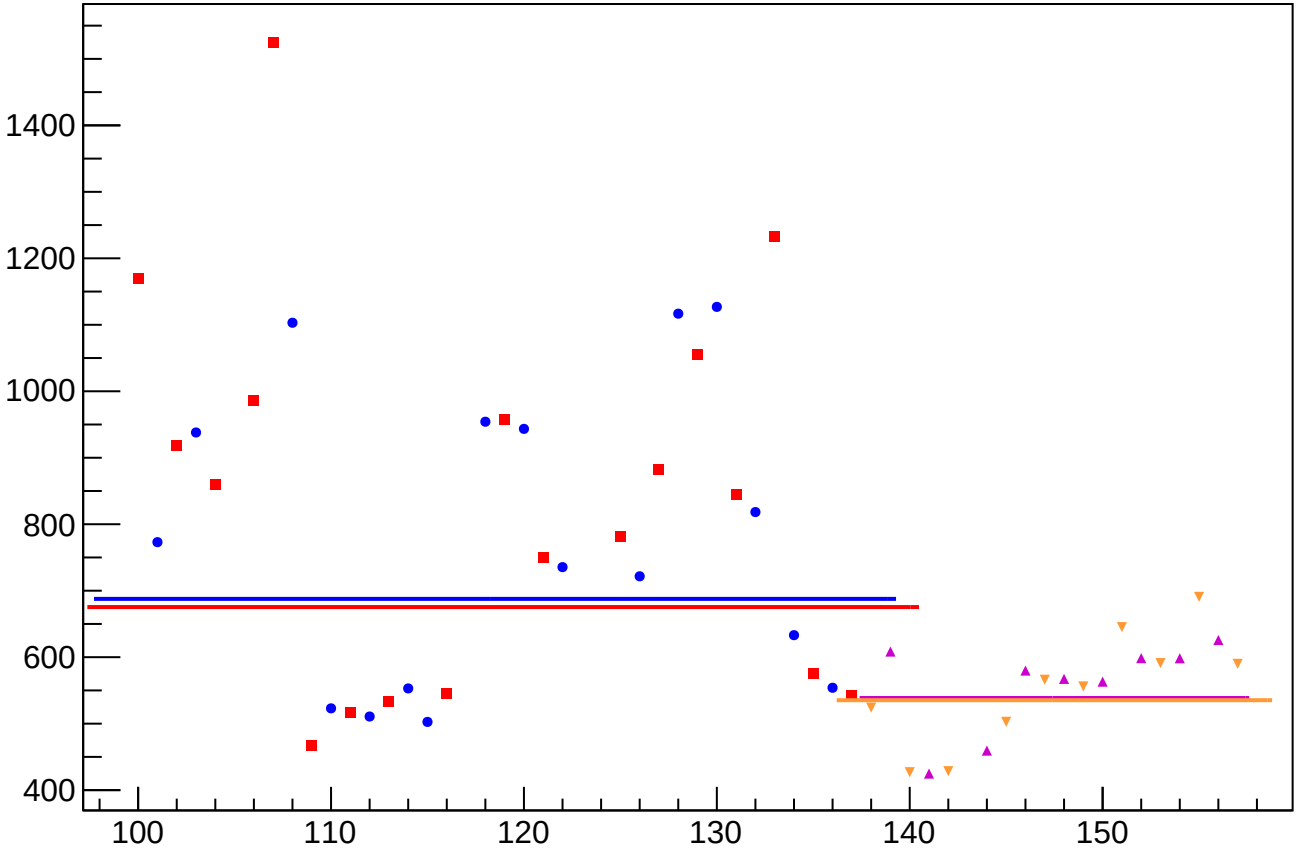
Left In: -106.312+/-194.609 χ^2/NDF:7.6/8

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -403.031+/-110.707 χ^2/NDF: 80.8/52

- sign -259.433+/-156.419 χ^2/NDF: 21.0/26

asym_us_dd_reg_correction_rms vs Slug



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

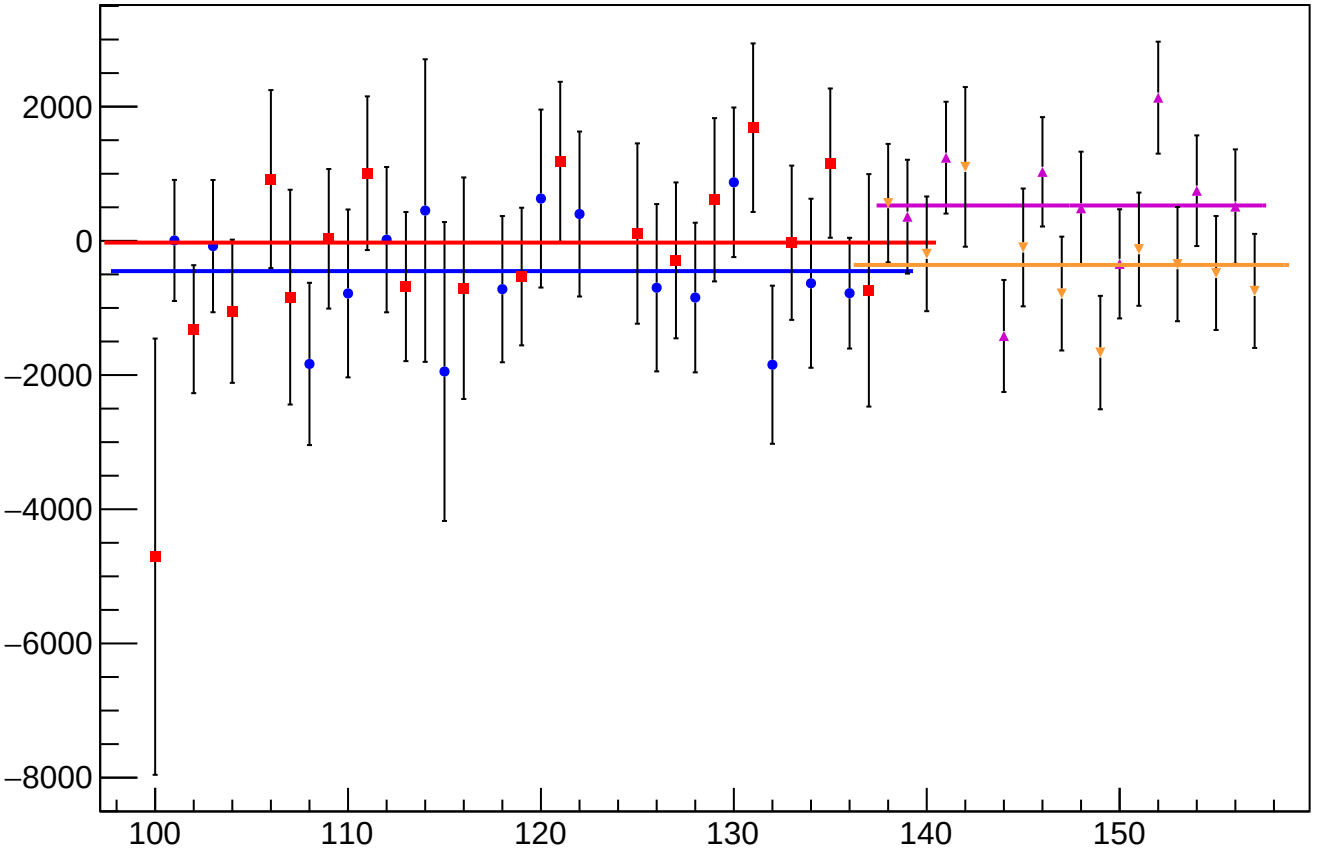
Left In: 538.591+/-0.138 χ^2/NDF:284086.8/8

\+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 587.466+/-0.078 χ^2/NDF: 3743704.5/52

\- sign 587.021+/-0.111 χ^2/NDF: 1947008.3/26

cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

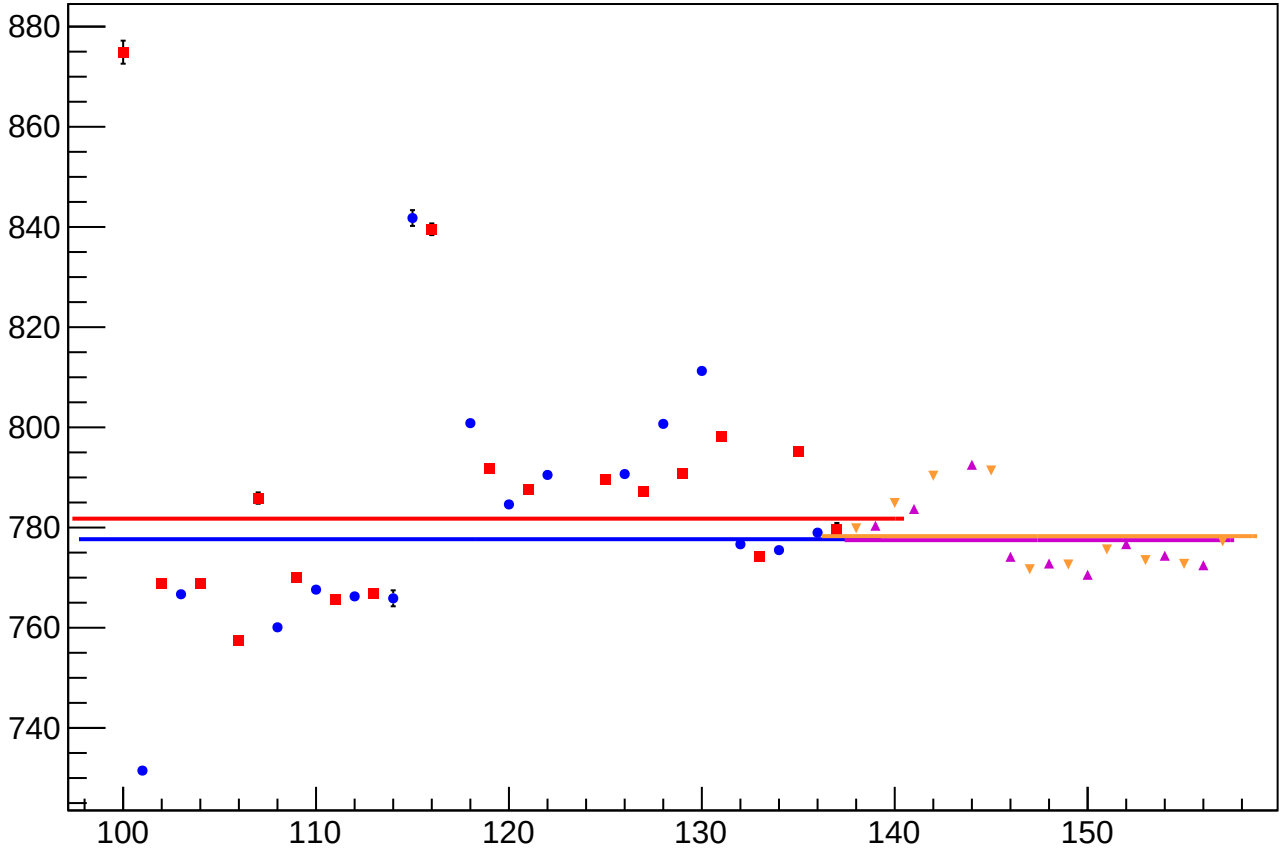
Left In: 527.075+/-277.635 χ^2/NDF:11.5/8

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -70.878+/-141.418 χ^2/NDF: 43.3/52

- sign 260.698+/-199.908 χ^2/NDF: 25.1/26

cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

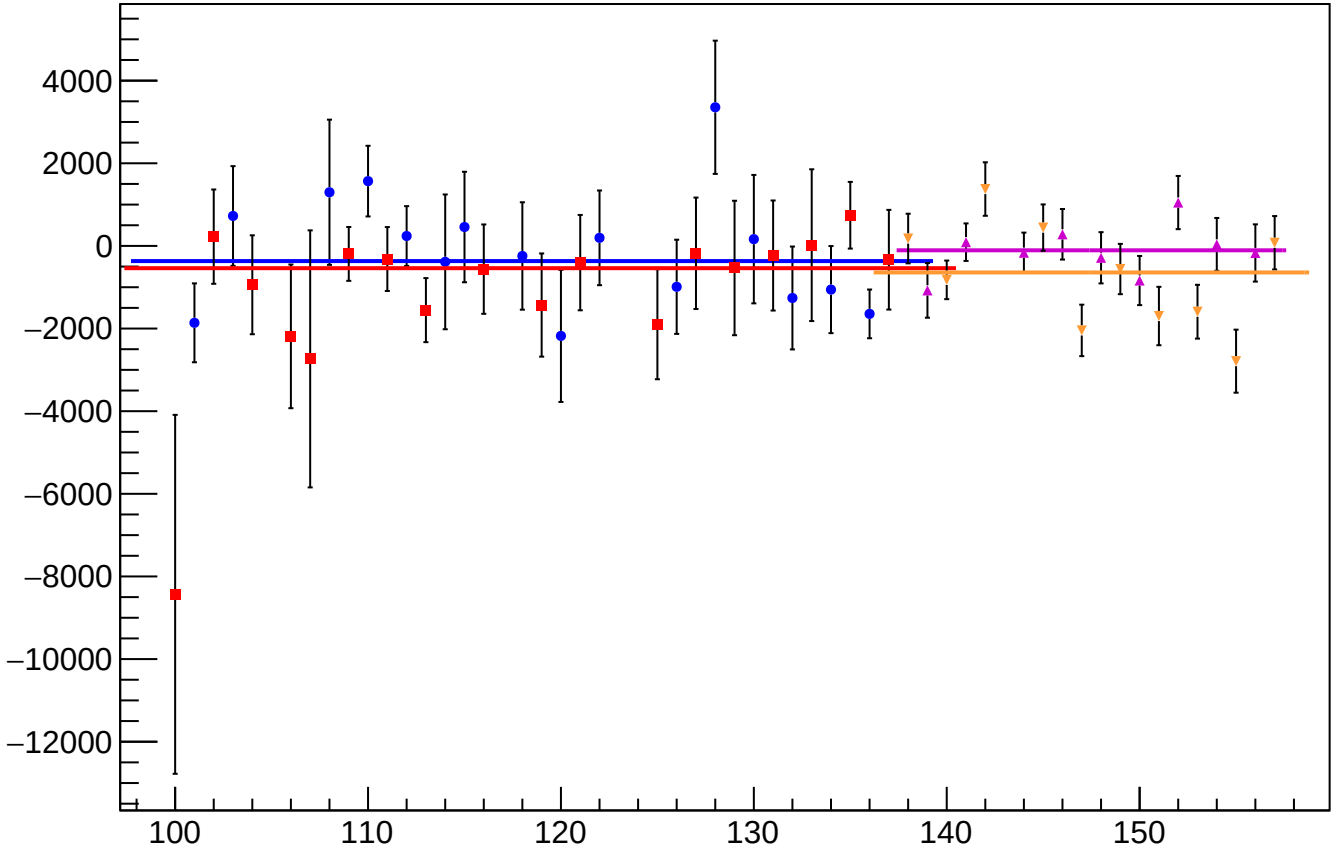
Left In: 777.484+/-0.196 χ^2/NDF:1122.0/8

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 778.772+/-0.100 χ^2/NDF: 22258.9/52

- sign 779.551+/-0.141 χ^2/NDF: 8978.6/26

asym_us_dd_cor_correction_mean vs Slug



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

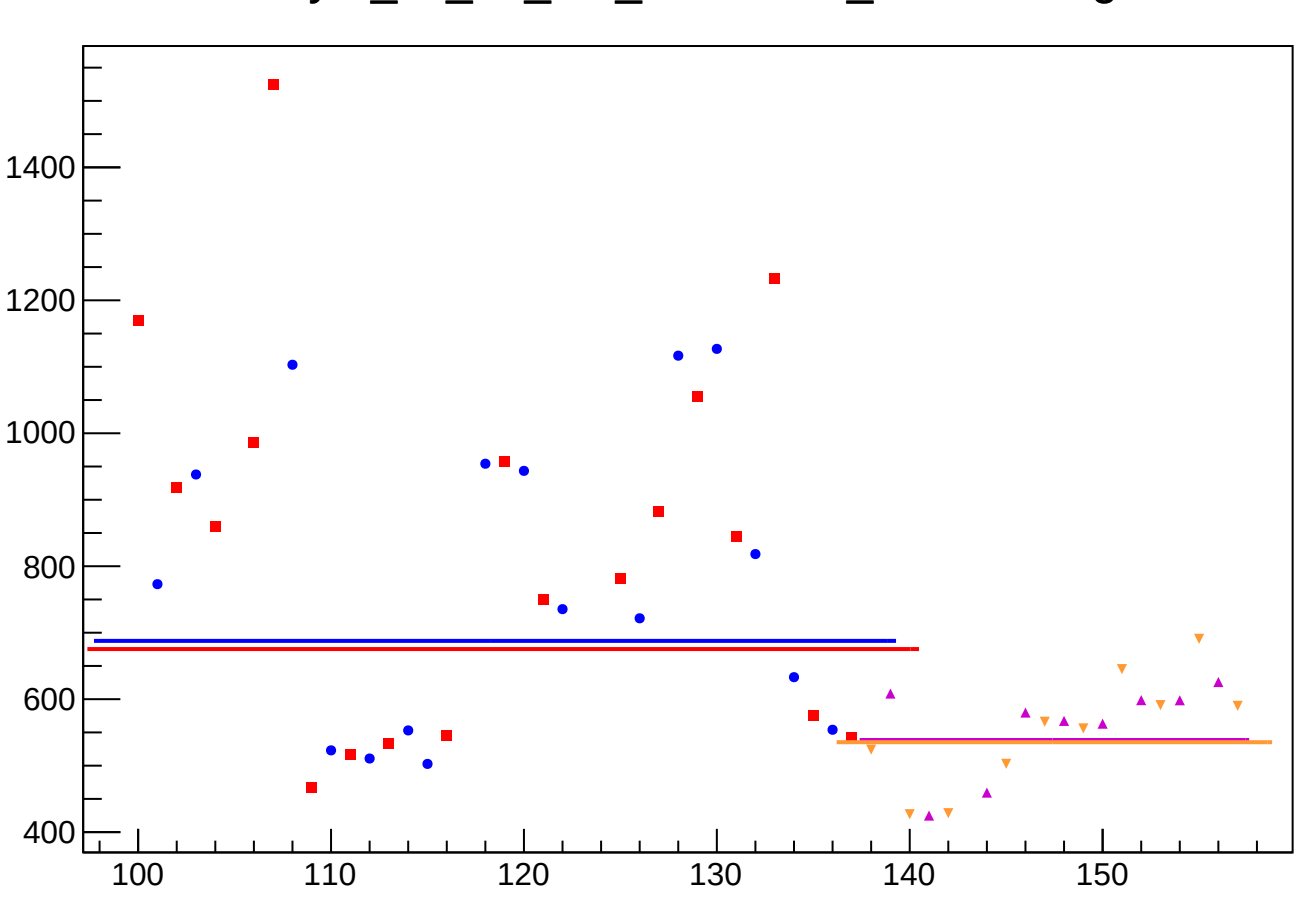
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -106.312+/-194.609 χ^2/NDF:7.6/8

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -403.031+/-110.707 χ^2/NDF: 80.8/52

- sign -259.433+/-156.419 χ^2/NDF: 21.0/26



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

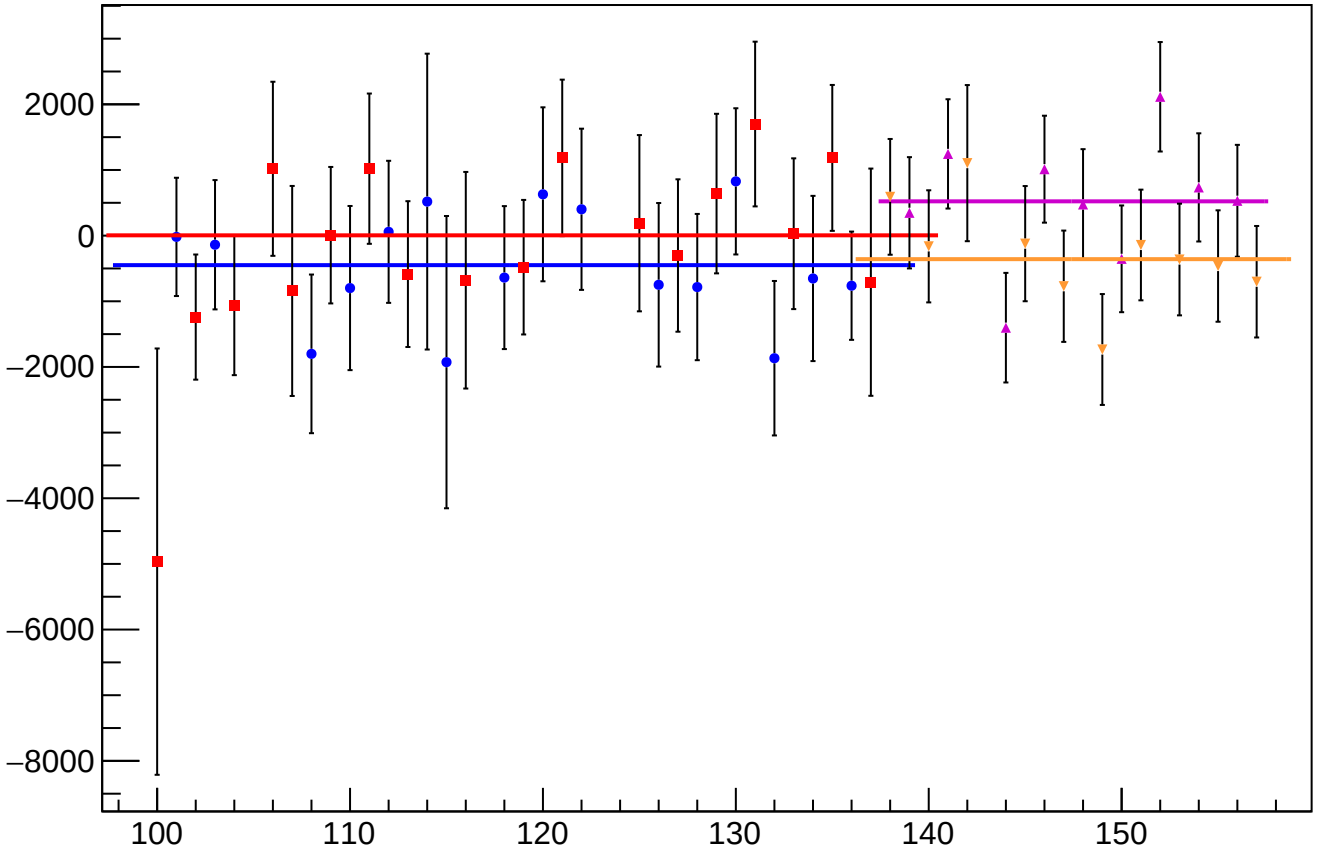
Left In: 538.591+/-0.138 χ^2/NDF:284086.8/8

+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 587.466+/-0.078 χ^2/NDF: 3743704.5/52

- sign 587.021+/-0.111 χ^2/NDF: 1947008.3/26

overload_cor_asym_us_dd_mean vs Slug



Right In: -449.430+/-288.668 χ^2/NDF: 6.8/15

Left Out: -358.241+/-277.086 χ^2/NDF:5.9/9

Right Out: 4.645+/-287.815 χ^2/NDF: 11.8/17

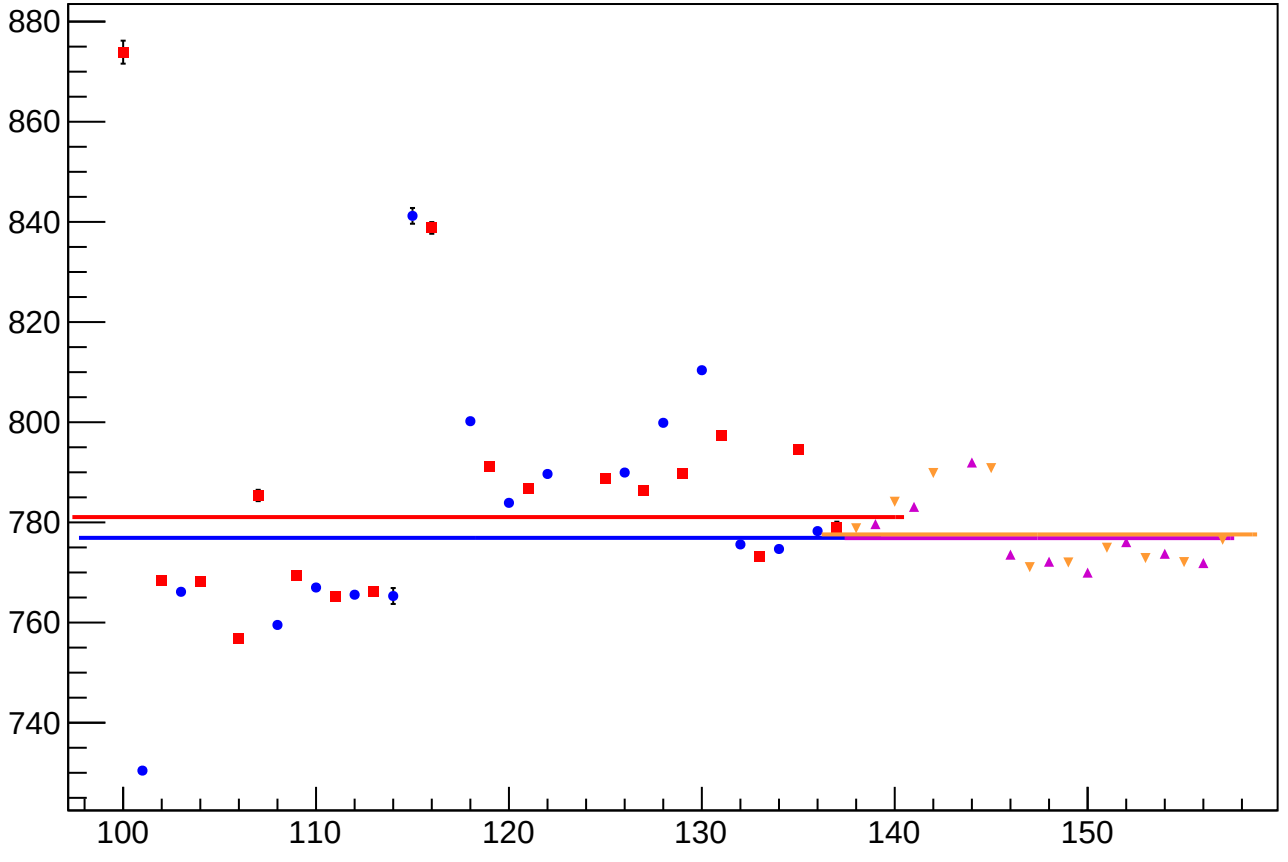
Left In: 522.378+/-277.411 χ^2/NDF:11.4/8

+ sign -401.969+/-199.899 χ^2/NDF: 12.7/25

All: -64.191+/-141.292 χ^2/NDF: 43.3/52

- sign 273.038+/-199.736 χ^2/NDF: 24.9/26

overload_cor_asym_us_dd_rms vs Slug



Right In: 776.913+/-0.204 χ^2/NDF: 12123.6/15

Left Out: 777.599+/-0.196 χ^2/NDF:1164.8/9

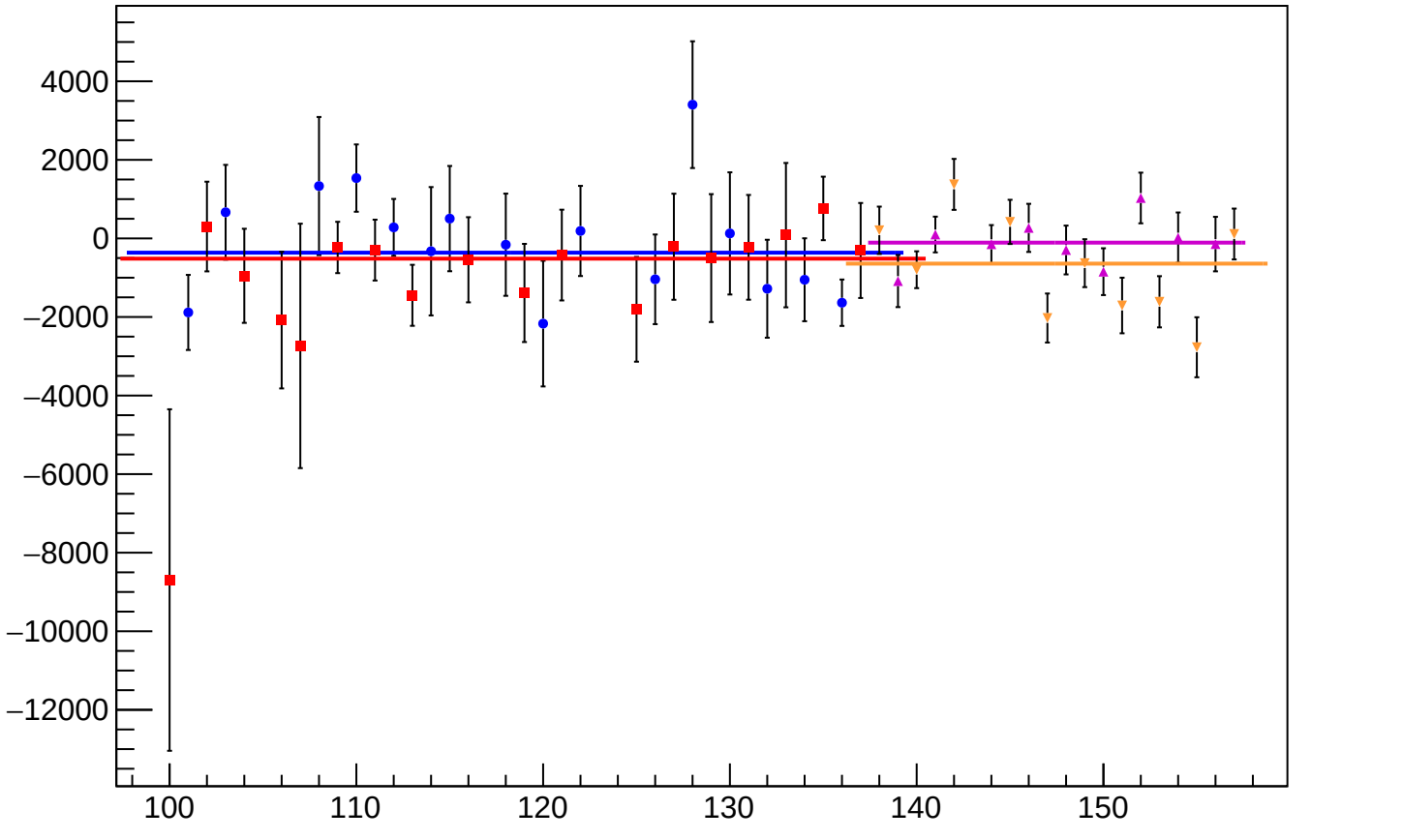
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 776.857+/-0.196 χ^2/NDF:1127.1/8

+ sign 777.270+/-0.141 χ^2/NDF: 13294.2/25

All: 778.076+/-0.100 χ^2/NDF: 22293.3/52

- sign 778.882+/-0.141 χ^2/NDF: 8934.0/26



Right In: -362.811+/-267.086 χ^2/NDF: 23.4/15

Left Out: -641.880+/-194.061 χ^2/NDF:33.9/9

Right Out: -515.295+/-263.302 χ^2/NDF: 11.4/17

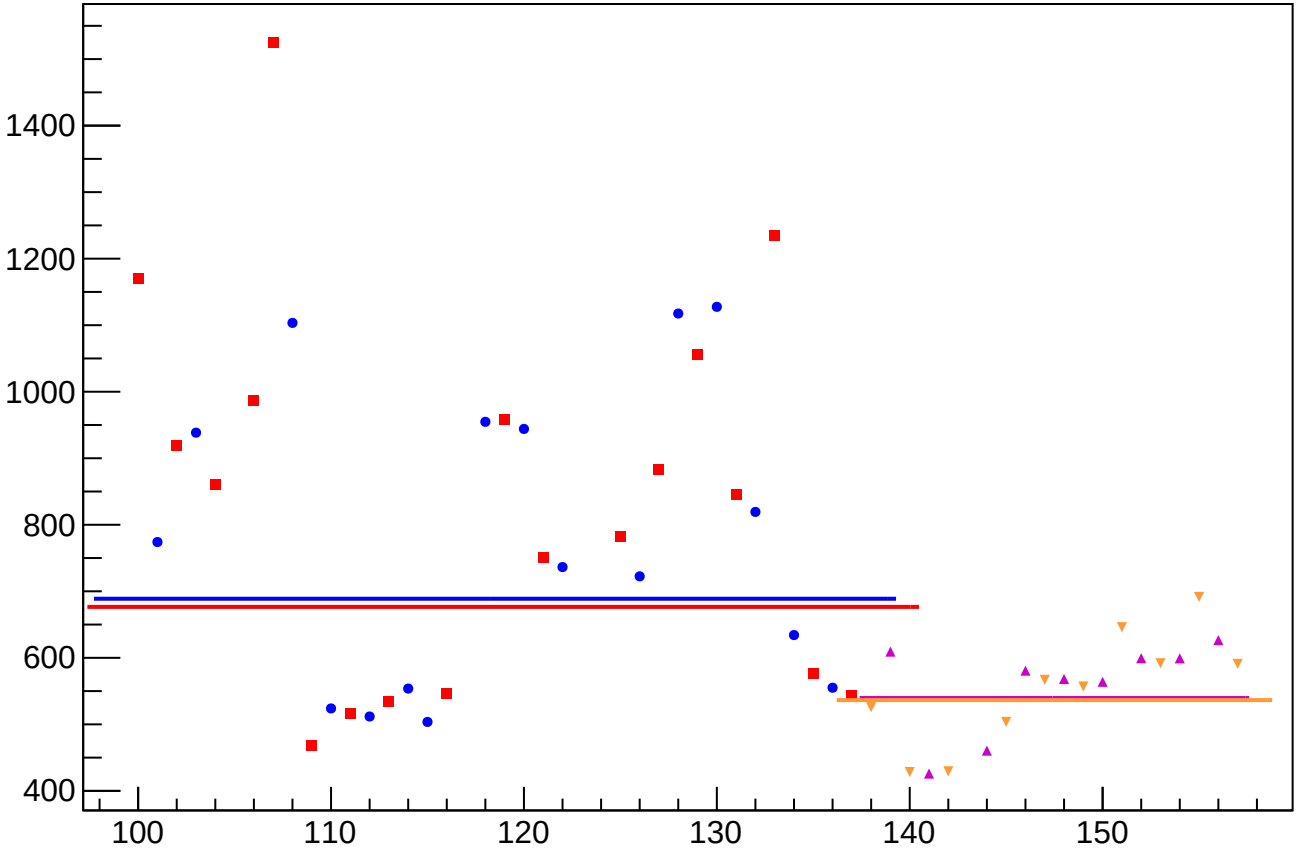
Left In: -107.422+/-194.954 χ^2/NDF:7.5/8

+ sign -545.456+/-156.996 χ^2/NDF: 58.0/25

All: -398.358+/-110.901 χ^2/NDF: 80.2/52

- sign -251.850+/-156.681 χ^2/NDF: 20.5/26

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 688.828+/-0.189 χ^2/NDF: 1028118.5/15

Left Out: 536.437+/-0.137 χ^2/NDF:334102.2/9

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

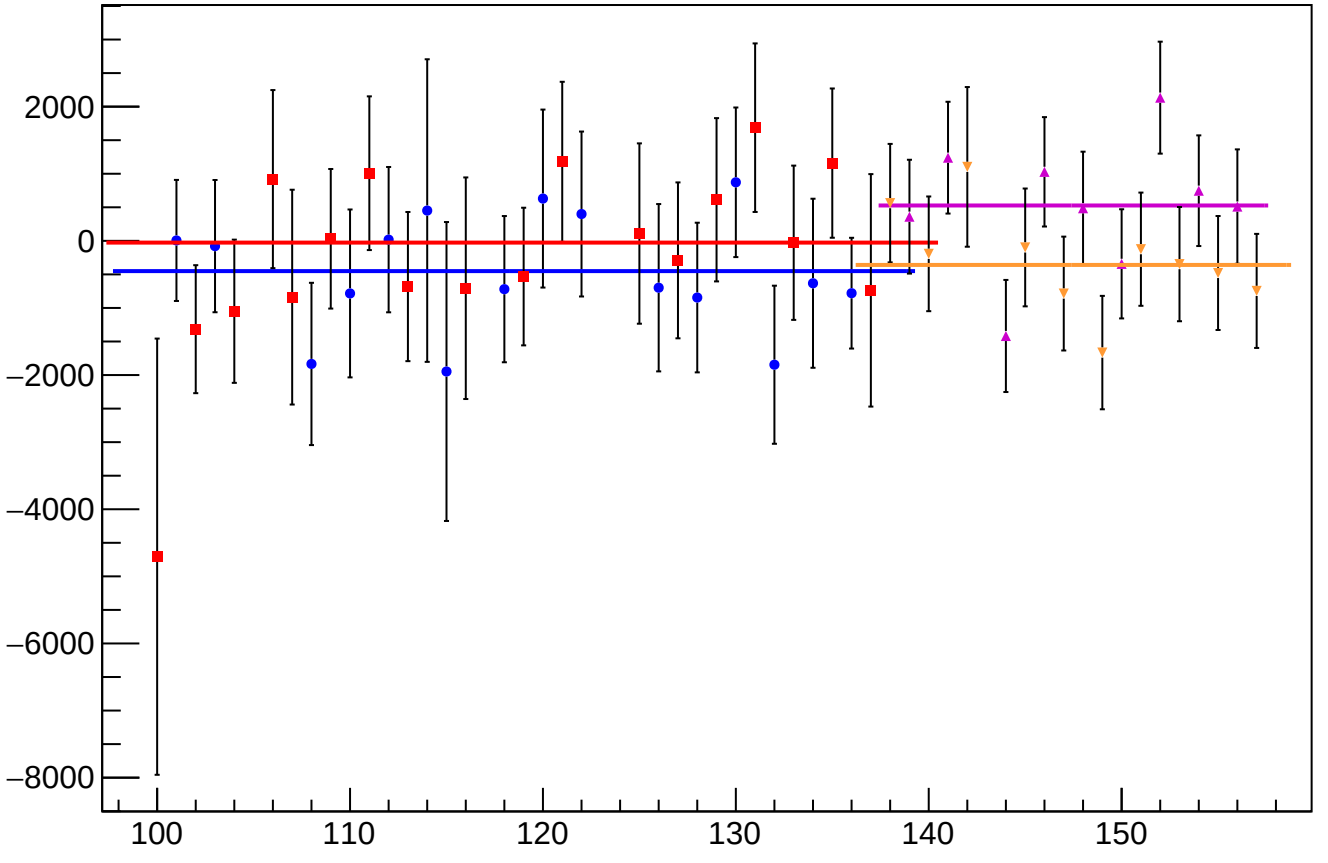
Left In: 539.590+/-0.138 χ^2/NDF:282096.2/8

+ sign 589.091+/-0.111 χ^2/NDF: 1788355.7/25

All: 588.592+/-0.078 χ^2/NDF: 3728165.6/52

- sign 588.095+/-0.111 χ^2/NDF: 1939769.5/26

eigen_cor_asym_us_dd_mean vs Slug



Right In: -450.953+/-288.950 χ^2/NDF: 6.9/15

Left Out: -358.900+/-277.330 χ^2/NDF:5.7/9

Right Out: -26.099+/-288.079 χ^2/NDF: 11.7/17

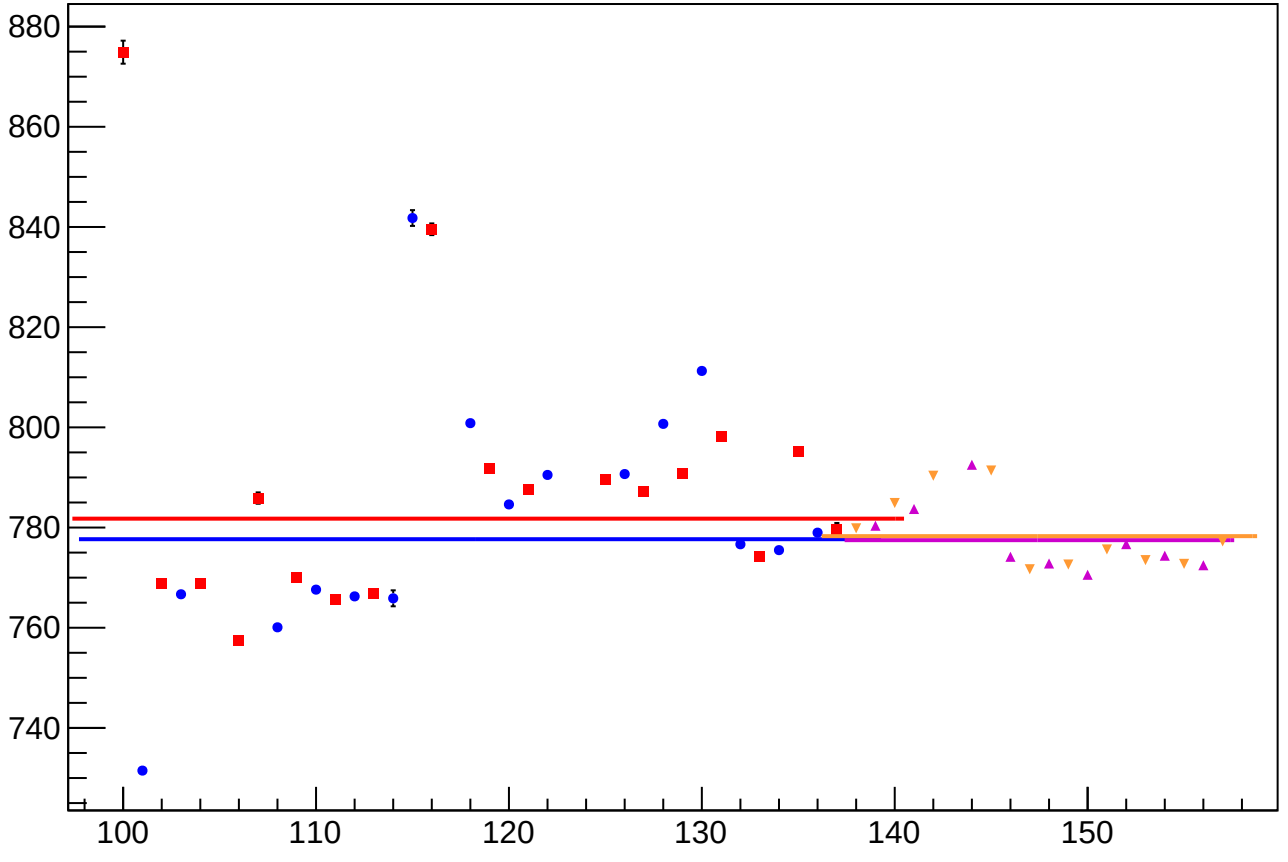
Left In: 527.075+/-277.635 χ^2/NDF:11.5/8

+ sign -403.038+/-200.084 χ^2/NDF: 12.7/25

All: -70.878+/-141.418 χ^2/NDF: 43.3/52

- sign 260.698+/-199.908 χ^2/NDF: 25.1/26

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674+/-0.204 χ^2/NDF: 12055.4/15

Left Out: 778.283+/-0.196 χ^2/NDF:1159.5/9

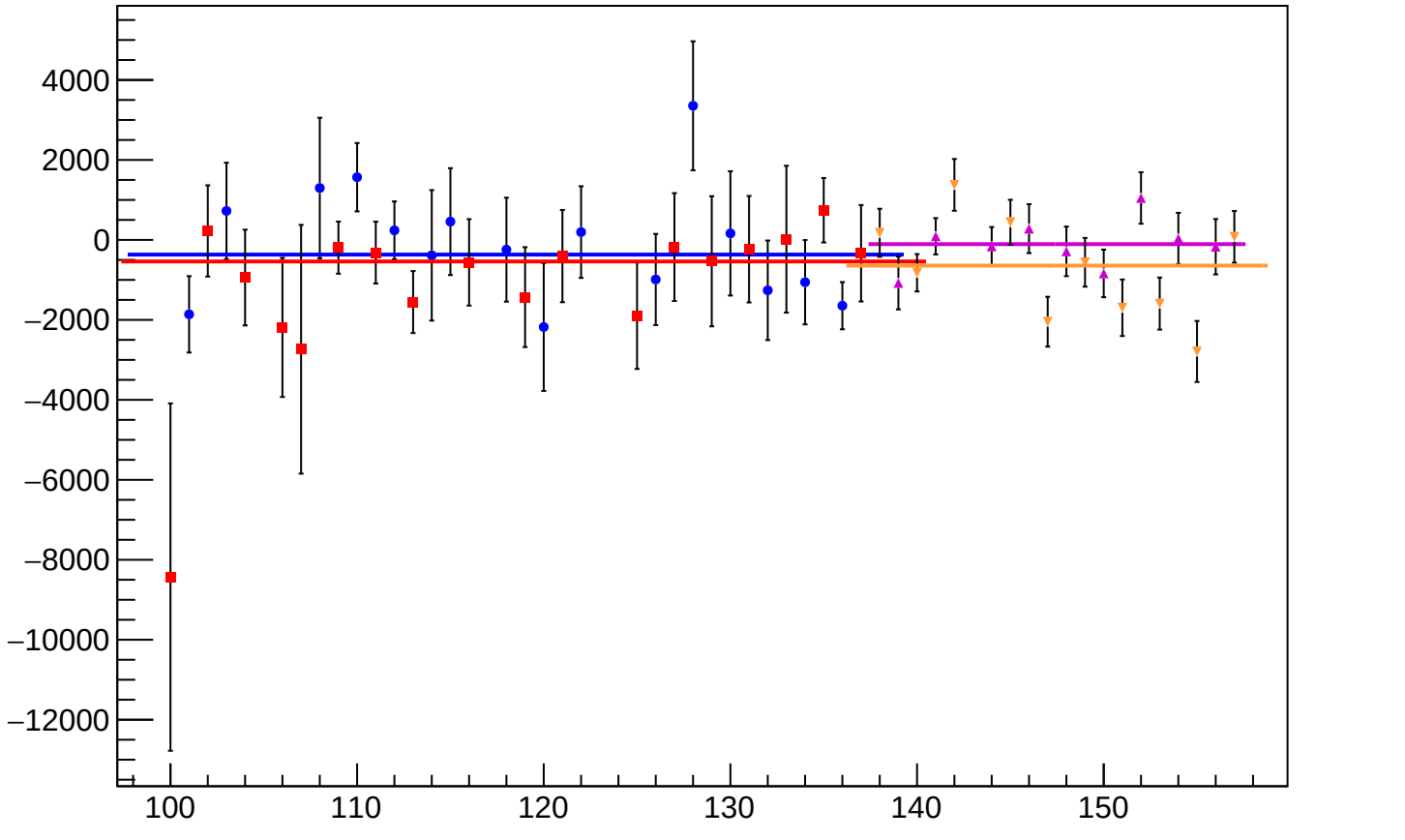
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 777.484+/-0.196 χ^2/NDF:1122.0/8

+ sign 777.991+/-0.141 χ^2/NDF: 13219.5/25

All: 778.772+/-0.100 χ^2/NDF: 22258.9/52

- sign 779.551+/-0.141 χ^2/NDF: 8978.6/26



Right In: -367.008+/-266.698 χ^2/NDF: 23.3/15

Left Out: -642.163+/-193.669 χ^2/NDF:34.1/9

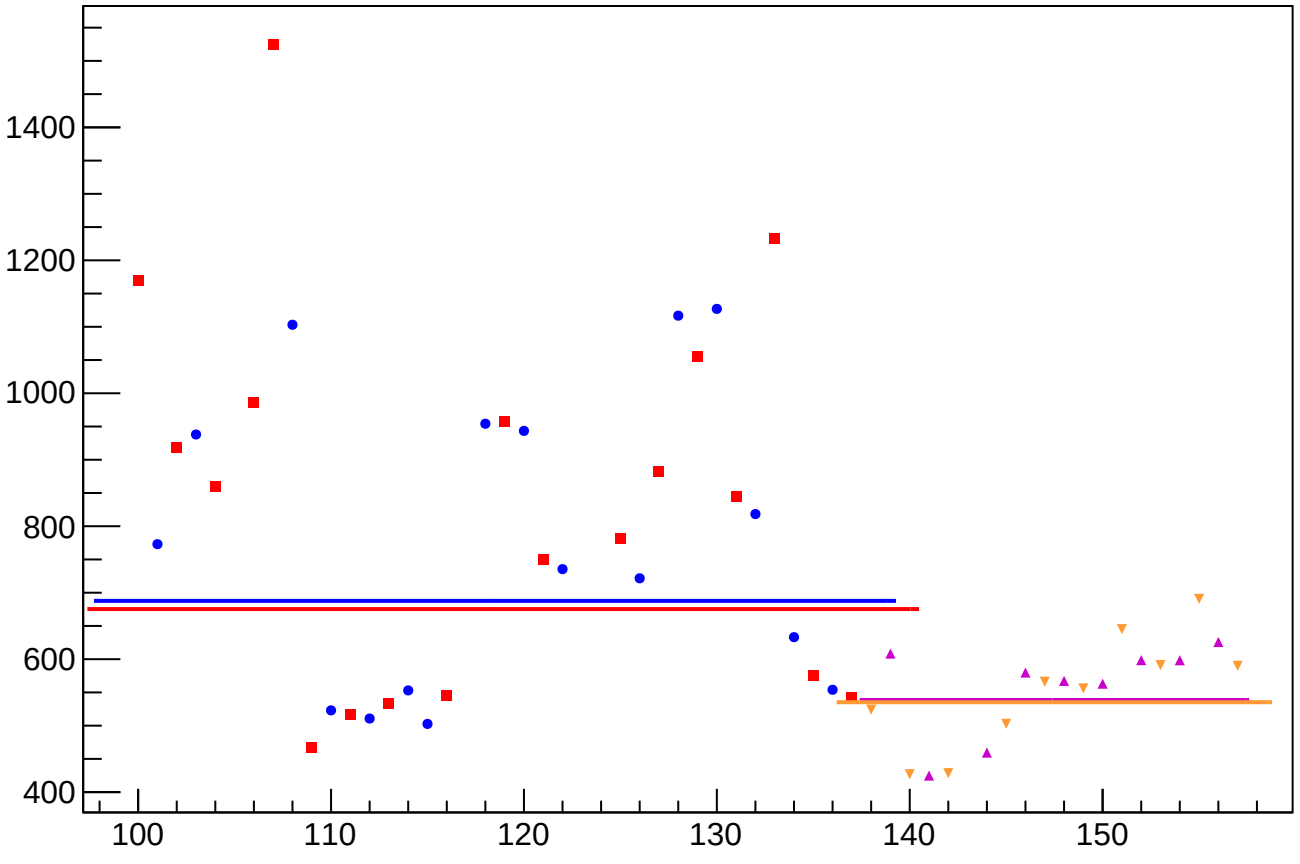
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -106.312+/-194.609 χ^2/NDF:7.6/8

+ sign -547.163+/-156.709 χ^2/NDF: 58.1/25

All: -403.031+/-110.707 χ^2/NDF: 80.8/52

- sign -259.433+/-156.419 χ^2/NDF: 21.0/26



Right In: 687.717+/-0.189 χ^2/NDF: 1031906.6/15

Left Out: 535.283+/-0.137 χ^2/NDF:336974.1/9

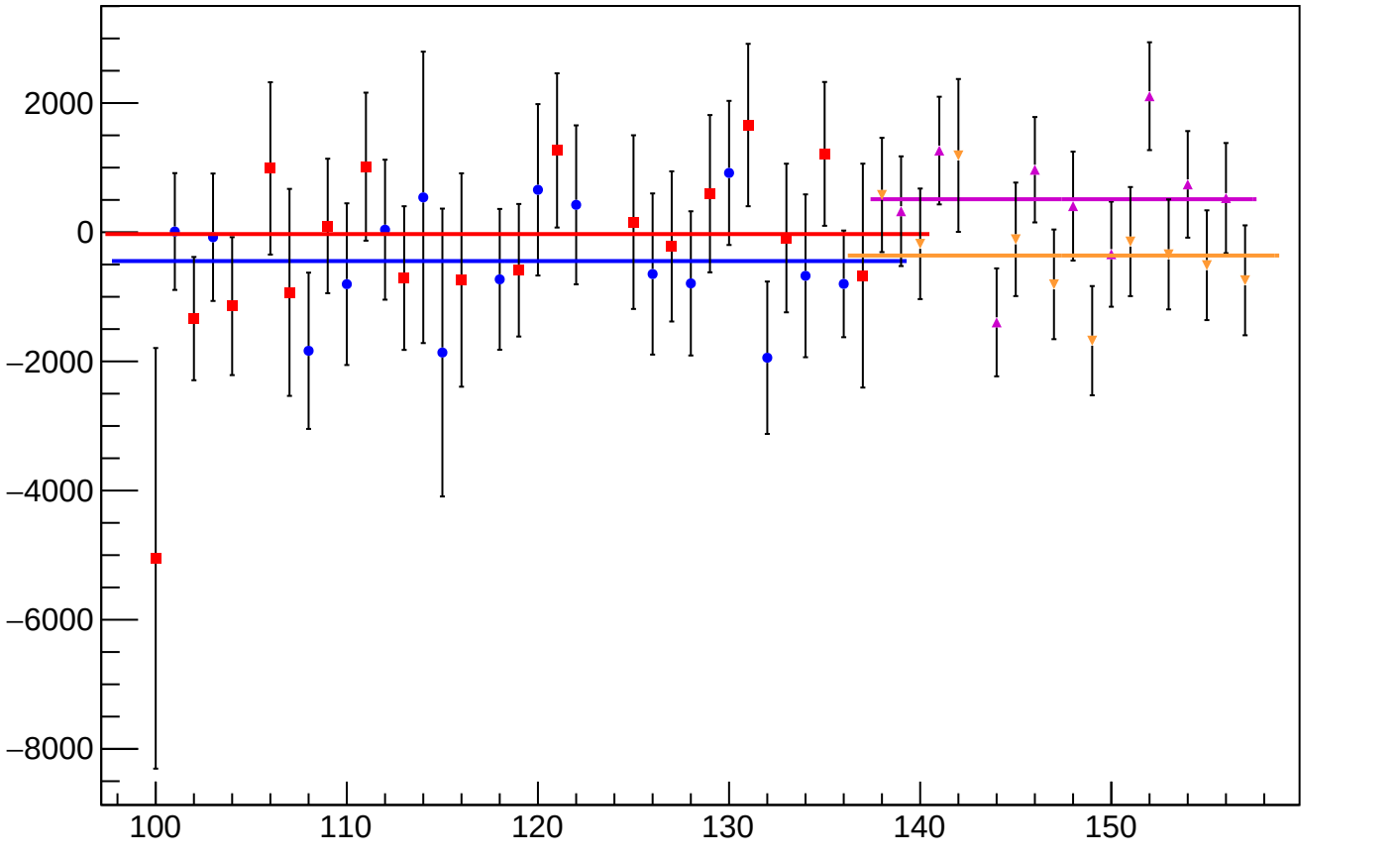
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 538.591+/-0.138 χ^2/NDF:284086.8/8

+ sign 587.912+/-0.111 χ^2/NDF: 1796663.8/25

All: 587.466+/-0.078 χ^2/NDF: 3743704.5/52

- sign 587.021+/-0.111 χ^2/NDF: 1947008.3/26



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -360.795+/-277.524 χ^2/NDF:6.0/9

Right Out: -28.787+/-288.372 χ^2/NDF: 12.6/17

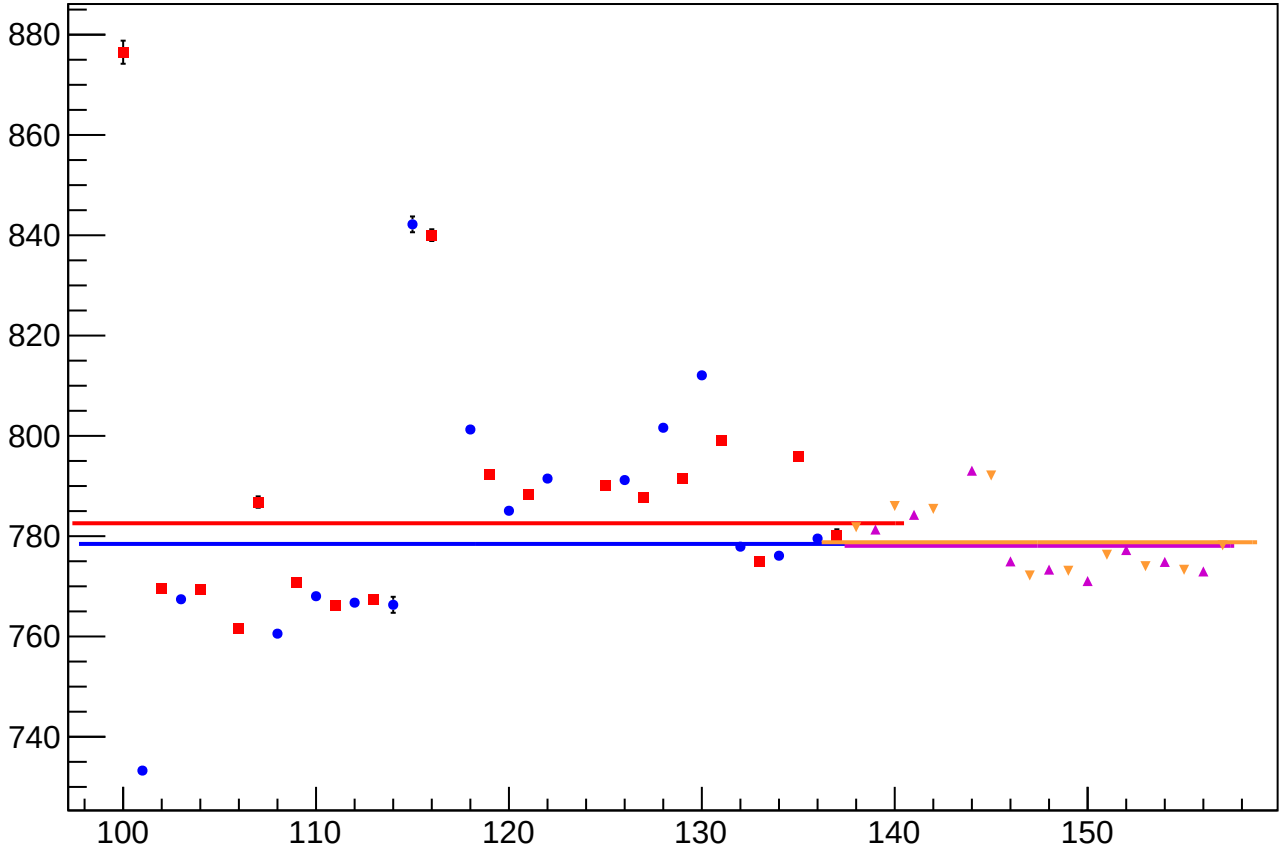
Left In: 510.797+/-277.847 χ^2/NDF:11.2/8

+ sign -401.953+/-200.252 χ^2/NDF: 13.3/25

All: -75.188+/-141.541 χ^2/NDF: 44.3/52

- sign 251.031+/-200.085 χ^2/NDF: 25.7/26

dit_asym_us_dd_rms vs Slug



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

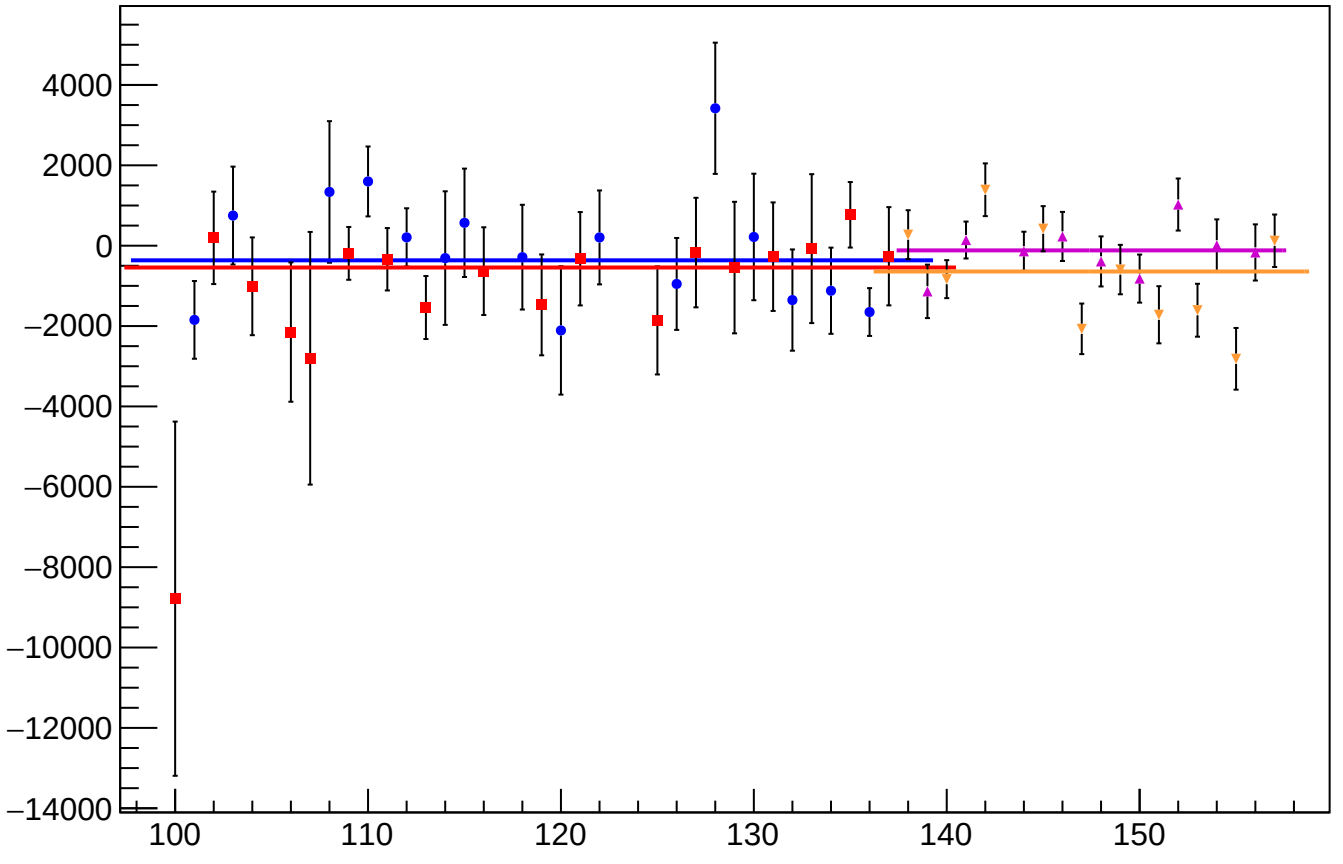
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.078+/-0.196 χ^2/NDF:1126.9/8

+ sign 778.629+/-0.142 χ^2/NDF: 12861.1/25

All: 779.437+/-0.100 χ^2/NDF: 21786.7/52

- sign 780.243+/-0.141 χ^2/NDF: 8860.6/26



Right In: -363.977+/-269.316 χ^2/NDF: 23.3/15

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

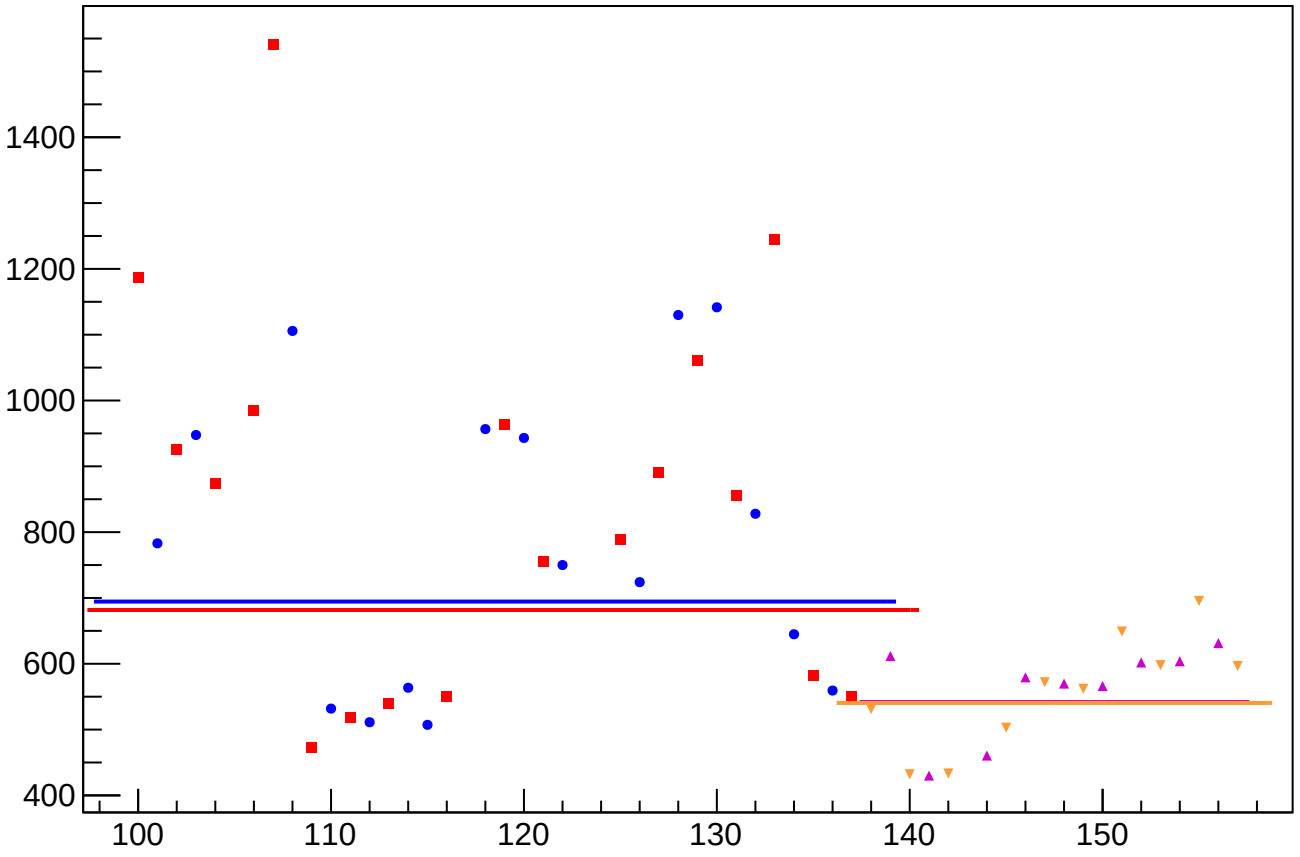
Right Out: -542.879+/-265.273 χ^2/NDF: 11.8/17

Left In: -116.946+/-195.759 χ^2/NDF:7.7/8

+ sign -546.155+/-158.216 χ^2/NDF: 58.6/25

All: -406.016+/-111.626 χ^2/NDF: 81.3/52

- sign -267.118+/-157.513 χ^2/NDF: 21.1/26



Right In: 694.522+/-0.190 χ^2/NDF: 1029884.9/15

Left Out: 540.455+/-0.138 χ^2/NDF:333184.7/9

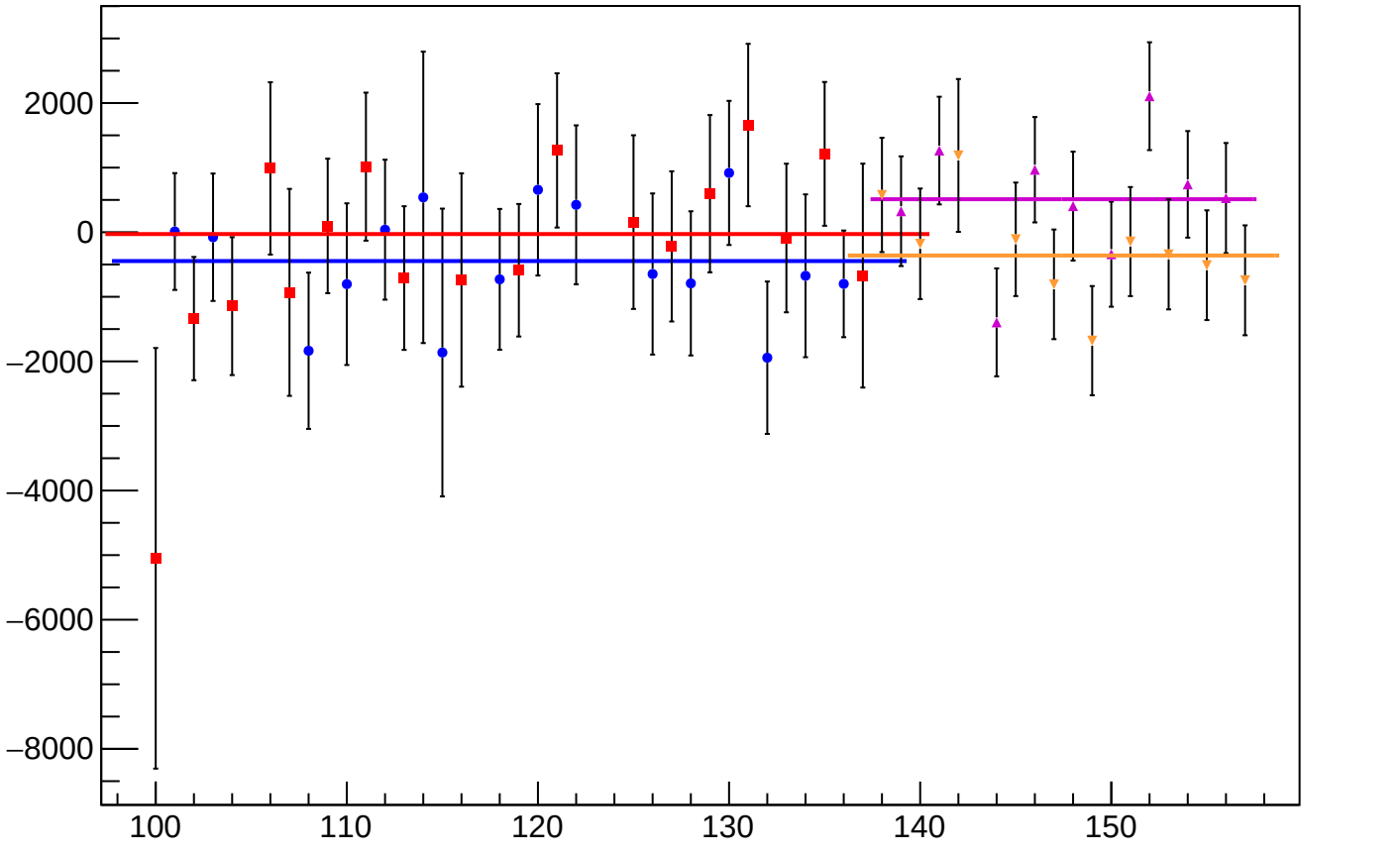
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 541.936+/-0.138 χ^2/NDF:279673.9/8

+ sign 593.628+/-0.112 χ^2/NDF: 1791702.4/25

All: 592.423+/-0.079 χ^2/NDF: 3742592.1/52

- sign 591.228+/-0.111 χ^2/NDF: 1950658.7/26



Right In: -446.659+/-289.238 χ^2/NDF: 7.3/15

Left Out: -360.797+/-277.524 χ^2/NDF:6.0/9

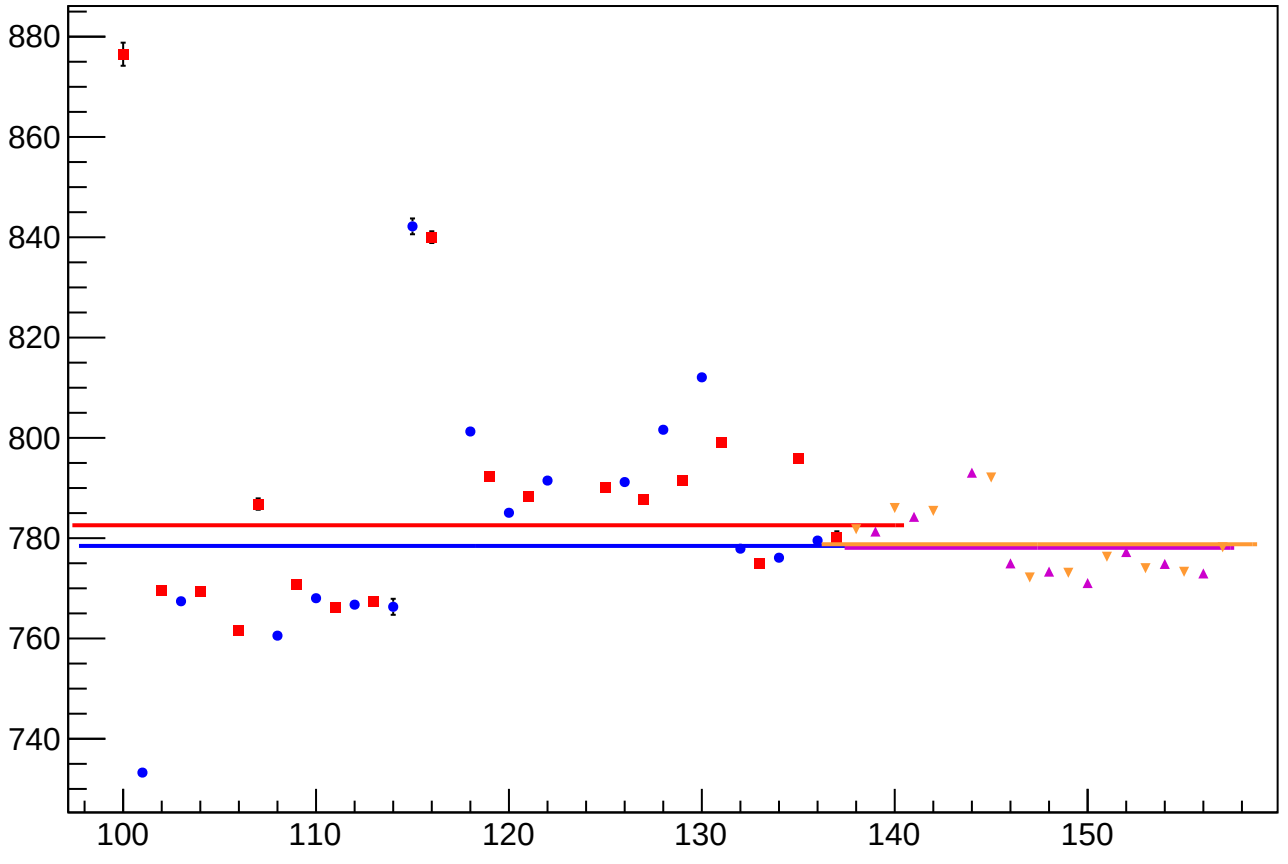
Right Out: -28.786+/-288.372 χ^2/NDF: 12.6/17

Left In: 510.797+/-277.847 χ^2/NDF:11.2/8

+ sign -401.954+/-200.252 χ^2/NDF: 13.3/25

All: -75.188+/-141.541 χ^2/NDF: 44.3/52

- sign 251.032+/-200.085 χ^2/NDF: 25.7/26



Right In: 778.456+/-0.205 χ^2/NDF: 11795.2/15

Left Out: 778.788+/-0.196 χ^2/NDF:1064.6/9

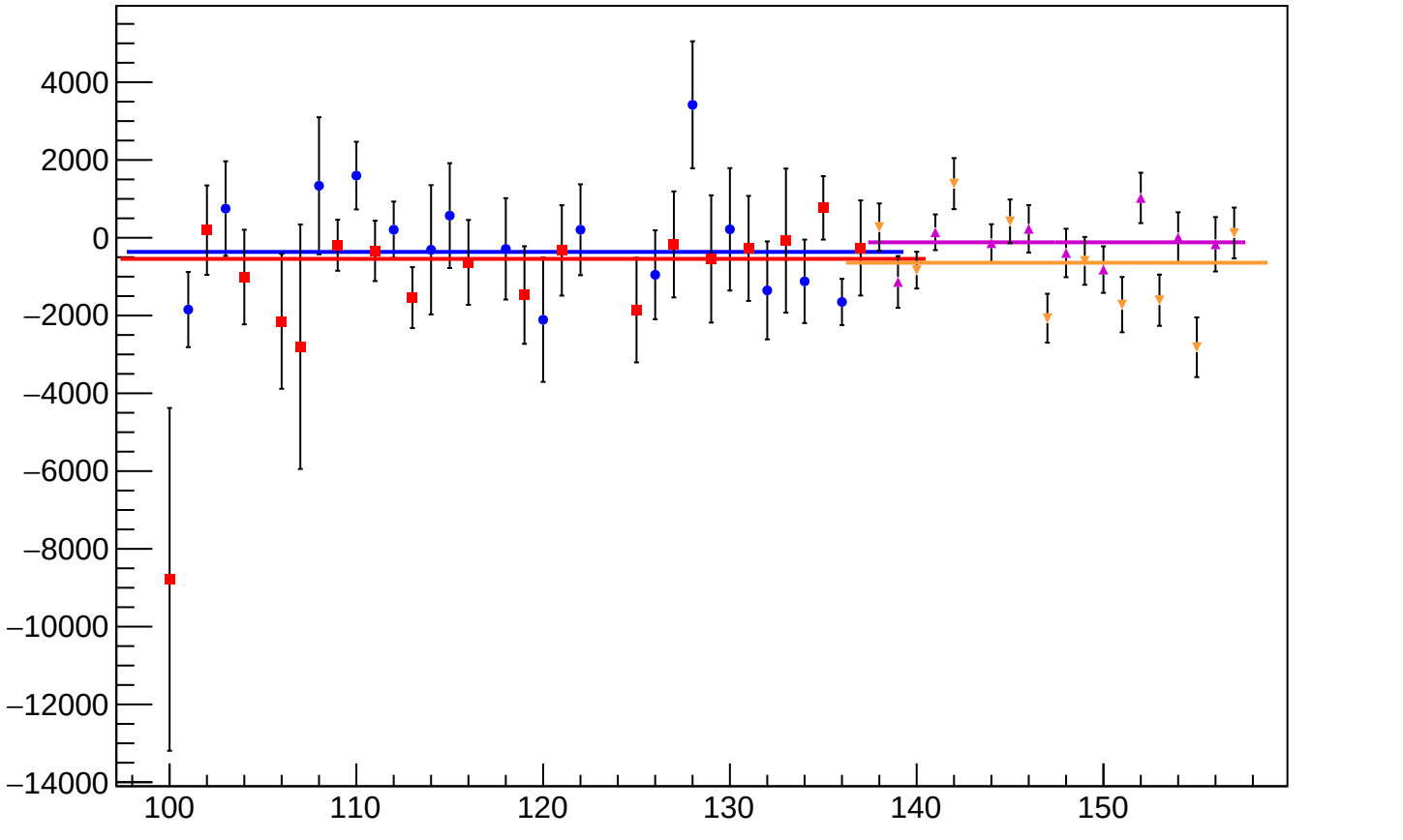
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.078+/-0.196 χ^2/NDF:1126.9/8

+ sign 778.629+/-0.142 χ^2/NDF: 12861.1/25

All: 779.437+/-0.100 χ^2/NDF: 21786.7/52

- sign 780.243+/-0.141 χ^2/NDF: 8860.5/26



Right In: -363.973+/-269.314 χ^2/NDF: 23.3/15

Left Out: -642.164+/-195.510 χ^2/NDF:34.6/9

Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

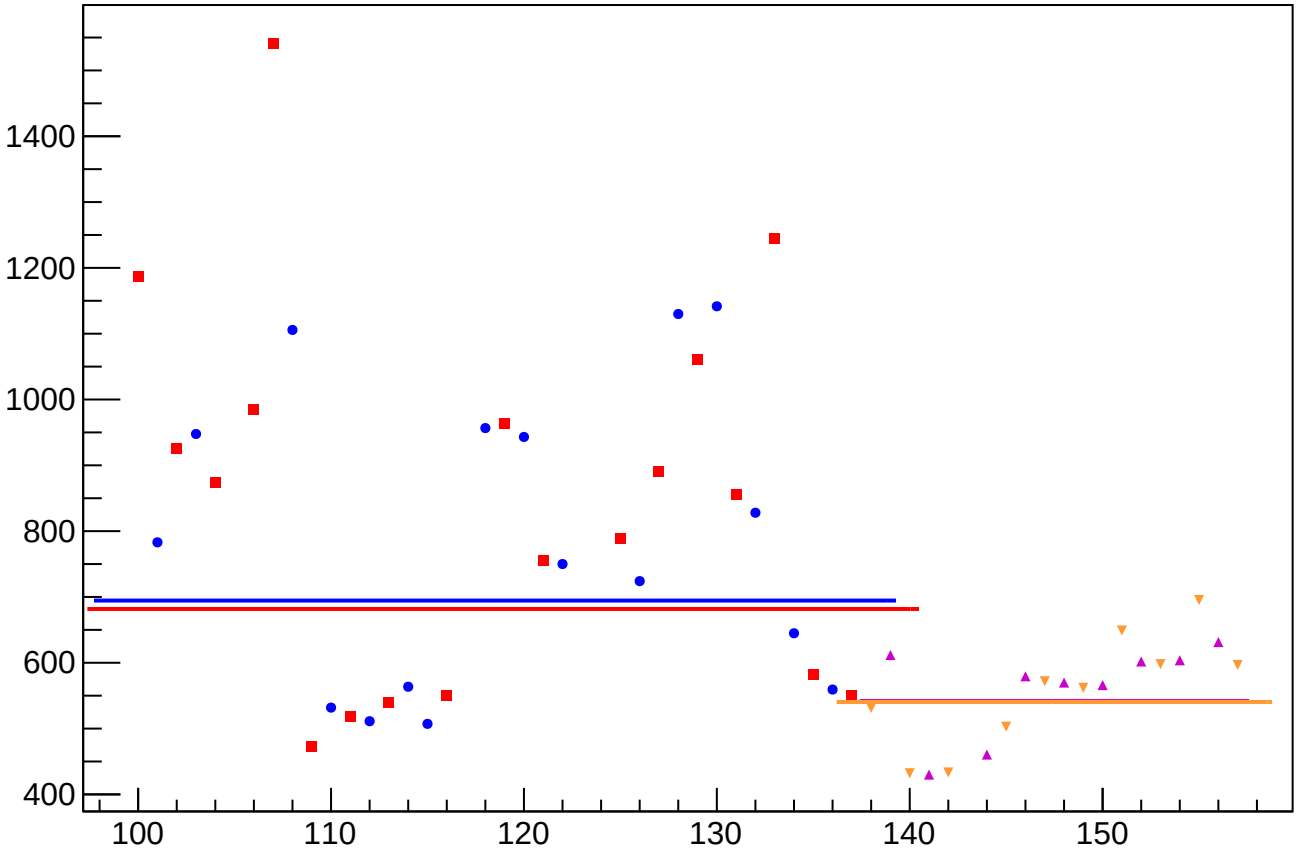
Left In: -116.946+/-195.759 χ^2/NDF:7.7/8

\+ sign -546.153+/-158.215 χ^2/NDF: 58.6/25

All: -406.015+/-111.626 χ^2/NDF: 81.3/52

\- sign -267.118+/-157.513 χ^2/NDF: 21.1/26

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 694.519+/-0.190 χ^2/NDF: 1029897.1/15

Left Out: 540.455+/-0.138 χ^2/NDF:333197.5/9

Right Out: 681.740+/-0.188 χ^2/NDF: 1311342.6/17

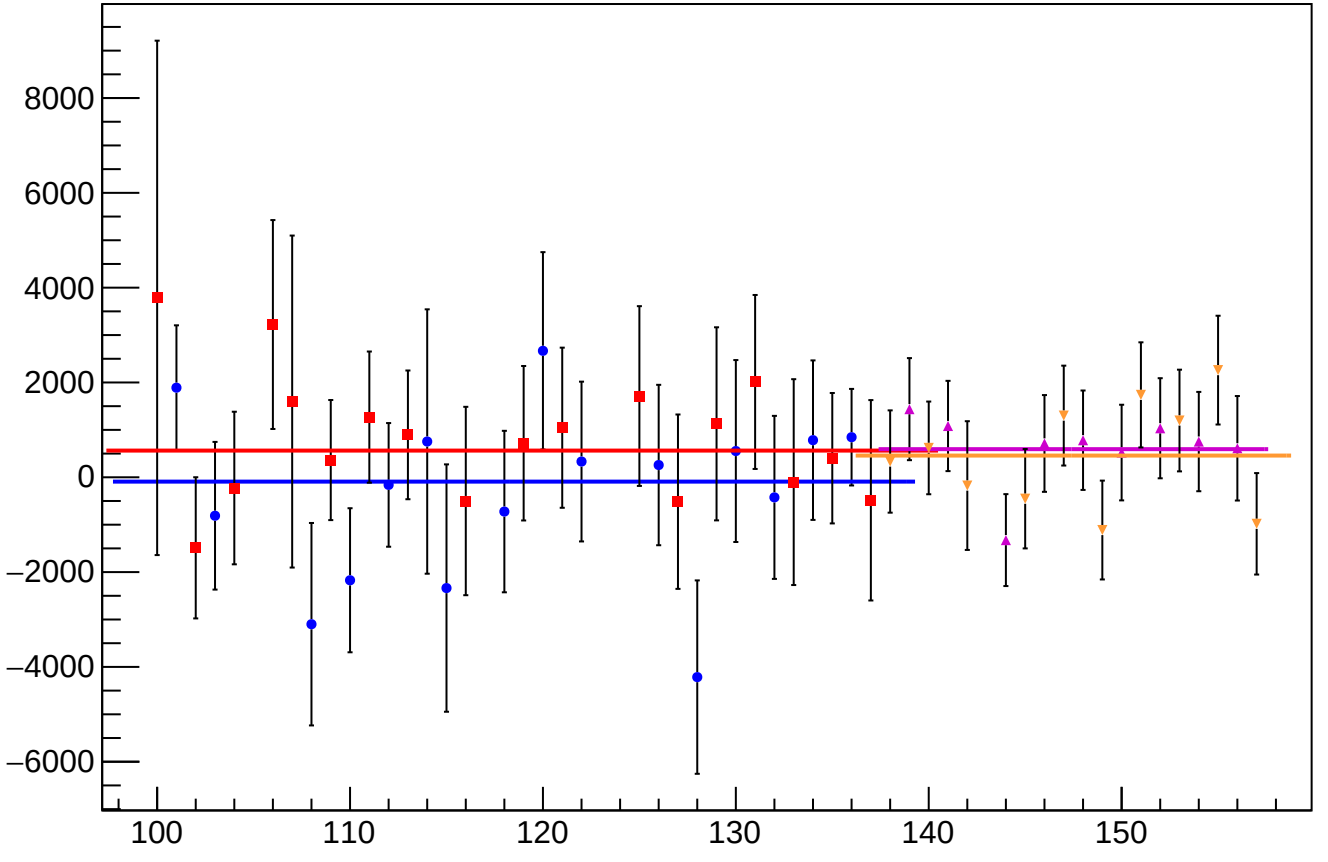
Left In: 541.937+/-0.138 χ^2/NDF:279686.3/8

+ sign 593.627+/-0.112 χ^2/NDF: 1791709.0/25

All: 592.422+/-0.079 χ^2/NDF: 3742614.5/52

- sign 591.228+/-0.111 χ^2/NDF: 1950674.6/26

asym_us_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 458.209+/-343.112 χ^2/NDF:10.0/9

Right Out: 563.292+/-411.565 χ^2/NDF: 6.5/17

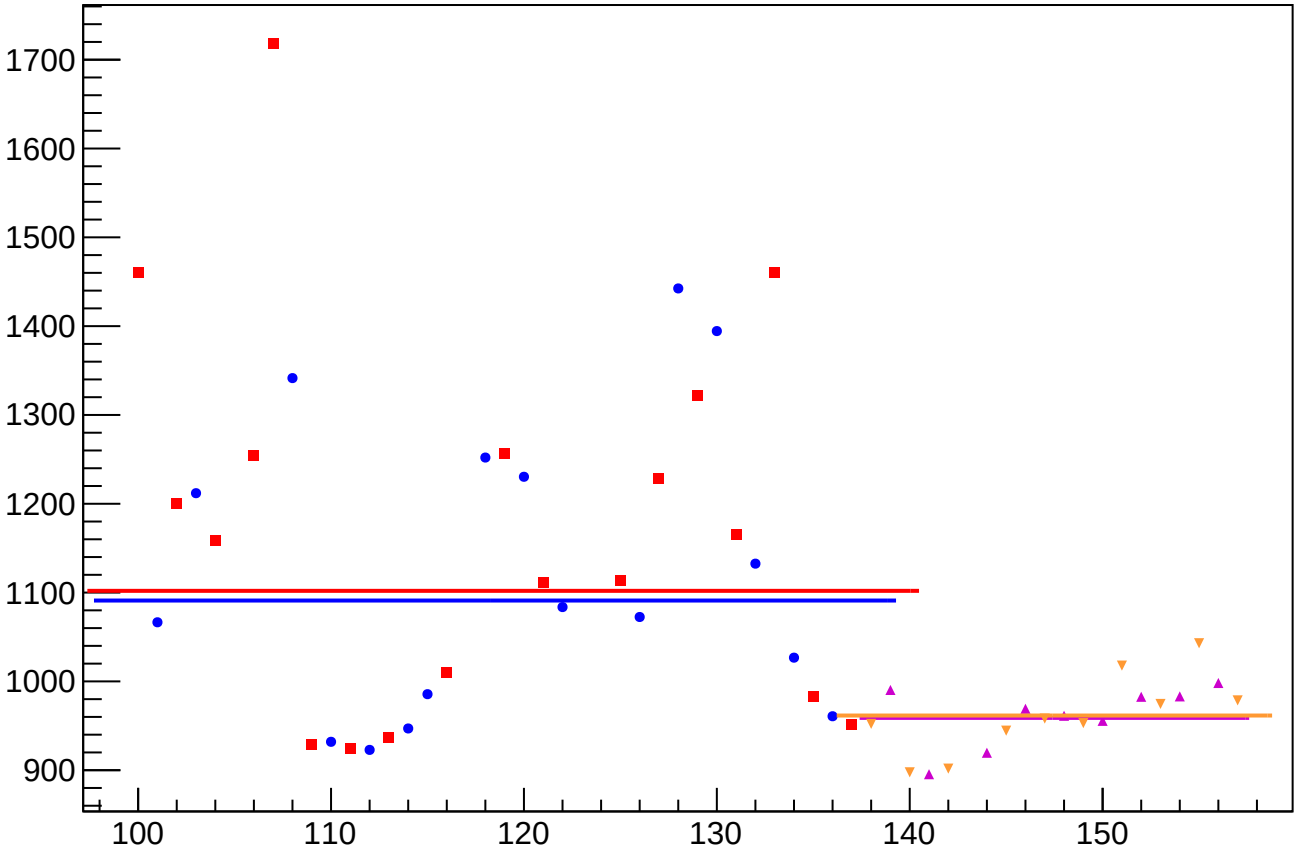
Left In: 593.346+/-342.716 χ^2/NDF:5.0/8

\+ sign 231.847+/-263.118 χ^2/NDF: 25.6/25

All: 406.281+/-186.139 χ^2/NDF: 38.0/52

\- sign 581.039+/-263.362 χ^2/NDF: 11.6/26

asym_us_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 961.565+/-0.243 χ^2/NDF:29277.0/9

Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

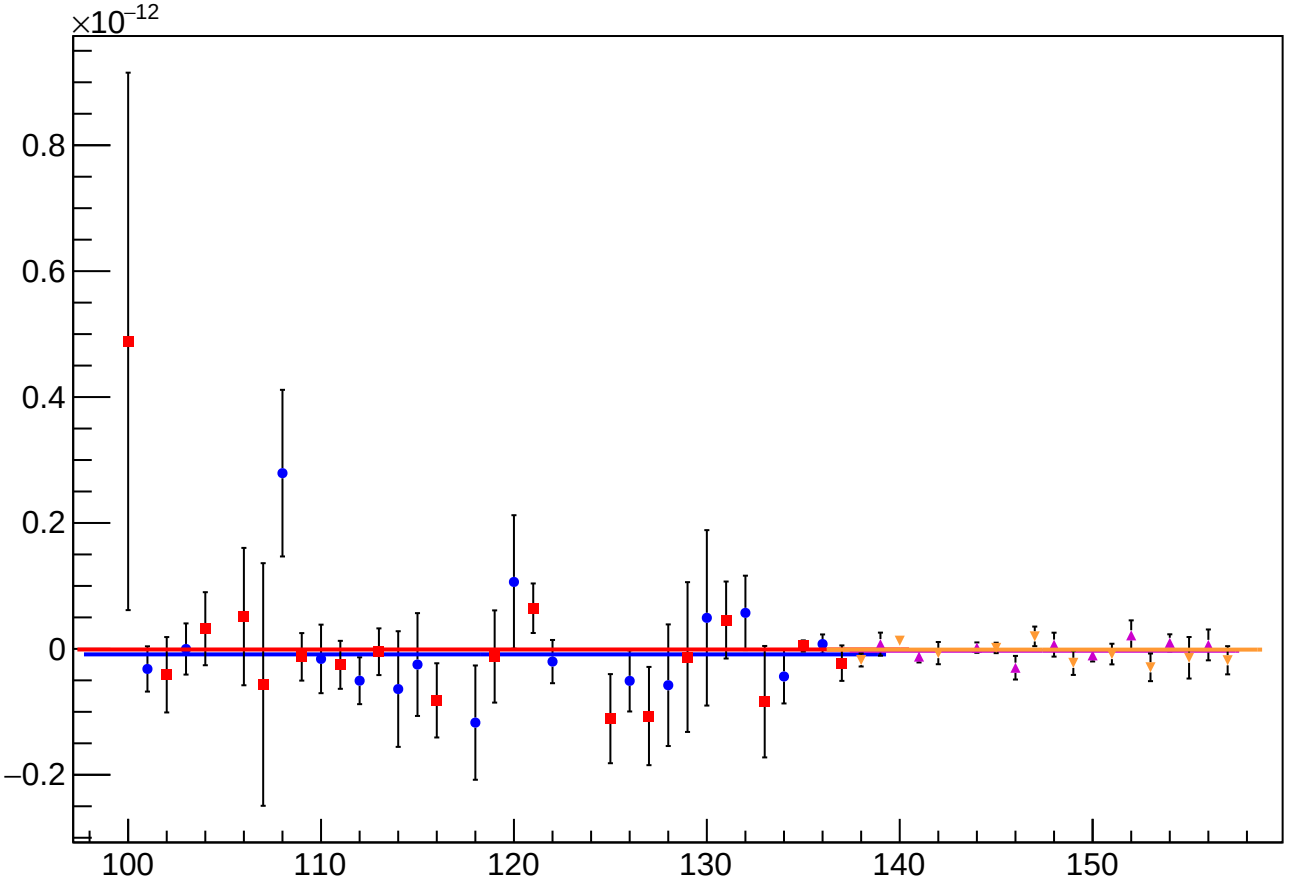
Left In: 958.903+/-0.242 χ^2/NDF:18718.3/8

+ sign 1014.900+/-0.186 χ^2/NDF: 423899.6/25

All: 1016.188+/-0.132 χ^2/NDF: 913501.5/52

- sign 1017.479+/-0.186 χ^2/NDF: 489506.0/26

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/9

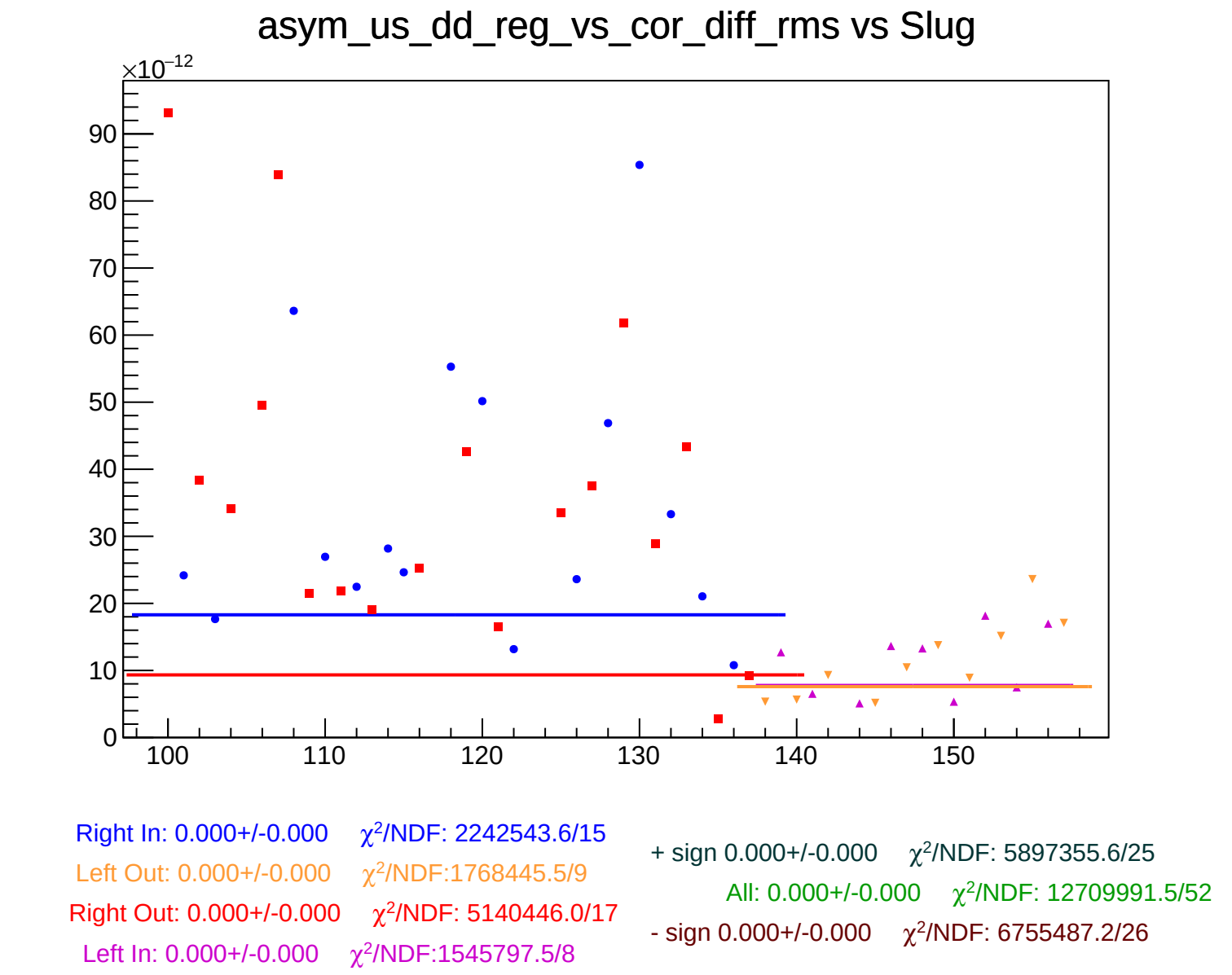
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

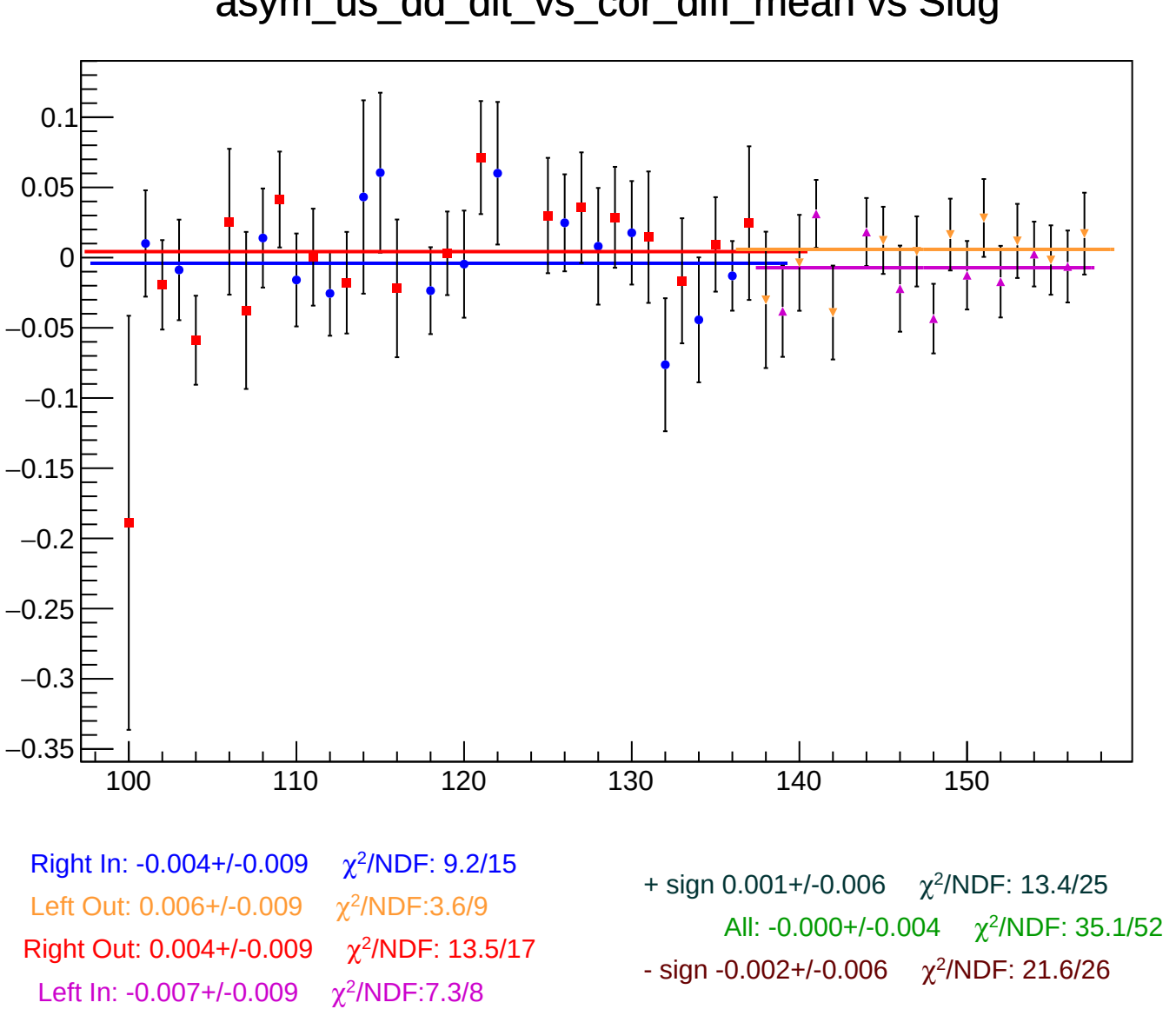
Left In: -0.000+/-0.000 χ^2/NDF:6.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/25

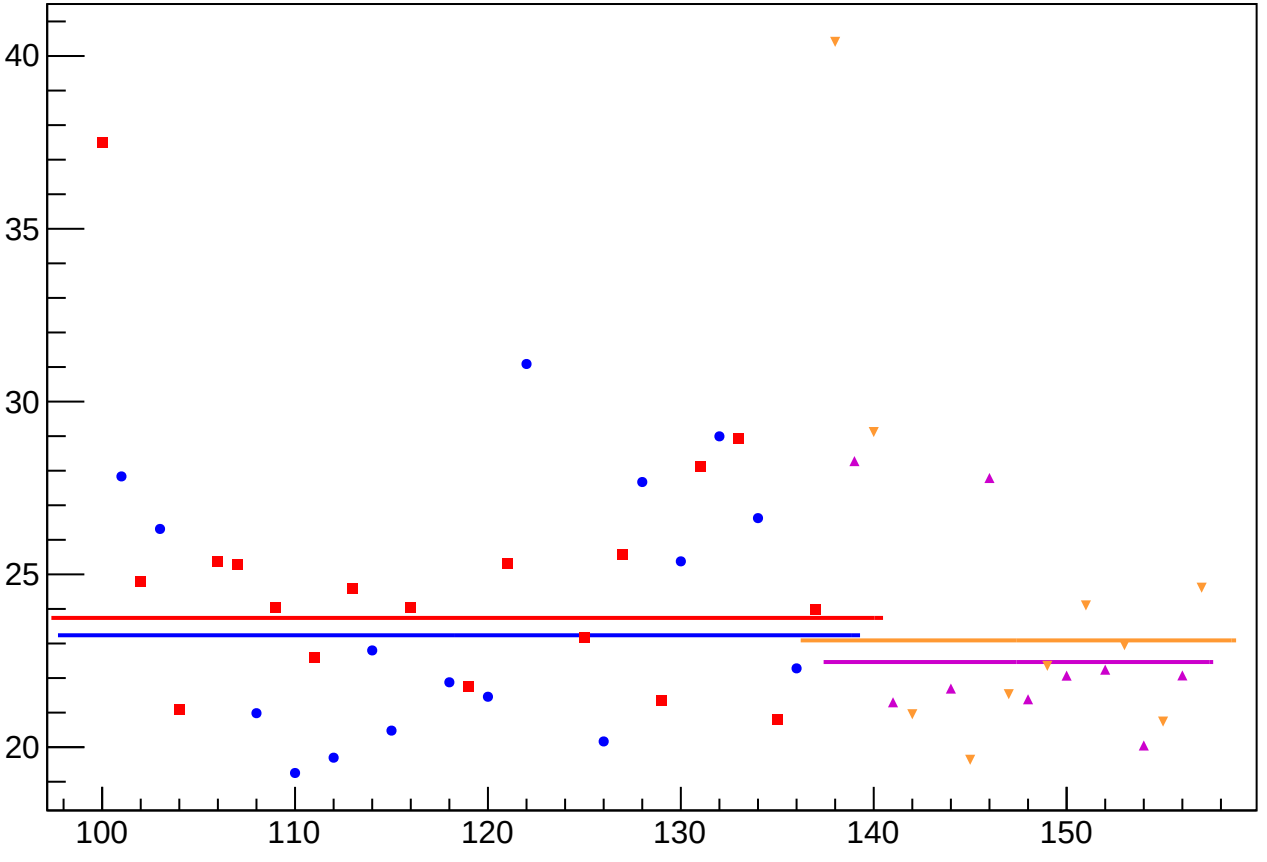
All: -0.000+/-0.000 χ^2/NDF: 47.0/52

- sign -0.000+/-0.000 χ^2/NDF: 21.0/26


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1768445.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1545797.5/8
+ sign 0.000+/-0.000 χ²/NDF: 5897355.6/25
All: 0.000+/-0.000 χ²/NDF: 12709991.5/52
- sign 0.000+/-0.000 χ²/NDF: 6755487.2/26


asym_us_dd_dit_vs_cor_diff_mean vs Slug
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
100
110
120
130
140
150
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.006+/-0.009 χ²/NDF:3.6/9
Right Out: 0.004+/-0.009 χ²/NDF: 13.5/17
Left In: -0.007+/-0.009 χ²/NDF:7.3/8
+ sign 0.001+/-0.006 χ²/NDF: 13.4/25
All: -0.000+/-0.004 χ²/NDF: 35.1/52
- sign -0.002+/-0.006 χ²/NDF: 21.6/26

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

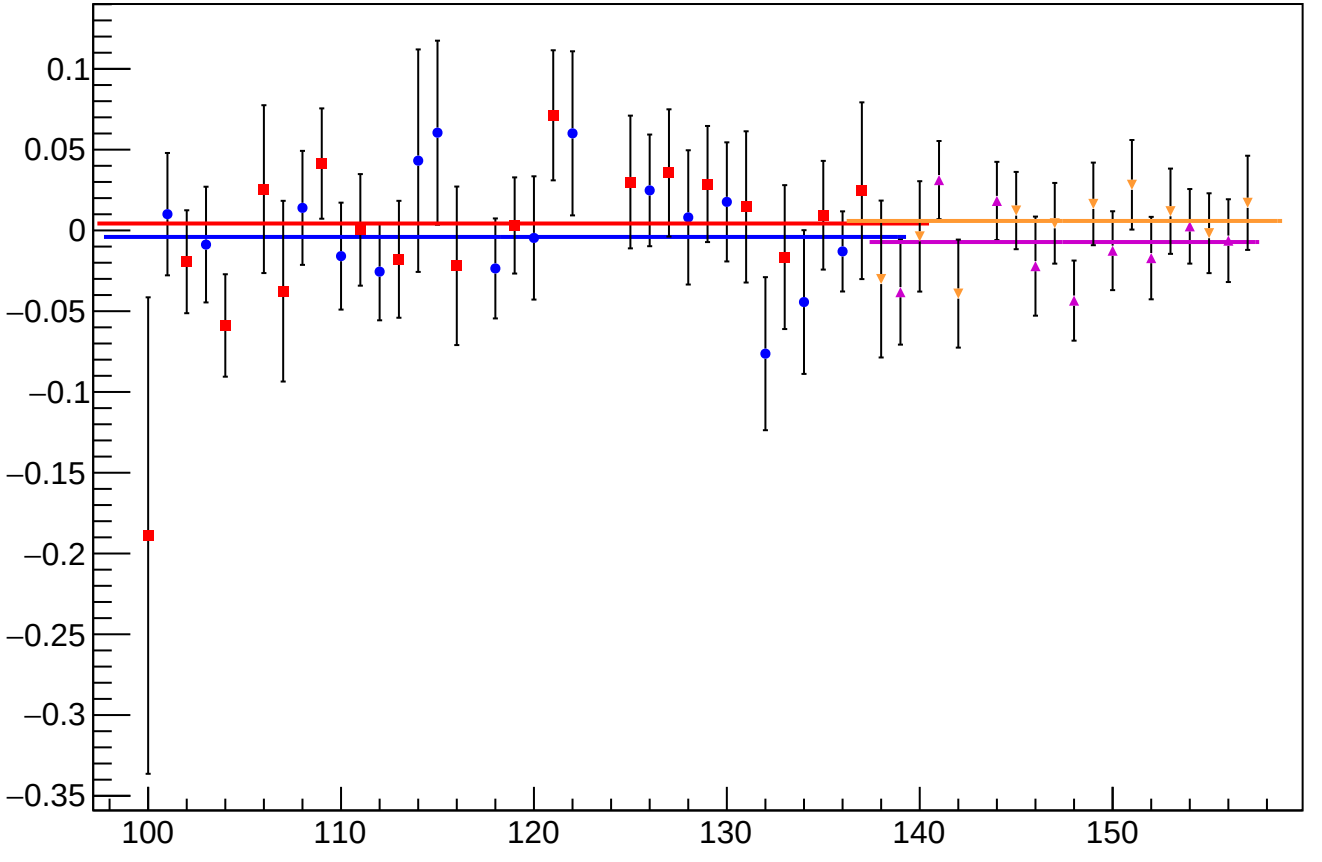
Left In: 22.464+/-0.006 χ^2/NDF:157819.7/8

+ sign 23.161+/-0.005 χ^2/NDF: 661771.9/25

All: 23.103+/-0.003 χ^2/NDF: 966473.6/52

- sign 23.048+/-0.004 χ^2/NDF: 304384.4/26

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

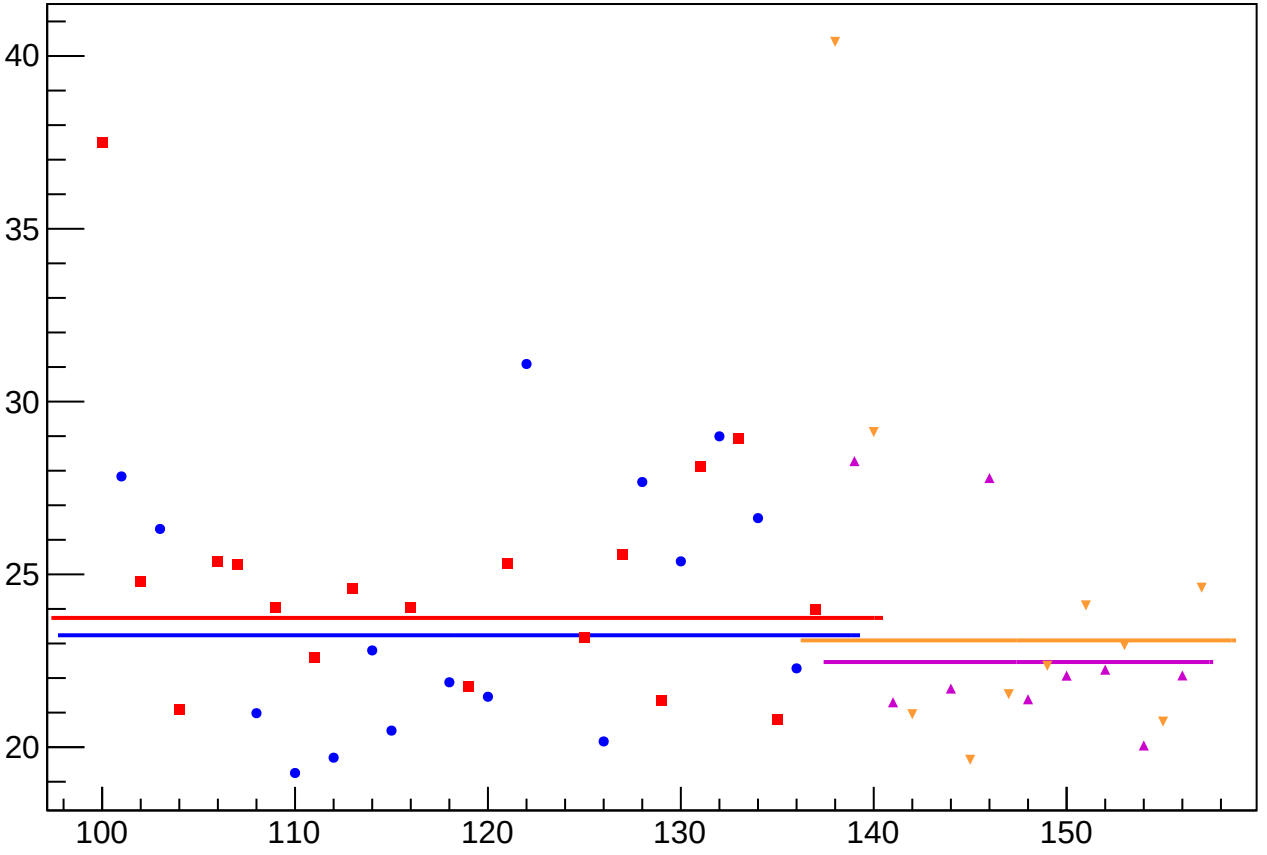
Left In: -0.007+/-0.009 χ^2/NDF:7.3/8

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: -0.000+/-0.004 χ^2/NDF: 35.1/52

- sign -0.002+/-0.006 χ^2/NDF: 21.6/26

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.238+/-0.007 χ^2/NDF: 259235.5/15

Left Out: 23.090+/-0.006 χ^2/NDF:402270.2/9

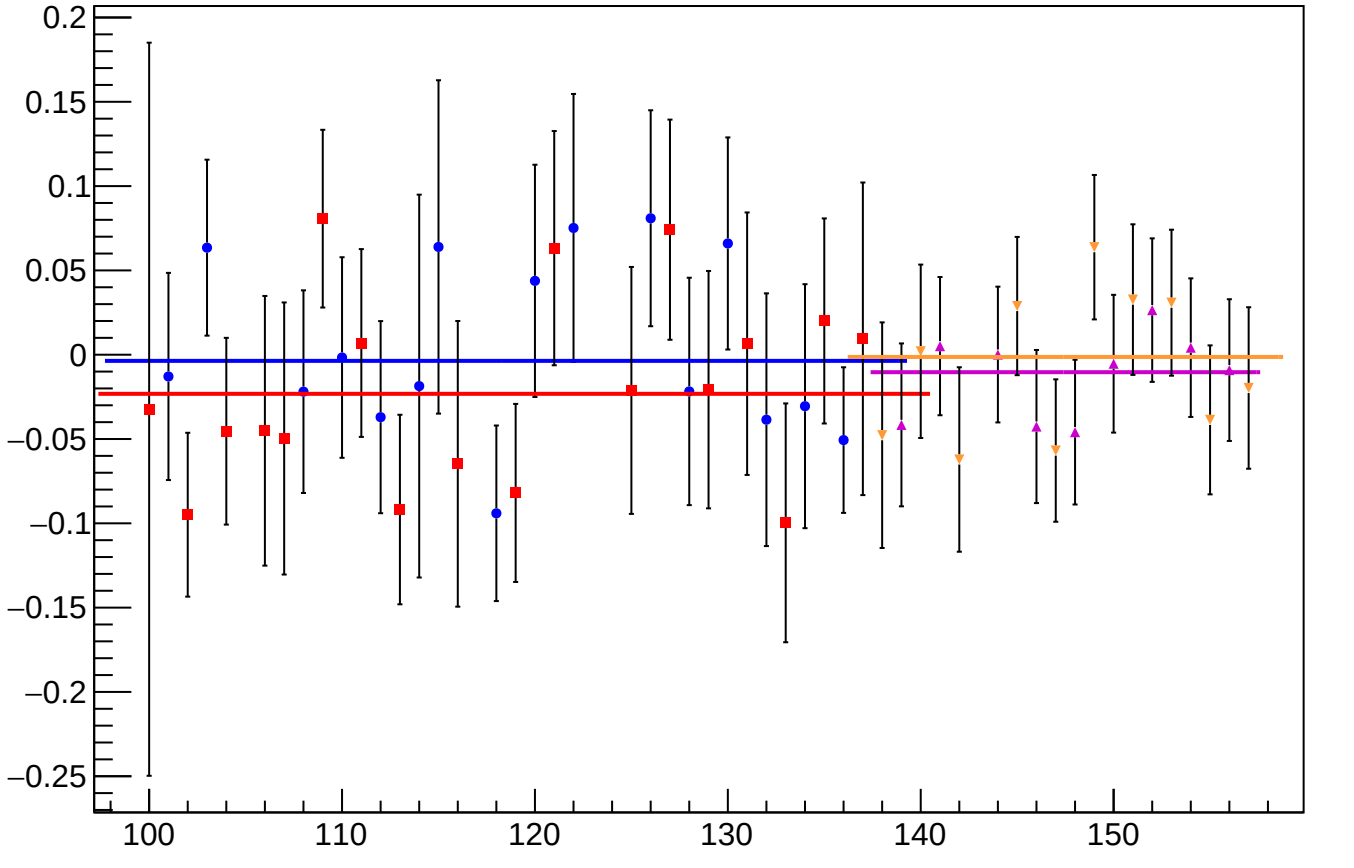
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.464+/-0.006 χ^2/NDF:157819.7/8

+ sign 23.161+/-0.005 χ^2/NDF: 661771.9/25

All: 23.103+/-0.003 χ^2/NDF: 966473.6/52

- sign 23.048+/-0.004 χ^2/NDF: 304384.4/26



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

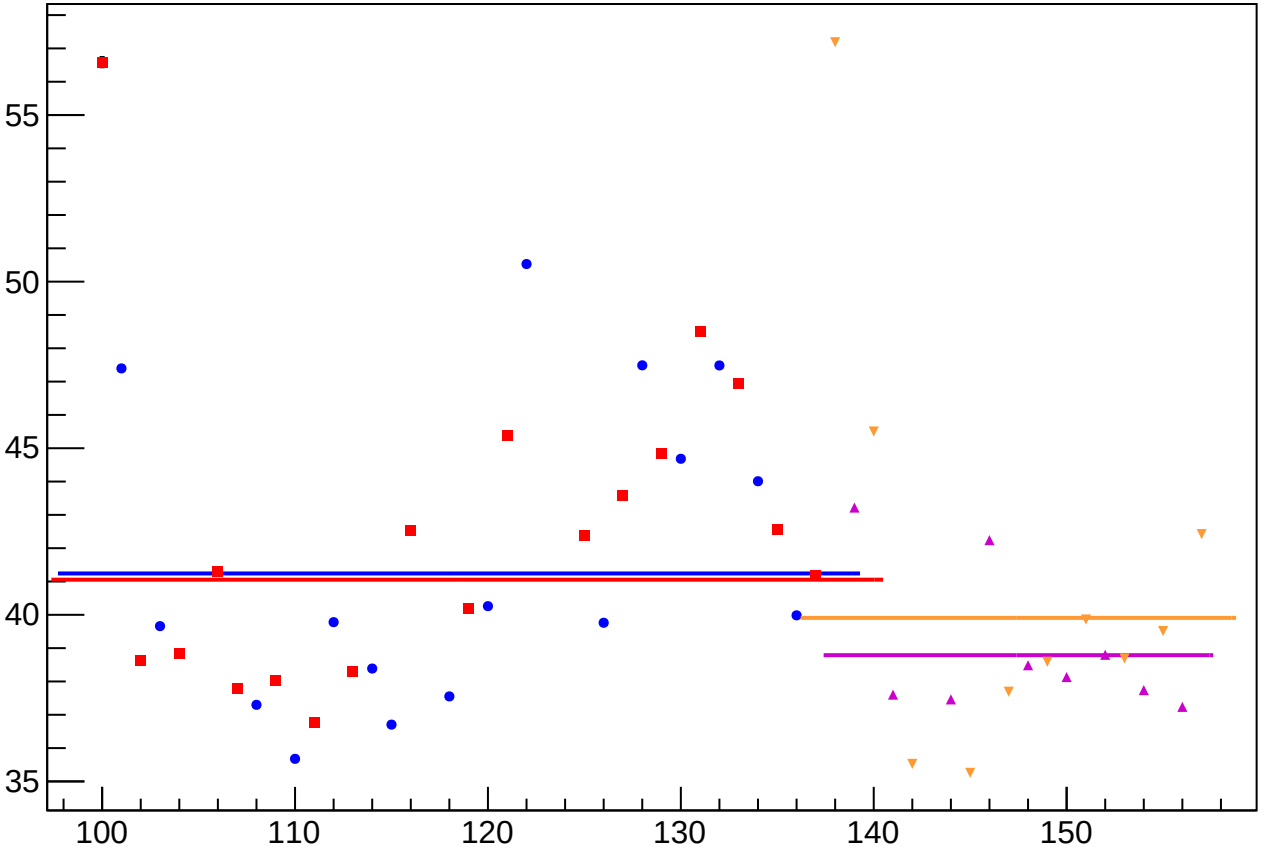
Left In: -0.010+/-0.014 χ^2/NDF:2.7/8

+ sign -0.002+/-0.011 χ^2/NDF: 20.0/25

All: -0.009+/-0.007 χ^2/NDF: 39.3/52

- sign -0.016+/-0.010 χ^2/NDF: 18.5/26

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242+/-0.011 χ^2/NDF: 135279.1/15

Left Out: 39.909+/-0.010 χ^2/NDF:210250.2/9

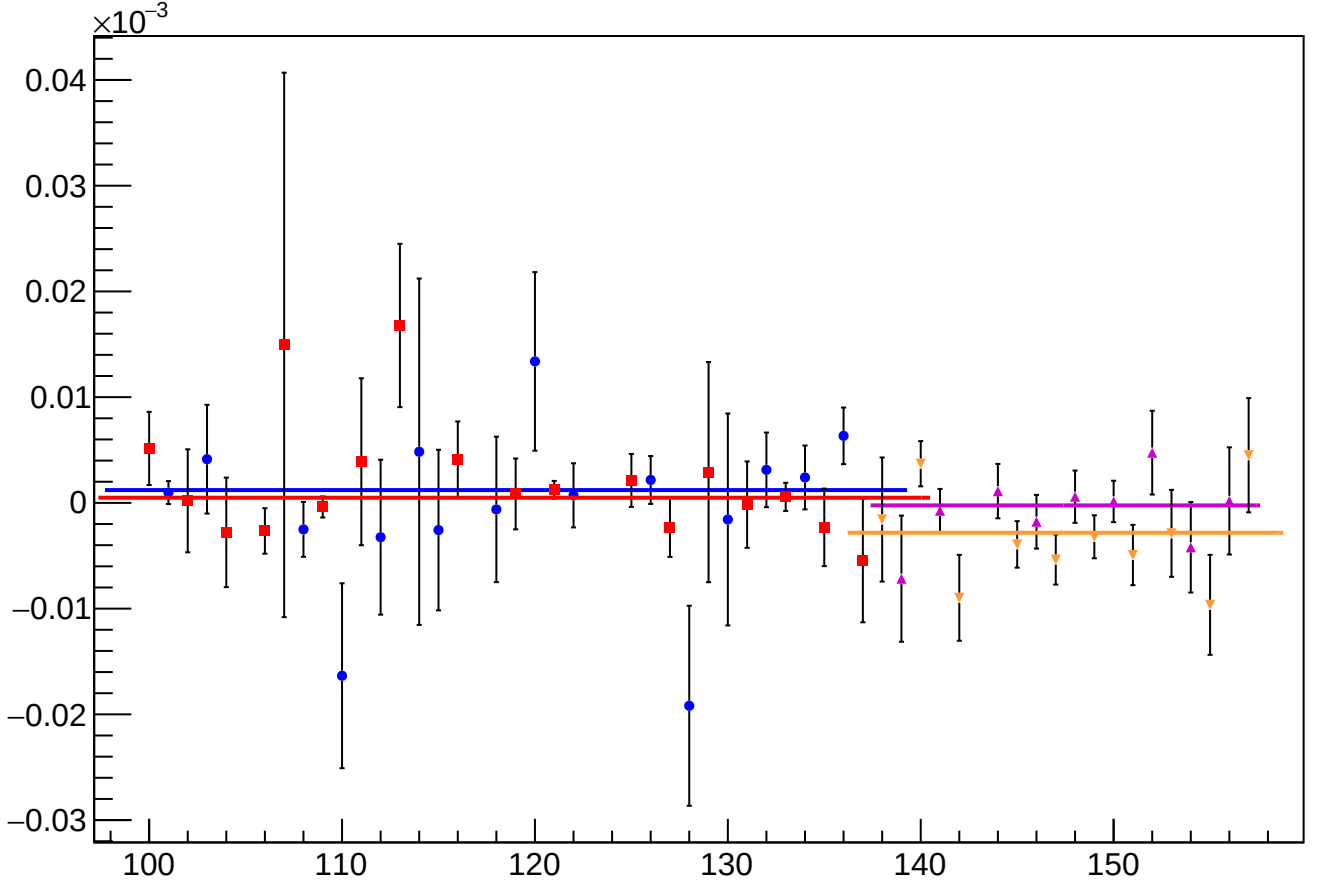
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.789+/-0.010 χ^2/NDF:36872.2/8

+ sign 40.531+/-0.008 χ^2/NDF: 353185.7/25

All: 40.166+/-0.005 χ^2/NDF: 514362.0/52

- sign 39.820+/-0.007 χ^2/NDF: 156693.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

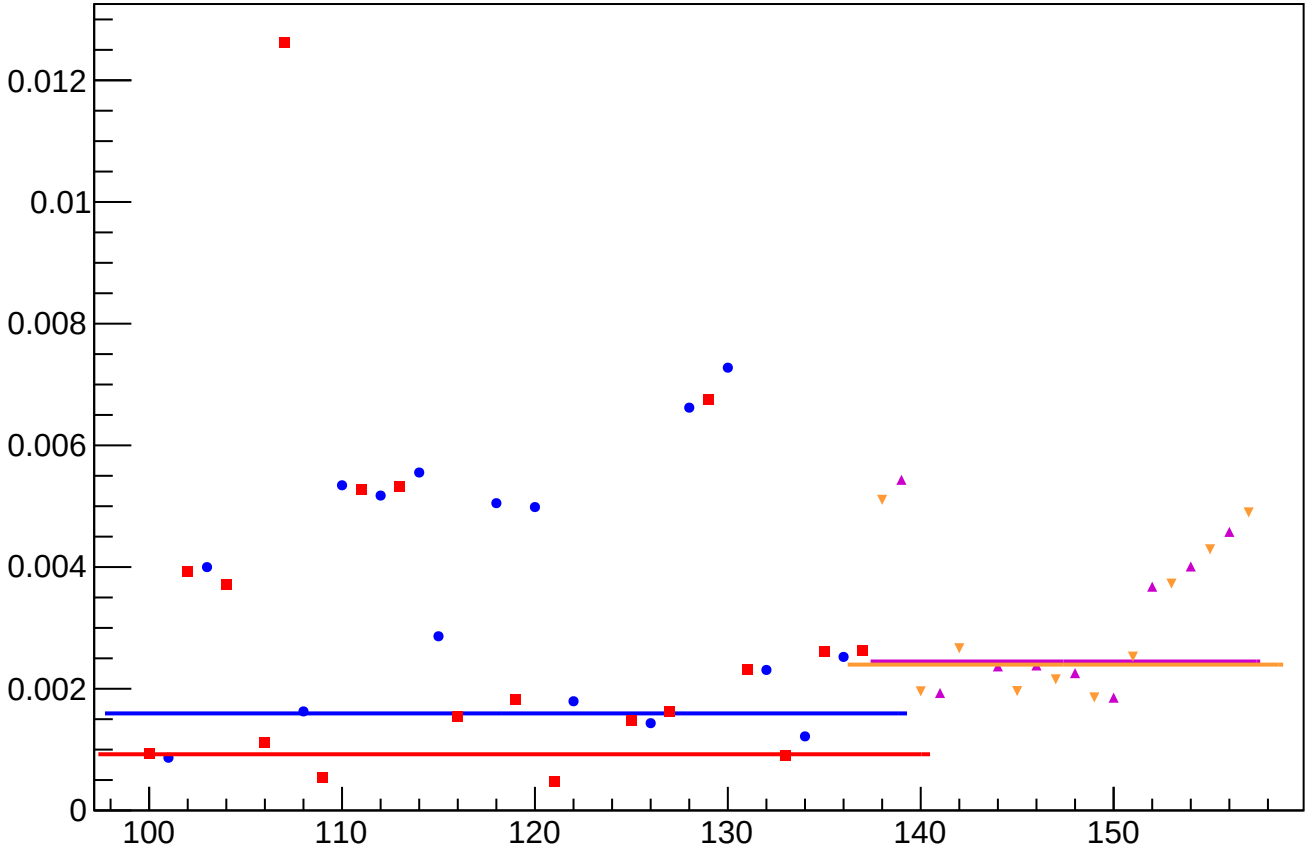
Left In: -0.000+/-0.000 χ^2/NDF:4.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/25

All: 0.000+/-0.000 χ^2/NDF: 68.6/52

- sign 0.000+/-0.000 χ^2/NDF: 20.1/26

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4762068.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1722599.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

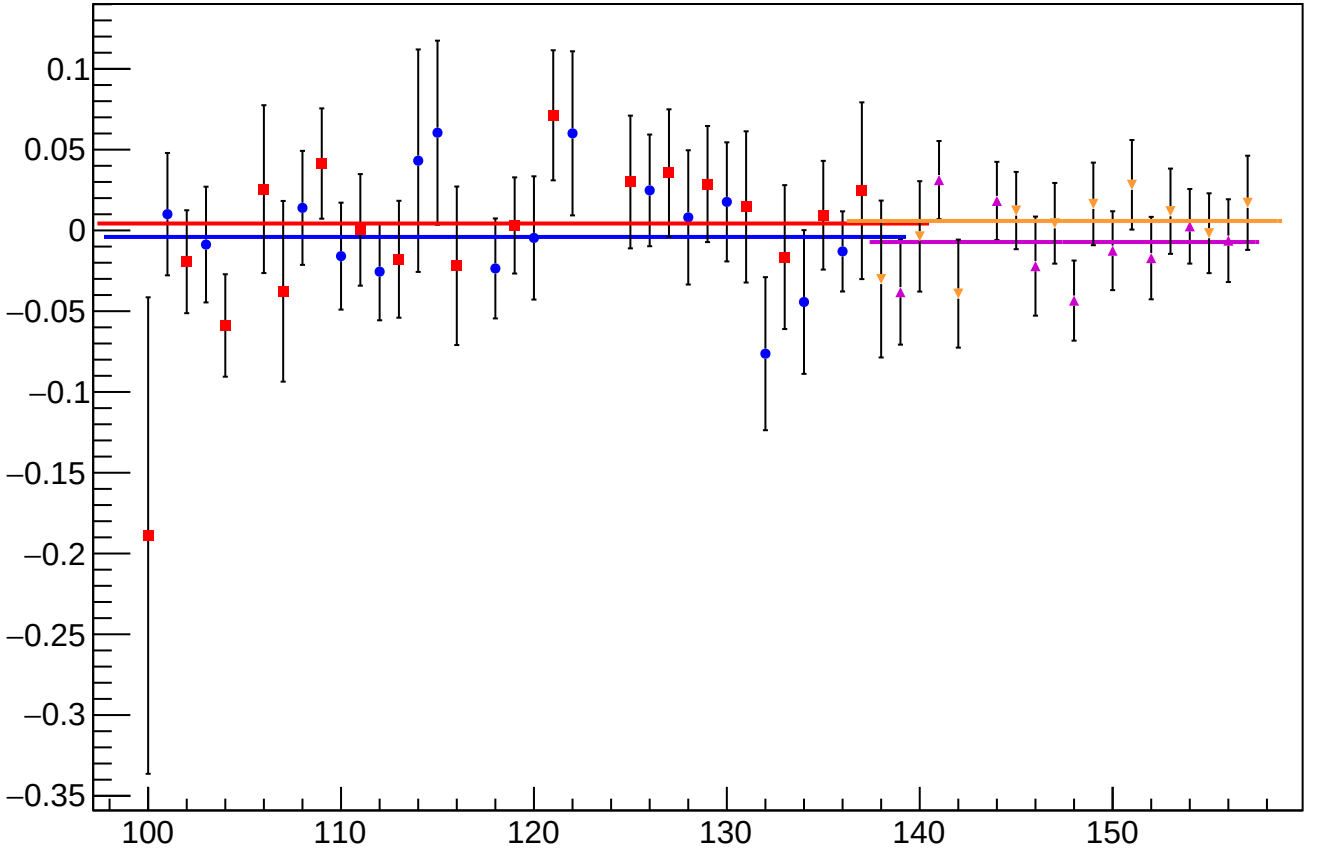
Left In: 0.002+/-0.000 χ^2/NDF:1639603.3/8

+ sign 0.002+/-0.000 χ^2/NDF: 7404397.9/25

All: 0.002+/-0.000 χ^2/NDF: 20620592.5/52

- sign 0.001+/-0.000 χ^2/NDF: 11587613.8/26

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

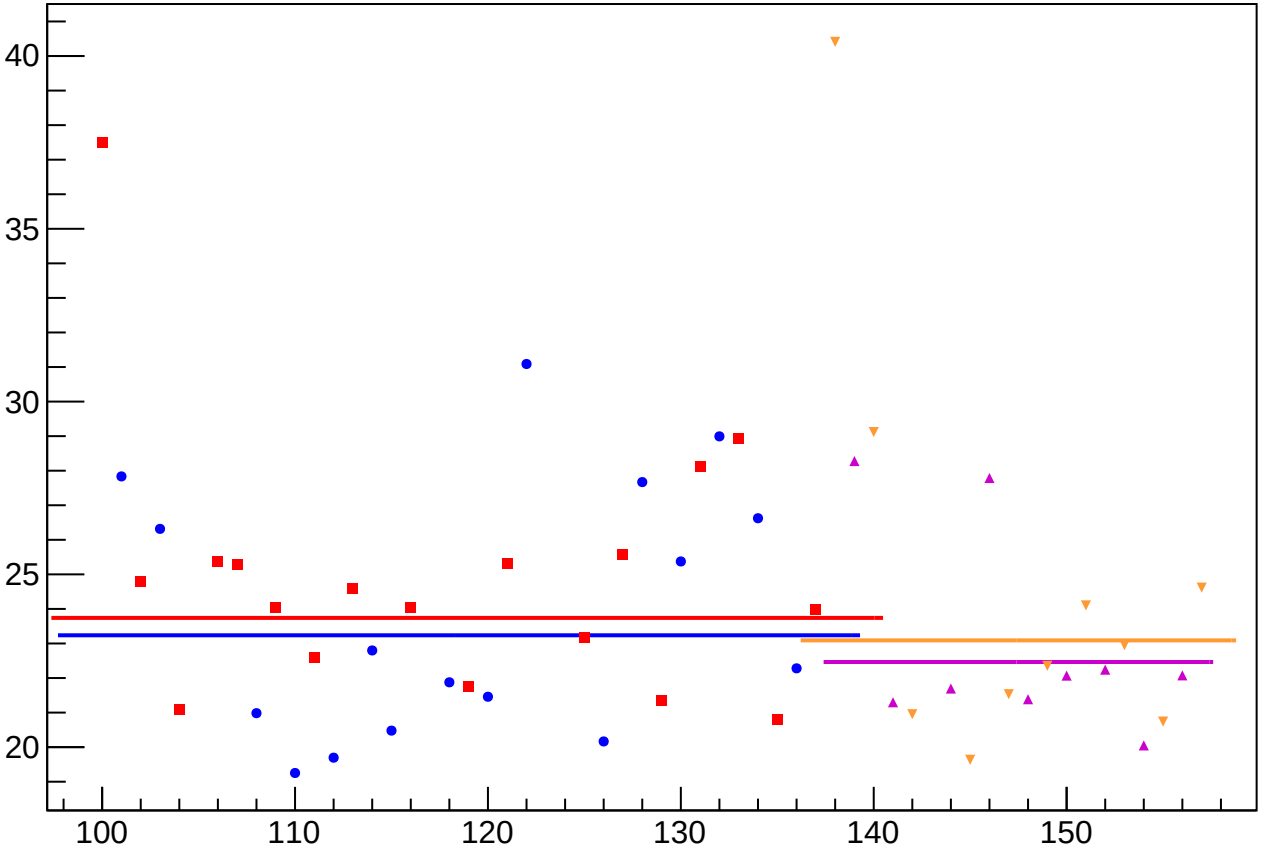
Left In: -0.007+/-0.009 χ^2/NDF:7.3/8

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: -0.000+/-0.004 χ^2/NDF: 35.1/52

- sign -0.002+/-0.006 χ^2/NDF: 21.6/26

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.090+/-0.006 χ^2/NDF:402276.7/9

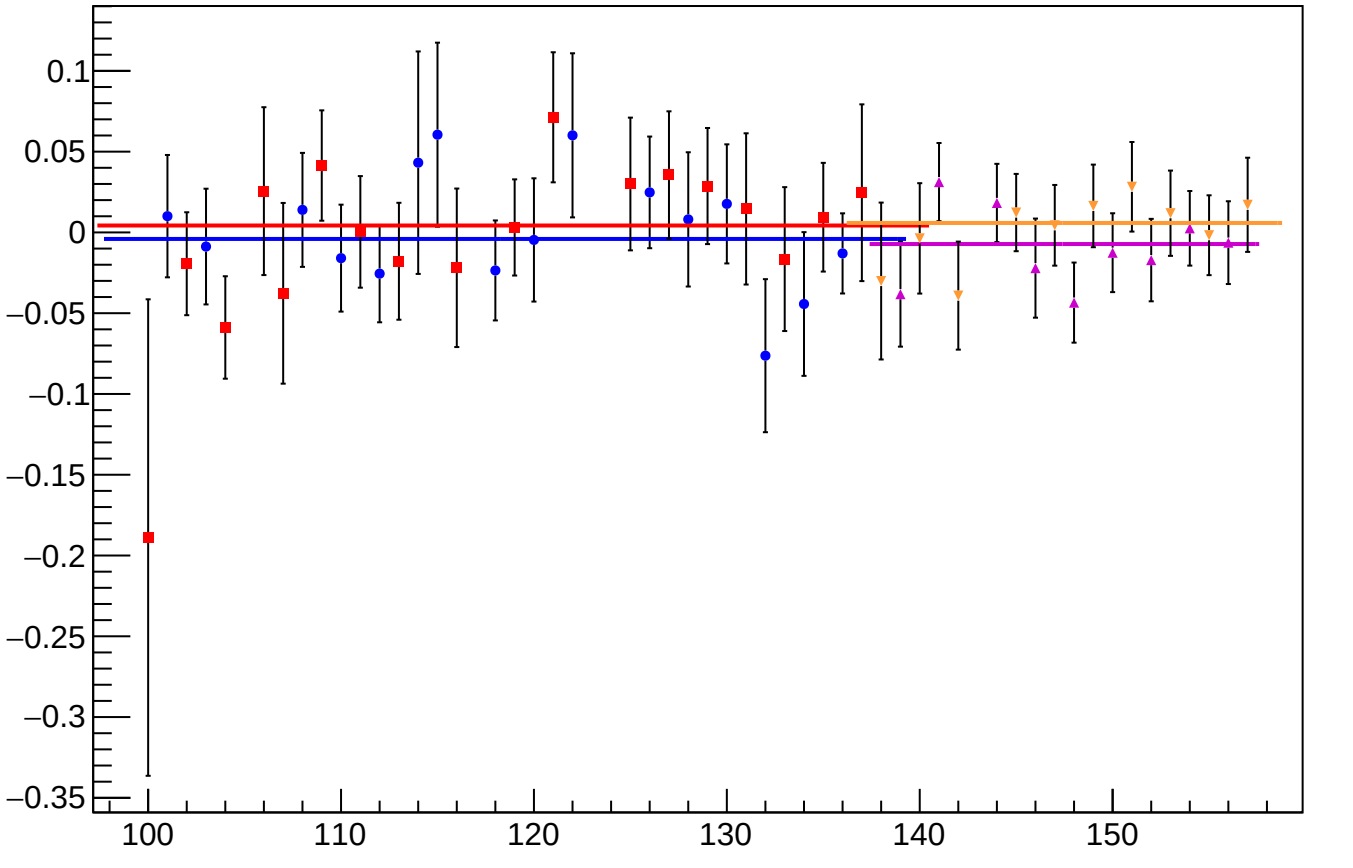
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.464+/-0.006 χ^2/NDF:157795.8/8

+ sign 23.161+/-0.005 χ^2/NDF: 661763.7/25

All: 23.103+/-0.003 χ^2/NDF: 966380.3/52

- sign 23.048+/-0.004 χ^2/NDF: 304302.3/26



Right In: -0.004+/-0.009 χ^2/NDF: 9.2/15

Left Out: 0.006+/-0.009 χ^2/NDF:3.6/9

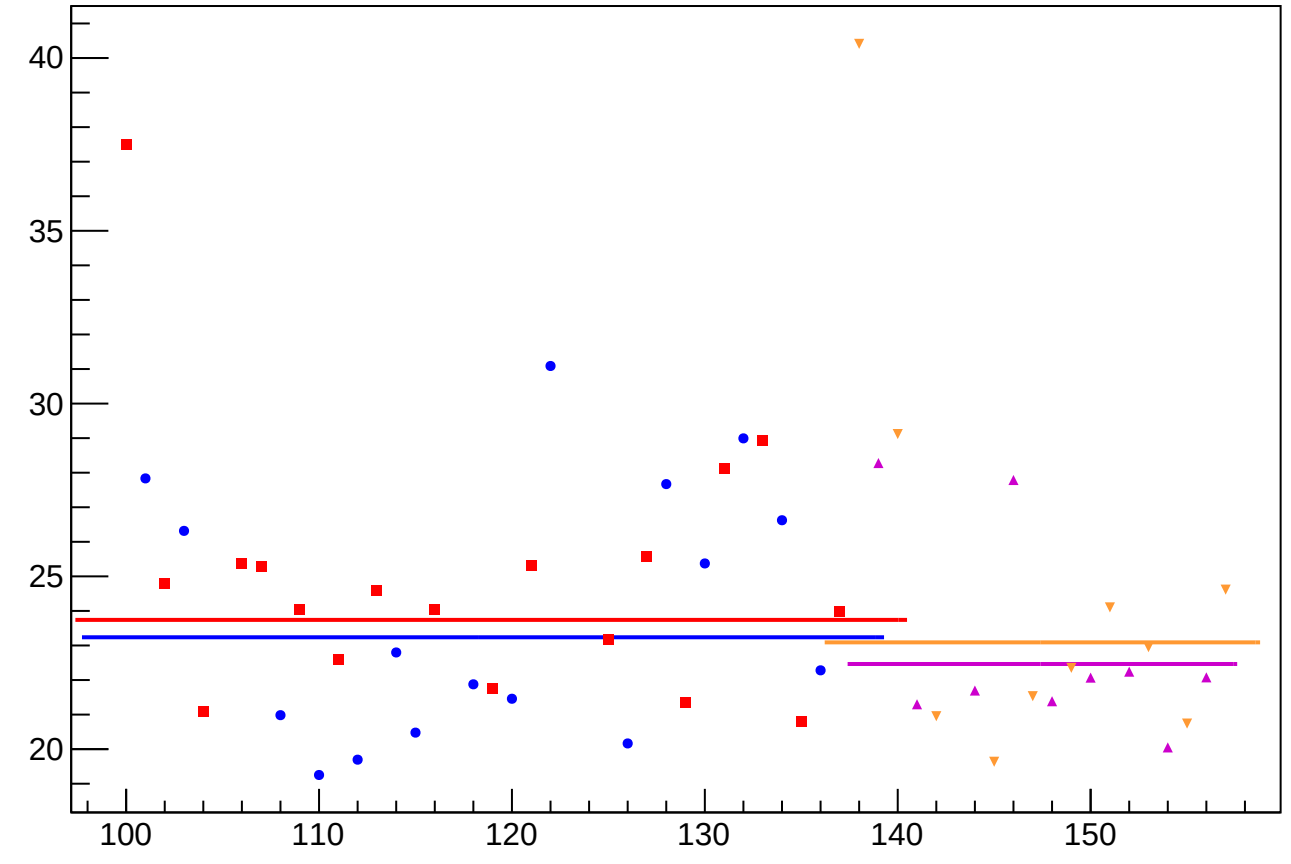
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: -0.007+/-0.009 χ^2/NDF:7.3/8

+ sign 0.001+/-0.006 χ^2/NDF: 13.4/25

All: -0.000+/-0.004 χ^2/NDF: 35.1/52

- sign -0.002+/-0.006 χ^2/NDF: 21.6/26



Right In: 23.237+/-0.007 χ^2/NDF: 259224.2/15

Left Out: 23.090+/-0.006 χ^2/NDF:402276.7/9

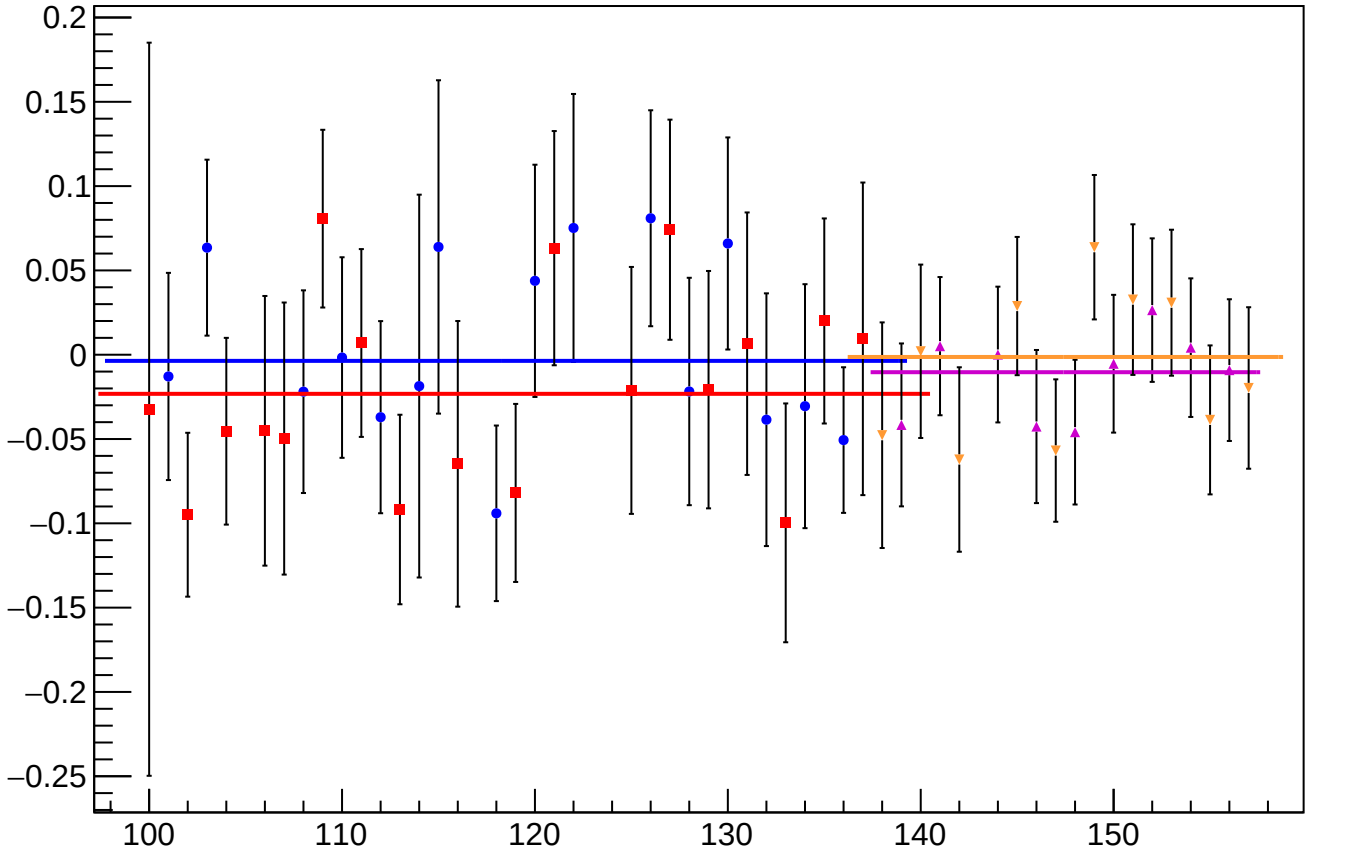
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.464+/-0.006 χ^2/NDF:157795.8/8

+ sign 23.161+/-0.005 χ^2/NDF: 661763.7/25

All: 23.103+/-0.003 χ^2/NDF: 966380.3/52

- sign 23.048+/-0.004 χ^2/NDF: 304302.3/26



Right In: -0.004+/-0.016 χ^2/NDF: 11.7/15

Left Out: -0.001+/-0.015 χ^2/NDF:8.3/9

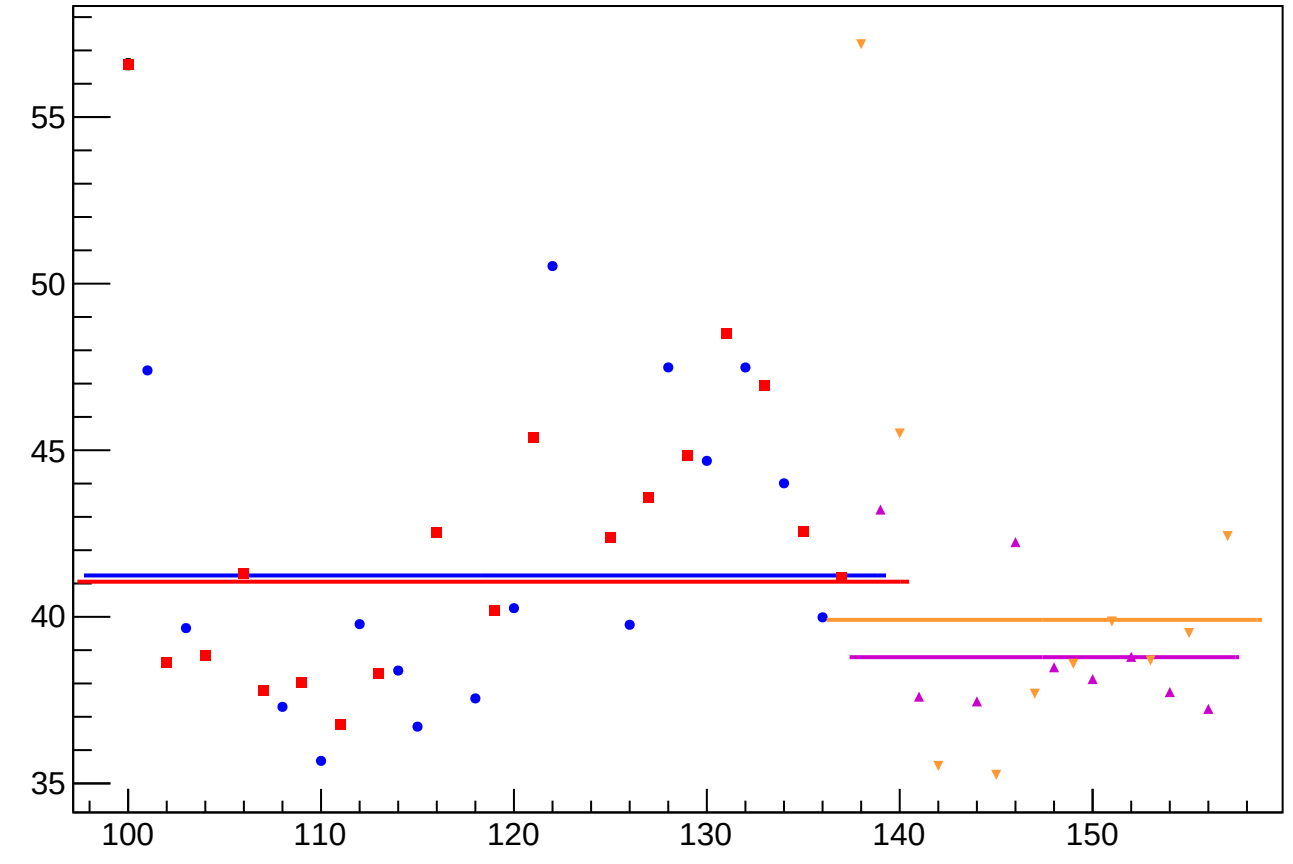
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: -0.010+/-0.014 χ^2/NDF:2.7/8

+ sign -0.002+/-0.011 χ^2/NDF: 20.0/25

All: -0.009+/-0.007 χ^2/NDF: 39.3/52

- sign -0.016+/-0.010 χ^2/NDF: 18.5/26



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 39.909+/-0.010 χ^2/NDF:210251.7/9

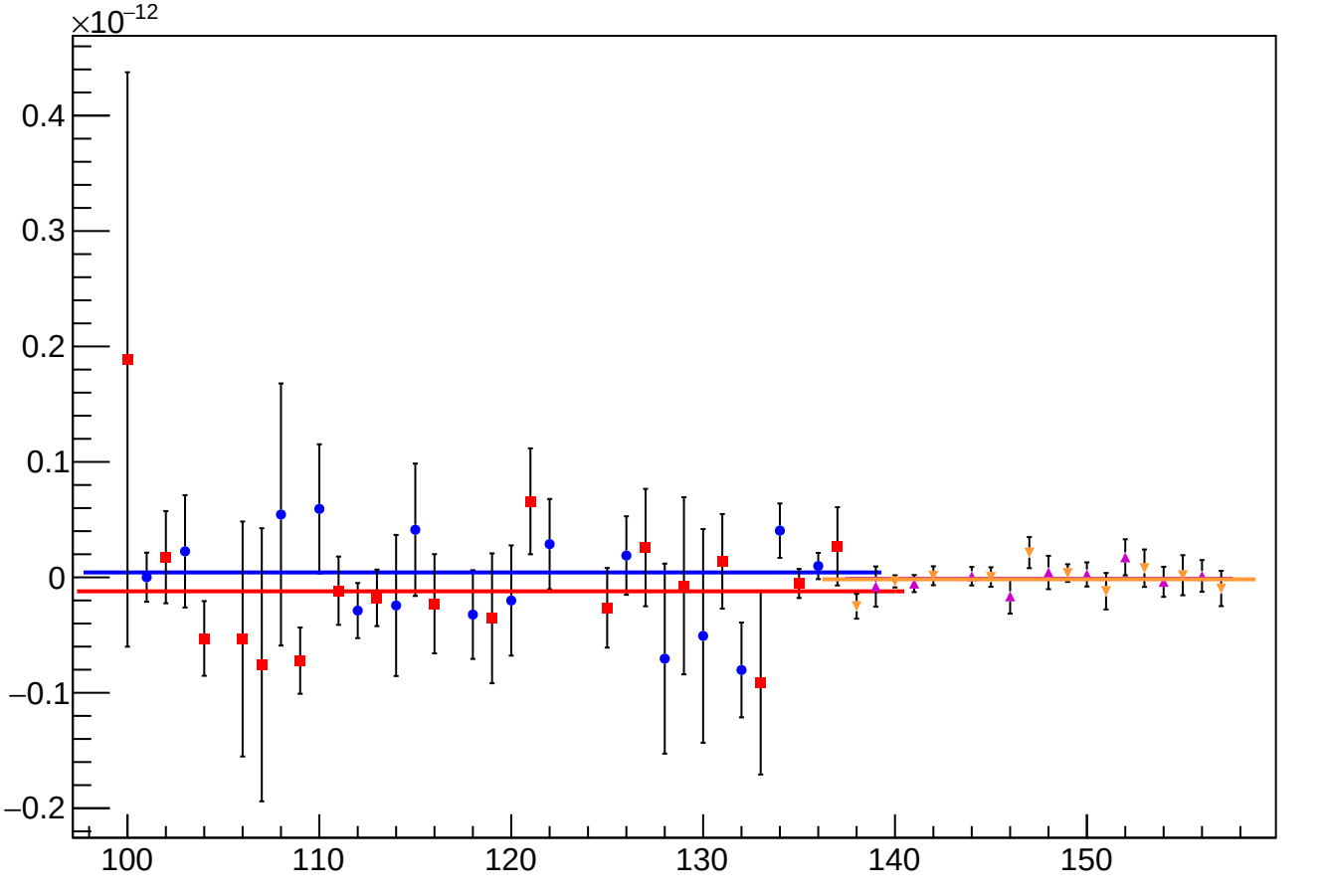
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 38.789+/-0.010 χ^2/NDF:36874.3/8

\+ sign 40.531+/-0.008 χ^2/NDF: 353160.6/25

All: 40.166+/-0.005 χ^2/NDF: 514321.3/52

\- sign 39.821+/-0.007 χ^2/NDF: 156679.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/17

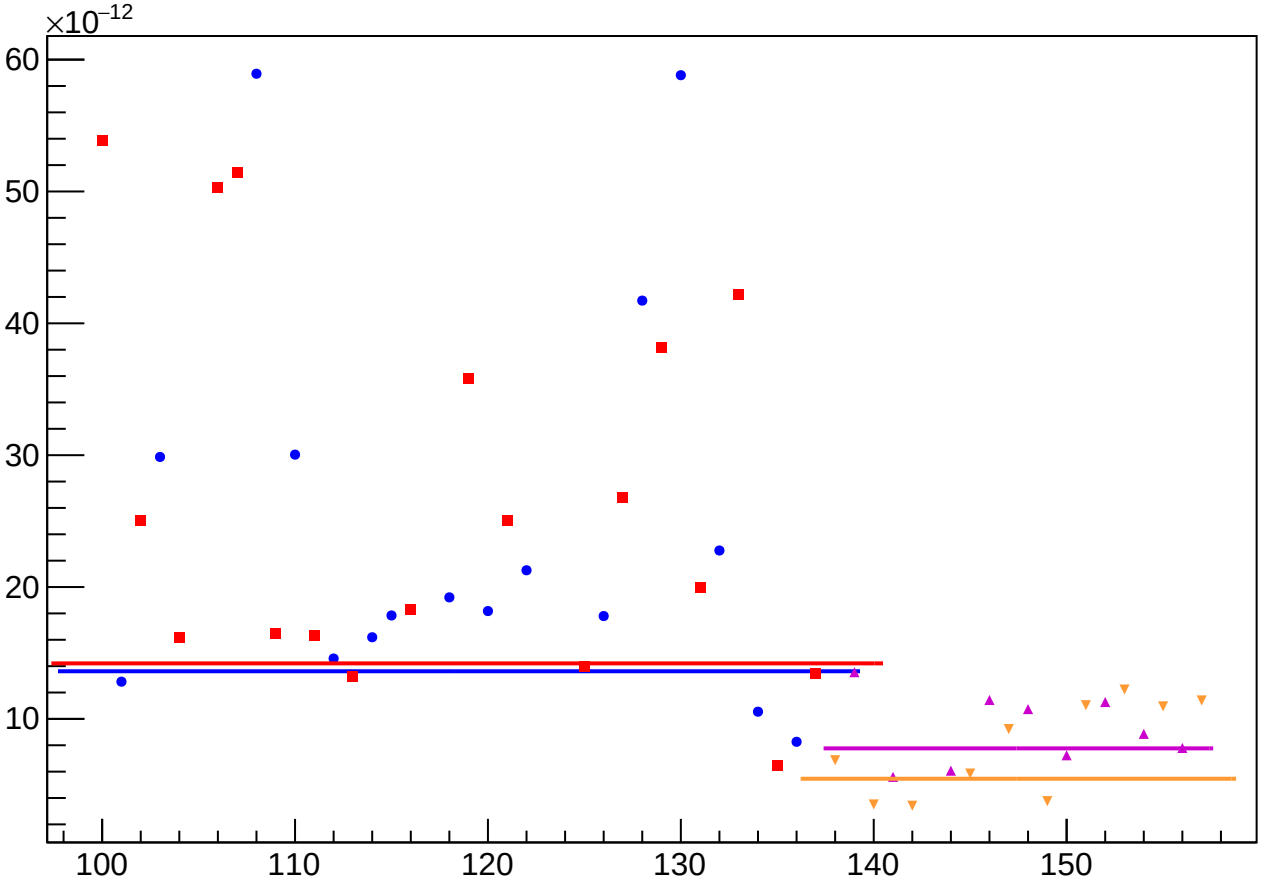
Left In: -0.000+/-0.000 χ^2/NDF:3.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/25

All: -0.000+/-0.000 χ^2/NDF: 43.6/52

- sign -0.000+/-0.000 χ^2/NDF: 19.5/26

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1791507.6/9

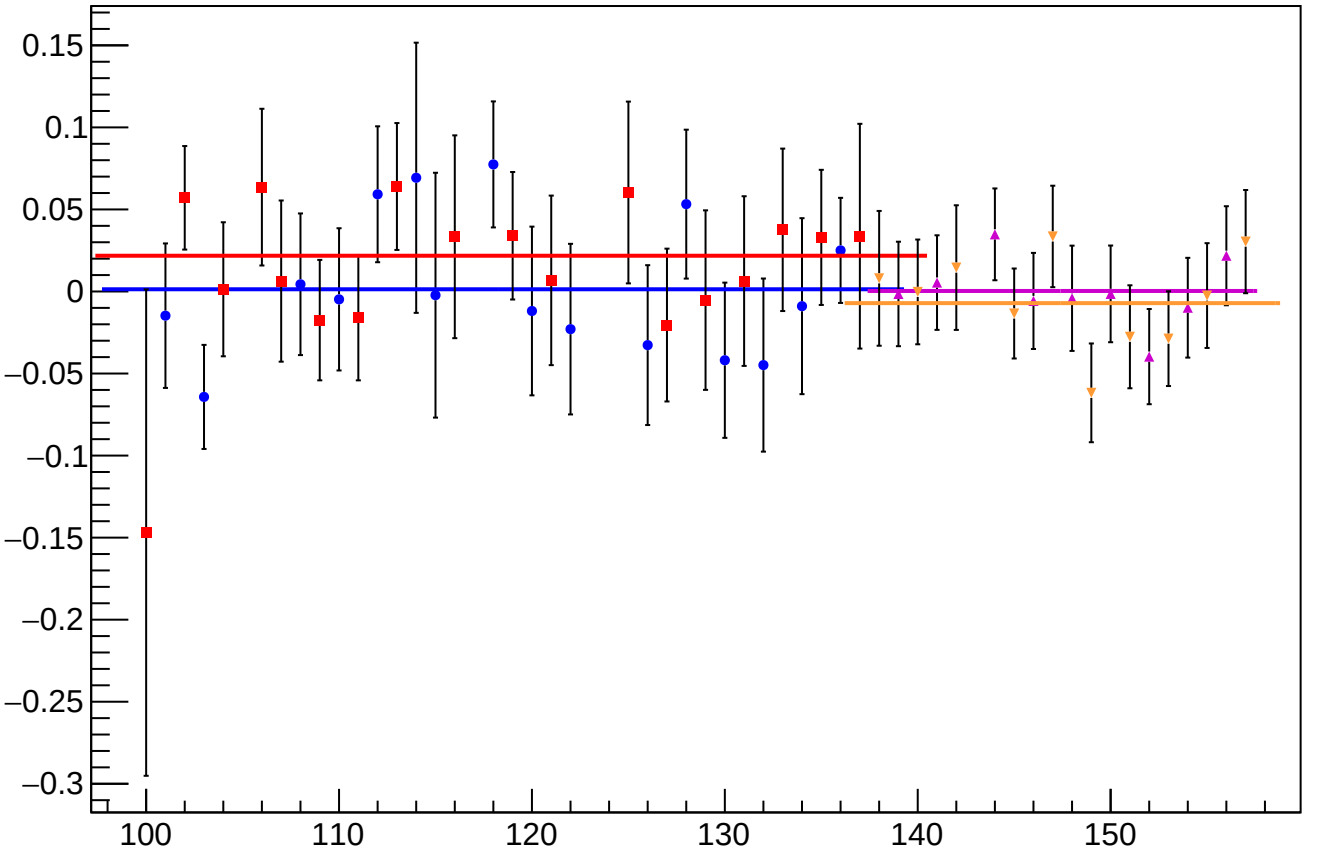
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:805013.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 6076870.2/25

All: 0.000+/-0.000 χ^2/NDF: 11050584.4/52

- sign 0.000+/-0.000 χ^2/NDF: 4387898.3/26



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.007+/-0.010 χ^2/NDF:8.0/9

Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

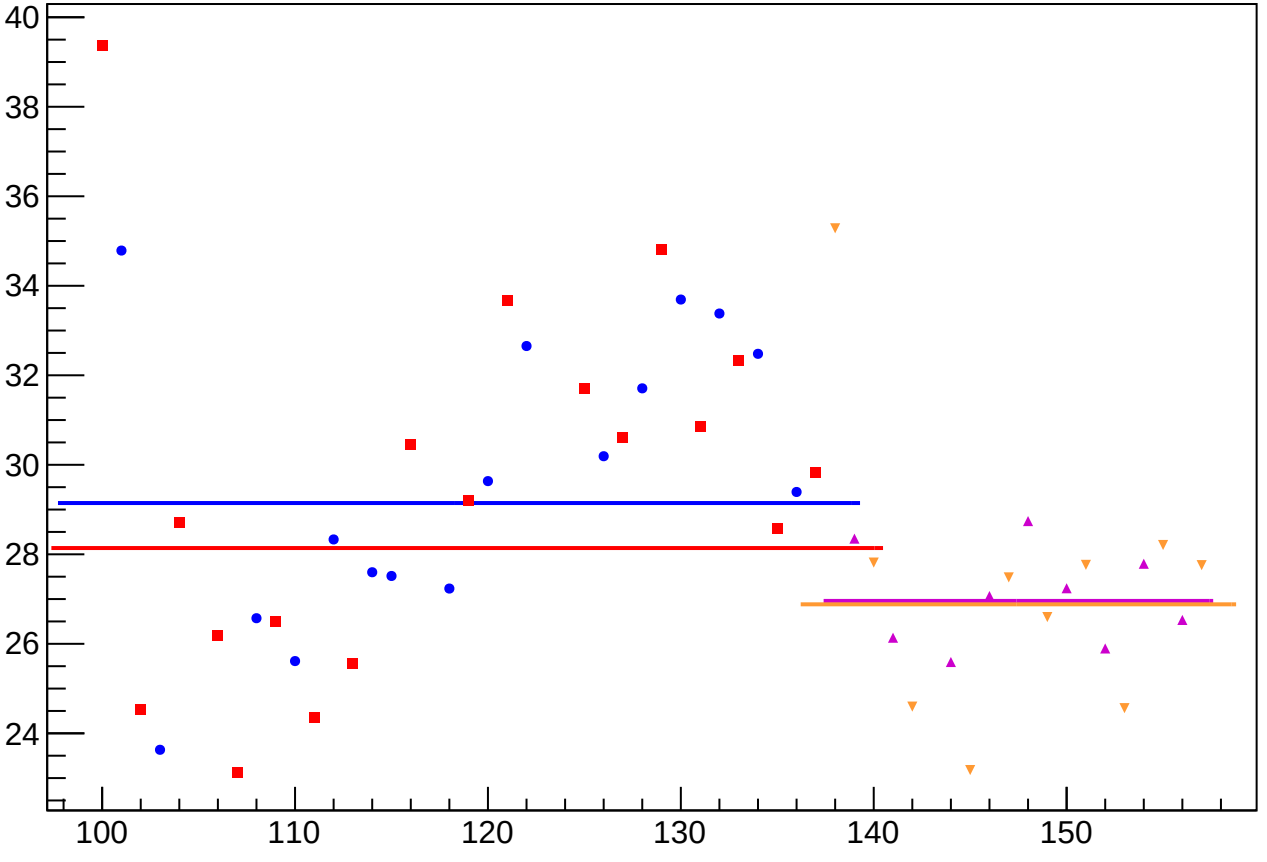
Left In: 0.000+/-0.010 χ^2/NDF:4.1/8

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/25

All: 0.004+/-0.005 χ^2/NDF: 40.6/52

- sign 0.010+/-0.007 χ^2/NDF: 15.3/26

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

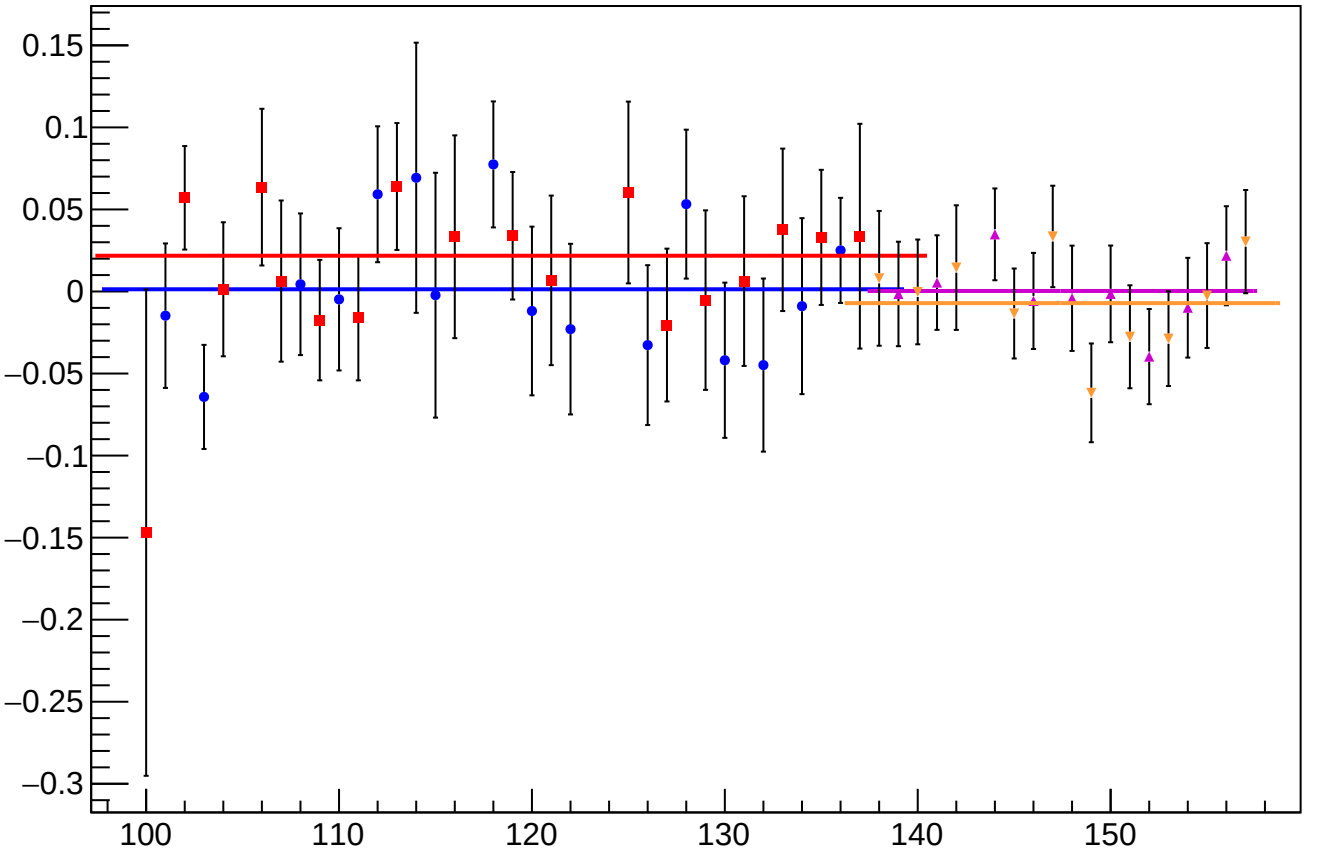
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.958+/-0.007 χ^2/NDF:21177.1/8

\+ sign 27.888+/-0.005 χ^2/NDF: 371735.6/25

All: 27.690+/-0.004 χ^2/NDF: 595739.4/52

\- sign 27.501+/-0.005 χ^2/NDF: 221272.0/26



Right In: 0.001+/-0.011 χ^2/NDF: 15.3/15

Left Out: -0.007+/-0.010 χ^2/NDF:8.0/9

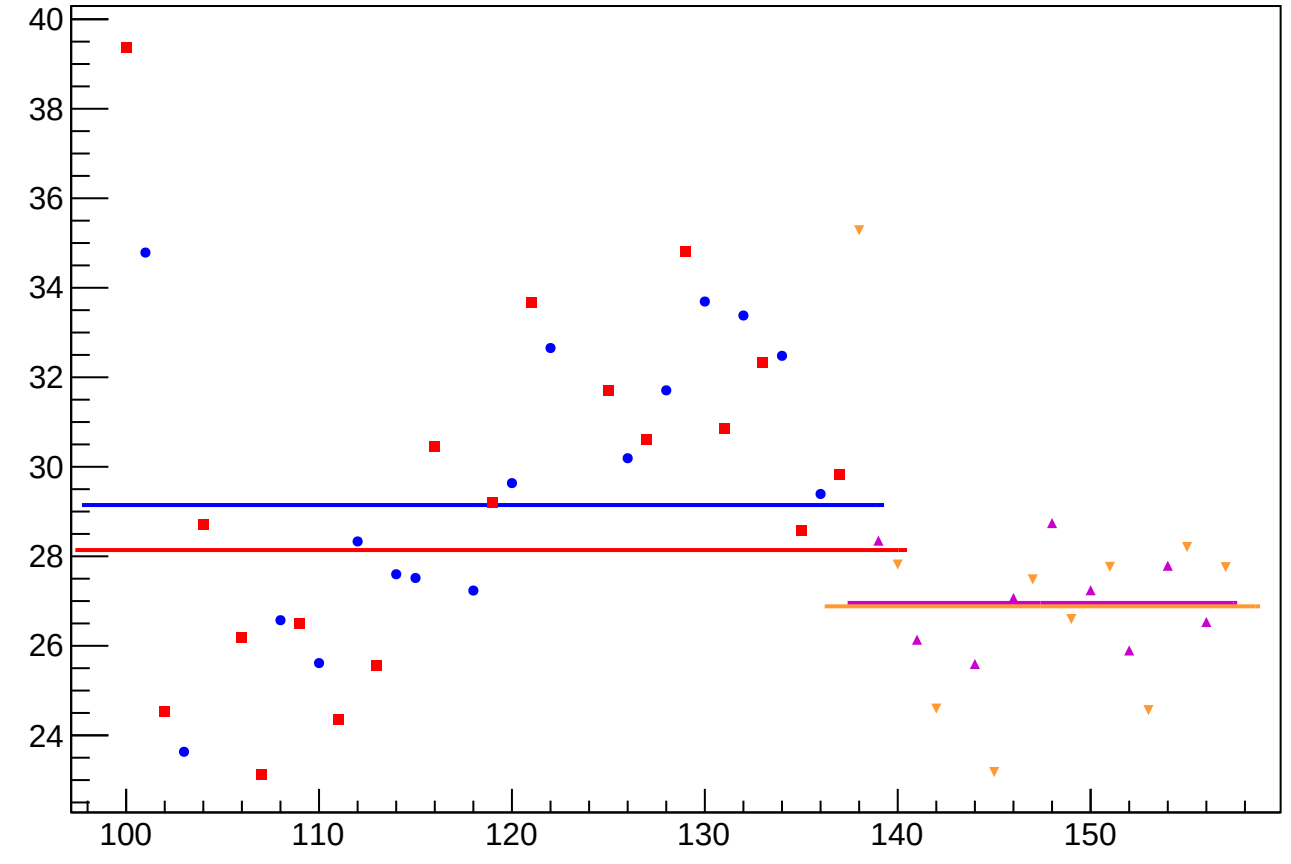
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.010 χ^2/NDF:4.1/8

+ sign -0.003+/-0.007 χ^2/NDF: 23.6/25

All: 0.004+/-0.005 χ^2/NDF: 40.6/52

- sign 0.010+/-0.007 χ^2/NDF: 15.3/26



Right In: 29.146+/-0.008 χ^2/NDF: 176889.4/15

Left Out: 26.882+/-0.007 χ^2/NDF:149552.9/9

Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

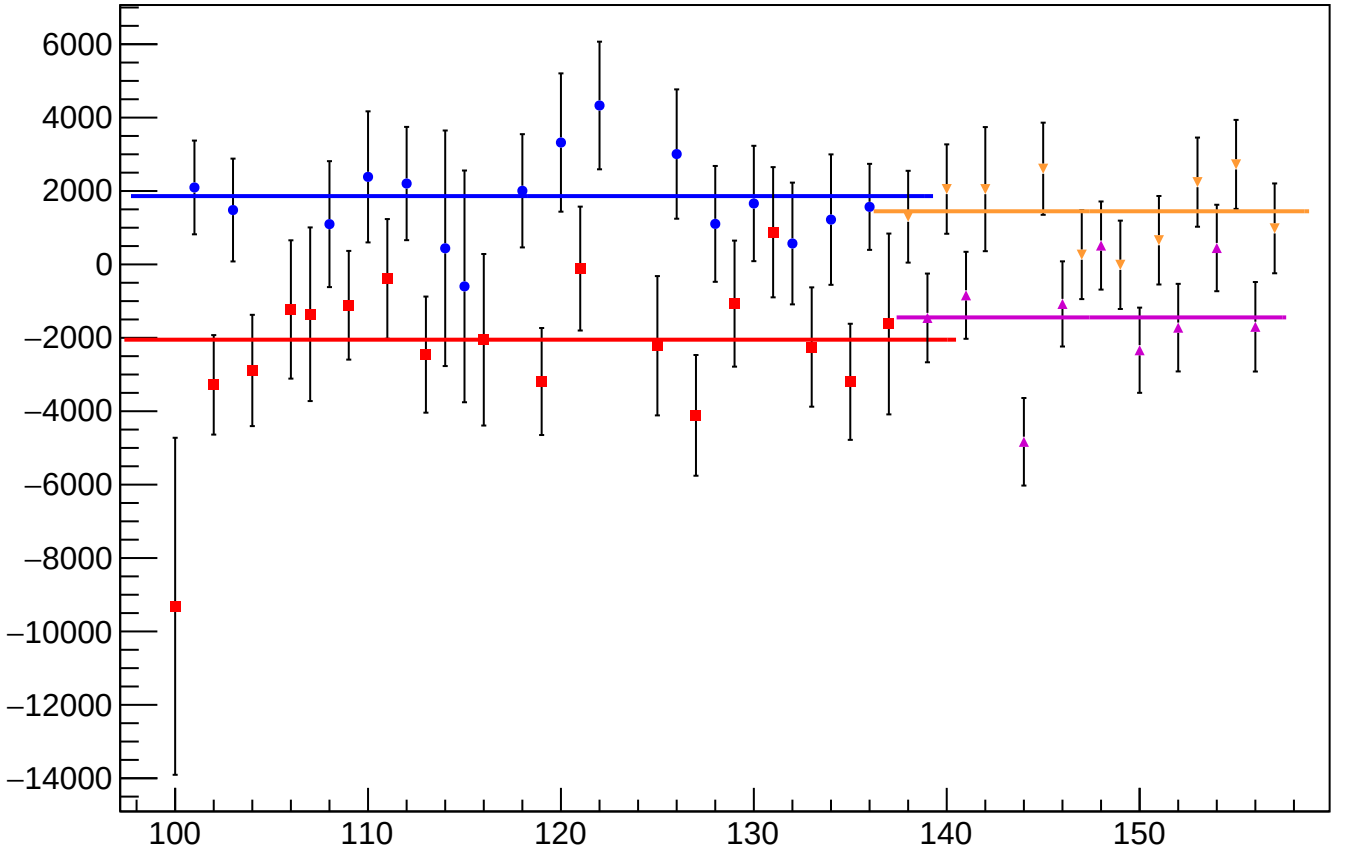
Left In: 26.958+/-0.007 χ^2/NDF:21177.1/8

+ sign 27.888+/-0.005 χ^2/NDF: 371735.6/25

All: 27.690+/-0.004 χ^2/NDF: 595739.4/52

- sign 27.501+/-0.005 χ^2/NDF: 221272.0/26

reg_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

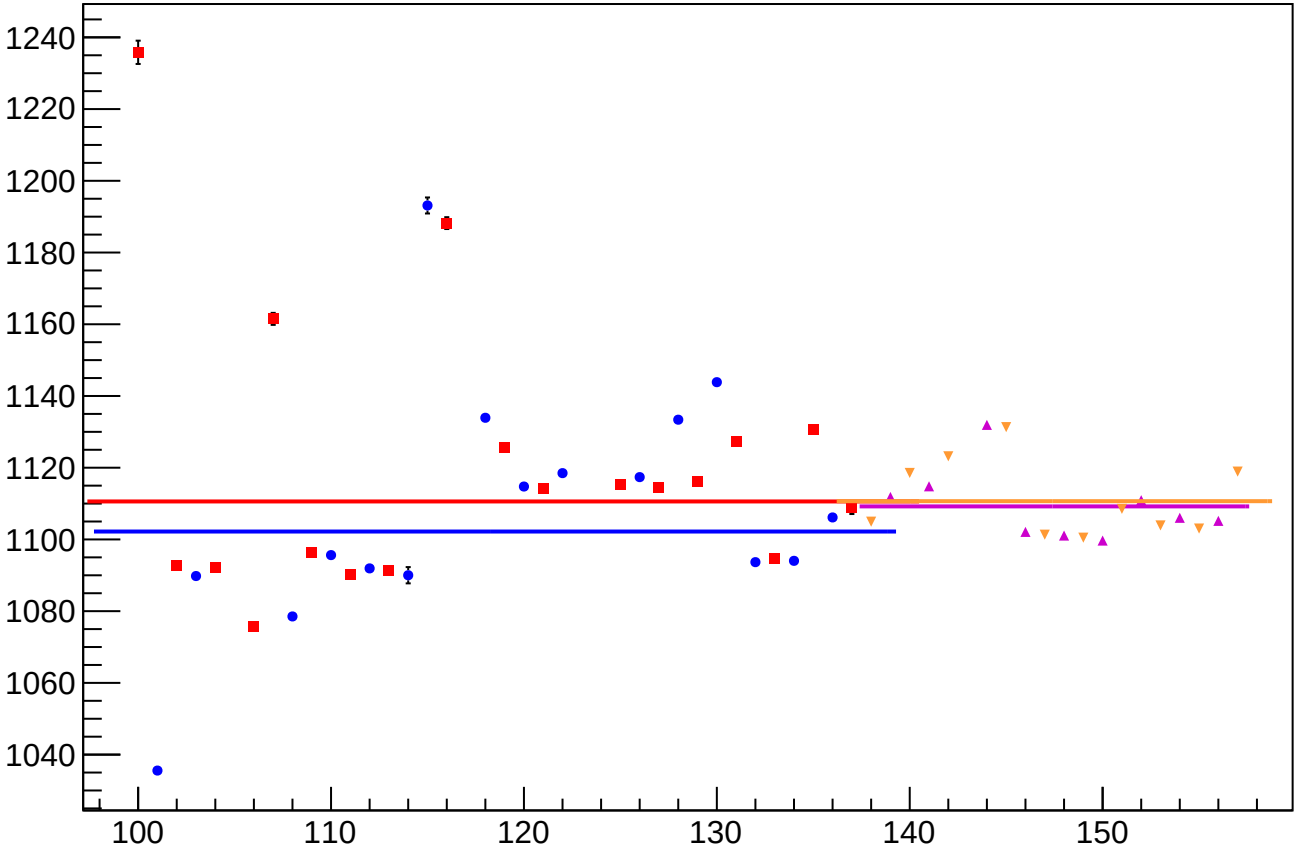
Left In: -1443.574+/-396.106 χ^2/NDF:14.4/8

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -44.653+/-201.249 χ^2/NDF: 110.4/52

- sign -1737.301+/-284.622 χ^2/NDF: 28.0/26

reg_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

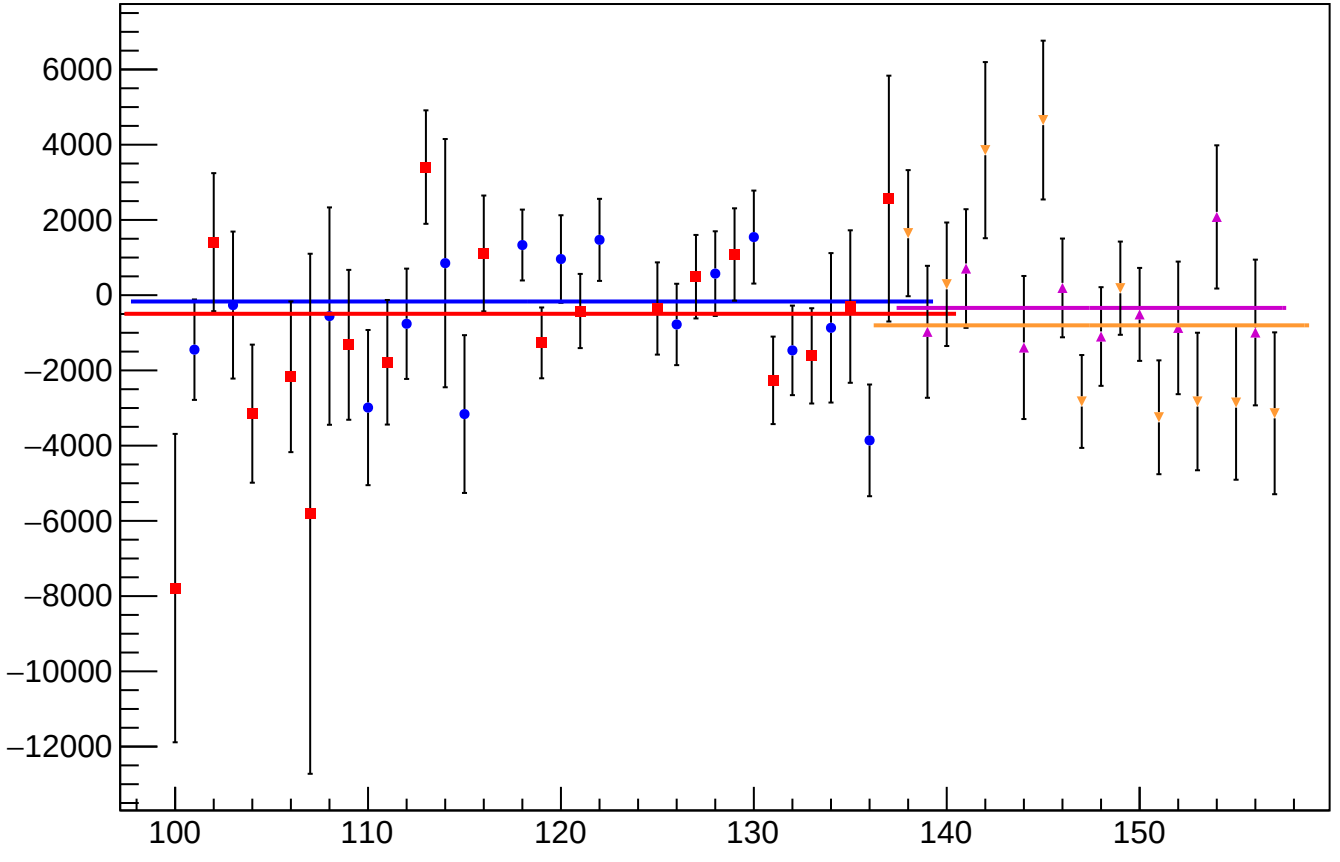
Left In: 1109.212+/-0.280 χ^2/NDF:1122.6/8

\+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1108.230+/-0.142 χ^2/NDF: 22031.6/52

\- sign 1109.879+/-0.201 χ^2/NDF: 8830.4/26

asym_usl_reg_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

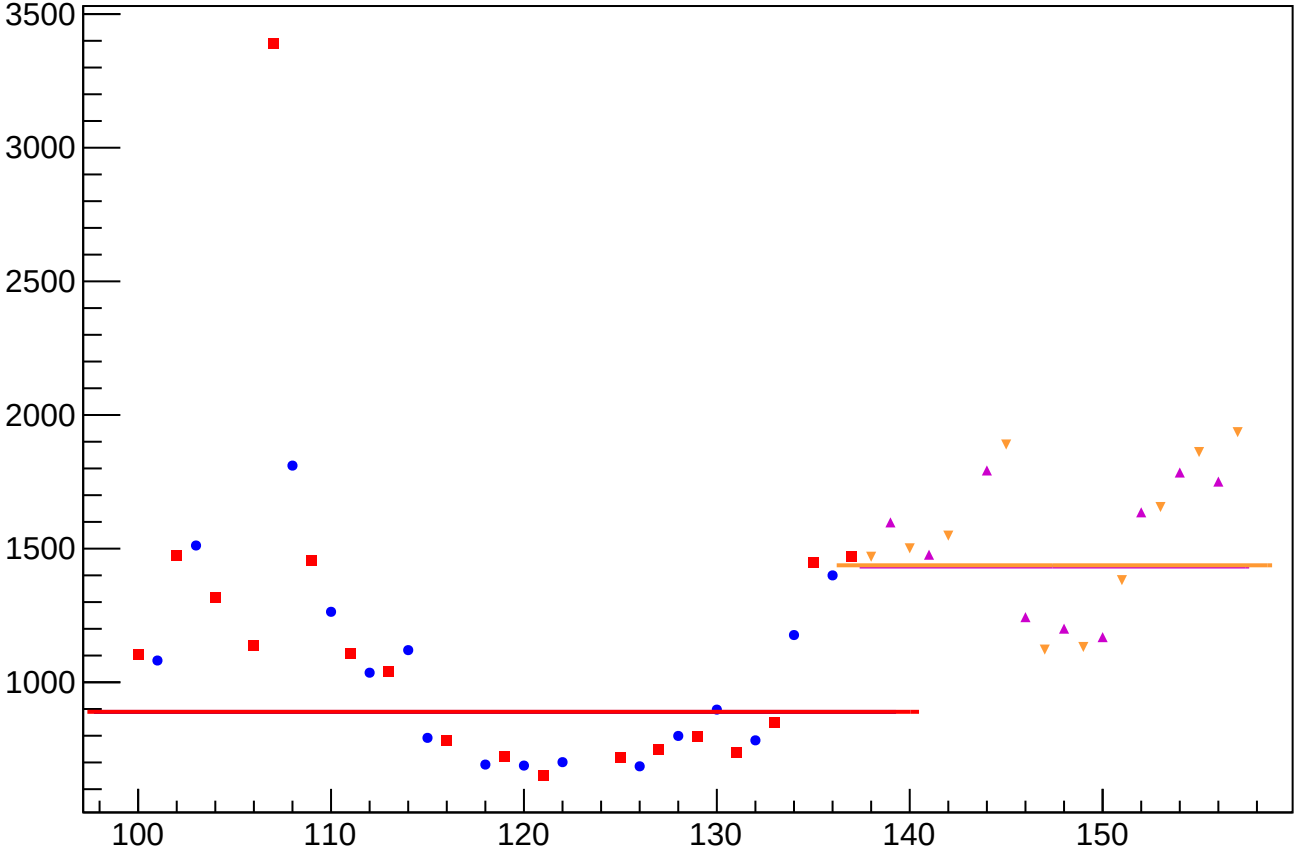
Left In: -338.926+/-520.950 χ^2/NDF:3.2/8

+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -403.671+/-203.722 χ^2/NDF: 71.2/52

- sign -447.527+/-287.673 χ^2/NDF: 26.6/26

asym_usl_reg_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

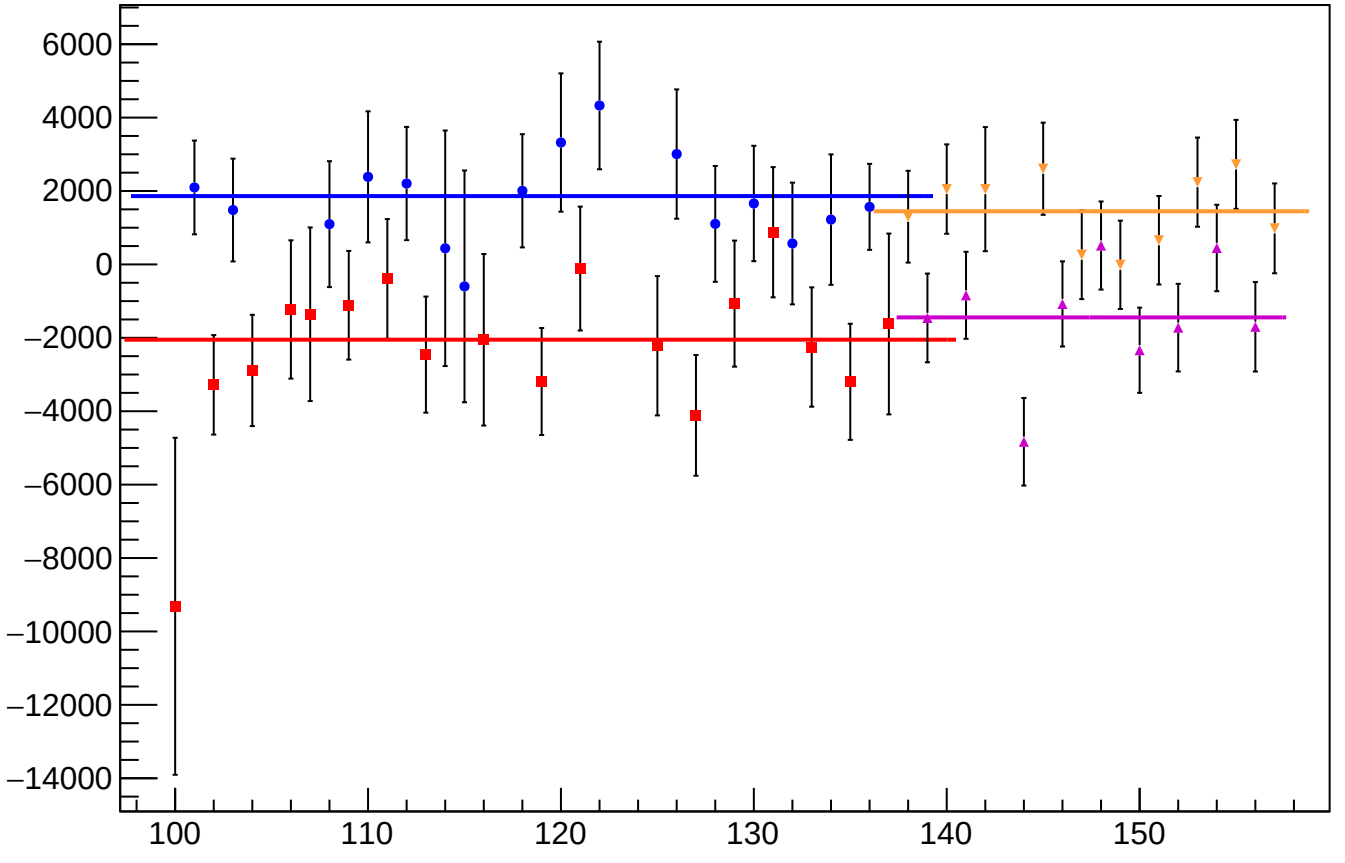
Left In: 1433.044+/-0.368 χ^2/NDF:435218.0/8

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1055.025+/-0.144 χ^2/NDF: 6528305.7/52

- sign 1055.230+/-0.203 χ^2/NDF: 3294416.4/26

cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

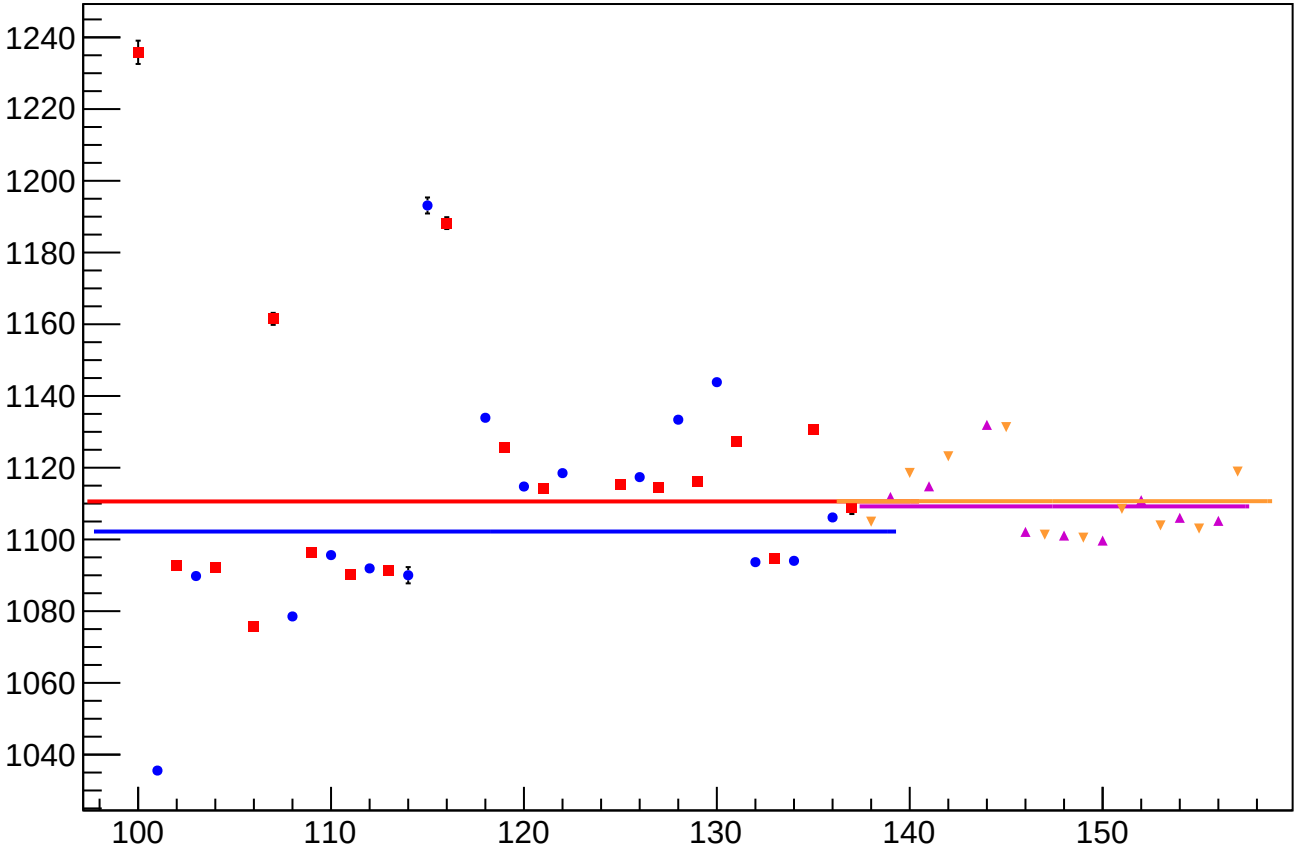
Left In: -1443.574+/-396.106 χ^2/NDF:14.4/8

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -44.653+/-201.249 χ^2/NDF: 110.4/52

- sign -1737.301+/-284.622 χ^2/NDF: 28.0/26

cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

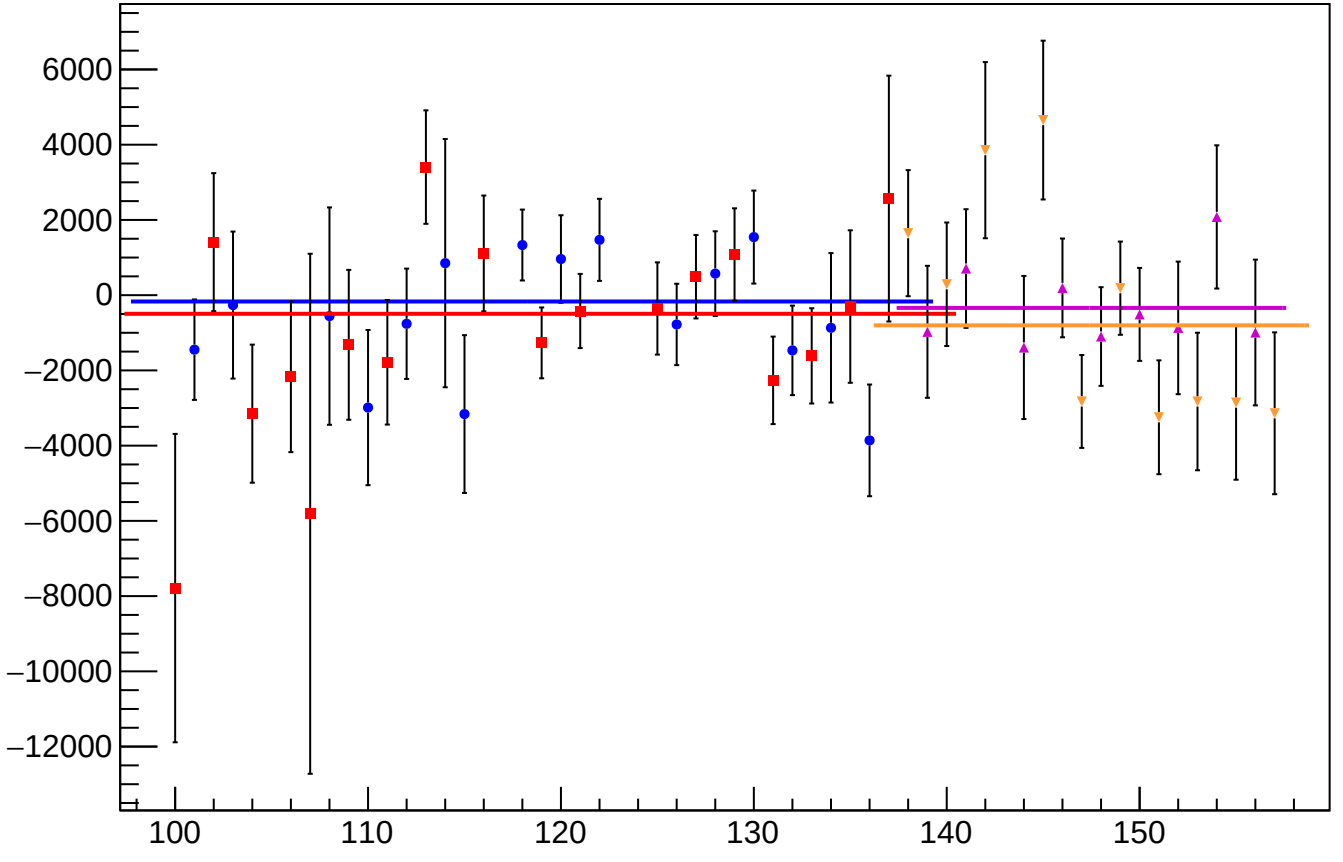
Left In: 1109.212+/-0.280 χ^2/NDF:1122.6/8

+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1108.230+/-0.142 χ^2/NDF: 22031.6/52

- sign 1109.879+/-0.201 χ^2/NDF: 8830.4/26

asym_usl_cor_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

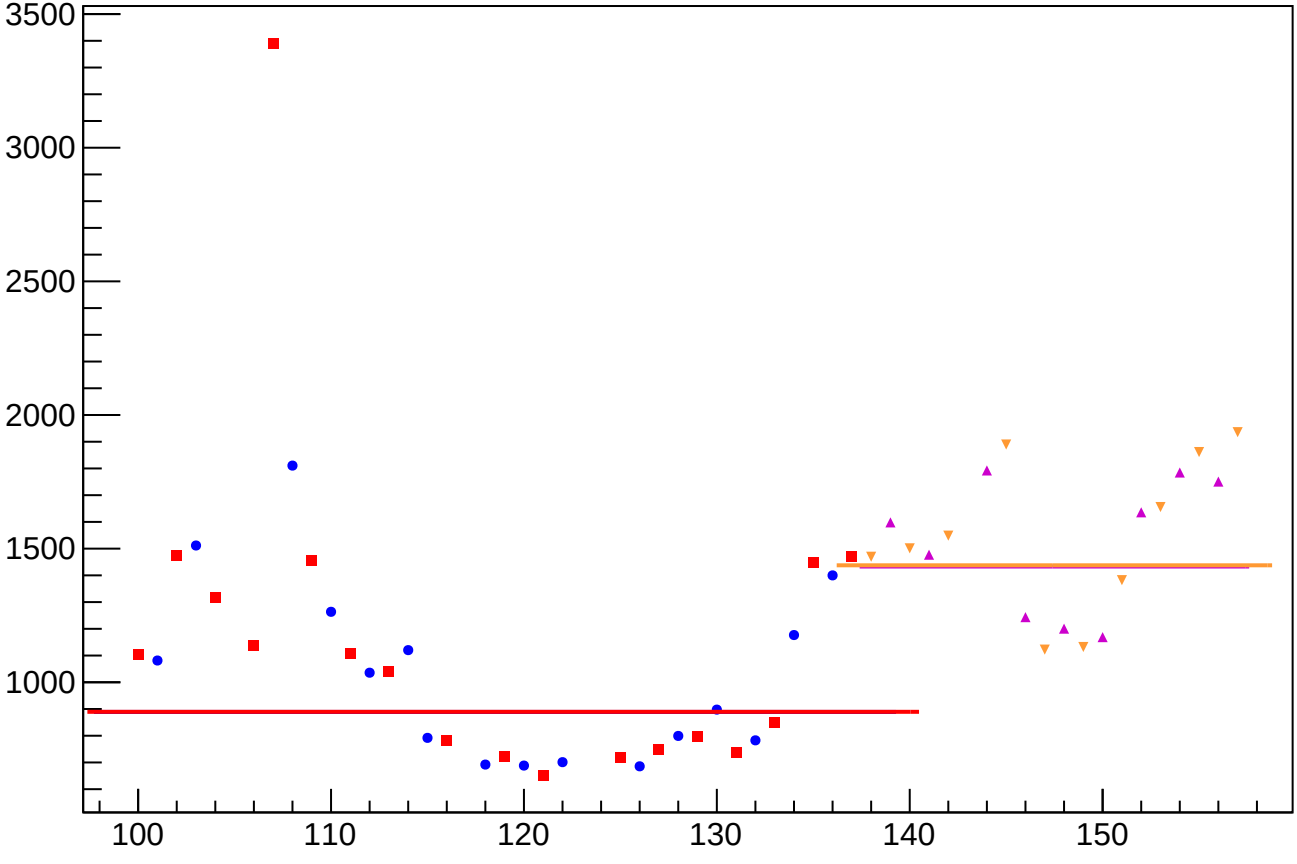
Left In: -338.926+/-520.950 χ^2/NDF:3.2/8

+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -403.671+/-203.722 χ^2/NDF: 71.2/52

- sign -447.527+/-287.673 χ^2/NDF: 26.6/26

asym_usl_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

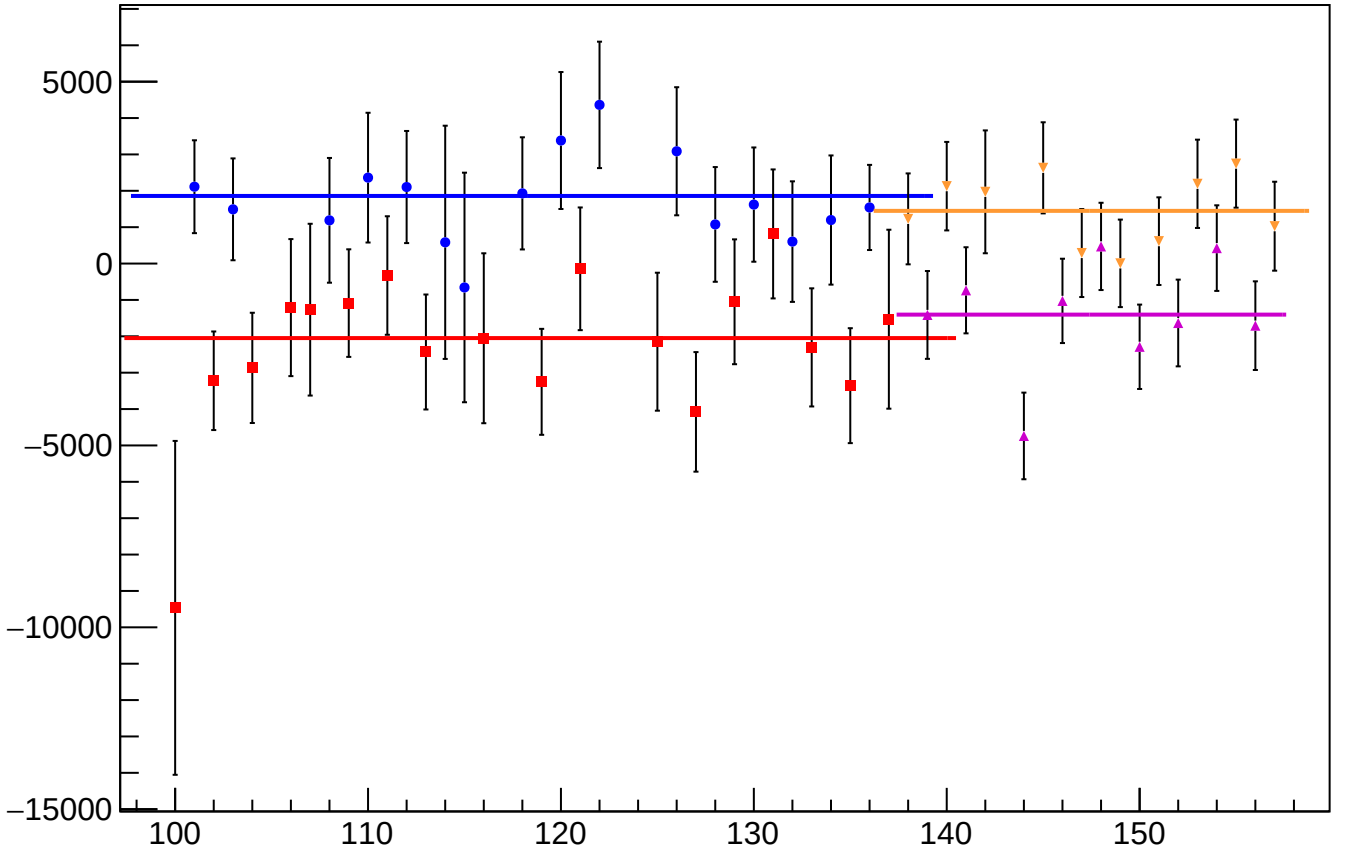
Left In: 1433.044+/-0.368 χ^2/NDF:435218.0/8

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1055.025+/-0.144 χ^2/NDF: 6528305.7/52

- sign 1055.230+/-0.203 χ^2/NDF: 3294416.4/26

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683+/-409.170 χ^2/NDF: 5.4/15

Left Out: 1448.474+/-395.358 χ^2/NDF:5.8/9

Right Out: -2048.674+/-408.894 χ^2/NDF: 12.7/17

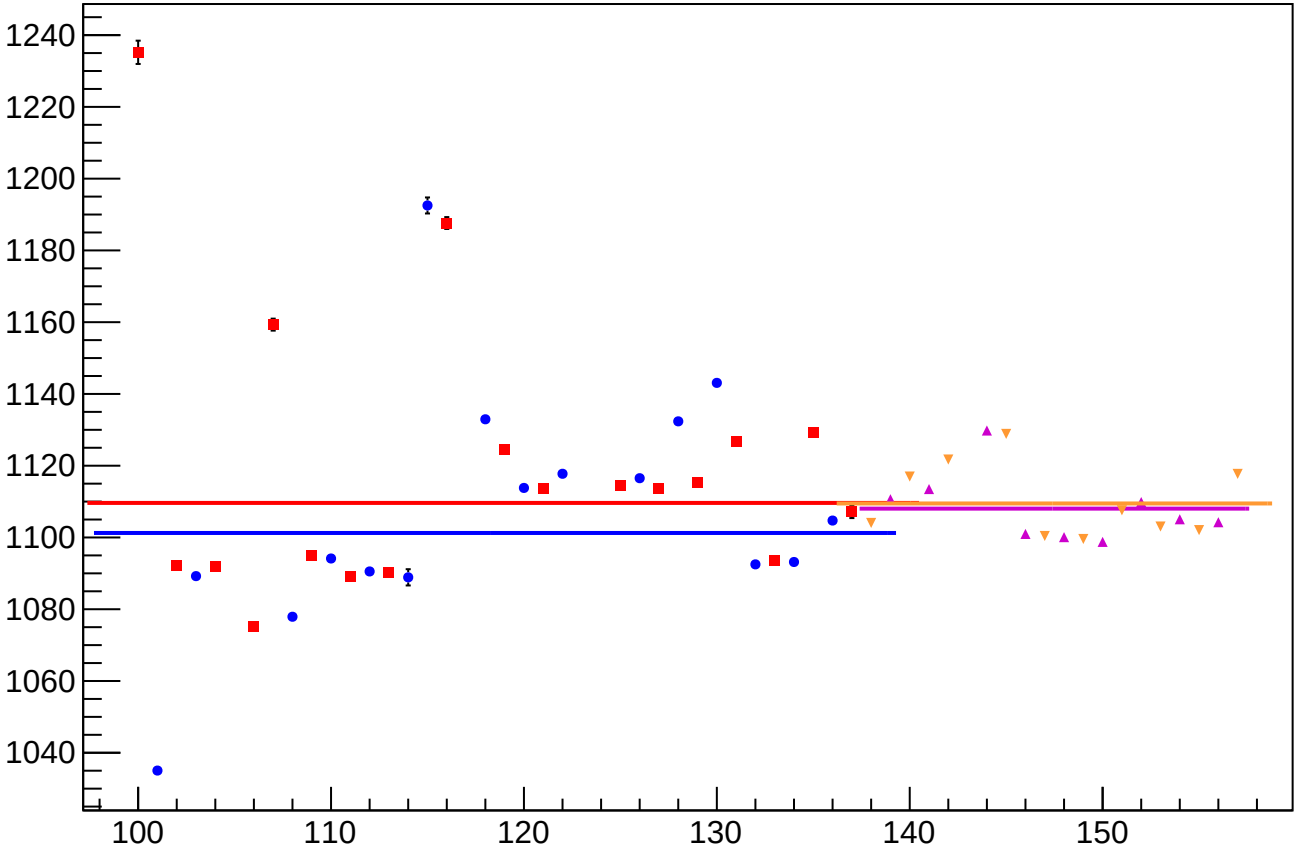
Left In: -1403.824+/-395.686 χ^2/NDF:13.8/8

+ sign 1646.538+/-284.318 χ^2/NDF: 11.8/25

All: -34.393+/-201.053 χ^2/NDF: 109.5/52

- sign -1715.666+/-284.347 χ^2/NDF: 27.8/26

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254+/-0.289 χ^2/NDF: 11308.3/15

Left Out: 1109.476+/-0.280 χ^2/NDF:1173.1/9

Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

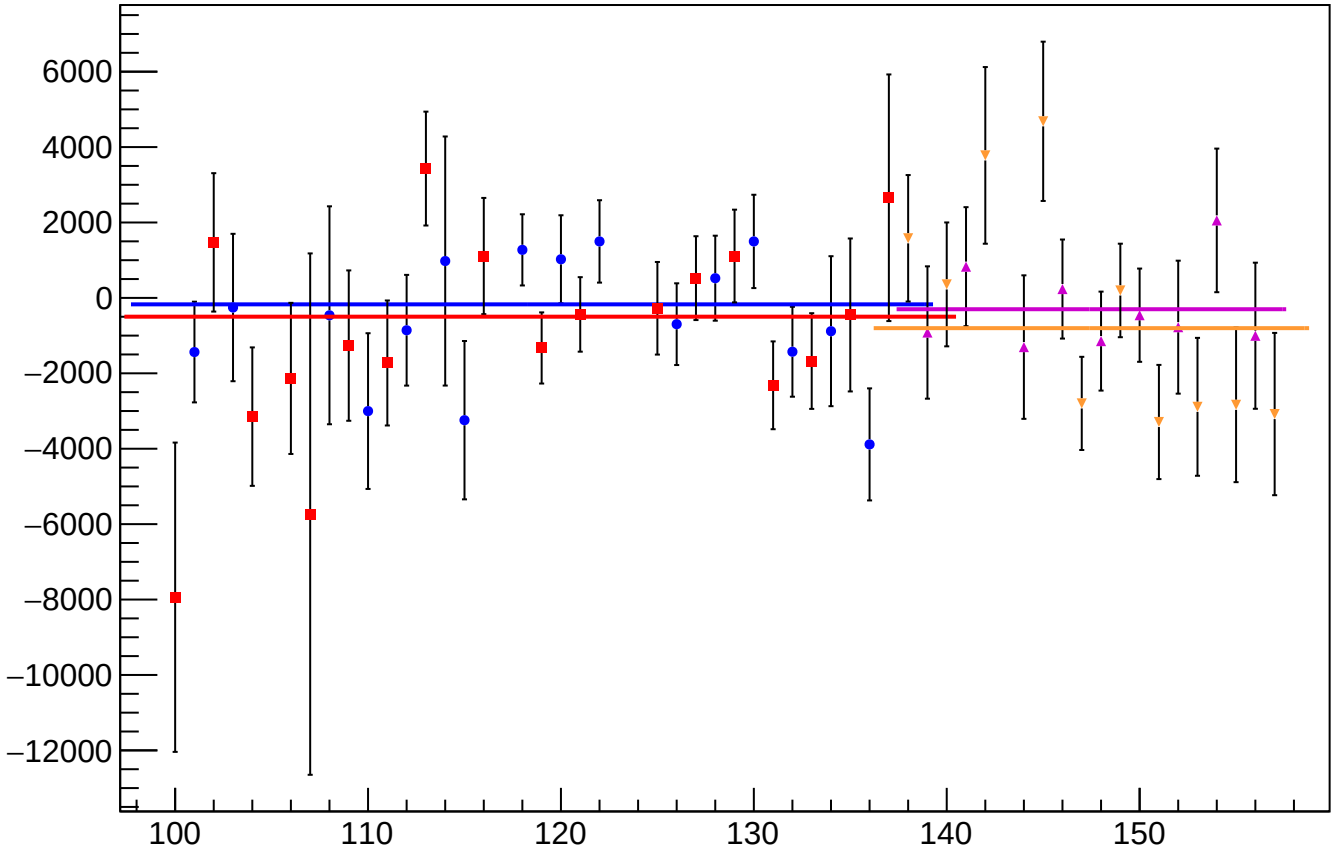
Left In: 1108.037+/-0.280 χ^2/NDF:1046.7/8

+ sign 1105.506+/-0.201 χ^2/NDF: 12898.9/25

All: 1107.156+/-0.142 χ^2/NDF: 21769.0/52

- sign 1108.807+/-0.201 χ^2/NDF: 8735.4/26

asym_usl_overload_cor_correction_mean vs Slug



Right In: -170.930+/-345.980 χ^2/NDF: 20.9/15

Left Out: -802.300+/-525.124 χ^2/NDF:22.5/9

Right Out: -497.957+/-345.565 χ^2/NDF: 23.9/17

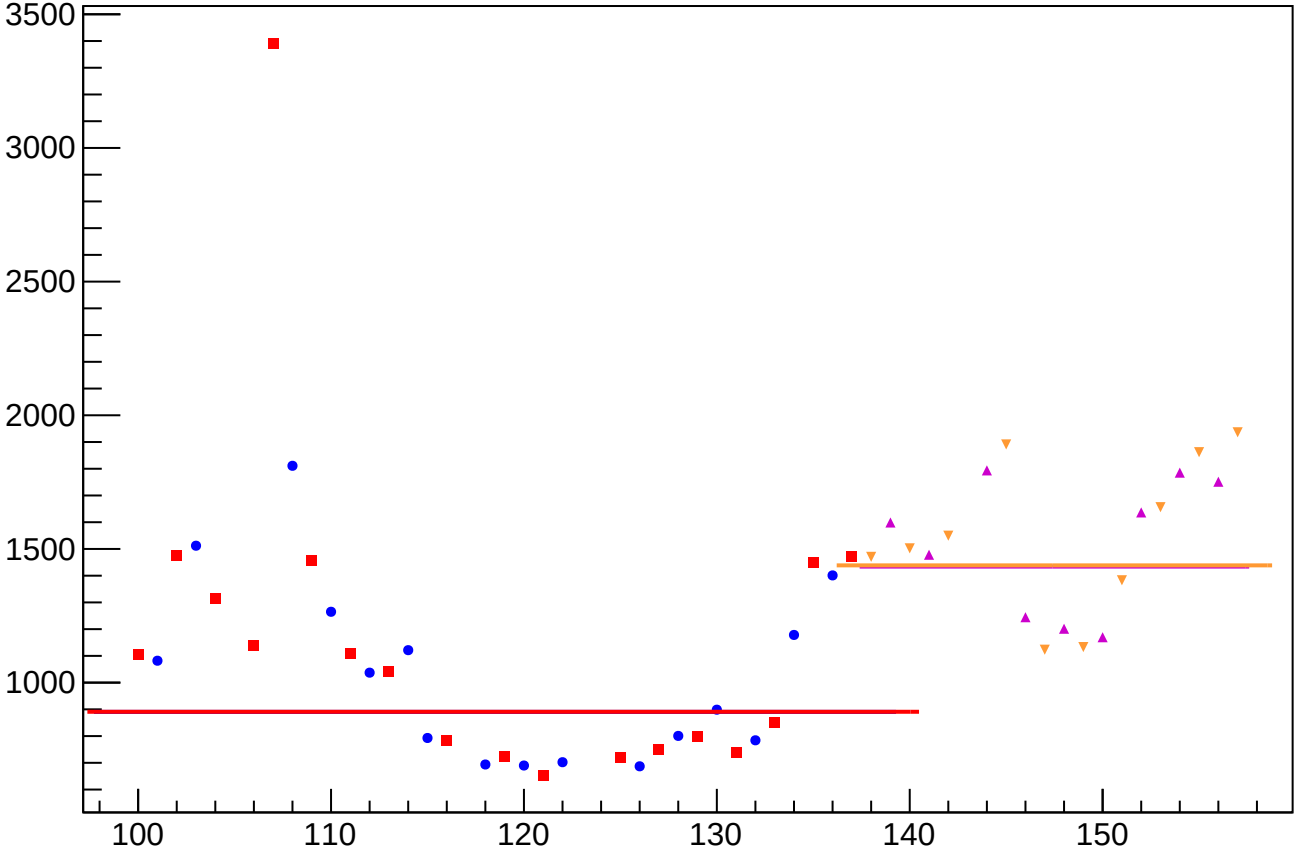
Left In: -300.170+/-521.279 χ^2/NDF:3.2/8

+ sign -362.042+/-288.910 χ^2/NDF: 44.4/25

All: -399.924+/-203.977 χ^2/NDF: 71.7/52

- sign -437.574+/-288.025 χ^2/NDF: 27.3/26

asym_usl_overload_cor_correction_rms vs Slug



Right In: 890.495+/-0.245 χ^2/NDF: 1128739.3/15

Left Out: 1438.576+/-0.371 χ^2/NDF:575086.9/9

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

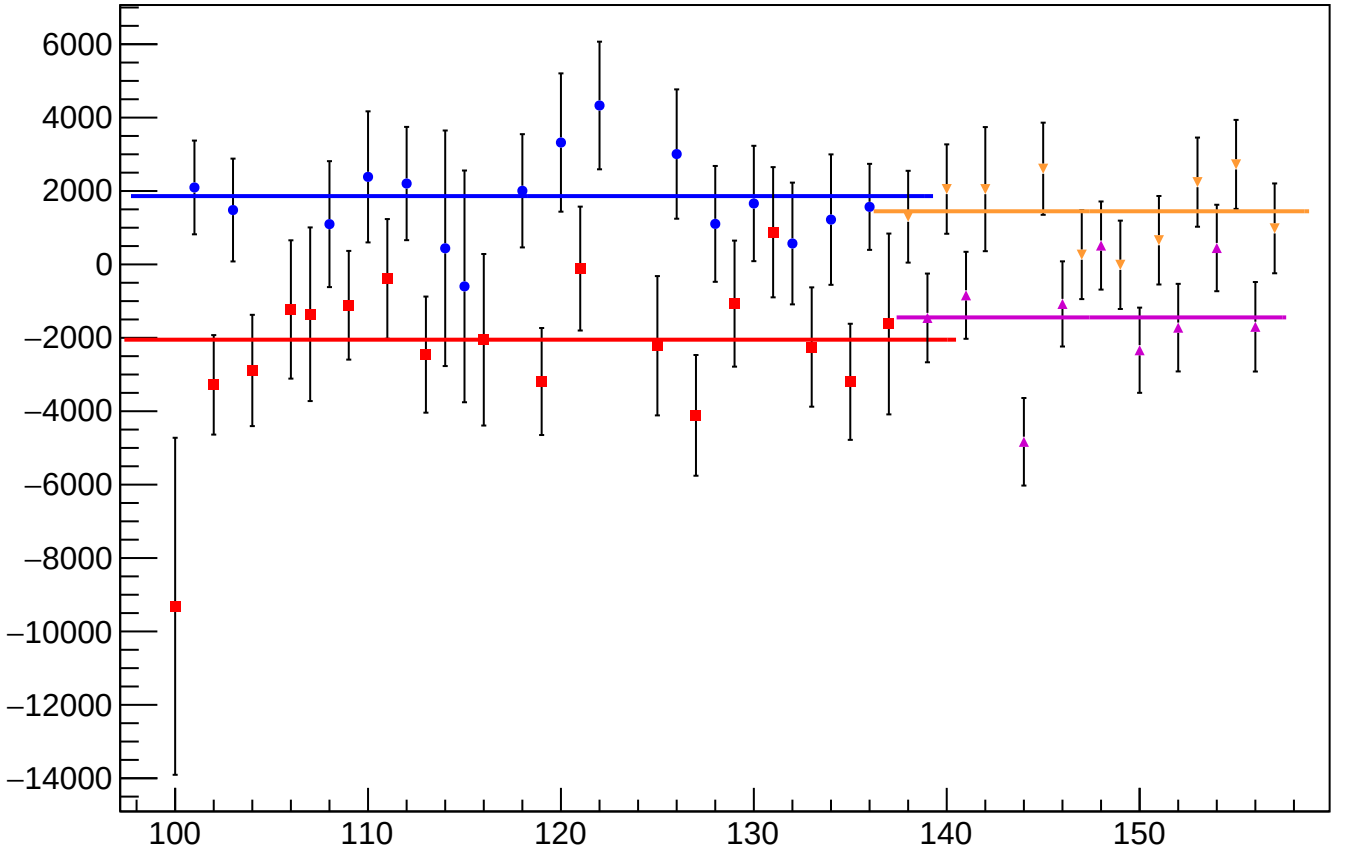
Left In: 1433.986+/-0.369 χ^2/NDF:434589.4/8

+ sign 1056.395+/-0.204 χ^2/NDF: 3223046.9/25

All: 1056.562+/-0.144 χ^2/NDF: 6507319.1/52

- sign 1056.728+/-0.204 χ^2/NDF: 3284270.9/26

eigen_cor_asym_usl_mean vs Slug



Right In: 1861.525+/-409.524 χ^2/NDF: 5.3/15

Left Out: 1447.939+/-395.787 χ^2/NDF:5.8/9

Right Out: -2050.842+/-409.249 χ^2/NDF: 12.5/17

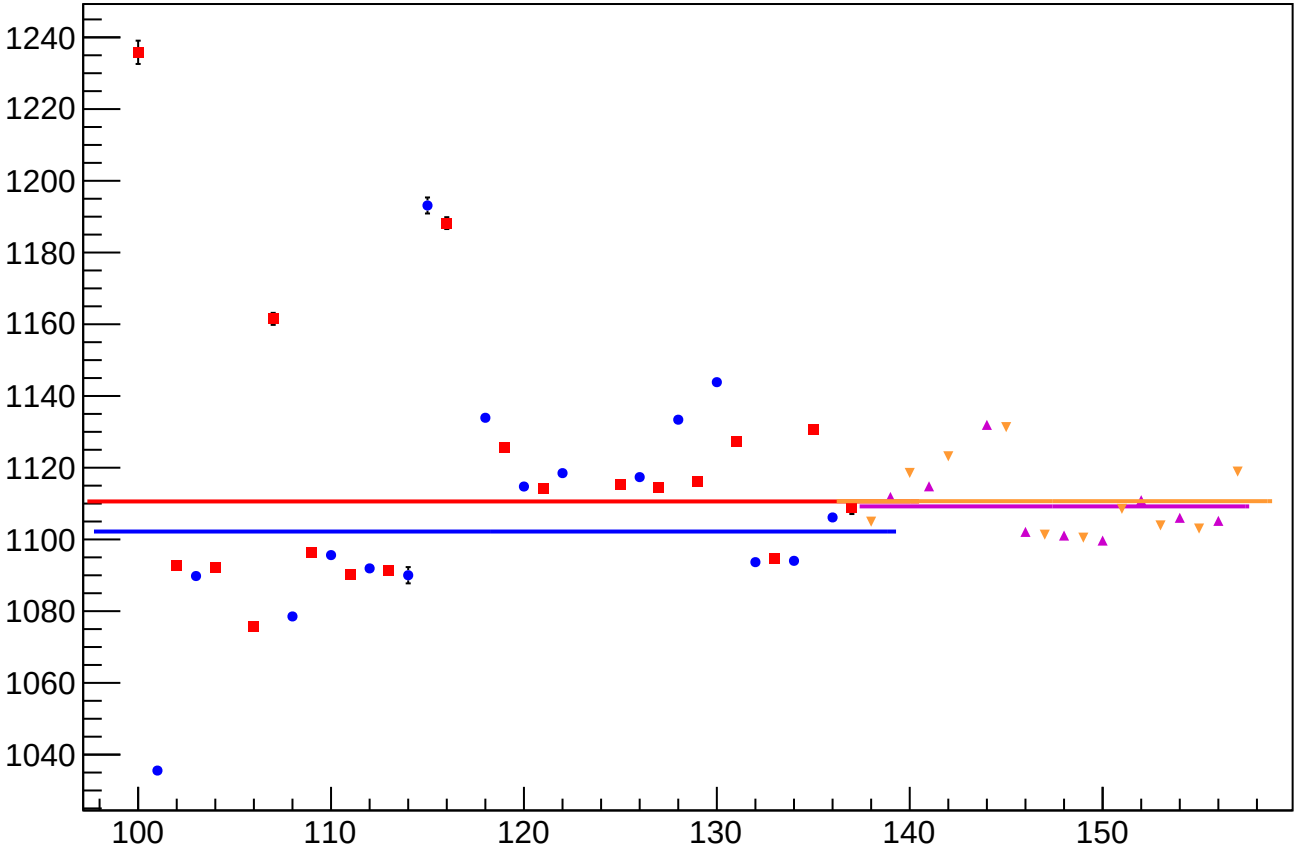
Left In: -1443.574+/-396.106 χ^2/NDF:14.4/8

+ sign 1647.679+/-284.596 χ^2/NDF: 11.6/25

All: -44.653+/-201.249 χ^2/NDF: 110.4/52

- sign -1737.301+/-284.622 χ^2/NDF: 28.0/26

eigen_cor_asym_usl_rms vs Slug



Right In: 1102.205+/-0.290 χ^2/NDF: 11348.9/15

Left Out: 1110.668+/-0.280 χ^2/NDF:1276.3/9

Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

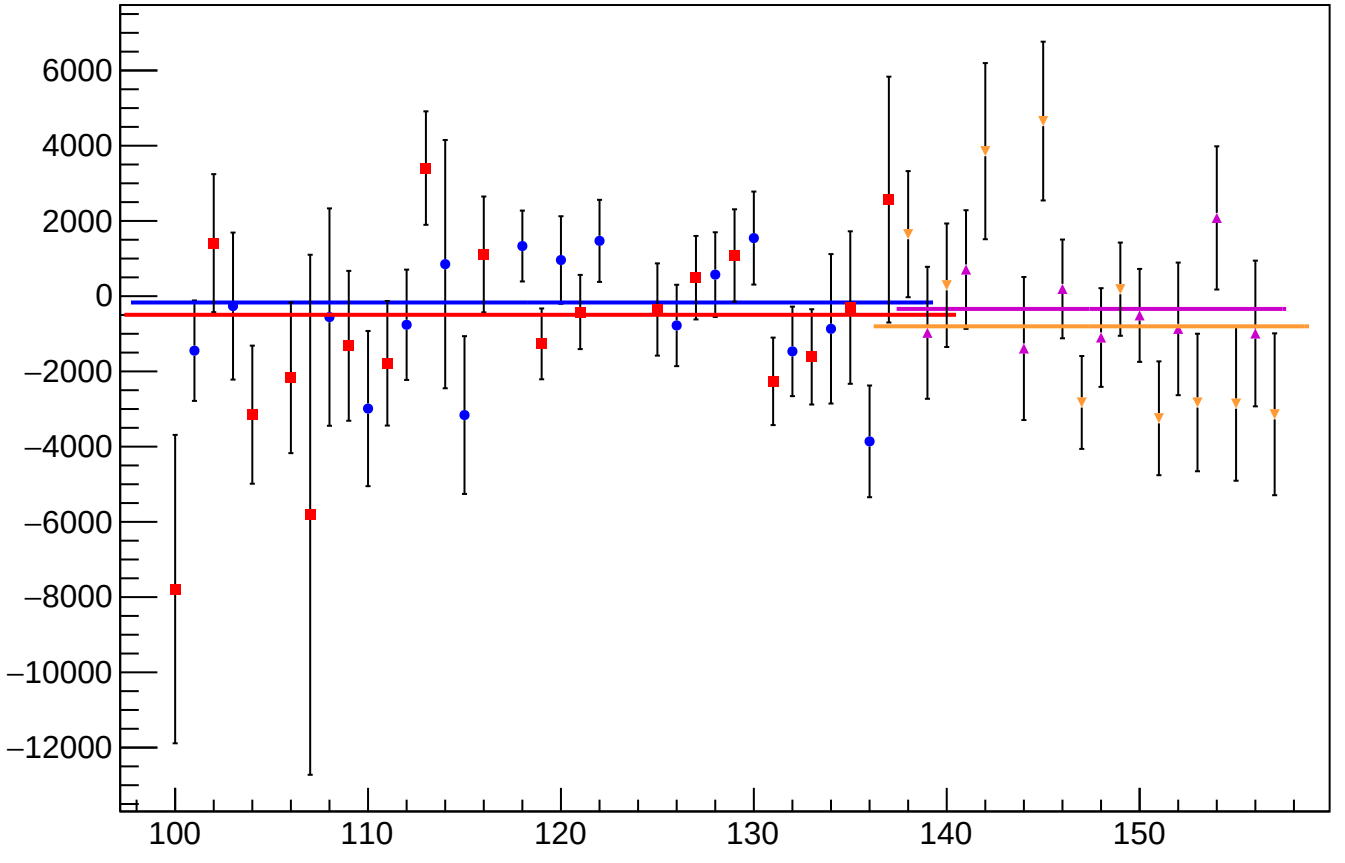
Left In: 1109.212+/-0.280 χ^2/NDF:1122.6/8

\+ sign 1106.581+/-0.201 χ^2/NDF: 13066.8/25

All: 1108.230+/-0.142 χ^2/NDF: 22031.6/52

\- sign 1109.879+/-0.201 χ^2/NDF: 8830.4/26

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -167.891+/-345.441 χ^2/NDF: 21.0/15

Left Out: -801.886+/-524.791 χ^2/NDF:22.6/9

Right Out: -495.172+/-345.054 χ^2/NDF: 23.3/17

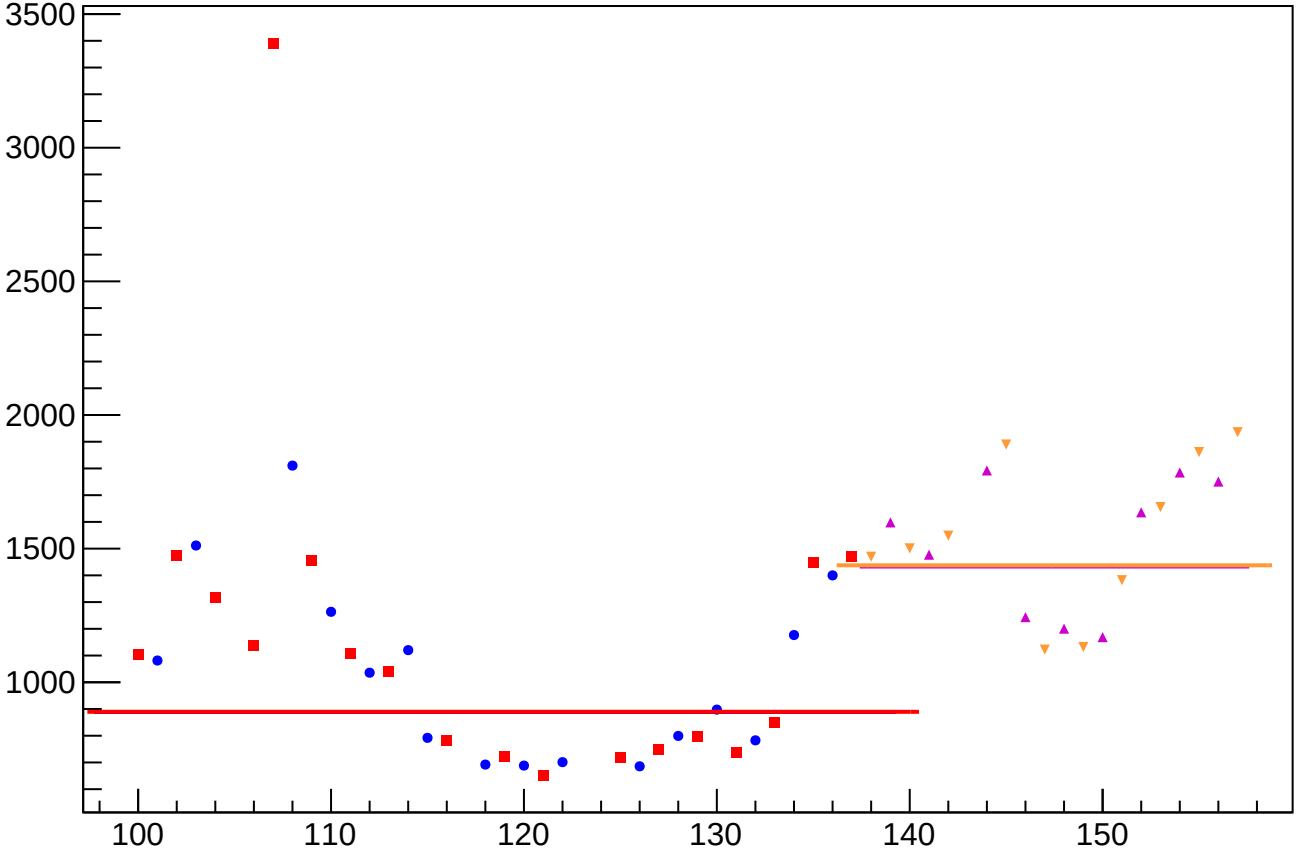
Left In: -338.926+/-520.950 χ^2/NDF:3.2/8

\+ sign -359.549+/-288.541 χ^2/NDF: 44.6/25

All: -403.671+/-203.722 χ^2/NDF: 71.2/52

\- sign -447.527+/-287.673 χ^2/NDF: 26.6/26

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 888.956+/-0.244 χ^2/NDF: 1132766.3/15

Left Out: 1437.620+/-0.371 χ^2/NDF:575885.0/9

Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

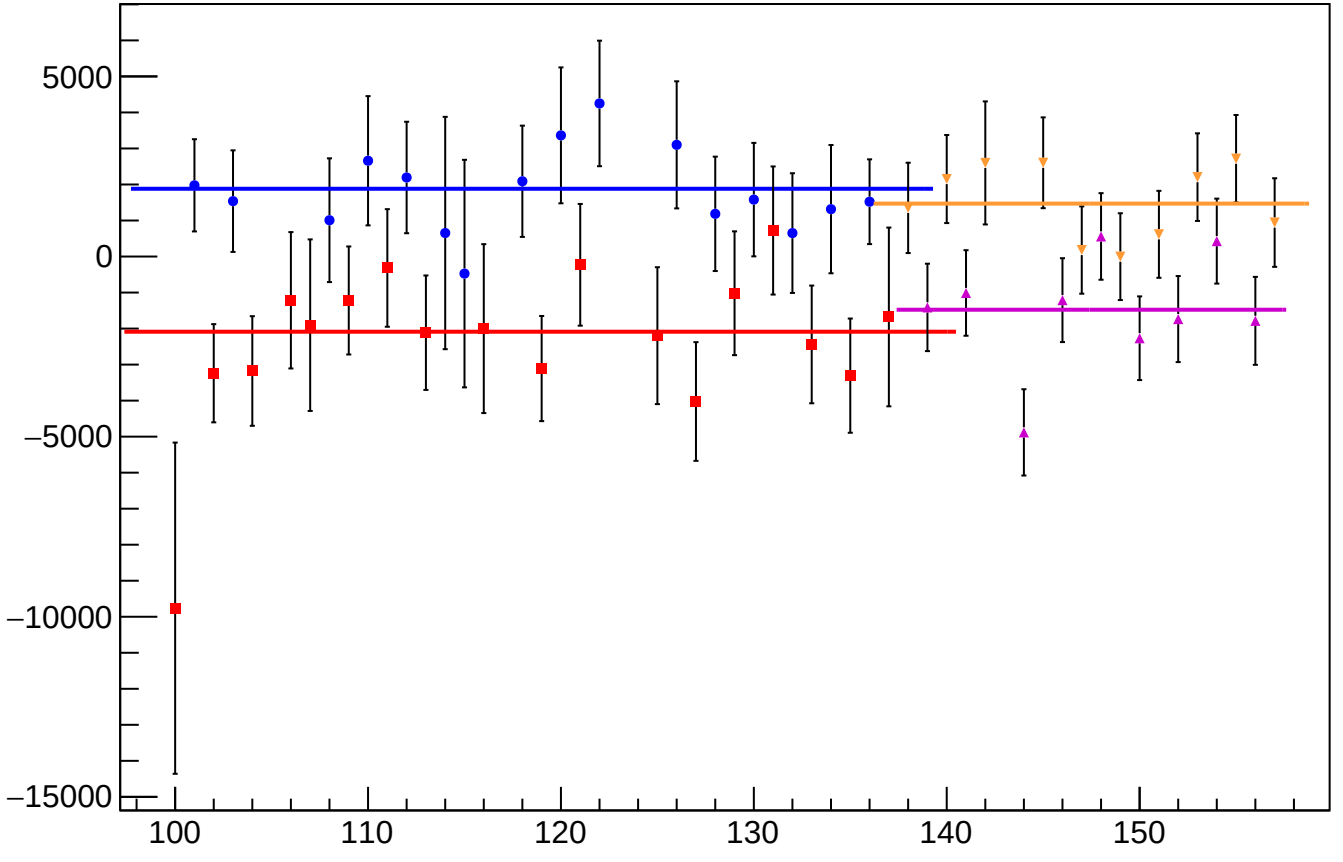
Left In: 1433.044+/-0.368 χ^2/NDF:435218.0/8

+ sign 1054.819+/-0.204 χ^2/NDF: 3233887.2/25

All: 1055.025+/-0.144 χ^2/NDF: 6528305.7/52

- sign 1055.230+/-0.203 χ^2/NDF: 3294416.4/26

dit_asym_usl_mean vs Slug



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1469.340+/-396.798 χ^2/NDF:6.3/9

Right Out: -2086.886+/-410.785 χ^2/NDF: 12.4/17

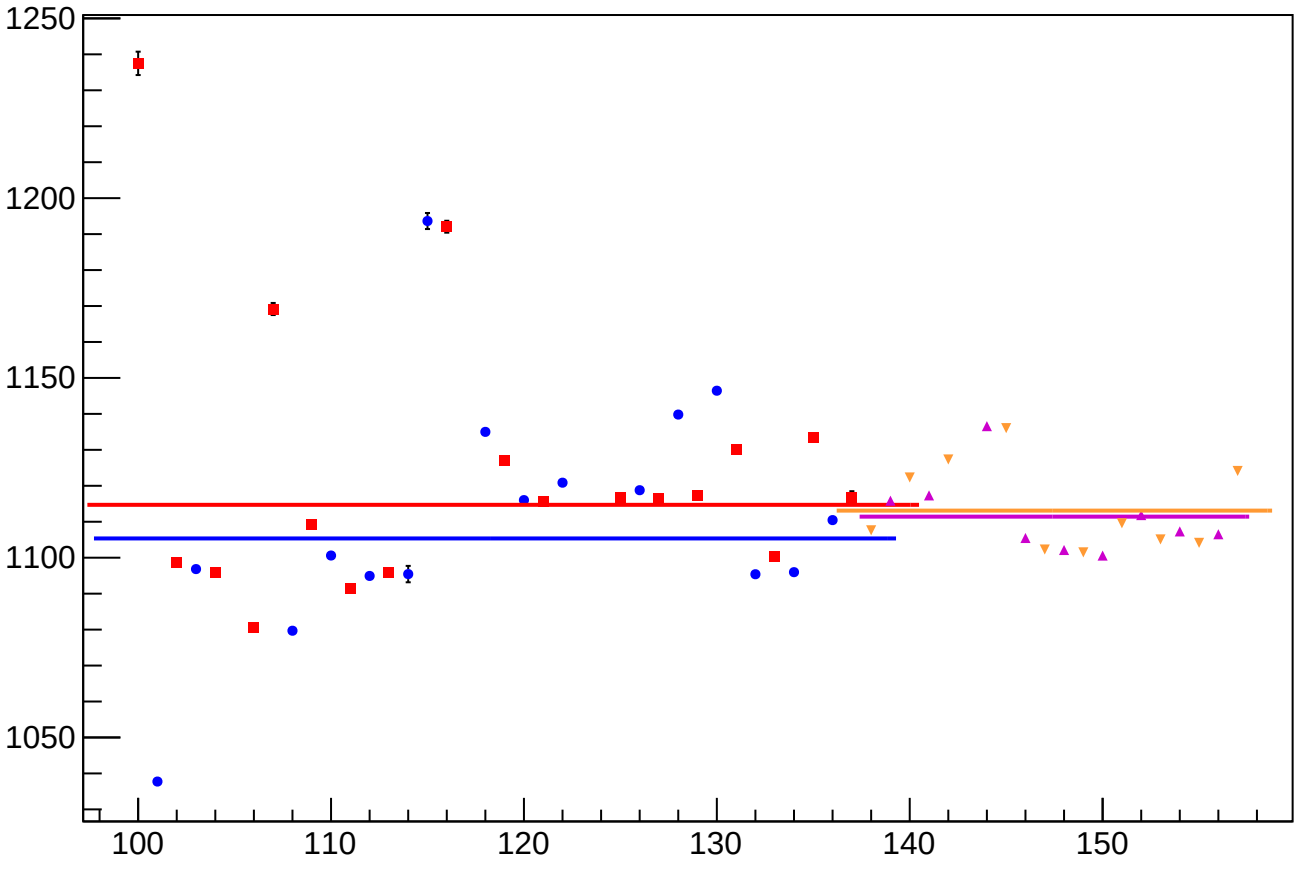
Left In: -1476.724+/-396.909 χ^2/NDF:14.3/8

+ sign 1668.338+/-285.367 χ^2/NDF: 12.0/25

All: -51.074+/-201.810 χ^2/NDF: 112.5/52

- sign -1771.326+/-285.437 χ^2/NDF: 27.9/26

dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

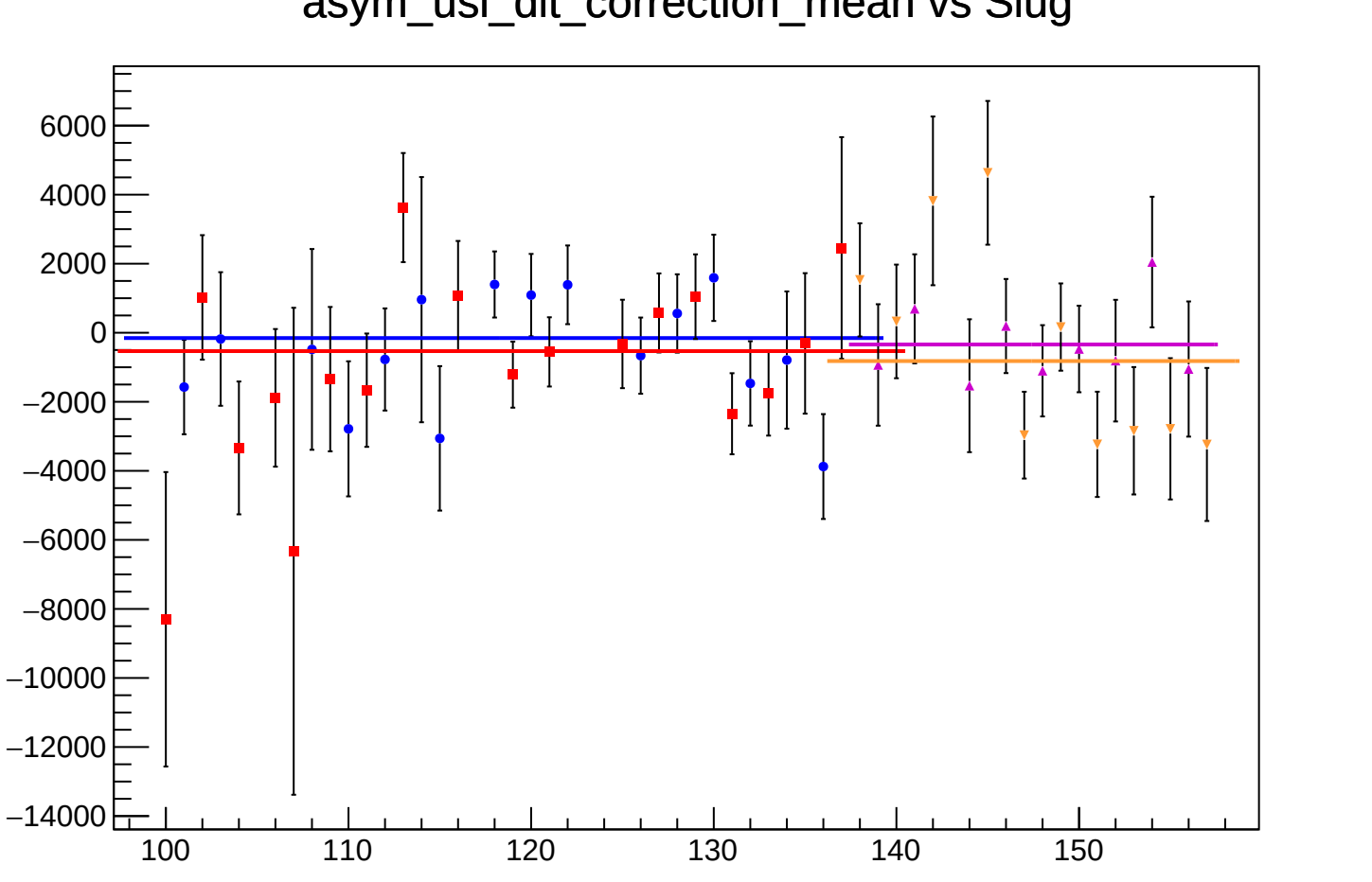
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.419+/-0.281 χ^2/NDF:1360.9/8

+ sign 1109.359+/-0.202 χ^2/NDF: 13370.7/25

All: 1111.182+/-0.143 χ^2/NDF: 22291.3/52

- sign 1113.006+/-0.202 χ^2/NDF: 8757.4/26



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -820.059+/-529.621 χ^2/NDF:22.3/9

Right Out: -532.155+/-350.407 χ^2/NDF: 23.2/17

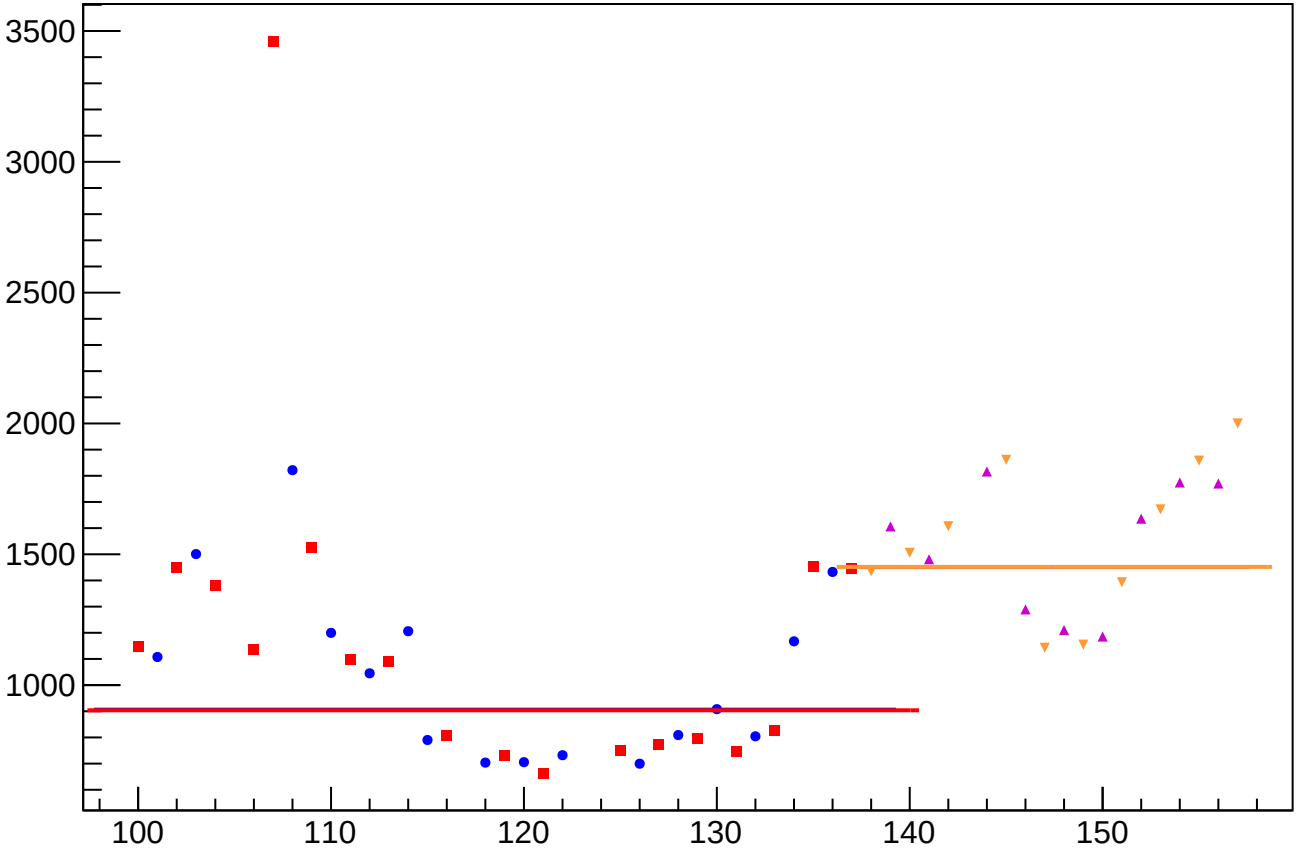
Left In: -340.677+/-526.759 χ^2/NDF:3.2/8

+ sign -357.523+/-292.763 χ^2/NDF: 43.9/25

All: -415.670+/-206.656 χ^2/NDF: 70.5/52

- sign -473.417+/-291.752 χ^2/NDF: 26.5/26

asym_usl_dit_correction_rms vs Slug



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1451.821+/-0.374 χ^2/NDF:551658.3/9

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

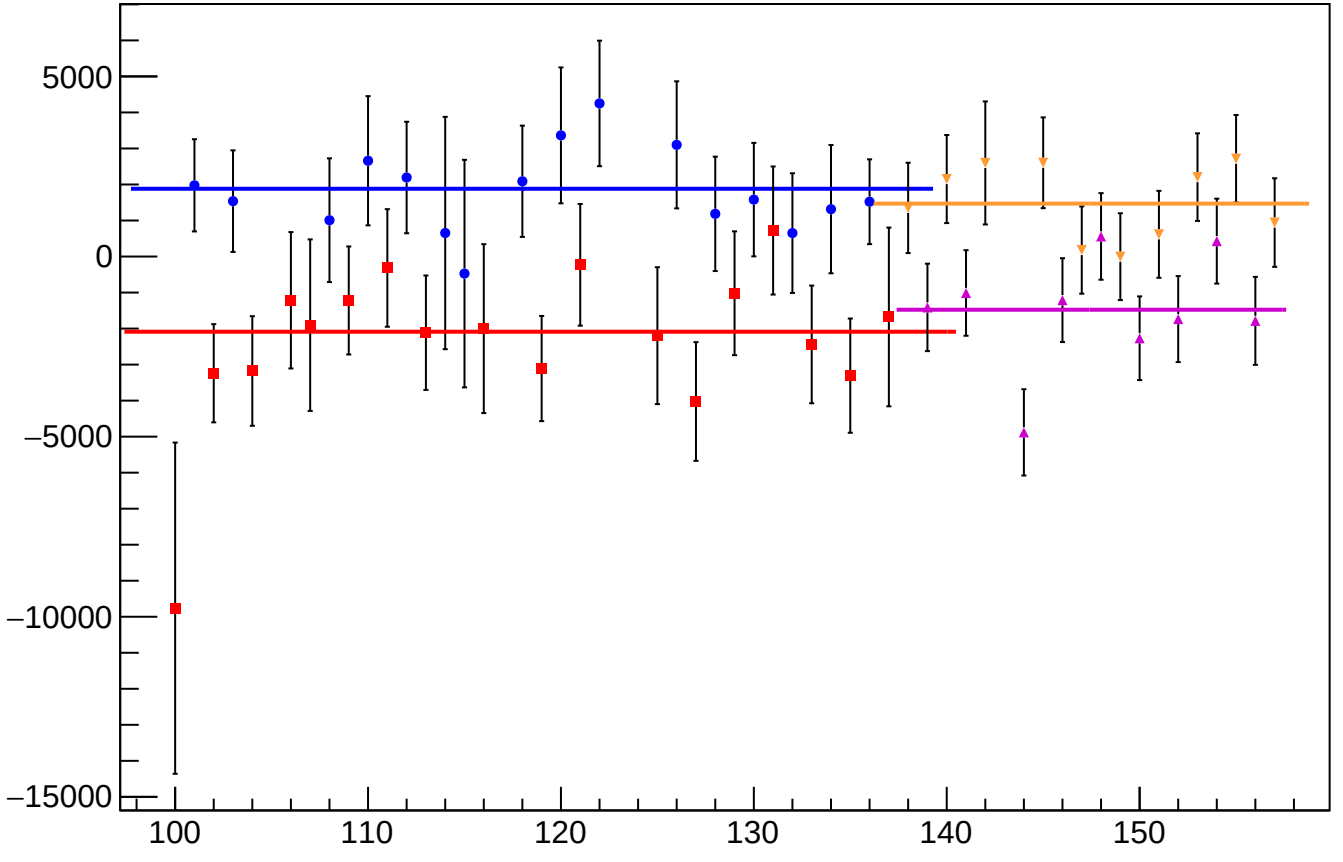
Left In: 1451.220+/-0.372 χ^2/NDF:406128.2/8

+ sign 1072.808+/-0.207 χ^2/NDF: 3106035.8/25

All: 1072.250+/-0.146 χ^2/NDF: 6349786.3/52

- sign 1071.696+/-0.206 χ^2/NDF: 3243736.1/26

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1469.335+/-396.798 χ^2/NDF:6.3/9

Right Out: -2086.884+/-410.785 χ^2/NDF: 12.4/17

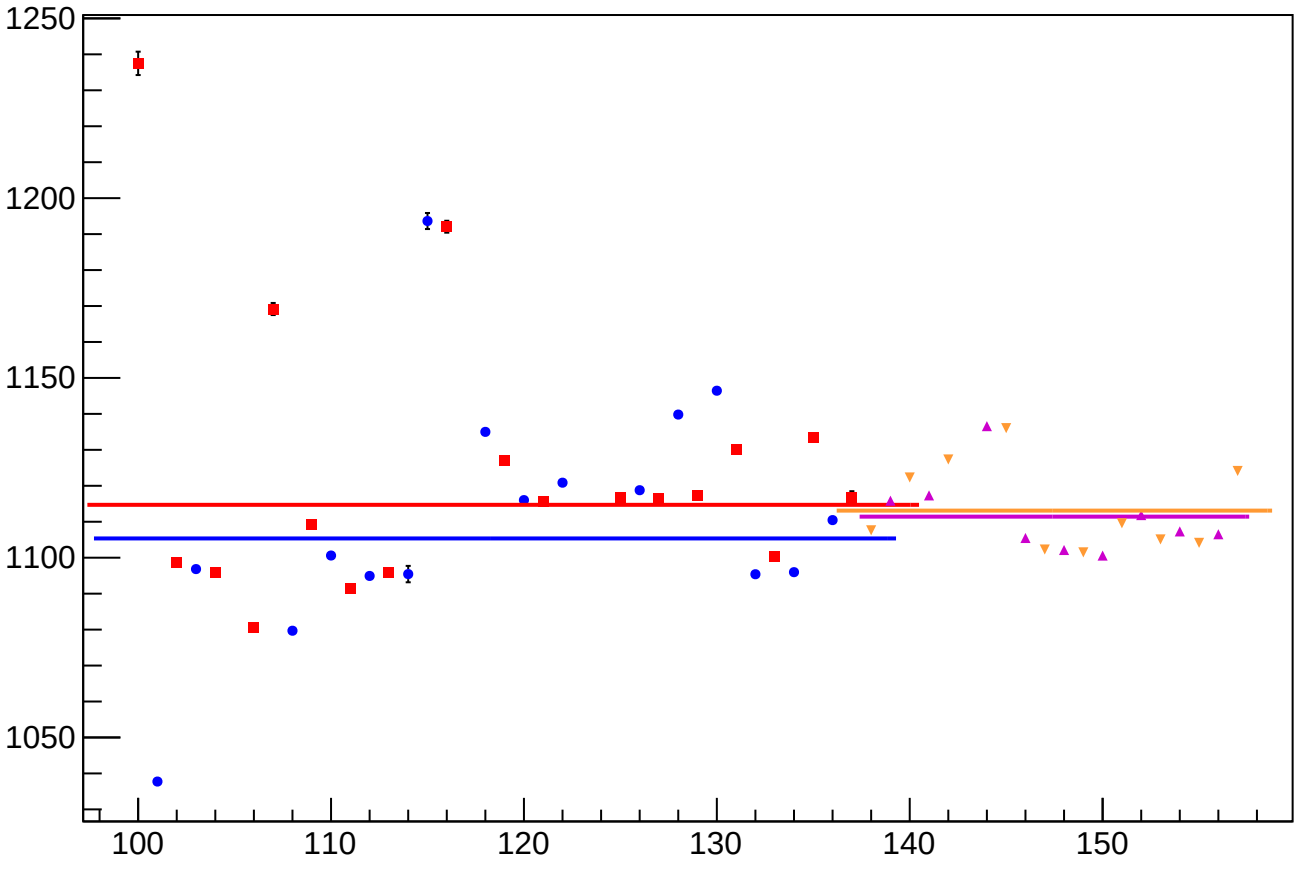
Left In: -1476.726+/-396.909 χ^2/NDF:14.3/8

+ sign 1668.335+/-285.367 χ^2/NDF: 12.0/25

All: -51.075+/-201.810 χ^2/NDF: 112.5/52

- sign -1771.325+/-285.437 χ^2/NDF: 27.9/26

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1113.096+/-0.281 χ^2/NDF:1672.3/9

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

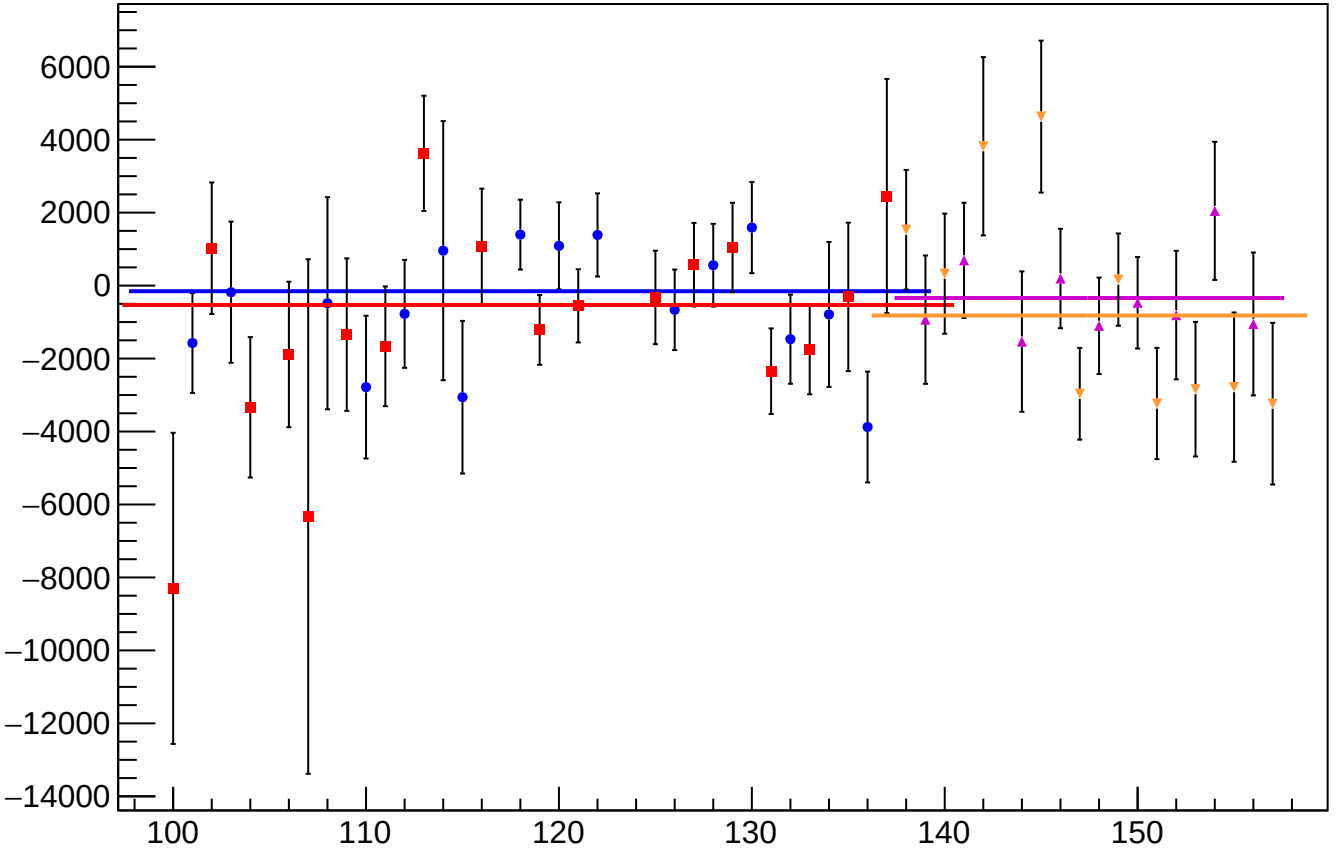
Left In: 1111.419+/-0.281 χ^2/NDF:1360.9/8

+ sign 1109.359+/-0.202 χ^2/NDF: 13370.7/25

All: 1111.182+/-0.143 χ^2/NDF: 22291.3/52

- sign 1113.006+/-0.202 χ^2/NDF: 8757.3/26

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -820.064+/-529.622 χ^2/NDF:22.3/9

Right Out: -532.154+/-350.406 χ^2/NDF: 23.2/17

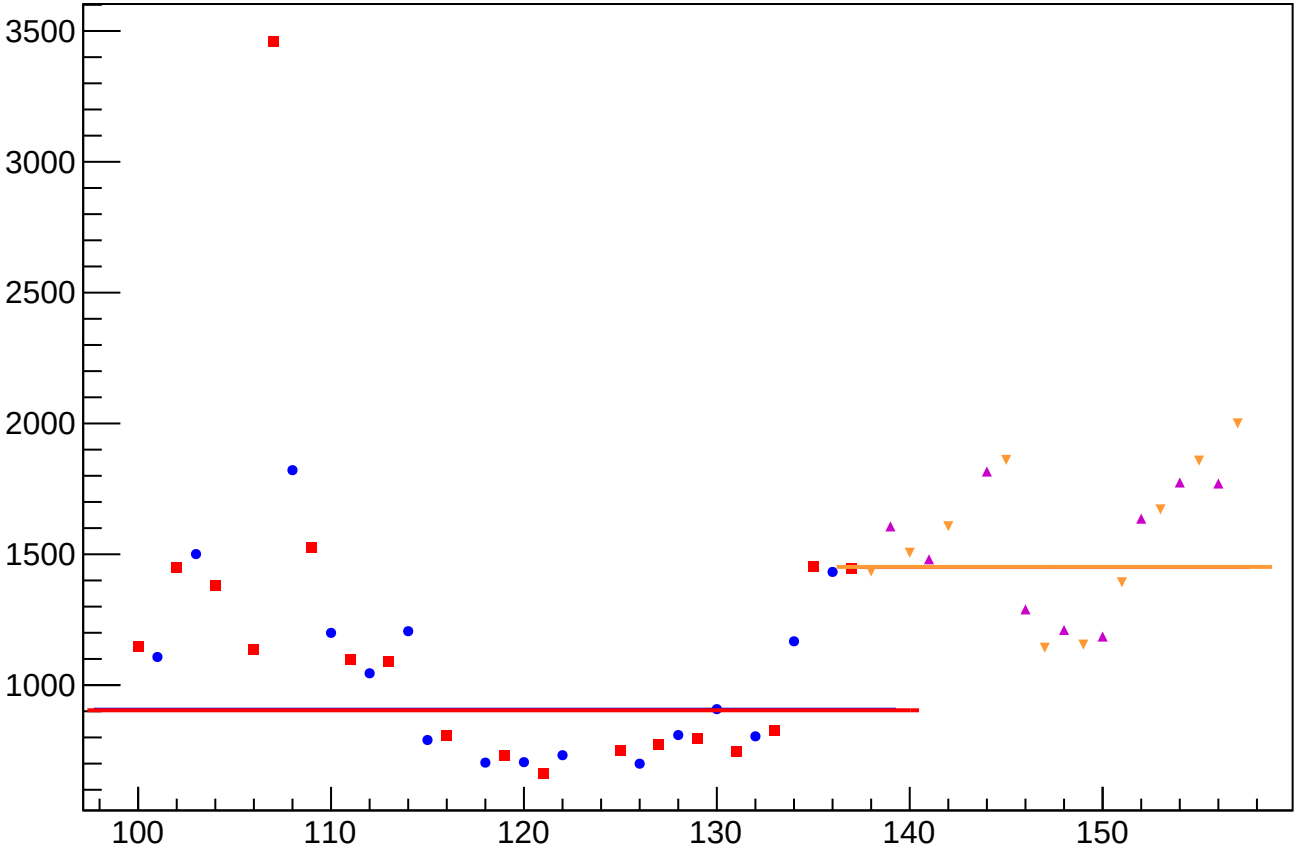
Left In: -340.679+/-526.760 χ^2/NDF:3.2/8

+ sign -357.522+/-292.763 χ^2/NDF: 43.9/25

All: -415.670+/-206.656 χ^2/NDF: 70.5/52

- sign -473.417+/-291.752 χ^2/NDF: 26.5/26

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1451.823+/-0.374 χ^2/NDF:551655.8/9

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

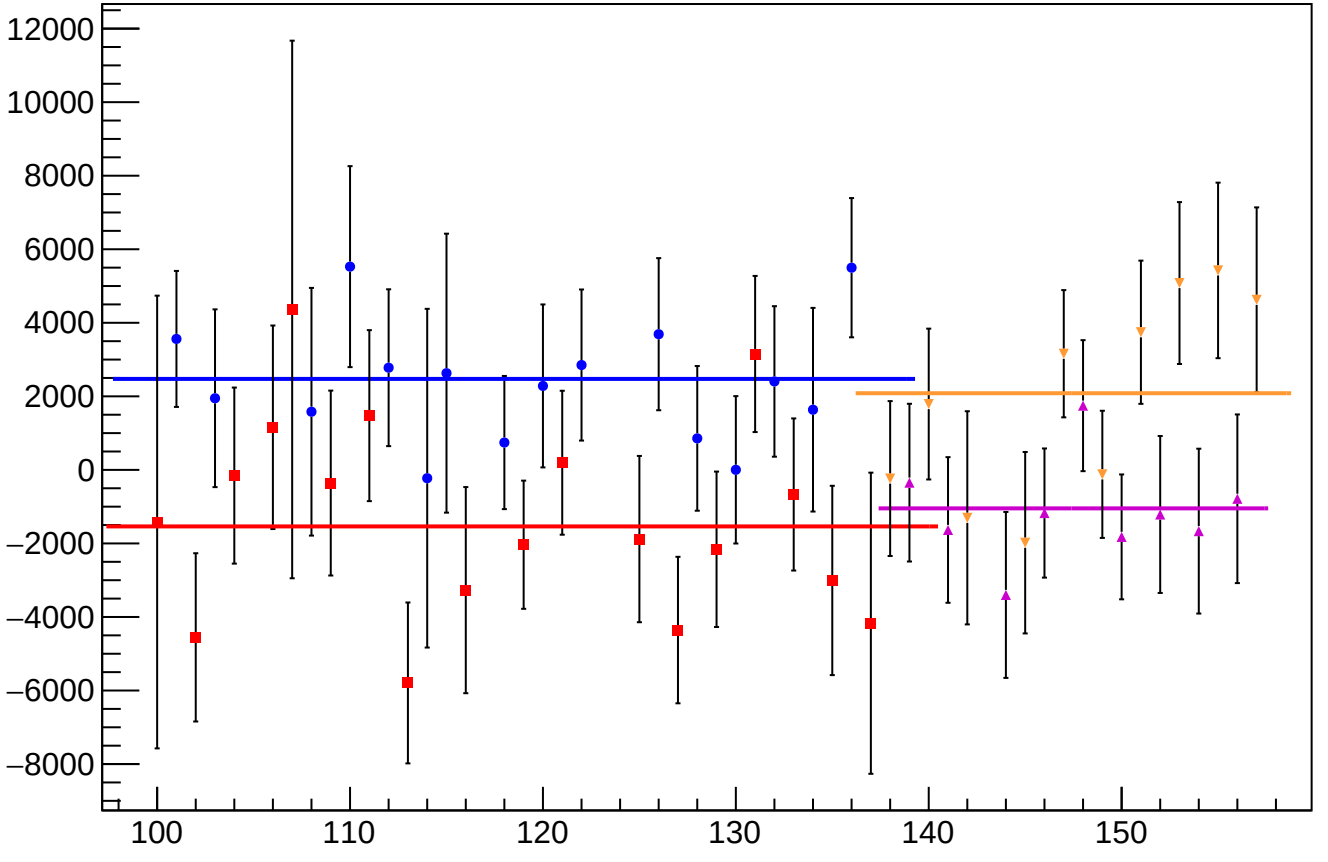
Left In: 1451.222+/-0.372 χ^2/NDF:406125.3/8

+ sign 1072.806+/-0.207 χ^2/NDF: 3106059.9/25

All: 1072.248+/-0.146 χ^2/NDF: 6349833.0/52

- sign 1071.694+/-0.206 χ^2/NDF: 3243758.6/26

asym_usl_mean vs Slug



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2084.880+/-671.329 χ^2/NDF:12.9/9

Right Out: -1537.435+/-563.556 χ^2/NDF: 18.5/17

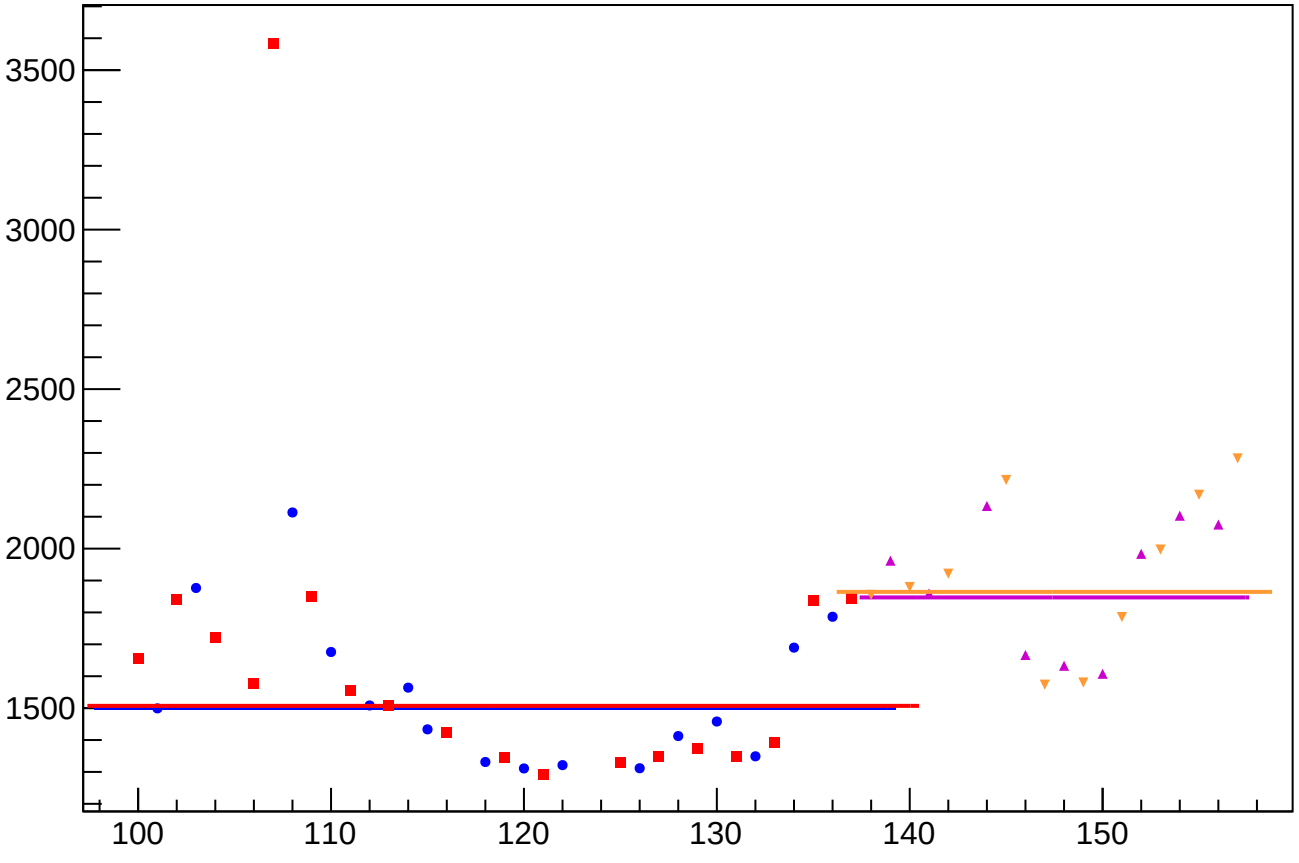
Left In: -1046.615+/-664.603 χ^2/NDF:4.1/8

+ sign 2313.436+/-431.290 χ^2/NDF: 21.3/25

All: 484.463+/-304.450 χ^2/NDF: 80.0/52

- sign -1332.136+/-429.828 χ^2/NDF: 22.9/26

asym_usl_rms vs Slug



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1864.445+/-0.475 χ^2/NDF:250378.5/9

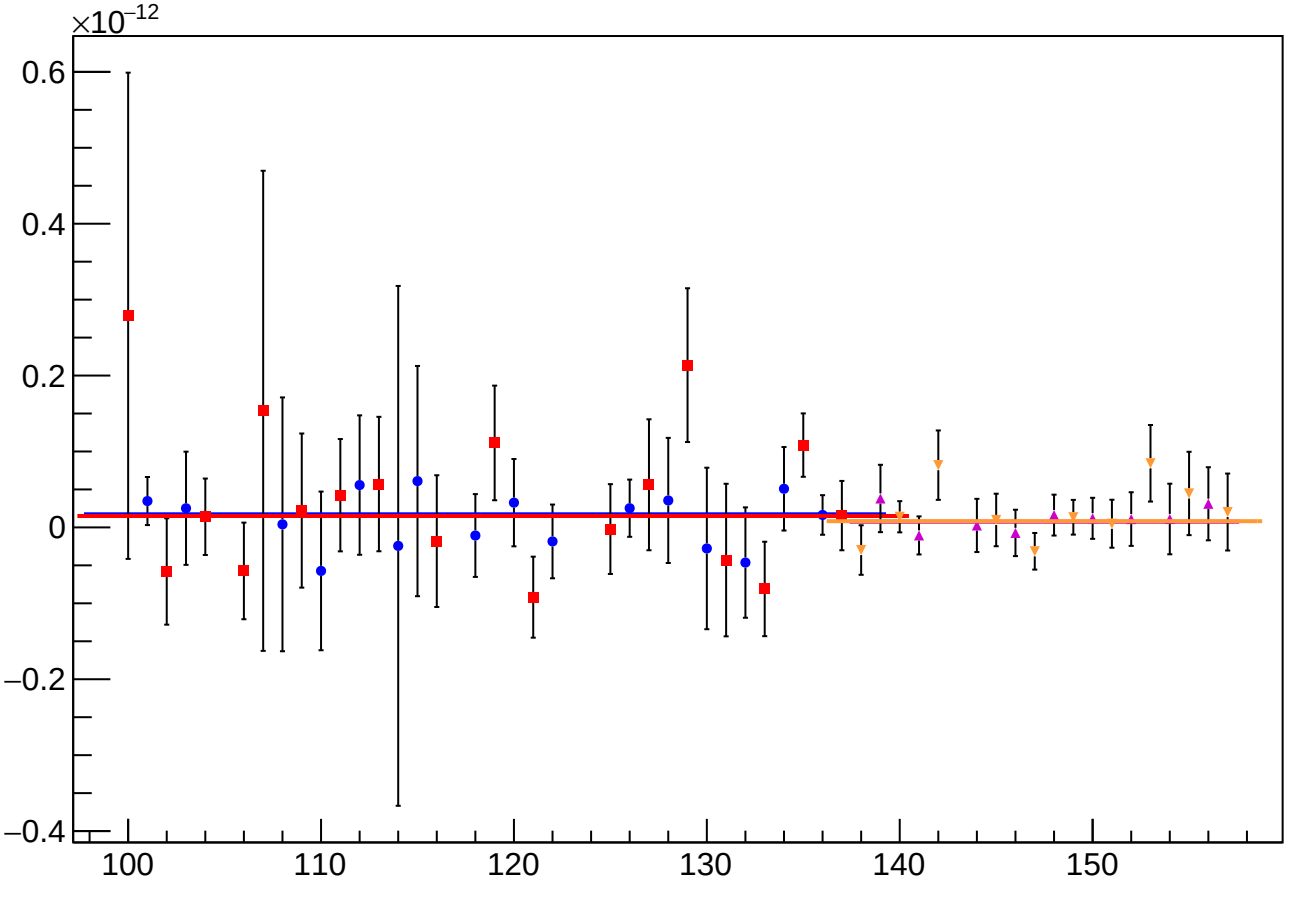
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1847.032+/-0.470 χ^2/NDF:182093.1/8

+ sign 1650.639+/-0.305 χ^2/NDF: 854601.3/25

All: 1649.960+/-0.215 χ^2/NDF: 1742308.3/52

- sign 1649.285+/-0.304 χ^2/NDF: 887697.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

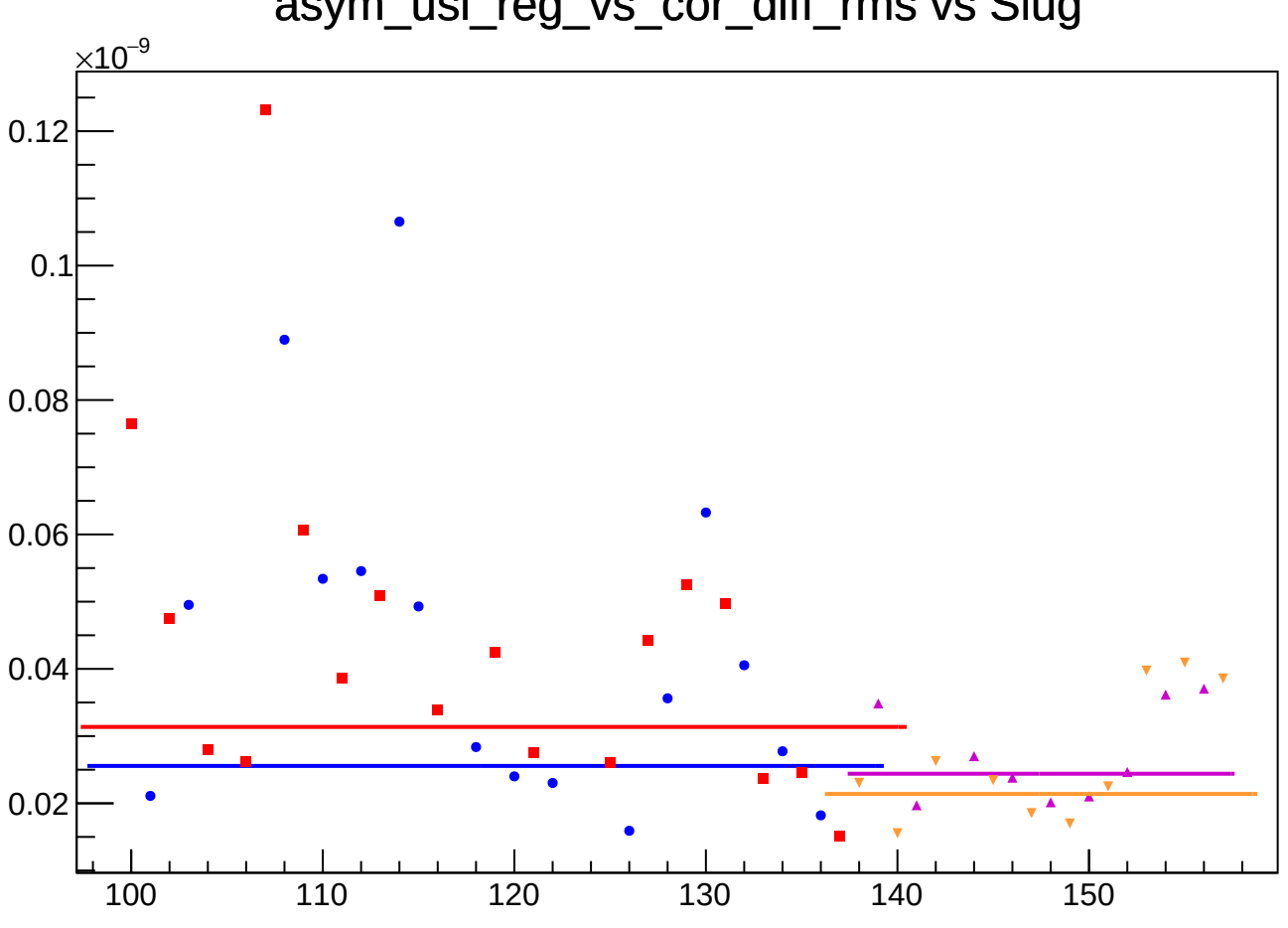
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 13.3/25

All: 0.000+/-0.000 χ^2/NDF: 36.4/52

- sign 0.000+/-0.000 χ^2/NDF: 23.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1049642.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

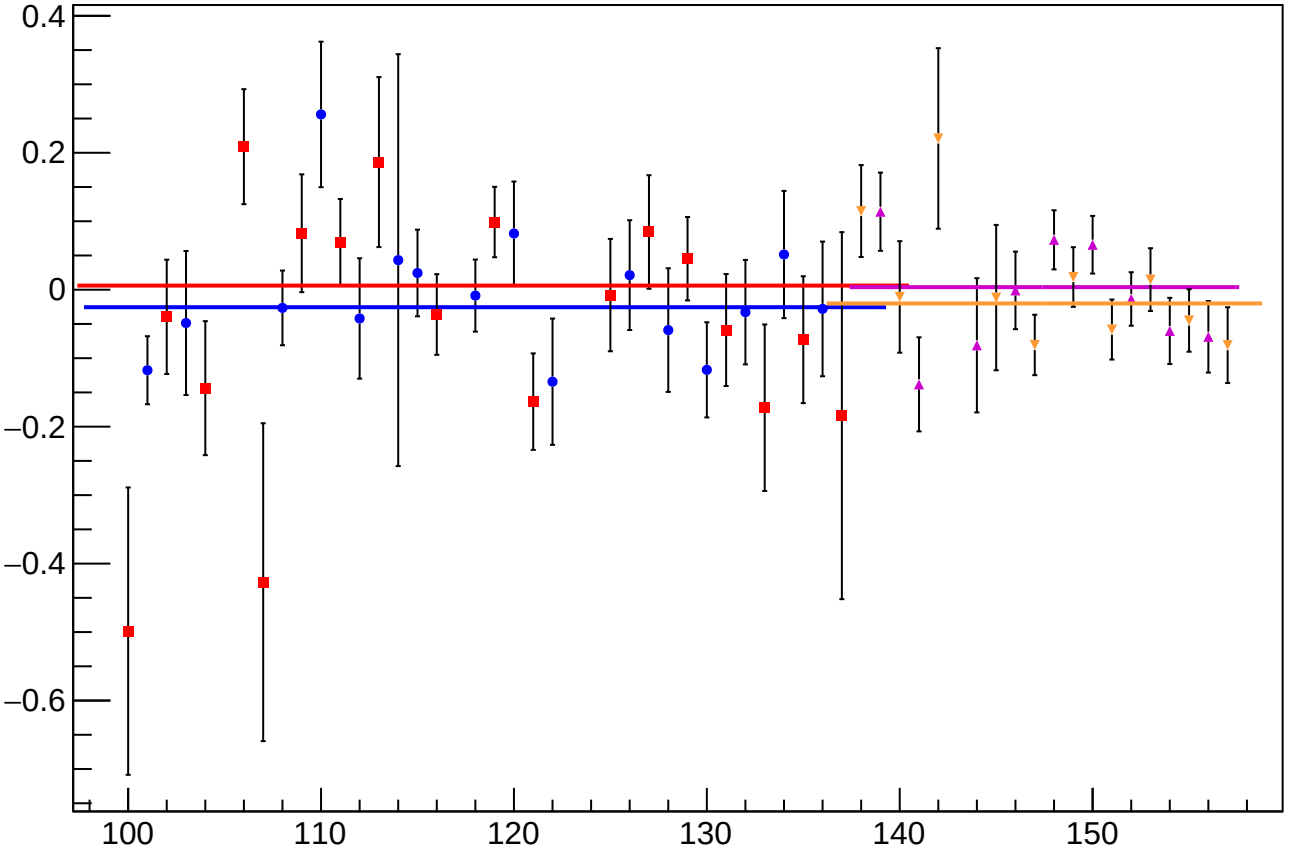
Left In: 0.000+/-0.000 χ^2/NDF:540170.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 2882034.2/25

All: 0.000+/-0.000 χ^2/NDF: 5102220.9/52

- sign 0.000+/-0.000 χ^2/NDF: 2024833.4/26

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

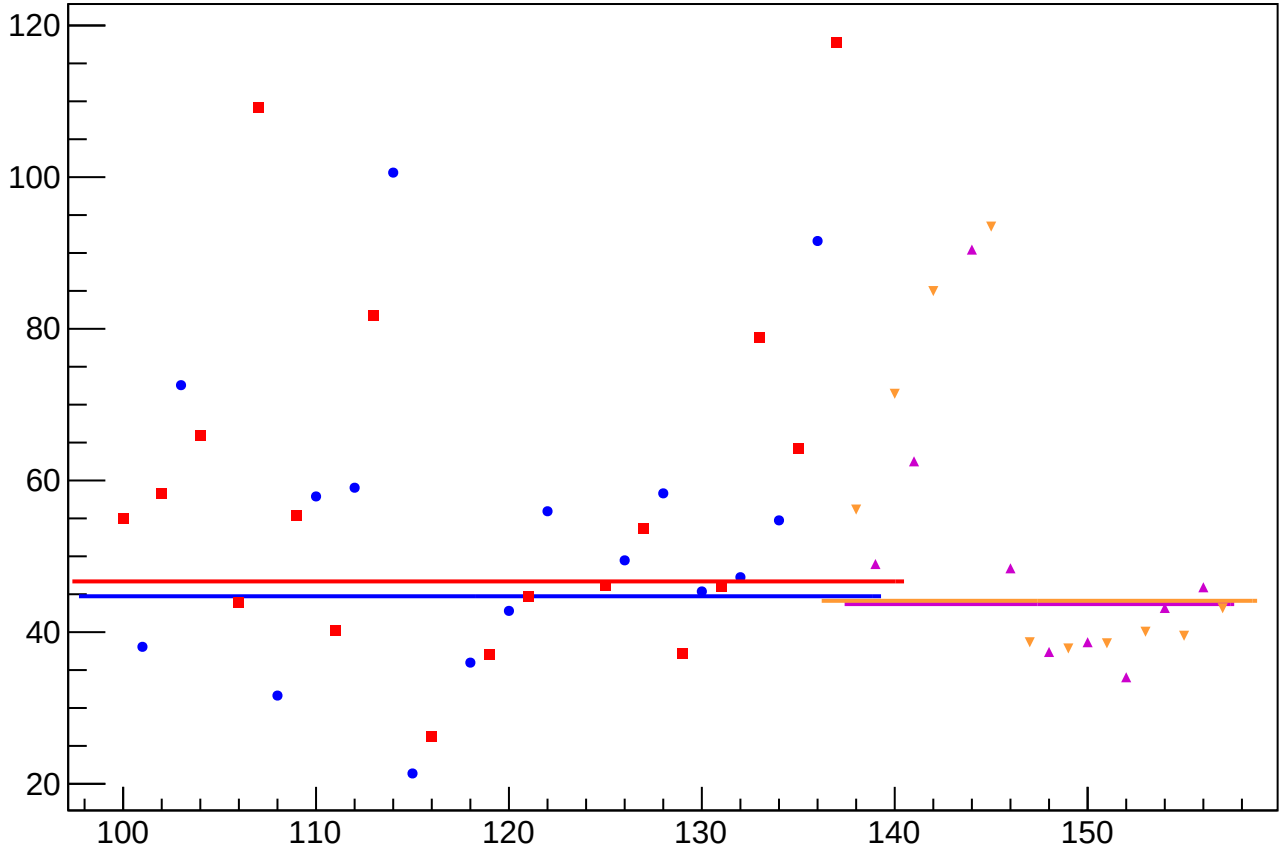
Left In: 0.004+/-0.017 χ^2/NDF:17.3/8

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/52

- sign 0.005+/-0.013 χ^2/NDF: 53.9/26

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

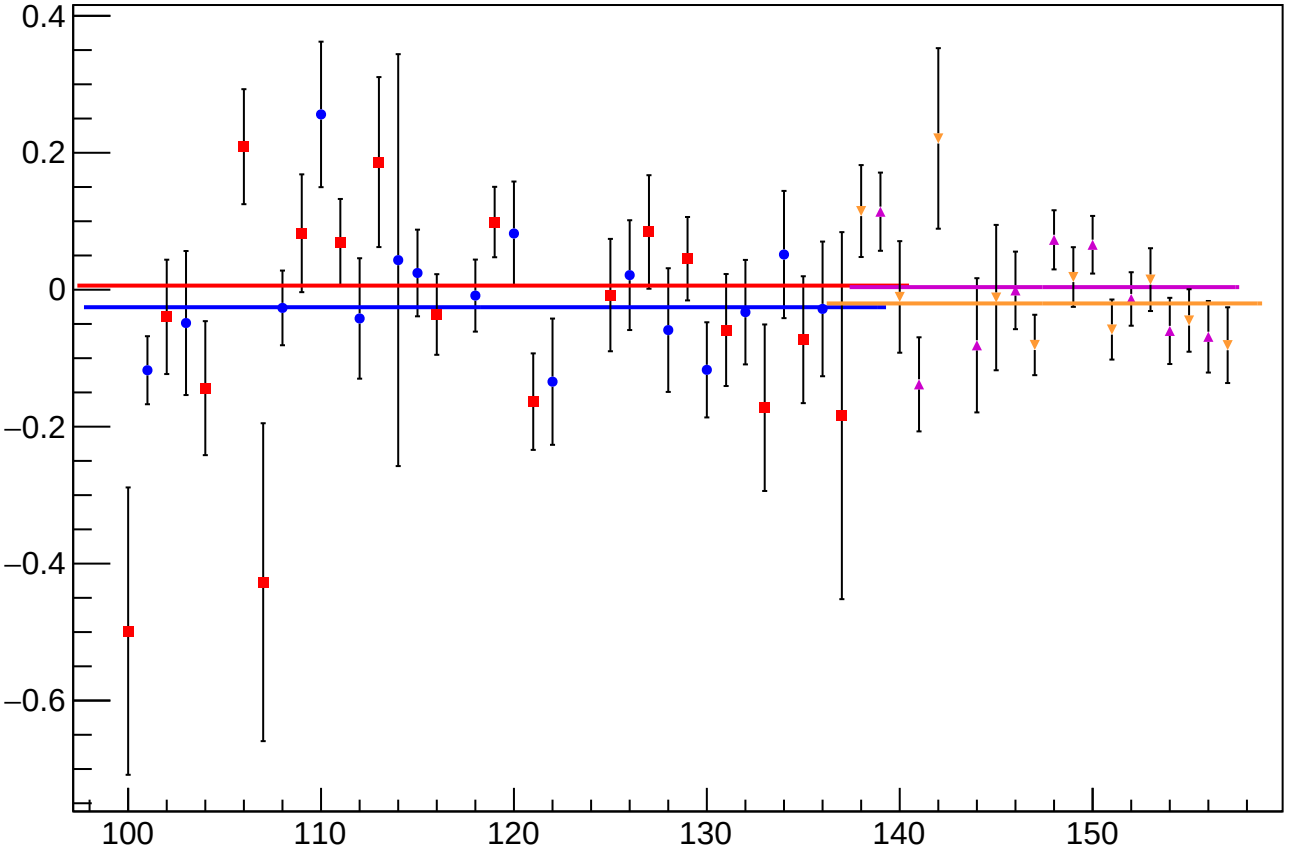
Left In: 43.701+/-0.012 χ^2/NDF:833267.2/8

+ sign 44.408+/-0.009 χ^2/NDF: 2390251.2/25

All: 44.700+/-0.006 χ^2/NDF: 4448070.1/52

- sign 44.995+/-0.009 χ^2/NDF: 2055695.9/26

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

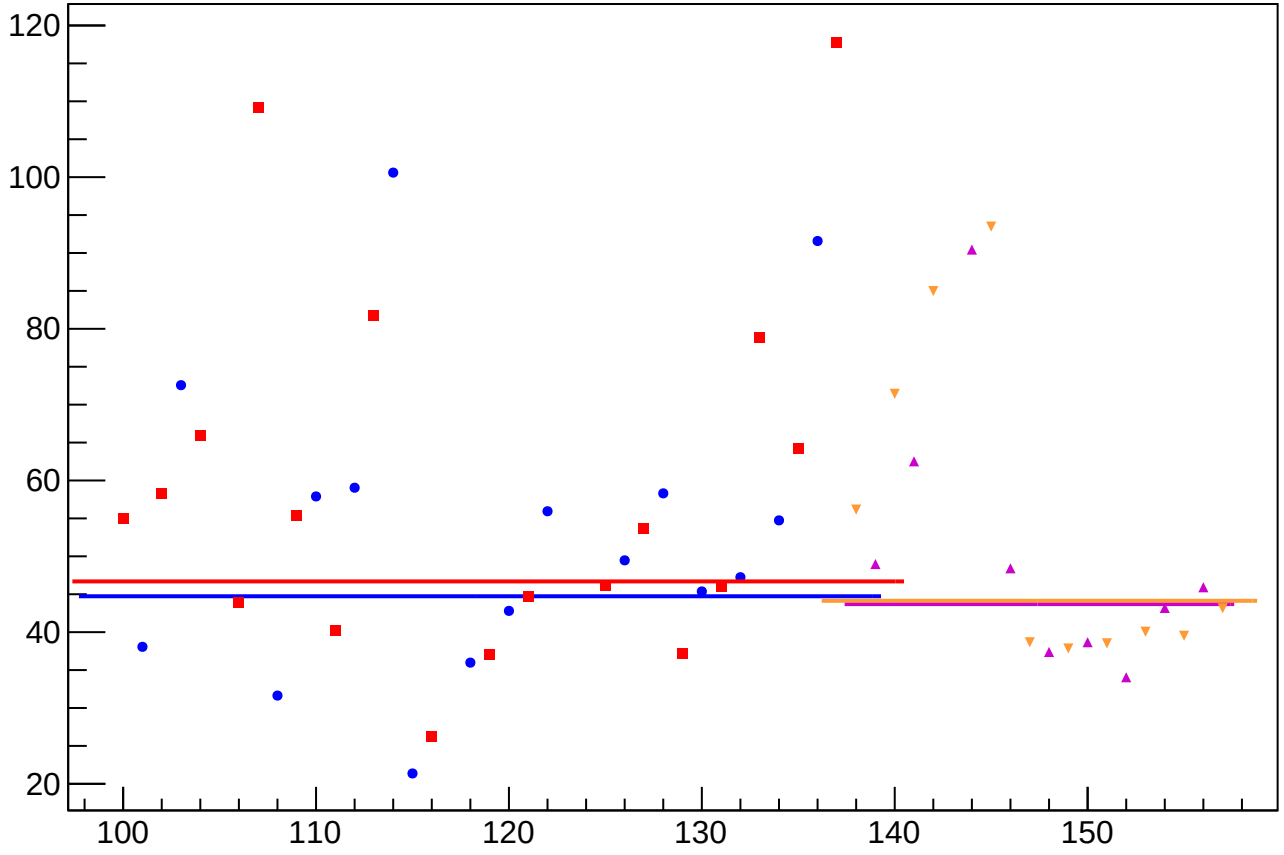
Left In: 0.004+/-0.017 χ^2/NDF:17.3/8

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/52

- sign 0.005+/-0.013 χ^2/NDF: 53.9/26

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054605.0/9

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

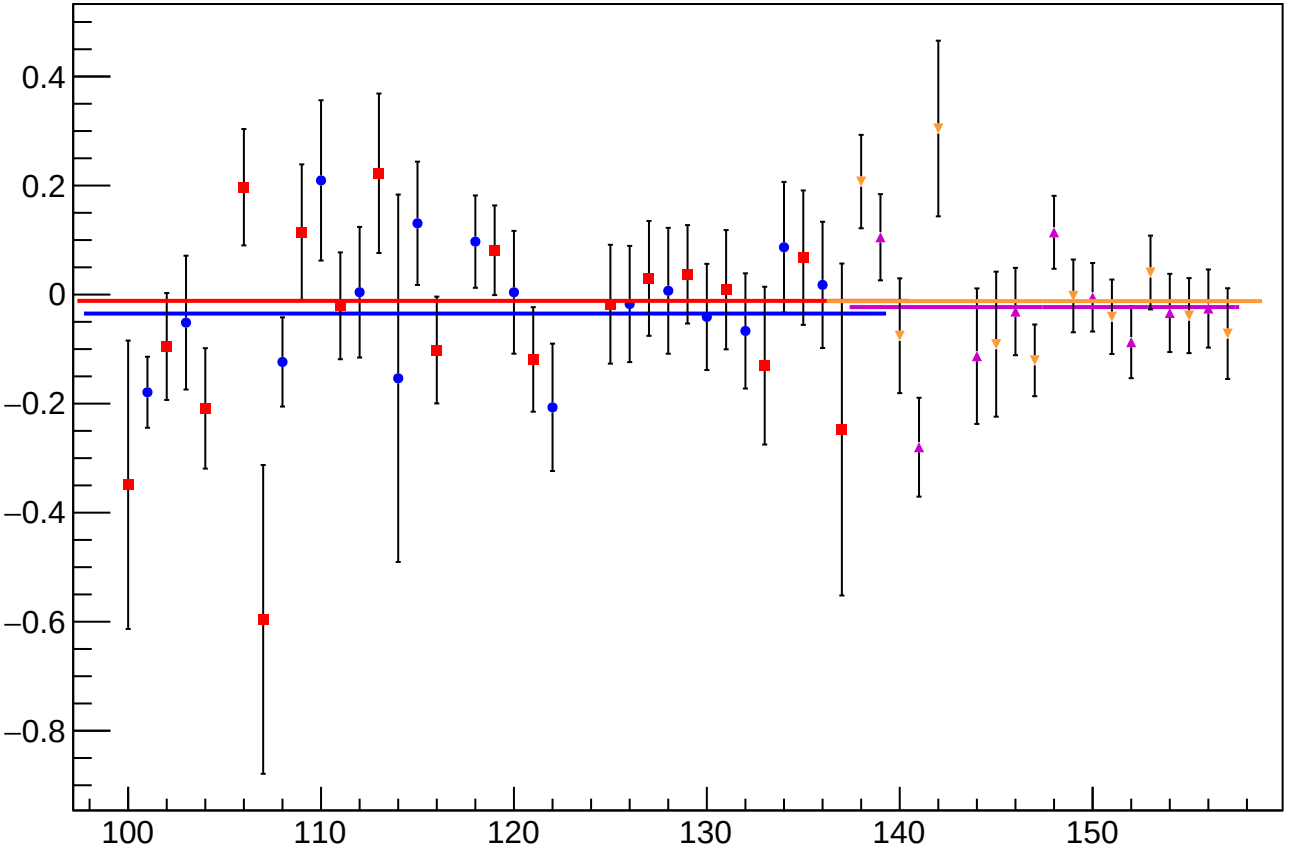
Left In: 43.701+/-0.012 χ^2/NDF:833267.2/8

+ sign 44.408+/-0.009 χ^2/NDF: 2390251.2/25

All: 44.700+/-0.006 χ^2/NDF: 4448070.1/52

- sign 44.995+/-0.009 χ^2/NDF: 2055695.9/26

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.025 χ^2/NDF:15.3/9

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

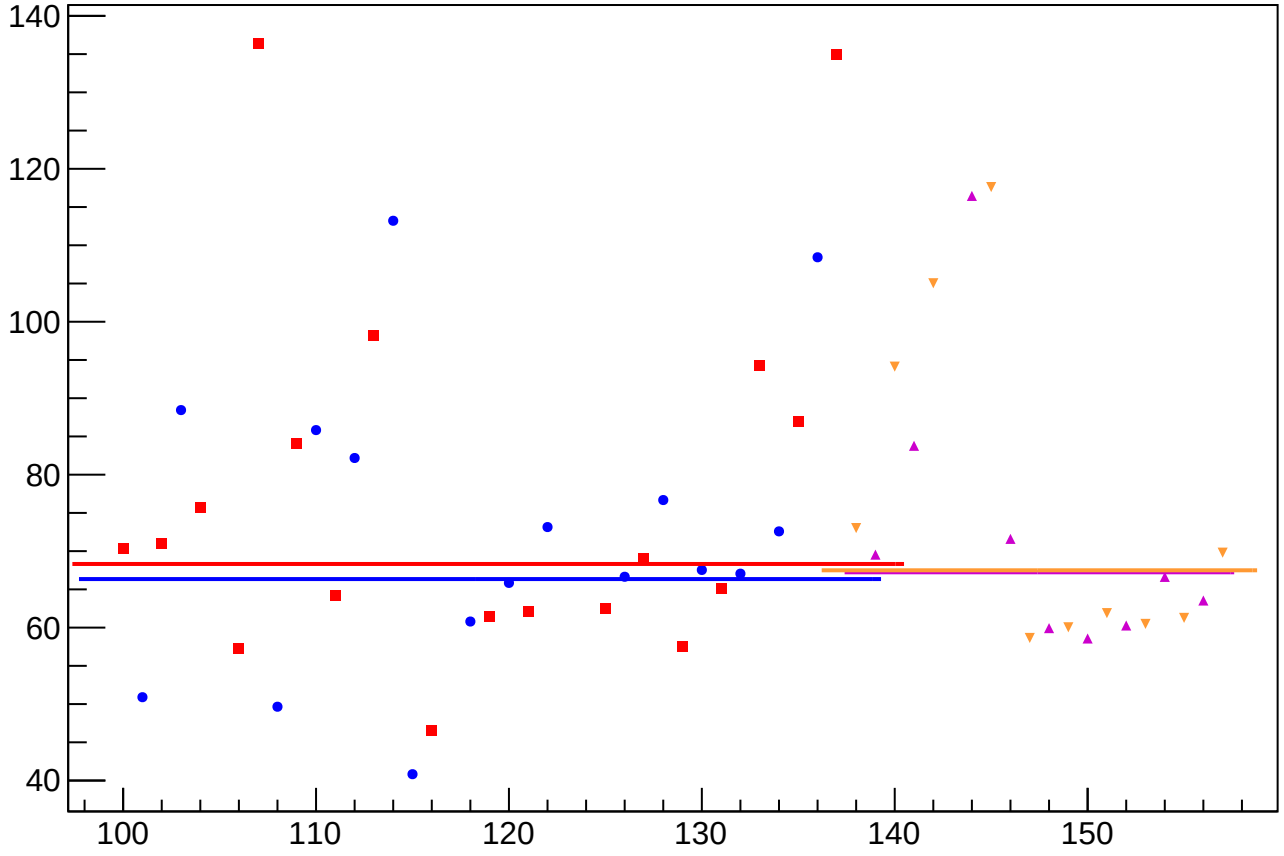
Left In: -0.023+/-0.025 χ^2/NDF:16.4/8

+ sign -0.023+/-0.018 χ^2/NDF: 33.2/25

All: -0.020+/-0.013 χ^2/NDF: 72.5/52

- sign -0.018+/-0.018 χ^2/NDF: 39.3/26

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.495+/-0.018 χ^2/NDF:642834.1/9

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

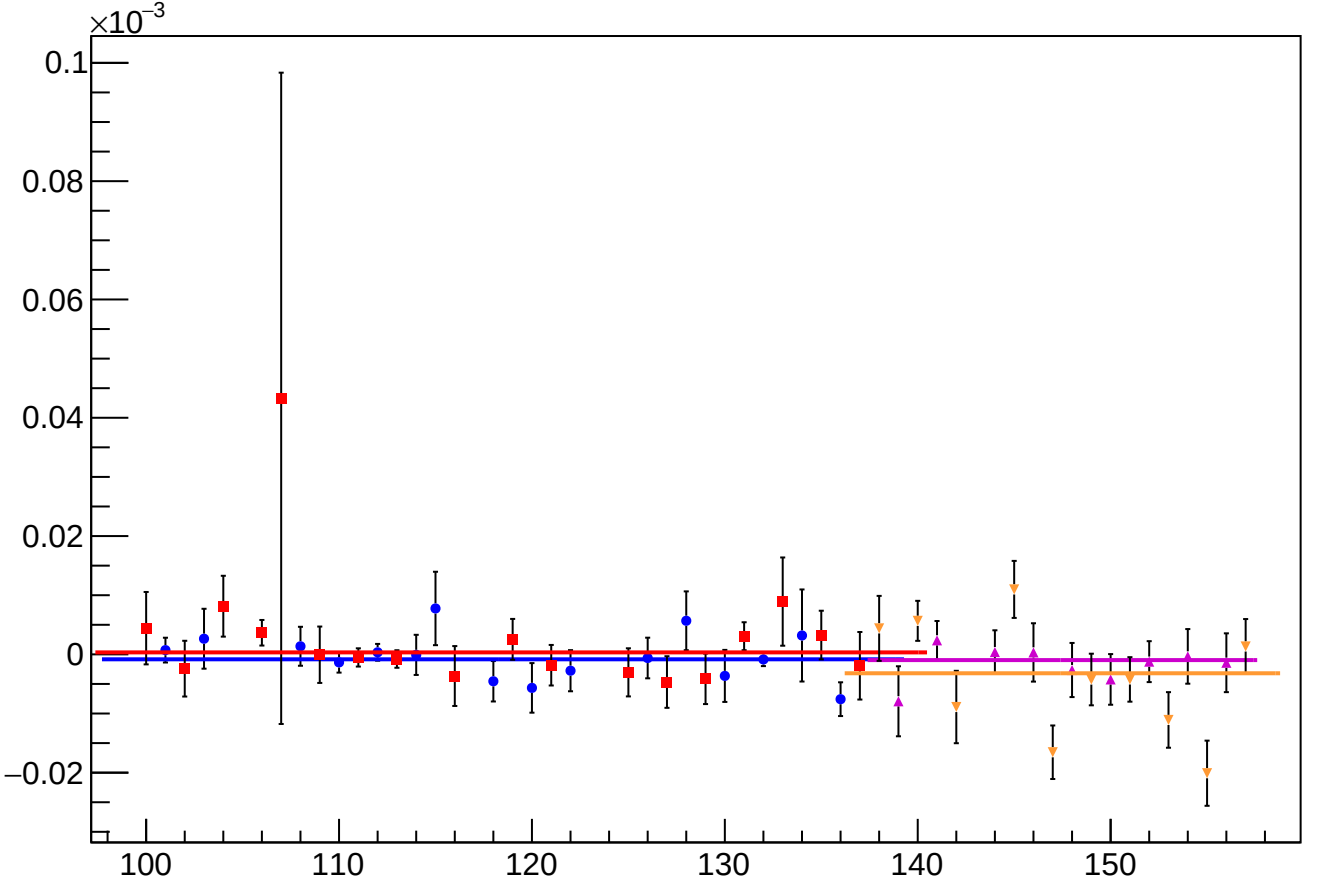
Left In: 67.233+/-0.018 χ^2/NDF:477249.3/8

+ sign 66.944+/-0.013 χ^2/NDF: 1417465.9/25

All: 67.339+/-0.009 χ^2/NDF: 2528032.6/52

- sign 67.738+/-0.013 χ^2/NDF: 1108675.6/26

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

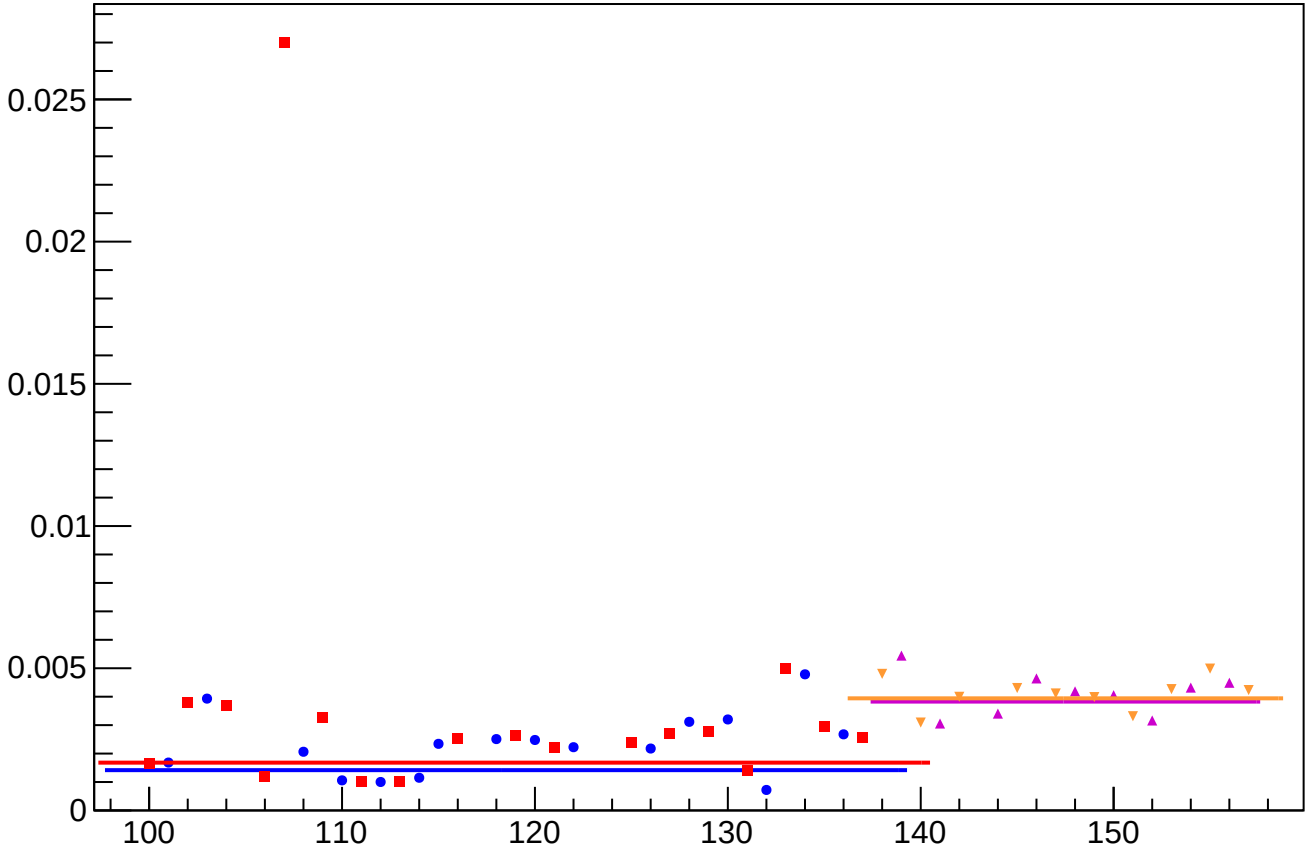
Left In: -0.000+/-0.000 χ^2/NDF:3.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/25

All: -0.000+/-0.000 χ^2/NDF: 78.7/52

- sign 0.000+/-0.000 χ^2/NDF: 18.9/26

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:335839.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

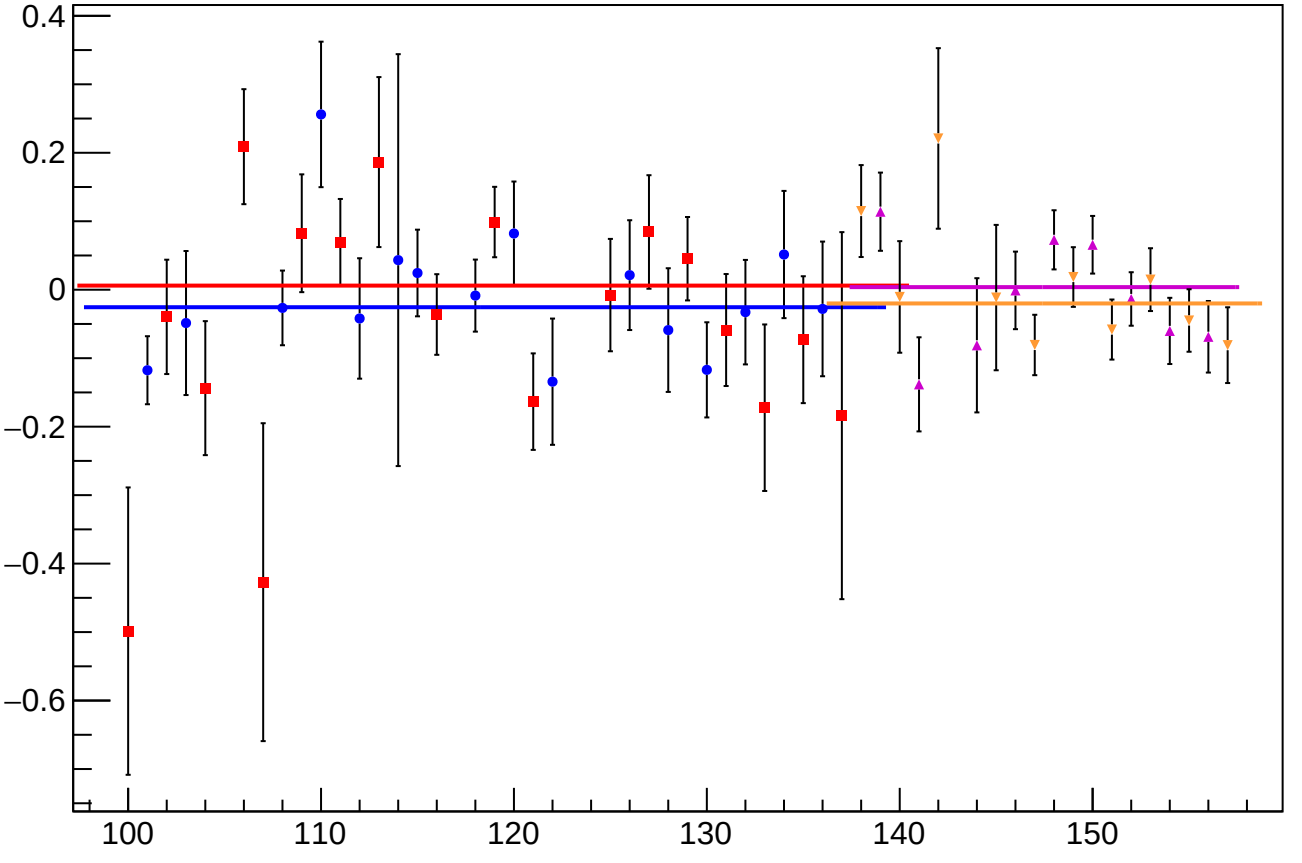
Left In: 0.004+/-0.000 χ^2/NDF:491330.2/8

+ sign 0.002+/-0.000 χ^2/NDF: 9126081.0/25

All: 0.002+/-0.000 χ^2/NDF: 17041476.4/52

- sign 0.002+/-0.000 χ^2/NDF: 7630081.5/26

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

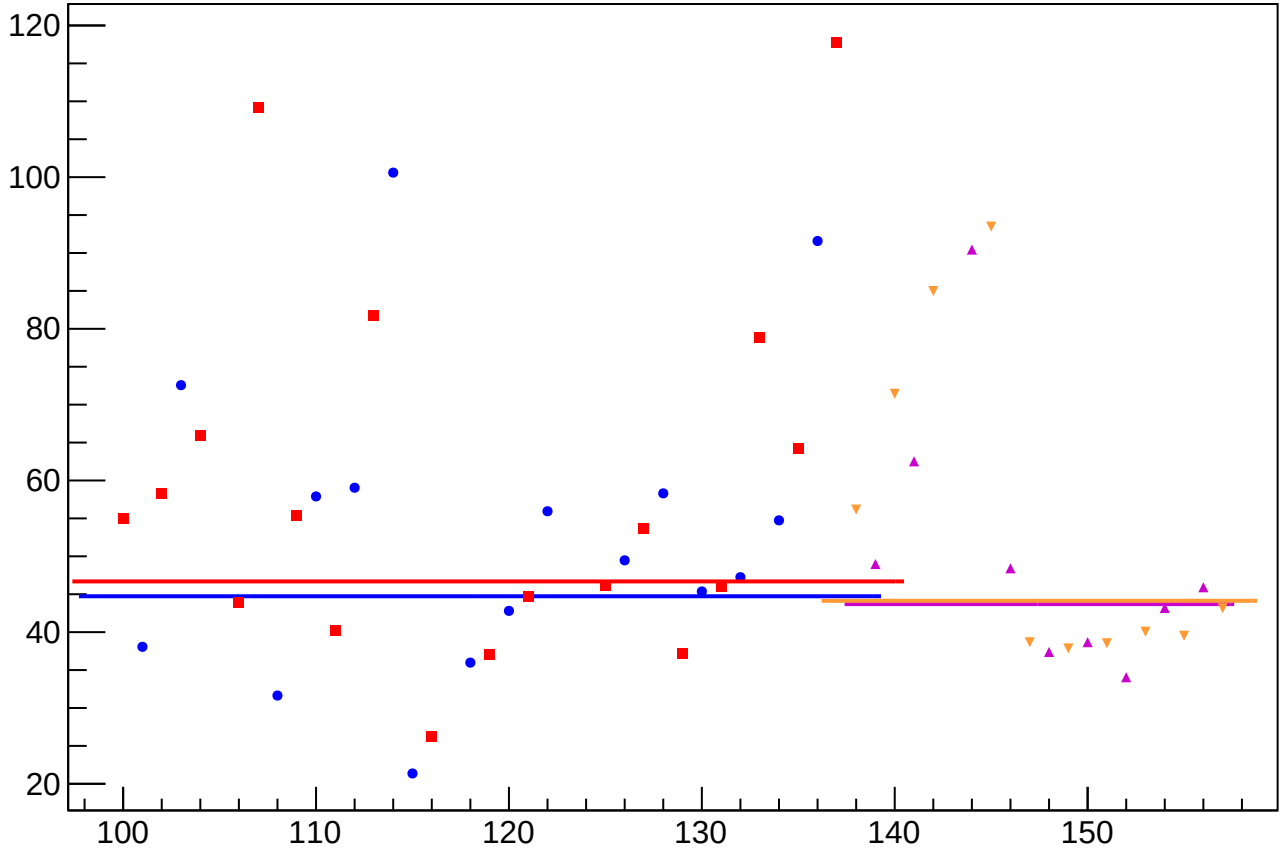
Left In: 0.004+/-0.017 χ^2/NDF:17.3/8

+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/52

- sign 0.005+/-0.013 χ^2/NDF: 53.9/26

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

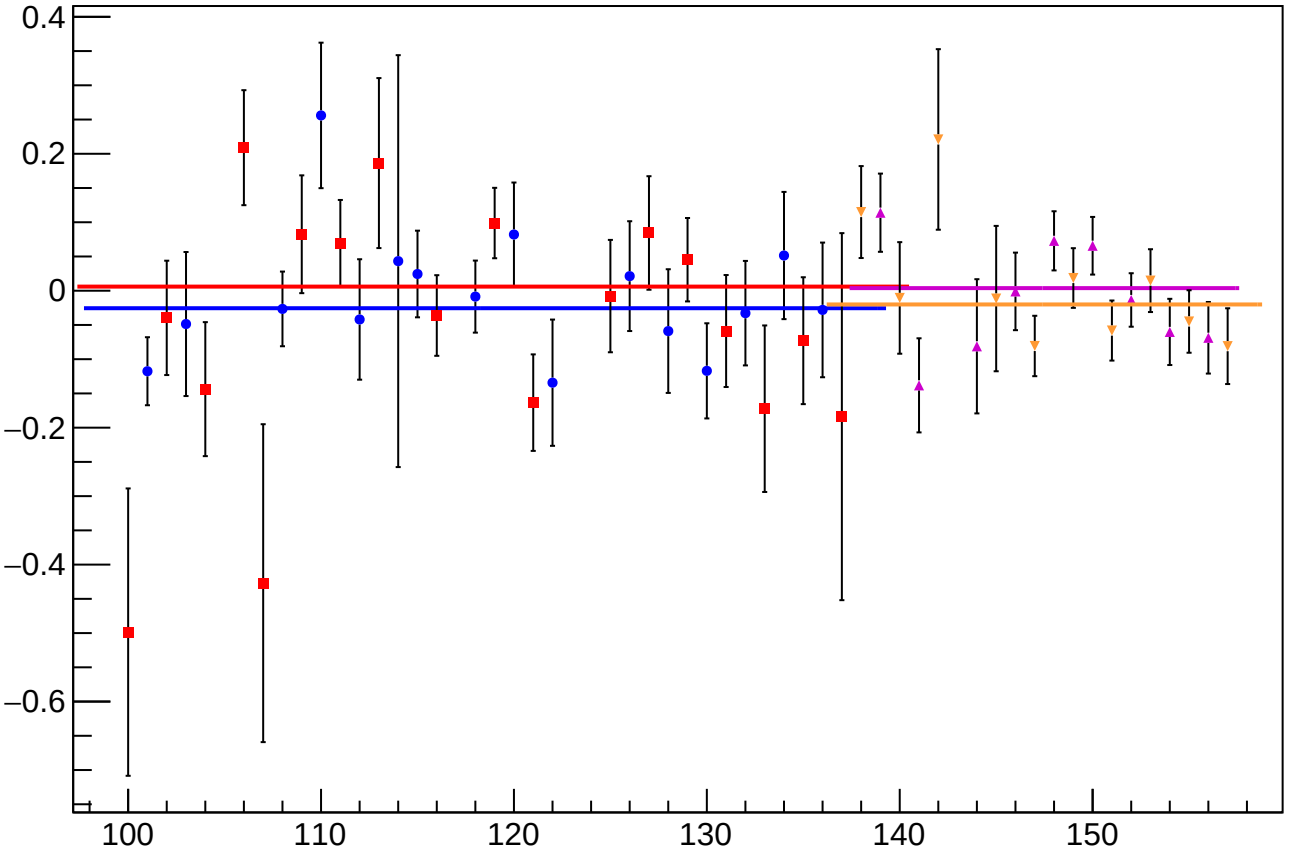
Left In: 43.701+/-0.012 χ^2/NDF:833244.7/8

+ sign 44.408+/-0.009 χ^2/NDF: 2390265.9/25

All: 44.700+/-0.006 χ^2/NDF: 4448079.2/52

- sign 44.995+/-0.009 χ^2/NDF: 2055689.6/26

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.020+/-0.017 χ^2/NDF:12.9/9

Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

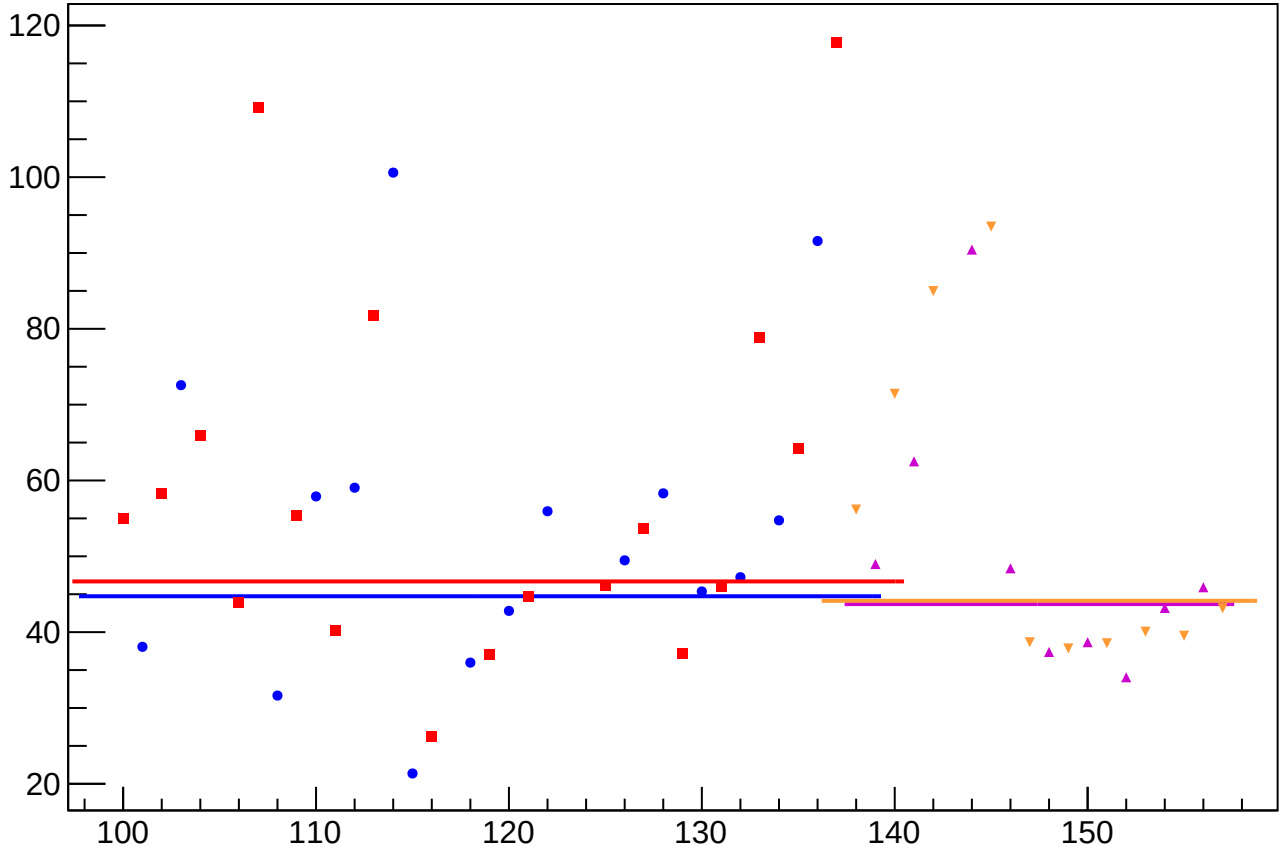
Left In: 0.004+/-0.017 χ^2/NDF:17.3/8

\+ sign -0.023+/-0.013 χ^2/NDF: 30.6/25

All: -0.009+/-0.009 χ^2/NDF: 86.8/52

\- sign 0.005+/-0.013 χ^2/NDF: 53.9/26

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.134+/-0.012 χ^2/NDF:1054562.1/9

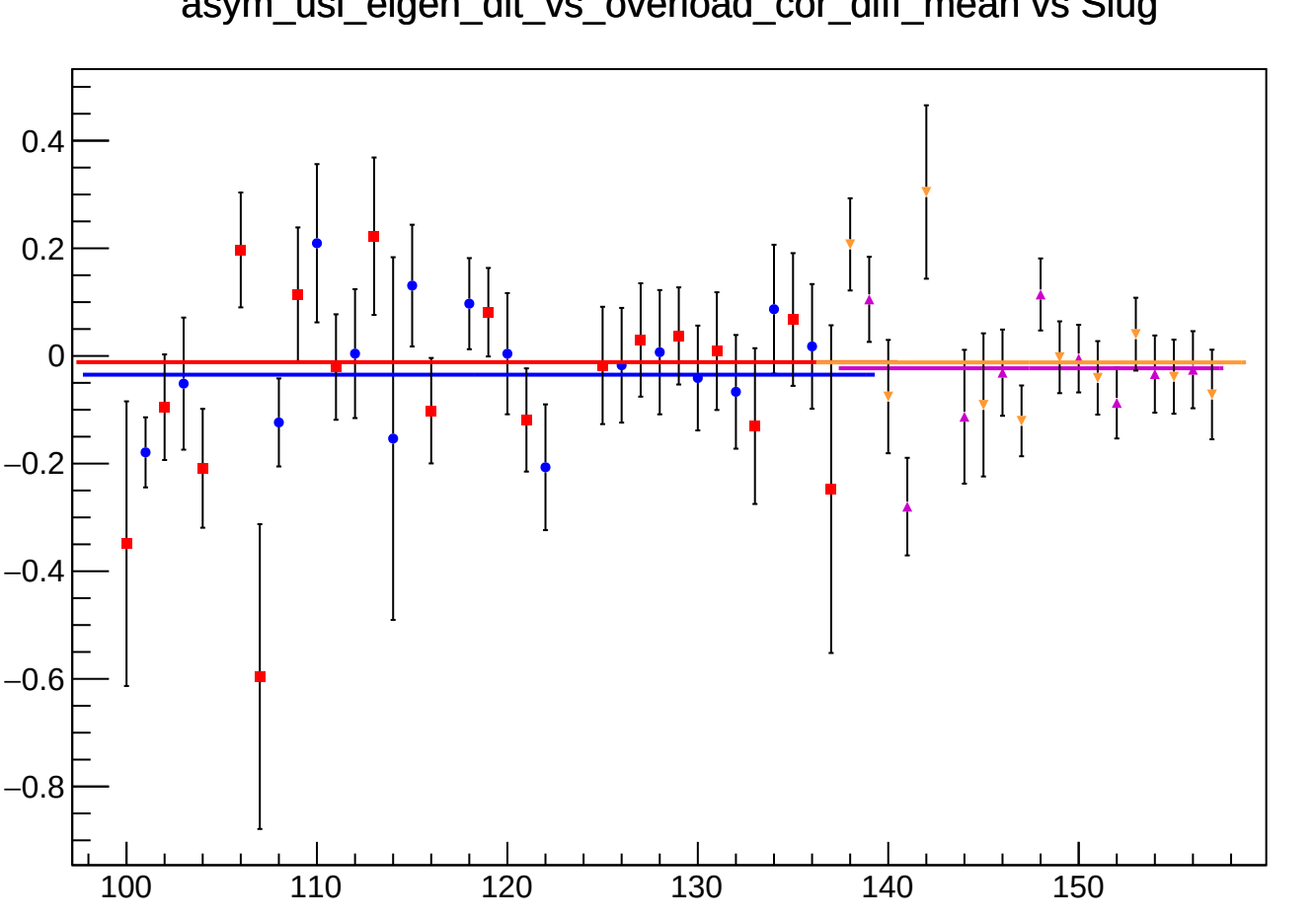
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.701+/-0.012 χ^2/NDF:833244.7/8

+ sign 44.408+/-0.009 χ^2/NDF: 2390265.9/25

All: 44.700+/-0.006 χ^2/NDF: 4448079.2/52

- sign 44.995+/-0.009 χ^2/NDF: 2055689.6/26



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.012+/-0.025 χ^2/NDF:15.3/9

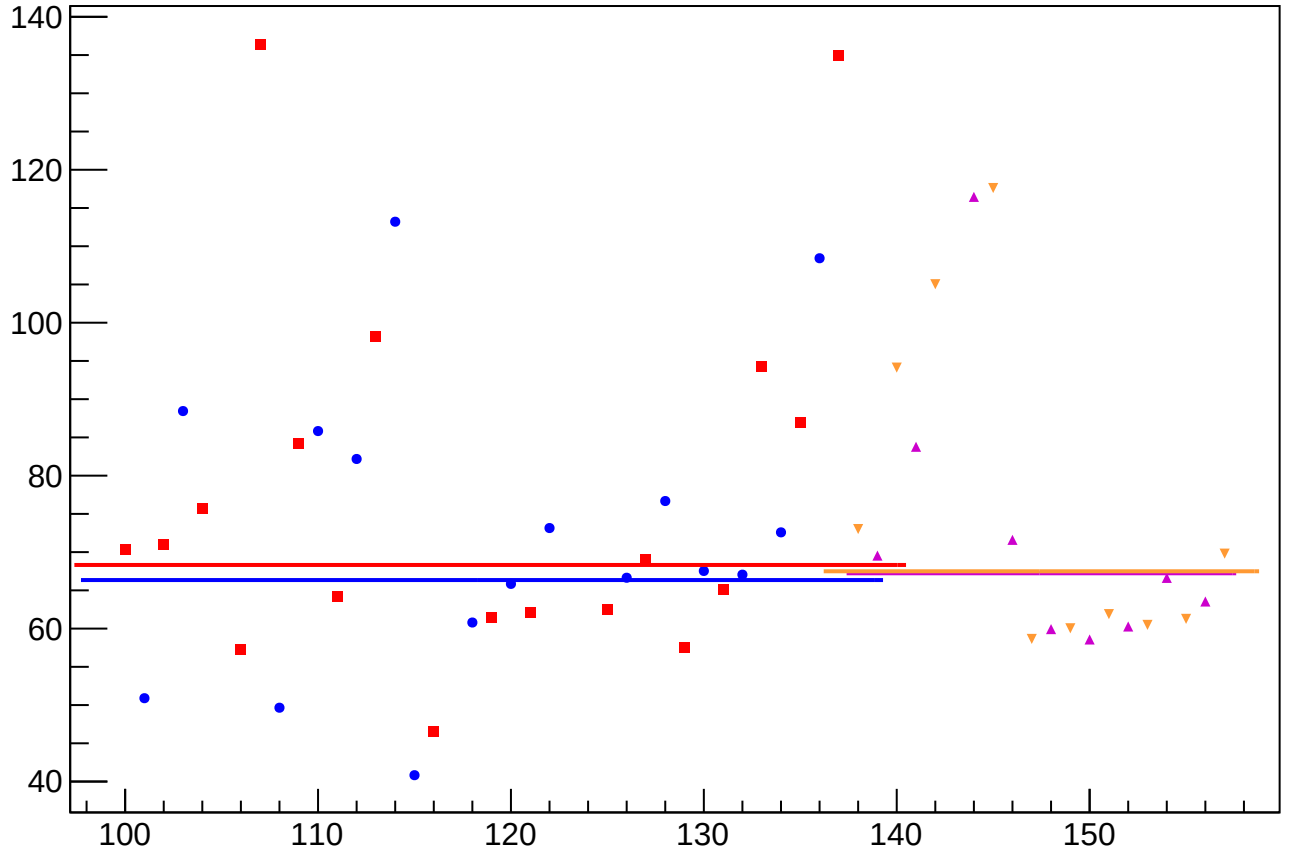
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.023+/-0.025 χ^2/NDF:16.4/8

+ sign -0.023+/-0.018 χ^2/NDF: 33.2/25

All: -0.020+/-0.013 χ^2/NDF: 72.5/52

- sign -0.018+/-0.018 χ^2/NDF: 39.3/26



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.495+/-0.018 χ^2/NDF:642818.9/9

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

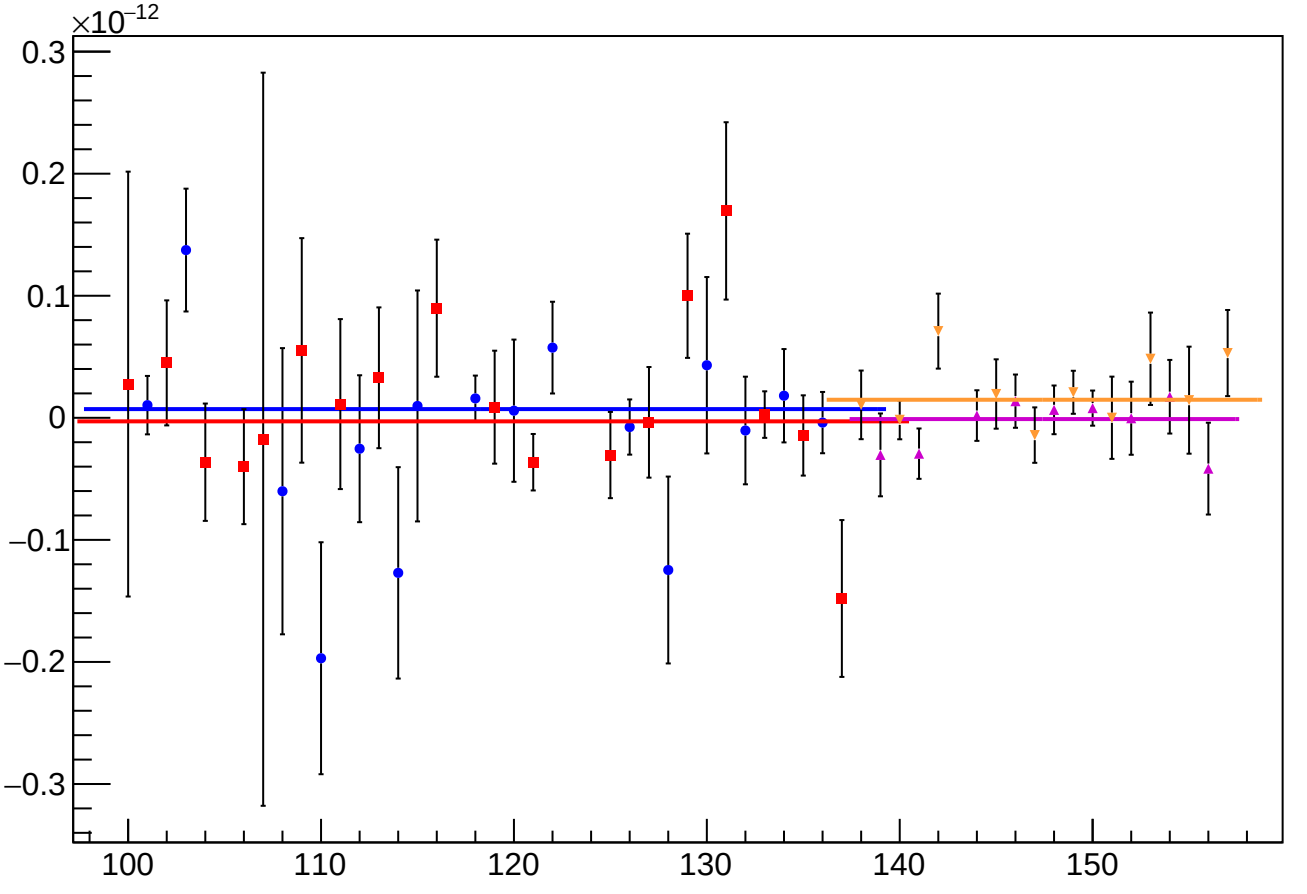
Left In: 67.233+/-0.018 χ^2/NDF:477239.3/8

\+ sign 66.944+/-0.013 χ^2/NDF: 1417460.1/25

All: 67.339+/-0.009 χ^2/NDF: 2528009.3/52

\- sign 67.738+/-0.013 χ^2/NDF: 1108658.3/26

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

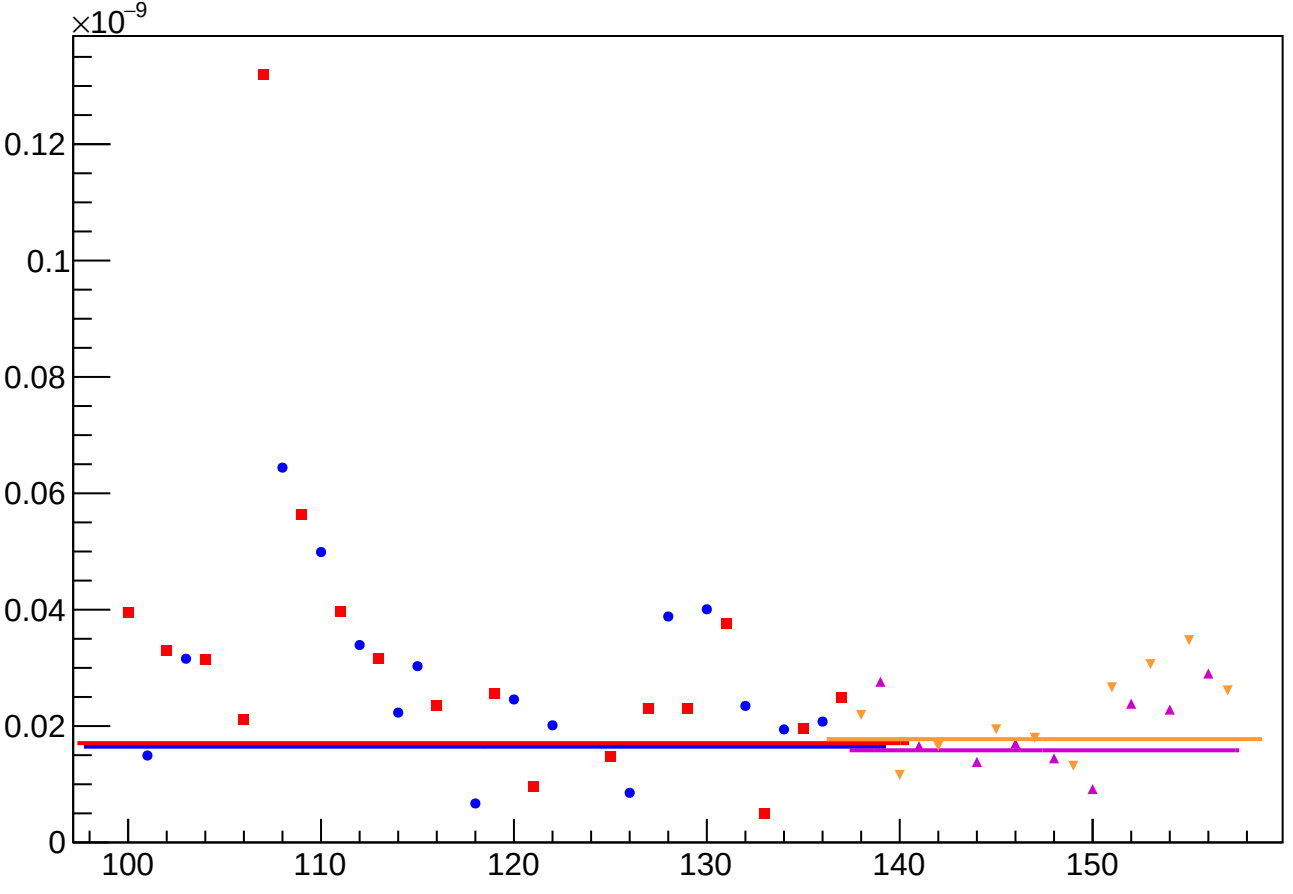
Left In: -0.000+/-0.000 χ^2/NDF:5.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/25

All: 0.000+/-0.000 χ^2/NDF: 60.2/52

- sign -0.000+/-0.000 χ^2/NDF: 28.6/26

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1272361.6/9

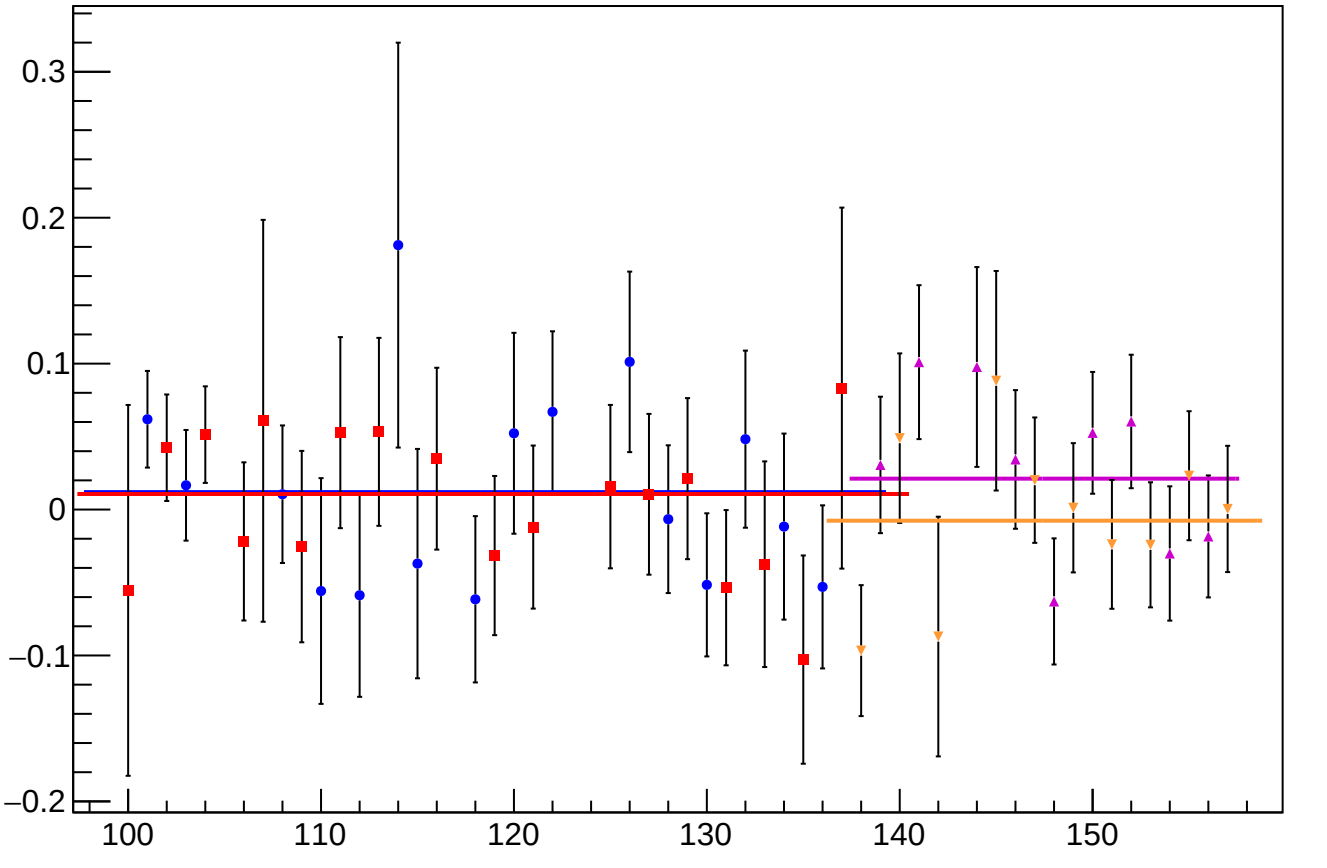
Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1202593.7/8

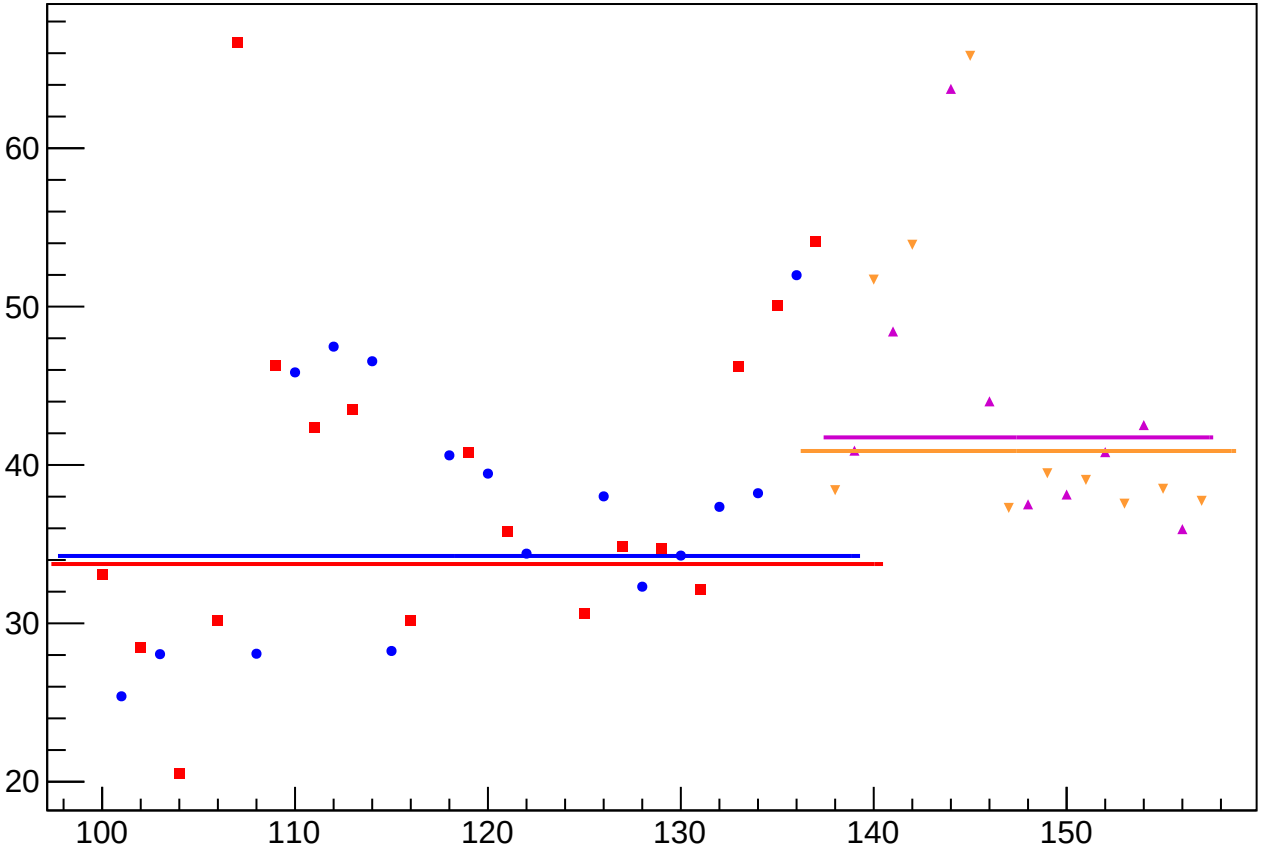
+ sign 0.000+/-0.000 χ^2/NDF: 3640736.9/25

All: 0.000+/-0.000 χ^2/NDF: 7677473.0/52

- sign 0.000+/-0.000 χ^2/NDF: 4013811.3/26


asym_usl_overload_cor_vs_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.008+/-0.015 χ²/NDF:8.7/9
Right Out: 0.011+/-0.013 χ²/NDF: 9.9/17
Left In: 0.021+/-0.016 χ²/NDF:10.9/8
+ sign 0.003+/-0.010 χ²/NDF: 24.3/25
All: 0.009+/-0.007 χ²/NDF: 46.1/52
- sign 0.015+/-0.010 χ²/NDF: 21.1/26

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.883+/-0.011 χ^2/NDF:393625.3/9

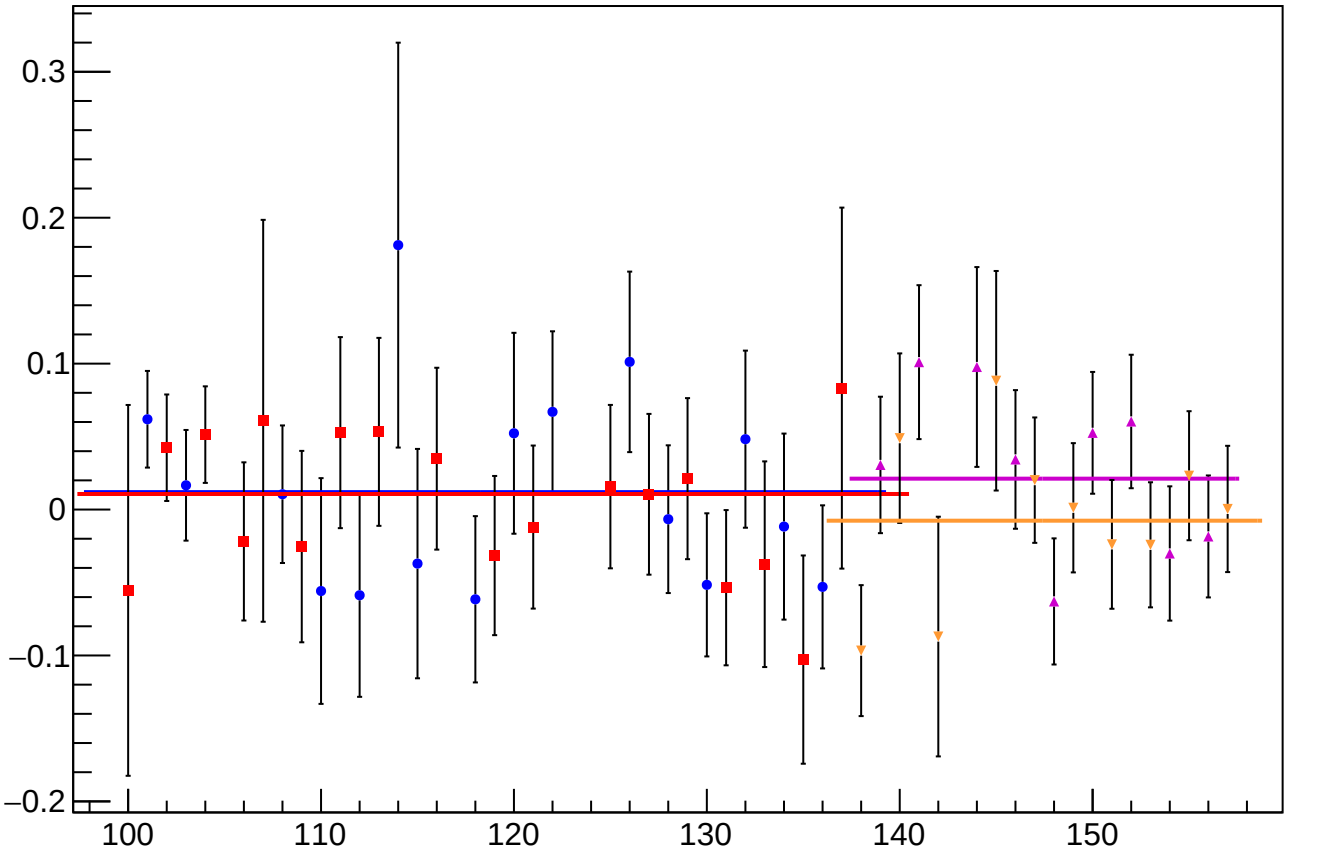
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

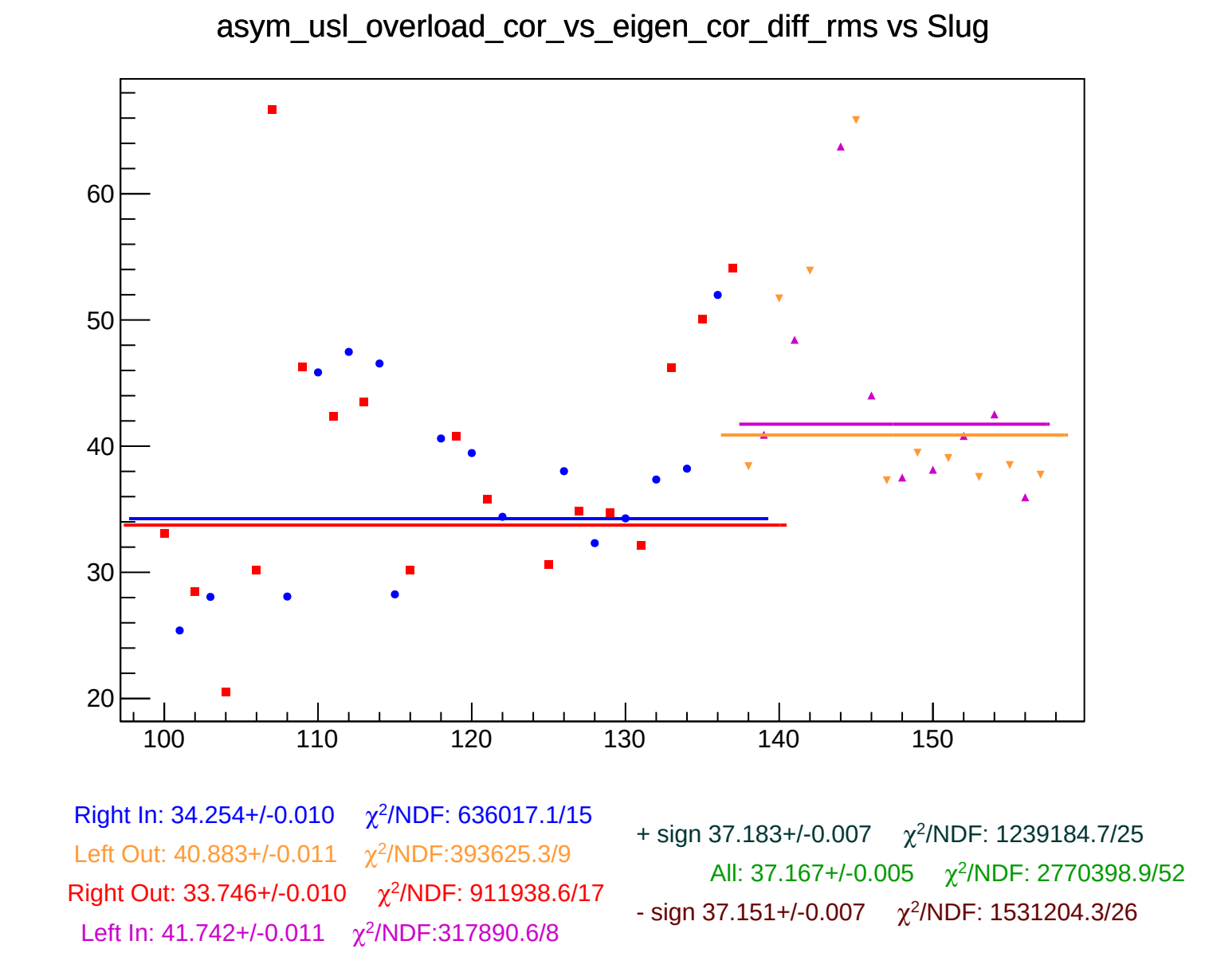
Left In: 41.742+/-0.011 χ^2/NDF:317890.6/8

+ sign 37.183+/-0.007 χ^2/NDF: 1239184.7/25

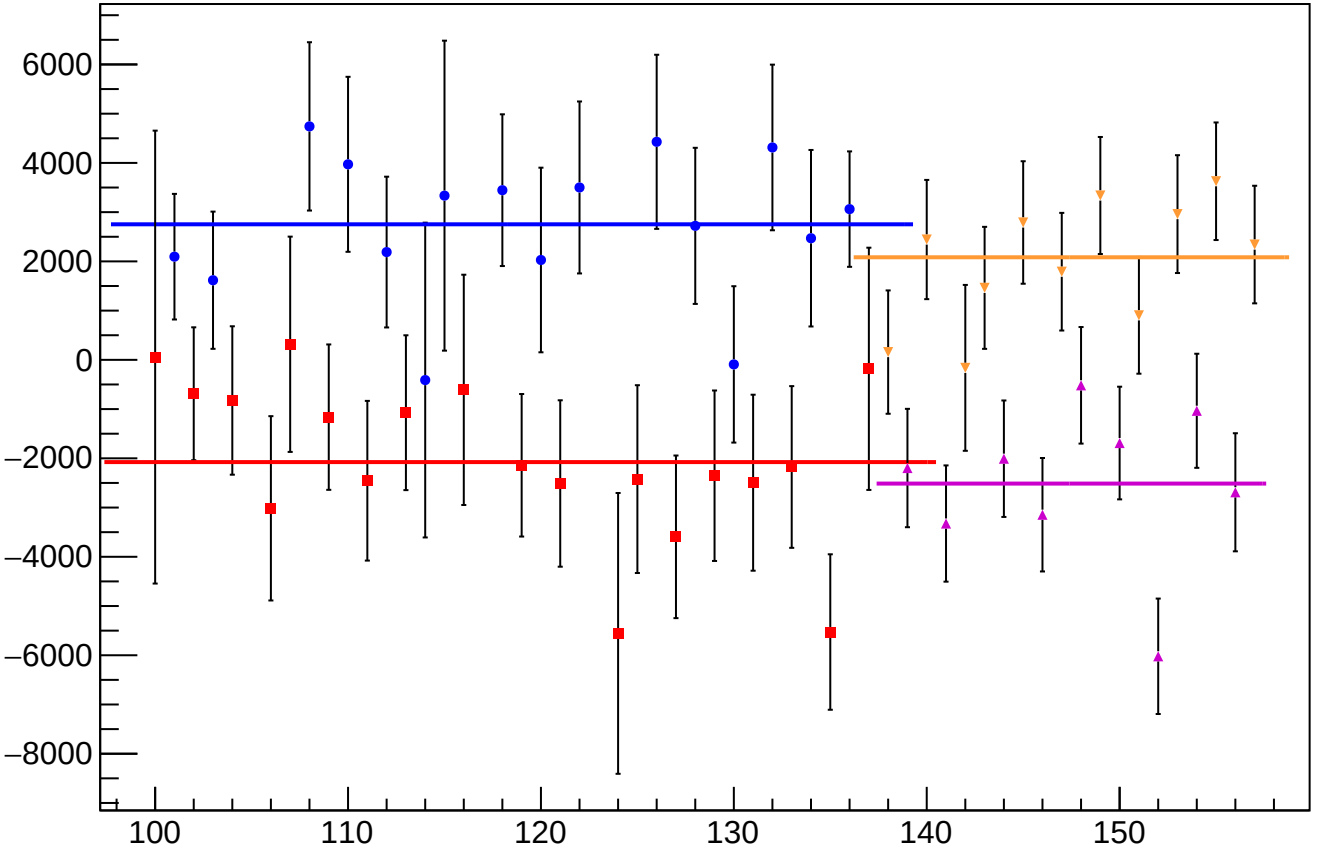
All: 37.167+/-0.005 χ^2/NDF: 2770398.9/52

- sign 37.151+/-0.007 χ^2/NDF: 1531204.3/26


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.008+/-0.015 χ²/NDF:8.7/9
Right Out: 0.011+/-0.013 χ²/NDF: 9.9/17
Left In: 0.021+/-0.016 χ²/NDF:10.9/8
+ sign 0.003+/-0.010 χ²/NDF: 24.3/25
All: 0.009+/-0.007 χ²/NDF: 46.1/52
- sign 0.015+/-0.010 χ²/NDF: 21.1/26


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.883+/-0.011 χ²/NDF:393625.3/9
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.742+/-0.011 χ²/NDF:317890.6/8
+ sign 37.183+/-0.007 χ²/NDF: 1239184.7/25
All: 37.167+/-0.005 χ²/NDF: 2770398.9/52
- sign 37.151+/-0.007 χ²/NDF: 1531204.3/26

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

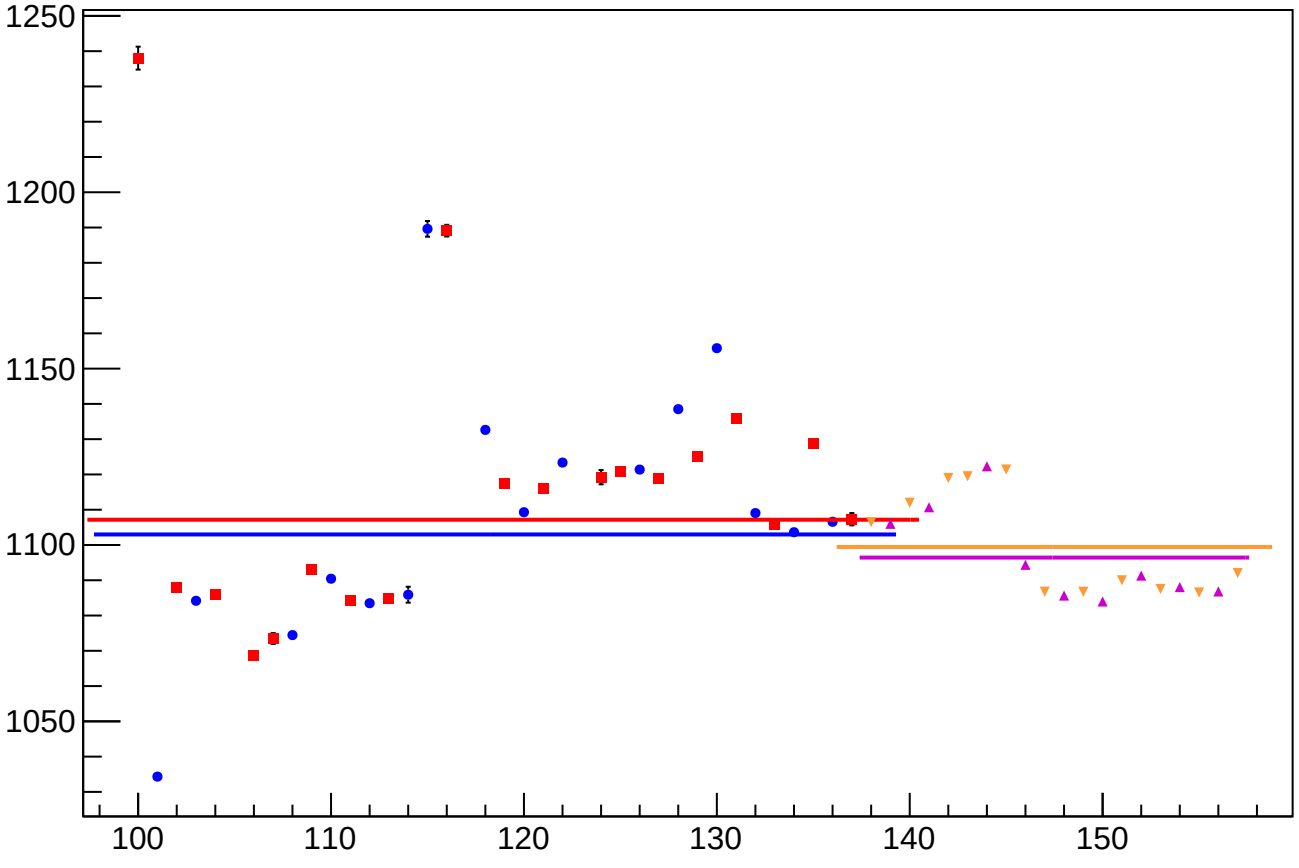
Left In: -2513.074+/-391.544 χ^2/NDF:15.0/8

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 86.882+/-196.878 χ^2/NDF: 190.0/54

- sign -2301.497+/-281.095 χ^2/NDF: 28.1/27

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

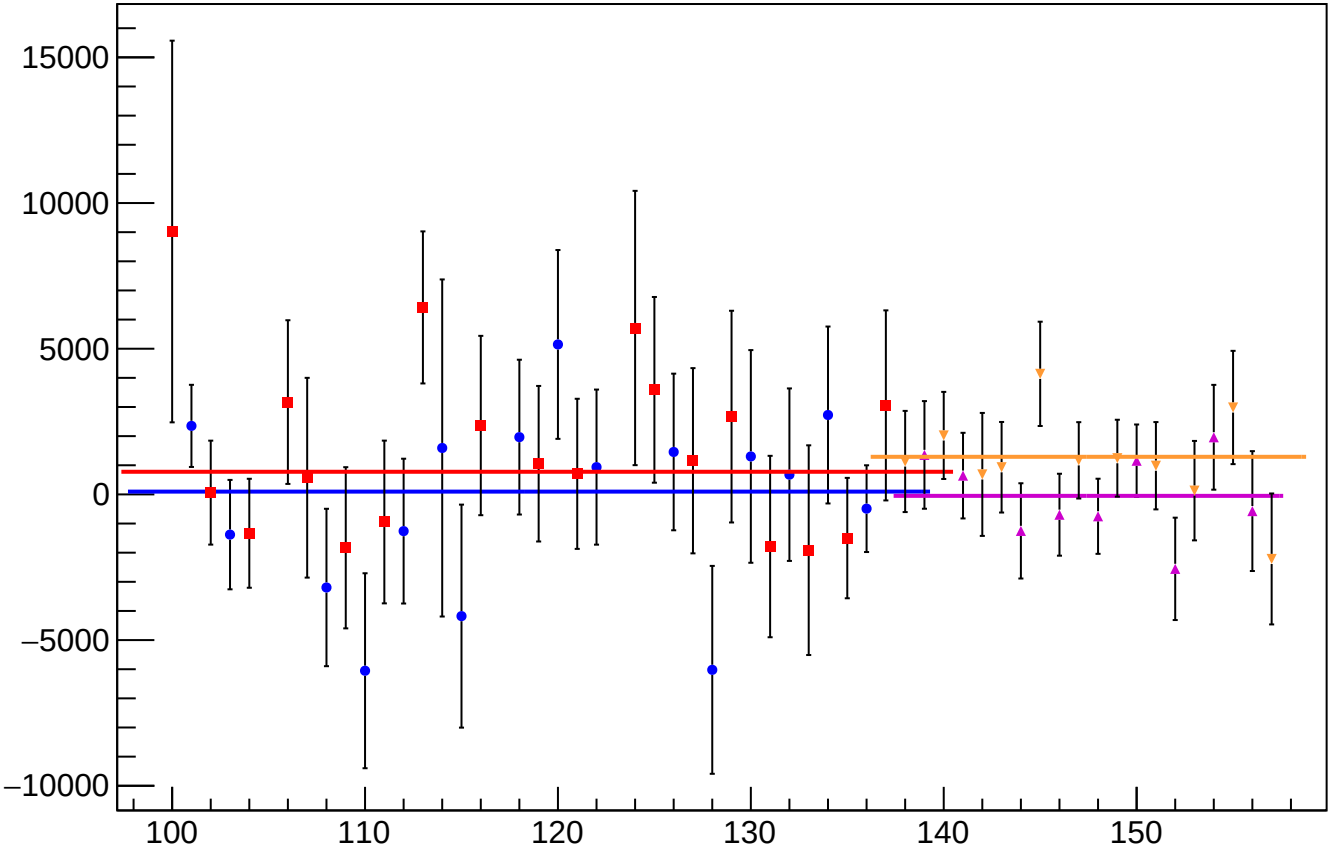
Left In: 1096.434+/-0.277 χ^2/NDF:2055.7/8

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.334+/-0.139 χ^2/NDF: 27557.7/54

- sign 1101.631+/-0.199 χ^2/NDF: 11466.4/27

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

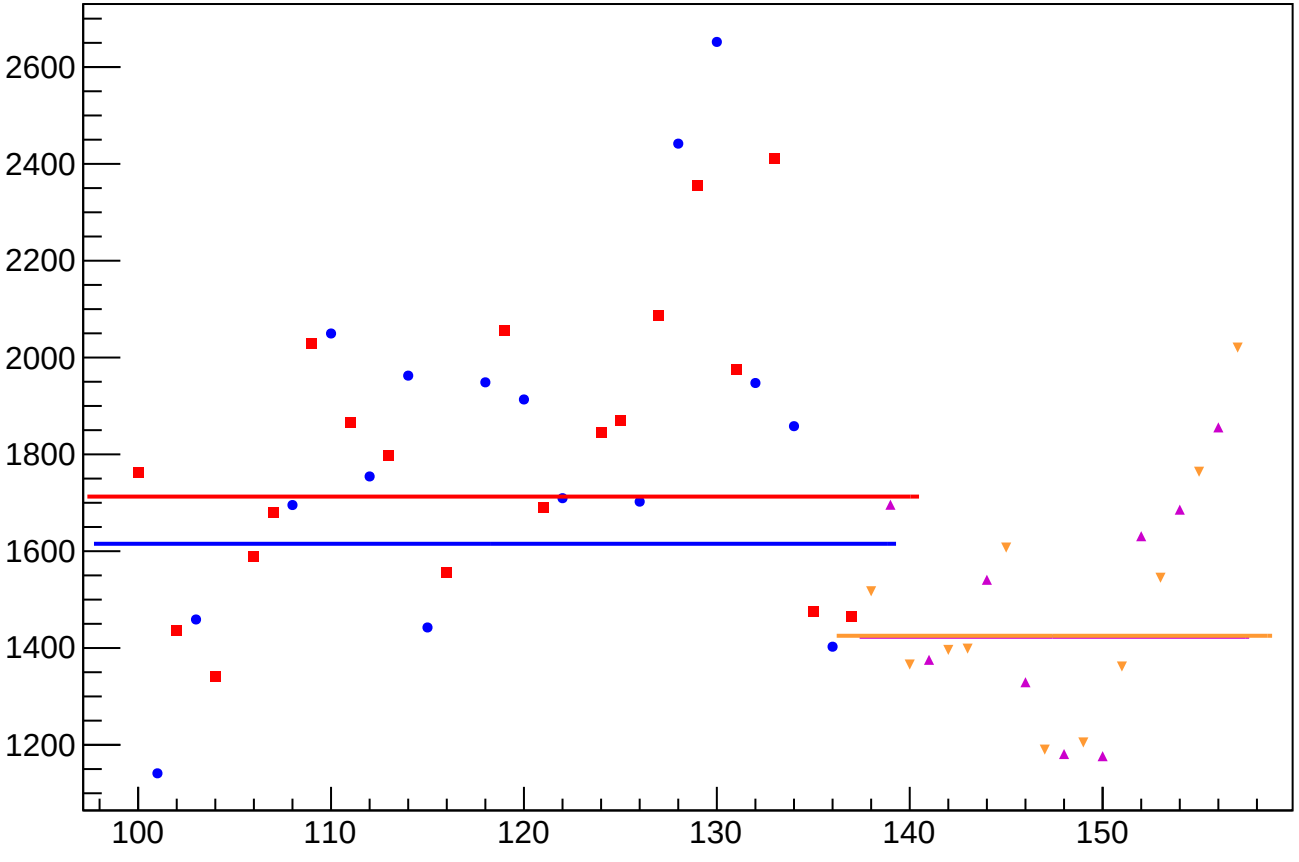
Left In: -49.862+/-516.102 χ^2/NDF:6.1/8

+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 564.138+/-277.614 χ^2/NDF: 49.0/54

- sign 277.838+/-400.995 χ^2/NDF: 22.2/27

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

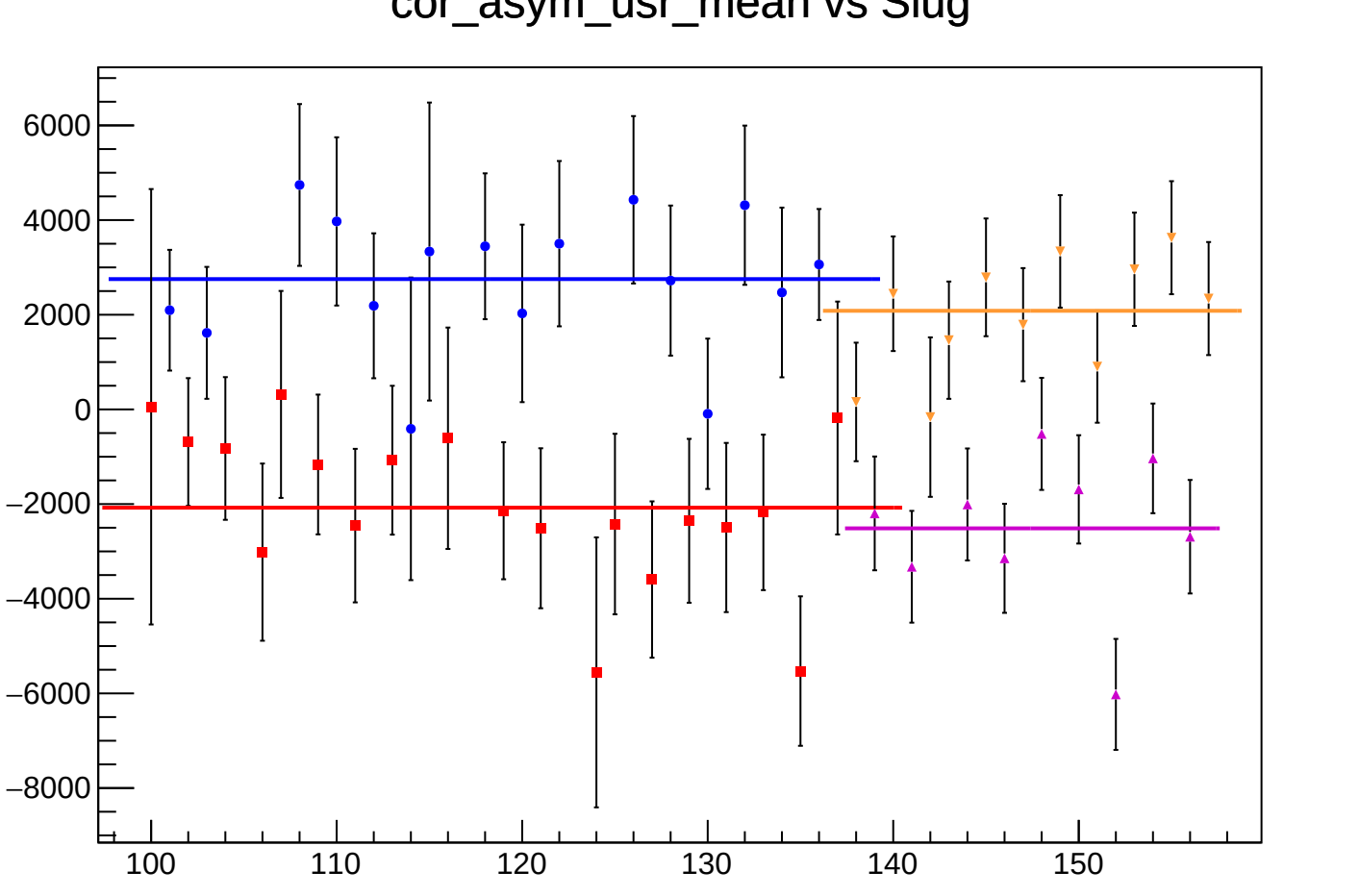
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.234+/-0.365 χ^2/NDF:373288.4/8

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1517.649+/-0.196 χ^2/NDF: 2235415.1/54

- sign 1537.994+/-0.284 χ^2/NDF: 1050865.9/27



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

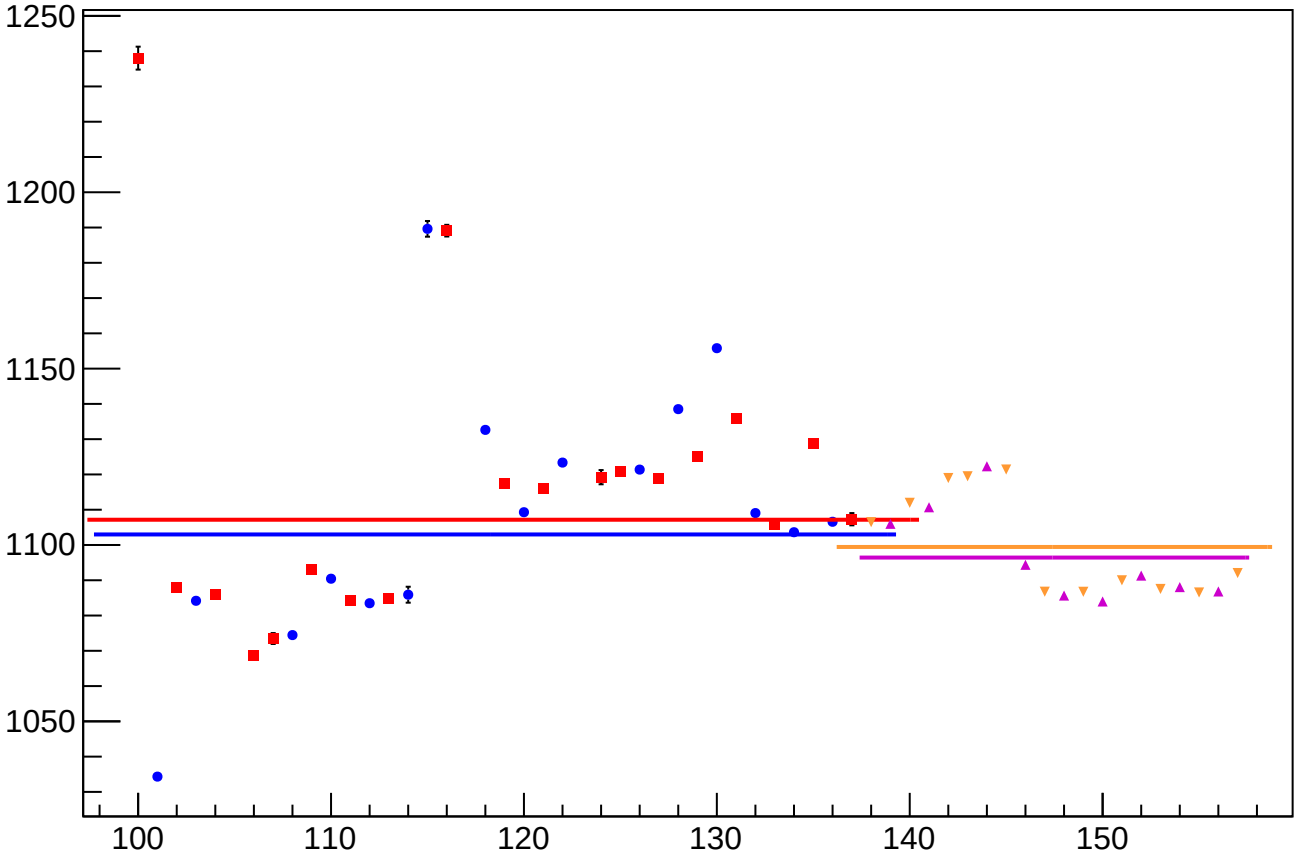
Left In: -2513.074+/-391.544 χ^2/NDF:15.0/8

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 86.882+/-196.878 χ^2/NDF: 190.0/54

- sign -2301.497+/-281.095 χ^2/NDF: 28.1/27

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

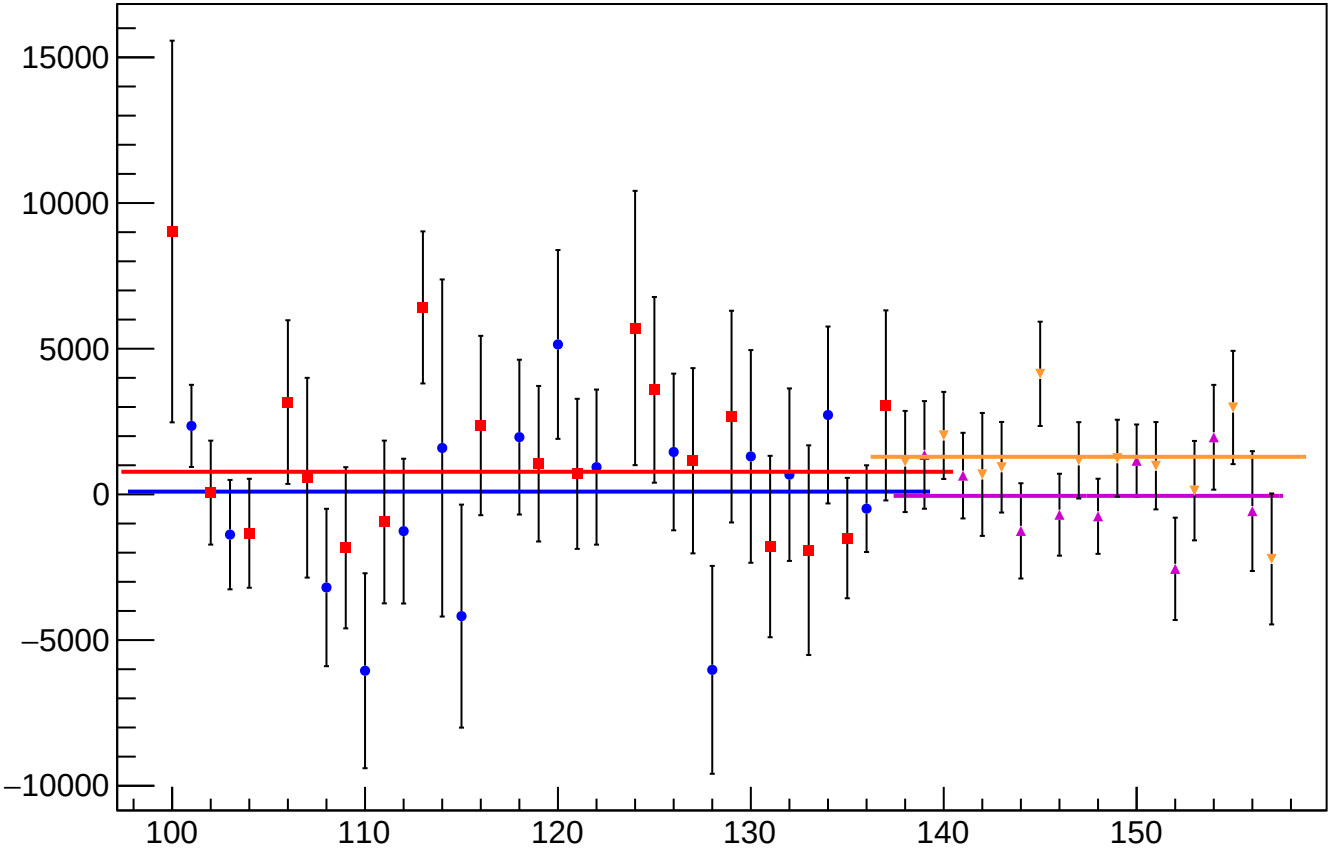
Left In: 1096.434+/-0.277 χ^2/NDF:2055.7/8

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.334+/-0.139 χ^2/NDF: 27557.7/54

- sign 1101.631+/-0.199 χ^2/NDF: 11466.4/27

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

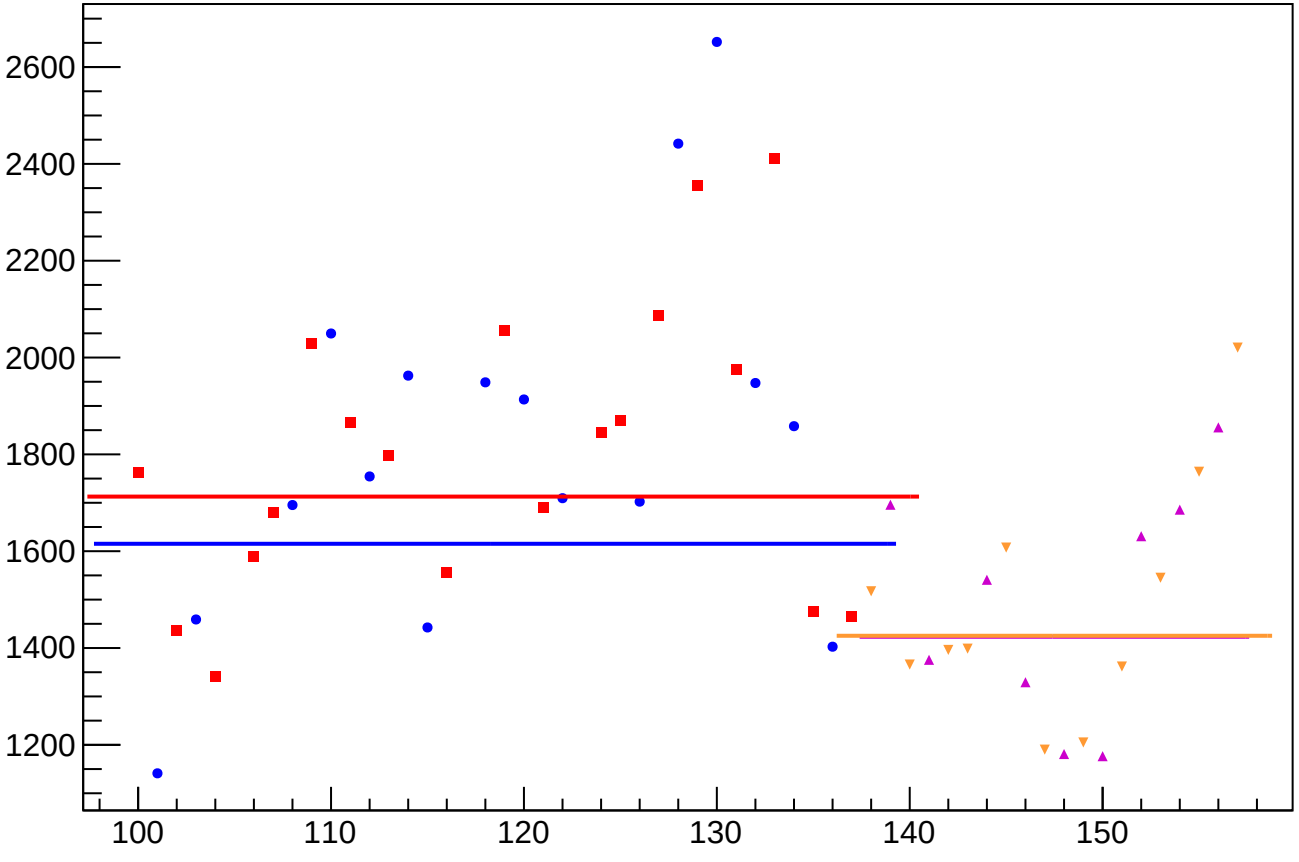
Left In: -49.862+/-516.102 χ^2/NDF:6.1/8

+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 564.138+/-277.614 χ^2/NDF: 49.0/54

- sign 277.838+/-400.995 χ^2/NDF: 22.2/27

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

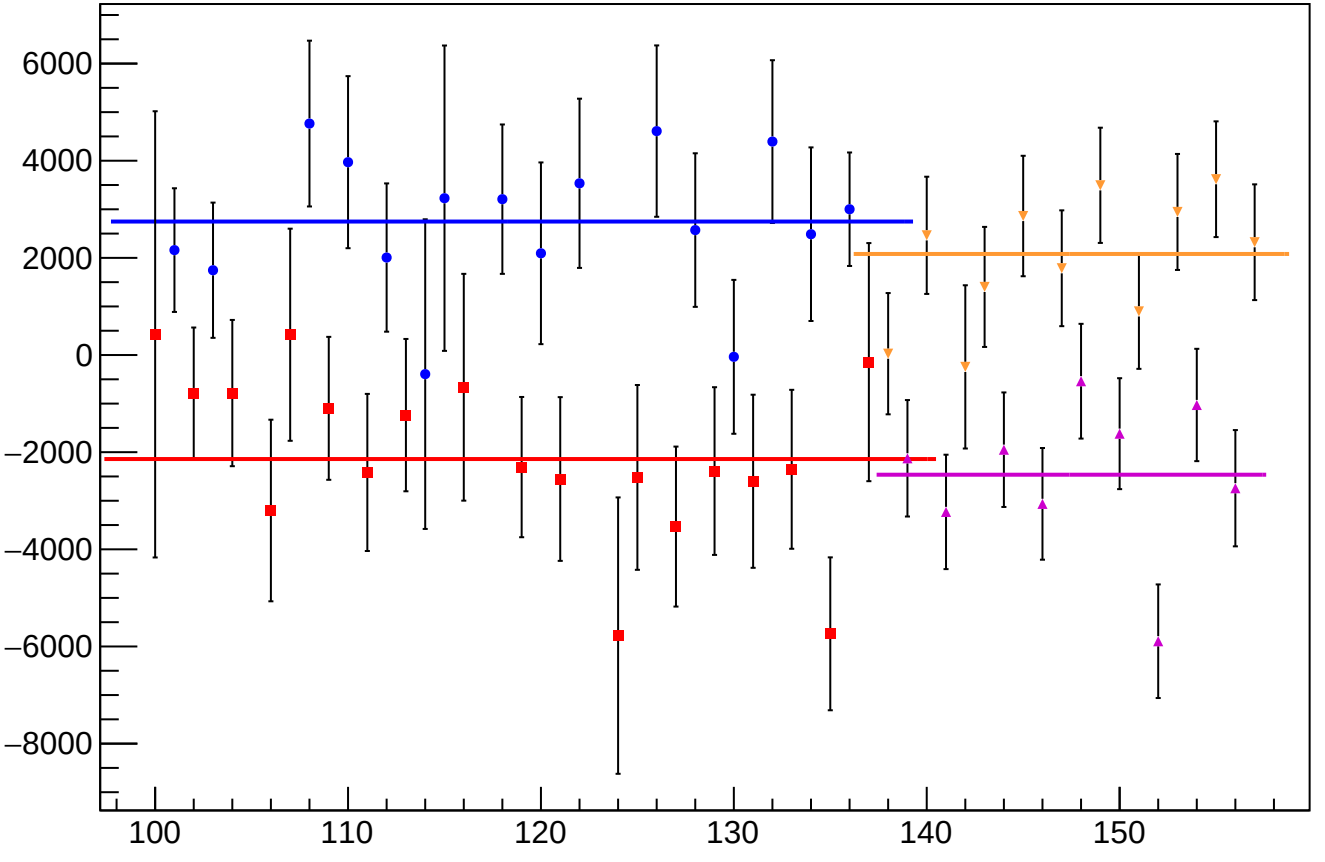
Left In: 1423.234+/-0.365 χ^2/NDF:373288.4/8

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1517.649+/-0.196 χ^2/NDF: 2235415.1/54

- sign 1537.994+/-0.284 χ^2/NDF: 1050865.9/27

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2080.508+/-371.964 χ^2/NDF:10.1/10

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

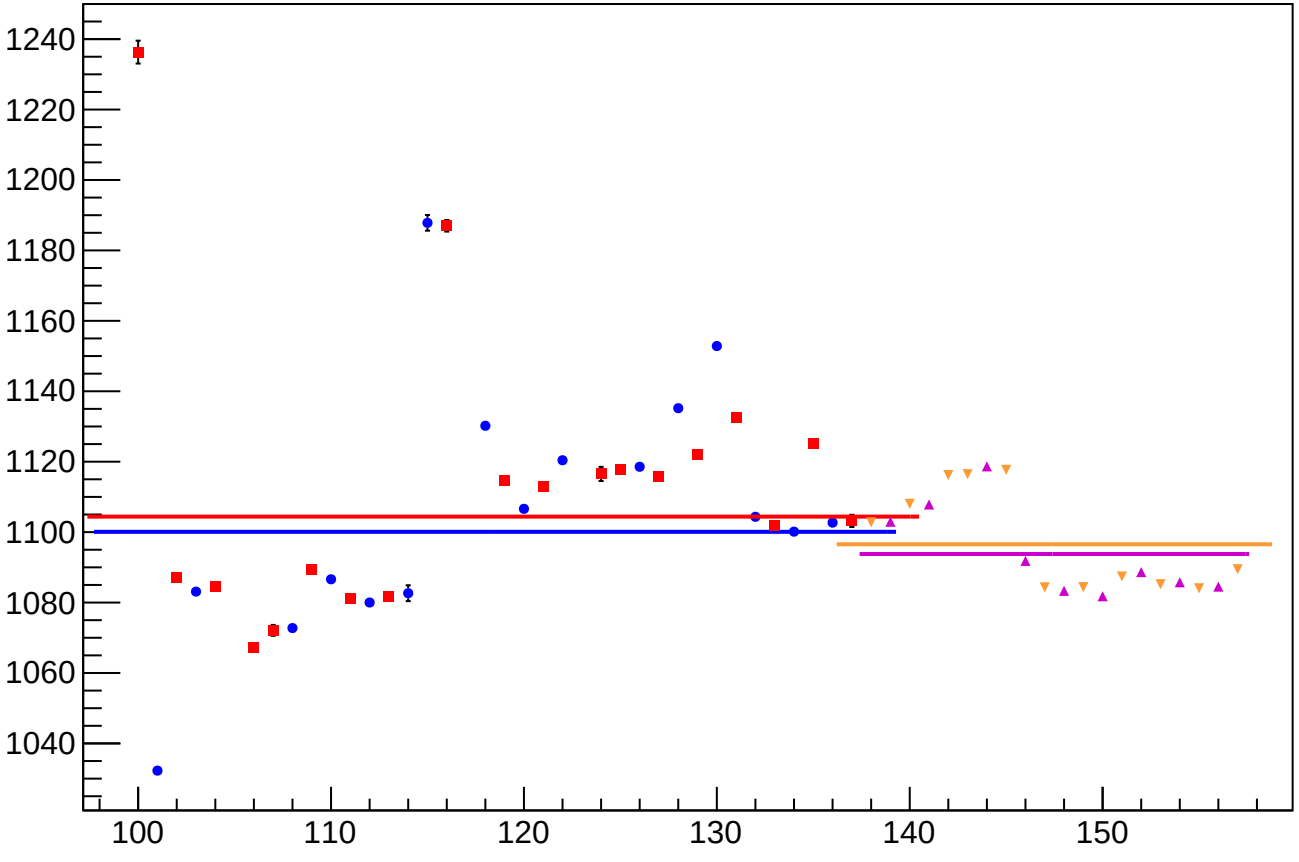
Left In: -2463.952+/-390.599 χ^2/NDF:14.4/8

+ sign 2382.838+/-275.109 χ^2/NDF: 21.1/26

All: 82.376+/-196.377 χ^2/NDF: 191.9/54

- sign -2307.519+/-280.406 χ^2/NDF: 28.2/27

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1096.556+/-0.263 χ^2/NDF:2617.3/10

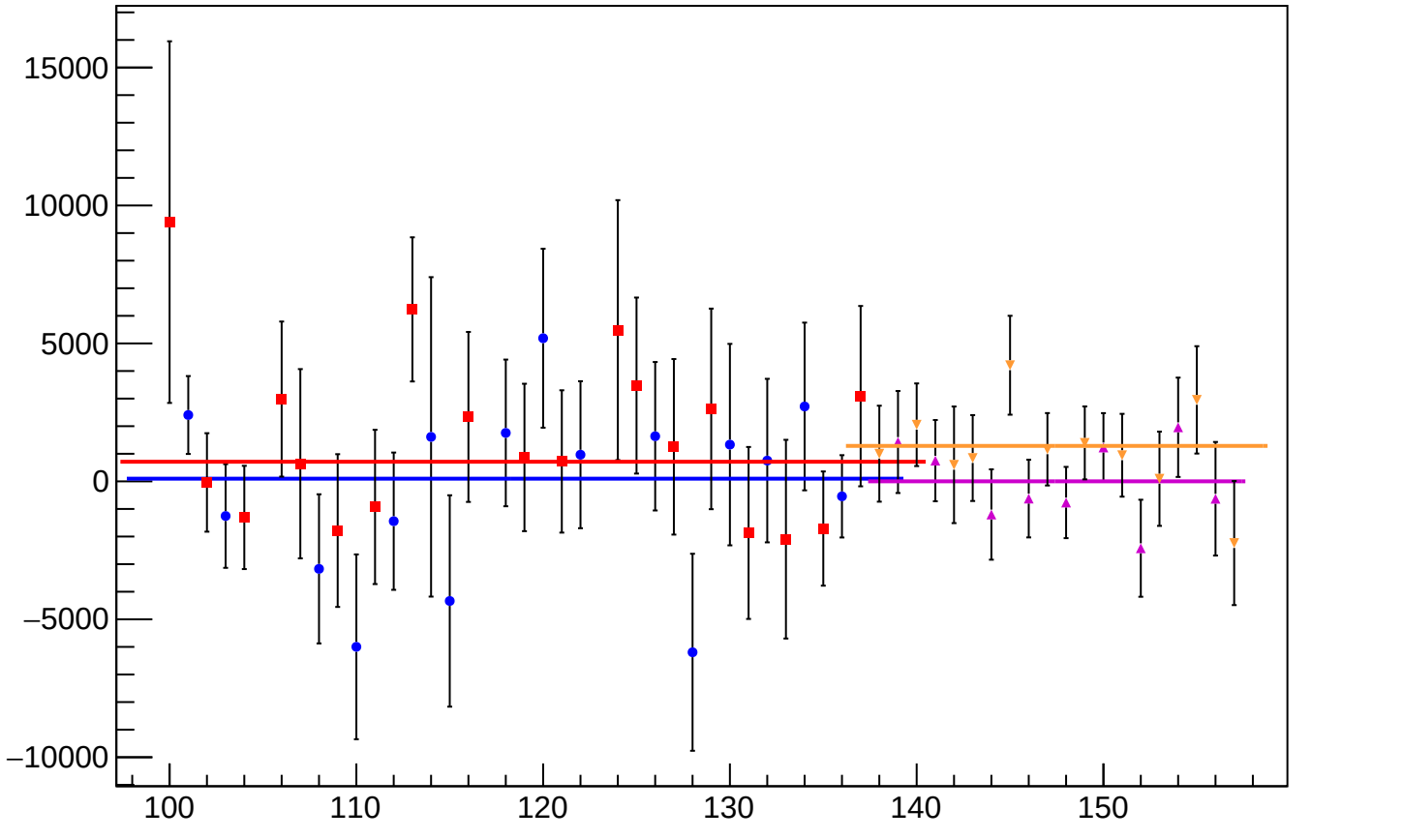
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.792+/-0.276 χ^2/NDF:1931.6/8

+ sign 1098.157+/-0.195 χ^2/NDF: 15776.2/26

All: 1098.538+/-0.139 χ^2/NDF: 26974.4/54

- sign 1098.935+/-0.198 χ^2/NDF: 11190.3/27



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1285.426+/-492.352 χ^2/NDF:6.9/10

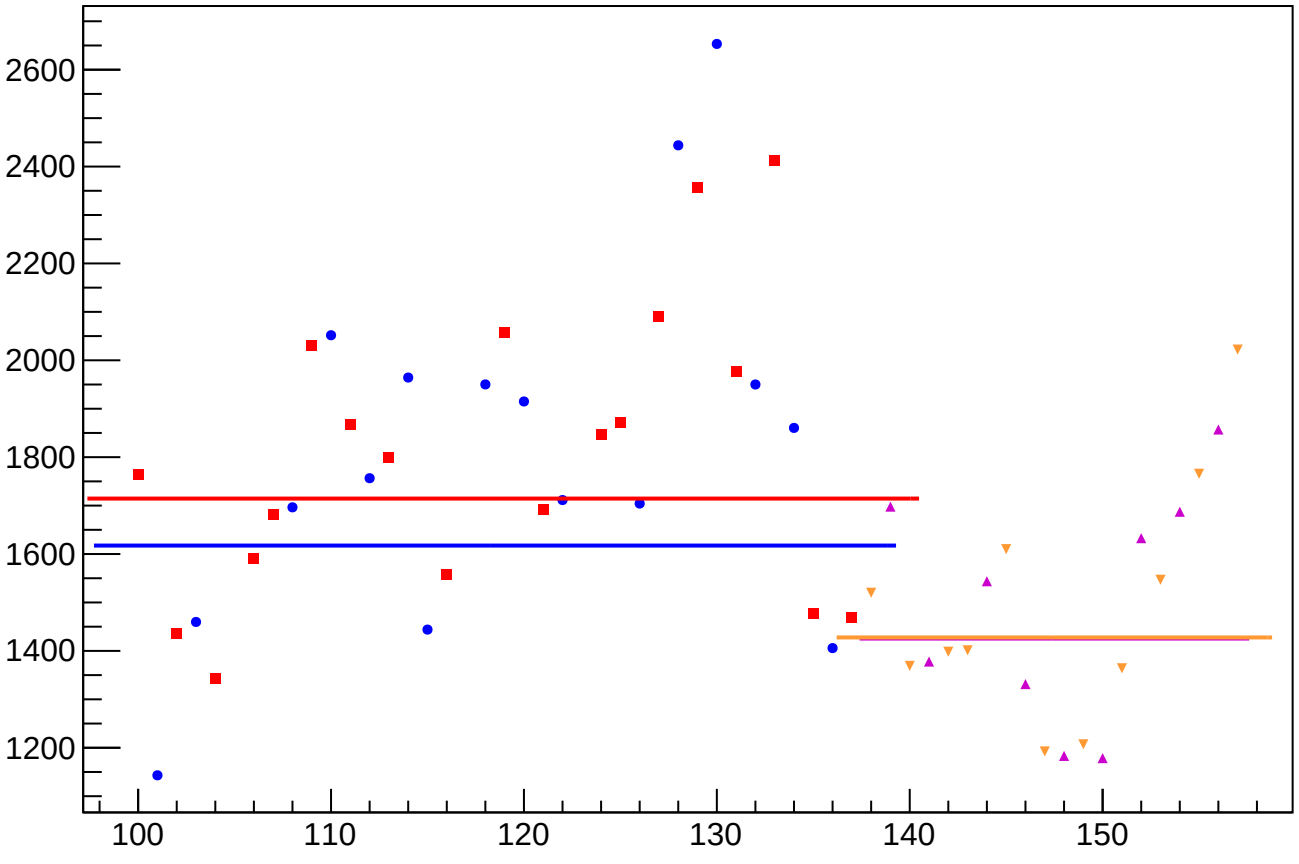
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 1.292+/-516.868 χ^2/NDF:6.1/8

+ sign 824.964+/-385.296 χ^2/NDF: 26.4/26

All: 565.074+/-278.000 χ^2/NDF: 49.1/54

- sign 282.850+/-401.509 χ^2/NDF: 21.8/27



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1427.746+/-0.348 χ^2/NDF:363807.1/10

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

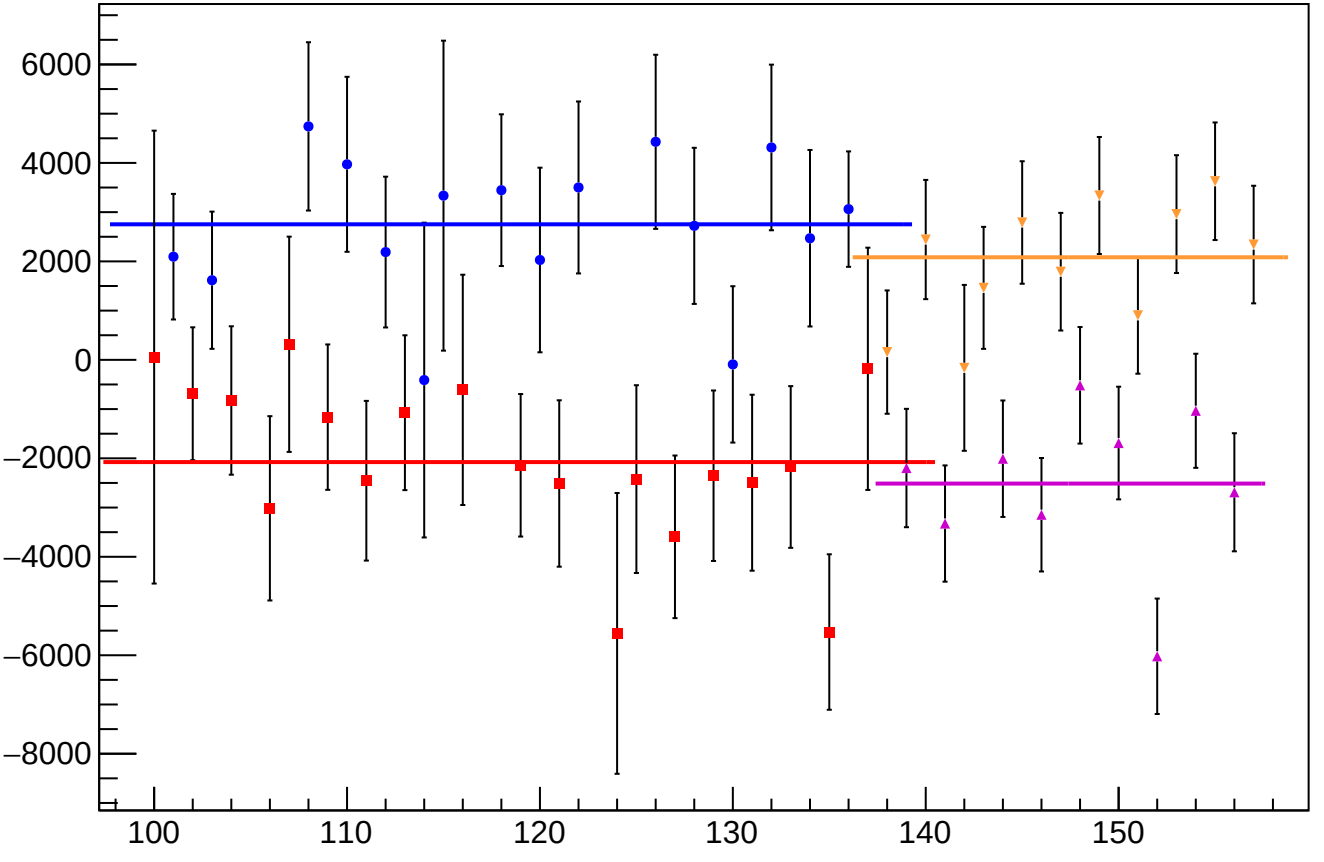
Left In: 1425.434+/-0.365 χ^2/NDF:371815.4/8

+ sign 1501.291+/-0.272 χ^2/NDF: 1170665.6/26

All: 1519.882+/-0.197 χ^2/NDF: 2227987.5/54

- sign 1540.070+/-0.284 χ^2/NDF: 1047609.0/27

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2083.289+/-372.946 χ^2/NDF:9.2/10

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

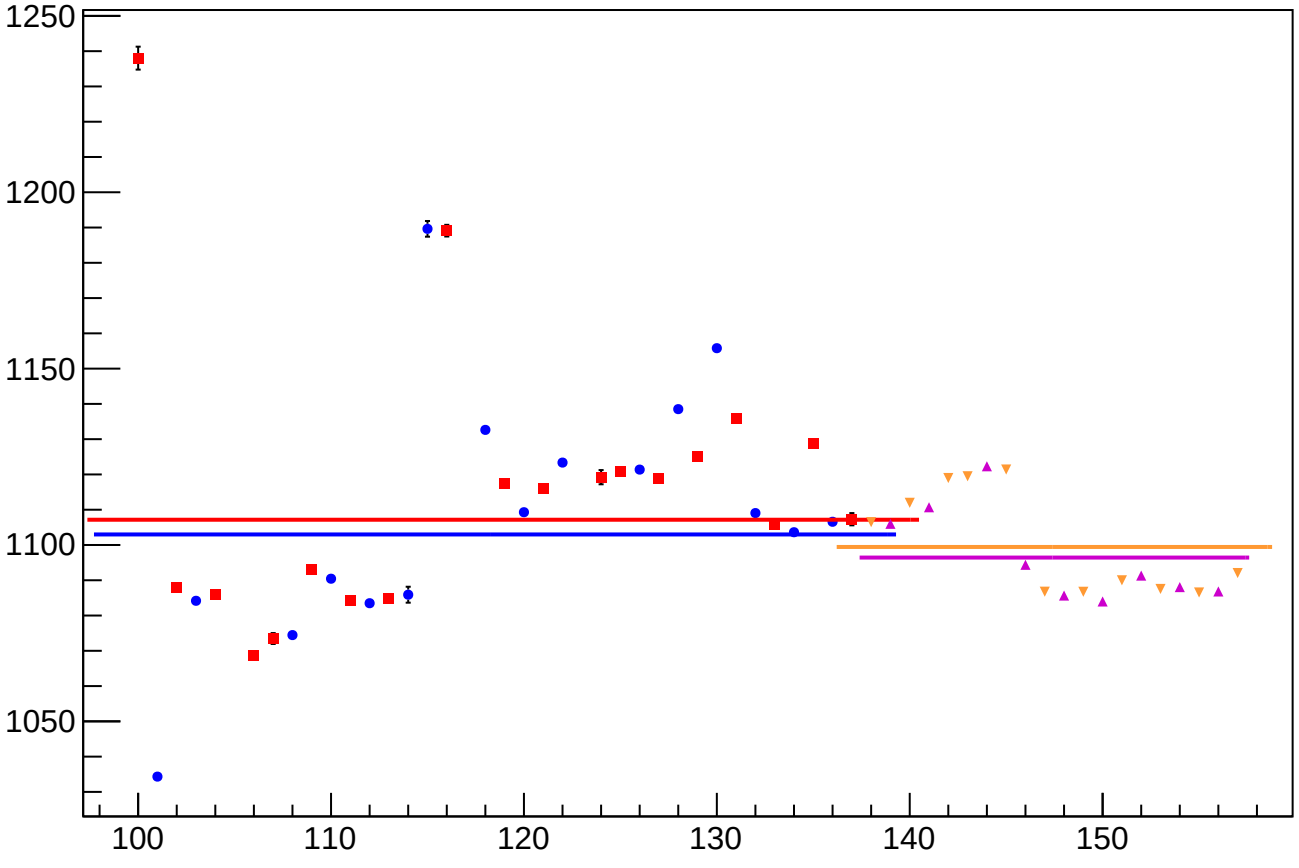
Left In: -2513.074+/-391.544 χ^2/NDF:15.0/8

+ sign 2386.707+/-275.835 χ^2/NDF: 20.2/26

All: 86.882+/-196.878 χ^2/NDF: 190.0/54

- sign -2301.497+/-281.095 χ^2/NDF: 28.1/27

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1099.440+/-0.264 χ^2/NDF:2781.2/10

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

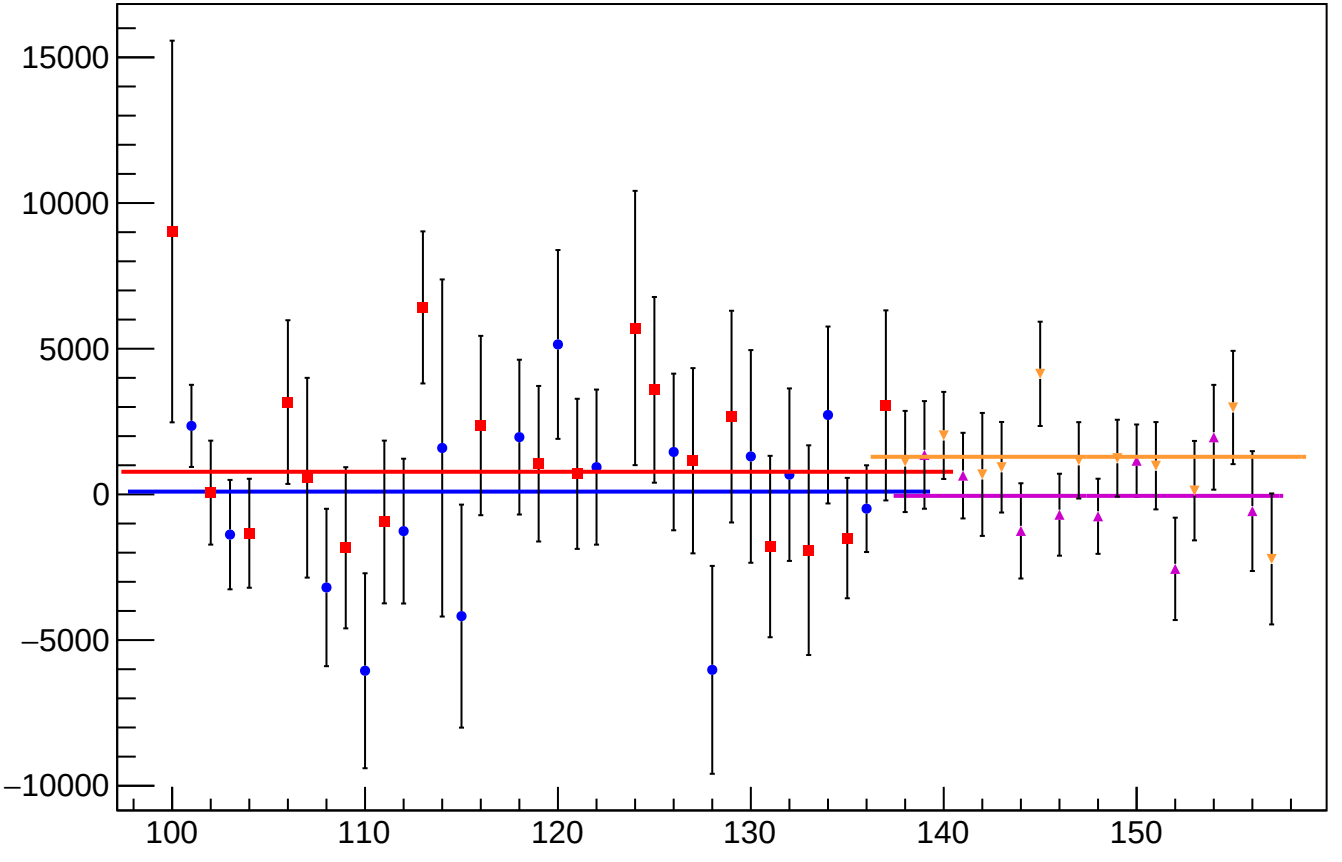
Left In: 1096.434+/-0.277 χ^2/NDF:2055.7/8

+ sign 1101.047+/-0.195 χ^2/NDF: 16086.9/26

All: 1101.334+/-0.139 χ^2/NDF: 27557.7/54

- sign 1101.631+/-0.199 χ^2/NDF: 11466.4/27

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1290.435+/-491.546 χ^2/NDF:6.6/10

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

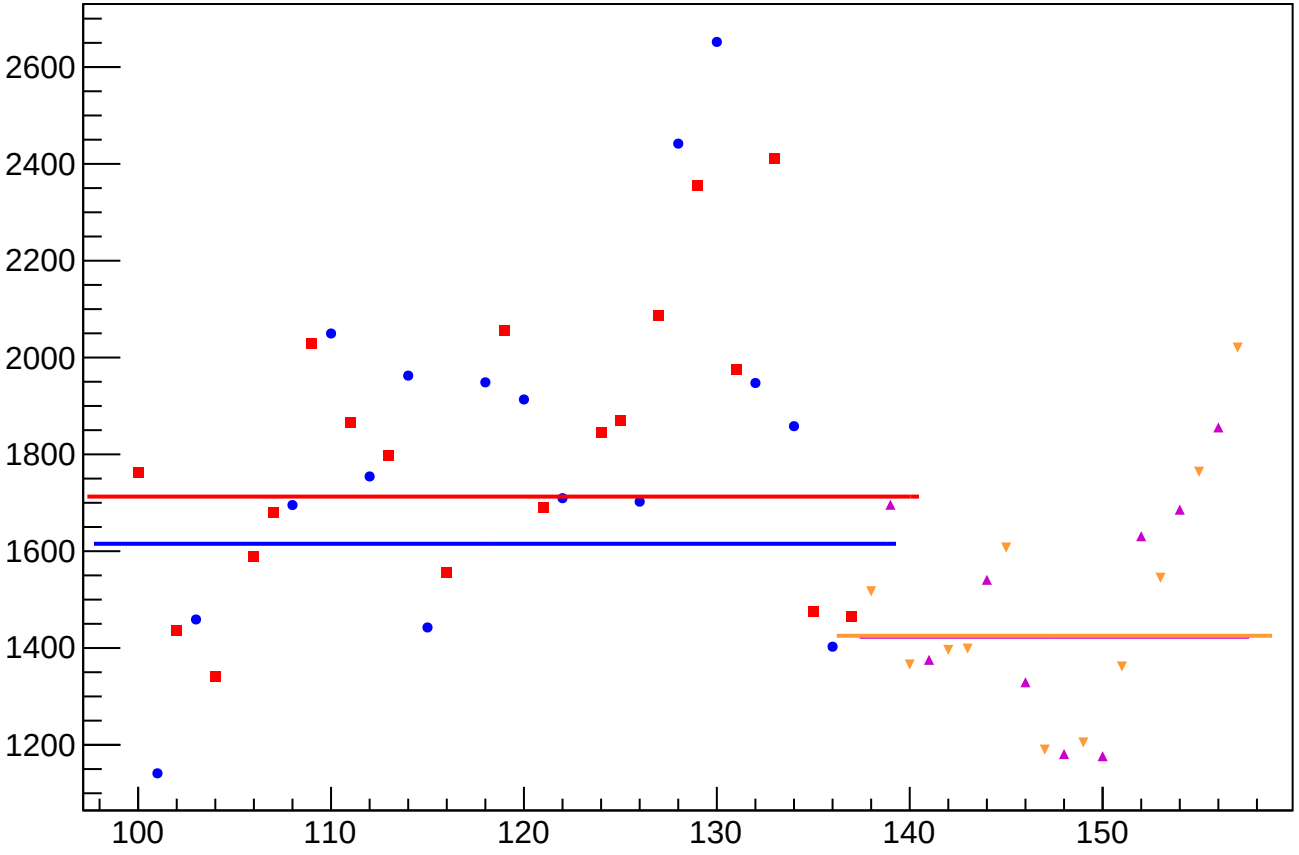
Left In: -49.862+/-516.102 χ^2/NDF:6.1/8

+ sign 827.671+/-384.721 χ^2/NDF: 25.8/26

All: 564.138+/-277.614 χ^2/NDF: 49.0/54

- sign 277.838+/-400.995 χ^2/NDF: 22.2/27

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1425.311+/-0.348 χ^2/NDF:365258.4/10

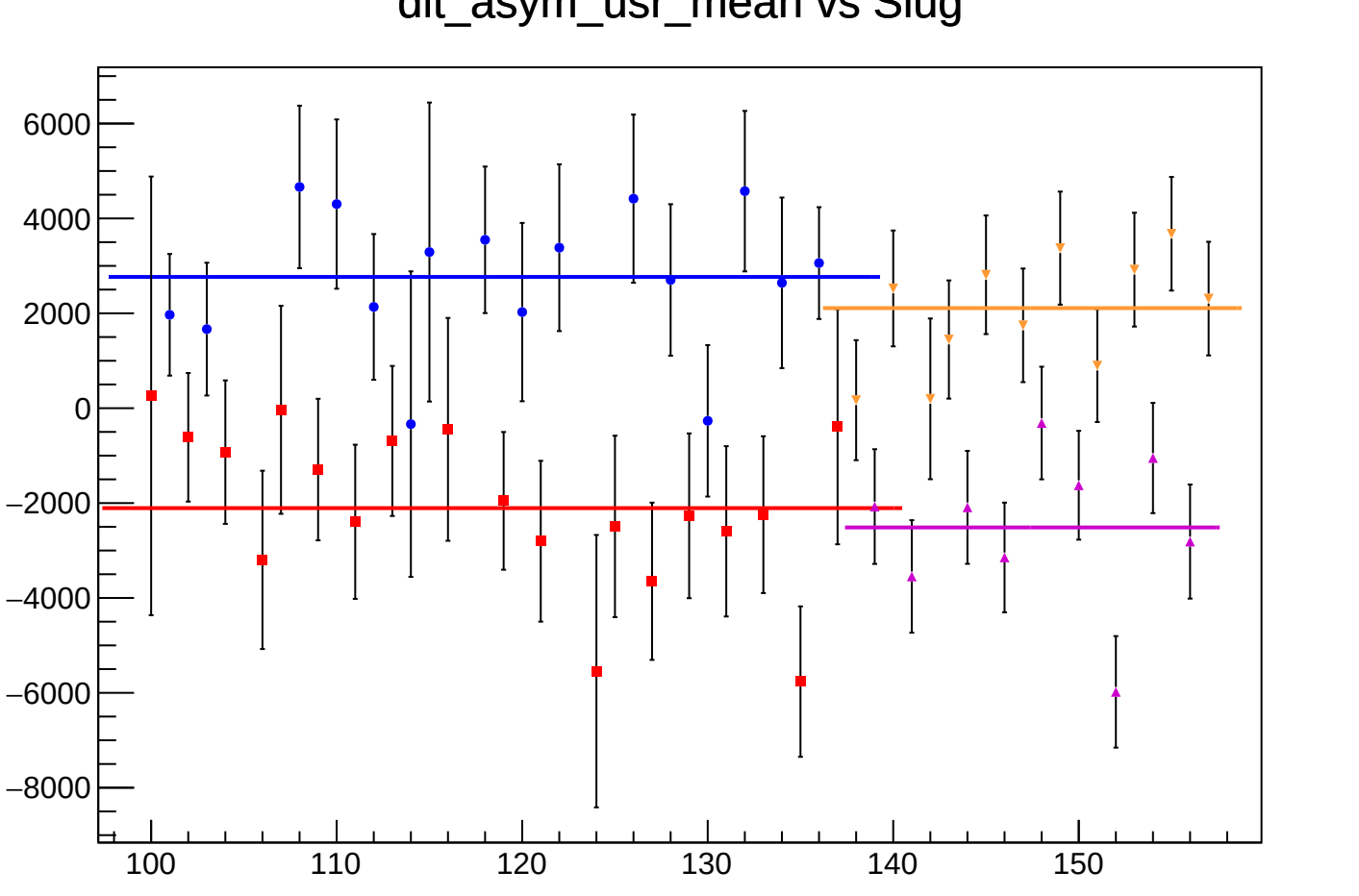
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1423.234+/-0.365 χ^2/NDF:373288.4/8

+ sign 1498.923+/-0.272 χ^2/NDF: 1174662.1/26

All: 1517.649+/-0.196 χ^2/NDF: 2235415.1/54

- sign 1537.994+/-0.284 χ^2/NDF: 1050865.9/27



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.556+/-374.634 χ^2/NDF:8.8/10

Right Out: -2106.358+/-405.586 χ^2/NDF: 13.4/18

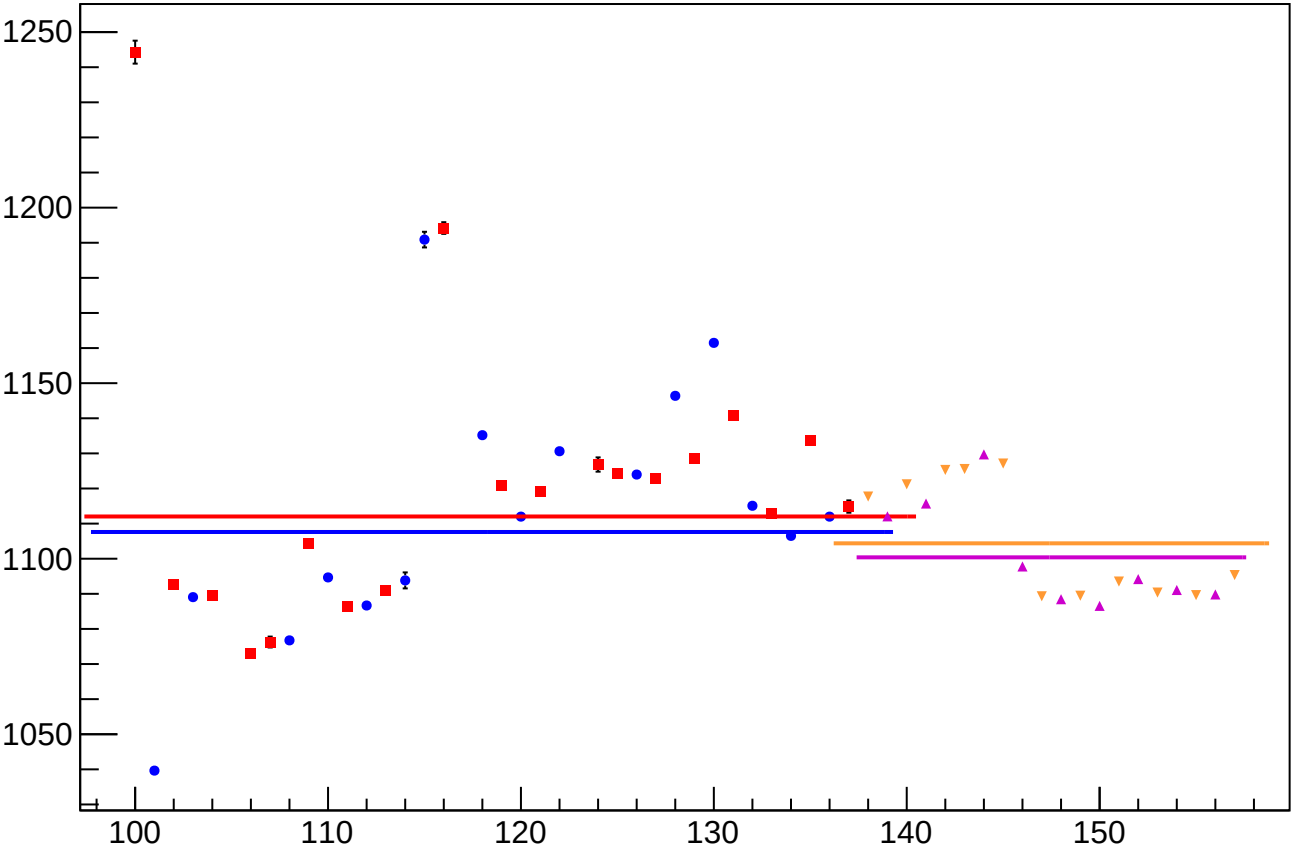
Left In: -2513.703+/-392.968 χ^2/NDF:15.7/8

+ sign 2407.309+/-277.044 χ^2/NDF: 20.5/26

All: 89.185+/-197.706 χ^2/NDF: 192.8/54

- sign -2316.465+/-282.226 χ^2/NDF: 29.6/27

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

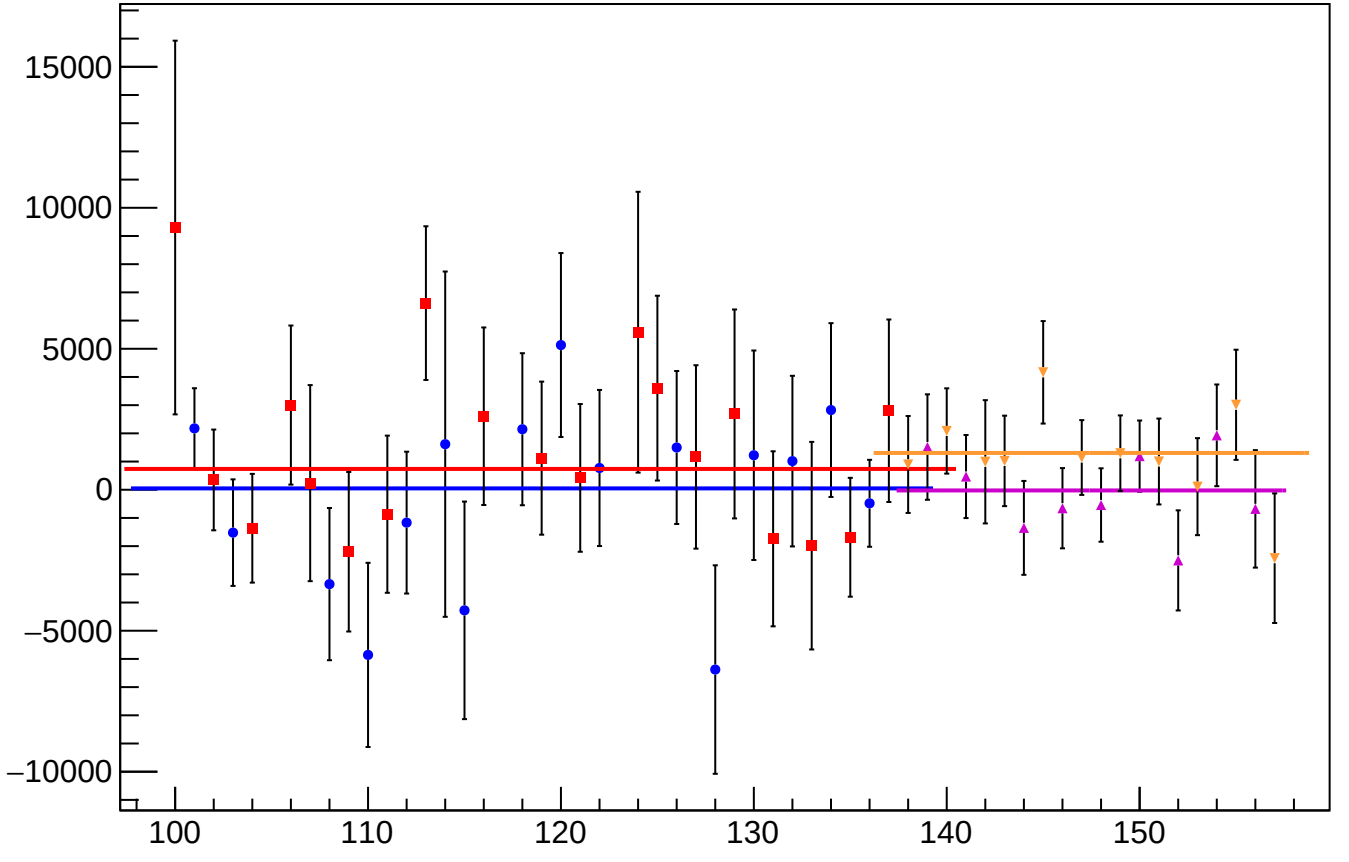
Left In: 1100.389+/-0.278 χ^2/NDF:2574.8/8

+ sign 1105.847+/-0.196 χ^2/NDF: 16920.9/26

All: 1105.934+/-0.140 χ^2/NDF: 28999.3/54

- sign 1106.025+/-0.200 χ^2/NDF: 12078.0/27

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.734 χ^2/NDF:6.8/10

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

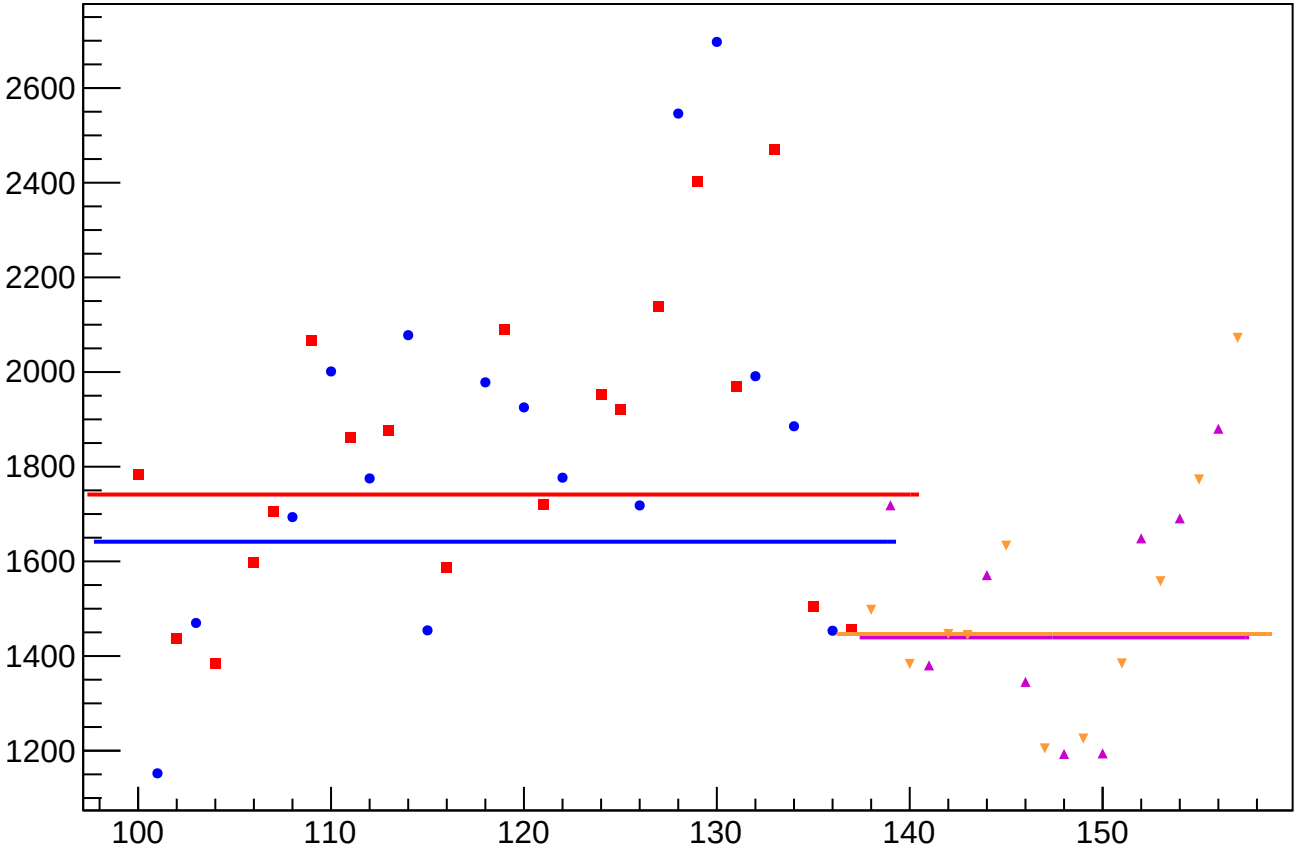
Left In: -24.580+/-521.722 χ^2/NDF:5.9/8

+ sign 819.063+/-390.570 χ^2/NDF: 26.1/26

All: 558.036+/-281.581 χ^2/NDF: 48.8/54

- sign 275.521+/-406.328 χ^2/NDF: 21.7/27

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1446.579+/-0.353 χ^2/NDF:362902.3/10

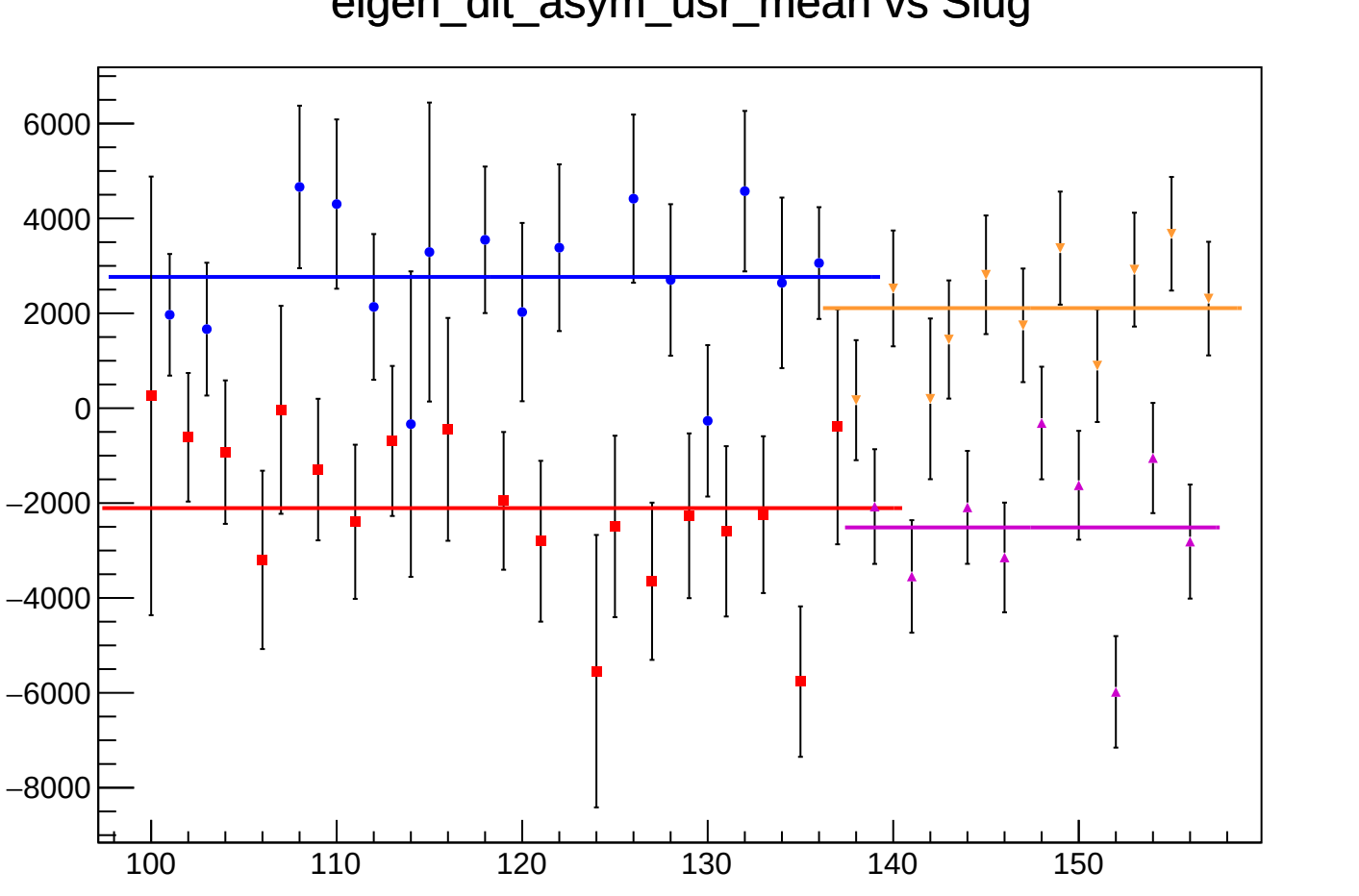
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1439.343+/-0.369 χ^2/NDF:372230.4/8

+ sign 1521.973+/-0.276 χ^2/NDF: 1182401.0/26

All: 1539.325+/-0.199 χ^2/NDF: 2264597.4/54

- sign 1558.105+/-0.287 χ^2/NDF: 1073976.4/27



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2109.555+/-374.634 χ^2/NDF:8.8/10

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

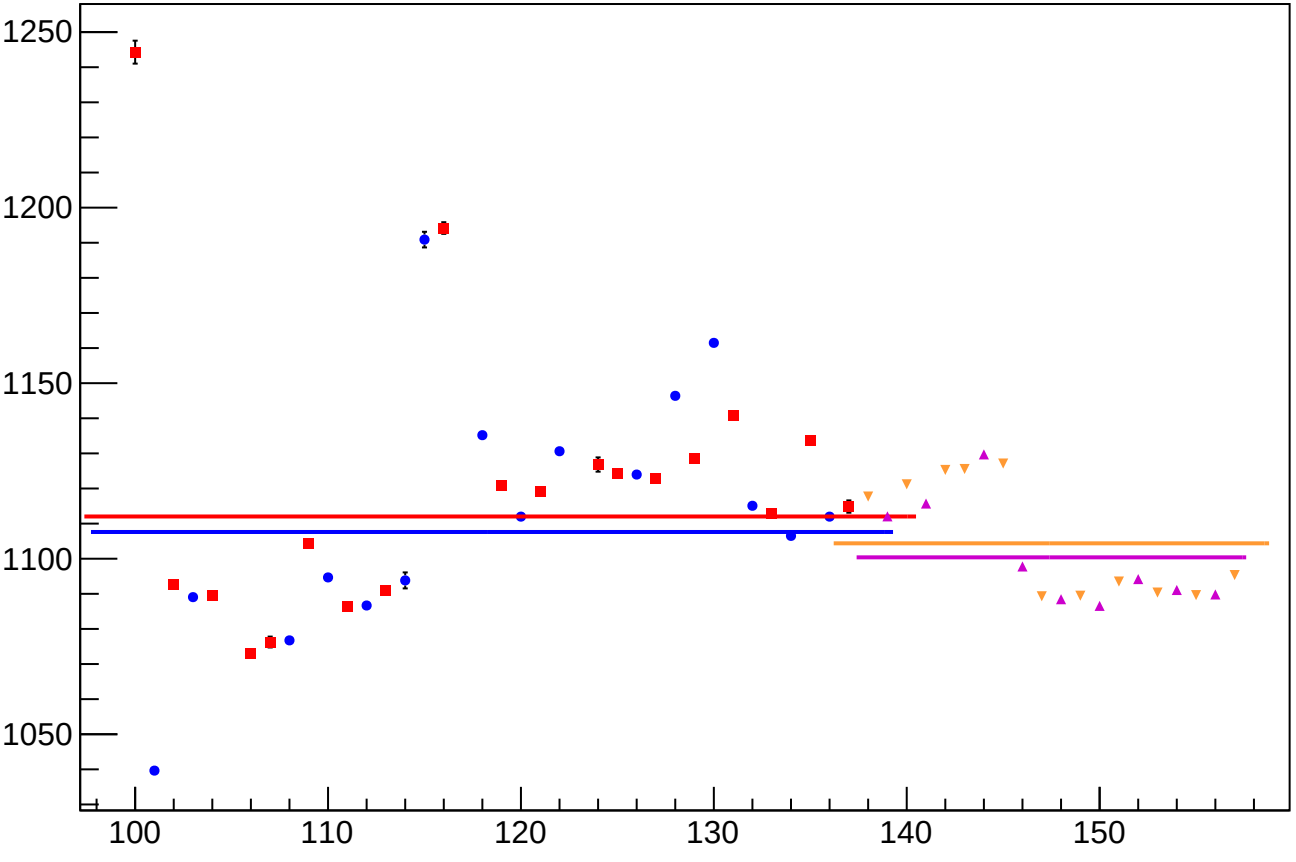
Left In: -2513.703+/-392.968 χ^2/NDF:15.7/8

+ sign 2407.308+/-277.044 χ^2/NDF: 20.5/26

All: 89.184+/-197.706 χ^2/NDF: 192.8/54

- sign -2316.466+/-282.226 χ^2/NDF: 29.6/27

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1104.383+/-0.265 χ^2/NDF:3632.7/10

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

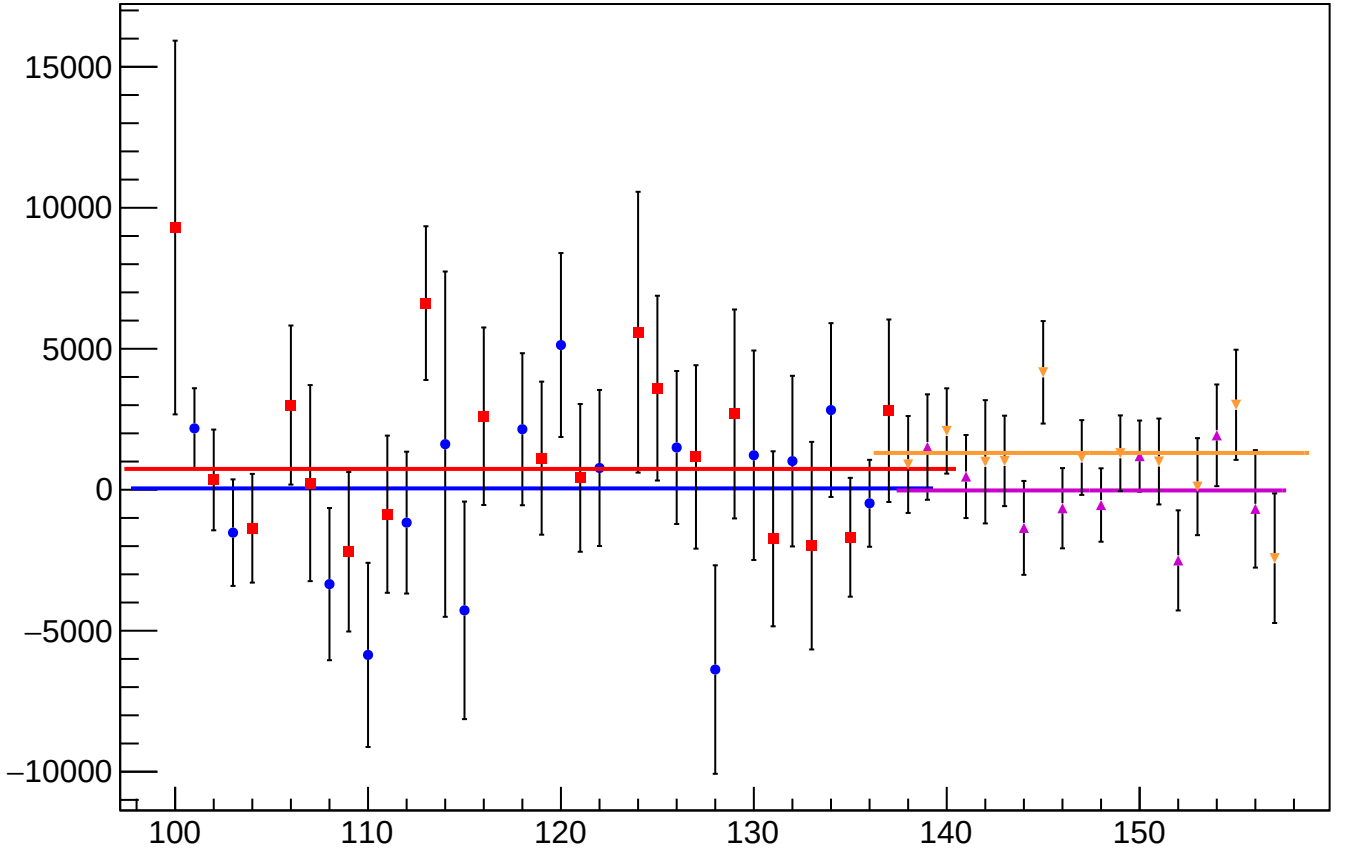
Left In: 1100.389+/-0.278 χ^2/NDF:2574.8/8

+ sign 1105.847+/-0.196 χ^2/NDF: 16920.7/26

All: 1105.934+/-0.140 χ^2/NDF: 28999.2/54

- sign 1106.025+/-0.200 χ^2/NDF: 12078.0/27

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1305.388+/-498.735 χ^2/NDF:6.8/10

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

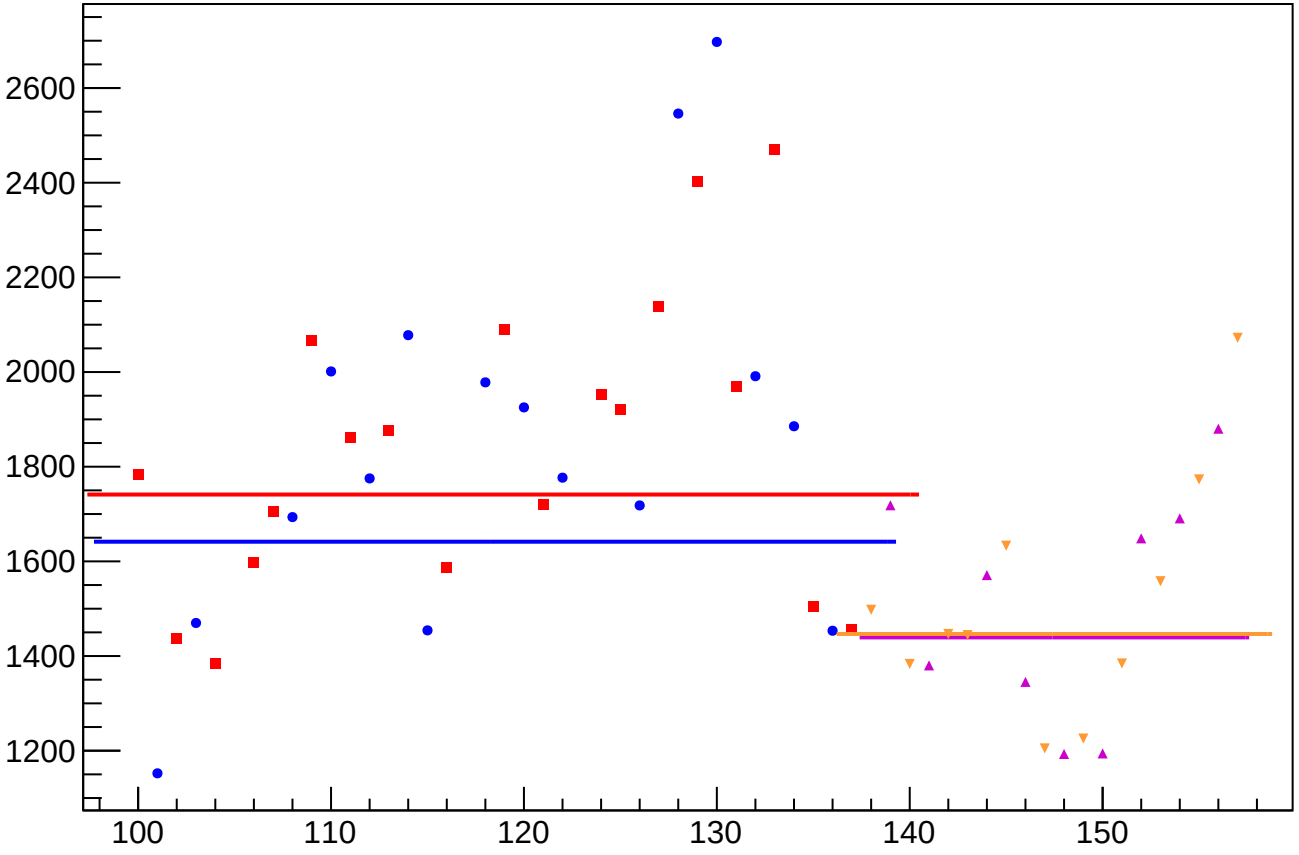
Left In: -24.581+/-521.723 χ^2/NDF:5.9/8

+ sign 819.059+/-390.570 χ^2/NDF: 26.1/26

All: 558.035+/-281.581 χ^2/NDF: 48.8/54

- sign 275.524+/-406.328 χ^2/NDF: 21.7/27

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1446.583+/-0.353 χ^2/NDF:362906.9/10

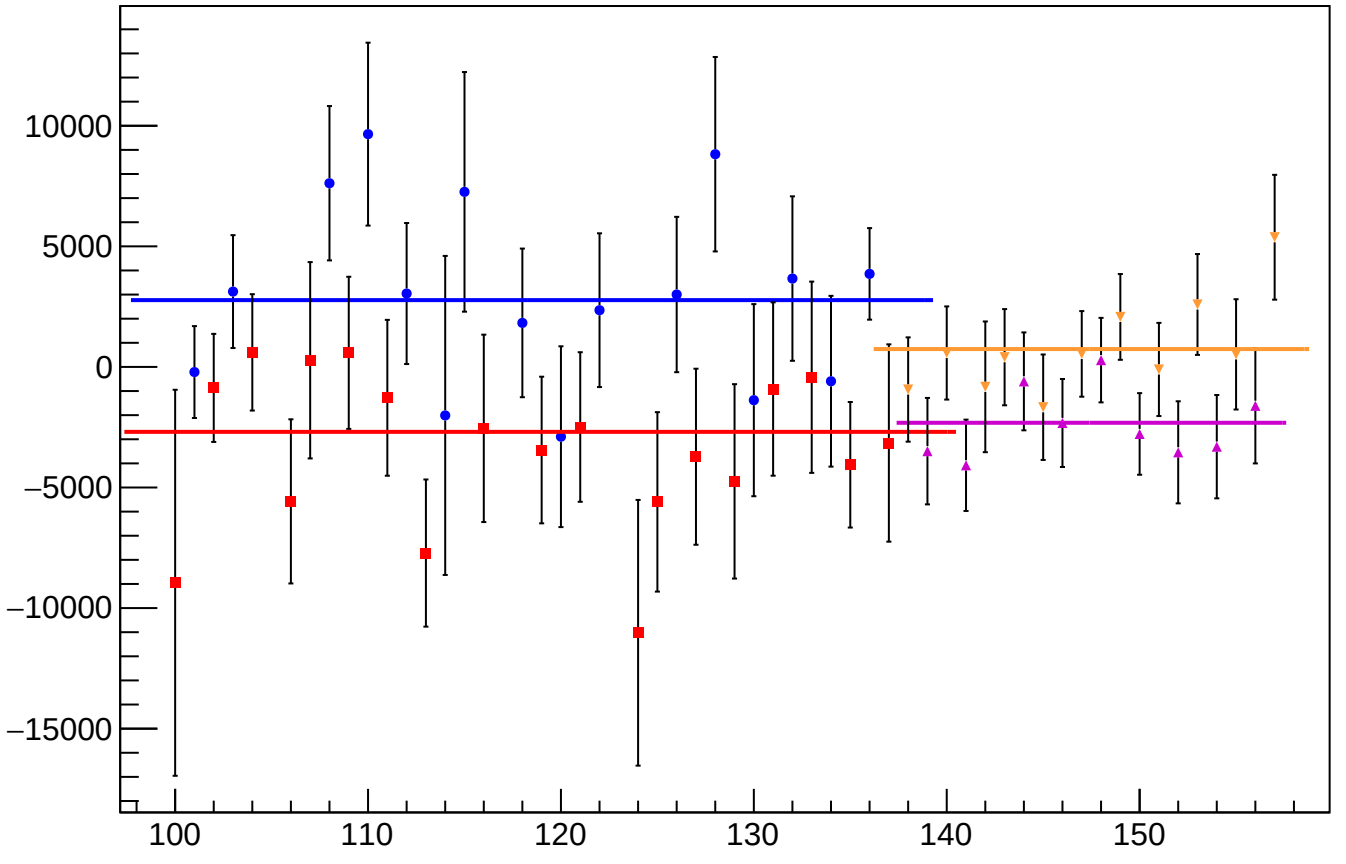
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1439.346+/-0.369 χ^2/NDF:372235.8/8

+ sign 1521.975+/-0.276 χ^2/NDF: 1182387.1/26

All: 1539.327+/-0.199 χ^2/NDF: 2264568.8/54

- sign 1558.107+/-0.287 χ^2/NDF: 1073961.6/27



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 740.596+/-626.304 χ^2/NDF:7.0/10

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

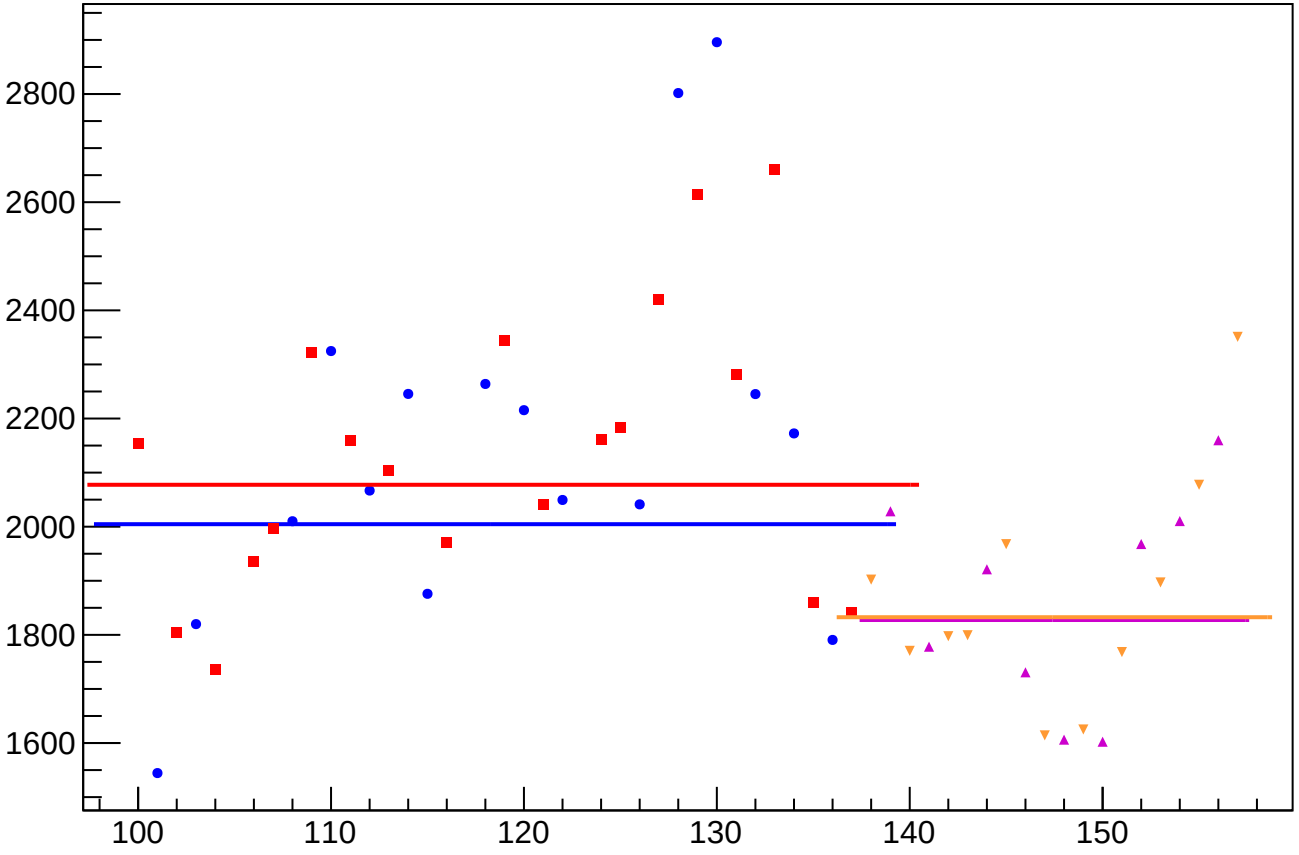
Left In: -2316.253+/-656.790 χ^2/NDF:4.8/8

+ sign 1565.094+/-482.585 χ^2/NDF: 27.7/26

All: -389.673+/-346.741 χ^2/NDF: 79.0/54

- sign -2475.778+/-498.534 χ^2/NDF: 17.4/27

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1832.624+/-0.443 χ^2/NDF:177501.1/10

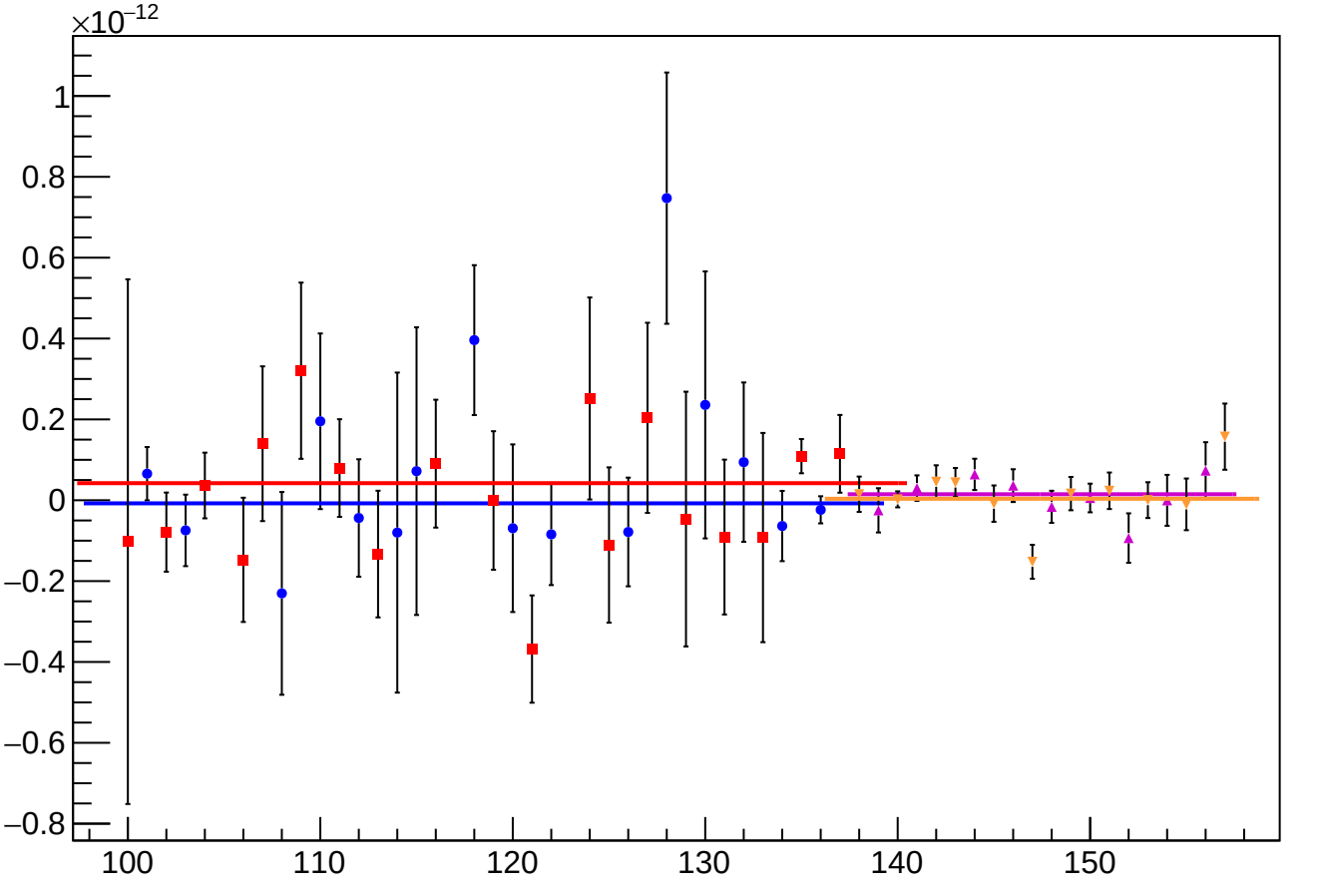
Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1827.476+/-0.464 χ^2/NDF:157182.9/8

+ sign 1902.509+/-0.341 χ^2/NDF: 626360.8/26

All: 1917.476+/-0.245 χ^2/NDF: 1140845.5/54

- sign 1933.449+/-0.353 χ^2/NDF: 510508.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

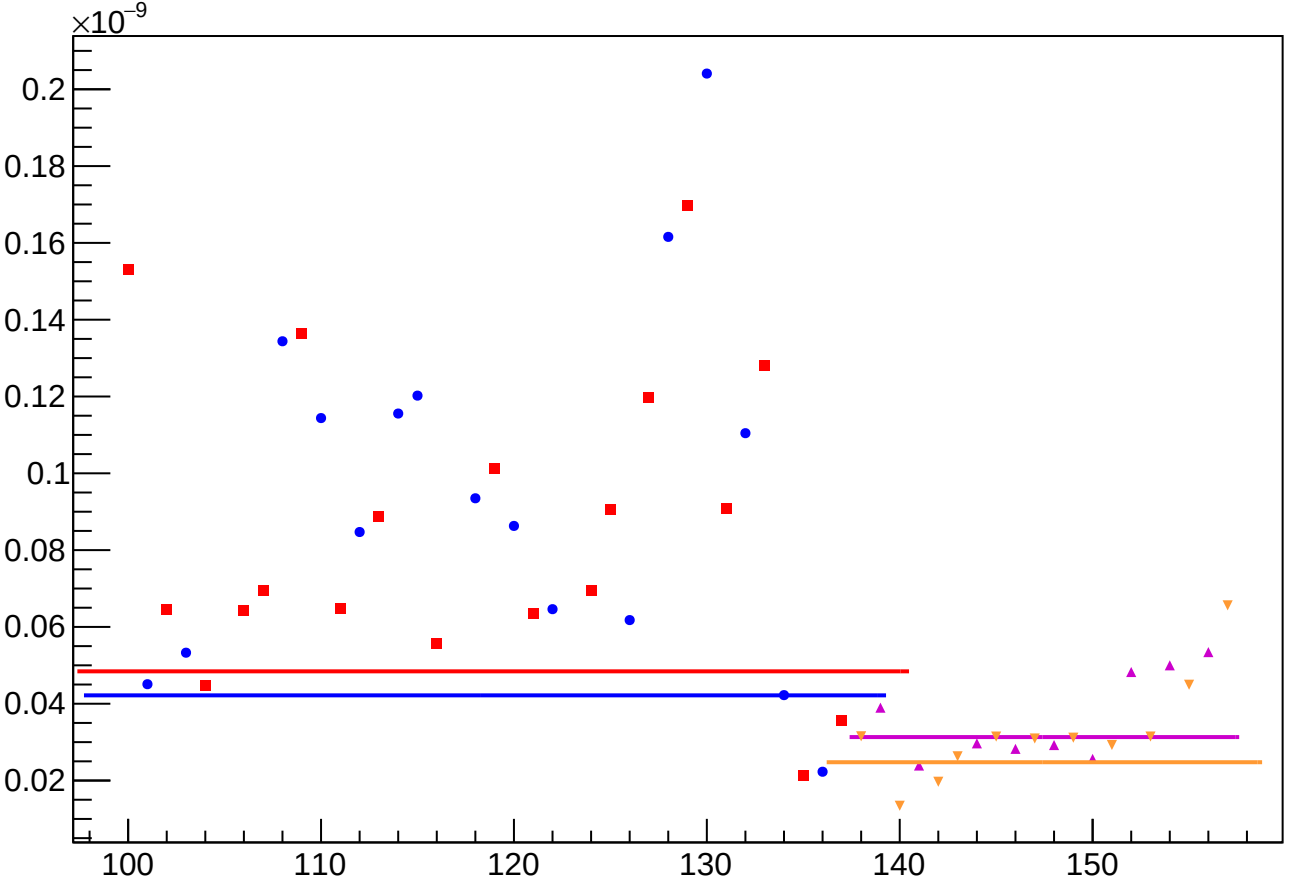
Left In: 0.000+/-0.000 χ^2/NDF:7.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 67.9/54

- sign 0.000+/-0.000 χ^2/NDF: 29.8/27

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636265.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

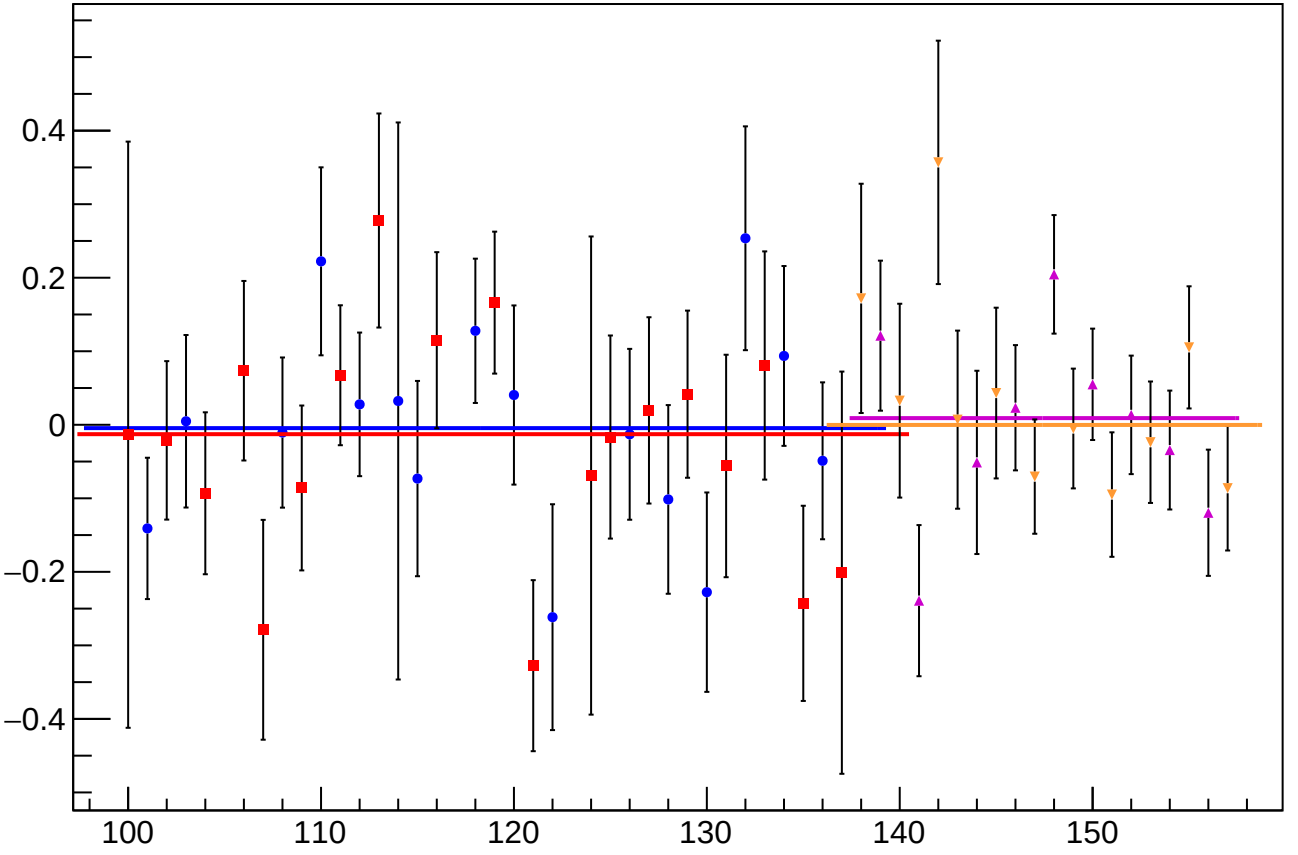
Left In: 0.000+/-0.000 χ^2/NDF:749551.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 5408341.4/26

All: 0.000+/-0.000 χ^2/NDF: 9763468.8/54

- sign 0.000+/-0.000 χ^2/NDF: 3977716.3/27

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

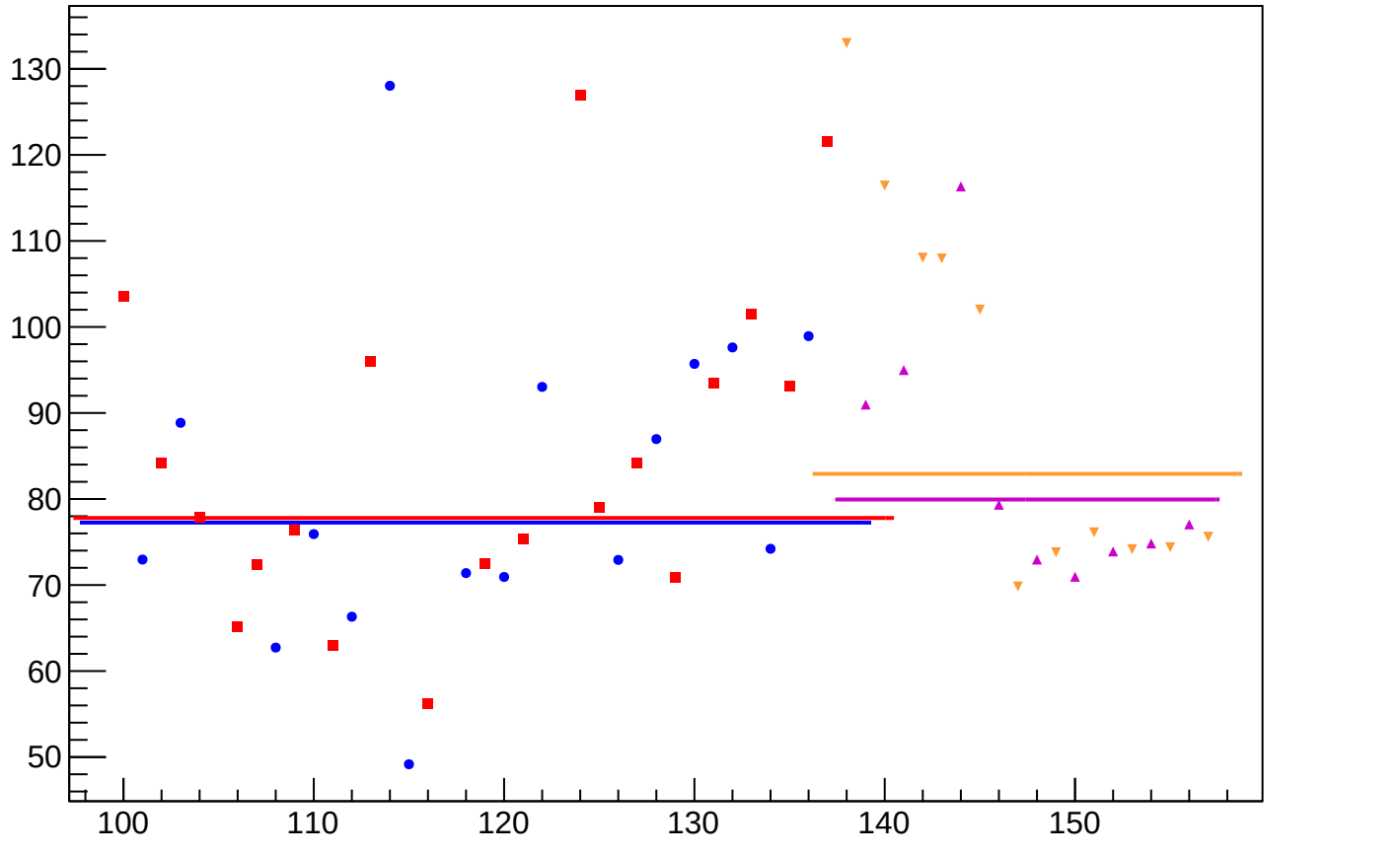
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.009+/-0.029 χ^2/NDF:16.1/8

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.002+/-0.015 χ^2/NDF: 70.0/54

- sign -0.002+/-0.021 χ^2/NDF: 41.8/27



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

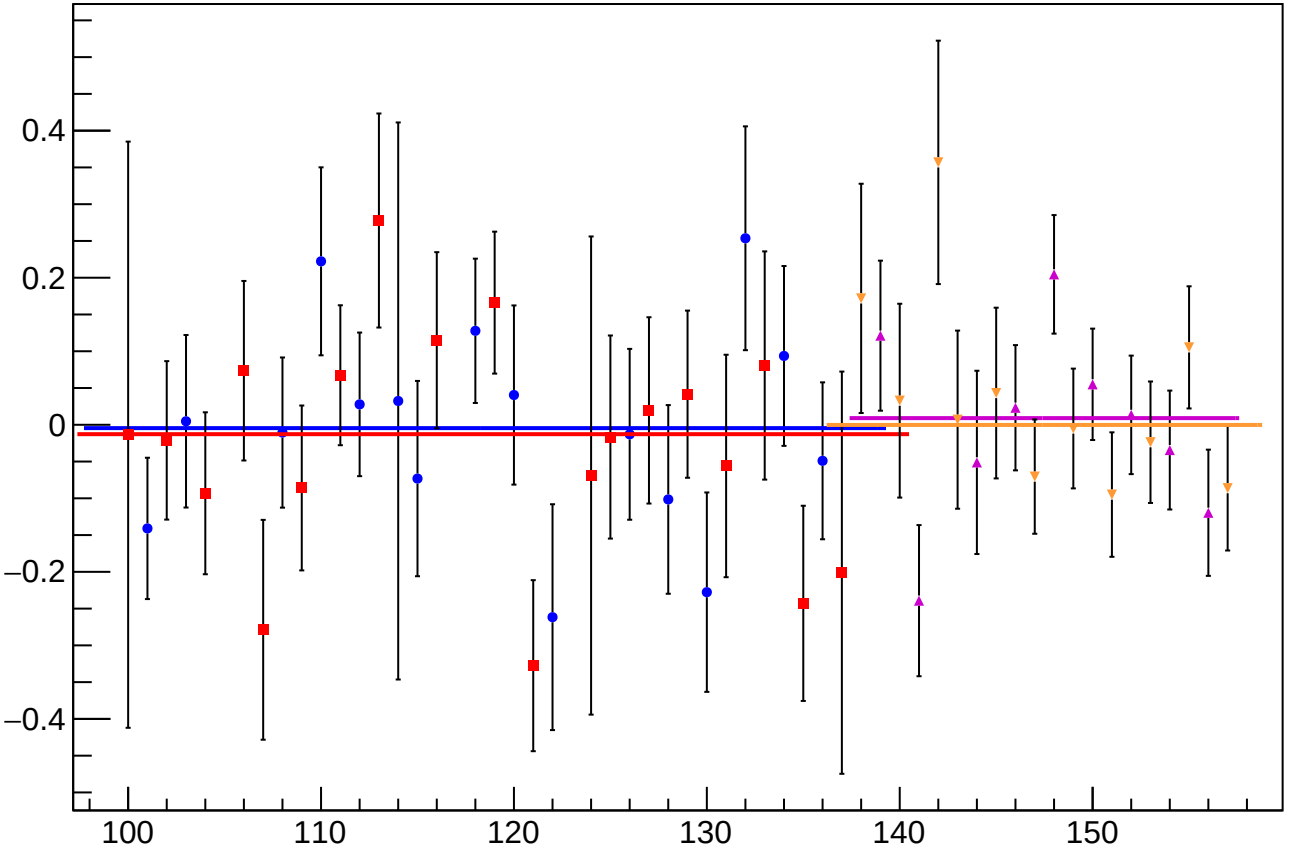
Left In: 79.943+/-0.021 χ^2/NDF:301549.3/8

+ sign 80.162+/-0.015 χ^2/NDF: 1130396.4/26

All: 79.520+/-0.010 χ^2/NDF: 1837436.2/54

- sign 78.885+/-0.015 χ^2/NDF: 703315.9/27

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

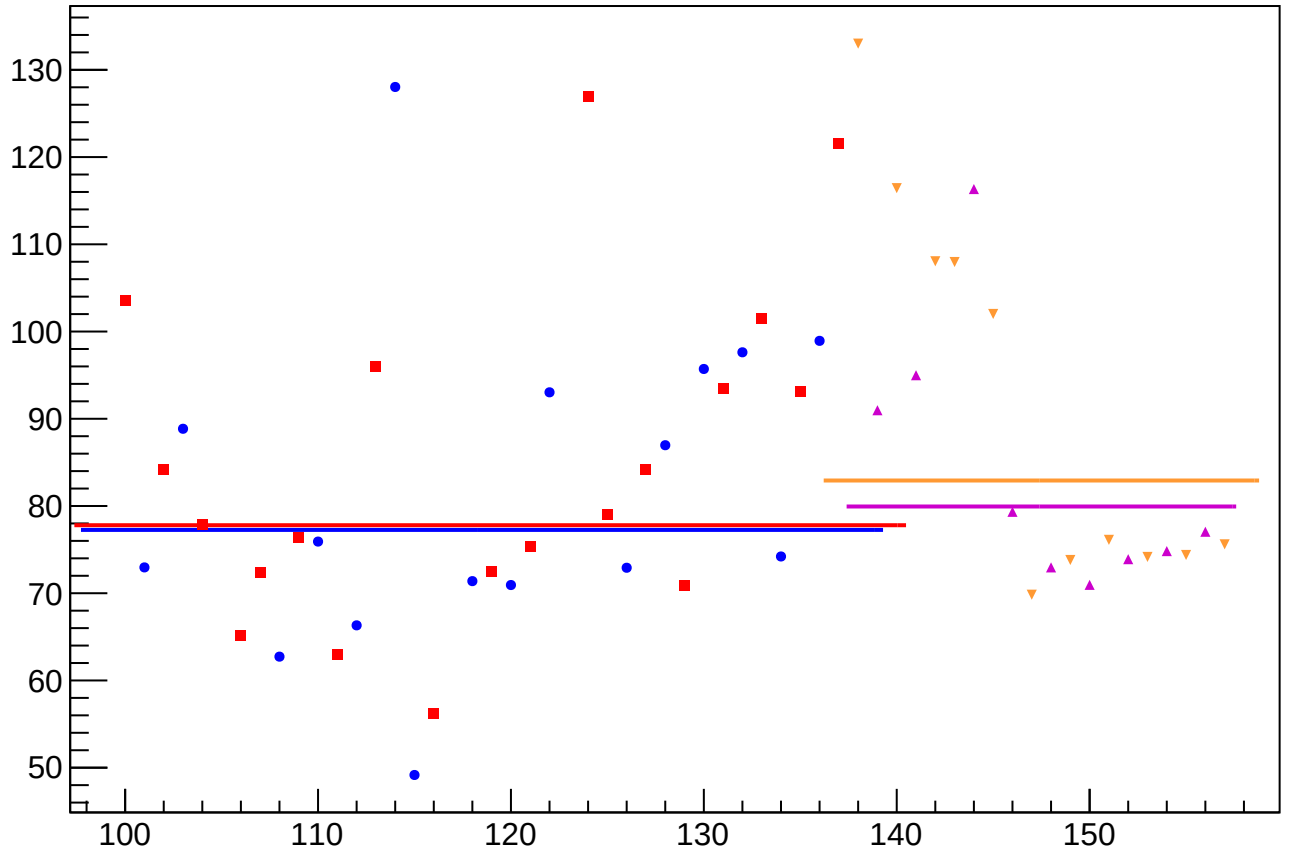
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.009+/-0.029 χ^2/NDF:16.1/8

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.002+/-0.015 χ^2/NDF: 70.0/54

- sign -0.002+/-0.021 χ^2/NDF: 41.8/27



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 82.923+/-0.021 χ^2/NDF:674693.1/10

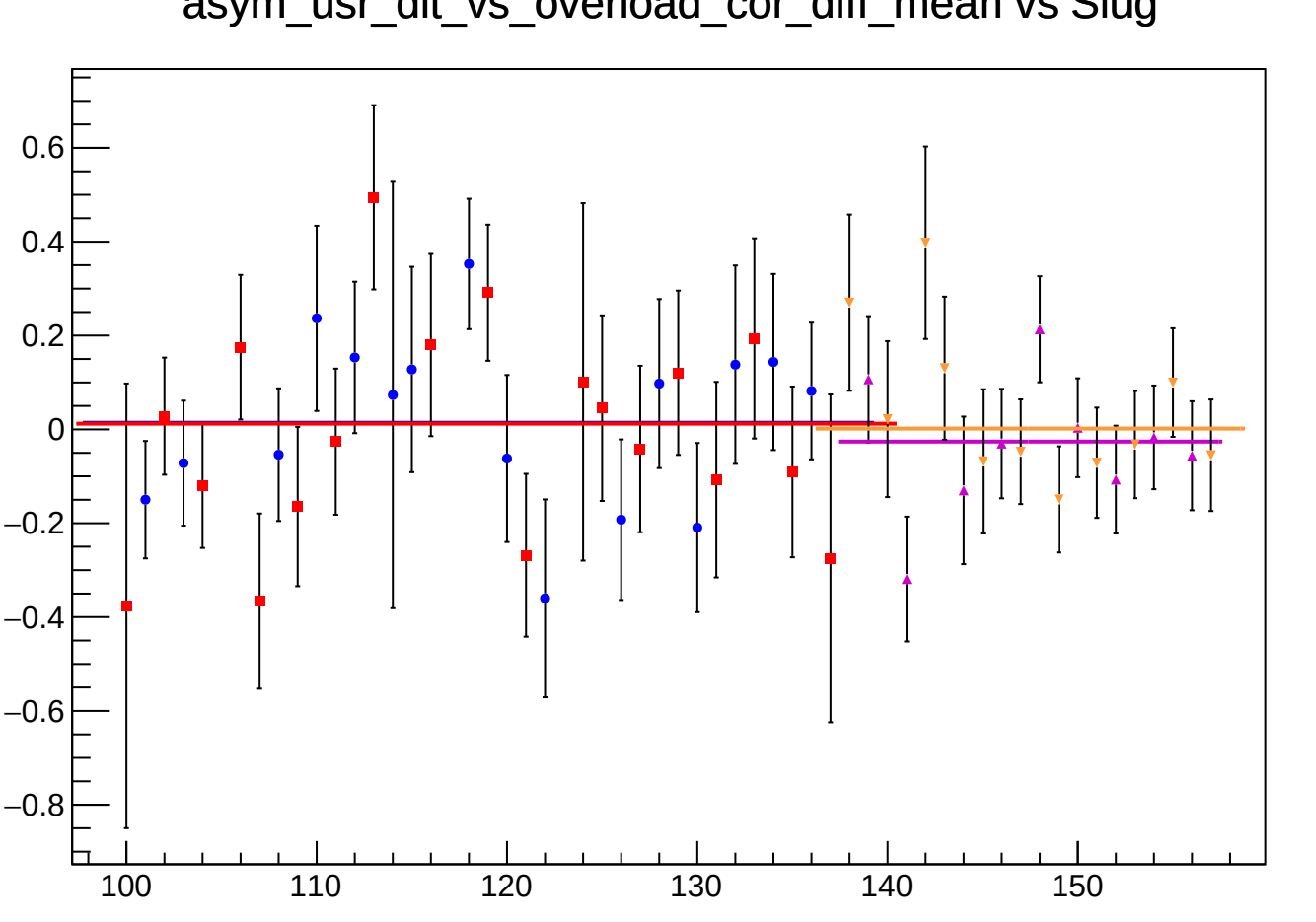
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.943+/-0.021 χ^2/NDF:301549.3/8

+ sign 80.162+/-0.015 χ^2/NDF: 1130396.4/26

All: 79.520+/-0.010 χ^2/NDF: 1837436.2/54

- sign 78.885+/-0.015 χ^2/NDF: 703315.9/27



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.040 χ^2/NDF:10.1/10

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

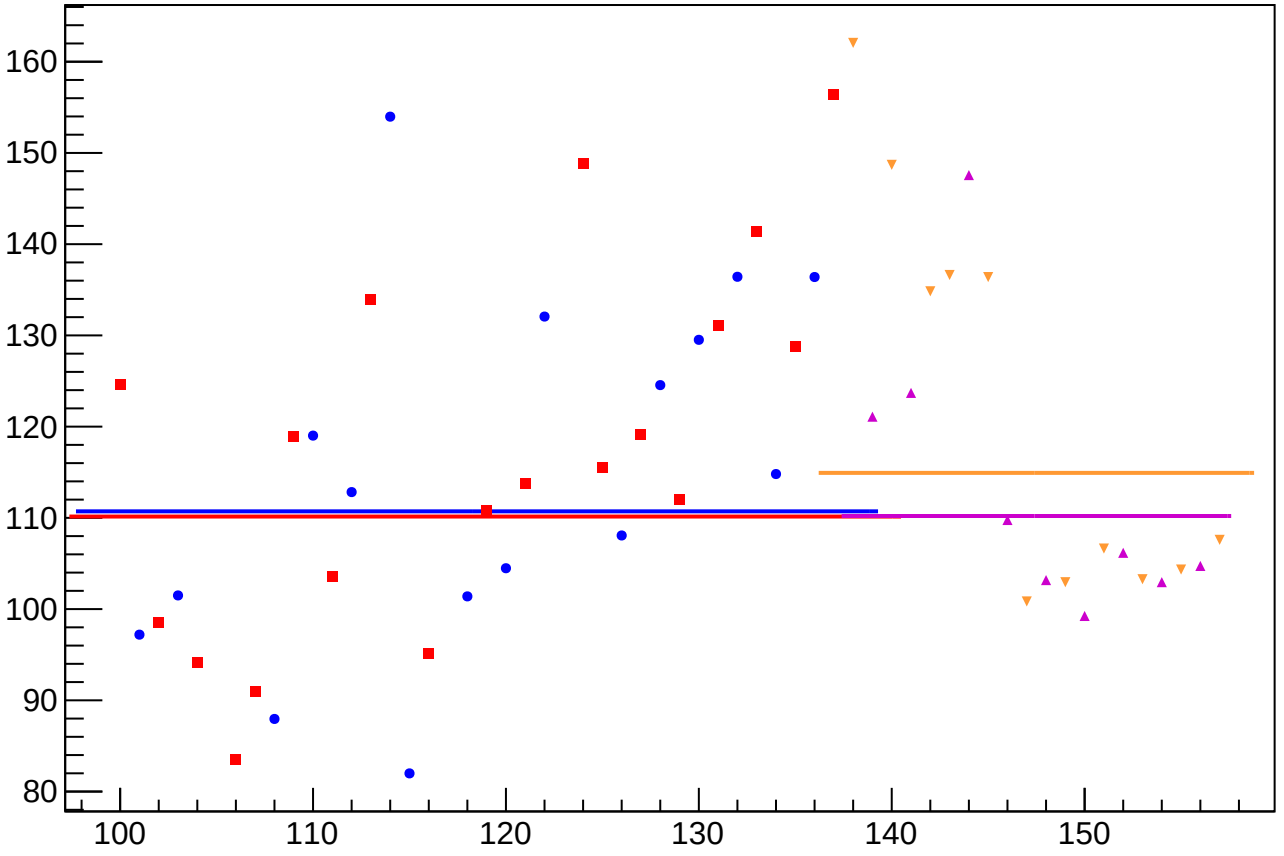
Left In: -0.026+/-0.040 χ^2/NDF:11.4/8

+ sign 0.008+/-0.029 χ^2/NDF: 28.3/26

All: -0.000+/-0.020 χ^2/NDF: 64.1/54

- sign -0.008+/-0.029 χ^2/NDF: 35.6/27

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 114.931+/-0.028 χ^2/NDF:416536.5/10

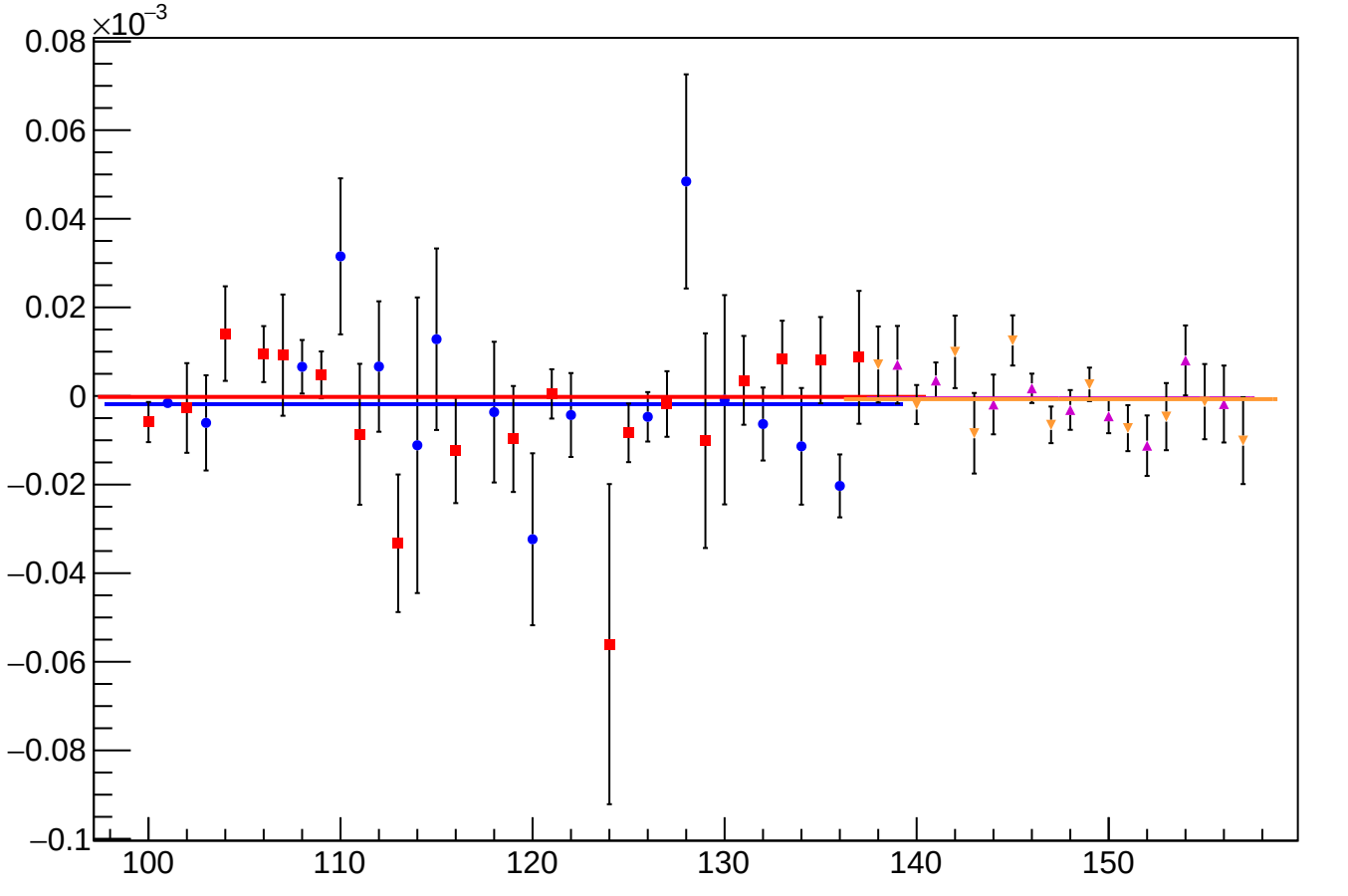
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.204+/-0.028 χ^2/NDF:191575.7/8

+ sign 112.942+/-0.021 χ^2/NDF: 727023.4/26

All: 111.544+/-0.014 χ^2/NDF: 1254506.2/54

- sign 110.175+/-0.020 χ^2/NDF: 518304.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

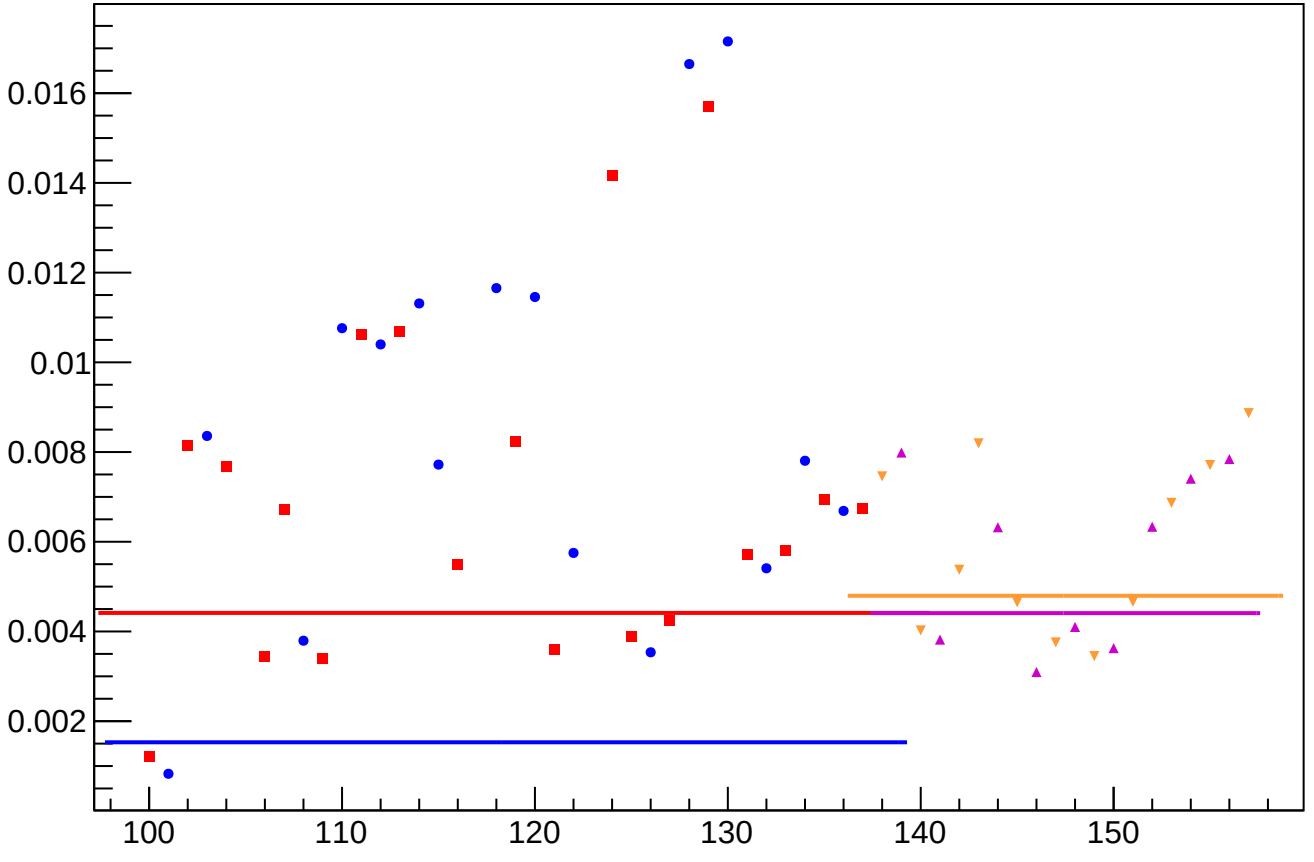
Left In: -0.000+/-0.000 χ^2/NDF:7.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/26

All: -0.000+/-0.000 χ^2/NDF: 63.9/54

- sign -0.000+/-0.000 χ^2/NDF: 27.2/27

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1656288.9/10

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

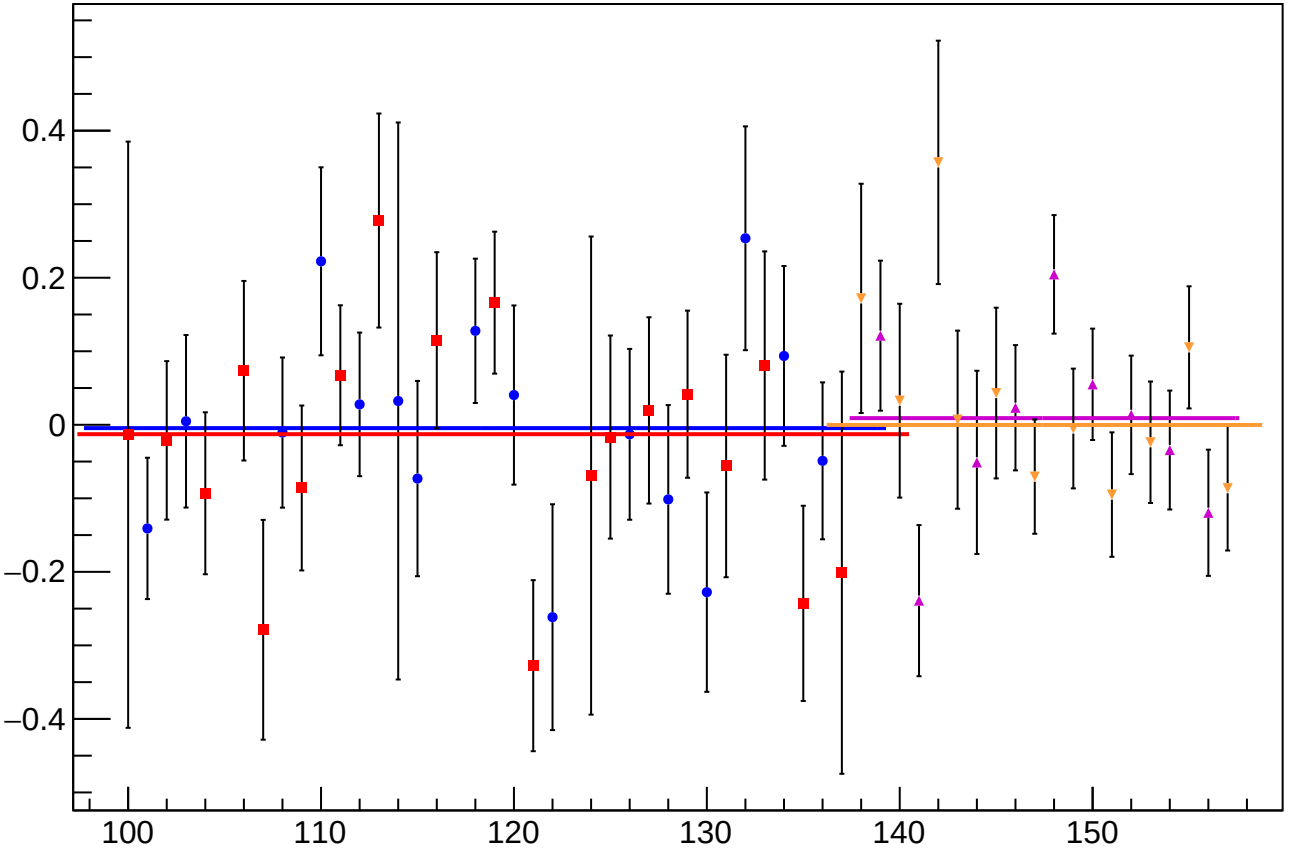
Left In: 0.004+/-0.000 χ^2/NDF:1703830.3/8

+ sign 0.002+/-0.000 χ^2/NDF: 16257433.2/26

All: 0.003+/-0.000 χ^2/NDF: 25156501.8/54

- sign 0.004+/-0.000 χ^2/NDF: 5091905.4/27

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

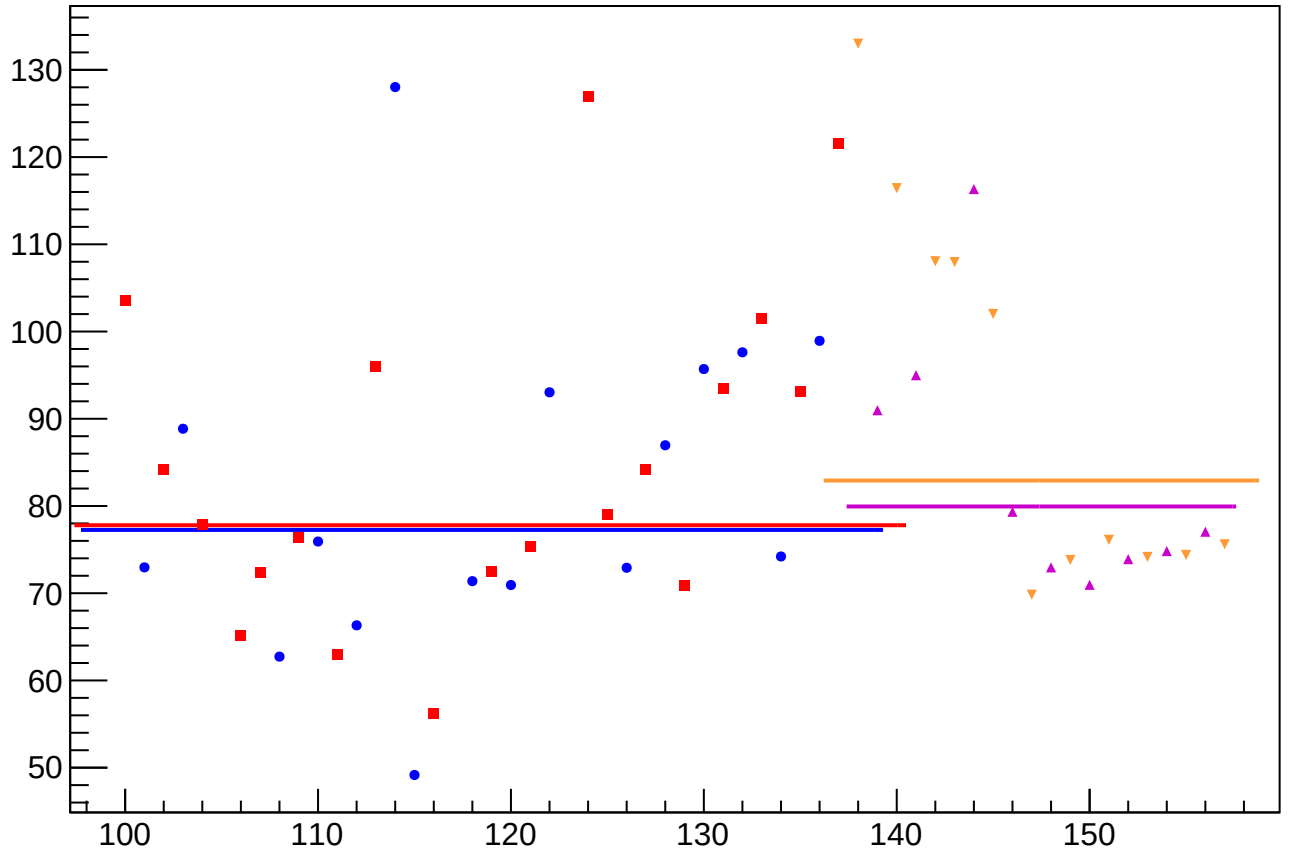
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.009+/-0.029 χ^2/NDF:16.1/8

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.002+/-0.015 χ^2/NDF: 70.0/54

- sign -0.002+/-0.021 χ^2/NDF: 41.8/27



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.923+/-0.021 χ^2/NDF:674691.5/10

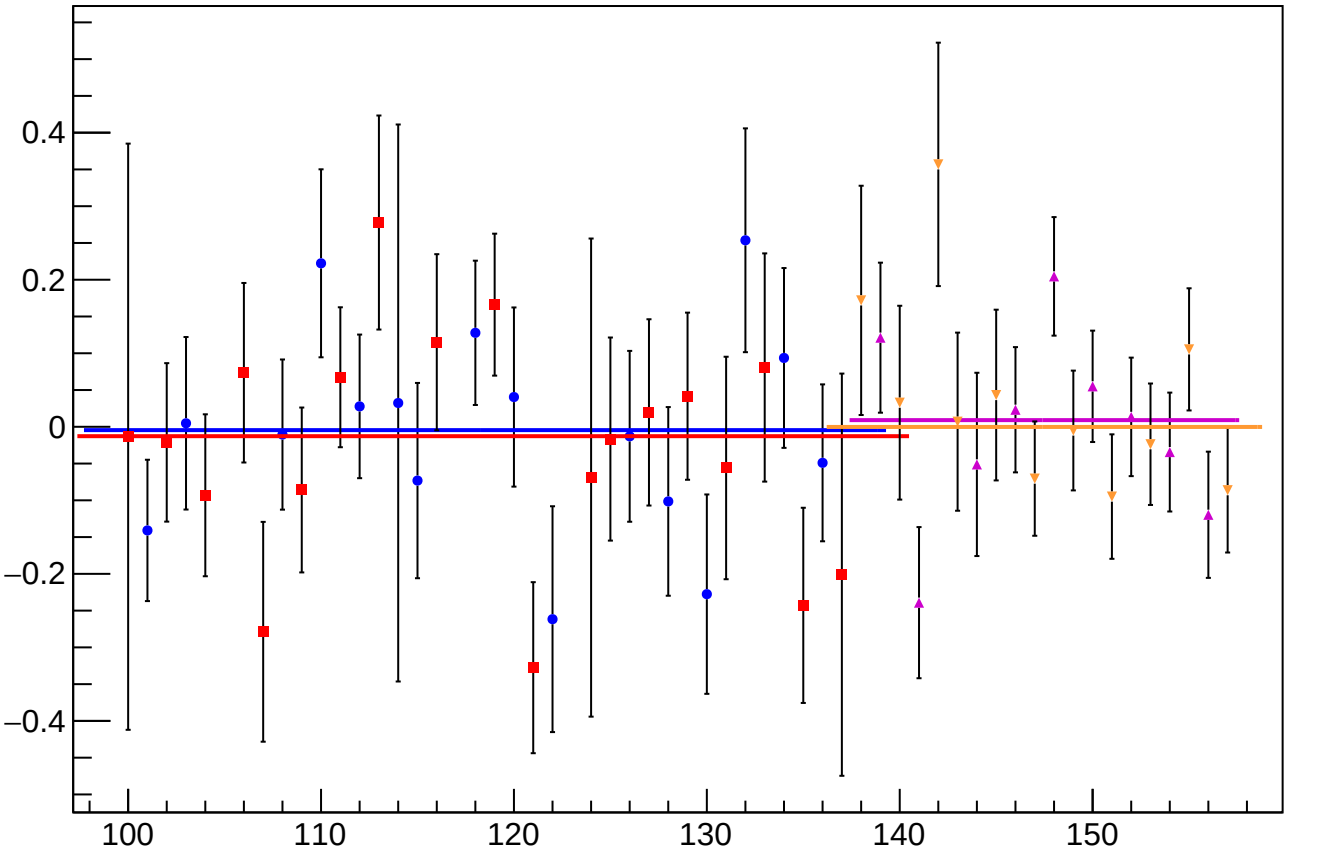
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.943+/-0.021 χ^2/NDF:301552.6/8

+ sign 80.161+/-0.015 χ^2/NDF: 1130407.9/26

All: 79.519+/-0.010 χ^2/NDF: 1837457.7/54

- sign 78.884+/-0.015 χ^2/NDF: 703325.6/27



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.029 χ^2/NDF:10.9/10

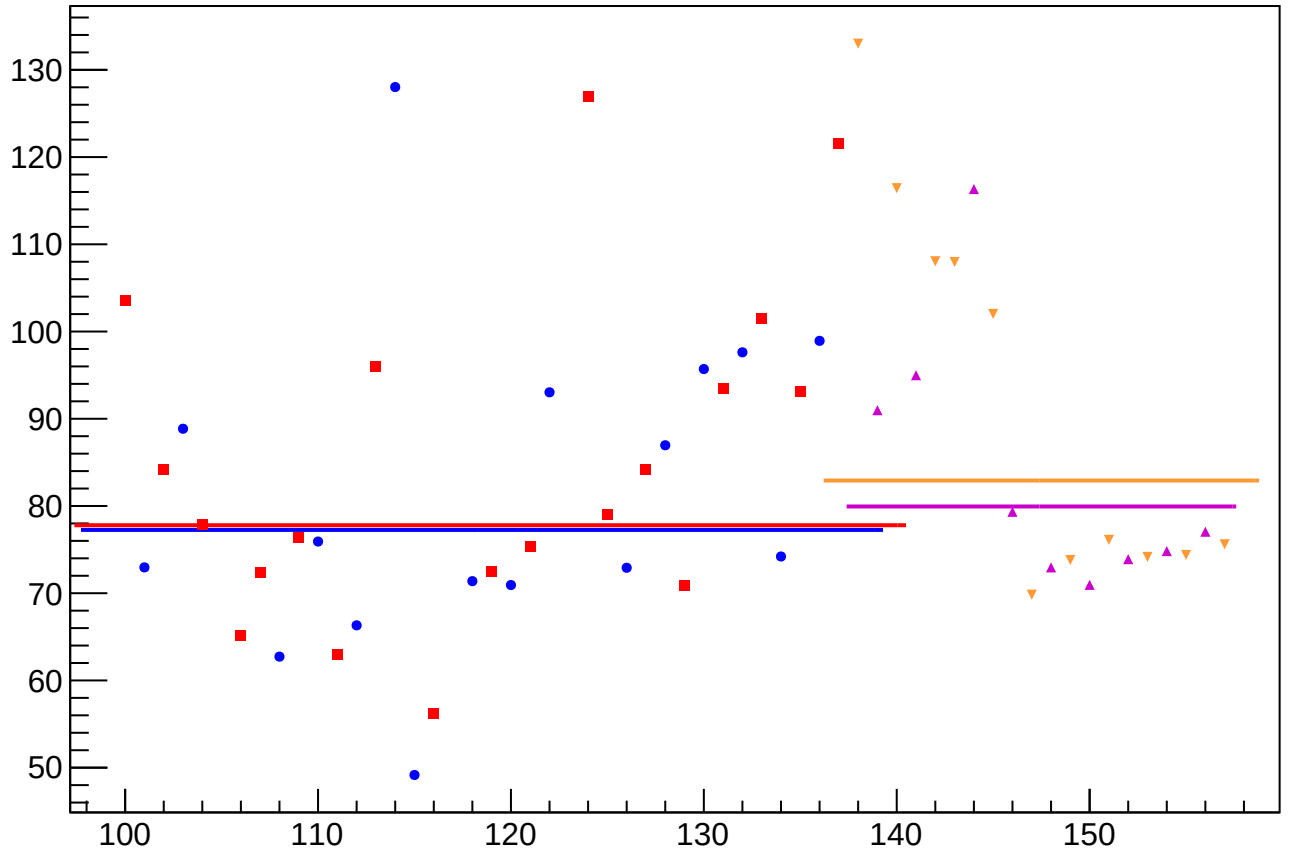
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.009+/-0.029 χ^2/NDF:16.1/8

+ sign -0.002+/-0.021 χ^2/NDF: 28.2/26

All: -0.002+/-0.015 χ^2/NDF: 70.0/54

- sign -0.002+/-0.021 χ^2/NDF: 41.8/27



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 82.923+/-0.021 χ^2/NDF:674691.5/10

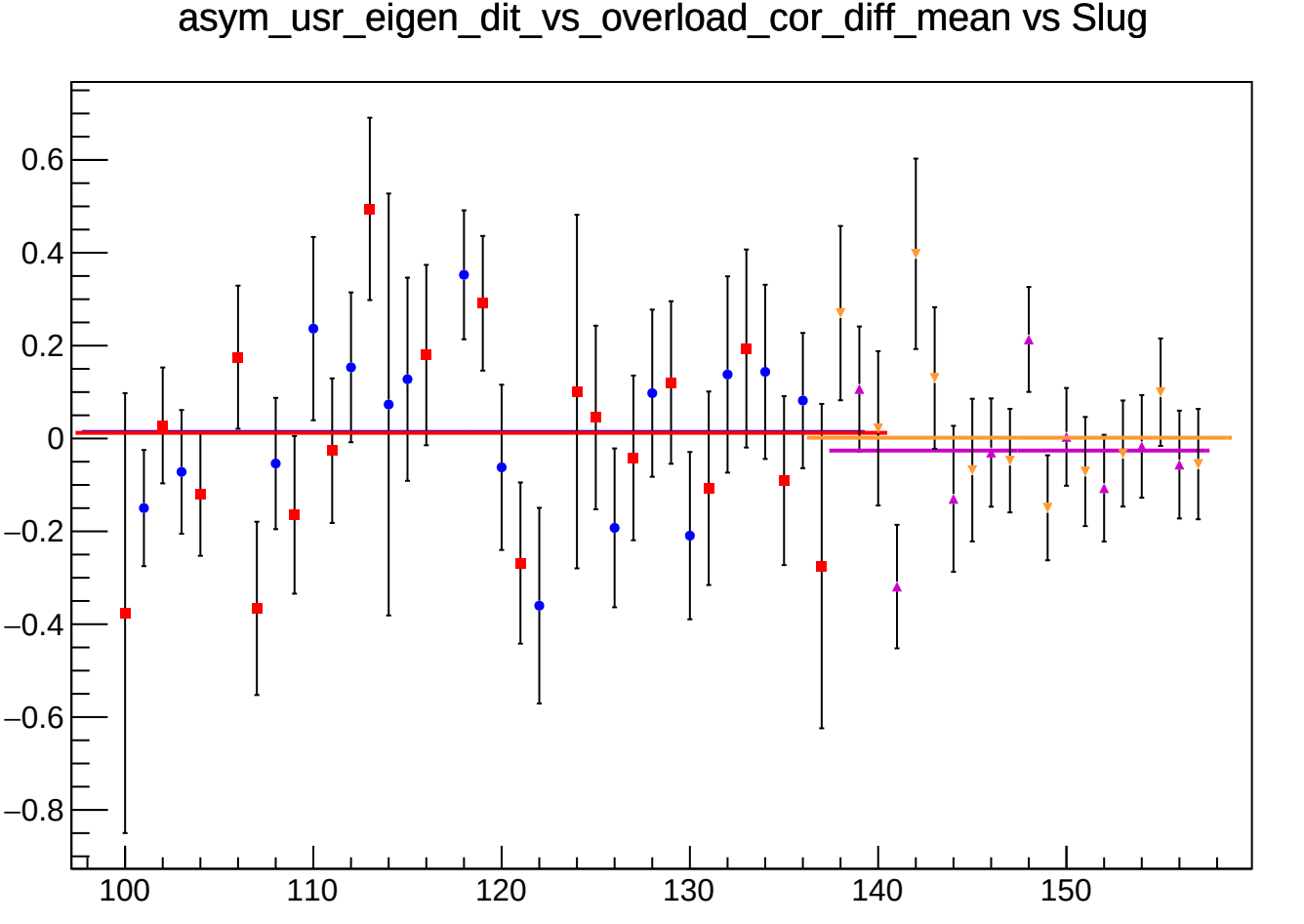
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.943+/-0.021 χ^2/NDF:301552.6/8

+ sign 80.161+/-0.015 χ^2/NDF: 1130407.9/26

All: 79.519+/-0.010 χ^2/NDF: 1837457.7/54

- sign 78.884+/-0.015 χ^2/NDF: 703325.6/27



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.040 χ^2/NDF:10.1/10

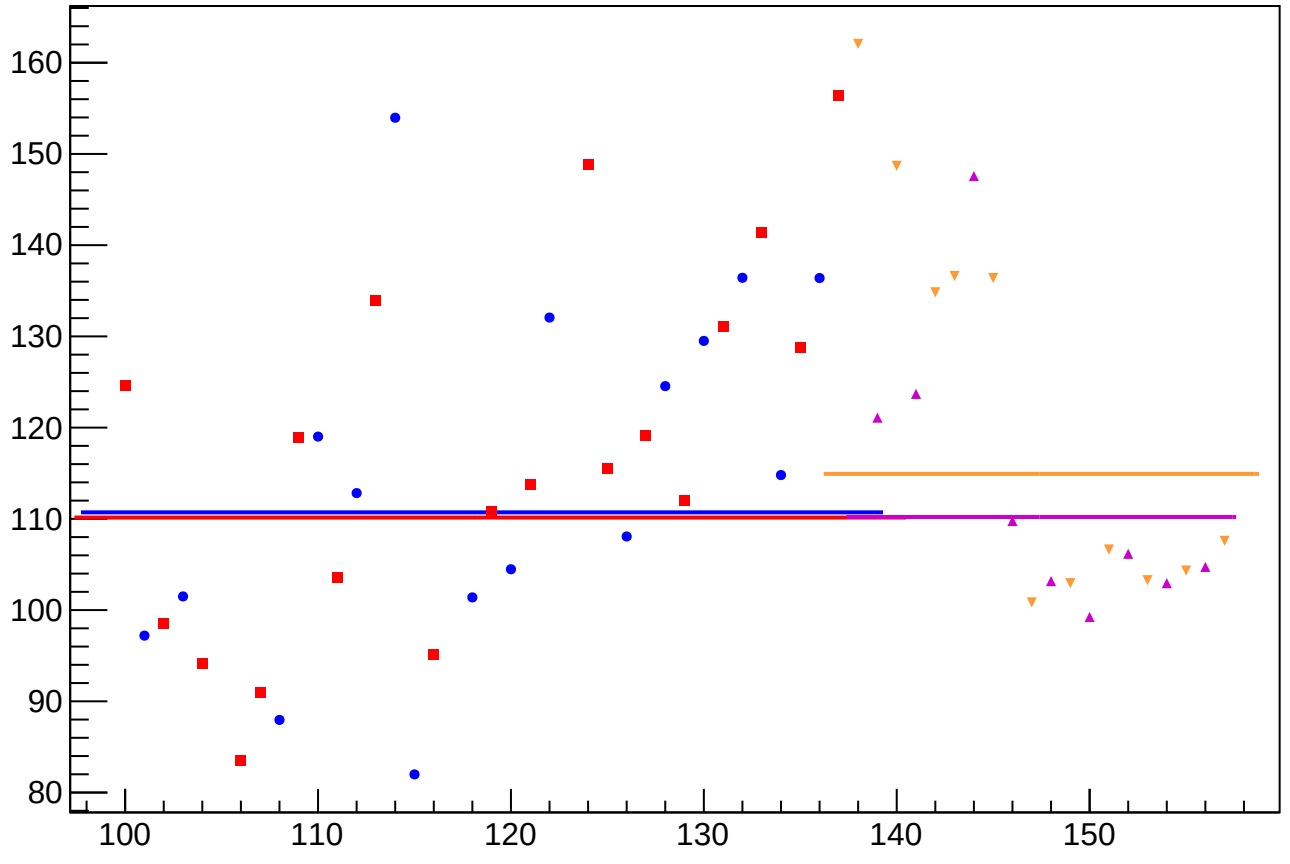
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.026+/-0.040 χ^2/NDF:11.4/8

+ sign 0.008+/-0.029 χ^2/NDF: 28.3/26

All: -0.000+/-0.020 χ^2/NDF: 64.1/54

- sign -0.008+/-0.029 χ^2/NDF: 35.6/27



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 114.931+/-0.028 χ^2/NDF:416534.5/10

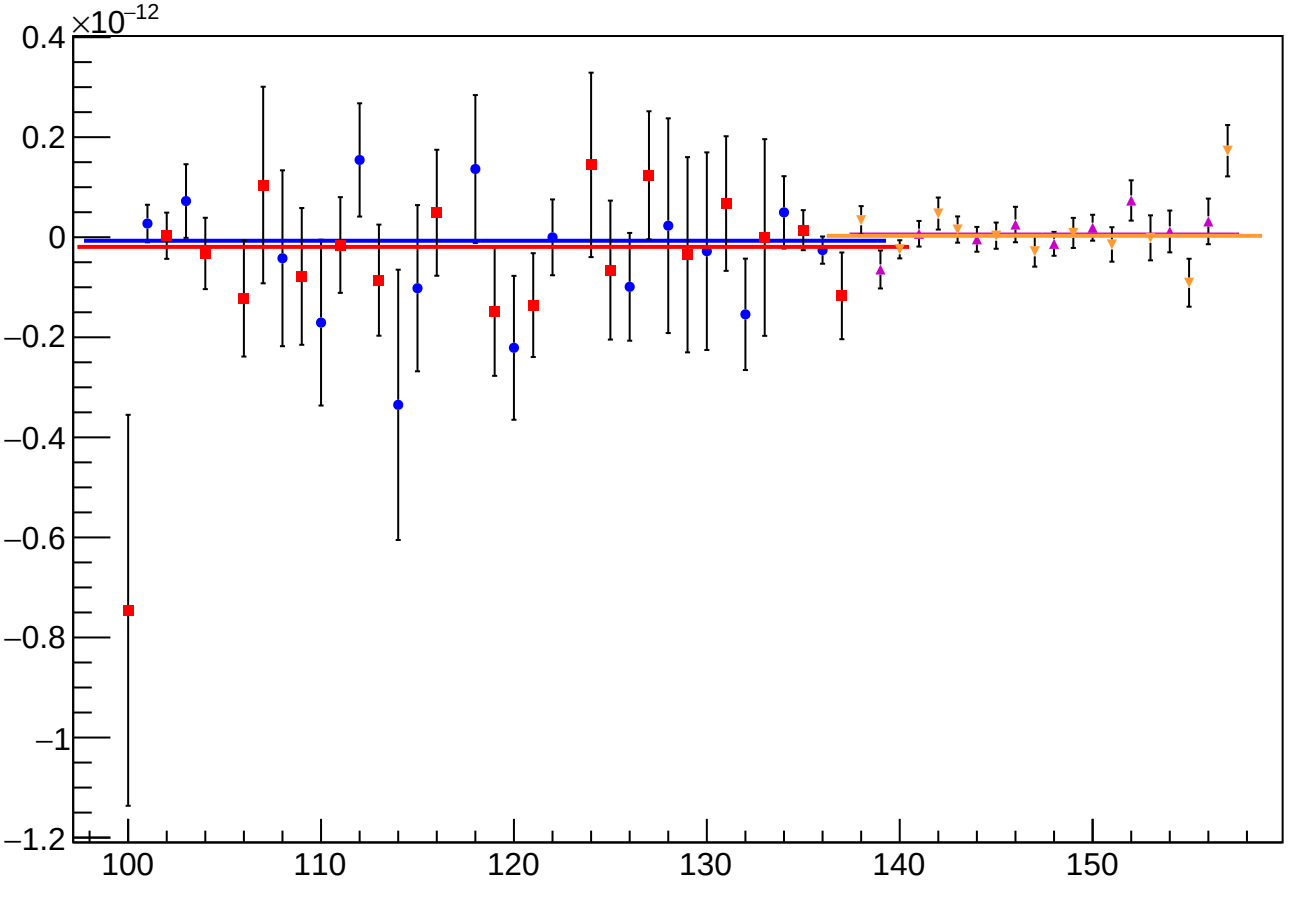
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.204+/-0.028 χ^2/NDF:191578.2/8

+ sign 112.942+/-0.021 χ^2/NDF: 727003.1/26

All: 111.544+/-0.014 χ^2/NDF: 1254458.6/54

- sign 110.175+/-0.020 χ^2/NDF: 518277.1/27



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/10

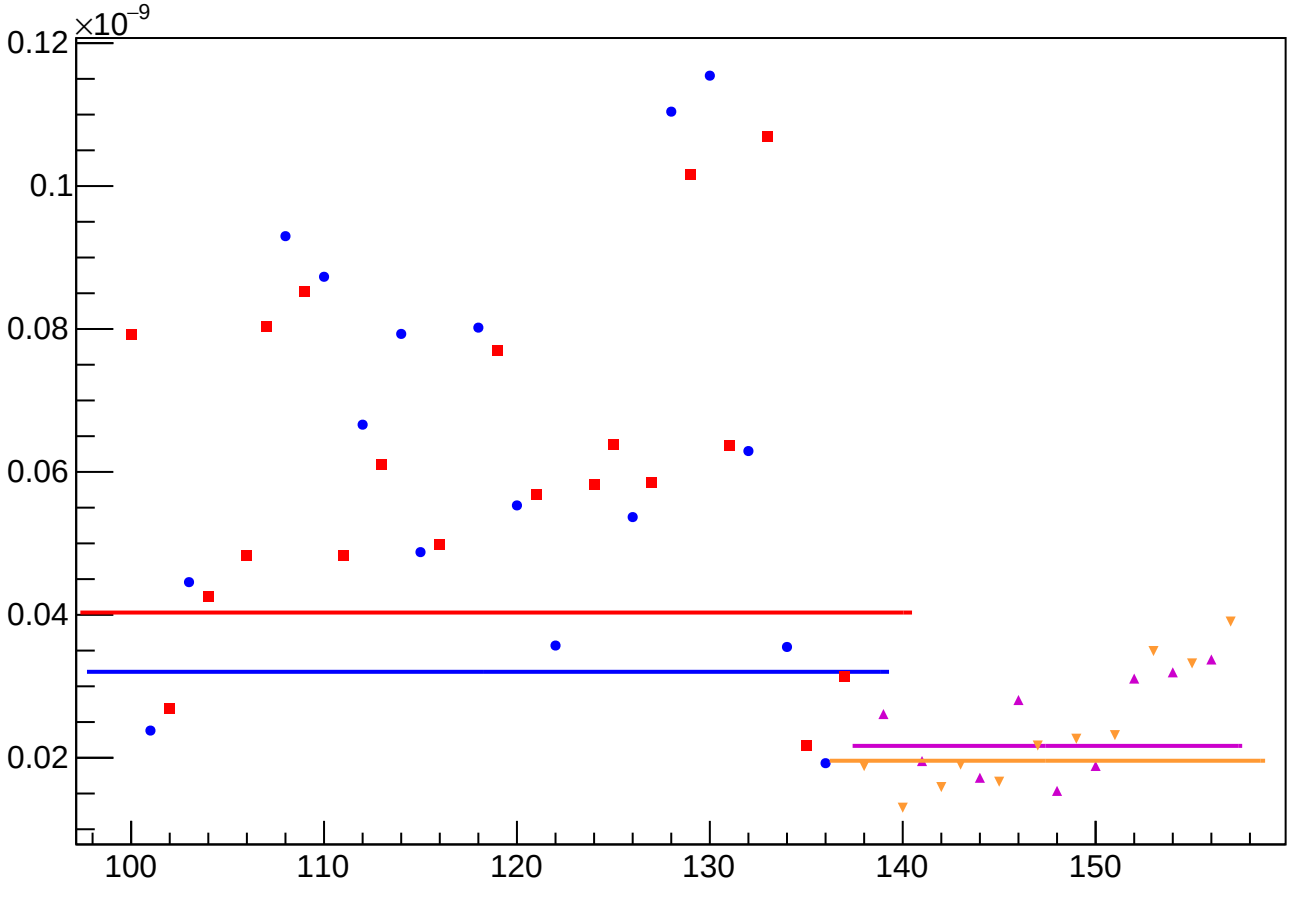
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/26

All: 0.000+/-0.000 χ^2/NDF: 57.2/54

- sign 0.000+/-0.000 χ^2/NDF: 21.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1051089.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

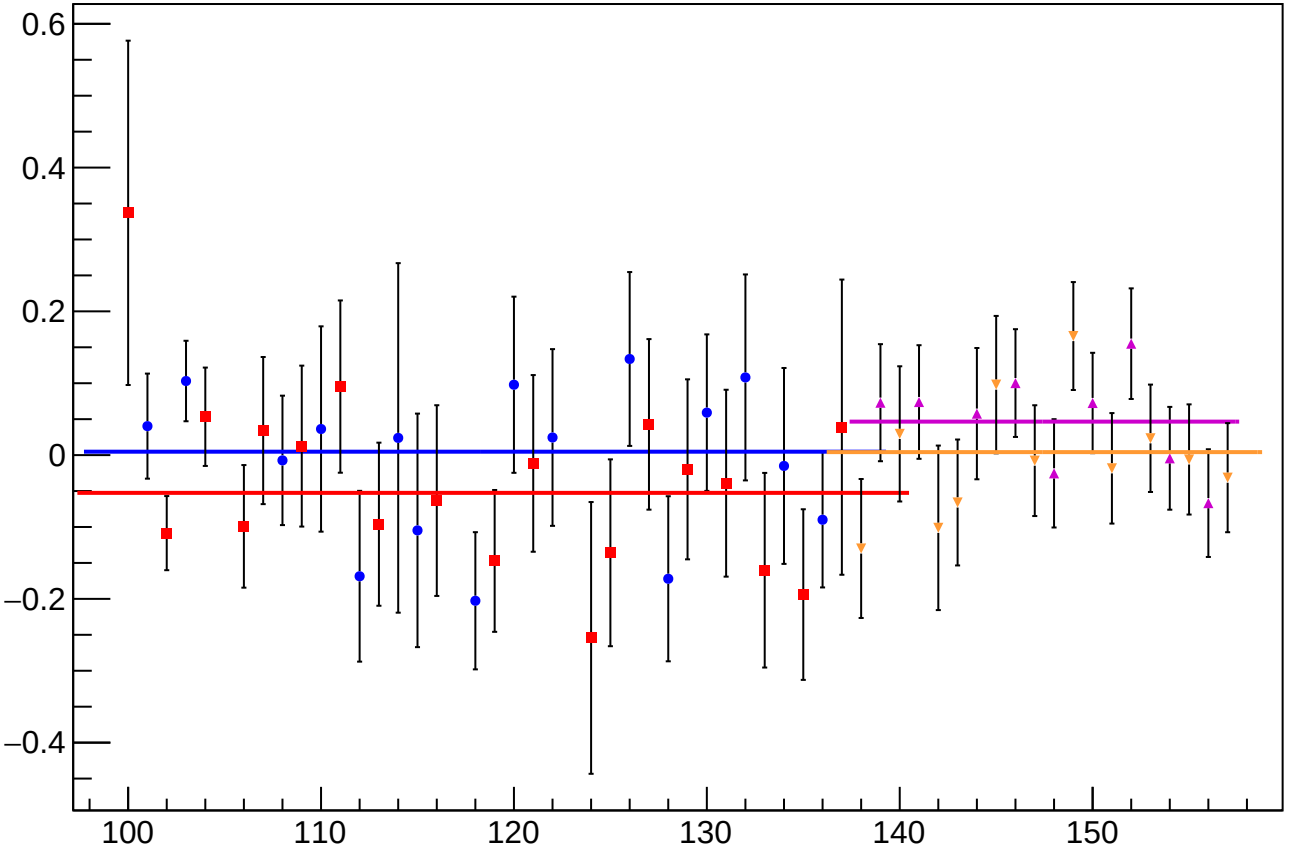
Left In: 0.000+/-0.000 χ^2/NDF:705391.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 4282650.2/26

All: 0.000+/-0.000 χ^2/NDF: 8251233.9/54

- sign 0.000+/-0.000 χ^2/NDF: 3835924.9/27

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.025 χ^2/NDF:9.5/10

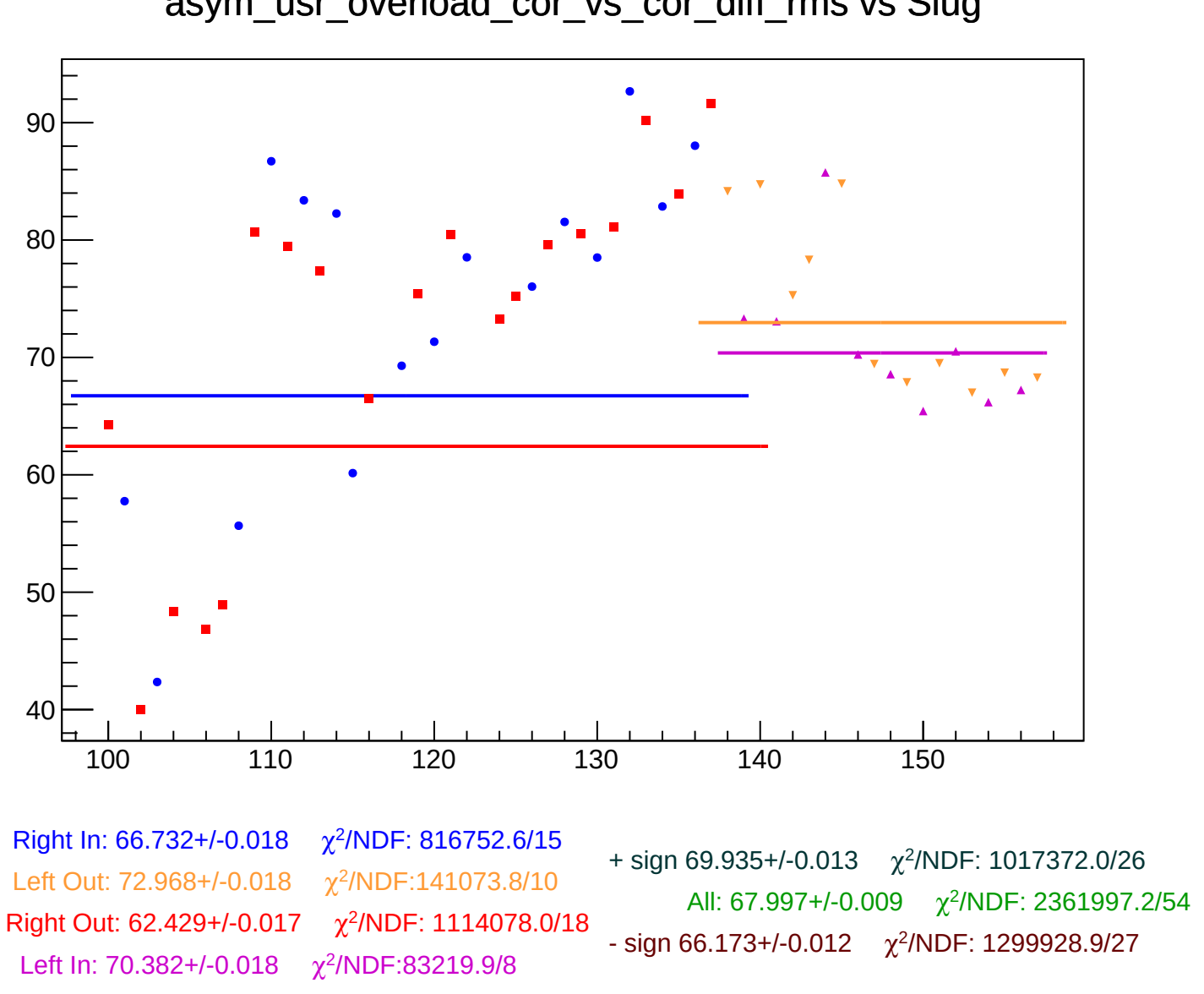
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

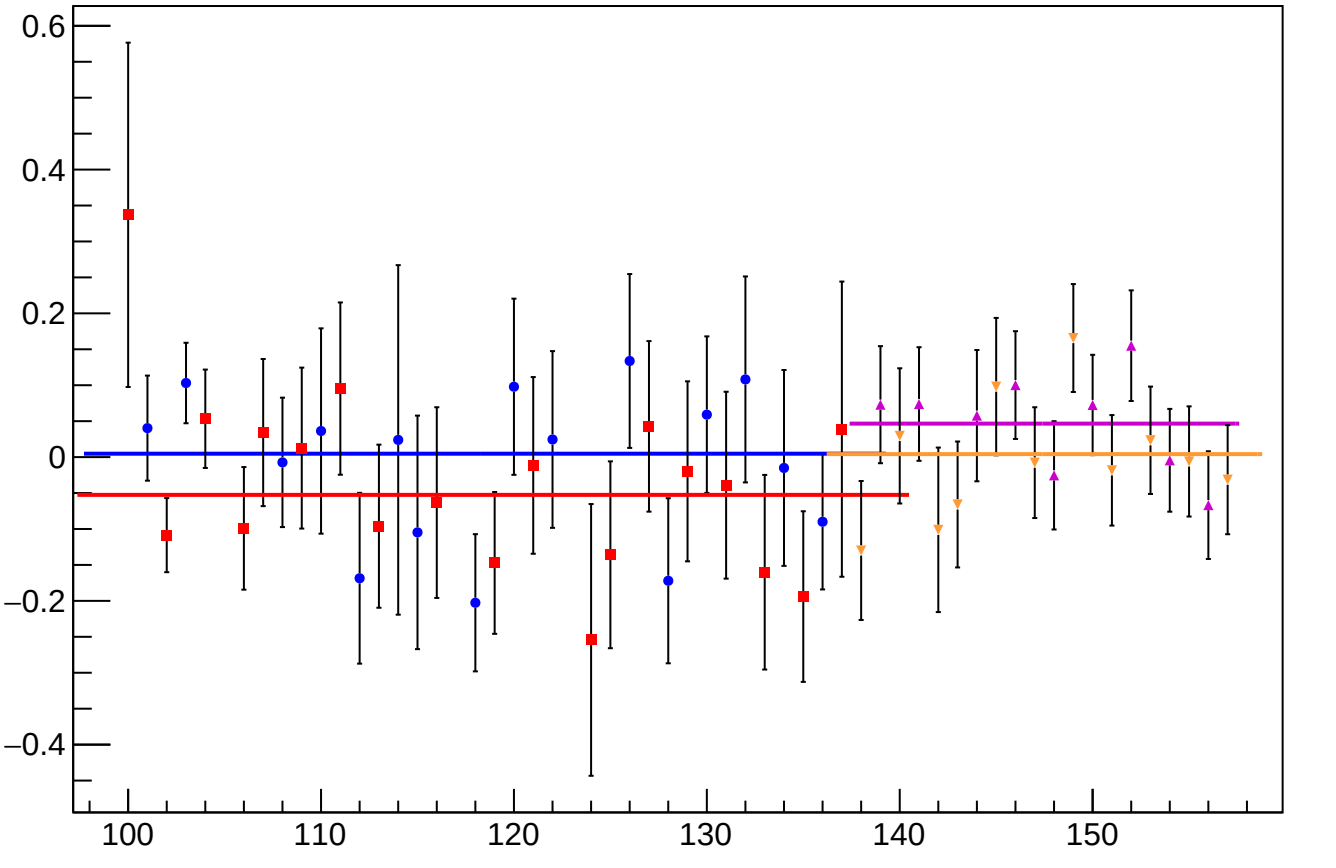
Left In: 0.047+/-0.026 χ^2/NDF:6.6/8

+ sign 0.004+/-0.018 χ^2/NDF: 26.1/26

All: -0.001+/-0.013 χ^2/NDF: 55.6/54

- sign -0.006+/-0.018 χ^2/NDF: 29.4/27


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.968+/-0.018 χ²/NDF:141073.8/10
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.382+/-0.018 χ²/NDF:83219.9/8
+ sign 69.935+/-0.013 χ²/NDF: 1017372.0/26
All: 67.997+/-0.009 χ²/NDF: 2361997.2/54
- sign 66.173+/-0.012 χ²/NDF: 1299928.9/27



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.025 χ^2/NDF:9.5/10

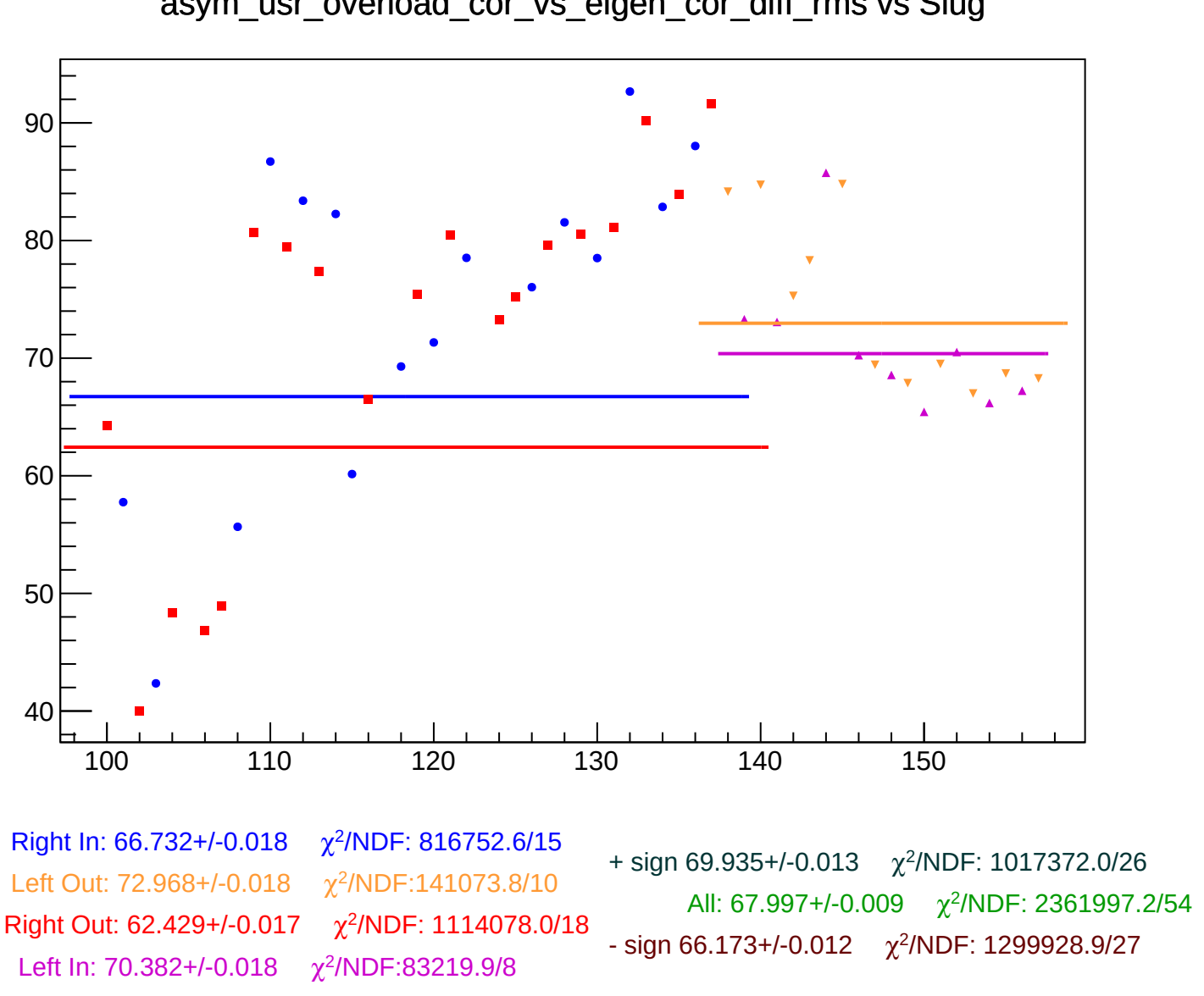
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.047+/-0.026 χ^2/NDF:6.6/8

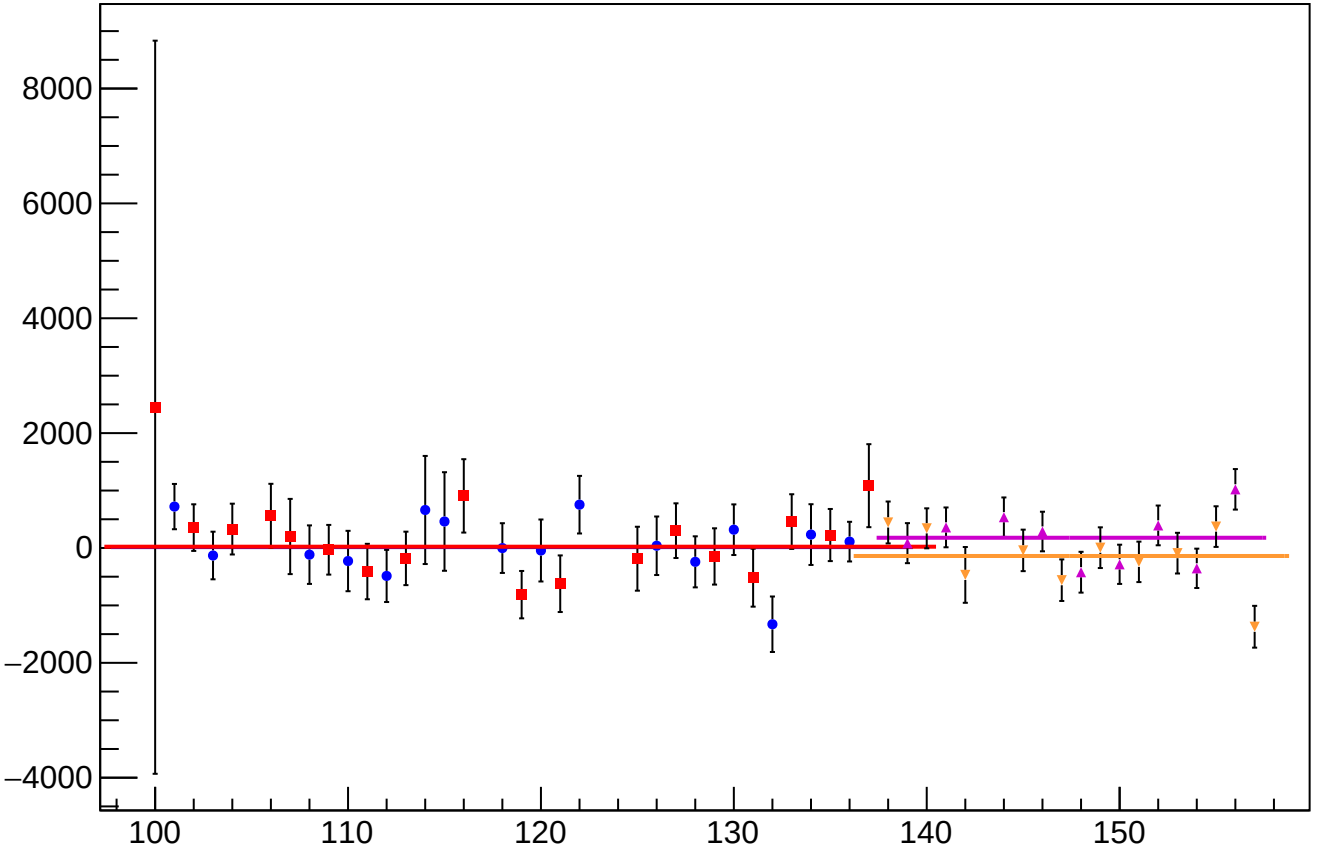
+ sign 0.004+/-0.018 χ^2/NDF: 26.1/26

All: -0.001+/-0.013 χ^2/NDF: 55.6/54

- sign -0.006+/-0.018 χ^2/NDF: 29.4/27


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.968+/-0.018 χ²/NDF:141073.8/10
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.382+/-0.018 χ²/NDF:83219.9/8
+ sign 69.935+/-0.013 χ²/NDF: 1017372.0/26
All: 67.997+/-0.009 χ²/NDF: 2361997.2/54
- sign 66.173+/-0.012 χ²/NDF: 1299928.9/27

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -139.442+/-115.595 χ^2/NDF:20.2/9

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

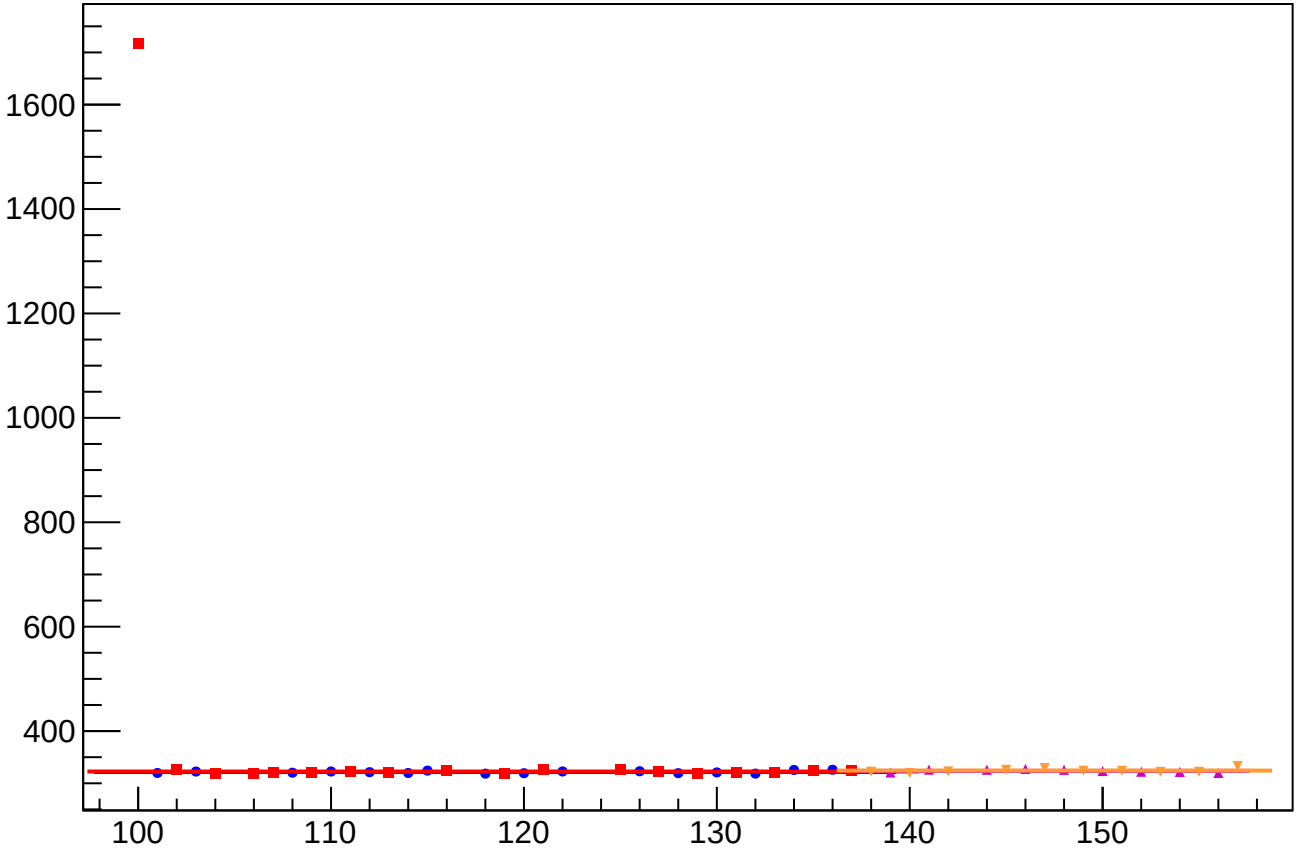
Left In: 177.976+/-115.596 χ^2/NDF:14.7/8

\+ sign -64.491+/-83.061 χ^2/NDF: 37.6/25

All: 19.058+/-58.707 χ^2/NDF: 71.2/52

\- sign 102.459+/-82.987 χ^2/NDF: 31.6/26

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 324.385+/-0.082 χ^2/NDF:2111.4/9

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

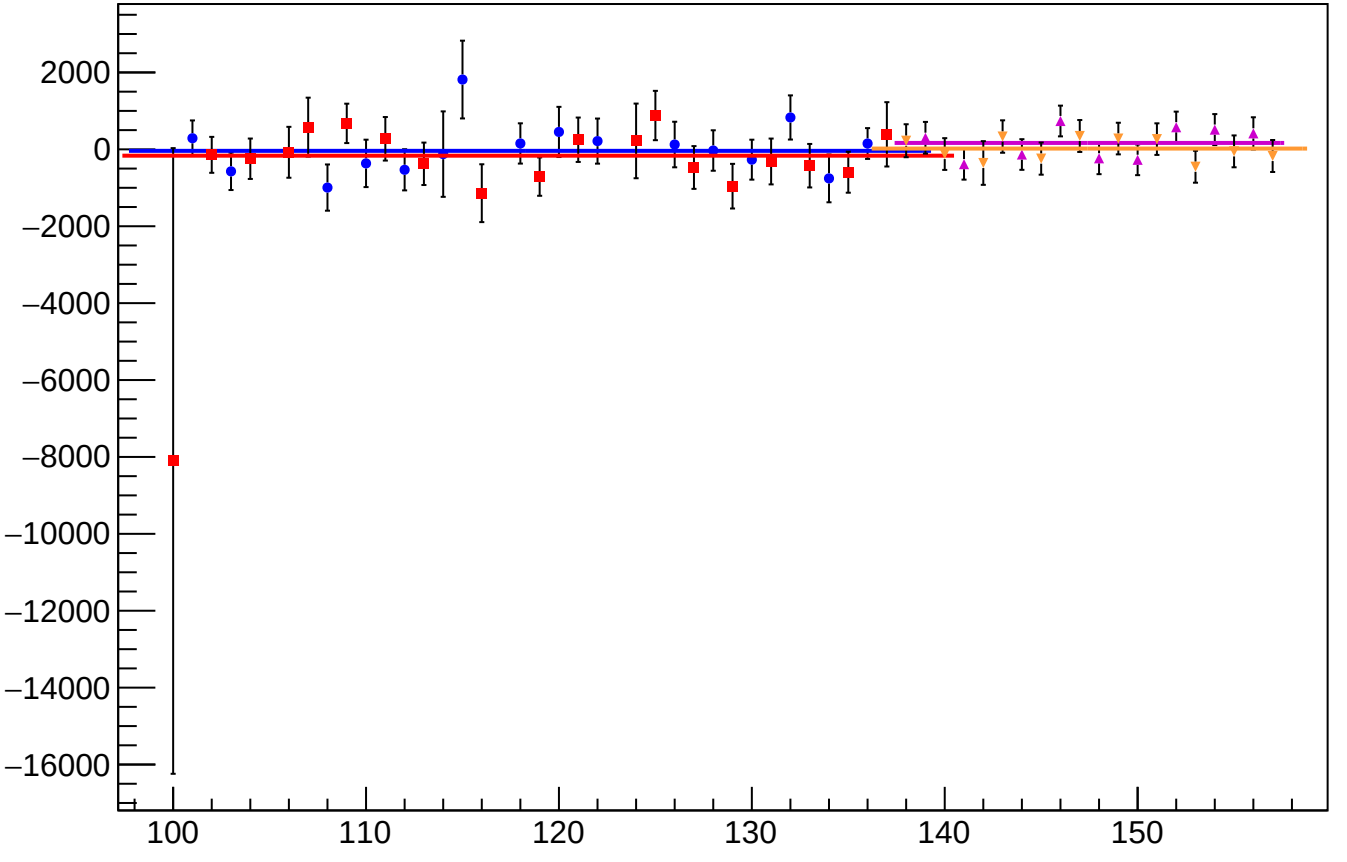
Left In: 323.713+/-0.082 χ^2/NDF:984.3/8

+ sign 323.040+/-0.059 χ^2/NDF: 3494.3/25

All: 323.095+/-0.042 χ^2/NDF: 101469.9/52

- sign 323.151+/-0.059 χ^2/NDF: 97973.8/26

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 20.096+/-128.268 χ^2/NDF:4.6/10

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

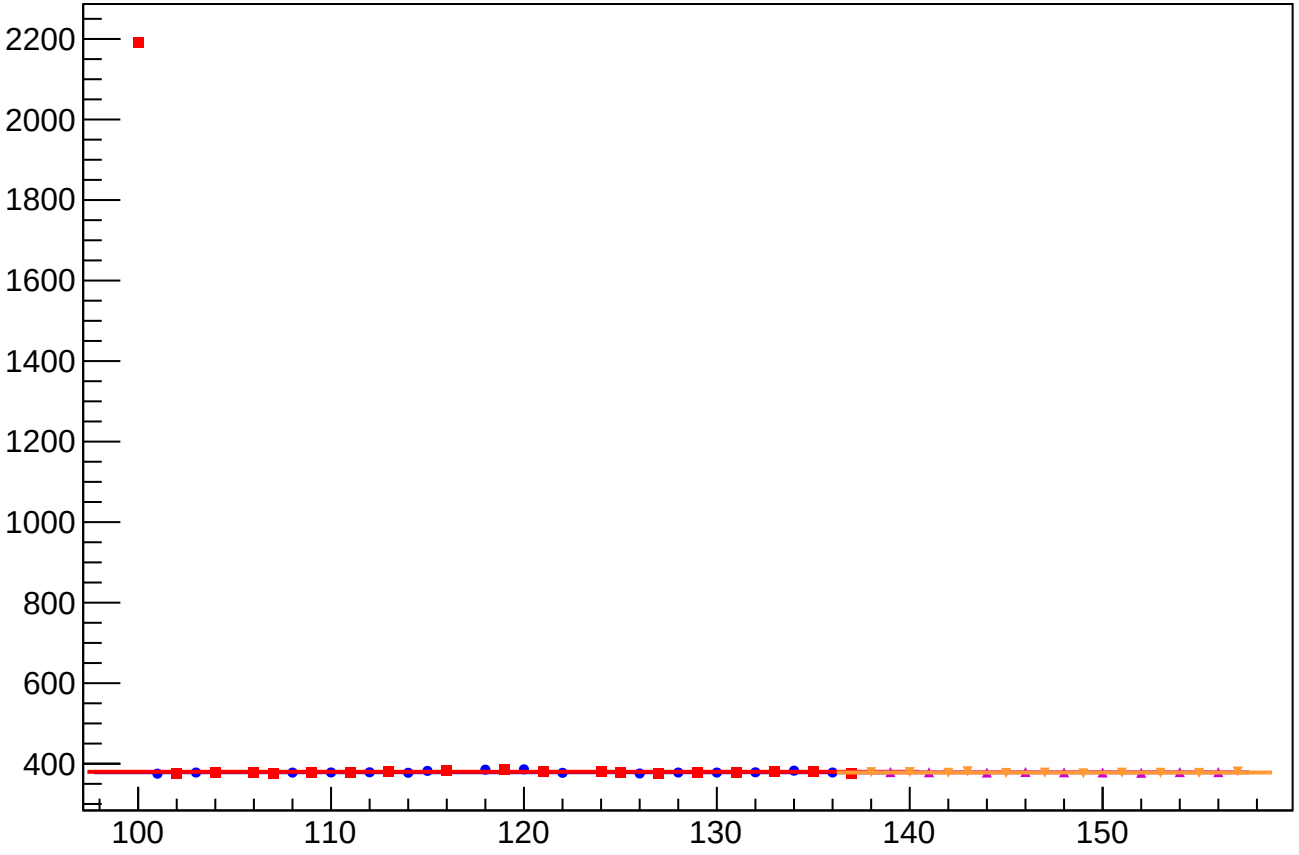
Left In: 166.785+/-135.252 χ^2/NDF:8.8/8

+ sign -6.683+/-94.796 χ^2/NDF: 18.5/26

All: -0.699+/-67.770 χ^2/NDF: 45.3/54

- sign 5.556+/-96.923 χ^2/NDF: 26.9/27

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.158+/-0.091 χ^2/NDF:281.7/10

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

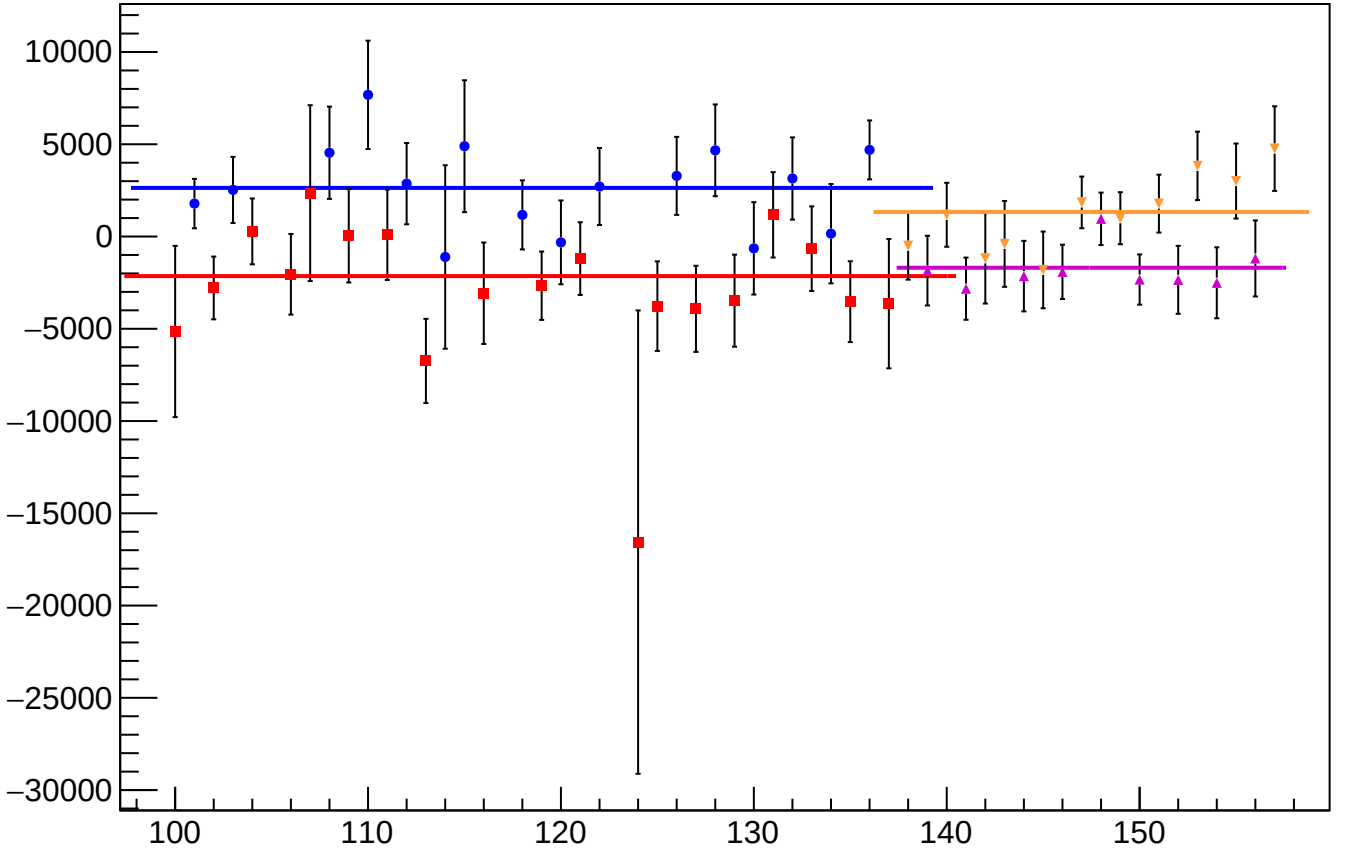
Left In: 378.748+/-0.096 χ^2/NDF:40.0/8

+ sign 378.499+/-0.067 χ^2/NDF: 1164.1/26

All: 378.890+/-0.048 χ^2/NDF: 100962.7/54

- sign 379.298+/-0.069 χ^2/NDF: 99729.3/27

asym_us_agg_avg_mean vs Slug



Right In: 2635.397+/-538.034 χ^2/NDF: 12.3/15

Left Out: 1332.152+/-546.108 χ^2/NDF:9.9/10

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

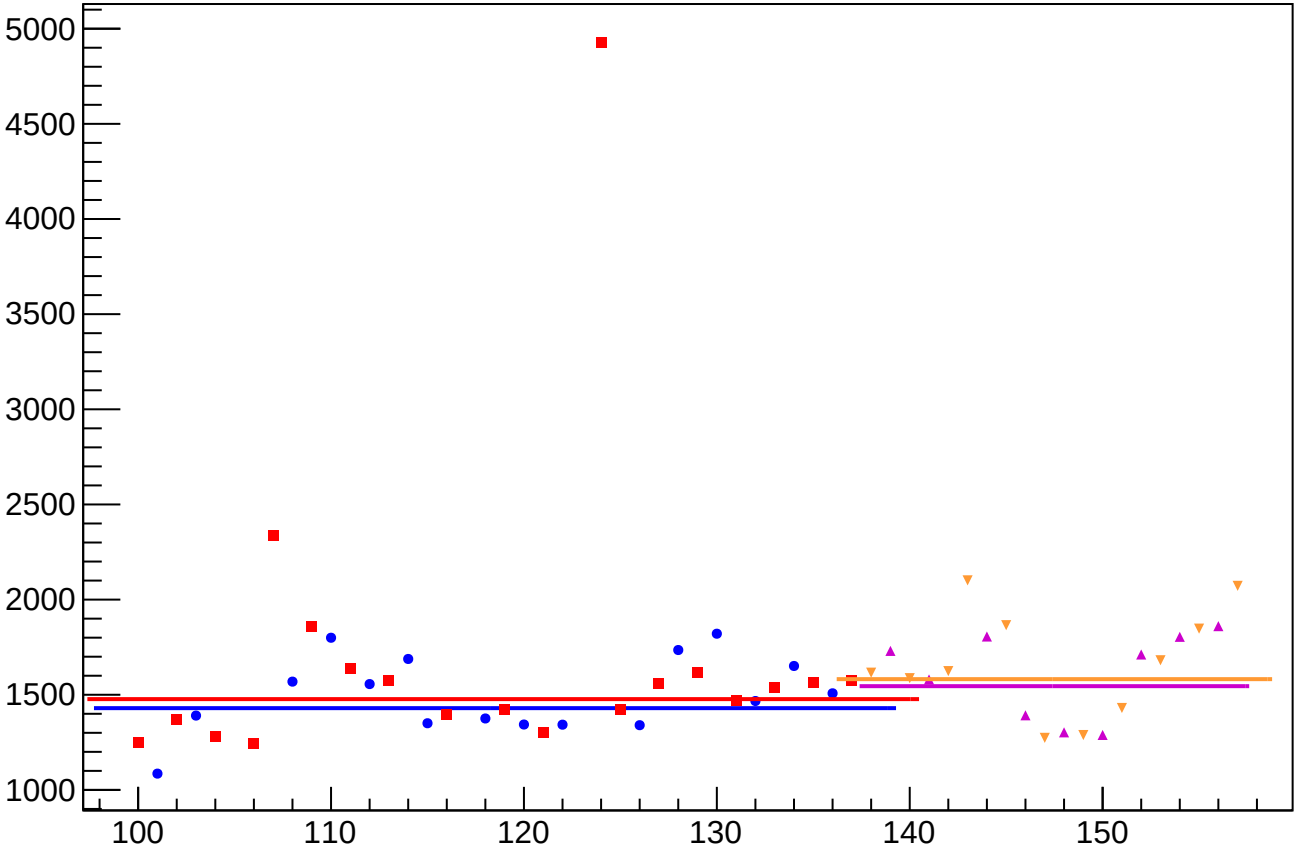
Left In: -1691.354+/-558.593 χ^2/NDF:4.6/8

+ sign 1993.479+/-383.270 χ^2/NDF: 25.0/26

All: 73.508+/-273.639 χ^2/NDF: 96.2/54

- sign -1922.728+/-390.808 χ^2/NDF: 20.0/27

asym_us_agg_avg_rms vs Slug



Right In: 1429.654+/-0.380 χ^2/NDF: 293388.5/15

Left Out: 1582.055+/-0.386 χ^2/NDF:471709.7/10

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

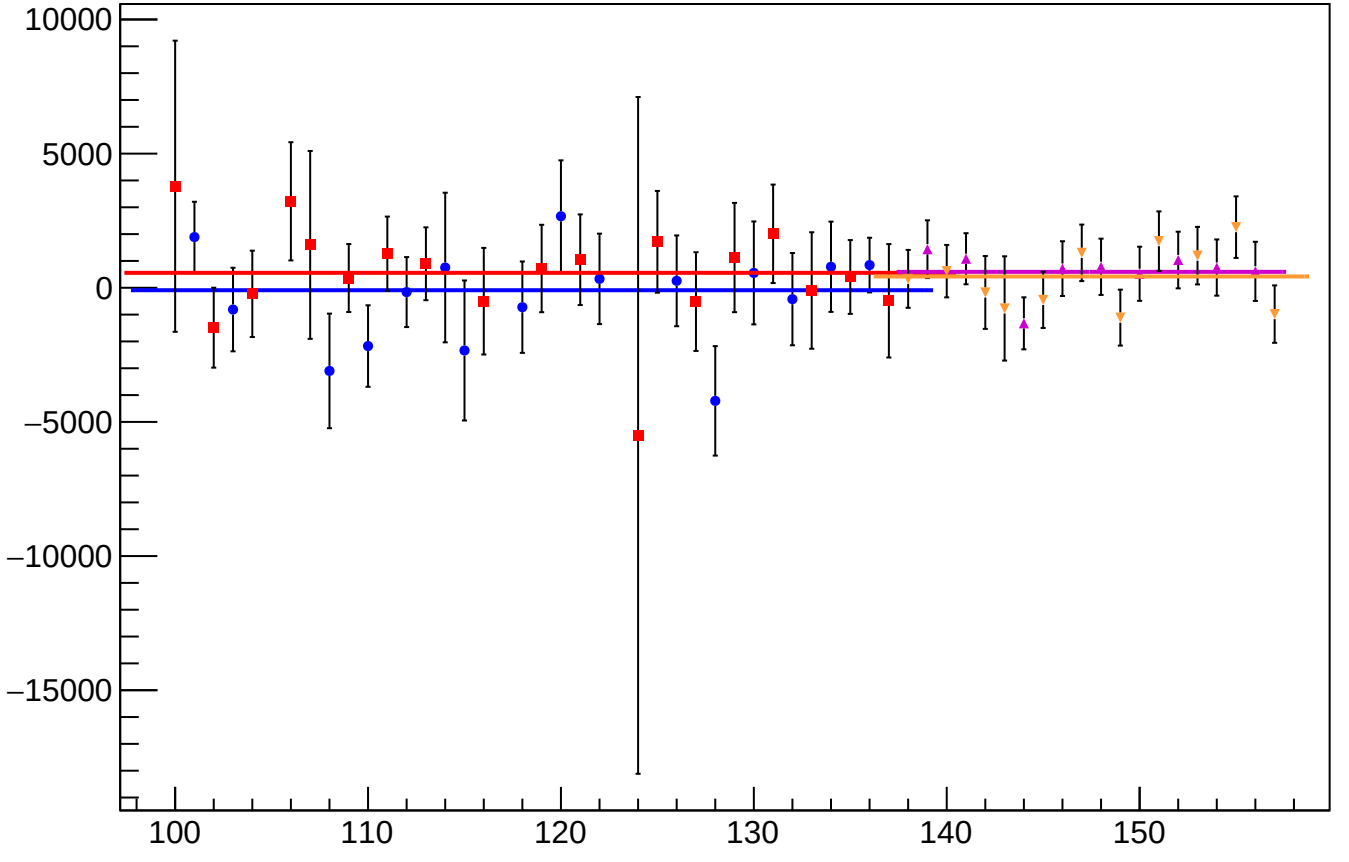
Left In: 1545.165+/-0.395 χ^2/NDF:307844.8/8

+ sign 1504.719+/-0.271 χ^2/NDF: 844136.7/26

All: 1507.519+/-0.193 χ^2/NDF: 1536778.4/54

- sign 1510.430+/-0.276 χ^2/NDF: 692424.0/27

asym_us_agg_dd_mean vs Slug



Right In: -91.305+/-409.957 χ^2/NDF: 14.5/15

Left Out: 421.054+/-337.885 χ^2/NDF:10.4/10

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

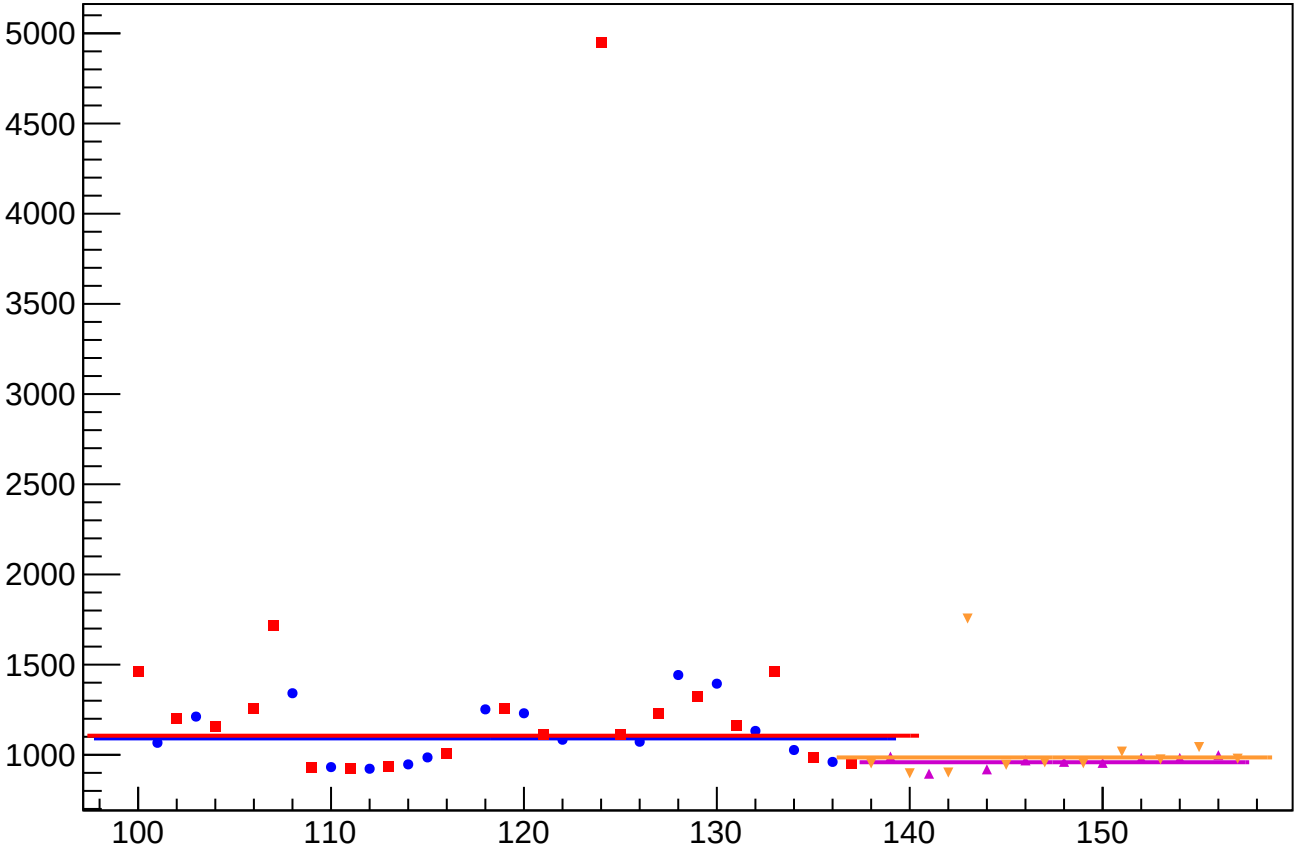
Left In: 593.346+/-342.716 χ^2/NDF:5.0/8

\+ sign 213.798+/-260.738 χ^2/NDF: 25.9/26

All: 394.308+/-185.270 χ^2/NDF: 38.6/54

\- sign 578.388+/-263.304 χ^2/NDF: 11.8/27

asym_us_agg_dd_rms vs Slug



Right In: 1091.041+/-0.290 χ^2/NDF: 277304.9/15

Left Out: 985.570+/-0.239 χ^2/NDF:353076.6/10

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

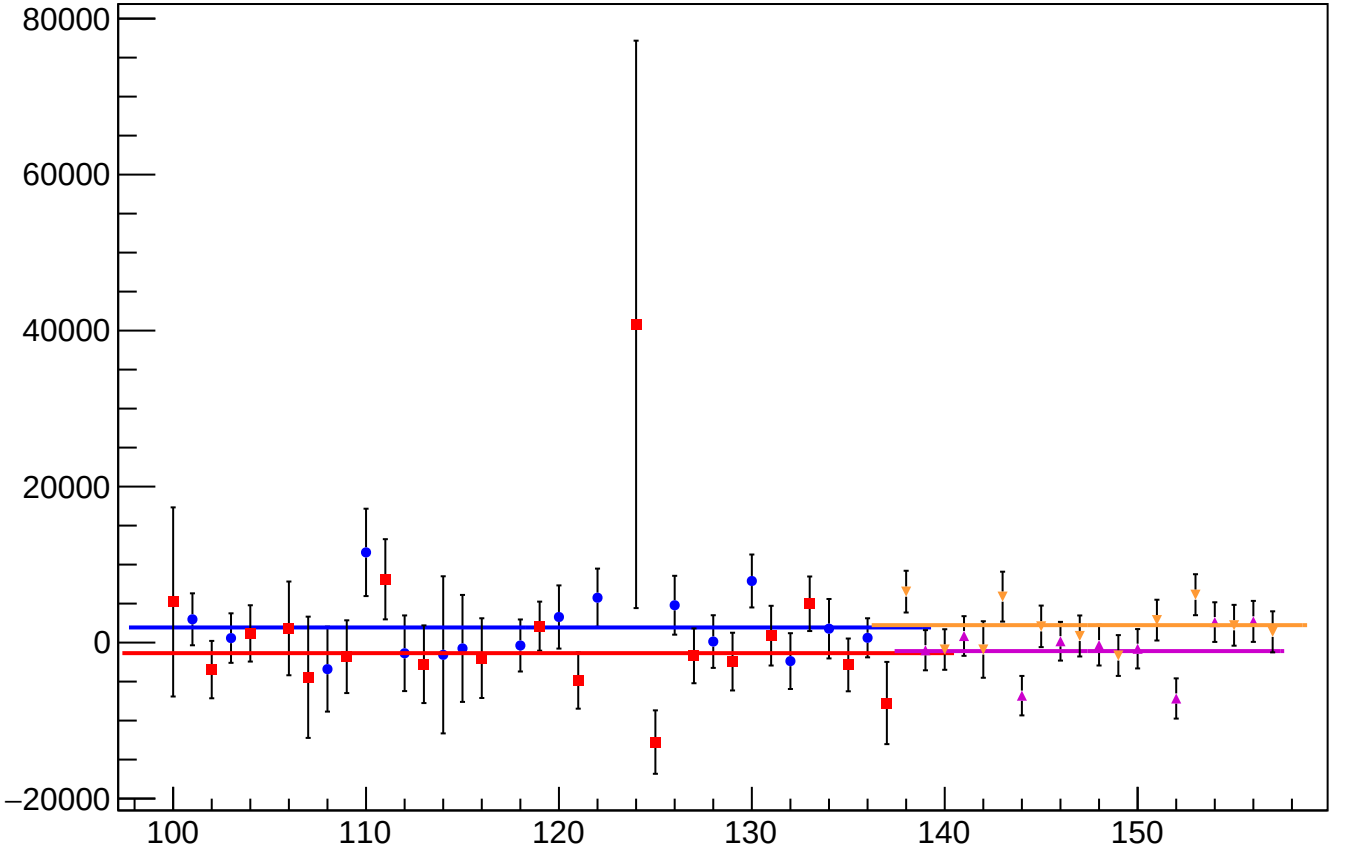
Left In: 958.903+/-0.242 χ^2/NDF:18718.3/8

+ sign 1028.235+/-0.184 χ^2/NDF: 709211.2/26

All: 1023.758+/-0.131 χ^2/NDF: 1394275.0/54

- sign 1019.193+/-0.186 χ^2/NDF: 683873.1/27

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.726+/-823.374 χ^2/NDF:10.9/10

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

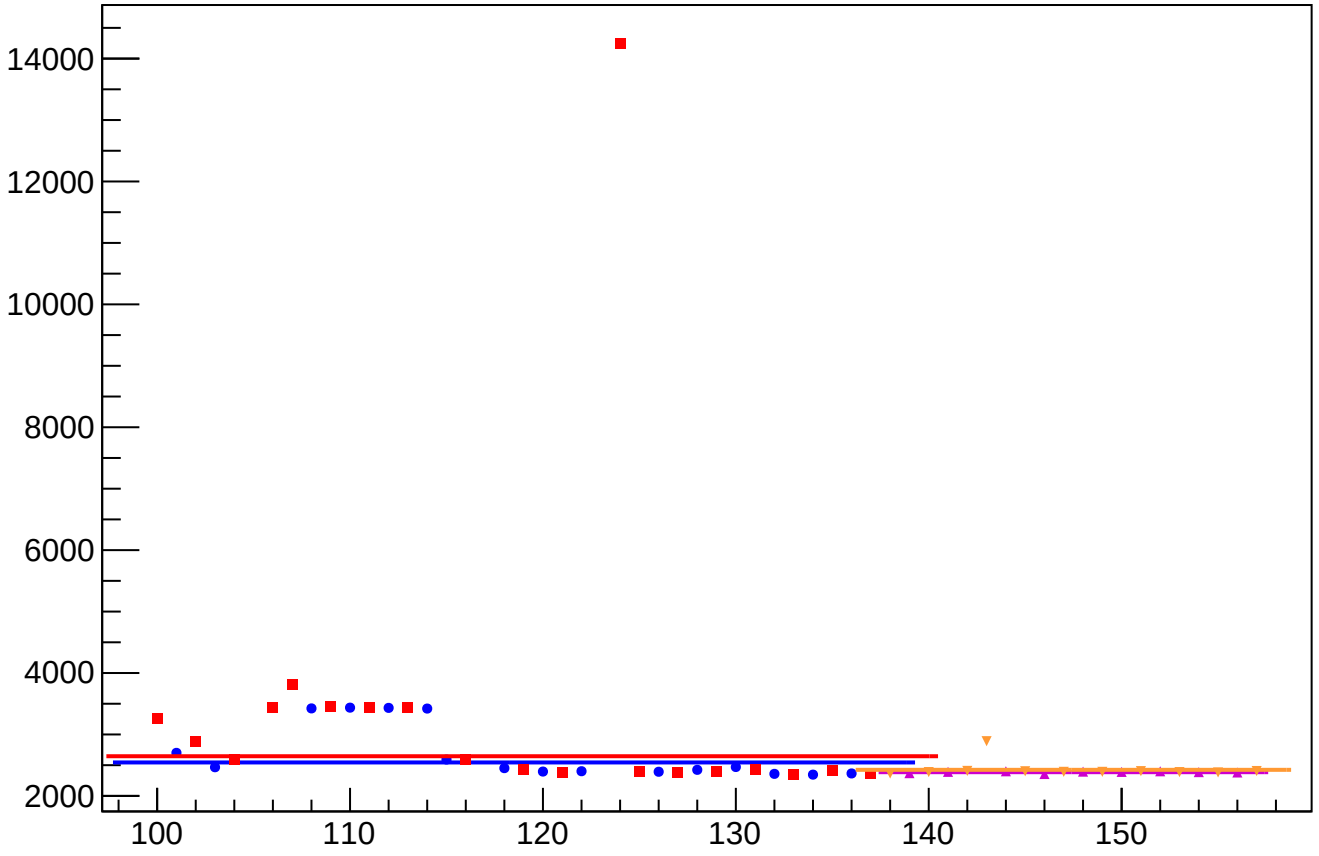
Left In: -1090.072+/-852.025 χ^2/NDF:15.8/8

+ sign 2108.539+/-622.913 χ^2/NDF: 23.2/26

All: 509.090+/-447.880 χ^2/NDF: 74.6/54

- sign -1202.771+/-644.431 χ^2/NDF: 37.7/27

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

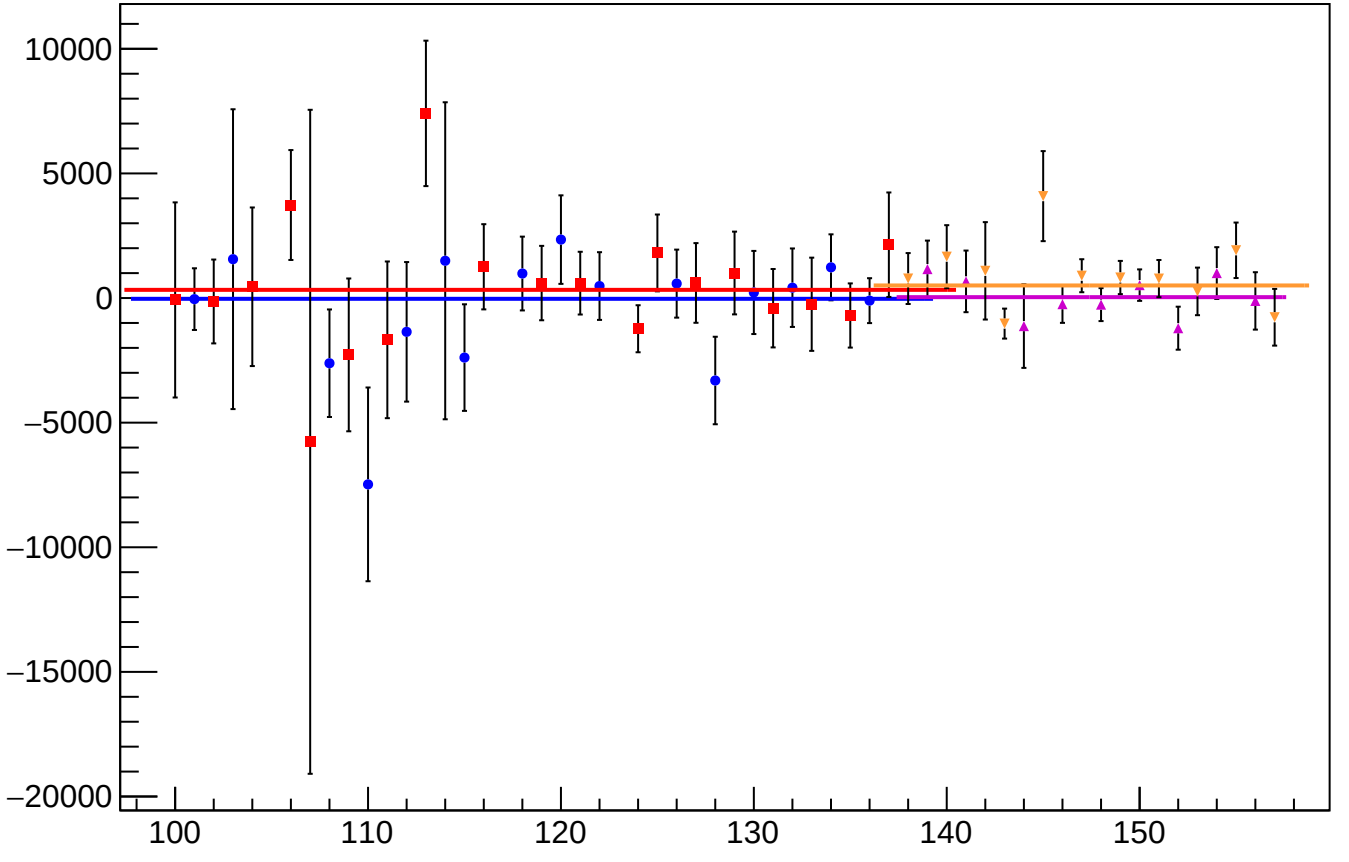
Left In: 2386.030+/-0.602 χ^2/NDF:537.9/8

\+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2486.033+/-0.317 χ^2/NDF: 907778.4/54

\- sign 2497.129+/-0.456 χ^2/NDF: 616965.9/27

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 504.879+/-268.046 χ^2/NDF:15.0/10

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

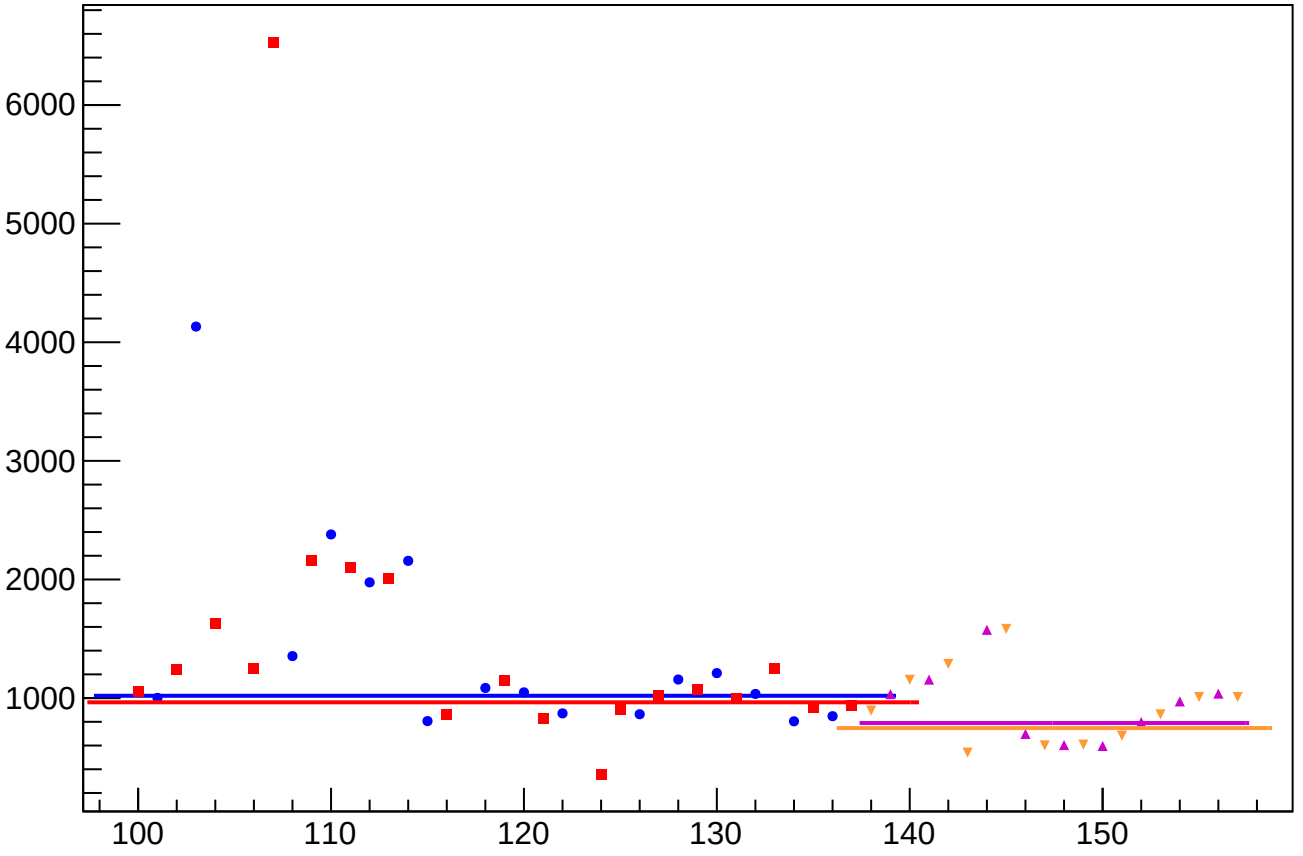
Left In: 35.509+/-296.554 χ^2/NDF:5.6/8

+ sign 341.995+/-223.646 χ^2/NDF: 30.0/26

All: 247.194+/-162.955 χ^2/NDF: 52.0/54

- sign 139.904+/-237.921 χ^2/NDF: 21.6/27

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 747.156+/-0.190 χ^2/NDF:1514102.7/10

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

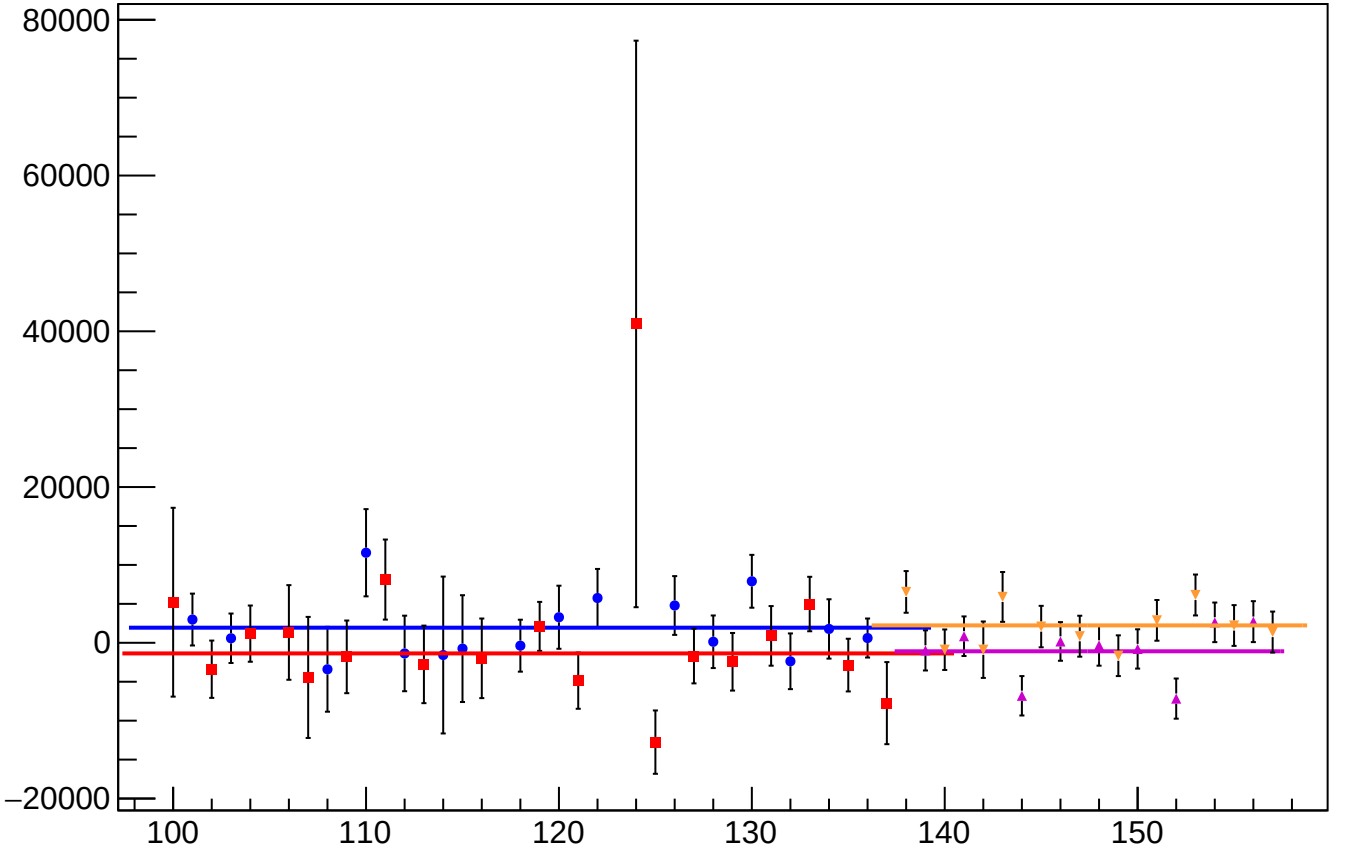
Left In: 789.779+/-0.210 χ^2/NDF:1235141.5/8

+ sign 829.914+/-0.158 χ^2/NDF: 3506296.2/26

All: 840.272+/-0.115 χ^2/NDF: 7306984.6/54

- sign 851.996+/-0.168 χ^2/NDF: 3791542.0/27

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

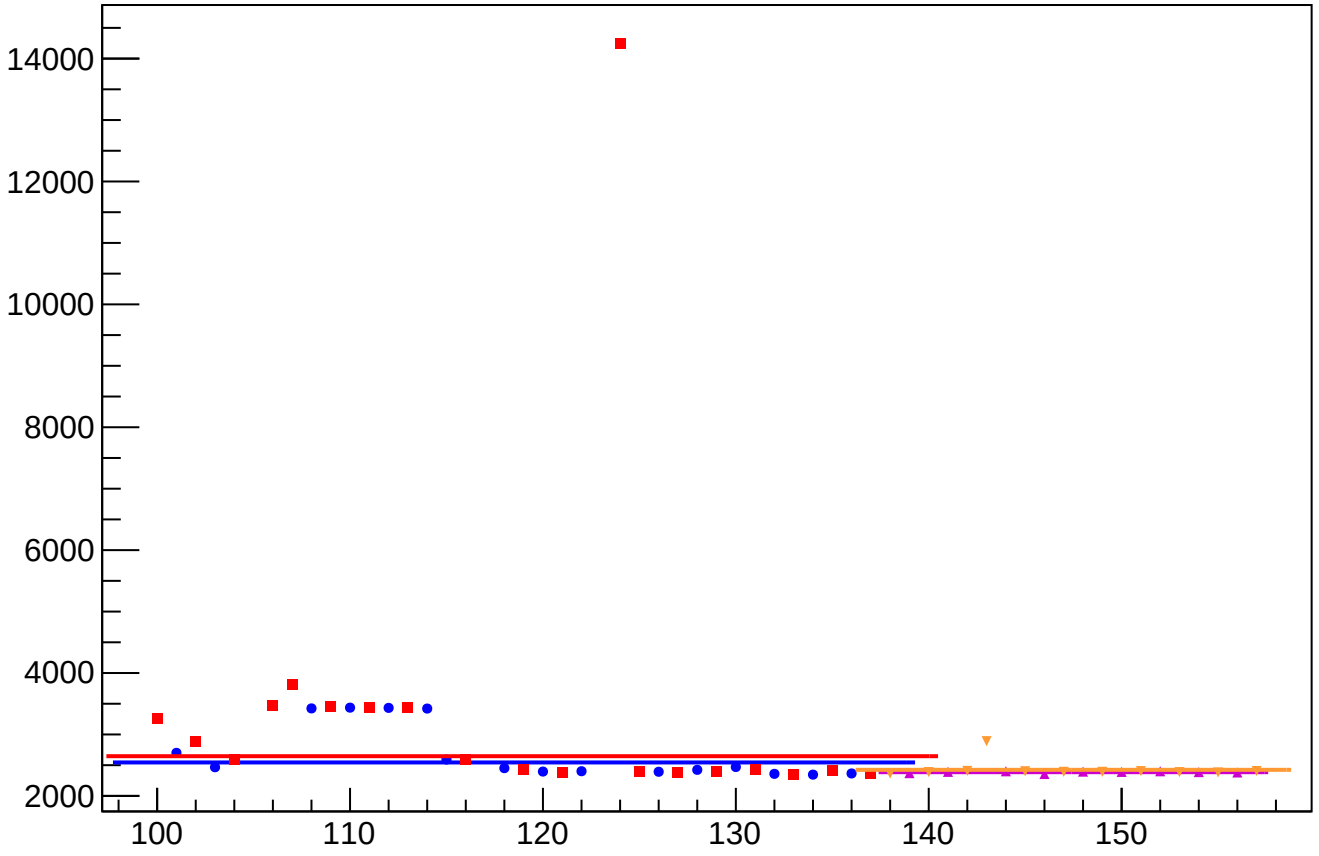
Left In: -1090.284+/-852.025 χ^2/NDF:15.8/8

+ sign 2108.612+/-622.913 χ^2/NDF: 23.2/26

All: 507.308+/-447.908 χ^2/NDF: 74.5/54

- sign -1206.985+/-644.515 χ^2/NDF: 37.6/27

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

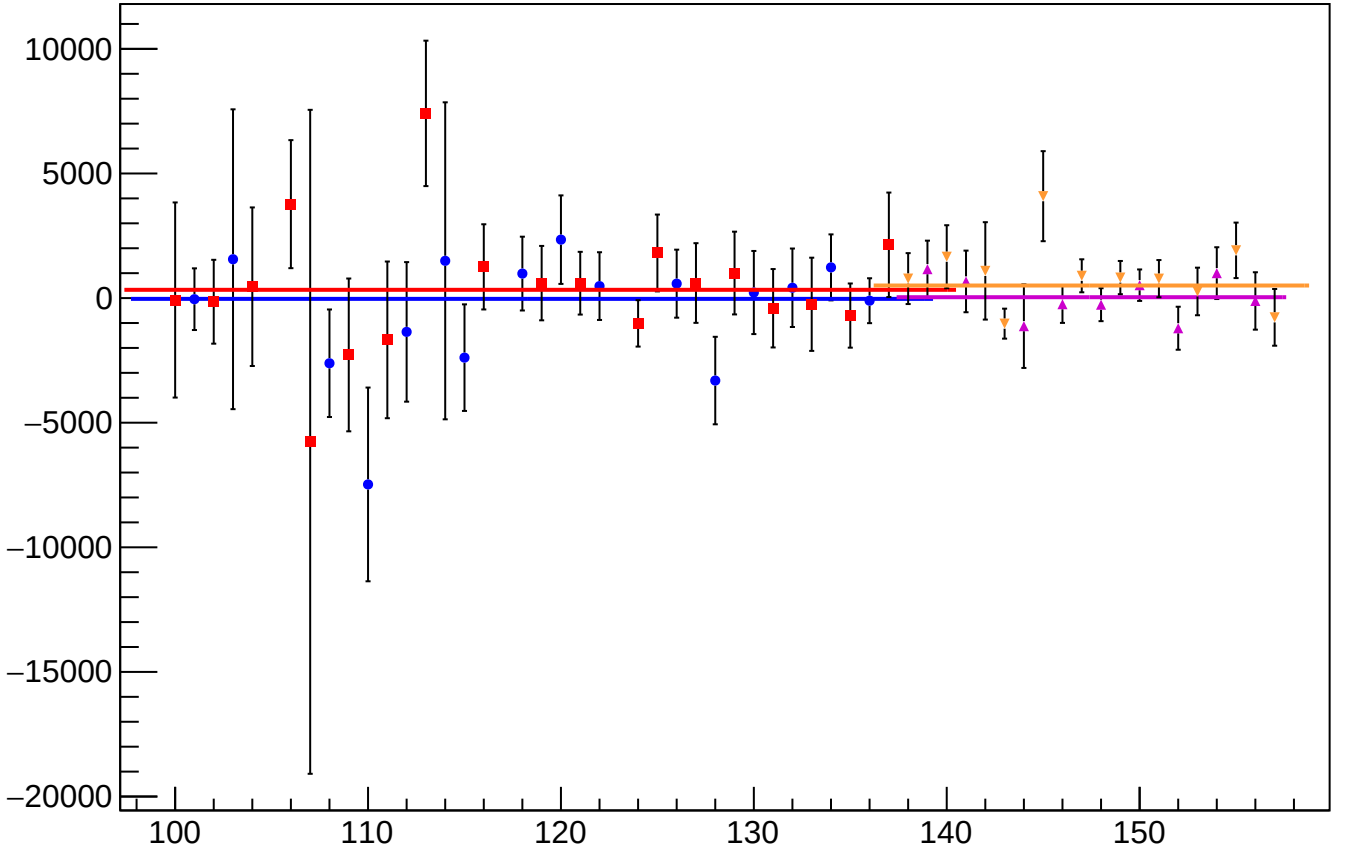
Left In: 2386.030+/-0.602 χ^2/NDF:537.9/8

+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2486.128+/-0.317 χ^2/NDF: 910694.2/54

- sign 2497.328+/-0.456 χ^2/NDF: 619860.5/27

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

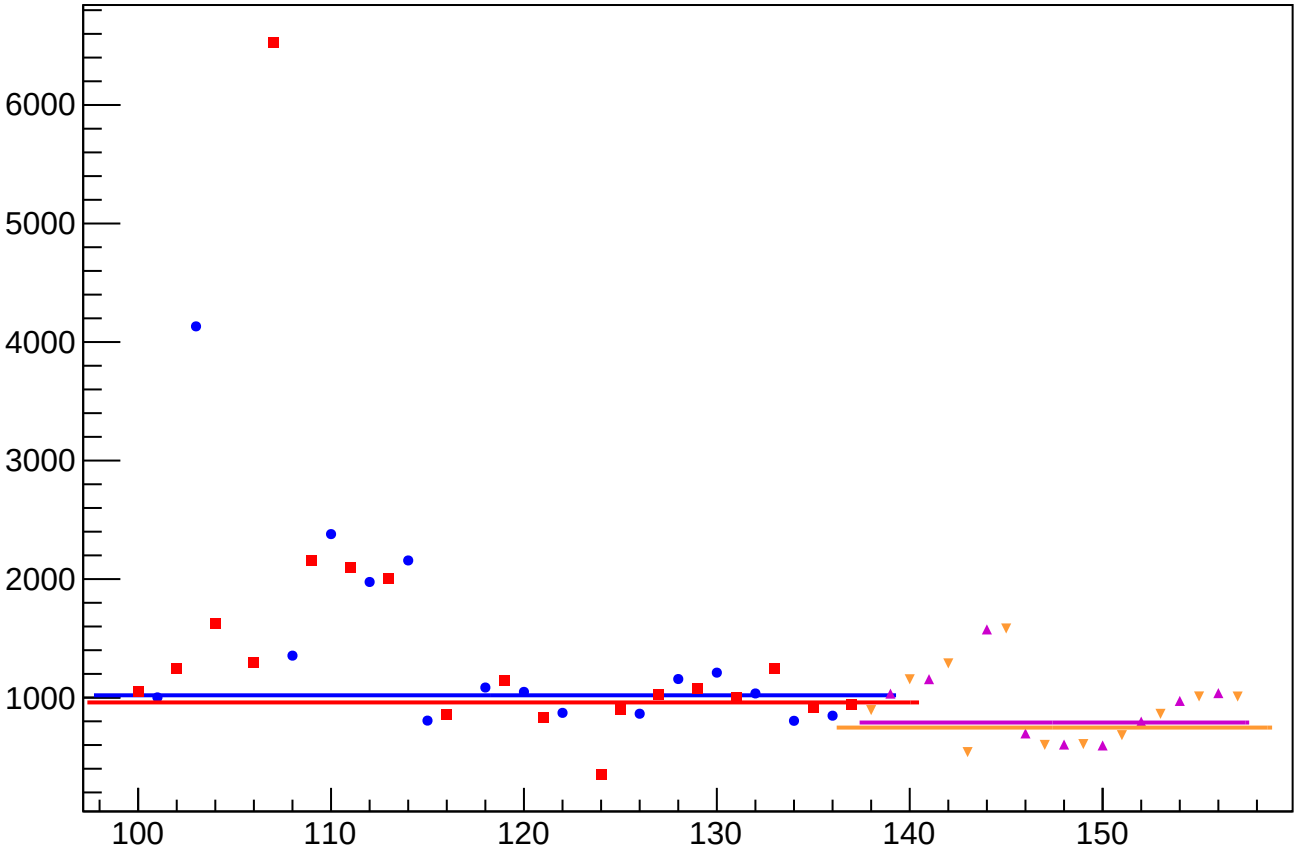
Left In: 35.412+/-296.553 χ^2/NDF:5.6/8

+ sign 341.858+/-223.648 χ^2/NDF: 30.0/26

All: 247.619+/-163.007 χ^2/NDF: 50.8/54

- sign 140.822+/-238.083 χ^2/NDF: 20.4/27

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

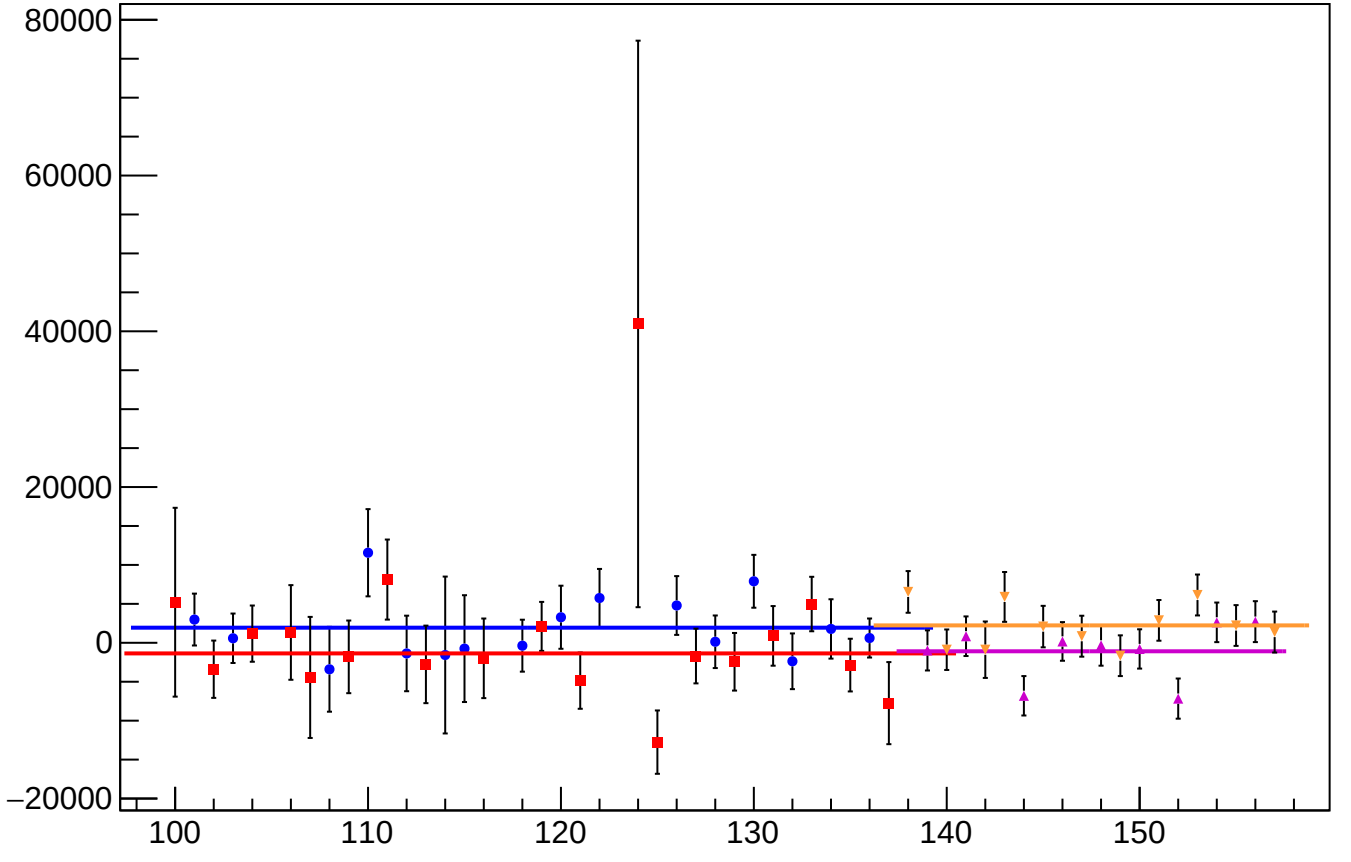
Left In: 789.773+/-0.210 χ^2/NDF:1235235.9/8

\+ sign 829.924+/-0.158 χ^2/NDF: 3506171.2/26

All: 839.358+/-0.115 χ^2/NDF: 7325873.1/54

\- sign 850.048+/-0.168 χ^2/NDF: 3812110.9/27

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2234.593+/-823.374 χ^2/NDF:10.9/10

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

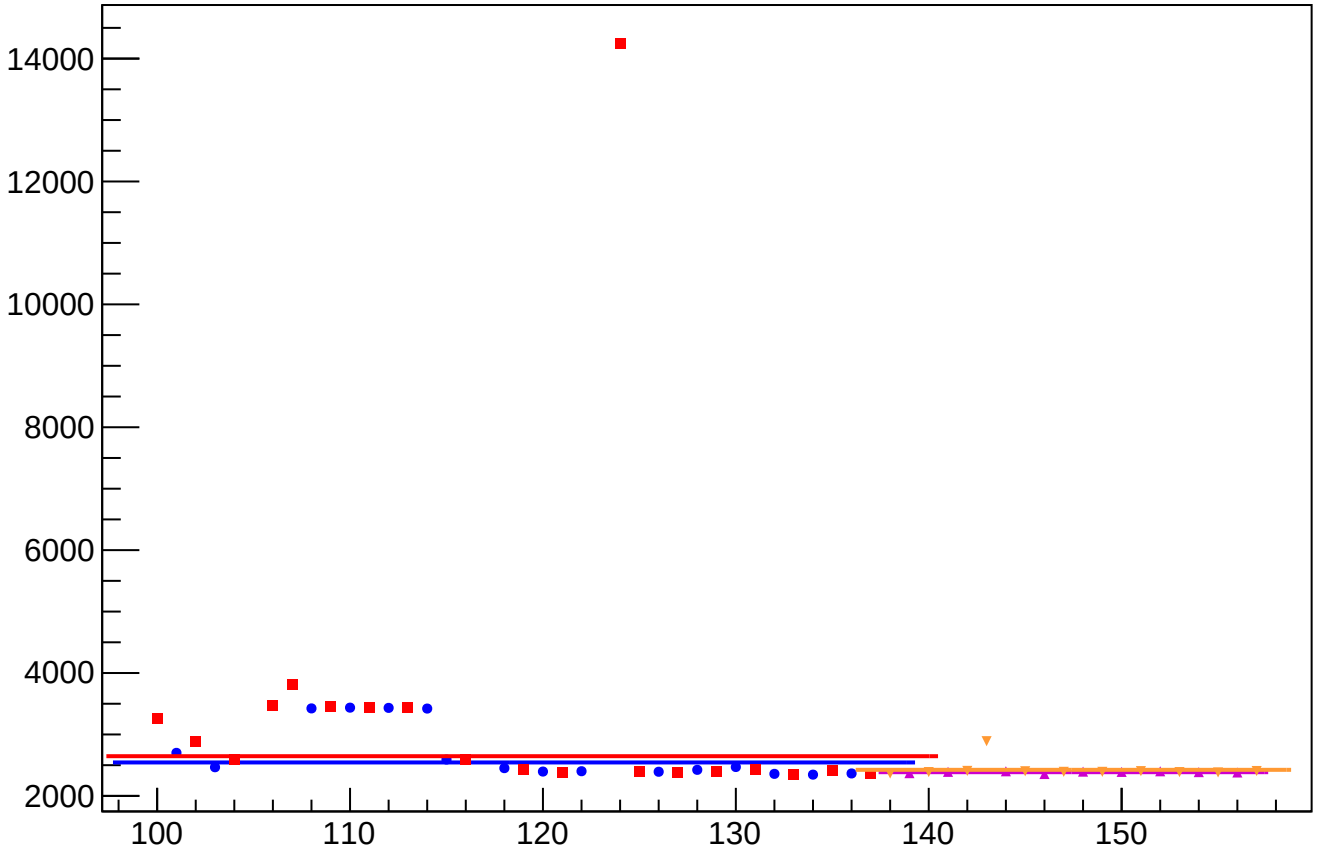
Left In: -1090.284+/-852.025 χ^2/NDF:15.8/8

+ sign 2108.612+/-622.913 χ^2/NDF: 23.2/26

All: 507.308+/-447.908 χ^2/NDF: 74.5/54

- sign -1206.985+/-644.515 χ^2/NDF: 37.6/27

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2424.296+/-0.582 χ^2/NDF:45848.1/10

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

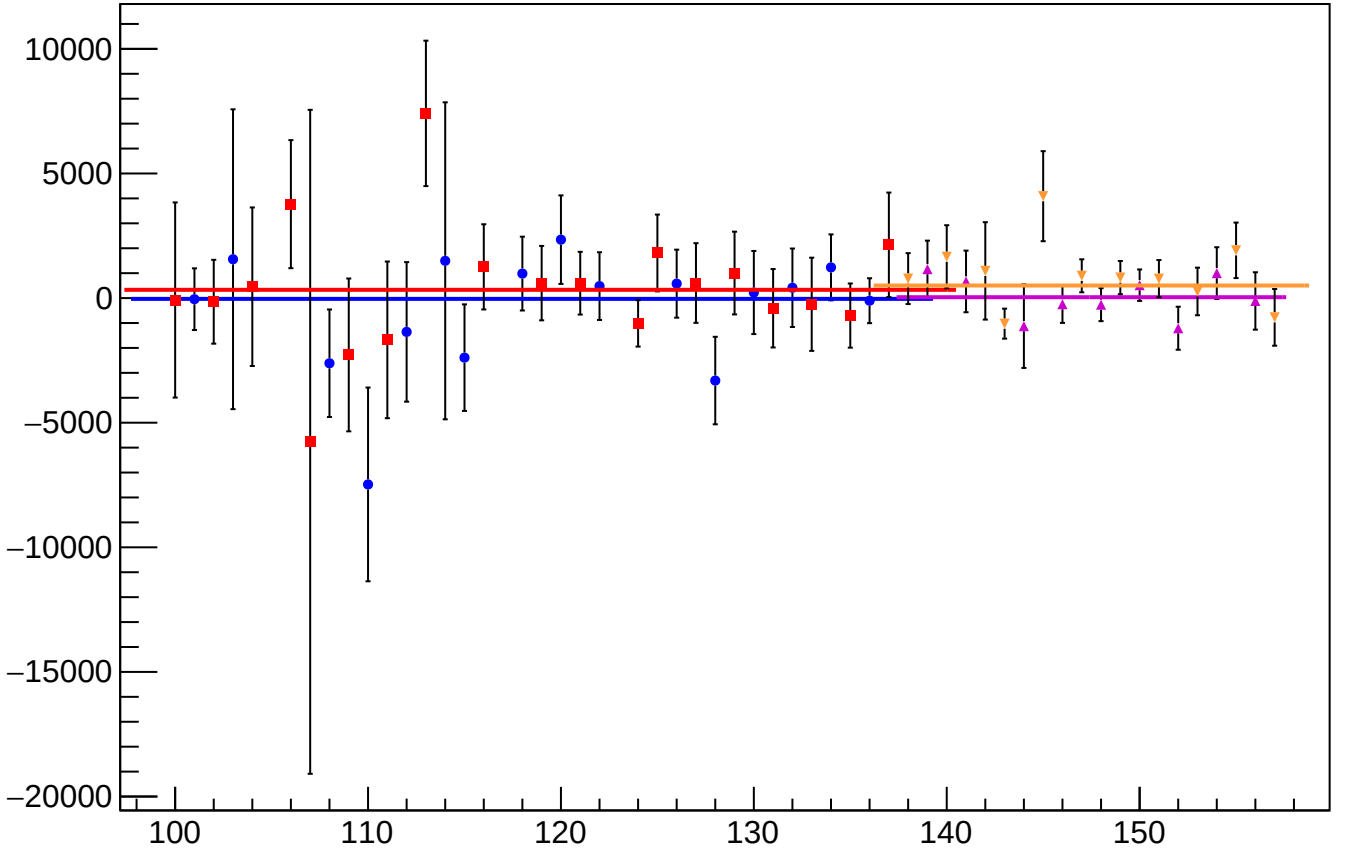
Left In: 2386.030+/-0.602 χ^2/NDF:537.9/8

+ sign 2475.666+/-0.440 χ^2/NDF: 289665.6/26

All: 2486.128+/-0.317 χ^2/NDF: 910694.2/54

- sign 2497.328+/-0.456 χ^2/NDF: 619860.5/27

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 504.716+/-268.050 χ^2/NDF:15.0/10

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

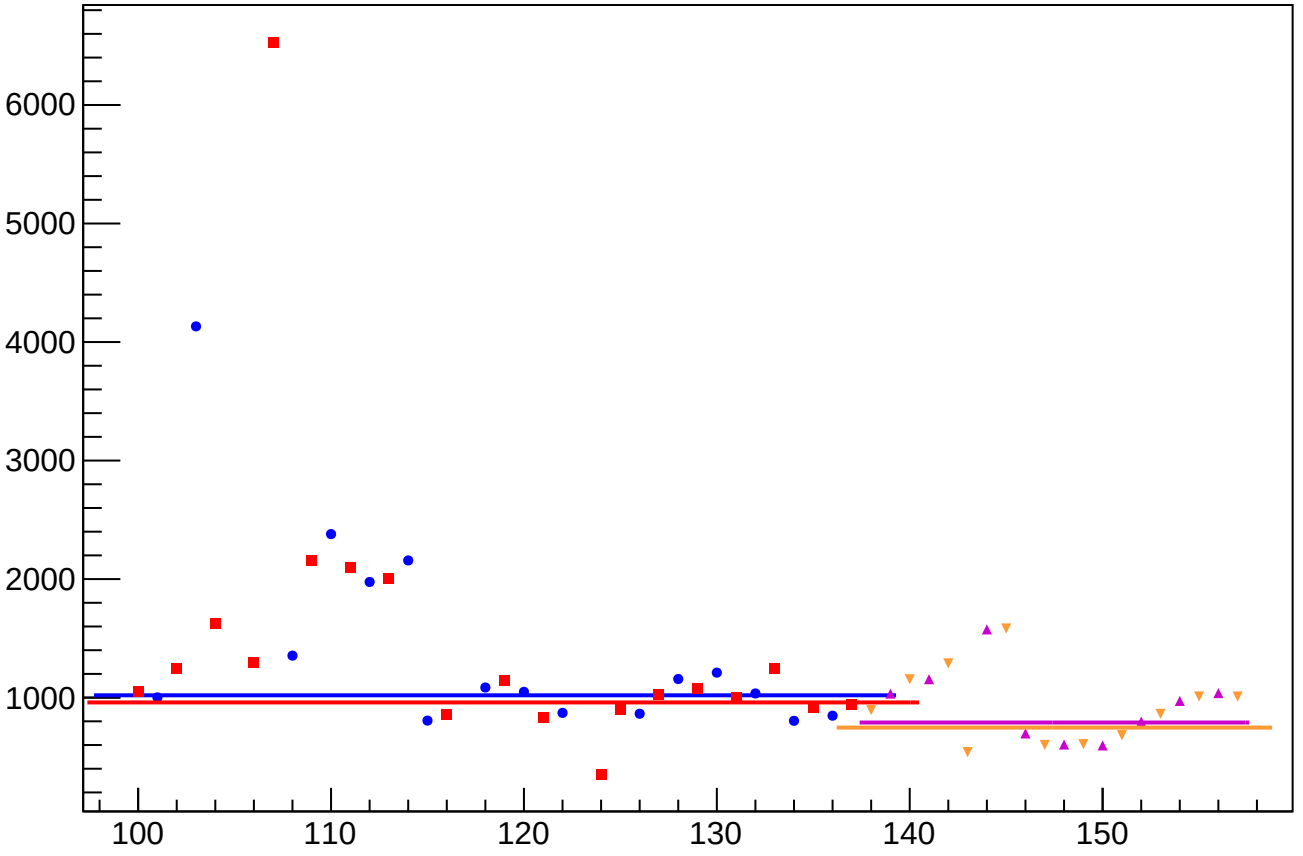
Left In: 35.412+/-296.553 χ^2/NDF:5.6/8

+ sign 341.858+/-223.648 χ^2/NDF: 30.0/26

All: 247.619+/-163.007 χ^2/NDF: 50.8/54

- sign 140.822+/-238.083 χ^2/NDF: 20.4/27

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 747.170+/-0.190 χ^2/NDF:1514088.6/10

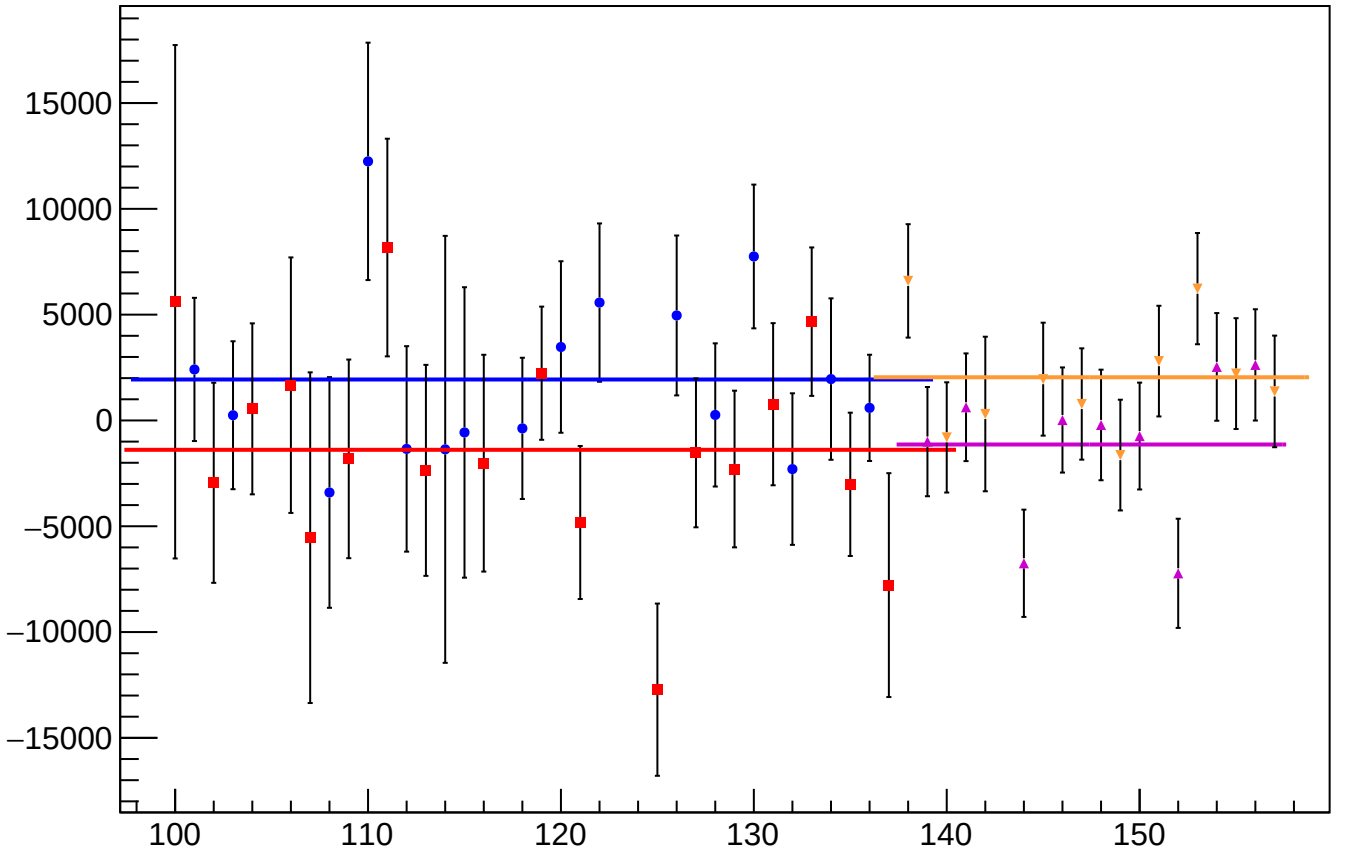
Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 789.773+/-0.210 χ^2/NDF:1235235.9/8

+ sign 829.924+/-0.158 χ^2/NDF: 3506171.2/26

All: 839.358+/-0.115 χ^2/NDF: 7325873.1/54

- sign 850.048+/-0.168 χ^2/NDF: 3812110.9/27



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.693+/-853.364 χ^2/NDF:9.2/9

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

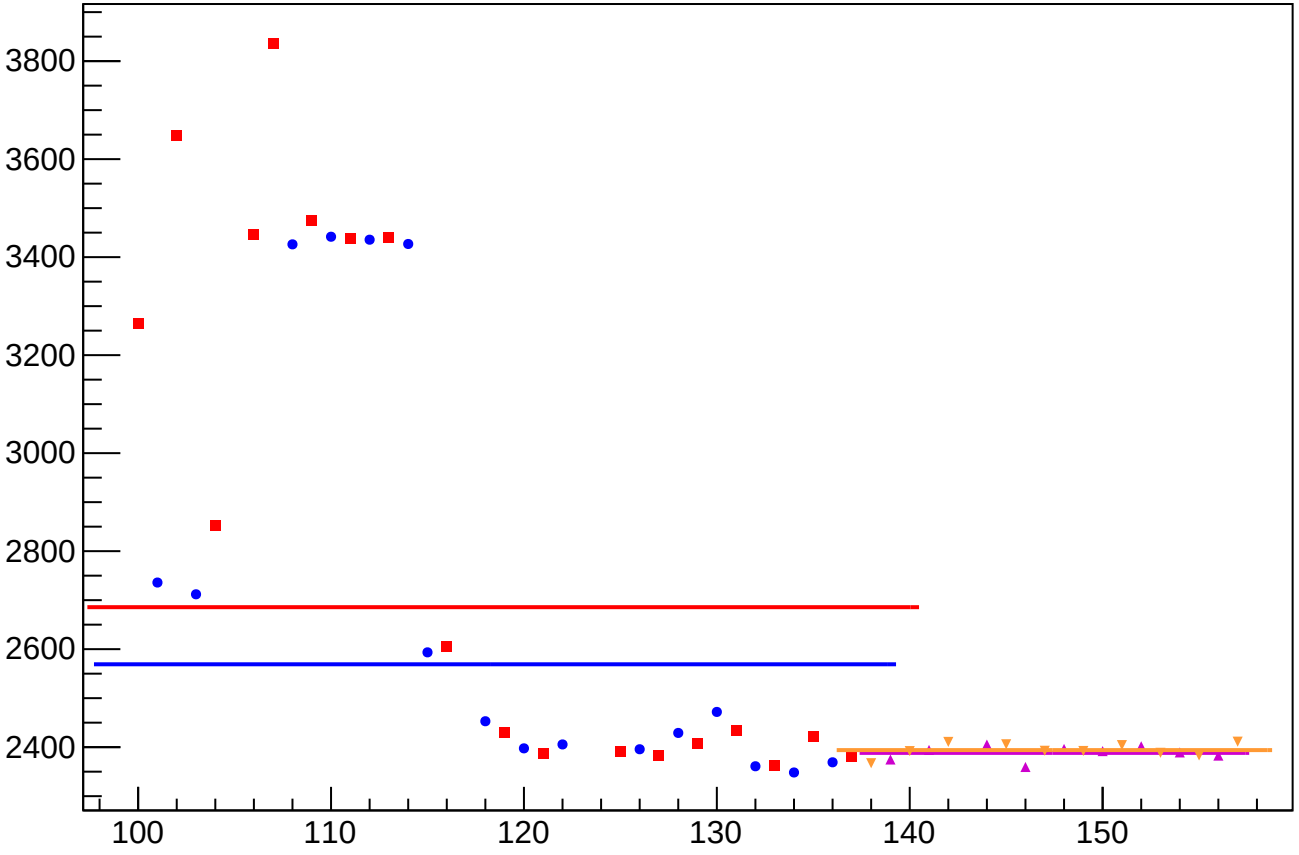
Left In: -1136.603+/-852.859 χ^2/NDF:15.4/8

+ sign 1994.603+/-638.481 χ^2/NDF: 21.6/25

All: 409.070+/-455.966 χ^2/NDF: 69.4/52

- sign -1241.165+/-651.379 χ^2/NDF: 35.2/26

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

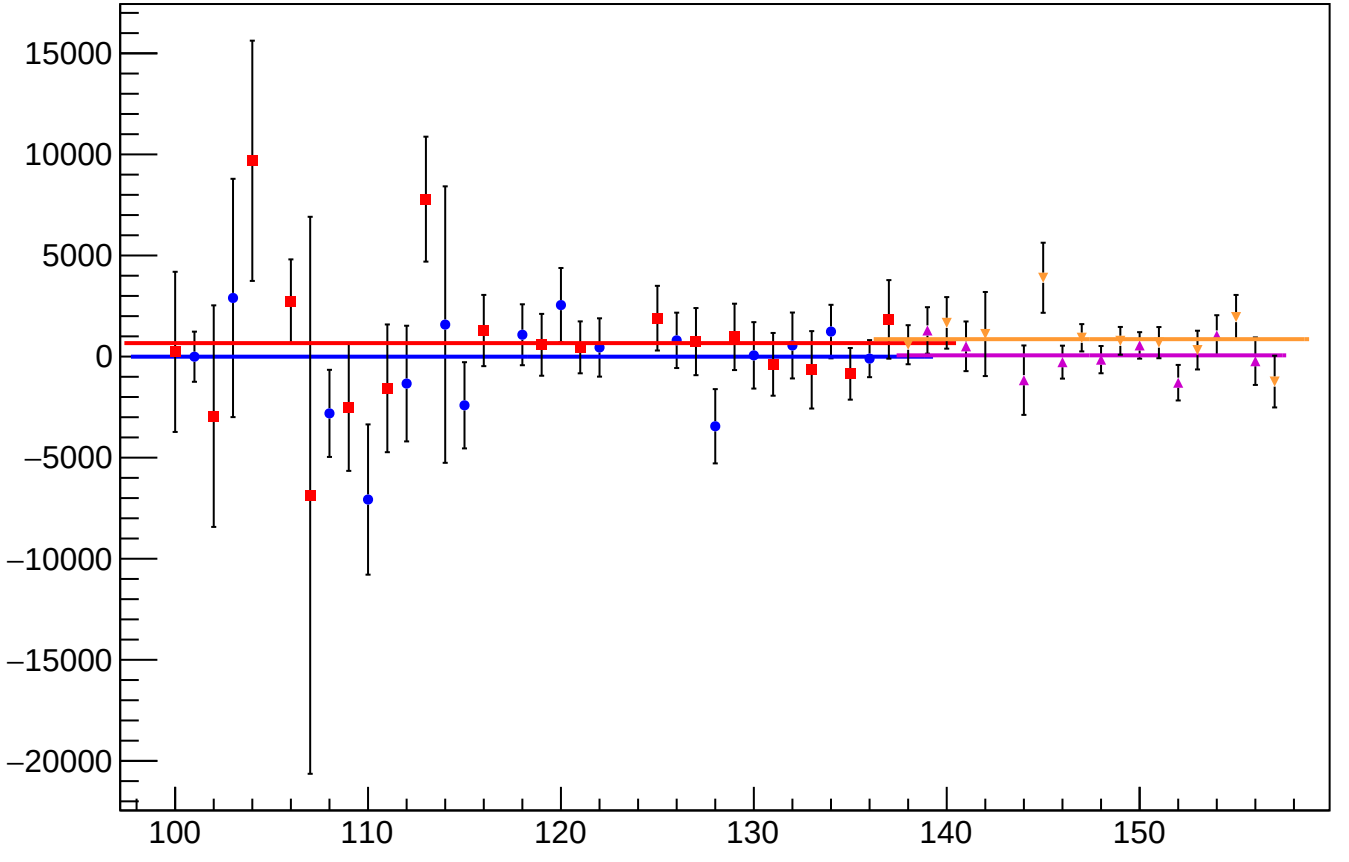
Left In: 2388.349+/-0.603 χ^2/NDF:510.3/8

+ sign 2471.090+/-0.451 χ^2/NDF: 267012.3/25

All: 2491.252+/-0.322 χ^2/NDF: 792139.8/52

- sign 2512.237+/-0.461 χ^2/NDF: 521057.3/26

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.920+/-304.628 χ^2/NDF:7.6/9

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

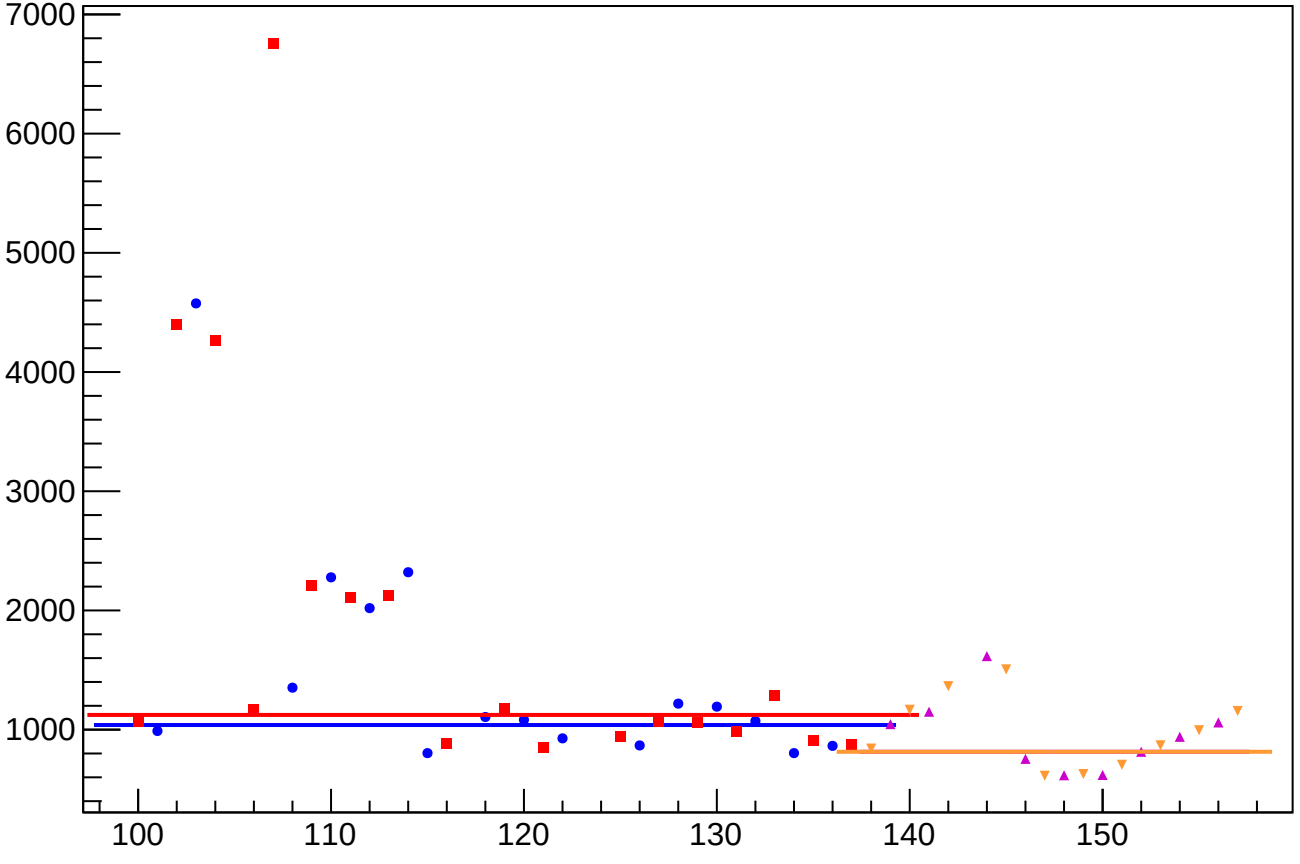
Left In: 60.792+/-304.202 χ^2/NDF:6.0/8

+ sign 555.030+/-244.996 χ^2/NDF: 25.0/25

All: 405.324+/-176.276 χ^2/NDF: 47.4/52

- sign 244.636+/-253.823 χ^2/NDF: 21.6/26

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 814.367+/-0.215 χ^2/NDF:1180364.0/9

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

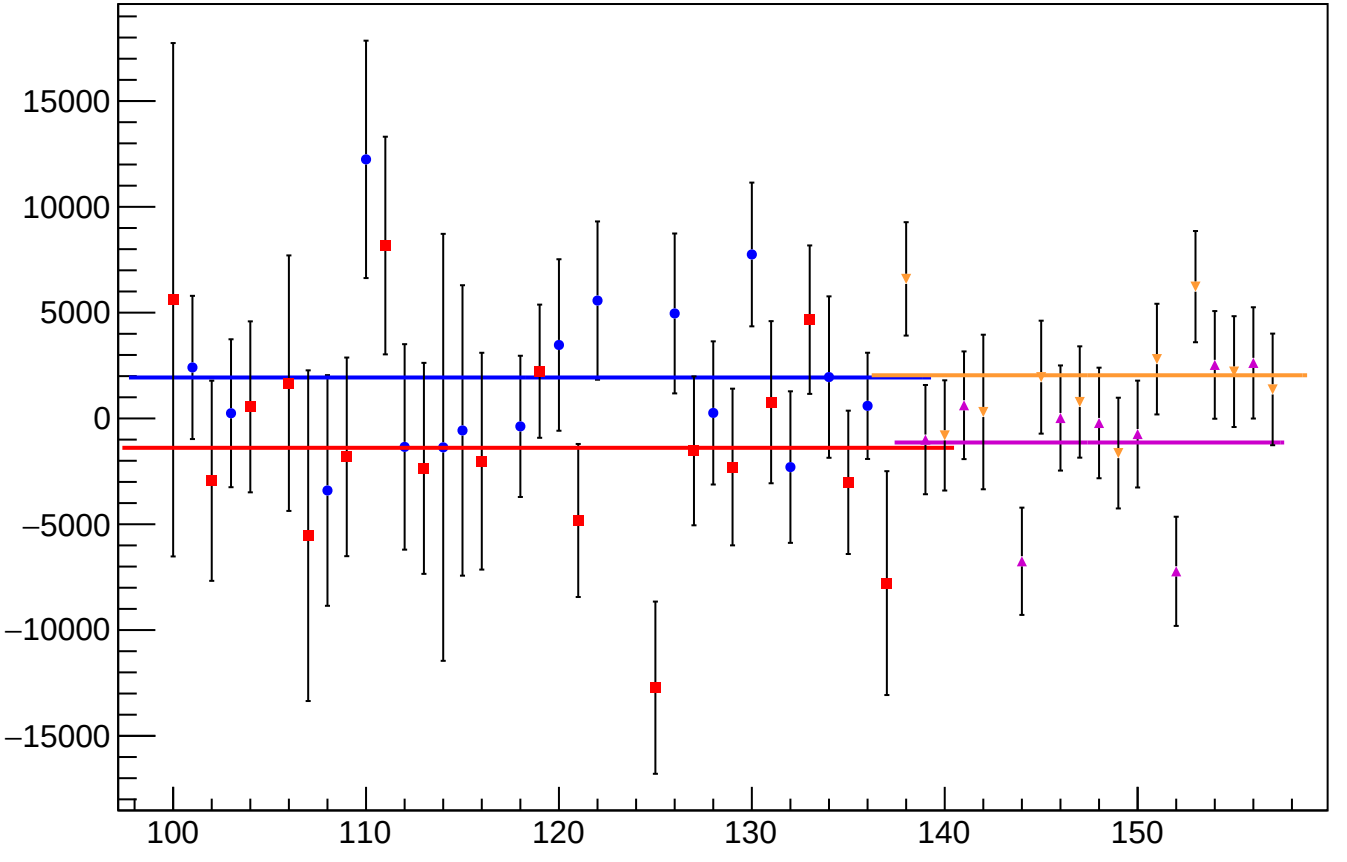
Left In: 814.274+/-0.215 χ^2/NDF:1144601.7/8

+ sign 893.634+/-0.173 χ^2/NDF: 3103519.0/25

All: 900.663+/-0.125 χ^2/NDF: 7414763.0/52

- sign 908.207+/-0.179 χ^2/NDF: 4307831.1/26

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2040.695+/-853.364 χ^2/NDF:9.2/9

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

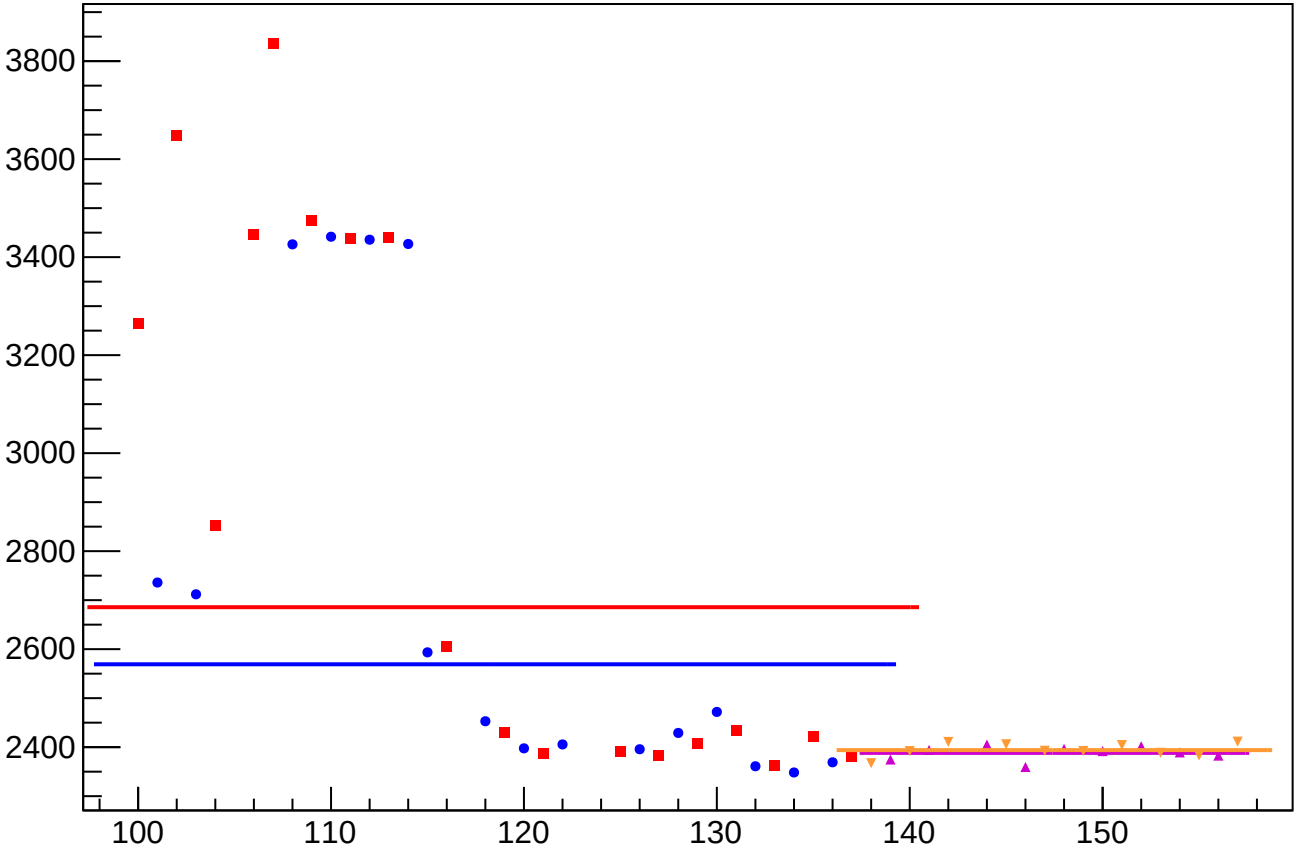
Left In: -1136.602+/-852.859 χ^2/NDF:15.4/8

+ sign 1994.603+/-638.481 χ^2/NDF: 21.6/25

All: 409.071+/-455.966 χ^2/NDF: 69.4/52

- sign -1241.163+/-651.379 χ^2/NDF: 35.2/26

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.993+/-0.603 χ^2/NDF:442.2/9

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

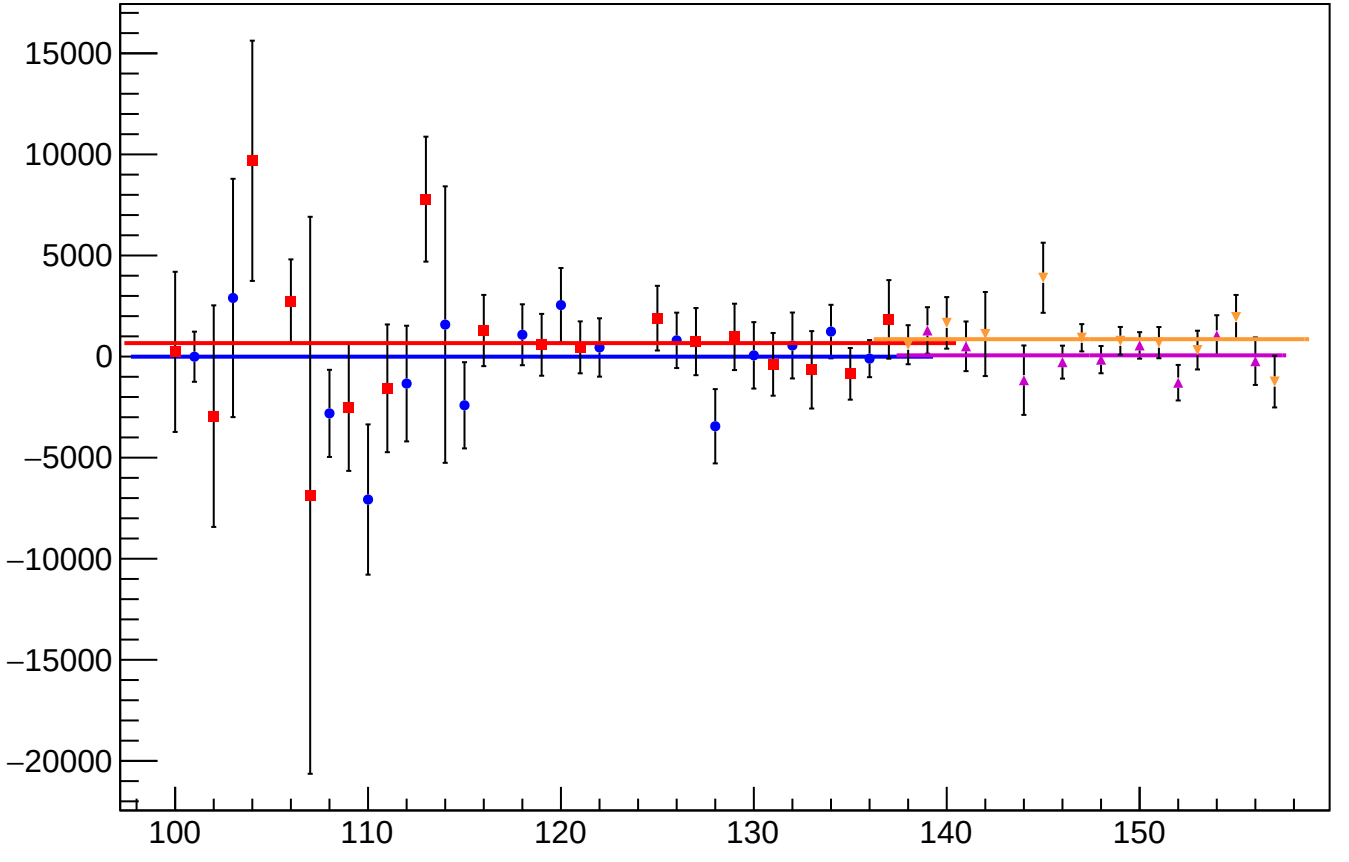
Left In: 2388.349+/-0.603 χ^2/NDF:510.3/8

+ sign 2471.089+/-0.451 χ^2/NDF: 267011.9/25

All: 2491.252+/-0.322 χ^2/NDF: 792138.5/52

- sign 2512.236+/-0.461 χ^2/NDF: 521056.5/26

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 860.921+/-304.628 χ^2/NDF:7.6/9

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

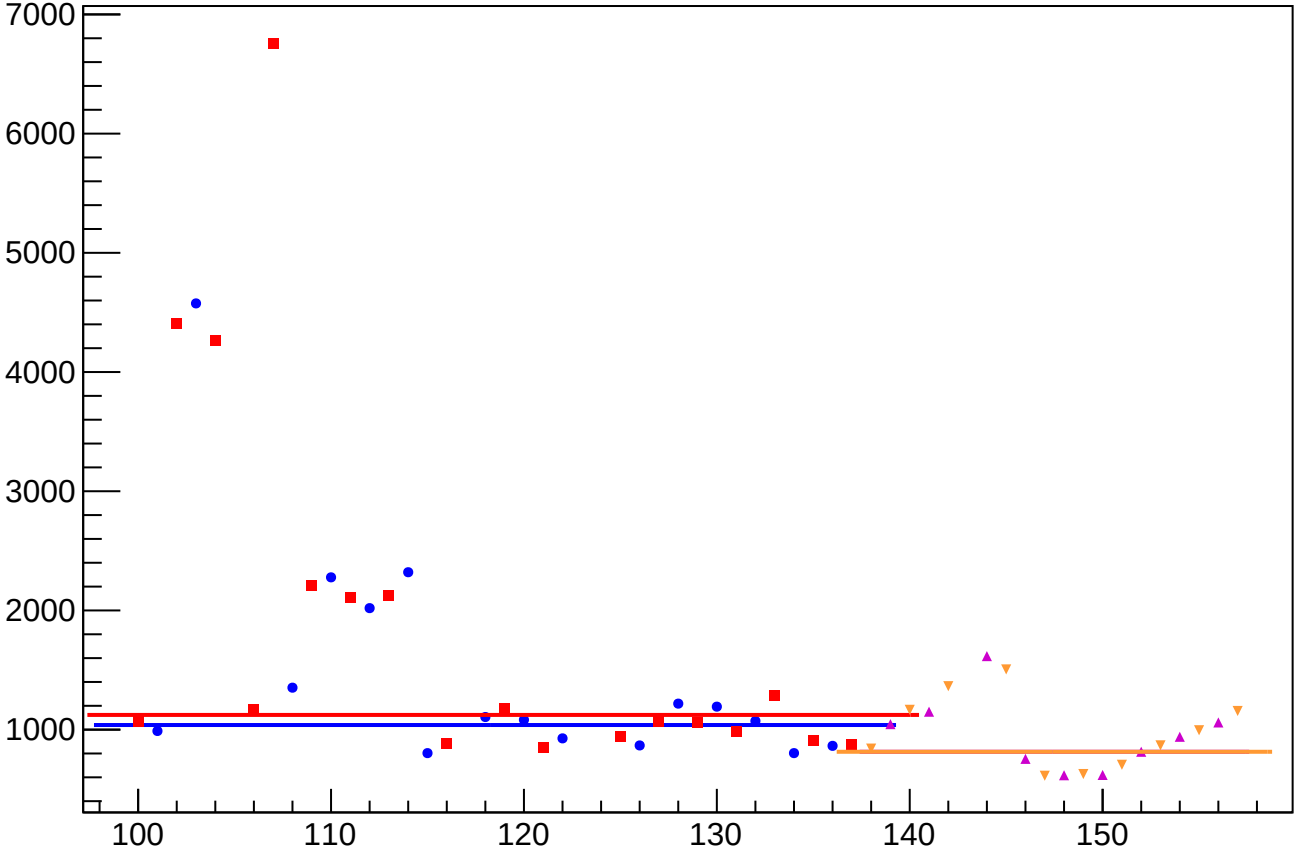
Left In: 60.792+/-304.202 χ^2/NDF:6.0/8

\+ sign 555.029+/-244.997 χ^2/NDF: 25.0/25

All: 405.323+/-176.277 χ^2/NDF: 47.4/52

\- sign 244.636+/-253.823 χ^2/NDF: 21.6/26

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 814.368+/-0.215 χ^2/NDF:1180361.7/9

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

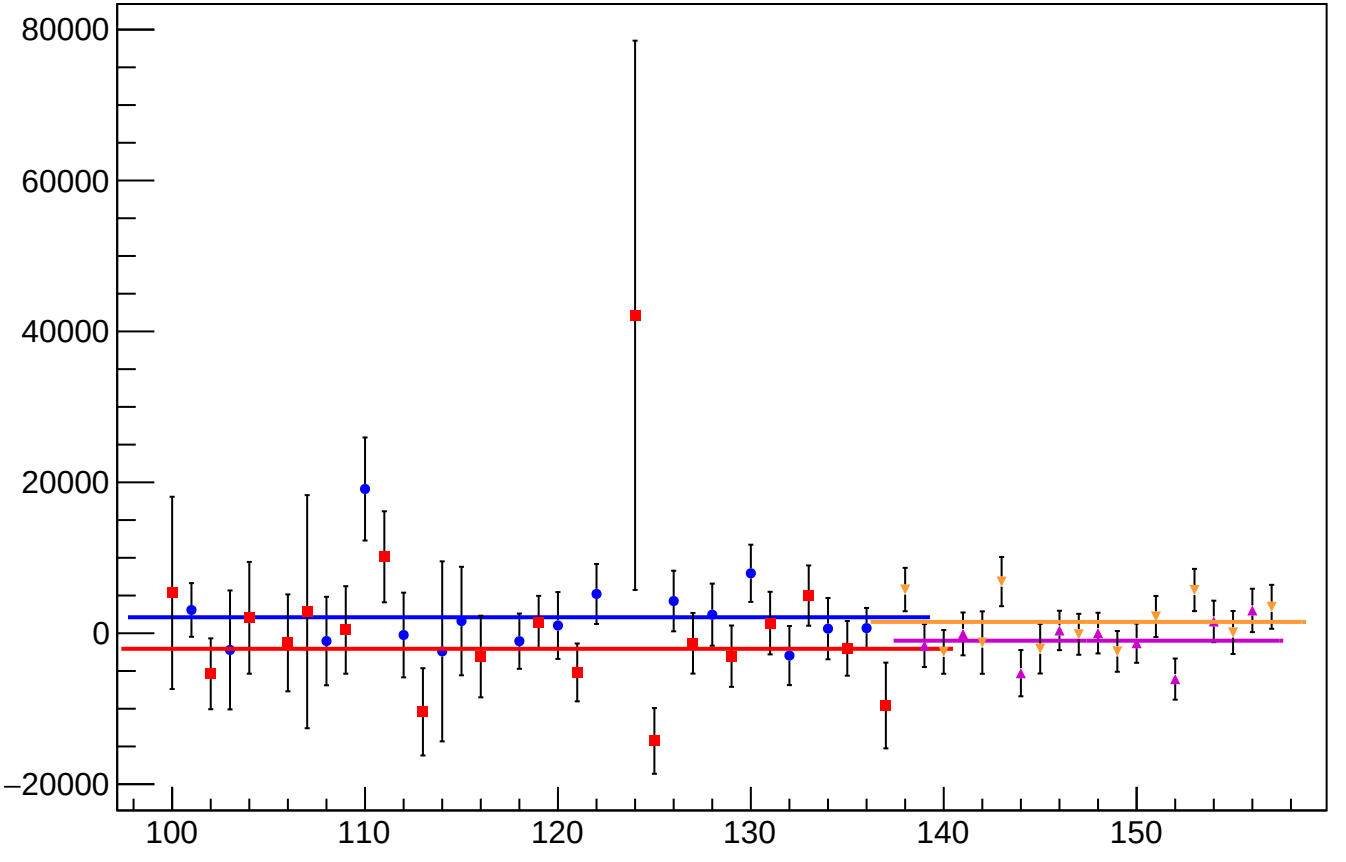
Left In: 814.275+/-0.215 χ^2/NDF:1144599.1/8

+ sign 893.635+/-0.173 χ^2/NDF: 3103508.0/25

All: 900.664+/-0.125 χ^2/NDF: 7414741.7/52

- sign 908.208+/-0.179 χ^2/NDF: 4307820.8/26

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1507.449+/-890.500 χ^2/NDF:13.9/10

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

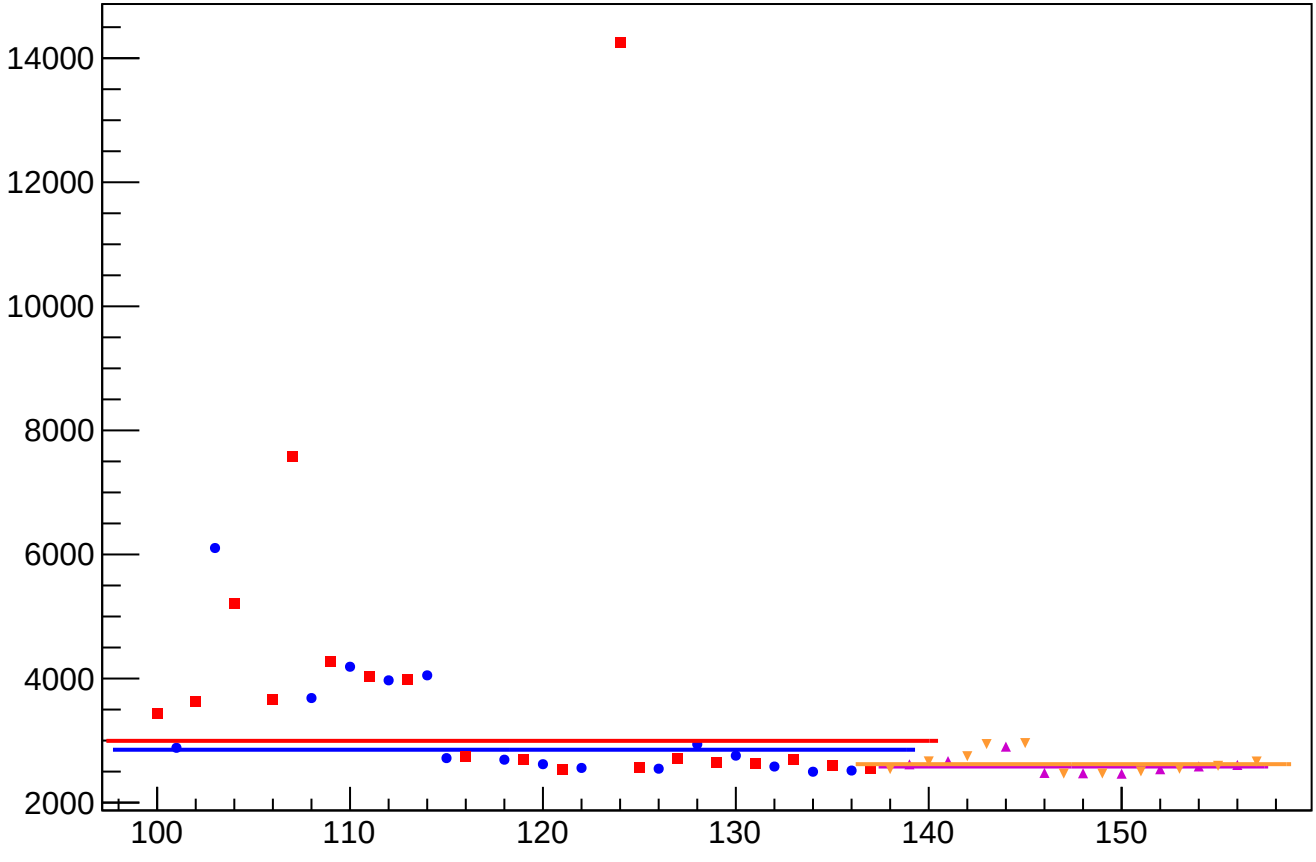
Left In: -985.123+/-923.143 χ^2/NDF:8.8/8

+ sign 1754.877+/-688.269 χ^2/NDF: 27.5/26

All: 235.251+/-496.401 χ^2/NDF: 71.3/54

- sign -1412.156+/-716.623 χ^2/NDF: 33.7/27

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2619.679+/-0.630 χ^2/NDF:63122.1/10

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

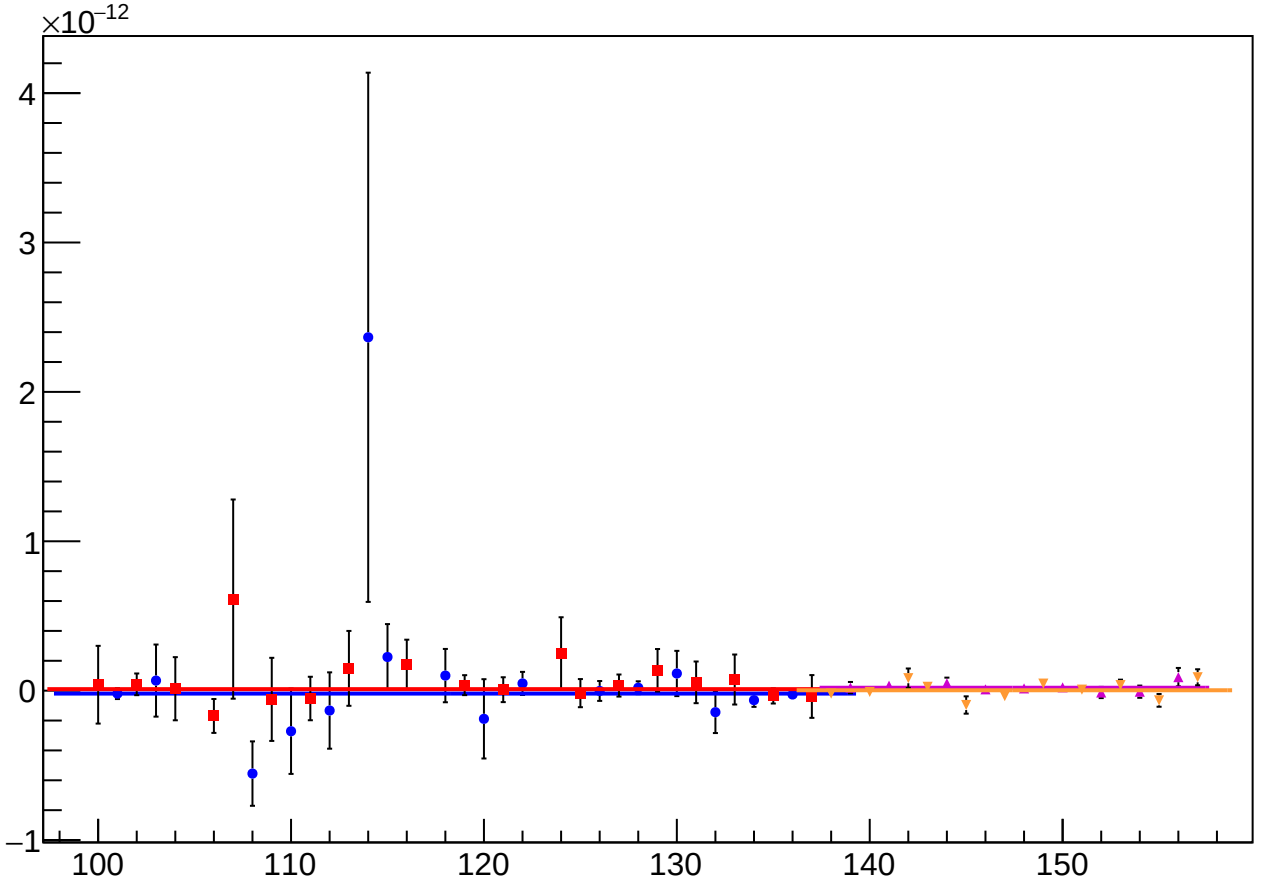
Left In: 2581.478+/-0.653 χ^2/NDF:35135.1/8

+ sign 2713.300+/-0.487 χ^2/NDF: 766741.4/26

All: 2728.996+/-0.351 χ^2/NDF: 1943095.1/54

- sign 2746.013+/-0.507 χ^2/NDF: 1174185.7/27

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

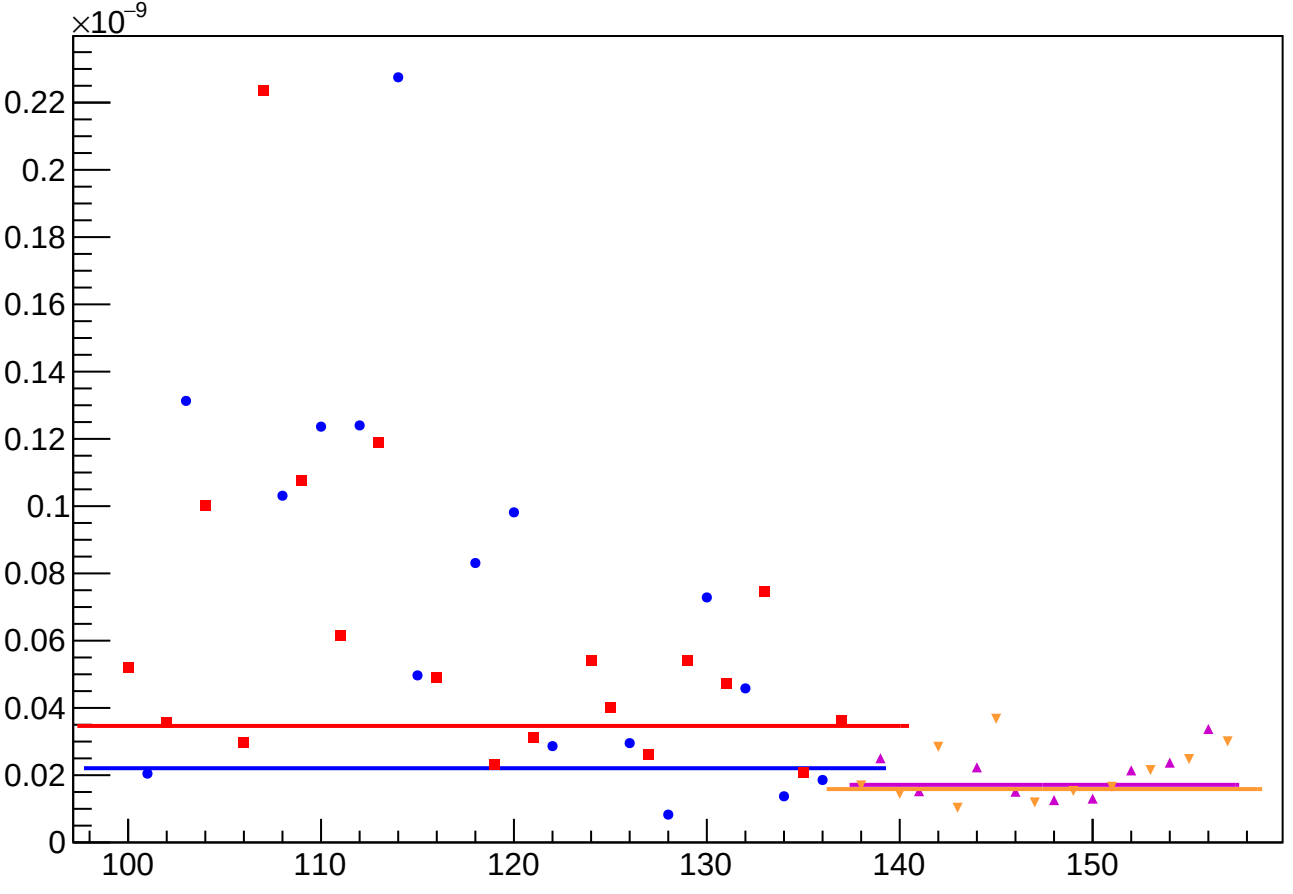
Left In: 0.000+/-0.000 χ^2/NDF:3.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: 0.000+/-0.000 χ^2/NDF: 49.8/54

- sign 0.000+/-0.000 χ^2/NDF: 11.9/27

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:851436.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

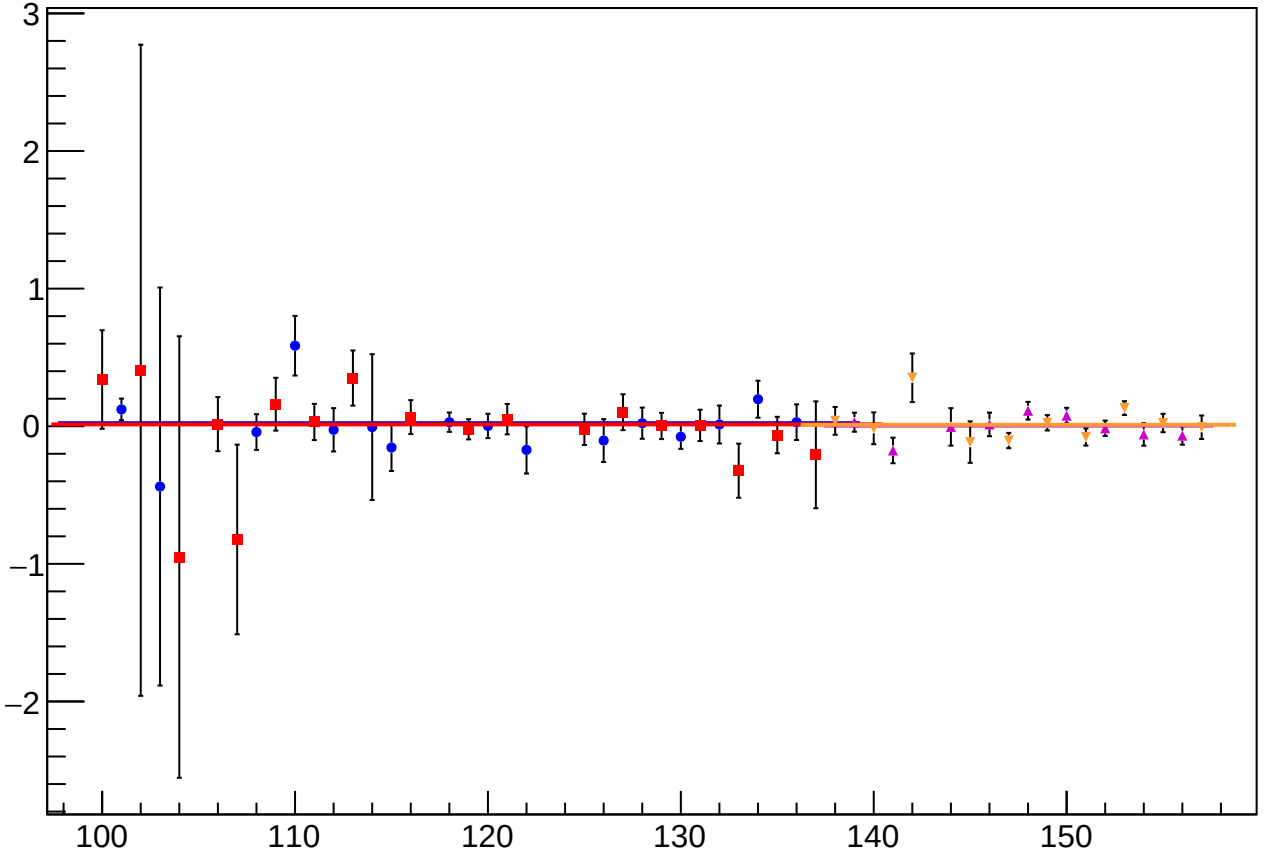
Left In: 0.000+/-0.000 χ^2/NDF:505825.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 3401296.6/26

All: 0.000+/-0.000 χ^2/NDF: 6107981.5/54

- sign 0.000+/-0.000 χ^2/NDF: 2616268.2/27

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

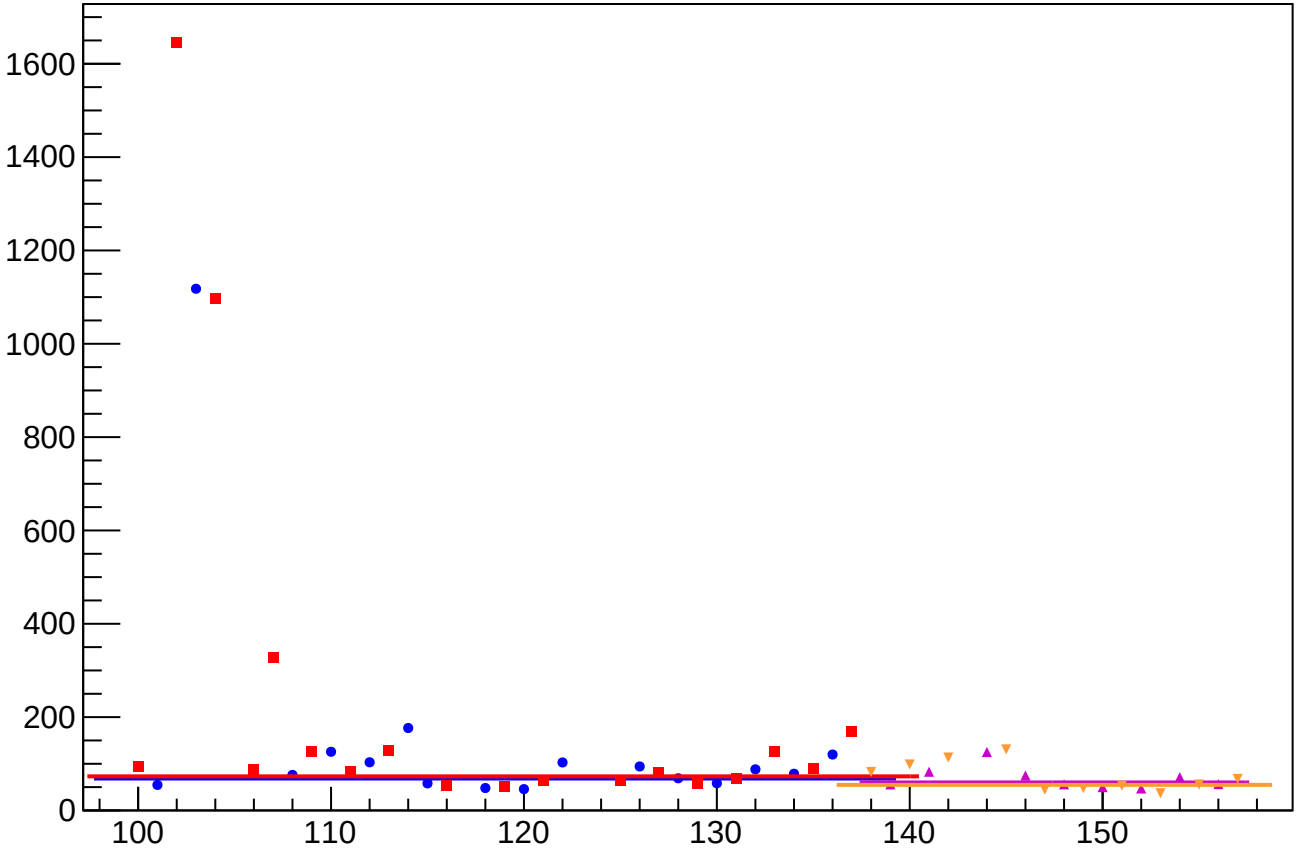
Left In: 0.005+/-0.024 χ^2/NDF:10.4/8

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.012+/-0.013 χ^2/NDF: 53.0/52

- sign 0.008+/-0.019 χ^2/NDF: 21.2/26

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

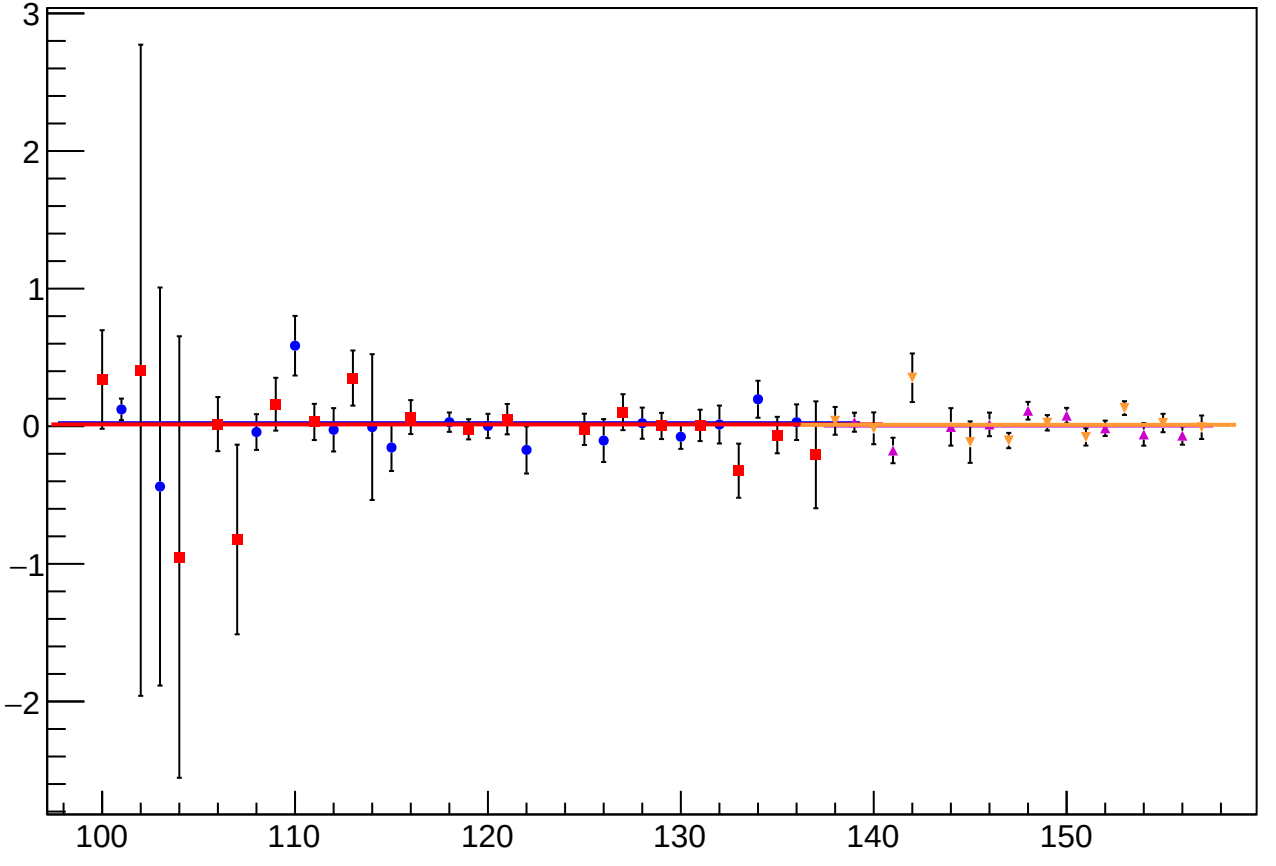
Left In: 59.968+/-0.017 χ^2/NDF:871220.1/8

\+ sign 59.818+/-0.013 χ^2/NDF: 4101069.8/25

All: 61.950+/-0.009 χ^2/NDF: 8147439.1/52

\- sign 64.360+/-0.014 χ^2/NDF: 3988084.4/26

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.8/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

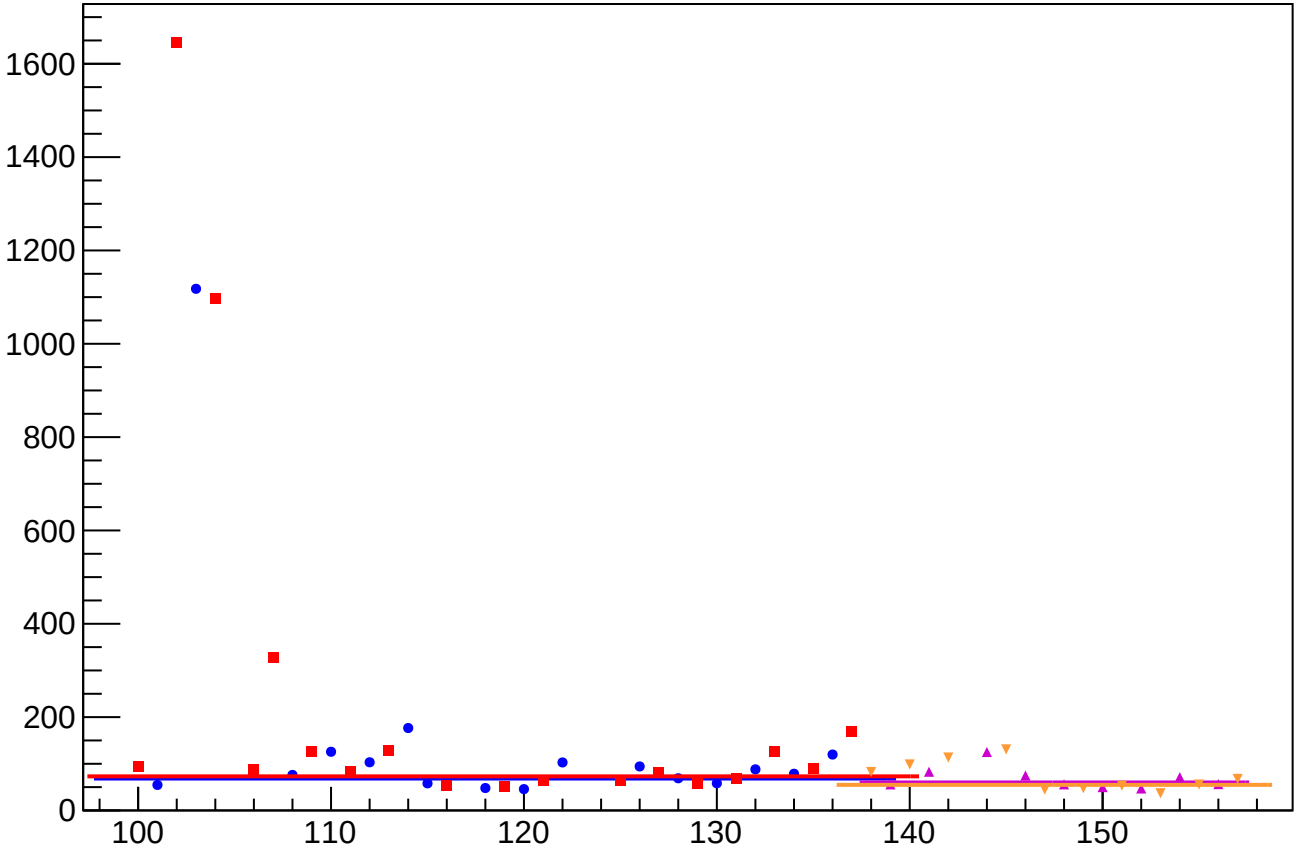
Left In: 0.005+/-0.024 χ^2/NDF:10.4/8

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.012+/-0.013 χ^2/NDF: 53.0/52

- sign 0.008+/-0.019 χ^2/NDF: 21.2/26

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565764.3/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

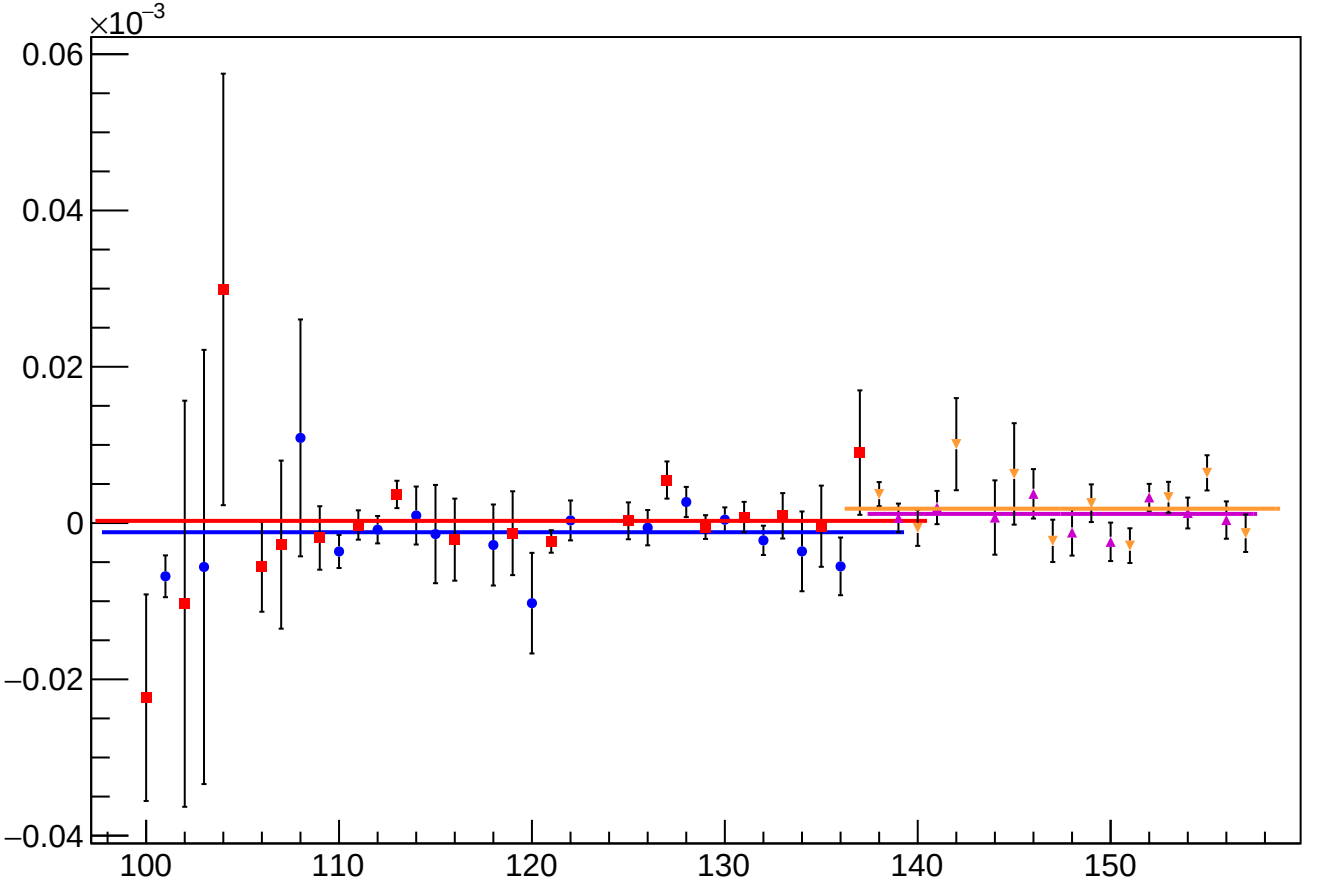
Left In: 59.968+/-0.017 χ^2/NDF:871220.1/8

+ sign 59.818+/-0.013 χ^2/NDF: 4101069.8/25

All: 61.950+/-0.009 χ^2/NDF: 8147439.1/52

- sign 64.360+/-0.014 χ^2/NDF: 3988084.4/26

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

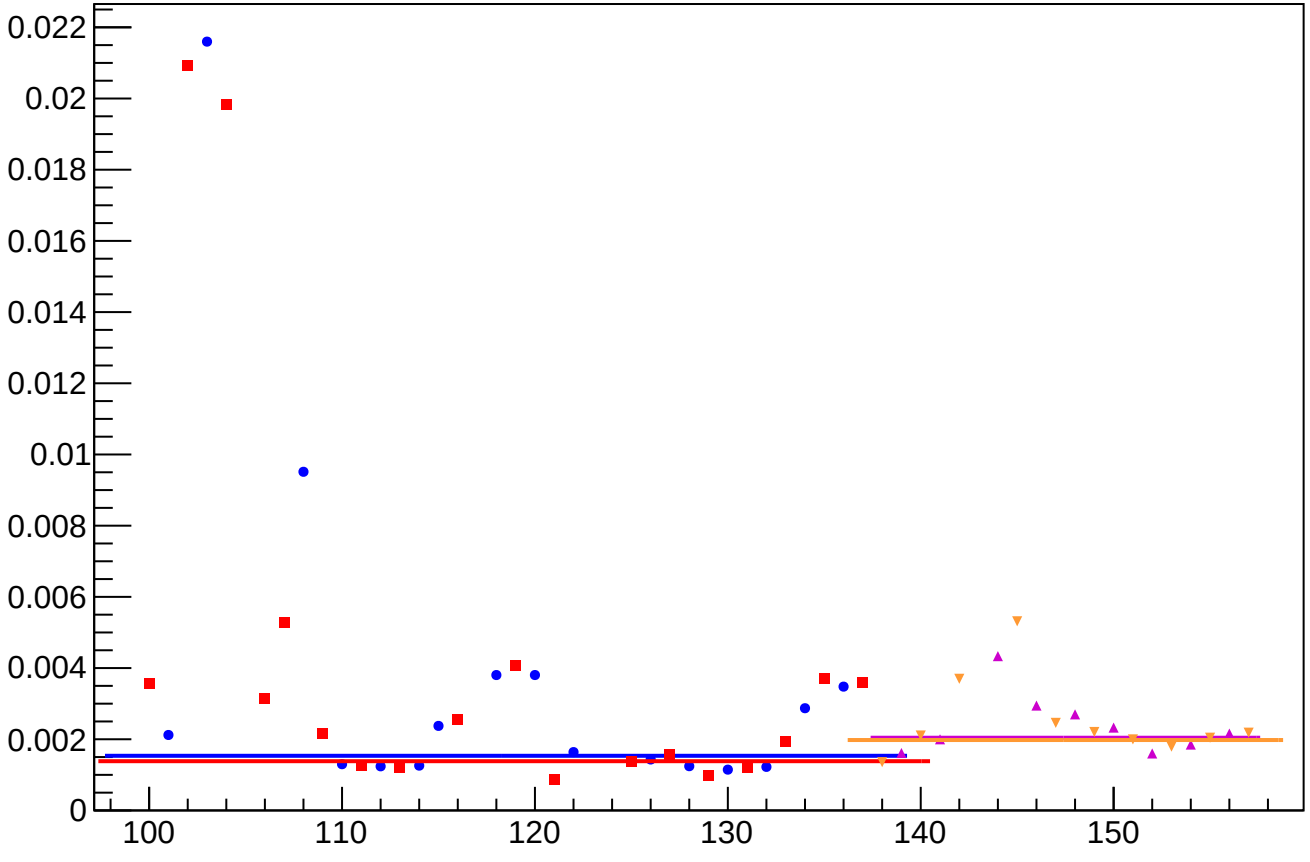
Left In: 0.000+/-0.000 χ^2/NDF:5.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/25

All: 0.000+/-0.000 χ^2/NDF: 69.9/52

- sign 0.000+/-0.000 χ^2/NDF: 25.6/26

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1145471.3/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

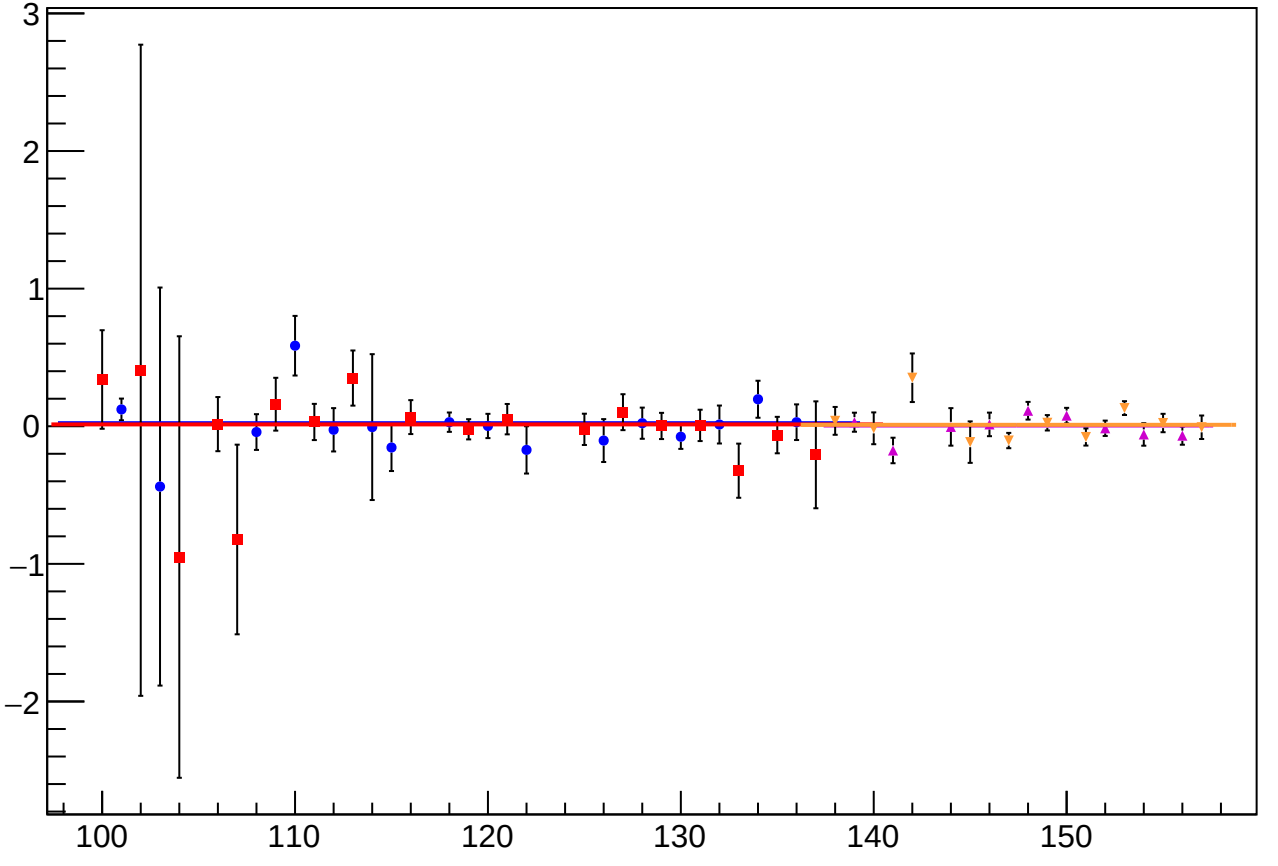
Left In: 0.002+/-0.000 χ^2/NDF:1017452.6/8

+ sign 0.002+/-0.000 χ^2/NDF: 4912839.1/25

All: 0.002+/-0.000 χ^2/NDF: 11107121.8/52

- sign 0.002+/-0.000 χ^2/NDF: 6167685.8/26

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.9/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

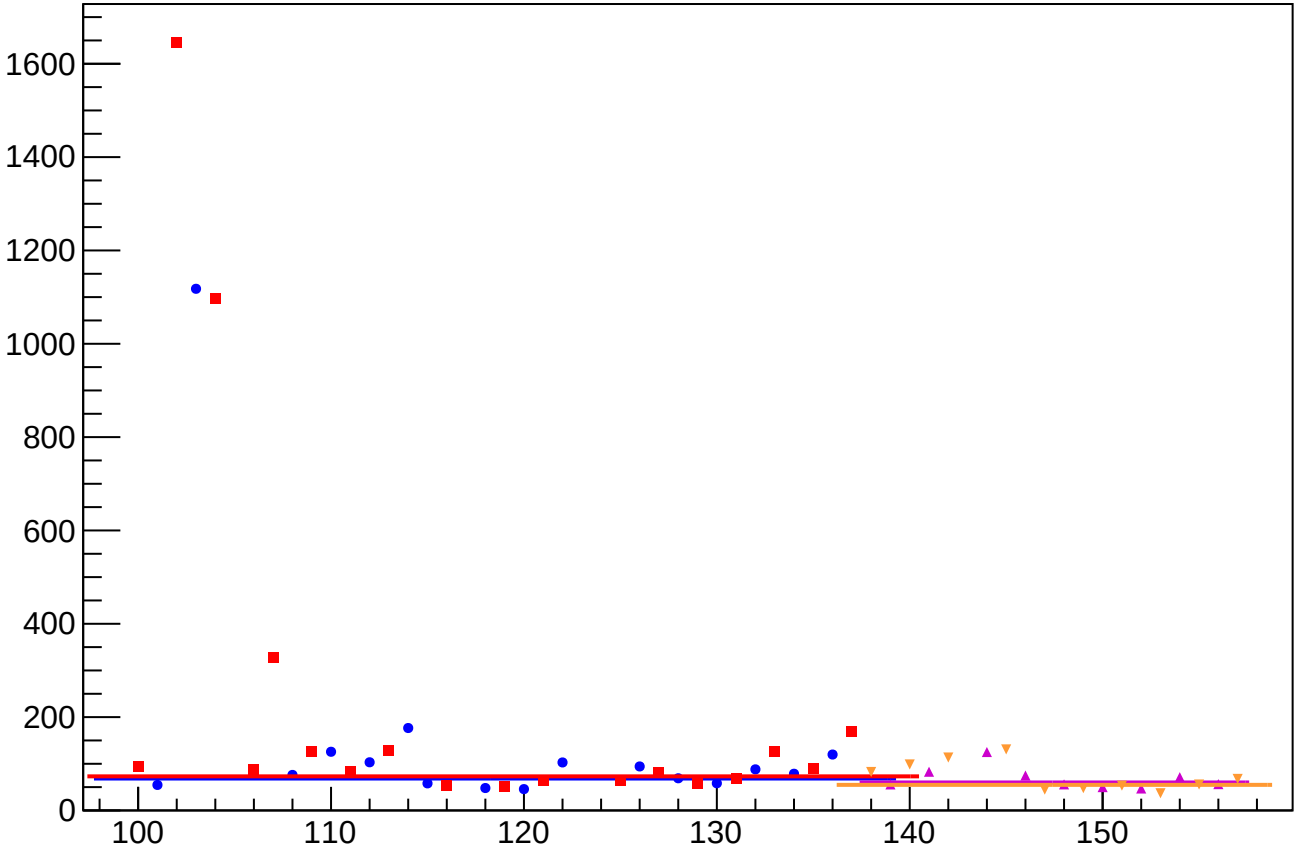
Left In: 0.005+/-0.024 χ^2/NDF:10.4/8

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.012+/-0.013 χ^2/NDF: 53.0/52

- sign 0.008+/-0.019 χ^2/NDF: 21.2/26

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565826.5/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

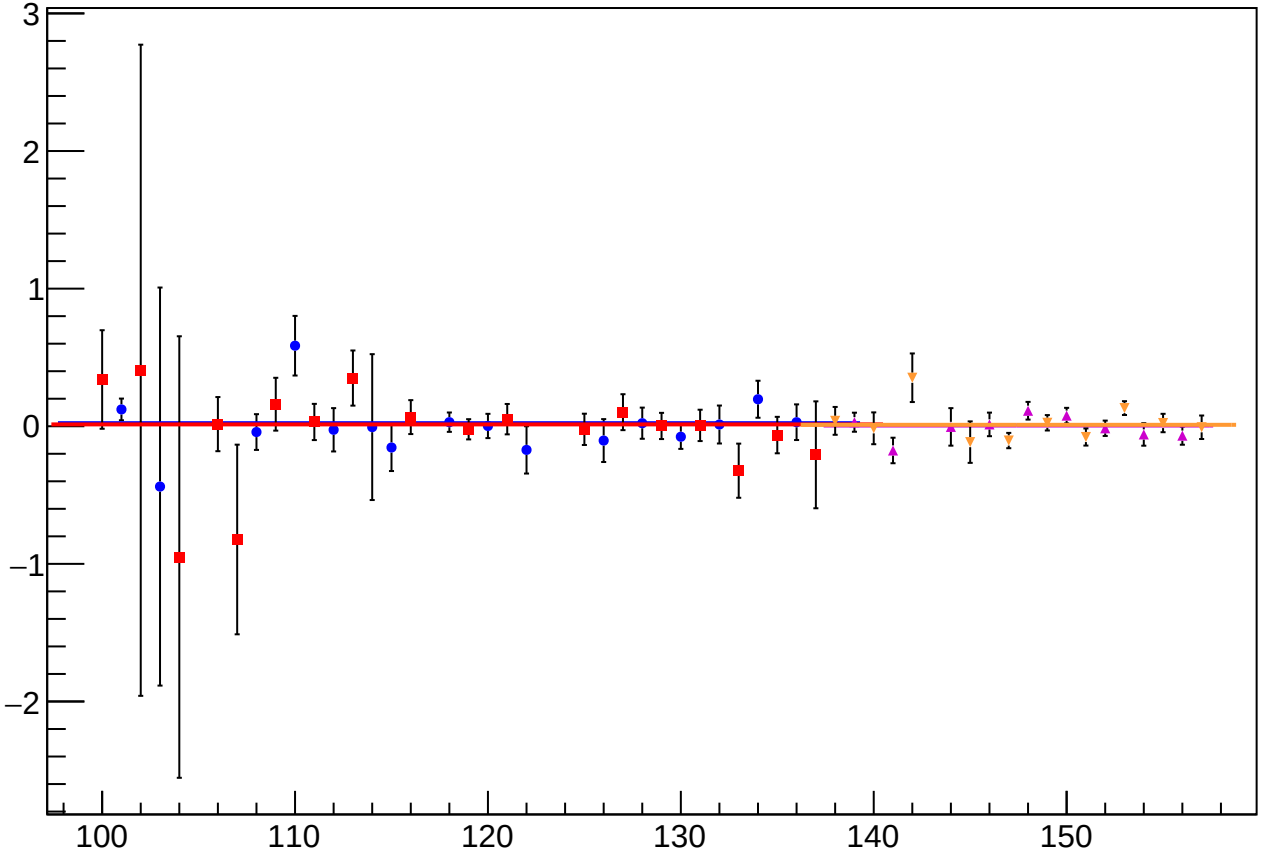
Left In: 59.968+/-0.017 χ^2/NDF:871212.1/8

+ sign 59.817+/-0.013 χ^2/NDF: 4101197.4/25

All: 61.950+/-0.009 χ^2/NDF: 8147566.8/52

- sign 64.360+/-0.014 χ^2/NDF: 3988072.1/26

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.023 χ^2/NDF:16.9/9

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

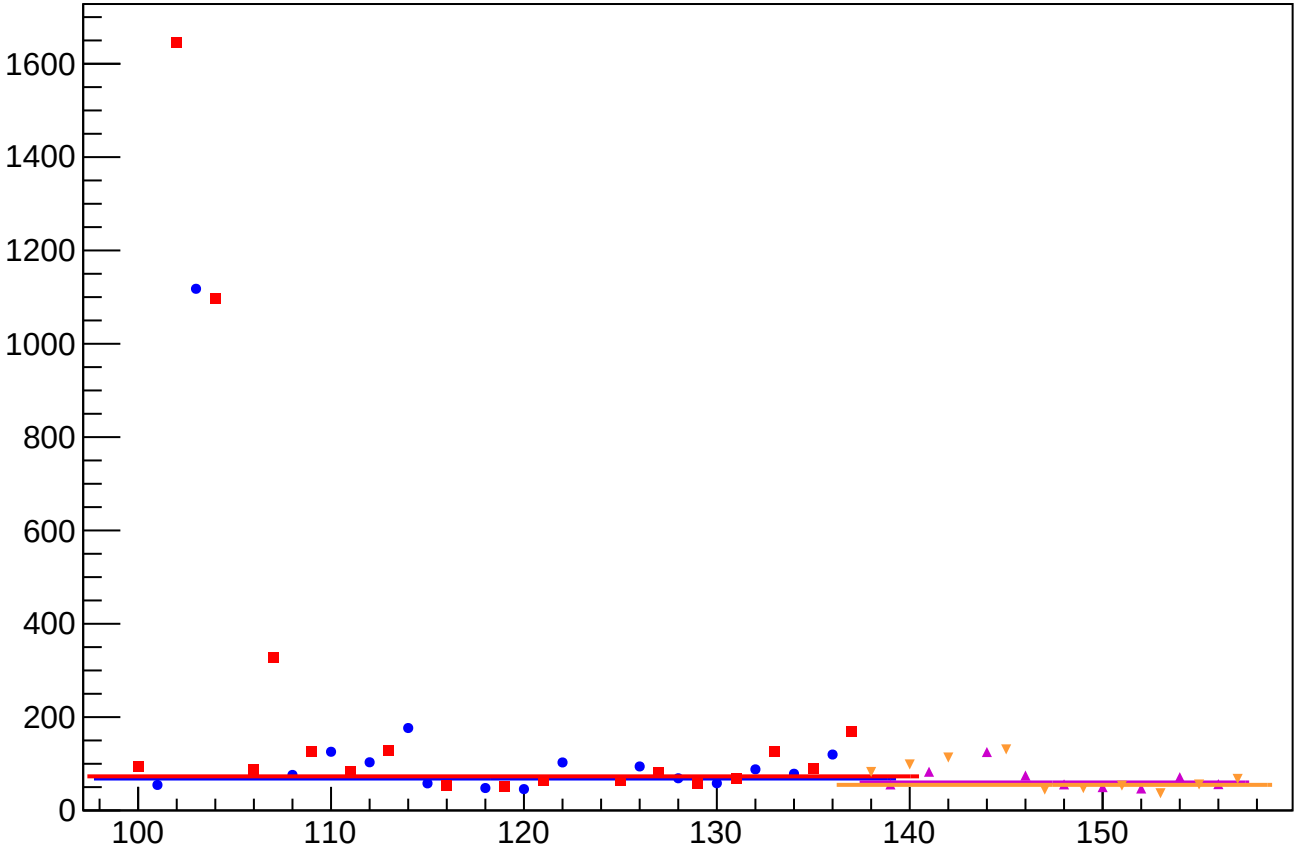
Left In: 0.005+/-0.024 χ^2/NDF:10.4/8

+ sign 0.015+/-0.018 χ^2/NDF: 31.7/25

All: 0.012+/-0.013 χ^2/NDF: 53.0/52

- sign 0.008+/-0.019 χ^2/NDF: 21.2/26

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 54.853+/-0.016 χ^2/NDF:1565826.5/9

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

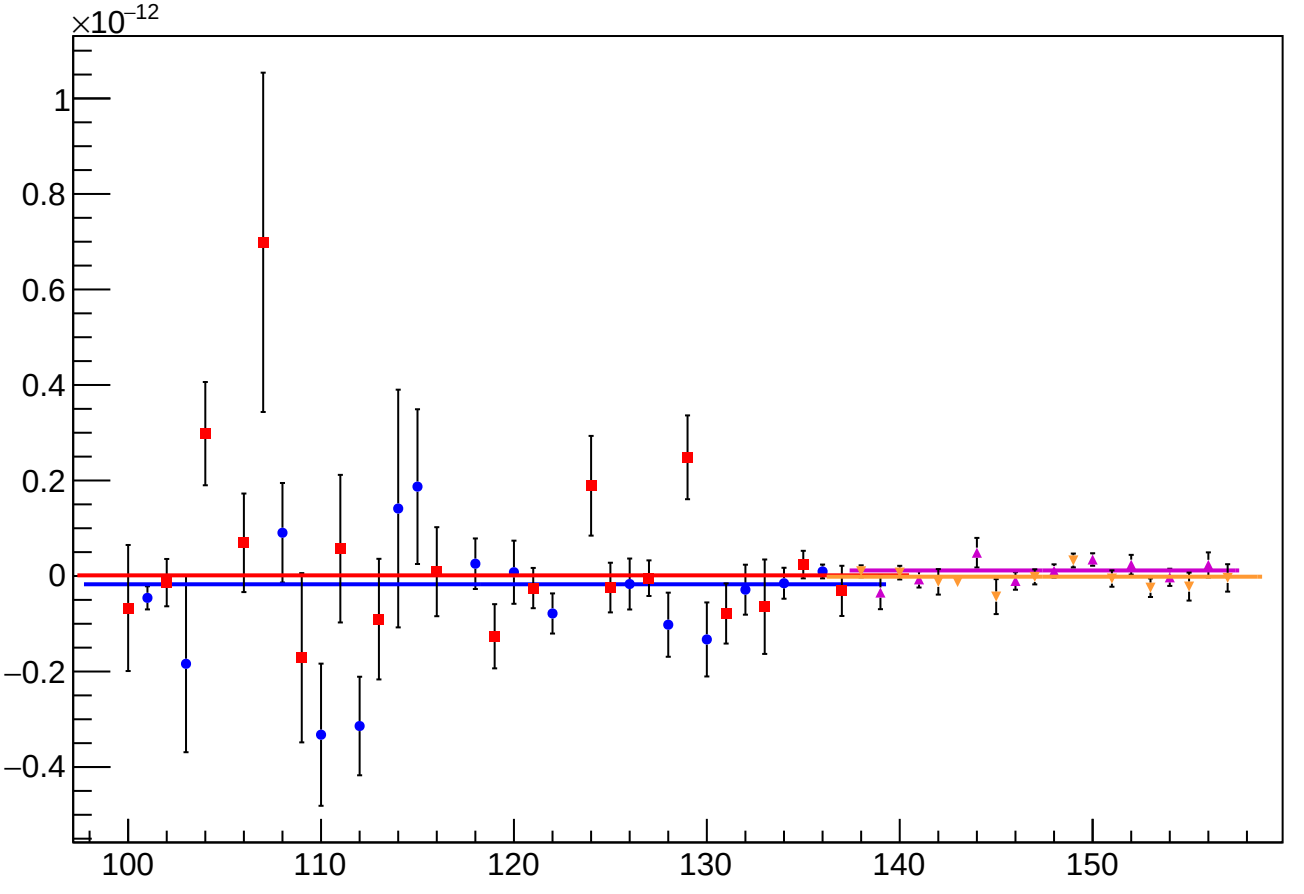
Left In: 59.968+/-0.017 χ^2/NDF:871212.1/8

+ sign 59.817+/-0.013 χ^2/NDF: 4101197.4/25

All: 61.950+/-0.009 χ^2/NDF: 8147566.8/52

- sign 64.360+/-0.014 χ^2/NDF: 3988072.1/26

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

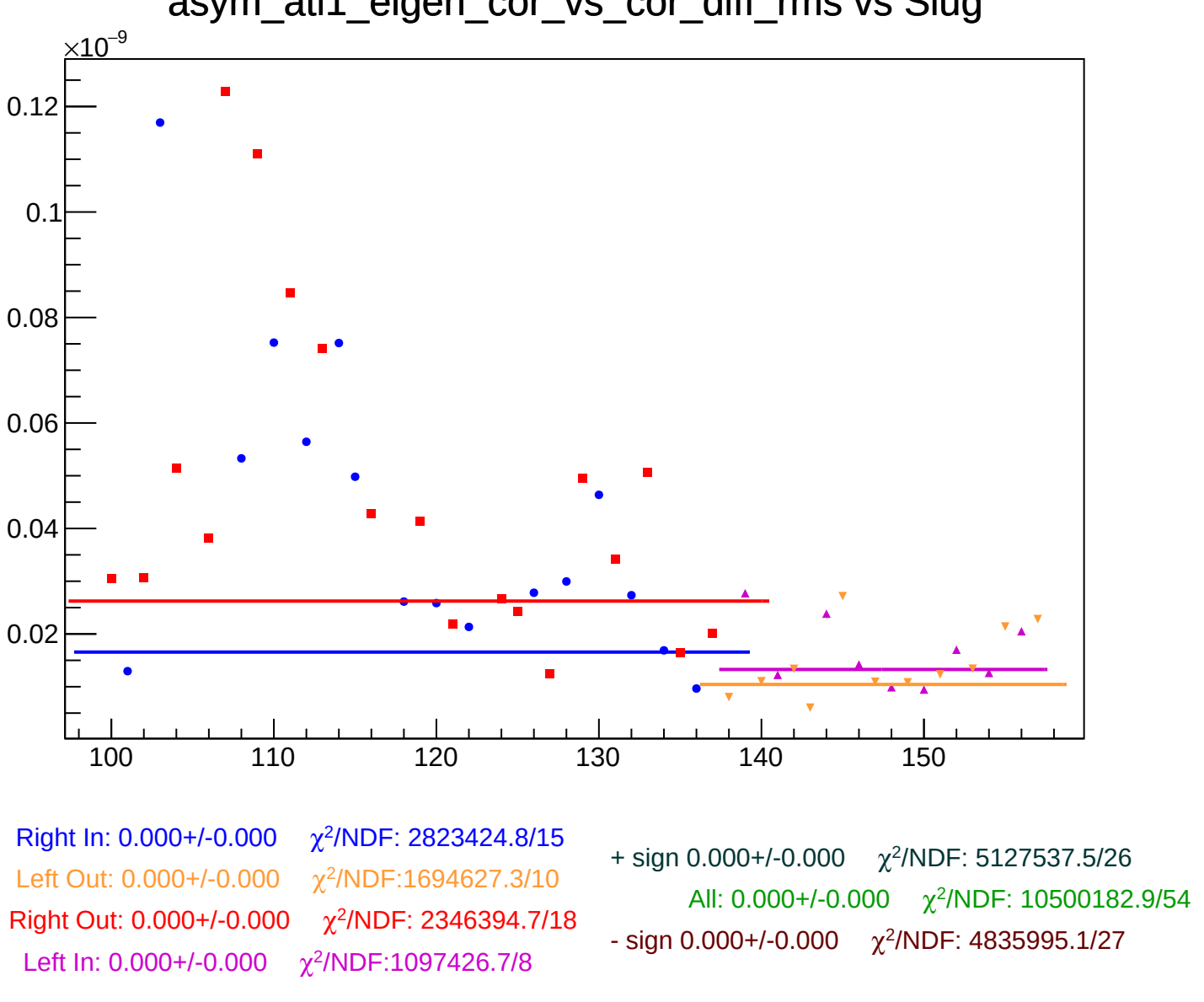
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/8

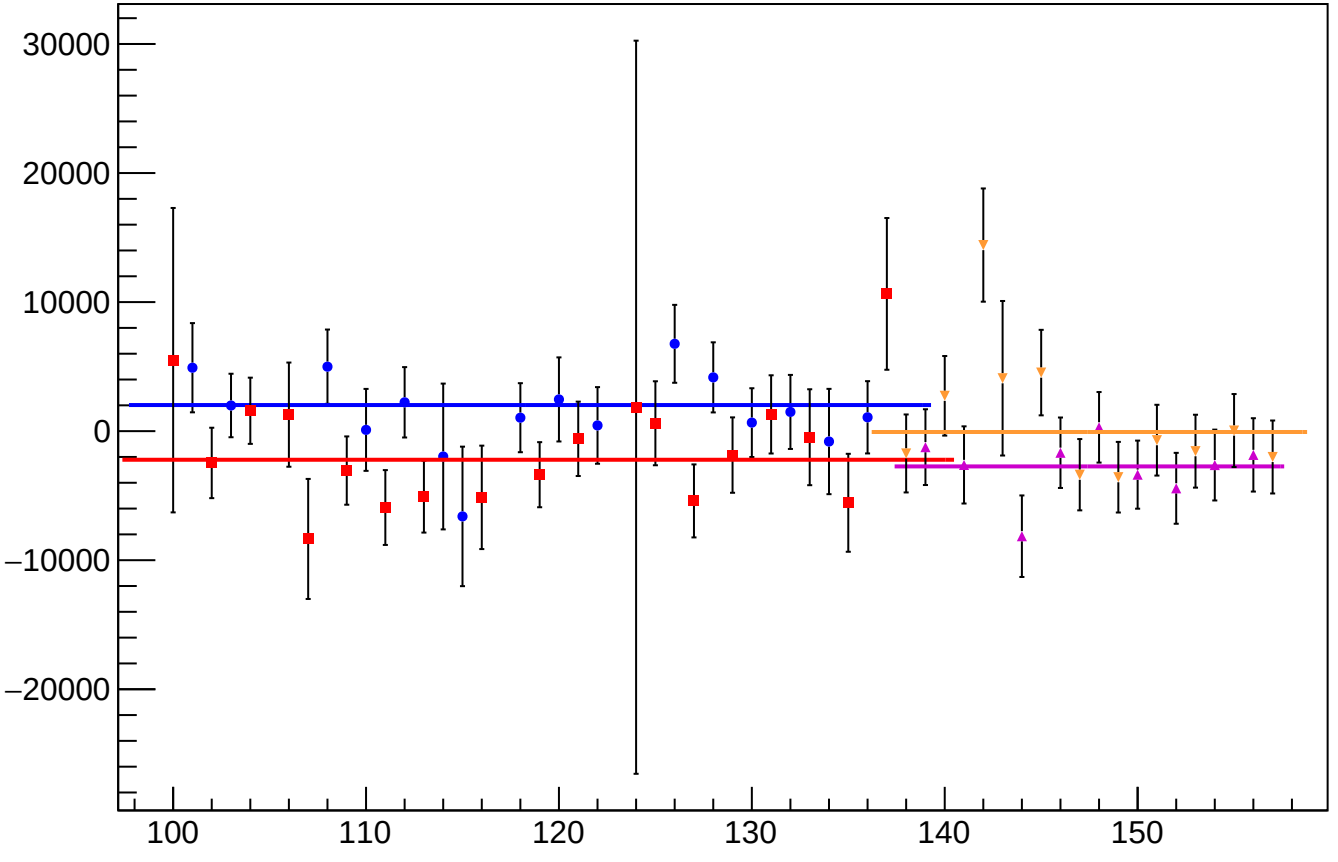
+ sign -0.000+/-0.000 χ^2/NDF: 41.9/26

All: 0.000+/-0.000 χ^2/NDF: 88.8/54

- sign 0.000+/-0.000 χ^2/NDF: 42.8/27


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1694627.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:1097426.7/8
+ sign 0.000+/-0.000 χ²/NDF: 5127537.5/26
All: 0.000+/-0.000 χ²/NDF: 10500182.9/54
- sign 0.000+/-0.000 χ²/NDF: 4835995.1/27

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.707+/-929.027 χ^2/NDF:18.3/10

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

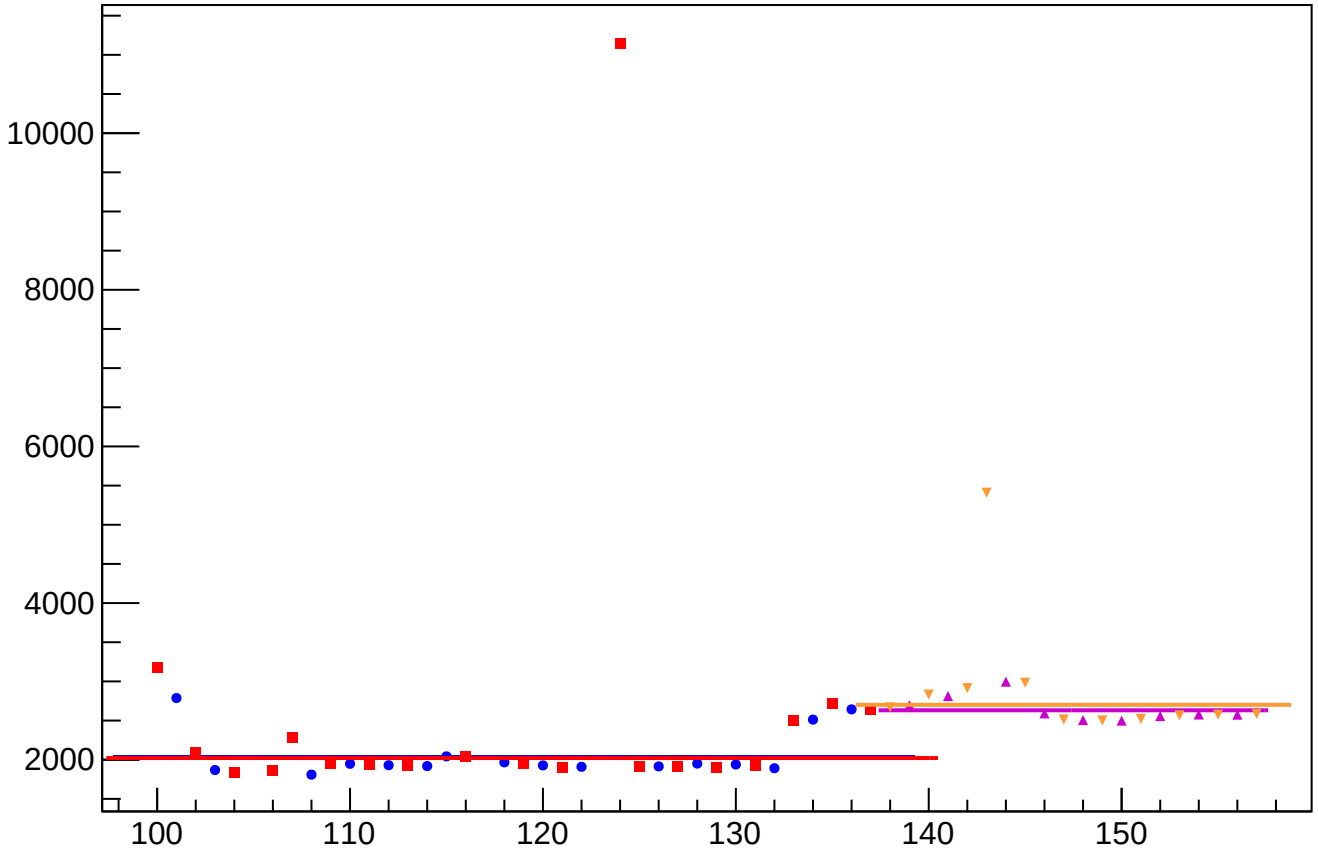
Left In: -2732.828+/-941.143 χ^2/NDF:5.1/8

+ sign 1179.672+/-590.256 χ^2/NDF: 30.9/26

All: -622.349+/-417.092 χ^2/NDF: 73.0/54

- sign -2419.507+/-589.459 χ^2/NDF: 23.4/27

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

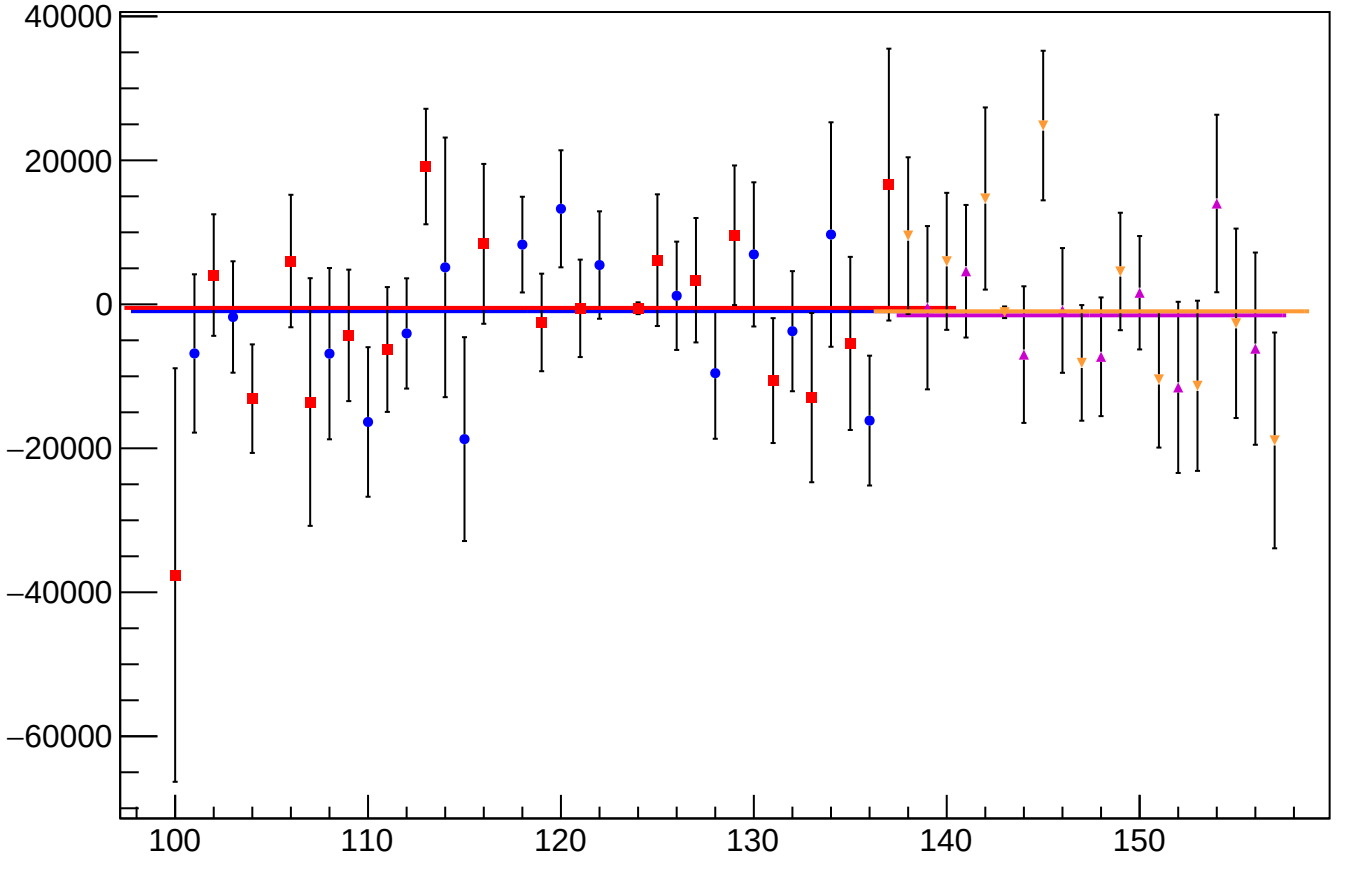
Left In: 2631.038+/-0.665 χ^2/NDF:47751.2/8

+ sign 2303.379+/-0.417 χ^2/NDF: 1350097.9/26

All: 2281.979+/-0.295 χ^2/NDF: 2303173.9/54

- sign 2260.636+/-0.417 χ^2/NDF: 947825.1/27

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -969.498+/-783.498 χ^2/NDF:13.7/10

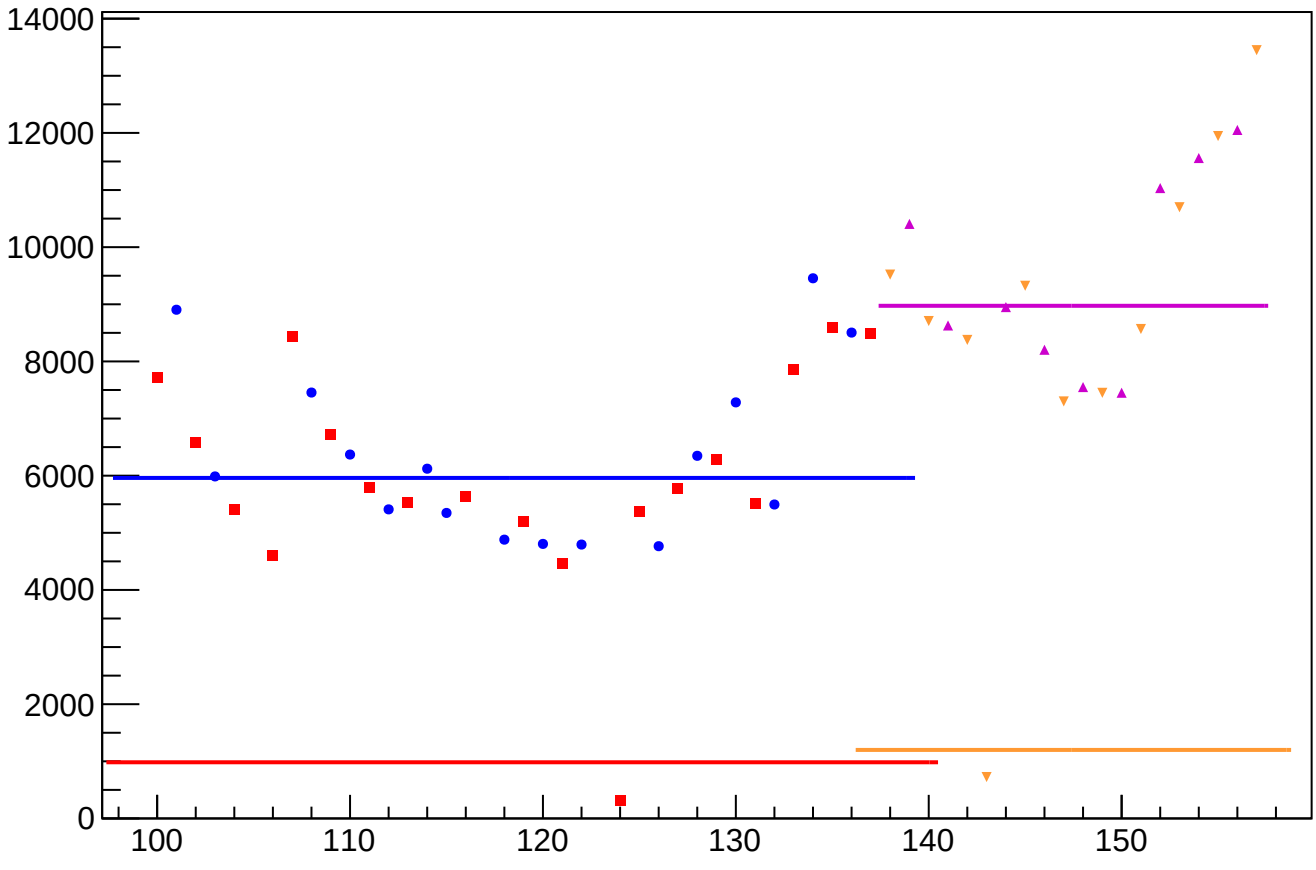
Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: -1527.233+/-3260.041 χ^2/NDF:3.9/8

+ sign -967.491+/-740.918 χ^2/NDF: 29.0/26

All: -761.436+/-526.325 χ^2/NDF: 51.6/54

- sign -551.536+/-747.801 χ^2/NDF: 22.4/27



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1199.651+/-0.554 χ^2/NDF:12474155.2/10

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

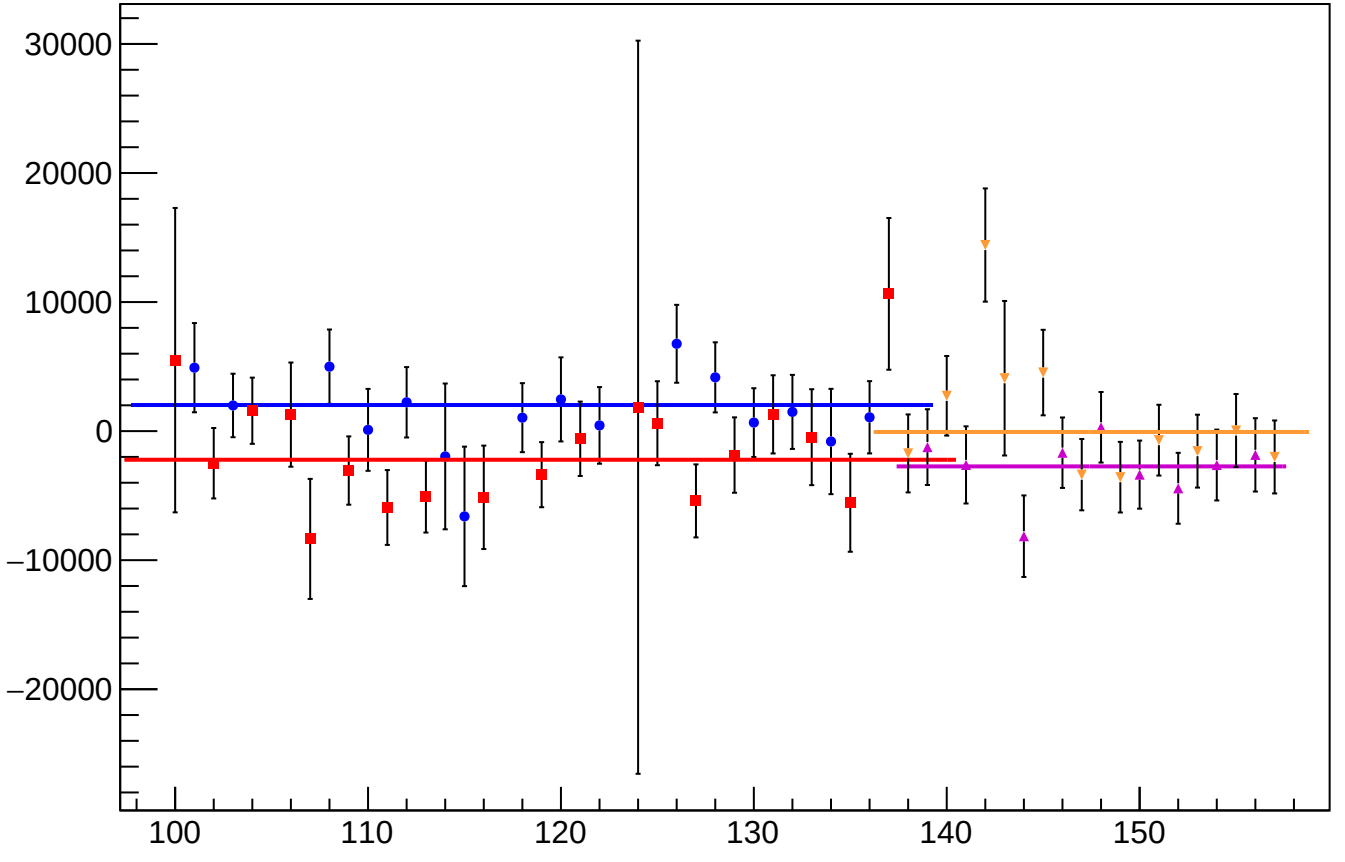
Left In: 8973.730+/-2.305 χ^2/NDF:439146.3/8

+ sign 1703.084+/-0.524 χ^2/NDF: 20972659.9/26

All: 1554.800+/-0.372 χ^2/NDF: 44372979.9/5

- sign 1403.748+/-0.529 χ^2/NDF: 23238606.8/27

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

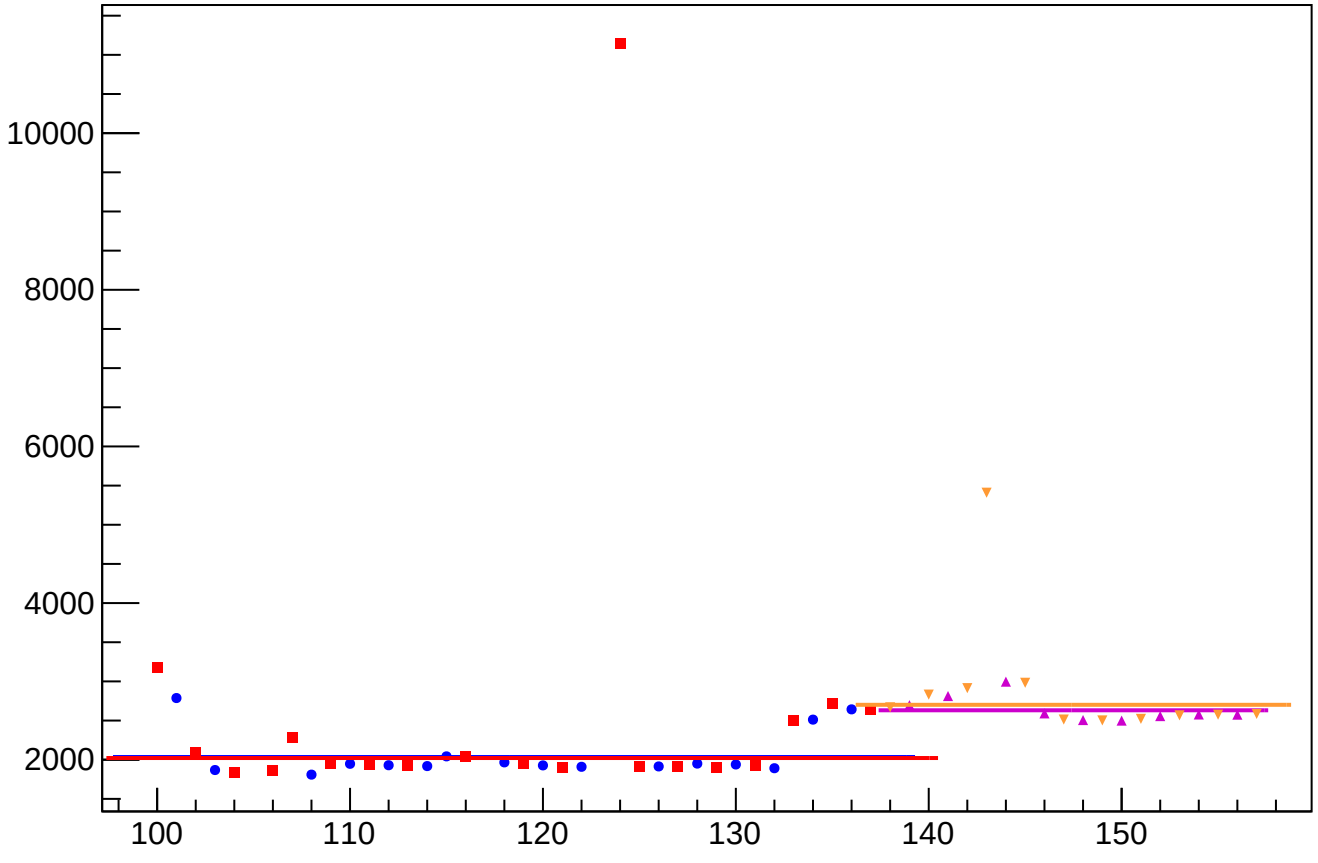
Left In: -2733.016+/-941.143 χ^2/NDF:5.1/8

+ sign 1179.812+/-590.256 χ^2/NDF: 30.9/26

All: -622.865+/-417.093 χ^2/NDF: 73.0/54

- sign -2420.701+/-589.463 χ^2/NDF: 23.4/27

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

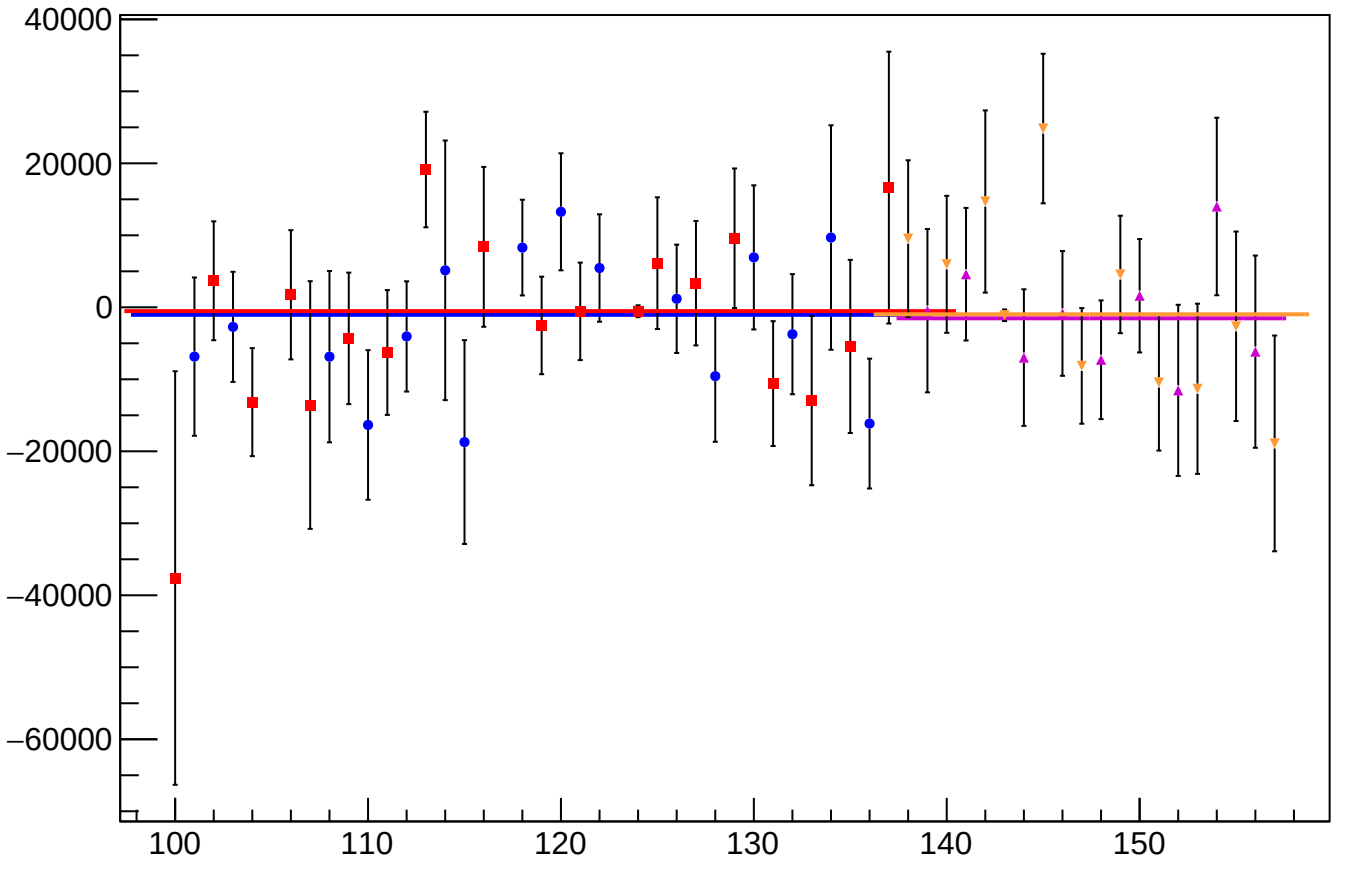
Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2631.038+/-0.665 χ^2/NDF:47751.2/8

+ sign 2303.379+/-0.417 χ^2/NDF: 1350098.0/26

All: 2281.987+/-0.295 χ^2/NDF: 2303141.7/54

- sign 2260.652+/-0.417 χ^2/NDF: 947796.8/27



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -969.274+/-783.426 χ^2/NDF:13.7/10

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

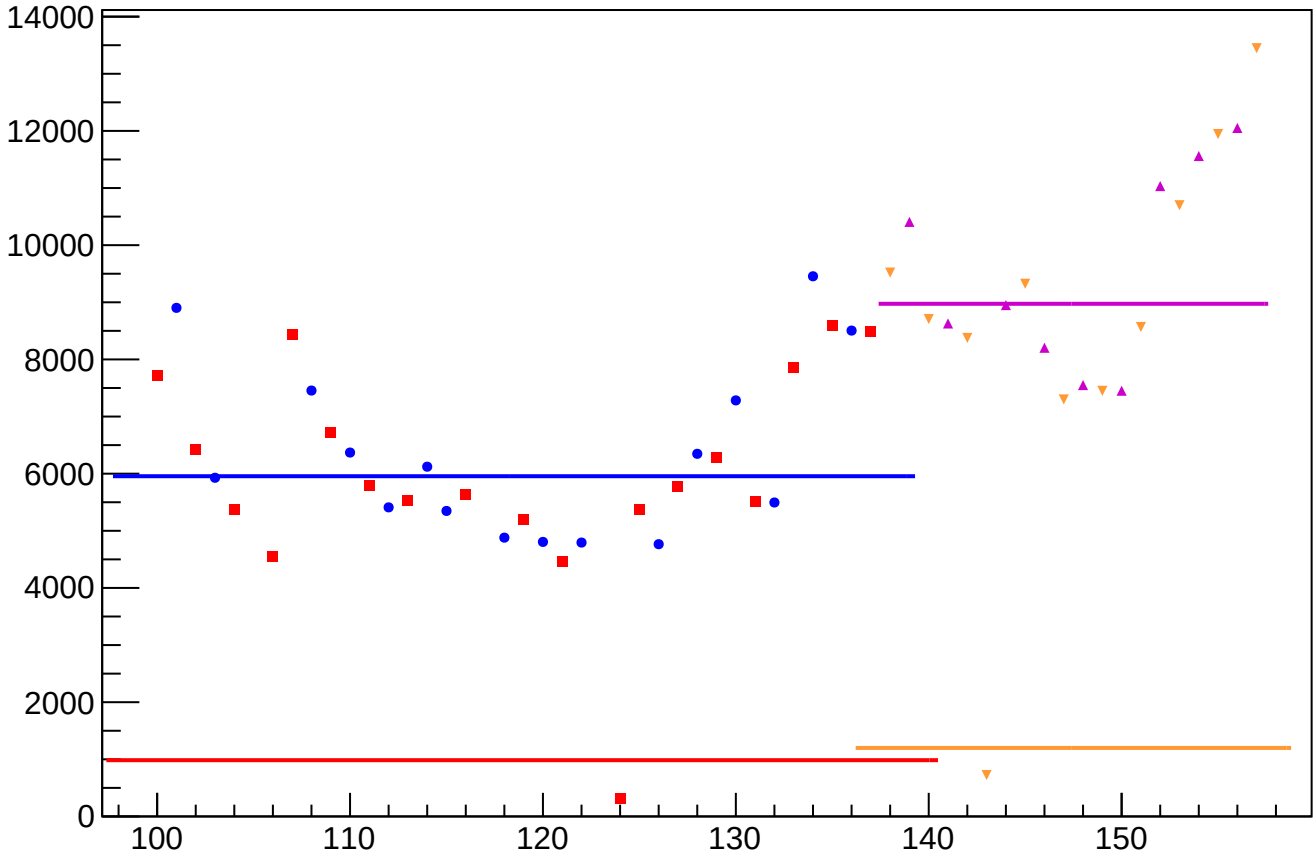
Left In: -1527.423+/-3260.038 χ^2/NDF:3.9/8

+ sign -976.547+/-740.777 χ^2/NDF: 29.0/26

All: -781.580+/-526.165 χ^2/NDF: 51.2/54

- sign -583.064+/-747.488 χ^2/NDF: 22.0/27

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

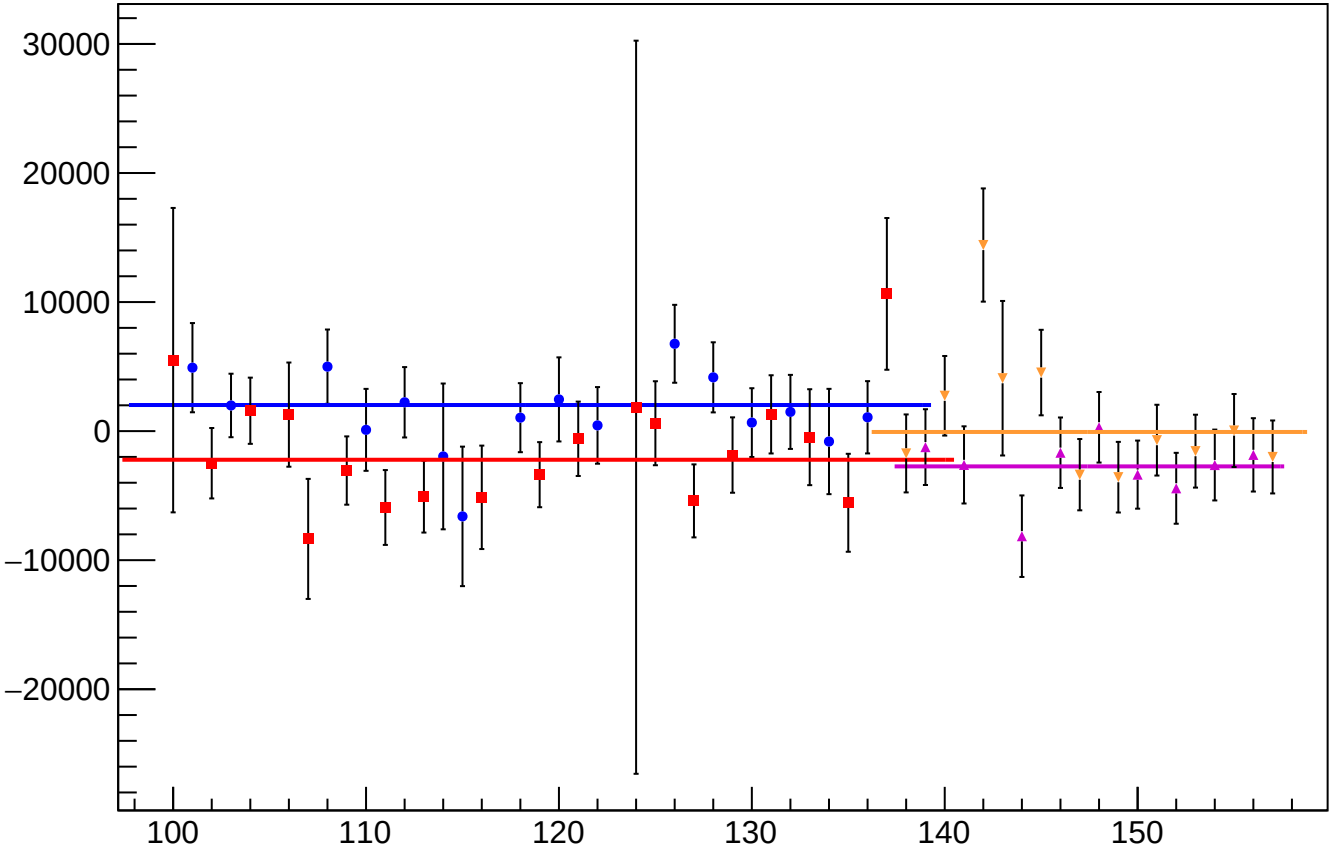
Left In: 8973.720+/-2.305 χ^2/NDF:439149.3/8

+ sign 1703.250+/-0.524 χ^2/NDF: 20970984.7/26

All: 1555.487+/-0.372 χ^2/NDF: 44361950.7/5

- sign 1405.033+/-0.529 χ^2/NDF: 23230362.3/27

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -65.545+/-929.027 χ^2/NDF:18.3/10

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

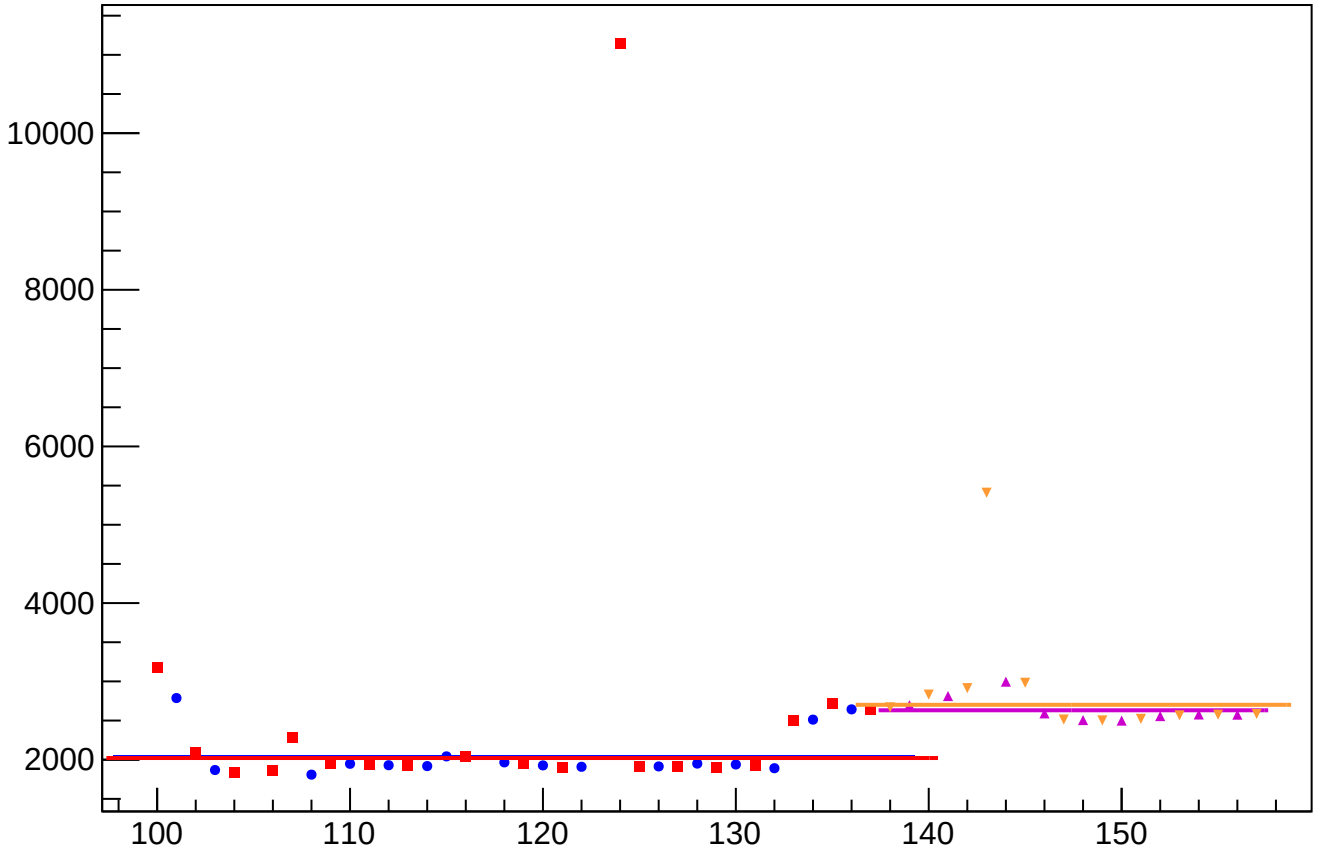
Left In: -2733.016+/-941.143 χ^2/NDF:5.1/8

+ sign 1179.812+/-590.256 χ^2/NDF: 30.9/26

All: -622.865+/-417.093 χ^2/NDF: 73.0/54

- sign -2420.701+/-589.463 χ^2/NDF: 23.4/27

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2701.095+/-0.657 χ^2/NDF:472484.1/10

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

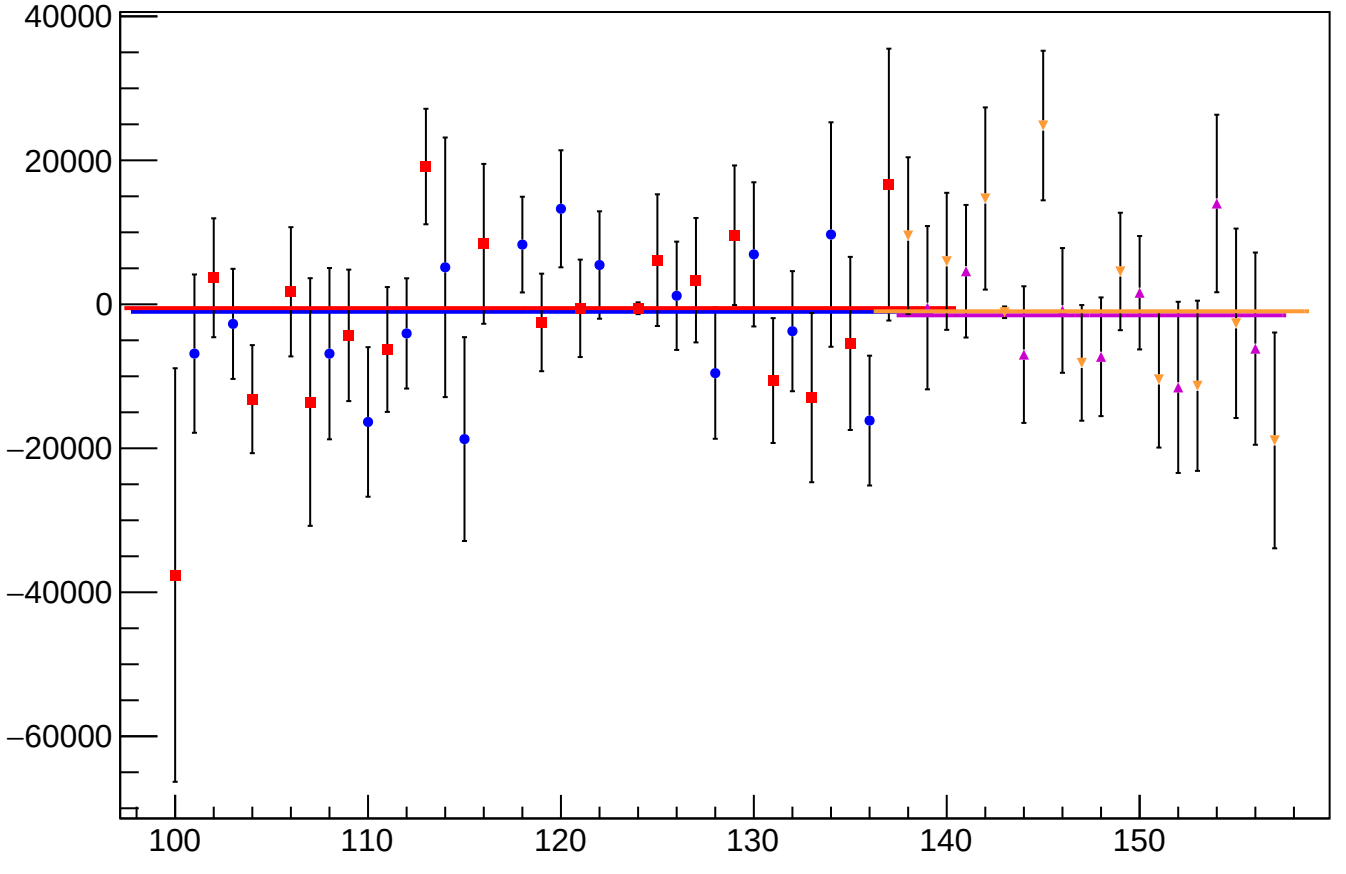
Left In: 2631.038+/-0.665 χ^2/NDF:47751.2/8

+ sign 2303.379+/-0.417 χ^2/NDF: 1350098.0/26

All: 2281.987+/-0.295 χ^2/NDF: 2303141.7/54

- sign 2260.652+/-0.417 χ^2/NDF: 947796.8/27

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -969.274+/-783.426 χ^2/NDF:13.7/10

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

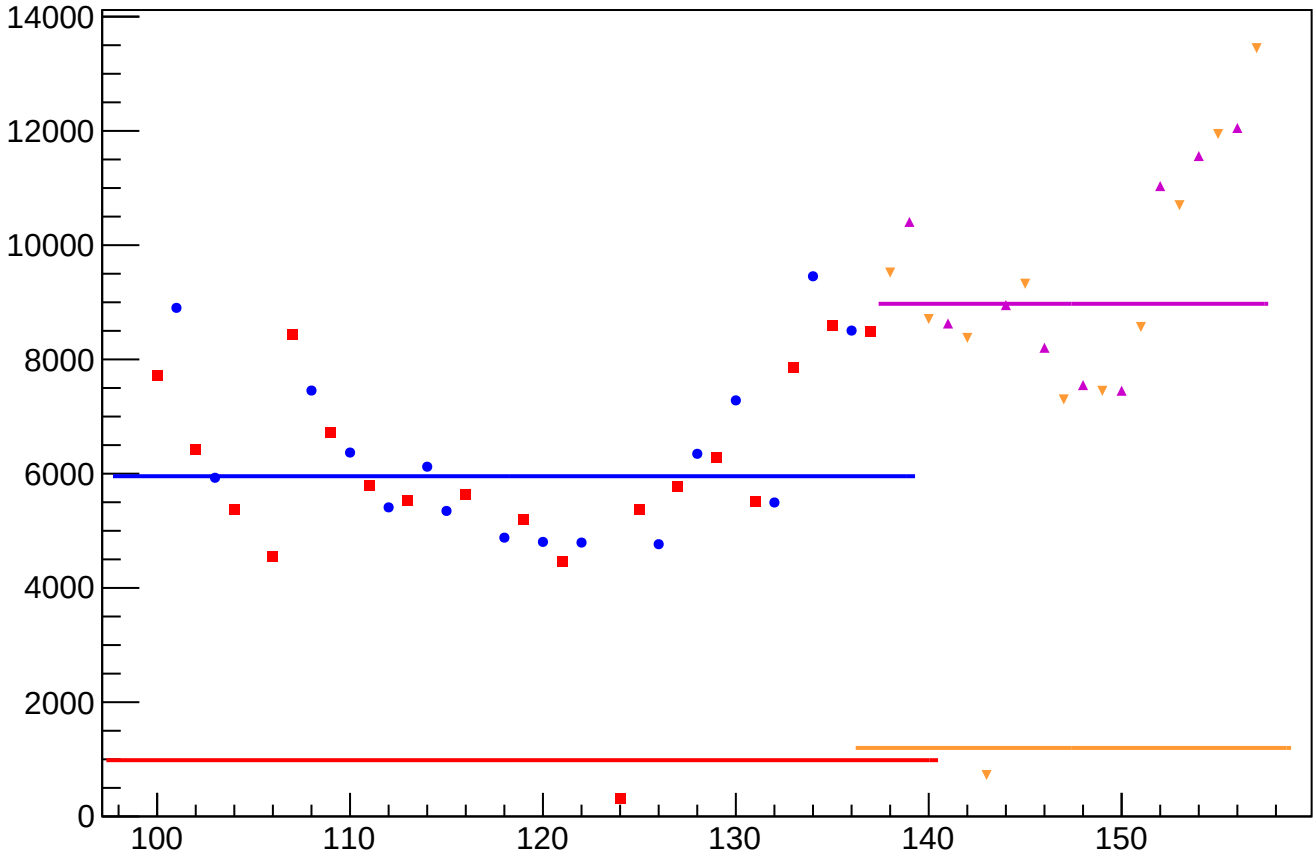
Left In: -1527.423+/-3260.038 χ^2/NDF:3.9/8

+ sign -976.547+/-740.777 χ^2/NDF: 29.0/26

All: -781.580+/-526.165 χ^2/NDF: 51.2/54

- sign -583.064+/-747.488 χ^2/NDF: 22.0/27

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1199.499+/-0.554 χ^2/NDF:12474486.6/10

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

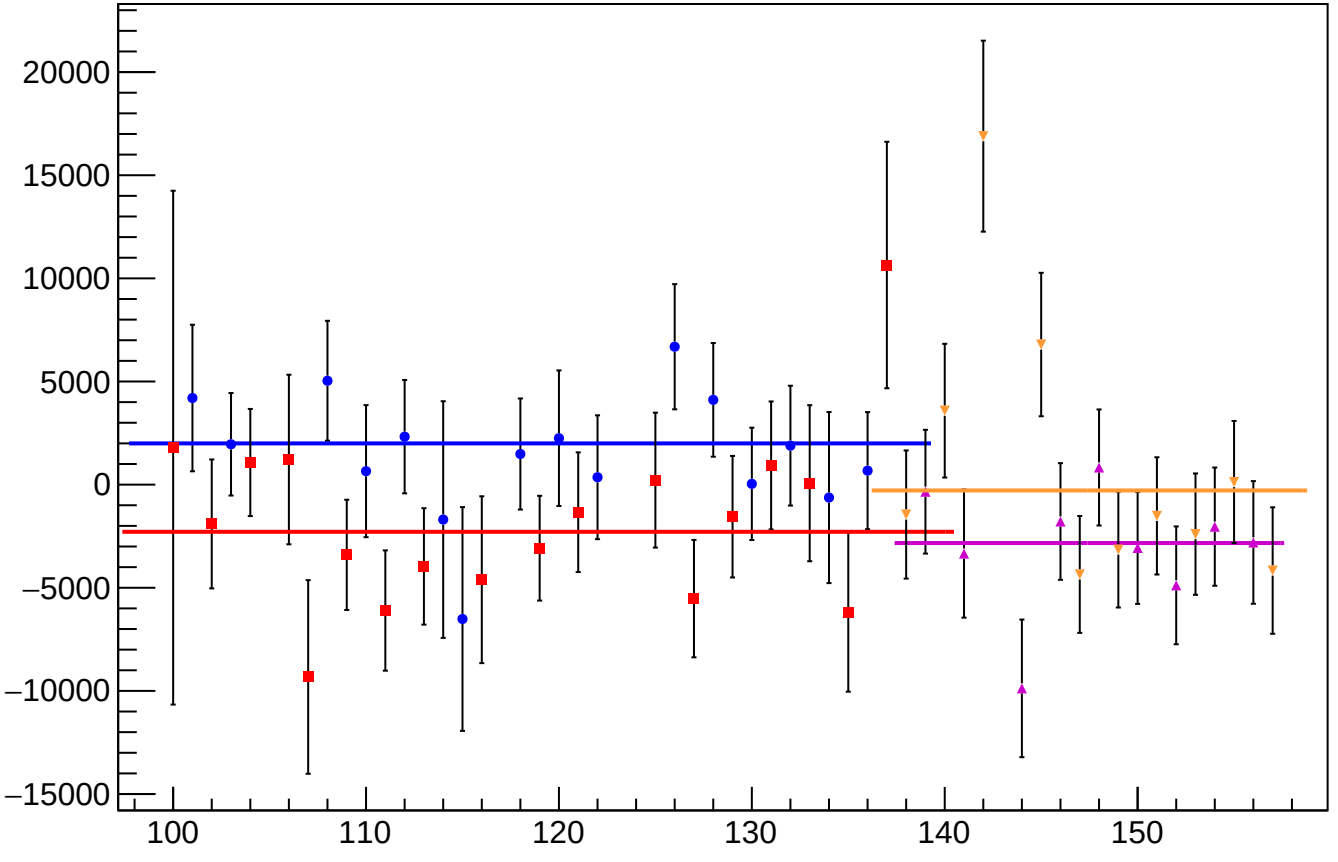
Left In: 8973.720+/-2.305 χ^2/NDF:439149.3/8

+ sign 1703.250+/-0.524 χ^2/NDF: 20970984.7/26

All: 1555.487+/-0.372 χ^2/NDF: 44361950.7/5

- sign 1405.033+/-0.529 χ^2/NDF: 23230362.3/27

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -282.186+/-981.022 χ^2/NDF:24.9/9

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

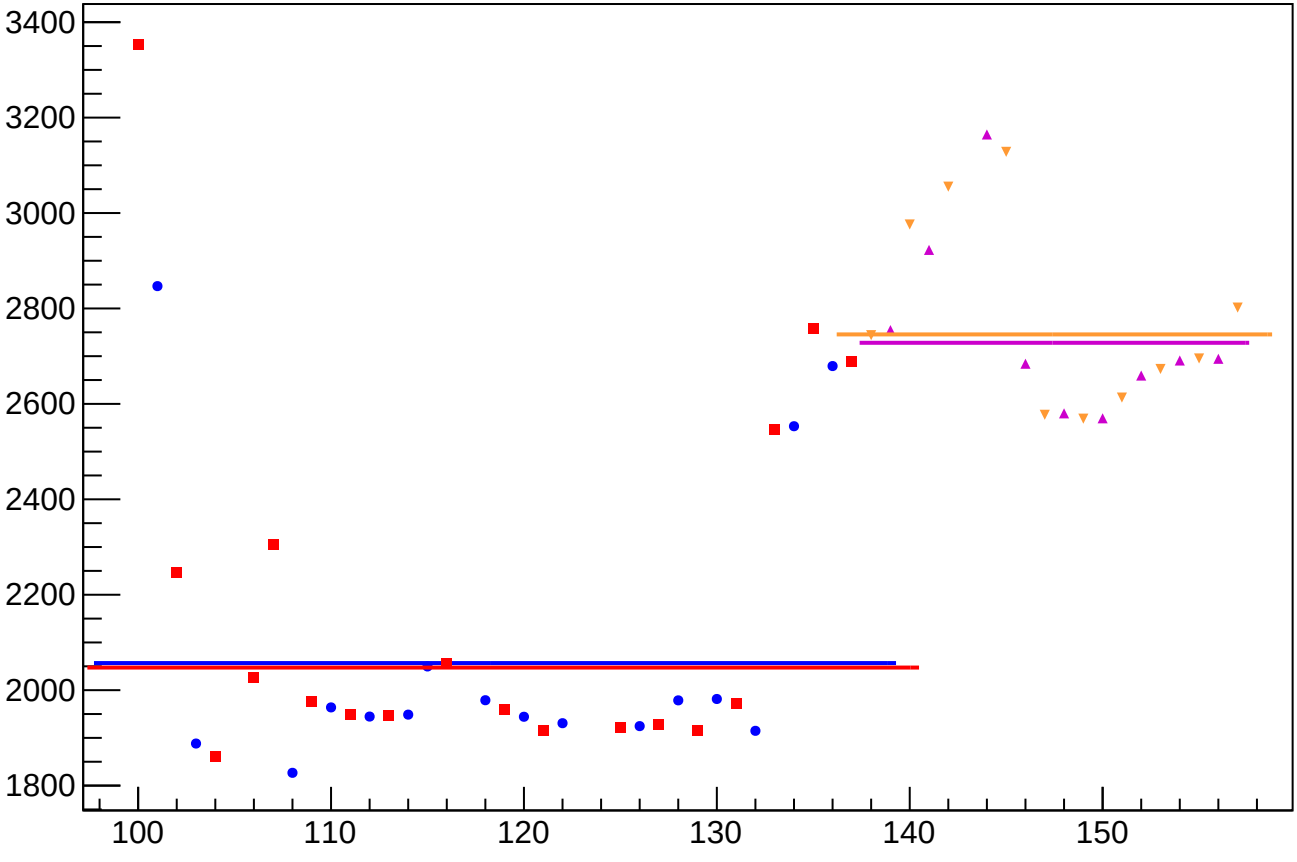
Left In: -2831.056+/-976.228 χ^2/NDF:7.6/8

+ sign 1124.578+/-607.423 χ^2/NDF: 37.2/25

All: -692.054+/-428.725 χ^2/NDF: 79.5/52

- sign -2495.415+/-605.200 χ^2/NDF: 24.5/26

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.616+/-0.694 χ^2/NDF:65040.4/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

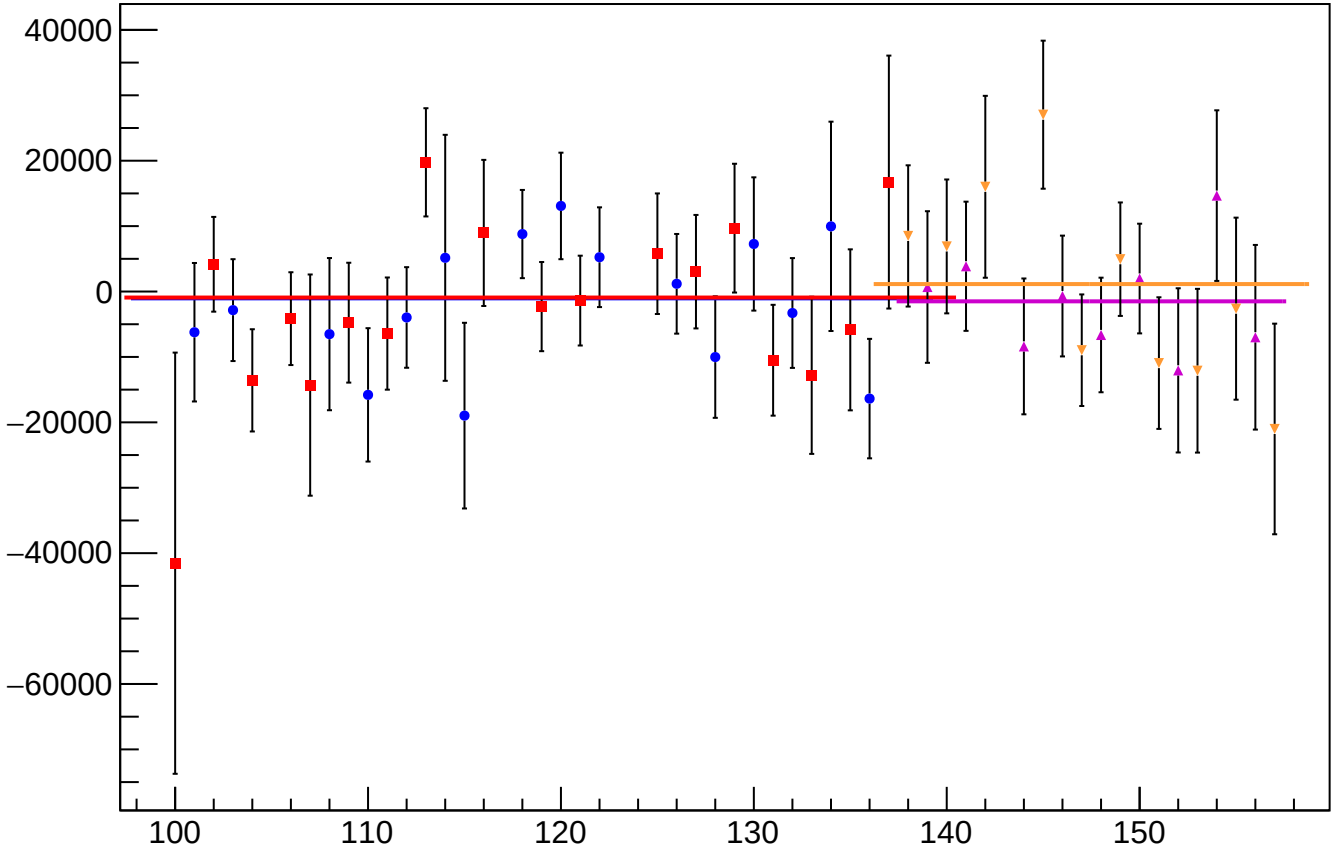
Left In: 2728.039+/-0.690 χ^2/NDF:56837.7/8

+ sign 2320.873+/-0.430 χ^2/NDF: 943496.5/25

All: 2314.657+/-0.303 χ^2/NDF: 1796537.7/52

- sign 2308.499+/-0.428 χ^2/NDF: 852624.3/26

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 1139.824+/-3462.267 χ^2/NDF:13.3/9

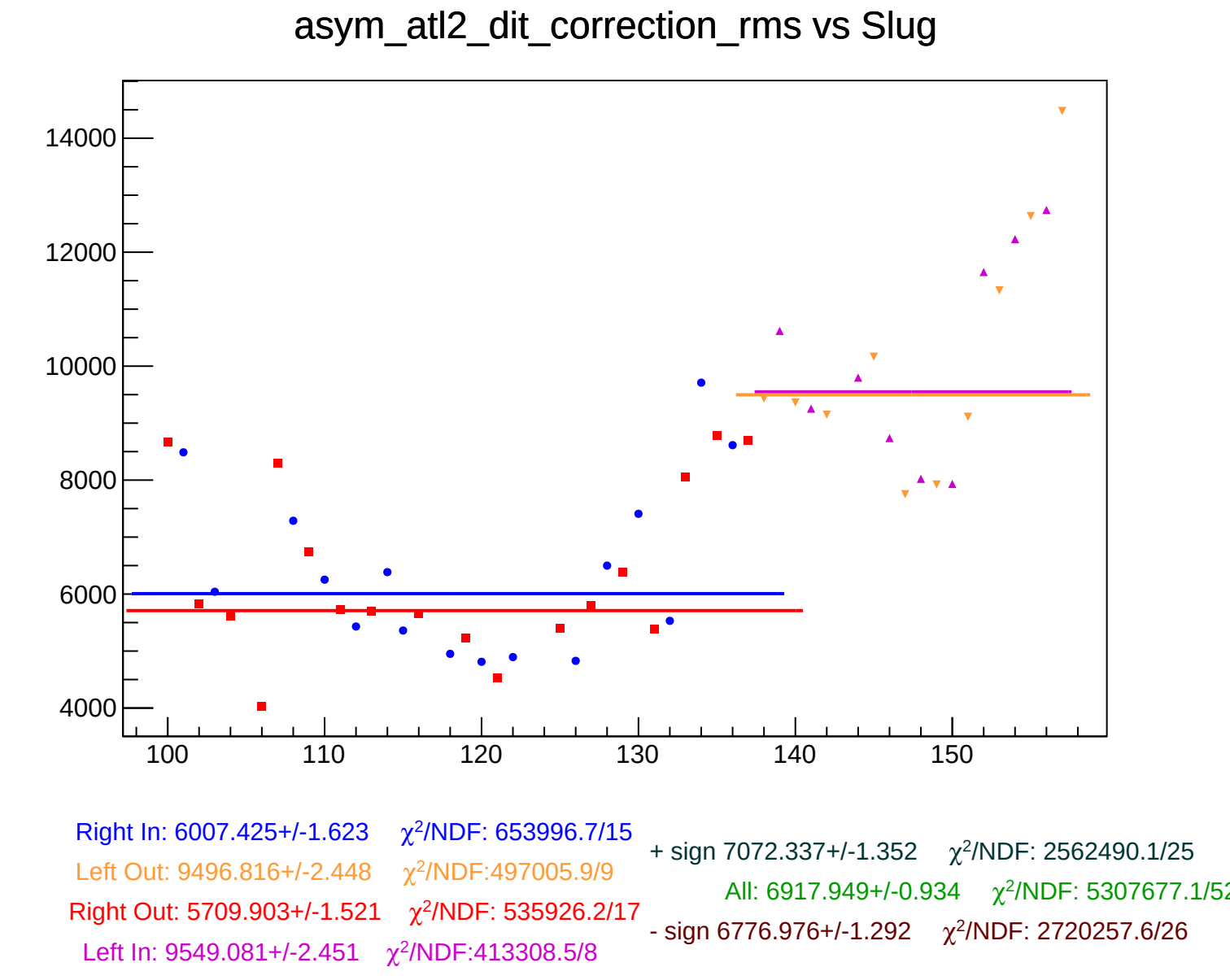
Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: -1500.159+/-3466.785 χ^2/NDF:3.7/8

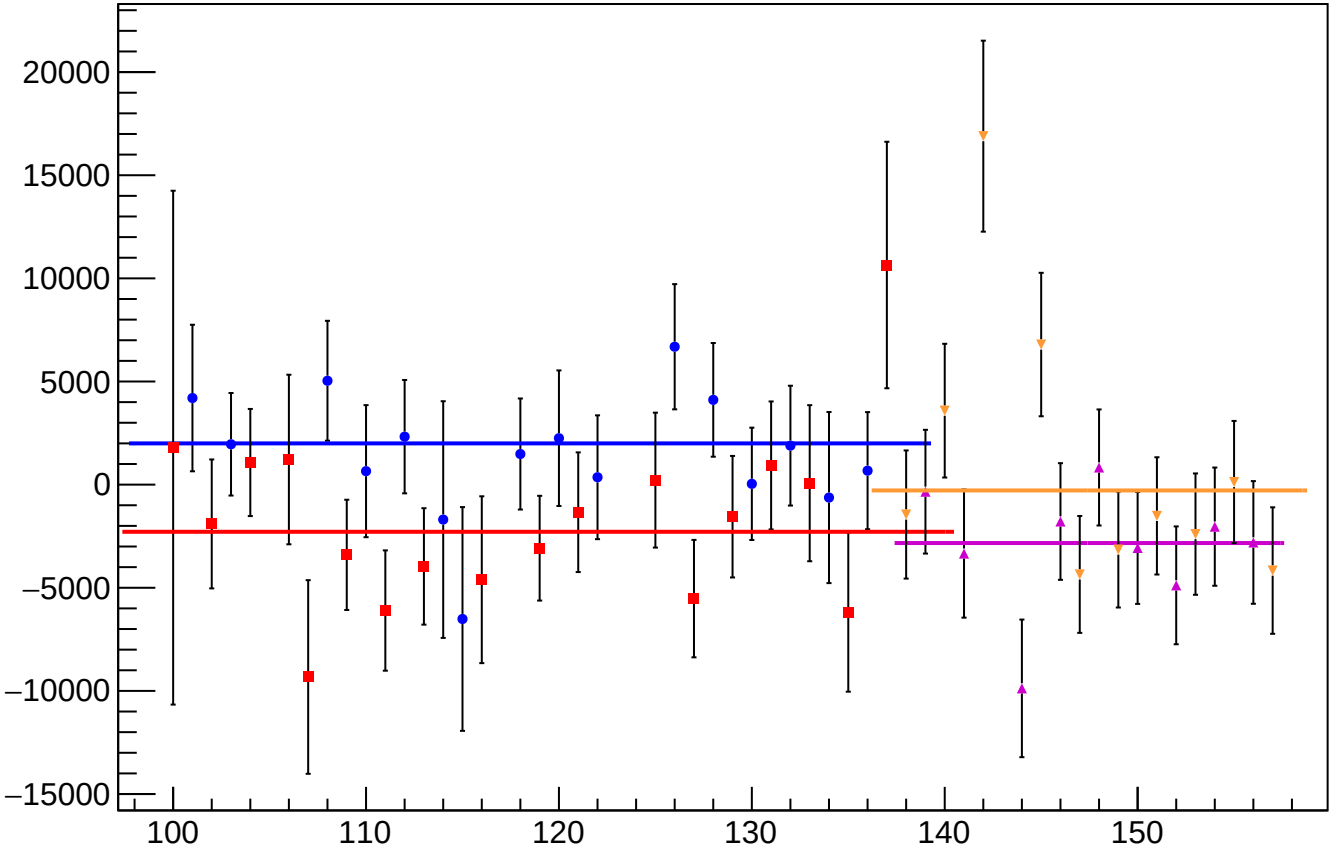
+ sign -376.496+/-1912.681 χ^2/NDF: 28.9/25

All: -744.750+/-1321.401 χ^2/NDF: 51.0/52

- sign -1081.008+/-1827.700 χ^2/NDF: 22.1/26


asym_atl2_dit_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9496.816+/-2.448 χ²/NDF:497005.9/9
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9549.081+/-2.451 χ²/NDF:413308.5/8
+ sign 7072.337+/-1.352 χ²/NDF: 2562490.1/25
All: 6917.949+/-0.934 χ²/NDF: 5307677.1/52
- sign 6776.976+/-1.292 χ²/NDF: 2720257.6/26

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -282.184+/-981.023 χ^2/NDF:24.9/9

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

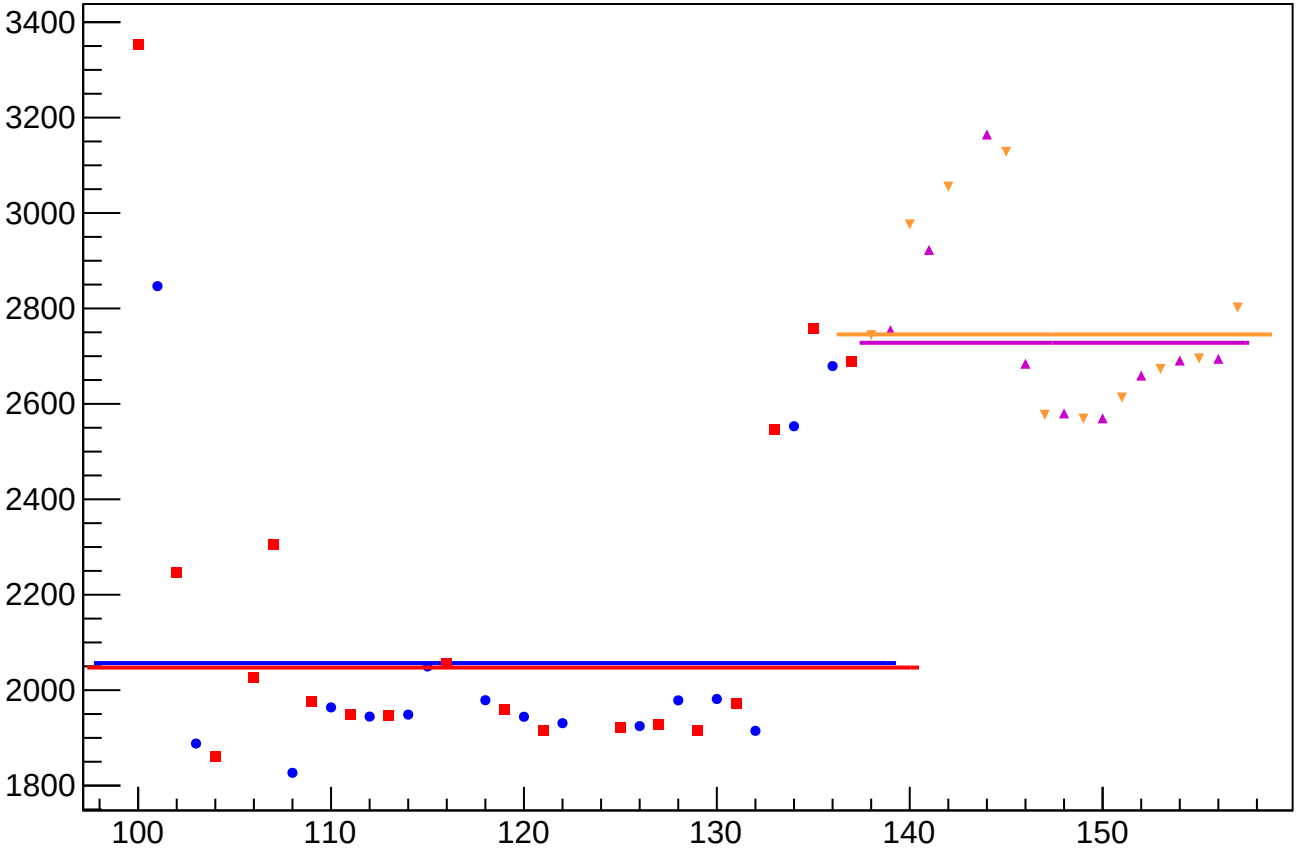
Left In: -2831.057+/-976.229 χ^2/NDF:7.6/8

+ sign 1124.583+/-607.424 χ^2/NDF: 37.2/25

All: -692.053+/-428.725 χ^2/NDF: 79.5/52

- sign -2495.418+/-605.201 χ^2/NDF: 24.5/26

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.619+/-0.694 χ^2/NDF:65041.7/9

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

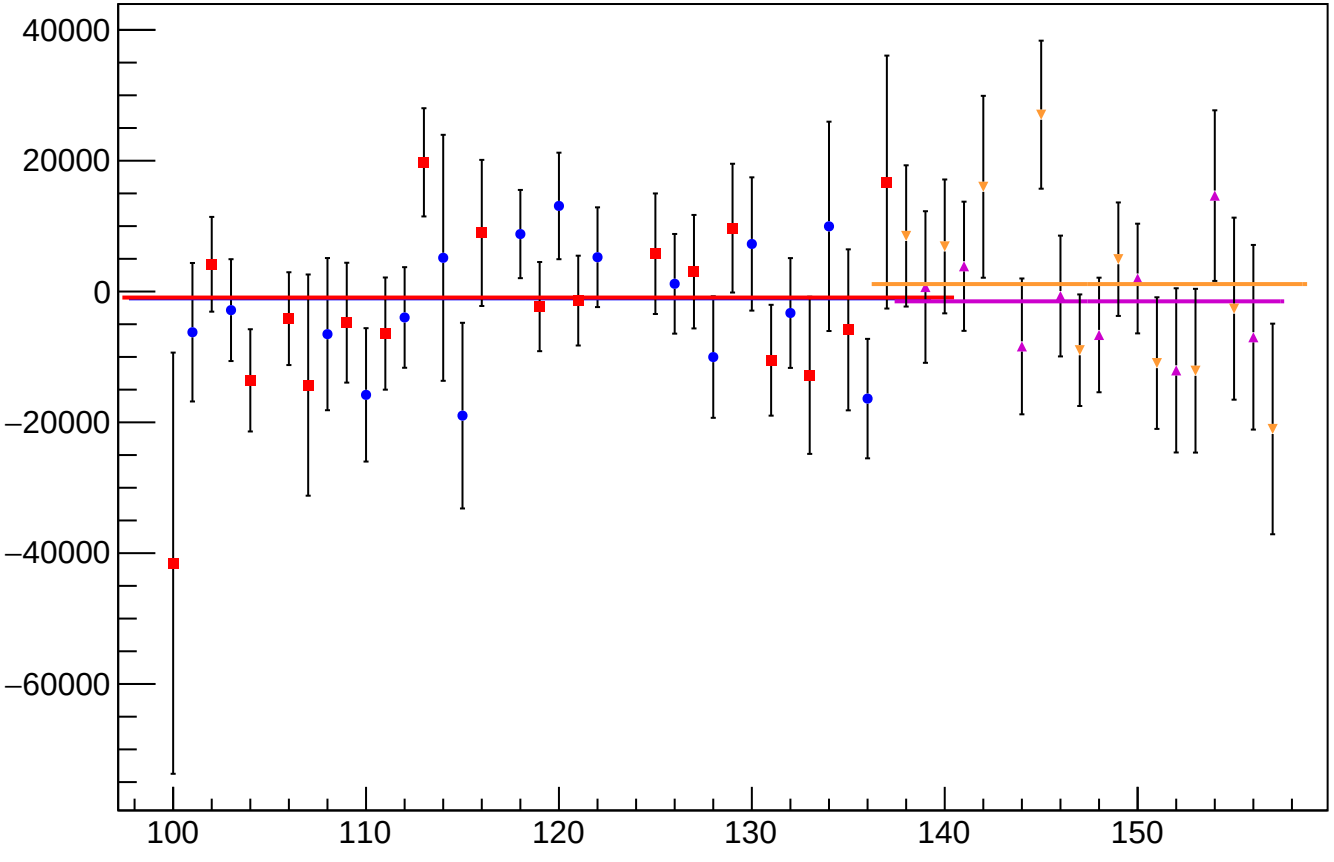
Left In: 2728.042+/-0.690 χ^2/NDF:56838.3/8

+ sign 2320.874+/-0.430 χ^2/NDF: 943501.8/25

All: 2314.658+/-0.303 χ^2/NDF: 1796548.3/52

- sign 2308.499+/-0.428 χ^2/NDF: 852629.6/26

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 1139.818+/-3462.272 χ^2/NDF:13.3/9

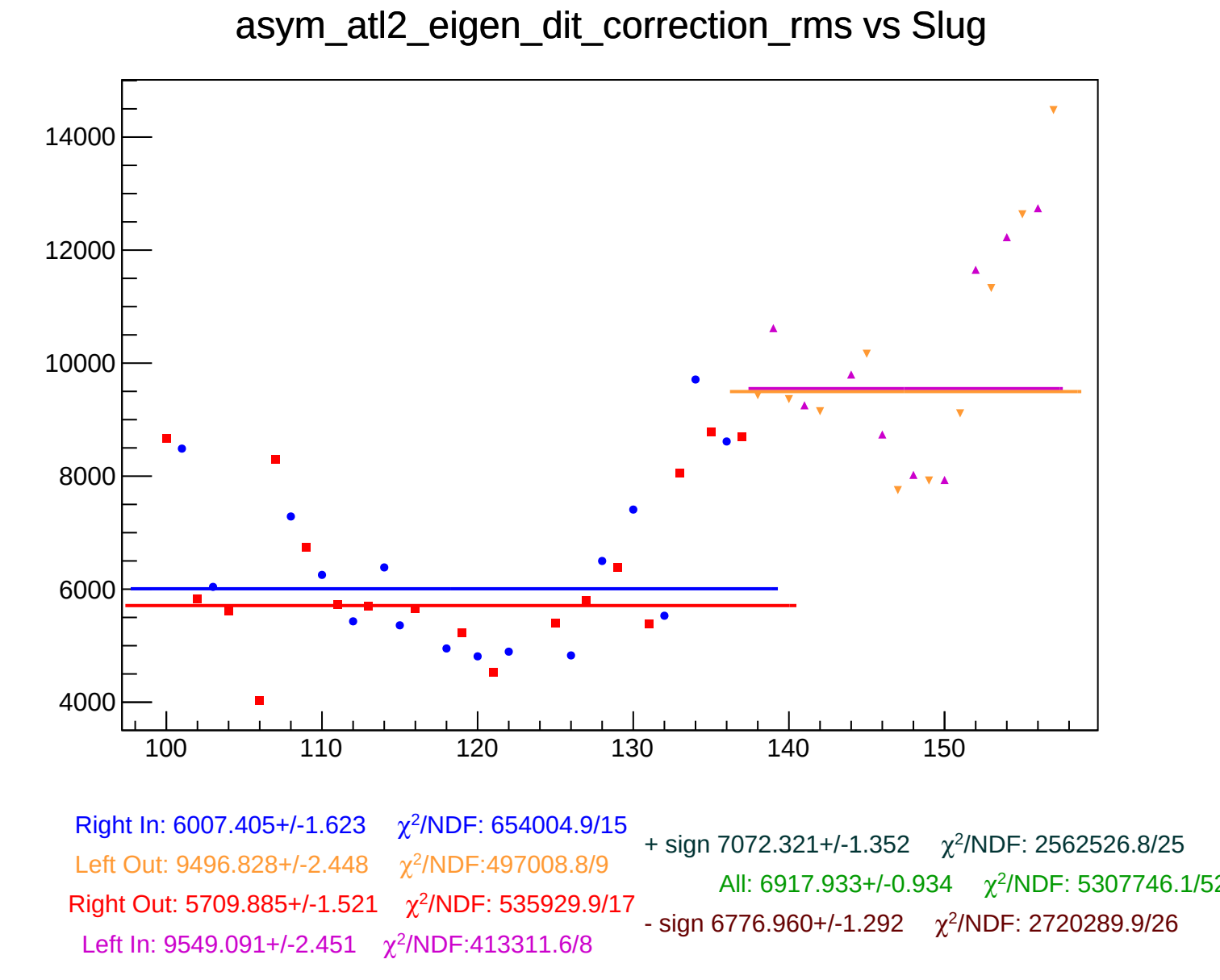
Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: -1500.161+/-3466.789 χ^2/NDF:3.7/8

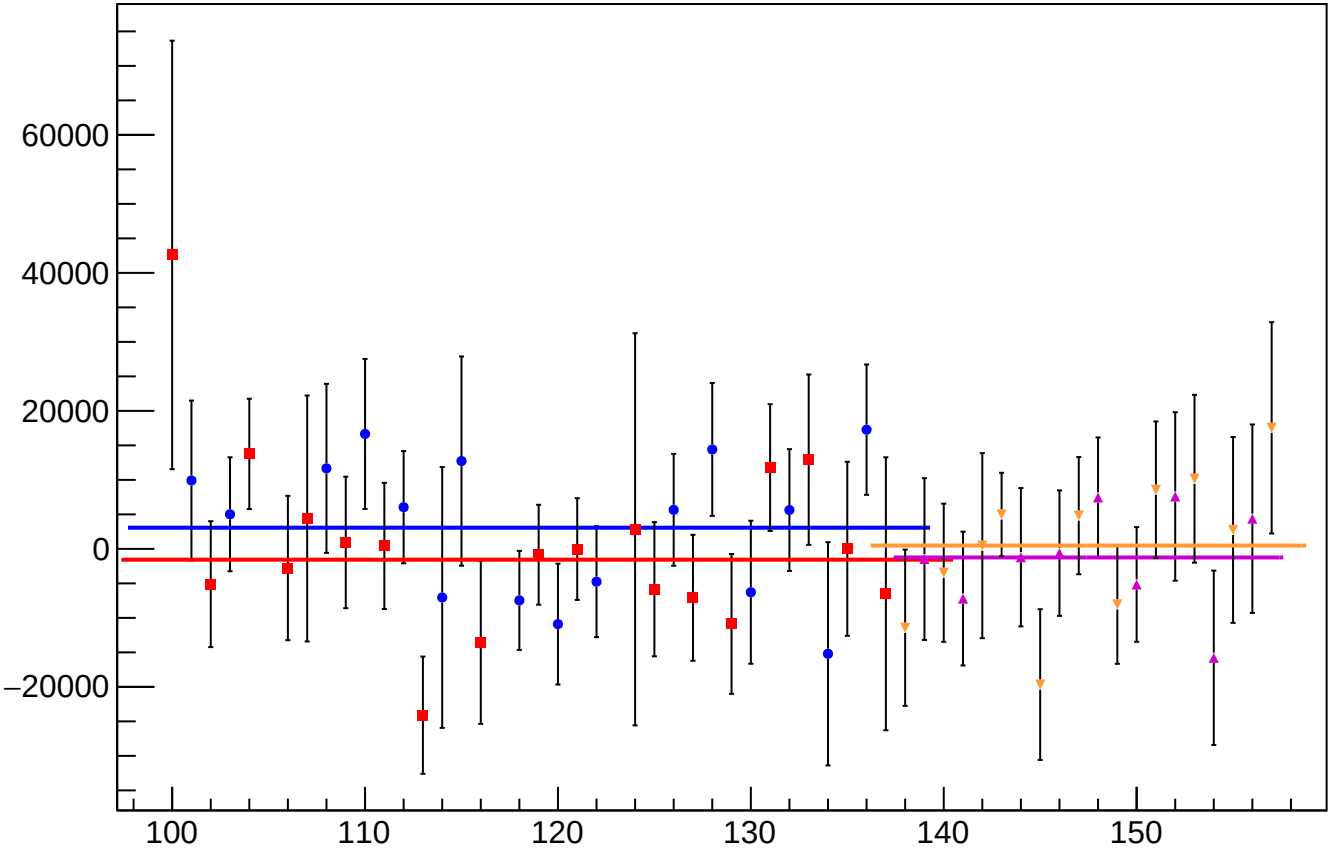
+ sign -376.494+/-1912.678 χ^2/NDF: 28.9/25

All: -744.751+/-1321.399 χ^2/NDF: 51.0/52

- sign -1081.010+/-1827.697 χ^2/NDF: 22.1/26


asym_atl2_eigen_dit_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9496.828+/-2.448 χ²/NDF:497008.8/9
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9549.091+/-2.451 χ²/NDF:413311.6/8
+ sign 7072.321+/-1.352 χ²/NDF: 2562526.8/25
All: 6917.933+/-0.934 χ²/NDF: 5307746.1/52
- sign 6776.960+/-1.292 χ²/NDF: 2720289.9/26

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 485.722+/-2972.533 χ^2/NDF:9.0/10

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

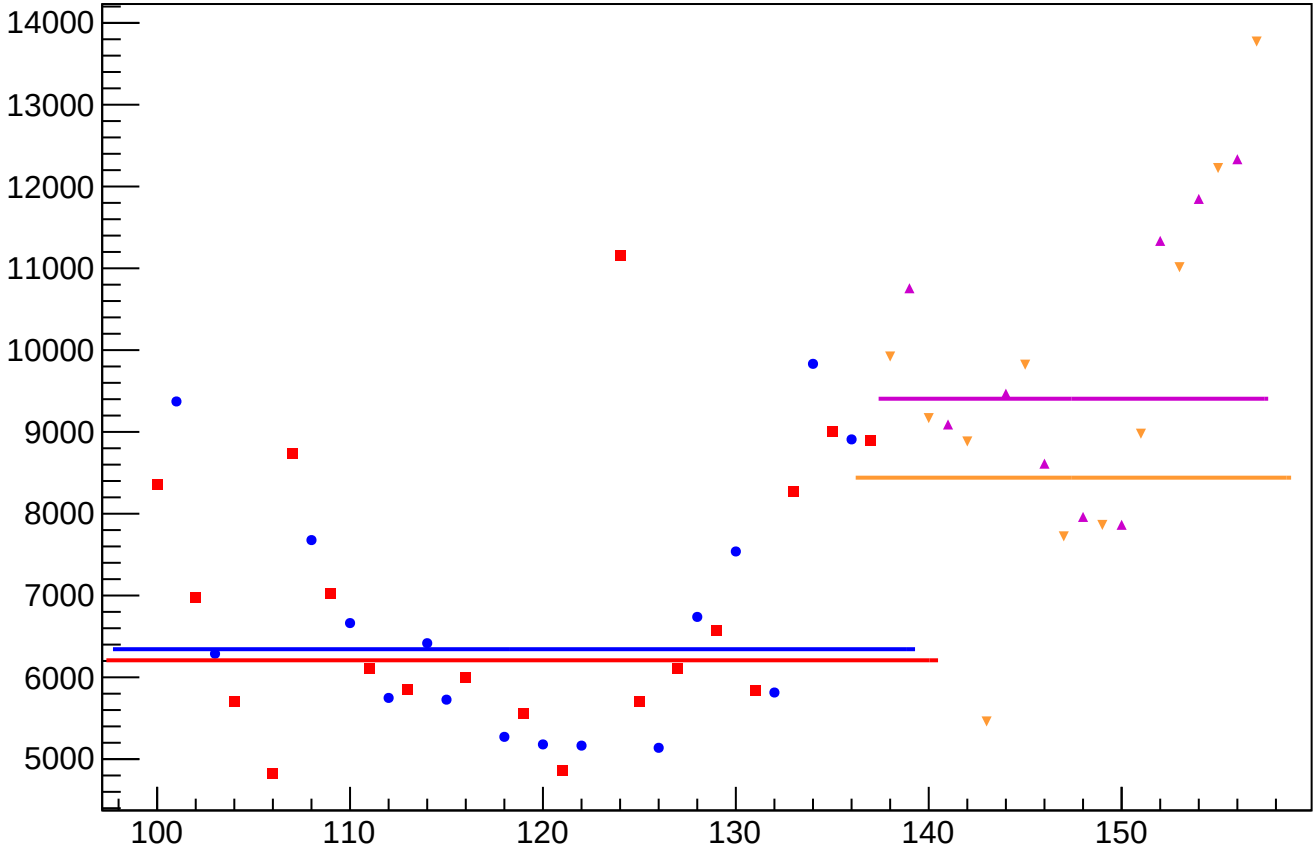
Left In: -1244.624+/-3409.381 χ^2/NDF:3.6/8

+ sign 2039.709+/-1877.043 χ^2/NDF: 24.3/26

All: 333.816+/-1344.582 χ^2/NDF: 48.9/54

- sign -1464.075+/-1926.992 χ^2/NDF: 22.8/27

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8440.622+/-2.102 χ^2/NDF:1084387.9/10

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

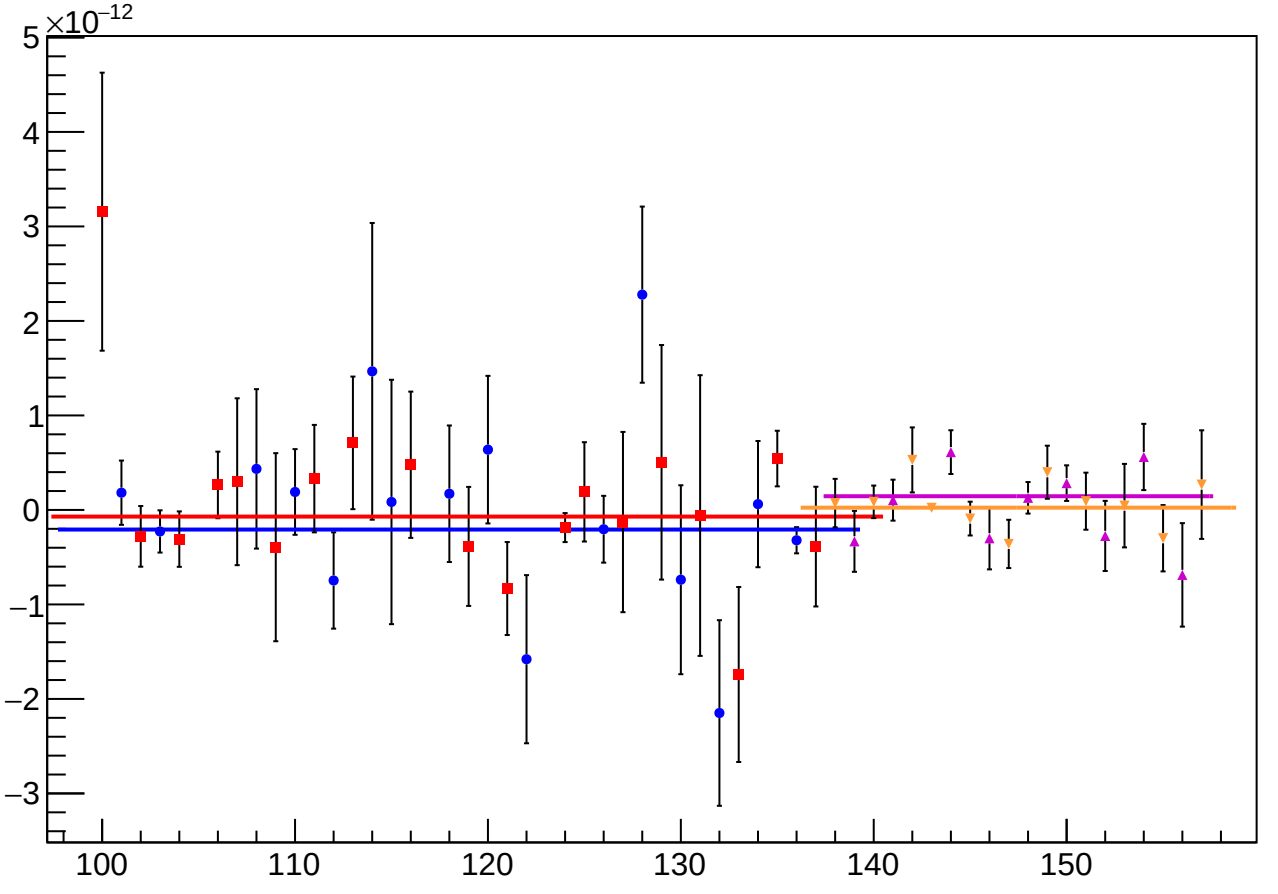
Left In: 9405.692+/-2.411 χ^2/NDF:384671.4/8

+ sign 7179.893+/-1.327 χ^2/NDF: 2303985.3/26

All: 7204.084+/-0.951 χ^2/NDF: 4358425.4/54

- sign 7229.580+/-1.363 χ^2/NDF: 2053757.8/27

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/10

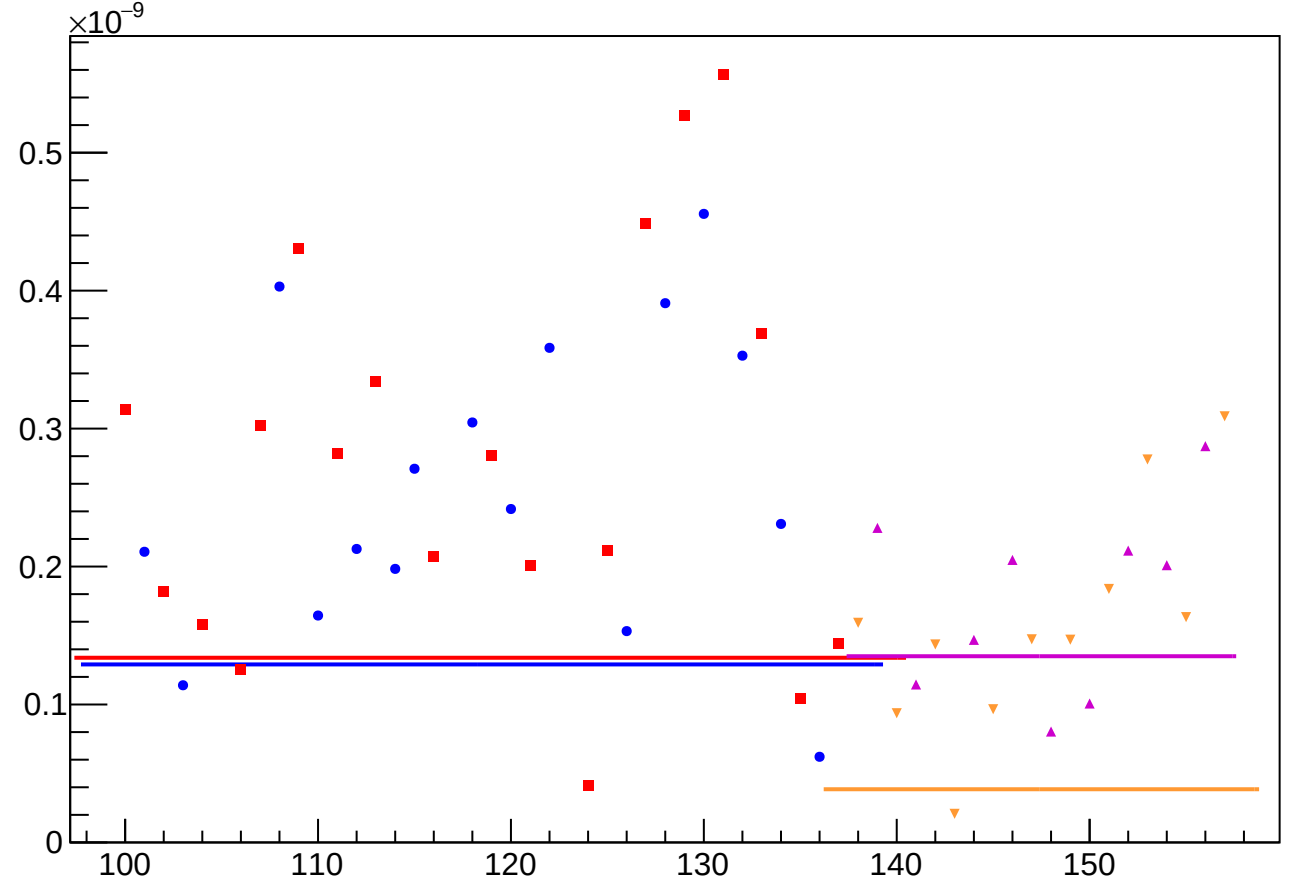
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 34.1/26

All: 0.000+/-0.000 χ^2/NDF: 72.0/54

- sign 0.000+/-0.000 χ^2/NDF: 37.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3949475.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

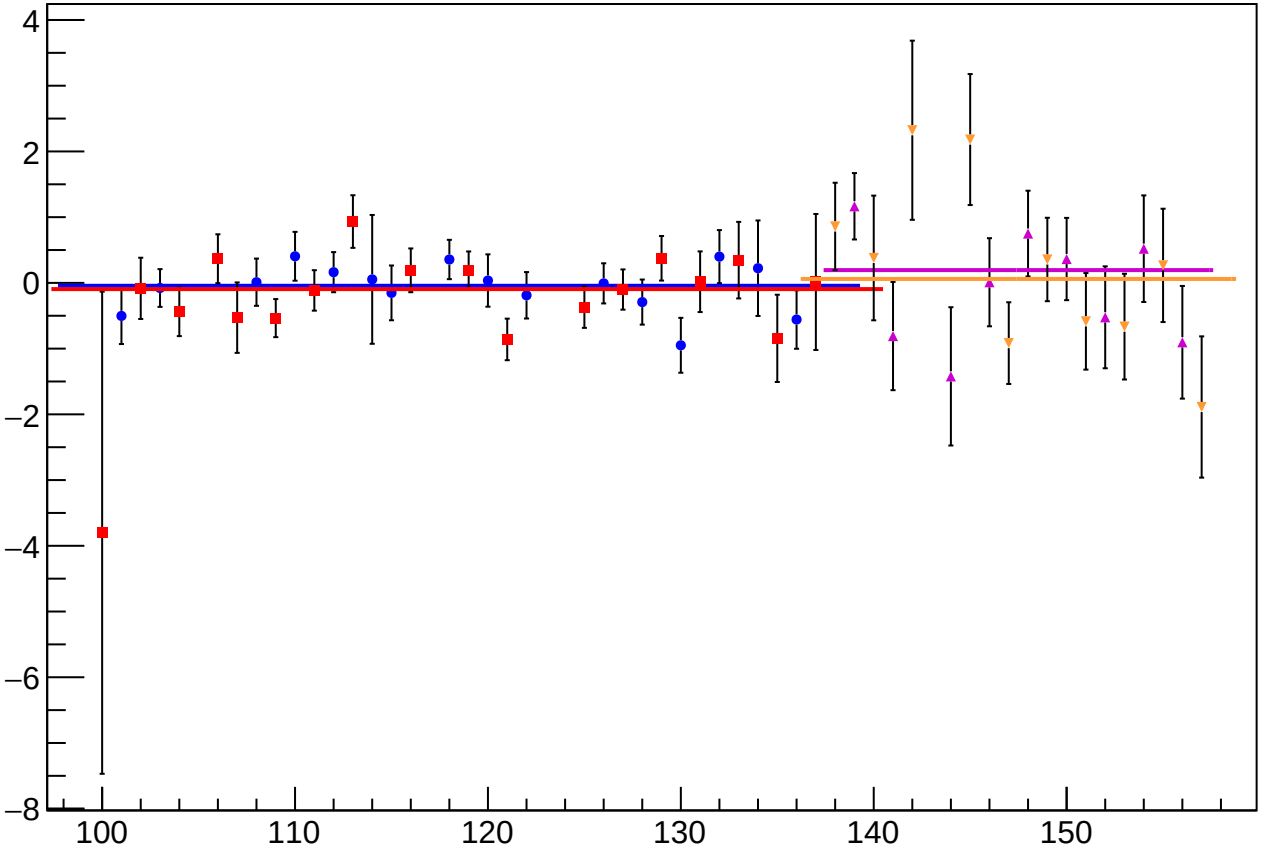
Left In: 0.000+/-0.000 χ^2/NDF:870078.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 7283180.6/26

All: 0.000+/-0.000 χ^2/NDF: 13476222.7/54

- sign 0.000+/-0.000 χ^2/NDF: 3174718.5/27

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

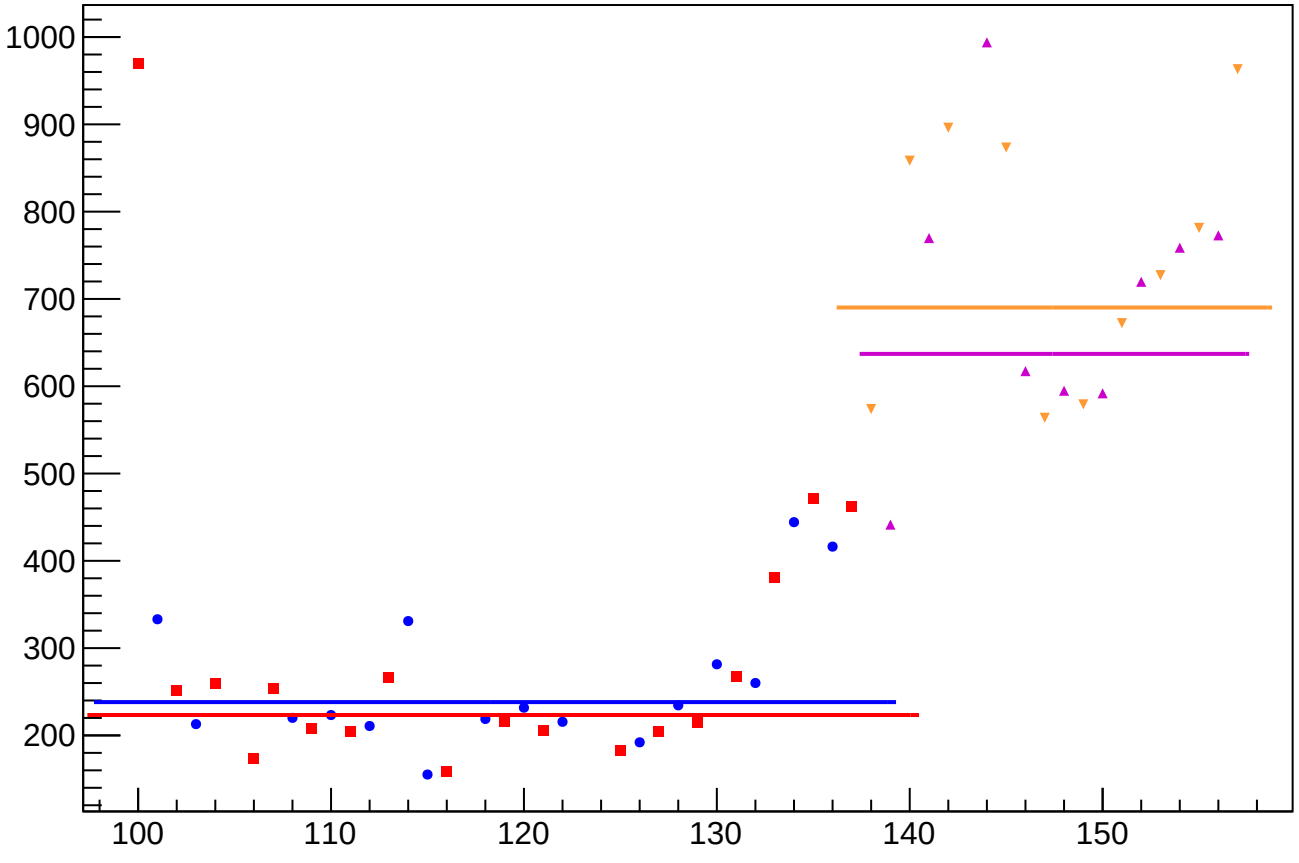
Left In: 0.195+/-0.236 χ^2/NDF:11.1/8

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.045+/-0.061 χ^2/NDF: 67.4/52

- sign -0.058+/-0.084 χ^2/NDF: 37.7/26

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

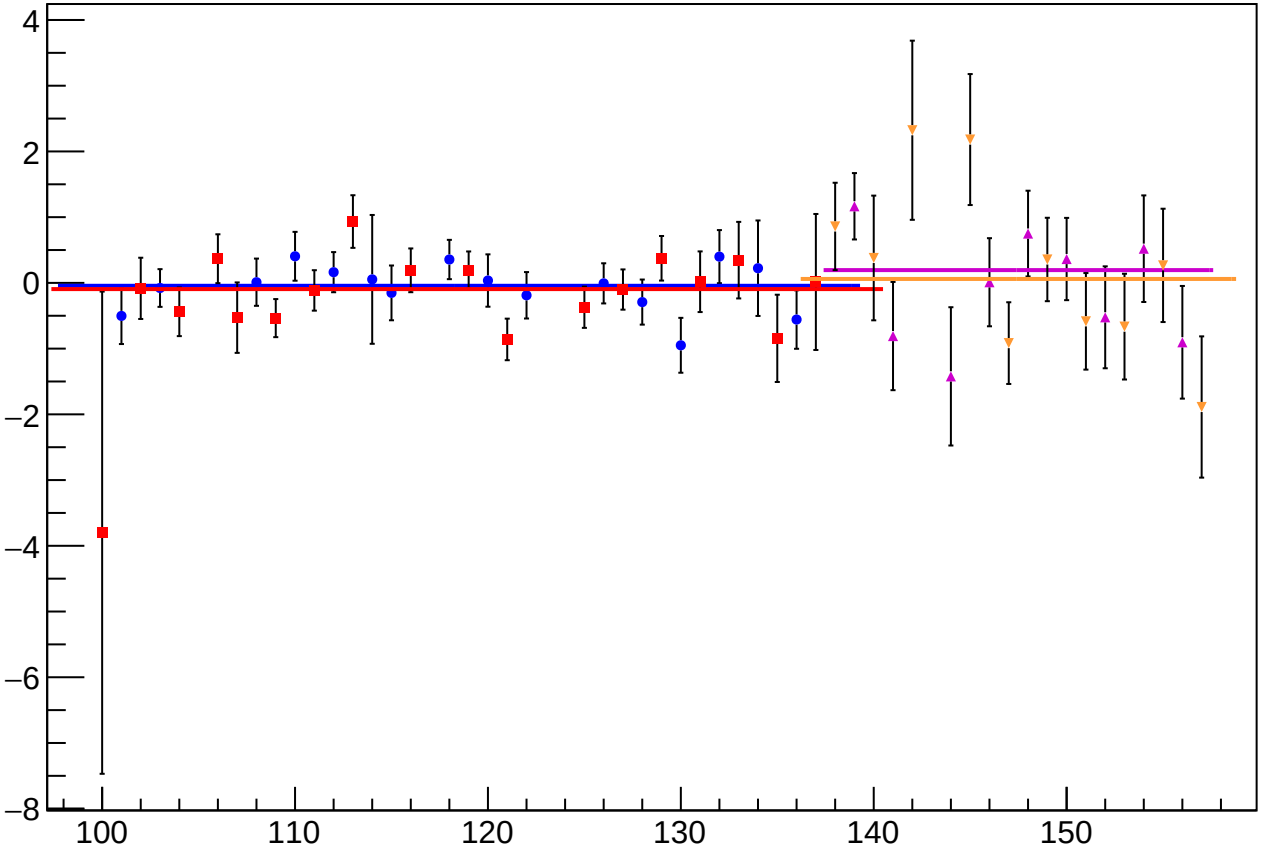
Left In: 637.063+/-0.167 χ^2/NDF:720588.9/8

+ sign 292.722+/-0.062 χ^2/NDF: 6951007.8/25

All: 283.989+/-0.043 χ^2/NDF: 13941698.9/52

- sign 276.001+/-0.059 χ^2/NDF: 6952938.8/26

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

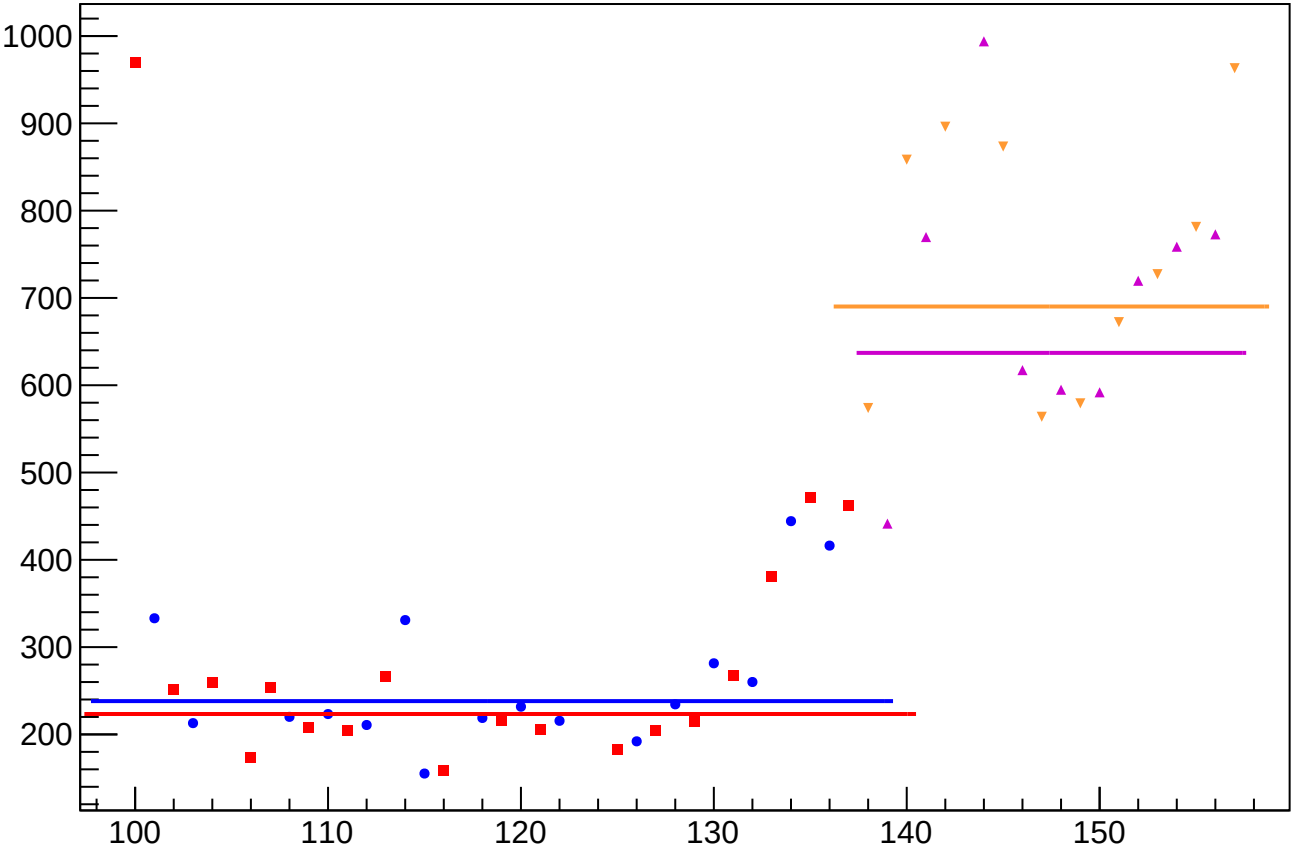
Left In: 0.195+/-0.236 χ^2/NDF:11.1/8

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.045+/-0.061 χ^2/NDF: 67.4/52

- sign -0.058+/-0.084 χ^2/NDF: 37.7/26

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 690.181+/-0.179 χ^2/NDF:537972.8/9

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

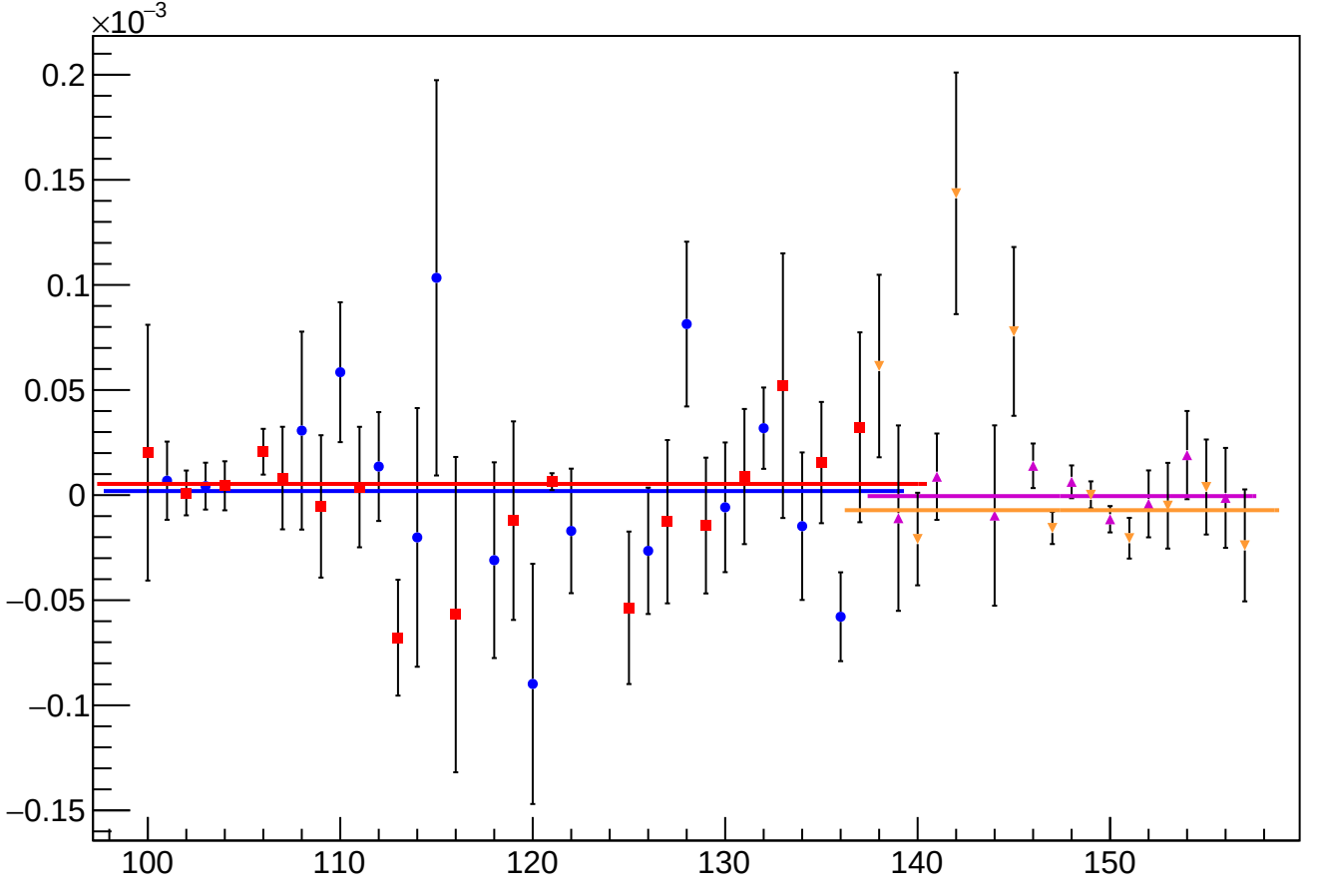
Left In: 637.063+/-0.167 χ^2/NDF:720588.9/8

+ sign 292.722+/-0.062 χ^2/NDF: 6951007.8/25

All: 283.989+/-0.043 χ^2/NDF: 13941698.9/52

- sign 276.001+/-0.059 χ^2/NDF: 6952938.8/26

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

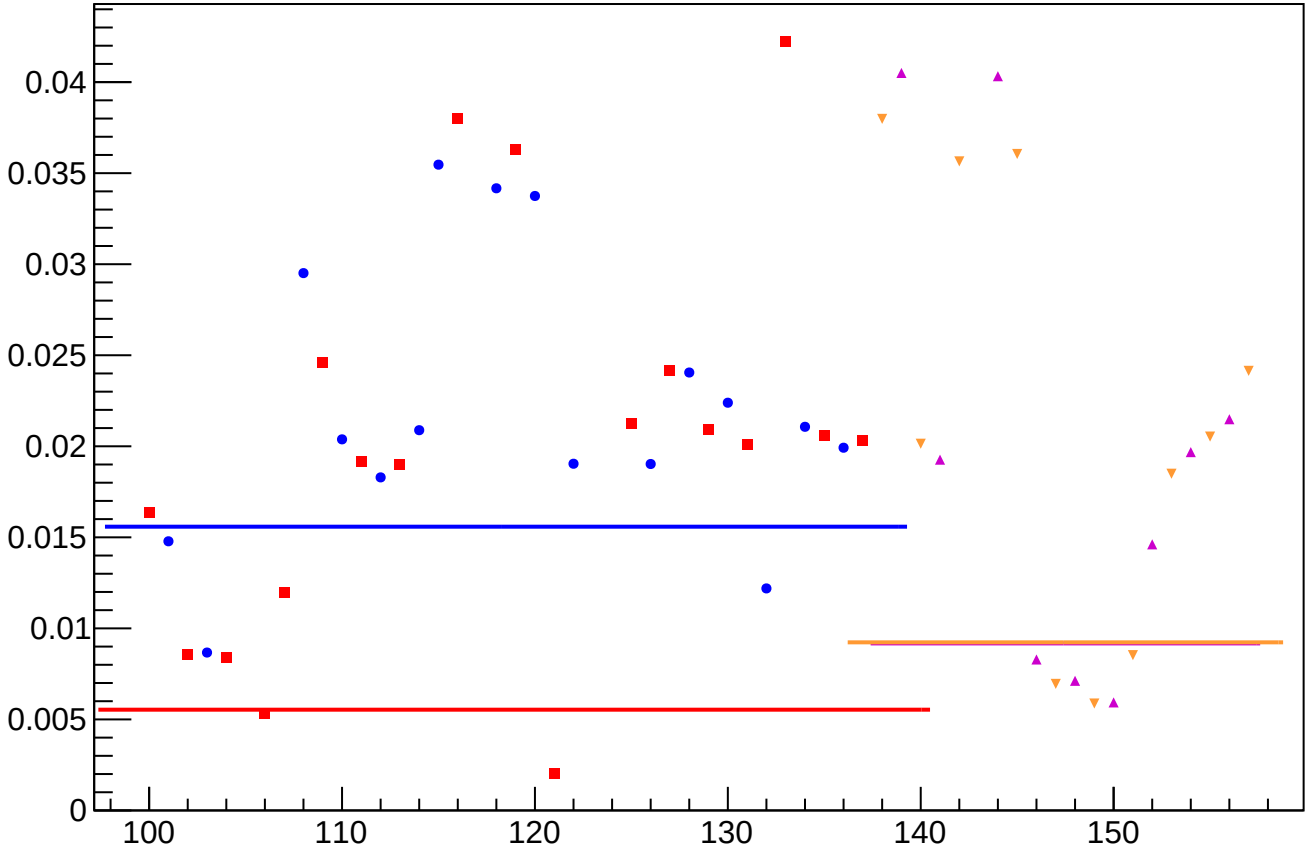
Left In: -0.000+/-0.000 χ^2/NDF:6.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/25

All: 0.000+/-0.000 χ^2/NDF: 70.8/52

- sign 0.000+/-0.000 χ^2/NDF: 22.7/26

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:4956055.7/9

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

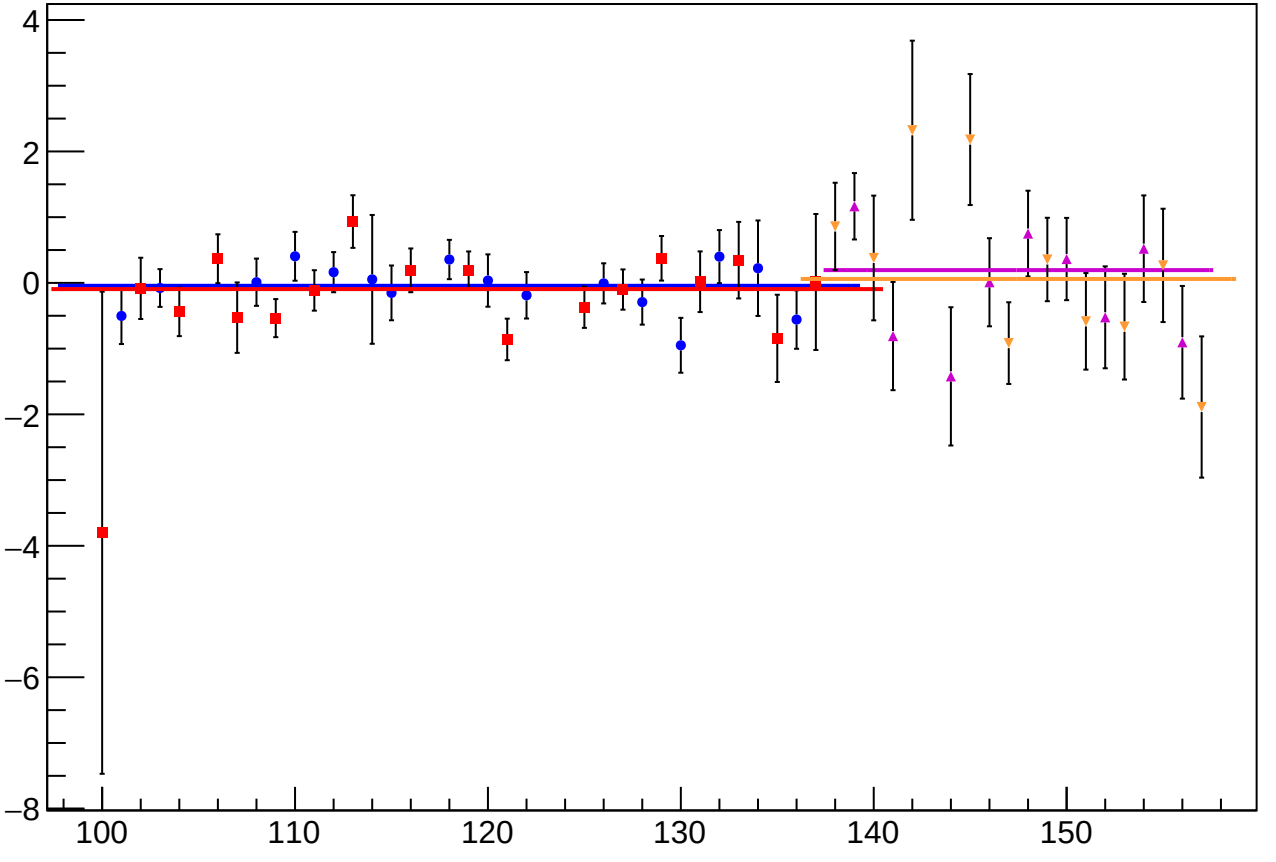
Left In: 0.009+/-0.000 χ^2/NDF:4504430.1/8

+ sign 0.011+/-0.000 χ^2/NDF: 8446644.2/25

All: 0.008+/-0.000 χ^2/NDF: 23794011.1/52

- sign 0.007+/-0.000 χ^2/NDF: 13466340.5/26

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

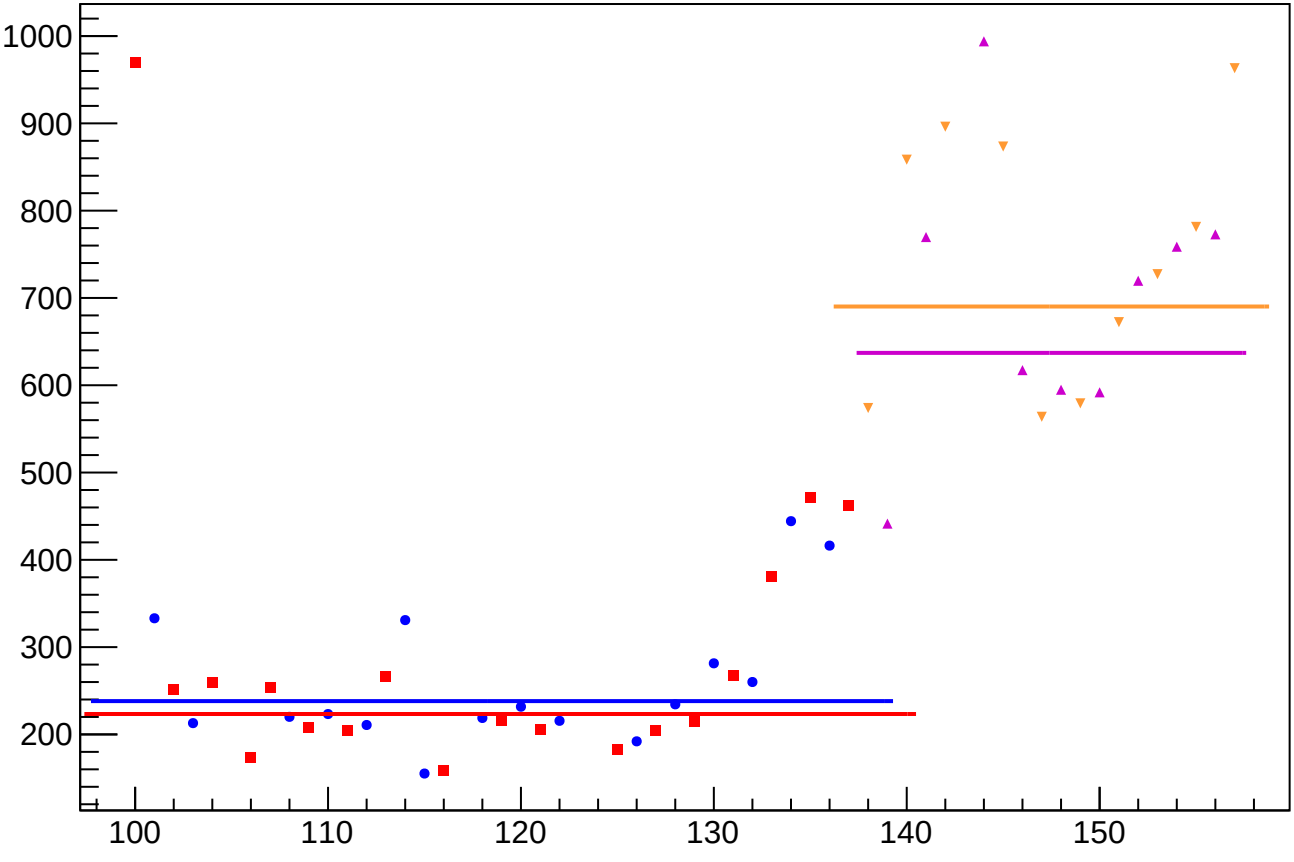
Left In: 0.195+/-0.236 χ^2/NDF:11.1/8

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.045+/-0.061 χ^2/NDF: 67.4/52

- sign -0.058+/-0.084 χ^2/NDF: 37.7/26

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

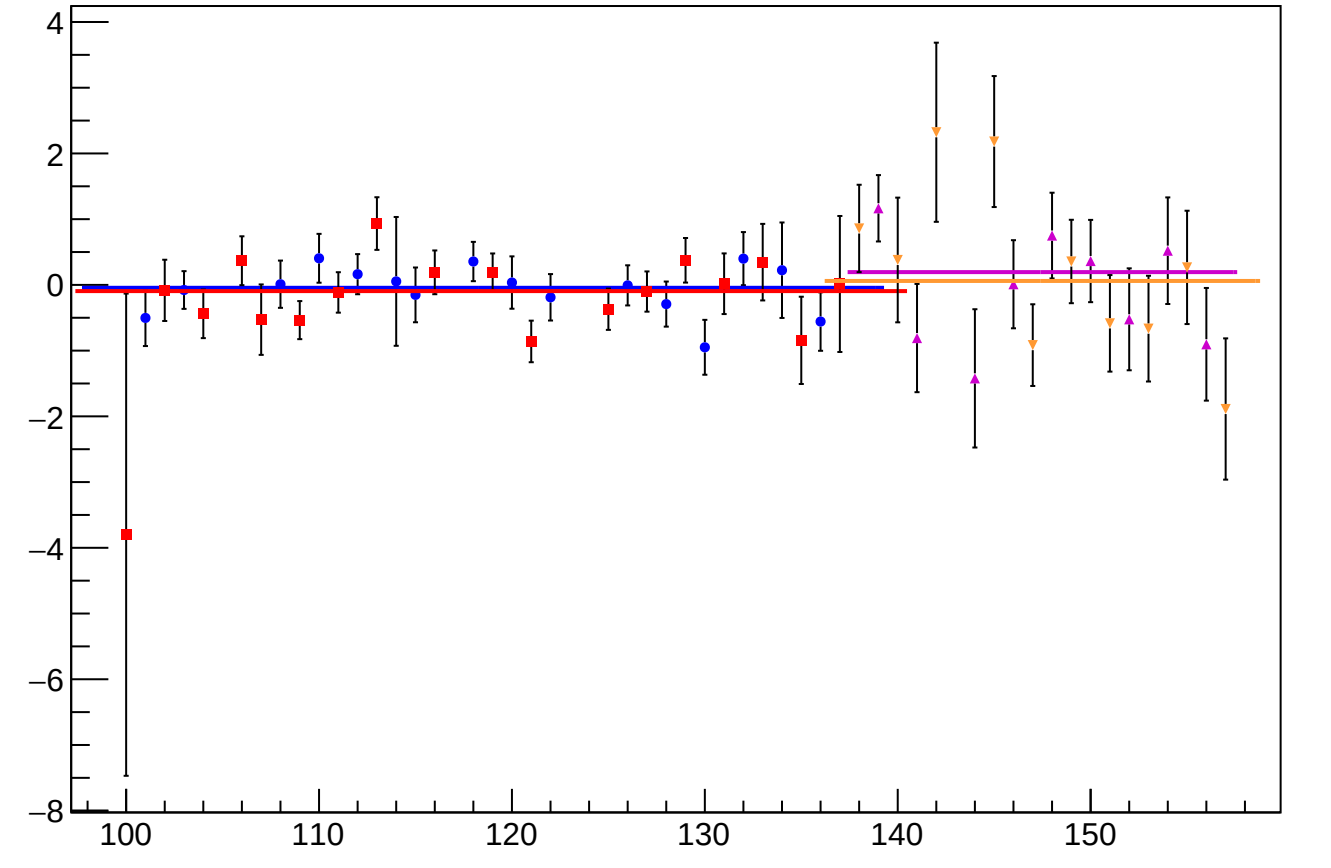
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 637.072+/-0.167 χ^2/NDF:720576.9/8

+ sign 292.723+/-0.062 χ^2/NDF: 6951053.3/25

All: 283.990+/-0.043 χ^2/NDF: 13941730.7/52

- sign 276.003+/-0.059 χ^2/NDF: 6952929.7/26



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.060+/-0.253 χ^2/NDF:16.5/9

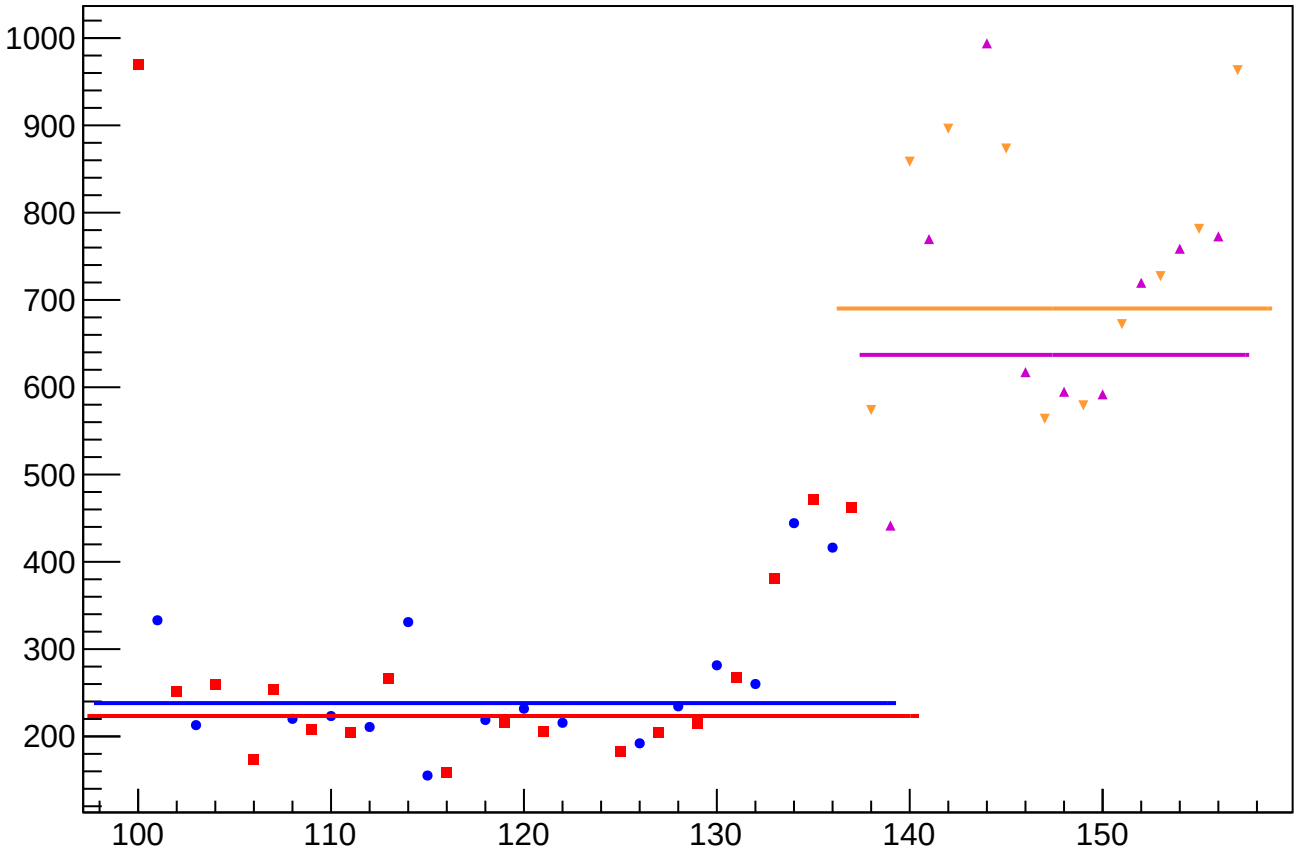
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.195+/-0.236 χ^2/NDF:11.1/8

+ sign -0.032+/-0.088 χ^2/NDF: 29.7/25

All: -0.045+/-0.061 χ^2/NDF: 67.4/52

- sign -0.058+/-0.084 χ^2/NDF: 37.7/26



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 690.187+/-0.179 χ^2/NDF:538020.6/9

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

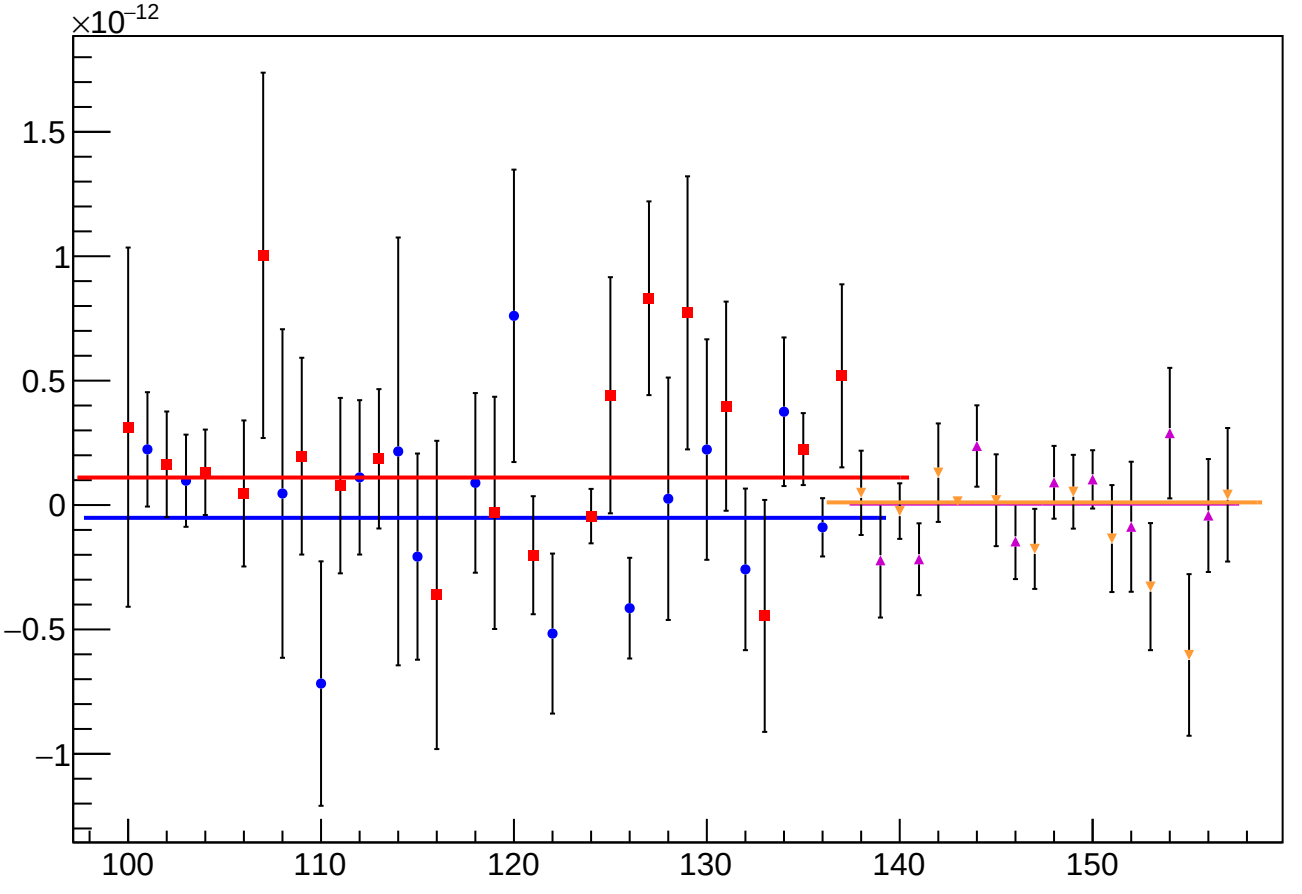
Left In: 637.072+/-0.167 χ^2/NDF:720576.9/8

+ sign 292.723+/-0.062 χ^2/NDF: 6951053.3/25

All: 283.990+/-0.043 χ^2/NDF: 13941730.7/52

- sign 276.003+/-0.059 χ^2/NDF: 6952929.7/26

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/10

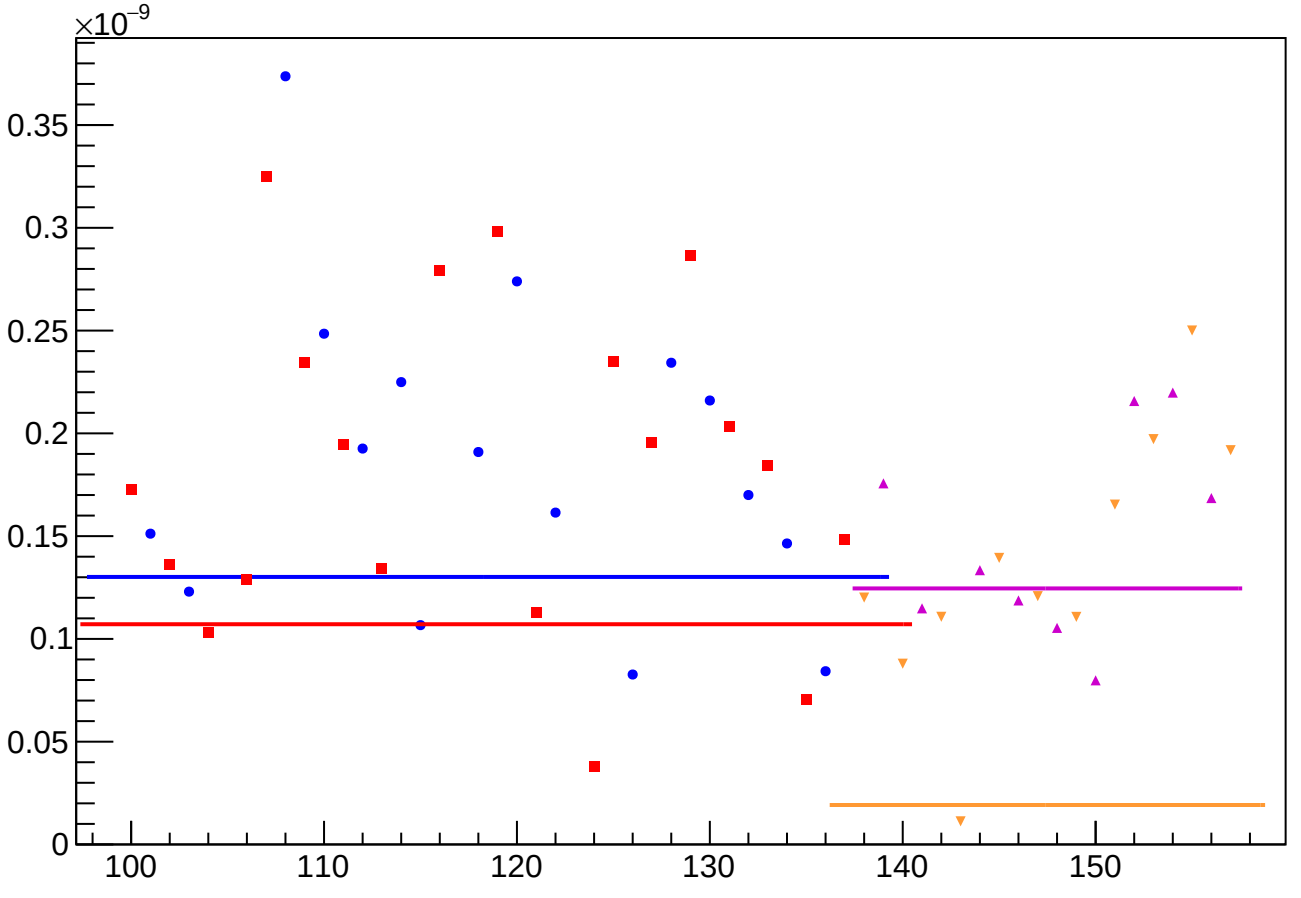
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 50.4/54

- sign 0.000+/-0.000 χ^2/NDF: 25.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8569406.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

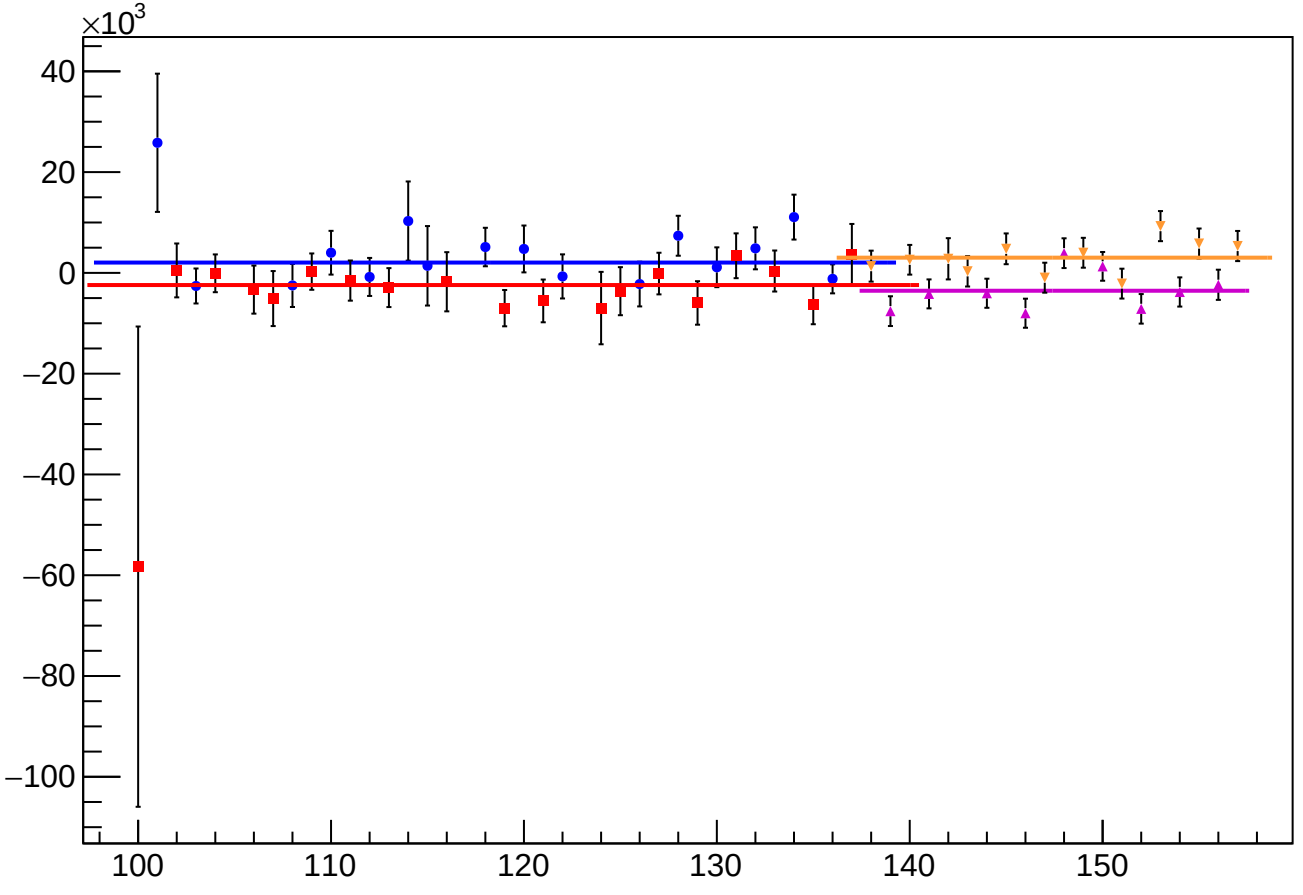
Left In: 0.000+/-0.000 χ^2/NDF:1024164.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 15059926.6/26

All: 0.000+/-0.000 χ^2/NDF: 27871541.9/54

- sign 0.000+/-0.000 χ^2/NDF: 3771573.8/27

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.768+/-922.648 χ^2/NDF:12.2/10

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

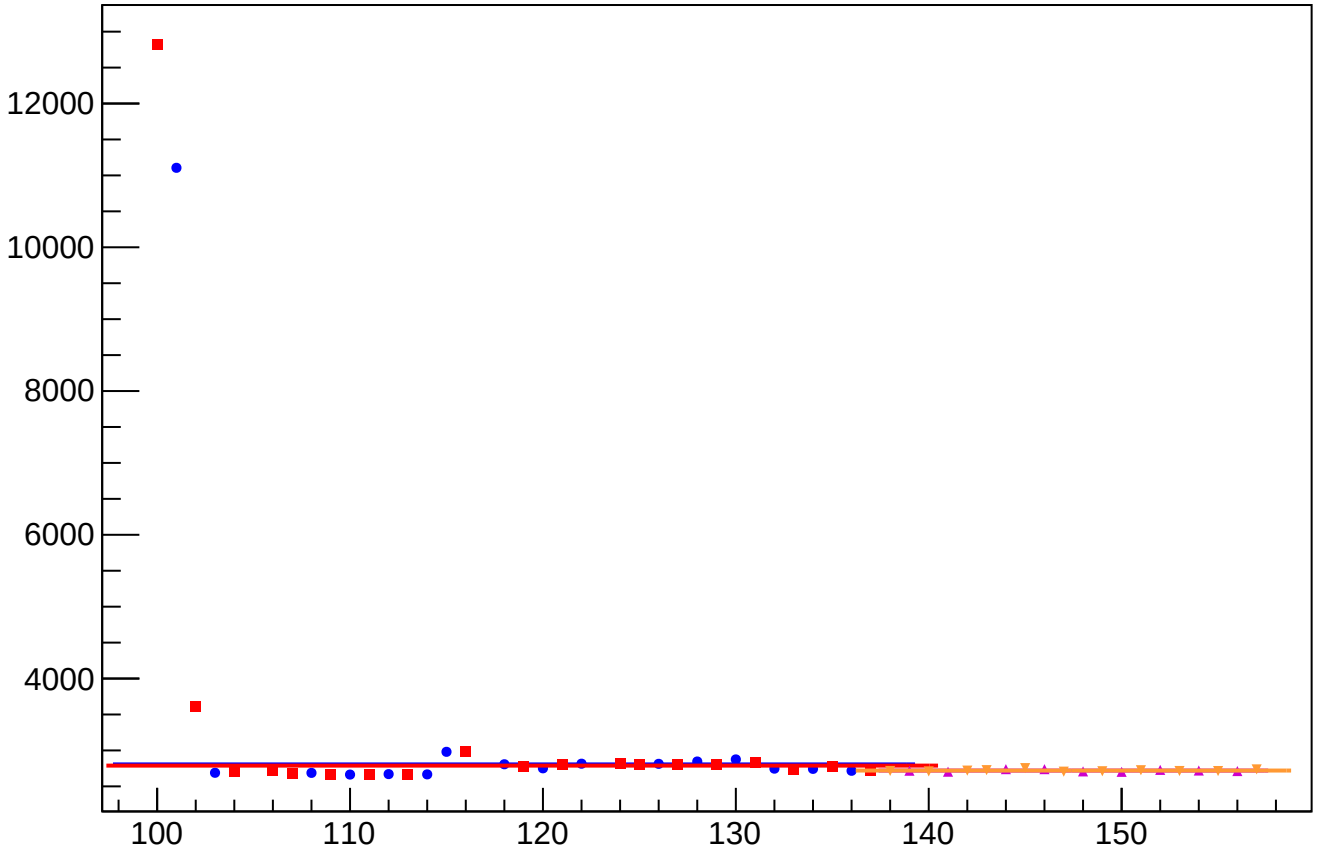
Left In: -3544.269+/-971.122 χ^2/NDF:15.3/8

+ sign 2607.313+/-698.857 χ^2/NDF: 30.5/26

All: -165.616+/-497.487 χ^2/NDF: 89.1/54

- sign -3014.341+/-708.344 χ^2/NDF: 26.7/27

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

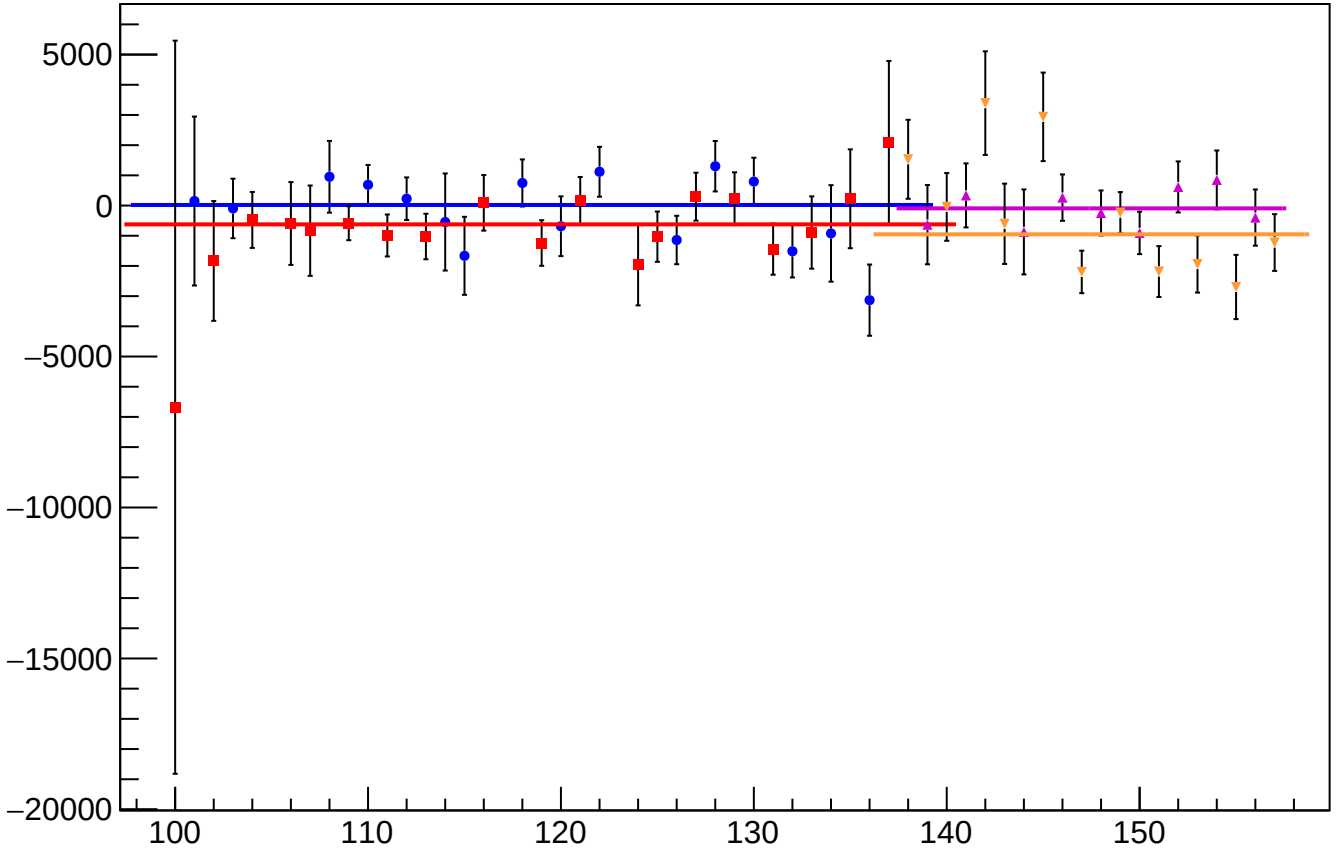
Left In: 2719.580+/-0.687 χ^2/NDF:383.7/8

+ sign 2756.526+/-0.494 χ^2/NDF: 753969.7/26

All: 2754.285+/-0.352 χ^2/NDF: 906151.3/54

- sign 2751.982+/-0.501 χ^2/NDF: 152139.9/27

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -952.716+/-295.256 χ^2/NDF:28.0/10

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

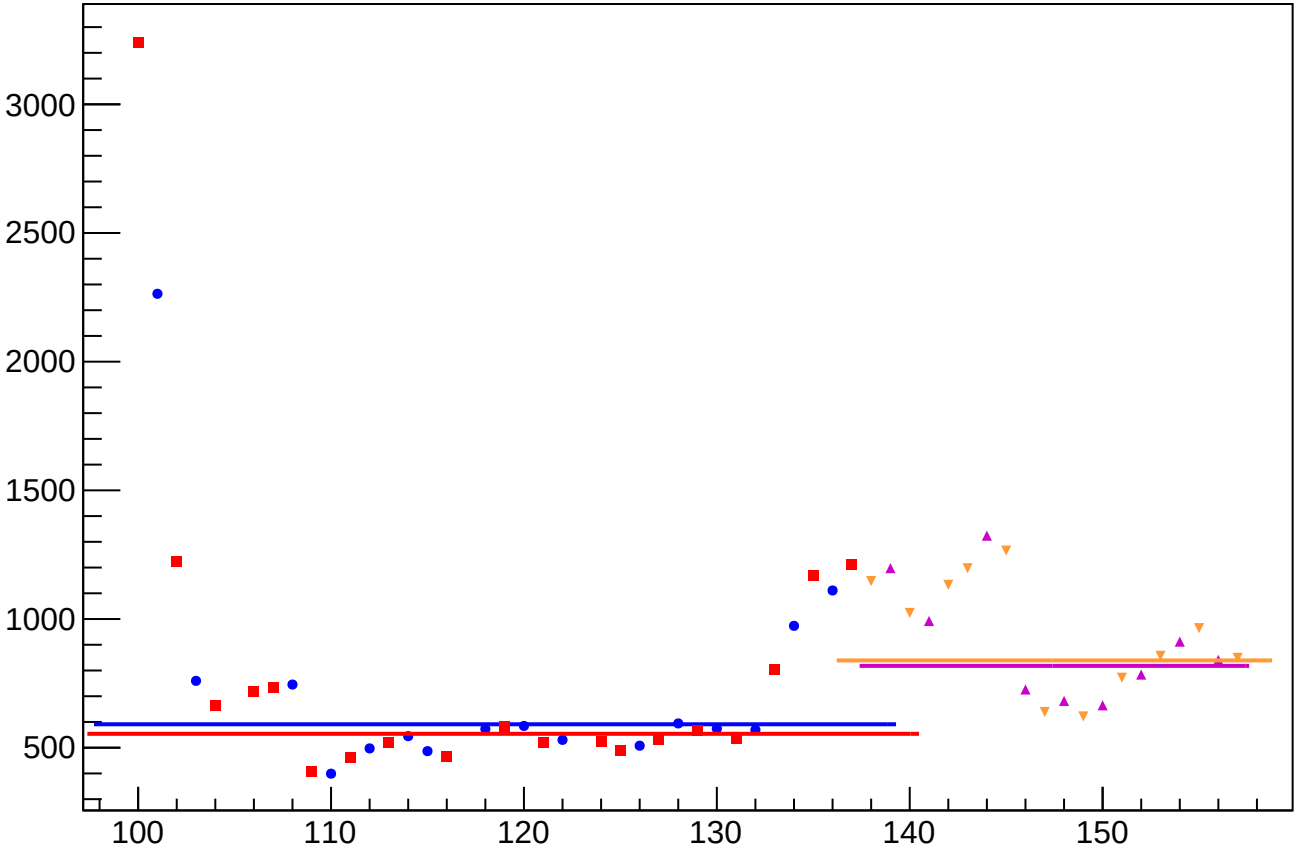
Left In: -93.705+/-300.216 χ^2/NDF:4.0/8

+ sign -354.872+/-183.140 χ^2/NDF: 57.4/26

All: -400.648+/-126.639 χ^2/NDF: 72.9/54

- sign -442.592+/-175.307 χ^2/NDF: 15.3/27

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 839.138+/-0.209 χ^2/NDF:946640.1/10

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

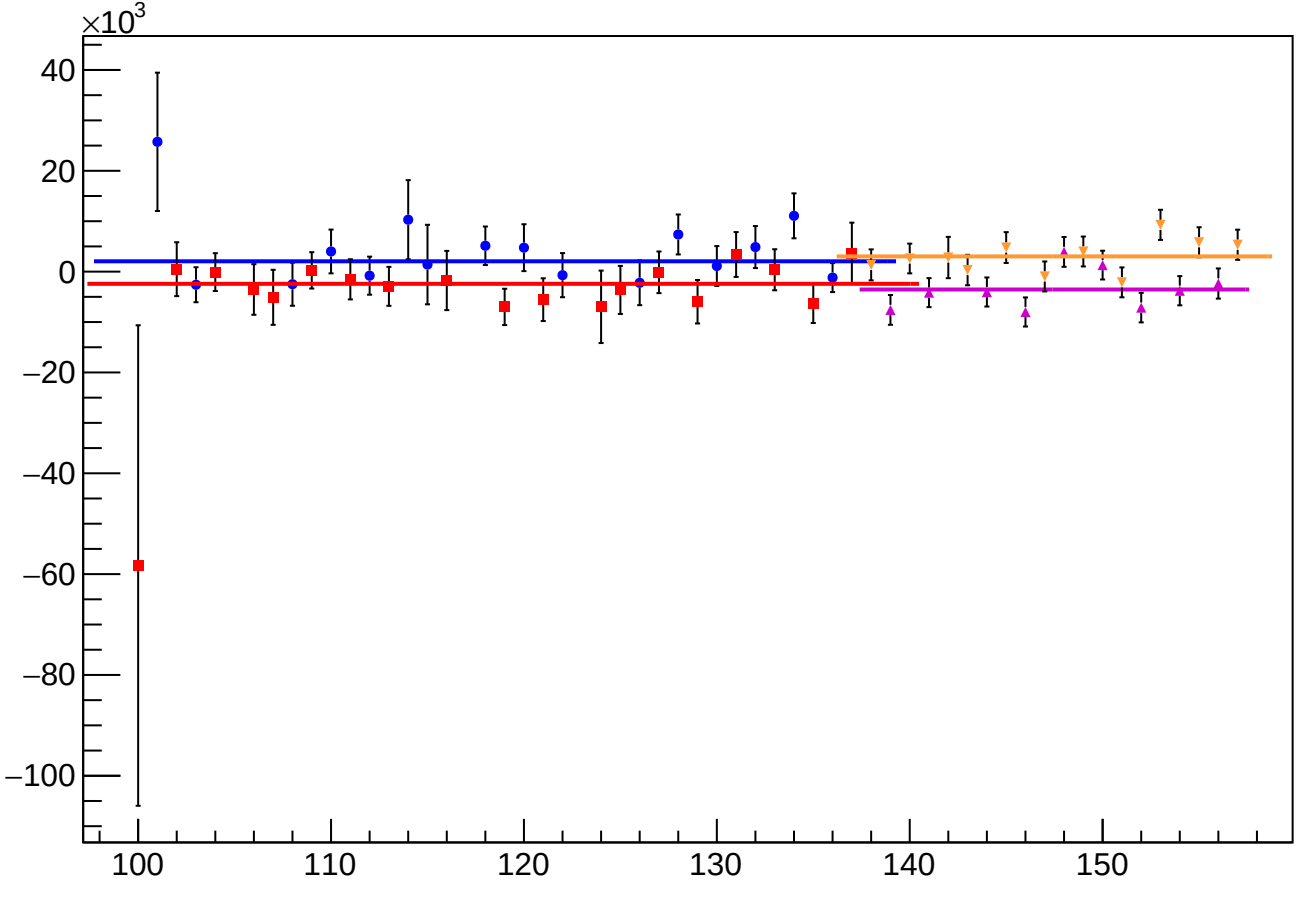
Left In: 817.973+/-0.212 χ^2/NDF:693069.2/8

+ sign 686.495+/-0.129 χ^2/NDF: 3383130.7/26

All: 664.318+/-0.090 χ^2/NDF: 6268466.4/54

- sign 643.998+/-0.124 χ^2/NDF: 2829138.0/27

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

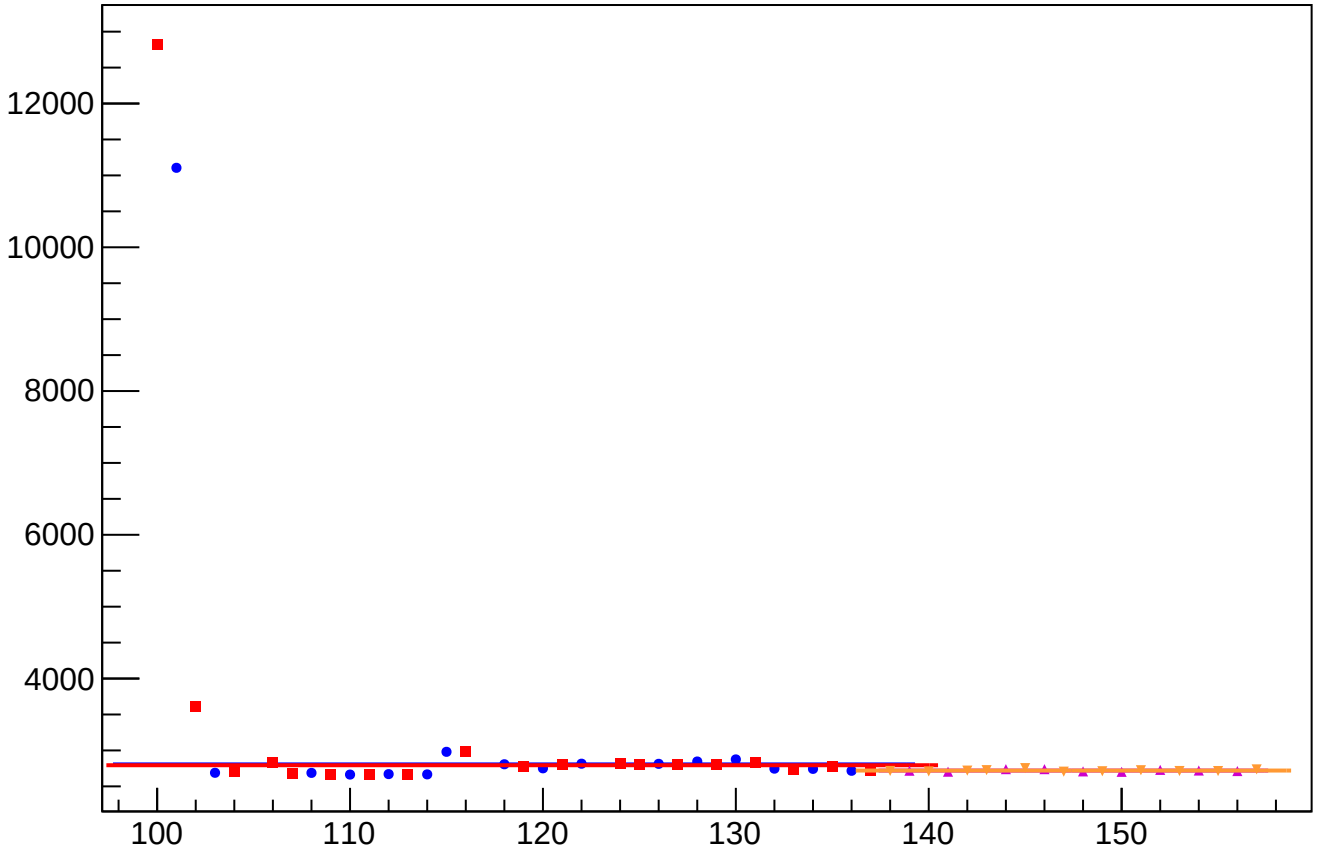
Left In: -3544.445+/-971.122 χ^2/NDF:15.3/8

+ sign 2607.016+/-698.857 χ^2/NDF: 30.5/26

All: -164.823+/-497.751 χ^2/NDF: 89.1/54

- sign -3018.557+/-709.106 χ^2/NDF: 26.7/27

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

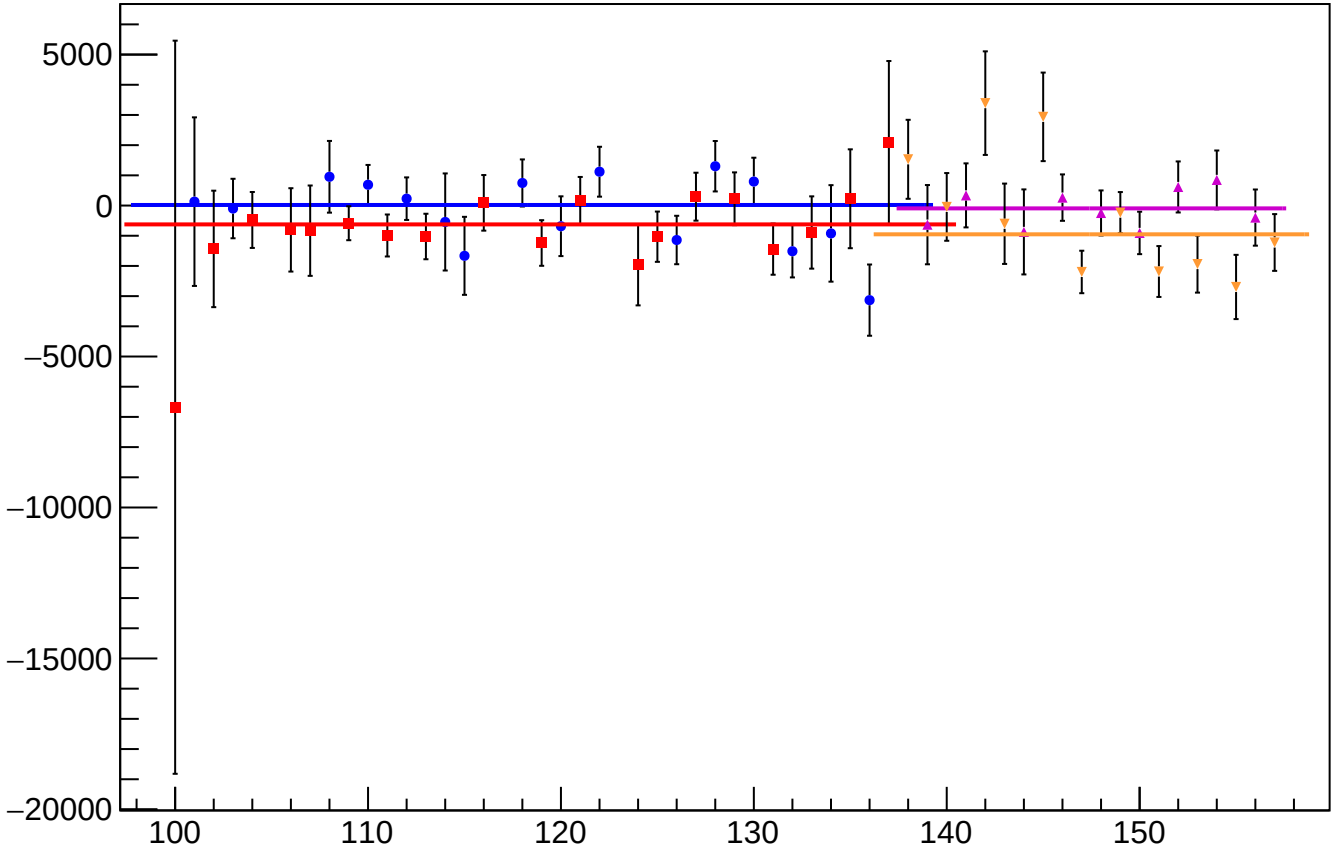
Left In: 2719.580+/-0.687 χ^2/NDF:383.7/8

+ sign 2756.526+/-0.494 χ^2/NDF: 753968.8/26

All: 2755.476+/-0.352 χ^2/NDF: 906612.0/54

- sign 2754.394+/-0.501 χ^2/NDF: 152634.1/27

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

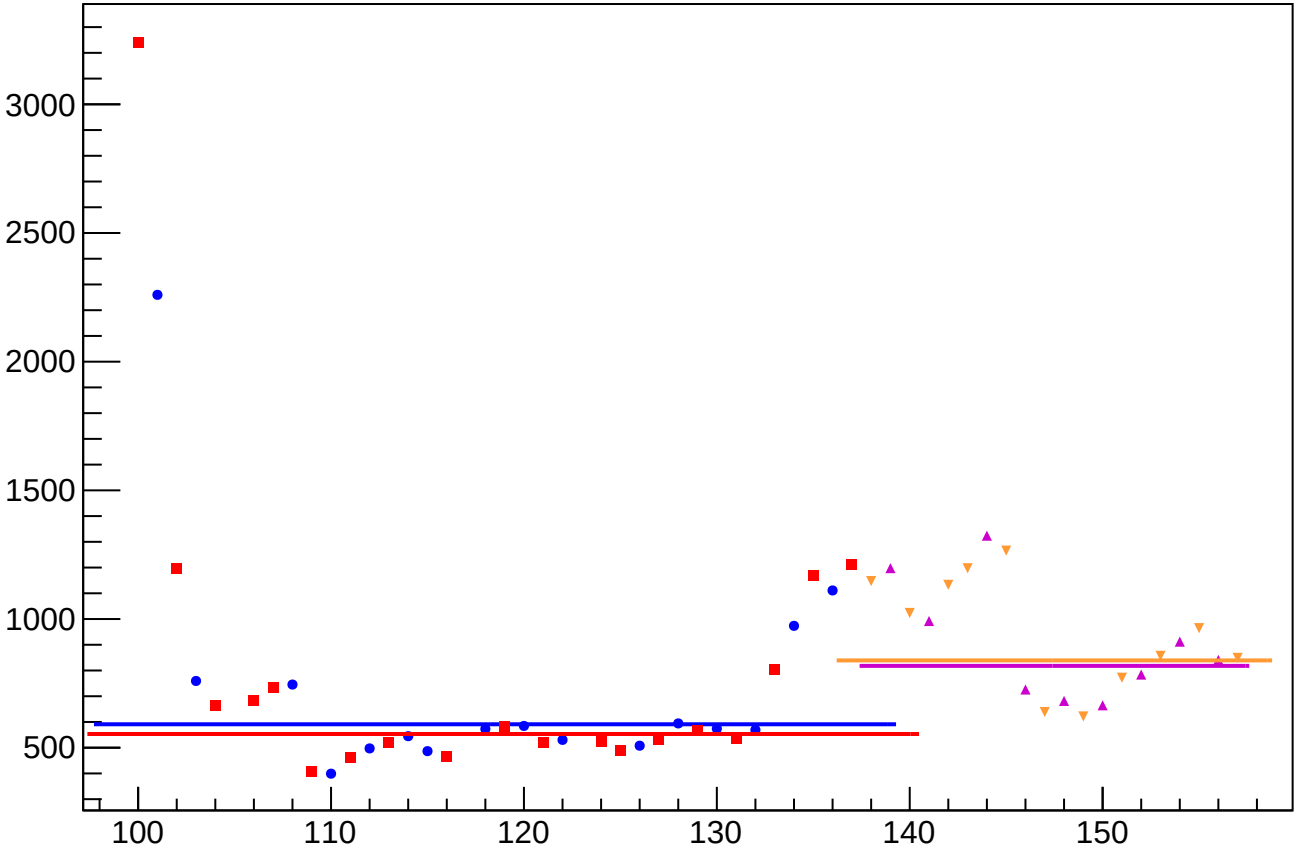
Left In: -93.948+/-300.215 χ^2/NDF:4.0/8

\+ sign -354.819+/-183.134 χ^2/NDF: 57.5/26

All: -401.079+/-126.628 χ^2/NDF: 72.7/54

\- sign -443.456+/-175.282 χ^2/NDF: 15.1/27

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

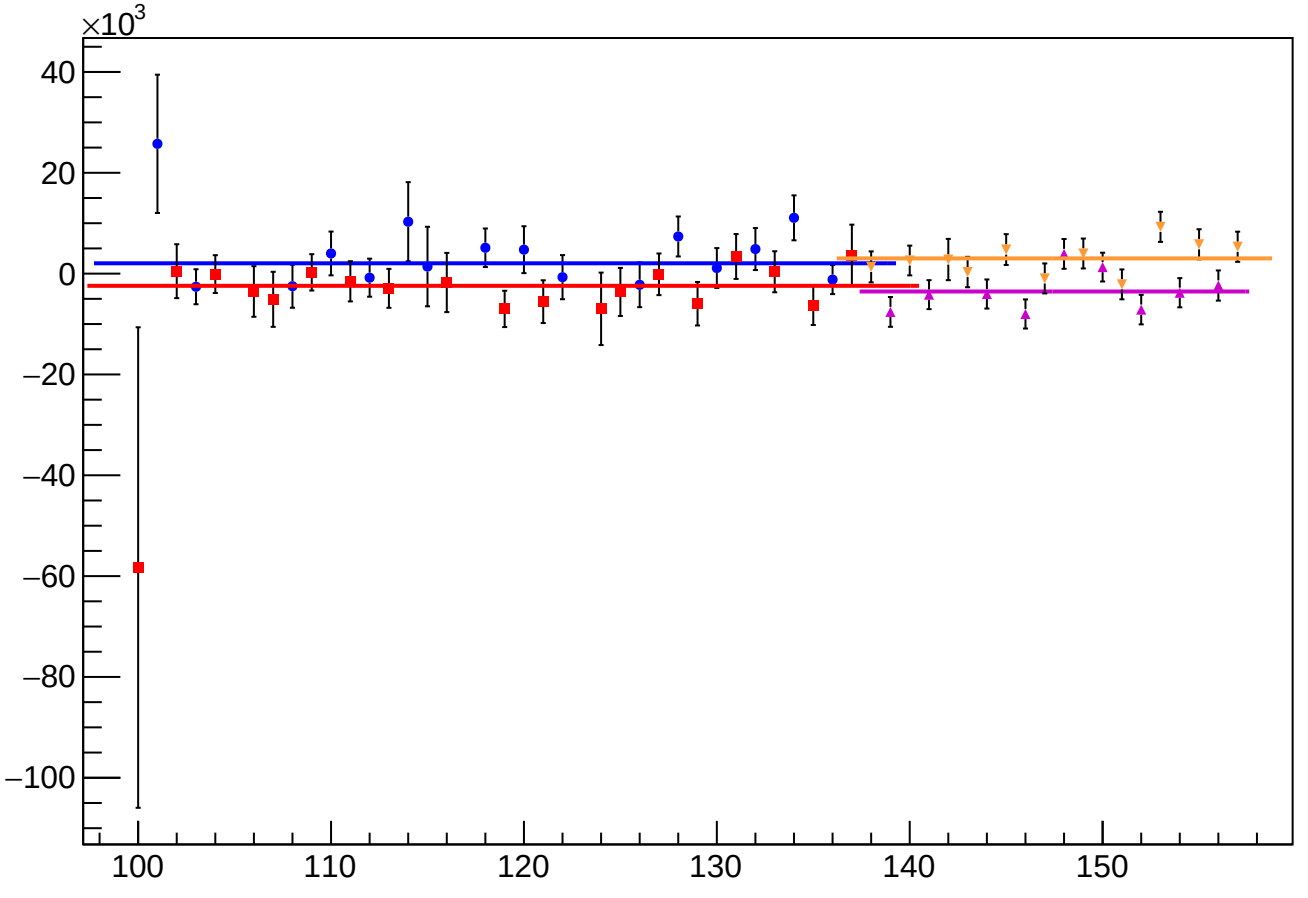
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 817.970+/-0.212 χ^2/NDF:693050.8/8

+ sign 686.487+/-0.129 χ^2/NDF: 3382134.3/26

All: 664.040+/-0.090 χ^2/NDF: 6259483.2/54

- sign 643.478+/-0.124 χ^2/NDF: 2819780.1/27



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 3021.849+/-922.648 χ^2/NDF:12.2/10

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

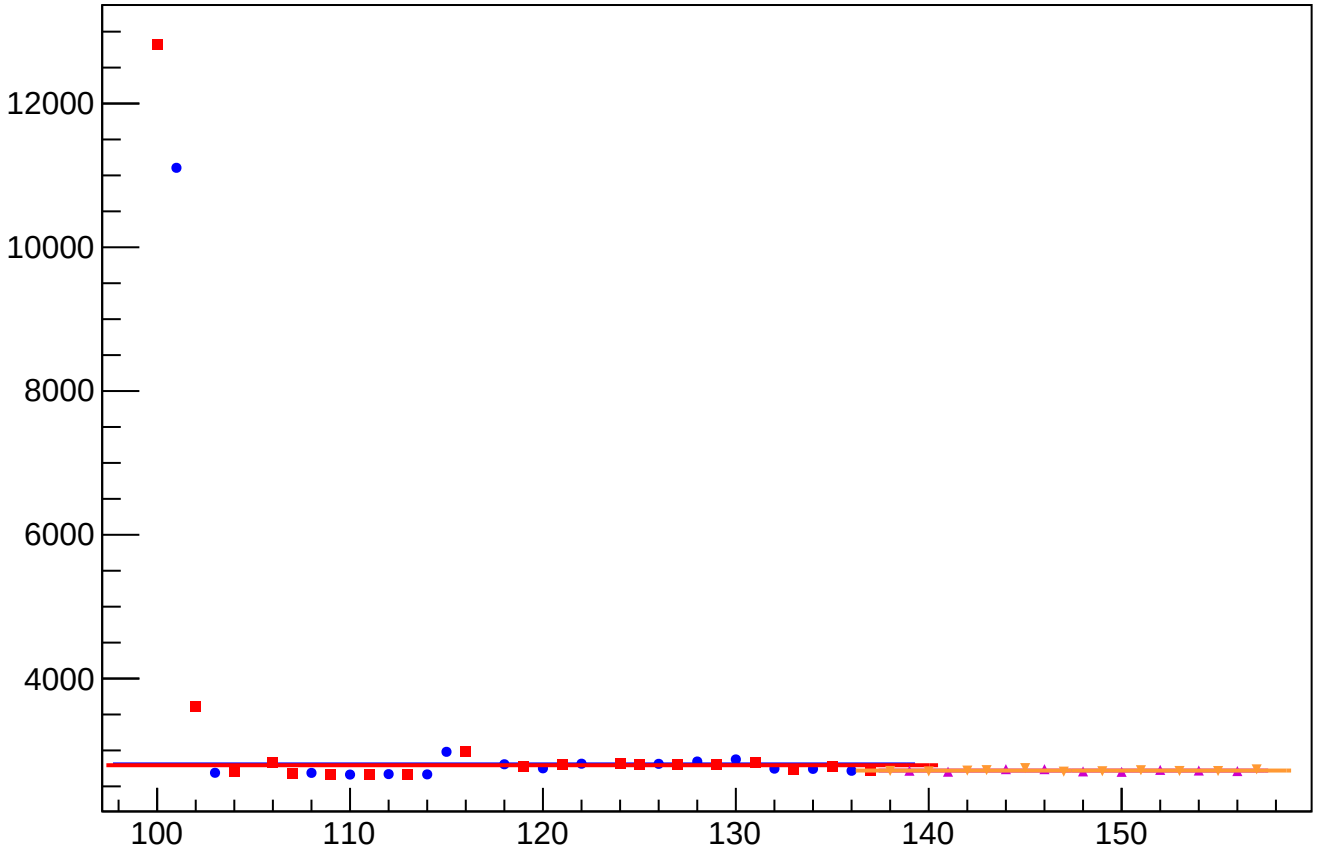
Left In: -3544.445+/-971.122 χ^2/NDF:15.3/8

+ sign 2607.016+/-698.857 χ^2/NDF: 30.5/26

All: -164.823+/-497.751 χ^2/NDF: 89.1/54

- sign -3018.557+/-709.106 χ^2/NDF: 26.7/27

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.180+/-0.652 χ^2/NDF:448.0/10

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

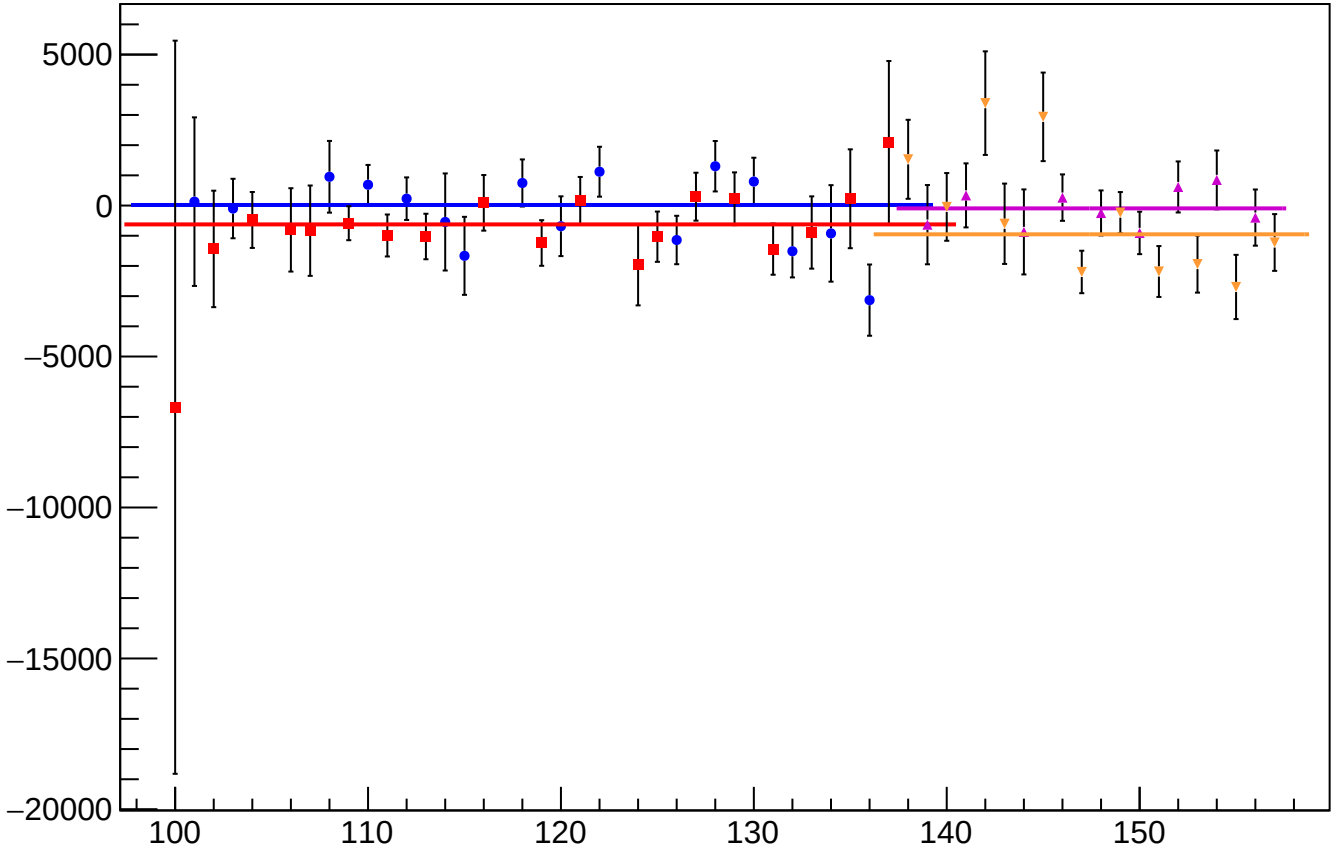
Left In: 2719.580+/-0.687 χ^2/NDF:383.7/8

+ sign 2756.526+/-0.494 χ^2/NDF: 753968.8/26

All: 2755.476+/-0.352 χ^2/NDF: 906612.0/54

- sign 2754.394+/-0.501 χ^2/NDF: 152634.1/27

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -952.571+/-295.255 χ^2/NDF:28.0/10

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

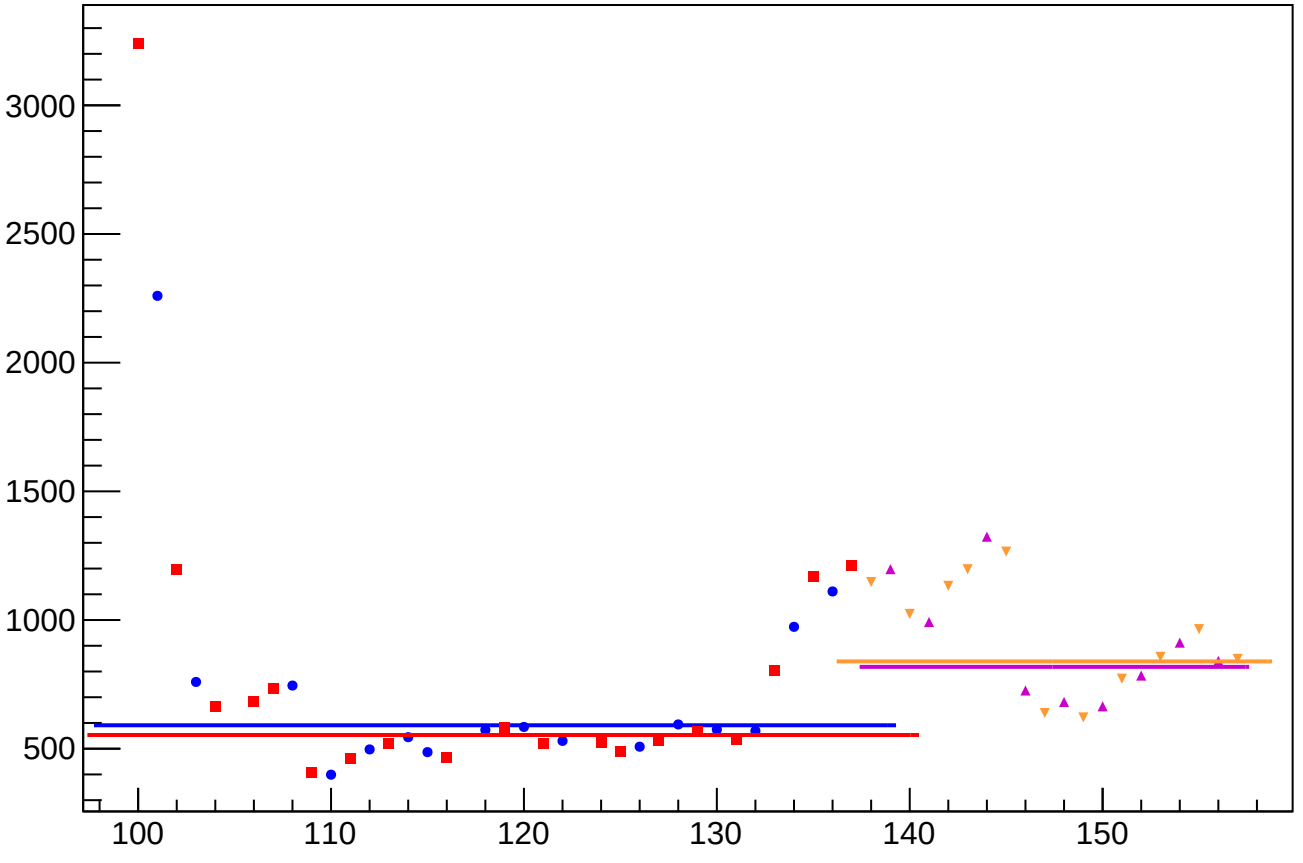
Left In: -93.948+/-300.215 χ^2/NDF:4.0/8

\+ sign -354.819+/-183.134 χ^2/NDF: 57.5/26

All: -401.079+/-126.628 χ^2/NDF: 72.7/54

\- sign -443.456+/-175.282 χ^2/NDF: 15.1/27

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 839.134+/-0.209 χ^2/NDF:946650.6/10

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

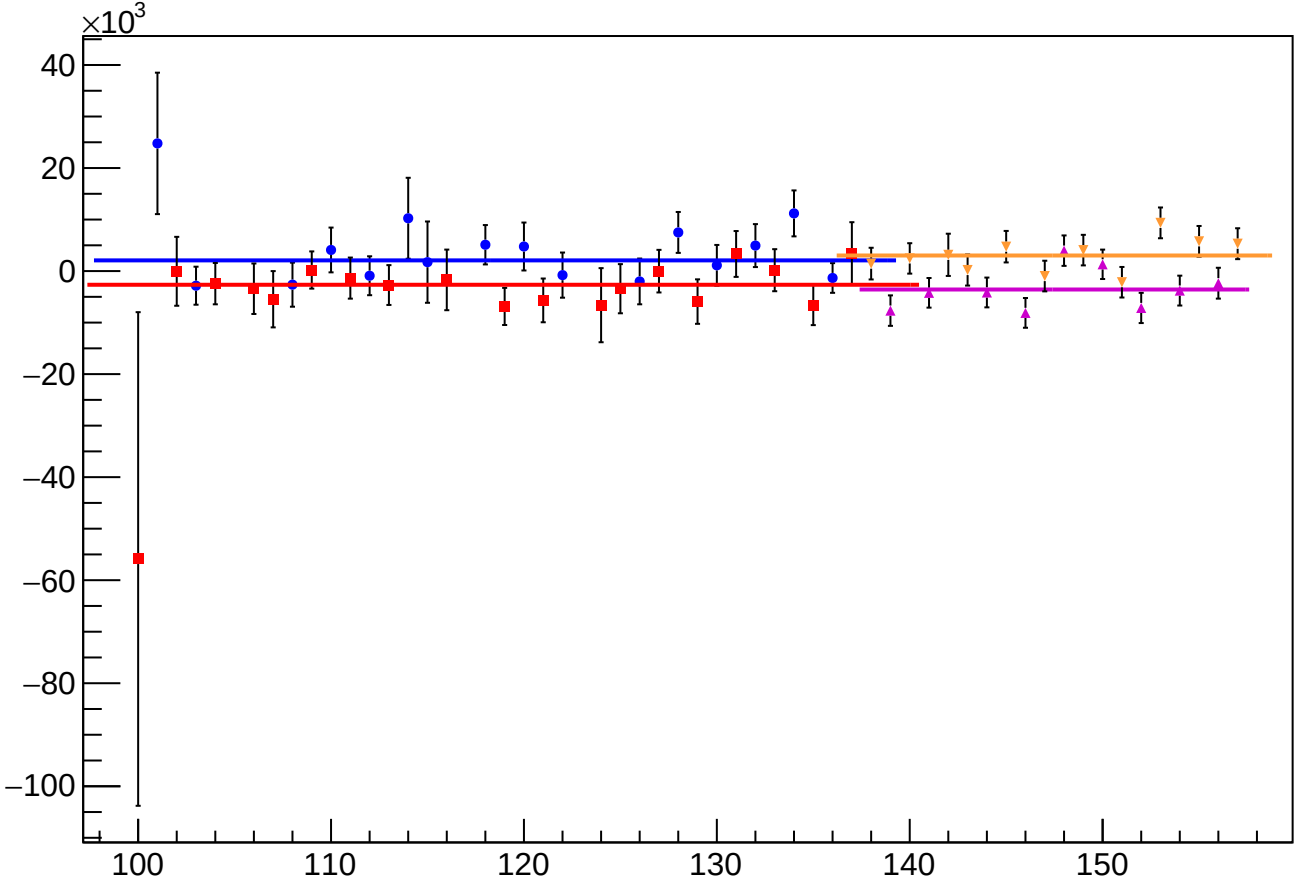
Left In: 817.970+/-0.212 χ^2/NDF:693050.8/8

+ sign 686.487+/-0.129 χ^2/NDF: 3382134.3/26

All: 664.040+/-0.090 χ^2/NDF: 6259483.2/54

- sign 643.478+/-0.124 χ^2/NDF: 2819780.1/27

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

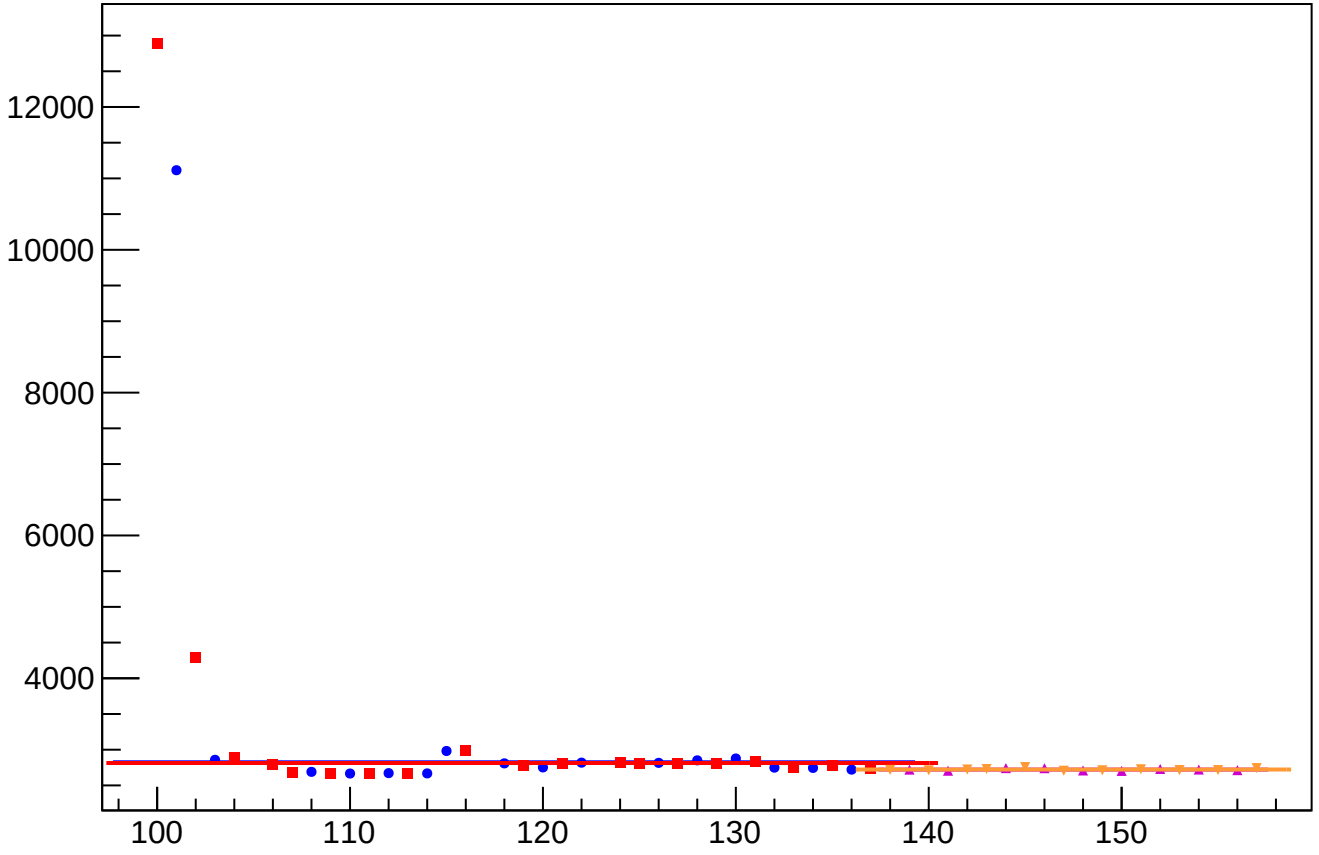
Left In: -3577.379+/-971.762 χ^2/NDF:15.6/8

+ sign 2622.030+/-701.067 χ^2/NDF: 30.7/26

All: -216.046+/-499.948 χ^2/NDF: 90.0/54

- sign -3152.835+/-713.155 χ^2/NDF: 25.9/27

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

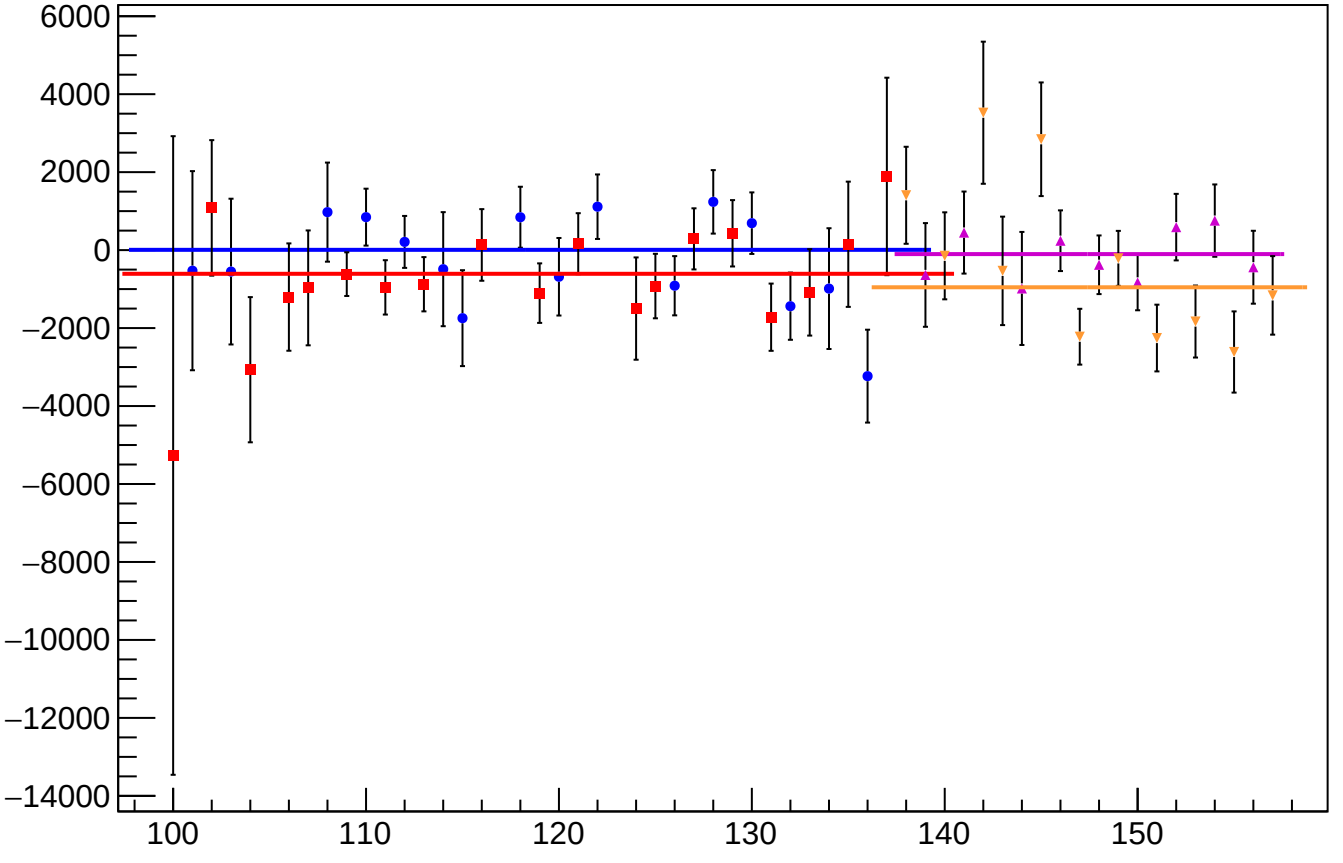
Left In: 2721.360+/-0.687 χ^2/NDF:400.7/8

+ sign 2765.205+/-0.496 χ^2/NDF: 754556.3/26

All: 2764.624+/-0.354 χ^2/NDF: 963826.5/54

- sign 2764.024+/-0.504 χ^2/NDF: 209267.4/27

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.489+/-299.566 χ^2/NDF:27.1/10

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

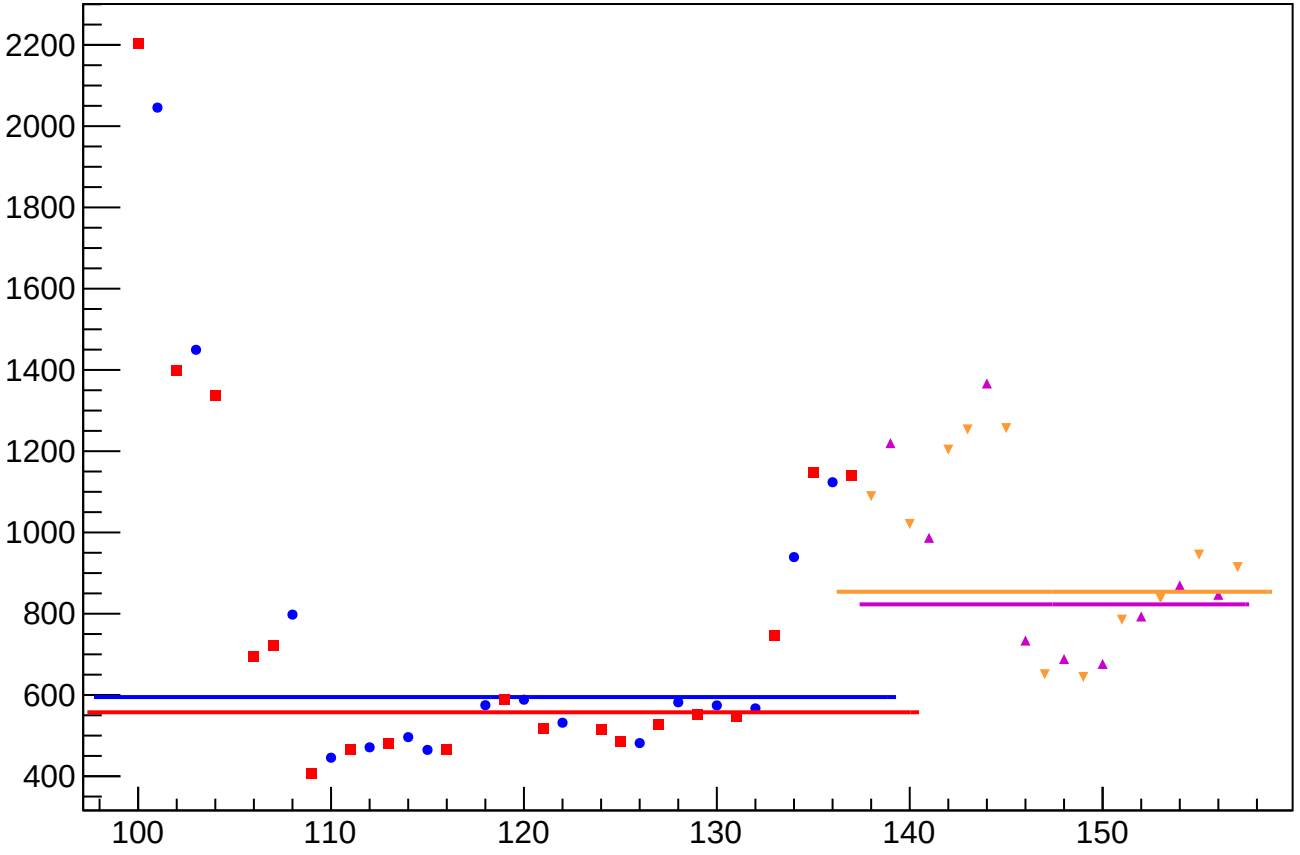
Left In: -102.228+/-301.567 χ^2/NDF:3.8/8

+ sign -363.592+/-186.085 χ^2/NDF: 56.2/26

All: -401.313+/-127.940 χ^2/NDF: 74.1/54

- sign -435.127+/-176.189 χ^2/NDF: 17.8/27

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 854.035+/-0.212 χ^2/NDF:881390.7/10

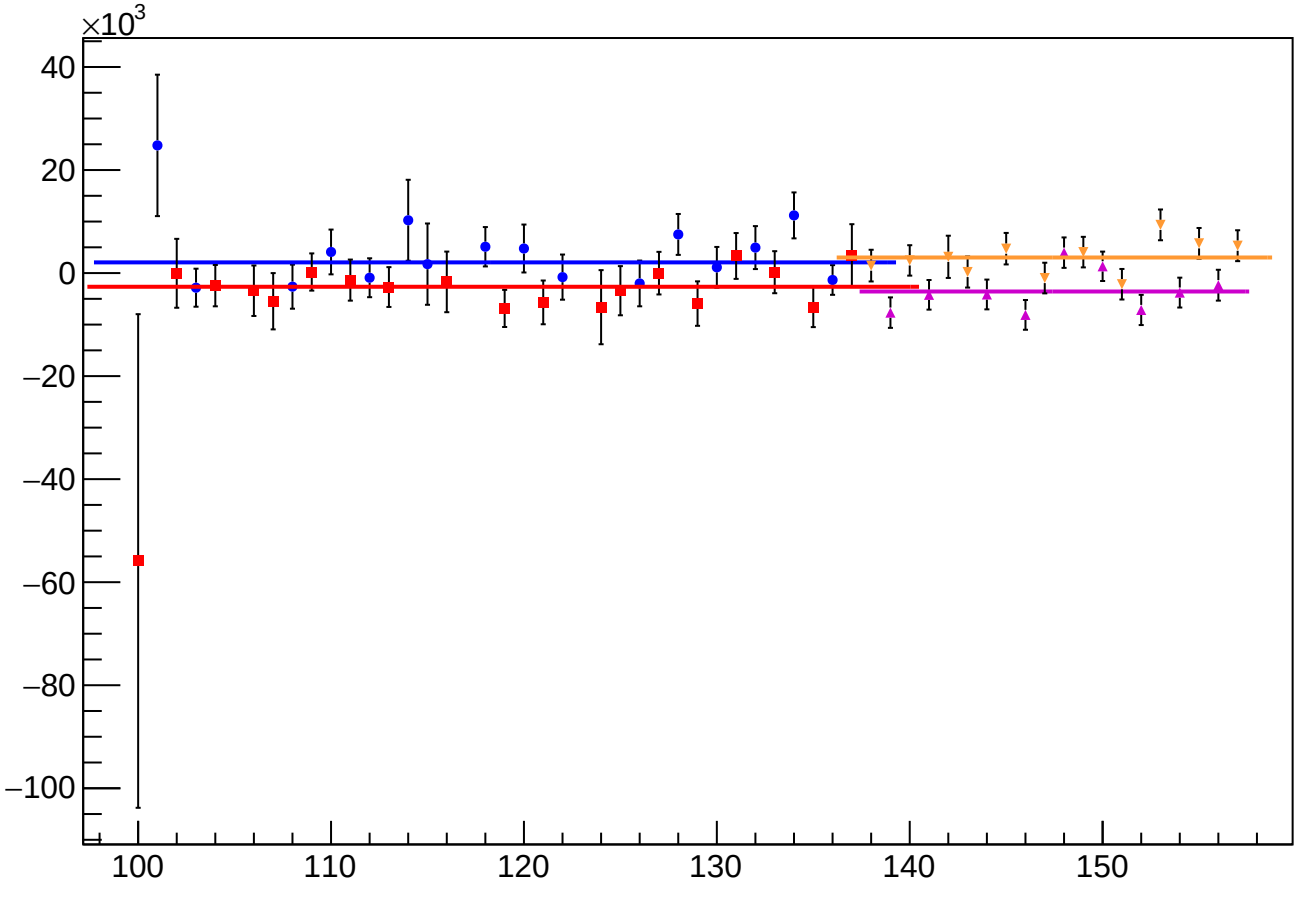
Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 823.014+/-0.213 χ^2/NDF:690692.7/8

+ sign 694.866+/-0.132 χ^2/NDF: 3653439.0/26

All: 670.187+/-0.090 χ^2/NDF: 7064115.2/54

- sign 648.062+/-0.125 χ^2/NDF: 3343961.8/27



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 3024.194+/-923.406 χ^2/NDF:12.4/10

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

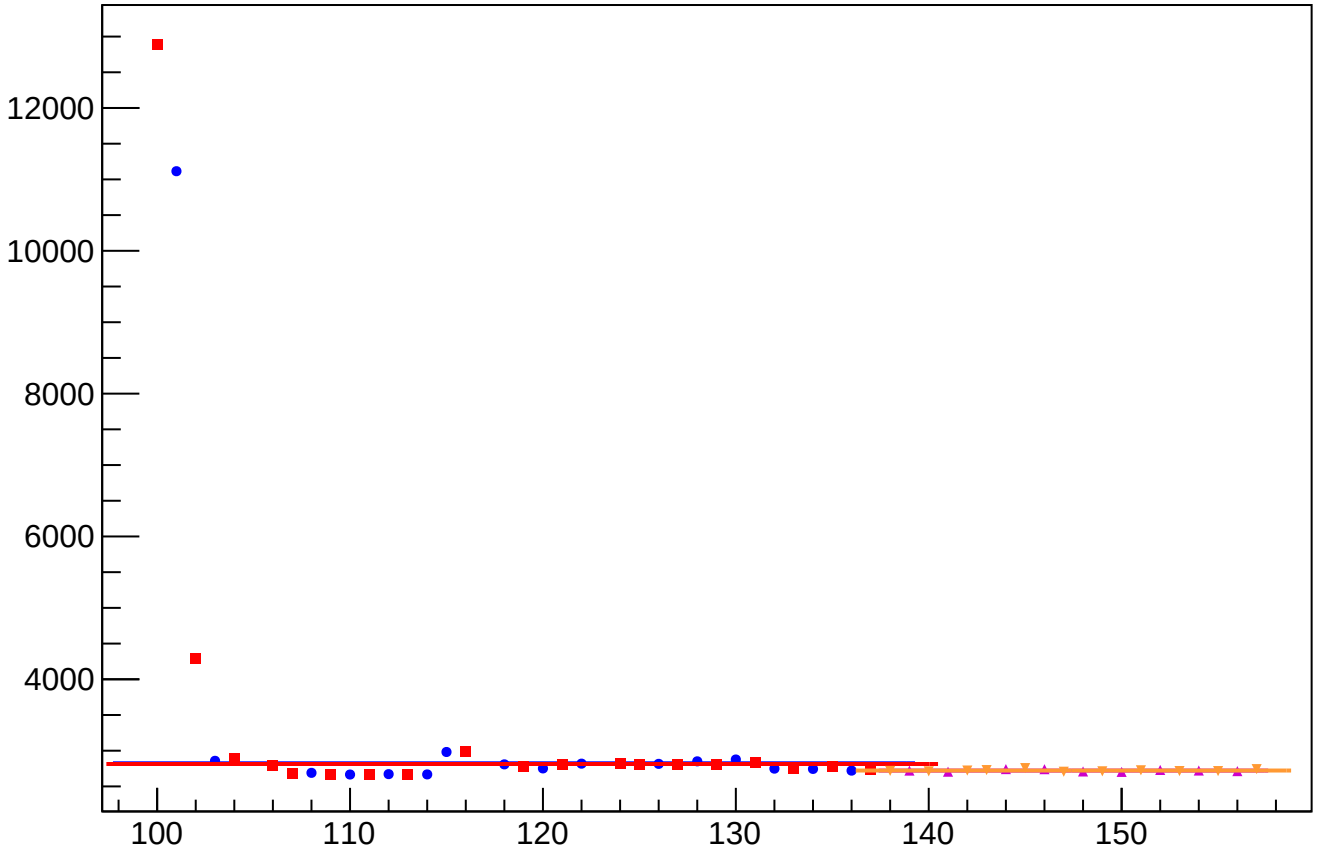
Left In: -3577.380+/-971.762 χ^2/NDF:15.6/8

+ sign 2622.030+/-701.067 χ^2/NDF: 30.7/26

All: -216.046+/-499.948 χ^2/NDF: 90.0/54

- sign -3152.834+/-713.155 χ^2/NDF: 25.9/27

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2722.404+/-0.653 χ^2/NDF:496.4/10

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

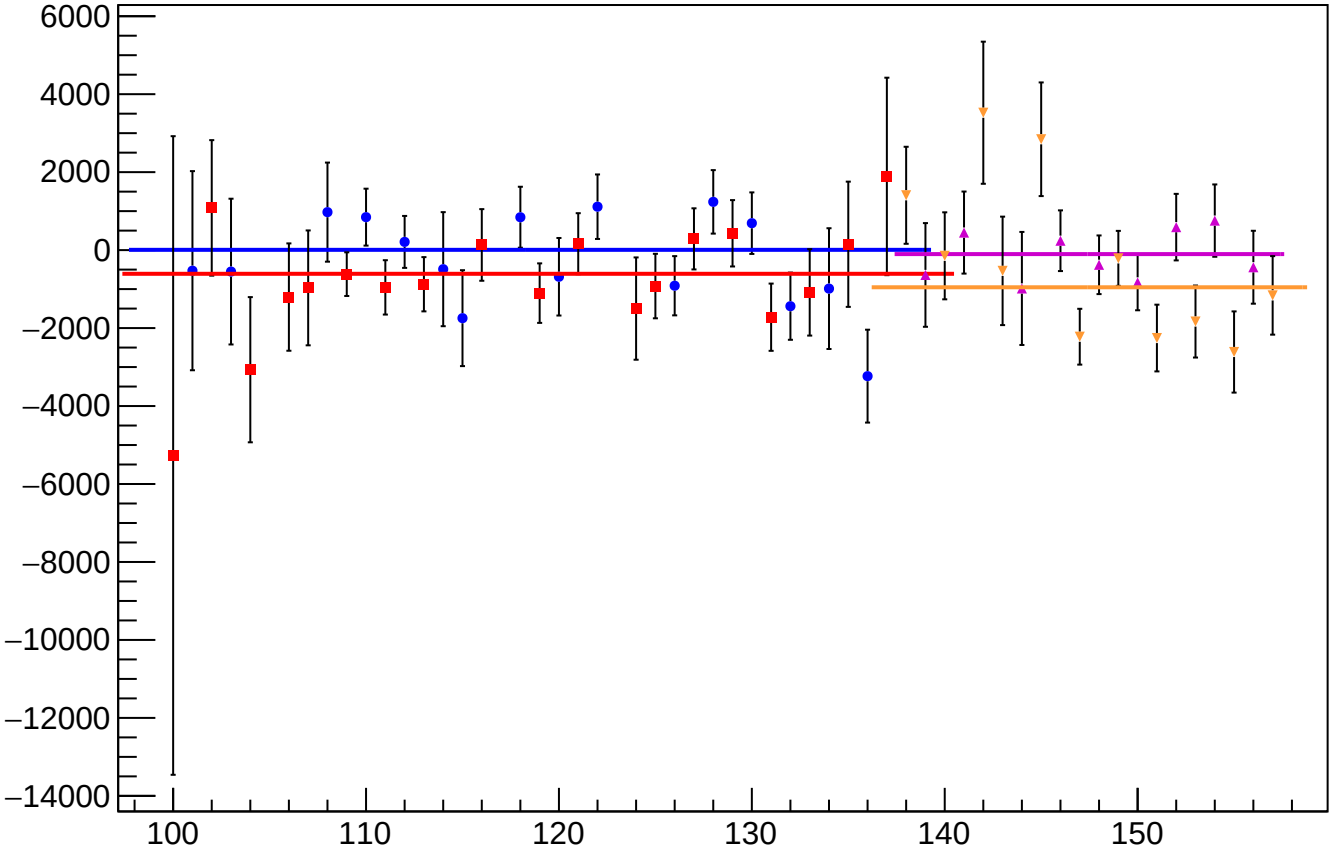
Left In: 2721.360+/-0.687 χ^2/NDF:400.7/8

+ sign 2765.205+/-0.496 χ^2/NDF: 754556.3/26

All: 2764.624+/-0.354 χ^2/NDF: 963826.2/54

- sign 2764.023+/-0.504 χ^2/NDF: 209267.2/27

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -953.490+/-299.567 χ^2/NDF:27.1/10

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

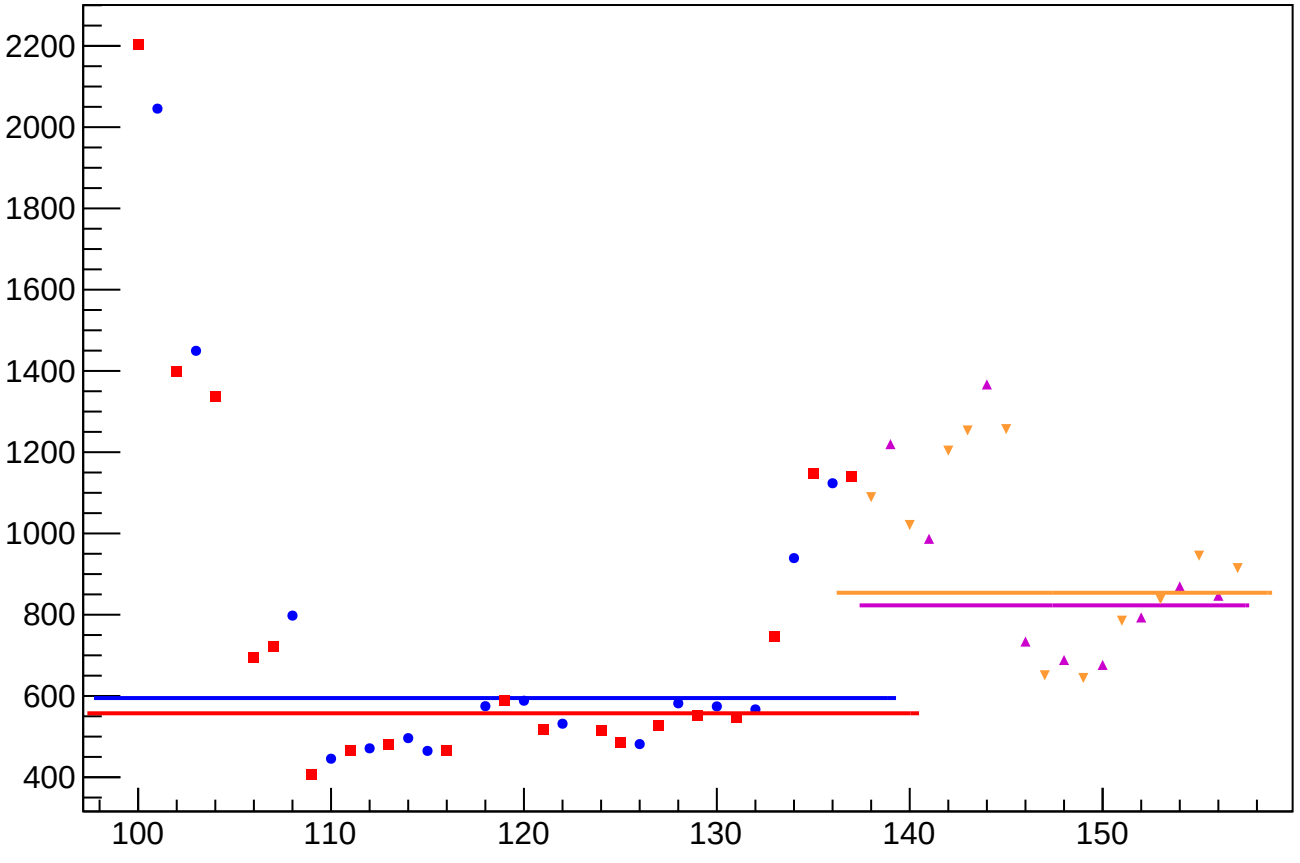
Left In: -102.229+/-301.567 χ^2/NDF:3.8/8

\+ sign -363.593+/-186.086 χ^2/NDF: 56.2/26

All: -401.313+/-127.940 χ^2/NDF: 74.1/54

\- sign -435.128+/-176.189 χ^2/NDF: 17.8/27

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 854.036+/-0.212 χ^2/NDF:881391.0/10

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

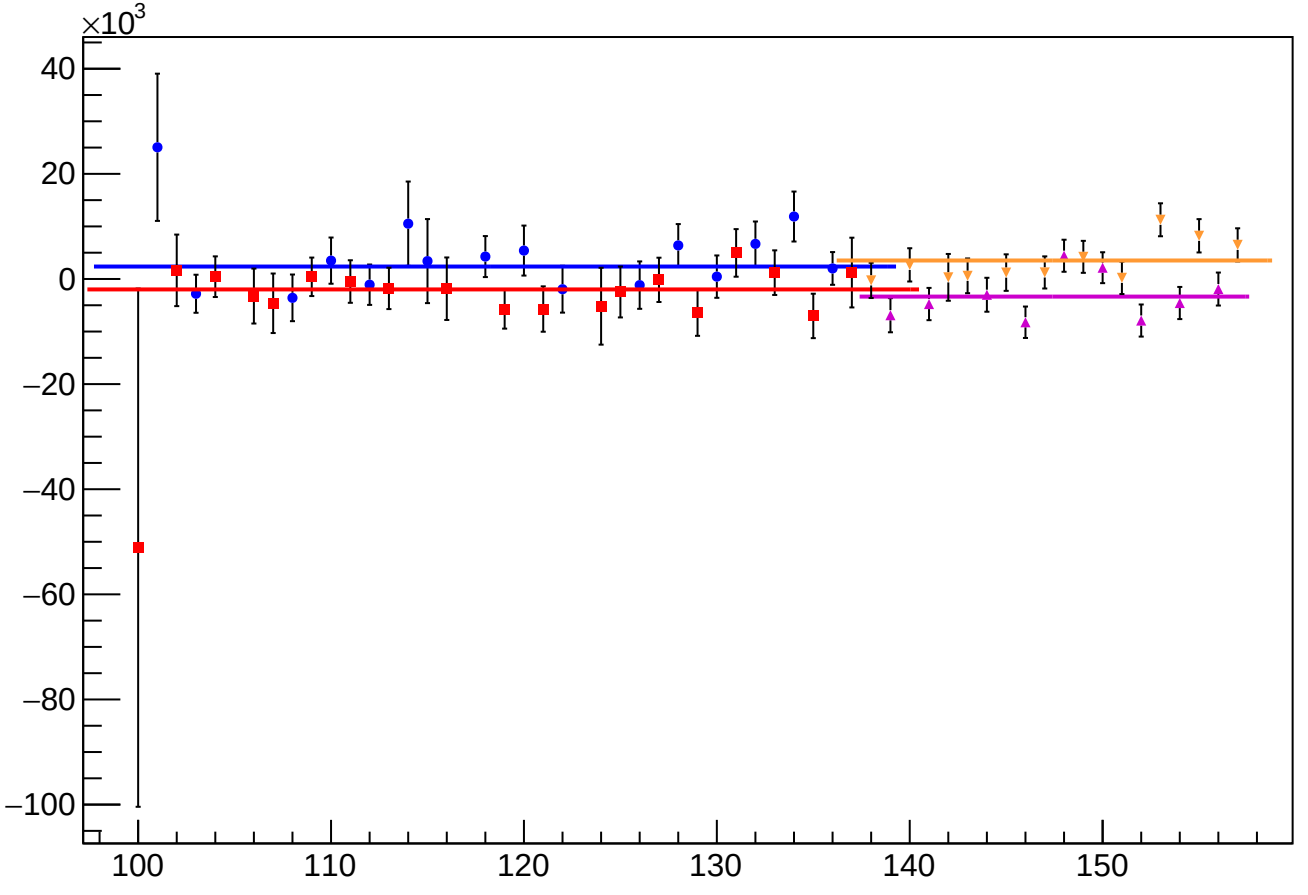
Left In: 823.014+/-0.213 χ^2/NDF:690692.6/8

+ sign 694.866+/-0.132 χ^2/NDF: 3653431.8/26

All: 670.187+/-0.090 χ^2/NDF: 7064106.2/54

- sign 648.063+/-0.125 χ^2/NDF: 3343959.5/27

asym_atr1_mean vs Slug



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3518.058+/-982.463 χ^2/NDF:14.0/10

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

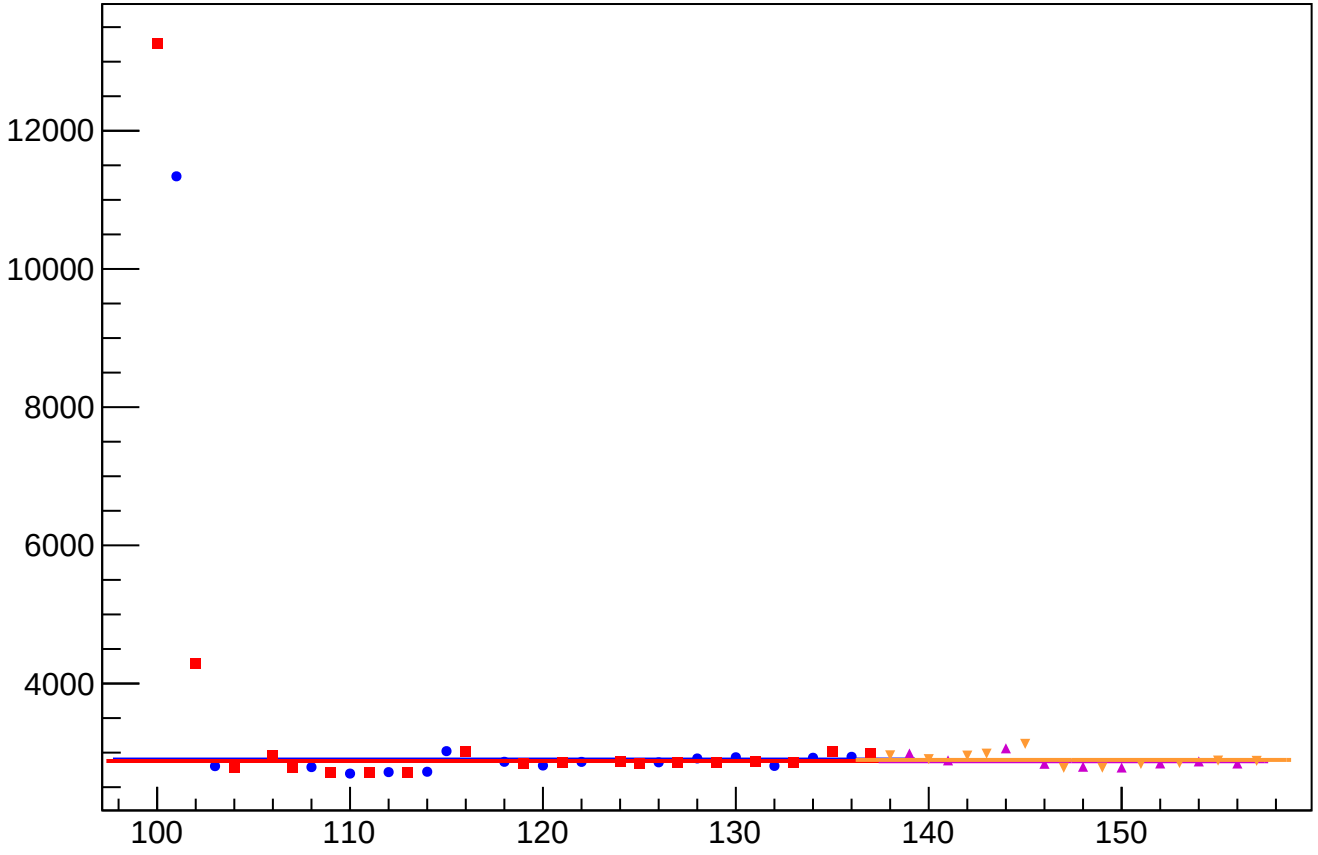
Left In: -3350.376+/-1027.278 χ^2/NDF:16.7/8

+ sign 3010.559+/-734.575 χ^2/NDF: 31.5/26

All: 187.134+/-522.305 χ^2/NDF: 89.2/54

- sign -2699.836+/-742.795 χ^2/NDF: 27.8/27

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2894.433+/-0.695 χ^2/NDF:18391.2/10

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

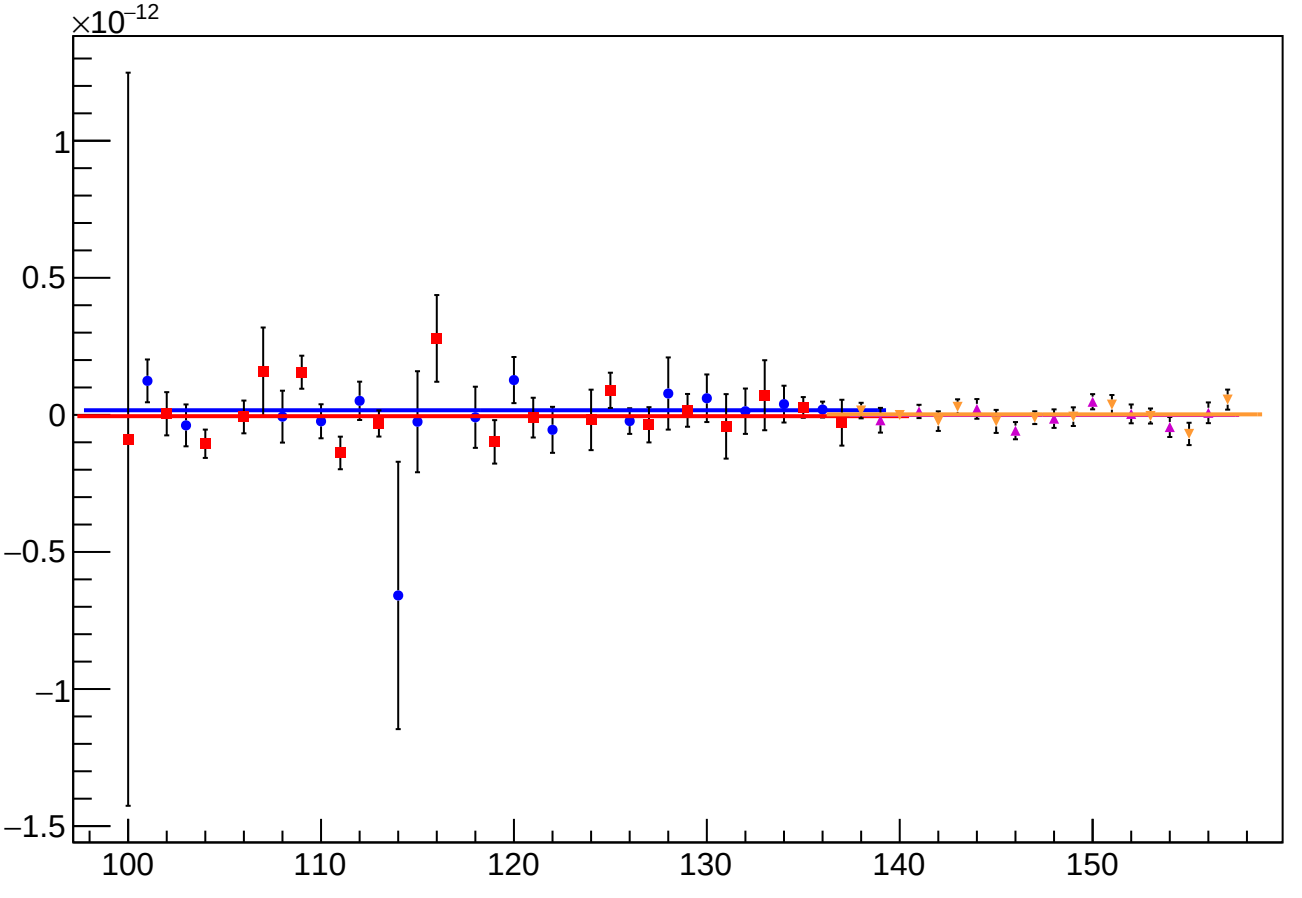
Left In: 2875.320+/-0.726 χ^2/NDF:13111.2/8

+ sign 2896.812+/-0.519 χ^2/NDF: 760235.9/26

All: 2887.044+/-0.369 χ^2/NDF: 967356.8/54

- sign 2877.056+/-0.525 χ^2/NDF: 206405.6/27

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

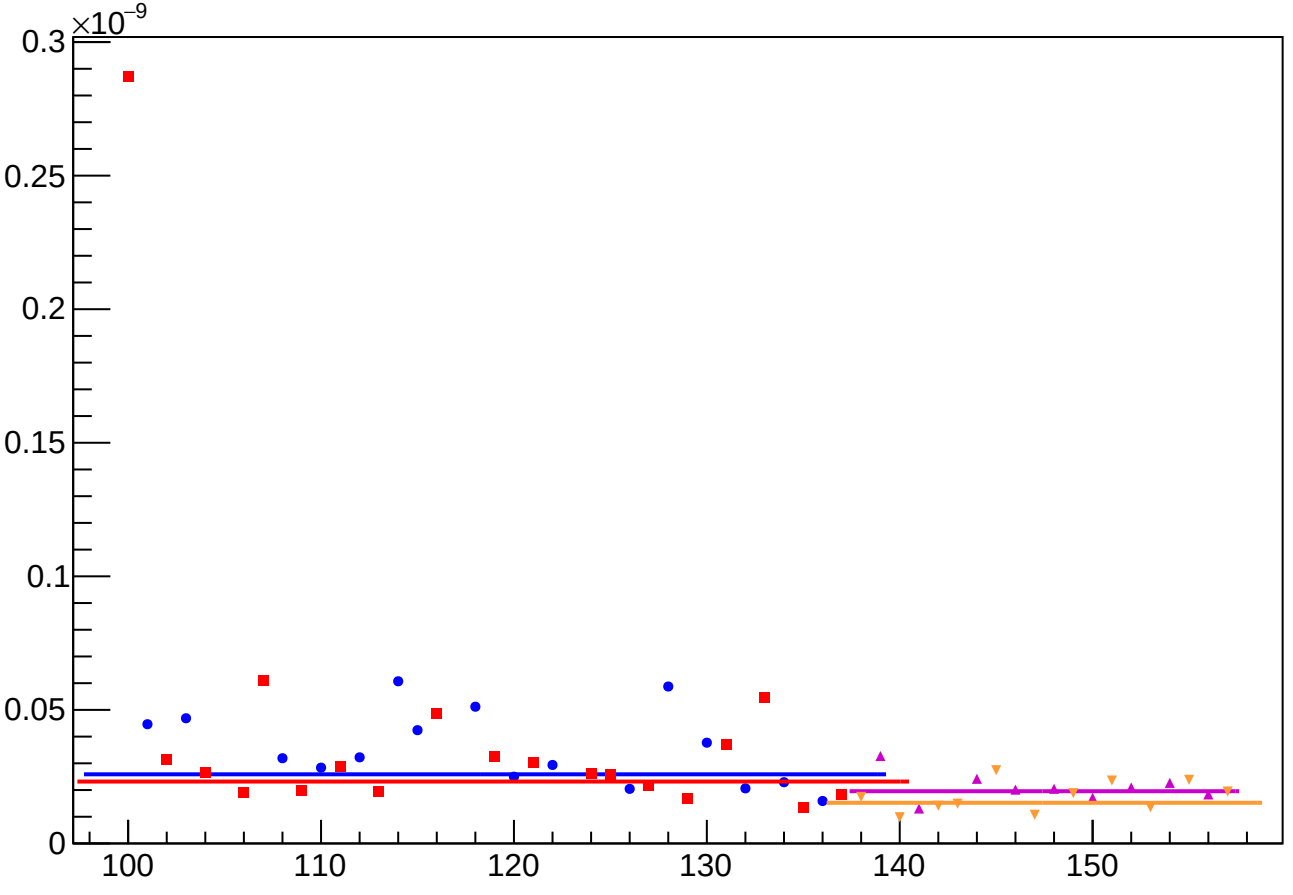
Left In: -0.000+/-0.000 χ^2/NDF:8.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.2/54

- sign -0.000+/-0.000 χ^2/NDF: 34.6/27

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:688793.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

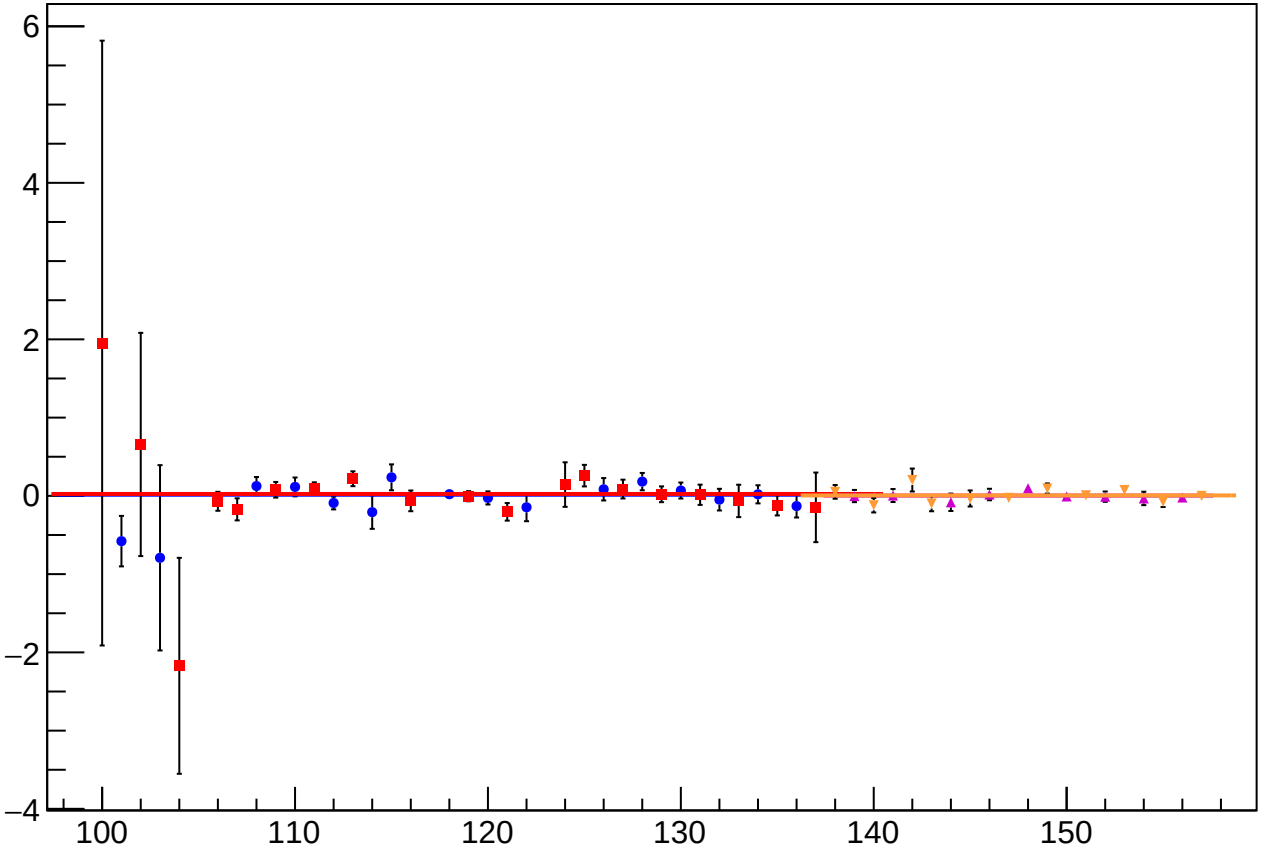
Left In: 0.000+/-0.000 χ^2/NDF:384983.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 2183083.7/26

All: 0.000+/-0.000 χ^2/NDF: 3478891.5/54

- sign 0.000+/-0.000 χ^2/NDF: 1145762.8/27

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

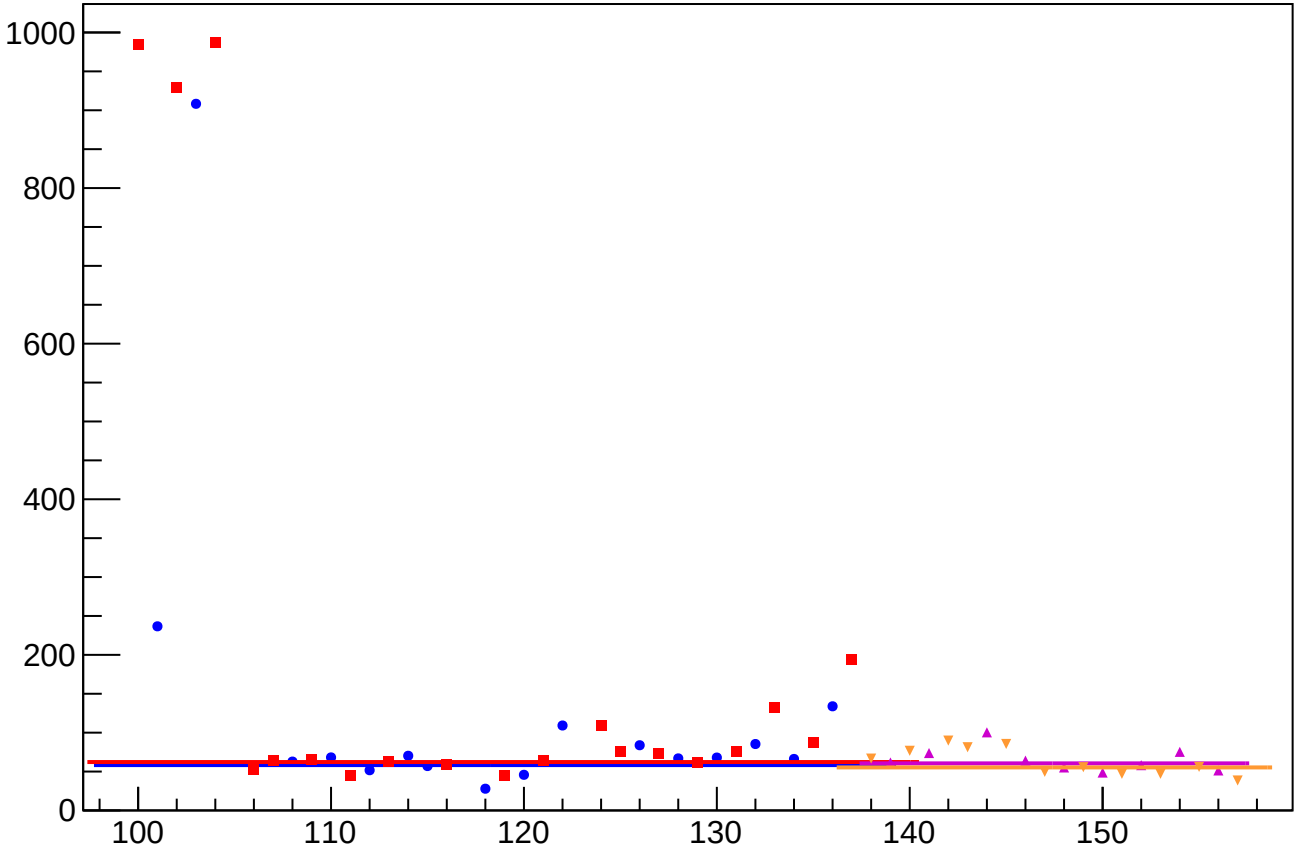
Left In: 0.004+/-0.024 χ^2/NDF:3.2/8

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.011+/-0.012 χ^2/NDF: 49.7/54

- sign 0.012+/-0.018 χ^2/NDF: 24.3/27

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

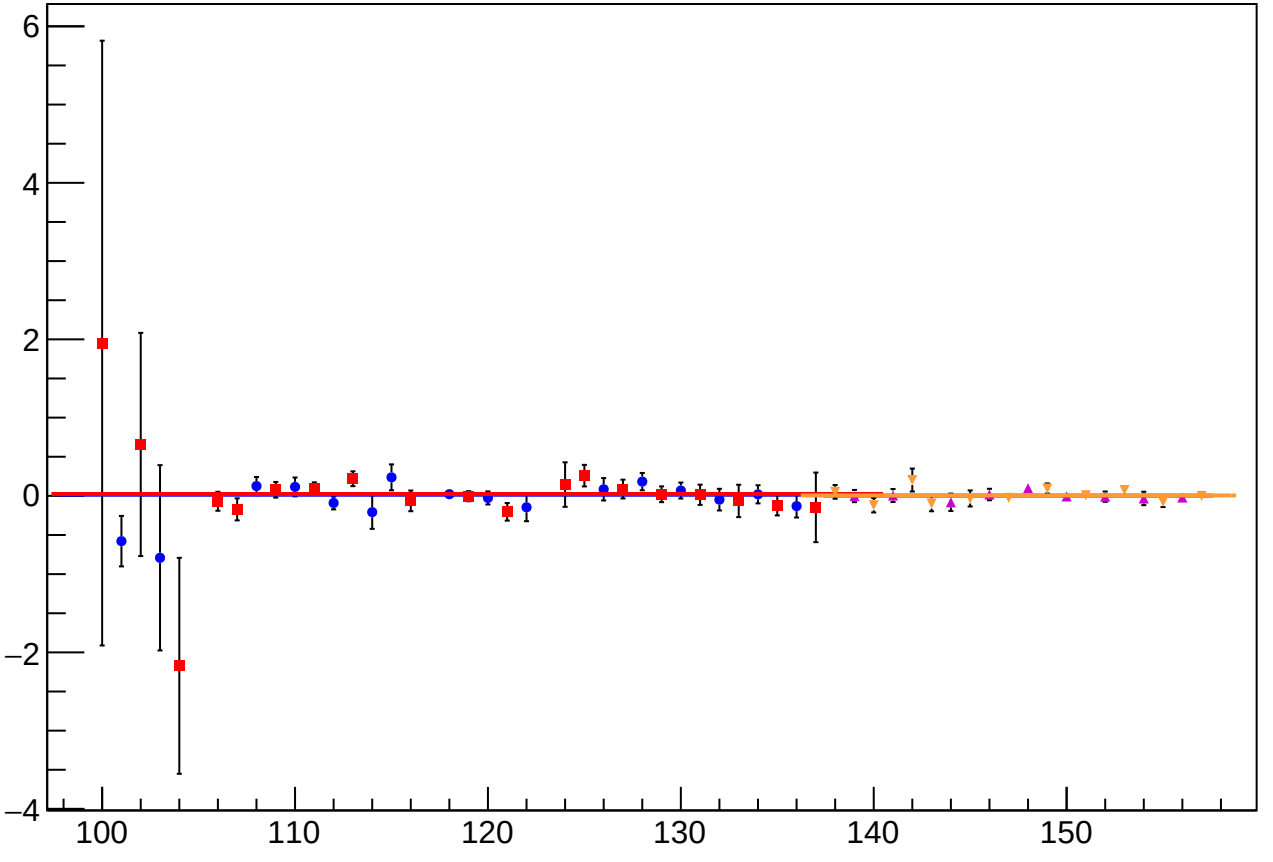
Left In: 60.515+/-0.017 χ^2/NDF:521458.8/8

+ sign 56.443+/-0.012 χ^2/NDF: 4098782.2/26

All: 58.703+/-0.009 χ^2/NDF: 7325524.1/54

- sign 61.234+/-0.013 χ^2/NDF: 3152876.4/27

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

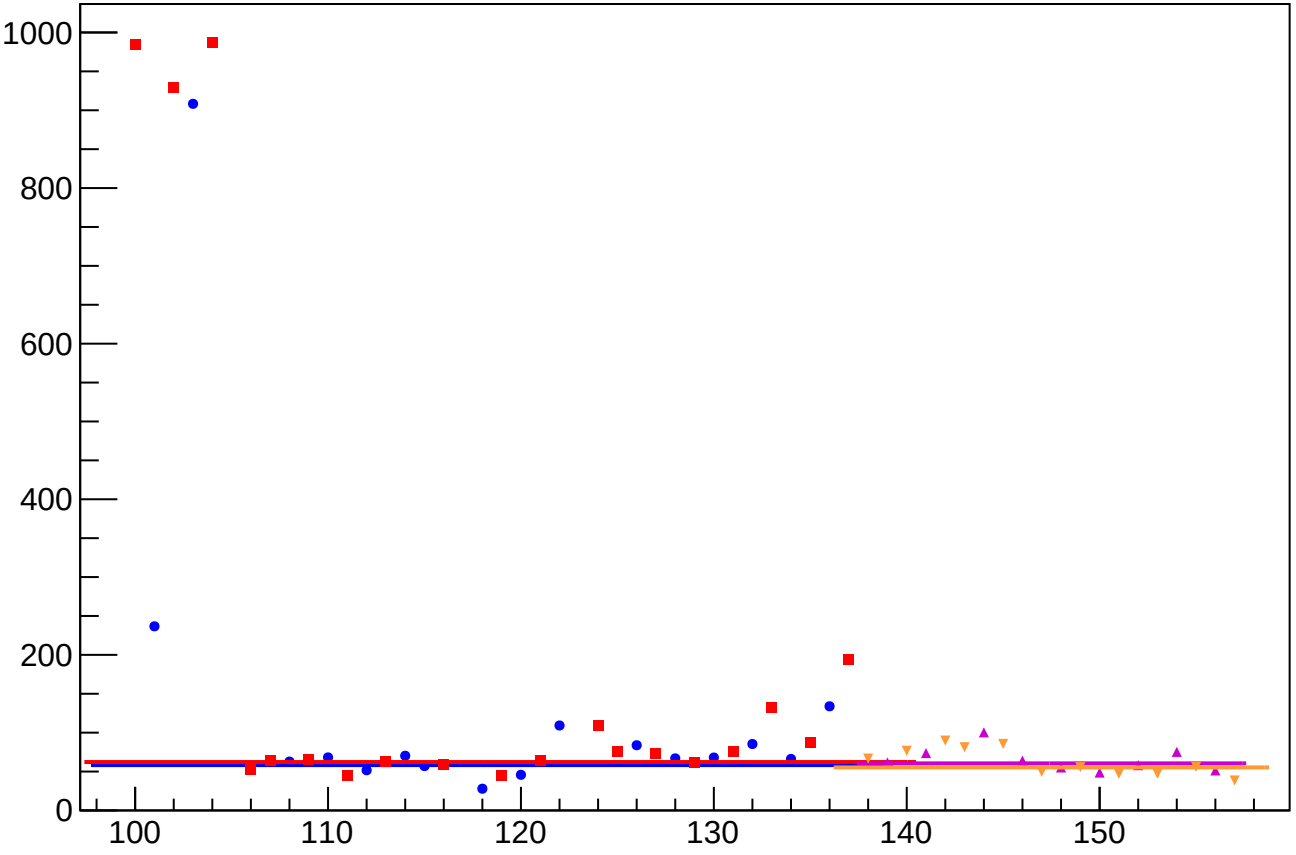
Left In: 0.004+/-0.024 χ^2/NDF:3.2/8

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.011+/-0.012 χ^2/NDF: 49.7/54

- sign 0.012+/-0.018 χ^2/NDF: 24.3/27

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 55.305+/-0.015 χ^2/NDF:823862.3/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

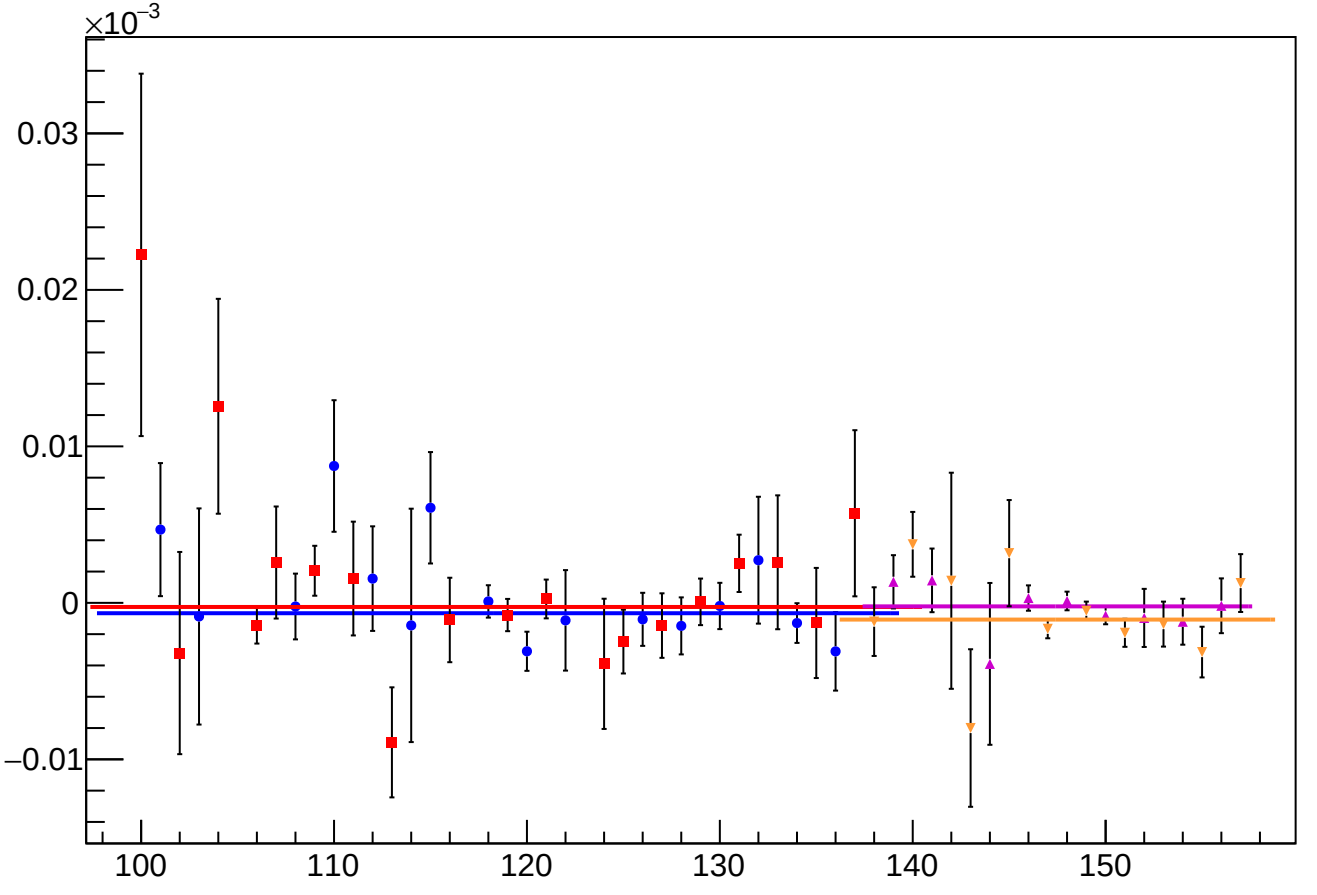
Left In: 60.515+/-0.017 χ^2/NDF:521458.8/8

+ sign 56.443+/-0.012 χ^2/NDF: 4098782.2/26

All: 58.703+/-0.009 χ^2/NDF: 7325524.1/54

- sign 61.234+/-0.013 χ^2/NDF: 3152876.4/27

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

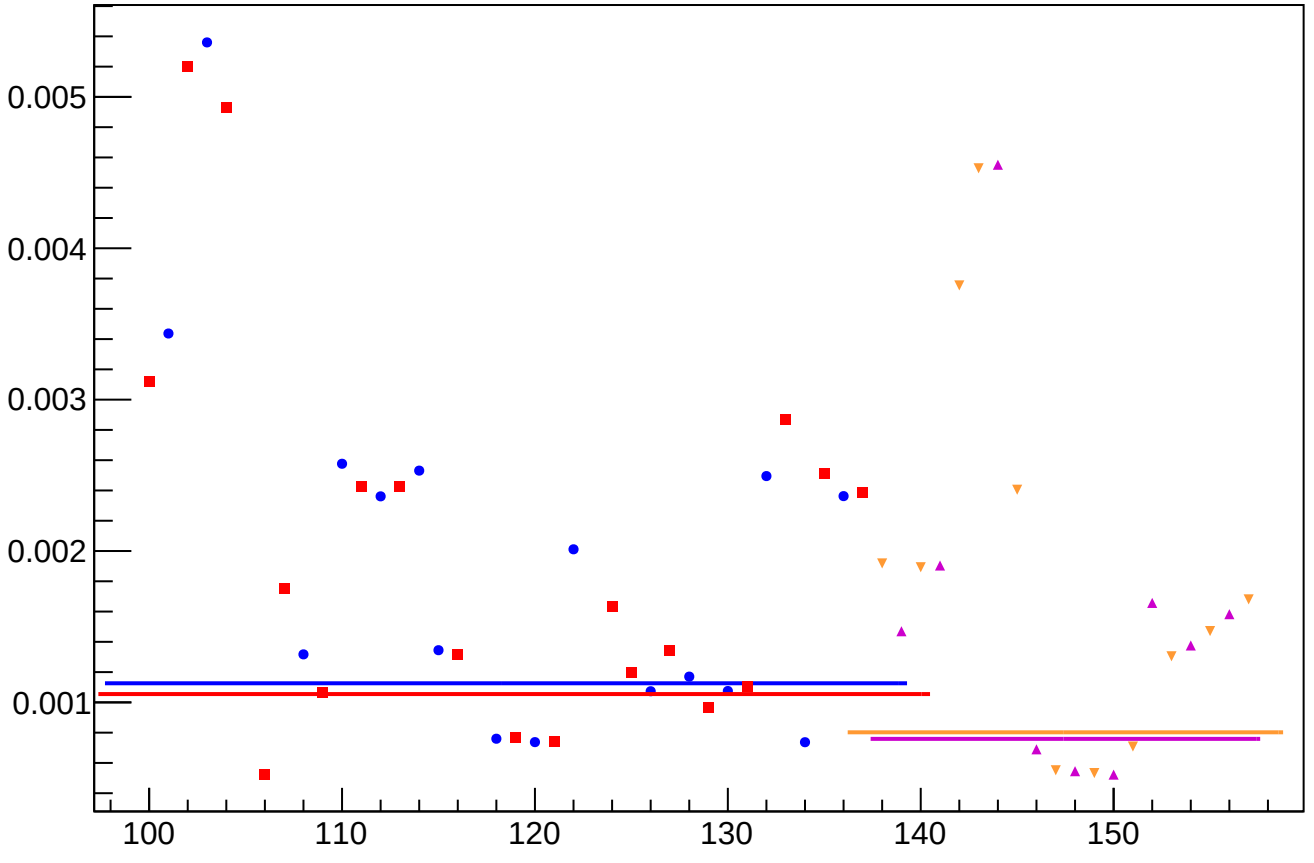
Left In: -0.000+/-0.000 χ^2/NDF:4.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/26

All: -0.000+/-0.000 χ^2/NDF: 65.1/54

- sign -0.000+/-0.000 χ^2/NDF: 29.1/27

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:4804779.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

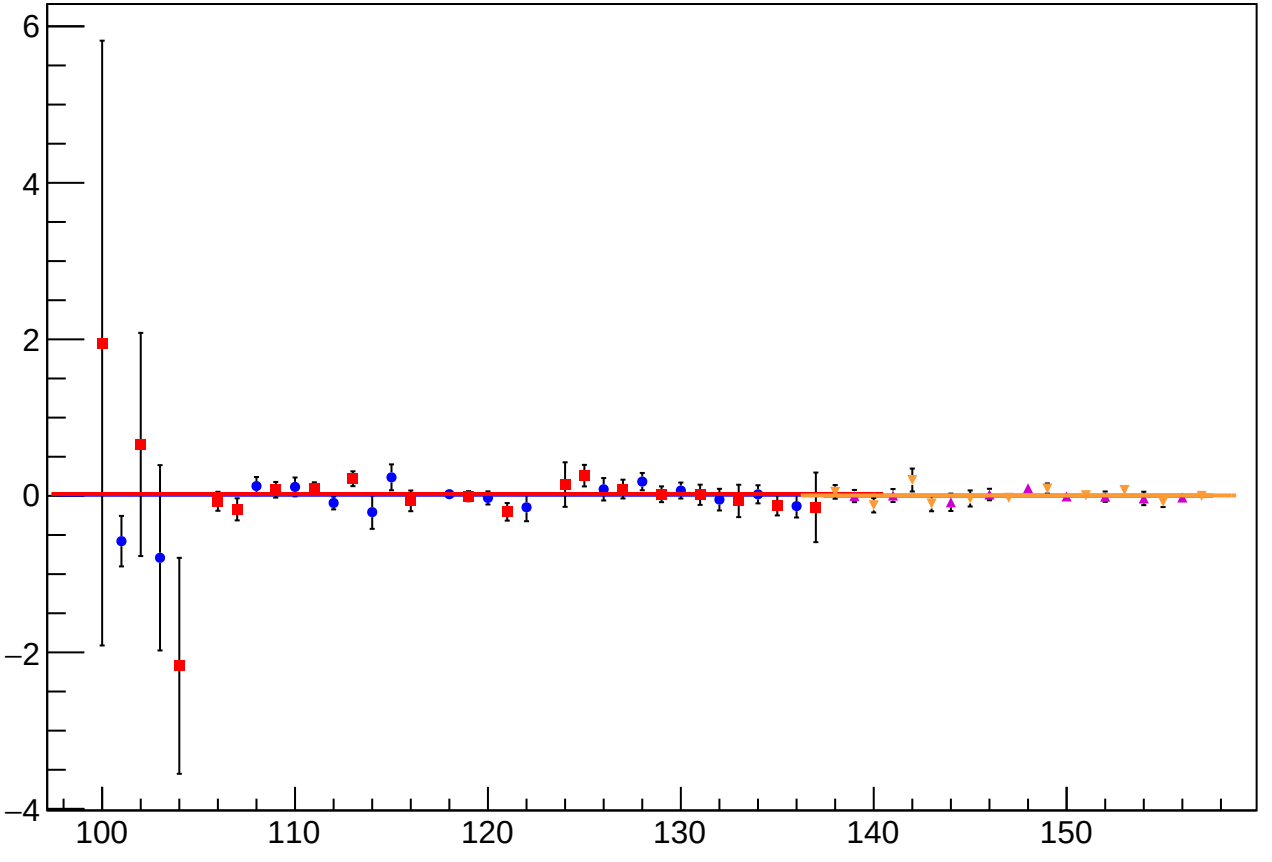
Left In: 0.001+/-0.000 χ^2/NDF:3961031.5/8

+ sign 0.001+/-0.000 χ^2/NDF: 8847626.0/26

All: 0.001+/-0.000 χ^2/NDF: 17233239.0/54

- sign 0.001+/-0.000 χ^2/NDF: 8351682.3/27

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

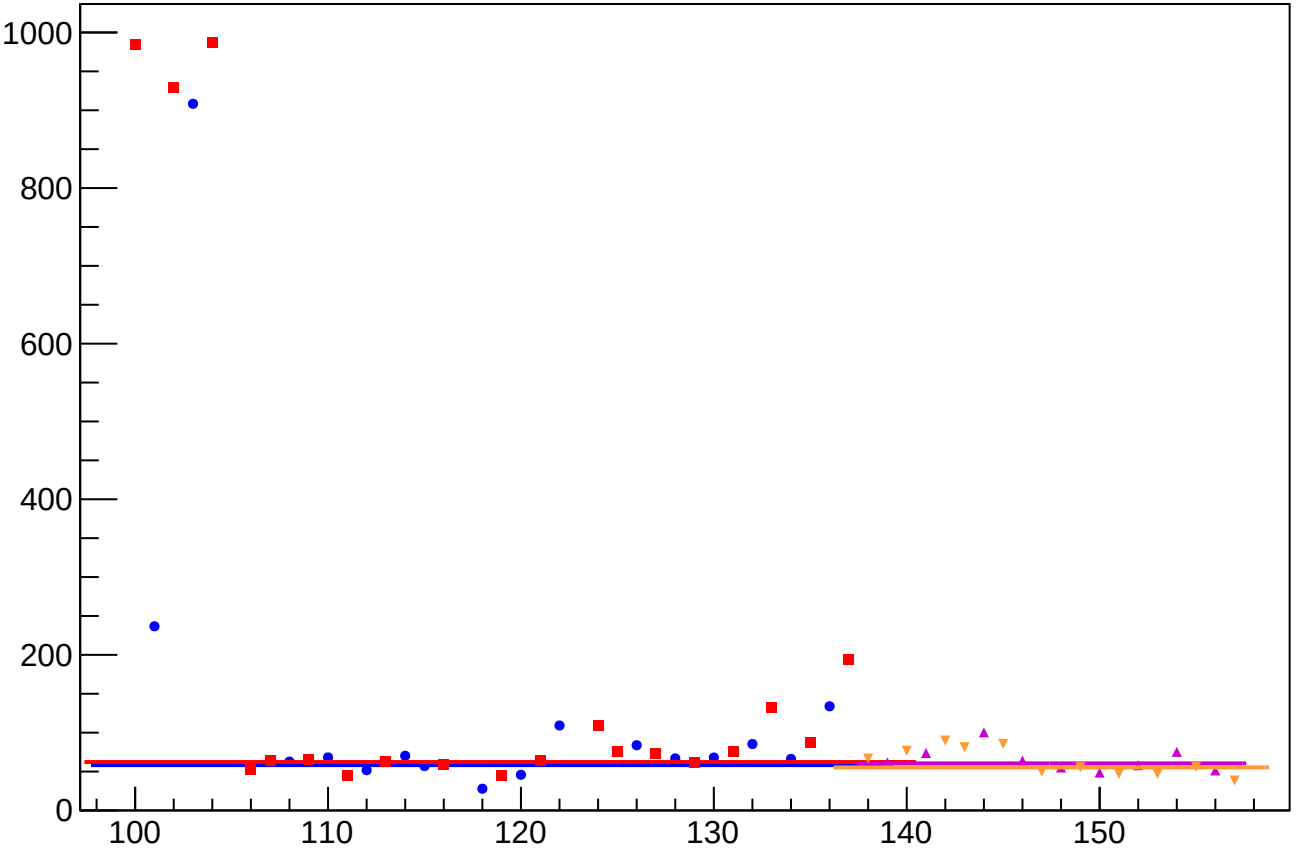
Left In: 0.004+/-0.024 χ^2/NDF:3.2/8

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.011+/-0.012 χ^2/NDF: 49.7/54

- sign 0.012+/-0.018 χ^2/NDF: 24.3/27

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

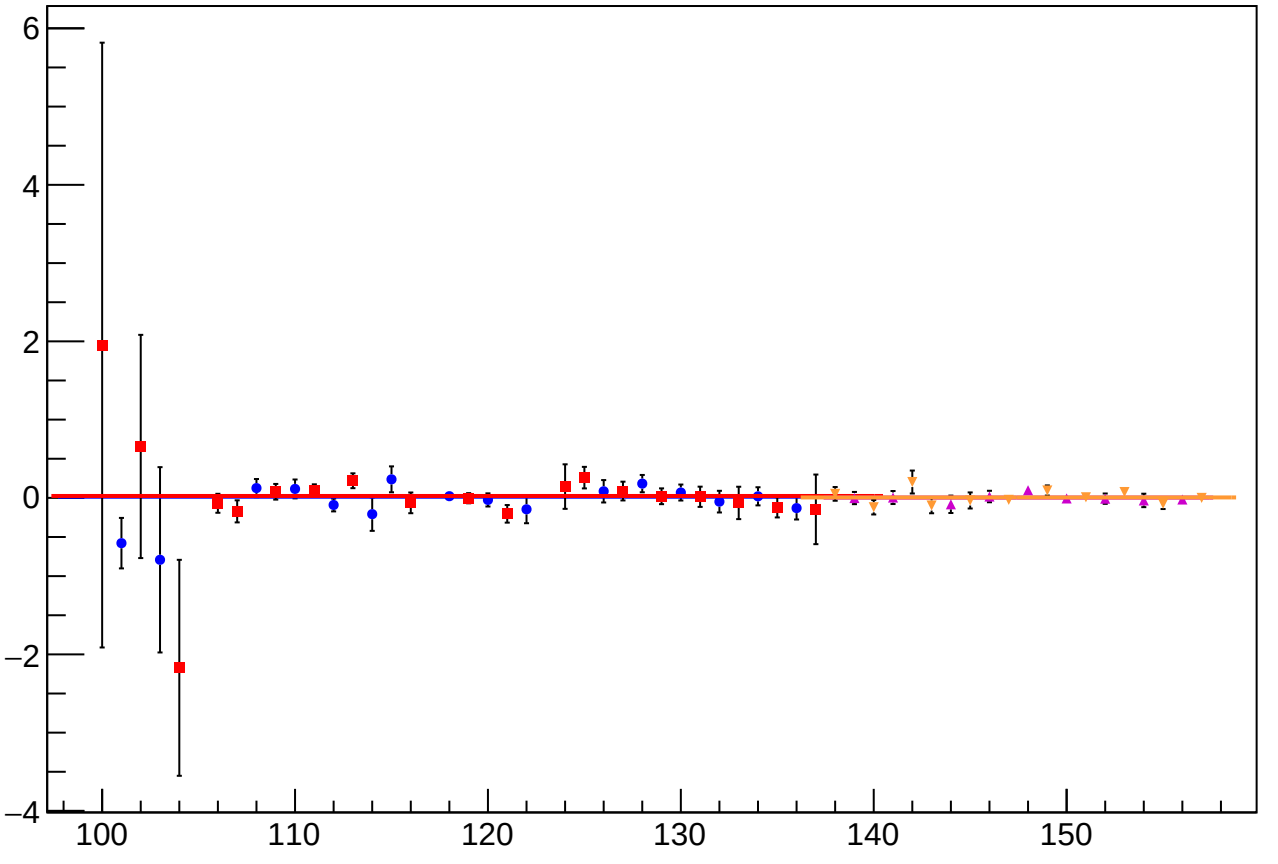
Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.515+/-0.017 χ^2/NDF:521479.1/8

+ sign 56.442+/-0.012 χ^2/NDF: 4098918.4/26

All: 58.702+/-0.009 χ^2/NDF: 7325697.2/54

- sign 61.234+/-0.013 χ^2/NDF: 3152887.4/27



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.022 χ^2/NDF:10.2/10

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

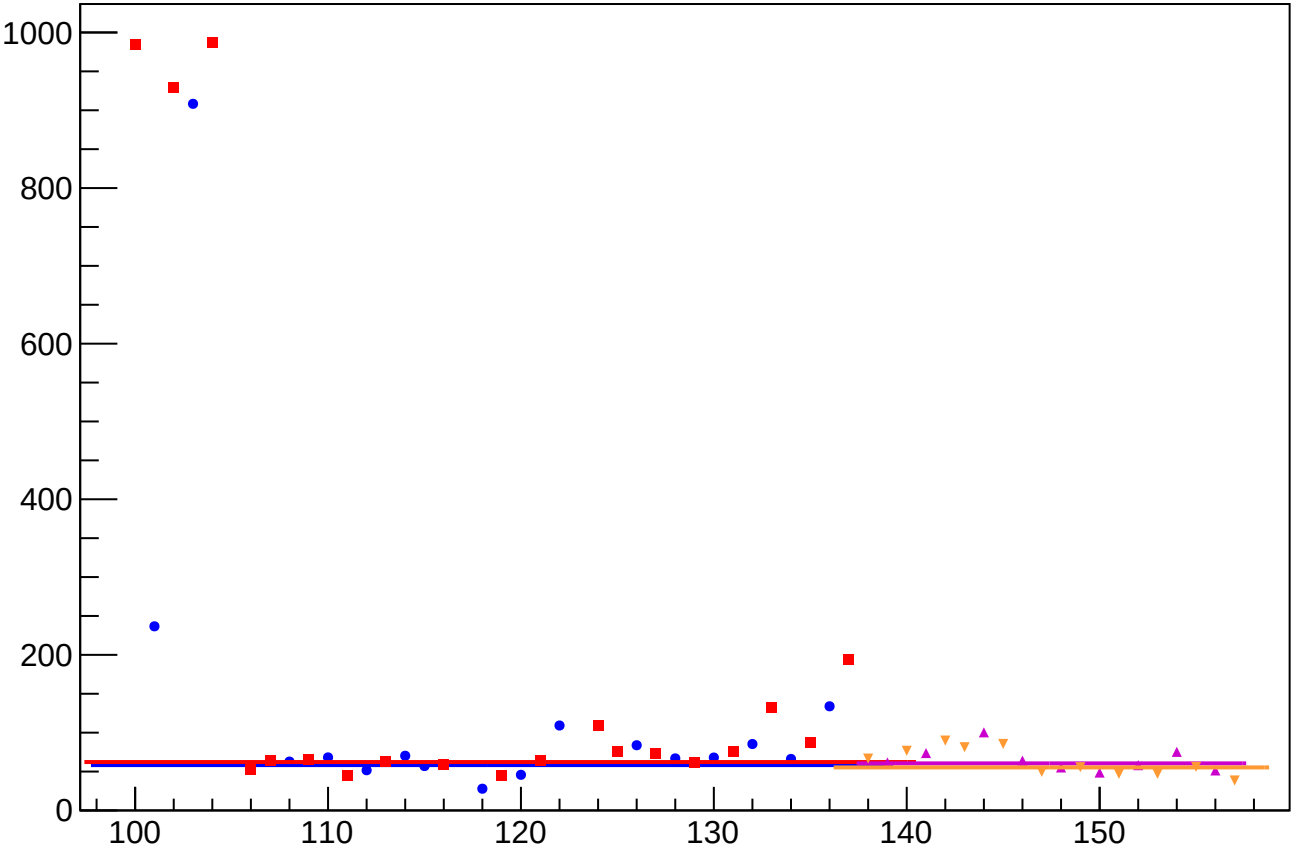
Left In: 0.004+/-0.024 χ^2/NDF:3.2/8

+ sign 0.009+/-0.017 χ^2/NDF: 25.3/26

All: 0.011+/-0.012 χ^2/NDF: 49.7/54

- sign 0.012+/-0.018 χ^2/NDF: 24.3/27

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 55.305+/-0.015 χ^2/NDF:823918.6/10

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

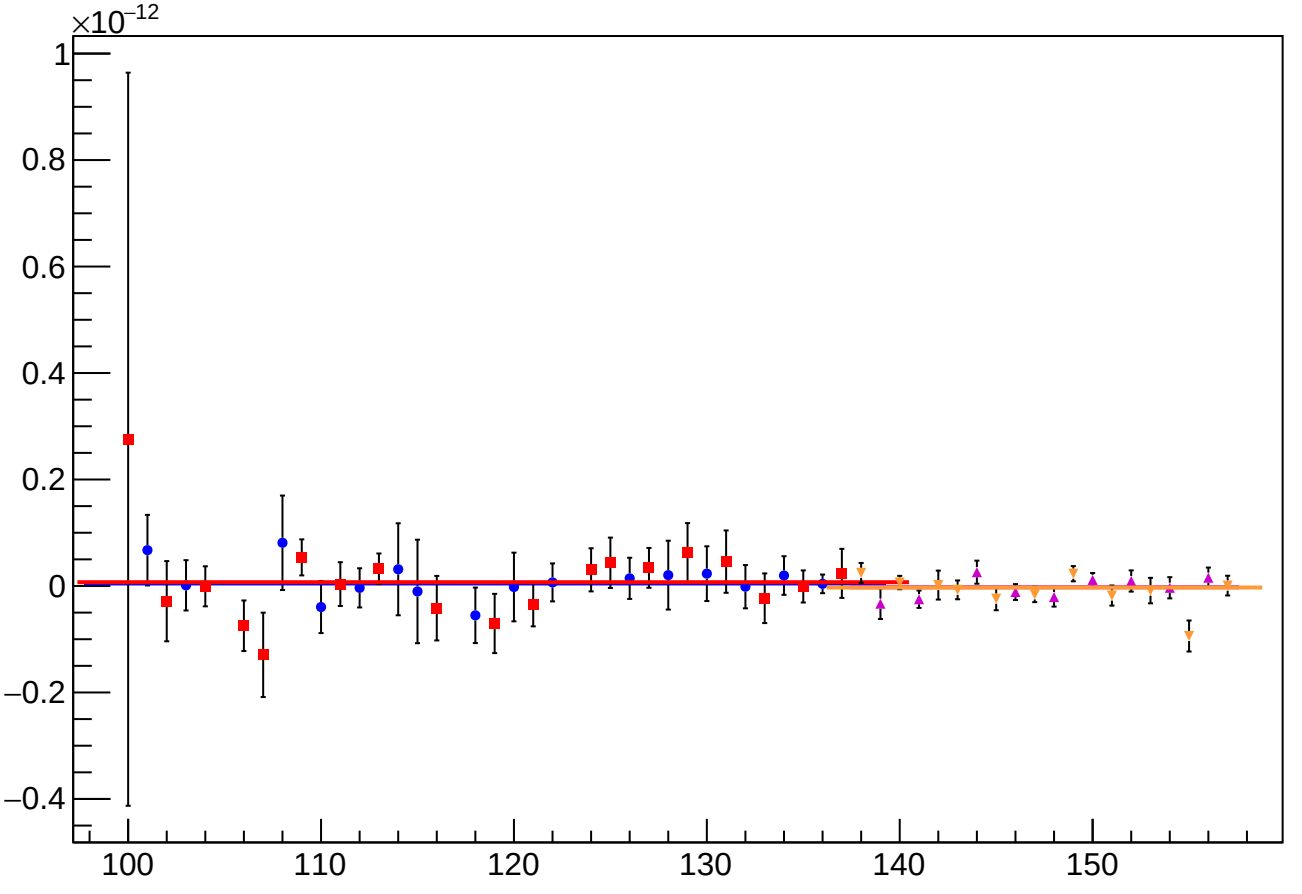
Left In: 60.515+/-0.017 χ^2/NDF:521479.1/8

+ sign 56.442+/-0.012 χ^2/NDF: 4098918.4/26

All: 58.702+/-0.009 χ^2/NDF: 7325697.2/54

- sign 61.234+/-0.013 χ^2/NDF: 3152887.4/27

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

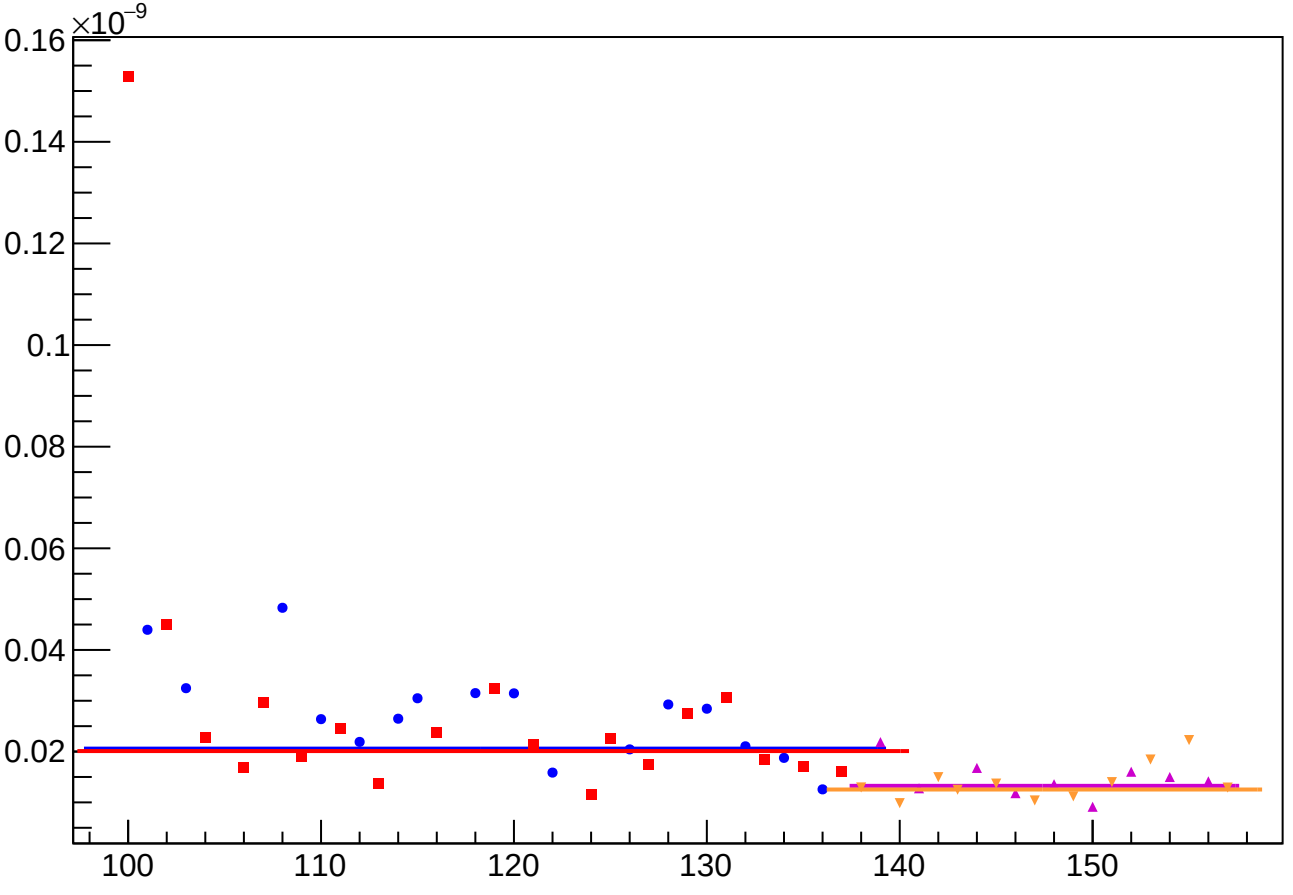
Left In: -0.000+/-0.000 χ^2/NDF:8.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/26

All: -0.000+/-0.000 χ^2/NDF: 48.5/54

- sign 0.000+/-0.000 χ^2/NDF: 25.3/27

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:532709.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

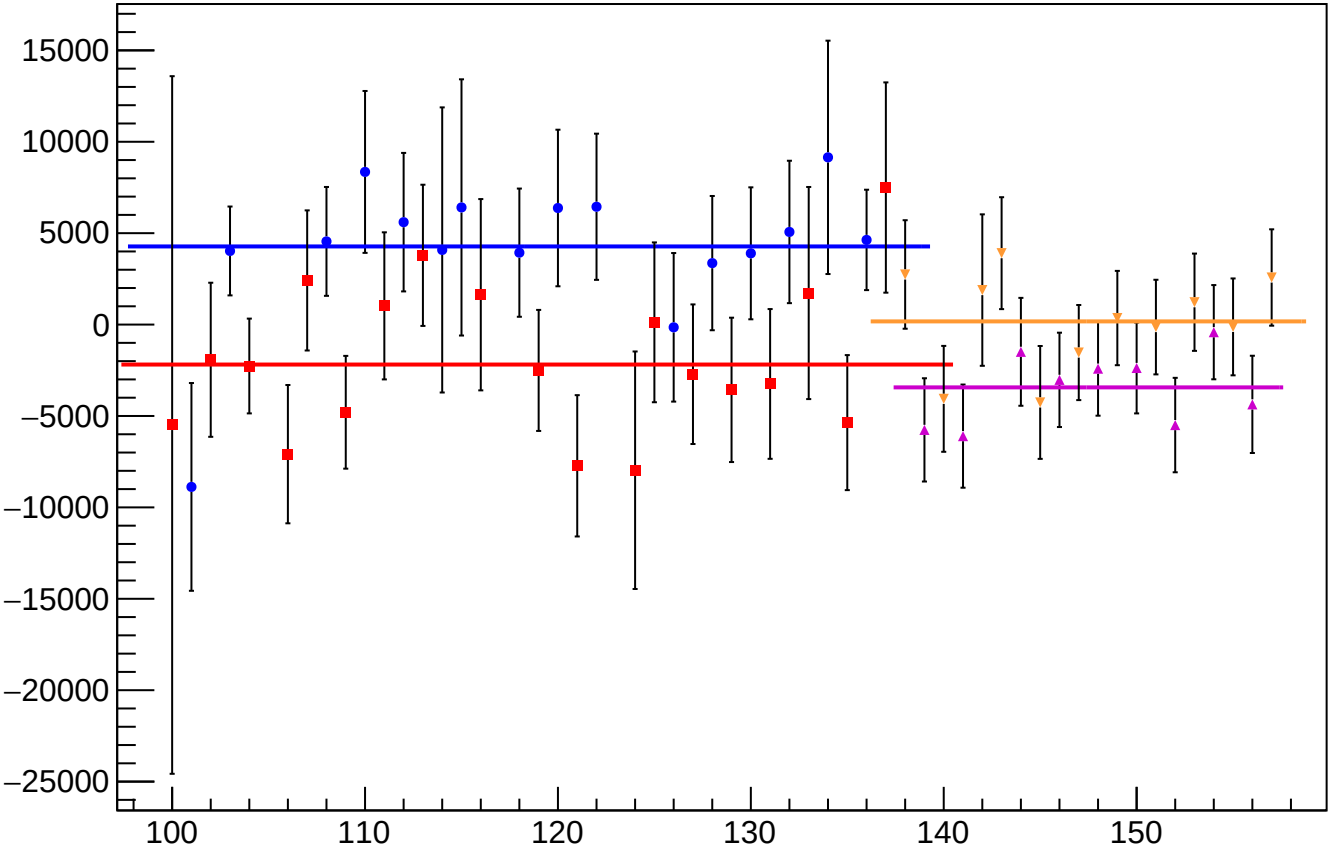
Left In: 0.000+/-0.000 χ^2/NDF:511722.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 2815248.4/26

All: 0.000+/-0.000 χ^2/NDF: 4841011.8/54

- sign 0.000+/-0.000 χ^2/NDF: 2004983.8/27

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.965+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

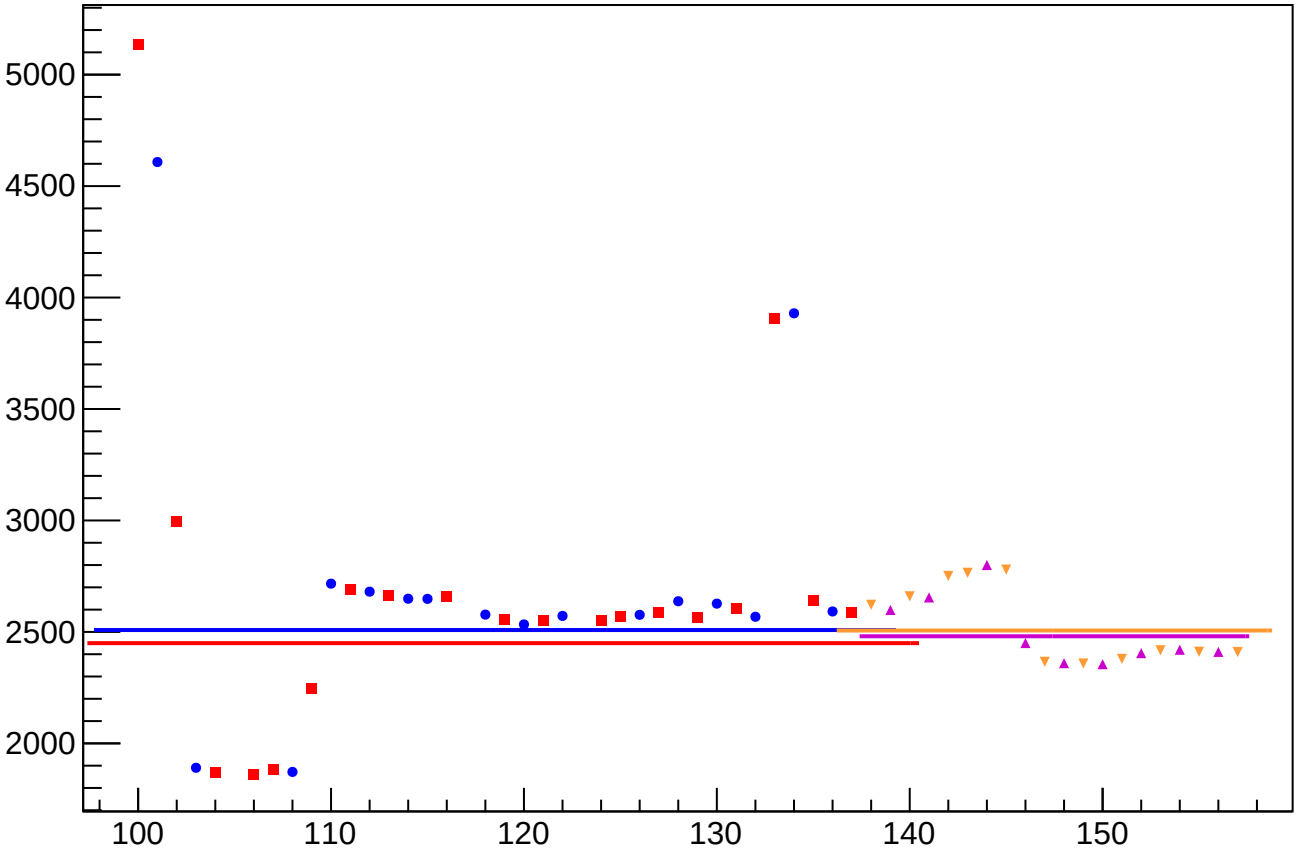
Left In: -3435.549+/-887.170 χ^2/NDF:4.5/8

+ sign 1997.606+/-634.851 χ^2/NDF: 27.2/26

All: -401.768+/-450.478 χ^2/NDF: 76.3/54

- sign -2835.019+/-639.317 χ^2/NDF: 20.3/27

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

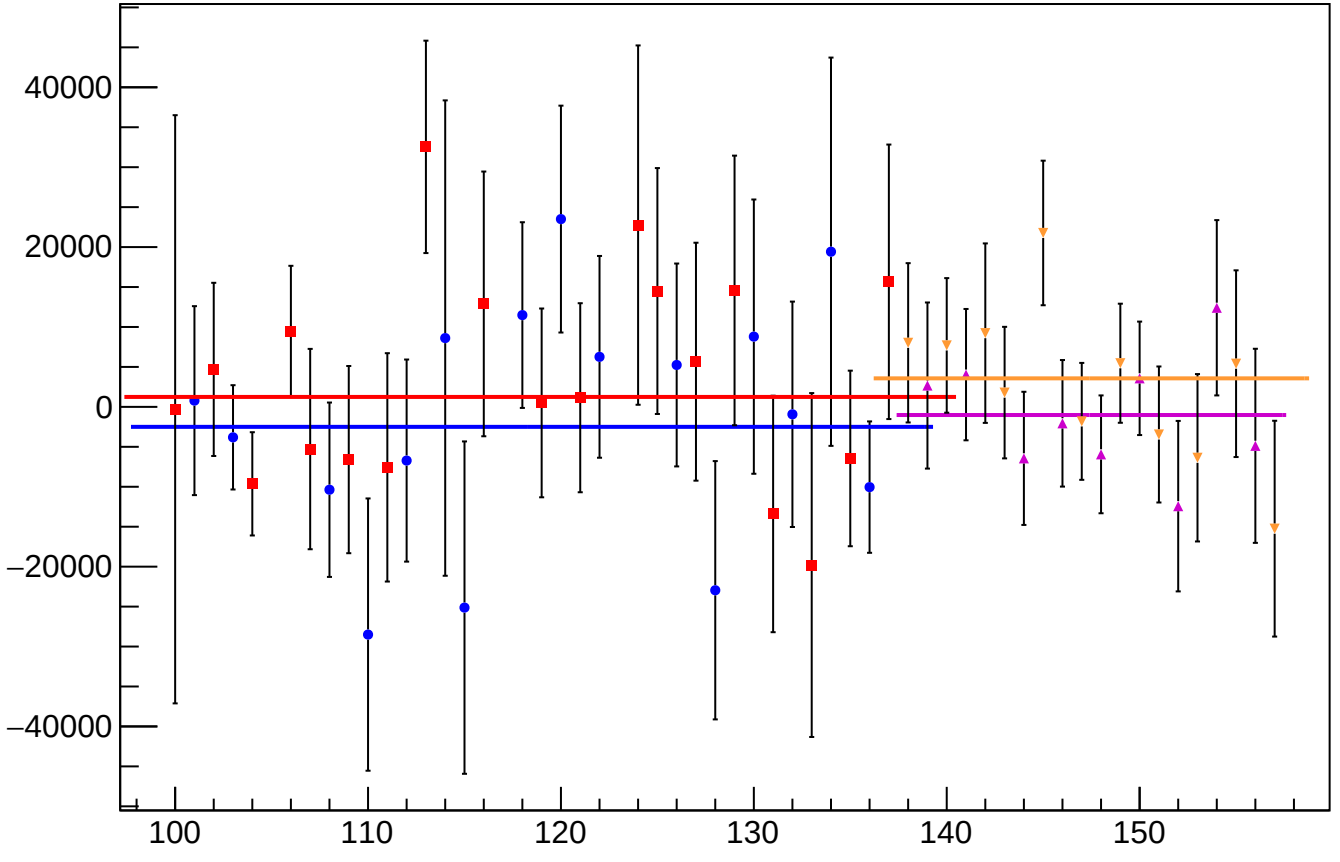
Left In: 2480.503+/-0.627 χ^2/NDF:48513.5/8

+ sign 2507.339+/-0.449 χ^2/NDF: 681907.0/26

All: 2486.645+/-0.319 χ^2/NDF: 1172766.4/54

- sign 2465.659+/-0.452 χ^2/NDF: 486579.4/27

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 3569.654+/-2758.111 χ^2/NDF:8.9/10

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

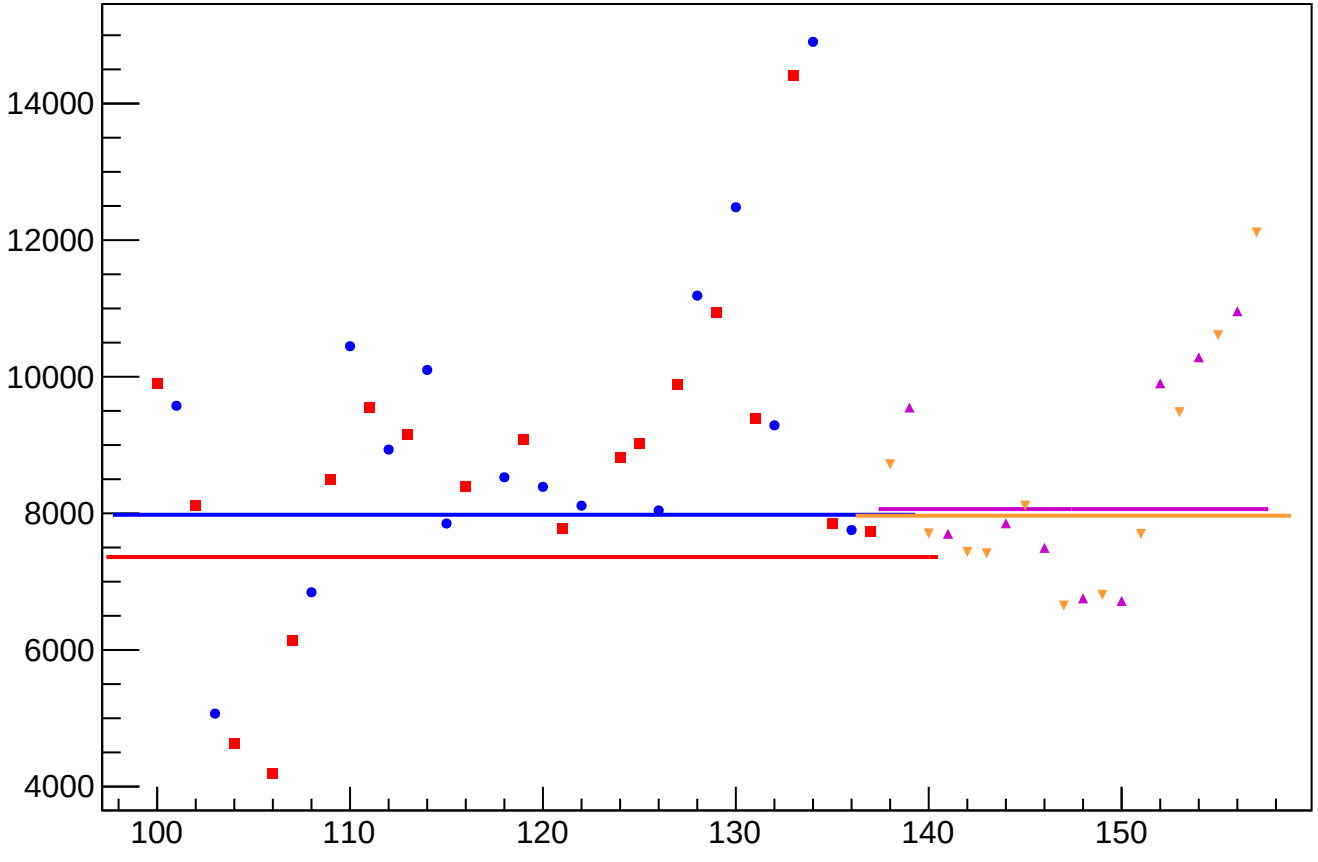
Left In: -1019.292+/-2930.006 χ^2/NDF:4.5/8

+ sign 863.894+/-2053.375 χ^2/NDF: 24.9/26

All: 501.675+/-1448.616 χ^2/NDF: 46.4/54

- sign 142.771+/-2043.962 χ^2/NDF: 21.4/27

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7965.941+/-1.950 χ^2/NDF:474856.6/10

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

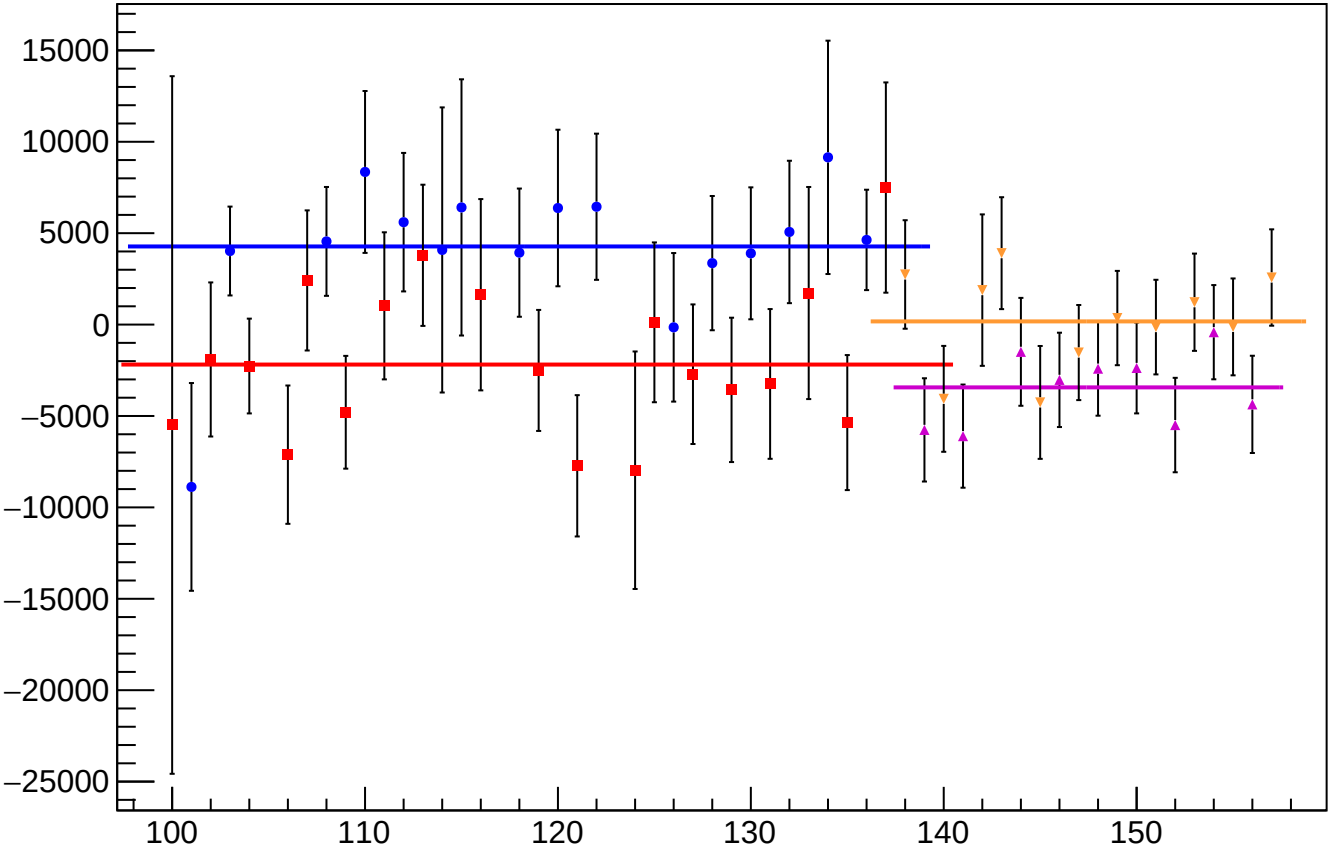
Left In: 8062.515+/-2.072 χ^2/NDF:446235.6/8

+ sign 7971.980+/-1.452 χ^2/NDF: 1397962.0/26

All: 7836.497+/-1.024 χ^2/NDF: 3206439.3/54

- sign 7702.253+/-1.445 χ^2/NDF: 1791143.2/27

cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

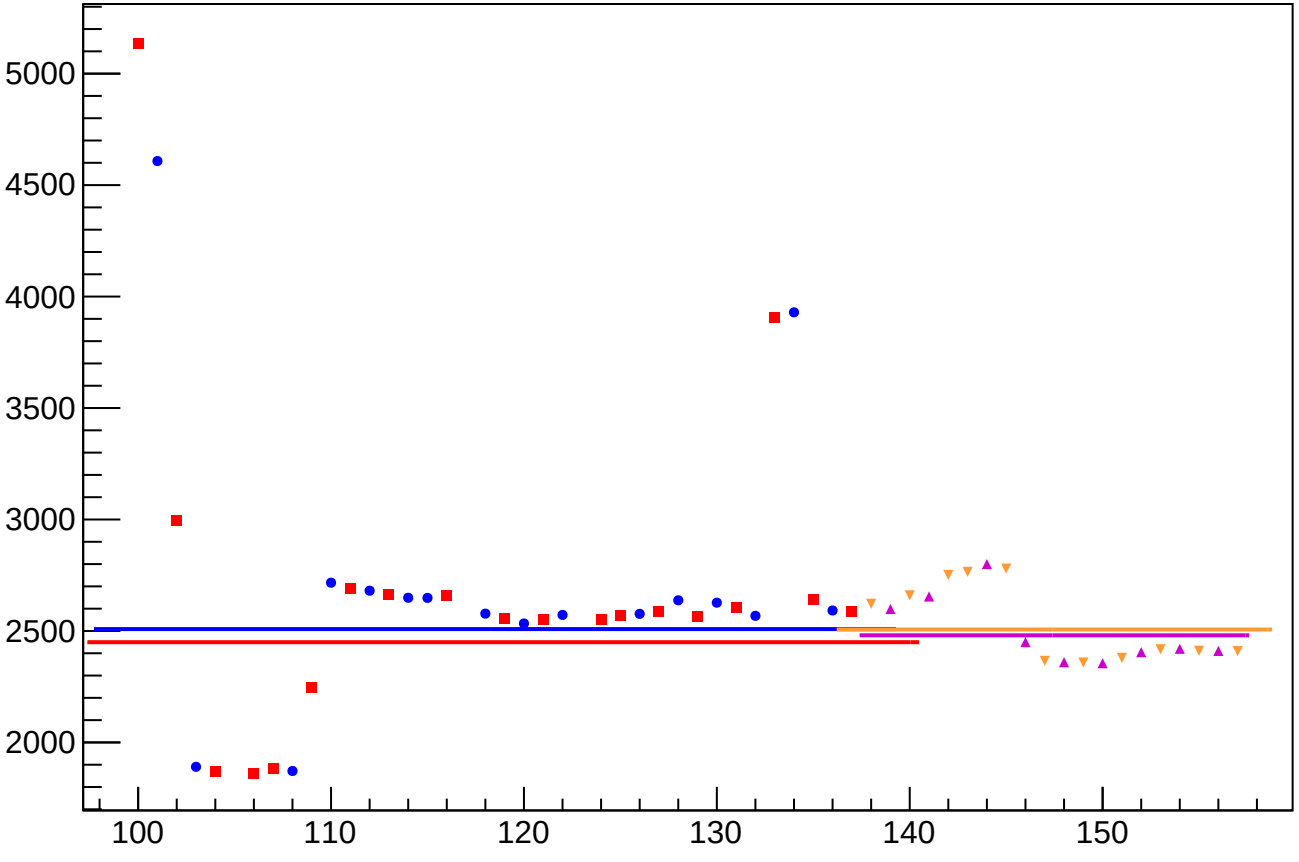
Left In: -3435.650+/-887.170 χ^2/NDF:4.5/8

+ sign 1997.282+/-634.851 χ^2/NDF: 27.2/26

All: -402.099+/-450.479 χ^2/NDF: 76.3/54

- sign -2835.376+/-639.320 χ^2/NDF: 20.3/27

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

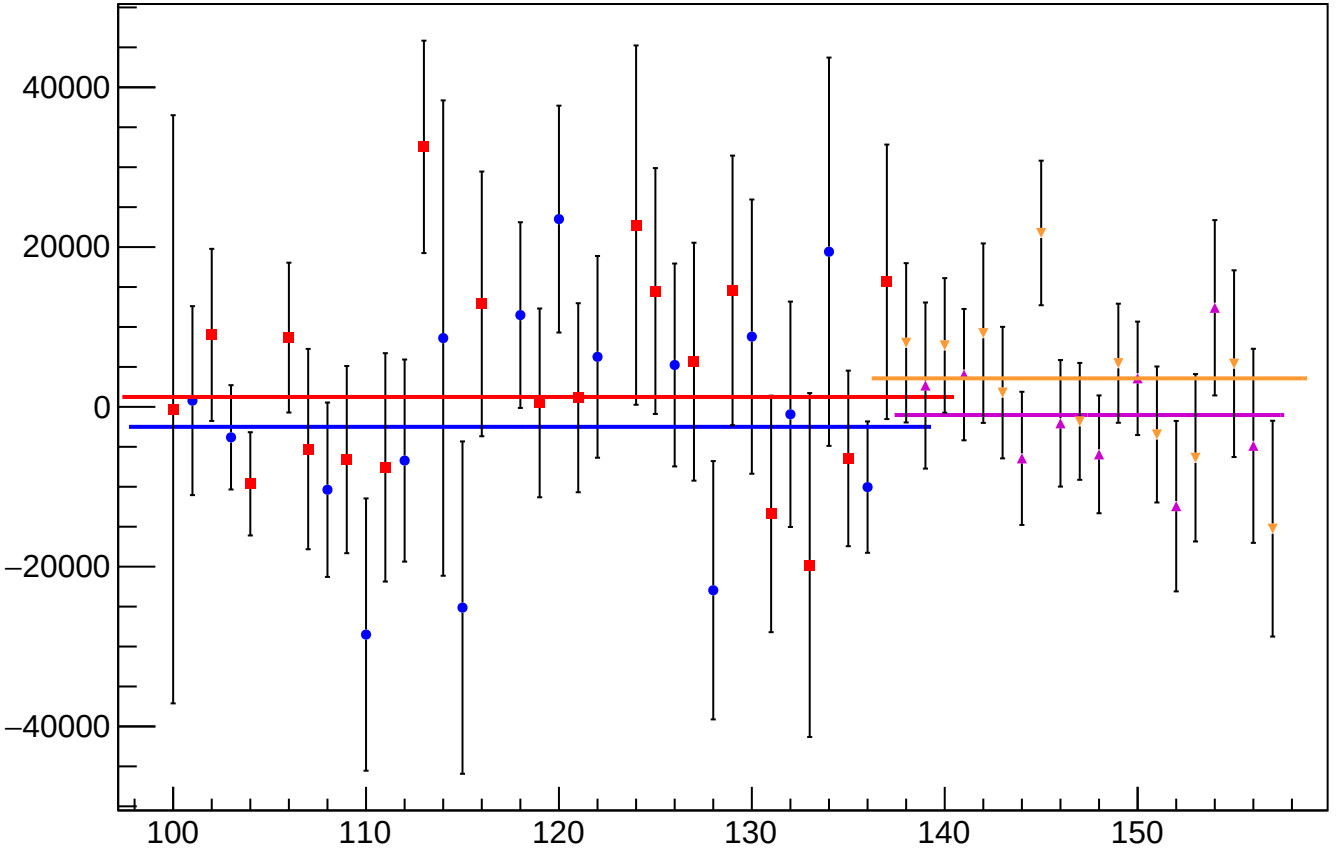
Left In: 2480.503+/-0.627 χ^2/NDF:48513.5/8

+ sign 2507.339+/-0.449 χ^2/NDF: 681904.8/26

All: 2486.651+/-0.319 χ^2/NDF: 1172705.6/54

- sign 2465.671+/-0.452 χ^2/NDF: 486523.1/27

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

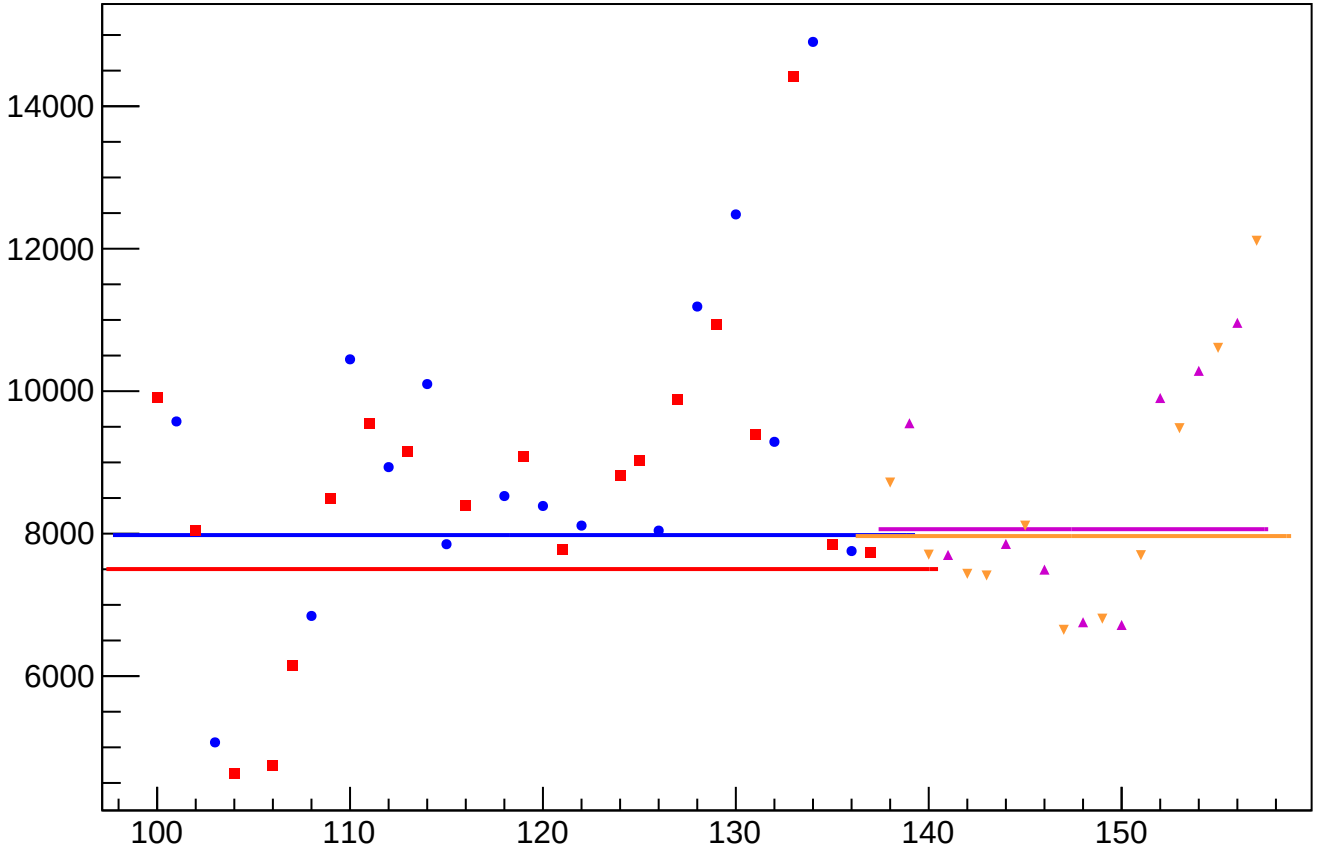
Left In: -1019.478+/-2930.006 χ^2/NDF:4.5/8

+ sign 864.058+/-2053.399 χ^2/NDF: 24.9/26

All: 495.191+/-1453.873 χ^2/NDF: 46.4/54

- sign 124.386+/-2058.786 χ^2/NDF: 21.5/27

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

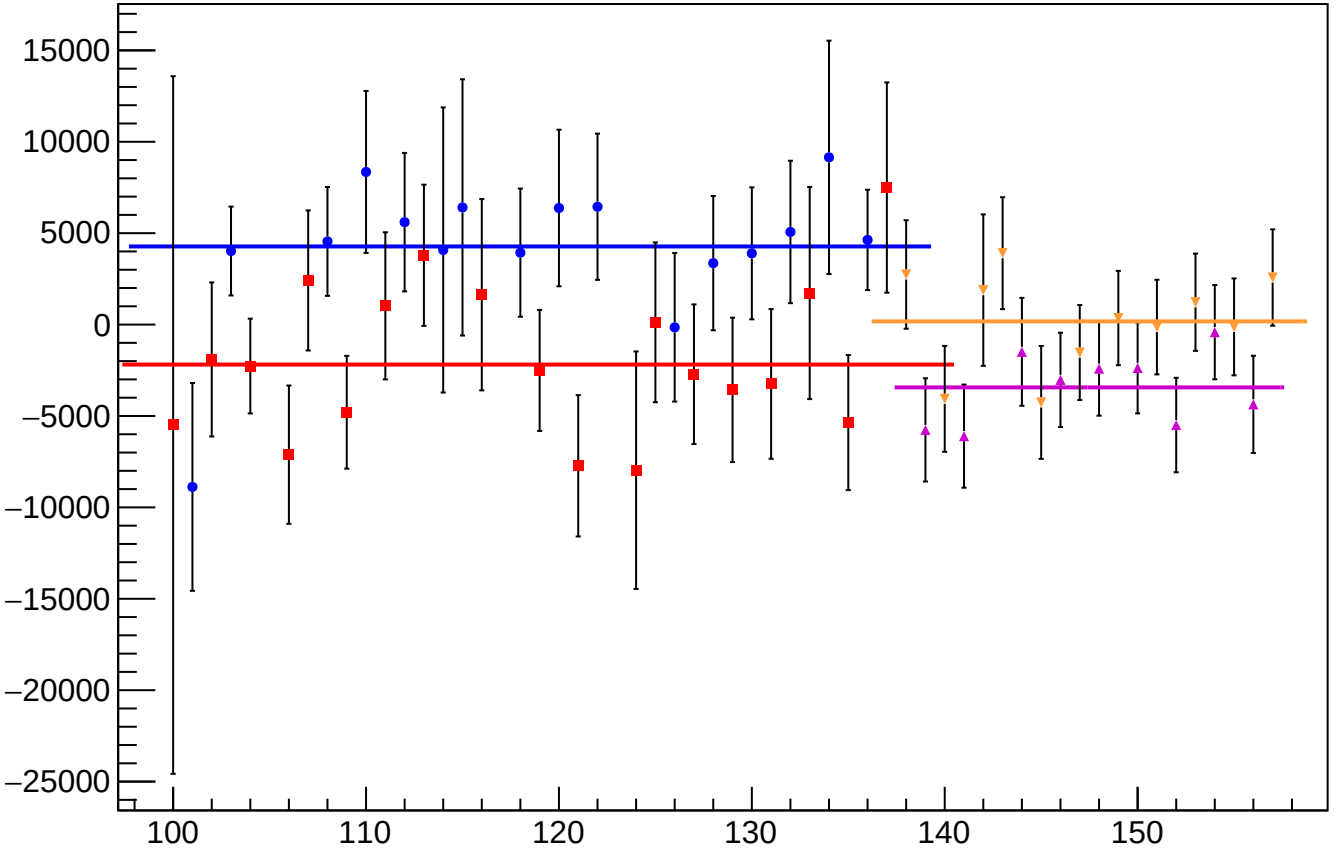
Left In: 8062.513+/-2.072 χ^2/NDF:446237.3/8

+ sign 7972.115+/-1.452 χ^2/NDF: 1397669.4/26

All: 7875.854+/-1.028 χ^2/NDF: 3025208.8/54

- sign 7779.086+/-1.456 χ^2/NDF: 1618725.7/27

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 173.776+/-851.972 χ^2/NDF:8.1/10

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

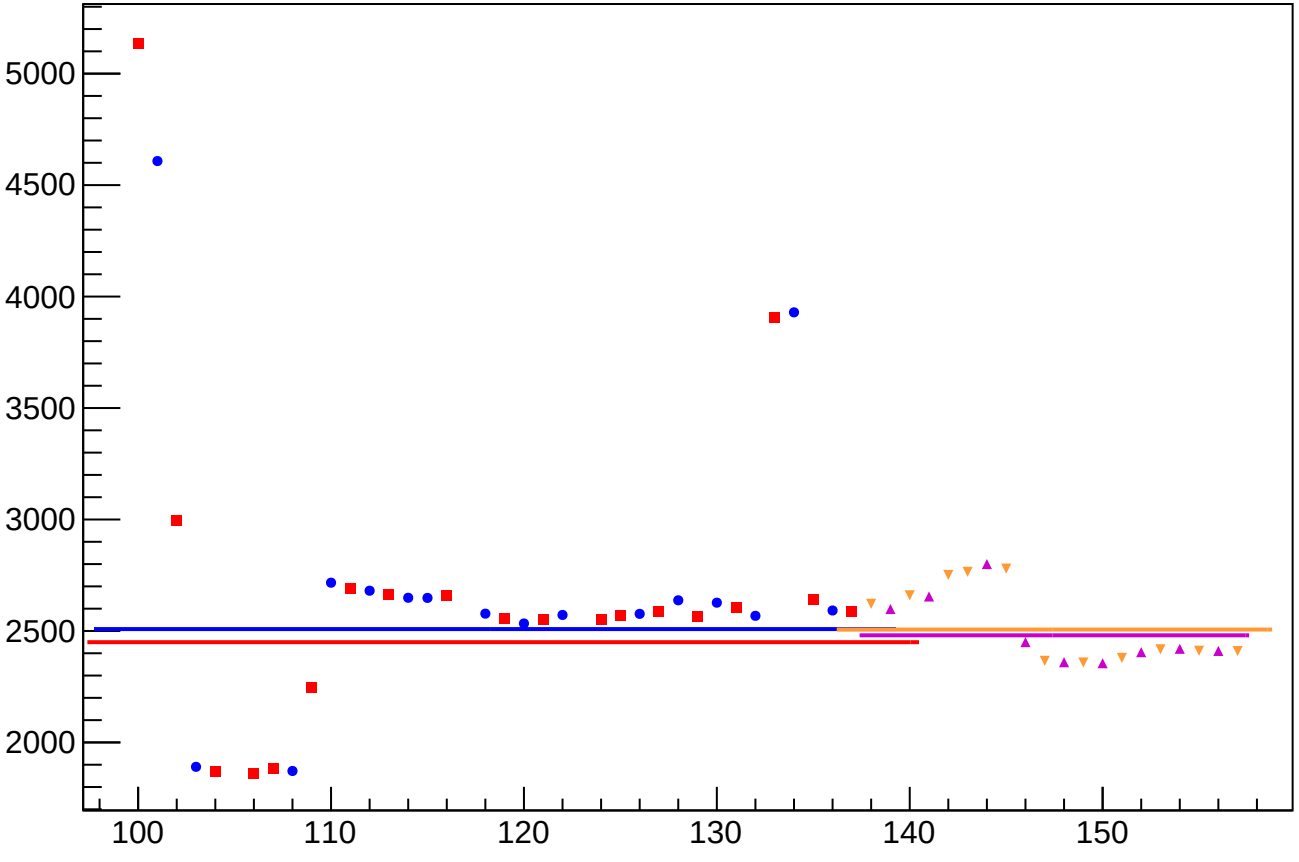
Left In: -3435.650+/-887.170 χ^2/NDF:4.5/8

+ sign 1997.282+/-634.851 χ^2/NDF: 27.2/26

All: -402.099+/-450.479 χ^2/NDF: 76.3/54

- sign -2835.376+/-639.320 χ^2/NDF: 20.3/27

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2506.435+/-0.602 χ^2/NDF:70312.3/10

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

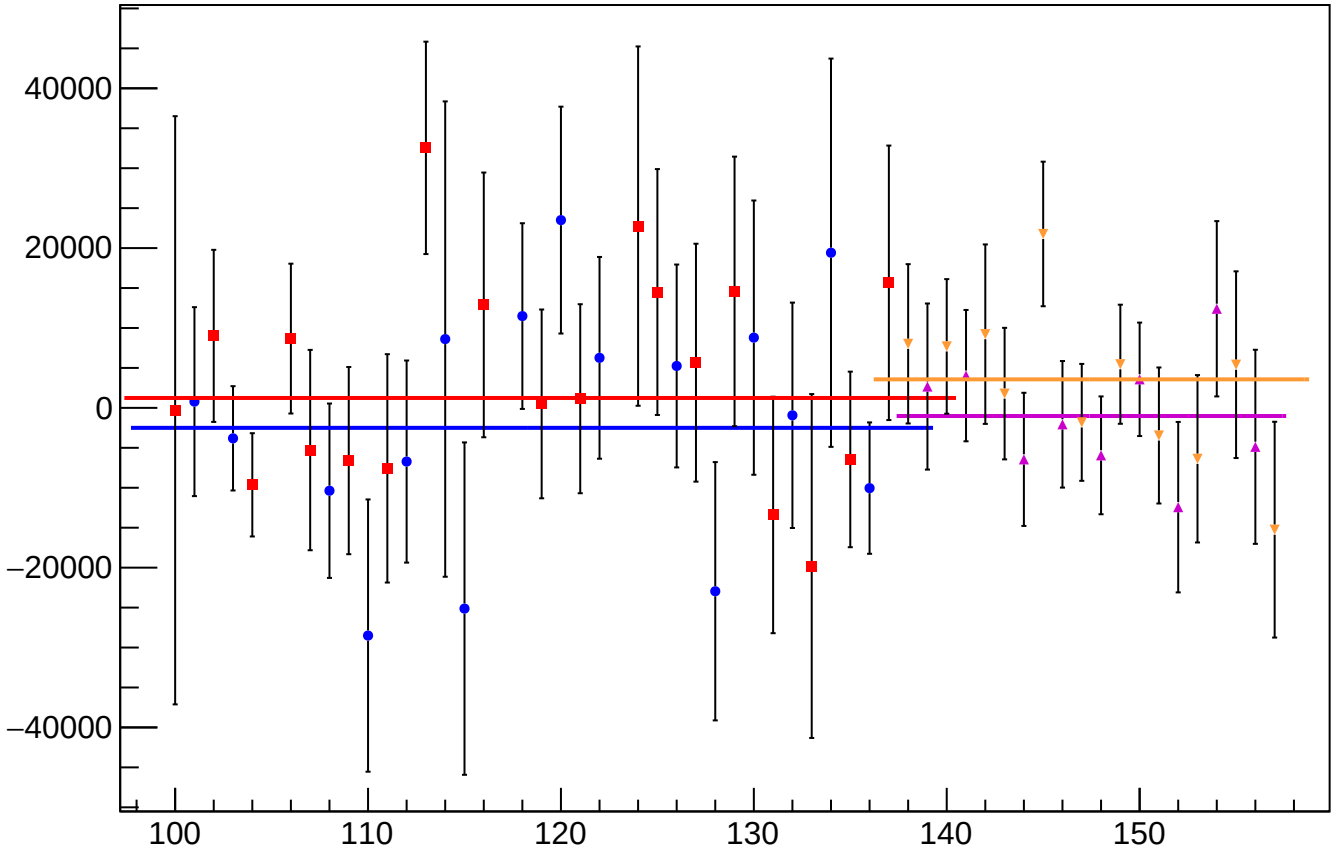
Left In: 2480.503+/-0.627 χ^2/NDF:48513.5/8

+ sign 2507.339+/-0.449 χ^2/NDF: 681904.8/26

All: 2486.651+/-0.319 χ^2/NDF: 1172705.6/54

- sign 2465.671+/-0.452 χ^2/NDF: 486523.1/27

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 3569.607+/-2758.106 χ^2/NDF:8.9/10

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

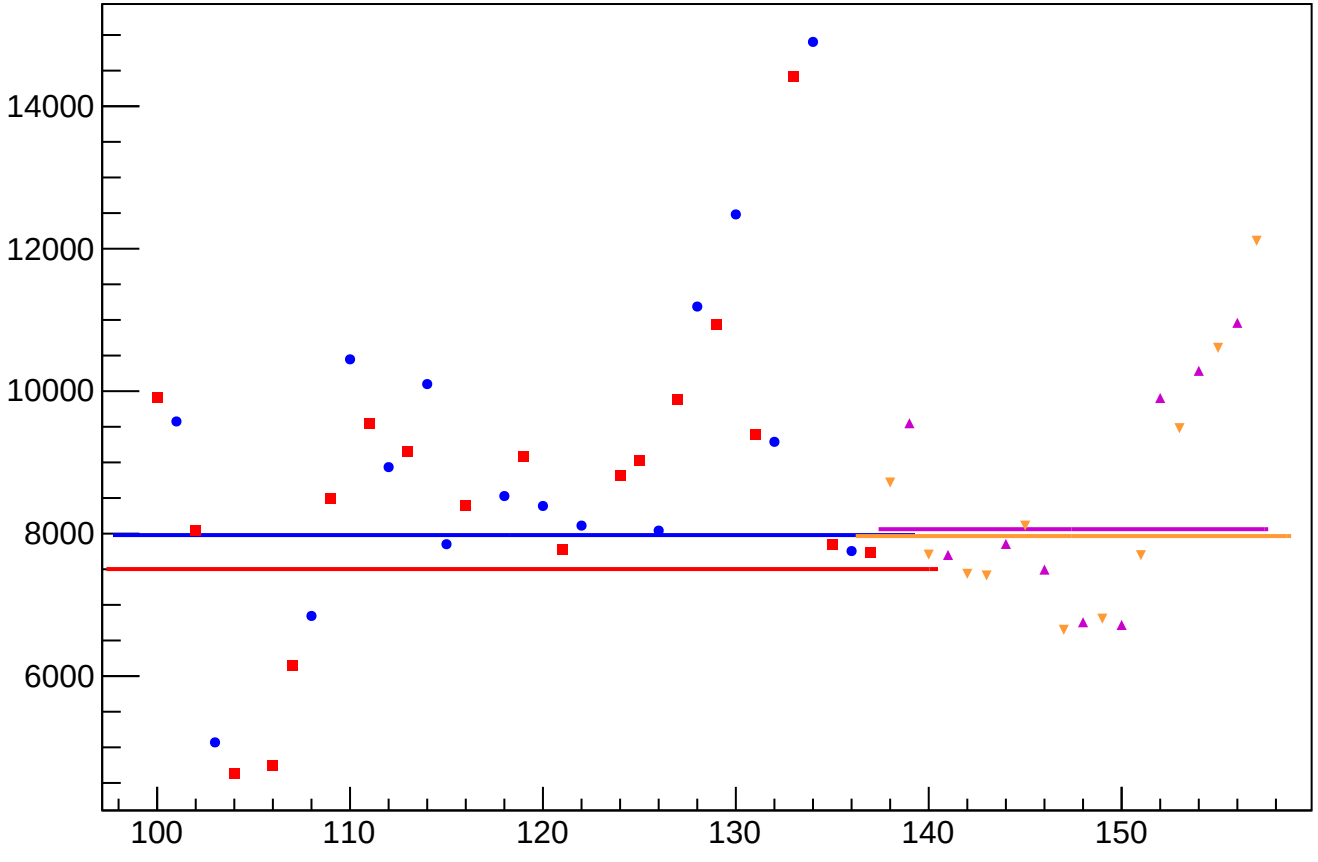
Left In: -1019.478+/-2930.006 χ^2/NDF:4.5/8

+ sign 864.058+/-2053.399 χ^2/NDF: 24.9/26

All: 495.191+/-1453.873 χ^2/NDF: 46.4/54

- sign 124.386+/-2058.786 χ^2/NDF: 21.5/27

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7965.926+/-1.950 χ^2/NDF:474861.4/10

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

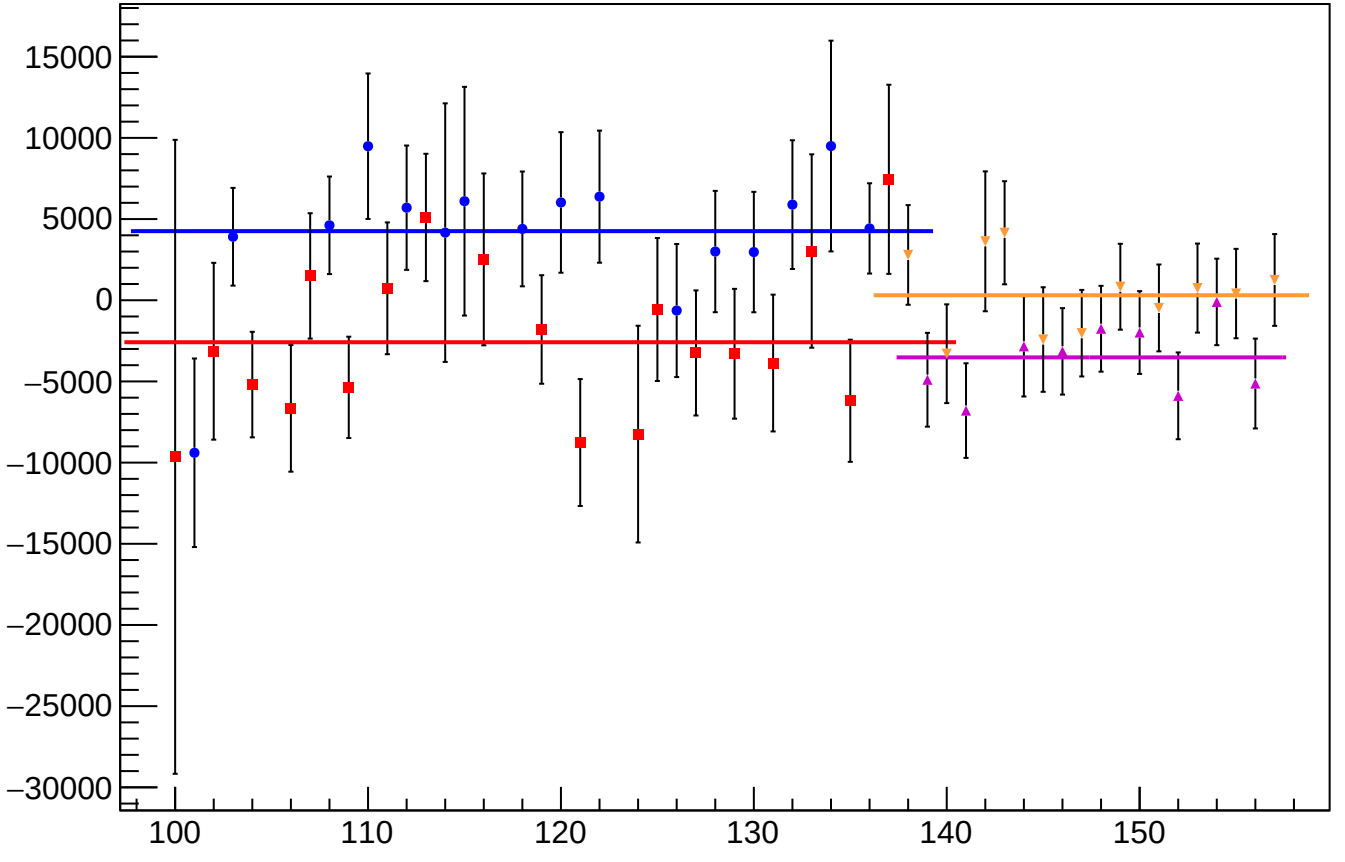
Left In: 8062.513+/-2.072 χ^2/NDF:446237.3/8

+ sign 7972.115+/-1.452 χ^2/NDF: 1397669.4/26

All: 7875.854+/-1.028 χ^2/NDF: 3025208.8/54

- sign 7779.086+/-1.456 χ^2/NDF: 1618725.7/27

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 307.200+/-884.843 χ^2/NDF:5.9/10

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

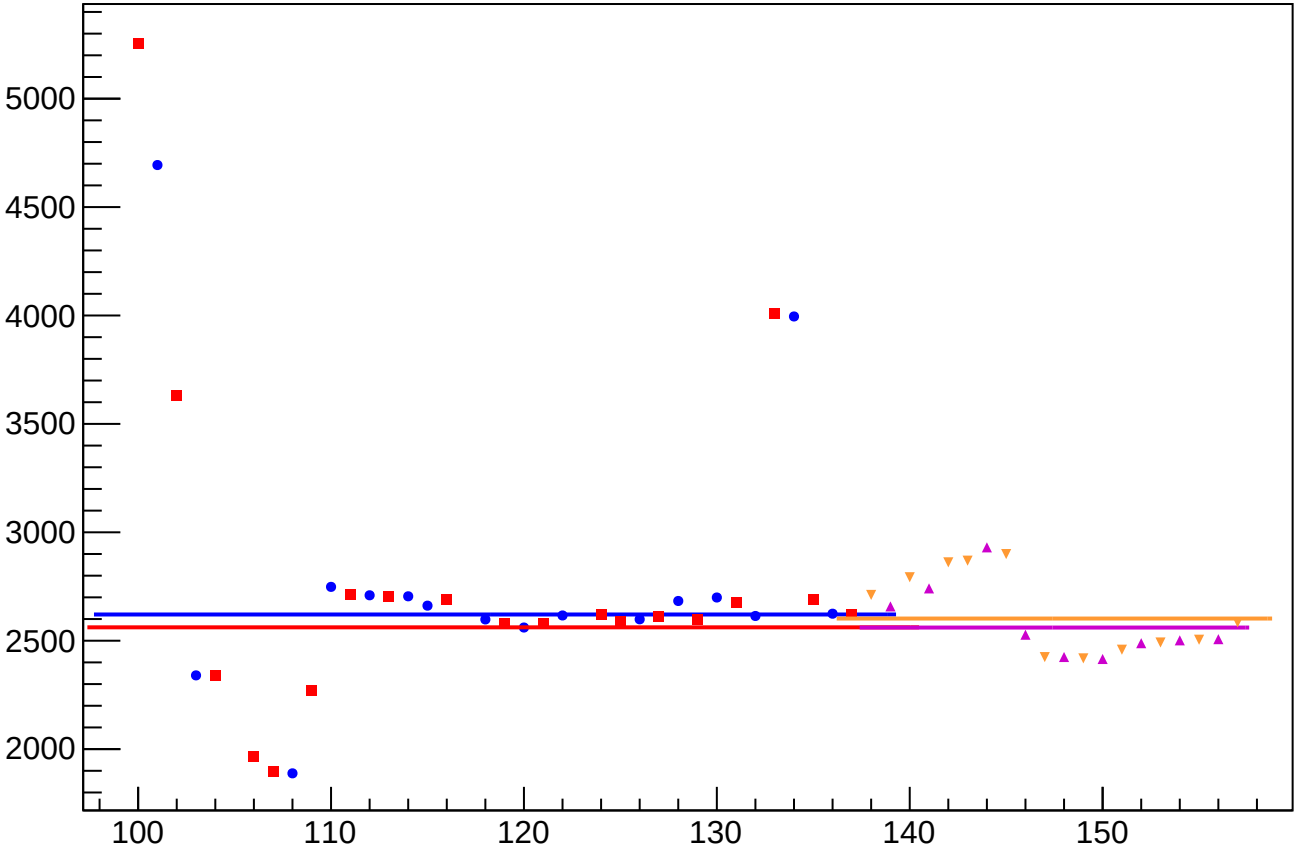
Left In: -3519.020+/-916.054 χ^2/NDF:5.1/8

+ sign 2060.179+/-659.895 χ^2/NDF: 24.8/26

All: -489.529+/-468.313 χ^2/NDF: 78.1/54

- sign -3076.656+/-664.720 χ^2/NDF: 23.3/27

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2602.267+/-0.626 χ^2/NDF:78946.8/10

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

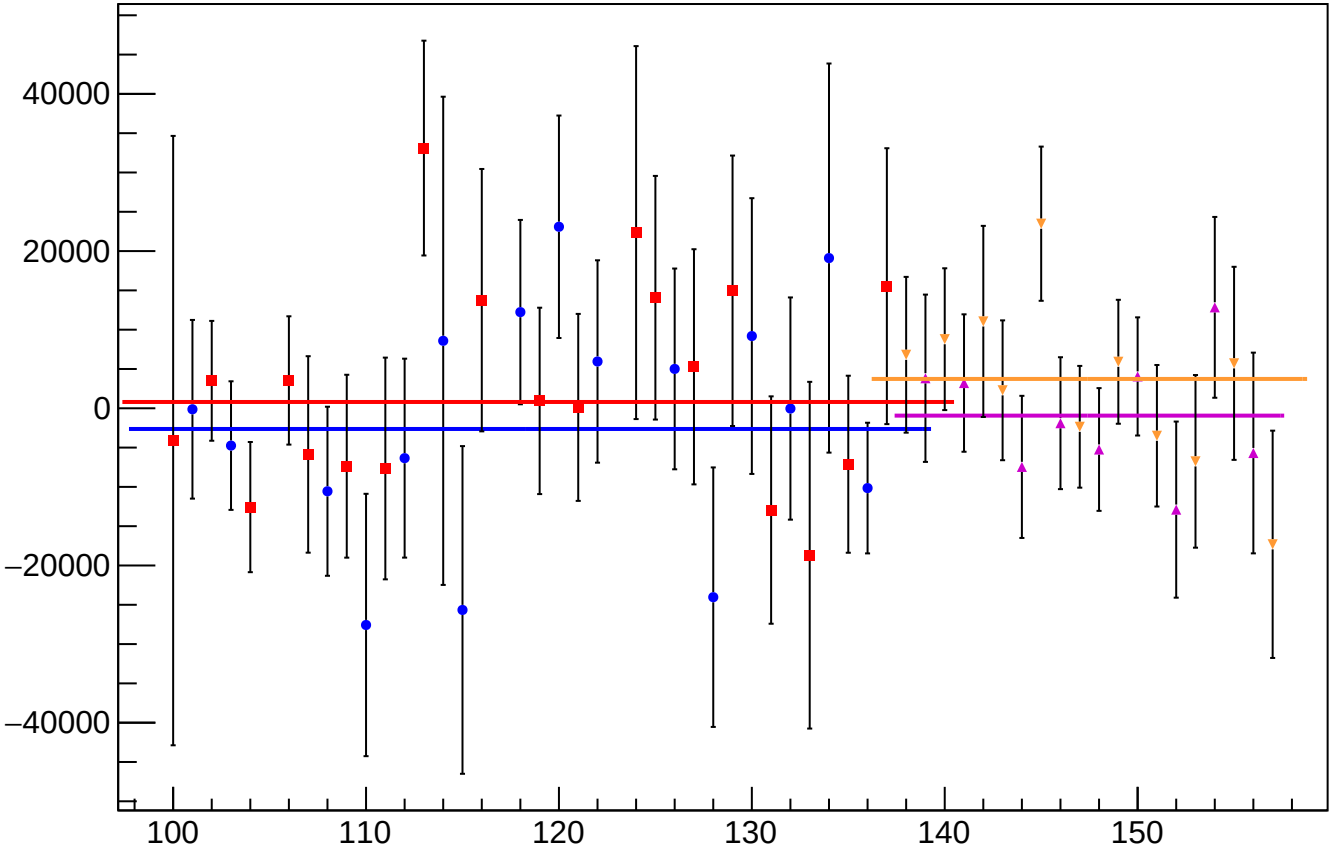
Left In: 2560.695+/-0.648 χ^2/NDF:53882.1/8

+ sign 2610.565+/-0.467 χ^2/NDF: 565257.2/26

All: 2586.045+/-0.331 χ^2/NDF: 1002961.4/54

- sign 2561.180+/-0.470 χ^2/NDF: 432142.7/27

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 3734.253+/-2922.730 χ^2/NDF:9.2/10

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

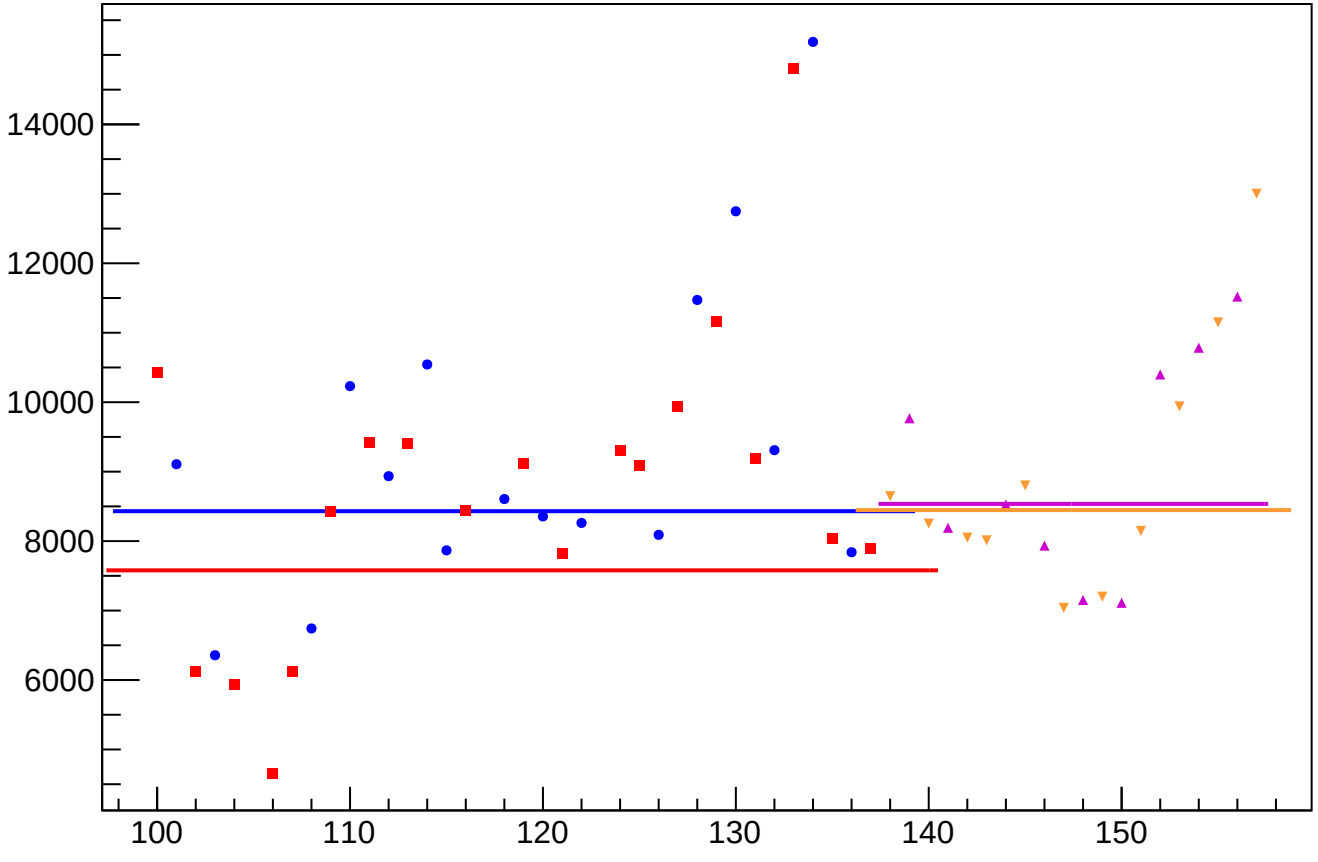
Left In: -933.413+/-3099.296 χ^2/NDF:4.4/8

+ sign 850.198+/-2161.580 χ^2/NDF: 25.2/26

All: 414.451+/-1508.785 χ^2/NDF: 45.3/54

- sign 0.449+/-2106.956 χ^2/NDF: 20.0/27

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8446.562+/-2.067 χ^2/NDF:461828.5/10

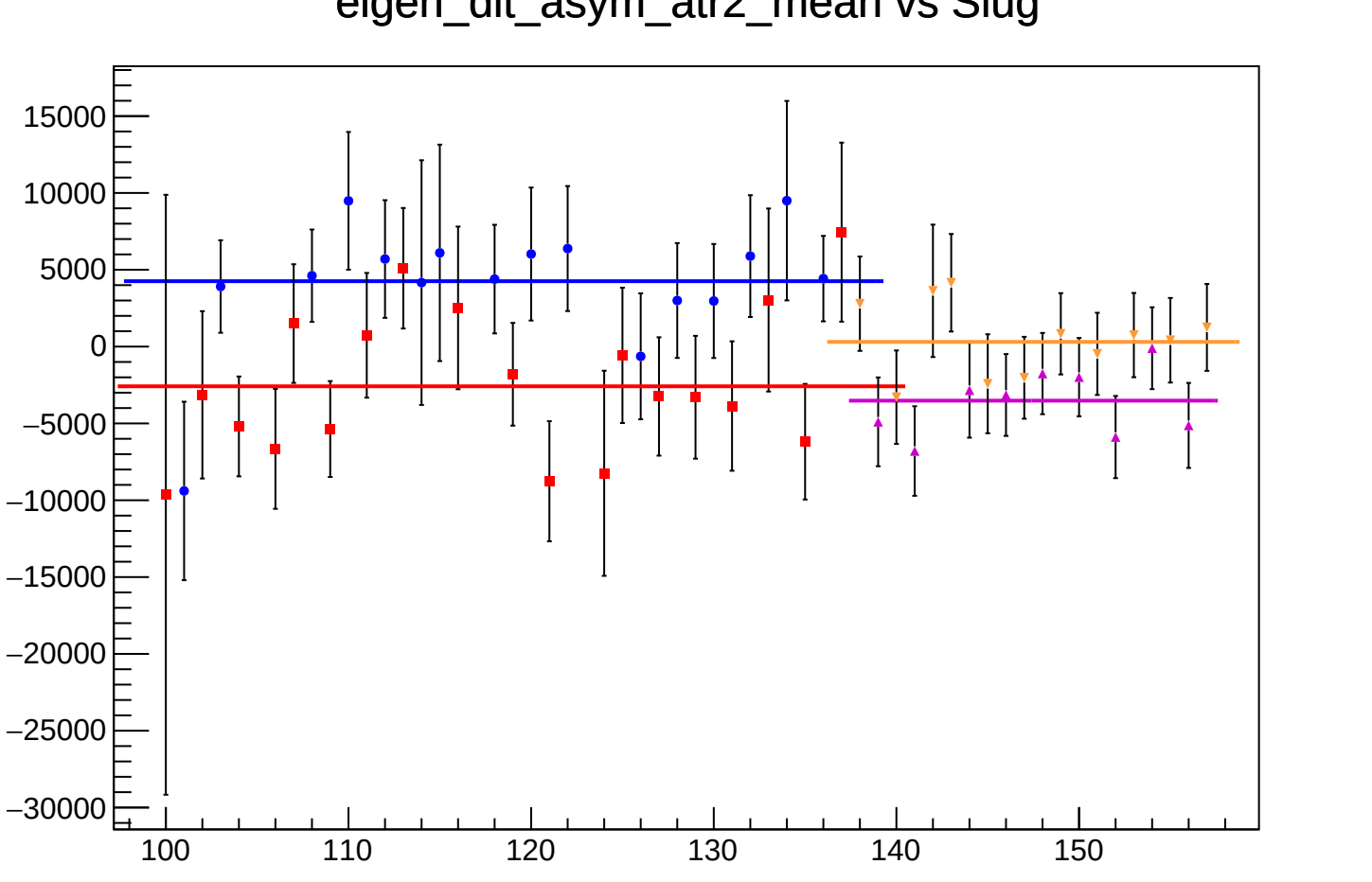
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8536.144+/-2.192 χ^2/NDF:415723.5/8

+ sign 8439.407+/-1.528 χ^2/NDF: 1042150.0/26

All: 8225.059+/-1.067 χ^2/NDF: 2572921.2/54

- sign 8021.406+/-1.490 χ^2/NDF: 1492419.5/27



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 307.190+/-884.844 χ^2/NDF:5.9/10

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

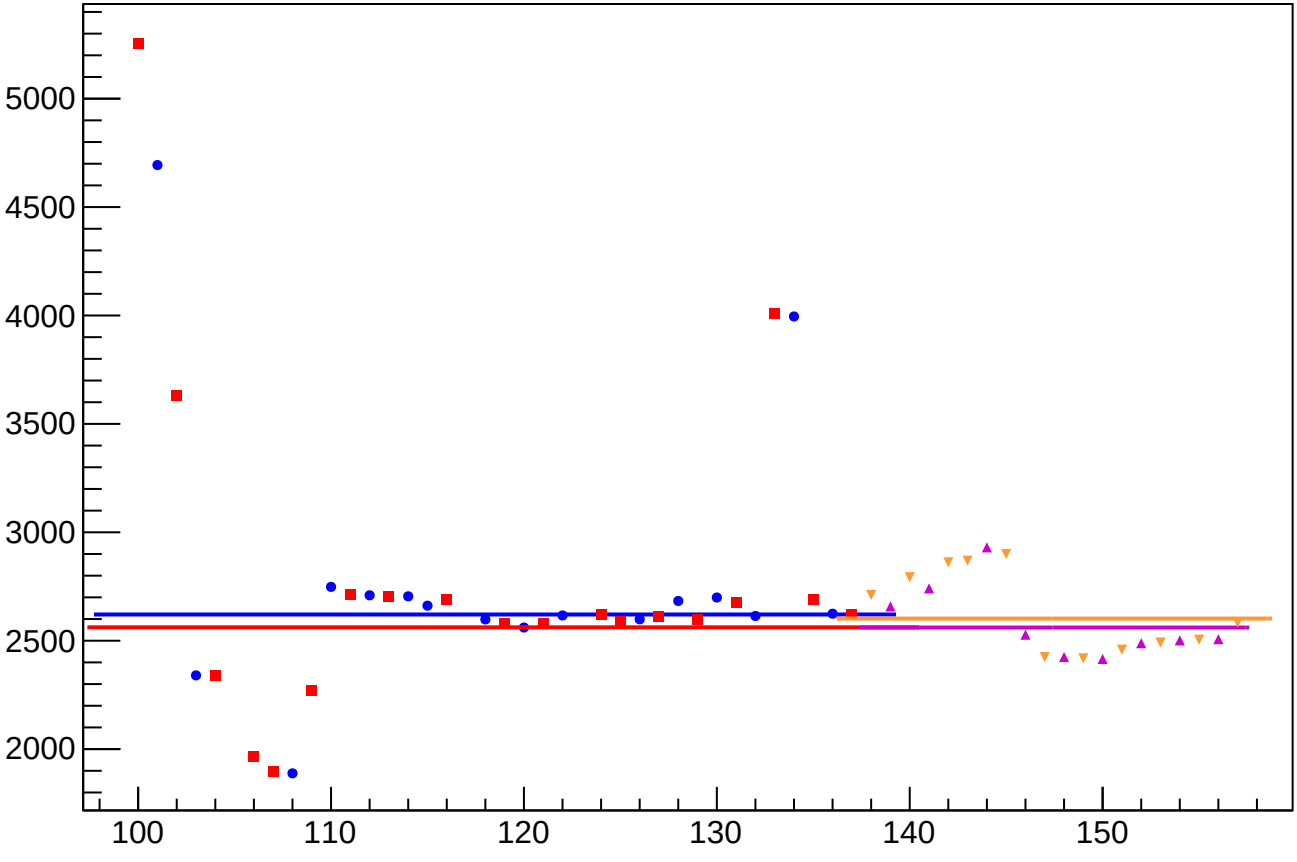
Left In: -3519.014+/-916.054 χ^2/NDF:5.1/8

+ sign 2060.179+/-659.895 χ^2/NDF: 24.8/26

All: -489.530+/-468.313 χ^2/NDF: 78.1/54

- sign -3076.657+/-664.720 χ^2/NDF: 23.3/27

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2602.269+/-0.626 χ^2/NDF:78947.0/10

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

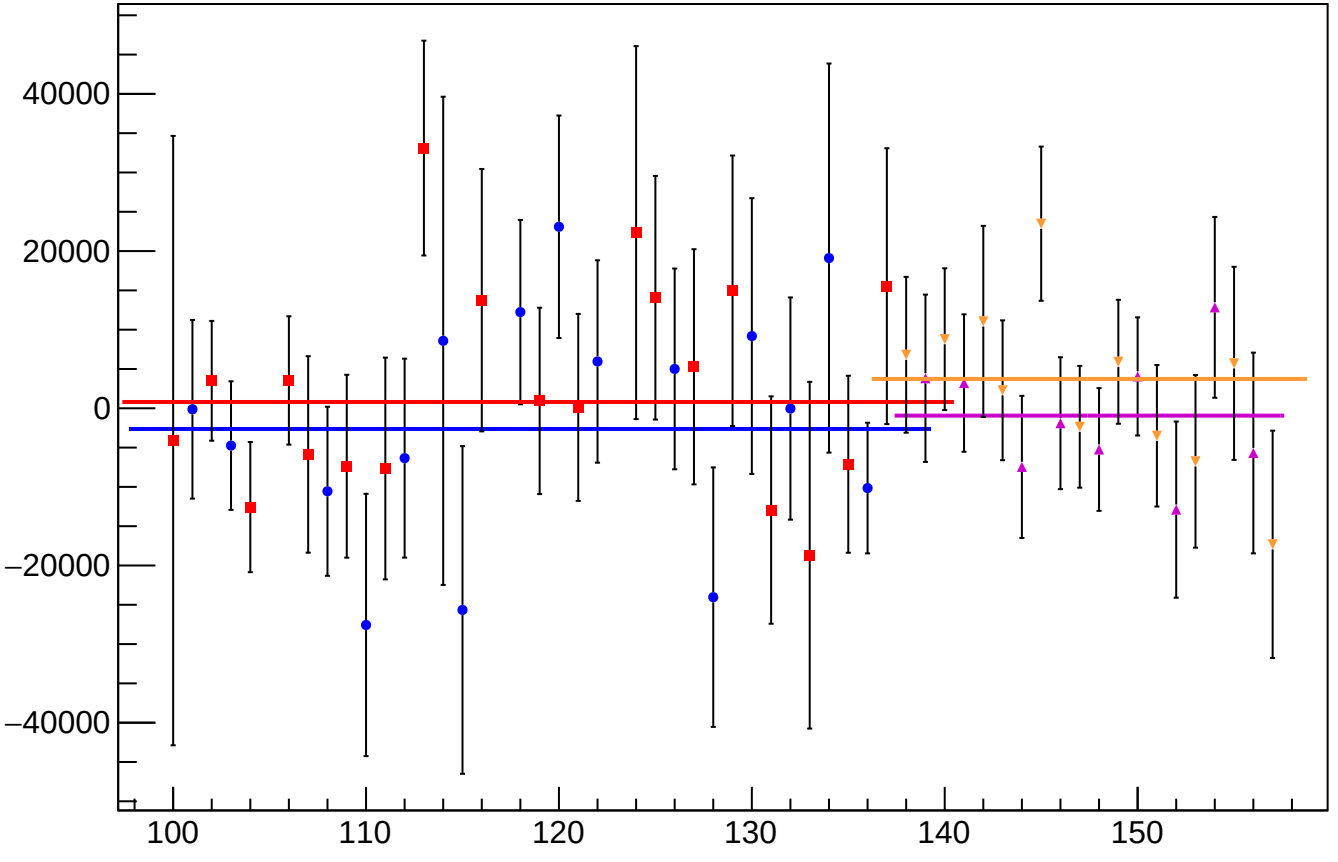
Left In: 2560.696+/-0.648 χ^2/NDF:53881.9/8

+ sign 2610.565+/-0.467 χ^2/NDF: 565257.6/26

All: 2586.046+/-0.331 χ^2/NDF: 1002961.0/54

- sign 2561.180+/-0.470 χ^2/NDF: 432142.0/27

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 3734.246+/-2922.734 χ^2/NDF:9.2/10

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

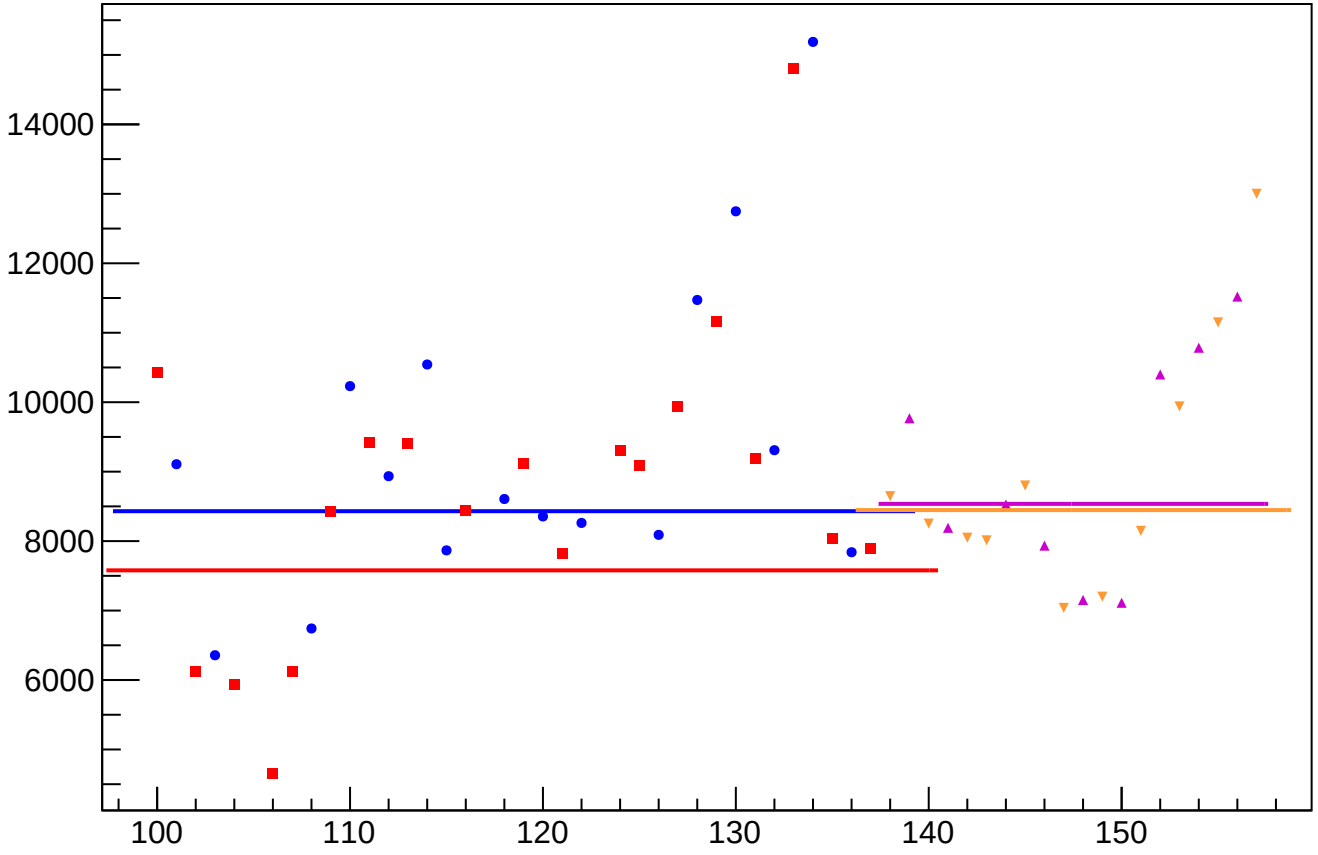
Left In: -933.406+/-3099.300 χ^2/NDF:4.4/8

+ sign 850.201+/-2161.580 χ^2/NDF: 25.2/26

All: 414.454+/-1508.784 χ^2/NDF: 45.3/54

- sign 0.452+/-2106.955 χ^2/NDF: 20.0/27

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8446.574+/-2.067 χ^2/NDF:461826.8/10

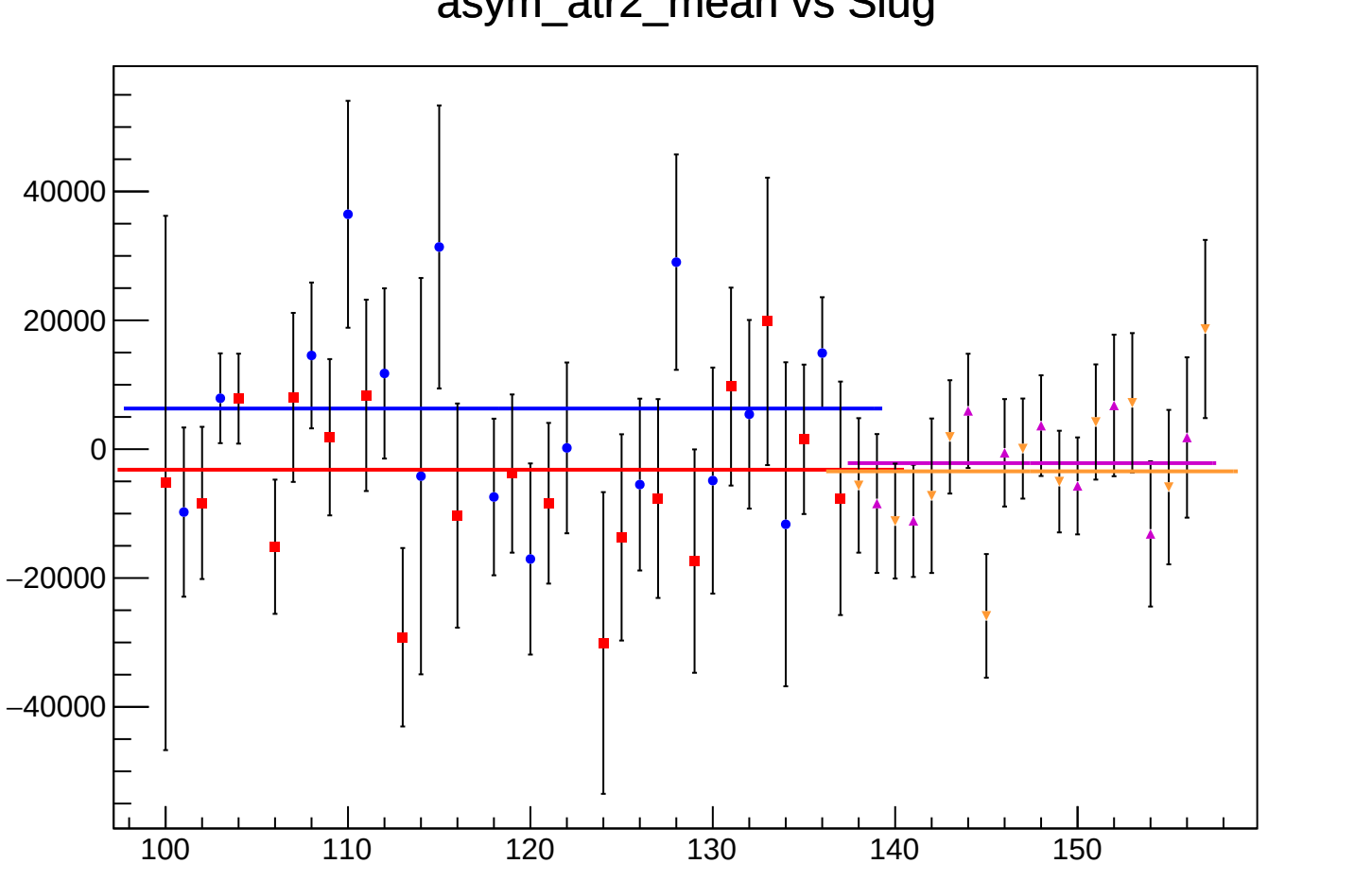
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8536.156+/-2.192 χ^2/NDF:415721.3/8

\+ sign 8439.409+/-1.528 χ^2/NDF: 1042142.7/26

All: 8225.058+/-1.067 χ^2/NDF: 2572913.7/54

\- sign 8021.404+/-1.490 χ^2/NDF: 1492418.5/27



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -3437.347+/-2906.421 χ^2/NDF:11.3/10

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

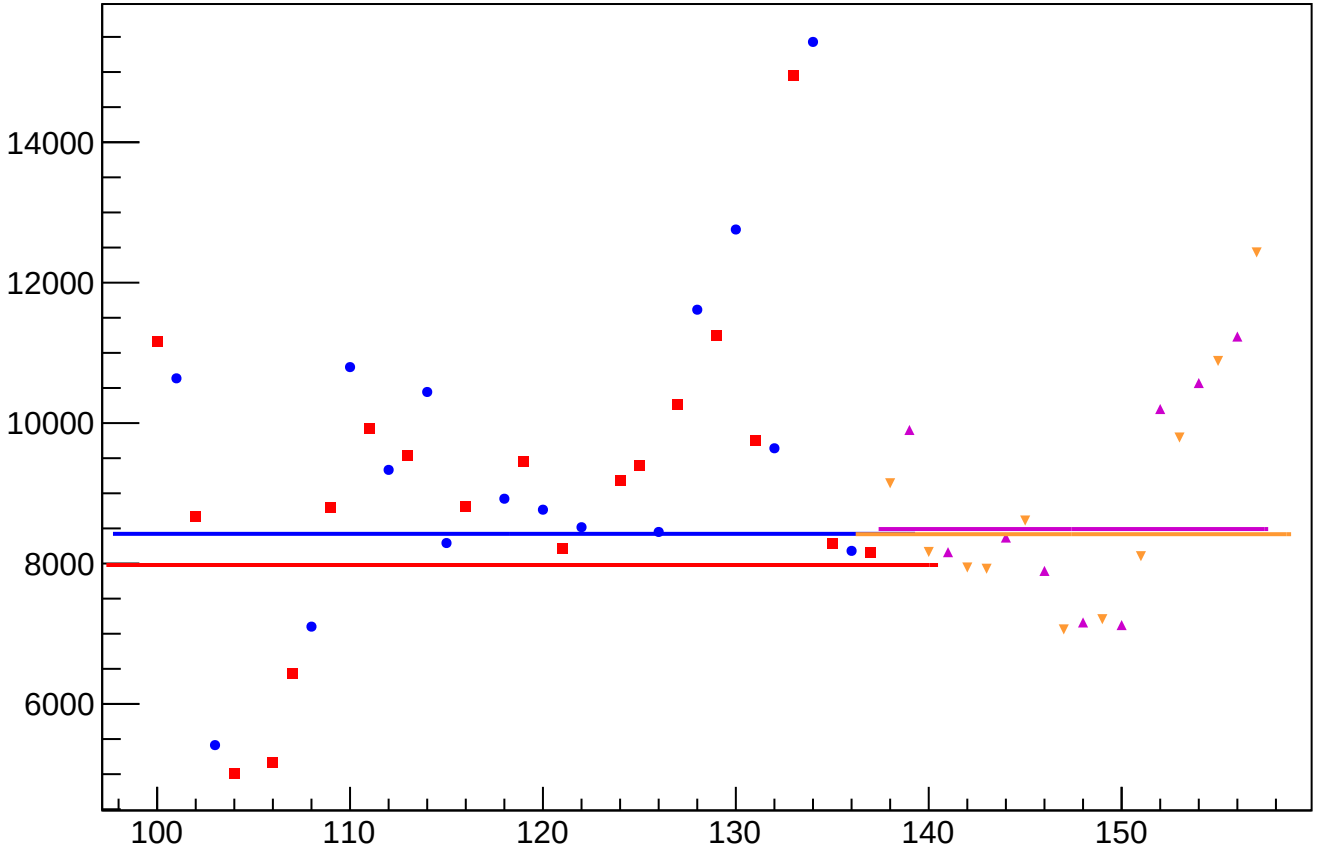
Left In: -2162.237+/-3077.965 χ^2/NDF:4.8/8

+ sign 907.991+/-2163.415 χ^2/NDF: 31.4/26

All: -876.635+/-1533.195 χ^2/NDF: 51.5/54

- sign -2677.354+/-2173.148 χ^2/NDF: 18.7/27

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8417.747+/-2.055 χ^2/NDF:417597.0/10

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

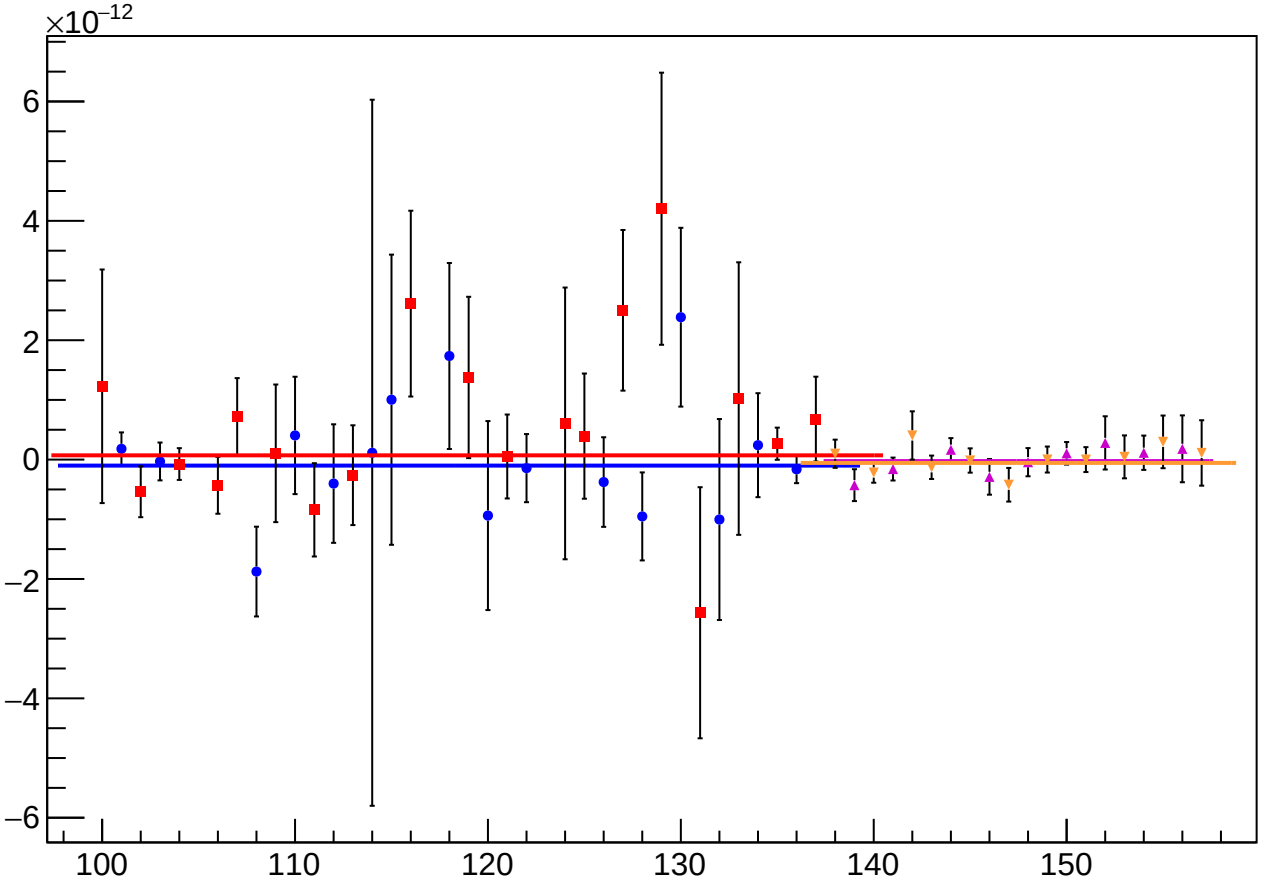
Left In: 8491.020+/-2.176 χ^2/NDF:385294.0/8

+ sign 8419.963+/-1.530 χ^2/NDF: 1299433.5/26

All: 8327.511+/-1.084 χ^2/NDF: 2735841.4/54

- sign 8234.227+/-1.537 χ^2/NDF: 1429070.1/27

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/10

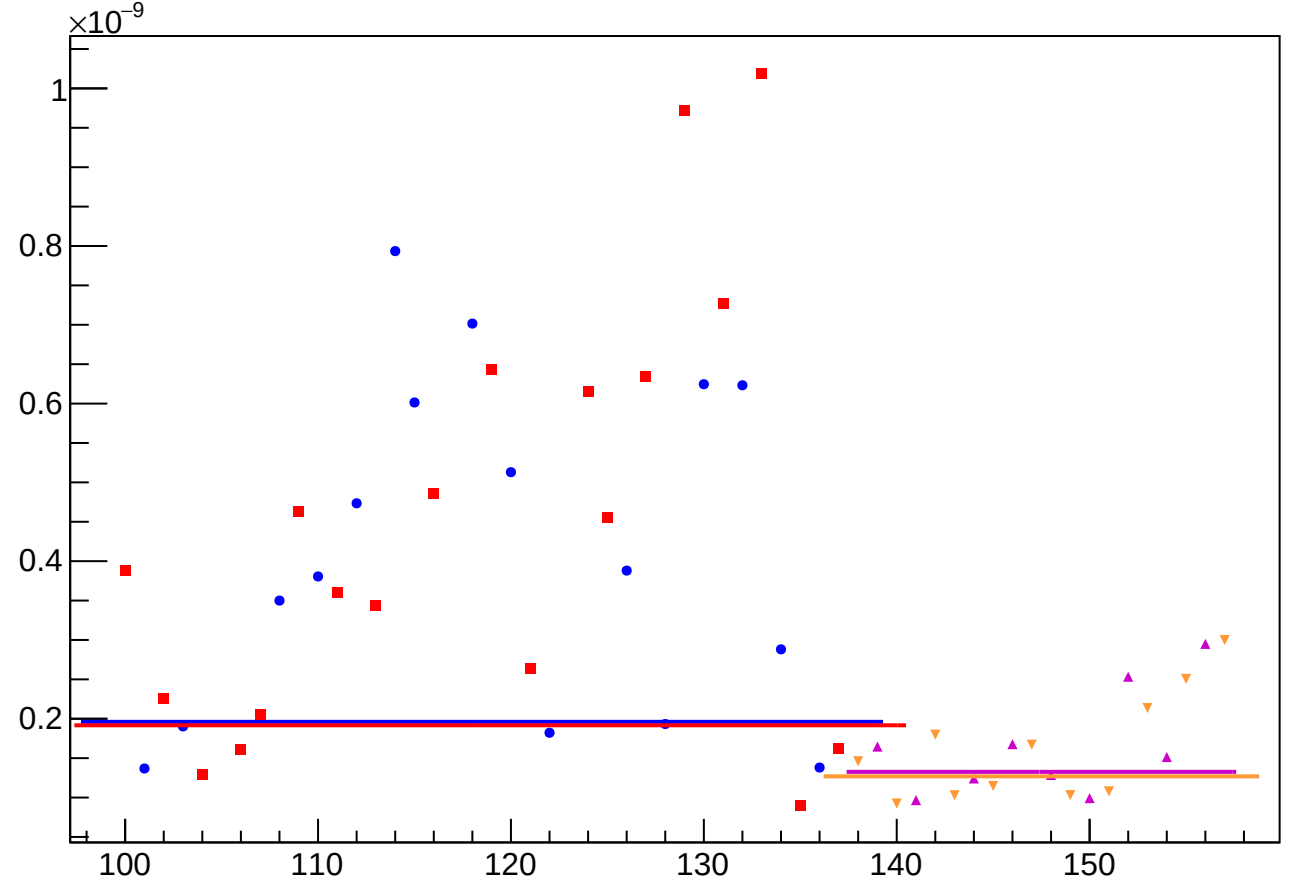
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 19.2/26

All: -0.000+/-0.000 χ^2/NDF: 45.4/54

- sign 0.000+/-0.000 χ^2/NDF: 25.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:720894.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

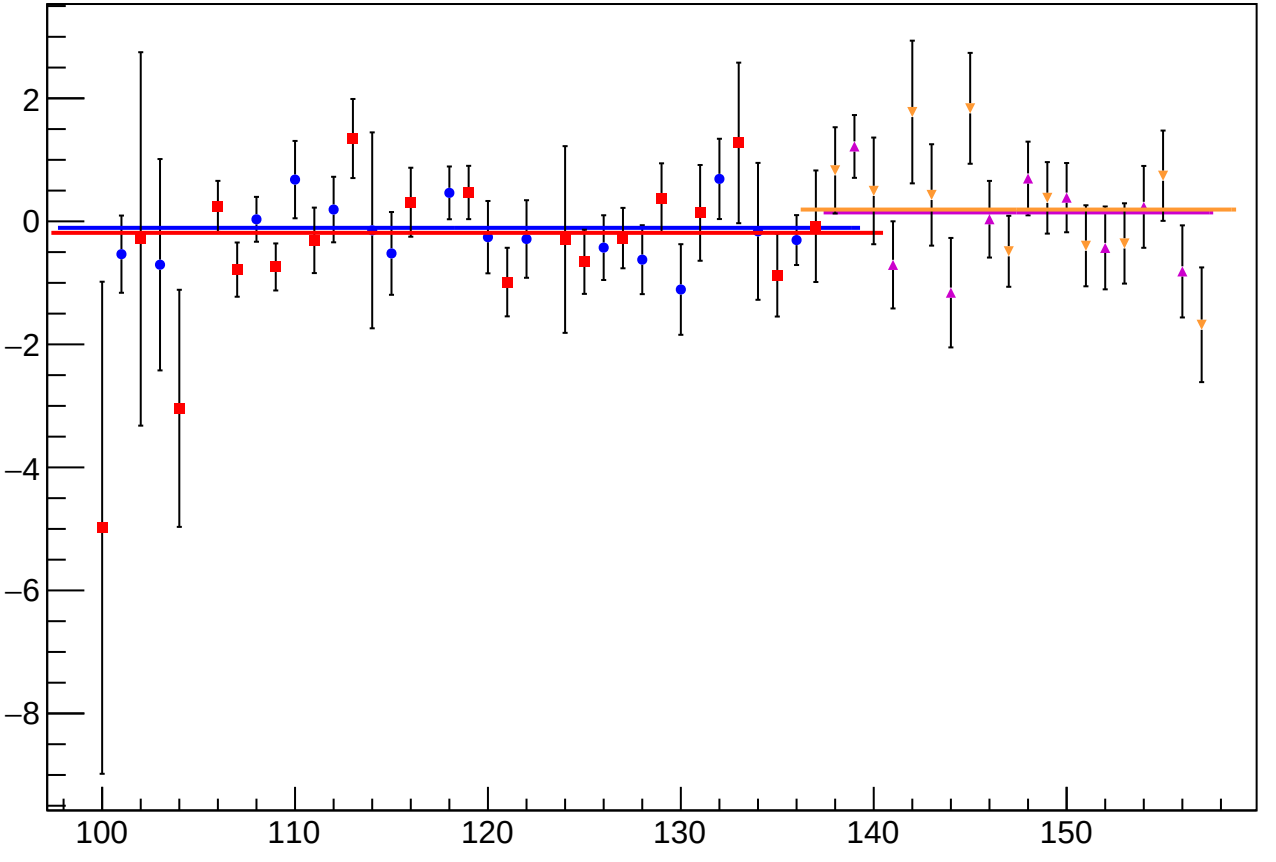
Left In: 0.000+/-0.000 χ^2/NDF:516102.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 2469619.6/26

All: 0.000+/-0.000 χ^2/NDF: 5322892.5/54

- sign 0.000+/-0.000 χ^2/NDF: 2847867.5/27

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

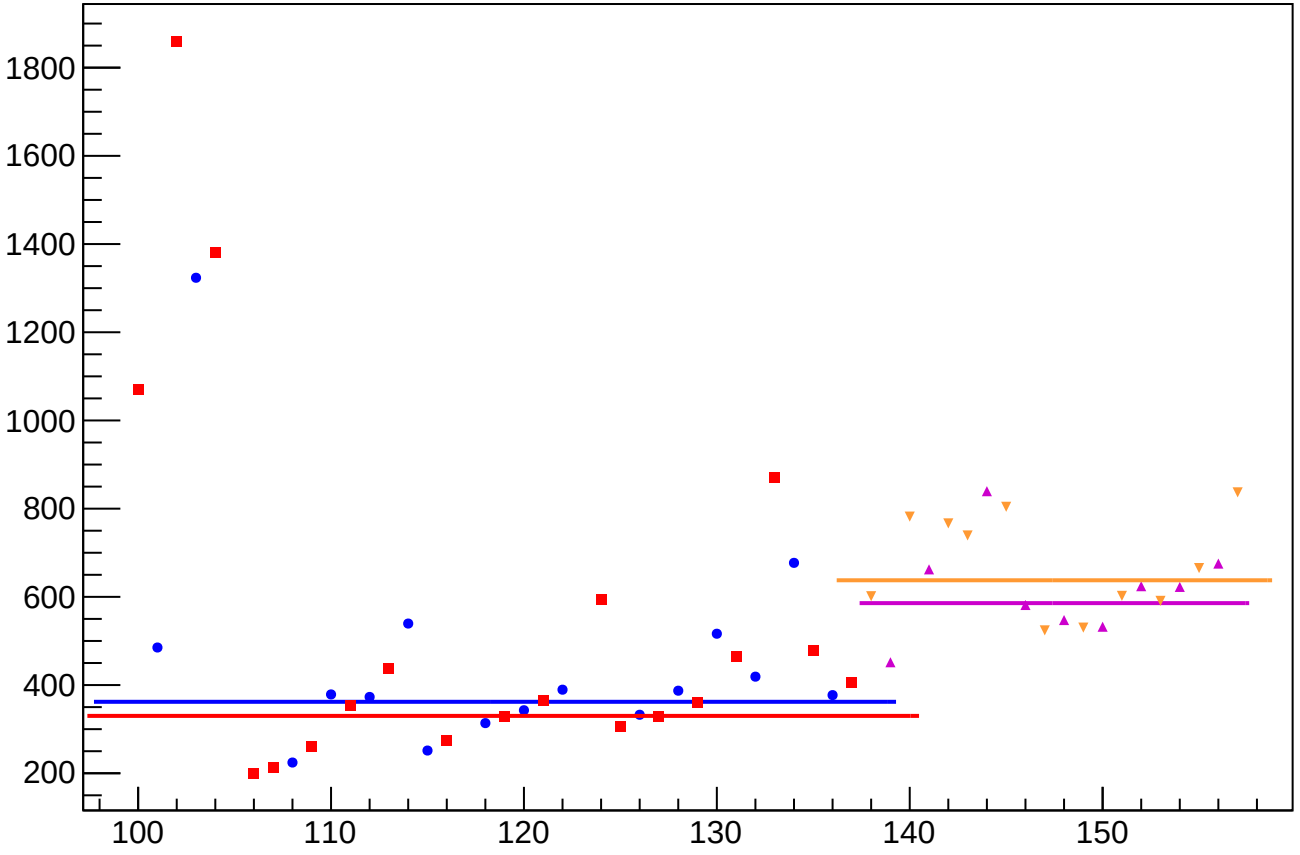
Left In: 0.145+/-0.214 χ^2/NDF:11.5/8

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.055+/-0.084 χ^2/NDF: 62.0/54

- sign -0.090+/-0.116 χ^2/NDF: 37.0/27

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

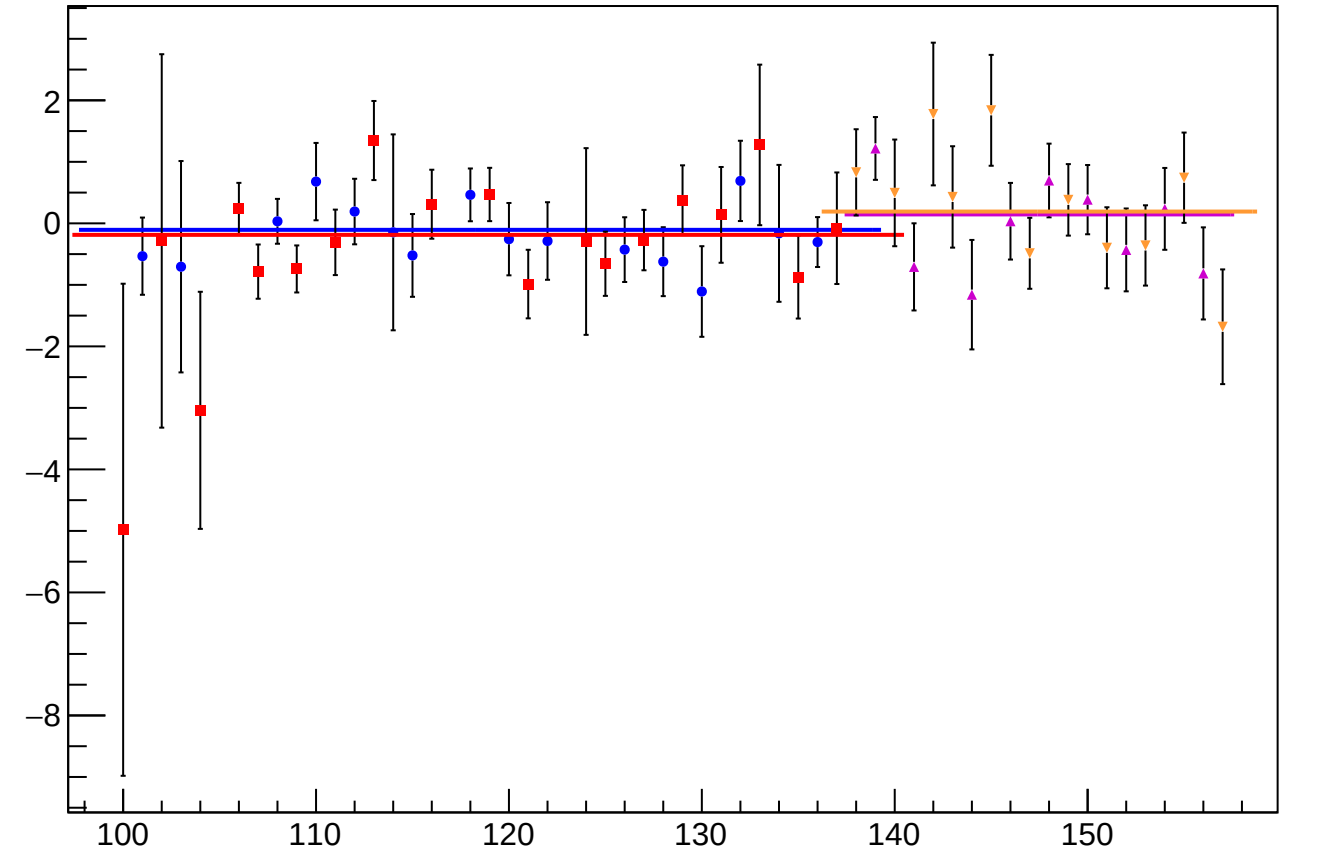
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 585.789+/-0.151 χ^2/NDF:391641.2/8

+ sign 444.597+/-0.086 χ^2/NDF: 3991105.5/26

All: 423.775+/-0.059 χ^2/NDF: 8765772.3/54

- sign 404.793+/-0.082 χ^2/NDF: 4661603.3/27



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

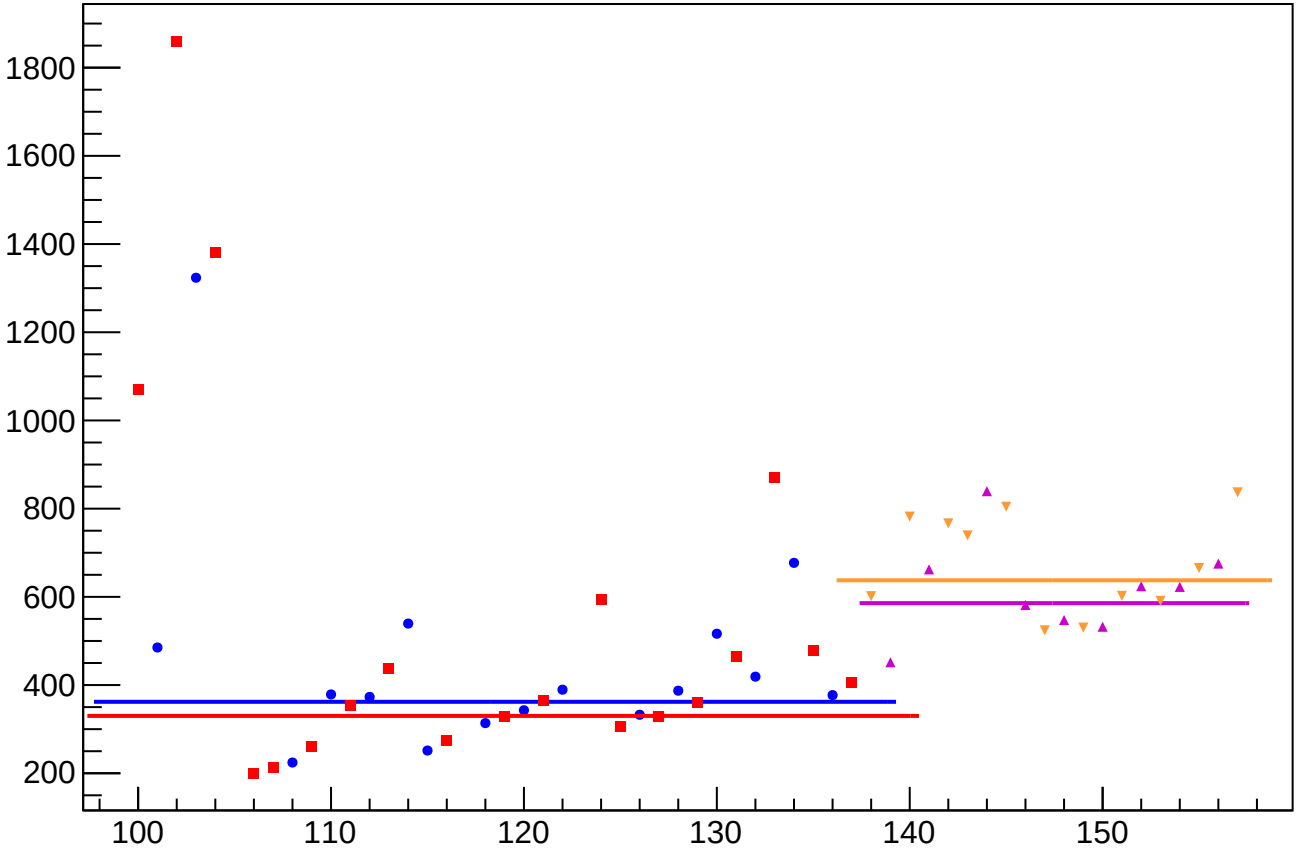
Left In: 0.145+/-0.214 χ^2/NDF:11.5/8

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.055+/-0.084 χ^2/NDF: 62.0/54

- sign -0.090+/-0.116 χ^2/NDF: 37.0/27

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.590+/-0.156 χ^2/NDF:440266.1/10

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

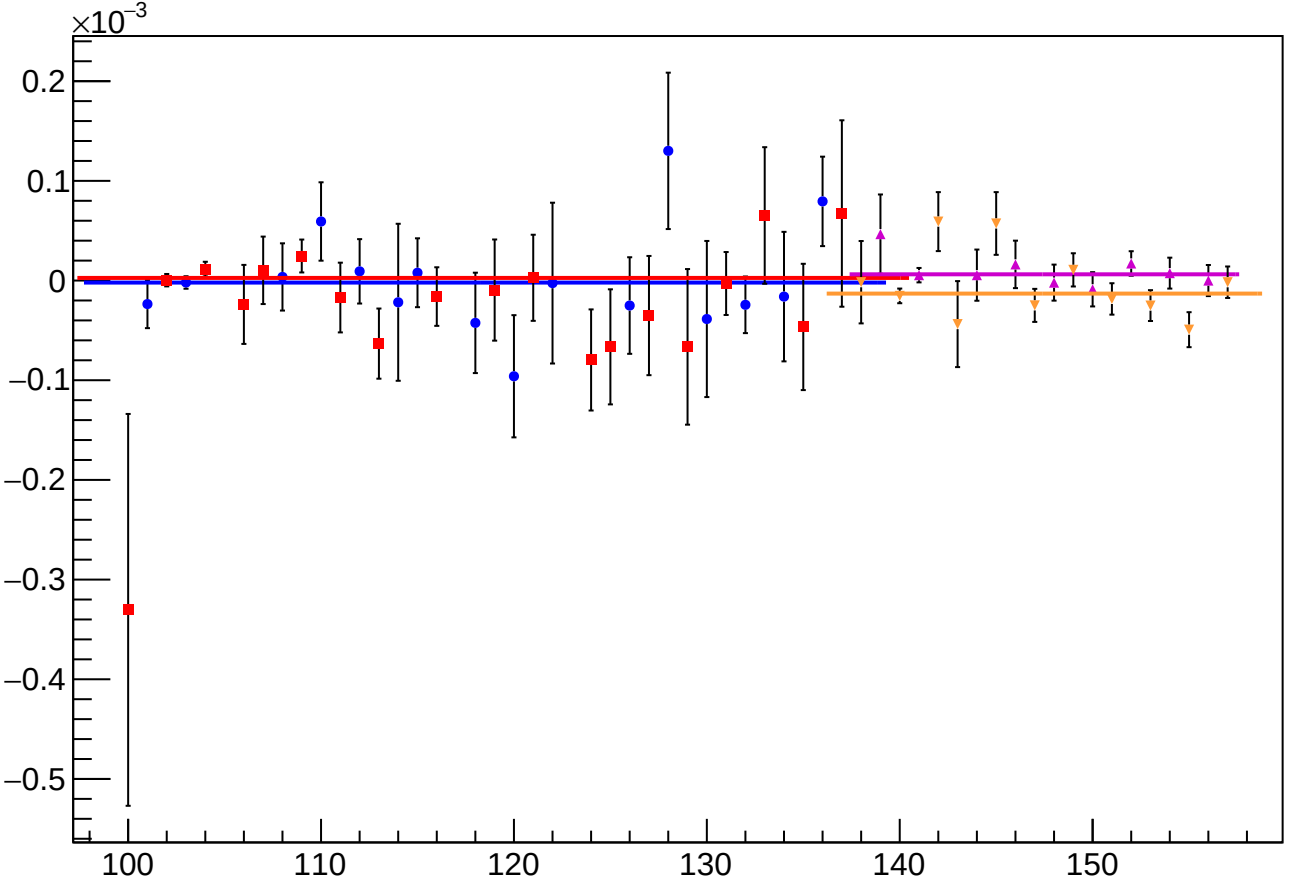
Left In: 585.789+/-0.151 χ^2/NDF:391641.2/8

+ sign 444.597+/-0.086 χ^2/NDF: 3991105.5/26

All: 423.775+/-0.059 χ^2/NDF: 8765772.3/54

- sign 404.793+/-0.082 χ^2/NDF: 4661603.3/27

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

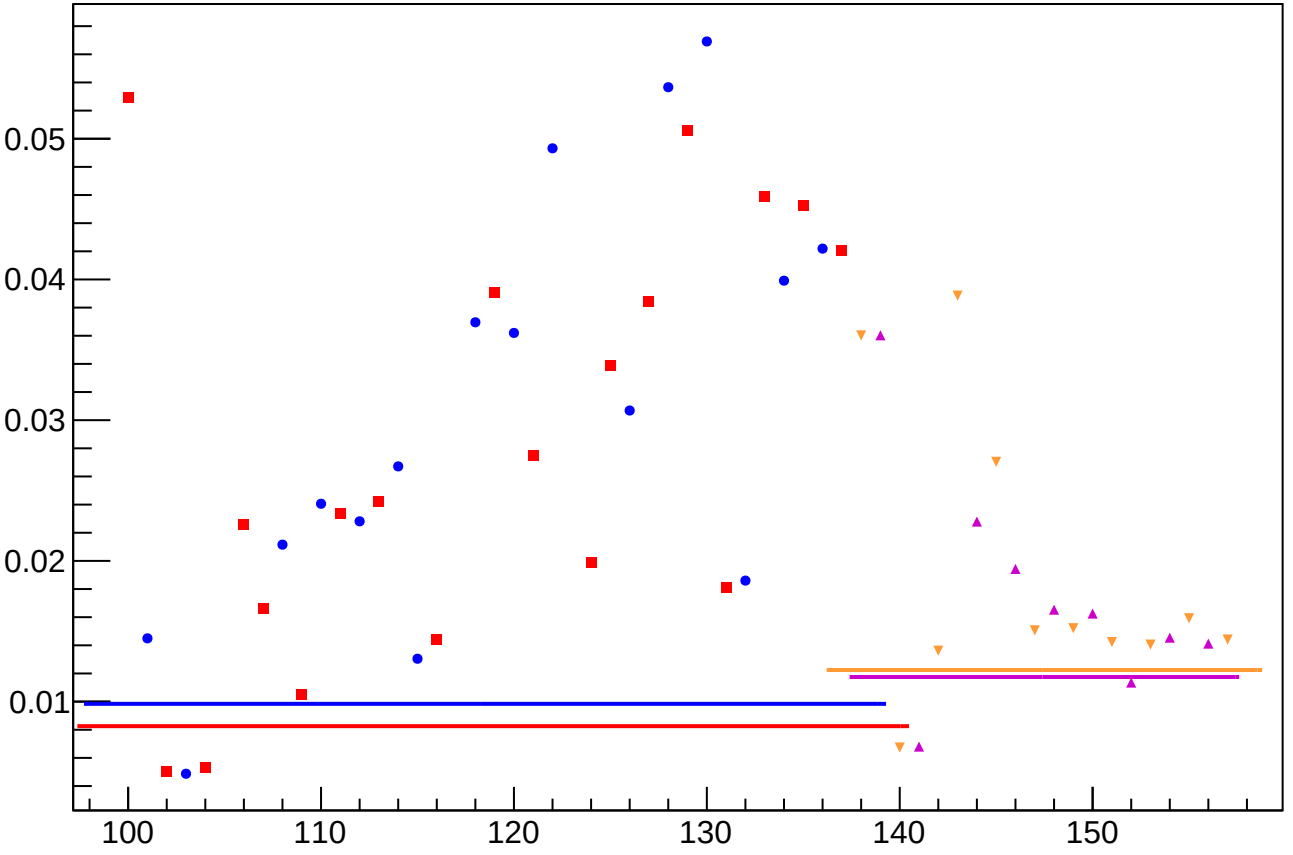
Left In: 0.000+/-0.000 χ^2/NDF:3.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/26

All: -0.000+/-0.000 χ^2/NDF: 64.4/54

- sign 0.000+/-0.000 χ^2/NDF: 21.7/27

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3299053.5/10

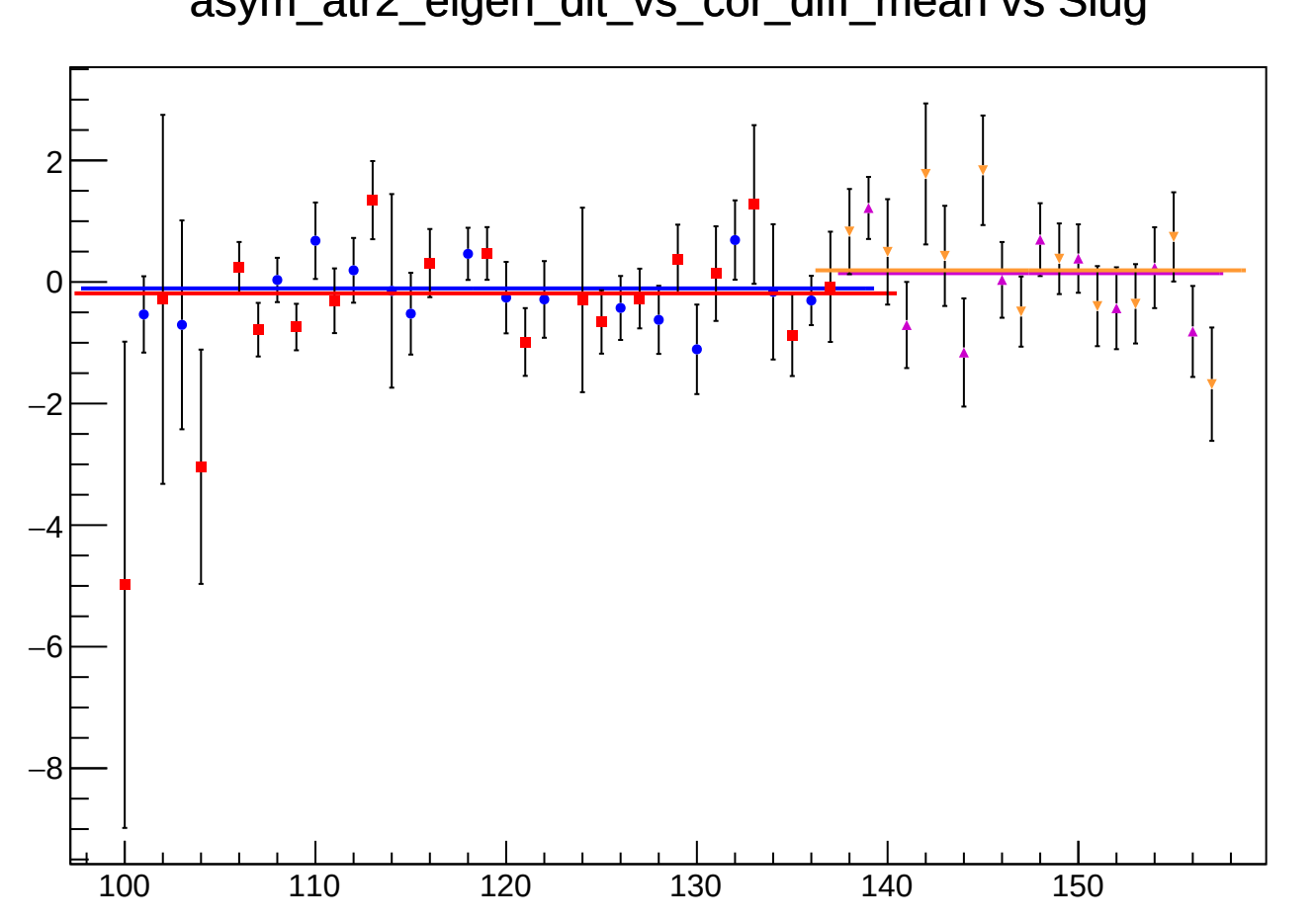
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2648090.8/8

+ sign 0.011+/-0.000 χ^2/NDF: 10574655.2/26

All: 0.010+/-0.000 χ^2/NDF: 20740754.3/54

- sign 0.010+/-0.000 χ^2/NDF: 9992755.3/27



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

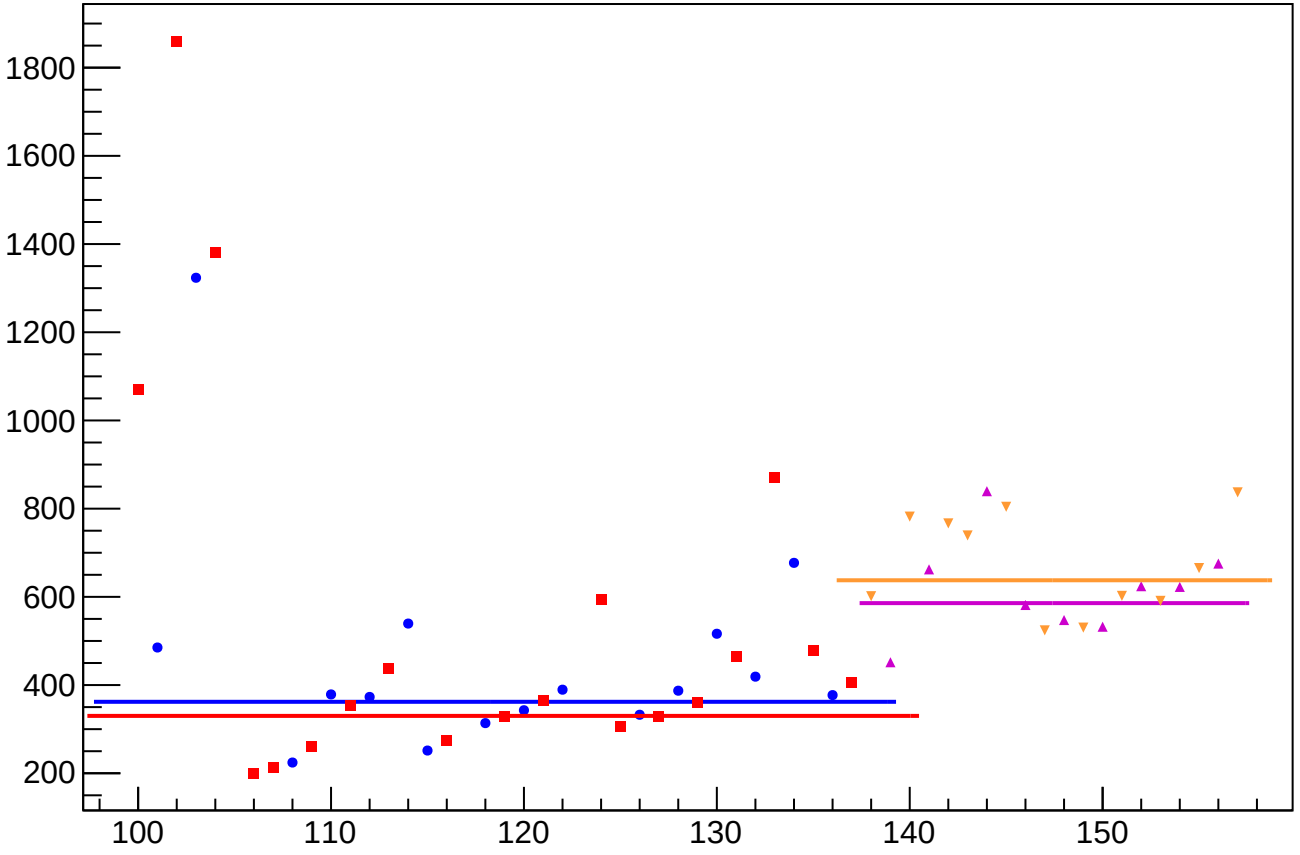
Left In: 0.145+/-0.214 χ^2/NDF:11.5/8

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.055+/-0.084 χ^2/NDF: 62.0/54

- sign -0.090+/-0.116 χ^2/NDF: 37.0/27

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

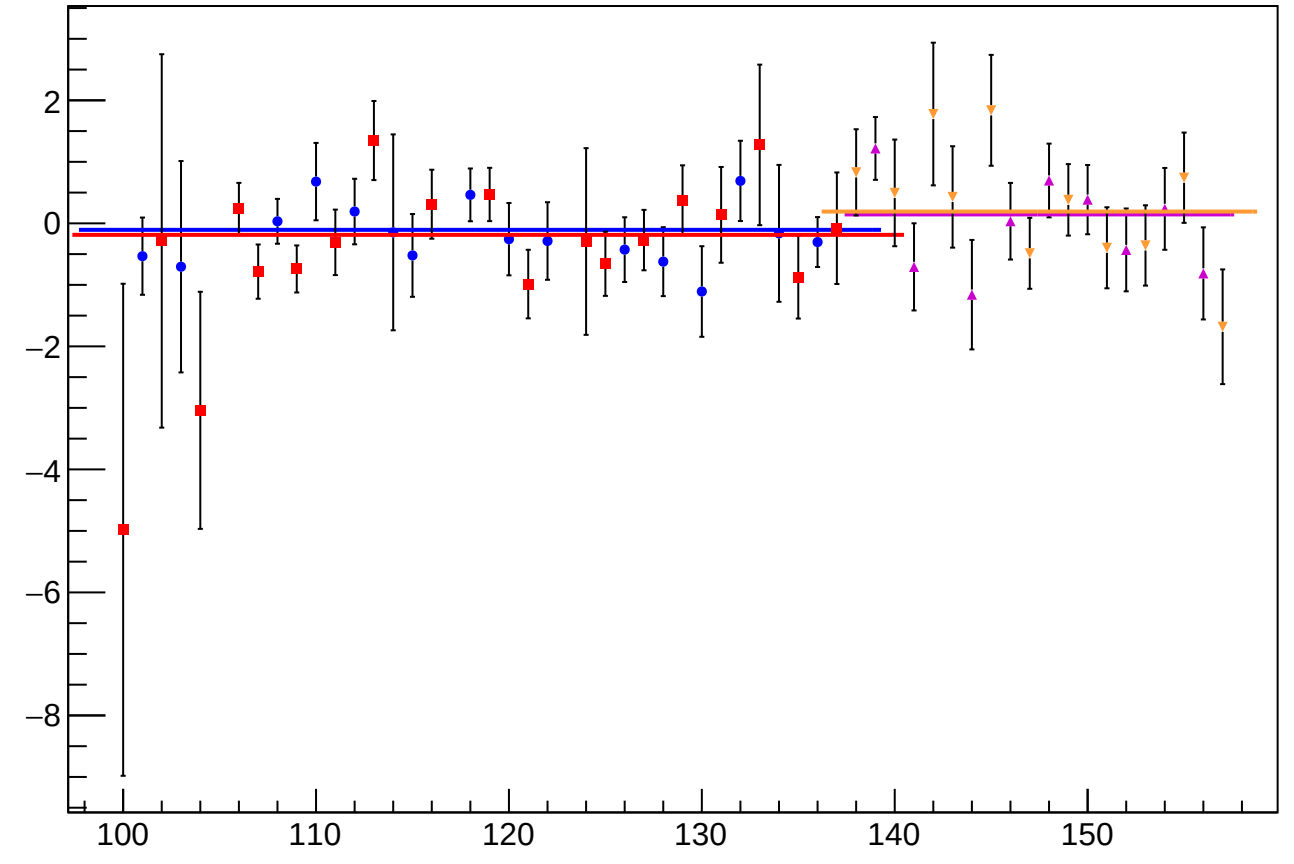
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 585.796+/-0.151 χ^2/NDF:391614.9/8

+ sign 444.596+/-0.086 χ^2/NDF: 3991228.0/26

All: 423.774+/-0.059 χ^2/NDF: 8765960.3/54

- sign 404.792+/-0.082 χ^2/NDF: 4661675.4/27



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.192+/-0.221 χ^2/NDF:13.8/10

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

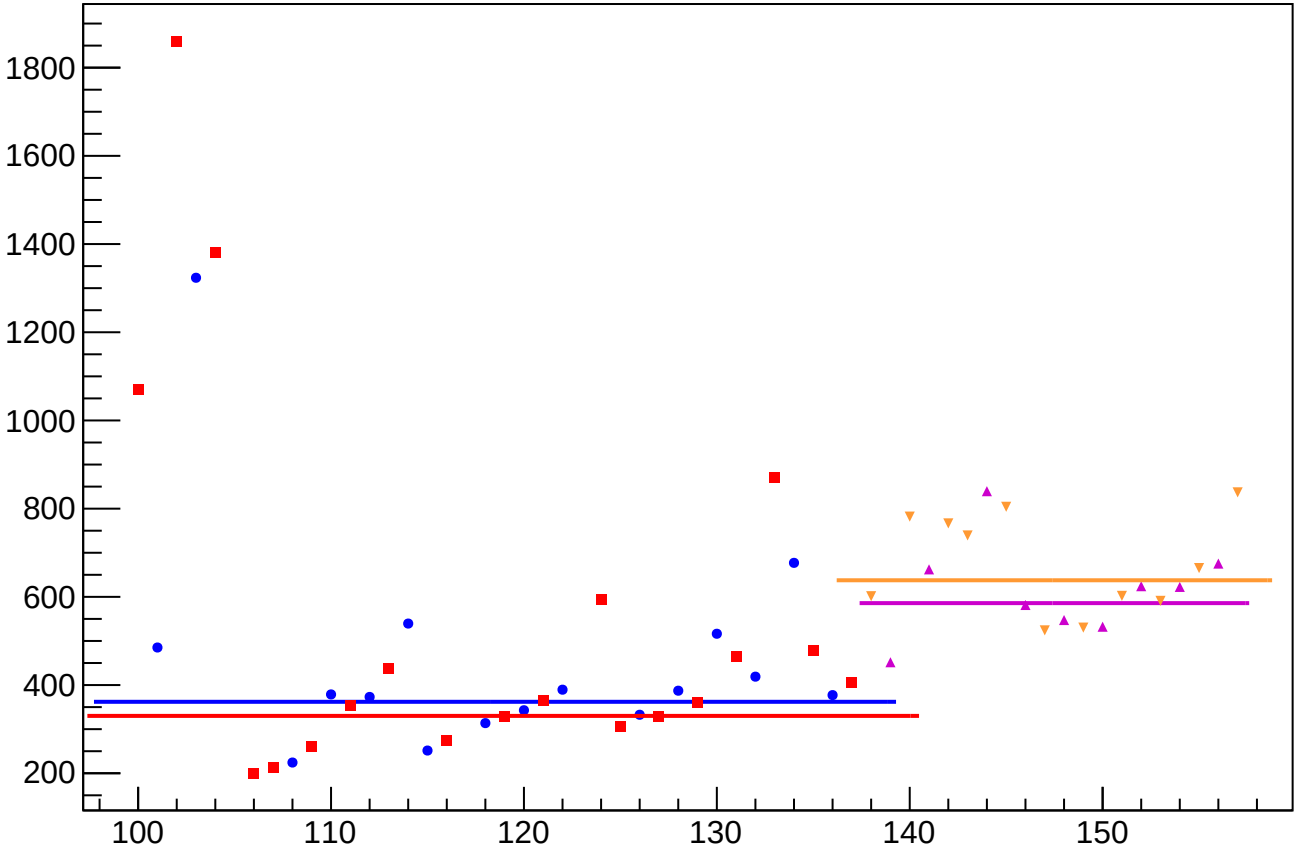
Left In: 0.145+/-0.214 χ^2/NDF:11.5/8

+ sign -0.016+/-0.121 χ^2/NDF: 24.8/26

All: -0.055+/-0.084 χ^2/NDF: 62.0/54

- sign -0.090+/-0.116 χ^2/NDF: 37.0/27

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.598+/-0.156 χ^2/NDF:440248.9/10

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

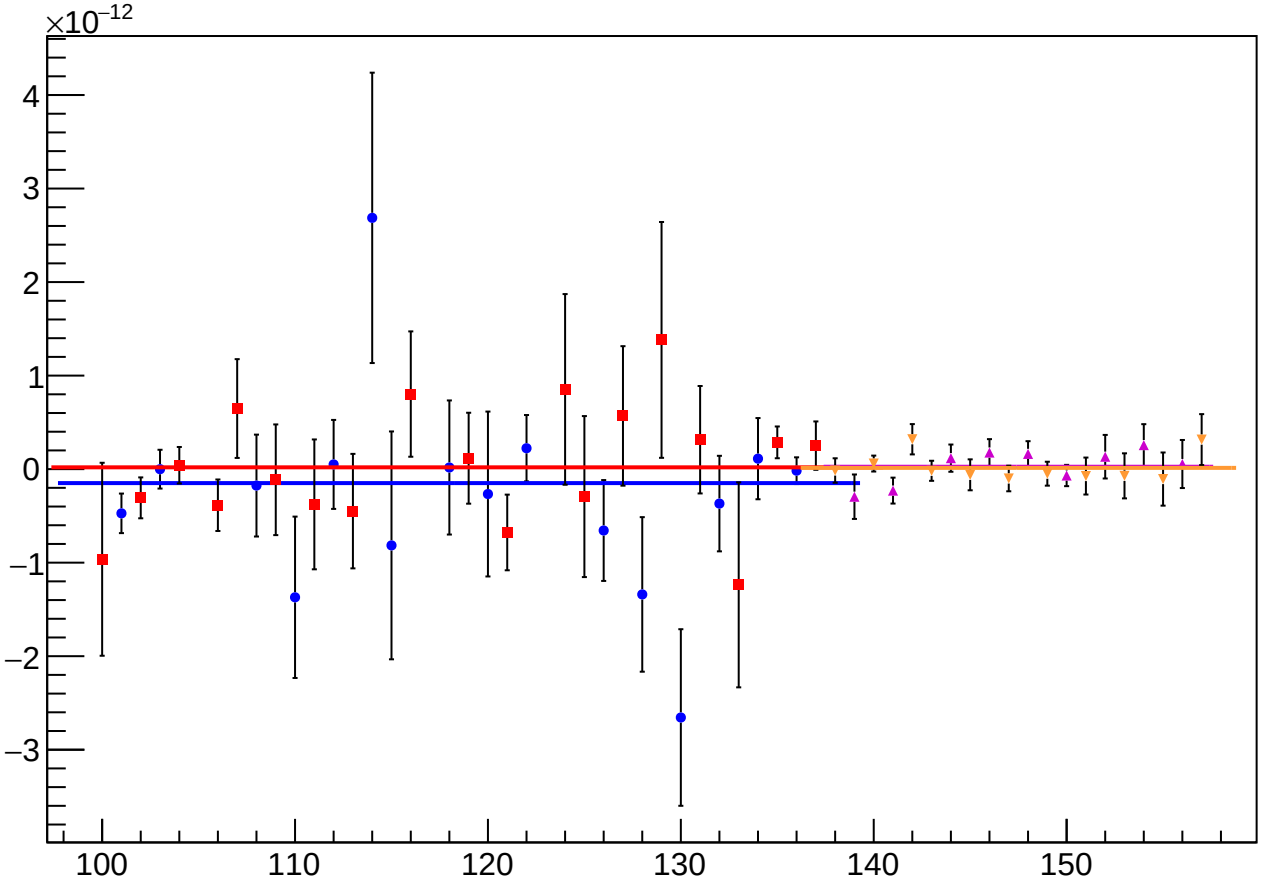
Left In: 585.796+/-0.151 χ^2/NDF:391614.9/8

+ sign 444.596+/-0.086 χ^2/NDF: 3991228.0/26

All: 423.774+/-0.059 χ^2/NDF: 8765960.3/54

- sign 404.792+/-0.082 χ^2/NDF: 4661675.4/27

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/10

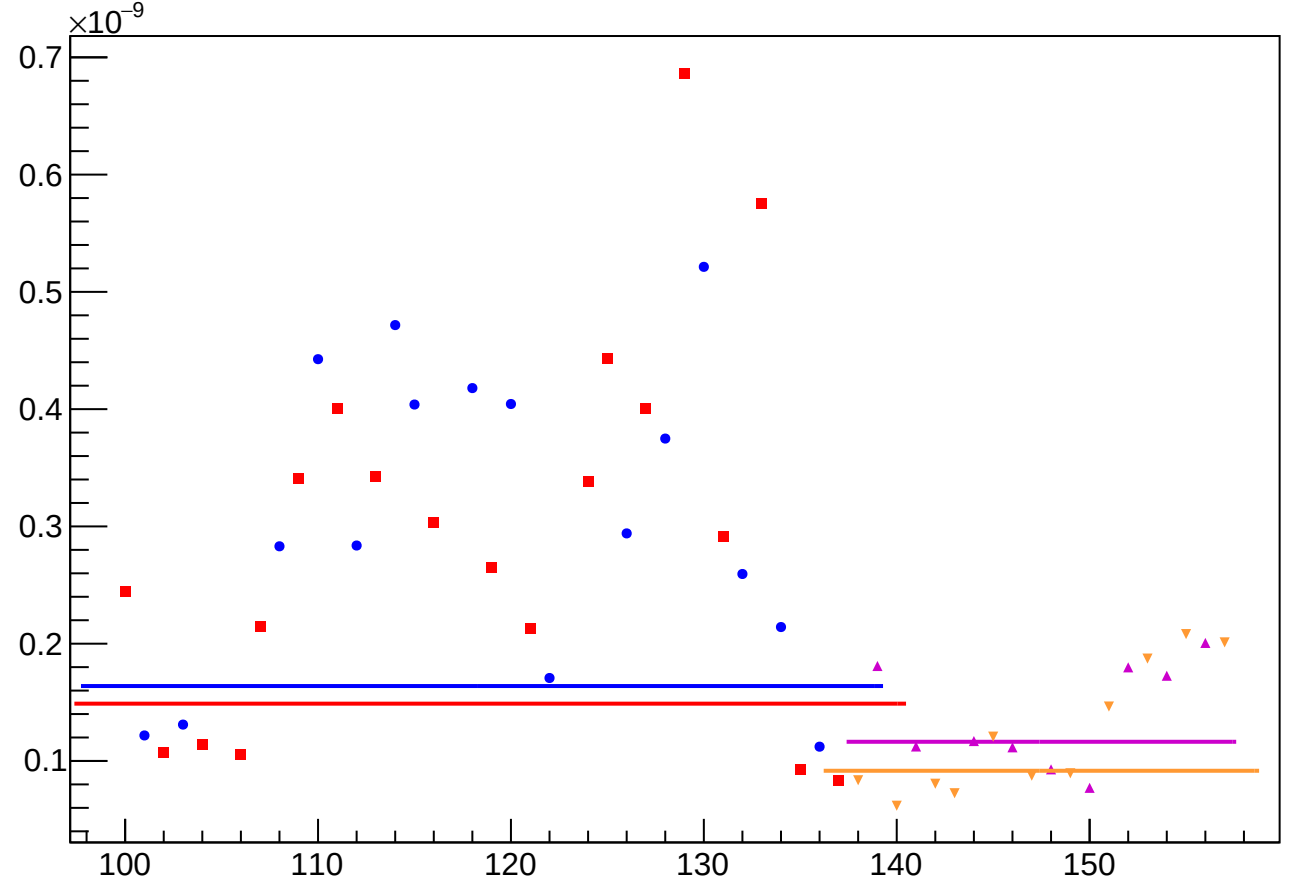
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/26

All: -0.000+/-0.000 χ^2/NDF: 60.6/54

- sign 0.000+/-0.000 χ^2/NDF: 29.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519310.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

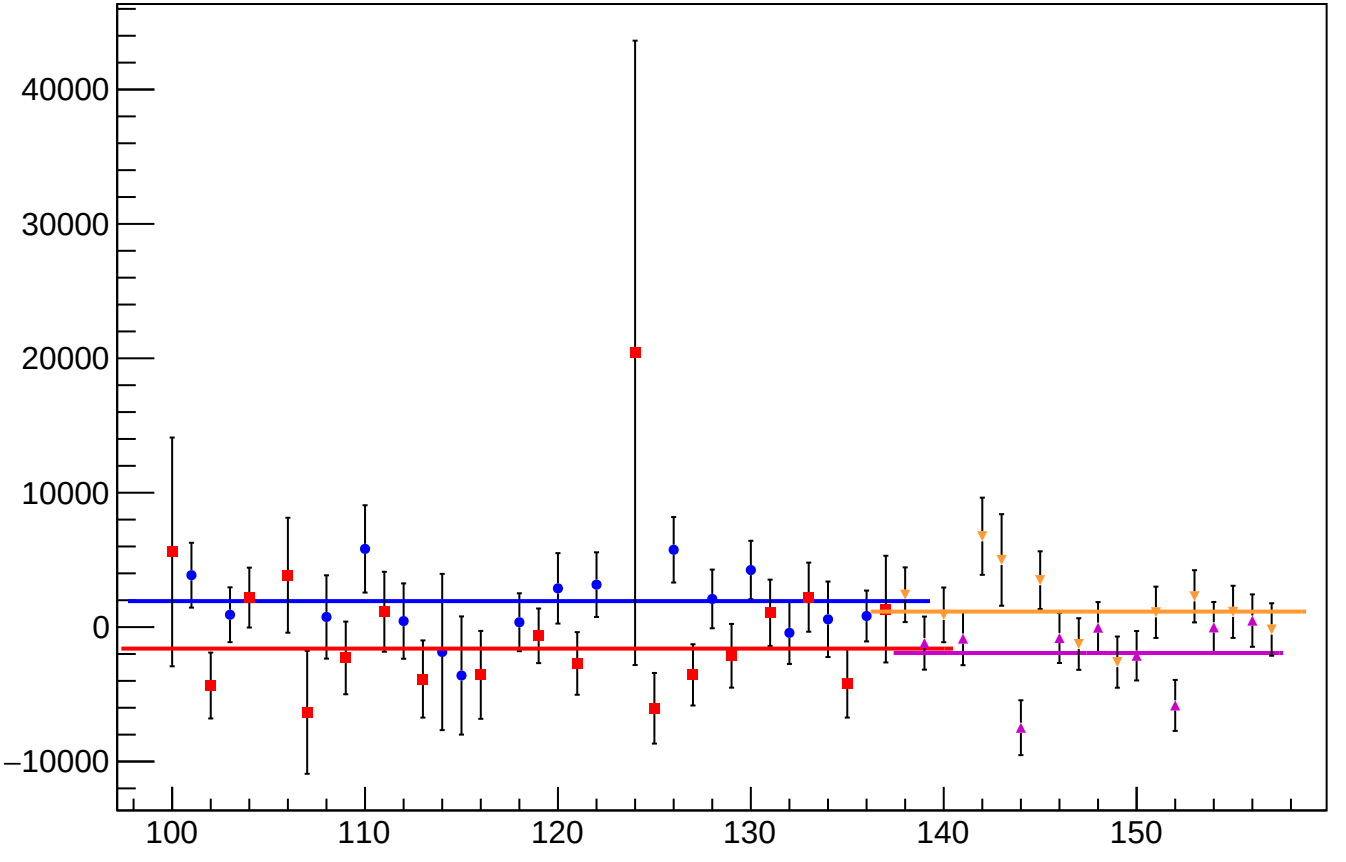
Left In: 0.000+/-0.000 χ^2/NDF:940097.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 4633363.1/26

All: 0.000+/-0.000 χ^2/NDF: 8863783.0/54

- sign 0.000+/-0.000 χ^2/NDF: 4001383.1/27

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.436+/-629.619 χ^2/NDF:13.0/10

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

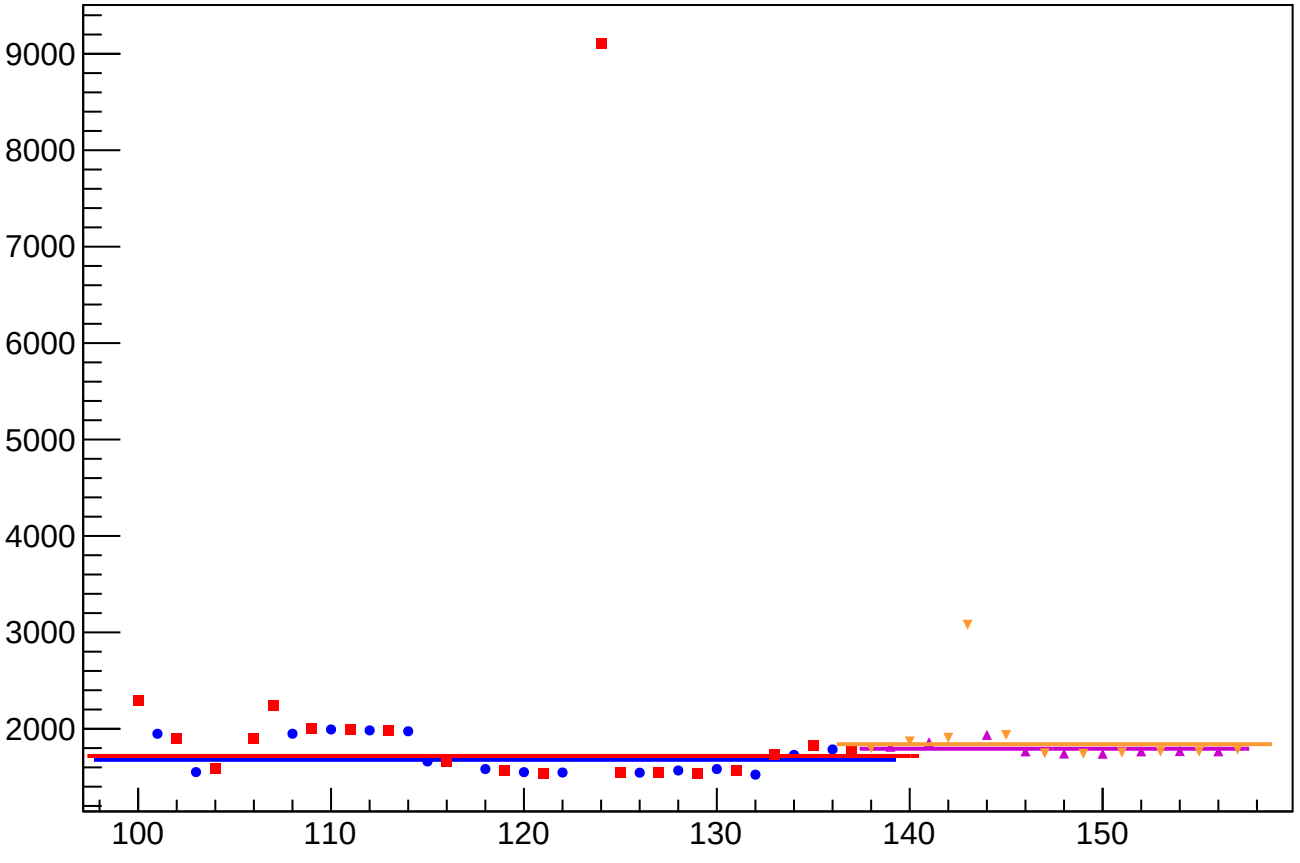
Left In: -1925.199+/-640.774 χ^2/NDF:16.0/8

+ sign 1546.177+/-444.590 χ^2/NDF: 24.6/26

All: -74.697+/-317.511 χ^2/NDF: 87.2/54

- sign -1761.945+/-453.601 χ^2/NDF: 35.5/27

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

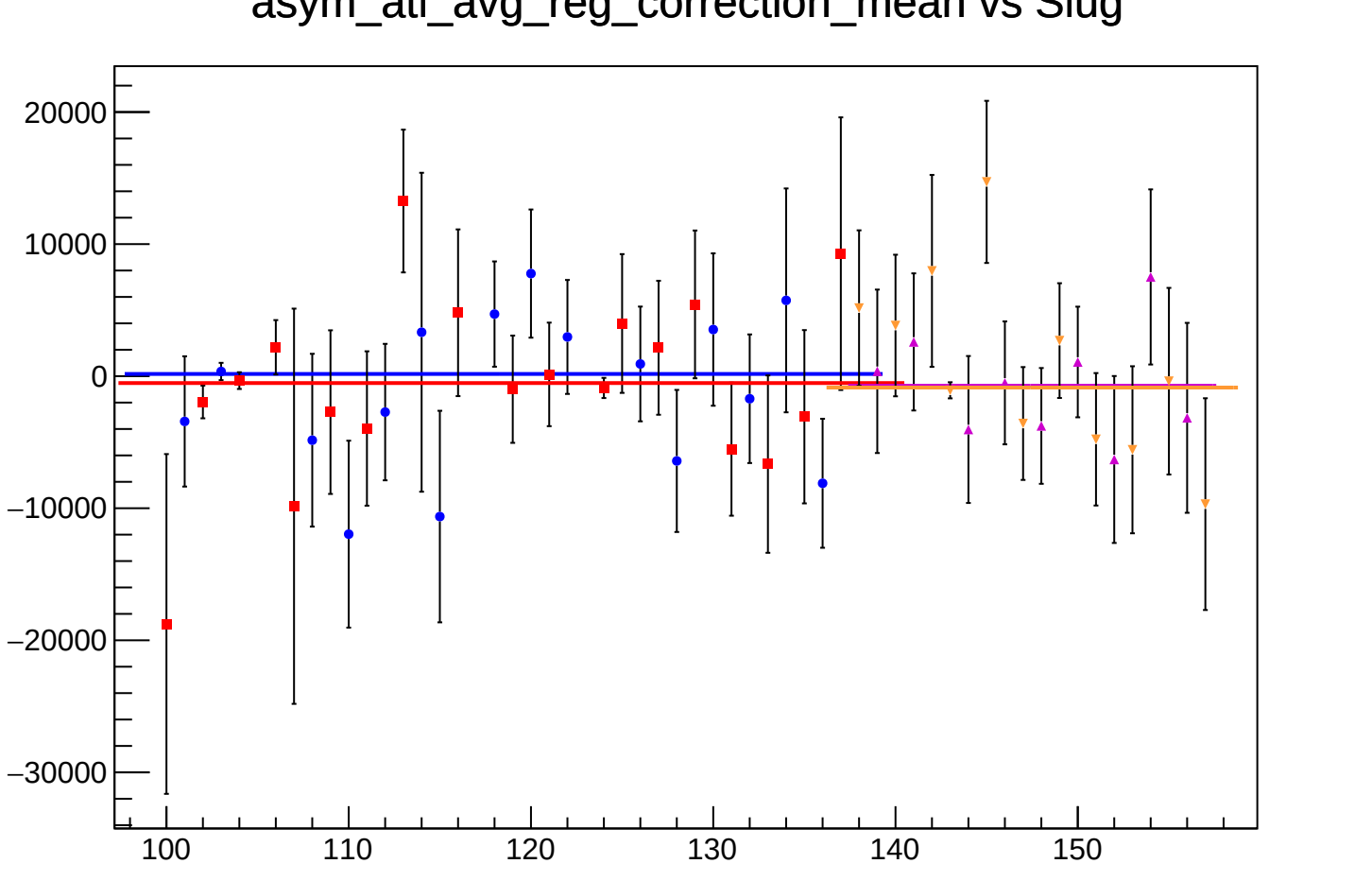
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1793.237+/-0.453 χ^2/NDF:16956.8/8

+ sign 1759.256+/-0.314 χ^2/NDF: 500172.9/26

All: 1757.500+/-0.224 χ^2/NDF: 914079.0/54

- sign 1755.681+/-0.320 χ^2/NDF: 413842.6/27



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -862.554+/-577.233 χ^2/NDF:13.3/10

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

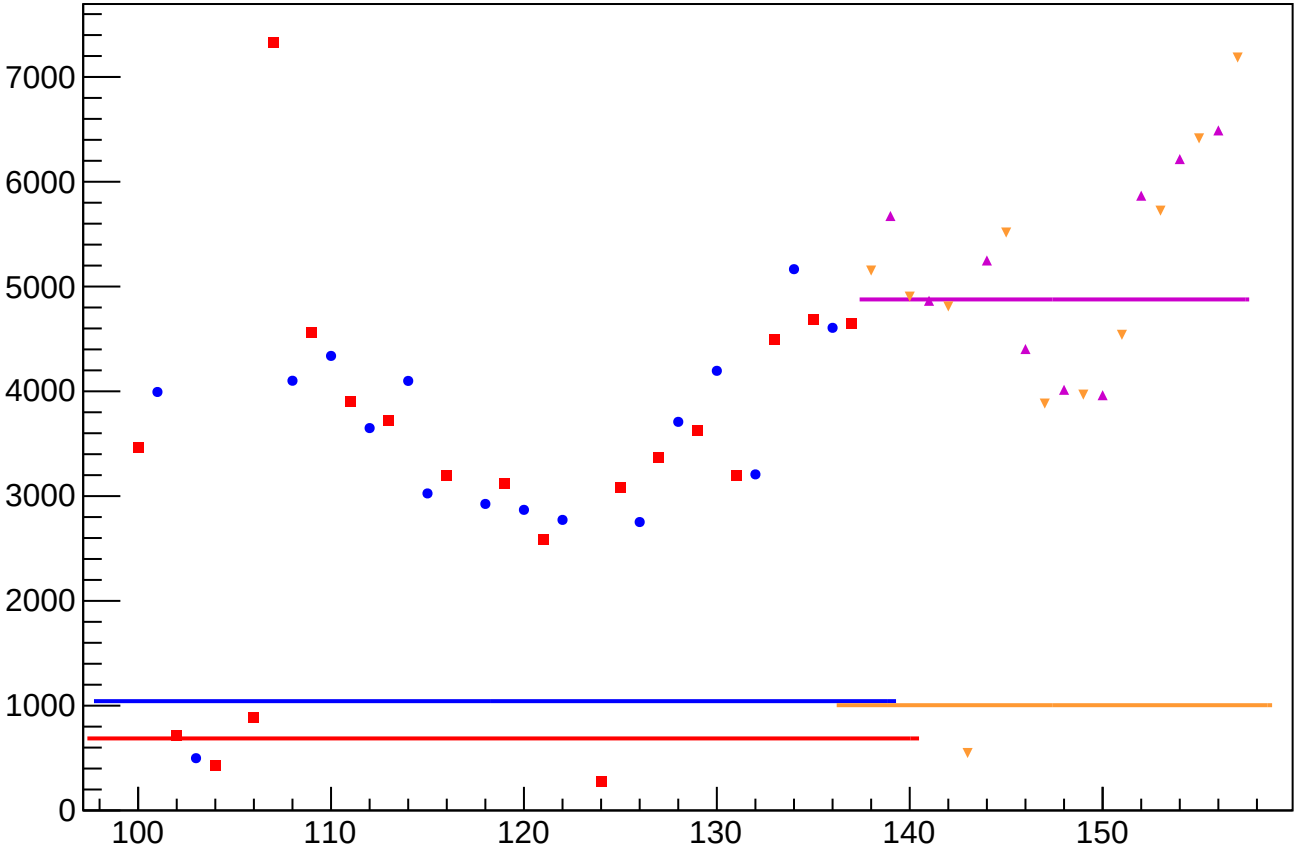
Left In: -726.564+/-1773.815 χ^2/NDF:3.9/8

+ sign -359.811+/-413.153 χ^2/NDF: 30.7/26

All: -446.029+/-292.126 χ^2/NDF: 53.2/54

- sign -532.225+/-413.103 χ^2/NDF: 22.5/27

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1004.527+/-0.408 χ^2/NDF:11104229.8/10

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

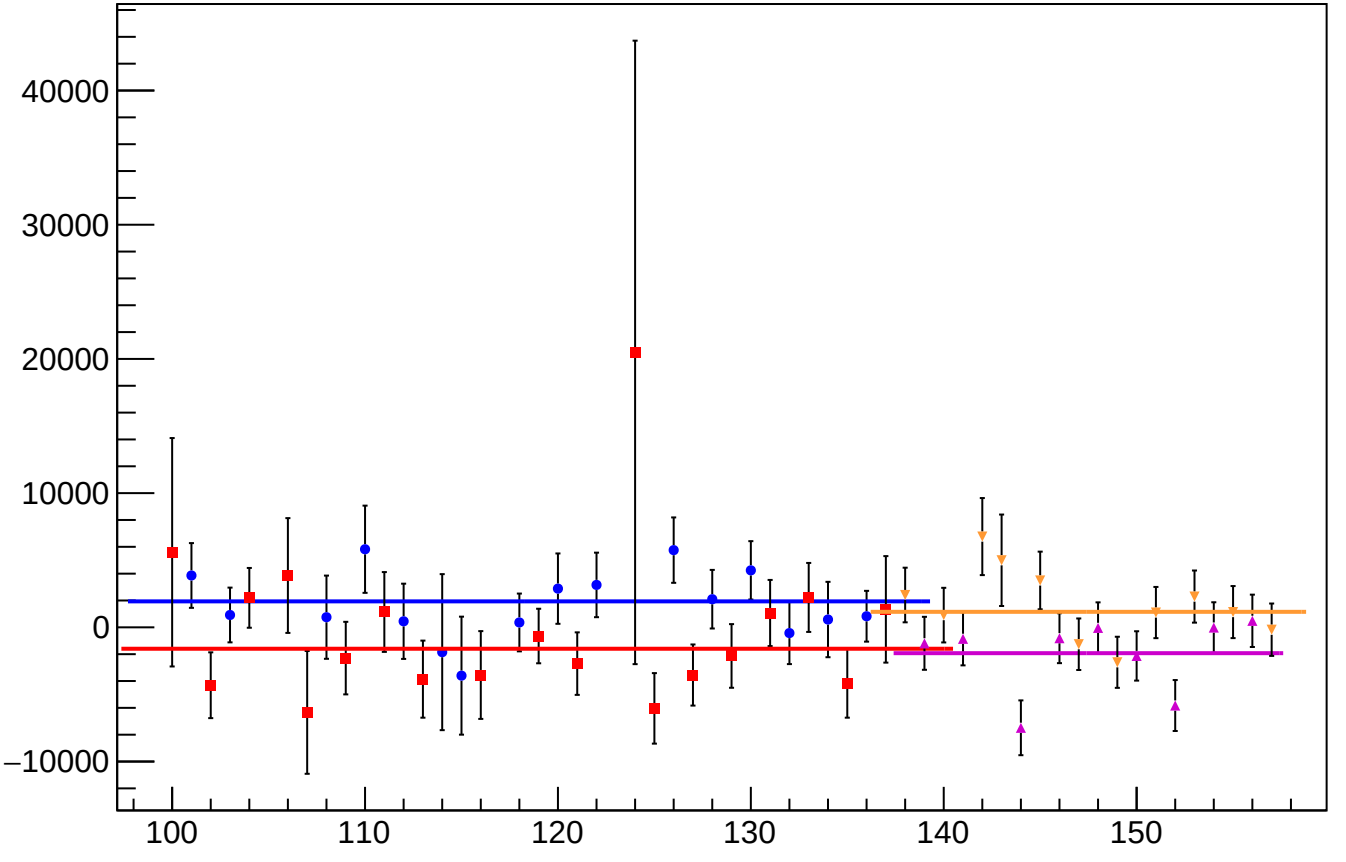
Left In: 4876.890+/-1.254 χ^2/NDF:466617.1/8

+ sign 1023.348+/-0.292 χ^2/NDF: 19220486.8/26

All: 968.947+/-0.207 χ^2/NDF: 38939913.3/54

- sign 914.560+/-0.292 χ^2/NDF: 19650085.8/27

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

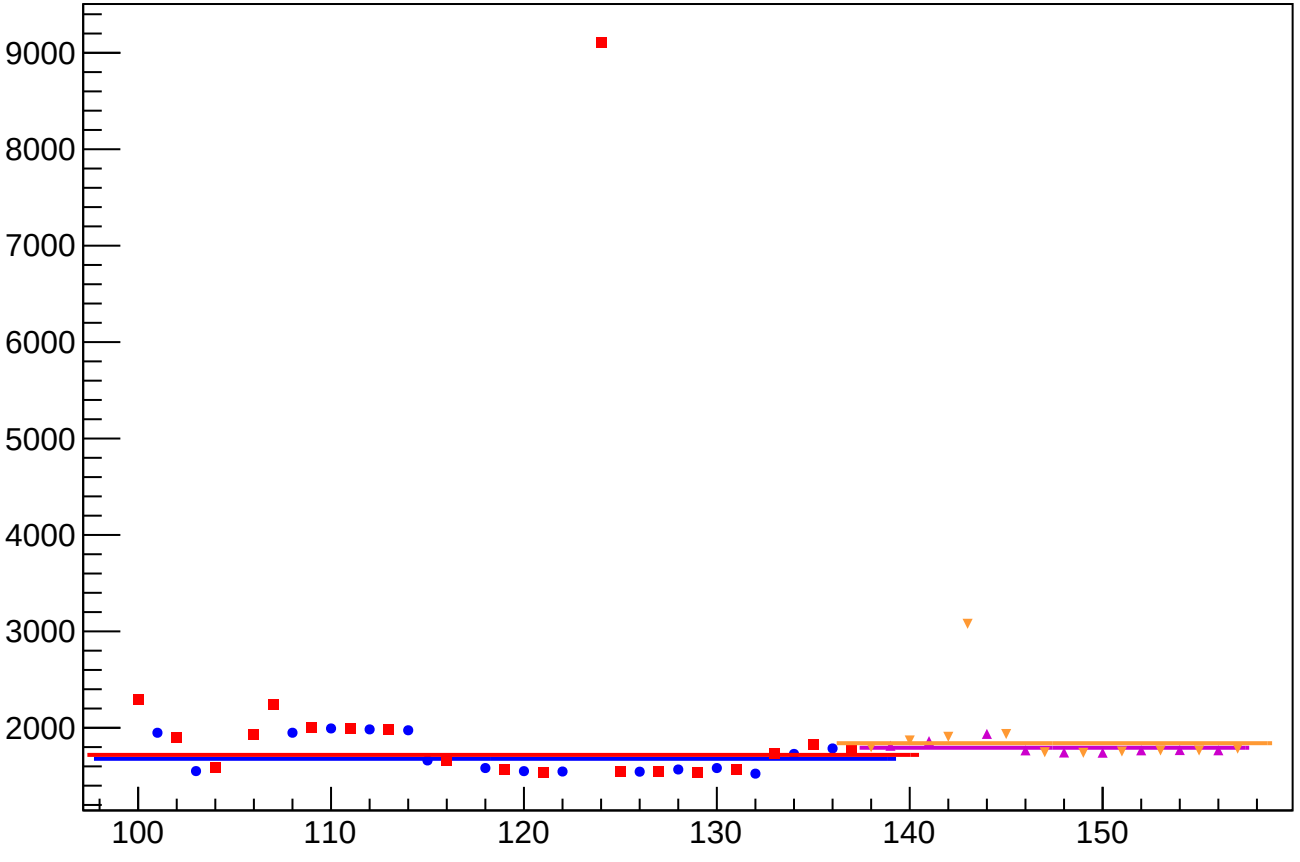
Left In: -1925.402+/-640.774 χ^2/NDF:16.0/8

+ sign 1546.235+/-444.590 χ^2/NDF: 24.6/26

All: -74.115+/-317.511 χ^2/NDF: 87.2/54

- sign -1760.831+/-453.603 χ^2/NDF: 35.5/27

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

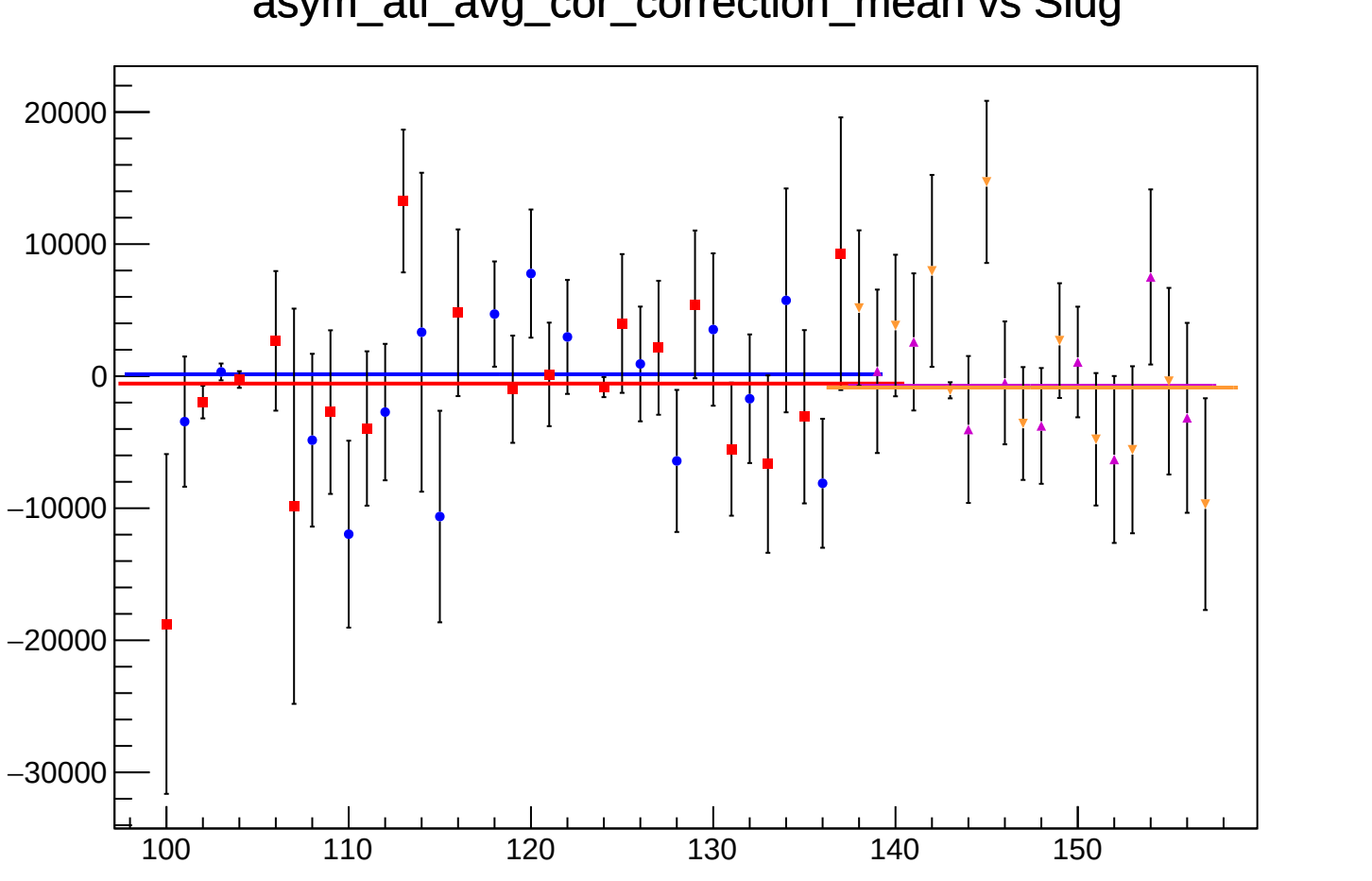
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1793.237+/-0.453 χ^2/NDF:16956.8/8

+ sign 1759.256+/-0.314 χ^2/NDF: 500173.0/26

All: 1757.715+/-0.224 χ^2/NDF: 915497.5/54

- sign 1756.117+/-0.320 χ^2/NDF: 415275.5/27



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

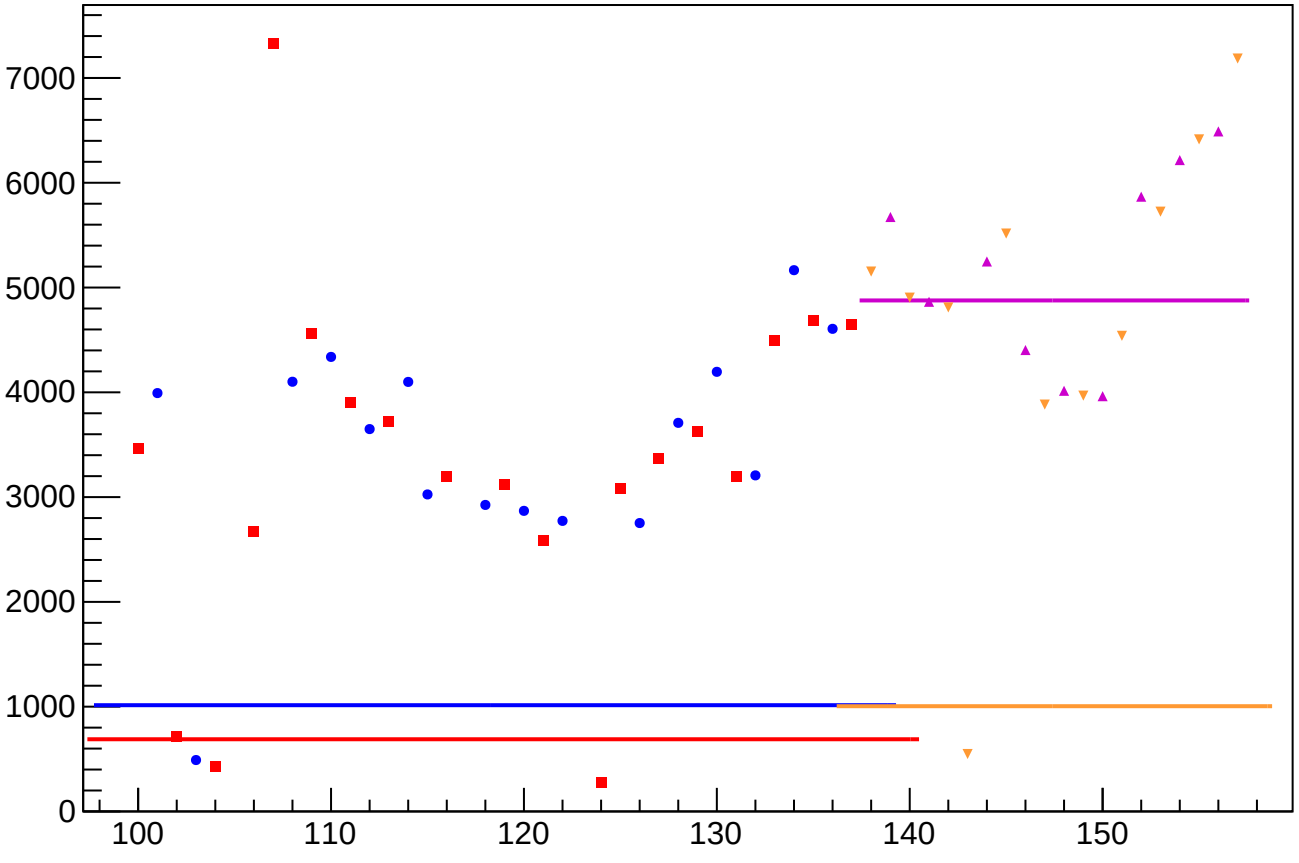
Left In: -726.704+/-1773.813 χ^2/NDF:3.9/8

+ sign -359.702+/-408.906 χ^2/NDF: 30.6/26

All: -462.740+/-292.462 χ^2/NDF: 51.9/54

- sign -570.651+/-418.467 χ^2/NDF: 21.1/27

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

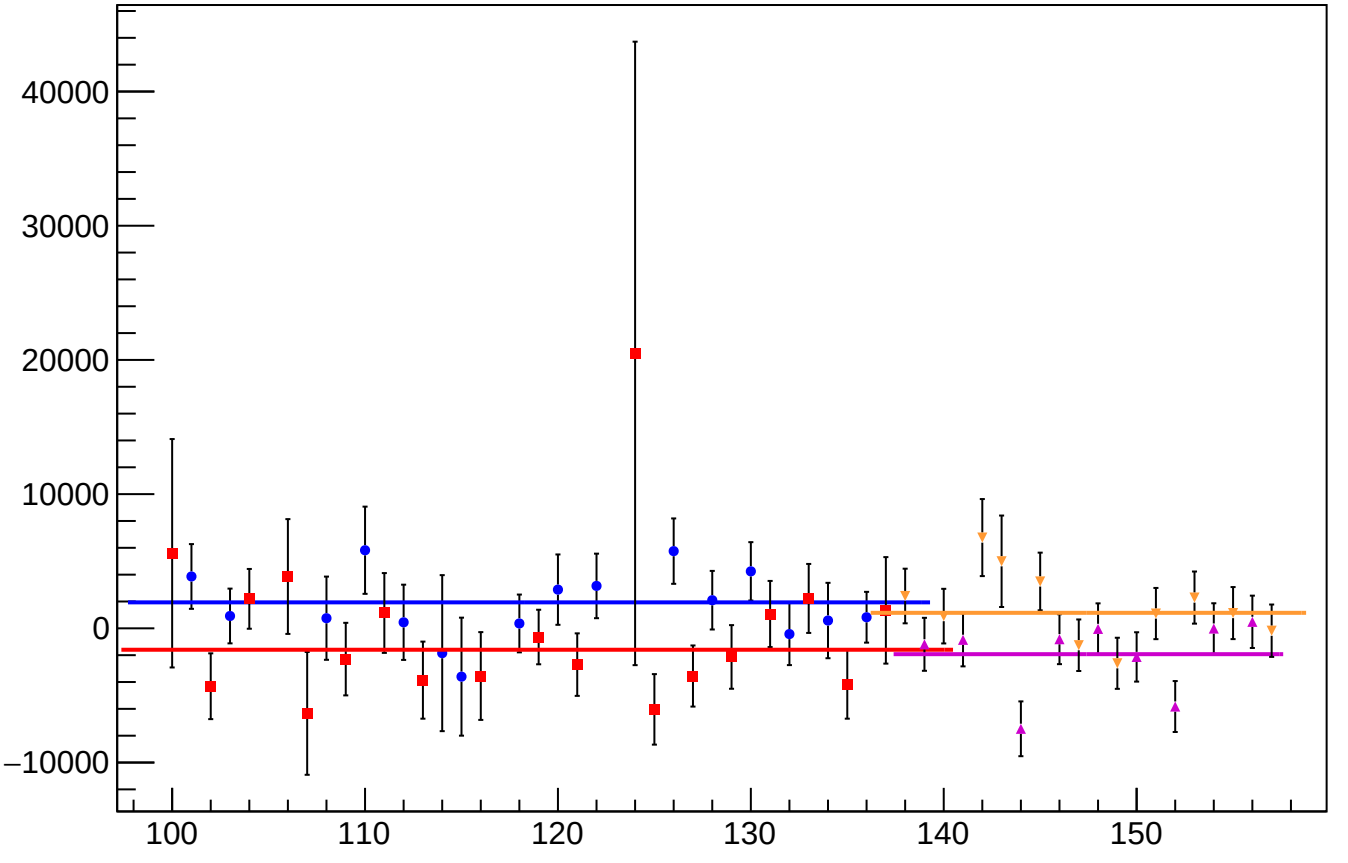
Left In: 4876.883+/-1.254 χ^2/NDF:466627.8/8

+ sign 1009.266+/-0.289 χ^2/NDF: 19327731.4/26

All: 966.704+/-0.207 χ^2/NDF: 39276517.9/54

- sign 922.129+/-0.296 χ^2/NDF: 19904424.8/27

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1155.437+/-629.619 χ^2/NDF:13.0/10

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

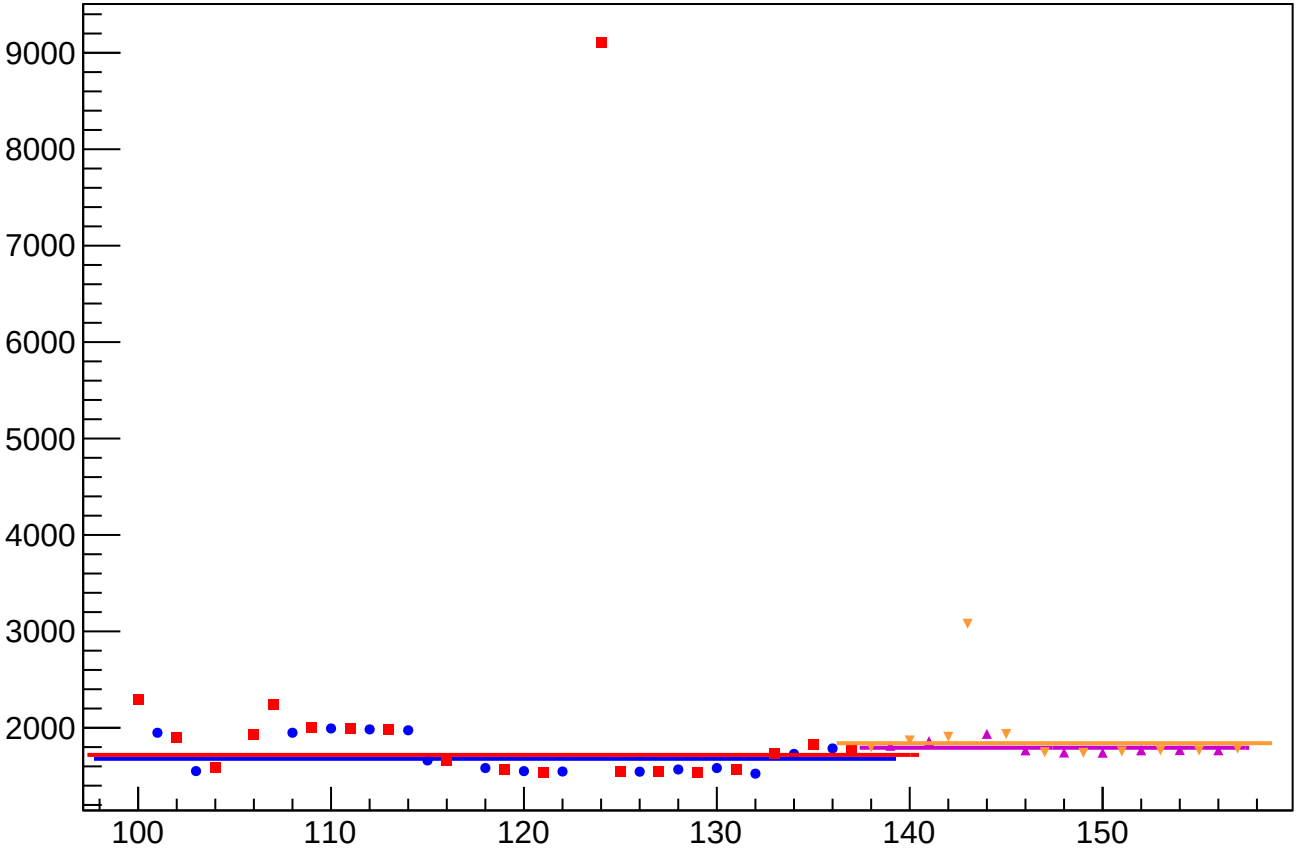
Left In: -1925.402+/-640.774 χ^2/NDF:16.0/8

+ sign 1546.235+/-444.590 χ^2/NDF: 24.6/26

All: -74.115+/-317.511 χ^2/NDF: 87.2/54

- sign -1760.831+/-453.603 χ^2/NDF: 35.5/27

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1840.419+/-0.445 χ^2/NDF:292405.8/10

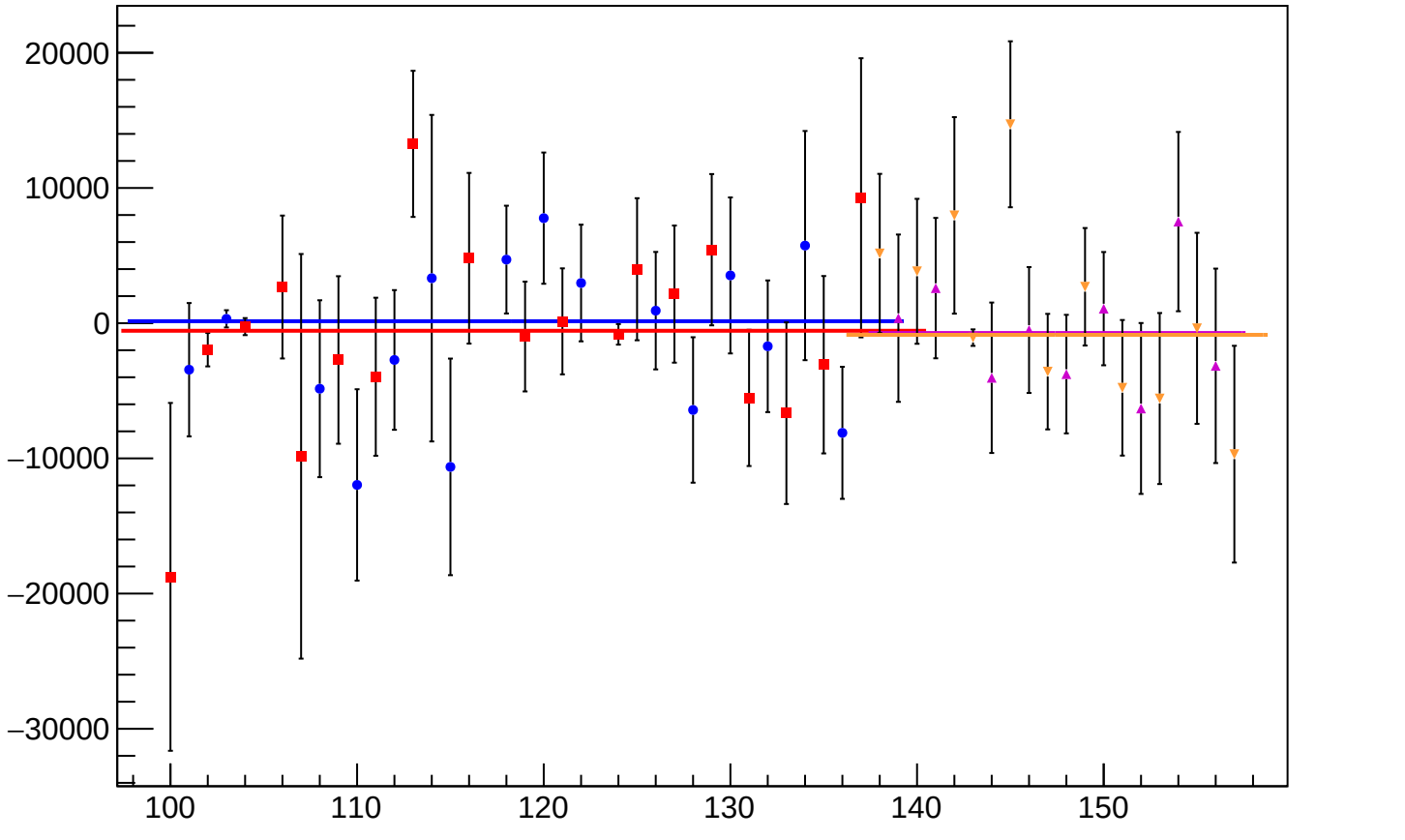
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1793.237+/-0.453 χ^2/NDF:16956.8/8

+ sign 1759.256+/-0.314 χ^2/NDF: 500173.0/26

All: 1757.715+/-0.224 χ^2/NDF: 915497.5/54

- sign 1756.117+/-0.320 χ^2/NDF: 415275.5/27



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -862.210+/-577.211 χ^2/NDF:13.3/10

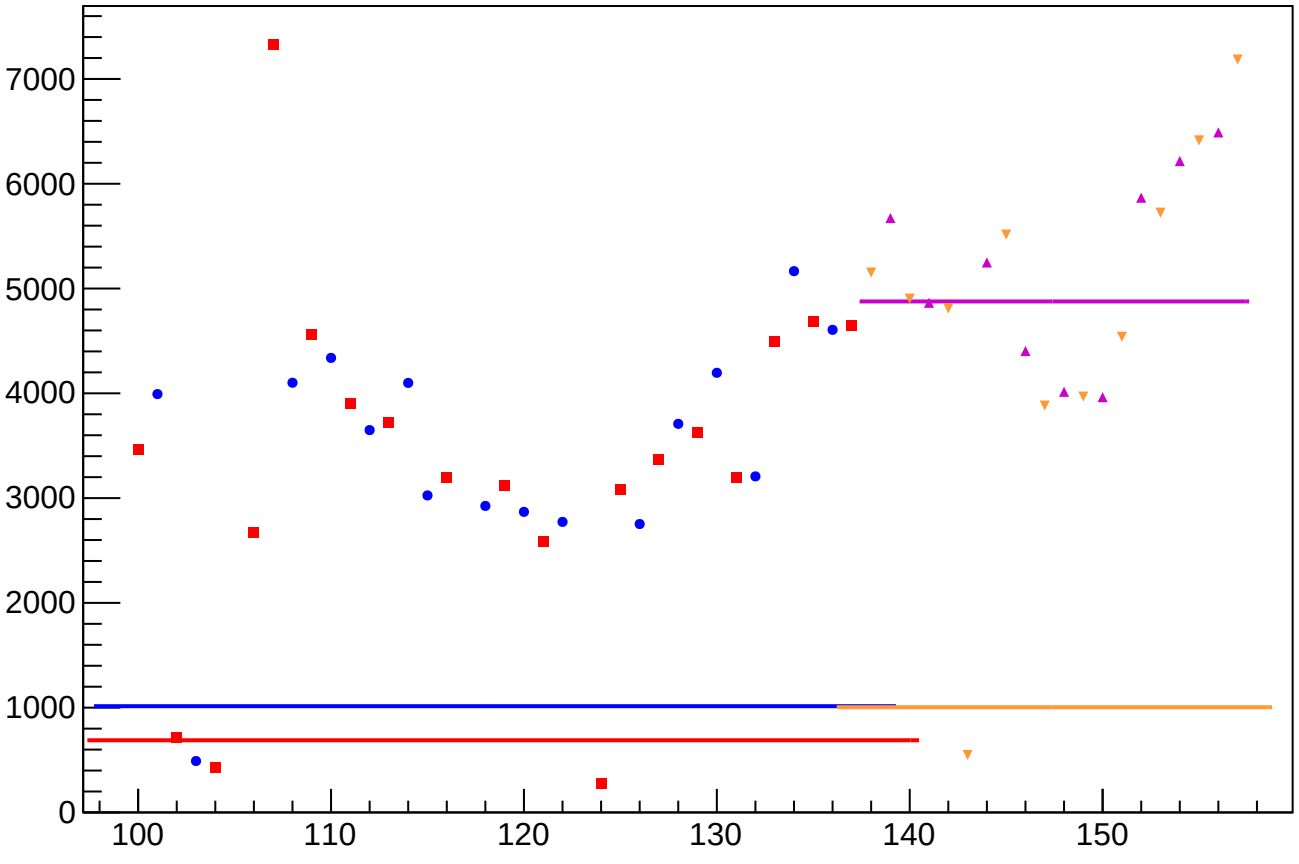
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -726.704+/-1773.813 χ^2/NDF:3.9/8

\+ sign -359.702+/-408.906 χ^2/NDF: 30.6/26

All: -462.740+/-292.462 χ^2/NDF: 51.9/54

\- sign -570.651+/-418.467 χ^2/NDF: 21.1/27



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1004.474+/-0.408 χ^2/NDF:11104437.0/10

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

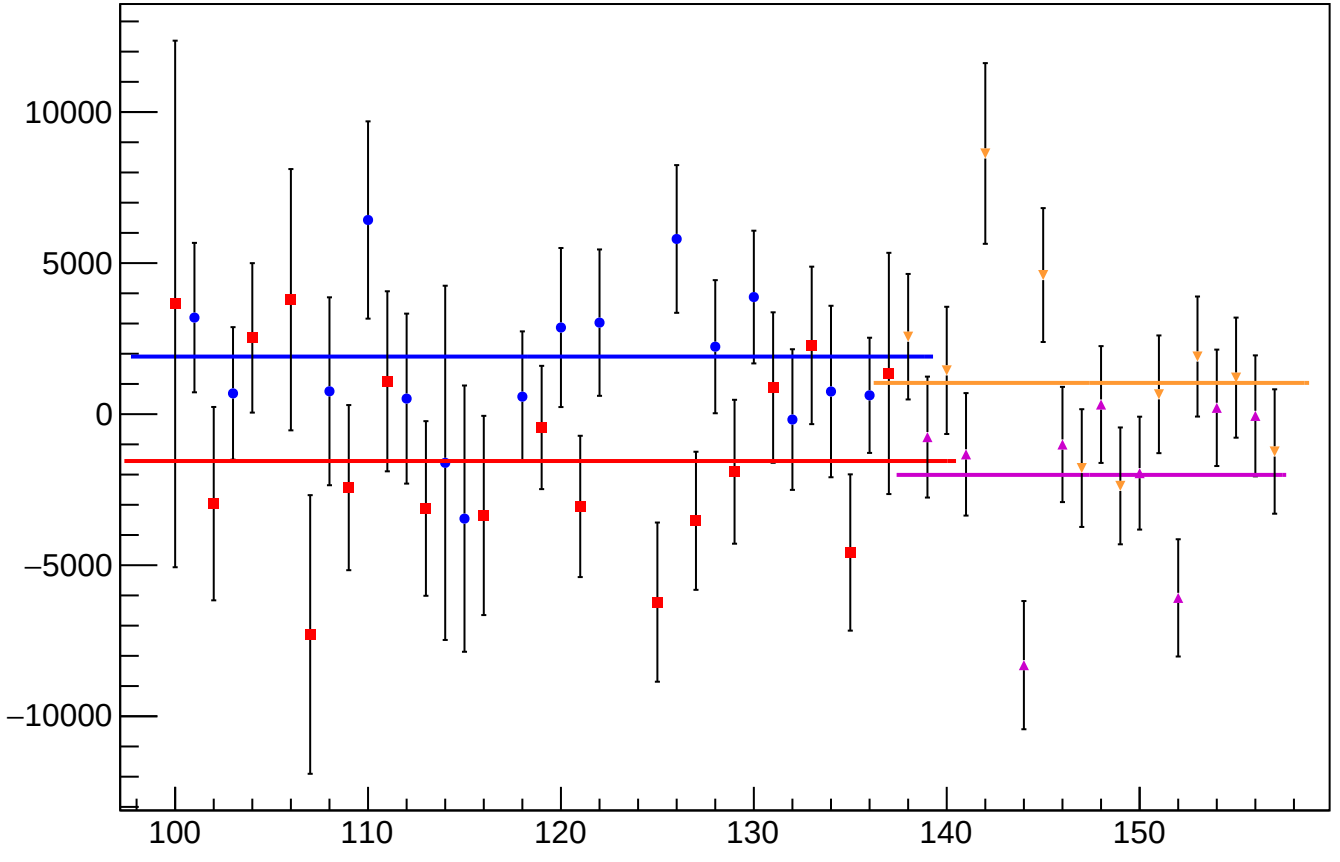
Left In: 4876.883+/-1.254 χ^2/NDF:466627.8/8

+ sign 1009.266+/-0.289 χ^2/NDF: 19327731.4/26

All: 966.704+/-0.207 χ^2/NDF: 39276517.9/54

- sign 922.129+/-0.296 χ^2/NDF: 19904424.8/27

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.720+/-658.069 χ^2/NDF:16.3/9

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

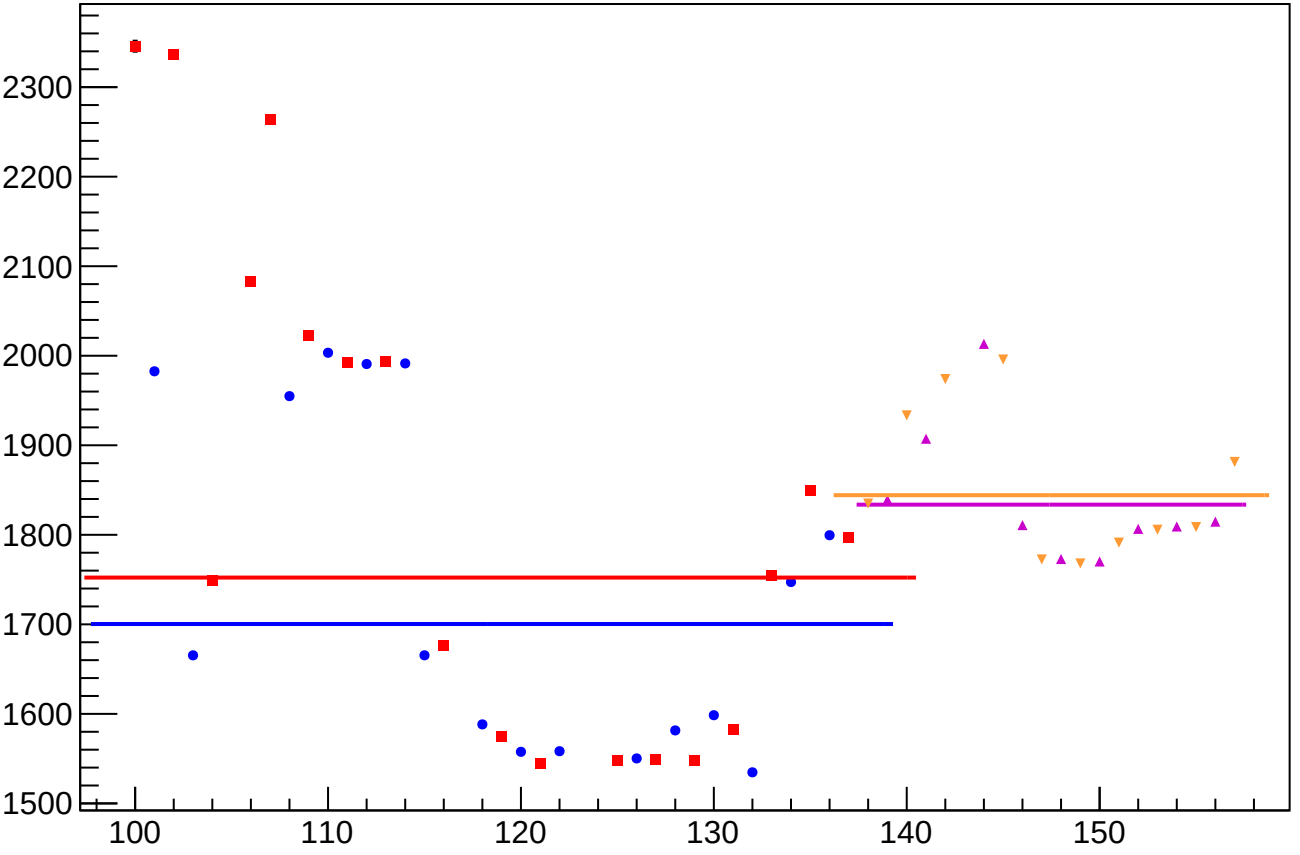
Left In: -2010.151+/-655.382 χ^2/NDF:17.7/8

+ sign 1485.024+/-457.484 χ^2/NDF: 27.4/25

All: -120.675+/-326.259 χ^2/NDF: 87.9/52

- sign -1782.547+/-465.417 χ^2/NDF: 35.4/26

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1844.256+/-0.465 χ^2/NDF:26086.8/9

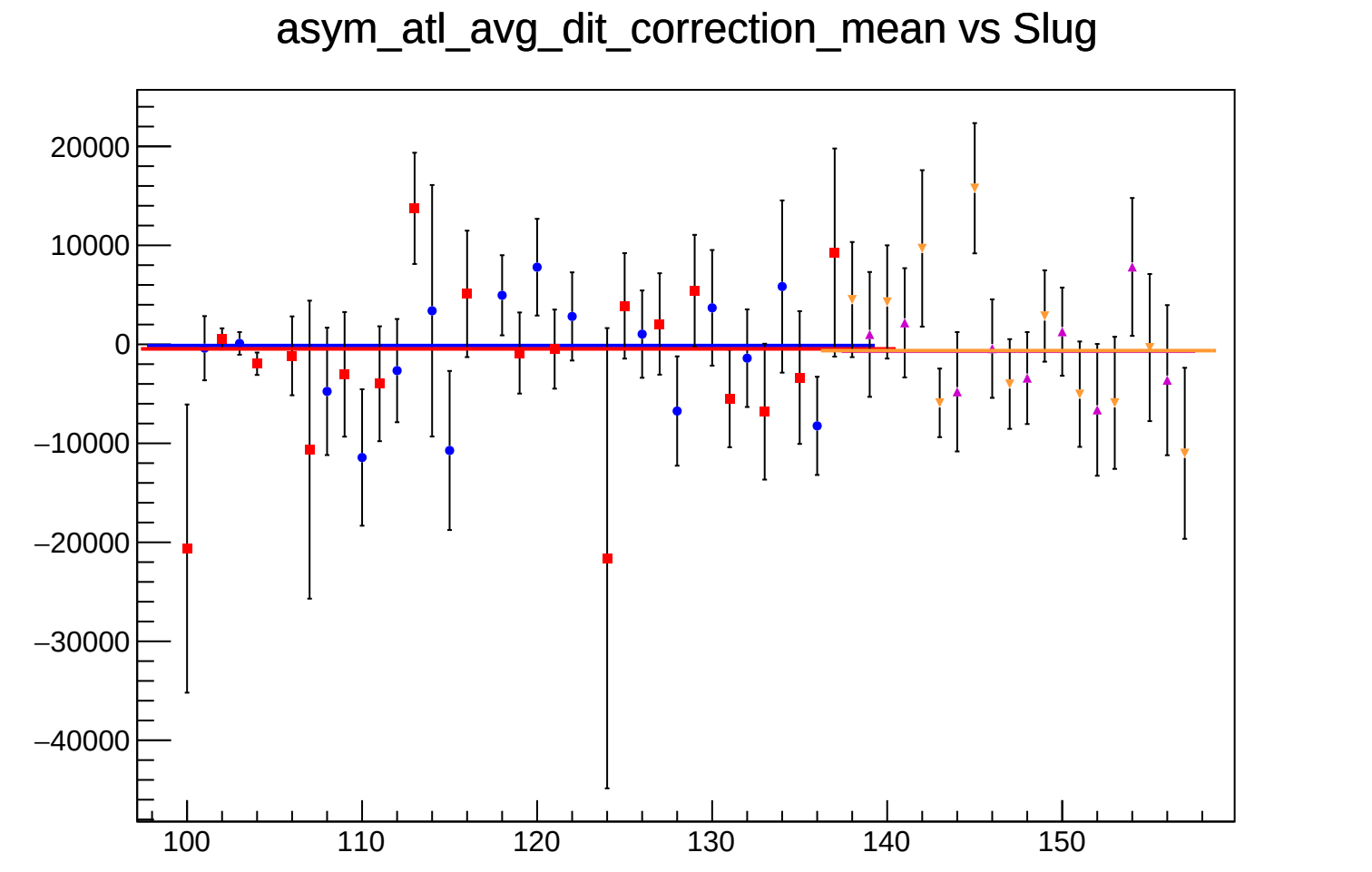
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1833.684+/-0.463 χ^2/NDF:22434.3/8

+ sign 1769.902+/-0.323 χ^2/NDF: 210920.1/25

All: 1781.374+/-0.231 χ^2/NDF: 499208.9/52

- sign 1793.220+/-0.329 χ^2/NDF: 285732.7/26



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -633.923+/-1649.492 χ^2/NDF:15.7/10

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

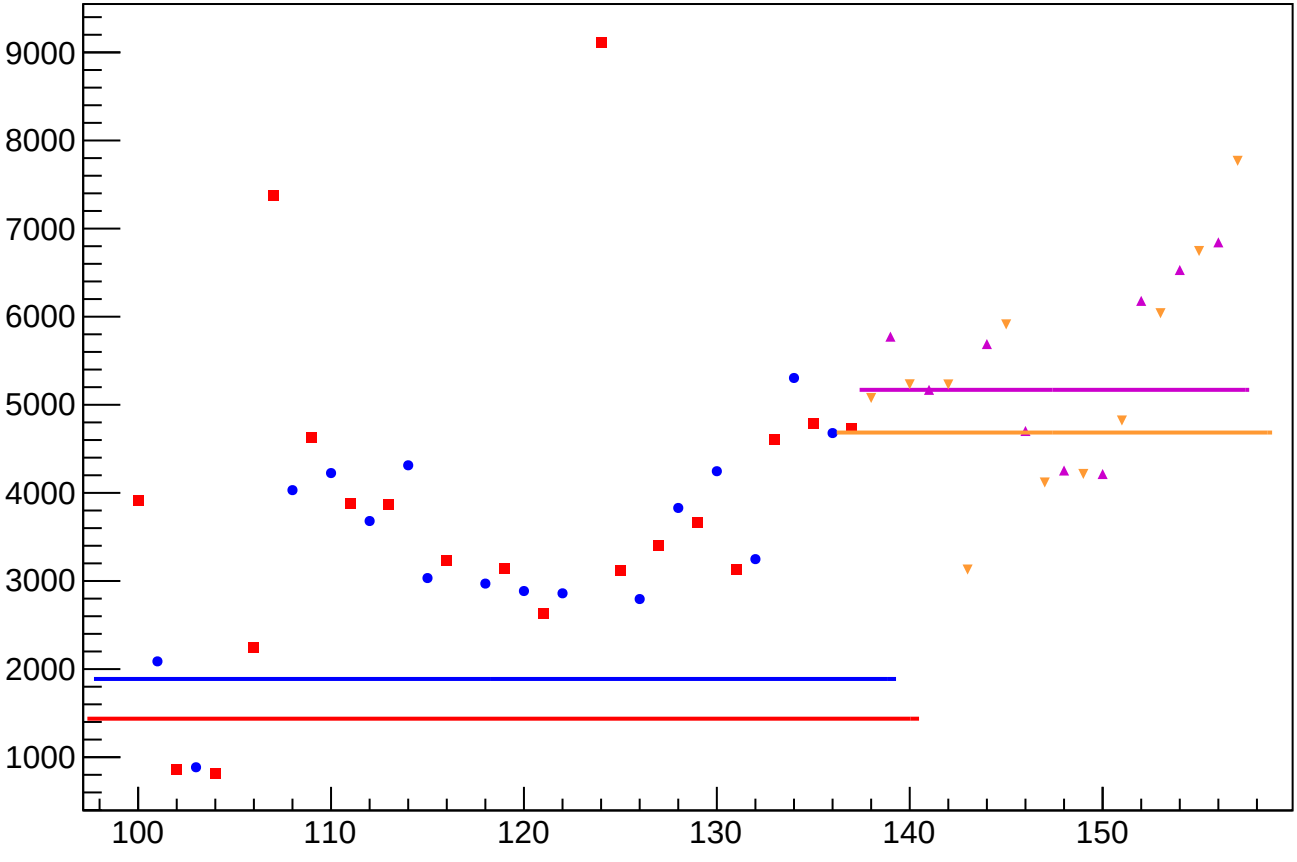
Left In: -694.972+/-1878.929 χ^2/NDF:3.8/8

+ sign -235.660+/-767.892 χ^2/NDF: 30.8/26

All: -384.012+/-491.049 χ^2/NDF: 53.2/54

- sign -486.649+/-638.712 χ^2/NDF: 22.3/27

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4685.037+/-1.166 χ^2/NDF:1054167.6/10

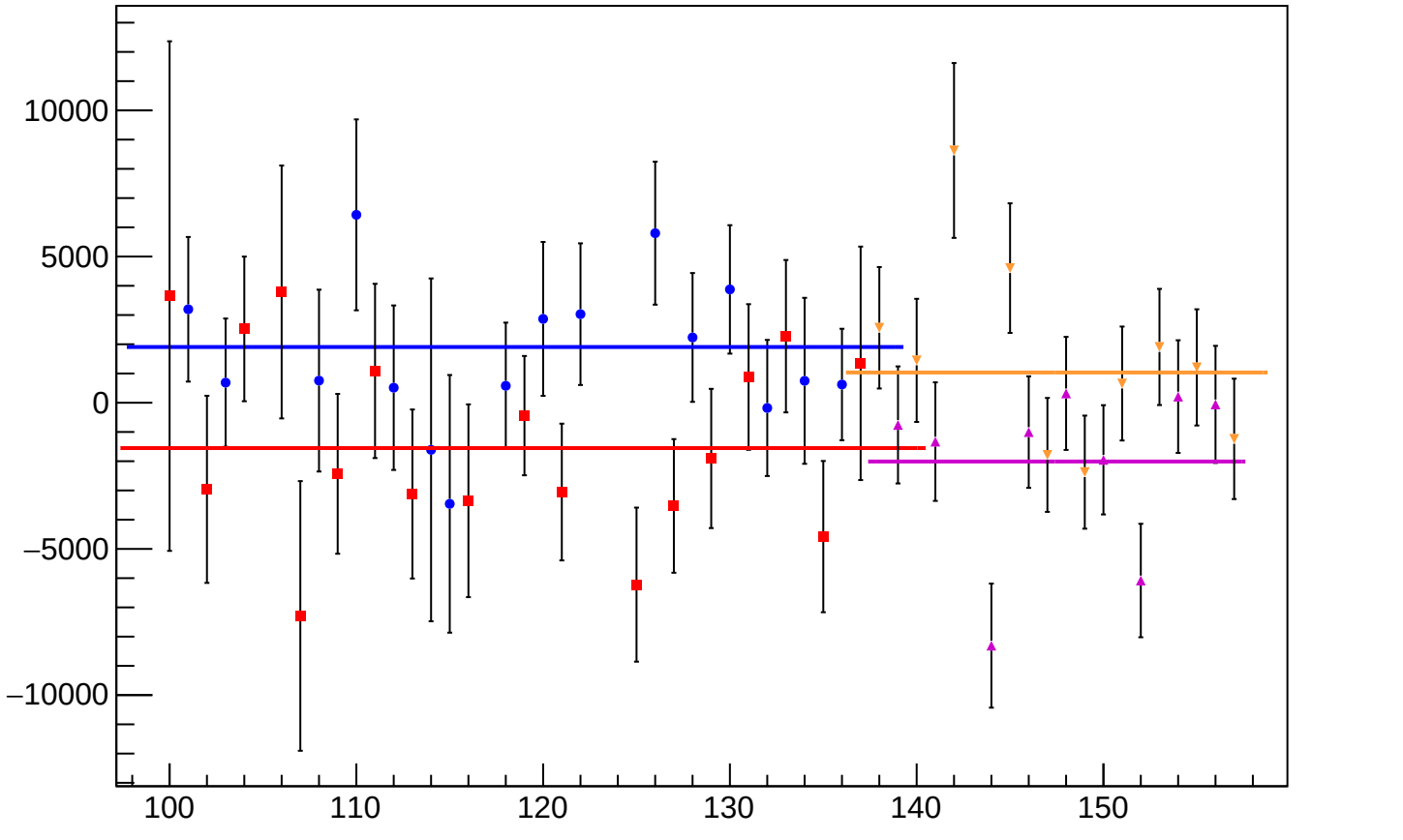
Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5169.731+/-1.329 χ^2/NDF:440403.7/8

+ sign 2494.175+/-0.543 χ^2/NDF: 9984325.3/26

All: 2124.317+/-0.347 χ^2/NDF: 24154749.4/5

- sign 1868.432+/-0.452 χ^2/NDF: 13385441.9/27



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1034.724+/-658.070 χ^2/NDF:16.3/9

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

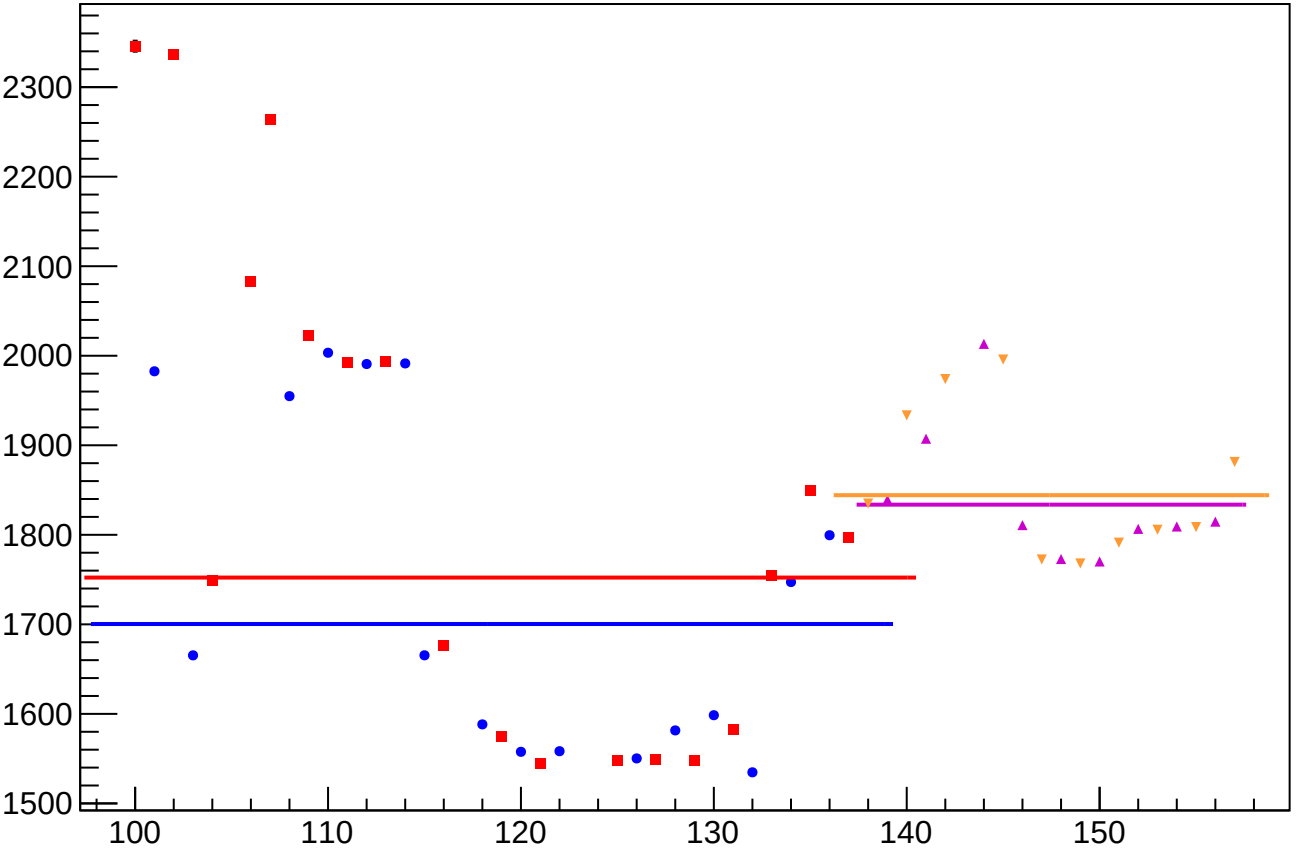
Left In: -2010.151+/-655.382 χ^2/NDF:17.7/8

+ sign 1485.026+/-457.484 χ^2/NDF: 27.4/25

All: -120.673+/-326.259 χ^2/NDF: 87.9/52

- sign -1782.545+/-465.418 χ^2/NDF: 35.4/26

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1844.258+/-0.465 χ^2/NDF:26087.3/9

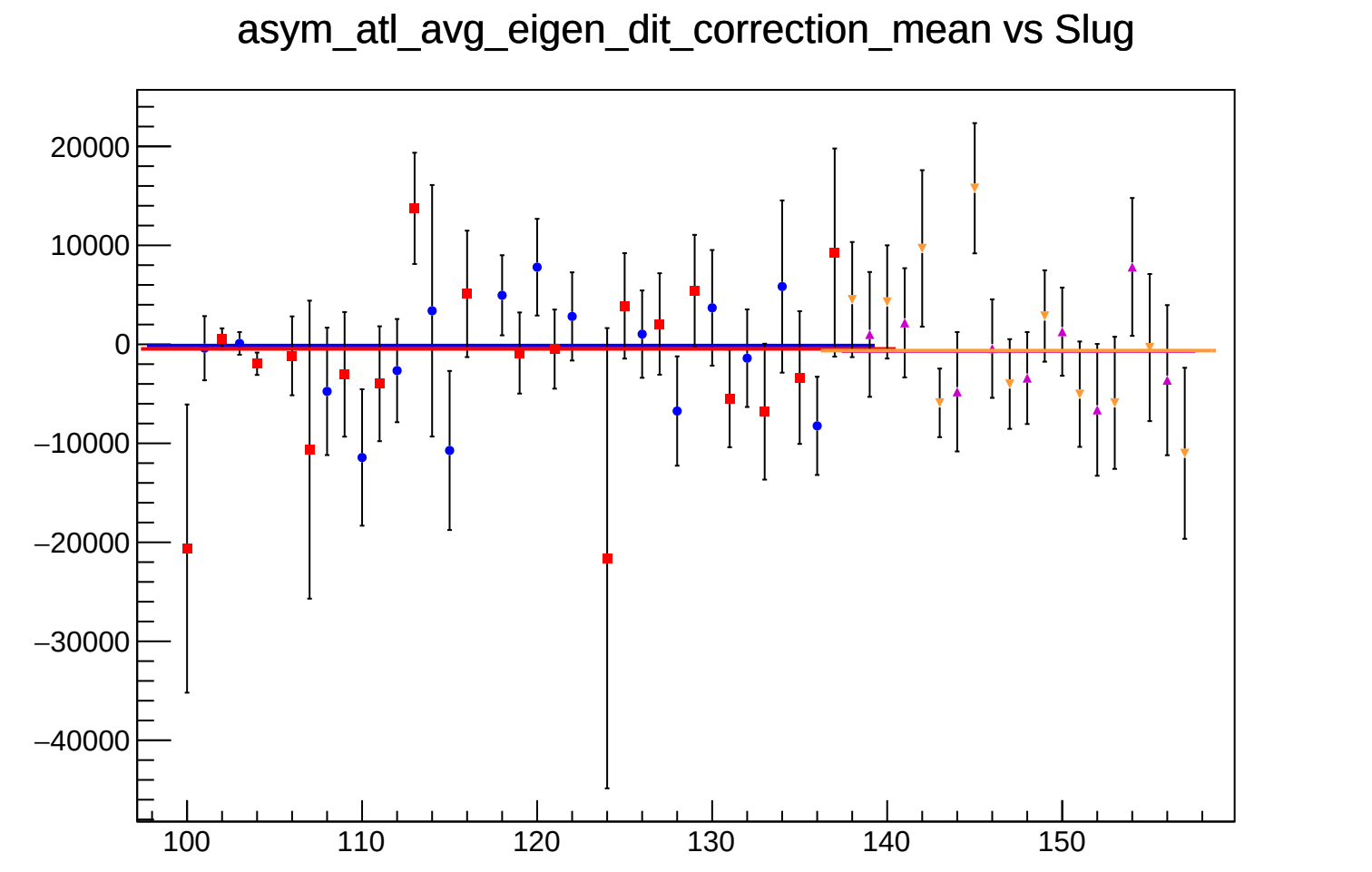
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1833.685+/-0.463 χ^2/NDF:22434.6/8

+ sign 1769.903+/-0.323 χ^2/NDF: 210921.9/25

All: 1781.374+/-0.231 χ^2/NDF: 499211.1/52

- sign 1793.220+/-0.329 χ^2/NDF: 285733.2/26



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -633.927+/-1649.493 χ^2/NDF:15.7/10

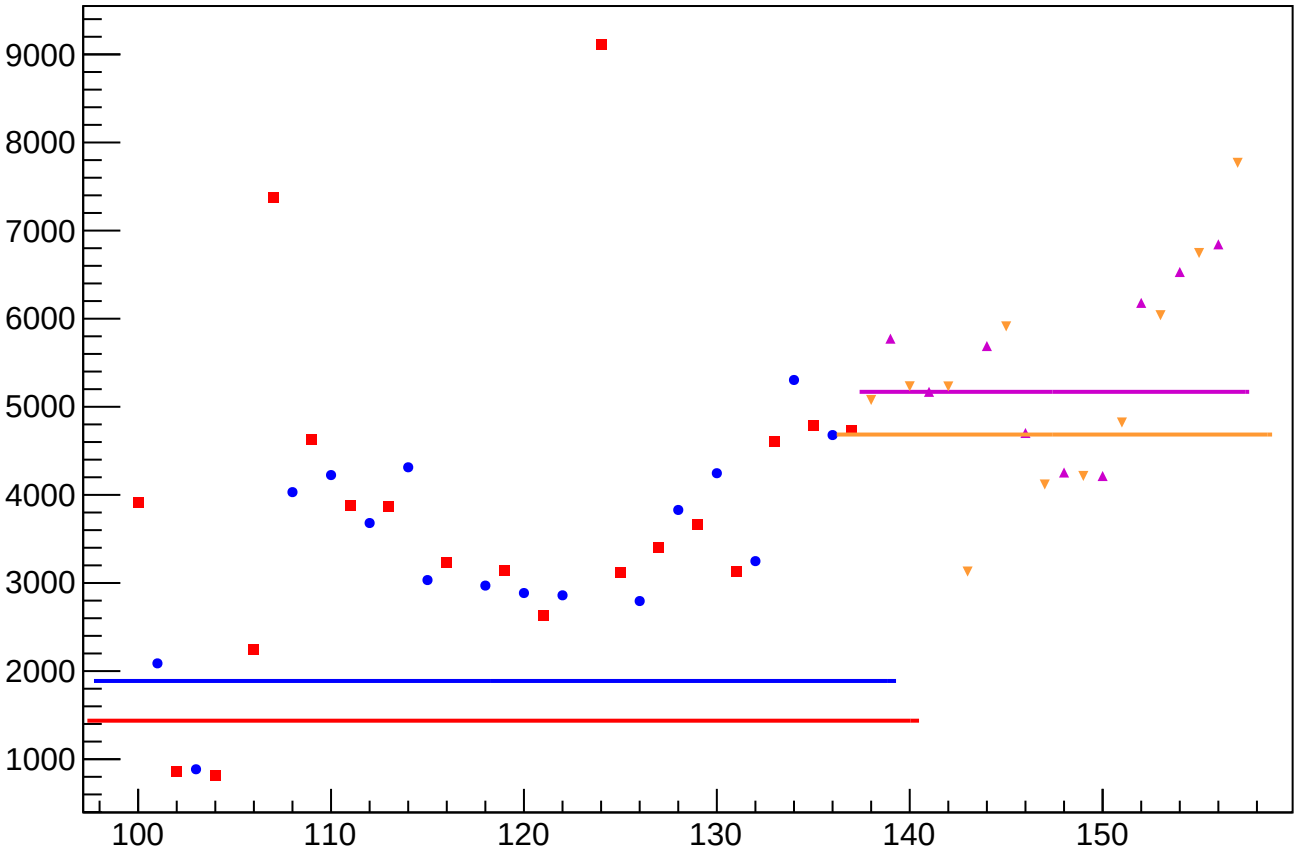
Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: -694.972+/-1878.932 χ^2/NDF:3.8/8

+ sign -235.657+/-767.889 χ^2/NDF: 30.8/26

All: -384.010+/-491.046 χ^2/NDF: 53.2/54

- sign -486.648+/-638.708 χ^2/NDF: 22.3/27



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4685.041+/-1.166 χ^2/NDF:1054173.8/10

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

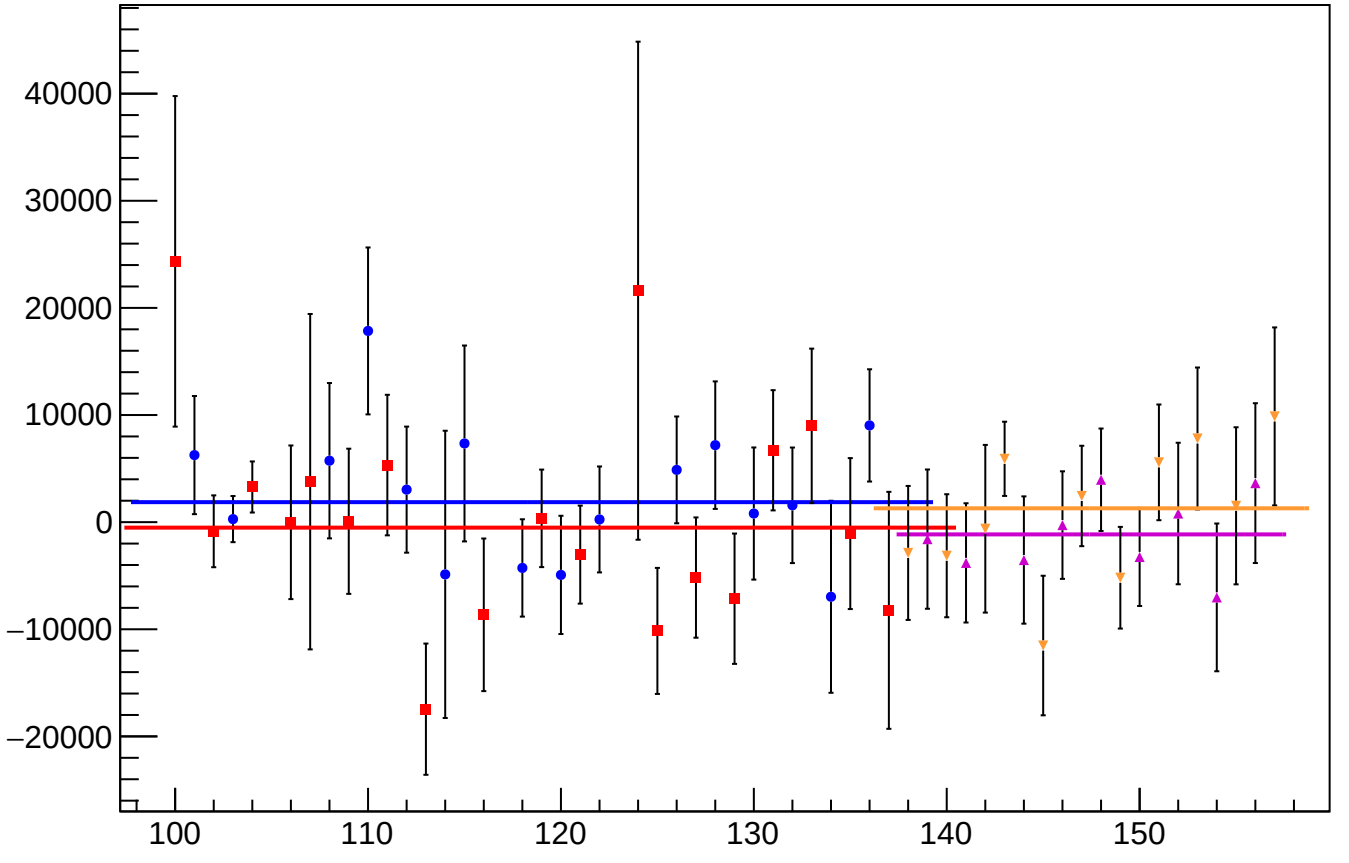
Left In: 5169.737+/-1.329 χ^2/NDF:440406.9/8

+ sign 2494.156+/-0.543 χ^2/NDF: 9984439.6/26

All: 2124.298+/-0.347 χ^2/NDF: 24154976.4/5

- sign 1868.414+/-0.452 χ^2/NDF: 13385549.1/27

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1292.399+/-1668.559 χ^2/NDF:11.3/10

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

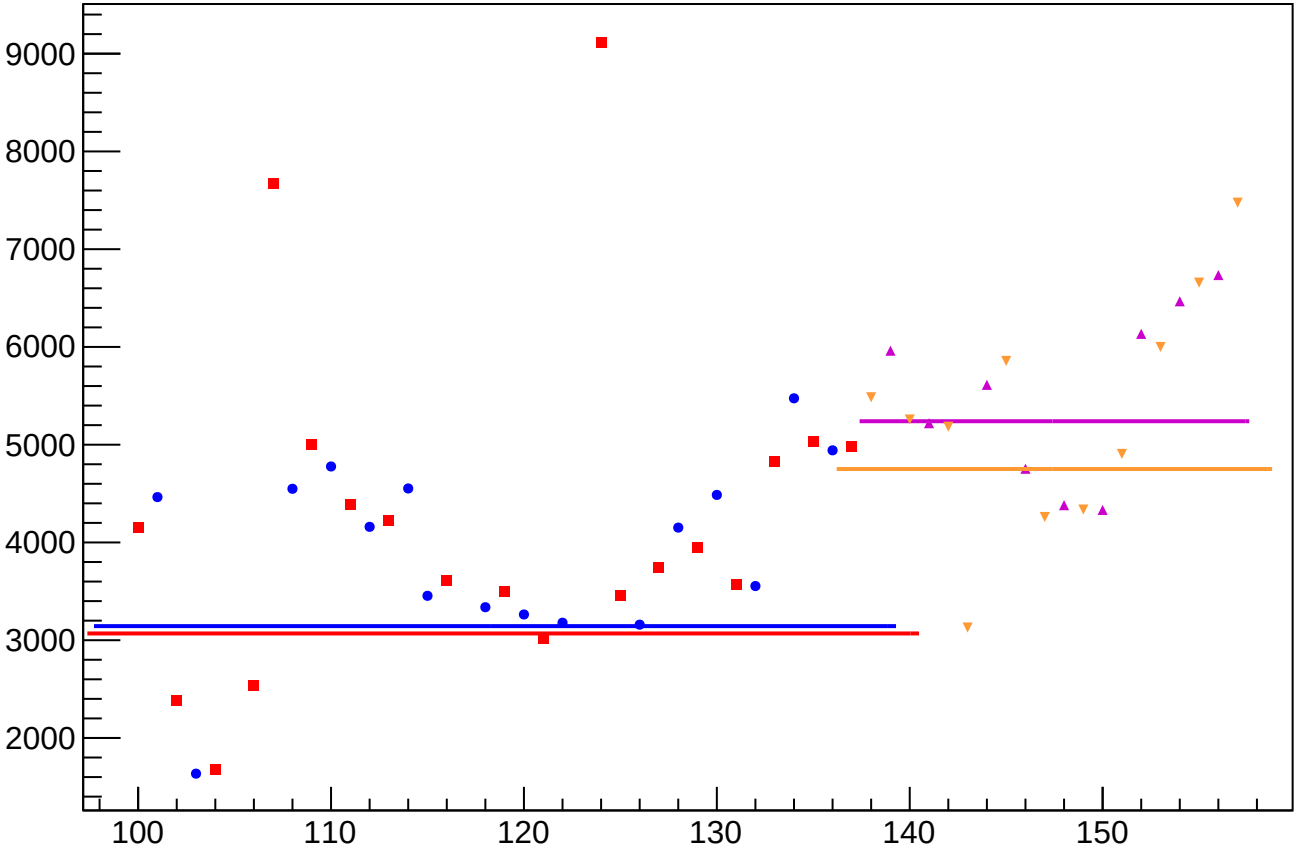
Left In: -1142.879+/-1898.920 χ^2/NDF:3.0/8

+ sign 1658.259+/-1005.099 χ^2/NDF: 25.2/26

All: 517.756+/-722.444 χ^2/NDF: 55.6/54

- sign -701.288+/-1039.131 χ^2/NDF: 27.8/27

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4751.365+/-1.180 χ^2/NDF:1005165.4/10

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

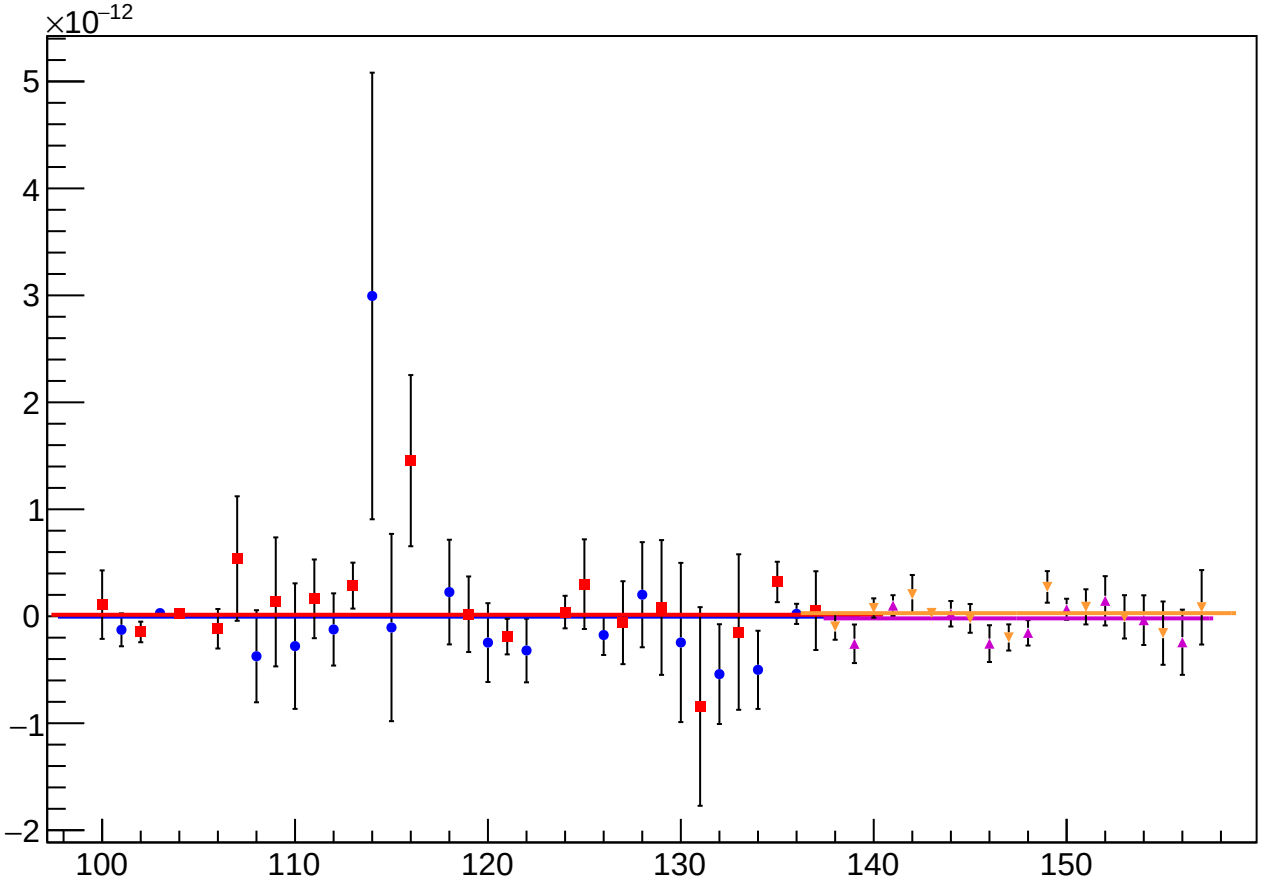
Left In: 5240.100+/-1.343 χ^2/NDF:374599.7/8

+ sign 3727.328+/-0.711 χ^2/NDF: 4070640.1/26

All: 3716.410+/-0.508 χ^2/NDF: 8175847.4/54

- sign 3704.996+/-0.727 χ^2/NDF: 4104724.5/27

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

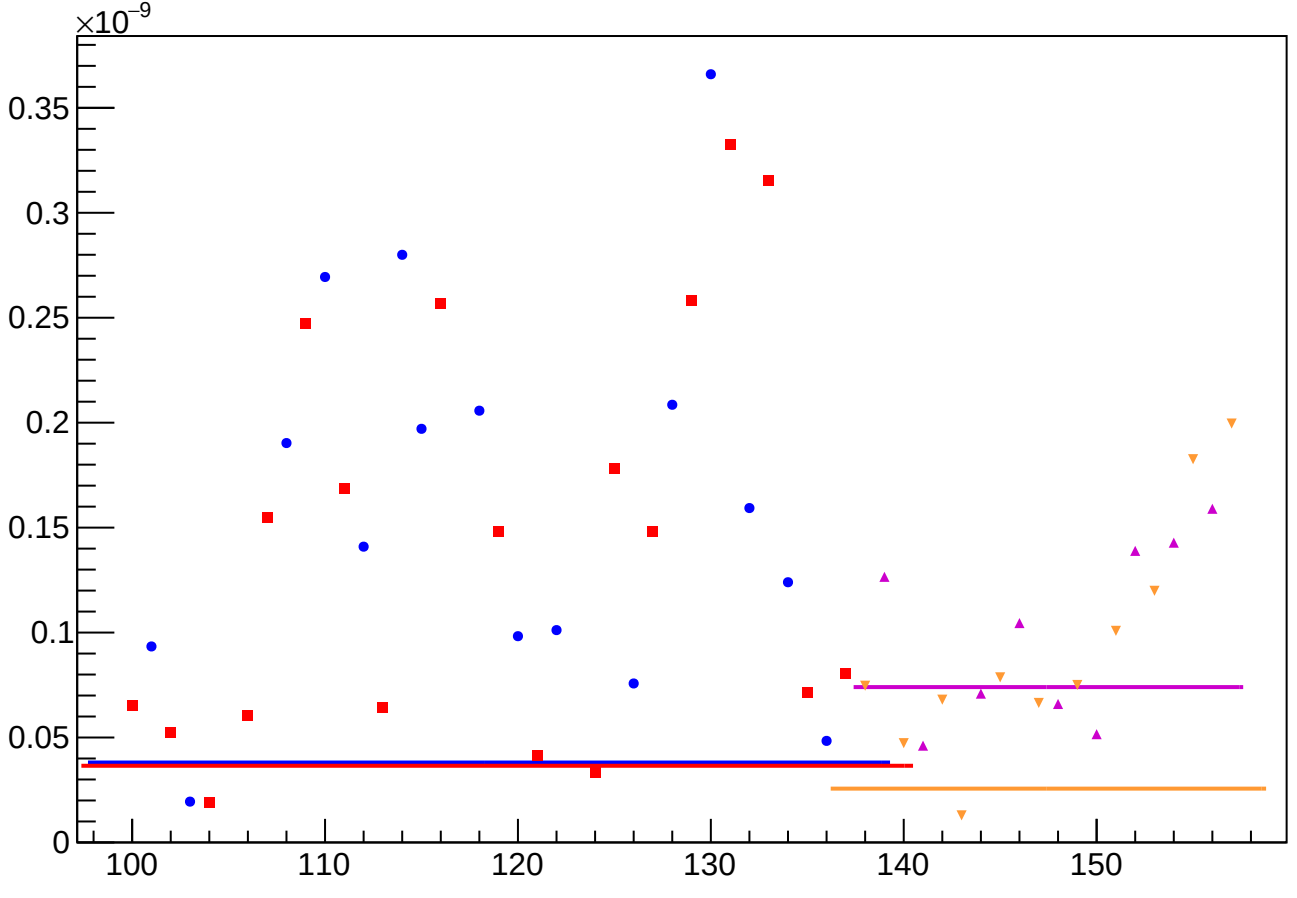
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 20.5/26

All: 0.000+/-0.000 χ^2/NDF: 44.4/54

- sign 0.000+/-0.000 χ^2/NDF: 23.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3804541.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

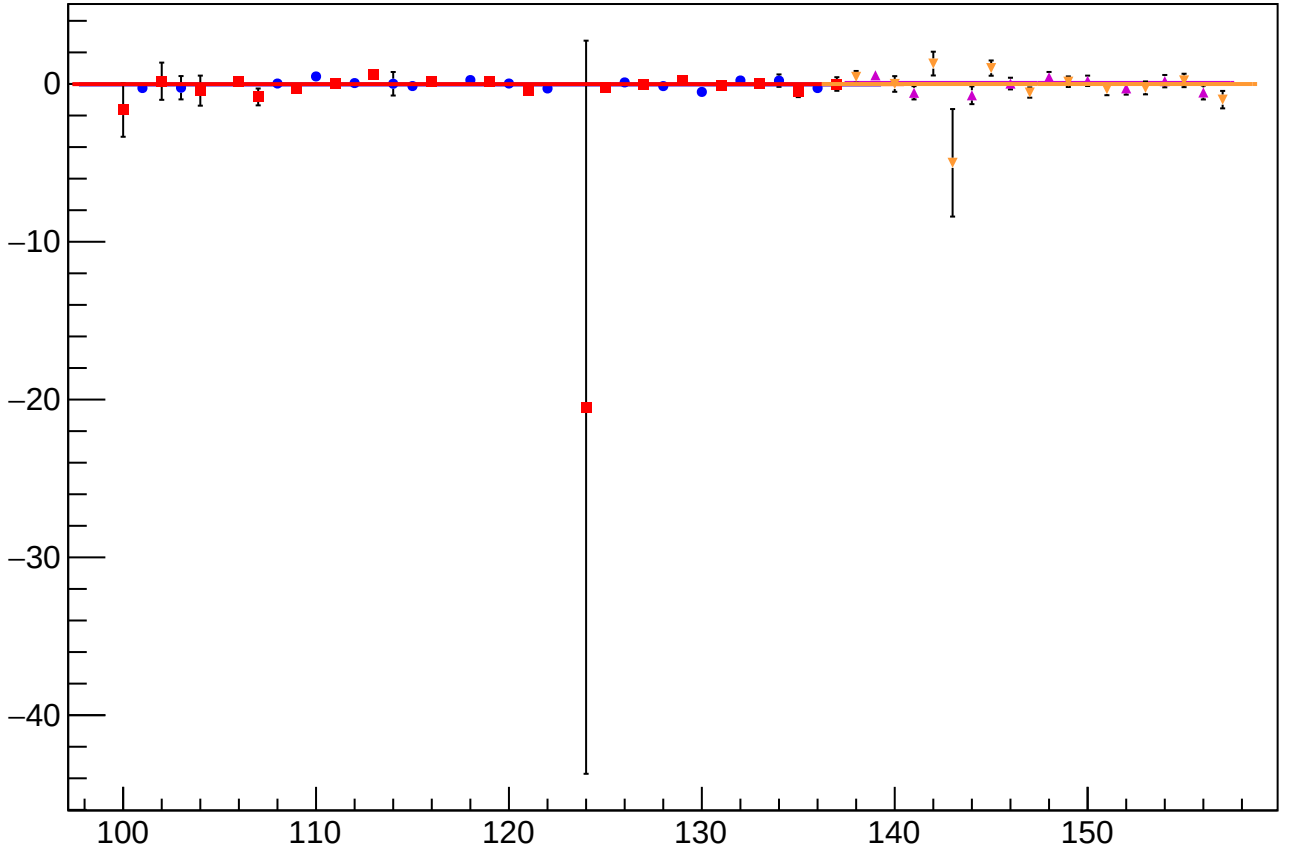
Left In: 0.000+/-0.000 χ^2/NDF:1001648.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 6887697.3/26

All: 0.000+/-0.000 χ^2/NDF: 12213228.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4558855.9/27

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

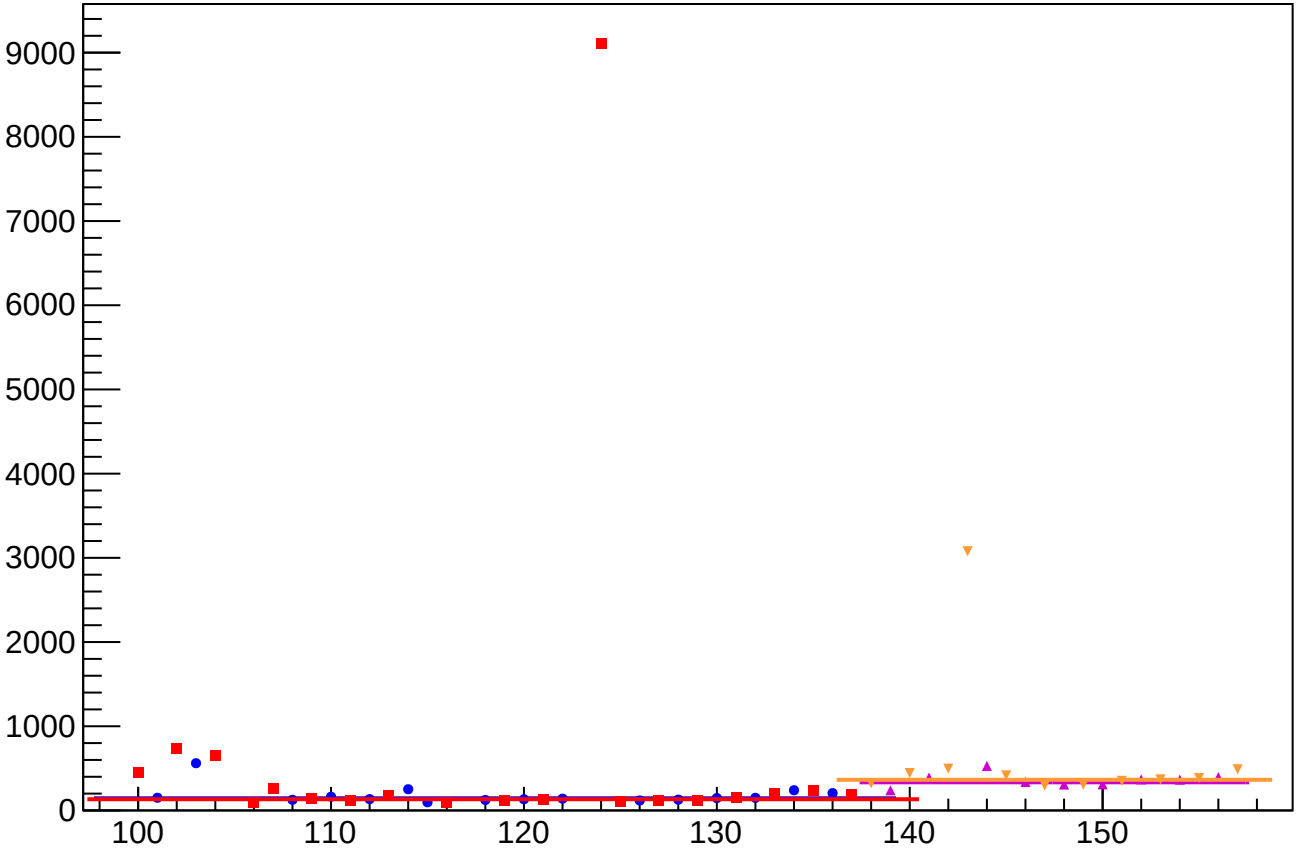
Left In: 0.065+/-0.124 χ^2/NDF:11.3/8

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.011+/-0.037 χ^2/NDF: 69.3/54

- sign 0.002+/-0.051 χ^2/NDF: 33.4/27

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 364.214+/-0.094 χ^2/NDF:1690233.9/10

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

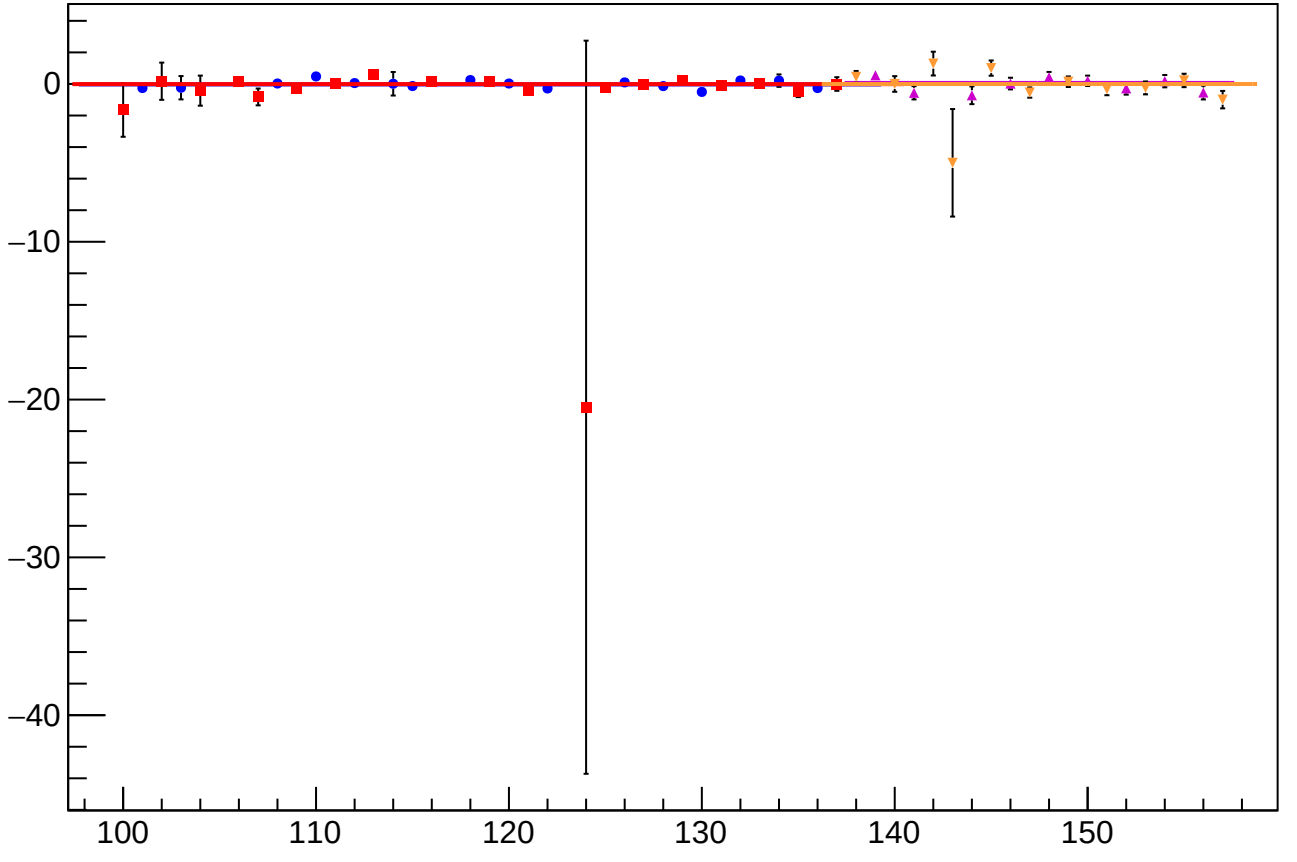
Left In: 334.170+/-0.087 χ^2/NDF:607680.7/8

+ sign 179.592+/-0.037 χ^2/NDF: 7462378.4/26

All: 173.633+/-0.026 χ^2/NDF: 14715088.6/54

- sign 168.026+/-0.036 χ^2/NDF: 7203597.9/27

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

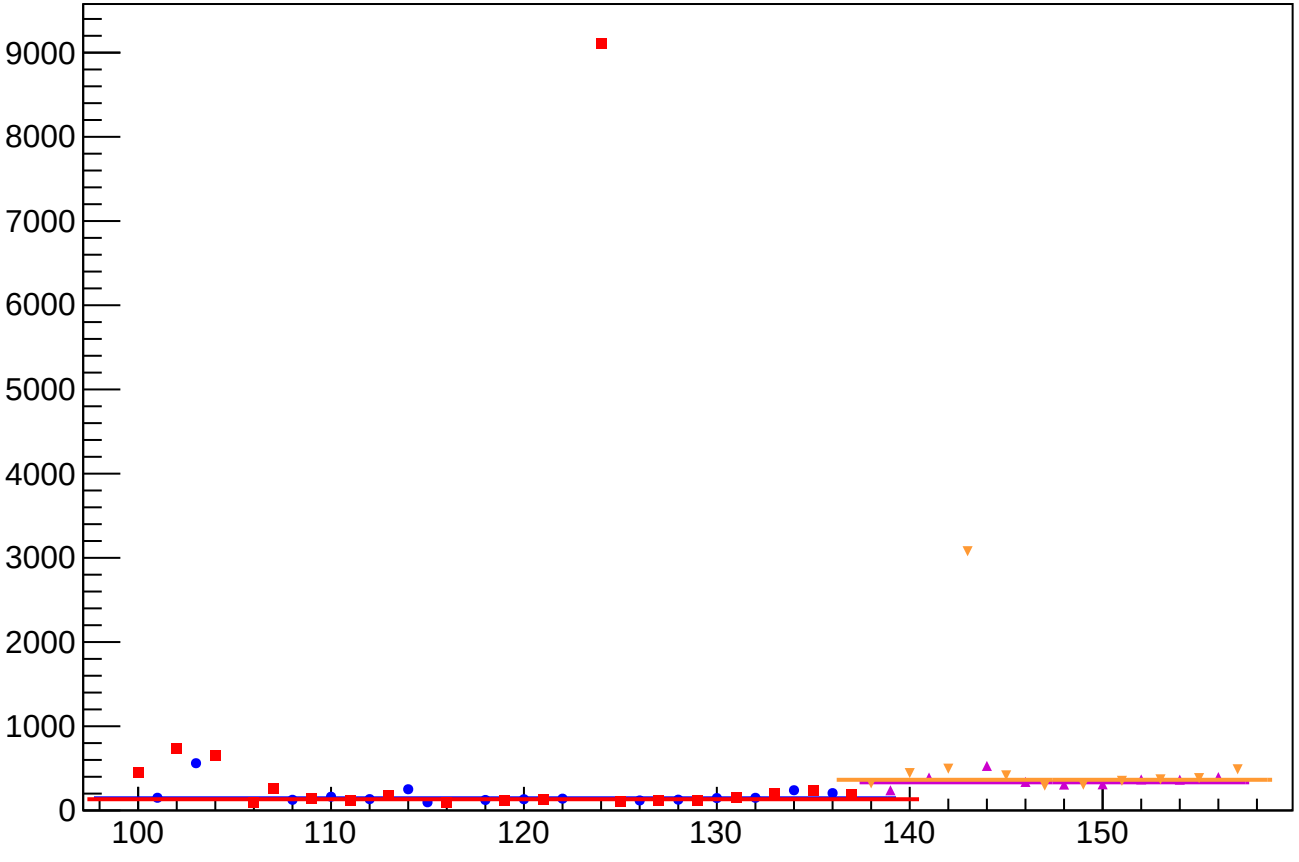
Left In: 0.065+/-0.124 χ^2/NDF:11.3/8

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.011+/-0.037 χ^2/NDF: 69.3/54

- sign 0.002+/-0.051 χ^2/NDF: 33.4/27

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 364.214+/-0.094 χ^2/NDF:1690233.9/10

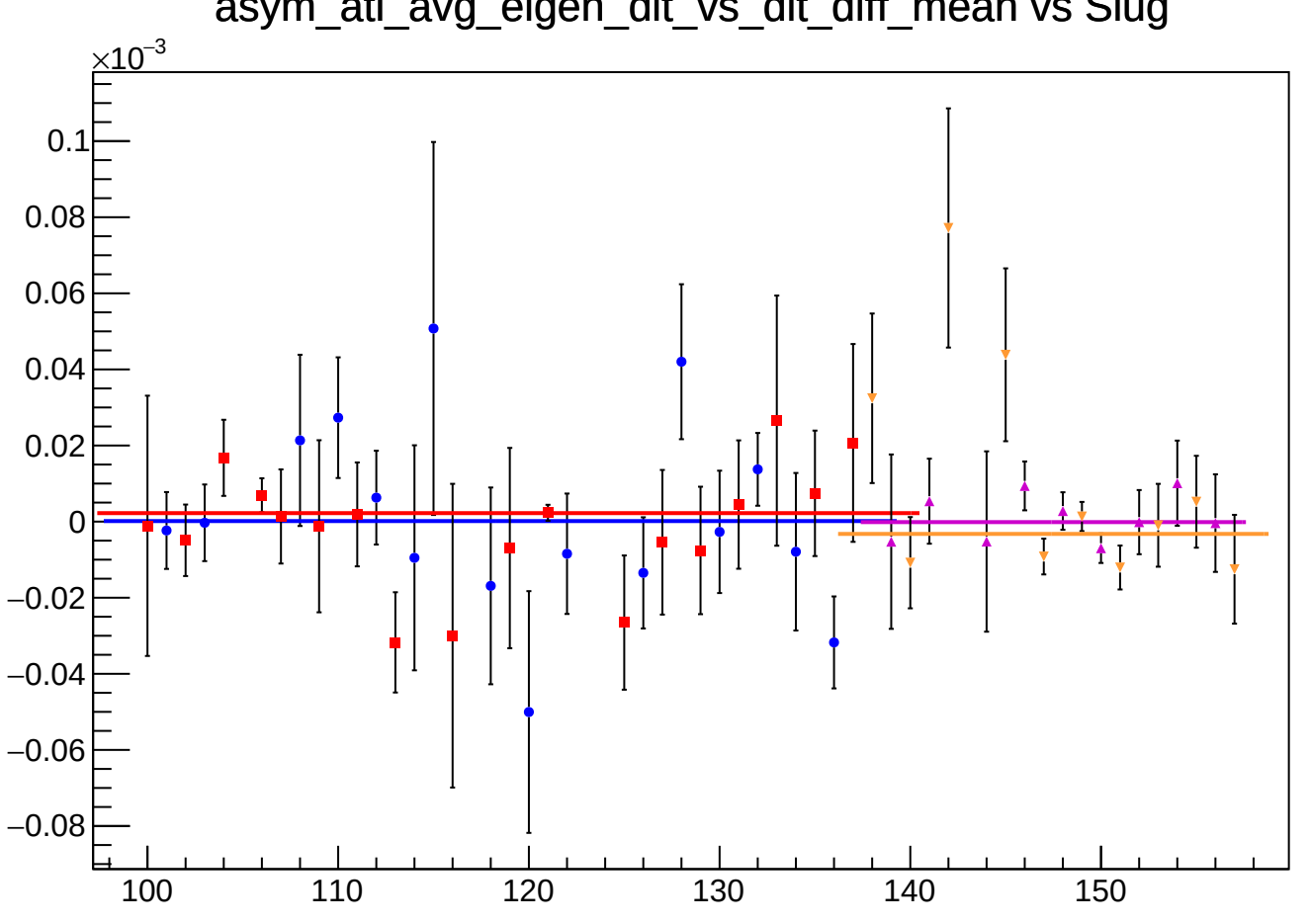
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 334.170+/-0.087 χ^2/NDF:607680.7/8

+ sign 179.592+/-0.037 χ^2/NDF: 7462378.4/26

All: 173.633+/-0.026 χ^2/NDF: 14715088.6/54

- sign 168.026+/-0.036 χ^2/NDF: 7203597.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

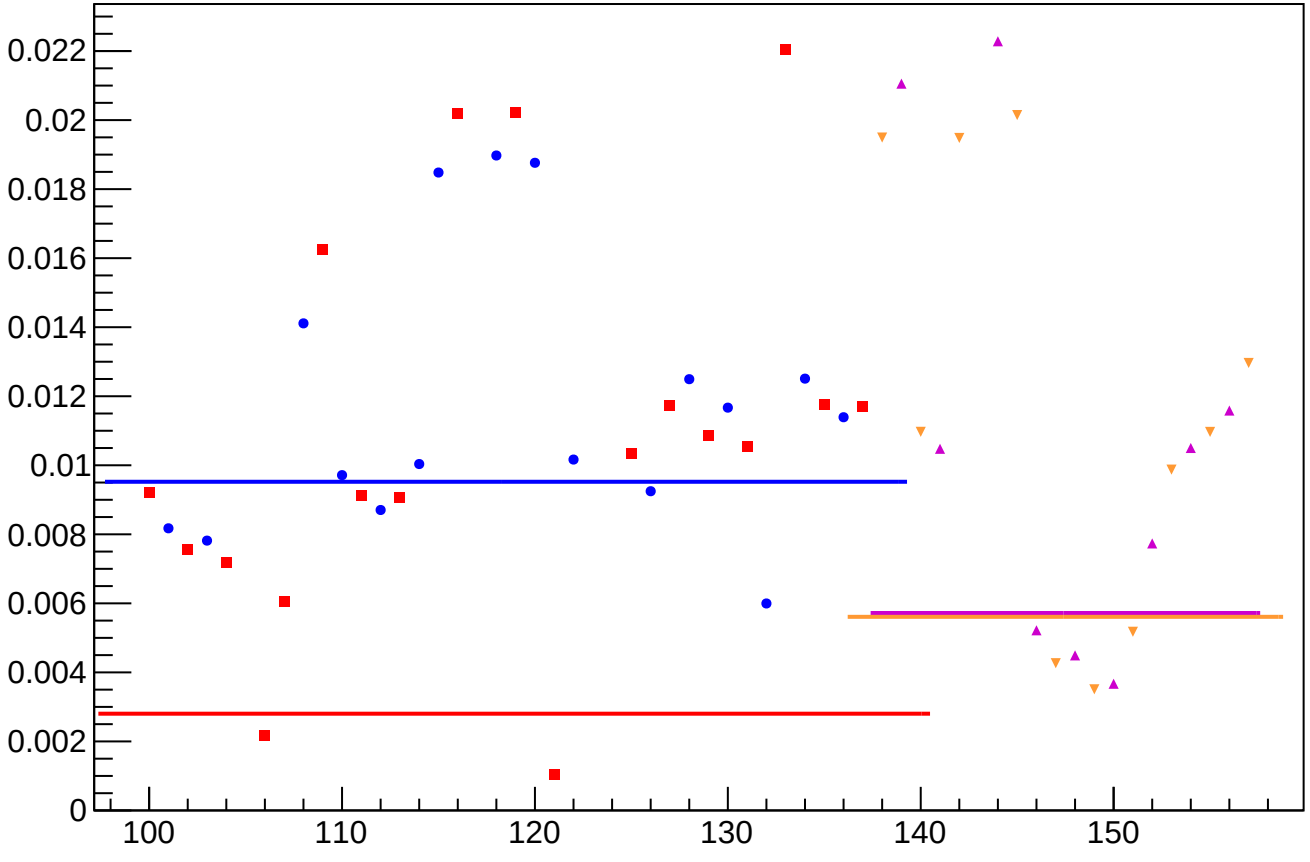
Left In: -0.000+/-0.000 χ^2/NDF:6.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/25

All: 0.000+/-0.000 χ^2/NDF: 68.8/52

- sign 0.000+/-0.000 χ^2/NDF: 23.1/26

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:4387607.7/9

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

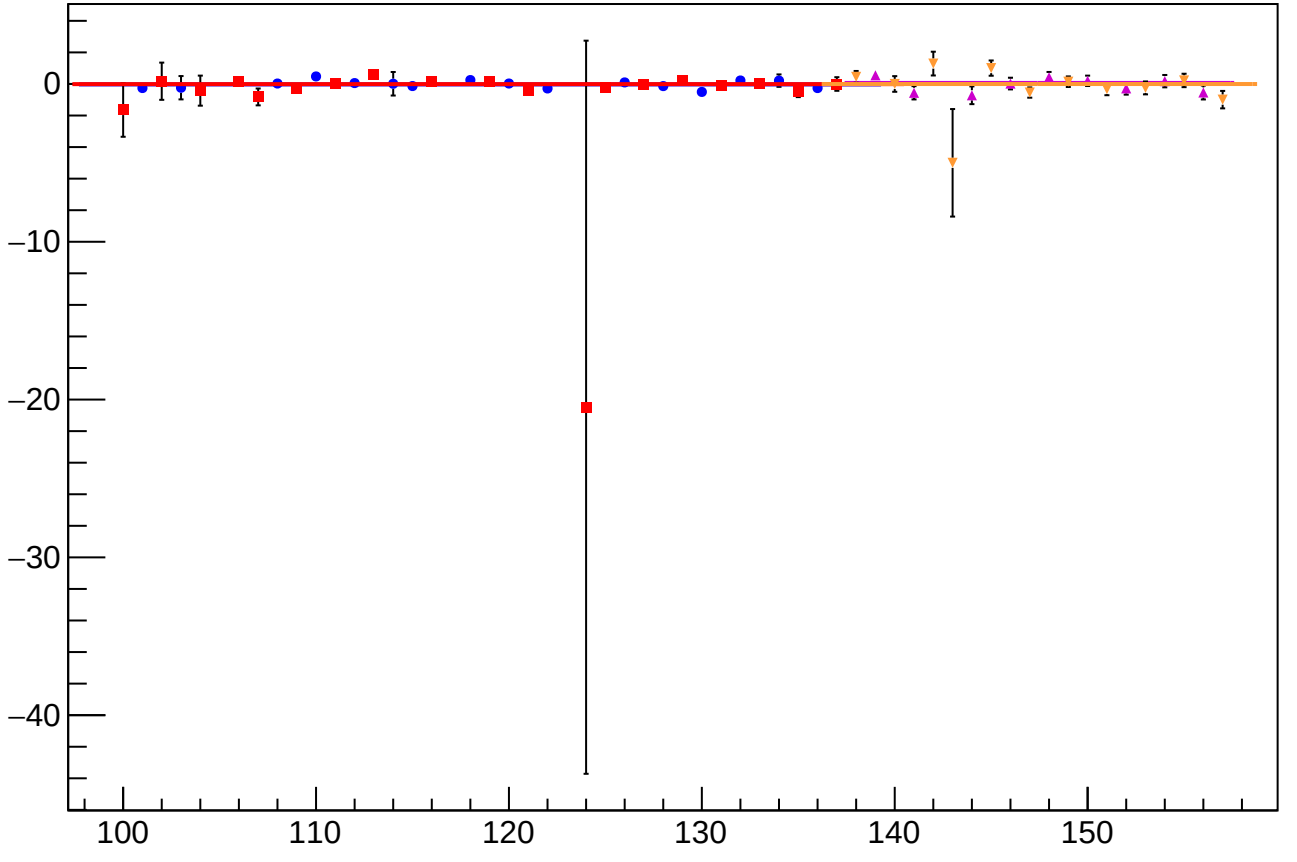
Left In: 0.006+/-0.000 χ^2/NDF:3827631.8/8

+ sign 0.007+/-0.000 χ^2/NDF: 7072540.4/25

All: 0.005+/-0.000 χ^2/NDF: 24311009.3/52

- sign 0.004+/-0.000 χ^2/NDF: 14335013.9/26

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

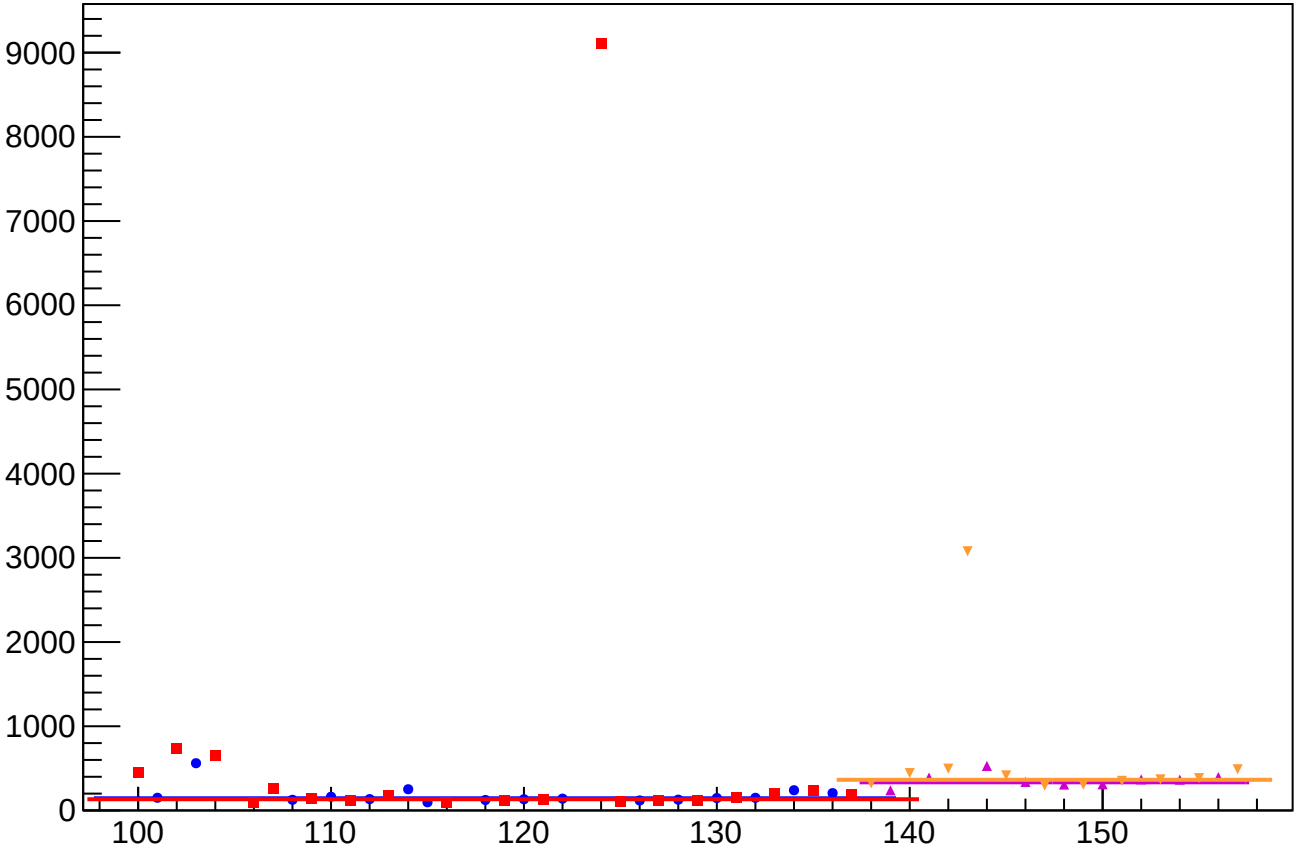
Left In: 0.065+/-0.124 χ^2/NDF:11.3/8

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.011+/-0.037 χ^2/NDF: 69.3/54

- sign 0.002+/-0.051 χ^2/NDF: 33.4/27

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 364.218+/-0.094 χ^2/NDF:1690269.3/10

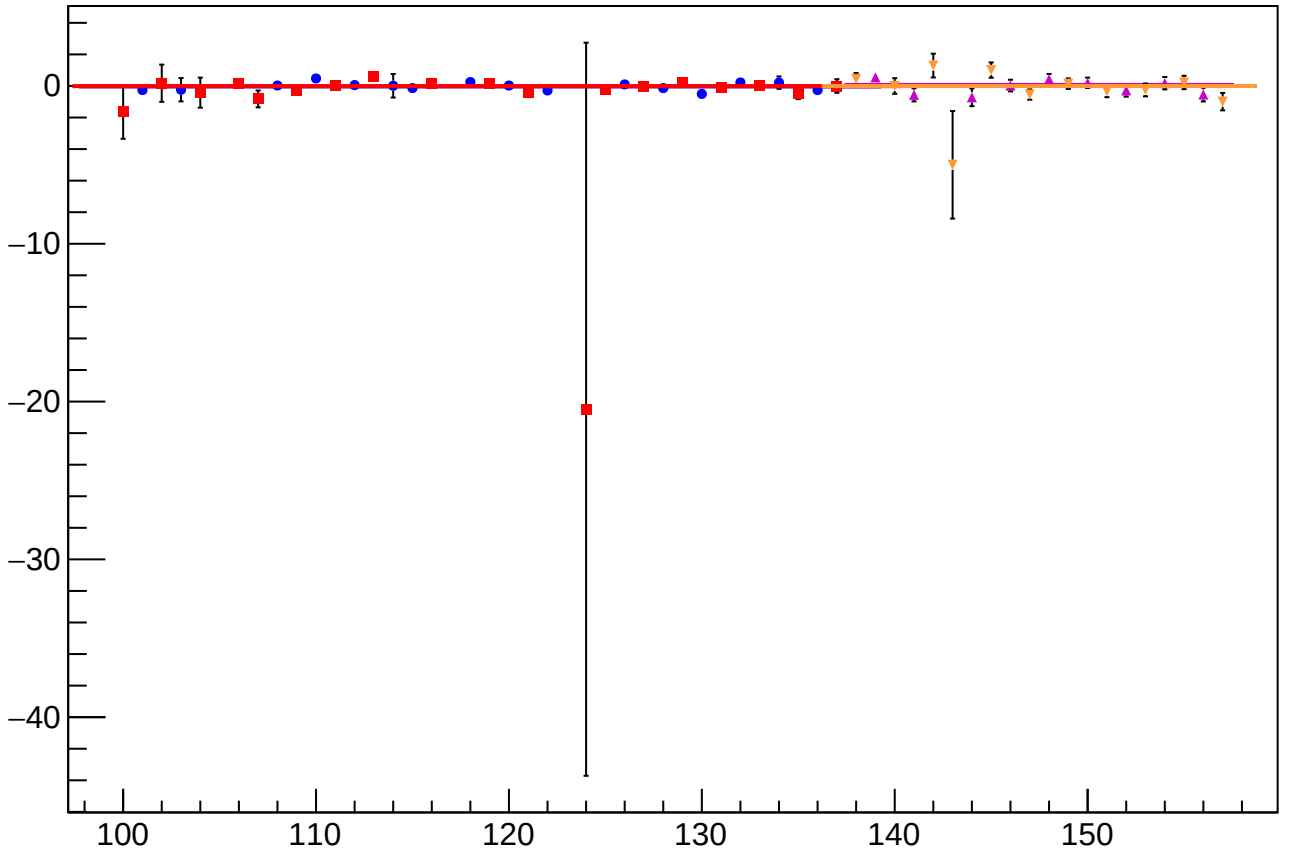
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 334.175+/-0.087 χ^2/NDF:607672.4/8

+ sign 179.591+/-0.037 χ^2/NDF: 7462588.0/26

All: 173.631+/-0.026 χ^2/NDF: 14715387.5/54

- sign 168.025+/-0.036 χ^2/NDF: 7203694.6/27



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.004+/-0.132 χ^2/NDF:18.4/10

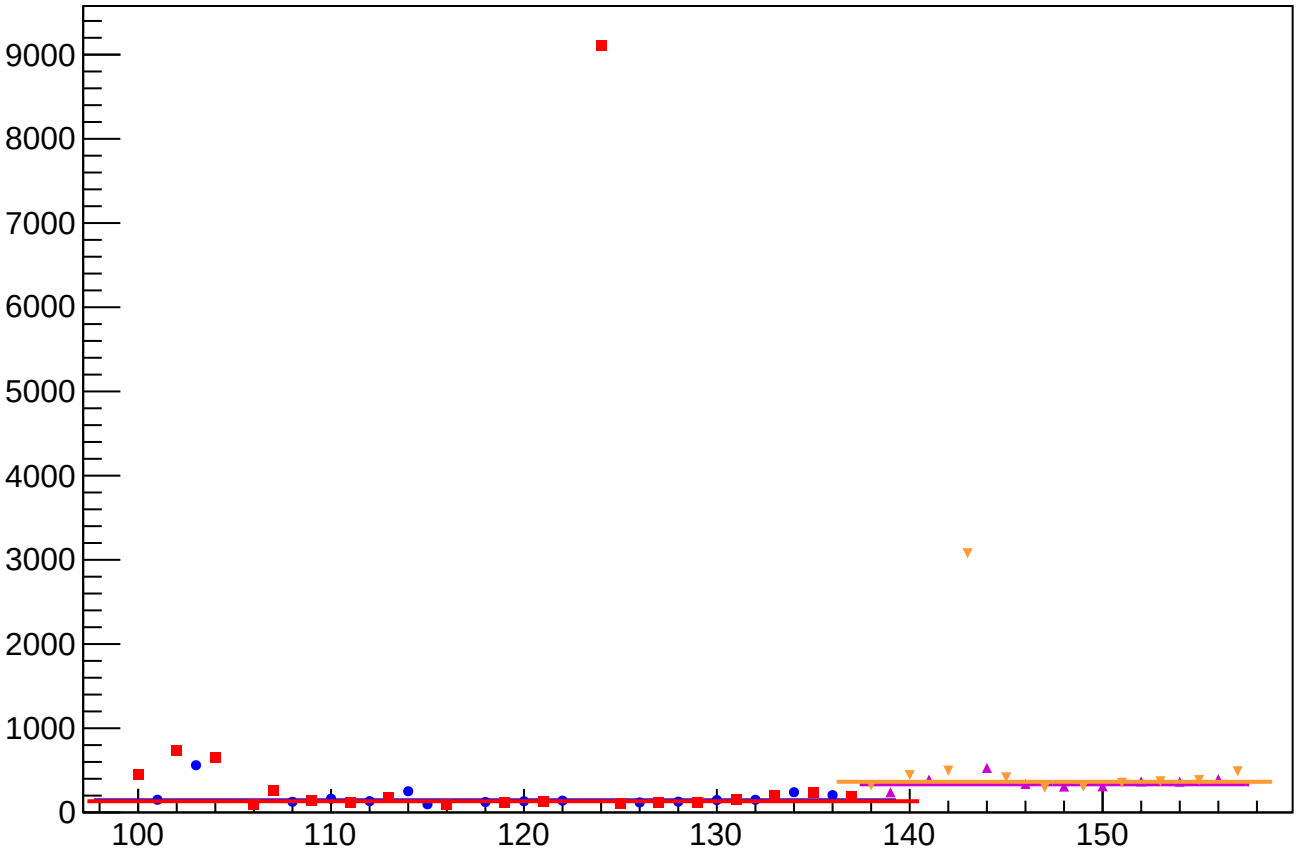
Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.065+/-0.124 χ^2/NDF:11.3/8

+ sign -0.025+/-0.053 χ^2/NDF: 35.7/26

All: -0.011+/-0.037 χ^2/NDF: 69.3/54

- sign 0.002+/-0.051 χ^2/NDF: 33.4/27



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 364.218+/-0.094 χ^2/NDF:1690269.3/10

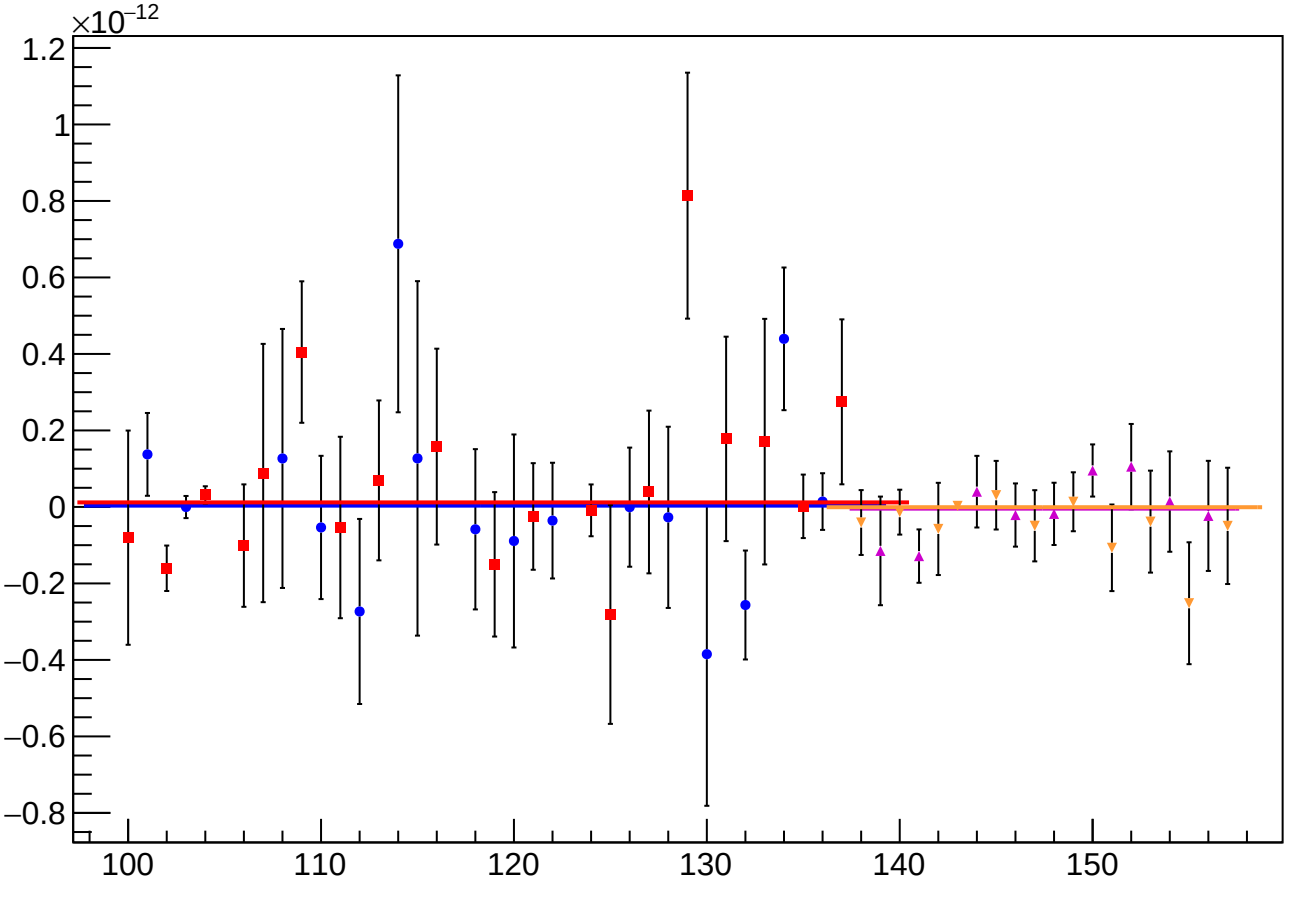
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 334.175+/-0.087 χ^2/NDF:607672.4/8

+ sign 179.591+/-0.037 χ^2/NDF: 7462588.0/26

All: 173.631+/-0.026 χ^2/NDF: 14715387.5/54

- sign 168.025+/-0.036 χ^2/NDF: 7203694.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

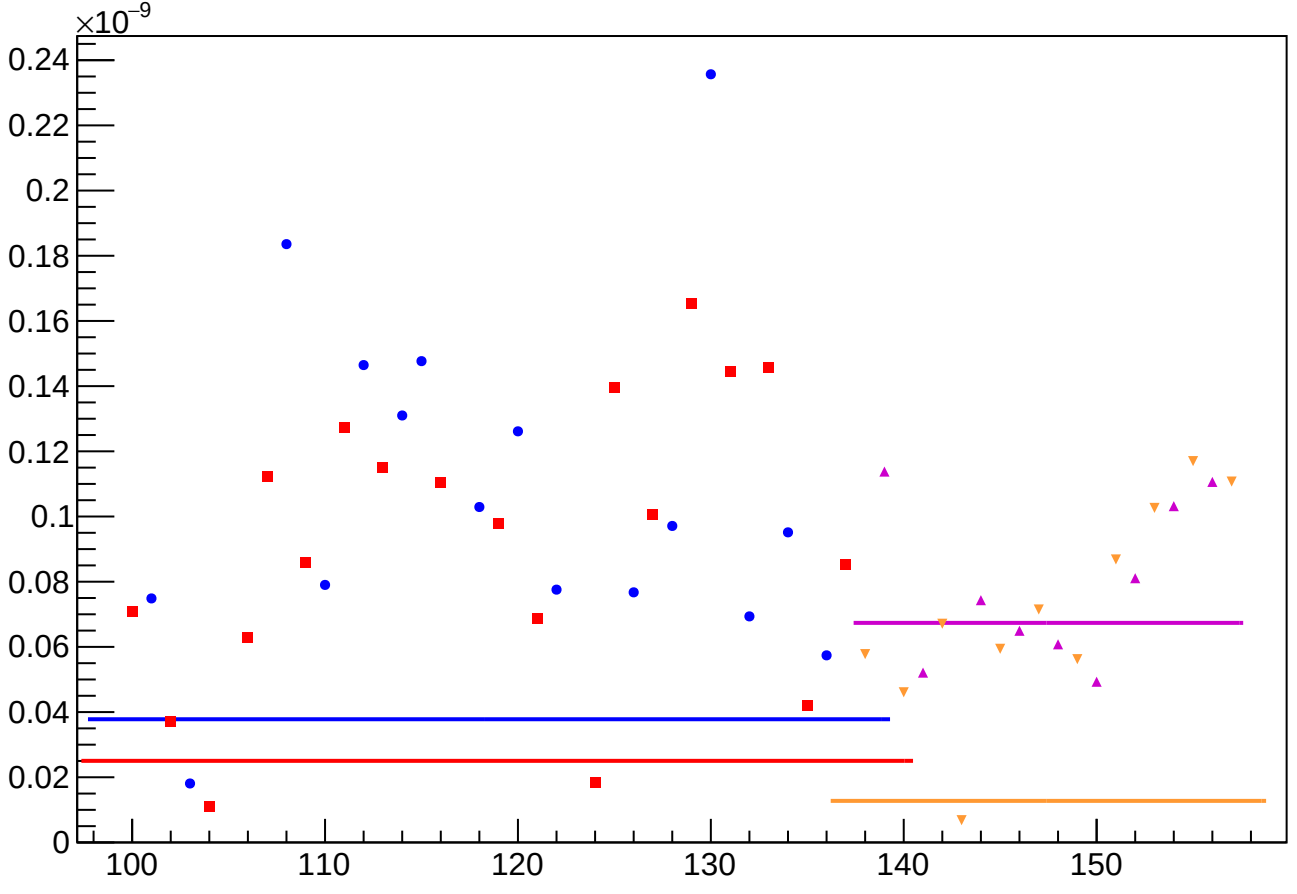
Left In: -0.000+/-0.000 χ^2/NDF:7.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 20.2/26

All: 0.000+/-0.000 χ^2/NDF: 52.9/54

- sign 0.000+/-0.000 χ^2/NDF: 32.5/27

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:7736854.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

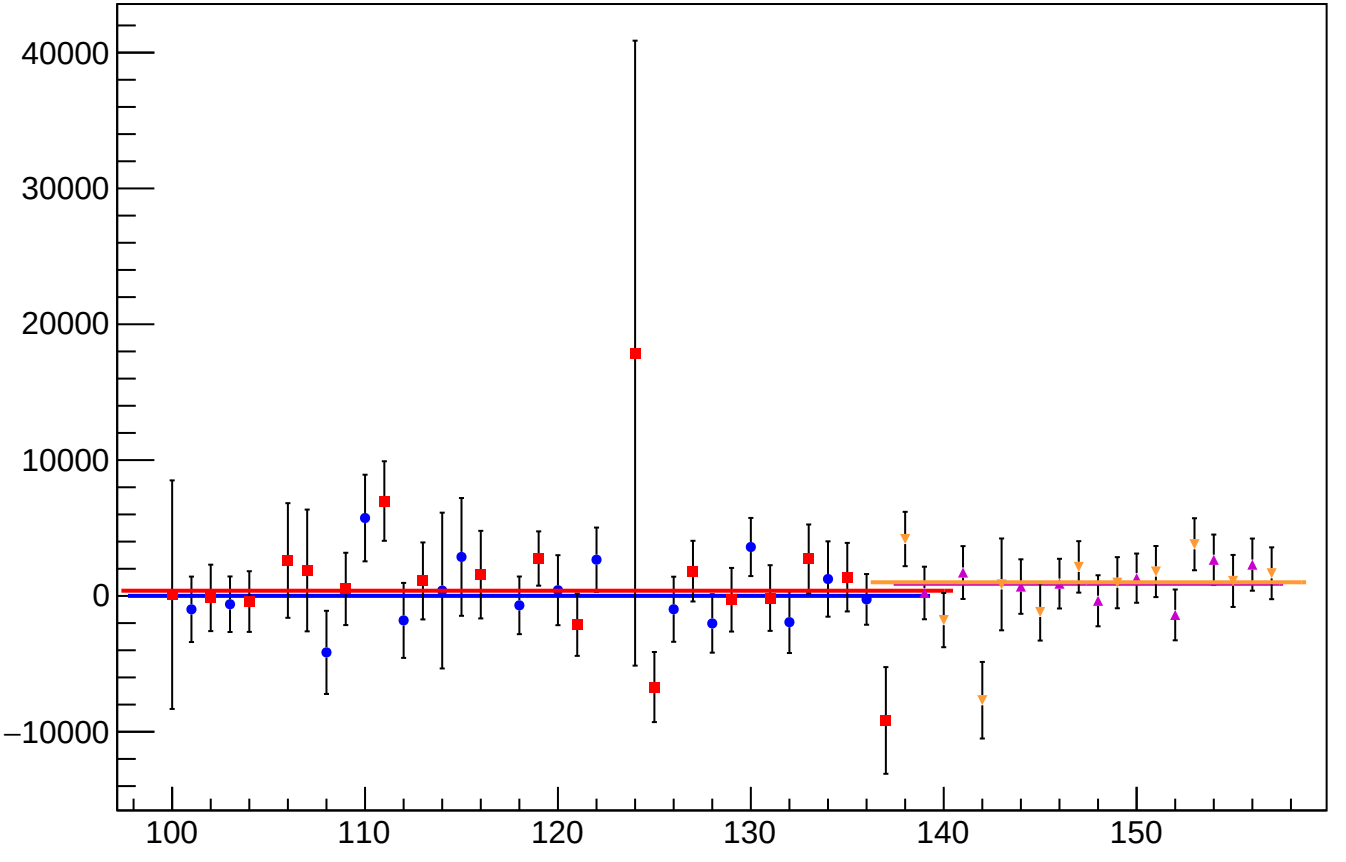
Left In: 0.000+/-0.000 χ^2/NDF:835028.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 13571964.5/26

All: 0.000+/-0.000 χ^2/NDF: 24390349.1/54

- sign 0.000+/-0.000 χ^2/NDF: 8335905.6/27

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.524+/-619.827 χ^2/NDF:17.8/10

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

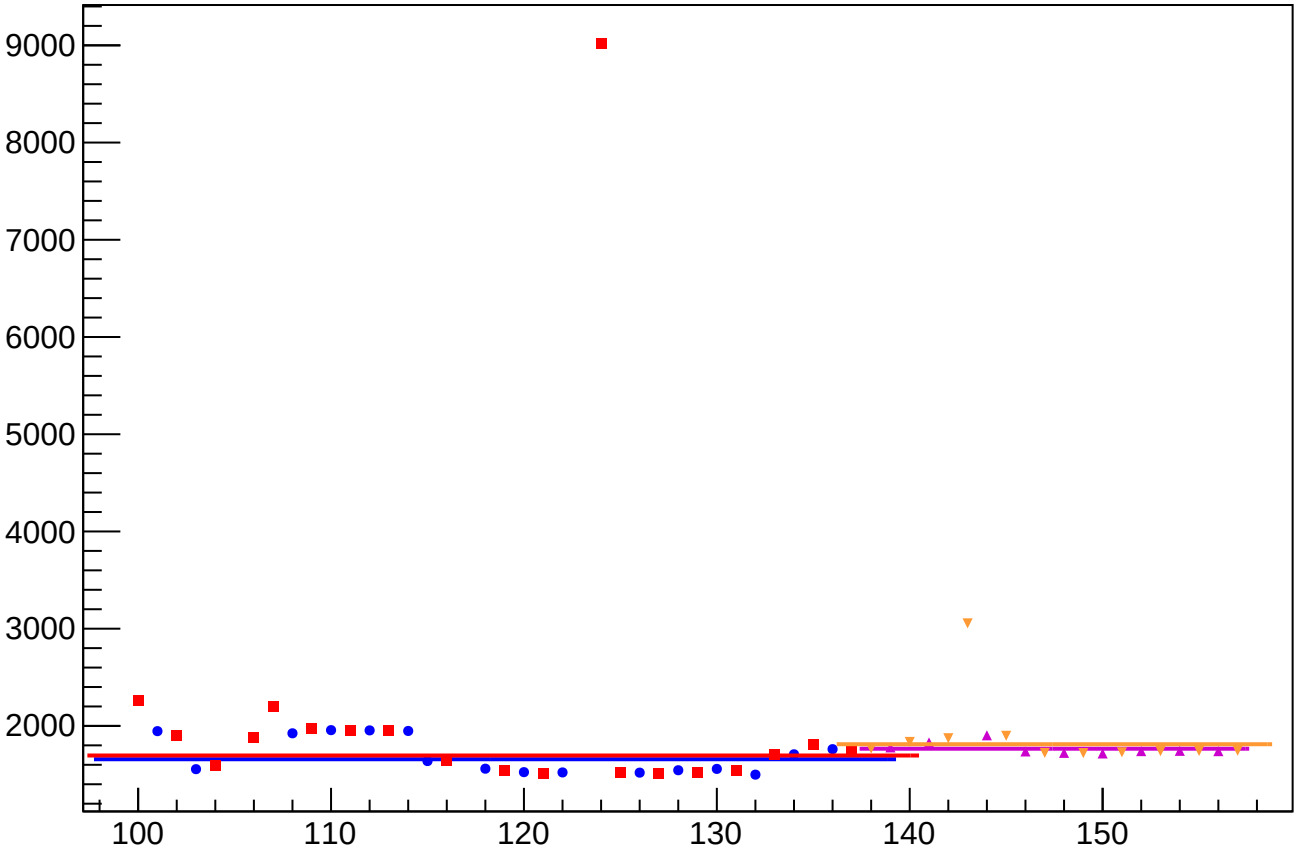
Left In: 894.438+/-630.745 χ^2/NDF:3.8/8

+ sign 505.512+/-438.312 χ^2/NDF: 31.6/26

All: 571.813+/-312.973 χ^2/NDF: 59.8/54

- sign 640.782+/-447.039 χ^2/NDF: 28.1/27

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

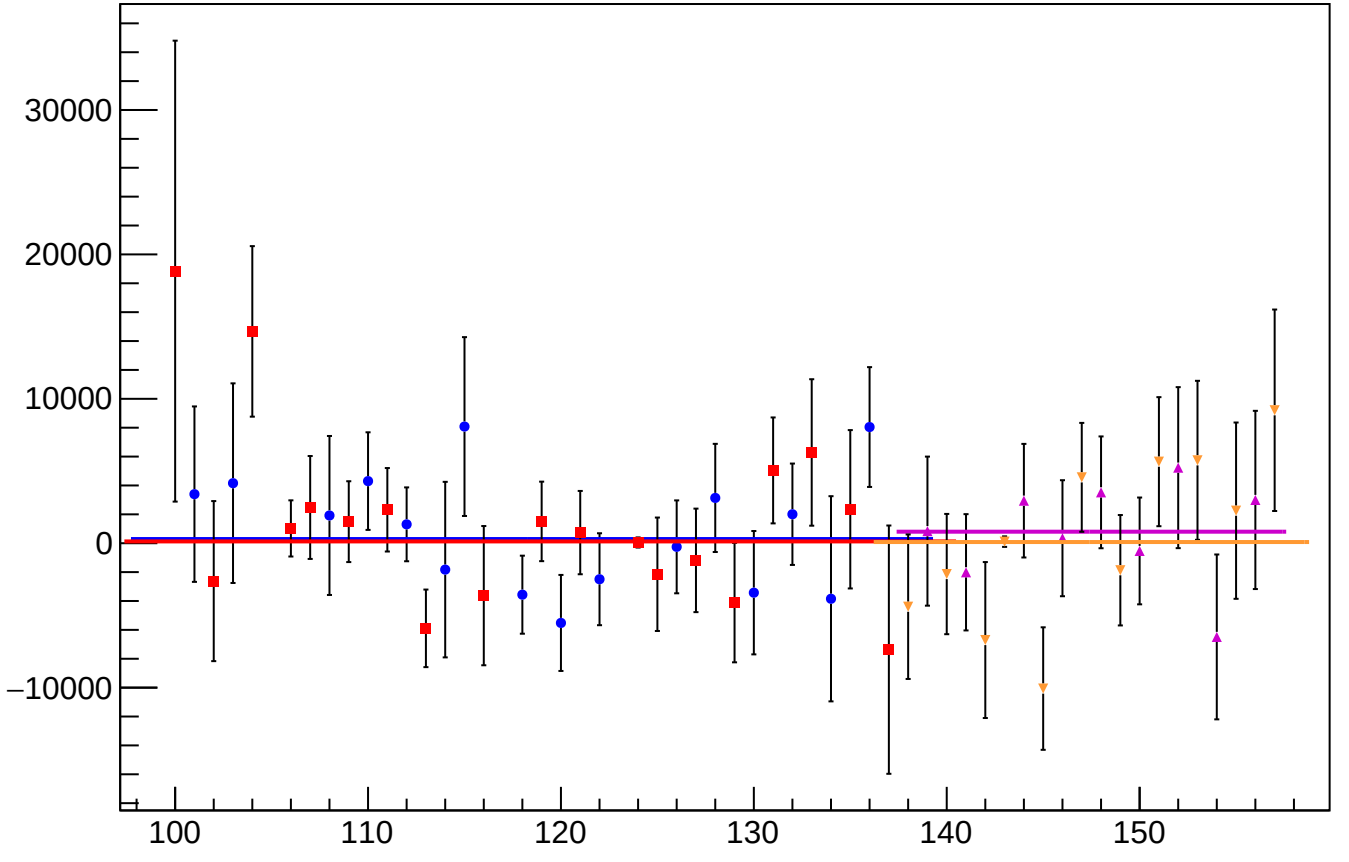
Left In: 1765.394+/-0.446 χ^2/NDF:15651.5/8

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.5/26

All: 1732.496+/-0.221 χ^2/NDF: 916986.8/54

- sign 1730.523+/-0.315 χ^2/NDF: 414094.4/27

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 82.699+/-353.577 χ^2/NDF:14.5/10

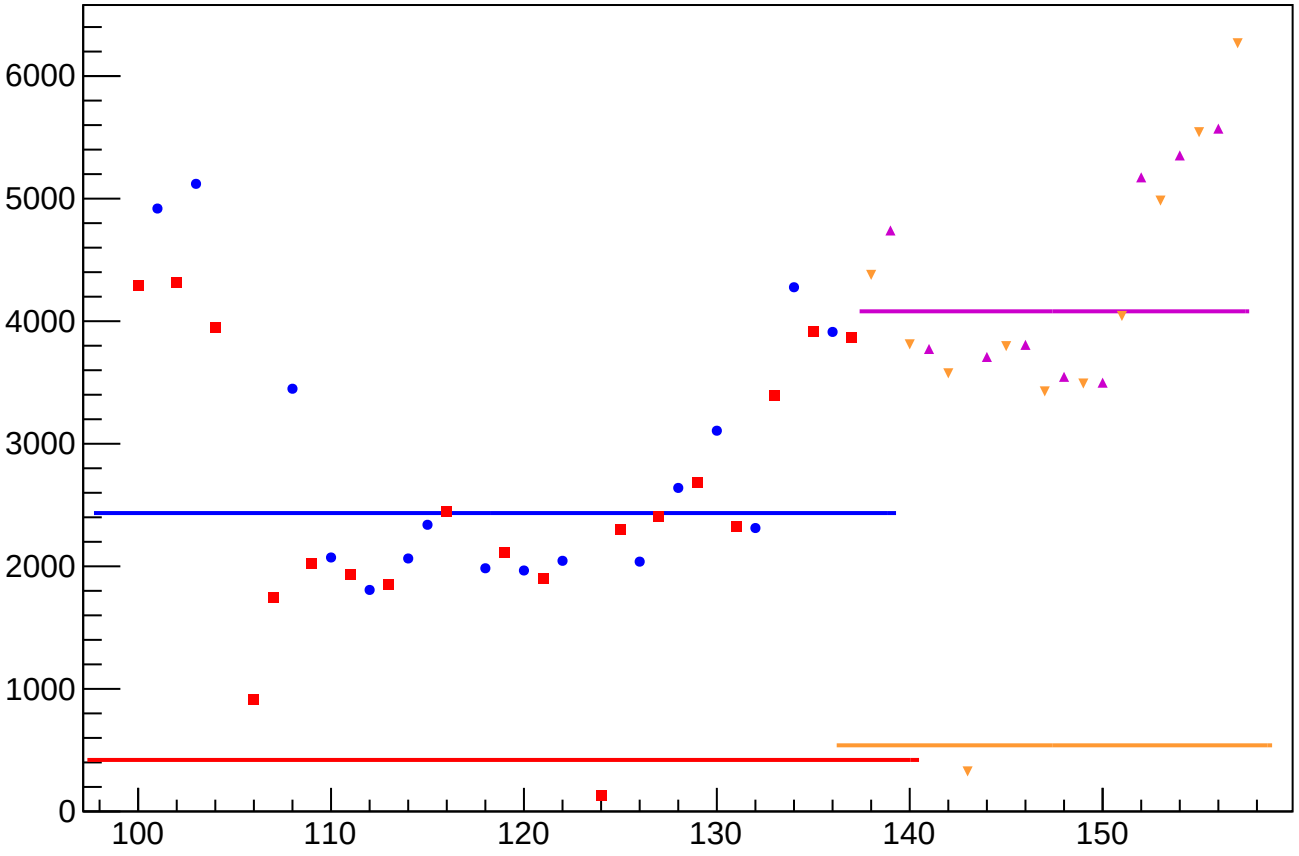
Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: 798.738+/-1482.753 χ^2/NDF:3.8/8

\+ sign 107.324+/-331.832 χ^2/NDF: 29.8/26

All: 132.941+/-228.939 χ^2/NDF: 54.6/54

\- sign 156.211+/-316.265 χ^2/NDF: 24.8/27



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 539.578+/-0.250 χ^2/NDF:12496683.1/10

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

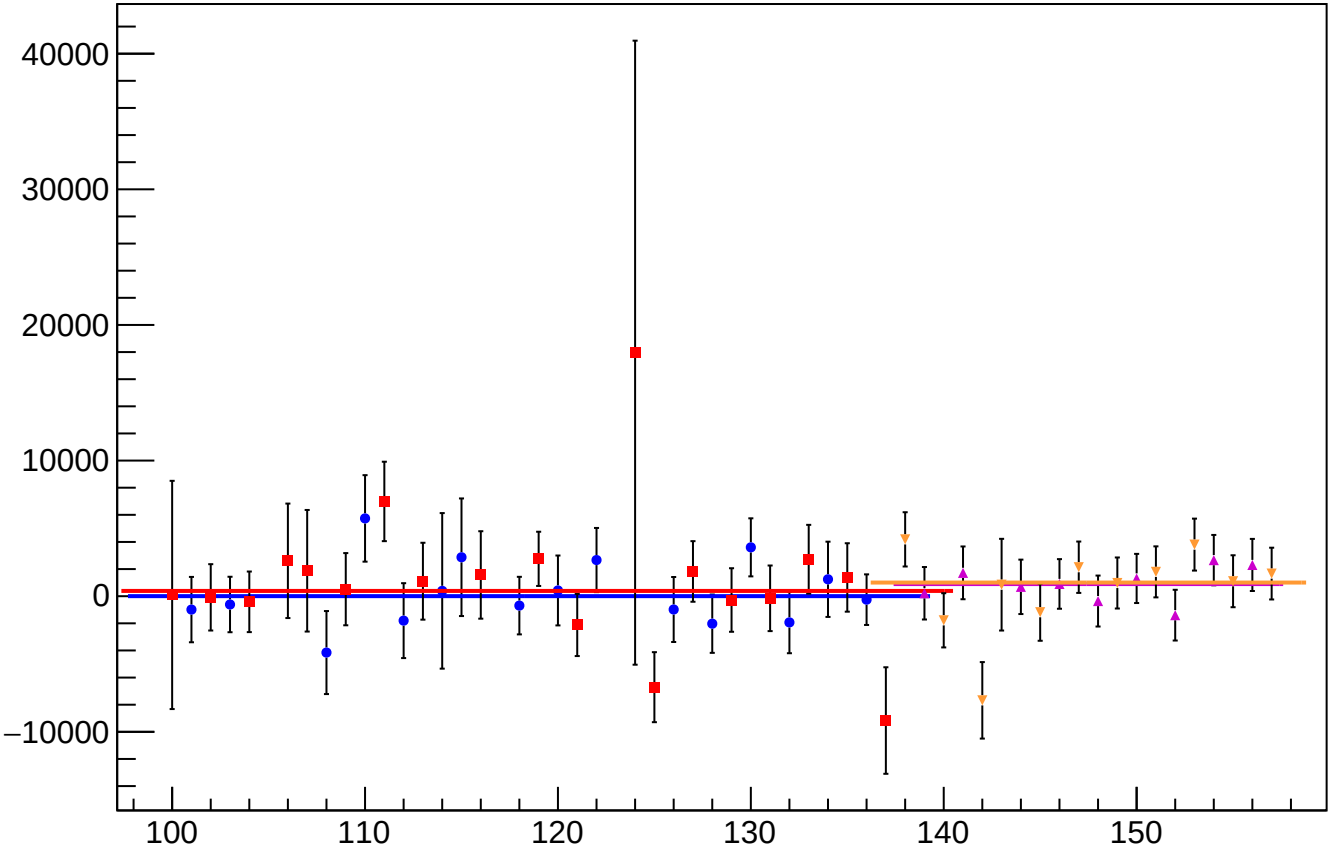
Left In: 4080.553+/-1.048 χ^2/NDF:452115.3/8

+ sign 765.490+/-0.235 χ^2/NDF: 20803214.0/26

All: 671.864+/-0.162 χ^2/NDF: 44256229.0/54

- sign 586.816+/-0.224 χ^2/NDF: 23149171.6/27

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

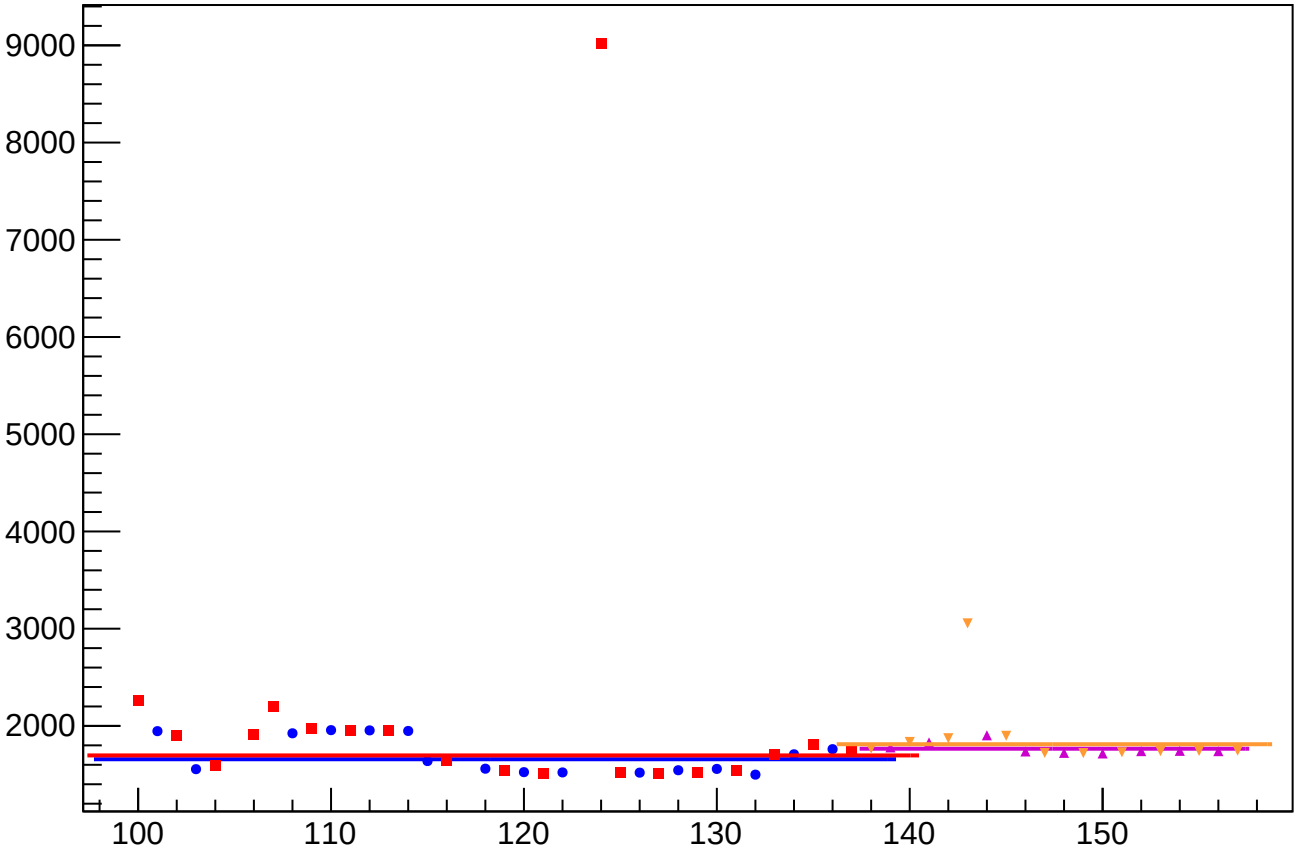
Left In: 894.426+/-630.746 χ^2/NDF:3.8/8

+ sign 505.392+/-438.312 χ^2/NDF: 31.6/26

All: 572.798+/-312.974 χ^2/NDF: 59.7/54

- sign 642.916+/-447.041 χ^2/NDF: 28.1/27

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

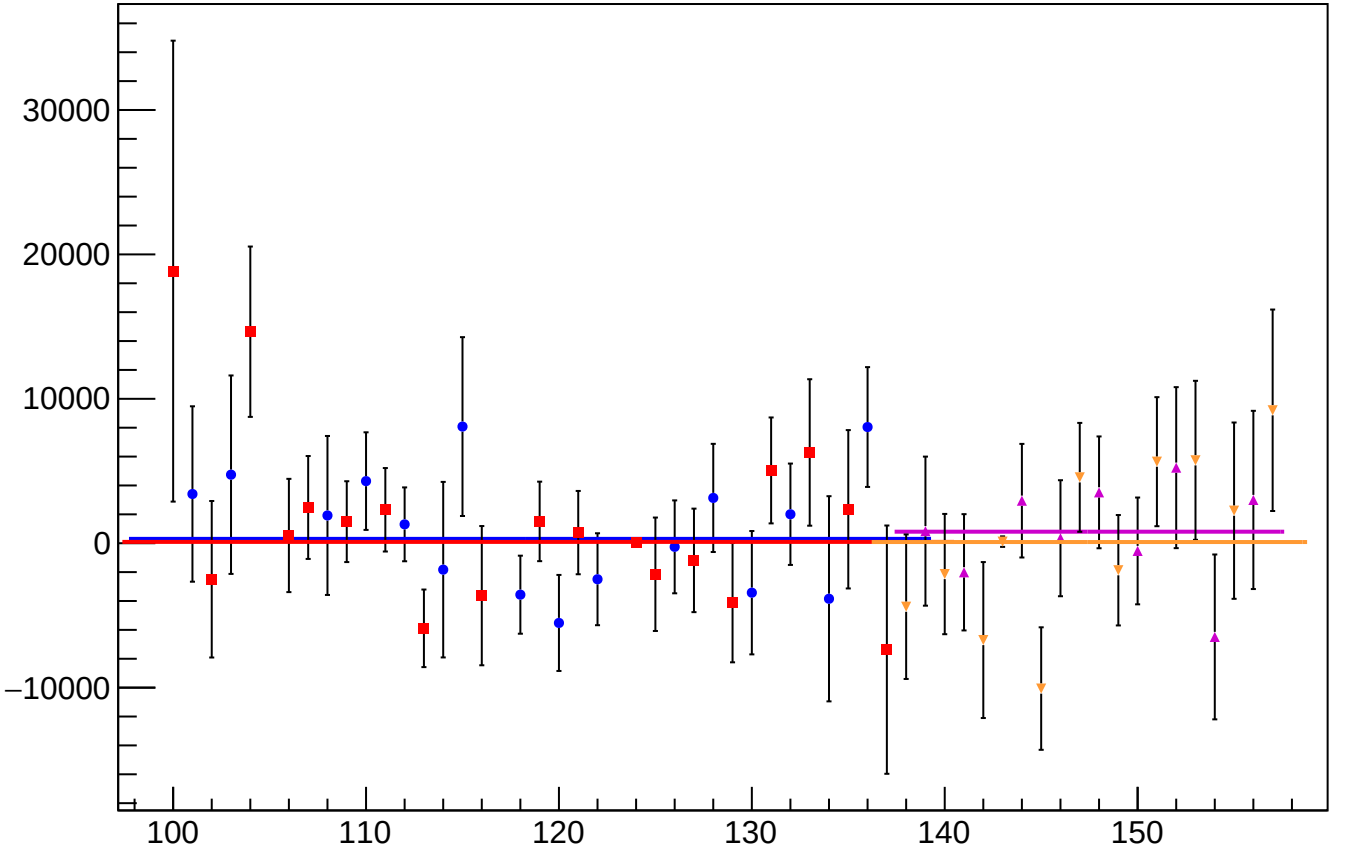
Left In: 1765.394+/-0.446 χ^2/NDF:15651.5/8

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.7/26

All: 1732.699+/-0.221 χ^2/NDF: 918447.3/54

- sign 1730.936+/-0.315 χ^2/NDF: 415570.3/27

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 83.143+/-353.550 χ^2/NDF:14.5/10

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

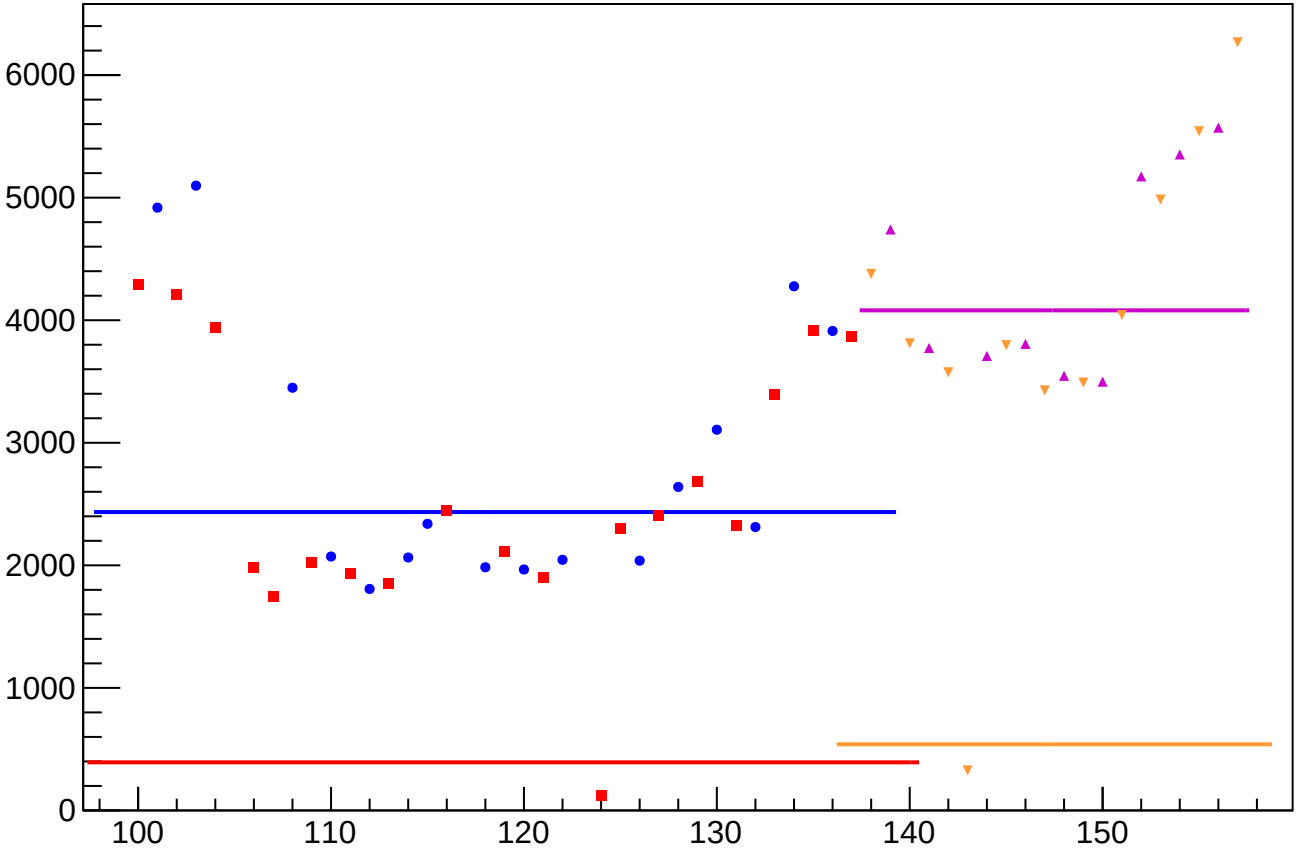
Left In: 798.791+/-1482.751 χ^2/NDF:3.8/8

+ sign 109.216+/-331.806 χ^2/NDF: 29.9/26

All: 116.545+/-226.063 χ^2/NDF: 54.5/54

- sign 122.894+/-308.832 χ^2/NDF: 24.7/27

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

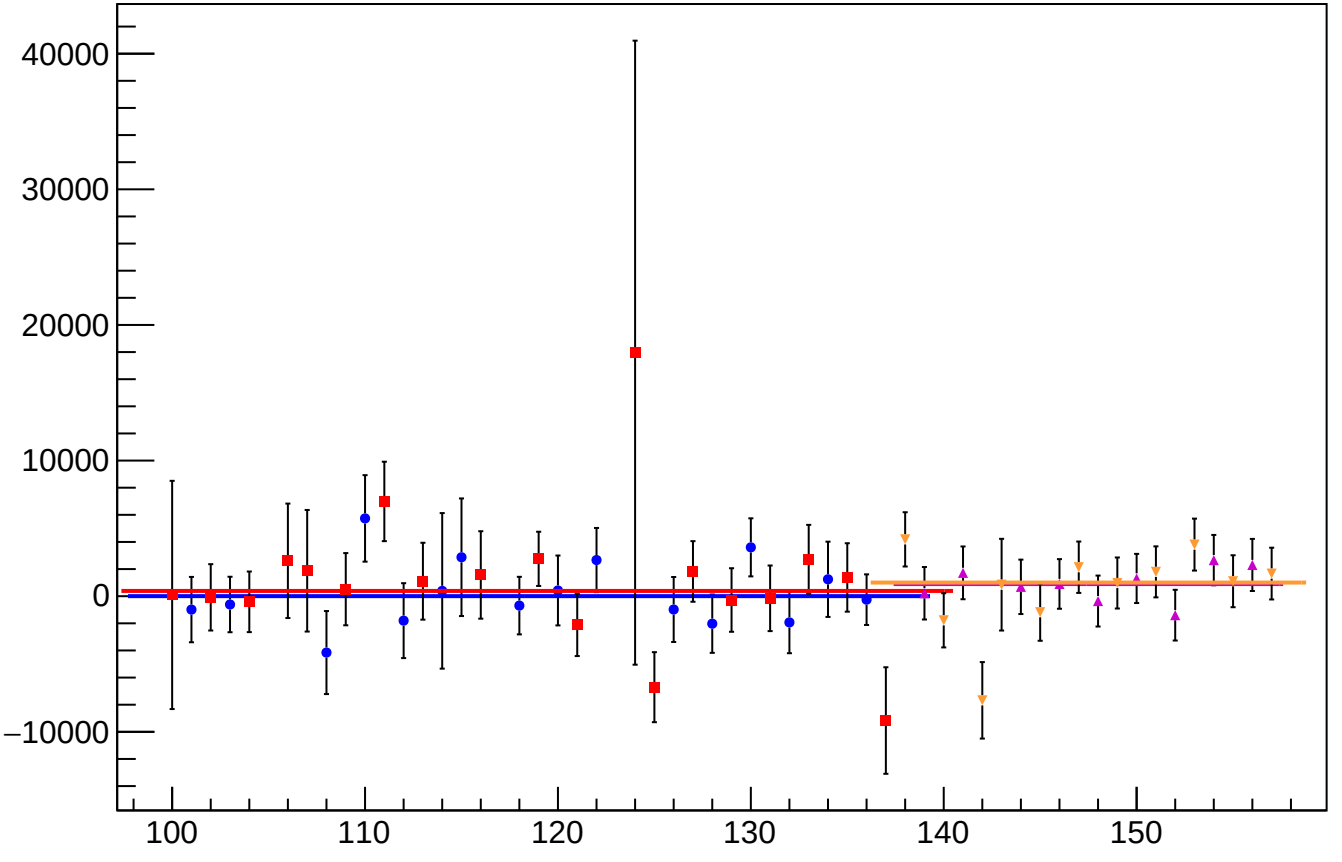
Left In: 4080.550+/-1.048 χ^2/NDF:452108.4/8

+ sign 765.477+/-0.235 χ^2/NDF: 20805032.0/26

All: 651.443+/-0.160 χ^2/NDF: 44941527.2/54

- sign 552.653+/-0.218 χ^2/NDF: 23695617.2/27

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 1006.362+/-619.827 χ^2/NDF:17.8/10

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

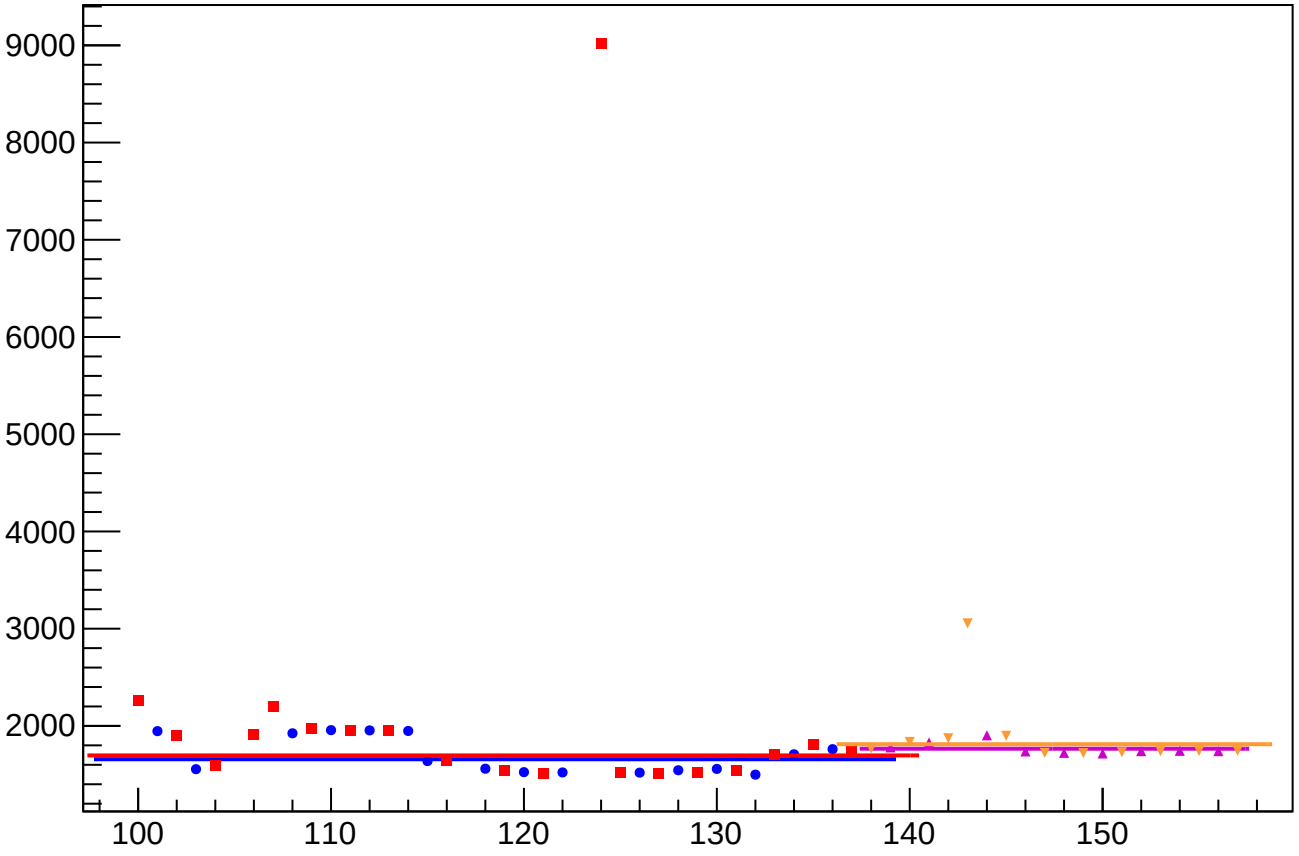
Left In: 894.426+/-630.746 χ^2/NDF:3.8/8

+ sign 505.392+/-438.312 χ^2/NDF: 31.6/26

All: 572.798+/-312.974 χ^2/NDF: 59.7/54

- sign 642.916+/-447.041 χ^2/NDF: 28.1/27

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1811.664+/-0.438 χ^2/NDF:296672.3/10

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

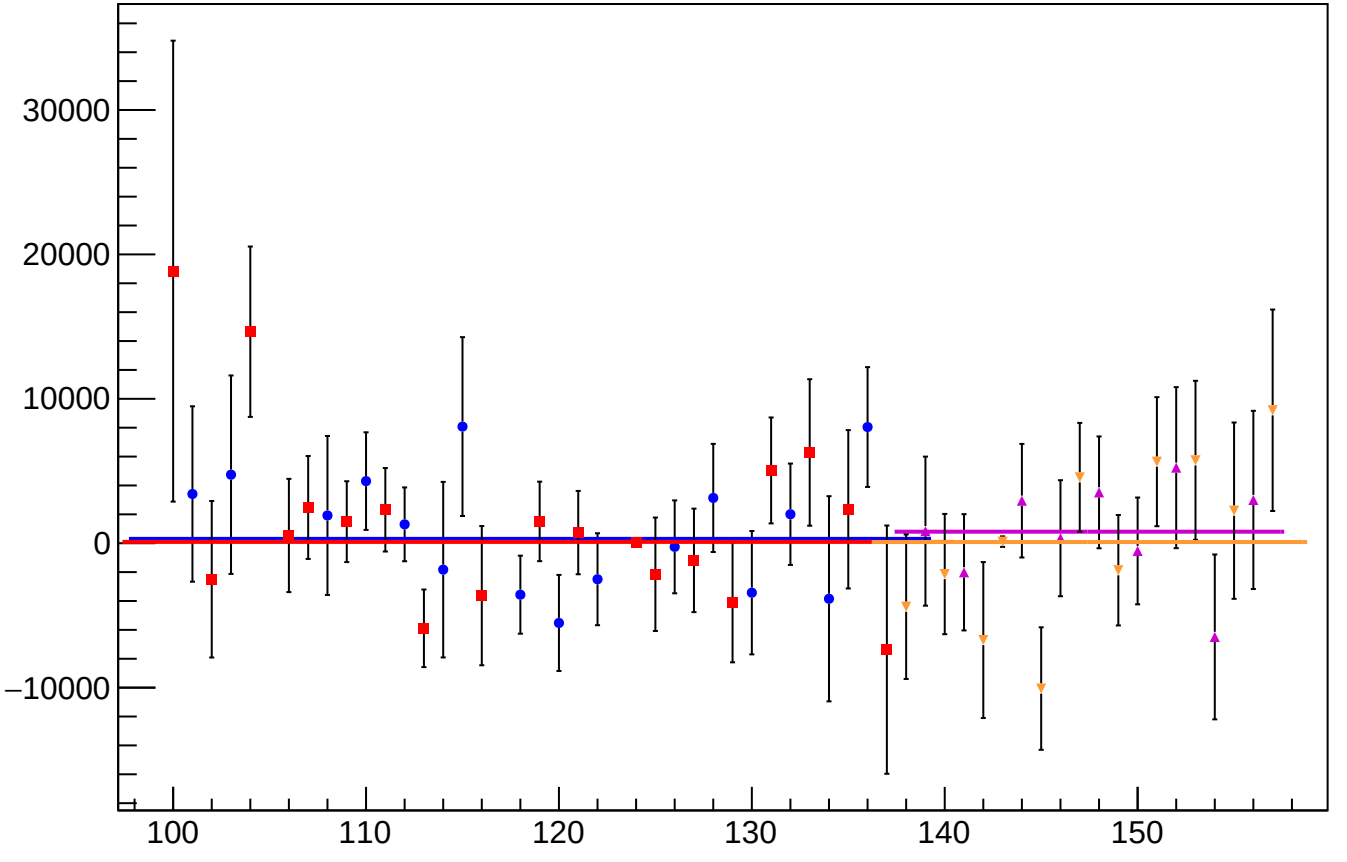
Left In: 1765.394+/-0.446 χ^2/NDF:15651.5/8

+ sign 1734.401+/-0.310 χ^2/NDF: 502815.7/26

All: 1732.699+/-0.221 χ^2/NDF: 918447.3/54

- sign 1730.936+/-0.315 χ^2/NDF: 415570.3/27

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 83.143+/-353.550 χ^2/NDF:14.5/10

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

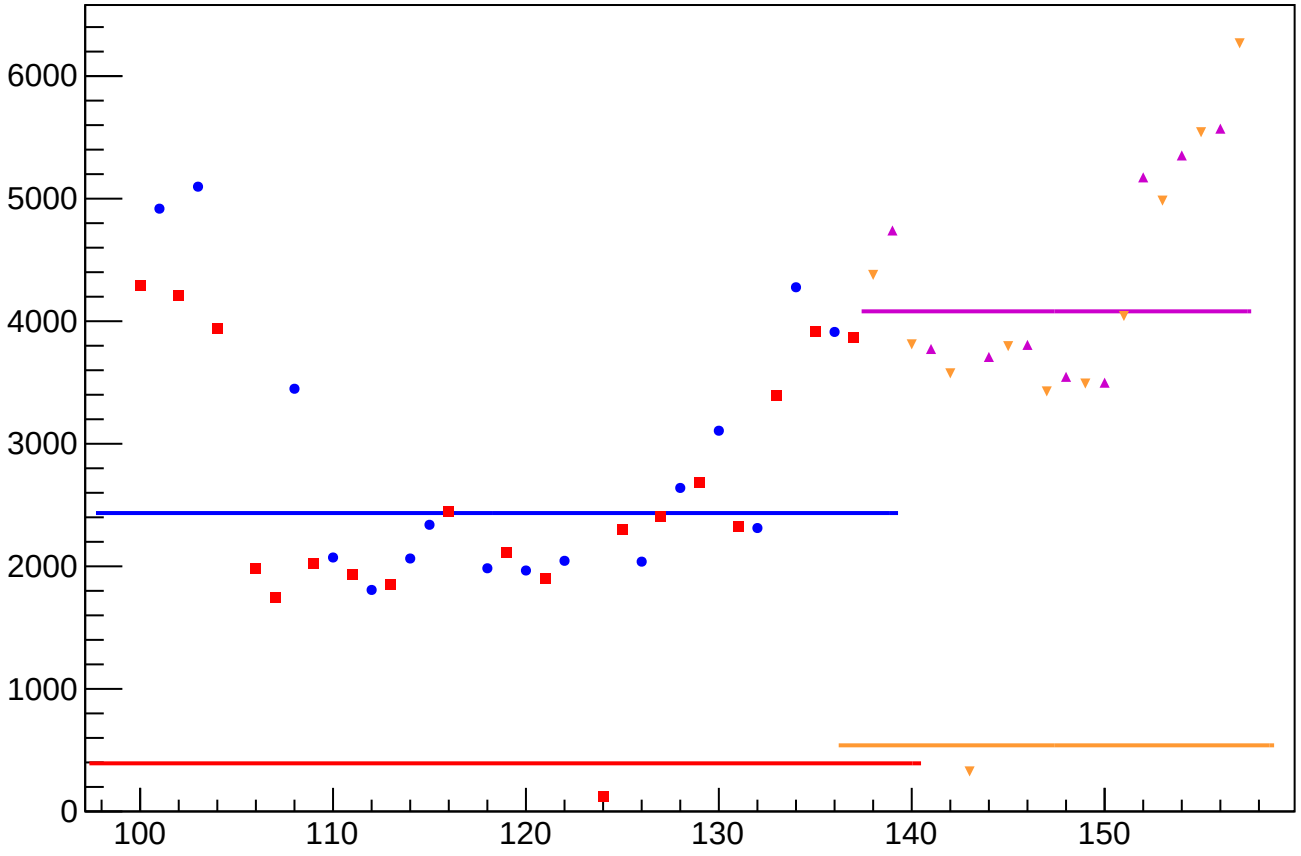
Left In: 798.791+/-1482.751 χ^2/NDF:3.8/8

+ sign 109.216+/-331.806 χ^2/NDF: 29.9/26

All: 116.545+/-226.063 χ^2/NDF: 54.5/54

- sign 122.894+/-308.832 χ^2/NDF: 24.7/27

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 539.519+/-0.250 χ^2/NDF:12496965.2/10

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

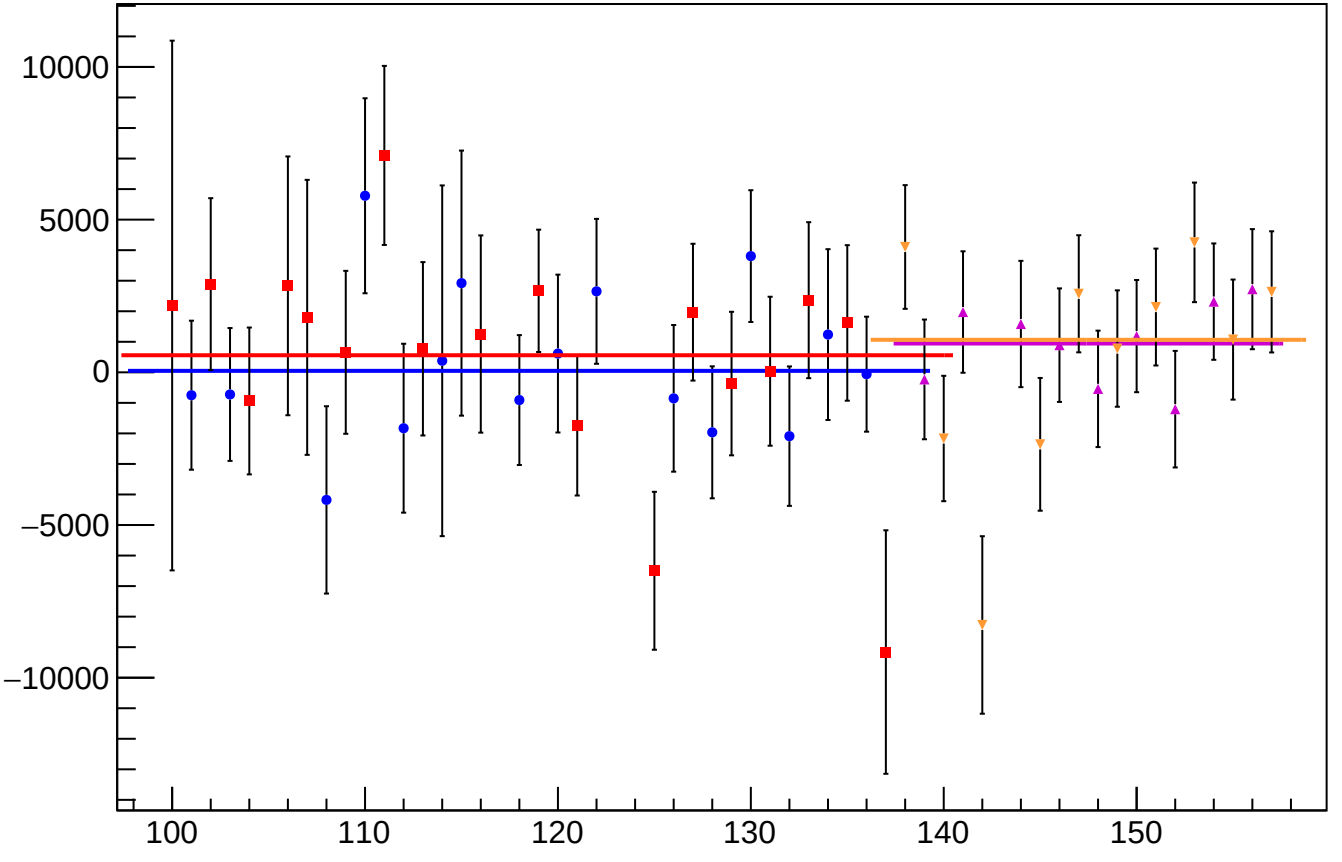
Left In: 4080.550+/-1.048 χ^2/NDF:452108.4/8

\+ sign 765.477+/-0.235 χ^2/NDF: 20805032.0/26

All: 651.443+/-0.160 χ^2/NDF: 44941527.2/54

\- sign 552.653+/-0.218 χ^2/NDF: 23695617.2/27

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1065.481+/-644.812 χ^2/NDF:21.8/9

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

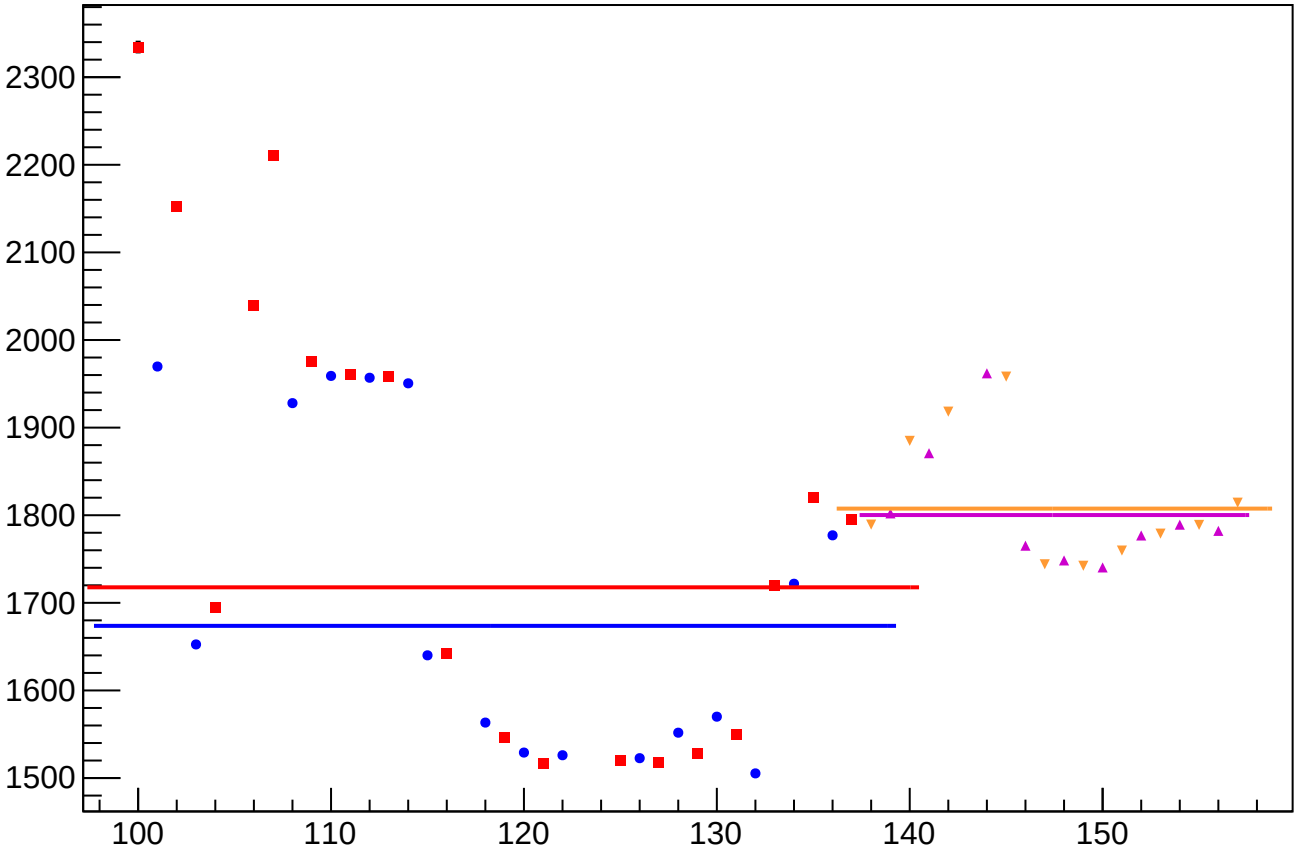
Left In: 943.556+/-643.297 χ^2/NDF:4.0/8

+ sign 541.975+/-449.208 χ^2/NDF: 35.9/25

All: 645.592+/-319.868 χ^2/NDF: 63.4/52

- sign 752.172+/-455.583 χ^2/NDF: 27.4/26

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.561+/-0.456 χ^2/NDF:21927.9/9

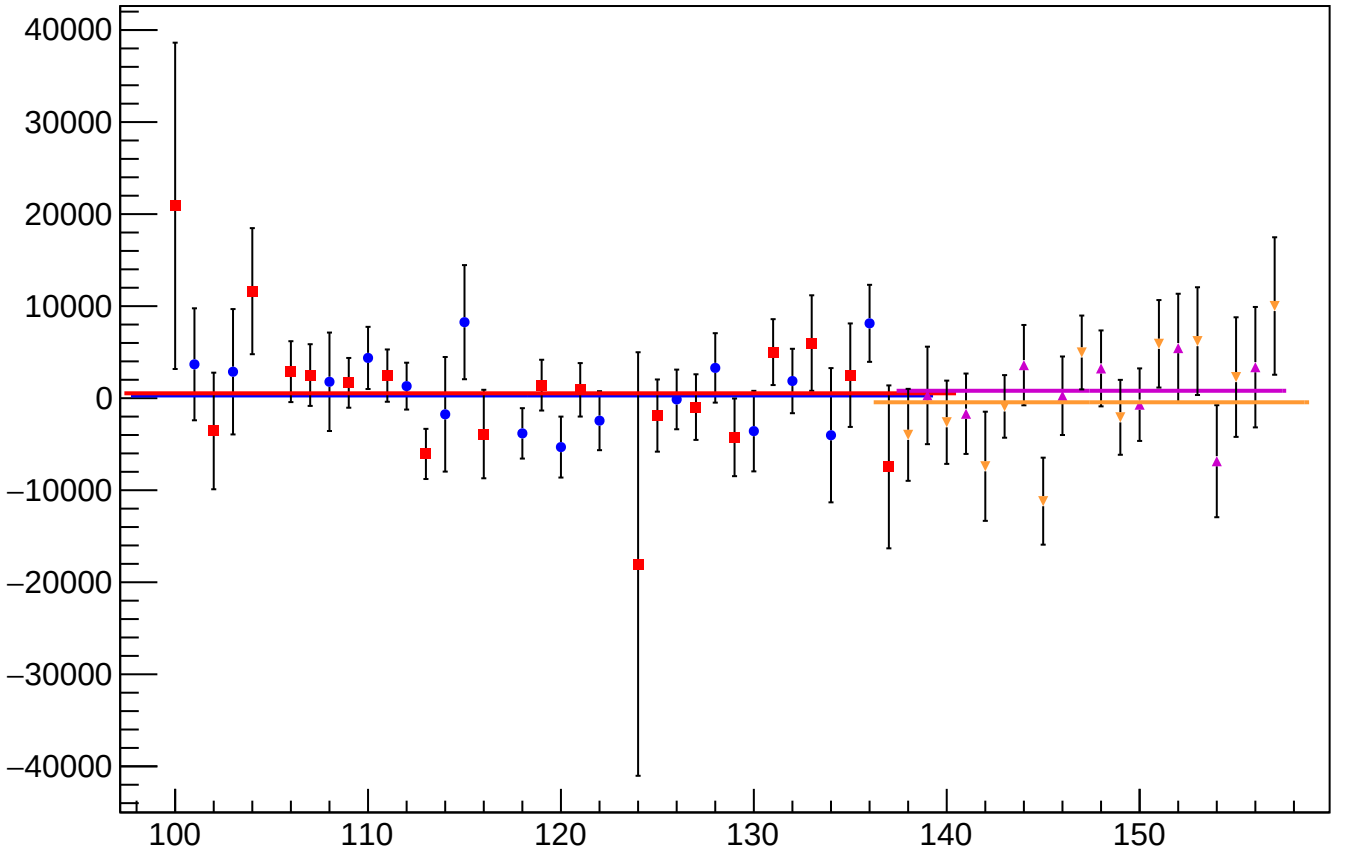
Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1800.213+/-0.455 χ^2/NDF:19601.9/8

+ sign 1738.680+/-0.318 χ^2/NDF: 207144.1/25

All: 1748.706+/-0.226 χ^2/NDF: 472840.6/52

- sign 1758.995+/-0.322 χ^2/NDF: 263677.7/26



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -444.567+/-1434.168 χ^2/NDF:14.5/10

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

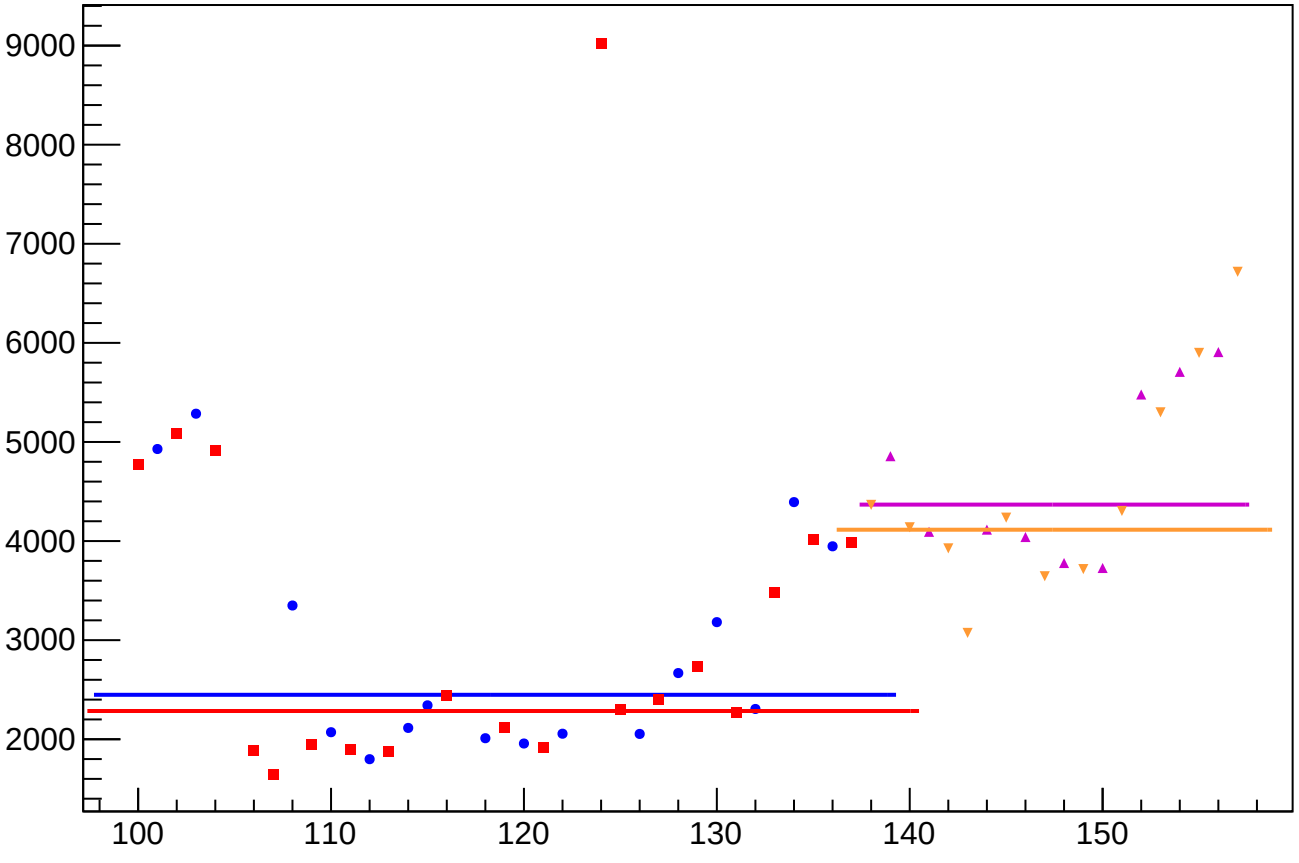
Left In: 805.102+/-1585.618 χ^2/NDF:3.6/8

+ sign 65.666+/-800.447 χ^2/NDF: 29.9/26

All: 340.390+/-555.705 χ^2/NDF: 52.6/54

- sign 595.996+/-772.092 χ^2/NDF: 22.4/27

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4114.523+/-1.014 χ^2/NDF:721209.0/10

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

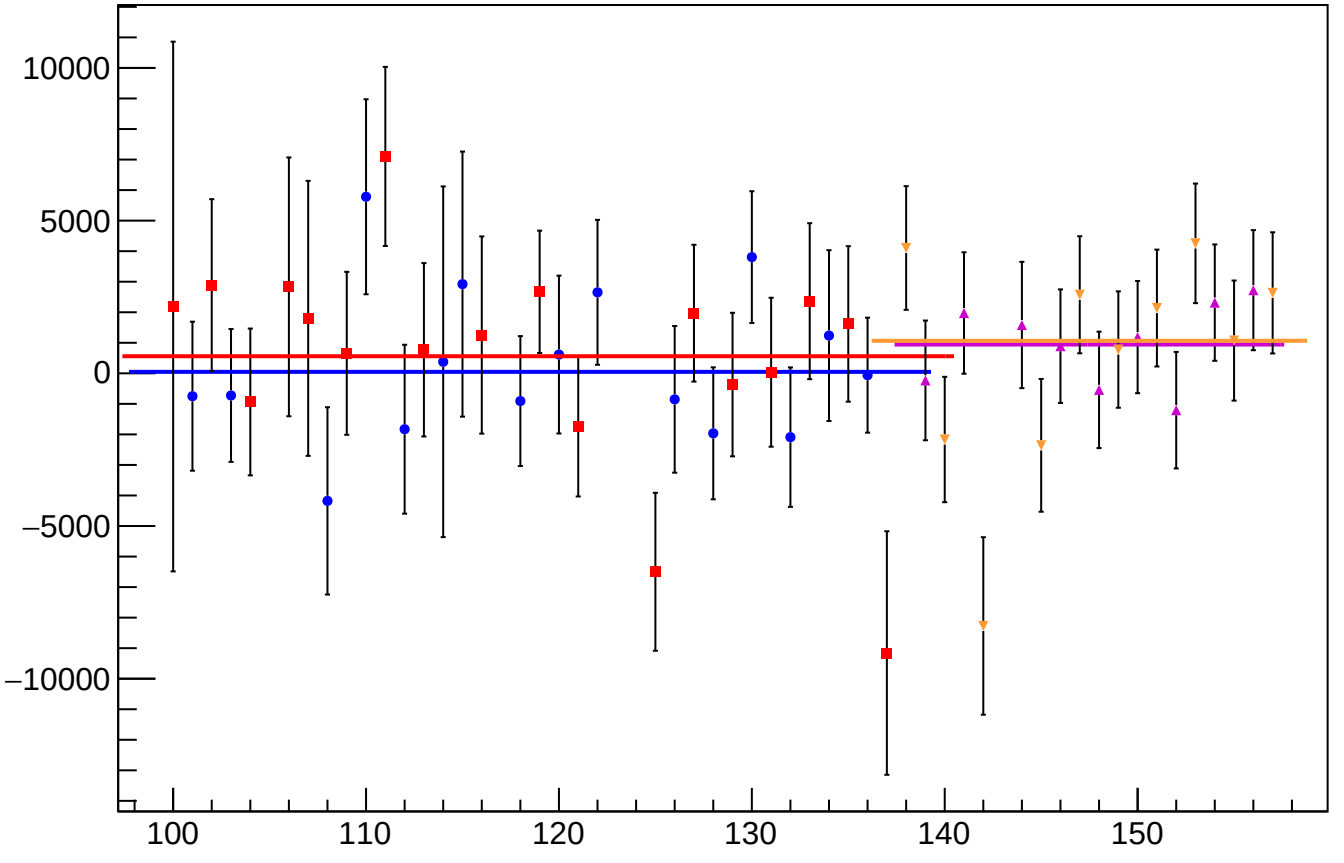
Left In: 4367.918+/-1.121 χ^2/NDF:415345.6/8

+ sign 2967.542+/-0.566 χ^2/NDF: 4096776.3/26

All: 2869.835+/-0.393 χ^2/NDF: 8751224.0/54

- sign 2778.928+/-0.546 χ^2/NDF: 4596922.0/27

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1065.480+/-644.812 χ^2/NDF:21.8/9

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

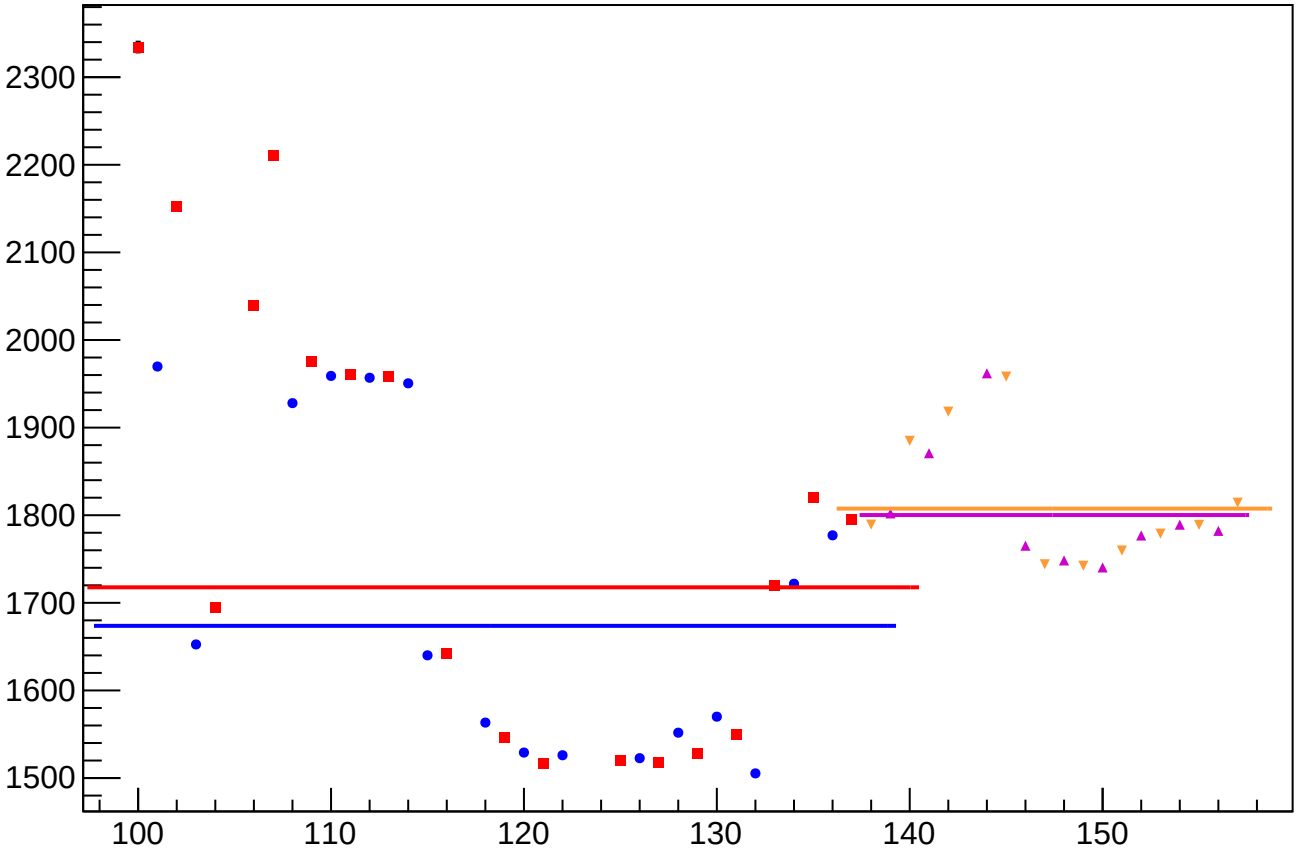
Left In: 943.557+/-643.297 χ^2/NDF:4.0/8

+ sign 541.973+/-449.208 χ^2/NDF: 35.9/25

All: 645.592+/-319.868 χ^2/NDF: 63.4/52

- sign 752.173+/-455.583 χ^2/NDF: 27.4/26

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1807.563+/-0.456 χ^2/NDF:21928.3/9

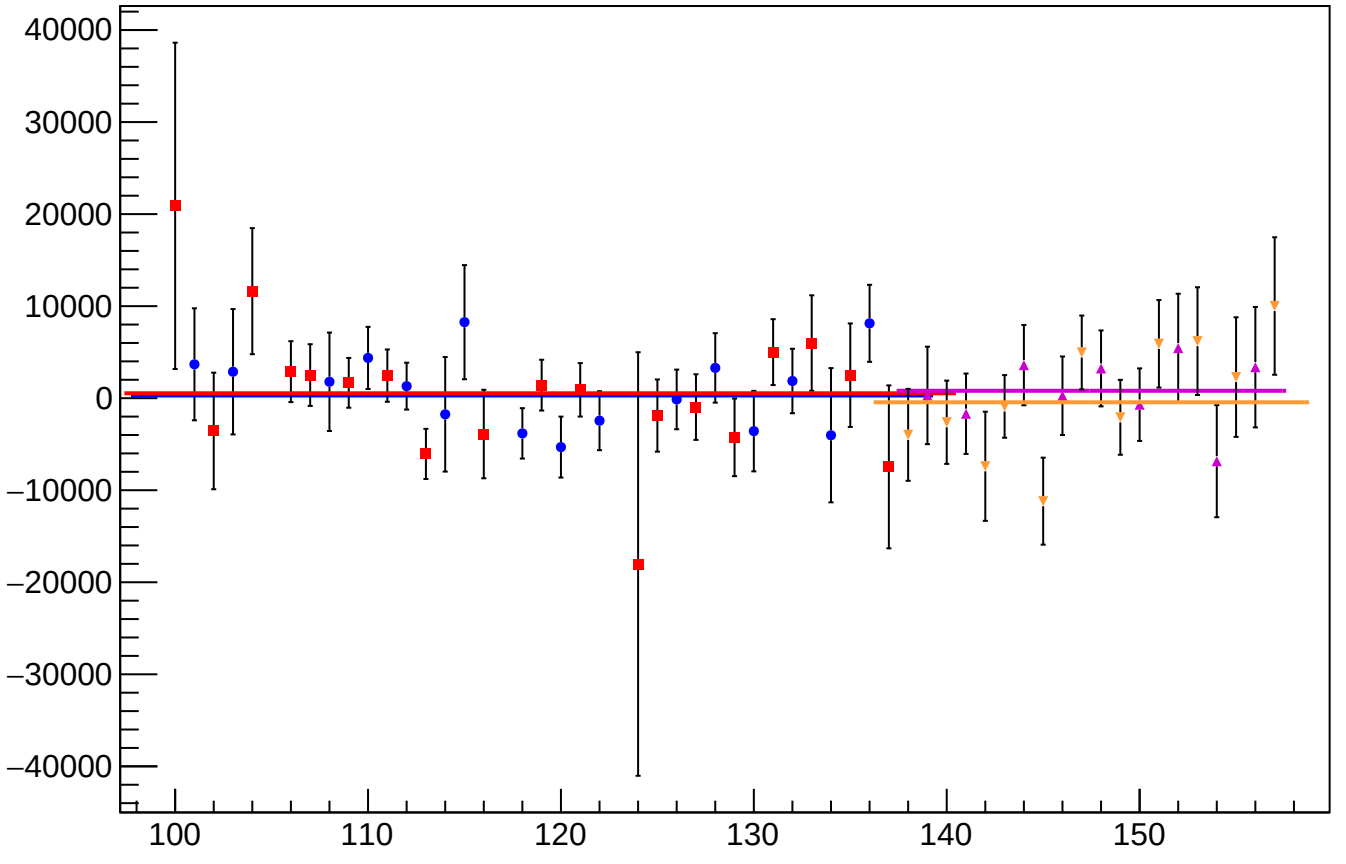
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1800.214+/-0.455 χ^2/NDF:19602.1/8

+ sign 1738.681+/-0.318 χ^2/NDF: 207145.4/25

All: 1748.707+/-0.226 χ^2/NDF: 472841.8/52

- sign 1758.995+/-0.322 χ^2/NDF: 263677.7/26



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -444.563+/-1434.170 χ^2/NDF:14.5/10

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

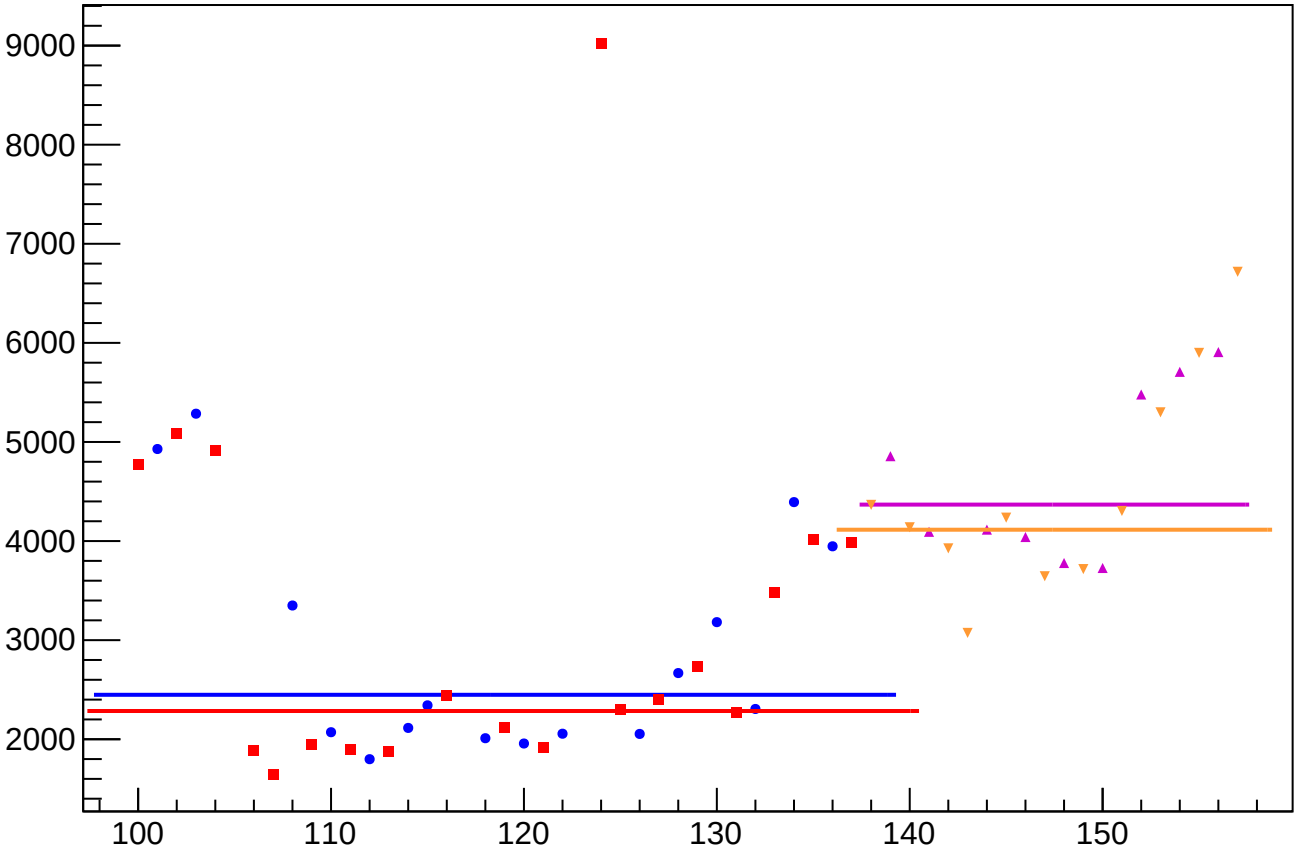
Left In: 805.103+/-1585.620 χ^2/NDF:3.6/8

+ sign 65.664+/-800.445 χ^2/NDF: 29.9/26

All: 340.390+/-555.704 χ^2/NDF: 52.6/54

- sign 595.997+/-772.090 χ^2/NDF: 22.4/27

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4114.527+/-1.014 χ^2/NDF:721212.9/10

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

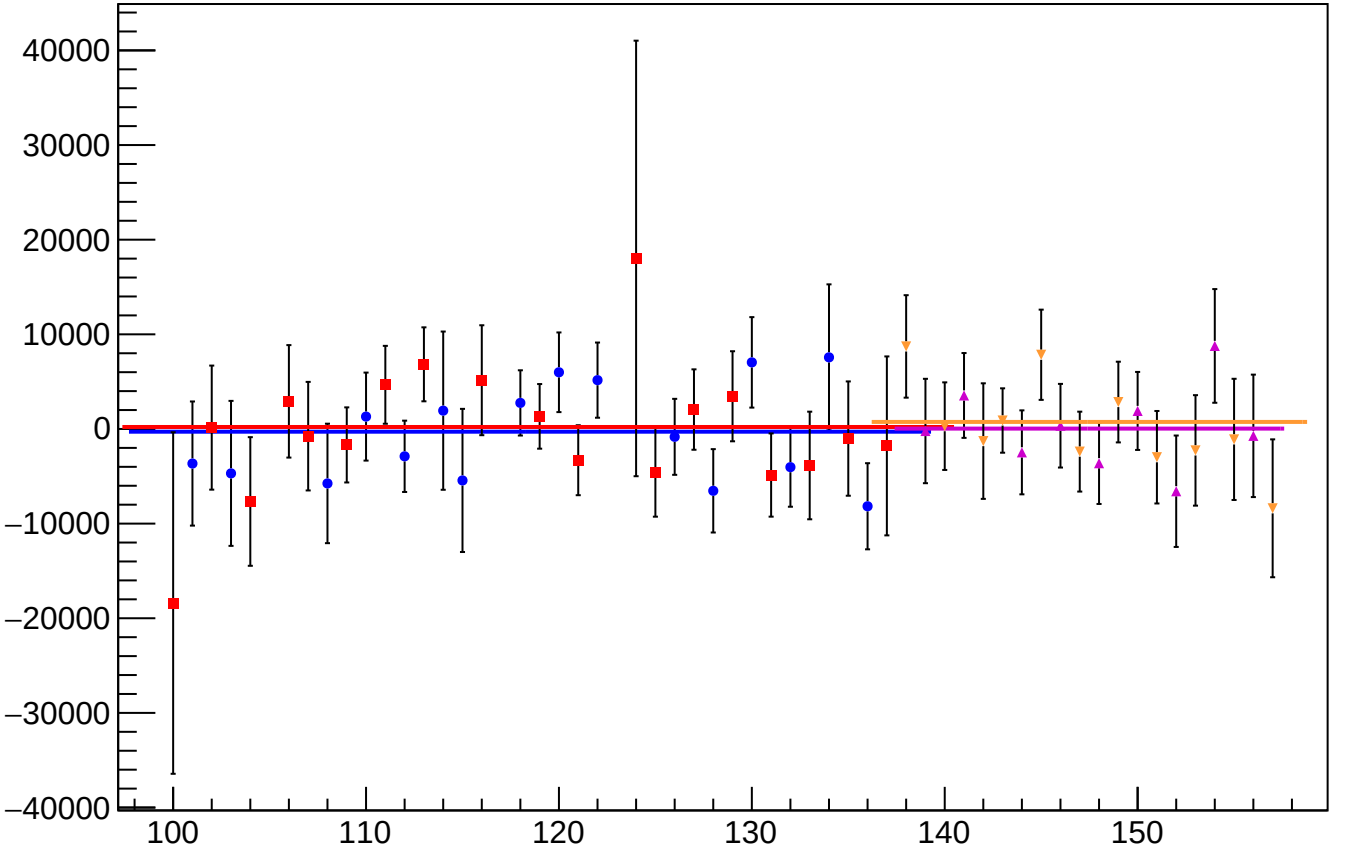
Left In: 4367.923+/-1.121 χ^2/NDF:415348.3/8

+ sign 2967.532+/-0.566 χ^2/NDF: 4096828.2/26

All: 2869.826+/-0.393 χ^2/NDF: 8751320.7/54

- sign 2778.919+/-0.546 χ^2/NDF: 4596967.0/27

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 744.594+/-1468.596 χ^2/NDF:7.8/10

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

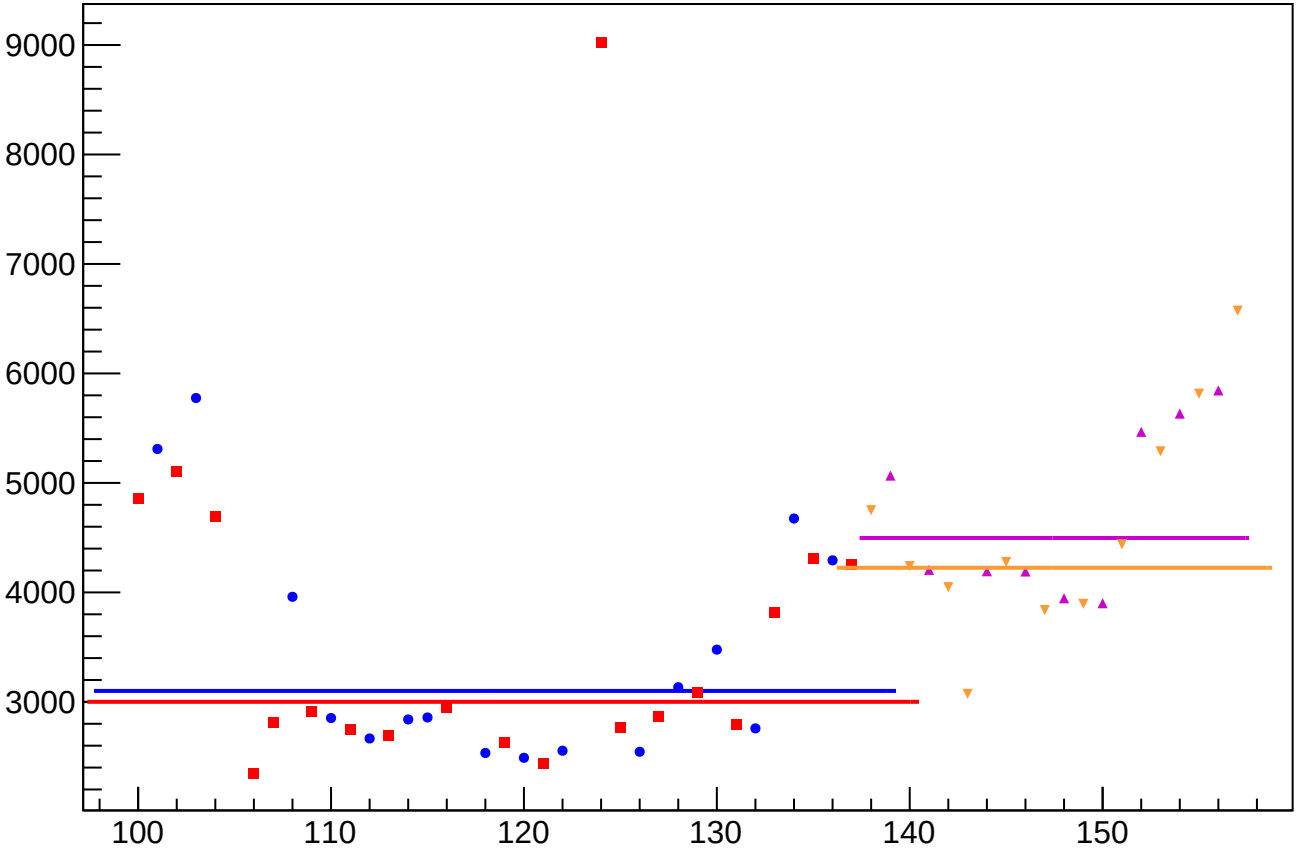
Left In: 38.338+/-1626.592 χ^2/NDF:5.3/8

+ sign 124.743+/-928.001 χ^2/NDF: 24.7/26

All: 138.276+/-660.762 χ^2/NDF: 42.8/54

- sign 152.192+/-941.053 χ^2/NDF: 18.1/27

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4225.058+/-1.038 χ^2/NDF:680210.8/10

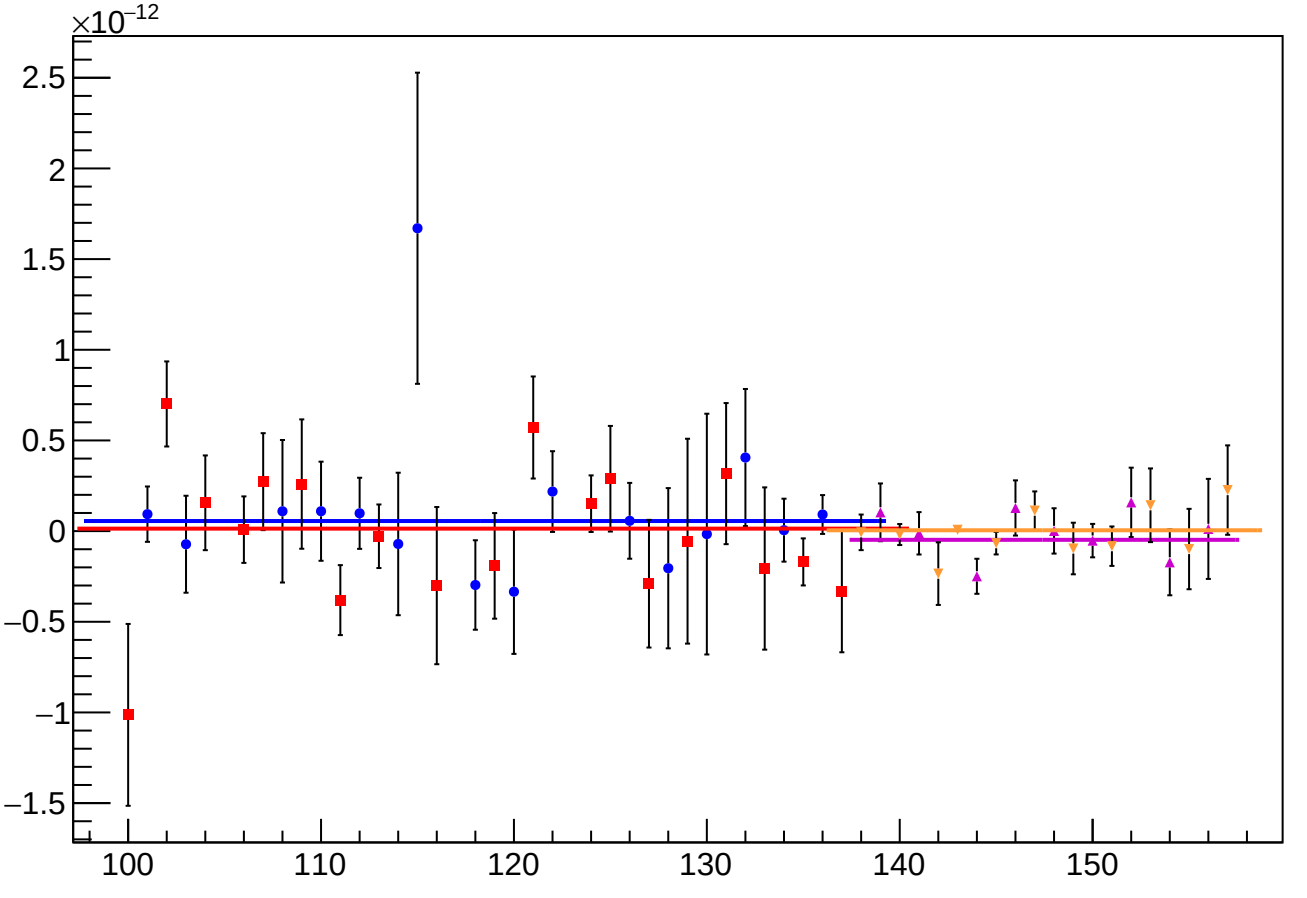
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4497.185+/-1.150 χ^2/NDF:335981.9/8

+ sign 3549.308+/-0.656 χ^2/NDF: 2348791.3/26

All: 3521.096+/-0.465 χ^2/NDF: 4631445.0/54

- sign 3492.607+/-0.659 χ^2/NDF: 2278938.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/10

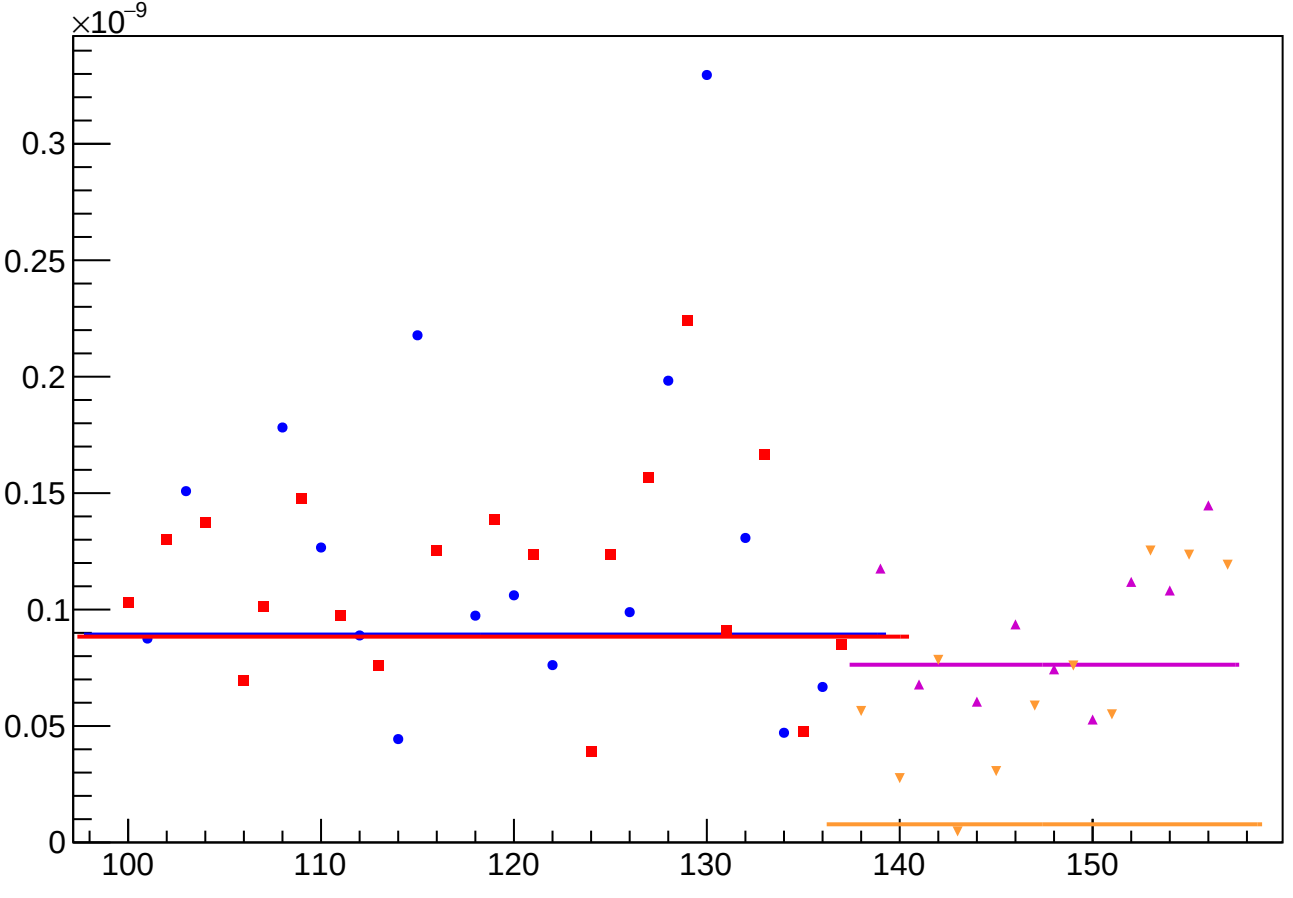
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 17.3/26

All: 0.000+/-0.000 χ^2/NDF: 57.3/54

- sign -0.000+/-0.000 χ^2/NDF: 39.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4486475.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

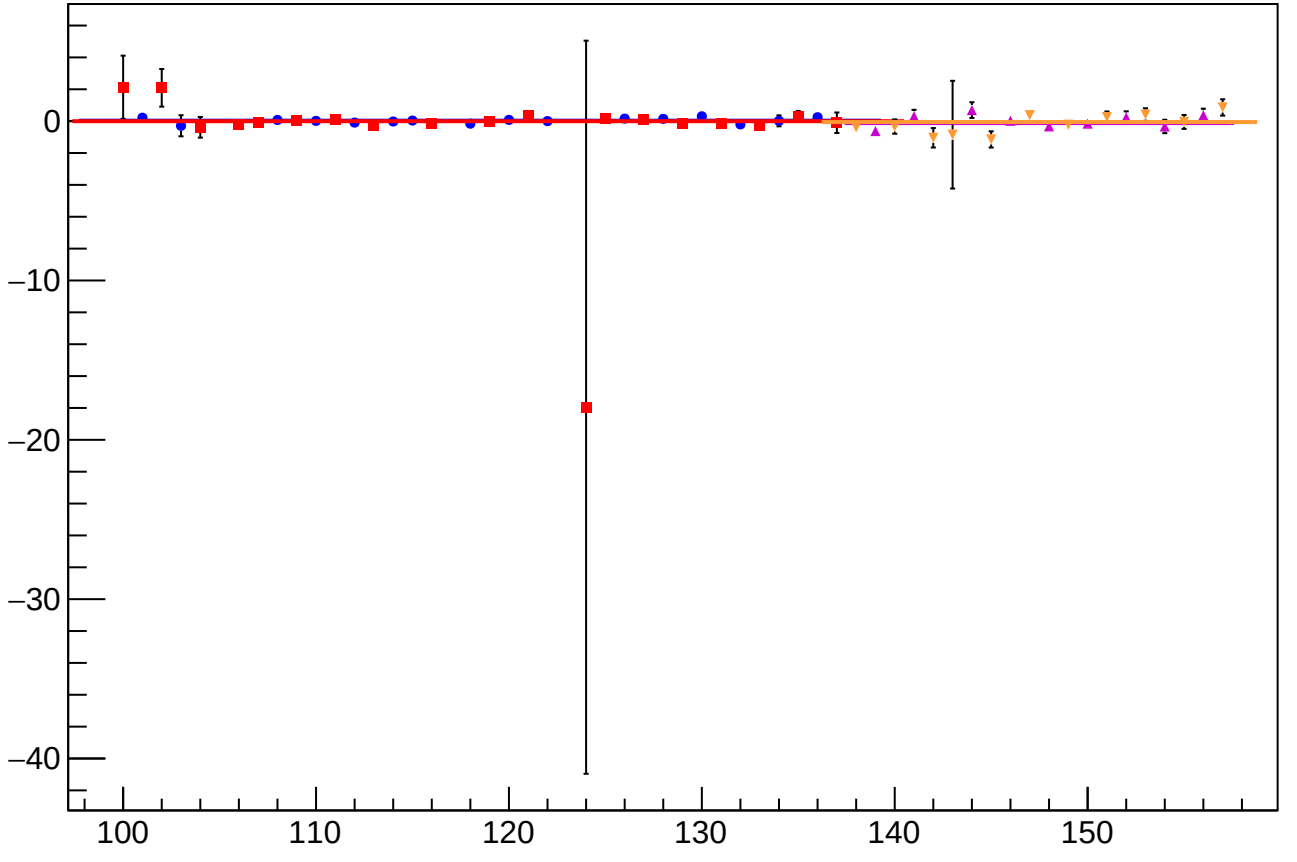
Left In: 0.000+/-0.000 χ^2/NDF:609155.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 9502797.2/26

All: 0.000+/-0.000 χ^2/NDF: 19205702.1/54

- sign 0.000+/-0.000 χ^2/NDF: 1680547.0/27

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

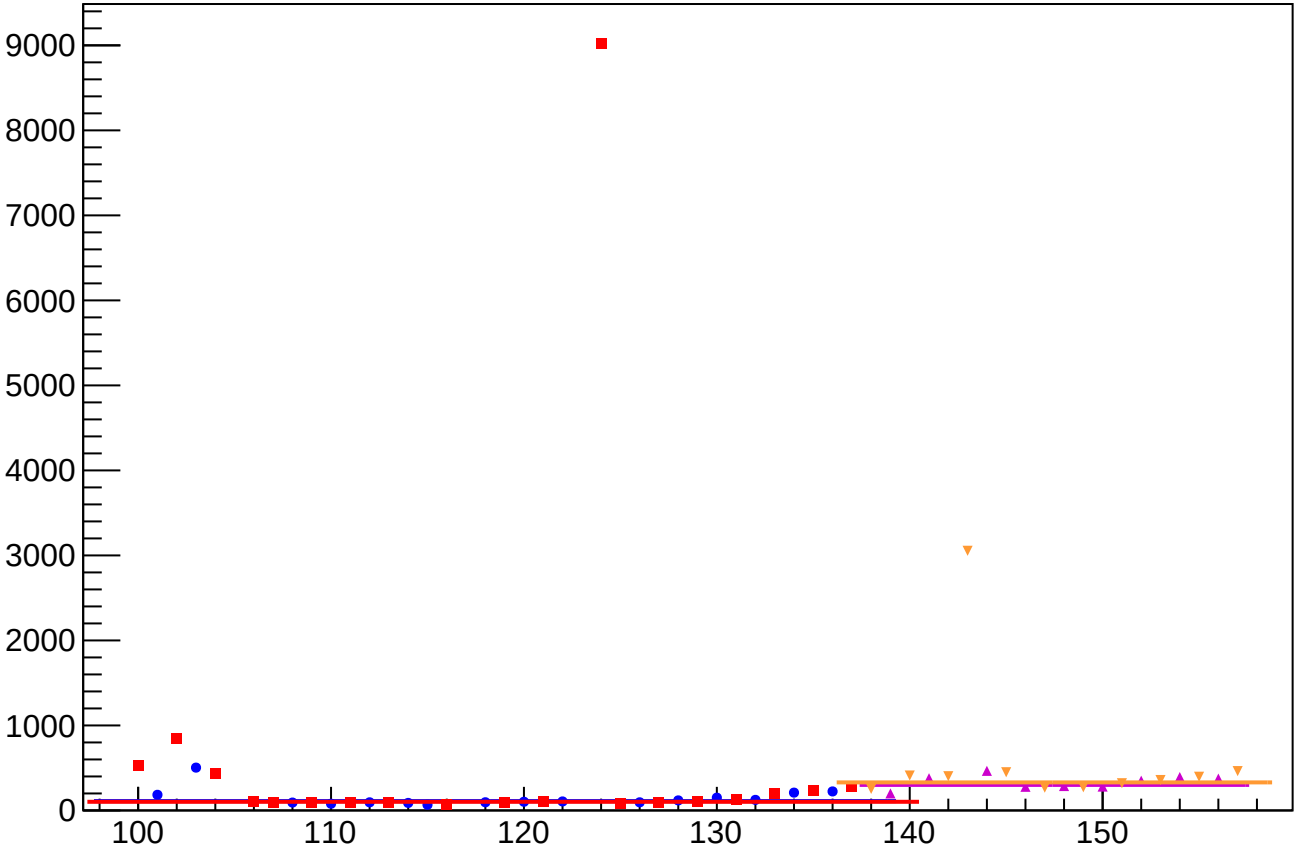
Left In: -0.122+/-0.112 χ^2/NDF:11.7/8

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: -0.001+/-0.029 χ^2/NDF: 61.6/54

- sign -0.019+/-0.040 χ^2/NDF: 35.1/27

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

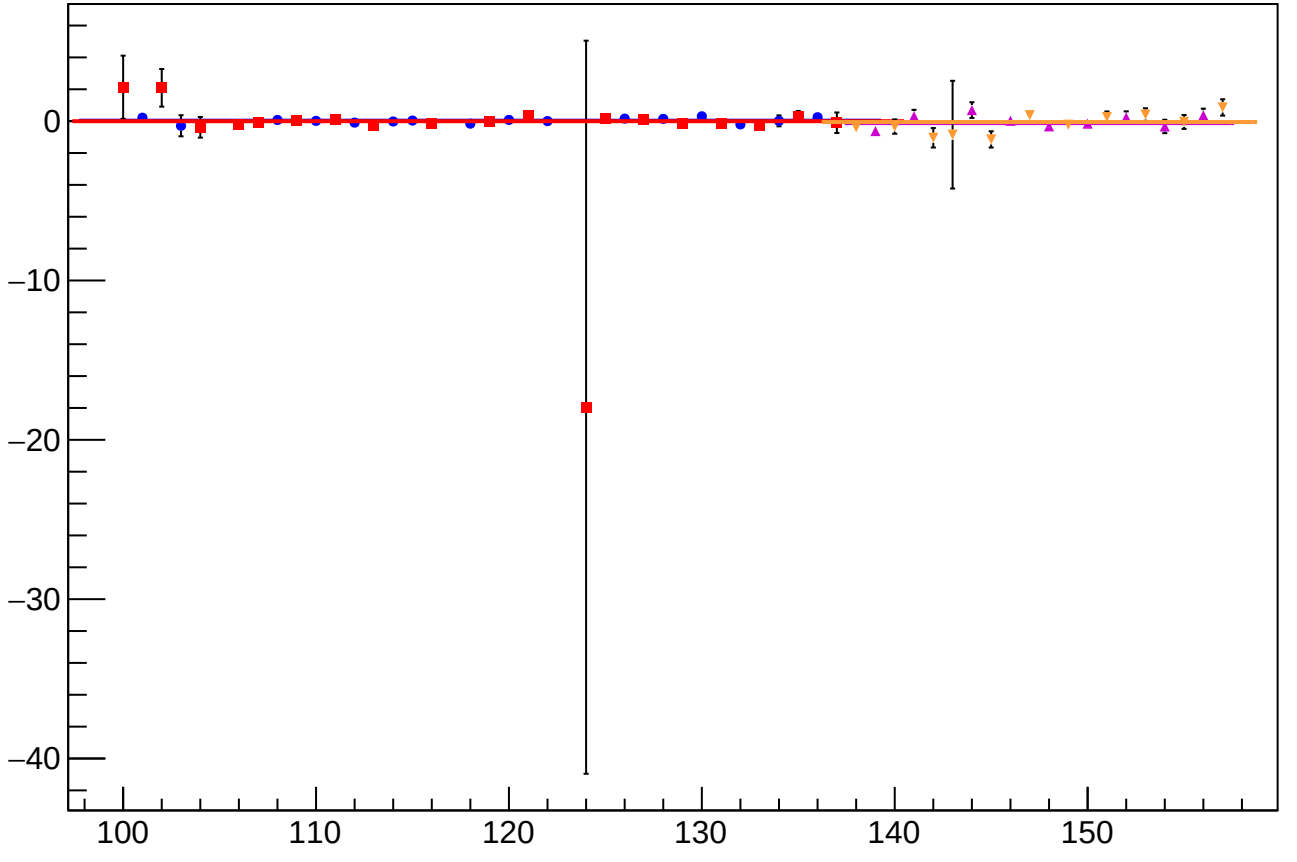
Left In: 300.642+/-0.079 χ^2/NDF:892083.8/8

+ sign 137.404+/-0.030 χ^2/NDF: 9801704.3/26

All: 132.358+/-0.021 χ^2/NDF: 18814107.5/54

- sign 127.762+/-0.029 χ^2/NDF: 8958231.4/27

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

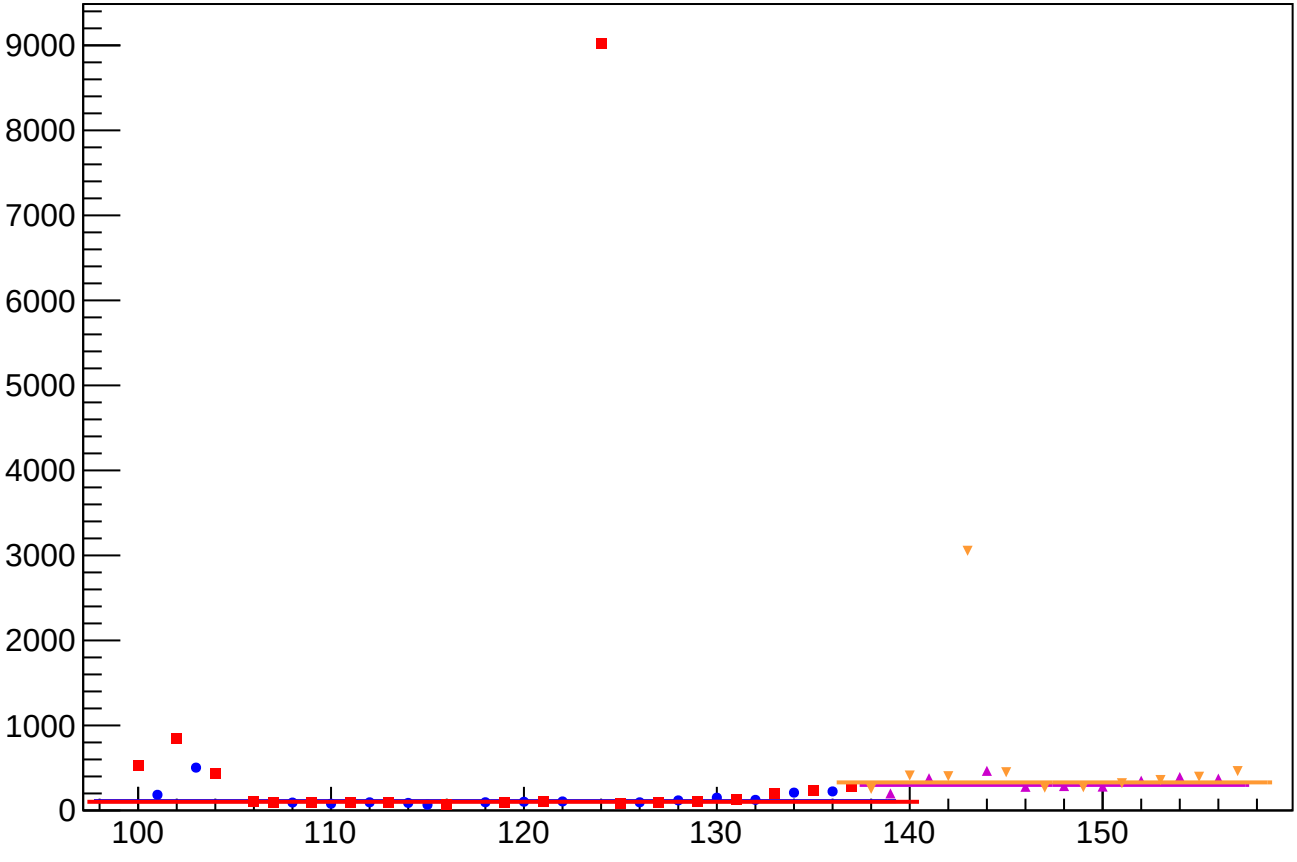
Left In: -0.122+/-0.112 χ^2/NDF:11.7/8

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: -0.001+/-0.029 χ^2/NDF: 61.6/54

- sign -0.019+/-0.040 χ^2/NDF: 35.1/27

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 330.070+/-0.085 χ^2/NDF:1990725.3/10

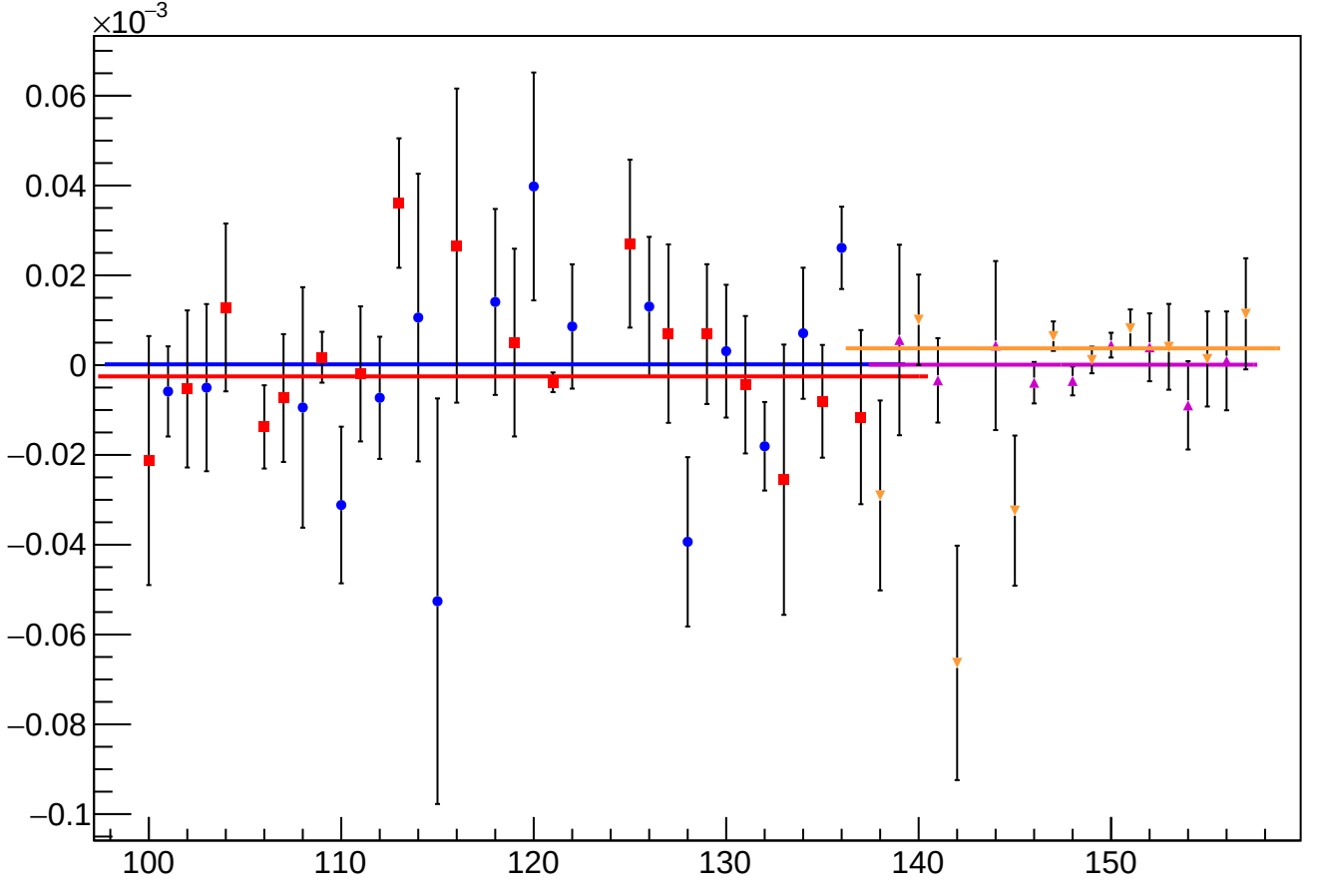
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 300.642+/-0.079 χ^2/NDF:892083.8/8

+ sign 137.404+/-0.030 χ^2/NDF: 9801704.3/26

All: 132.358+/-0.021 χ^2/NDF: 18814107.5/54

- sign 127.762+/-0.029 χ^2/NDF: 8958231.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/9

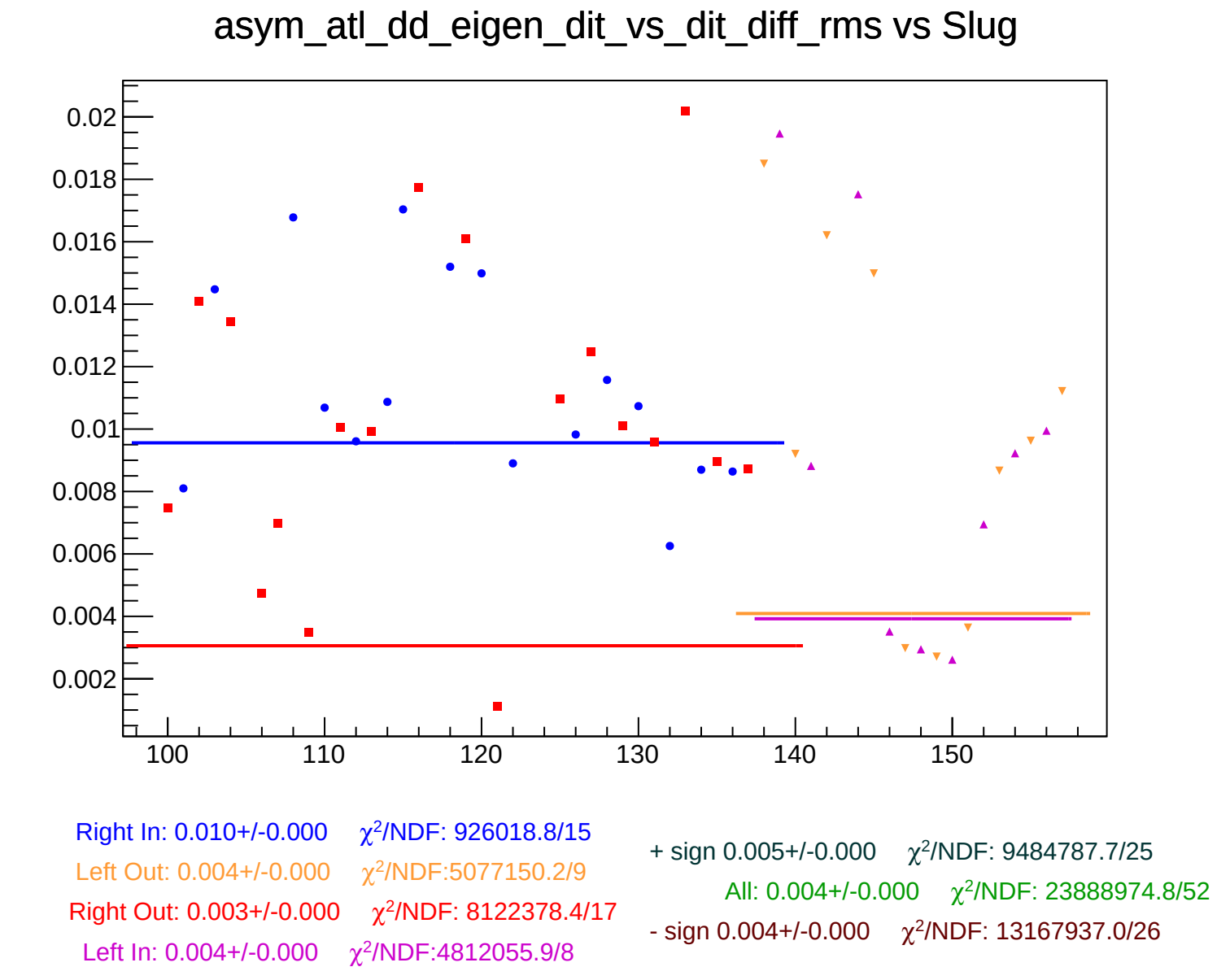
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.9/8

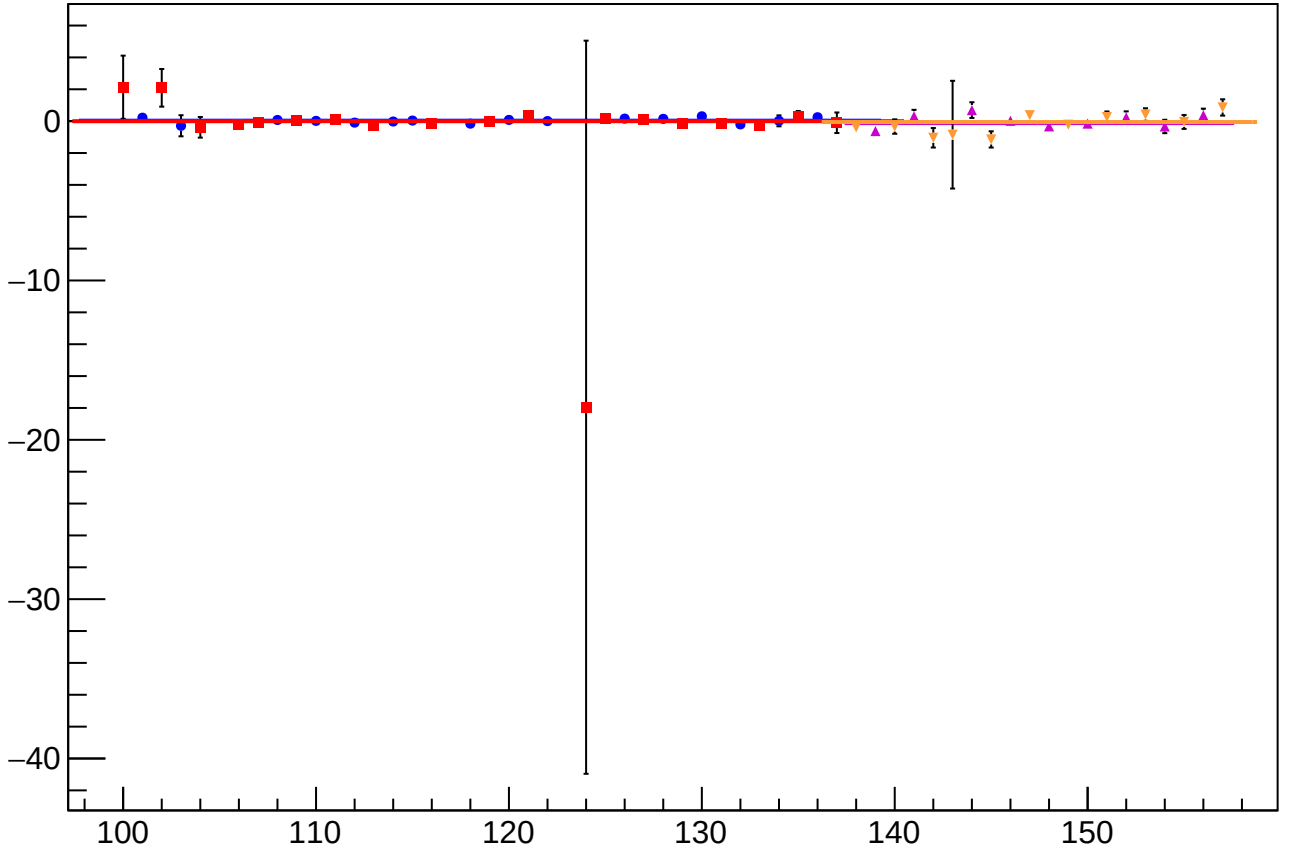
+ sign 0.000+/-0.000 χ^2/NDF: 44.0/25

All: 0.000+/-0.000 χ^2/NDF: 70.9/52

- sign -0.000+/-0.000 χ^2/NDF: 22.7/26


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:5077150.2/9
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:4812055.9/8
+ sign 0.005+/-0.000 χ²/NDF: 9484787.7/25
All: 0.004+/-0.000 χ²/NDF: 23888974.8/52
- sign 0.004+/-0.000 χ²/NDF: 13167937.0/26

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

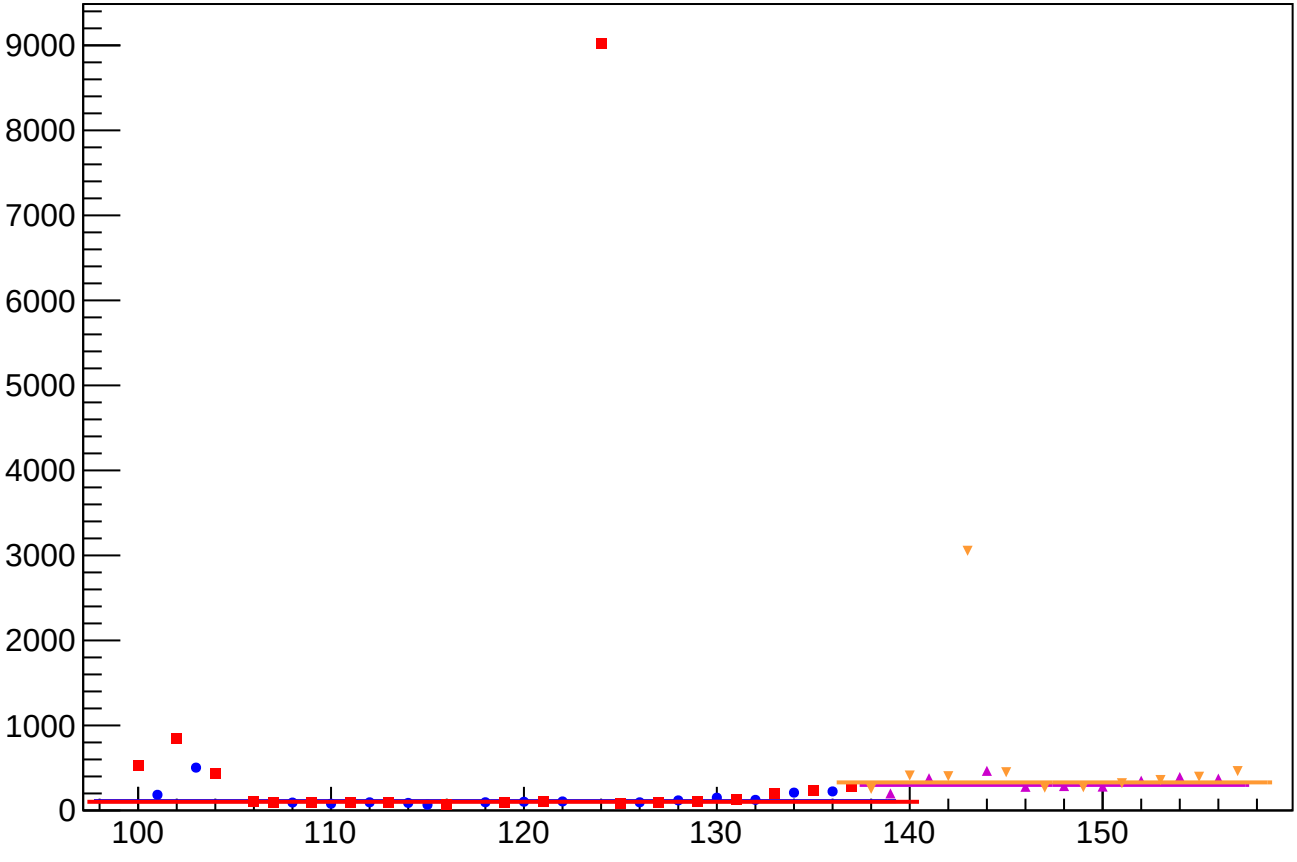
Left In: -0.122+/-0.112 χ^2/NDF:11.7/8

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: -0.001+/-0.029 χ^2/NDF: 61.6/54

- sign -0.019+/-0.040 χ^2/NDF: 35.1/27

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.072+/-0.085 χ^2/NDF:1990771.9/10

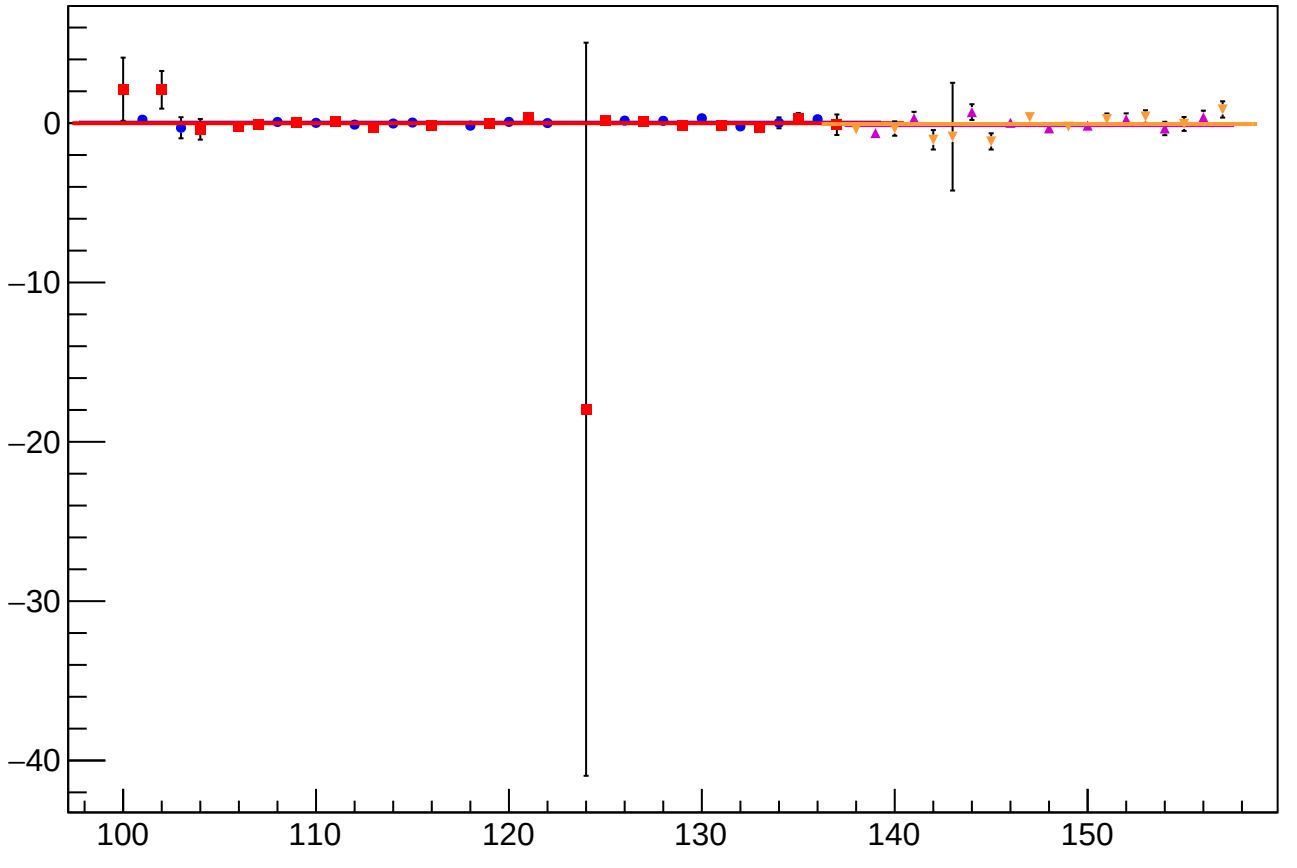
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 300.647+/-0.079 χ^2/NDF:892065.2/8

+ sign 137.405+/-0.030 χ^2/NDF: 9801674.5/26

All: 132.359+/-0.021 χ^2/NDF: 18813997.1/54

- sign 127.764+/-0.029 χ^2/NDF: 8958157.0/27



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.056+/-0.120 χ^2/NDF:16.8/10

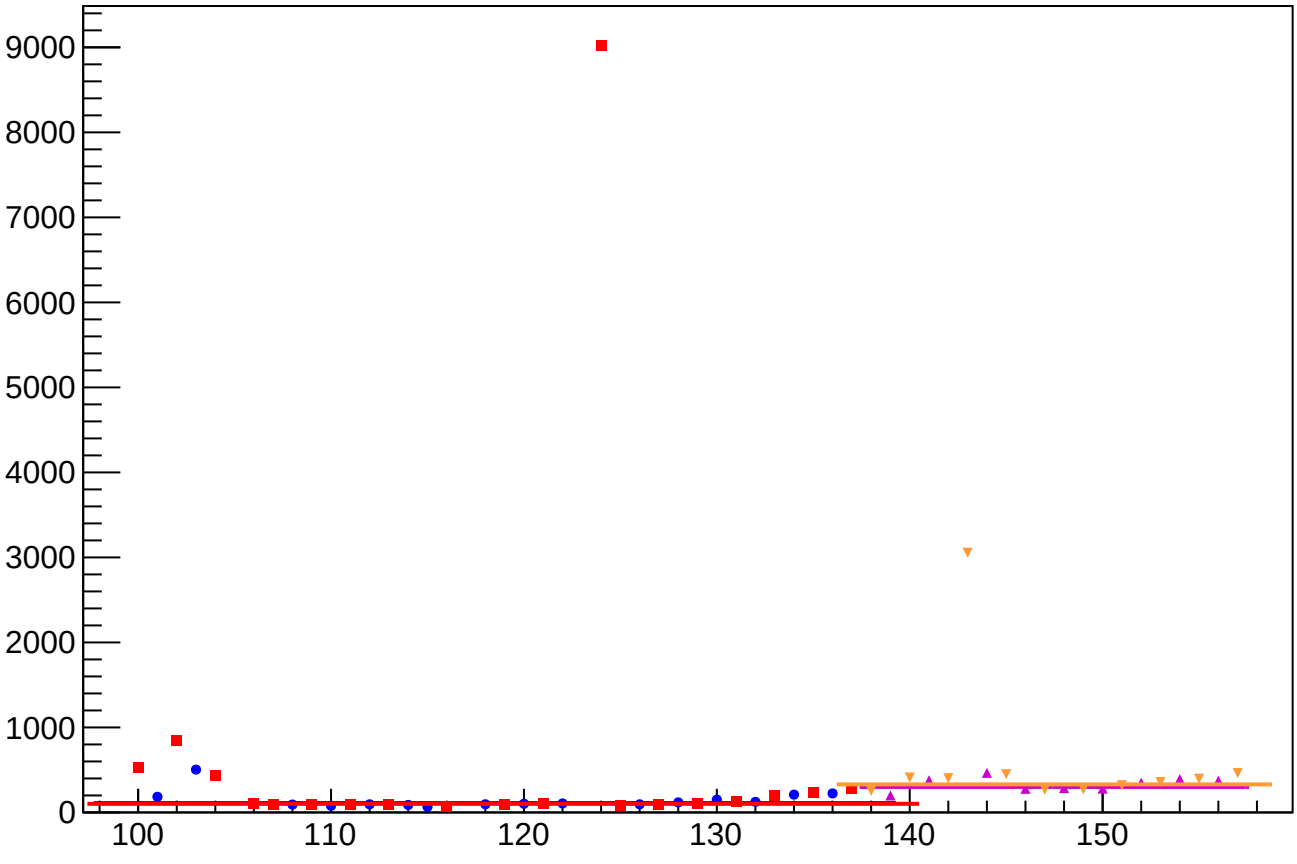
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.122+/-0.112 χ^2/NDF:11.7/8

+ sign 0.018+/-0.042 χ^2/NDF: 26.1/26

All: -0.001+/-0.029 χ^2/NDF: 61.6/54

- sign -0.019+/-0.040 χ^2/NDF: 35.1/27



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 330.072+/-0.085 χ^2/NDF:1990771.9/10

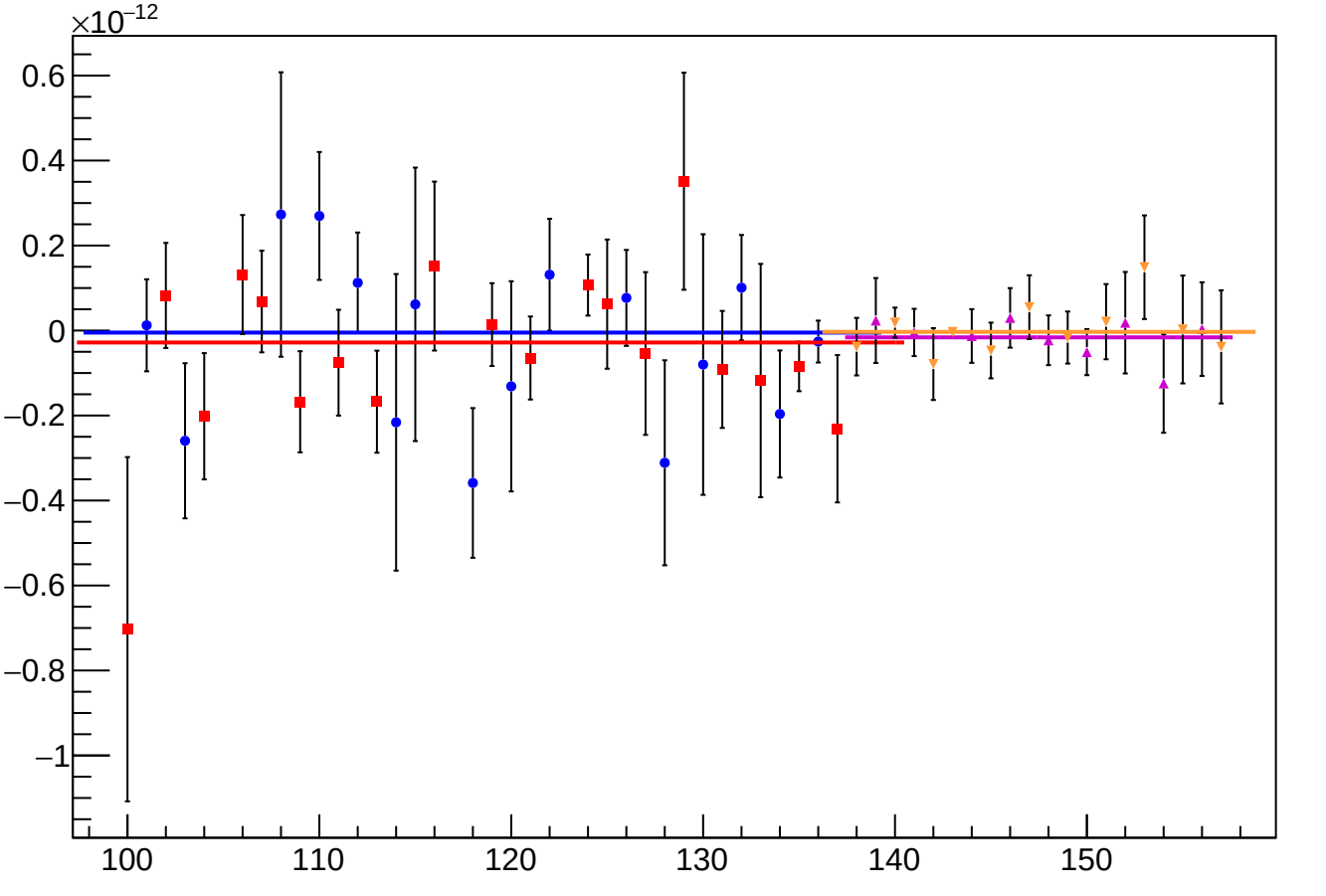
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 300.647+/-0.079 χ^2/NDF:892065.2/8

+ sign 137.405+/-0.030 χ^2/NDF: 9801674.5/26

All: 132.359+/-0.021 χ^2/NDF: 18813997.1/54

- sign 127.764+/-0.029 χ^2/NDF: 8958157.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/10

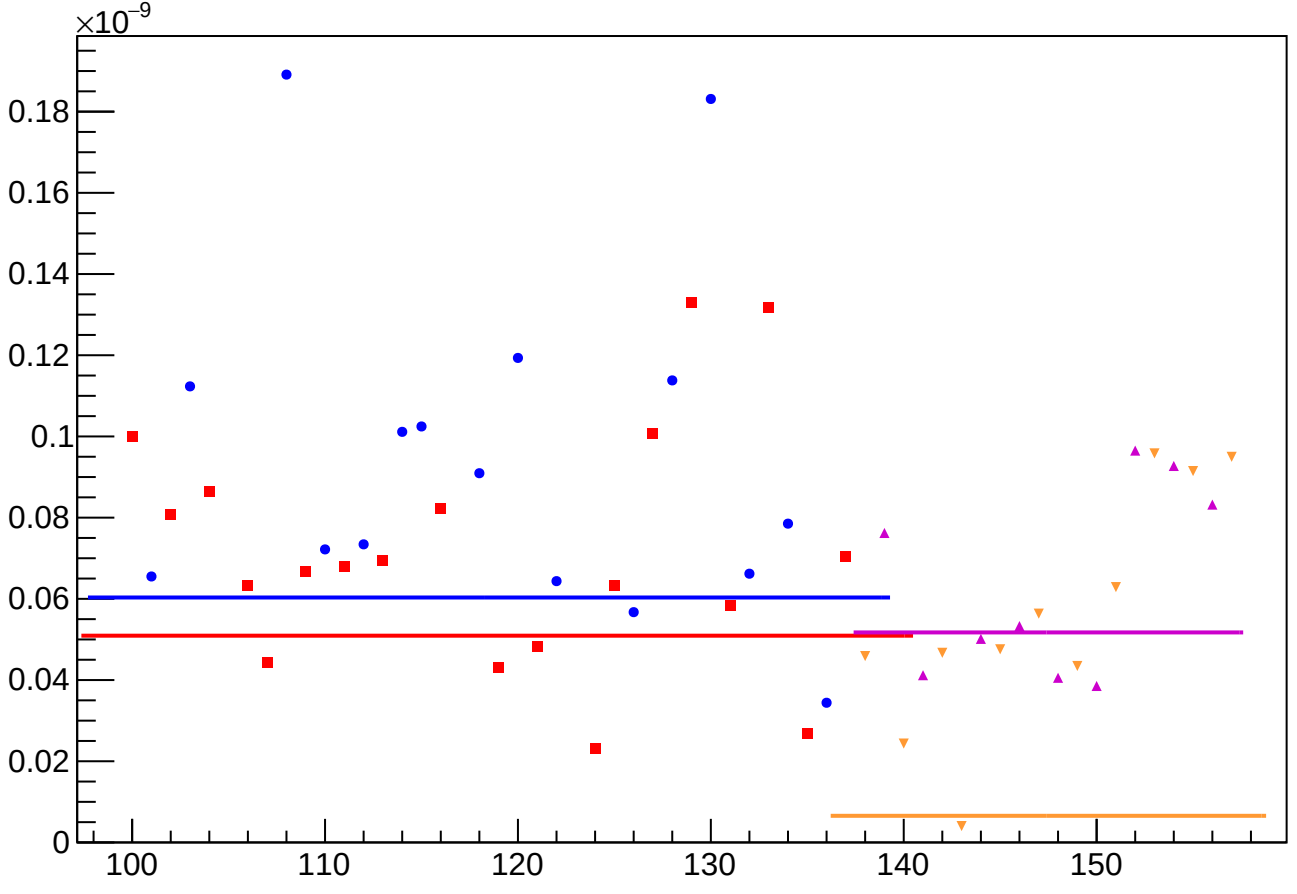
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 21.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.5/54

- sign -0.000+/-0.000 χ^2/NDF: 21.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8084431.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

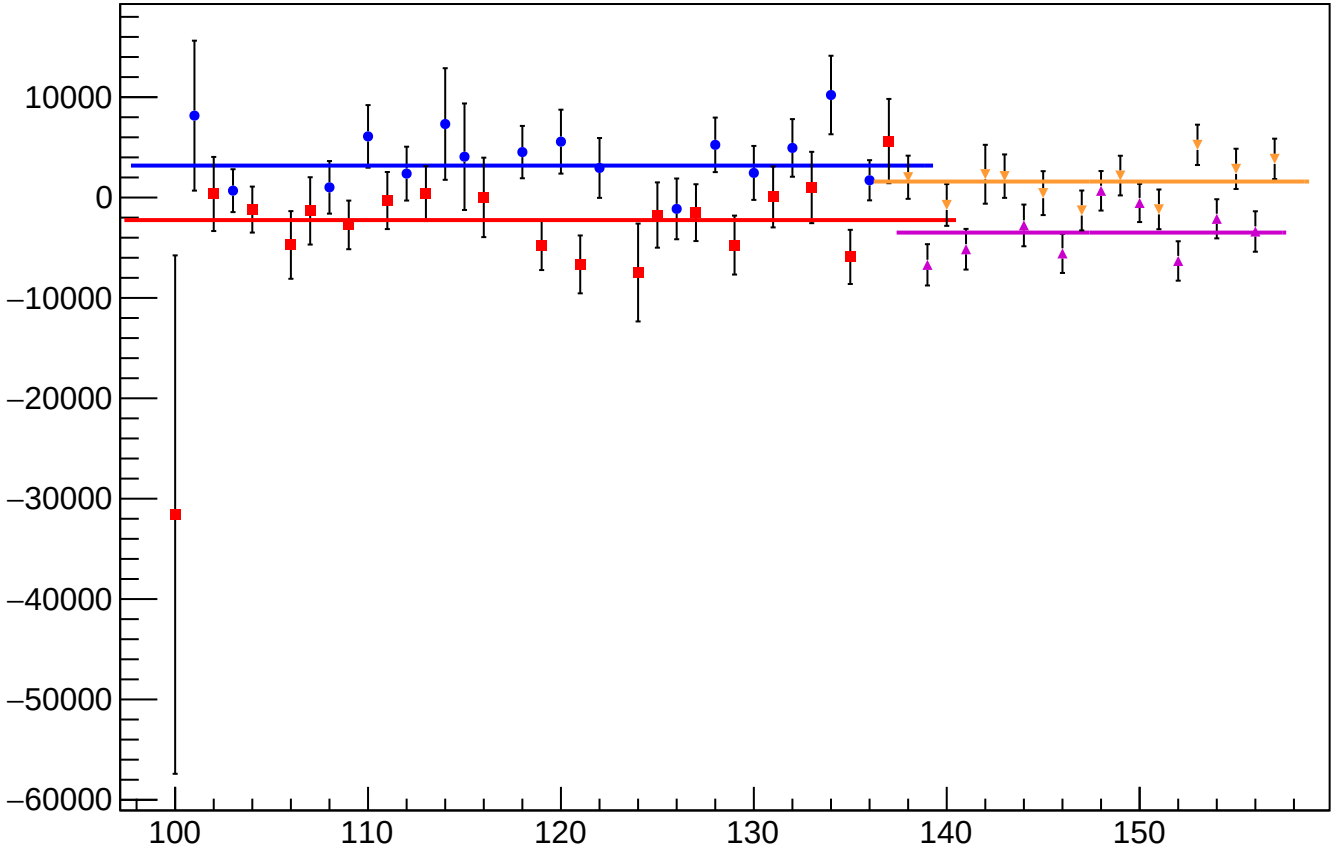
Left In: 0.000+/-0.000 χ^2/NDF:1079475.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 15401745.8/26

All: 0.000+/-0.000 χ^2/NDF: 28778400.3/54

- sign 0.000+/-0.000 χ^2/NDF: 2747456.9/27

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1595.036+/-633.004 χ^2/NDF:10.8/10

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

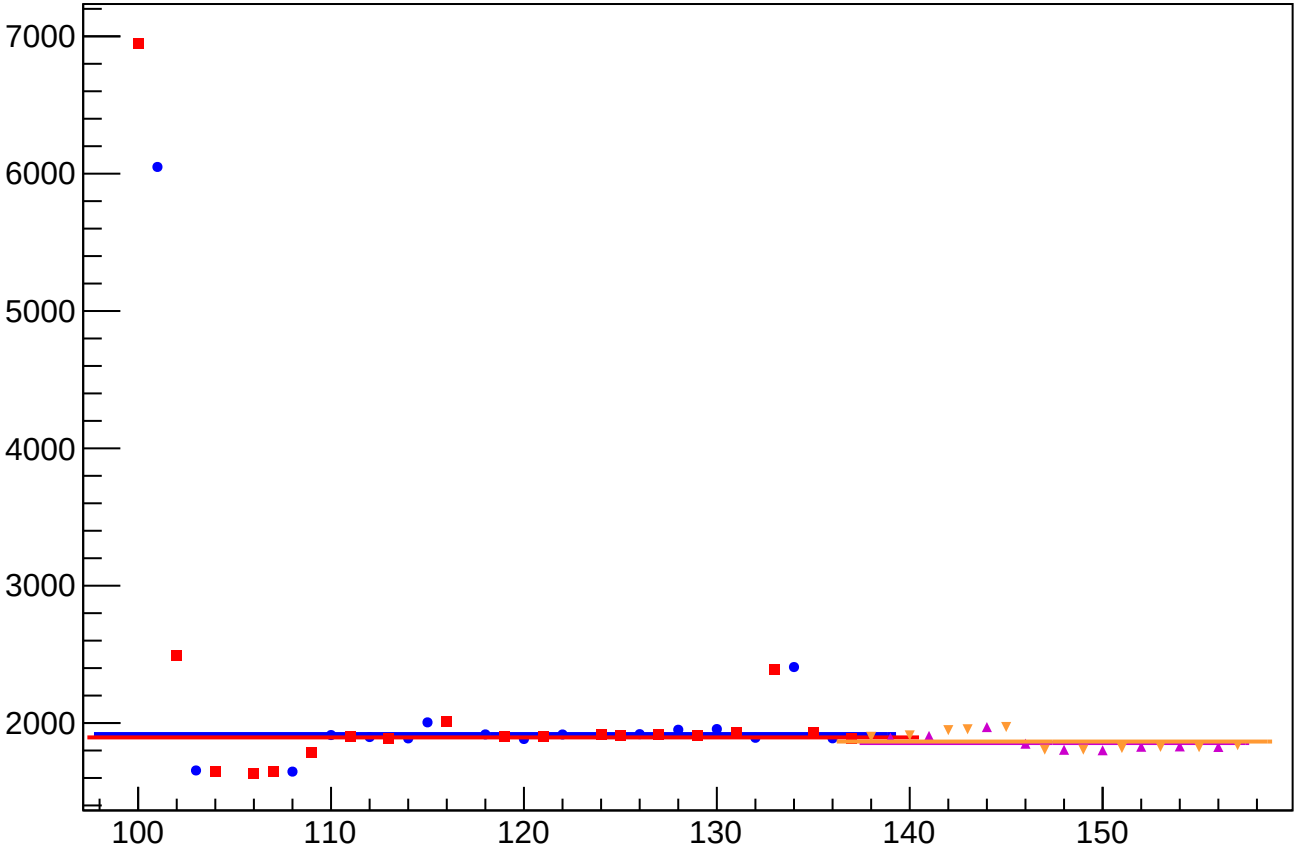
Left In: -3491.022+/-662.430 χ^2/NDF:13.8/8

+ sign 2275.679+/-478.563 χ^2/NDF: 25.2/26

All: -285.633+/-340.524 χ^2/NDF: 115.2/54

- sign -2912.434+/-484.643 χ^2/NDF: 32.0/27

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

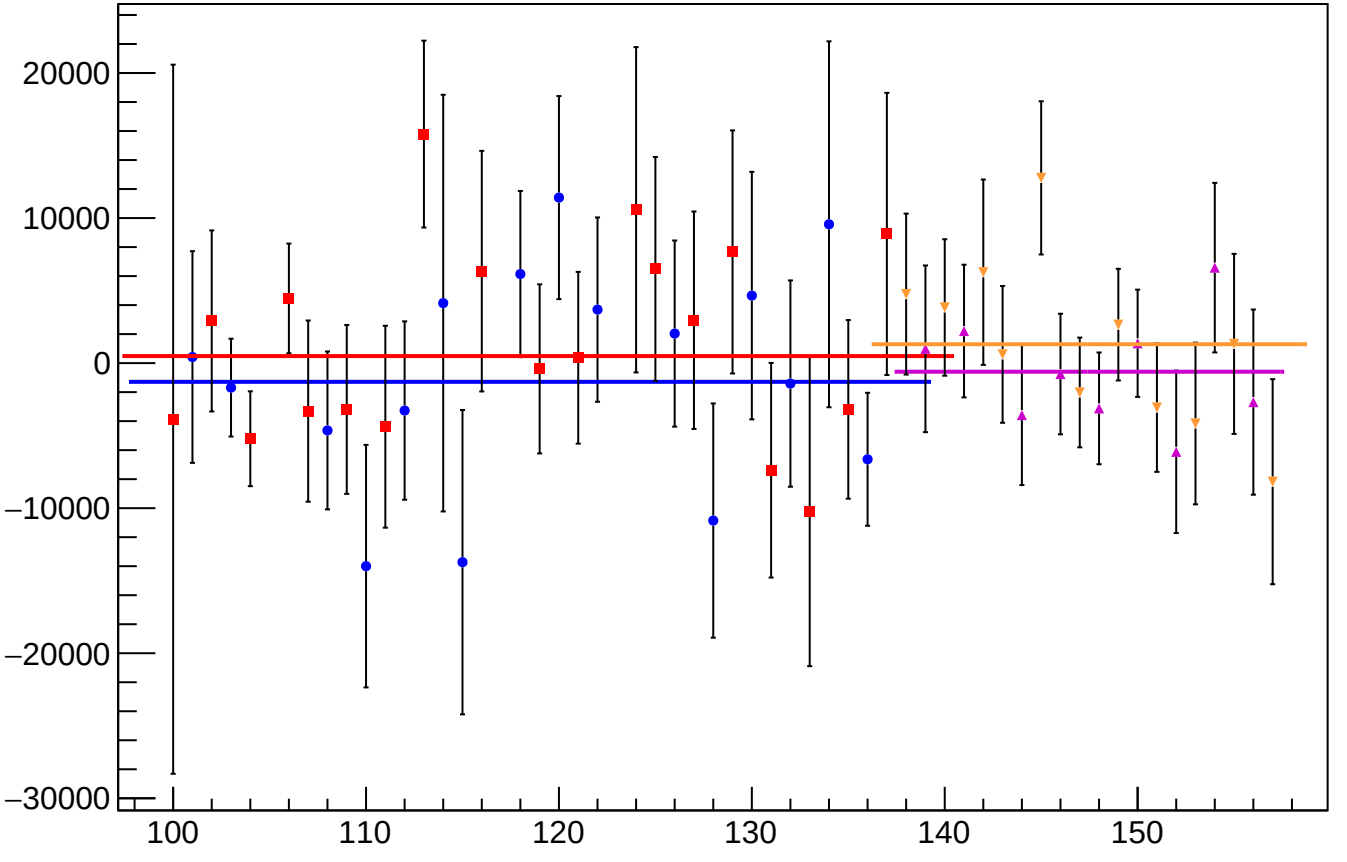
Left In: 1854.359+/-0.468 χ^2/NDF:12116.8/8

+ sign 1888.614+/-0.338 χ^2/NDF: 721476.4/26

All: 1881.133+/-0.241 χ^2/NDF: 960429.7/54

- sign 1873.485+/-0.342 χ^2/NDF: 237965.0/27

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1302.534+/-1491.736 χ^2/NDF:10.6/10

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

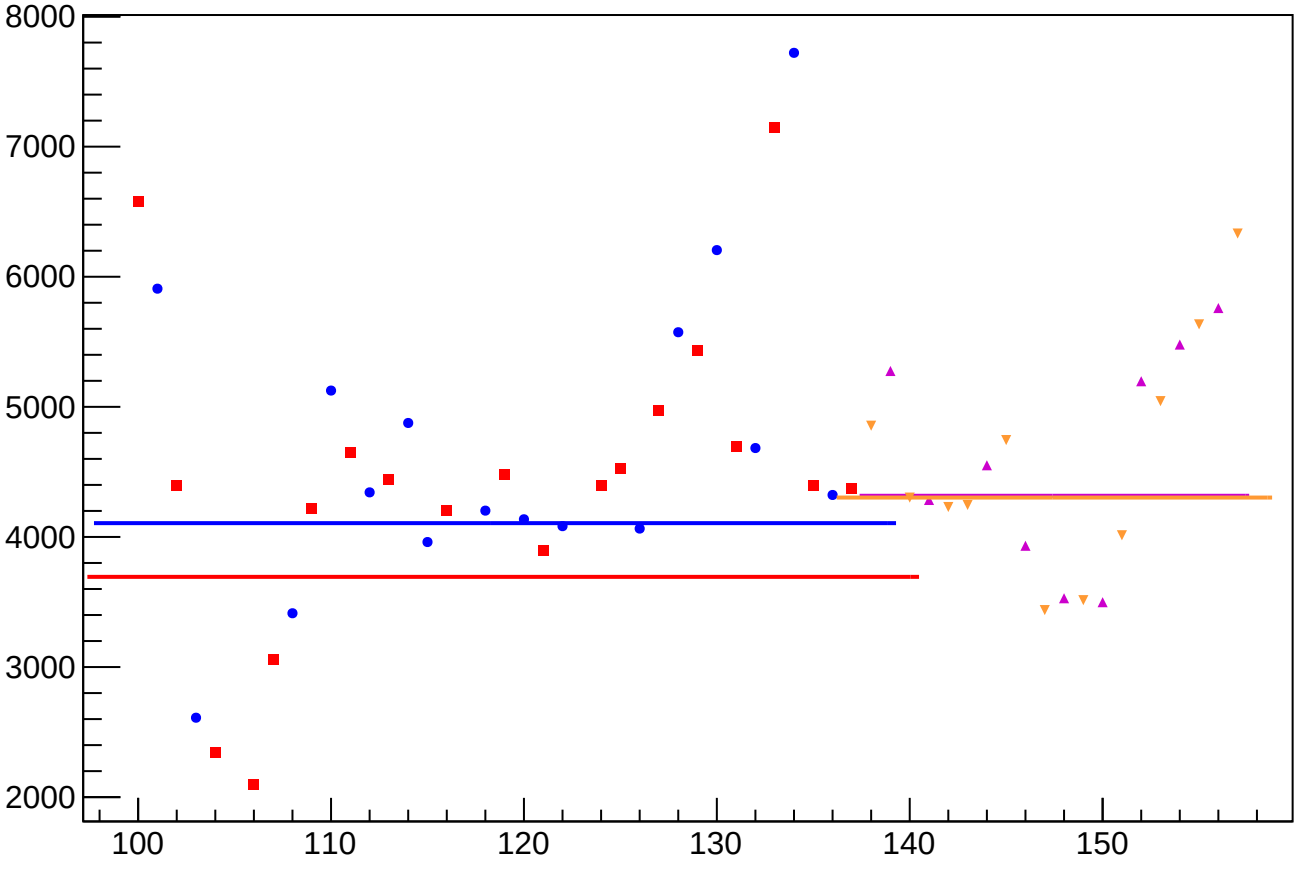
Left In: -592.981+/-1571.063 χ^2/NDF:4.1/8

+ sign 84.901+/-1086.431 χ^2/NDF: 26.3/26

All: 38.304+/-758.901 χ^2/NDF: 48.0/54

- sign -6.099+/-1060.533 χ^2/NDF: 21.6/27

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4302.773+/-1.055 χ^2/NDF:523681.1/10

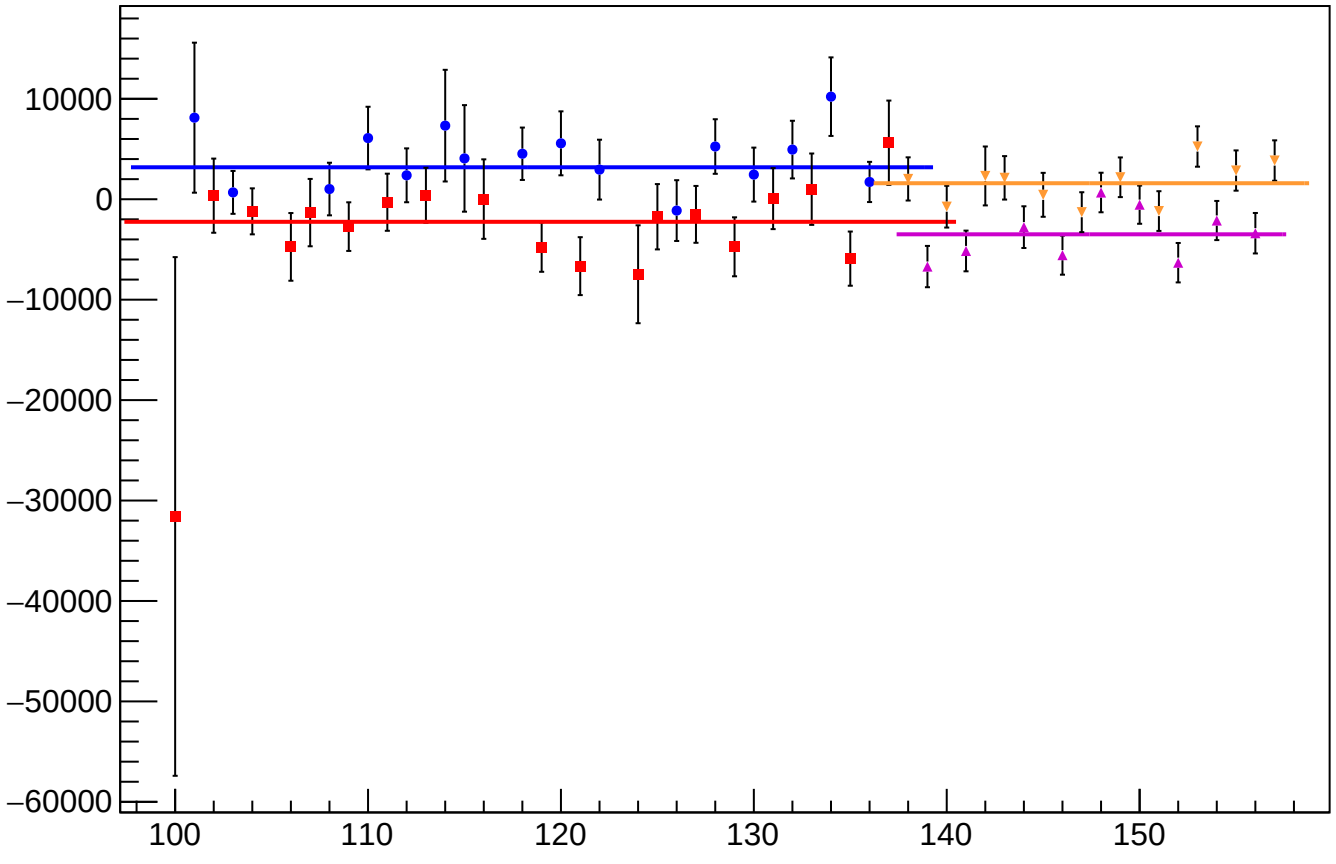
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4316.515+/-1.111 χ^2/NDF:489865.3/8

+ sign 4210.439+/-0.768 χ^2/NDF: 1496129.4/26

All: 4091.042+/-0.537 χ^2/NDF: 3561135.3/54

- sign 3977.269+/-0.750 χ^2/NDF: 2017832.9/27



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

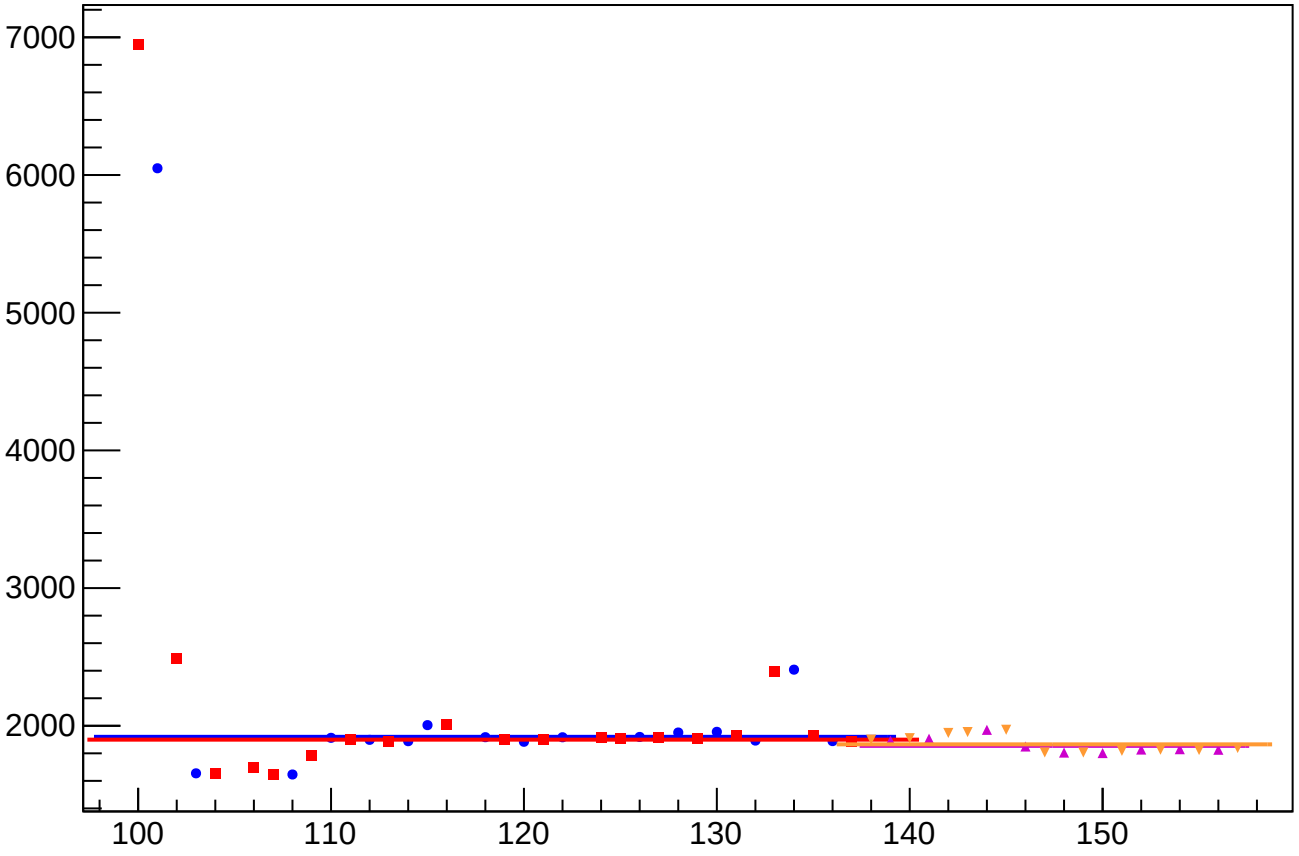
Left In: -3491.161+/-662.430 χ^2/NDF:13.8/8

+ sign 2275.331+/-478.563 χ^2/NDF: 25.2/26

All: -286.102+/-340.525 χ^2/NDF: 115.2/54

- sign -2913.041+/-484.644 χ^2/NDF: 32.0/27

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

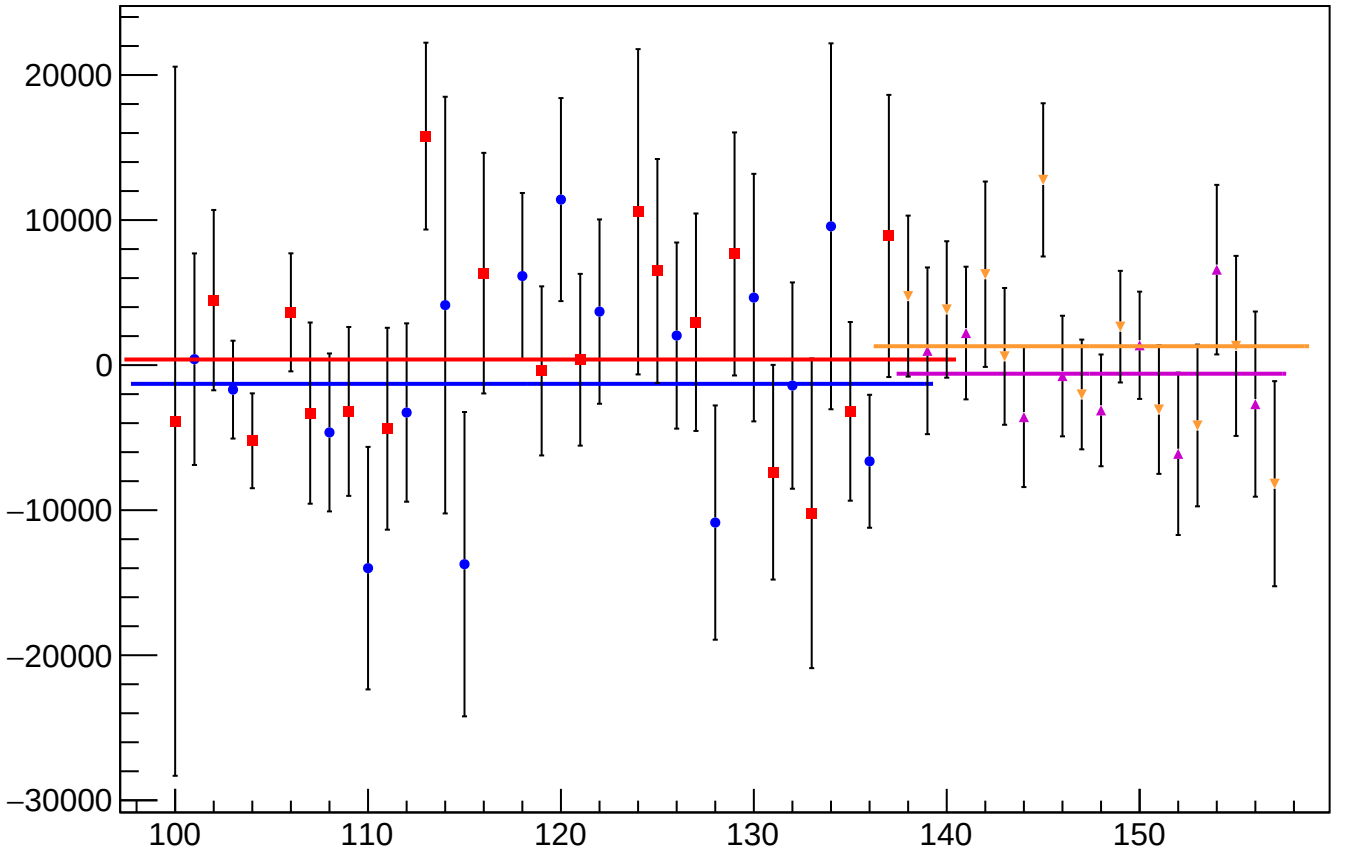
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1854.359+/-0.468 χ^2/NDF:12116.8/8

\+ sign 1888.614+/-0.338 χ^2/NDF: 721475.6/26

All: 1882.041+/-0.241 χ^2/NDF: 954307.6/54

\- sign 1875.310+/-0.342 χ^2/NDF: 232068.3/27



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

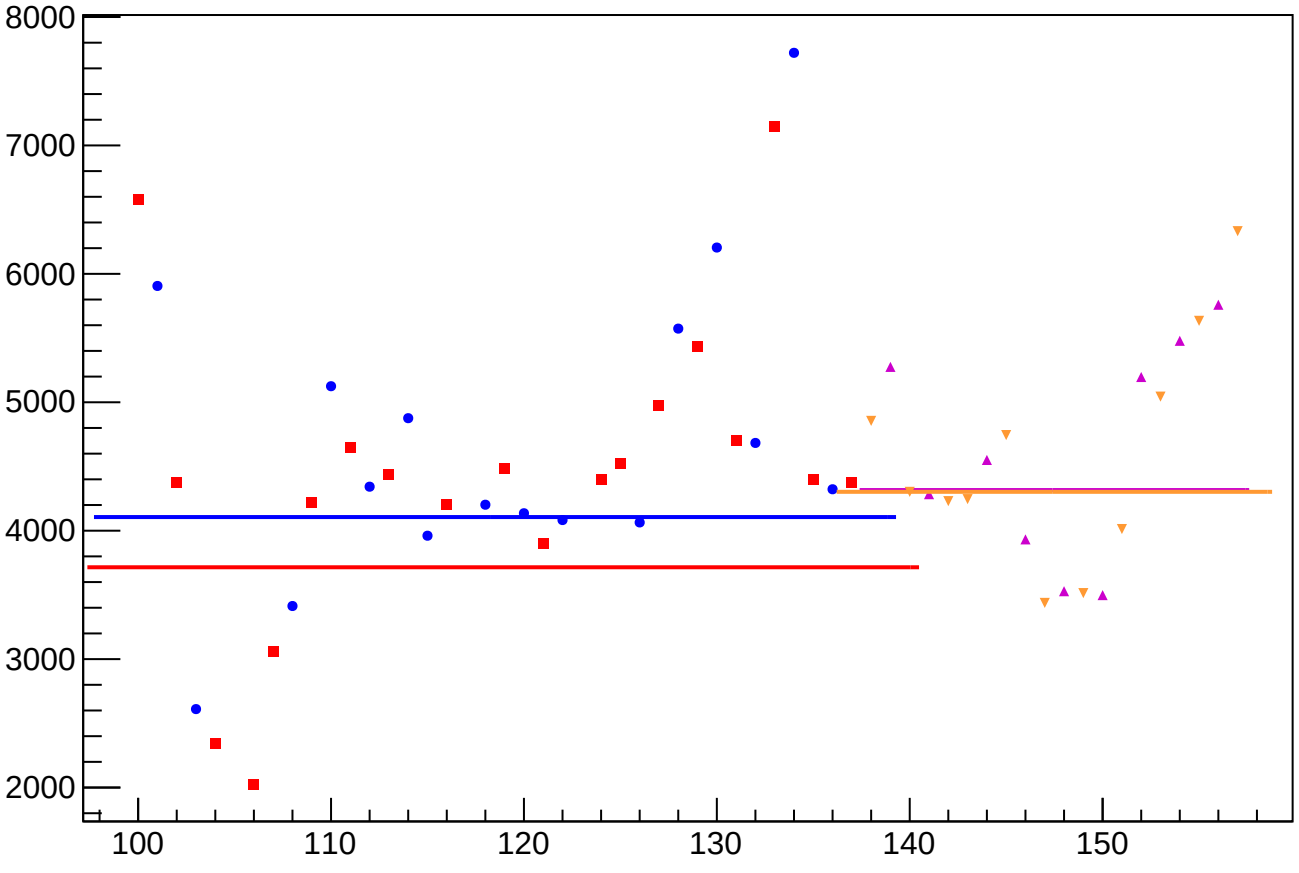
Left In: -593.050+/-1571.065 χ^2/NDF:4.1/8

\+ sign 84.705+/-1086.430 χ^2/NDF: 26.3/26

All: 8.957+/-760.949 χ^2/NDF: 47.7/54

\- sign -63.989+/-1066.144 χ^2/NDF: 21.3/27

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

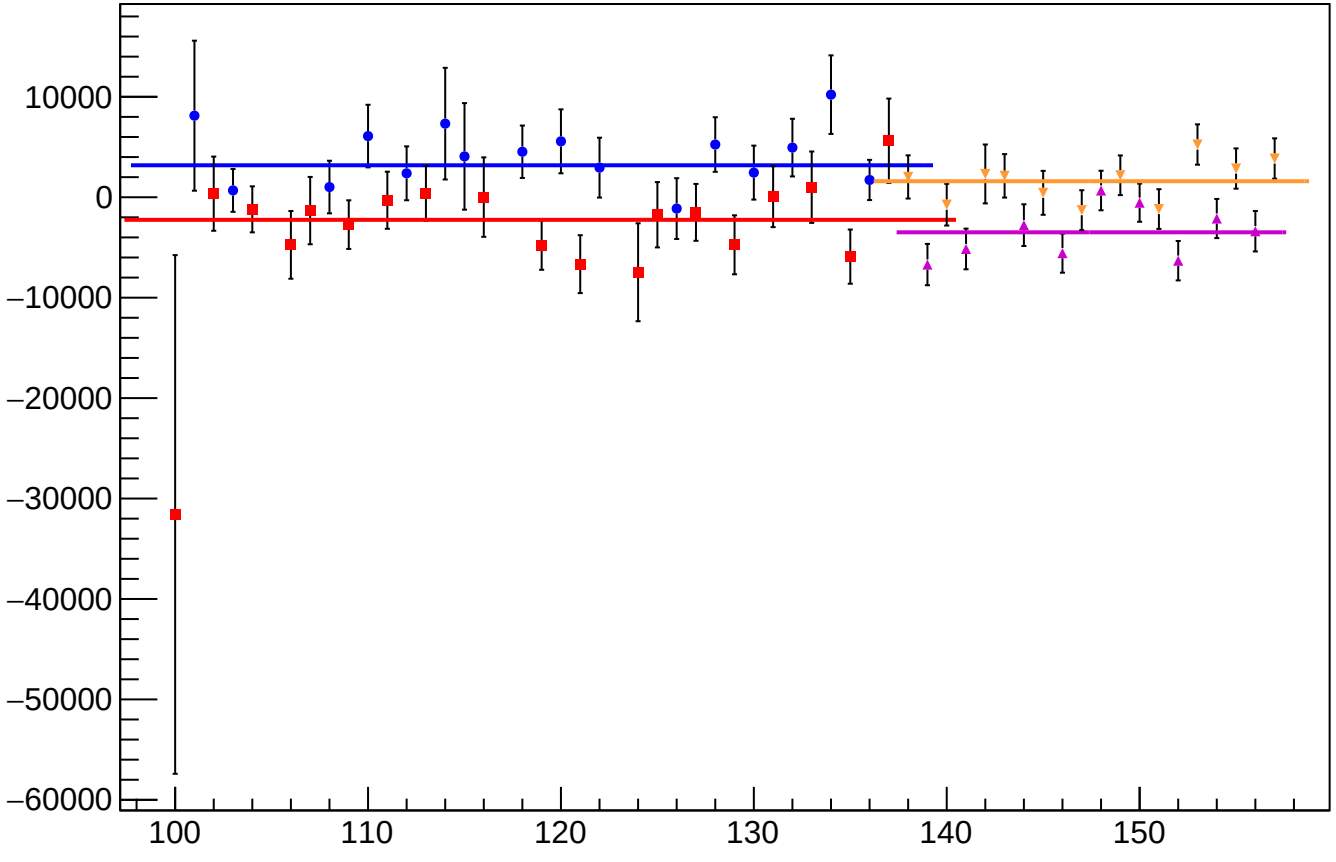
Left In: 4316.521+/-1.111 χ^2/NDF:489860.1/8

+ sign 4210.475+/-0.768 χ^2/NDF: 1495623.3/26

All: 4099.239+/-0.538 χ^2/NDF: 3519803.7/54

- sign 3992.119+/-0.754 χ^2/NDF: 1983024.0/27

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1594.977+/-633.004 χ^2/NDF:10.8/10

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

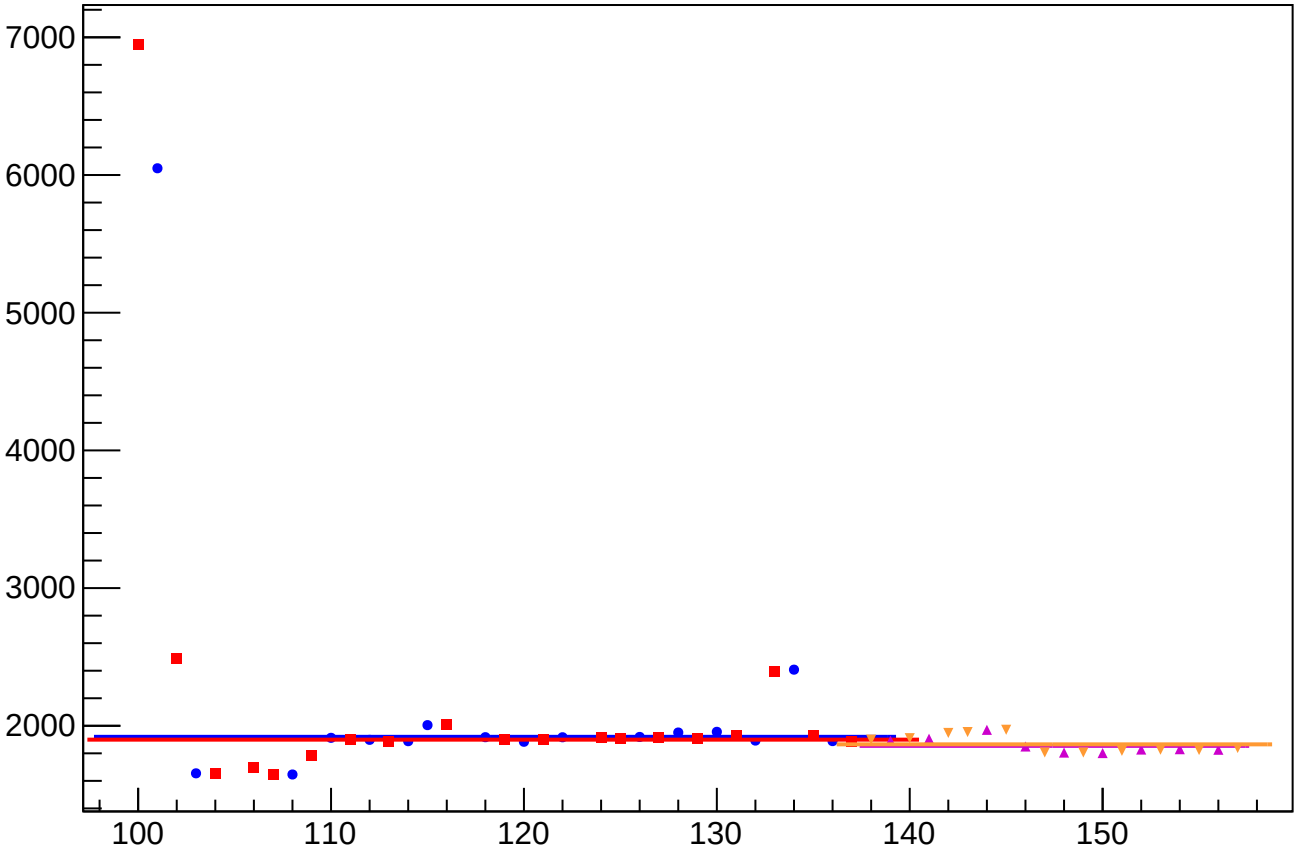
Left In: -3491.161+/-662.430 χ^2/NDF:13.8/8

+ sign 2275.331+/-478.563 χ^2/NDF: 25.2/26

All: -286.102+/-340.525 χ^2/NDF: 115.2/54

- sign -2913.041+/-484.644 χ^2/NDF: 32.0/27

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1865.217+/-0.448 χ^2/NDF:17767.5/10

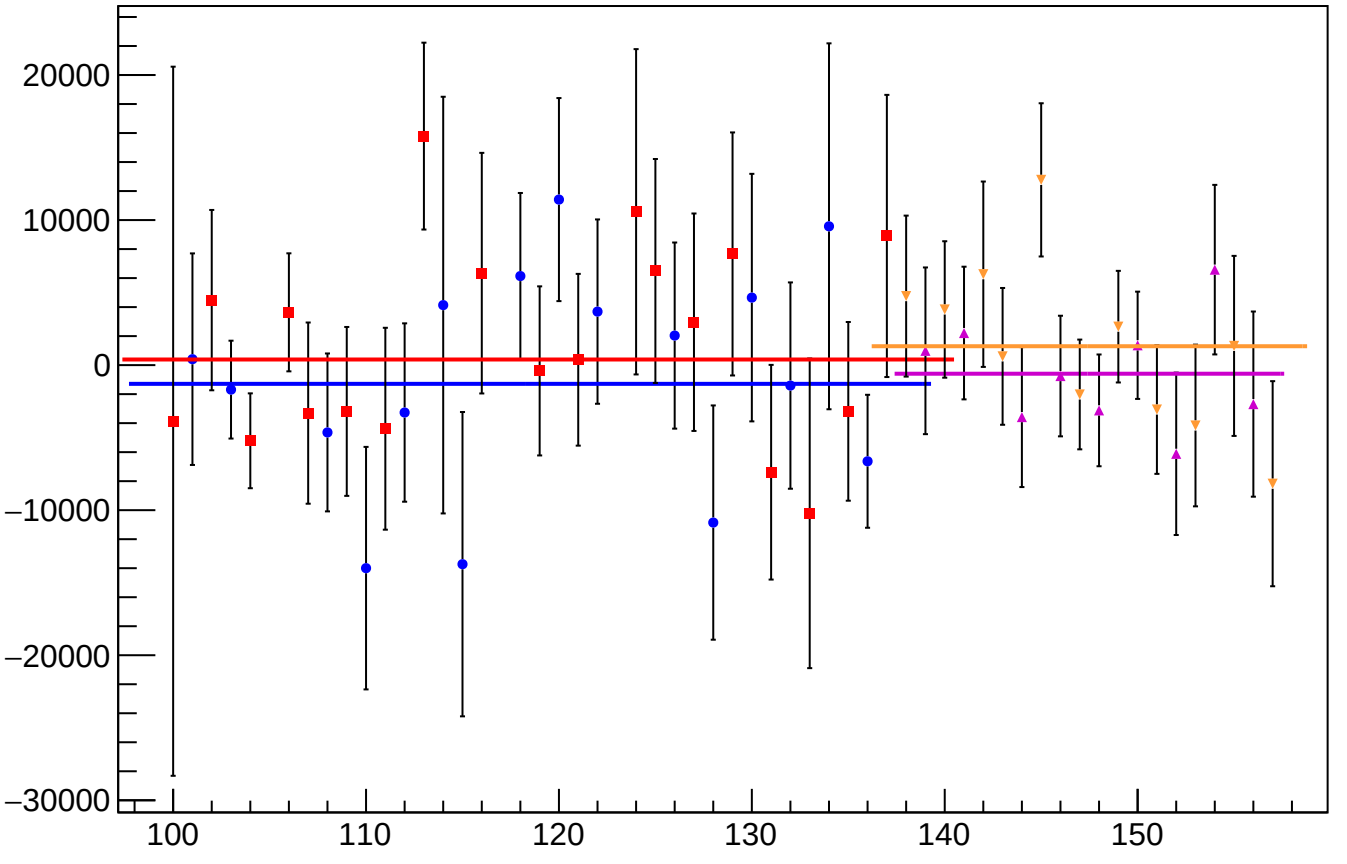
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1854.359+/-0.468 χ^2/NDF:12116.8/8

+ sign 1888.614+/-0.338 χ^2/NDF: 721475.6/26

All: 1882.041+/-0.241 χ^2/NDF: 954307.6/54

- sign 1875.310+/-0.342 χ^2/NDF: 232068.3/27



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1302.478+/-1491.732 χ^2/NDF:10.6/10

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

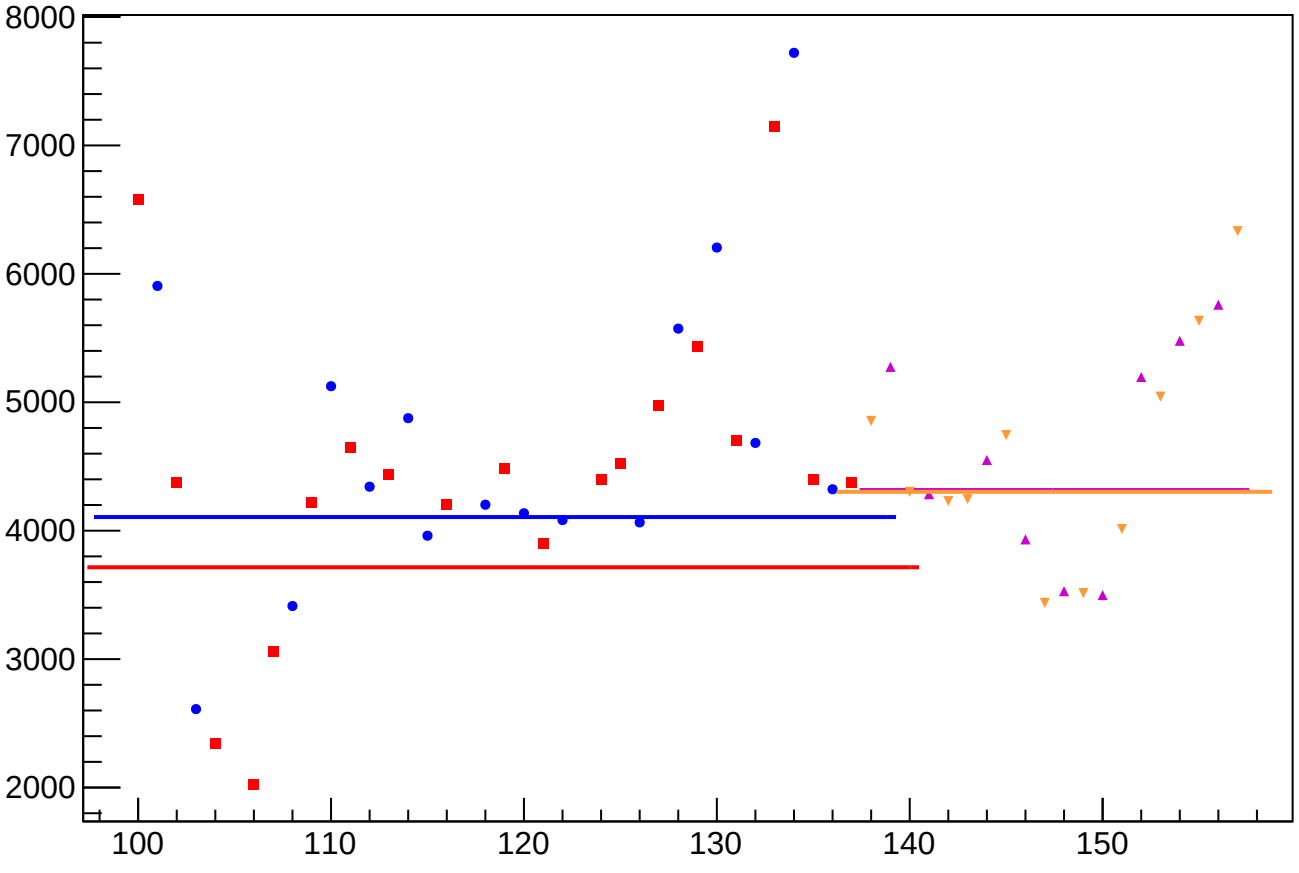
Left In: -593.050+/-1571.065 χ^2/NDF:4.1/8

+ sign 84.705+/-1086.430 χ^2/NDF: 26.3/26

All: 8.957+/-760.949 χ^2/NDF: 47.7/54

- sign -63.989+/-1066.144 χ^2/NDF: 21.3/27

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4302.758+/-1.055 χ^2/NDF:523692.2/10

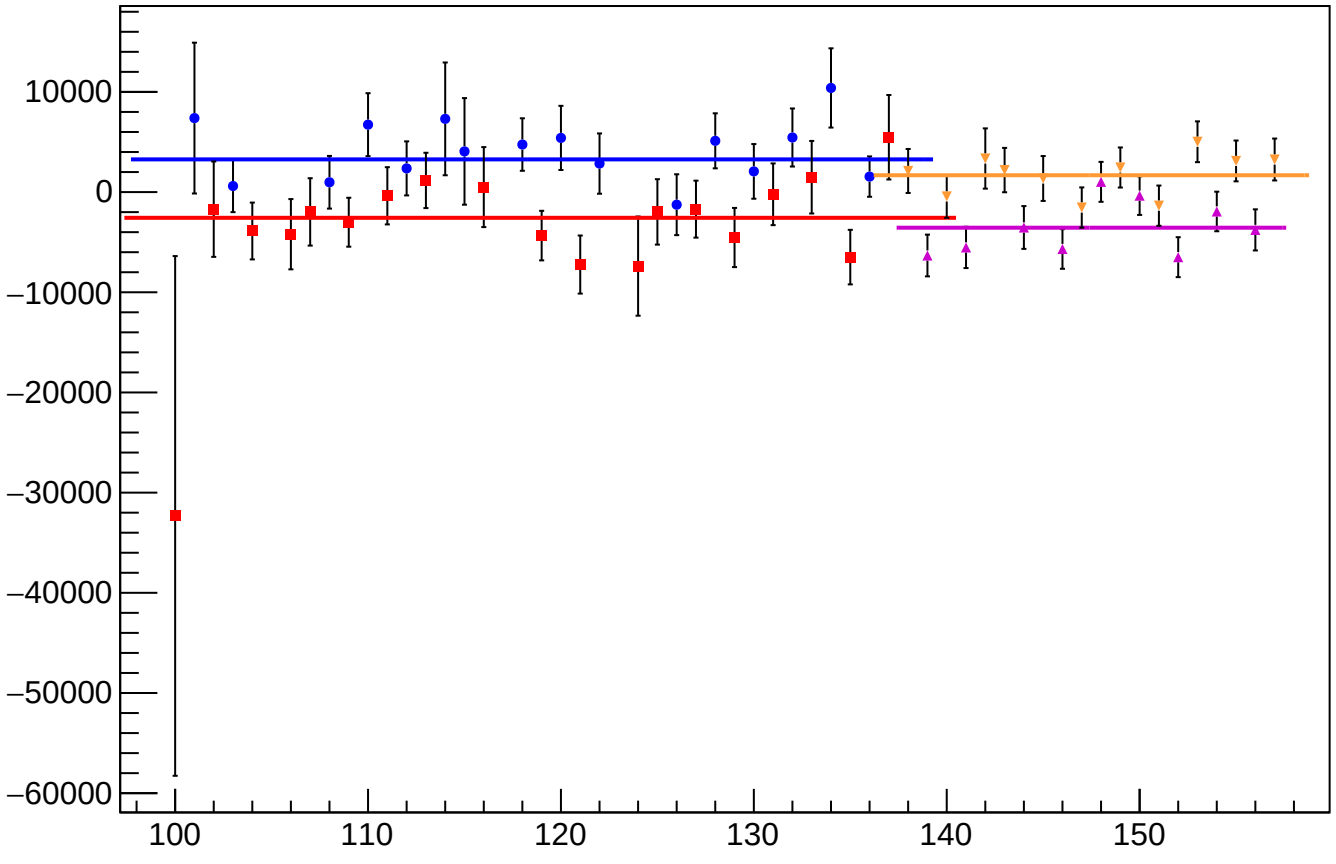
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4316.521+/-1.111 χ^2/NDF:489860.1/8

+ sign 4210.475+/-0.768 χ^2/NDF: 1495623.3/26

All: 4099.239+/-0.538 χ^2/NDF: 3519803.7/54

- sign 3992.119+/-0.754 χ^2/NDF: 1983024.0/27



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.834+/-645.888 χ^2/NDF:10.2/10

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

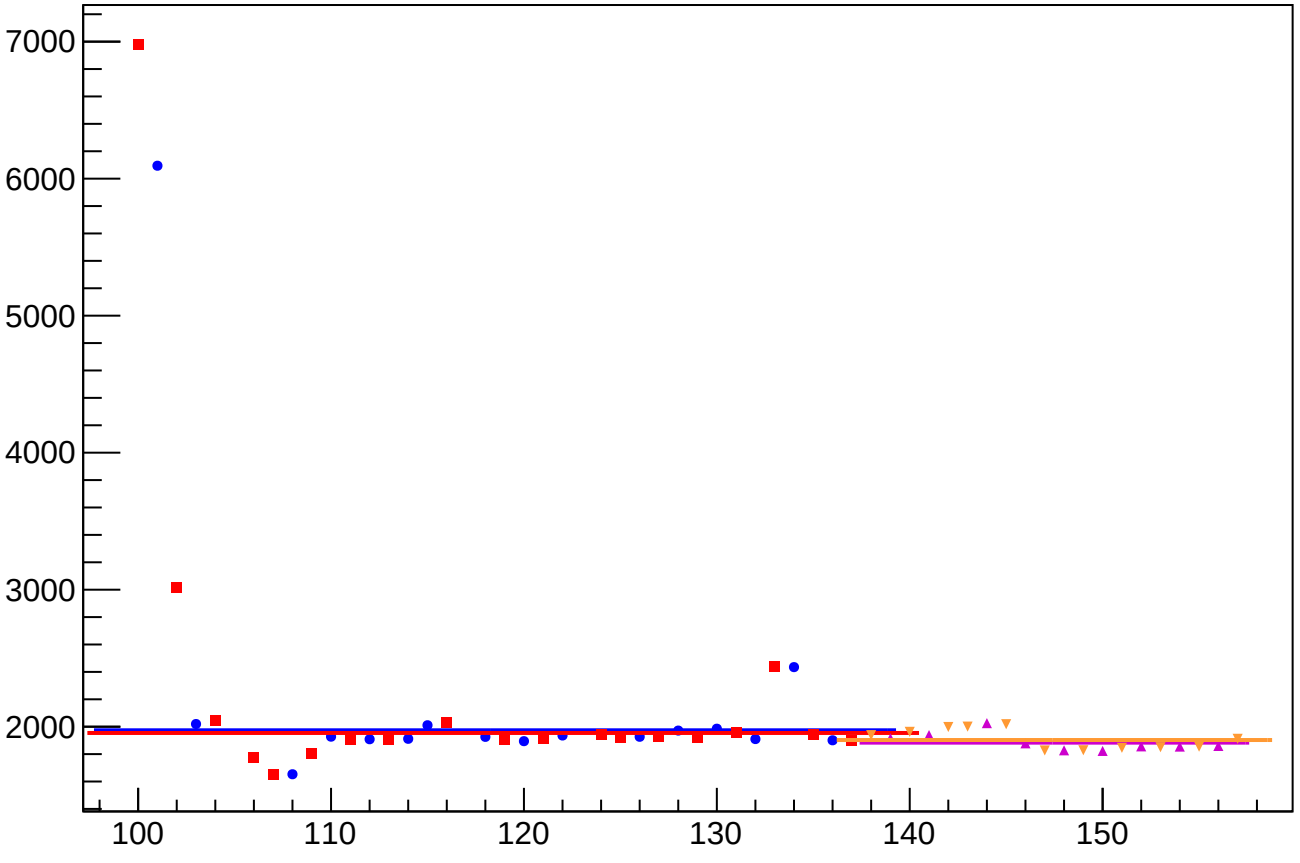
Left In: -3555.002+/-673.019 χ^2/NDF:14.7/8

+ sign 2354.944+/-489.656 χ^2/NDF: 24.9/26

All: -337.689+/-348.574 χ^2/NDF: 118.9/54

- sign -3104.181+/-496.326 χ^2/NDF: 32.7/27

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1902.797+/-0.457 χ^2/NDF:23042.5/10

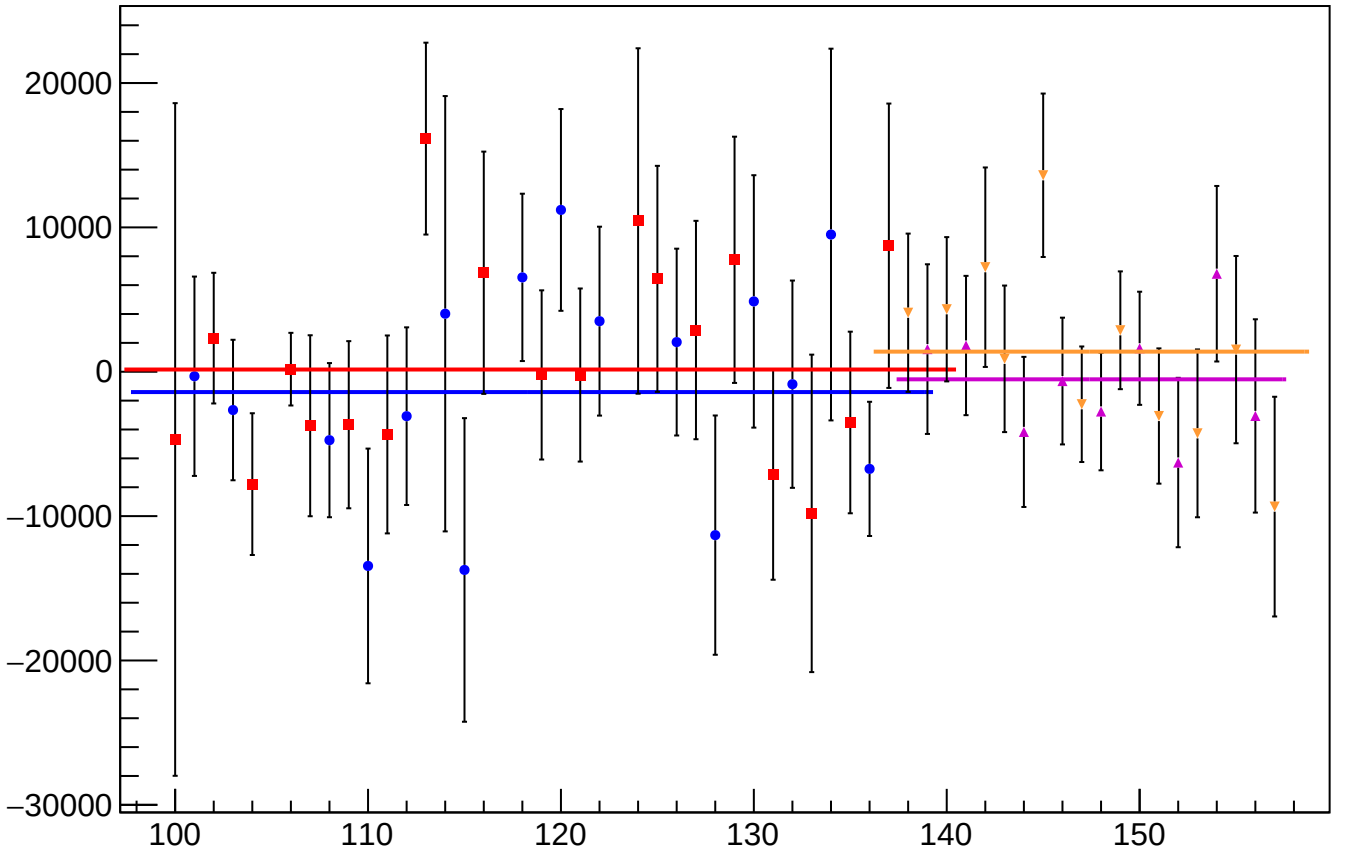
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1883.761+/-0.476 χ^2/NDF:15419.2/8

+ sign 1932.970+/-0.346 χ^2/NDF: 698430.2/26

All: 1924.589+/-0.246 χ^2/NDF: 971290.3/54

- sign 1915.986+/-0.351 χ^2/NDF: 271672.8/27



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1393.888+/-1575.251 χ^2/NDF:10.8/10

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

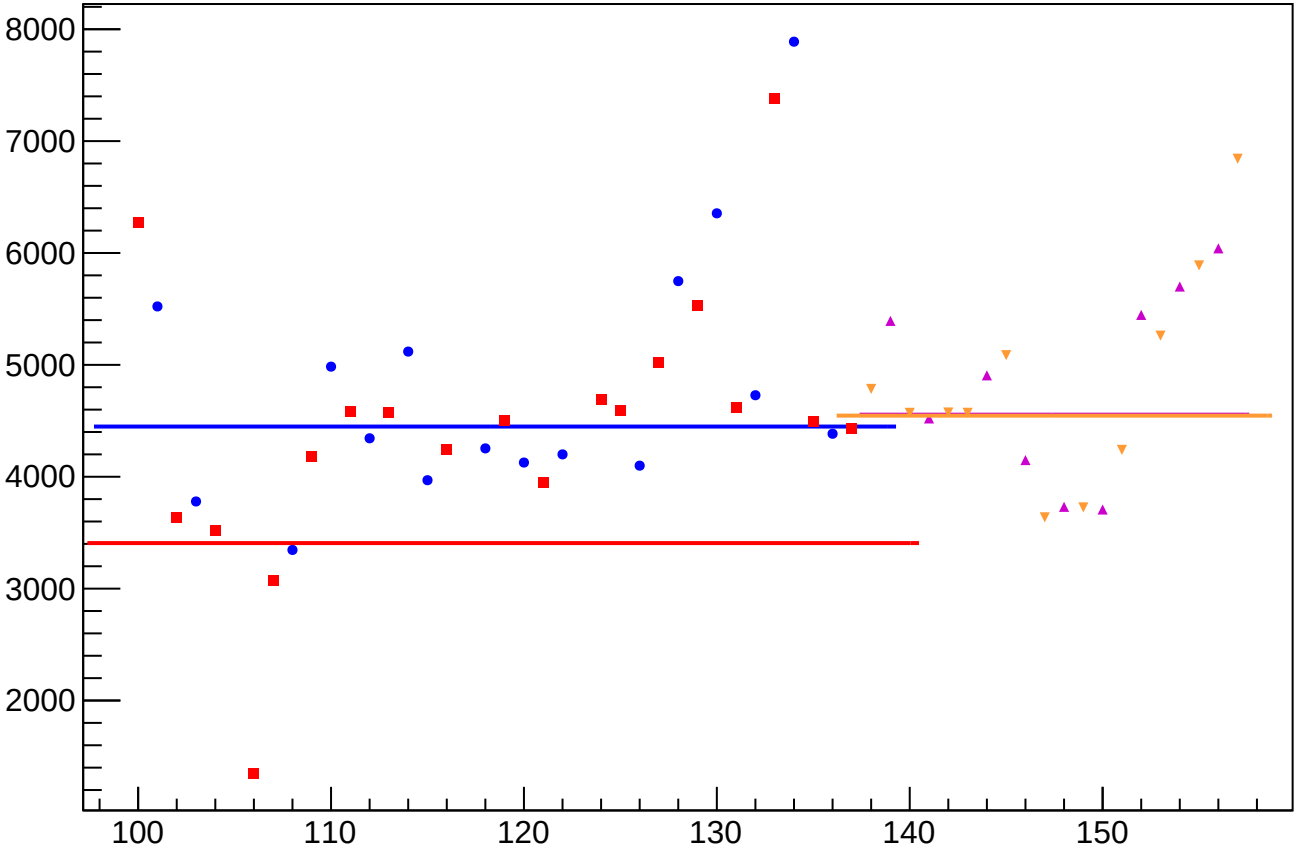
Left In: -524.704+/-1656.133 χ^2/NDF:4.0/8

\+ sign 91.566+/-1152.300 χ^2/NDF: 26.5/26

All: -23.463+/-777.206 χ^2/NDF: 46.4/54

\- sign -119.467+/-1052.709 χ^2/NDF: 19.9/27

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4546.435+/-1.114 χ^2/NDF:512869.5/10

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

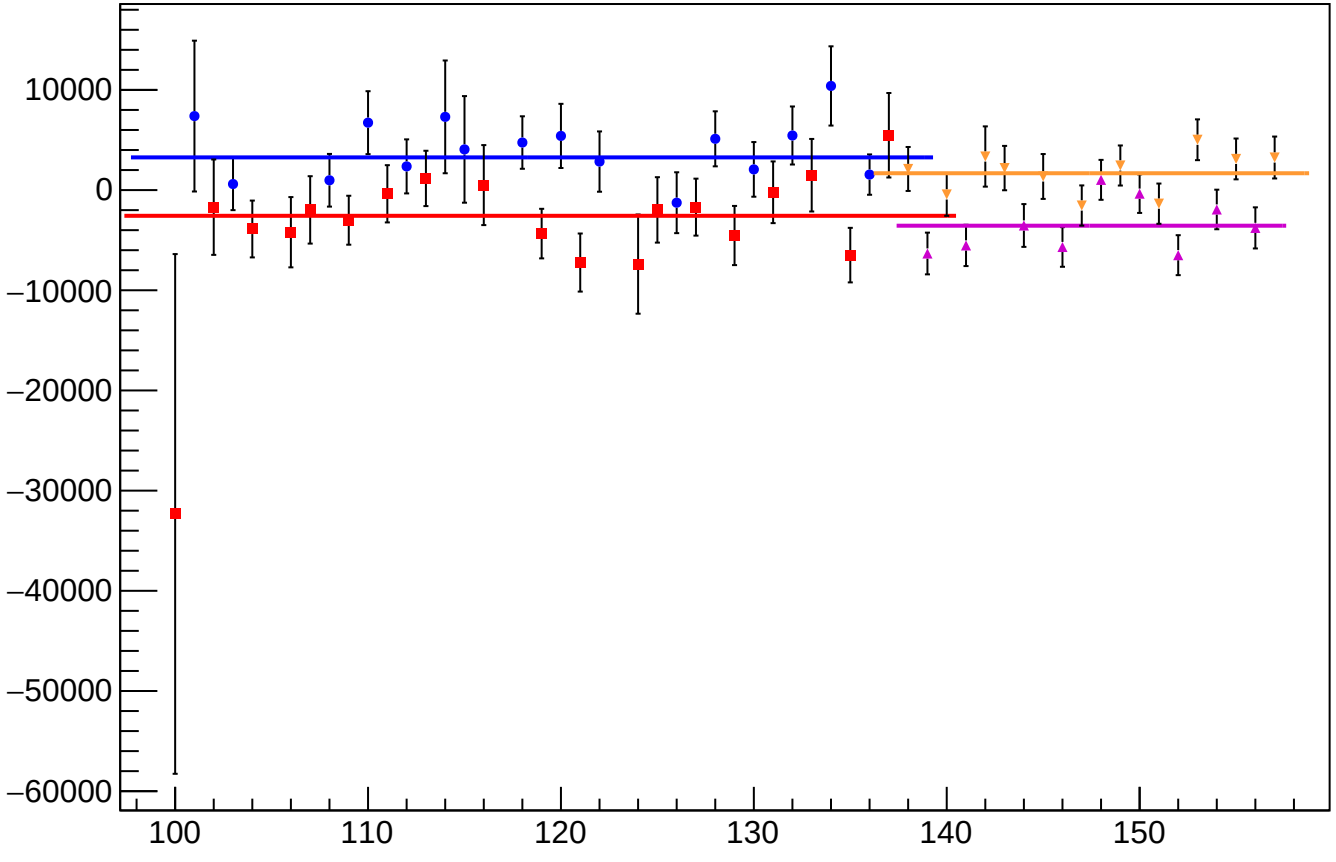
Left In: 4554.894+/-1.171 χ^2/NDF:458129.6/8

+ sign 4501.003+/-0.815 χ^2/NDF: 1011061.4/26

All: 4157.536+/-0.550 χ^2/NDF: 4693731.2/54

- sign 3870.873+/-0.744 χ^2/NDF: 3356672.9/27

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1681.830+/-645.888 χ^2/NDF:10.2/10

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

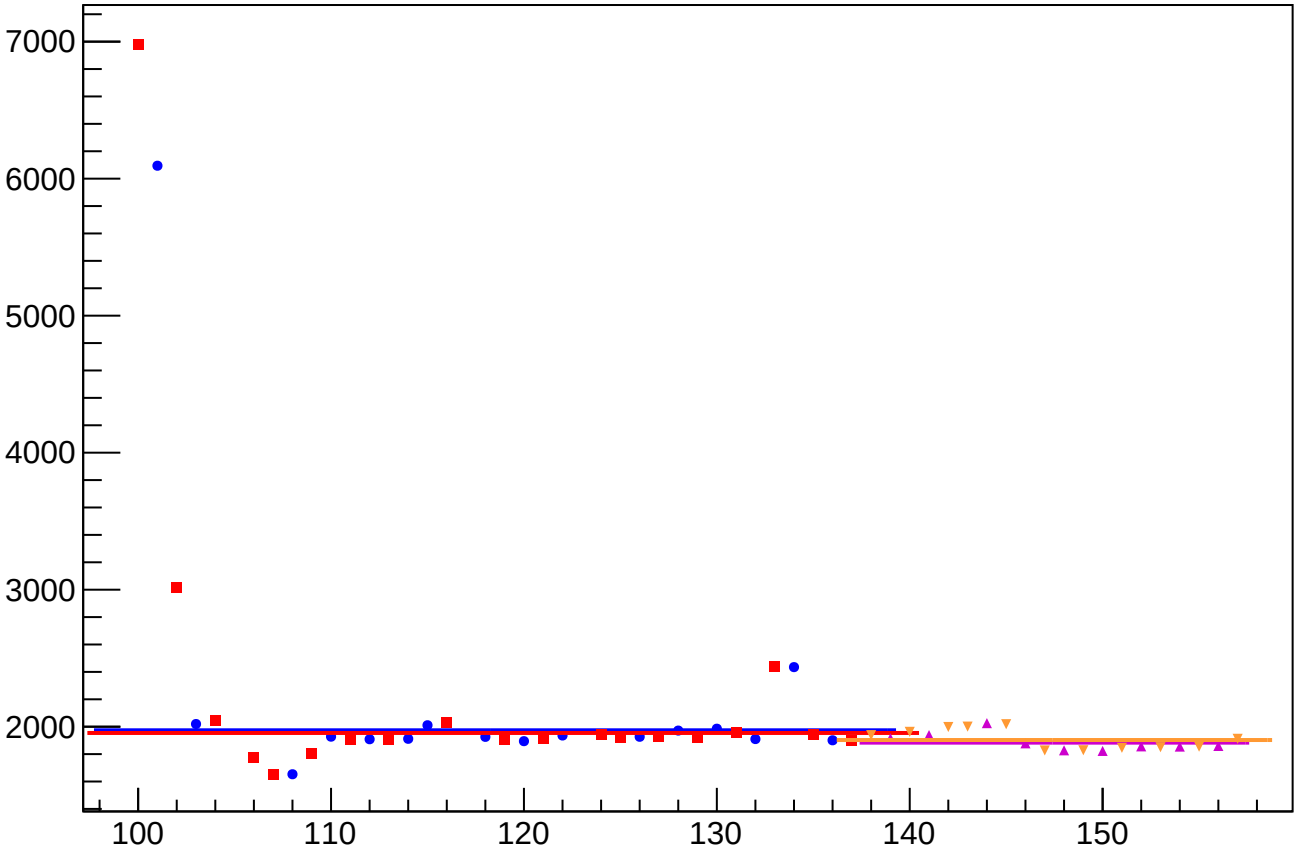
Left In: -3554.999+/-673.019 χ^2/NDF:14.7/8

+ sign 2354.944+/-489.656 χ^2/NDF: 24.9/26

All: -337.689+/-348.574 χ^2/NDF: 118.9/54

- sign -3104.182+/-496.326 χ^2/NDF: 32.7/27

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1902.797+/-0.457 χ^2/NDF:23042.7/10

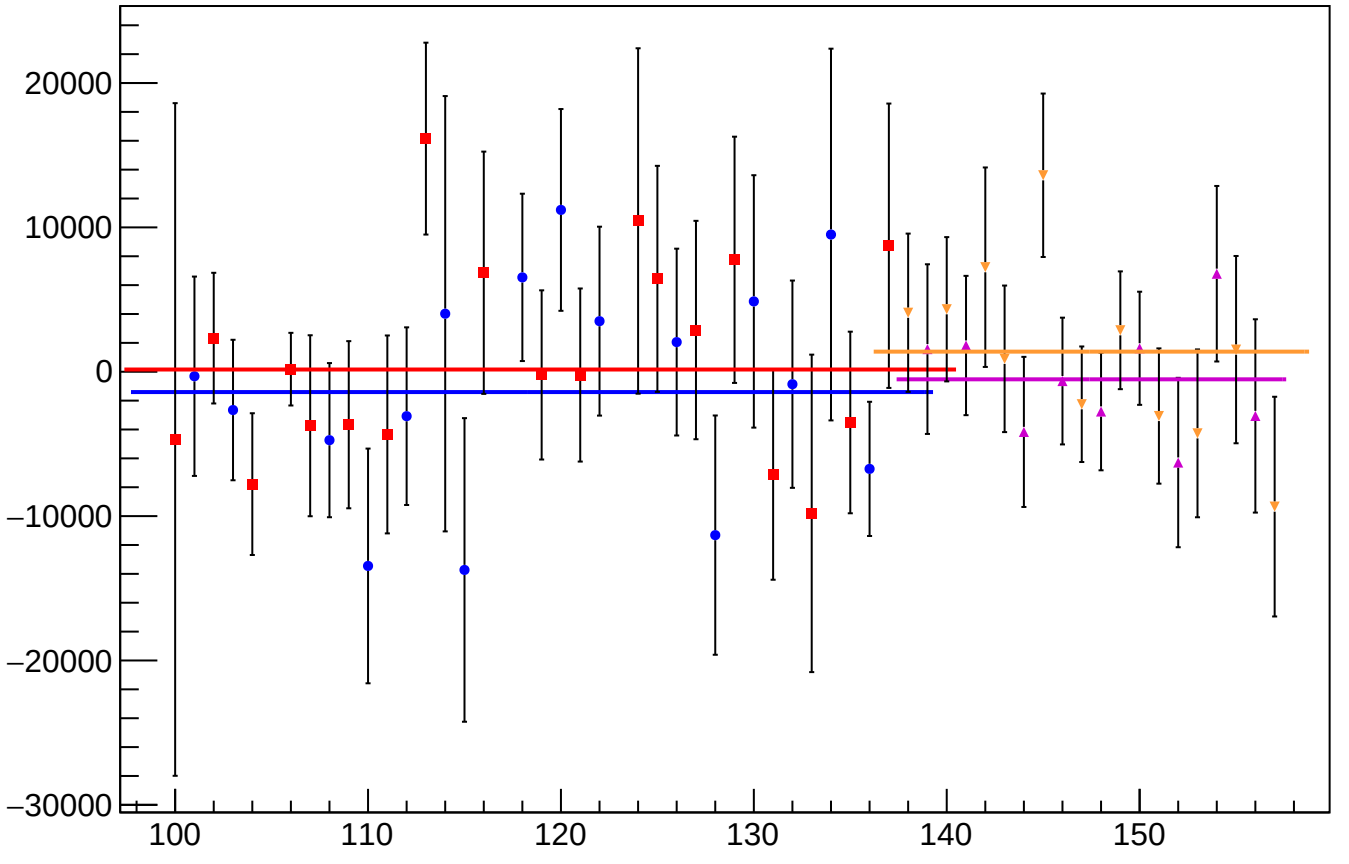
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1883.762+/-0.476 χ^2/NDF:15419.2/8

+ sign 1932.970+/-0.346 χ^2/NDF: 698430.1/26

All: 1924.590+/-0.246 χ^2/NDF: 971289.5/54

- sign 1915.986+/-0.351 χ^2/NDF: 271672.1/27



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 1393.883+/-1575.253 χ^2/NDF:10.8/10

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

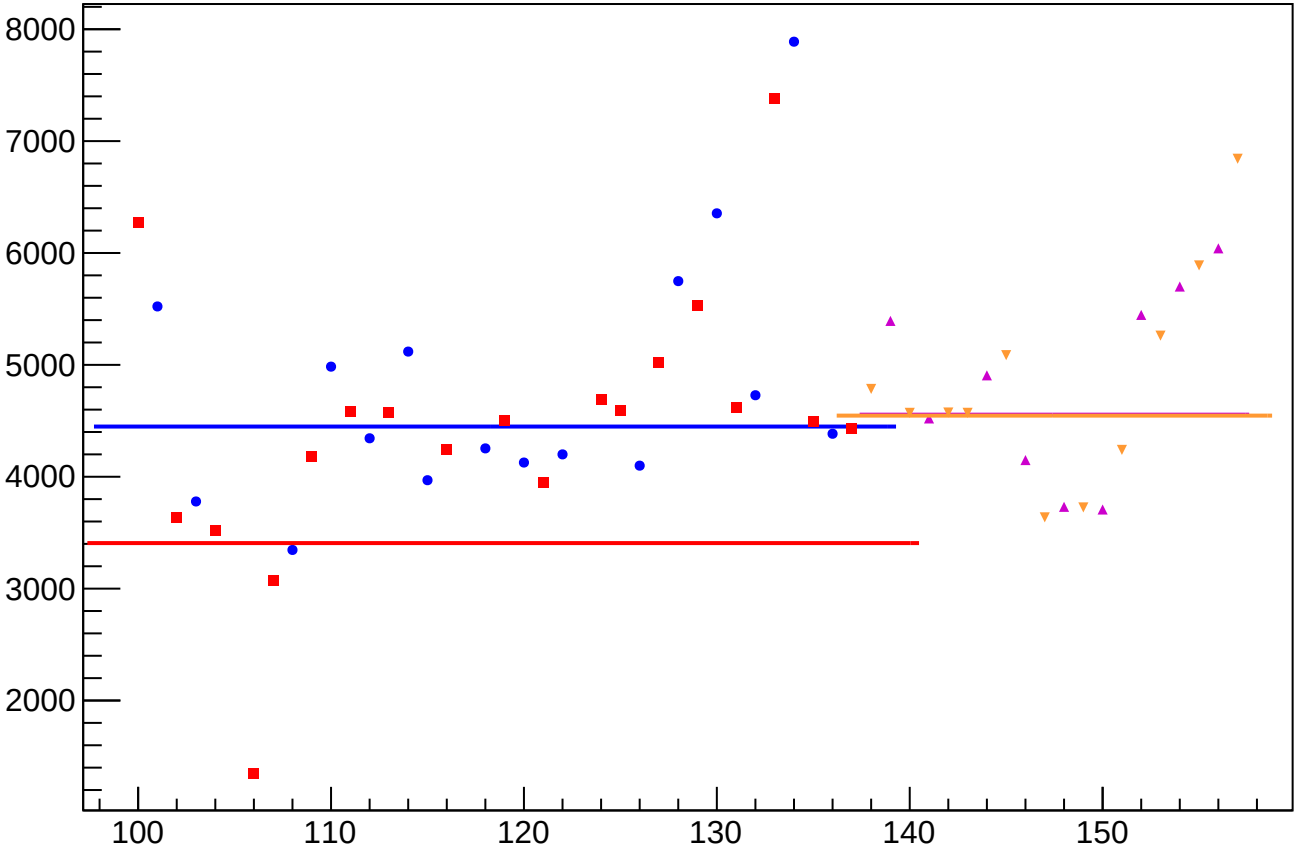
Left In: -524.700+/-1656.135 χ^2/NDF:4.0/8

\+ sign 91.568+/-1152.300 χ^2/NDF: 26.5/26

All: -23.460+/-777.205 χ^2/NDF: 46.4/54

\- sign -119.464+/-1052.708 χ^2/NDF: 19.9/27

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4546.441+/-1.114 χ^2/NDF:512867.7/10

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

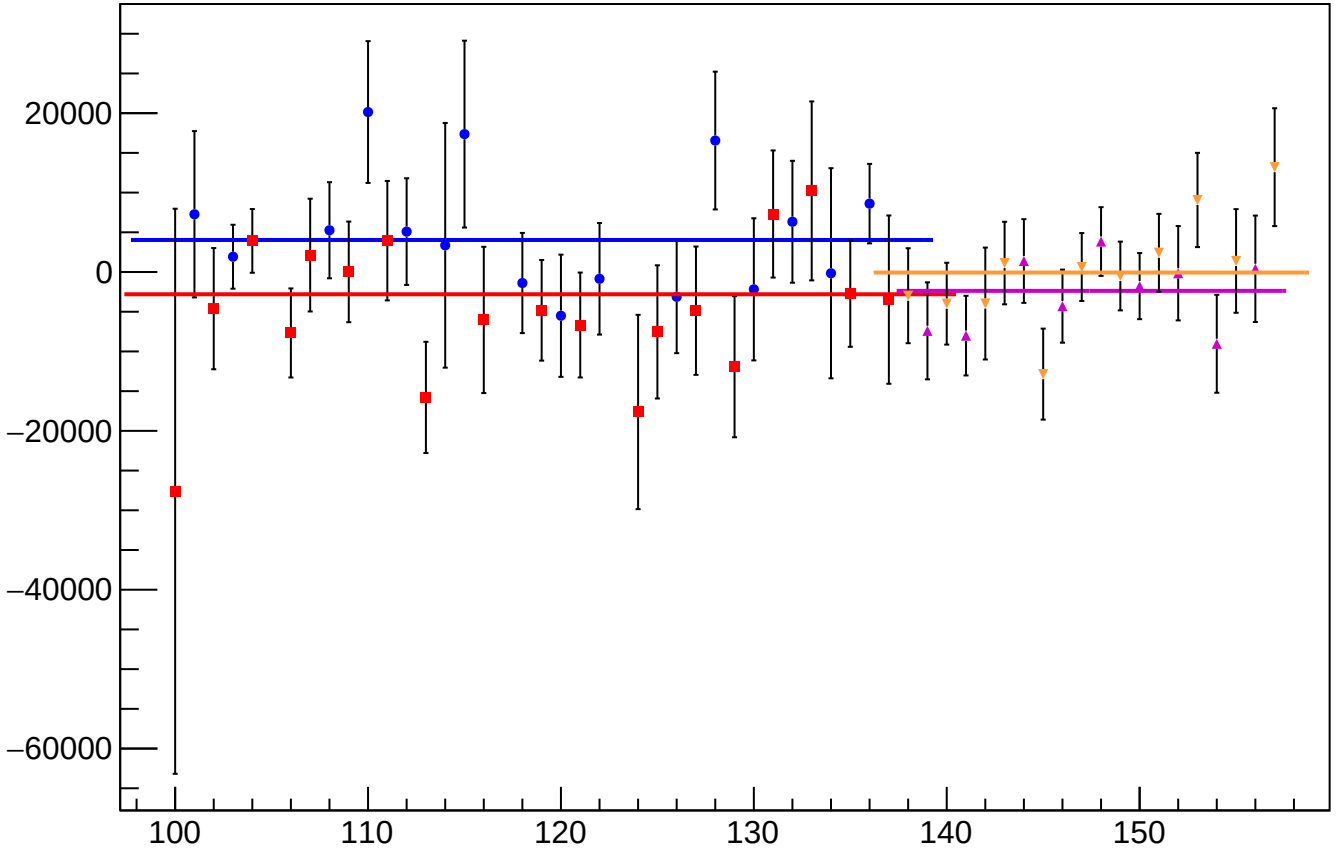
Left In: 4554.901+/-1.171 χ^2/NDF:458126.9/8

+ sign 4501.002+/-0.815 χ^2/NDF: 1011057.8/26

All: 4157.533+/-0.550 χ^2/NDF: 4693747.6/54

- sign 3870.869+/-0.744 χ^2/NDF: 3356688.4/27

asym_atr_avg_mean vs Slug



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -66.358+/-1637.274 χ^2/NDF:12.1/10

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

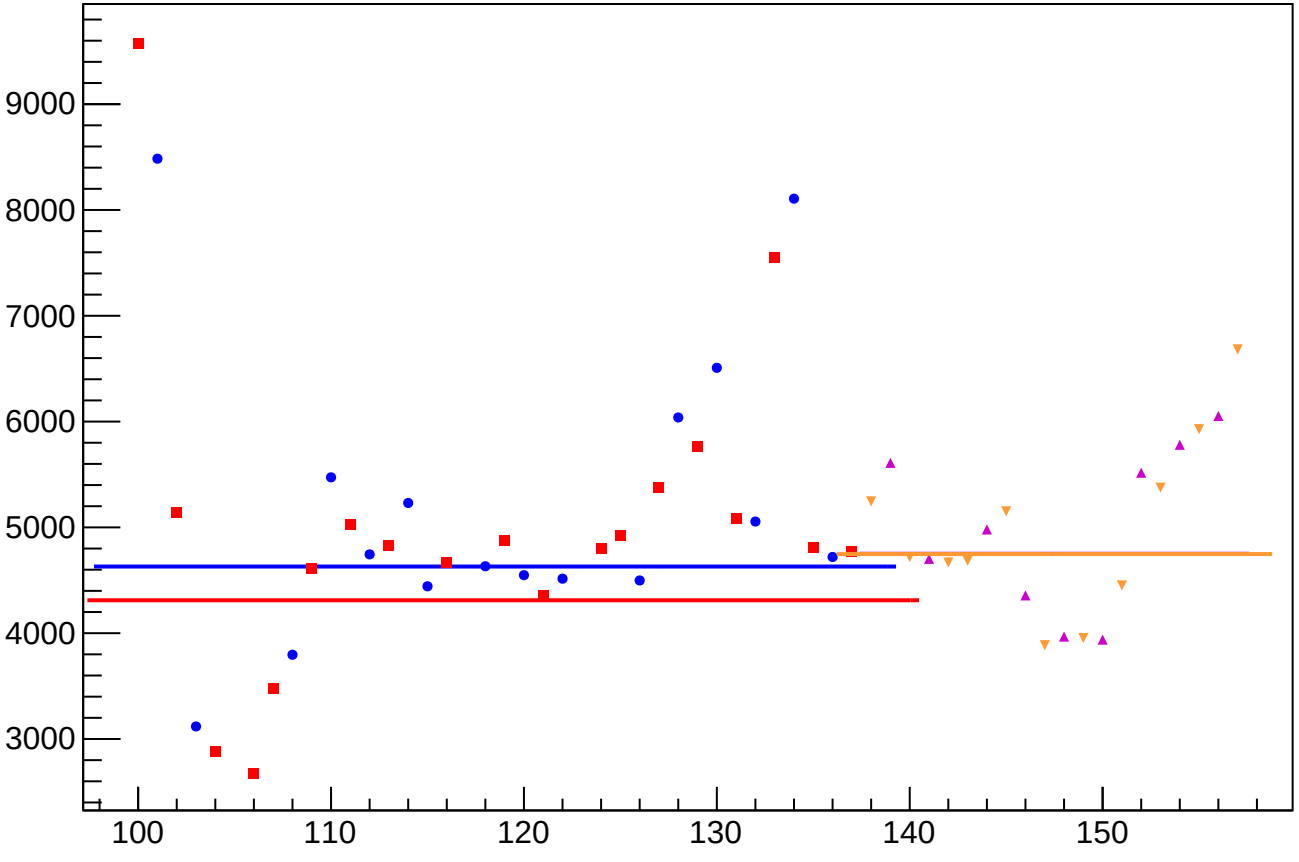
Left In: -2371.291+/-1720.499 χ^2/NDF:6.2/8

\+ sign 1810.805+/-1205.660 χ^2/NDF: 27.3/26

All: -402.797+/-850.172 χ^2/NDF: 55.6/54

\- sign -2592.070+/-1199.016 χ^2/NDF: 21.7/27

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4747.923+/-1.158 χ^2/NDF:403763.2/10

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

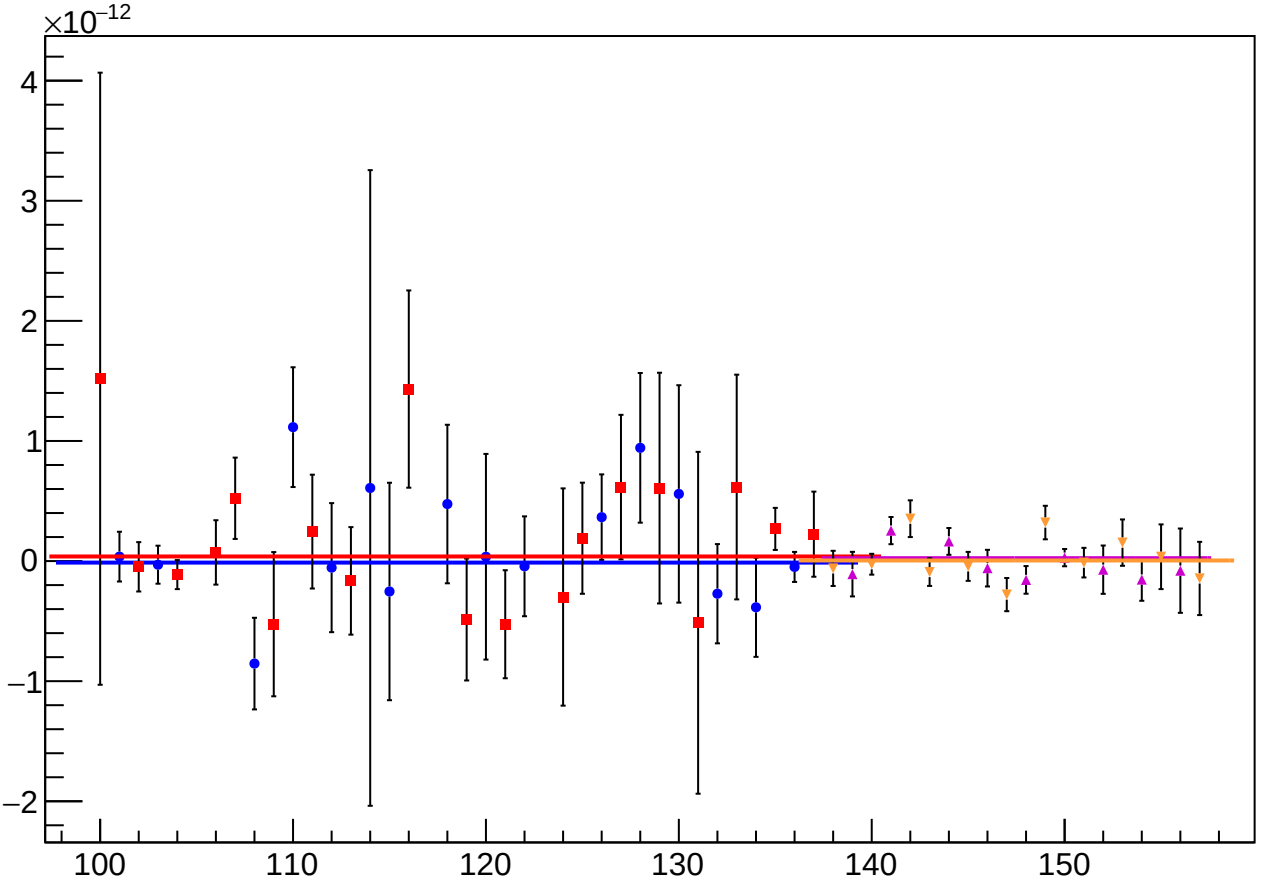
Left In: 4750.754+/-1.217 χ^2/NDF:364179.6/8

+ sign 4693.930+/-0.853 χ^2/NDF: 1308761.2/26

All: 4607.498+/-0.600 χ^2/NDF: 2665733.0/54

- sign 4522.780+/-0.844 χ^2/NDF: 1336618.7/27

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/10

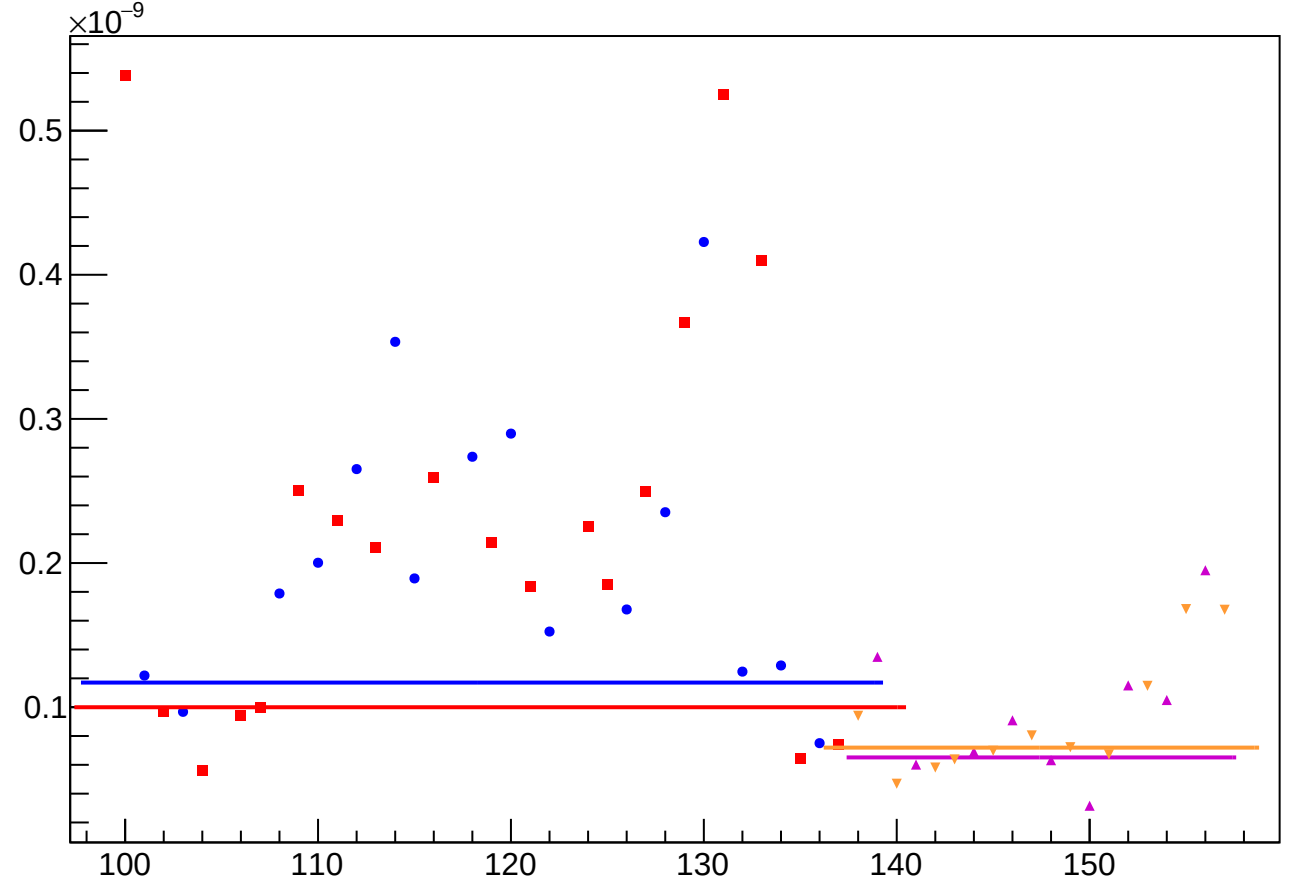
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/26

All: 0.000+/-0.000 χ^2/NDF: 58.1/54

- sign 0.000+/-0.000 χ^2/NDF: 25.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:800070.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

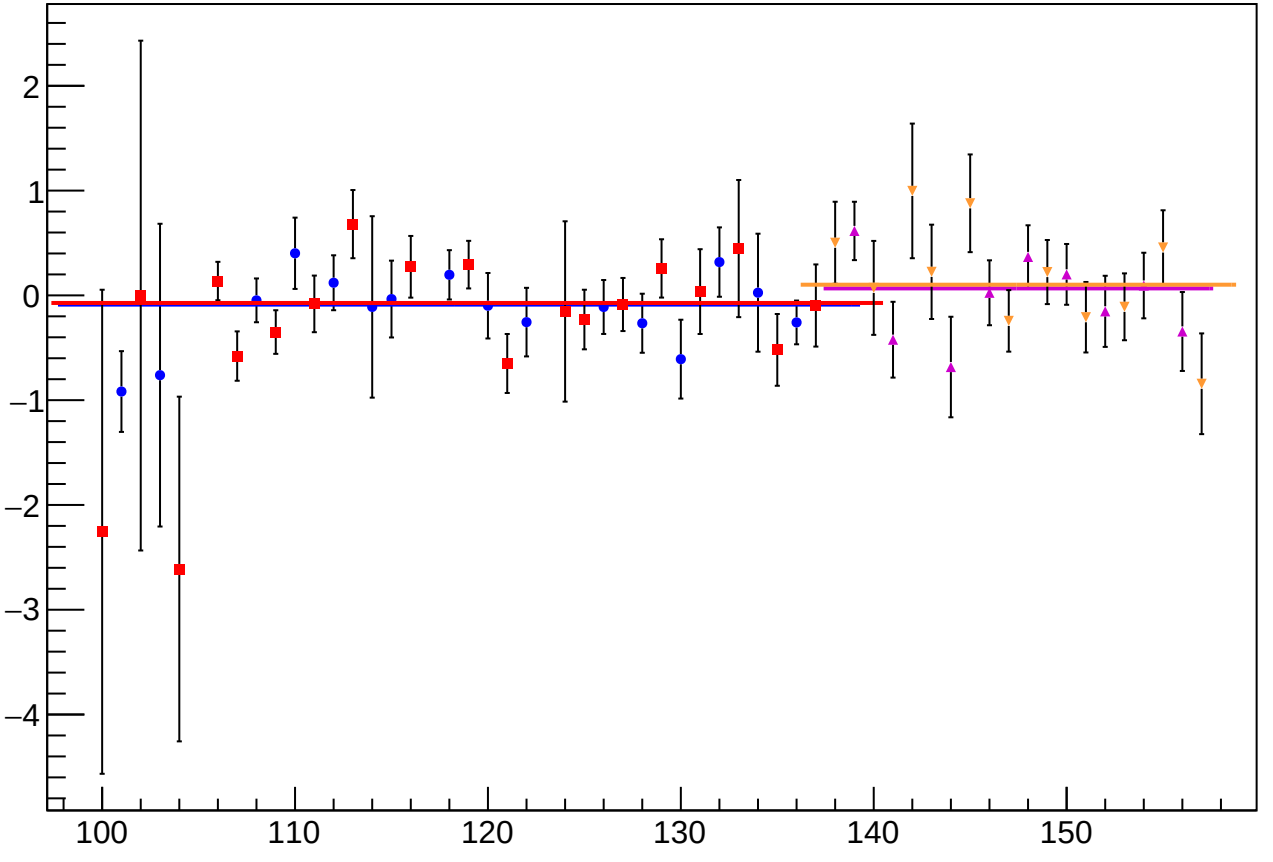
Left In: 0.000+/-0.000 χ^2/NDF:1280519.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 2451386.4/26

All: 0.000+/-0.000 χ^2/NDF: 5974187.4/54

- sign 0.000+/-0.000 χ^2/NDF: 3468535.0/27

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

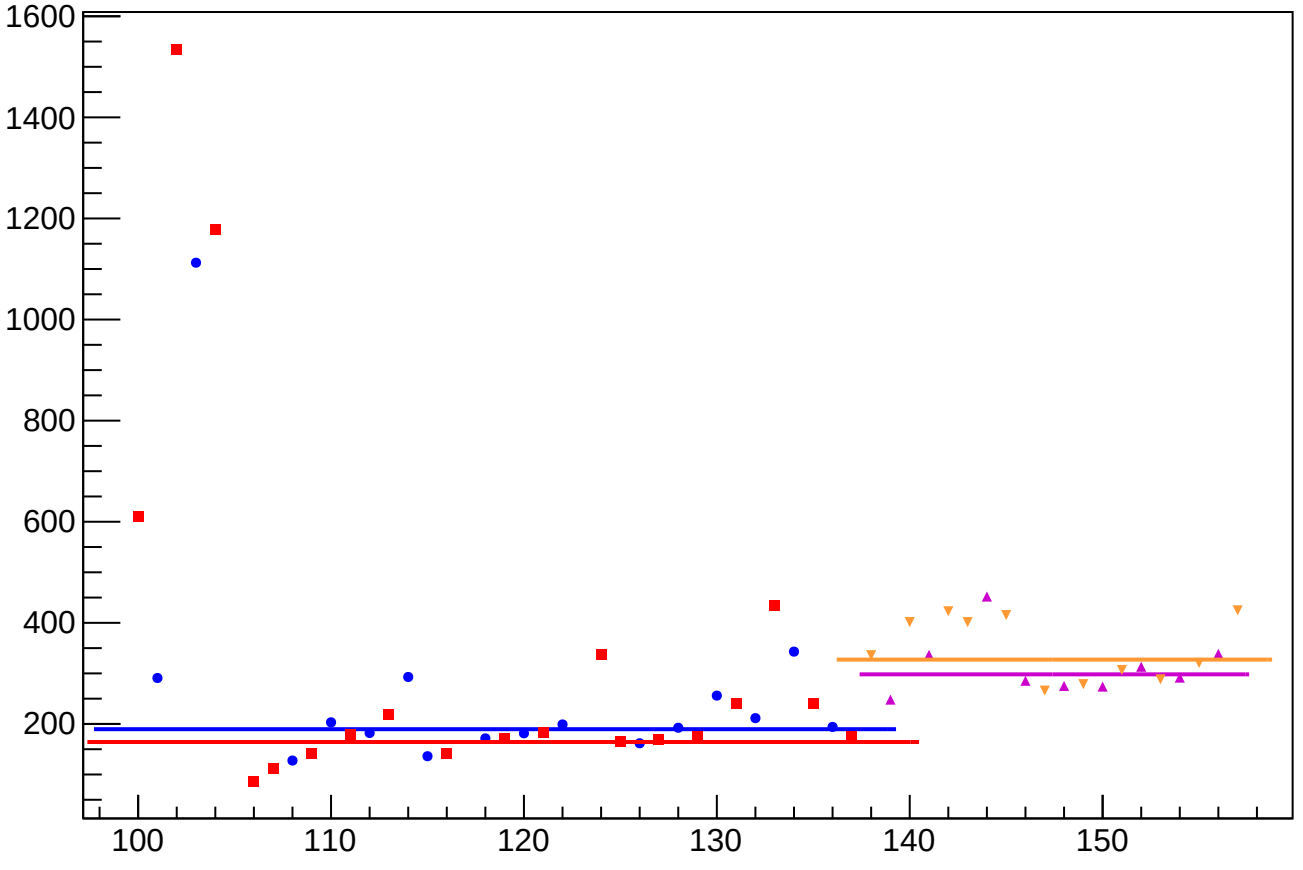
Left In: 0.067+/-0.109 χ^2/NDF:11.0/8

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.030+/-0.043 χ^2/NDF: 70.1/54

- sign -0.032+/-0.059 χ^2/NDF: 40.8/27

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

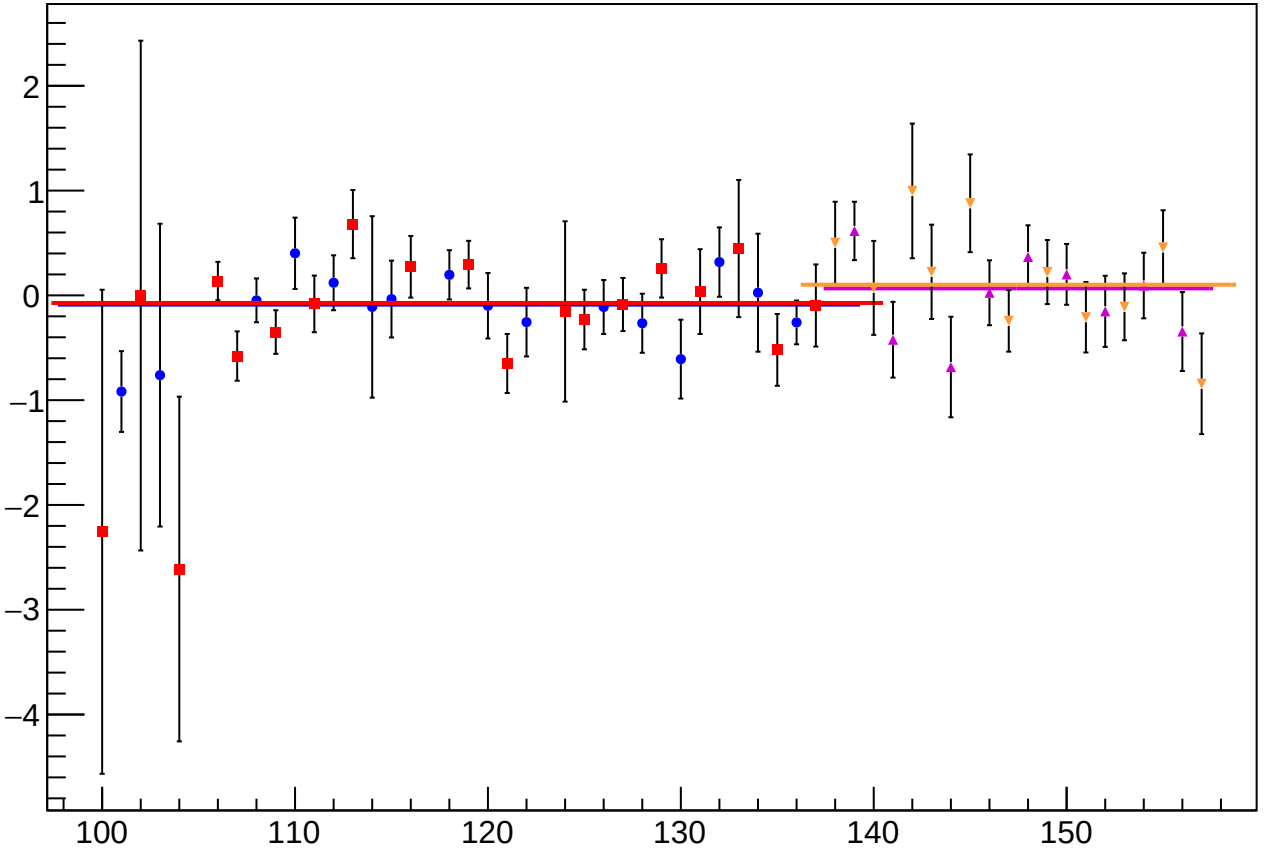
Left In: 298.110+/-0.077 χ^2/NDF:349657.5/8

+ sign 232.466+/-0.045 χ^2/NDF: 3950433.2/26

All: 216.769+/-0.031 χ^2/NDF: 9301450.4/54

- sign 203.347+/-0.042 χ^2/NDF: 5125824.7/27

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

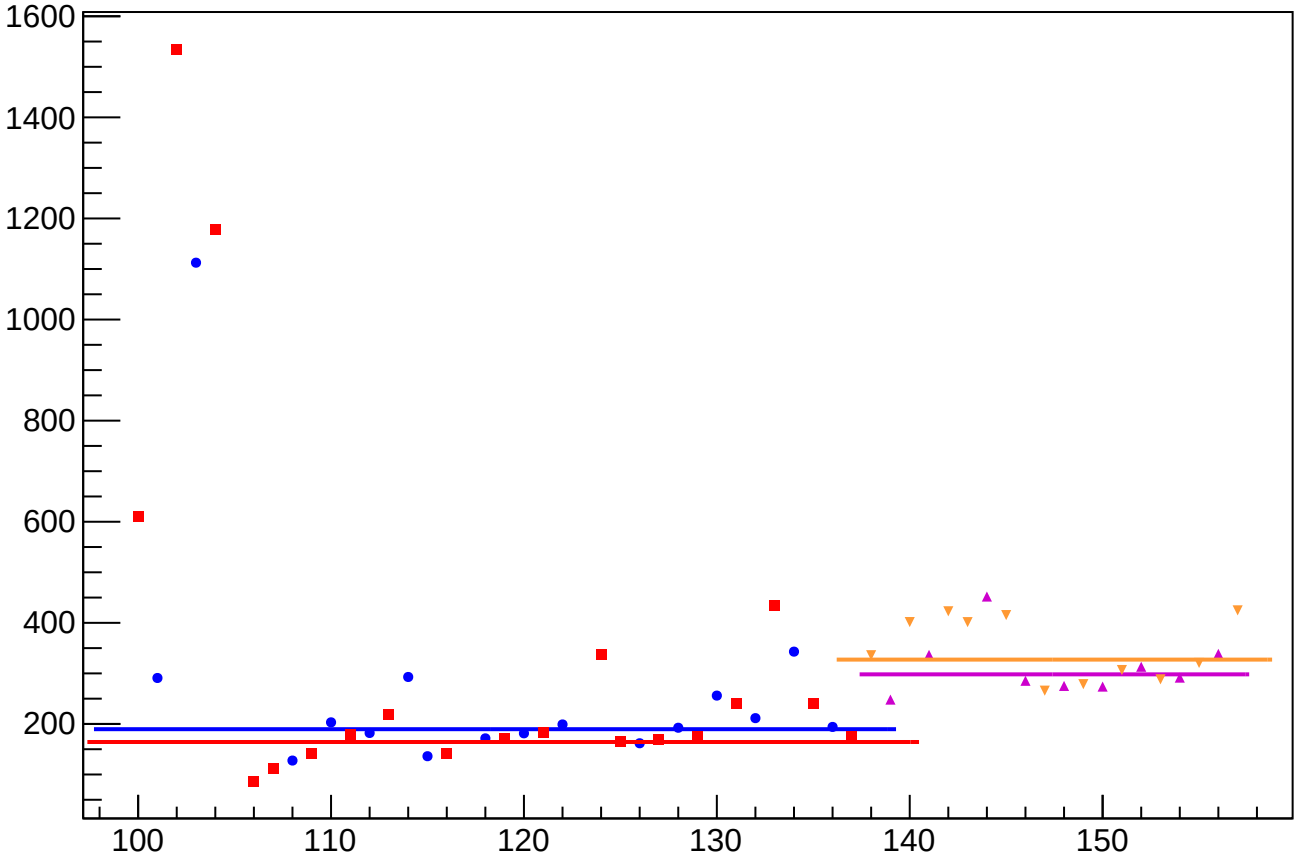
Left In: 0.067+/-0.109 χ^2/NDF:11.0/8

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.030+/-0.043 χ^2/NDF: 70.1/54

- sign -0.032+/-0.059 χ^2/NDF: 40.8/27

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.274+/-0.081 χ^2/NDF:483965.6/10

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

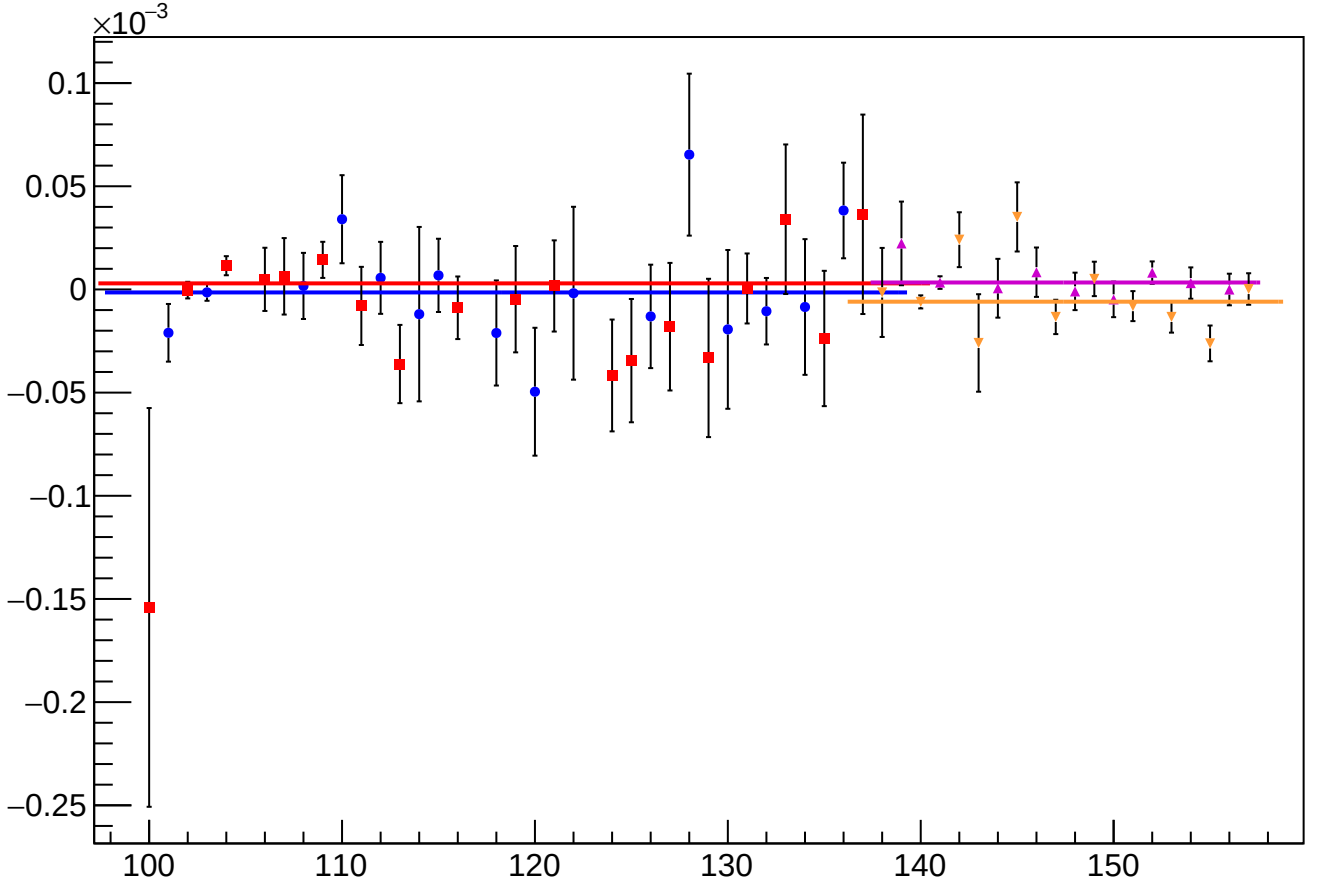
Left In: 298.110+/-0.077 χ^2/NDF:349657.5/8

+ sign 232.466+/-0.045 χ^2/NDF: 3950433.2/26

All: 216.769+/-0.031 χ^2/NDF: 9301450.4/54

- sign 203.347+/-0.042 χ^2/NDF: 5125824.7/27

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

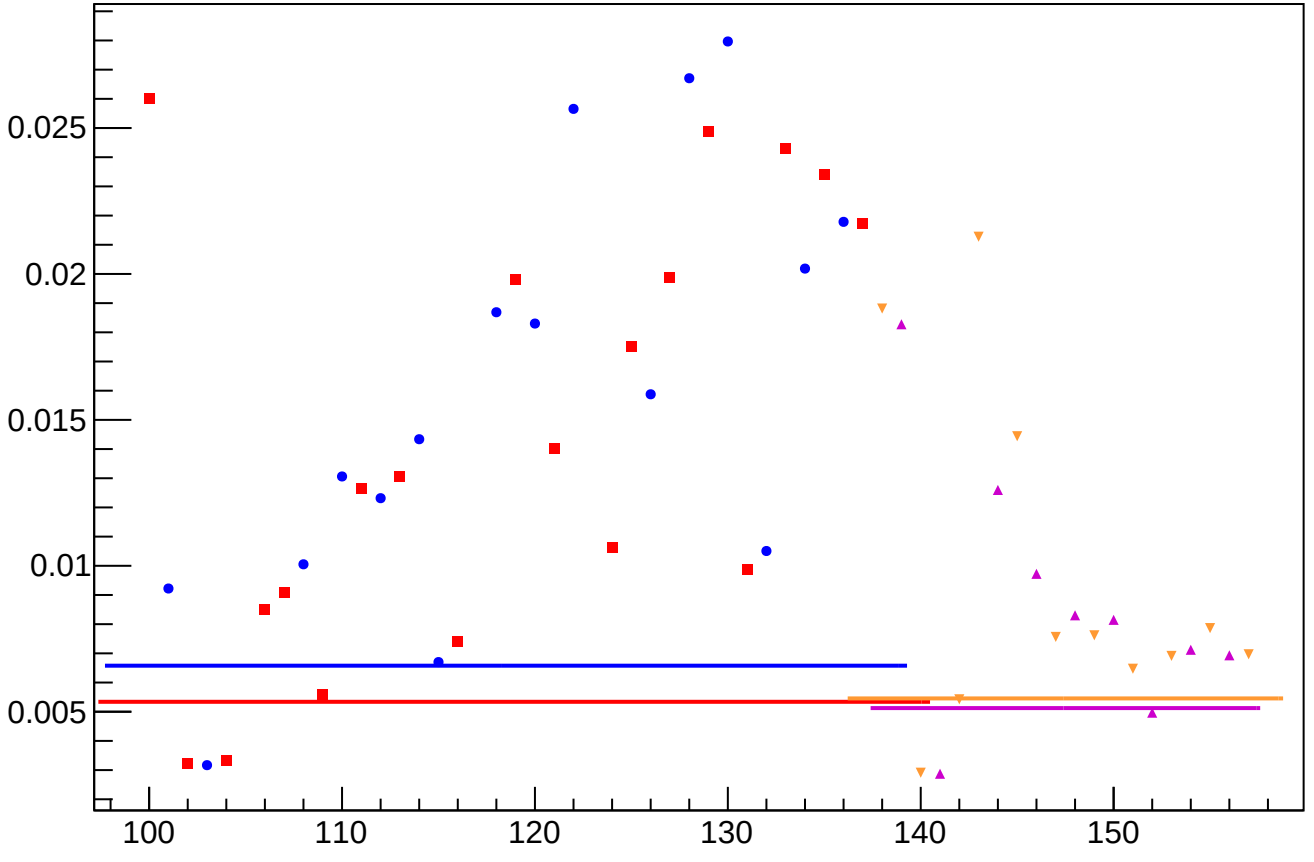
Left In: 0.000+/-0.000 χ^2/NDF:3.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/26

All: -0.000+/-0.000 χ^2/NDF: 72.1/54

- sign 0.000+/-0.000 χ^2/NDF: 24.5/27

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:4133670.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

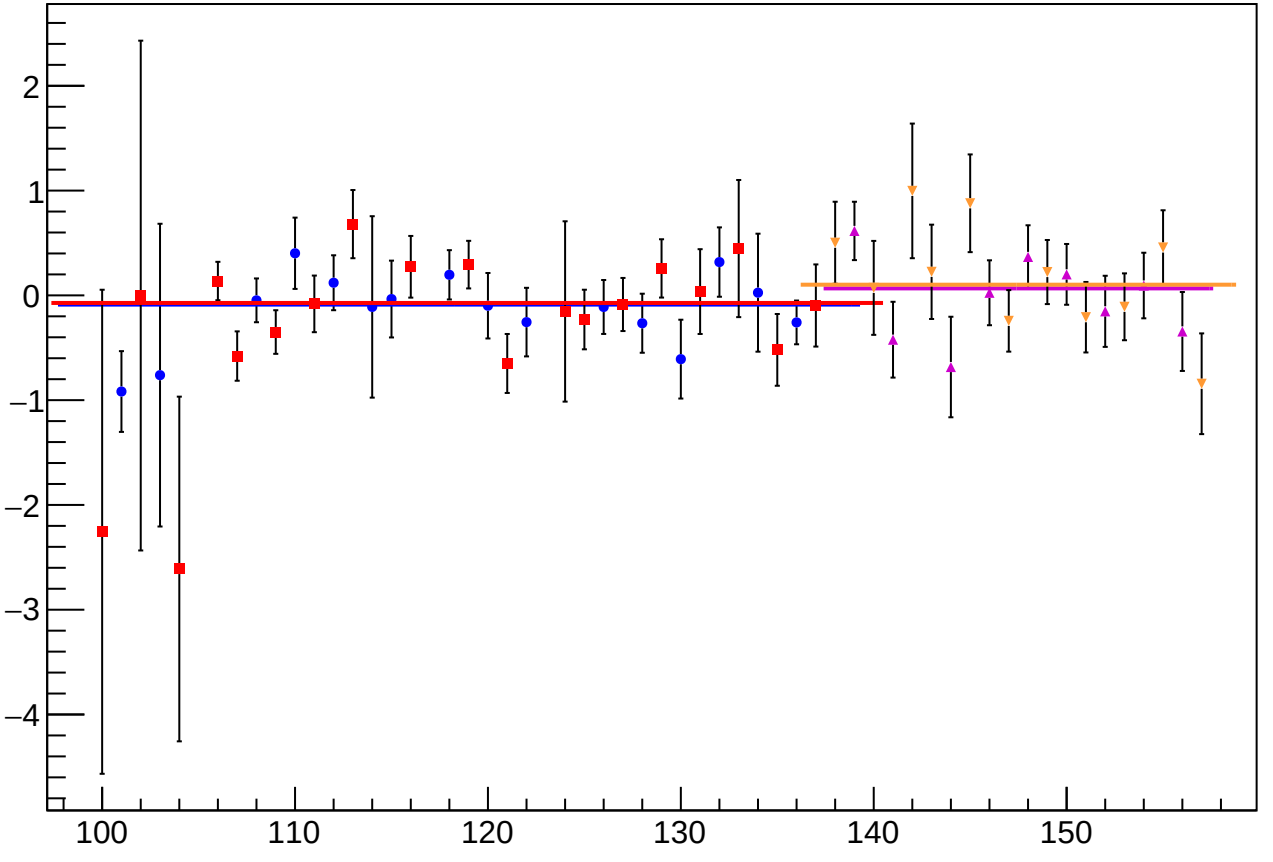
Left In: 0.005+/-0.000 χ^2/NDF:3512966.9/8

+ sign 0.006+/-0.000 χ^2/NDF: 10221073.5/26

All: 0.005+/-0.000 χ^2/NDF: 19540566.8/54

- sign 0.005+/-0.000 χ^2/NDF: 9207163.0/27

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

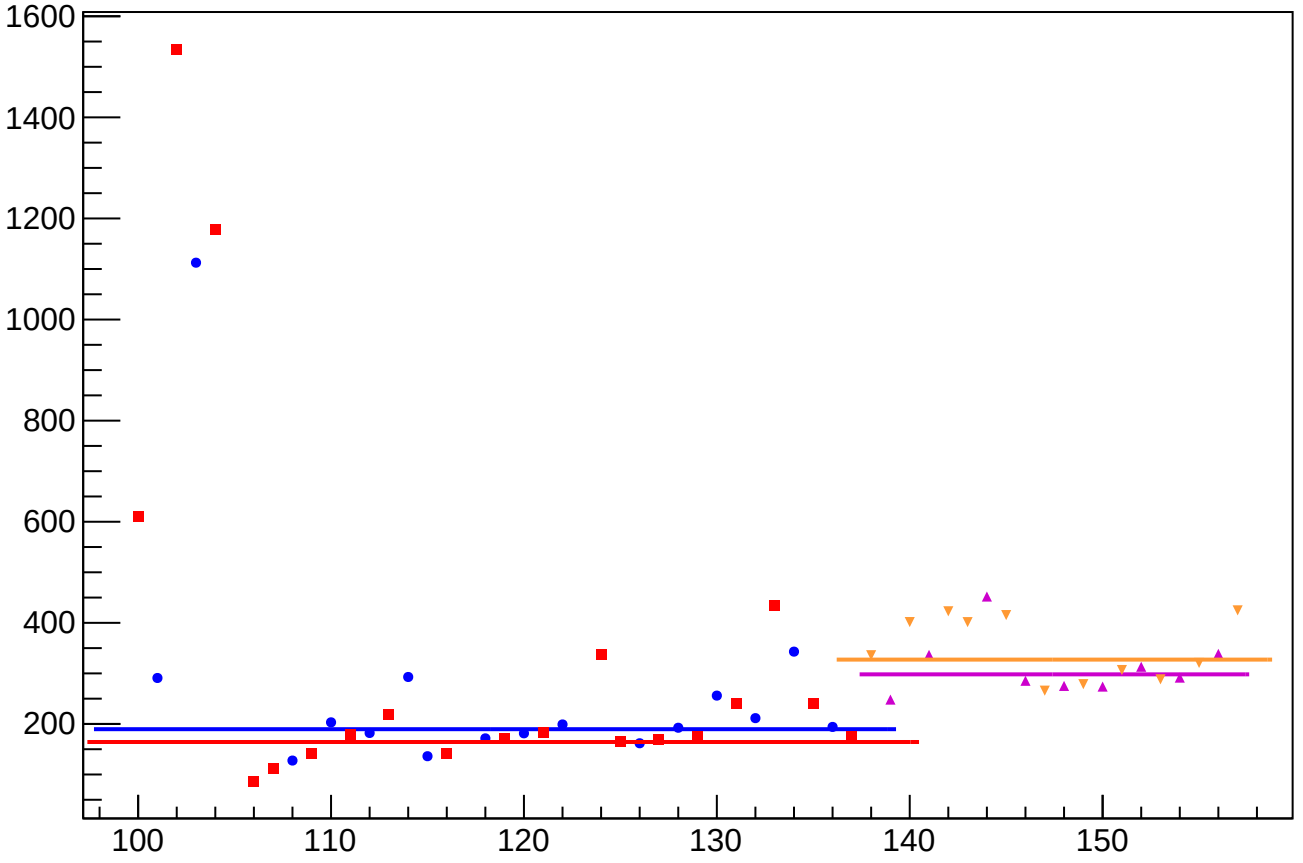
Left In: 0.067+/-0.109 χ^2/NDF:11.0/8

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.030+/-0.043 χ^2/NDF: 70.1/54

- sign -0.032+/-0.059 χ^2/NDF: 40.8/27

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.277+/-0.081 χ^2/NDF:483952.6/10

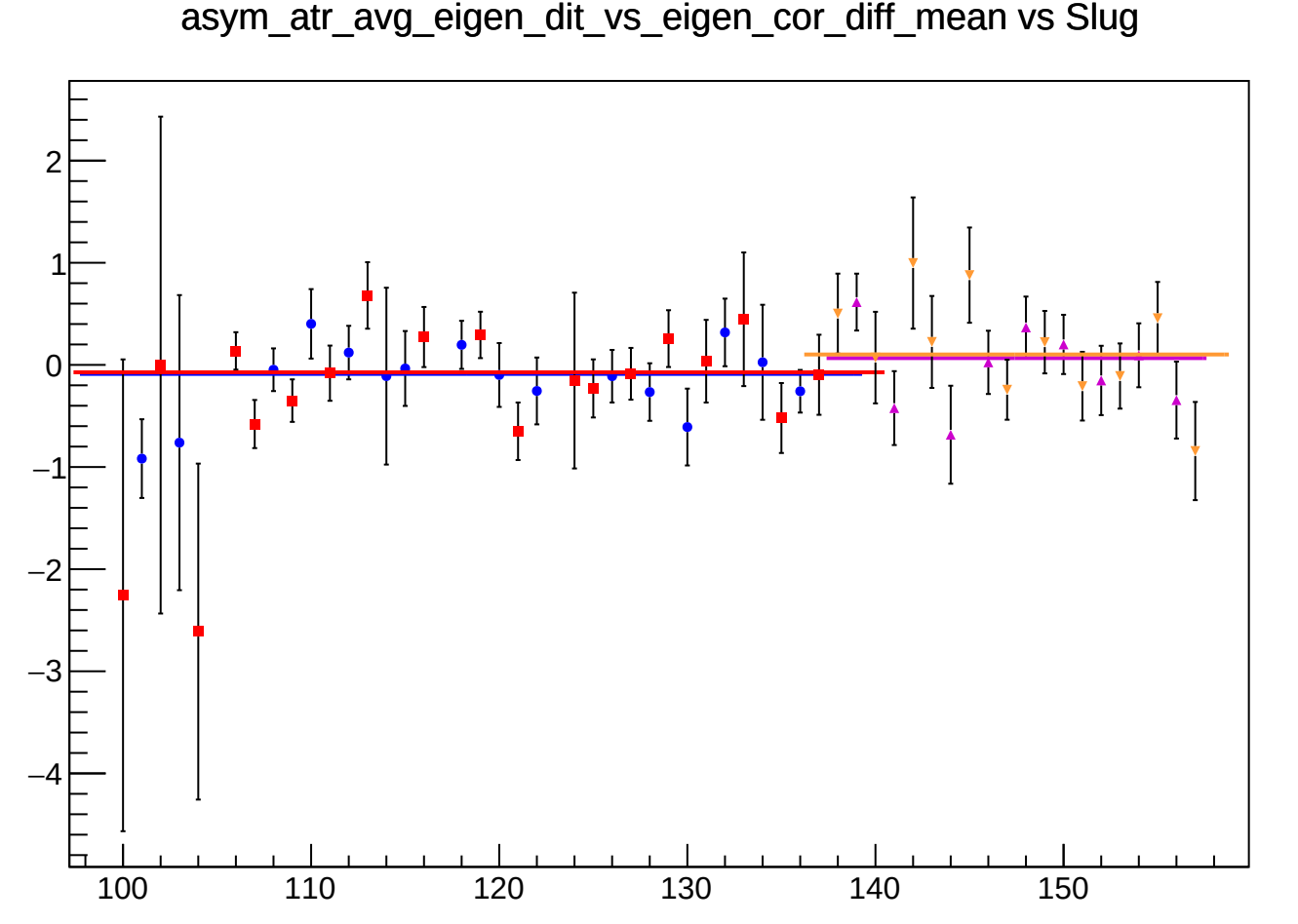
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 298.114+/-0.077 χ^2/NDF:349637.6/8

+ sign 232.465+/-0.045 χ^2/NDF: 3950510.0/26

All: 216.769+/-0.031 χ^2/NDF: 9301594.6/54

- sign 203.346+/-0.042 χ^2/NDF: 5125889.1/27



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.102+/-0.114 χ^2/NDF:13.5/10

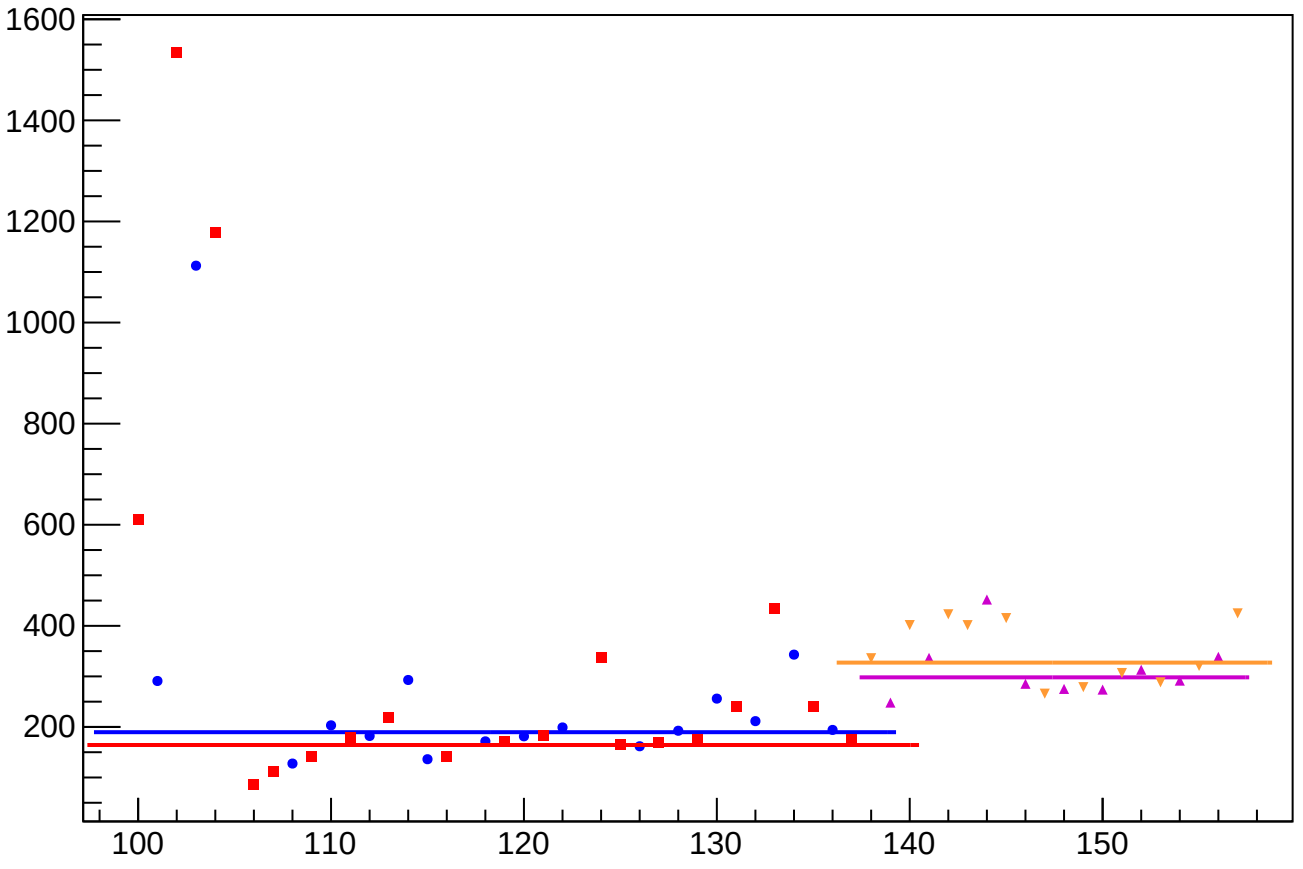
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.067+/-0.109 χ^2/NDF:11.0/8

+ sign -0.029+/-0.064 χ^2/NDF: 29.3/26

All: -0.030+/-0.043 χ^2/NDF: 70.1/54

- sign -0.032+/-0.059 χ^2/NDF: 40.8/27



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.277+/-0.081 χ^2/NDF:483952.6/10

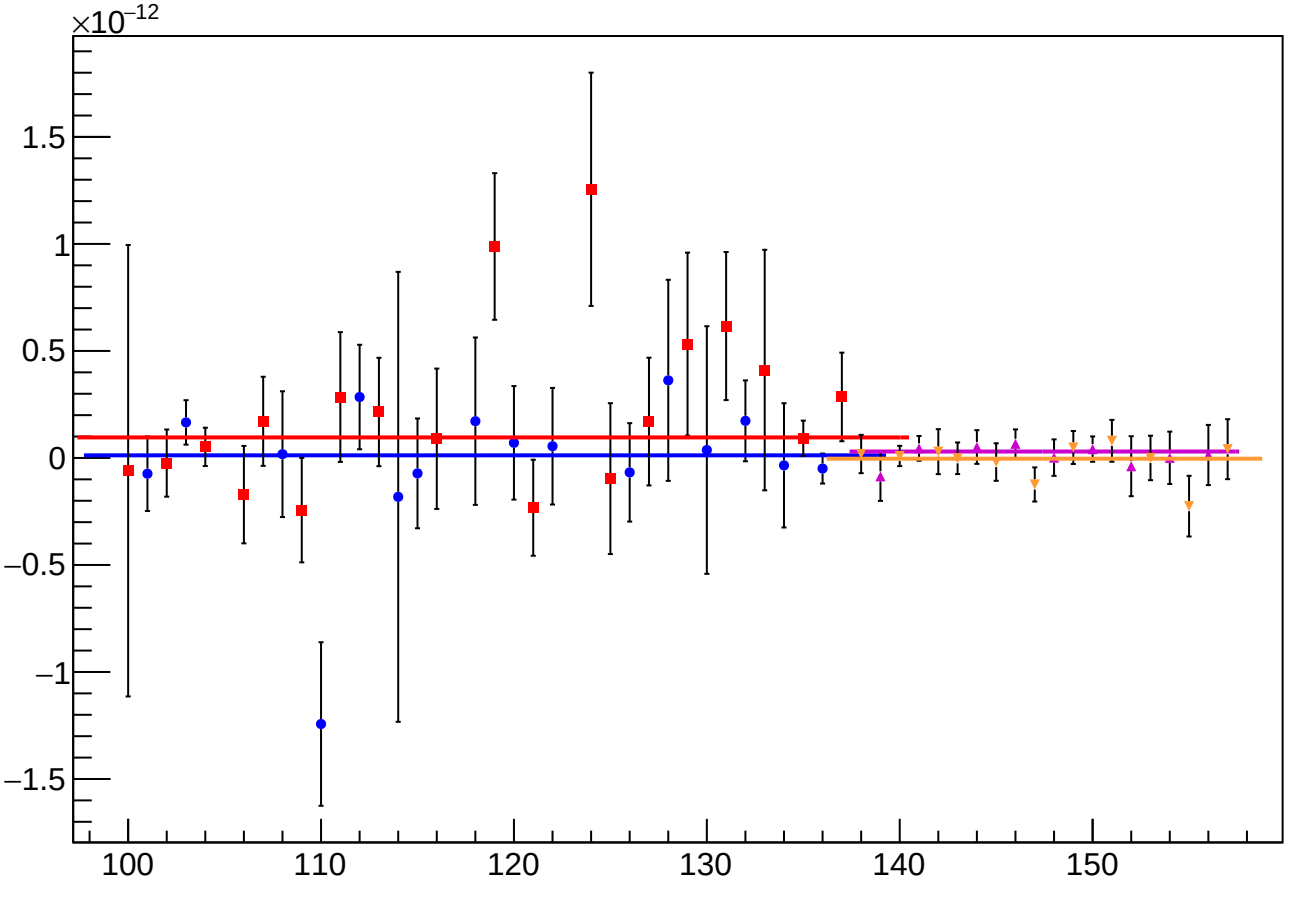
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 298.114+/-0.077 χ^2/NDF:349637.6/8

+ sign 232.465+/-0.045 χ^2/NDF: 3950510.0/26

All: 216.769+/-0.031 χ^2/NDF: 9301594.6/54

- sign 203.346+/-0.042 χ^2/NDF: 5125889.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

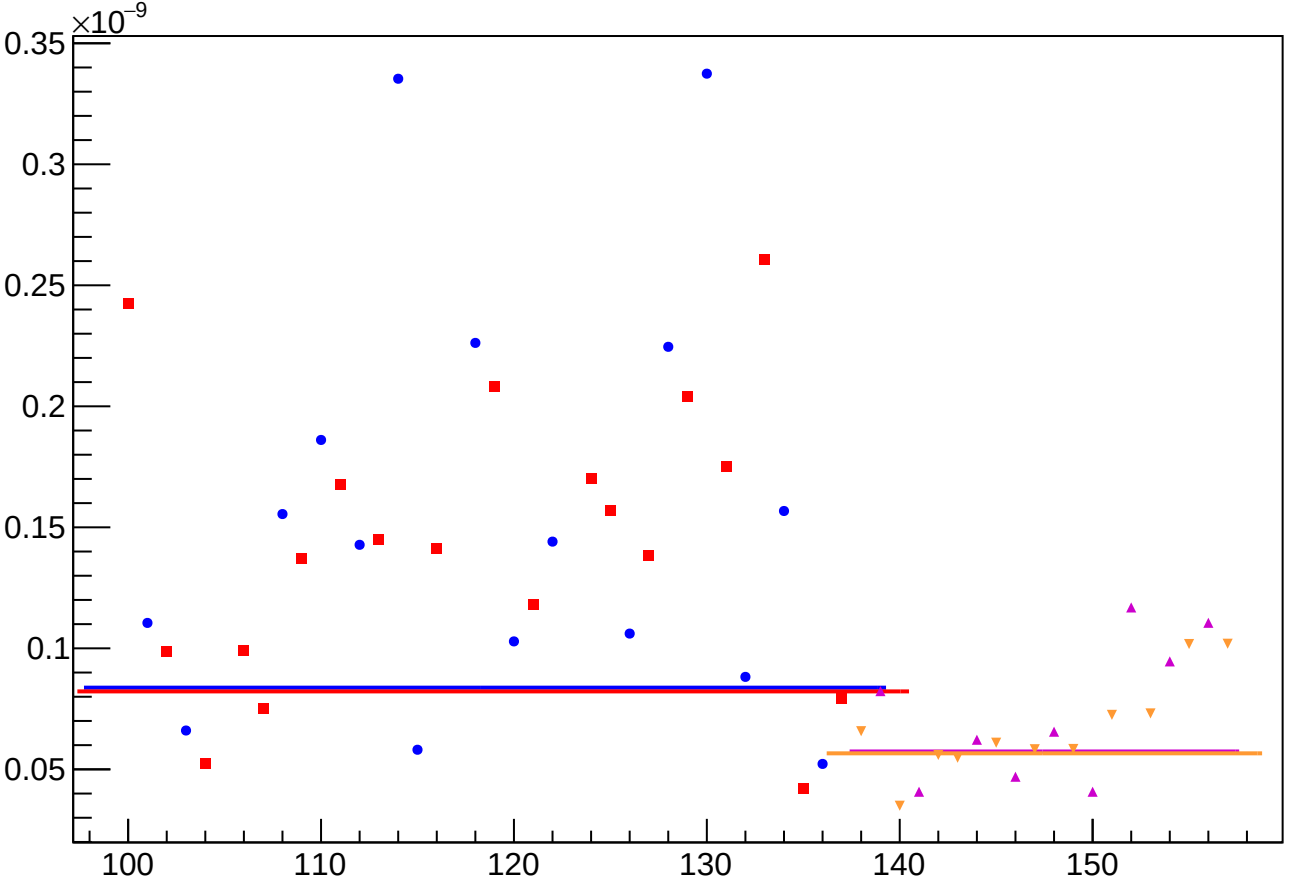
Left In: 0.000+/-0.000 χ^2/NDF:1.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 52.3/54

- sign 0.000+/-0.000 χ^2/NDF: 26.7/27

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:961682.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

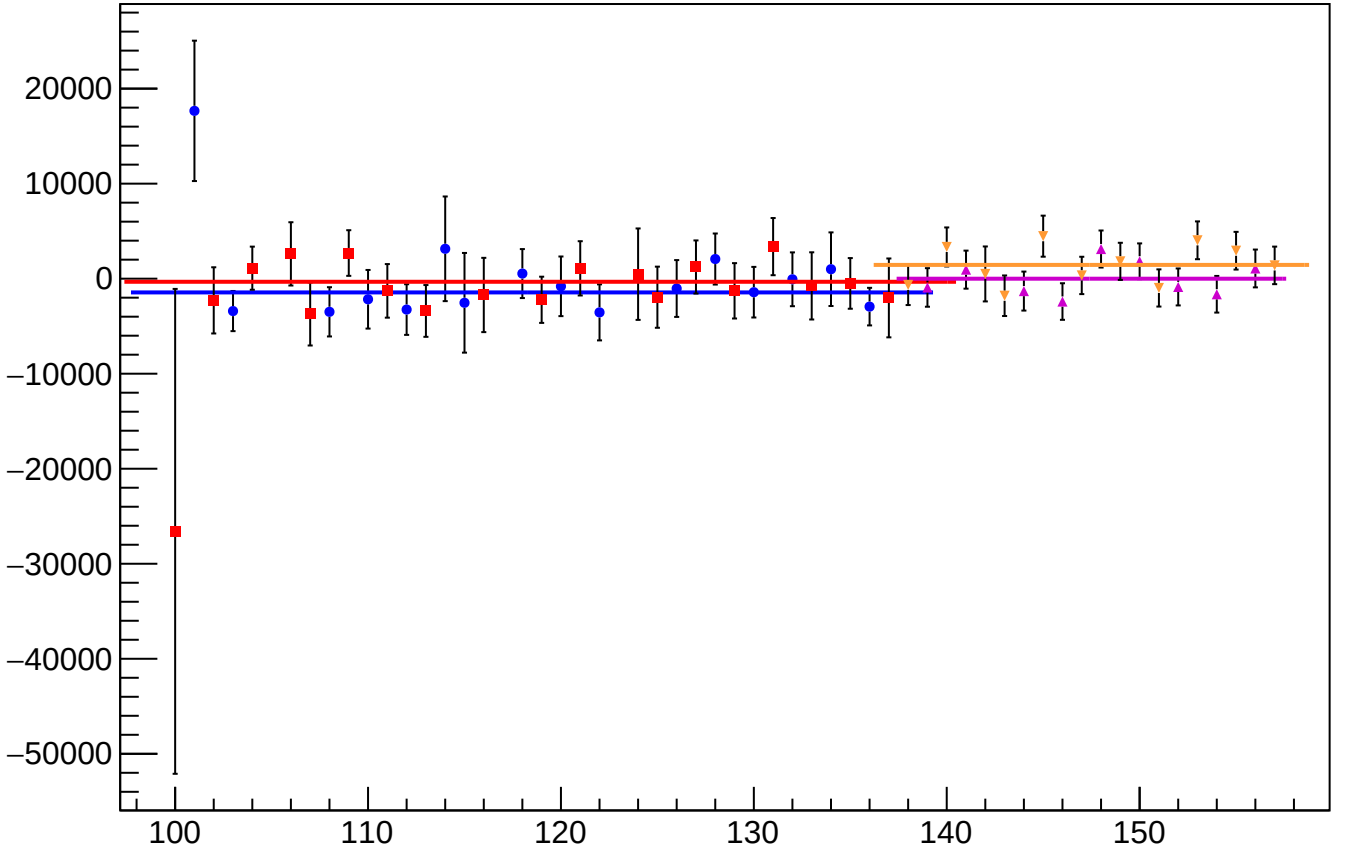
Left In: 0.000+/-0.000 χ^2/NDF:1322940.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 3615766.1/26

All: 0.000+/-0.000 χ^2/NDF: 7662355.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4043787.7/27

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.800+/-625.300 χ^2/NDF:10.4/10

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

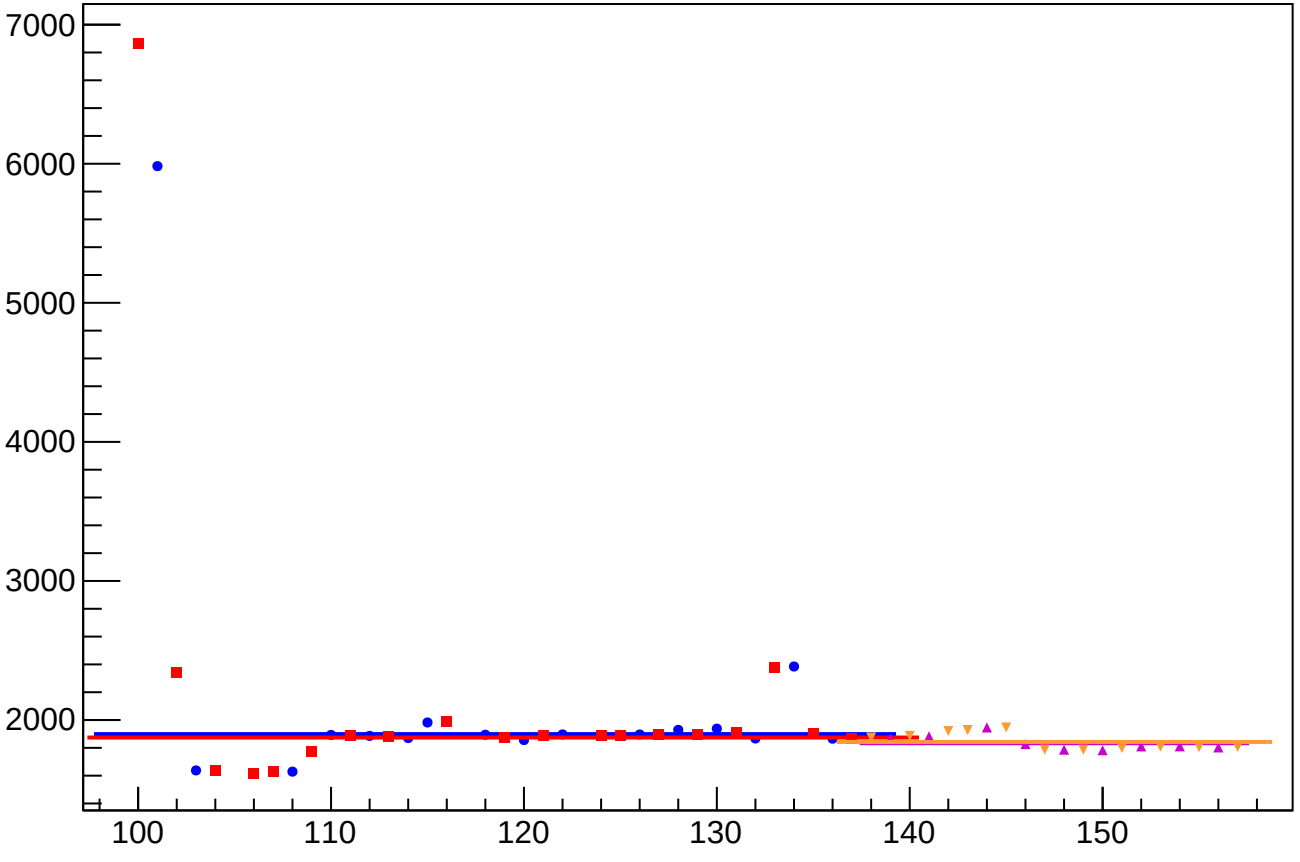
Left In: -3.398+/-654.884 χ^2/NDF:7.1/8

+ sign 210.106+/-472.992 χ^2/NDF: 33.0/26

All: 30.713+/-336.584 χ^2/NDF: 50.5/54

- sign -153.320+/-479.069 χ^2/NDF: 17.2/27

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

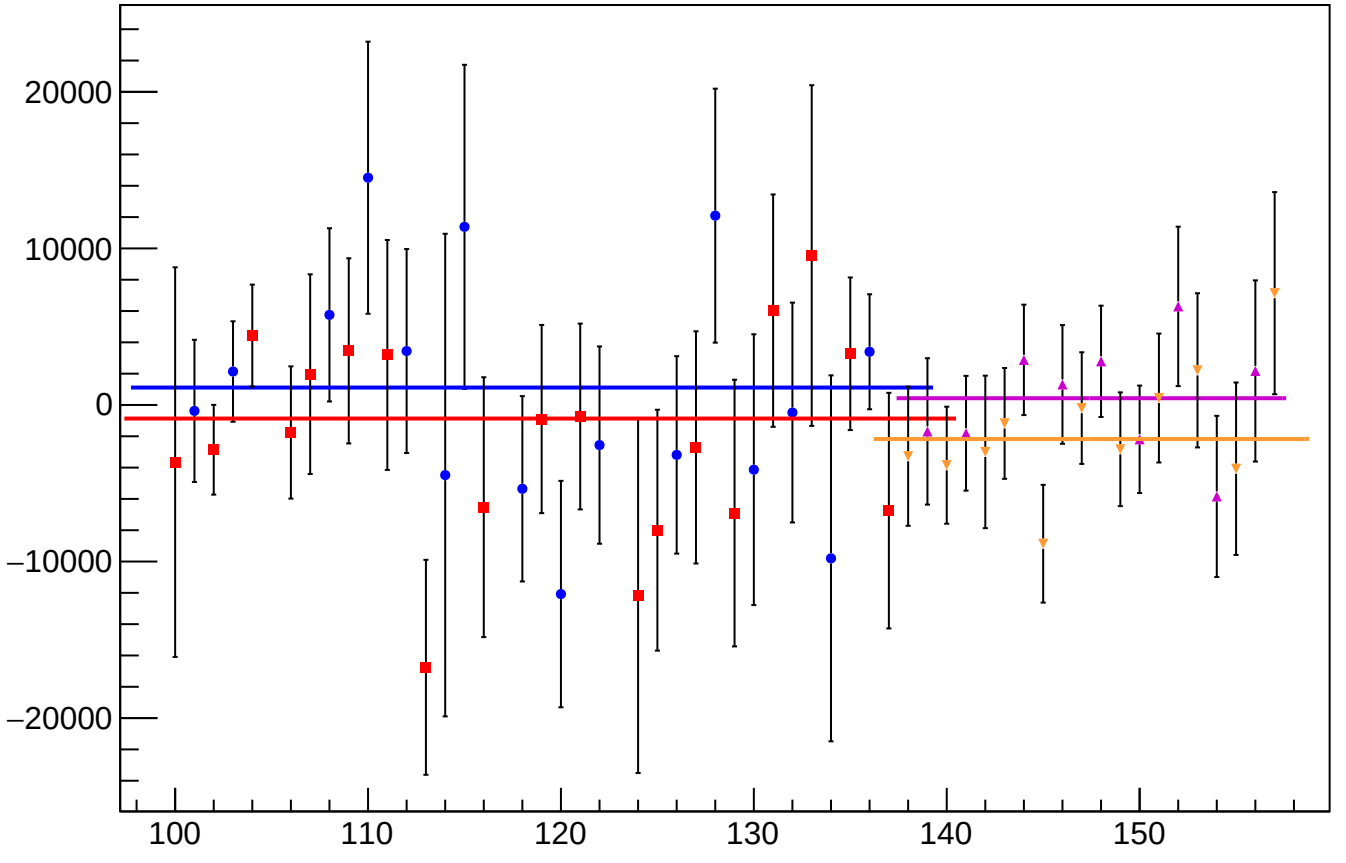
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1833.309+/-0.463 χ^2/NDF:11485.9/8

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.2/26

All: 1859.617+/-0.238 χ^2/NDF: 944928.8/54

- sign 1852.410+/-0.338 χ^2/NDF: 222790.5/27



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2175.797+/-1263.386 χ^2/NDF:7.3/10

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

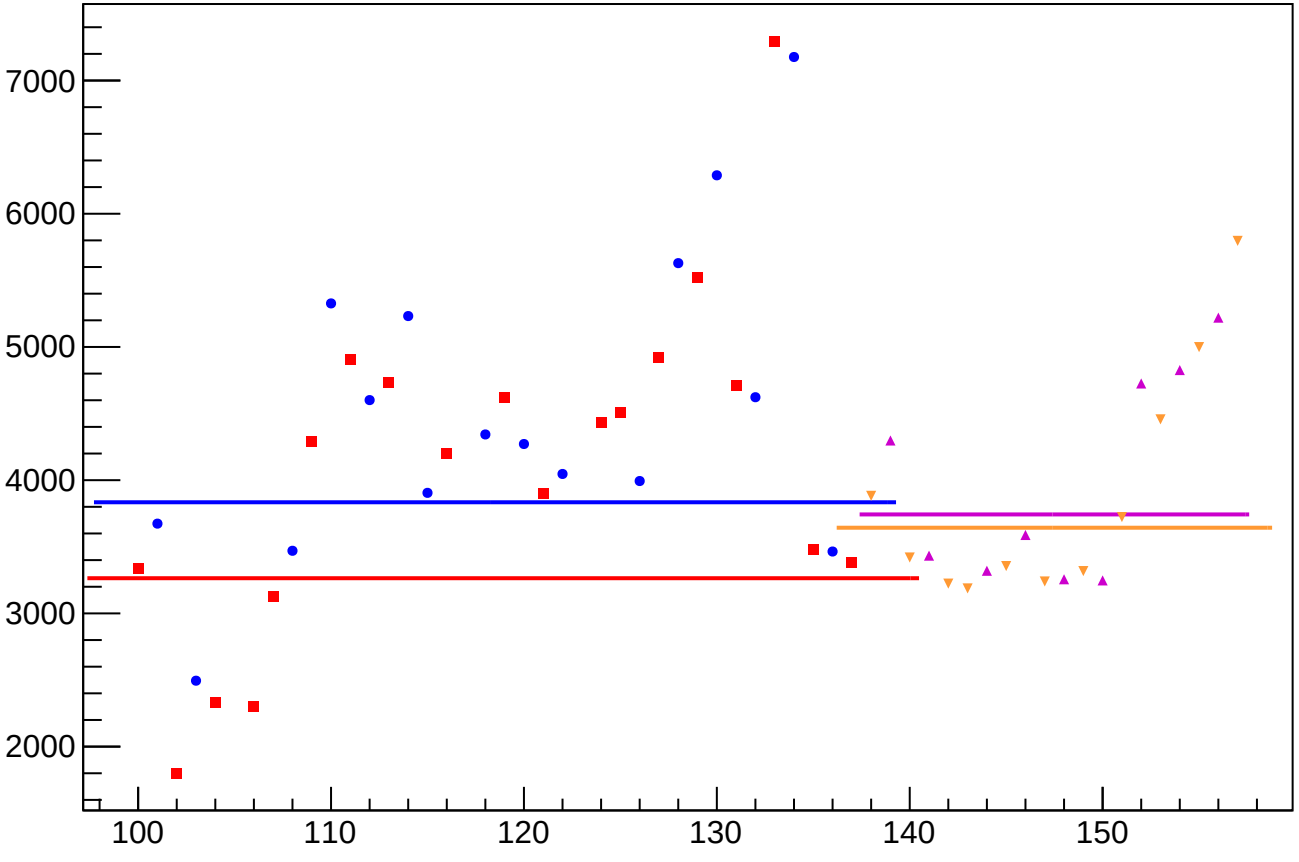
Left In: 431.293+/-1360.280 χ^2/NDF:5.0/8

\+ sign -788.797+/-960.694 χ^2/NDF: 23.5/26

All: -511.027+/-672.805 χ^2/NDF: 44.8/54

\- sign -243.654+/-942.545 χ^2/NDF: 21.1/27

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3643.113+/-0.893 χ^2/NDF:513455.8/10

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

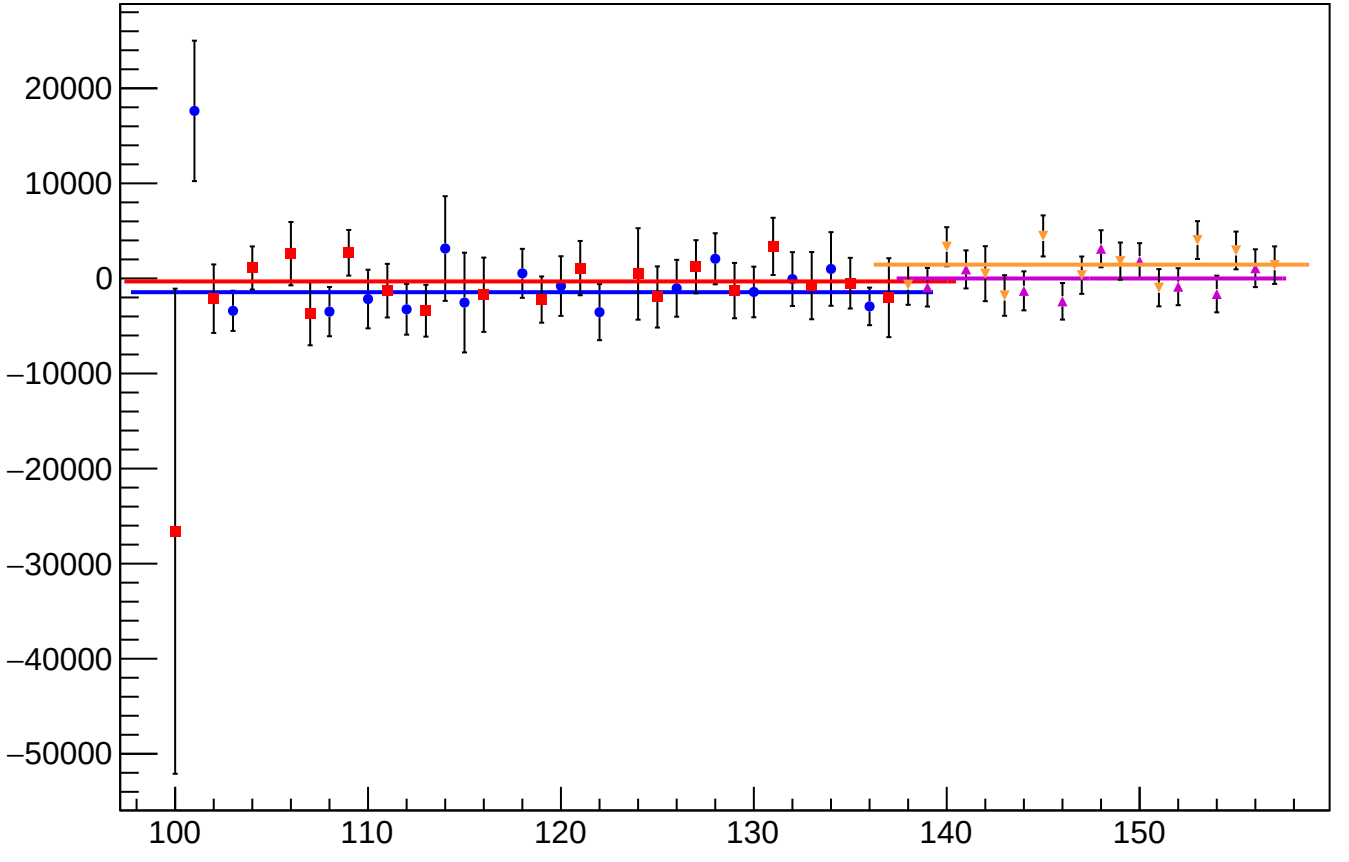
Left In: 3742.901+/-0.962 χ^2/NDF:447187.0/8

+ sign 3723.693+/-0.679 χ^2/NDF: 1489521.5/26

All: 3606.649+/-0.476 χ^2/NDF: 3988027.4/54

- sign 3493.986+/-0.666 χ^2/NDF: 2440244.3/27

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

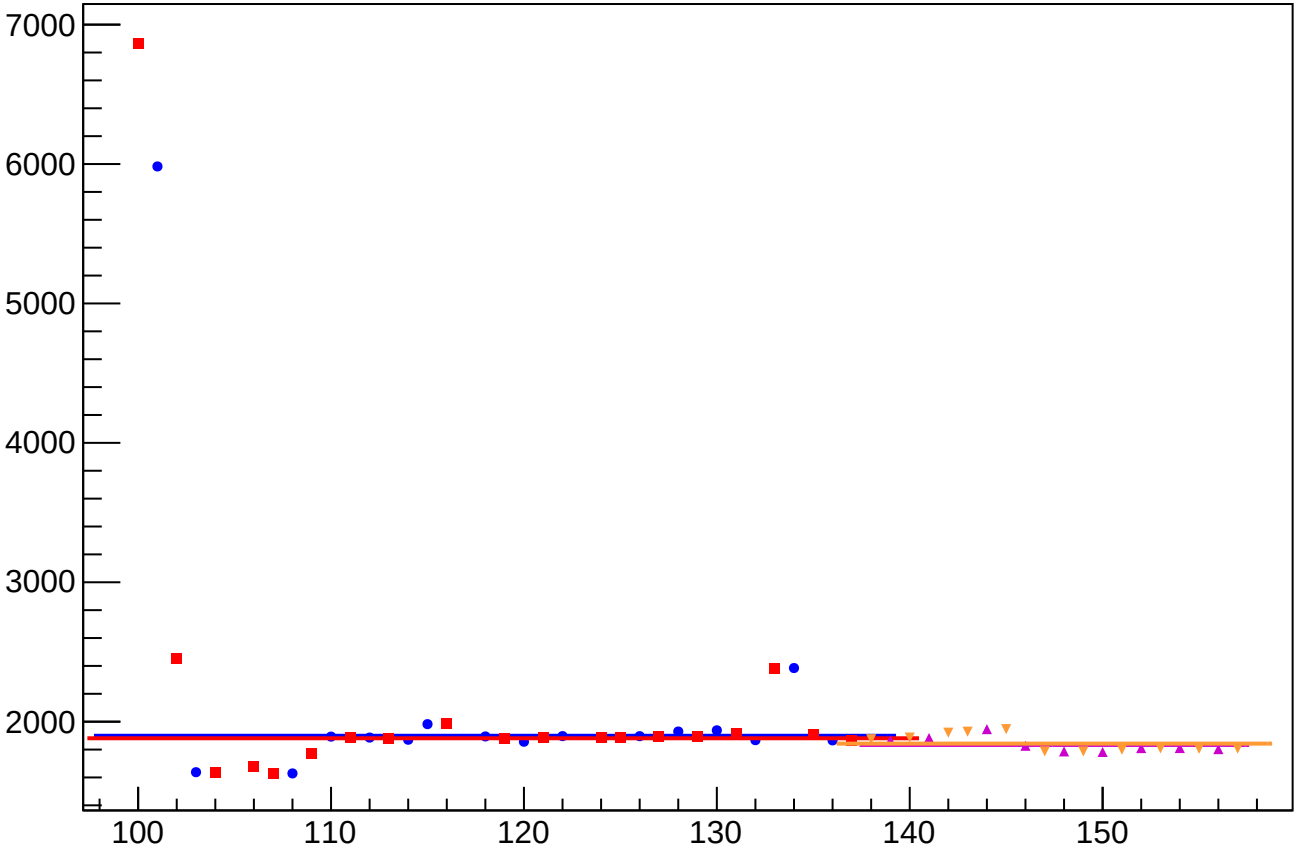
Left In: -3.428+/-654.884 χ^2/NDF:7.1/8

+ sign 210.011+/-472.992 χ^2/NDF: 33.0/26

All: 33.269+/-336.688 χ^2/NDF: 50.4/54

- sign -148.271+/-479.369 χ^2/NDF: 17.1/27

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

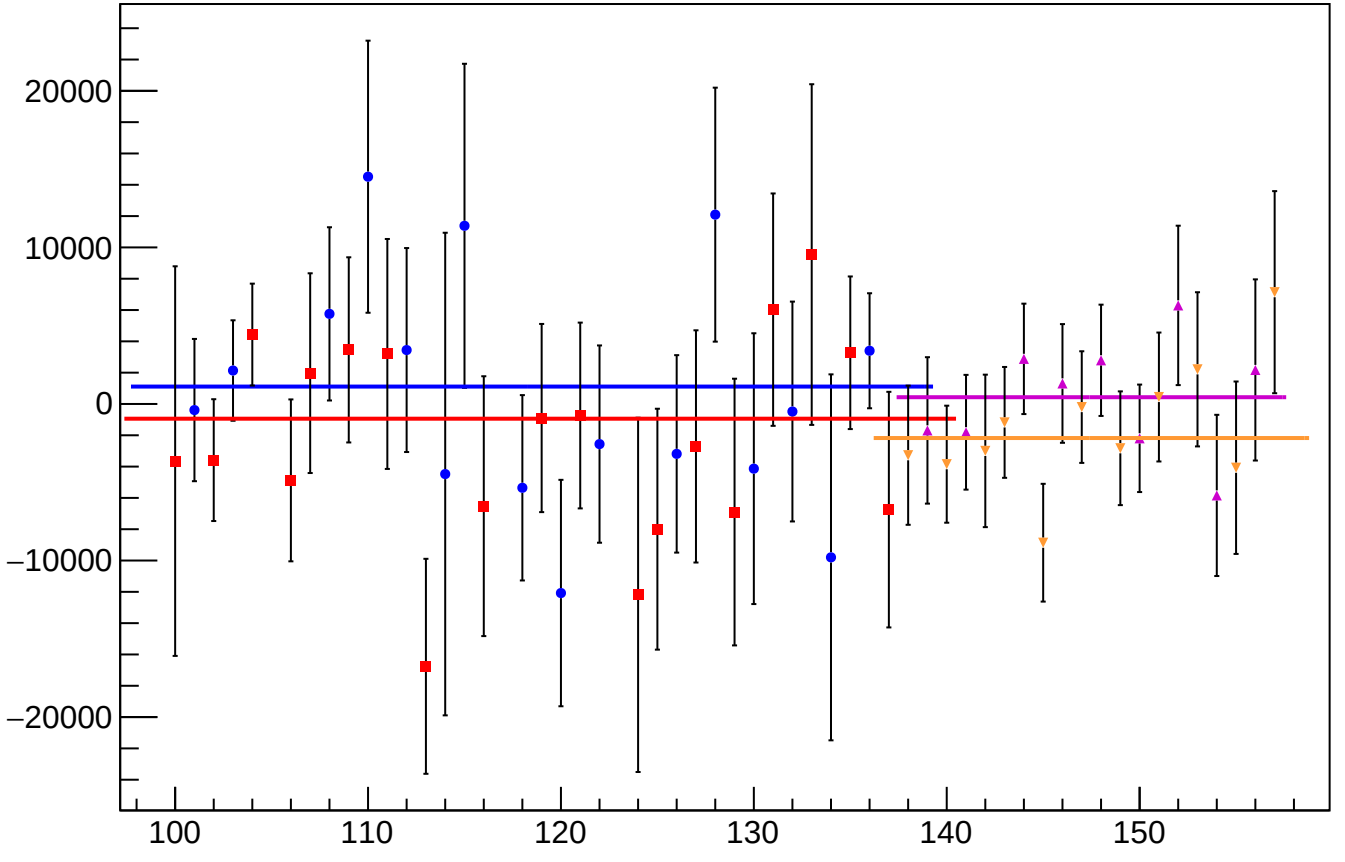
Left In: 1833.309+/-0.463 χ^2/NDF:11485.9/8

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.3/26

All: 1861.146+/-0.238 χ^2/NDF: 954774.9/54

- sign 1855.487+/-0.339 χ^2/NDF: 232983.2/27

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

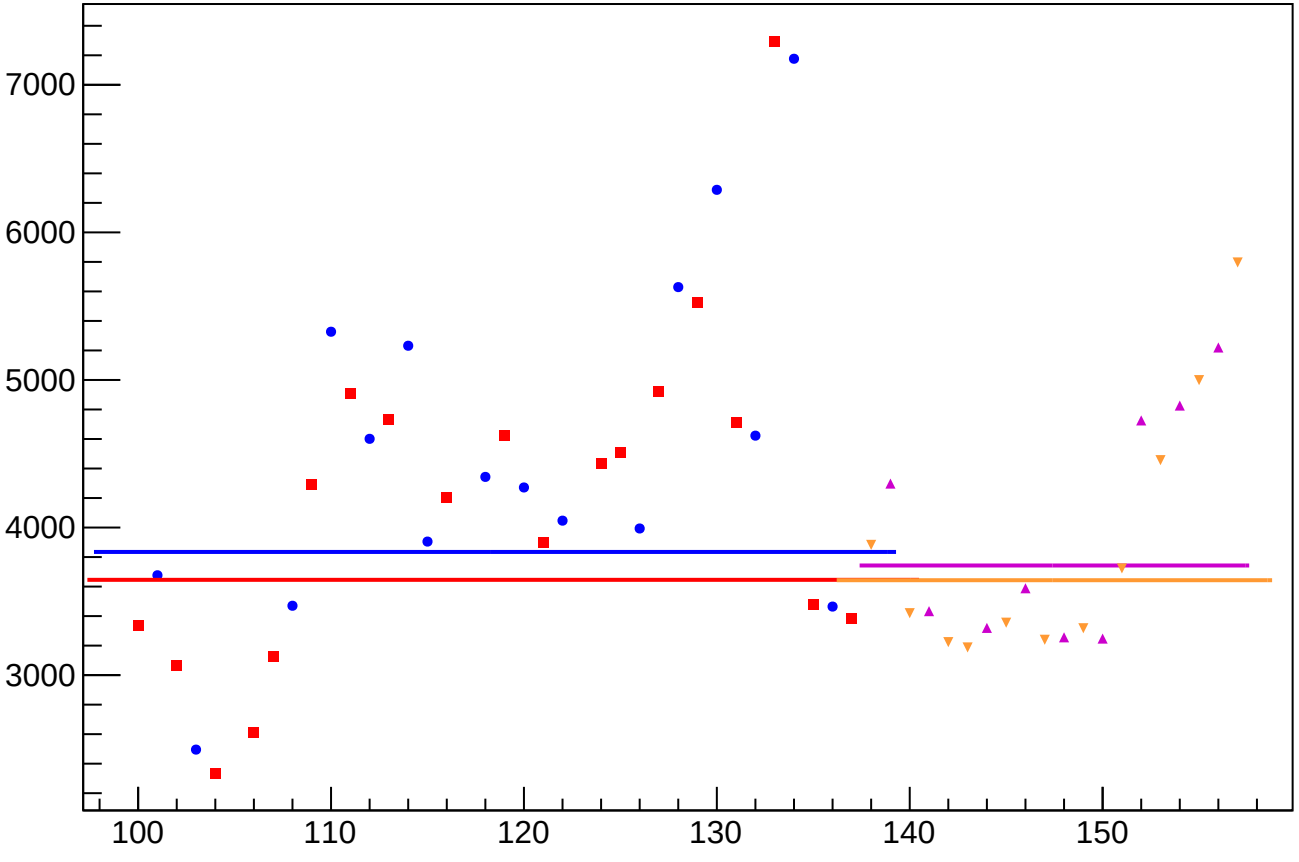
Left In: 431.421+/-1360.278 χ^2/NDF:5.0/8

+ sign -789.456+/-960.742 χ^2/NDF: 23.5/26

All: -516.582+/-684.423 χ^2/NDF: 45.4/54

- sign -235.397+/-975.261 χ^2/NDF: 21.7/27

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

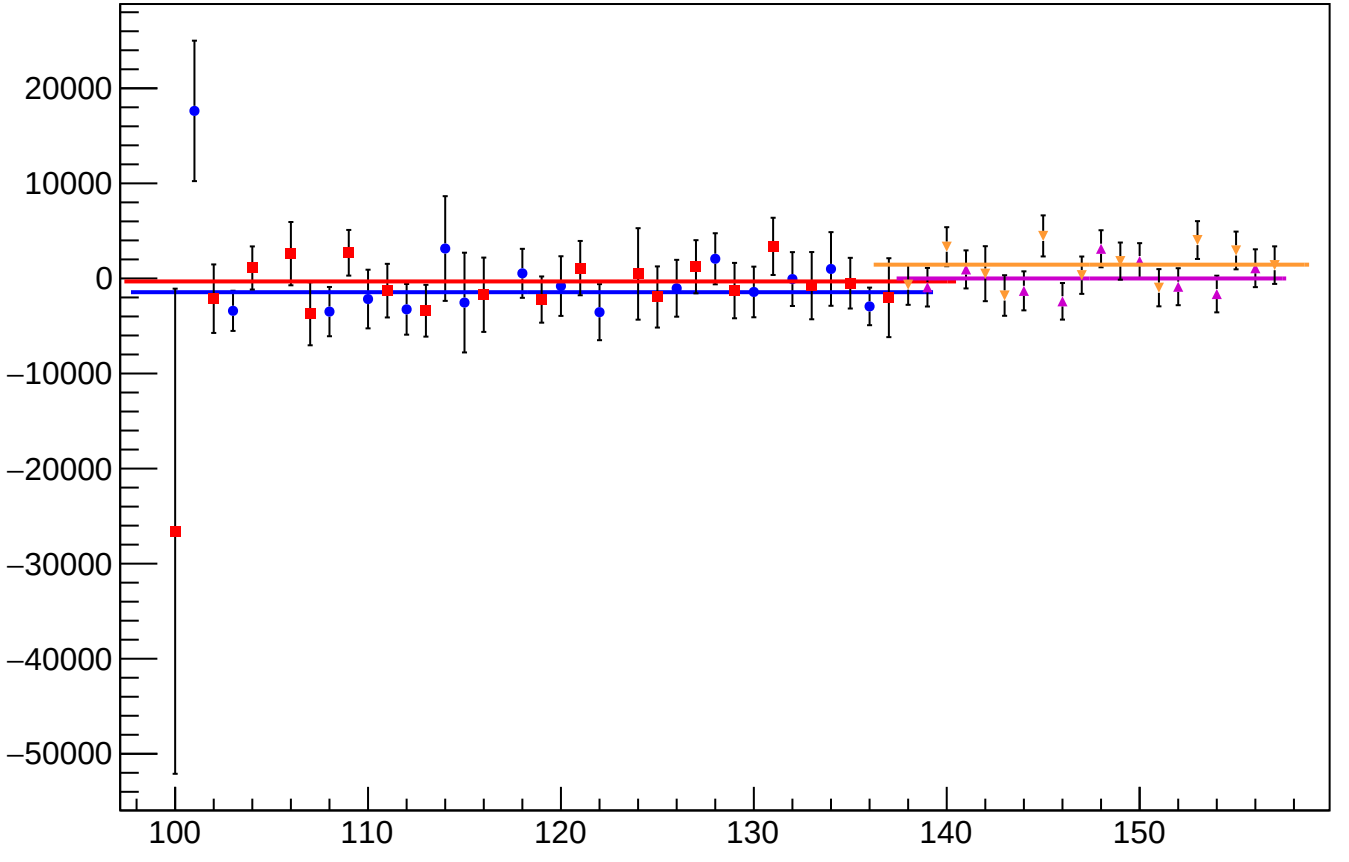
Left In: 3742.892+/-0.962 χ^2/NDF:447196.6/8

+ sign 3723.903+/-0.679 χ^2/NDF: 1489163.2/26

All: 3709.991+/-0.484 χ^2/NDF: 3067155.7/54

- sign 3695.654+/-0.690 χ^2/NDF: 1577141.0/27

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1448.923+/-625.300 χ^2/NDF:10.4/10

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

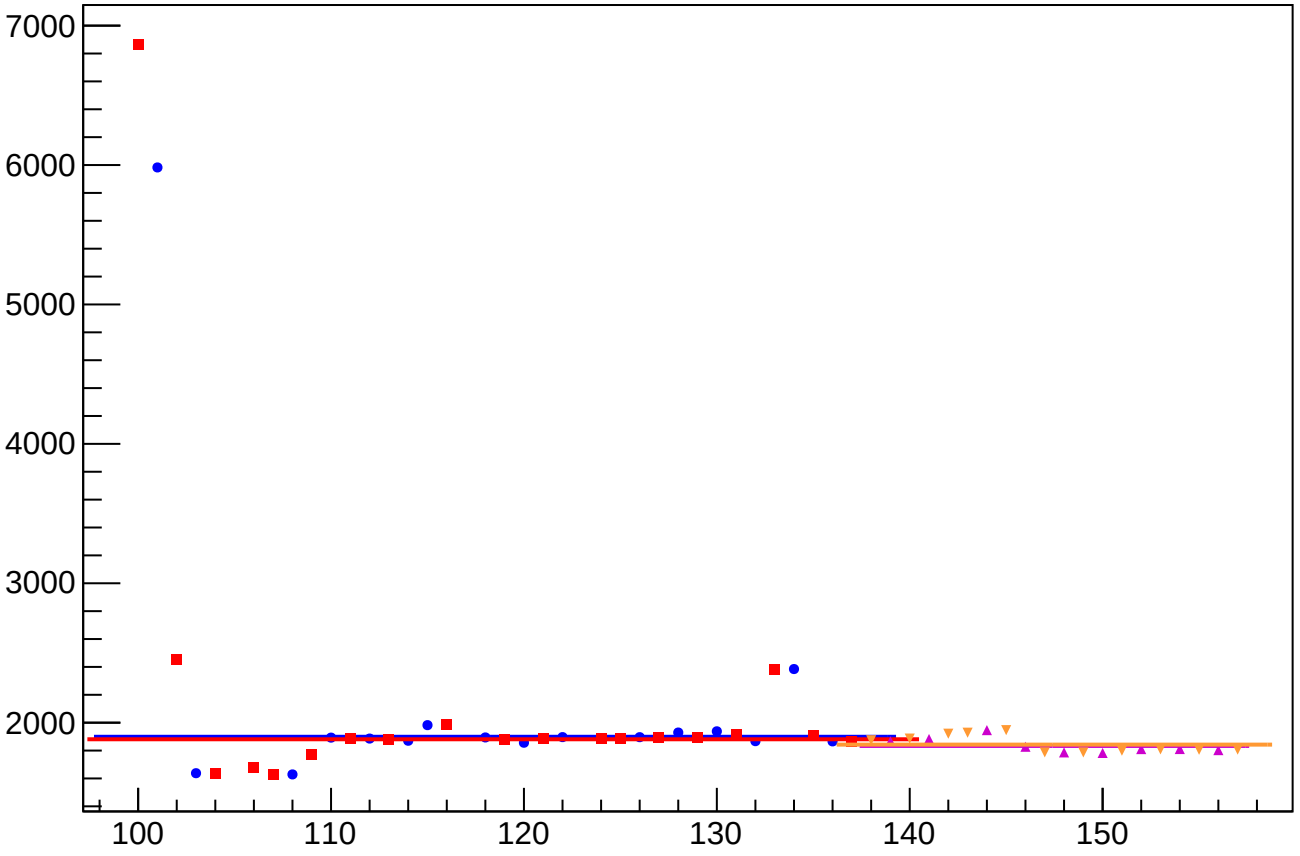
Left In: -3.428+/-654.884 χ^2/NDF:7.1/8

+ sign 210.011+/-472.992 χ^2/NDF: 33.0/26

All: 33.269+/-336.688 χ^2/NDF: 50.4/54

- sign -148.271+/-479.369 χ^2/NDF: 17.1/27

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1842.618+/-0.442 χ^2/NDF:16812.2/10

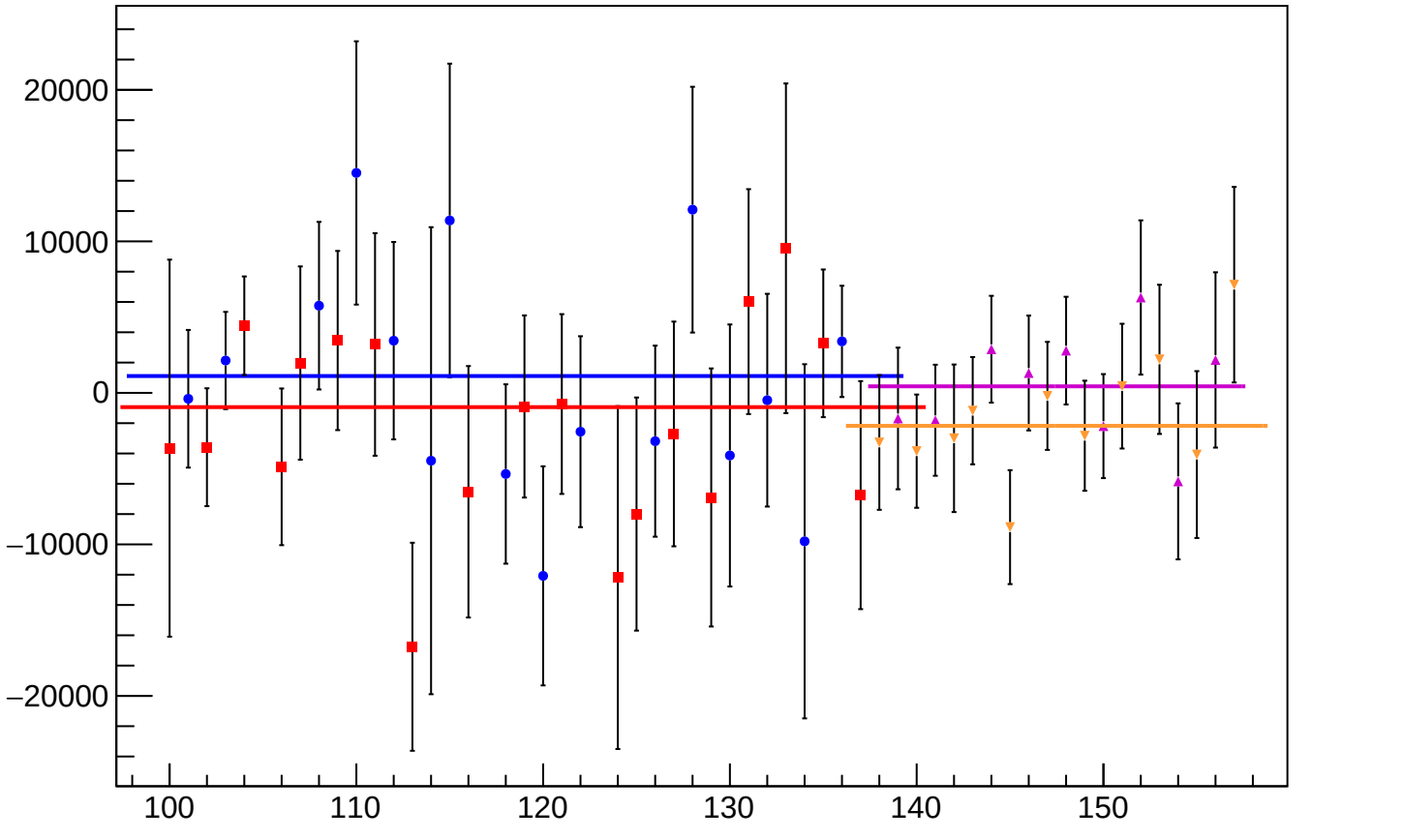
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1833.309+/-0.463 χ^2/NDF:11485.9/8

+ sign 1866.665+/-0.334 χ^2/NDF: 721240.3/26

All: 1861.146+/-0.238 χ^2/NDF: 954774.9/54

- sign 1855.487+/-0.339 χ^2/NDF: 232983.2/27



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2175.758+/-1263.385 χ^2/NDF:7.3/10

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

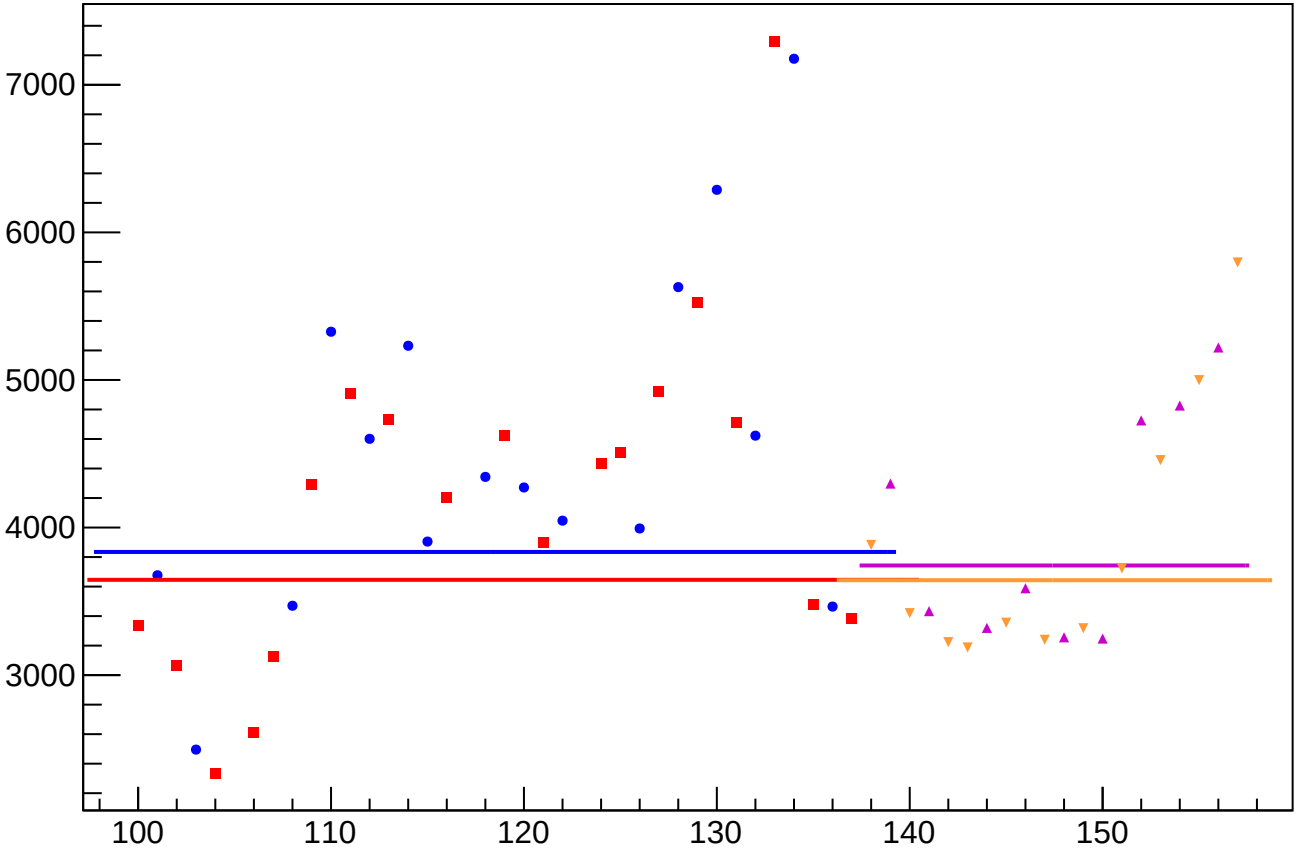
Left In: 431.421+/-1360.278 χ^2/NDF:5.0/8

+ sign -789.456+/-960.742 χ^2/NDF: 23.5/26

All: -516.582+/-684.423 χ^2/NDF: 45.4/54

- sign -235.397+/-975.261 χ^2/NDF: 21.7/27

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3643.112+/-0.893 χ^2/NDF:513456.9/10

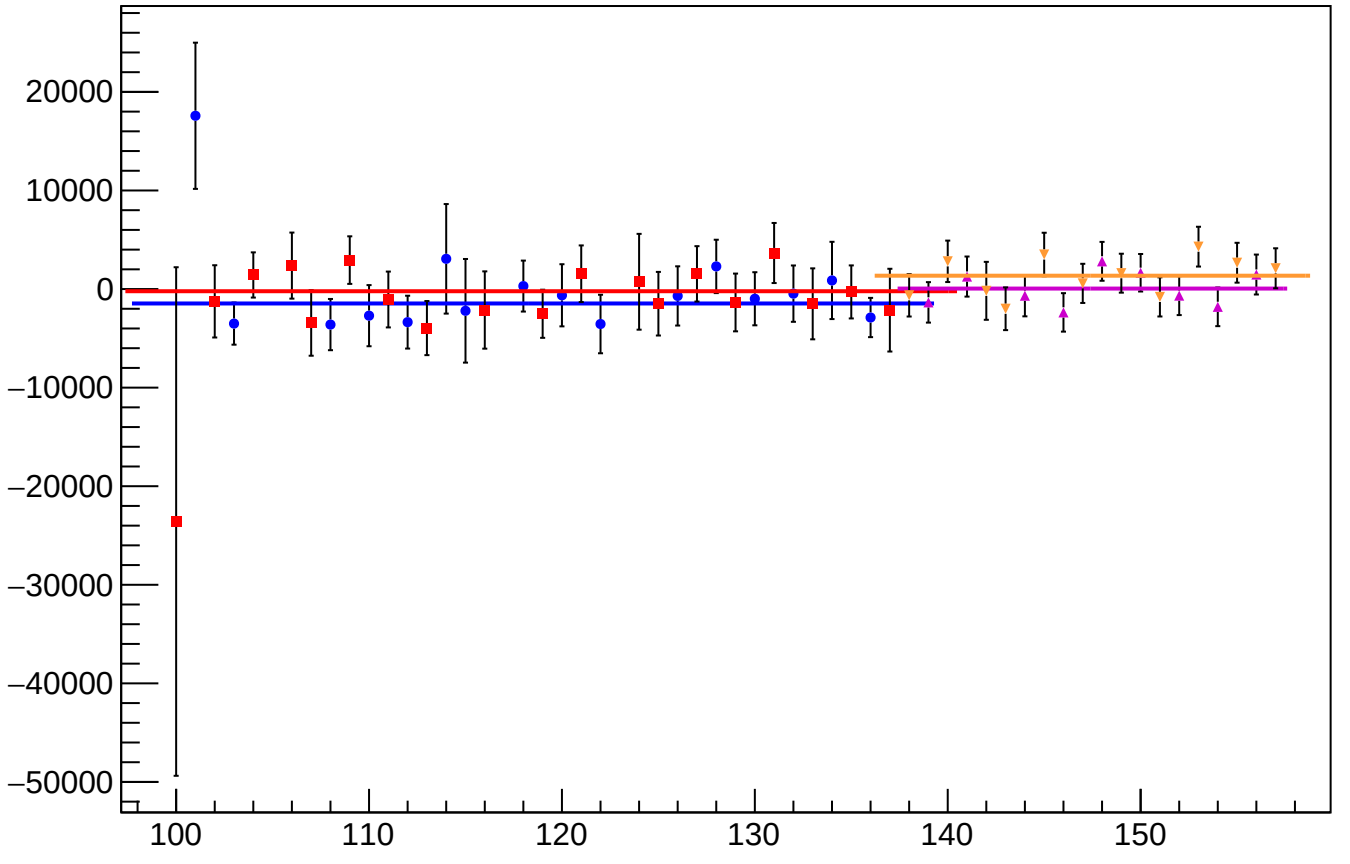
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3742.892+/-0.962 χ^2/NDF:447196.6/8

+ sign 3723.903+/-0.679 χ^2/NDF: 1489163.2/26

All: 3709.991+/-0.484 χ^2/NDF: 3067155.7/54

- sign 3695.654+/-0.690 χ^2/NDF: 1577141.0/27



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.806+/-635.826 χ^2/NDF:9.0/10

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

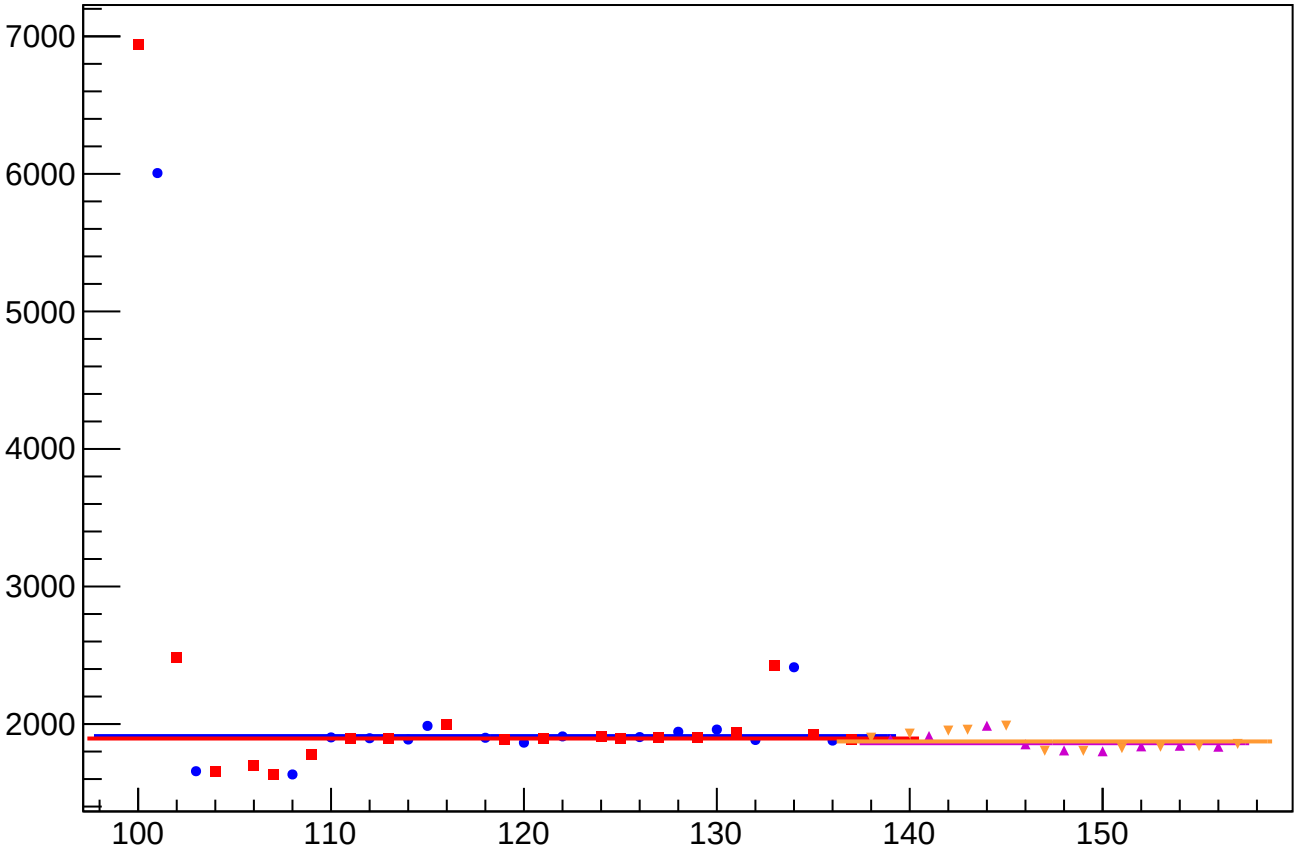
Left In: 49.100+/-664.684 χ^2/NDF:6.7/8

\+ sign 136.156+/-478.968 χ^2/NDF: 31.0/26

All: 31.041+/-340.748 χ^2/NDF: 48.7/54

\- sign -76.678+/-484.866 χ^2/NDF: 17.5/27

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1873.472+/-0.450 χ^2/NDF:19099.9/10

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

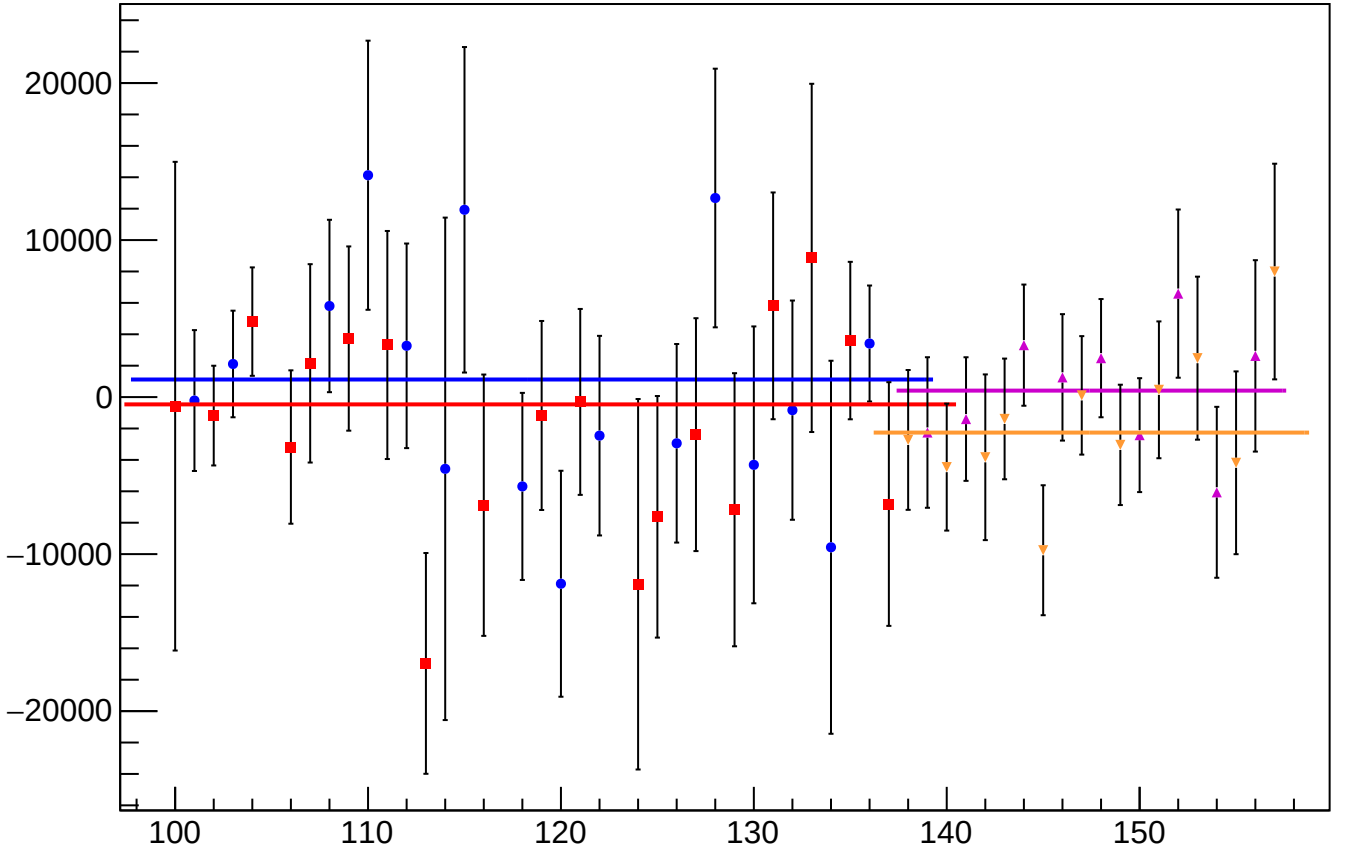
Left In: 1860.629+/-0.470 χ^2/NDF:13139.2/8

+ sign 1890.301+/-0.339 χ^2/NDF: 718559.1/26

All: 1883.540+/-0.241 χ^2/NDF: 954757.1/54

- sign 1876.618+/-0.343 χ^2/NDF: 235391.6/27

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2260.323+/-1345.327 χ^2/NDF:7.7/10

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

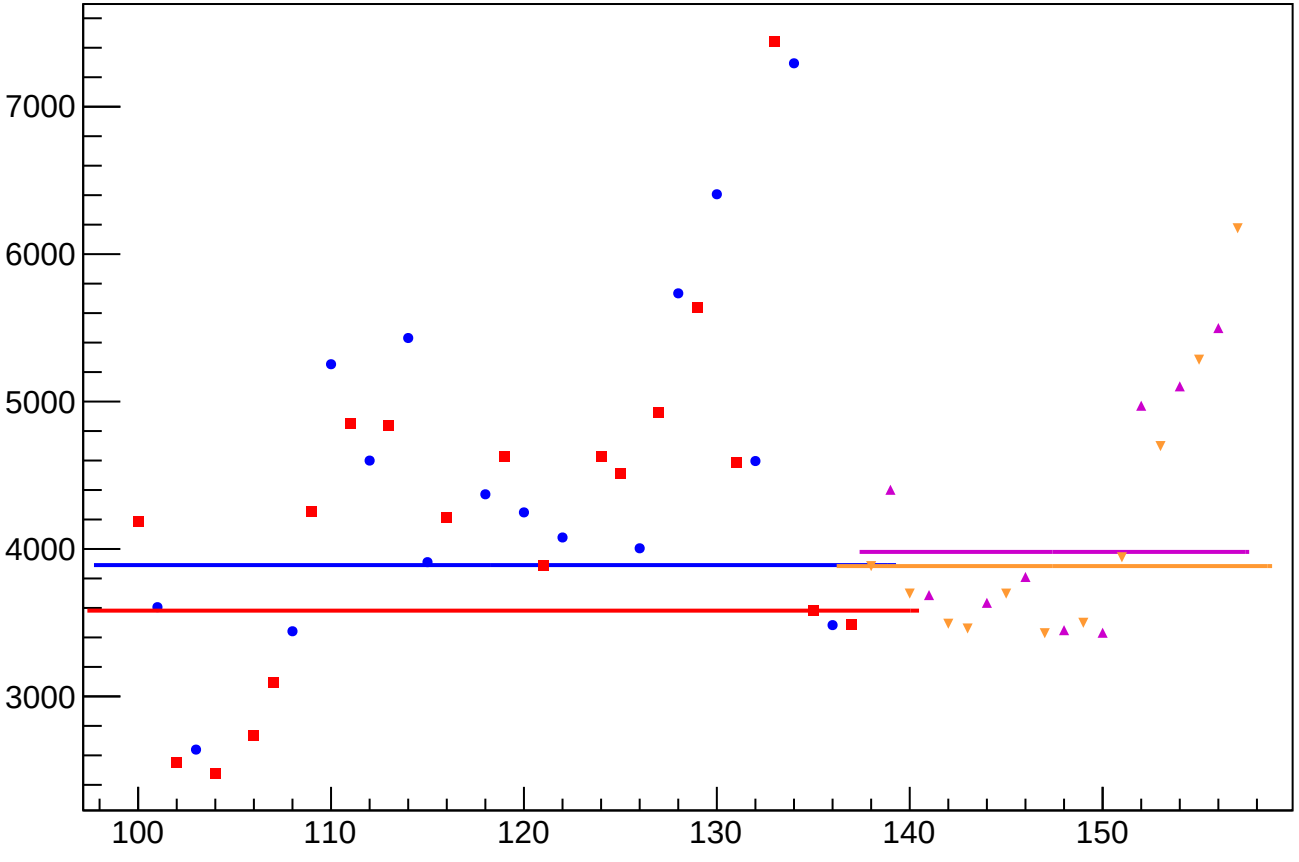
Left In: 412.748+/-1444.882 χ^2/NDF:4.9/8

+ sign -750.702+/-1000.829 χ^2/NDF: 24.0/26

All: -397.546+/-705.433 χ^2/NDF: 44.4/54

- sign -48.865+/-994.467 χ^2/NDF: 20.1/27

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3884.011+/-0.951 χ^2/NDF:480823.8/10

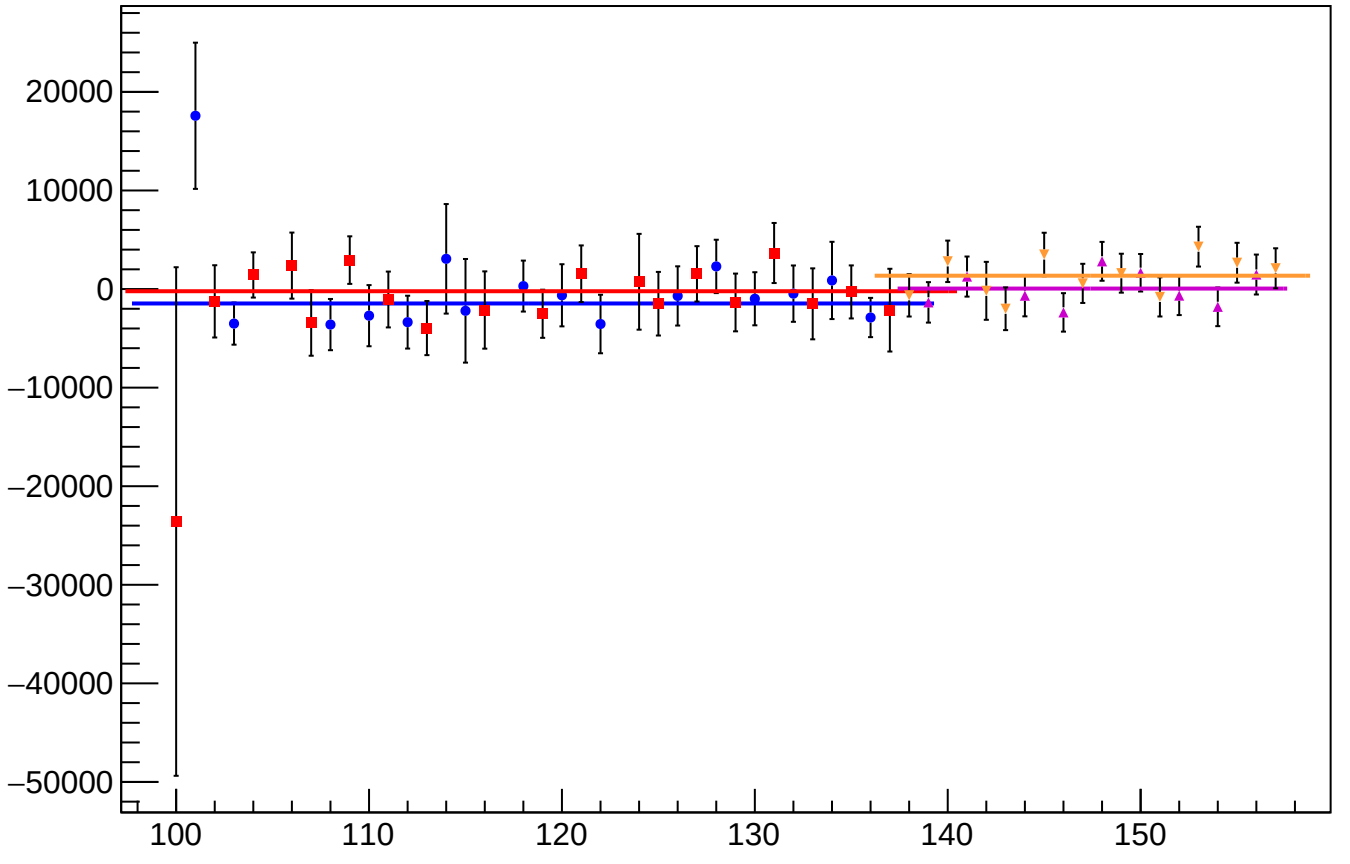
Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3980.165+/-1.022 χ^2/NDF:409403.9/8

+ sign 3887.001+/-0.708 χ^2/NDF: 1359264.1/26

All: 3828.380+/-0.499 χ^2/NDF: 3084178.3/54

- sign 3770.501+/-0.703 χ^2/NDF: 1711277.9/27



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1354.811+/-635.826 χ^2/NDF:9.0/10

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

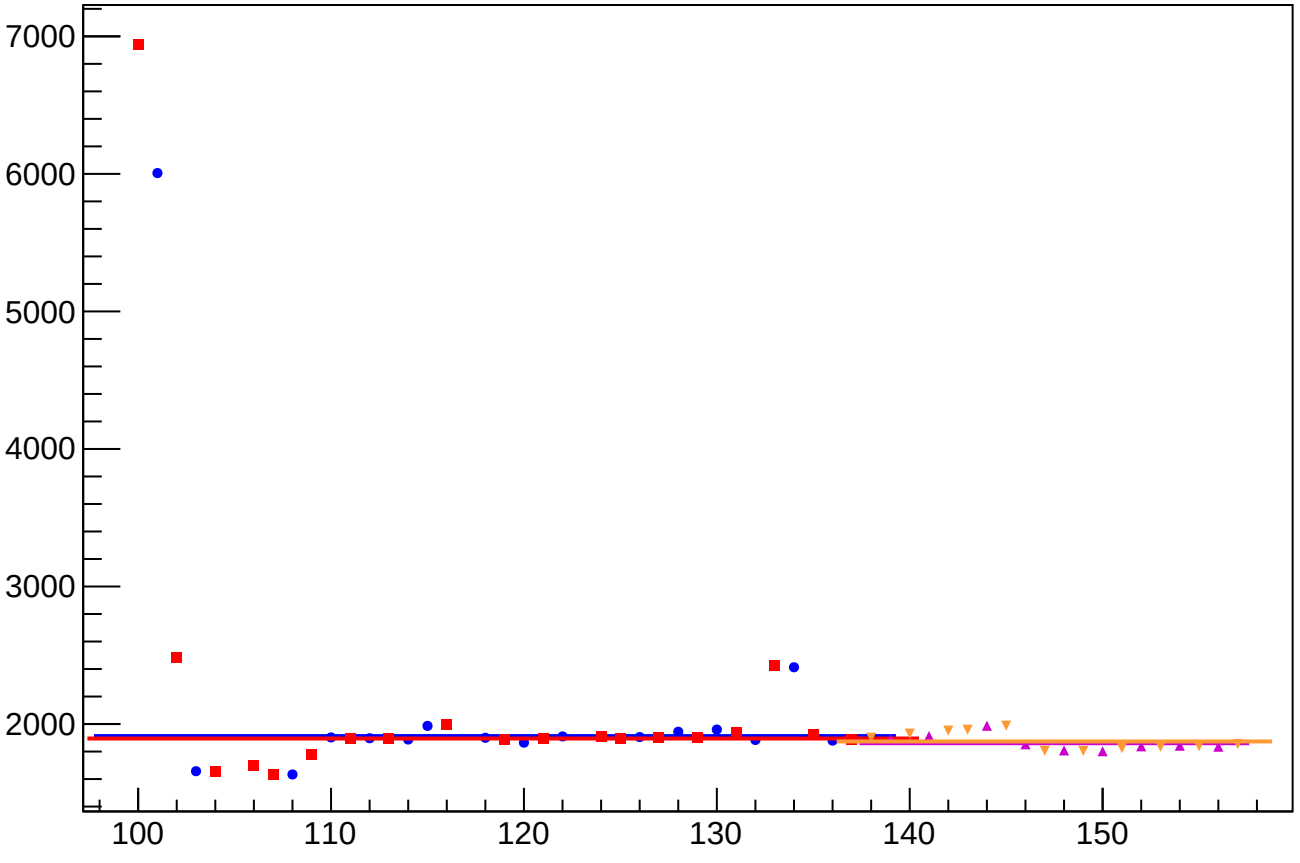
Left In: 49.096+/-664.685 χ^2/NDF:6.7/8

+ sign 136.155+/-478.968 χ^2/NDF: 31.0/26

All: 31.041+/-340.748 χ^2/NDF: 48.7/54

- sign -76.677+/-484.866 χ^2/NDF: 17.5/27

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1873.473+/-0.450 χ^2/NDF:19100.0/10

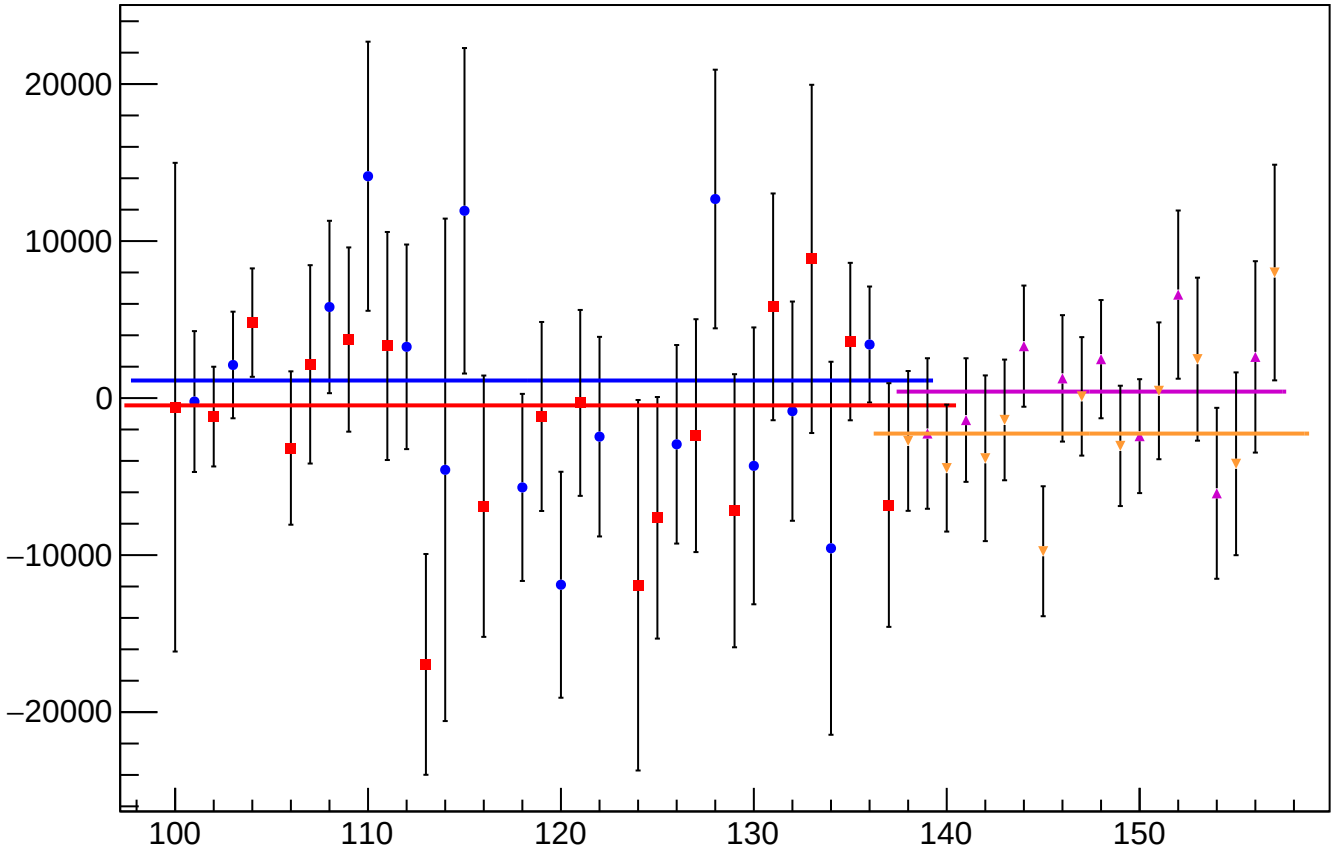
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1860.629+/-0.470 χ^2/NDF:13139.2/8

+ sign 1890.301+/-0.339 χ^2/NDF: 718559.0/26

All: 1883.540+/-0.241 χ^2/NDF: 954756.8/54

- sign 1876.619+/-0.343 χ^2/NDF: 235391.4/27



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2260.321+/-1345.329 χ^2/NDF:7.7/10

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

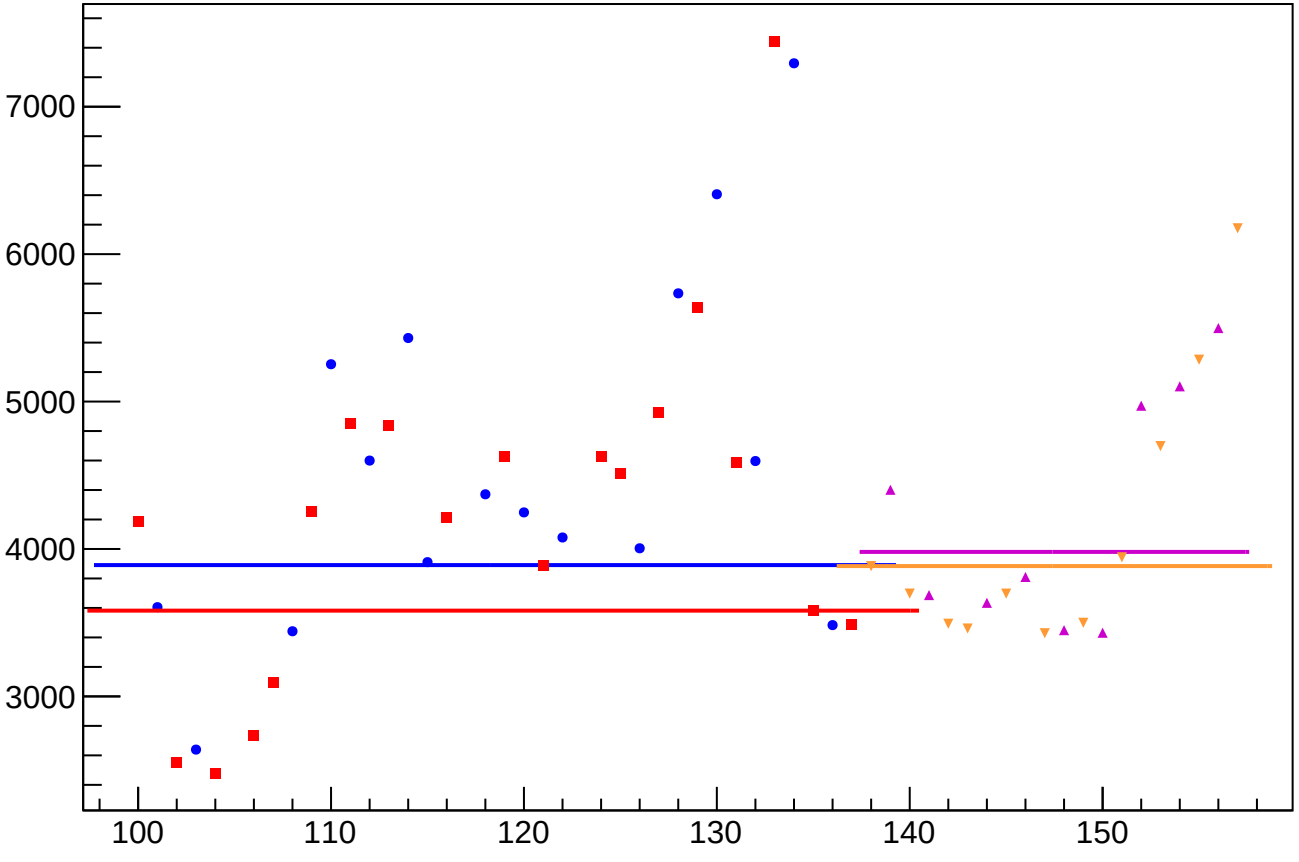
Left In: 412.746+/-1444.883 χ^2/NDF:4.9/8

+ sign -750.703+/-1000.830 χ^2/NDF: 24.0/26

All: -397.547+/-705.433 χ^2/NDF: 44.4/54

- sign -48.867+/-994.467 χ^2/NDF: 20.1/27

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3884.016+/-0.951 χ^2/NDF:480822.3/10

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

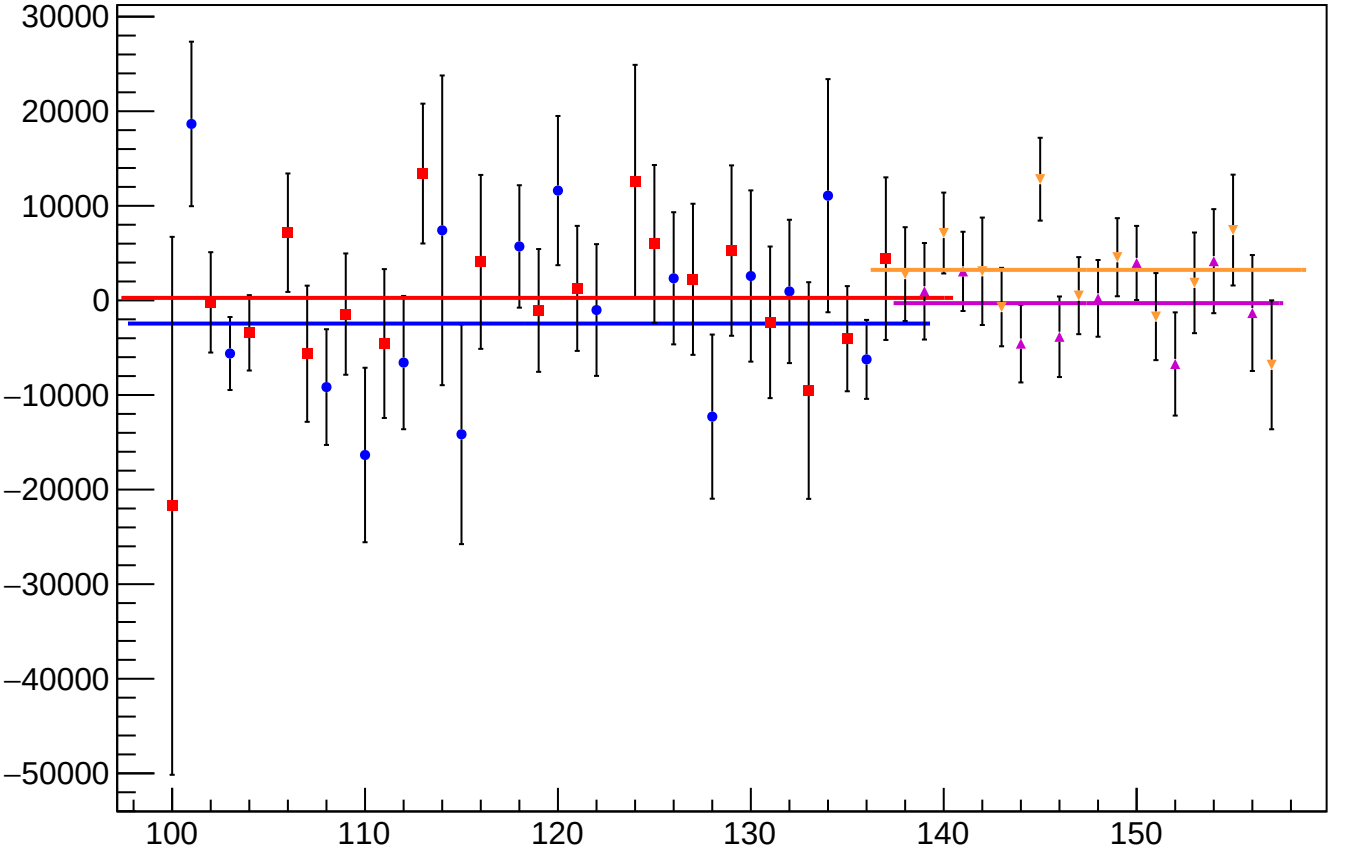
Left In: 3980.169+/-1.022 χ^2/NDF:409402.6/8

+ sign 3887.003+/-0.708 χ^2/NDF: 1359253.6/26

All: 3828.381+/-0.499 χ^2/NDF: 3084161.3/54

- sign 3770.501+/-0.703 χ^2/NDF: 1711271.0/27

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3228.553+/-1430.279 χ^2/NDF:11.0/10

Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

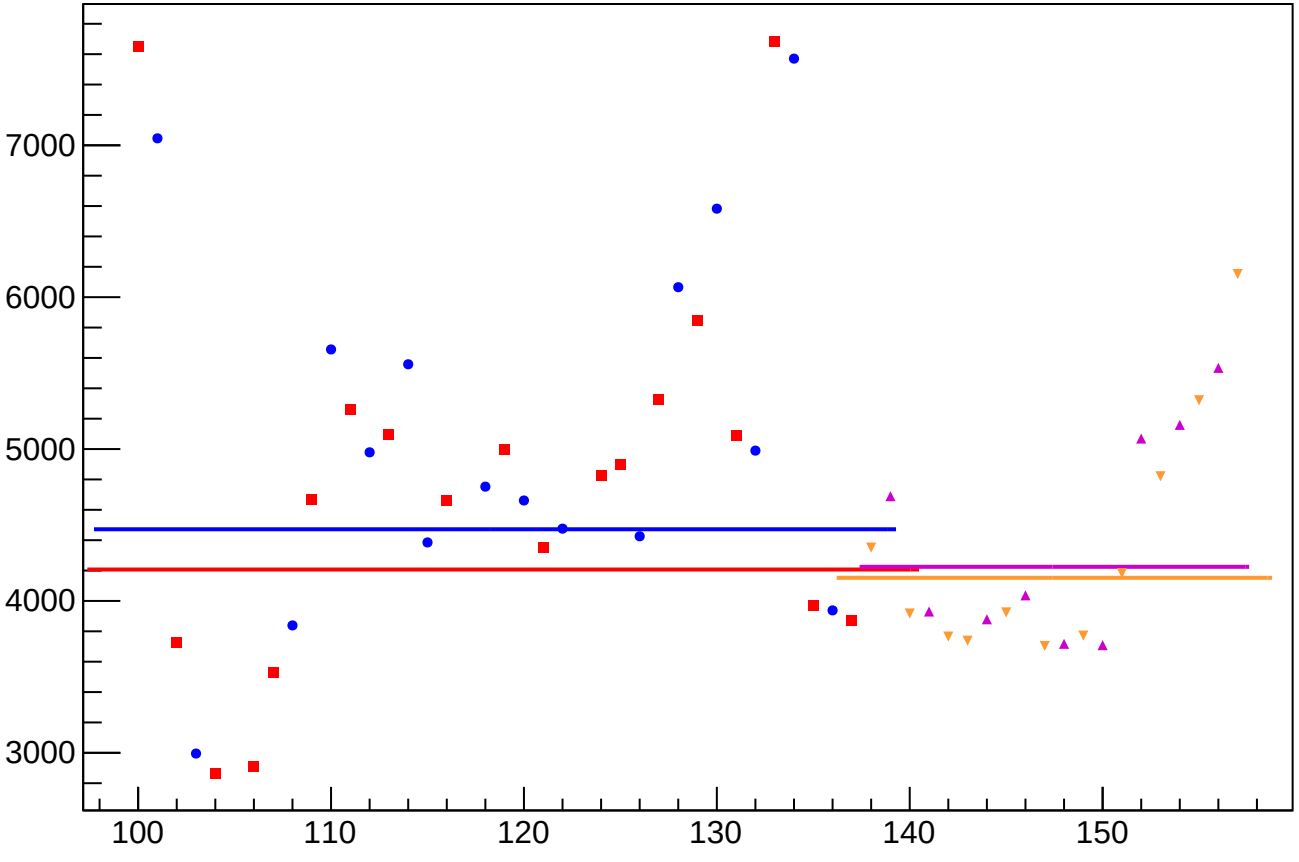
Left In: -289.025+/-1526.649 χ^2/NDF:5.7/8

+ sign 907.358+/-1099.650 χ^2/NDF: 38.3/26

All: 444.621+/-781.855 χ^2/NDF: 55.2/54

- sign -28.456+/-1111.870 χ^2/NDF: 16.5/27

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4152.377+/-1.011 χ^2/NDF:368807.1/10

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

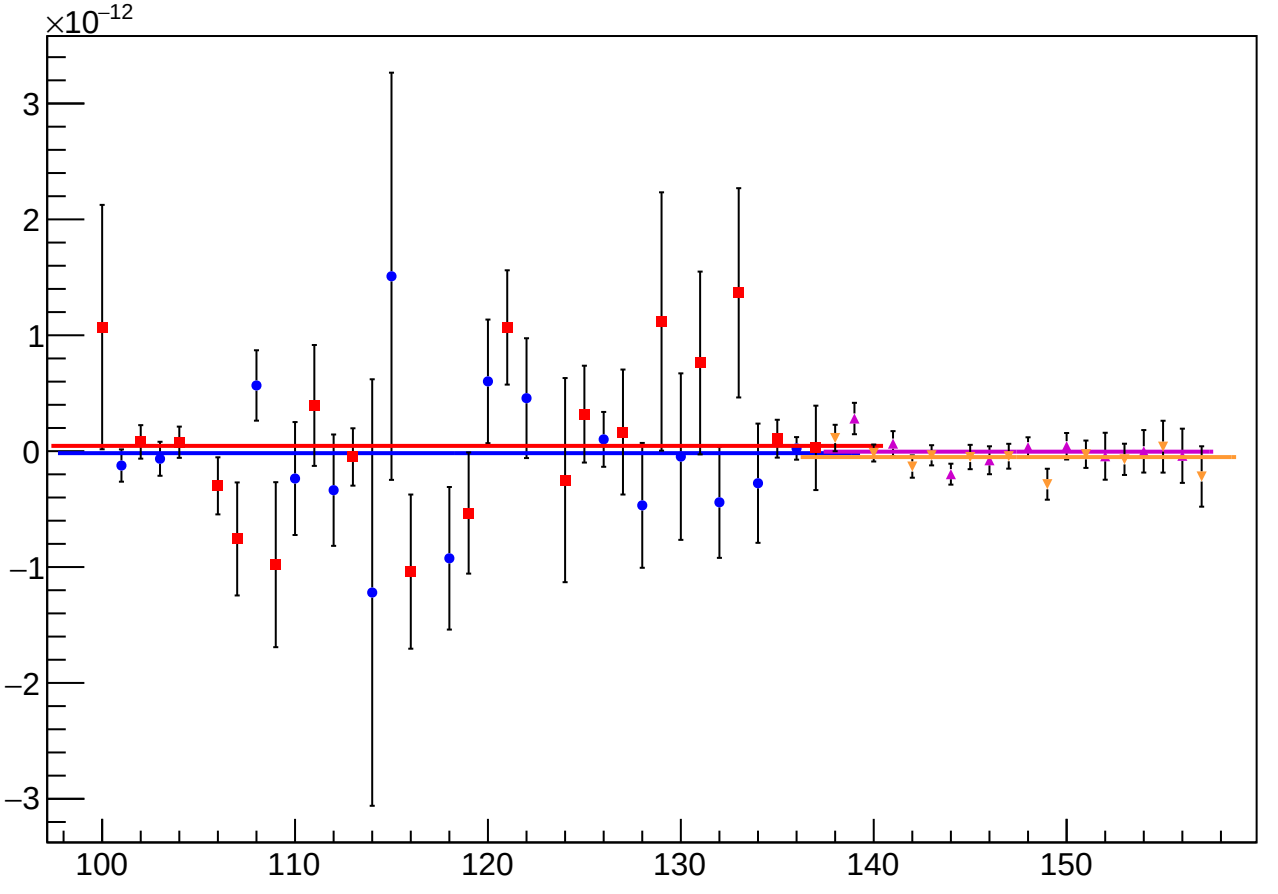
Left In: 4224.692+/-1.080 χ^2/NDF:307419.7/8

+ sign 4283.029+/-0.778 χ^2/NDF: 1301299.8/26

All: 4249.888+/-0.552 χ^2/NDF: 2459032.6/54

- sign 4216.268+/-0.783 χ^2/NDF: 1154073.5/27

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

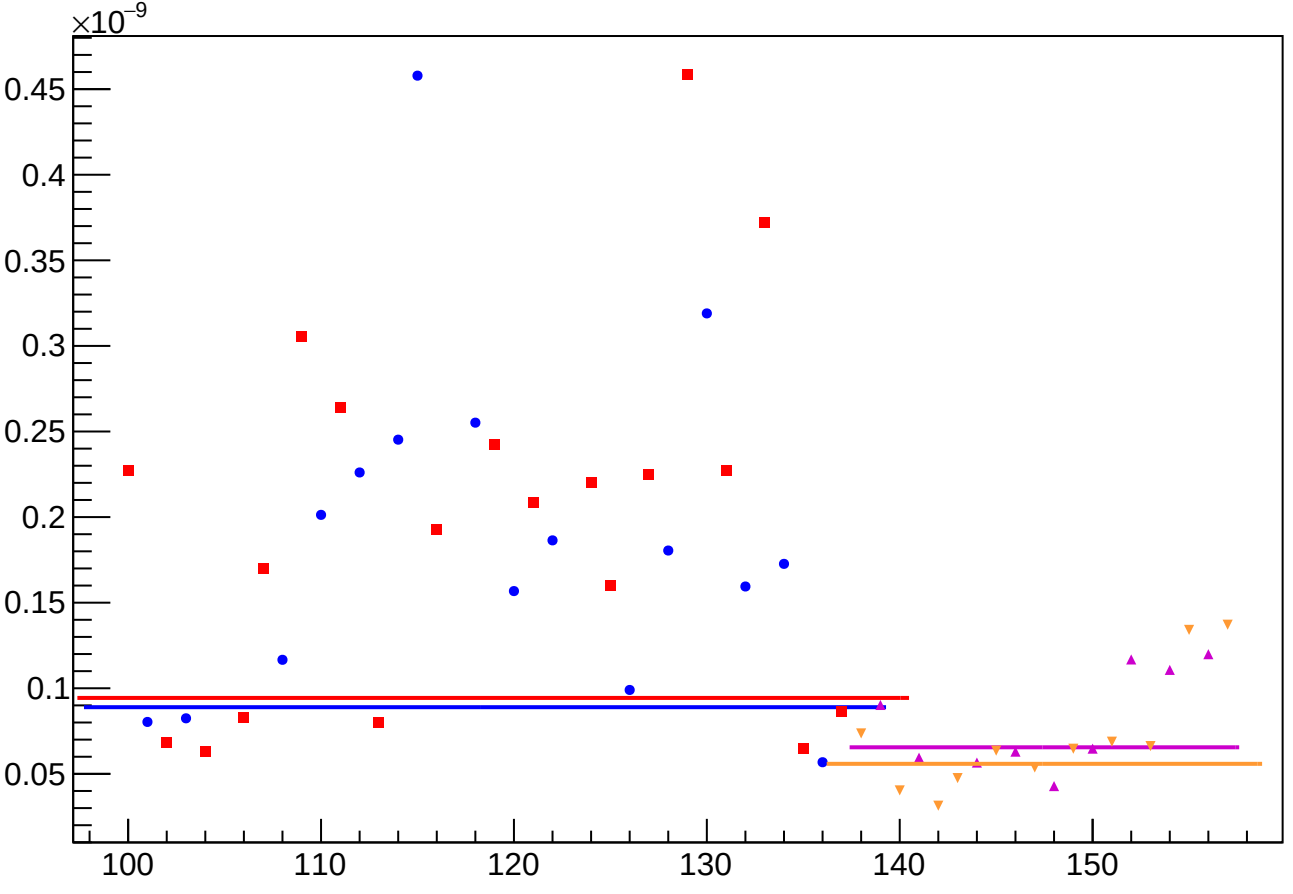
Left In: -0.000+/-0.000 χ^2/NDF:10.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 19.8/26

All: -0.000+/-0.000 χ^2/NDF: 53.0/54

- sign 0.000+/-0.000 χ^2/NDF: 31.9/27

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:780992.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

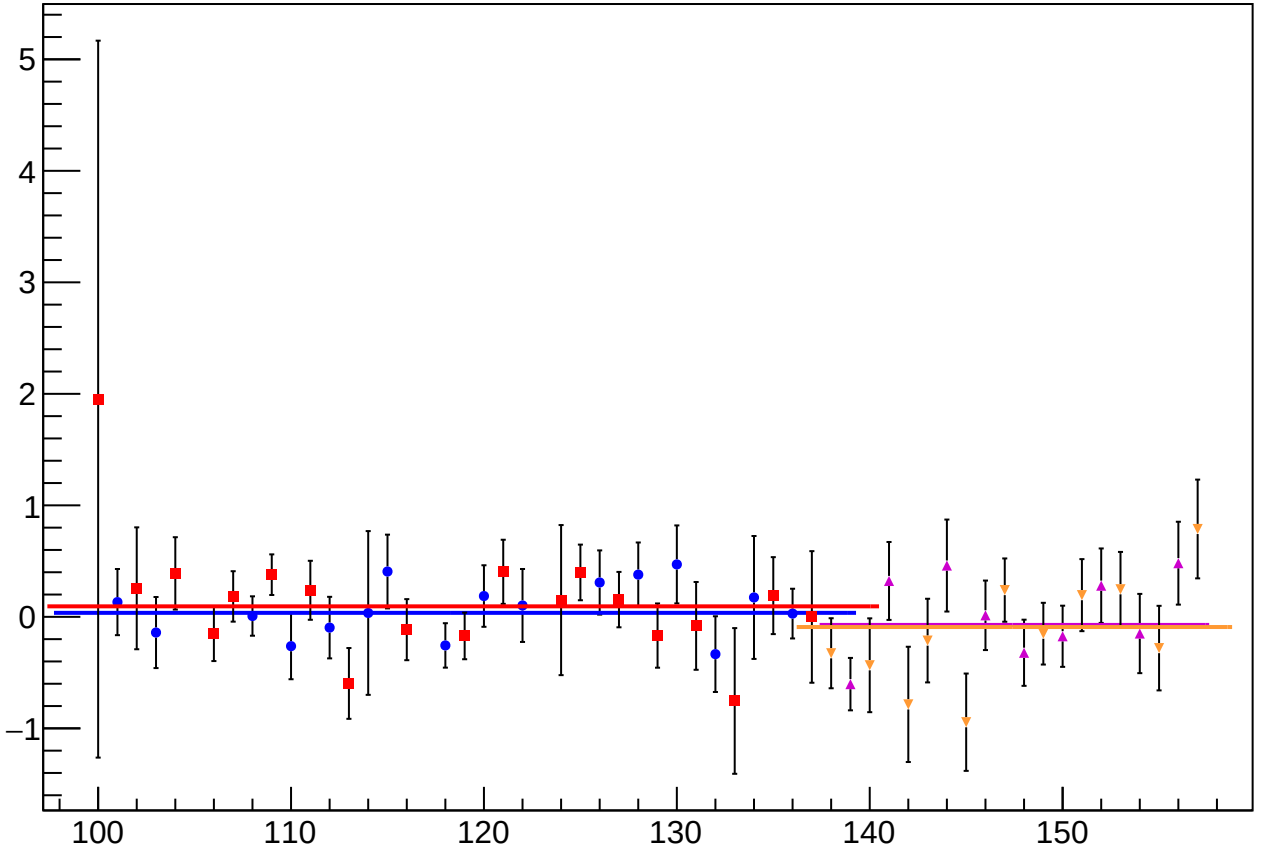
Left In: 0.000+/-0.000 χ^2/NDF:591725.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 2459018.9/26

All: 0.000+/-0.000 χ^2/NDF: 5101063.5/54

- sign 0.000+/-0.000 χ^2/NDF: 2552711.3/27

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

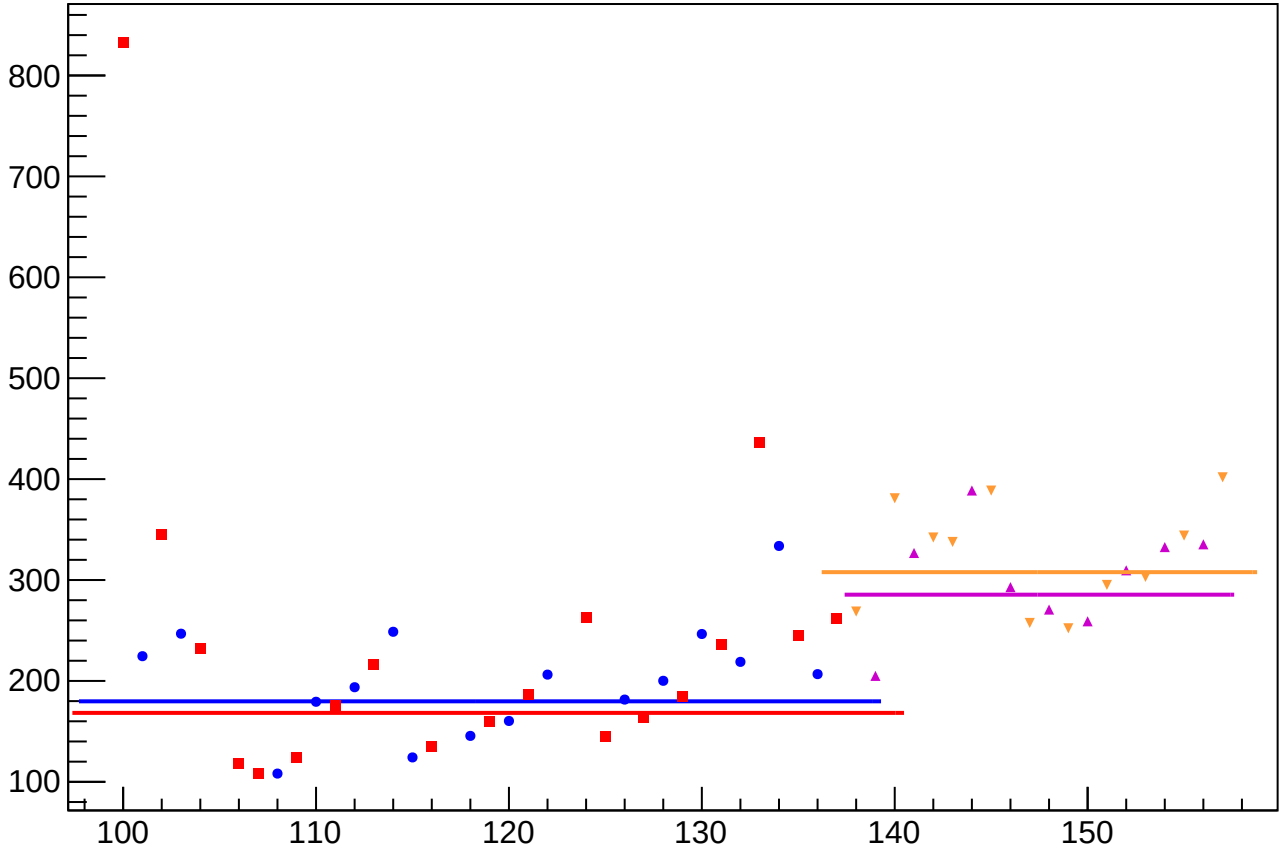
Left In: -0.072+/-0.105 χ^2/NDF:12.3/8

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.022+/-0.041 χ^2/NDF: 58.0/54

- sign 0.045+/-0.057 χ^2/NDF: 31.8/27

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

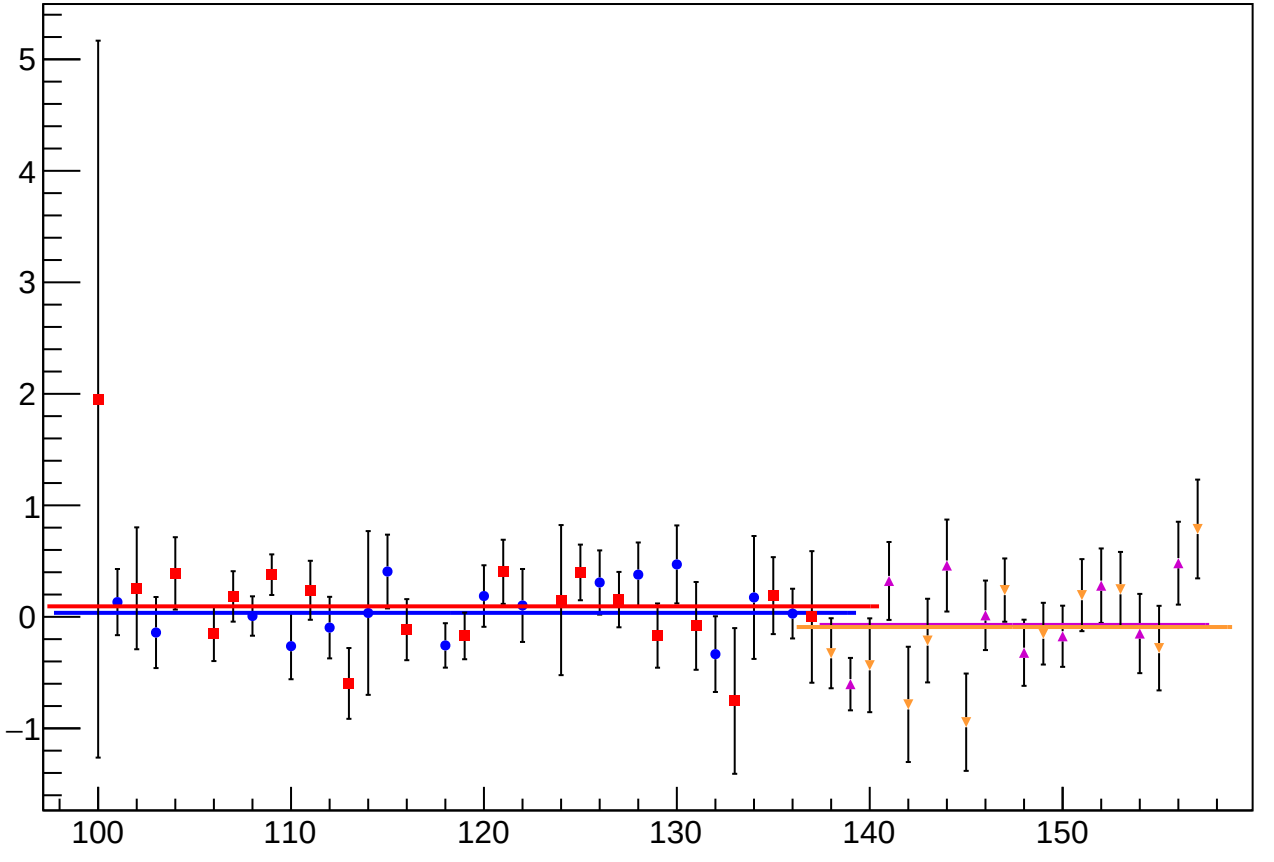
Left In: 285.474+/-0.074 χ^2/NDF:493997.1/8

+ sign 218.778+/-0.042 χ^2/NDF: 3359014.3/26

All: 210.520+/-0.029 χ^2/NDF: 7104952.3/54

- sign 202.827+/-0.040 χ^2/NDF: 3669901.6/27

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

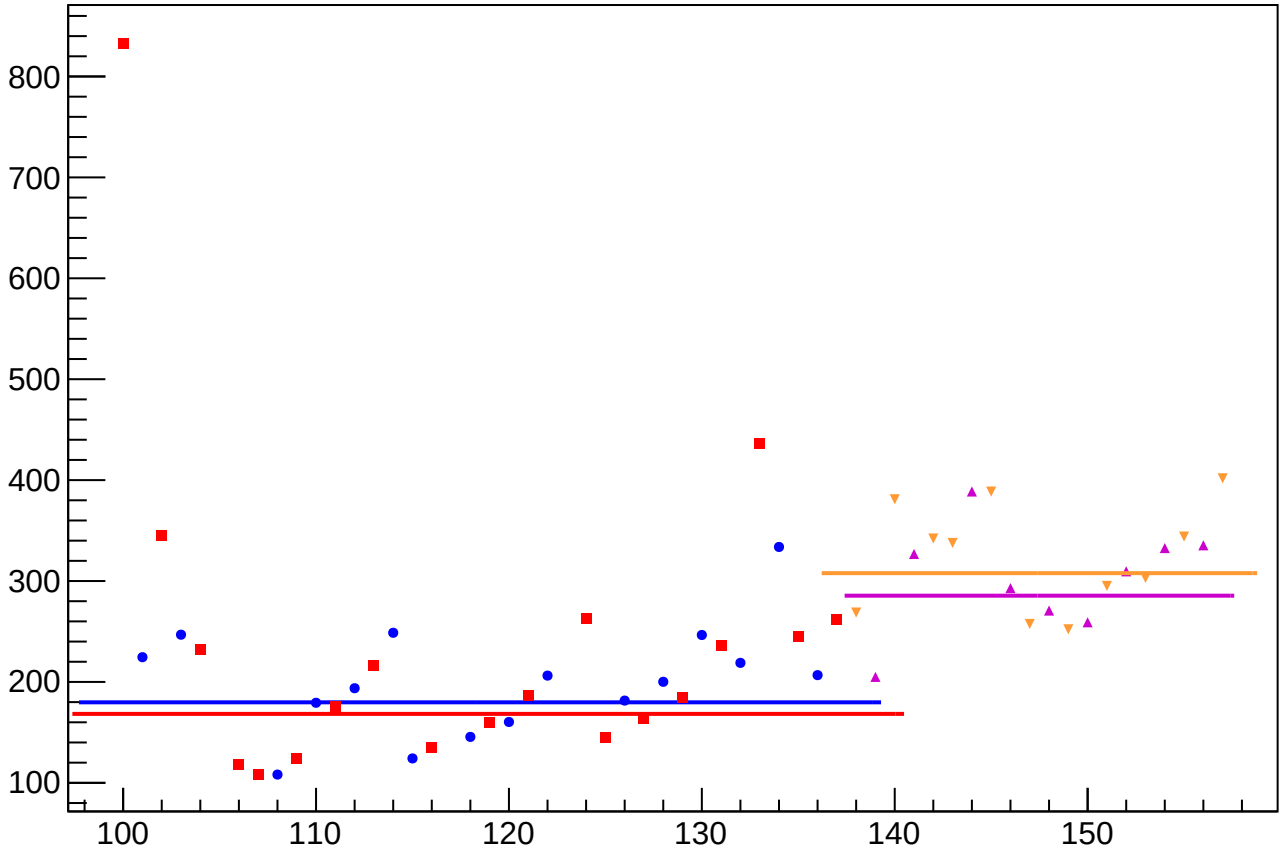
Left In: -0.072+/-0.105 χ^2/NDF:12.3/8

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.022+/-0.041 χ^2/NDF: 58.0/54

- sign 0.045+/-0.057 χ^2/NDF: 31.8/27

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 307.799+/-0.075 χ^2/NDF:437121.3/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

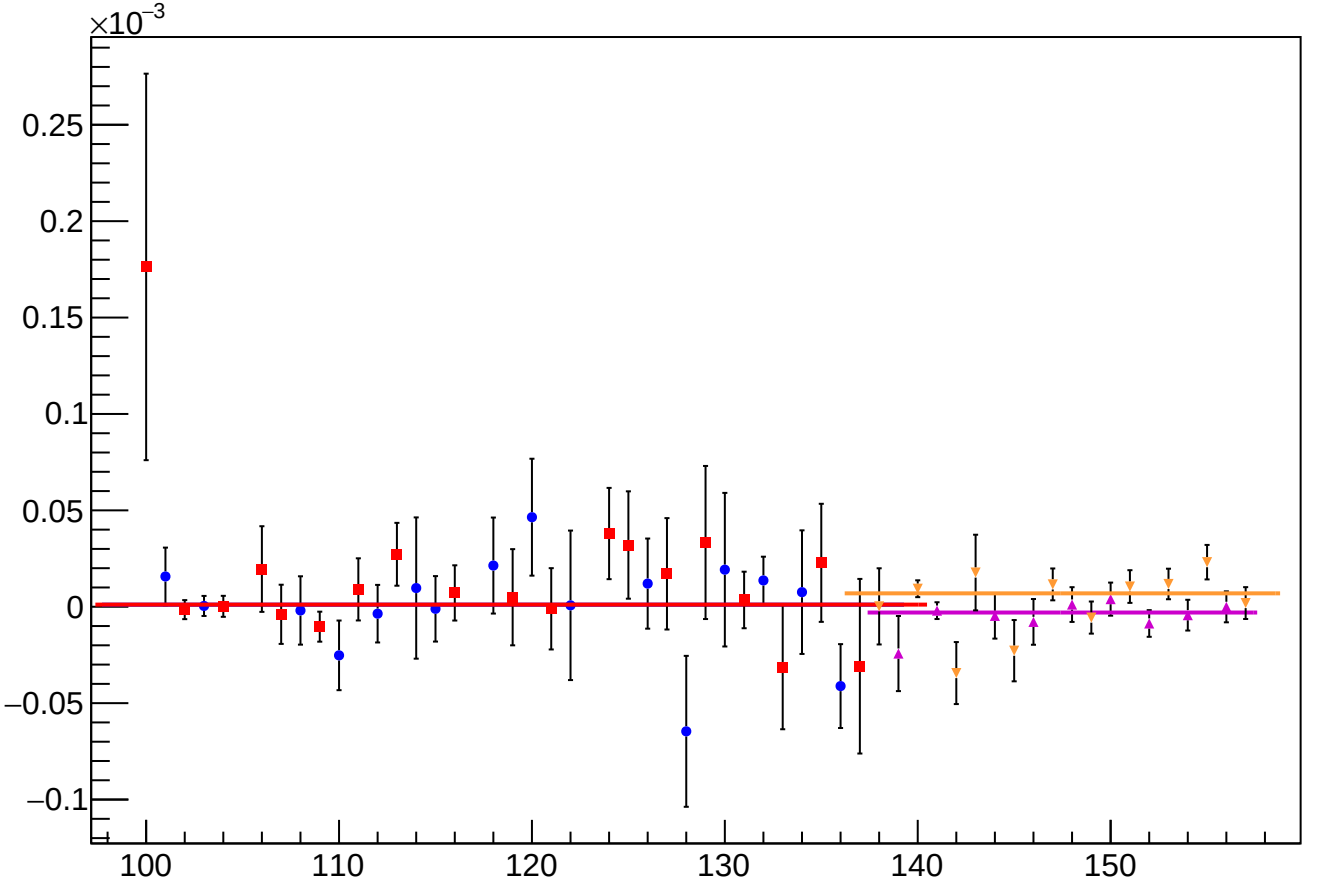
Left In: 285.474+/-0.074 χ^2/NDF:493997.1/8

+ sign 218.778+/-0.042 χ^2/NDF: 3359014.3/26

All: 210.520+/-0.029 χ^2/NDF: 7104952.3/54

- sign 202.827+/-0.040 χ^2/NDF: 3669901.6/27

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/10

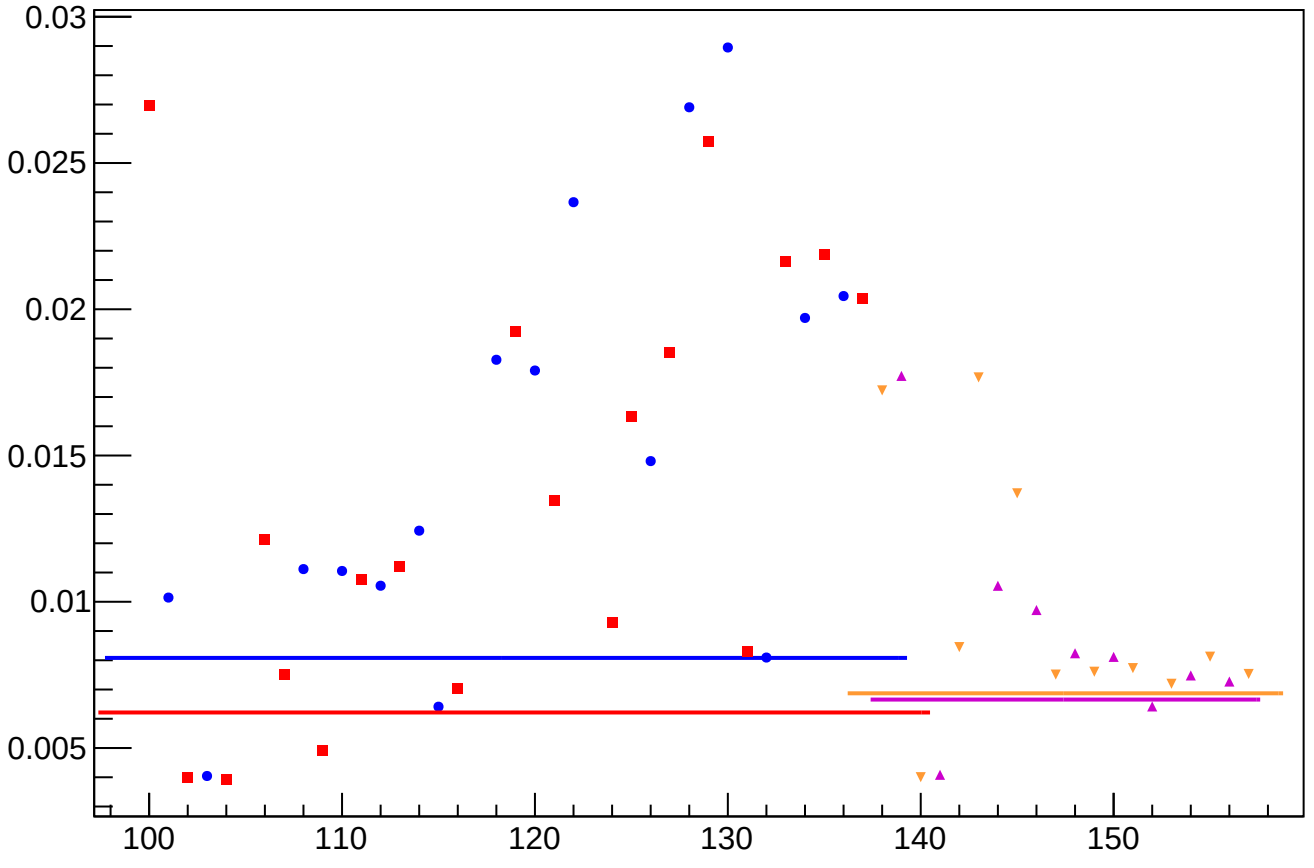
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 33.6/26

All: 0.000+/-0.000 χ^2/NDF: 58.5/54

- sign -0.000+/-0.000 χ^2/NDF: 20.3/27



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2511353.7/10

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

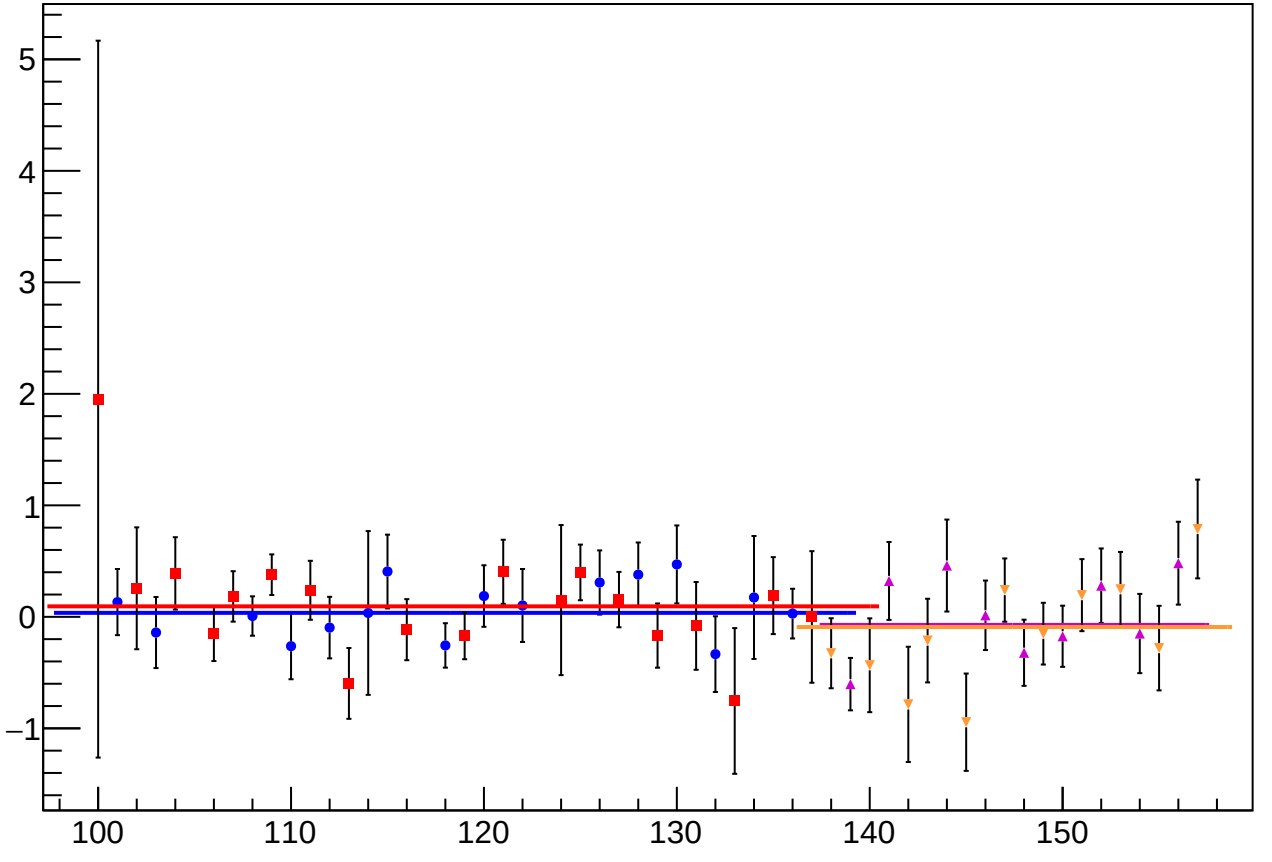
Left In: 0.007+/-0.000 χ^2/NDF:1849893.4/8

+ sign 0.007+/-0.000 χ^2/NDF: 7068551.7/26

All: 0.007+/-0.000 χ^2/NDF: 13667302.4/54

- sign 0.006+/-0.000 χ^2/NDF: 6437378.4/27

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.091+/-0.107 χ^2/NDF:14.4/10

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

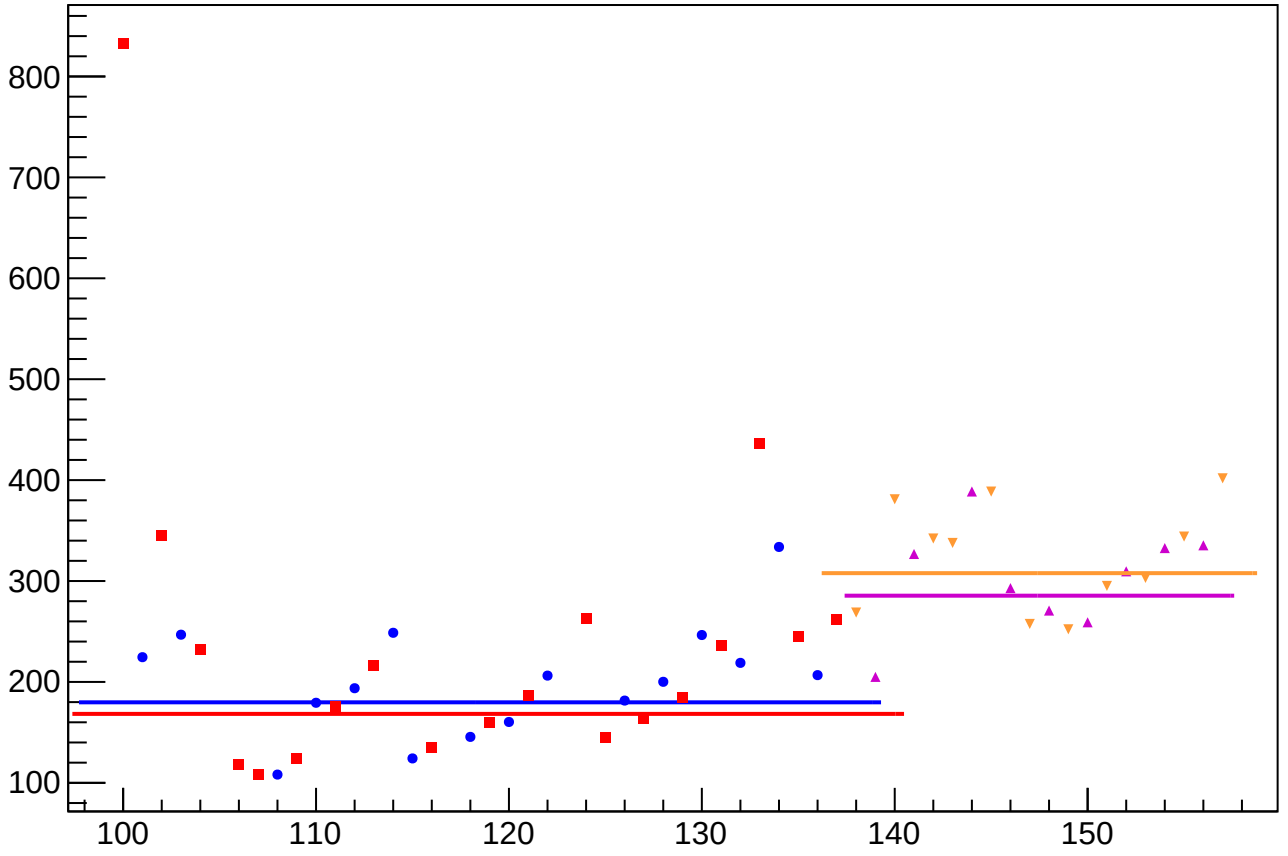
Left In: -0.072+/-0.105 χ^2/NDF:12.3/8

+ sign -0.003+/-0.059 χ^2/NDF: 25.9/26

All: 0.022+/-0.041 χ^2/NDF: 58.0/54

- sign 0.045+/-0.057 χ^2/NDF: 31.8/27

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

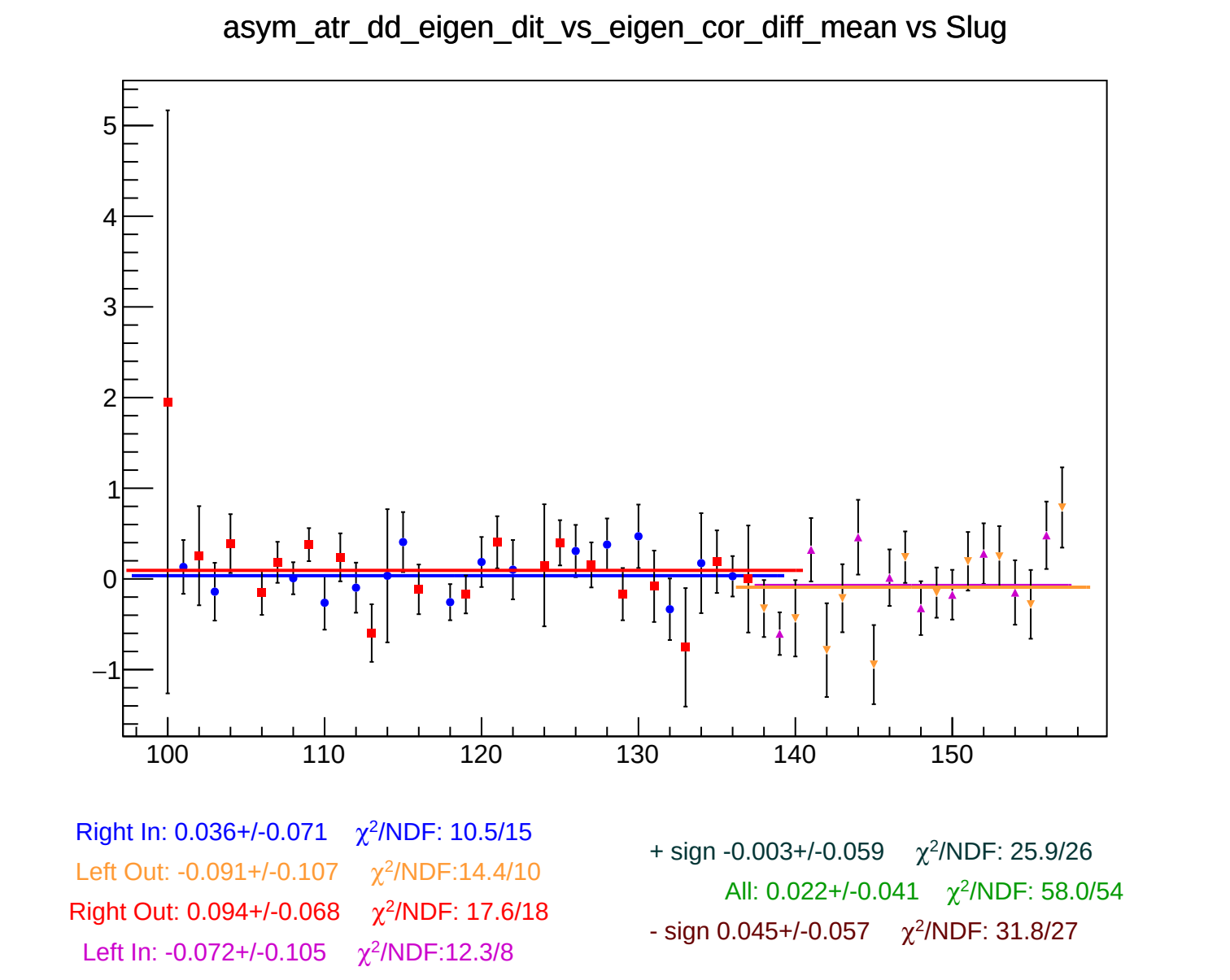
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

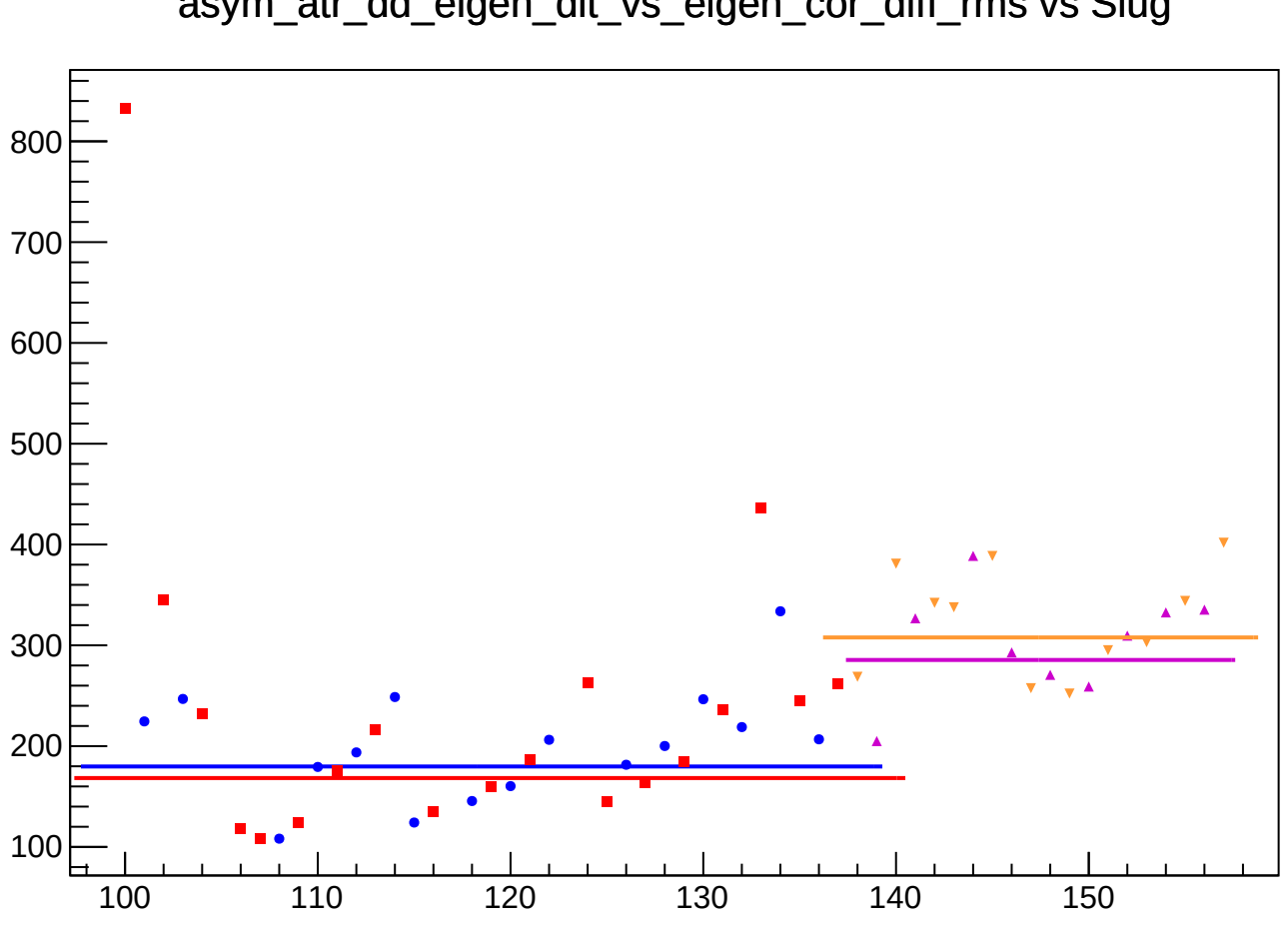
Left In: 285.477+/-0.074 χ^2/NDF:493964.6/8

+ sign 218.776+/-0.042 χ^2/NDF: 3359222.6/26

All: 210.519+/-0.029 χ^2/NDF: 7105190.9/54

- sign 202.828+/-0.040 χ^2/NDF: 3669953.3/27


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.091+/-0.107 χ²/NDF:14.4/10
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.072+/-0.105 χ²/NDF:12.3/8
+ sign -0.003+/-0.059 χ²/NDF: 25.9/26
All: 0.022+/-0.041 χ²/NDF: 58.0/54
- sign 0.045+/-0.057 χ²/NDF: 31.8/27



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 307.803+/-0.075 χ^2/NDF:437099.2/10

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

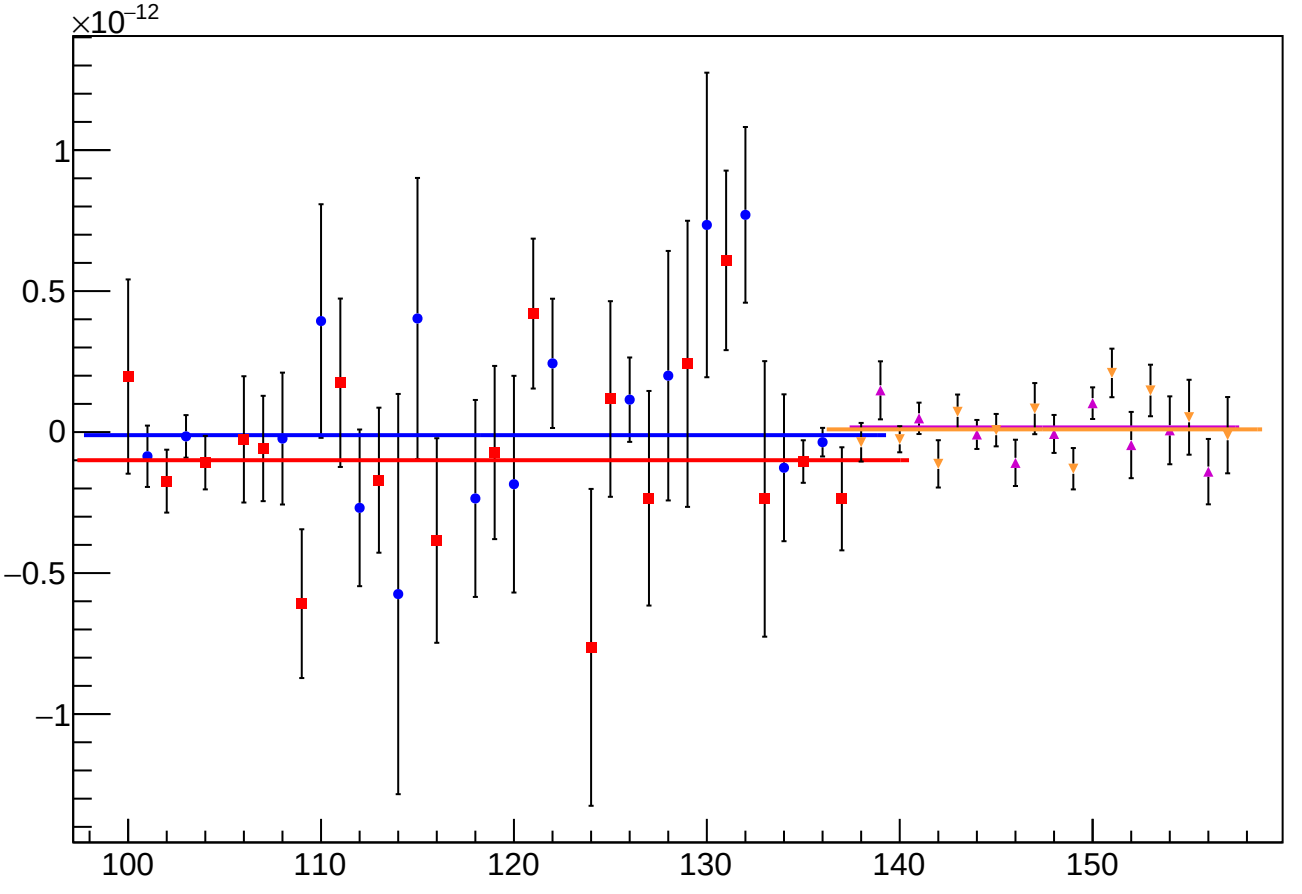
Left In: 285.477+/-0.074 χ^2/NDF:493964.6/8

+ sign 218.776+/-0.042 χ^2/NDF: 3359222.6/26

All: 210.519+/-0.029 χ^2/NDF: 7105190.9/54

- sign 202.828+/-0.040 χ^2/NDF: 3669953.3/27

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/10

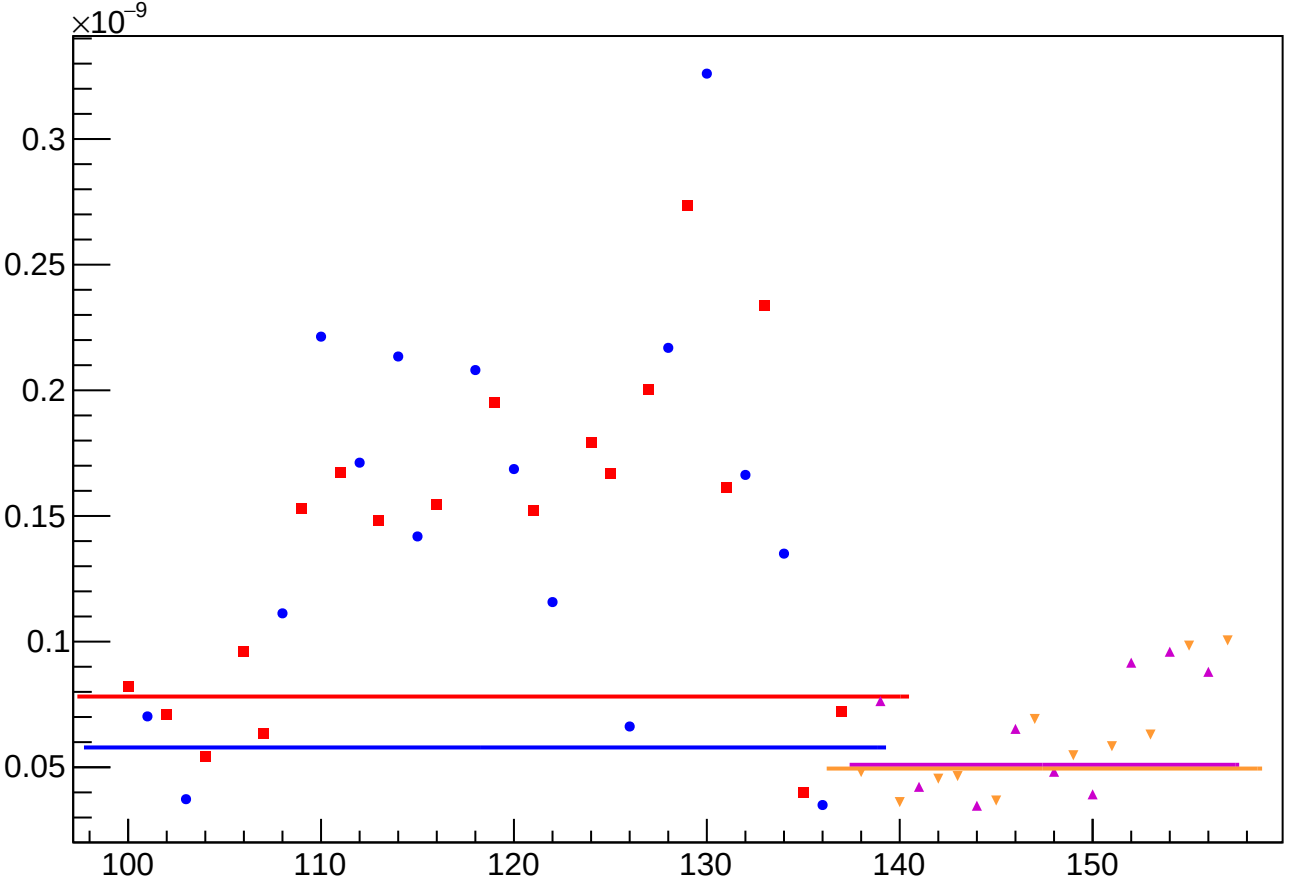
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 31.5/26

All: -0.000+/-0.000 χ^2/NDF: 65.1/54

- sign -0.000+/-0.000 χ^2/NDF: 33.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000608.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

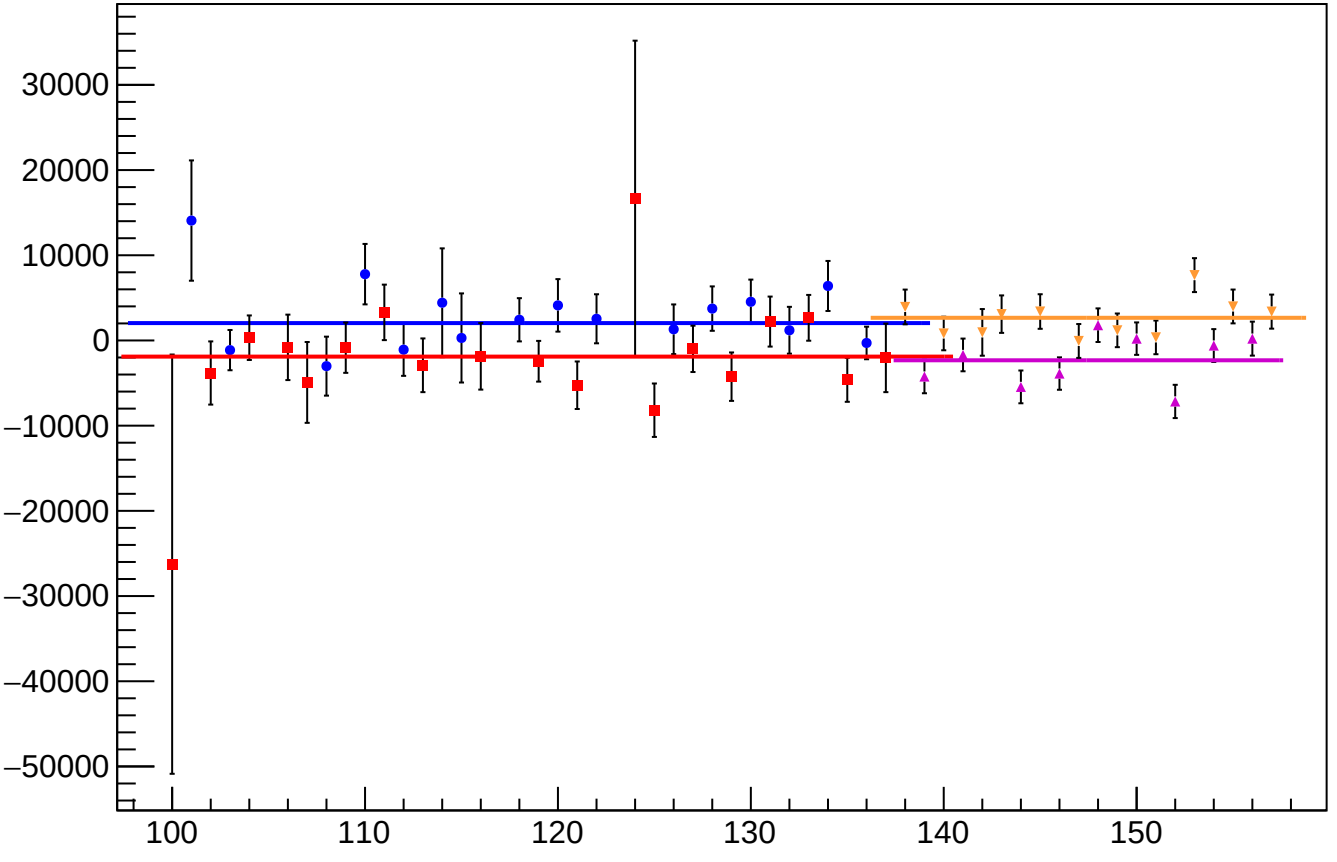
Left In: 0.000+/-0.000 χ^2/NDF:1245185.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 4405268.9/26

All: 0.000+/-0.000 χ^2/NDF: 9095425.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4601715.2/27

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2660.017+/-619.851 χ^2/NDF:12.5/10

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

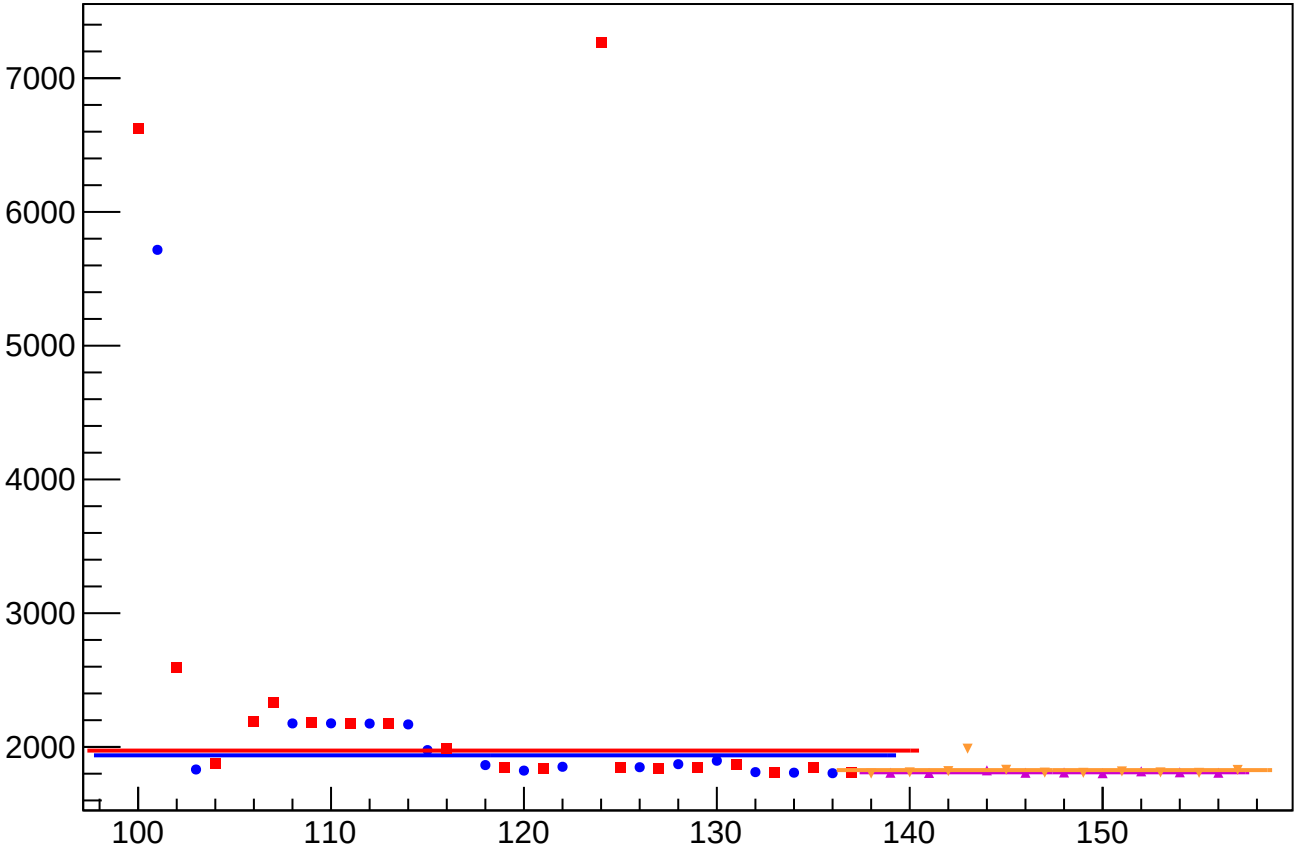
Left In: -2327.381+/-646.471 χ^2/NDF:19.0/8

+ sign 2402.495+/-474.168 χ^2/NDF: 29.4/26

All: 187.178+/-339.369 χ^2/NDF: 111.9/54

- sign -2139.400+/-485.929 χ^2/NDF: 37.7/27

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

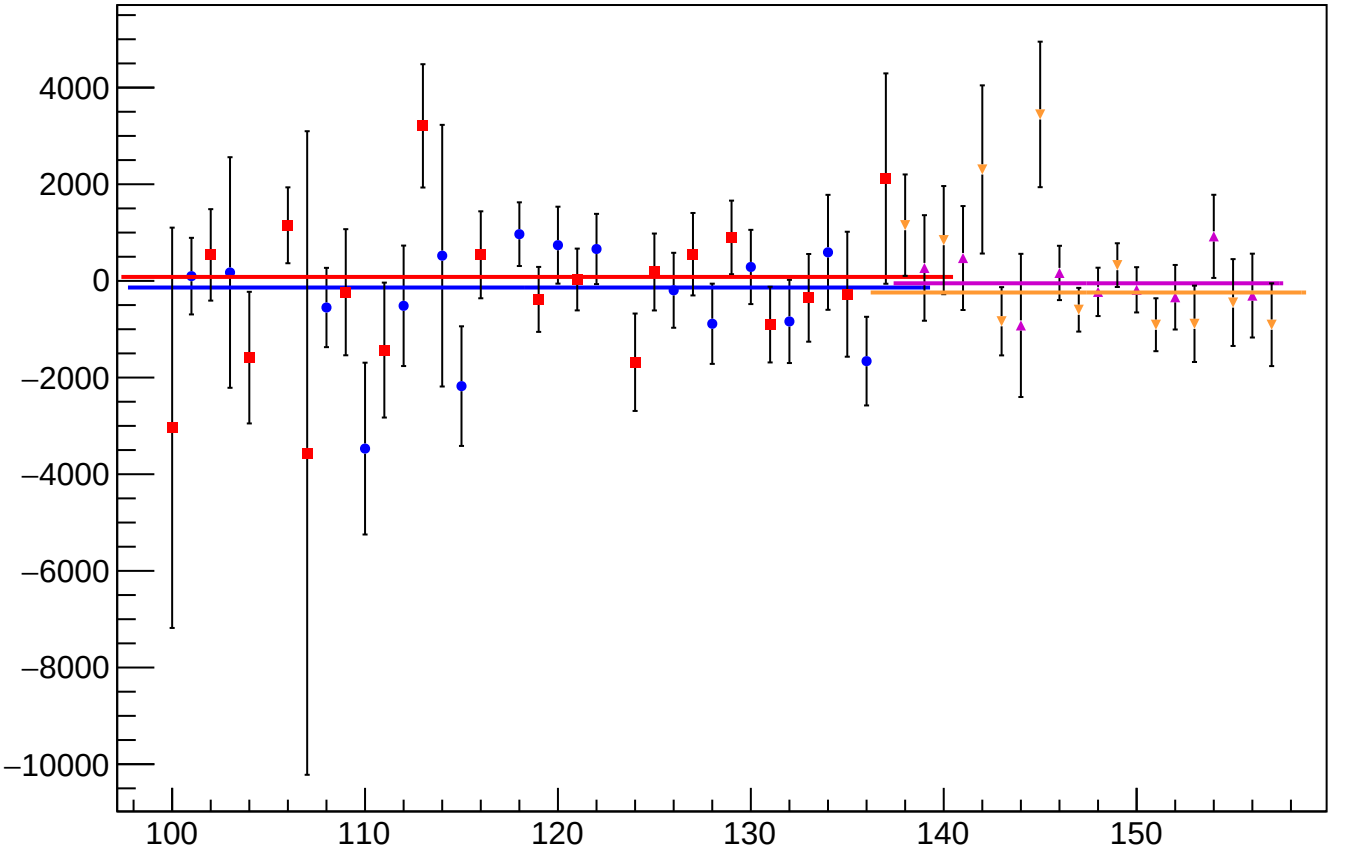
Left In: 1810.400+/-0.457 χ^2/NDF:200.0/8

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.722+/-0.240 χ^2/NDF: 1109267.7/54

- sign 1881.027+/-0.344 χ^2/NDF: 432613.4/27

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -239.932+/-214.190 χ^2/NDF:16.5/10

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

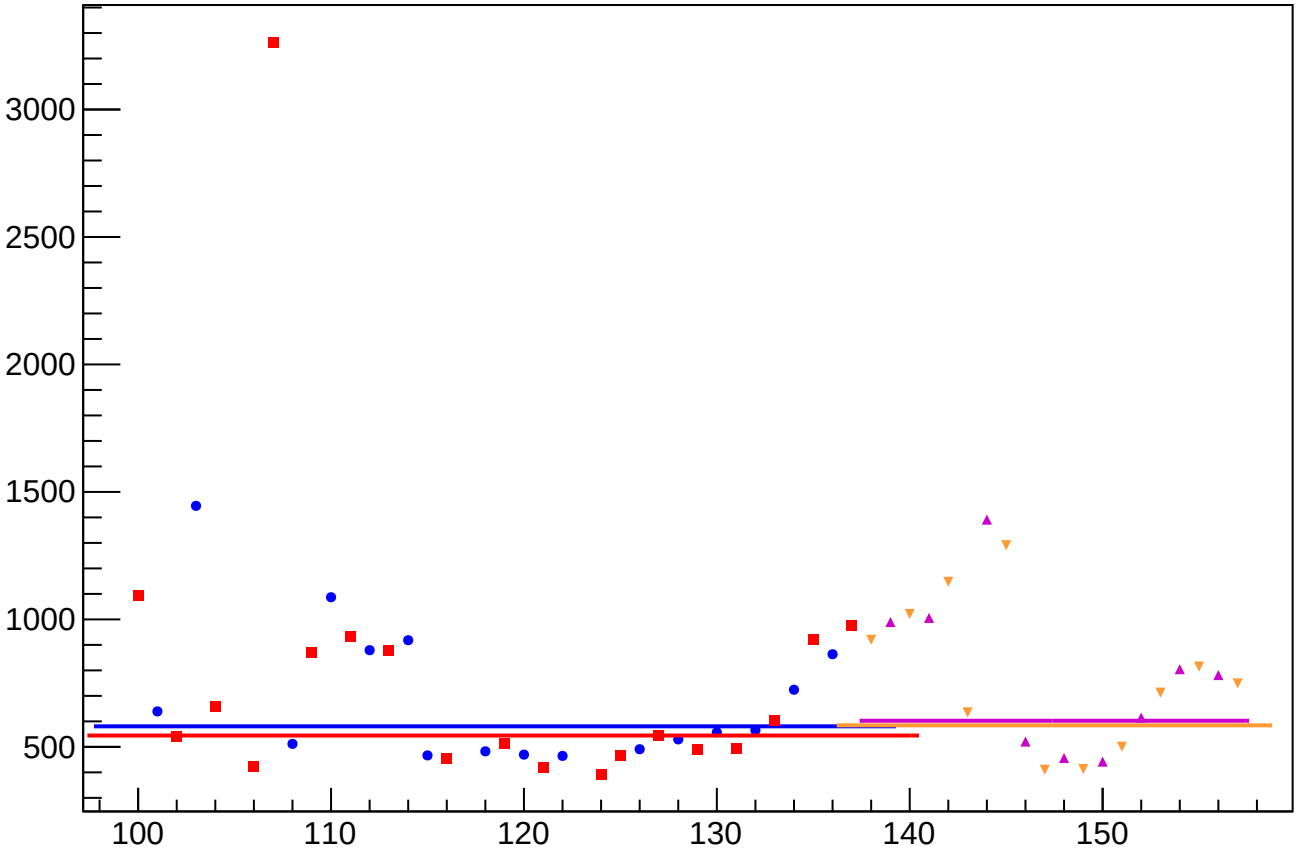
Left In: -49.270+/-230.607 χ^2/NDF:2.6/8

+ sign -192.055+/-156.883 χ^2/NDF: 33.5/26

All: -88.561+/-111.998 χ^2/NDF: 56.9/54

- sign 19.008+/-159.941 χ^2/NDF: 22.5/27

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 584.472+/-0.151 χ^2/NDF:2057781.0/10

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

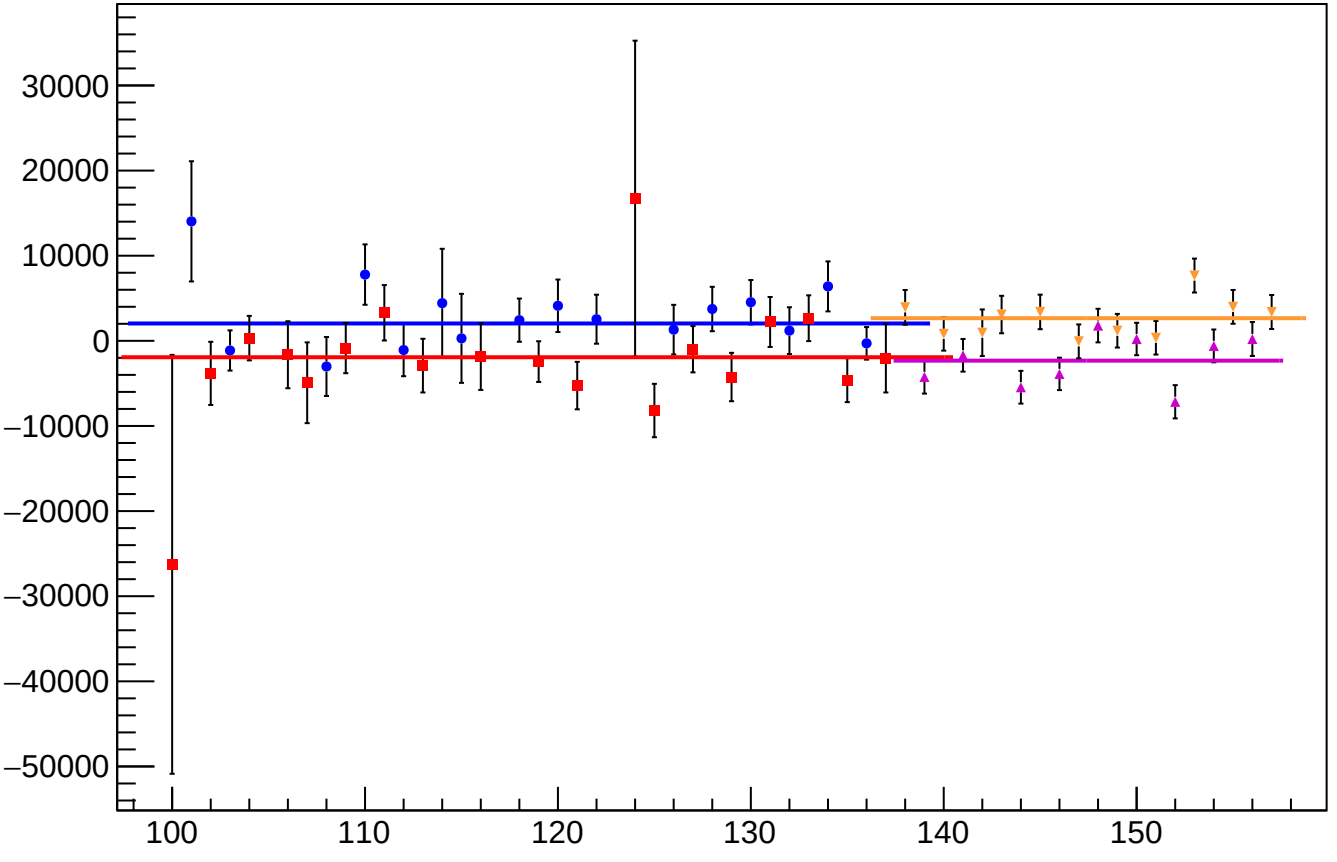
Left In: 602.493+/-0.163 χ^2/NDF:1743976.8/8

+ sign 582.682+/-0.111 χ^2/NDF: 3061493.0/26

All: 577.646+/-0.079 χ^2/NDF: 6162888.7/54

- sign 572.412+/-0.113 χ^2/NDF: 3097193.1/27

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

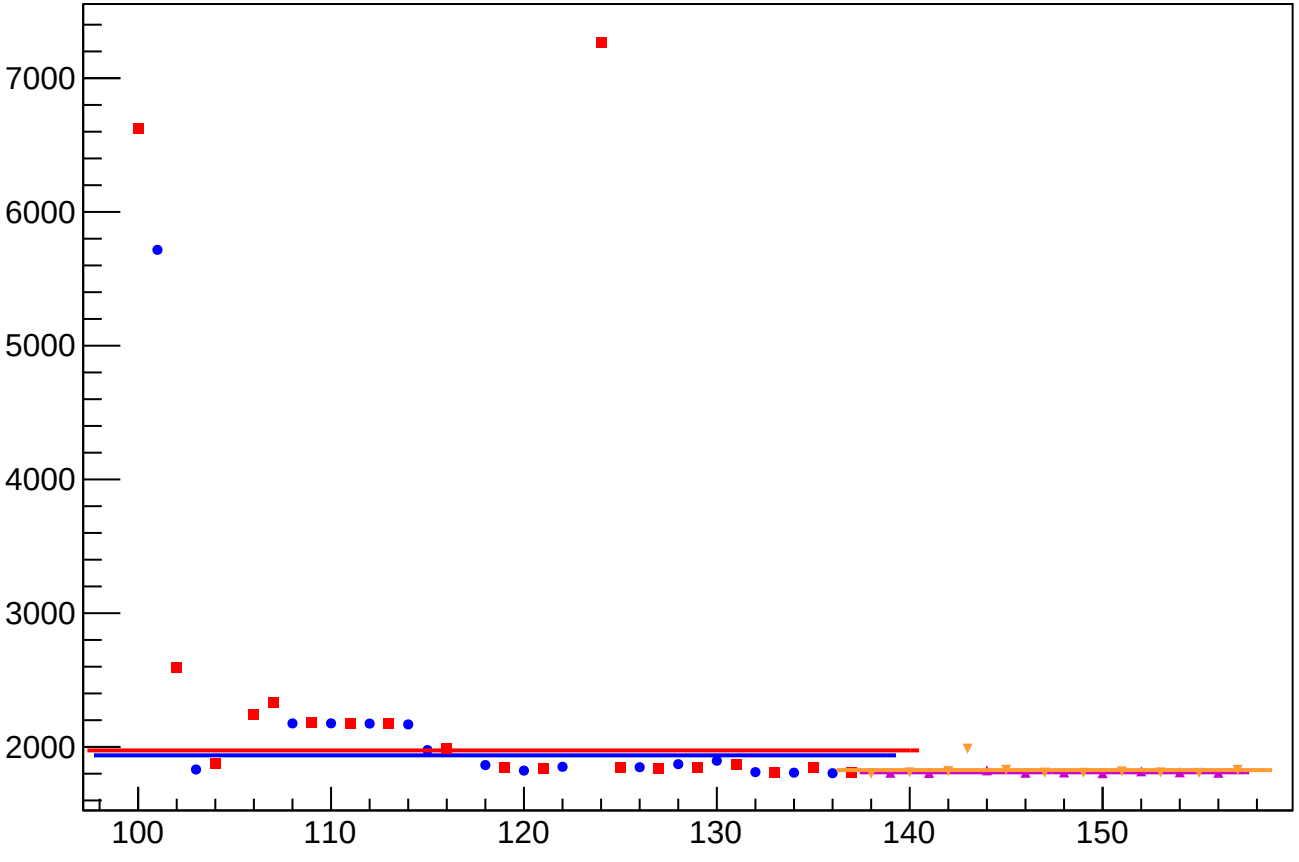
Left In: -2327.575+/-646.471 χ^2/NDF:19.0/8

+ sign 2402.324+/-474.168 χ^2/NDF: 29.4/26

All: 181.241+/-339.432 χ^2/NDF: 112.0/54

- sign -2153.177+/-486.115 χ^2/NDF: 37.6/27

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

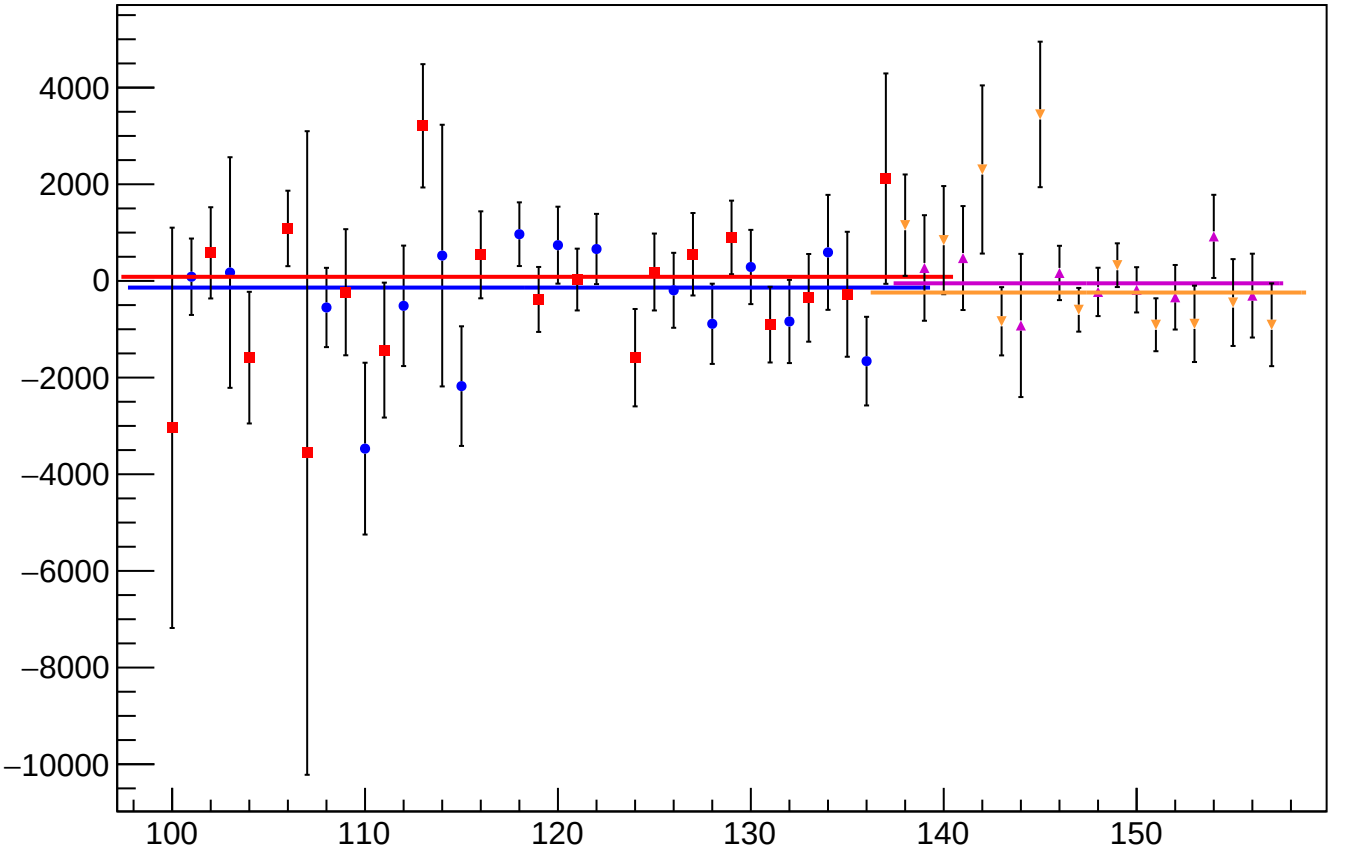
Left In: 1810.400+/-0.457 χ^2/NDF:200.0/8

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.981+/-0.240 χ^2/NDF: 1113092.8/54

- sign 1881.563+/-0.344 χ^2/NDF: 436398.2/27

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

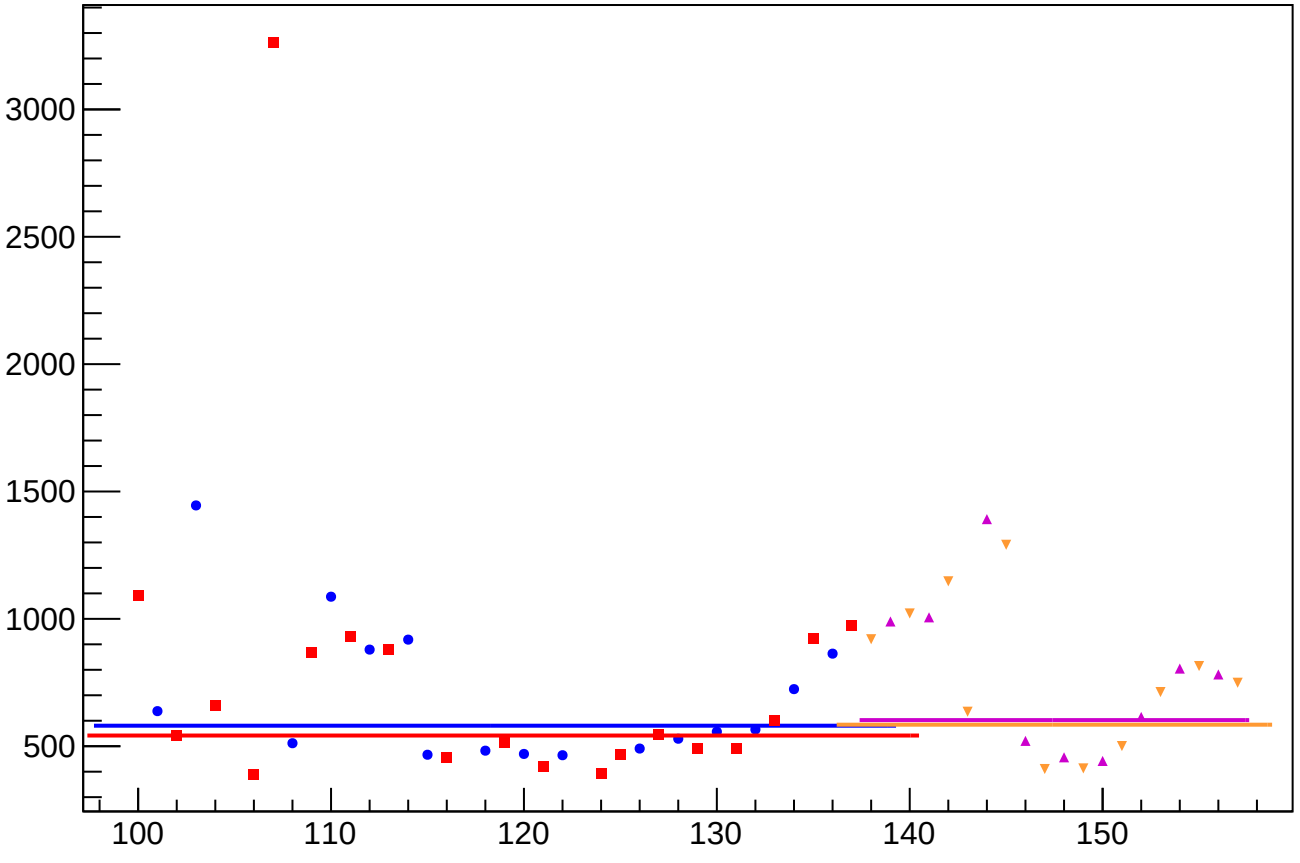
Left In: -49.294+/-230.608 χ^2/NDF:2.6/8

+ sign -192.596+/-156.868 χ^2/NDF: 33.5/26

All: -88.123+/-111.975 χ^2/NDF: 56.5/54

- sign 20.415+/-159.890 χ^2/NDF: 22.0/27

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

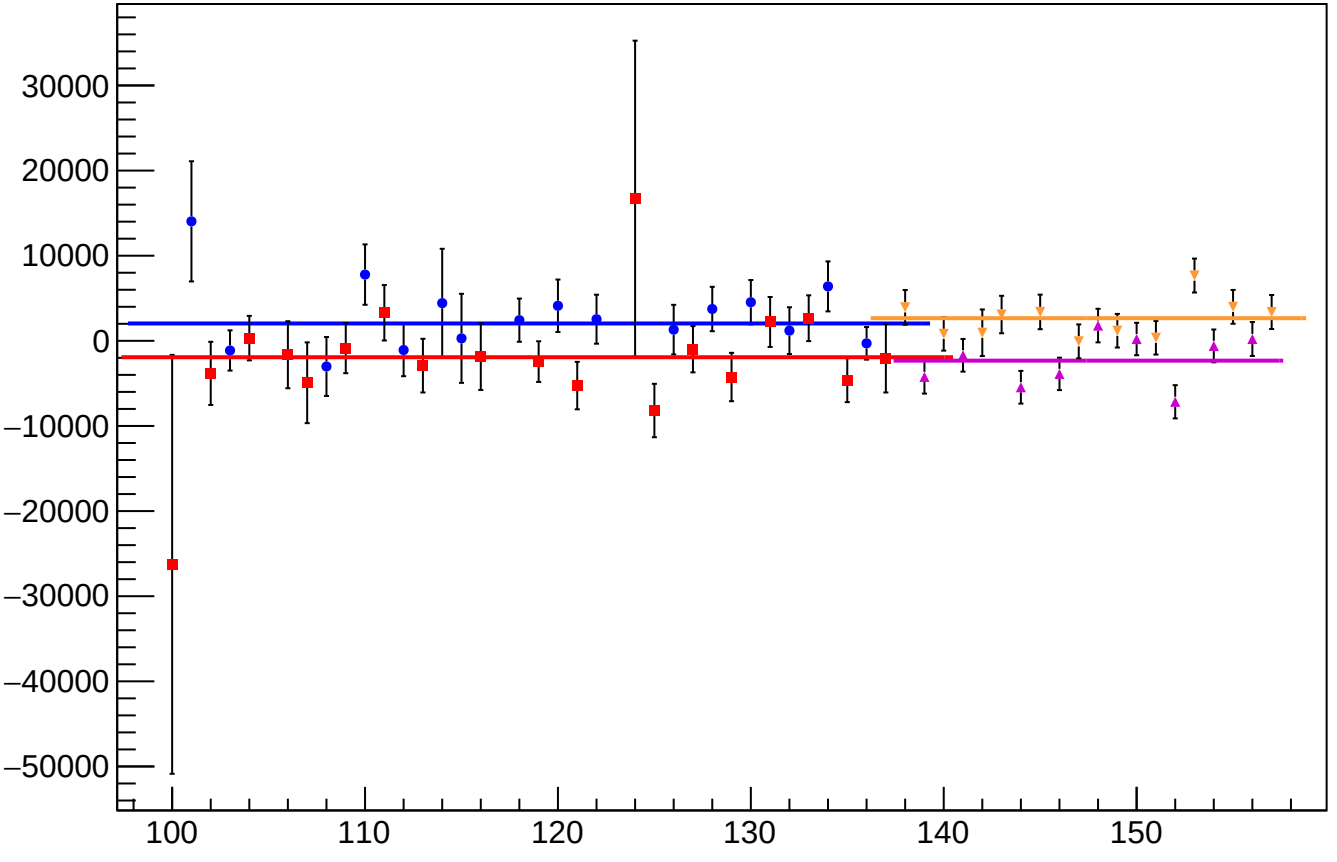
Left In: 602.497+/-0.163 χ^2/NDF:1743993.2/8

+ sign 582.640+/-0.111 χ^2/NDF: 3061079.7/26

All: 576.955+/-0.079 χ^2/NDF: 6200896.0/54

- sign 571.050+/-0.113 χ^2/NDF: 3134462.1/27

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2659.987+/-619.851 χ^2/NDF:12.5/10

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

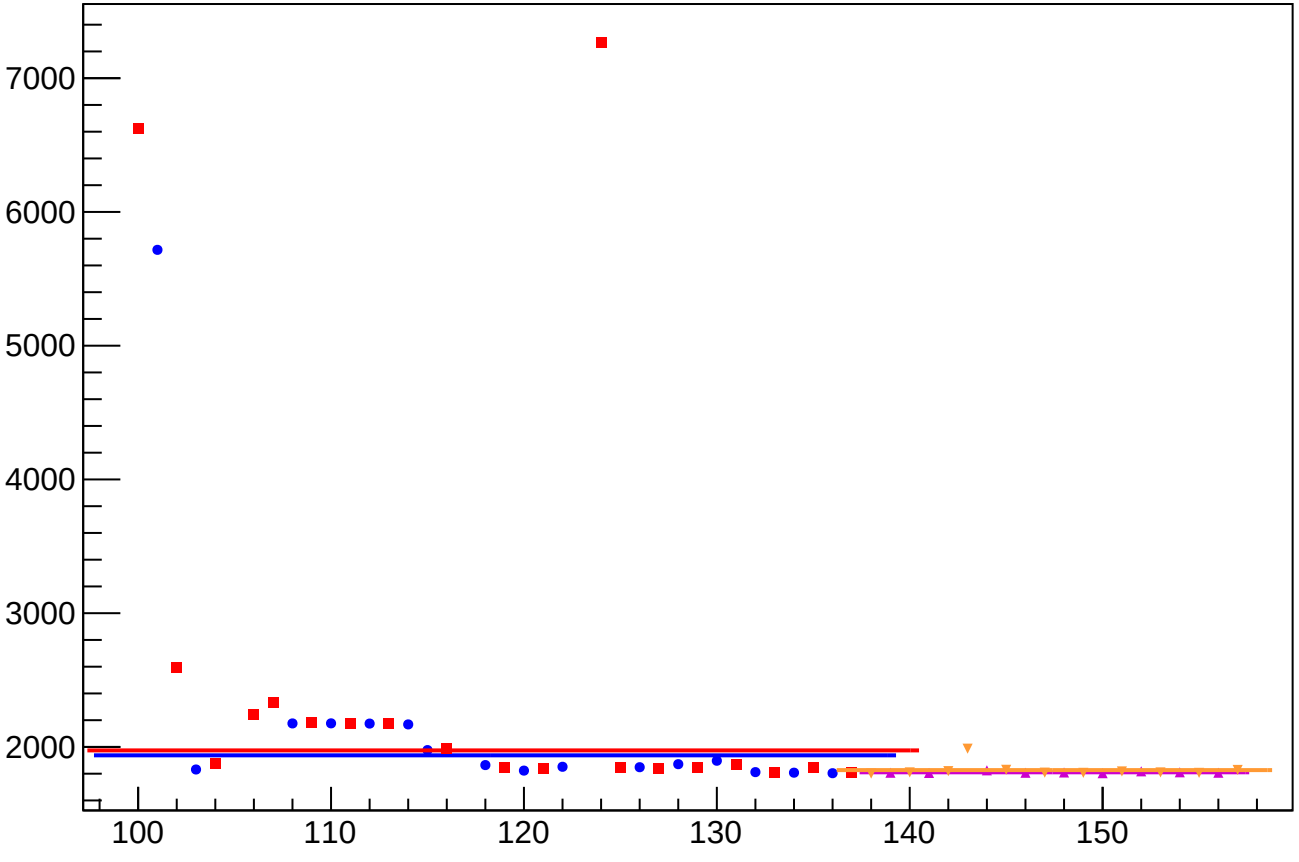
Left In: -2327.575+/-646.471 χ^2/NDF:19.0/8

+ sign 2402.324+/-474.168 χ^2/NDF: 29.4/26

All: 181.241+/-339.432 χ^2/NDF: 112.0/54

- sign -2153.177+/-486.115 χ^2/NDF: 37.6/27

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.809+/-0.438 χ^2/NDF:11917.4/10

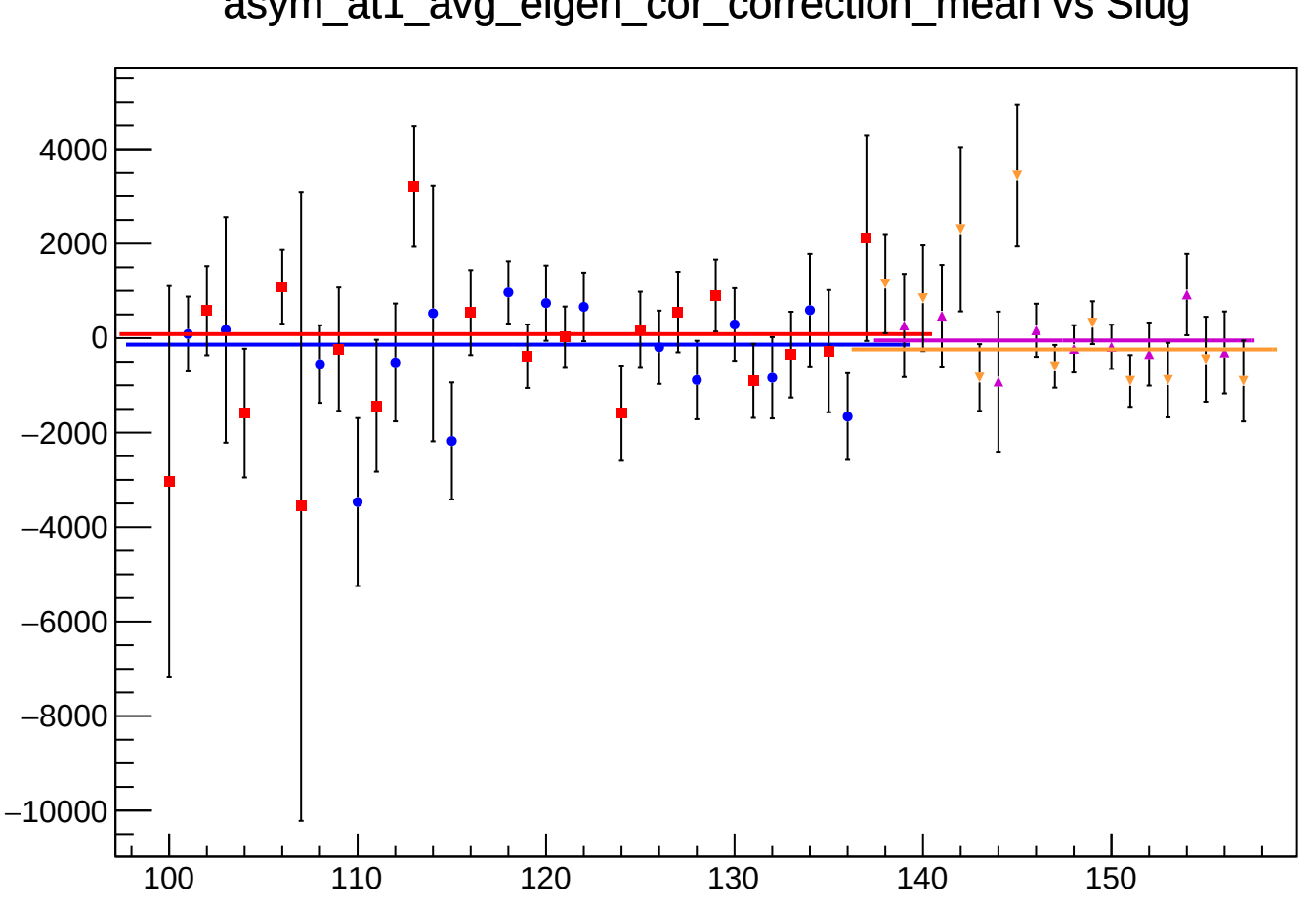
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.400+/-0.457 χ^2/NDF:200.0/8

+ sign 1872.623+/-0.335 χ^2/NDF: 676347.9/26

All: 1876.981+/-0.240 χ^2/NDF: 1113092.8/54

- sign 1881.563+/-0.344 χ^2/NDF: 436398.2/27



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -240.227+/-214.190 χ^2/NDF:16.5/10

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

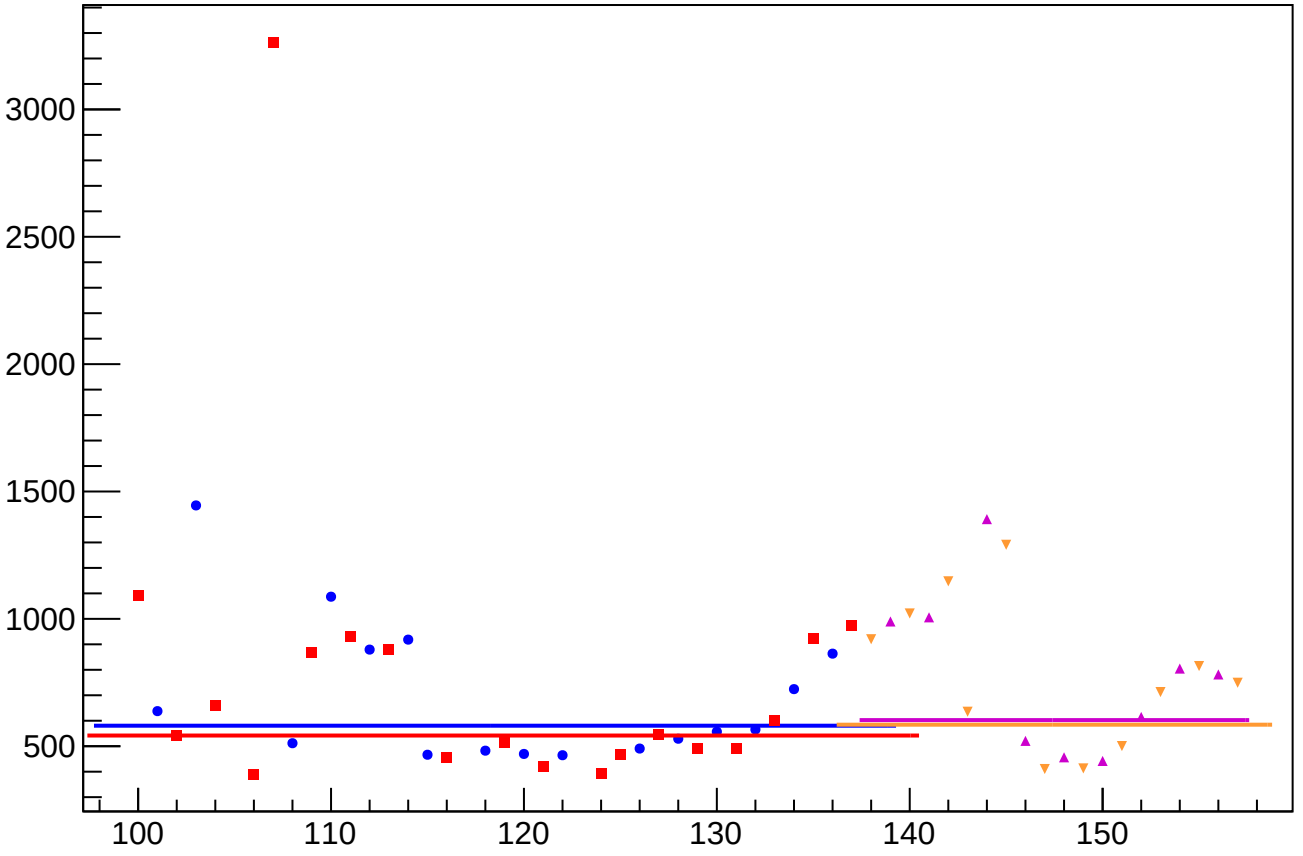
Left In: -49.294+/-230.608 χ^2/NDF:2.6/8

+ sign -192.596+/-156.868 χ^2/NDF: 33.5/26

All: -88.123+/-111.975 χ^2/NDF: 56.5/54

- sign 20.415+/-159.890 χ^2/NDF: 22.0/27

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 584.473+/-0.151 χ^2/NDF:2057863.2/10

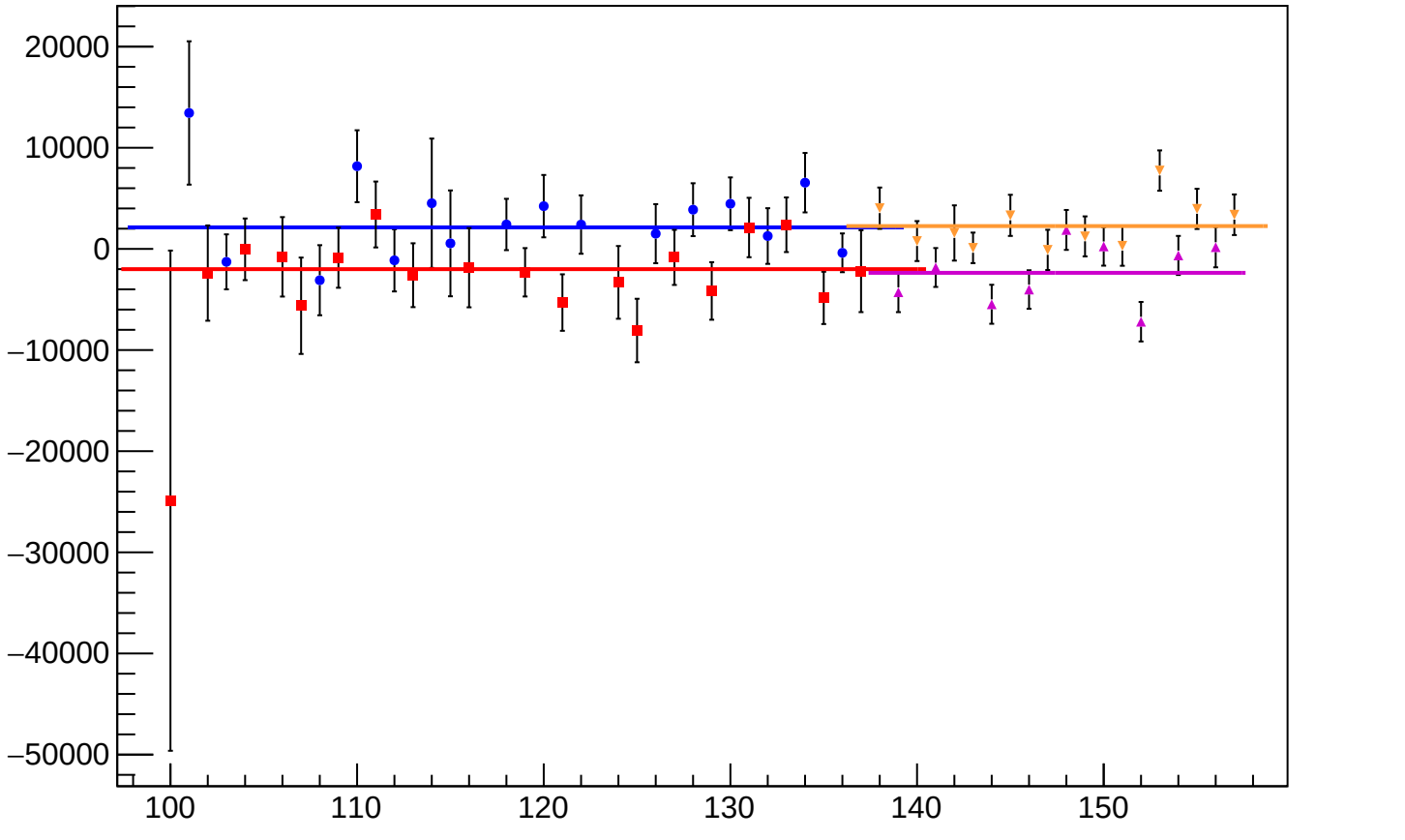
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 602.497+/-0.163 χ^2/NDF:1743993.2/8

+ sign 582.640+/-0.111 χ^2/NDF: 3061079.7/26

All: 576.955+/-0.079 χ^2/NDF: 6200896.0/54

- sign 571.050+/-0.113 χ^2/NDF: 3134462.1/27



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.123+/-594.617 χ^2/NDF:15.0/10

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

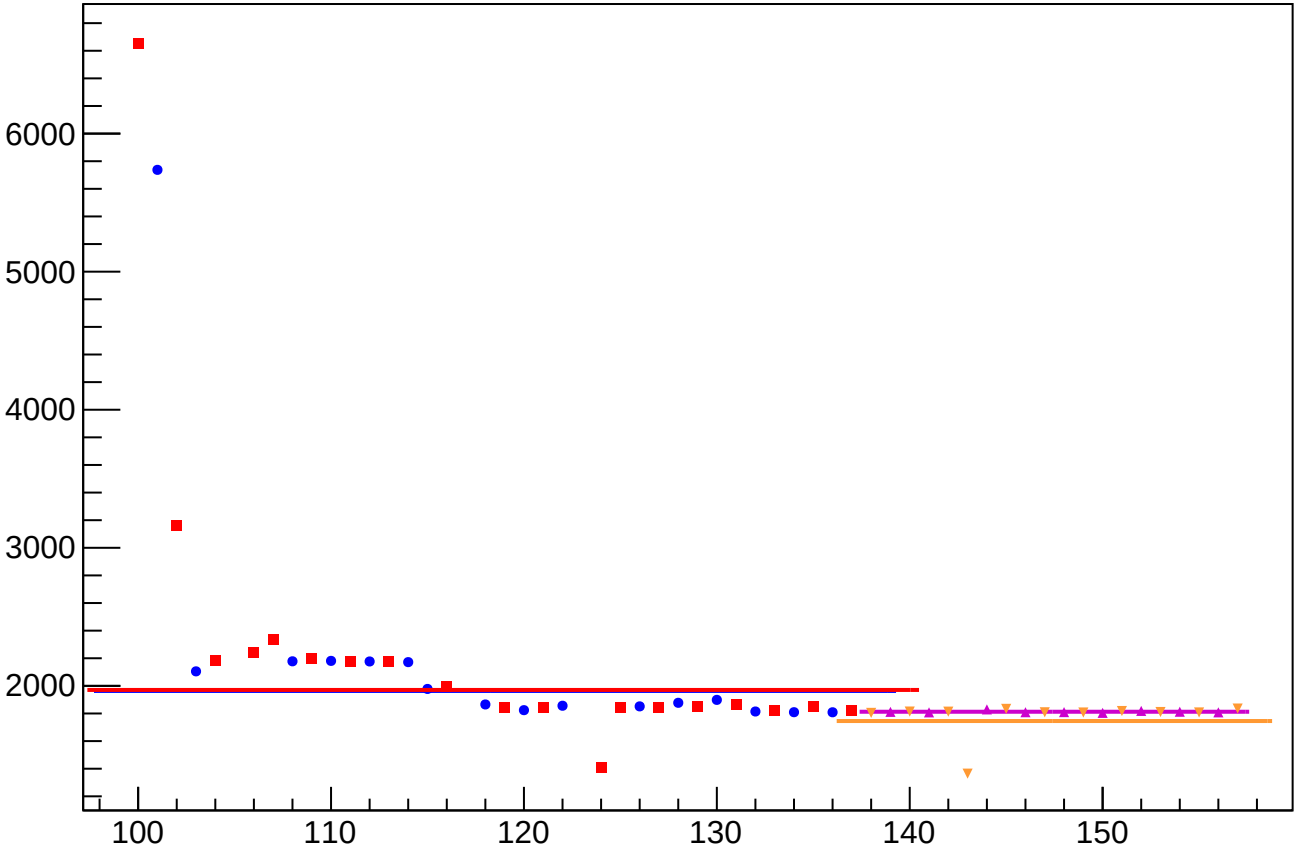
Left In: -2365.918+/-647.266 χ^2/NDF:19.4/8

+ sign 2207.269+/-465.039 χ^2/NDF: 31.5/26

All: 98.863+/-336.127 χ^2/NDF: 110.8/54

- sign -2207.594+/-486.391 χ^2/NDF: 36.3/27

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

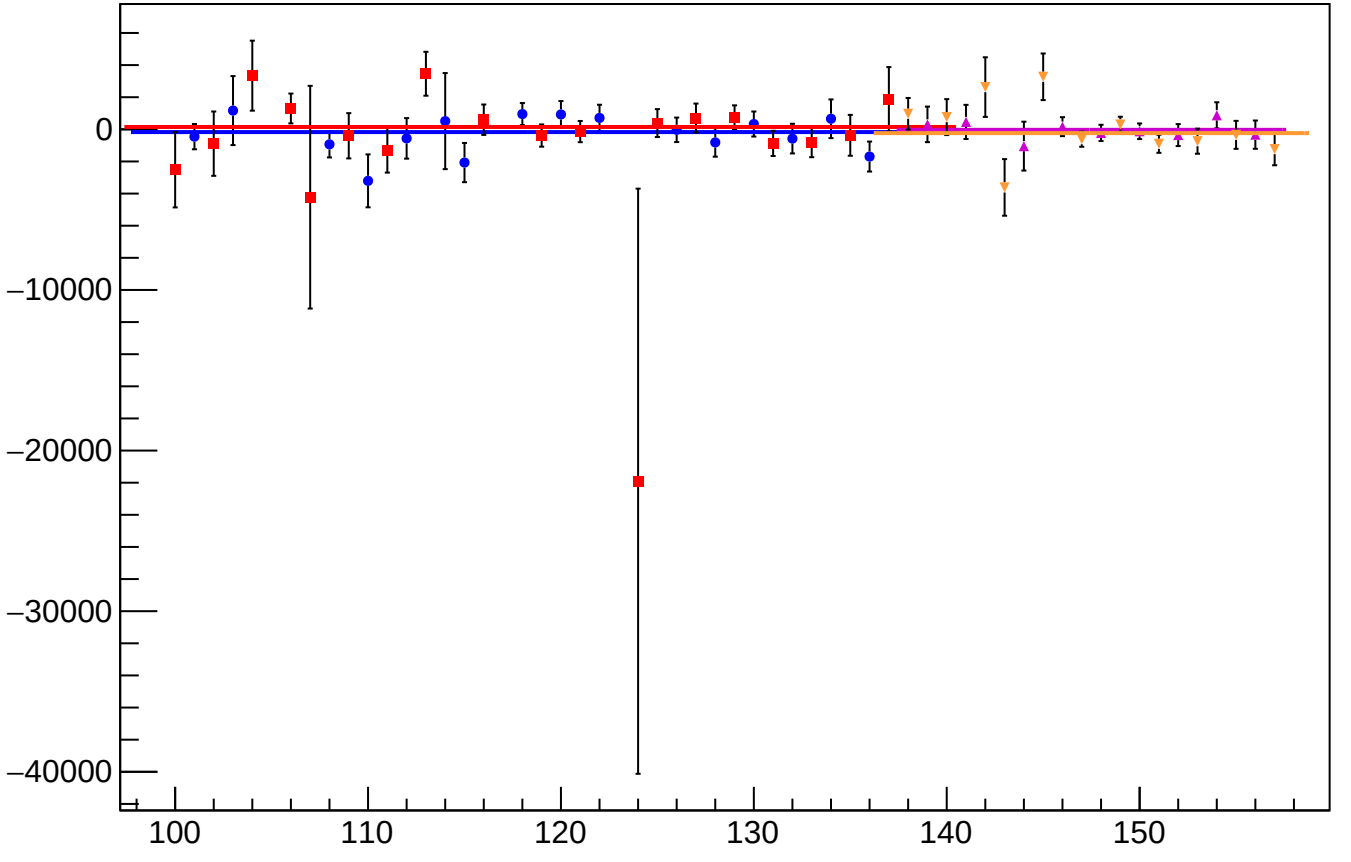
Left In: 1812.591+/-0.458 χ^2/NDF:241.2/8

+ sign 1830.020+/-0.329 χ^2/NDF: 896047.7/26

All: 1854.517+/-0.238 χ^2/NDF: 1304833.8/54

- sign 1881.314+/-0.344 χ^2/NDF: 397165.8/27

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

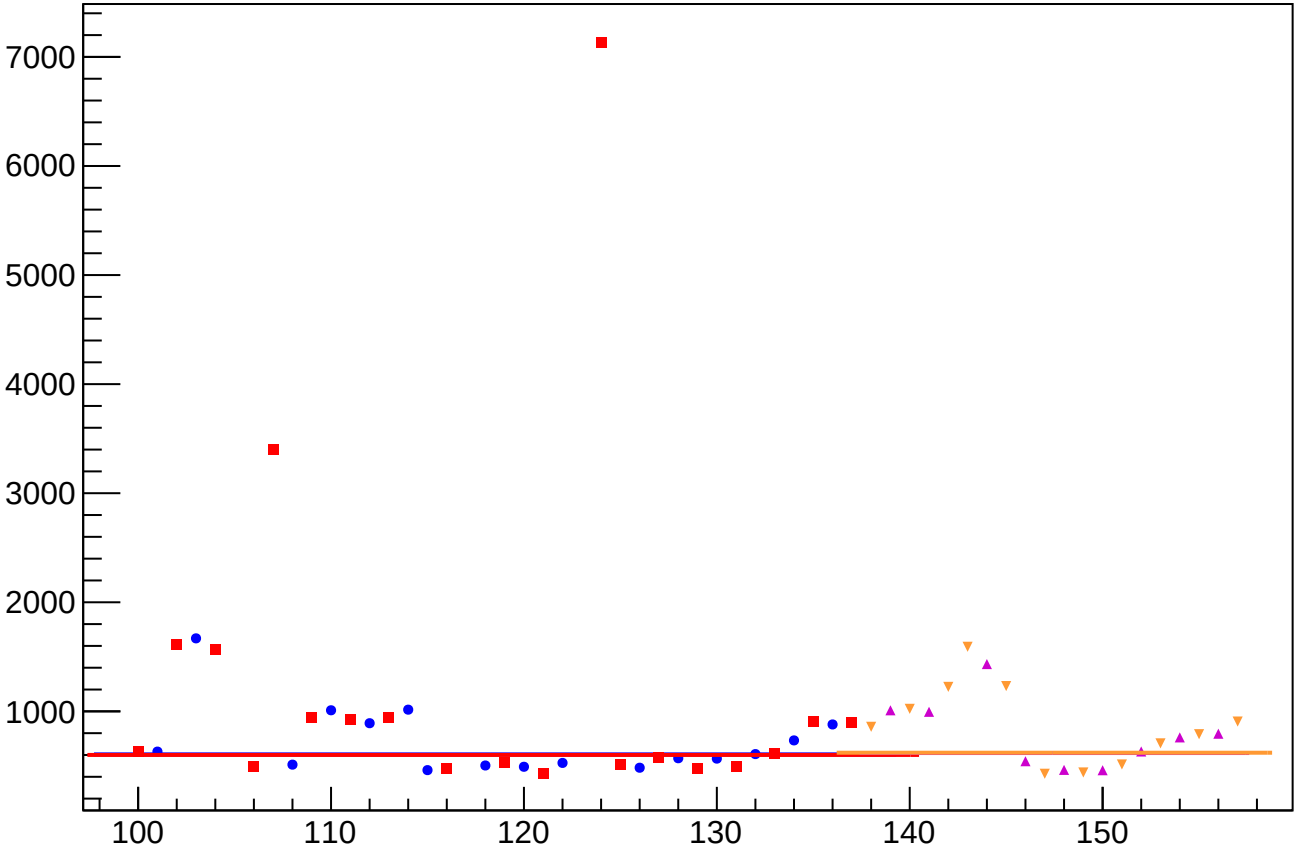
Left In: -30.839+/-235.171 χ^2/NDF:2.6/8

+ sign -204.148+/-165.089 χ^2/NDF: 36.2/26

All: -77.335+/-118.073 χ^2/NDF: 60.4/54

- sign 55.462+/-168.940 χ^2/NDF: 23.0/27

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 620.754+/-0.163 χ^2/NDF:2503415.9/10

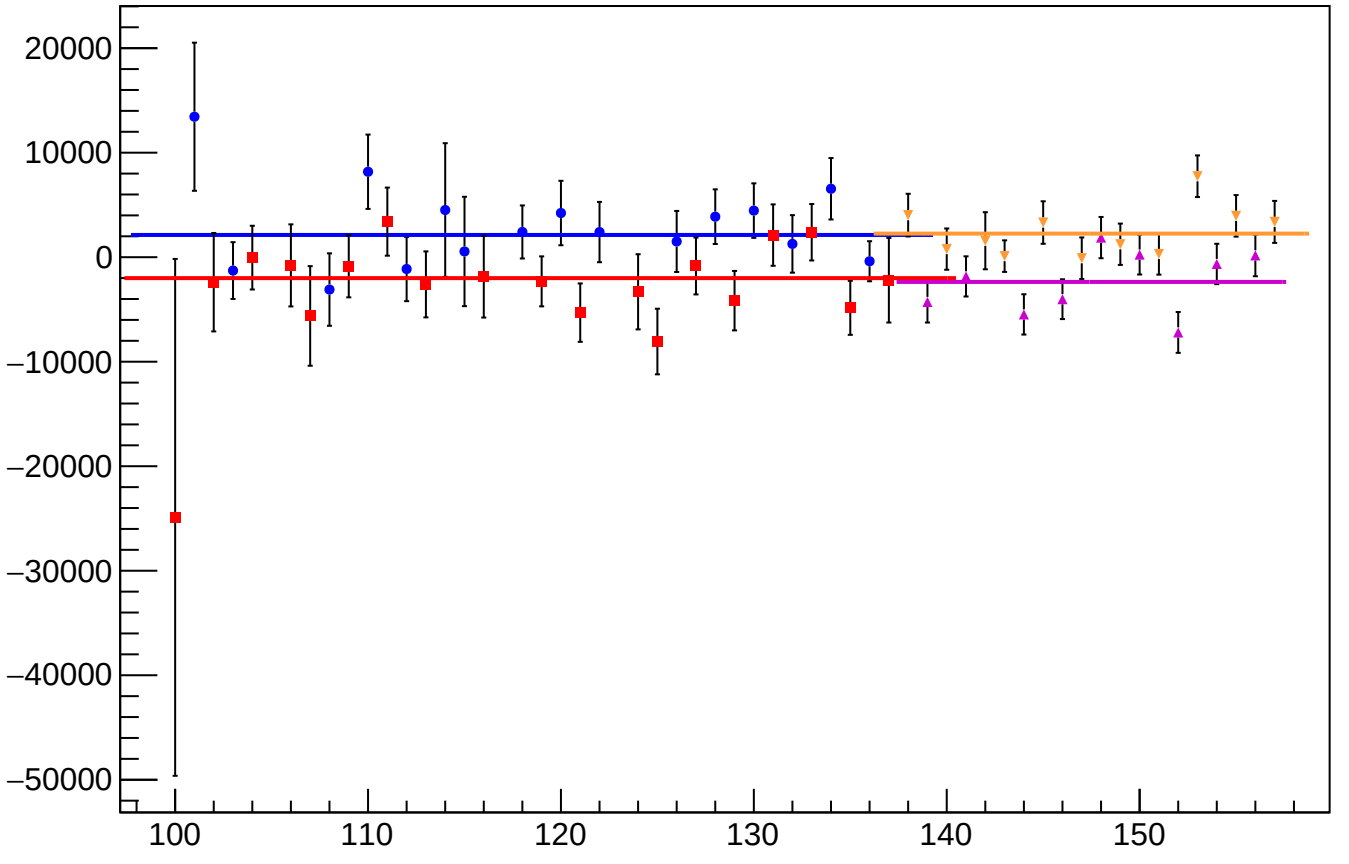
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 617.886+/-0.166 χ^2/NDF:1650526.6/8

+ sign 613.313+/-0.117 χ^2/NDF: 3670175.2/26

All: 611.424+/-0.083 χ^2/NDF: 7655084.1/54

- sign 609.446+/-0.119 χ^2/NDF: 3984373.1/27



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2257.124+/-594.617 χ^2/NDF:15.0/10

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

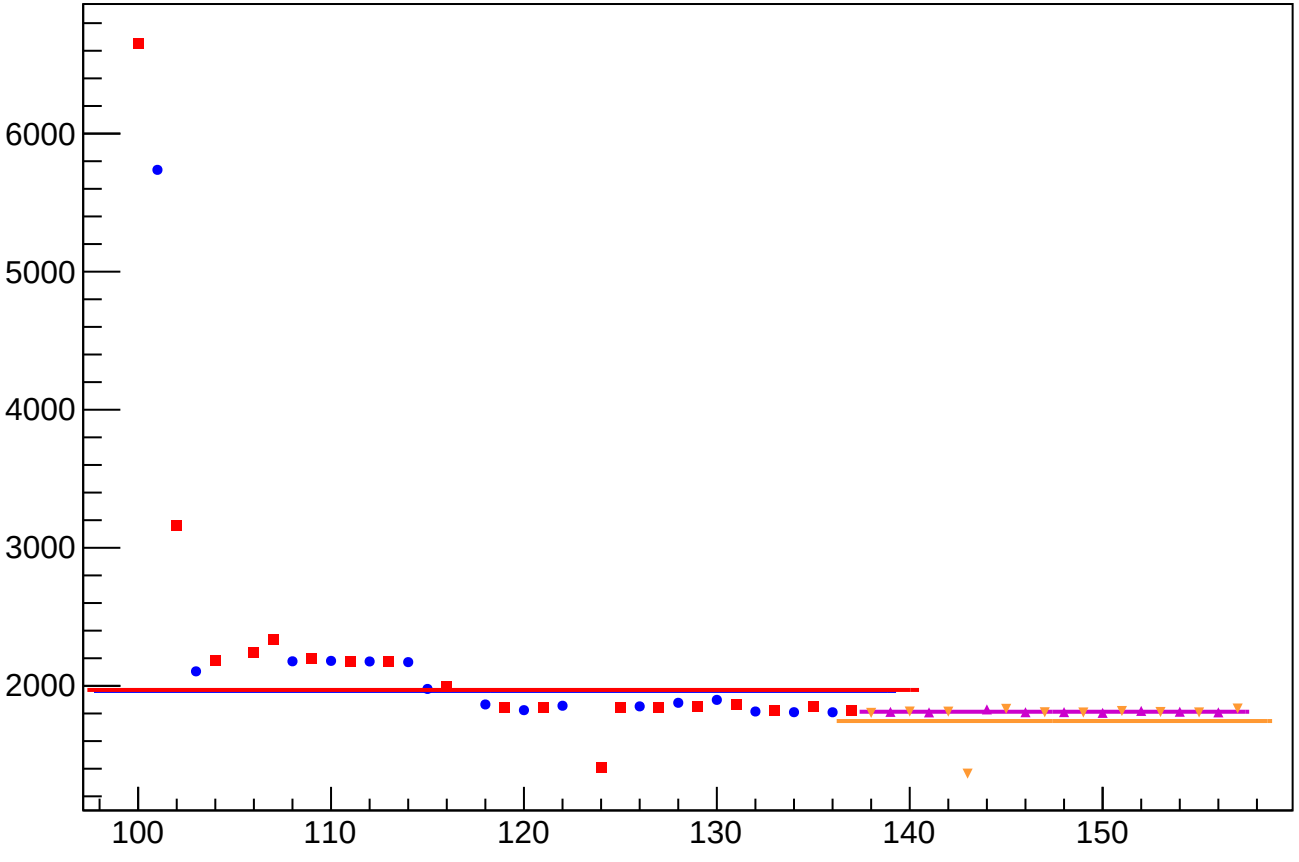
Left In: -2365.918+/-647.266 χ^2/NDF:19.4/8

+ sign 2207.269+/-465.039 χ^2/NDF: 31.5/26

All: 98.863+/-336.127 χ^2/NDF: 110.8/54

- sign -2207.593+/-486.391 χ^2/NDF: 36.3/27

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1745.326+/-0.420 χ^2/NDF:151311.3/10

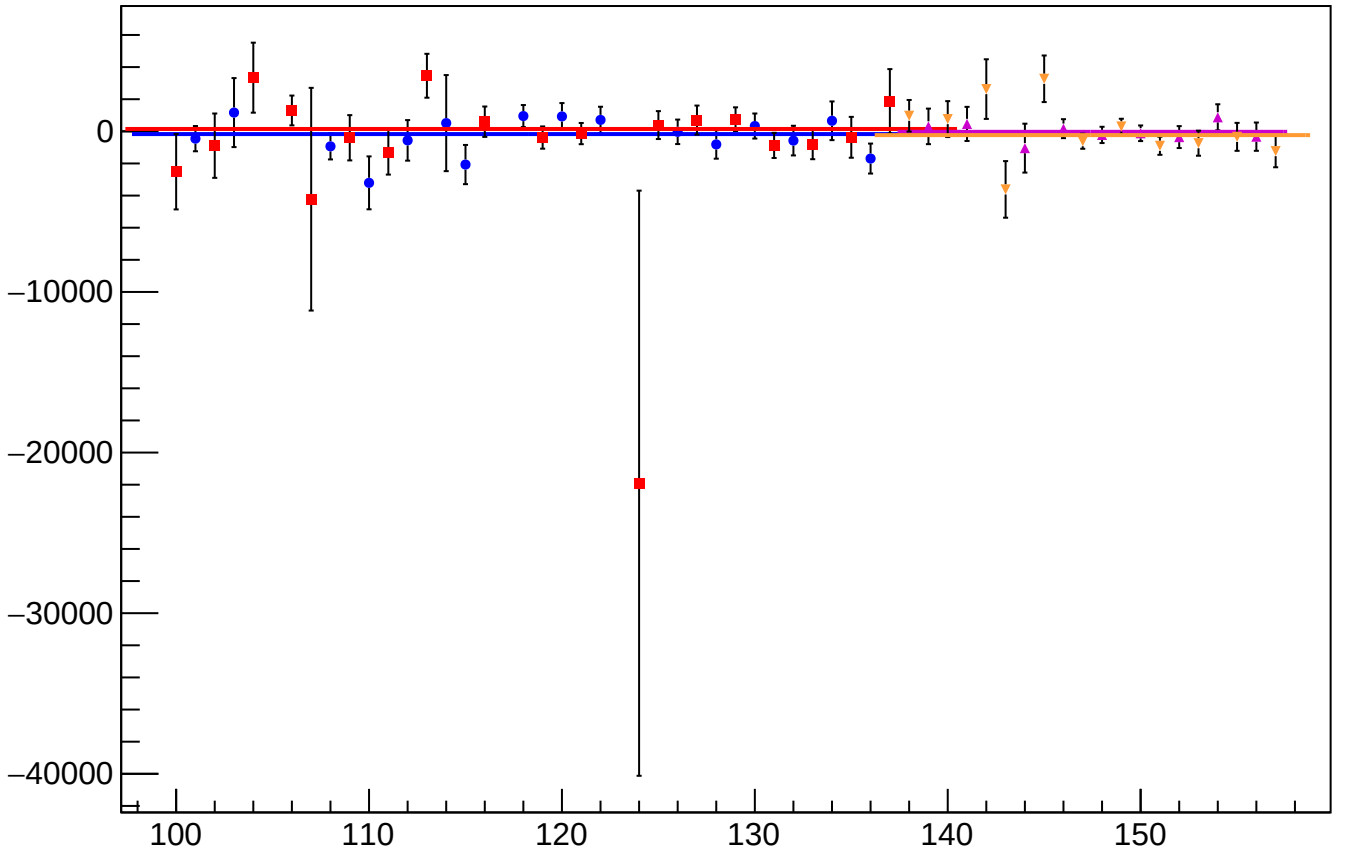
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1812.591+/-0.458 χ^2/NDF:241.2/8

+ sign 1830.020+/-0.329 χ^2/NDF: 896047.2/26

All: 1854.517+/-0.238 χ^2/NDF: 1304831.8/54

- sign 1881.314+/-0.344 χ^2/NDF: 397164.3/27



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -235.651+/-230.175 χ^2/NDF:18.9/10

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

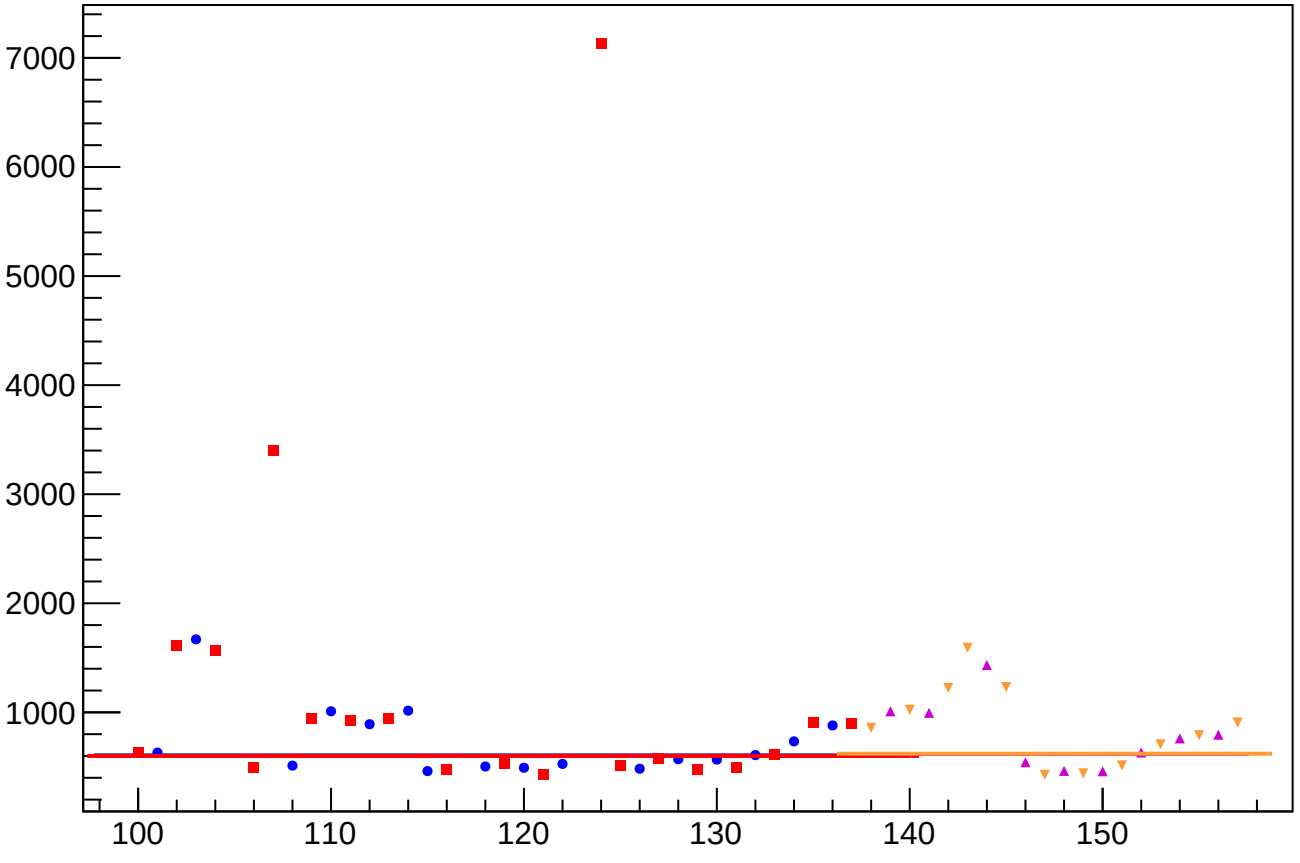
Left In: -30.839+/-235.172 χ^2/NDF:2.6/8

+ sign -204.147+/-165.089 χ^2/NDF: 36.2/26

All: -77.335+/-118.073 χ^2/NDF: 60.4/54

- sign 55.462+/-168.940 χ^2/NDF: 23.0/27

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 620.755+/-0.163 χ^2/NDF:2503407.6/10

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

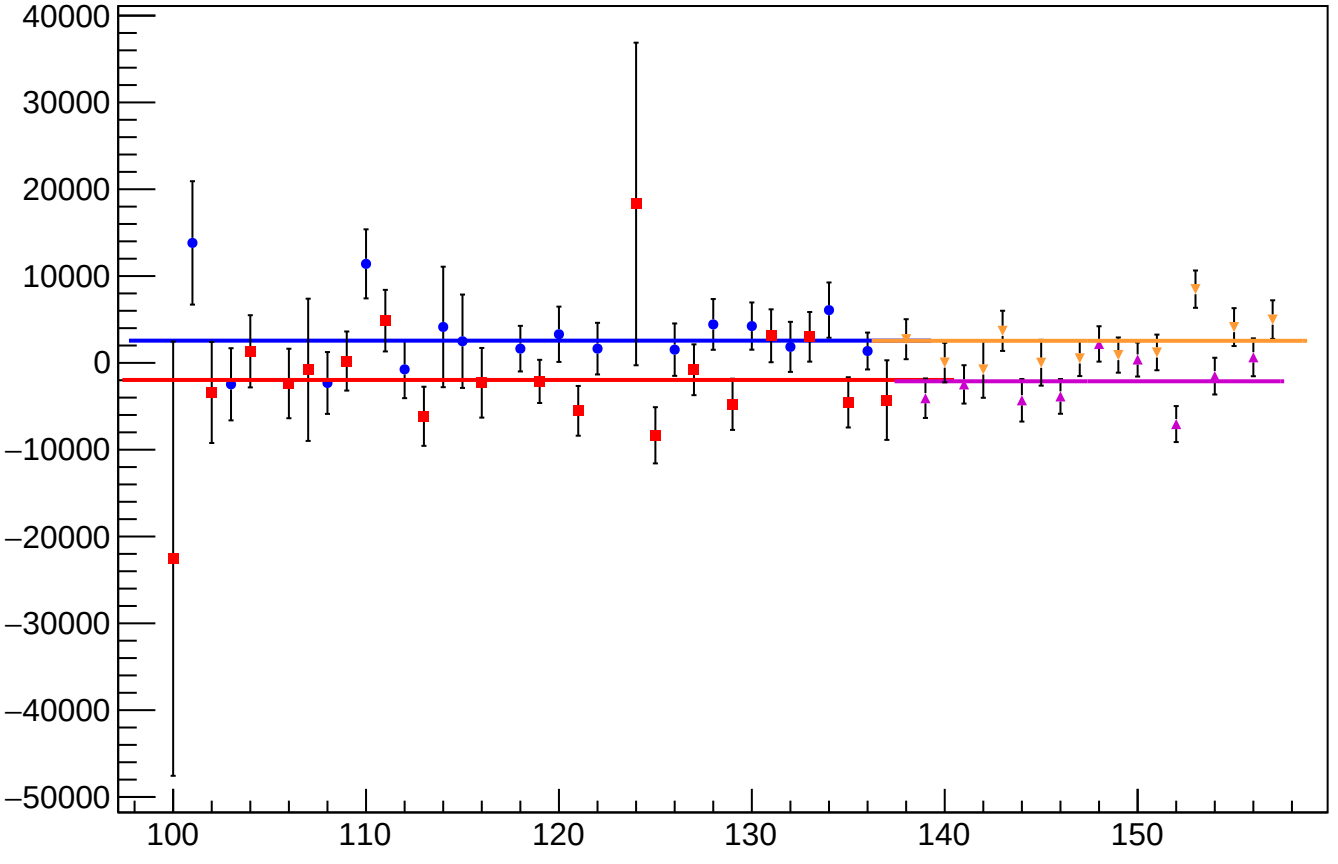
Left In: 617.887+/-0.166 χ^2/NDF:1650521.2/8

+ sign 613.313+/-0.117 χ^2/NDF: 3670175.9/26

All: 611.424+/-0.083 χ^2/NDF: 7655088.6/54

- sign 609.447+/-0.119 χ^2/NDF: 3984376.9/27

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2543.639+/-681.130 χ^2/NDF:14.9/10

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

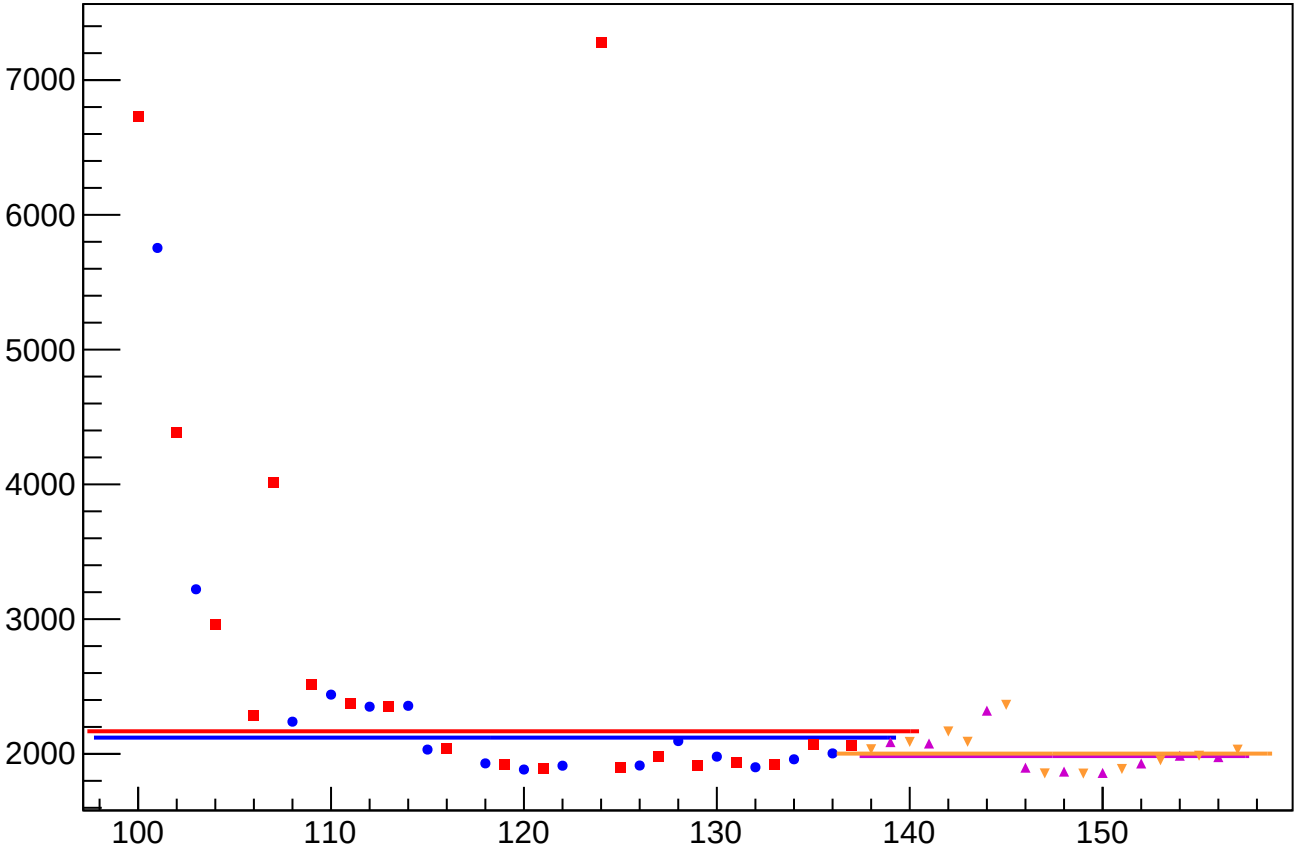
Left In: -2119.009+/-710.241 χ^2/NDF:15.8/8

+ sign 2550.822+/-521.222 χ^2/NDF: 29.5/26

All: 315.230+/-373.855 χ^2/NDF: 104.7/54

- sign -2053.631+/-536.533 χ^2/NDF: 37.4/27

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2002.104+/-0.482 χ^2/NDF:77678.2/10

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

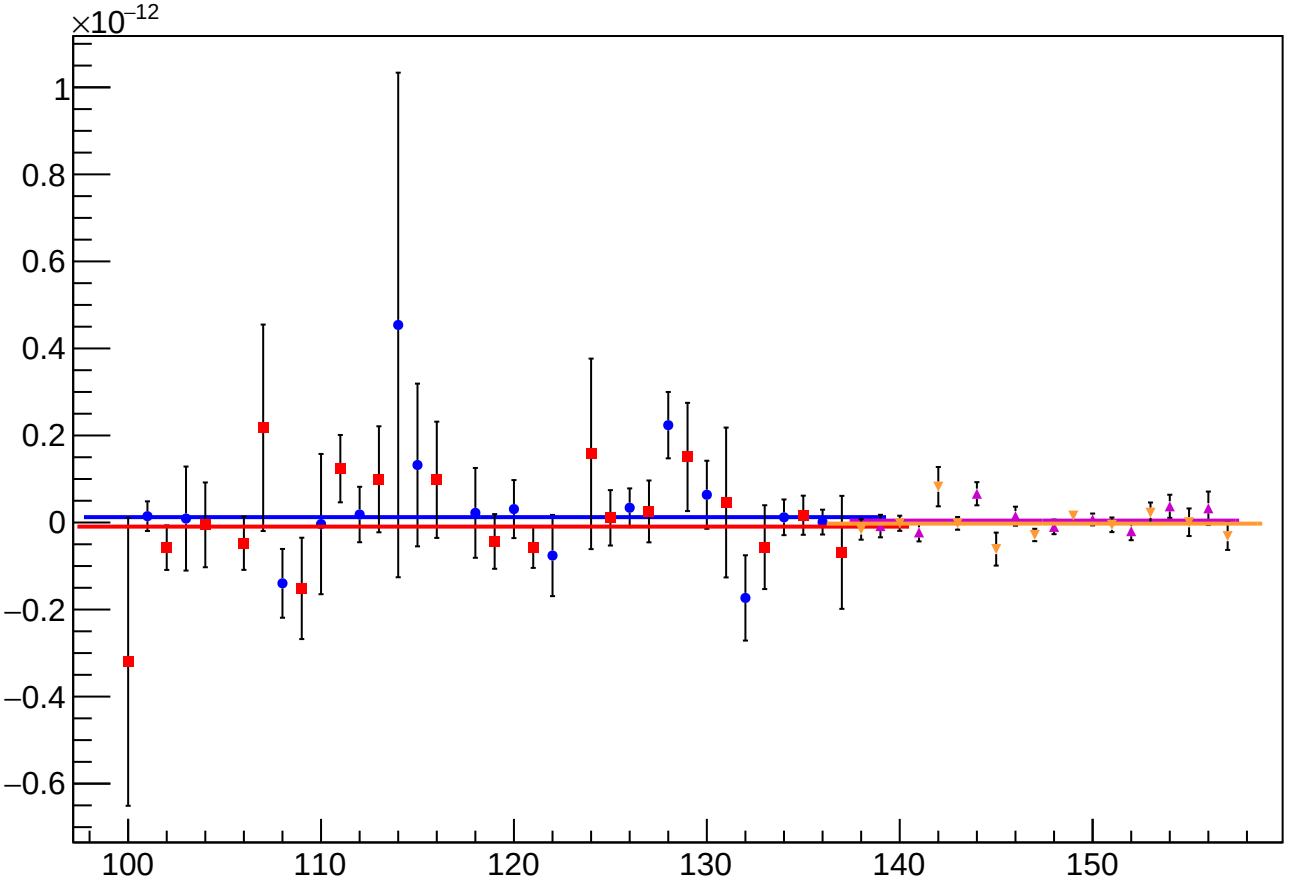
Left In: 1983.847+/-0.502 χ^2/NDF:65210.5/8

+ sign 2051.285+/-0.369 χ^2/NDF: 862807.8/26

All: 2056.896+/-0.264 χ^2/NDF: 1810047.1/54

- sign 2062.842+/-0.379 χ^2/NDF: 946762.0/27

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/10

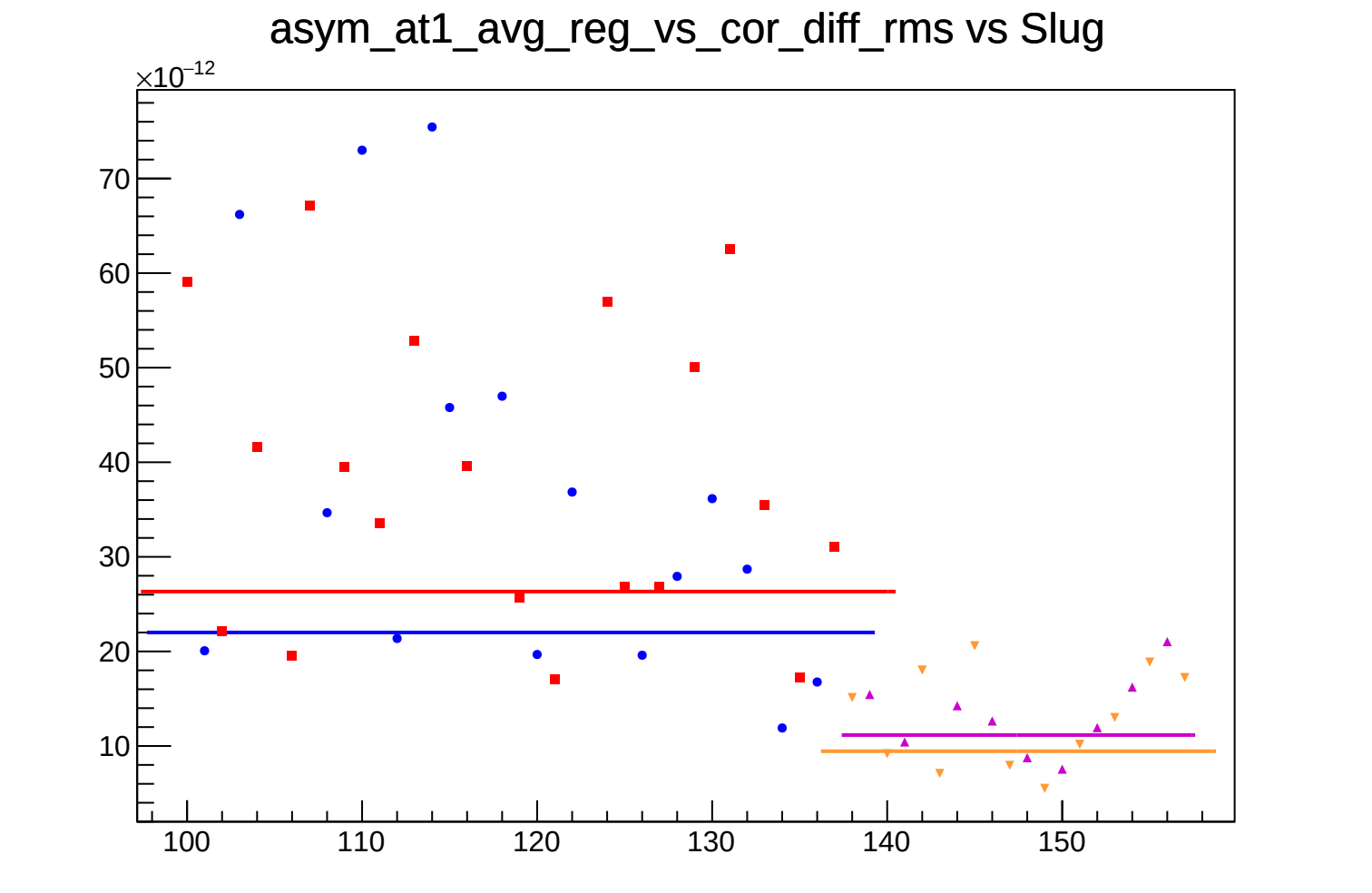
Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/8

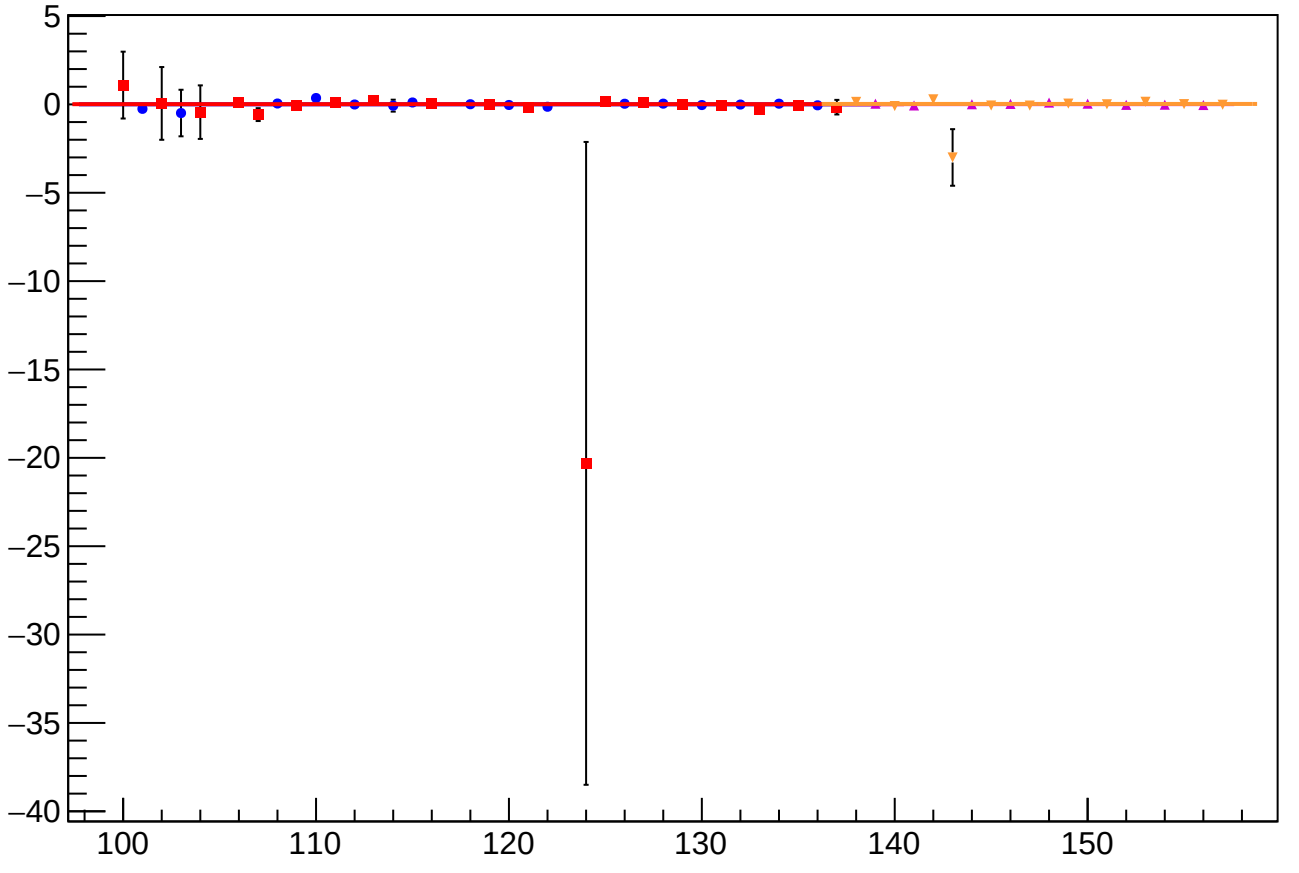
+ sign -0.000+/-0.000 χ^2/NDF: 32.8/26

All: 0.000+/-0.000 χ^2/NDF: 59.0/54

- sign 0.000+/-0.000 χ^2/NDF: 26.0/27


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1011517.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:481862.6/8
+ sign 0.000+/-0.000 χ²/NDF: 3307380.3/26
All: 0.000+/-0.000 χ²/NDF: 5844234.2/54
- sign 0.000+/-0.000 χ²/NDF: 2419278.7/27

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

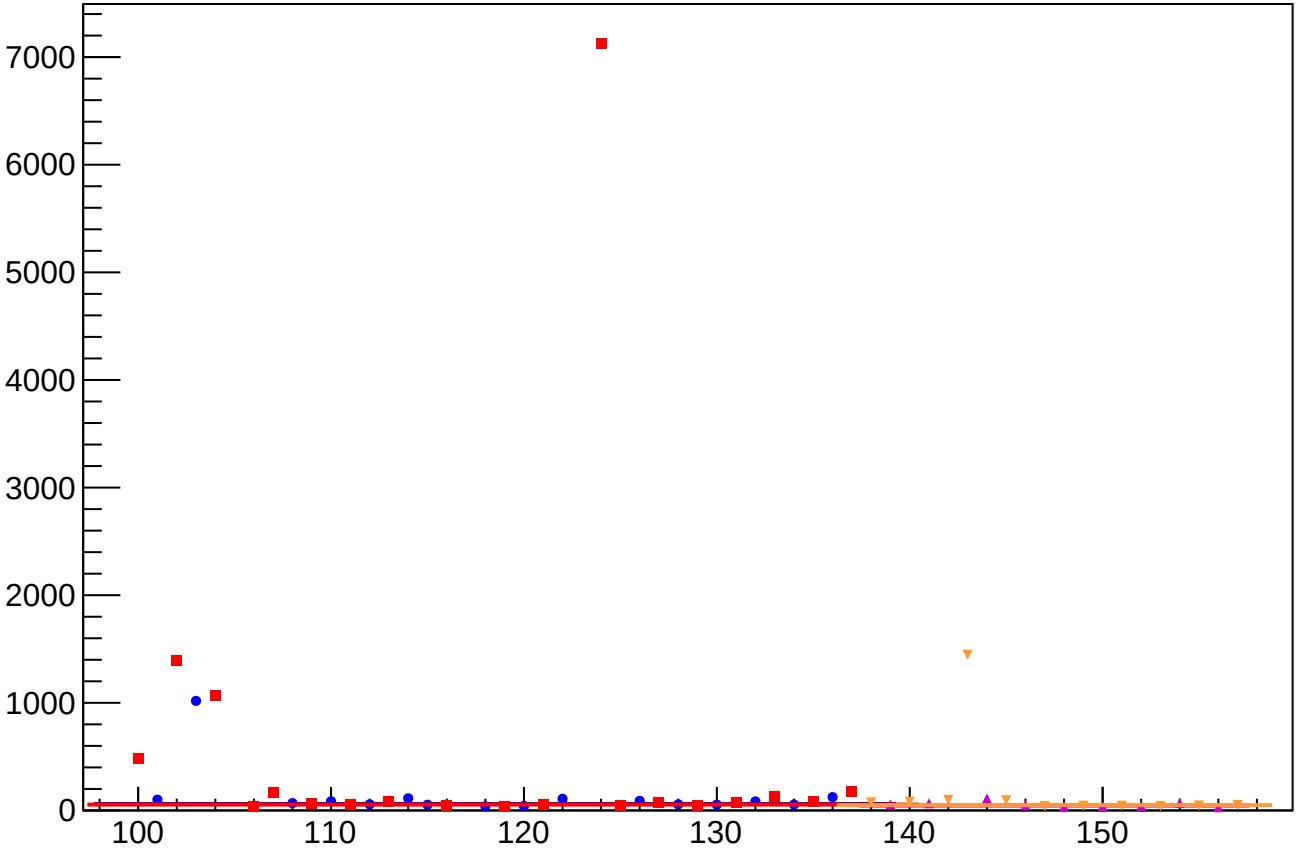
Left In: 0.015+/-0.019 χ^2/NDF:7.5/8

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.016+/-0.011 χ^2/NDF: 58.0/54

- sign 0.014+/-0.015 χ^2/NDF: 25.1/27

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

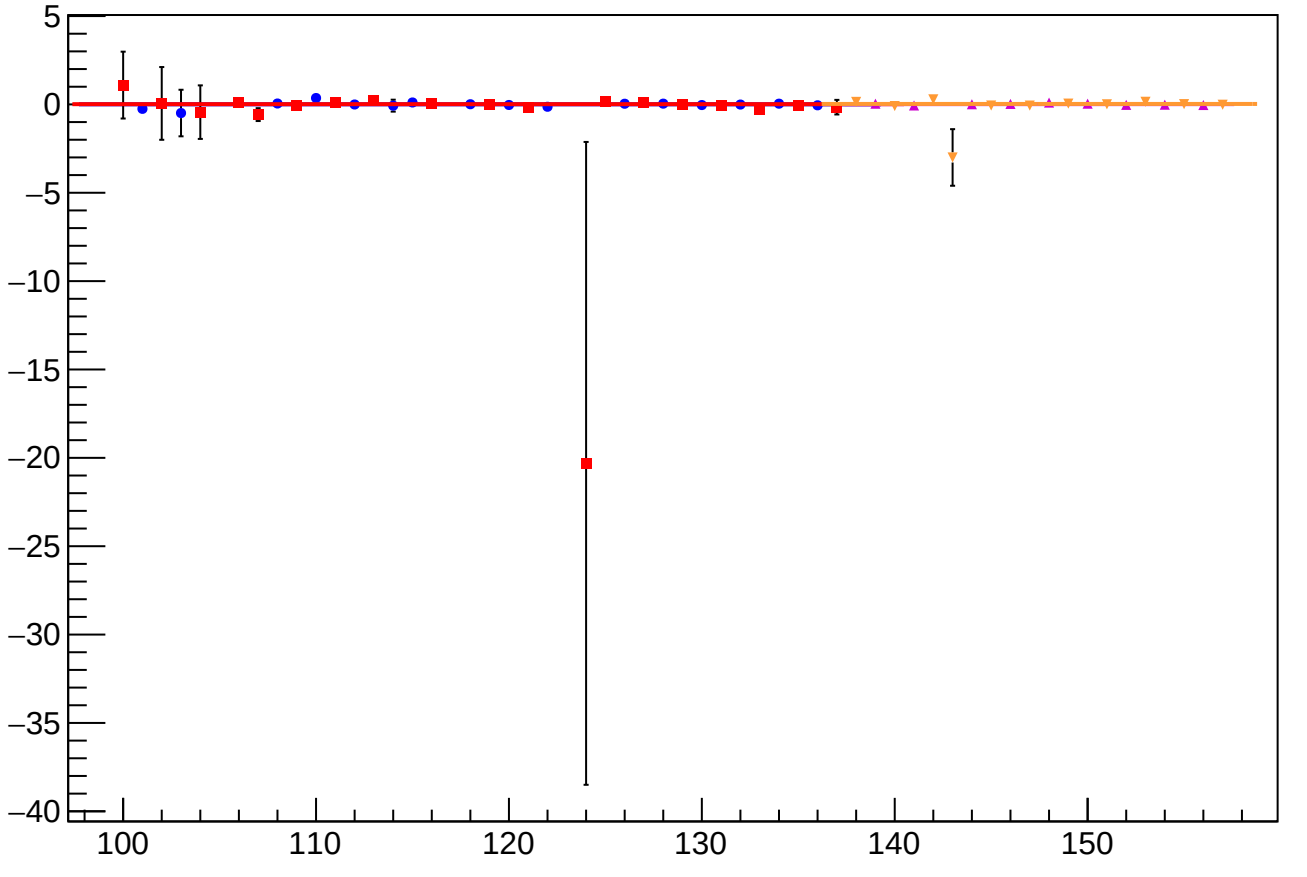
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.431+/-0.013 χ^2/NDF:1326110.0/8

+ sign 52.856+/-0.011 χ^2/NDF: 5371574.4/26

All: 50.526+/-0.008 χ^2/NDF: 10454906.3/54

- sign 48.432+/-0.011 χ^2/NDF: 5001654.5/27



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

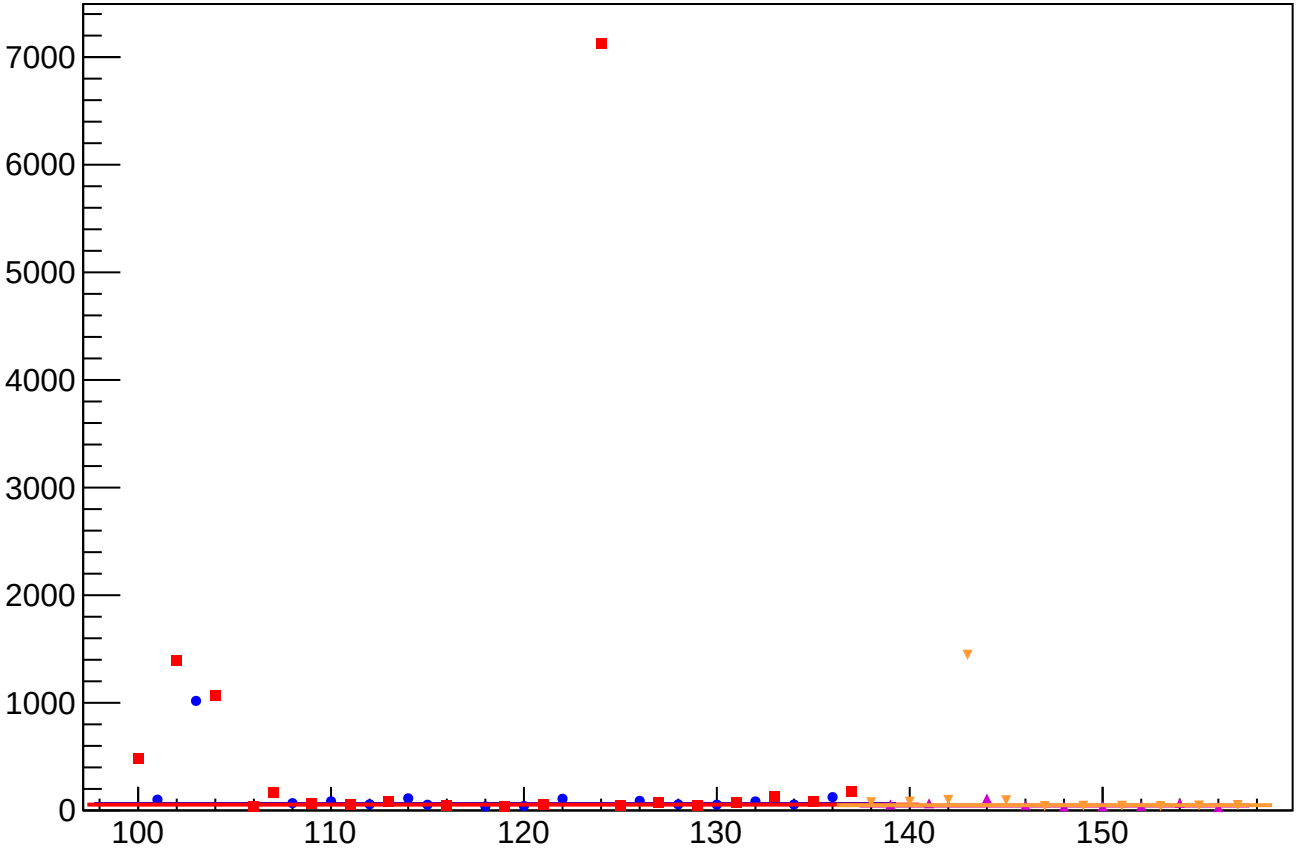
Left In: 0.015+/-0.019 χ^2/NDF:7.5/8

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.016+/-0.011 χ^2/NDF: 58.0/54

- sign 0.014+/-0.015 χ^2/NDF: 25.1/27

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621303.9/10

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

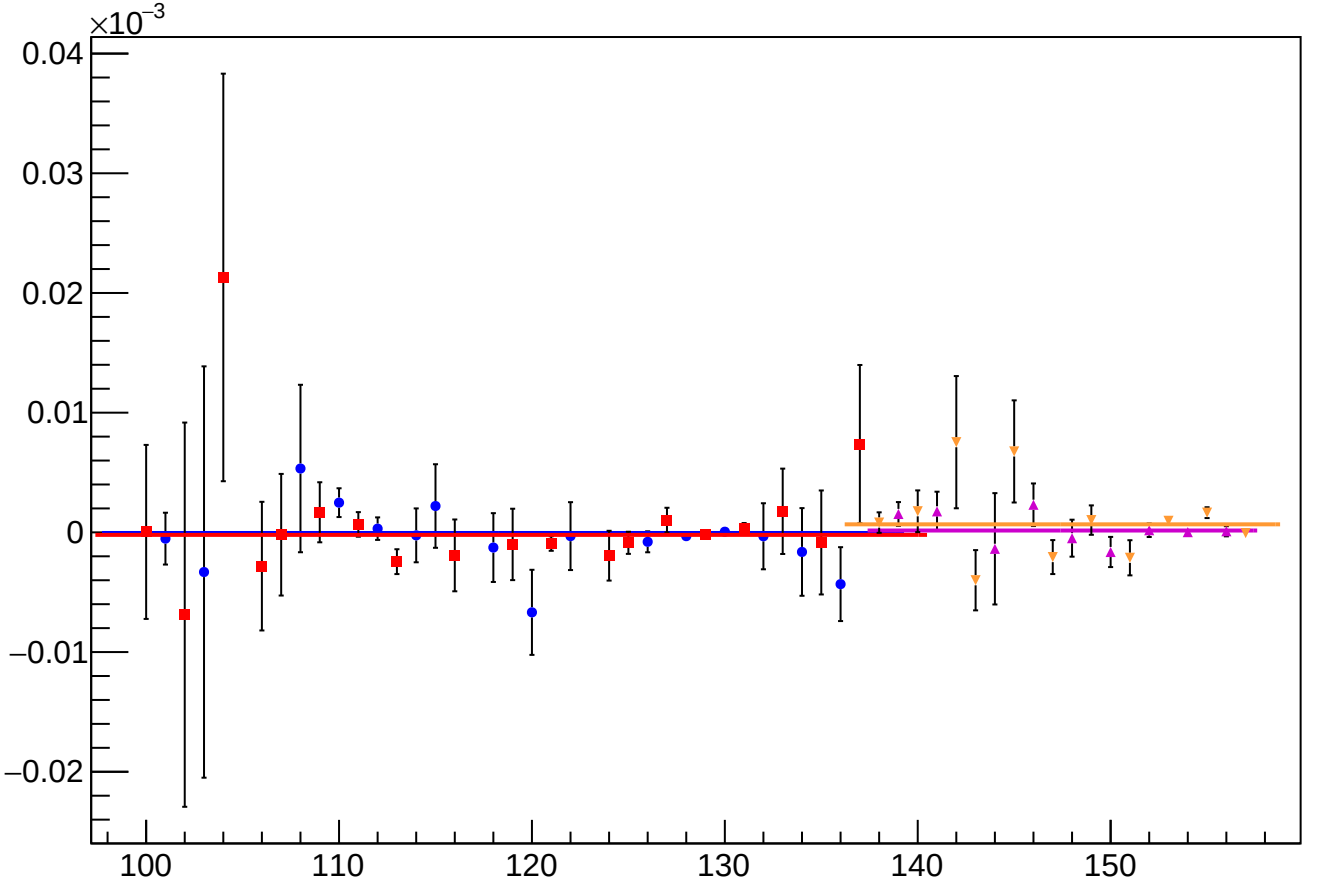
Left In: 45.431+/-0.013 χ^2/NDF:1326110.0/8

+ sign 52.856+/-0.011 χ^2/NDF: 5371574.4/26

All: 50.526+/-0.008 χ^2/NDF: 10454906.3/54

- sign 48.432+/-0.011 χ^2/NDF: 5001654.5/27

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

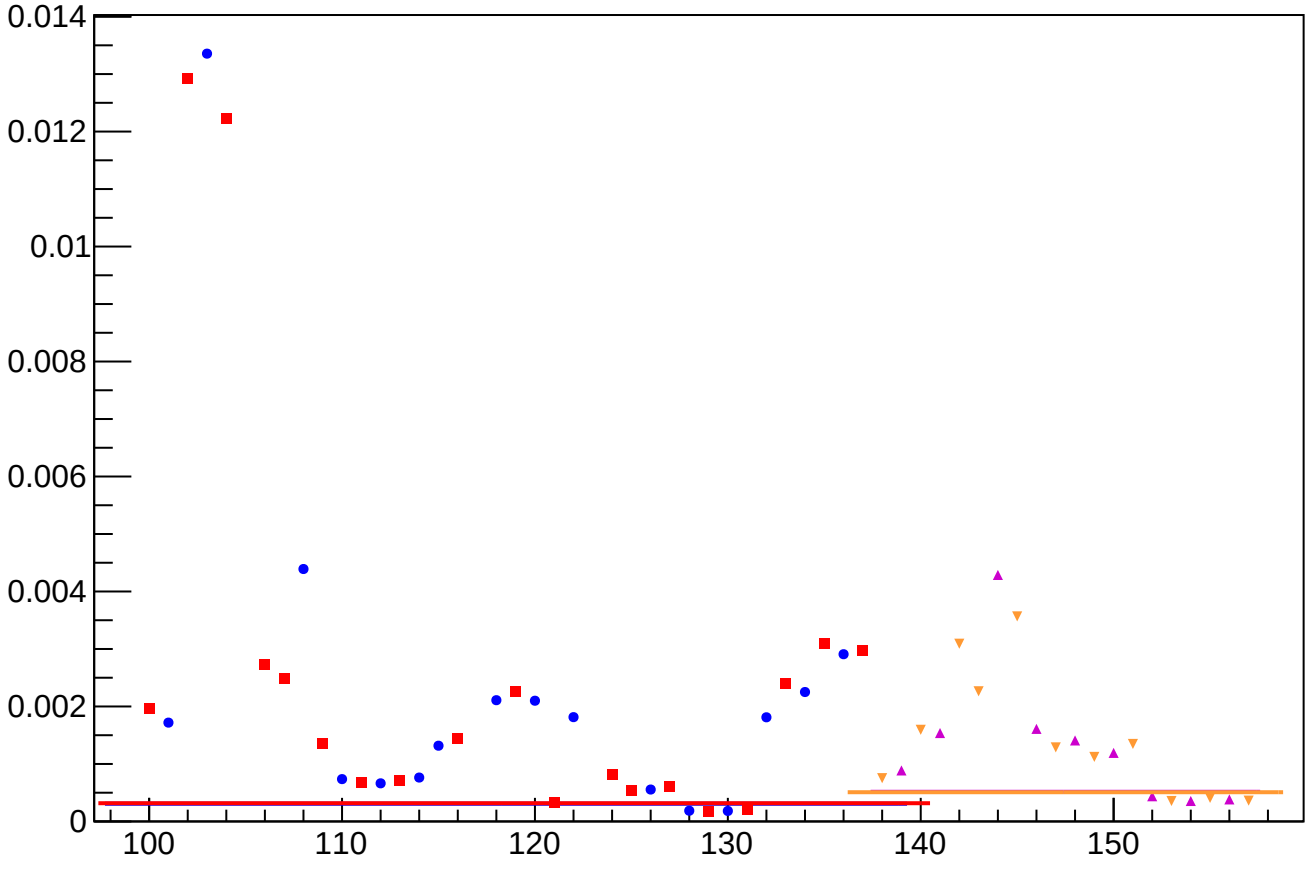
Left In: 0.000+/-0.000 χ^2/NDF:6.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 42.5/26

All: 0.000+/-0.000 χ^2/NDF: 69.0/54

- sign -0.000+/-0.000 χ^2/NDF: 23.9/27

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5803800.0/10

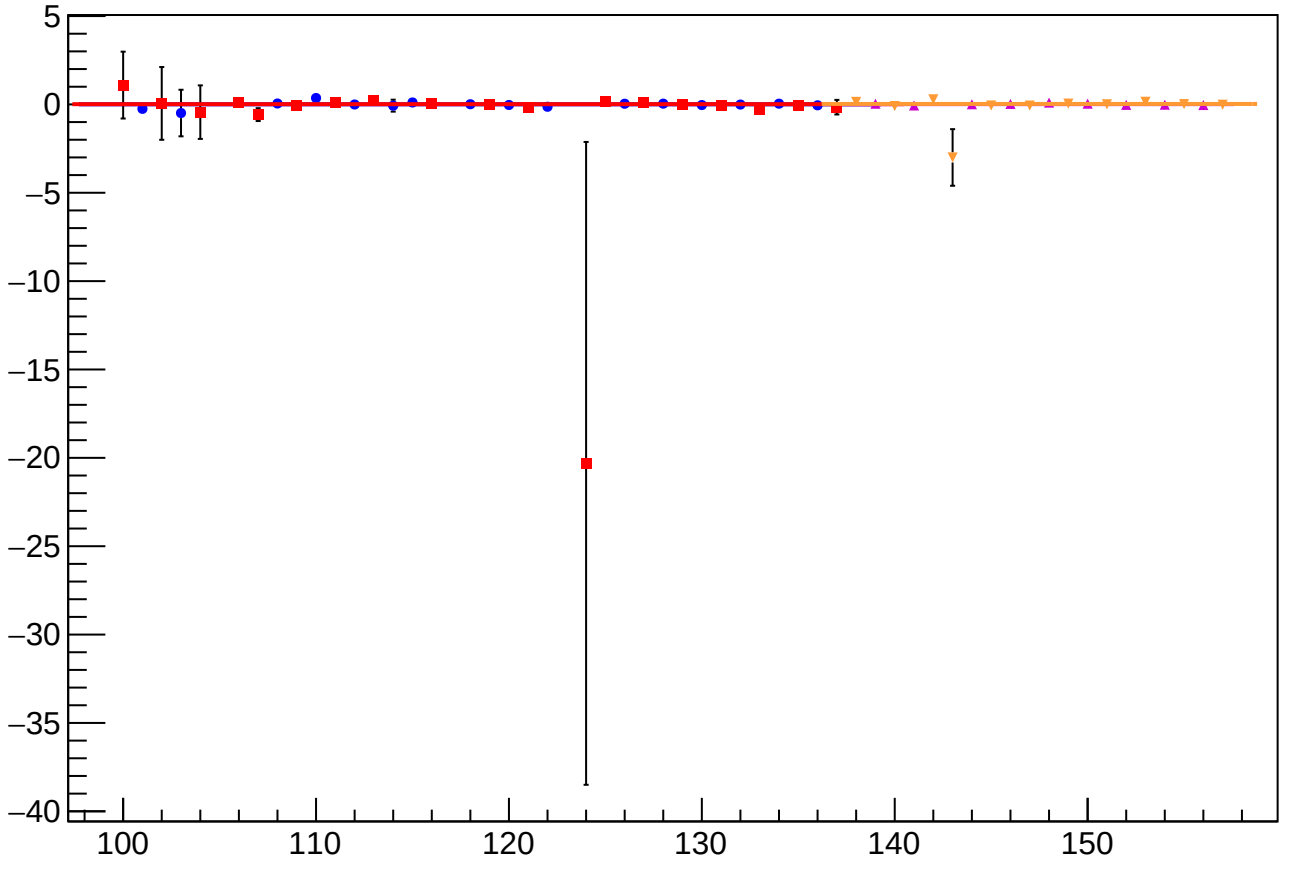
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:4958375.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 15509750.7/26

All: 0.000+/-0.000 χ^2/NDF: 29345081.6/54

- sign 0.000+/-0.000 χ^2/NDF: 13835311.7/27



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

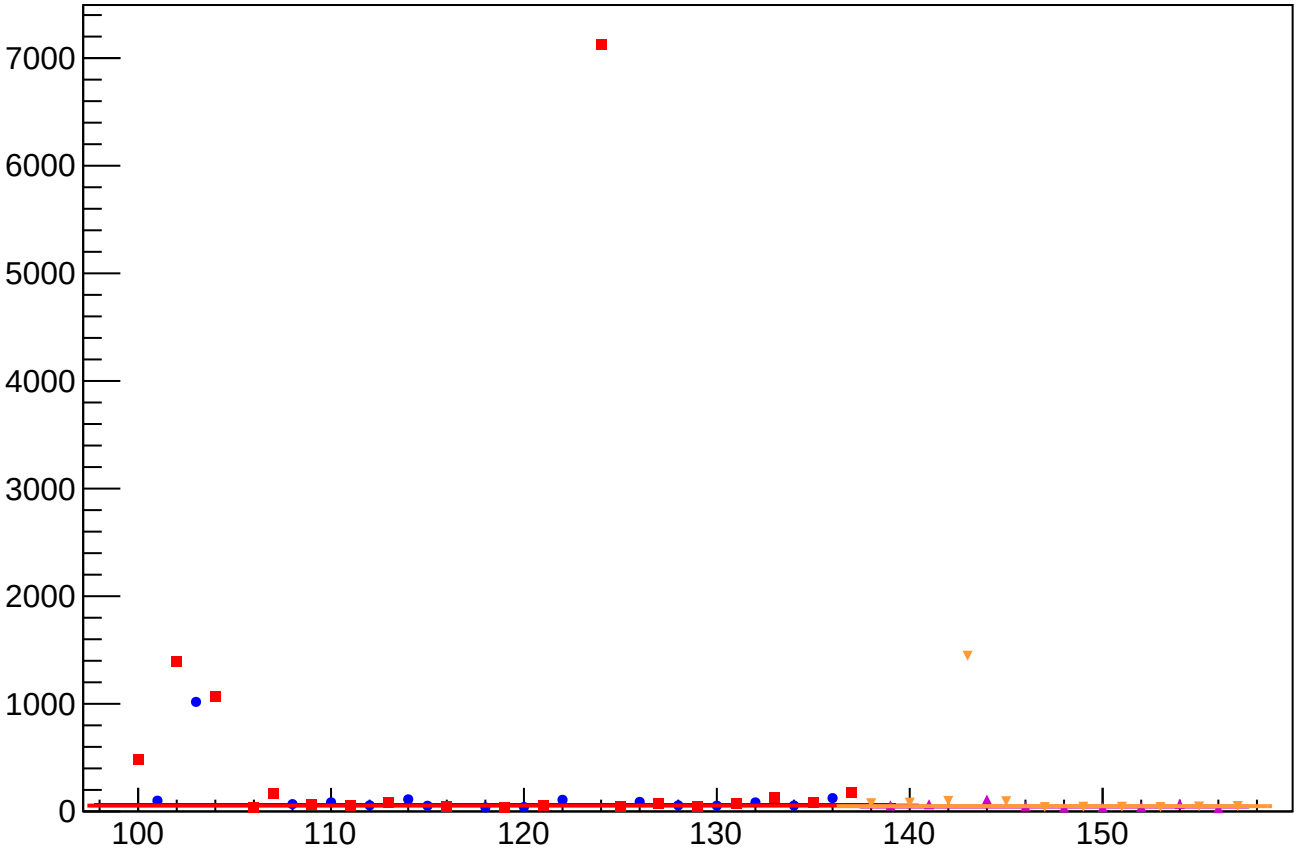
Left In: 0.015+/-0.019 χ^2/NDF:7.5/8

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.016+/-0.011 χ^2/NDF: 58.0/54

- sign 0.014+/-0.015 χ^2/NDF: 25.1/27

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621287.5/10

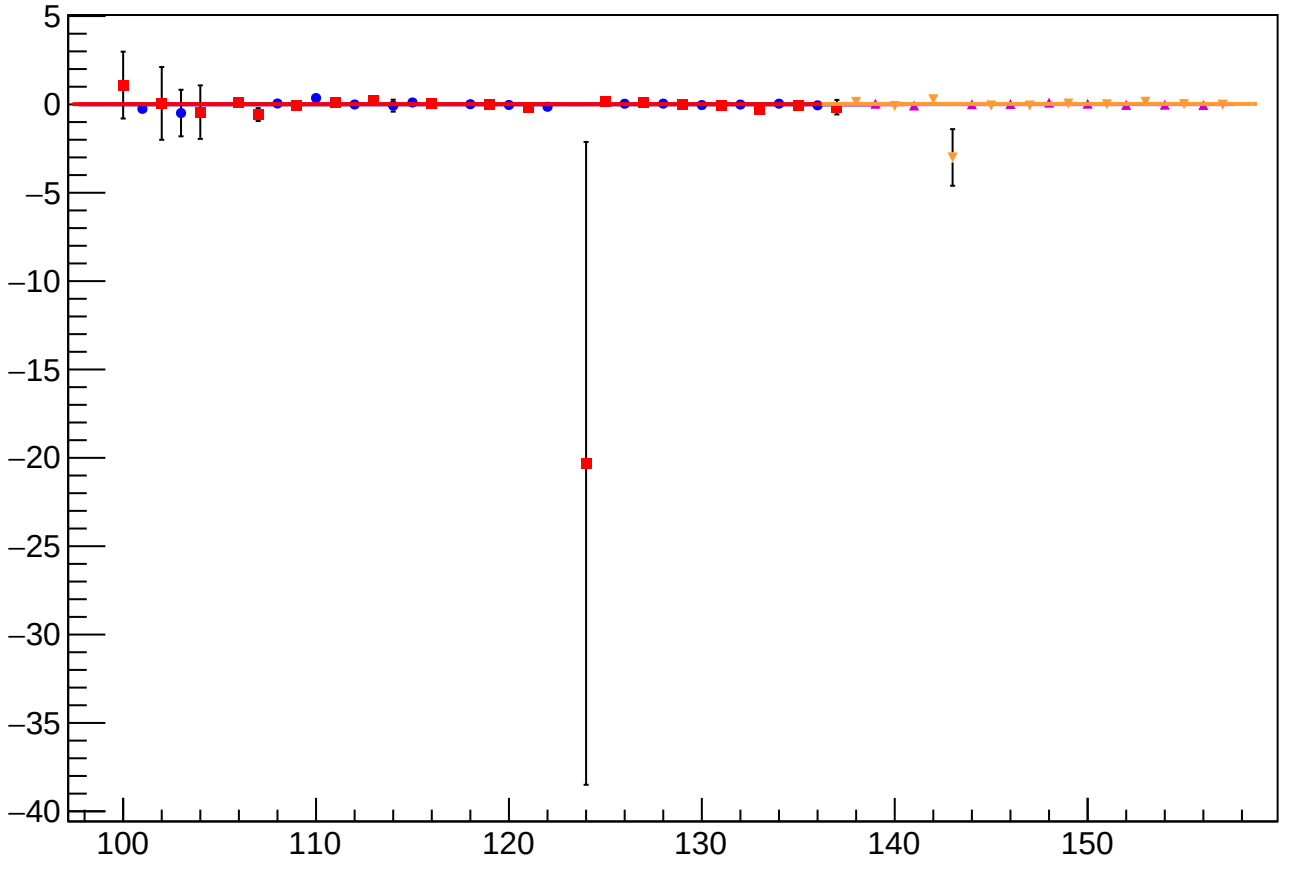
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.431+/-0.013 χ^2/NDF:1326126.2/8

+ sign 52.856+/-0.011 χ^2/NDF: 5371556.9/26

All: 50.525+/-0.008 χ^2/NDF: 10454952.2/54

- sign 48.432+/-0.011 χ^2/NDF: 5001700.6/27



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.025+/-0.020 χ^2/NDF:21.1/10

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

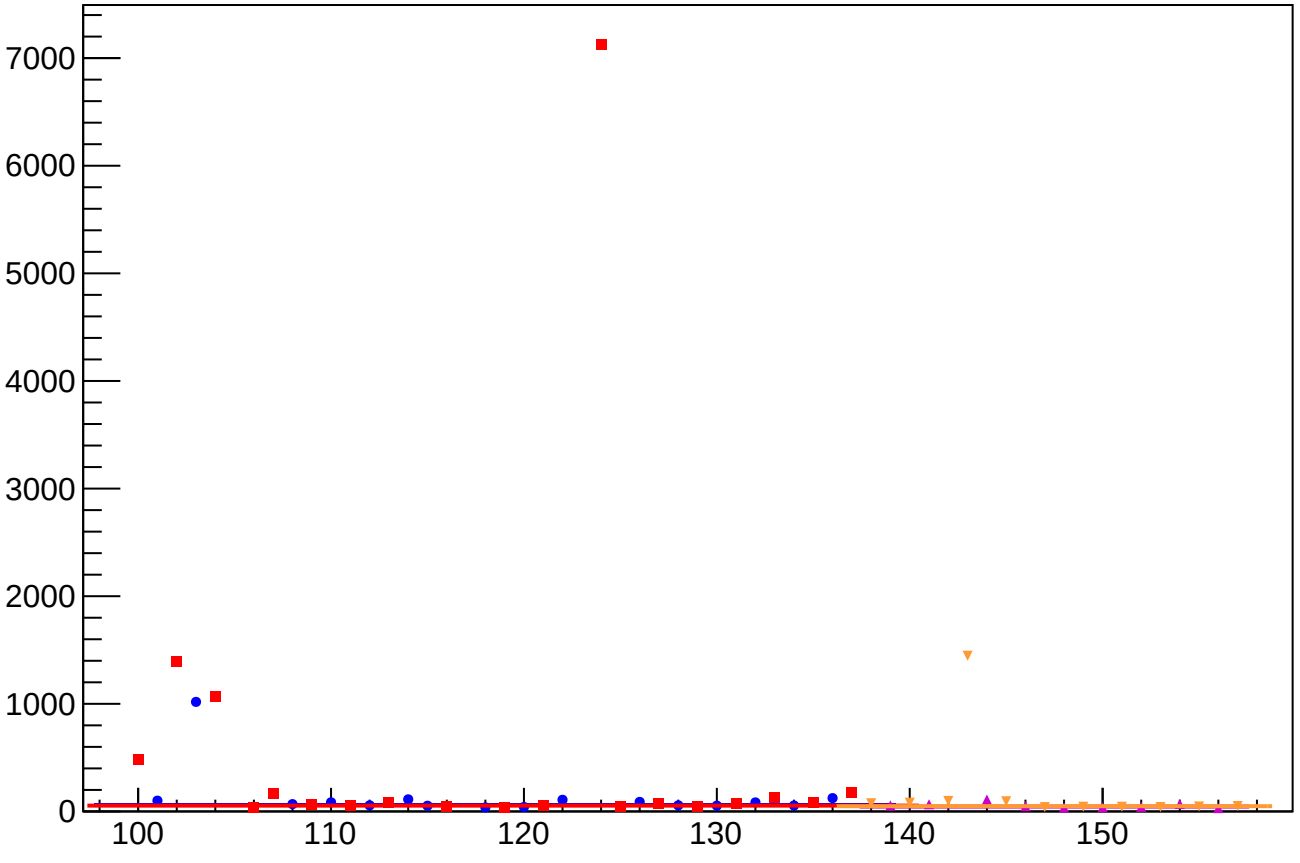
Left In: 0.015+/-0.019 χ^2/NDF:7.5/8

+ sign 0.018+/-0.016 χ^2/NDF: 32.9/26

All: 0.016+/-0.011 χ^2/NDF: 58.0/54

- sign 0.014+/-0.015 χ^2/NDF: 25.1/27

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.036+/-0.014 χ^2/NDF:2621287.5/10

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

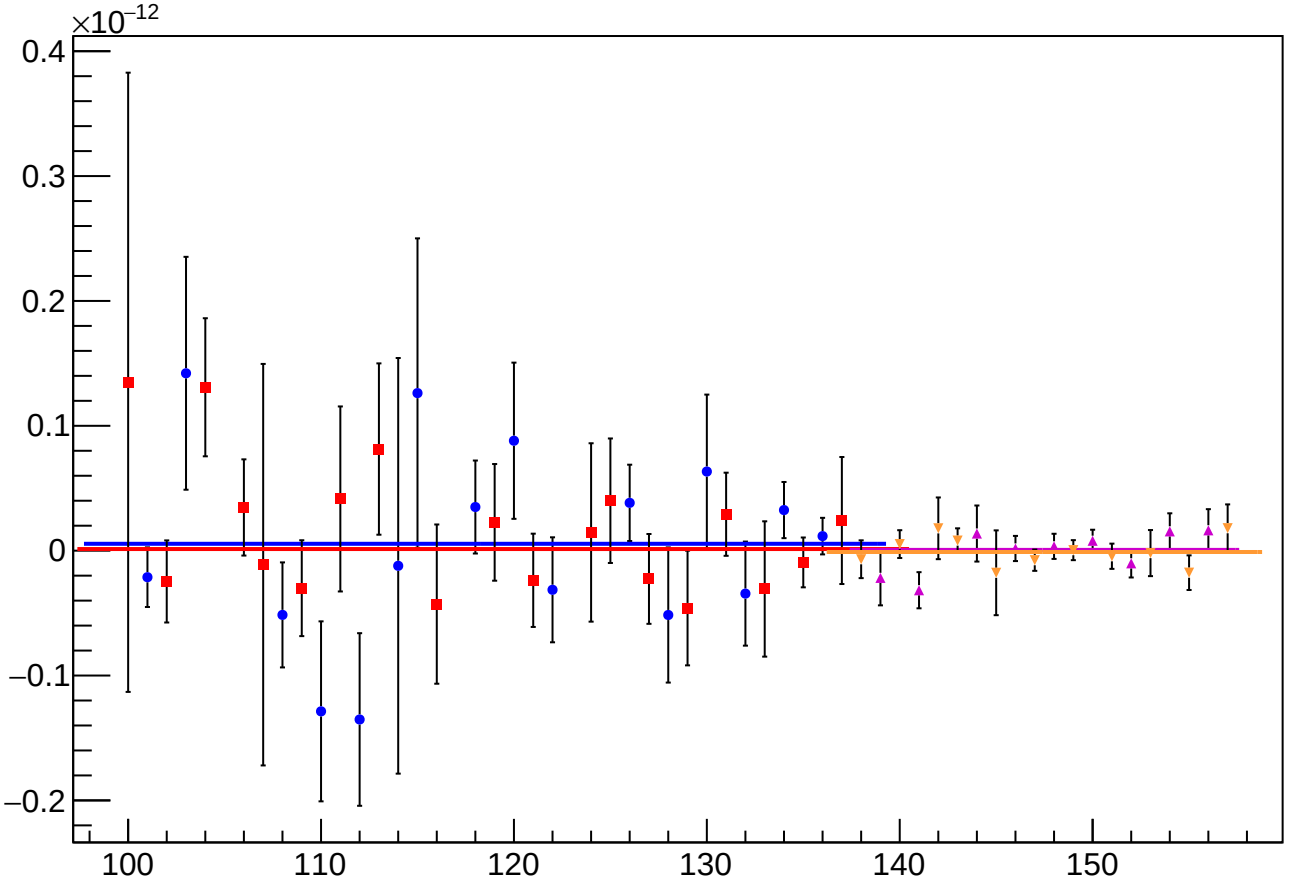
Left In: 45.431+/-0.013 χ^2/NDF:1326126.2/8

+ sign 52.856+/-0.011 χ^2/NDF: 5371556.9/26

All: 50.525+/-0.008 χ^2/NDF: 10454952.2/54

- sign 48.432+/-0.011 χ^2/NDF: 5001700.6/27

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/10

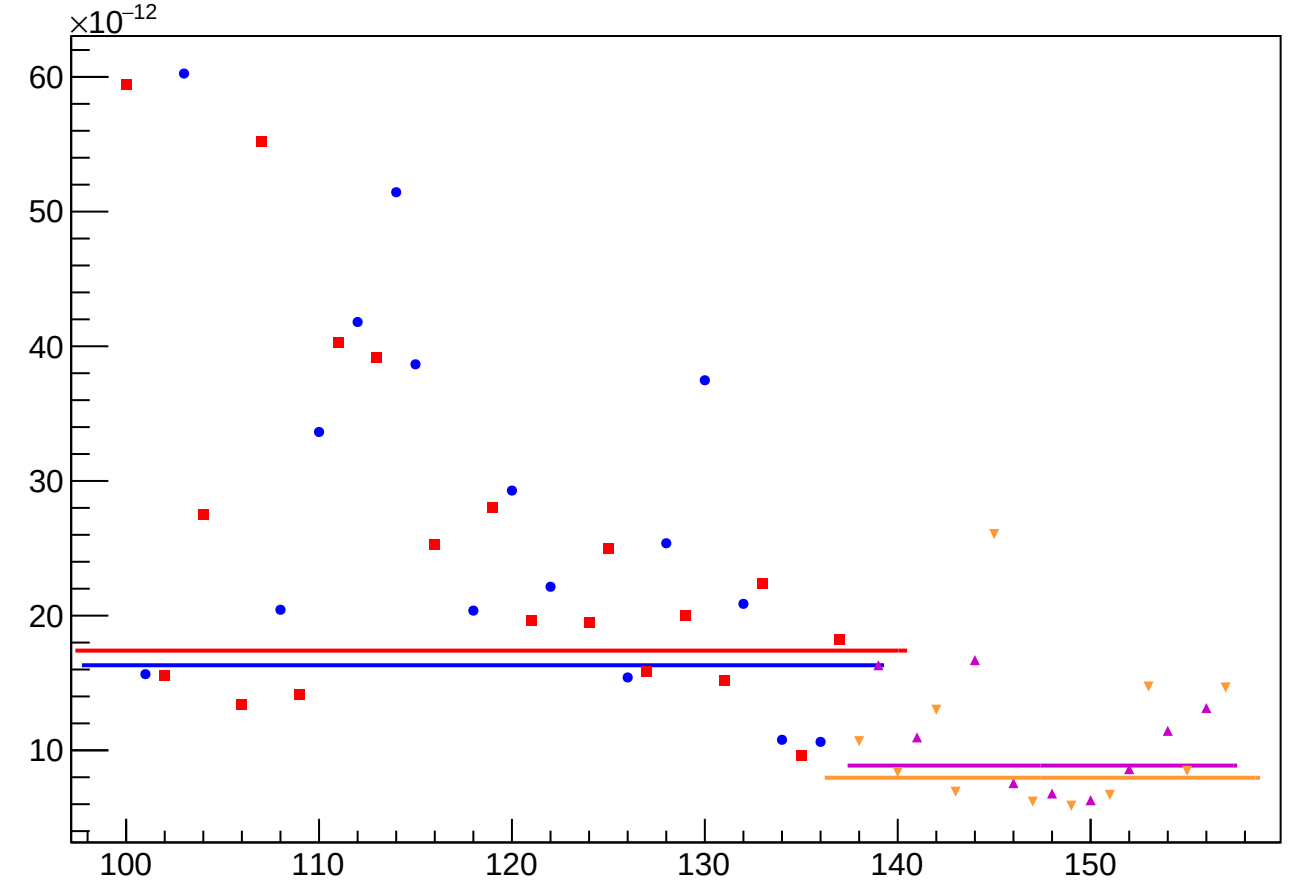
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/26

All: 0.000+/-0.000 χ^2/NDF: 52.7/54

- sign 0.000+/-0.000 χ^2/NDF: 24.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1512458.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

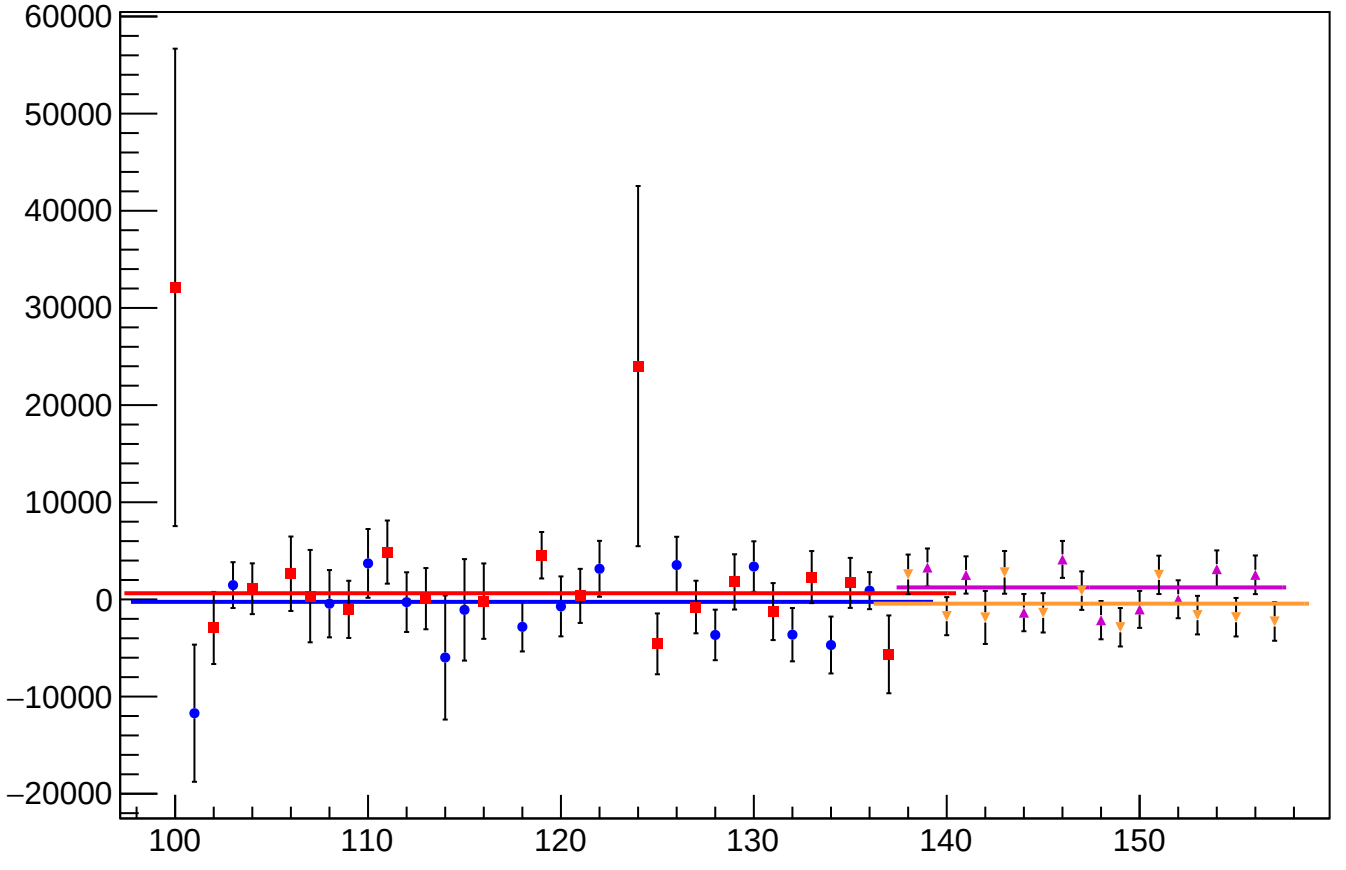
Left In: 0.000+/-0.000 χ^2/NDF:993668.2/8

\+ sign 0.000+/-0.000 χ^2/NDF: 4991780.9/26

All: 0.000+/-0.000 χ^2/NDF: 8543518.9/54

\- sign 0.000+/-0.000 χ^2/NDF: 3480868.1/27

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -437.317+/-618.316 χ^2/NDF:11.2/10

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

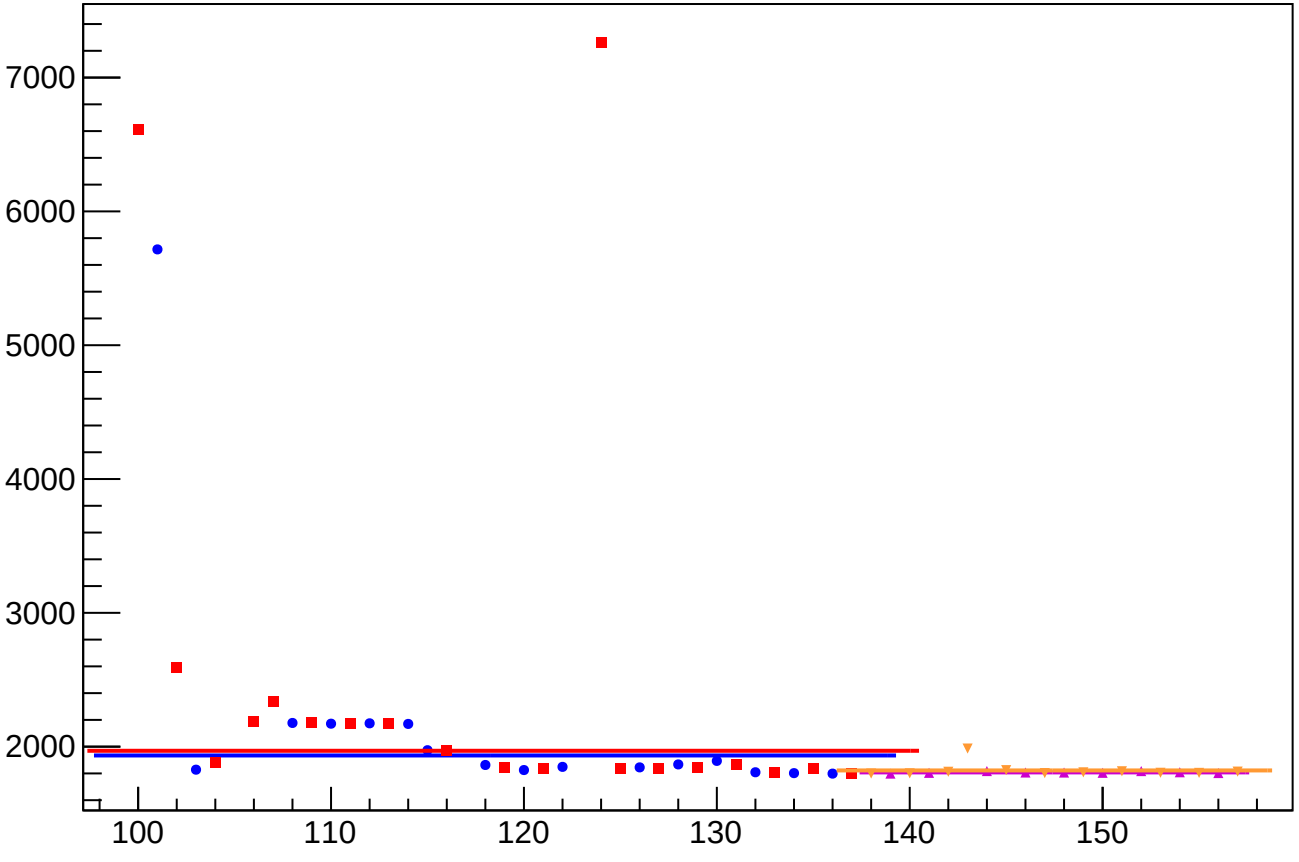
Left In: 1234.777+/-645.473 χ^2/NDF:11.8/8

+ sign -360.241+/-473.187 χ^2/NDF: 28.5/26

All: 290.384+/-338.739 χ^2/NDF: 60.4/54

- sign 974.285+/-485.136 χ^2/NDF: 28.1/27

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

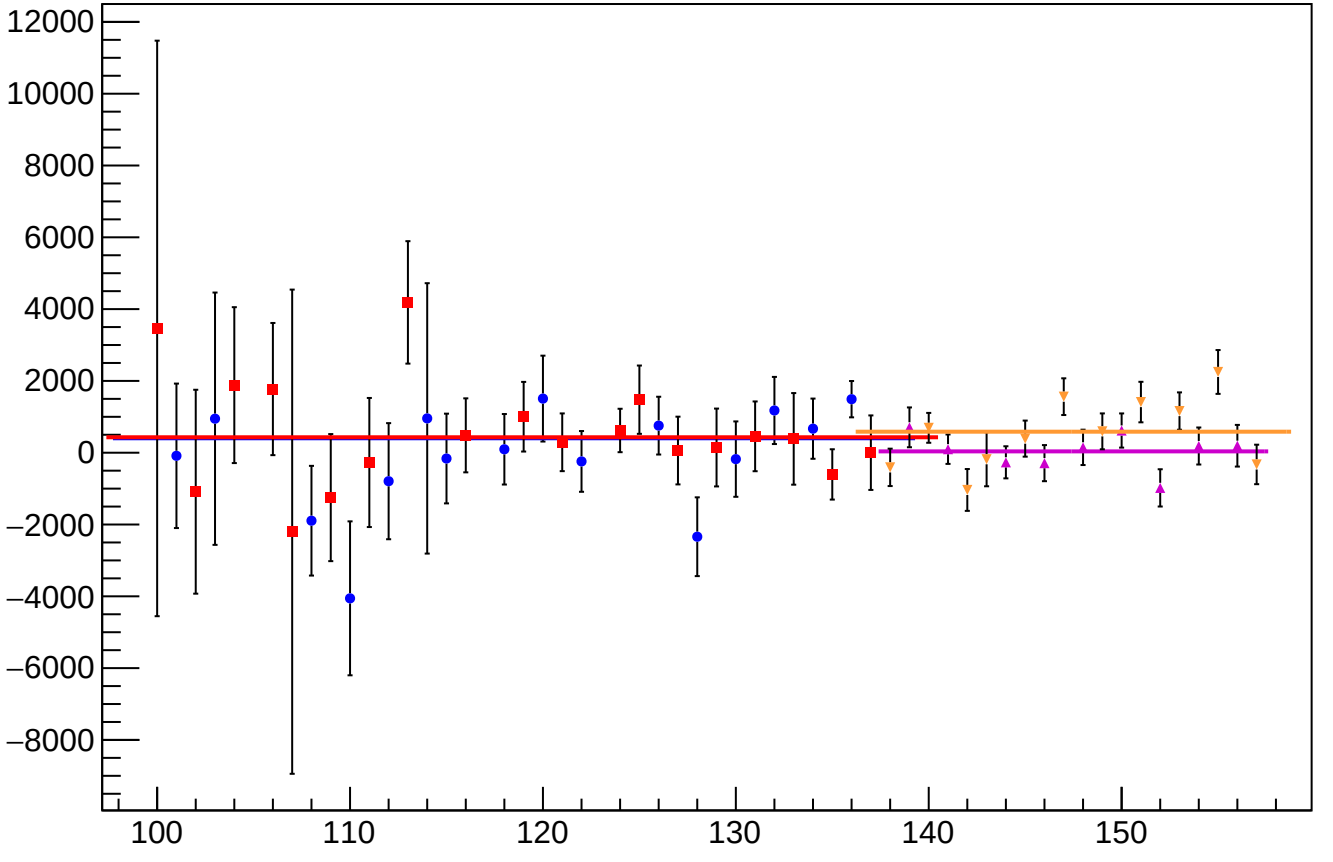
Left In: 1807.641+/-0.456 χ^2/NDF:171.6/8

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.6/26

All: 1873.199+/-0.240 χ^2/NDF: 1112793.5/54

- sign 1877.937+/-0.343 χ^2/NDF: 433069.5/27

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 585.701+/-160.551 χ^2/NDF:29.8/10

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

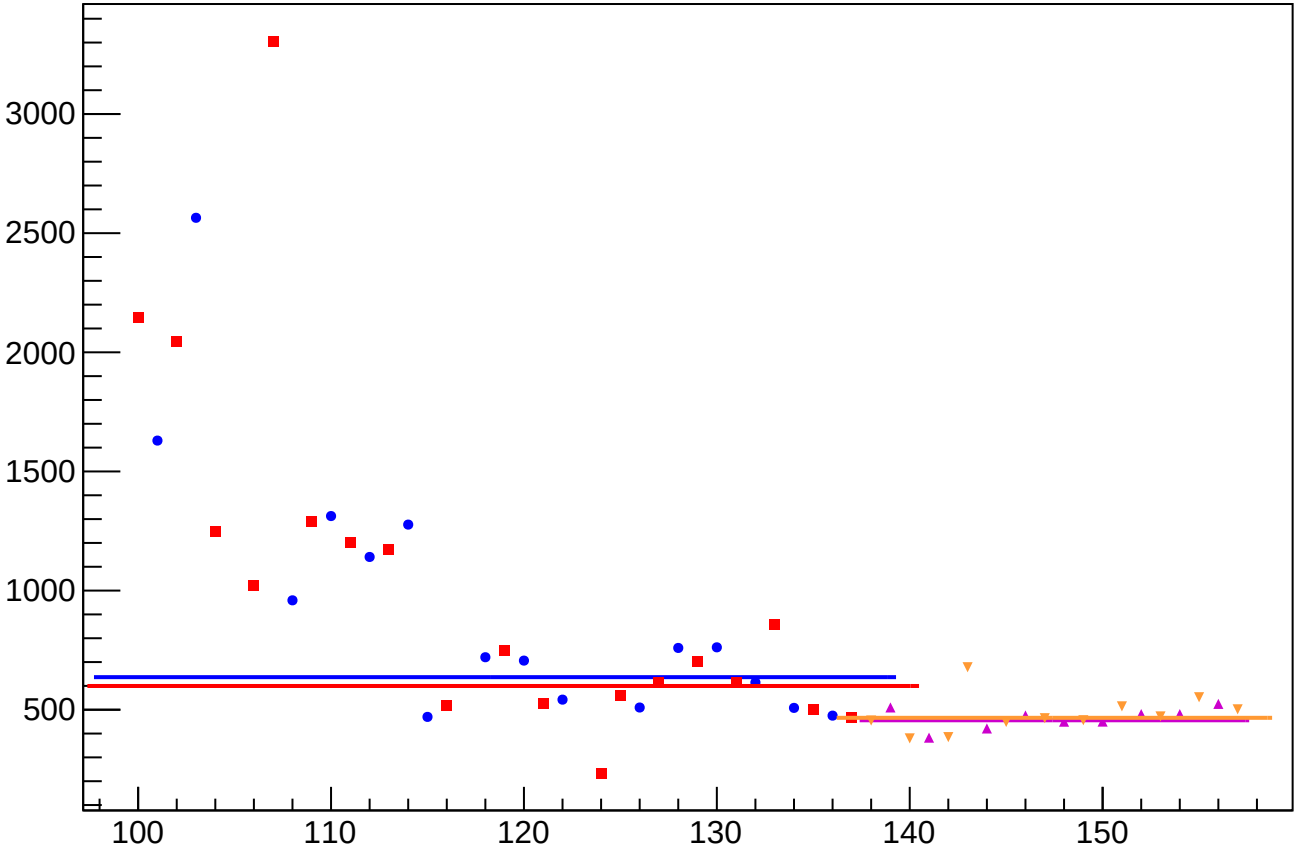
Left In: 37.199+/-164.072 χ^2/NDF:7.9/8

+ sign 534.760+/-136.397 χ^2/NDF: 51.3/26

All: 345.907+/-96.880 χ^2/NDF: 76.5/54

- sign 153.623+/-137.631 χ^2/NDF: 21.3/27

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 466.045+/-0.114 χ^2/NDF:350596.6/10

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

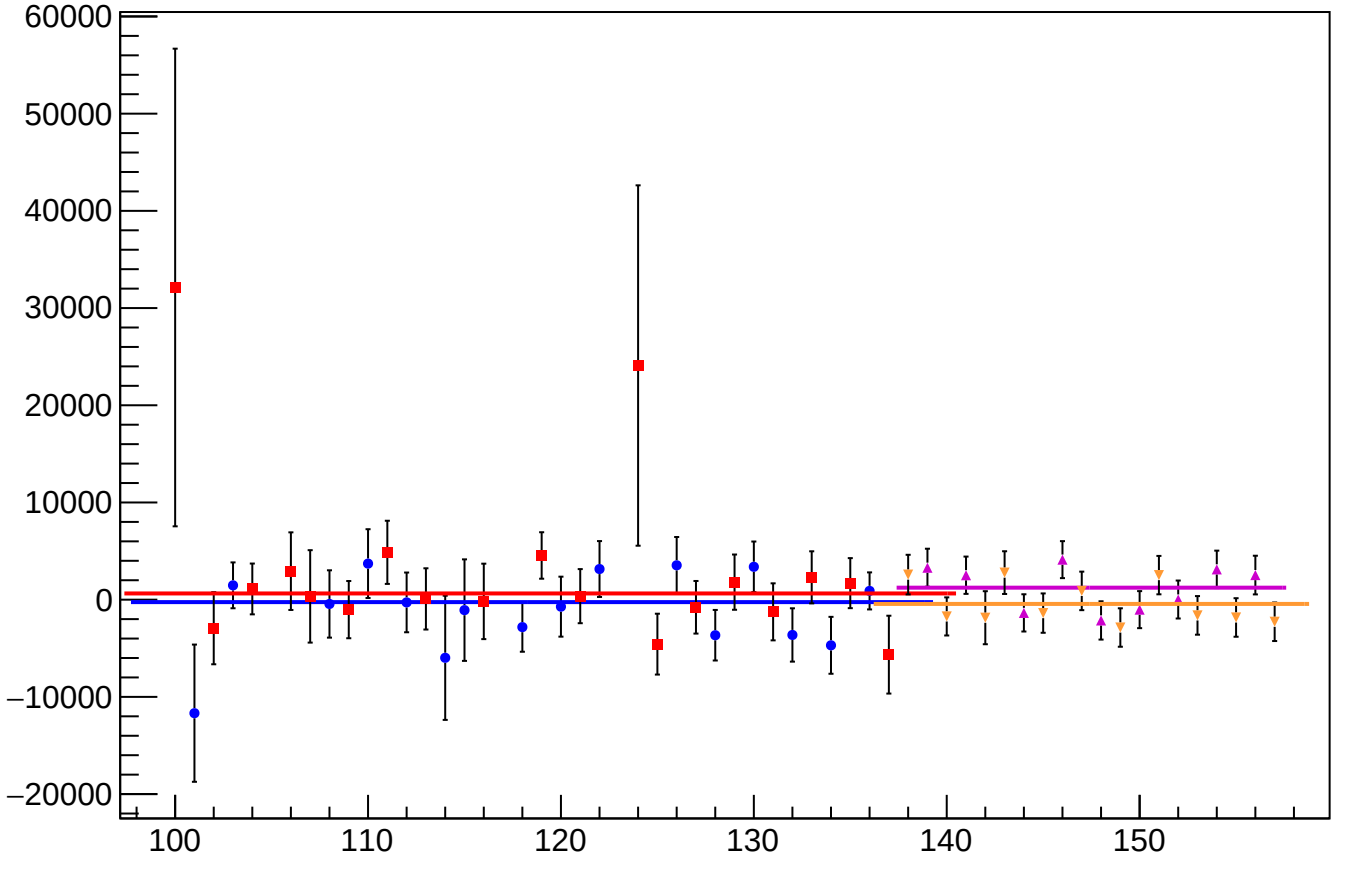
Left In: 455.729+/-0.116 χ^2/NDF:136067.1/8

+ sign 513.530+/-0.096 χ^2/NDF: 3046243.0/26

All: 506.020+/-0.069 χ^2/NDF: 6594569.6/54

- sign 498.374+/-0.097 χ^2/NDF: 3536089.4/27

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -437.418+/-618.316 χ^2/NDF:11.2/10

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

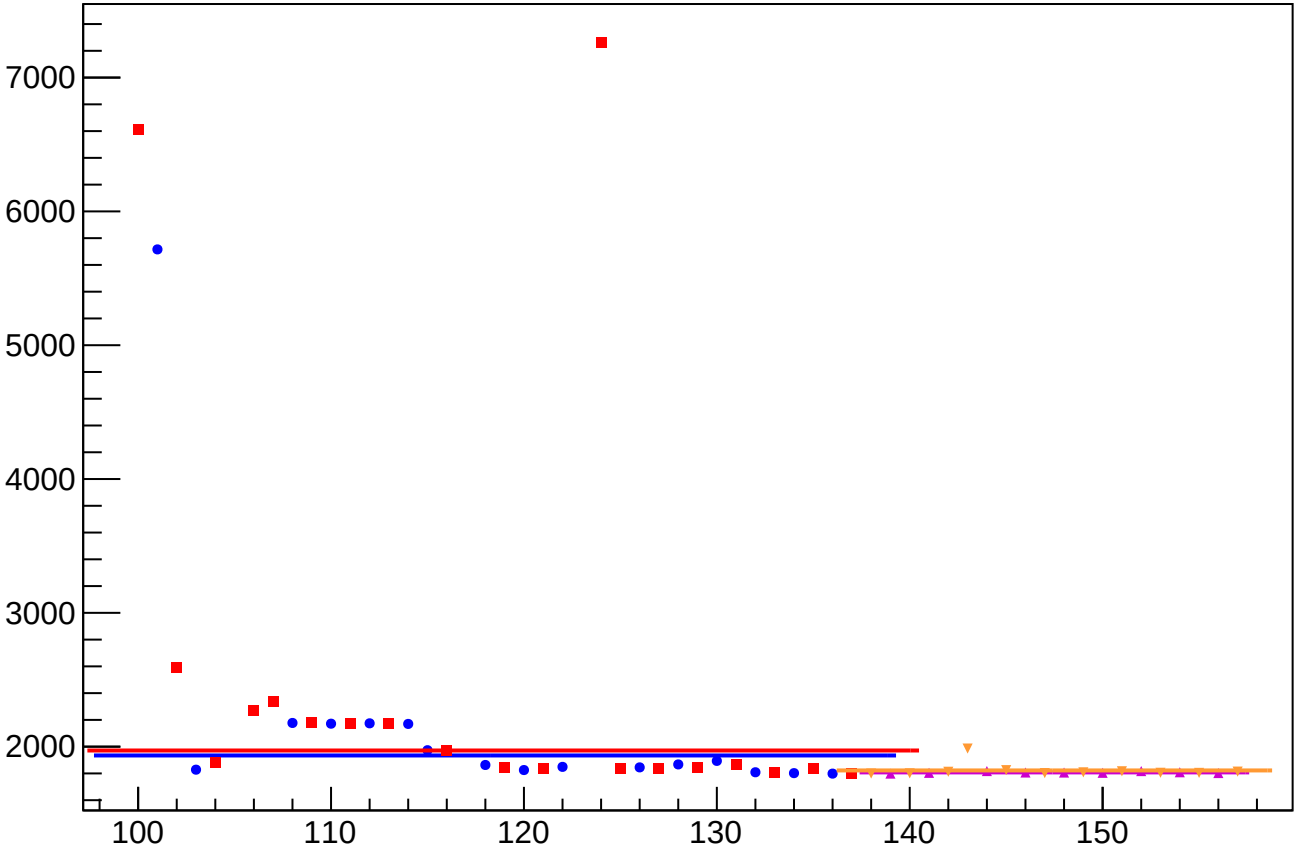
Left In: 1234.759+/-645.473 χ^2/NDF:11.8/8

+ sign -359.965+/-473.187 χ^2/NDF: 28.5/26

All: 291.320+/-338.844 χ^2/NDF: 60.5/54

- sign 976.781+/-485.443 χ^2/NDF: 28.1/27

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

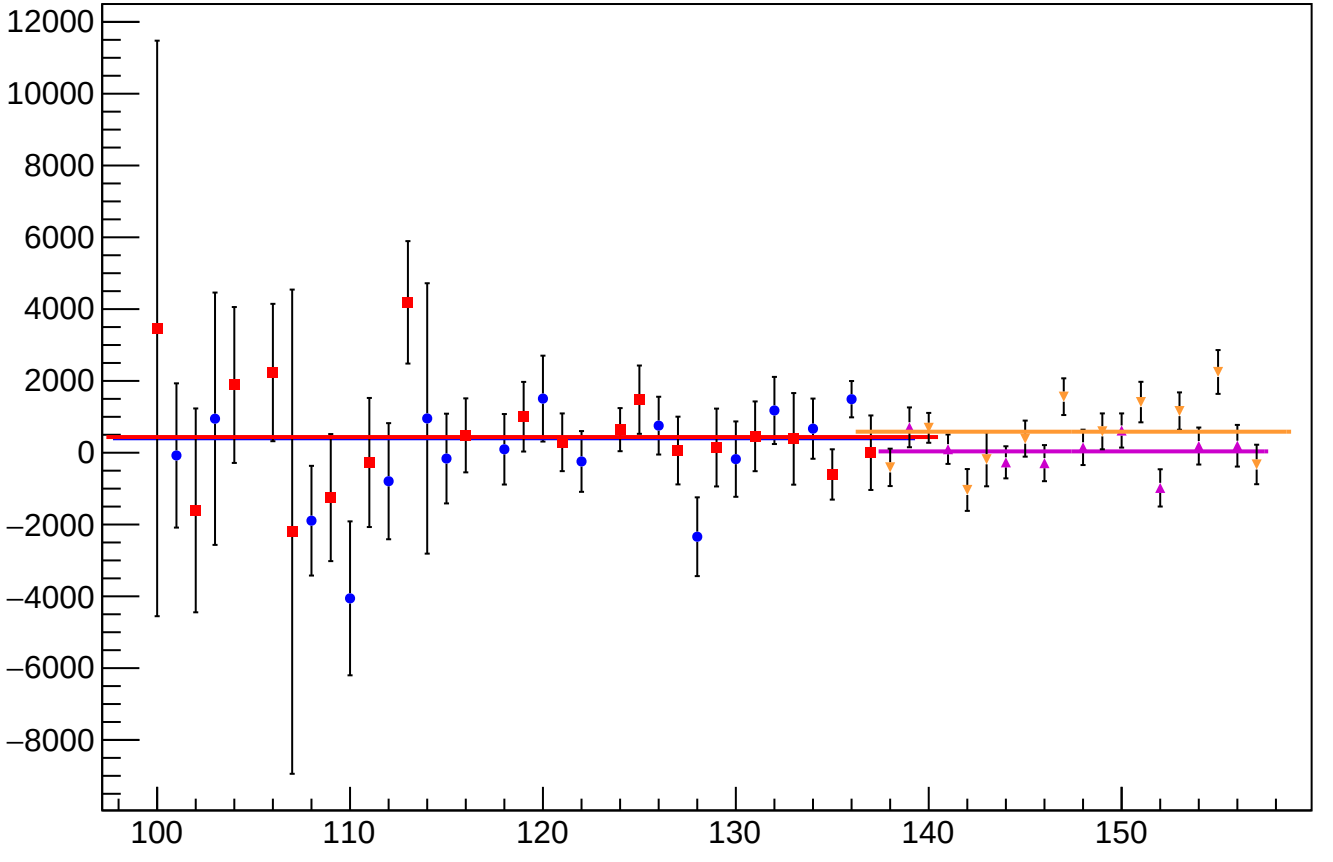
Left In: 1807.641+/-0.456 χ^2/NDF:171.6/8

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.5/26

All: 1873.595+/-0.240 χ^2/NDF: 1119030.2/54

- sign 1878.757+/-0.343 χ^2/NDF: 439237.7/27

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

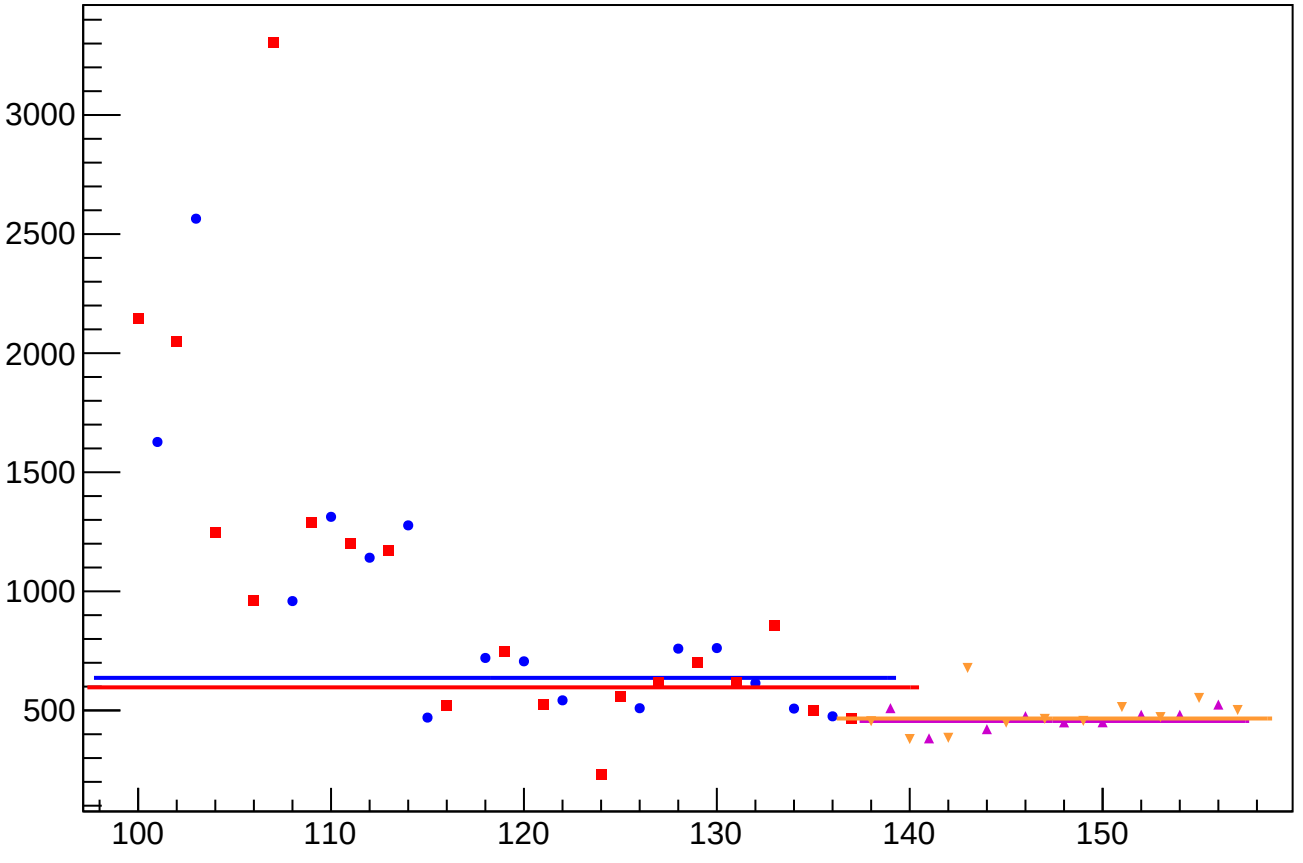
Left In: 37.209+/-164.070 χ^2/NDF:7.9/8

+ sign 534.705+/-136.396 χ^2/NDF: 51.3/26

All: 346.869+/-96.871 χ^2/NDF: 77.2/54

- sign 155.690+/-137.605 χ^2/NDF: 22.0/27

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

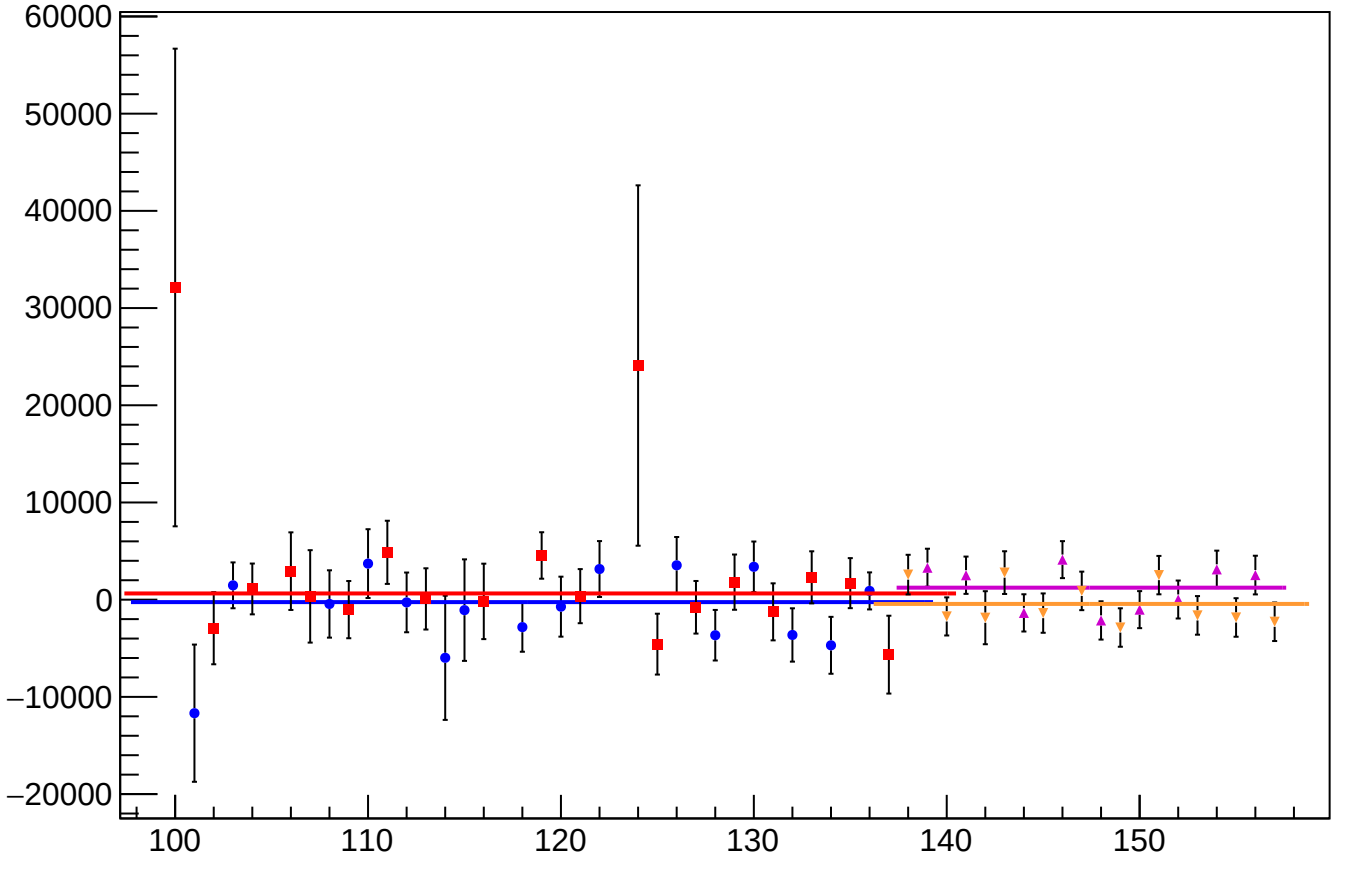
Left In: 455.722+/-0.116 χ^2/NDF:136083.3/8

+ sign 513.537+/-0.096 χ^2/NDF: 3045296.4/26

All: 505.630+/-0.068 χ^2/NDF: 6564343.6/54

- sign 497.582+/-0.097 χ^2/NDF: 3505485.8/27

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -437.418+/-618.316 χ^2/NDF:11.2/10

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

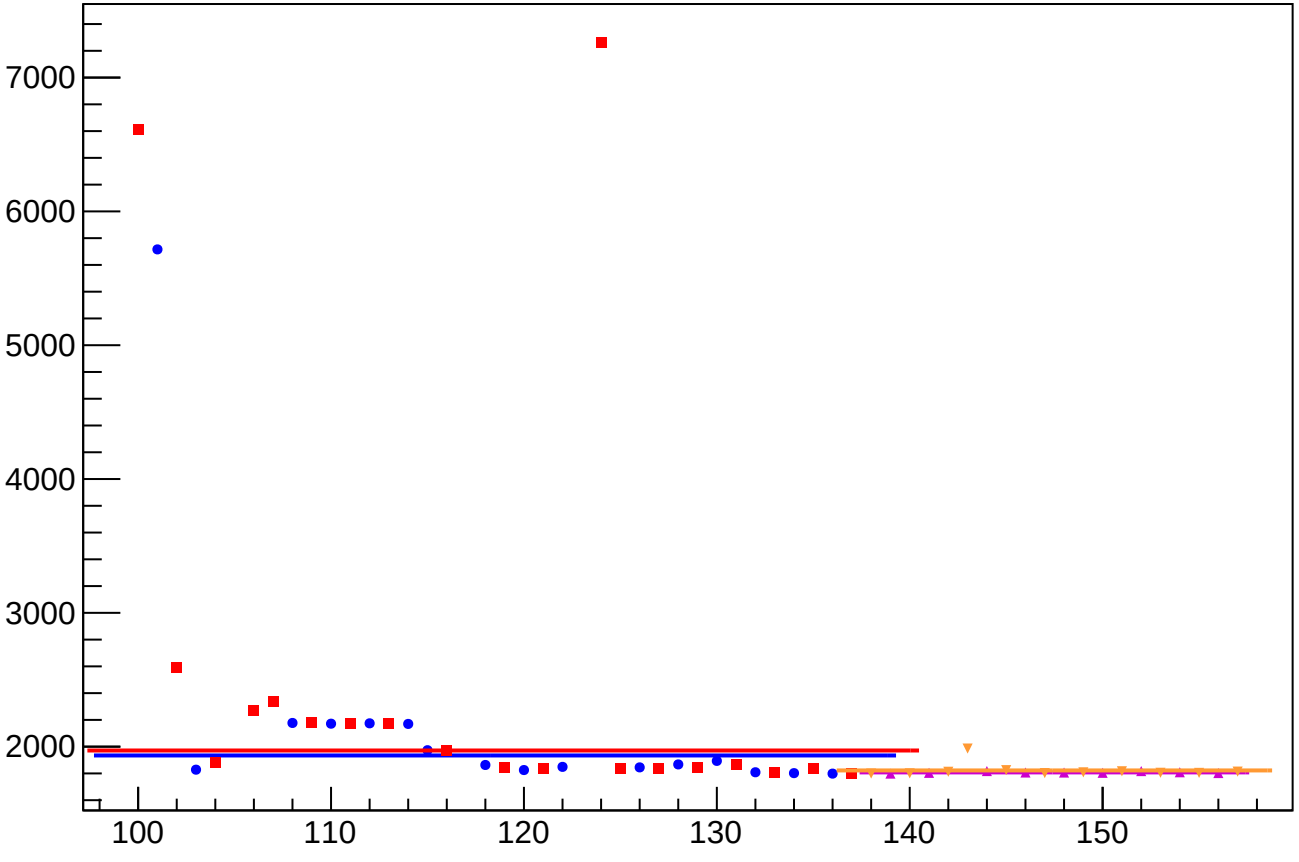
Left In: 1234.759+/-645.473 χ^2/NDF:11.8/8

+ sign -359.965+/-473.187 χ^2/NDF: 28.5/26

All: 291.320+/-338.844 χ^2/NDF: 60.5/54

- sign 976.781+/-485.443 χ^2/NDF: 28.1/27

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1822.332+/-0.437 χ^2/NDF:12298.2/10

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

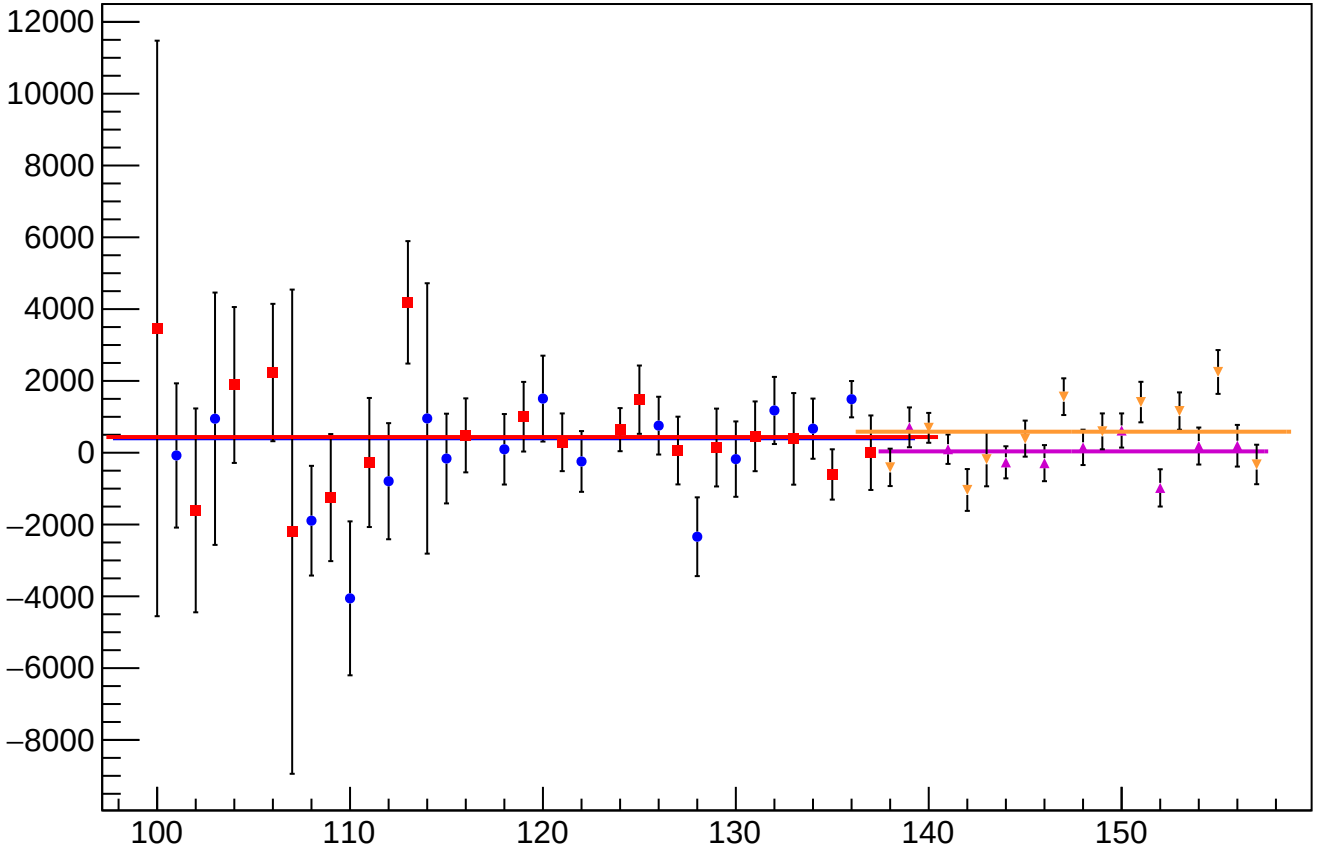
Left In: 1807.641+/-0.456 χ^2/NDF:171.6/8

+ sign 1868.691+/-0.335 χ^2/NDF: 679351.5/26

All: 1873.595+/-0.240 χ^2/NDF: 1119030.2/54

- sign 1878.757+/-0.343 χ^2/NDF: 439237.7/27

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 585.601+/-160.552 χ^2/NDF:29.8/10

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

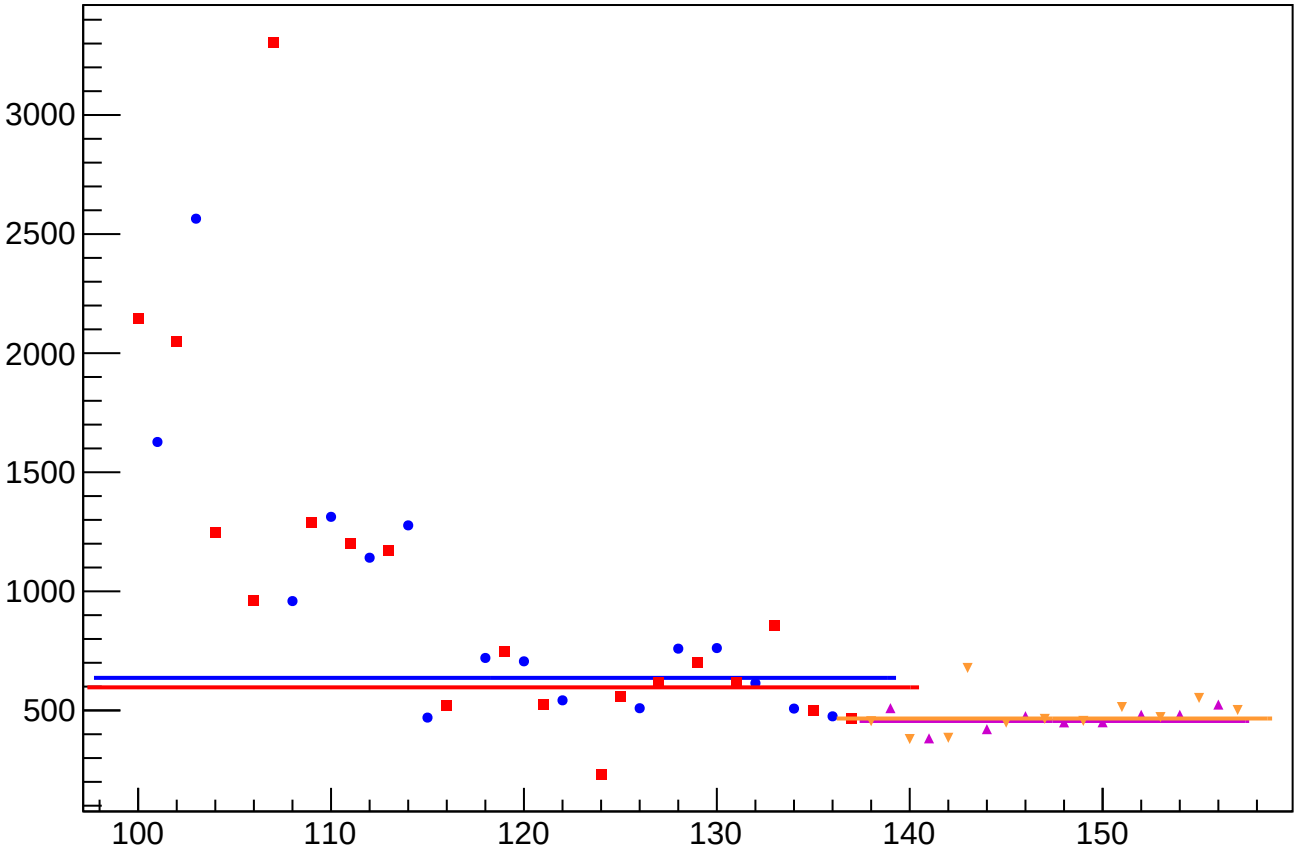
Left In: 37.209+/-164.070 χ^2/NDF:7.9/8

+ sign 534.705+/-136.396 χ^2/NDF: 51.3/26

All: 346.869+/-96.871 χ^2/NDF: 77.2/54

- sign 155.690+/-137.605 χ^2/NDF: 22.0/27

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 466.050+/-0.114 χ^2/NDF:350533.7/10

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

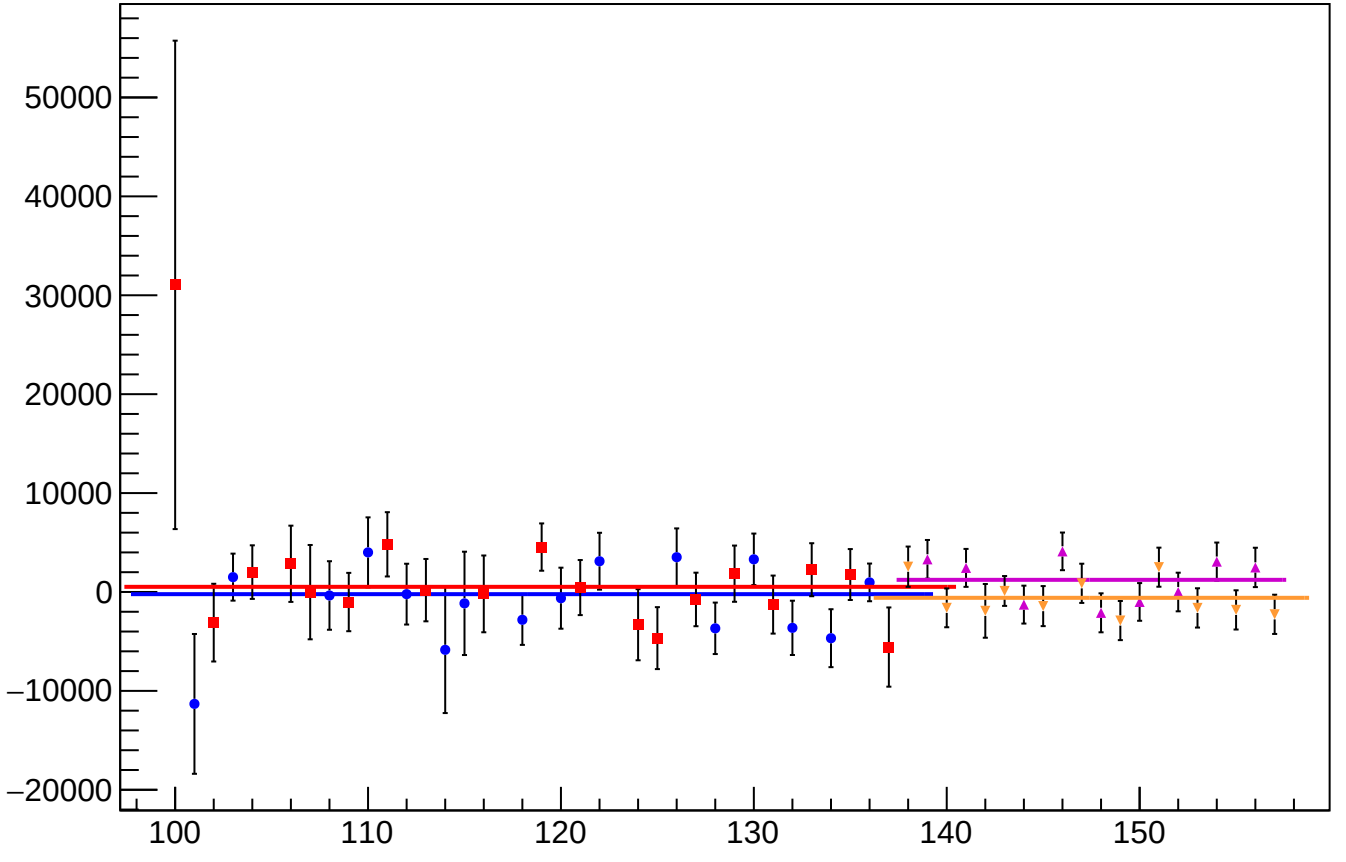
Left In: 455.722+/-0.116 χ^2/NDF:136083.3/8

+ sign 513.537+/-0.096 χ^2/NDF: 3045296.4/26

All: 505.630+/-0.068 χ^2/NDF: 6564343.6/54

- sign 497.582+/-0.097 χ^2/NDF: 3505485.8/27

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

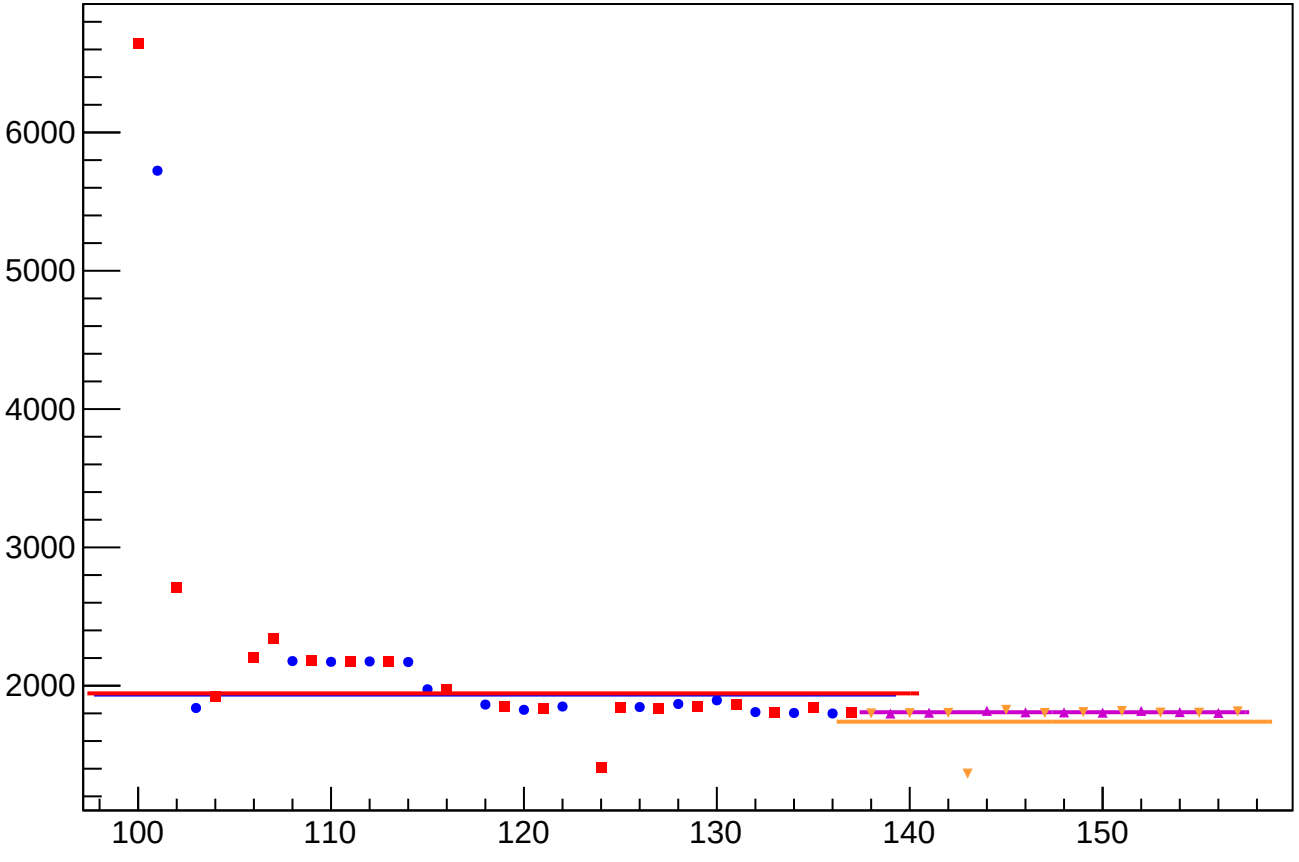
Left In: 1227.826+/-645.687 χ^2/NDF:11.5/8

+ sign -444.668+/-461.581 χ^2/NDF: 26.2/26

All: 205.433+/-333.430 χ^2/NDF: 58.0/54

- sign 914.841+/-482.176 χ^2/NDF: 27.6/27

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

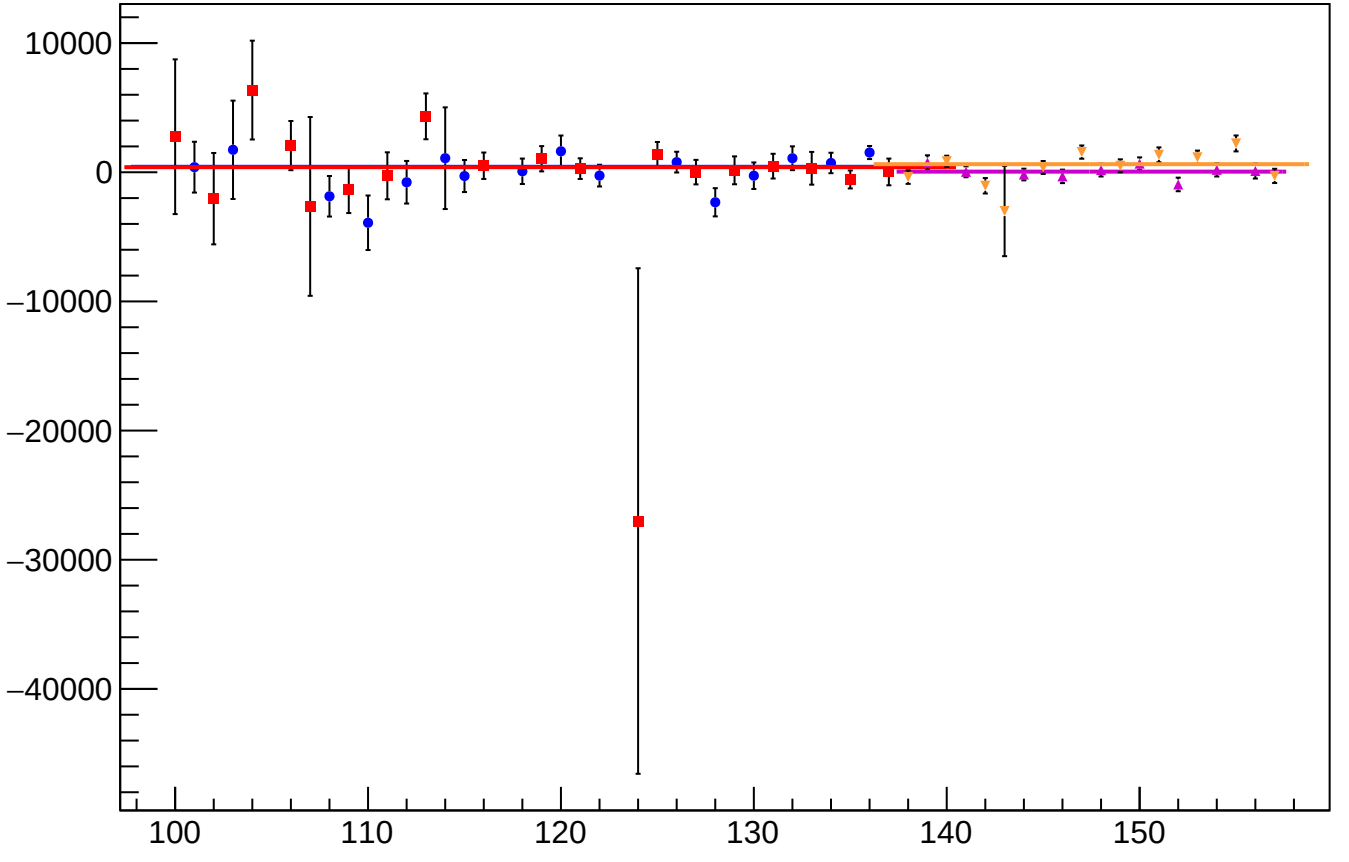
Left In: 1808.241+/-0.457 χ^2/NDF:171.1/8

+ sign 1817.049+/-0.326 χ^2/NDF: 872564.3/26

All: 1841.658+/-0.236 χ^2/NDF: 1200242.8/54

- sign 1868.512+/-0.341 χ^2/NDF: 315790.1/27

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.680+/-166.014 χ^2/NDF:28.6/10

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

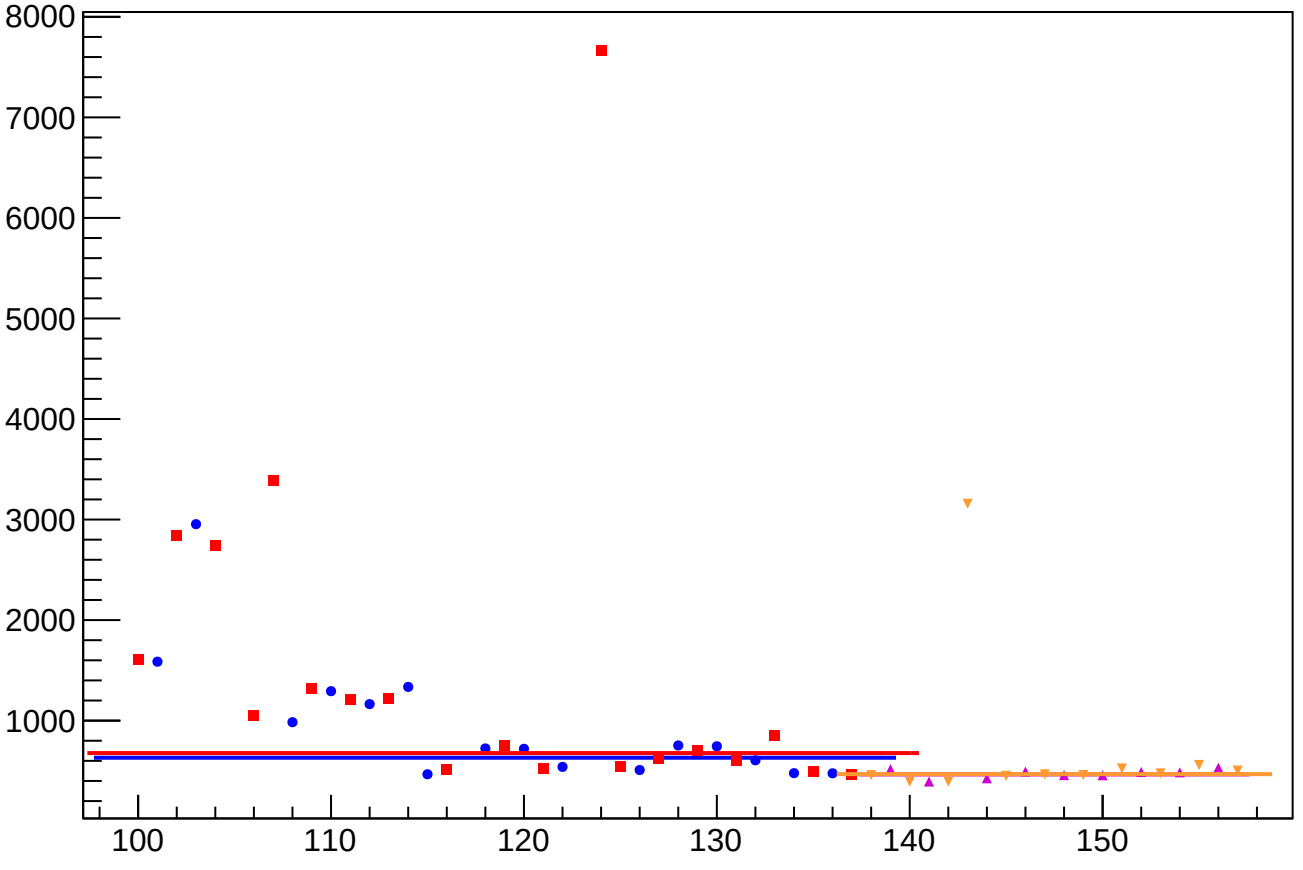
Left In: 48.089+/-167.084 χ^2/NDF:7.7/8

+ sign 565.378+/-139.409 χ^2/NDF: 50.5/26

All: 358.246+/-99.965 χ^2/NDF: 79.7/54

- sign 139.021+/-143.421 χ^2/NDF: 24.6/27

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353077.8/10

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

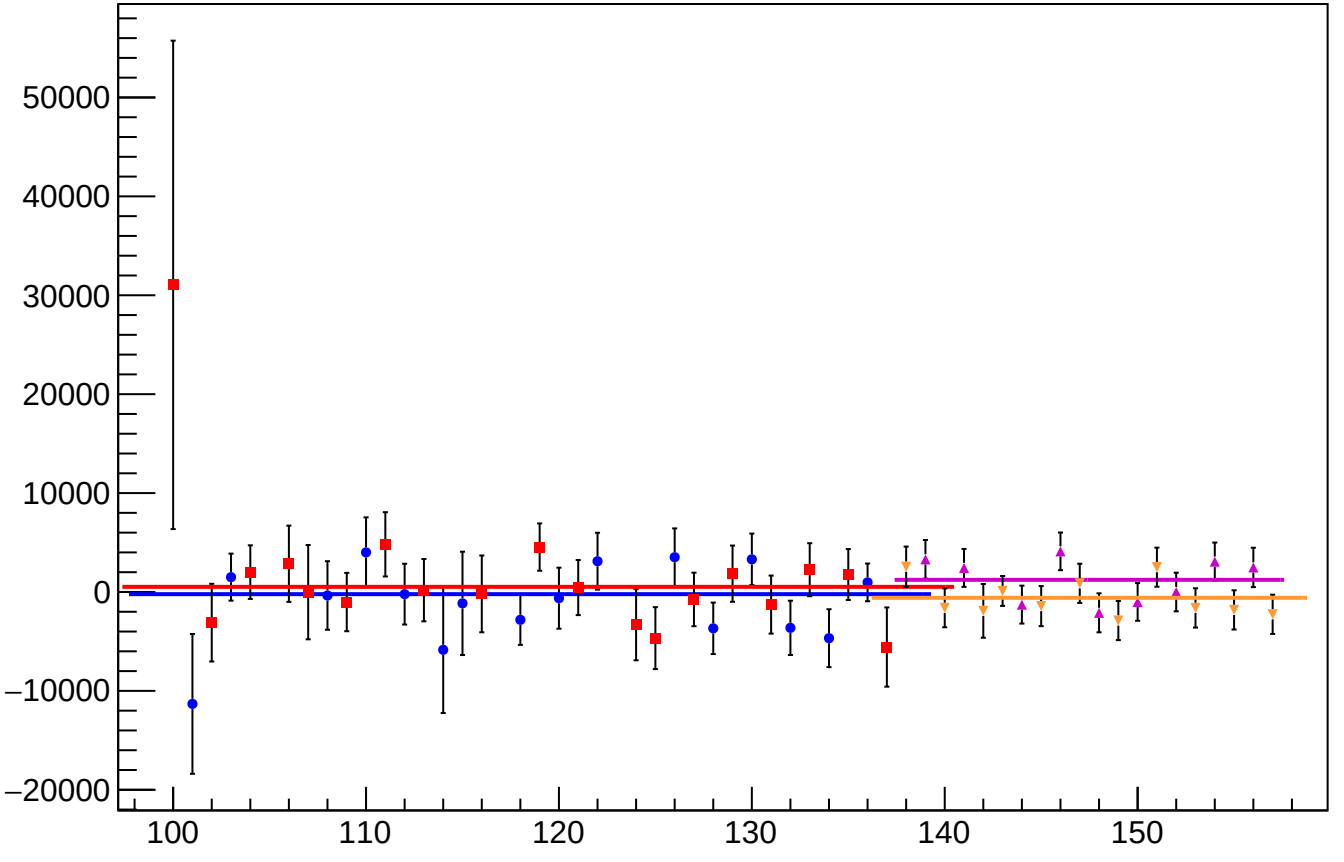
Left In: 464.682+/-0.118 χ^2/NDF:126648.1/8

+ sign 516.066+/-0.099 χ^2/NDF: 4157285.6/26

All: 518.306+/-0.071 χ^2/NDF: 8220039.0/54

- sign 520.677+/-0.101 χ^2/NDF: 4061690.4/27

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -590.139+/-592.665 χ^2/NDF:9.0/10

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

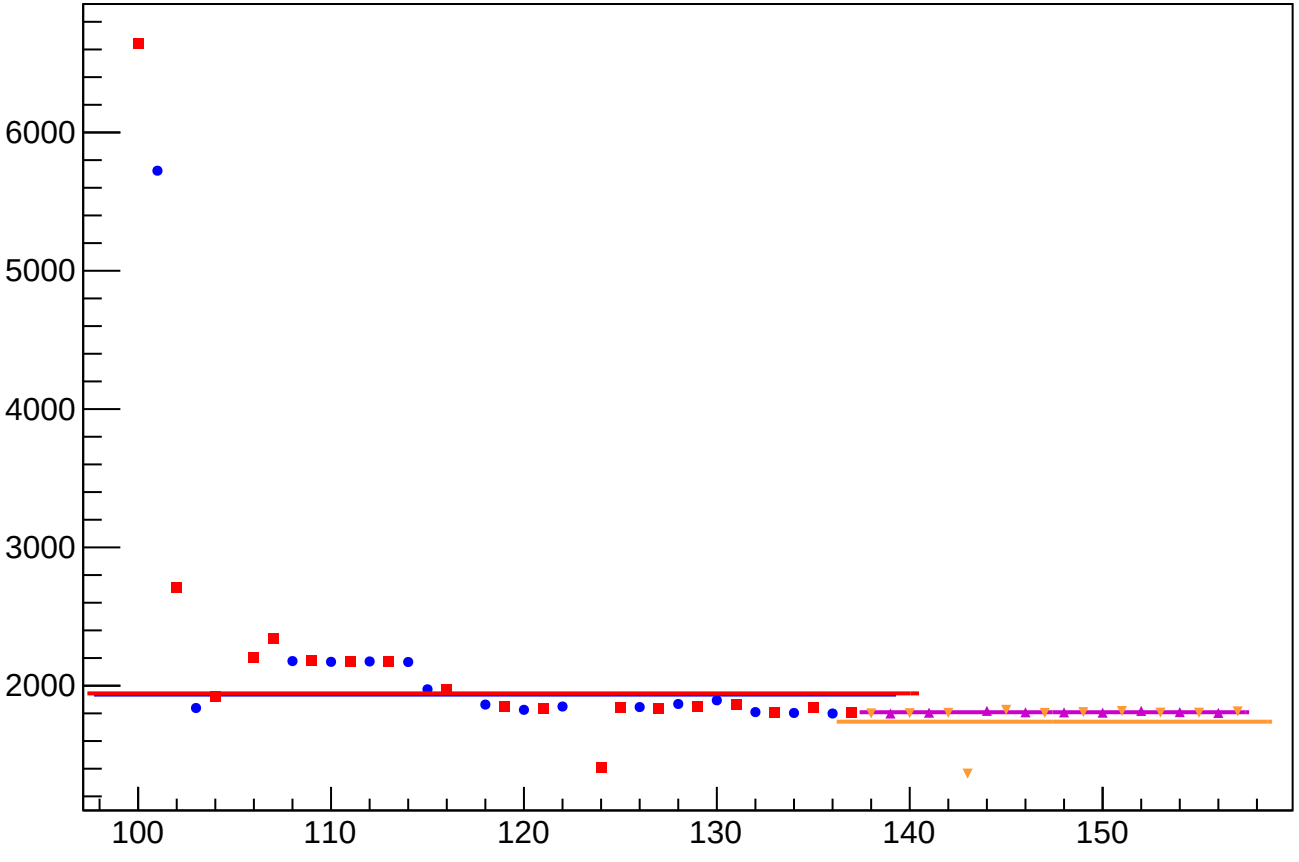
Left In: 1227.826+/-645.687 χ^2/NDF:11.5/8

+ sign -444.669+/-461.581 χ^2/NDF: 26.2/26

All: 205.433+/-333.430 χ^2/NDF: 58.0/54

- sign 914.842+/-482.176 χ^2/NDF: 27.6/27

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1739.910+/-0.419 χ^2/NDF:146641.2/10

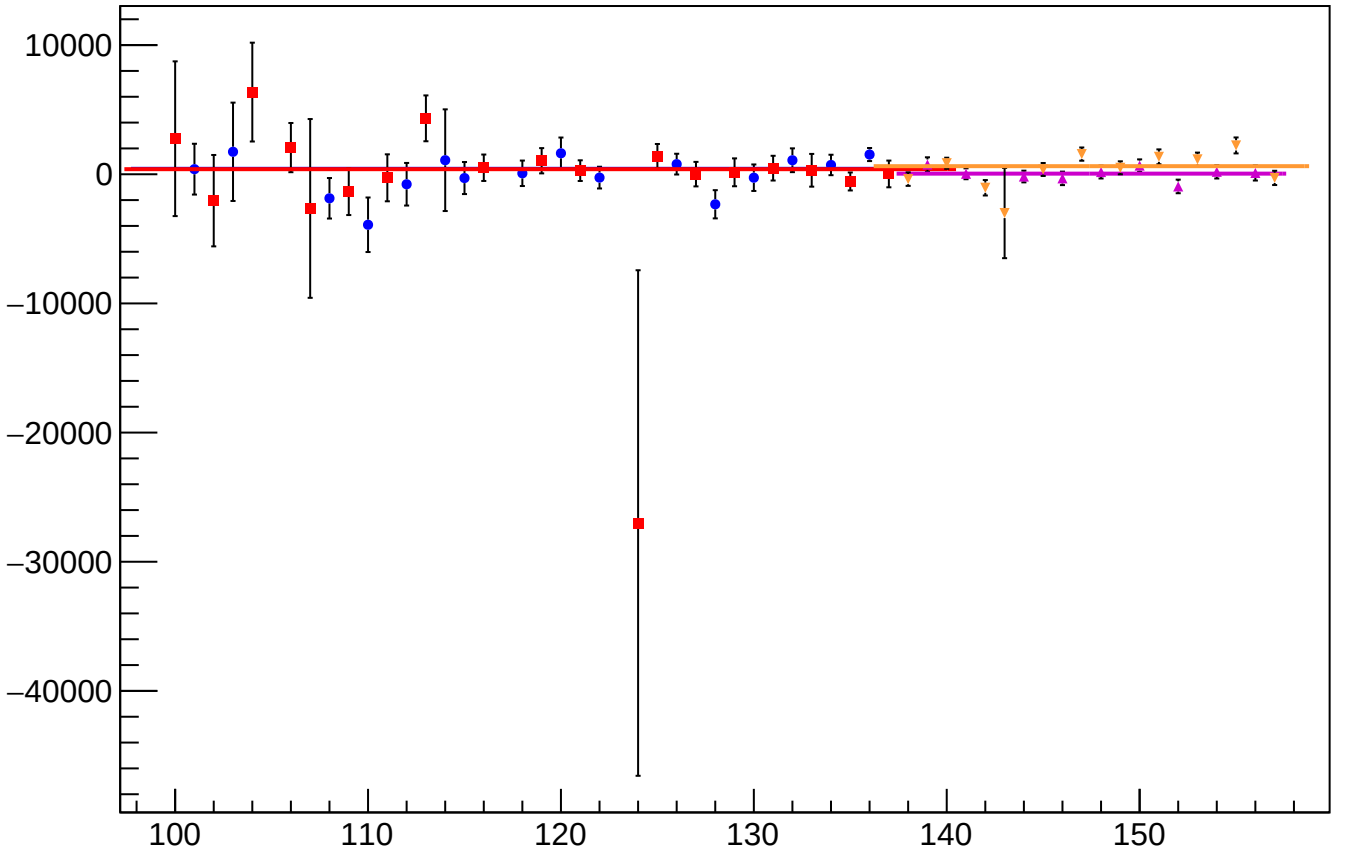
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1808.241+/-0.457 χ^2/NDF:171.1/8

+ sign 1817.049+/-0.326 χ^2/NDF: 872564.2/26

All: 1841.658+/-0.236 χ^2/NDF: 1200242.6/54

- sign 1868.512+/-0.341 χ^2/NDF: 315789.9/27



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 625.681+/-166.013 χ^2/NDF:28.6/10

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

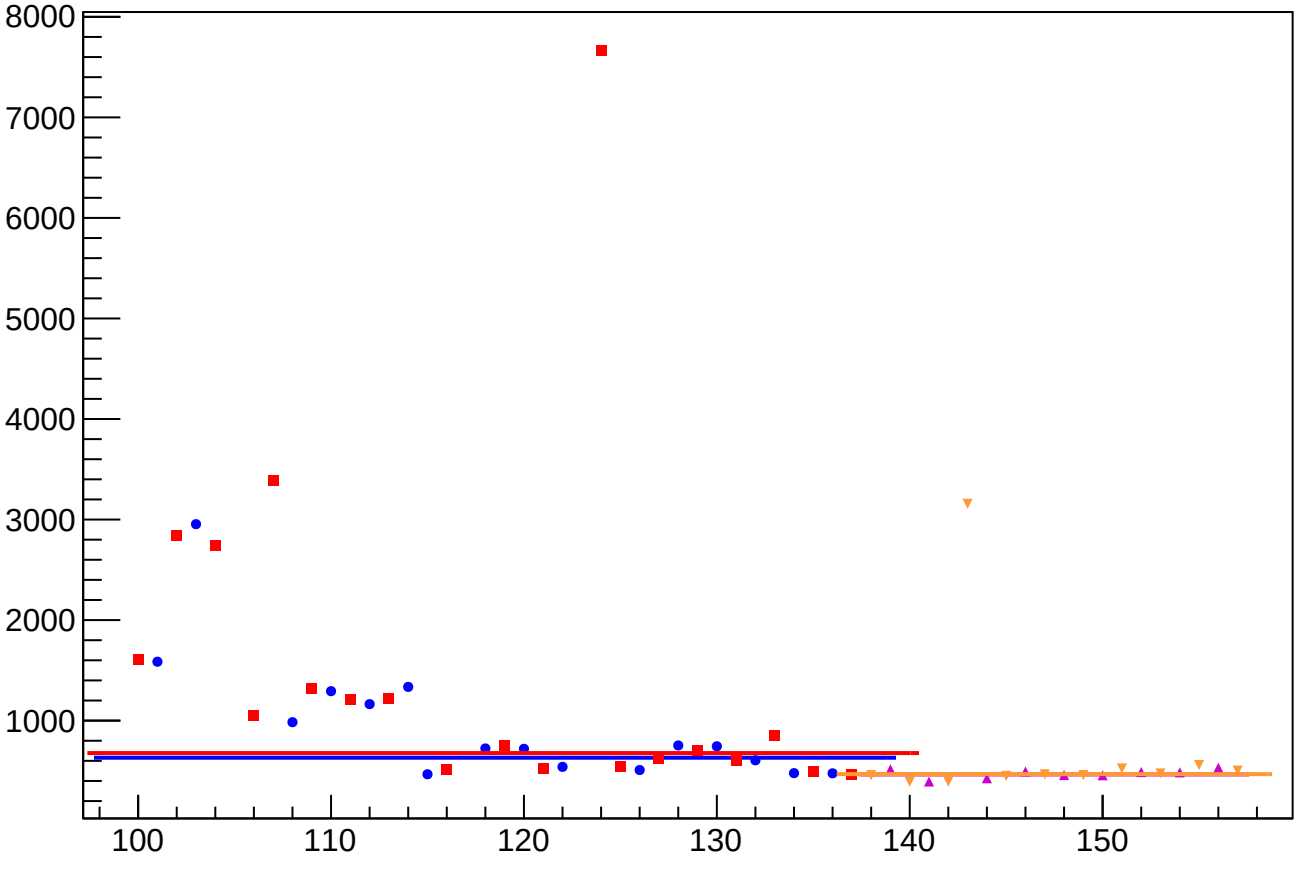
Left In: 48.089+/-167.084 χ^2/NDF:7.7/8

+ sign 565.378+/-139.409 χ^2/NDF: 50.5/26

All: 358.246+/-99.965 χ^2/NDF: 79.7/54

- sign 139.021+/-143.421 χ^2/NDF: 24.6/27

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 467.955+/-0.117 χ^2/NDF:1353080.6/10

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

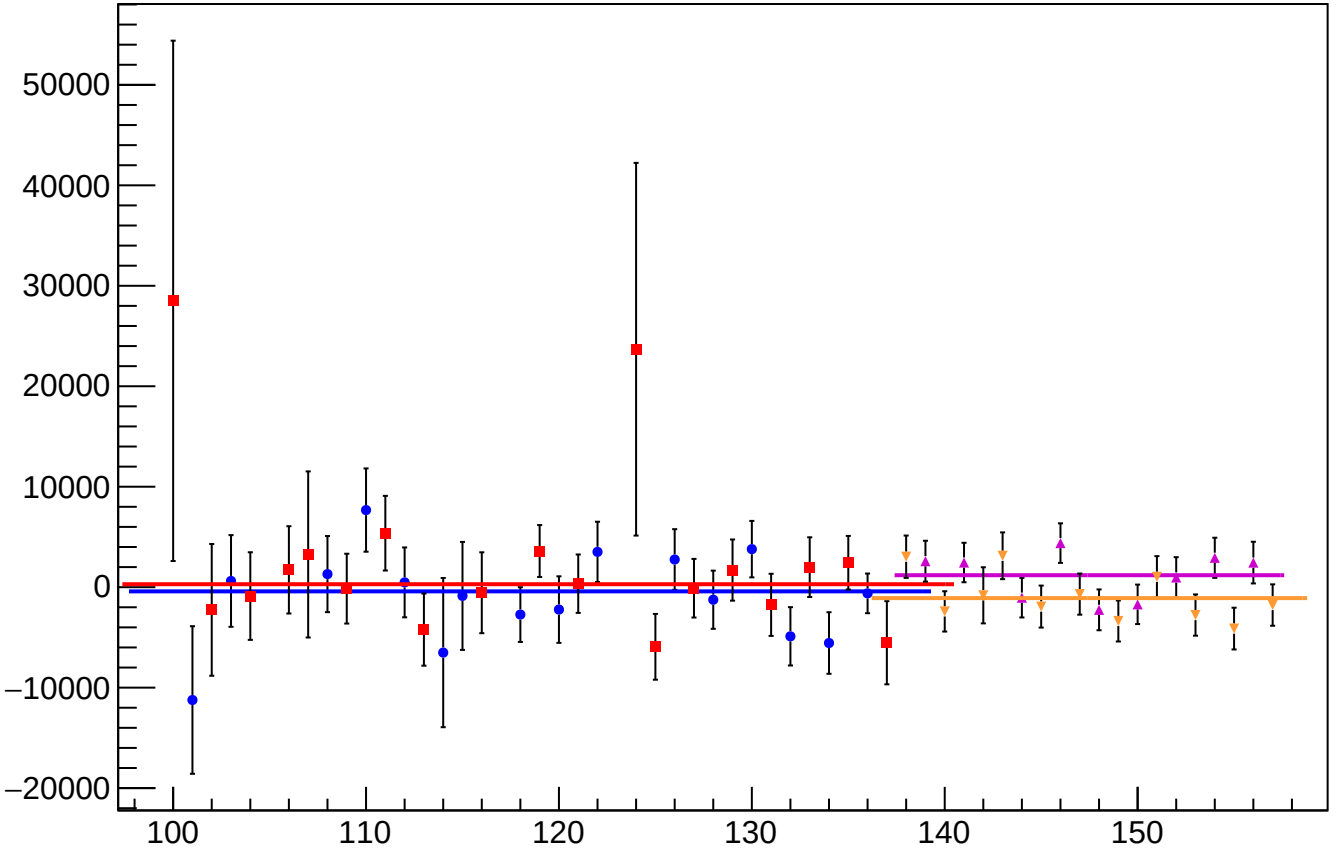
Left In: 464.682+/-0.118 χ^2/NDF:126650.6/8

+ sign 516.066+/-0.099 χ^2/NDF: 4157289.0/26

All: 518.306+/-0.071 χ^2/NDF: 8220045.0/54

- sign 520.677+/-0.101 χ^2/NDF: 4061692.9/27

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1087.166+/-640.962 χ^2/NDF:13.0/10

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

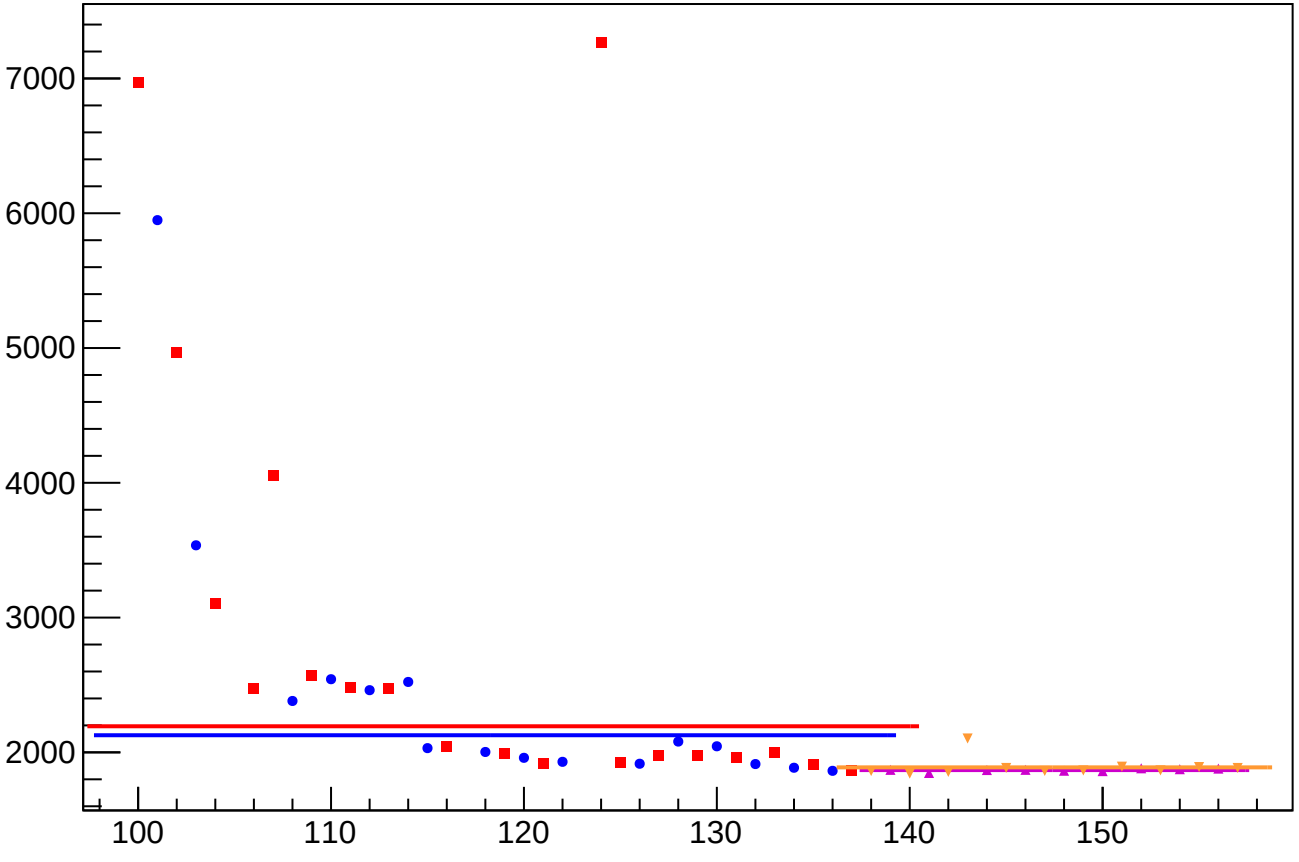
Left In: 1190.963+/-667.228 χ^2/NDF:11.0/8

+ sign -831.459+/-503.906 χ^2/NDF: 31.7/26

All: -22.731+/-362.014 χ^2/NDF: 64.4/54

- sign 839.891+/-520.425 χ^2/NDF: 27.3/27

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1888.657+/-0.453 χ^2/NDF:19477.0/10

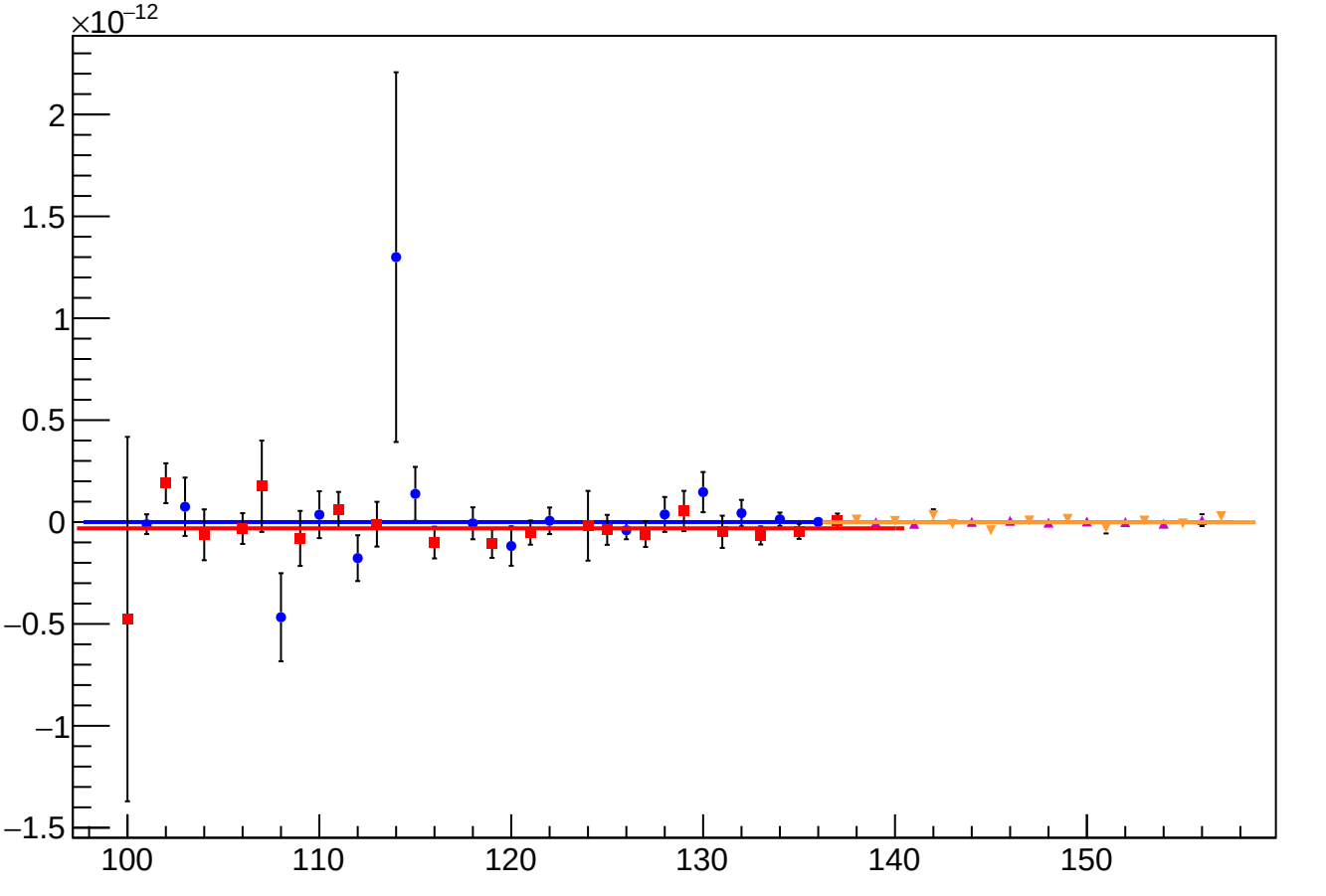
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1868.526+/-0.472 χ^2/NDF:443.8/8

+ sign 1979.704+/-0.356 χ^2/NDF: 1000215.2/26

All: 1987.502+/-0.256 χ^2/NDF: 2130102.6/54

- sign 1995.820+/-0.368 χ^2/NDF: 1128897.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

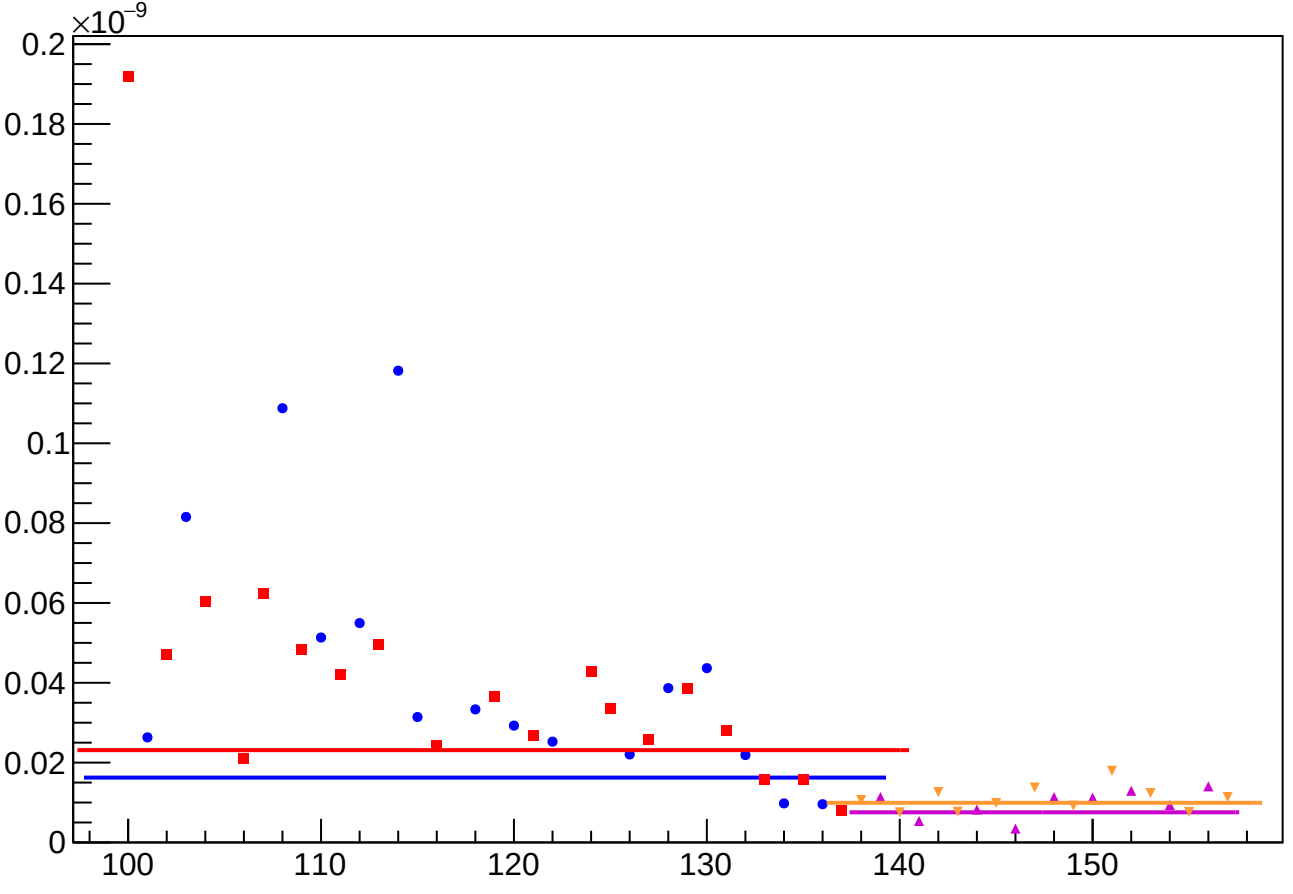
Left In: -0.000+/-0.000 χ^2/NDF:1.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 28.5/26

All: -0.000+/-0.000 χ^2/NDF: 45.7/54

- sign -0.000+/-0.000 χ^2/NDF: 17.1/27

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:413845.5/10

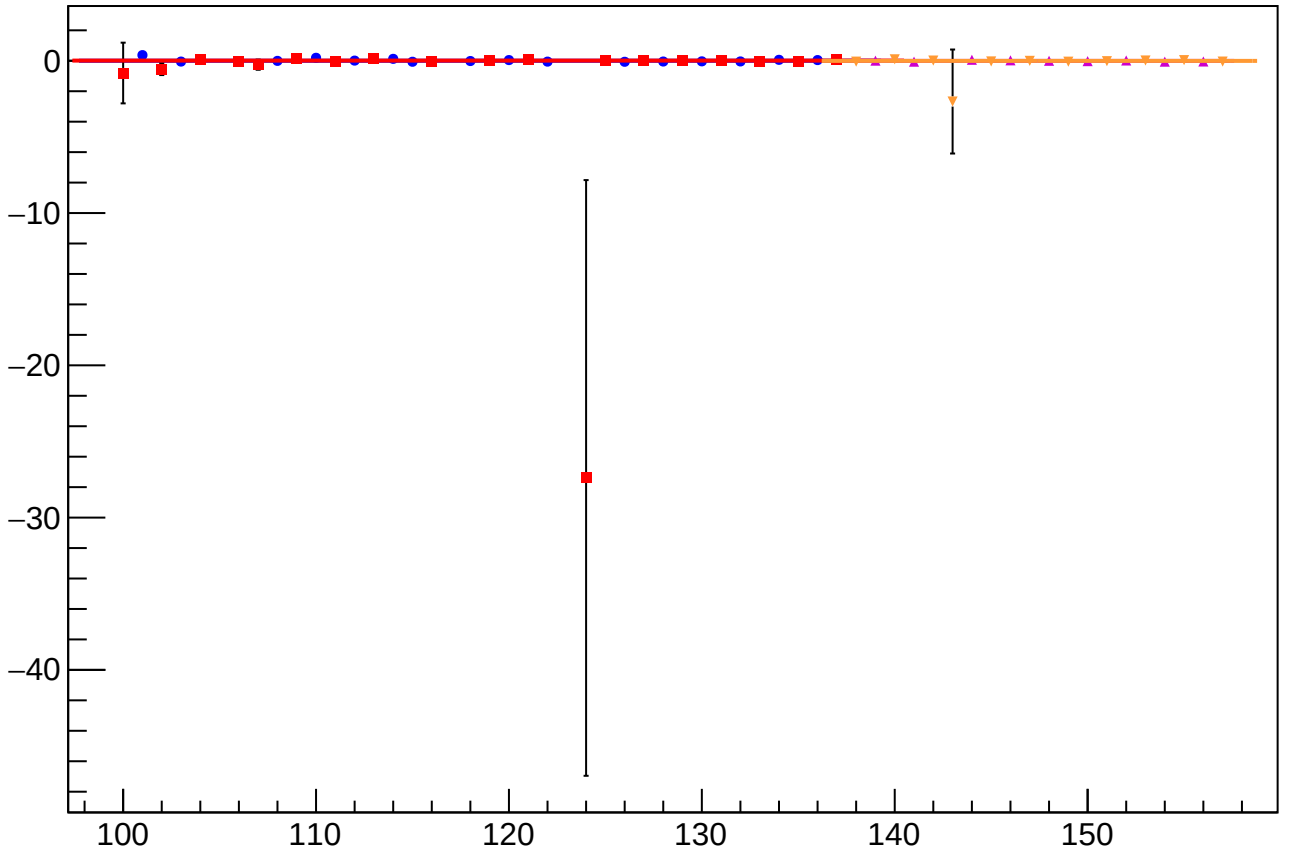
Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:871522.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 3161986.0/26

All: 0.000+/-0.000 χ^2/NDF: 7385290.1/54

- sign 0.000+/-0.000 χ^2/NDF: 4055885.8/27



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

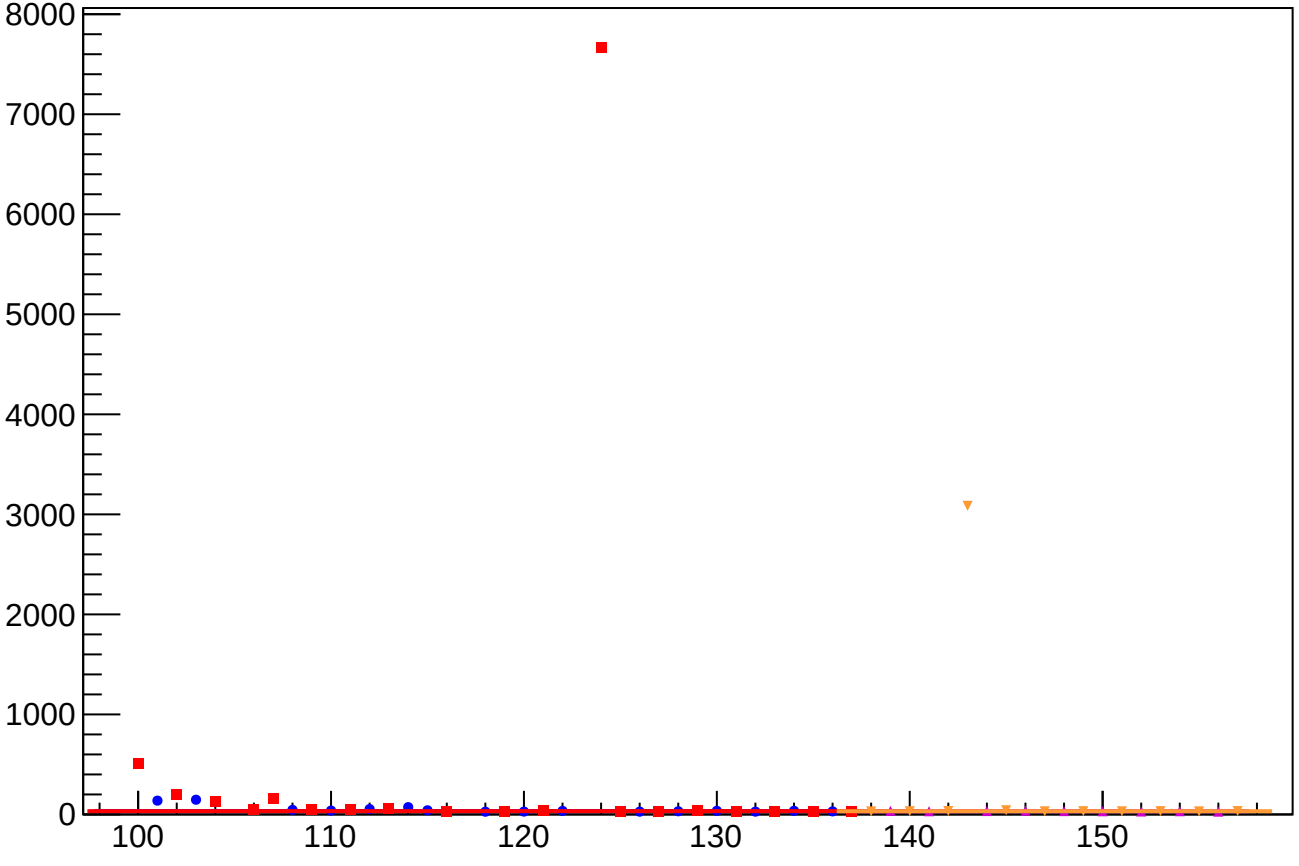
Left In: -0.010+/-0.013 χ^2/NDF:10.2/8

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: -0.002+/-0.007 χ^2/NDF: 62.8/54

- sign -0.001+/-0.010 χ^2/NDF: 25.6/27

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

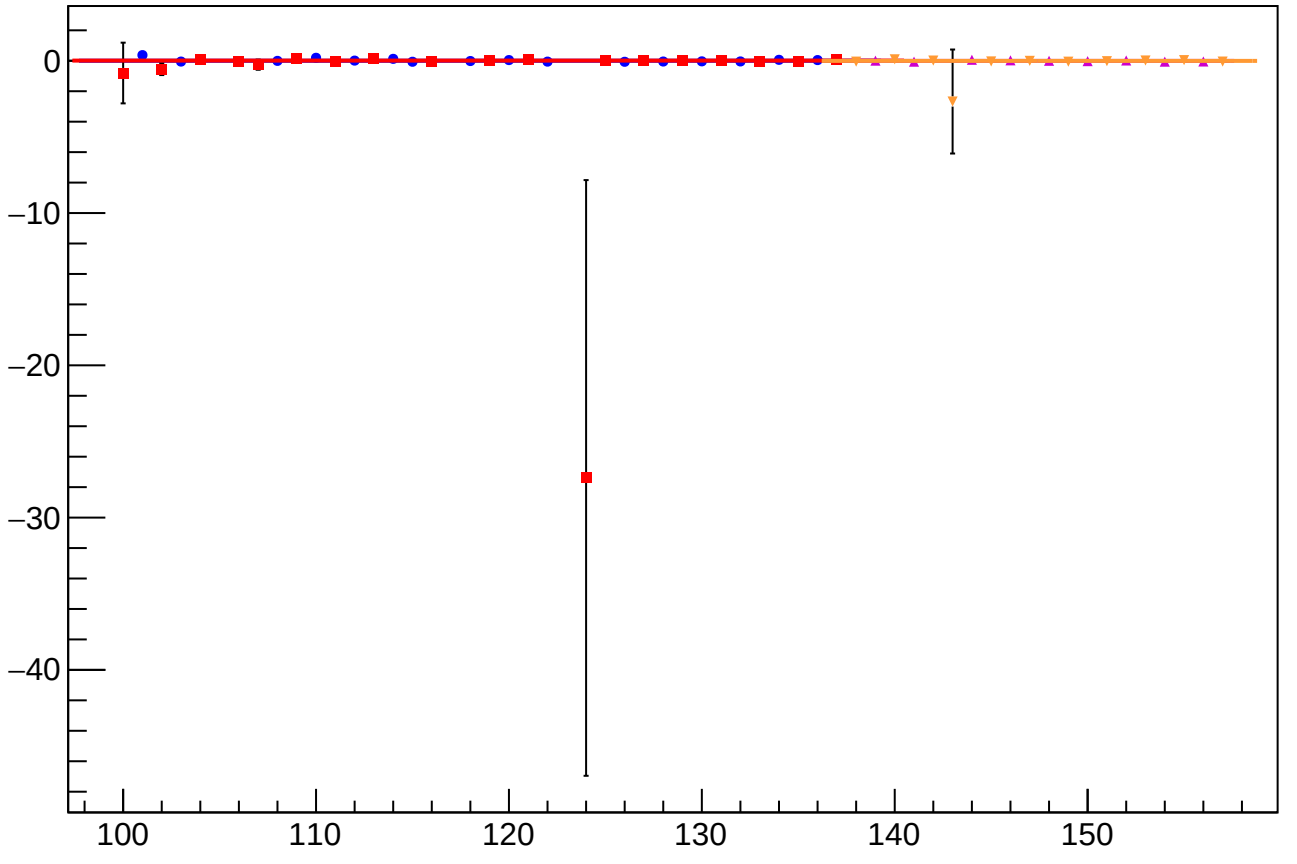
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.609+/-0.009 χ^2/NDF:84658.6/8

+ sign 33.155+/-0.007 χ^2/NDF: 3426871.3/26

All: 32.983+/-0.005 χ^2/NDF: 5589151.3/54

- sign 32.808+/-0.007 χ^2/NDF: 2160968.4/27



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

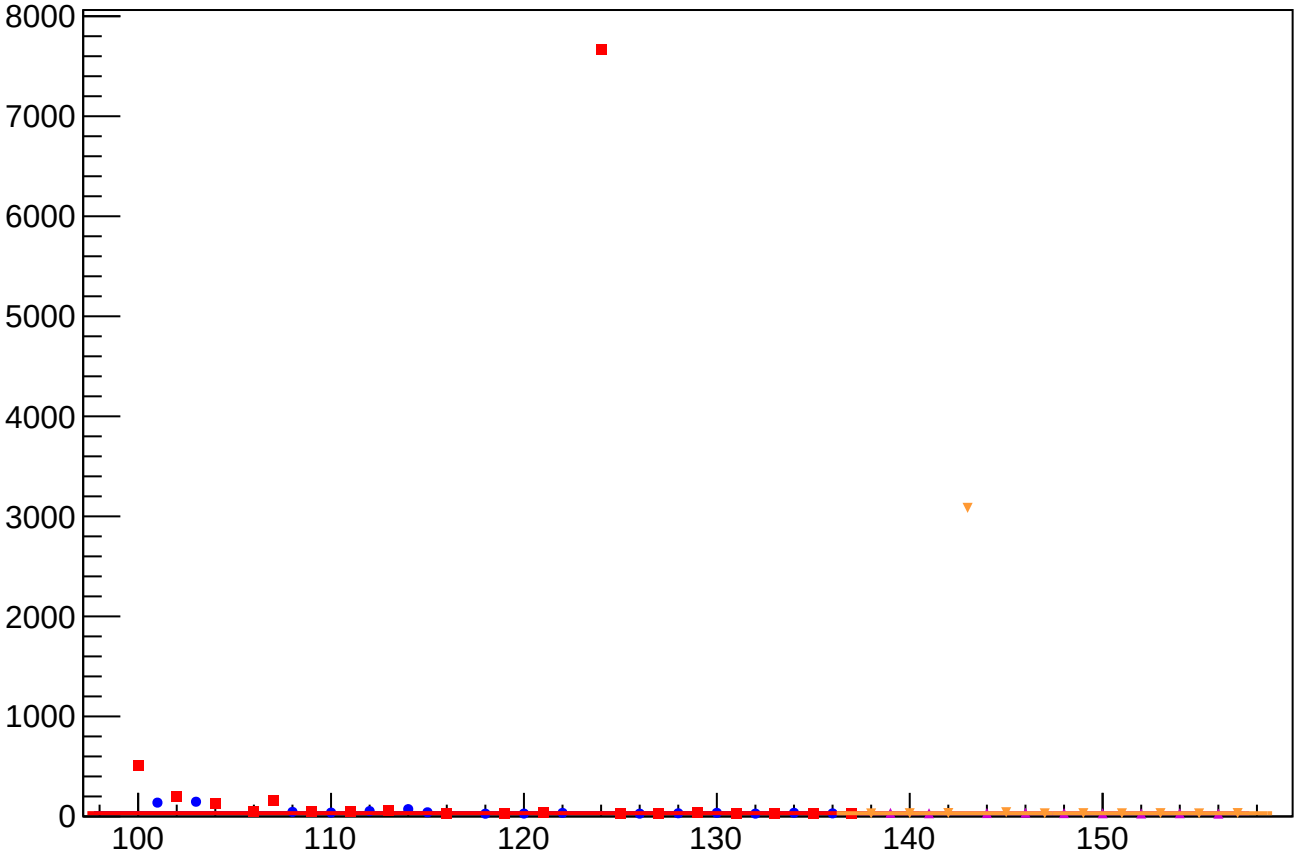
Left In: -0.010+/-0.013 χ^2/NDF:10.2/8

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: -0.002+/-0.007 χ^2/NDF: 62.8/54

- sign -0.001+/-0.010 χ^2/NDF: 25.6/27

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696814.4/10

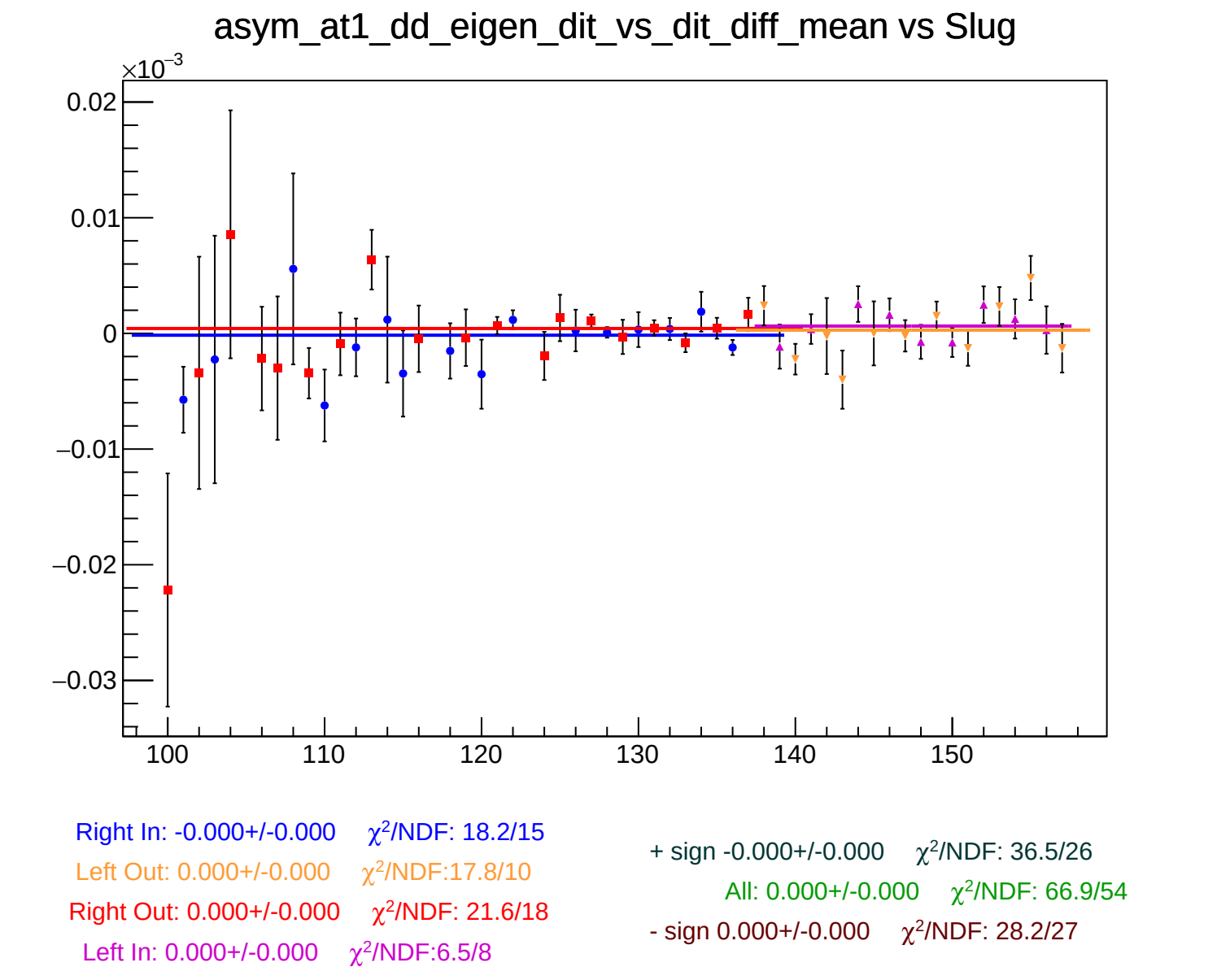
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

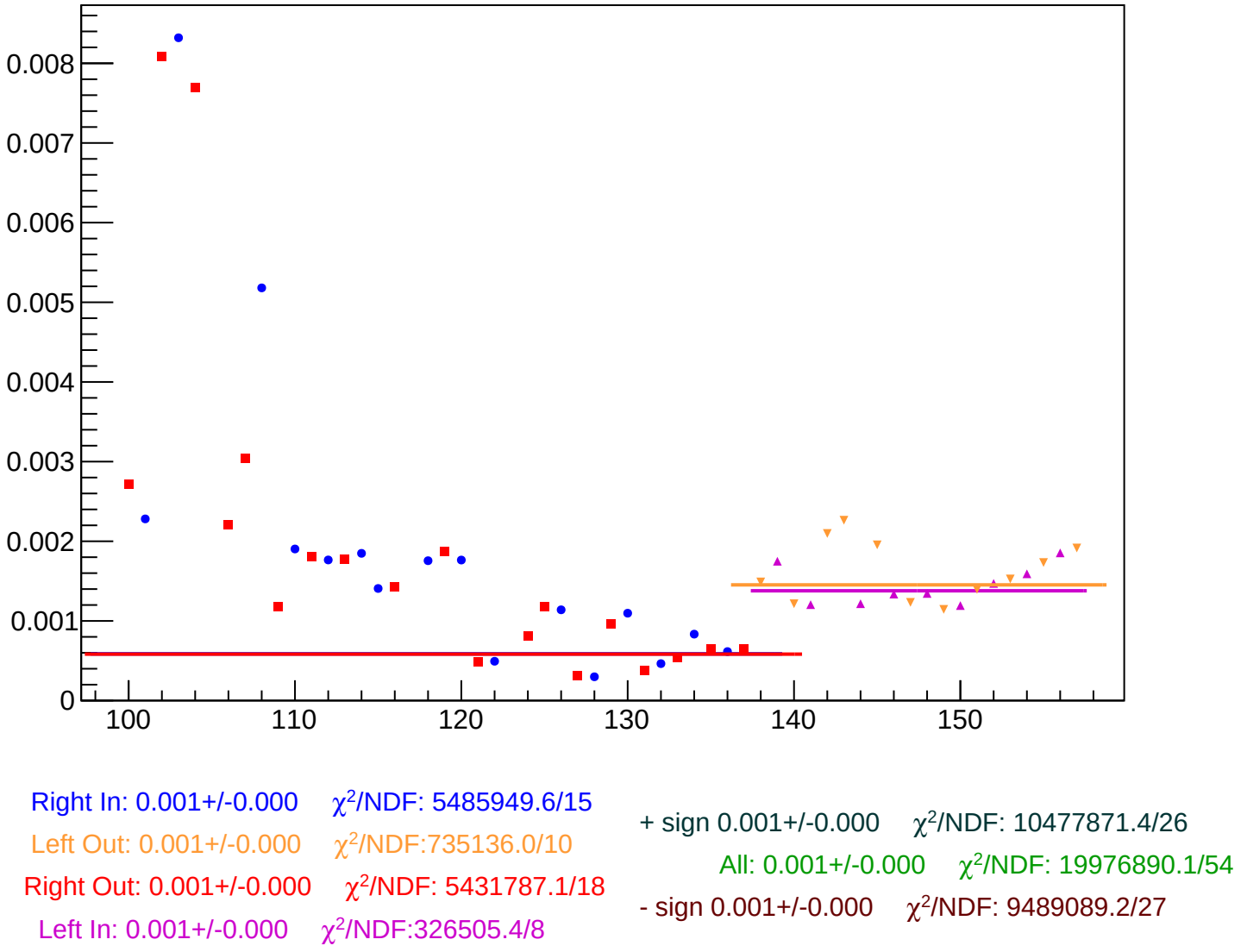
Left In: 32.609+/-0.009 χ^2/NDF:84658.6/8

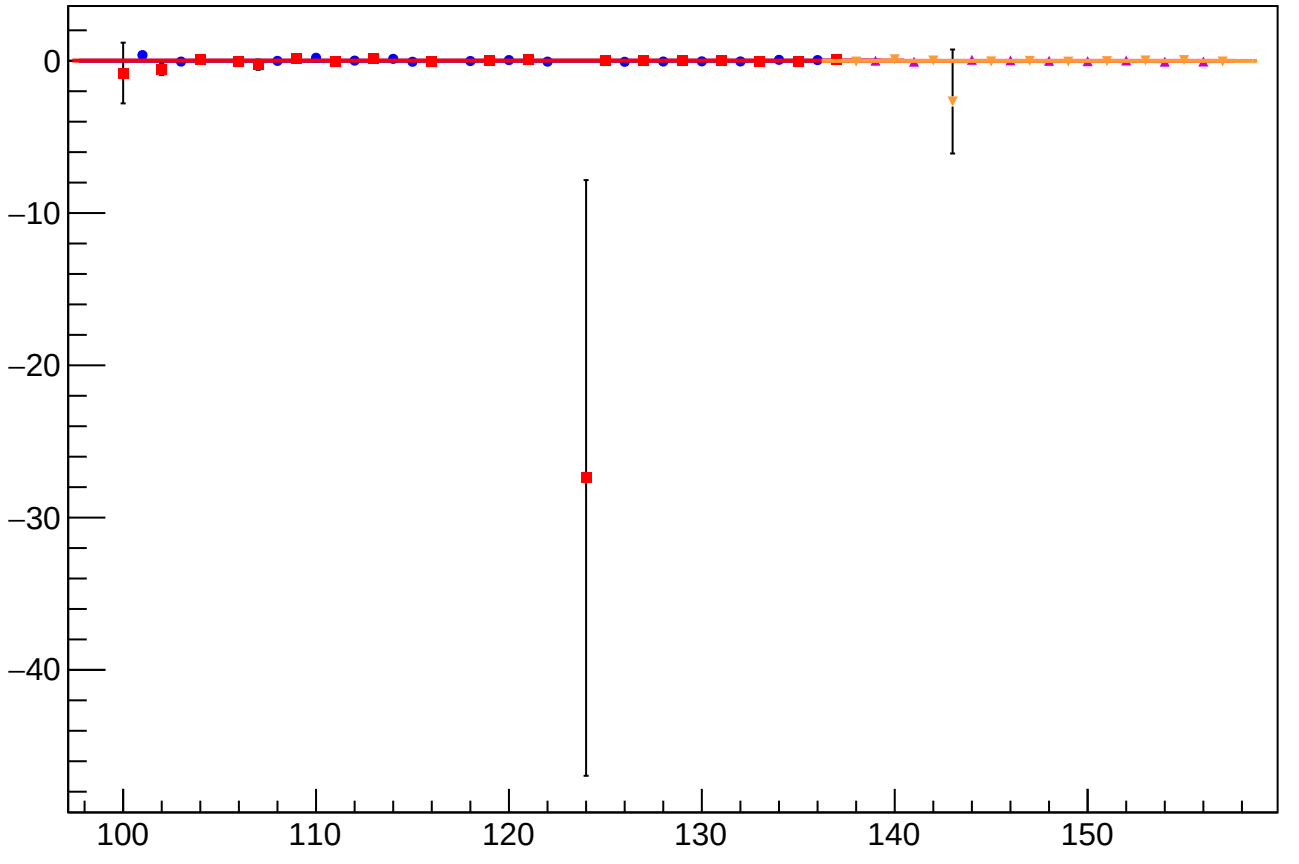
+ sign 33.155+/-0.007 χ^2/NDF: 3426871.3/26

All: 32.983+/-0.005 χ^2/NDF: 5589151.3/54

- sign 32.808+/-0.007 χ^2/NDF: 2160968.4/27


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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.2/15
Left Out: 0.000+/-0.000 χ²/NDF:17.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:6.5/8
+ sign -0.000+/-0.000 χ²/NDF: 36.5/26
All: 0.000+/-0.000 χ²/NDF: 66.9/54
- sign 0.000+/-0.000 χ²/NDF: 28.2/27


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
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 5485949.6/15
Left Out: 0.001+/-0.000 χ²/NDF:735136.0/10
Right Out: 0.001+/-0.000 χ²/NDF: 5431787.1/18
Left In: 0.001+/-0.000 χ²/NDF:326505.4/8
+ sign 0.001+/-0.000 χ²/NDF: 10477871.4/26
All: 0.001+/-0.000 χ²/NDF: 19976890.1/54
- sign 0.001+/-0.000 χ²/NDF: 9489089.2/27



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

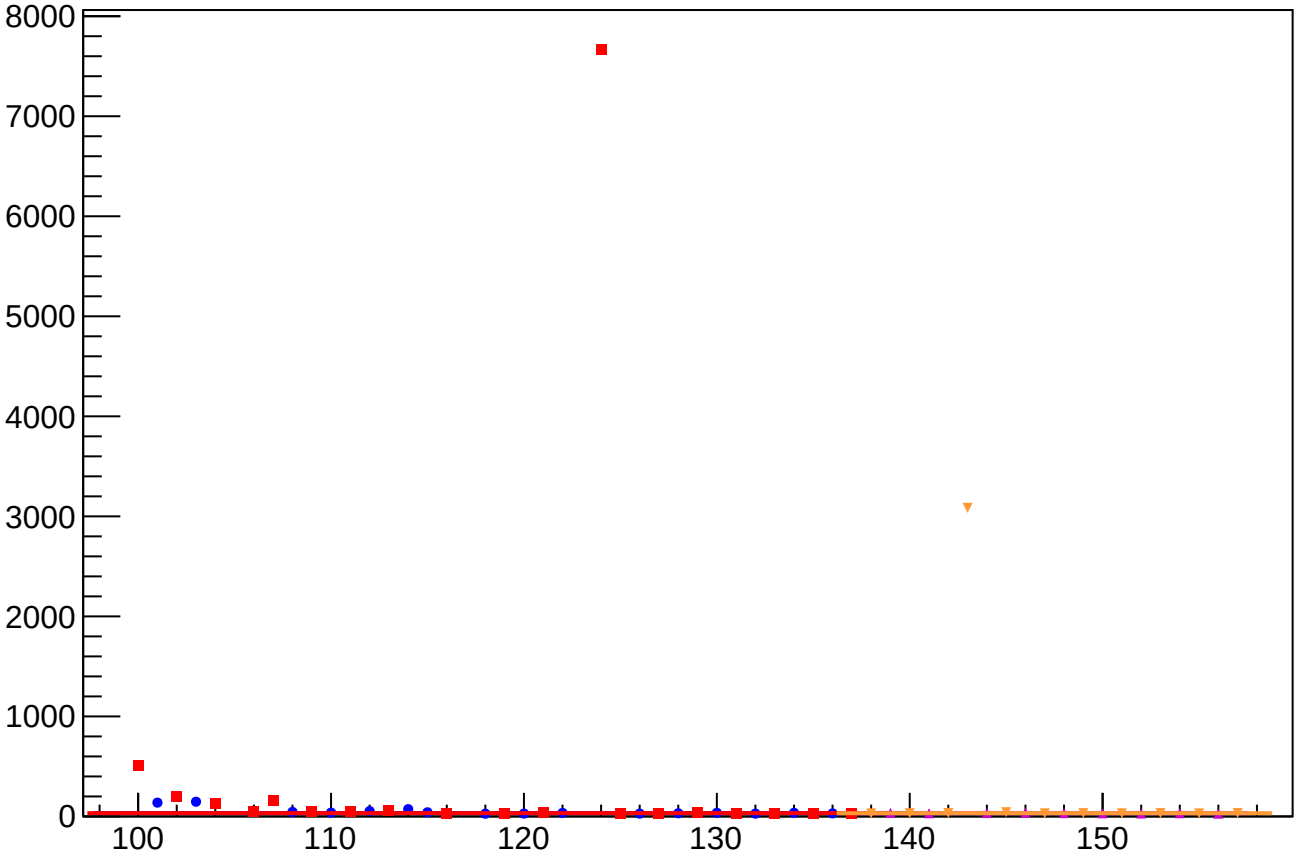
Left In: -0.010+/-0.013 χ^2/NDF:10.2/8

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: -0.002+/-0.007 χ^2/NDF: 62.8/54

- sign -0.001+/-0.010 χ^2/NDF: 25.6/27

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

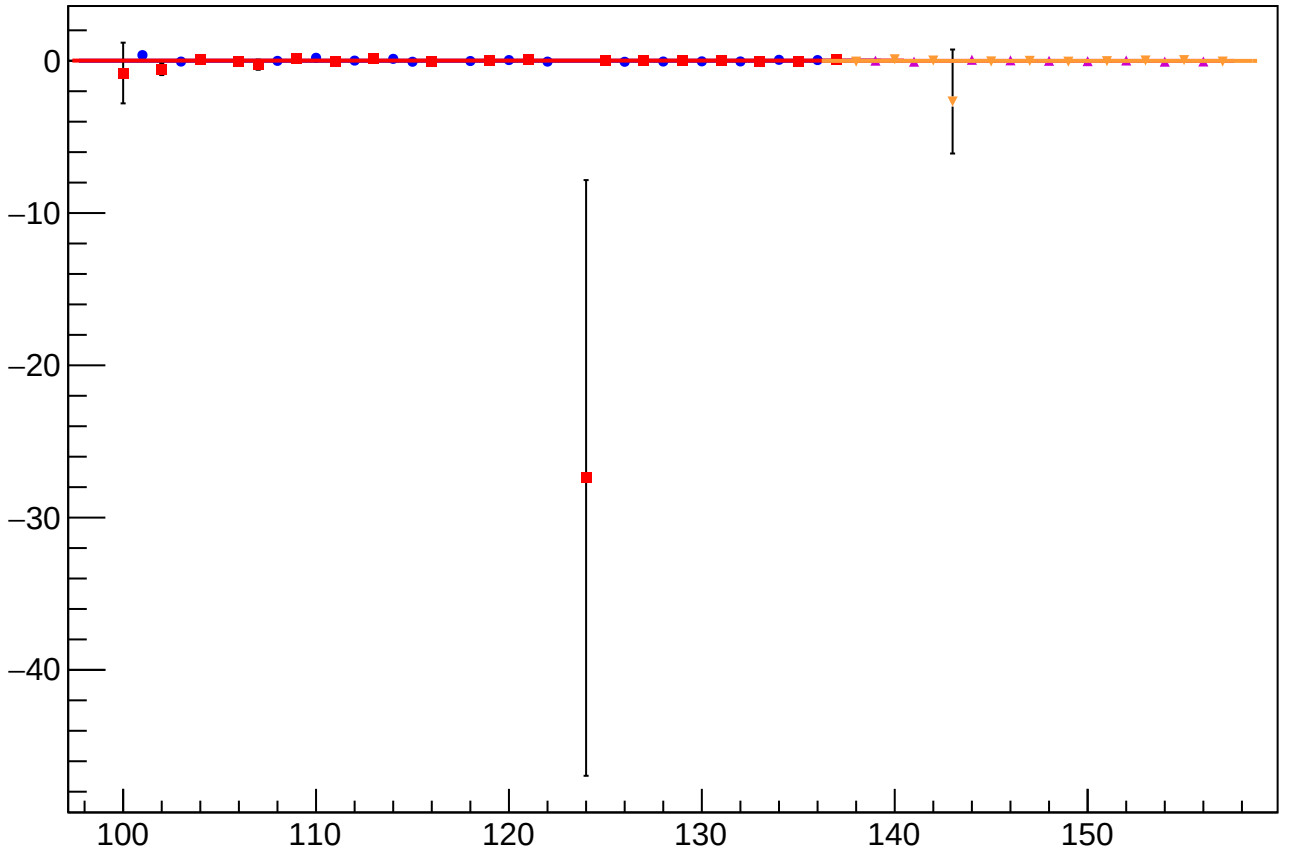
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.609+/-0.009 χ^2/NDF:84650.3/8

+ sign 33.155+/-0.007 χ^2/NDF: 3426865.7/26

All: 32.983+/-0.005 χ^2/NDF: 5589117.0/54

- sign 32.808+/-0.007 χ^2/NDF: 2160940.2/27



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.9/10

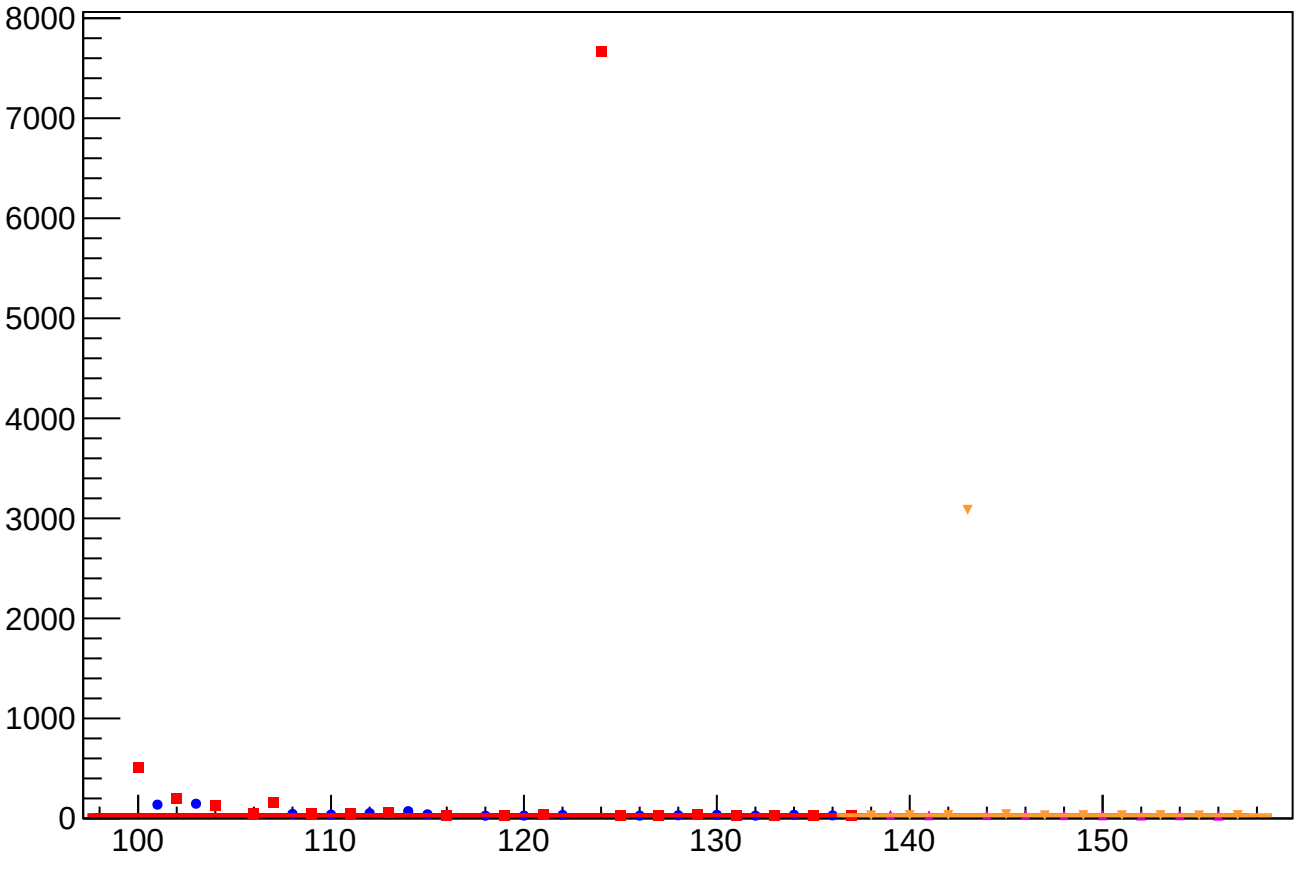
Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.010+/-0.013 χ^2/NDF:10.2/8

+ sign -0.004+/-0.010 χ^2/NDF: 37.1/26

All: -0.002+/-0.007 χ^2/NDF: 62.8/54

- sign -0.001+/-0.010 χ^2/NDF: 25.6/27



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.509+/-0.009 χ^2/NDF:1696818.4/10

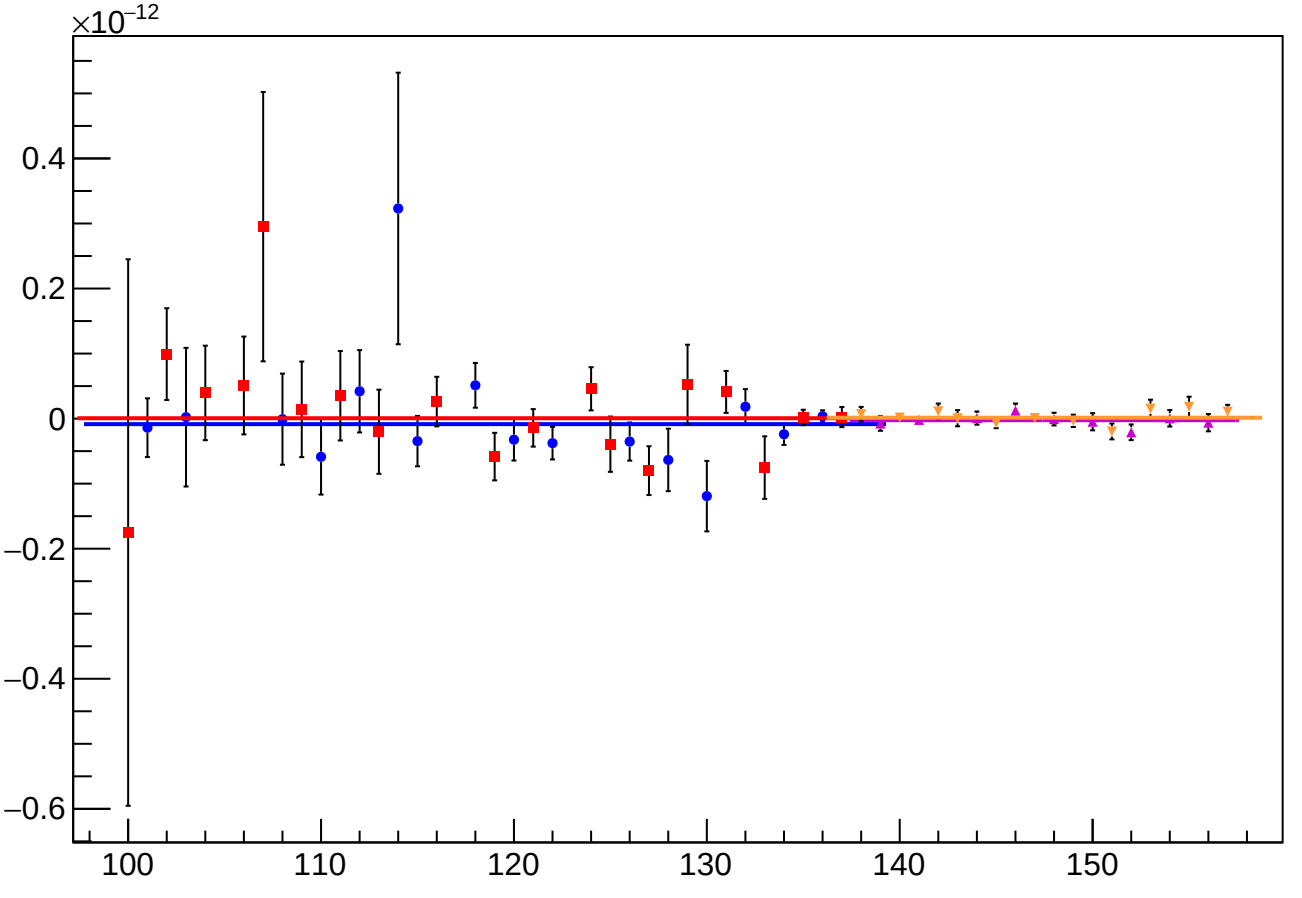
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.609+/-0.009 χ^2/NDF:84650.3/8

+ sign 33.155+/-0.007 χ^2/NDF: 3426865.7/26

All: 32.983+/-0.005 χ^2/NDF: 5589117.0/54

- sign 32.808+/-0.007 χ^2/NDF: 2160940.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/10

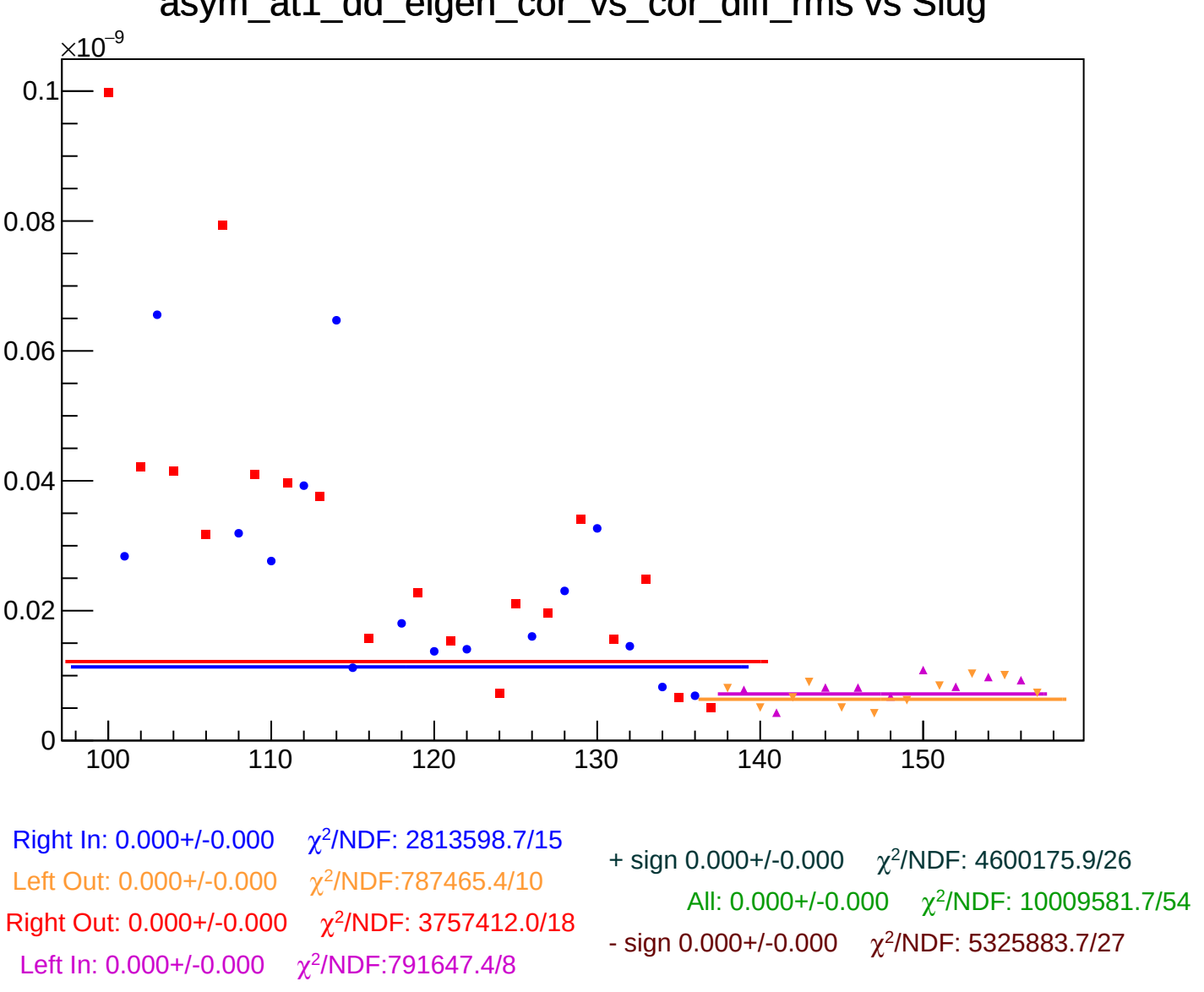
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/8

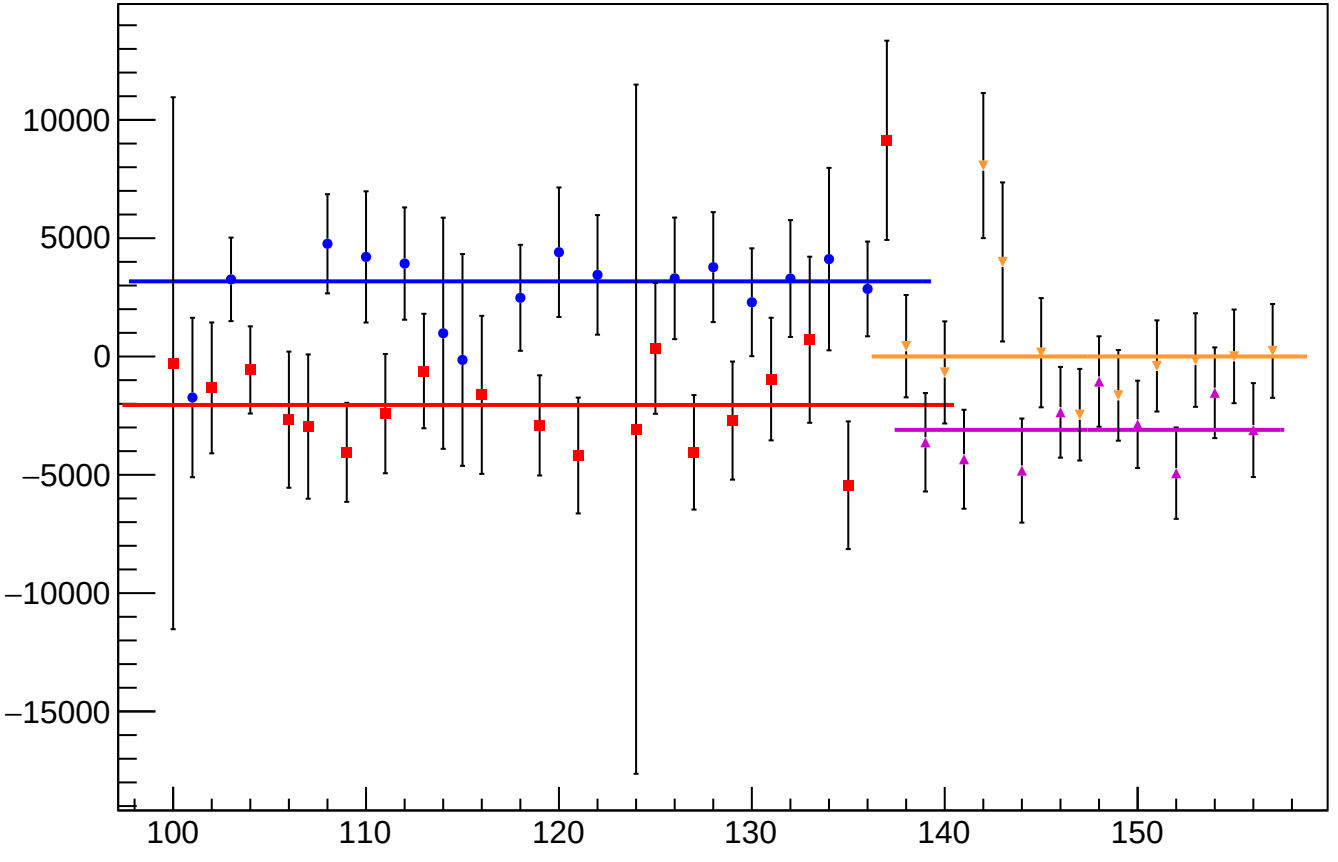
+ sign -0.000+/-0.000 χ^2/NDF: 29.3/26

All: -0.000+/-0.000 χ^2/NDF: 55.0/54

- sign -0.000+/-0.000 χ^2/NDF: 25.6/27


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:787465.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:791647.4/8
+ sign 0.000+/-0.000 χ²/NDF: 4600175.9/26
All: 0.000+/-0.000 χ²/NDF: 10009581.7/54
- sign 0.000+/-0.000 χ²/NDF: 5325883.7/27

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.093+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

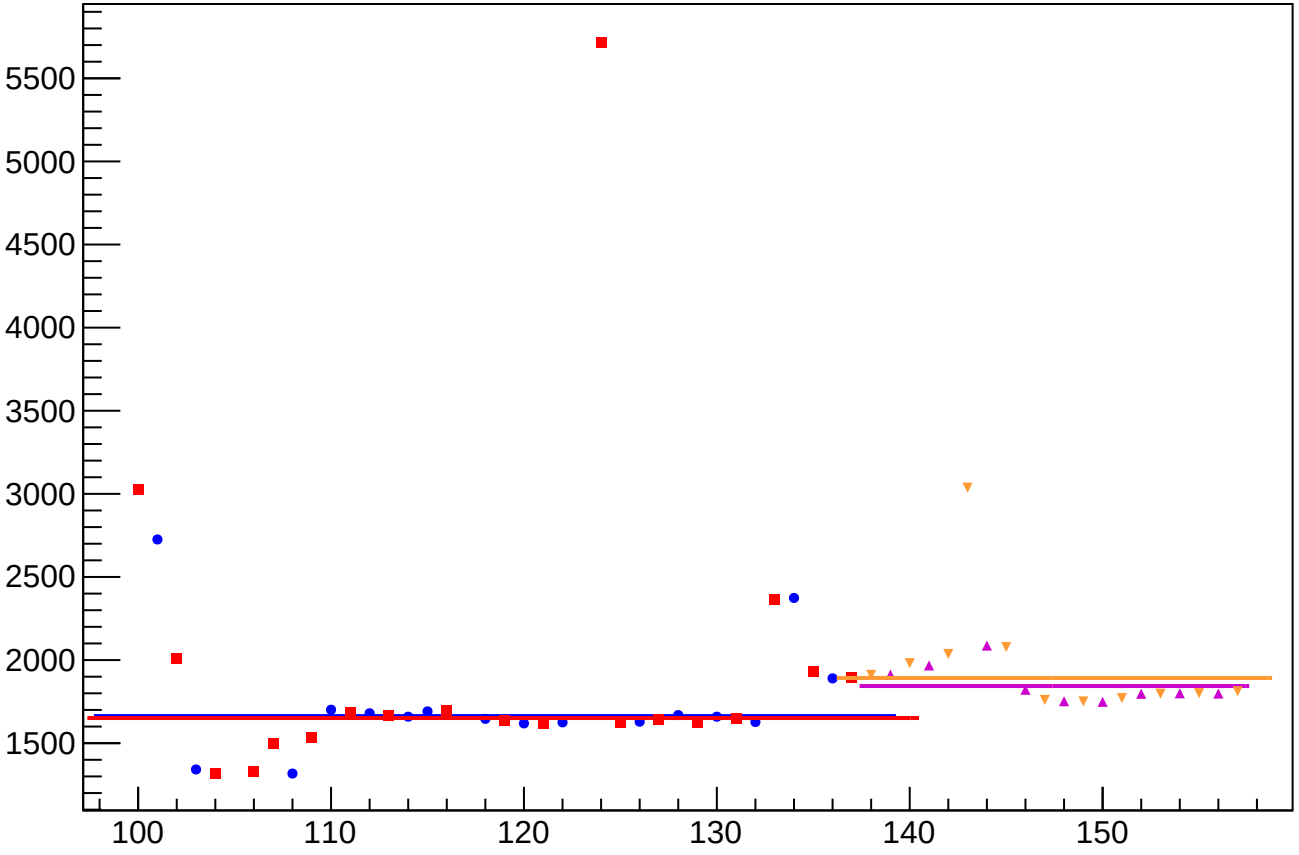
Left In: -3099.420+/-659.491 χ^2/NDF:3.9/8

+ sign 1636.771+/-450.780 χ^2/NDF: 27.6/26

All: -445.697+/-319.286 χ^2/NDF: 89.7/54

- sign -2542.237+/-452.301 χ^2/NDF: 19.3/27

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.4/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

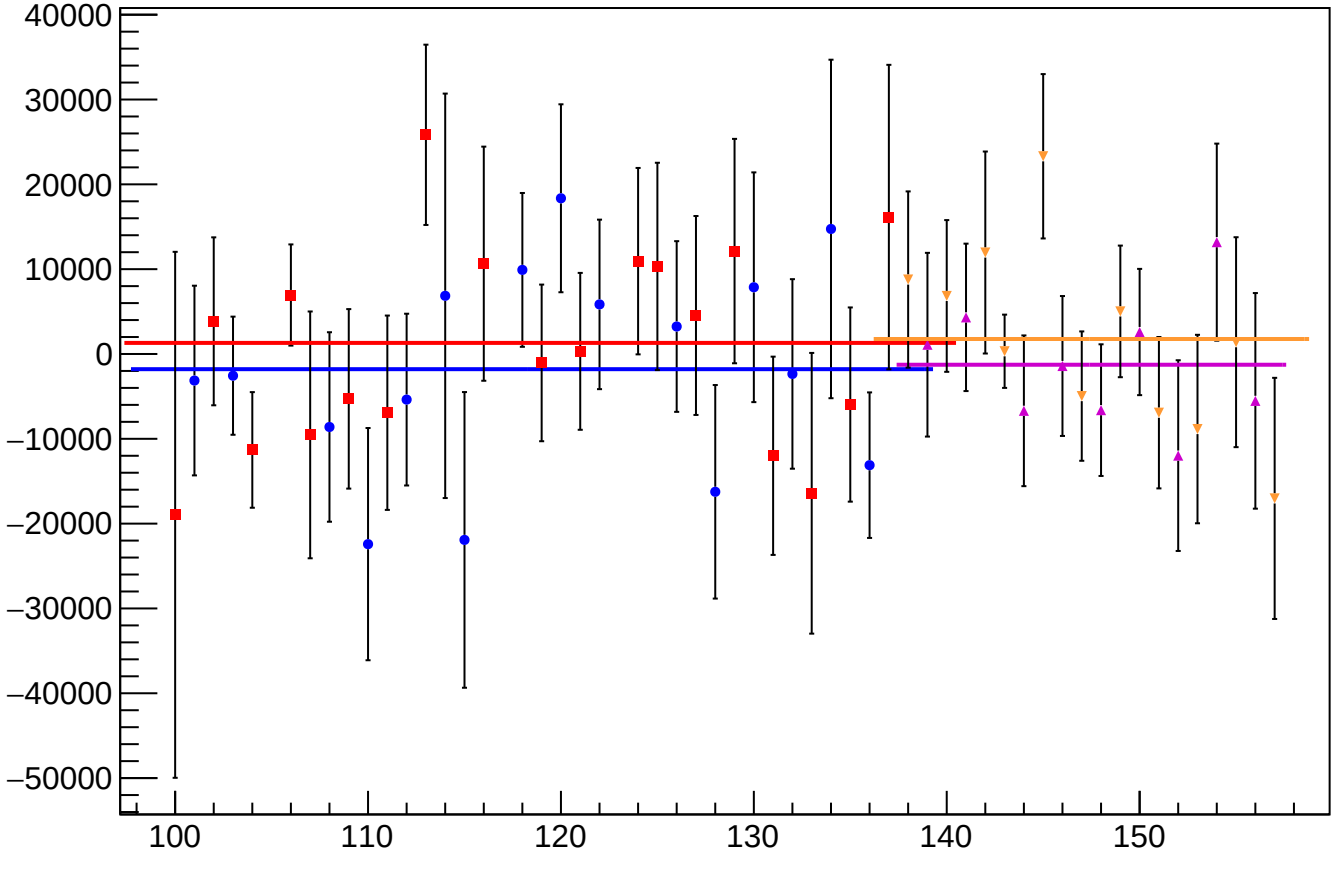
Left In: 1843.826+/-0.466 χ^2/NDF:47044.4/8

+ sign 1774.140+/-0.319 χ^2/NDF: 838371.8/26

All: 1758.059+/-0.226 χ^2/NDF: 1412743.2/54

- sign 1741.869+/-0.320 χ^2/NDF: 569263.6/27

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 1766.564+/-2507.552 χ^2/NDF:11.1/10

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

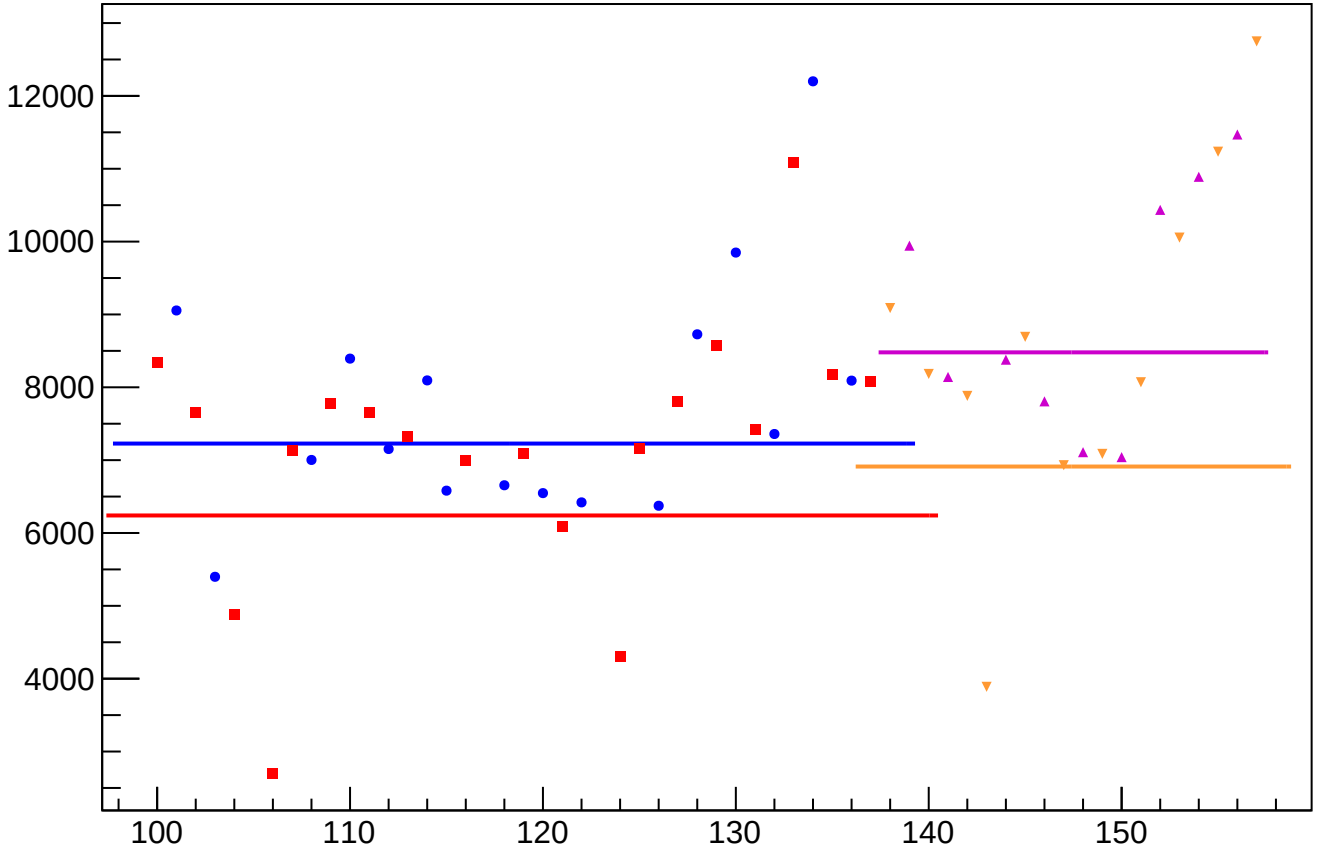
Left In: -1268.220+/-3081.572 χ^2/NDF:4.1/8

+ sign 147.375+/-1850.947 χ^2/NDF: 26.4/26

All: 230.663+/-1328.578 χ^2/NDF: 48.7/54

- sign 319.177+/-1908.145 χ^2/NDF: 22.3/27

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6912.292+/-1.773 χ^2/NDF:1965234.9/10

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

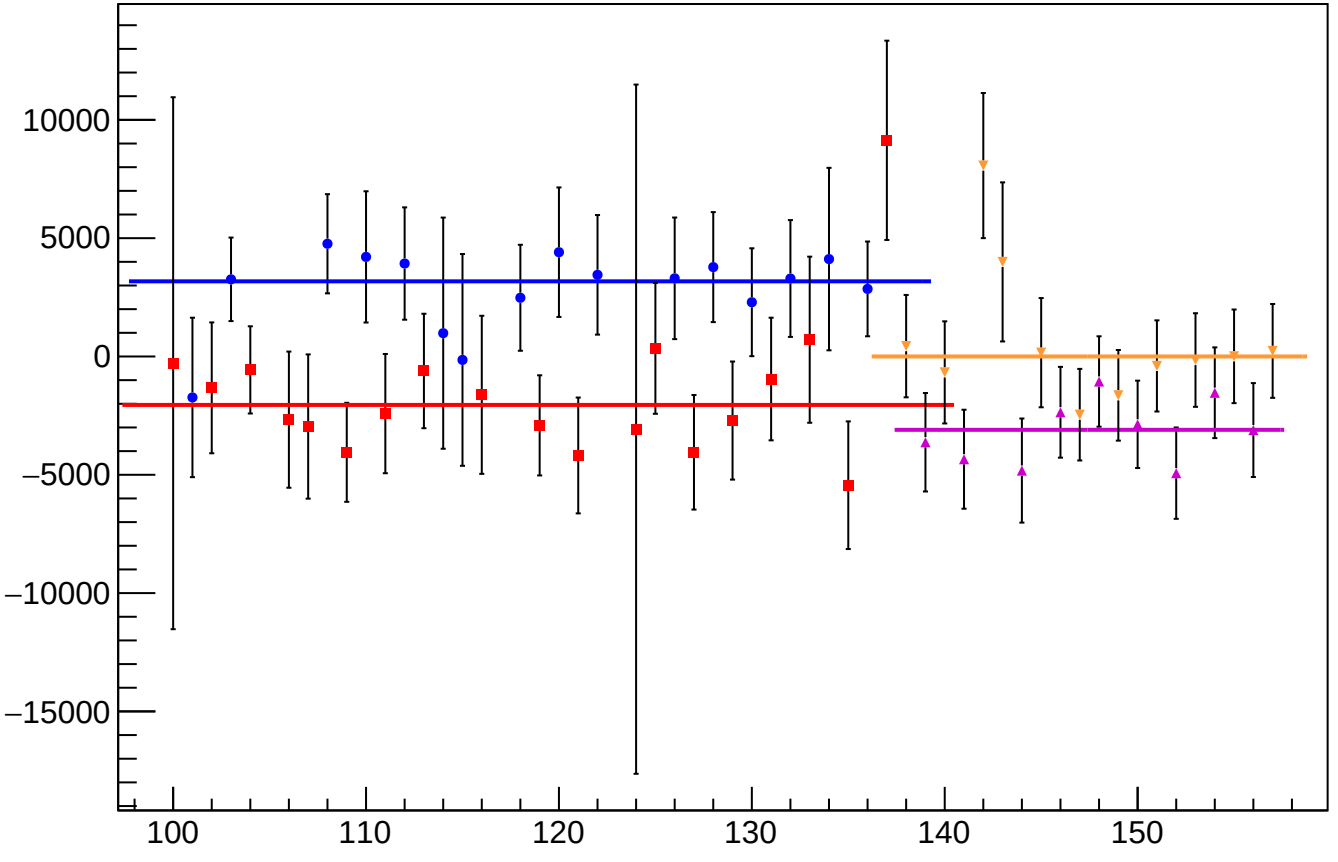
Left In: 8479.619+/-2.179 χ^2/NDF:447521.4/8

+ sign 7055.796+/-1.309 χ^2/NDF: 2482887.6/26

All: 7076.772+/-0.939 χ^2/NDF: 4981052.1/54

- sign 7099.064+/-1.349 χ^2/NDF: 2497634.7/27

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

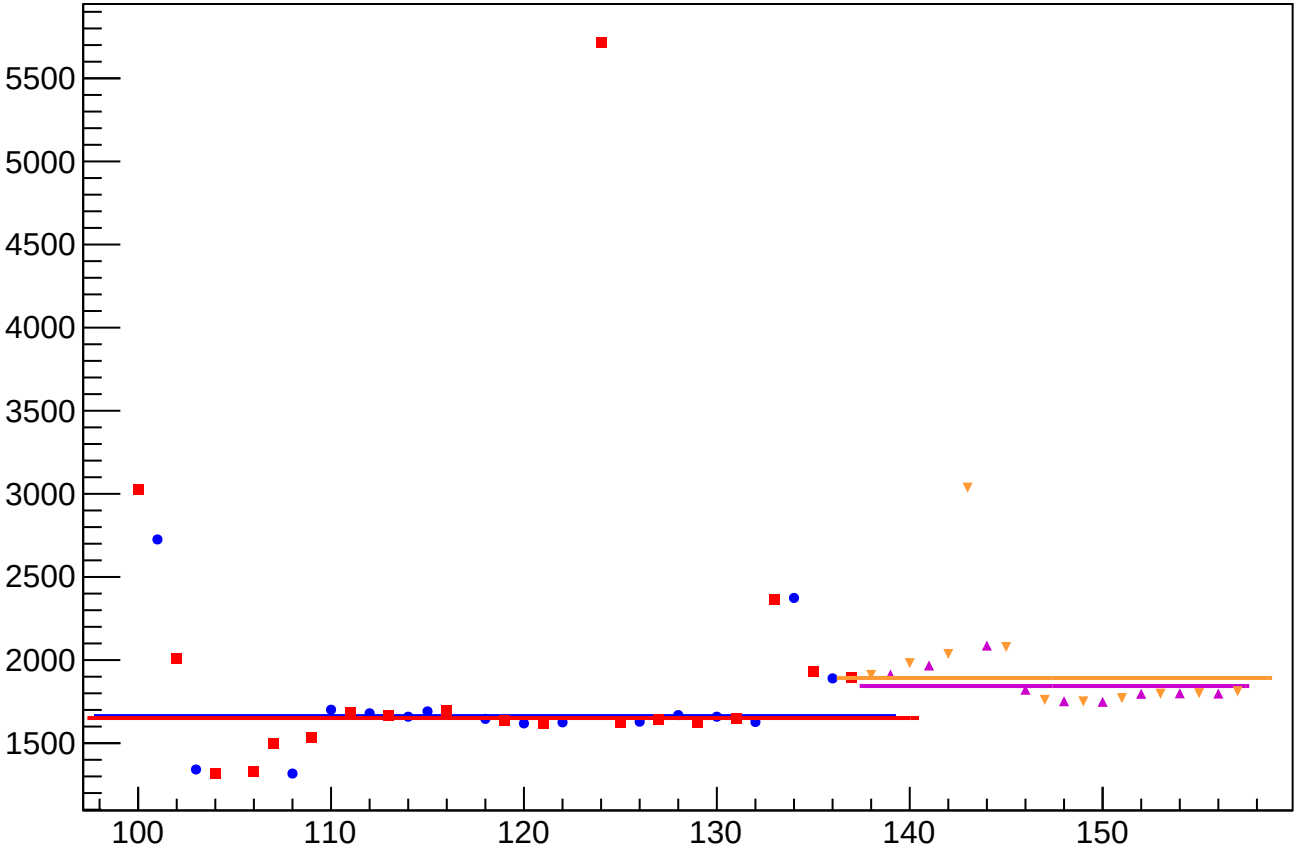
Left In: -3099.569+/-659.491 χ^2/NDF:3.9/8

+ sign 1636.807+/-450.780 χ^2/NDF: 27.6/26

All: -445.662+/-319.286 χ^2/NDF: 89.7/54

- sign -2542.204+/-452.301 χ^2/NDF: 19.3/27

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

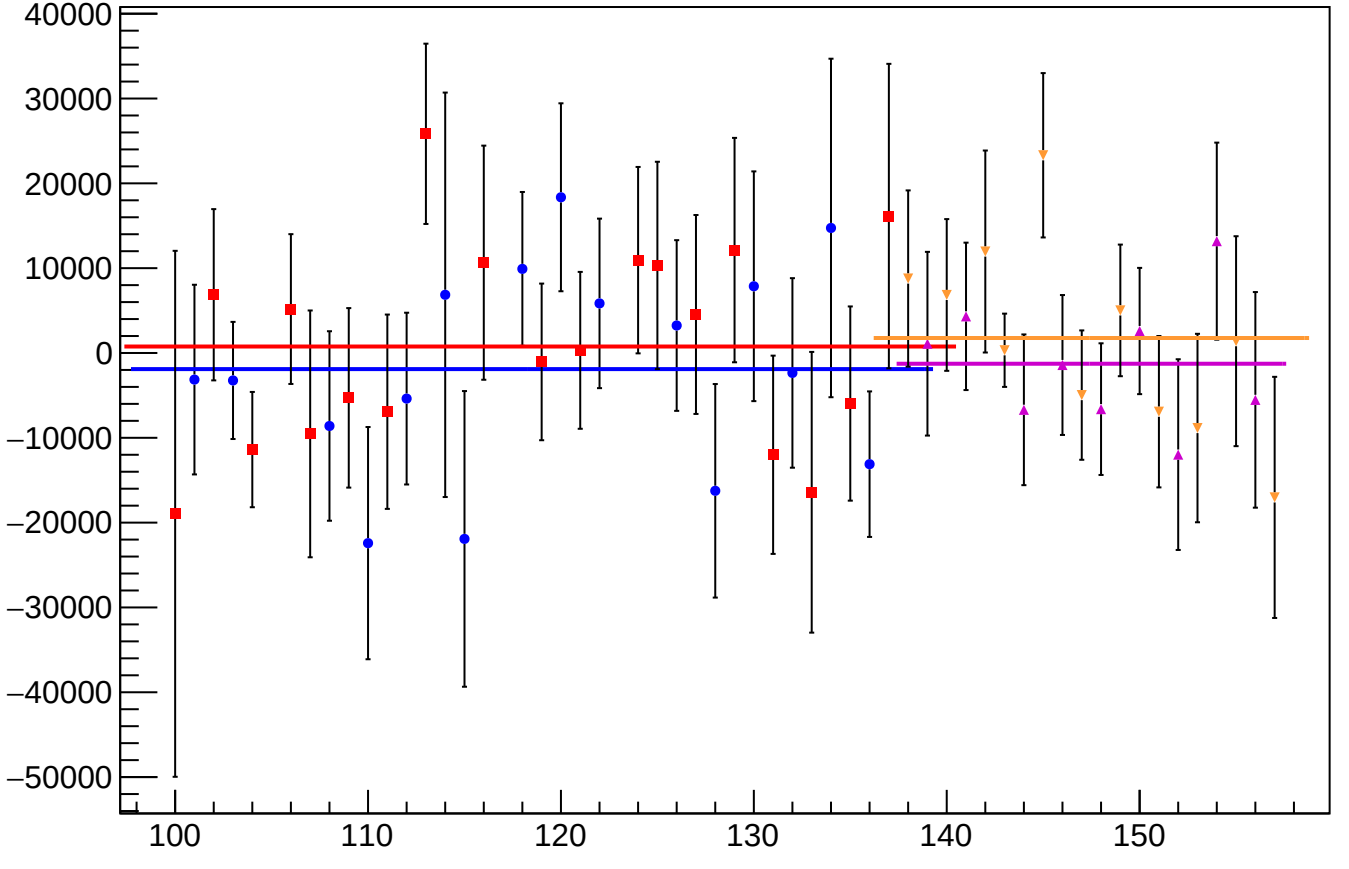
Left In: 1843.826+/-0.466 χ^2/NDF:47044.4/8

+ sign 1774.140+/-0.319 χ^2/NDF: 838372.3/26

All: 1758.059+/-0.226 χ^2/NDF: 1412743.9/54

- sign 1741.869+/-0.320 χ^2/NDF: 569263.8/27

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

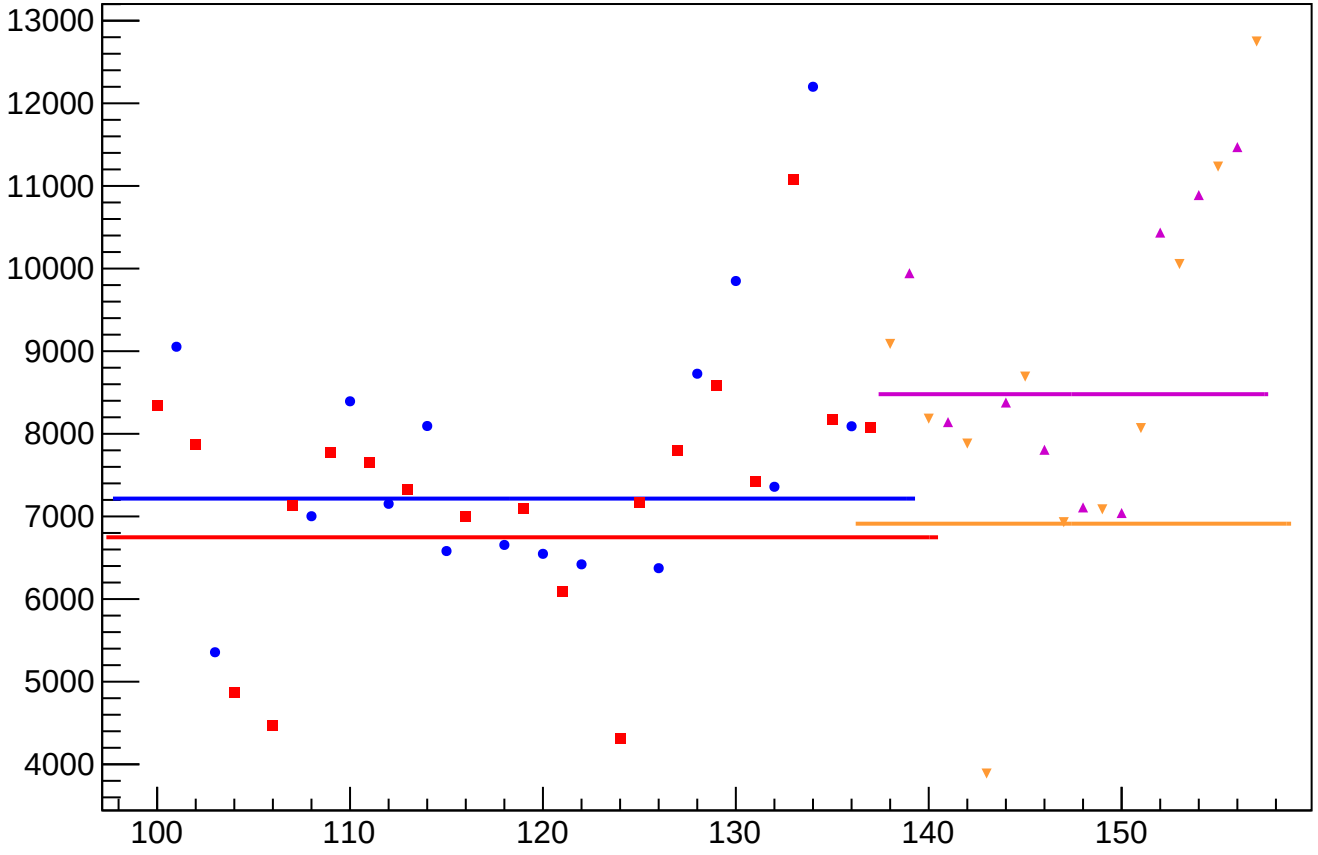
Left In: -1268.390+/-3081.570 χ^2/NDF:4.1/8

+ sign 95.248+/-1849.817 χ^2/NDF: 26.5/26

All: 20.922+/-1346.757 χ^2/NDF: 48.2/54

- sign -62.910+/-1964.562 χ^2/NDF: 21.7/27

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

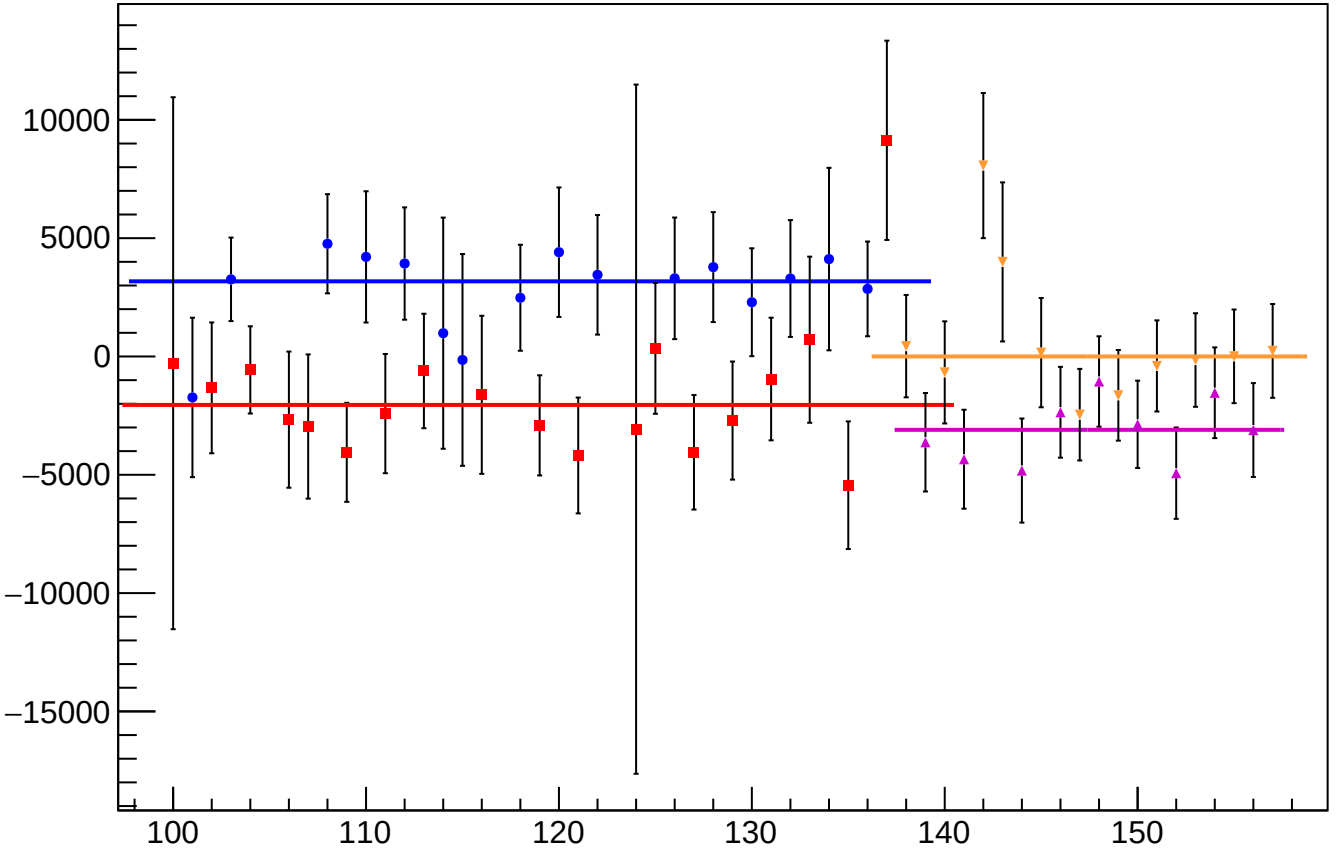
Left In: 8479.613+/-2.179 χ^2/NDF:447523.5/8

+ sign 7050.714+/-1.308 χ^2/NDF: 2490785.1/26

All: 7239.120+/-0.952 χ^2/NDF: 4066215.3/54

- sign 7451.626+/-1.389 χ^2/NDF: 1531281.5/27

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1.073+/-647.452 χ^2/NDF:10.9/10

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

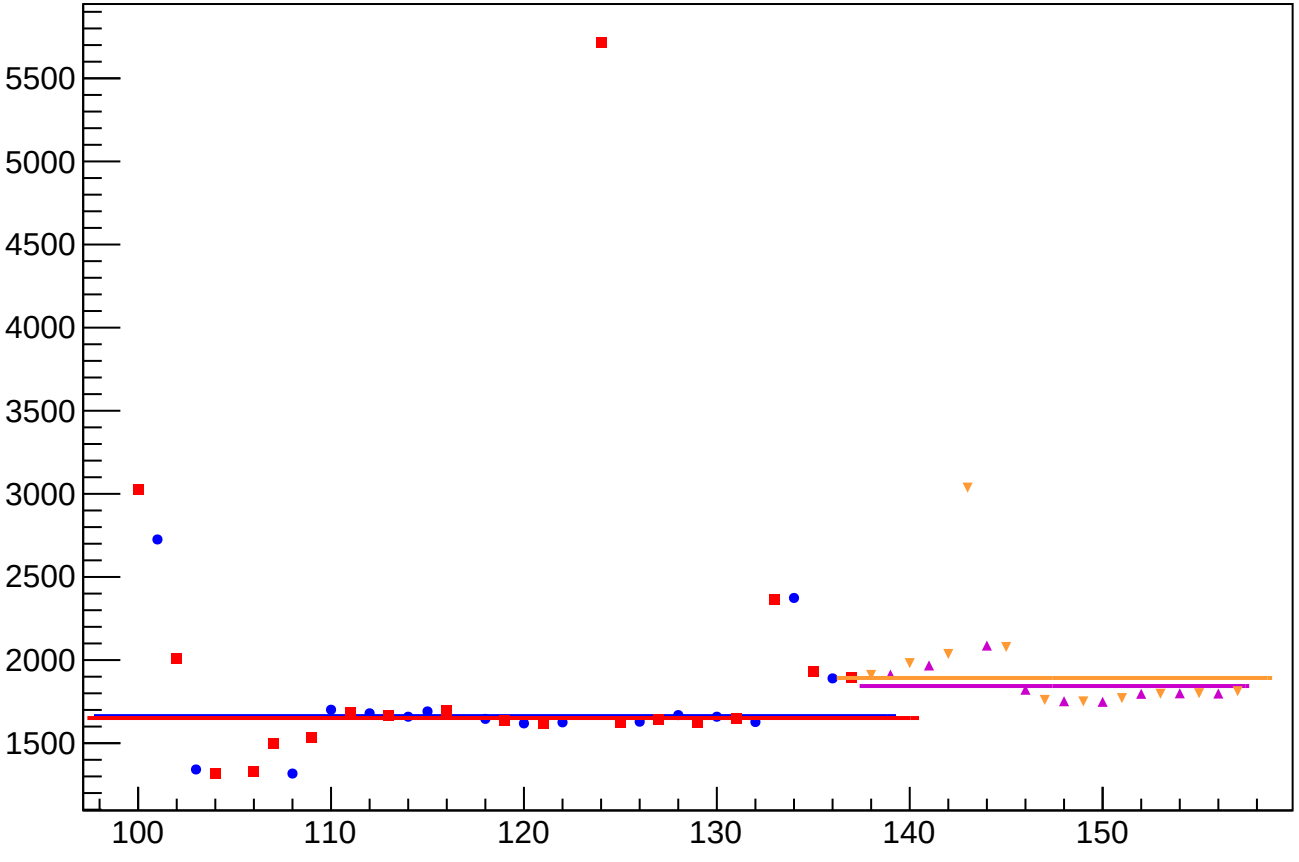
Left In: -3099.569+/-659.491 χ^2/NDF:3.9/8

+ sign 1636.807+/-450.780 χ^2/NDF: 27.6/26

All: -445.662+/-319.286 χ^2/NDF: 89.7/54

- sign -2542.204+/-452.301 χ^2/NDF: 19.3/27

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1892.380+/-0.458 χ^2/NDF:293285.5/10

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

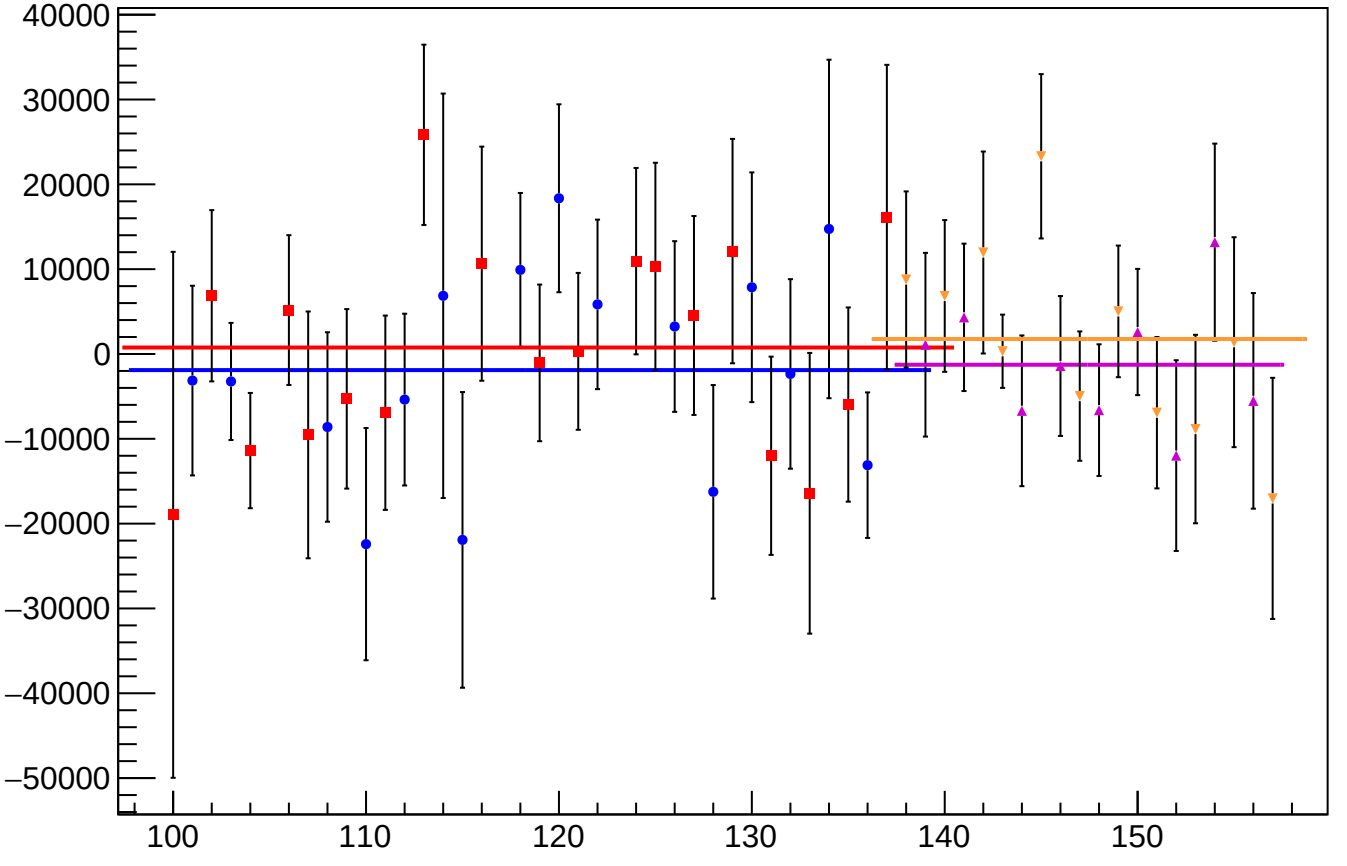
Left In: 1843.826+/-0.466 χ^2/NDF:47044.4/8

+ sign 1774.140+/-0.319 χ^2/NDF: 838372.3/26

All: 1758.059+/-0.226 χ^2/NDF: 1412743.9/54

- sign 1741.869+/-0.320 χ^2/NDF: 569263.8/27

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 1766.469+/-2507.542 χ^2/NDF:11.1/10

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

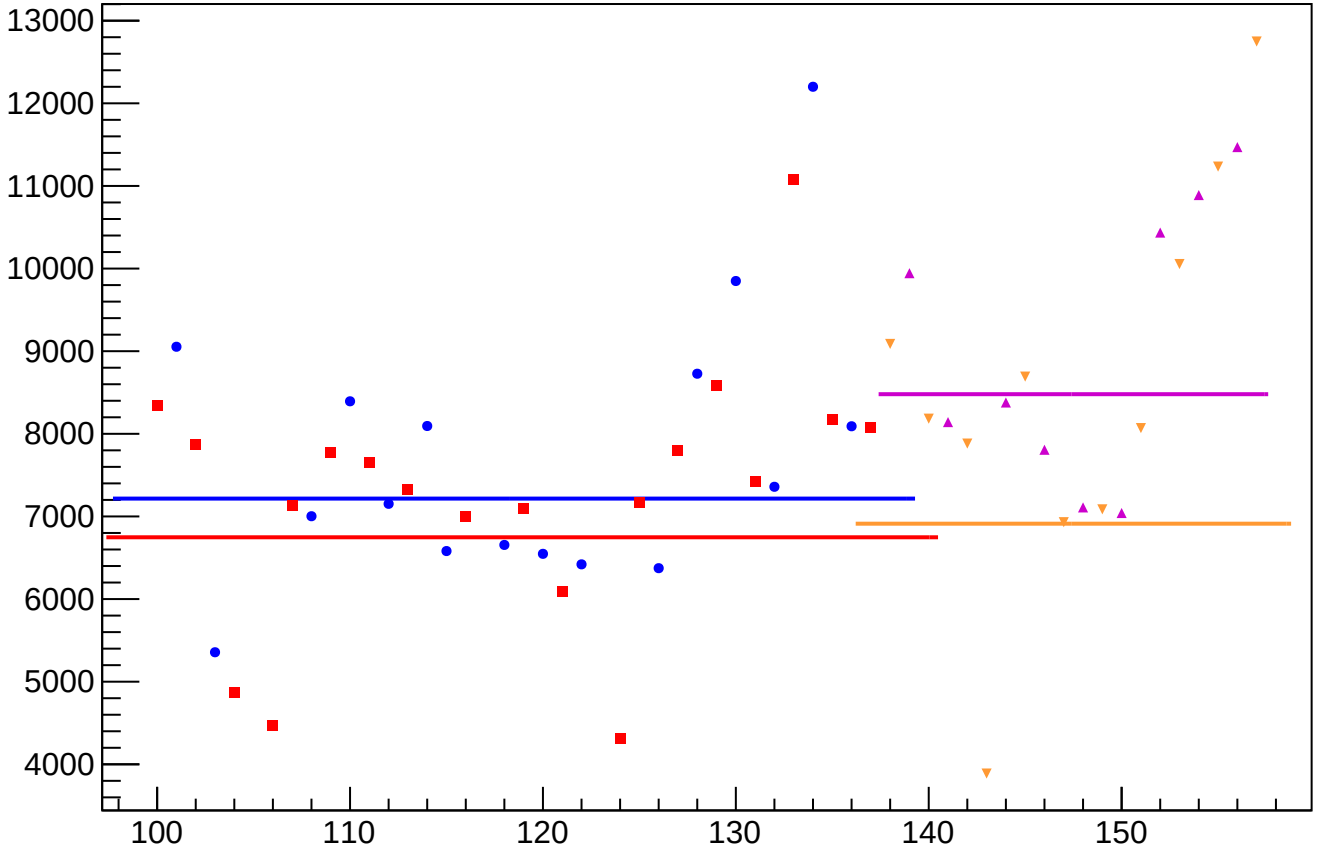
Left In: -1268.390+/-3081.570 χ^2/NDF:4.1/8

+ sign 95.248+/-1849.817 χ^2/NDF: 26.5/26

All: 20.922+/-1346.757 χ^2/NDF: 48.2/54

- sign -62.910+/-1964.562 χ^2/NDF: 21.7/27

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6912.254+/-1.773 χ^2/NDF:1965280.1/10

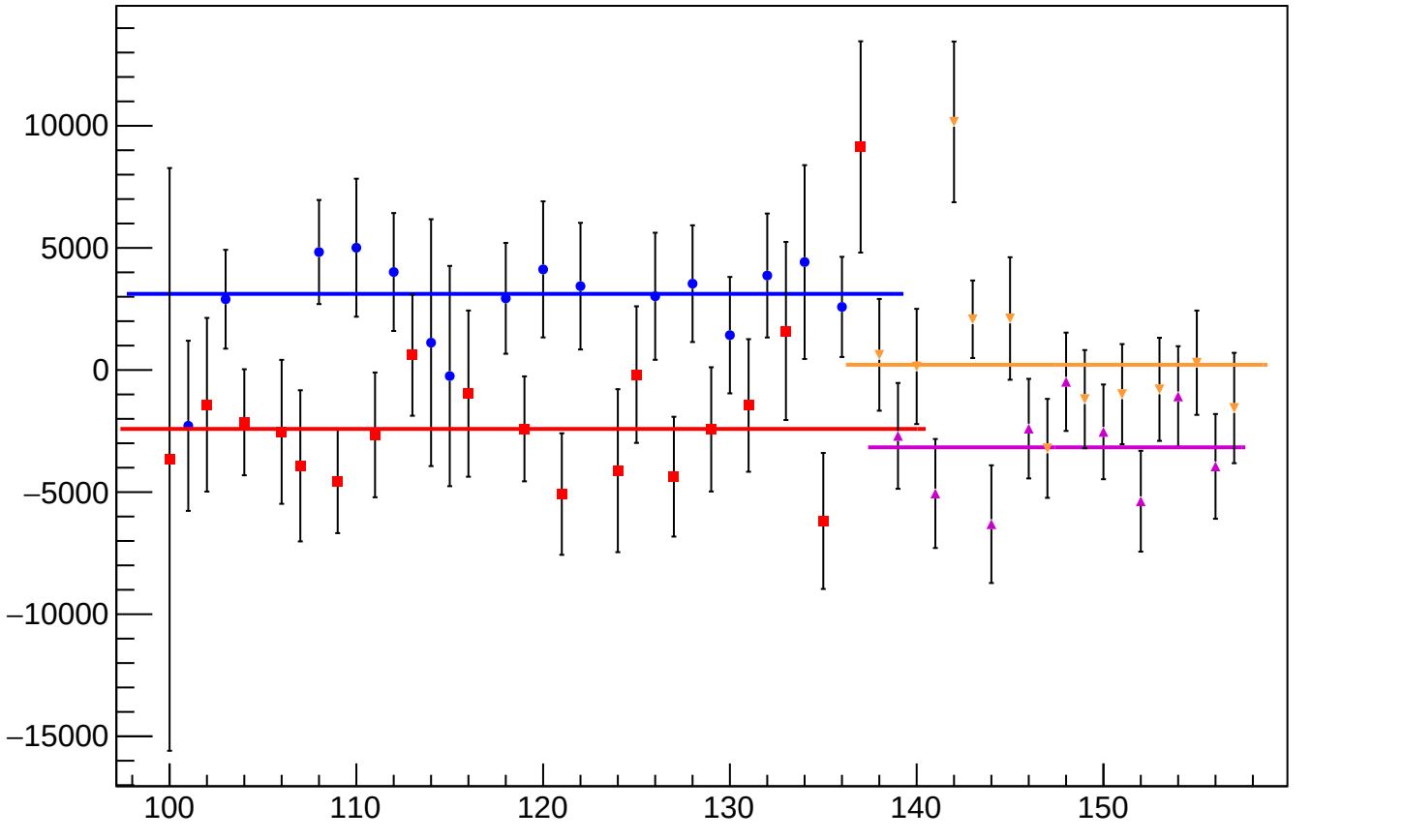
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8479.613+/-2.179 χ^2/NDF:447523.5/8

+ sign 7050.714+/-1.308 χ^2/NDF: 2490785.1/26

All: 7239.120+/-0.952 χ^2/NDF: 4066215.3/54

- sign 7451.626+/-1.389 χ^2/NDF: 1531281.5/27



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 215.340+/-647.265 χ^2/NDF:15.7/10

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

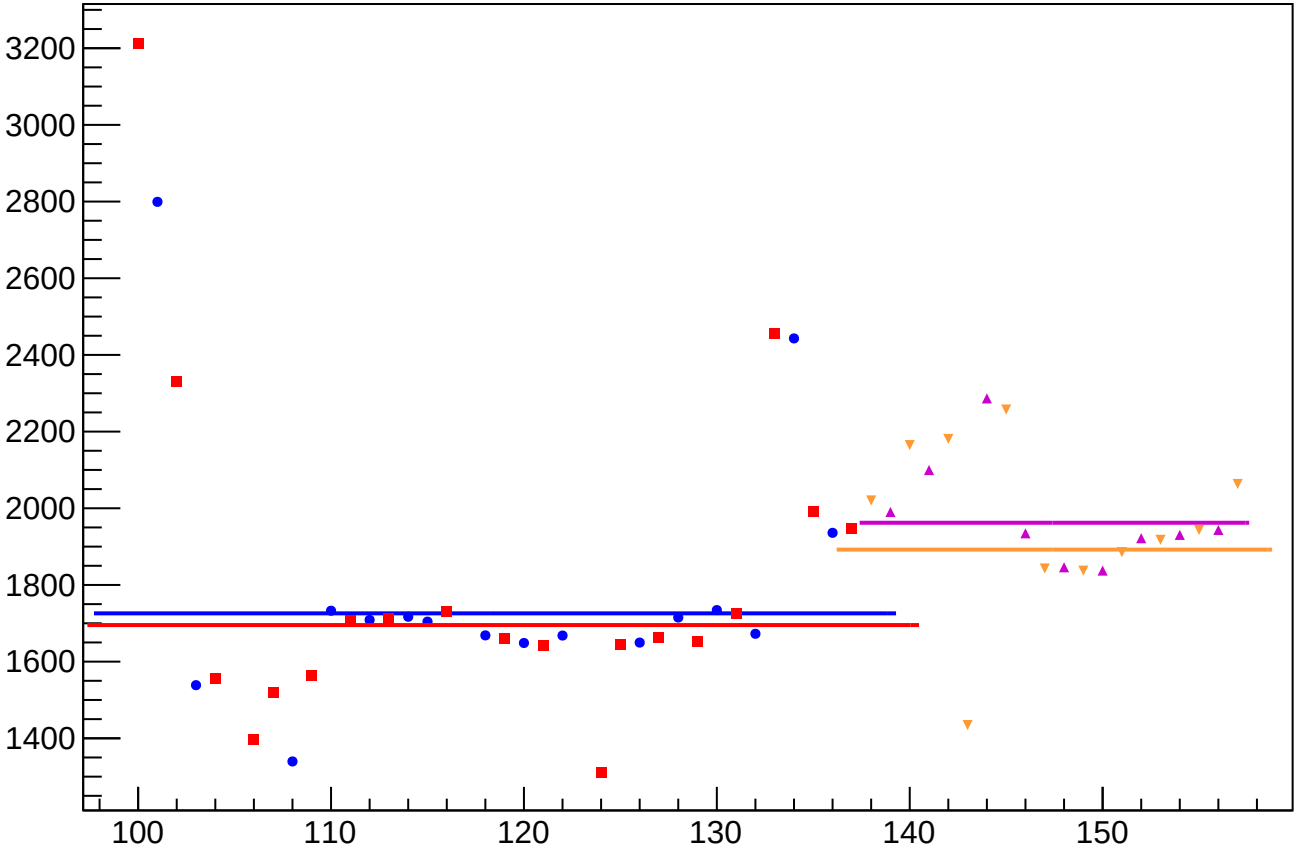
Left In: -3166.485+/-702.300 χ^2/NDF:6.8/8

+ sign 1657.994+/-459.042 χ^2/NDF: 31.0/26

All: -483.585+/-329.296 χ^2/NDF: 99.2/54

- sign -2753.984+/-472.646 χ^2/NDF: 23.4/27

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1892.185+/-0.458 χ^2/NDF:272481.1/10

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

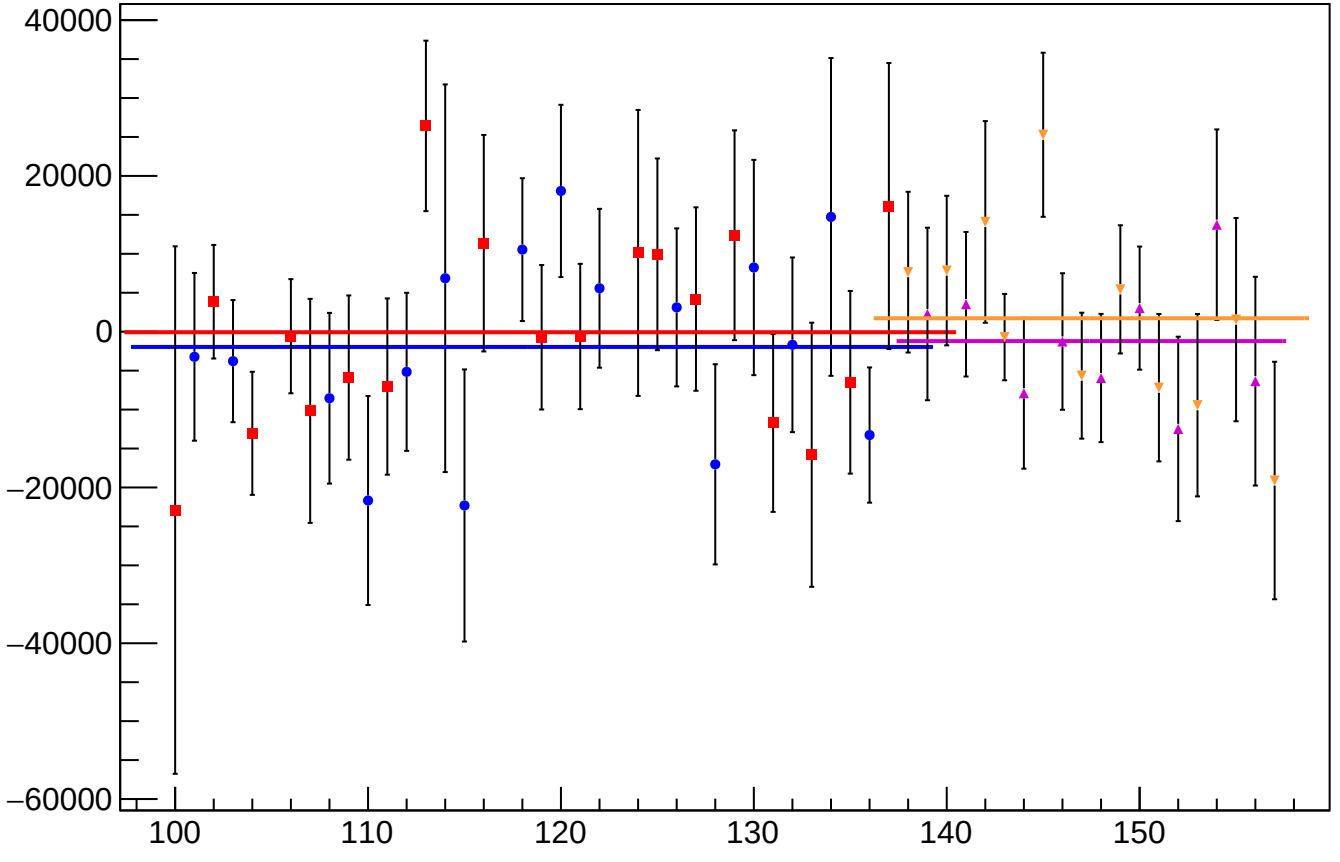
Left In: 1962.229+/-0.497 χ^2/NDF:60829.4/8

+ sign 1809.541+/-0.325 χ^2/NDF: 703719.1/26

All: 1812.773+/-0.233 χ^2/NDF: 1208384.9/54

- sign 1816.198+/-0.334 χ^2/NDF: 504461.6/27

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 1722.229+/-2812.103 χ^2/NDF:11.5/10

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

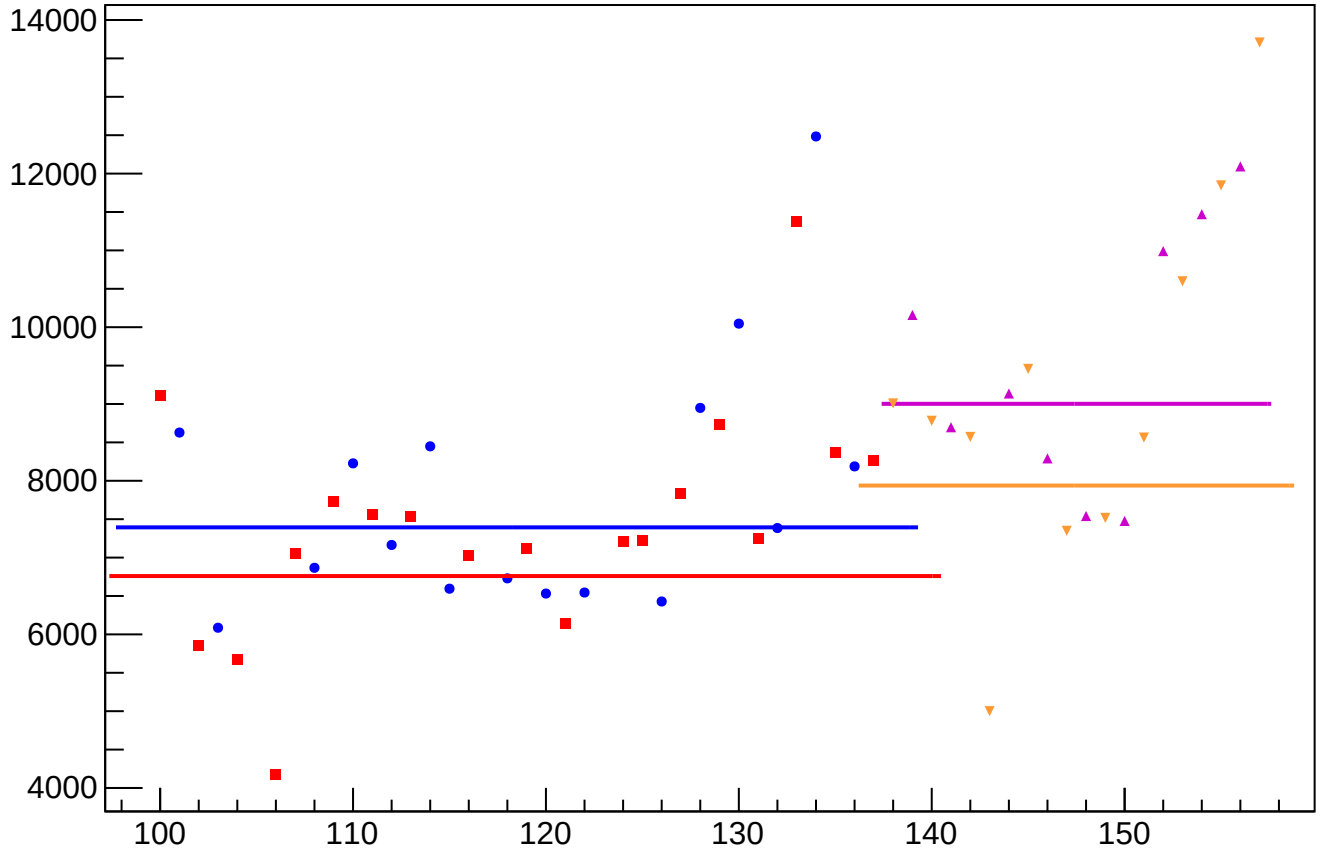
Left In: -1208.490+/-3268.932 χ^2/NDF:4.0/8

+ sign -127.215+/-1983.562 χ^2/NDF: 26.8/26

All: -309.659+/-1408.551 χ^2/NDF: 47.0/54

- sign -495.237+/-2000.530 χ^2/NDF: 20.2/27

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7938.059+/-1.988 χ^2/NDF:1238467.6/10

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

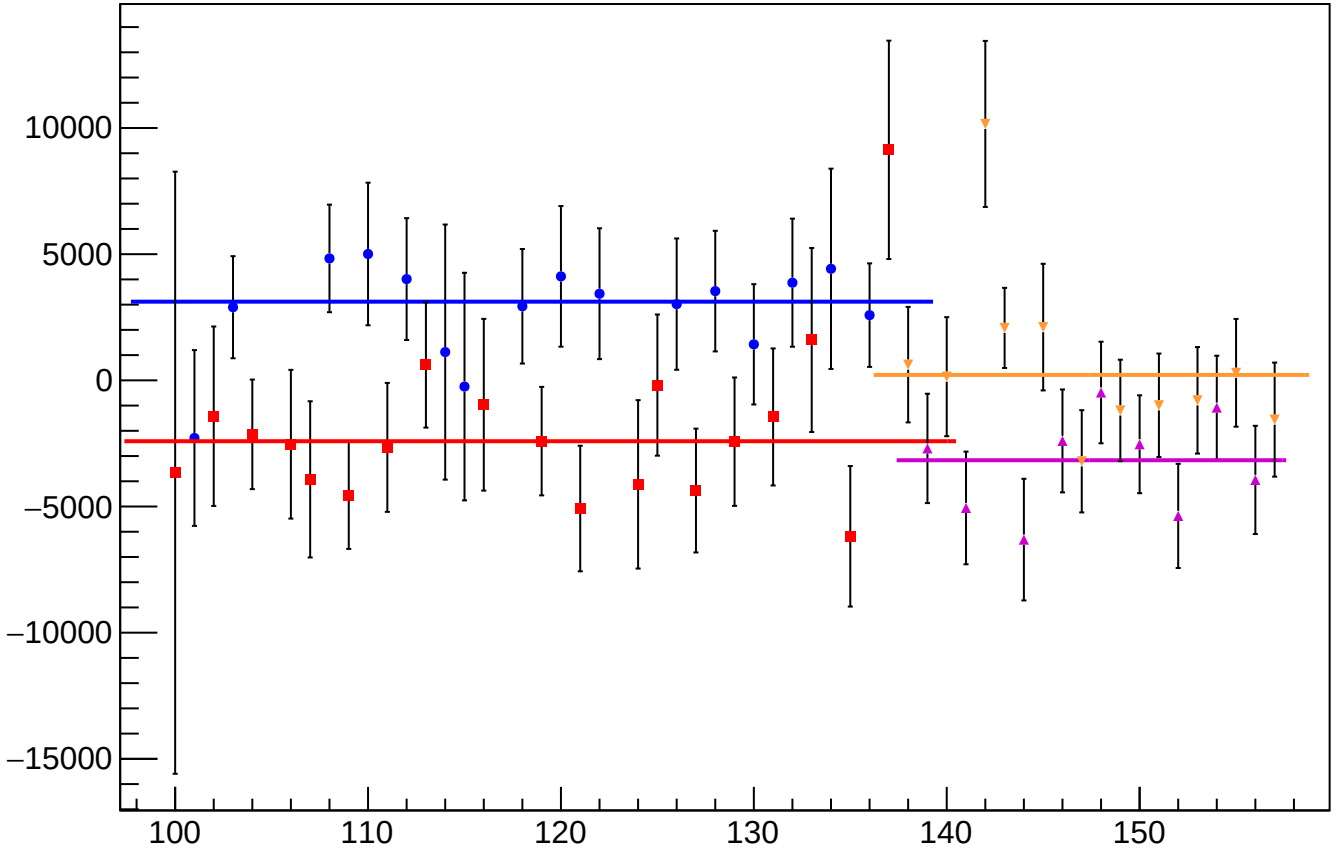
Left In: 9002.220+/-2.311 χ^2/NDF:419252.5/8

+ sign 7664.502+/-1.403 χ^2/NDF: 1677961.5/26

All: 7632.231+/-0.996 χ^2/NDF: 3331427.3/54

- sign 7599.405+/-1.415 χ^2/NDF: 1652397.9/27

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 215.335+/-647.265 χ^2/NDF:15.7/10

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

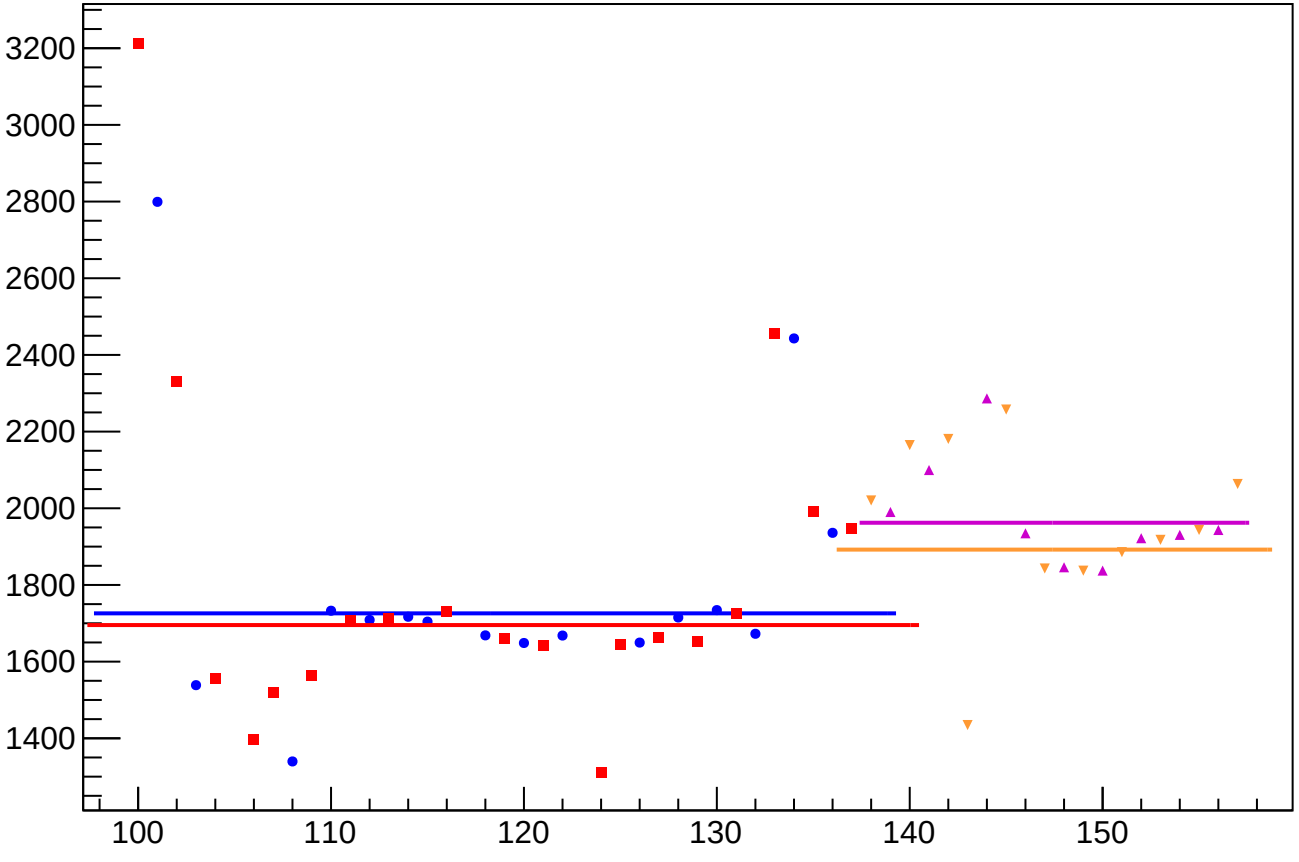
Left In: -3166.481+/-702.301 χ^2/NDF:6.8/8

+ sign 1657.995+/-459.042 χ^2/NDF: 31.0/26

All: -483.585+/-329.296 χ^2/NDF: 99.2/54

- sign -2753.986+/-472.647 χ^2/NDF: 23.4/27

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1892.187+/-0.458 χ^2/NDF:272482.0/10

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

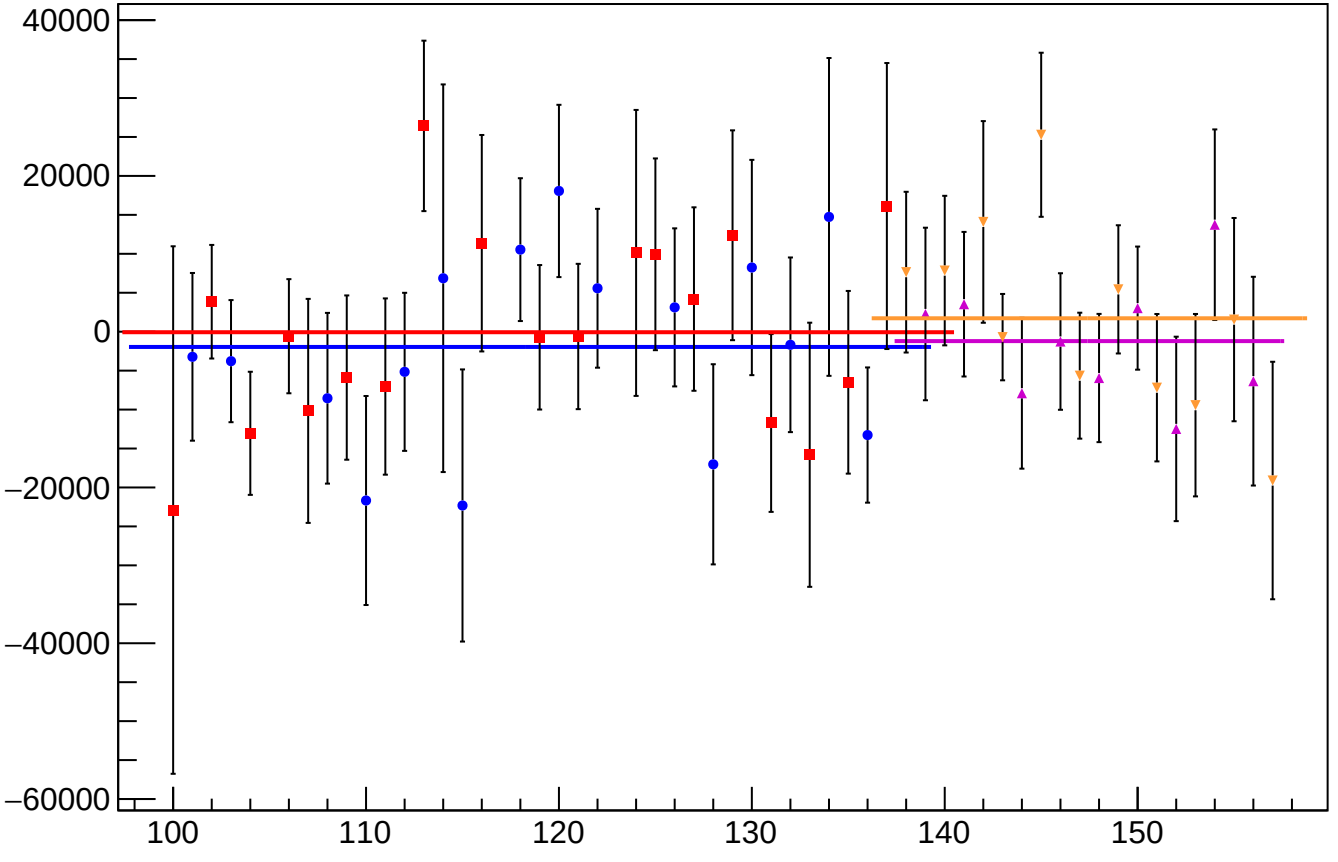
Left In: 1962.232+/-0.497 χ^2/NDF:60829.7/8

+ sign 1809.542+/-0.325 χ^2/NDF: 703722.6/26

All: 1812.774+/-0.233 χ^2/NDF: 1208392.5/54

- sign 1816.199+/-0.334 χ^2/NDF: 504465.7/27

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 1722.222+/-2812.107 χ^2/NDF:11.5/10

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

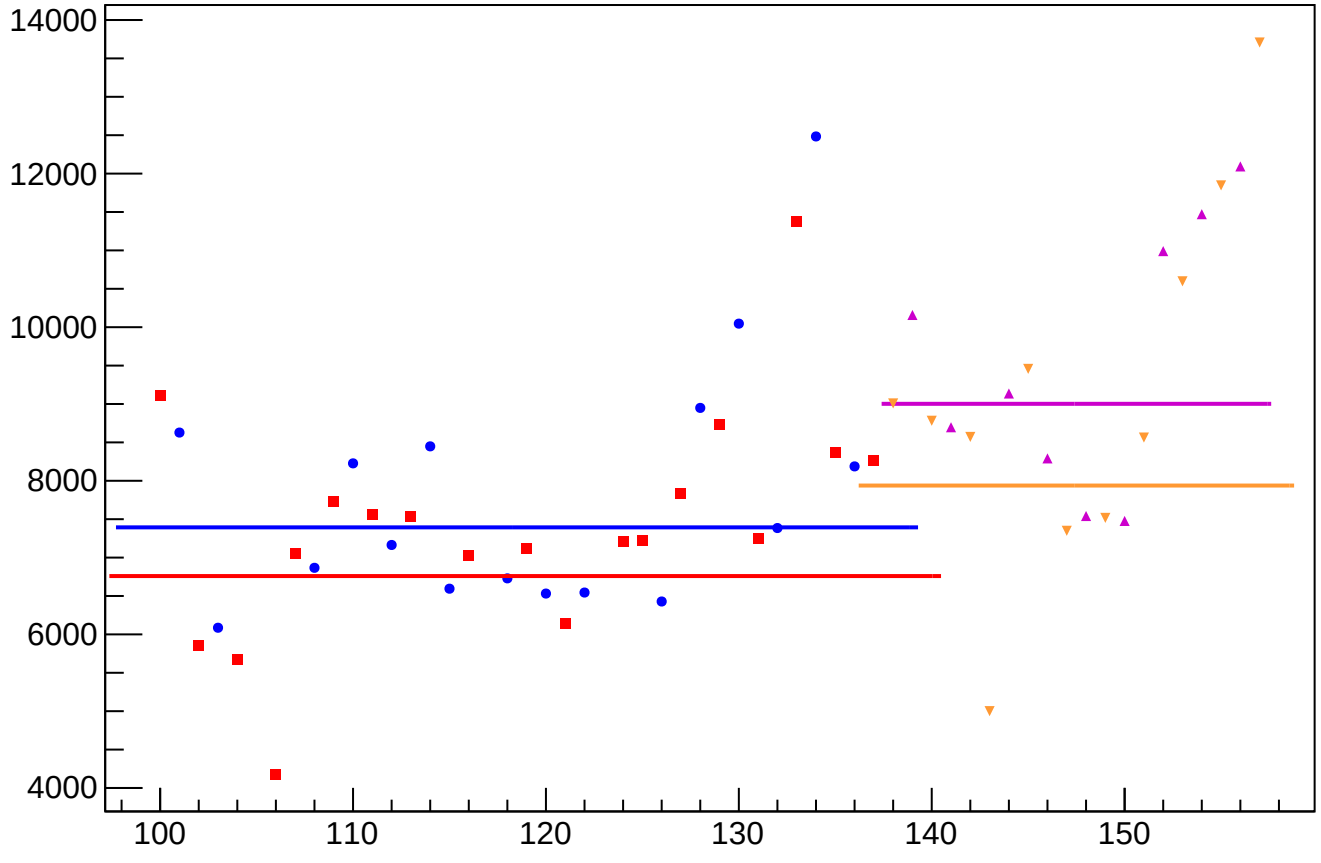
Left In: -1208.486+/-3268.936 χ^2/NDF:4.0/8

+ sign -127.215+/-1983.561 χ^2/NDF: 26.8/26

All: -309.659+/-1408.550 χ^2/NDF: 47.0/54

- sign -495.238+/-2000.528 χ^2/NDF: 20.2/27

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7938.070+/-1.988 χ^2/NDF:1238466.7/10

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

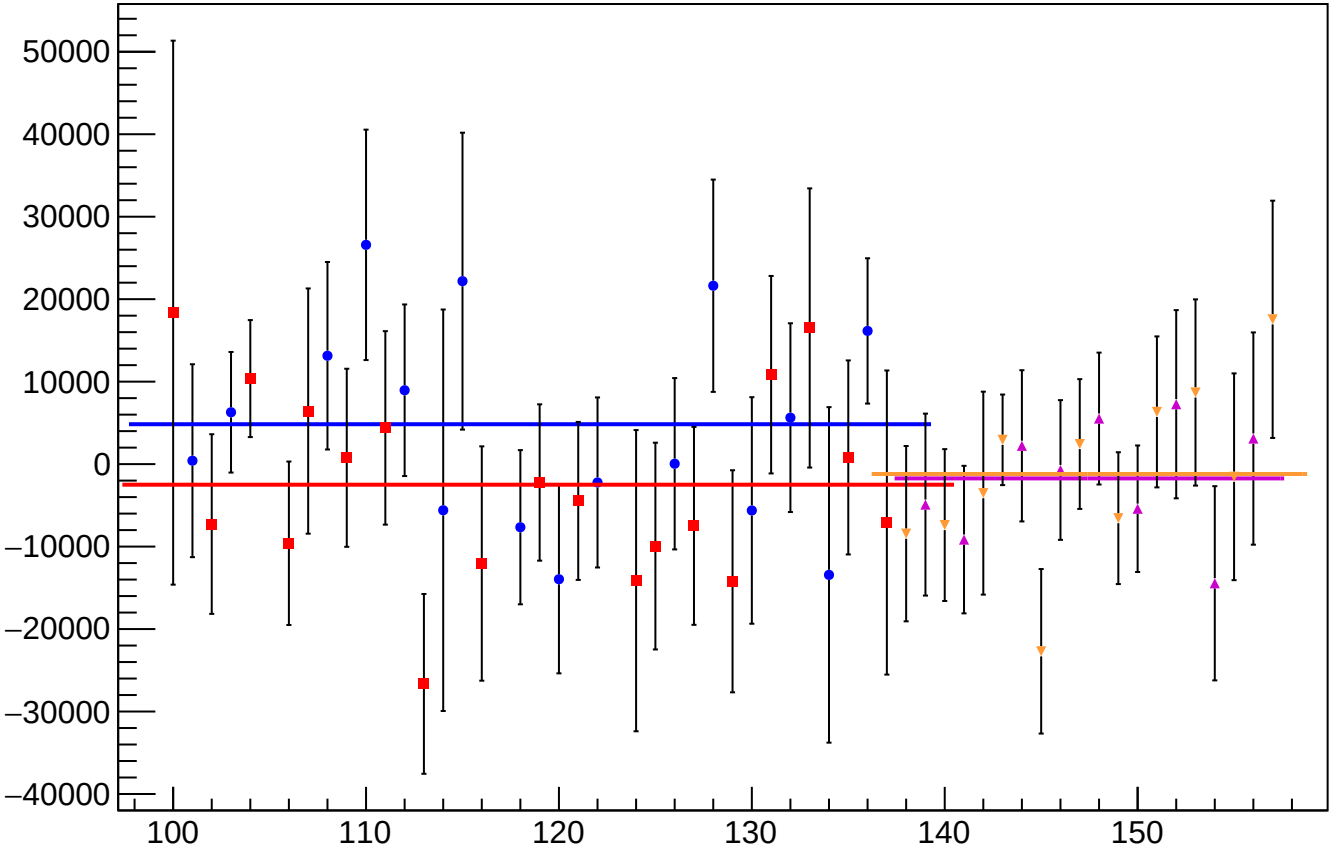
Left In: 9002.232+/-2.311 χ^2/NDF:419253.0/8

+ sign 7664.498+/-1.403 χ^2/NDF: 1677966.9/26

All: 7632.224+/-0.996 χ^2/NDF: 3331445.6/54

- sign 7599.396+/-1.415 χ^2/NDF: 1652410.7/27

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1199.704+/-2739.498 χ^2/NDF:10.0/10

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

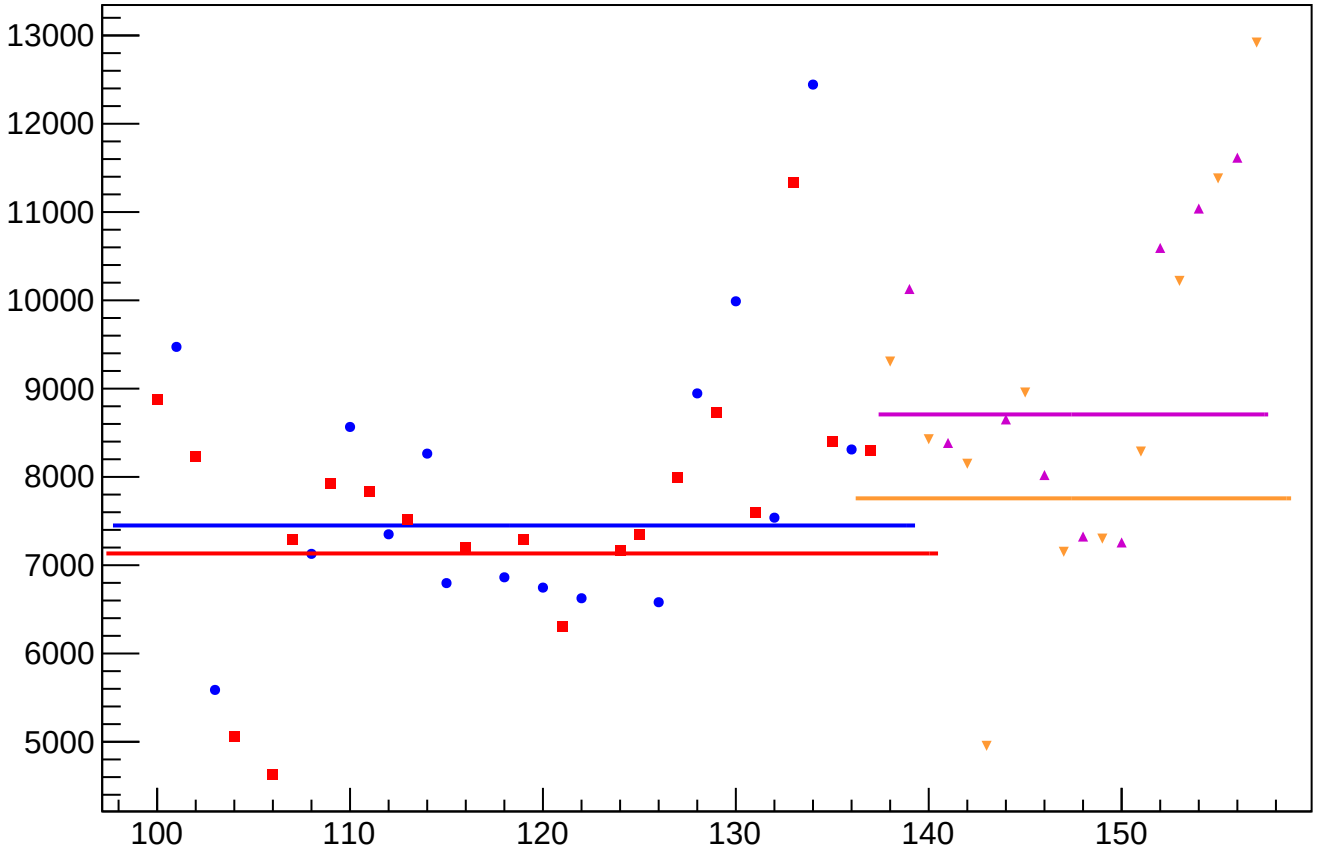
Left In: -1733.509+/-3160.327 χ^2/NDF:4.0/8

+ sign 1722.130+/-1967.971 χ^2/NDF: 26.6/26

All: -145.993+/-1419.966 χ^2/NDF: 47.4/54

- sign -2174.807+/-2050.865 χ^2/NDF: 18.9/27

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7757.281+/-1.937 χ^2/NDF:1150156.9/10

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

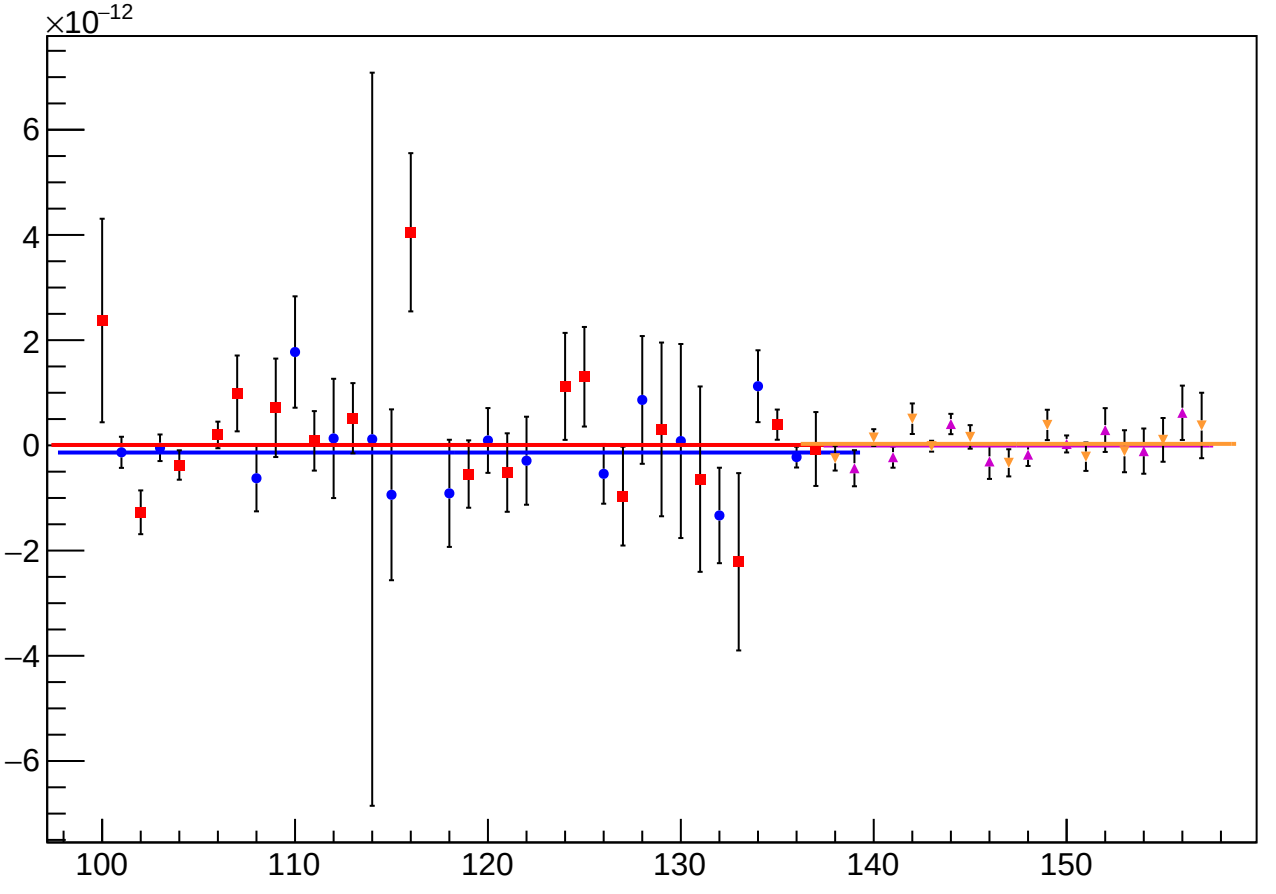
Left In: 8707.773+/-2.235 χ^2/NDF:415505.2/8

+ sign 7608.565+/-1.392 χ^2/NDF: 1648763.3/26

All: 7698.511+/-1.004 χ^2/NDF: 2917418.2/54

- sign 7796.187+/-1.450 χ^2/NDF: 1259940.0/27

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

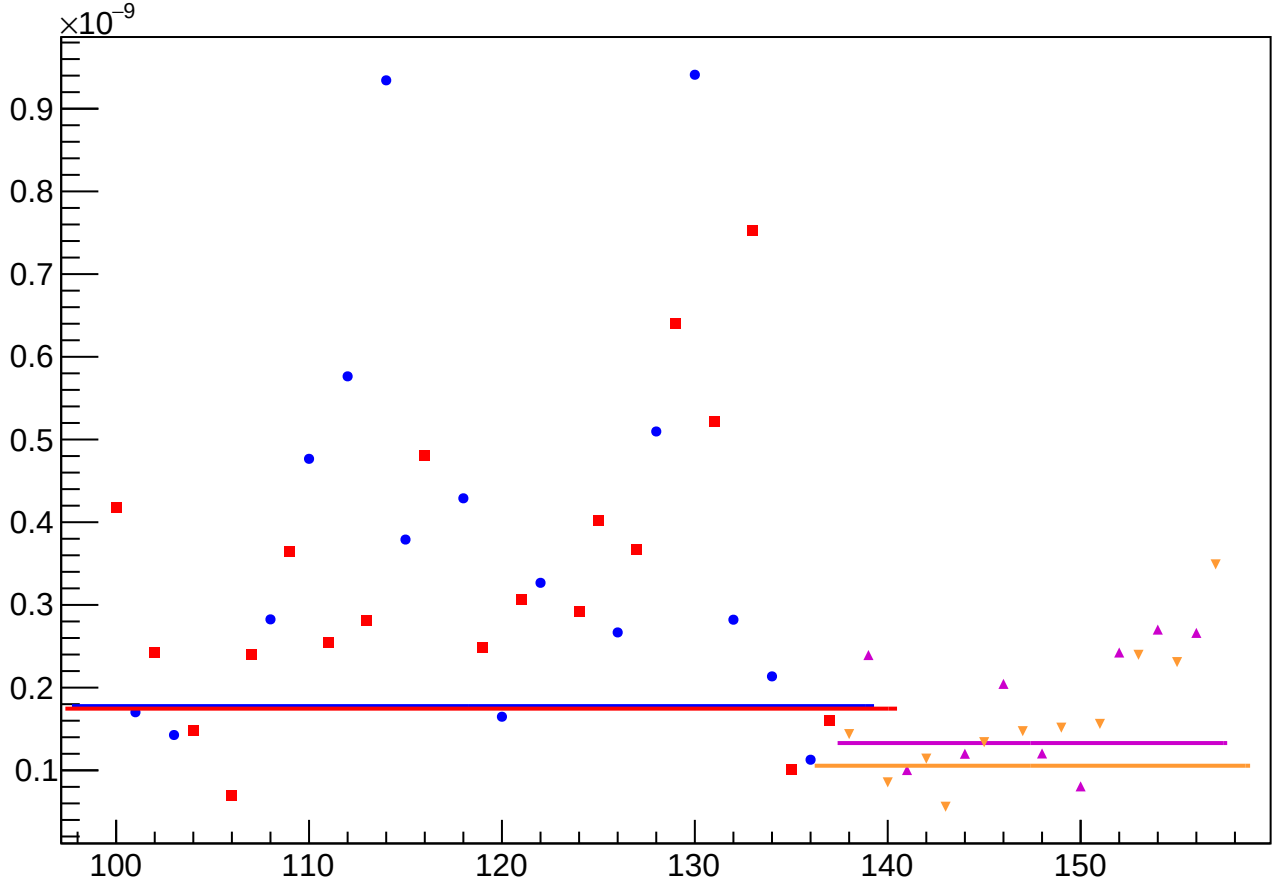
Left In: -0.000+/-0.000 χ^2/NDF:10.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/26

All: -0.000+/-0.000 χ^2/NDF: 66.5/54

- sign 0.000+/-0.000 χ^2/NDF: 43.5/27

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1466564.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

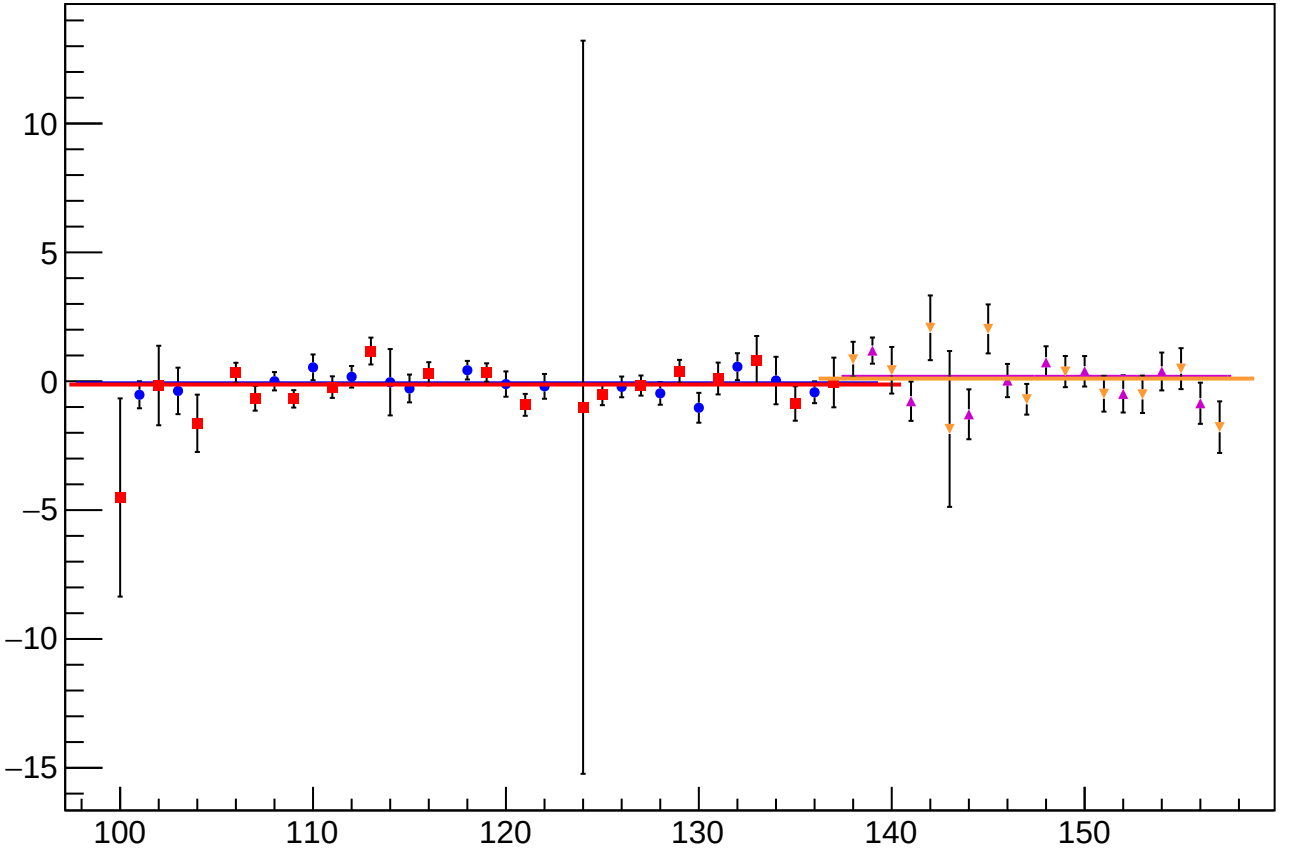
Left In: 0.000+/-0.000 χ^2/NDF:1037382.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 3556868.4/26

All: 0.000+/-0.000 χ^2/NDF: 6538943.4/54

- sign 0.000+/-0.000 χ^2/NDF: 2835464.8/27

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

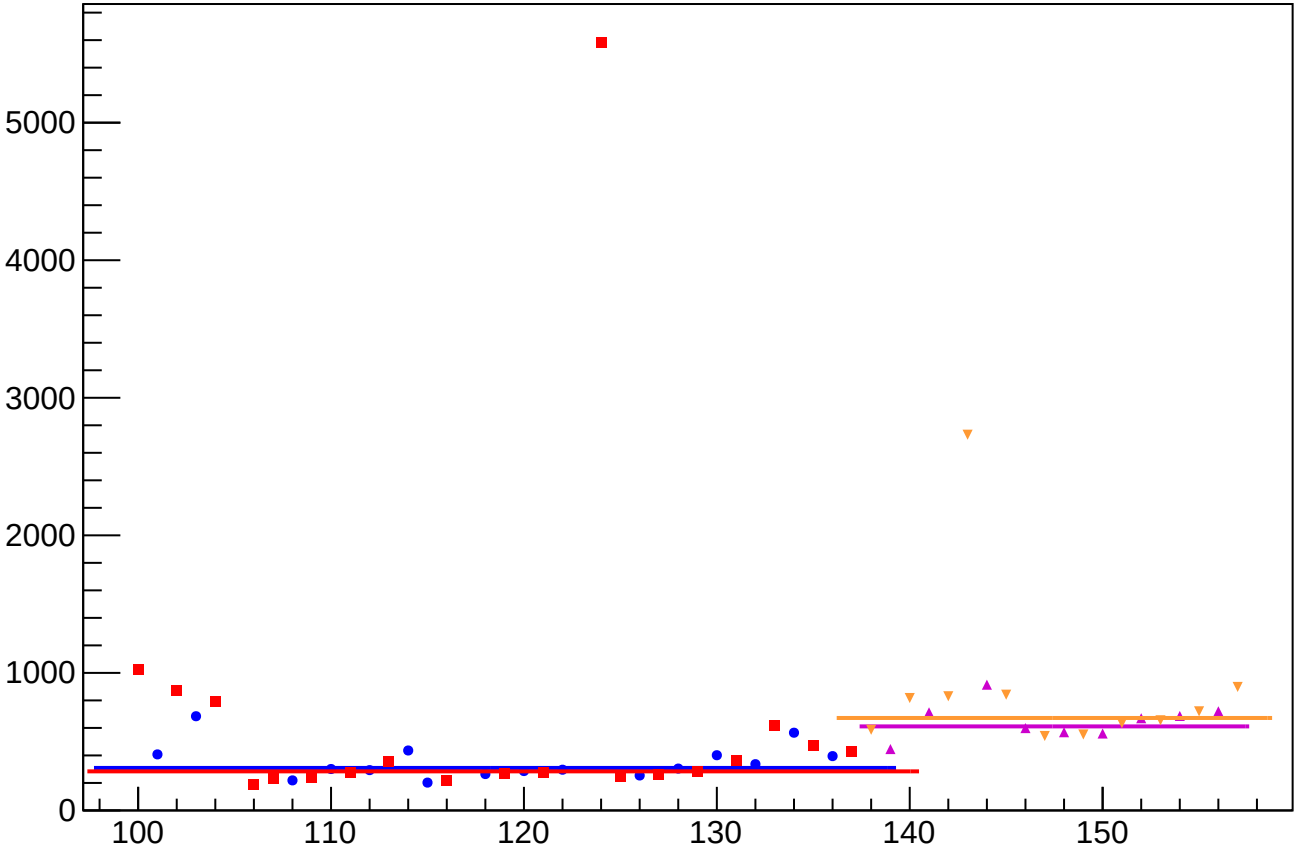
Left In: 0.172+/-0.224 χ^2/NDF:11.4/8

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.054+/-0.075 χ^2/NDF: 64.8/54

- sign -0.064+/-0.104 χ^2/NDF: 38.1/27

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

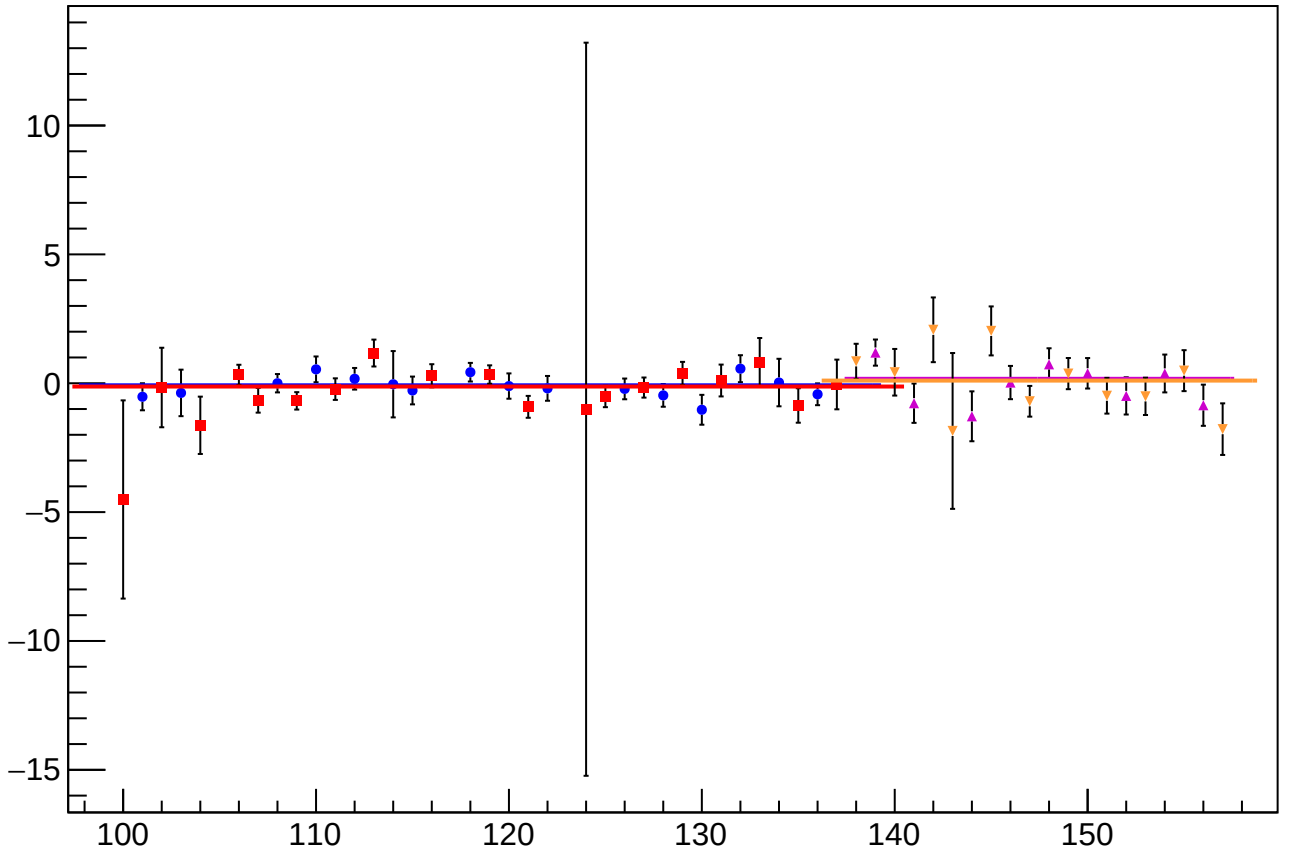
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 611.086+/-0.159 χ^2/NDF:541118.3/8

+ sign 383.482+/-0.077 χ^2/NDF: 6050318.3/26

All: 368.030+/-0.053 χ^2/NDF: 11862707.8/54

- sign 353.963+/-0.073 χ^2/NDF: 5735143.2/27



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

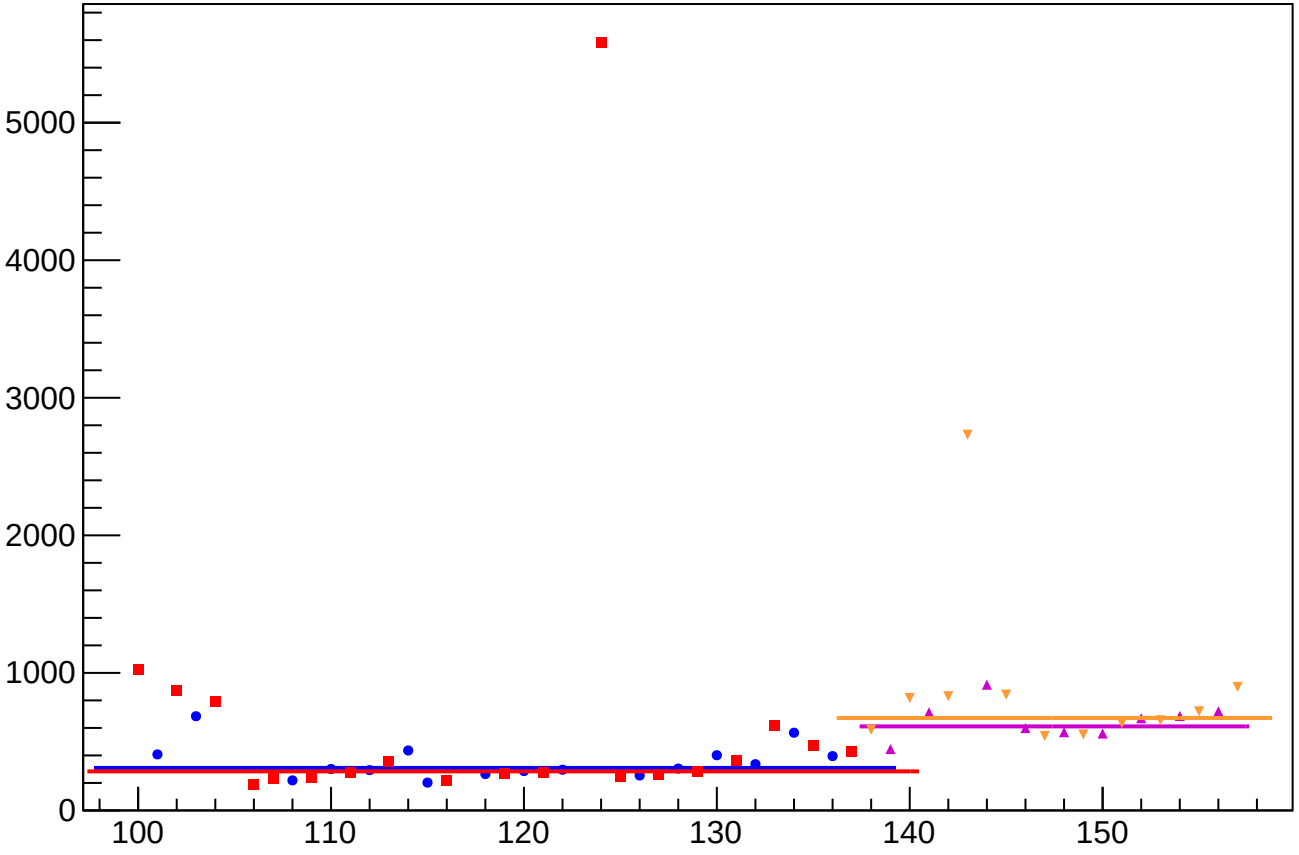
Left In: 0.172+/-0.224 χ^2/NDF:11.4/8

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.054+/-0.075 χ^2/NDF: 64.8/54

- sign -0.064+/-0.104 χ^2/NDF: 38.1/27

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 672.329+/-0.170 χ^2/NDF:1396892.7/10

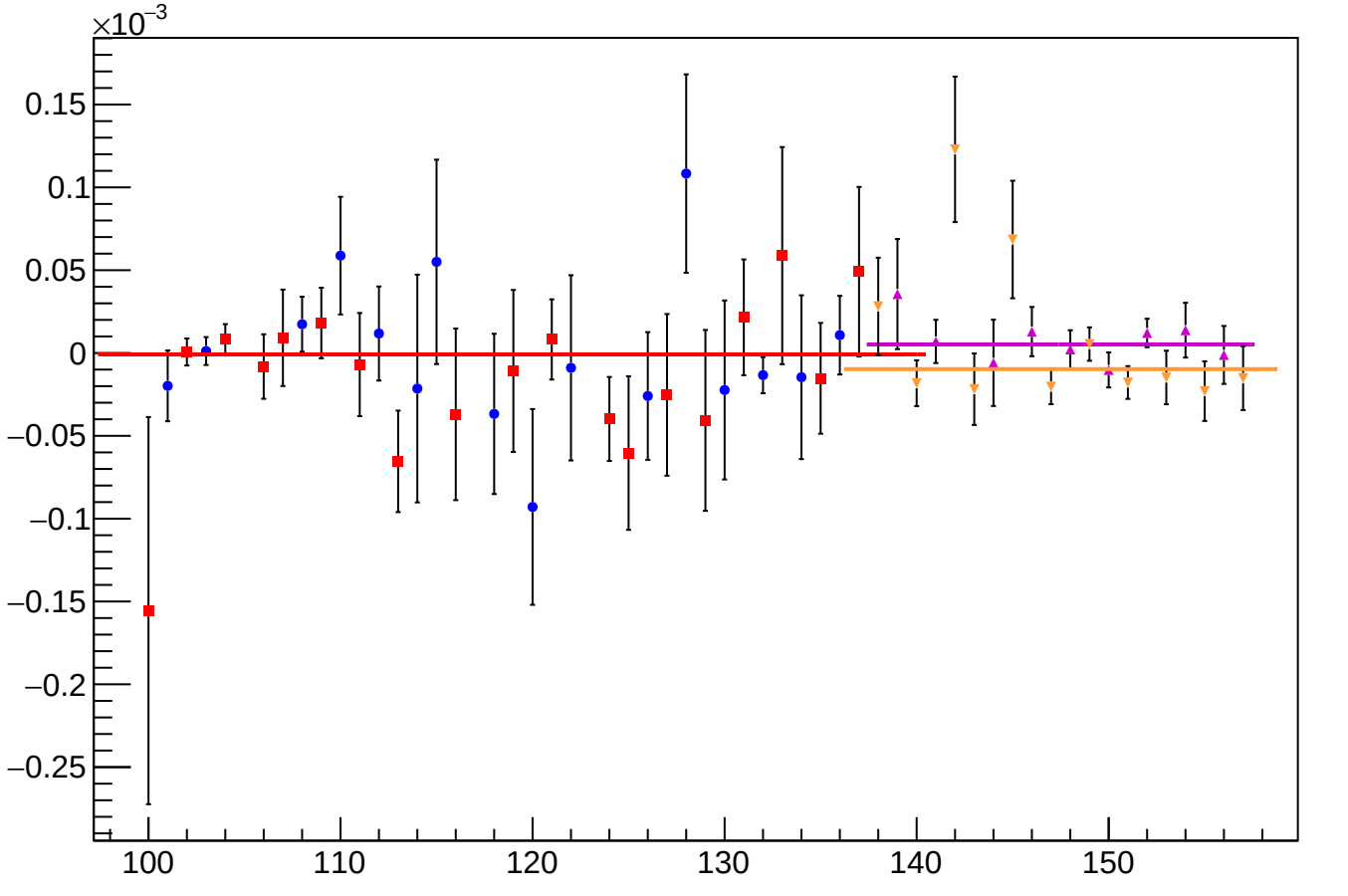
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 611.086+/-0.159 χ^2/NDF:541118.3/8

+ sign 383.482+/-0.077 χ^2/NDF: 6050318.3/26

All: 368.030+/-0.053 χ^2/NDF: 11862707.8/54

- sign 353.963+/-0.073 χ^2/NDF: 5735143.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

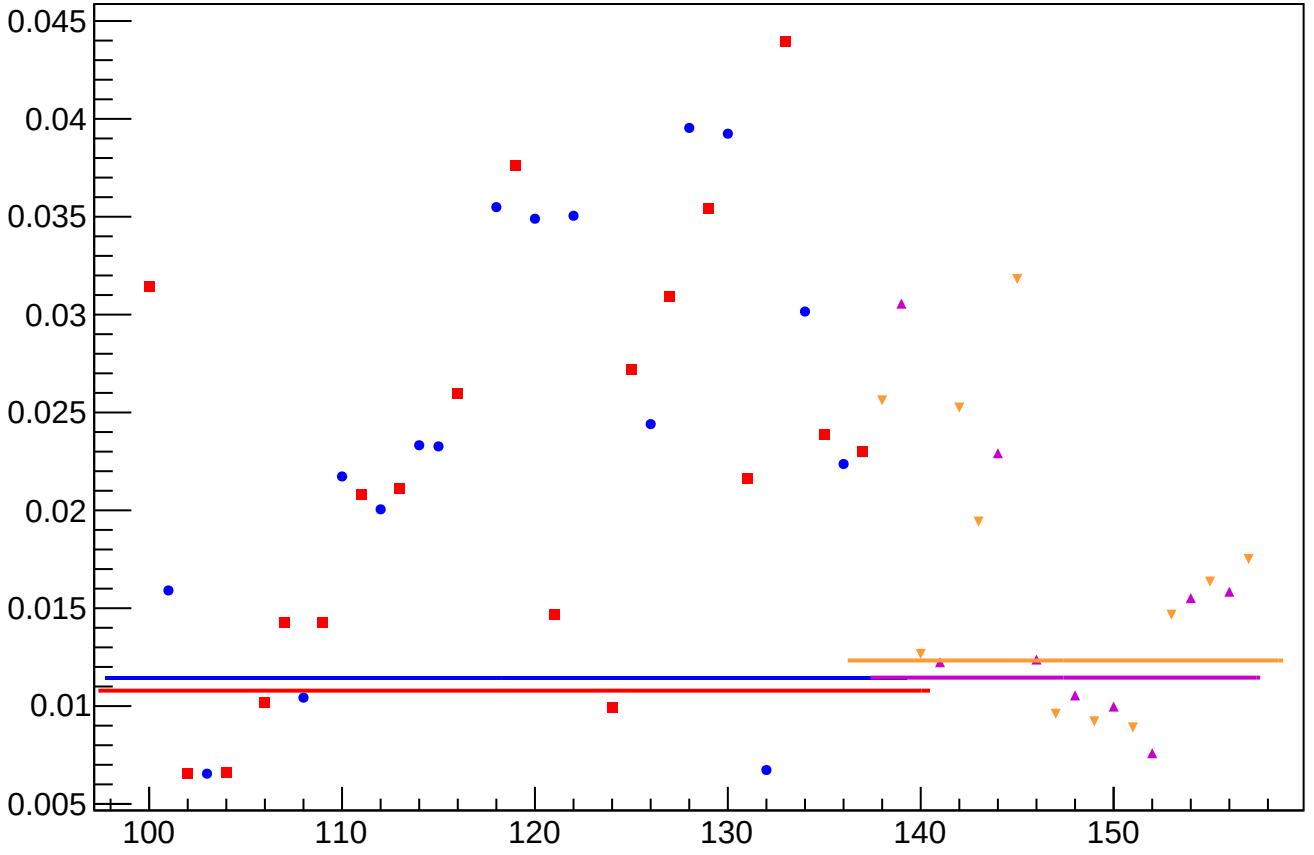
Left In: 0.000+/-0.000 χ^2/NDF:4.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/26

All: -0.000+/-0.000 χ^2/NDF: 61.7/54

- sign 0.000+/-0.000 χ^2/NDF: 21.5/27

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2251409.1/10

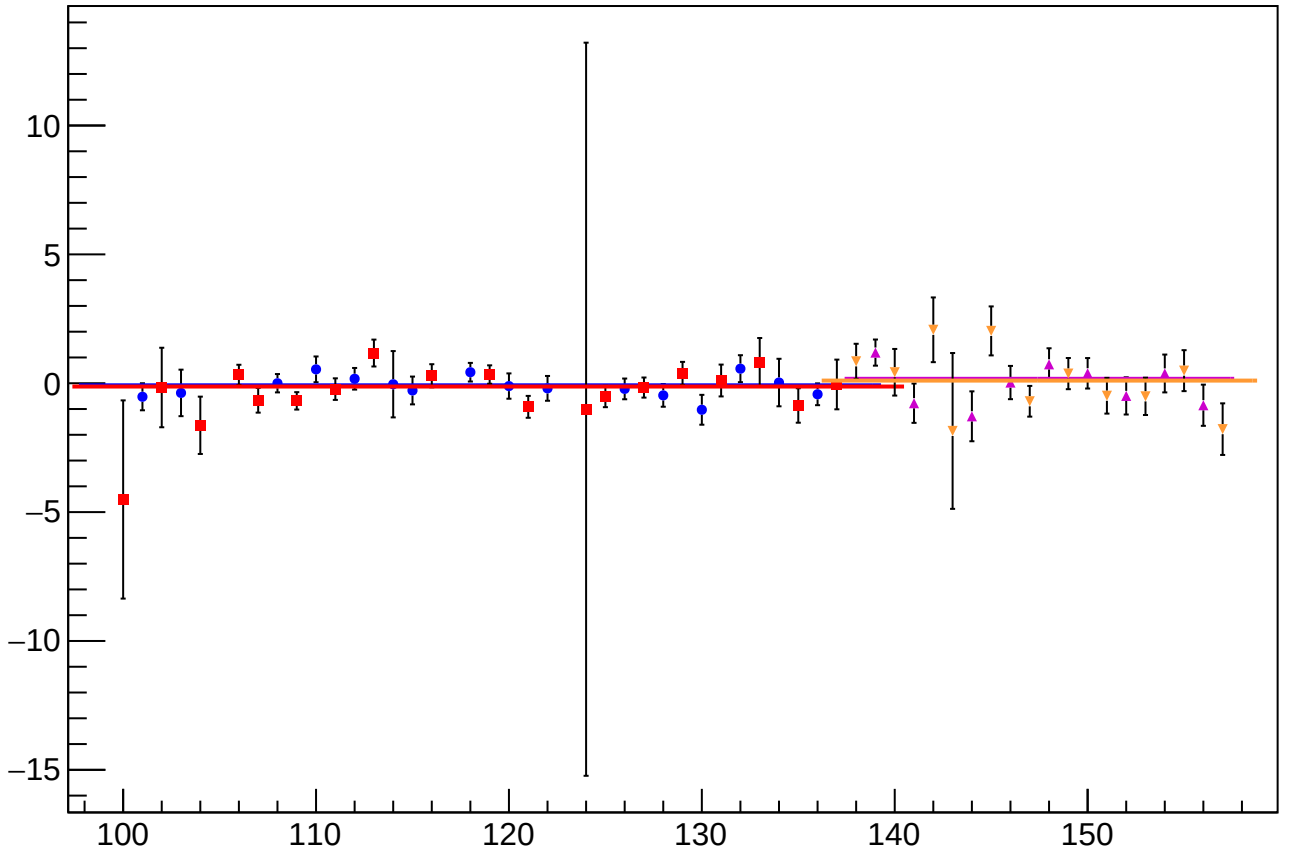
Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1762669.5/8

+ sign 0.012+/-0.000 χ^2/NDF: 6984024.3/26

All: 0.012+/-0.000 χ^2/NDF: 13297587.0/54

- sign 0.011+/-0.000 χ^2/NDF: 6256669.8/27



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

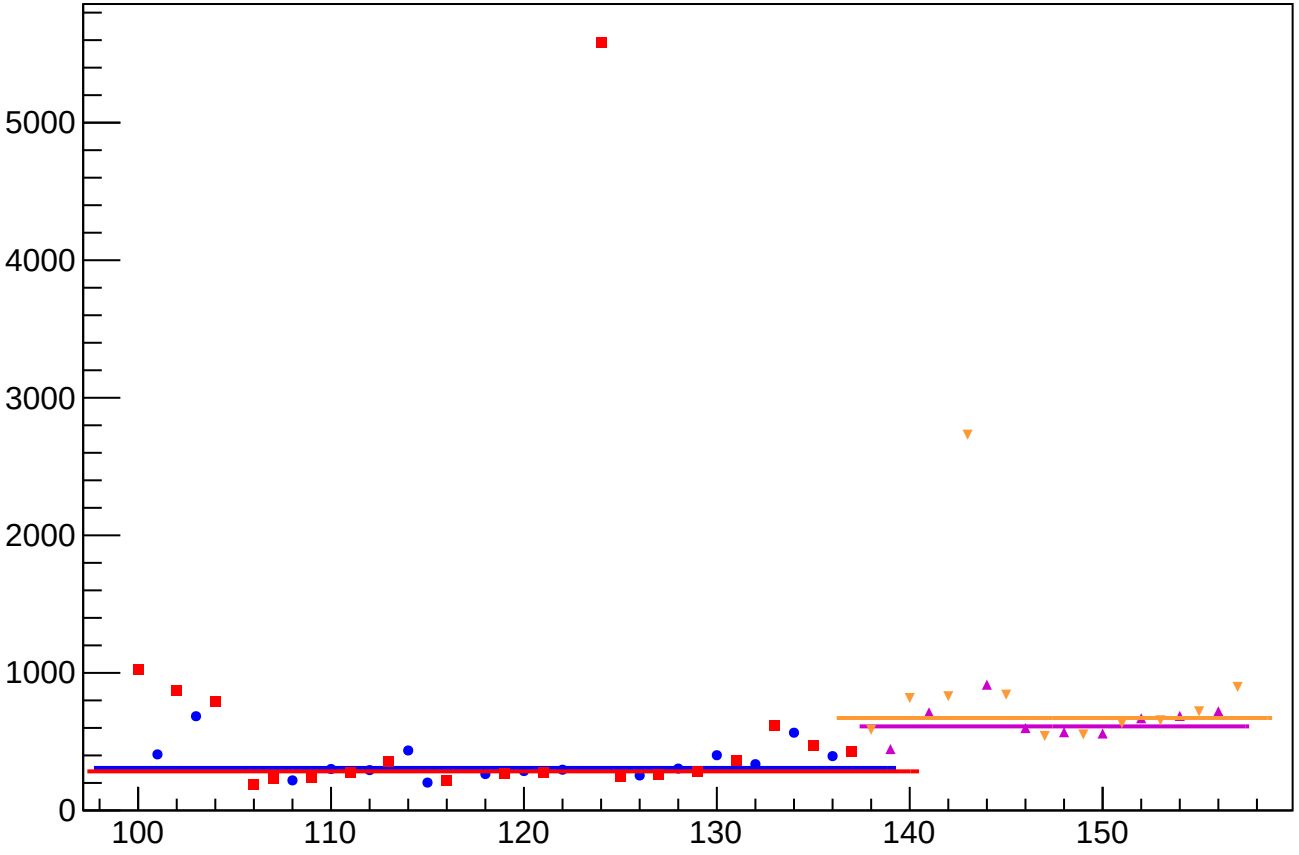
Left In: 0.172+/-0.224 χ^2/NDF:11.4/8

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.054+/-0.075 χ^2/NDF: 64.8/54

- sign -0.064+/-0.104 χ^2/NDF: 38.1/27

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

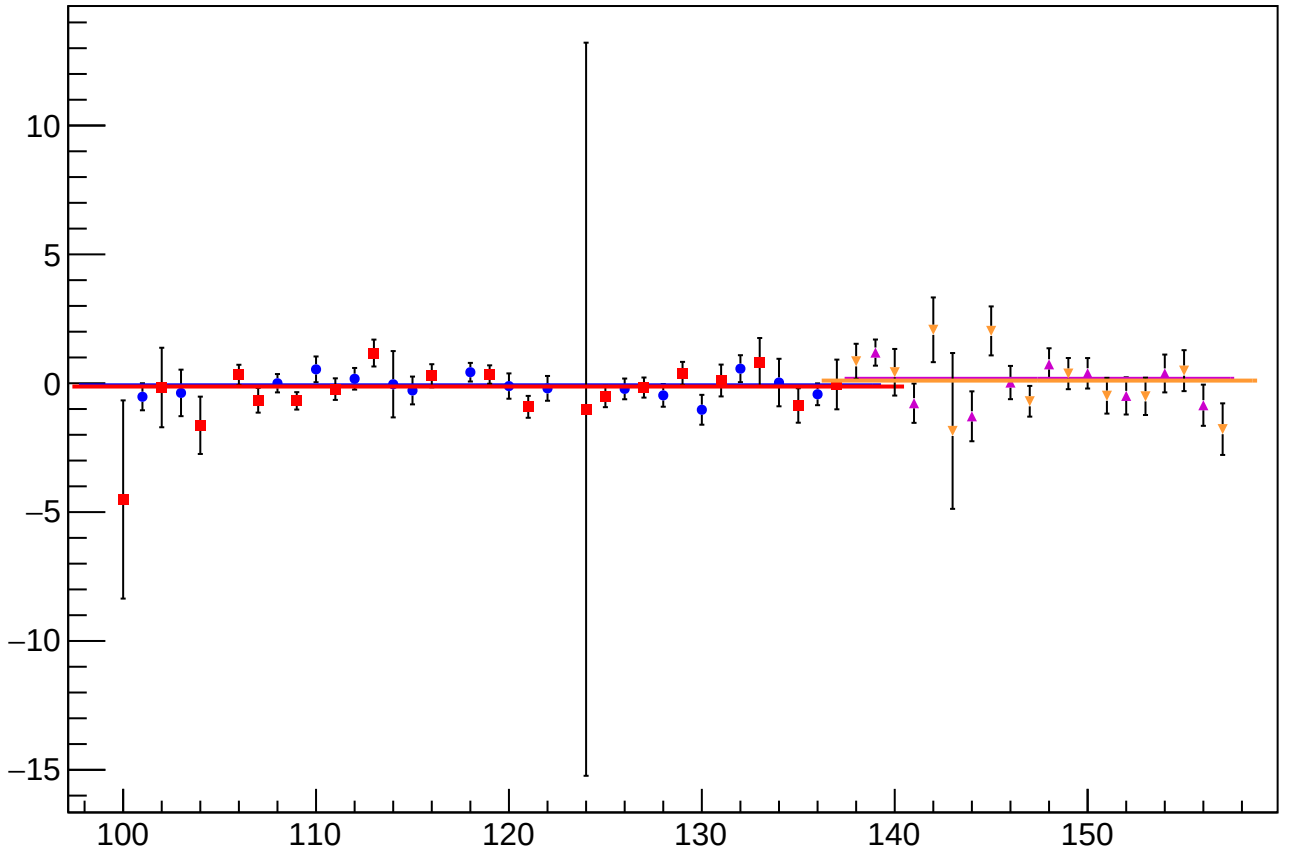
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 611.095+/-0.159 χ^2/NDF:541100.4/8

+ sign 383.481+/-0.077 χ^2/NDF: 6050394.5/26

All: 368.029+/-0.053 χ^2/NDF: 11862867.3/54

- sign 353.963+/-0.073 χ^2/NDF: 5735227.9/27



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.103+/-0.240 χ^2/NDF:15.5/10

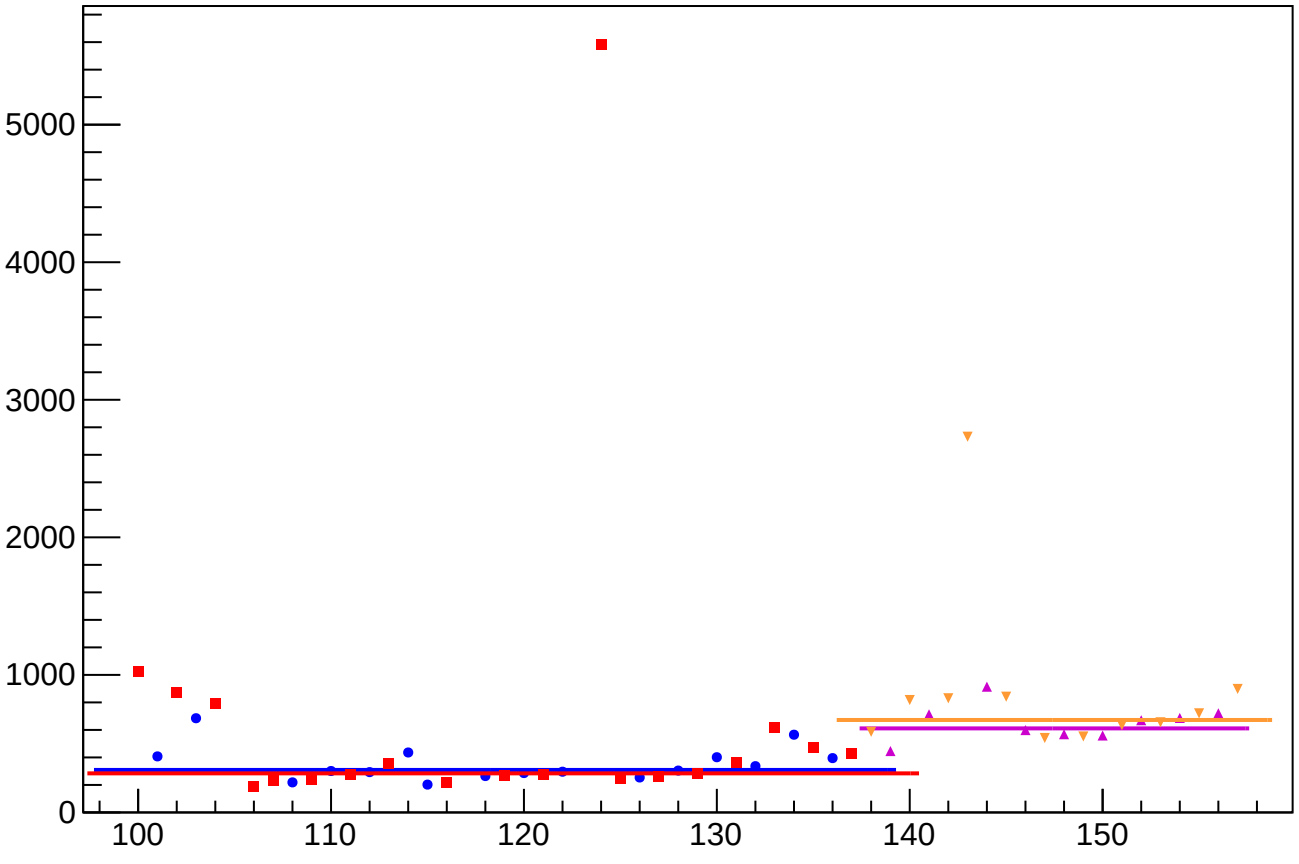
Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.172+/-0.224 χ^2/NDF:11.4/8

+ sign -0.043+/-0.109 χ^2/NDF: 26.8/26

All: -0.054+/-0.075 χ^2/NDF: 64.8/54

- sign -0.064+/-0.104 χ^2/NDF: 38.1/27



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 672.337+/-0.170 χ^2/NDF:1396896.2/10

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

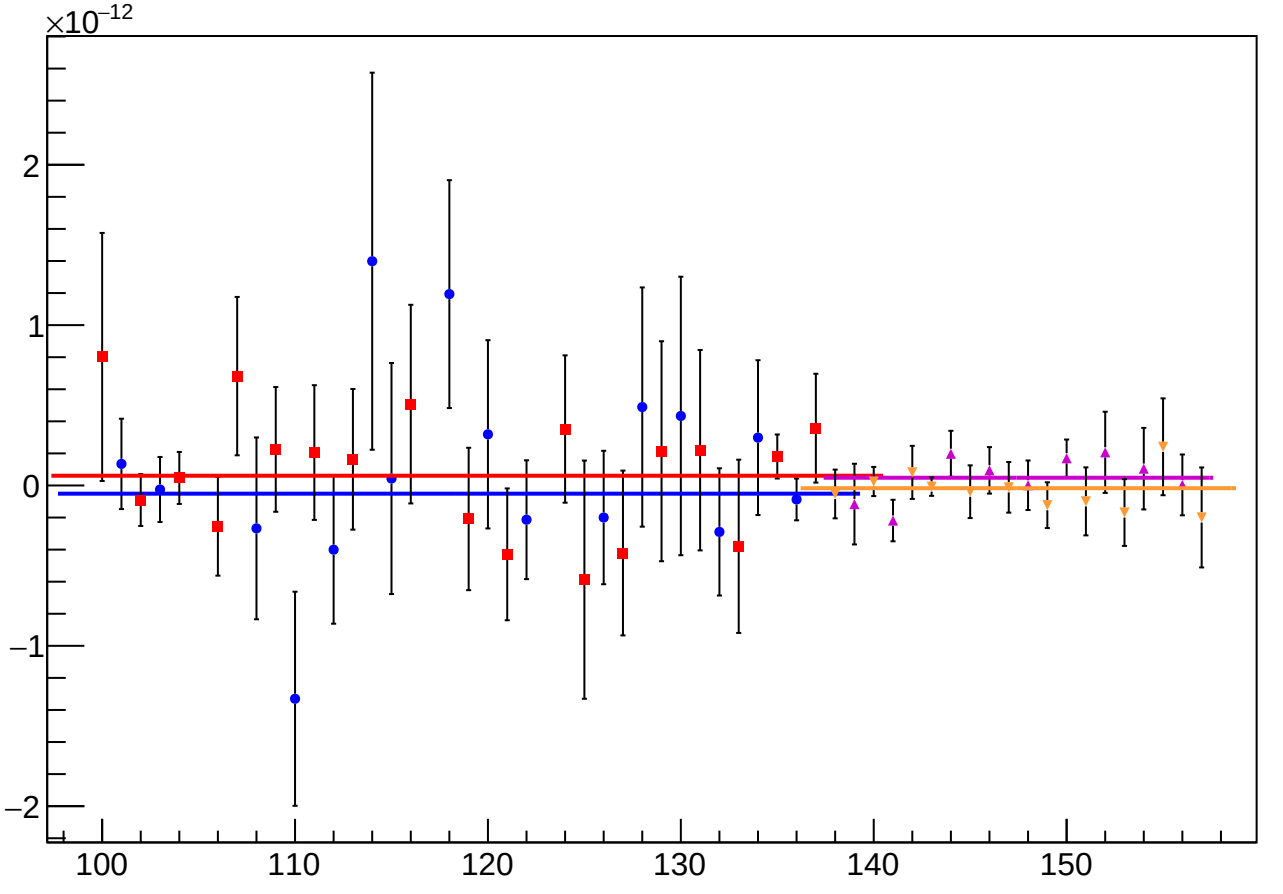
Left In: 611.095+/-0.159 χ^2/NDF:541100.4/8

+ sign 383.481+/-0.077 χ^2/NDF: 6050394.5/26

All: 368.029+/-0.053 χ^2/NDF: 11862867.3/54

- sign 353.963+/-0.073 χ^2/NDF: 5735227.9/27

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/10

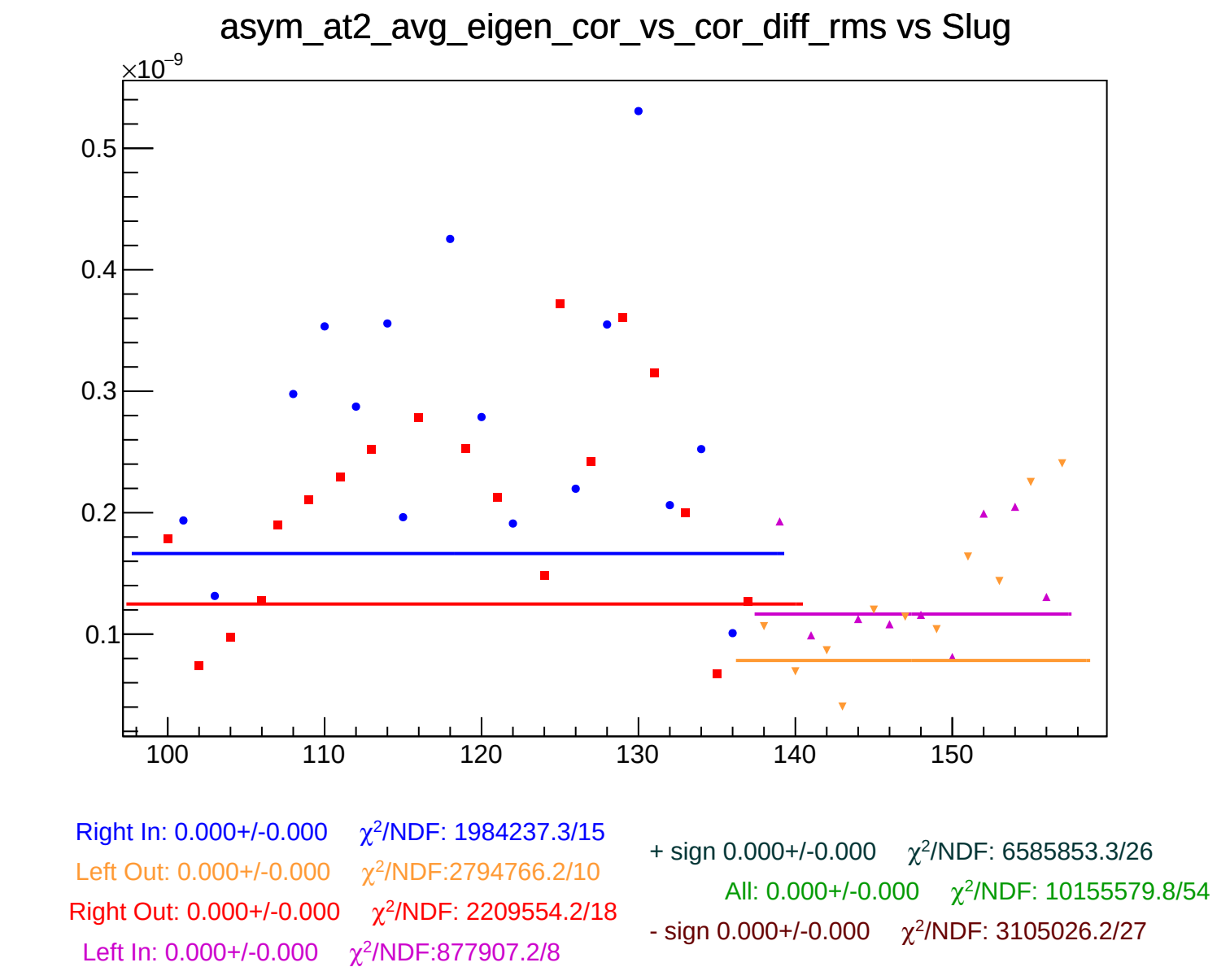
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

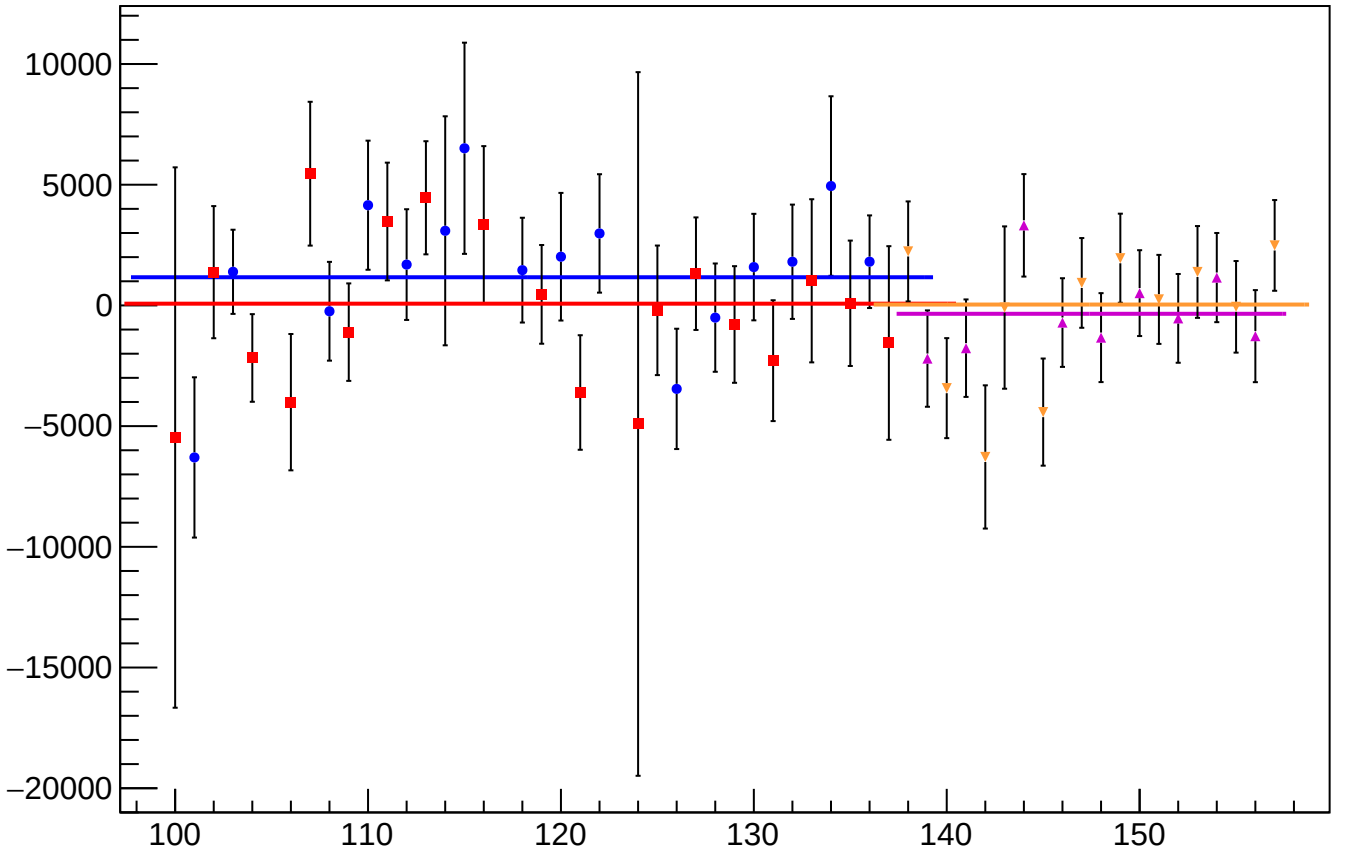
Left In: 0.000+/-0.000 χ^2/NDF:7.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 15.1/26

All: 0.000+/-0.000 χ^2/NDF: 36.0/54

- sign 0.000+/-0.000 χ^2/NDF: 19.0/27


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2794766.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:877907.2/8
+ sign 0.000+/-0.000 χ²/NDF: 6585853.3/26
All: 0.000+/-0.000 χ²/NDF: 10155579.8/54
- sign 0.000+/-0.000 χ²/NDF: 3105026.2/27



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.188+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

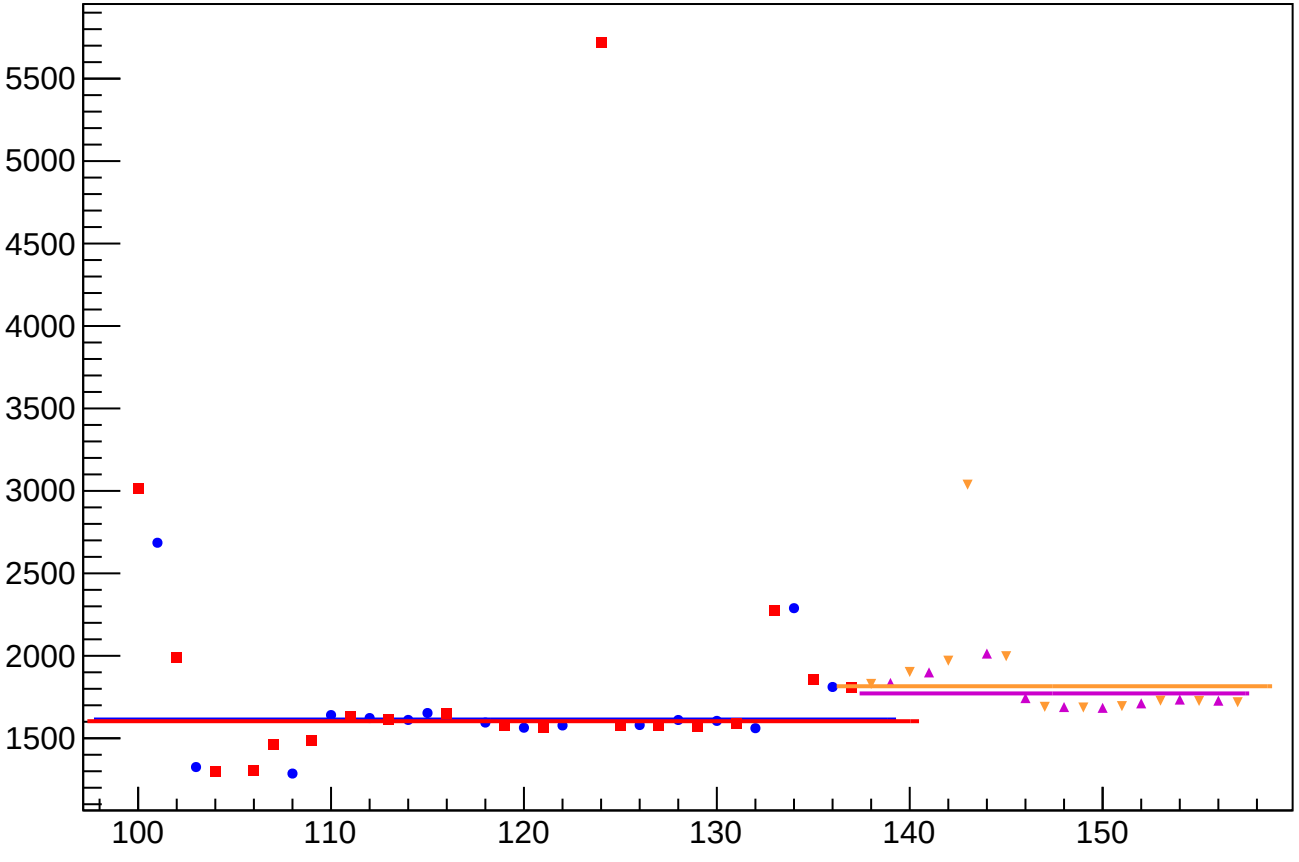
Left In: -347.037+/-633.789 χ^2/NDF:5.8/8

\+ sign 613.093+/-435.134 χ^2/NDF: 32.1/26

All: 244.570+/-308.345 χ^2/NDF: 57.9/54

\- sign -127.124+/-437.002 χ^2/NDF: 24.3/27

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

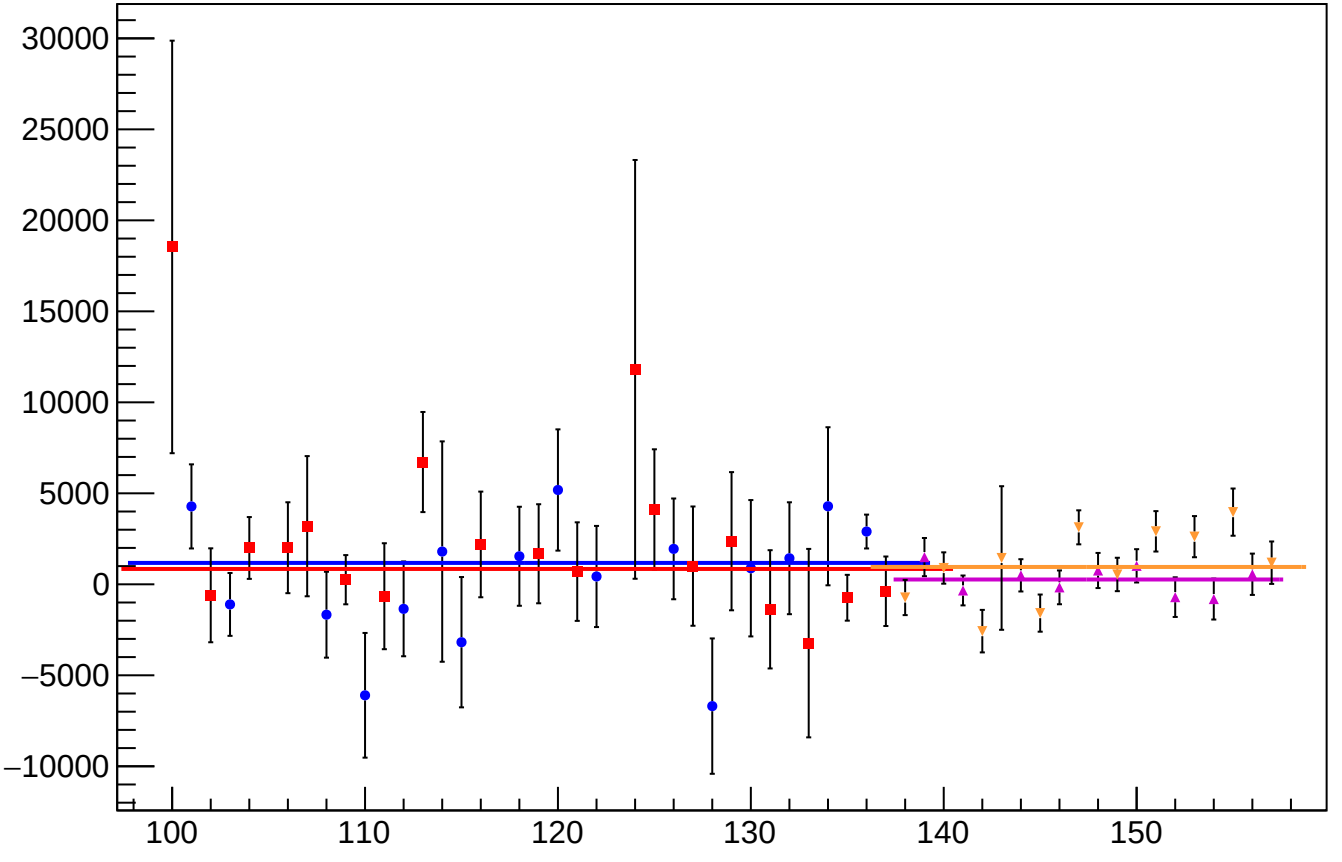
Left In: 1771.922+/-0.448 χ^2/NDF:49284.4/8

+ sign 1712.509+/-0.308 χ^2/NDF: 840362.6/26

All: 1698.092+/-0.218 χ^2/NDF: 1393969.5/54

- sign 1683.552+/-0.309 χ^2/NDF: 549197.4/27

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 953.281+/-325.699 χ^2/NDF:34.7/10

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

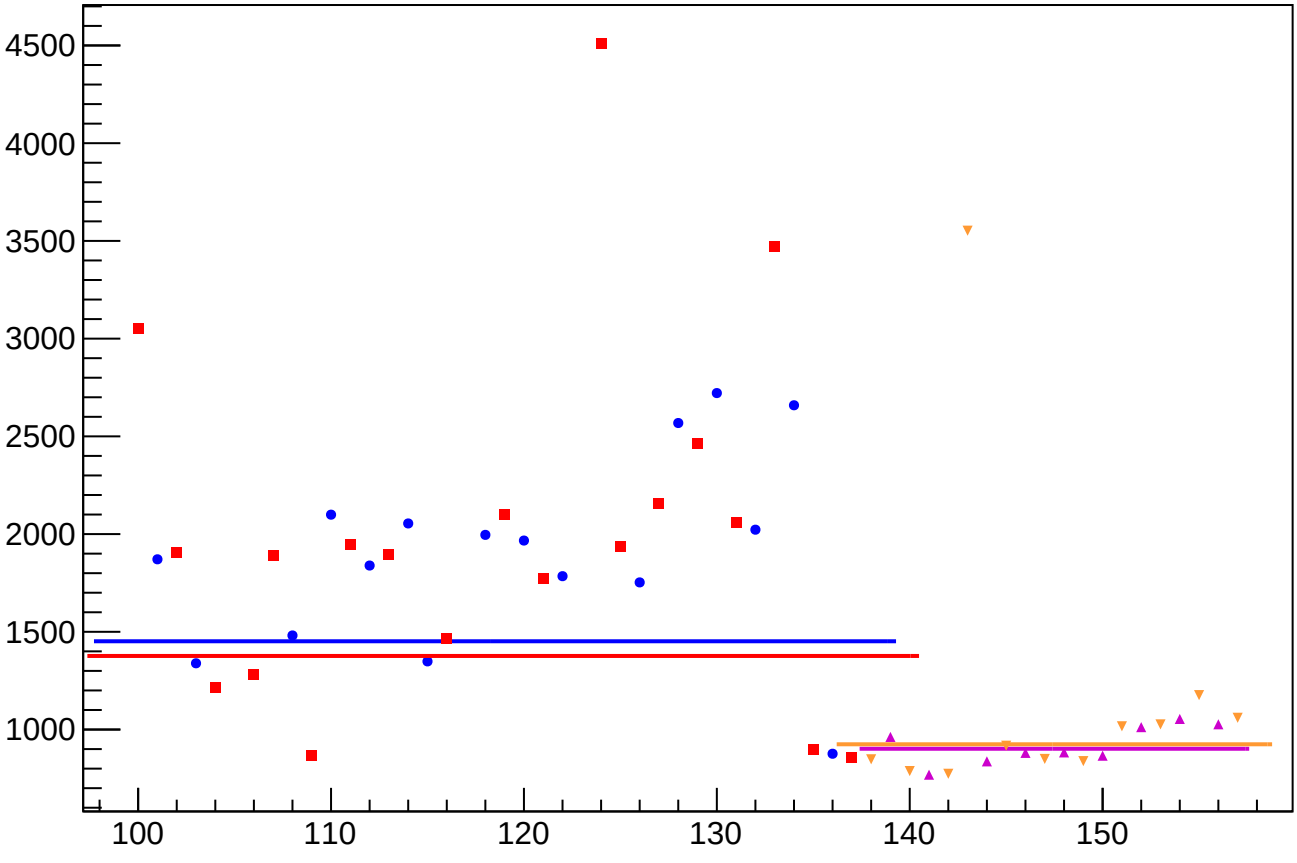
Left In: 264.107+/-324.450 χ^2/NDF:4.9/8

+ sign 1006.681+/-283.876 χ^2/NDF: 56.8/26

All: 705.086+/-199.494 χ^2/NDF: 79.0/54

- sign 410.809+/-280.411 χ^2/NDF: 20.0/27

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 924.550+/-0.230 χ^2/NDF:1146682.8/10

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

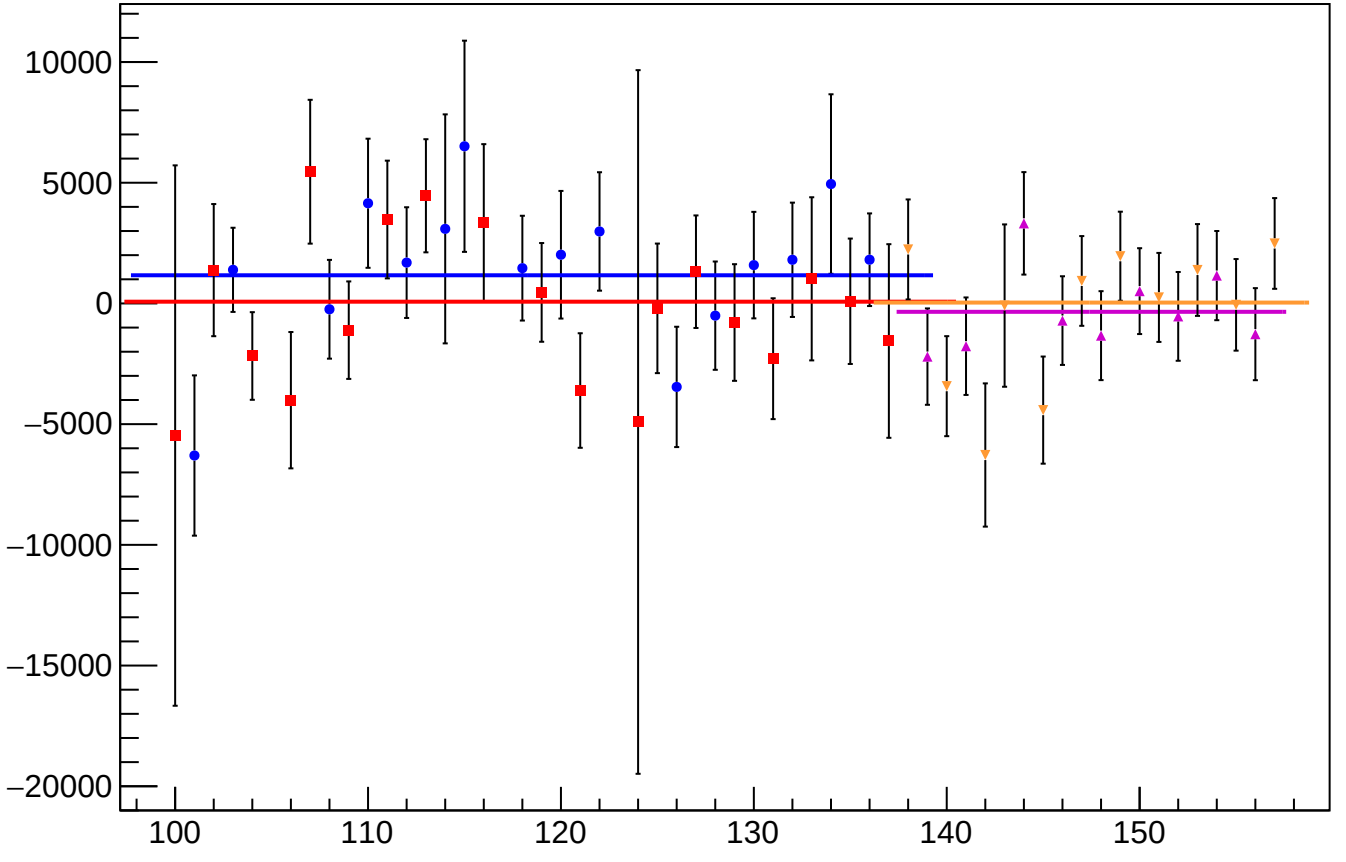
Left In: 901.676+/-0.229 χ^2/NDF:155990.3/8

+ sign 1051.223+/-0.201 χ^2/NDF: 4196330.9/26

All: 1036.341+/-0.141 χ^2/NDF: 7579012.1/54

- sign 1021.820+/-0.198 χ^2/NDF: 3371821.1/27

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.009+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

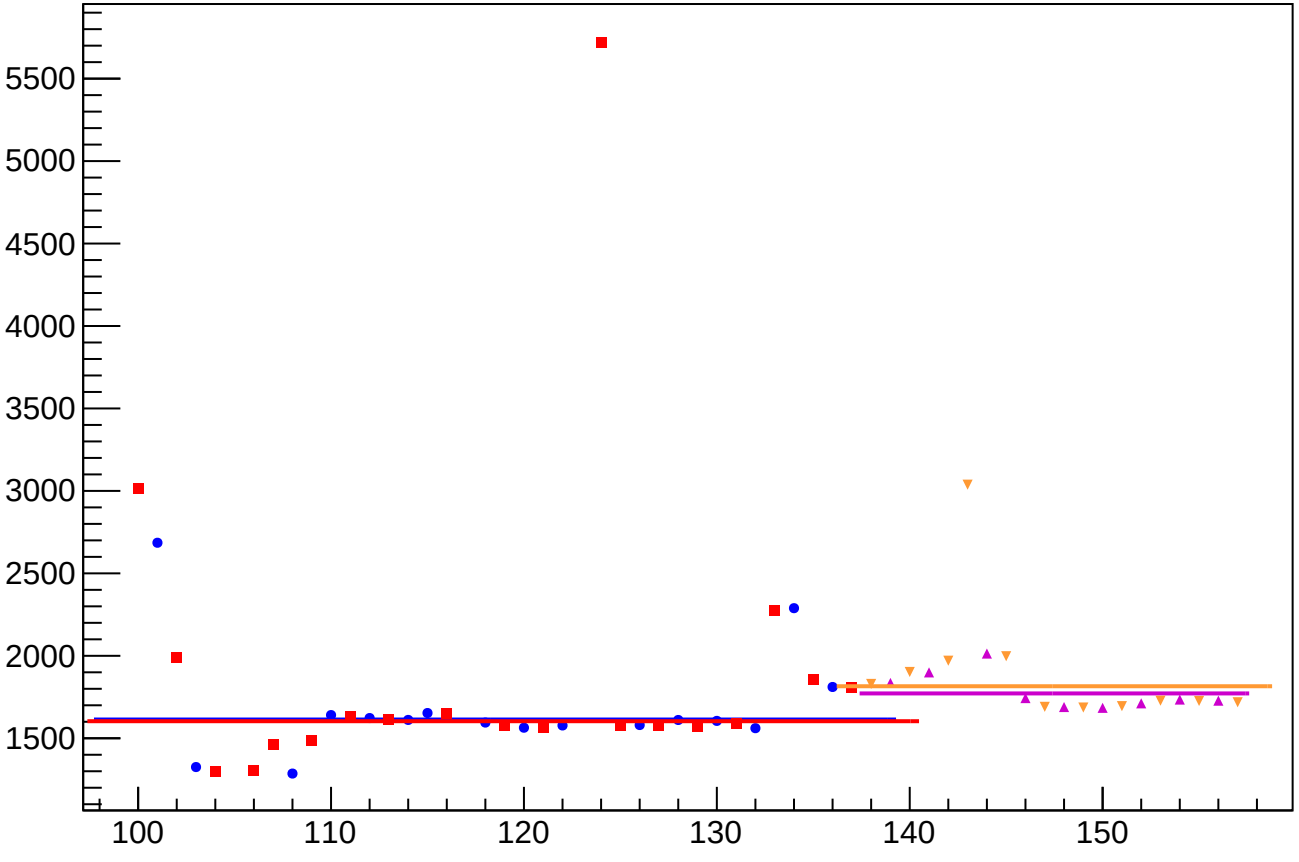
Left In: -346.992+/-633.789 χ^2/NDF:5.8/8

+ sign 612.958+/-435.134 χ^2/NDF: 32.1/26

All: 244.596+/-308.345 χ^2/NDF: 57.9/54

- sign -126.935+/-437.002 χ^2/NDF: 24.3/27

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

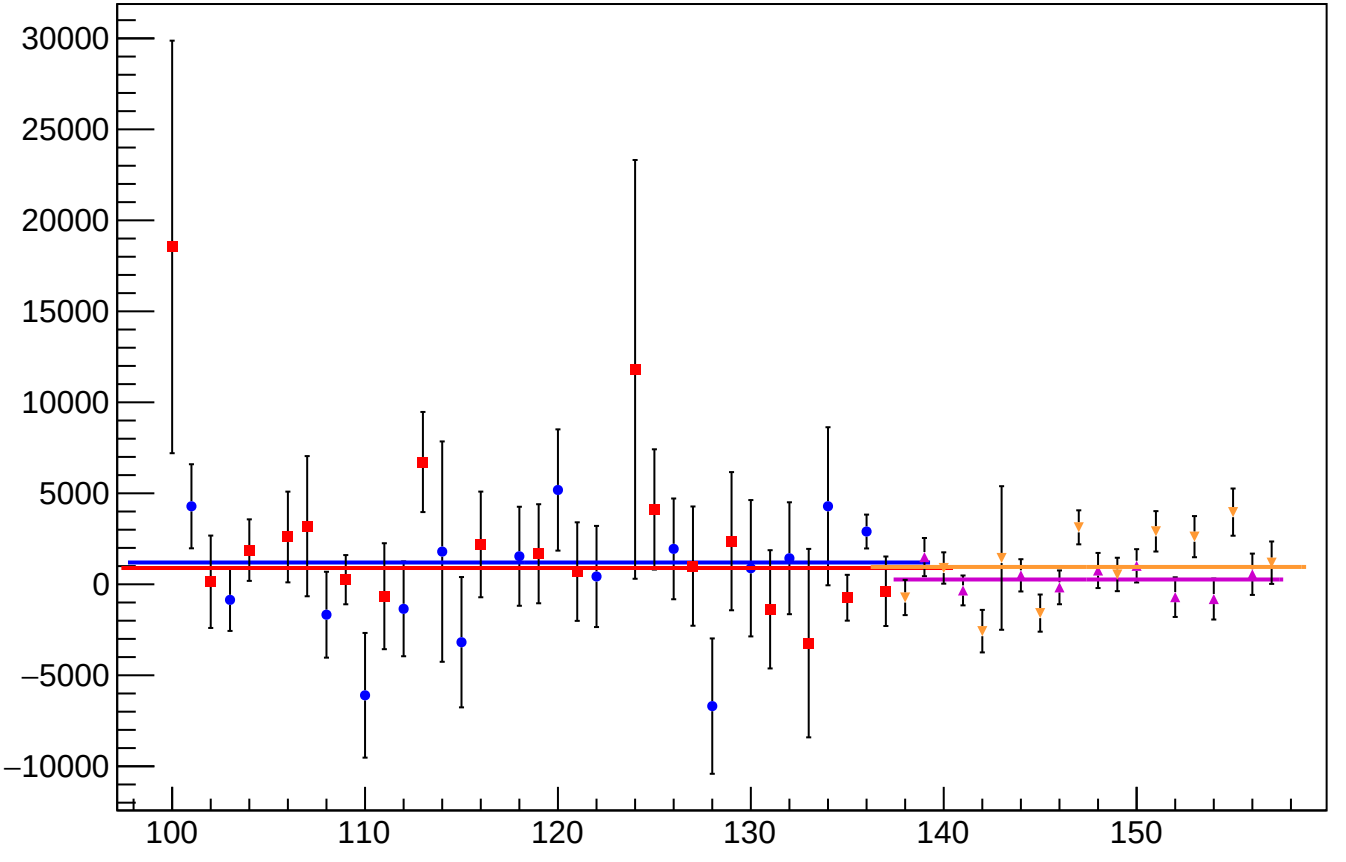
Left In: 1771.922+/-0.448 χ^2/NDF:49284.4/8

+ sign 1712.509+/-0.308 χ^2/NDF: 840363.0/26

All: 1698.092+/-0.218 χ^2/NDF: 1393970.1/54

- sign 1683.552+/-0.309 χ^2/NDF: 549197.5/27

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

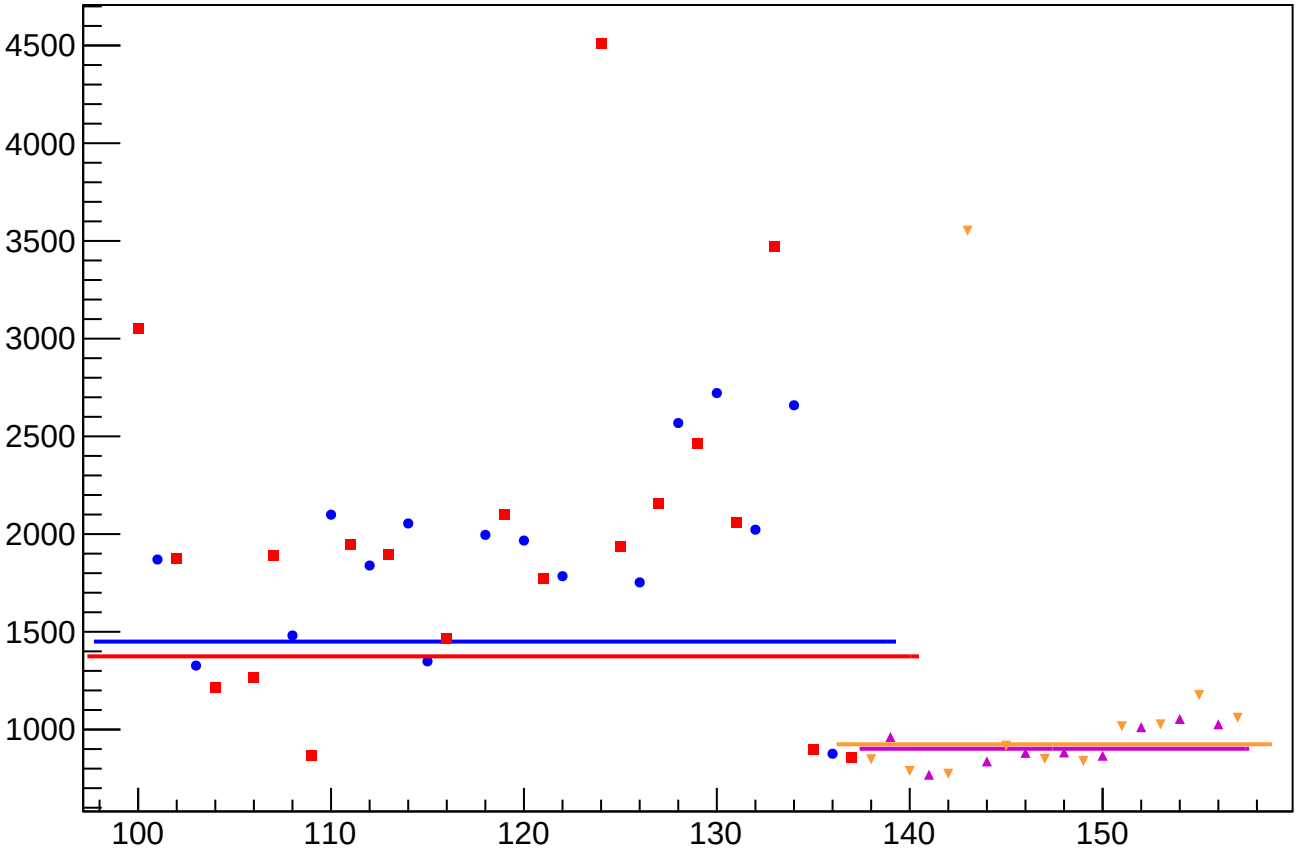
Left In: 264.103+/-324.449 χ^2/NDF:4.9/8

+ sign 1012.316+/-283.782 χ^2/NDF: 56.5/26

All: 714.638+/-199.426 χ^2/NDF: 78.7/54

- sign 424.195+/-280.312 χ^2/NDF: 20.1/27

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

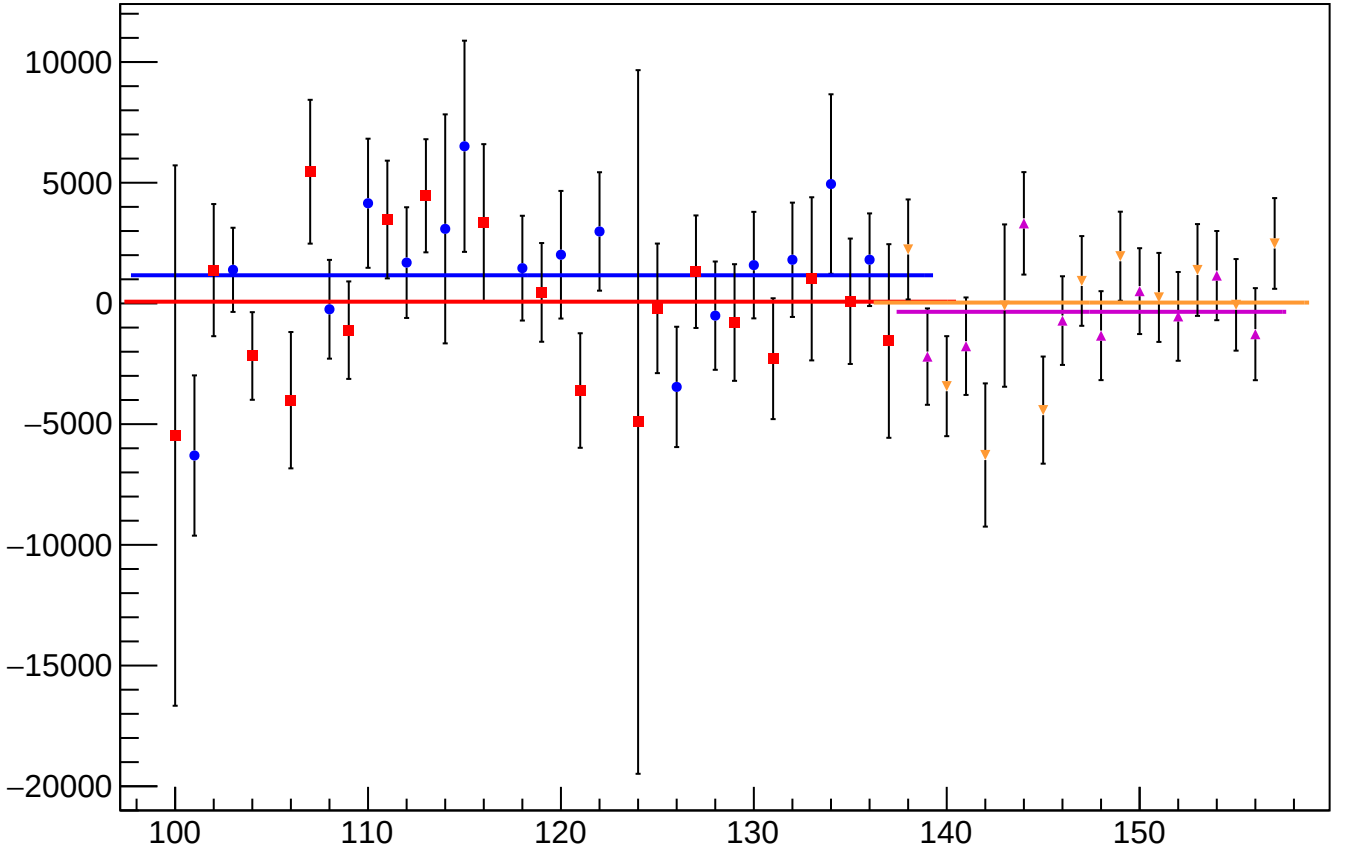
Left In: 901.673+/-0.229 χ^2/NDF:156024.4/8

+ sign 1051.102+/-0.201 χ^2/NDF: 4192632.0/26

All: 1036.145+/-0.141 χ^2/NDF: 7564093.4/54

- sign 1021.551+/-0.198 χ^2/NDF: 3360484.1/27

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 36.009+/-621.767 χ^2/NDF:16.0/10

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

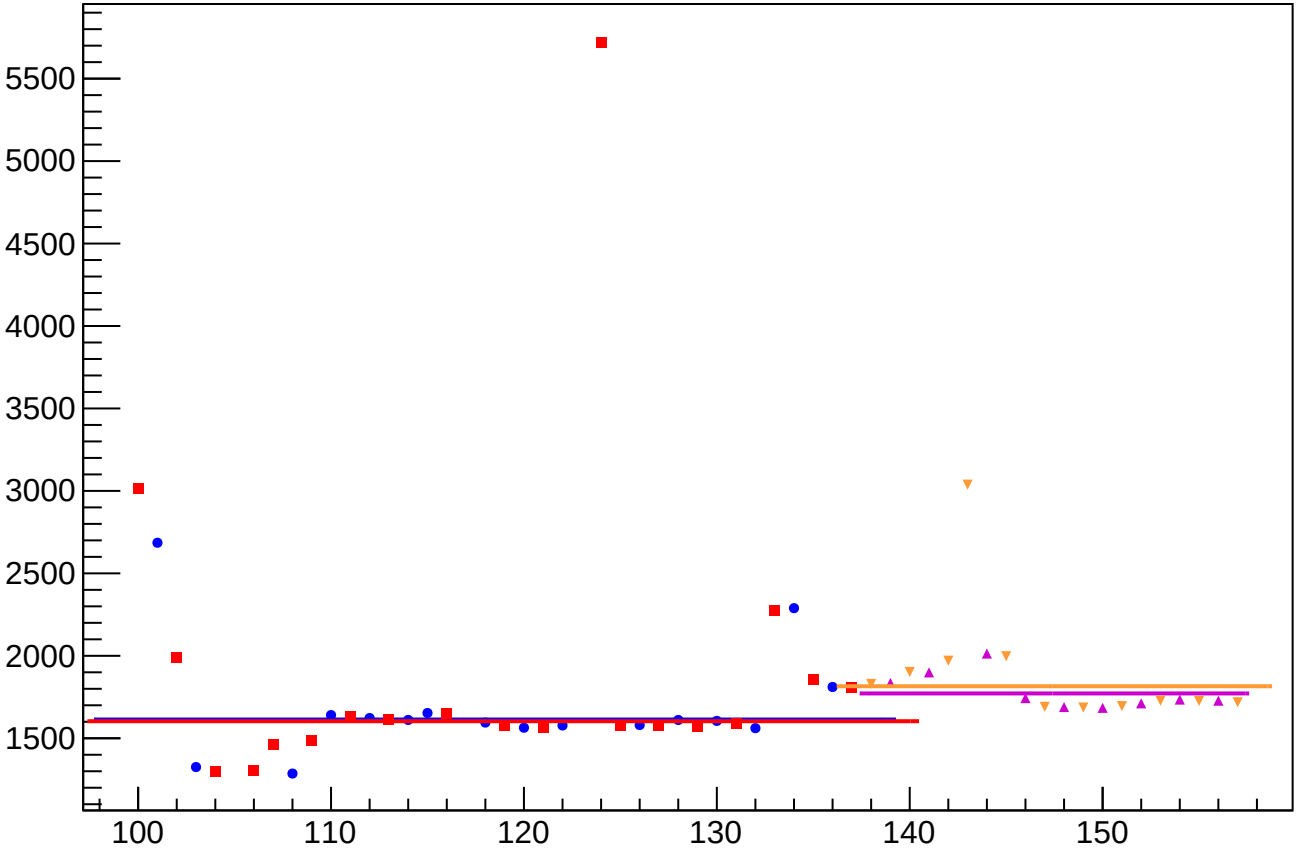
Left In: -346.992+/-633.789 χ^2/NDF:5.8/8

+ sign 612.958+/-435.134 χ^2/NDF: 32.1/26

All: 244.596+/-308.345 χ^2/NDF: 57.9/54

- sign -126.935+/-437.002 χ^2/NDF: 24.3/27

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1815.473+/-0.440 χ^2/NDF:328180.7/10

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

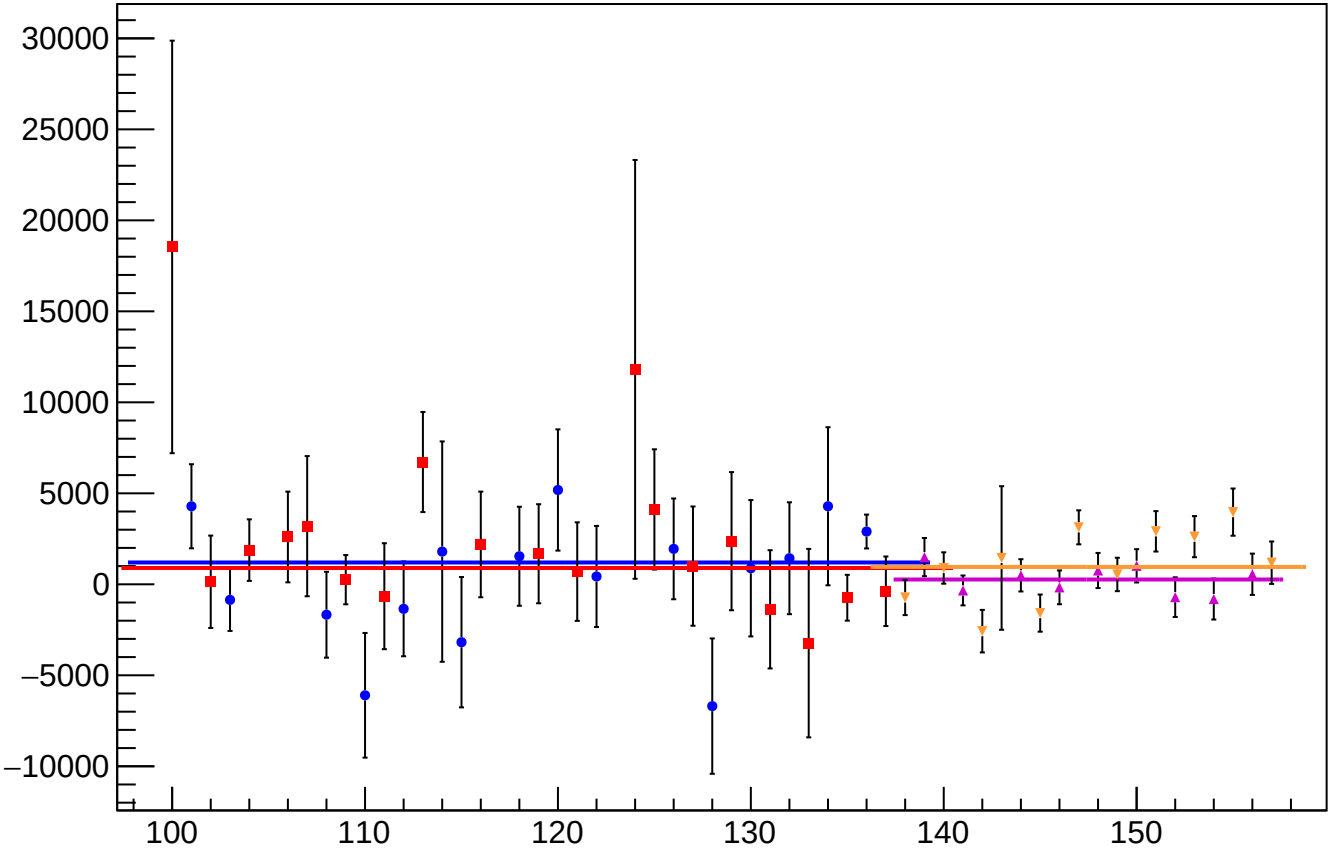
Left In: 1771.922+/-0.448 χ^2/NDF:49284.4/8

+ sign 1712.509+/-0.308 χ^2/NDF: 840363.0/26

All: 1698.092+/-0.218 χ^2/NDF: 1393970.1/54

- sign 1683.552+/-0.309 χ^2/NDF: 549197.5/27

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 953.297+/-325.703 χ^2/NDF:34.7/10

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

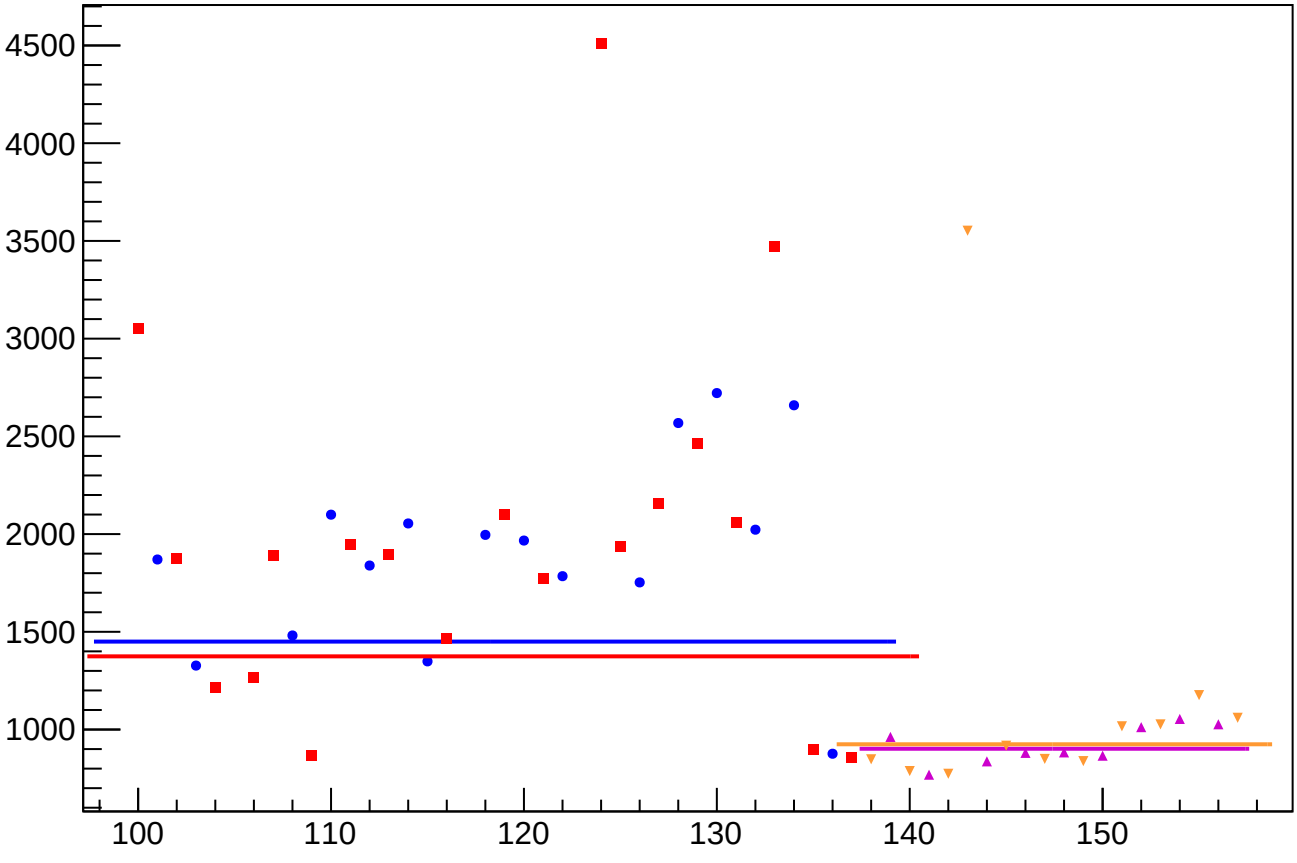
Left In: 264.103+/-324.449 χ^2/NDF:4.9/8

+ sign 1012.316+/-283.782 χ^2/NDF: 56.5/26

All: 714.638+/-199.426 χ^2/NDF: 78.7/54

- sign 424.195+/-280.312 χ^2/NDF: 20.1/27

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 924.564+/-0.230 χ^2/NDF:1146596.1/10

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

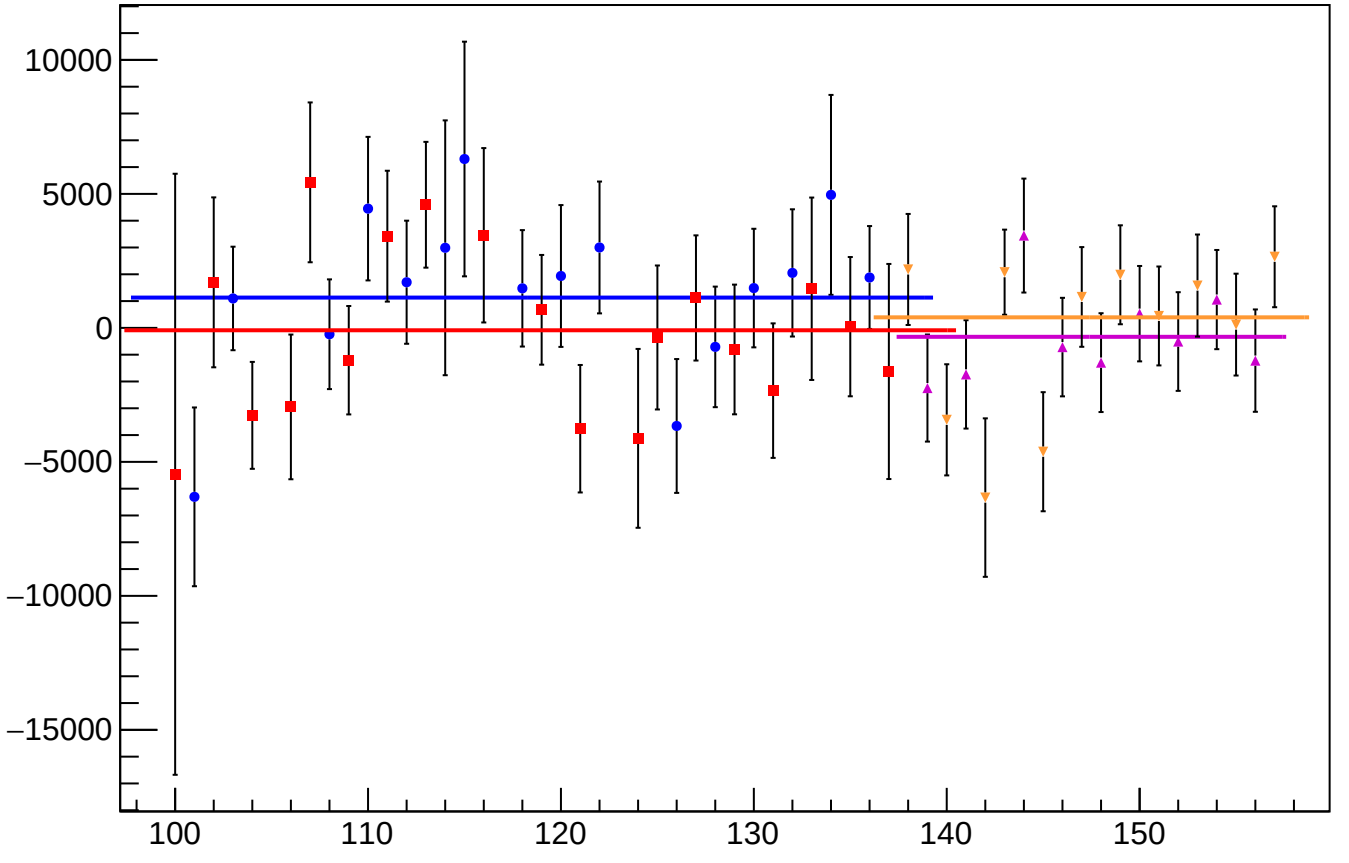
Left In: 901.673+/-0.229 χ^2/NDF:156024.4/8

+ sign 1051.102+/-0.201 χ^2/NDF: 4192632.0/26

All: 1036.145+/-0.141 χ^2/NDF: 7564093.4/54

- sign 1021.551+/-0.198 χ^2/NDF: 3360484.1/27

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.468+/-588.311 χ^2/NDF:18.3/10

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

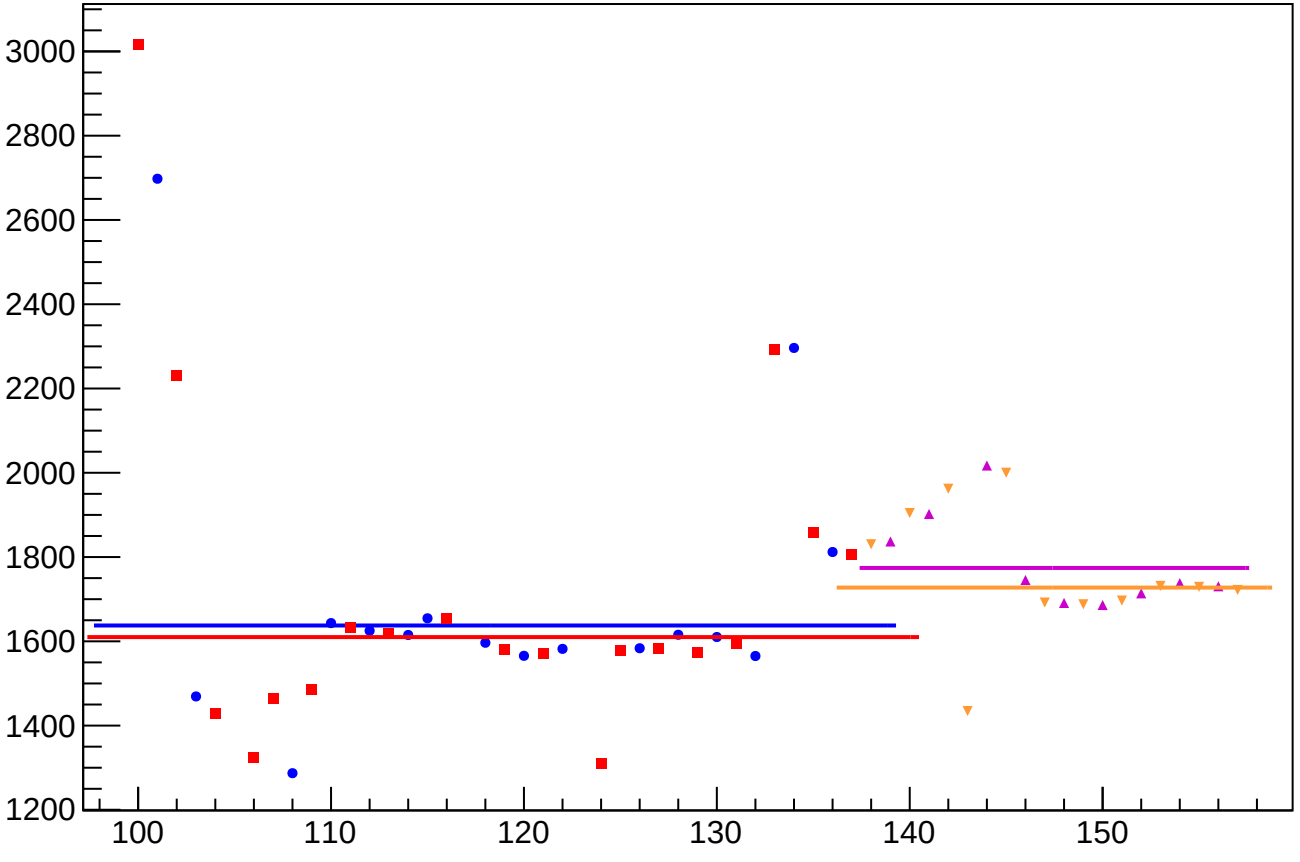
Left In: -333.470+/-634.591 χ^2/NDF:5.9/8

+ sign 744.418+/-425.857 χ^2/NDF: 34.0/26

All: 282.073+/-305.042 χ^2/NDF: 63.1/54

- sign -205.129+/-437.154 χ^2/NDF: 26.7/27

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.537+/-0.416 χ^2/NDF:132462.2/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

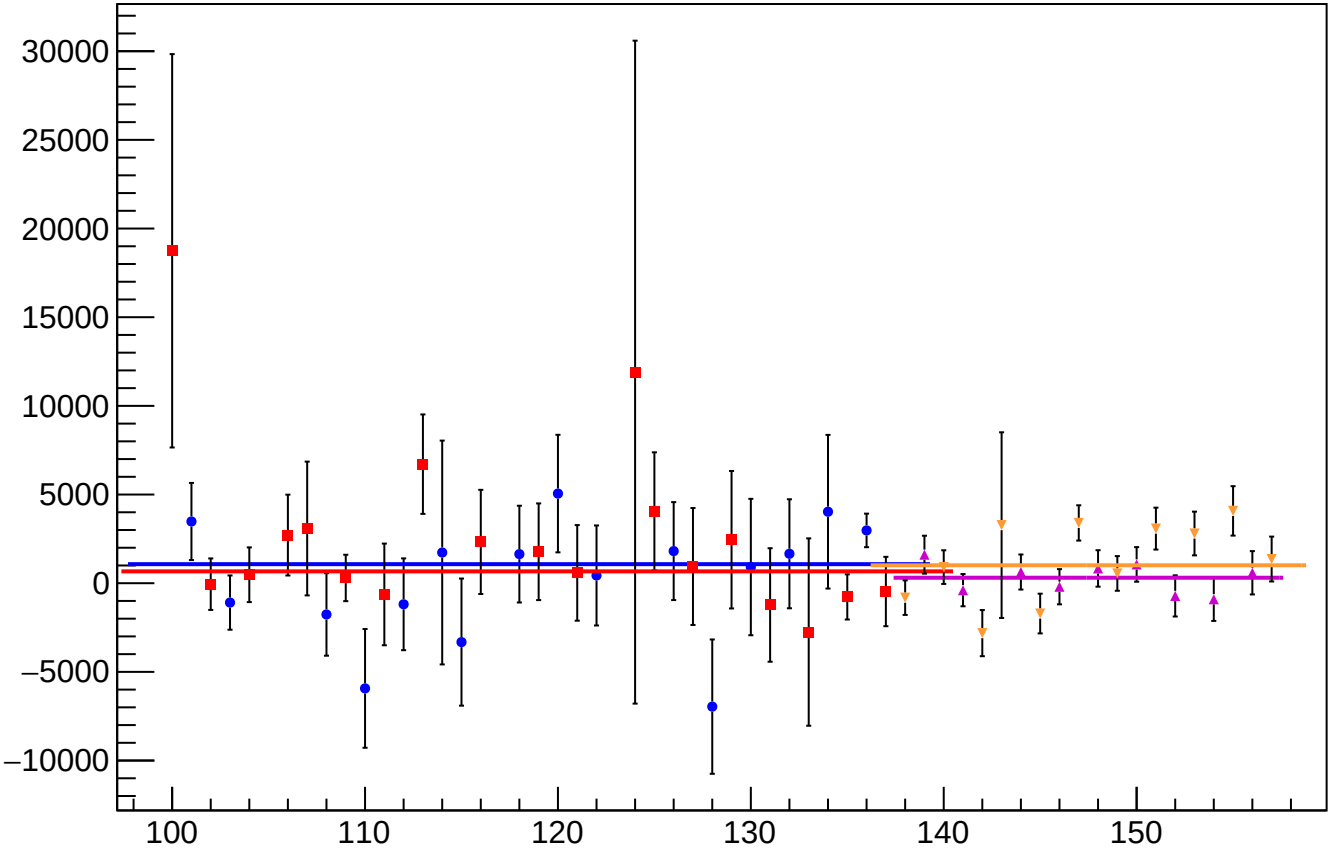
Left In: 1774.141+/-0.449 χ^2/NDF:49511.3/8

+ sign 1684.713+/-0.301 χ^2/NDF: 516141.6/26

All: 1686.272+/-0.216 χ^2/NDF: 916791.9/54

- sign 1687.915+/-0.309 χ^2/NDF: 400595.2/27

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1011.378+/-349.996 χ^2/NDF:34.4/10

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

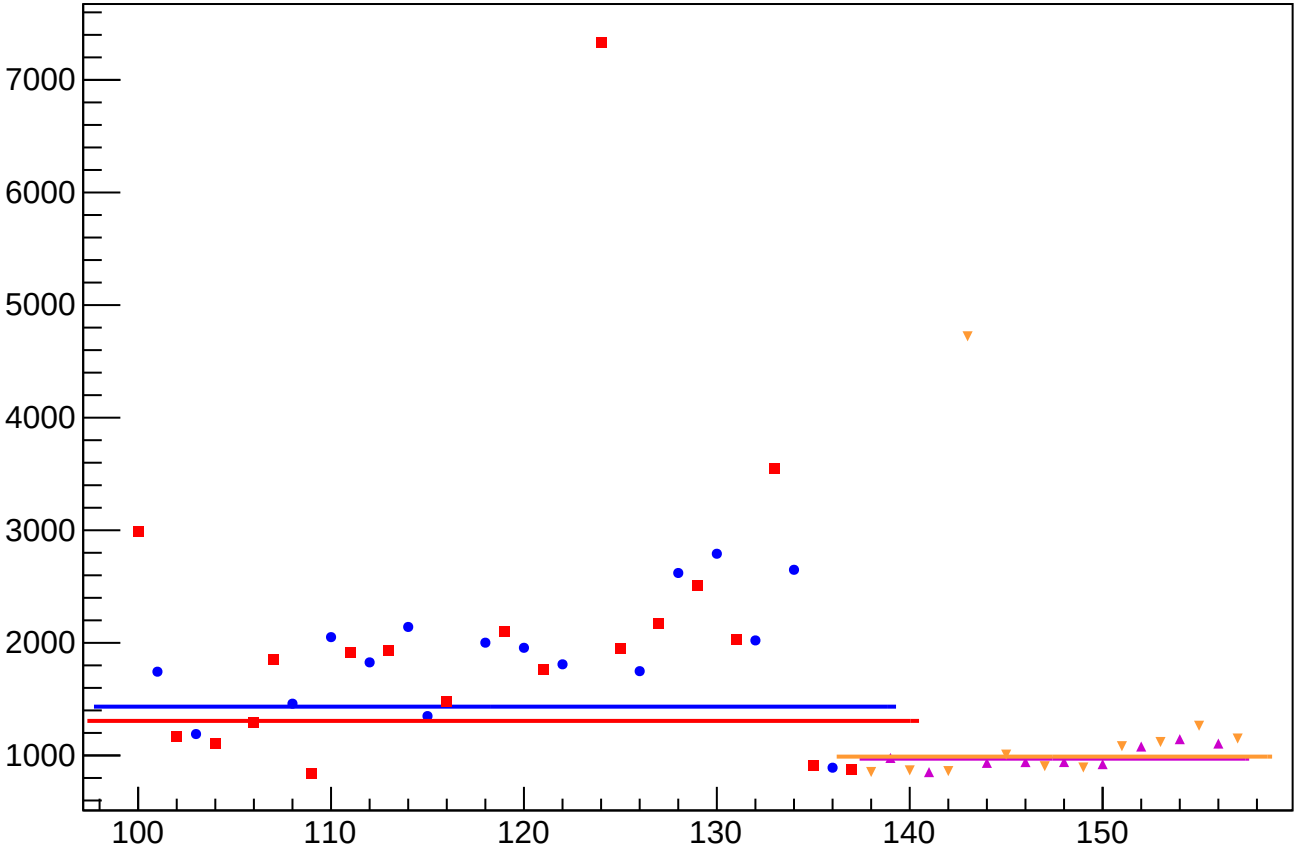
Left In: 308.815+/-349.185 χ^2/NDF:5.1/8

+ sign 1028.345+/-298.487 χ^2/NDF: 56.4/26

All: 715.579+/-208.177 χ^2/NDF: 77.5/54

- sign 419.353+/-290.488 χ^2/NDF: 19.0/27

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 989.657+/-0.247 χ^2/NDF:1287775.4/10

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

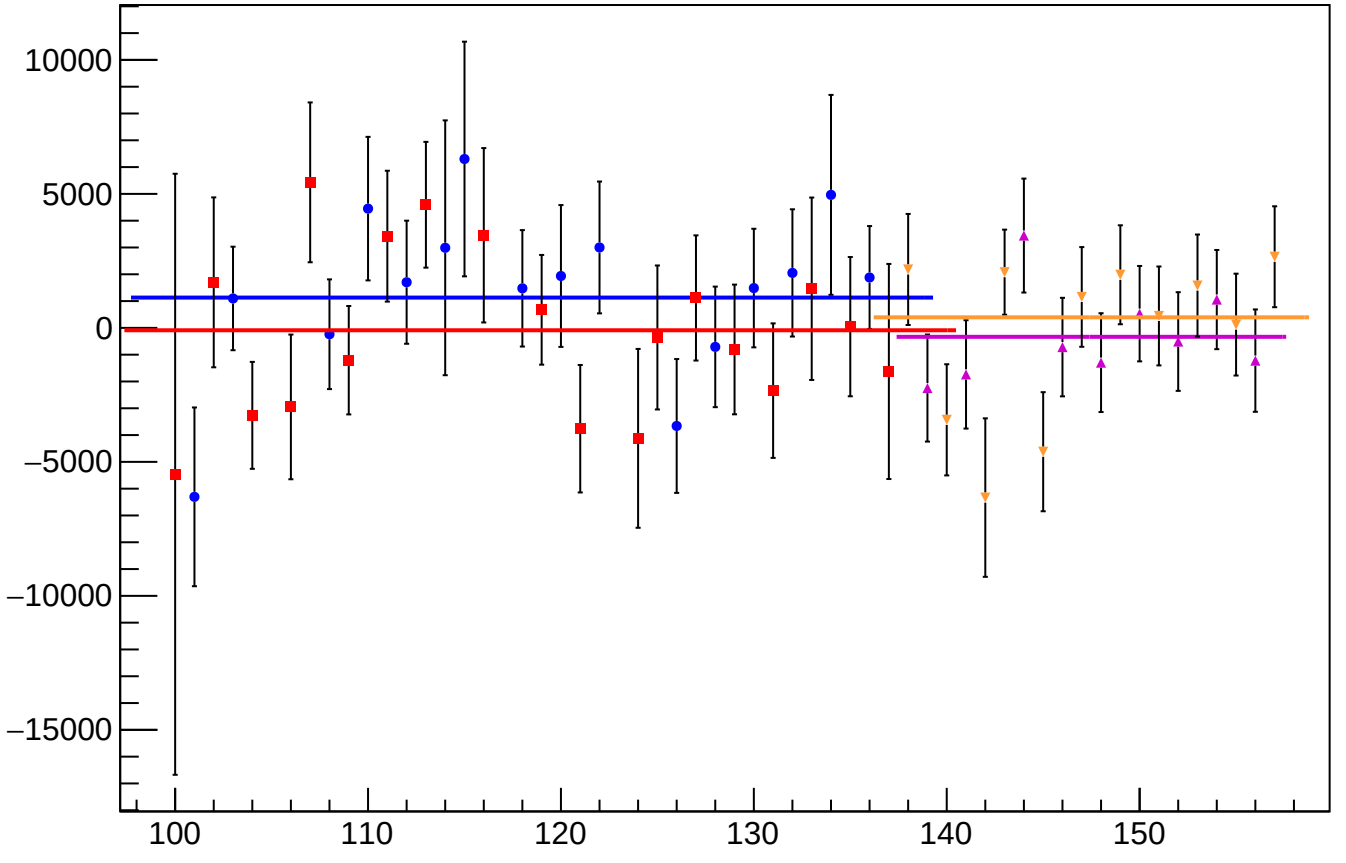
Left In: 971.376+/-0.247 χ^2/NDF:127468.2/8

+ sign 1110.678+/-0.211 χ^2/NDF: 3928208.6/26

All: 1092.193+/-0.147 χ^2/NDF: 6823033.0/54

- sign 1074.686+/-0.205 χ^2/NDF: 2879889.2/27

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 393.459+/-588.311 χ^2/NDF:18.3/10

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

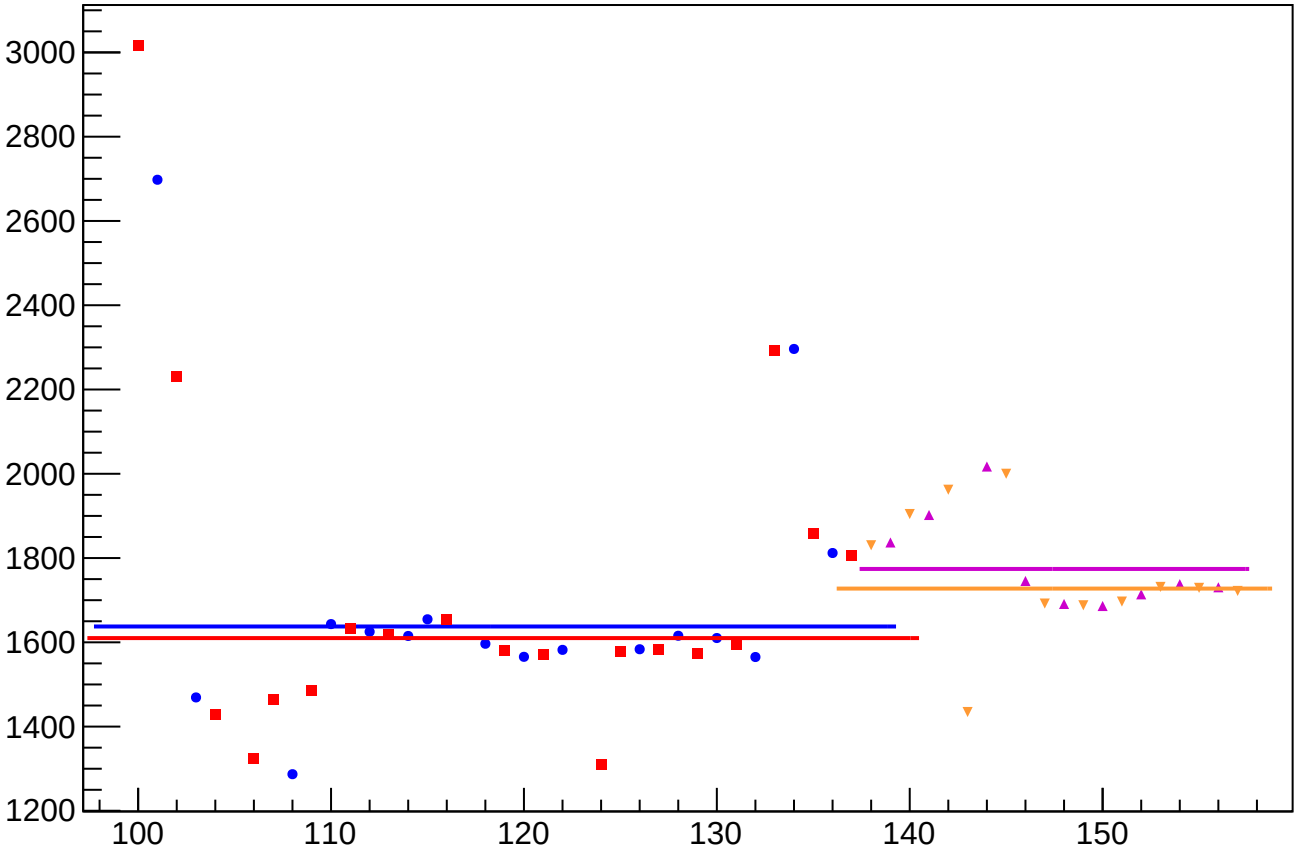
Left In: -333.464+/-634.591 χ^2/NDF:5.9/8

+ sign 744.414+/-425.857 χ^2/NDF: 34.0/26

All: 282.070+/-305.042 χ^2/NDF: 63.1/54

- sign -205.129+/-437.154 χ^2/NDF: 26.7/27

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.538+/-0.416 χ^2/NDF:132461.1/10

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

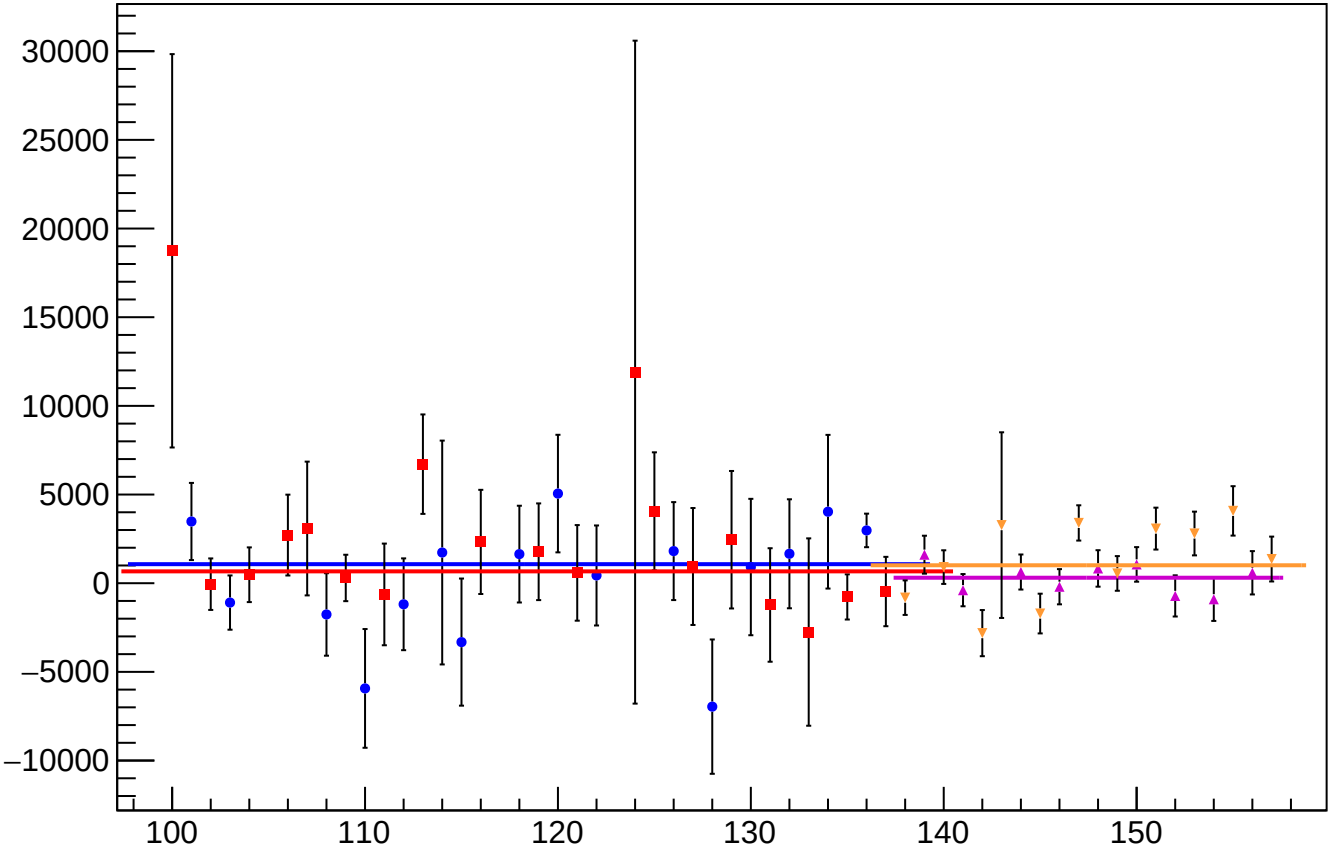
Left In: 1774.141+/-0.449 χ^2/NDF:49511.4/8

+ sign 1684.713+/-0.301 χ^2/NDF: 516140.6/26

All: 1686.272+/-0.216 χ^2/NDF: 916791.2/54

- sign 1687.915+/-0.309 χ^2/NDF: 400595.6/27

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1011.394+/-349.998 χ^2/NDF:34.4/10

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

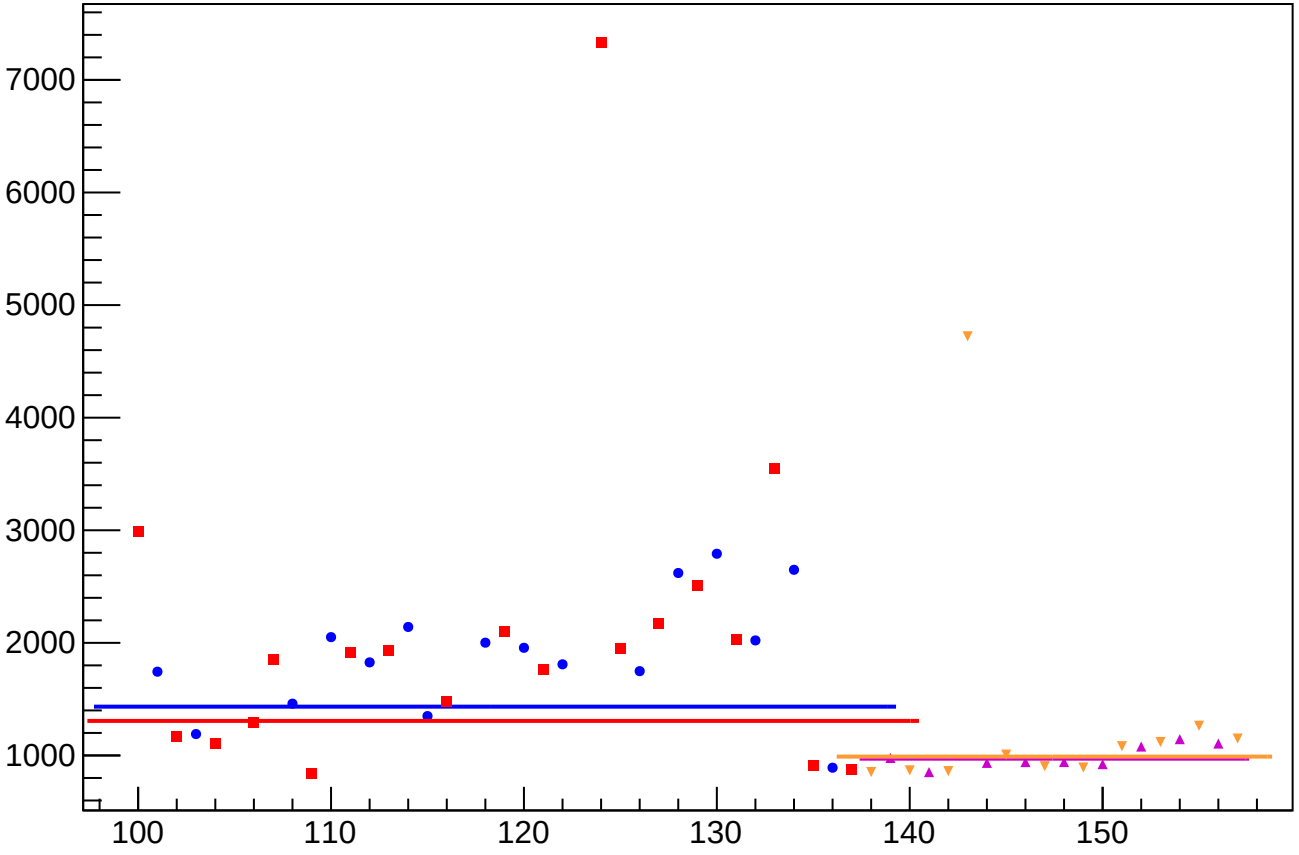
Left In: 308.817+/-349.185 χ^2/NDF:5.1/8

+ sign 1028.353+/-298.489 χ^2/NDF: 56.4/26

All: 715.584+/-208.177 χ^2/NDF: 77.5/54

- sign 419.356+/-290.489 χ^2/NDF: 19.0/27

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 989.662+/-0.247 χ^2/NDF:1287753.8/10

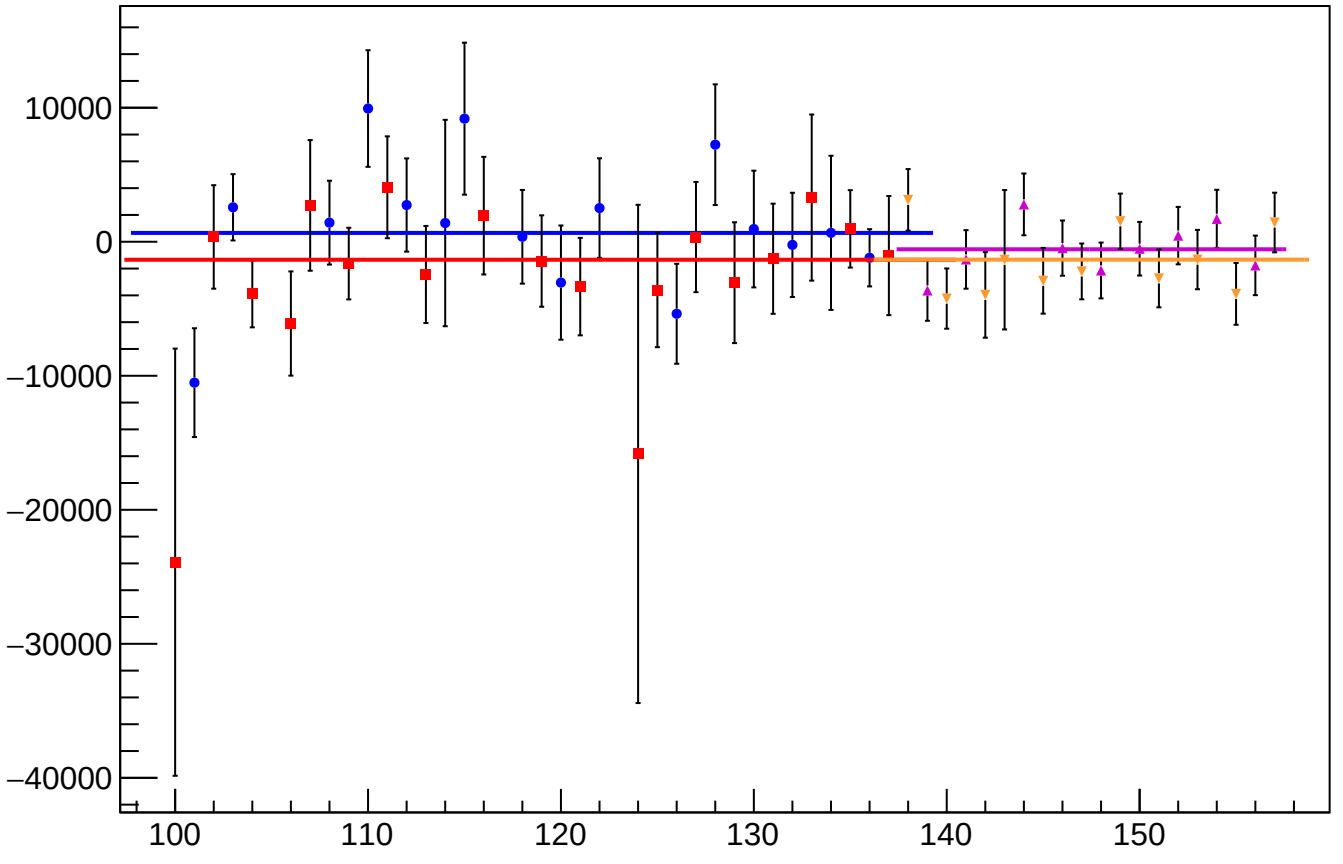
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 971.377+/-0.247 χ^2/NDF:127467.8/8

+ sign 1110.686+/-0.211 χ^2/NDF: 3928122.5/26

All: 1092.199+/-0.147 χ^2/NDF: 6822913.5/54

- sign 1074.689+/-0.205 χ^2/NDF: 2879852.9/27



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1334.048+/-713.696 χ^2/NDF:11.8/10

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

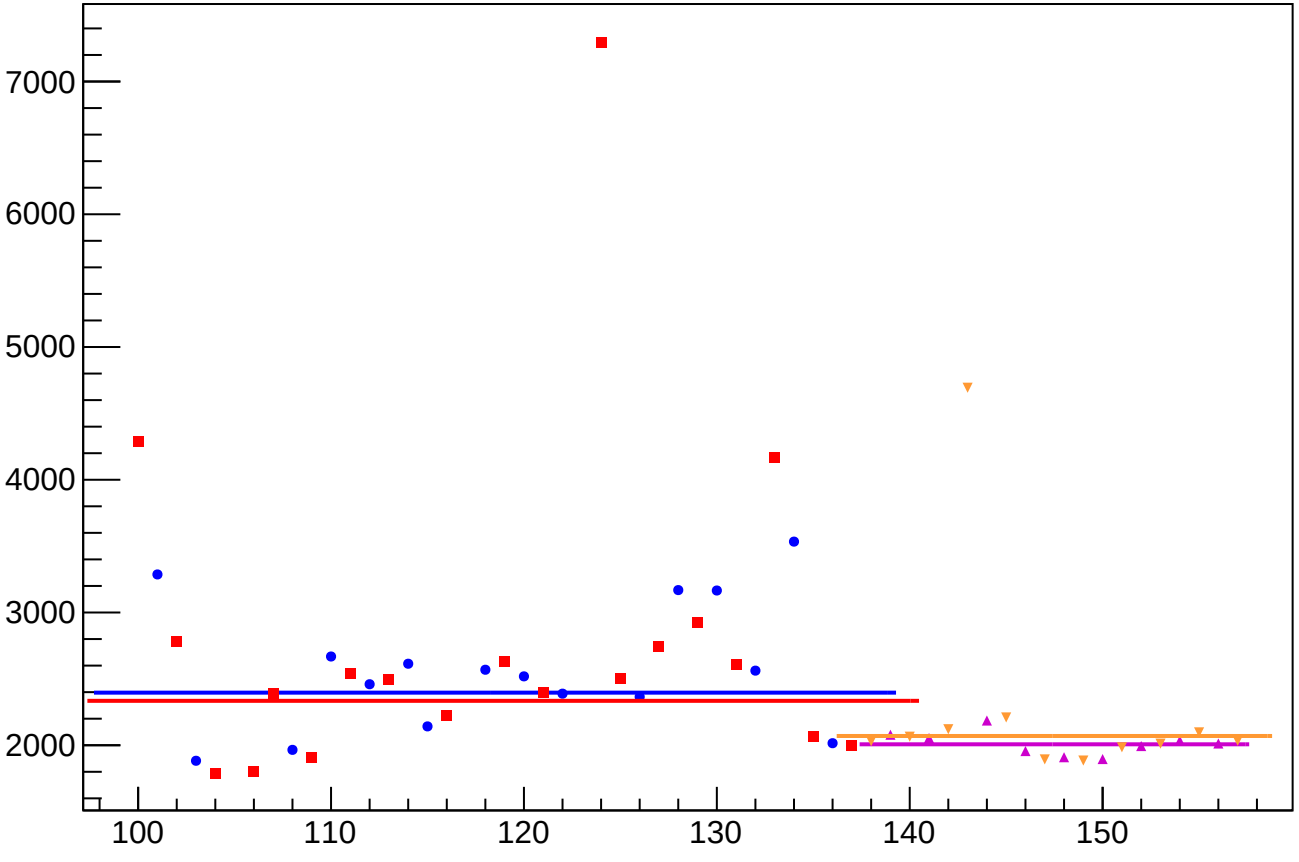
Left In: -561.805+/-717.479 χ^2/NDF:6.3/8

+ sign -574.392+/-561.482 χ^2/NDF: 36.8/26

All: -722.363+/-396.047 χ^2/NDF: 54.5/54

- sign -868.880+/-558.718 χ^2/NDF: 17.6/27

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2069.812+/-0.505 χ^2/NDF:552201.4/10

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

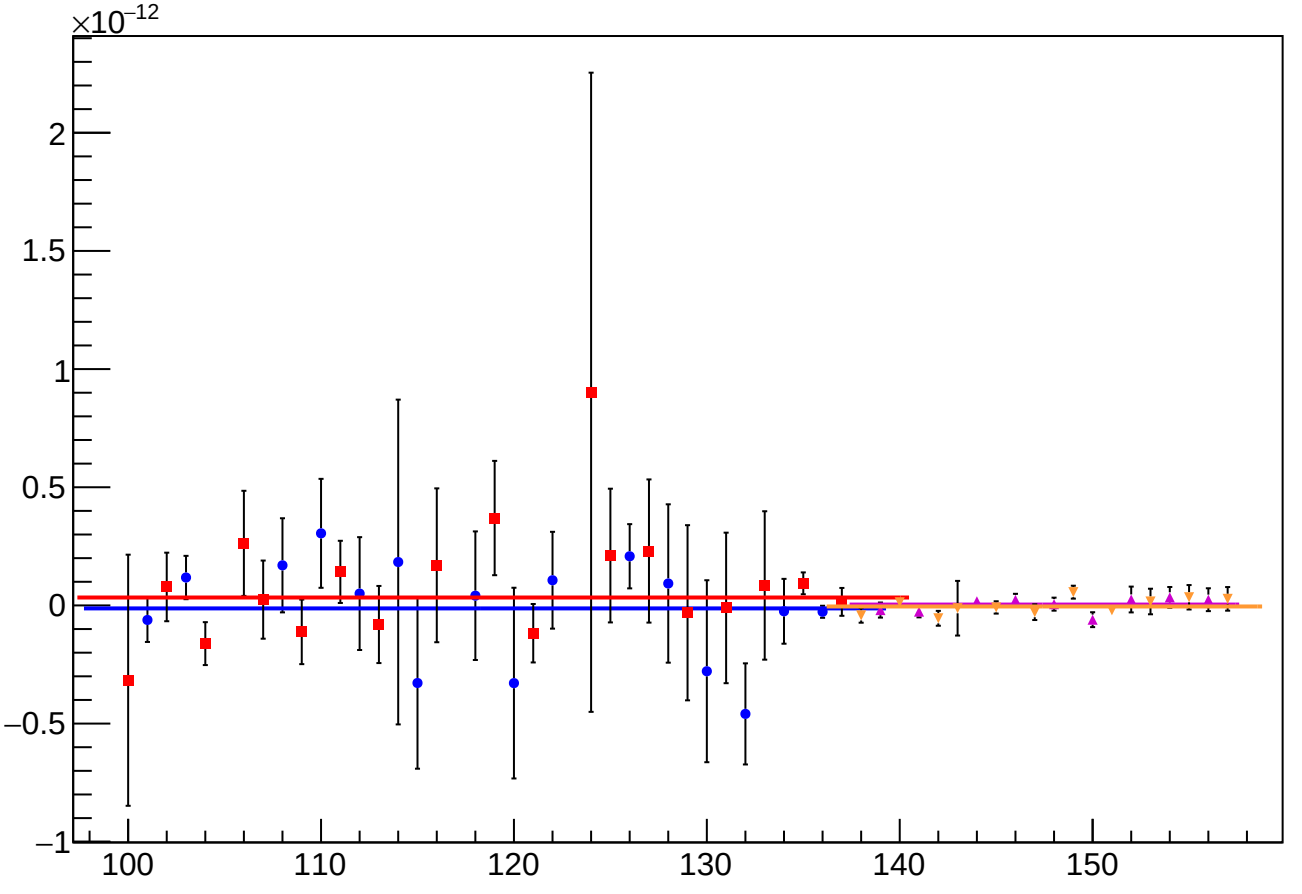
Left In: 2007.113+/-0.507 χ^2/NDF:27224.4/8

+ sign 2194.216+/-0.397 χ^2/NDF: 1219566.4/26

All: 2164.968+/-0.280 χ^2/NDF: 2103154.1/54

- sign 2136.007+/-0.395 χ^2/NDF: 872786.8/27

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

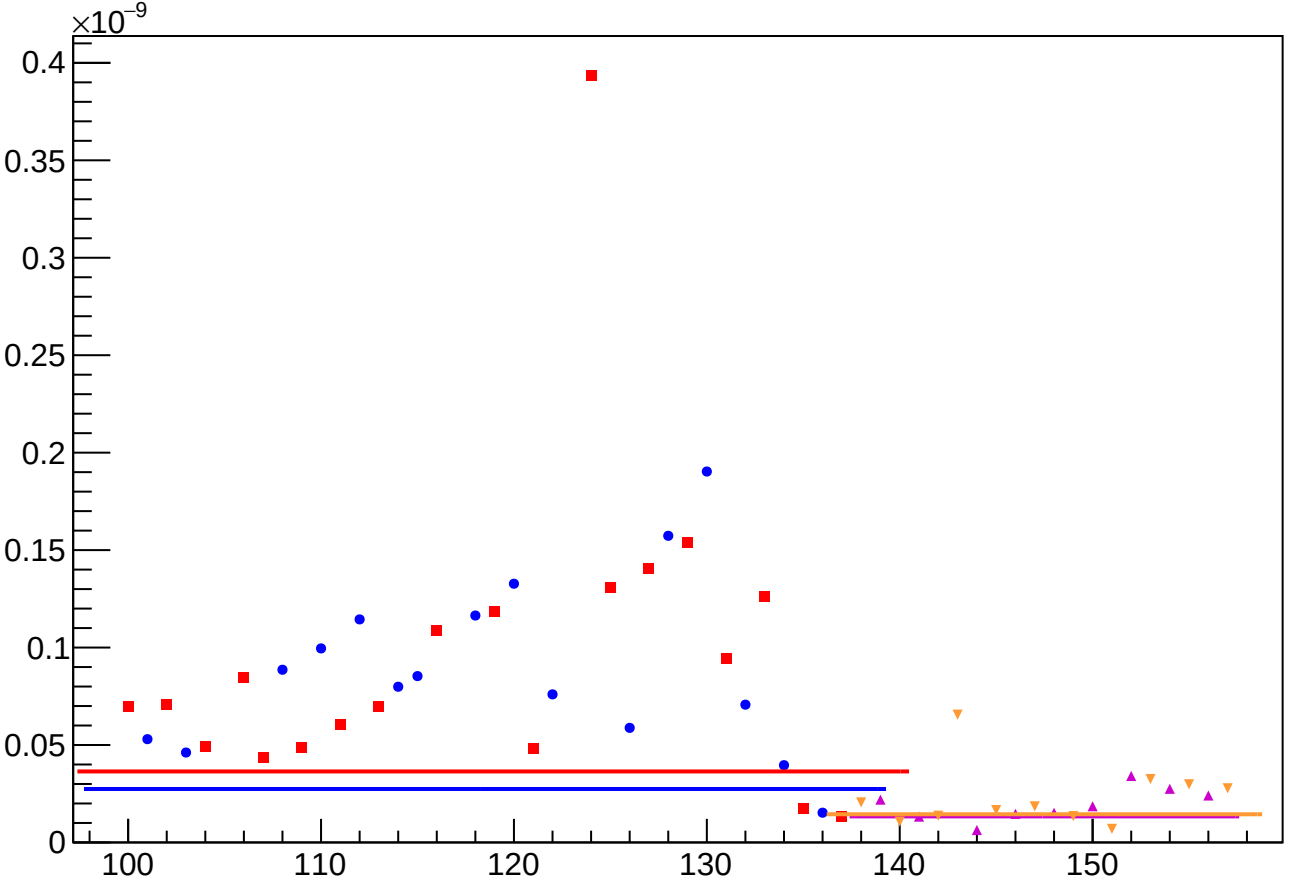
Left In: 0.000+/-0.000 χ^2/NDF:8.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 27.1/26

All: 0.000+/-0.000 χ^2/NDF: 53.0/54

- sign 0.000+/-0.000 χ^2/NDF: 24.8/27

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1460754.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

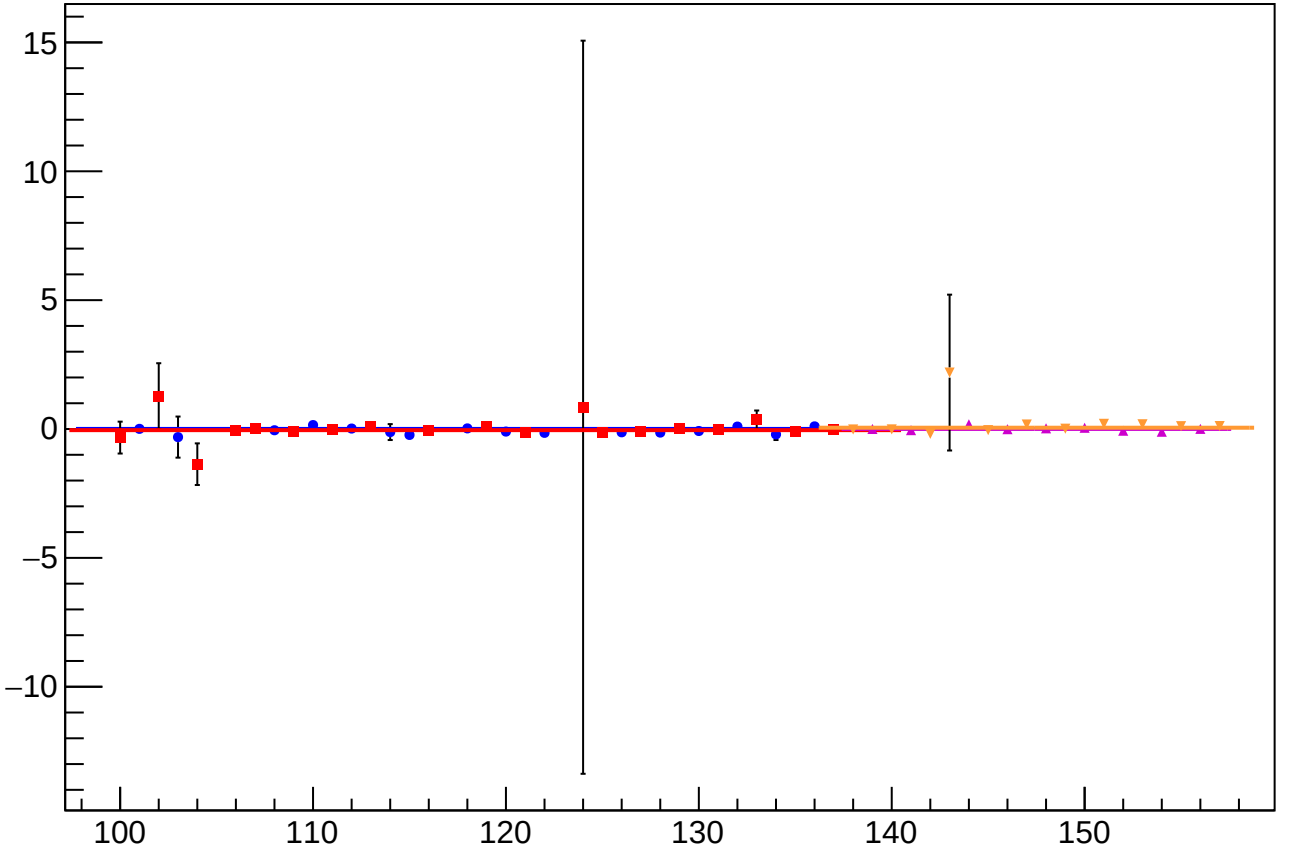
Left In: 0.000+/-0.000 χ^2/NDF:1325034.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 4777969.5/26

All: 0.000+/-0.000 χ^2/NDF: 9792013.3/54

- sign 0.000+/-0.000 χ^2/NDF: 5004130.6/27

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

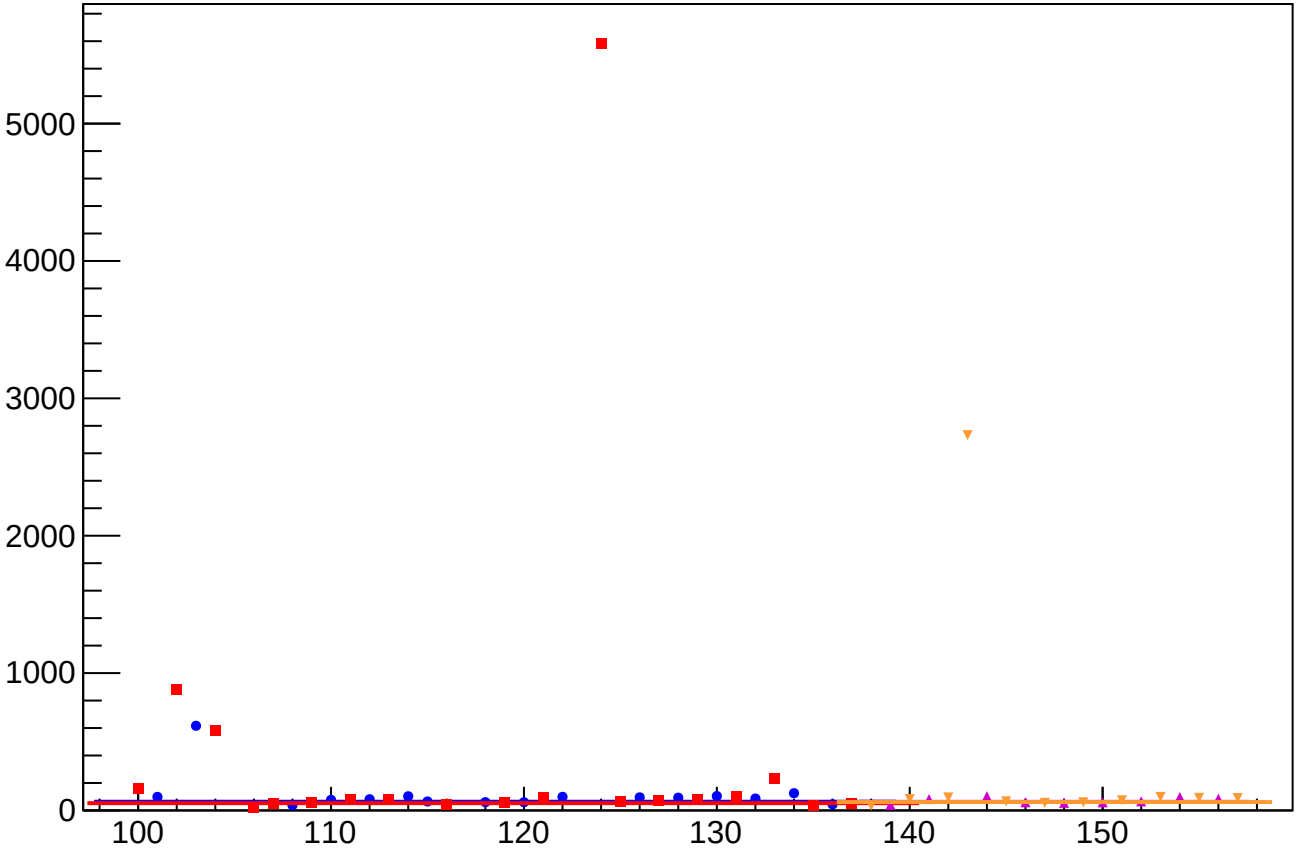
Left In: 0.004+/-0.025 χ^2/NDF:5.3/8

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.004+/-0.013 χ^2/NDF: 55.6/54

- sign -0.020+/-0.017 χ^2/NDF: 19.8/27

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 61.259+/-0.017 χ^2/NDF:3113766.6/10

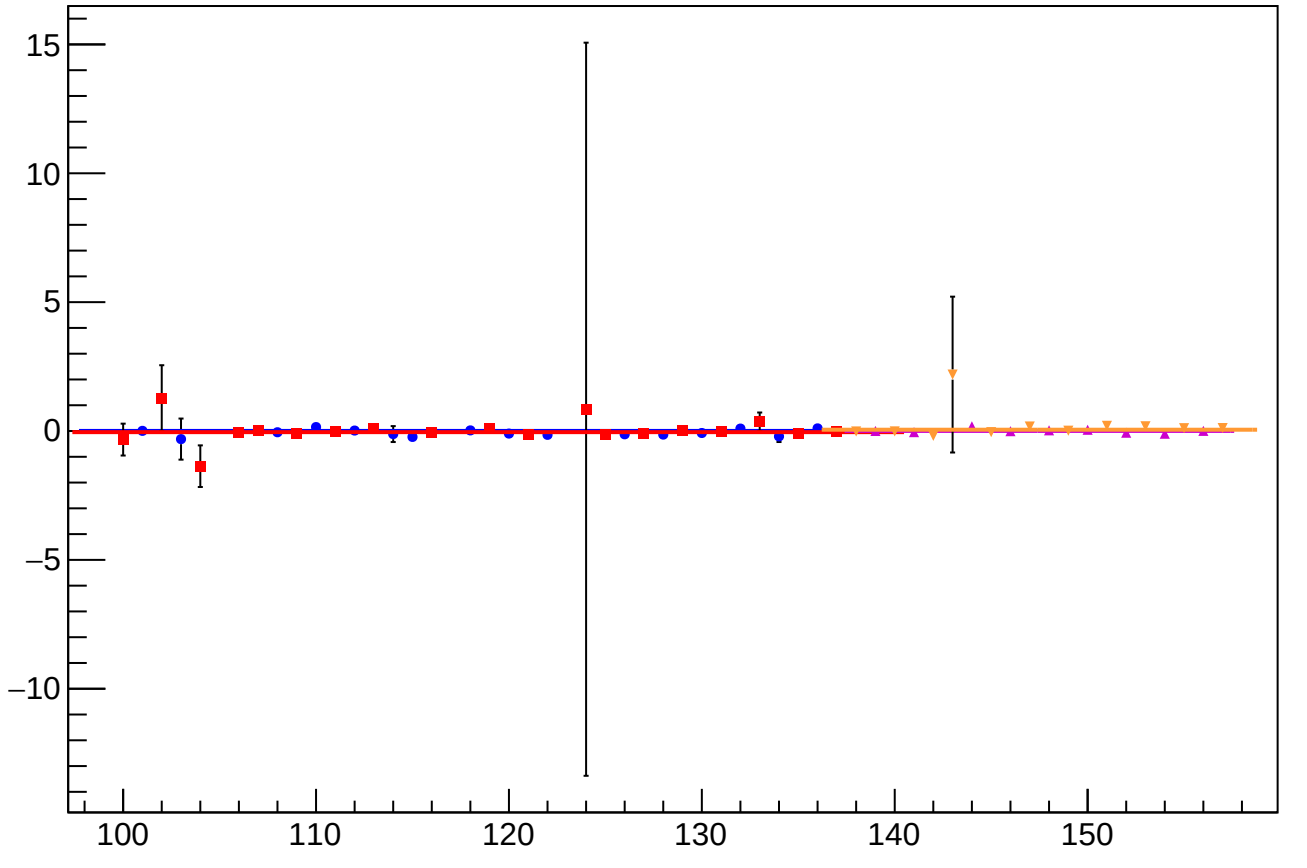
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 62.617+/-0.017 χ^2/NDF:1135621.2/8

+ sign 62.228+/-0.013 χ^2/NDF: 5566292.9/26

All: 60.022+/-0.009 χ^2/NDF: 10850387.7/54

- sign 57.963+/-0.012 χ^2/NDF: 5226535.0/27



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

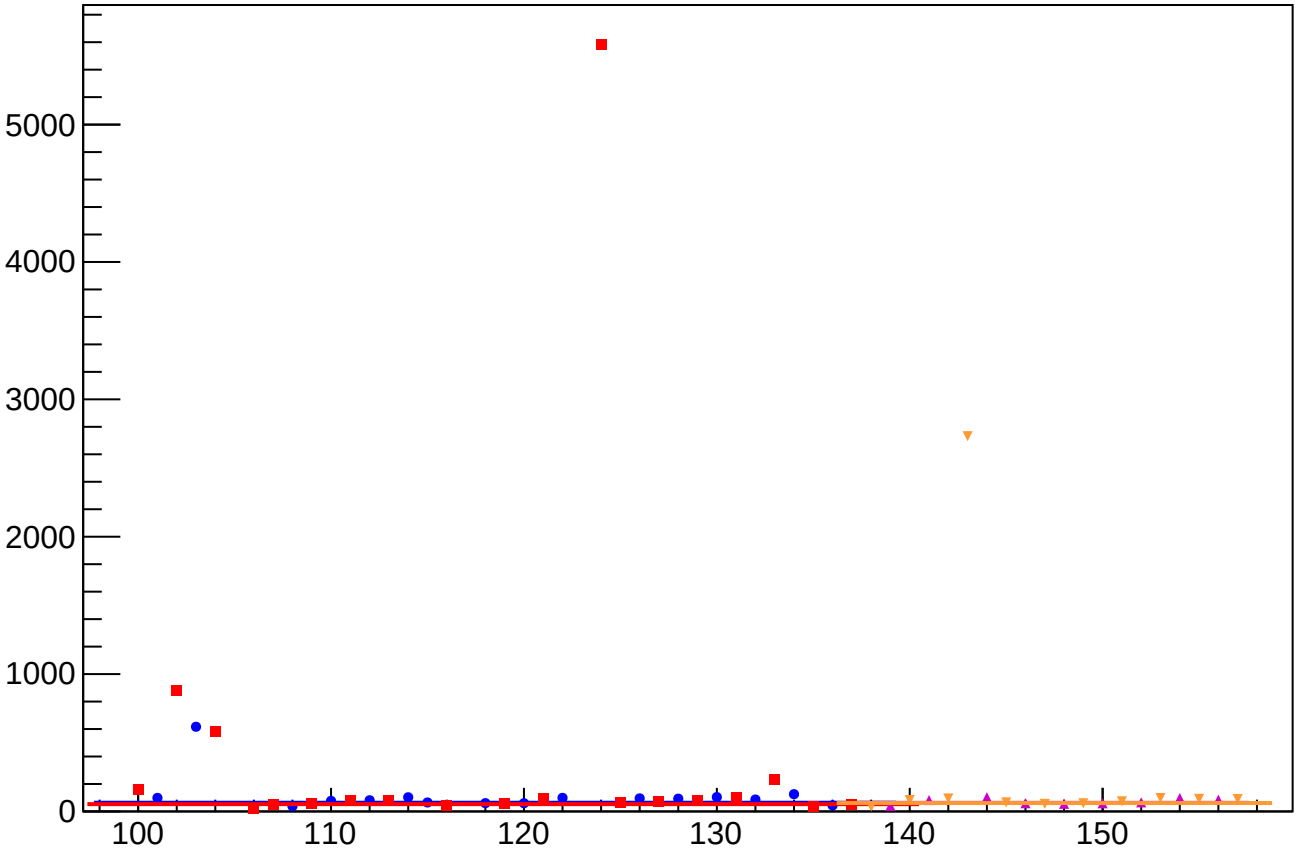
Left In: 0.004+/-0.025 χ^2/NDF:5.3/8

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.004+/-0.013 χ^2/NDF: 55.6/54

- sign -0.020+/-0.017 χ^2/NDF: 19.8/27

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 61.259+/-0.017 χ^2/NDF:3113766.6/10

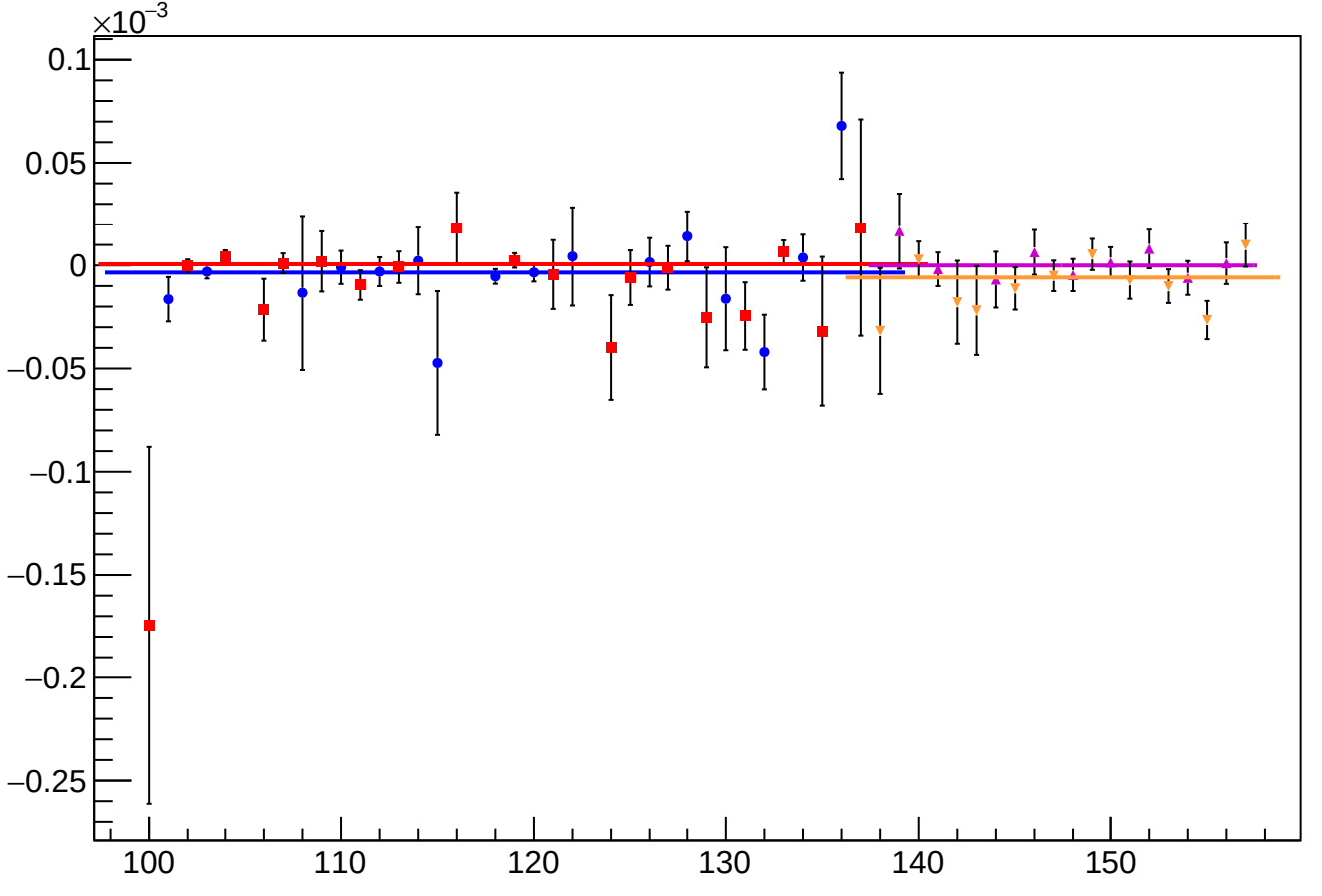
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 62.617+/-0.017 χ^2/NDF:1135621.2/8

+ sign 62.228+/-0.013 χ^2/NDF: 5566292.9/26

All: 60.022+/-0.009 χ^2/NDF: 10850387.7/54

- sign 57.963+/-0.012 χ^2/NDF: 5226535.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/10

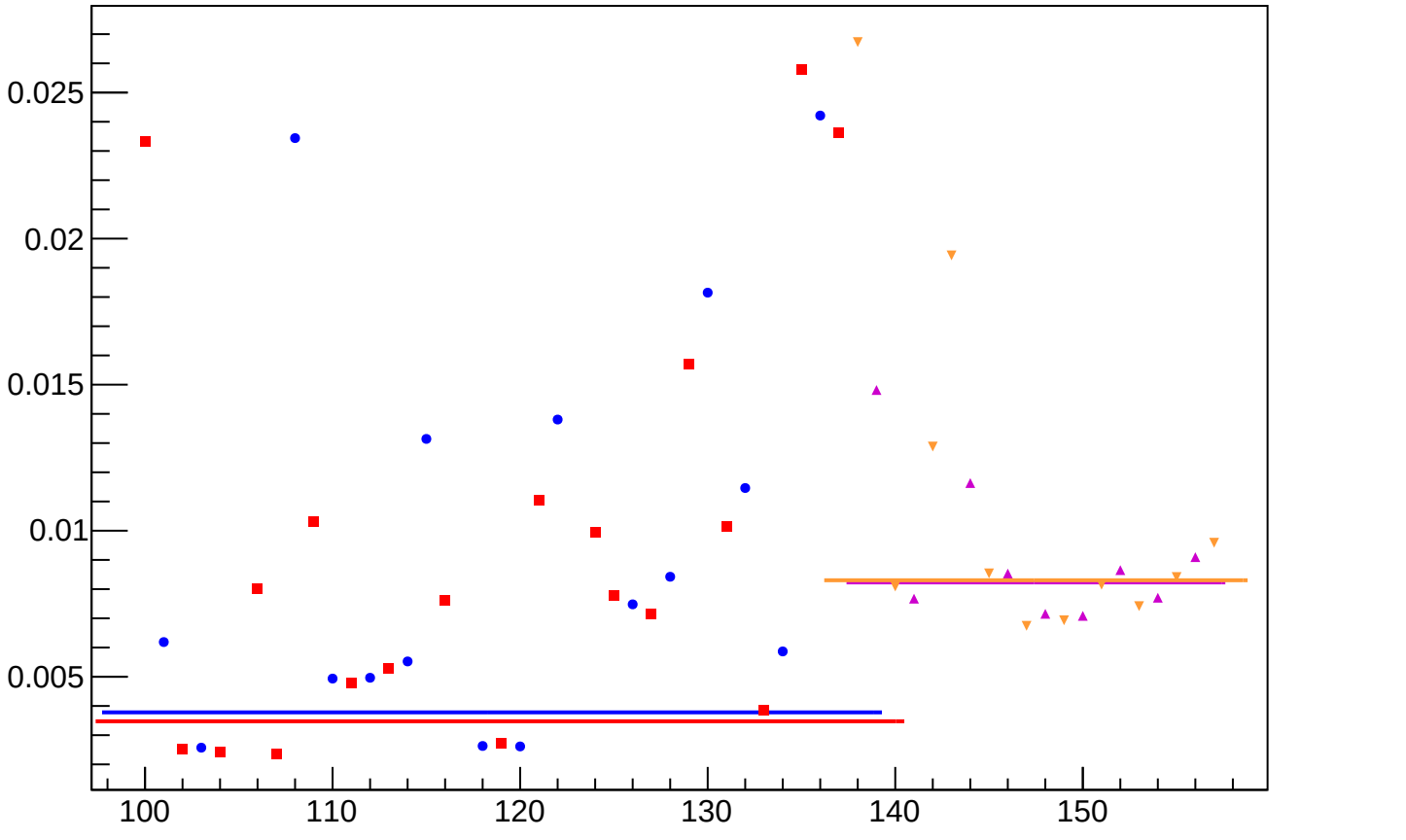
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/26

All: -0.000+/-0.000 χ^2/NDF: 59.1/54

- sign 0.000+/-0.000 χ^2/NDF: 22.4/27



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1574186.4/10

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

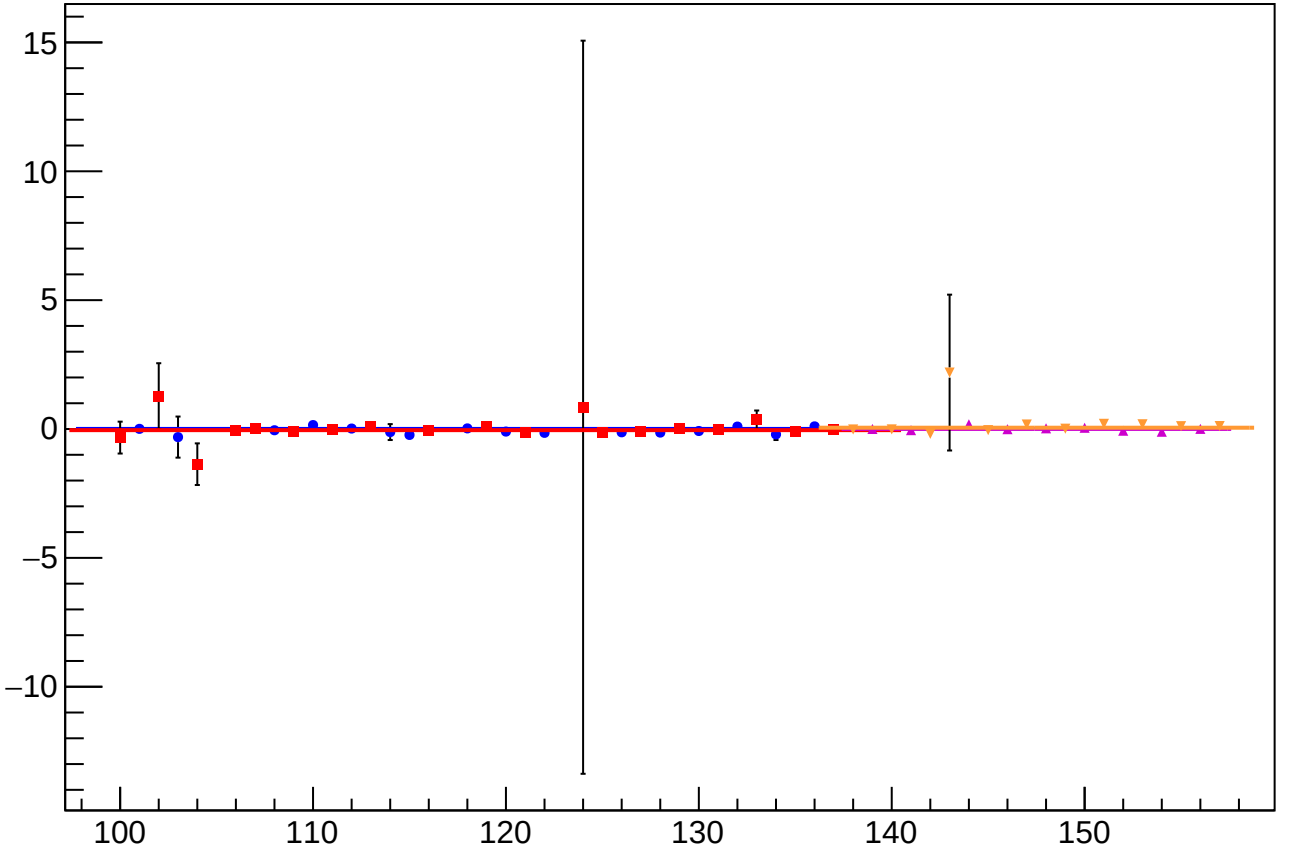
Left In: 0.008+/-0.000 χ^2/NDF:508088.3/8

+ sign 0.005+/-0.000 χ^2/NDF: 9617662.5/26

All: 0.005+/-0.000 χ^2/NDF: 18493901.3/54

- sign 0.004+/-0.000 χ^2/NDF: 8710639.0/27

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

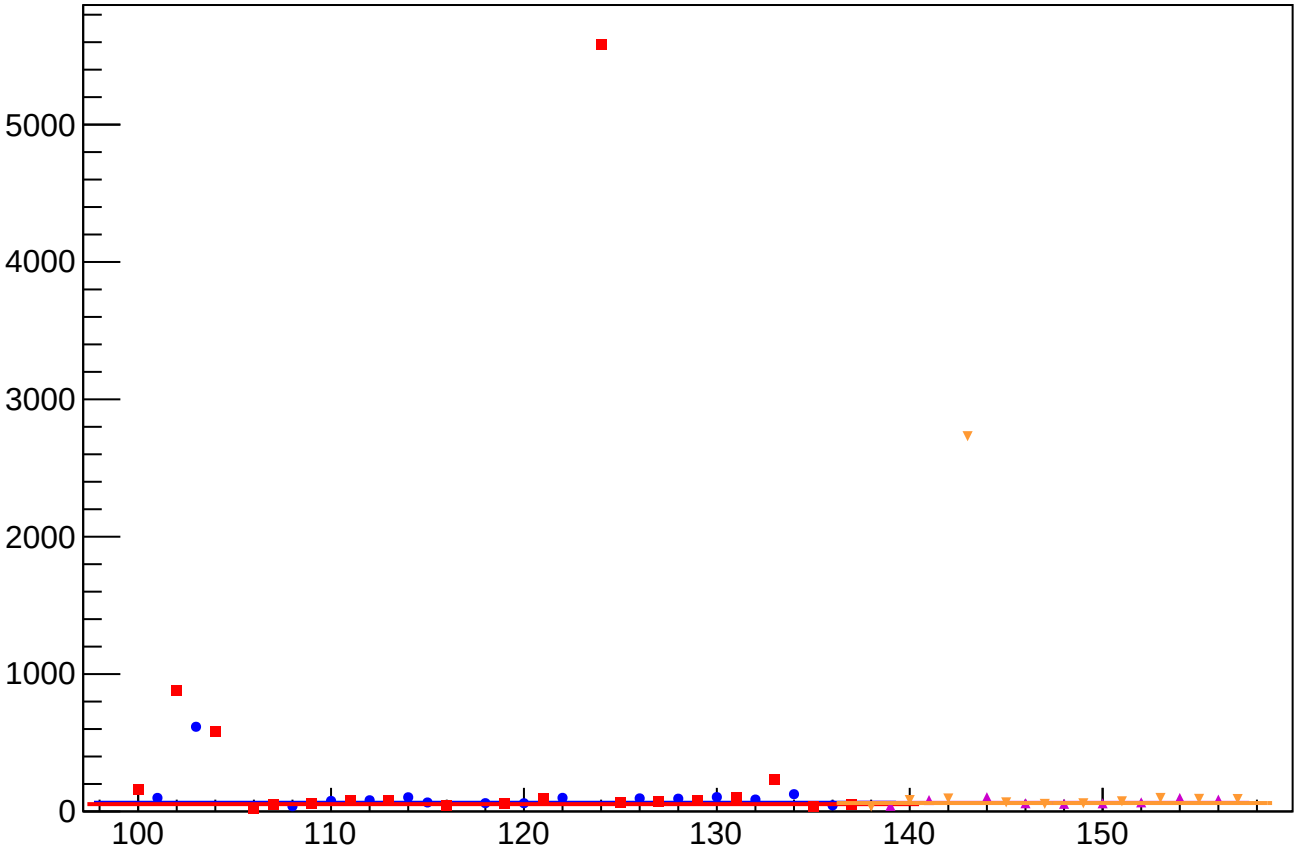
Left In: 0.004+/-0.025 χ^2/NDF:5.3/8

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.004+/-0.013 χ^2/NDF: 55.6/54

- sign -0.020+/-0.017 χ^2/NDF: 19.8/27

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 61.256+/-0.017 χ^2/NDF:3113814.0/10

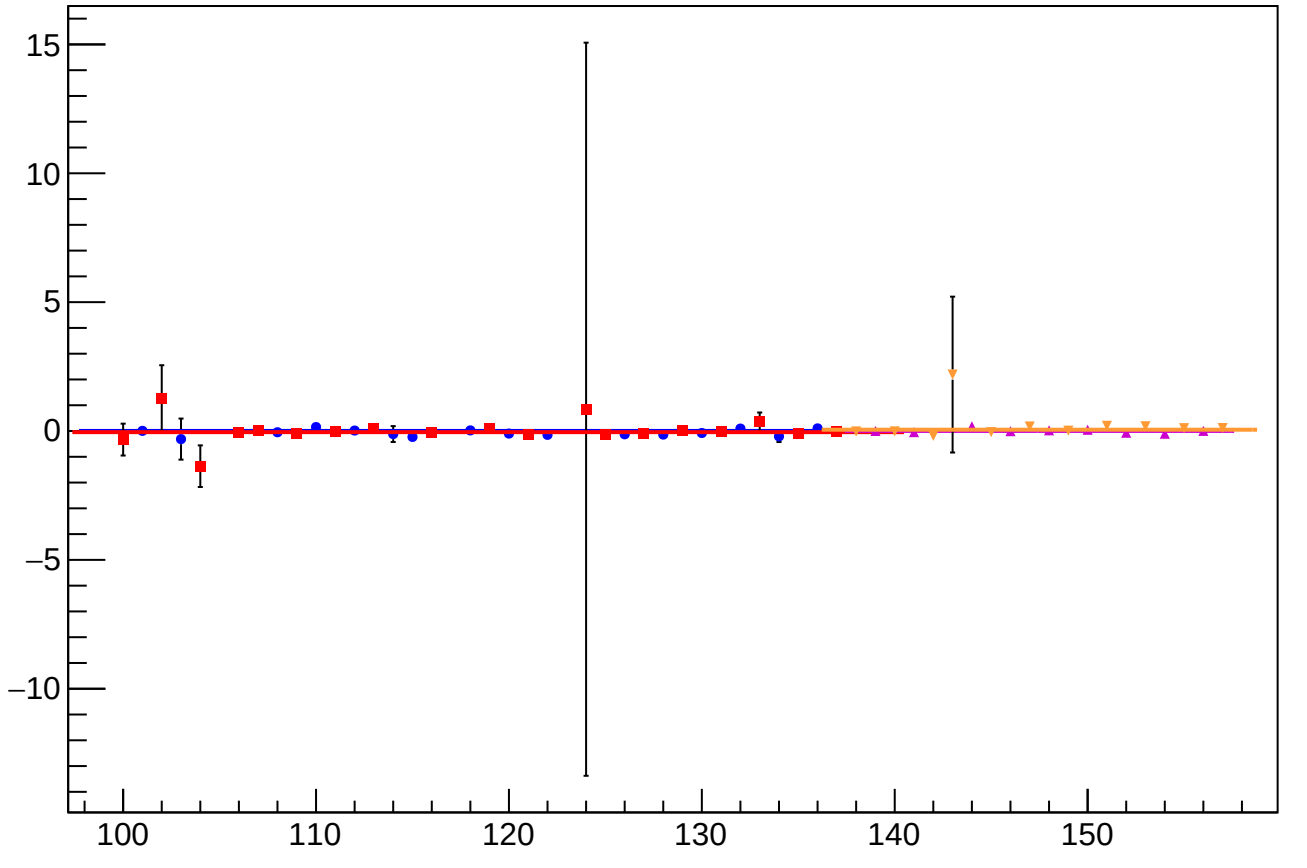
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 62.621+/-0.017 χ^2/NDF:1135230.1/8

+ sign 62.230+/-0.013 χ^2/NDF: 5565514.3/26

All: 60.022+/-0.009 χ^2/NDF: 10850137.4/54

- sign 57.962+/-0.012 χ^2/NDF: 5226960.9/27



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.024 χ^2/NDF:17.0/10

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

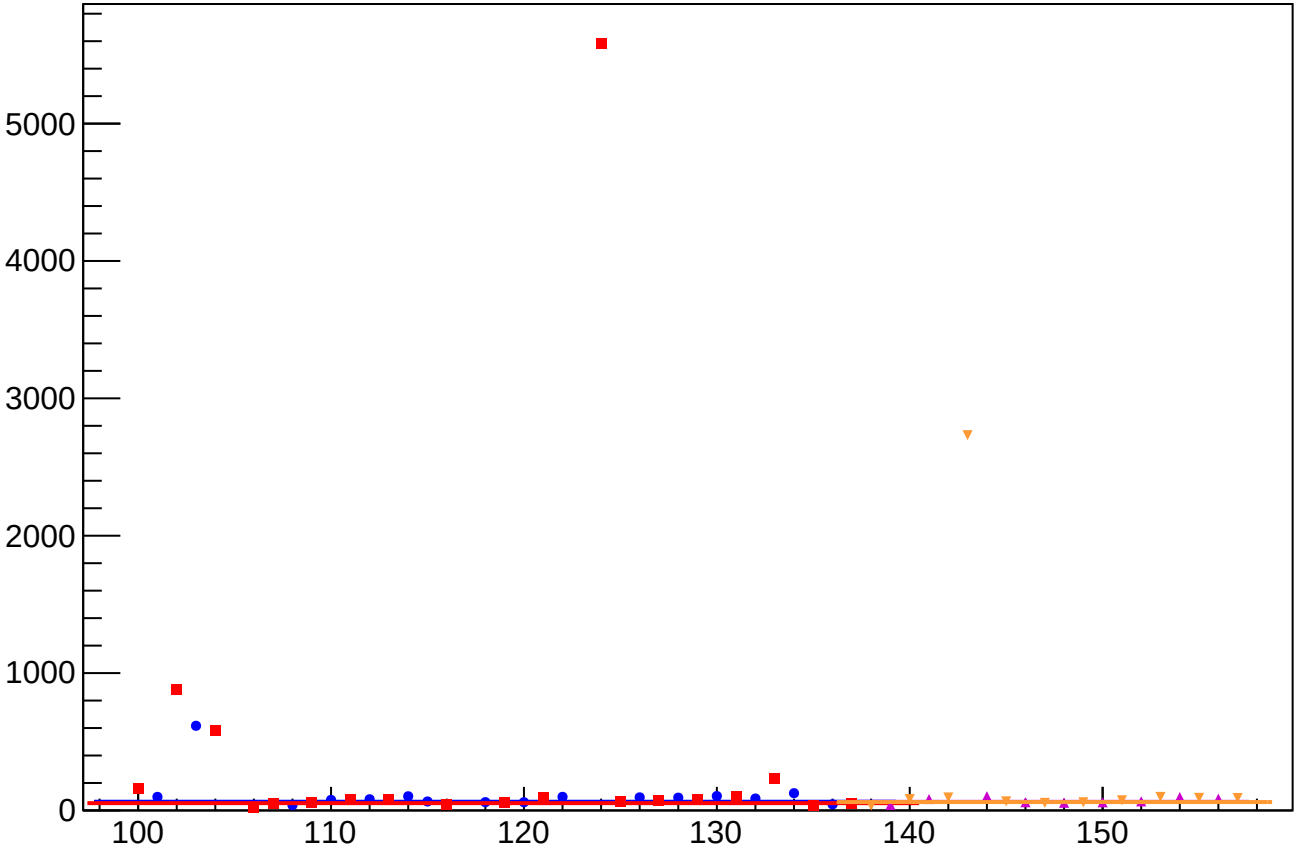
Left In: 0.004+/-0.025 χ^2/NDF:5.3/8

+ sign 0.030+/-0.018 χ^2/NDF: 31.9/26

All: 0.004+/-0.013 χ^2/NDF: 55.6/54

- sign -0.020+/-0.017 χ^2/NDF: 19.8/27

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 61.256+/-0.017 χ^2/NDF:3113814.0/10

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

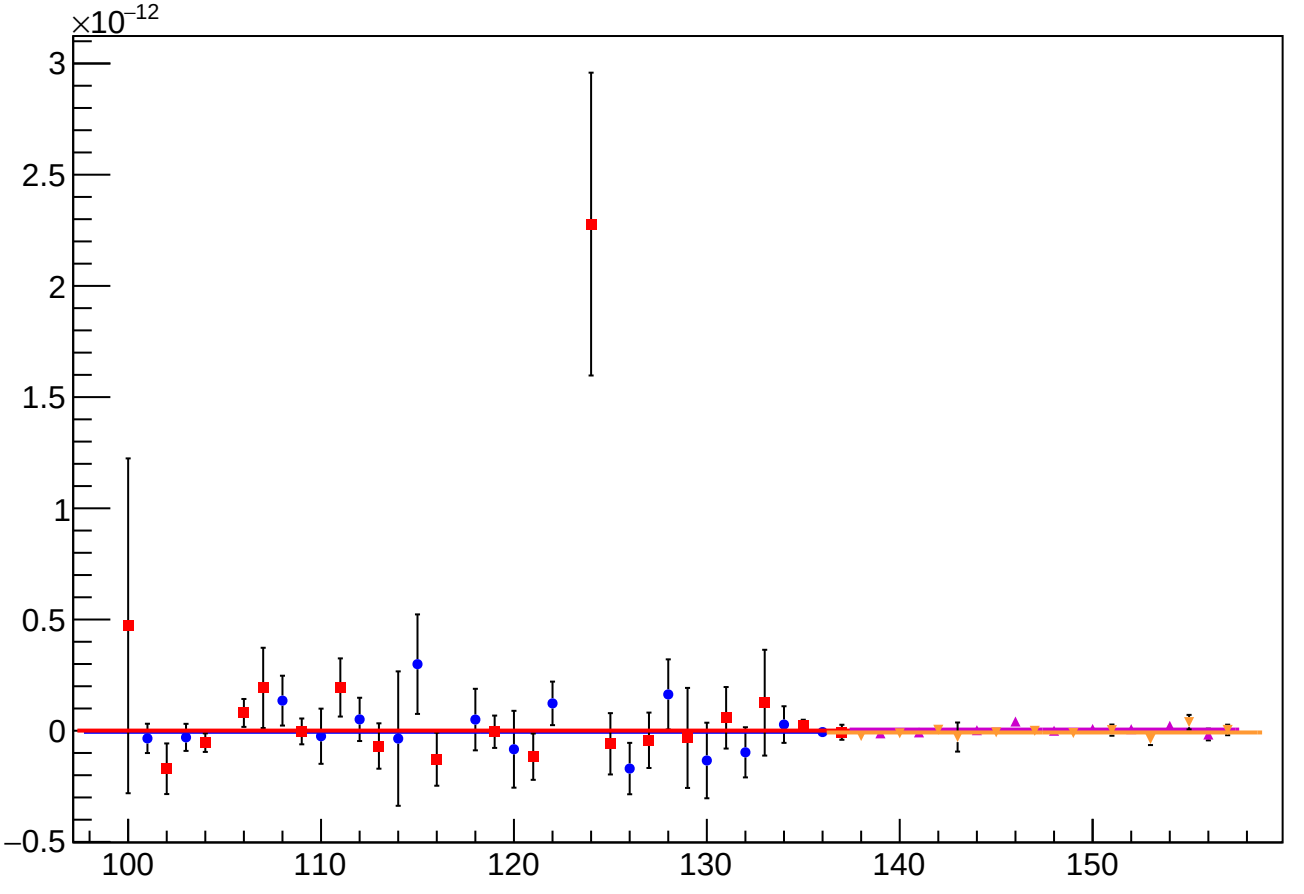
Left In: 62.621+/-0.017 χ^2/NDF:1135230.1/8

+ sign 62.230+/-0.013 χ^2/NDF: 5565514.3/26

All: 60.022+/-0.009 χ^2/NDF: 10850137.4/54

- sign 57.962+/-0.012 χ^2/NDF: 5226960.9/27

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/10

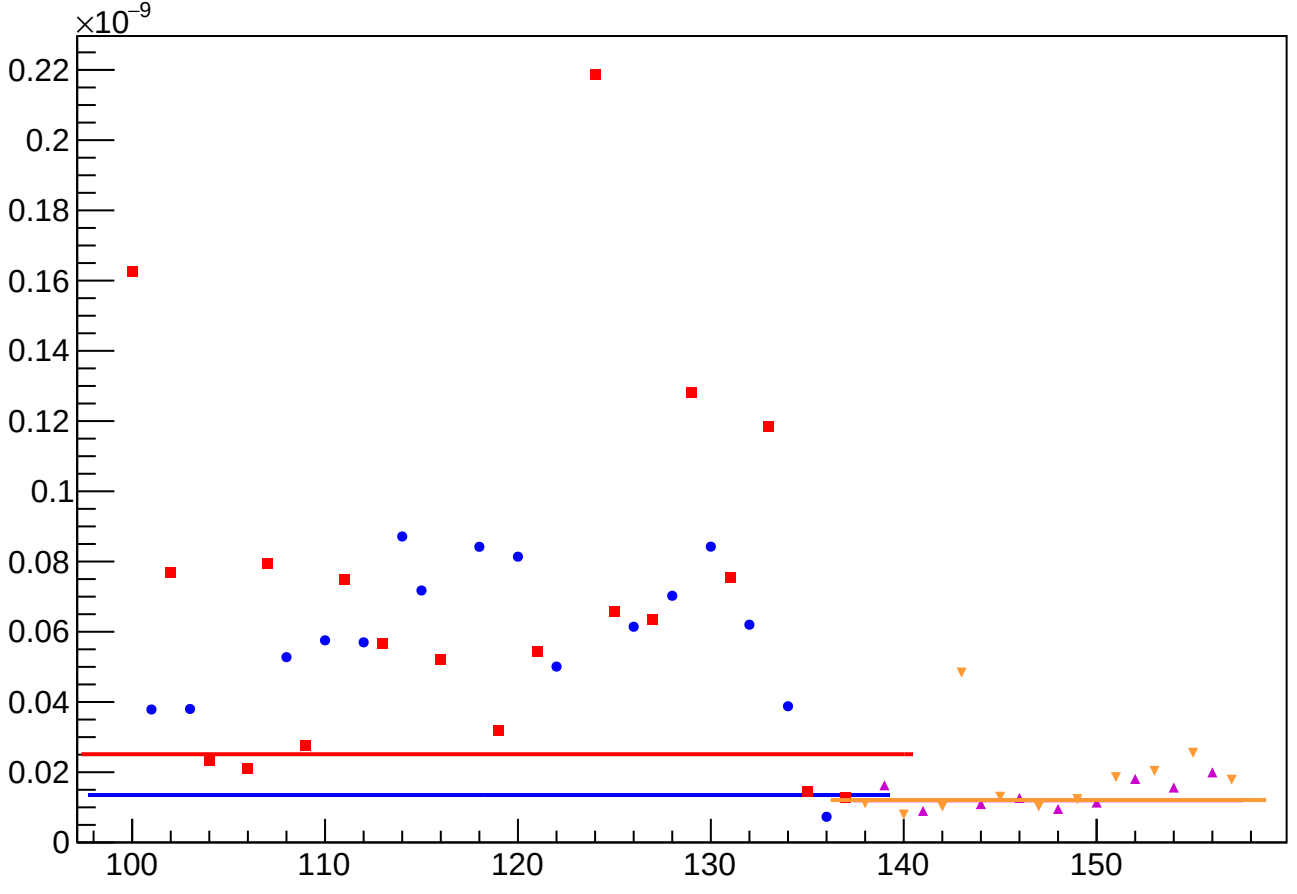
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/26

All: -0.000+/-0.000 χ^2/NDF: 52.8/54

- sign 0.000+/-0.000 χ^2/NDF: 33.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1787969.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

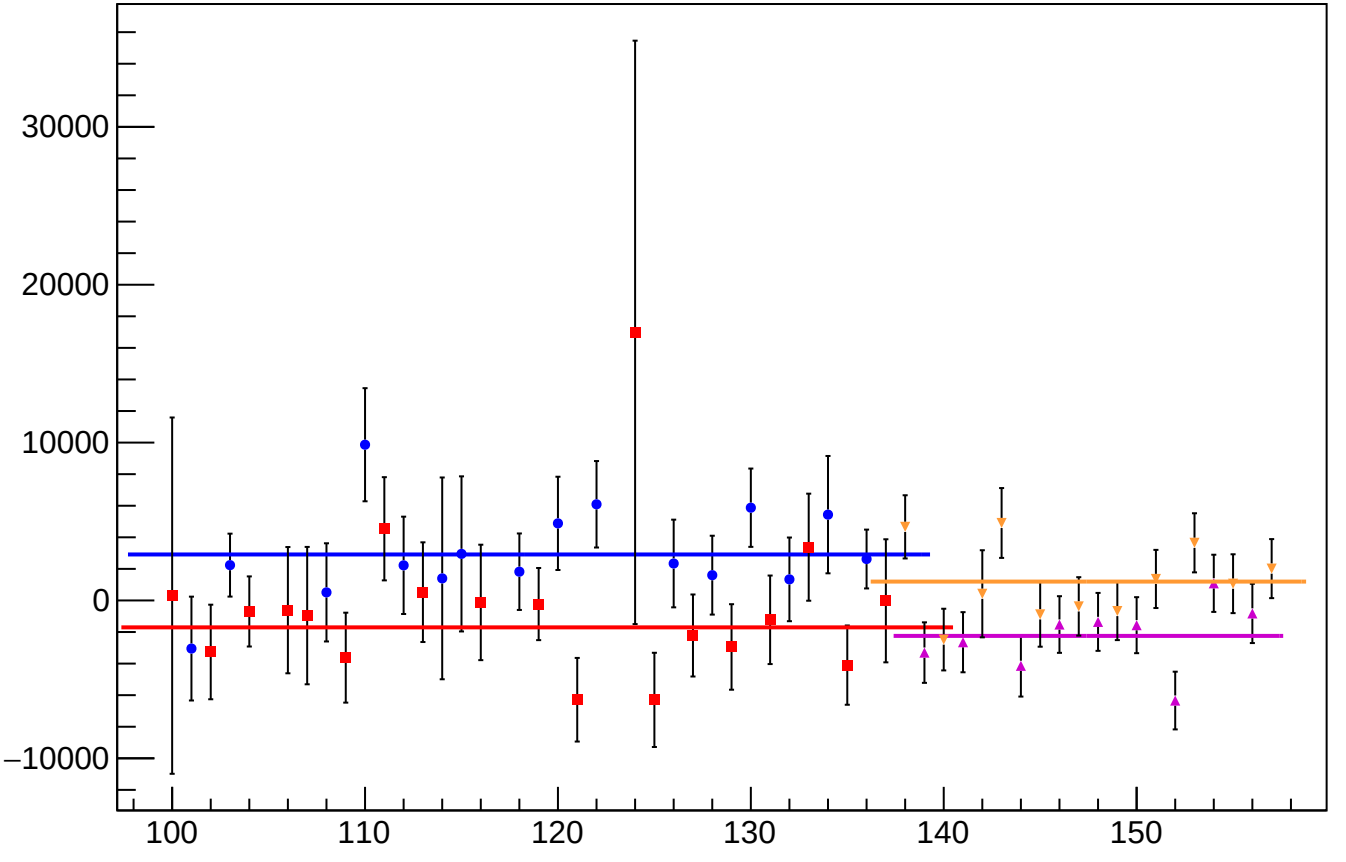
Left In: 0.000+/-0.000 χ^2/NDF:670425.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 6812143.8/26

All: 0.000+/-0.000 χ^2/NDF: 12456350.0/54

- sign 0.000+/-0.000 χ^2/NDF: 5587936.8/27

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.204+/-594.788 χ^2/NDF:14.1/10

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

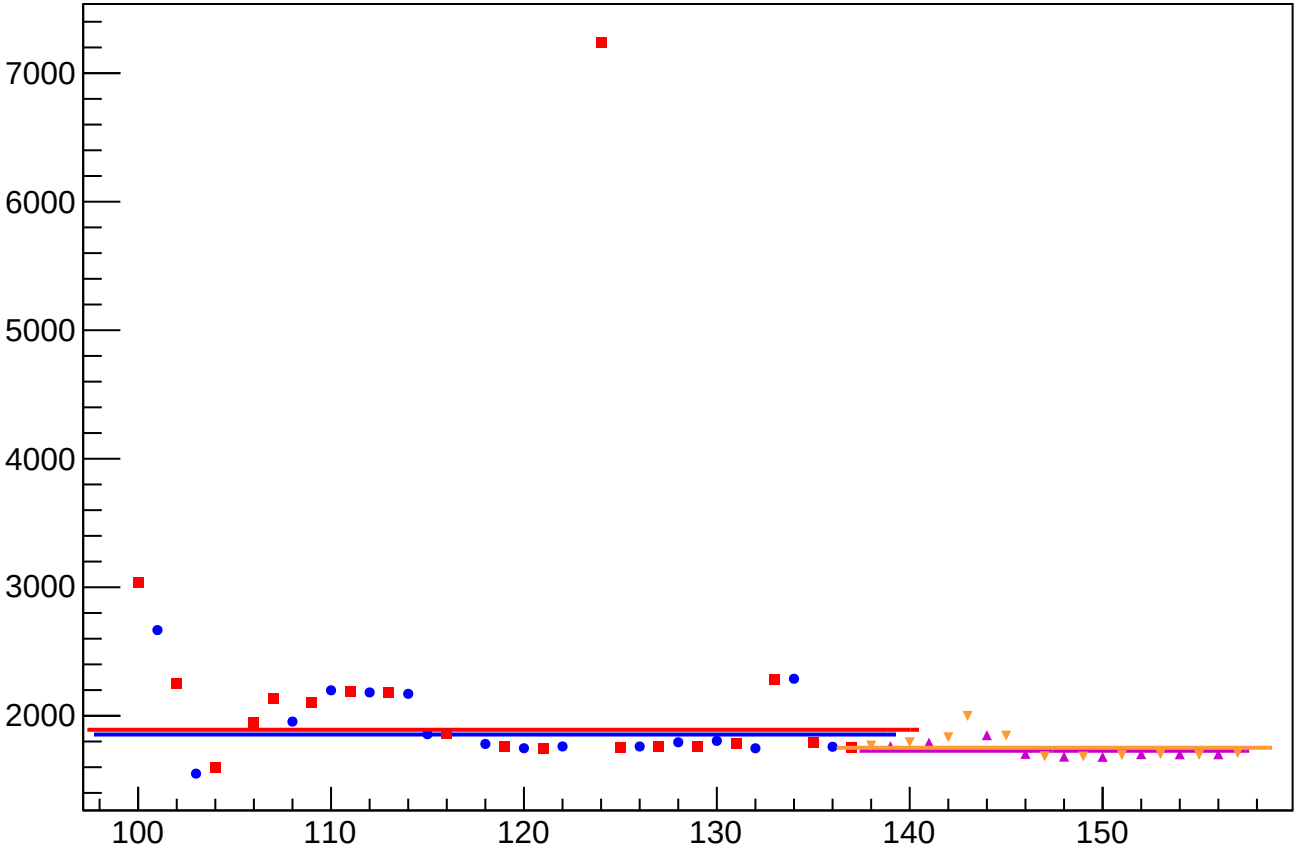
Left In: -2245.506+/-617.296 χ^2/NDF:10.8/8

+ sign 1921.357+/-451.911 χ^2/NDF: 30.1/26

All: 10.806+/-324.062 χ^2/NDF: 93.9/54

- sign -2011.599+/-464.952 χ^2/NDF: 27.0/27

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

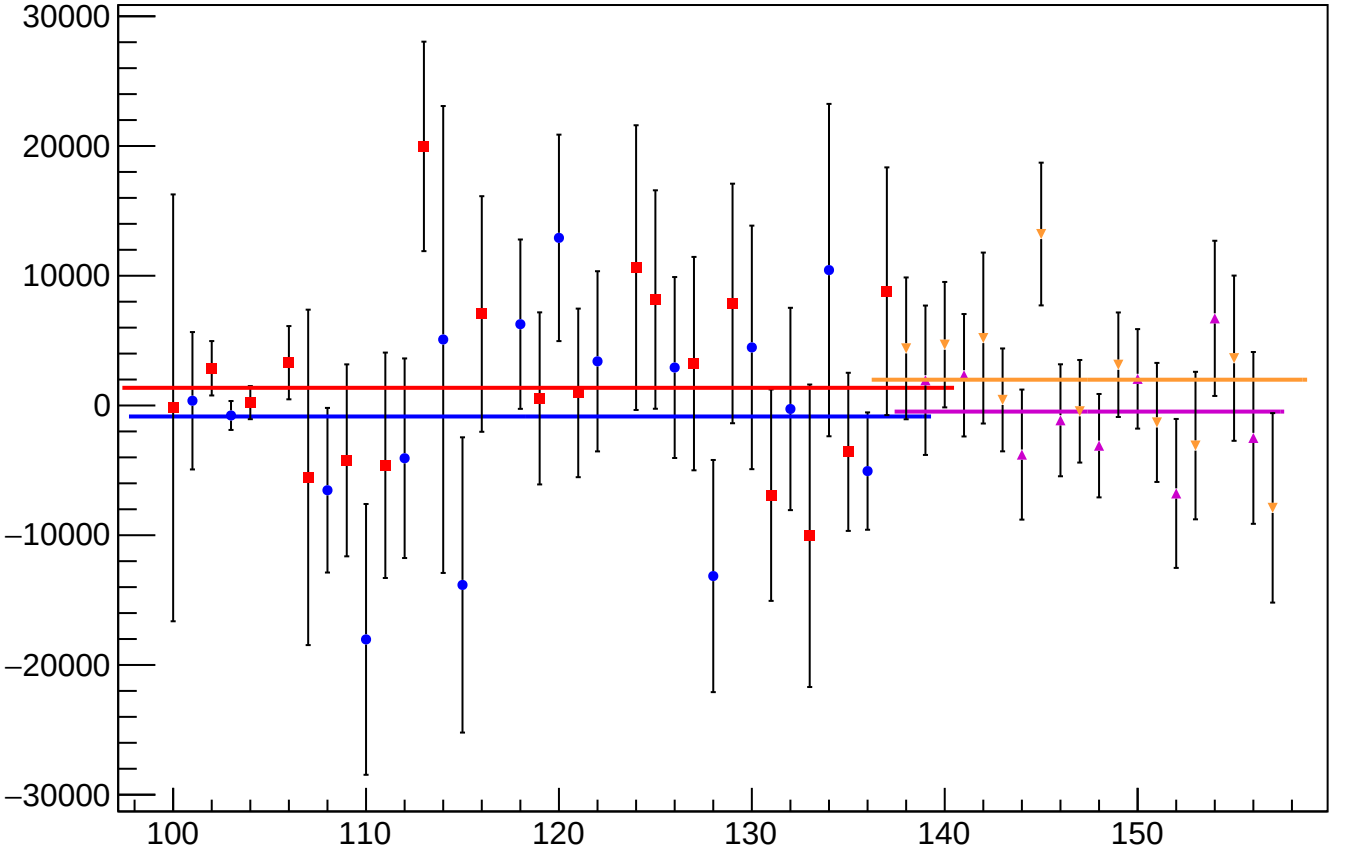
Left In: 1727.852+/-0.436 χ^2/NDF:14910.4/8

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.9/26

All: 1796.773+/-0.229 χ^2/NDF: 772334.0/54

- sign 1798.832+/-0.328 χ^2/NDF: 439915.5/27

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 1986.976+/-1501.754 χ^2/NDF:8.7/10

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

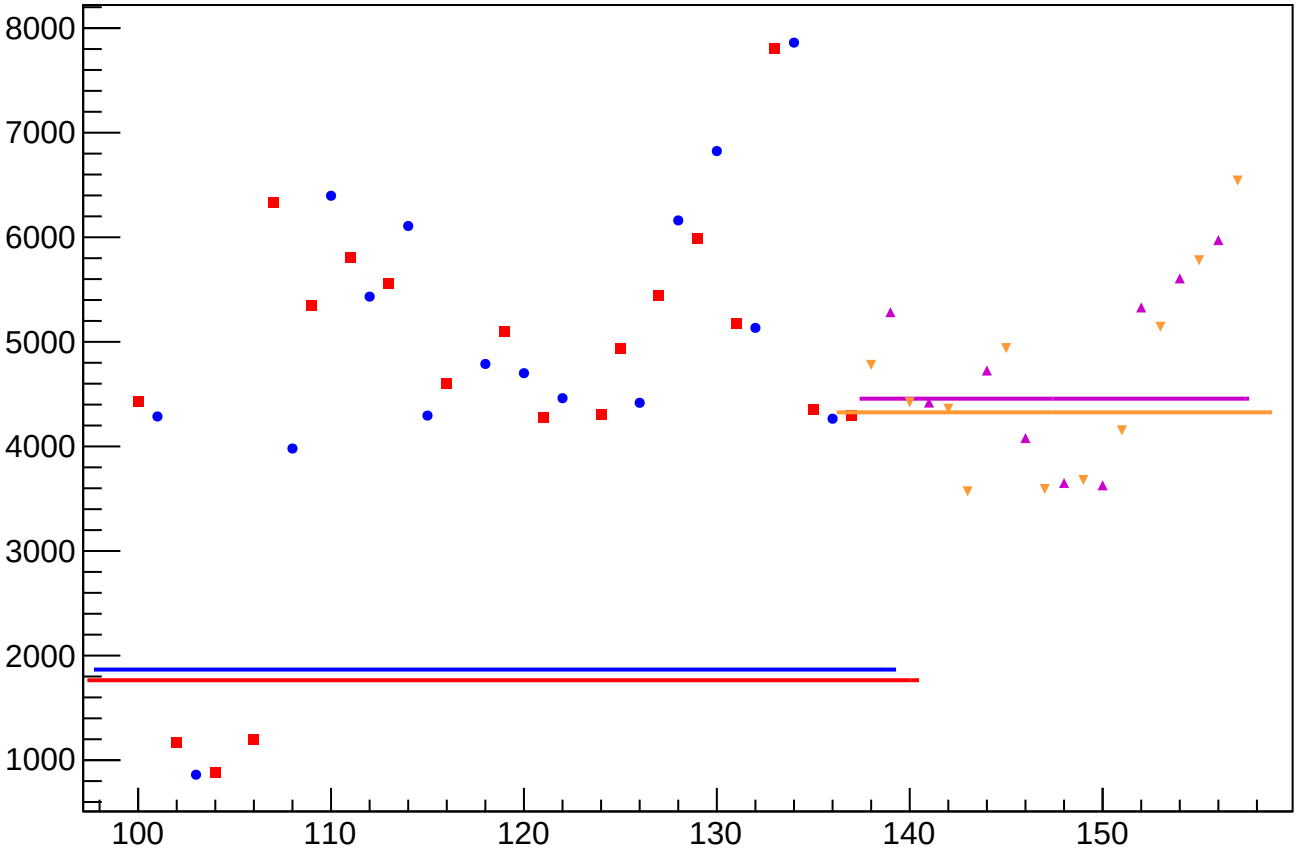
Left In: -470.725+/-1620.819 χ^2/NDF:4.6/8

+ sign -22.014+/-810.599 χ^2/NDF: 25.1/26

All: 455.722+/-568.460 χ^2/NDF: 45.4/54

- sign 918.038+/-797.410 χ^2/NDF: 19.6/27

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4326.188+/-1.062 χ^2/NDF:565399.1/10

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

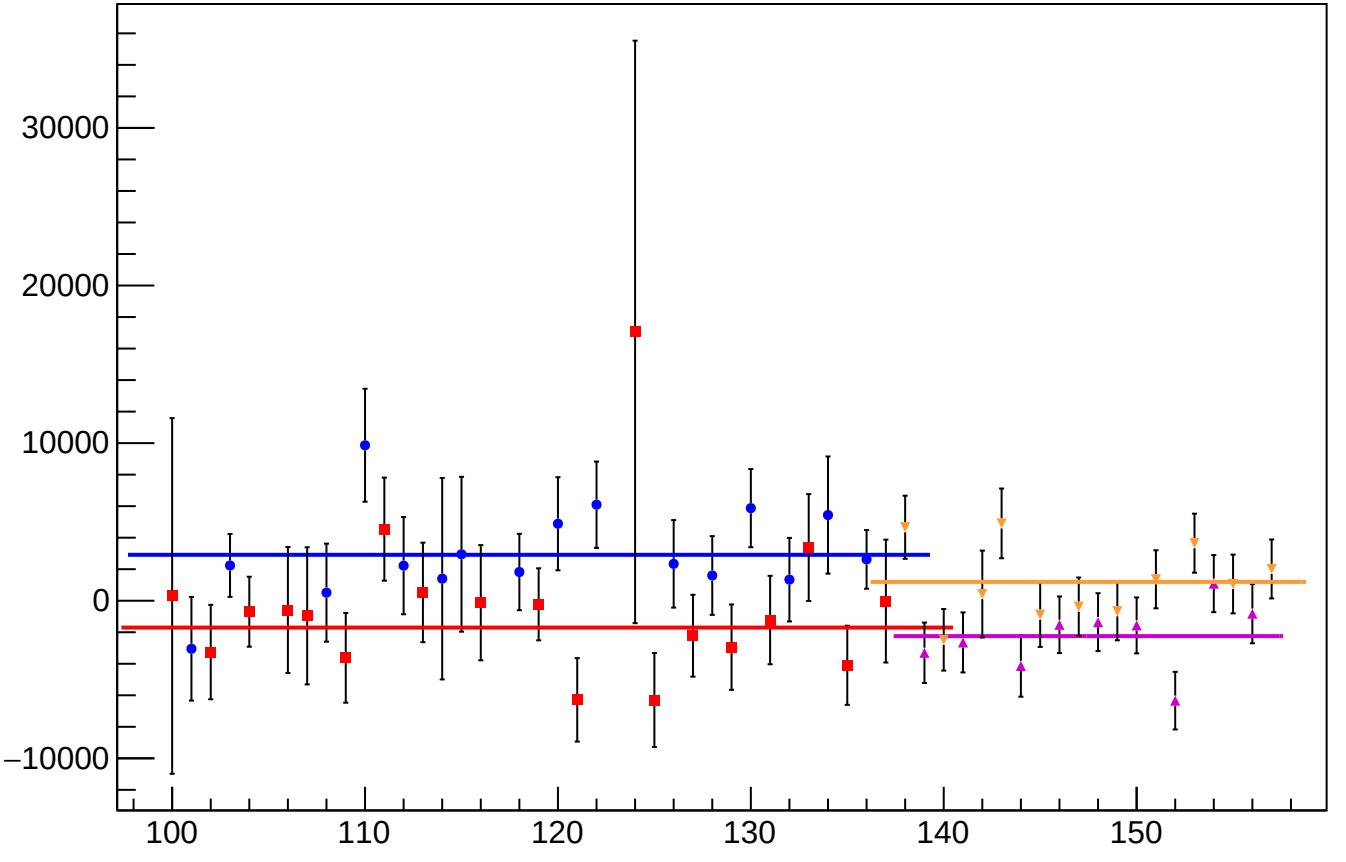
Left In: 4456.658+/-1.146 χ^2/NDF:462705.8/8

+ sign 2583.062+/-0.573 χ^2/NDF: 11217441.1/26

All: 2498.138+/-0.402 χ^2/NDF: 22341043.0/5

- sign 2415.955+/-0.564 χ^2/NDF: 11080406.1/27

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

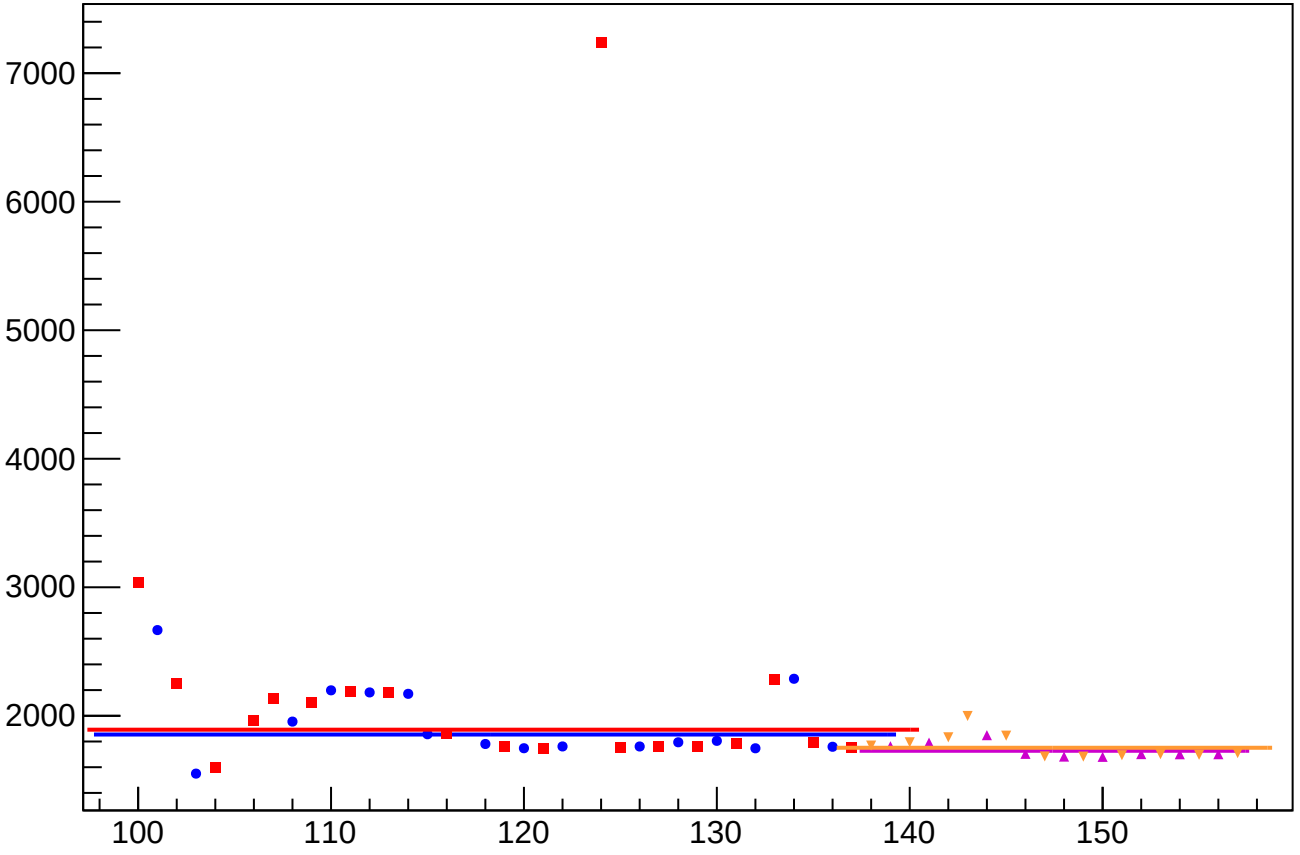
Left In: -2245.667+/-617.296 χ^2/NDF:10.8/8

+ sign 1921.306+/-451.911 χ^2/NDF: 30.1/26

All: 11.026+/-324.062 χ^2/NDF: 93.9/54

- sign -2011.093+/-464.952 χ^2/NDF: 27.0/27

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

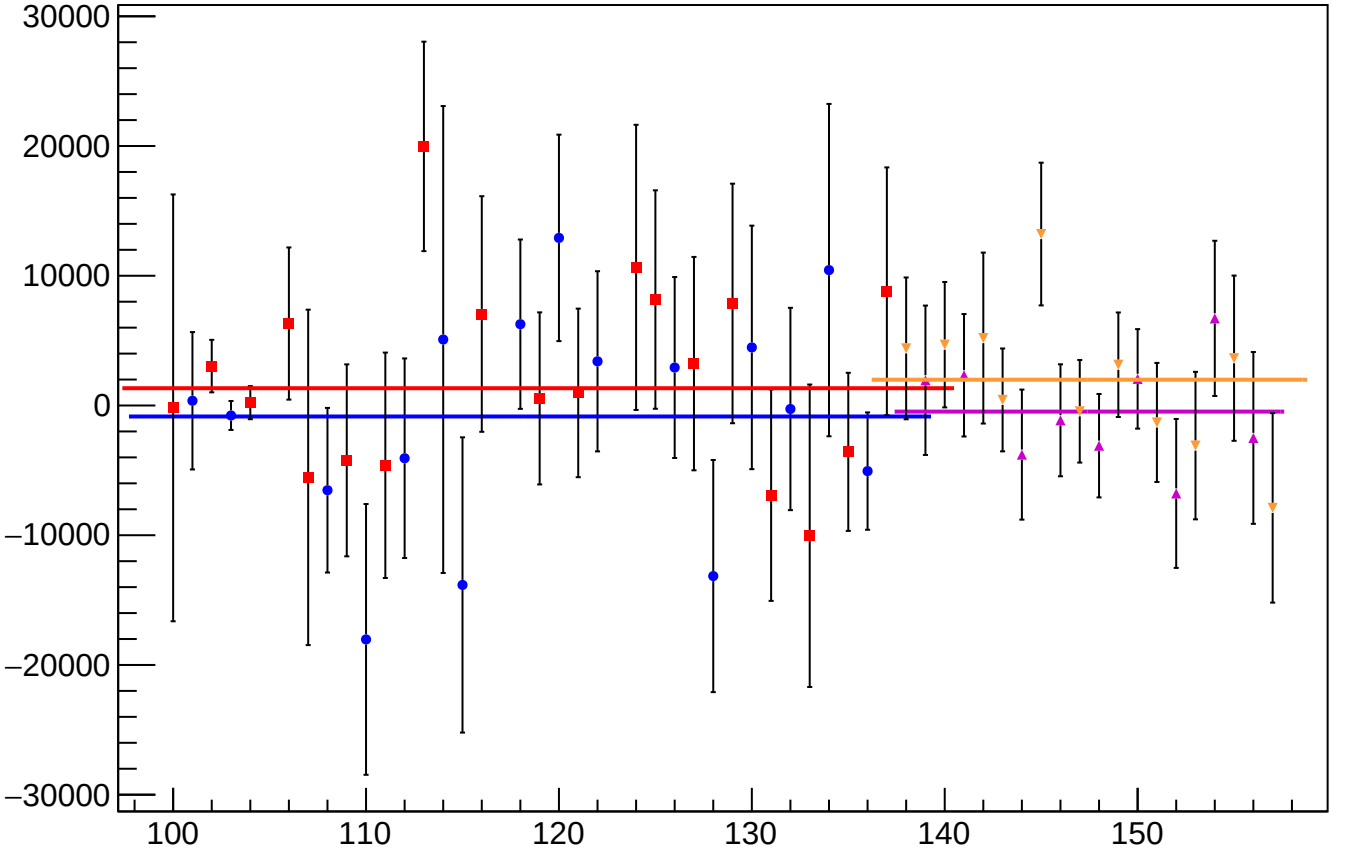
Left In: 1727.852+/-0.436 χ^2/NDF:14910.4/8

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.8/26

All: 1796.861+/-0.229 χ^2/NDF: 772908.7/54

- sign 1799.013+/-0.328 χ^2/NDF: 440483.3/27

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

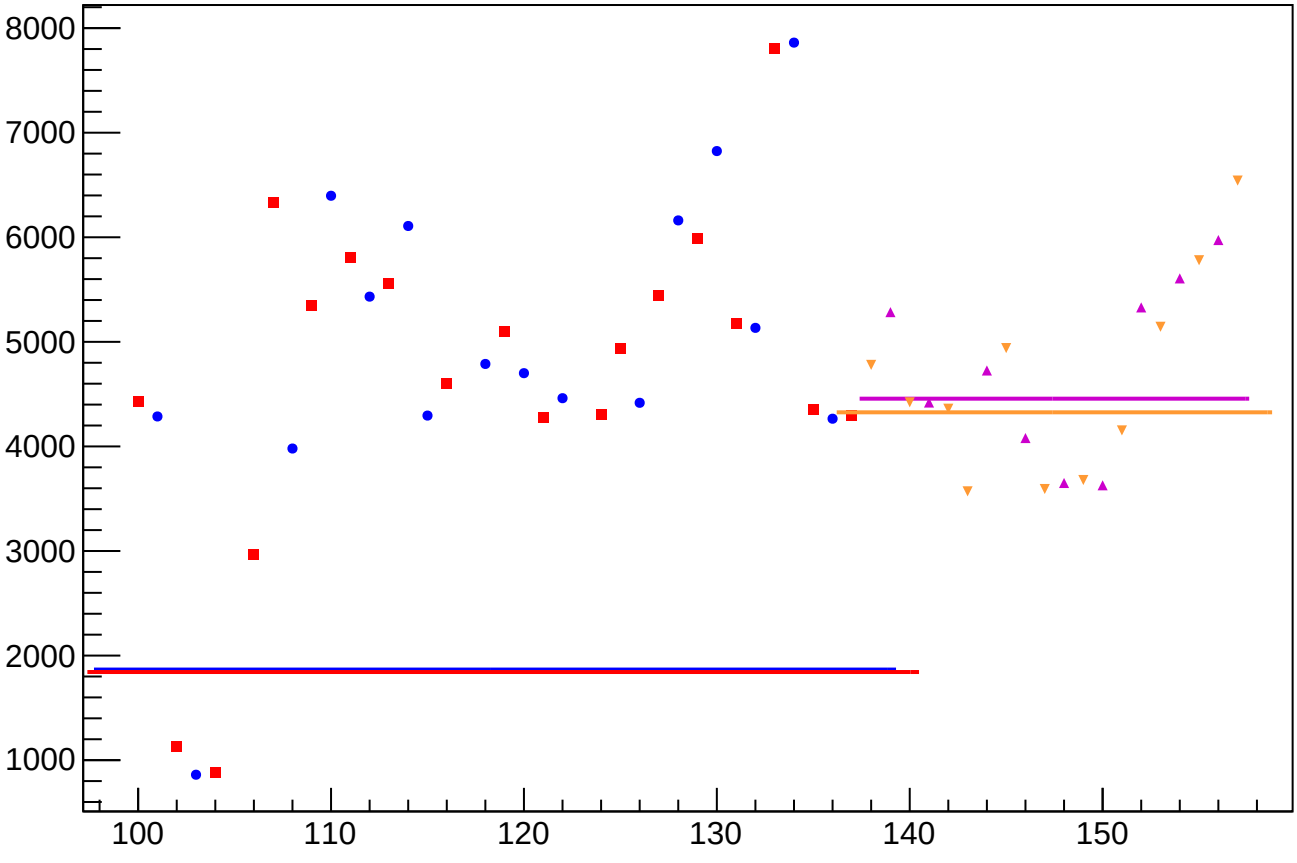
Left In: -470.874+/-1620.819 χ^2/NDF:4.6/8

+ sign -21.780+/-810.567 χ^2/NDF: 25.1/26

All: 420.739+/-575.911 χ^2/NDF: 45.7/54

- sign 871.867+/-818.412 χ^2/NDF: 20.0/27

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

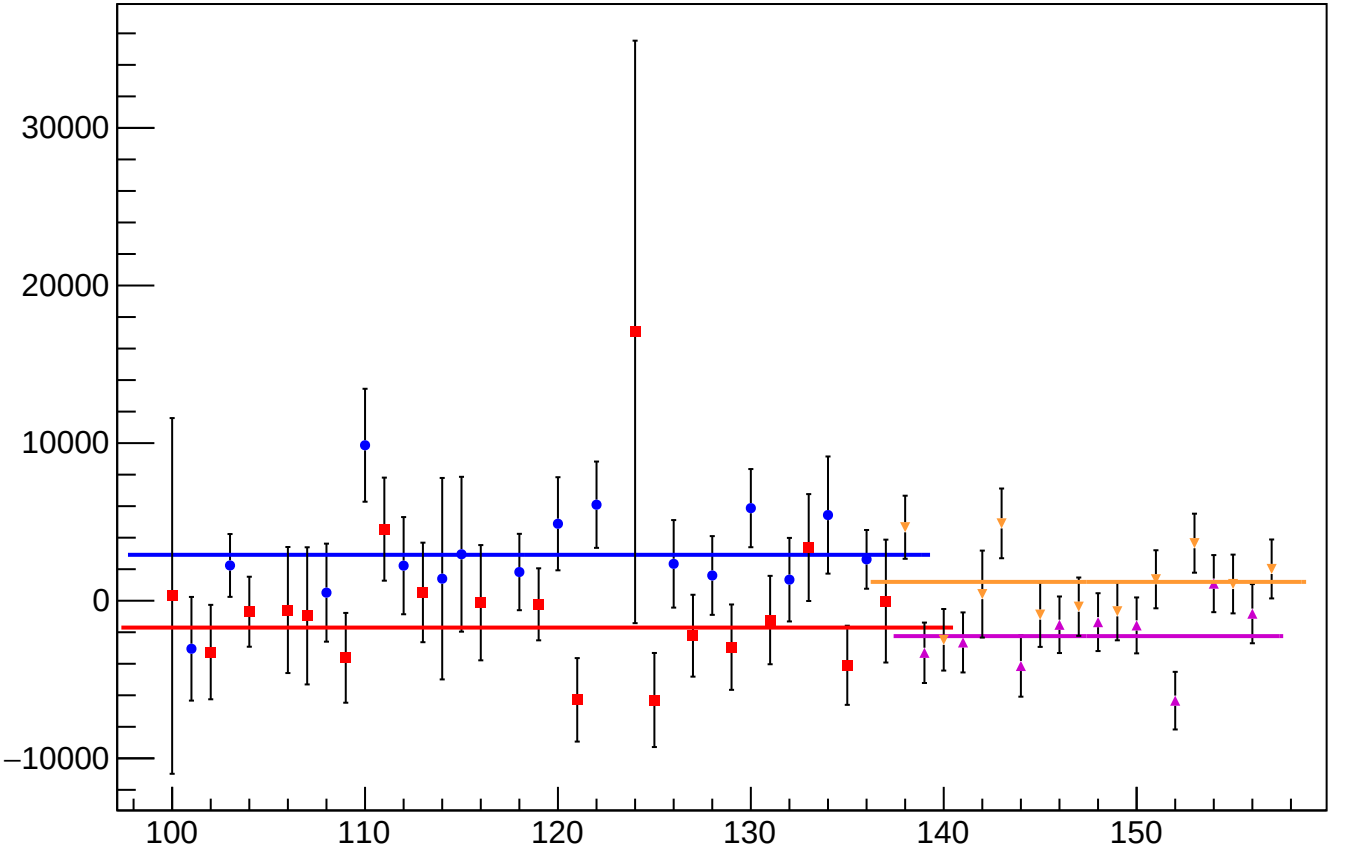
Left In: 4456.656+/-1.146 χ^2/NDF:462714.4/8

+ sign 2582.897+/-0.573 χ^2/NDF: 11218461.6/26

All: 2546.450+/-0.407 χ^2/NDF: 22022833.7/5

- sign 2509.295+/-0.579 χ^2/NDF: 10796206.3/27

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.041+/-594.788 χ^2/NDF:14.1/10

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

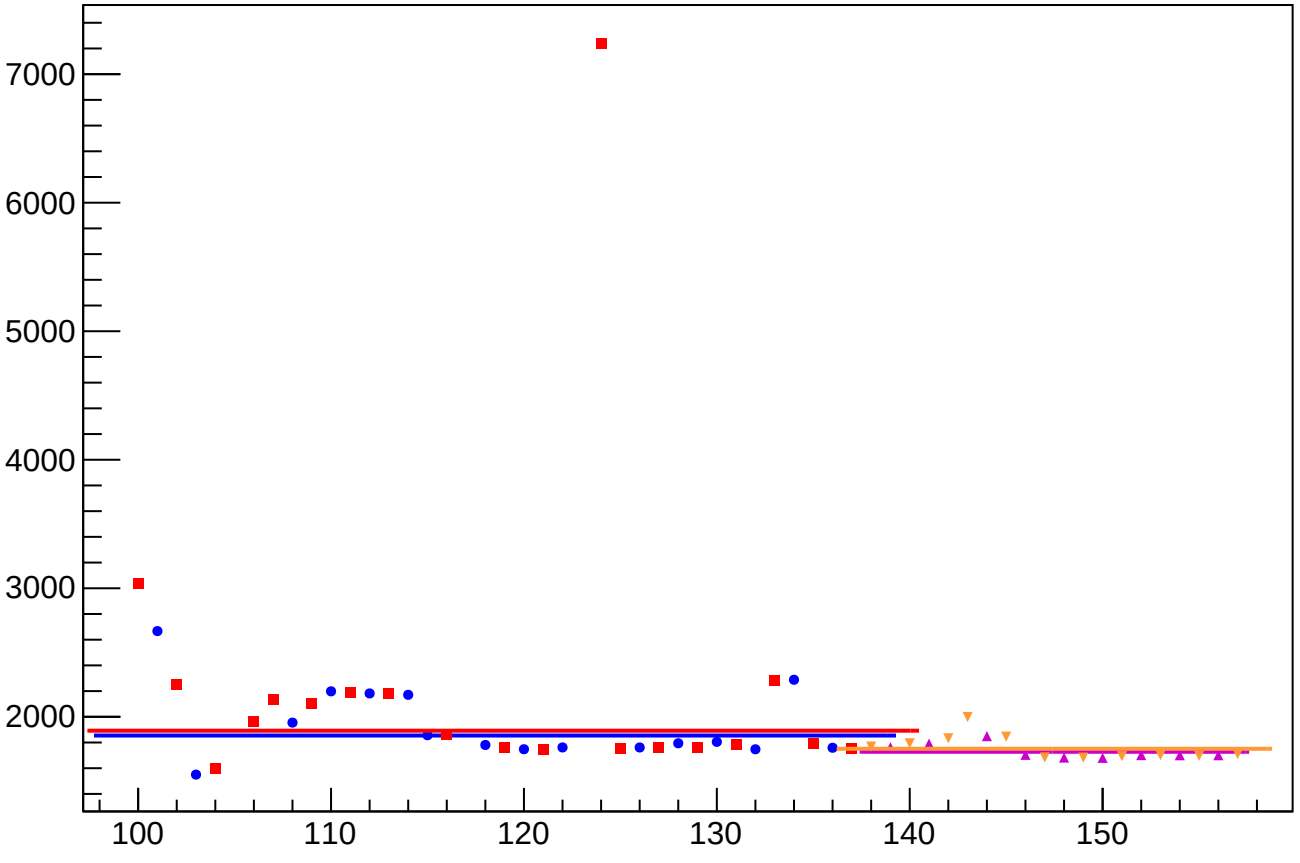
Left In: -2245.667+/-617.296 χ^2/NDF:10.8/8

+ sign 1921.306+/-451.911 χ^2/NDF: 30.1/26

All: 11.026+/-324.062 χ^2/NDF: 93.9/54

- sign -2011.093+/-464.952 χ^2/NDF: 27.0/27

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1751.261+/-0.421 χ^2/NDF:43640.0/10

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

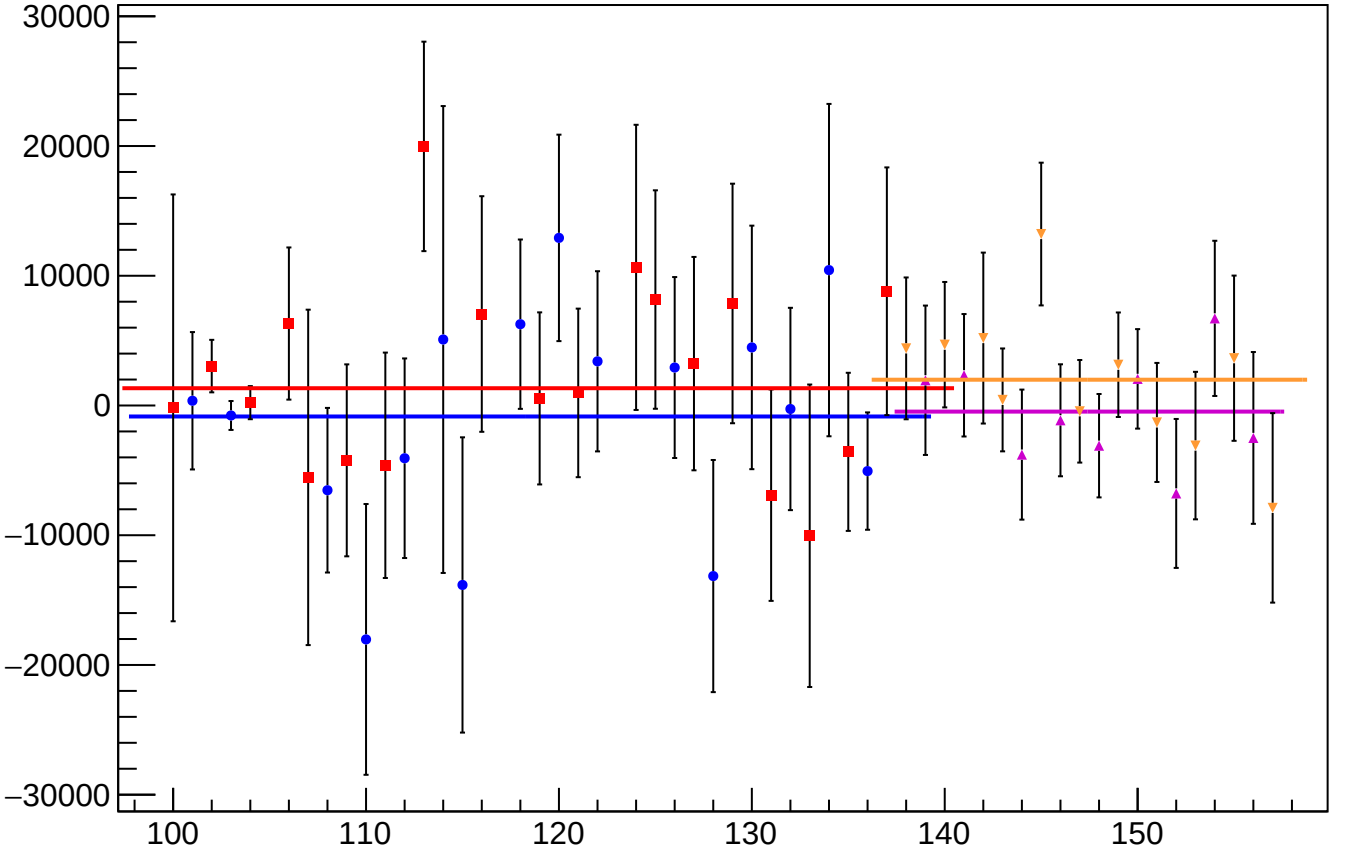
Left In: 1727.852+/-0.436 χ^2/NDF:14910.4/8

+ sign 1794.824+/-0.320 χ^2/NDF: 332341.8/26

All: 1796.861+/-0.229 χ^2/NDF: 772908.7/54

- sign 1799.013+/-0.328 χ^2/NDF: 440483.3/27

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1986.844+/-1501.752 χ^2/NDF:8.7/10

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

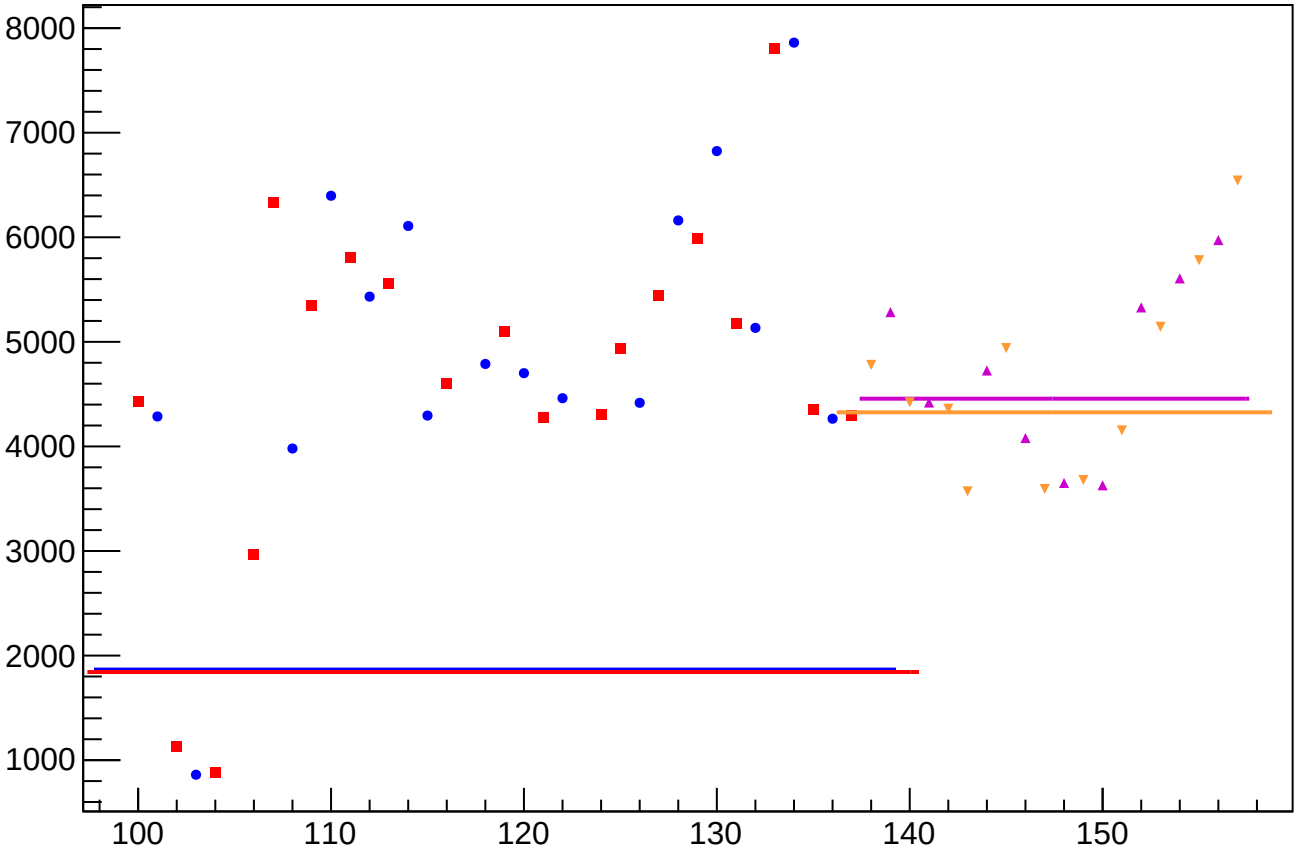
Left In: -470.874+/-1620.819 χ^2/NDF:4.6/8

+ sign -21.780+/-810.567 χ^2/NDF: 25.1/26

All: 420.739+/-575.911 χ^2/NDF: 45.7/54

- sign 871.867+/-818.412 χ^2/NDF: 20.0/27

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4326.182+/-1.062 χ^2/NDF:565410.8/10

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

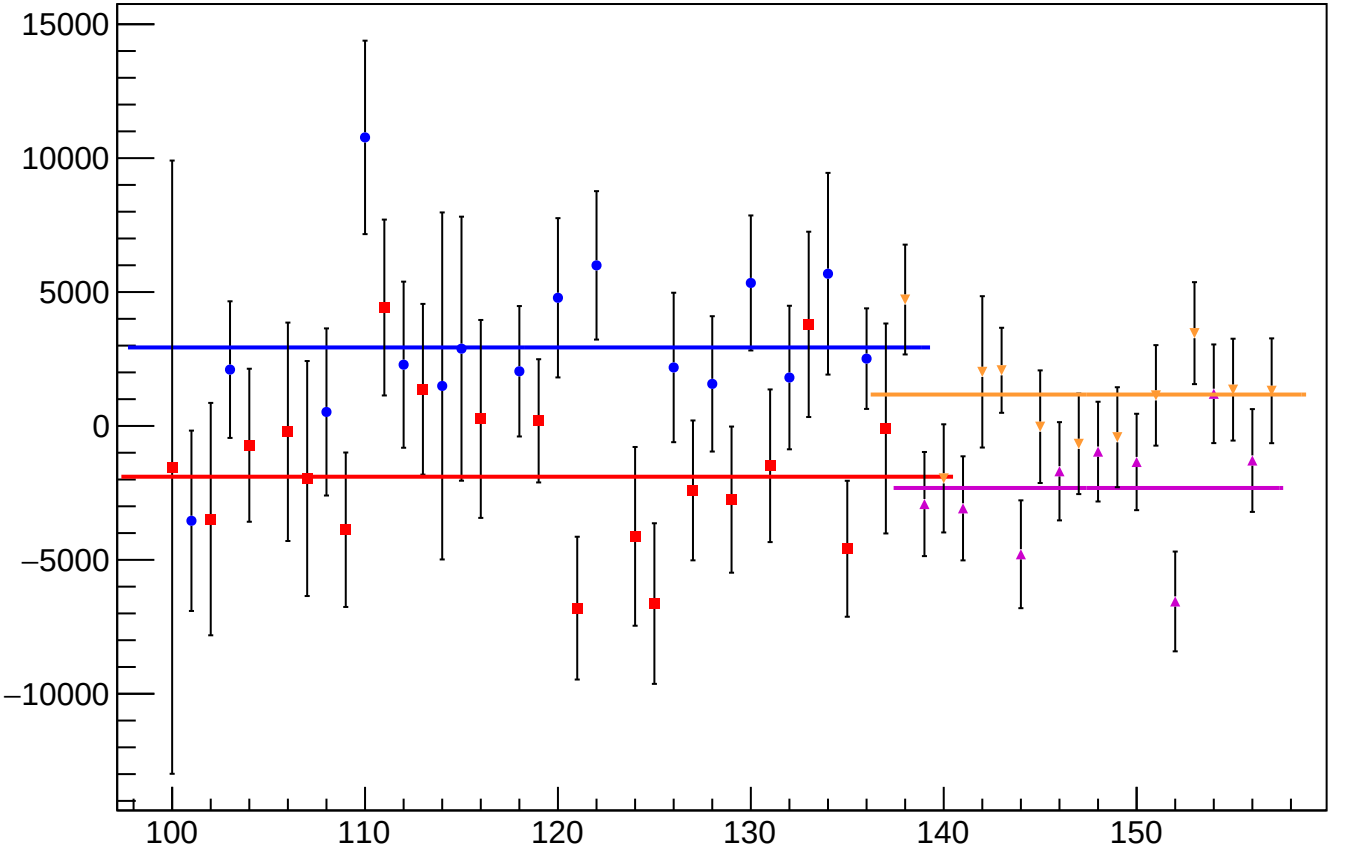
Left In: 4456.656+/-1.146 χ^2/NDF:462714.4/8

+ sign 2582.897+/-0.573 χ^2/NDF: 11218461.6/26

All: 2546.450+/-0.407 χ^2/NDF: 22022833.7/5

- sign 2509.295+/-0.579 χ^2/NDF: 10796206.3/27

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.087+/-587.261 χ^2/NDF:9.3/10

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

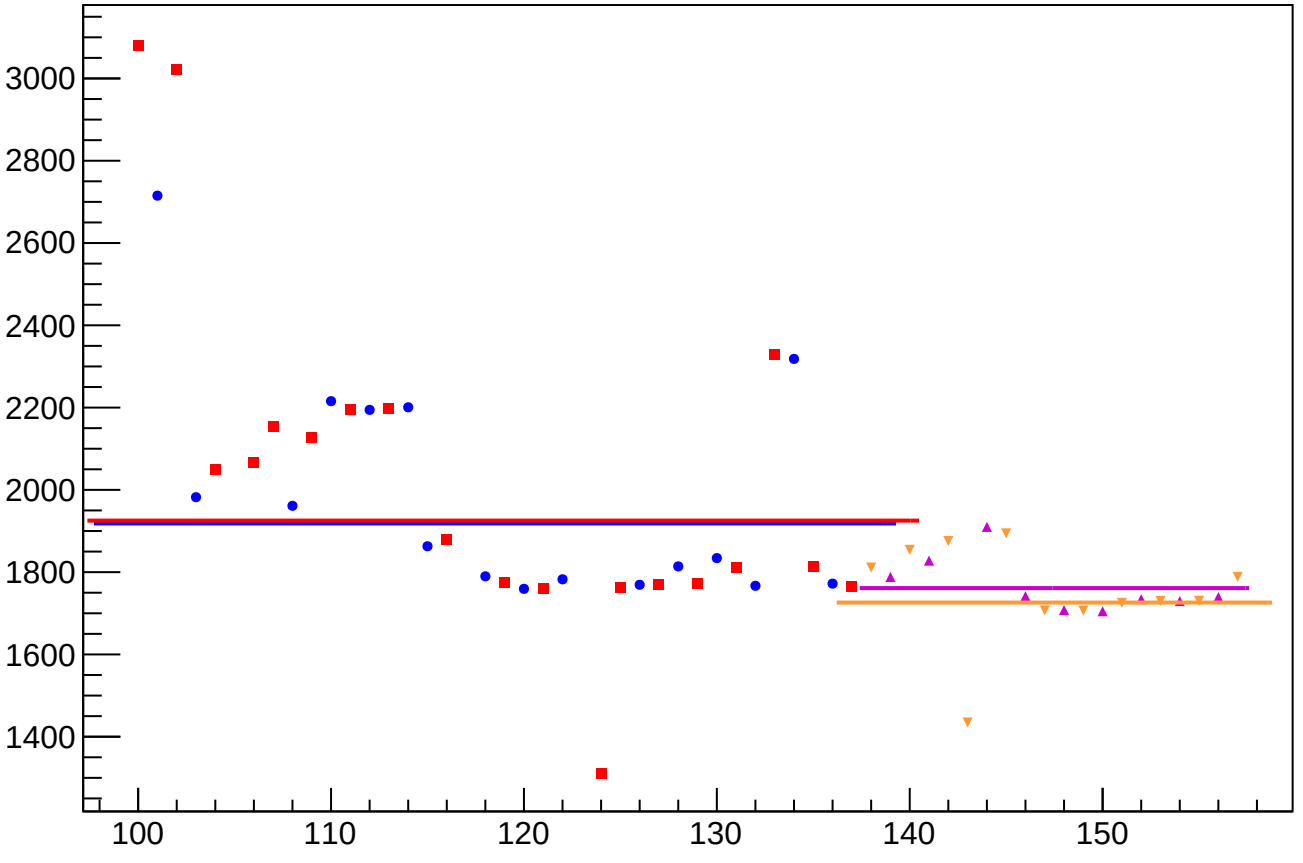
Left In: -2315.809+/-629.343 χ^2/NDF:11.8/8

+ sign 1877.633+/-454.653 χ^2/NDF: 25.9/26

All: -43.116+/-328.247 χ^2/NDF: 92.5/54

- sign -2134.326+/-474.399 χ^2/NDF: 29.4/27

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.127+/-0.415 χ^2/NDF:99734.8/10

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

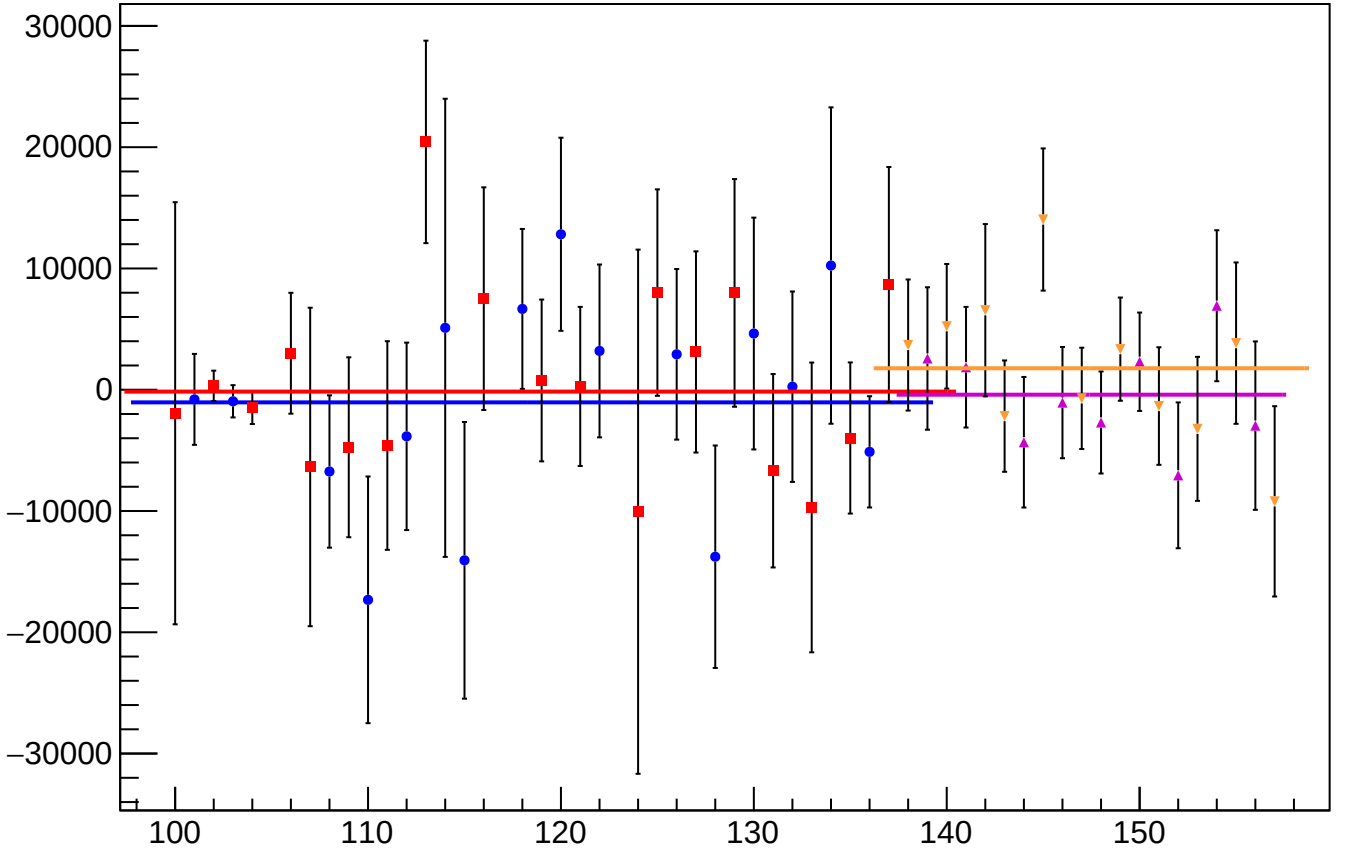
Left In: 1761.287+/-0.445 χ^2/NDF:18760.0/8

+ sign 1803.144+/-0.321 χ^2/NDF: 401188.8/26

All: 1817.038+/-0.232 χ^2/NDF: 821621.6/54

- sign 1832.154+/-0.335 χ^2/NDF: 416532.9/27

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 1770.642+/-1599.608 χ^2/NDF:9.8/10

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

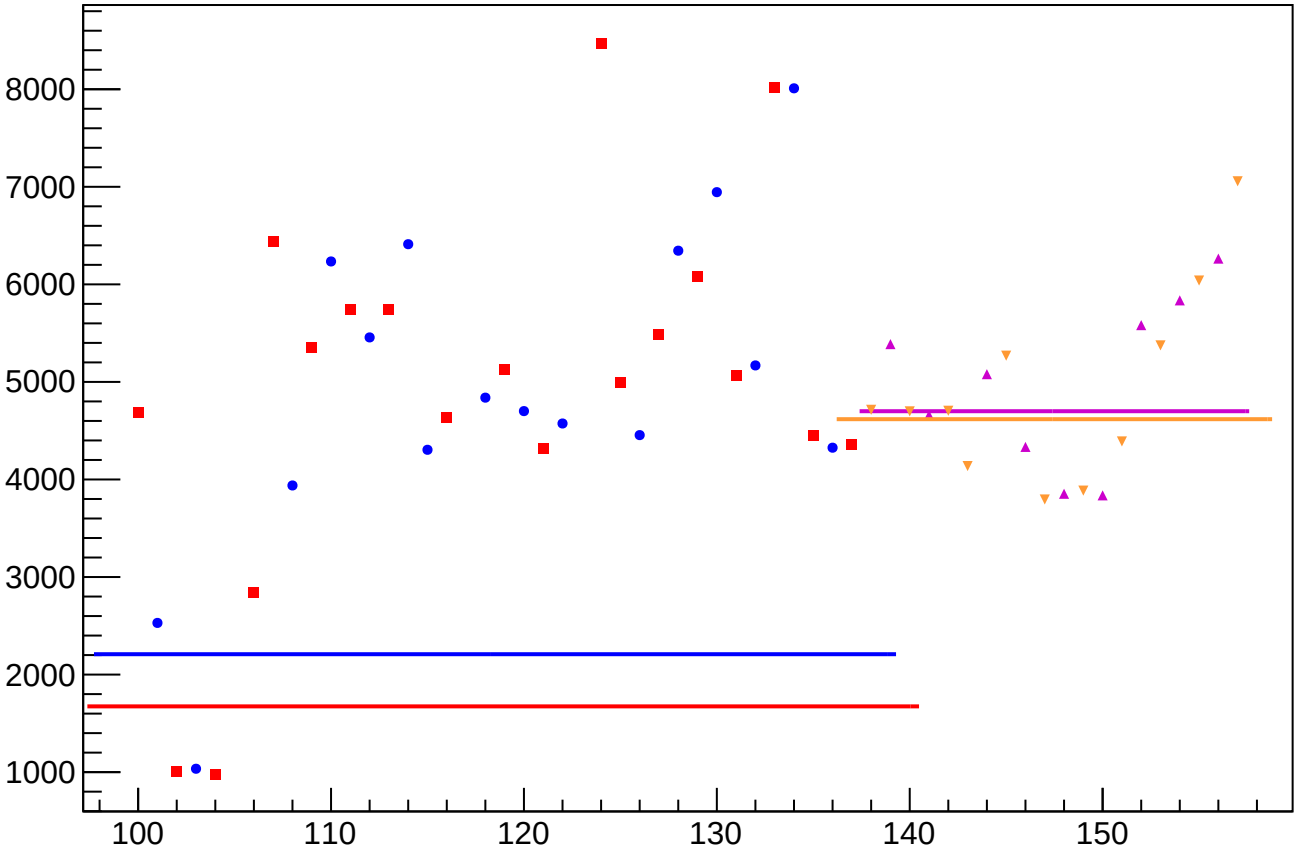
Left In: -408.567+/-1707.572 χ^2/NDF:4.5/8

+ sign -169.769+/-890.751 χ^2/NDF: 25.8/26

All: -189.132+/-573.983 χ^2/NDF: 44.0/54

- sign -202.880+/-750.594 χ^2/NDF: 18.3/27

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4618.022+/-1.131 χ^2/NDF:506260.6/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

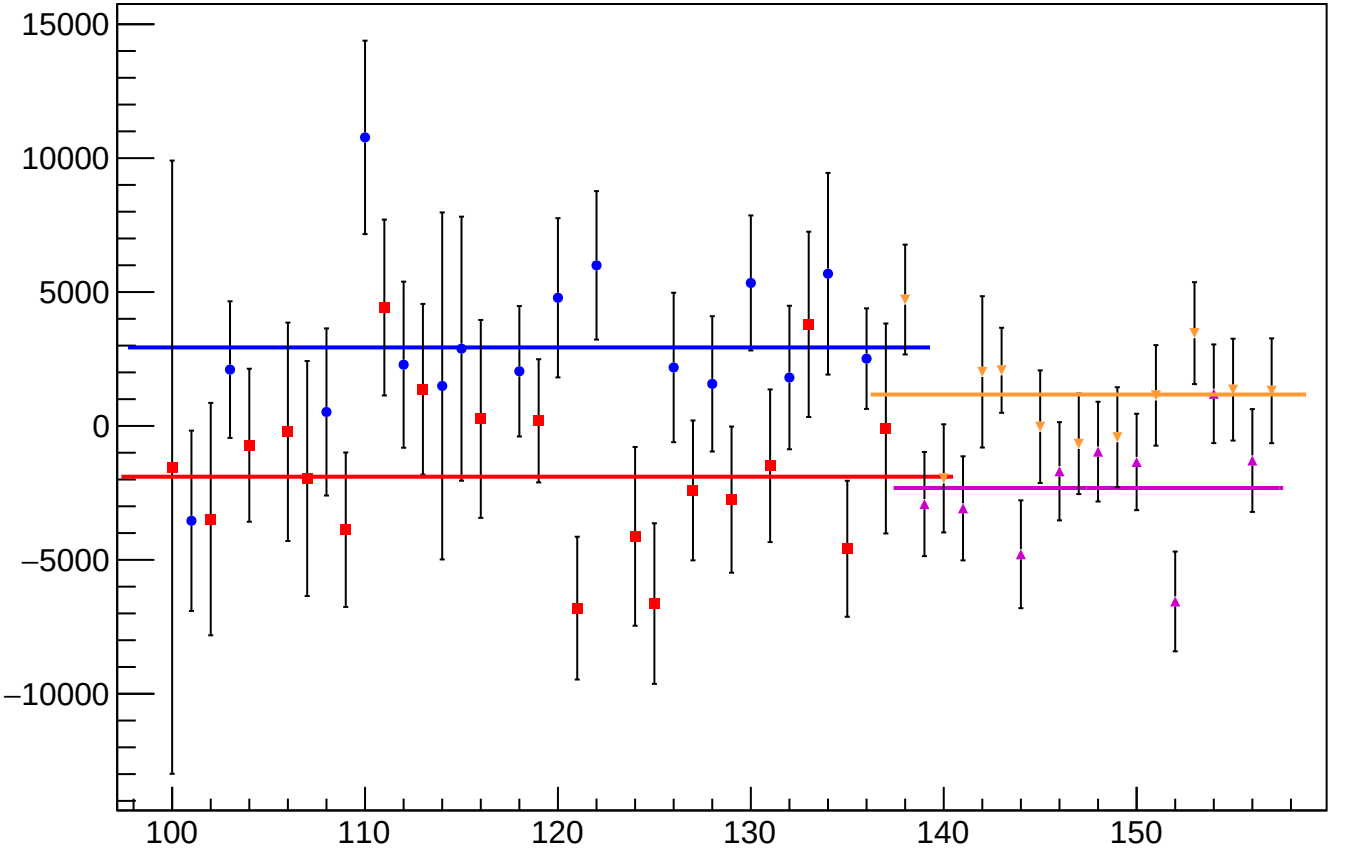
Left In: 4699.702+/-1.207 χ^2/NDF:432842.2/8

+ sign 2955.948+/-0.630 χ^2/NDF: 9135023.3/26

All: 2548.249+/-0.406 χ^2/NDF: 22203192.7/5

- sign 2258.756+/-0.531 χ^2/NDF: 12351679.1/27

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1173.083+/-587.262 χ^2/NDF:9.3/10

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

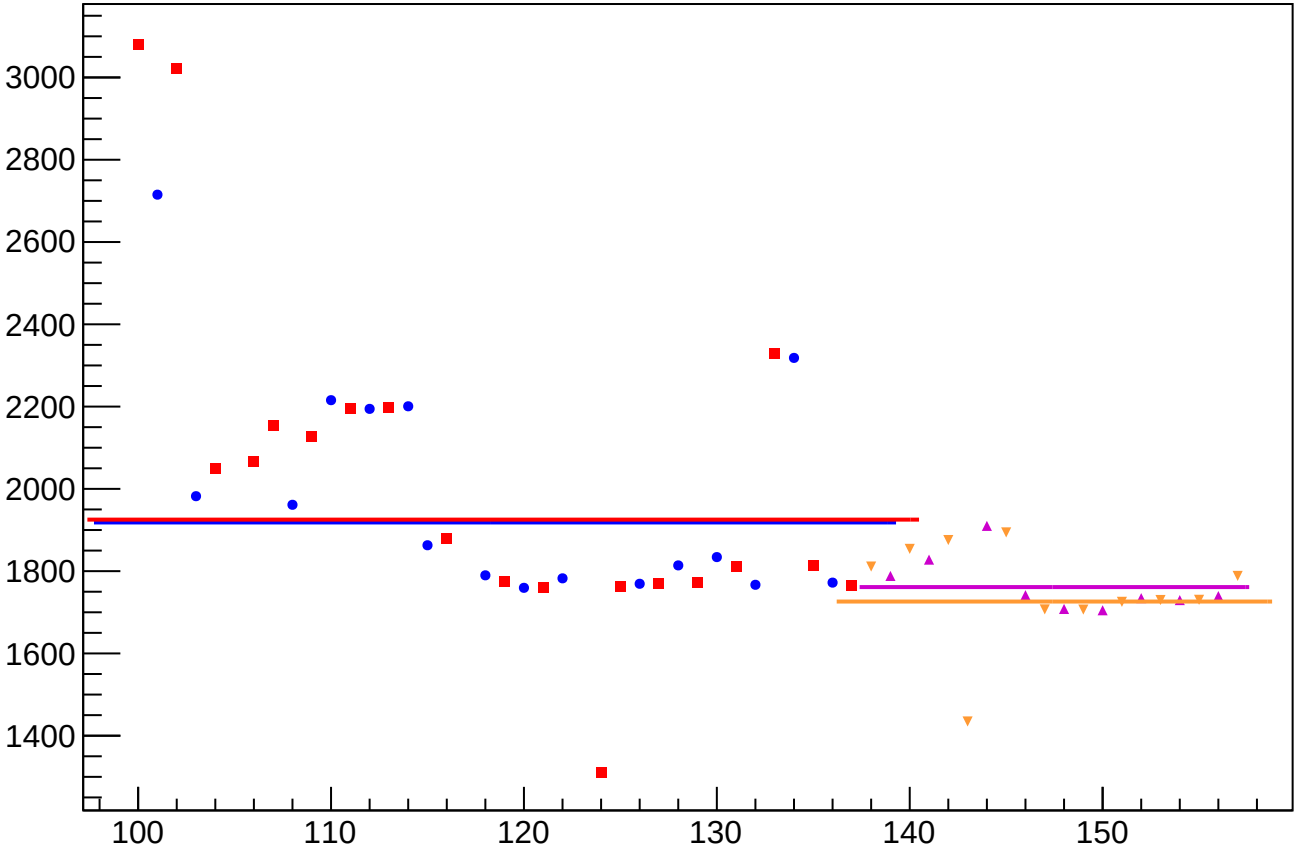
Left In: -2315.805+/-629.343 χ^2/NDF:11.8/8

+ sign 1877.632+/-454.653 χ^2/NDF: 25.9/26

All: -43.116+/-328.247 χ^2/NDF: 92.5/54

- sign -2134.327+/-474.399 χ^2/NDF: 29.4/27

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1726.128+/-0.415 χ^2/NDF:99733.9/10

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

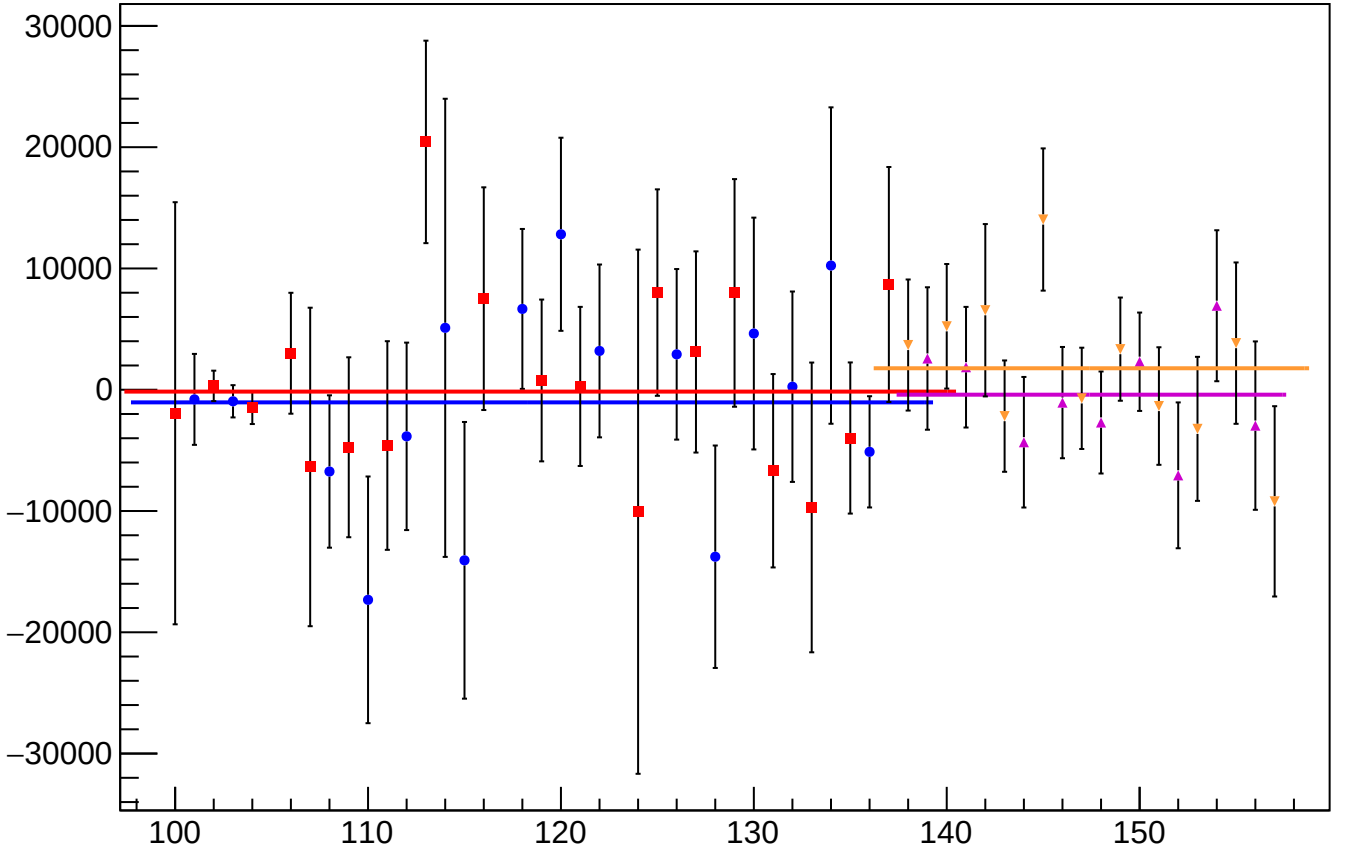
Left In: 1761.288+/-0.445 χ^2/NDF:18760.0/8

+ sign 1803.144+/-0.321 χ^2/NDF: 401186.5/26

All: 1817.038+/-0.232 χ^2/NDF: 821617.4/54

- sign 1832.154+/-0.335 χ^2/NDF: 416531.0/27

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 1770.639+/-1599.610 χ^2/NDF:9.8/10

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

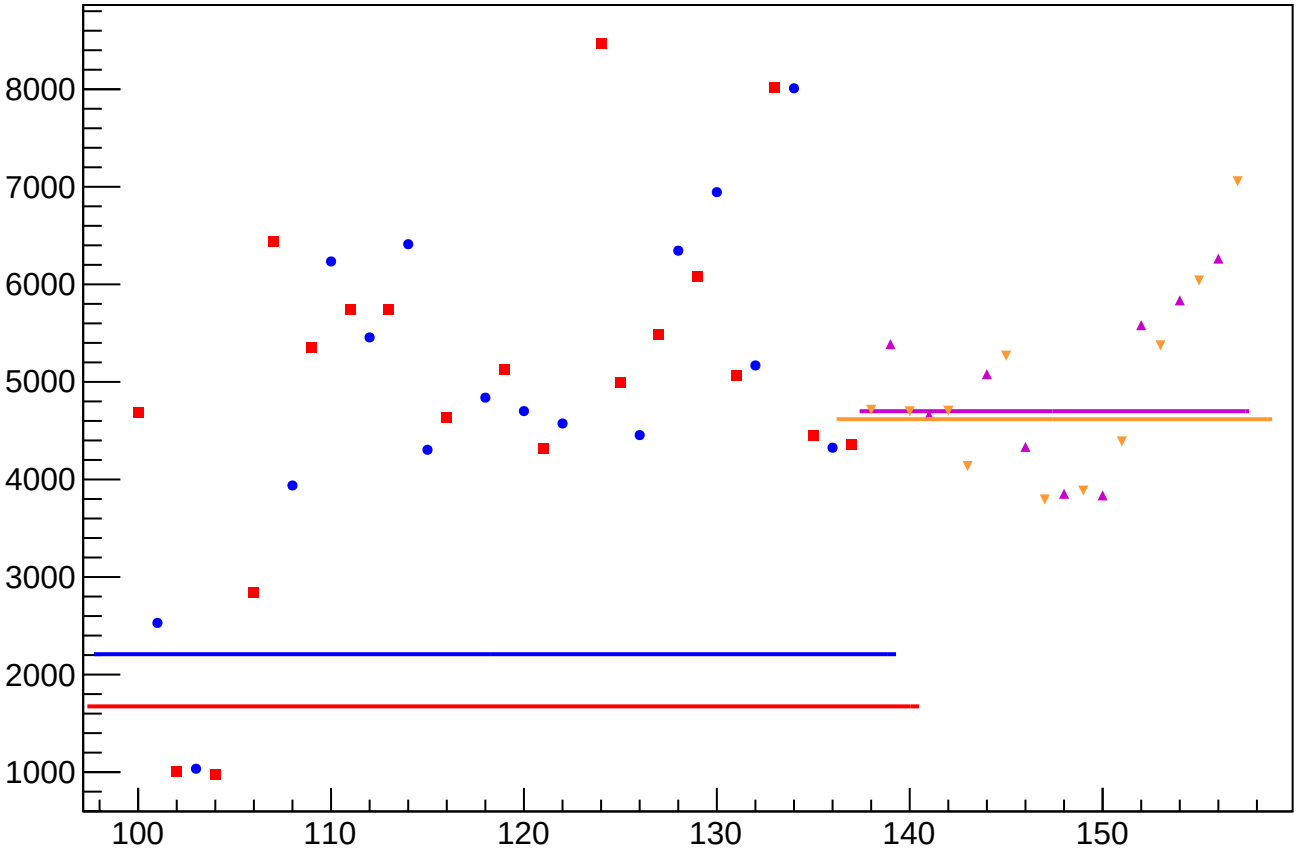
Left In: -408.564+/-1707.574 χ^2/NDF:4.5/8

+ sign -169.771+/-890.750 χ^2/NDF: 25.8/26

All: -189.130+/-573.982 χ^2/NDF: 44.0/54

- sign -202.875+/-750.593 χ^2/NDF: 18.3/27

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4618.028+/-1.131 χ^2/NDF:506258.5/10

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

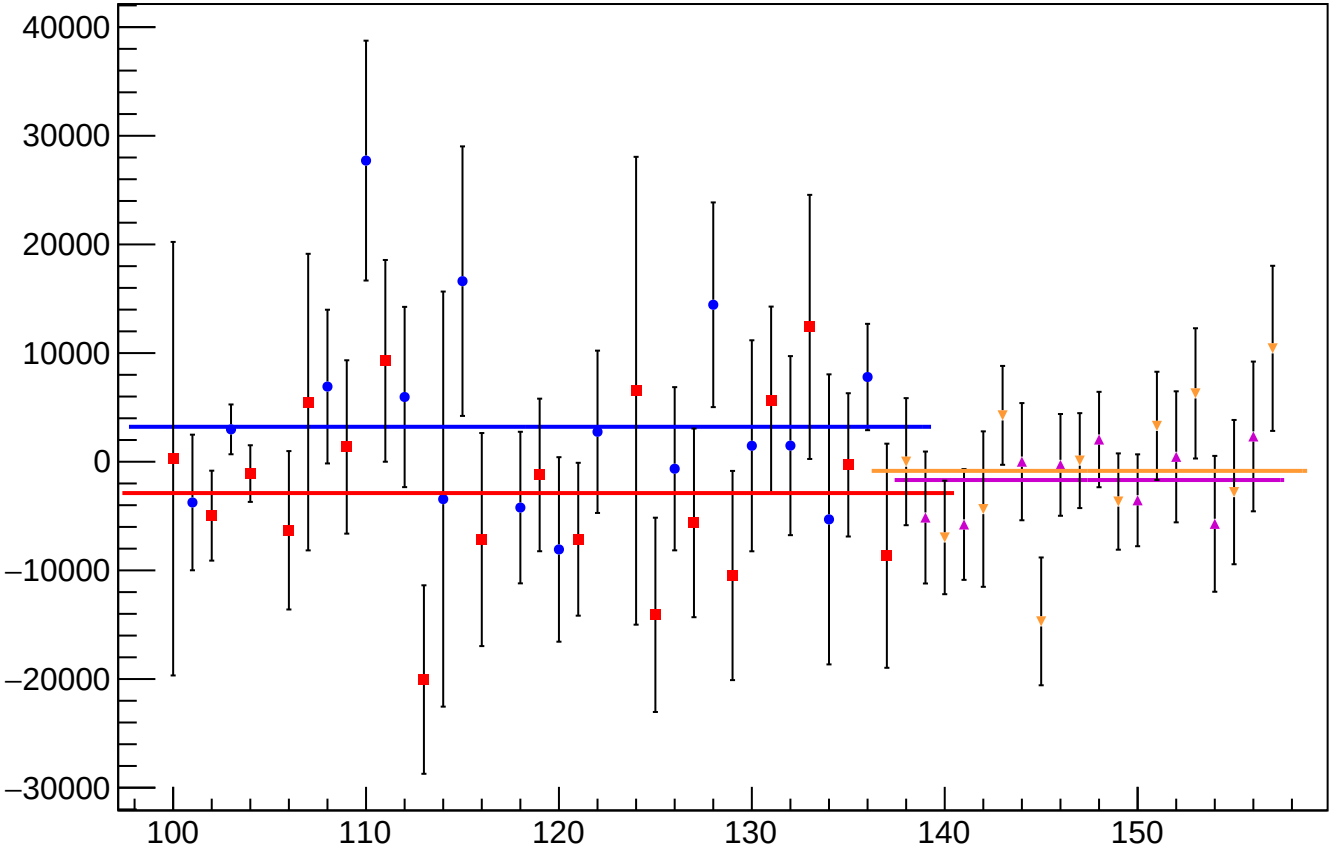
Left In: 4699.709+/-1.207 χ^2/NDF:432839.7/8

+ sign 2955.948+/-0.630 χ^2/NDF: 9135028.7/26

All: 2548.248+/-0.406 χ^2/NDF: 22203200.7/5

- sign 2258.756+/-0.531 χ^2/NDF: 12351681.3/27

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -840.738+/-1634.980 χ^2/NDF:13.3/10

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

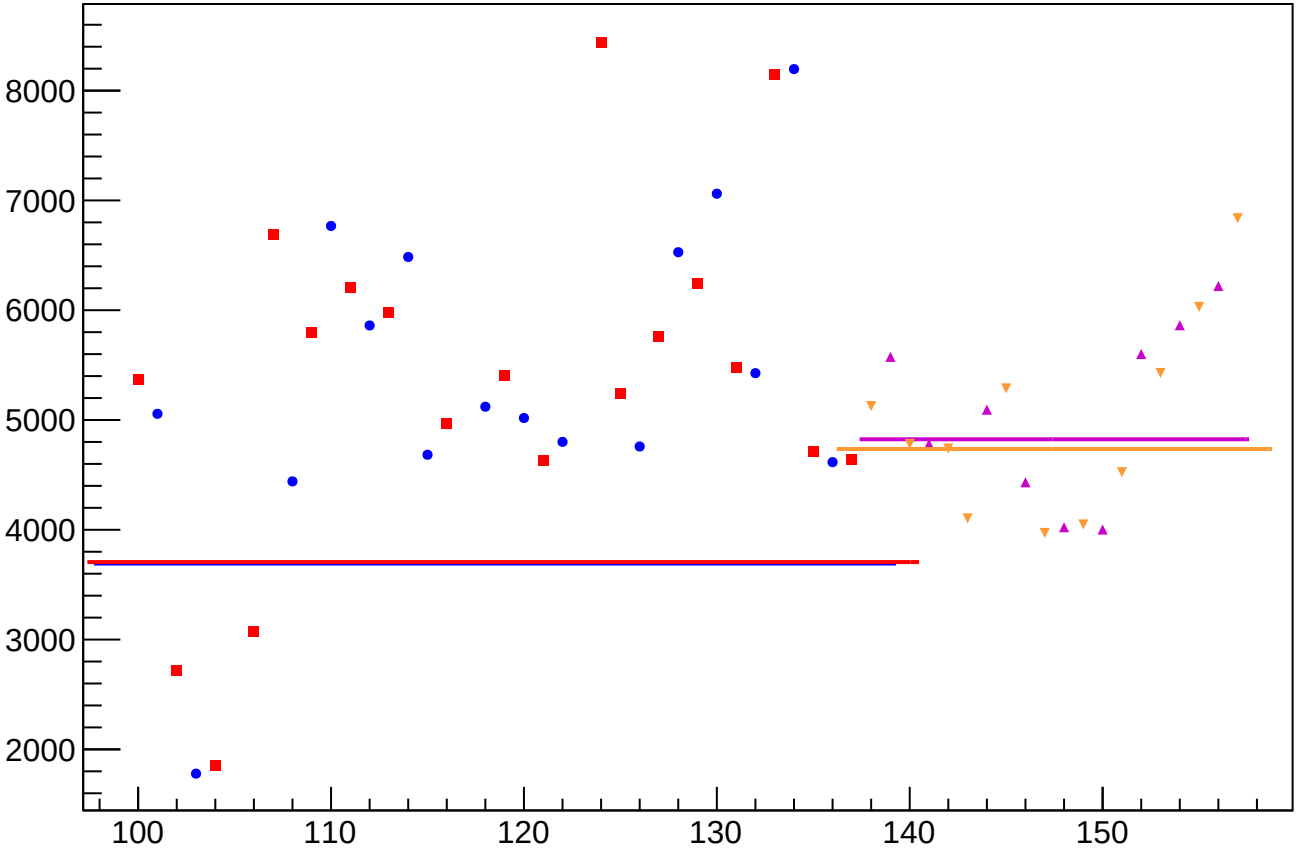
Left In: -1683.702+/-1747.406 χ^2/NDF:2.9/8

+ sign 1309.687+/-1120.734 χ^2/NDF: 30.4/26

All: -458.555+/-806.151 χ^2/NDF: 52.1/54

- sign -2354.315+/-1160.441 χ^2/NDF: 16.6/27

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4736.050+/-1.156 χ^2/NDF:434031.4/10

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

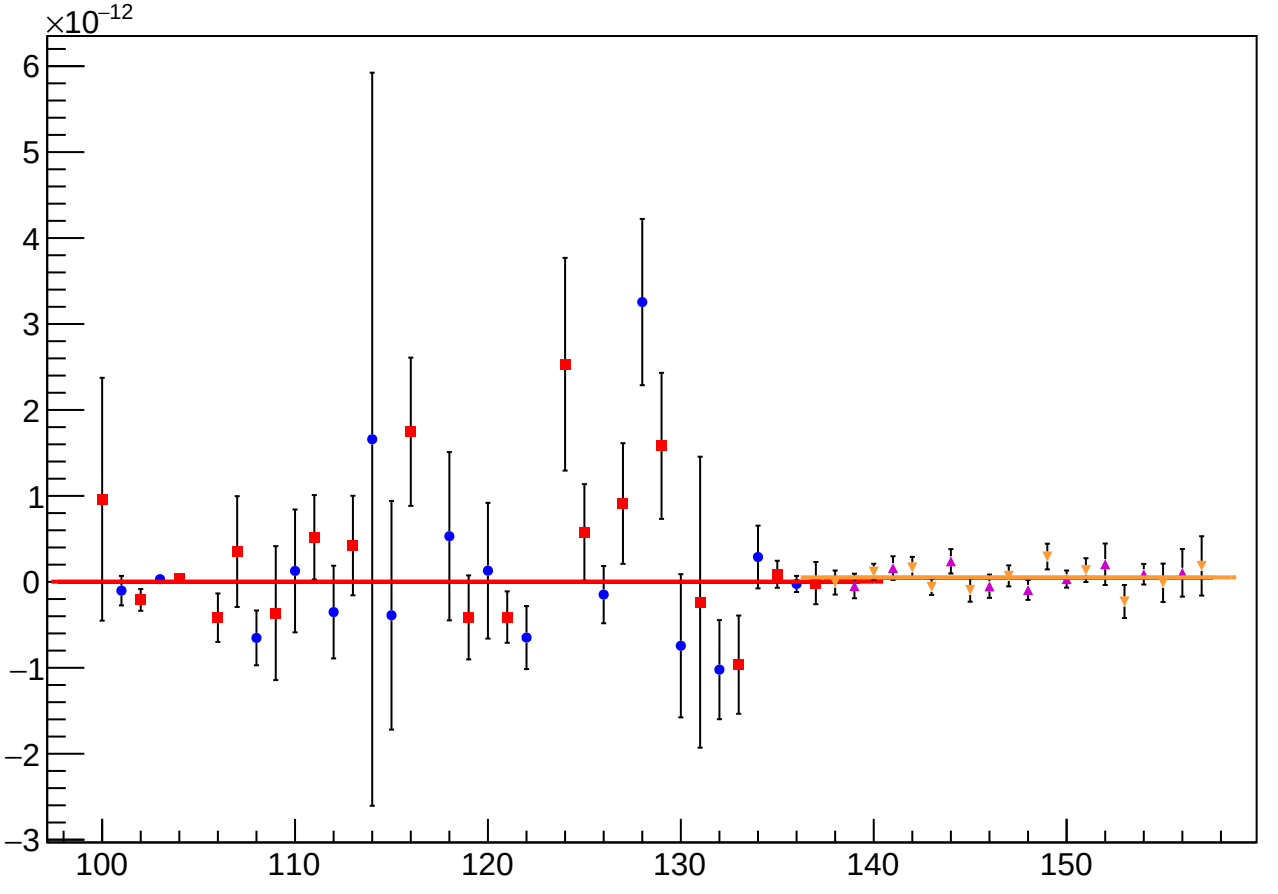
Left In: 4824.244+/-1.236 χ^2/NDF:362290.7/8

+ sign 4183.003+/-0.792 χ^2/NDF: 3751357.5/26

All: 4188.191+/-0.568 χ^2/NDF: 7260081.3/54

- sign 4193.690+/-0.816 χ^2/NDF: 3508635.6/27

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

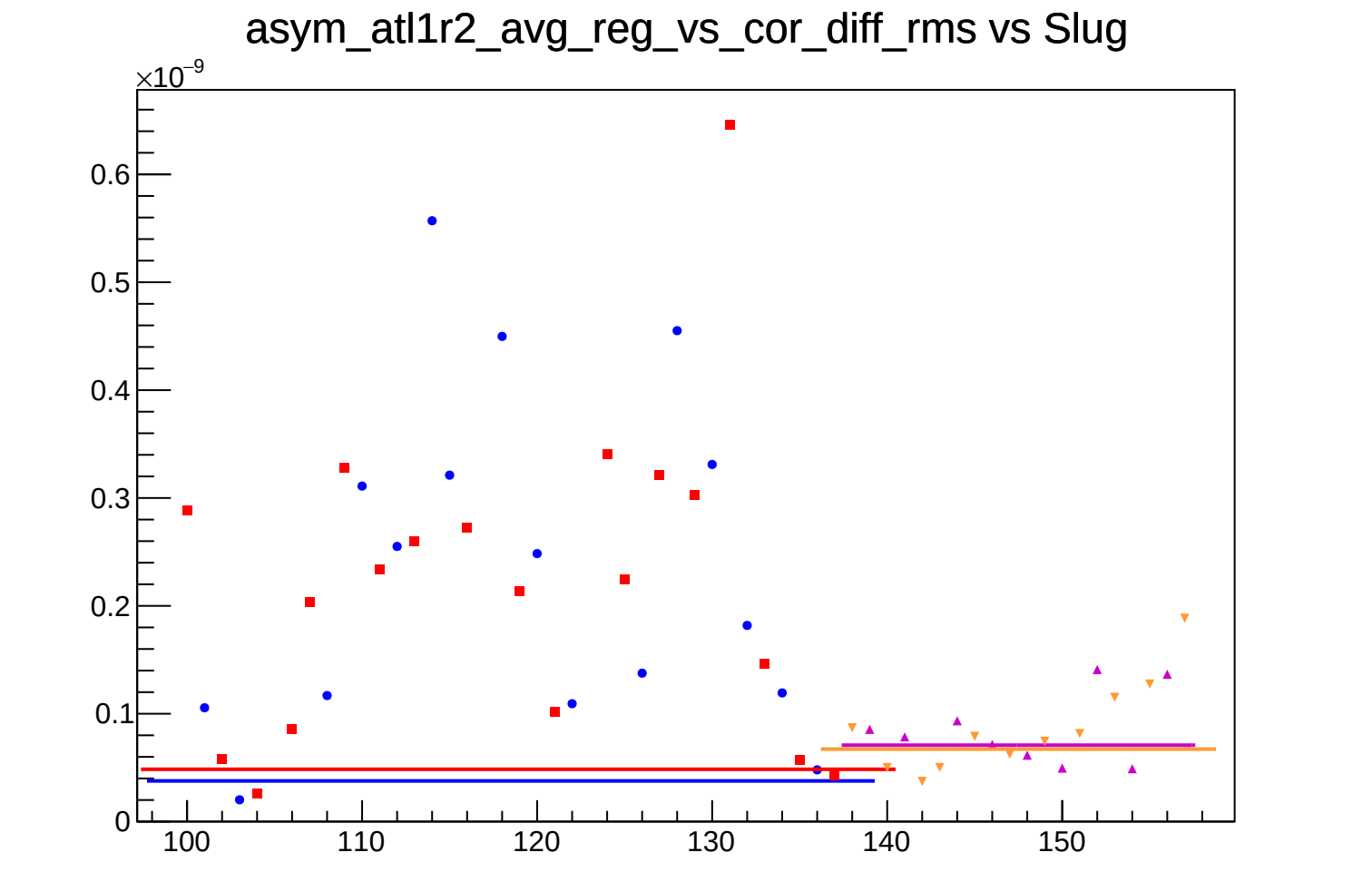
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.9/26

All: 0.000+/-0.000 χ^2/NDF: 70.2/54

- sign 0.000+/-0.000 χ^2/NDF: 34.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:855343.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

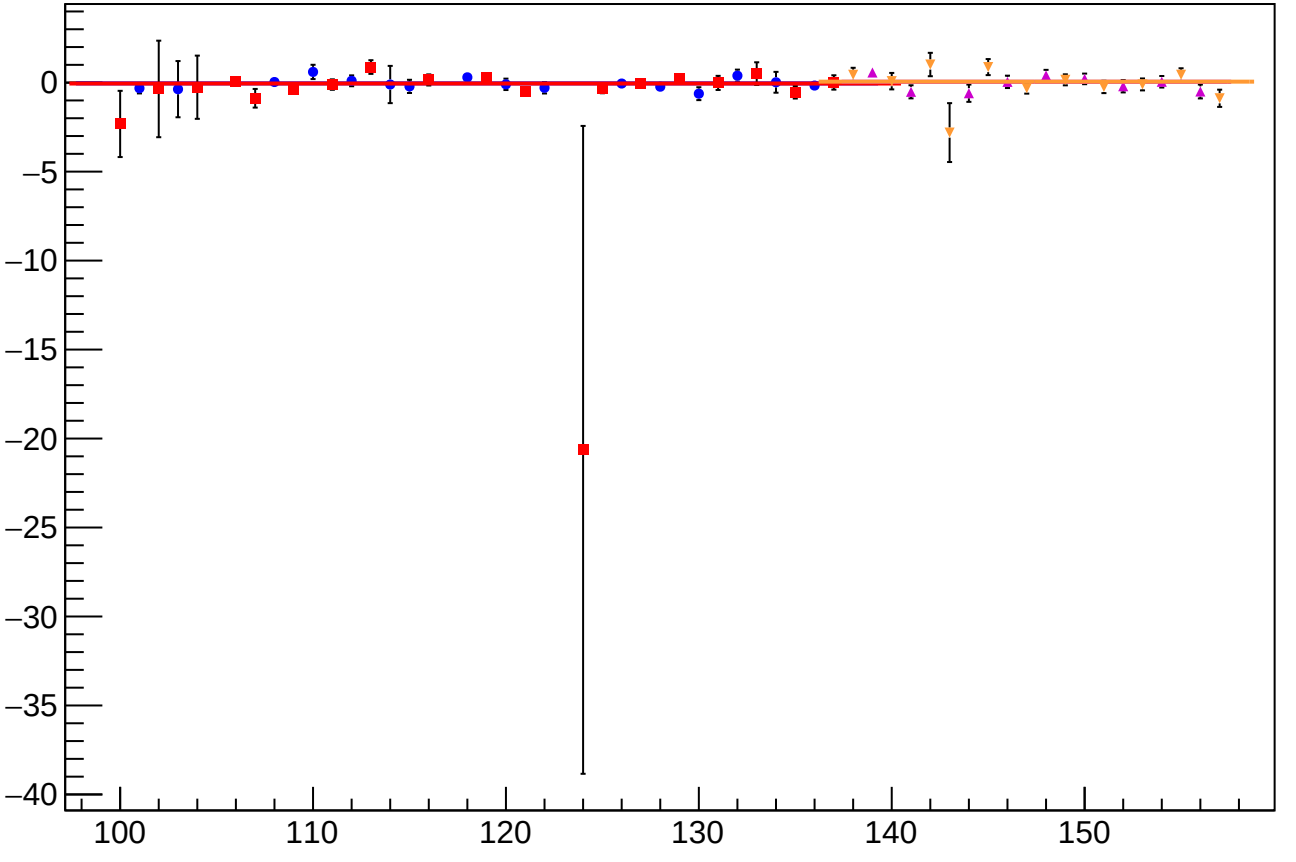
Left In: 0.000+/-0.000 χ^2/NDF:530924.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 4590935.6/26

All: 0.000+/-0.000 χ^2/NDF: 8344579.6/54

- sign 0.000+/-0.000 χ^2/NDF: 3671200.8/27

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

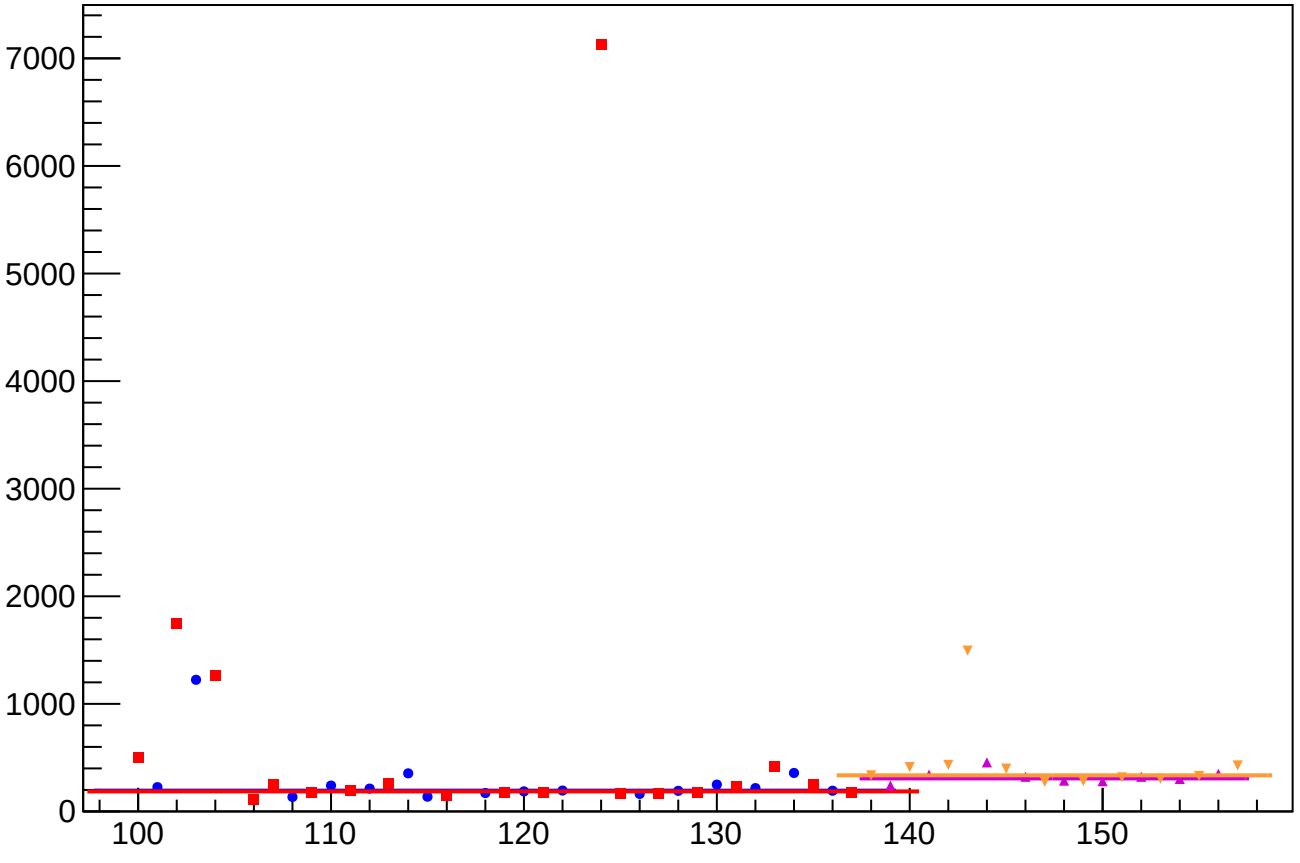
Left In: 0.048+/-0.112 χ^2/NDF:11.8/8

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.015+/-0.046 χ^2/NDF: 64.3/54

- sign -0.017+/-0.065 χ^2/NDF: 35.3/27

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.843+/-0.085 χ^2/NDF:1354476.1/10

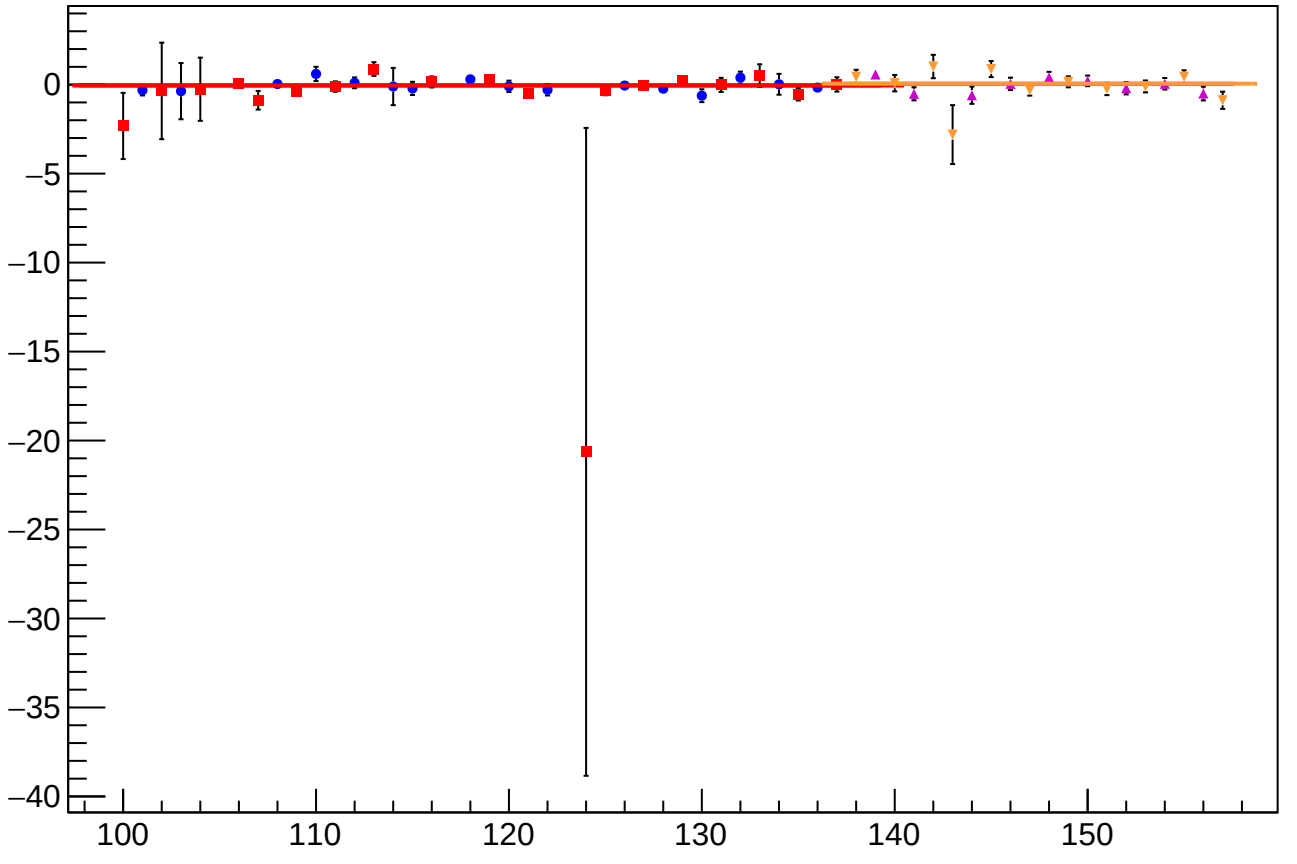
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.087+/-0.079 χ^2/NDF:382307.1/8

+ sign 235.206+/-0.046 χ^2/NDF: 4742109.7/26

All: 230.618+/-0.032 χ^2/NDF: 9169280.3/54

- sign 226.141+/-0.046 χ^2/NDF: 4407672.2/27



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

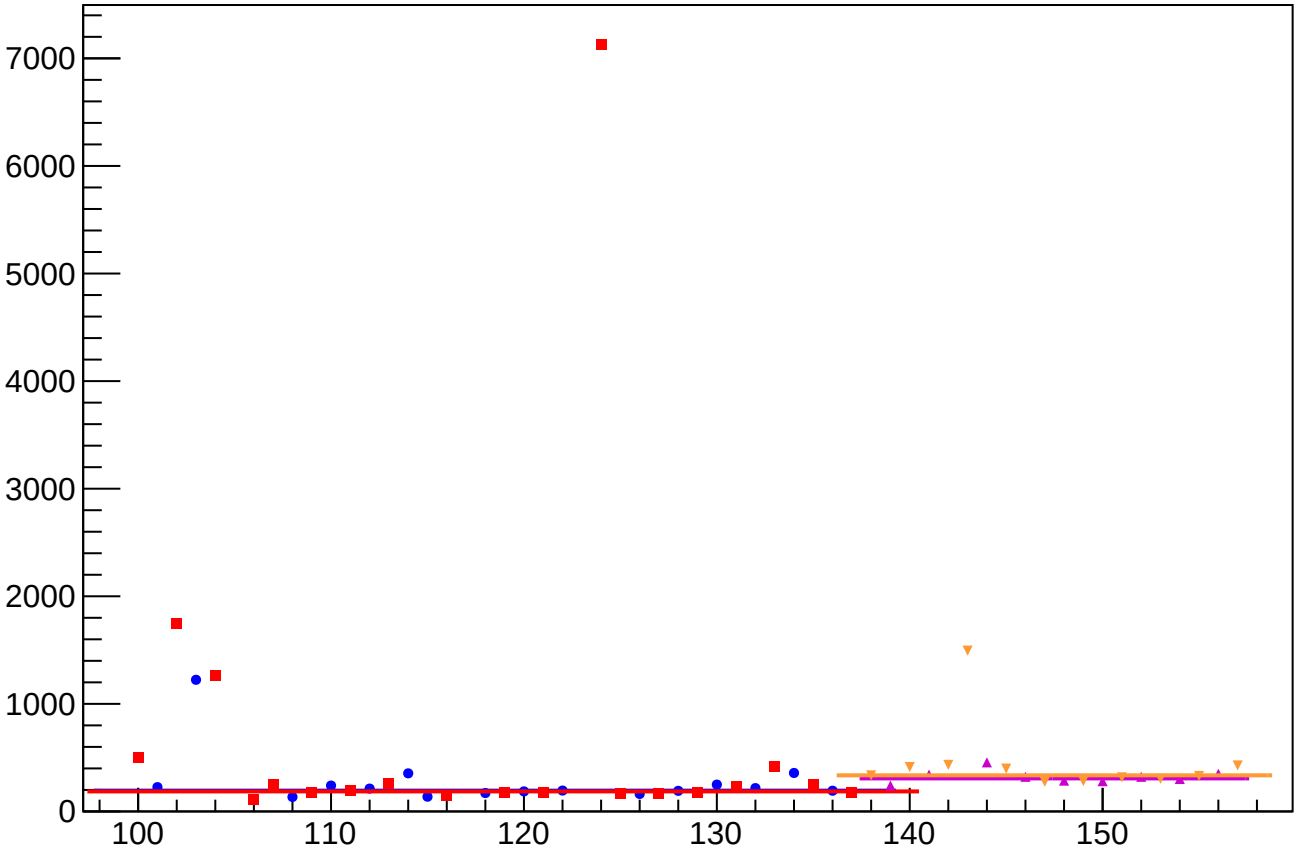
Left In: 0.048+/-0.112 χ^2/NDF:11.8/8

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.015+/-0.046 χ^2/NDF: 64.3/54

- sign -0.017+/-0.065 χ^2/NDF: 35.3/27

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.843+/-0.085 χ^2/NDF:1354476.1/10

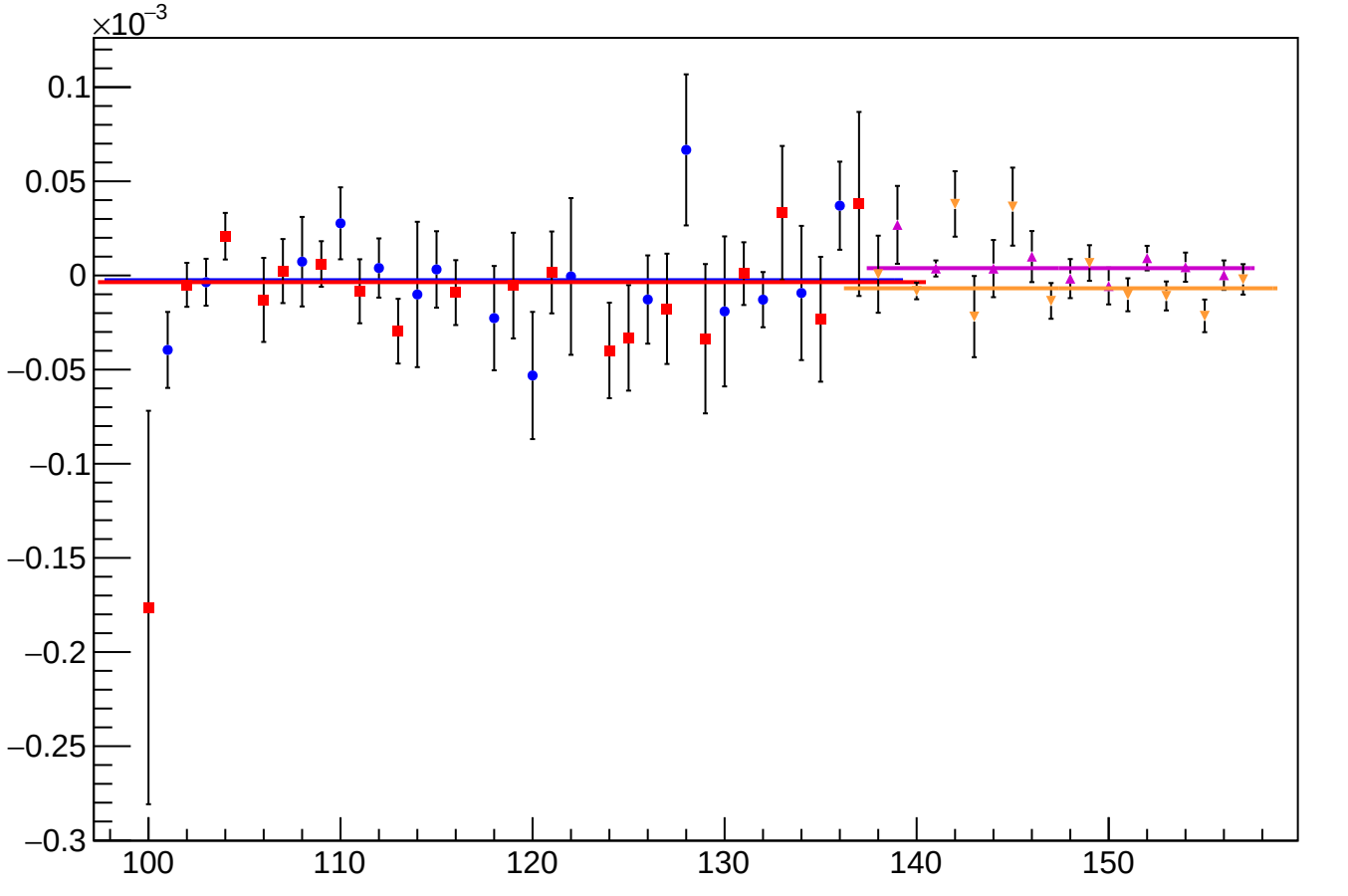
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 307.087+/-0.079 χ^2/NDF:382307.1/8

+ sign 235.206+/-0.046 χ^2/NDF: 4742109.7/26

All: 230.618+/-0.032 χ^2/NDF: 9169280.3/54

- sign 226.141+/-0.046 χ^2/NDF: 4407672.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.9/10

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

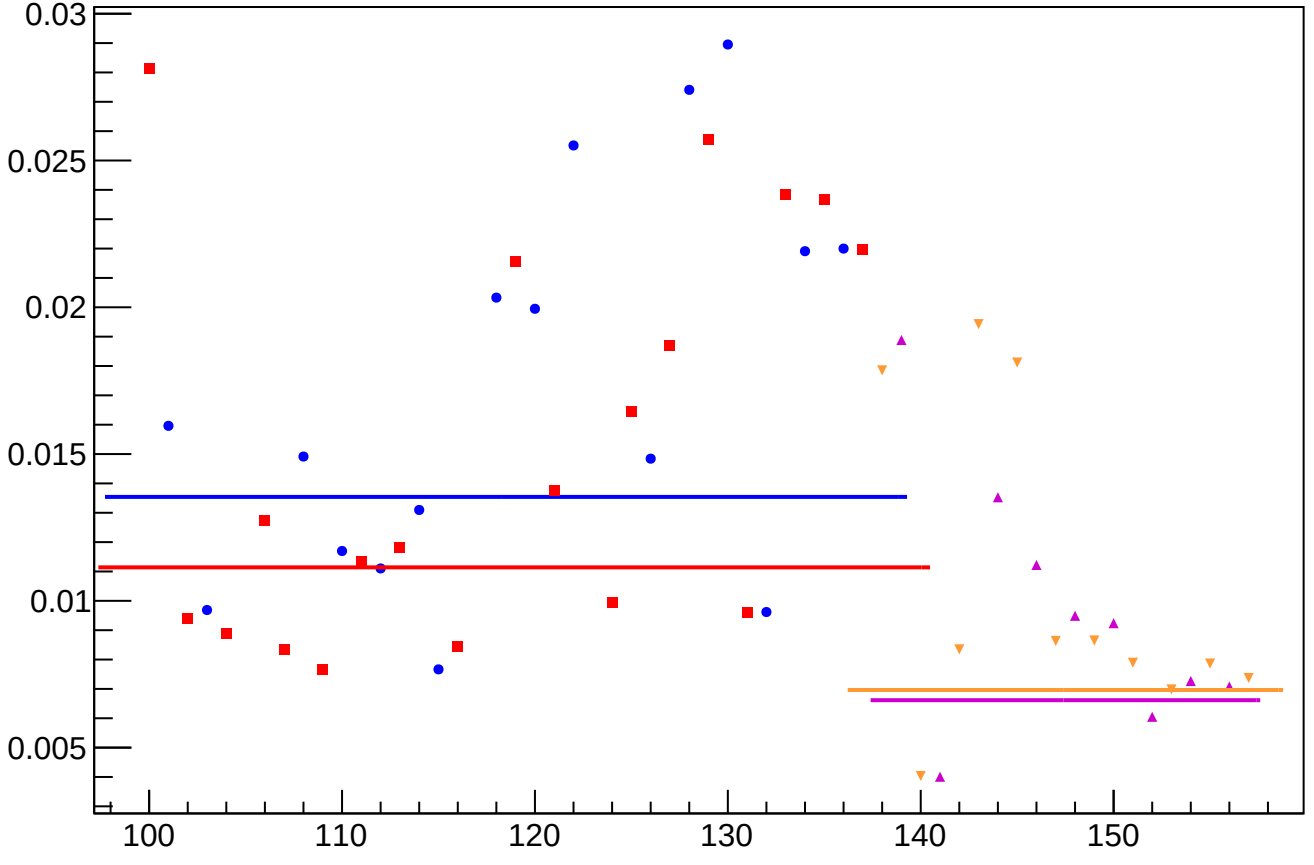
Left In: 0.000+/-0.000 χ^2/NDF:3.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/26

All: -0.000+/-0.000 χ^2/NDF: 62.0/54

- sign 0.000+/-0.000 χ^2/NDF: 21.9/27

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2887650.7/10

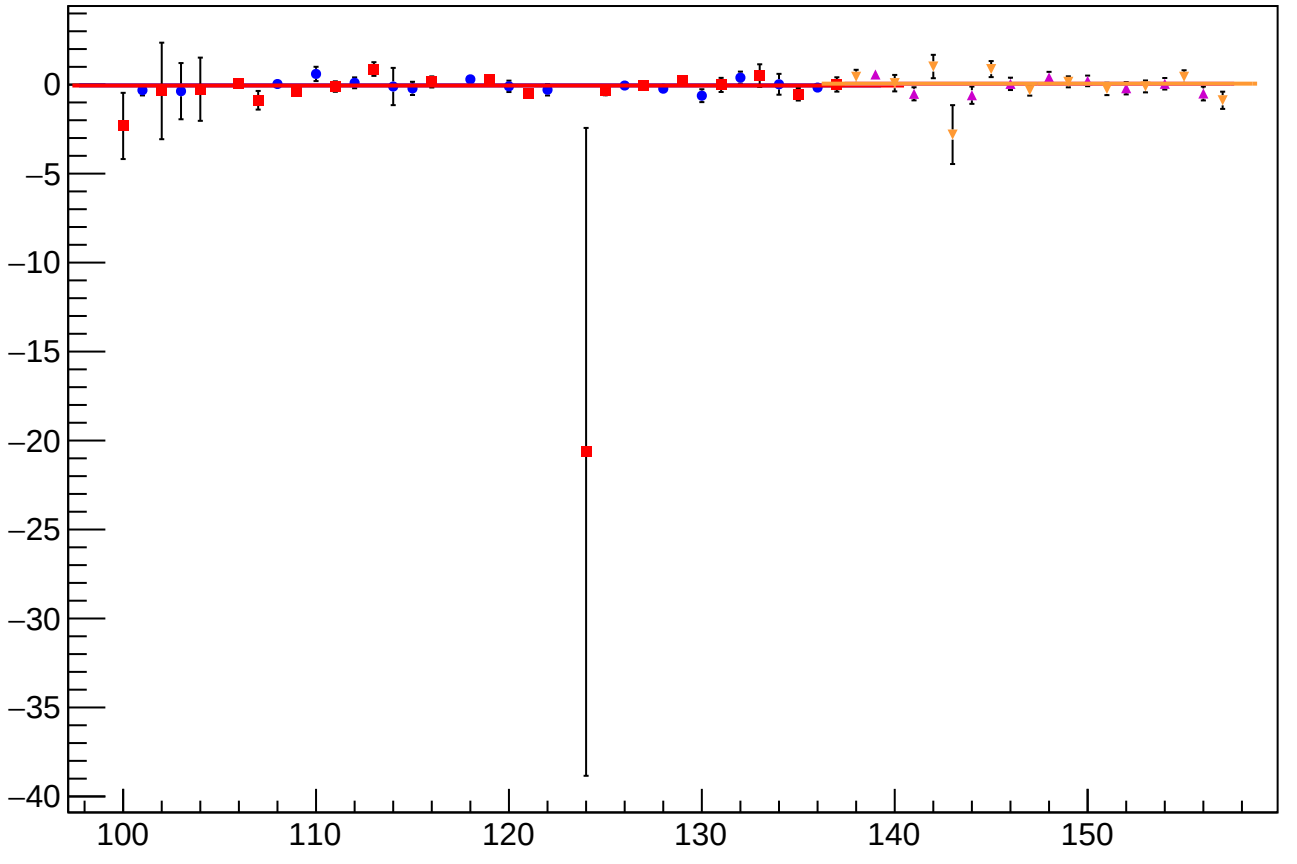
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2430397.6/8

+ sign 0.008+/-0.000 χ^2/NDF: 7120827.7/26

All: 0.008+/-0.000 χ^2/NDF: 12995325.2/54

- sign 0.008+/-0.000 χ^2/NDF: 5840633.7/27



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

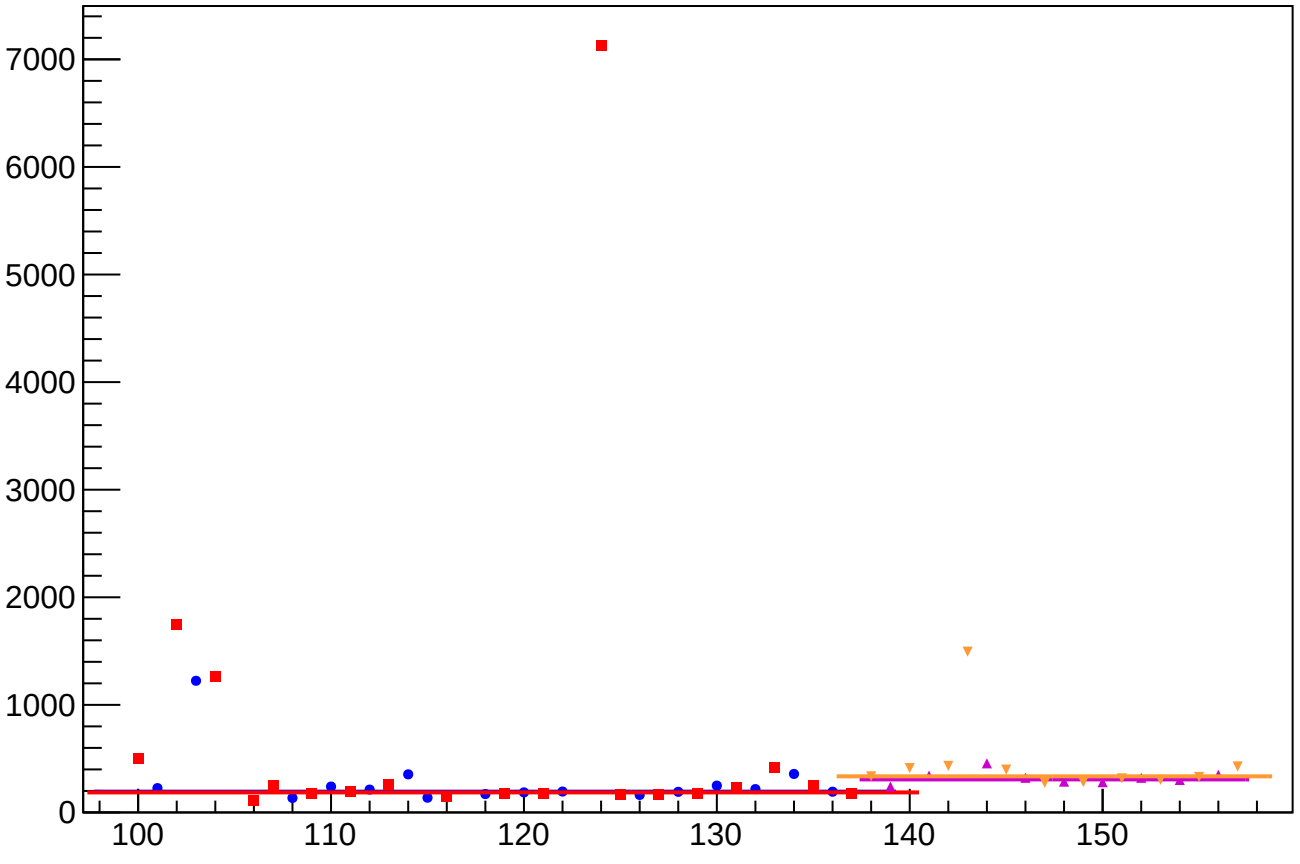
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.048+/-0.112 χ^2/NDF:11.8/8

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.015+/-0.046 χ^2/NDF: 64.3/54

- sign -0.017+/-0.065 χ^2/NDF: 35.3/27



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.847+/-0.085 χ^2/NDF:1354448.1/10

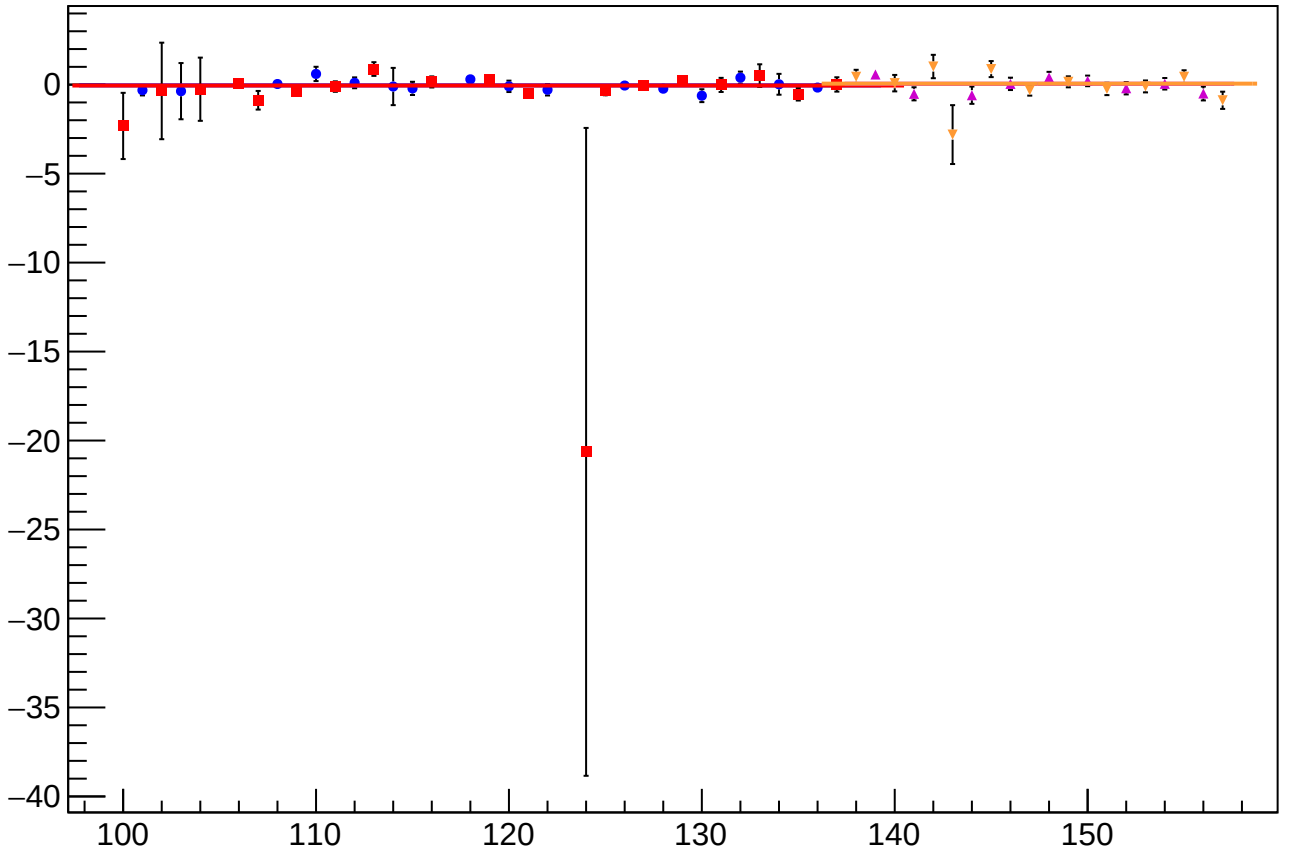
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.091+/-0.079 χ^2/NDF:382283.1/8

+ sign 235.205+/-0.046 χ^2/NDF: 4742197.5/26

All: 230.617+/-0.032 χ^2/NDF: 9169517.2/54

- sign 226.140+/-0.046 χ^2/NDF: 4407819.7/27



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.056+/-0.120 χ^2/NDF:16.8/10

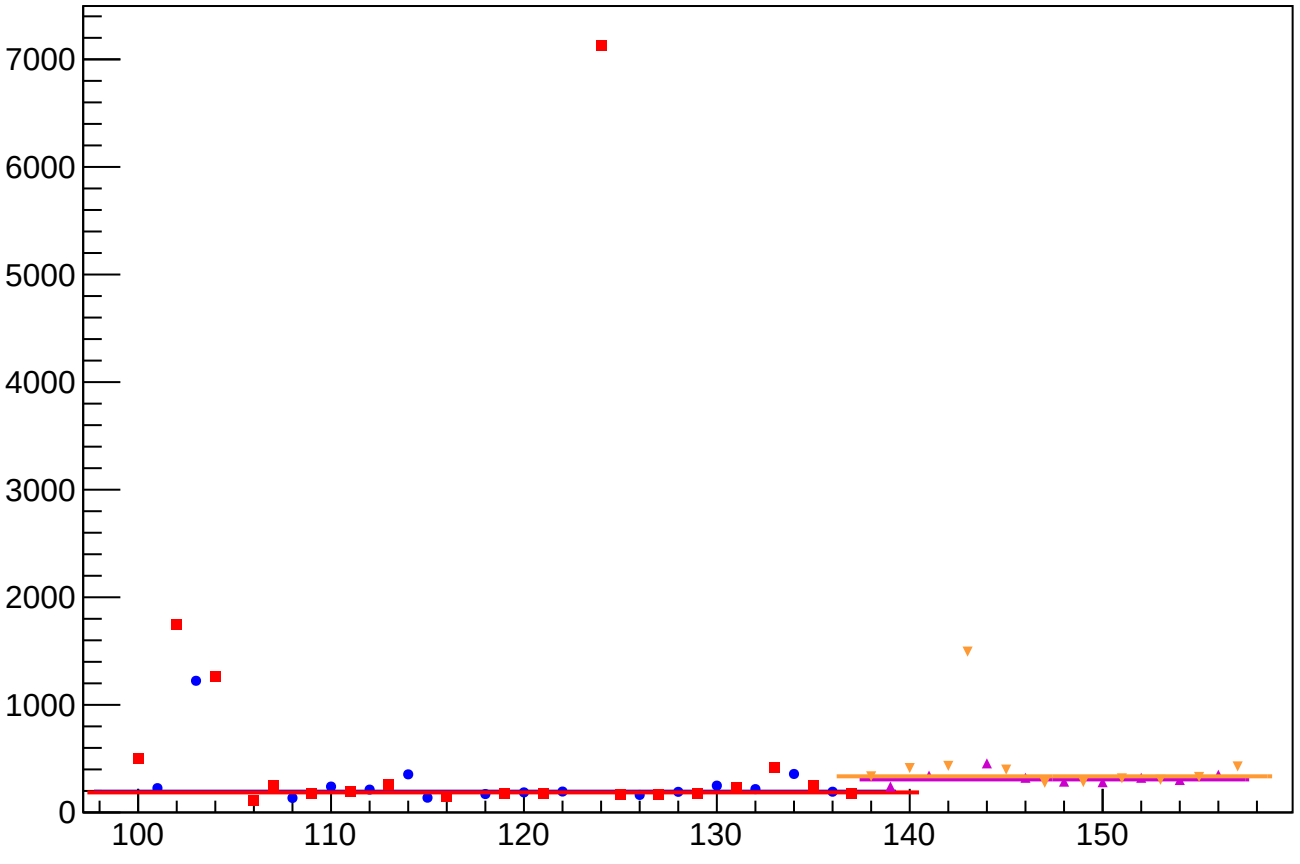
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.048+/-0.112 χ^2/NDF:11.8/8

+ sign -0.013+/-0.065 χ^2/NDF: 29.0/26

All: -0.015+/-0.046 χ^2/NDF: 64.3/54

- sign -0.017+/-0.065 χ^2/NDF: 35.3/27



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.847+/-0.085 χ^2/NDF:1354448.1/10

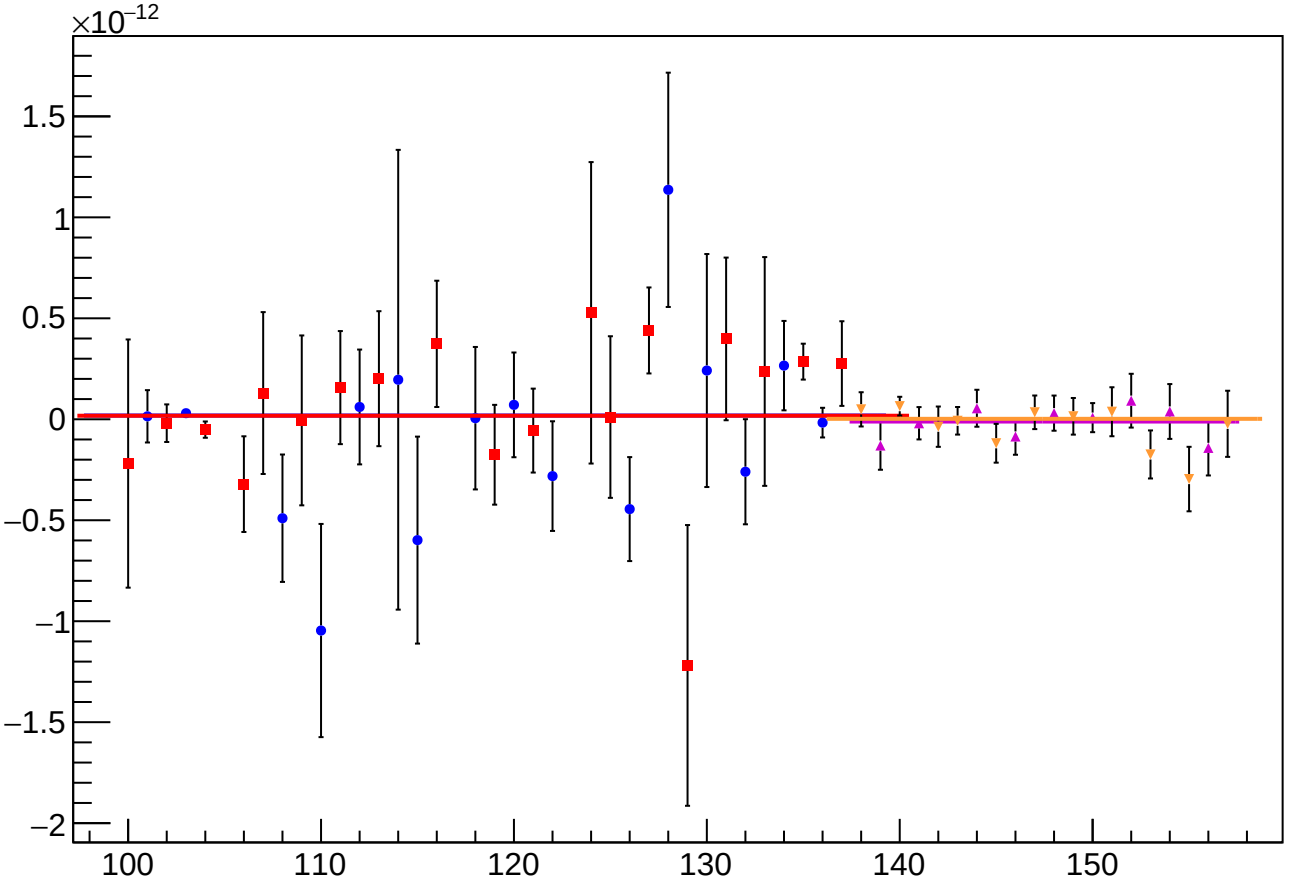
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 307.091+/-0.079 χ^2/NDF:382283.1/8

+ sign 235.205+/-0.046 χ^2/NDF: 4742197.5/26

All: 230.617+/-0.032 χ^2/NDF: 9169517.2/54

- sign 226.140+/-0.046 χ^2/NDF: 4407819.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

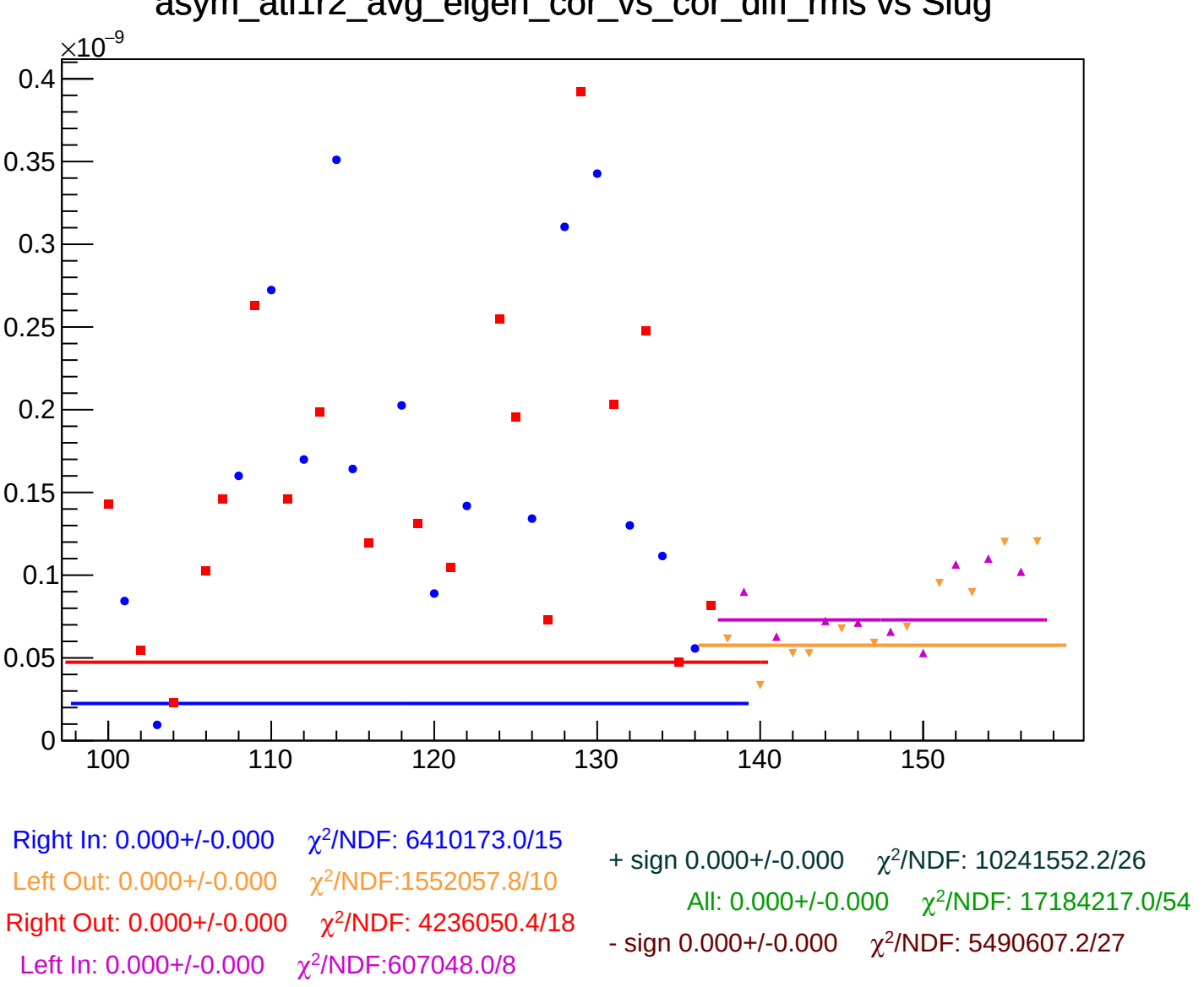
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/8

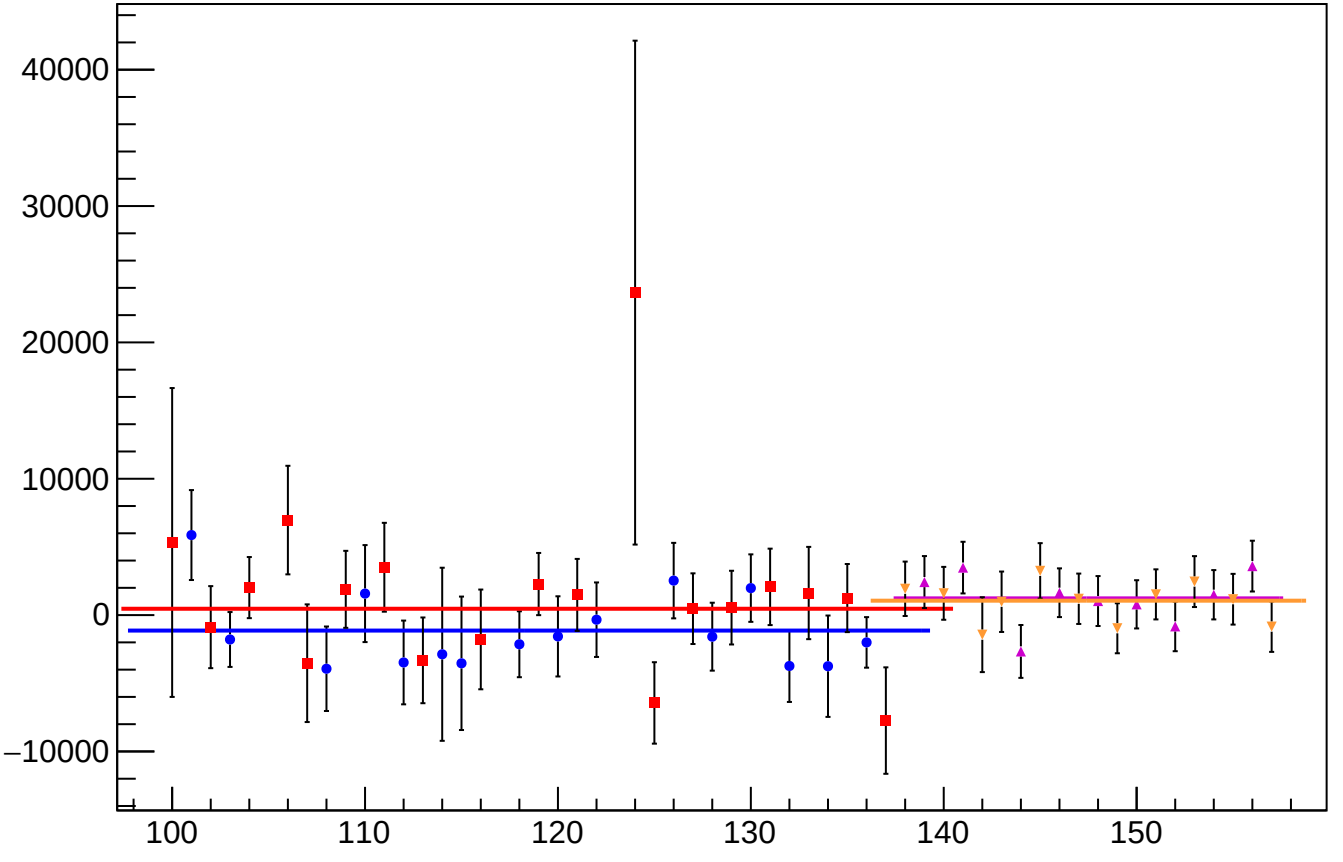
+ sign 0.000+/-0.000 χ^2/NDF: 29.5/26

All: 0.000+/-0.000 χ^2/NDF: 61.3/54

- sign 0.000+/-0.000 χ^2/NDF: 31.7/27


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1552057.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:607048.0/8
+ sign 0.000+/-0.000 χ²/NDF: 10241552.2/26
All: 0.000+/-0.000 χ²/NDF: 17184217.0/54
- sign 0.000+/-0.000 χ²/NDF: 5490607.2/27

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.547+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

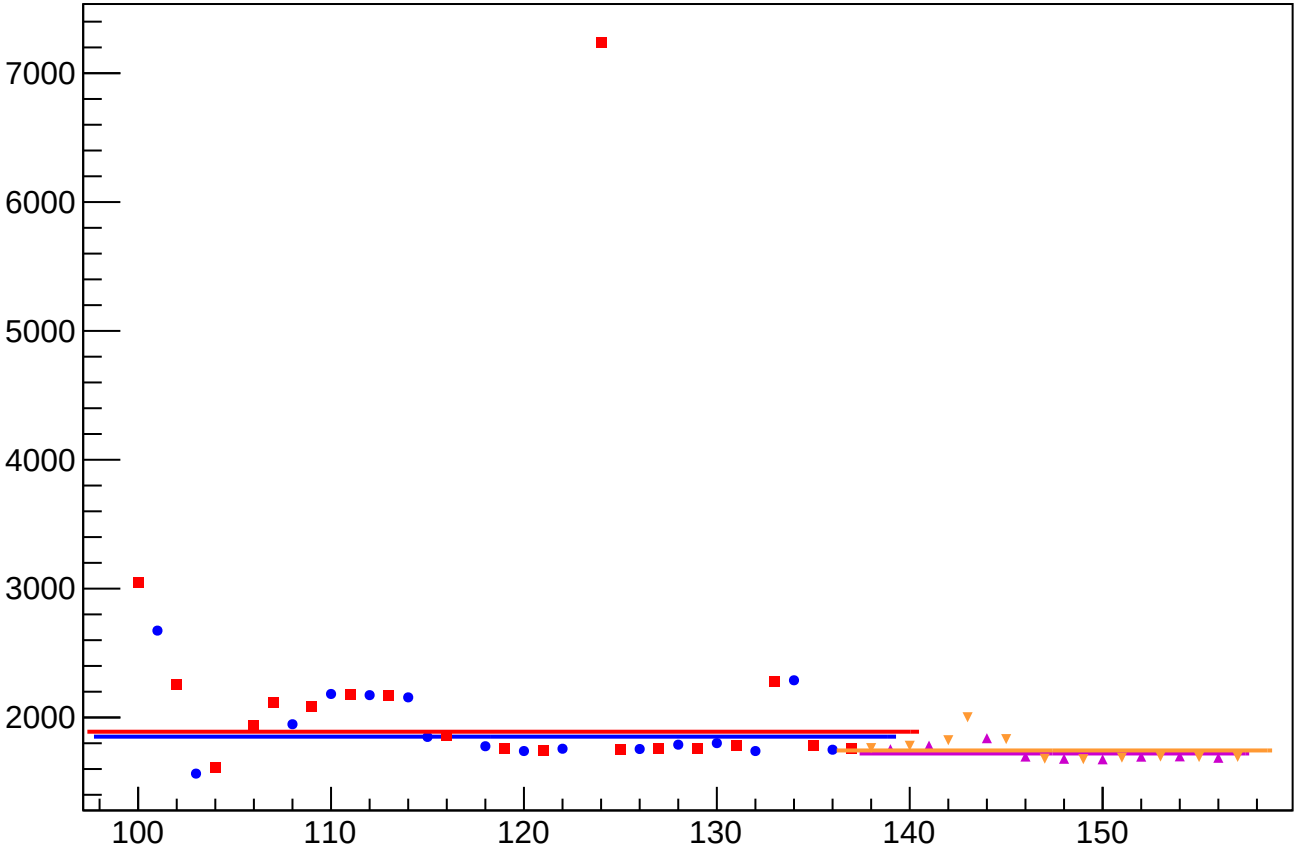
Left In: 1226.850+/-614.697 χ^2/NDF:8.9/8

\+ sign 133.299+/-450.484 χ^2/NDF: 23.2/26

All: 504.954+/-323.070 χ^2/NDF: 54.1/54

\- sign 898.527+/-463.578 χ^2/NDF: 29.5/27

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

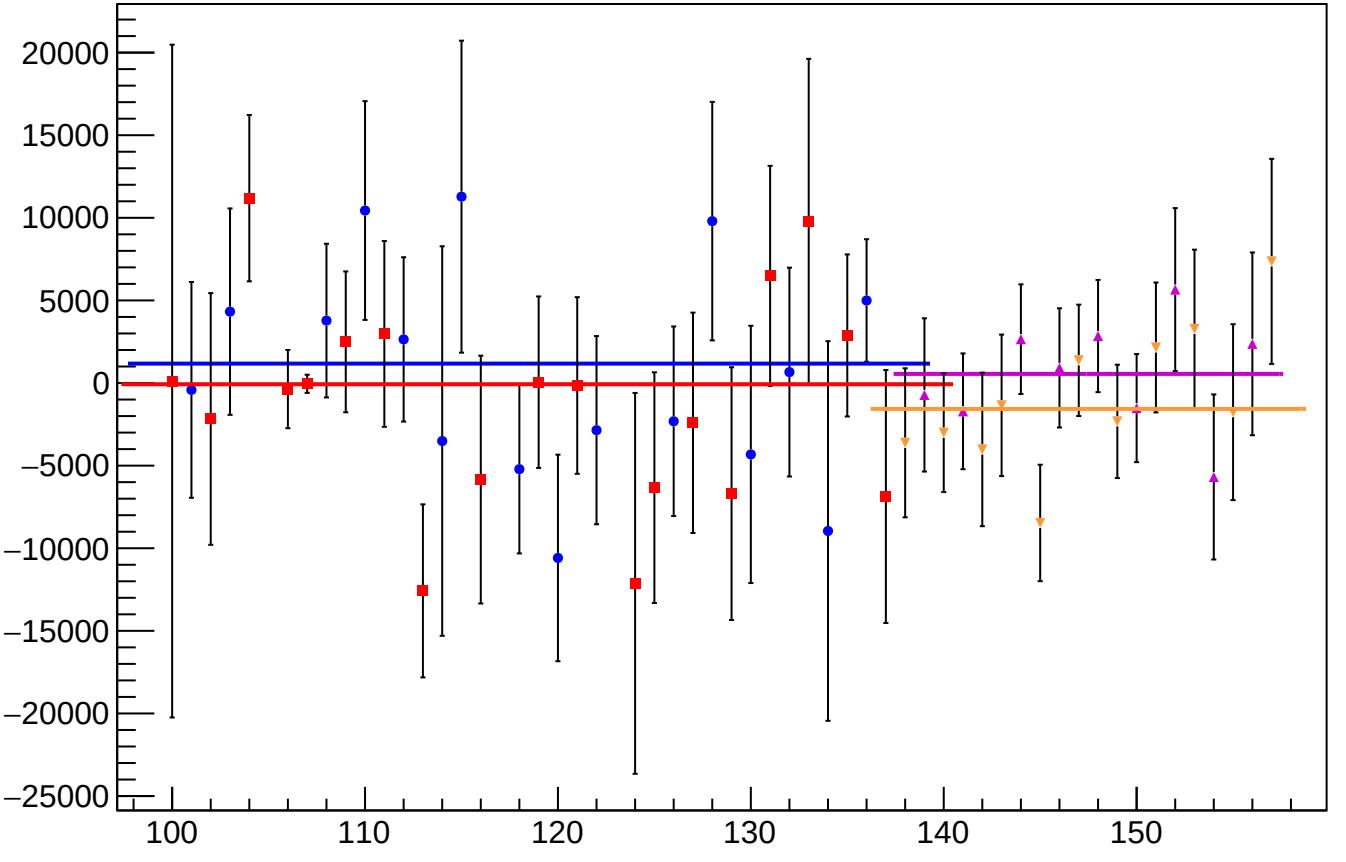
Left In: 1720.654+/-0.435 χ^2/NDF:14131.7/8

+ sign 1789.209+/-0.319 χ^2/NDF: 332052.0/26

All: 1791.379+/-0.228 χ^2/NDF: 770450.0/54

- sign 1793.673+/-0.327 χ^2/NDF: 438302.5/27

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1566.217+/-1239.925 χ^2/NDF:9.3/10

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

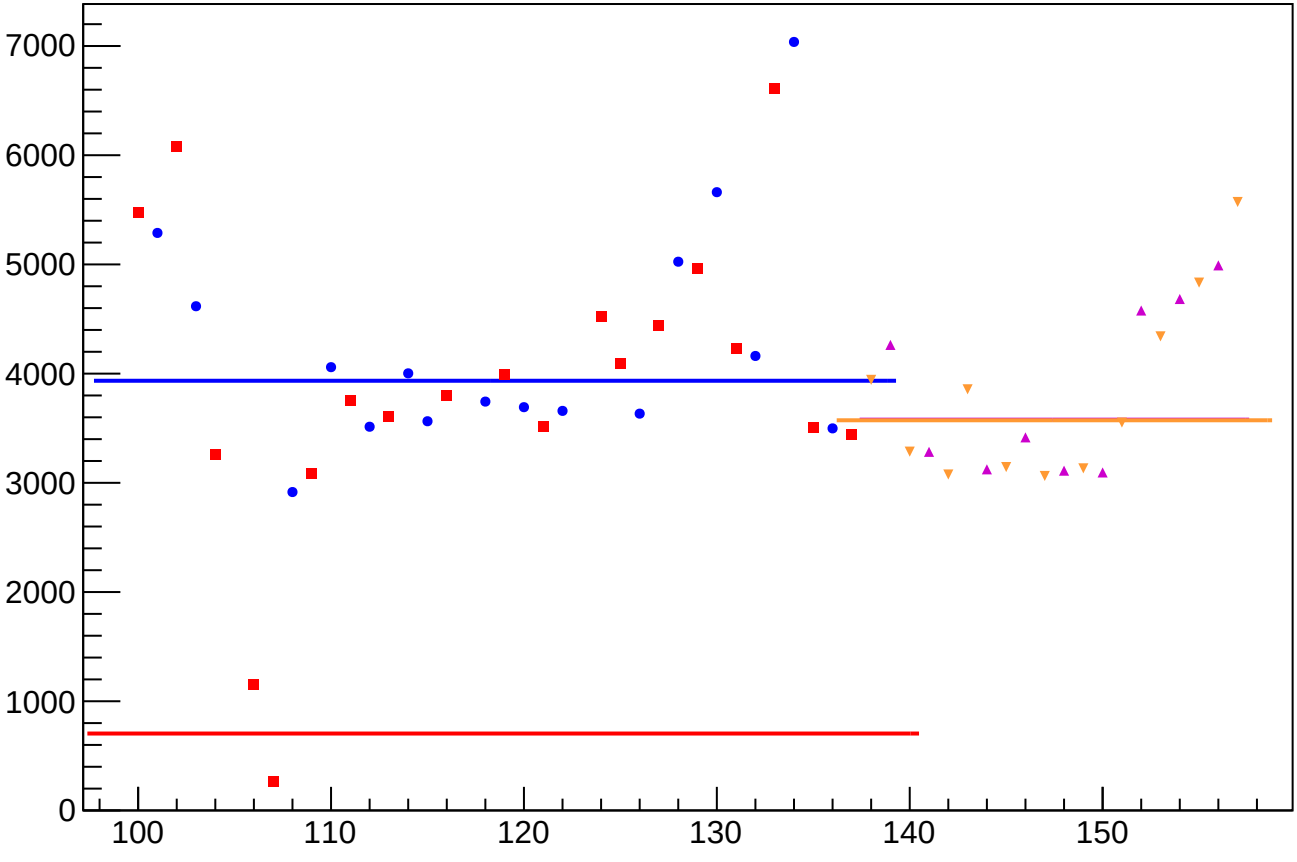
Left In: 551.910+/-1302.339 χ^2/NDF:4.5/8

+ sign -455.182+/-956.236 χ^2/NDF: 25.0/26

All: -81.631+/-422.816 χ^2/NDF: 47.8/54

- sign 9.152+/-471.403 χ^2/NDF: 22.6/27

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3572.845+/-0.877 χ^2/NDF:537061.4/10

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

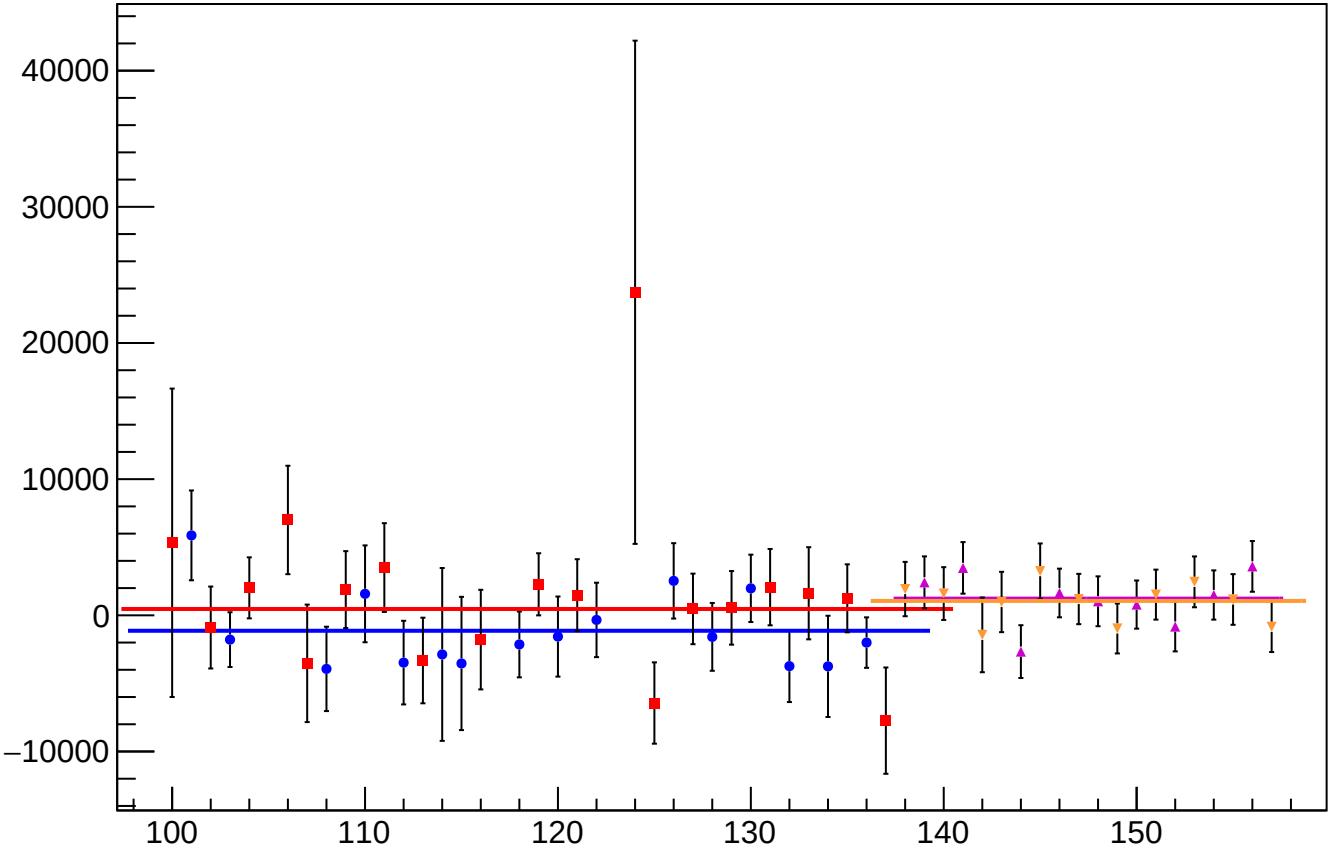
Left In: 3578.444+/-0.921 χ^2/NDF:491251.7/8

+ sign 3719.492+/-0.676 χ^2/NDF: 1166221.8/26

All: 1596.811+/-0.299 χ^2/NDF: 32990645.8/5

- sign 1080.943+/-0.333 χ^2/NDF: 19574044.2/27

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.567+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

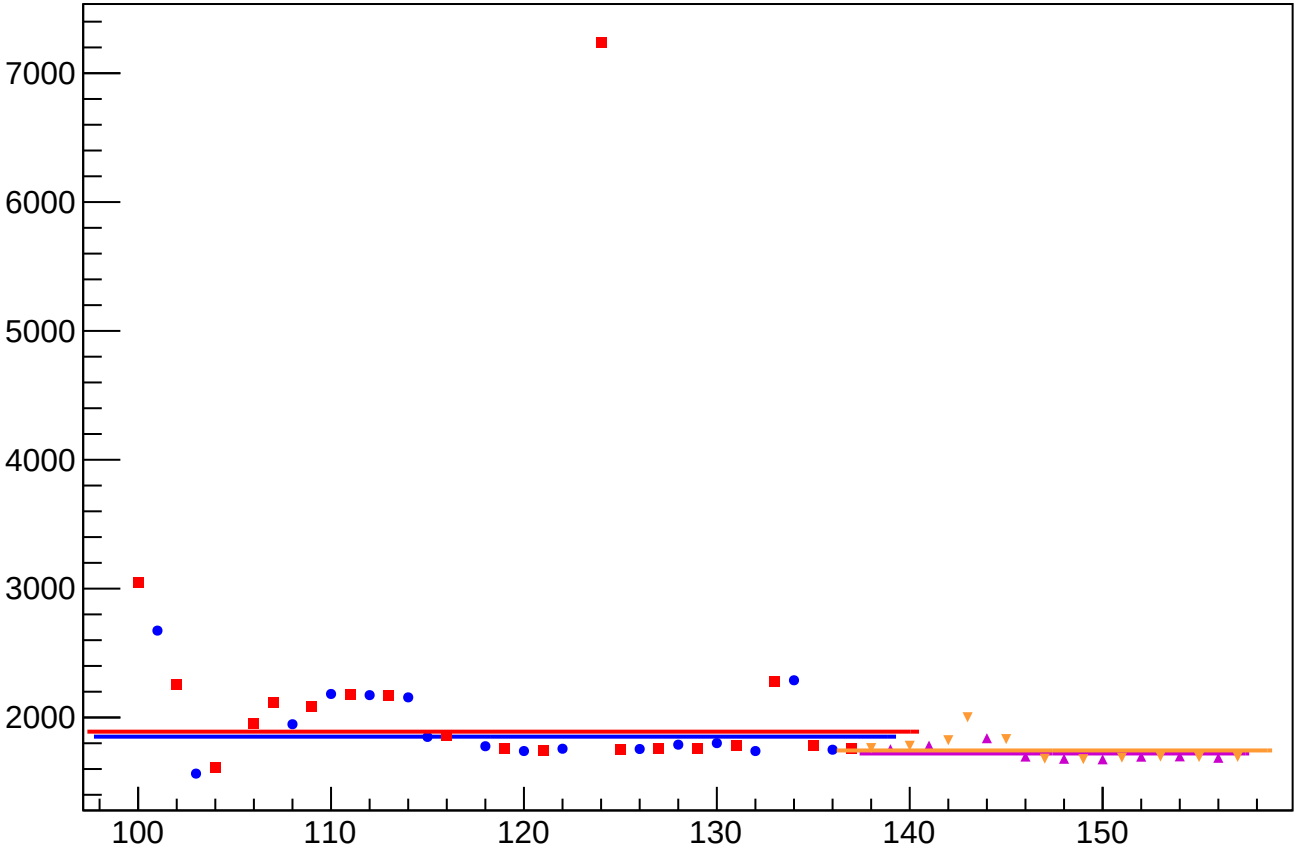
Left In: 1226.798+/-614.697 χ^2/NDF:8.9/8

+ sign 133.490+/-450.484 χ^2/NDF: 23.2/26

All: 505.117+/-323.070 χ^2/NDF: 54.2/54

- sign 898.662+/-463.578 χ^2/NDF: 29.6/27

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

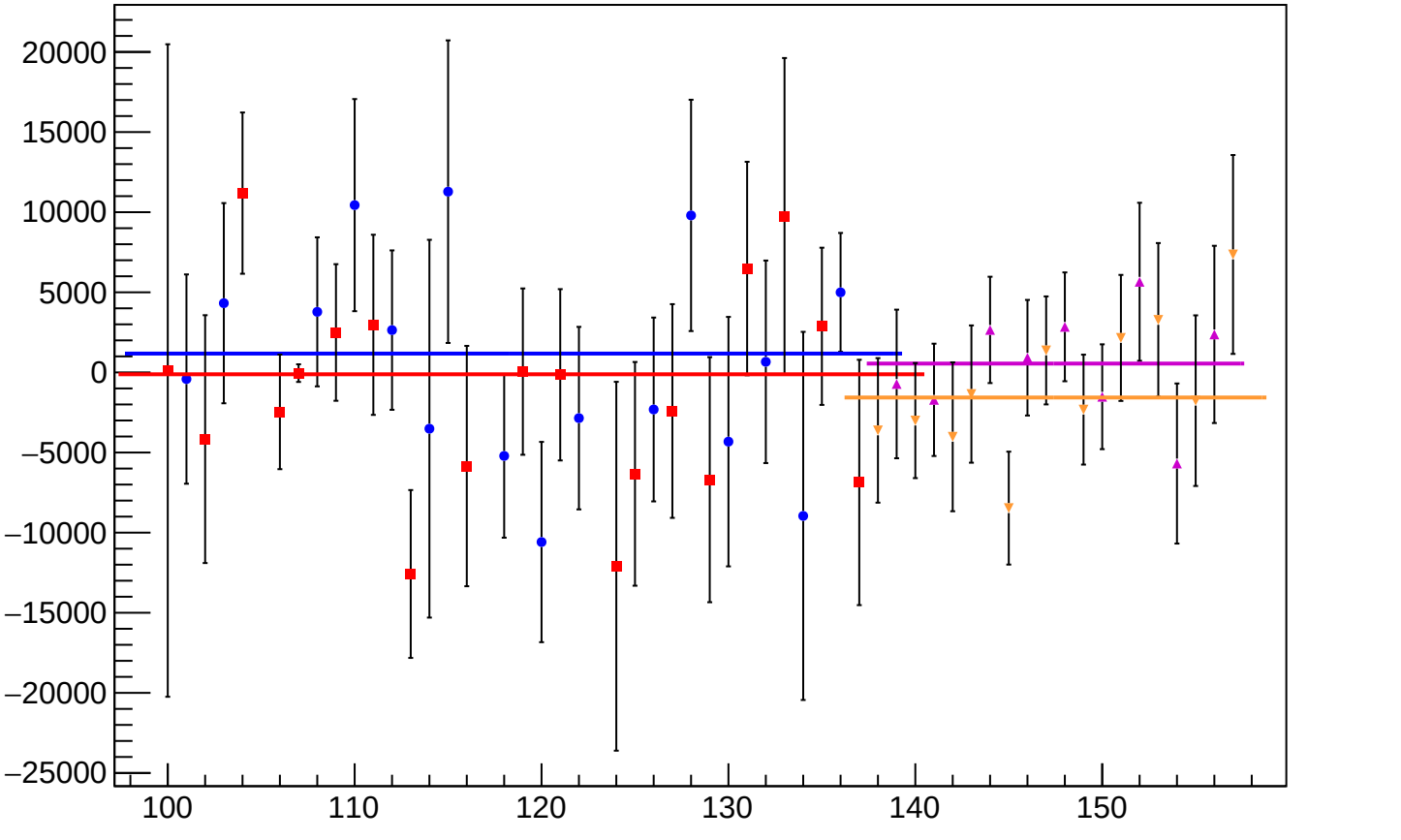
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1720.654+/-0.435 χ^2/NDF:14131.7/8

+ sign 1789.209+/-0.319 χ^2/NDF: 332051.4/26

All: 1791.466+/-0.228 χ^2/NDF: 771014.7/54

- sign 1793.852+/-0.328 χ^2/NDF: 438860.0/27



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

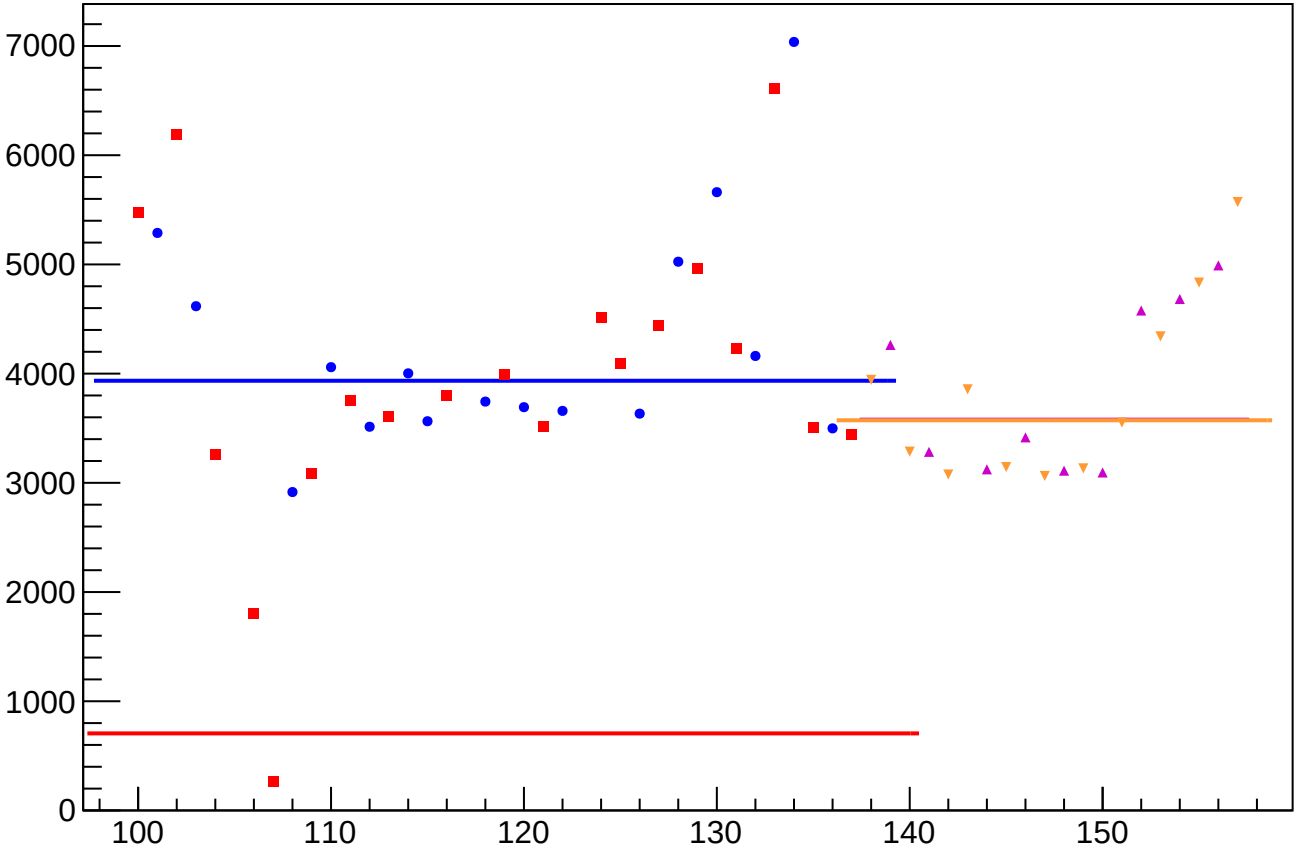
Left In: 551.944+/-1302.338 χ^2/NDF:4.5/8

\+ sign -455.244+/-956.236 χ^2/NDF: 25.0/26

All: -111.791+/-426.649 χ^2/NDF: 48.4/54

\- sign -26.424+/-476.732 χ^2/NDF: 23.3/27

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

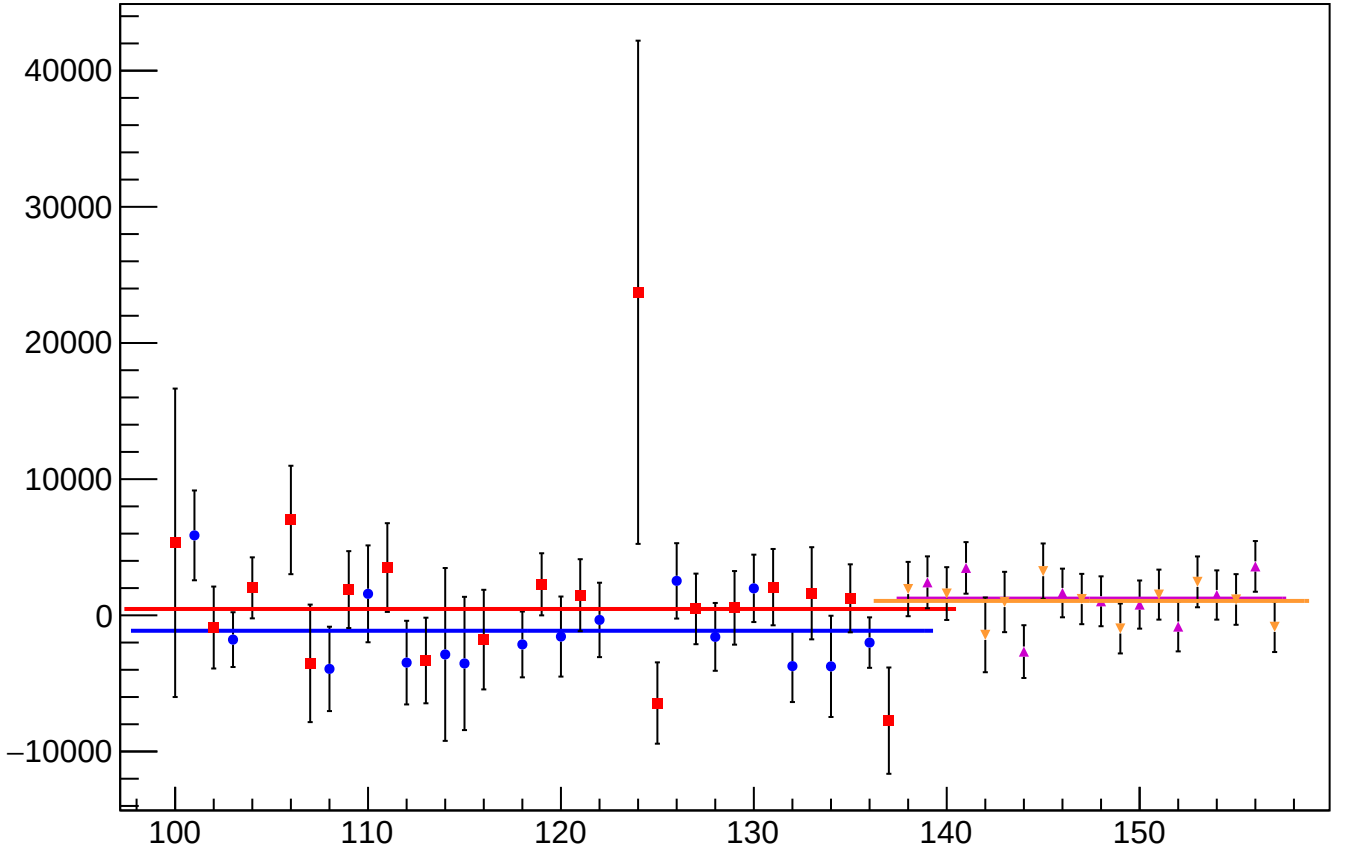
Left In: 3578.444+/-0.921 χ^2/NDF:491244.2/8

+ sign 3719.487+/-0.676 χ^2/NDF: 1166258.0/26

All: 1613.920+/-0.302 χ^2/NDF: 32939840.7/5

- sign 1090.575+/-0.337 χ^2/NDF: 19666342.2/27

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1057.567+/-592.338 χ^2/NDF:5.2/10

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

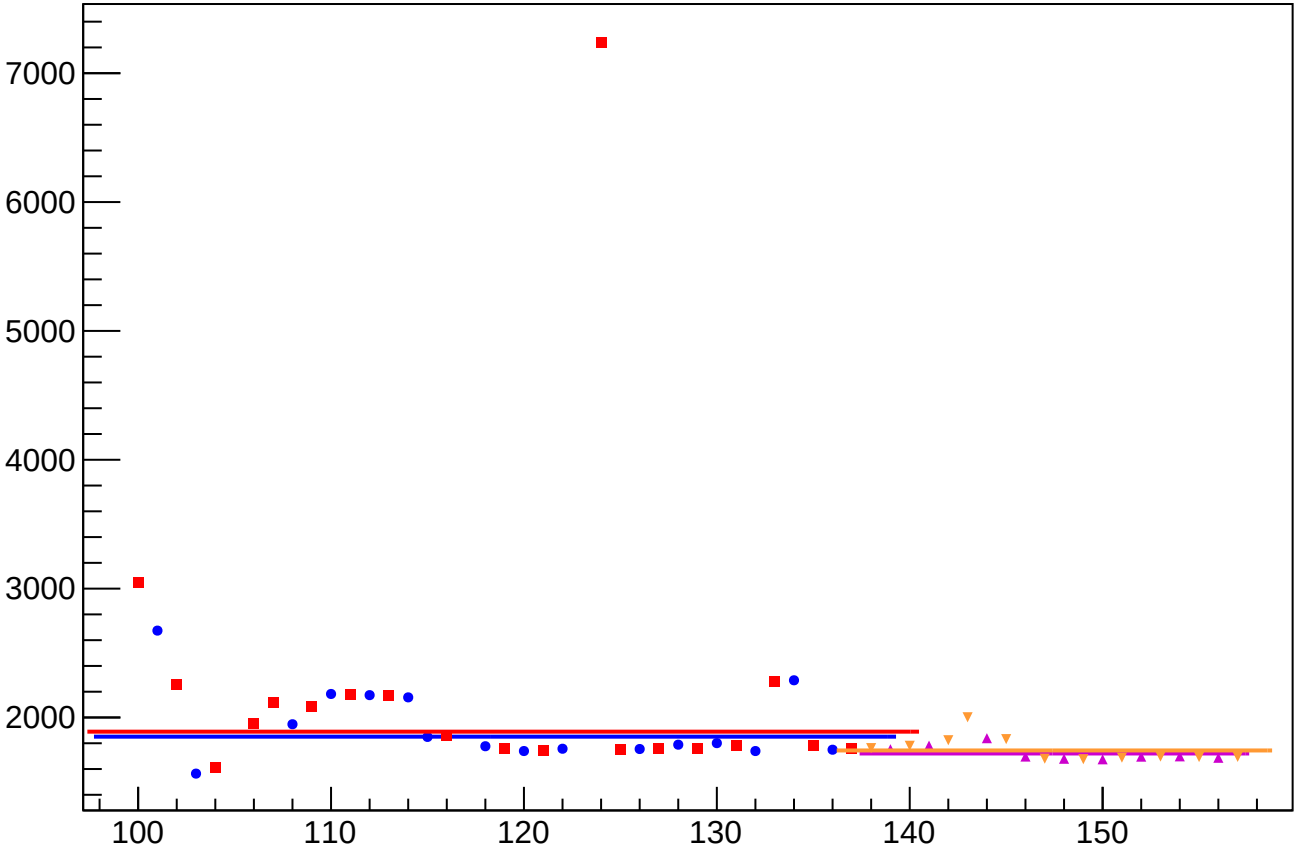
Left In: 1226.798+/-614.697 χ^2/NDF:8.9/8

\+ sign 133.490+/-450.484 χ^2/NDF: 23.2/26

All: 505.117+/-323.070 χ^2/NDF: 54.2/54

\- sign 898.662+/-463.578 χ^2/NDF: 29.6/27

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1744.072+/-0.419 χ^2/NDF:44525.3/10

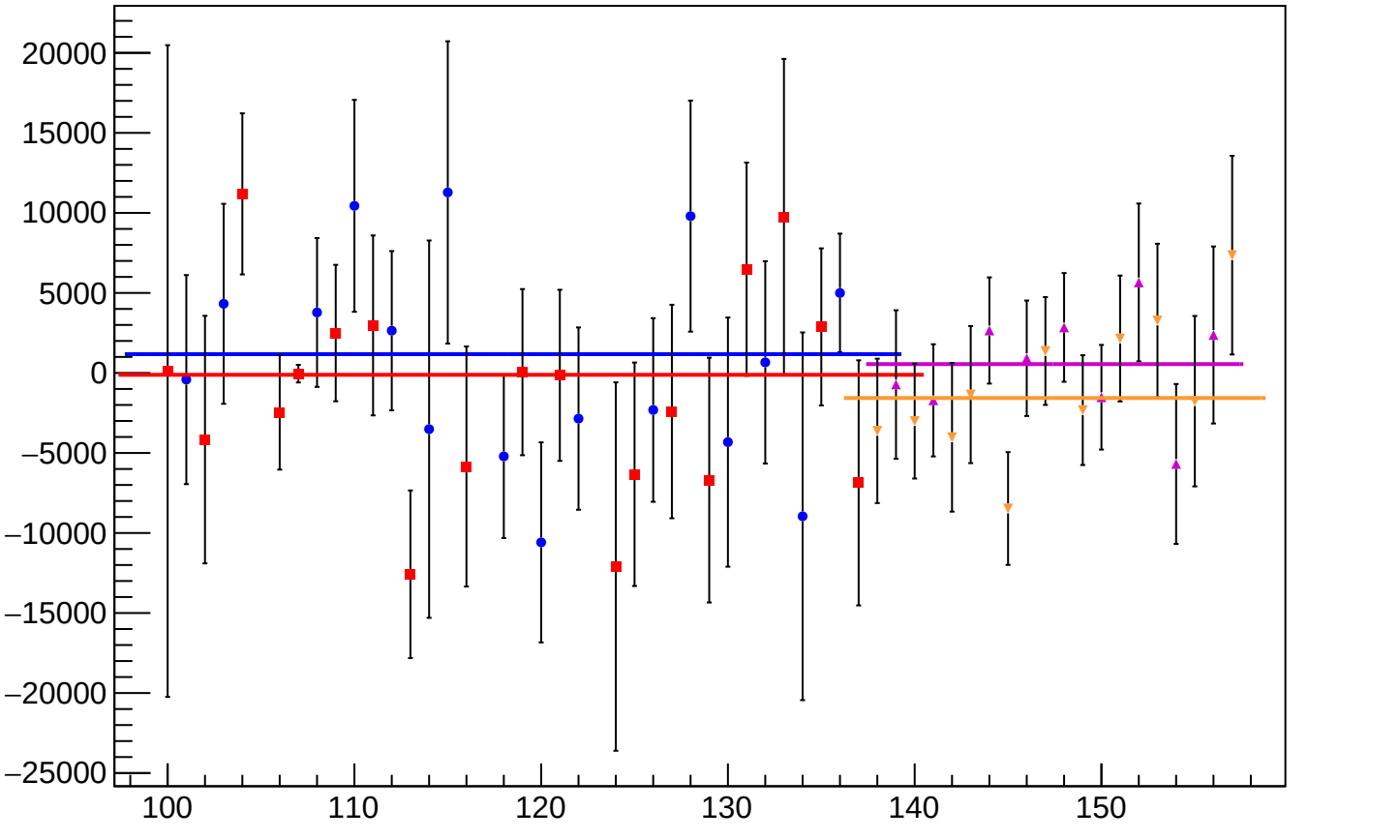
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1720.654+/-0.435 χ^2/NDF:14131.7/8

+ sign 1789.209+/-0.319 χ^2/NDF: 332051.4/26

All: 1791.466+/-0.228 χ^2/NDF: 771014.7/54

- sign 1793.852+/-0.328 χ^2/NDF: 438860.0/27



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1566.291+/-1239.921 χ^2/NDF:9.3/10

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

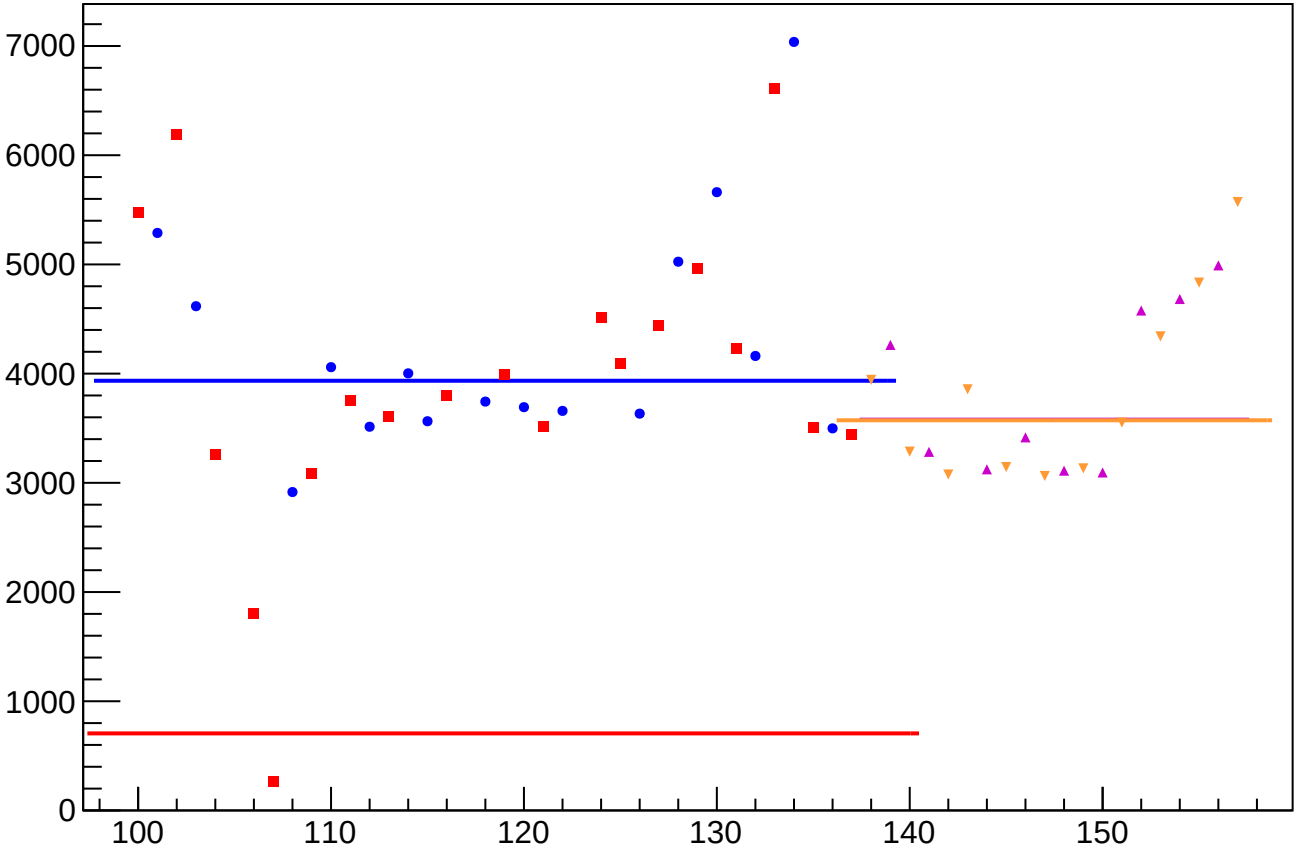
Left In: 551.944+/-1302.338 χ^2/NDF:4.5/8

\+ sign -455.244+/-956.236 χ^2/NDF: 25.0/26

All: -111.791+/-426.649 χ^2/NDF: 48.4/54

\- sign -26.424+/-476.732 χ^2/NDF: 23.3/27

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3572.833+/-0.877 χ^2/NDF:537065.6/10

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

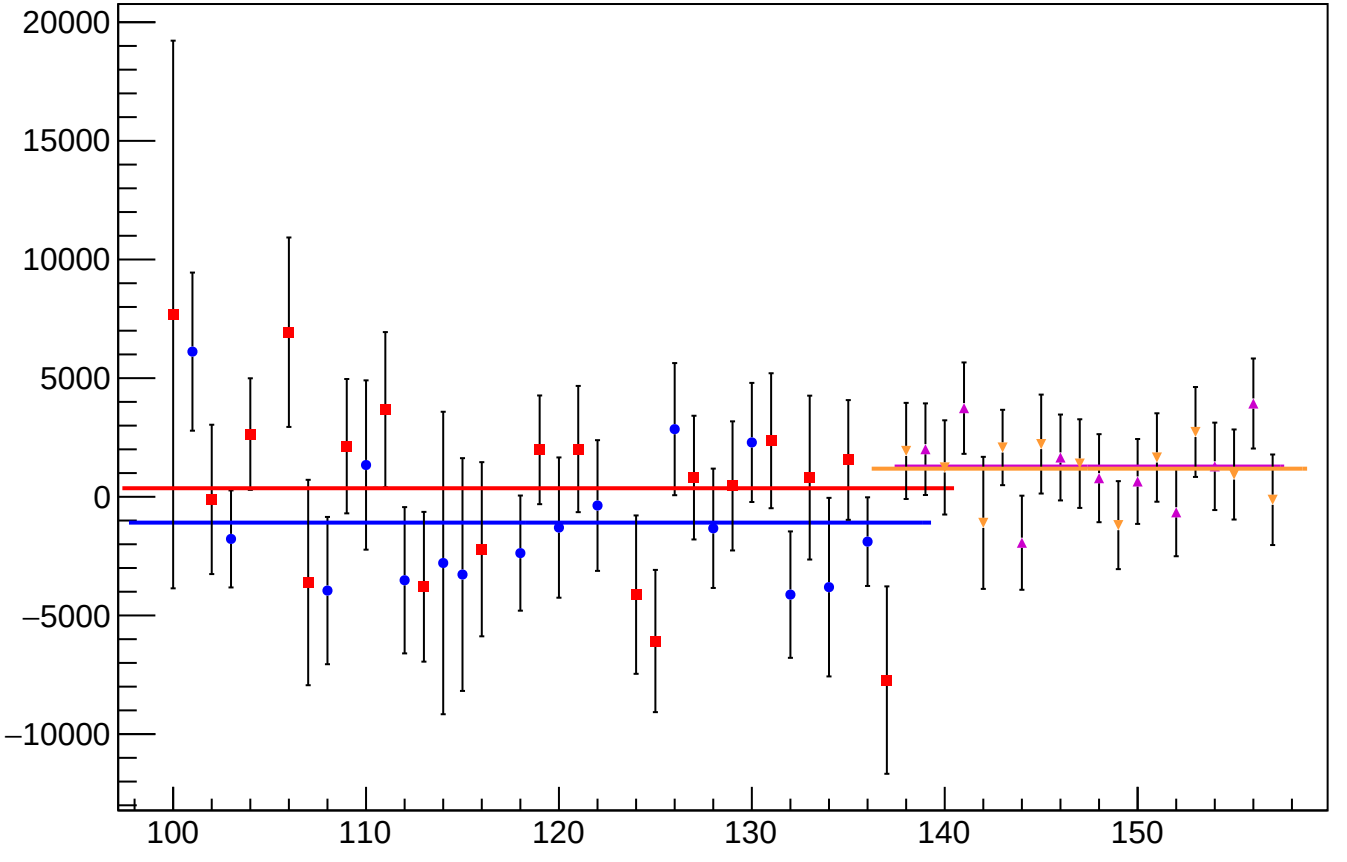
Left In: 3578.444+/-0.921 χ^2/NDF:491244.2/8

+ sign 3719.487+/-0.676 χ^2/NDF: 1166258.0/26

All: 1613.920+/-0.302 χ^2/NDF: 32939840.7/5

- sign 1090.575+/-0.337 χ^2/NDF: 19666342.2/27

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.830+/-582.266 χ^2/NDF:4.3/10

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

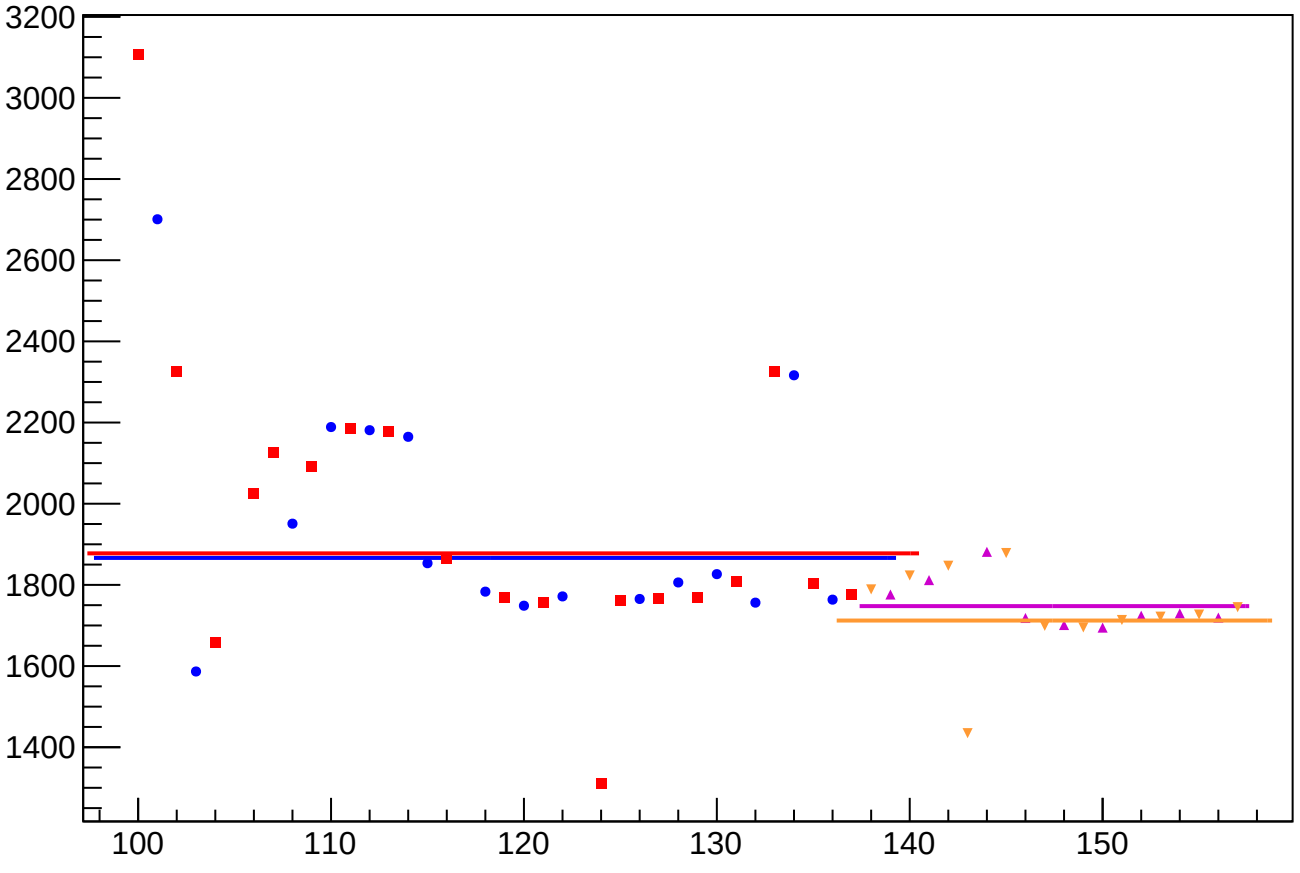
Left In: 1274.884+/-624.406 χ^2/NDF:7.7/8

+ sign 255.395+/-447.535 χ^2/NDF: 23.7/26

All: 550.280+/-322.741 χ^2/NDF: 54.0/54

- sign 869.816+/-465.865 χ^2/NDF: 29.5/27

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88710.6/10

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

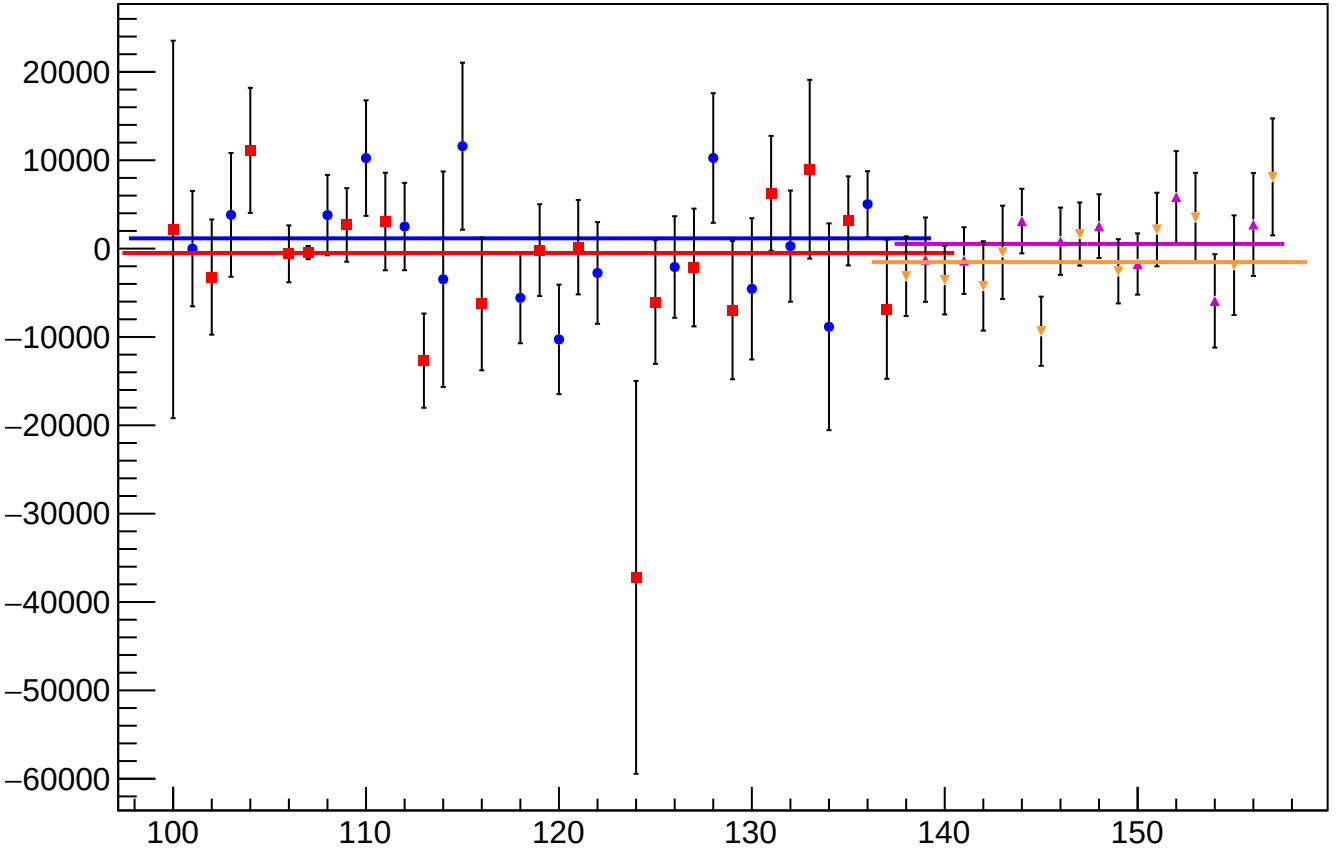
Left In: 1747.689+/-0.442 χ^2/NDF:16254.0/8

+ sign 1775.302+/-0.316 χ^2/NDF: 402449.9/26

All: 1789.735+/-0.228 χ^2/NDF: 713339.2/54

- sign 1805.363+/-0.329 χ^2/NDF: 306556.7/27

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1526.876+/-1335.759 χ^2/NDF:9.5/10

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

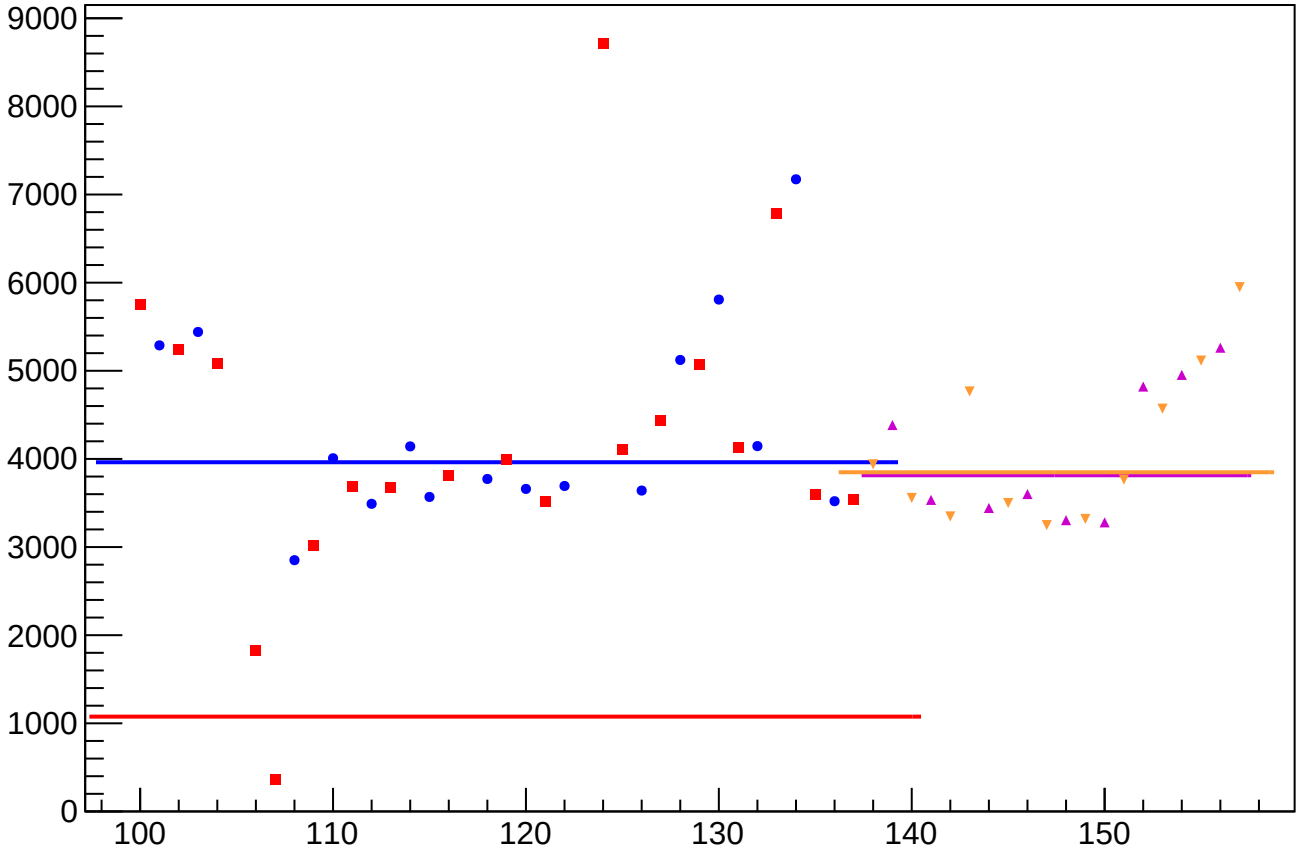
Left In: 530.391+/-1386.298 χ^2/NDF:4.3/8

+ sign -348.792+/-1001.129 χ^2/NDF: 24.9/26

All: -316.070+/-511.366 χ^2/NDF: 46.6/54

- sign -304.519+/-594.814 χ^2/NDF: 21.7/27

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3848.753+/-0.945 χ^2/NDF:550750.9/10

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

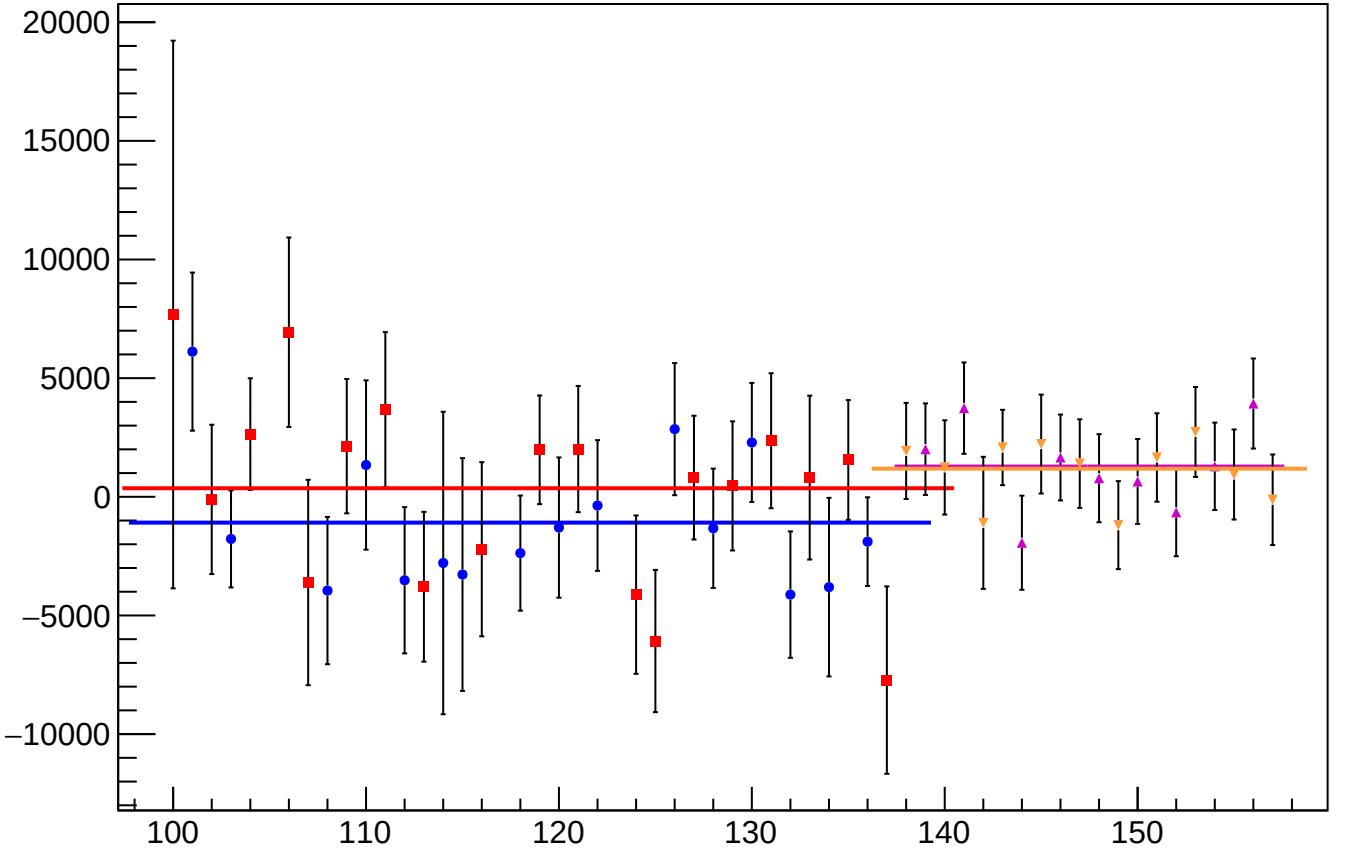
Left In: 3814.618+/-0.980 χ^2/NDF:444922.3/8

+ sign 3898.548+/-0.708 χ^2/NDF: 1225432.0/26

All: 2185.026+/-0.362 χ^2/NDF: 25524521.5/5

- sign 1580.140+/-0.421 χ^2/NDF: 16371709.9/27

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1185.831+/-582.266 χ^2/NDF:4.3/10

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

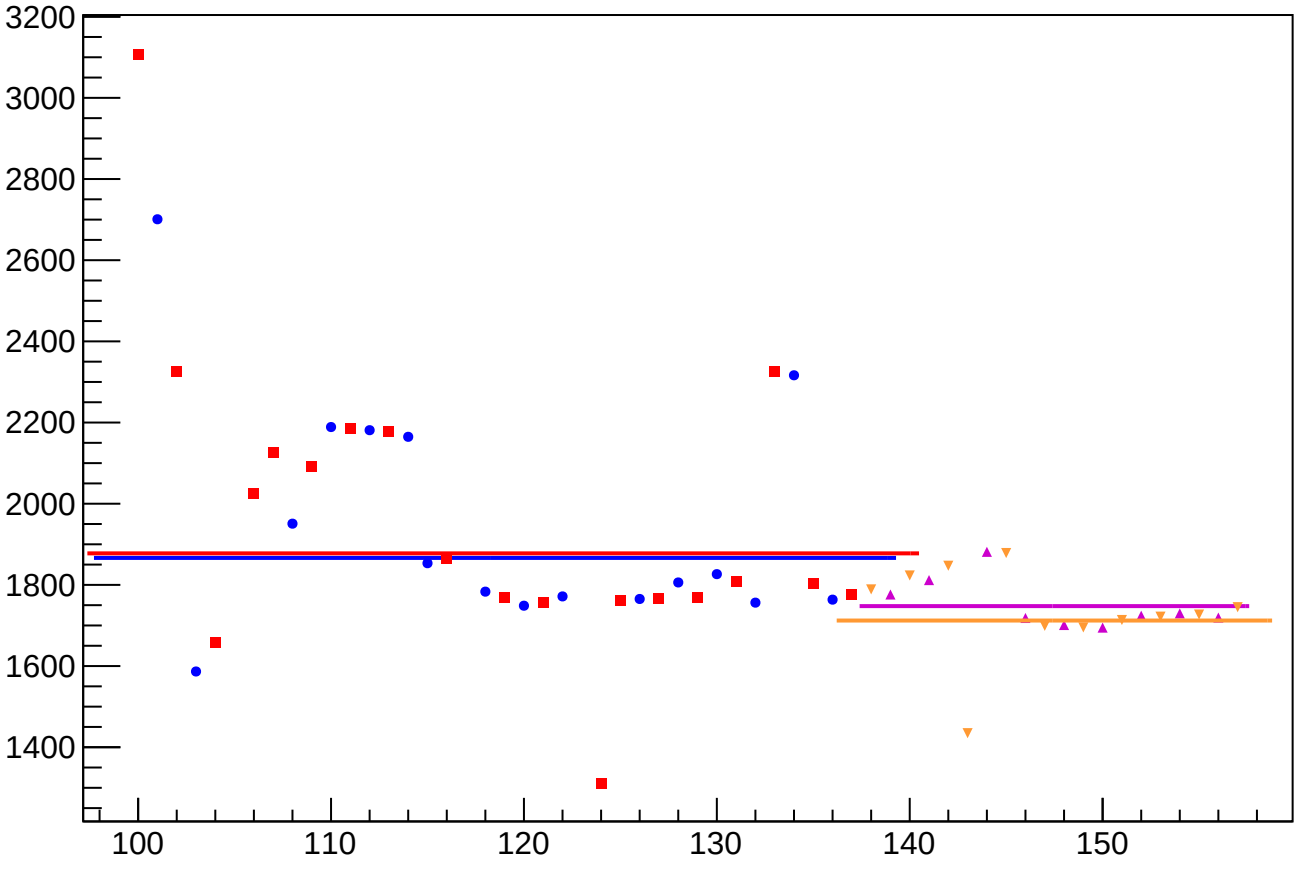
Left In: 1274.881+/-624.406 χ^2/NDF:7.7/8

\+ sign 255.393+/-447.535 χ^2/NDF: 23.7/26

All: 550.279+/-322.741 χ^2/NDF: 54.0/54

\- sign 869.816+/-465.865 χ^2/NDF: 29.5/27

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1712.157+/-0.412 χ^2/NDF:88709.7/10

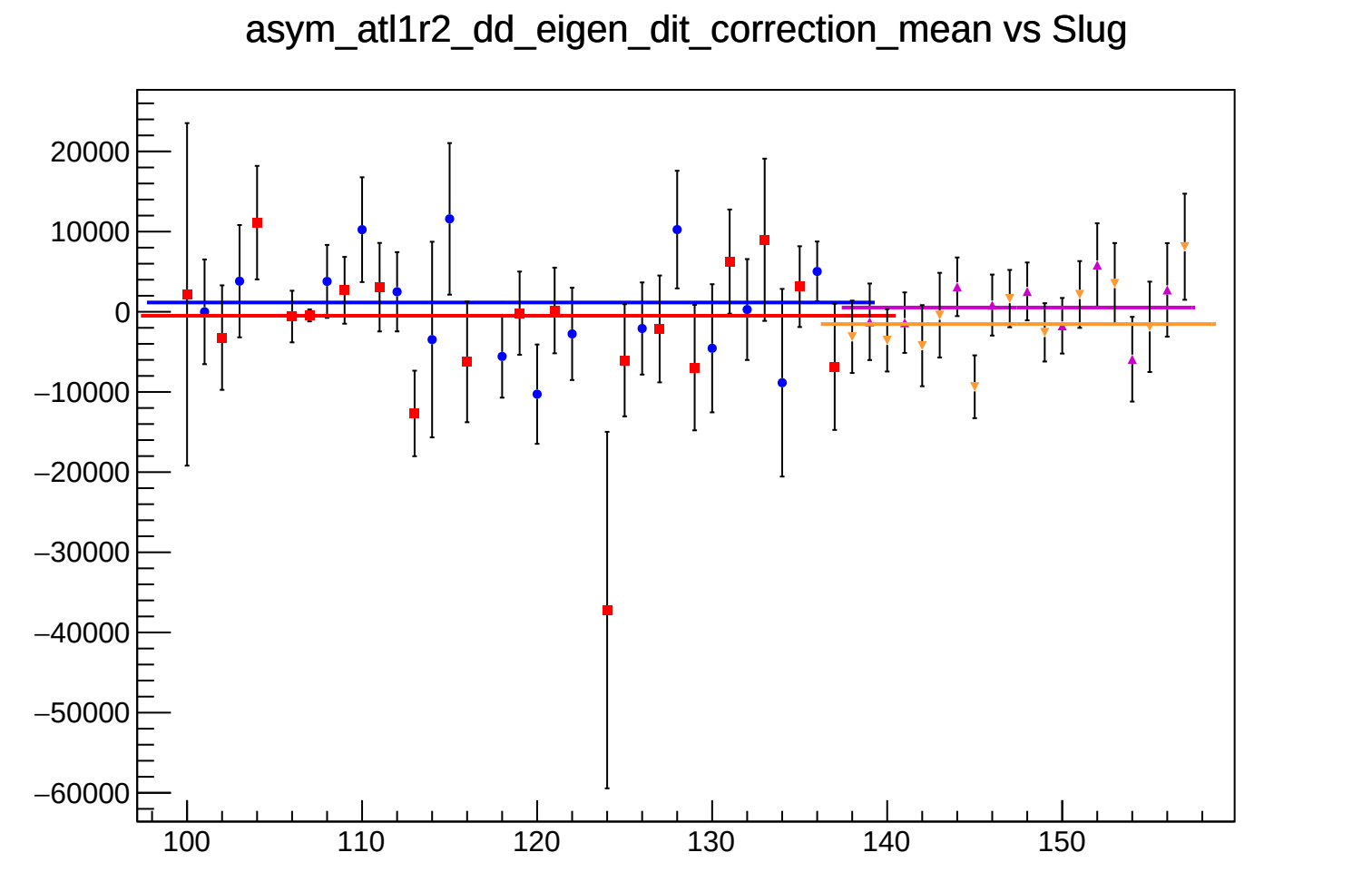
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1747.689+/-0.442 χ^2/NDF:16253.9/8

+ sign 1775.303+/-0.316 χ^2/NDF: 402448.2/26

All: 1789.736+/-0.228 χ^2/NDF: 713337.3/54

- sign 1805.364+/-0.329 χ^2/NDF: 306556.6/27



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1526.876+/-1335.760 χ^2/NDF:9.5/10

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

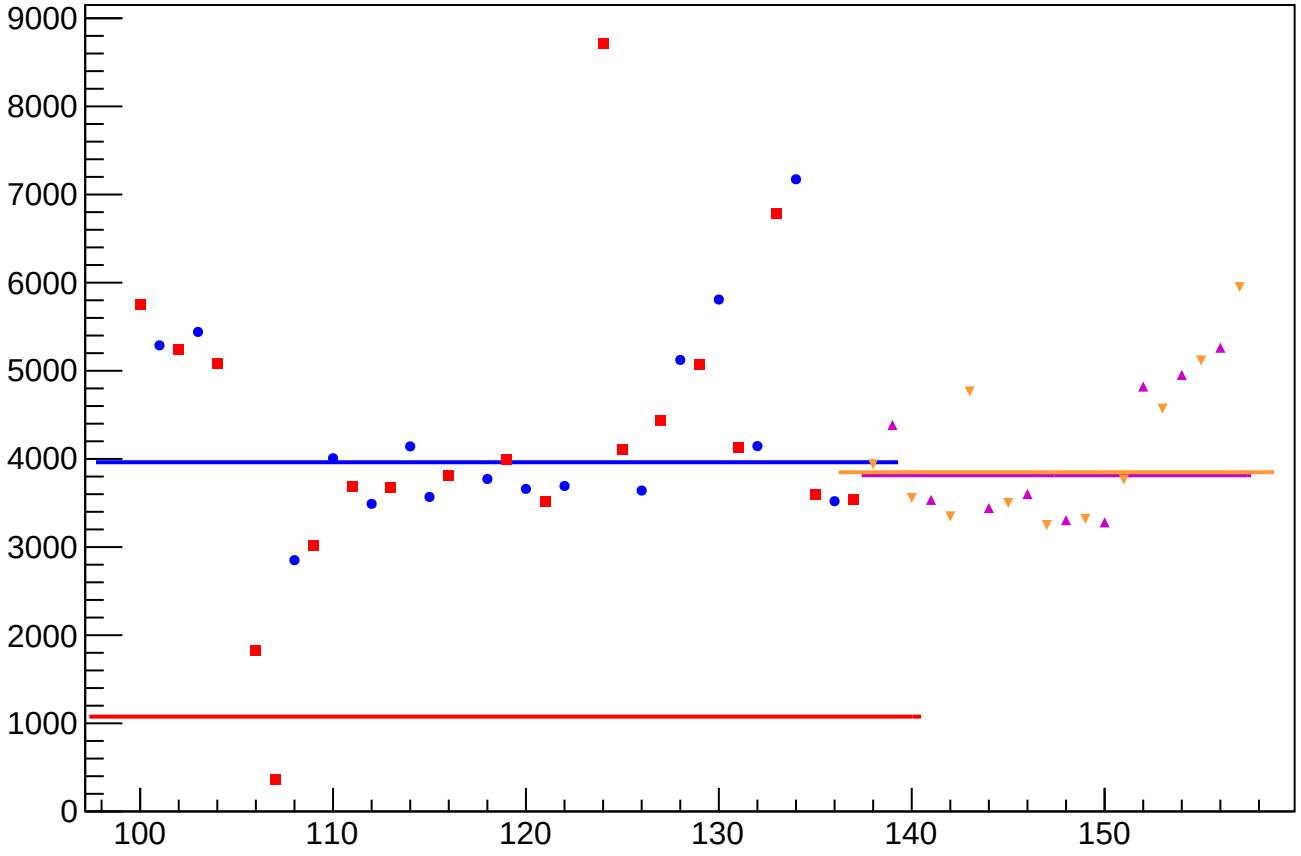
Left In: 530.388+/-1386.299 χ^2/NDF:4.3/8

+ sign -348.797+/-1001.128 χ^2/NDF: 24.9/26

All: -316.073+/-511.371 χ^2/NDF: 46.6/54

- sign -304.521+/-594.823 χ^2/NDF: 21.7/27

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3848.757+/-0.945 χ^2/NDF:550748.4/10

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

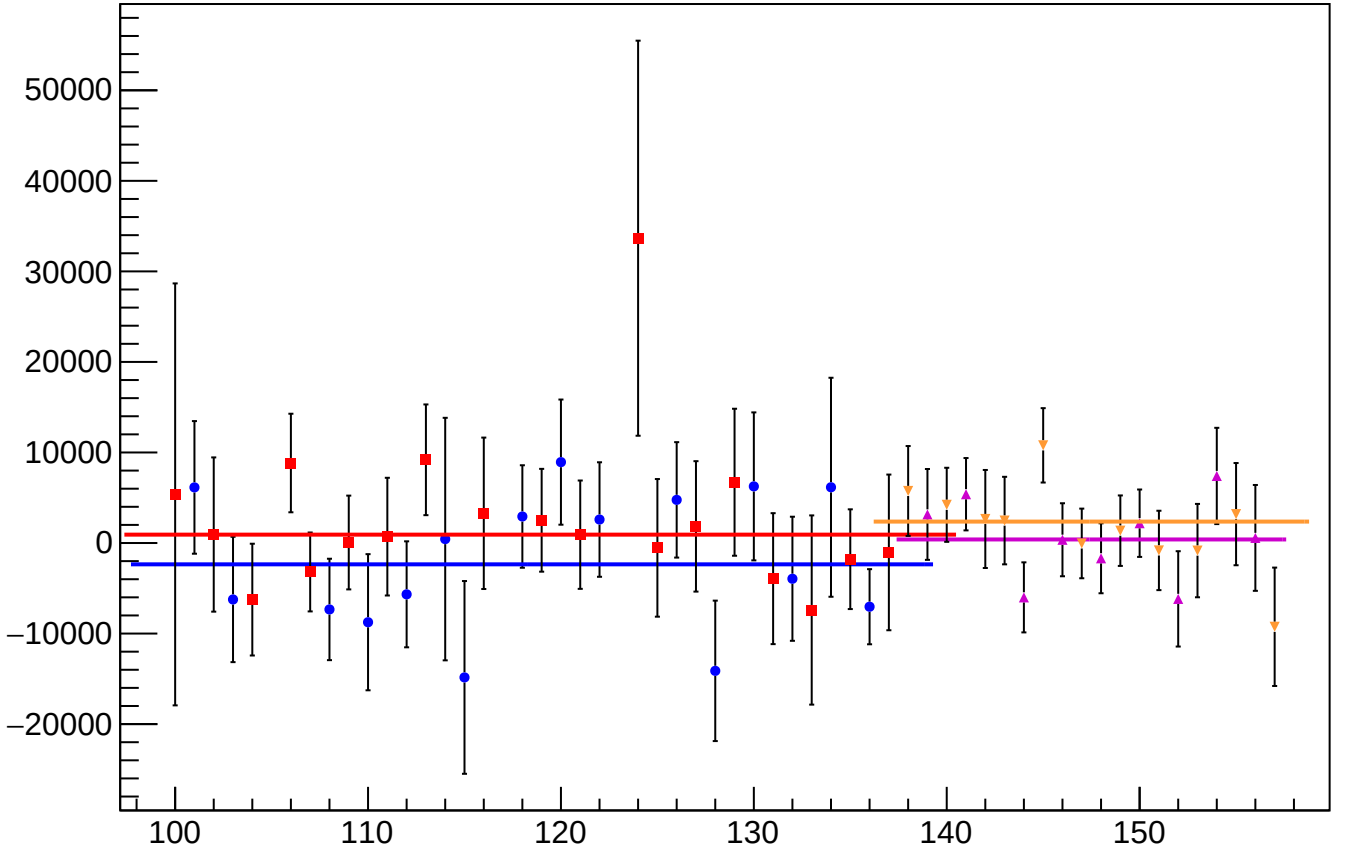
Left In: 3814.623+/-0.980 χ^2/NDF:444920.7/8

+ sign 3898.547+/-0.708 χ^2/NDF: 1225424.7/26

All: 2185.066+/-0.362 χ^2/NDF: 25523891.7/5

- sign 1580.179+/-0.421 χ^2/NDF: 16371406.8/27

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2366.378+/-1393.981 χ^2/NDF:9.4/10

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

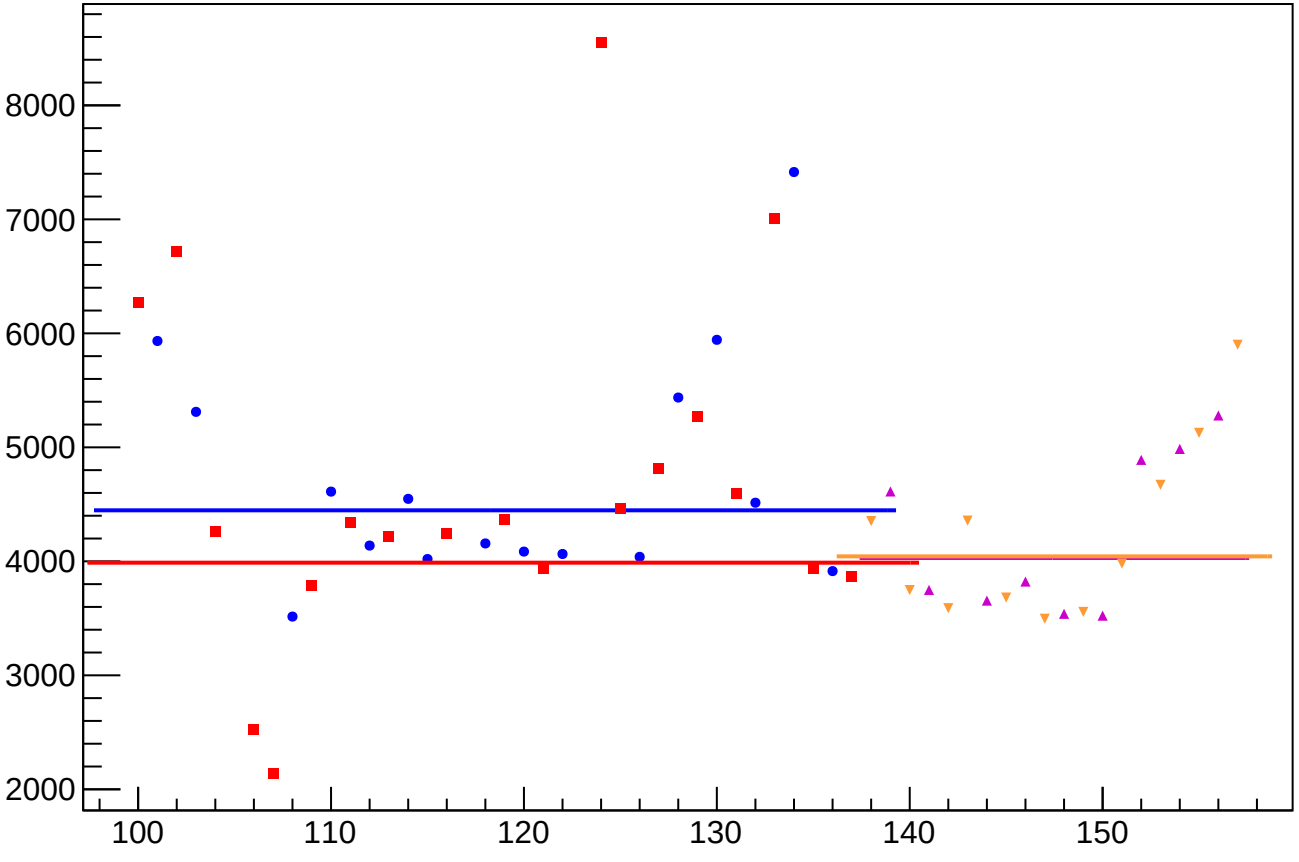
Left In: 393.110+/-1457.597 χ^2/NDF:8.4/8

\+ sign 447.761+/-1074.017 χ^2/NDF: 29.6/26

All: 546.693+/-754.742 χ^2/NDF: 48.7/54

\- sign 643.213+/-1060.840 χ^2/NDF: 19.1/27

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4043.552+/-0.986 χ^2/NDF:393070.7/10

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

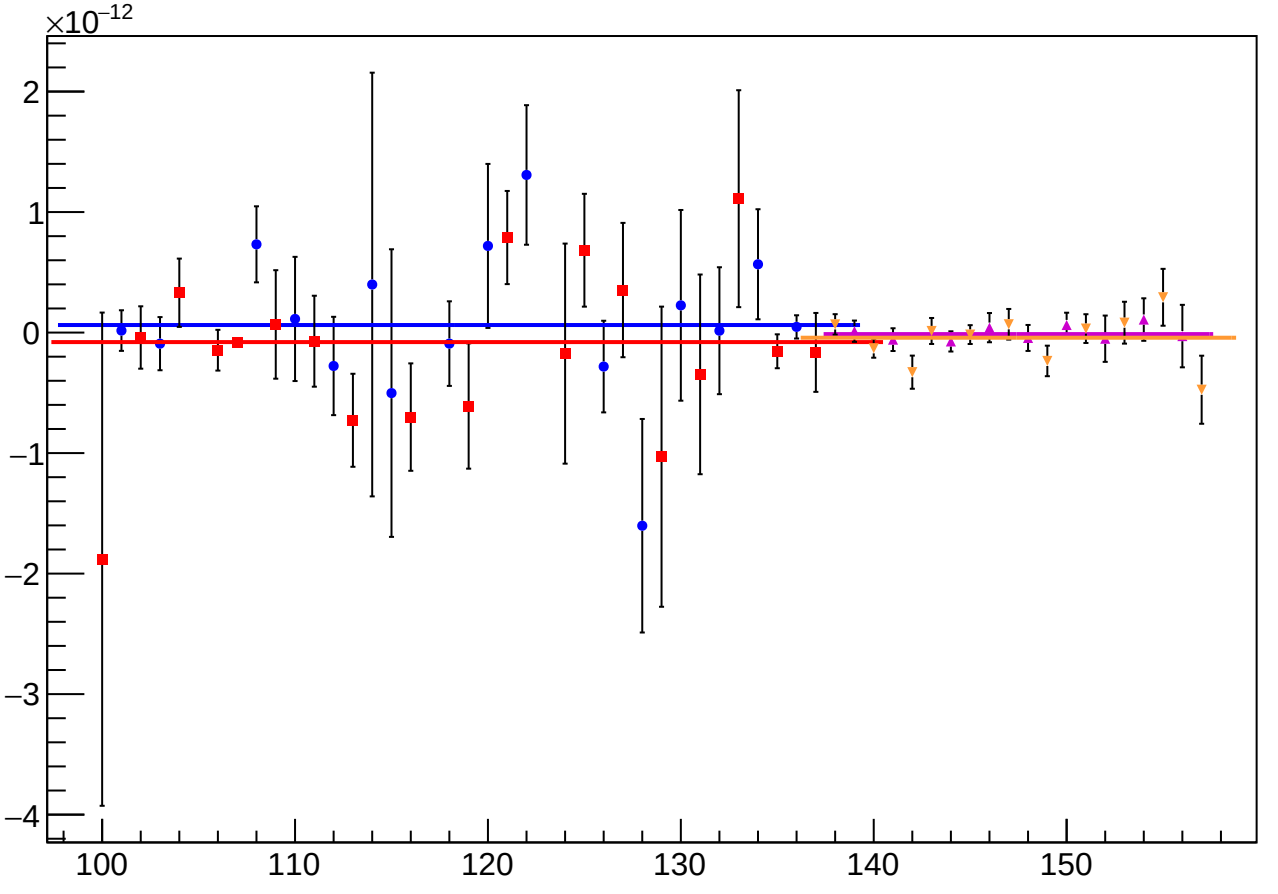
Left In: 4029.454+/-1.031 χ^2/NDF:339670.9/8

+ sign 4207.678+/-0.759 χ^2/NDF: 919545.9/26

All: 4107.087+/-0.532 χ^2/NDF: 2438407.8/54

- sign 4009.870+/-0.747 χ^2/NDF: 1484362.9/27

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/10

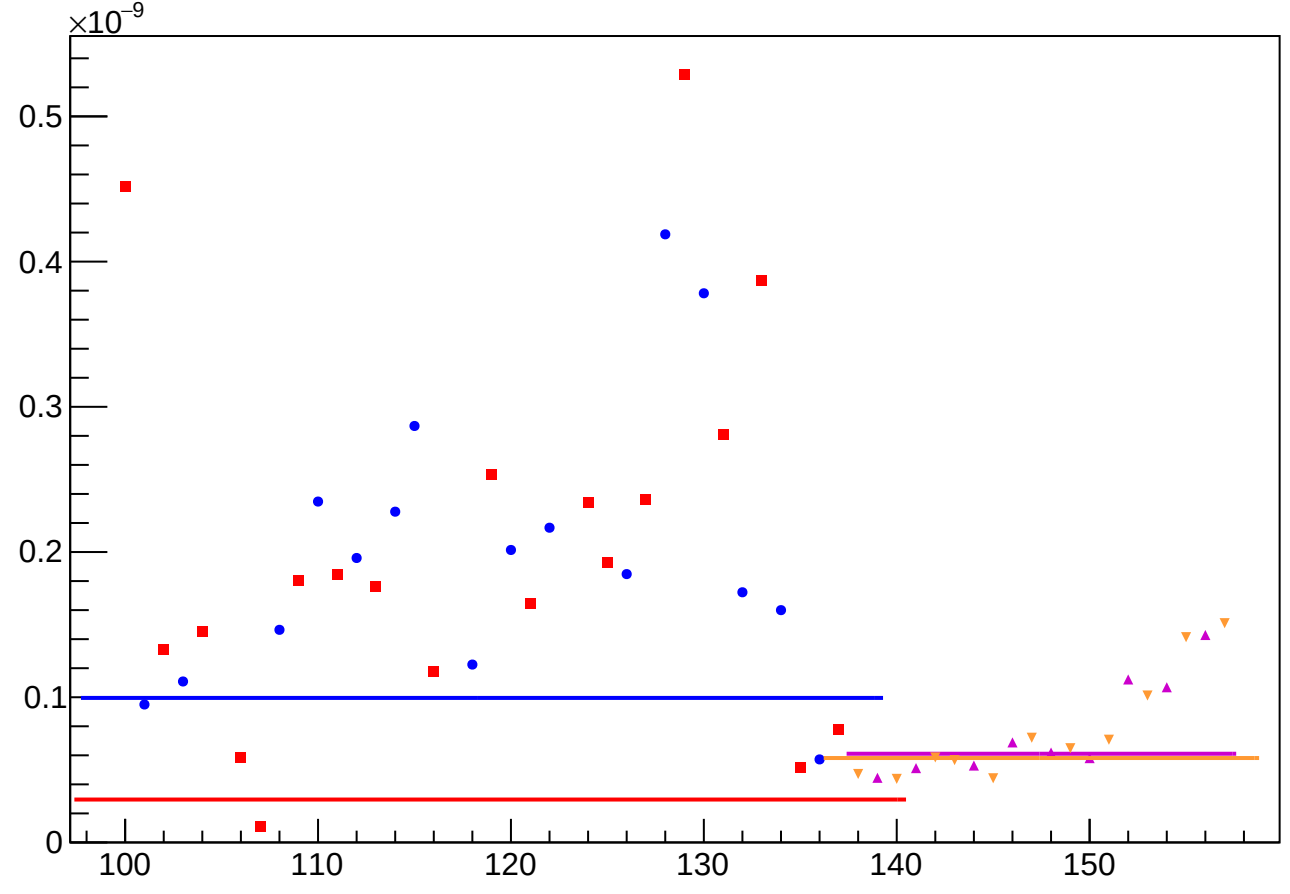
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/26

All: -0.000+/-0.000 χ^2/NDF: 59.9/54

- sign -0.000+/-0.000 χ^2/NDF: 24.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:804986.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

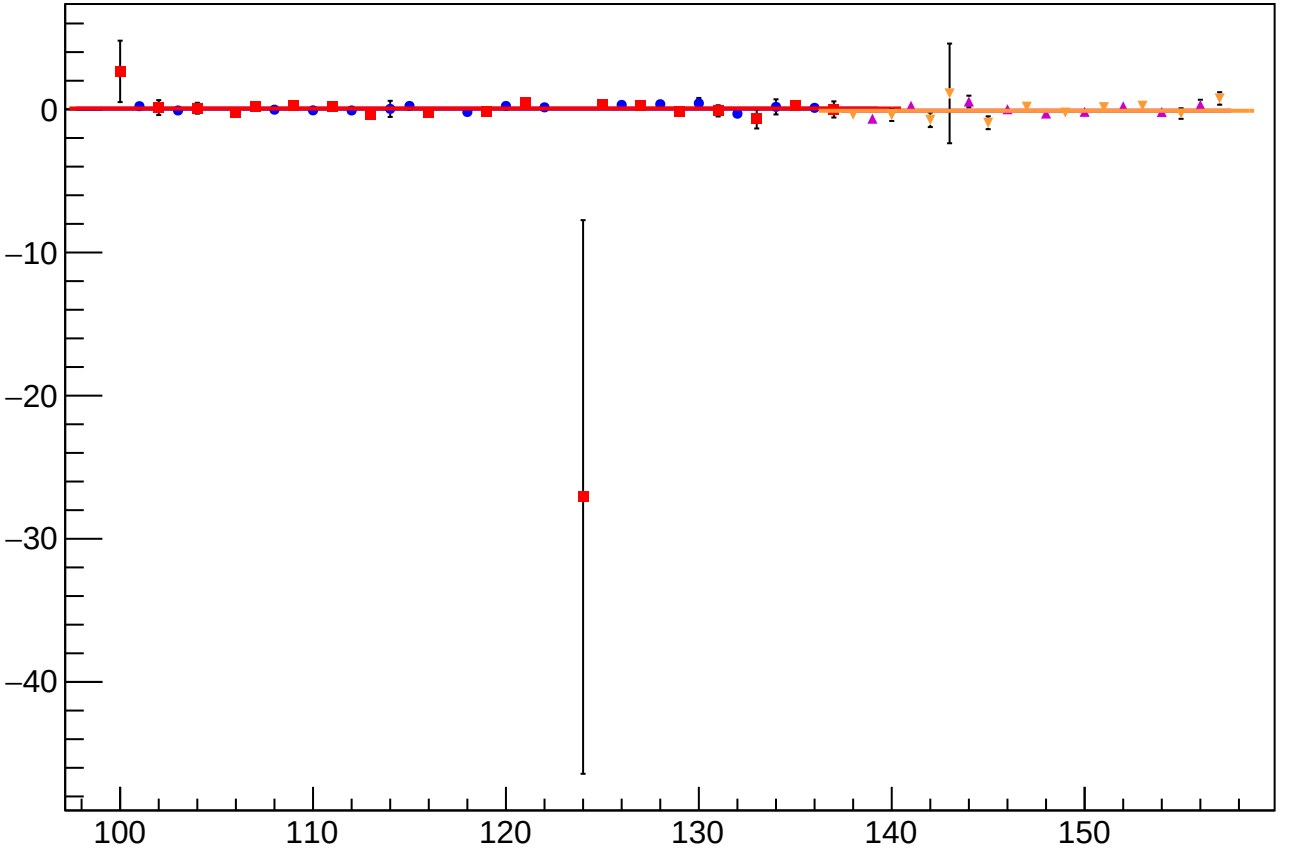
Left In: 0.000+/-0.000 χ^2/NDF:596886.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 2959129.2/26

All: 0.000+/-0.000 χ^2/NDF: 9392955.1/54

- sign 0.000+/-0.000 χ^2/NDF: 5749519.6/27

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

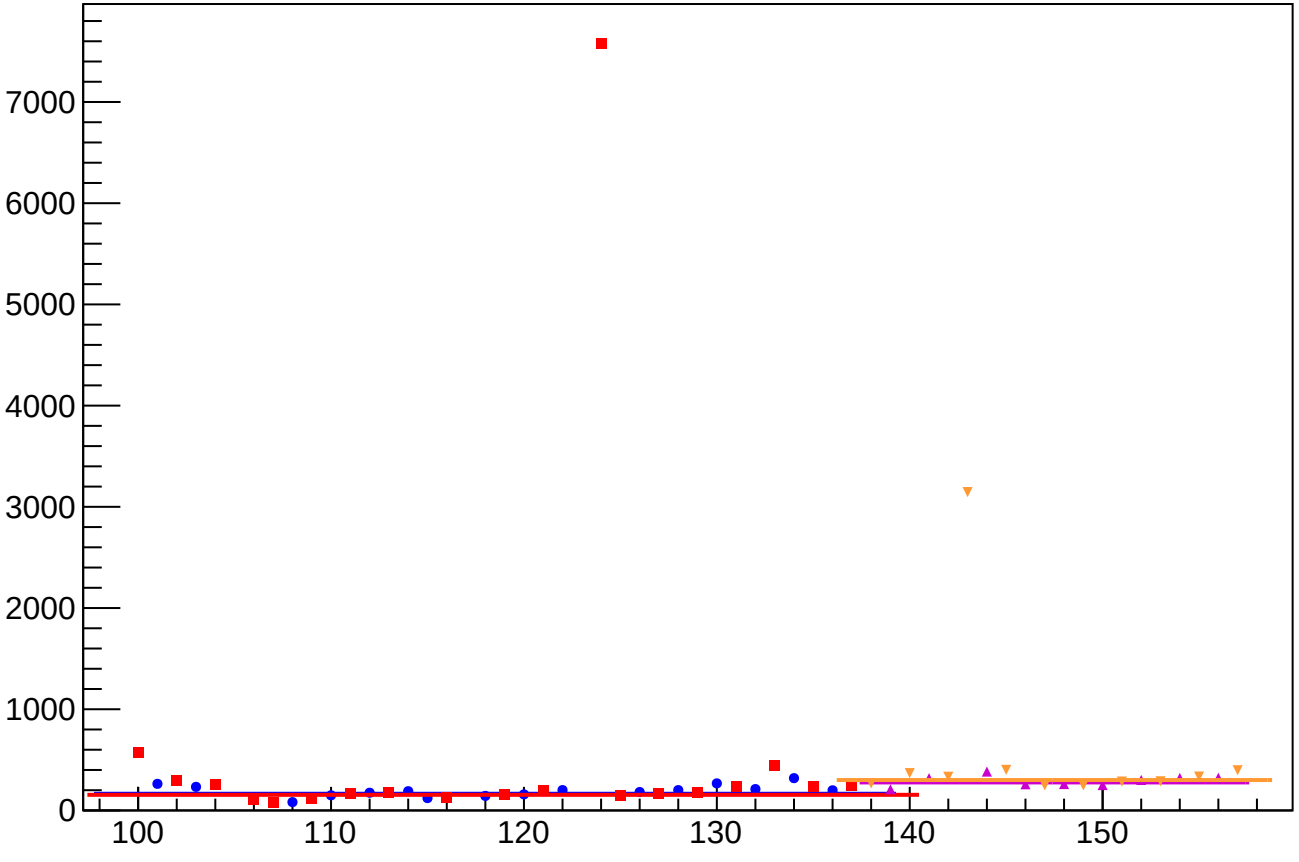
Left In: -0.090+/-0.101 χ^2/NDF:11.9/8

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.013+/-0.039 χ^2/NDF: 54.6/54

- sign 0.018+/-0.054 χ^2/NDF: 31.9/27

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

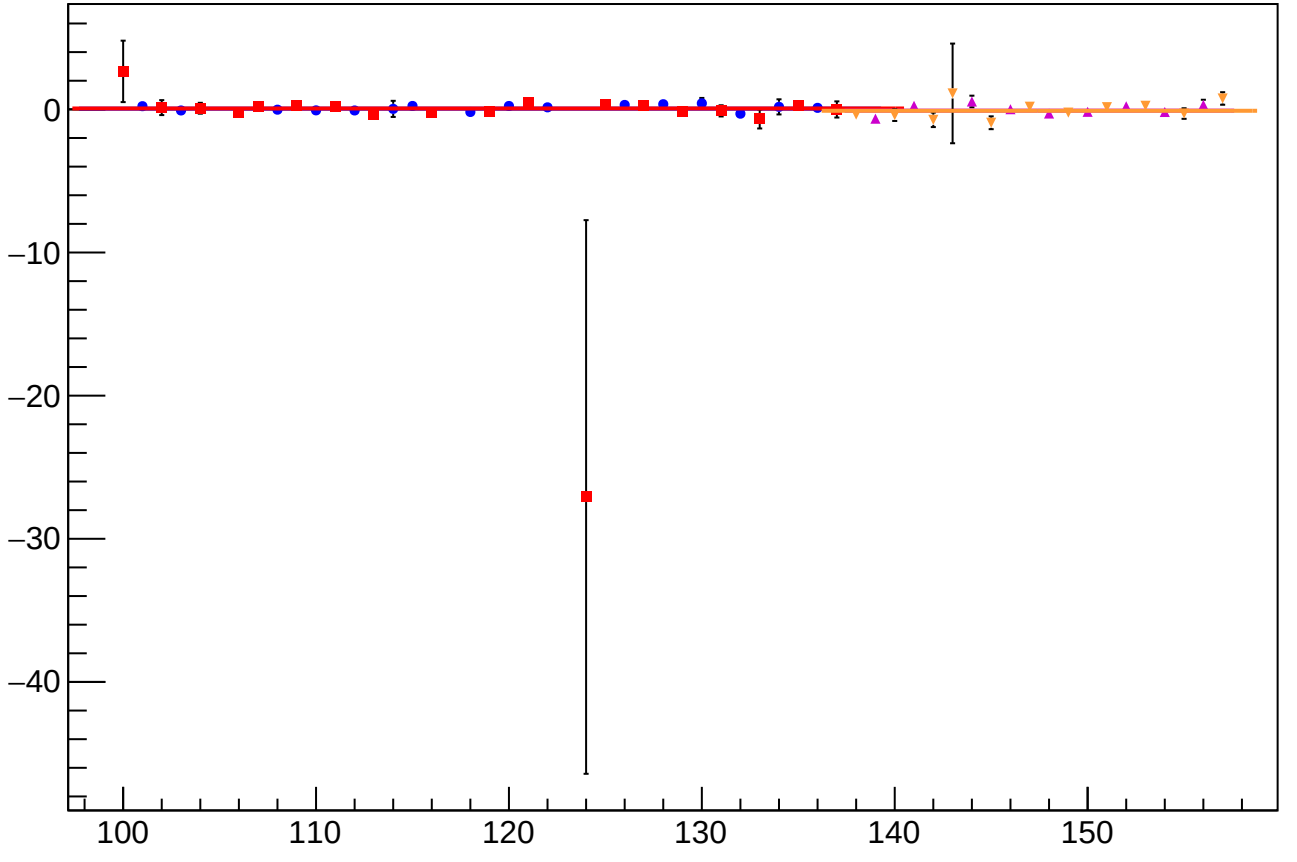
Left In: 276.918+/-0.072 χ^2/NDF:441188.4/8

+ sign 201.791+/-0.040 χ^2/NDF: 5539580.4/26

All: 195.459+/-0.028 χ^2/NDF: 10032129.1/54

- sign 189.628+/-0.038 χ^2/NDF: 4444539.3/27

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

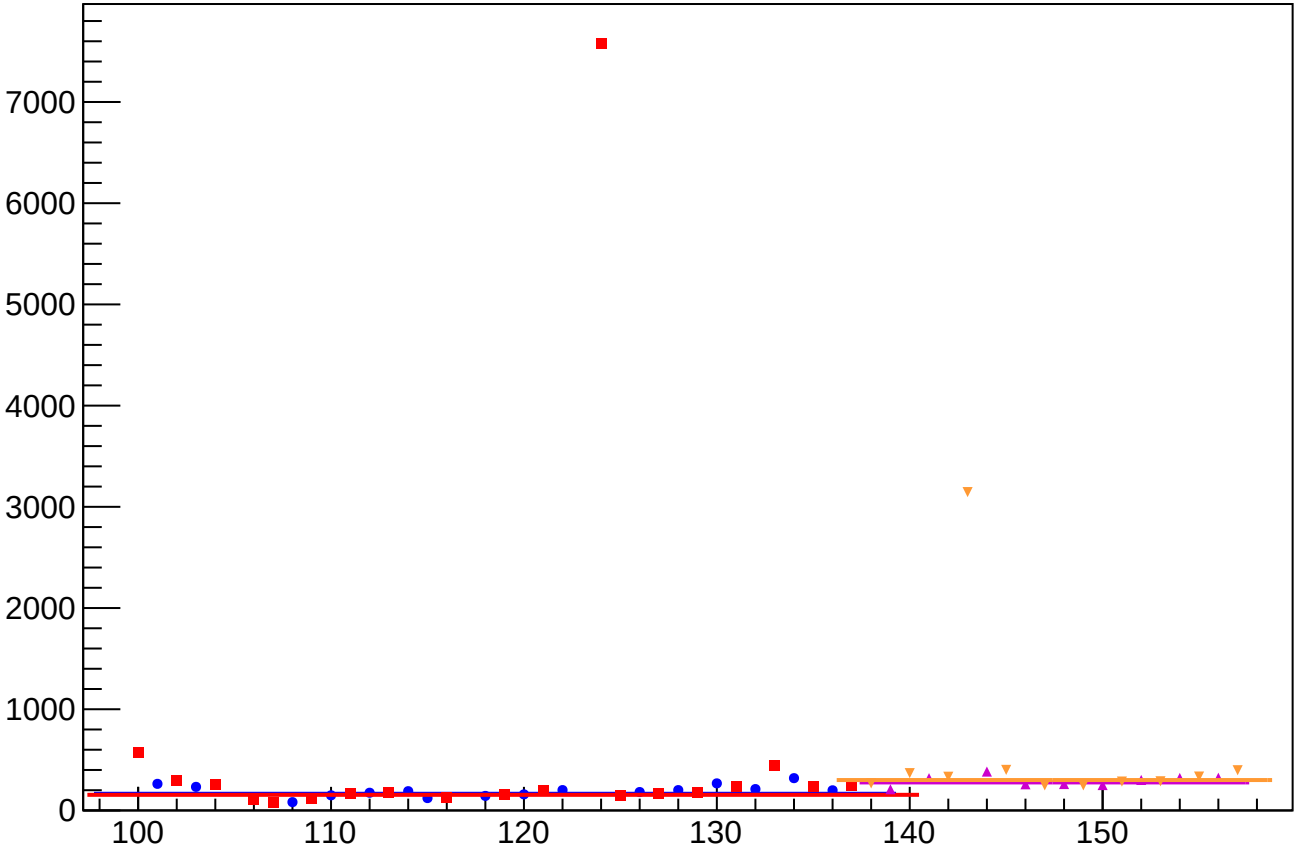
Left In: -0.090+/-0.101 χ^2/NDF:11.9/8

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.013+/-0.039 χ^2/NDF: 54.6/54

- sign 0.018+/-0.054 χ^2/NDF: 31.9/27

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.430+/-0.077 χ^2/NDF:1794291.7/10

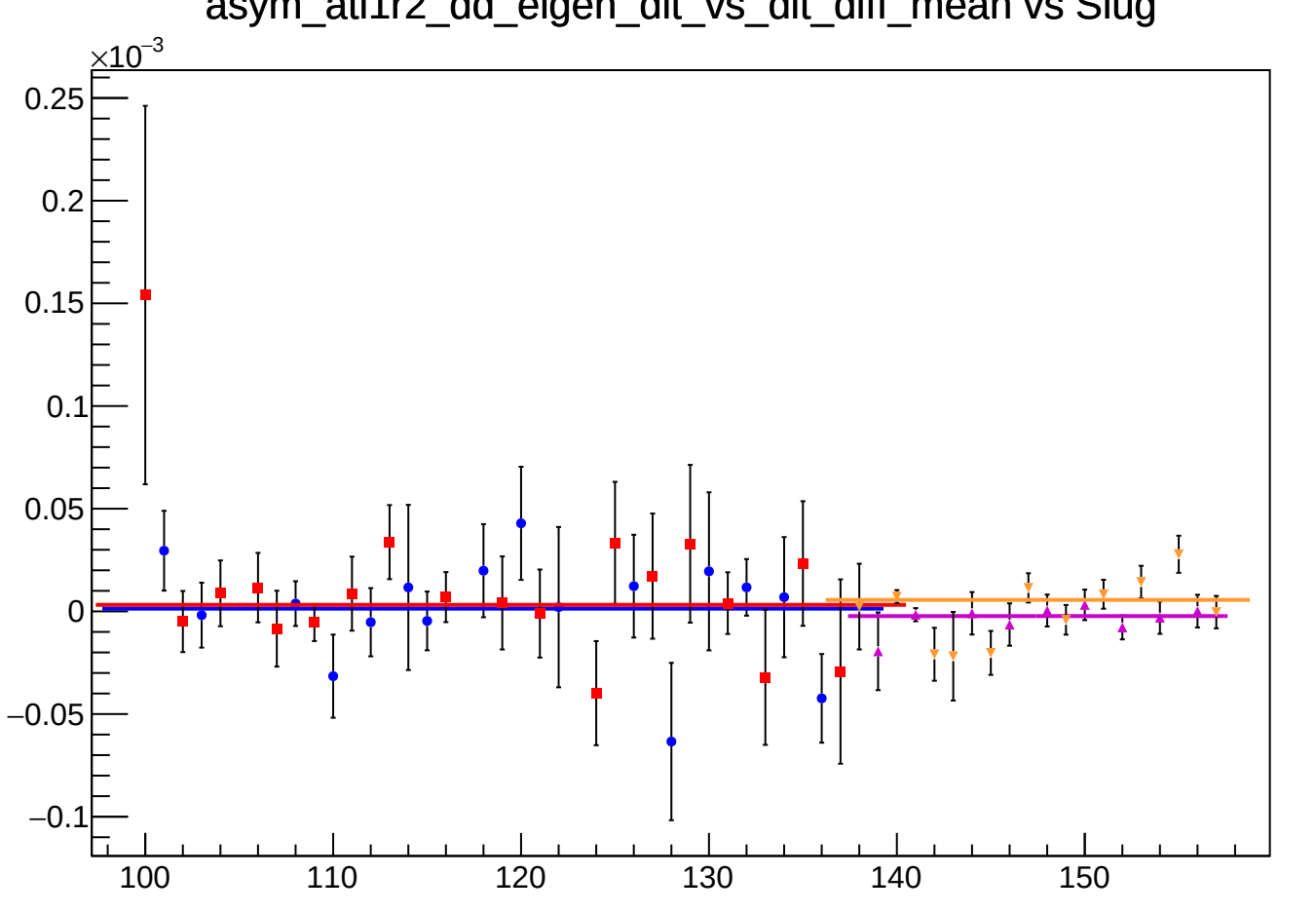
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 276.918+/-0.072 χ^2/NDF:441188.4/8

+ sign 201.791+/-0.040 χ^2/NDF: 5539580.4/26

All: 195.459+/-0.028 χ^2/NDF: 10032129.1/54

- sign 189.628+/-0.038 χ^2/NDF: 4444539.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

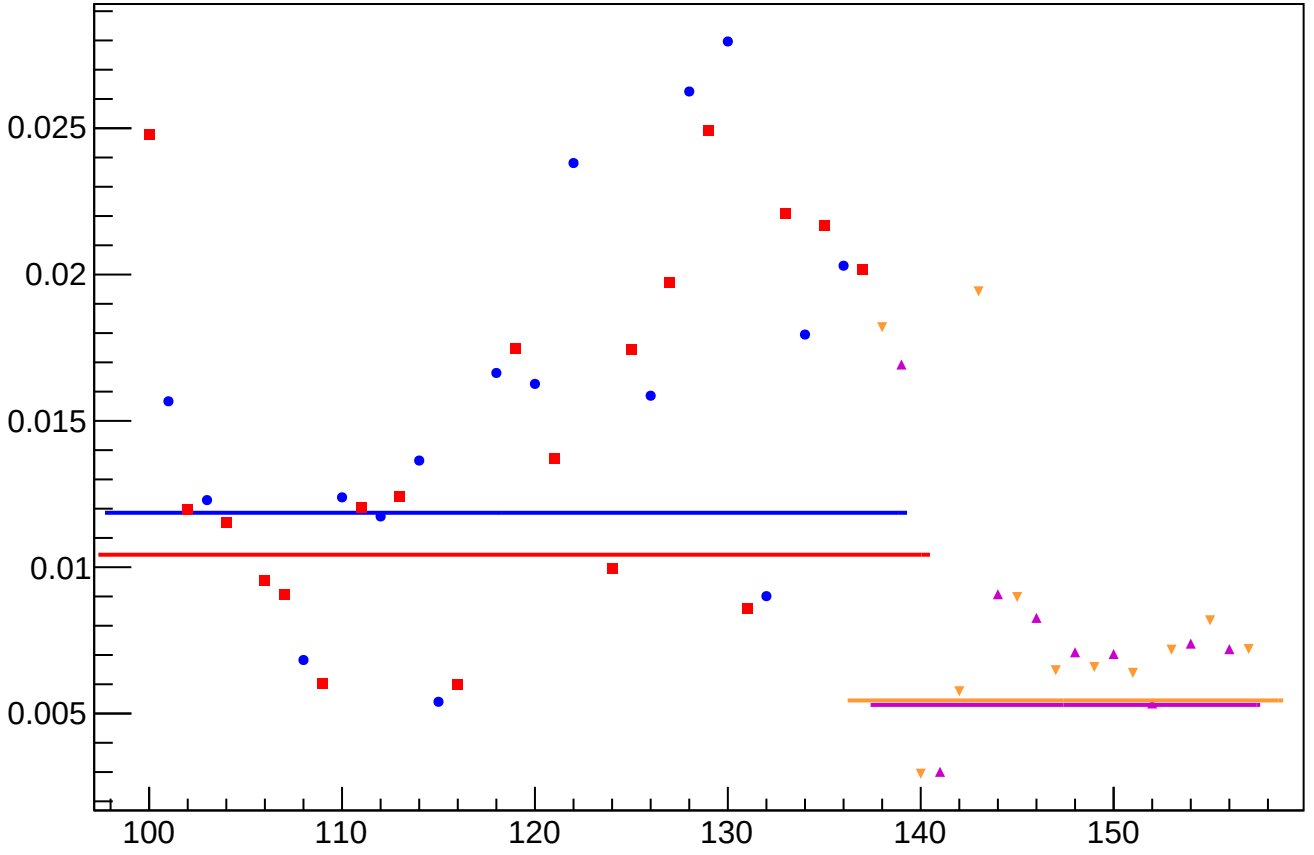
Left In: -0.000+/-0.000 χ^2/NDF:2.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 39.2/26

All: 0.000+/-0.000 χ^2/NDF: 62.7/54

- sign -0.000+/-0.000 χ^2/NDF: 18.6/27

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3529060.2/10

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

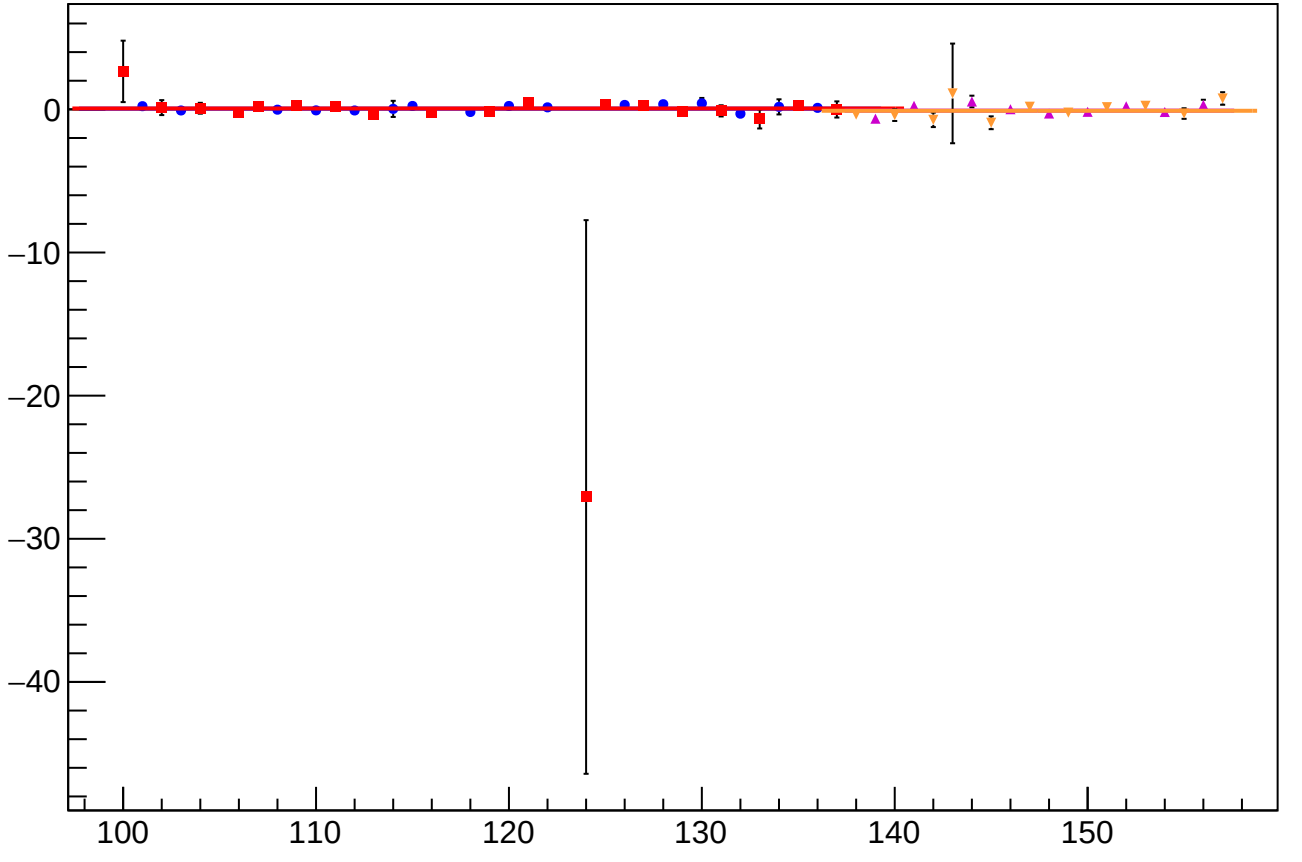
Left In: 0.005+/-0.000 χ^2/NDF:2681648.5/8

+ sign 0.006+/-0.000 χ^2/NDF: 8841231.1/26

All: 0.006+/-0.000 χ^2/NDF: 16212146.4/54

- sign 0.006+/-0.000 χ^2/NDF: 7366502.3/27

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

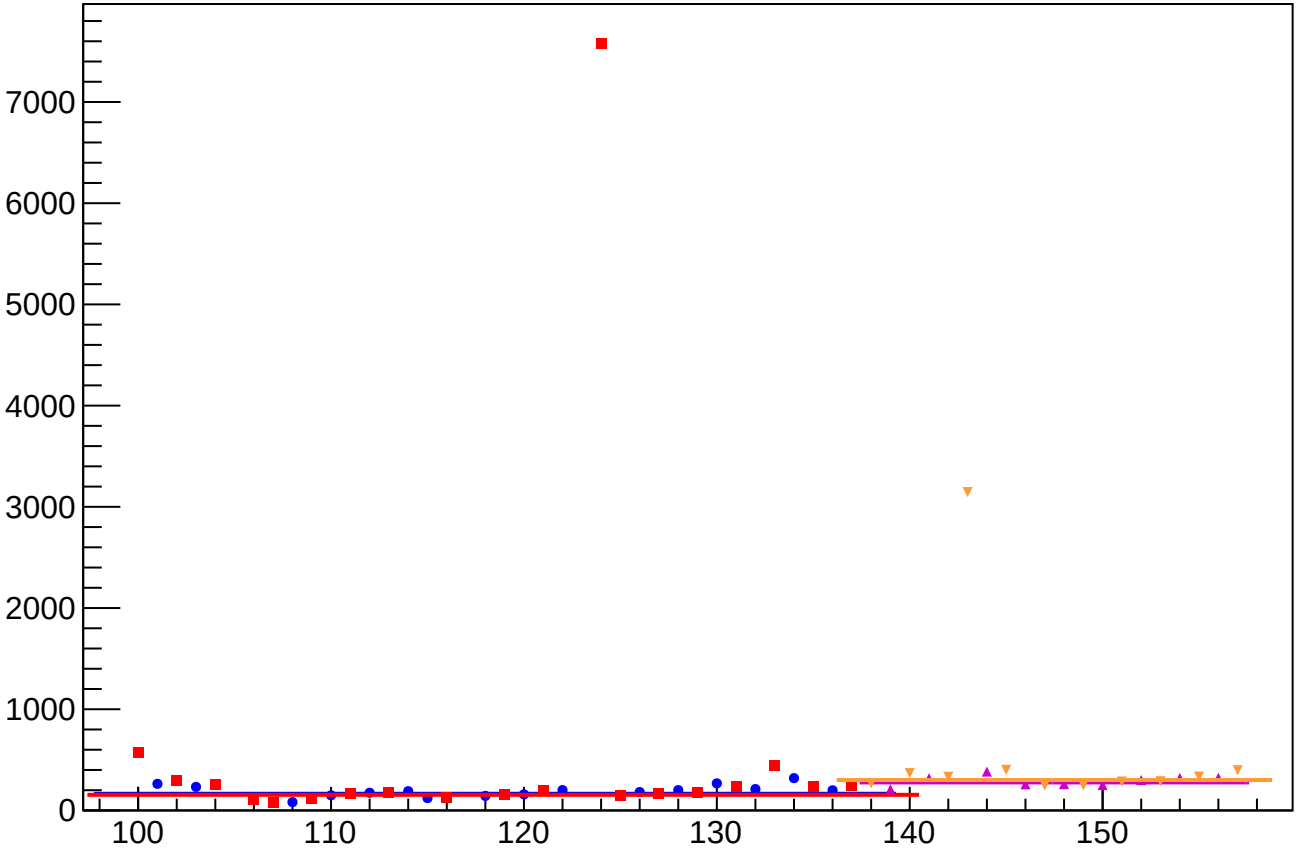
Left In: -0.090+/-0.101 χ^2/NDF:11.9/8

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.013+/-0.039 χ^2/NDF: 54.6/54

- sign 0.018+/-0.054 χ^2/NDF: 31.9/27

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

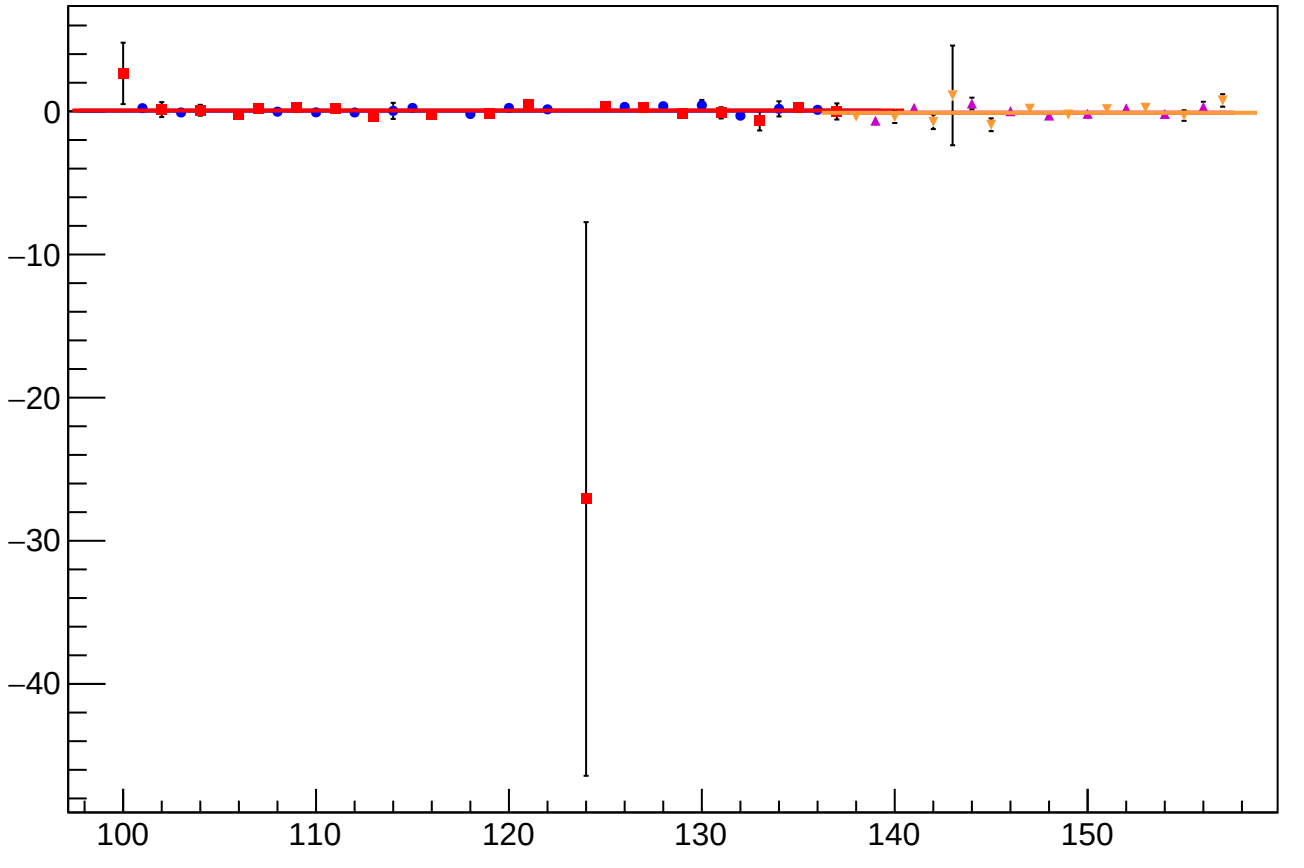
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 276.921+/-0.072 χ^2/NDF:441159.1/8

+ sign 201.791+/-0.040 χ^2/NDF: 5539618.3/26

All: 195.459+/-0.028 χ^2/NDF: 10032250.0/54

- sign 189.628+/-0.038 χ^2/NDF: 4444623.0/27



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.099+/-0.109 χ^2/NDF:13.7/10

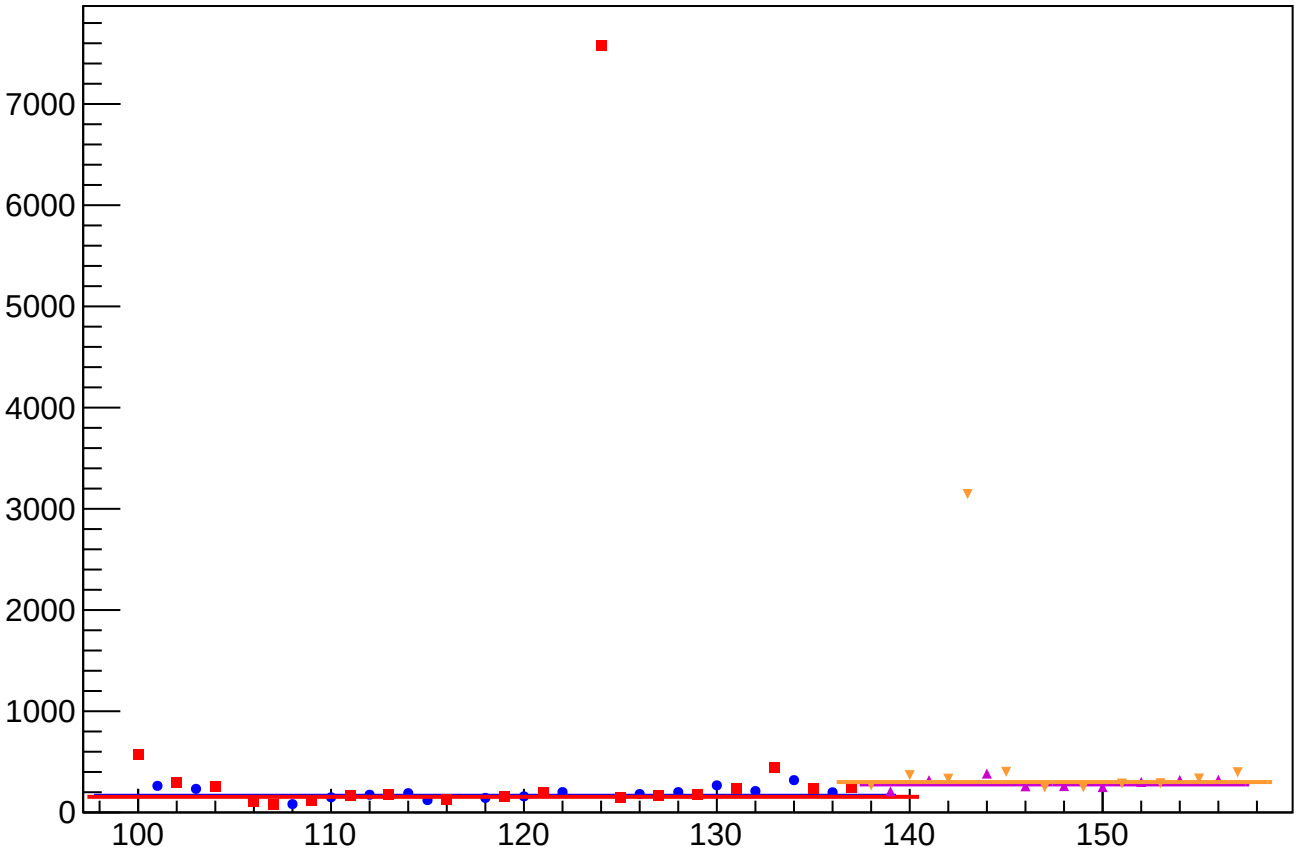
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.090+/-0.101 χ^2/NDF:11.9/8

+ sign 0.008+/-0.057 χ^2/NDF: 22.7/26

All: 0.013+/-0.039 χ^2/NDF: 54.6/54

- sign 0.018+/-0.054 χ^2/NDF: 31.9/27



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.434+/-0.077 χ^2/NDF:1794264.7/10

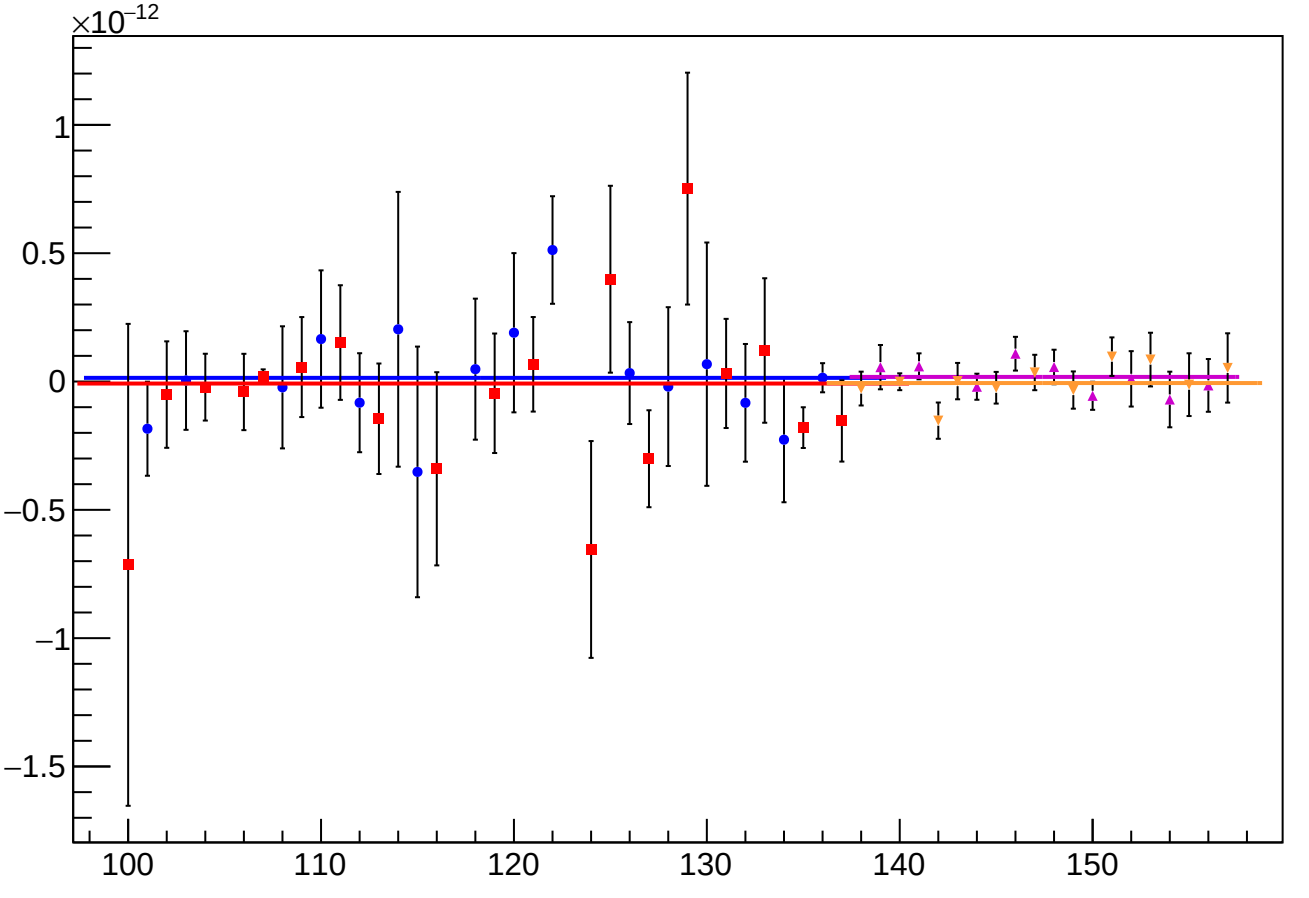
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 276.921+/-0.072 χ^2/NDF:441159.1/8

+ sign 201.791+/-0.040 χ^2/NDF: 5539618.3/26

All: 195.459+/-0.028 χ^2/NDF: 10032250.0/54

- sign 189.628+/-0.038 χ^2/NDF: 4444623.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

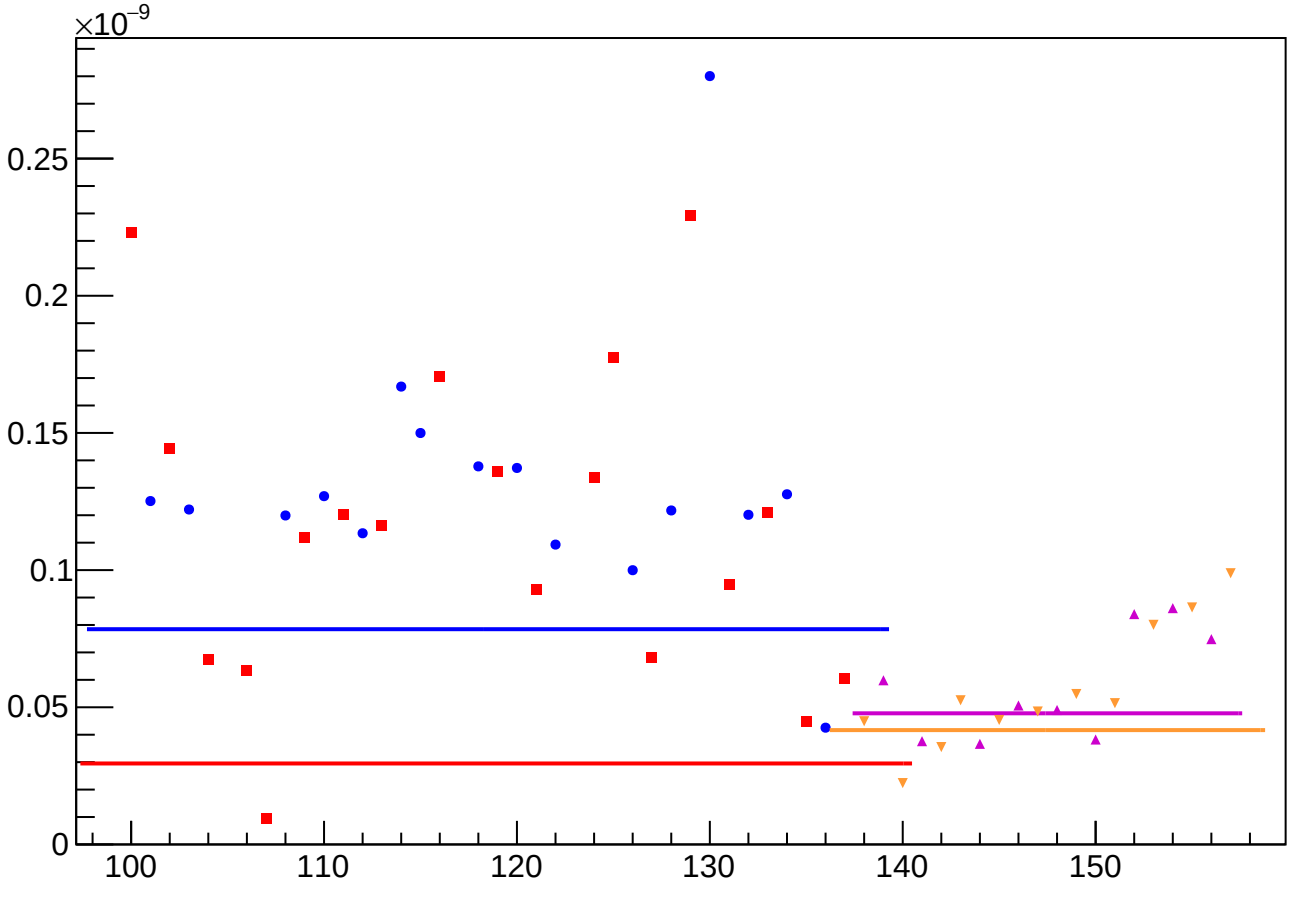
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/8

\+ sign -0.000+/-0.000 χ^2/NDF: 17.7/26

All: 0.000+/-0.000 χ^2/NDF: 43.0/54

\- sign 0.000+/-0.000 χ^2/NDF: 25.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1781674.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

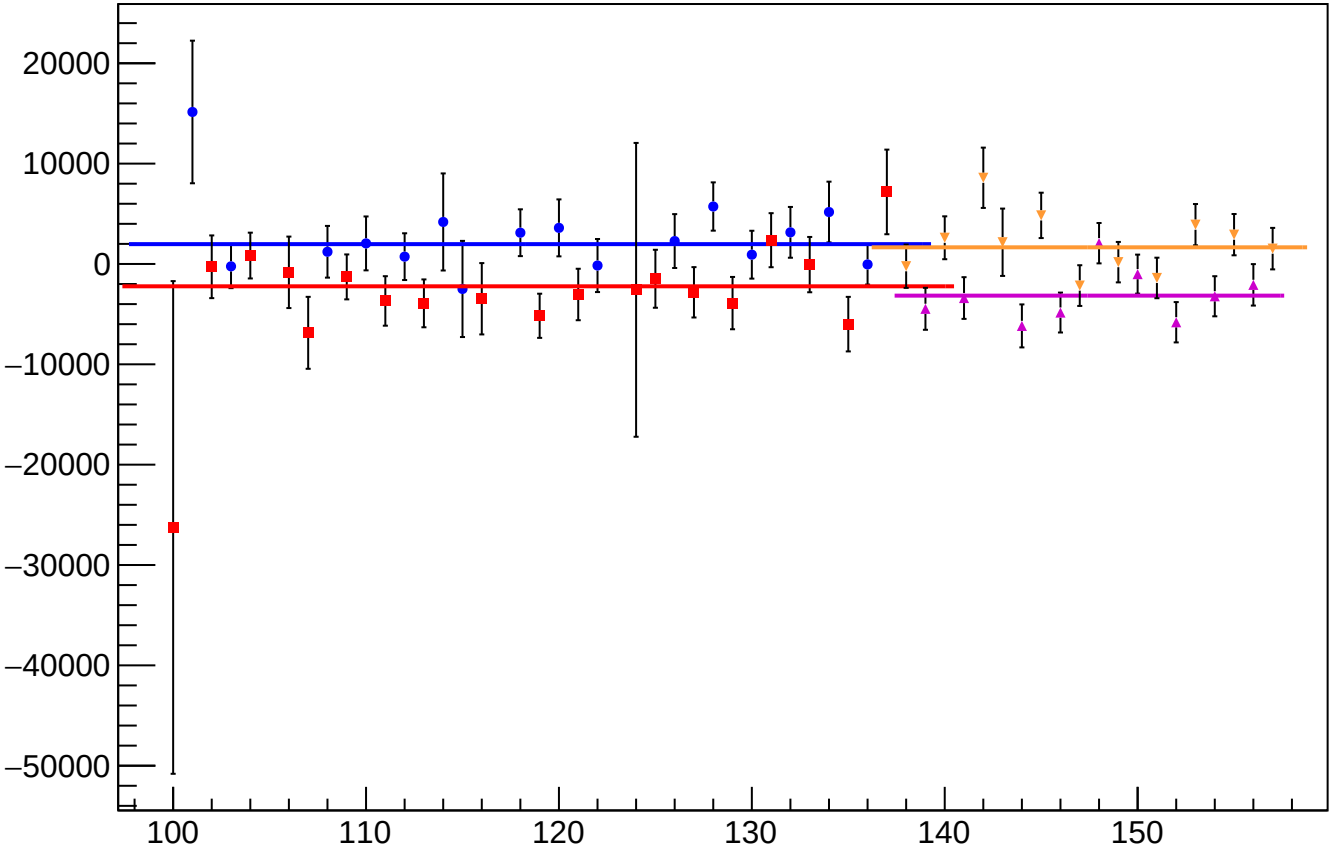
Left In: 0.000+/-0.000 χ^2/NDF:894199.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 5125149.7/26

All: 0.000+/-0.000 χ^2/NDF: 12455301.5/54

- sign 0.000+/-0.000 χ^2/NDF: 7027409.9/27

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.815+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

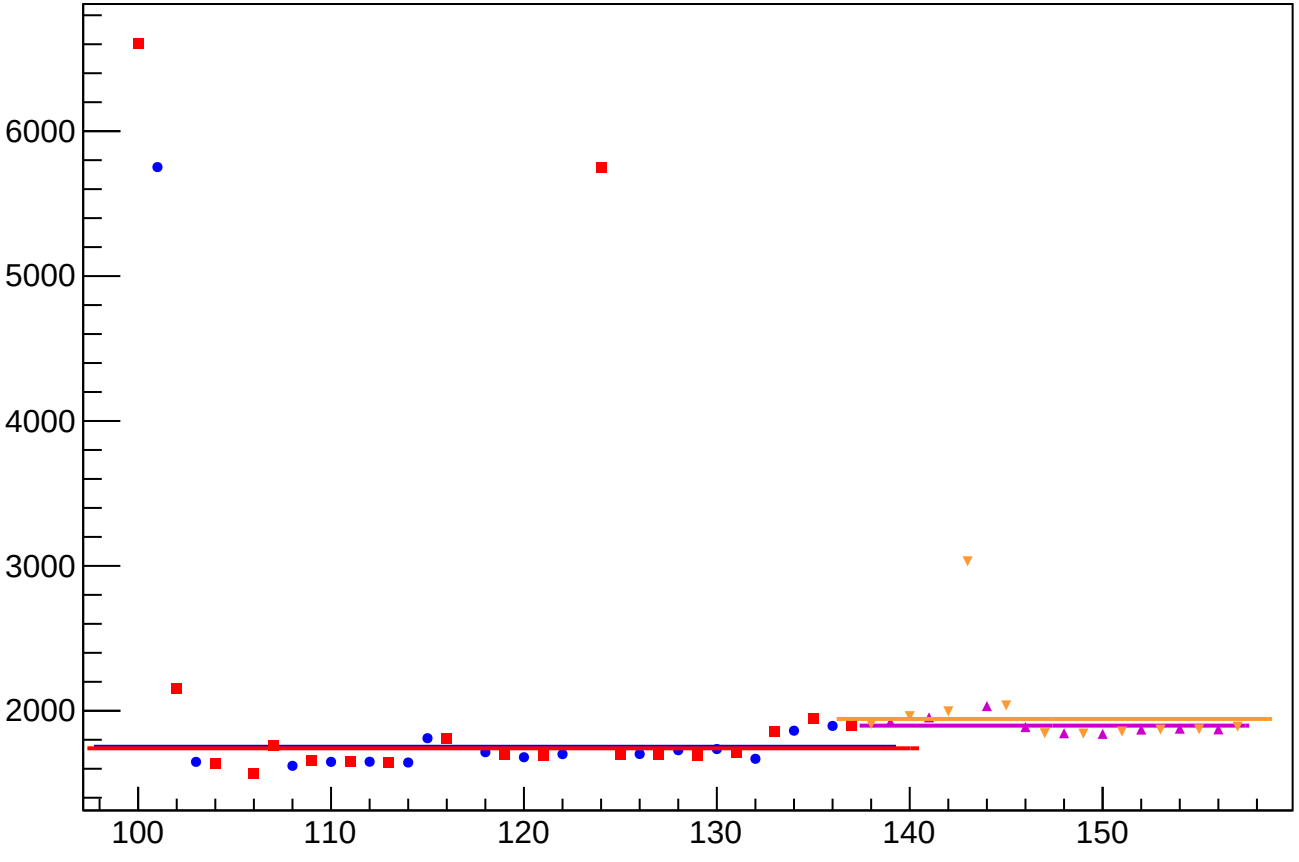
Left In: -3156.340+/-677.969 χ^2/NDF:13.1/8

+ sign 1816.629+/-470.761 χ^2/NDF: 28.5/26

All: -426.023+/-333.155 χ^2/NDF: 107.0/54

- sign -2676.143+/-471.544 χ^2/NDF: 33.0/27

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

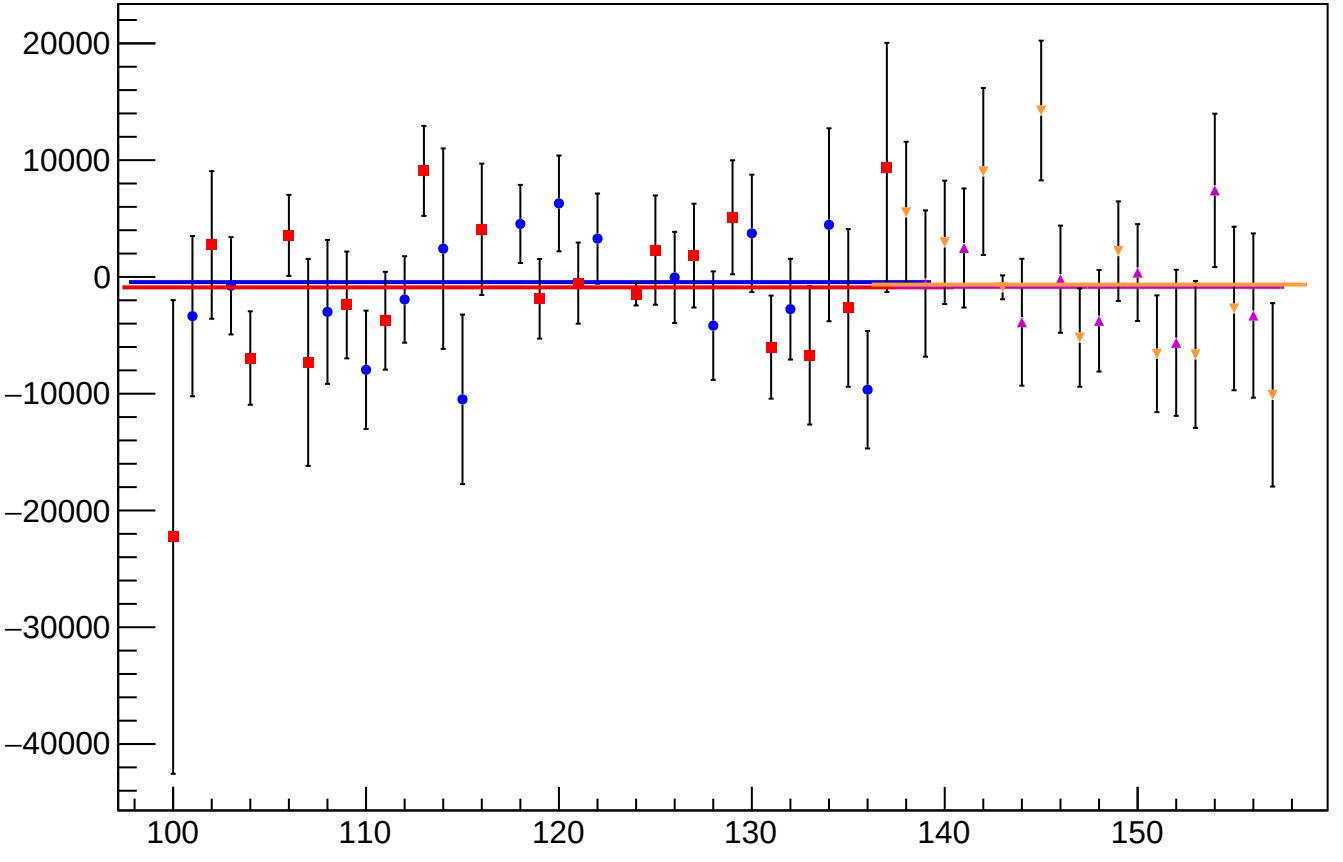
Left In: 1897.618+/-0.479 χ^2/NDF:13750.4/8

+ sign 1848.224+/-0.333 χ^2/NDF: 988597.3/26

All: 1832.184+/-0.235 χ^2/NDF: 1367092.6/54

- sign 1816.214+/-0.332 χ^2/NDF: 373862.0/27

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -655.253+/-883.637 χ^2/NDF:15.1/10

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

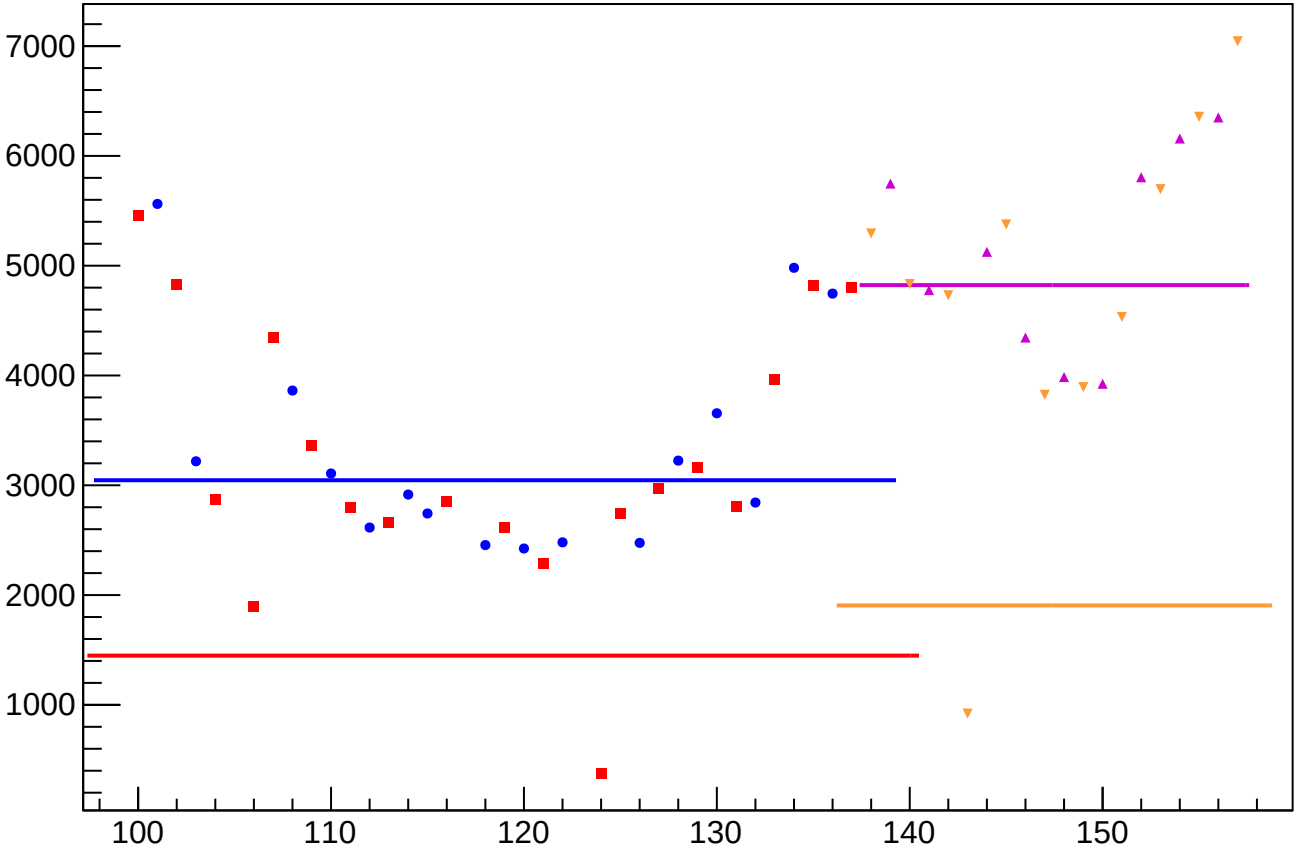
Left In: -847.622+/-1753.829 χ^2/NDF:3.6/8

+ sign -578.992+/-706.101 χ^2/NDF: 31.0/26

All: -740.259+/-486.248 χ^2/NDF: 54.8/54

- sign -885.715+/-670.591 χ^2/NDF: 23.7/27

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1905.497+/-0.625 χ^2/NDF:7877216.5/10

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

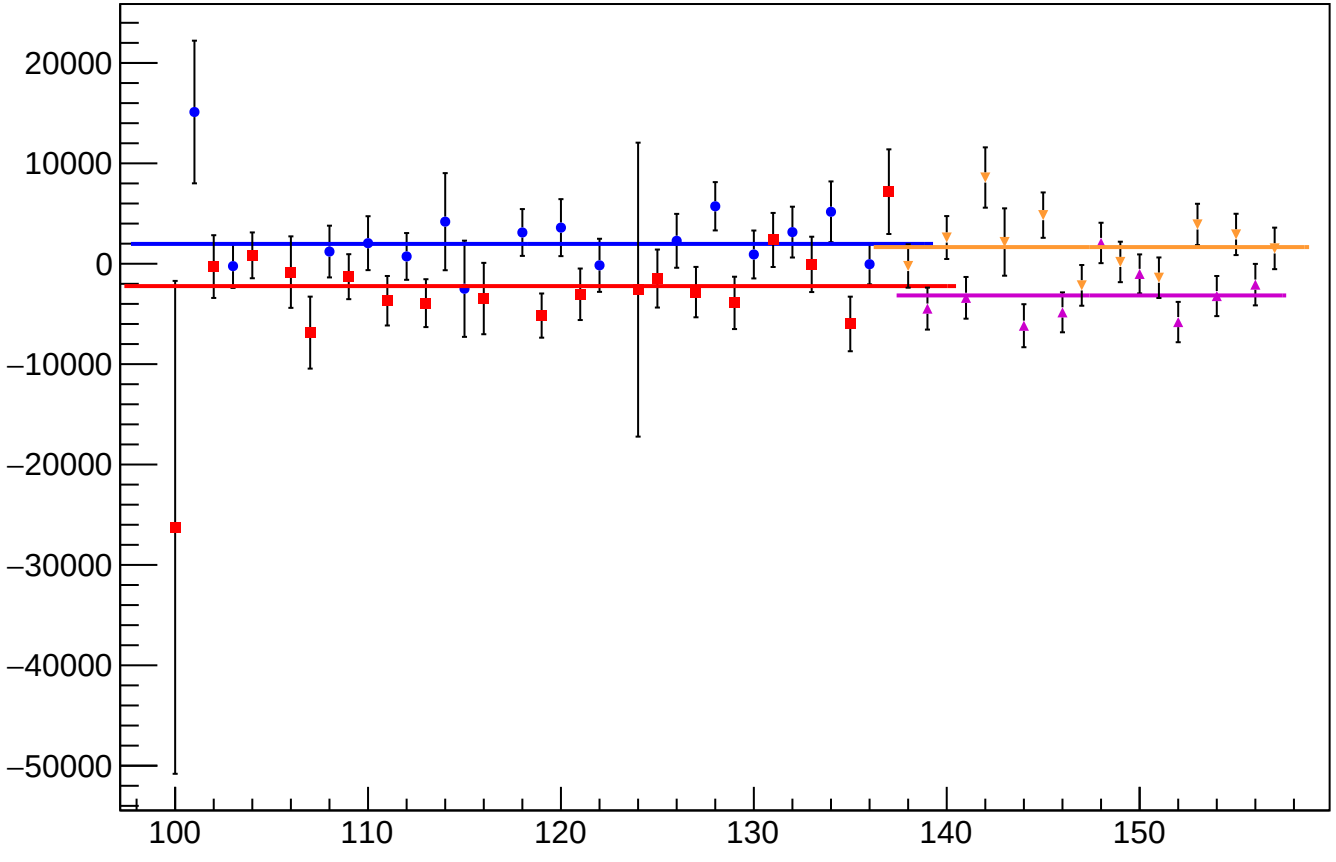
Left In: 4823.150+/-1.240 χ^2/NDF:465634.9/8

+ sign 2317.718+/-0.499 χ^2/NDF: 9988742.5/26

All: 2120.113+/-0.344 χ^2/NDF: 23861376.3/5

- sign 1941.883+/-0.474 χ^2/NDF: 13574718.9/27

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

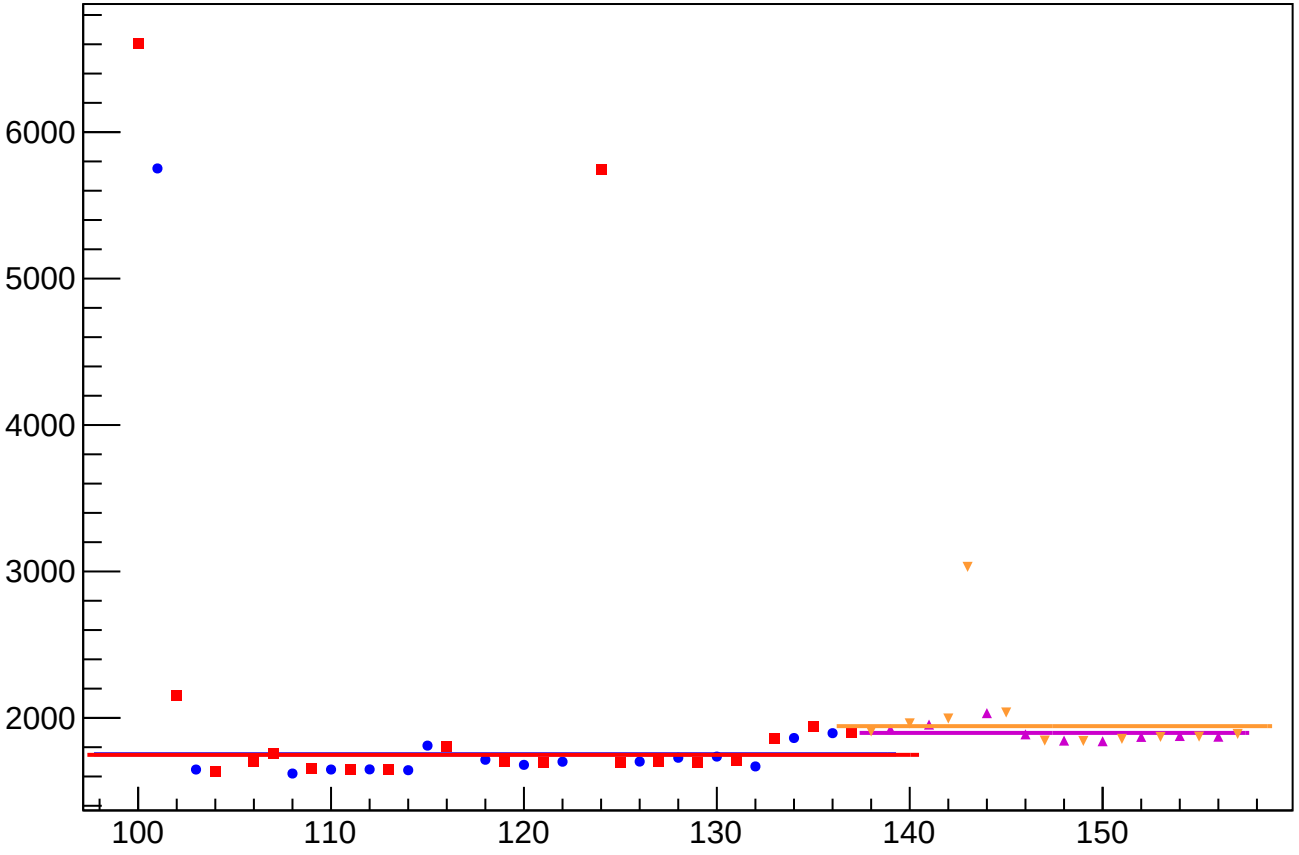
Left In: -3156.521+/-677.969 χ^2/NDF:13.1/8

+ sign 1816.501+/-470.761 χ^2/NDF: 28.4/26

All: -426.156+/-333.155 χ^2/NDF: 106.9/54

- sign -2676.281+/-471.544 χ^2/NDF: 33.0/27

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

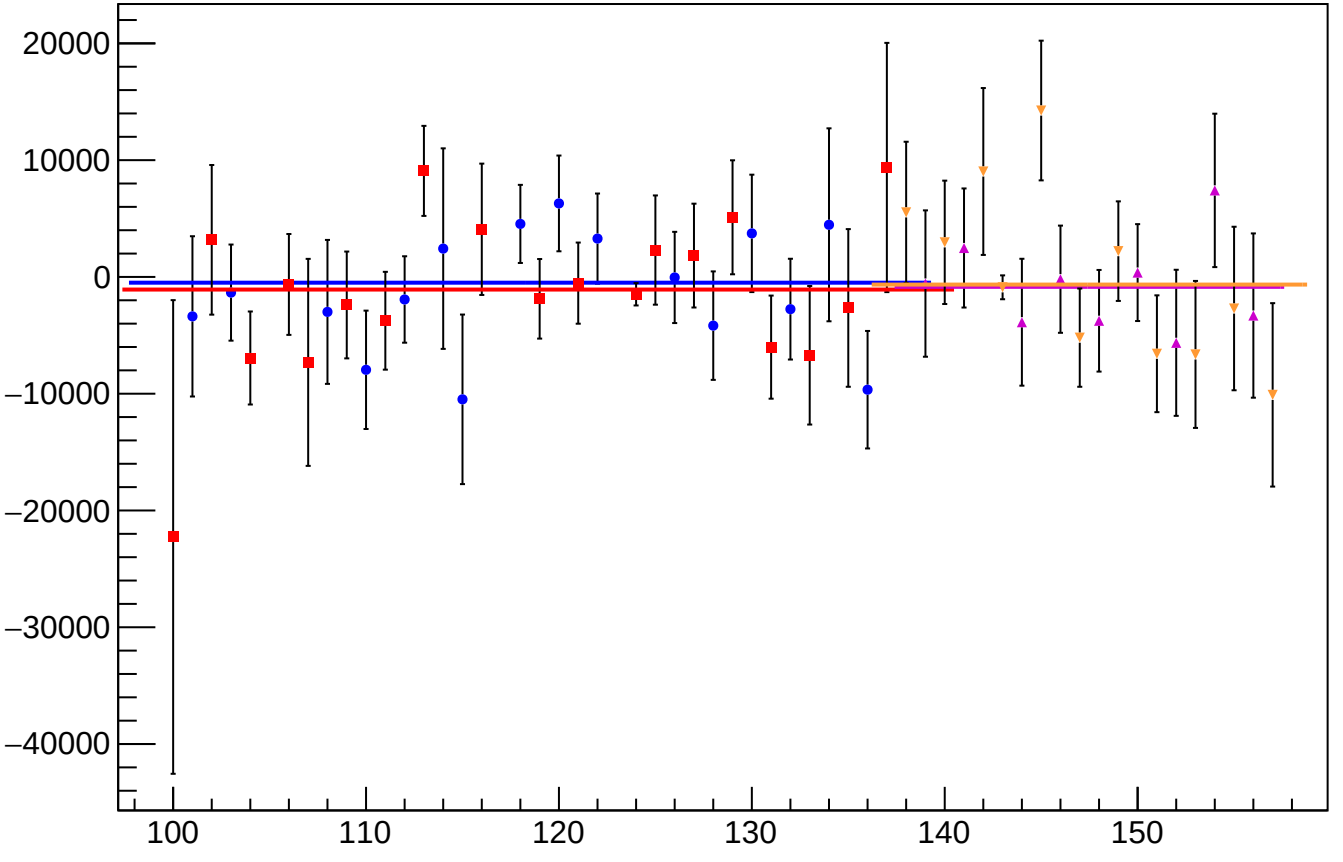
Left In: 1897.618+/-0.479 χ^2/NDF:13750.4/8

+ sign 1848.223+/-0.333 χ^2/NDF: 988597.8/26

All: 1834.101+/-0.235 χ^2/NDF: 1354476.0/54

- sign 1819.987+/-0.333 χ^2/NDF: 362279.6/27

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

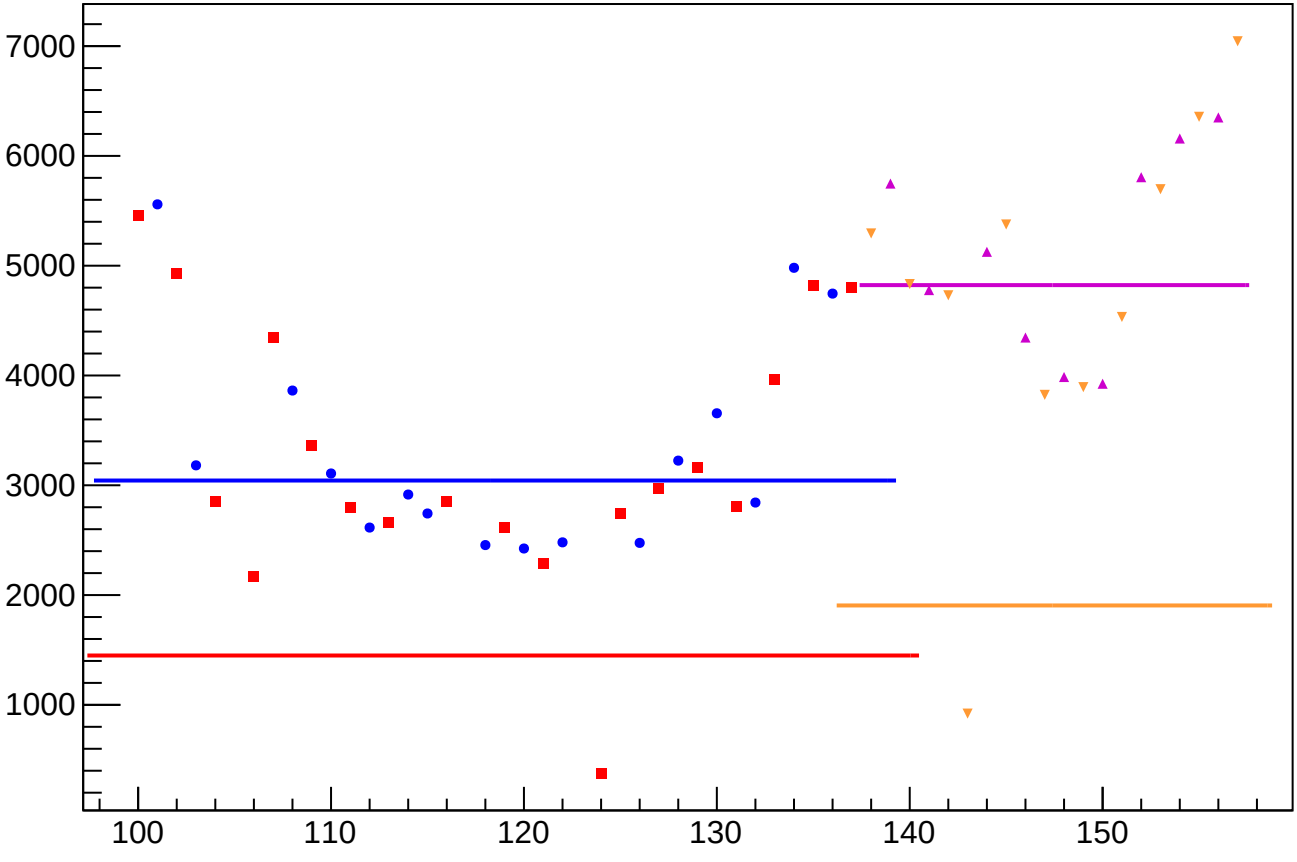
Left In: -847.724+/-1753.828 χ^2/NDF:3.6/8

+ sign -596.379+/-705.824 χ^2/NDF: 31.1/26

All: -831.383+/-487.867 χ^2/NDF: 53.3/54

- sign -1046.371+/-675.097 χ^2/NDF: 22.1/27

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

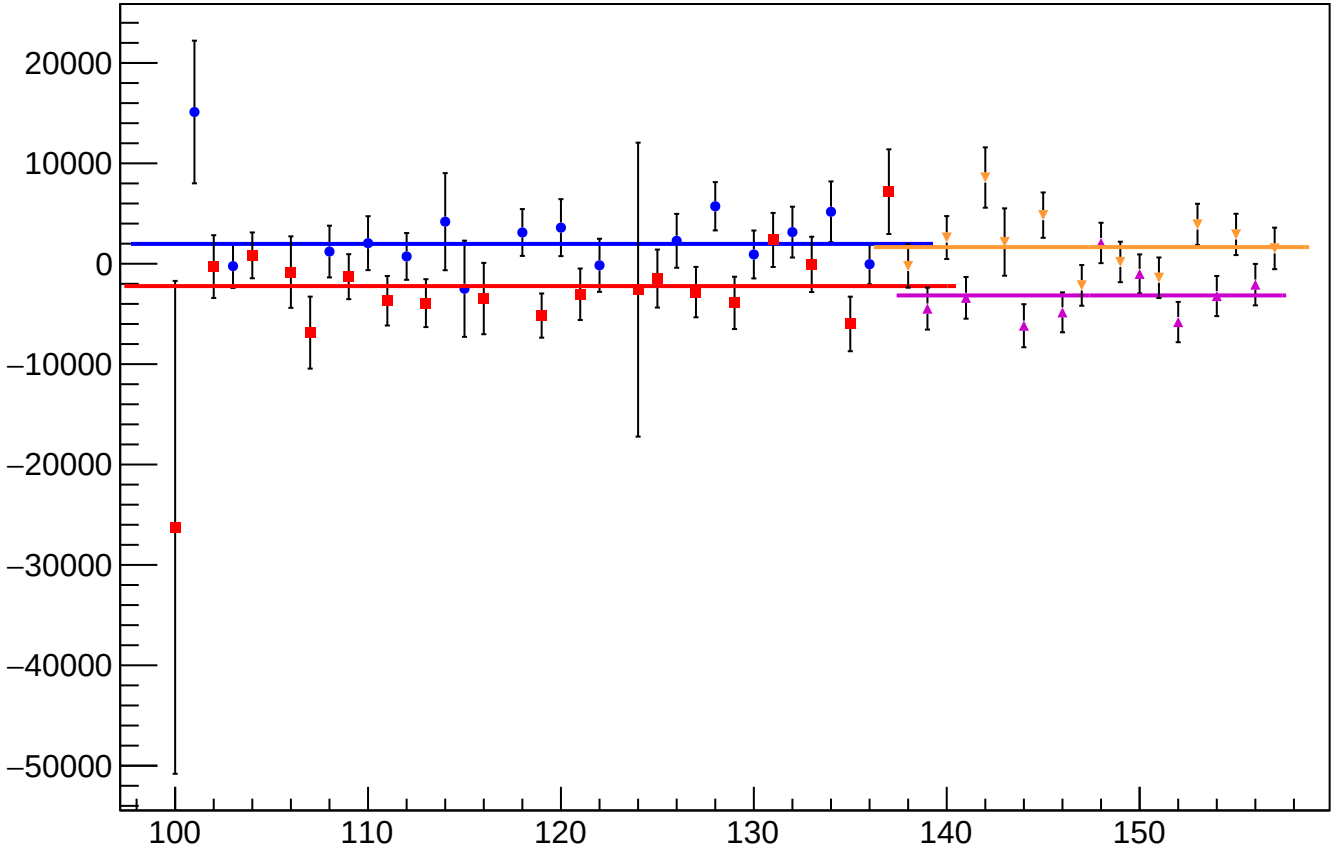
Left In: 4823.149+/-1.240 χ^2/NDF:465633.1/8

+ sign 2317.230+/-0.499 χ^2/NDF: 9983507.6/26

All: 2125.126+/-0.345 χ^2/NDF: 23862381.1/5

- sign 1949.385+/-0.477 χ^2/NDF: 13595187.0/27

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1658.908+/-663.819 χ^2/NDF:16.2/10

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

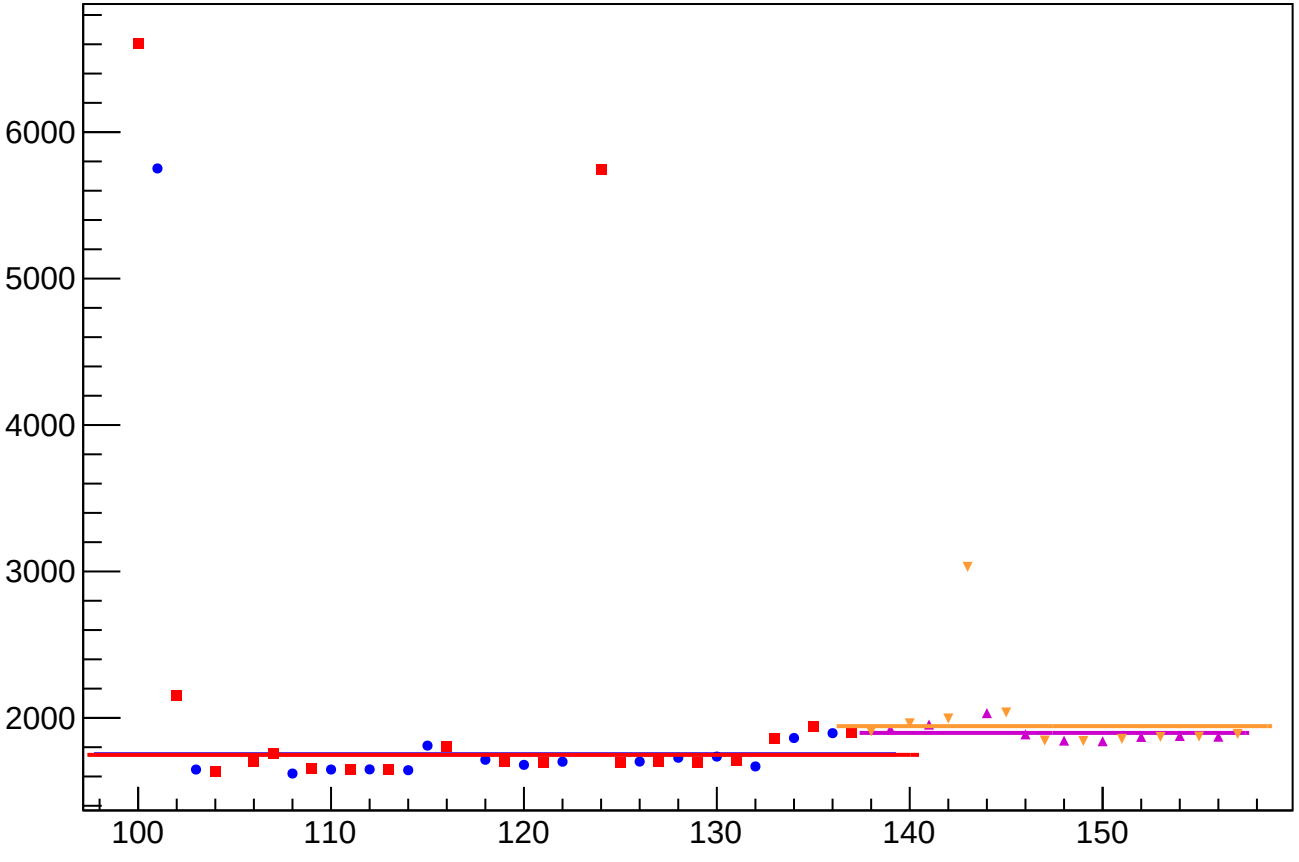
Left In: -3156.521+/-677.969 χ^2/NDF:13.1/8

+ sign 1816.501+/-470.761 χ^2/NDF: 28.4/26

All: -426.156+/-333.155 χ^2/NDF: 106.9/54

- sign -2676.281+/-471.544 χ^2/NDF: 33.0/27

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1943.718+/-0.469 χ^2/NDF:234681.1/10

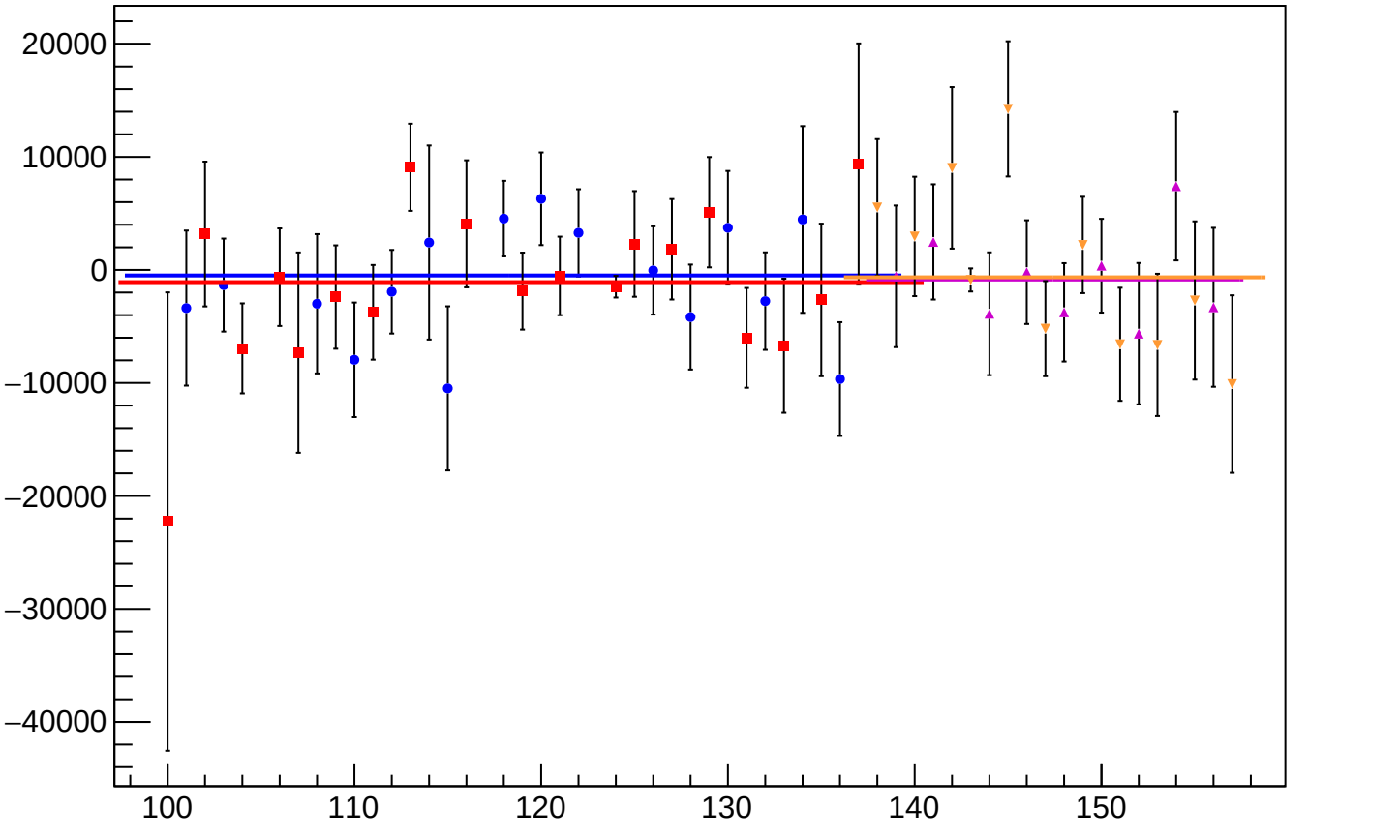
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1897.618+/-0.479 χ^2/NDF:13750.4/8

+ sign 1848.223+/-0.333 χ^2/NDF: 988597.8/26

All: 1834.101+/-0.235 χ^2/NDF: 1354476.0/54

- sign 1819.987+/-0.333 χ^2/NDF: 362279.6/27



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -655.064+/-883.610 χ^2/NDF:15.1/10

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

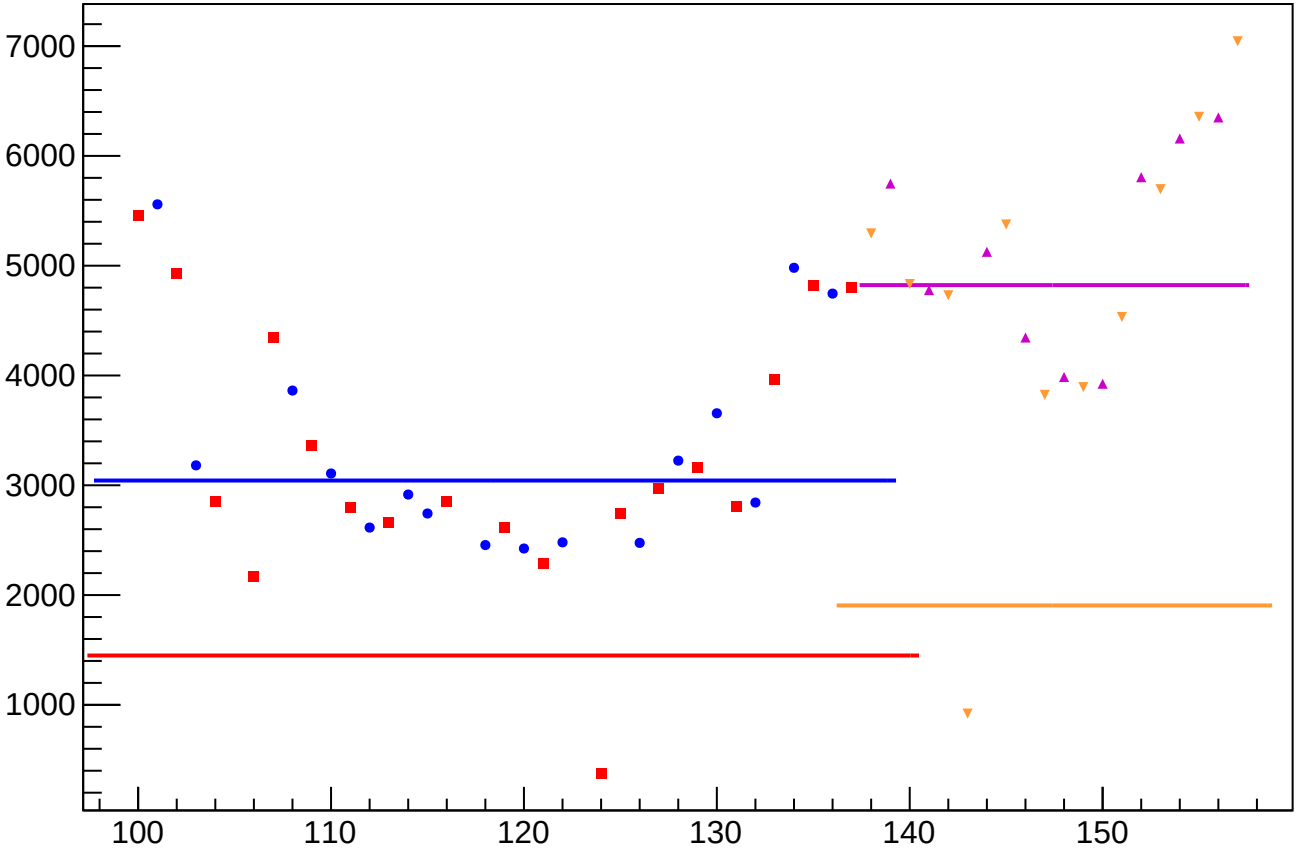
Left In: -847.724+/-1753.828 χ^2/NDF:3.6/8

+ sign -596.379+/-705.824 χ^2/NDF: 31.1/26

All: -831.383+/-487.867 χ^2/NDF: 53.3/54

- sign -1046.371+/-675.097 χ^2/NDF: 22.1/27

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1905.409+/-0.625 χ^2/NDF:7877500.8/10

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

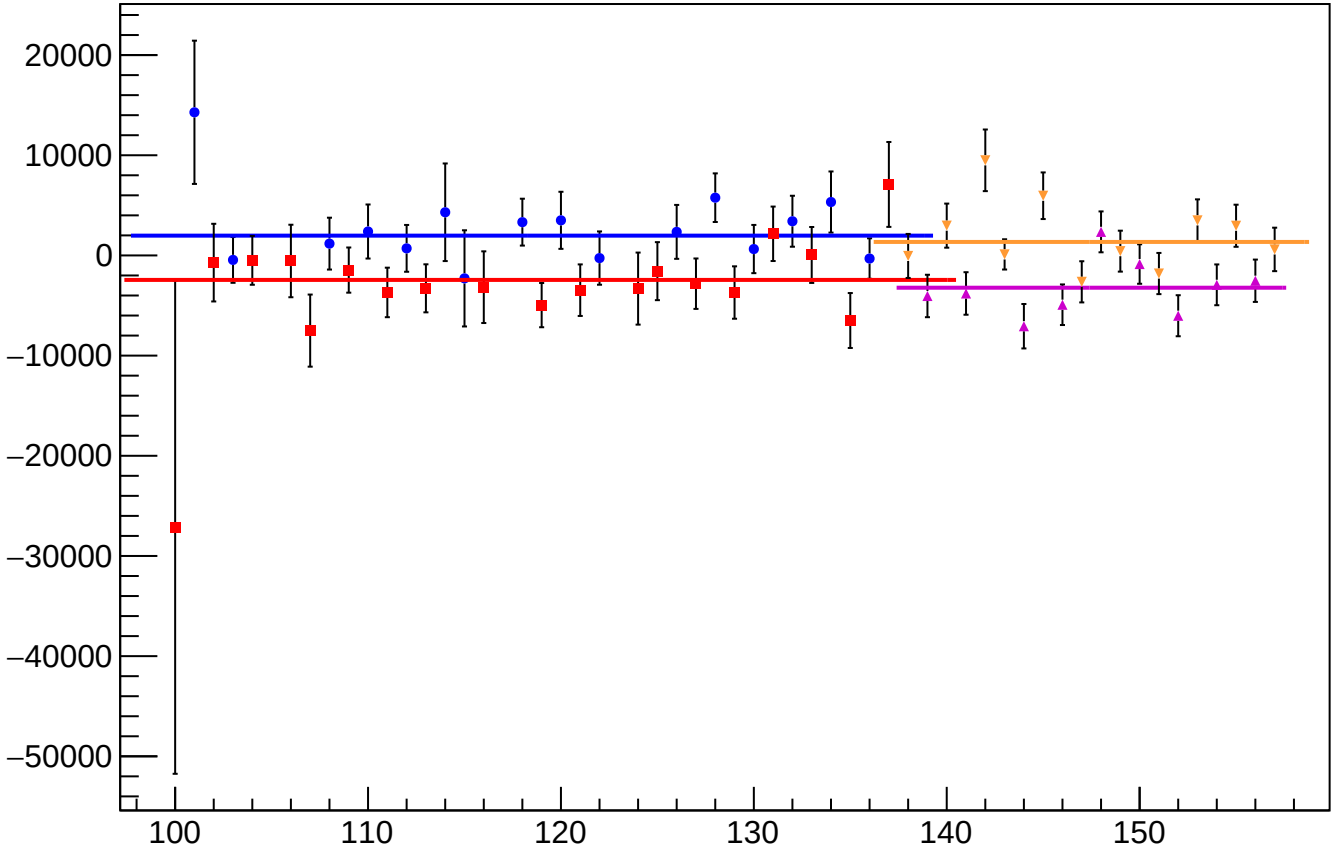
Left In: 4823.149+/-1.240 χ^2/NDF:465633.1/8

+ sign 2317.230+/-0.499 χ^2/NDF: 9983507.6/26

All: 2125.126+/-0.345 χ^2/NDF: 23862381.1/5

- sign 1949.385+/-0.477 χ^2/NDF: 13595187.0/27

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.986+/-629.703 χ^2/NDF:20.7/10

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

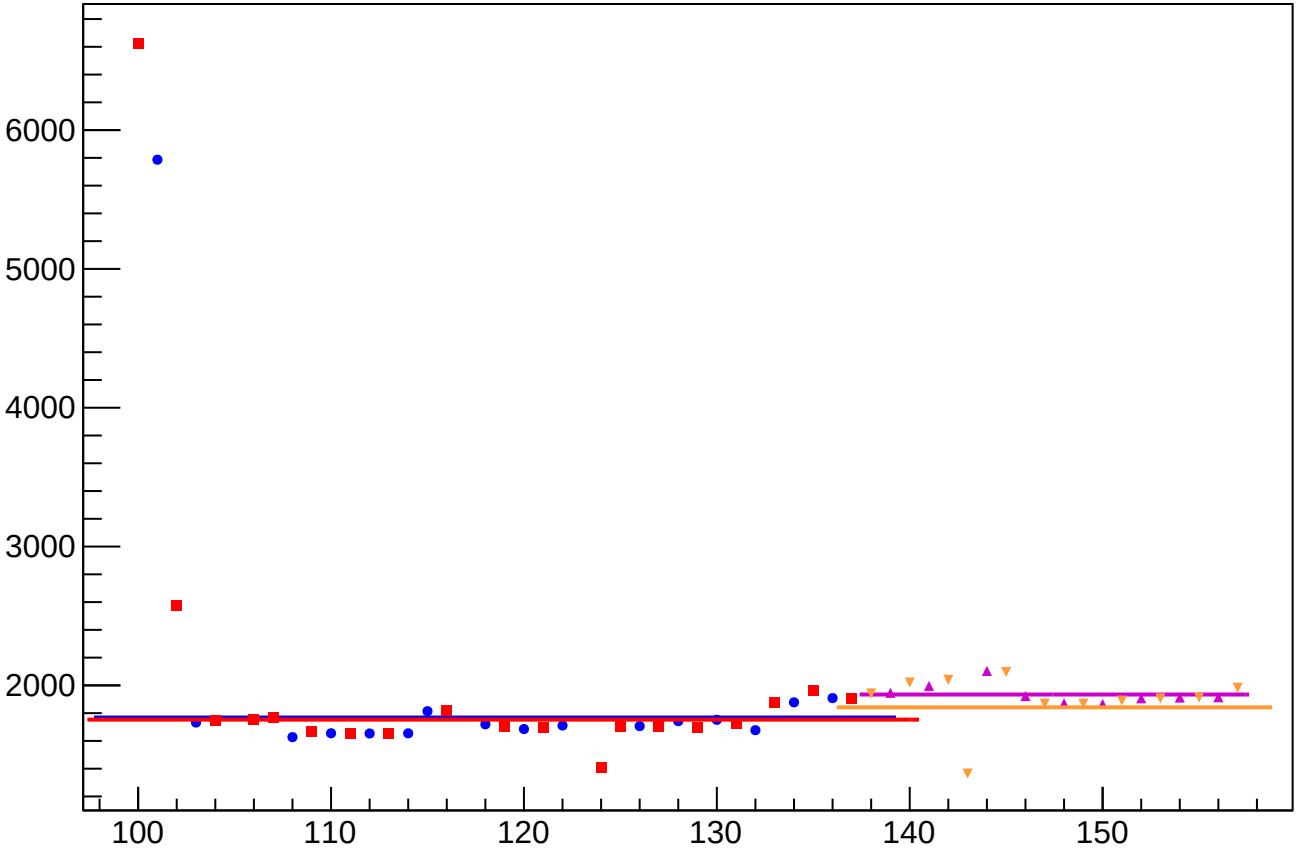
Left In: -3222.786+/-691.188 χ^2/NDF:14.8/8

+ sign 1640.014+/-460.158 χ^2/NDF: 33.5/26

All: -509.591+/-330.993 χ^2/NDF: 111.7/54

- sign -2814.164+/-476.457 χ^2/NDF: 33.0/27

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.971+/-0.445 χ^2/NDF:263849.8/10

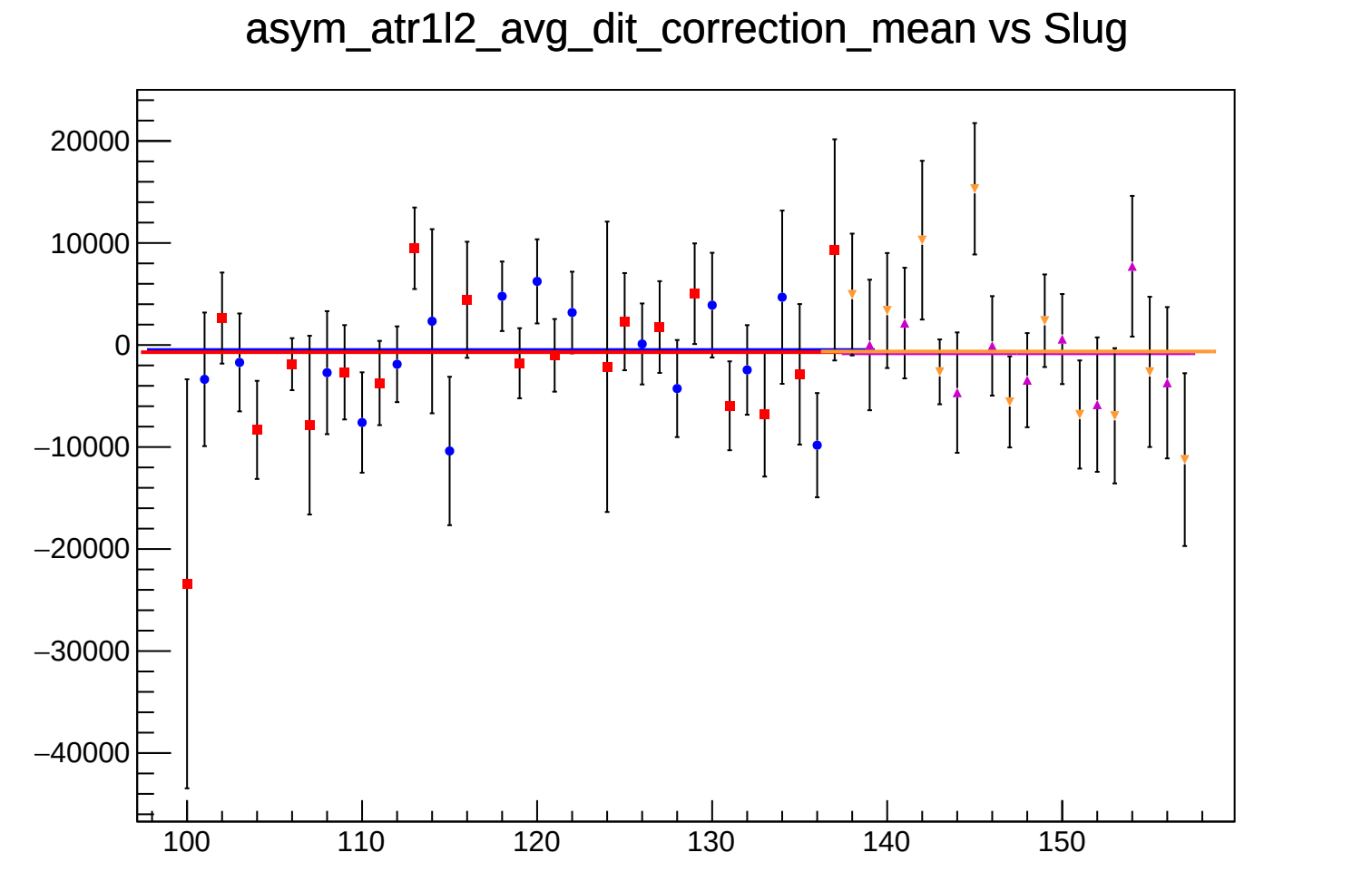
Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1934.245+/-0.489 χ^2/NDF:18560.4/8

+ sign 1807.724+/-0.325 χ^2/NDF: 943911.6/26

All: 1822.881+/-0.234 χ^2/NDF: 1257877.0/54

- sign 1839.084+/-0.336 χ^2/NDF: 309476.2/27



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -634.541+/-1603.818 χ^2/NDF:15.4/10

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

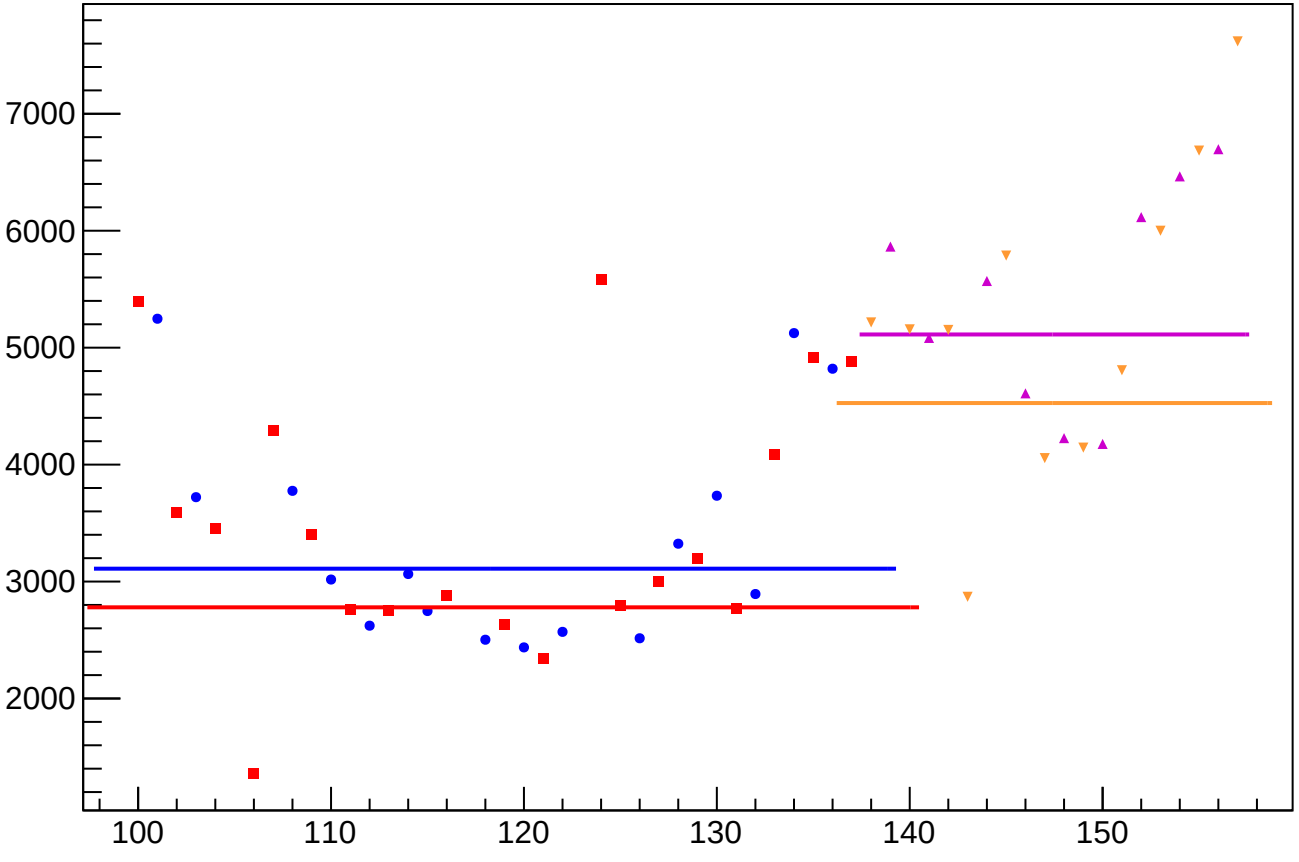
Left In: -813.114+/-1857.789 χ^2/NDF:3.5/8

+ sign -540.577+/-960.055 χ^2/NDF: 31.2/26

All: -638.957+/-666.816 χ^2/NDF: 53.5/54

- sign -730.651+/-926.861 χ^2/NDF: 22.3/27

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4526.474+/-1.134 χ^2/NDF:1264784.5/10

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

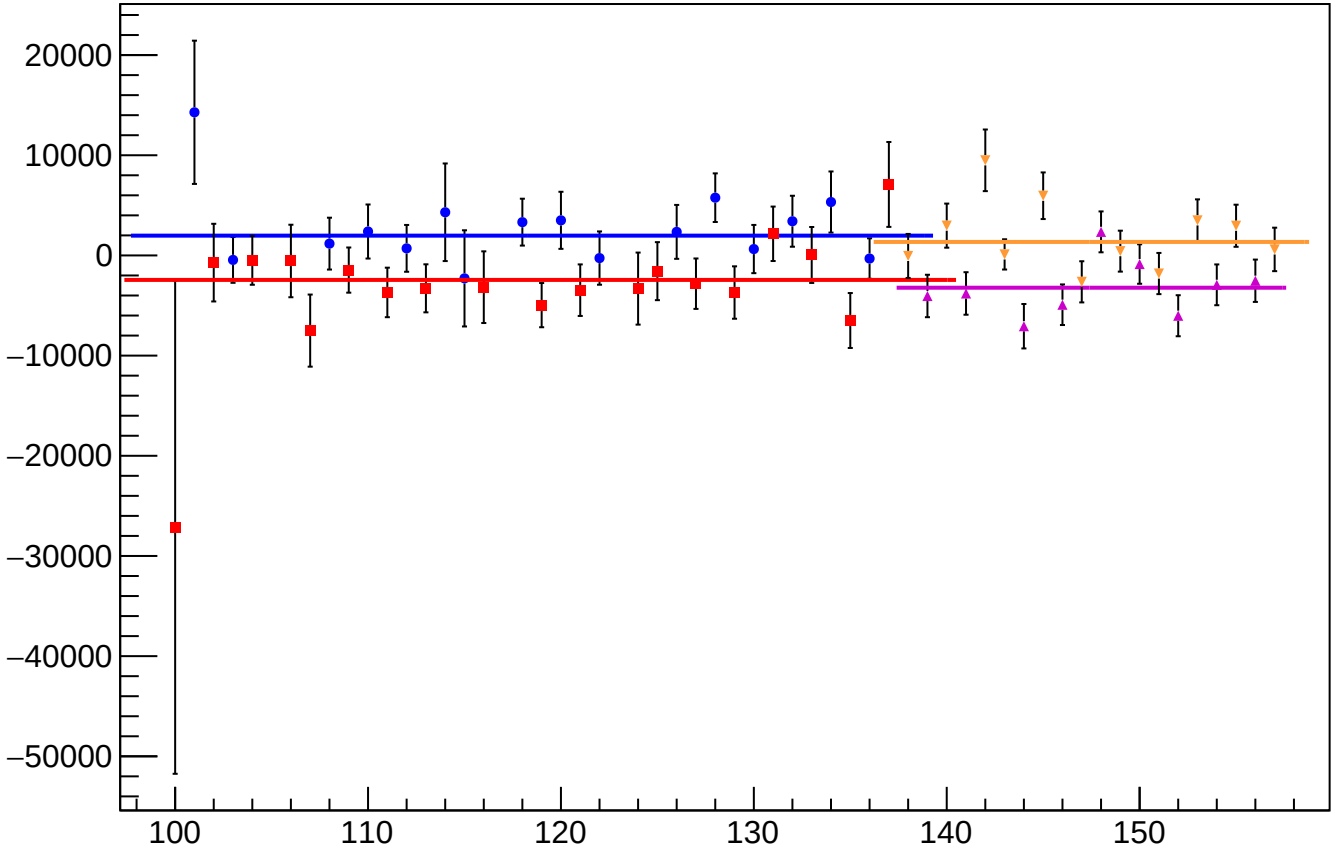
Left In: 5112.910+/-1.314 χ^2/NDF:439207.7/8

+ sign 3617.649+/-0.679 χ^2/NDF: 3148894.9/26

All: 3484.500+/-0.472 χ^2/NDF: 7380114.9/54

- sign 3360.399+/-0.655 χ^2/NDF: 4156895.3/27

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1346.987+/-629.703 χ^2/NDF:20.7/10

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

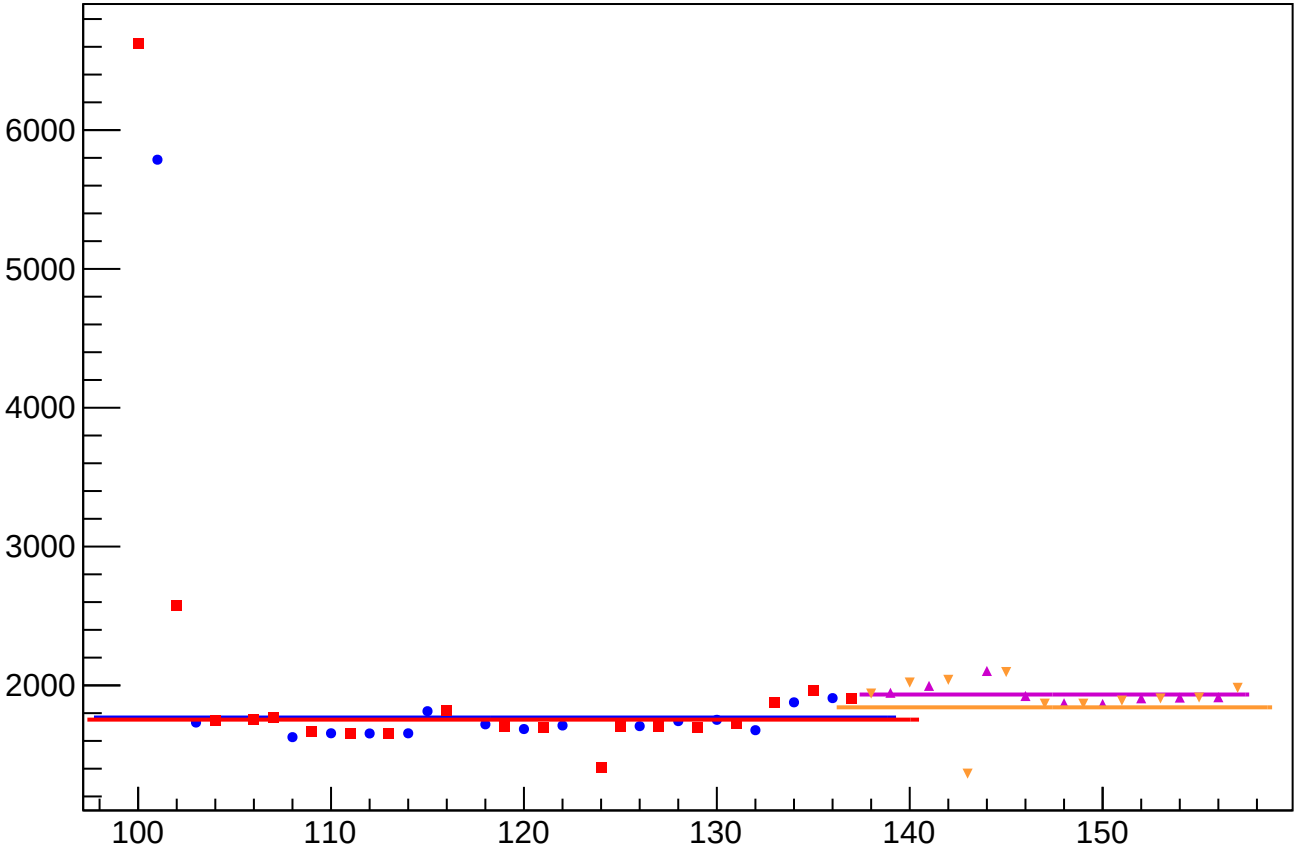
Left In: -3222.786+/-691.189 χ^2/NDF:14.8/8

+ sign 1640.015+/-460.158 χ^2/NDF: 33.5/26

All: -509.590+/-330.993 χ^2/NDF: 111.7/54

- sign -2814.164+/-476.457 χ^2/NDF: 33.0/27

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1841.972+/-0.445 χ^2/NDF:263851.1/10

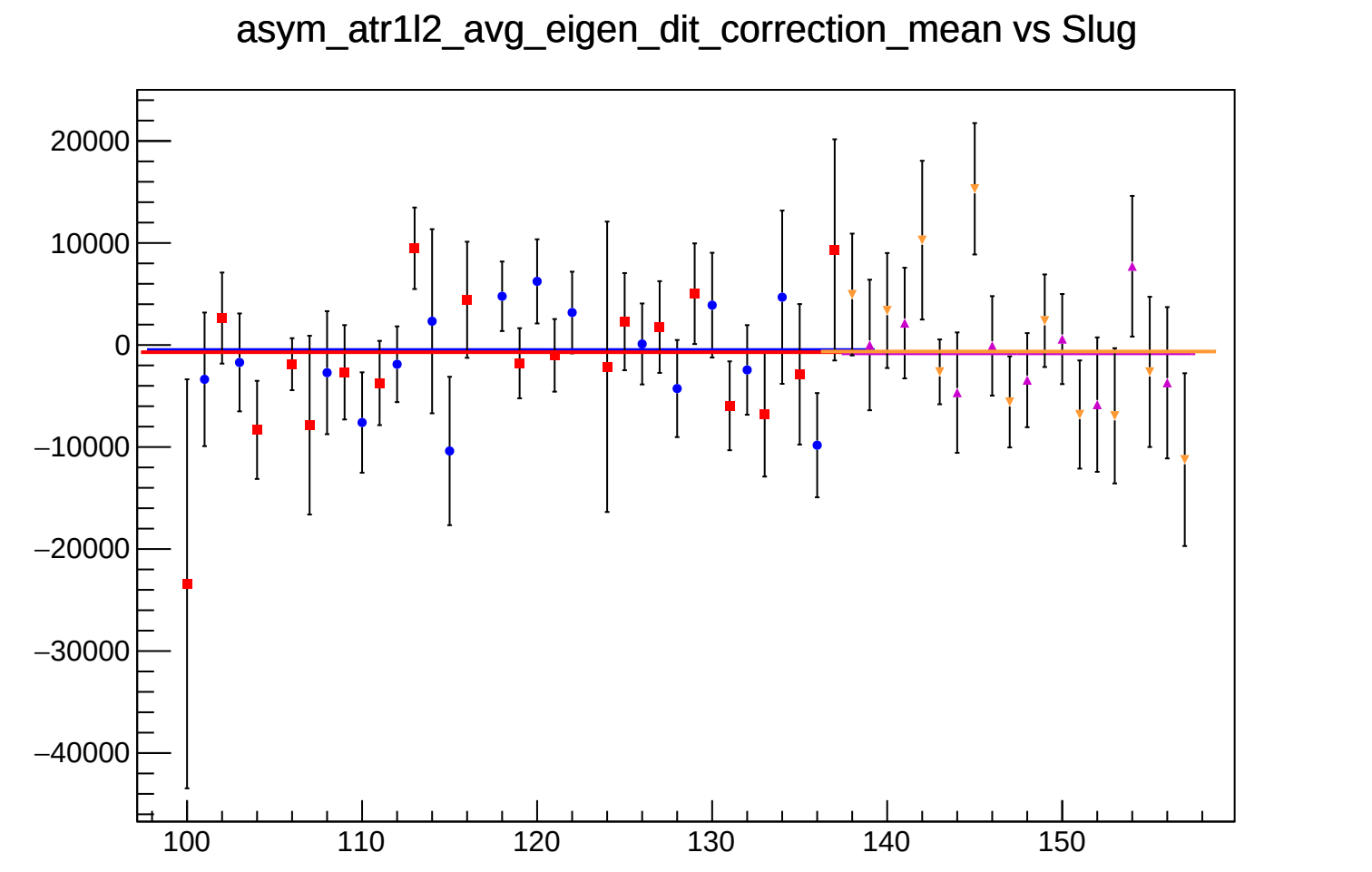
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1934.246+/-0.489 χ^2/NDF:18560.7/8

+ sign 1807.725+/-0.325 χ^2/NDF: 943913.2/26

All: 1822.881+/-0.234 χ^2/NDF: 1257879.8/54

- sign 1839.084+/-0.336 χ^2/NDF: 309477.4/27



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -634.547+/-1603.819 χ^2/NDF:15.4/10

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

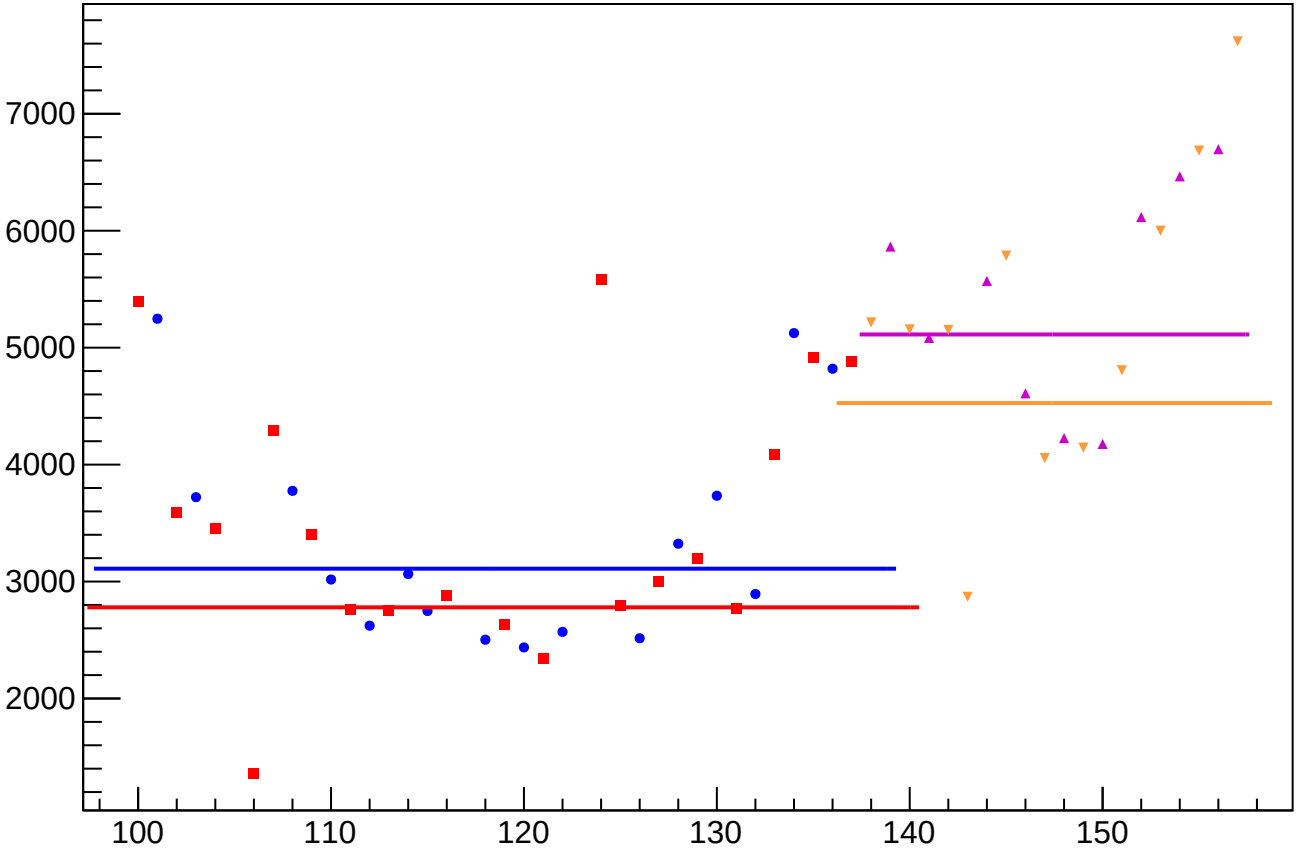
Left In: -813.115+/-1857.791 χ^2/NDF:3.5/8

+ sign -540.575+/-960.053 χ^2/NDF: 31.2/26

All: -638.956+/-666.814 χ^2/NDF: 53.5/54

- sign -730.652+/-926.858 χ^2/NDF: 22.3/27

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4526.477+/-1.134 χ^2/NDF:1264790.8/10

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

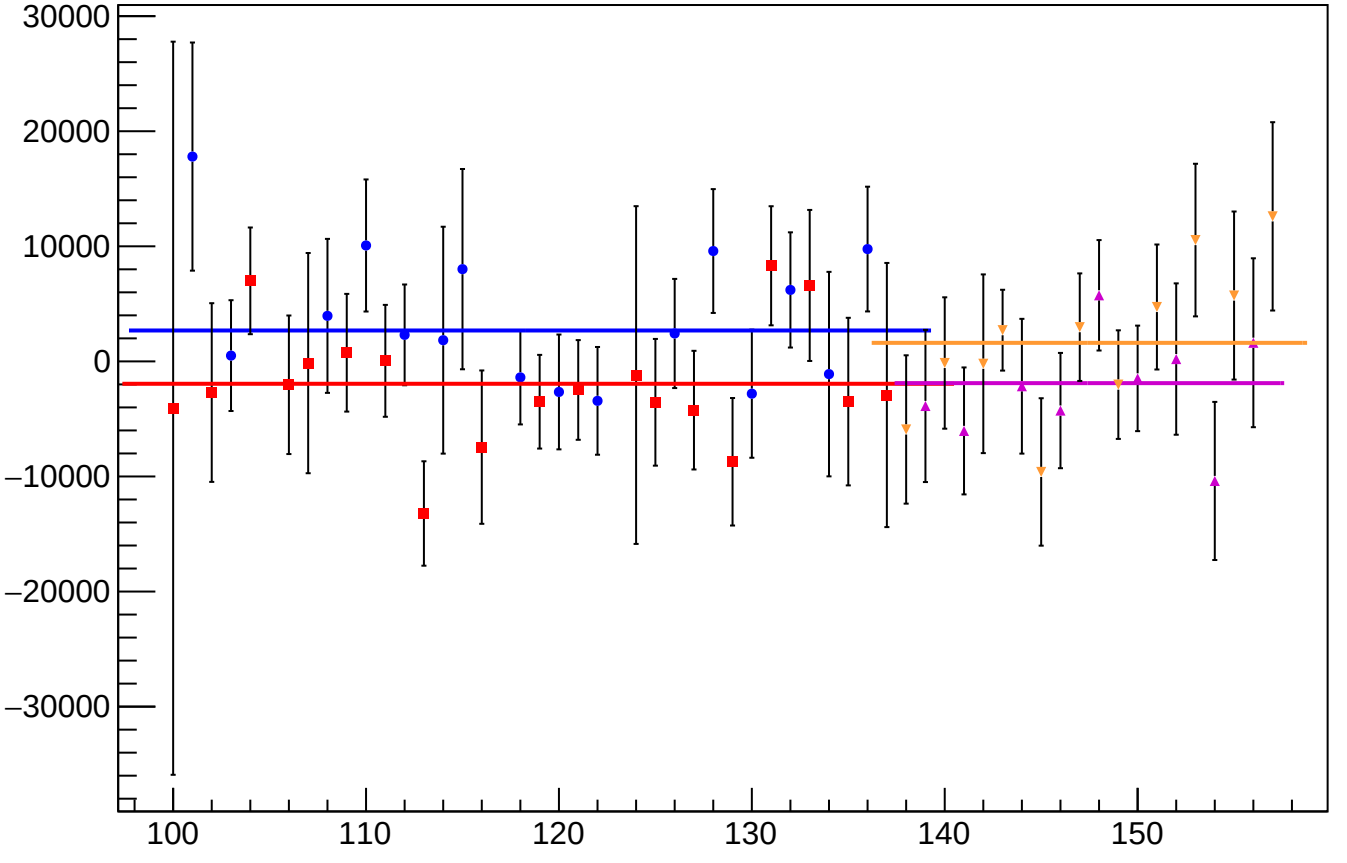
Left In: 5112.916+/-1.314 χ^2/NDF:439211.1/8

+ sign 3617.641+/-0.679 χ^2/NDF: 3148932.7/26

All: 3484.489+/-0.472 χ^2/NDF: 7380215.2/54

- sign 3360.386+/-0.655 χ^2/NDF: 4156955.2/27

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1611.301+/-1671.642 χ^2/NDF:9.6/10

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

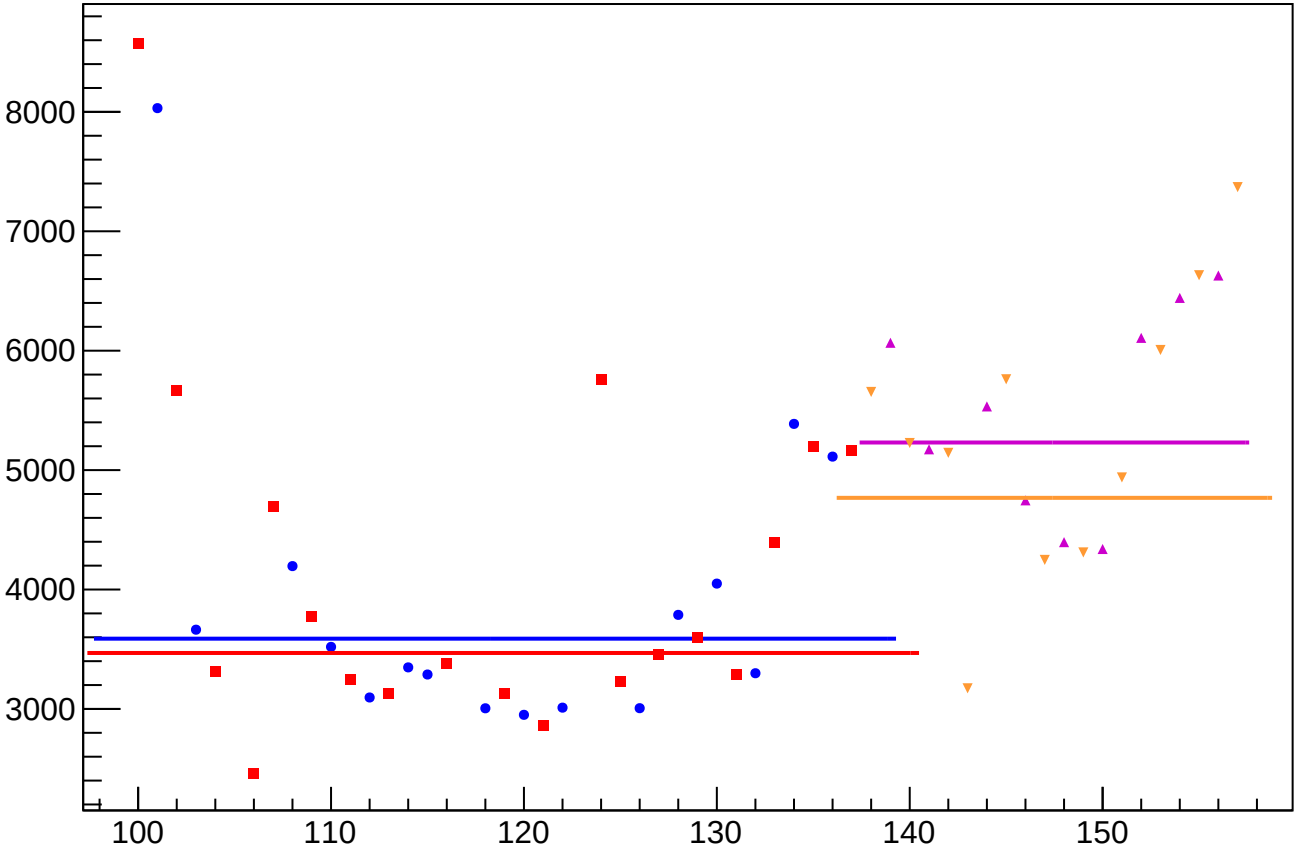
Left In: -1890.102+/-1894.443 χ^2/NDF:5.3/8

+ sign 2250.116+/-1064.173 χ^2/NDF: 23.3/26

All: 211.807+/-761.506 χ^2/NDF: 54.8/54

- sign -1927.279+/-1090.163 χ^2/NDF: 24.0/27

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4767.785+/-1.182 χ^2/NDF:963977.1/10

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

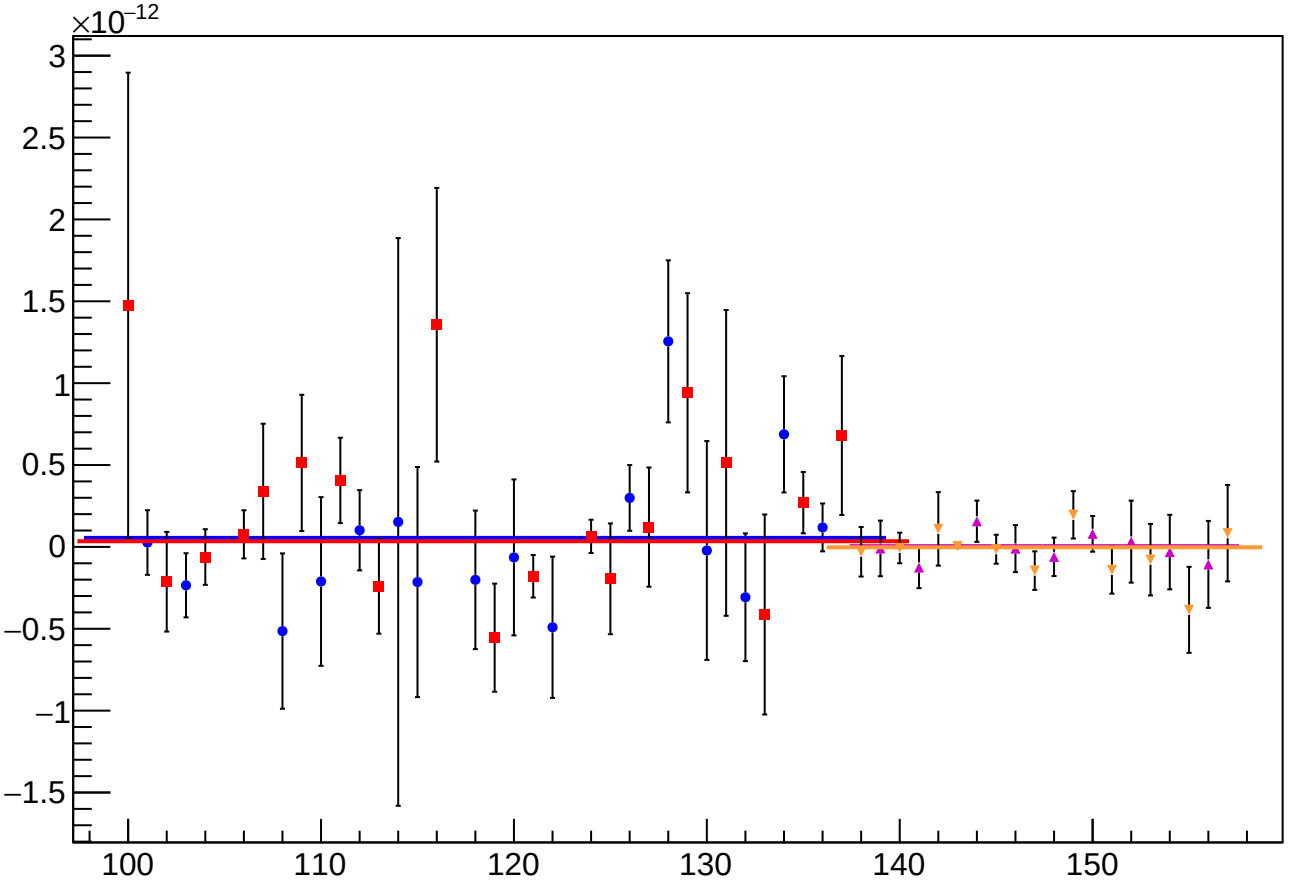
Left In: 5231.151+/-1.340 χ^2/NDF:362561.3/8

+ sign 4066.379+/-0.752 χ^2/NDF: 2401244.3/26

All: 4053.565+/-0.536 χ^2/NDF: 4600505.8/54

- sign 4040.392+/-0.763 χ^2/NDF: 2198673.5/27

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

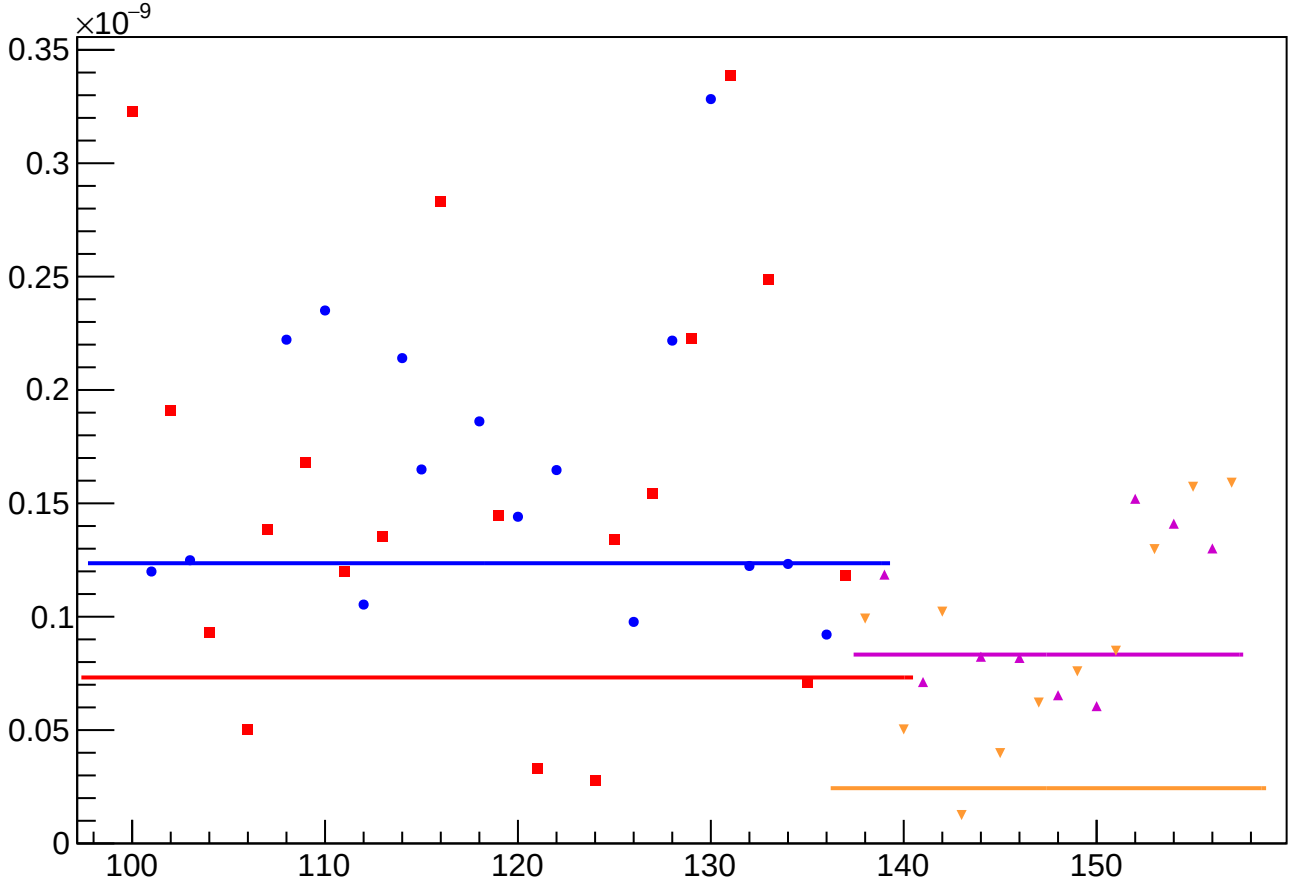
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 25.3/26

All: 0.000+/-0.000 χ^2/NDF: 51.4/54

- sign 0.000+/-0.000 χ^2/NDF: 26.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3707364.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

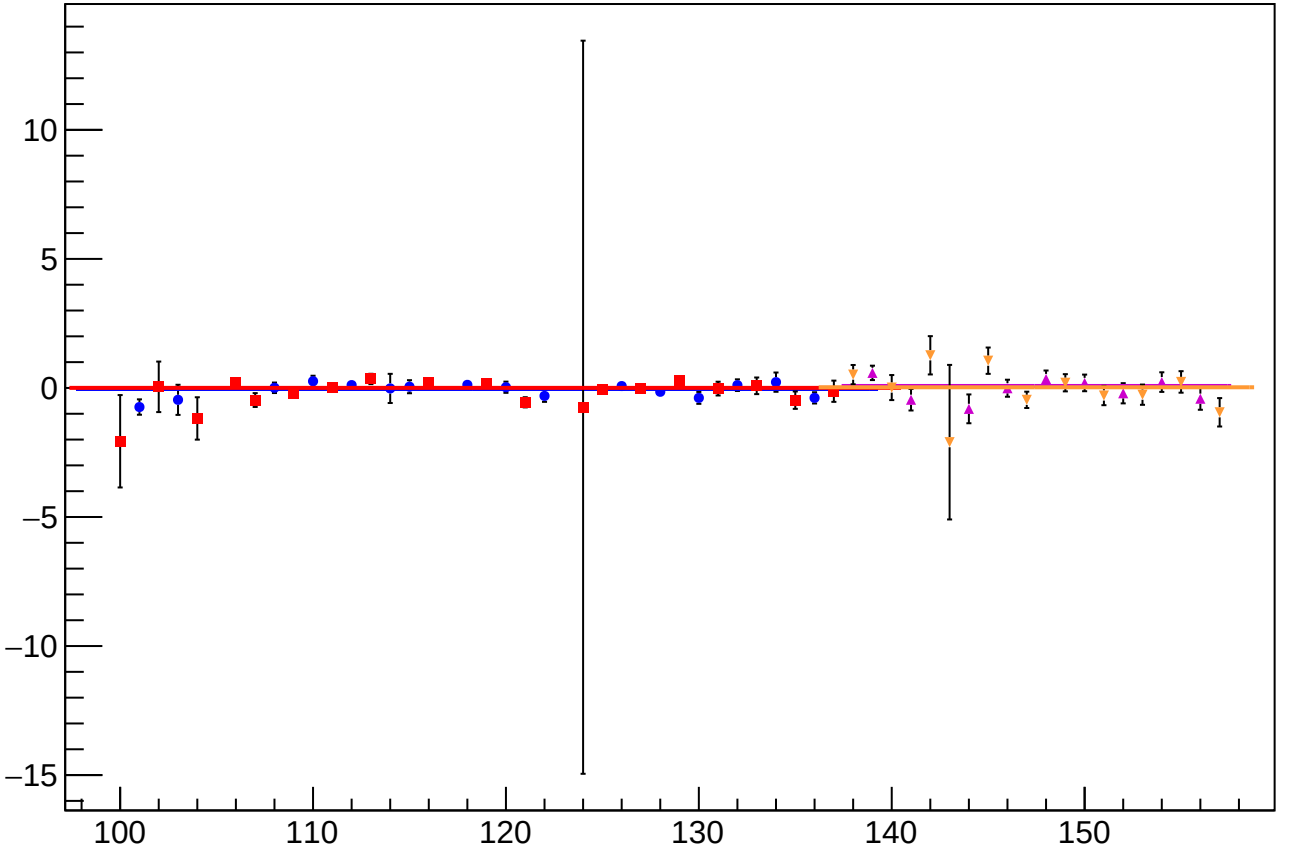
Left In: 0.000+/-0.000 χ^2/NDF:579709.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 7793323.2/26

All: 0.000+/-0.000 χ^2/NDF: 13284441.4/54

- sign 0.000+/-0.000 χ^2/NDF: 2807412.4/27

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

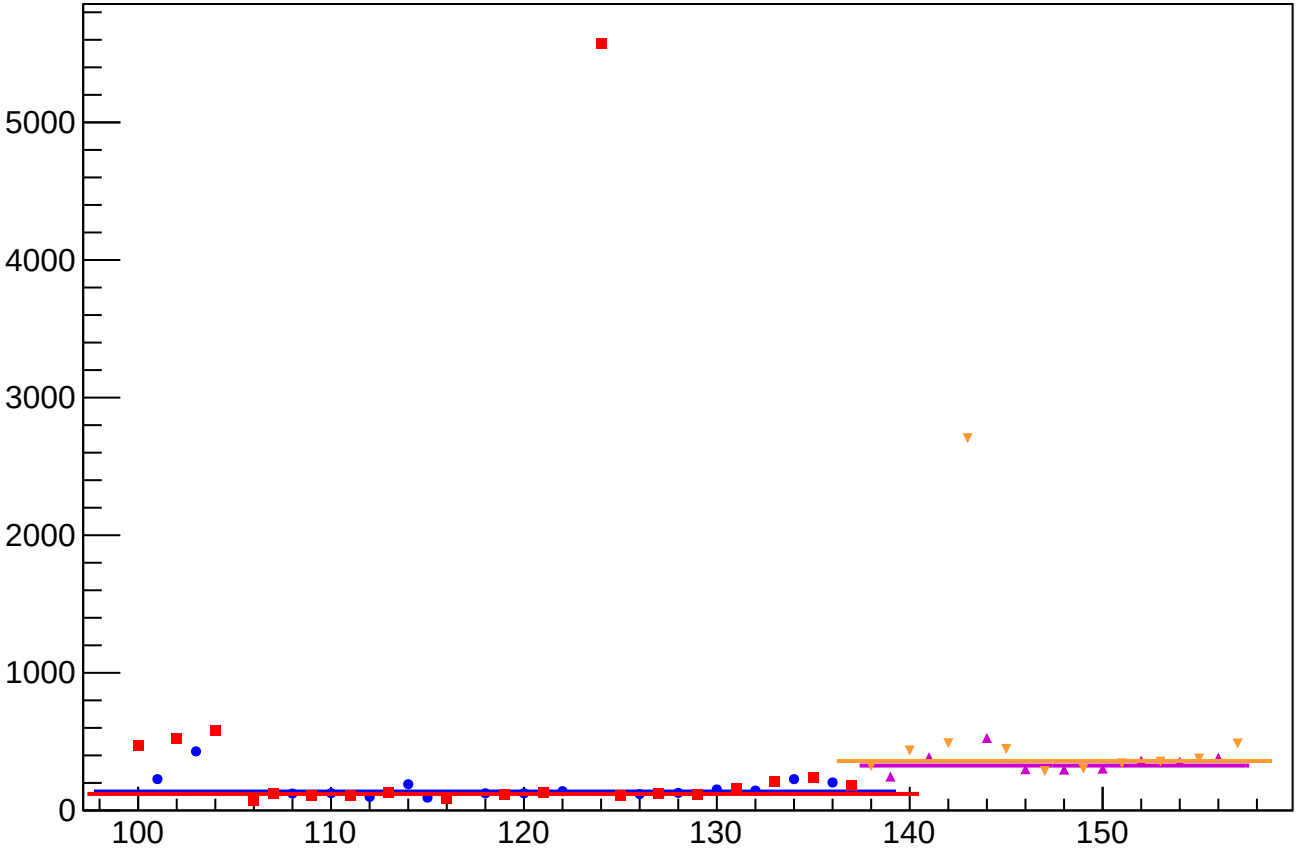
Left In: 0.077+/-0.121 χ^2/NDF:10.4/8

+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.006+/-0.035 χ^2/NDF: 74.3/54

- sign 0.014+/-0.047 χ^2/NDF: 39.4/27

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

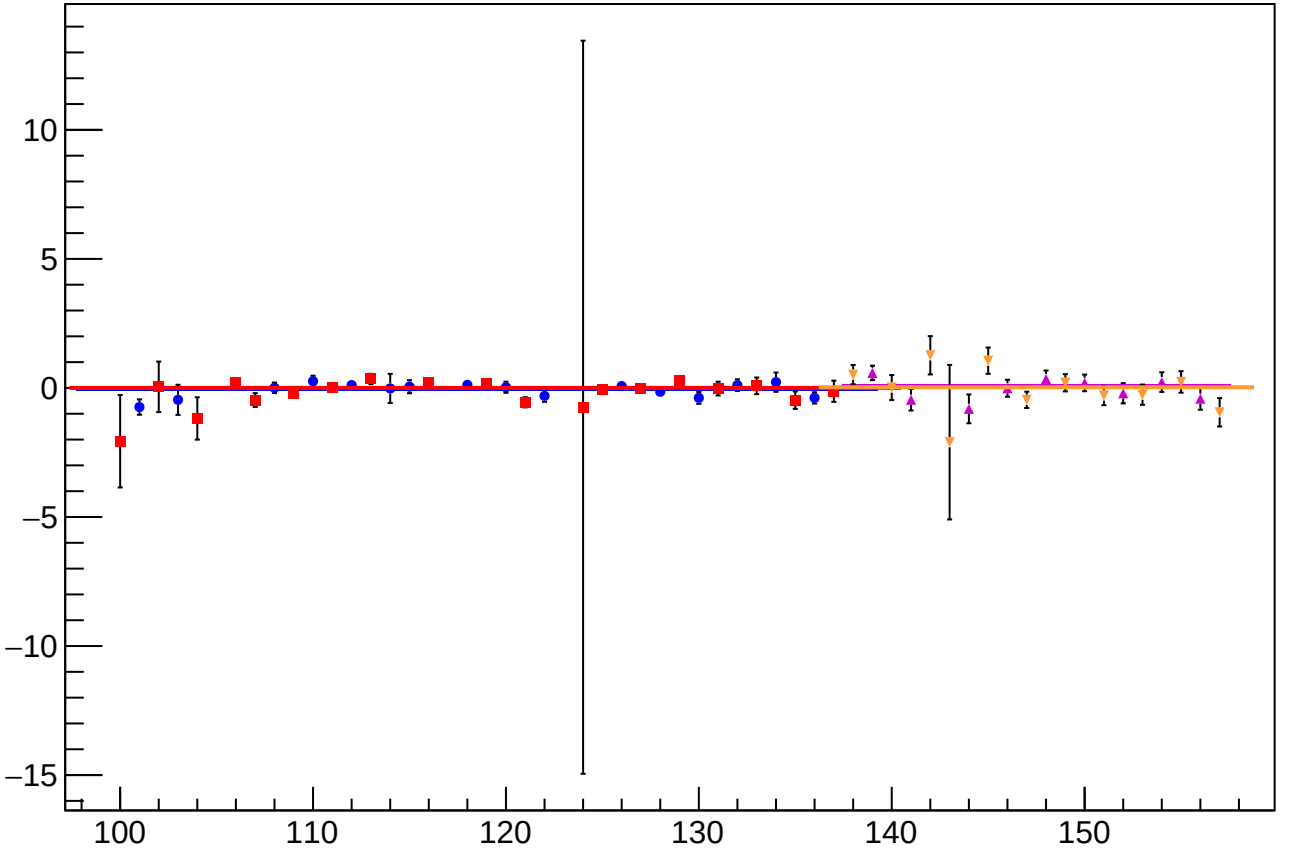
Left In: 326.093+/-0.085 χ^2/NDF:571167.0/8

+ sign 171.840+/-0.036 χ^2/NDF: 7871334.6/26

All: 160.617+/-0.024 χ^2/NDF: 15721401.9/54

- sign 151.236+/-0.033 χ^2/NDF: 7674394.0/27

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

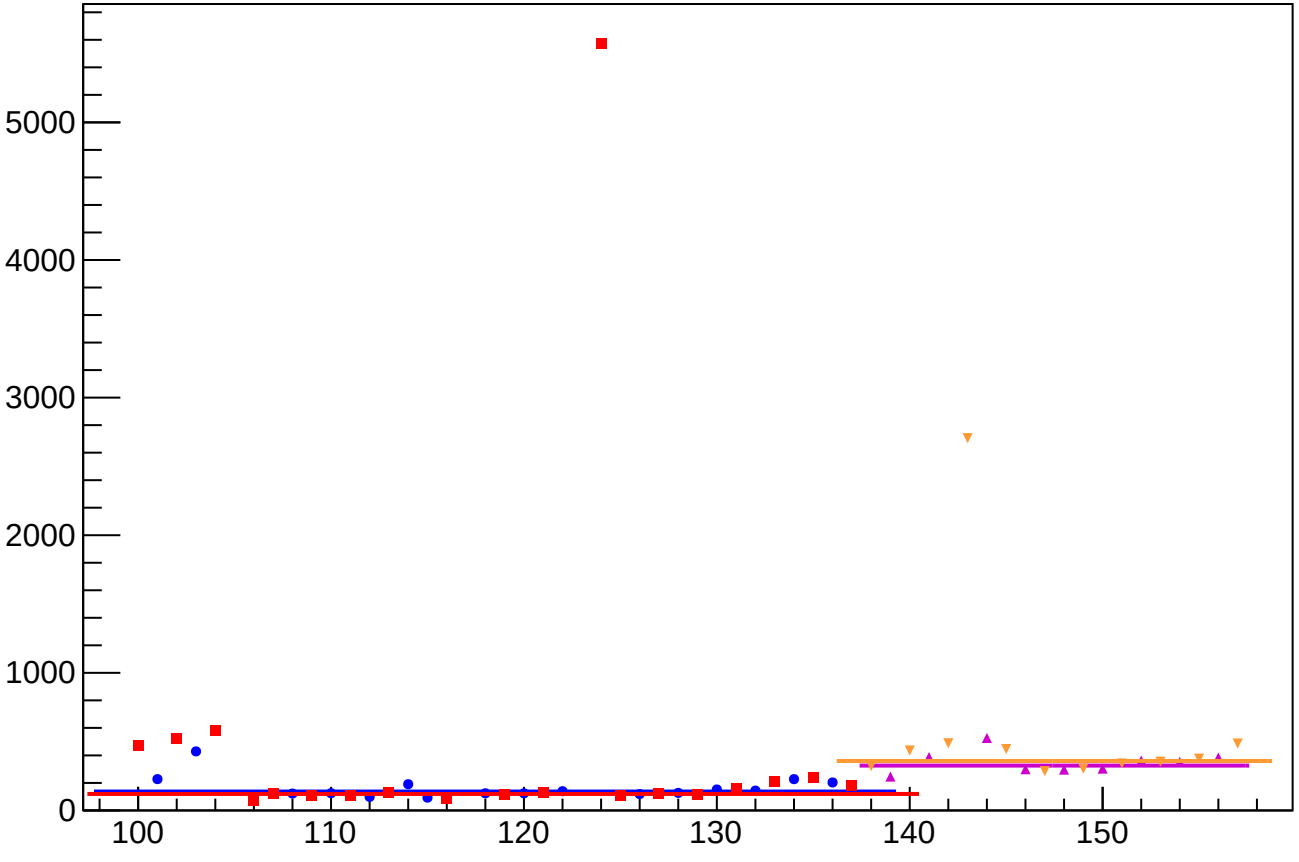
Left In: 0.077+/-0.121 χ^2/NDF:10.4/8

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.006+/-0.035 χ^2/NDF: 74.3/54

\- sign 0.014+/-0.047 χ^2/NDF: 39.4/27

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 359.479+/-0.092 χ^2/NDF:1693747.6/10

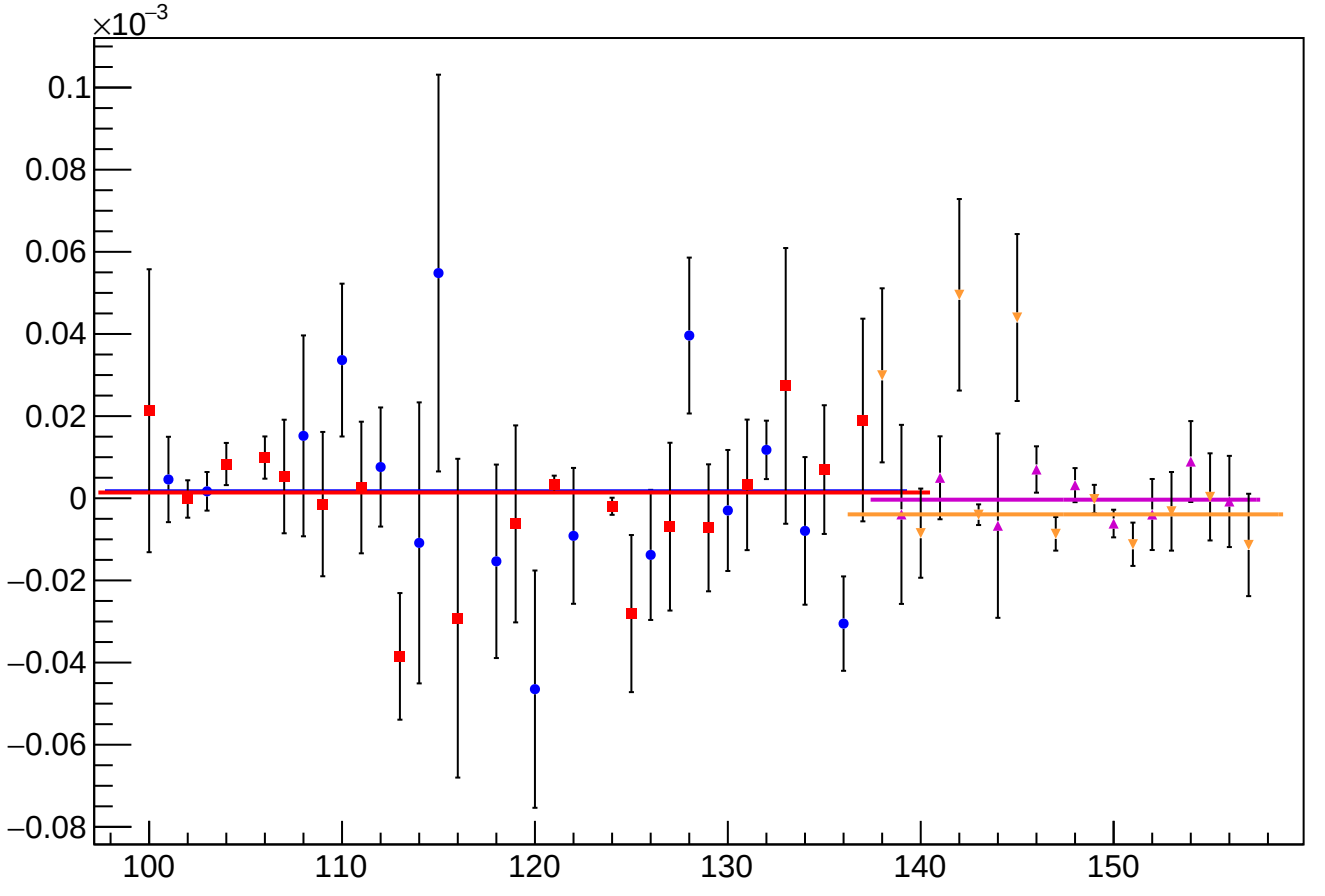
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 326.093+/-0.085 χ^2/NDF:571167.0/8

+ sign 171.840+/-0.036 χ^2/NDF: 7871334.6/26

All: 160.617+/-0.024 χ^2/NDF: 15721401.9/54

- sign 151.236+/-0.033 χ^2/NDF: 7674394.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

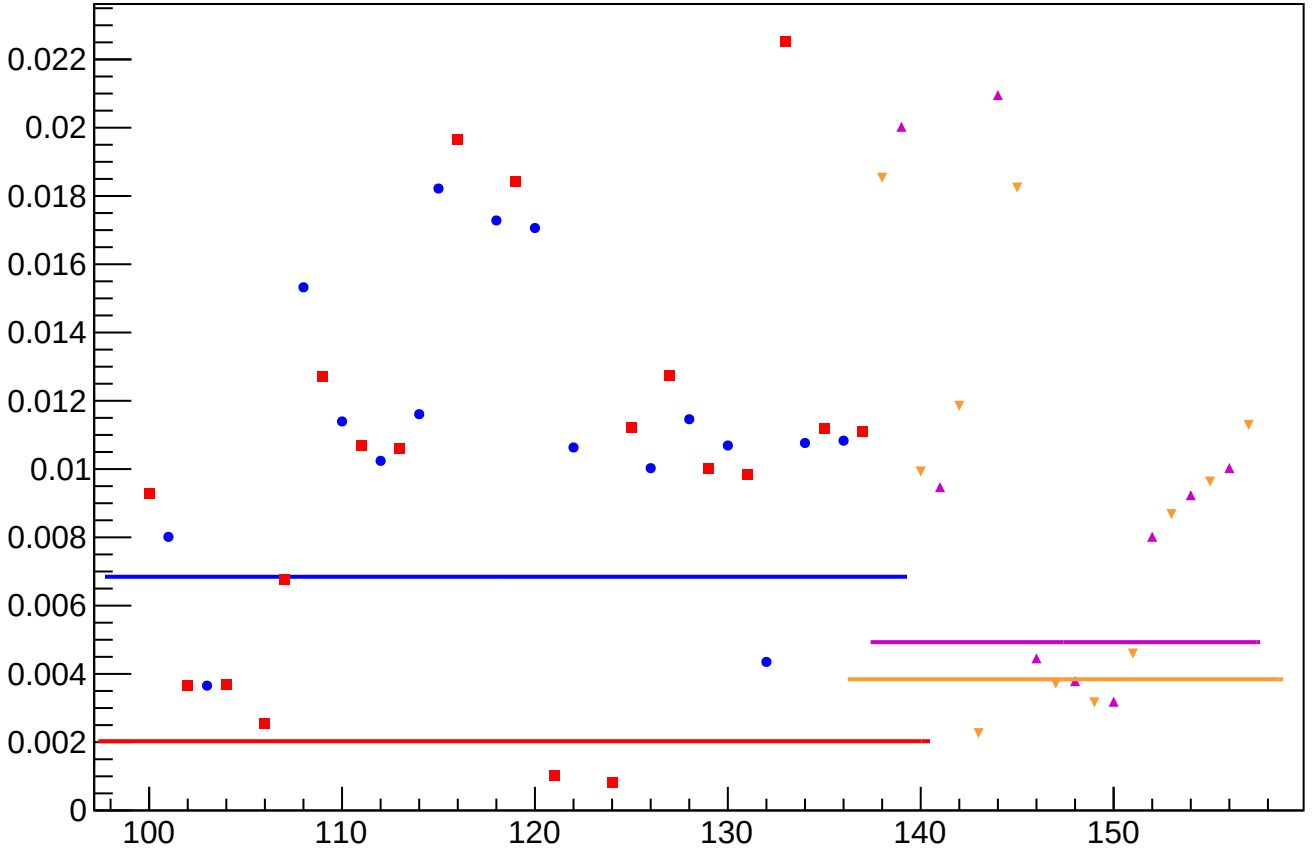
Left In: -0.000+/-0.000 χ^2/NDF:6.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/26

All: -0.000+/-0.000 χ^2/NDF: 76.6/54

- sign 0.000+/-0.000 χ^2/NDF: 27.6/27

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:5557805.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

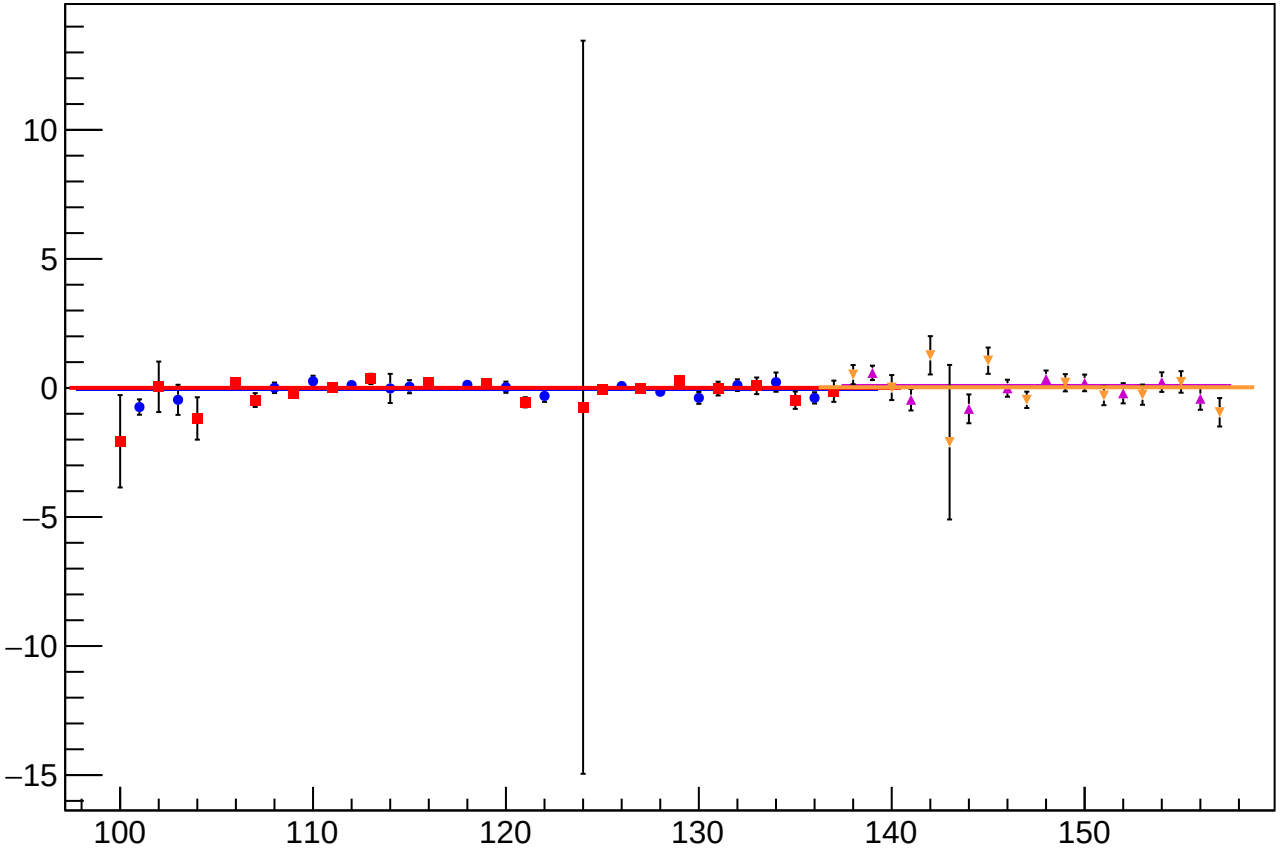
Left In: 0.005+/-0.000 χ^2/NDF:4147283.0/8

+ sign 0.005+/-0.000 χ^2/NDF: 10363111.0/26

All: 0.003+/-0.000 χ^2/NDF: 28215998.9/54

- sign 0.003+/-0.000 χ^2/NDF: 15936919.8/27

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

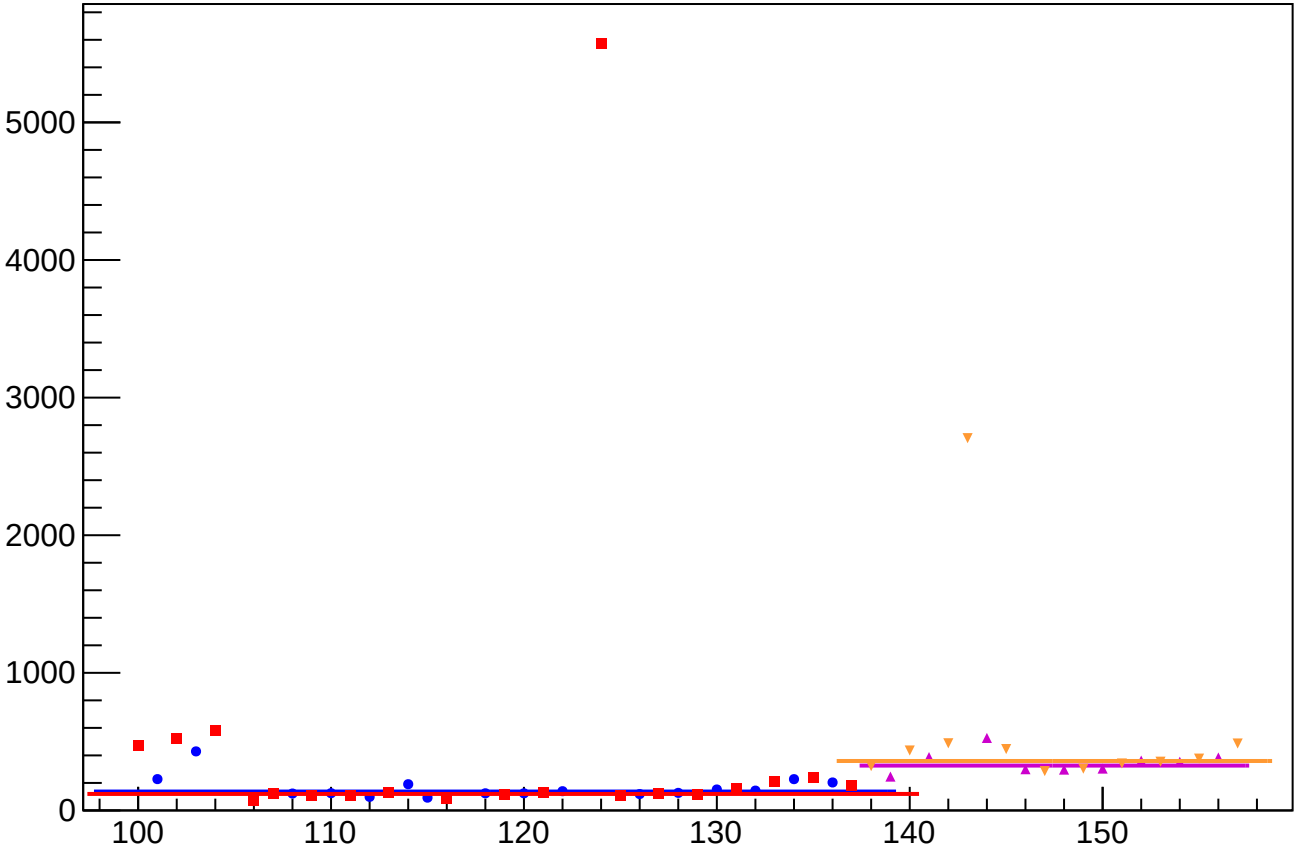
Left In: 0.077+/-0.121 χ^2/NDF:10.4/8

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.006+/-0.035 χ^2/NDF: 74.3/54

\- sign 0.014+/-0.047 χ^2/NDF: 39.4/27

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

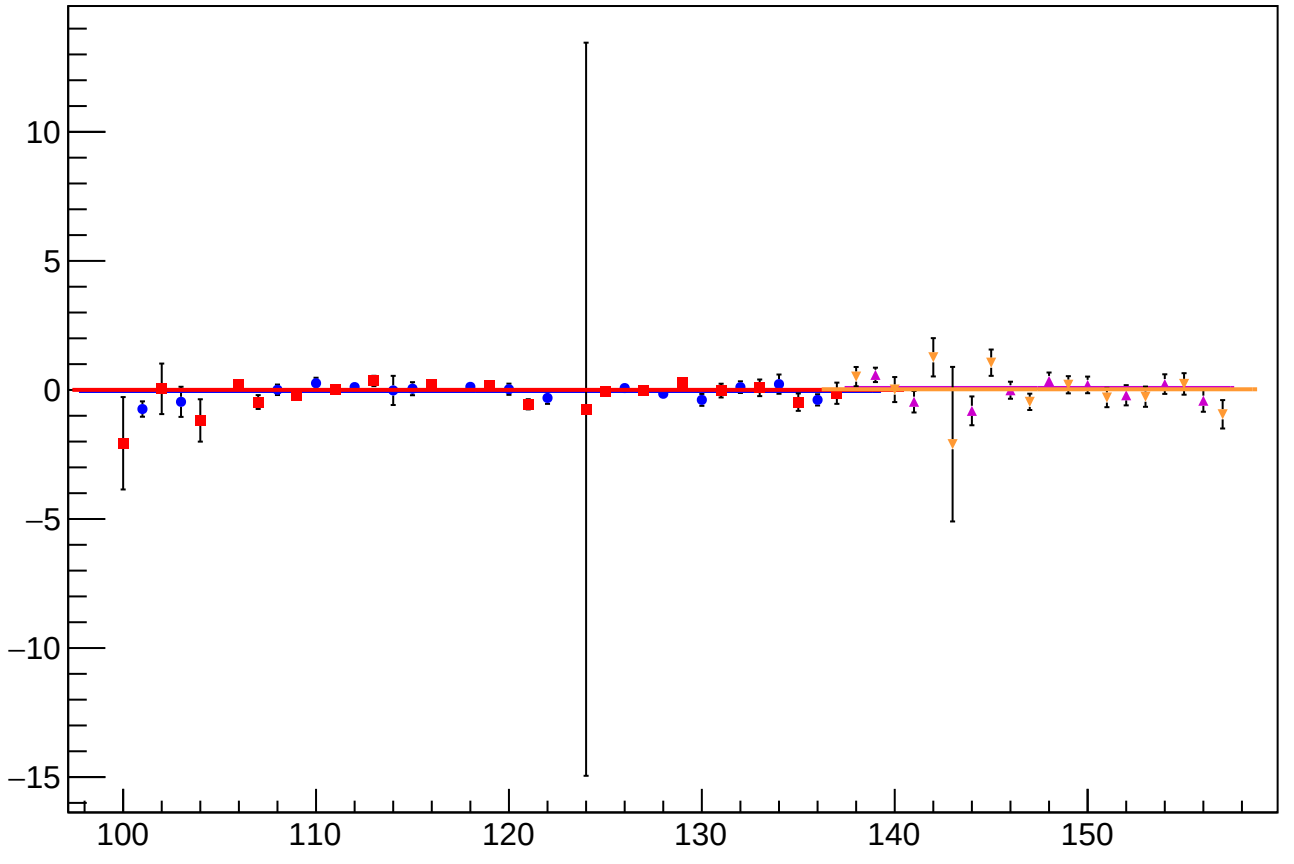
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 326.097+/-0.085 χ^2/NDF:571162.1/8

+ sign 171.841+/-0.036 χ^2/NDF: 7871328.6/26

All: 160.617+/-0.024 χ^2/NDF: 15721438.0/54

- sign 151.236+/-0.033 χ^2/NDF: 7674418.3/27



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.026+/-0.130 χ^2/NDF:16.4/10

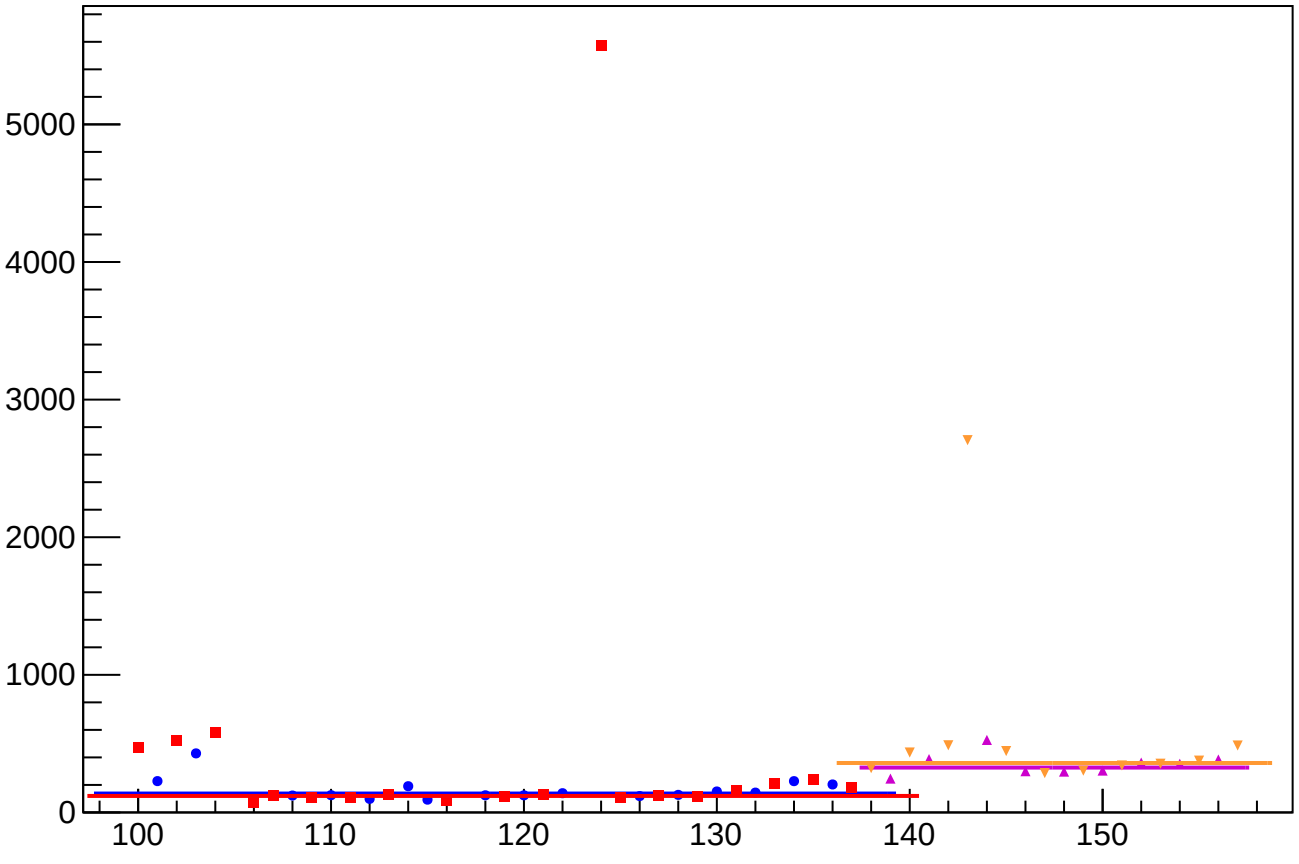
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.077+/-0.121 χ^2/NDF:10.4/8

\+ sign -0.029+/-0.051 χ^2/NDF: 34.5/26

All: -0.006+/-0.035 χ^2/NDF: 74.3/54

\- sign 0.014+/-0.047 χ^2/NDF: 39.4/27



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 359.482+/-0.092 χ^2/NDF:1693786.8/10

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

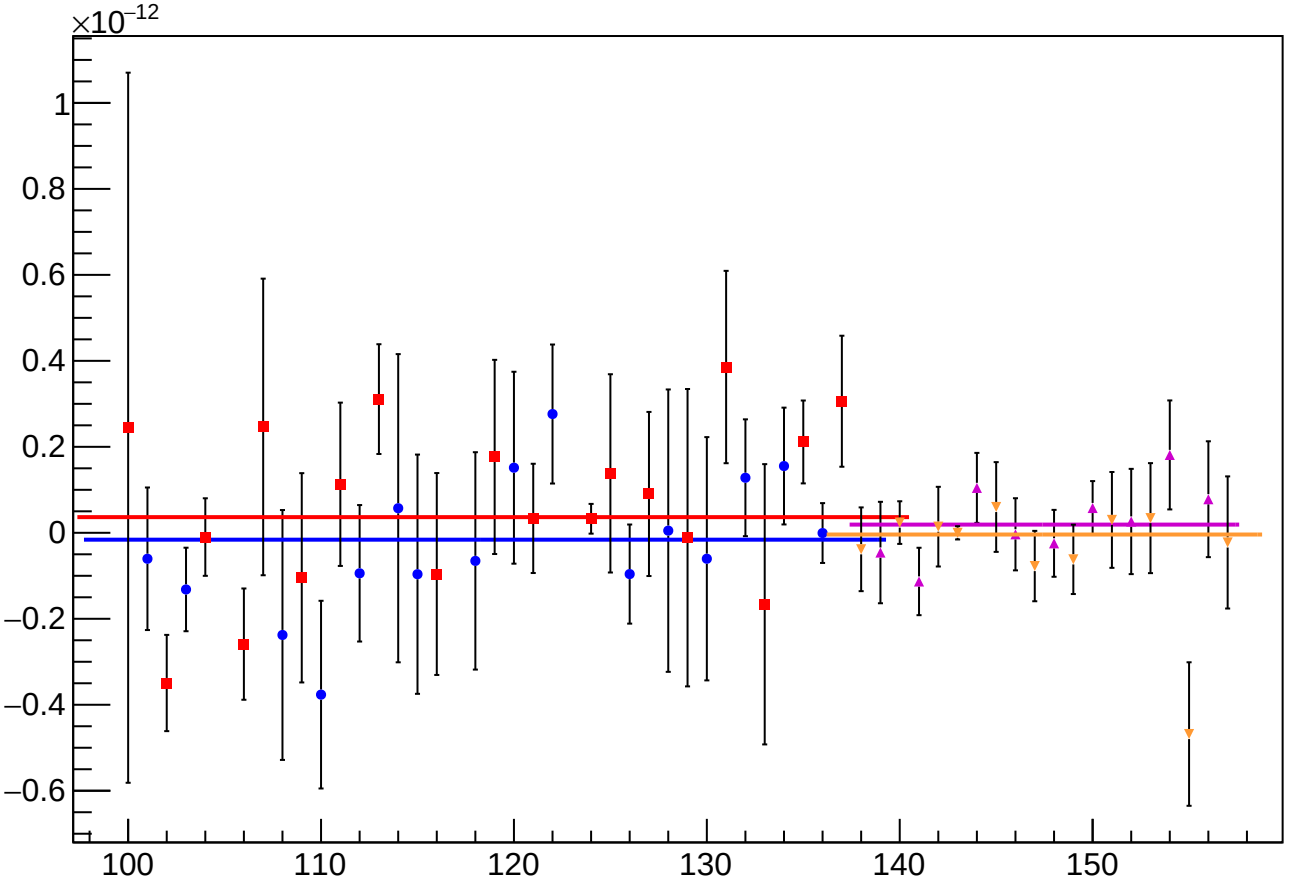
Left In: 326.097+/-0.085 χ^2/NDF:571162.1/8

+ sign 171.841+/-0.036 χ^2/NDF: 7871328.6/26

All: 160.617+/-0.024 χ^2/NDF: 15721438.0/54

- sign 151.236+/-0.033 χ^2/NDF: 7674418.3/27

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/10

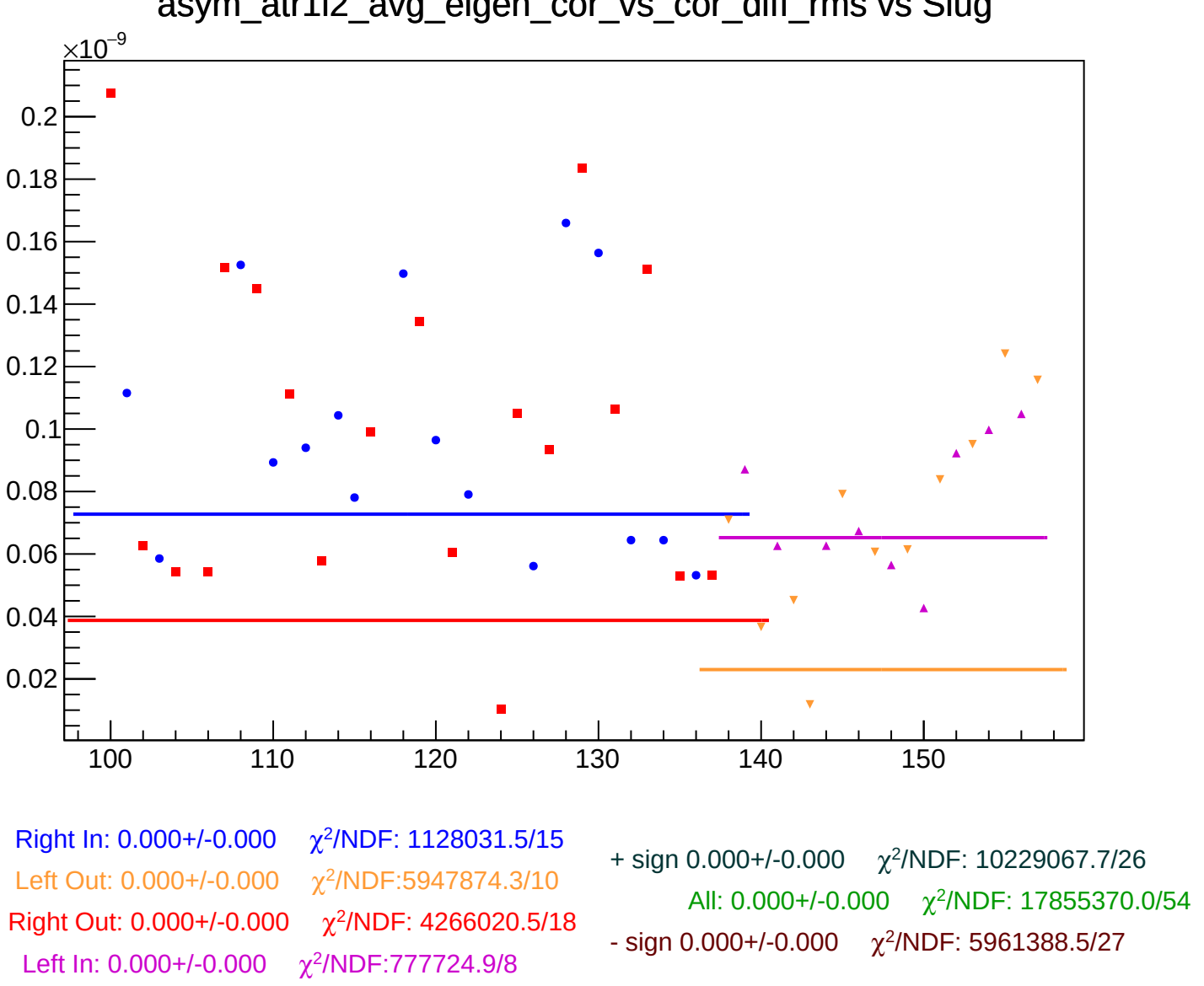
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/8

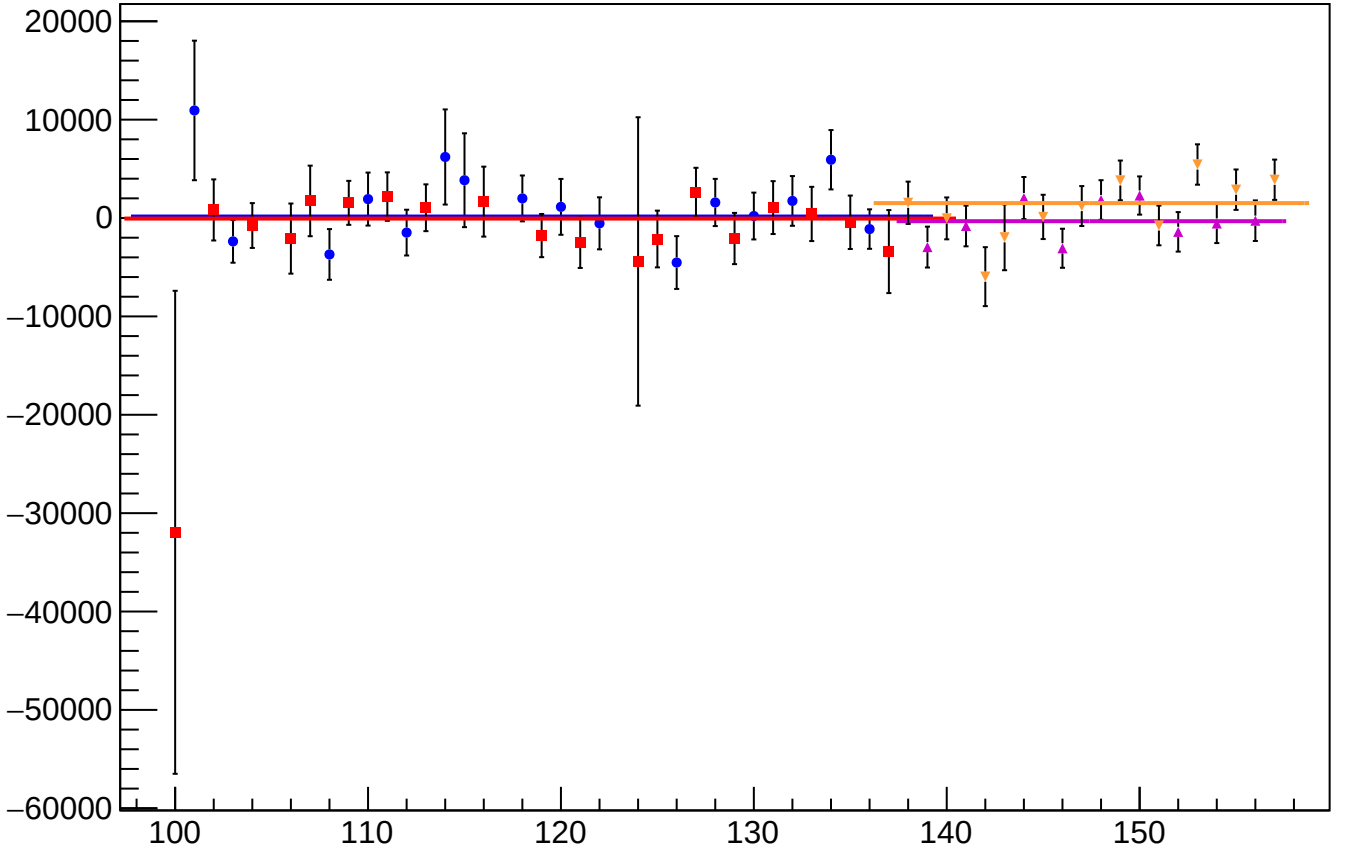
+ sign -0.000+/-0.000 χ^2/NDF: 22.6/26

All: 0.000+/-0.000 χ^2/NDF: 65.0/54

- sign 0.000+/-0.000 χ^2/NDF: 40.2/27


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5947874.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:777724.9/8
+ sign 0.000+/-0.000 χ²/NDF: 10229067.7/26
All: 0.000+/-0.000 χ²/NDF: 17855370.0/54
- sign 0.000+/-0.000 χ²/NDF: 5961388.5/27

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1518.211+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

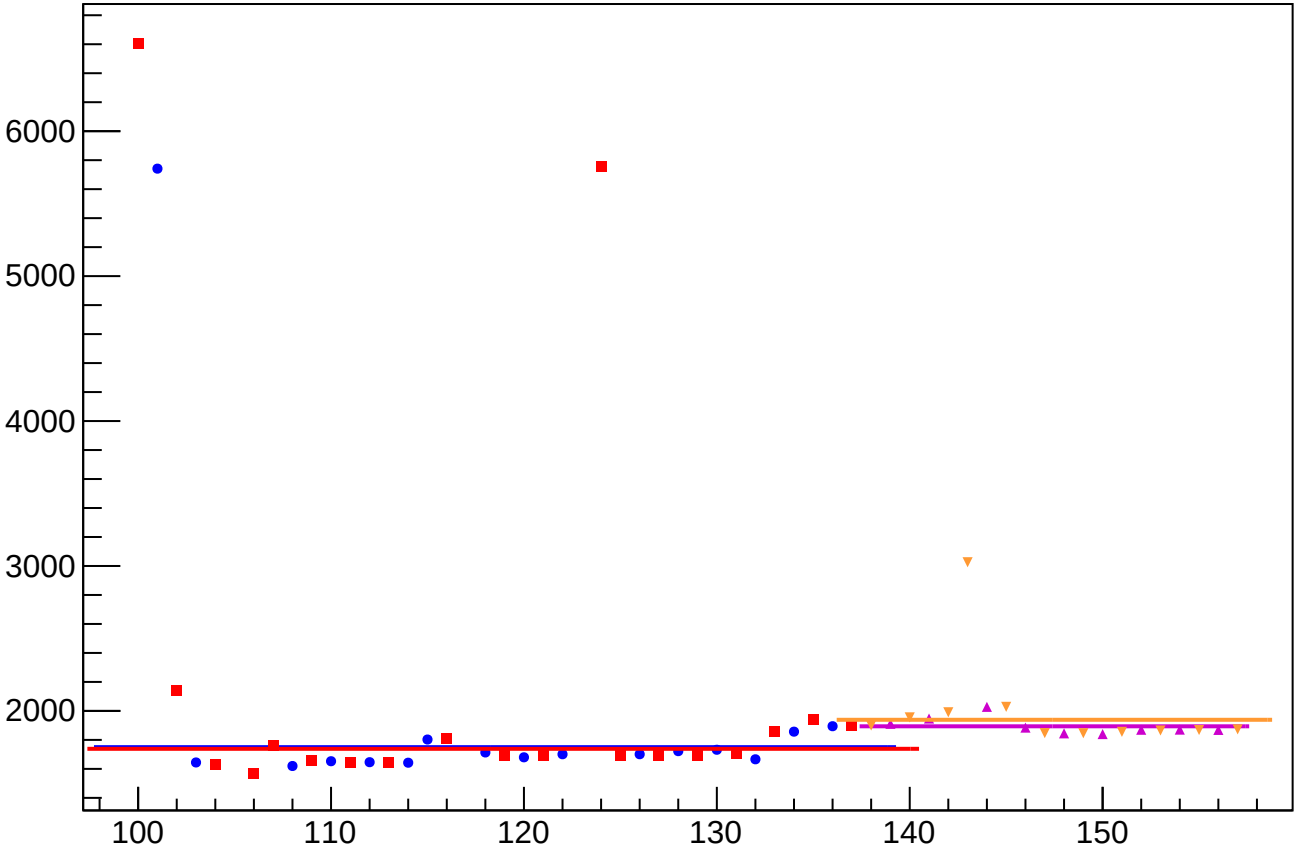
Left In: -320.312+/-676.572 χ^2/NDF:8.1/8

+ sign 839.558+/-469.901 χ^2/NDF: 36.0/26

All: 329.167+/-332.551 χ^2/NDF: 55.5/54

- sign -182.952+/-470.695 χ^2/NDF: 17.1/27

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

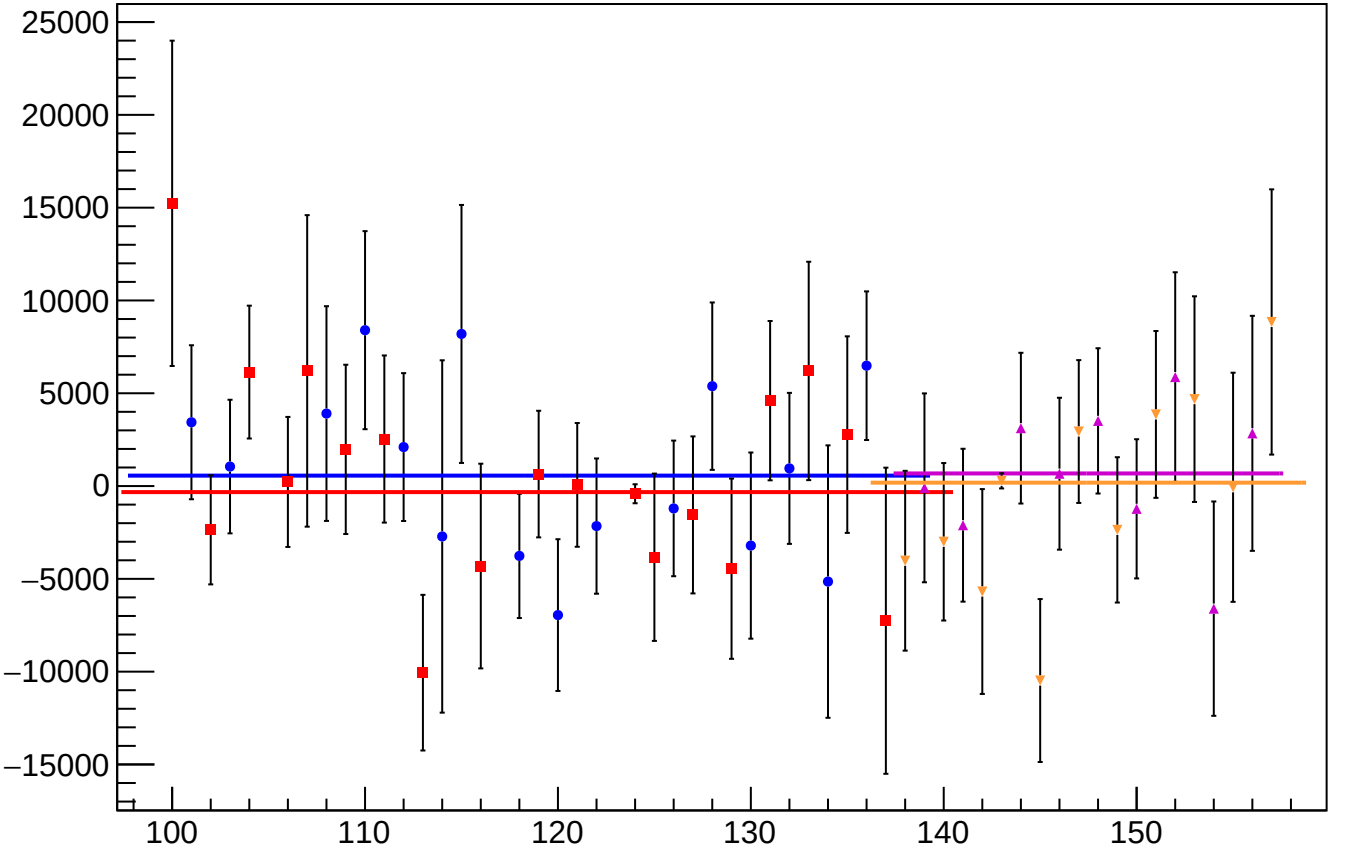
Left In: 1893.819+/-0.478 χ^2/NDF:12927.1/8

+ sign 1845.006+/-0.332 χ^2/NDF: 984323.7/26

All: 1829.020+/-0.235 χ^2/NDF: 1361143.4/54

- sign 1813.101+/-0.332 χ^2/NDF: 372199.8/27

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 182.354+/-394.707 χ^2/NDF:12.1/10

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

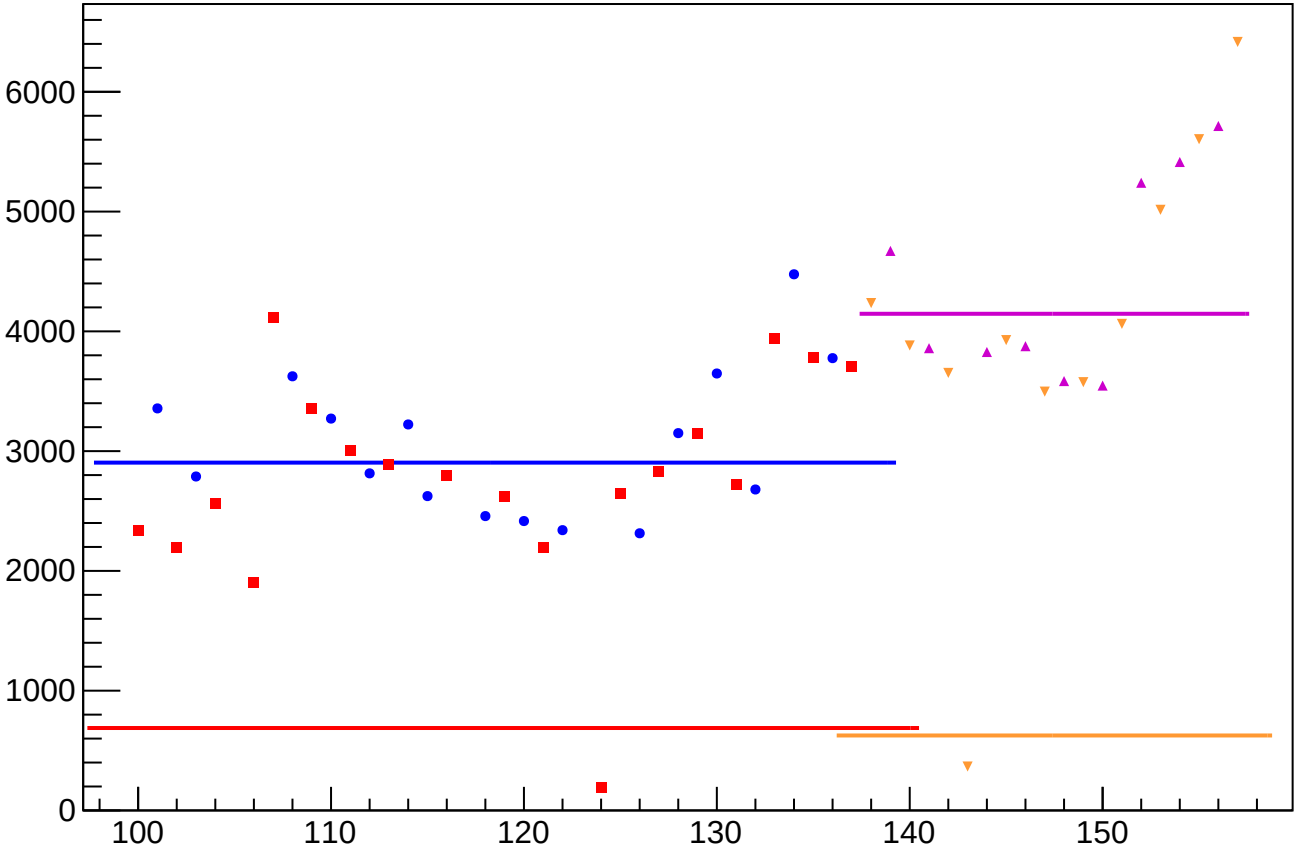
Left In: 680.290+/-1506.419 χ^2/NDF:4.2/8

+ sign 225.617+/-371.558 χ^2/NDF: 27.1/26

All: 30.646+/-283.382 χ^2/NDF: 51.5/54

- sign -240.474+/-438.150 χ^2/NDF: 23.8/27

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 626.005+/-0.279 χ^2/NDF:12111873.2/10

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

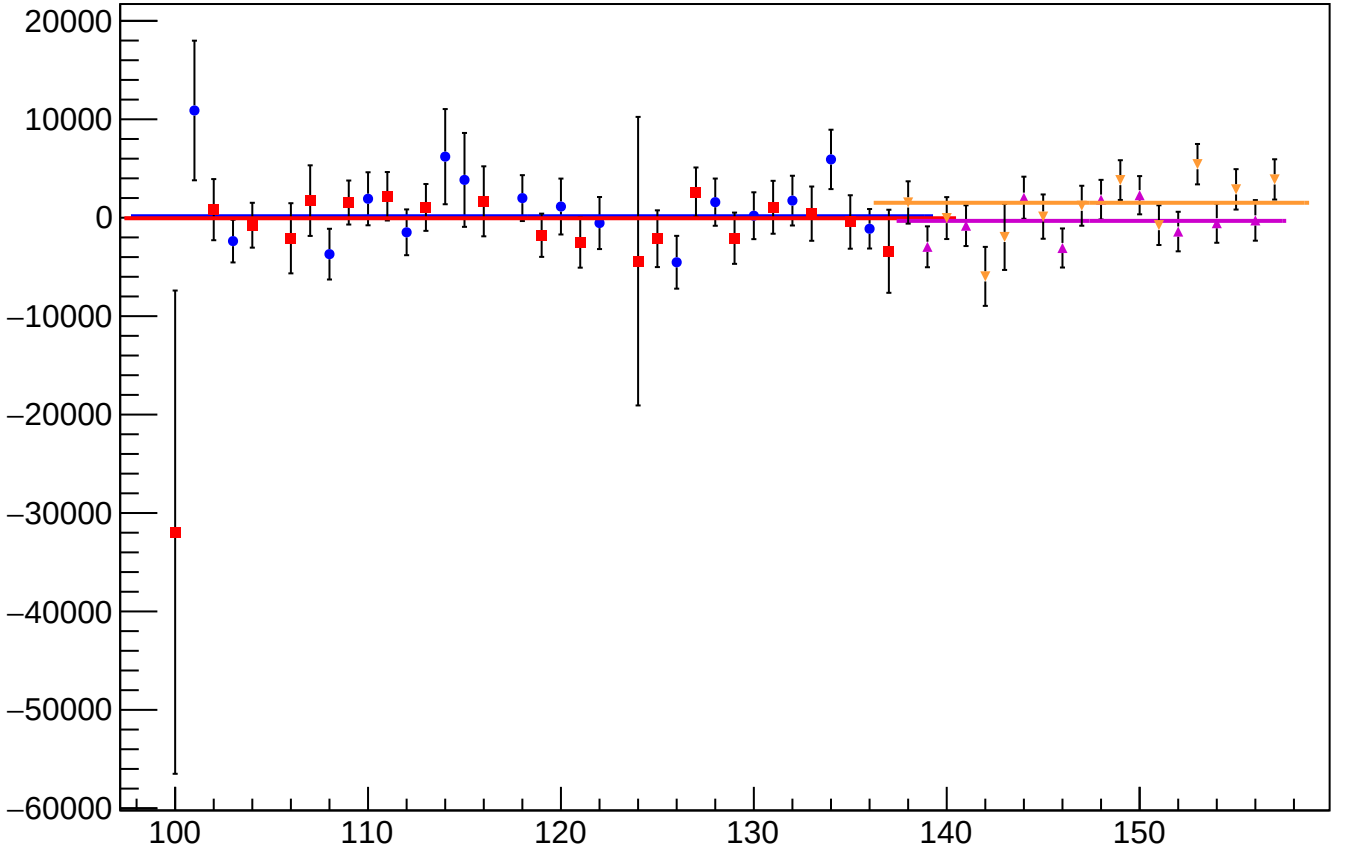
Left In: 4146.693+/-1.065 χ^2/NDF:438497.5/8

+ sign 885.372+/-0.263 χ^2/NDF: 20176729.9/26

All: 925.326+/-0.200 χ^2/NDF: 40468701.8/54

- sign 980.886+/-0.310 χ^2/NDF: 20236686.2/27

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

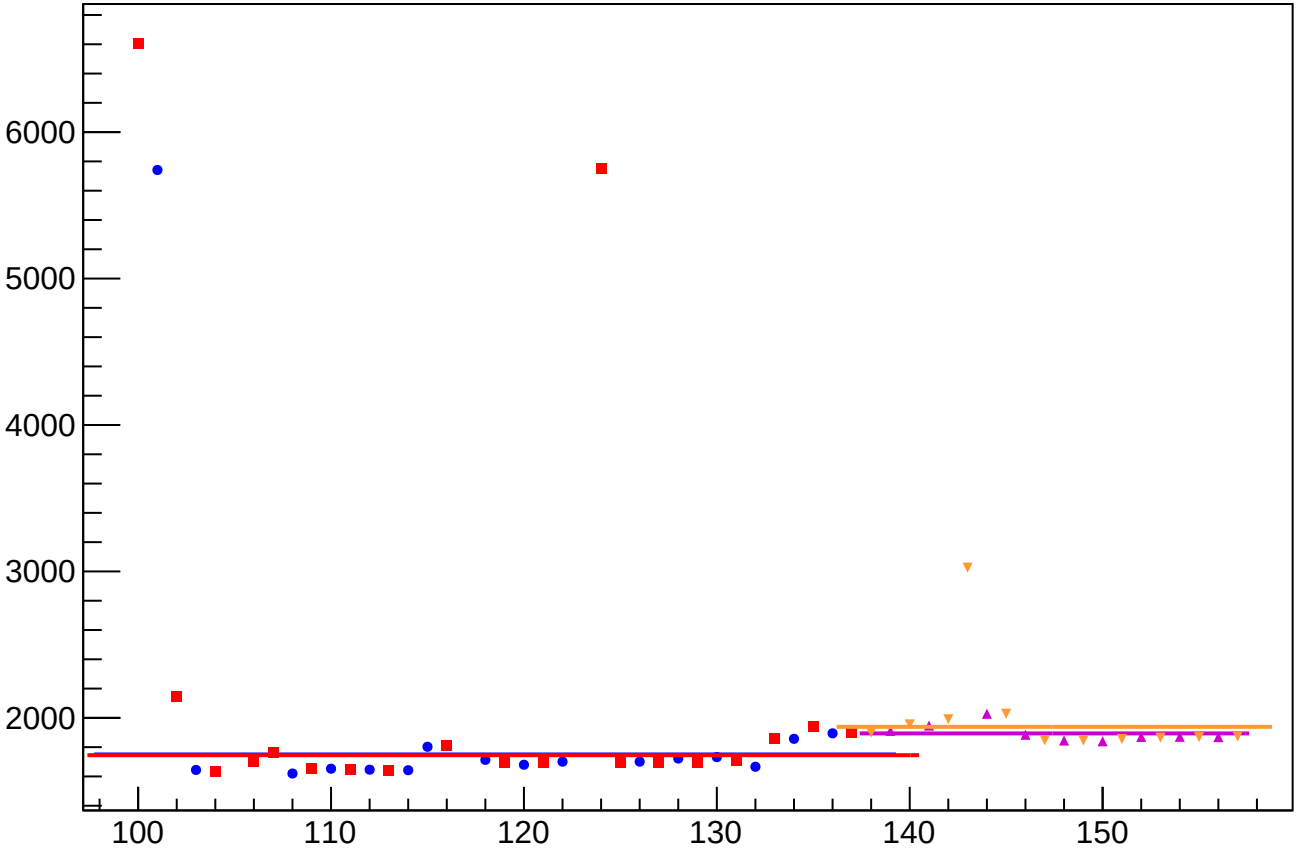
Left In: -320.303+/-676.572 χ^2/NDF:8.1/8

+ sign 839.295+/-469.901 χ^2/NDF: 36.0/26

All: 329.023+/-332.551 χ^2/NDF: 55.5/54

- sign -182.974+/-470.695 χ^2/NDF: 17.1/27

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

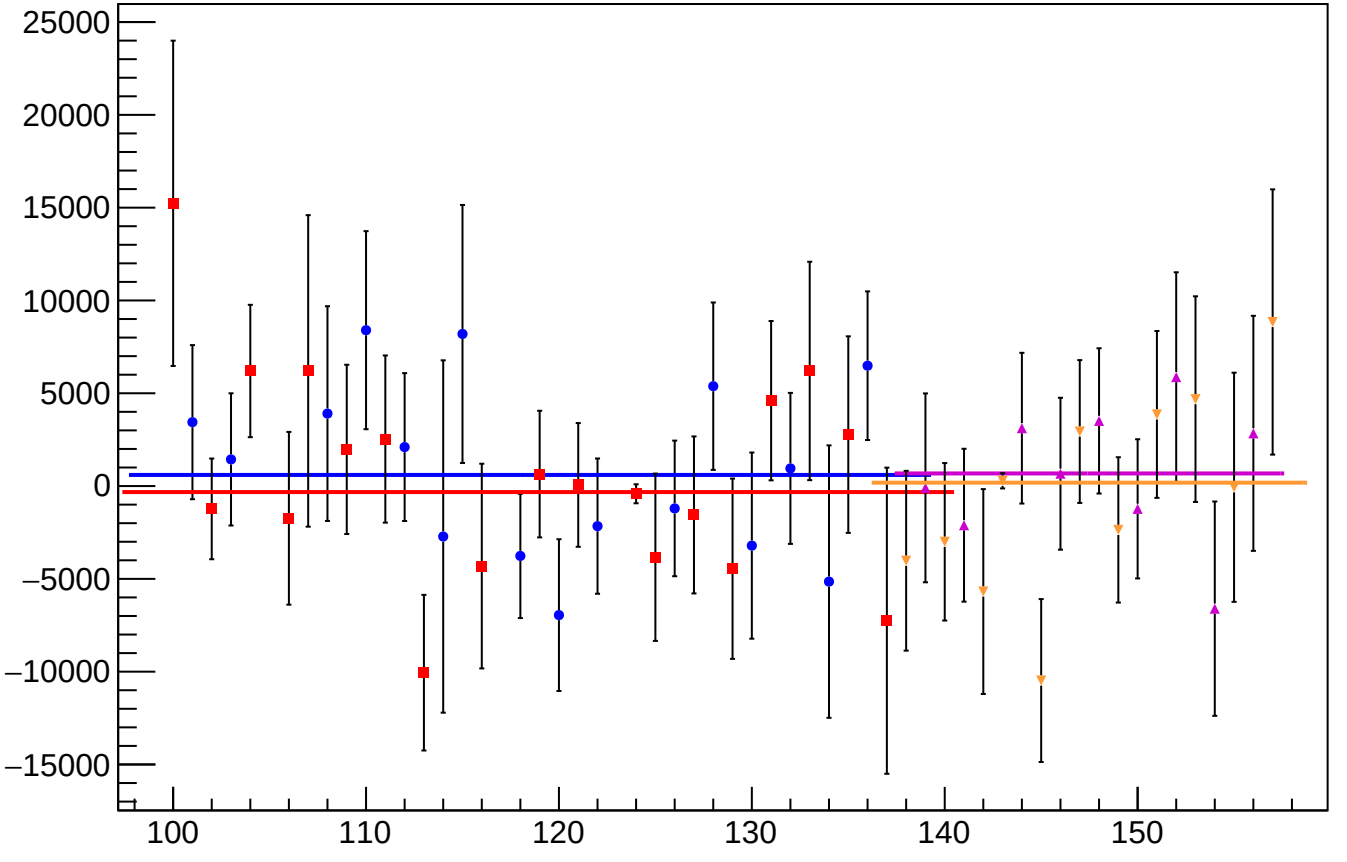
Left In: 1893.819+/-0.478 χ^2/NDF:12927.1/8

+ sign 1845.006+/-0.332 χ^2/NDF: 984324.2/26

All: 1830.924+/-0.235 χ^2/NDF: 1348806.4/54

- sign 1816.849+/-0.332 χ^2/NDF: 360890.7/27

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

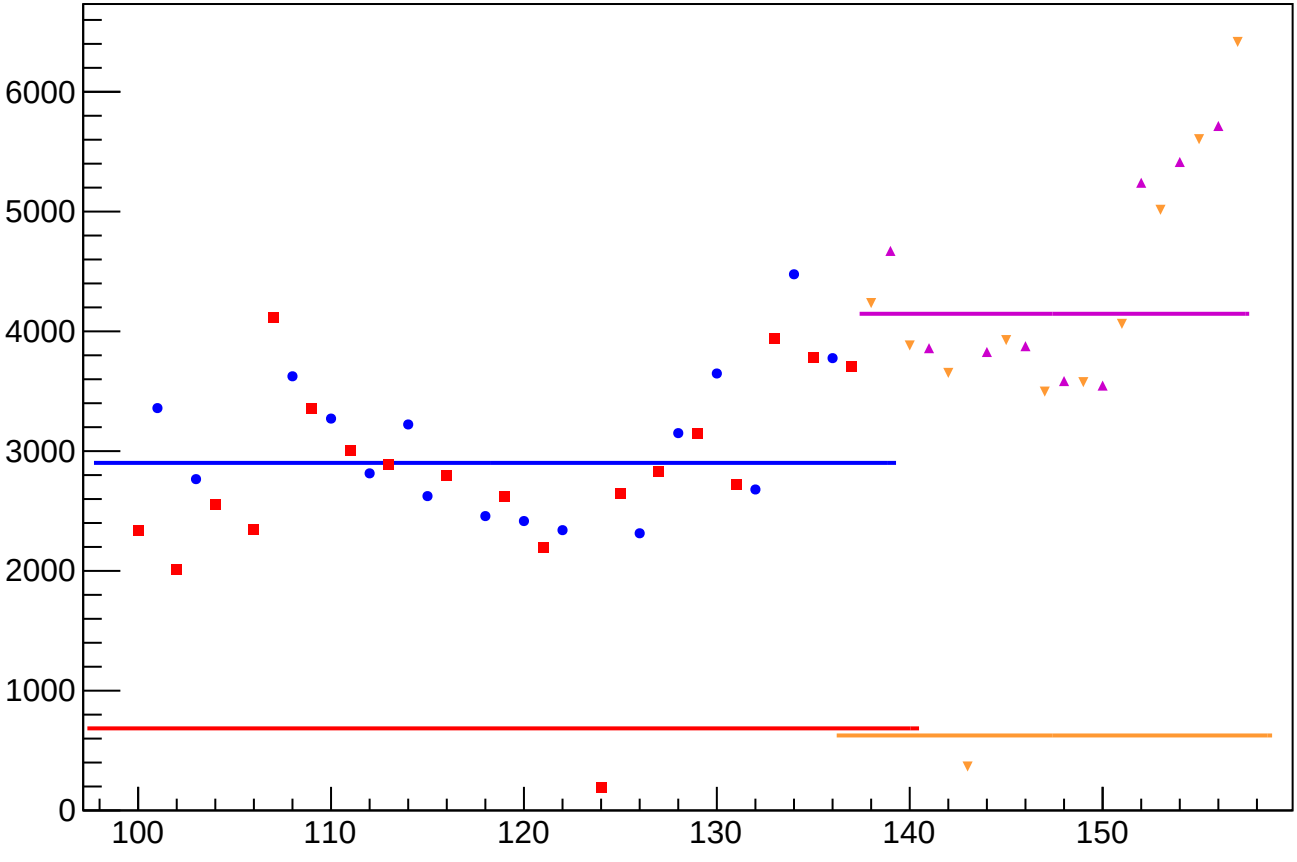
Left In: 680.387+/-1506.416 χ^2/NDF:4.2/8

\+ sign 230.863+/-371.545 χ^2/NDF: 27.1/26

All: 35.175+/-283.593 χ^2/NDF: 51.4/54

\- sign -237.956+/-438.950 χ^2/NDF: 23.6/27

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

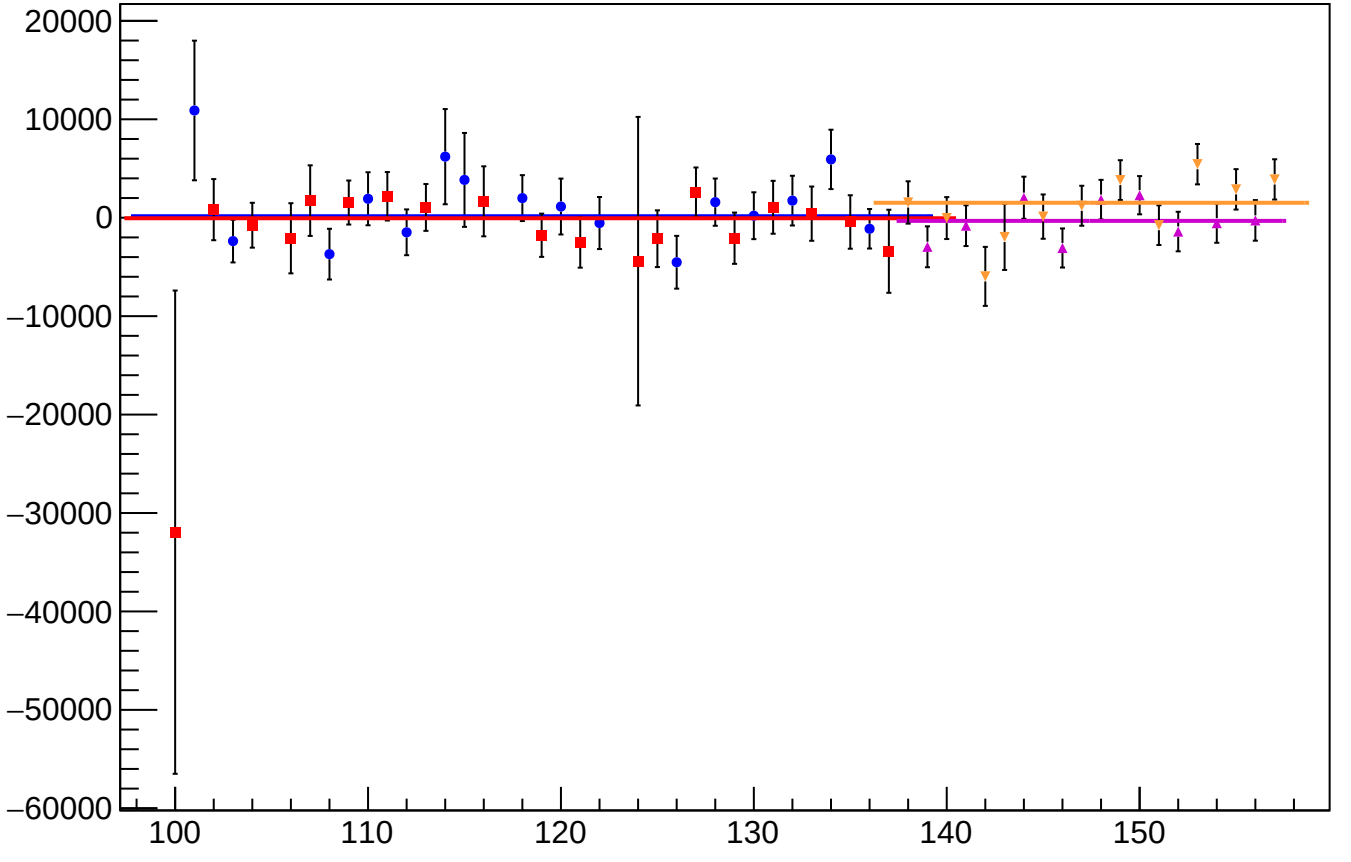
Left In: 4146.682+/-1.065 χ^2/NDF:438505.6/8

+ sign 885.664+/-0.263 χ^2/NDF: 20174838.3/26

All: 924.688+/-0.201 χ^2/NDF: 40435082.2/54

- sign 979.154+/-0.310 χ^2/NDF: 20207387.8/27

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1518.148+/-662.080 χ^2/NDF:16.3/10

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

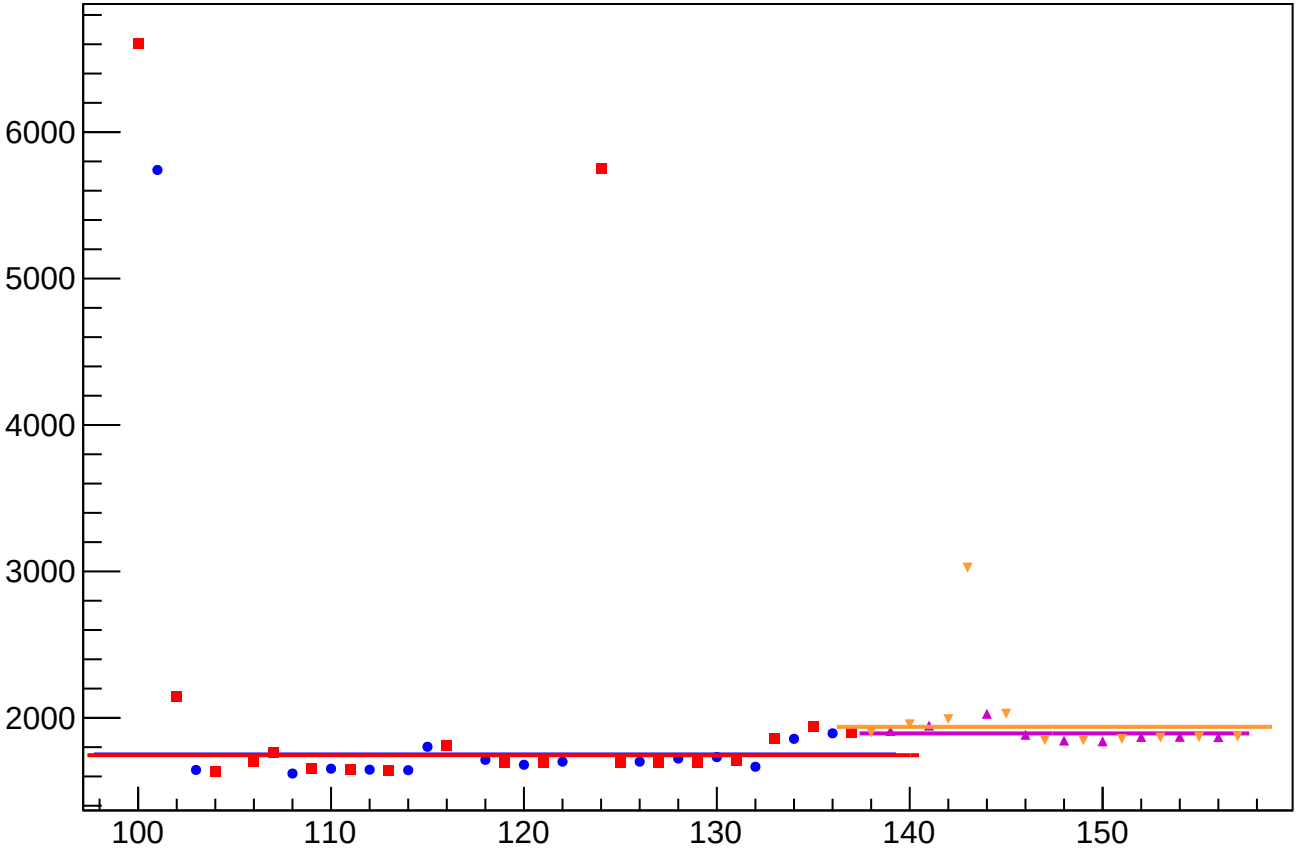
Left In: -320.303+/-676.572 χ^2/NDF:8.1/8

+ sign 839.295+/-469.901 χ^2/NDF: 36.0/26

All: 329.023+/-332.551 χ^2/NDF: 55.5/54

- sign -182.974+/-470.695 χ^2/NDF: 17.1/27

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1938.742+/-0.468 χ^2/NDF:233969.6/10

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

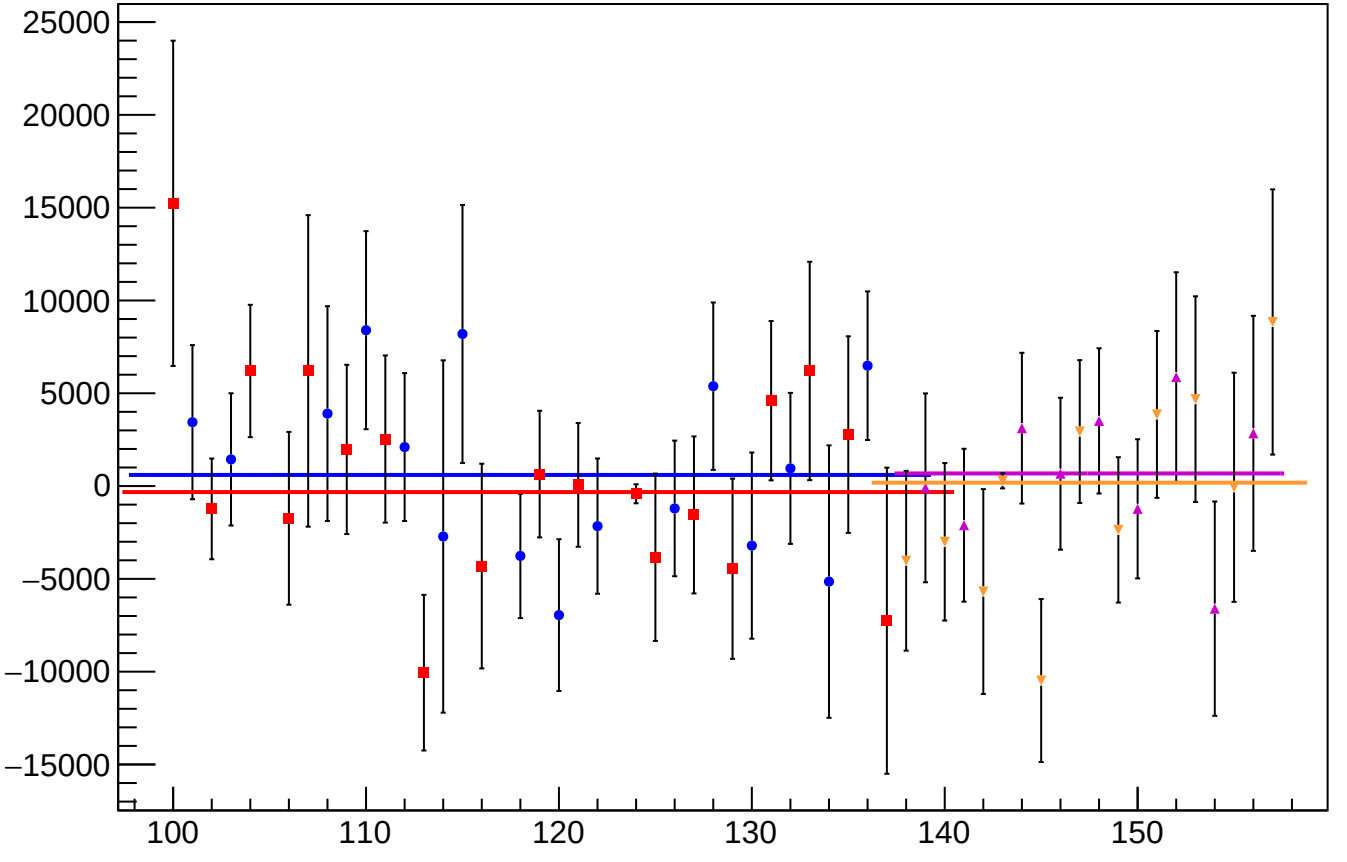
Left In: 1893.819+/-0.478 χ^2/NDF:12927.1/8

+ sign 1845.006+/-0.332 χ^2/NDF: 984324.2/26

All: 1830.924+/-0.235 χ^2/NDF: 1348806.4/54

- sign 1816.849+/-0.332 χ^2/NDF: 360890.7/27

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 183.311+/-394.739 χ^2/NDF:12.1/10

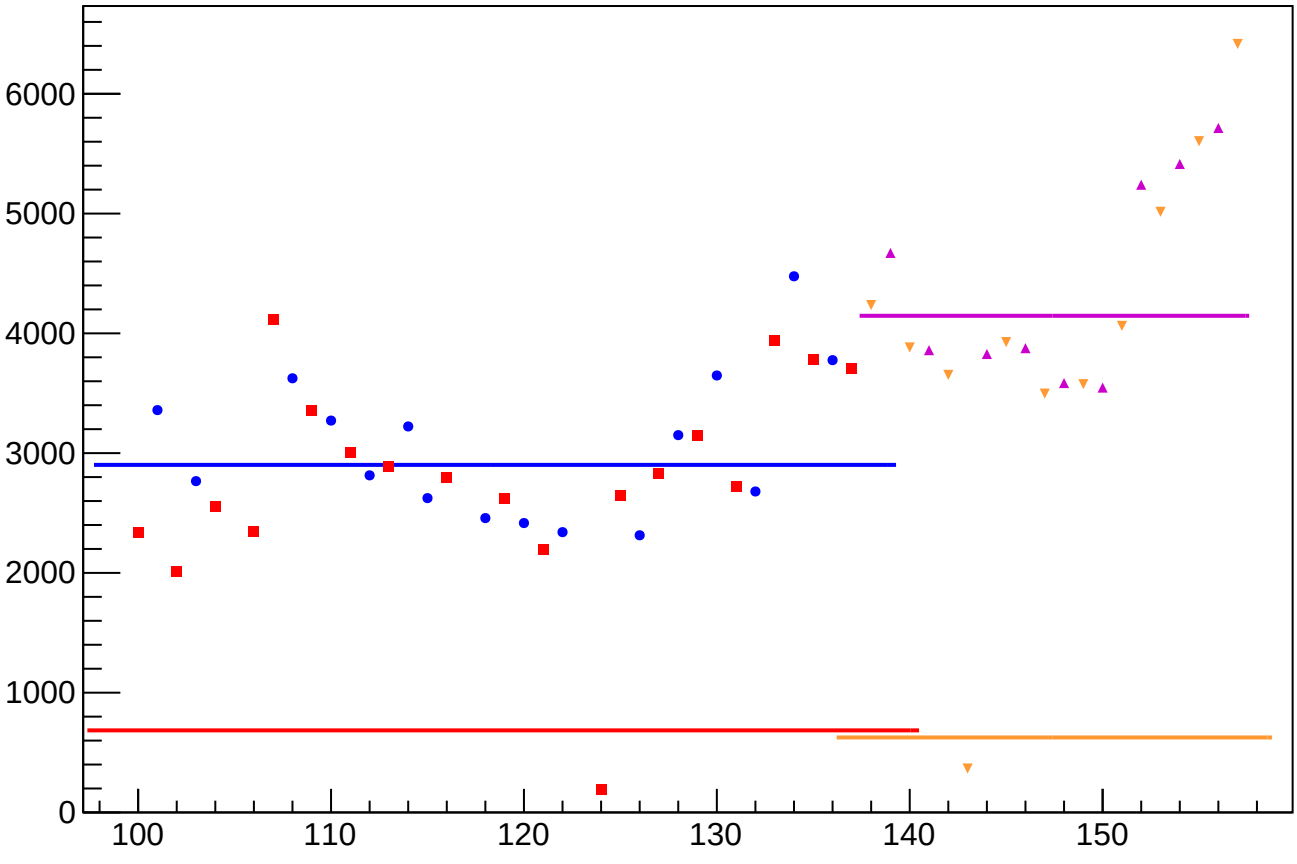
Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: 680.387+/-1506.416 χ^2/NDF:4.2/8

+ sign 230.863+/-371.545 χ^2/NDF: 27.1/26

All: 35.175+/-283.593 χ^2/NDF: 51.4/54

- sign -237.956+/-438.950 χ^2/NDF: 23.6/27



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 626.086+/-0.279 χ^2/NDF:12111480.6/10

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

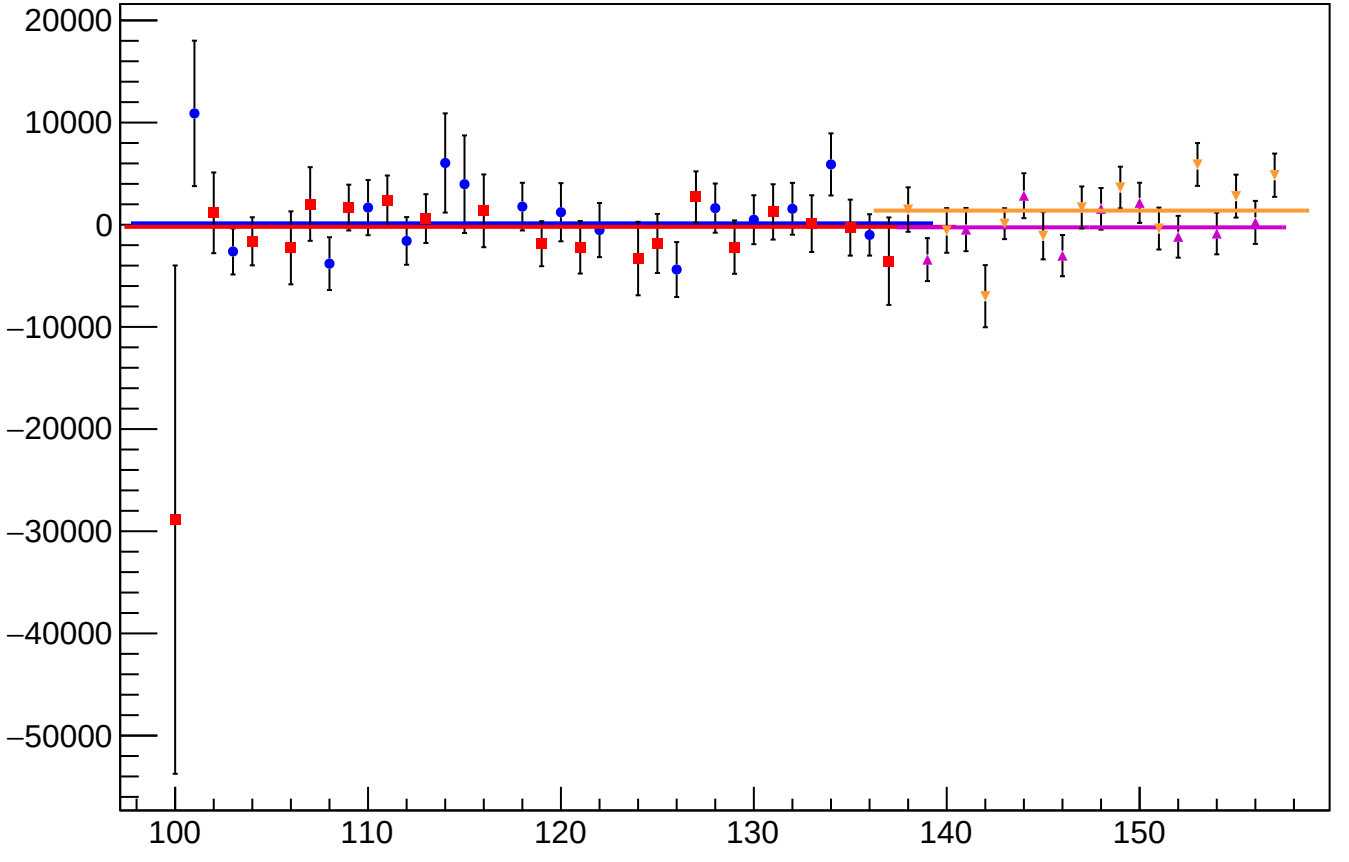
Left In: 4146.682+/-1.065 χ^2/NDF:438505.6/8

+ sign 885.664+/-0.263 χ^2/NDF: 20174838.3/26

All: 924.688+/-0.201 χ^2/NDF: 40435082.2/54

- sign 979.154+/-0.310 χ^2/NDF: 20207387.8/27

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.112+/-626.664 χ^2/NDF:20.0/10

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

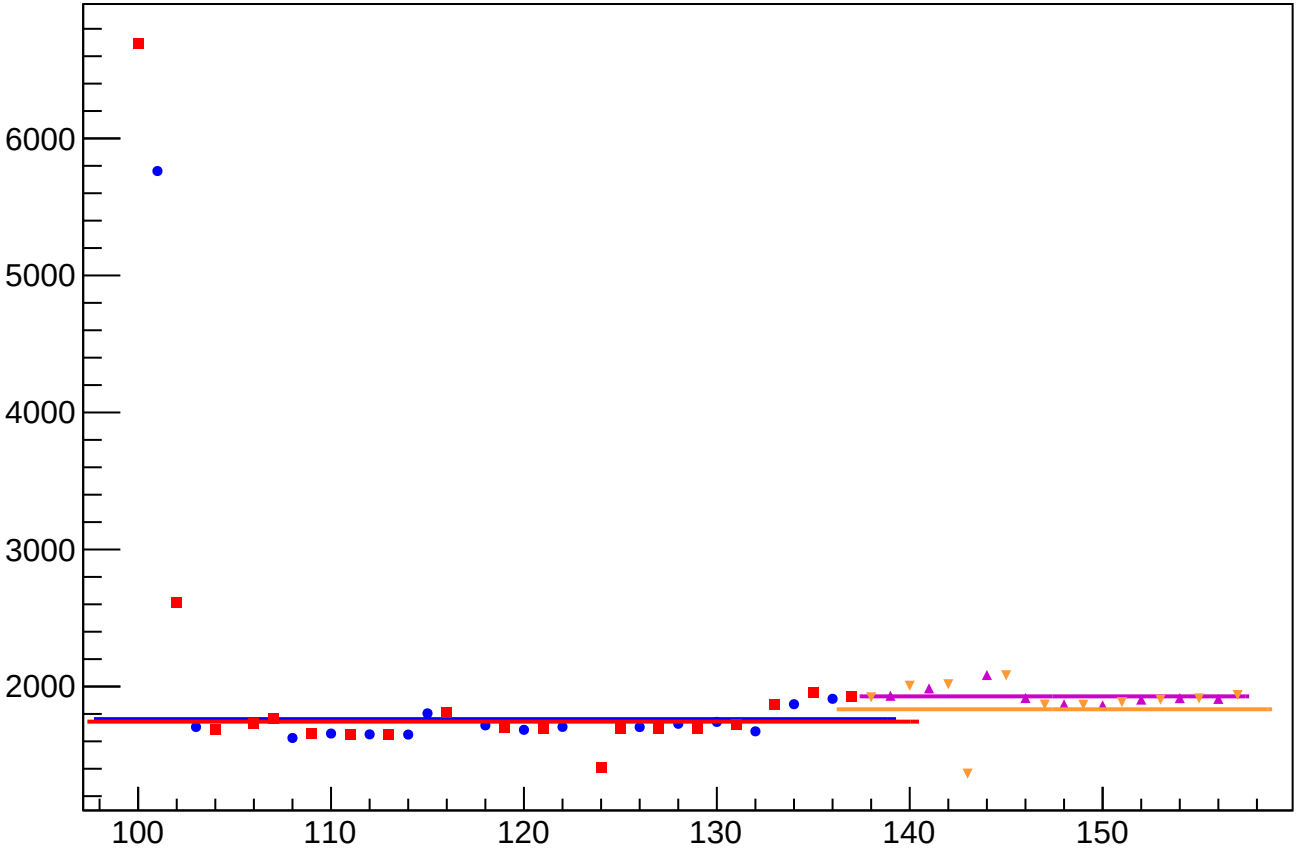
Left In: -255.307+/-688.965 χ^2/NDF:8.8/8

+ sign 802.752+/-458.188 χ^2/NDF: 39.1/26

All: 304.871+/-329.603 χ^2/NDF: 60.0/54

- sign -229.085+/-474.497 χ^2/NDF: 18.5/27

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.901+/-0.443 χ^2/NDF:251573.6/10

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

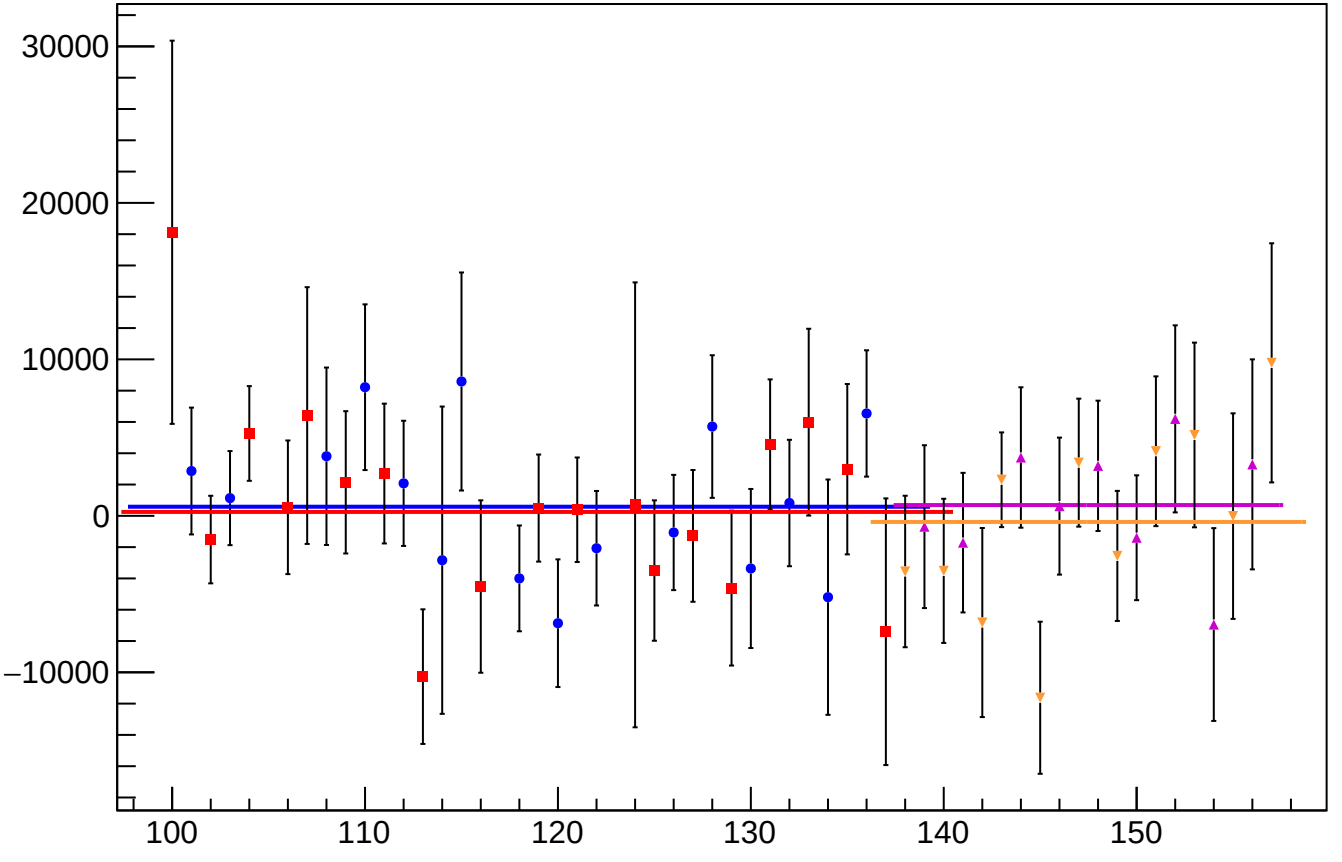
Left In: 1928.246+/-0.487 χ^2/NDF:15970.1/8

+ sign 1800.462+/-0.324 χ^2/NDF: 931506.4/26

All: 1815.211+/-0.233 χ^2/NDF: 1255148.4/54

- sign 1830.981+/-0.335 χ^2/NDF: 319353.6/27

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -389.323+/-1415.580 χ^2/NDF:12.8/10

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

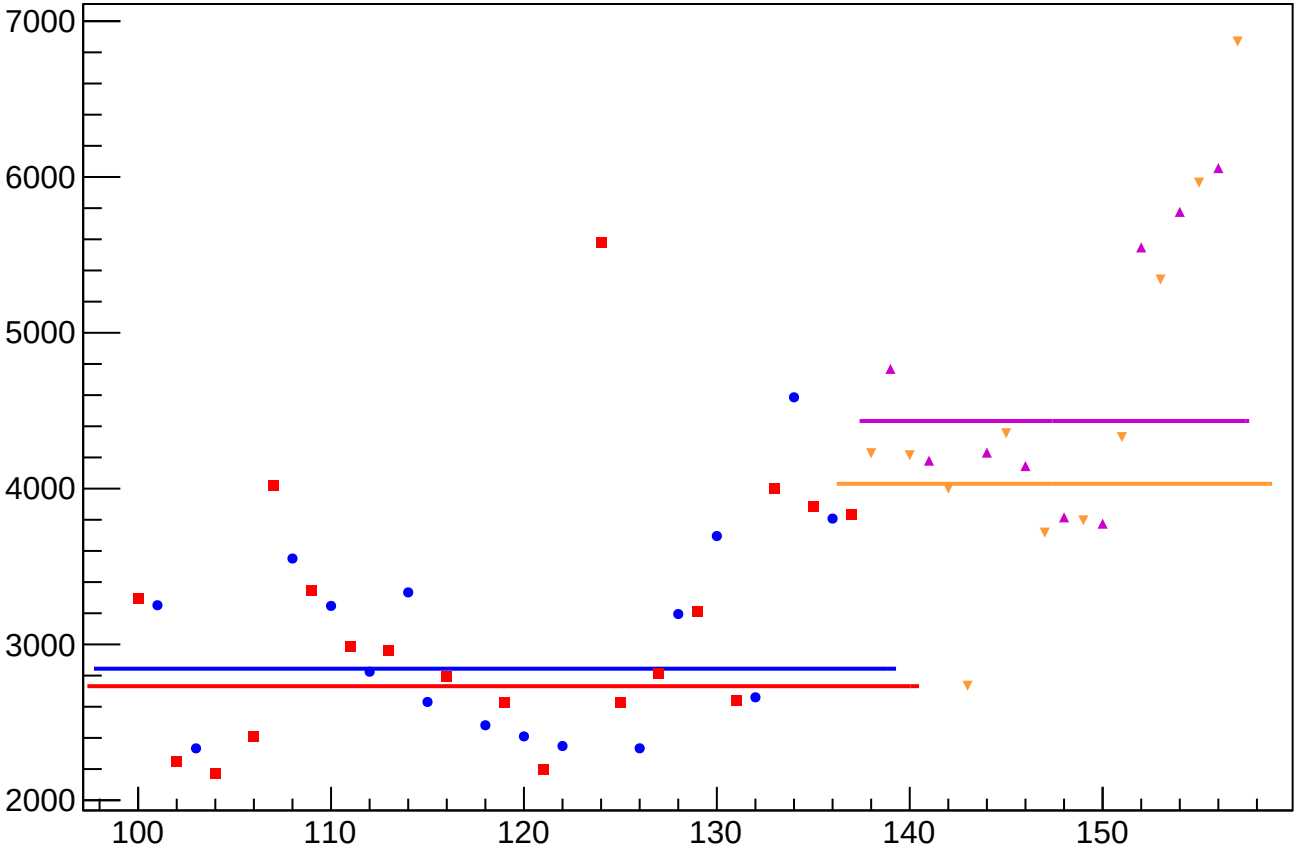
Left In: 688.180+/-1609.512 χ^2/NDF:4.0/8

\+ sign 224.154+/-859.382 χ^2/NDF: 28.0/26

All: 299.778+/-608.658 χ^2/NDF: 50.0/54

\- sign 375.893+/-862.170 χ^2/NDF: 22.0/27

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4031.153+/-1.001 χ^2/NDF:955903.9/10

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

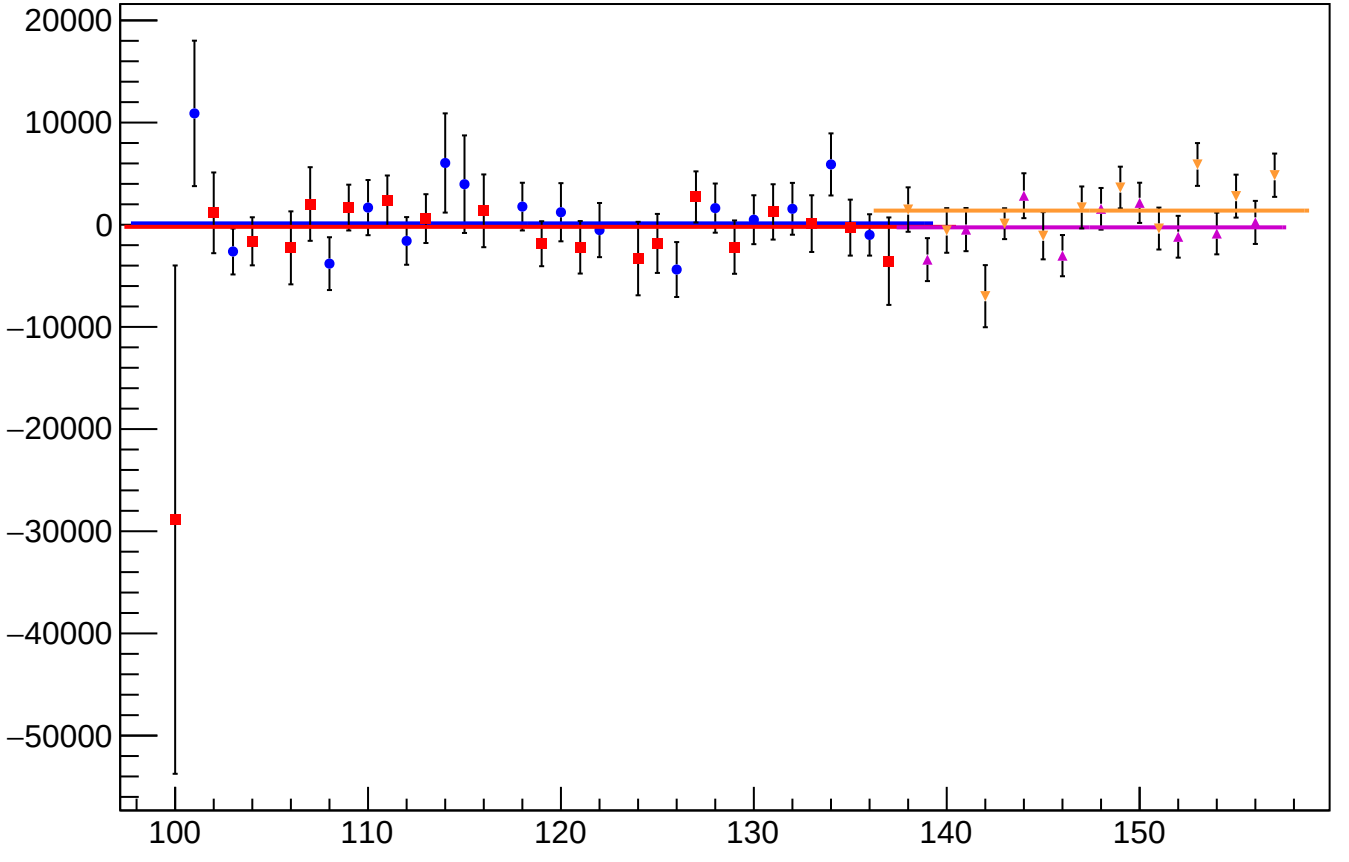
Left In: 4433.840+/-1.138 χ^2/NDF:407675.7/8

+ sign 3281.629+/-0.608 χ^2/NDF: 2385905.3/26

All: 3251.072+/-0.430 χ^2/NDF: 5004391.5/54

- sign 3220.317+/-0.610 χ^2/NDF: 2613412.7/27

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1385.107+/-626.664 χ^2/NDF:20.0/10

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

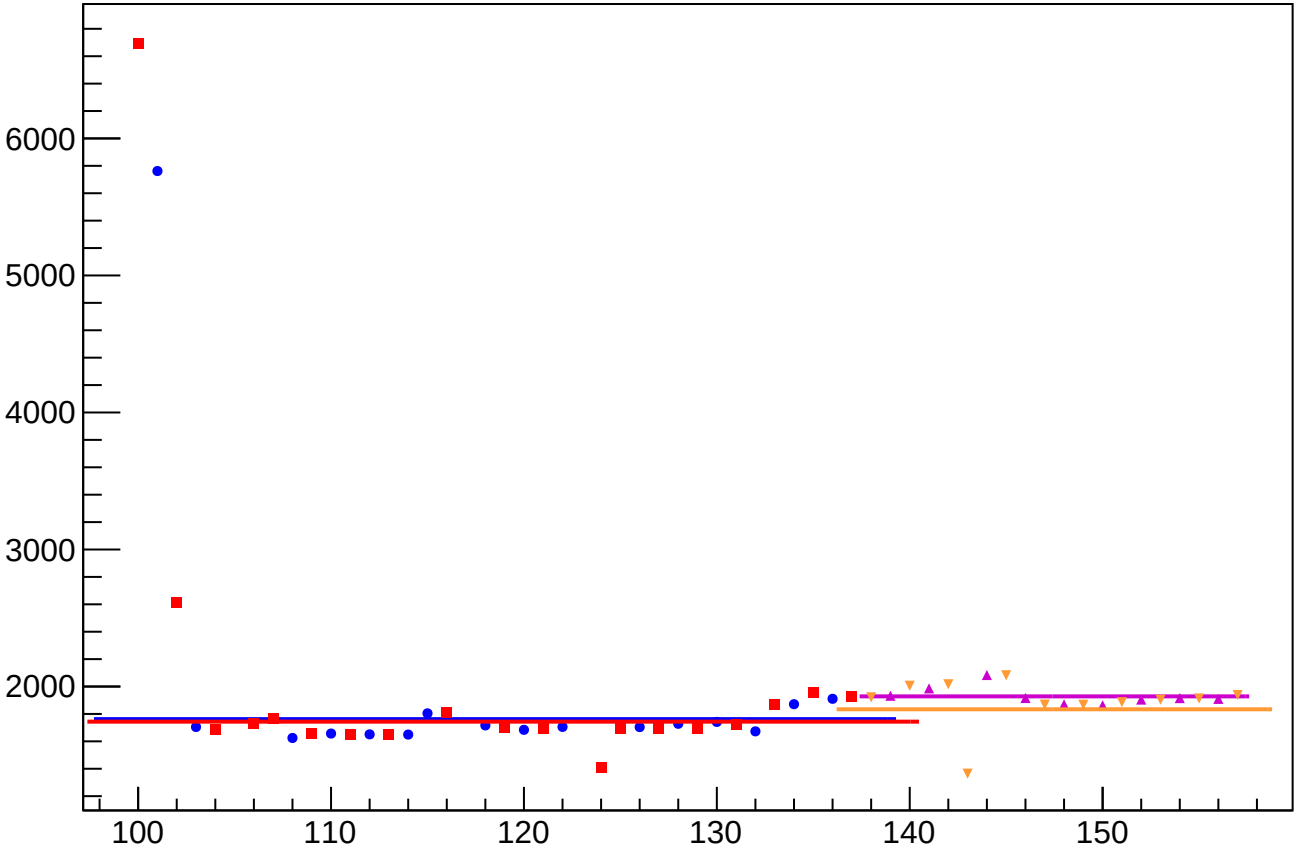
Left In: -255.305+/-688.965 χ^2/NDF:8.8/8

+ sign 802.749+/-458.188 χ^2/NDF: 39.1/26

All: 304.870+/-329.603 χ^2/NDF: 60.0/54

- sign -229.083+/-474.497 χ^2/NDF: 18.5/27

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1833.902+/-0.443 χ^2/NDF:251574.8/10

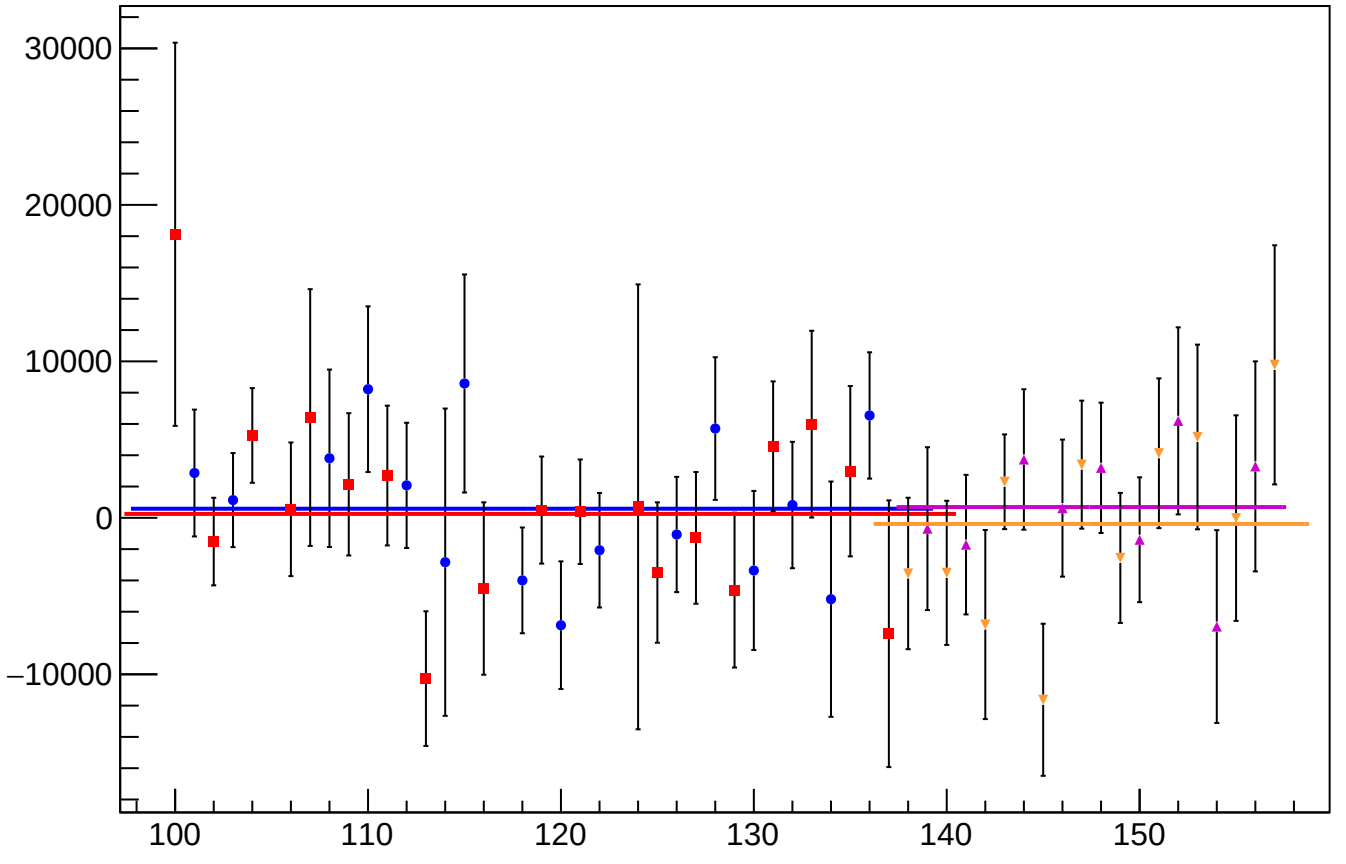
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1928.247+/-0.487 χ^2/NDF:15970.3/8

+ sign 1800.462+/-0.324 χ^2/NDF: 931507.9/26

All: 1815.211+/-0.233 χ^2/NDF: 1255150.9/54

- sign 1830.981+/-0.335 χ^2/NDF: 319354.6/27



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -389.321+/-1415.582 χ^2/NDF:12.8/10

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

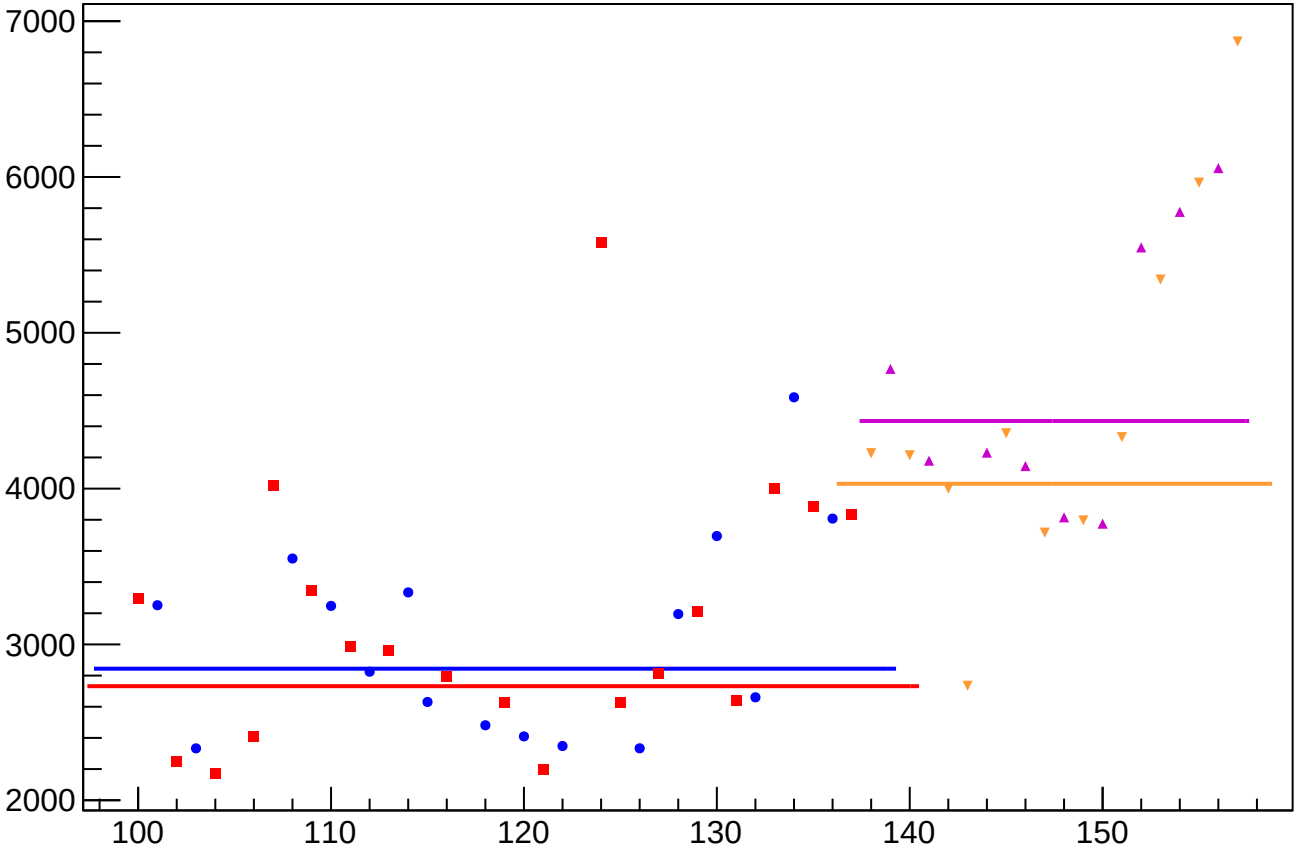
Left In: 688.180+/-1609.514 χ^2/NDF:4.0/8

\+ sign 224.154+/-859.381 χ^2/NDF: 28.0/26

All: 299.778+/-608.657 χ^2/NDF: 50.0/54

\- sign 375.893+/-862.169 χ^2/NDF: 22.0/27

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4031.157+/-1.001 χ^2/NDF:955909.0/10

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

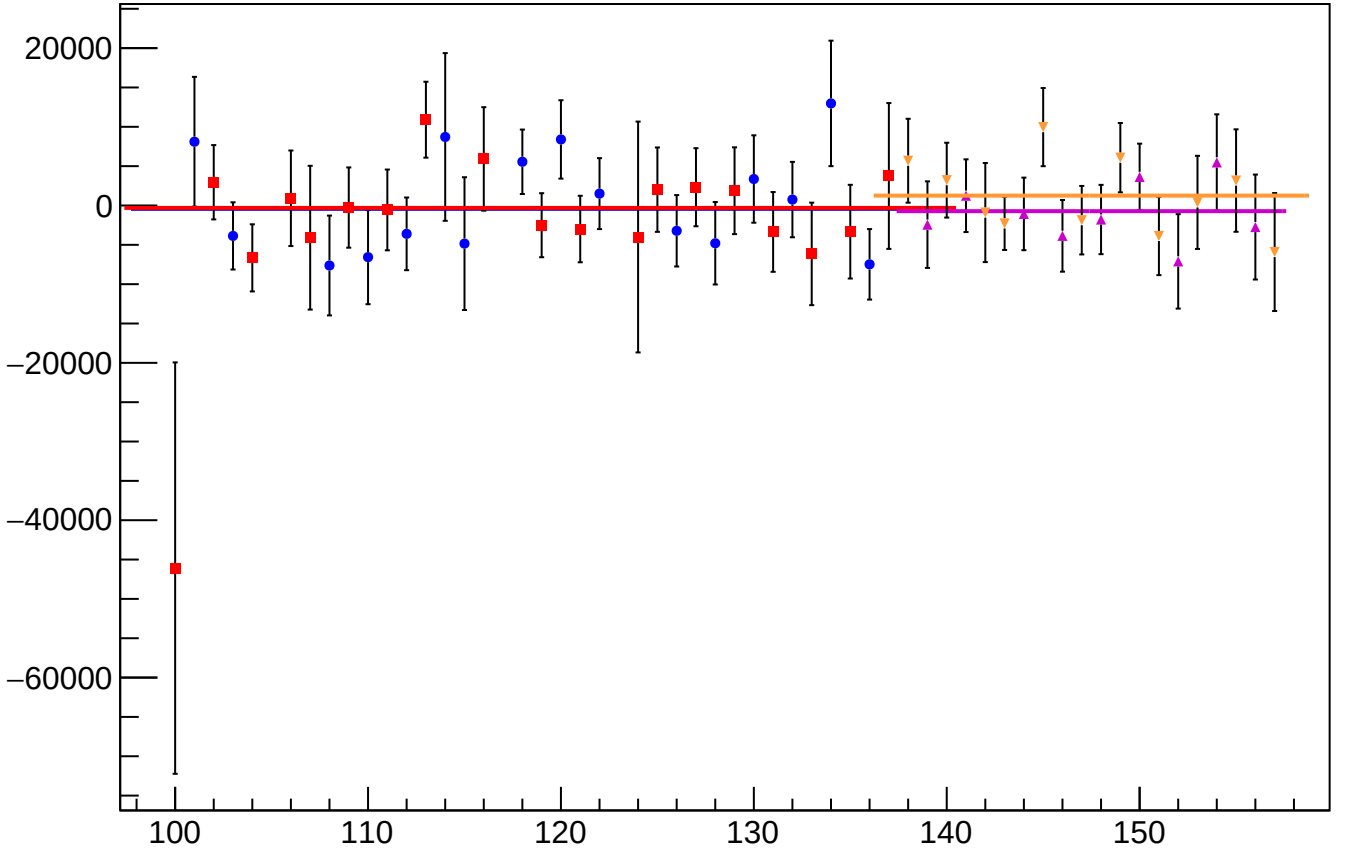
Left In: 4433.846+/-1.138 χ^2/NDF:407678.3/8

+ sign 3281.623+/-0.608 χ^2/NDF: 2385932.1/26

All: 3251.067+/-0.430 χ^2/NDF: 5004438.1/54

- sign 3220.312+/-0.610 χ^2/NDF: 2613432.6/27

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1255.311+/-1494.823 χ^2/NDF:8.9/10

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

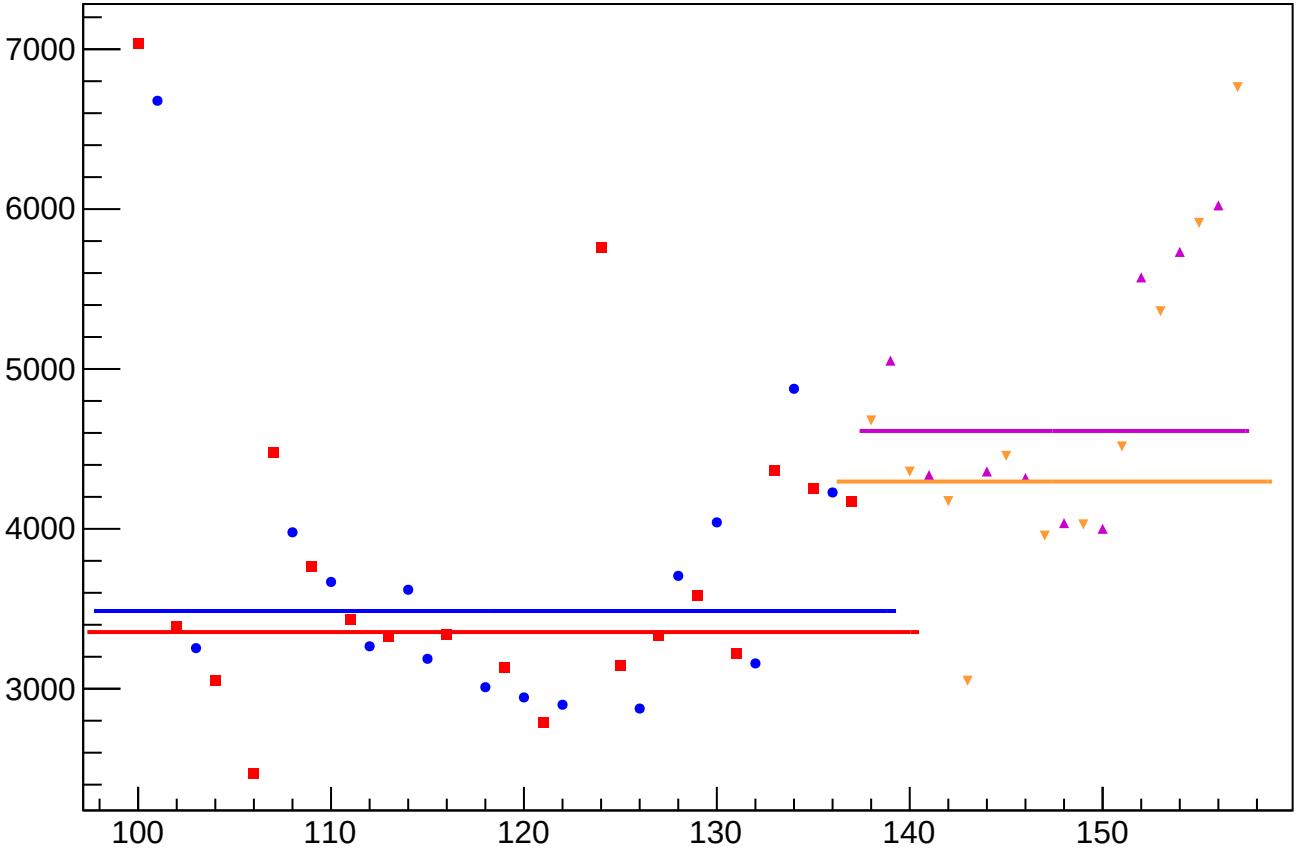
Left In: -720.825+/-1667.434 χ^2/NDF:4.1/8

+ sign 316.780+/-992.491 χ^2/NDF: 27.6/26

All: -63.746+/-709.003 χ^2/NDF: 47.3/54

- sign -460.313+/-1013.194 χ^2/NDF: 19.4/27

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4295.845+/-1.057 χ^2/NDF:714248.3/10

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

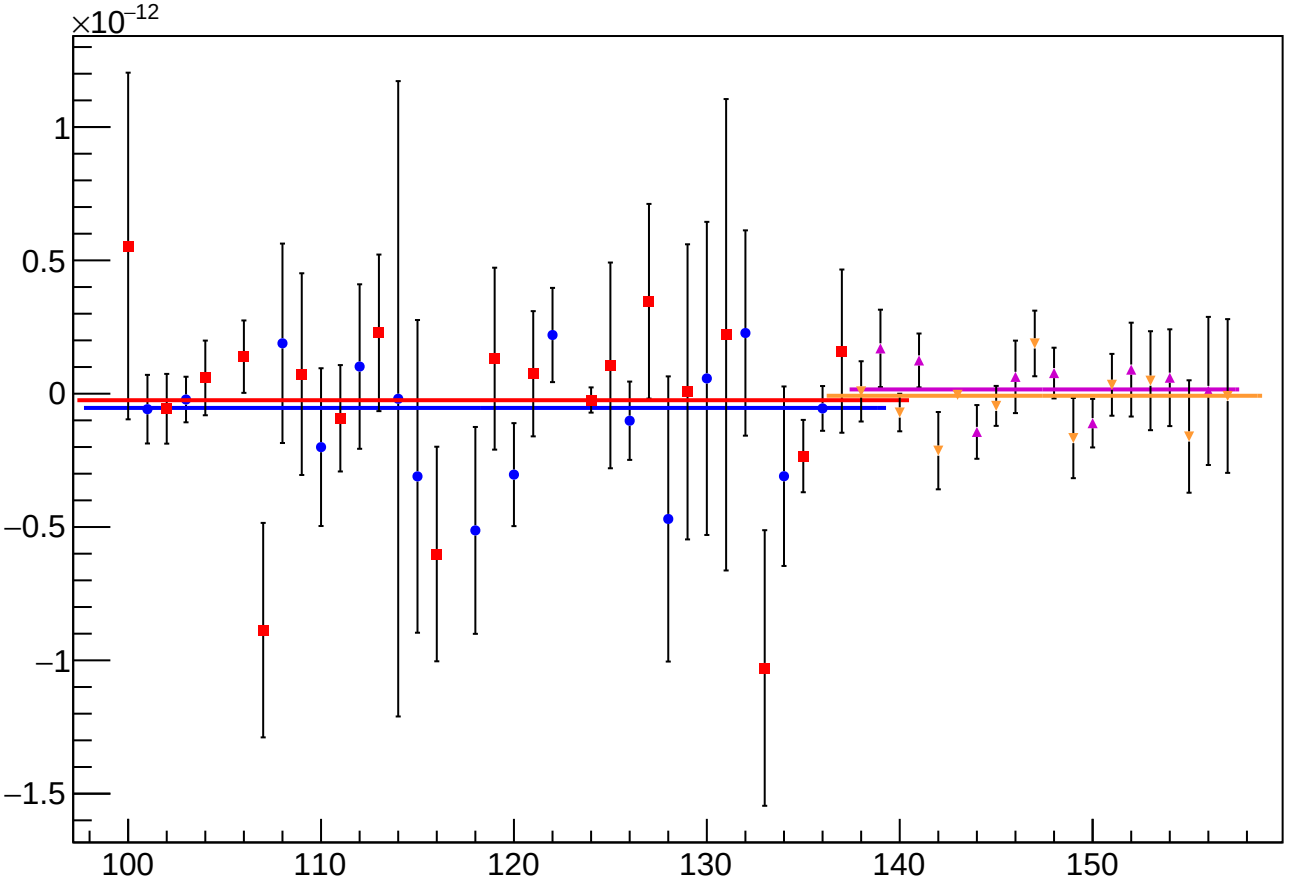
Left In: 4612.310+/-1.179 χ^2/NDF:318457.4/8

+ sign 3843.098+/-0.702 χ^2/NDF: 1638148.1/26

All: 3827.075+/-0.499 χ^2/NDF: 3059444.7/54

- sign 3810.671+/-0.710 χ^2/NDF: 1420241.6/27

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

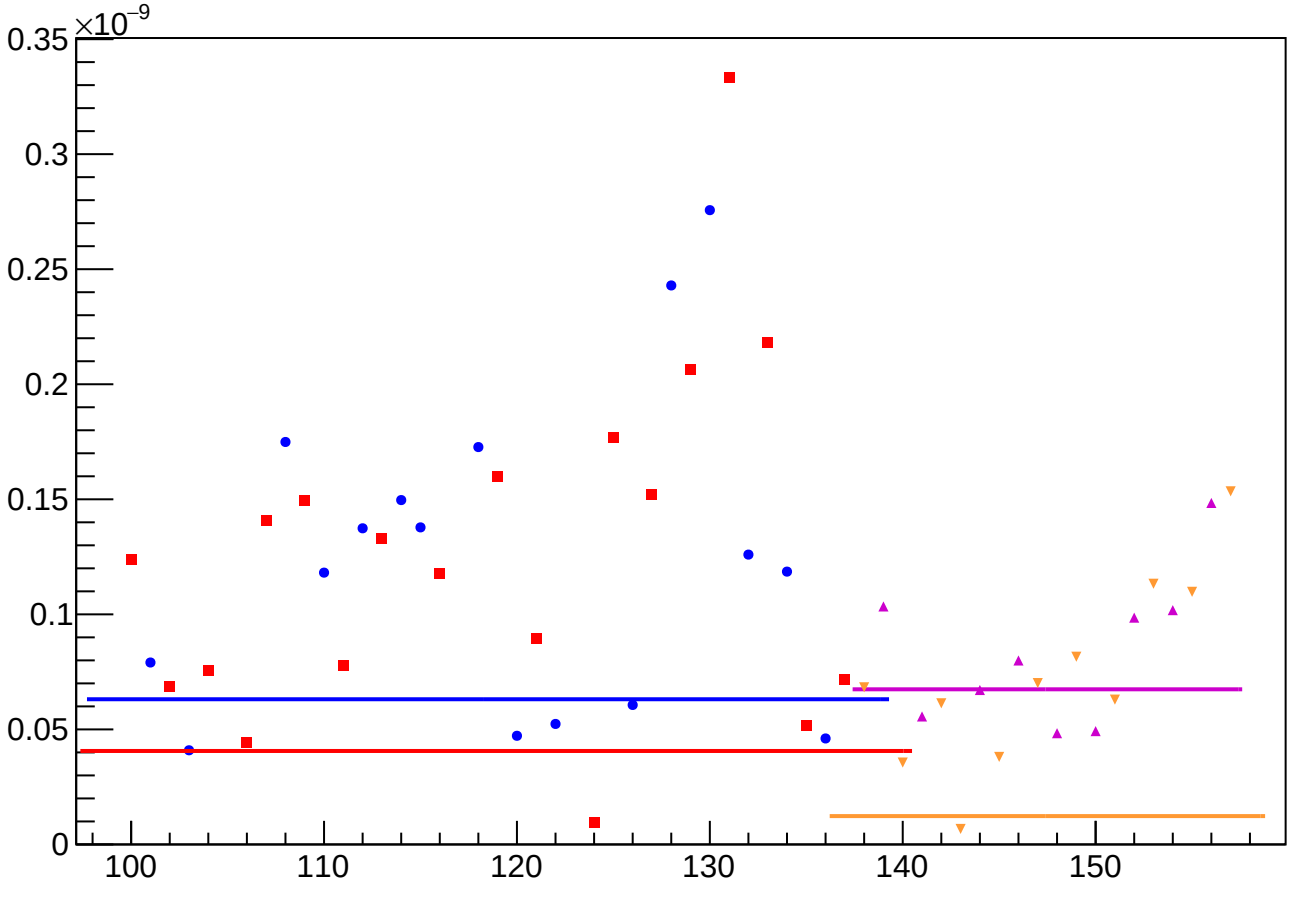
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 17.1/26

All: -0.000+/-0.000 χ^2/NDF: 43.6/54

- sign -0.000+/-0.000 χ^2/NDF: 26.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4293283.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

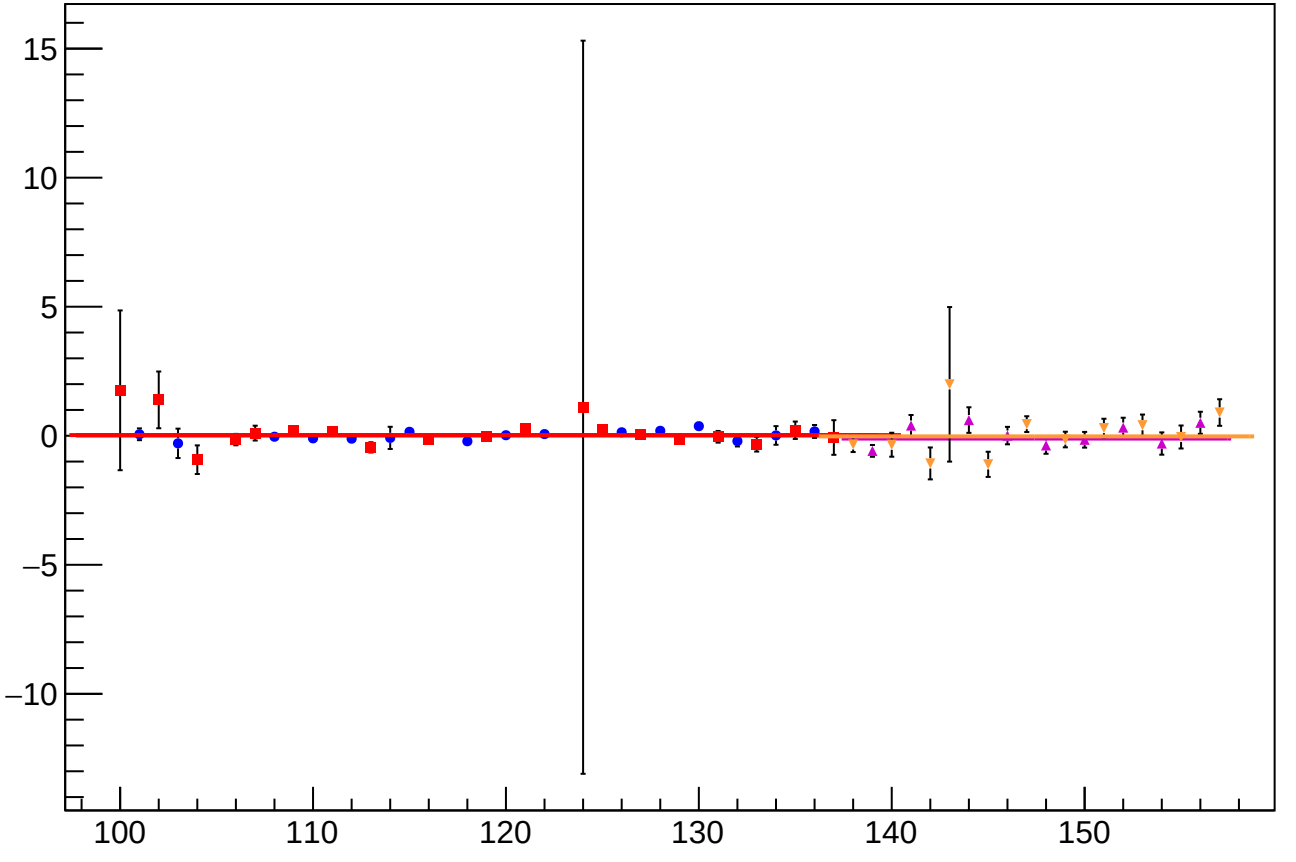
Left In: 0.000+/-0.000 χ^2/NDF:632278.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 8152298.7/26

All: 0.000+/-0.000 χ^2/NDF: 15542880.6/54

- sign 0.000+/-0.000 χ^2/NDF: 4294924.6/27

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

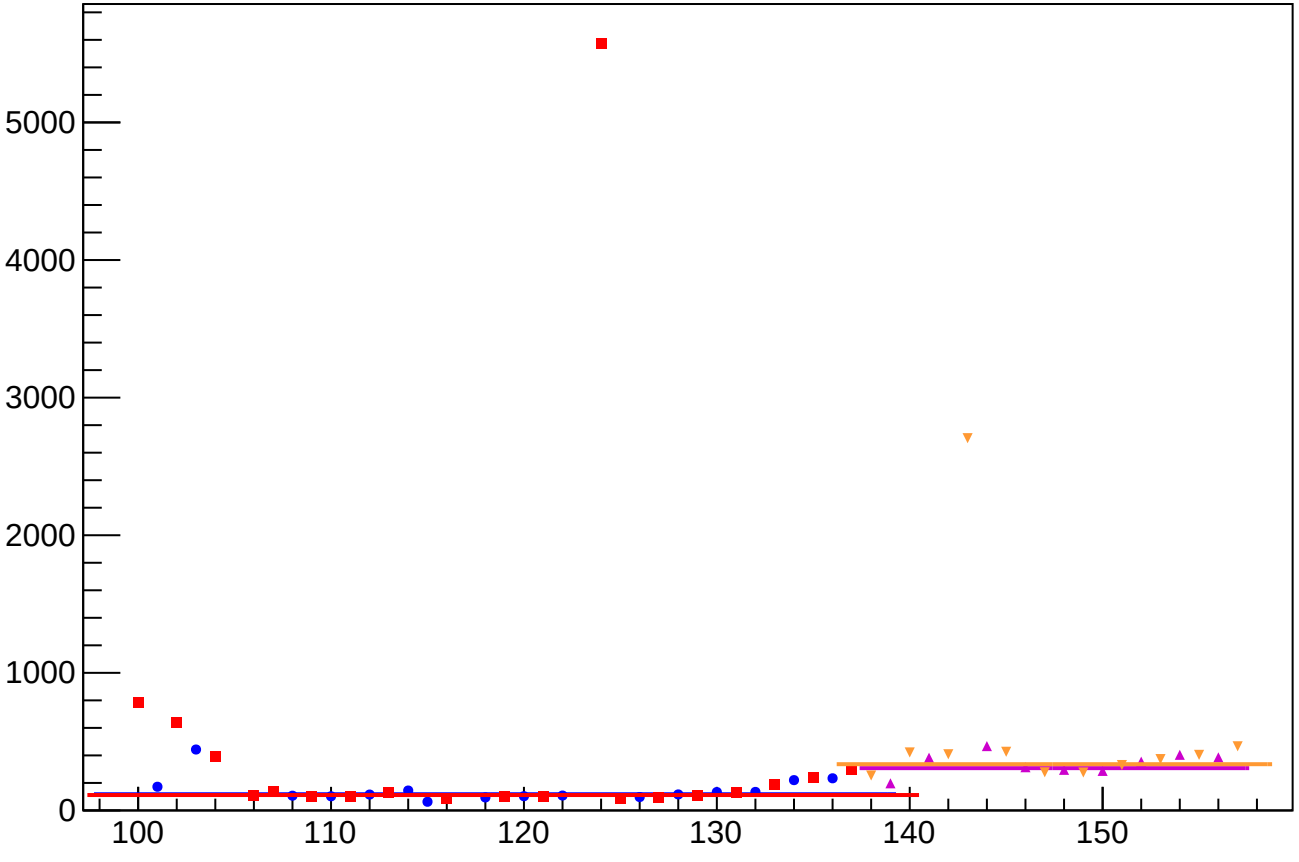
Left In: -0.109+/-0.115 χ^2/NDF:12.2/8

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.008+/-0.031 χ^2/NDF: 64.9/54

- sign 0.006+/-0.043 χ^2/NDF: 35.5/27

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 336.208+/-0.086 χ^2/NDF:1913185.9/10

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

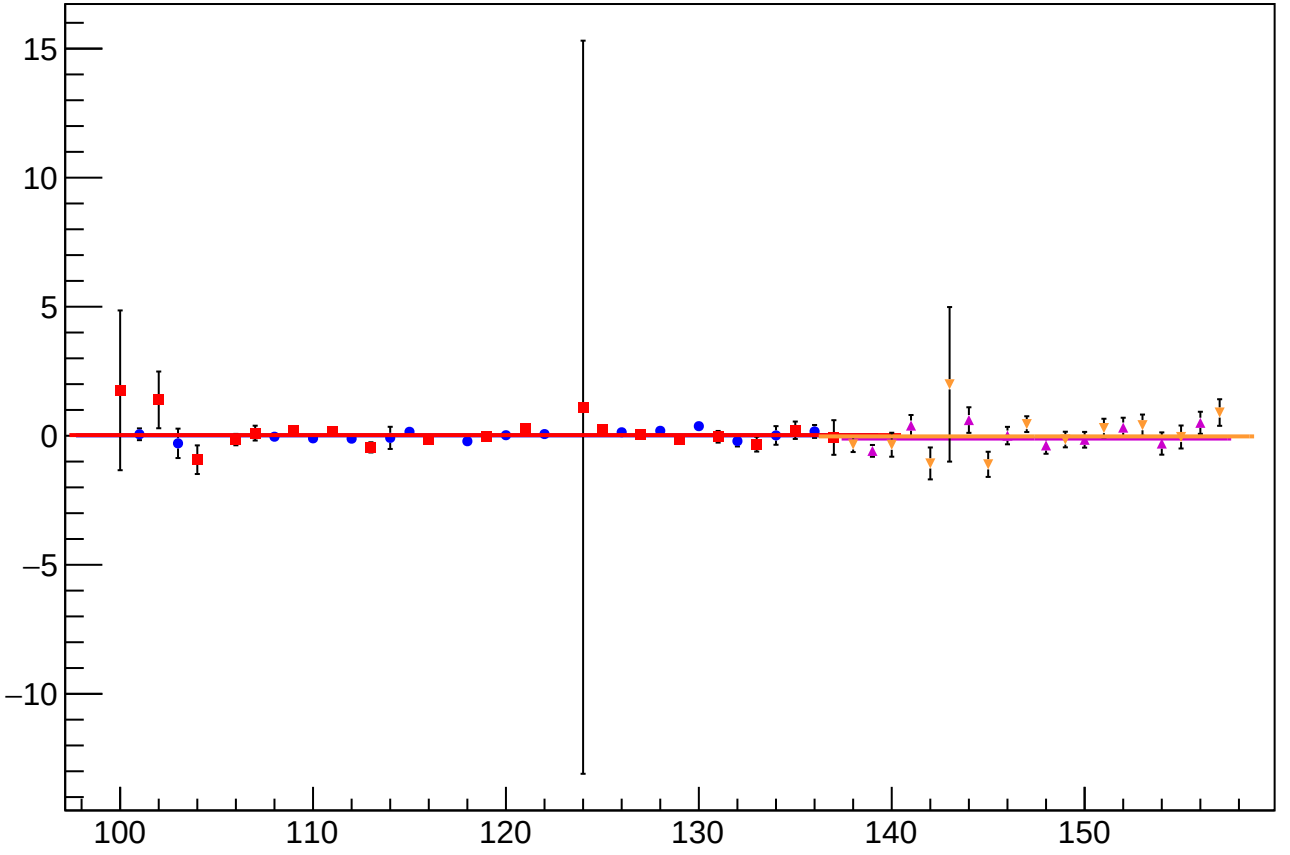
Left In: 307.501+/-0.081 χ^2/NDF:952122.8/8

+ sign 146.776+/-0.032 χ^2/NDF: 9186175.8/26

All: 143.295+/-0.022 χ^2/NDF: 17312812.2/54

- sign 140.001+/-0.031 χ^2/NDF: 8102909.8/27

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

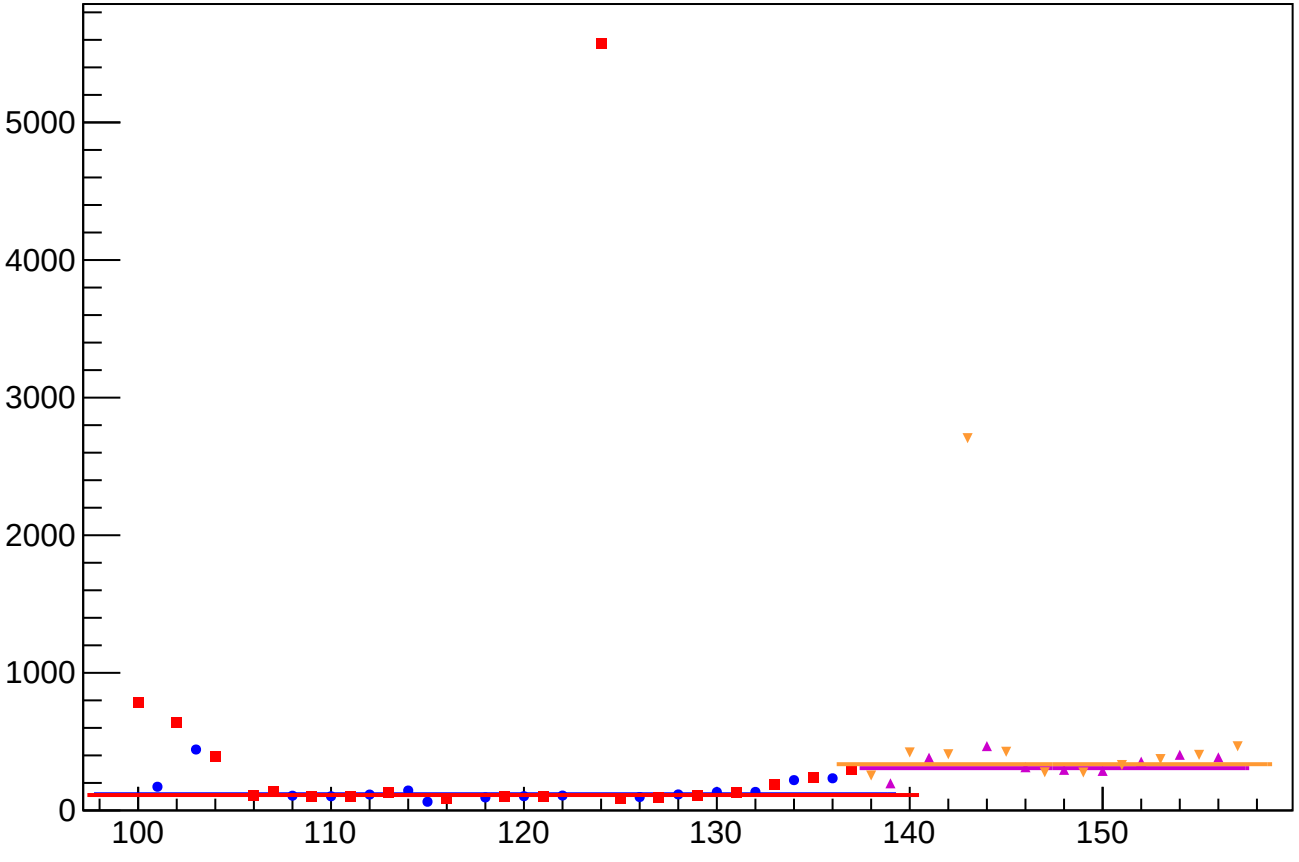
Left In: -0.109+/-0.115 χ^2/NDF:12.2/8

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.008+/-0.031 χ^2/NDF: 64.9/54

- sign 0.006+/-0.043 χ^2/NDF: 35.5/27

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 336.208+/-0.086 χ^2/NDF:1913185.9/10

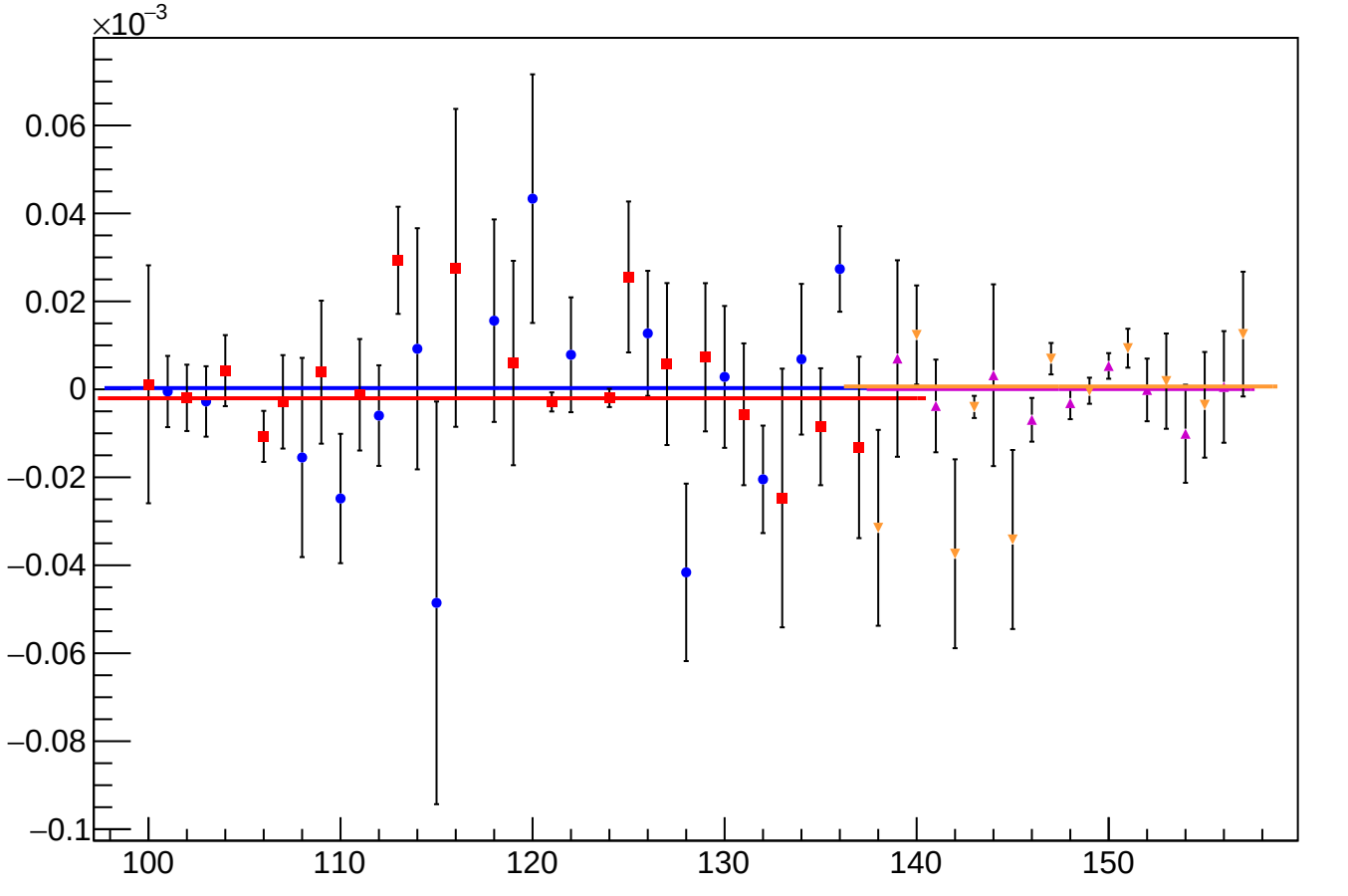
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 307.501+/-0.081 χ^2/NDF:952122.8/8

+ sign 146.776+/-0.032 χ^2/NDF: 9186175.8/26

All: 143.295+/-0.022 χ^2/NDF: 17312812.2/54

- sign 140.001+/-0.031 χ^2/NDF: 8102909.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/10

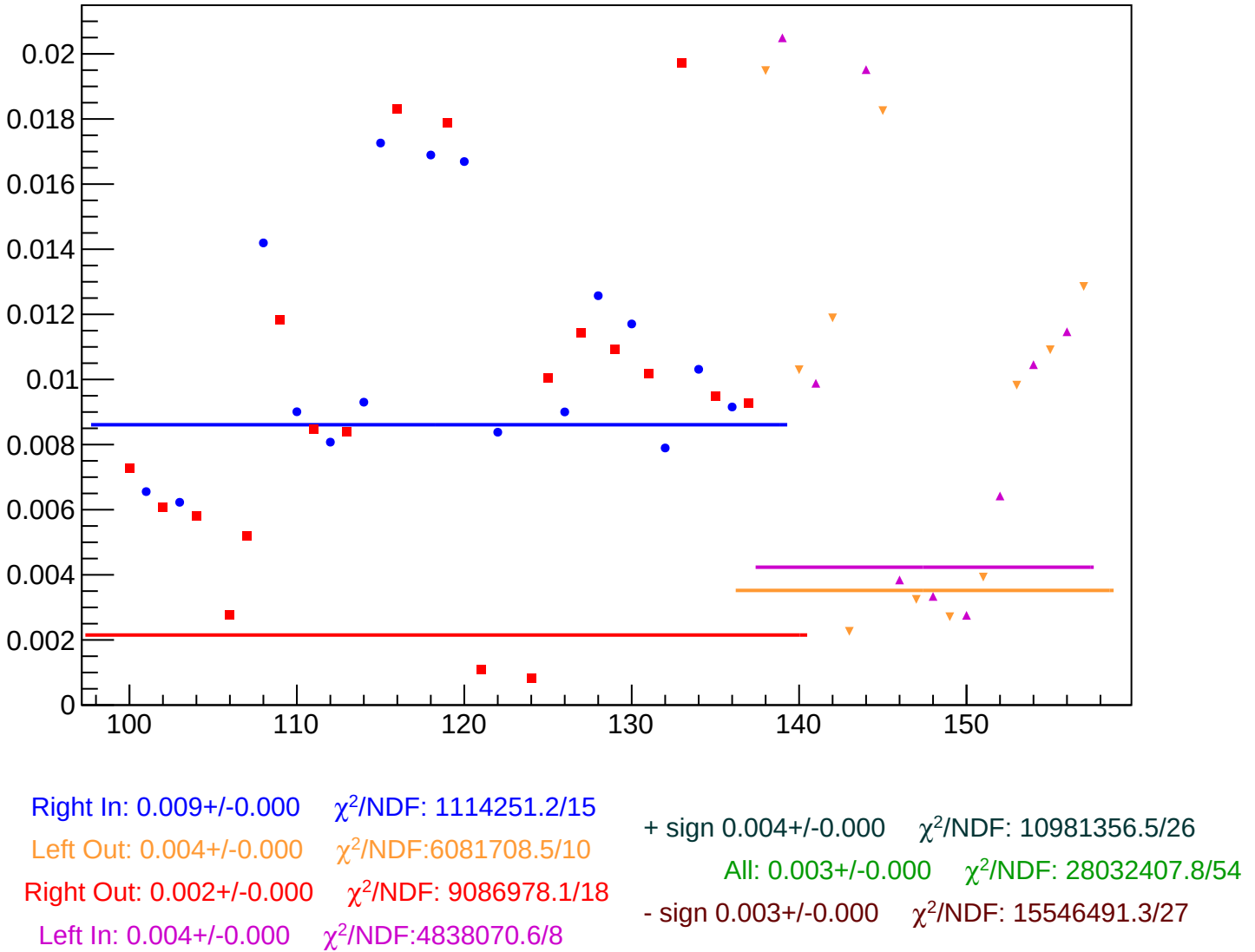
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/8

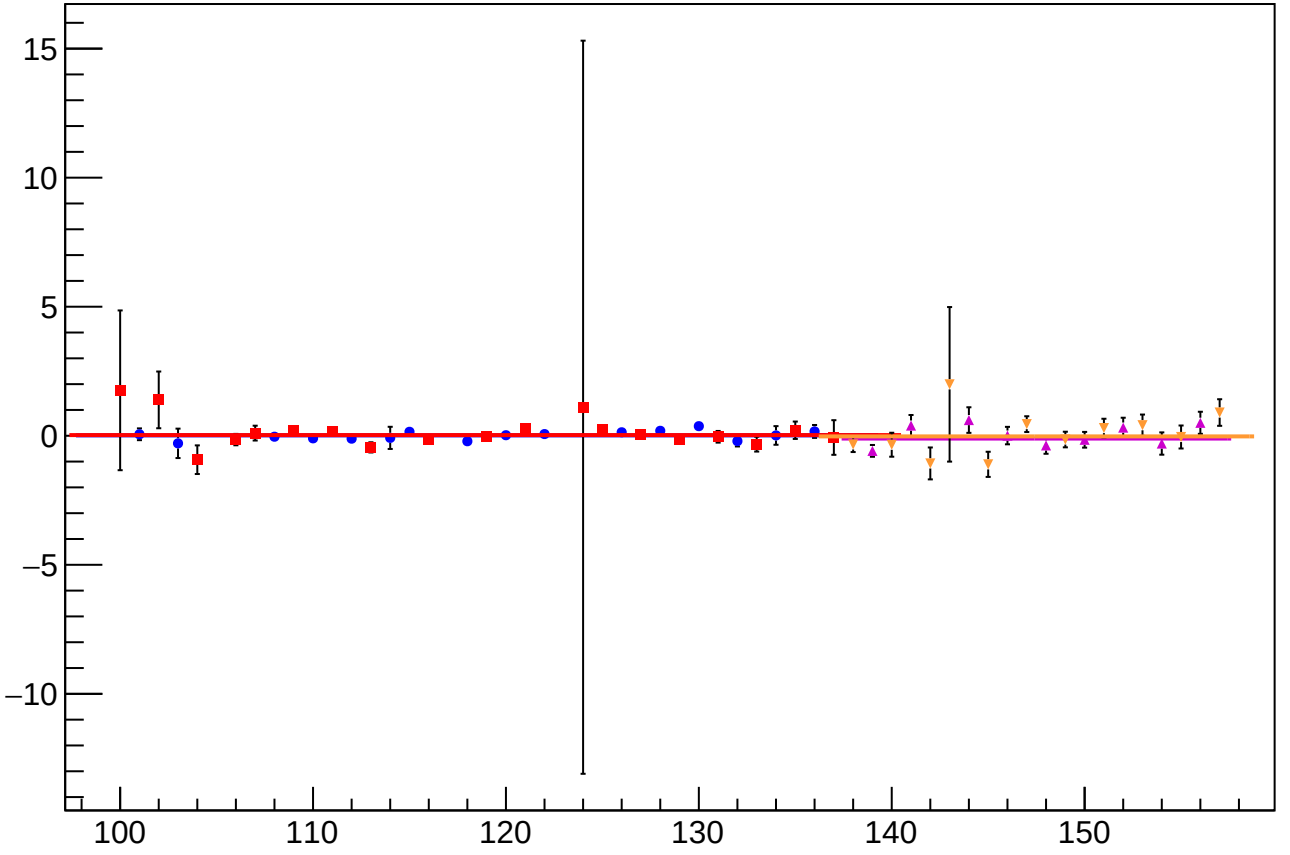
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/26

All: -0.000+/-0.000 χ^2/NDF: 68.6/54

- sign -0.000+/-0.000 χ^2/NDF: 22.7/27


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.004+/-0.000 χ²/NDF:6081708.5/10
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.004+/-0.000 χ²/NDF:4838070.6/8
+ sign 0.004+/-0.000 χ²/NDF: 10981356.5/26
All: 0.003+/-0.000 χ²/NDF: 28032407.8/54
- sign 0.003+/-0.000 χ²/NDF: 15546491.3/27

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

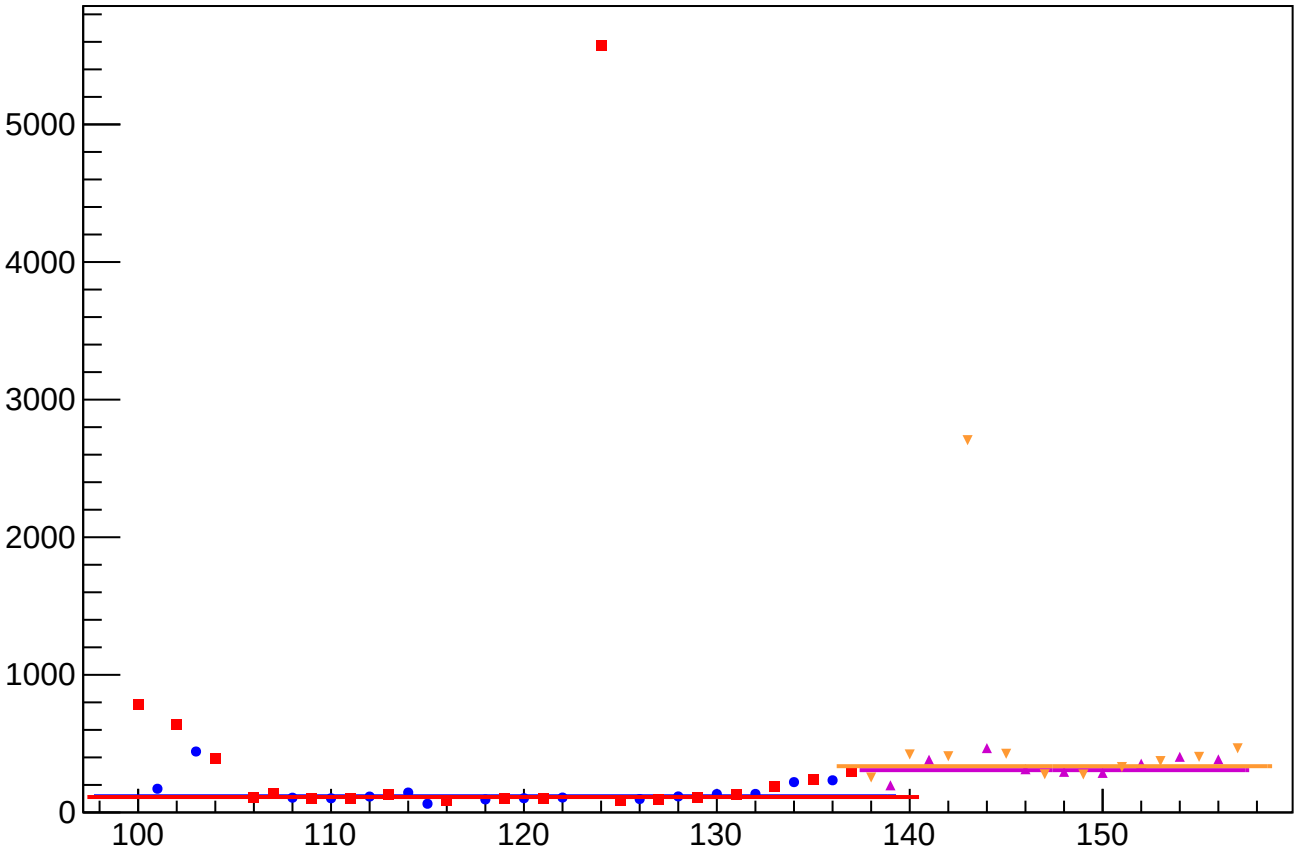
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.109+/-0.115 χ^2/NDF:12.2/8

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.008+/-0.031 χ^2/NDF: 64.9/54

- sign 0.006+/-0.043 χ^2/NDF: 35.5/27



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 336.211+/-0.086 χ^2/NDF:1913229.5/10

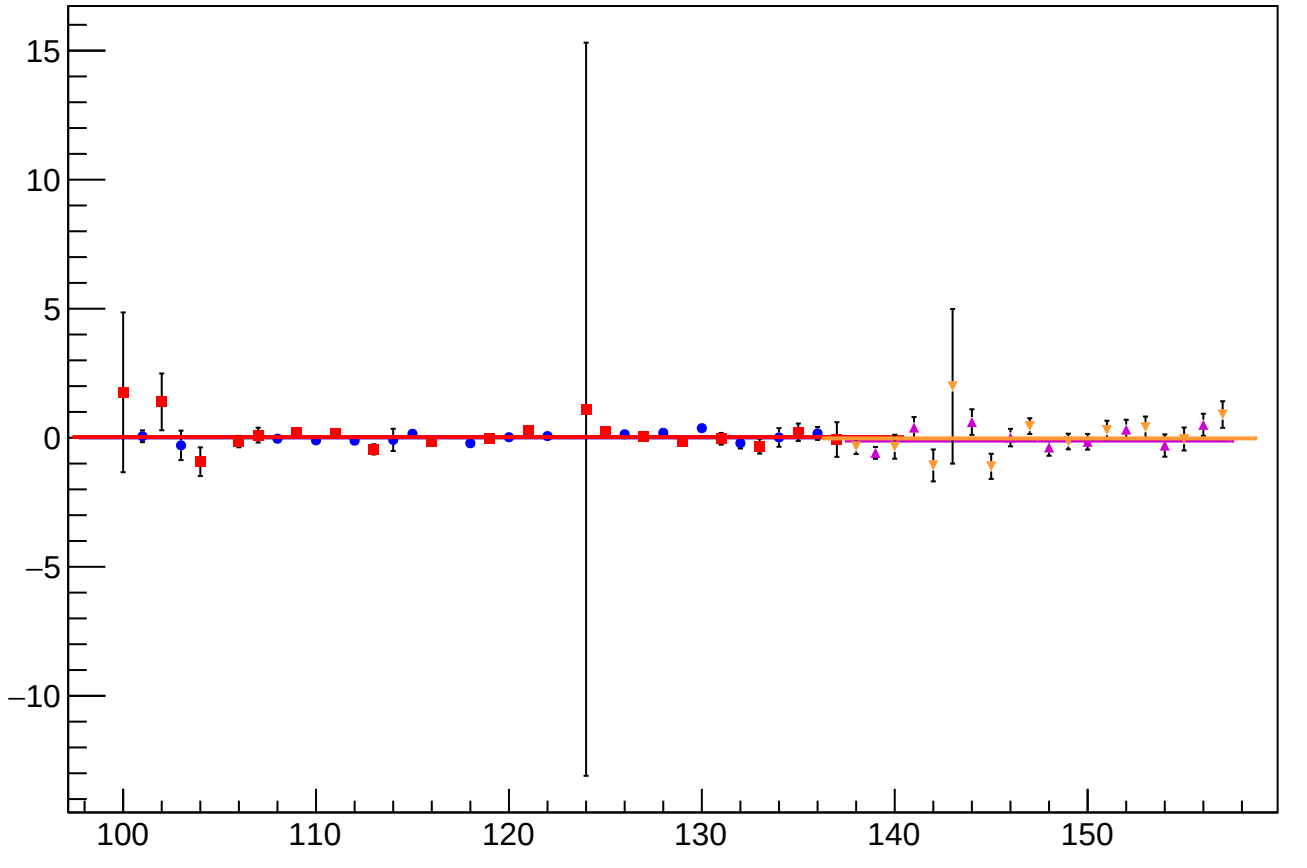
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 307.505+/-0.081 χ^2/NDF:952120.2/8

+ sign 146.776+/-0.032 χ^2/NDF: 9186242.7/26

All: 143.296+/-0.022 χ^2/NDF: 17312784.3/54

- sign 140.003+/-0.031 χ^2/NDF: 8102829.0/27



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.025+/-0.122 χ^2/NDF:17.6/10

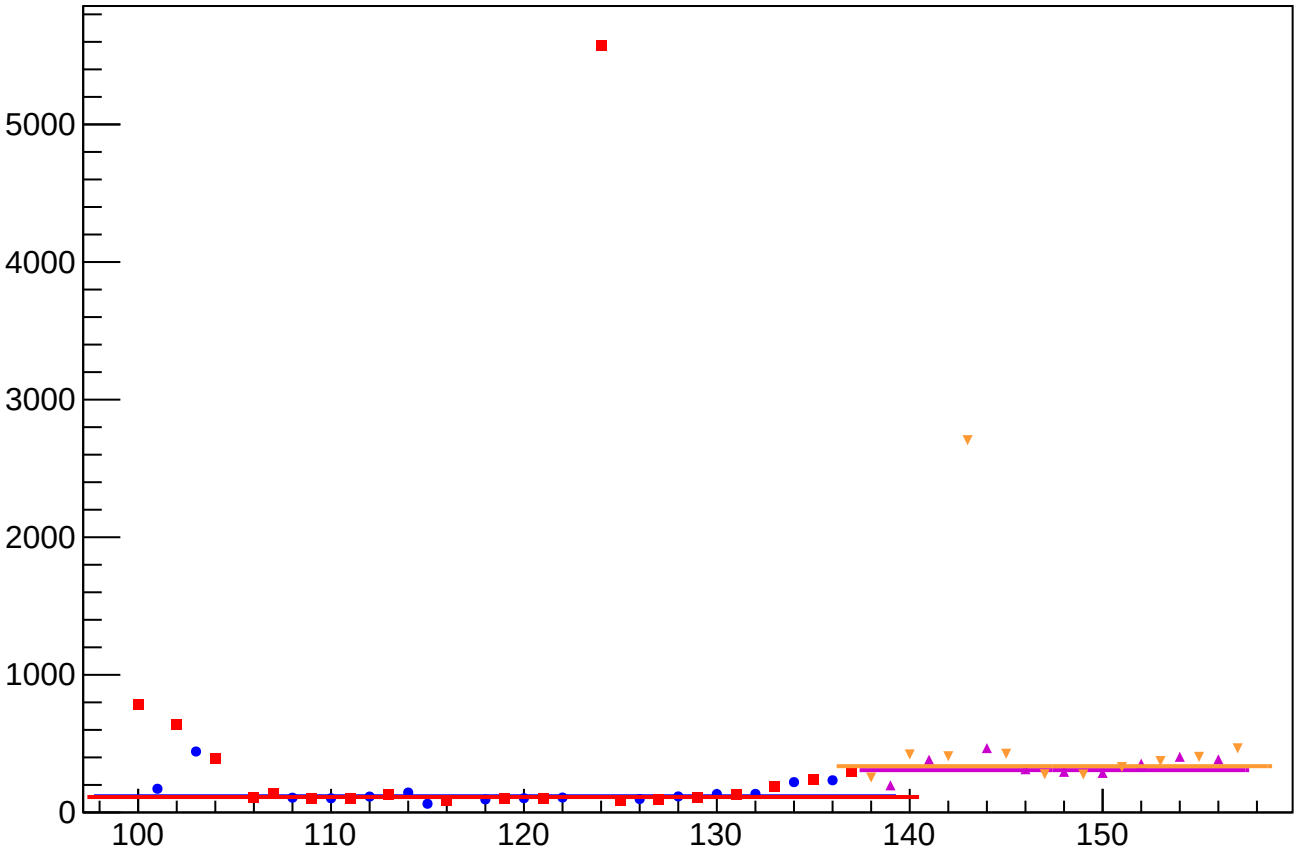
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.109+/-0.115 χ^2/NDF:12.2/8

+ sign 0.010+/-0.045 χ^2/NDF: 29.4/26

All: 0.008+/-0.031 χ^2/NDF: 64.9/54

- sign 0.006+/-0.043 χ^2/NDF: 35.5/27



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 336.211+/-0.086 χ^2/NDF:1913229.5/10

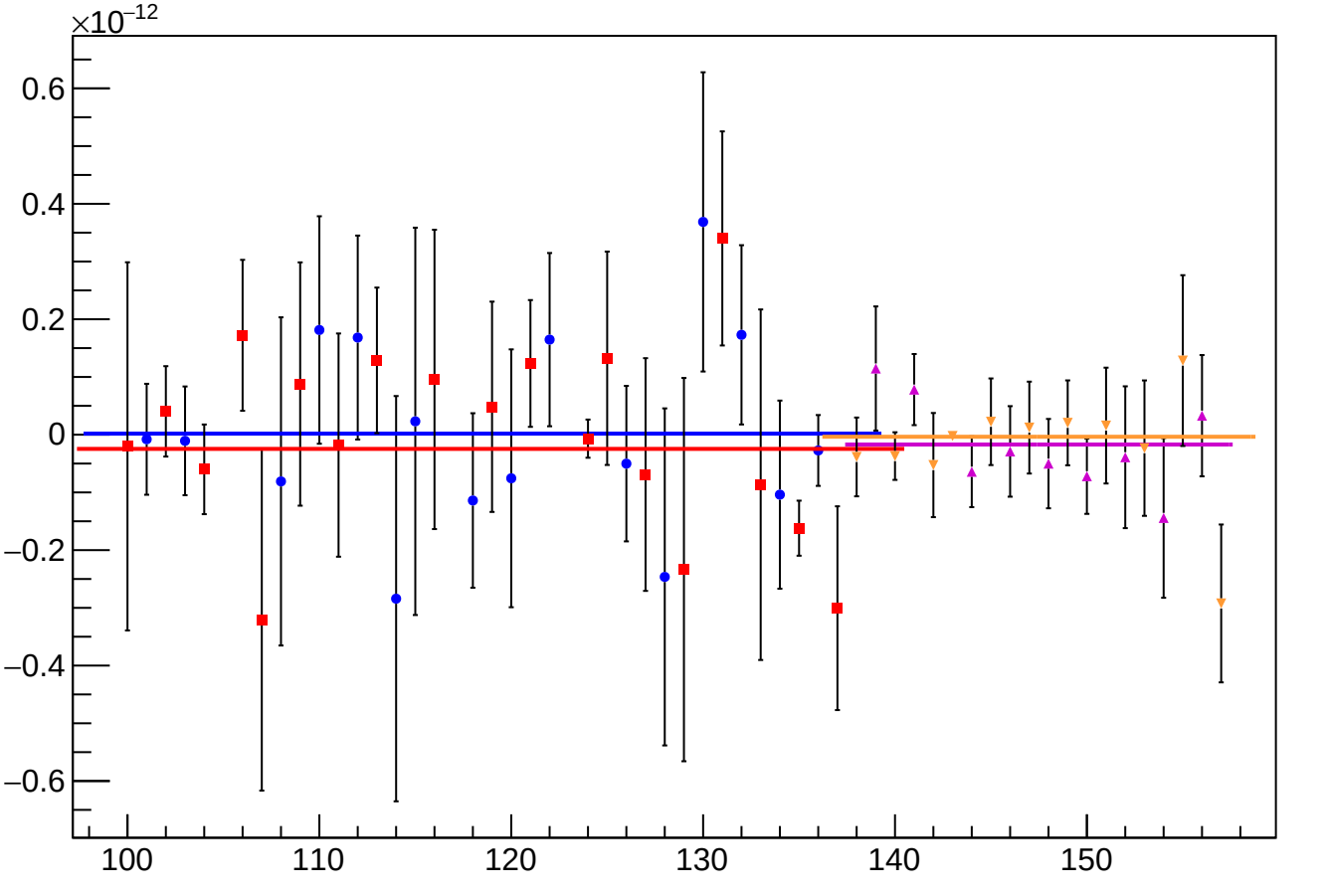
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 307.505+/-0.081 χ^2/NDF:952120.2/8

+ sign 146.776+/-0.032 χ^2/NDF: 9186242.7/26

All: 143.296+/-0.022 χ^2/NDF: 17312784.3/54

- sign 140.003+/-0.031 χ^2/NDF: 8102829.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/10

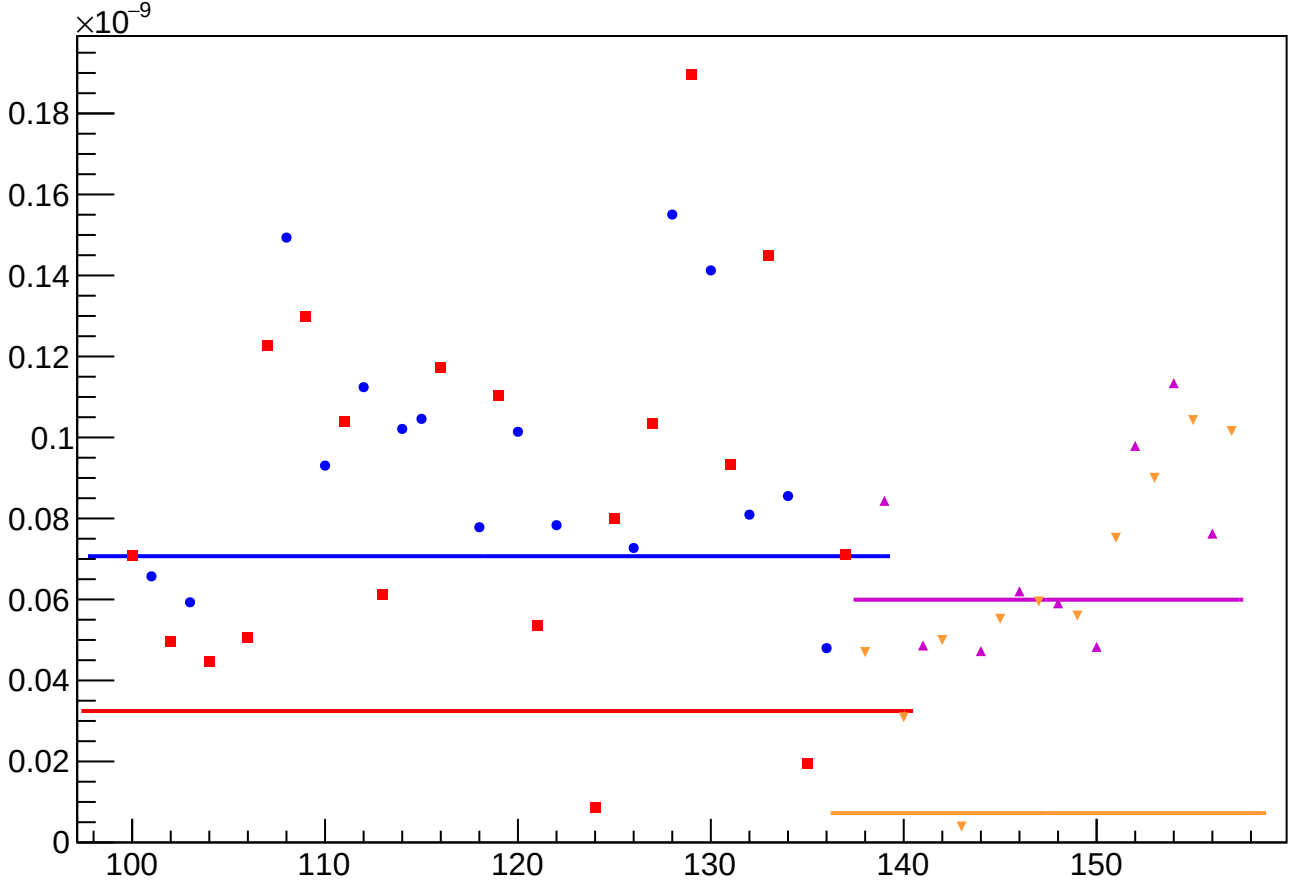
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 16.0/26

All: -0.000+/-0.000 χ^2/NDF: 47.8/54

- sign -0.000+/-0.000 χ^2/NDF: 30.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8572858.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

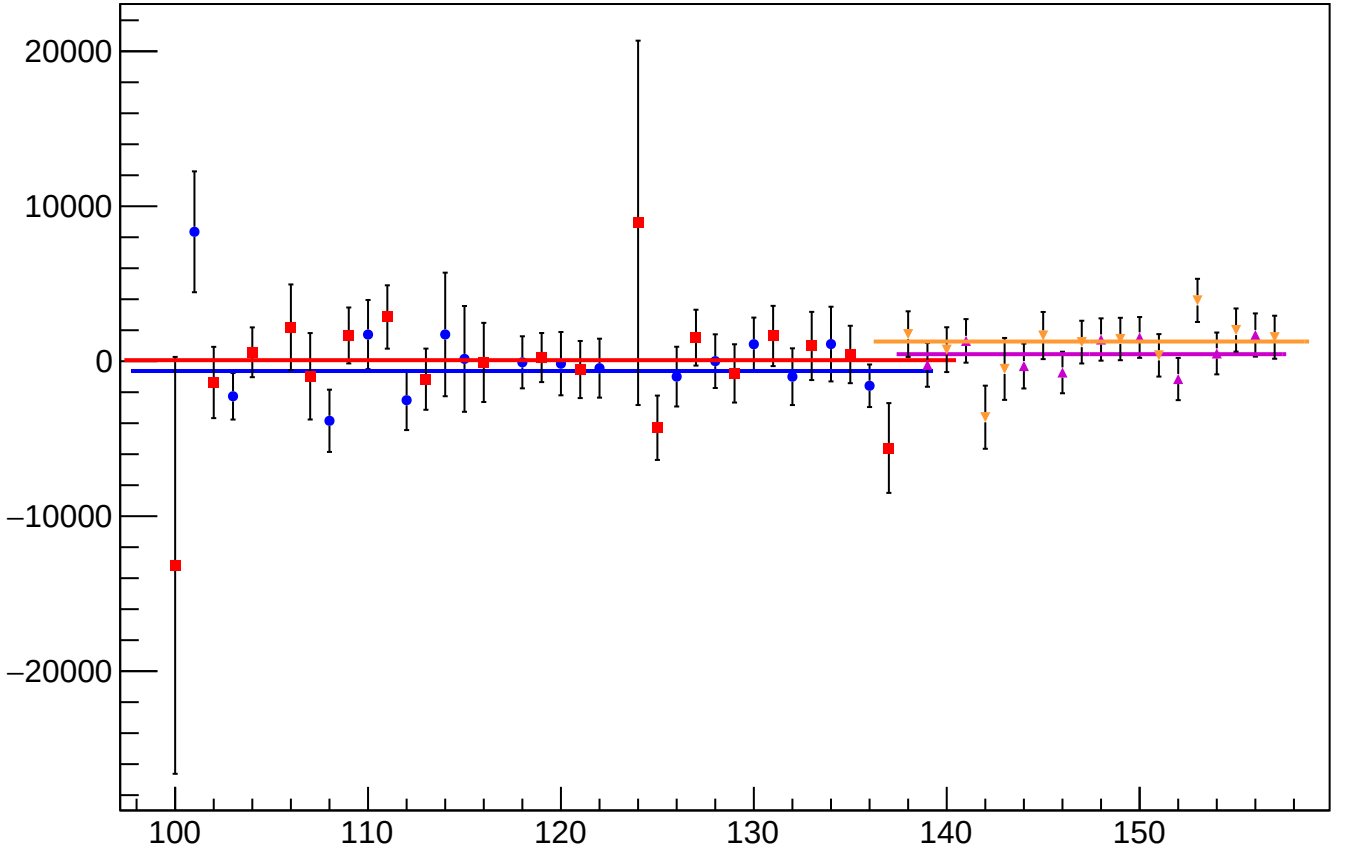
Left In: 0.000+/-0.000 χ^2/NDF:859728.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 16153860.1/26

All: 0.000+/-0.000 χ^2/NDF: 29865870.0/54

- sign 0.000+/-0.000 χ^2/NDF: 6581089.5/27

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

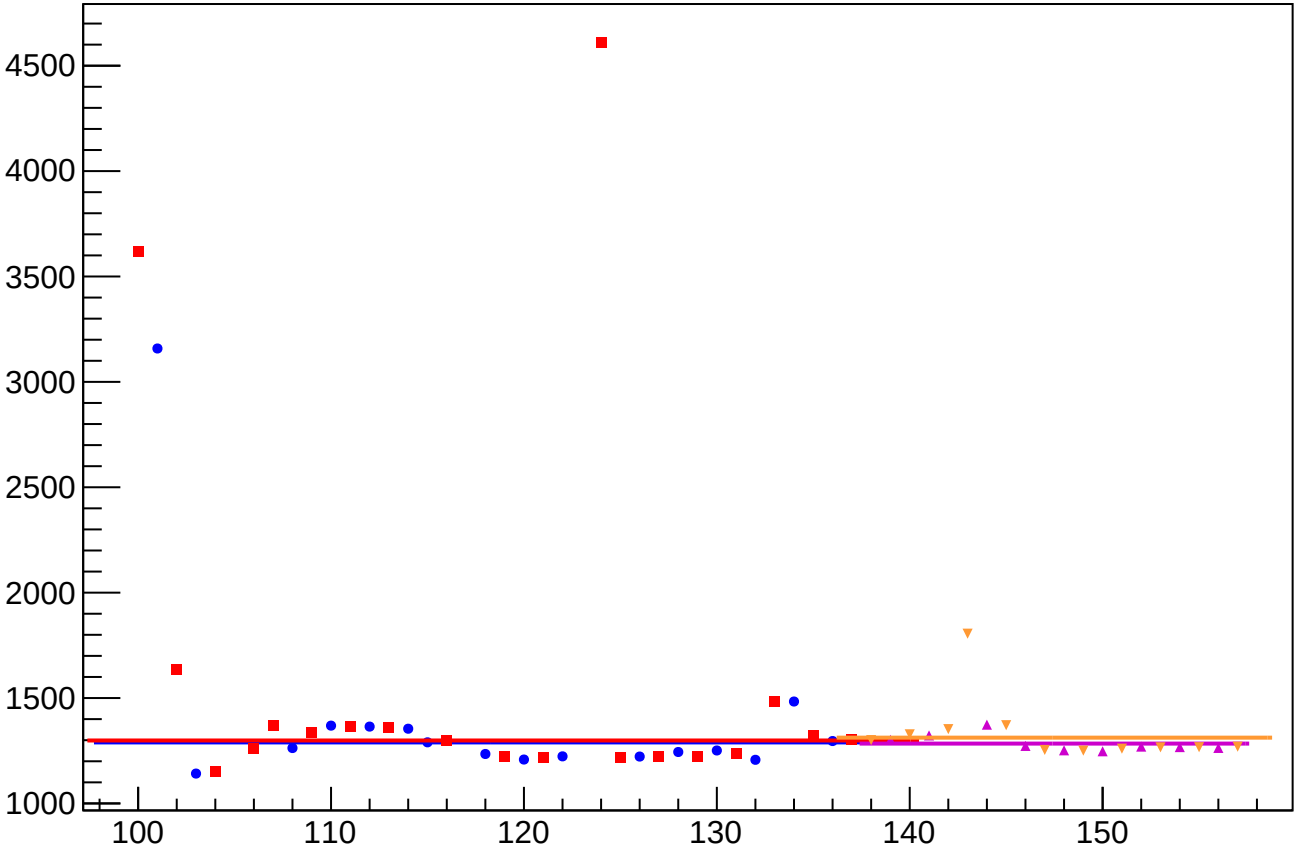
Left In: 454.527+/-458.666 χ^2/NDF:5.0/8

+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 339.866+/-234.717 χ^2/NDF: 54.7/54

- sign 272.967+/-334.138 χ^2/NDF: 21.2/27

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

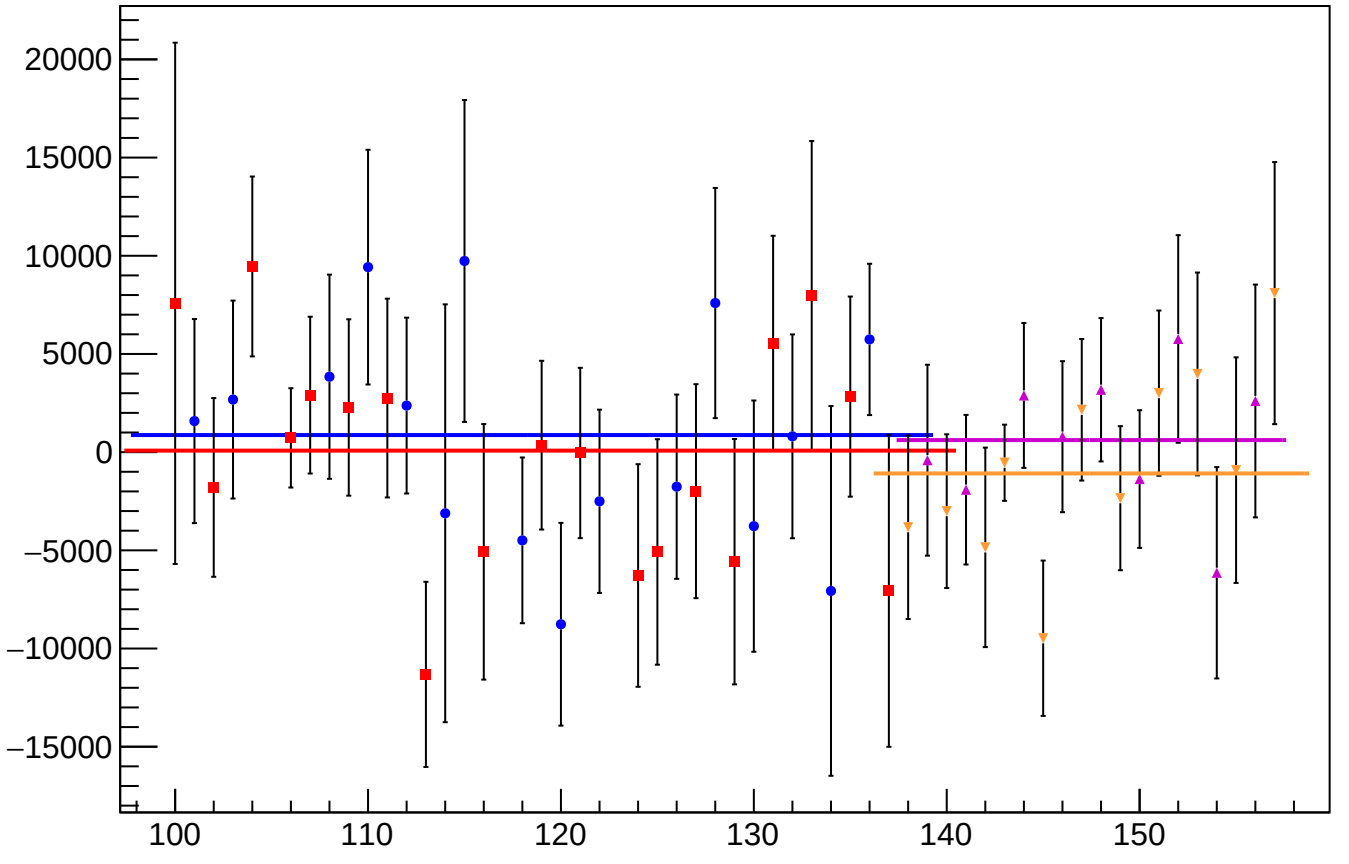
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.387+/-0.166 χ^2/NDF: 994459.7/54

- sign 1290.845+/-0.236 χ^2/NDF: 333600.8/27



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

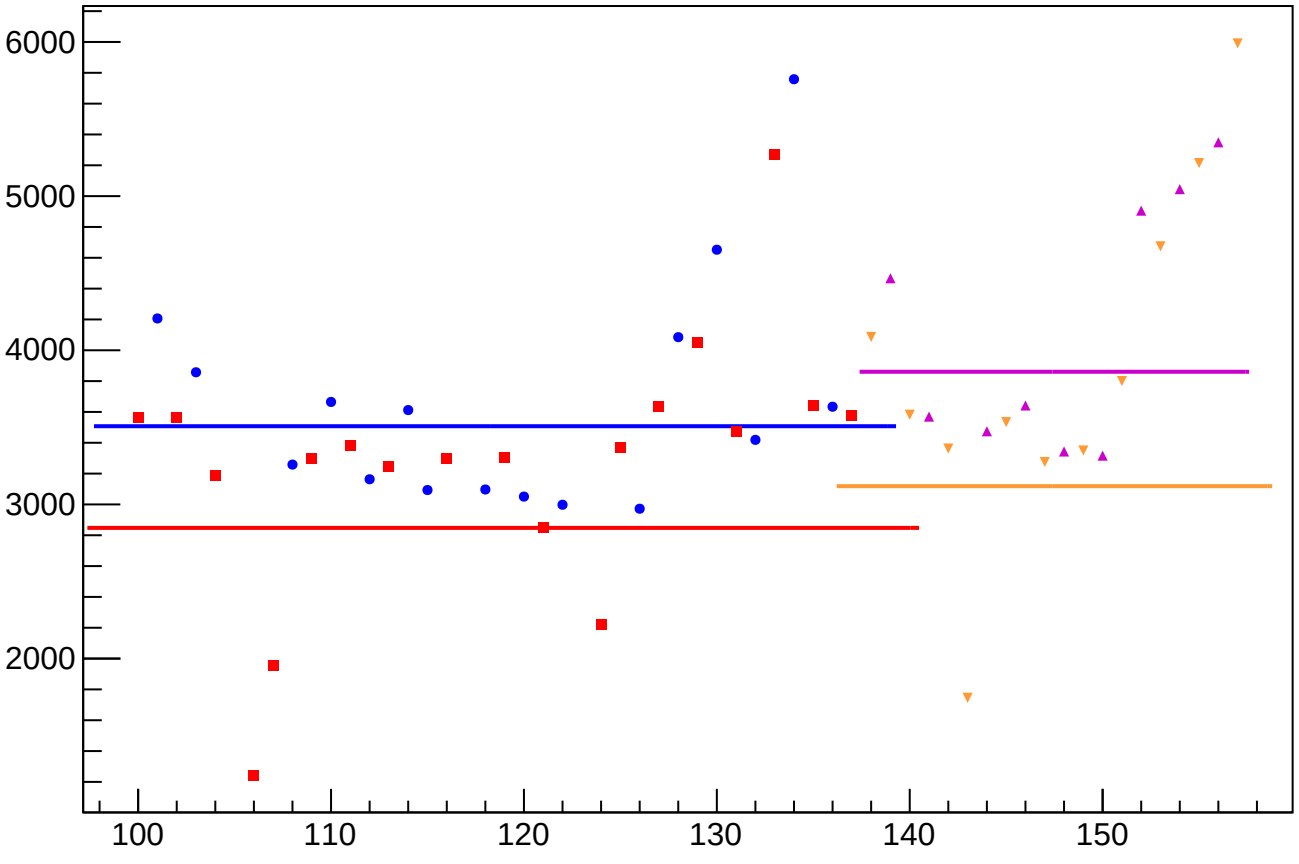
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 613.837+/-1403.529 χ^2/NDF:4.3/8

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 9.808+/-612.597 χ^2/NDF: 48.7/54

- sign 284.015+/-871.149 χ^2/NDF: 22.8/27



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

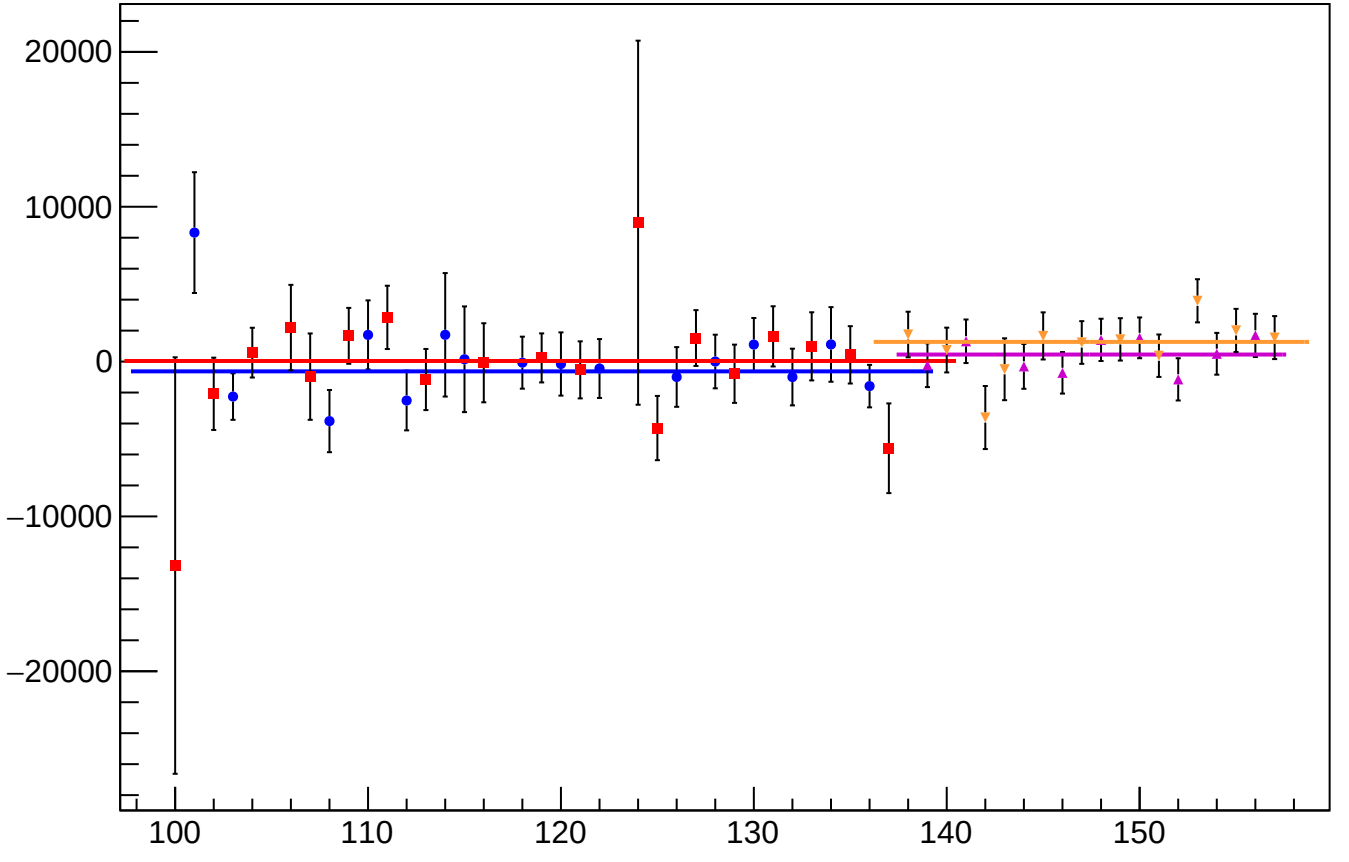
Left In: 3860.635+/-0.992 χ^2/NDF:460841.9/8

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3260.680+/-0.433 χ^2/NDF: 5081242.5/54

- sign 3238.014+/-0.616 χ^2/NDF: 2600444.3/27

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

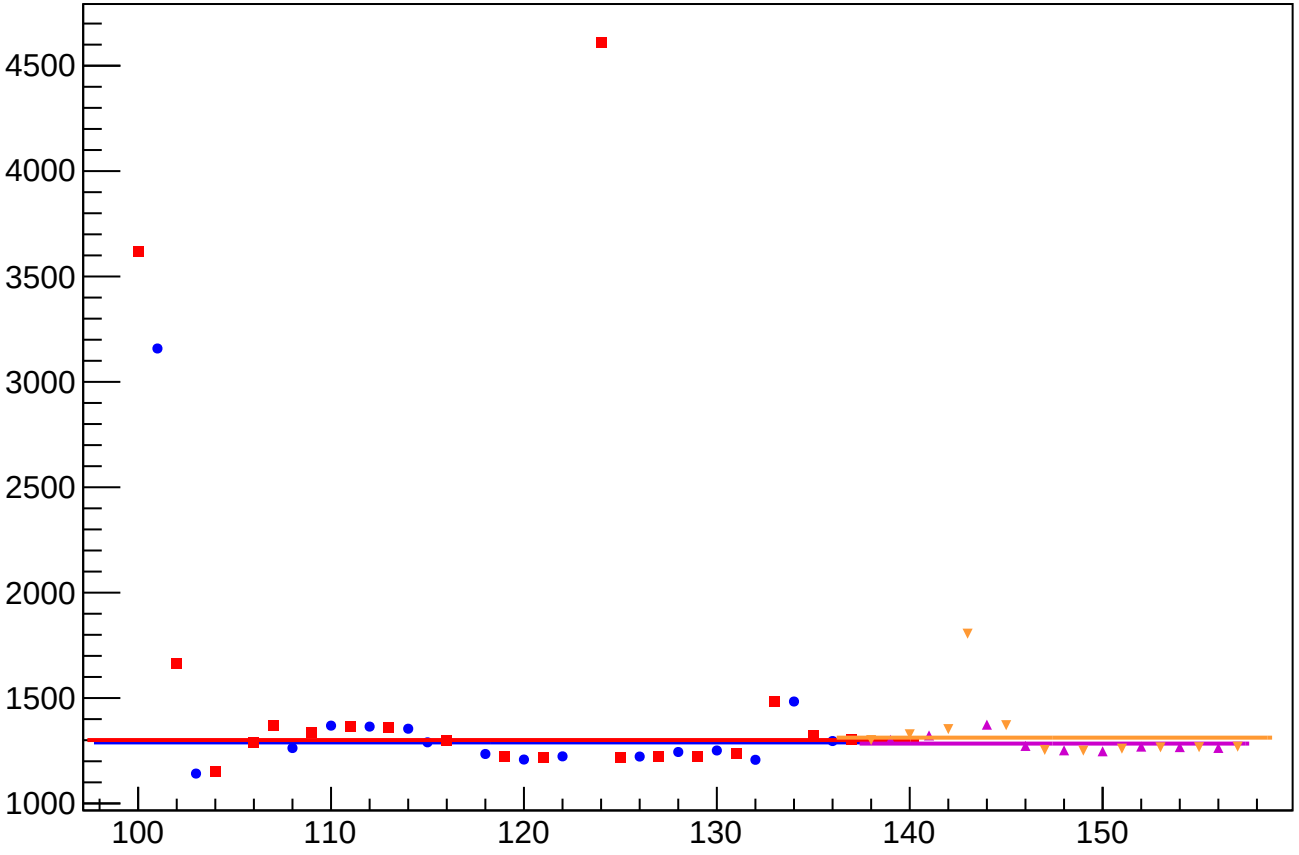
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

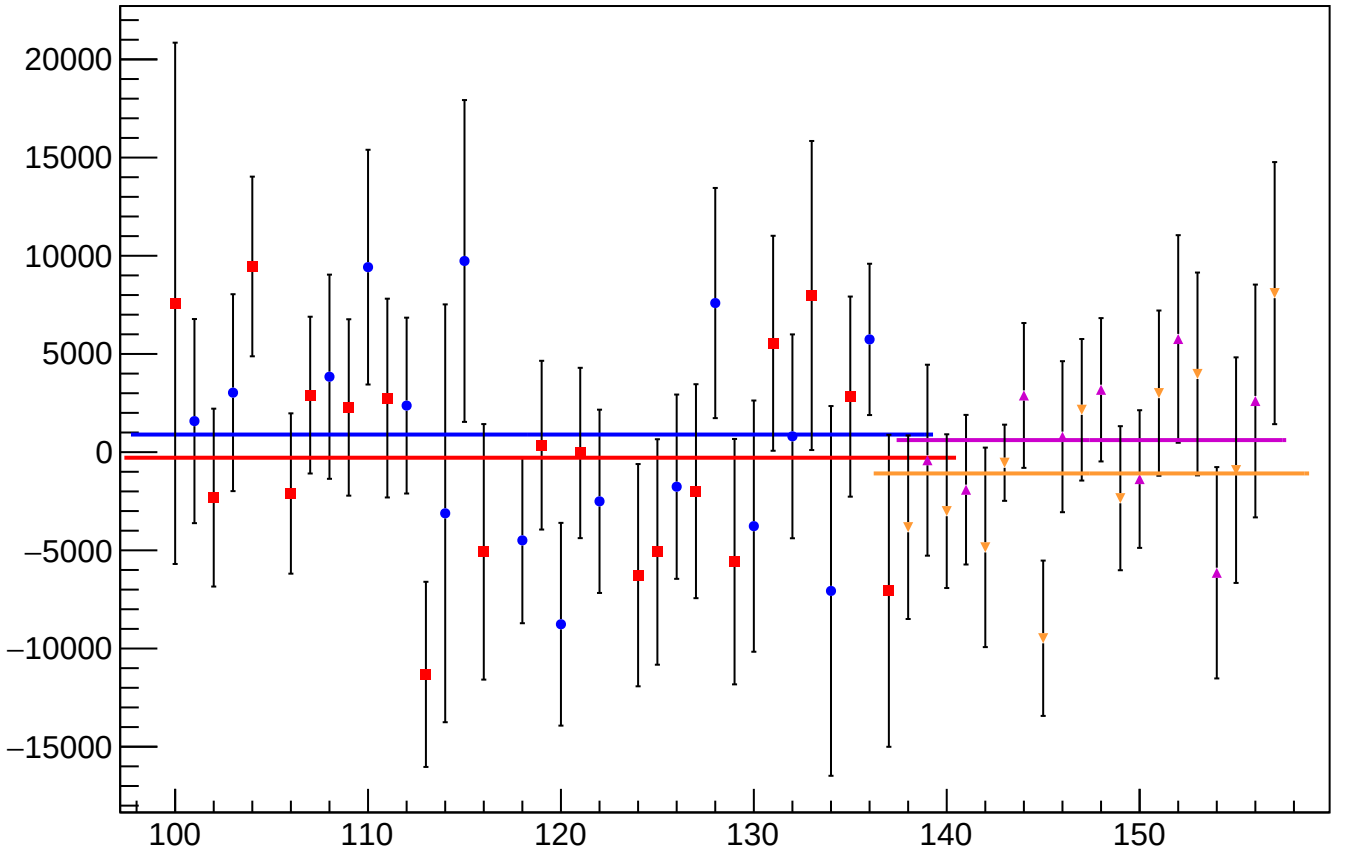
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

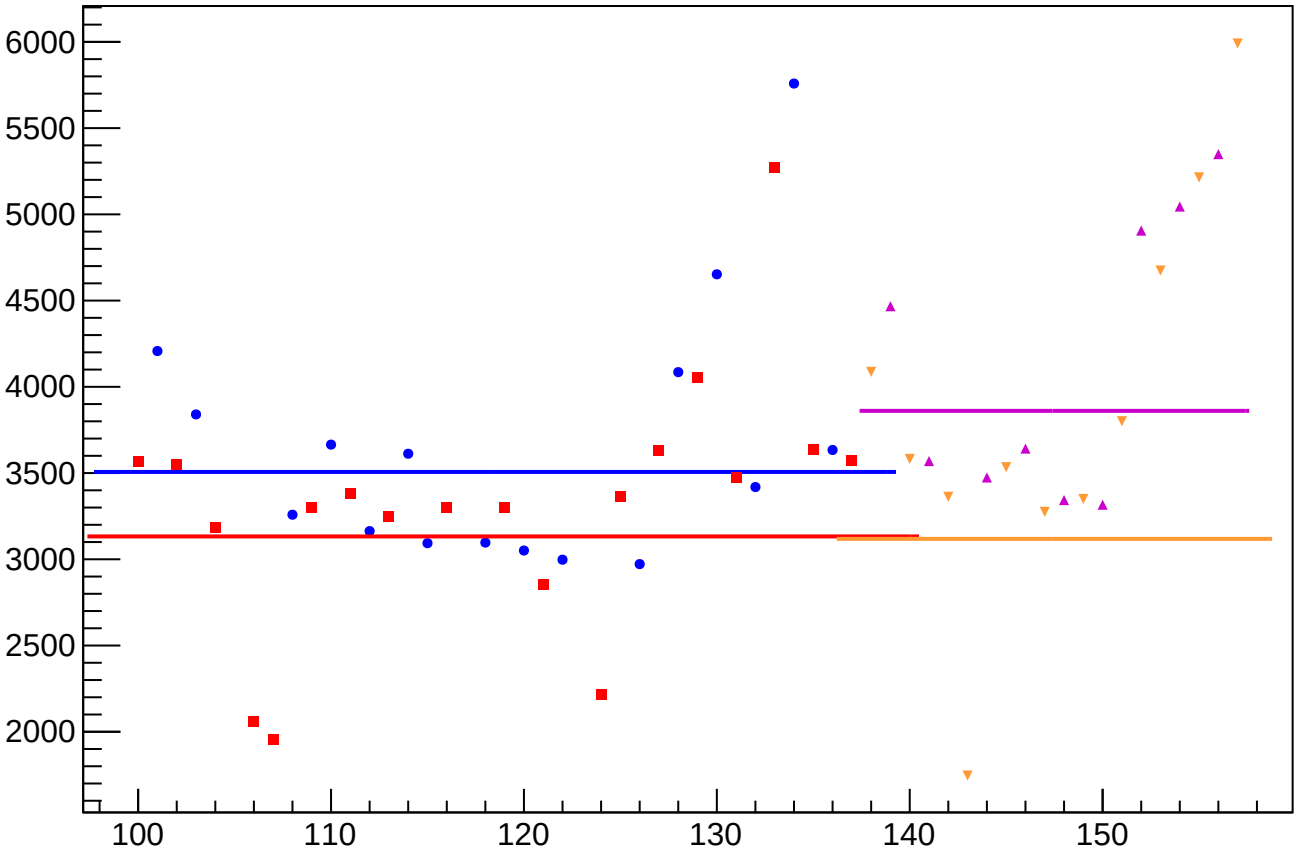
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 613.900+/-1403.527 χ^2/NDF:4.3/8

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -87.284+/-623.856 χ^2/NDF: 49.1/54

- sign 89.033+/-904.623 χ^2/NDF: 23.2/27



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

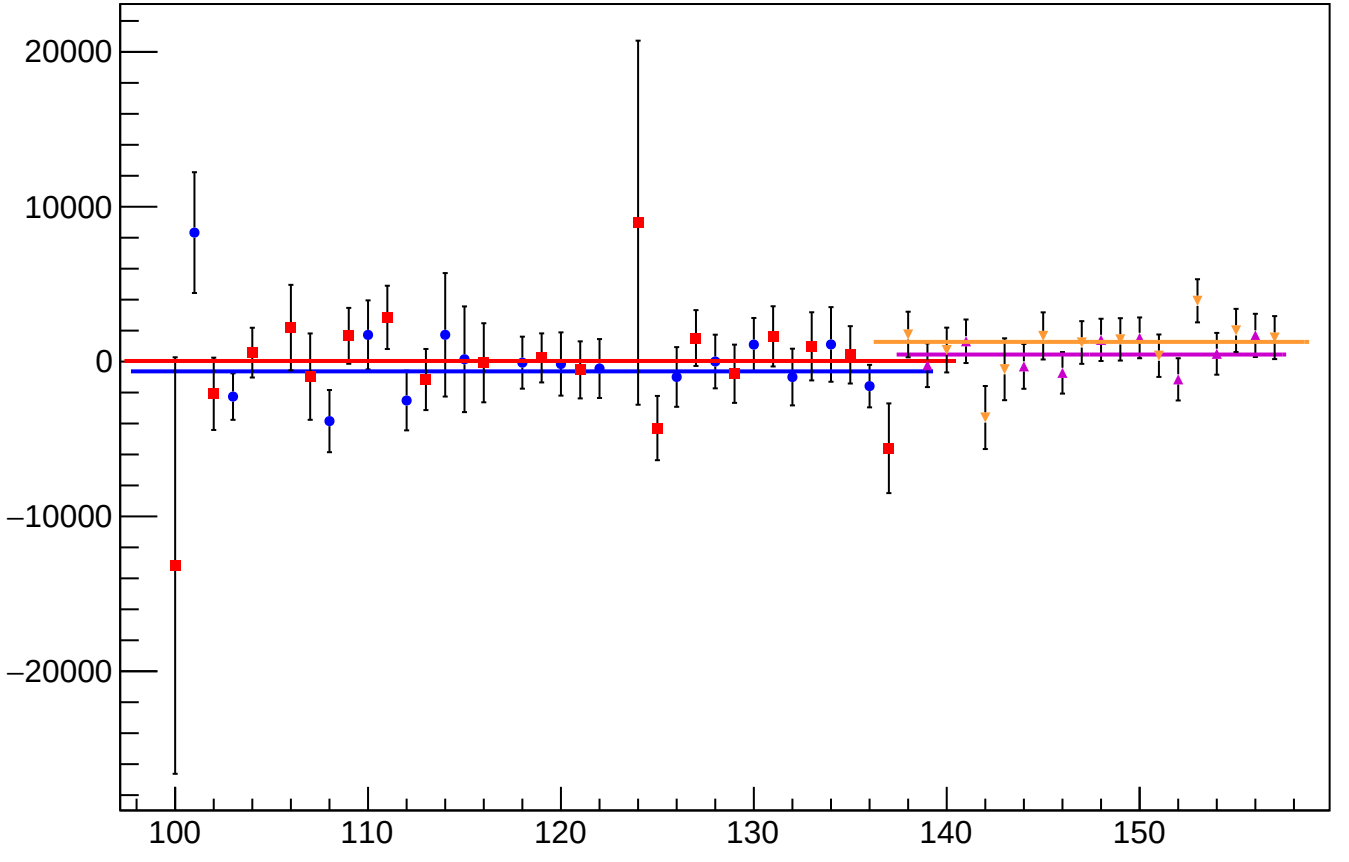
Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

\- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

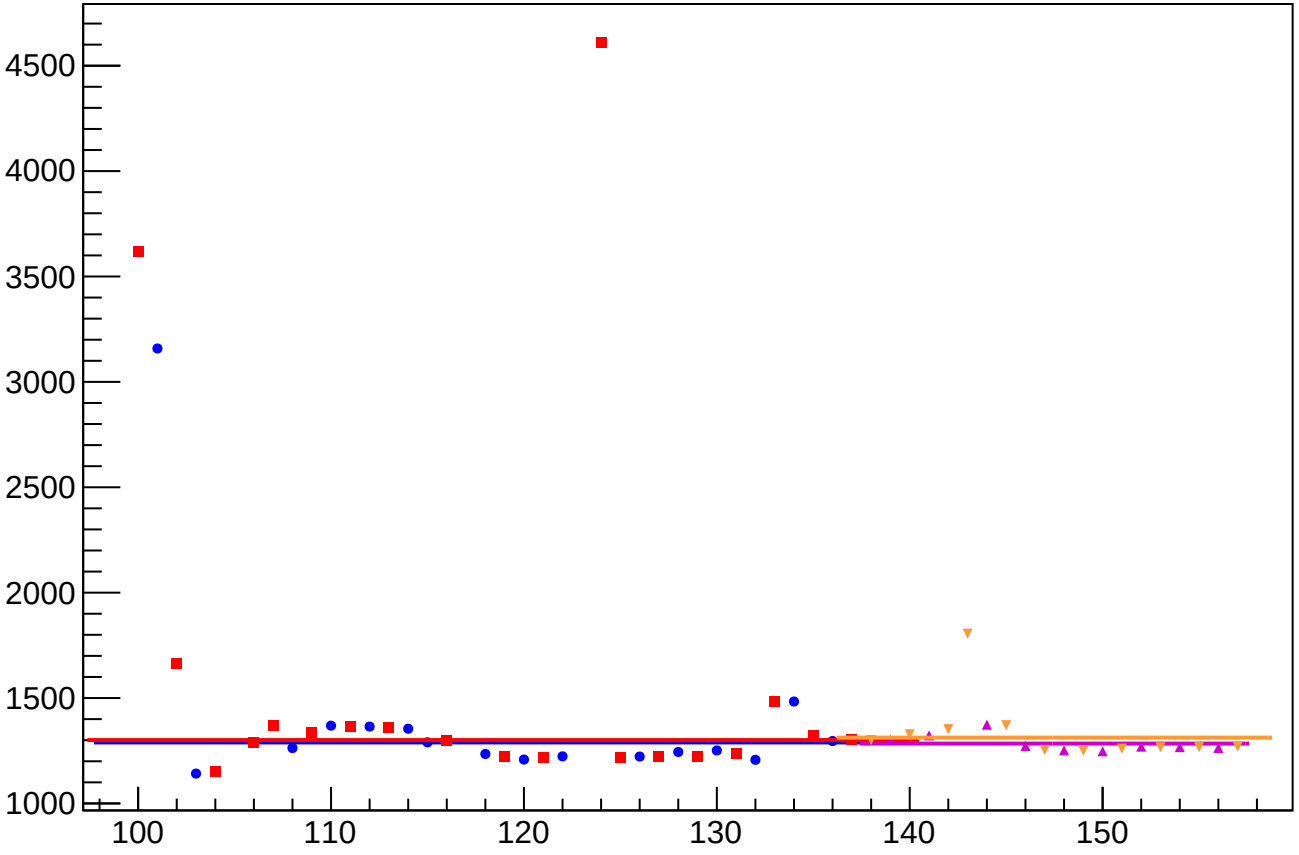
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

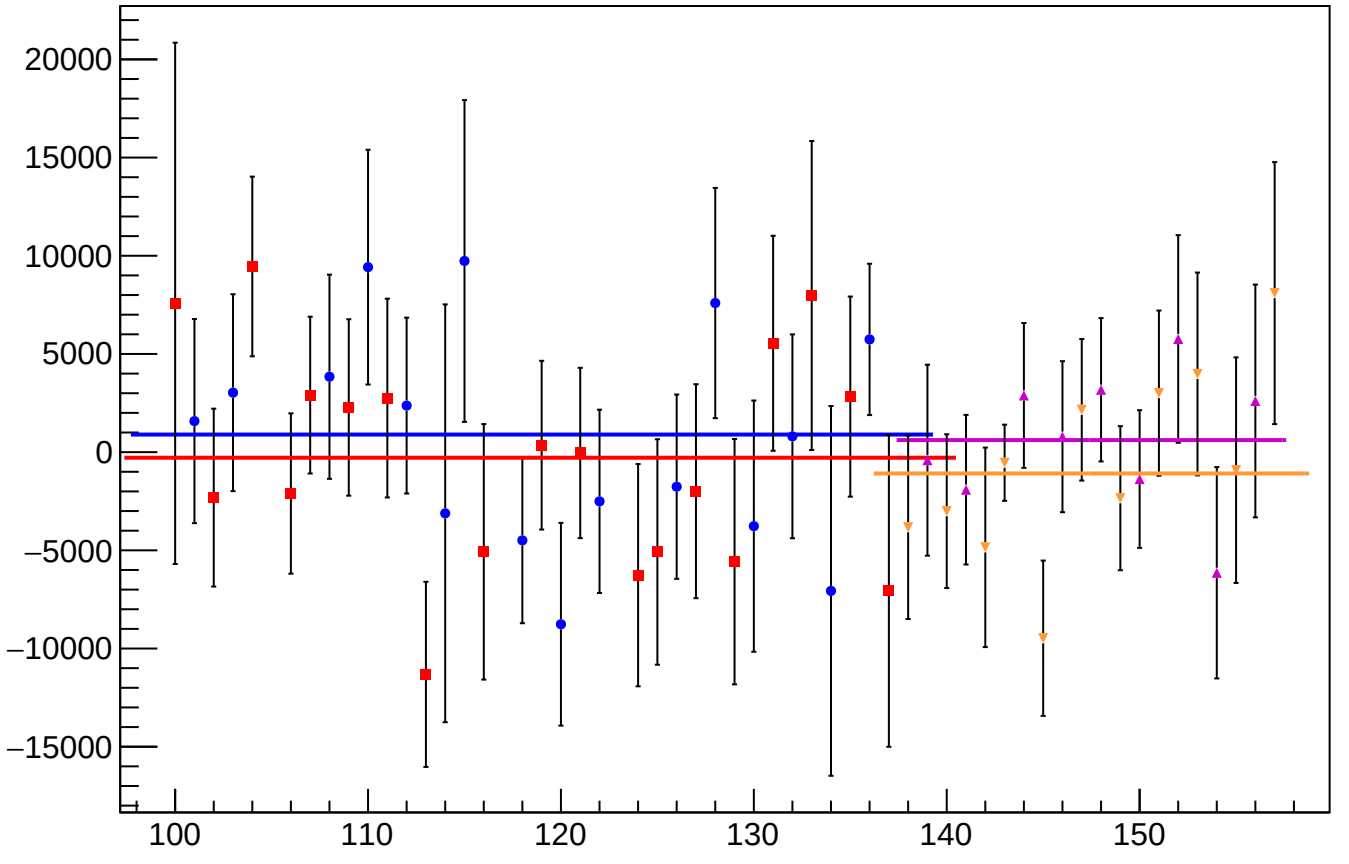
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

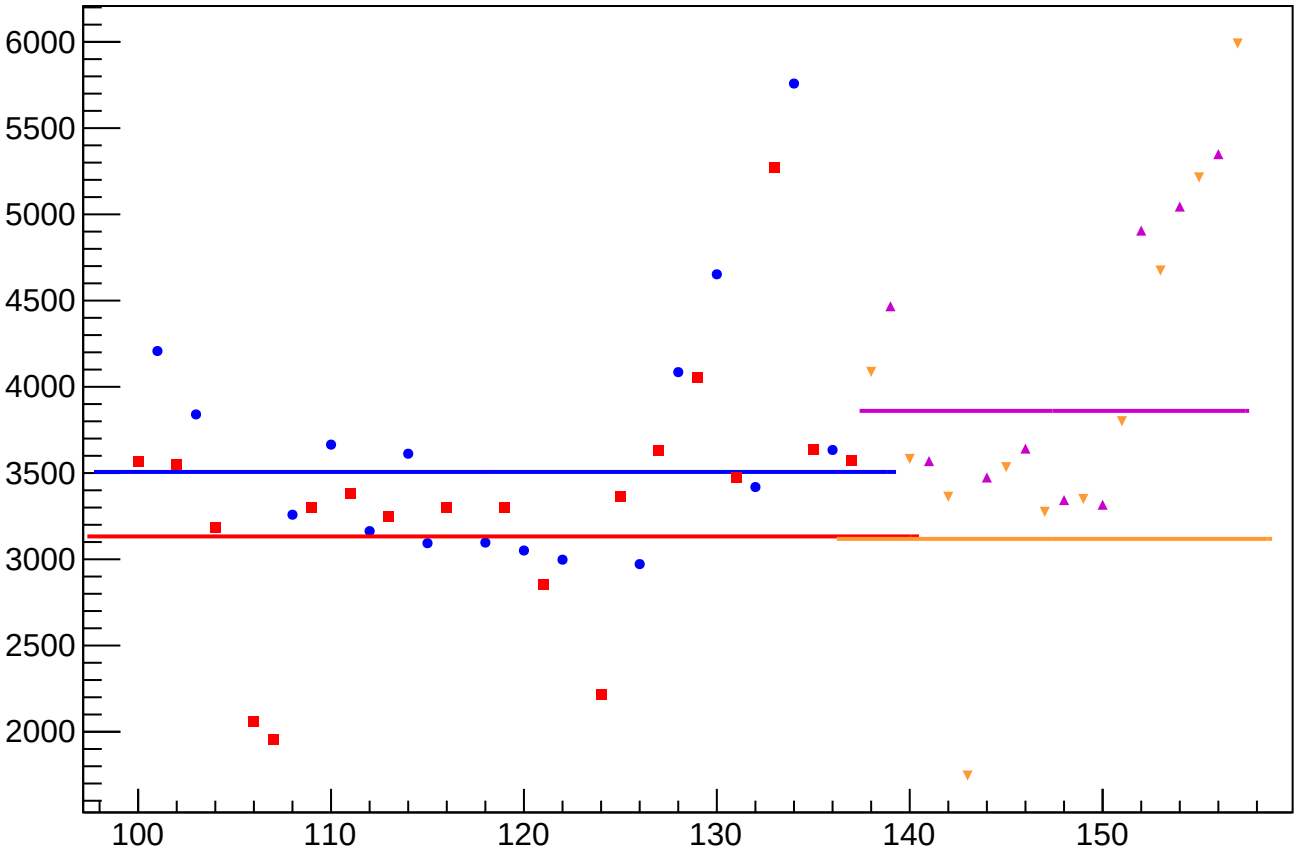
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 613.900+/-1403.527 χ^2/NDF:4.3/8

\+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -87.284+/-623.856 χ^2/NDF: 49.1/54

\- sign 89.033+/-904.623 χ^2/NDF: 23.2/27



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

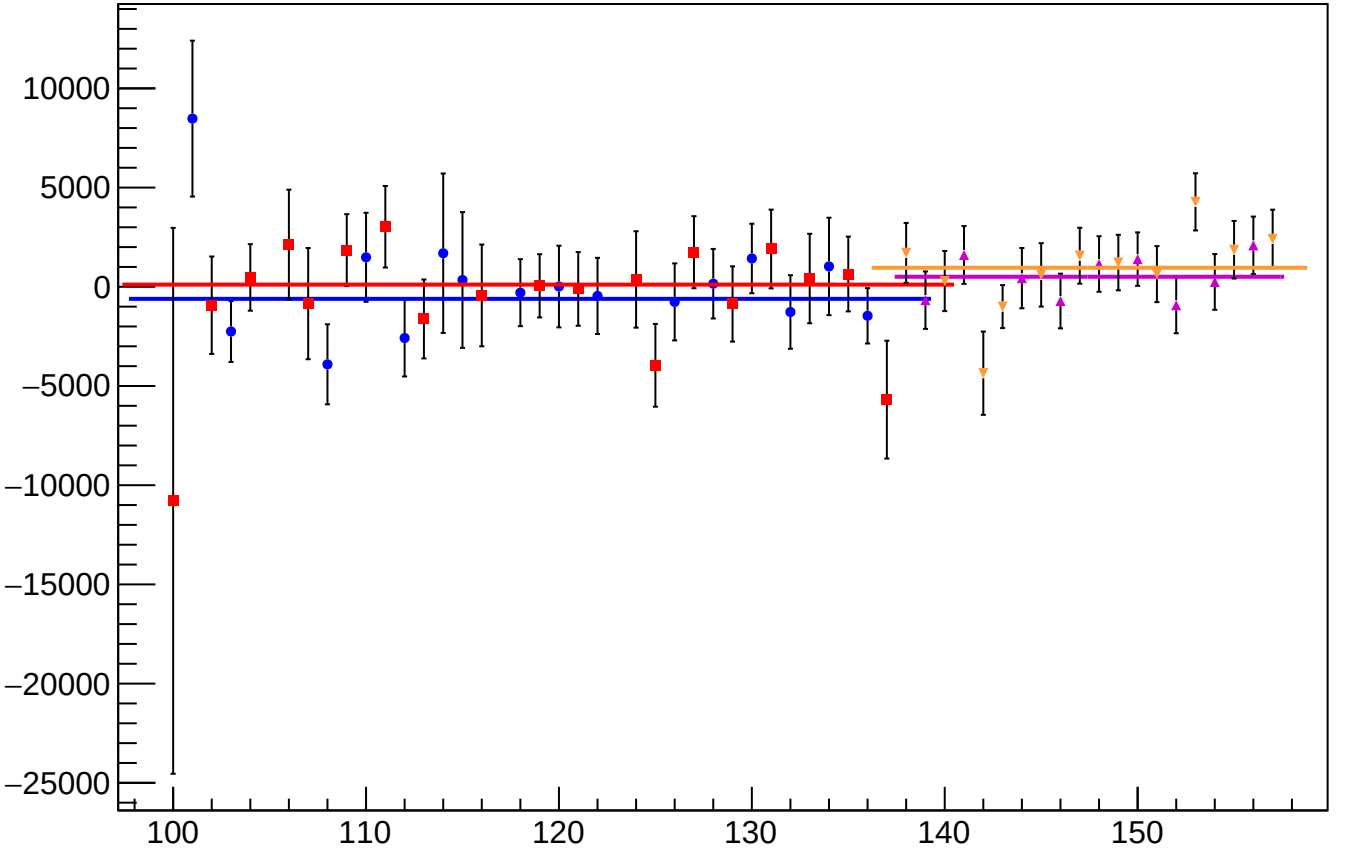
Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

\- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

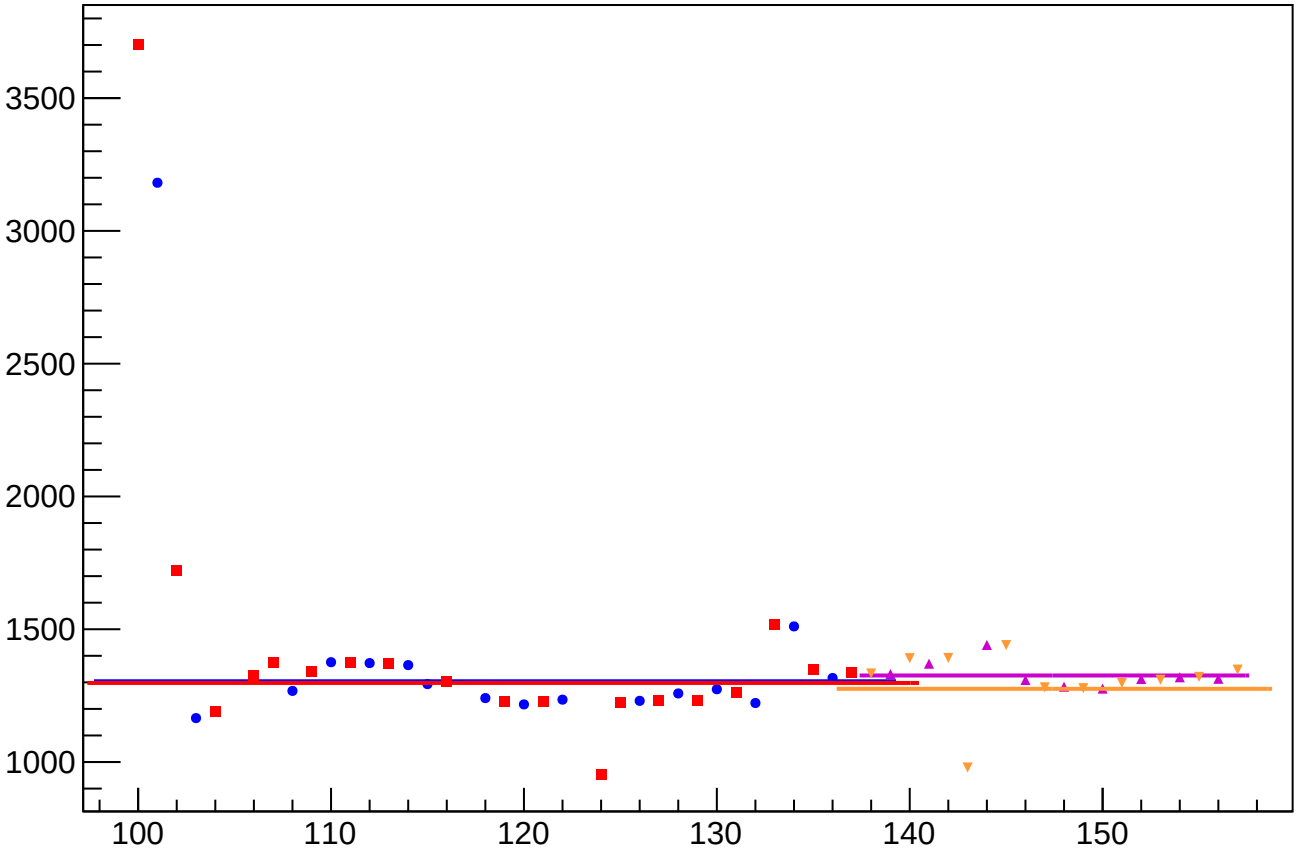
Left In: 505.192+/-473.786 χ^2/NDF:4.9/8

+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 292.513+/-235.252 χ^2/NDF: 57.0/54

- sign 311.766+/-339.101 χ^2/NDF: 20.1/27

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

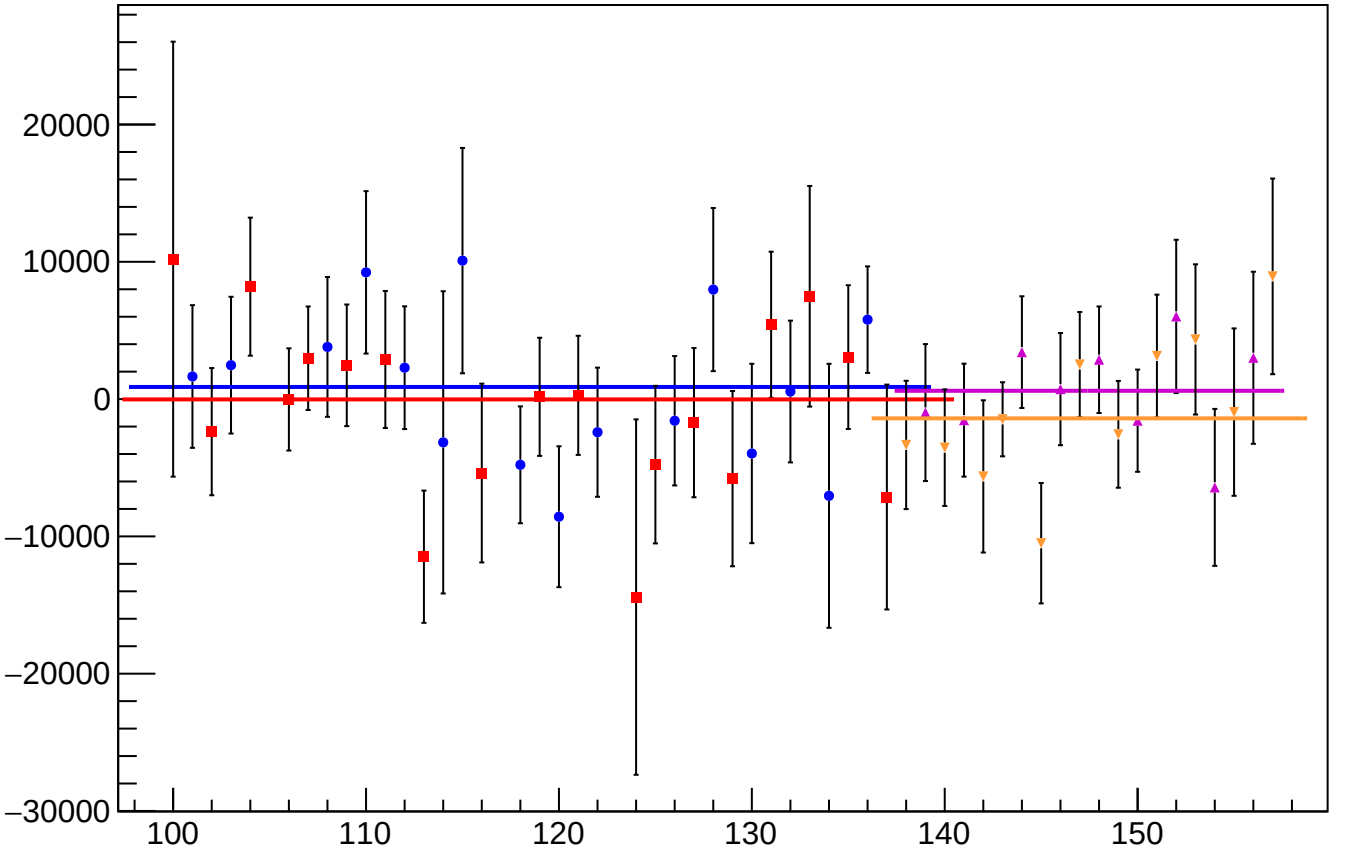
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.912+/-0.335 χ^2/NDF:18549.3/8

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1299.705+/-0.166 χ^2/NDF: 954393.9/54

- sign 1312.188+/-0.240 χ^2/NDF: 235084.0/27



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

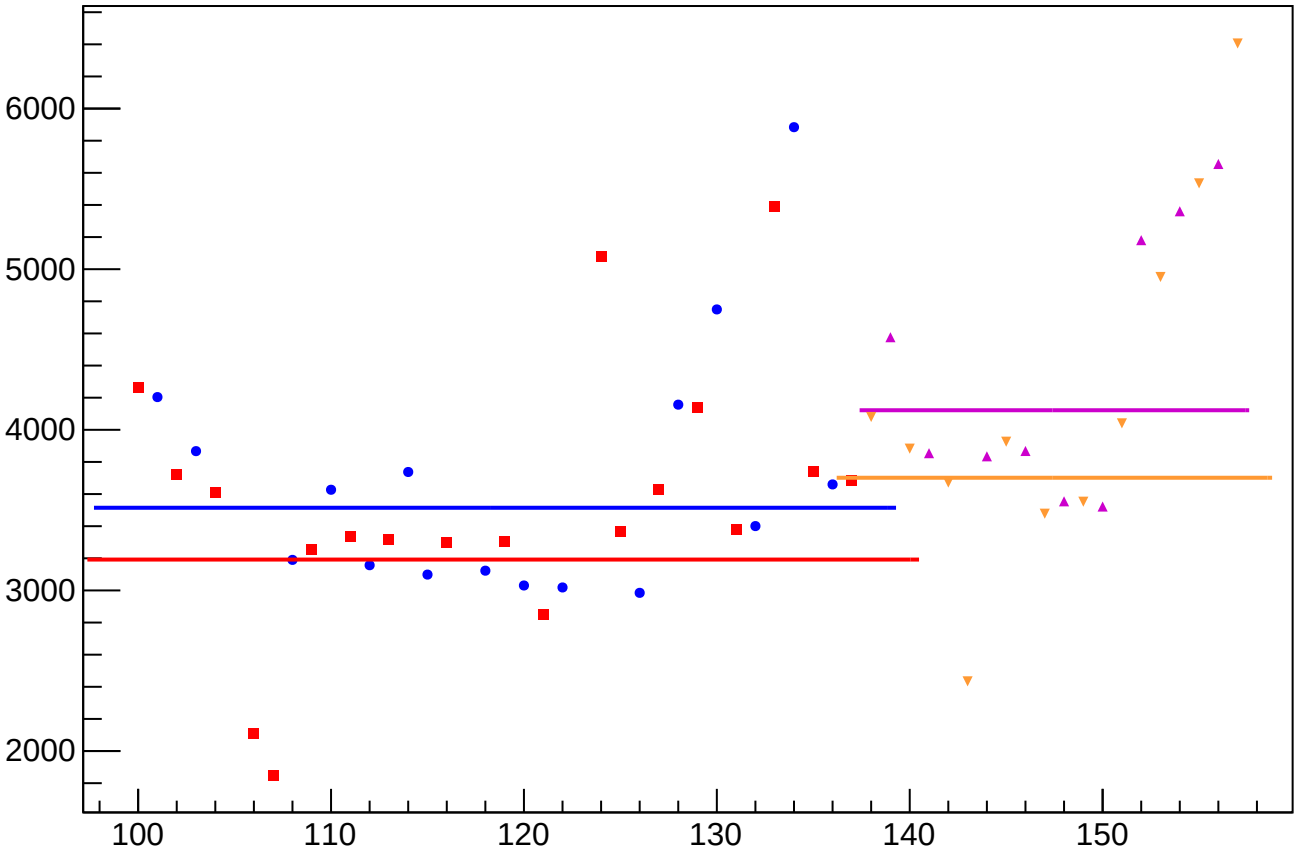
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 605.876+/-1496.897 χ^2/NDF:4.1/8

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.920+/-659.959 χ^2/NDF: 47.5/54

- sign 224.450+/-936.292 χ^2/NDF: 21.1/27



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

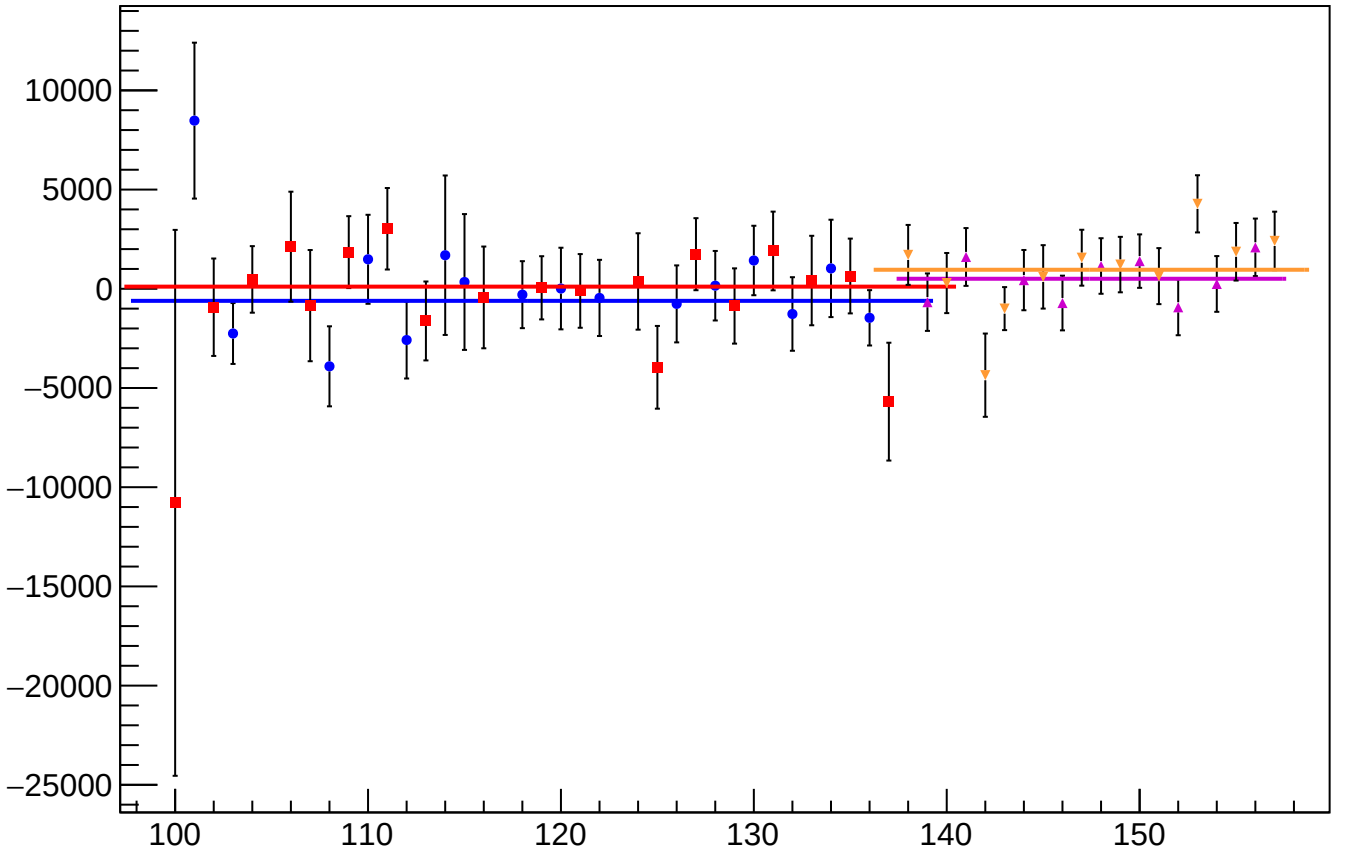
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4121.849+/-1.058 χ^2/NDF:422854.0/8

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3583.018+/-0.467 χ^2/NDF: 3121605.1/54

- sign 3555.914+/-0.662 χ^2/NDF: 1664951.2/27



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

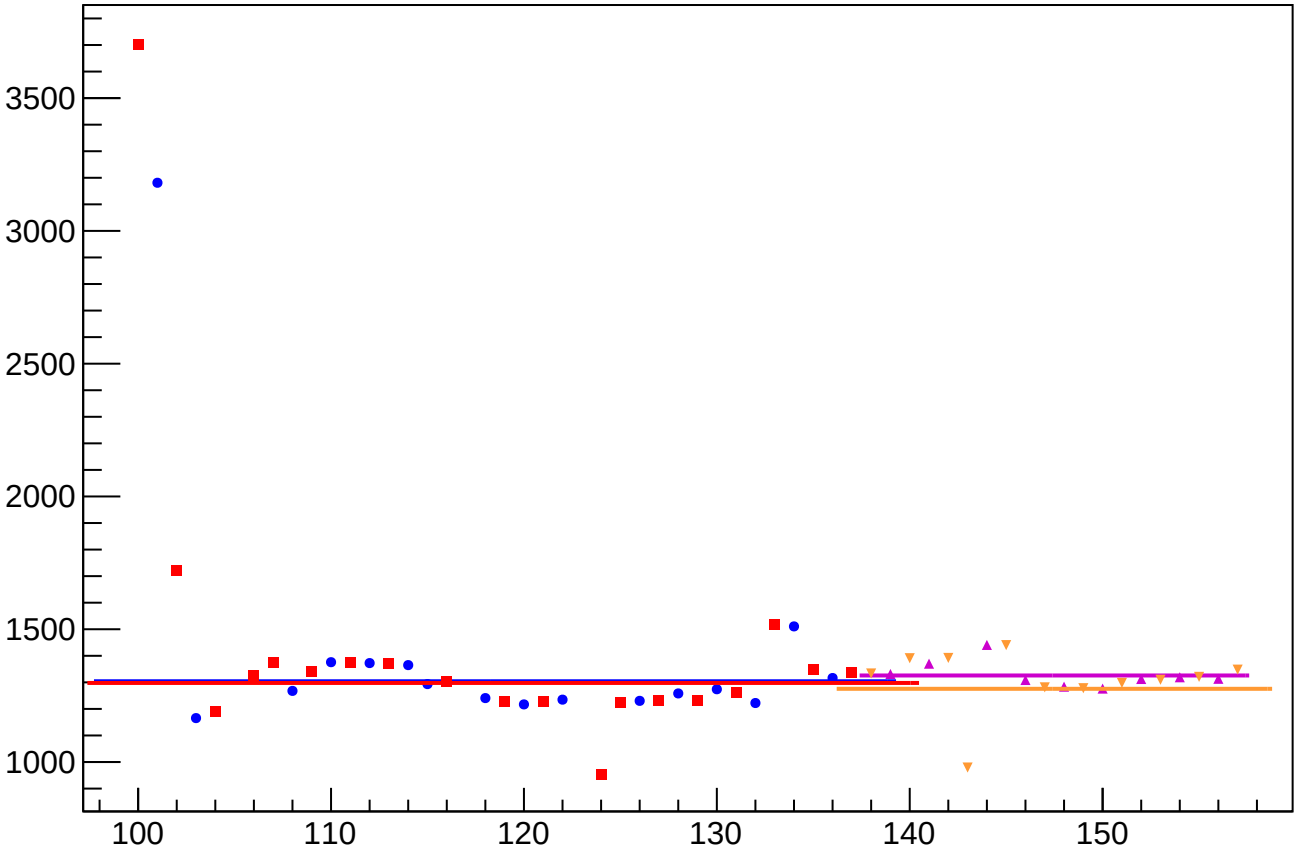
Left In: 505.191+/-473.787 χ^2/NDF:4.9/8

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 292.514+/-235.252 χ^2/NDF: 57.0/54

- sign 311.768+/-339.101 χ^2/NDF: 20.1/27

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

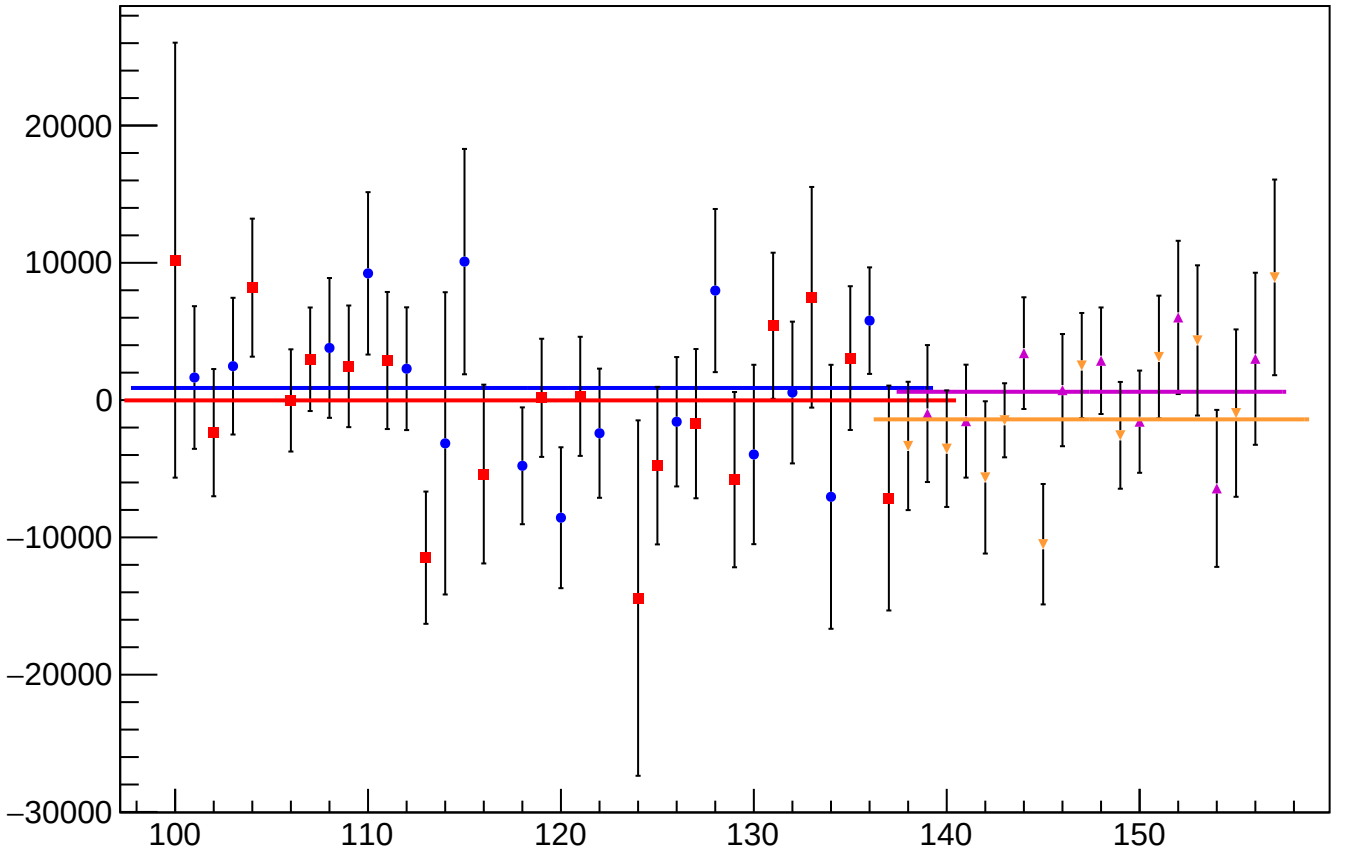
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.913+/-0.335 χ^2/NDF:18549.4/8

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1299.706+/-0.166 χ^2/NDF: 954394.6/54

- sign 1312.189+/-0.240 χ^2/NDF: 235084.5/27



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

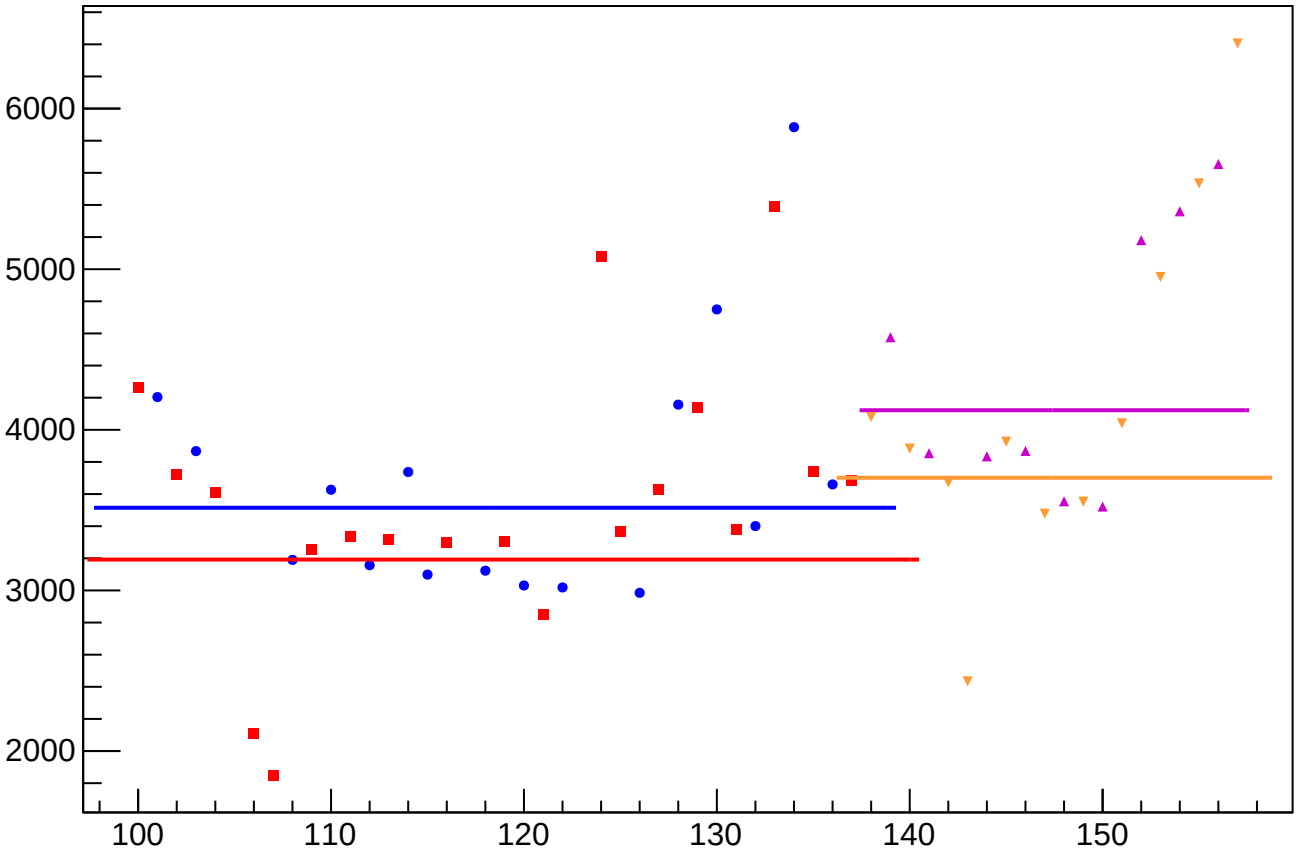
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 605.875+/-1496.899 χ^2/NDF:4.1/8

\+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.919+/-659.959 χ^2/NDF: 47.5/54

\- sign 224.451+/-936.291 χ^2/NDF: 21.1/27



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

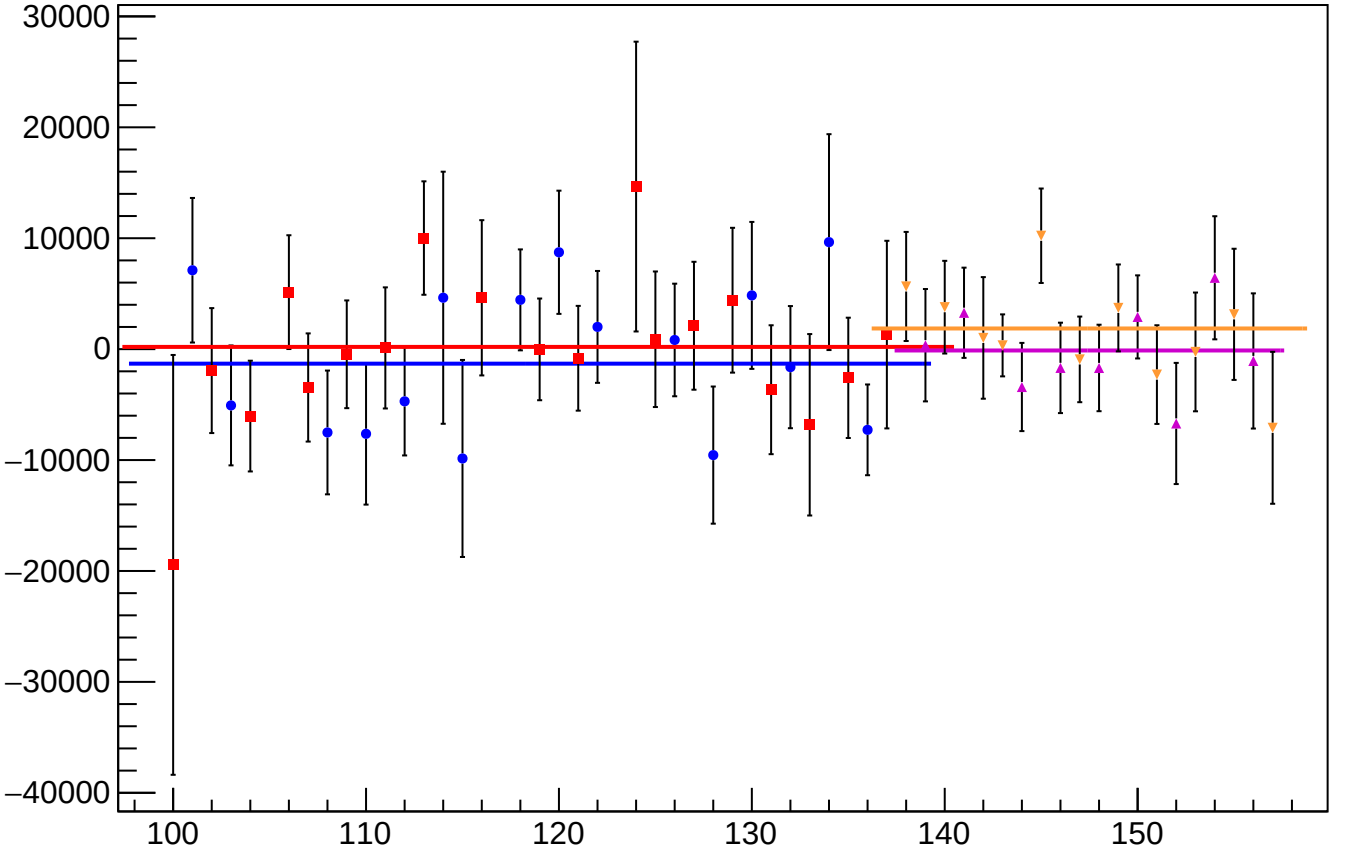
Left In: 4121.854+/-1.058 χ^2/NDF:422854.5/8

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3583.015+/-0.467 χ^2/NDF: 3121628.7/54

- sign 3555.909+/-0.662 χ^2/NDF: 1664967.3/27

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

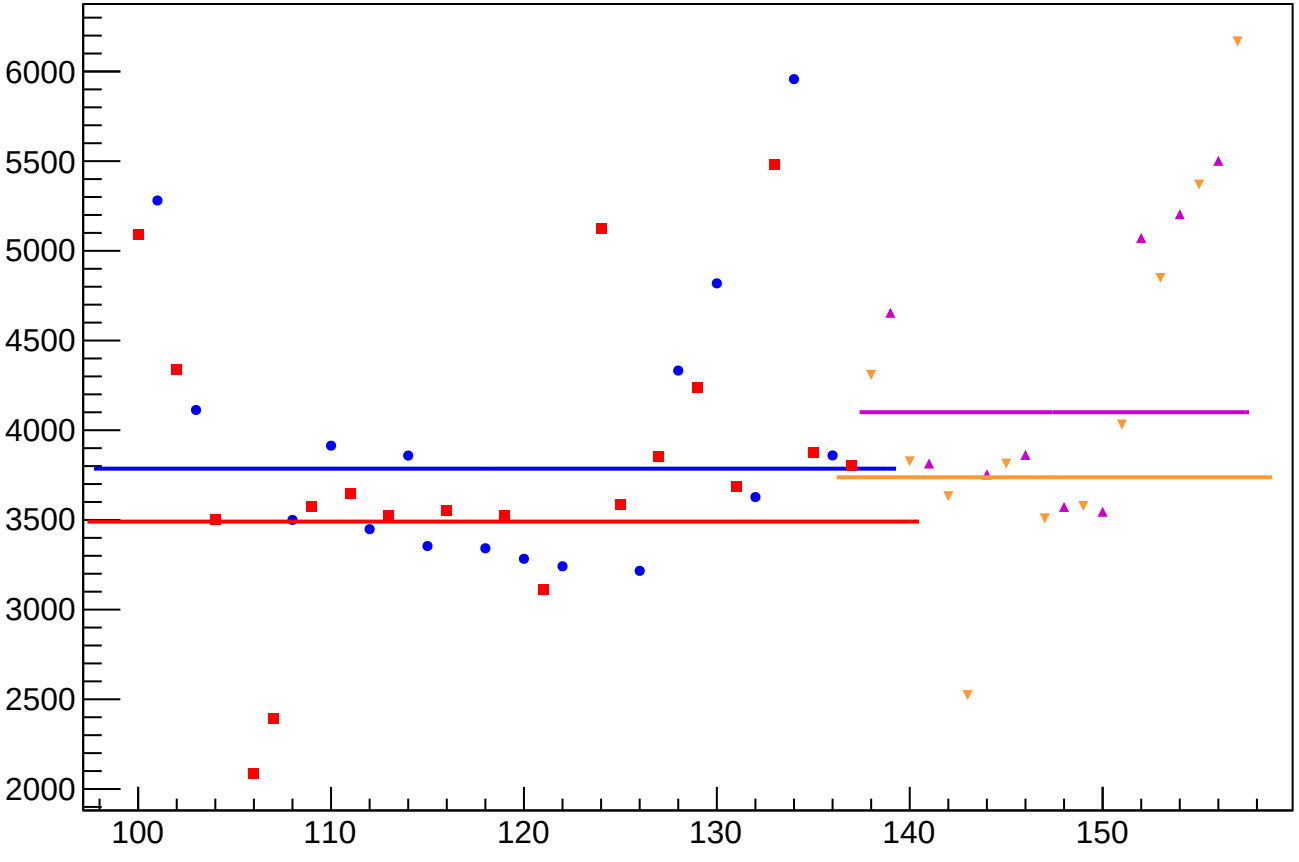
Left In: -120.099+/-1486.086 χ^2/NDF:5.2/8

\+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 242.528+/-692.775 χ^2/NDF: 45.7/54

\- sign 57.800+/-993.557 χ^2/NDF: 16.9/27

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

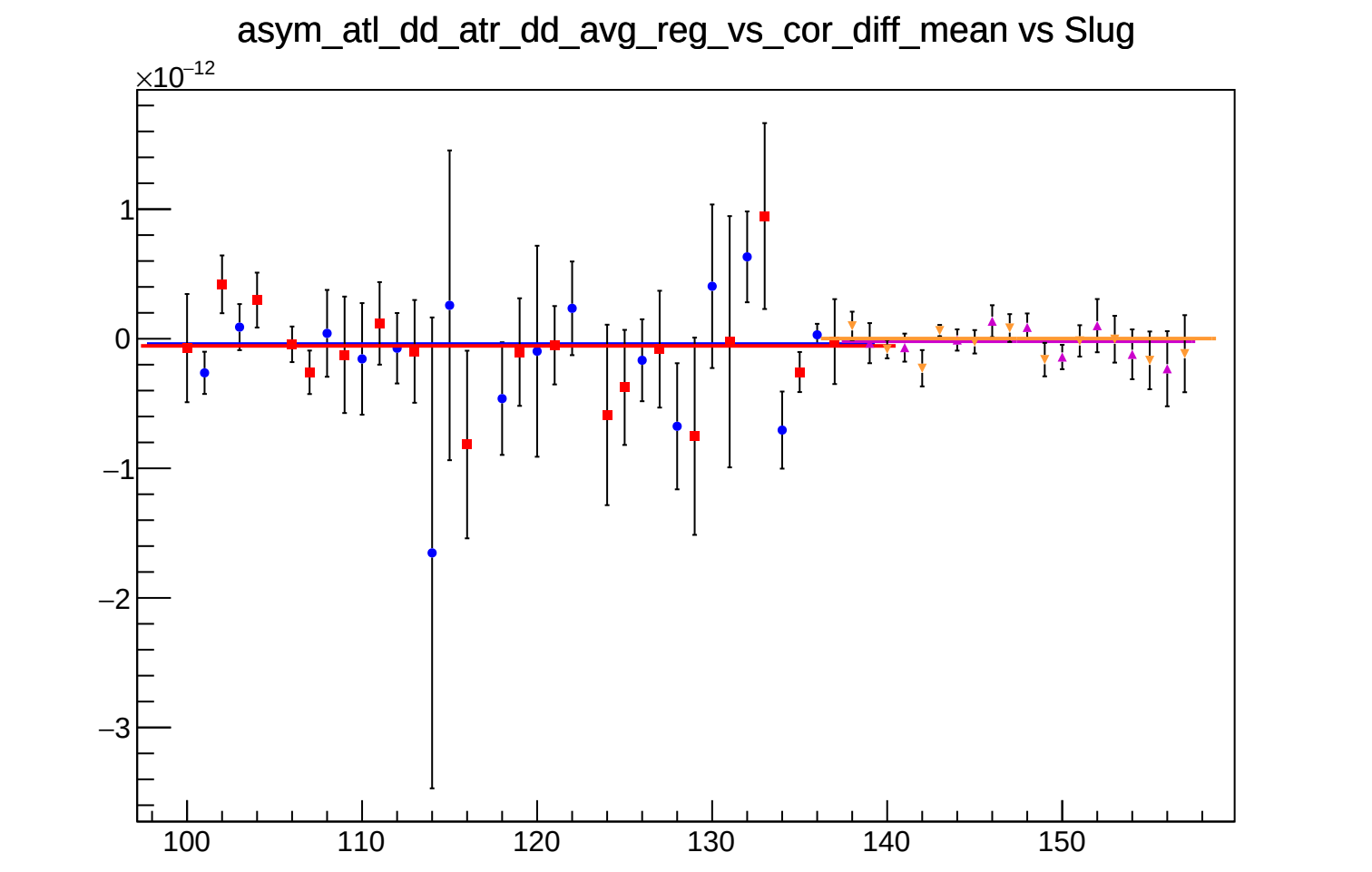
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

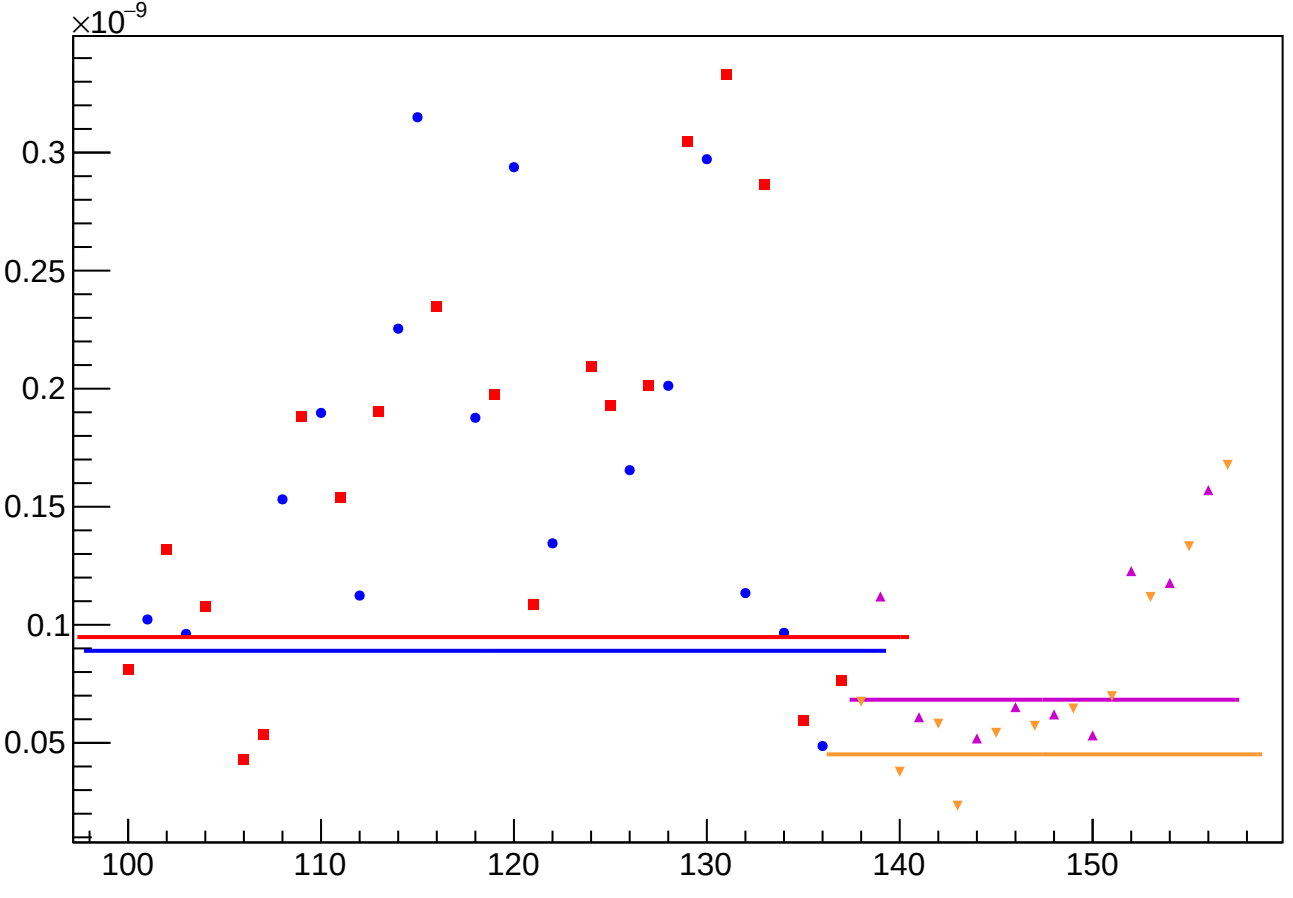
Left In: 4100.386+/-1.051 χ^2/NDF:384587.9/8

+ sign 3759.701+/-0.683 χ^2/NDF: 1300108.5/26

All: 3759.379+/-0.488 χ^2/NDF: 2459906.8/54

- sign 3759.044+/-0.697 χ^2/NDF: 1159797.8/27


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.6/8
+ sign -0.000+/-0.000 χ²/NDF: 26.8/26
All: -0.000+/-0.000 χ²/NDF: 48.8/54
- sign -0.000+/-0.000 χ²/NDF: 21.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

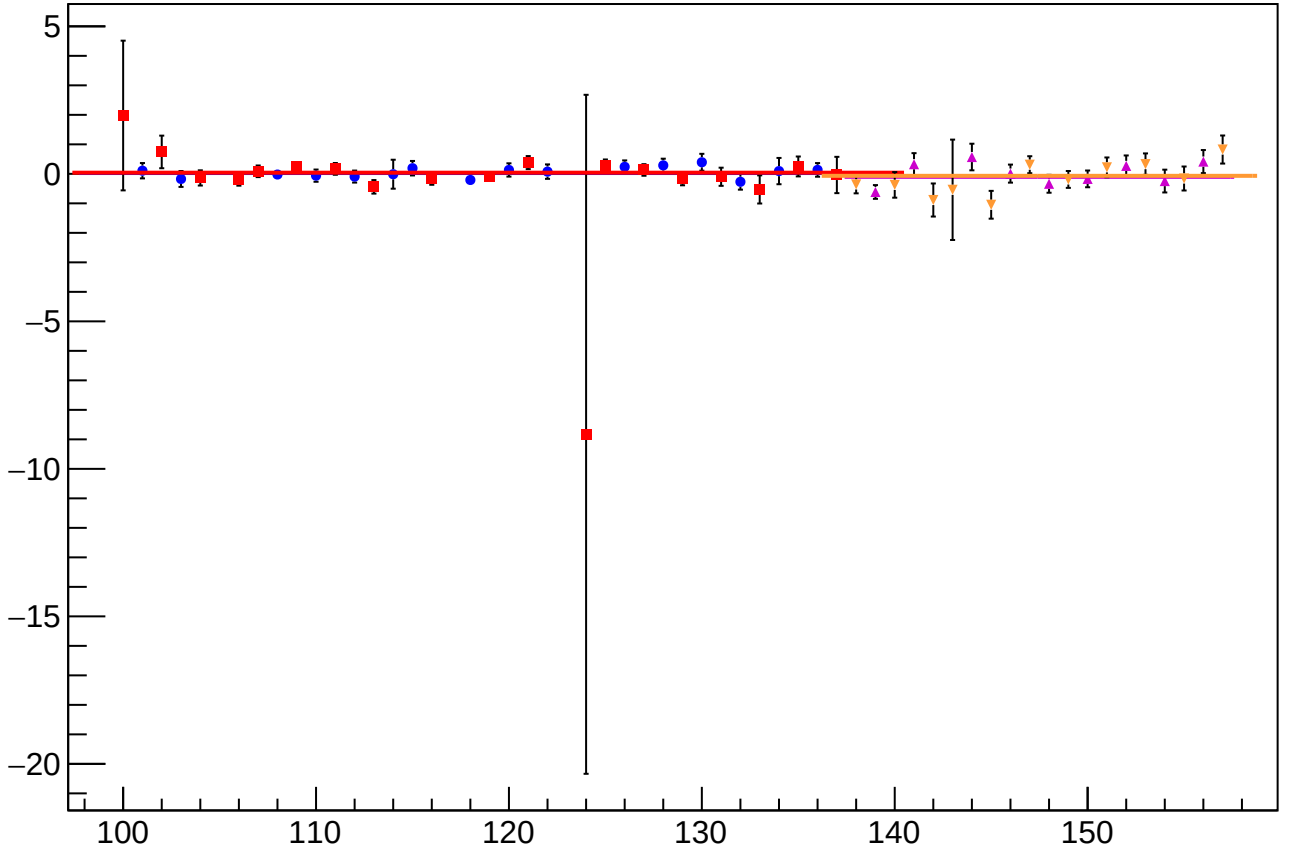
Left In: 0.000+/-0.000 χ^2/NDF:768824.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7376334.6/54

- sign 0.000+/-0.000 χ^2/NDF: 2748397.6/27

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

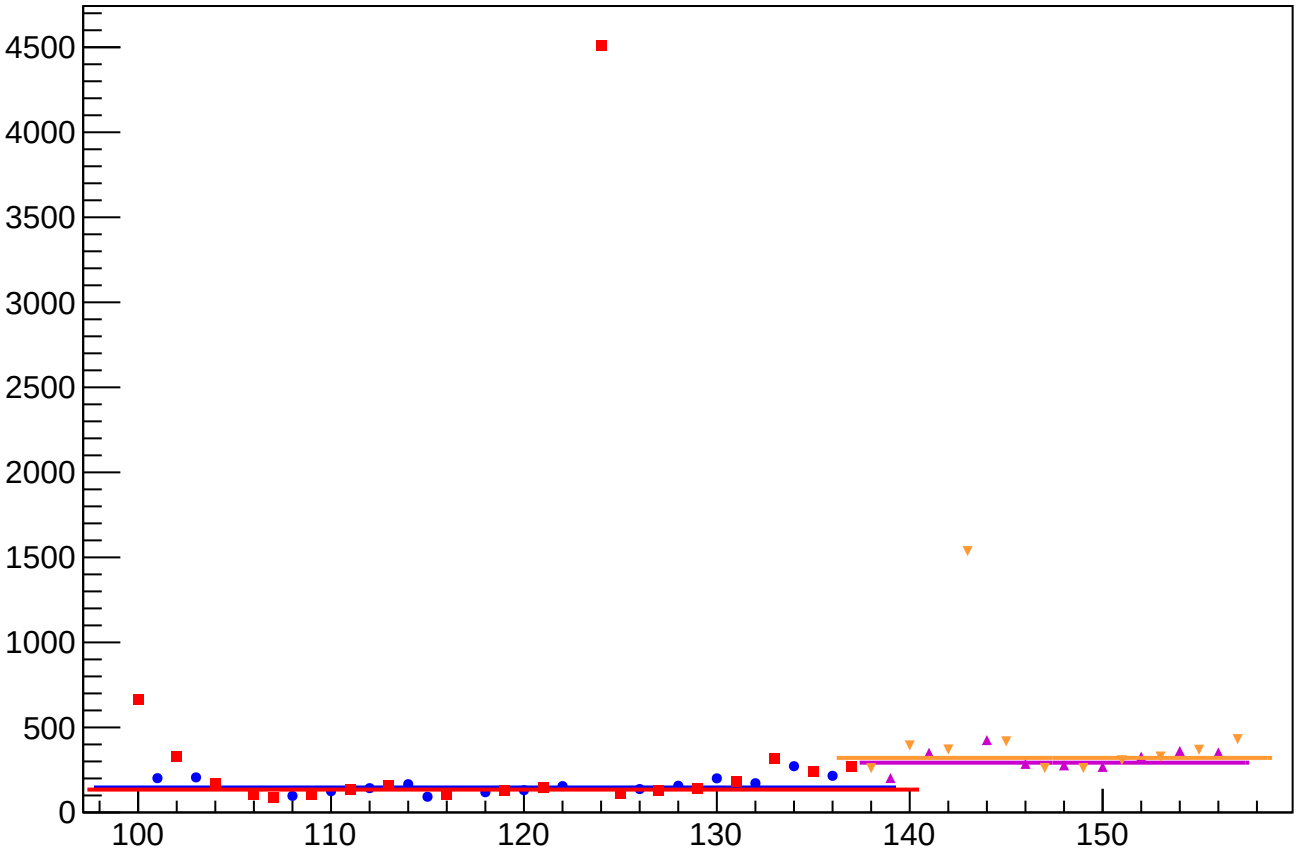
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

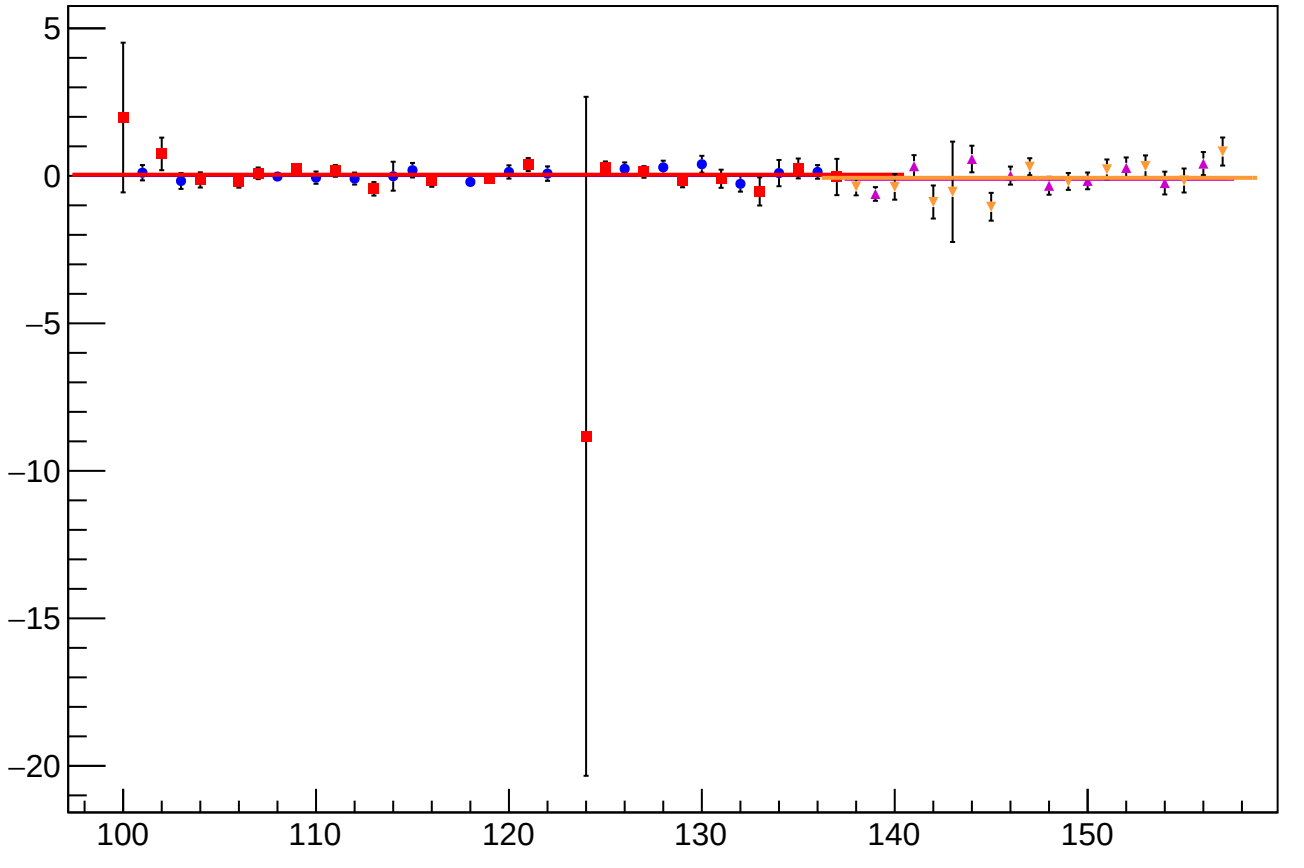
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

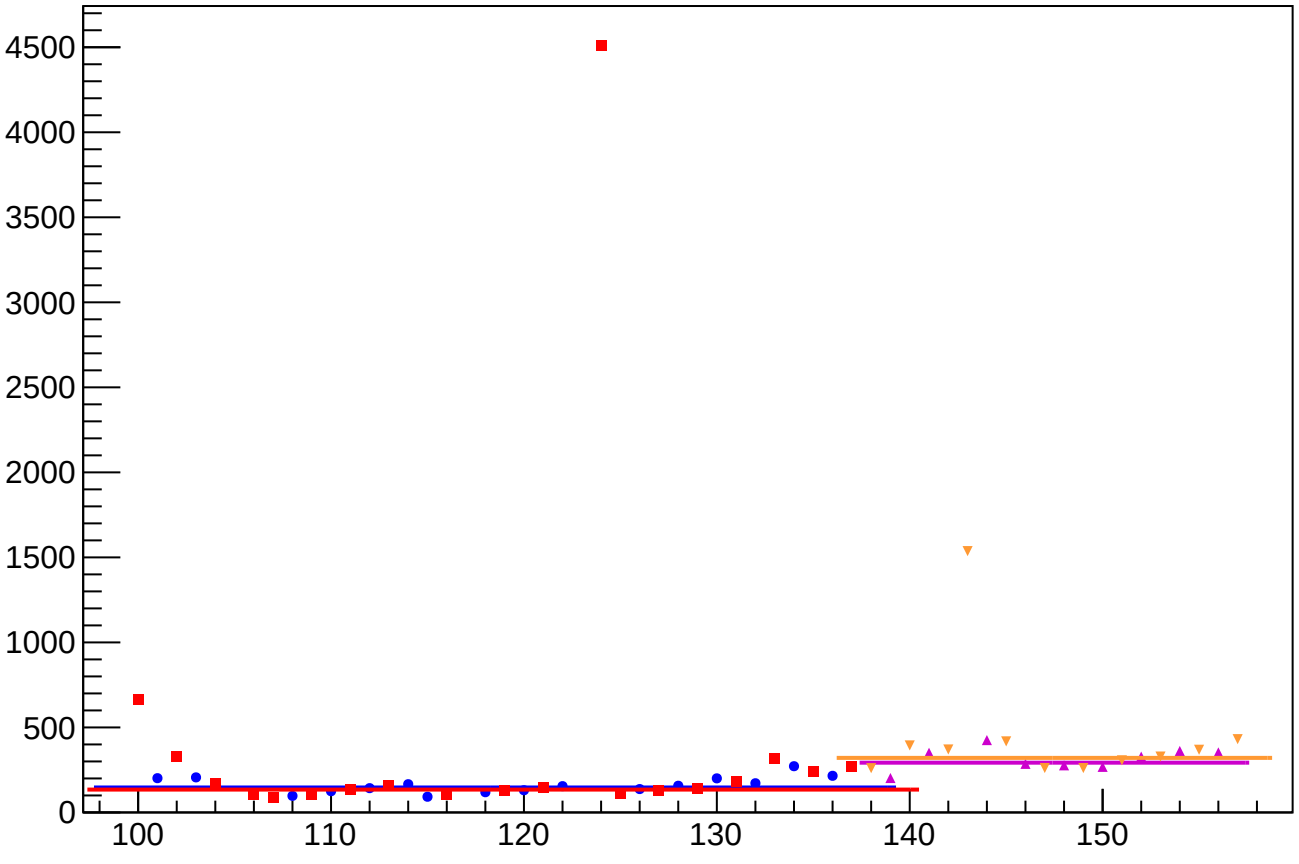
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

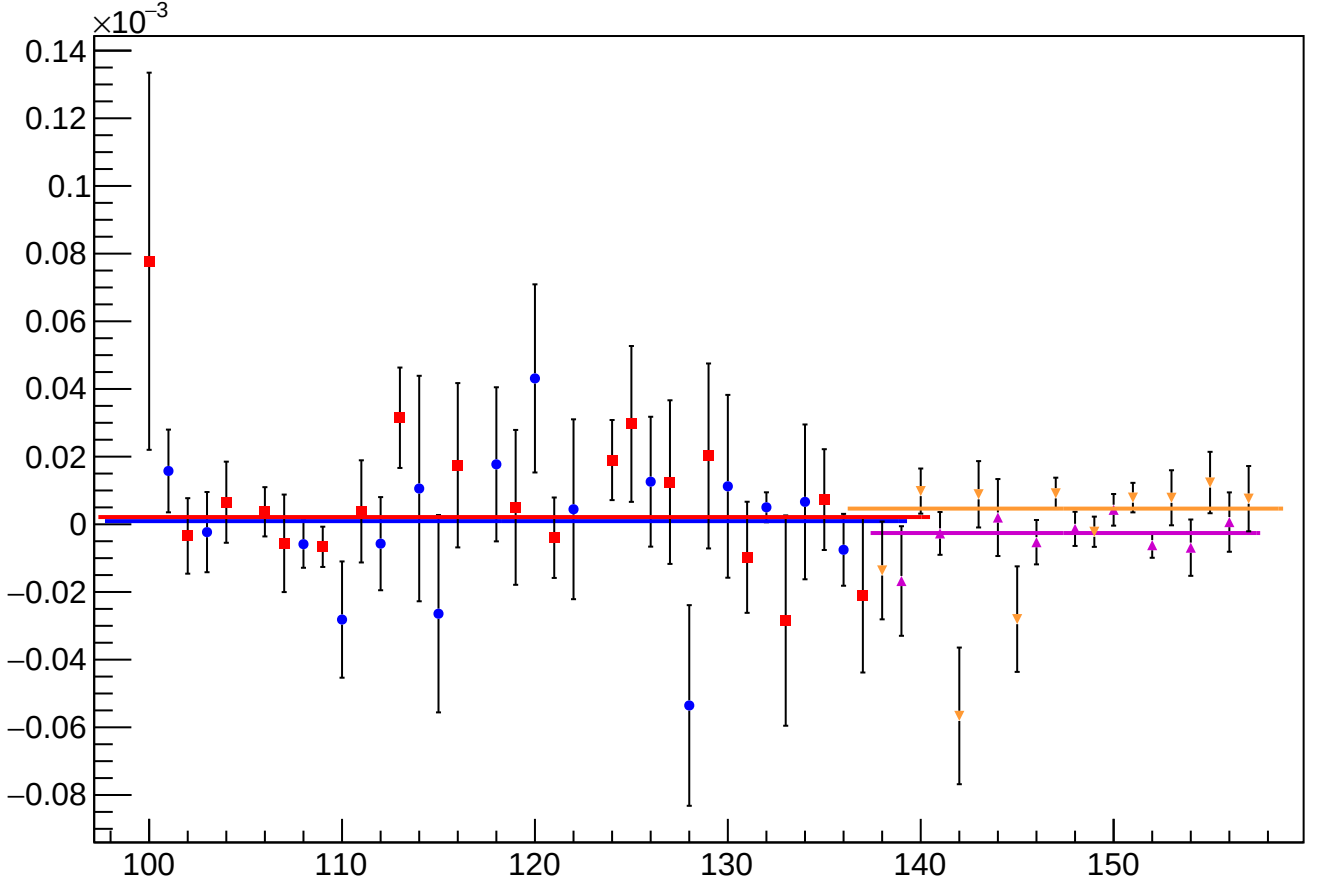
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

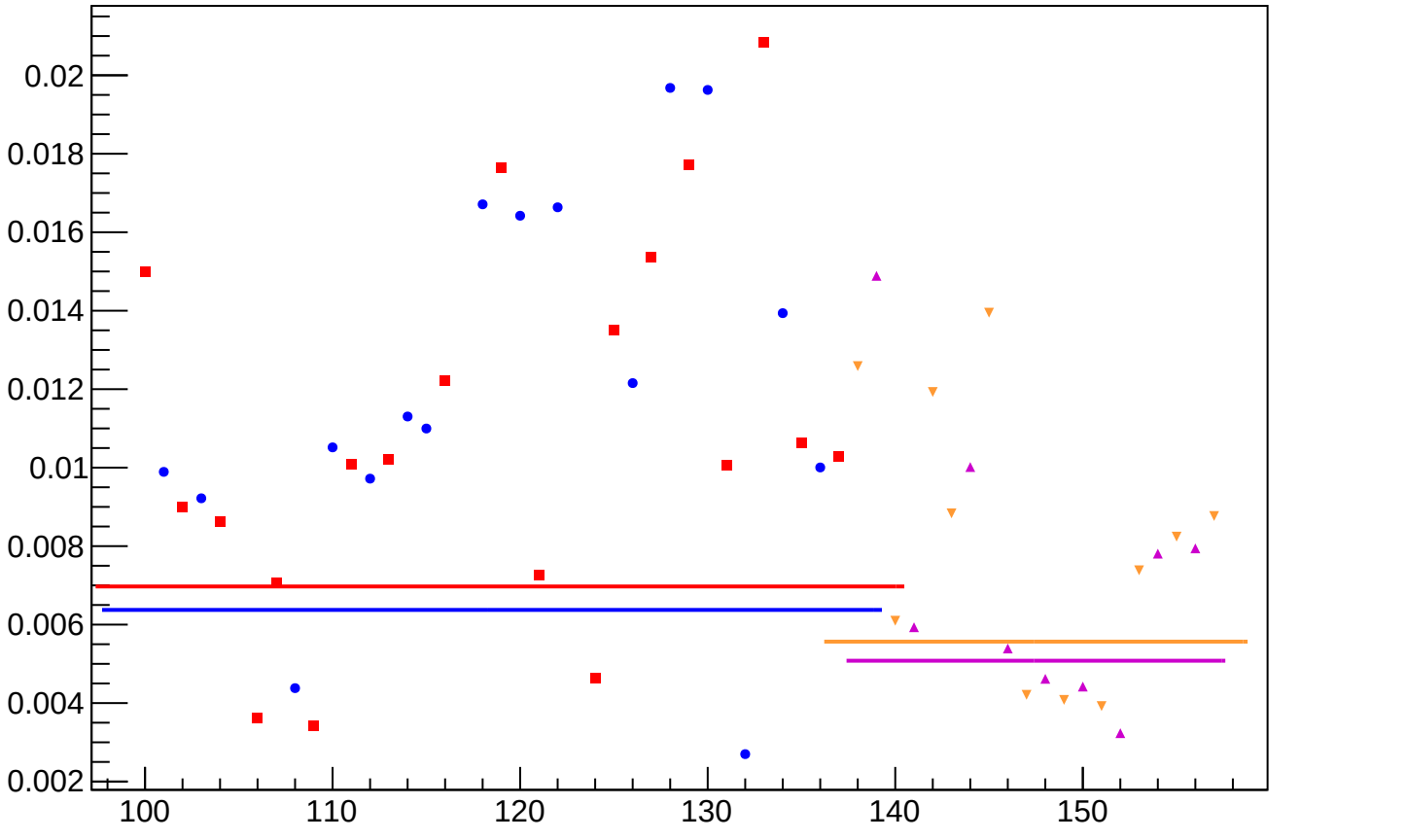
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 62.7/54

- sign -0.000+/-0.000 χ^2/NDF: 22.4/27



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:2653767.7/10

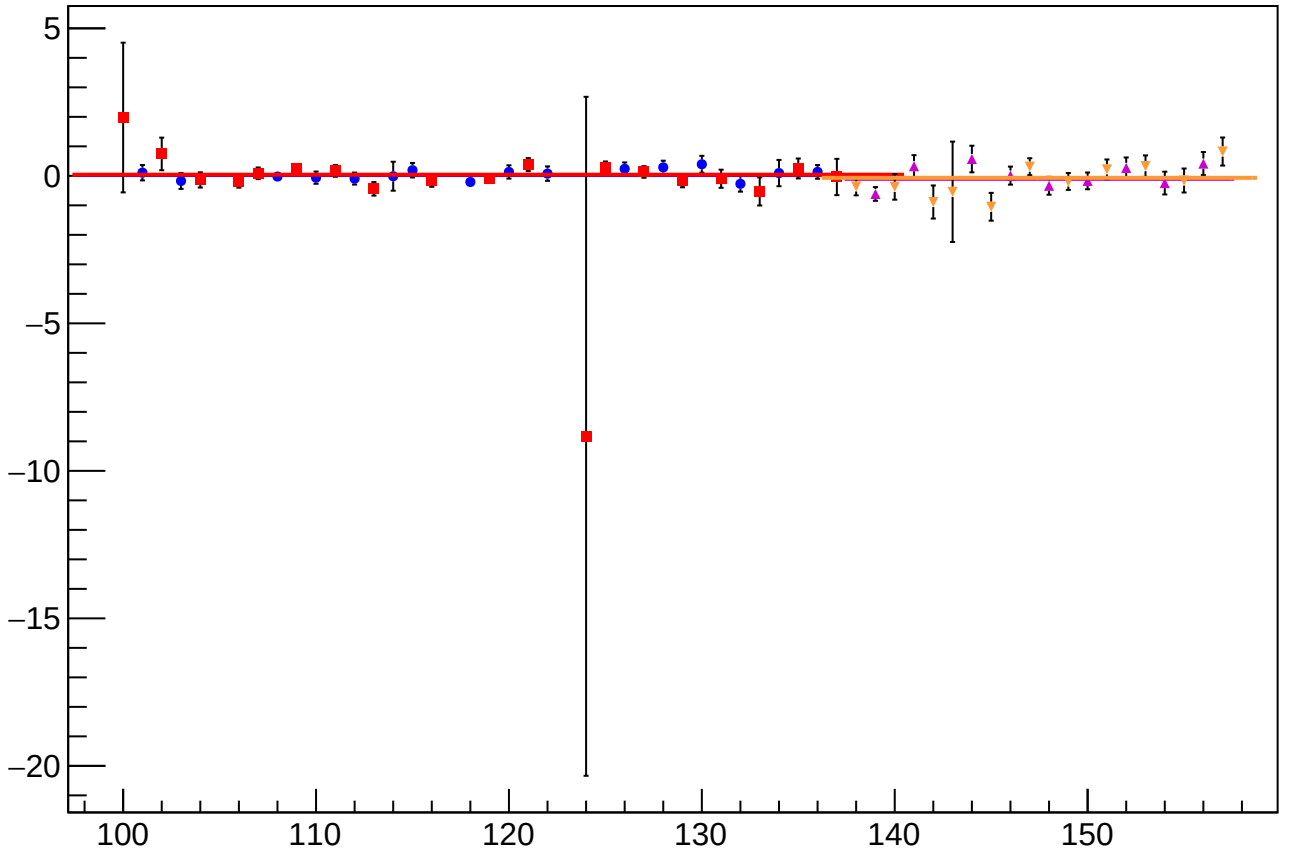
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:2124835.7/8

+ sign 0.006+/-0.000 χ^2/NDF: 7394924.7/26

All: 0.006+/-0.000 χ^2/NDF: 13482934.5/54

- sign 0.006+/-0.000 χ^2/NDF: 6077976.6/27



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

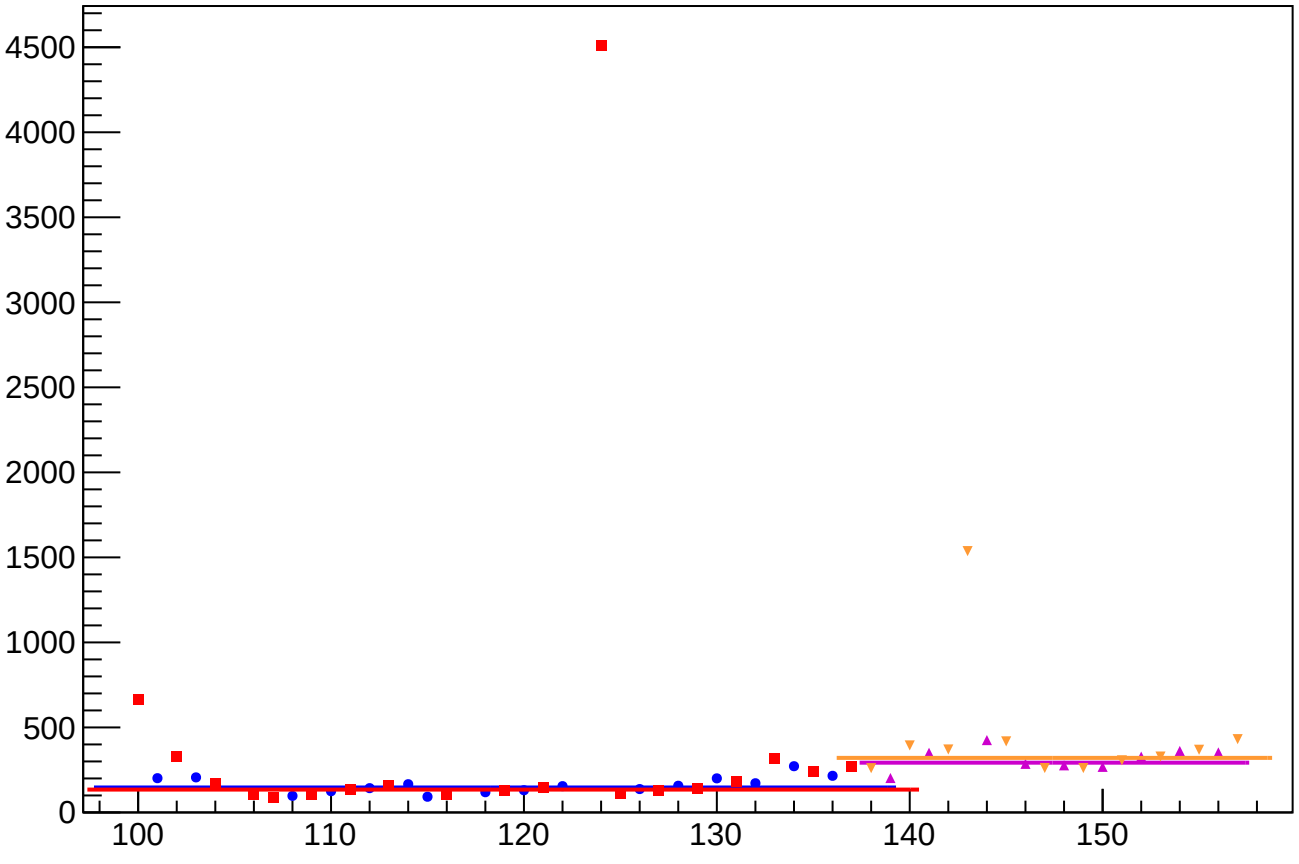
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

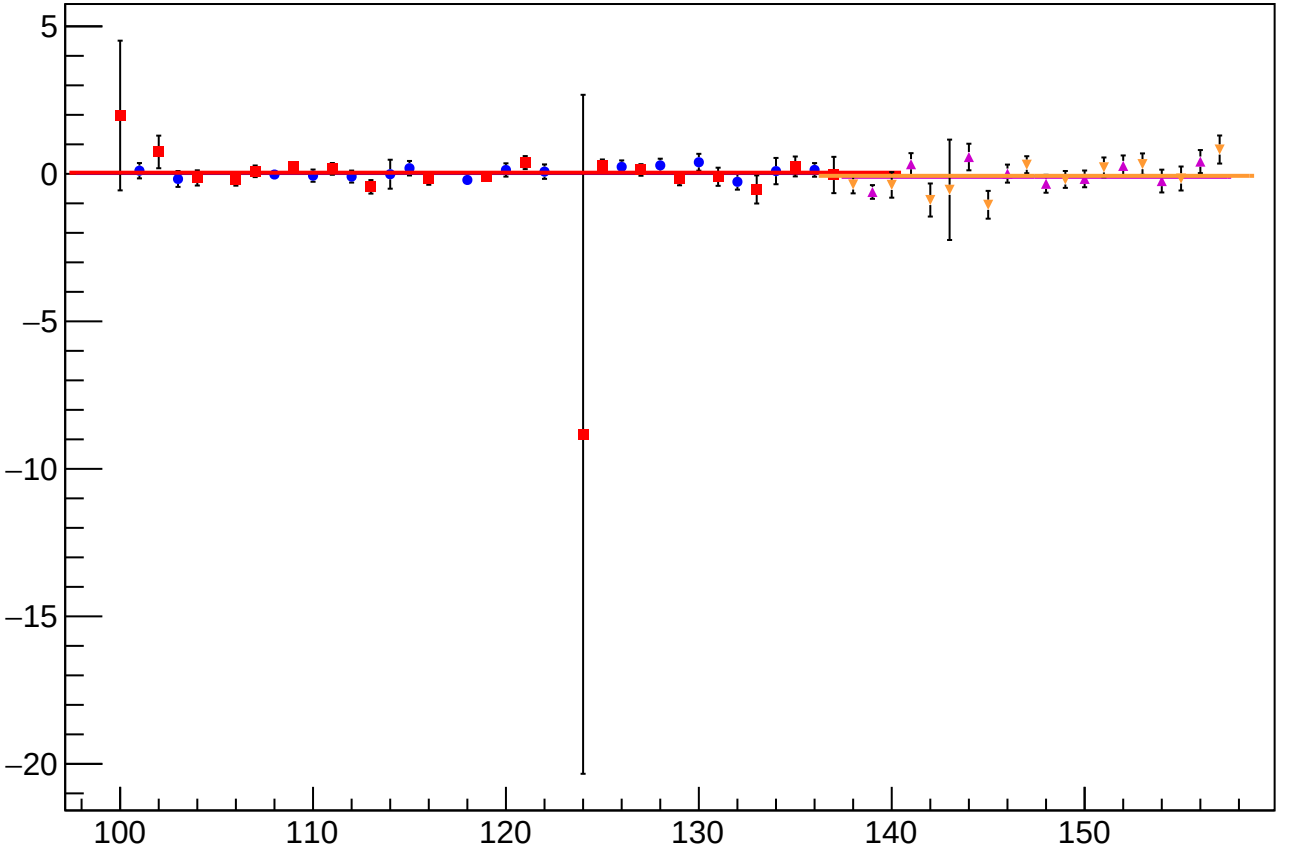
Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

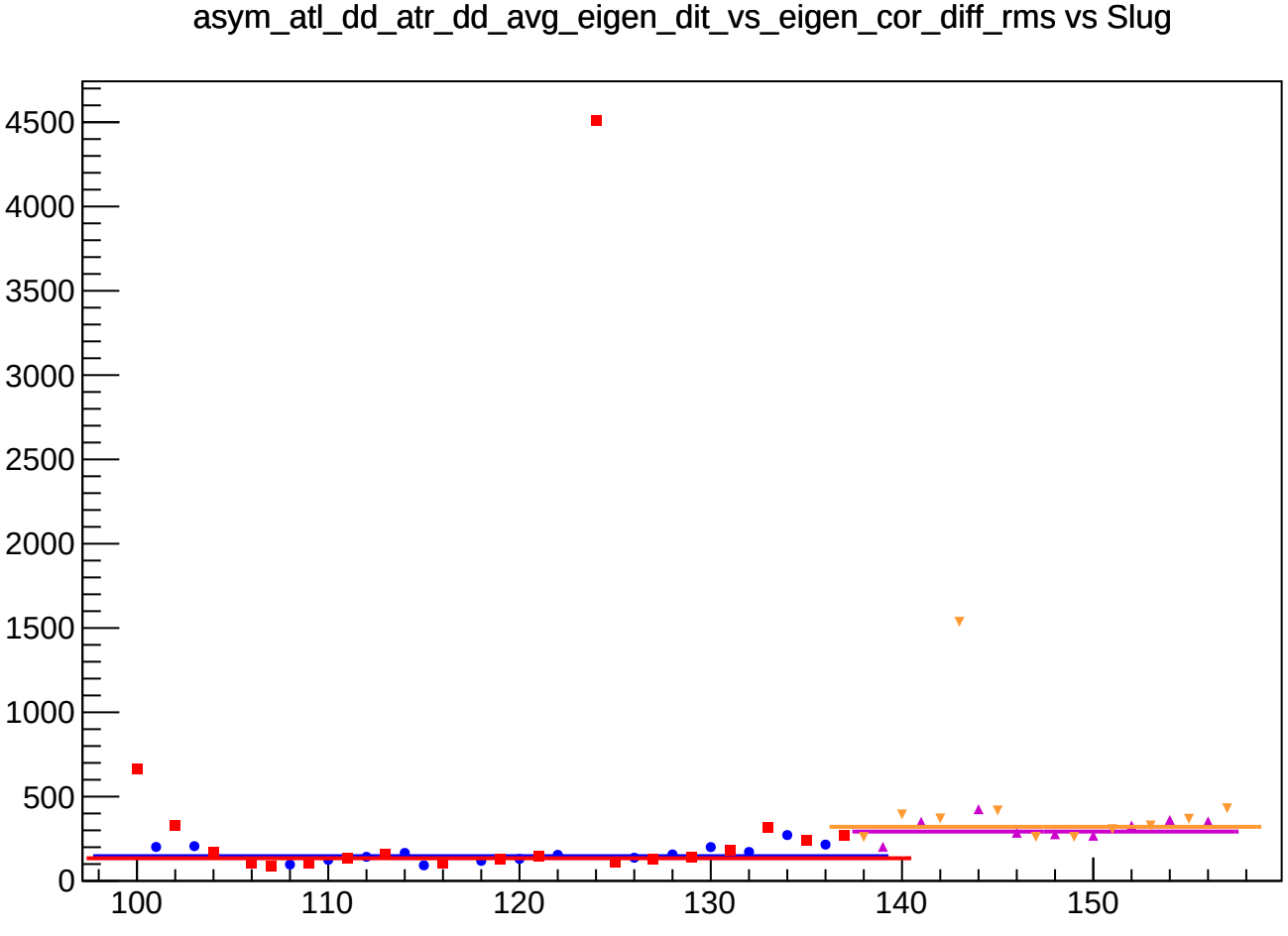
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

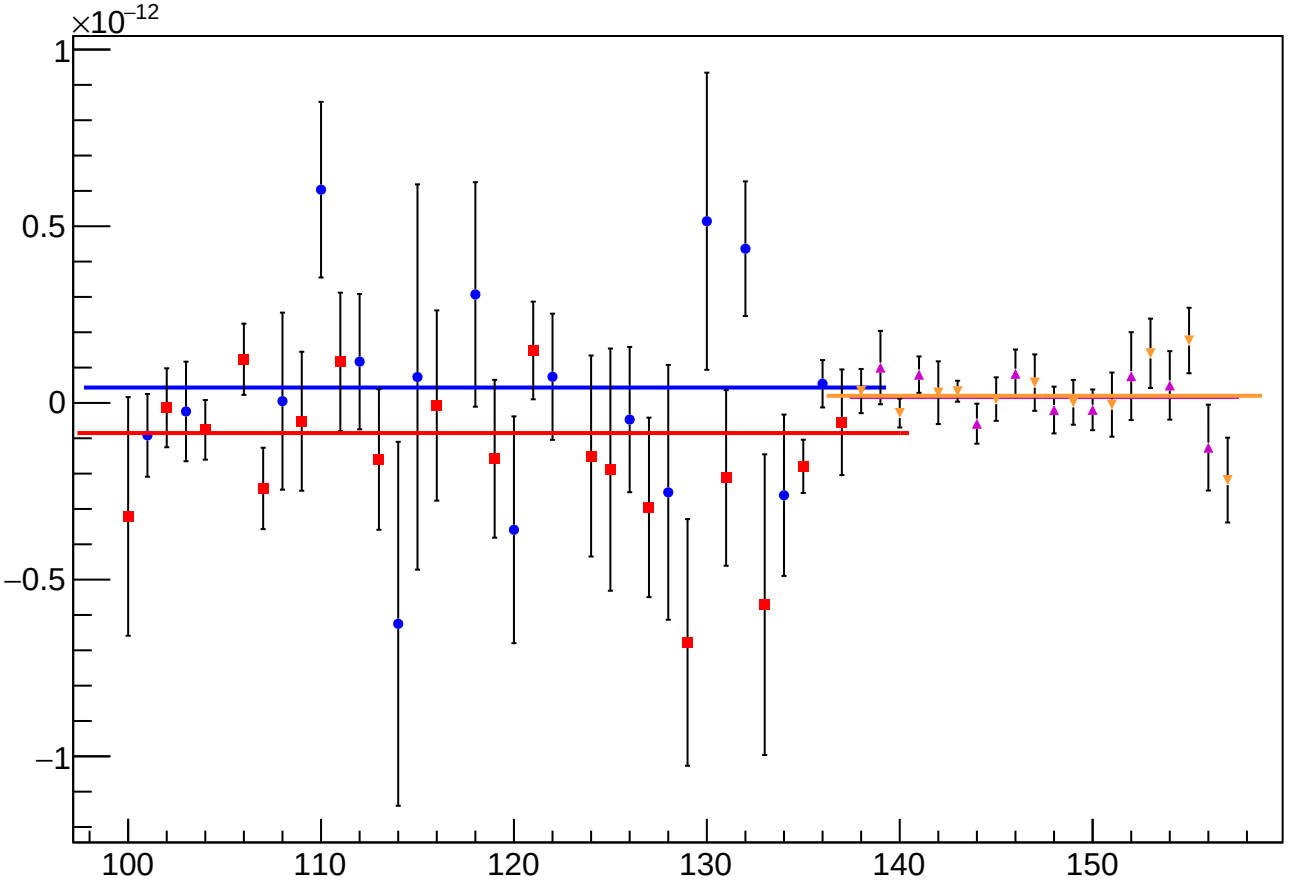
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

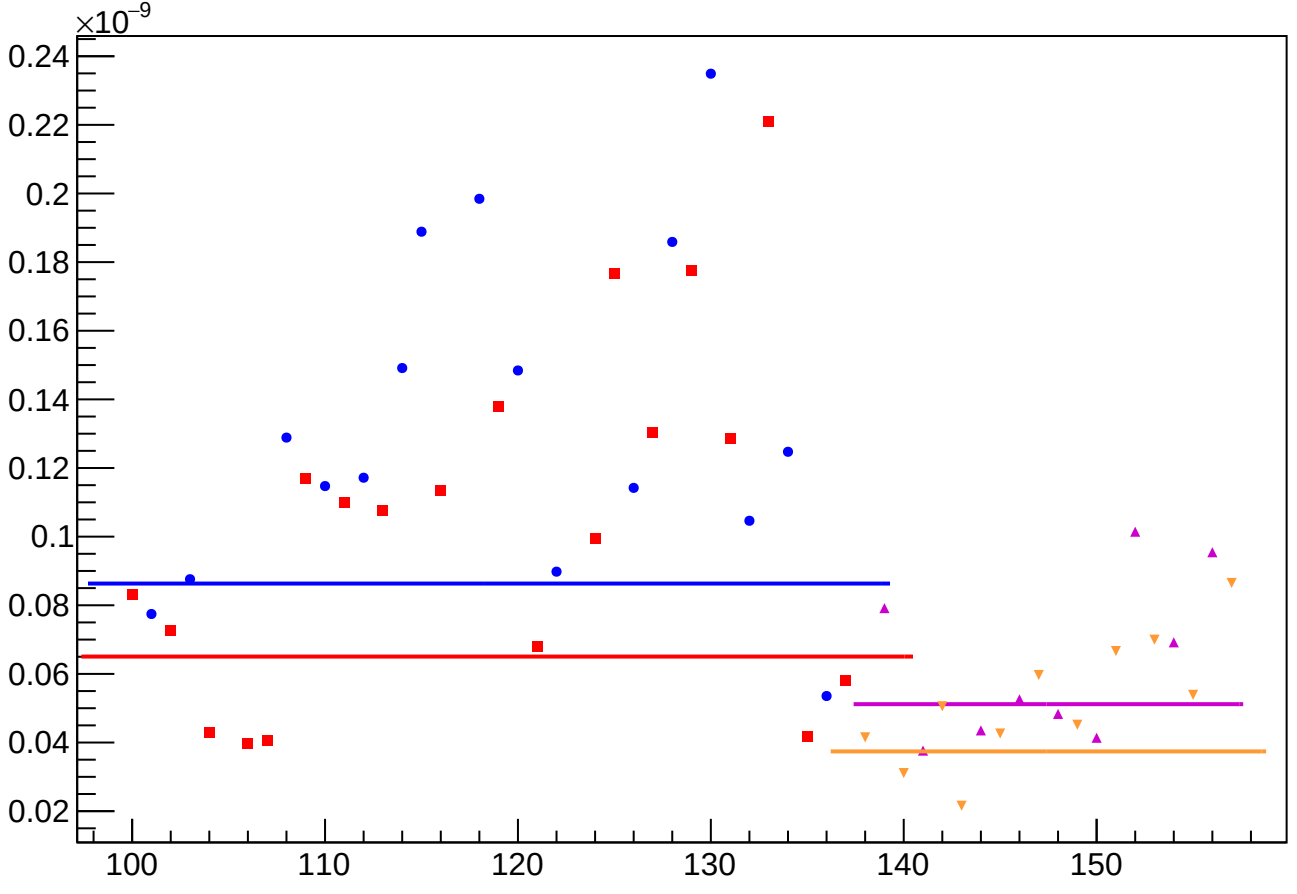
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.5/54

- sign -0.000+/-0.000 χ^2/NDF: 31.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

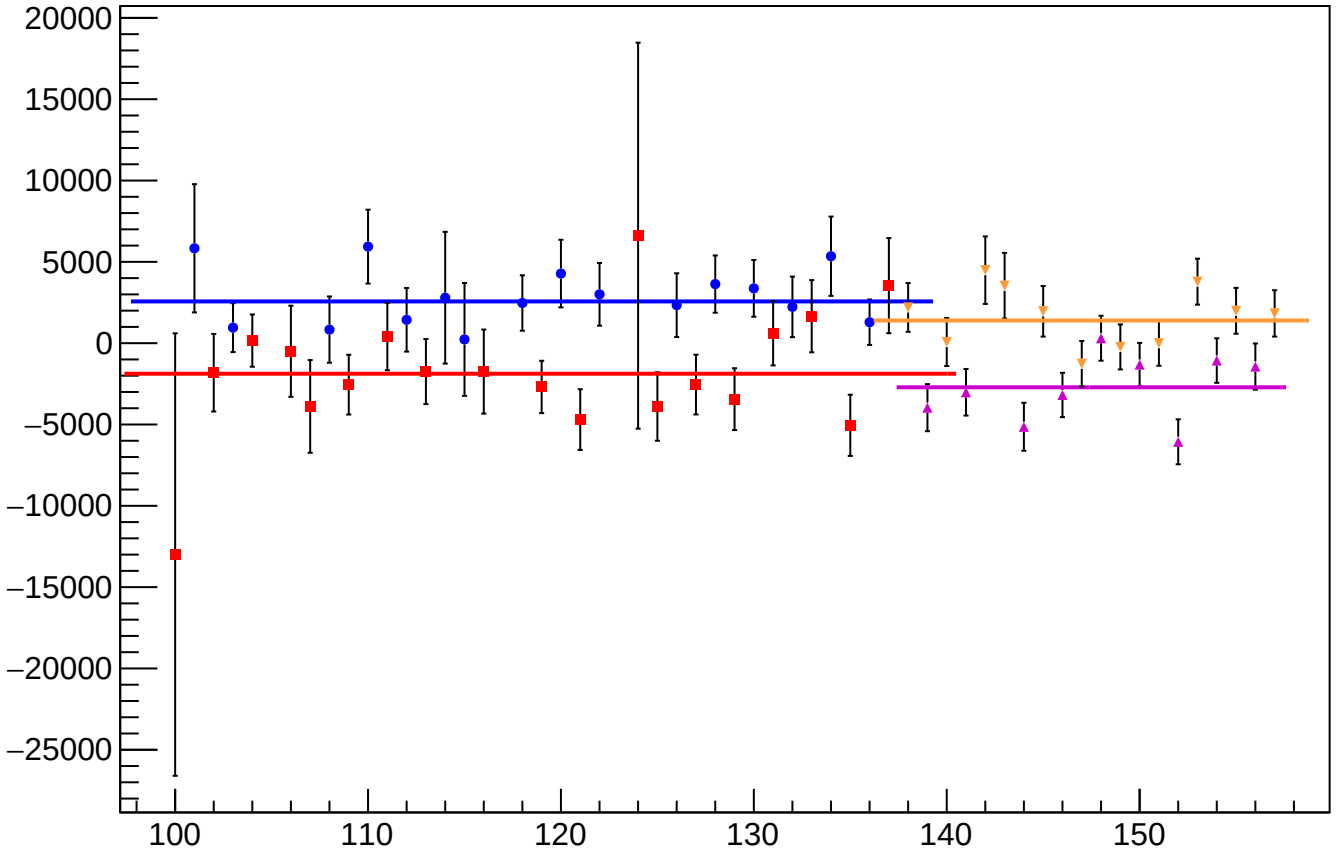
Left In: 0.000+/-0.000 χ^2/NDF:1043638.1/8

\+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9305543.3/54

\- sign 0.000+/-0.000 χ^2/NDF: 3423734.0/27

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.469+/-454.377 χ^2/NDF:13.7/10

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

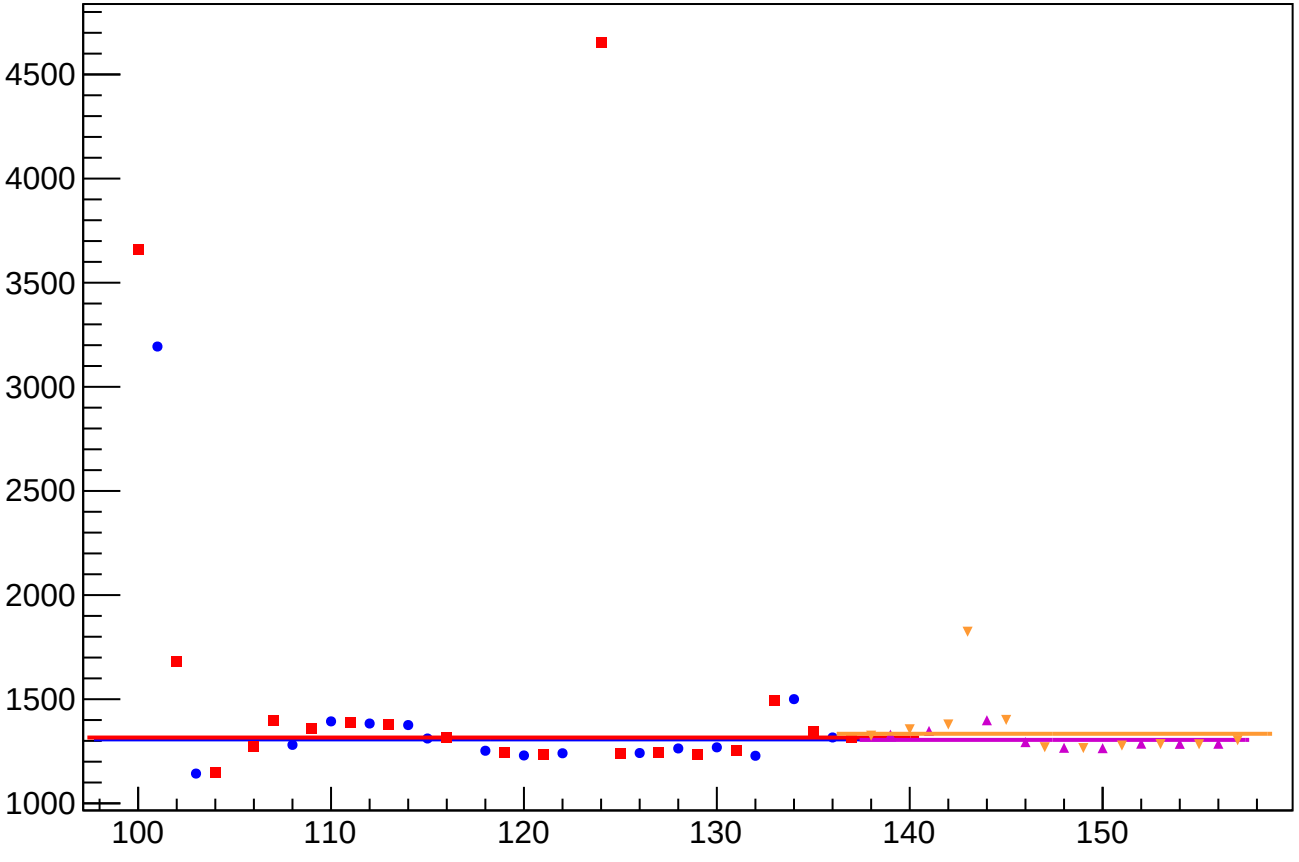
Left In: -2712.374+/-466.157 χ^2/NDF:17.6/8

+ sign 1930.436+/-334.847 χ^2/NDF: 25.8/26

All: -166.879+/-238.321 χ^2/NDF: 144.0/54

- sign -2319.981+/-339.271 χ^2/NDF: 38.7/27

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

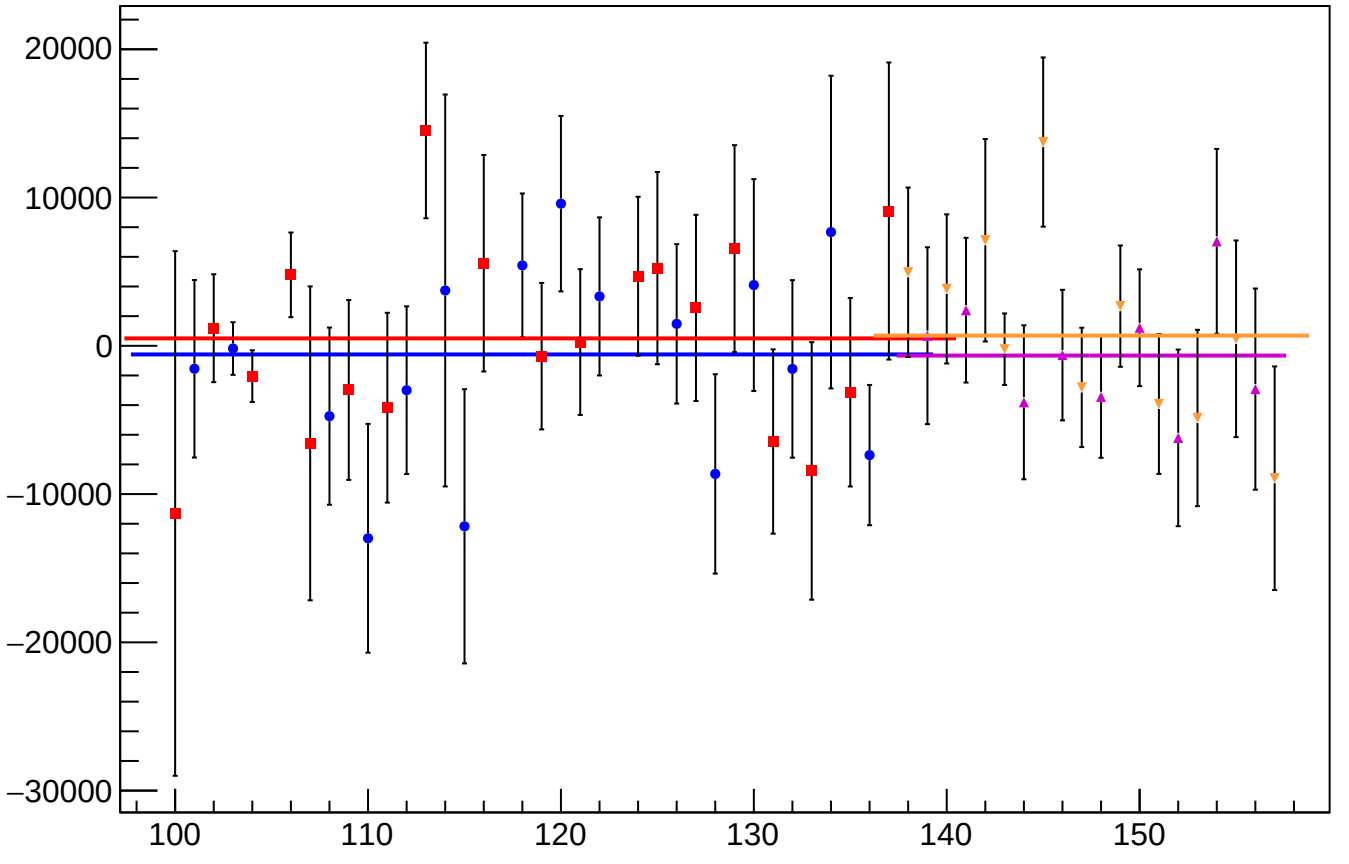
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1304.688+/-0.330 χ^2/NDF:15037.3/8

+ sign 1321.691+/-0.237 χ^2/NDF: 660895.1/26

All: 1315.926+/-0.168 χ^2/NDF: 1004107.5/54

- sign 1310.023+/-0.240 χ^2/NDF: 342012.6/27



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 690.064+/-1374.477 χ^2/NDF:11.7/10

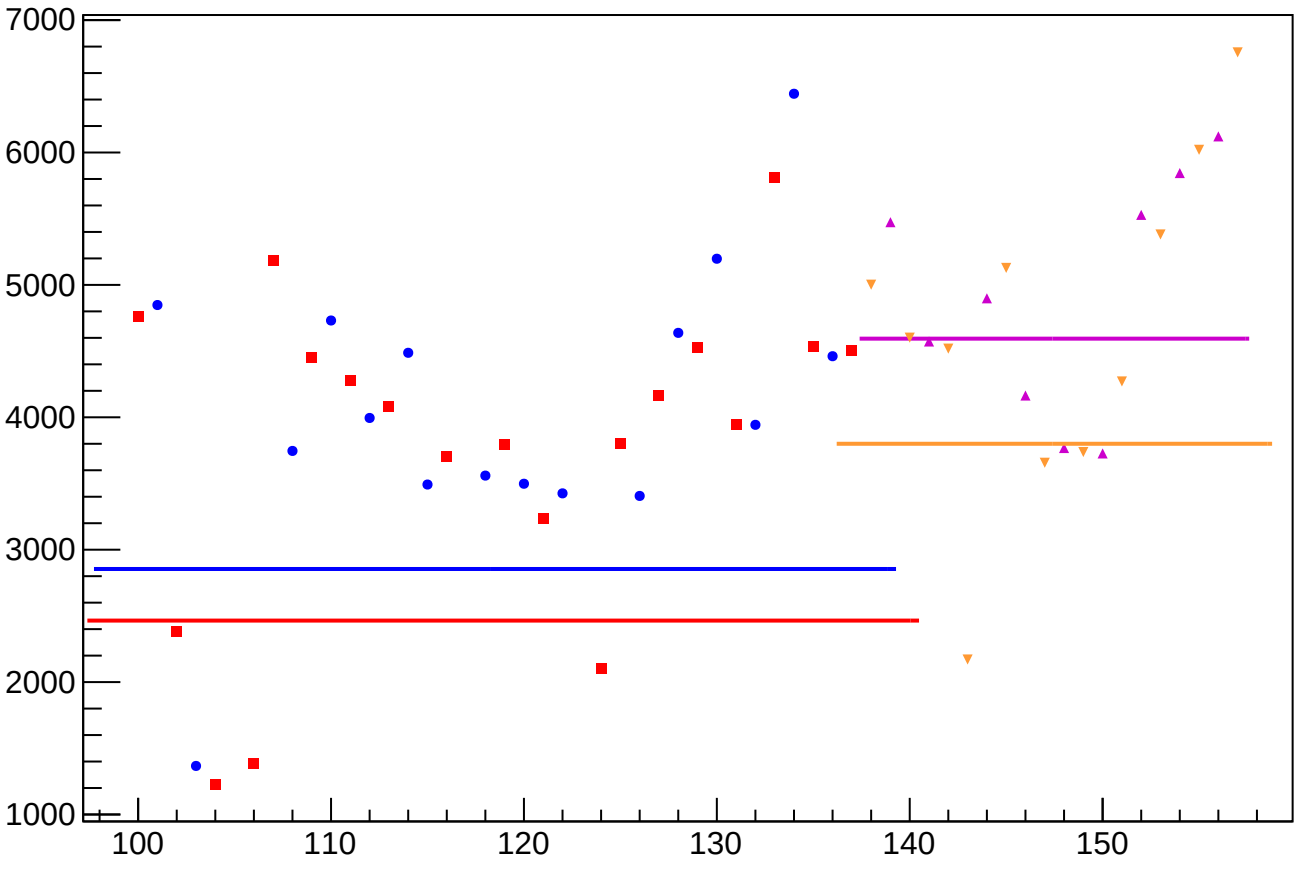
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -658.181+/-1671.478 χ^2/NDF:4.0/8

+ sign -35.387+/-900.898 χ^2/NDF: 26.9/26

All: 68.239+/-634.010 χ^2/NDF: 49.0/54

- sign 169.922+/-892.415 χ^2/NDF: 22.0/27



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3800.045+/-0.972 χ^2/NDF:1879154.2/10

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

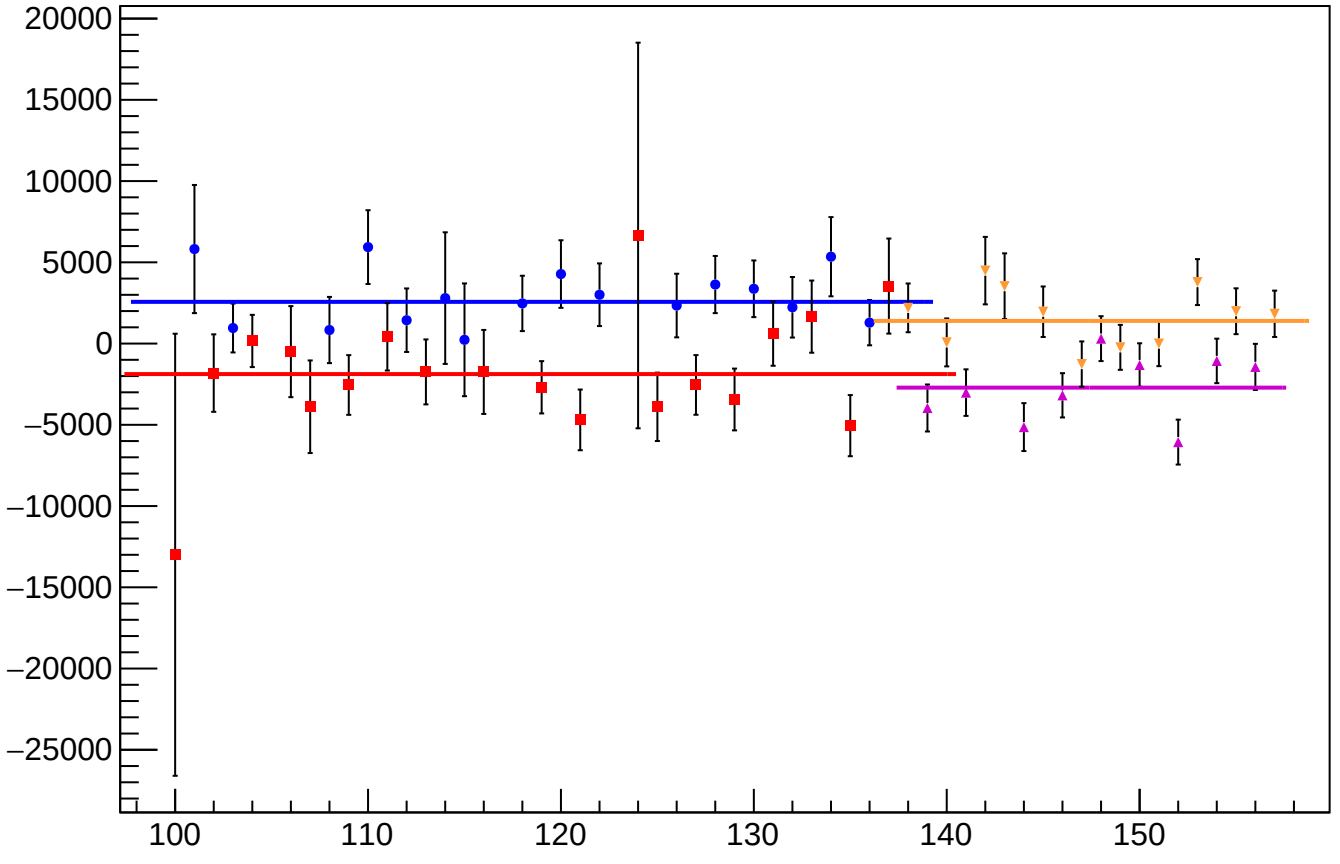
Left In: 4594.026+/-1.182 χ^2/NDF:478185.4/8

+ sign 3260.603+/-0.637 χ^2/NDF: 5324076.1/26

All: 3165.209+/-0.448 χ^2/NDF: 11523385.2/5

- sign 3071.603+/-0.631 χ^2/NDF: 6154880.8/27

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

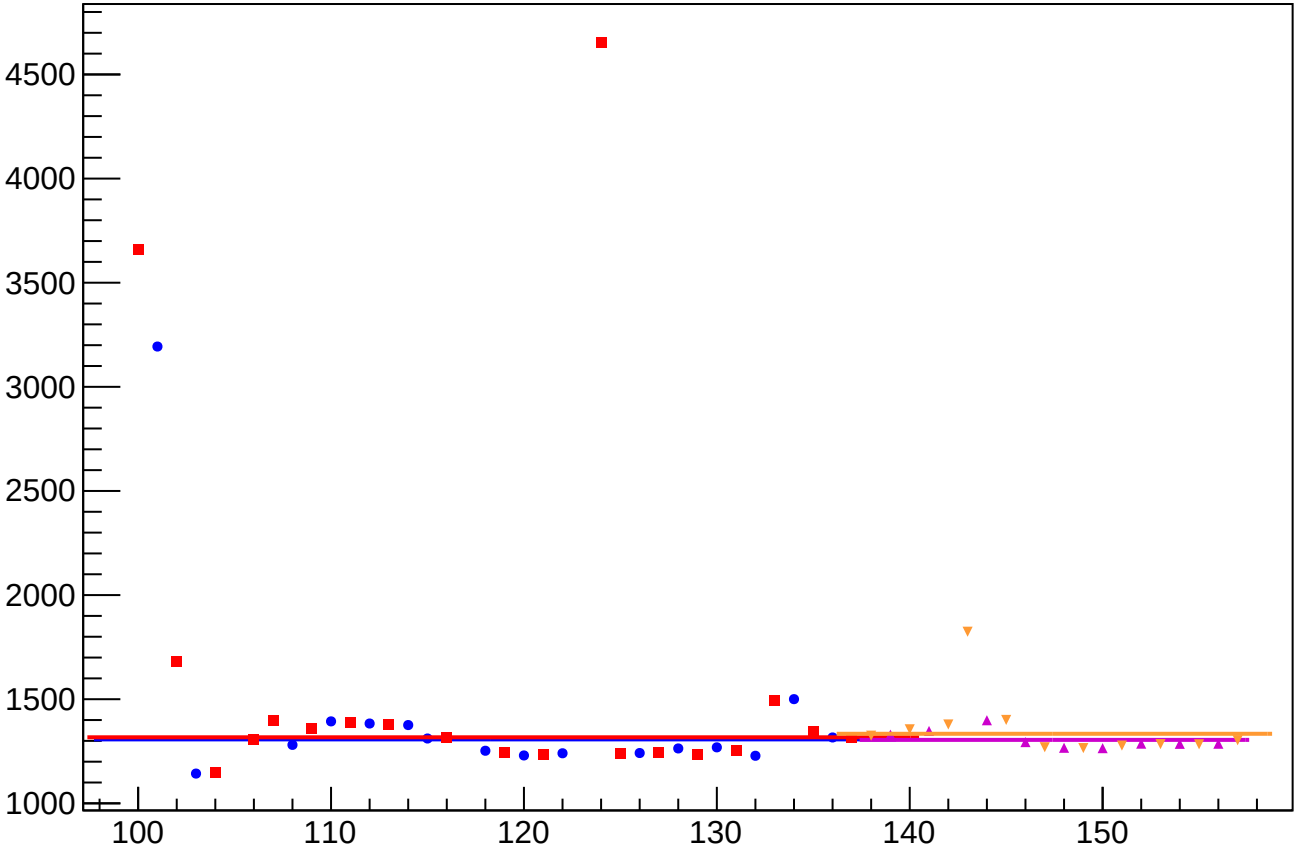
Left In: -2712.547+/-466.157 χ^2/NDF:17.6/8

+ sign 1930.288+/-334.847 χ^2/NDF: 25.8/26

All: -166.940+/-238.321 χ^2/NDF: 144.0/54

- sign -2319.952+/-339.271 χ^2/NDF: 38.7/27

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

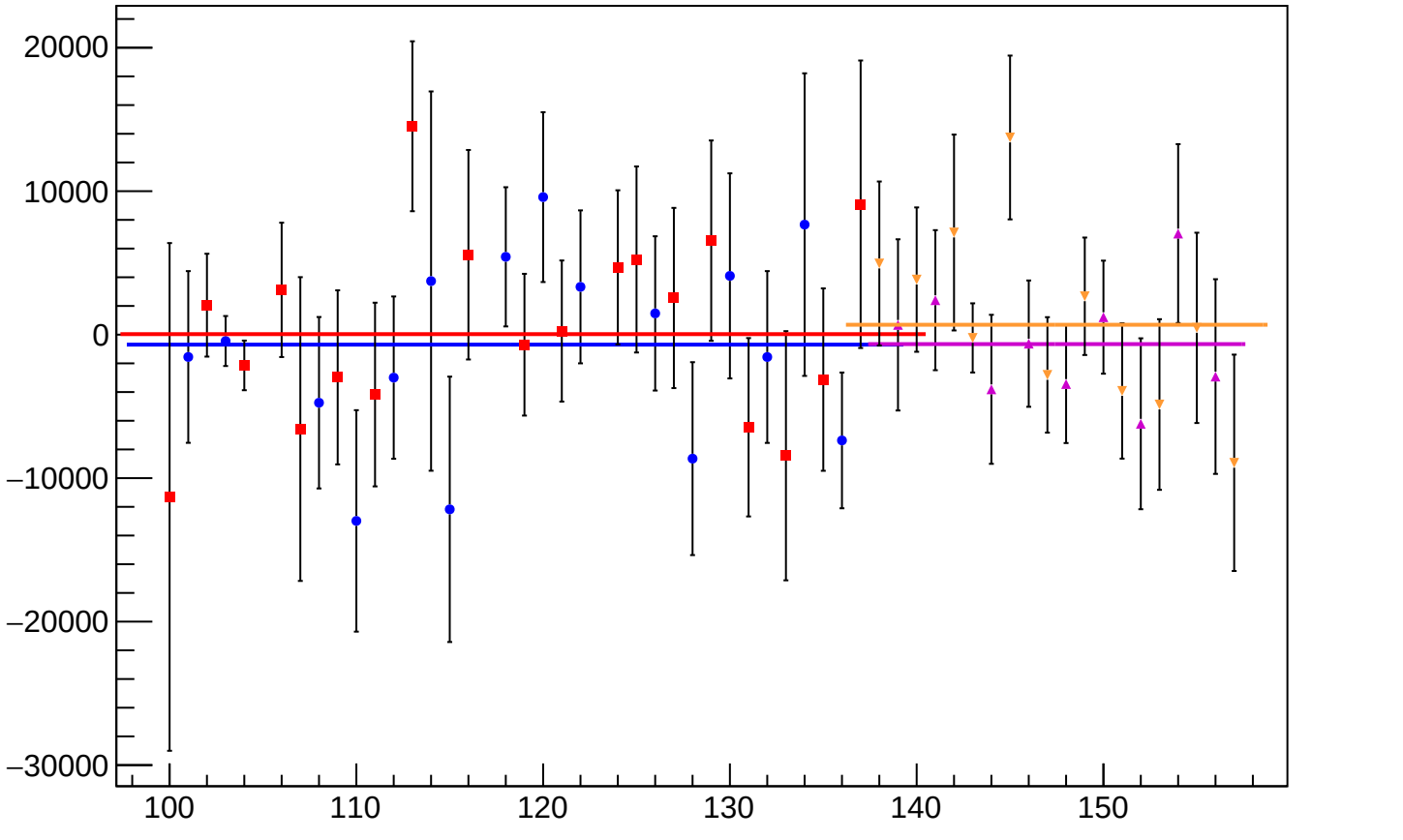
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1304.688+/-0.330 χ^2/NDF:15037.3/8

+ sign 1321.691+/-0.237 χ^2/NDF: 660896.6/26

All: 1316.189+/-0.168 χ^2/NDF: 1003625.2/54

- sign 1310.551+/-0.240 χ^2/NDF: 341635.2/27



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 690.011+/-1374.471 χ^2/NDF:11.7/10

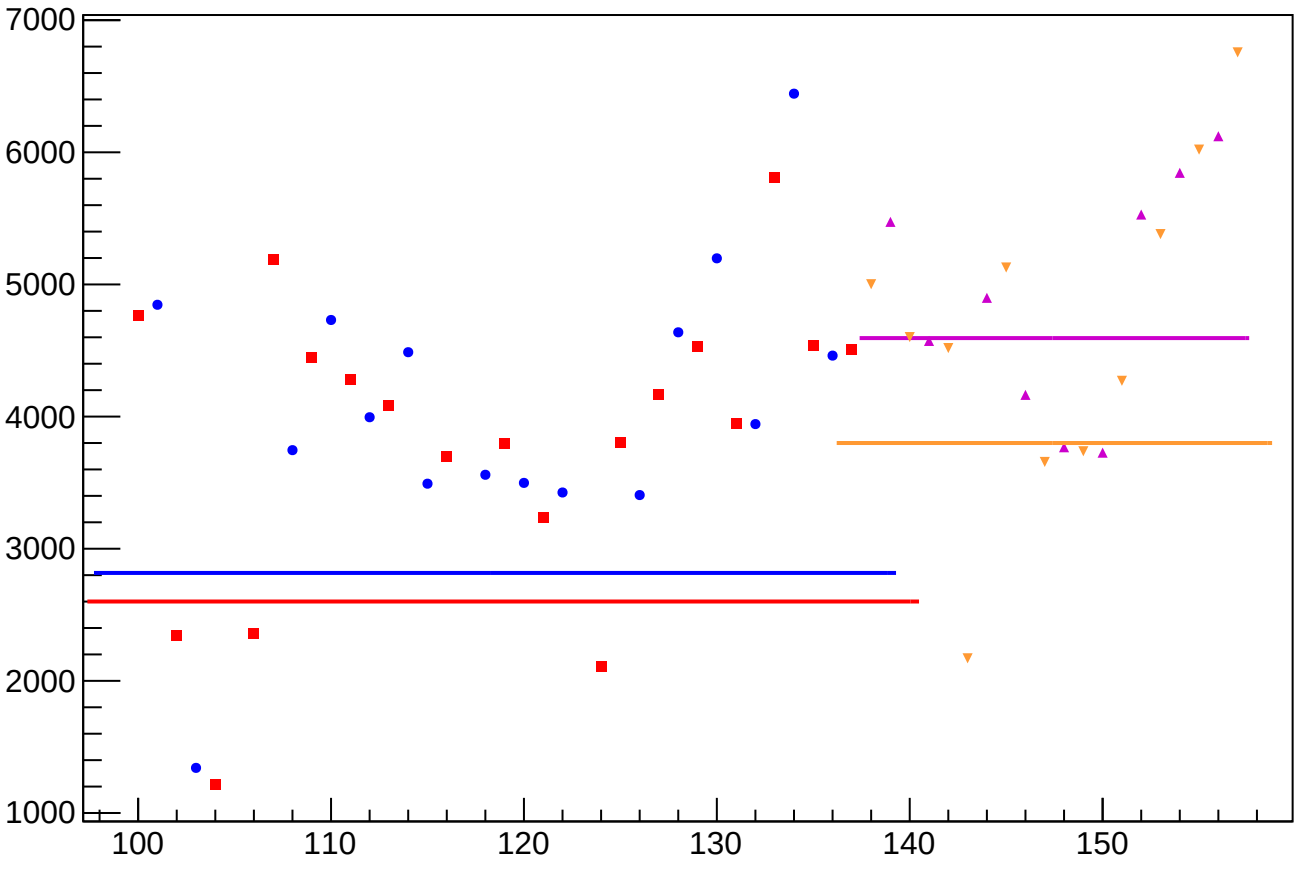
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -658.284+/-1671.478 χ^2/NDF:4.0/8

+ sign -106.077+/-896.378 χ^2/NDF: 26.9/26

All: -138.875+/-641.283 χ^2/NDF: 47.0/54

- sign -173.262+/-917.826 χ^2/NDF: 20.1/27



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

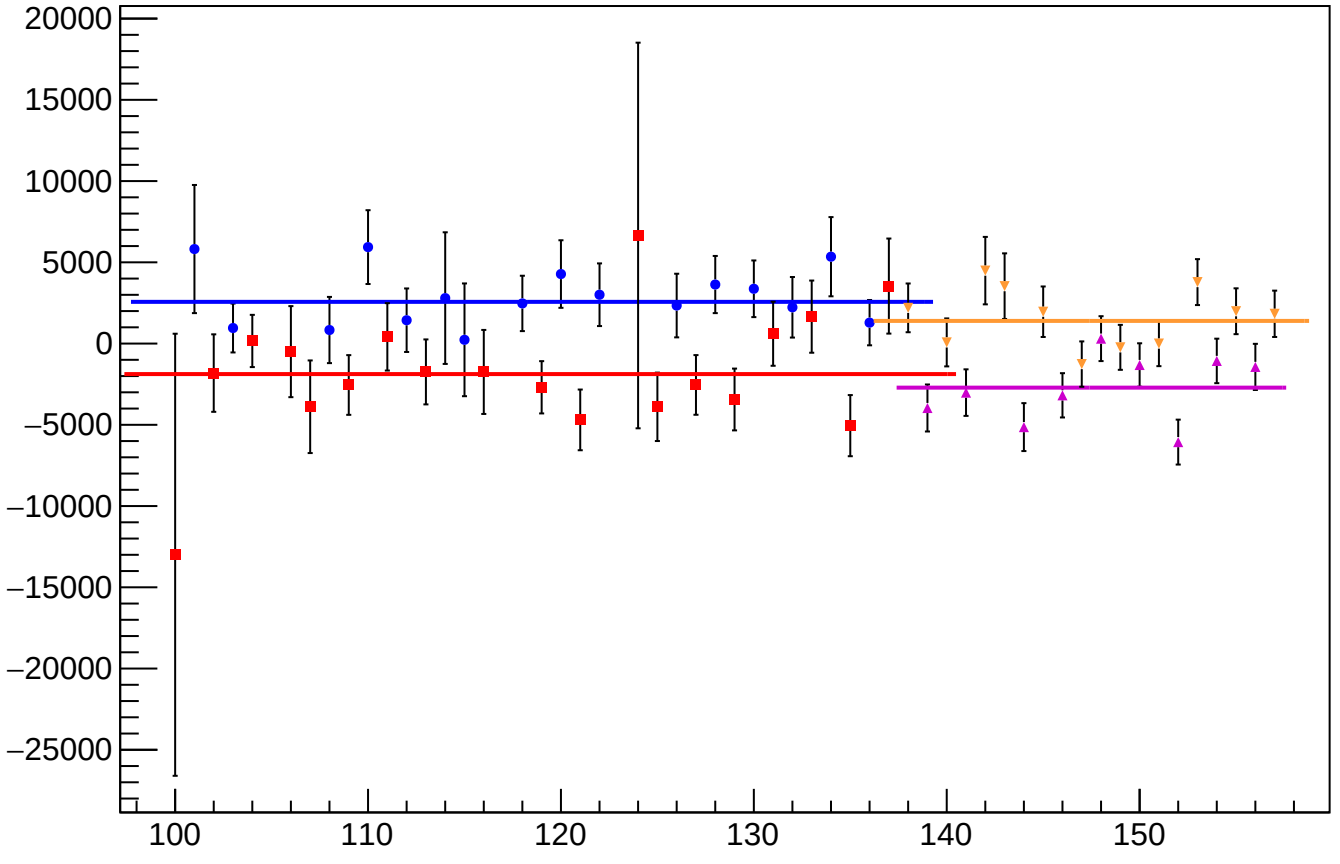
Left In: 4594.026+/-1.182 χ^2/NDF:478188.5/8

\+ sign 3234.969+/-0.634 χ^2/NDF: 5474952.8/26

All: 3218.684+/-0.453 χ^2/NDF: 11022341.0/5

\- sign 3201.609+/-0.649 χ^2/NDF: 5546035.8/27

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1394.431+/-454.377 χ^2/NDF:13.7/10

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

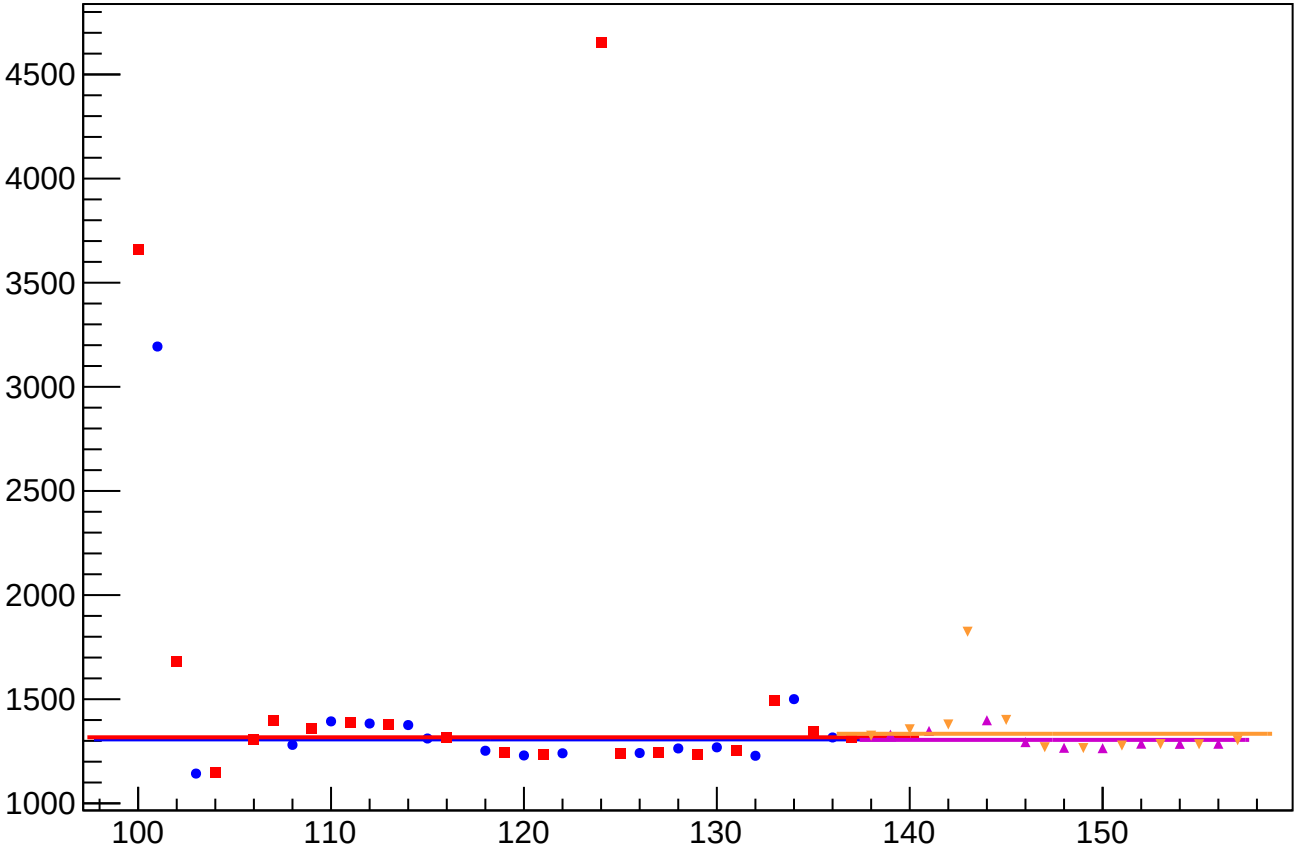
Left In: -2712.547+/-466.157 χ^2/NDF:17.6/8

+ sign 1930.288+/-334.847 χ^2/NDF: 25.8/26

All: -166.940+/-238.321 χ^2/NDF: 144.0/54

- sign -2319.952+/-339.271 χ^2/NDF: 38.7/27

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1333.994+/-0.321 χ^2/NDF:141436.9/10

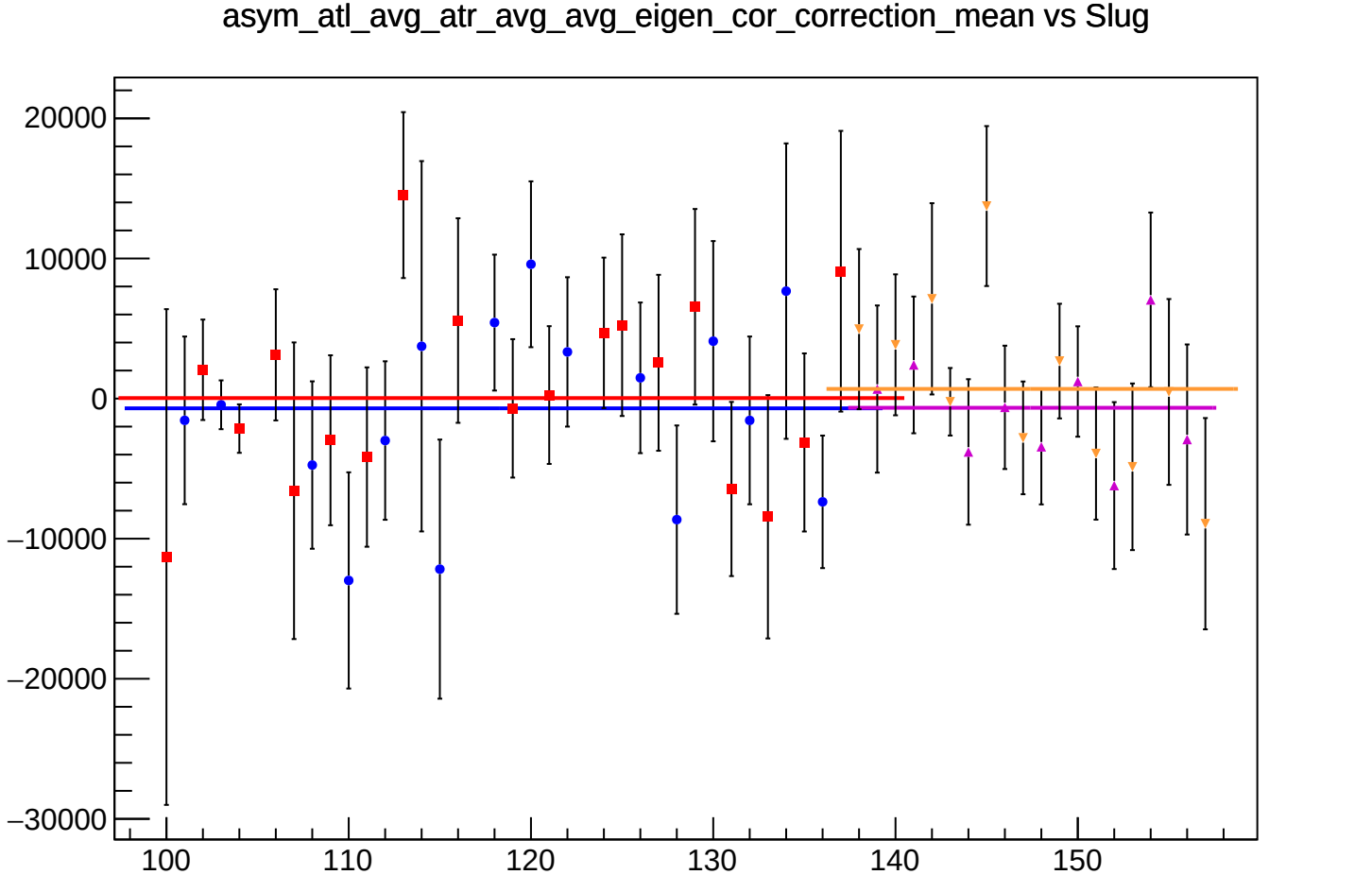
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1304.688+/-0.330 χ^2/NDF:15037.3/8

+ sign 1321.691+/-0.237 χ^2/NDF: 660896.6/26

All: 1316.189+/-0.168 χ^2/NDF: 1003625.2/54

- sign 1310.551+/-0.240 χ^2/NDF: 341635.2/27



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 690.011+/-1374.471 χ^2/NDF:11.7/10

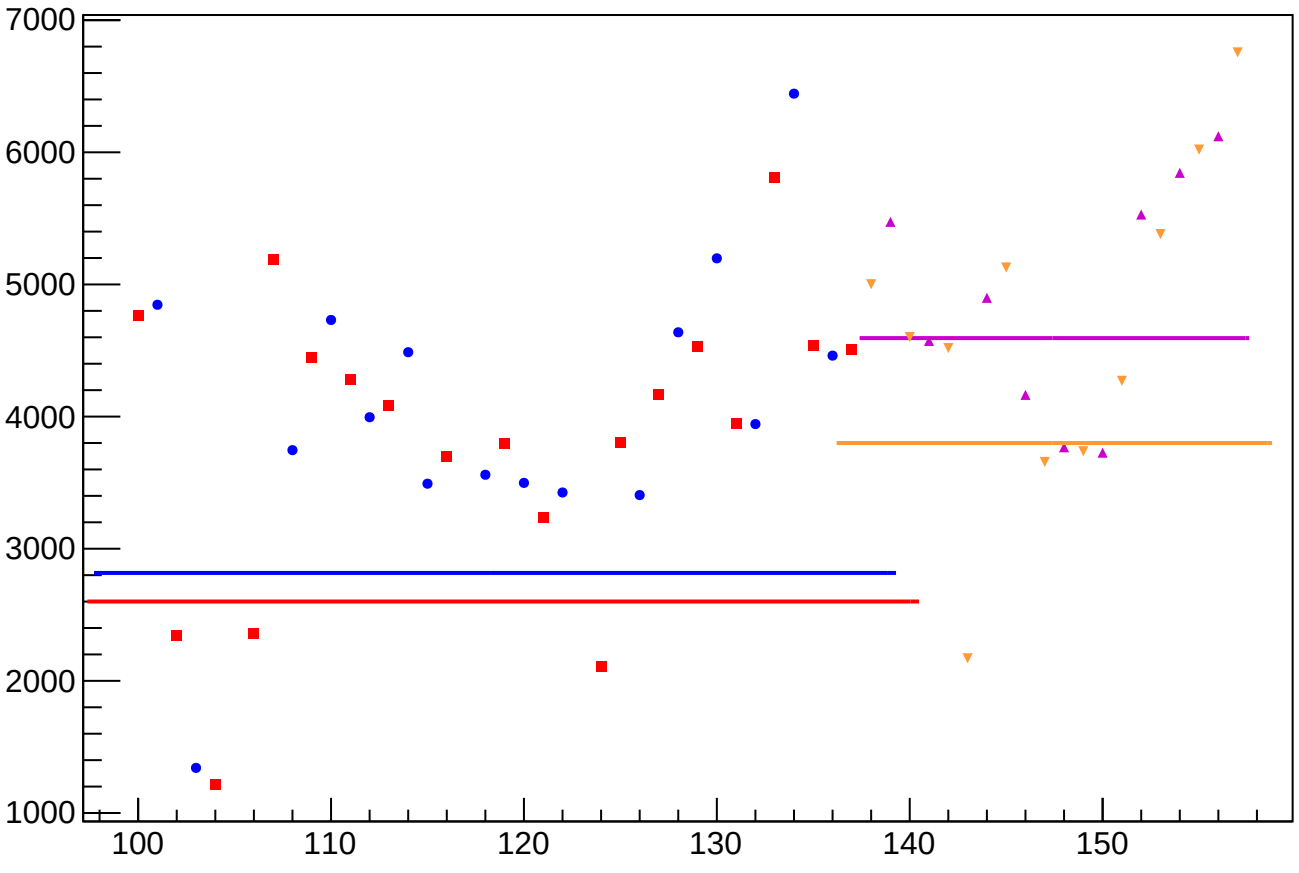
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -658.284+/-1671.478 χ^2/NDF:4.0/8

+ sign -106.077+/-896.378 χ^2/NDF: 26.9/26

All: -138.875+/-641.283 χ^2/NDF: 47.0/54

- sign -173.262+/-917.826 χ^2/NDF: 20.1/27



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3800.020+/-0.972 χ^2/NDF:1879211.4/10

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

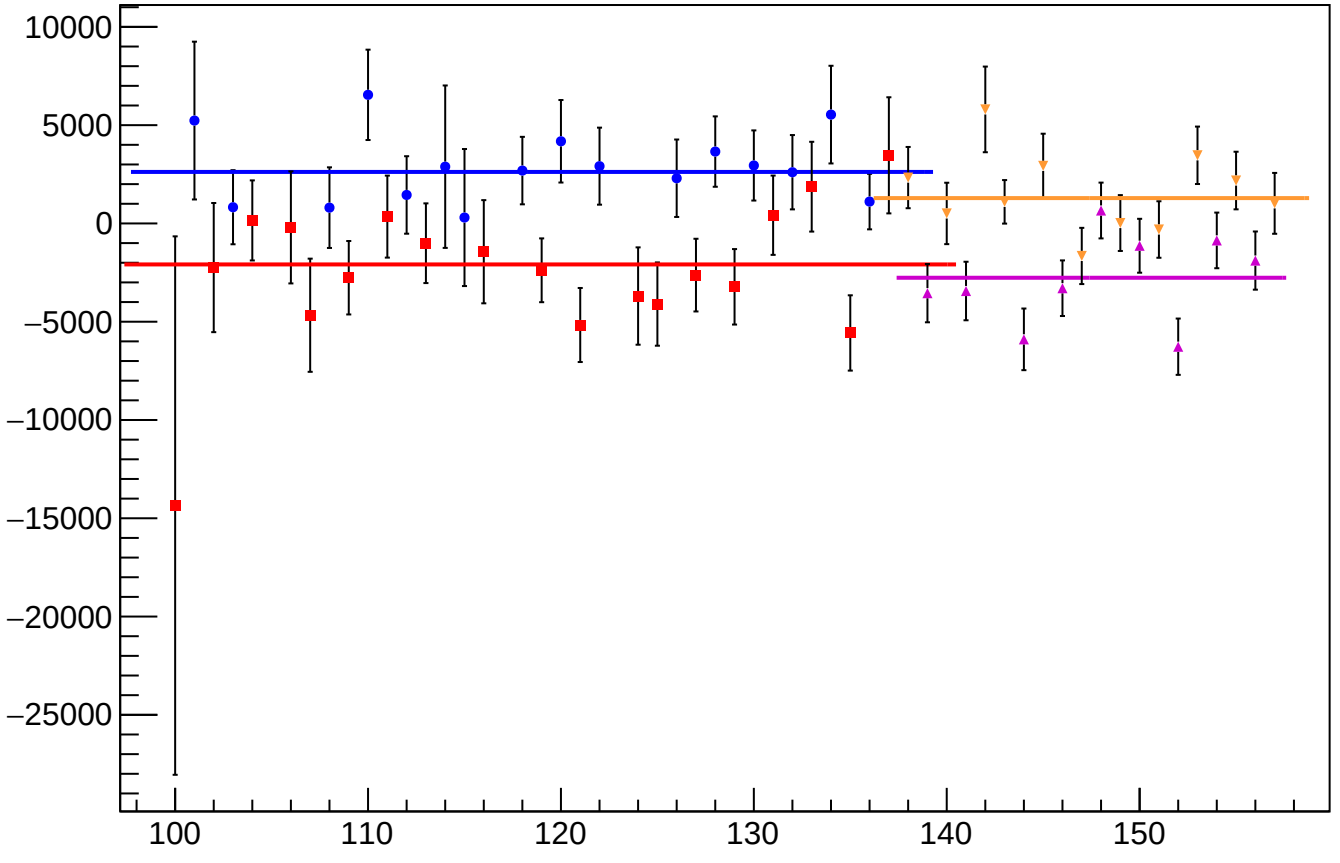
Left In: 4594.026+/-1.182 χ^2/NDF:478188.5/8

\+ sign 3234.969+/-0.634 χ^2/NDF: 5474952.8/26

All: 3218.684+/-0.453 χ^2/NDF: 11022341.0/5

\- sign 3201.609+/-0.649 χ^2/NDF: 5546035.8/27

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.434+/-445.389 χ^2/NDF:14.9/10

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

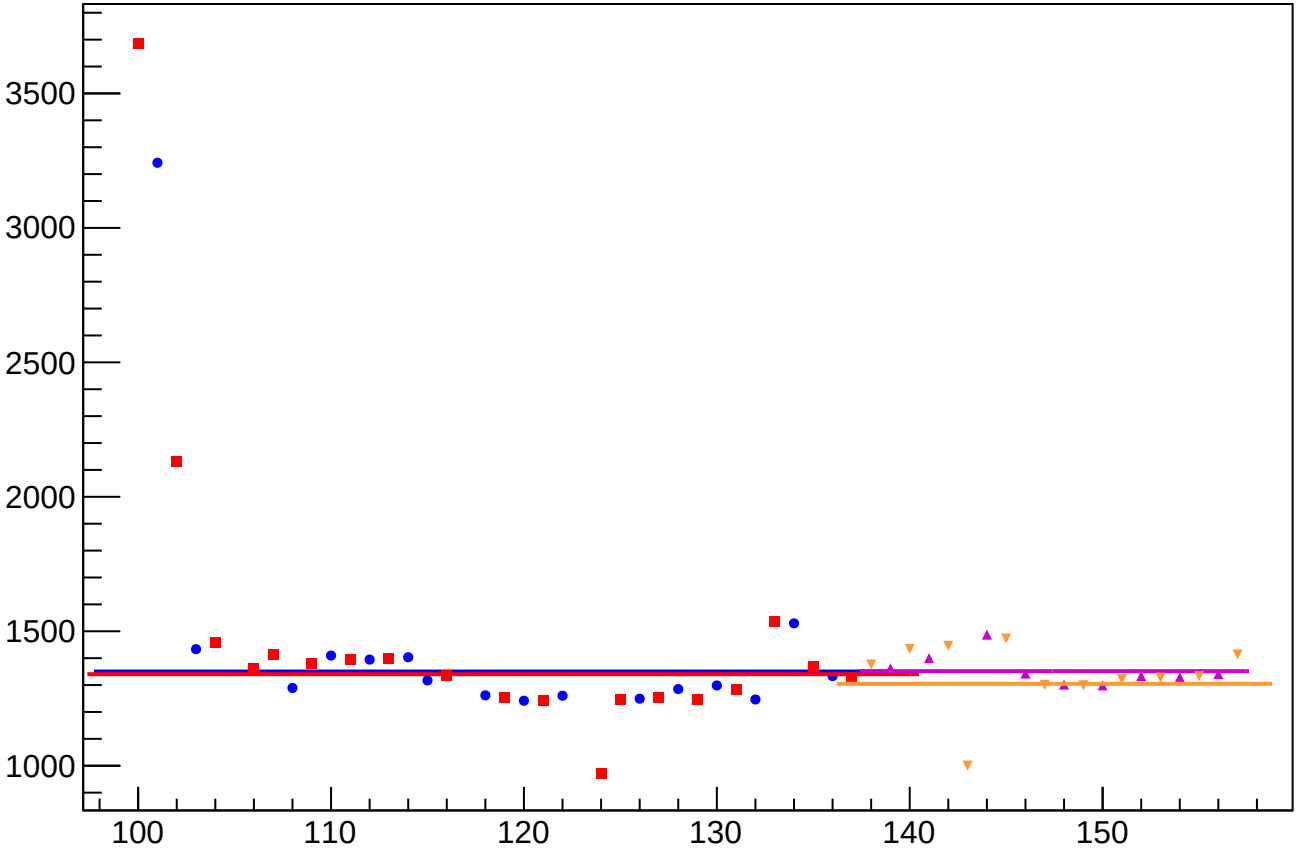
Left In: -2763.425+/-483.117 χ^2/NDF:20.0/8

+ sign 1863.443+/-335.898 χ^2/NDF: 28.1/26

All: -205.388+/-242.033 χ^2/NDF: 148.9/54

- sign -2439.435+/-349.053 χ^2/NDF: 41.9/27

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1304.646+/-0.315 χ^2/NDF:210104.3/10

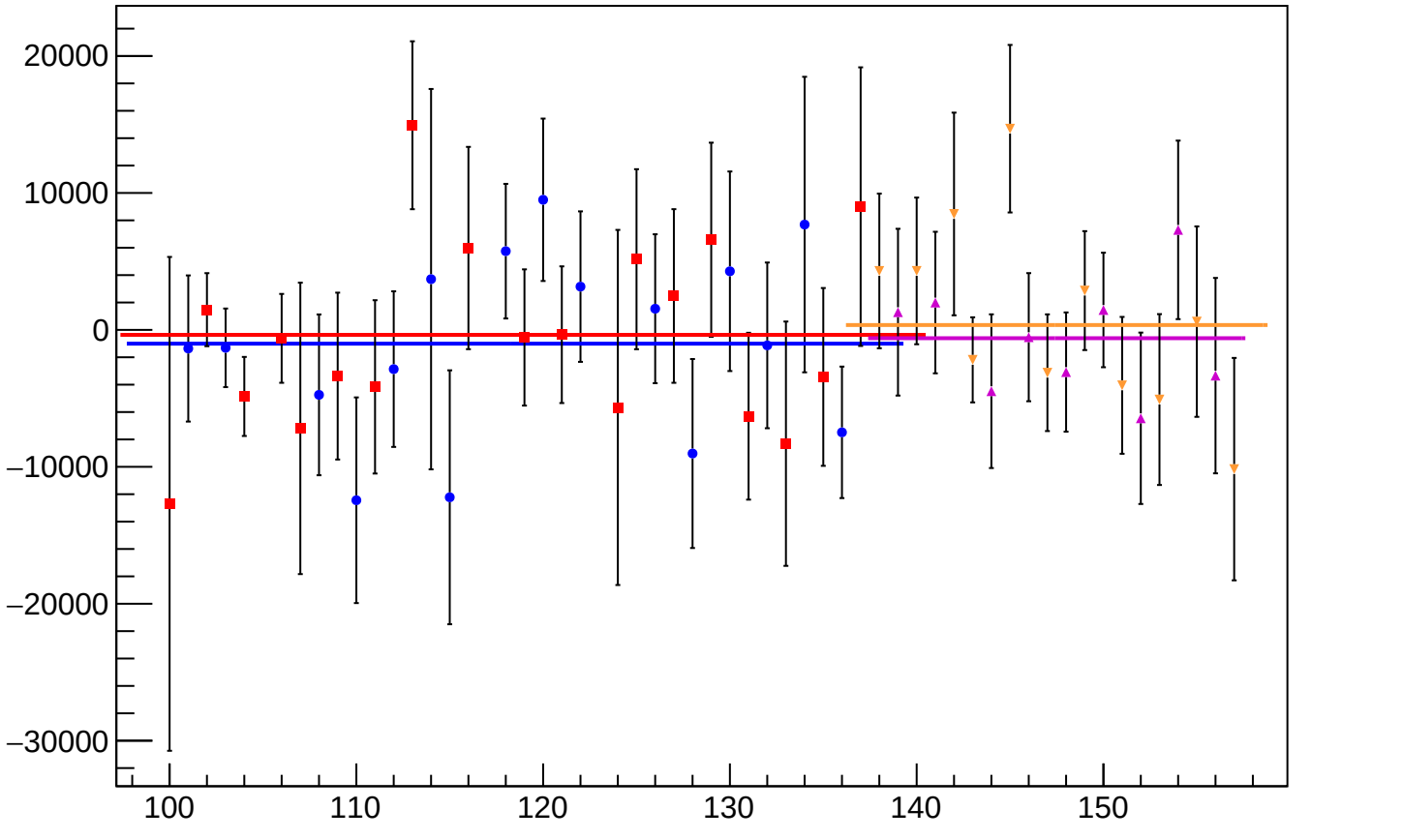
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1351.628+/-0.342 χ^2/NDF:23750.7/8

+ sign 1324.363+/-0.238 χ^2/NDF: 713244.7/26

All: 1334.900+/-0.171 χ^2/NDF: 1013784.8/54

- sign 1346.271+/-0.247 χ^2/NDF: 296448.2/27



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 355.307+/-1534.893 χ^2/NDF:12.6/10

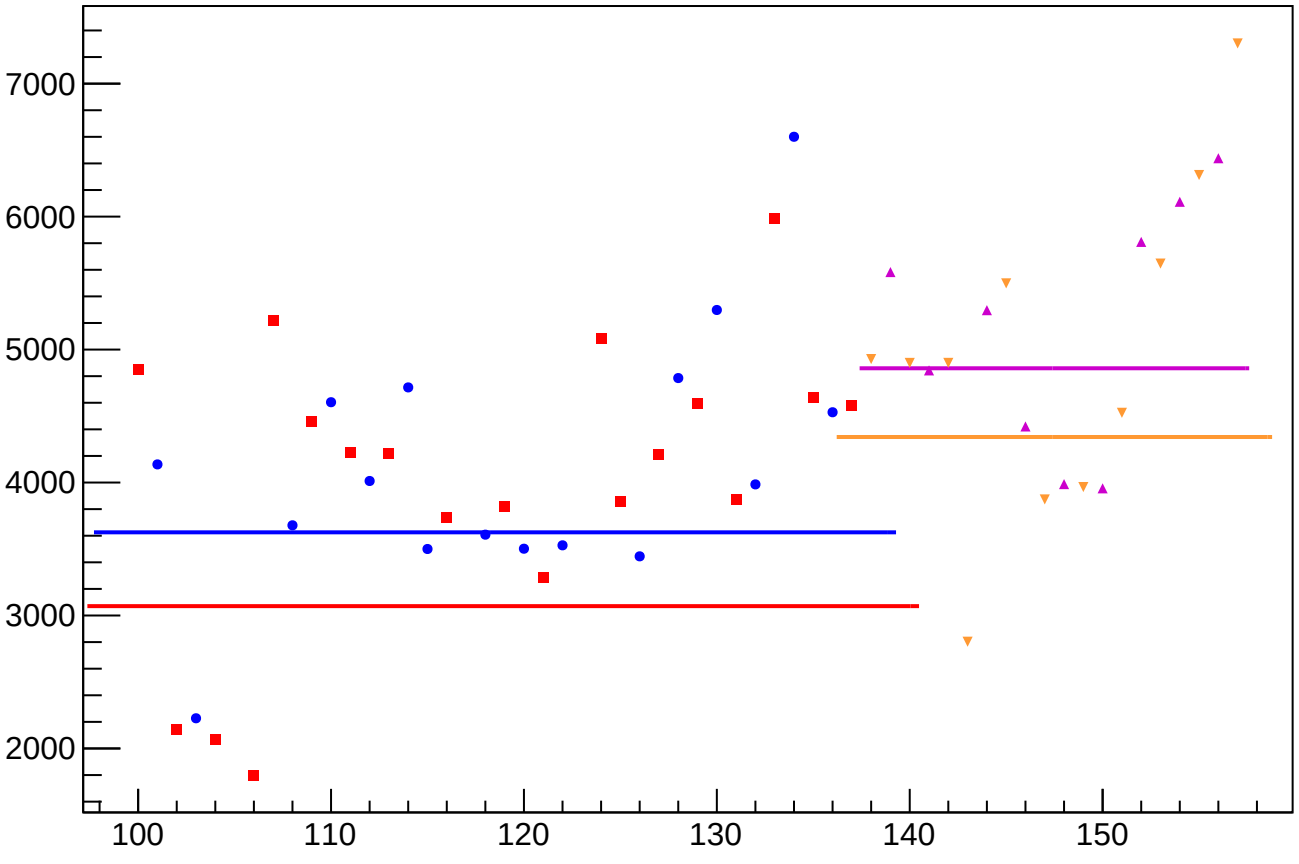
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -607.753+/-1766.460 χ^2/NDF:3.9/8

+ sign -386.045+/-1036.151 χ^2/NDF: 27.6/26

All: -414.935+/-717.316 χ^2/NDF: 47.8/54

- sign -441.525+/-994.036 χ^2/NDF: 20.1/27



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4342.426+/-1.085 χ^2/NDF:1172638.6/10

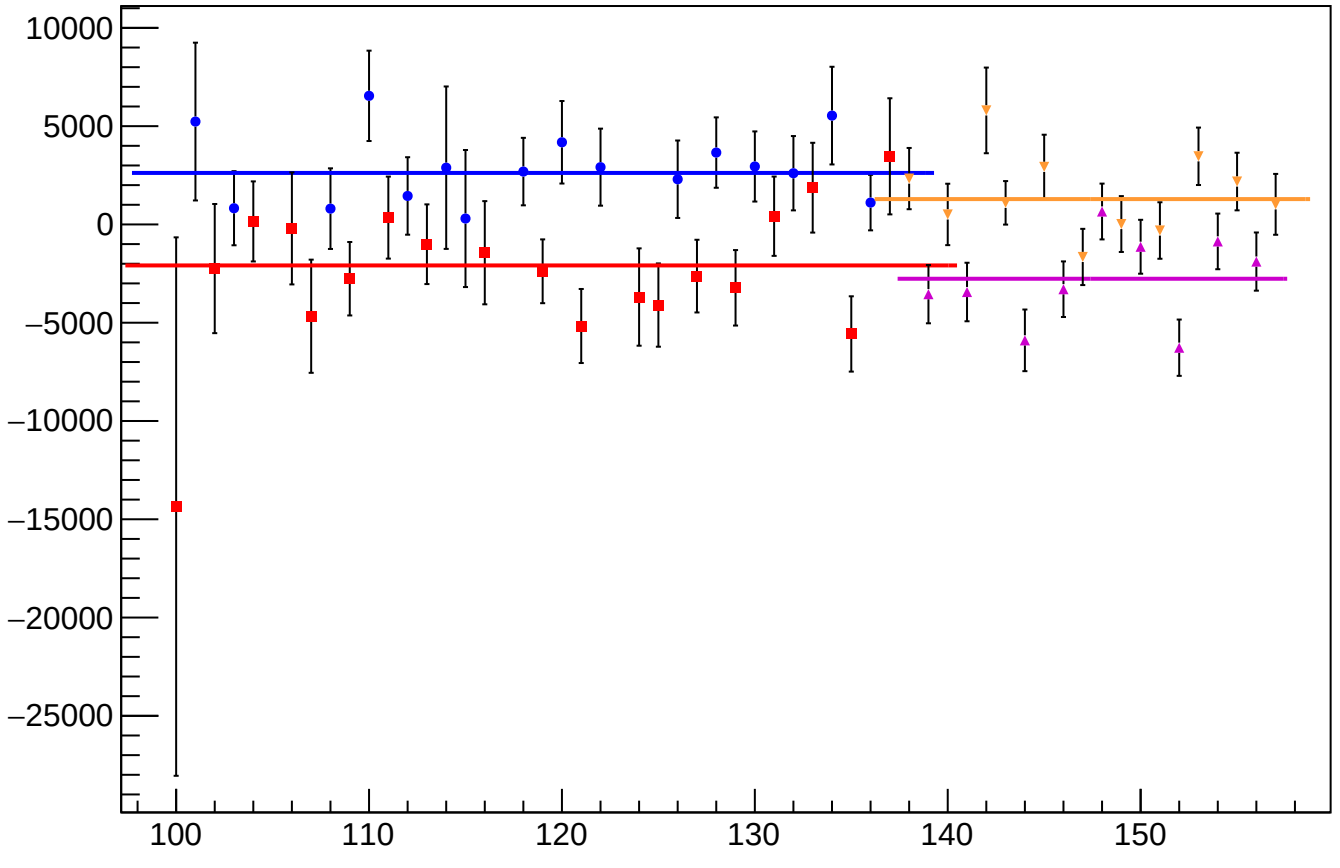
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4859.352+/-1.249 χ^2/NDF:449163.1/8

+ sign 3952.218+/-0.733 χ^2/NDF: 2355029.3/26

All: 3788.033+/-0.507 χ^2/NDF: 6140920.9/54

- sign 3636.923+/-0.703 χ^2/NDF: 3689456.4/27



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1289.433+/-445.389 χ^2/NDF:14.9/10

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

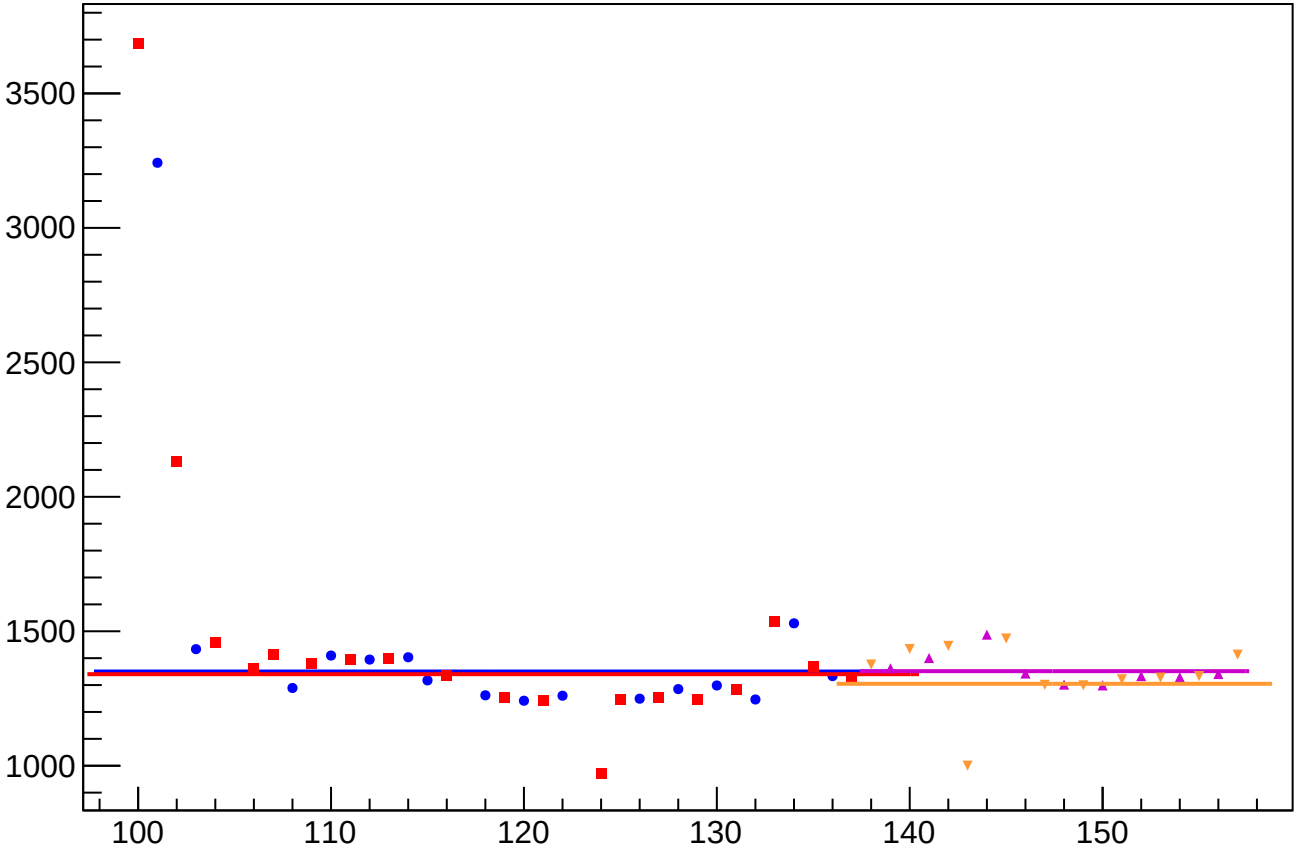
Left In: -2763.423+/-483.117 χ^2/NDF:20.0/8

+ sign 1863.443+/-335.899 χ^2/NDF: 28.1/26

All: -205.388+/-242.033 χ^2/NDF: 148.9/54

- sign -2439.434+/-349.053 χ^2/NDF: 41.9/27

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1304.647+/-0.315 χ^2/NDF:210104.7/10

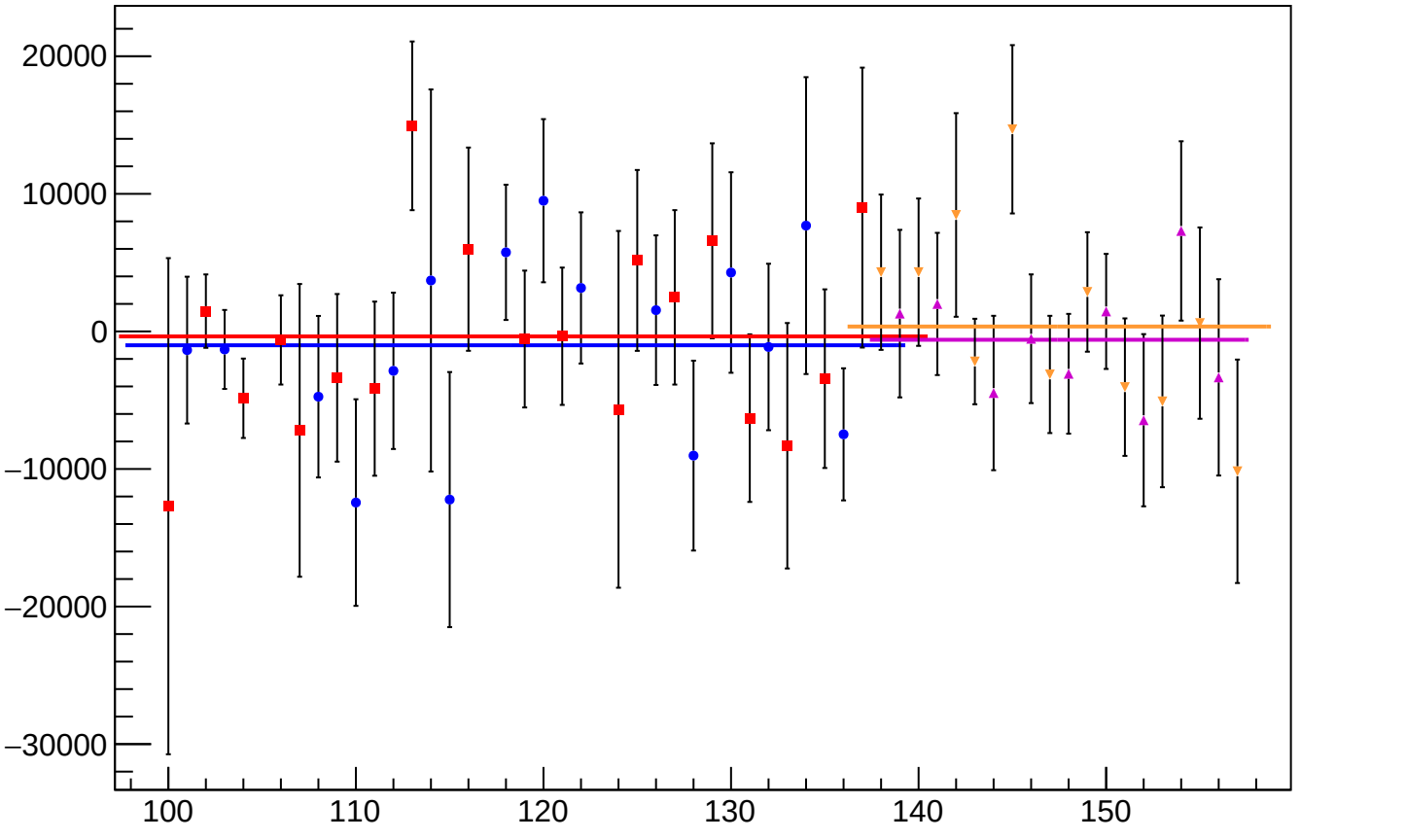
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1351.629+/-0.342 χ^2/NDF:23750.9/8

+ sign 1324.363+/-0.238 χ^2/NDF: 713244.7/26

All: 1334.900+/-0.171 χ^2/NDF: 1013784.2/54

- sign 1346.271+/-0.247 χ^2/NDF: 296447.6/27



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 355.303+/-1534.895 χ^2/NDF:12.6/10

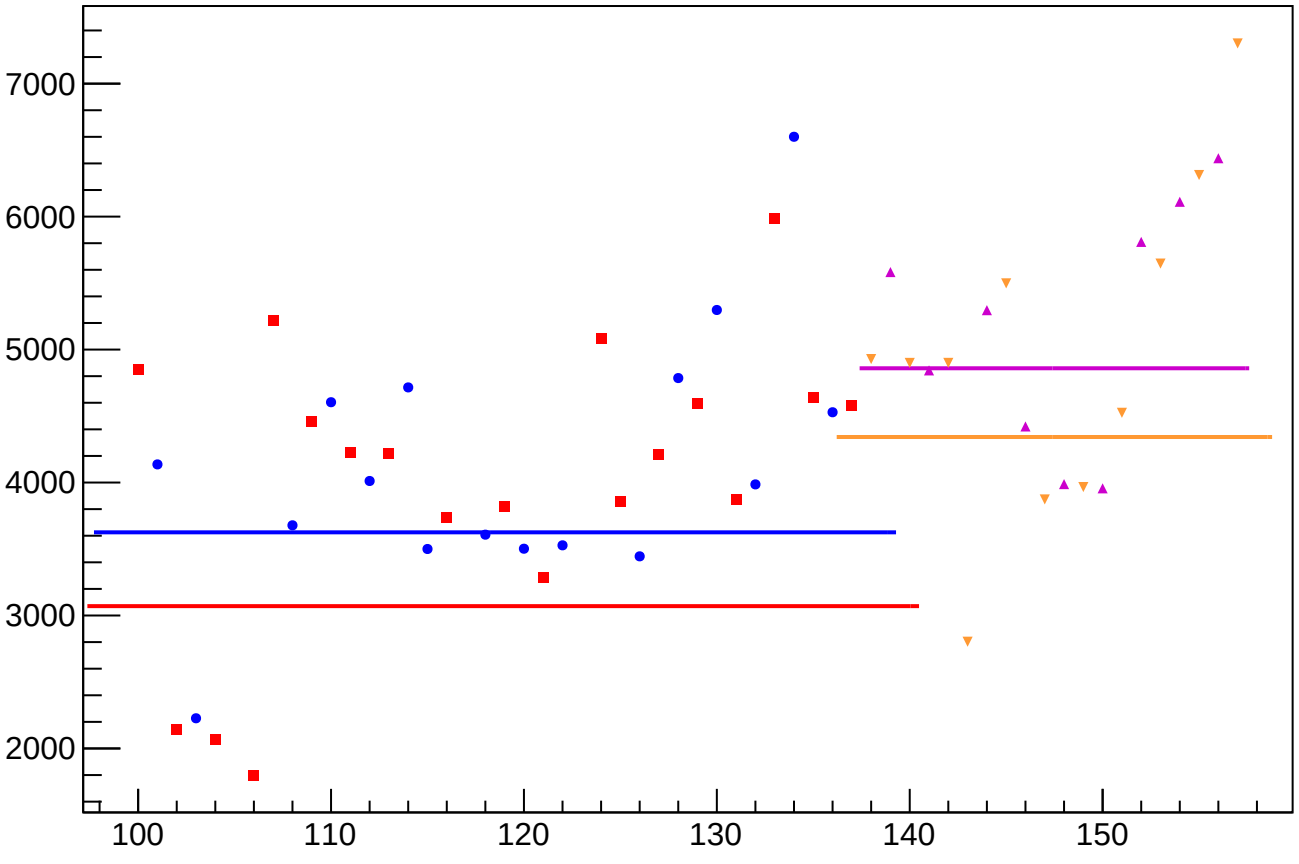
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -607.751+/-1766.462 χ^2/NDF:3.9/8

+ sign -386.045+/-1036.151 χ^2/NDF: 27.6/26

All: -414.935+/-717.316 χ^2/NDF: 47.8/54

- sign -441.524+/-994.035 χ^2/NDF: 20.1/27



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4342.432+/-1.085 χ^2/NDF:1172637.8/10

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

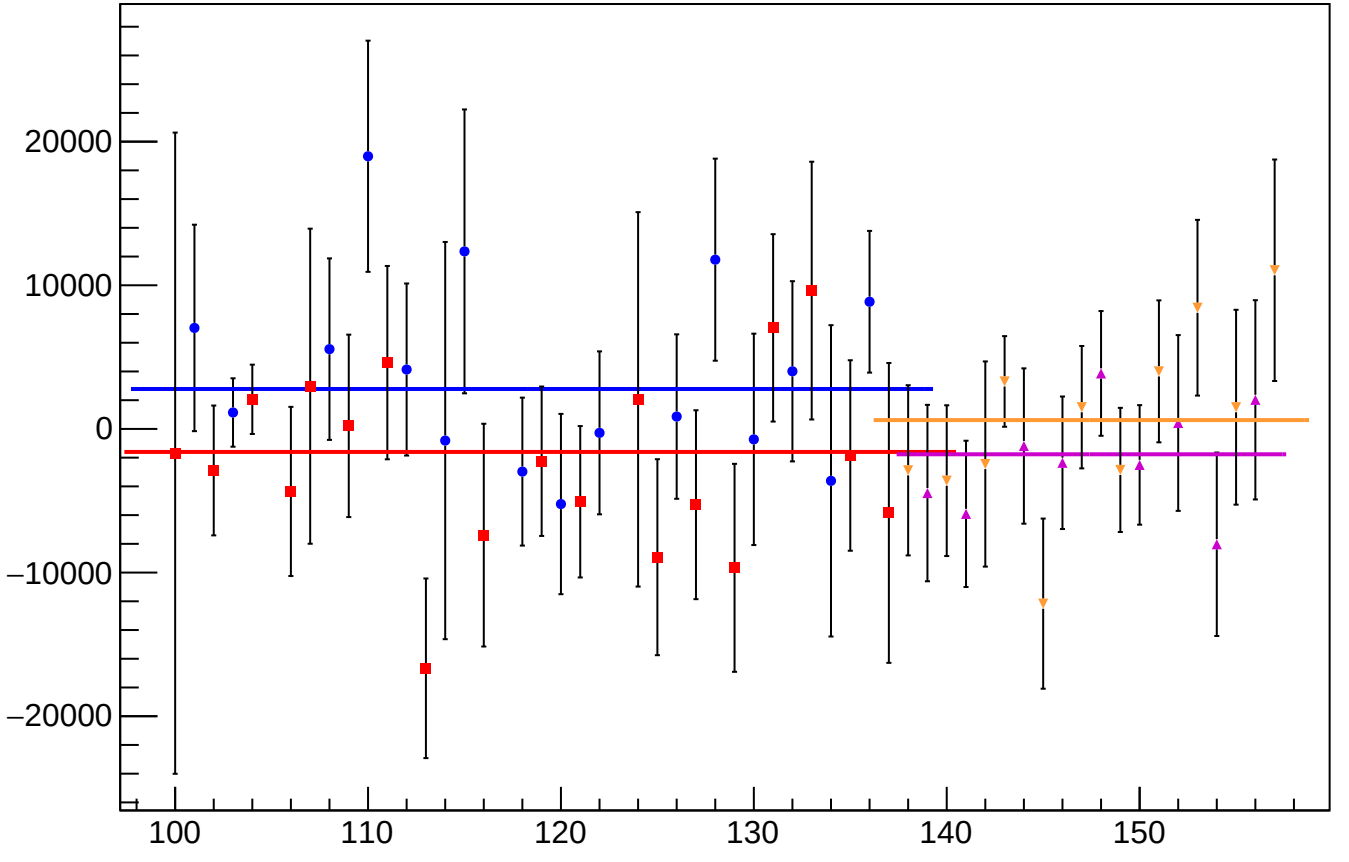
Left In: 4859.358+/-1.249 χ^2/NDF:449163.5/8

+ sign 3952.215+/-0.733 χ^2/NDF: 2355040.9/26

All: 3788.027+/-0.507 χ^2/NDF: 6140961.1/54

- sign 3636.916+/-0.703 χ^2/NDF: 3689482.6/27

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 615.124+/-1528.063 χ^2/NDF:11.2/10

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

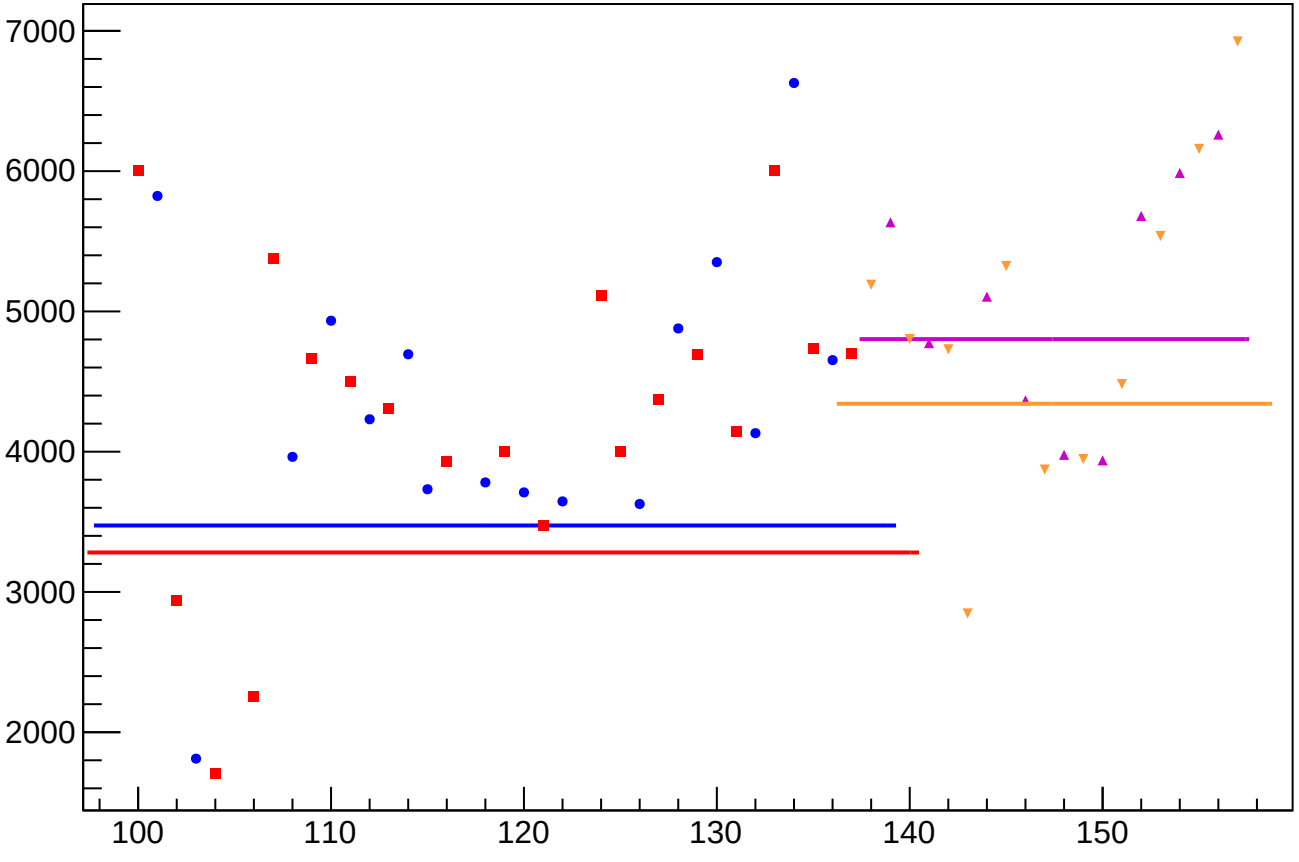
Left In: -1766.071+/-1743.150 χ^2/NDF:4.0/8

+ sign 1800.674+/-1028.005 χ^2/NDF: 25.5/26

All: 123.270+/-738.261 χ^2/NDF: 51.8/54

- sign -1663.166+/-1060.889 χ^2/NDF: 20.8/27

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4341.858+/-1.081 χ^2/NDF:1053422.3/10

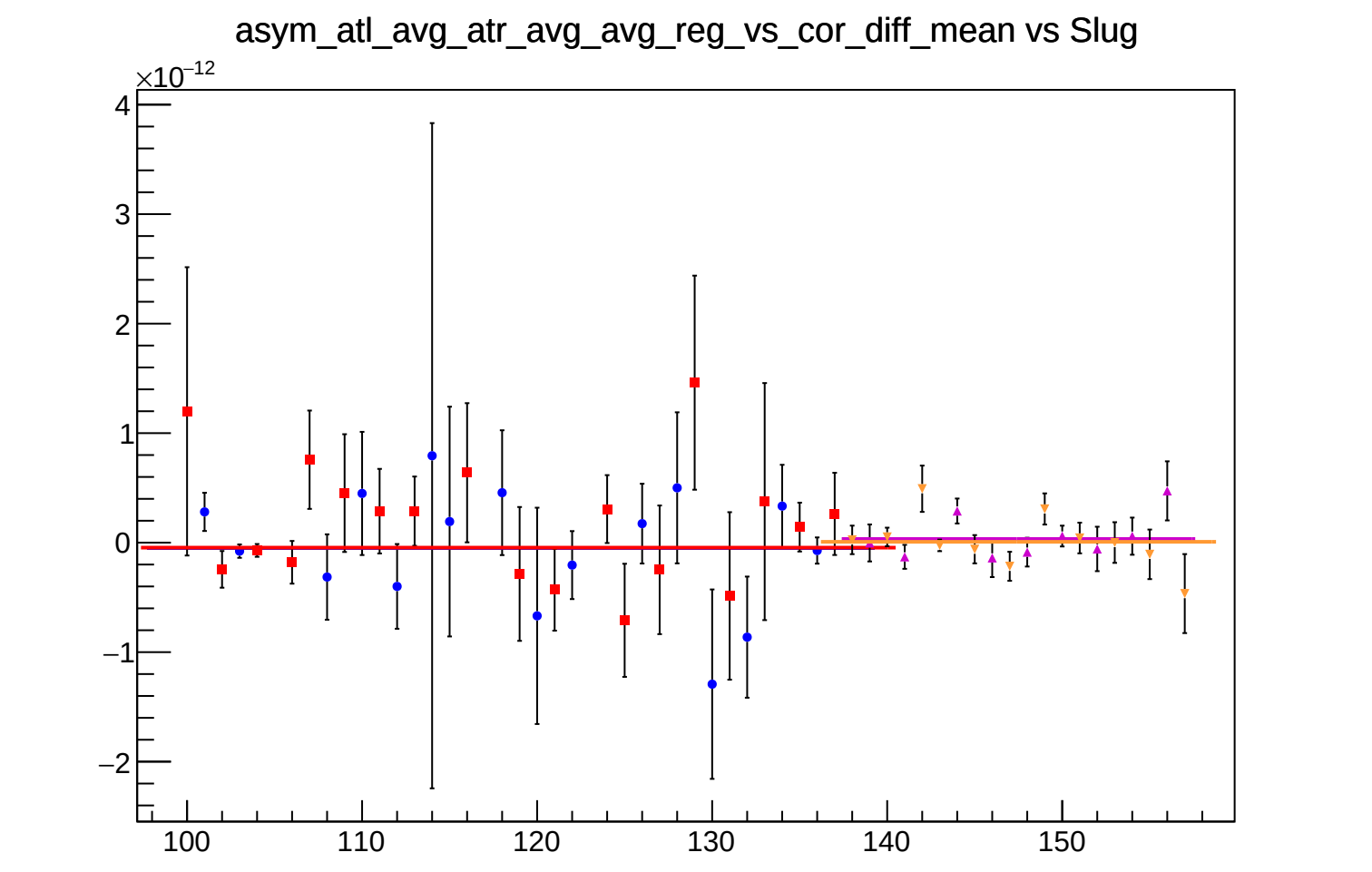
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

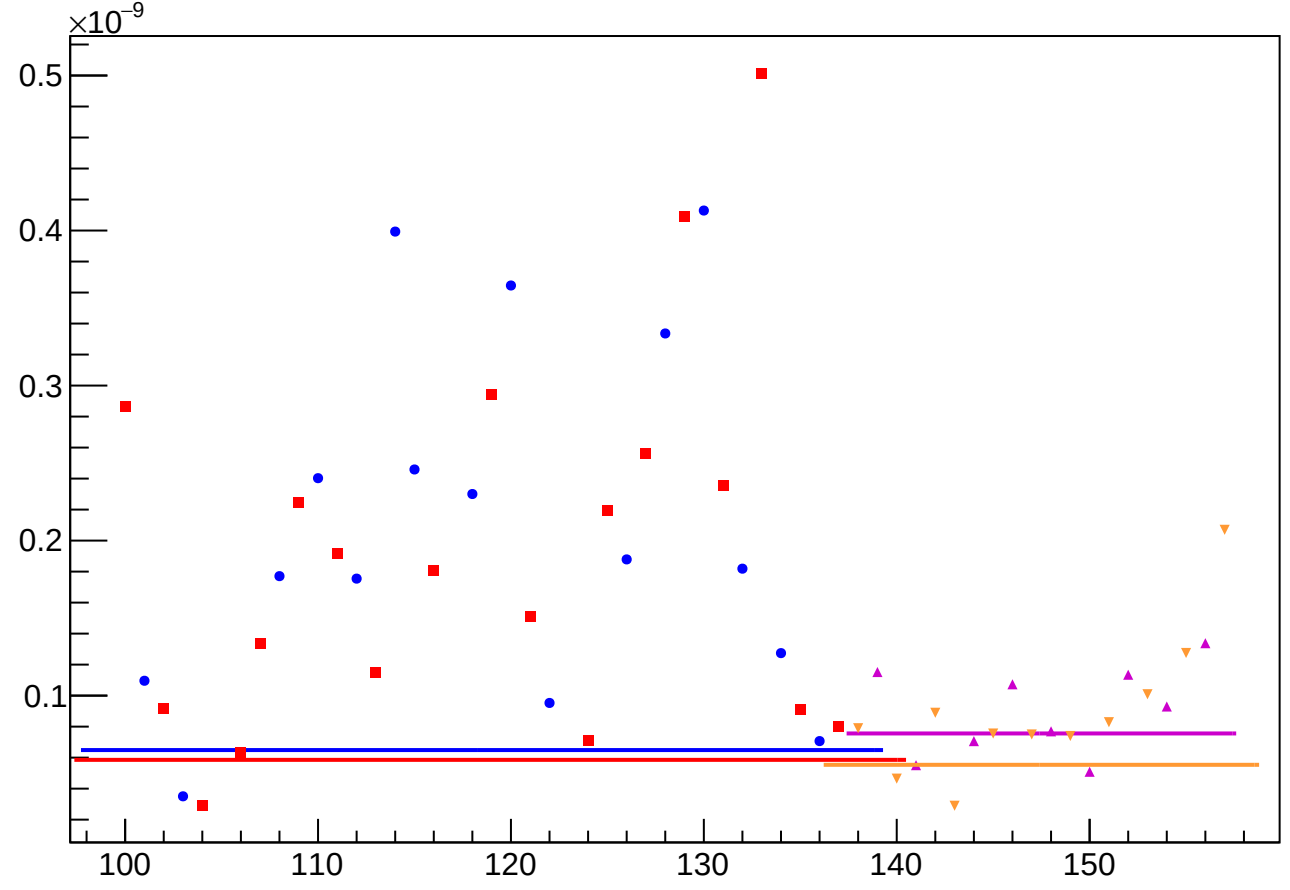
Left In: 4802.545+/-1.233 χ^2/NDF:417879.8/8

+ sign 3866.727+/-0.727 χ^2/NDF: 3250619.0/26

All: 3851.300+/-0.520 χ^2/NDF: 6513441.1/54

- sign 3835.153+/-0.744 χ^2/NDF: 3261900.3/27


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:15.5/10
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:12.1/8
+ sign -0.000+/-0.000 χ²/NDF: 30.2/26
All: -0.000+/-0.000 χ²/NDF: 62.2/54
- sign -0.000+/-0.000 χ²/NDF: 32.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517864.1/10

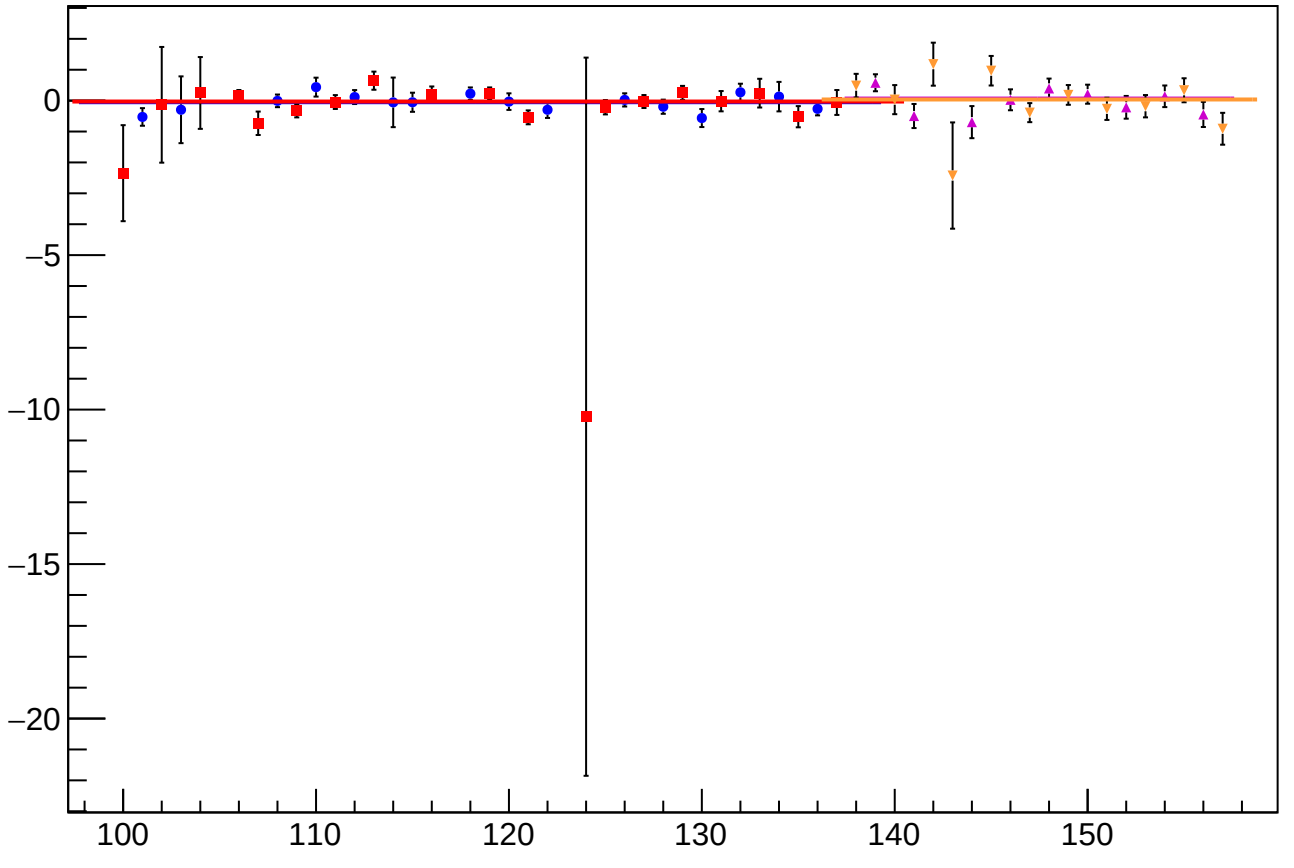
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:568549.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 4162073.9/26

All: 0.000+/-0.000 χ^2/NDF: 7800269.1/54

- sign 0.000+/-0.000 χ^2/NDF: 3555758.3/27



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

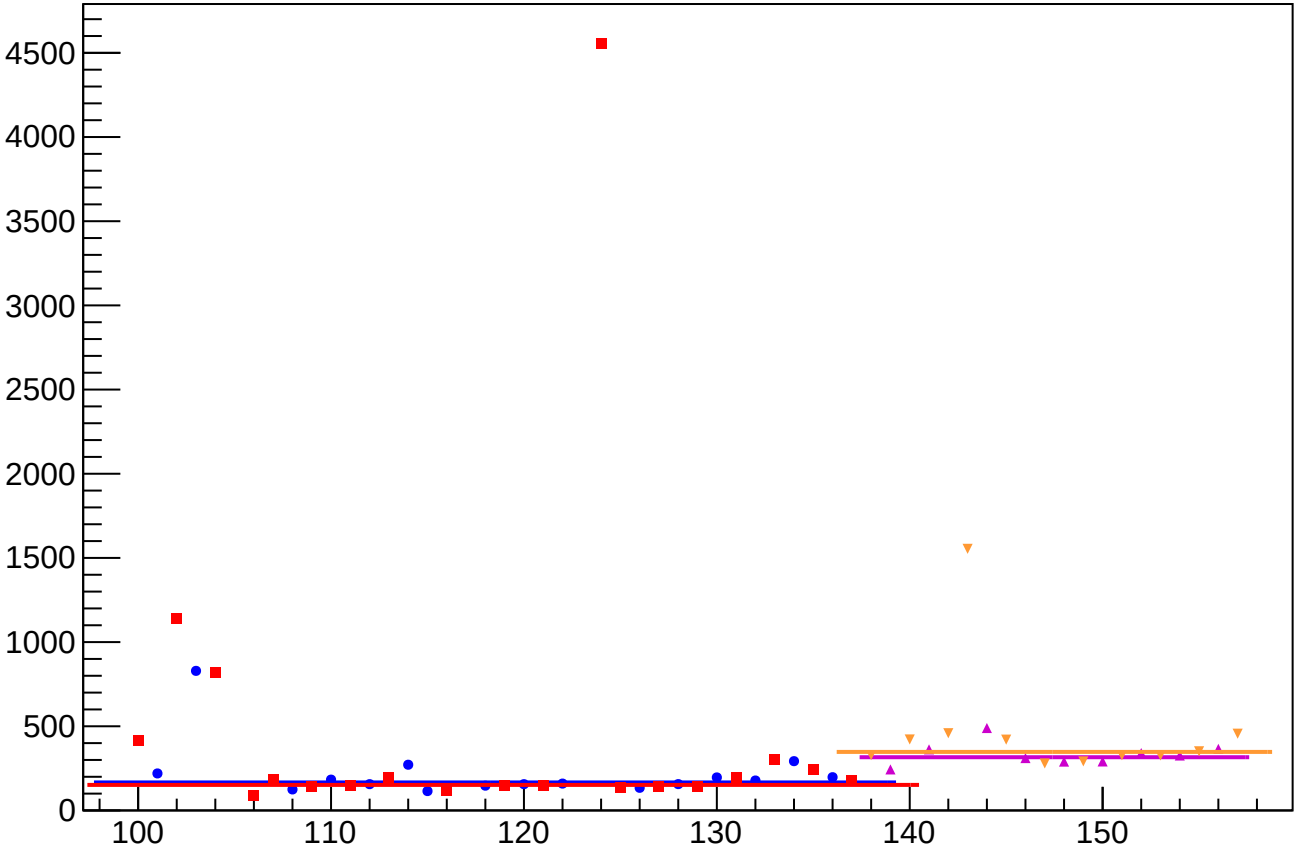
Left In: 0.067+/-0.116 χ^2/NDF:11.2/8

\+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.018+/-0.041 χ^2/NDF: 71.7/54

\- sign -0.007+/-0.056 χ^2/NDF: 39.3/27

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 347.741+/-0.088 χ^2/NDF:1397143.7/10

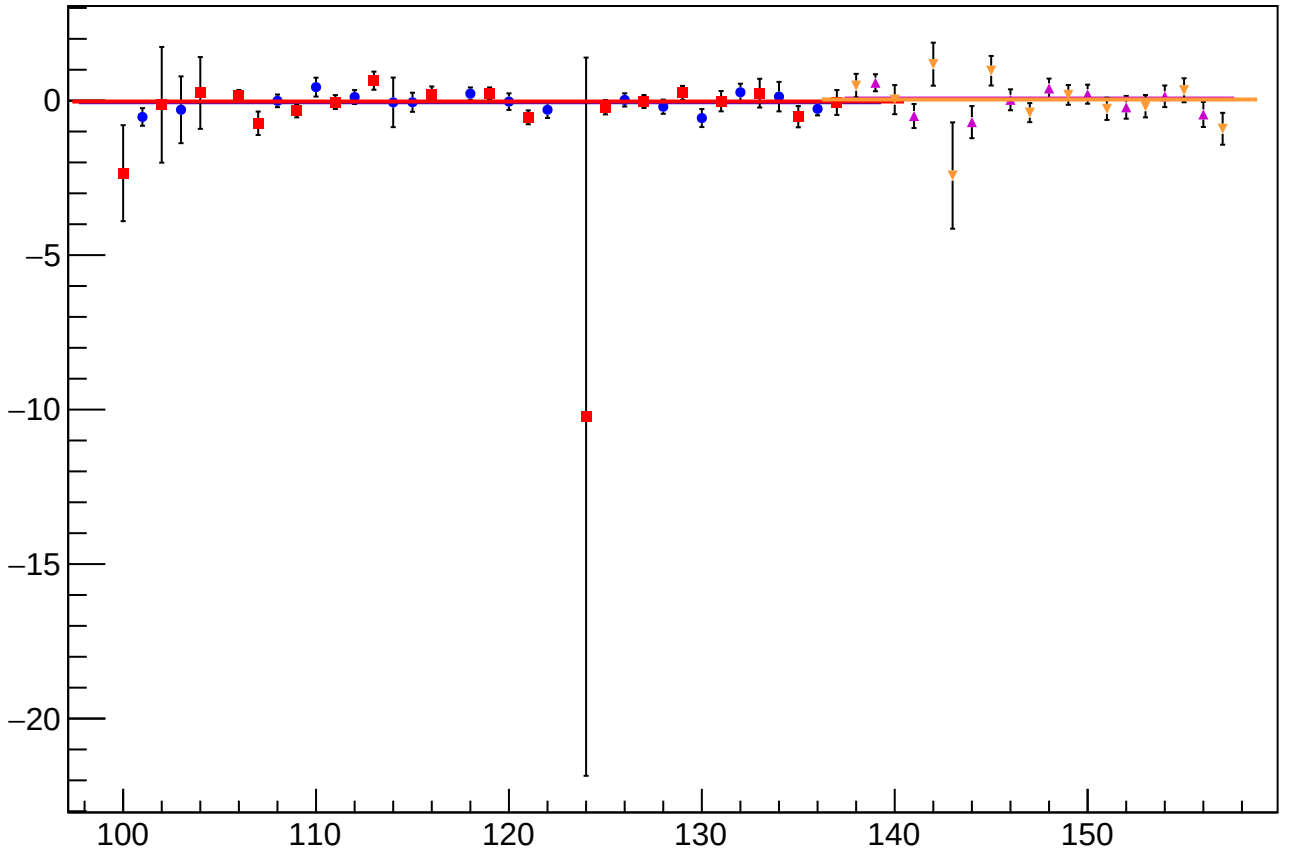
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 316.161+/-0.082 χ^2/NDF:457735.1/8

+ sign 206.709+/-0.042 χ^2/NDF: 5967144.3/26

All: 198.018+/-0.029 χ^2/NDF: 11898478.9/54

- sign 190.128+/-0.040 χ^2/NDF: 5848088.4/27



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

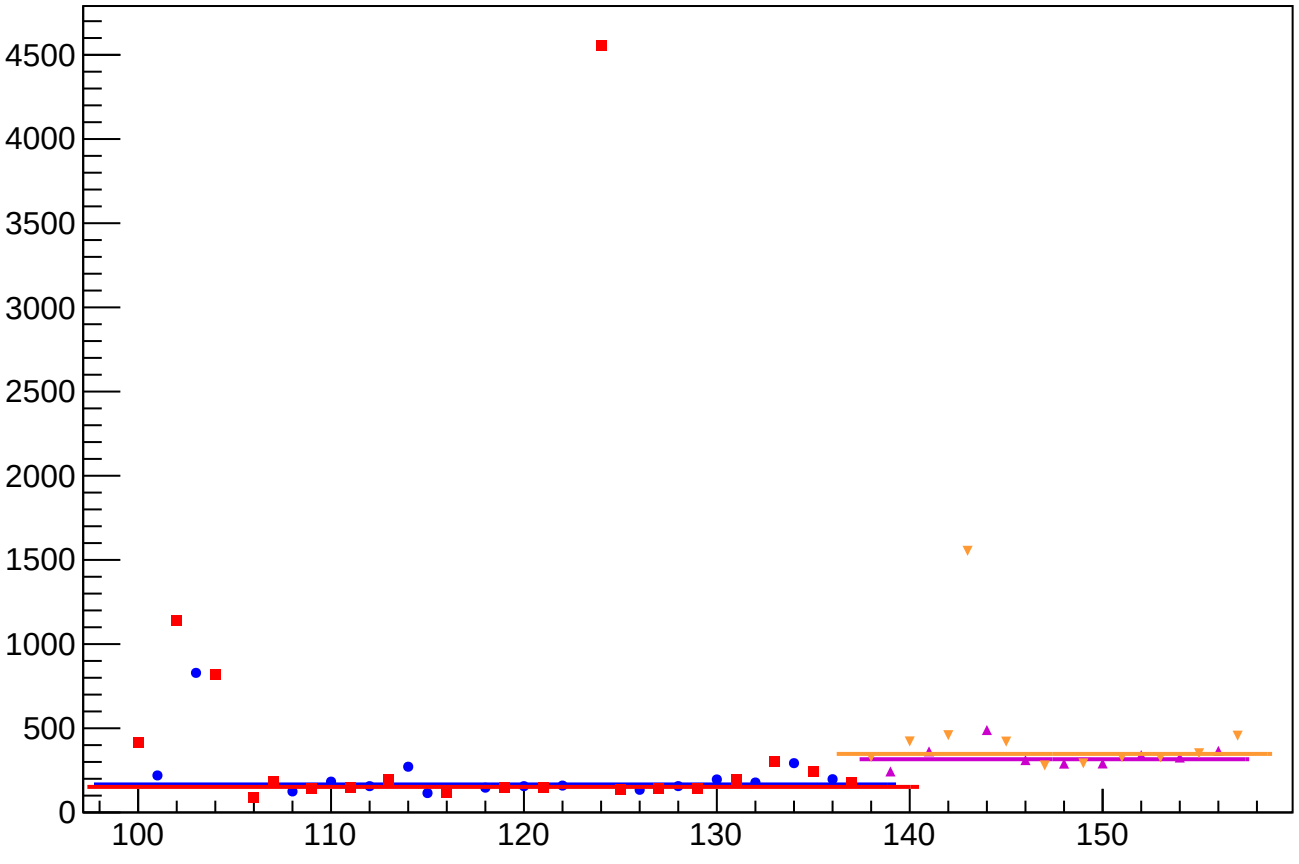
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.067+/-0.116 χ^2/NDF:11.2/8

+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.018+/-0.041 χ^2/NDF: 71.7/54

- sign -0.007+/-0.056 χ^2/NDF: 39.3/27



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 347.741+/-0.088 χ^2/NDF:1397143.7/10

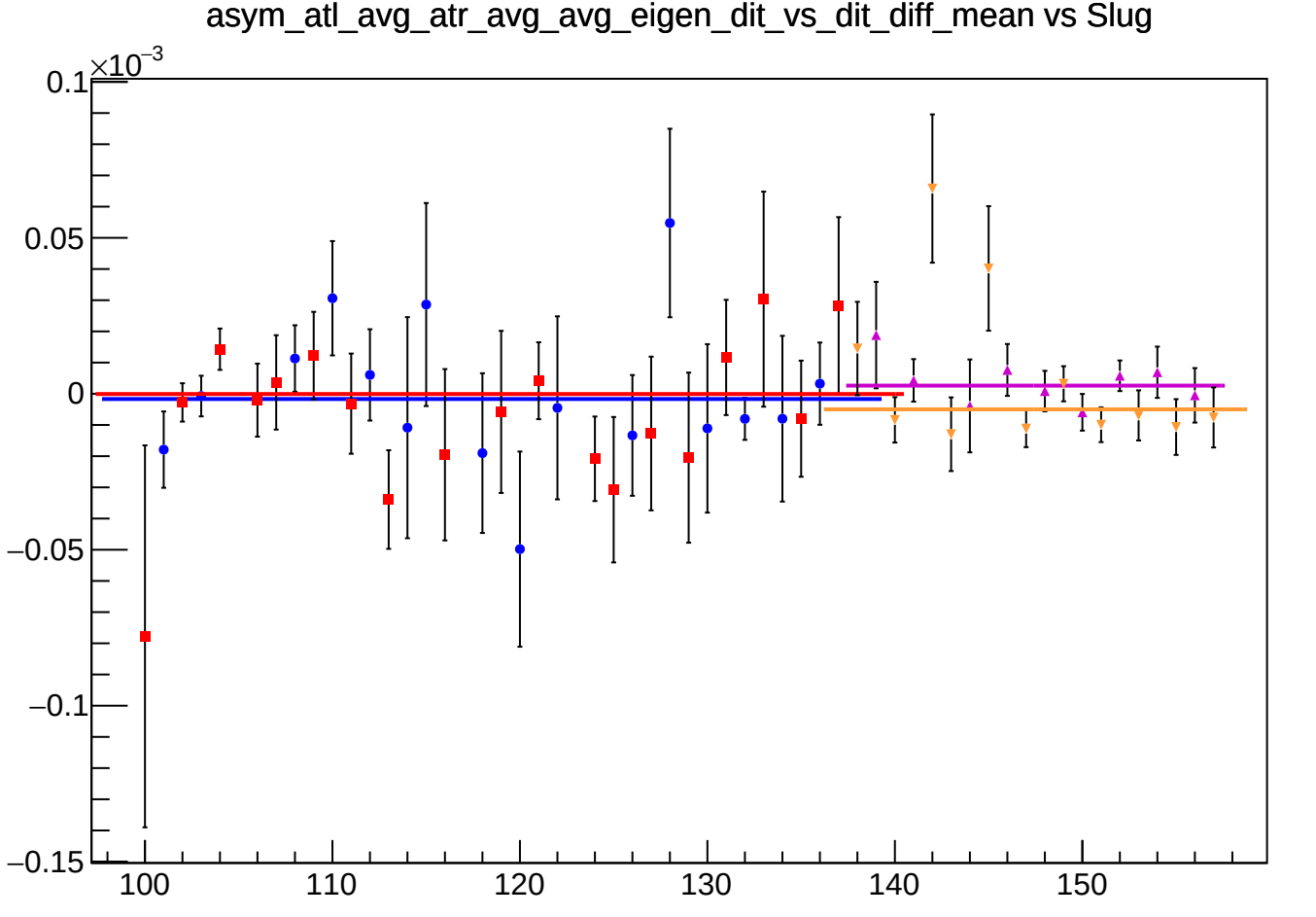
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 316.161+/-0.082 χ^2/NDF:457735.1/8

+ sign 206.709+/-0.042 χ^2/NDF: 5967144.3/26

All: 198.018+/-0.029 χ^2/NDF: 11898478.9/54

- sign 190.128+/-0.040 χ^2/NDF: 5848088.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/10

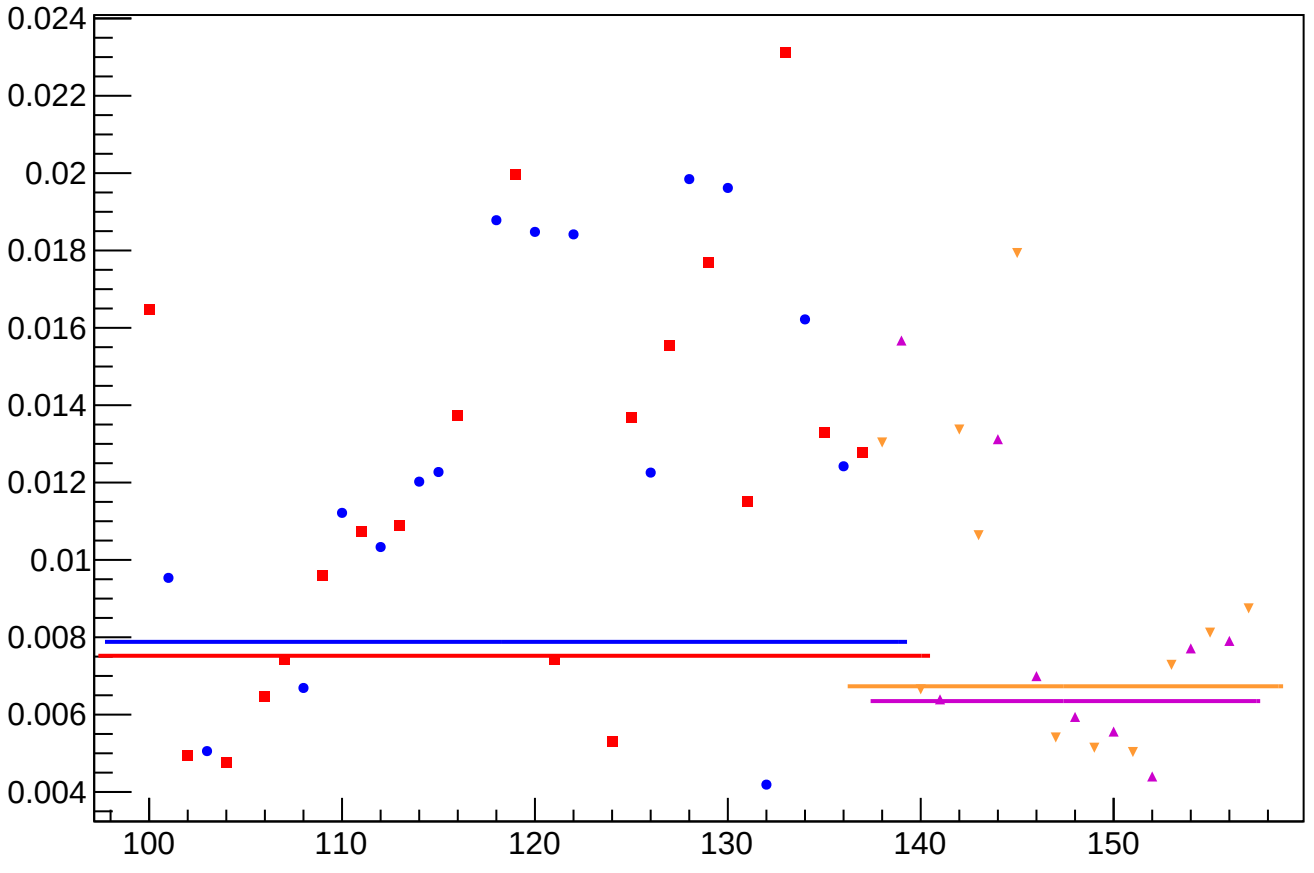
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/26

All: -0.000+/-0.000 χ^2/NDF: 65.7/54

- sign 0.000+/-0.000 χ^2/NDF: 24.9/27



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1949040.5/10

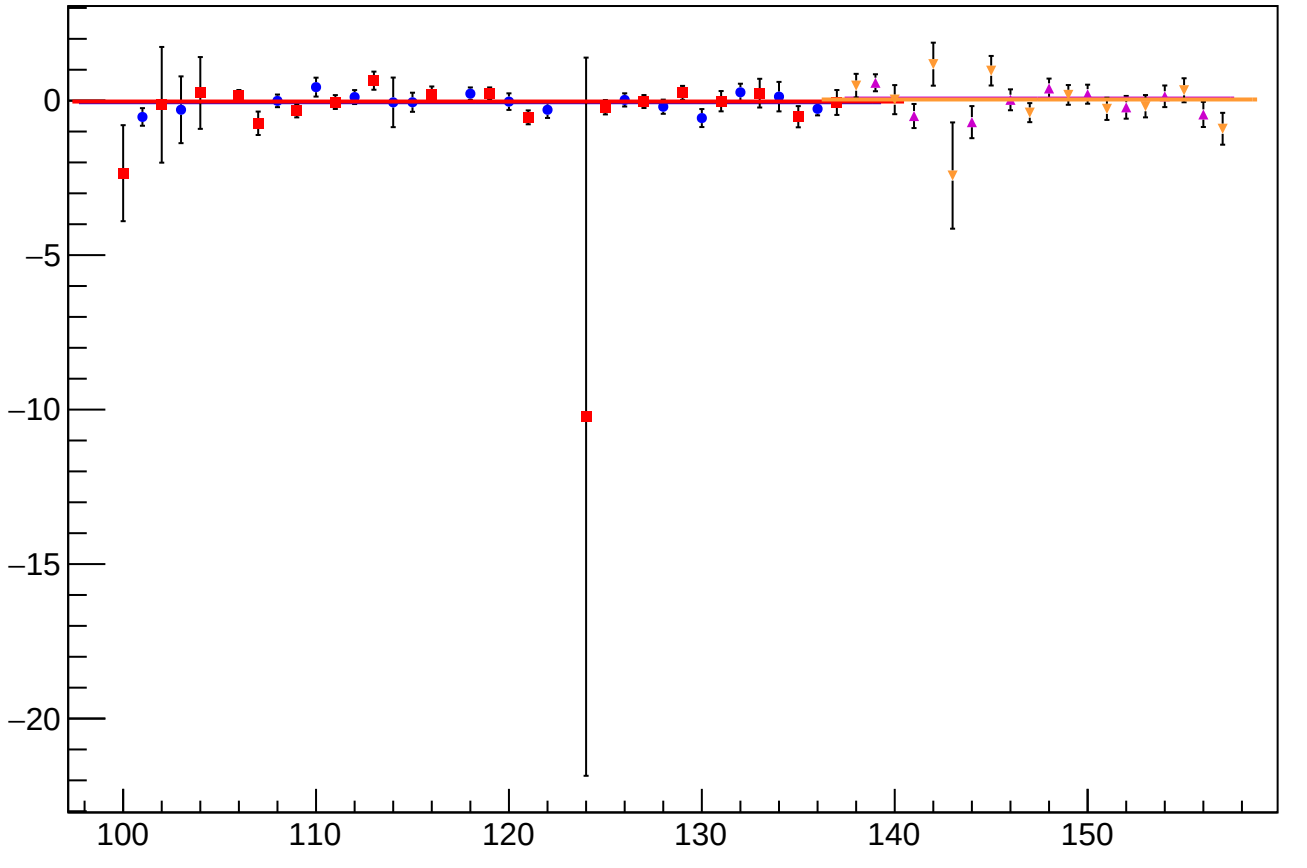
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1501094.5/8

+ sign 0.007+/-0.000 χ^2/NDF: 5400733.4/26

All: 0.007+/-0.000 χ^2/NDF: 10078814.0/54

- sign 0.007+/-0.000 χ^2/NDF: 4649486.6/27



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

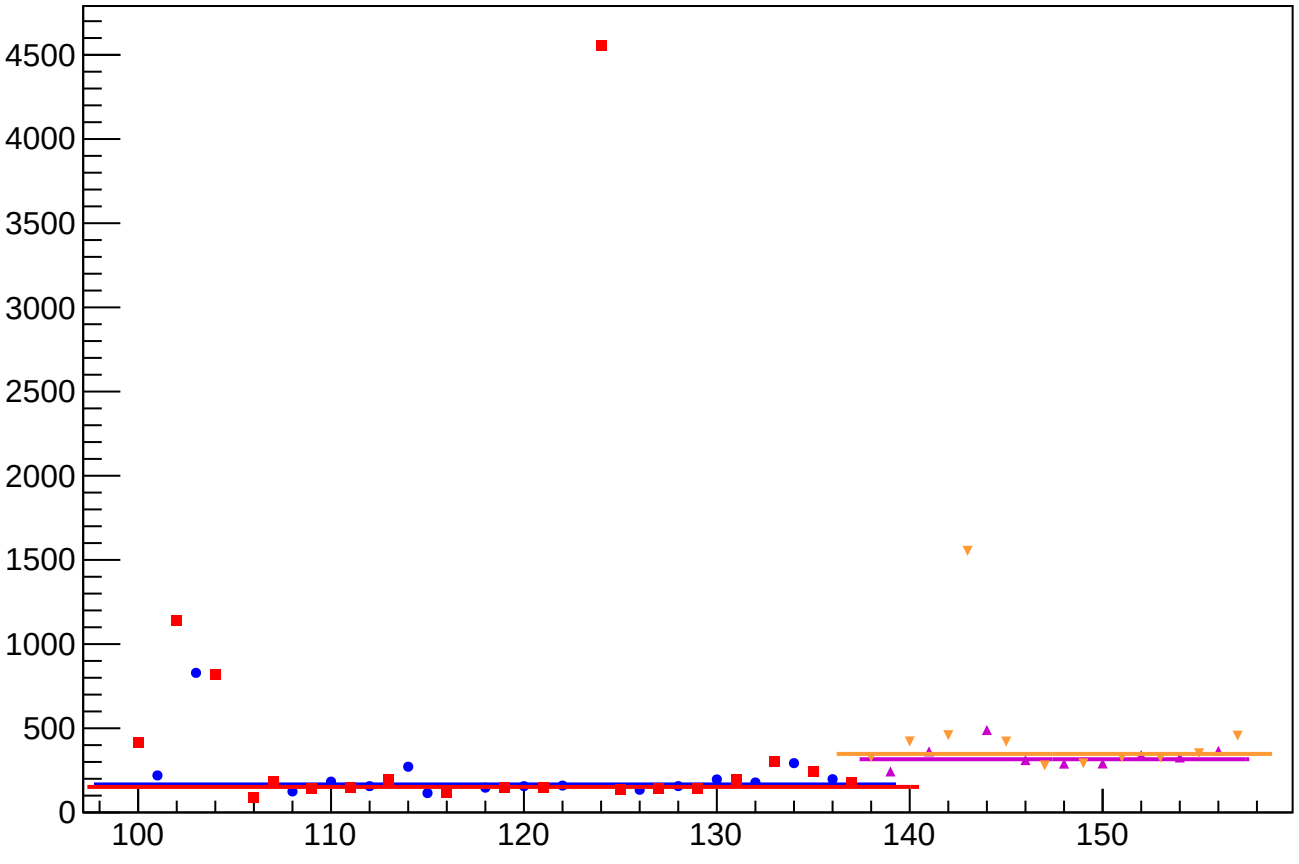
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.067+/-0.116 χ^2/NDF:11.2/8

\+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.018+/-0.041 χ^2/NDF: 71.7/54

\- sign -0.007+/-0.056 χ^2/NDF: 39.3/27



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 347.745+/-0.088 χ^2/NDF:1397144.0/10

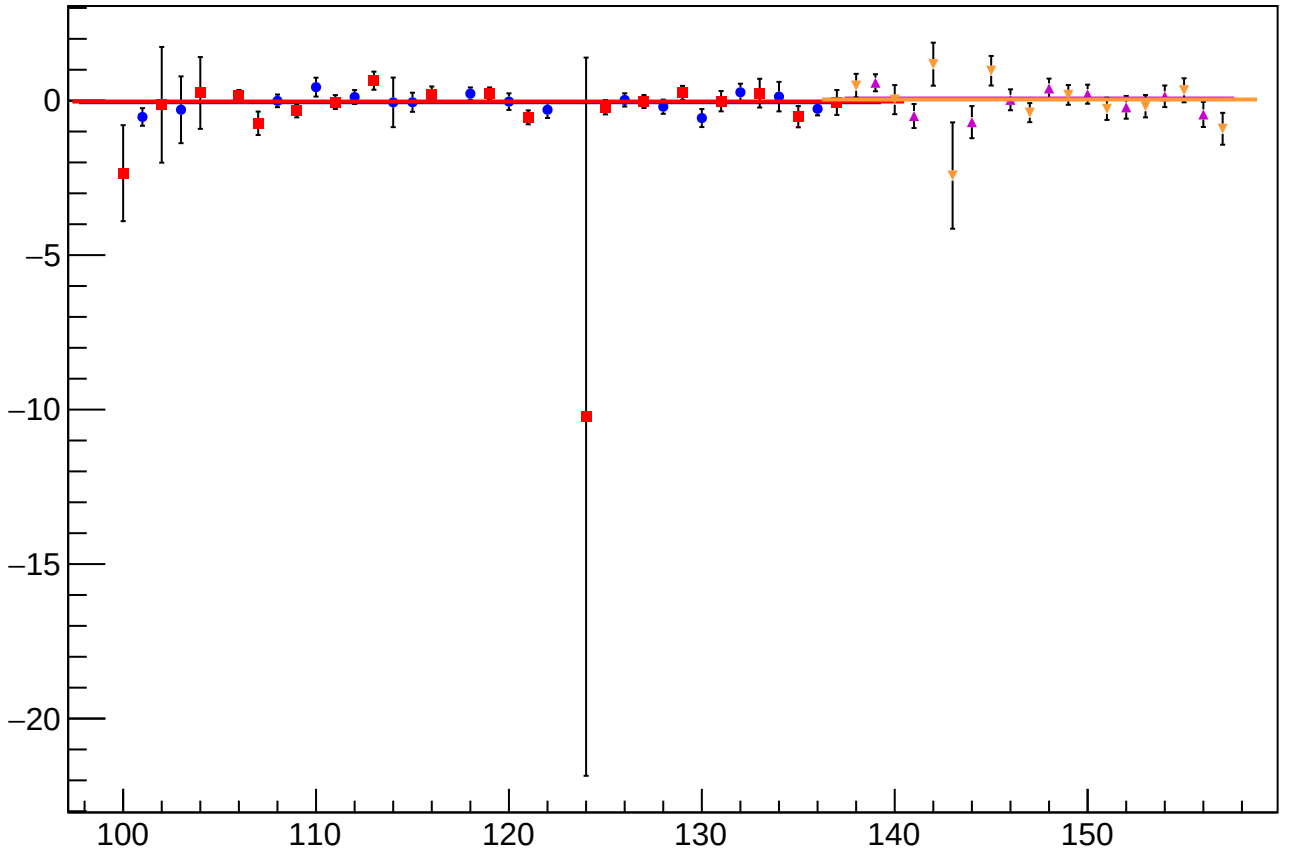
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 316.166+/-0.082 χ^2/NDF:457720.3/8

+ sign 206.708+/-0.042 χ^2/NDF: 5967259.3/26

All: 198.017+/-0.029 χ^2/NDF: 11898749.8/54

- sign 190.127+/-0.040 χ^2/NDF: 5848238.2/27



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.037+/-0.125 χ^2/NDF:17.1/10

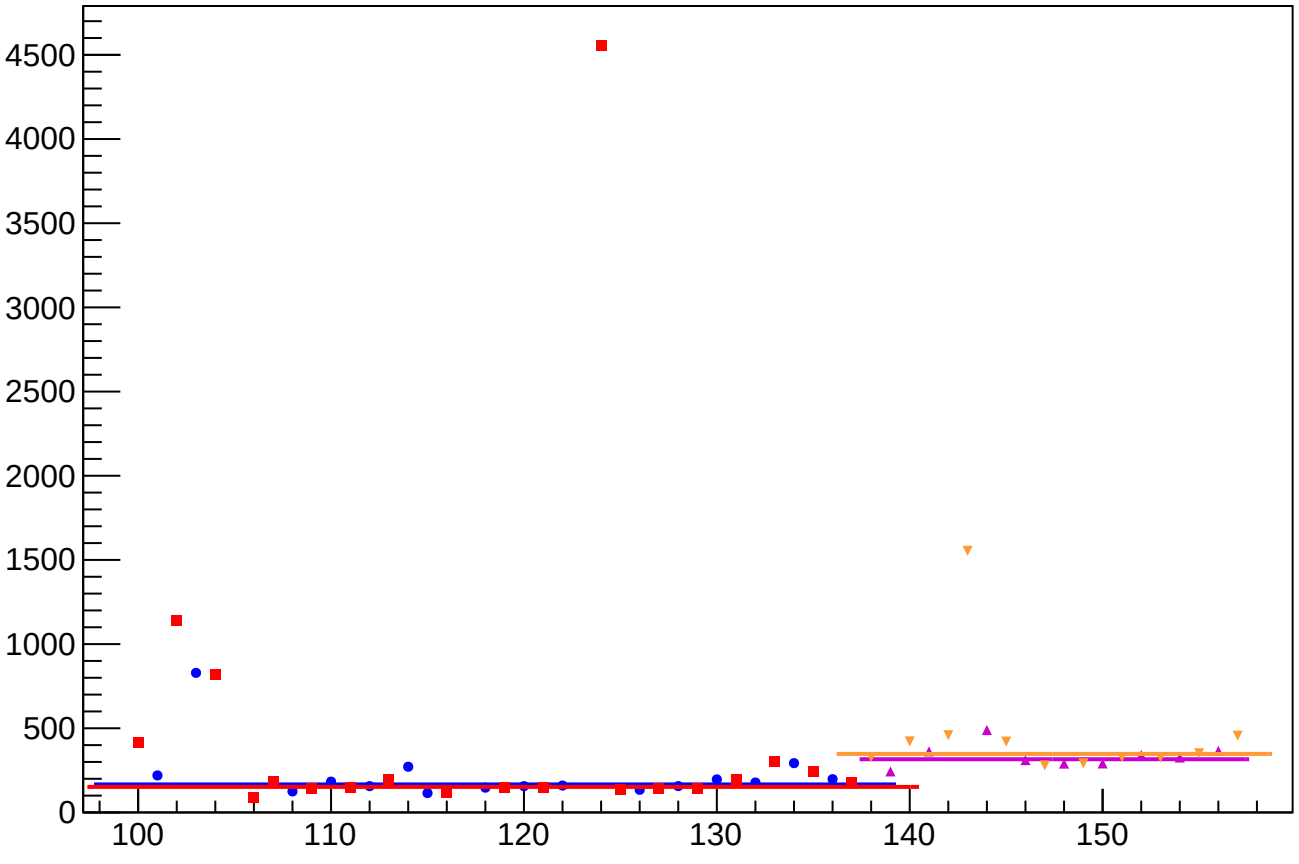
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.067+/-0.116 χ^2/NDF:11.2/8

+ sign -0.032+/-0.059 χ^2/NDF: 32.3/26

All: -0.018+/-0.041 χ^2/NDF: 71.7/54

- sign -0.007+/-0.056 χ^2/NDF: 39.3/27



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 347.745+/-0.088 χ^2/NDF:1397144.0/10

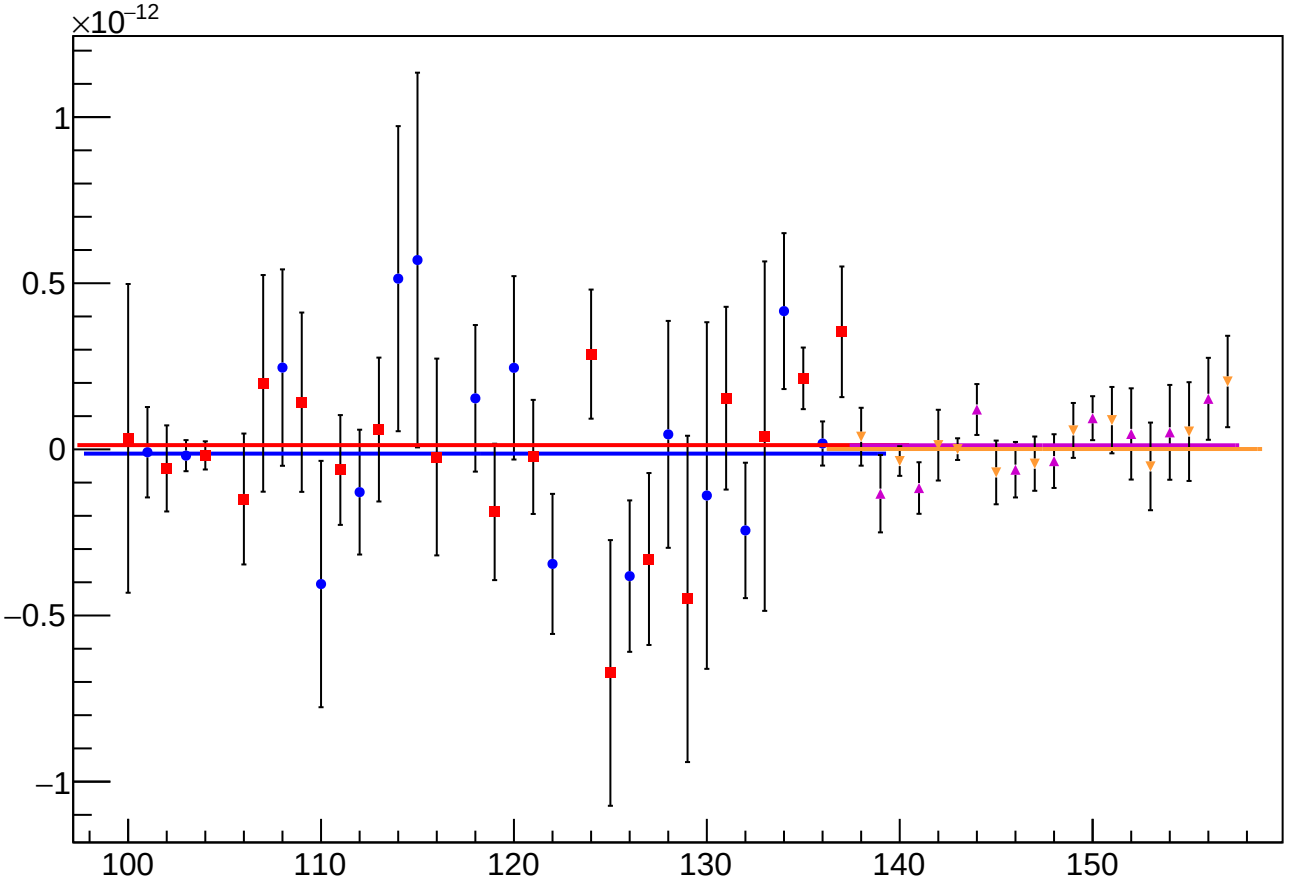
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 316.166+/-0.082 χ^2/NDF:457720.3/8

+ sign 206.708+/-0.042 χ^2/NDF: 5967259.3/26

All: 198.017+/-0.029 χ^2/NDF: 11898749.8/54

- sign 190.127+/-0.040 χ^2/NDF: 5848238.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/10

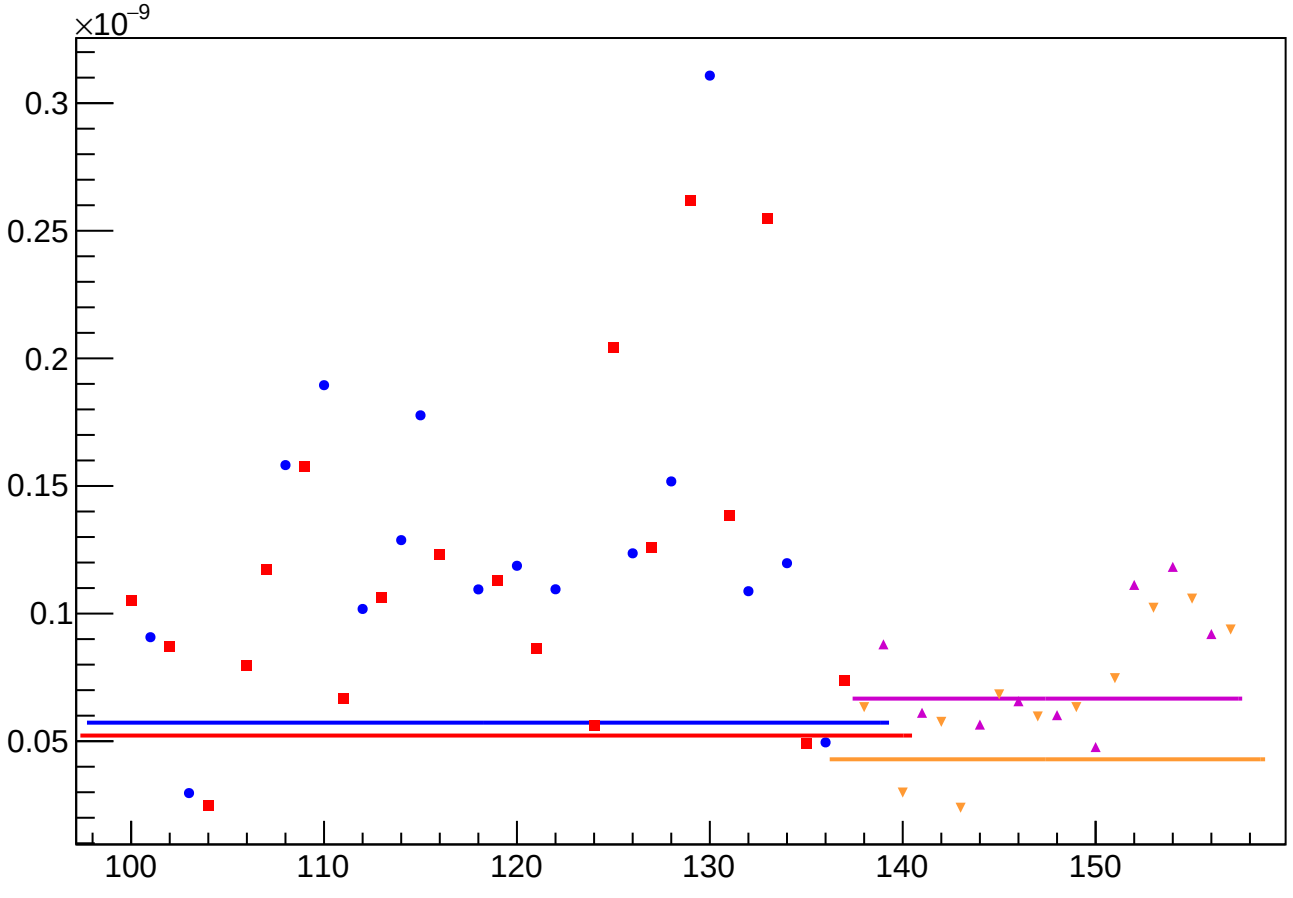
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 51.2/54

- sign 0.000+/-0.000 χ^2/NDF: 29.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583483.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

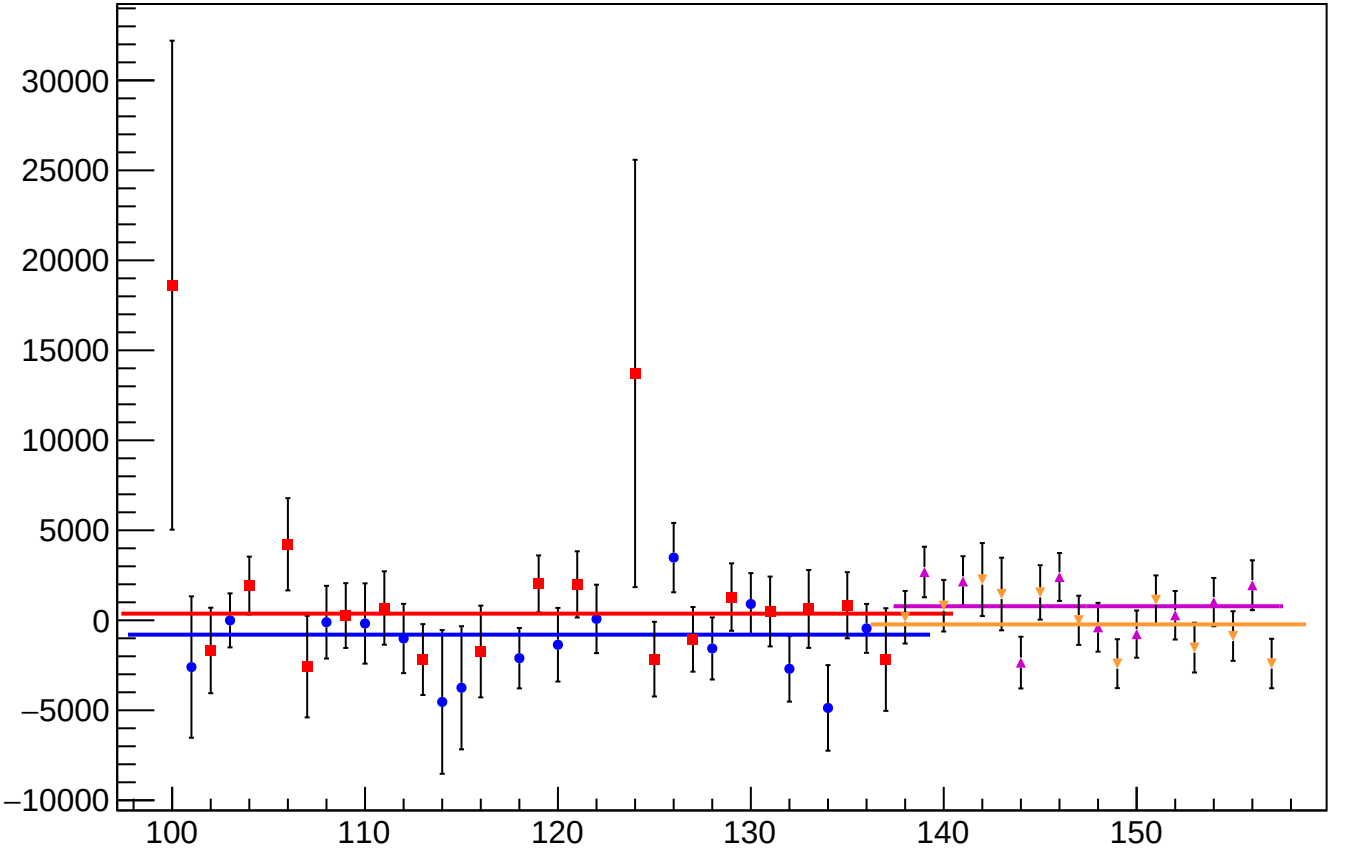
Left In: 0.000+/-0.000 χ^2/NDF:846458.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 5838757.2/26

All: 0.000+/-0.000 χ^2/NDF: 10612325.7/54

- sign 0.000+/-0.000 χ^2/NDF: 4354943.2/27

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -227.456+/-443.615 χ^2/NDF:11.4/10

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

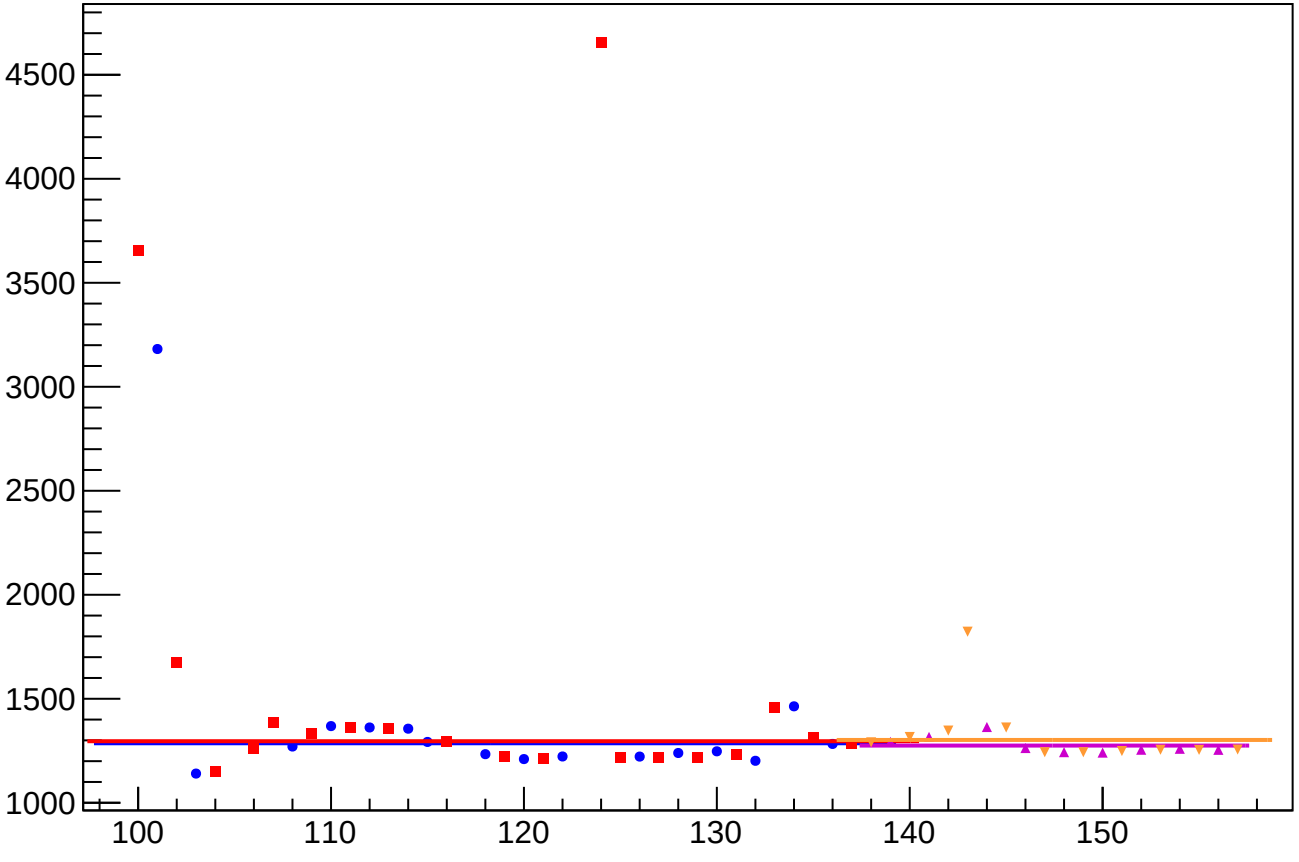
Left In: 780.755+/-455.484 χ^2/NDF:12.1/8

+ sign -485.601+/-328.089 χ^2/NDF: 25.6/26

All: 44.679+/-233.463 χ^2/NDF: 58.9/54

- sign 588.608+/-332.285 χ^2/NDF: 28.0/27

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

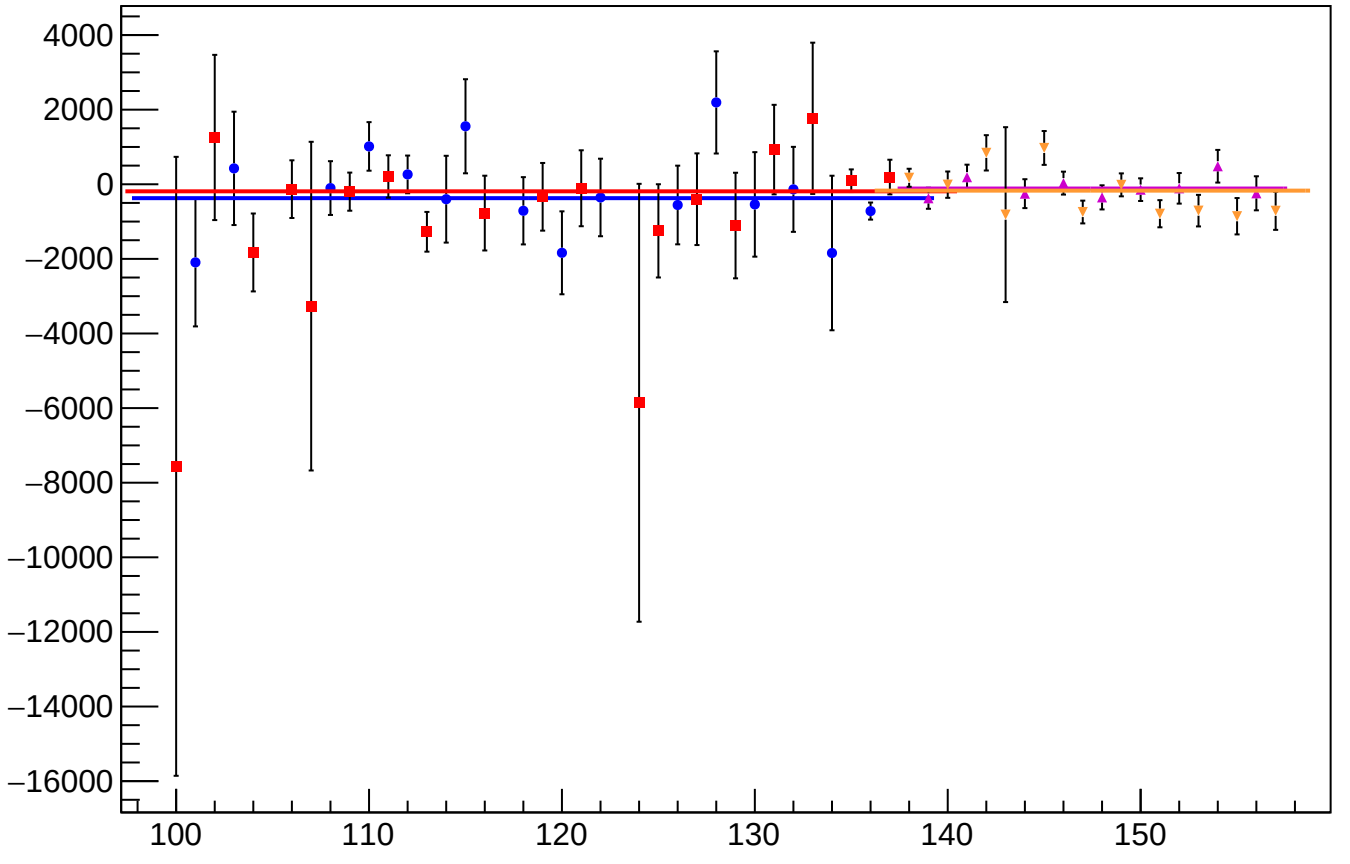
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674402.8/26

All: 1289.852+/-0.165 χ^2/NDF: 1018901.5/54

- sign 1284.783+/-0.235 χ^2/NDF: 343579.6/27



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -170.354+/-113.850 χ^2/NDF:24.6/10

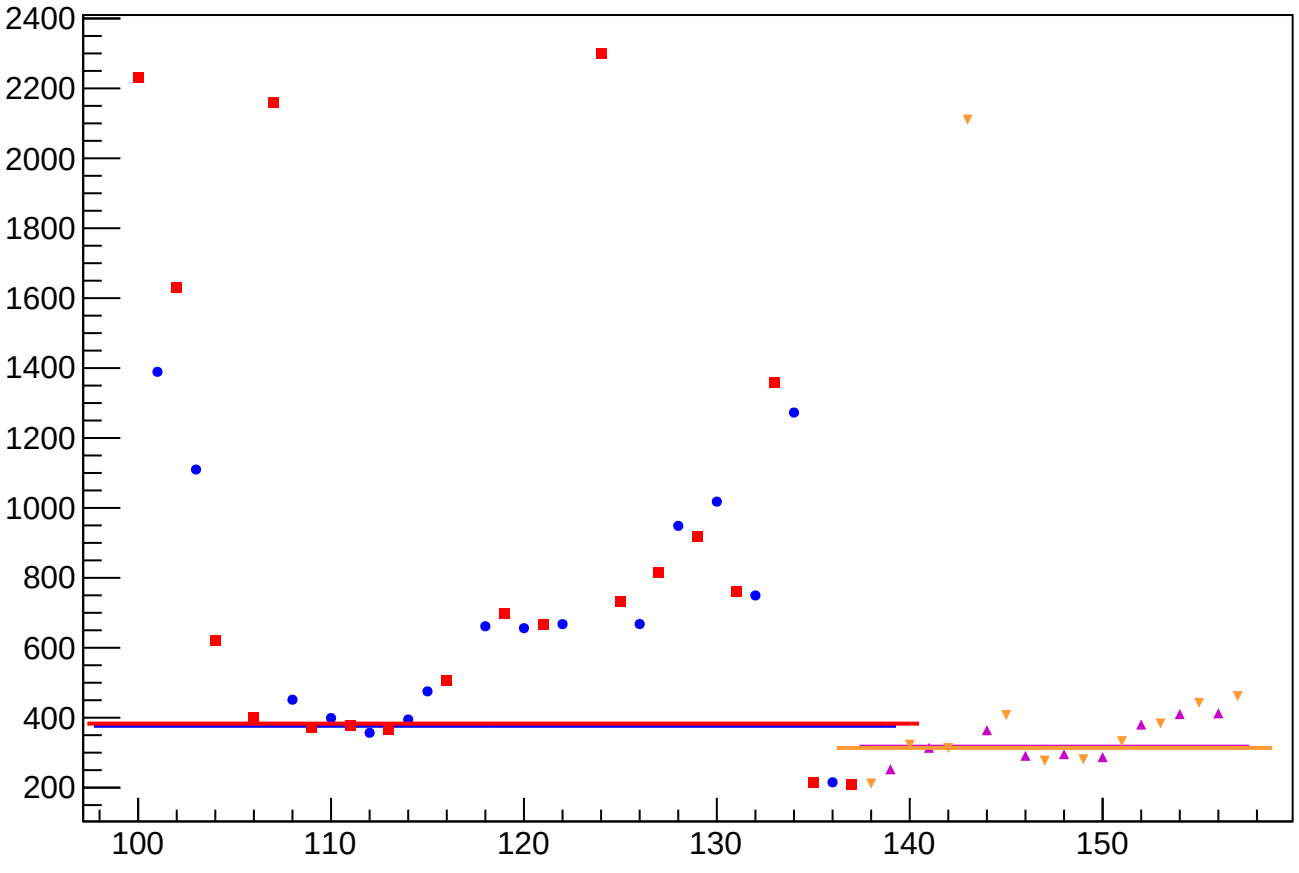
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -114.339+/-115.410 χ^2/NDF:4.5/8

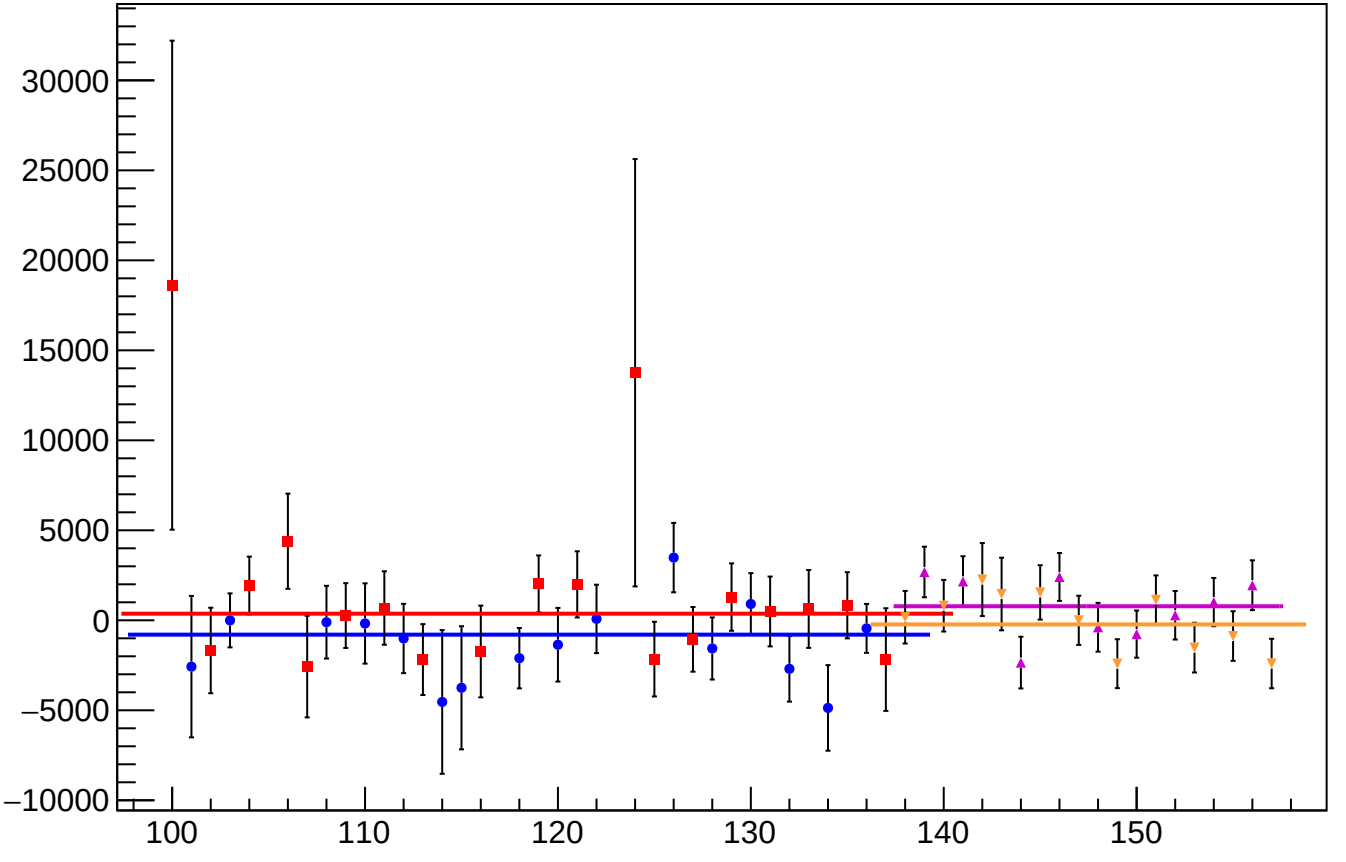
+ sign -233.812+/-94.283 χ^2/NDF: 43.8/26

All: -186.454+/-67.063 χ^2/NDF: 63.6/54

- sign -137.957+/-95.410 χ^2/NDF: 19.3/27


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 376.893+/-0.119 χ²/NDF: 4190194.7/15
Left Out: 313.671+/-0.081 χ²/NDF:2037953.1/10
Right Out: 383.074+/-0.120 χ²/NDF: 4054121.5/18
Left In: 317.091+/-0.082 χ²/NDF:402607.9/8
+ sign 333.535+/-0.067 χ²/NDF: 6421919.1/26
All: 335.731+/-0.047 χ²/NDF: 11087790.9/54
- sign 337.979+/-0.067 χ²/NDF: 4663676.4/27

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

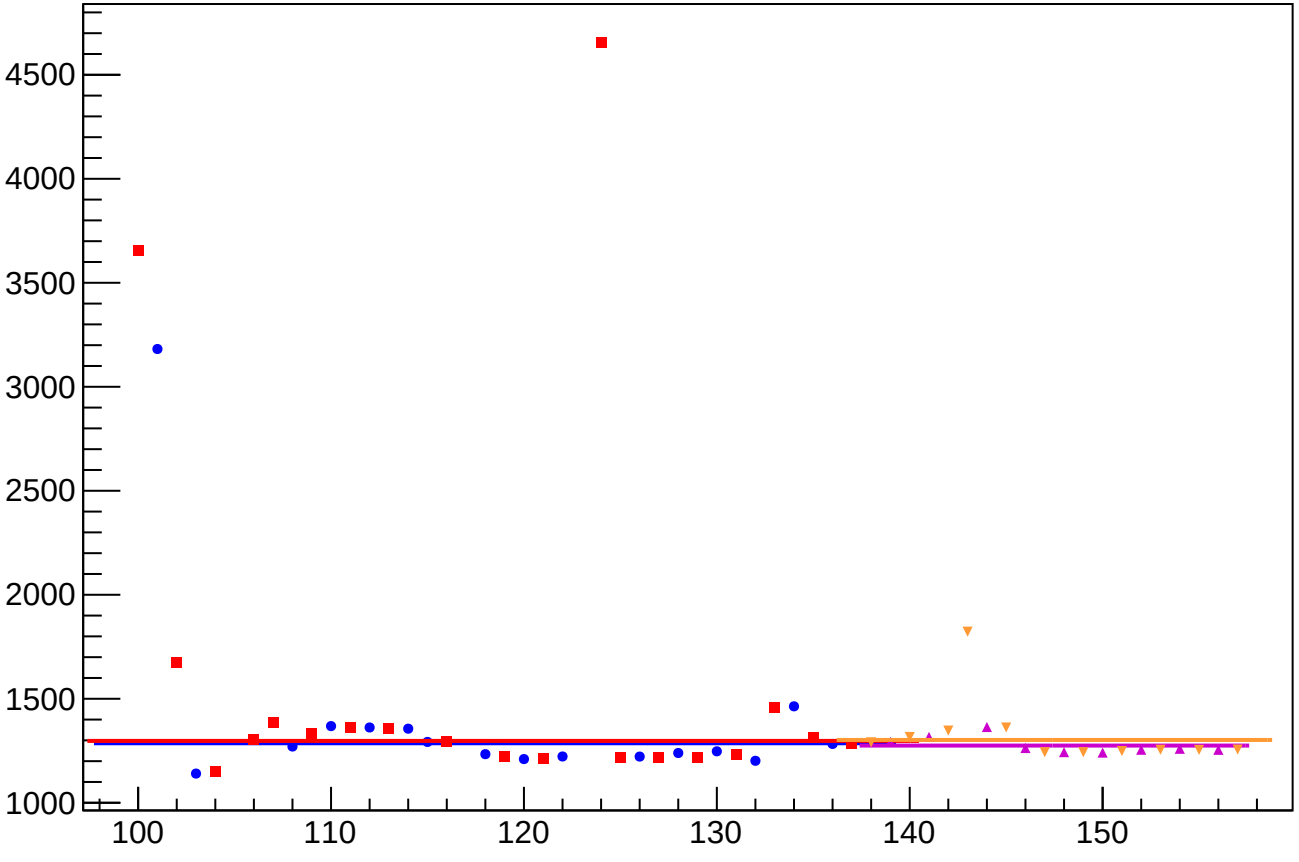
Left In: 780.723+/-455.484 χ^2/NDF:12.1/8

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 44.028+/-233.521 χ^2/NDF: 59.0/54

- sign 587.627+/-332.452 χ^2/NDF: 28.1/27

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

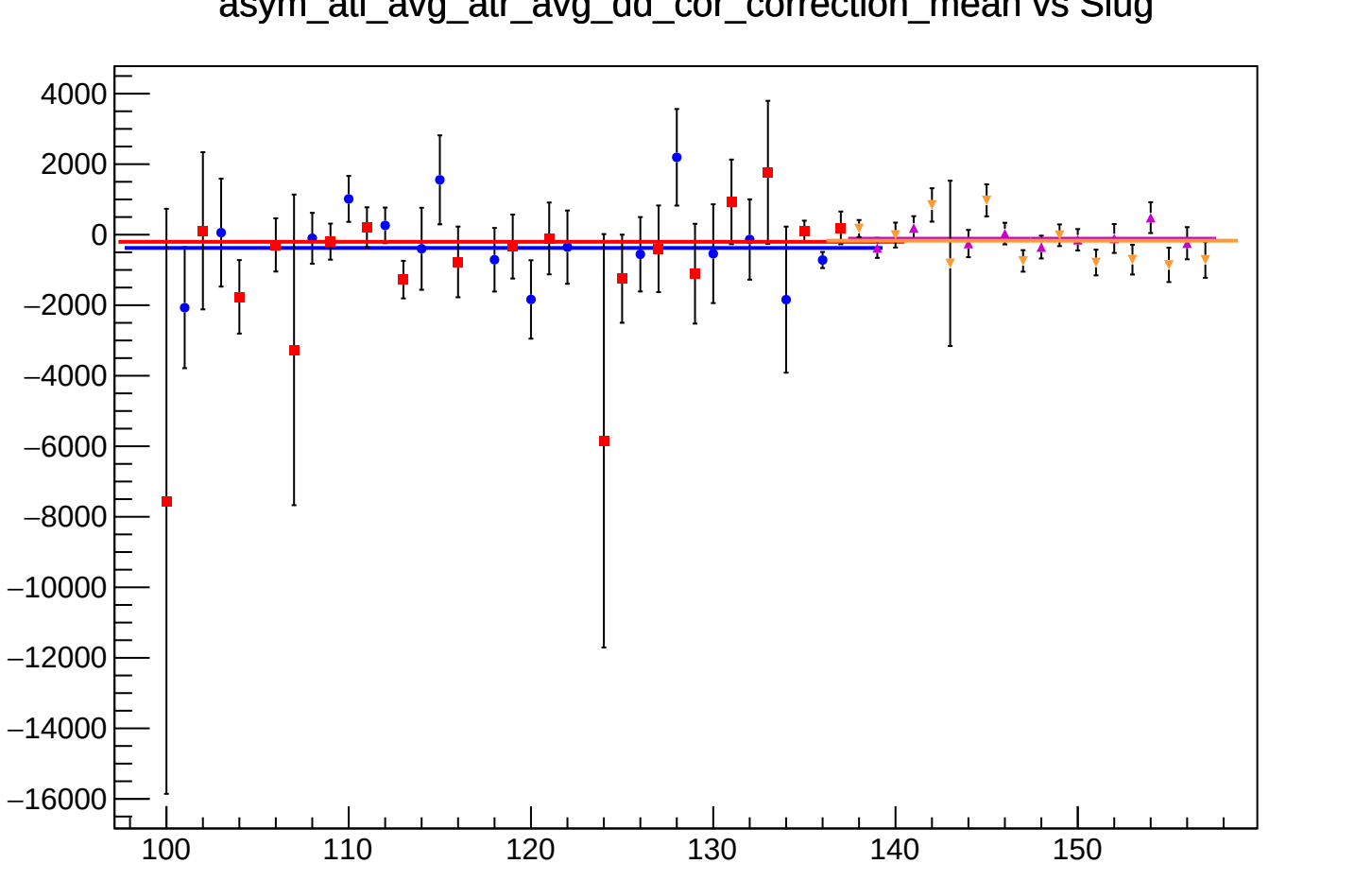
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.183+/-0.165 χ^2/NDF: 1018737.3/54

- sign 1285.450+/-0.235 χ^2/NDF: 343532.7/27



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

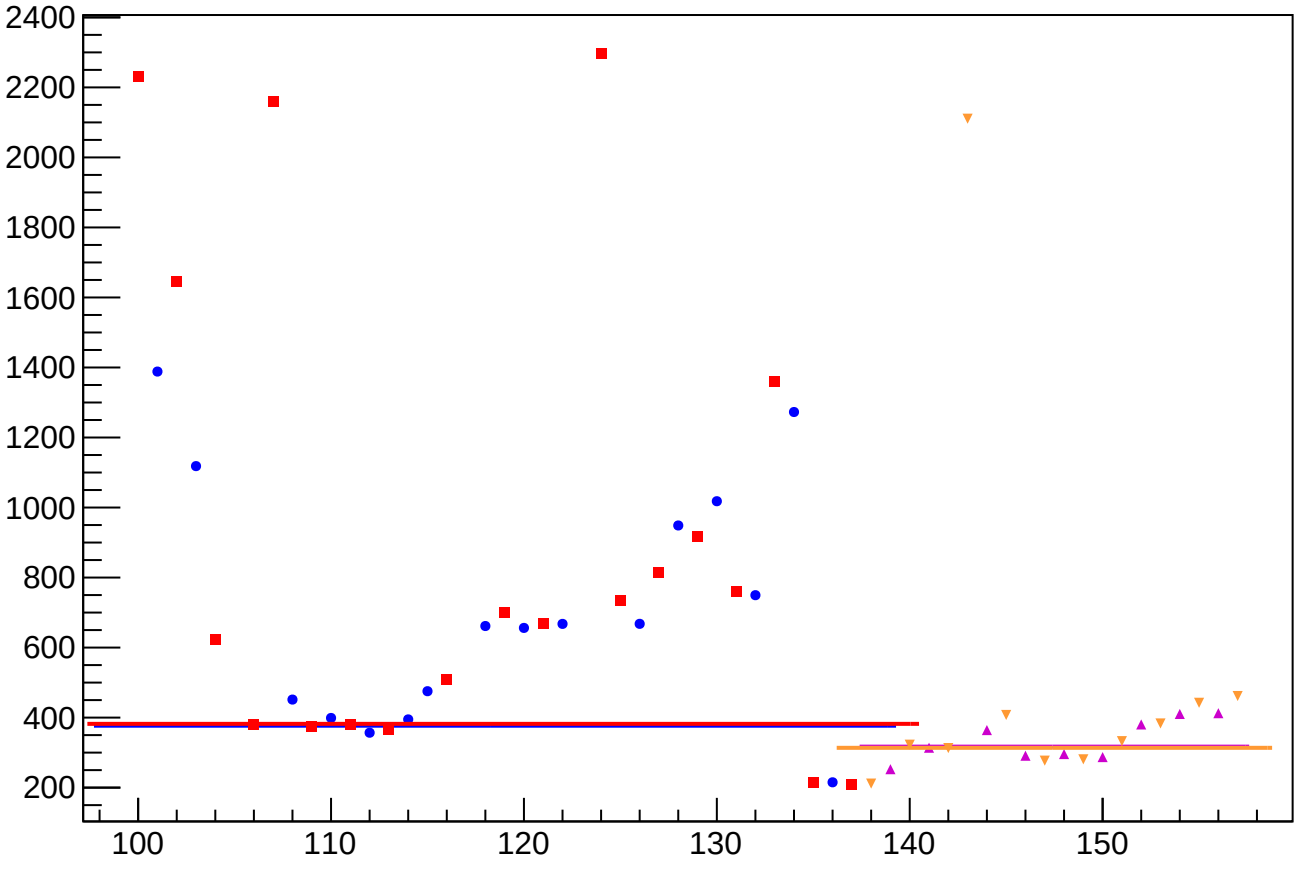
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -114.356+/-115.410 χ^2/NDF:4.5/8

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -189.238+/-67.053 χ^2/NDF: 62.8/54

- sign -142.191+/-95.375 χ^2/NDF: 18.7/27



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

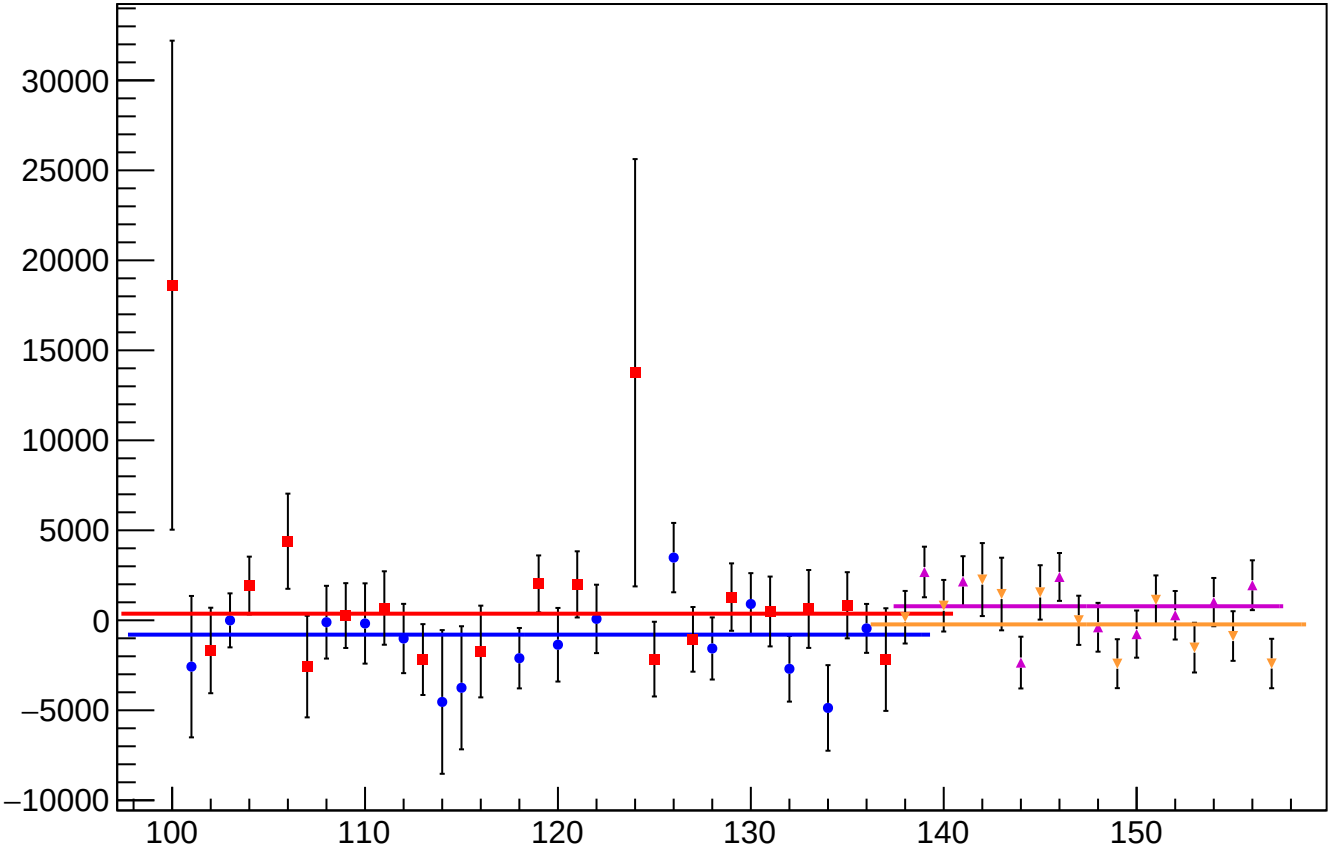
Left In: 317.091+/-0.082 χ^2/NDF:402679.3/8

+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 335.602+/-0.047 χ^2/NDF: 11090481.6/54

- sign 337.715+/-0.067 χ^2/NDF: 4663712.1/27

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

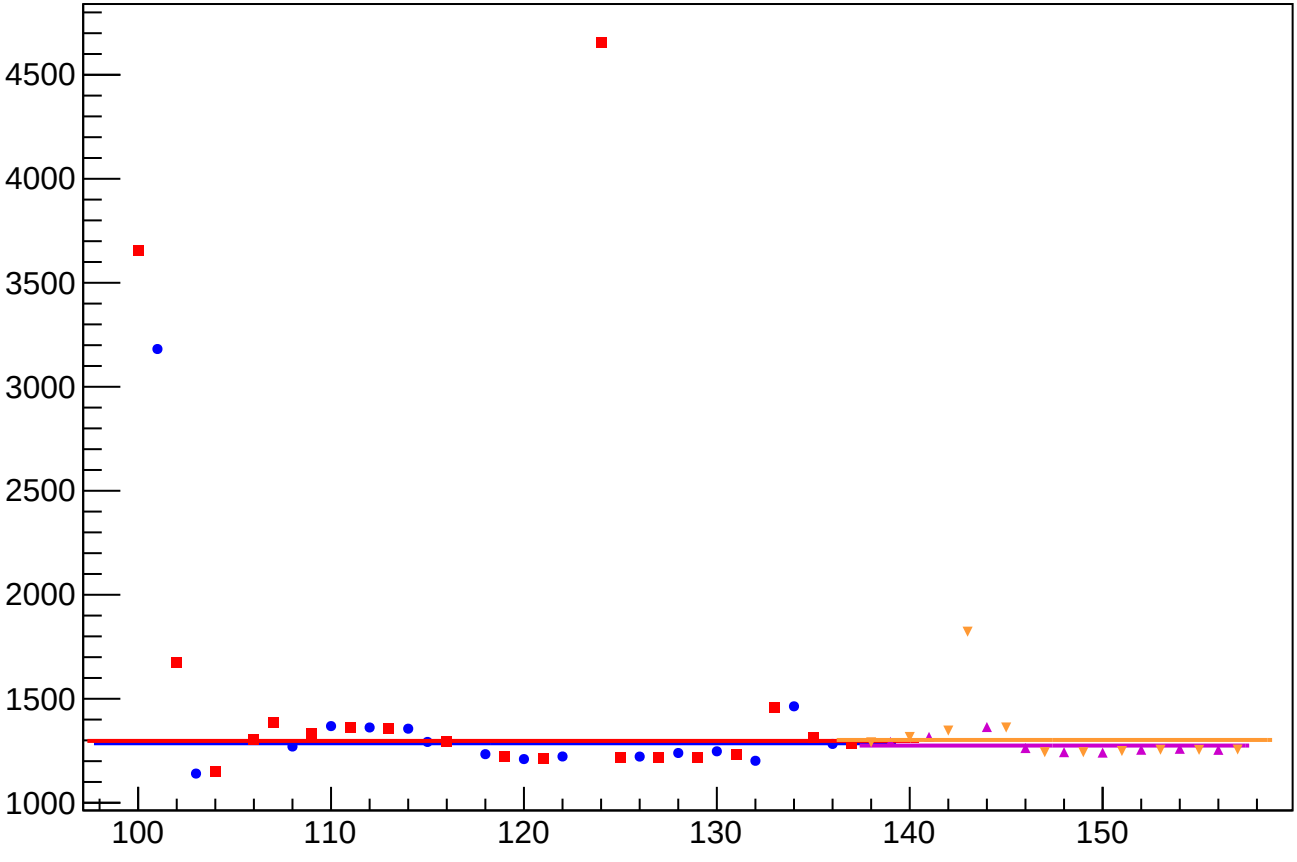
Left In: 780.723+/-455.484 χ^2/NDF:12.1/8

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 44.028+/-233.521 χ^2/NDF: 59.0/54

- sign 587.627+/-332.452 χ^2/NDF: 28.1/27

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

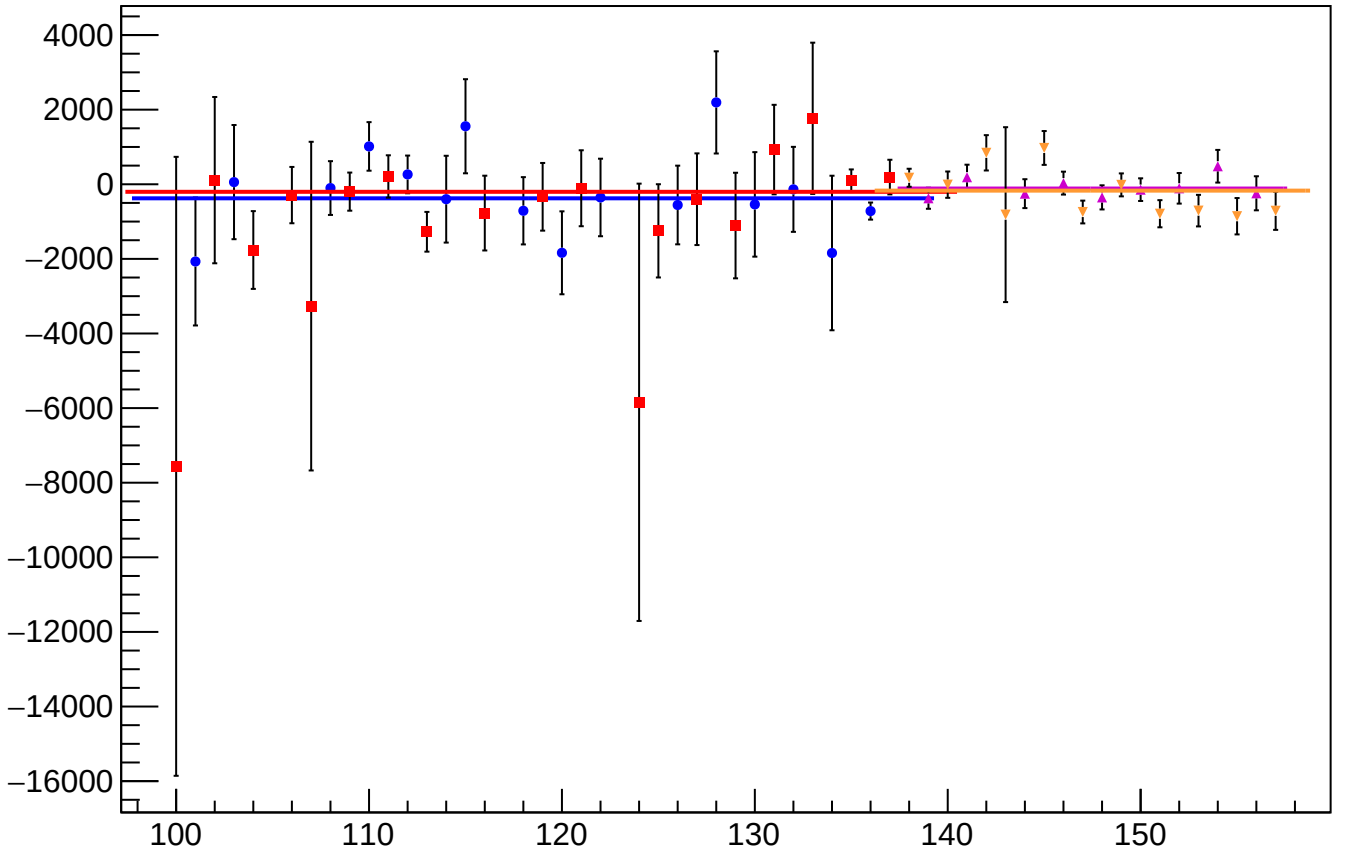
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.183+/-0.165 χ^2/NDF: 1018737.3/54

- sign 1285.450+/-0.235 χ^2/NDF: 343532.7/27



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

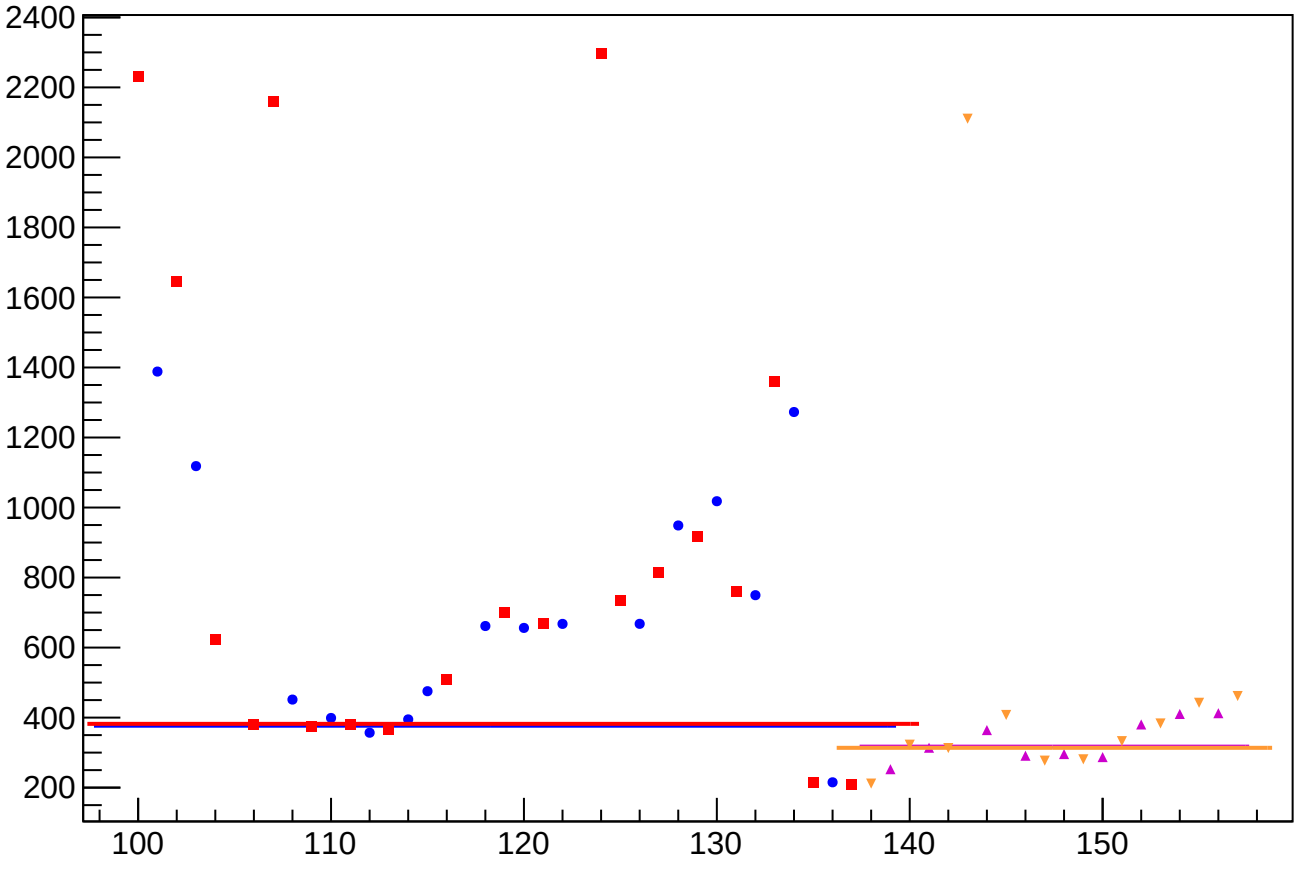
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -114.356+/-115.410 χ^2/NDF:4.5/8

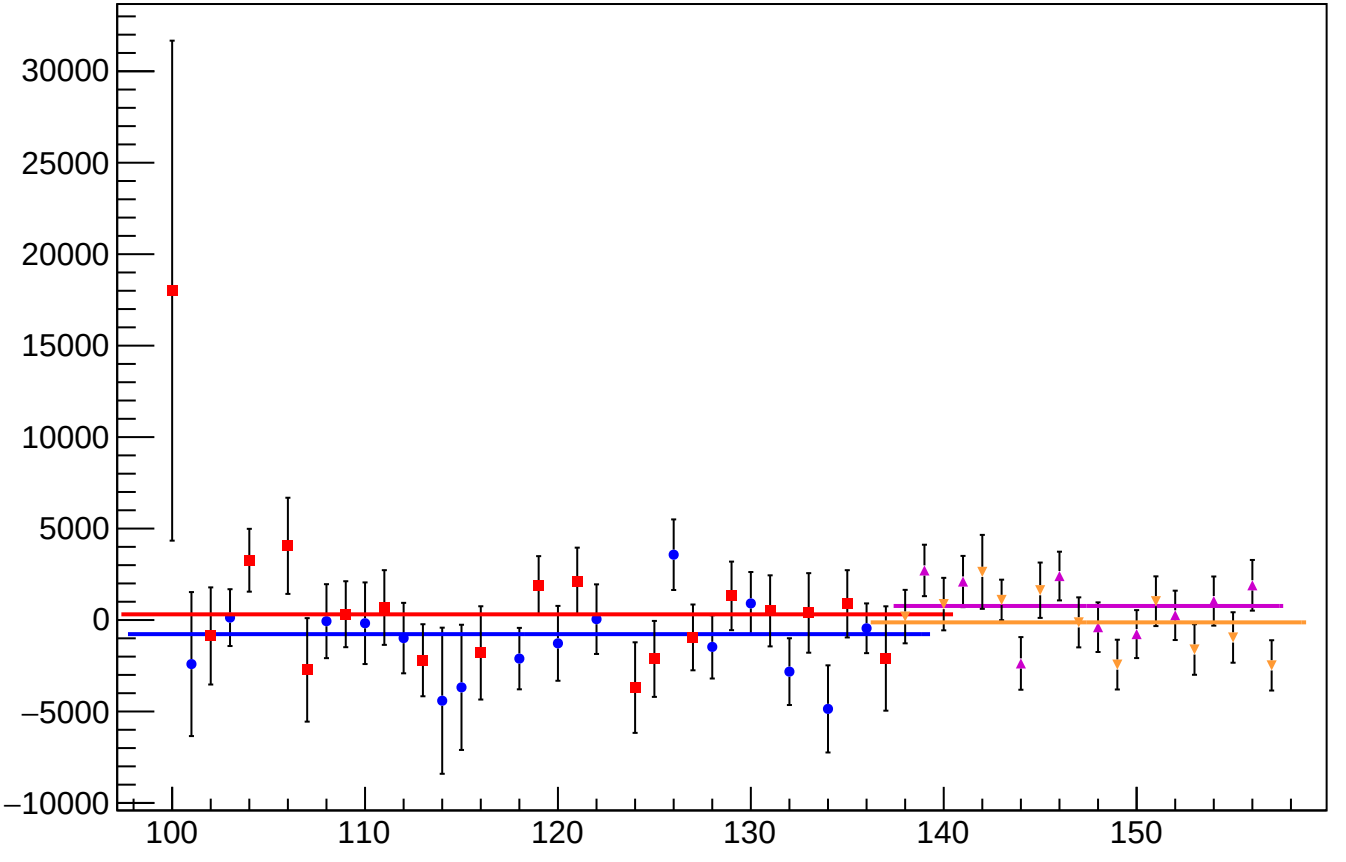
+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -189.238+/-67.053 χ^2/NDF: 62.8/54

- sign -142.191+/-95.375 χ^2/NDF: 18.7/27


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 376.884+/-0.119 χ²/NDF: 4193328.0/15
Left Out: 313.681+/-0.081 χ²/NDF:2037877.2/10
Right Out: 382.136+/-0.120 χ²/NDF: 4059600.2/18
Left In: 317.091+/-0.082 χ²/NDF:402679.3/8
+ sign 333.537+/-0.067 χ²/NDF: 6424828.5/26
All: 335.602+/-0.047 χ²/NDF: 11090481.6/54
- sign 337.715+/-0.067 χ²/NDF: 4663712.1/27

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.600+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

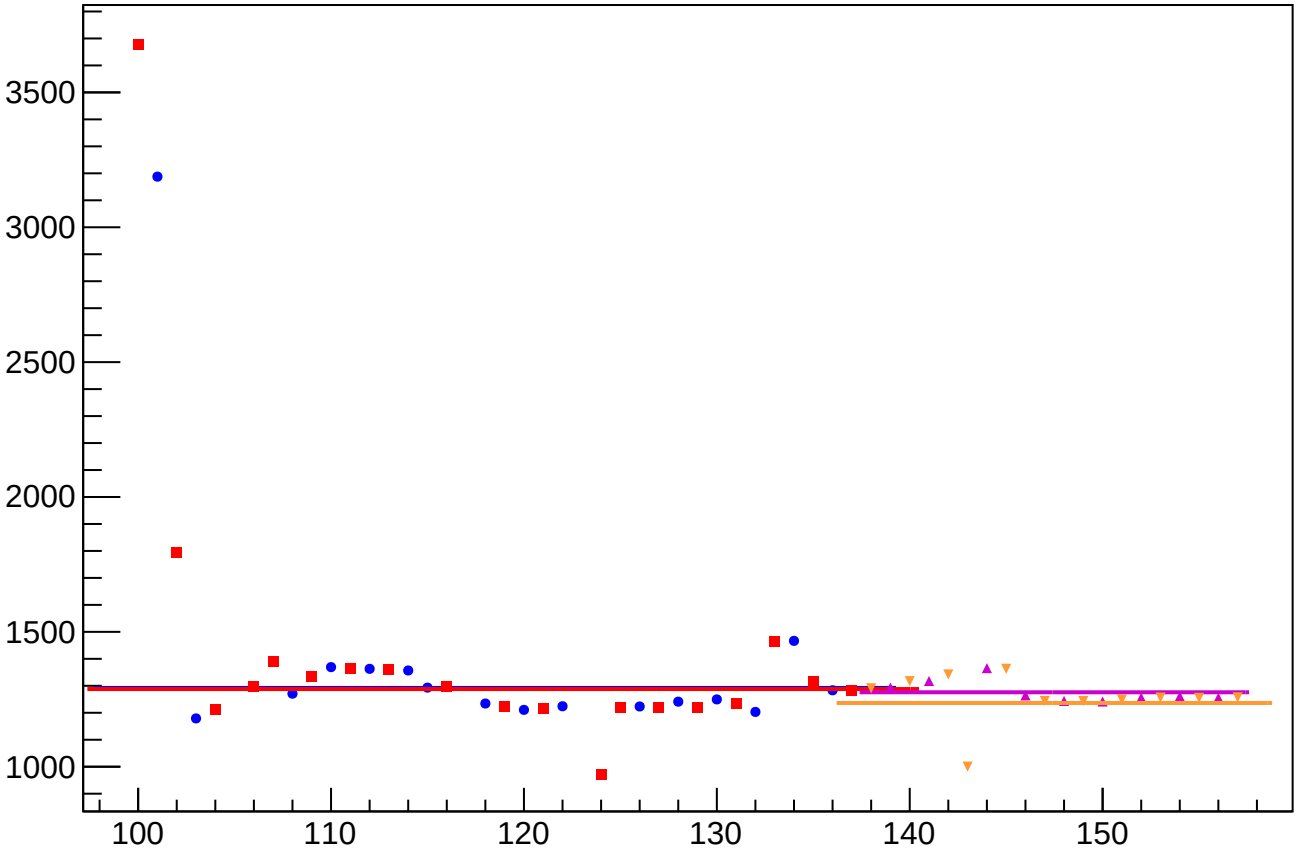
Left In: 768.448+/-455.848 χ^2/NDF:12.0/8

+ sign -401.206+/-319.152 χ^2/NDF: 27.6/26

All: 57.923+/-229.883 χ^2/NDF: 62.4/54

- sign 552.971+/-331.401 χ^2/NDF: 30.5/27

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

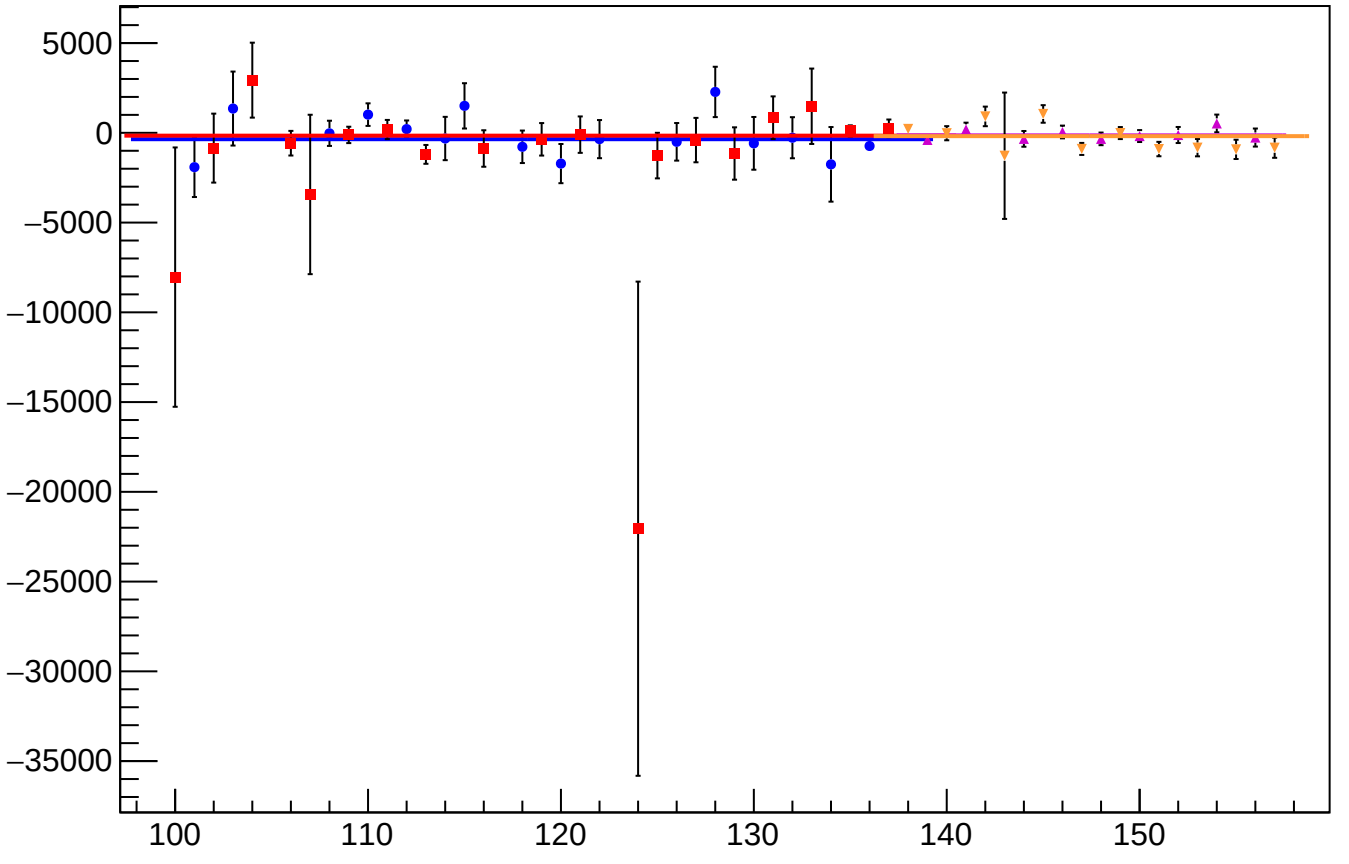
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1275.984+/-0.322 χ^2/NDF:13586.9/8

+ sign 1260.030+/-0.226 χ^2/NDF: 645383.5/26

All: 1270.430+/-0.163 χ^2/NDF: 873246.7/54

- sign 1281.644+/-0.234 χ^2/NDF: 223449.5/27



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -185.017+/-123.207 χ^2/NDF:26.4/10

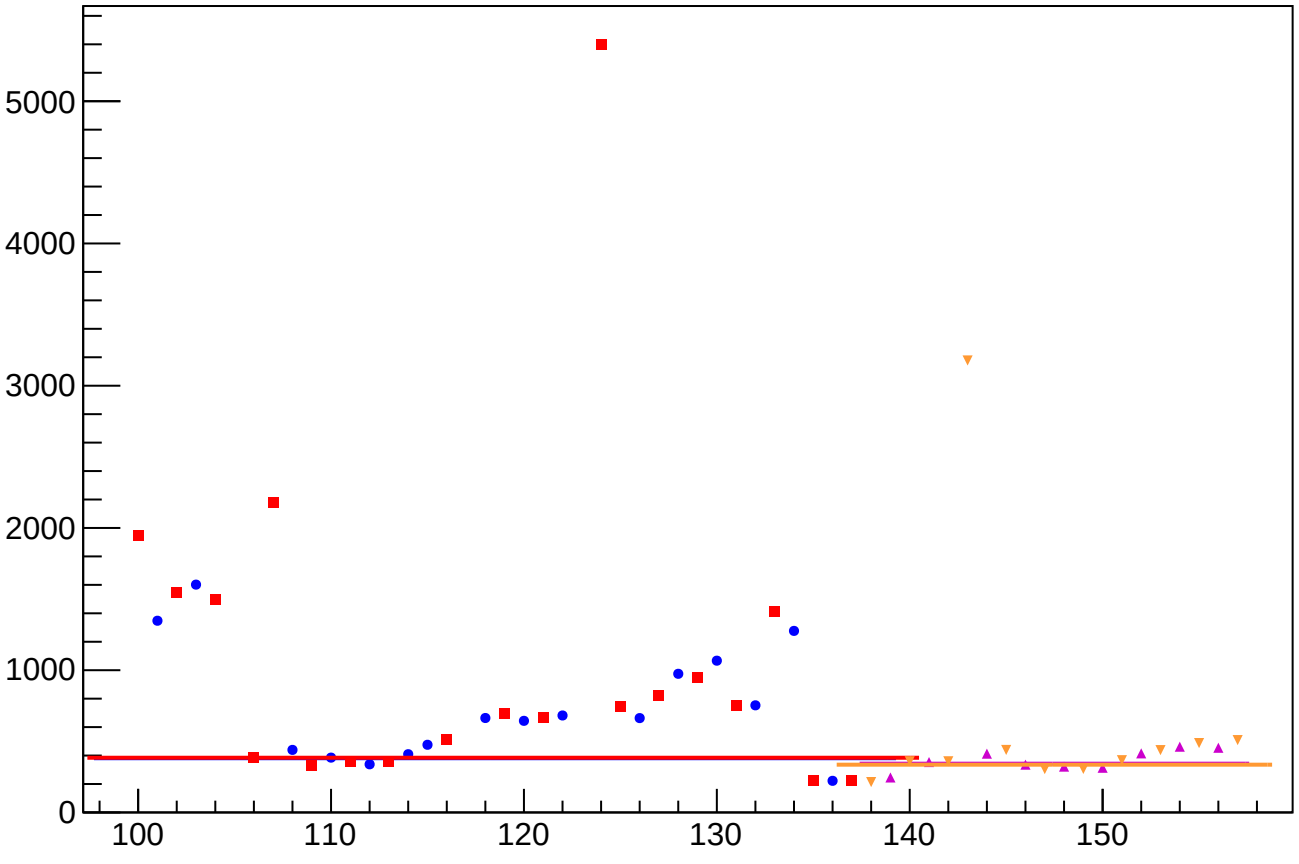
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -142.761+/-125.581 χ^2/NDF:4.3/8

+ sign -243.645+/-99.756 χ^2/NDF: 45.5/26

All: -196.450+/-70.953 χ^2/NDF: 66.1/54

- sign -148.128+/-100.939 χ^2/NDF: 20.1/27



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 335.838+/-0.087 χ^2/NDF:2392370.7/10

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

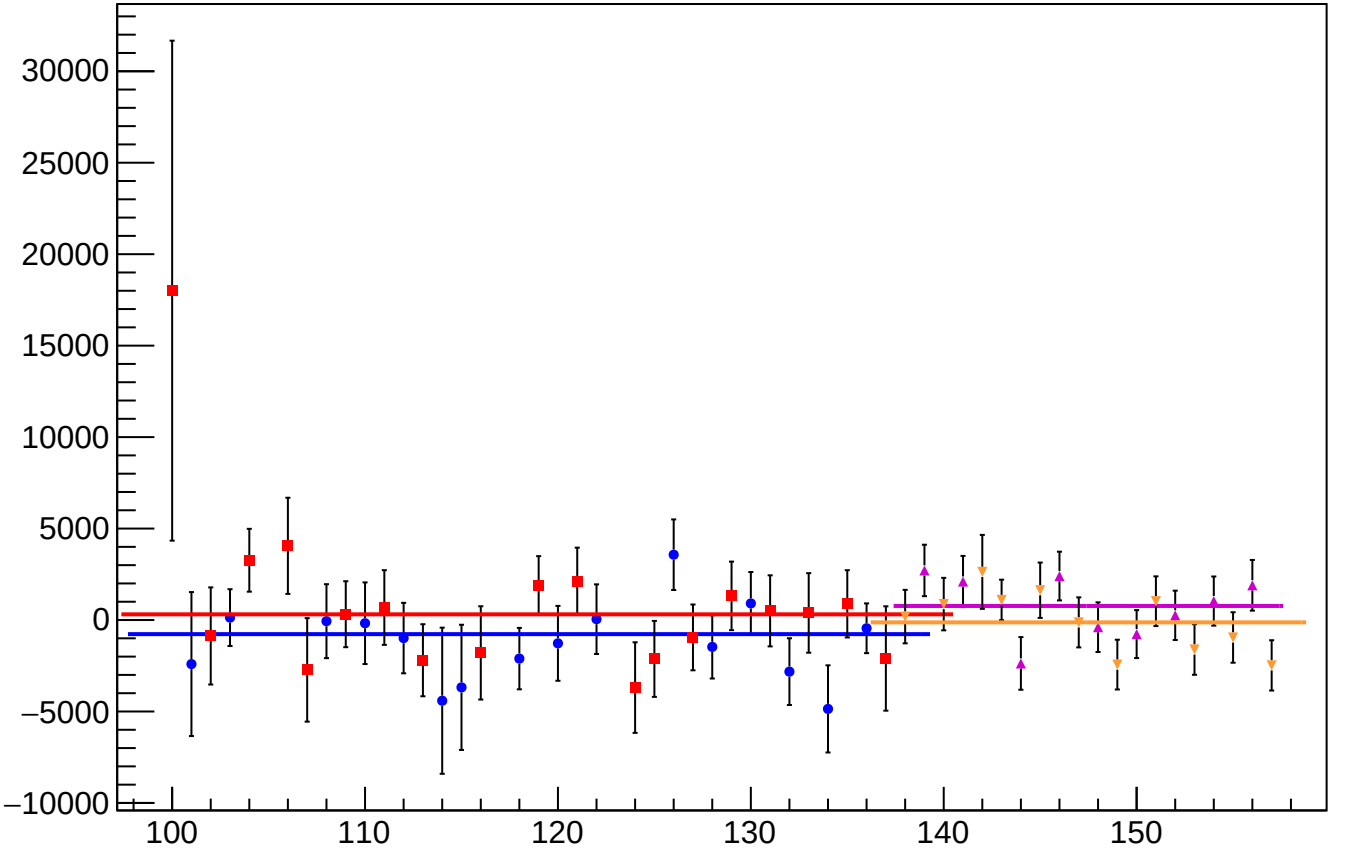
Left In: 342.867+/-0.089 χ^2/NDF:590351.1/8

+ sign 351.514+/-0.071 χ^2/NDF: 6804292.7/26

All: 354.549+/-0.050 χ^2/NDF: 12036964.5/54

- sign 357.656+/-0.071 χ^2/NDF: 5228925.6/27

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.599+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

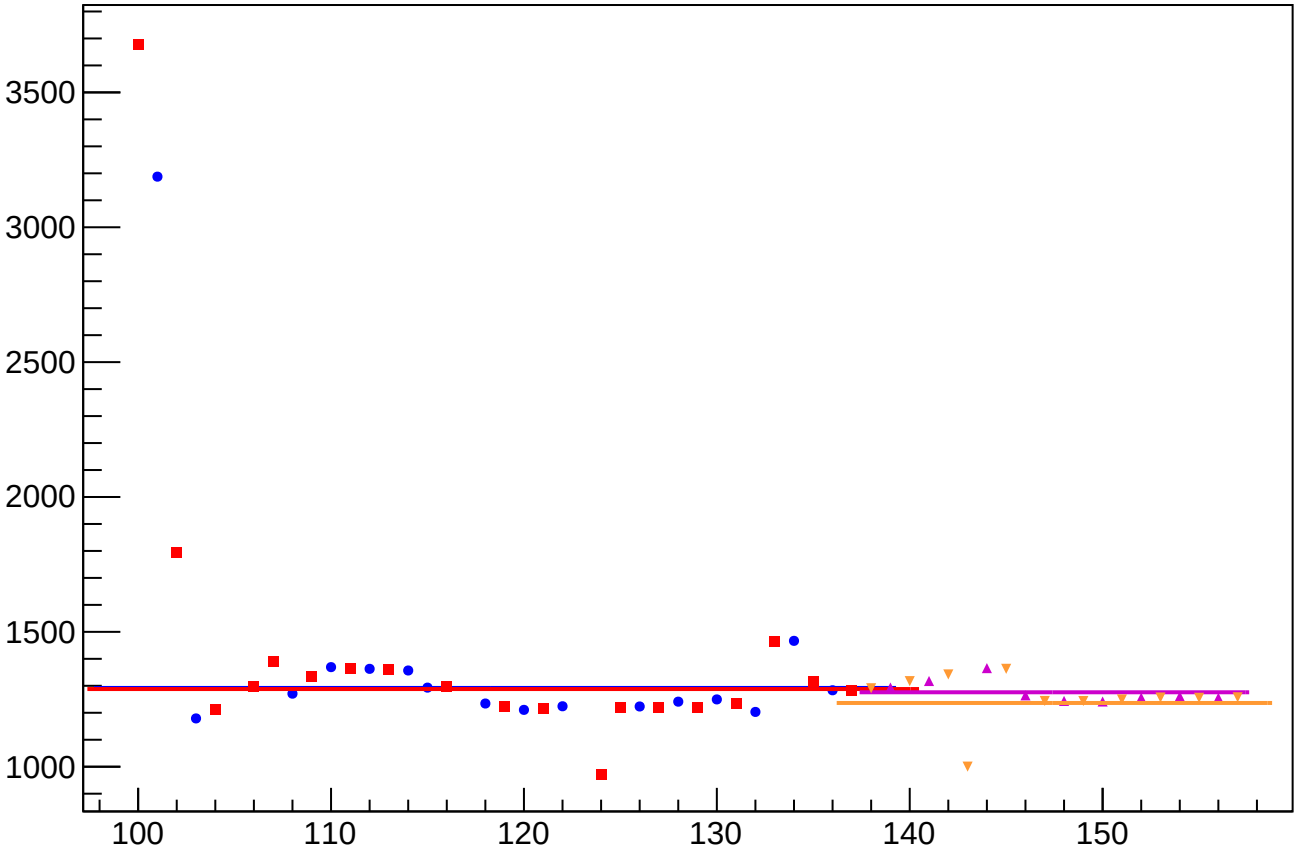
Left In: 768.446+/-455.848 χ^2/NDF:12.0/8

+ sign -401.207+/-319.152 χ^2/NDF: 27.6/26

All: 57.923+/-229.883 χ^2/NDF: 62.4/54

- sign 552.971+/-331.401 χ^2/NDF: 30.5/27

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

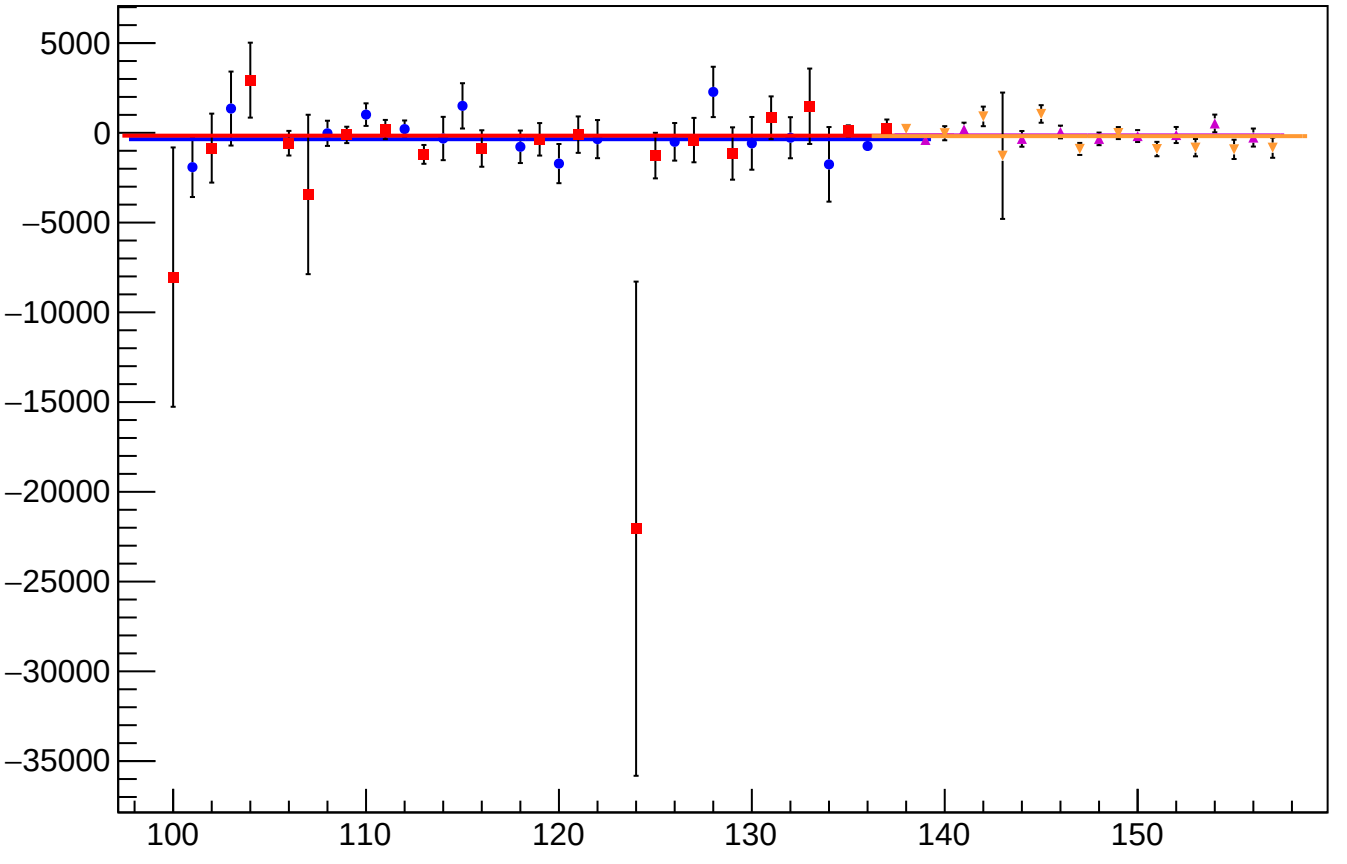
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1275.984+/-0.322 χ^2/NDF:13586.9/8

+ sign 1260.030+/-0.226 χ^2/NDF: 645382.6/26

All: 1270.430+/-0.163 χ^2/NDF: 873246.0/54

- sign 1281.644+/-0.234 χ^2/NDF: 223449.8/27



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -185.027+/-123.209 χ^2/NDF:26.4/10

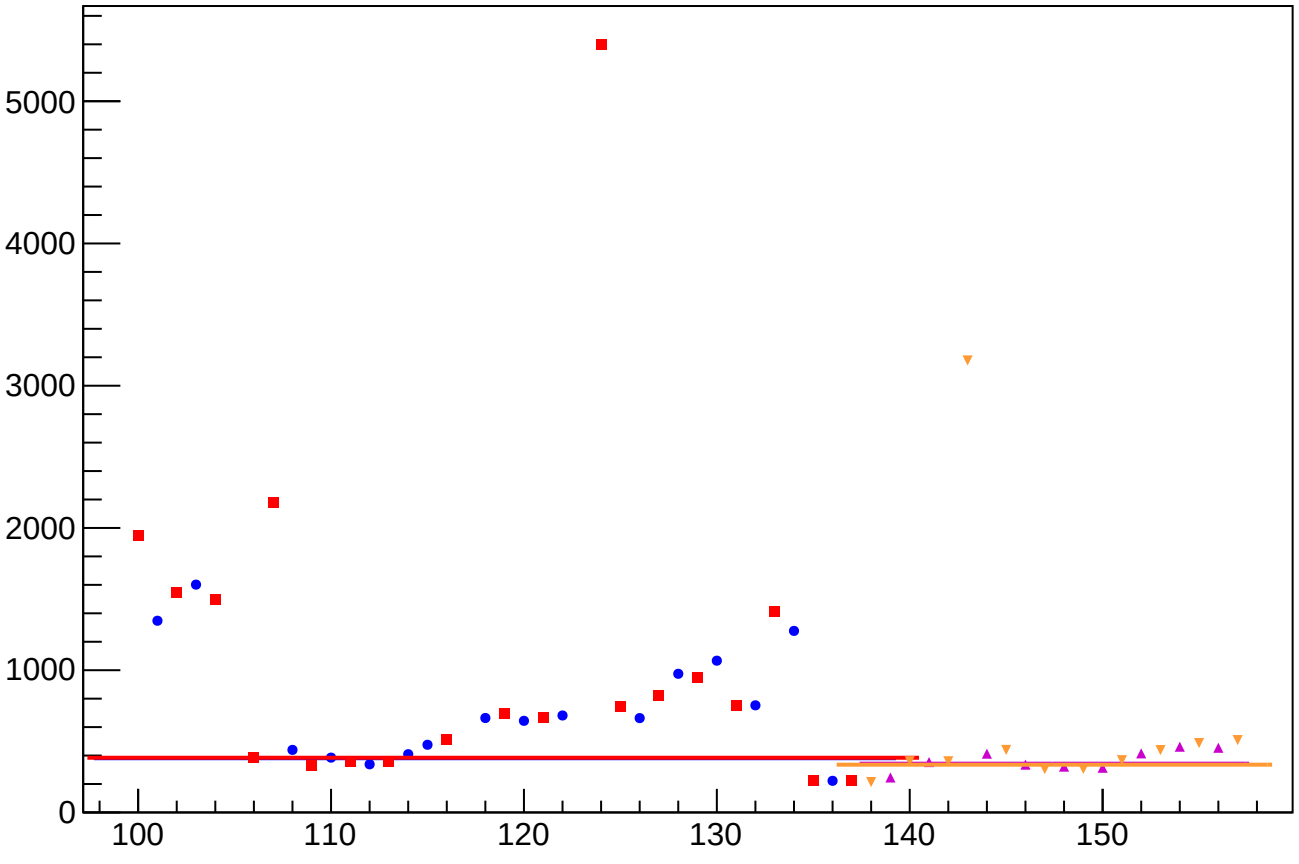
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -142.762+/-125.583 χ^2/NDF:4.3/8

+ sign -243.652+/-99.757 χ^2/NDF: 45.5/26

All: -196.454+/-70.954 χ^2/NDF: 66.1/54

- sign -148.130+/-100.940 χ^2/NDF: 20.1/27



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

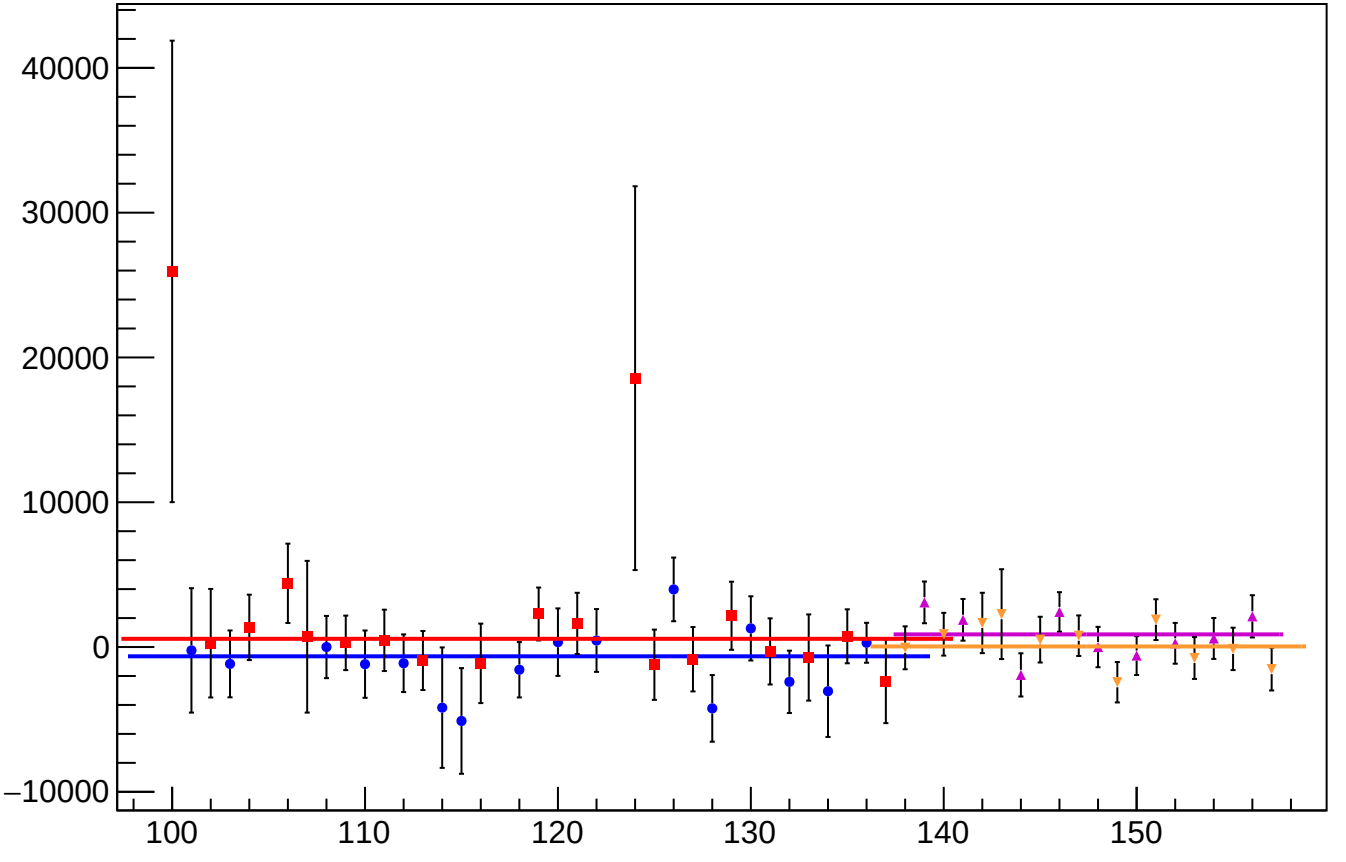
Left In: 342.872+/-0.089 χ^2/NDF:590261.4/8

+ sign 351.522+/-0.071 χ^2/NDF: 6803961.4/26

All: 354.556+/-0.050 χ^2/NDF: 12036409.5/54

- sign 357.662+/-0.071 χ^2/NDF: 5228704.7/27

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

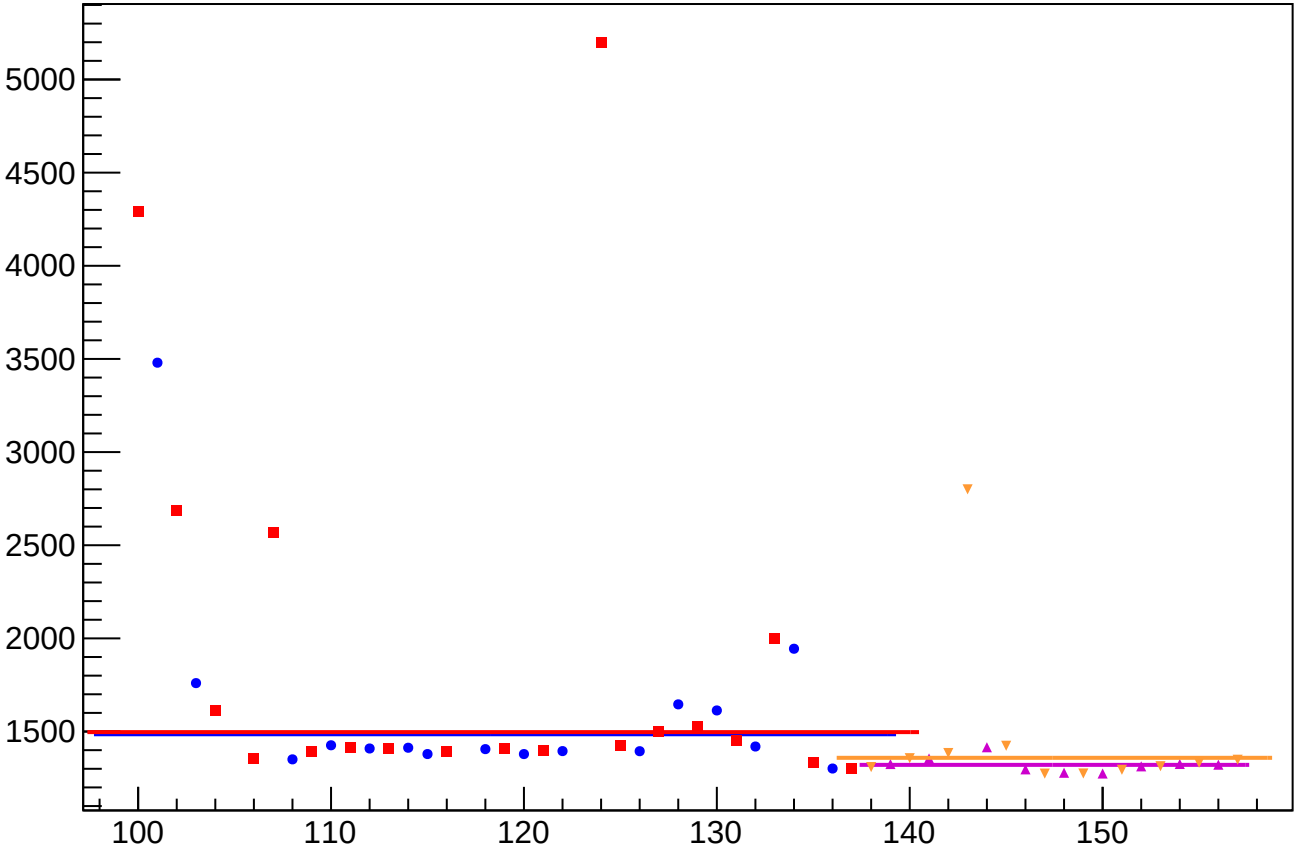
Left In: 873.767+/-471.969 χ^2/NDF:10.2/8

+ sign -236.634+/-359.887 χ^2/NDF: 21.5/26

All: 251.997+/-255.462 χ^2/NDF: 46.9/54

- sign 748.255+/-362.684 χ^2/NDF: 21.7/27

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

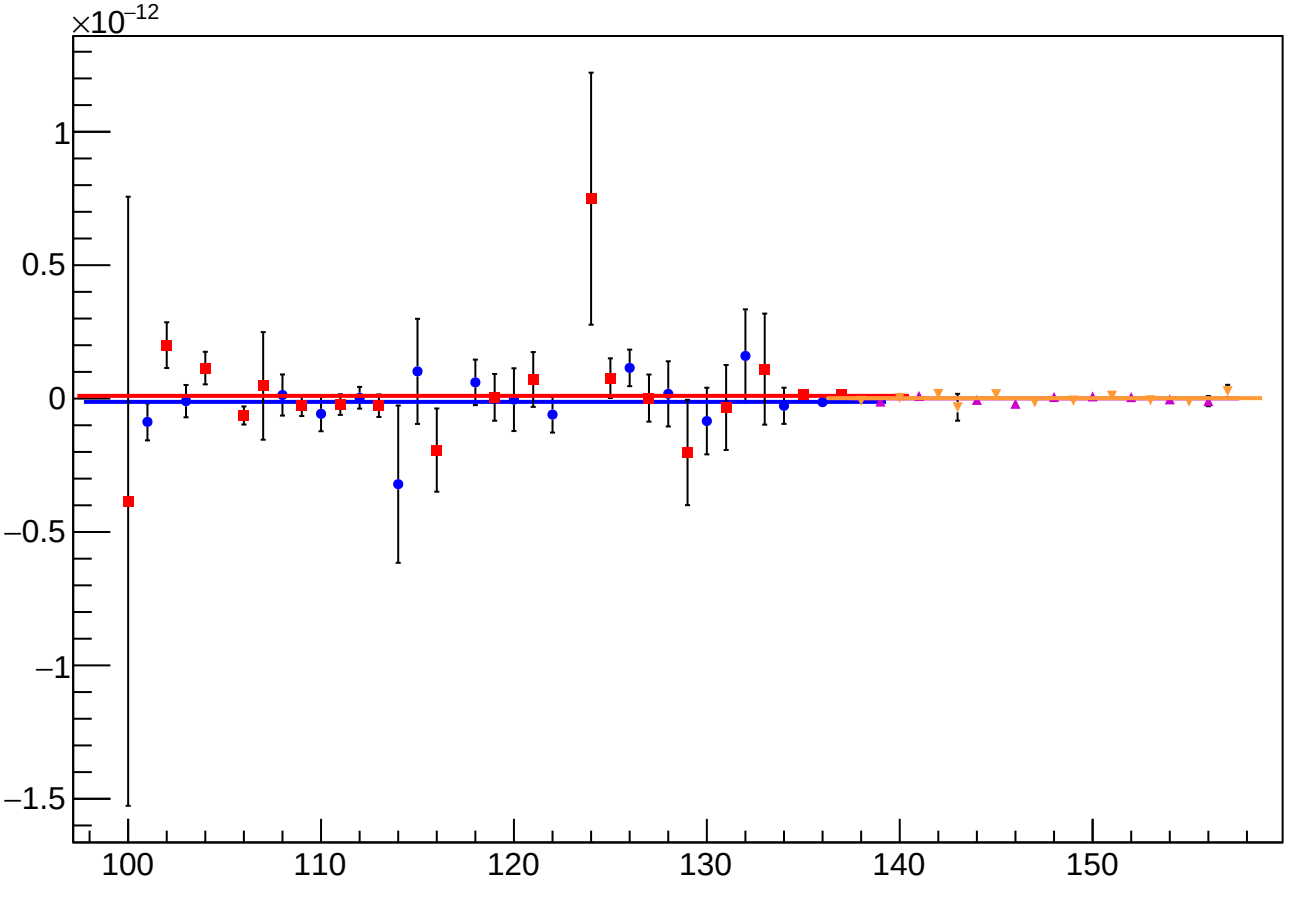
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.043+/-0.334 χ^2/NDF:14125.3/8

+ sign 1410.344+/-0.254 χ^2/NDF: 1102815.7/26

All: 1401.759+/-0.181 χ^2/NDF: 1856183.6/54

- sign 1393.040+/-0.256 χ^2/NDF: 751074.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

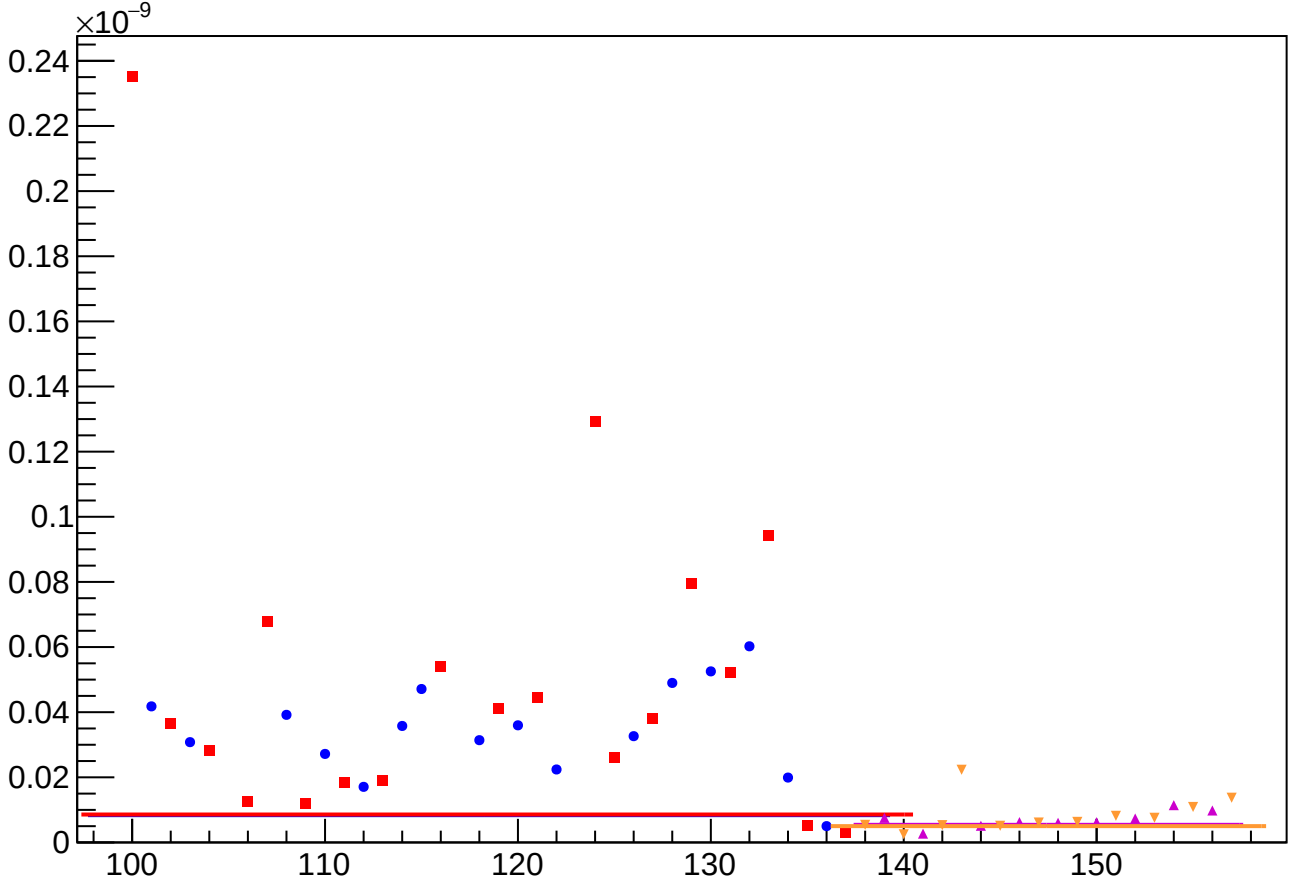
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/26

All: 0.000+/-0.000 χ^2/NDF: 57.6/54

- sign 0.000+/-0.000 χ^2/NDF: 32.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

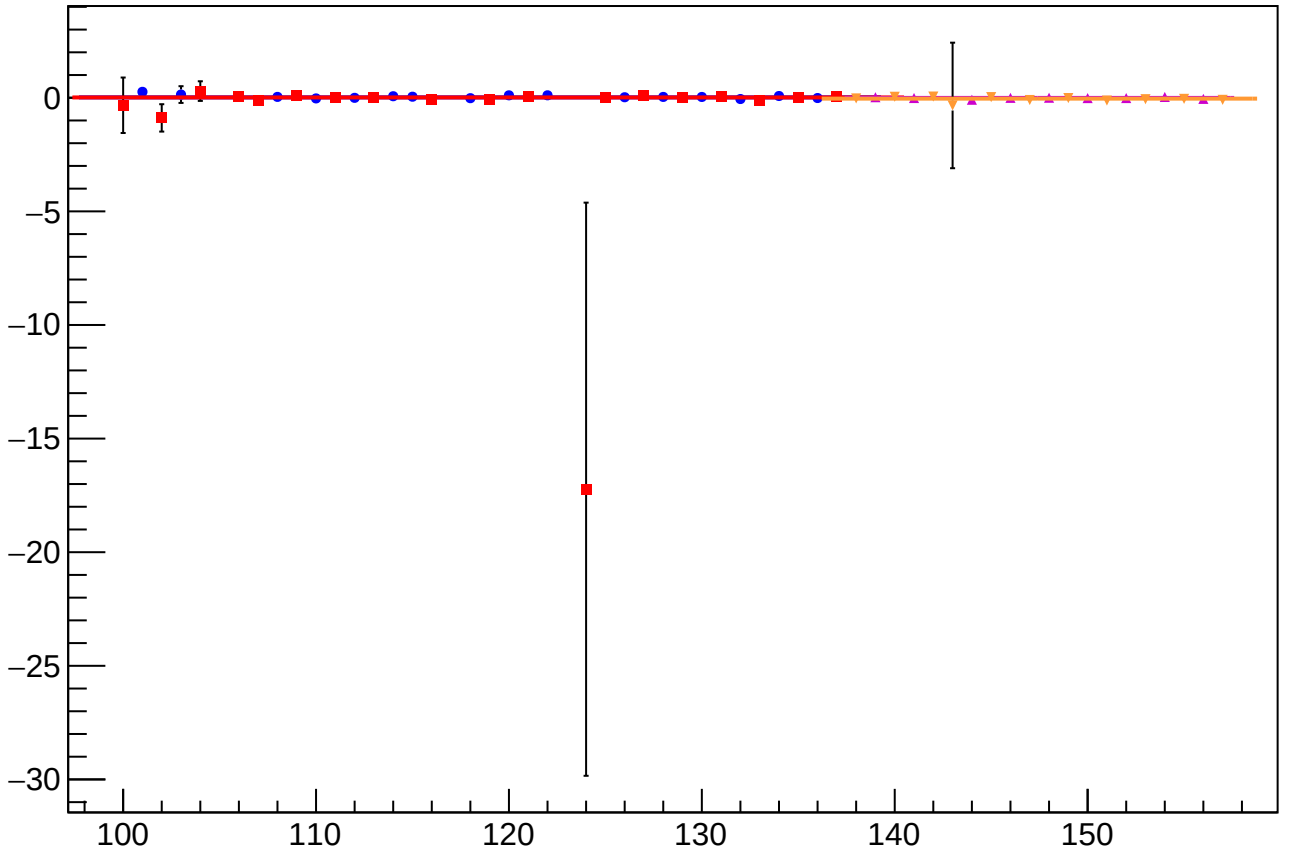
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:920257.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 4933632.6/26

All: 0.000+/-0.000 χ^2/NDF: 9486787.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4536719.2/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

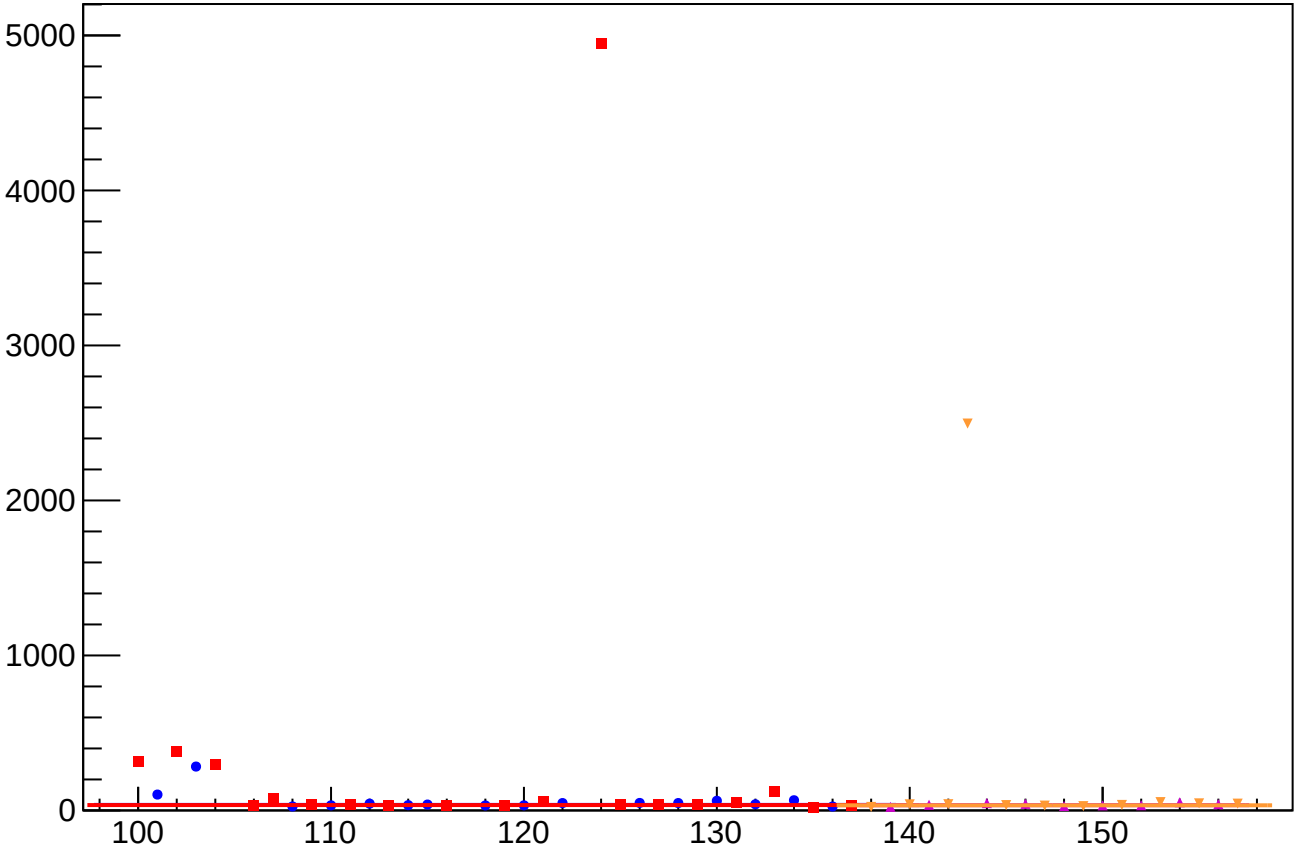
Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

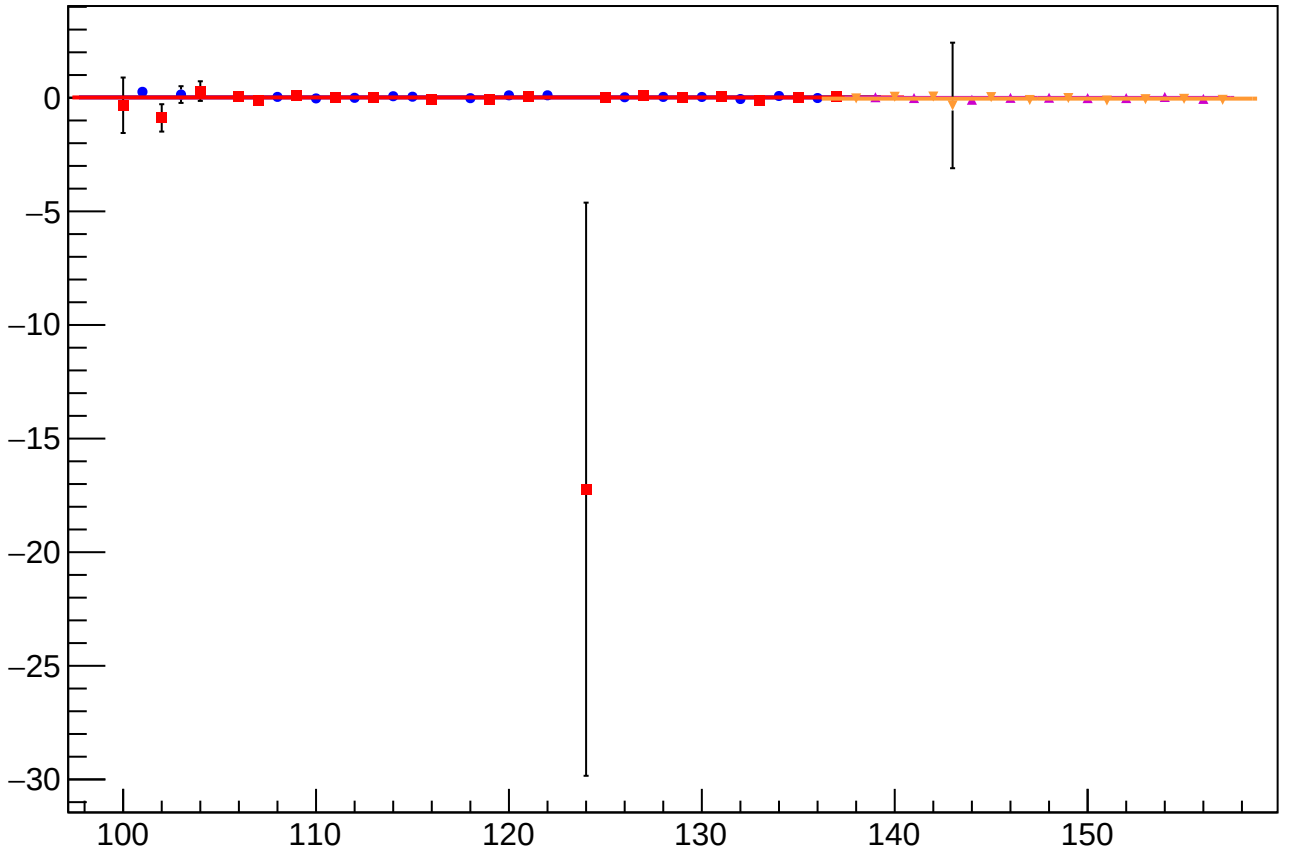
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.278+/-0.010 χ^2/NDF:758169.4/8

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.391+/-0.005 χ^2/NDF: 8411538.3/54

- sign 34.500+/-0.007 χ^2/NDF: 3673566.2/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

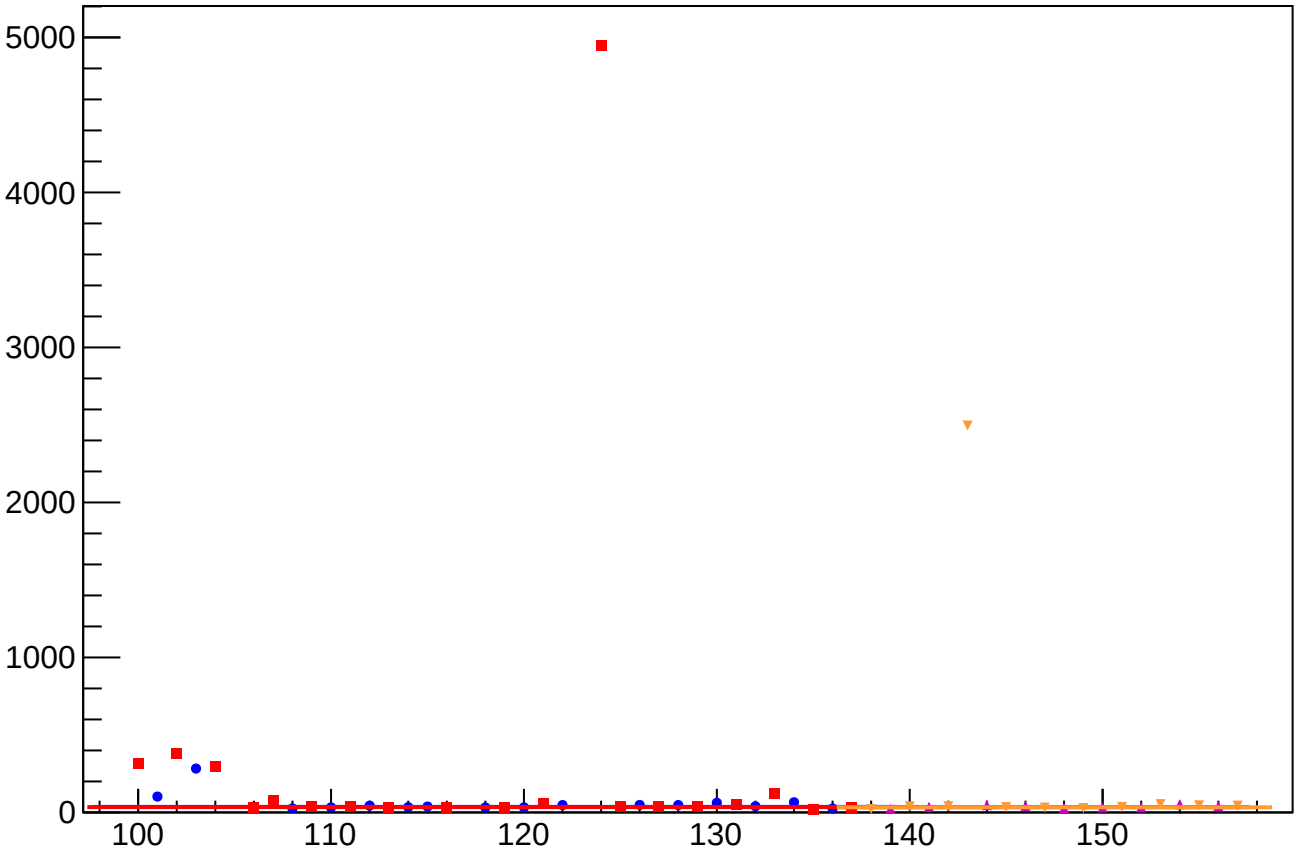
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

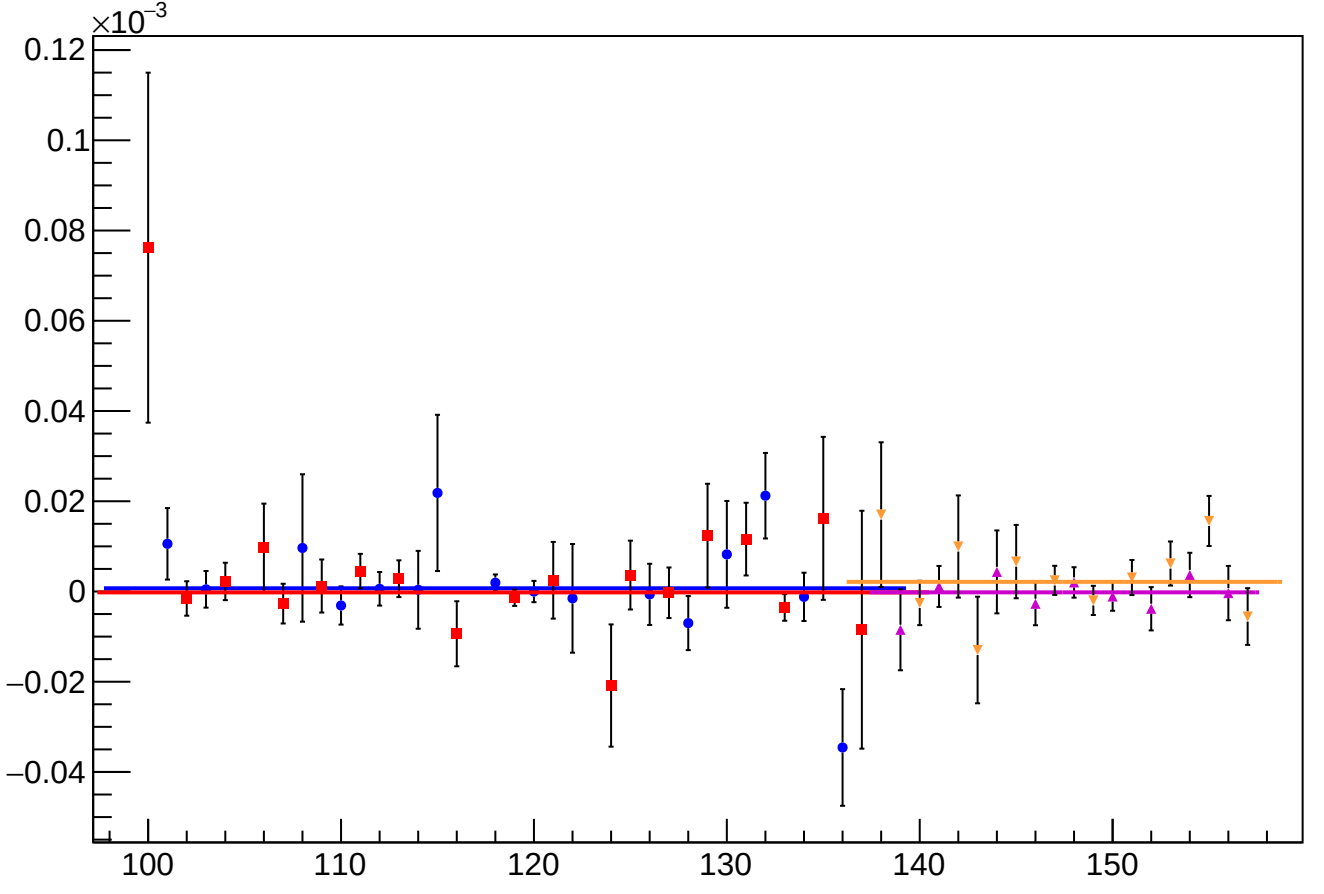
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.278+/-0.010 χ^2/NDF:758169.4/8

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.391+/-0.005 χ^2/NDF: 8411538.3/54

- sign 34.500+/-0.007 χ^2/NDF: 3673566.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

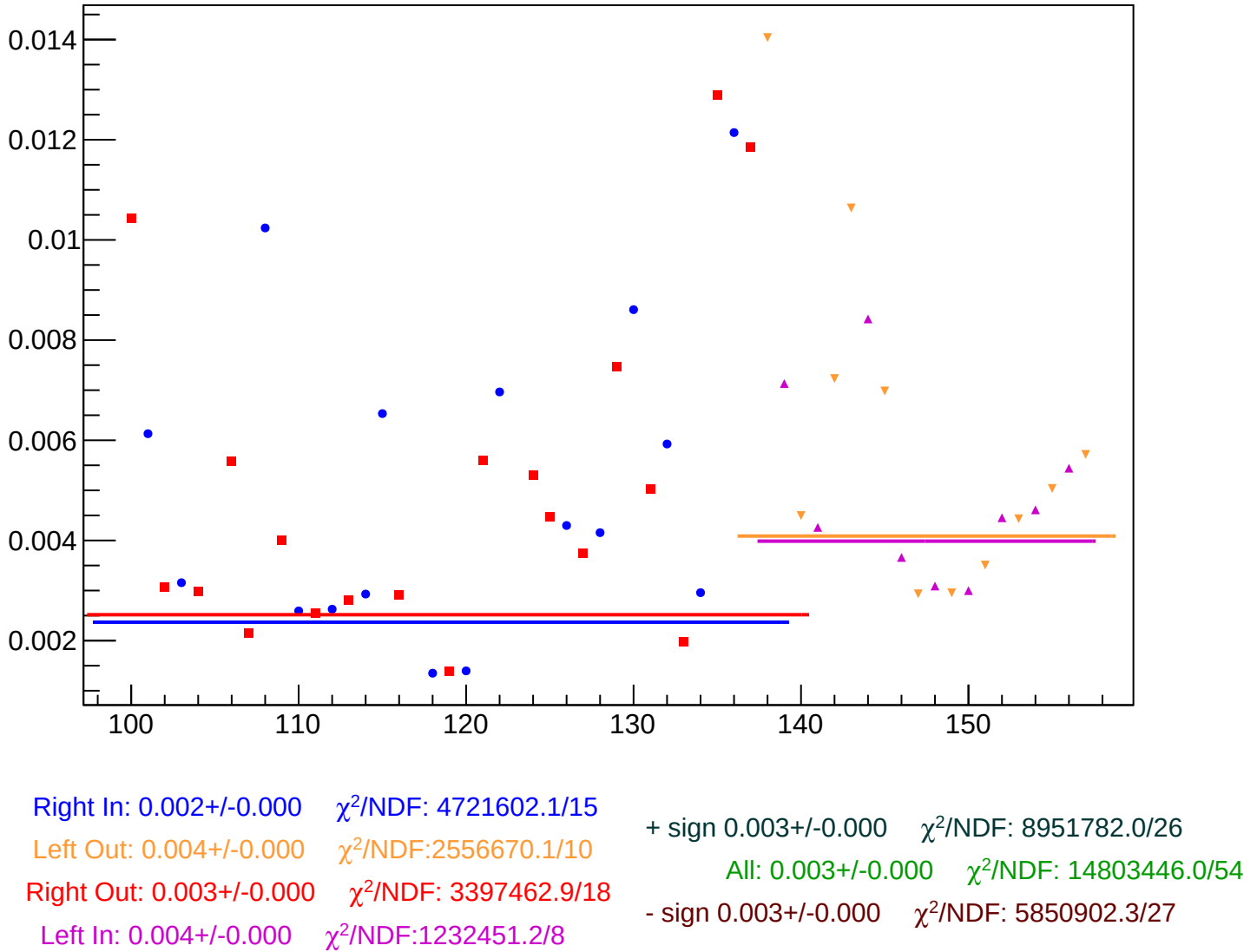
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

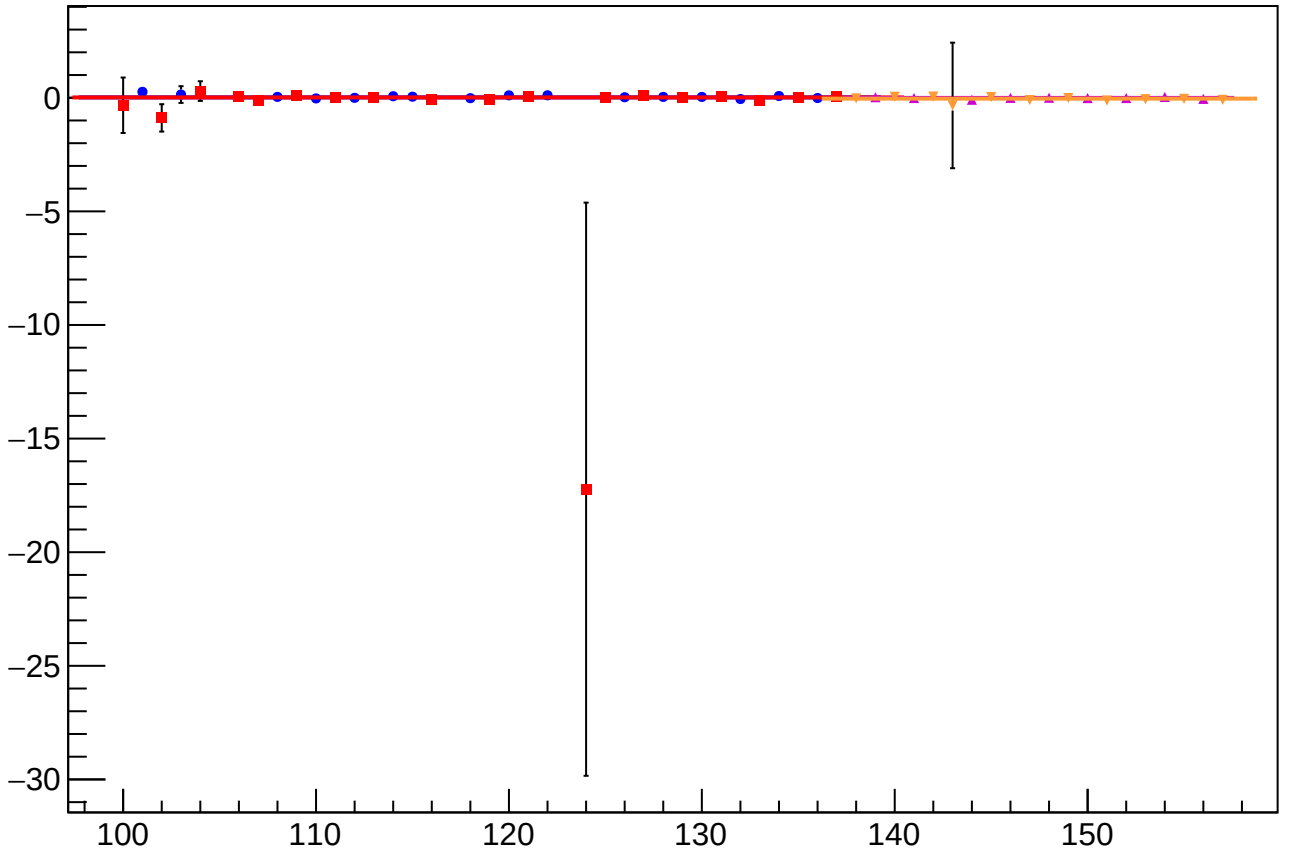
Left In: -0.000+/-0.000 χ^2/NDF:3.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/26

All: 0.000+/-0.000 χ^2/NDF: 56.1/54

- sign -0.000+/-0.000 χ^2/NDF: 21.2/27


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
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.004+/-0.000 χ²/NDF:2556670.1/10
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.004+/-0.000 χ²/NDF:1232451.2/8
+ sign 0.003+/-0.000 χ²/NDF: 8951782.0/26
All: 0.003+/-0.000 χ²/NDF: 14803446.0/54
- sign 0.003+/-0.000 χ²/NDF: 5850902.3/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

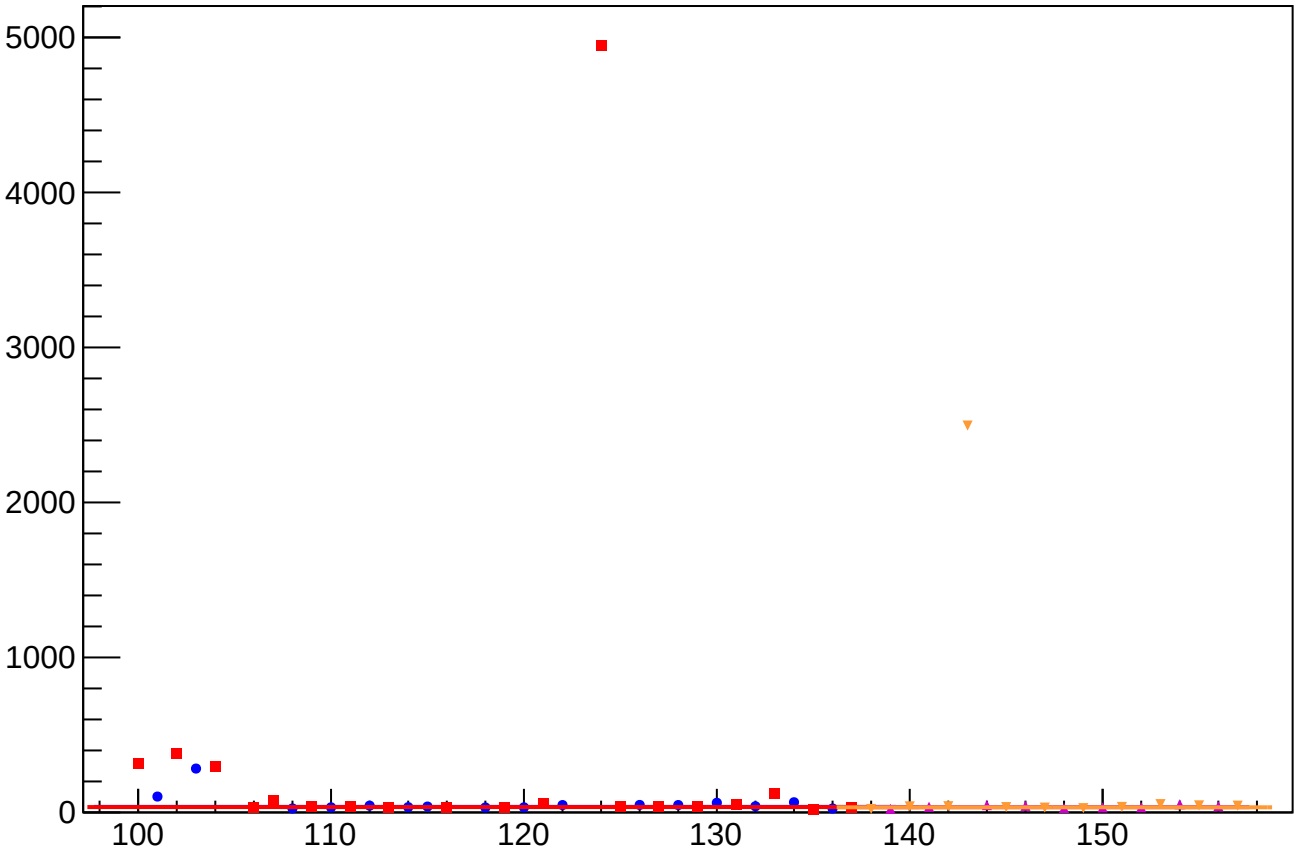
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

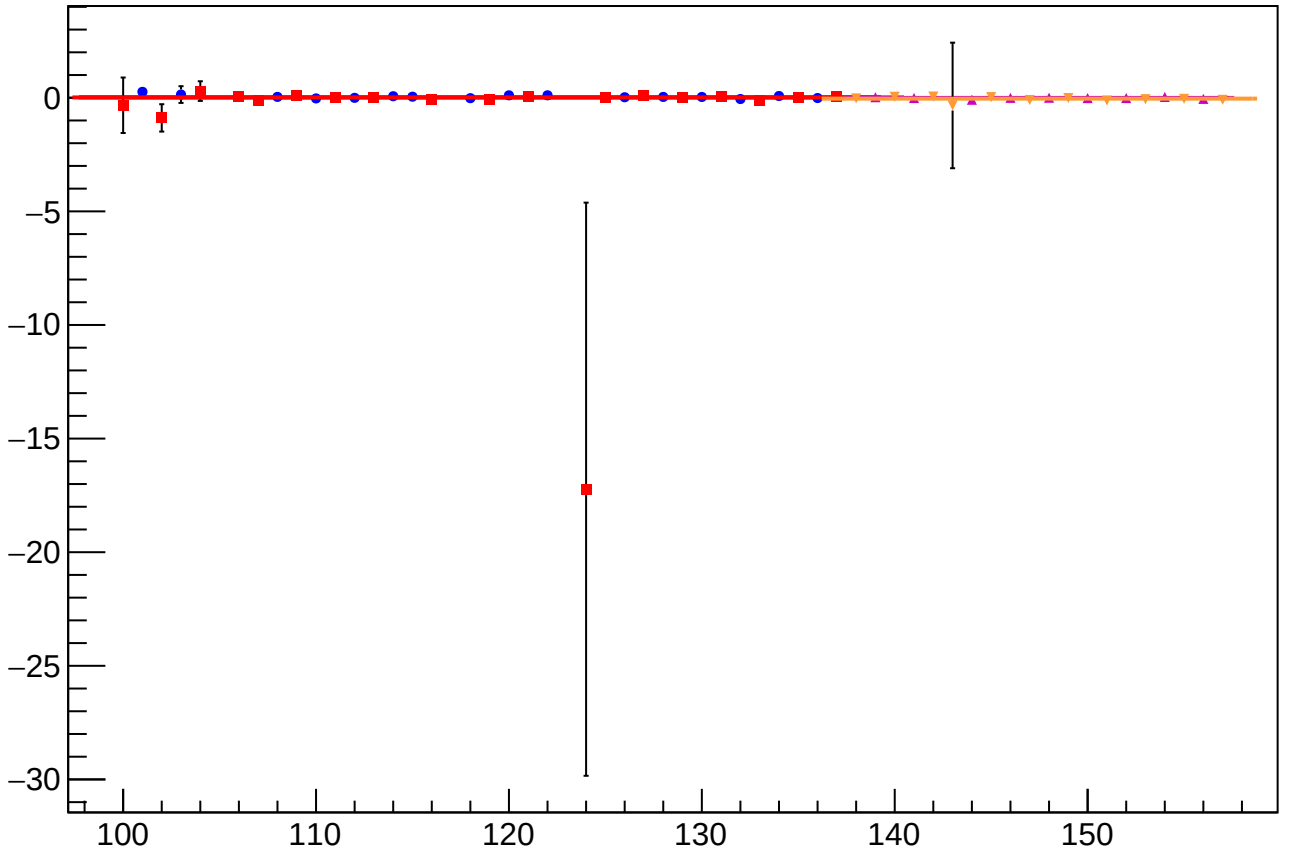
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.276+/-0.010 χ^2/NDF:758622.9/8

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.391+/-0.005 χ^2/NDF: 8411862.6/54

- sign 34.500+/-0.007 χ^2/NDF: 3673858.2/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

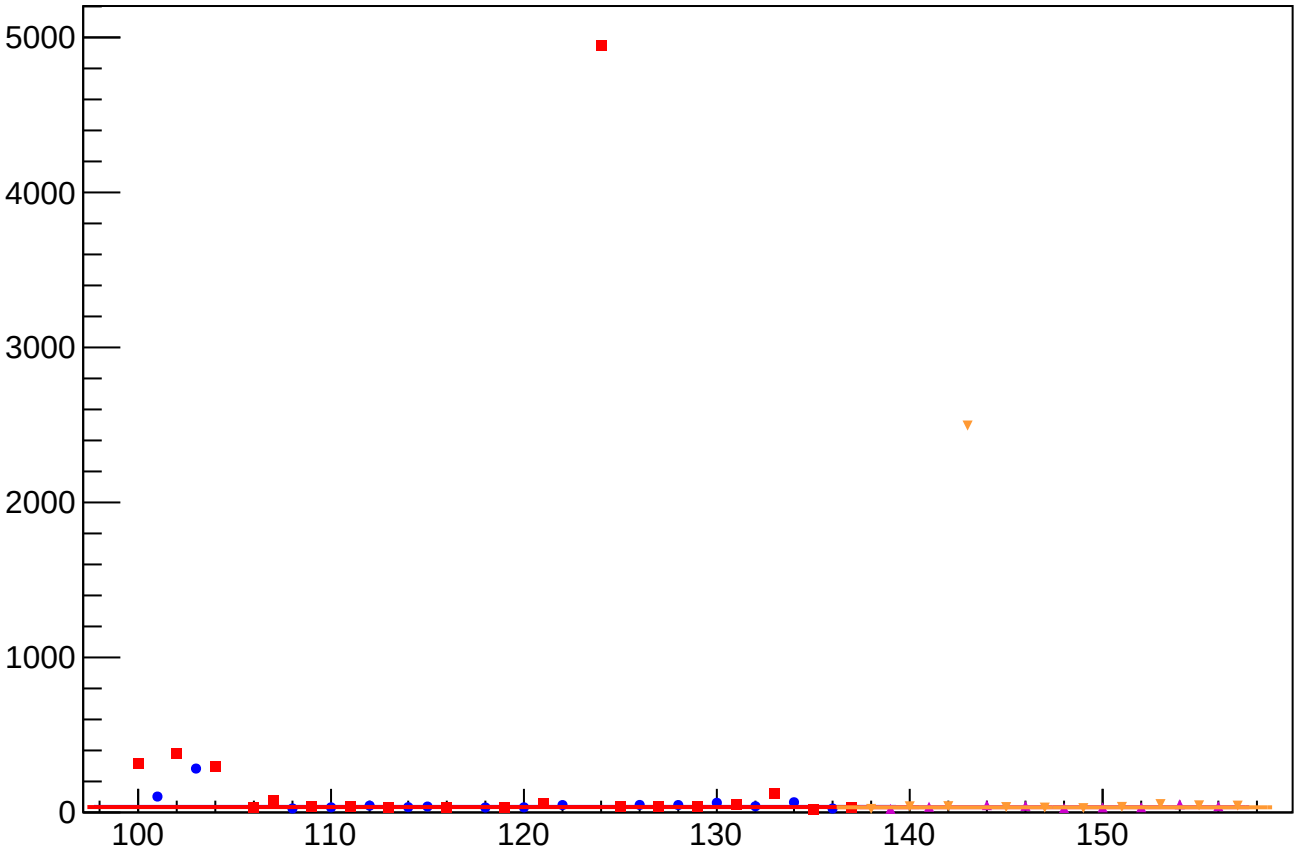
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

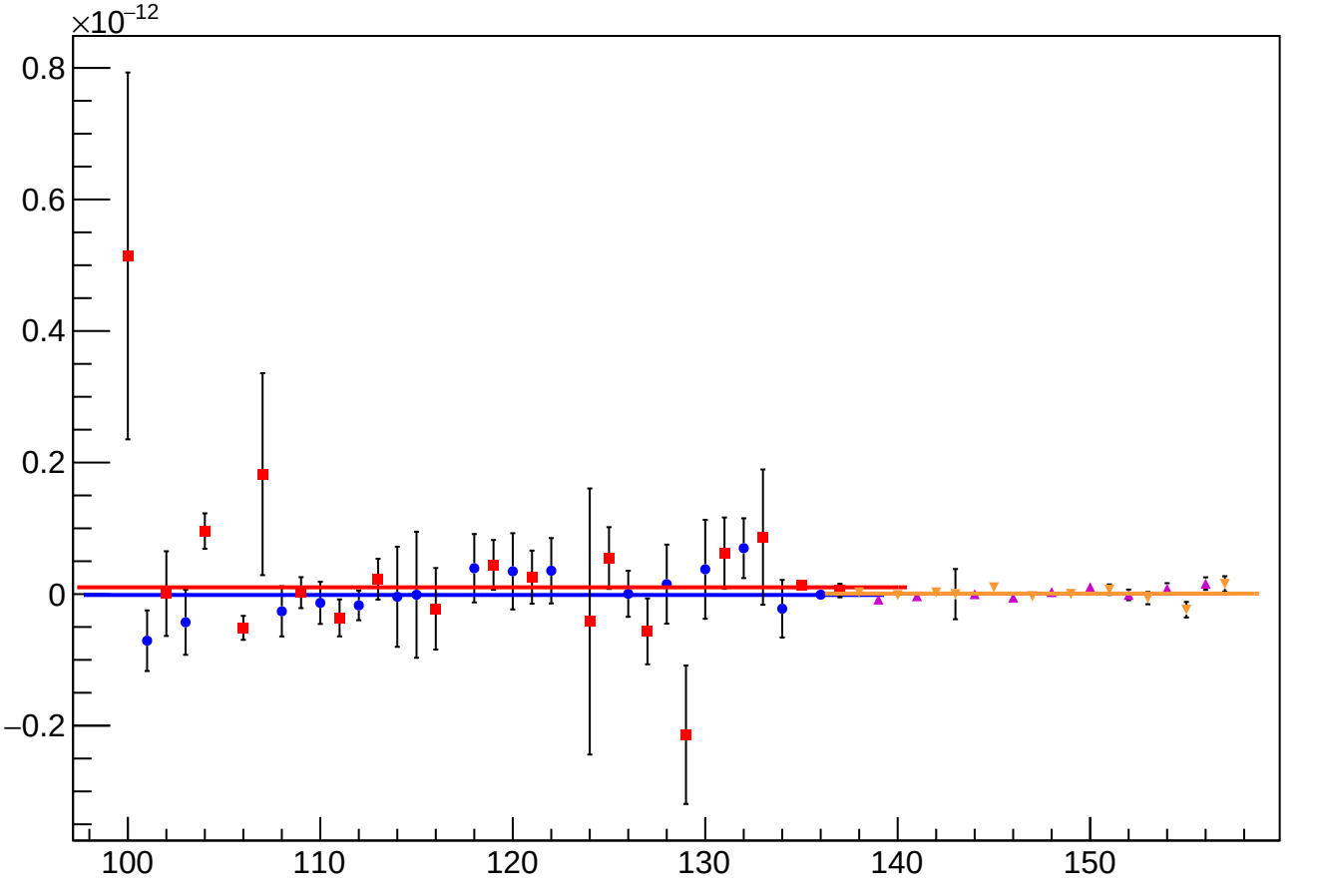
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.276+/-0.010 χ^2/NDF:758622.9/8

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.391+/-0.005 χ^2/NDF: 8411862.6/54

- sign 34.500+/-0.007 χ^2/NDF: 3673858.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/10

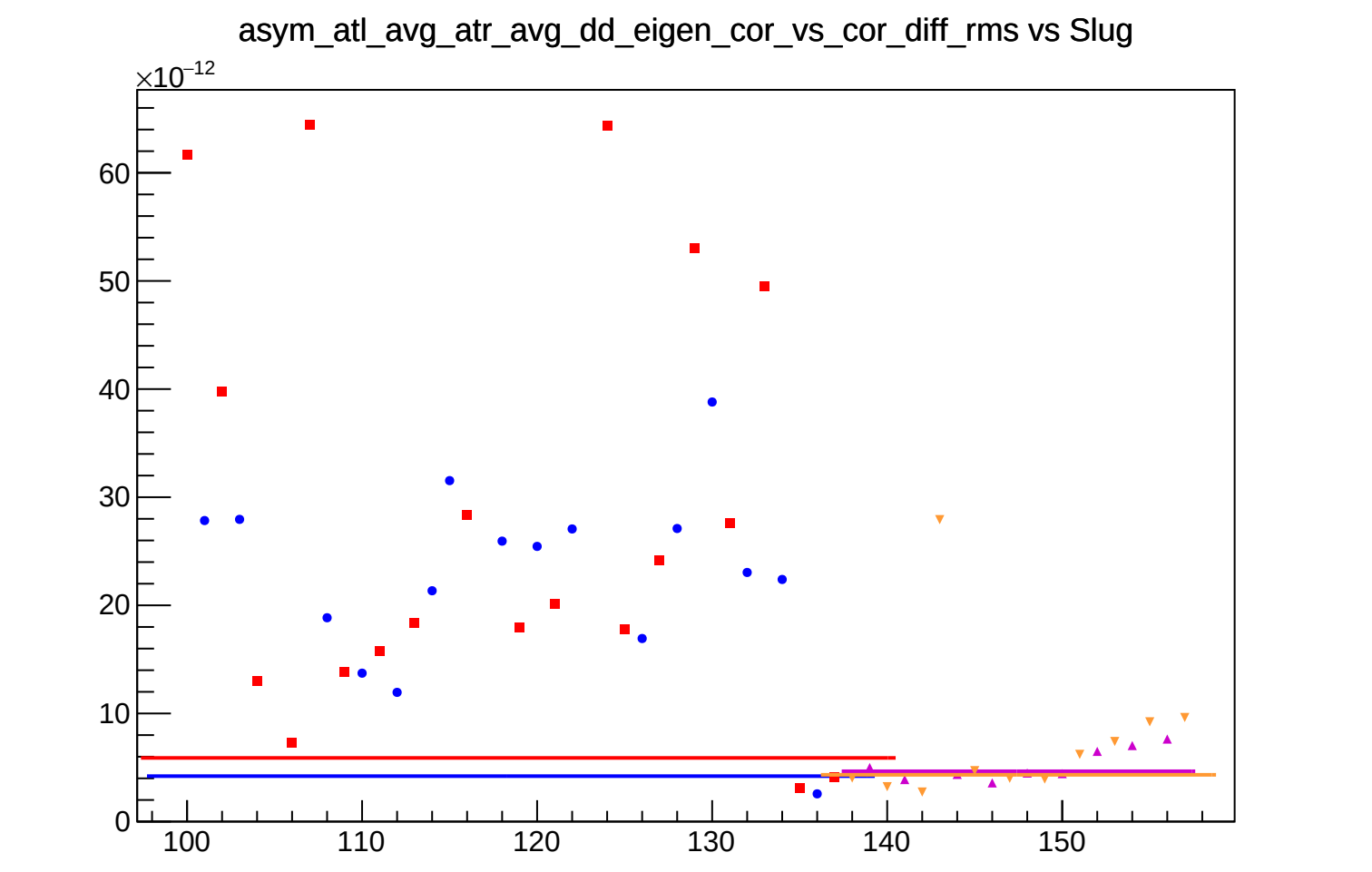
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/8

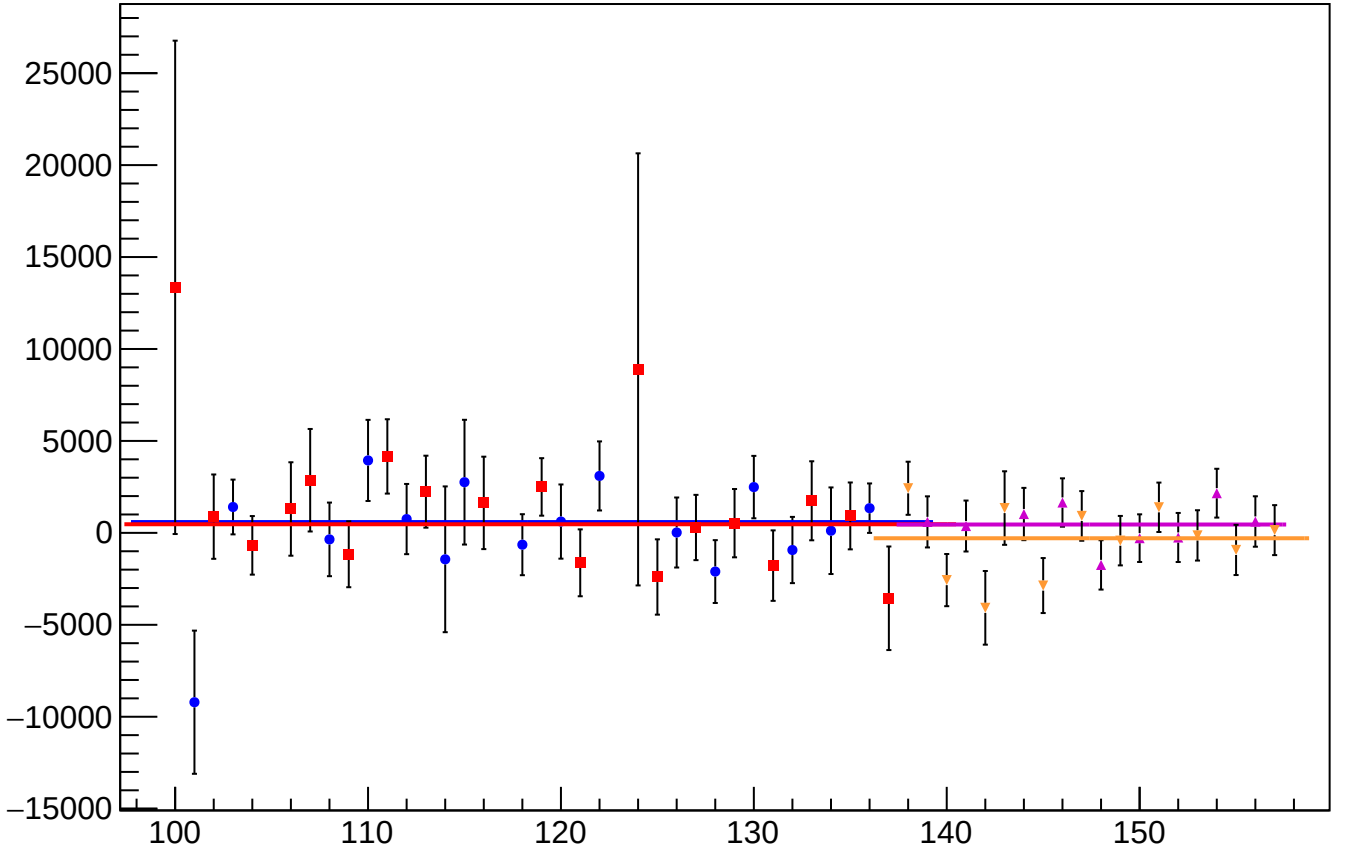
+ sign 0.000+/-0.000 χ^2/NDF: 19.2/26

All: 0.000+/-0.000 χ^2/NDF: 75.2/54

- sign 0.000+/-0.000 χ^2/NDF: 55.2/27


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2223274.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:629811.0/8
+ sign 0.000+/-0.000 χ²/NDF: 7305477.2/26
All: 0.000+/-0.000 χ²/NDF: 13052298.5/54
- sign 0.000+/-0.000 χ²/NDF: 5632116.4/27

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

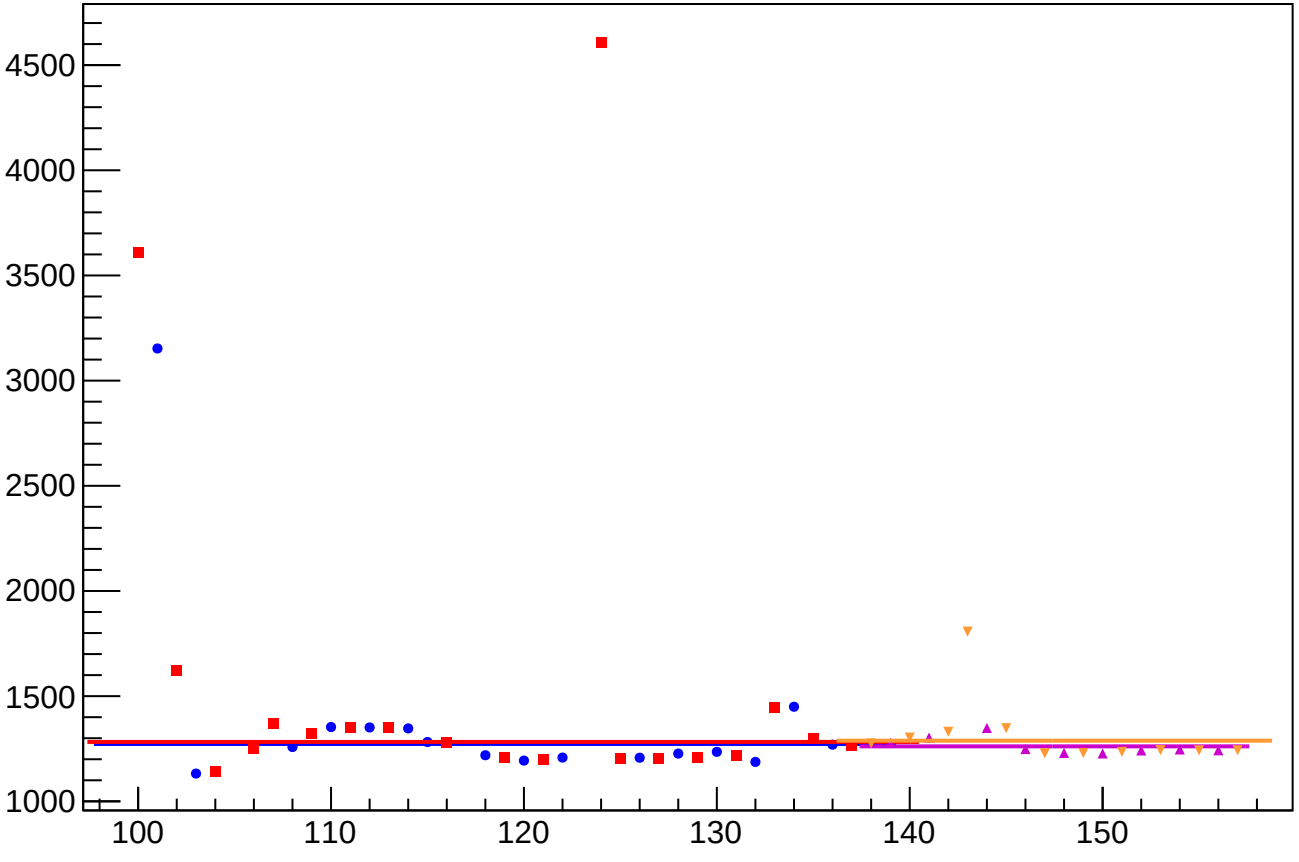
Left In: 454.369+/-450.602 χ^2/NDF:6.0/8

+ sign 105.533+/-324.668 χ^2/NDF: 34.9/26

All: 281.187+/-230.984 χ^2/NDF: 58.3/54

- sign 461.221+/-328.690 χ^2/NDF: 22.8/27

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

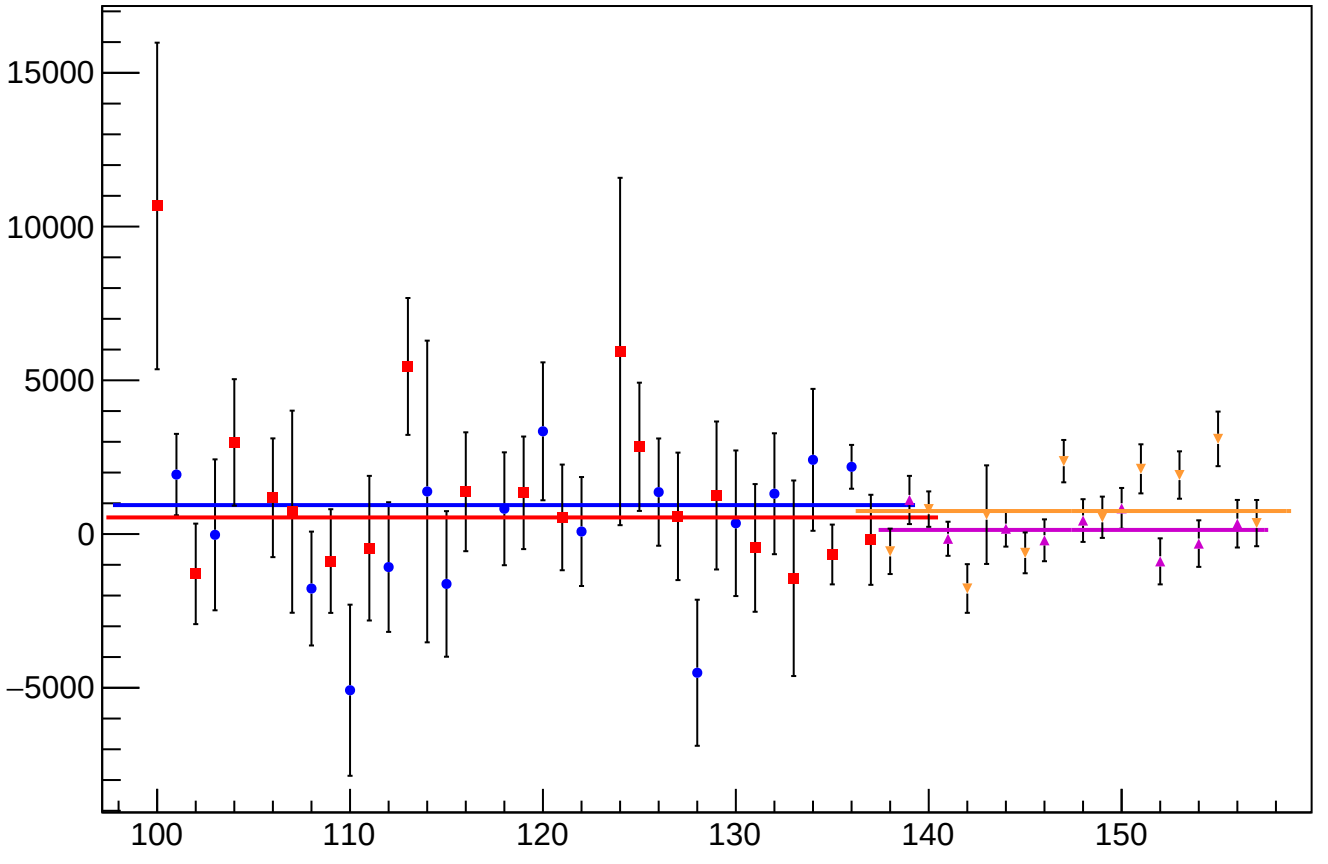
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676796.9/26

All: 1276.272+/-0.163 χ^2/NDF: 1015217.0/54

- sign 1271.177+/-0.232 χ^2/NDF: 337470.5/27



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

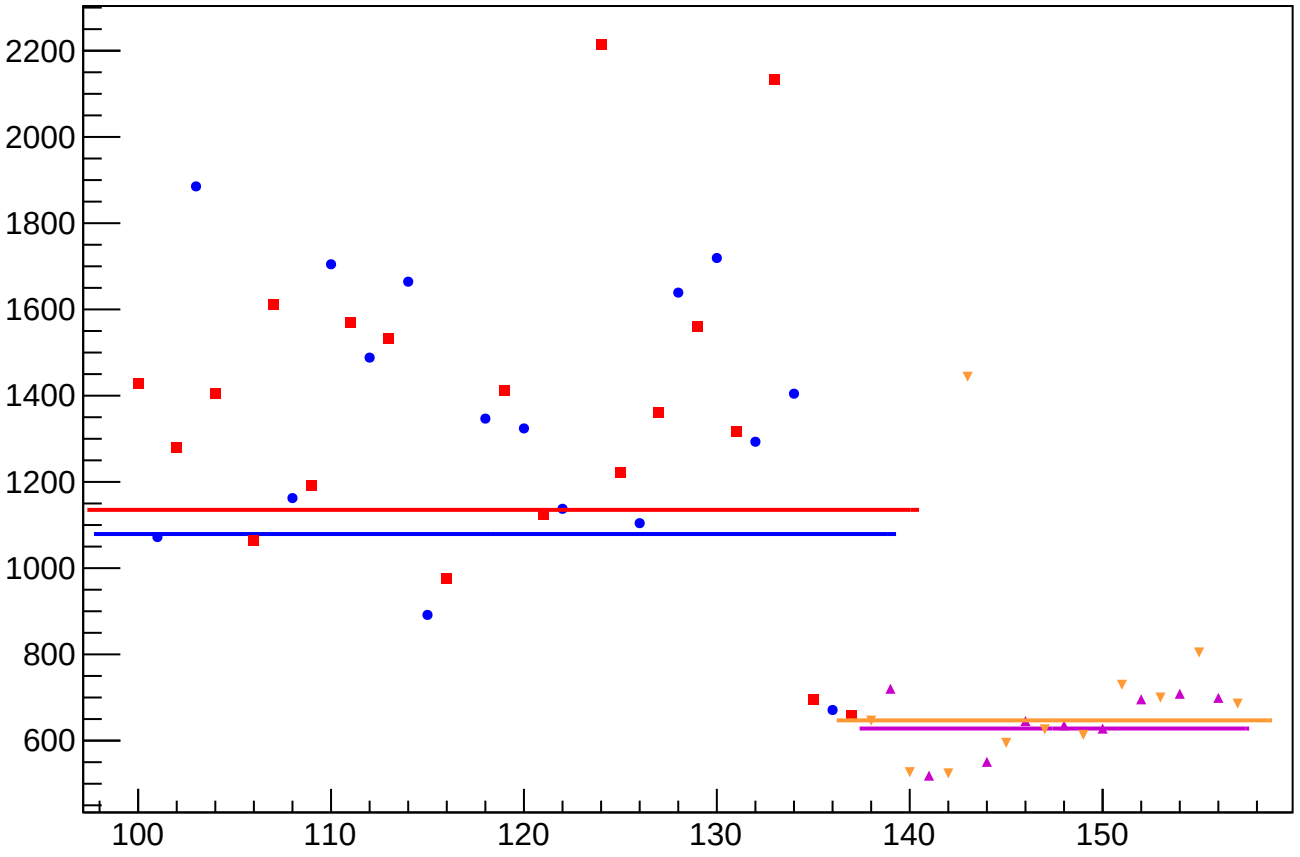
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 134.381+/-226.310 χ^2/NDF:5.7/8

\+ sign 790.967+/-199.096 χ^2/NDF: 55.7/26

All: 508.245+/-141.535 χ^2/NDF: 83.3/54

\- sign 219.397+/-201.241 χ^2/NDF: 23.5/27



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

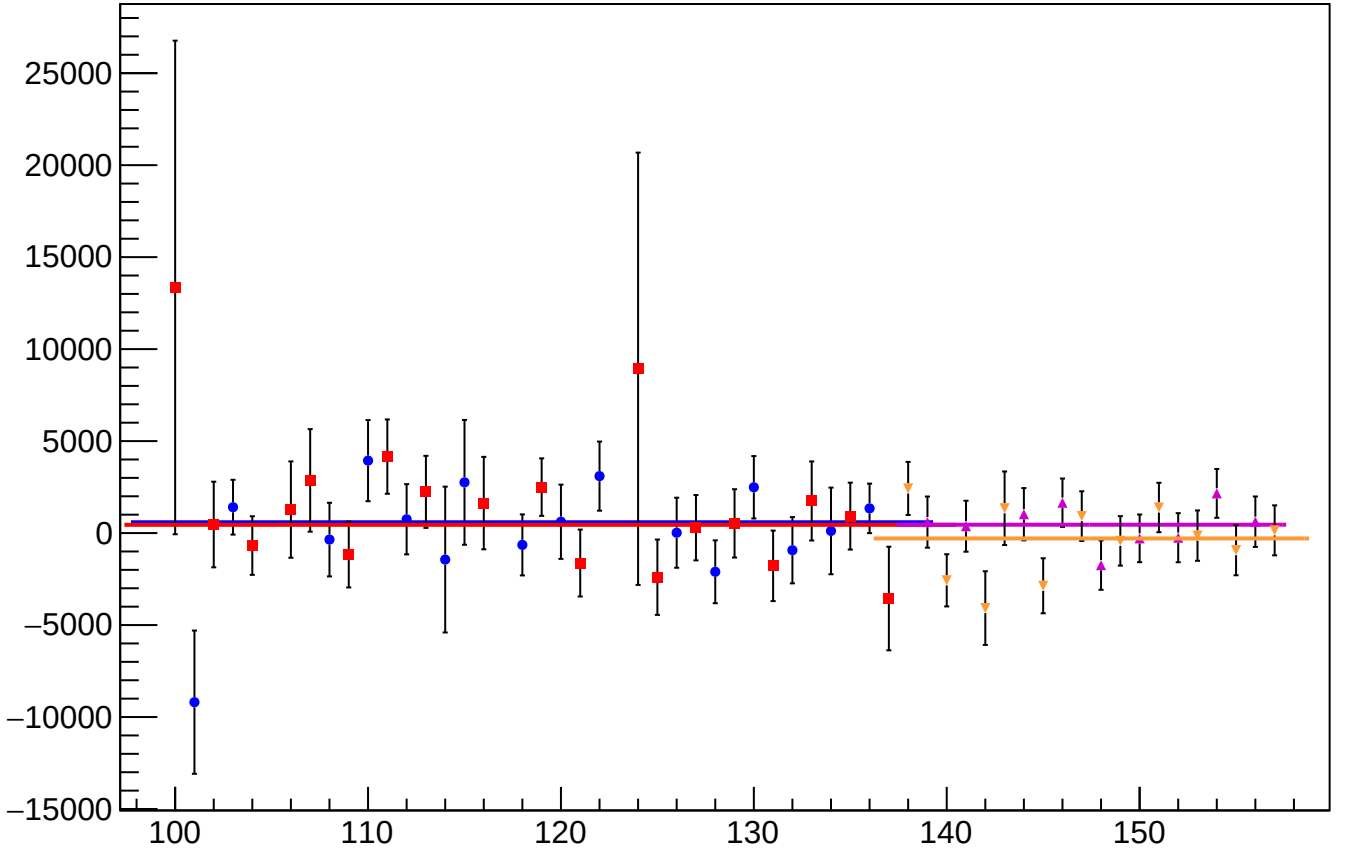
Left In: 628.063+/-0.160 χ^2/NDF:198002.0/8

+ sign 741.448+/-0.141 χ^2/NDF: 3839095.8/26

All: 737.856+/-0.100 χ^2/NDF: 7432955.8/54

- sign 734.186+/-0.142 χ^2/NDF: 3592543.9/27

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

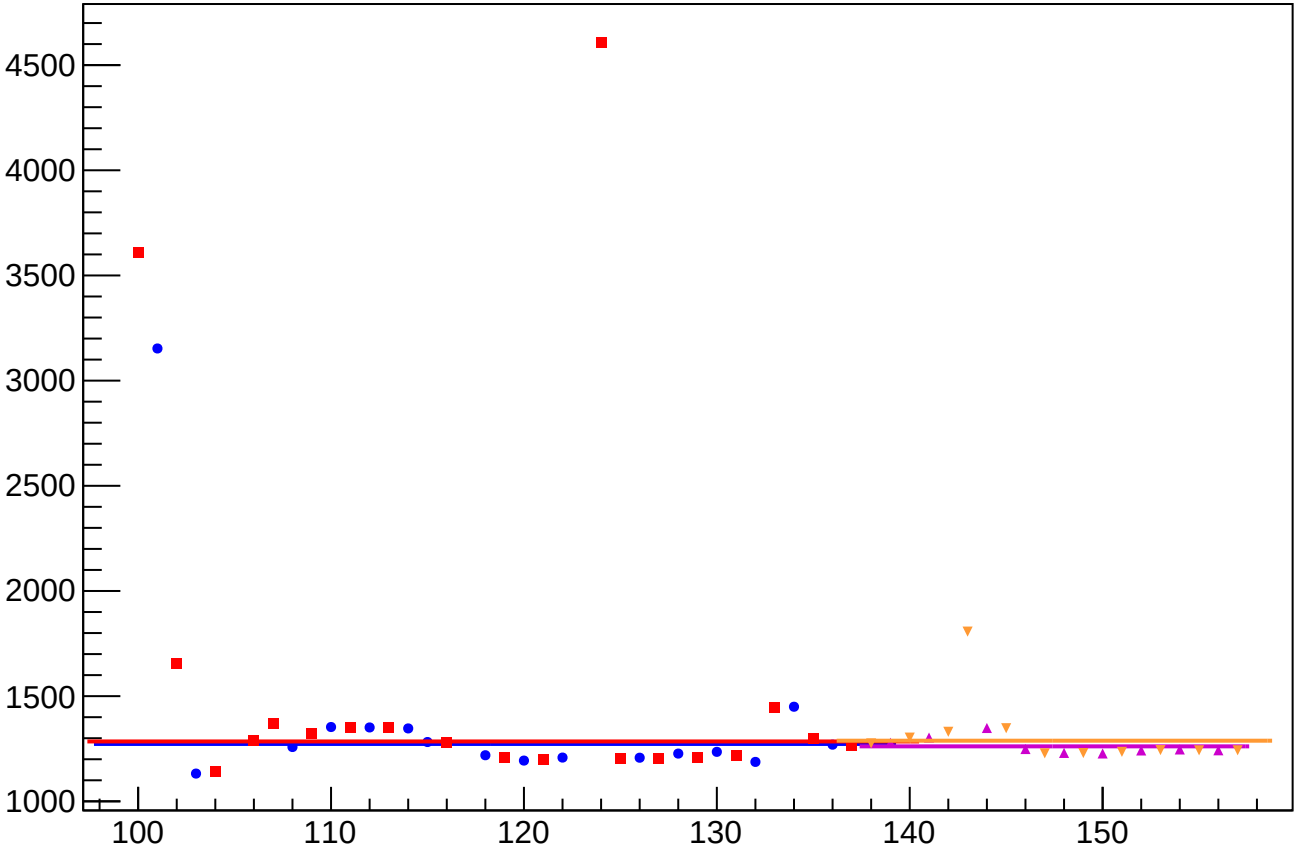
Left In: 454.378+/-450.602 χ^2/NDF:6.0/8

+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 276.330+/-231.074 χ^2/NDF: 58.2/54

- sign 451.592+/-328.952 χ^2/NDF: 22.8/27

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

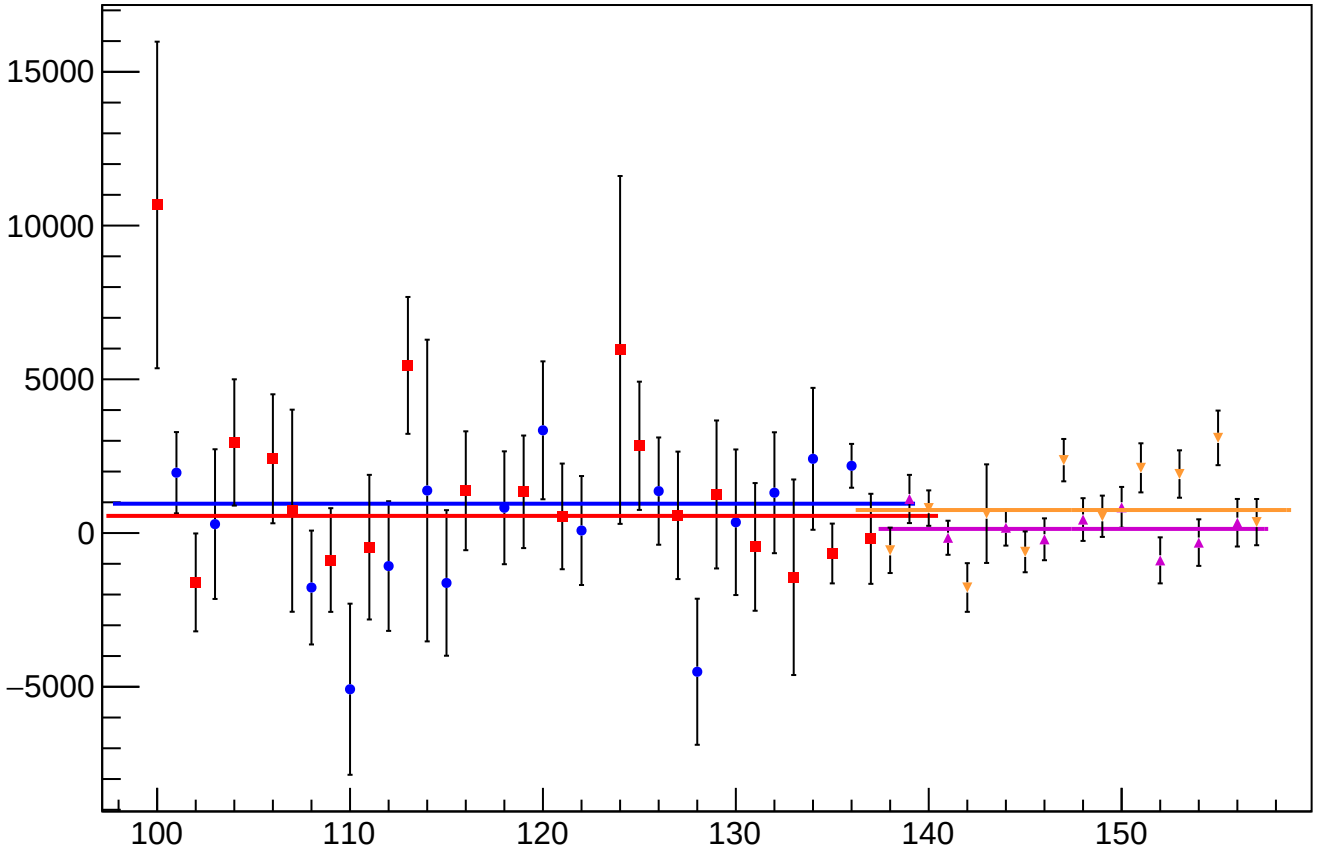
Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.795+/-0.163 χ^2/NDF: 1022149.5/54

- sign 1272.228+/-0.233 χ^2/NDF: 344590.1/27

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

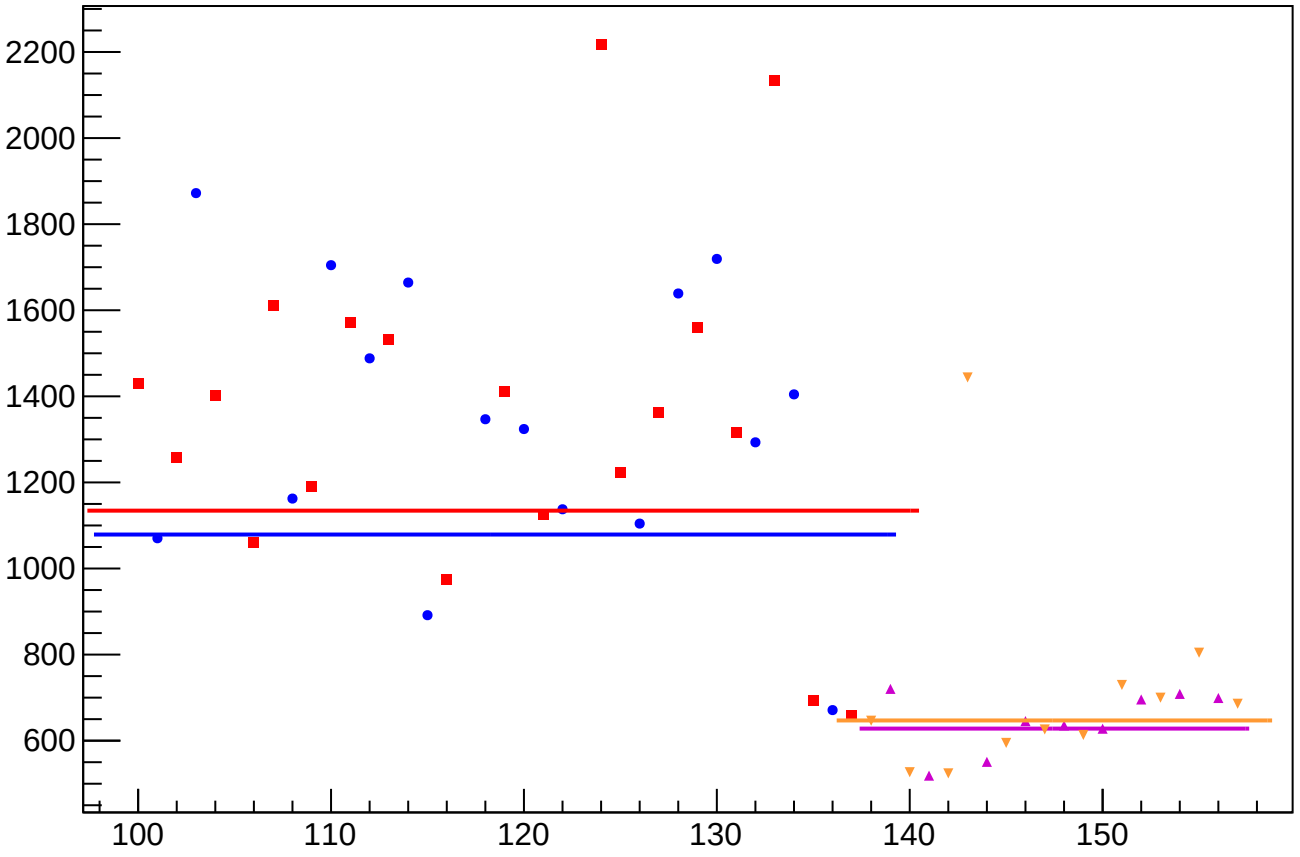
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 134.398+/-226.309 χ^2/NDF:5.7/8

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 511.409+/-141.556 χ^2/NDF: 84.5/54

\- sign 222.762+/-201.322 χ^2/NDF: 24.8/27



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

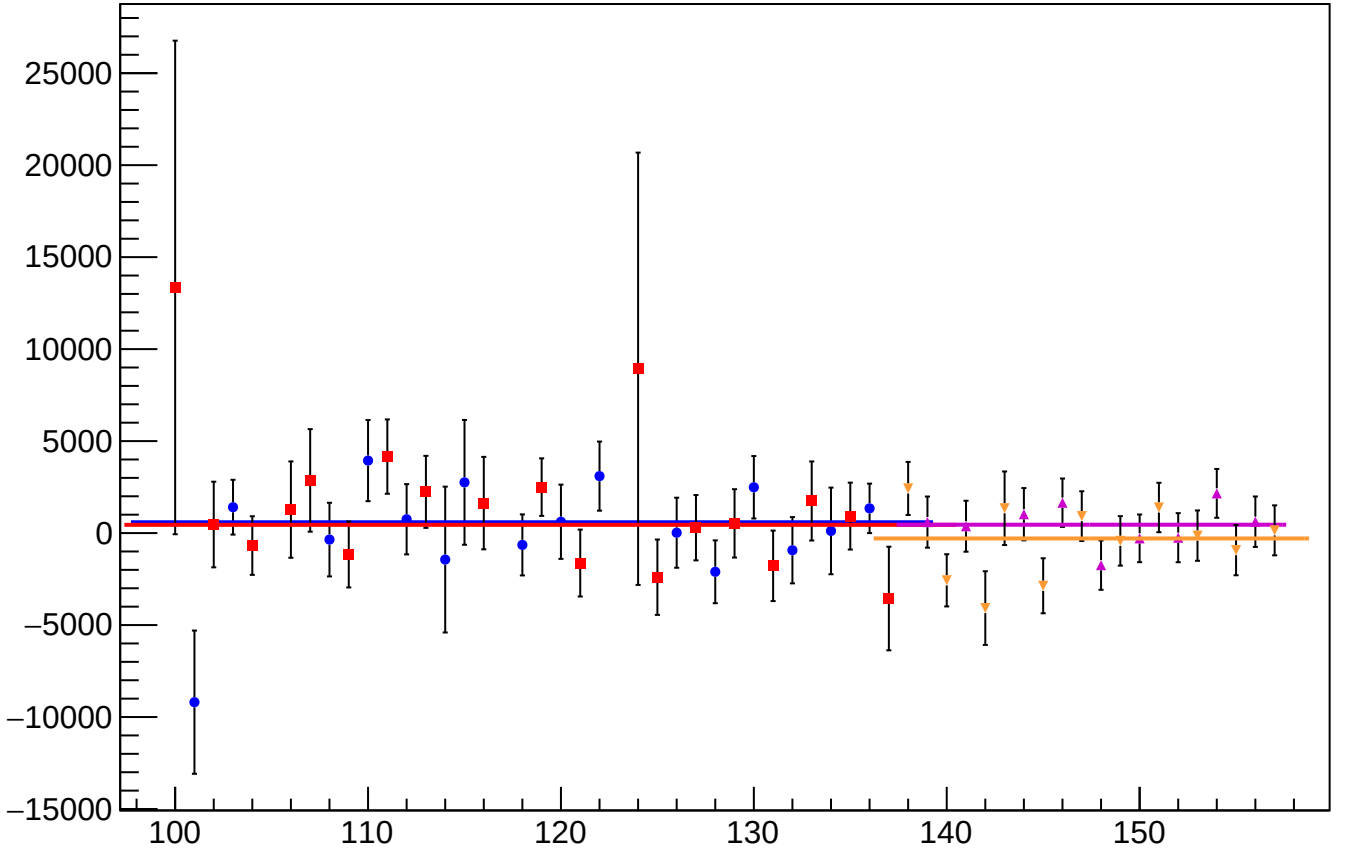
Left In: 628.058+/-0.160 χ^2/NDF:198027.0/8

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 737.633+/-0.100 χ^2/NDF: 7412529.3/54

- sign 733.703+/-0.142 χ^2/NDF: 3575951.2/27

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

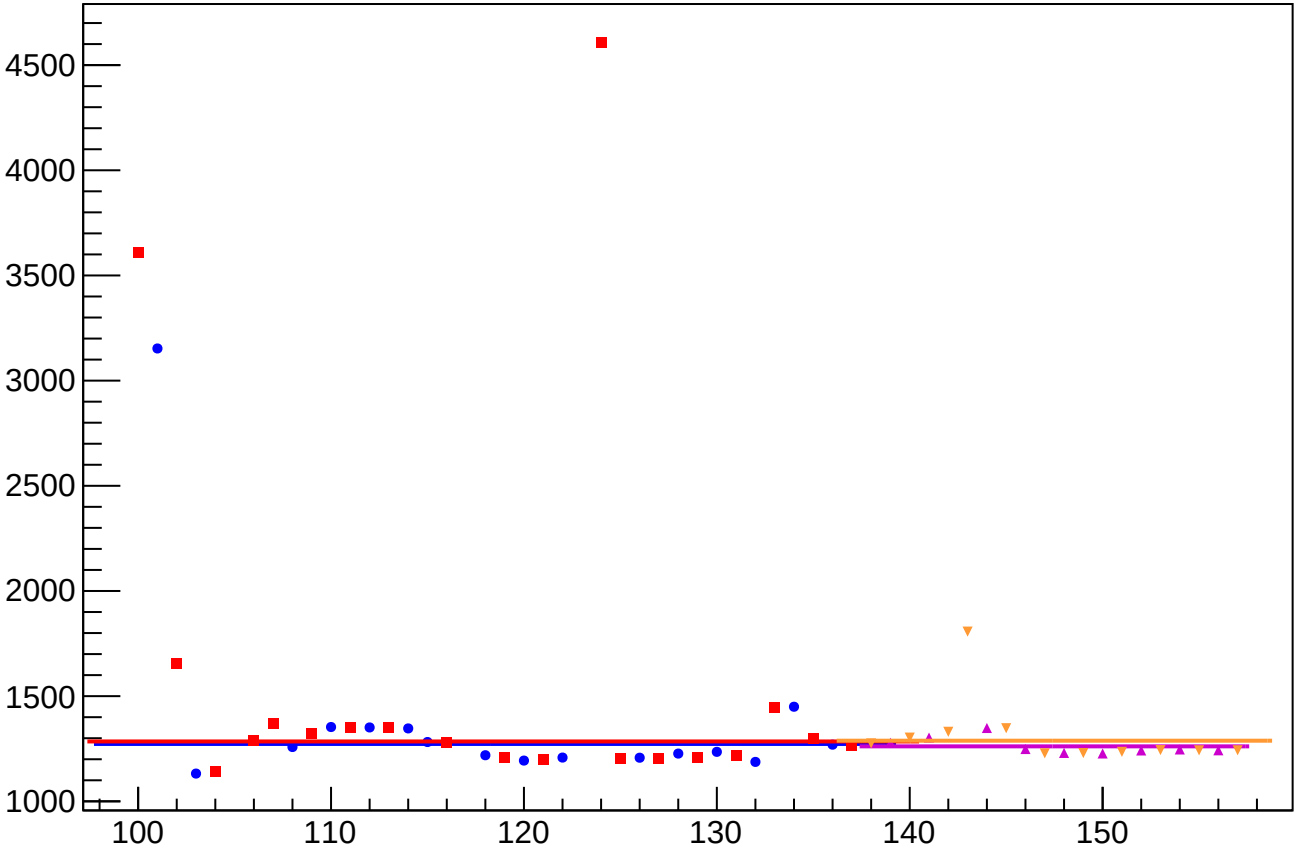
Left In: 454.378+/-450.602 χ^2/NDF:6.0/8

\+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 276.330+/-231.074 χ^2/NDF: 58.2/54

\- sign 451.592+/-328.952 χ^2/NDF: 22.8/27

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

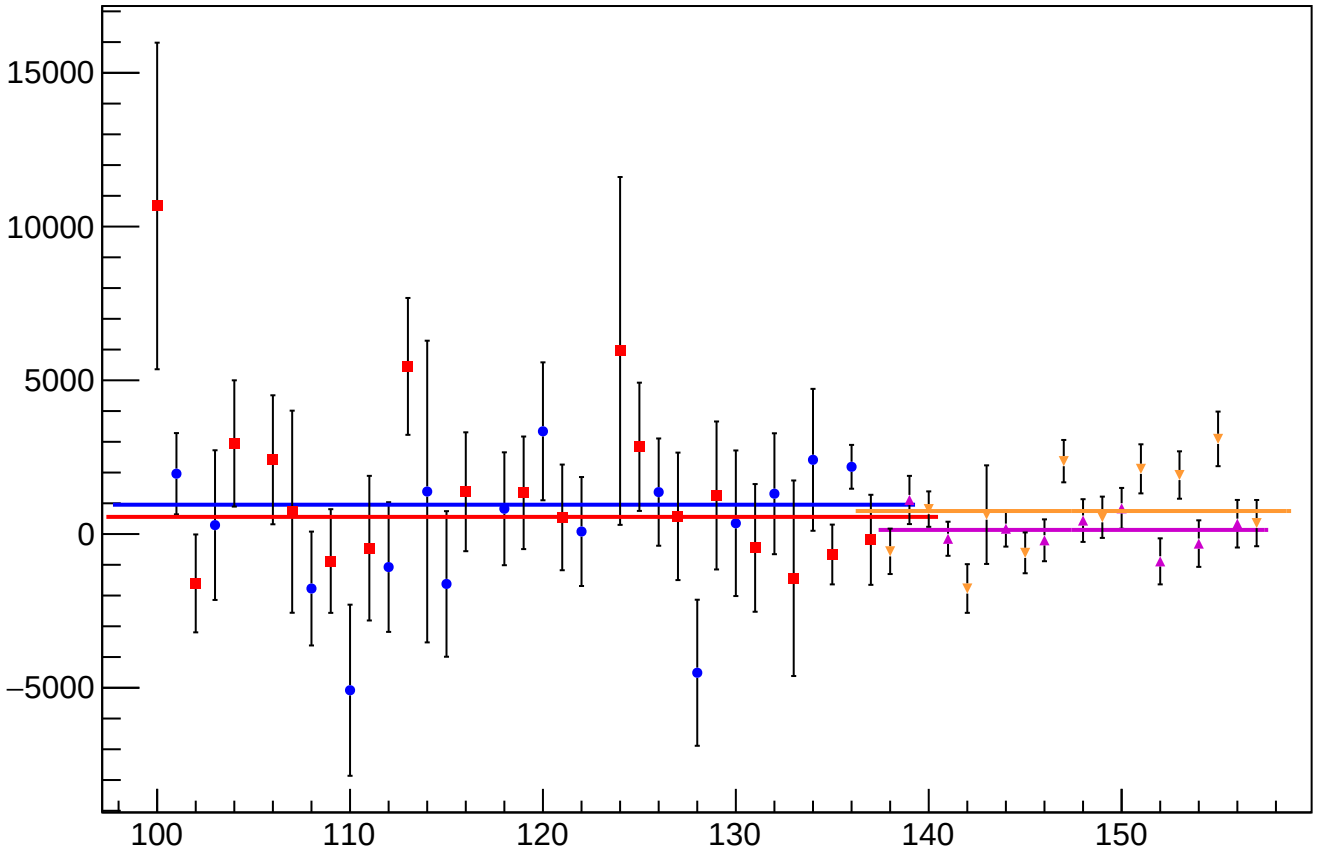
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.795+/-0.163 χ^2/NDF: 1022149.5/54

- sign 1272.228+/-0.233 χ^2/NDF: 344590.1/27



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

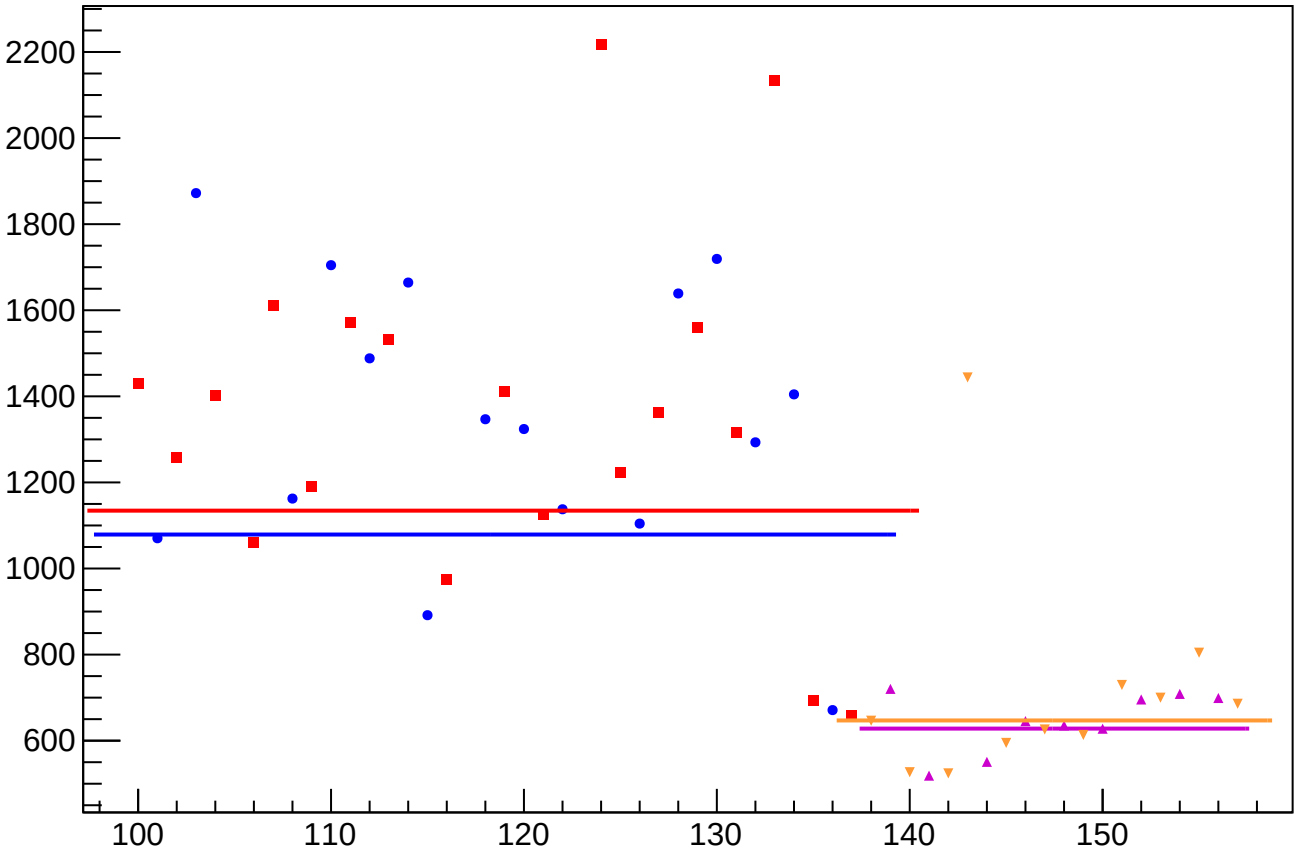
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 134.398+/-226.309 χ^2/NDF:5.7/8

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 511.409+/-141.556 χ^2/NDF: 84.5/54

\- sign 222.762+/-201.322 χ^2/NDF: 24.8/27



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

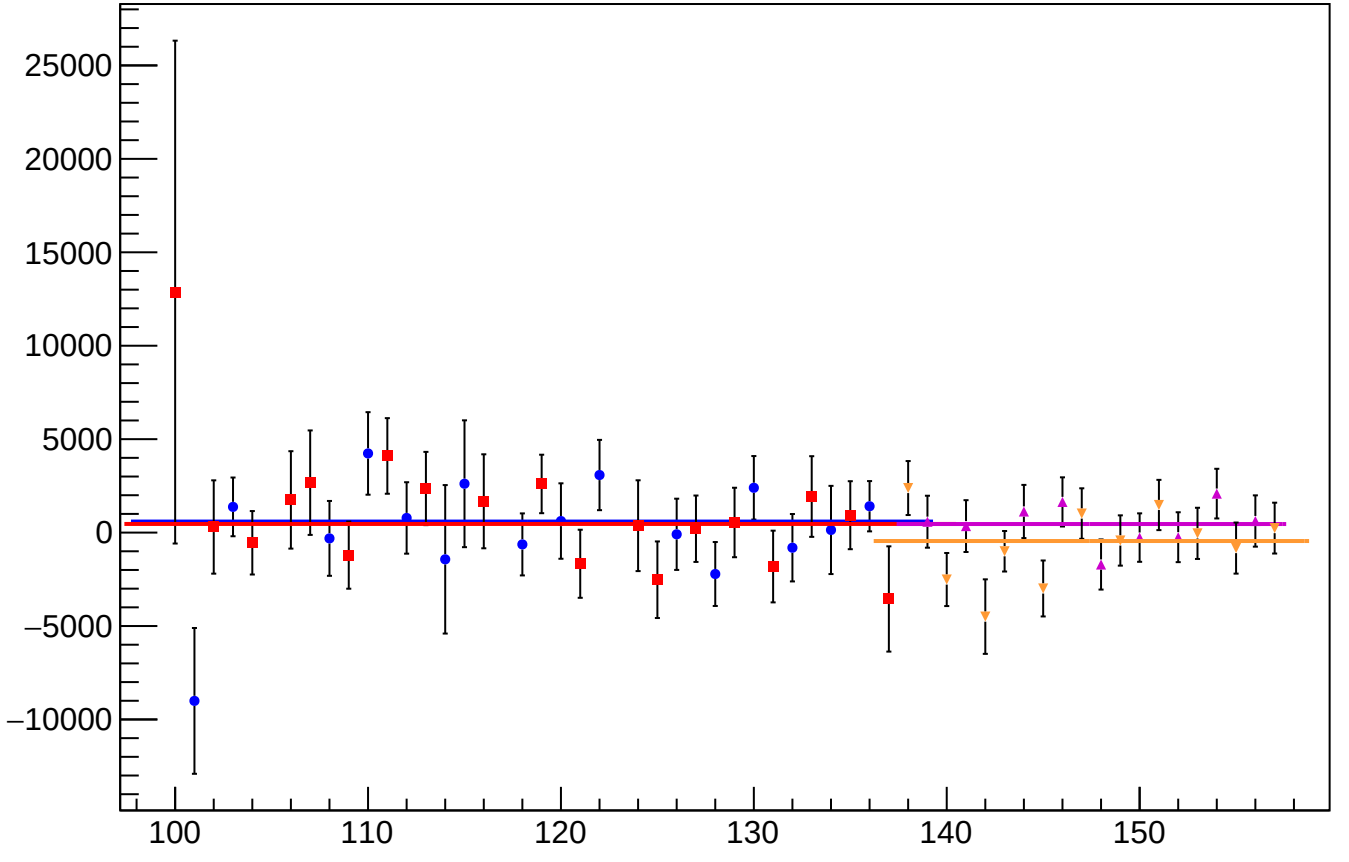
Left In: 628.058+/-0.160 χ^2/NDF:198027.0/8

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 737.633+/-0.100 χ^2/NDF: 7412529.3/54

- sign 733.703+/-0.142 χ^2/NDF: 3575951.2/27

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

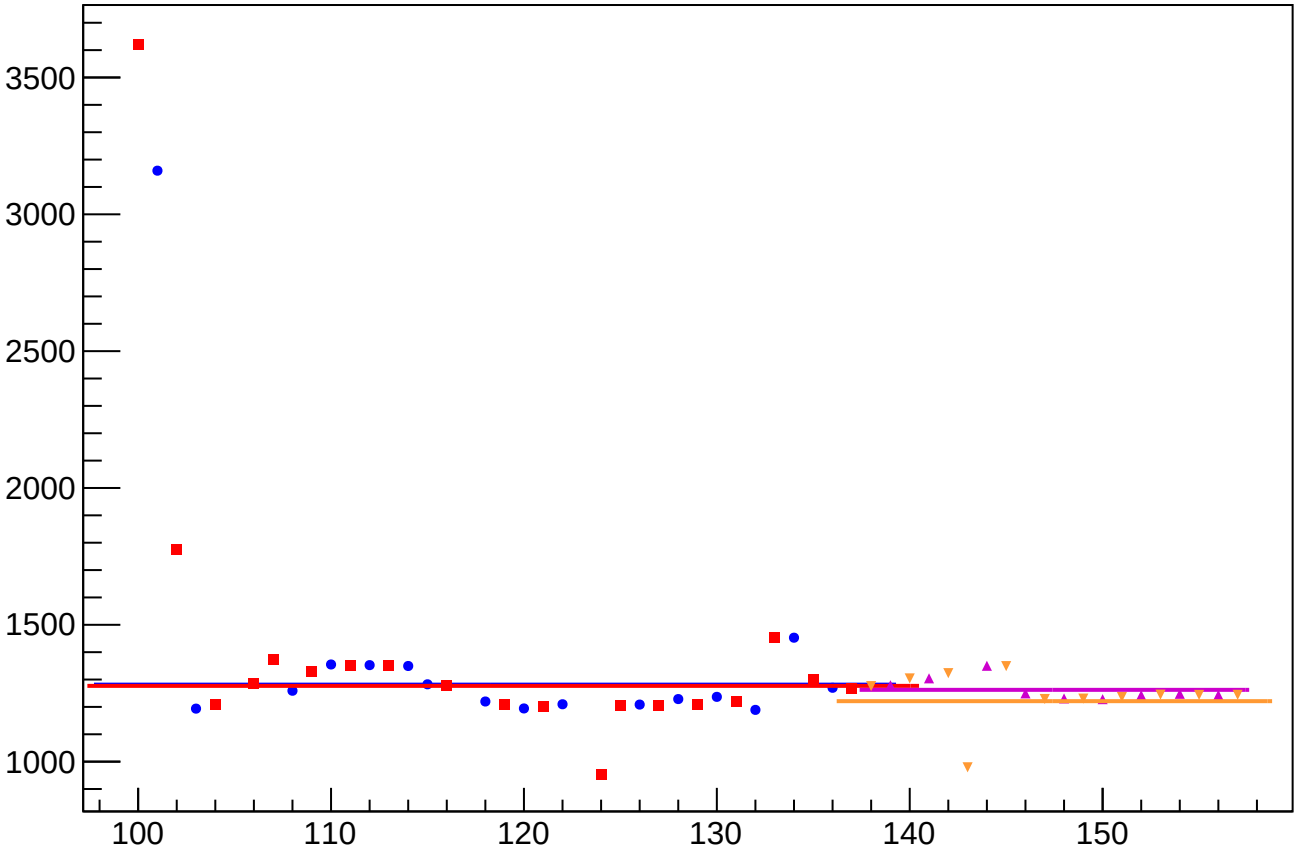
Left In: 458.421+/-450.966 χ^2/NDF:5.8/8

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 216.224+/-227.364 χ^2/NDF: 60.2/54

- sign 460.397+/-327.632 χ^2/NDF: 22.5/27

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

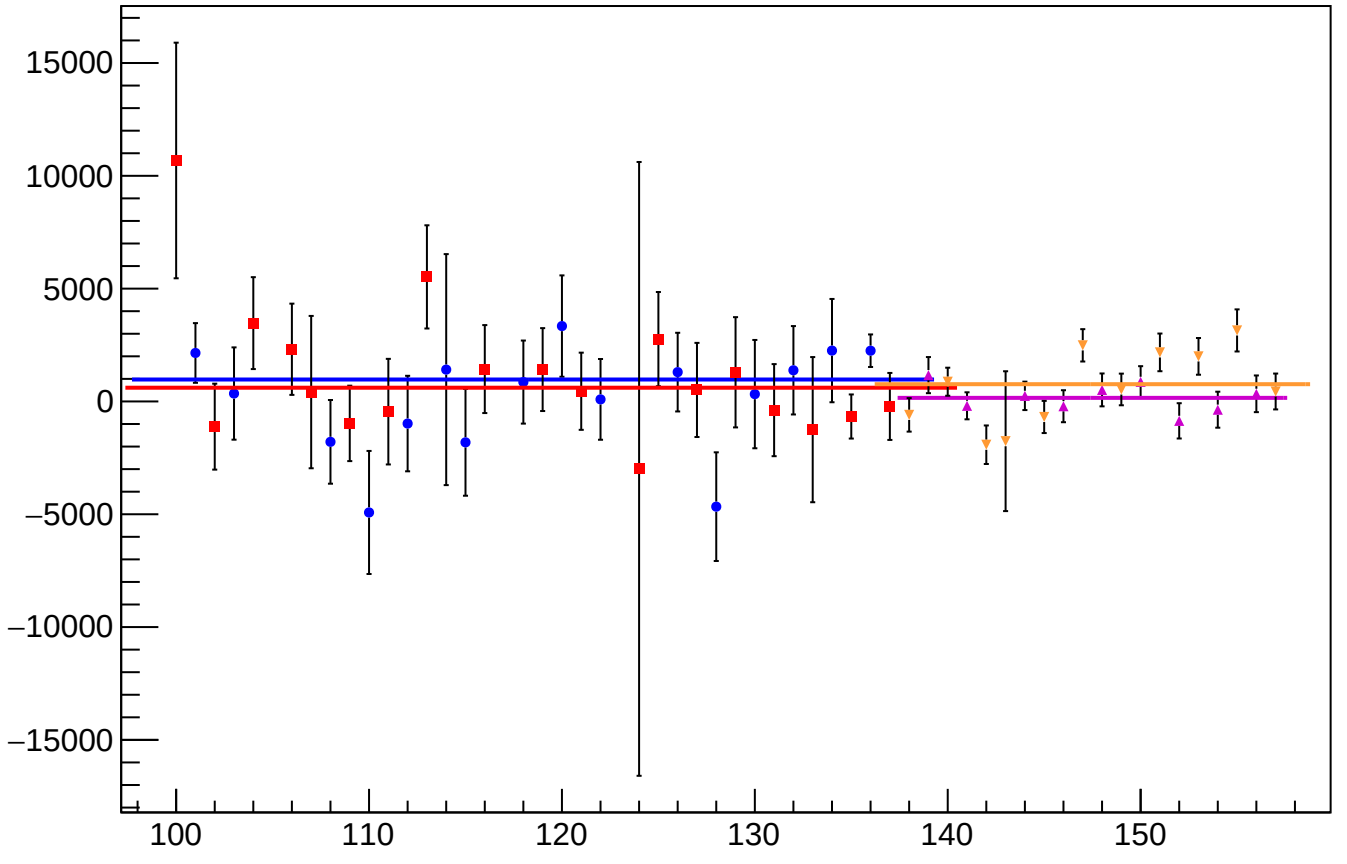
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1262.351+/-0.319 χ^2/NDF:13477.6/8

+ sign 1246.522+/-0.223 χ^2/NDF: 656193.0/26

All: 1257.444+/-0.161 χ^2/NDF: 896130.2/54

- sign 1269.202+/-0.232 χ^2/NDF: 234968.7/27



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

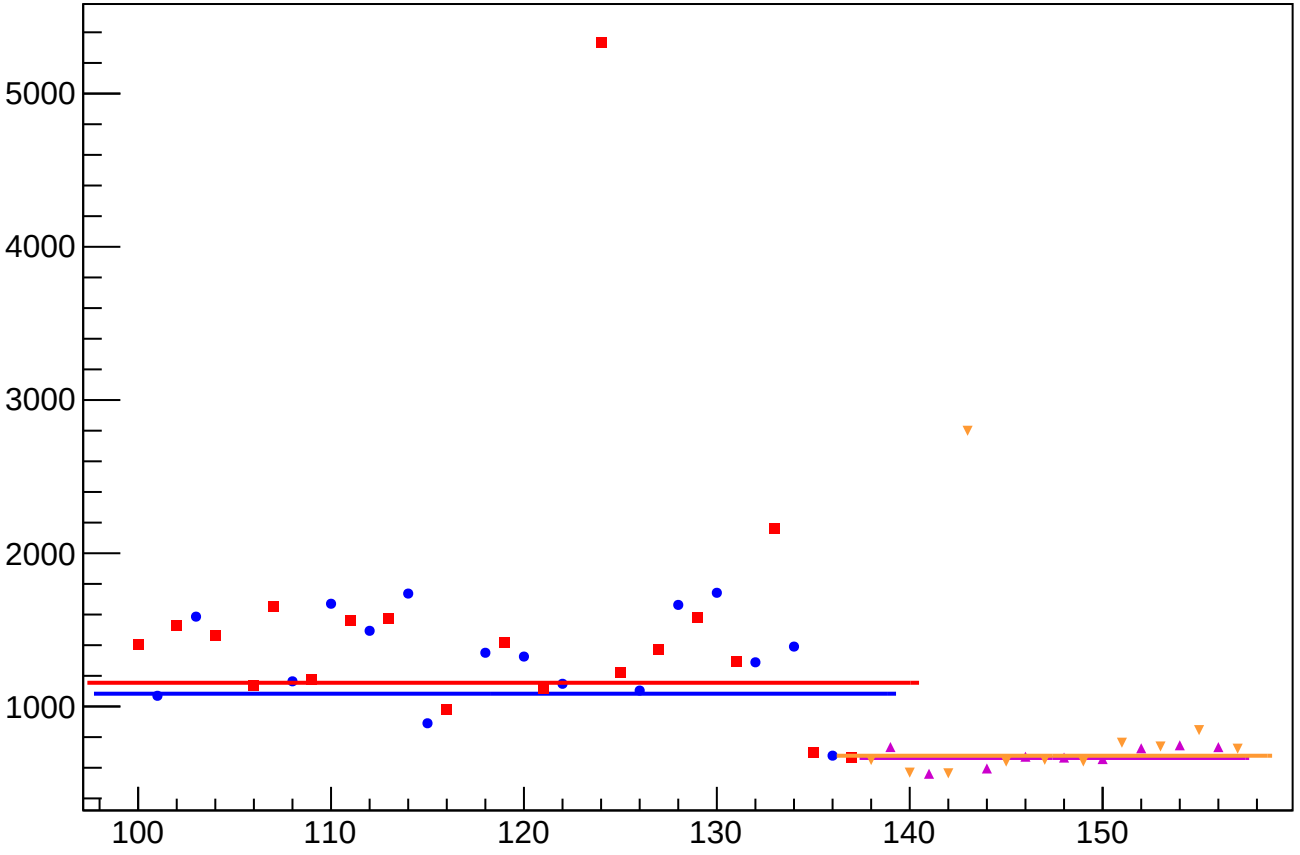
Left In: 158.613+/-238.783 χ^2/NDF:5.7/8

\+ sign 814.534+/-208.371 χ^2/NDF: 56.4/26

All: 539.459+/-148.155 χ^2/NDF: 83.5/54

\- sign 258.221+/-210.693 χ^2/NDF: 23.6/27

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

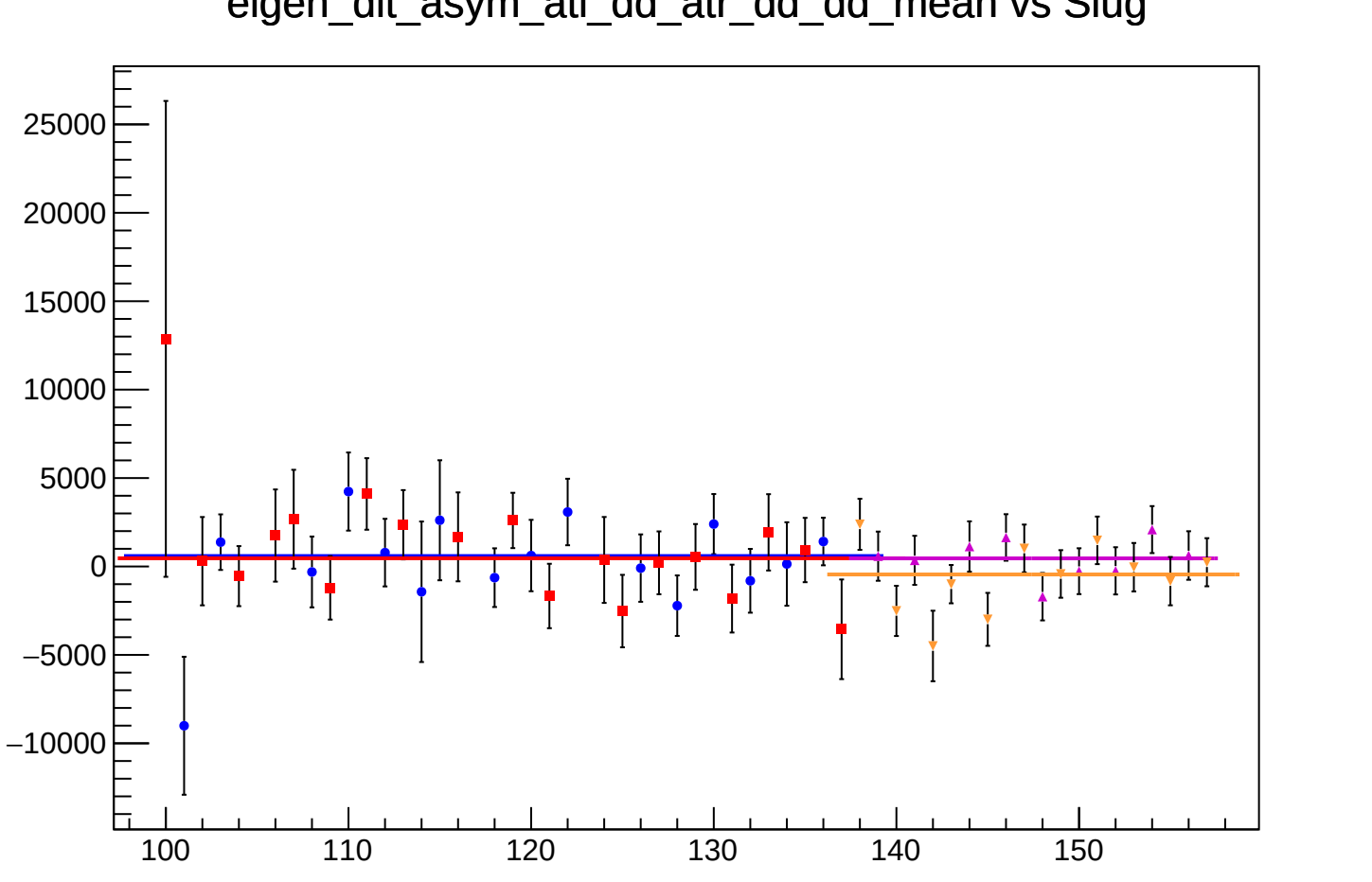
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 663.921+/-0.169 χ^2/NDF:148879.9/8

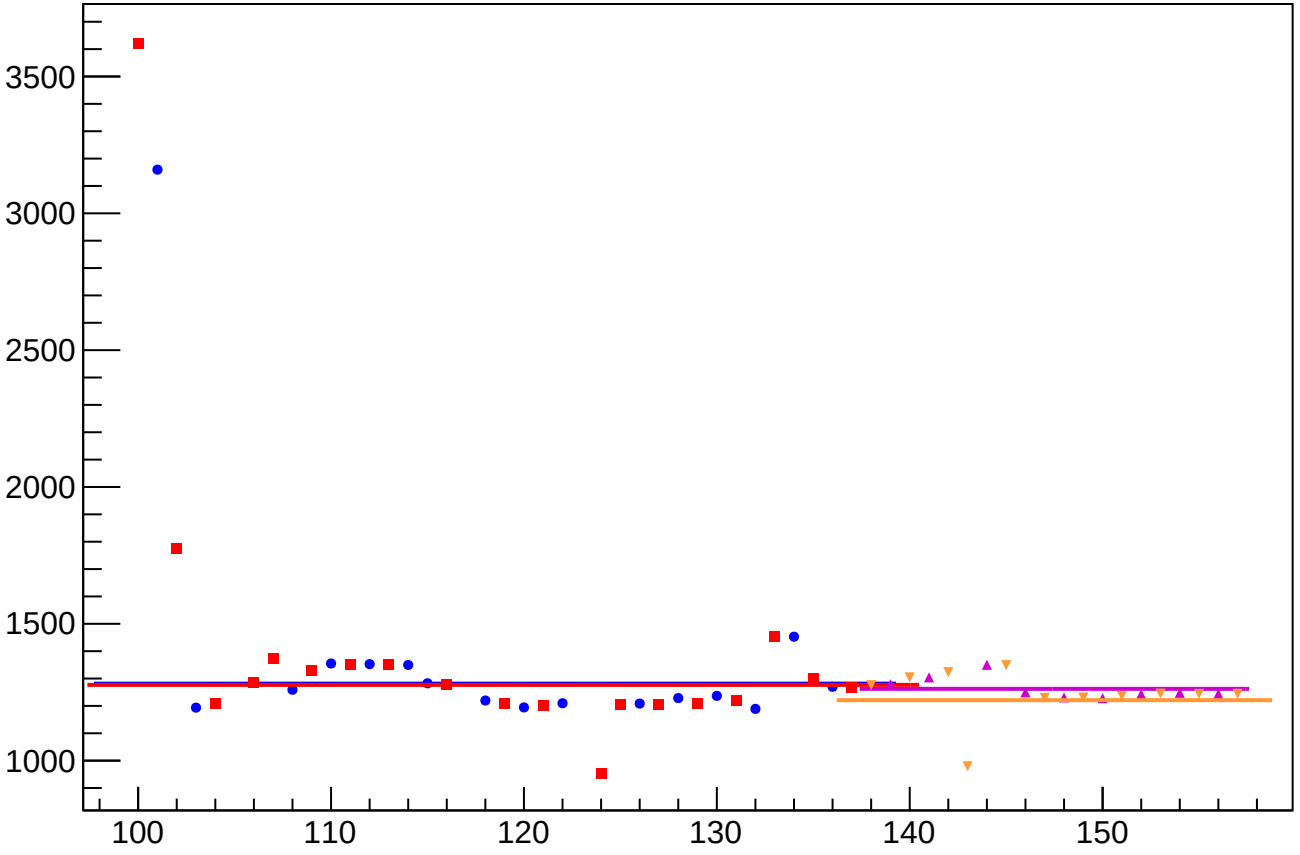
+ sign 775.719+/-0.147 χ^2/NDF: 3893149.7/26

All: 774.180+/-0.105 χ^2/NDF: 7401649.7/54

- sign 772.605+/-0.149 χ^2/NDF: 3508279.2/27


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -451.273+/-415.740 χ²/NDF:16.9/10
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 458.424+/-450.966 χ²/NDF:5.8/8
+ sign -10.600+/-315.778 χ²/NDF: 36.6/26
All: 216.224+/-227.364 χ²/NDF: 60.2/54
- sign 460.398+/-327.632 χ²/NDF: 22.5/27

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

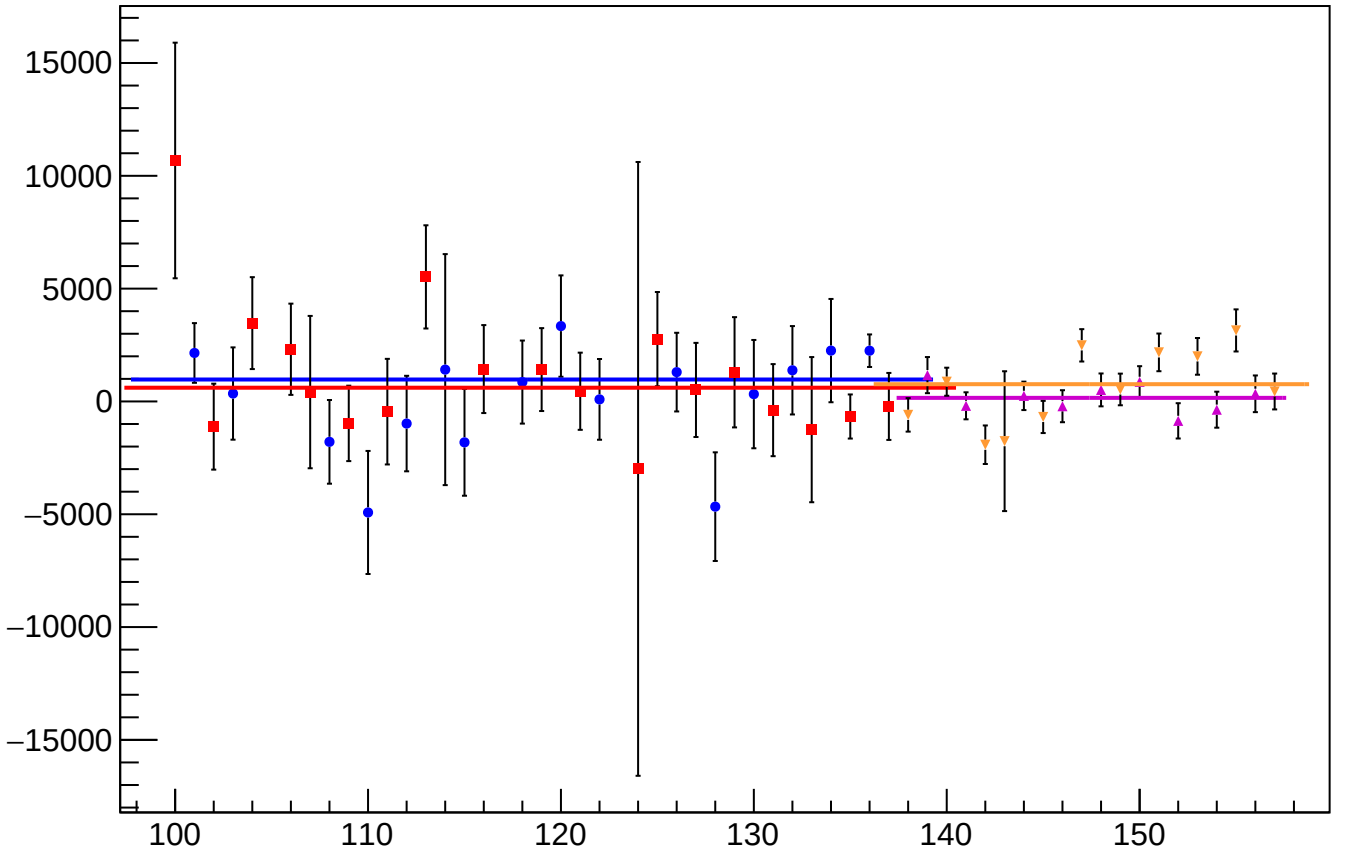
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1262.351+/-0.319 χ^2/NDF:13477.6/8

+ sign 1246.522+/-0.223 χ^2/NDF: 656192.3/26

All: 1257.444+/-0.161 χ^2/NDF: 896129.4/54

- sign 1269.202+/-0.232 χ^2/NDF: 234968.6/27



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 764.685+/-239.040 χ^2/NDF:35.8/10

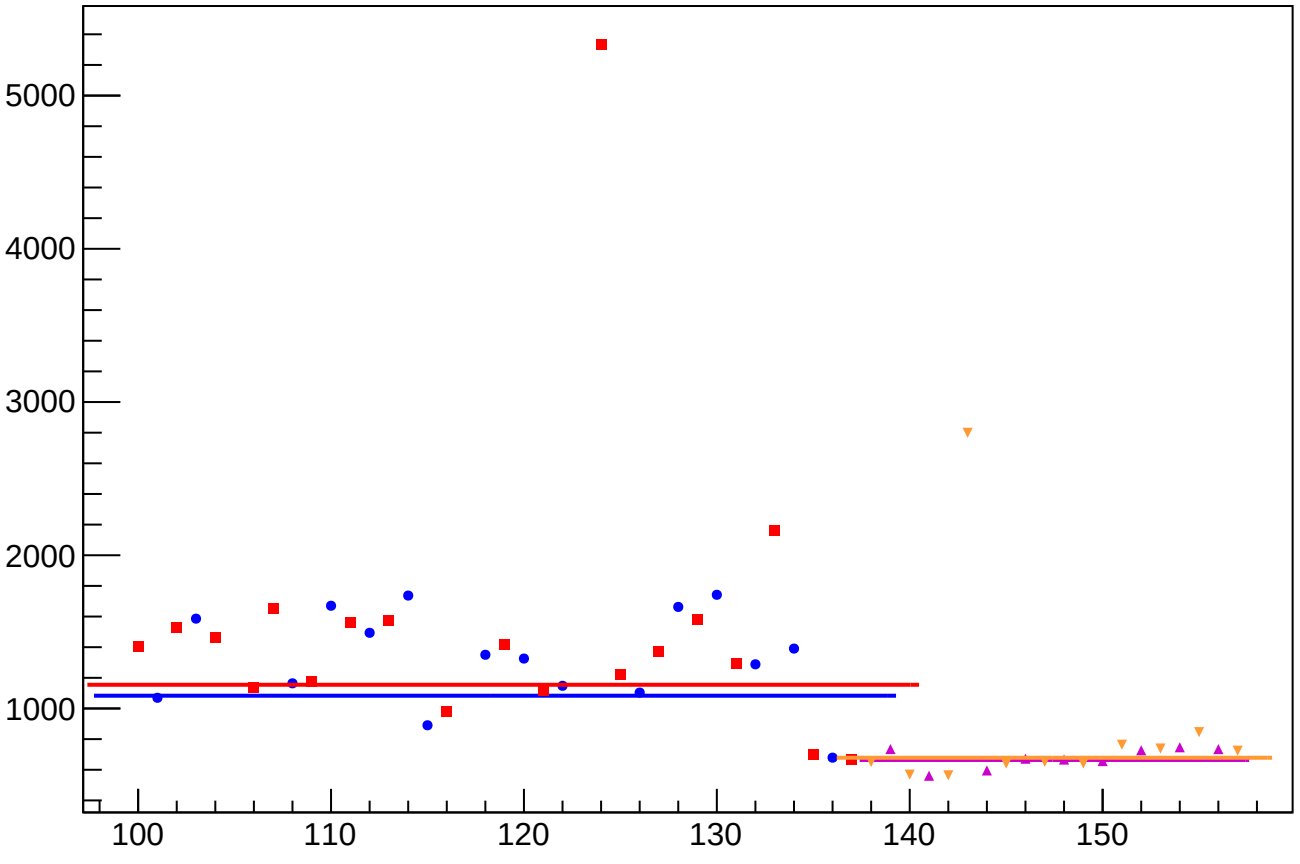
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 158.613+/-238.783 χ^2/NDF:5.7/8

\+ sign 814.536+/-208.372 χ^2/NDF: 56.4/26

All: 539.461+/-148.155 χ^2/NDF: 83.5/54

\- sign 258.223+/-210.693 χ^2/NDF: 23.6/27



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

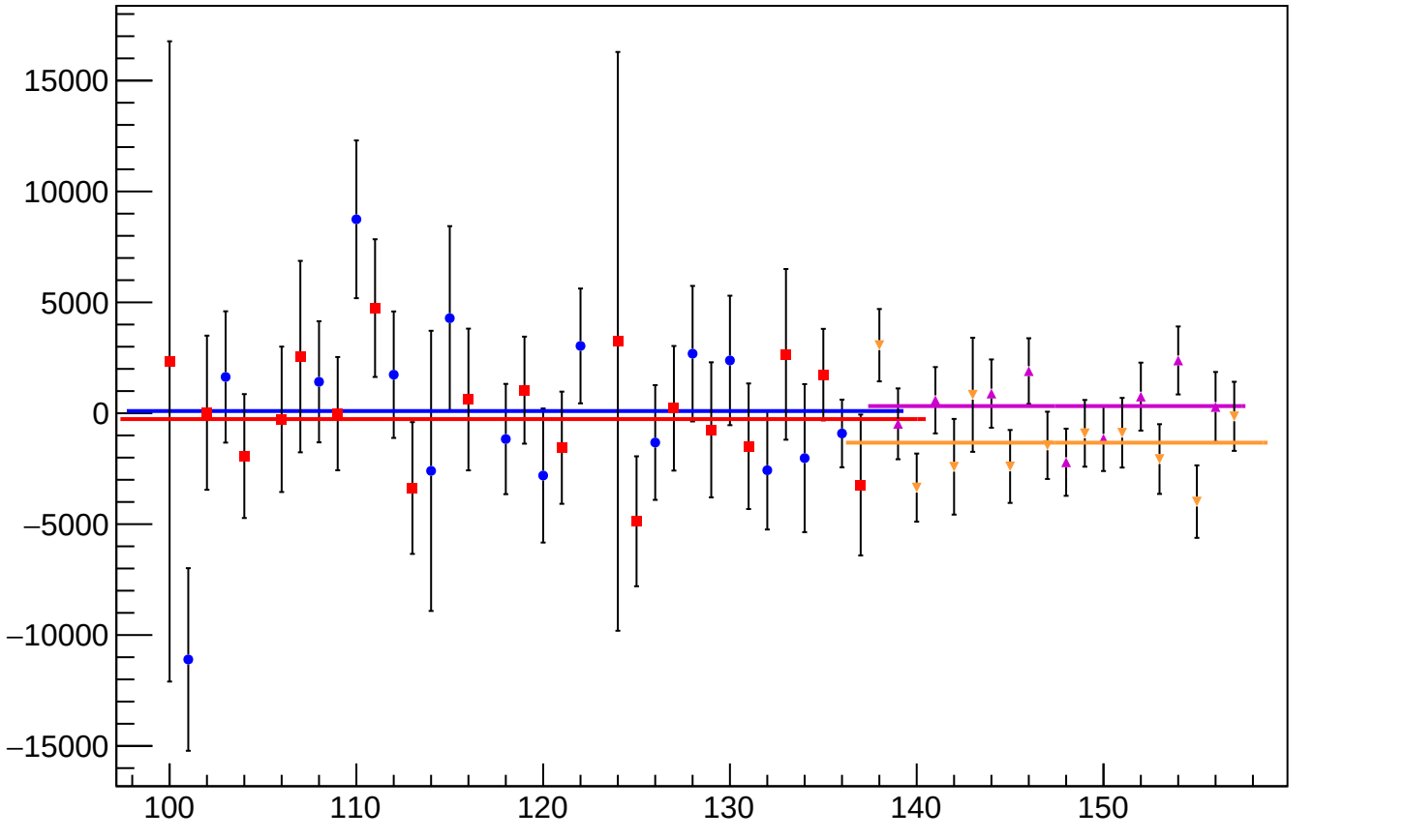
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 663.921+/-0.169 χ^2/NDF:148881.9/8

+ sign 775.722+/-0.147 χ^2/NDF: 3893109.7/26

All: 774.181+/-0.105 χ^2/NDF: 7401606.5/54

- sign 772.606+/-0.149 χ^2/NDF: 3508275.6/27



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1326.223+/-499.420 χ^2/NDF:14.0/10

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

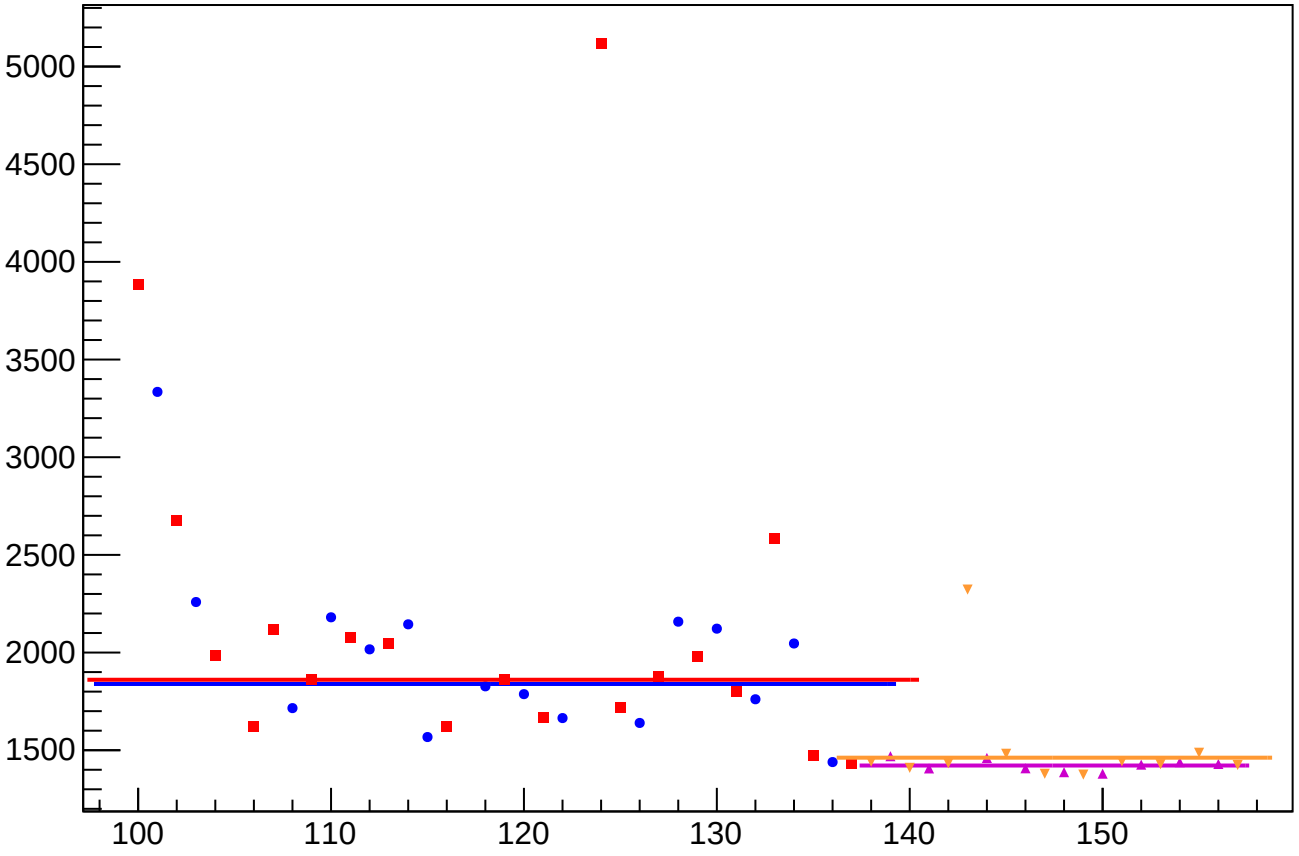
Left In: 323.941+/-507.833 χ^2/NDF:7.2/8

\+ sign -844.051+/-406.355 χ^2/NDF: 38.0/26

All: -366.743+/-288.964 χ^2/NDF: 58.9/54

\- sign 121.536+/-410.998 χ^2/NDF: 18.0/27

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1461.829+/-0.353 χ^2/NDF:242538.6/10

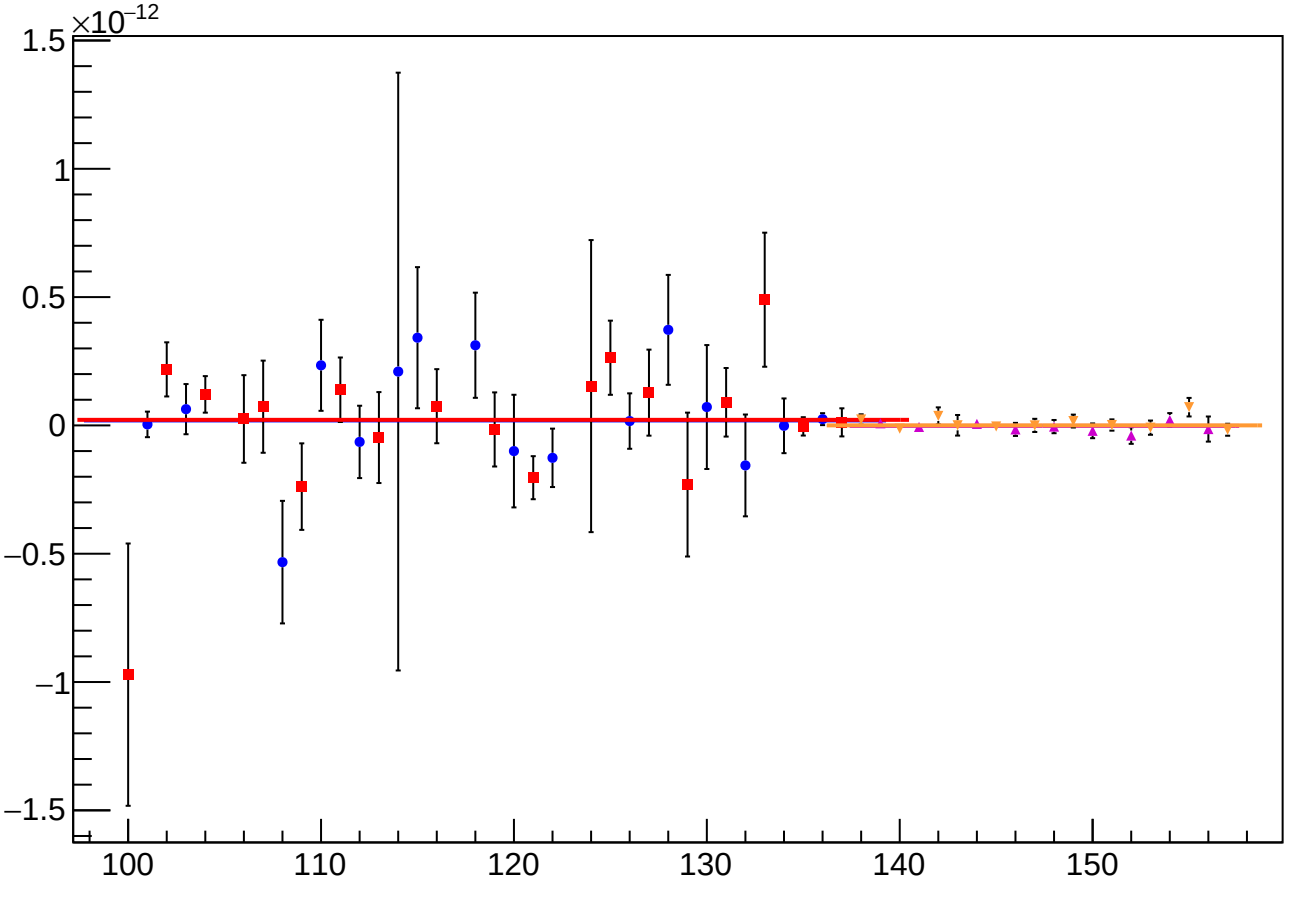
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1421.699+/-0.359 χ^2/NDF:6397.6/8

+ sign 1589.340+/-0.287 χ^2/NDF: 1185019.9/26

All: 1581.351+/-0.204 χ^2/NDF: 2230867.2/54

- sign 1573.178+/-0.291 χ^2/NDF: 1044283.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

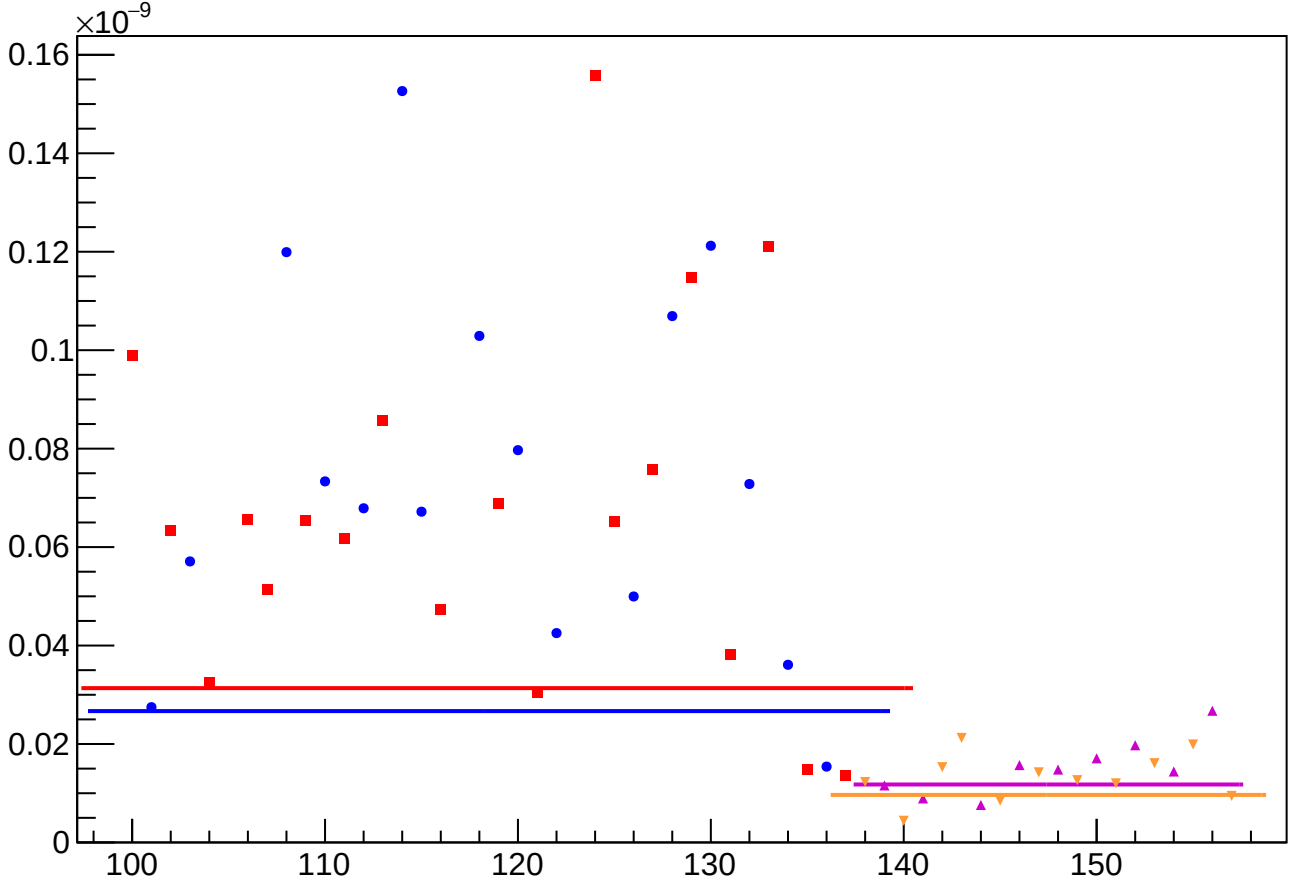
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/54

- sign 0.000+/-0.000 χ^2/NDF: 32.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

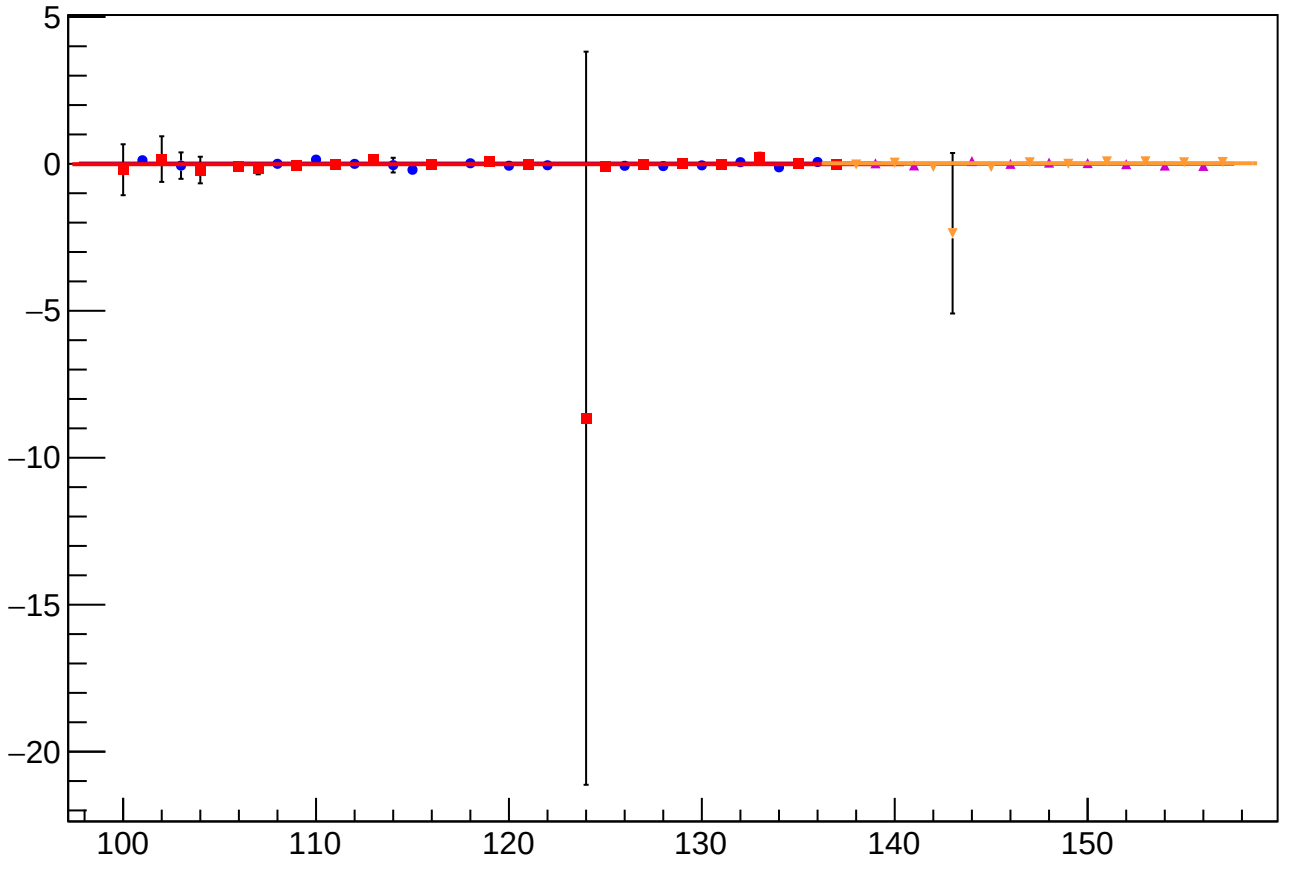
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:728153.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 5195975.0/26

All: 0.000+/-0.000 χ^2/NDF: 9725175.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4398947.8/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

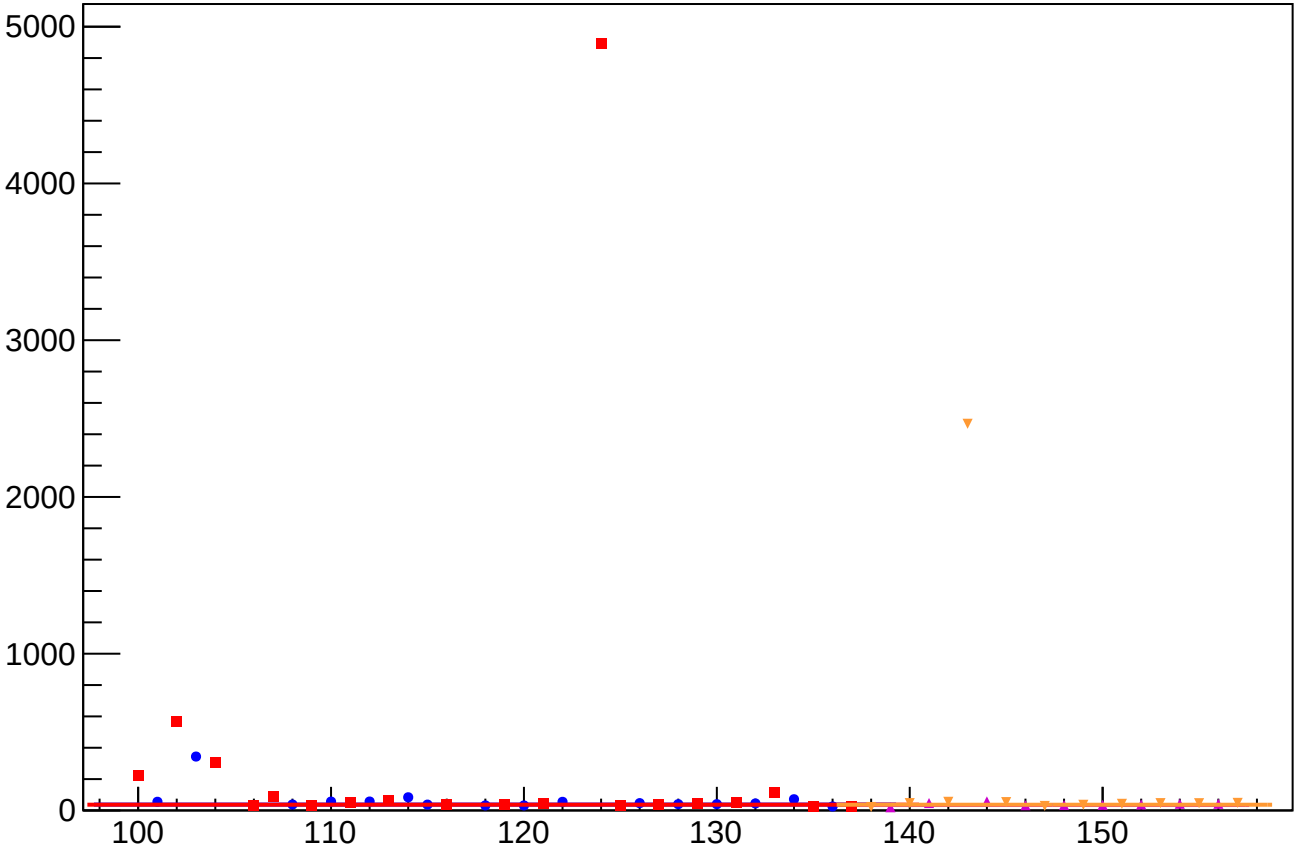
Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

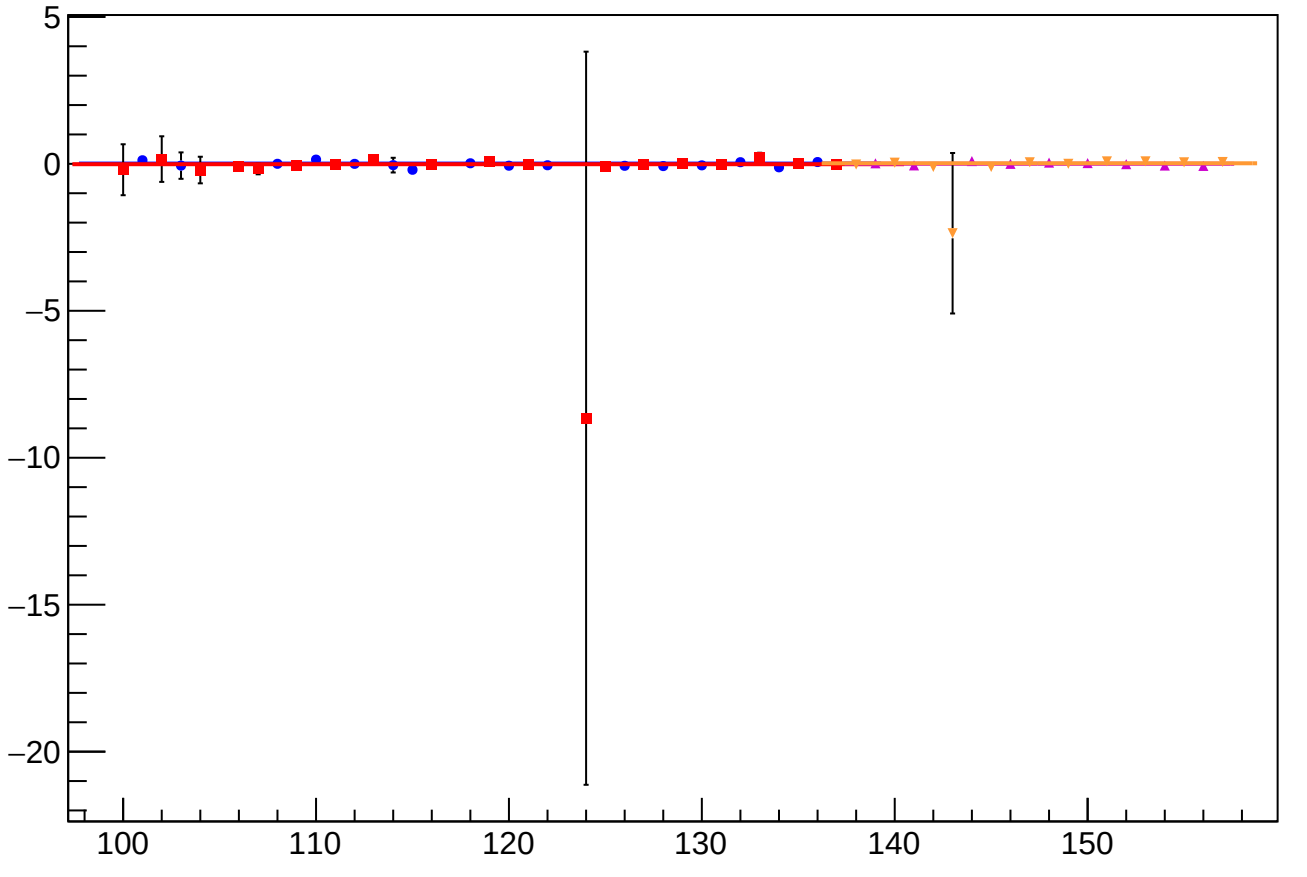
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.713+/-0.010 χ^2/NDF:1064226.5/8

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.238+/-0.005 χ^2/NDF: 9055983.7/54

- sign 35.551+/-0.008 χ^2/NDF: 4273011.9/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

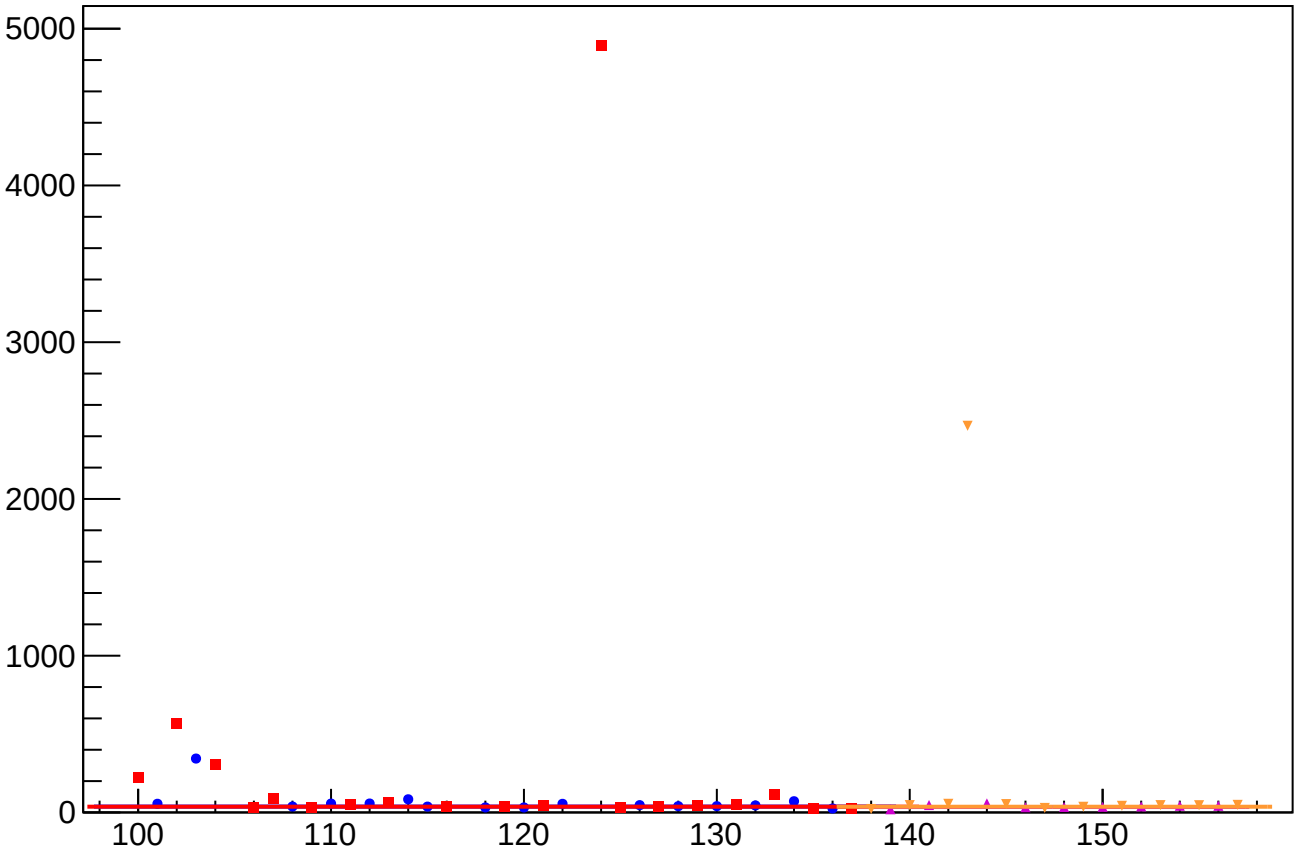
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

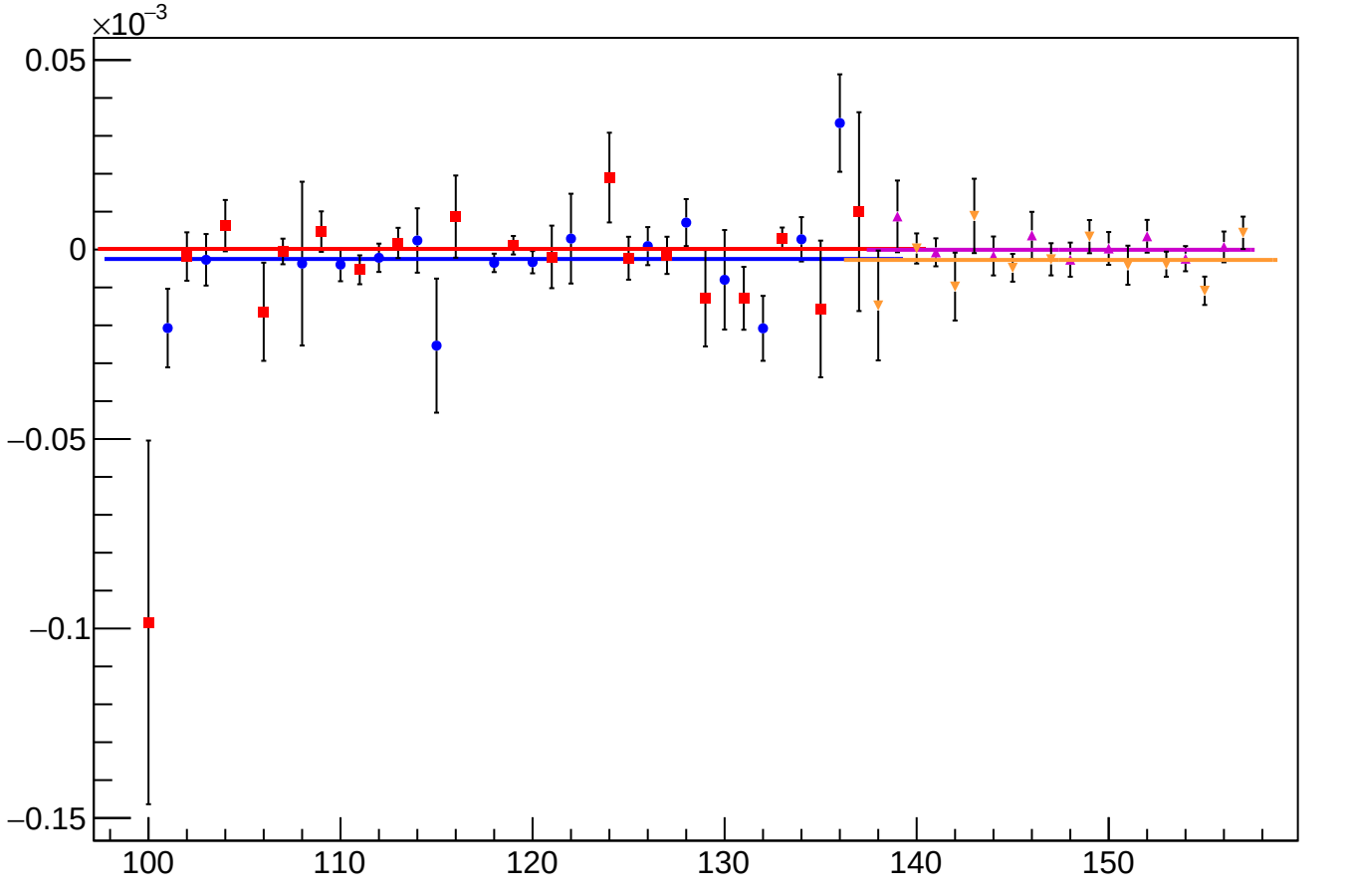
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.713+/-0.010 χ^2/NDF:1064226.5/8

\+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.238+/-0.005 χ^2/NDF: 9055983.7/54

\- sign 35.551+/-0.008 χ^2/NDF: 4273011.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

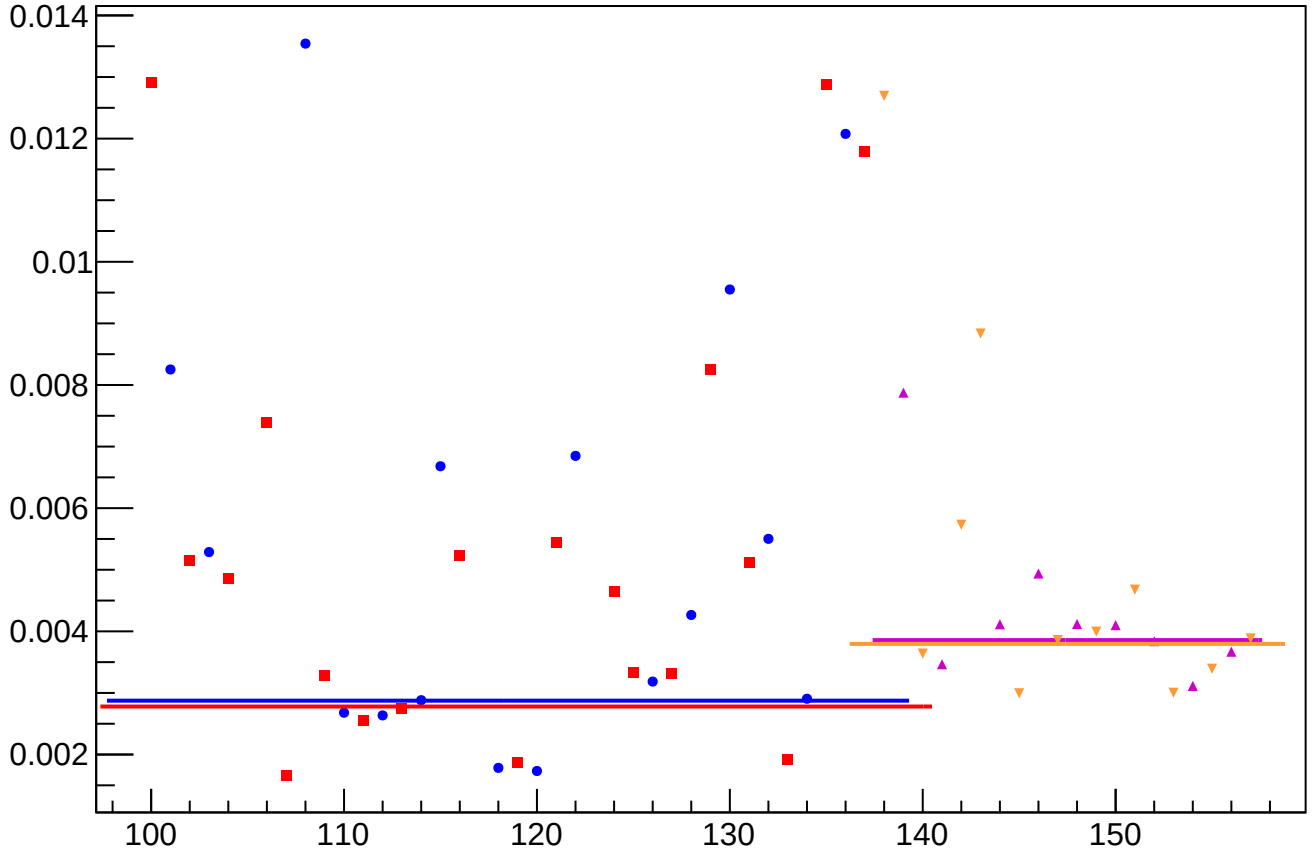
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 61.1/54

- sign 0.000+/-0.000 χ^2/NDF: 21.8/27



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

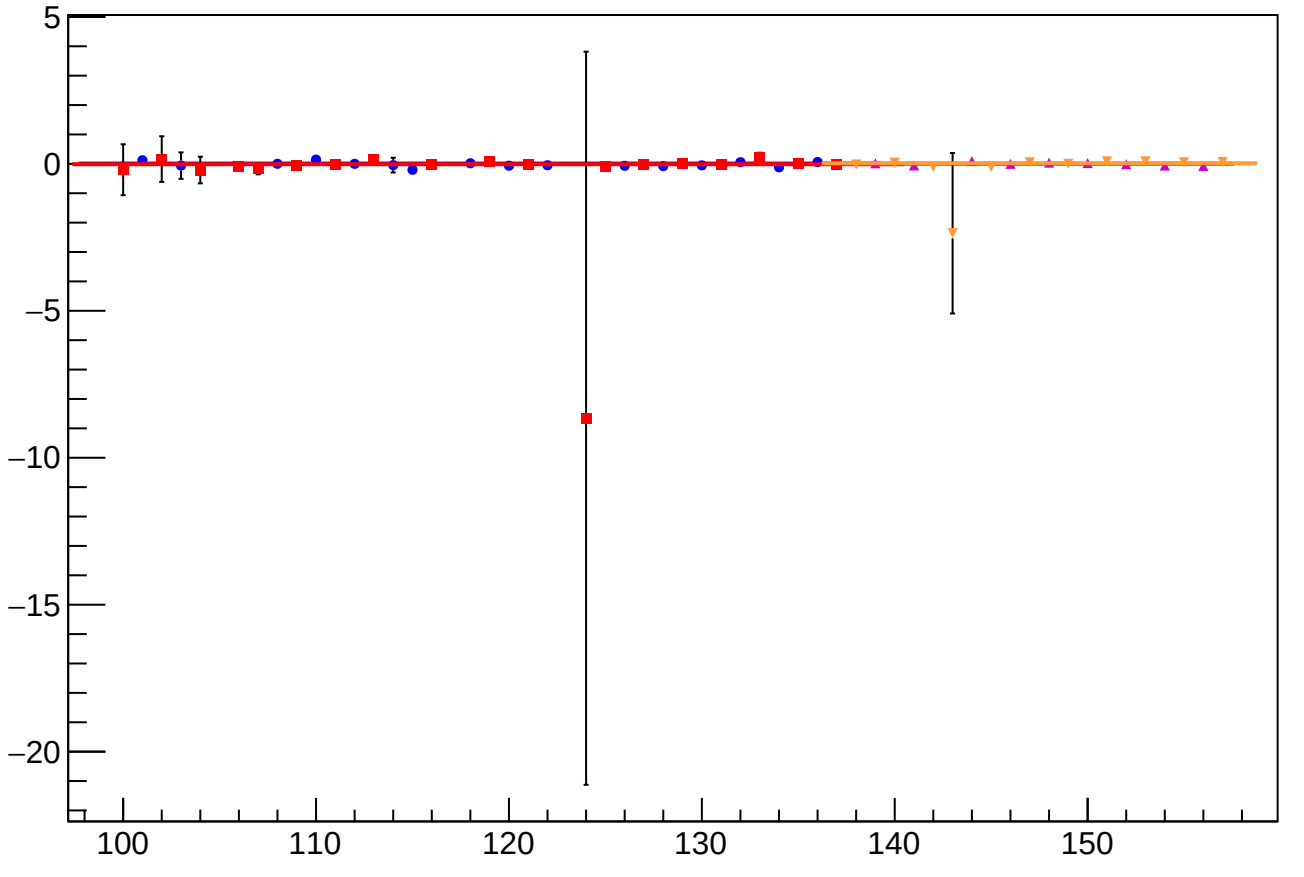
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:566939.8/8

+ sign 0.003+/-0.000 χ^2/NDF: 6300359.4/26

All: 0.003+/-0.000 χ^2/NDF: 10845388.9/54

- sign 0.003+/-0.000 χ^2/NDF: 4529666.4/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

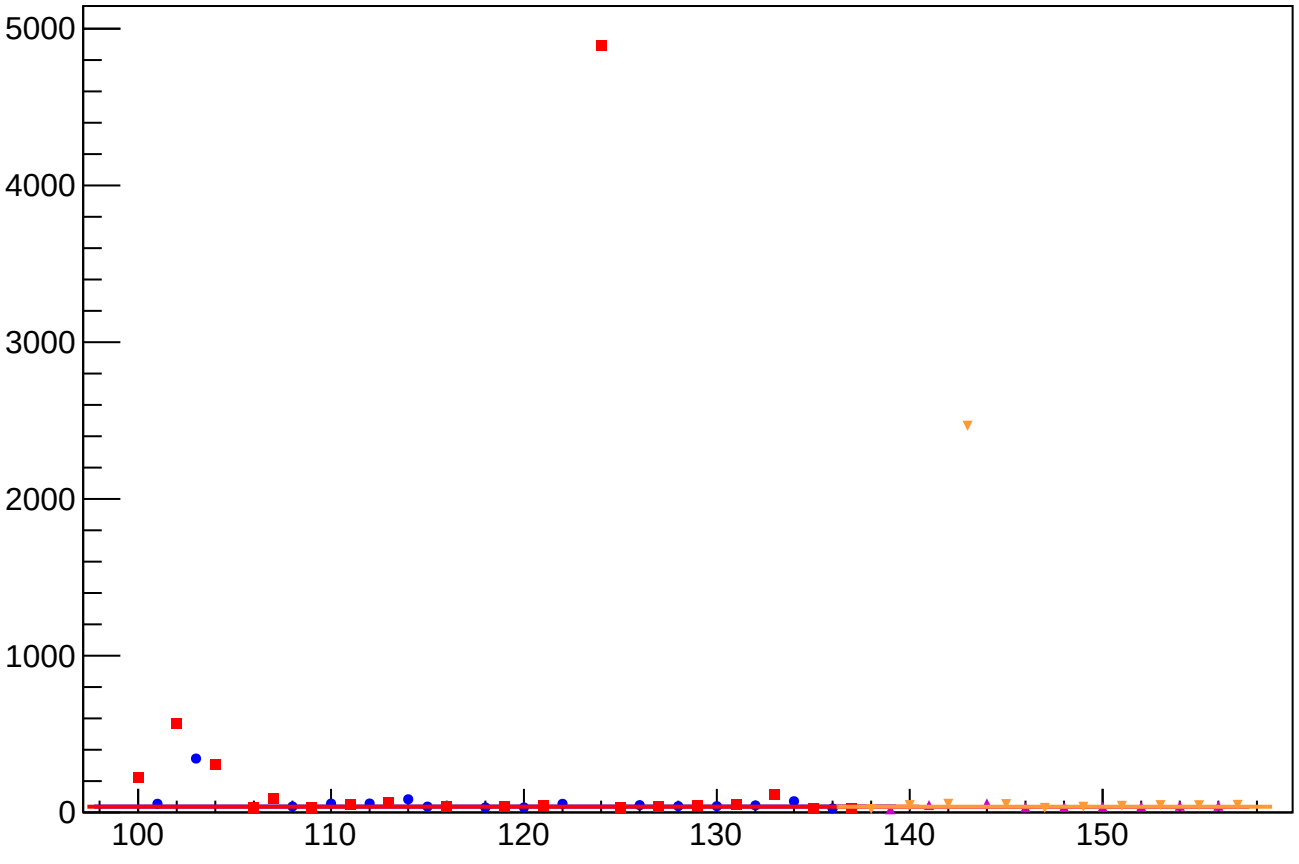
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

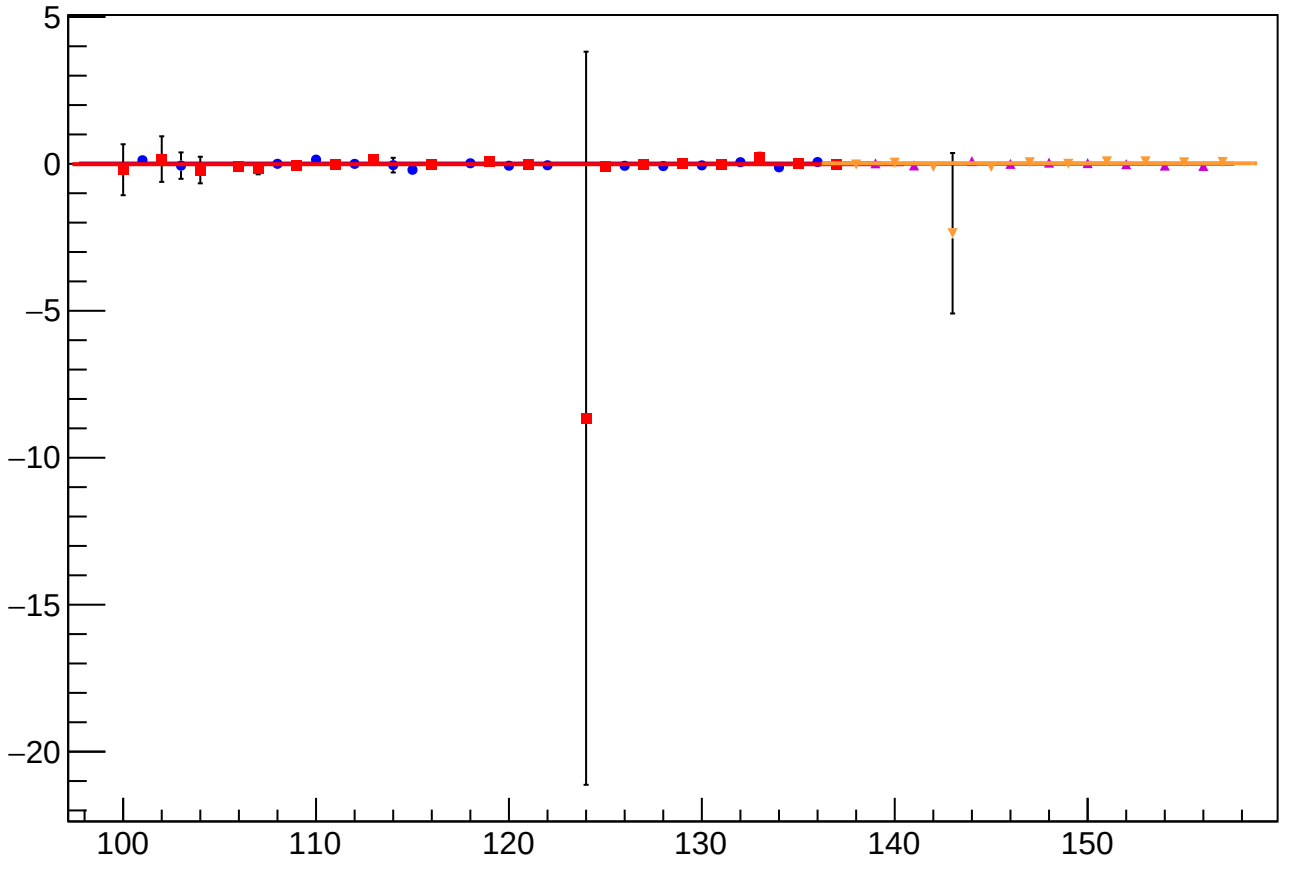
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.717+/-0.010 χ^2/NDF:1063285.1/8

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.239+/-0.005 χ^2/NDF: 9055092.6/54

- sign 35.554+/-0.008 χ^2/NDF: 4271737.4/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

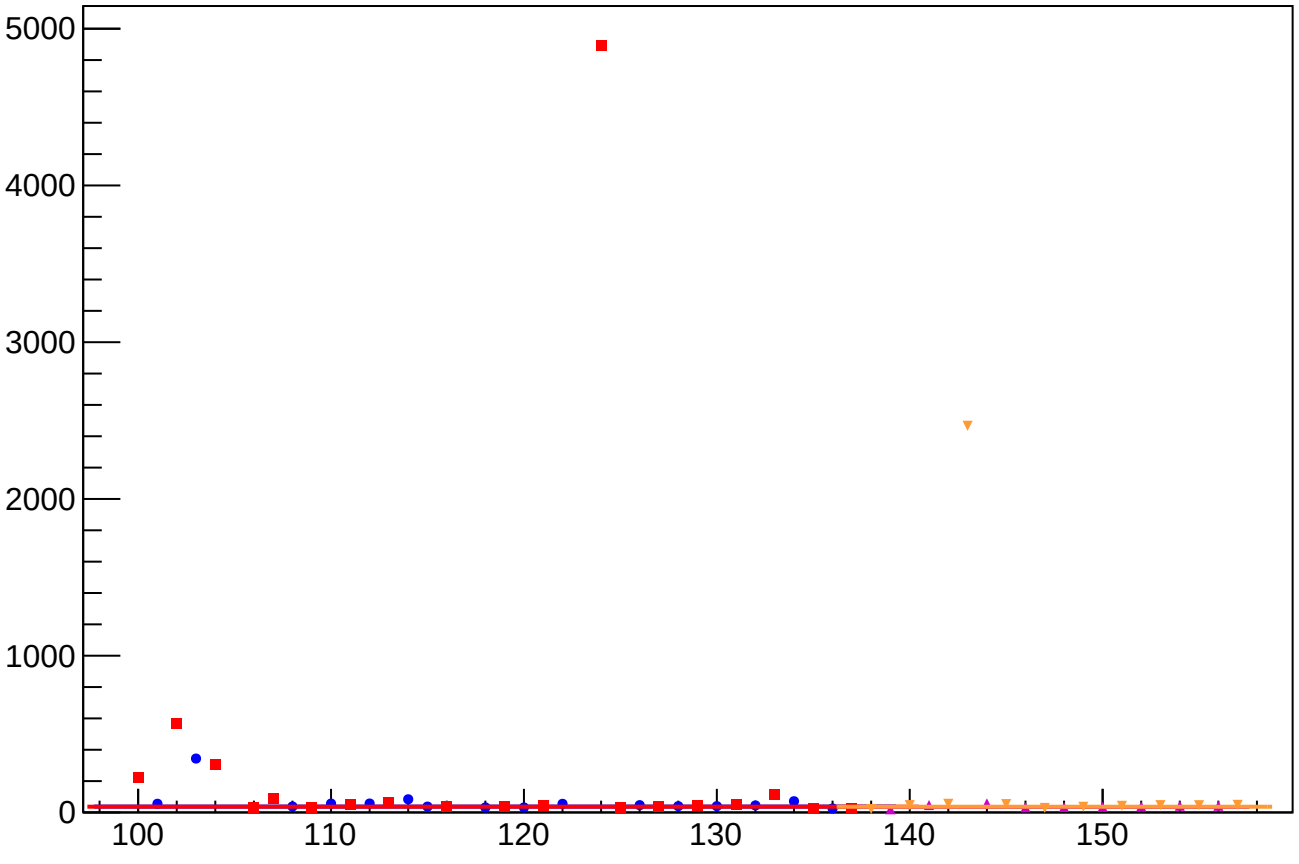
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

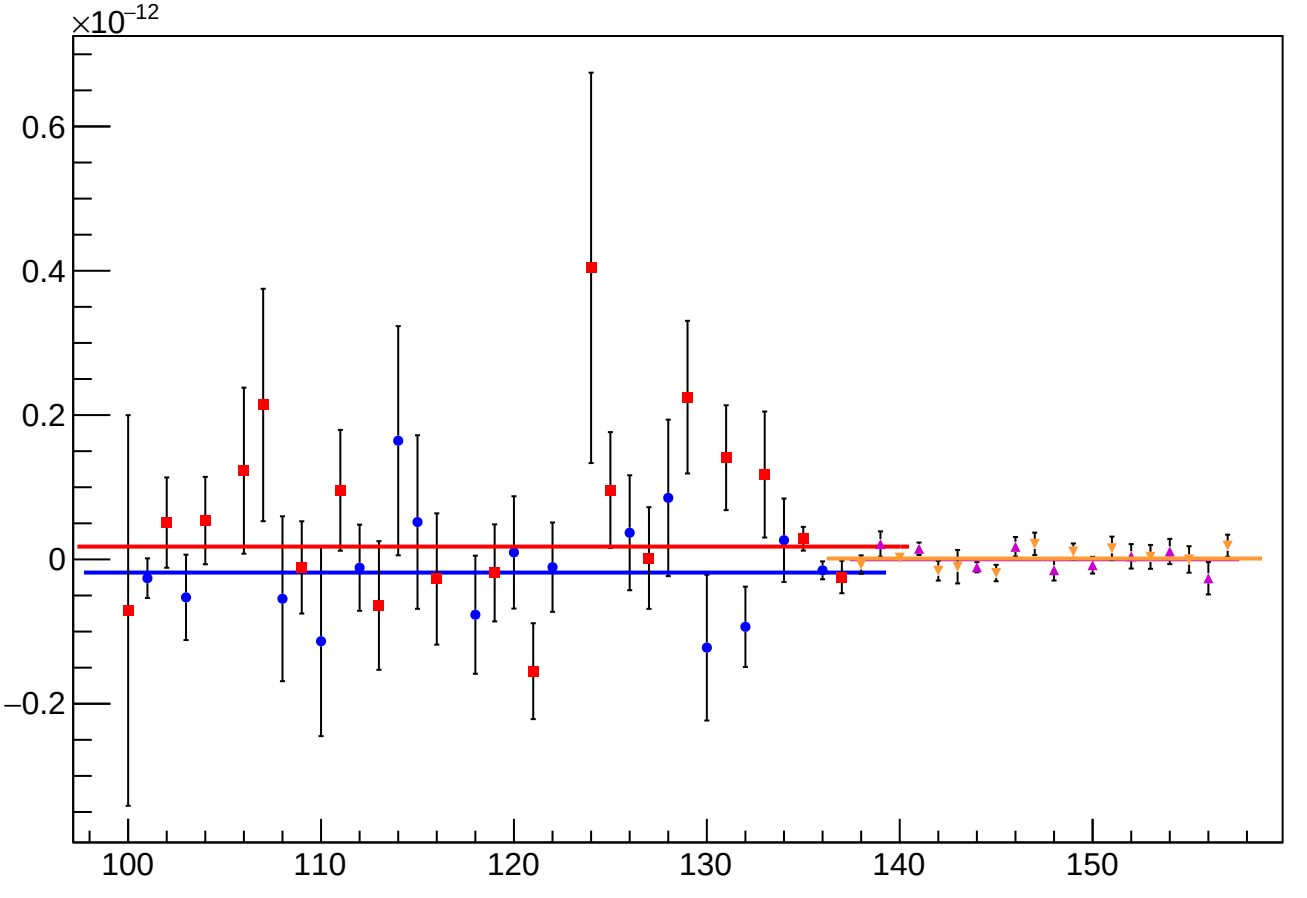
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.717+/-0.010 χ^2/NDF:1063285.1/8

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.239+/-0.005 χ^2/NDF: 9055092.6/54

- sign 35.554+/-0.008 χ^2/NDF: 4271737.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

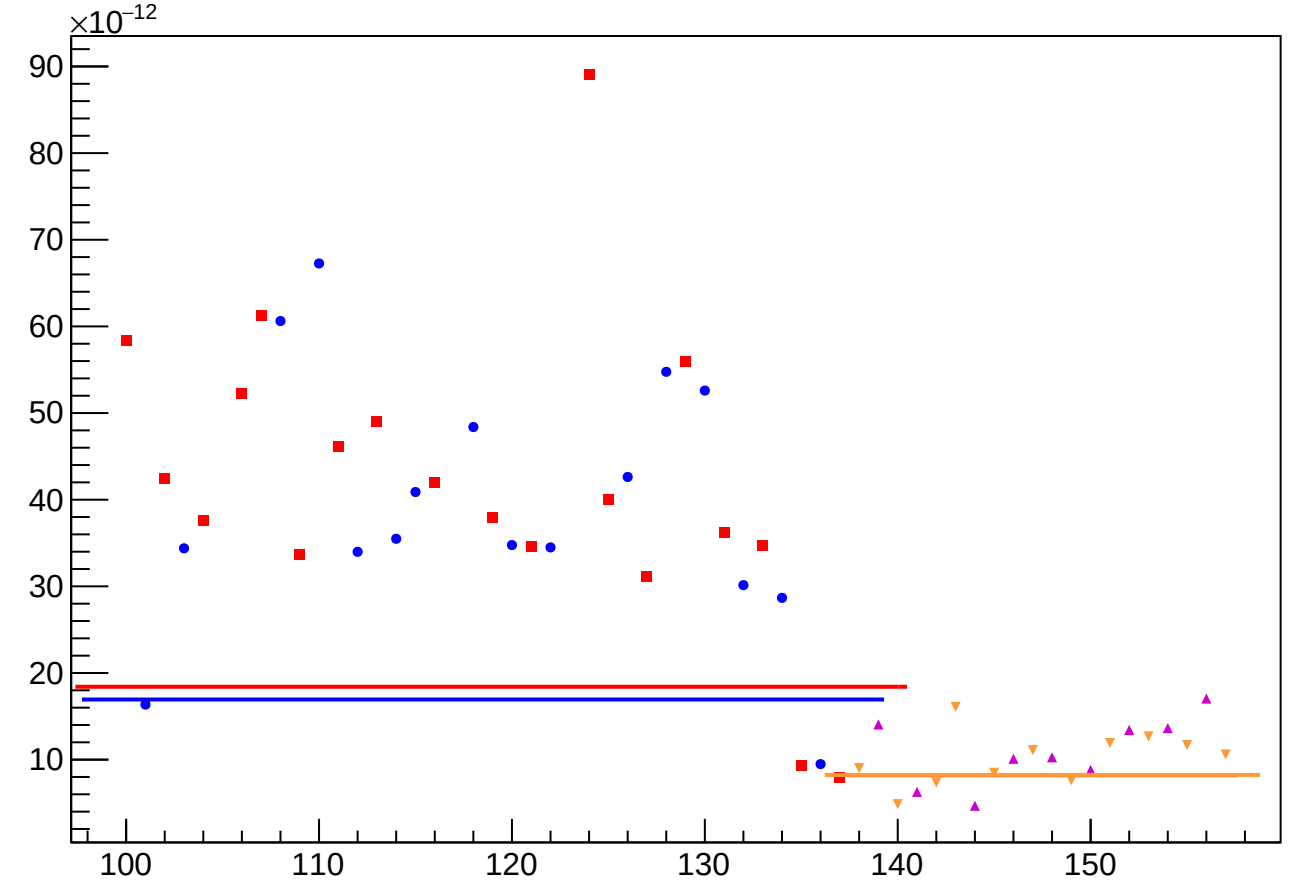
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.3/54

- sign 0.000+/-0.000 χ^2/NDF: 41.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1185871.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

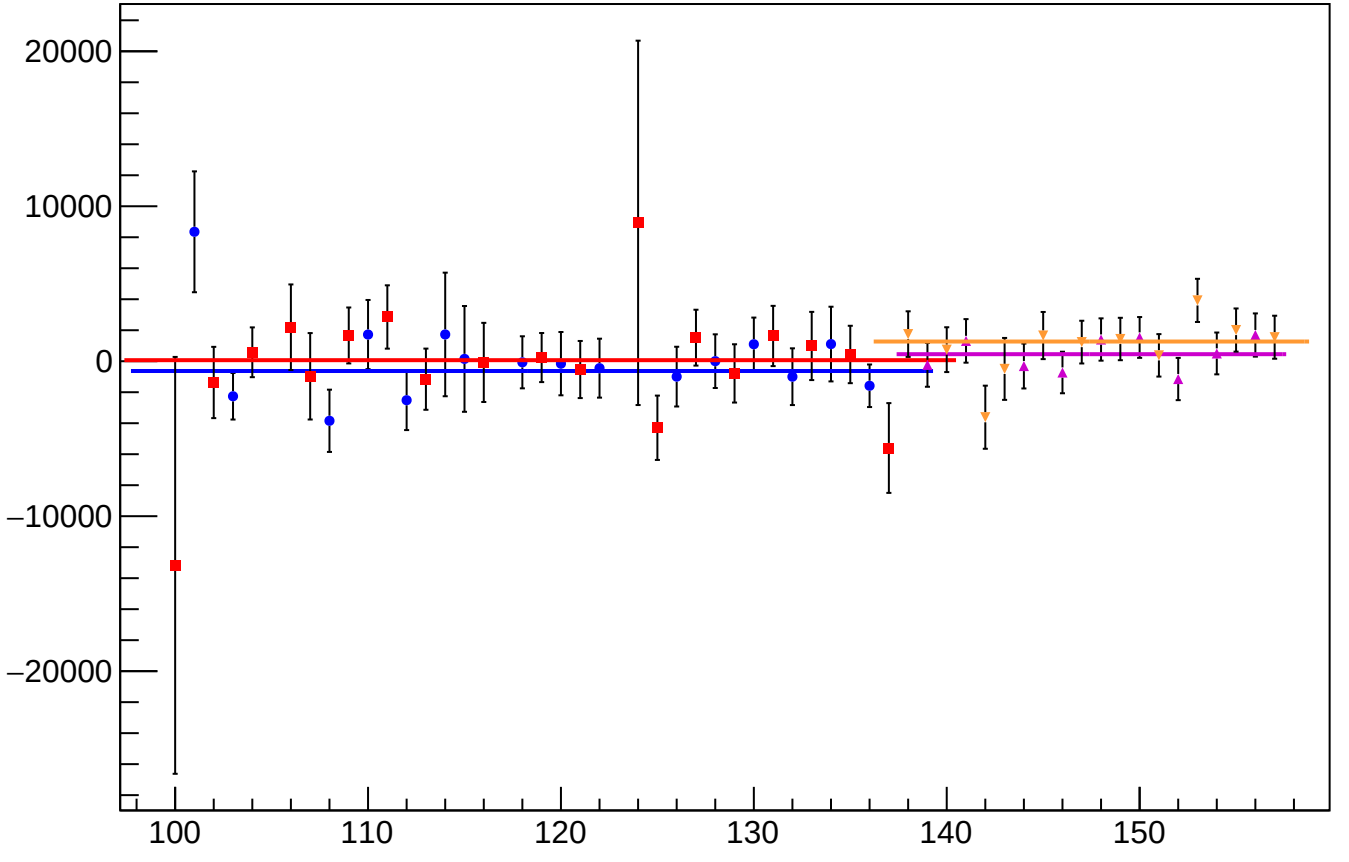
Left In: 0.000+/-0.000 χ^2/NDF:1605295.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 5738155.0/26

All: 0.000+/-0.000 χ^2/NDF: 12528758.9/54

- sign 0.000+/-0.000 χ^2/NDF: 6790548.1/27

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

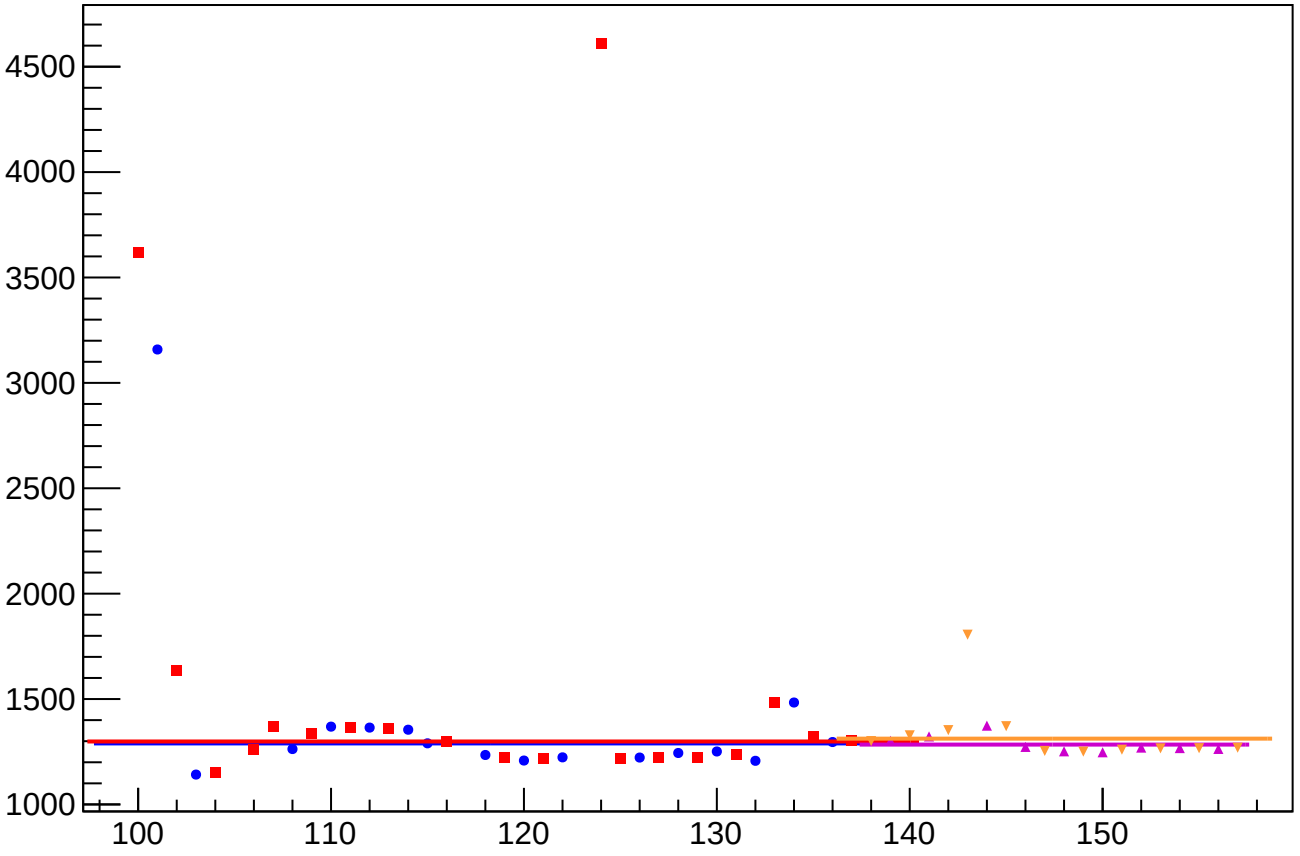
Left In: 454.527+/-458.666 χ^2/NDF:5.0/8

+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 339.866+/-234.717 χ^2/NDF: 54.7/54

- sign 272.967+/-334.138 χ^2/NDF: 21.2/27

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

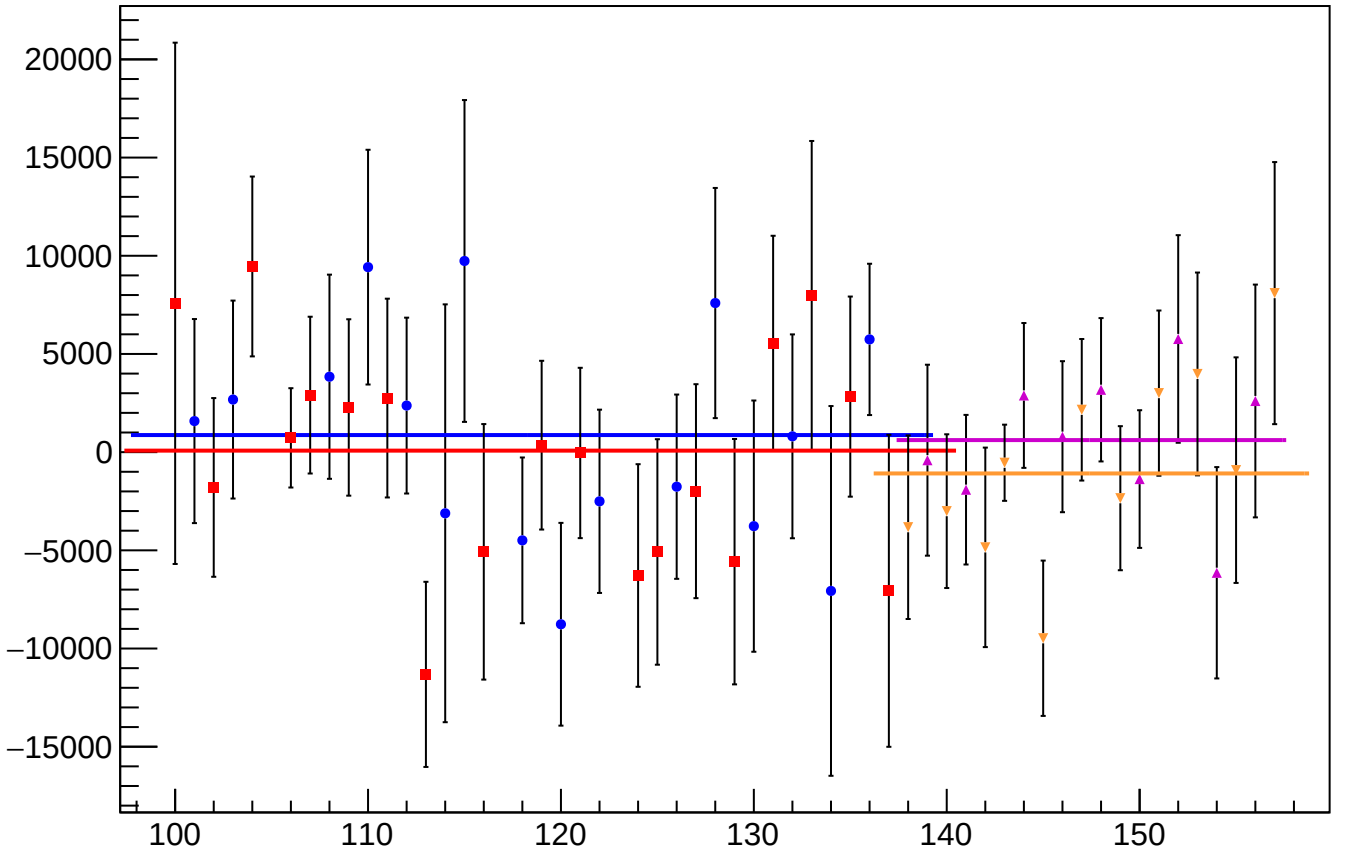
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.387+/-0.166 χ^2/NDF: 994459.7/54

- sign 1290.845+/-0.236 χ^2/NDF: 333600.8/27



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

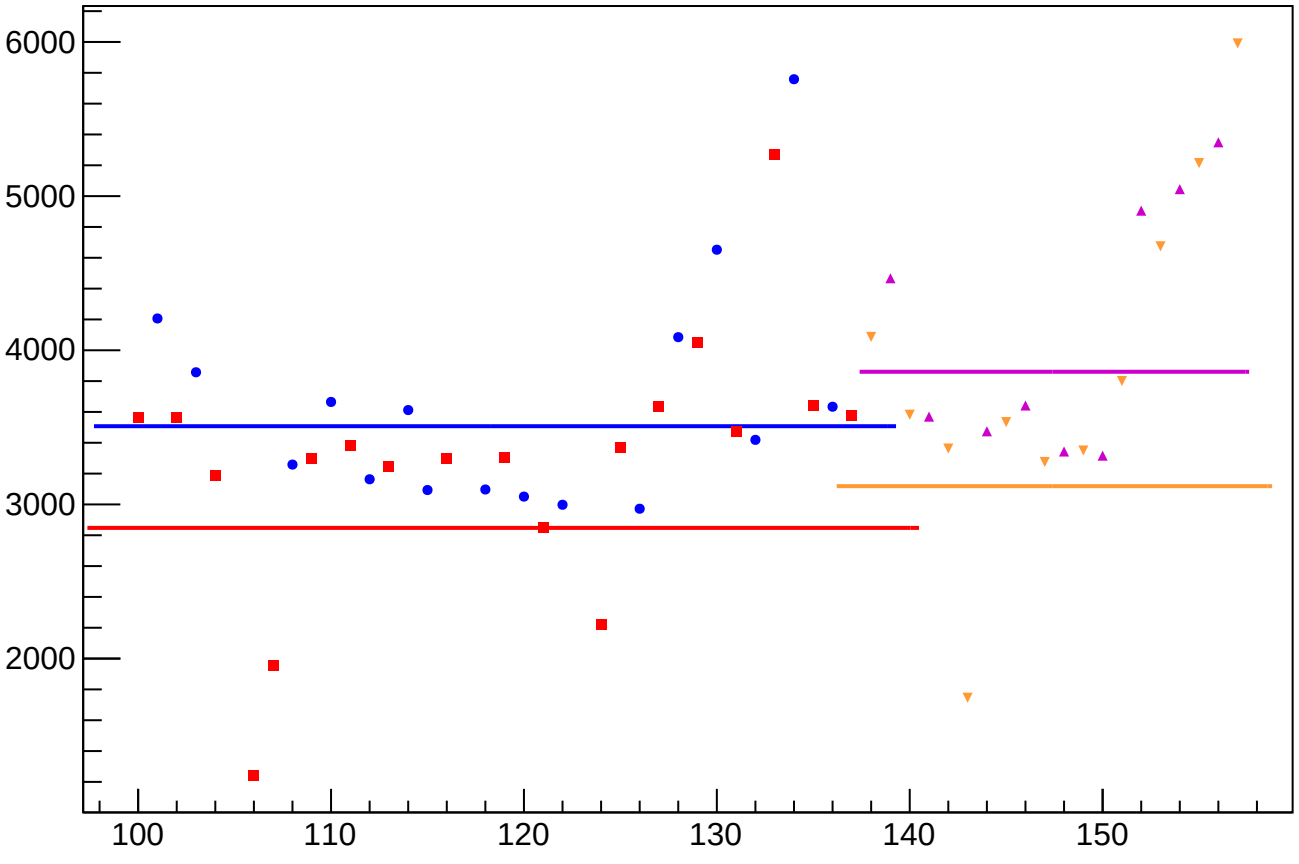
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 613.837+/-1403.529 χ^2/NDF:4.3/8

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 9.808+/-612.597 χ^2/NDF: 48.7/54

- sign 284.015+/-871.149 χ^2/NDF: 22.8/27



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

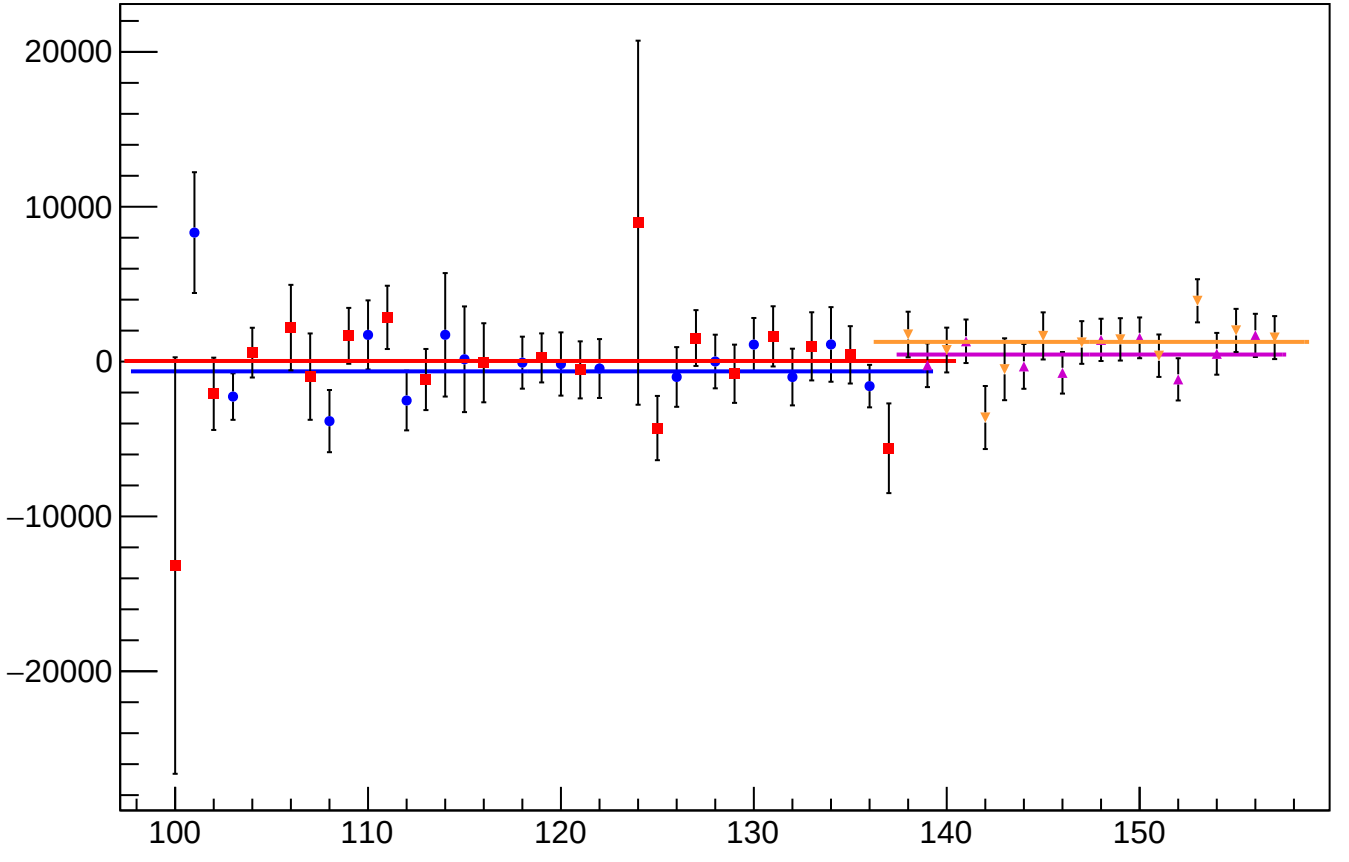
Left In: 3860.635+/-0.992 χ^2/NDF:460841.9/8

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3260.680+/-0.433 χ^2/NDF: 5081242.5/54

- sign 3238.014+/-0.616 χ^2/NDF: 2600444.3/27

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

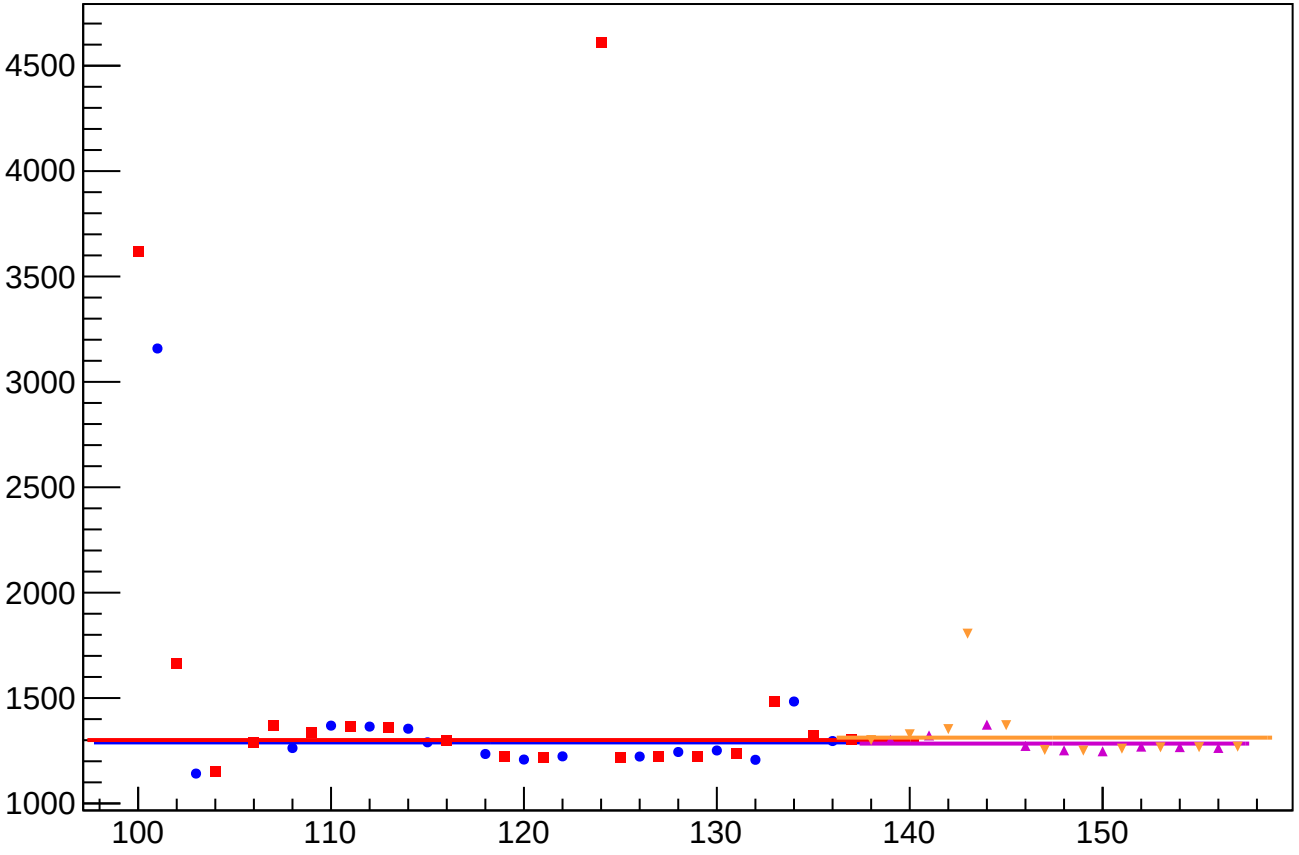
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

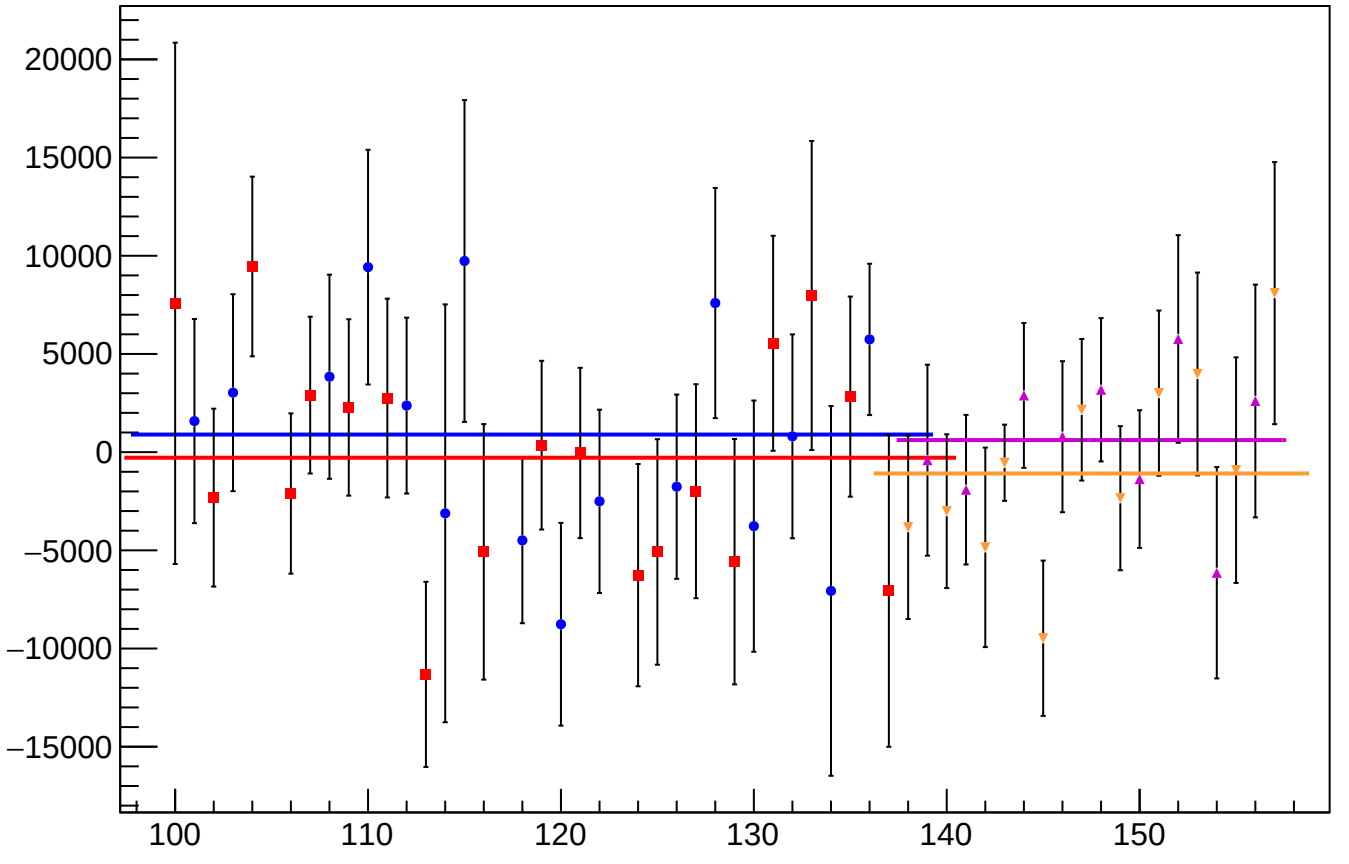
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

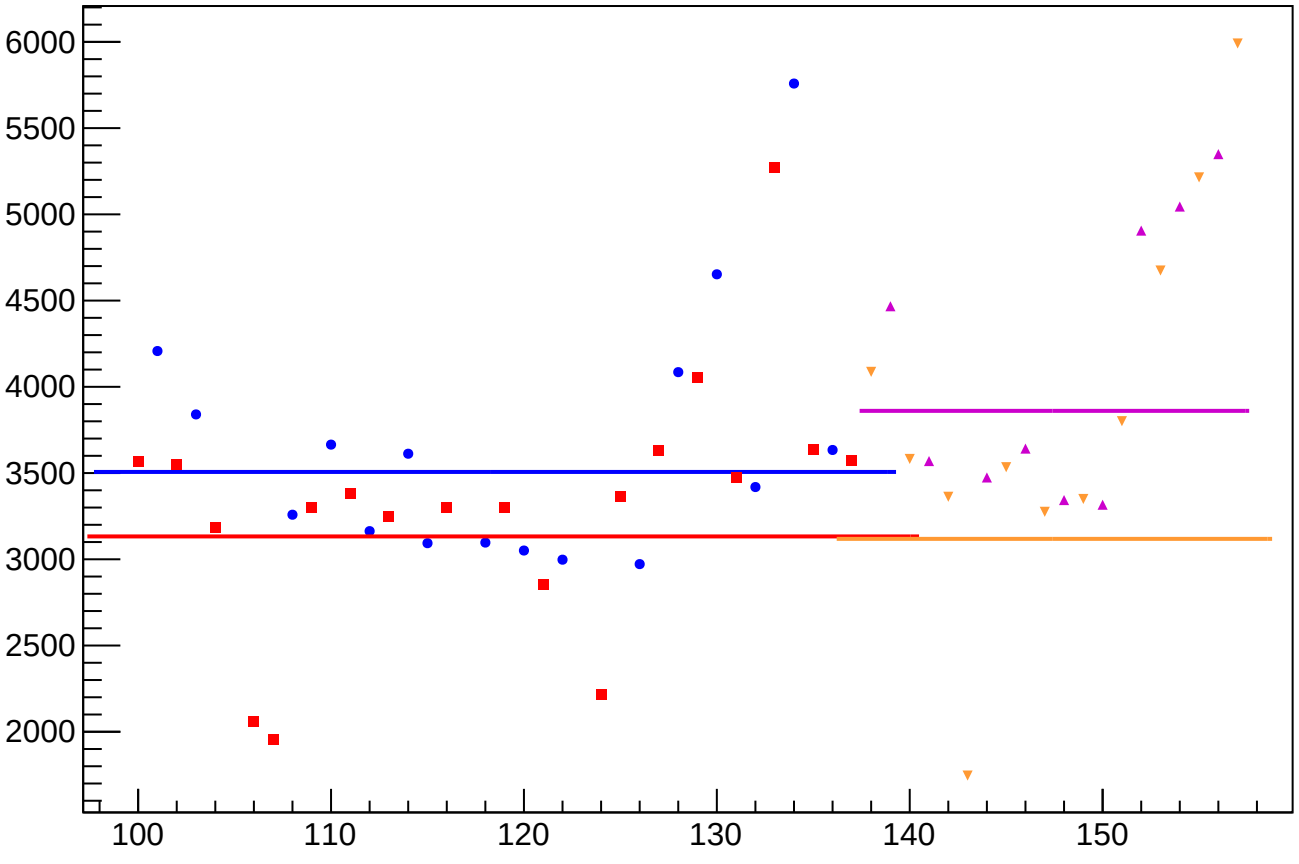
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 613.900+/-1403.527 χ^2/NDF:4.3/8

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -87.284+/-623.856 χ^2/NDF: 49.1/54

- sign 89.033+/-904.623 χ^2/NDF: 23.2/27



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

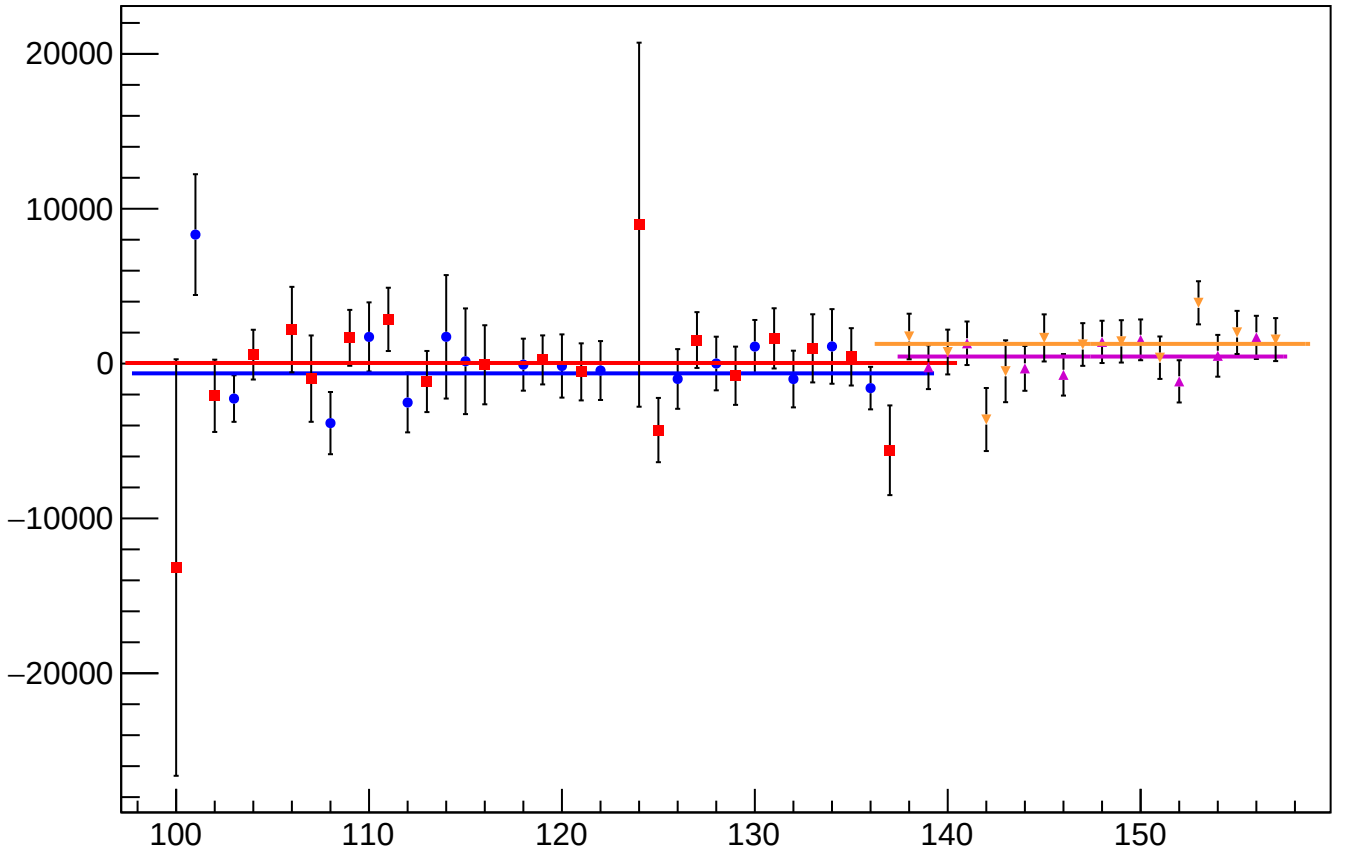
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

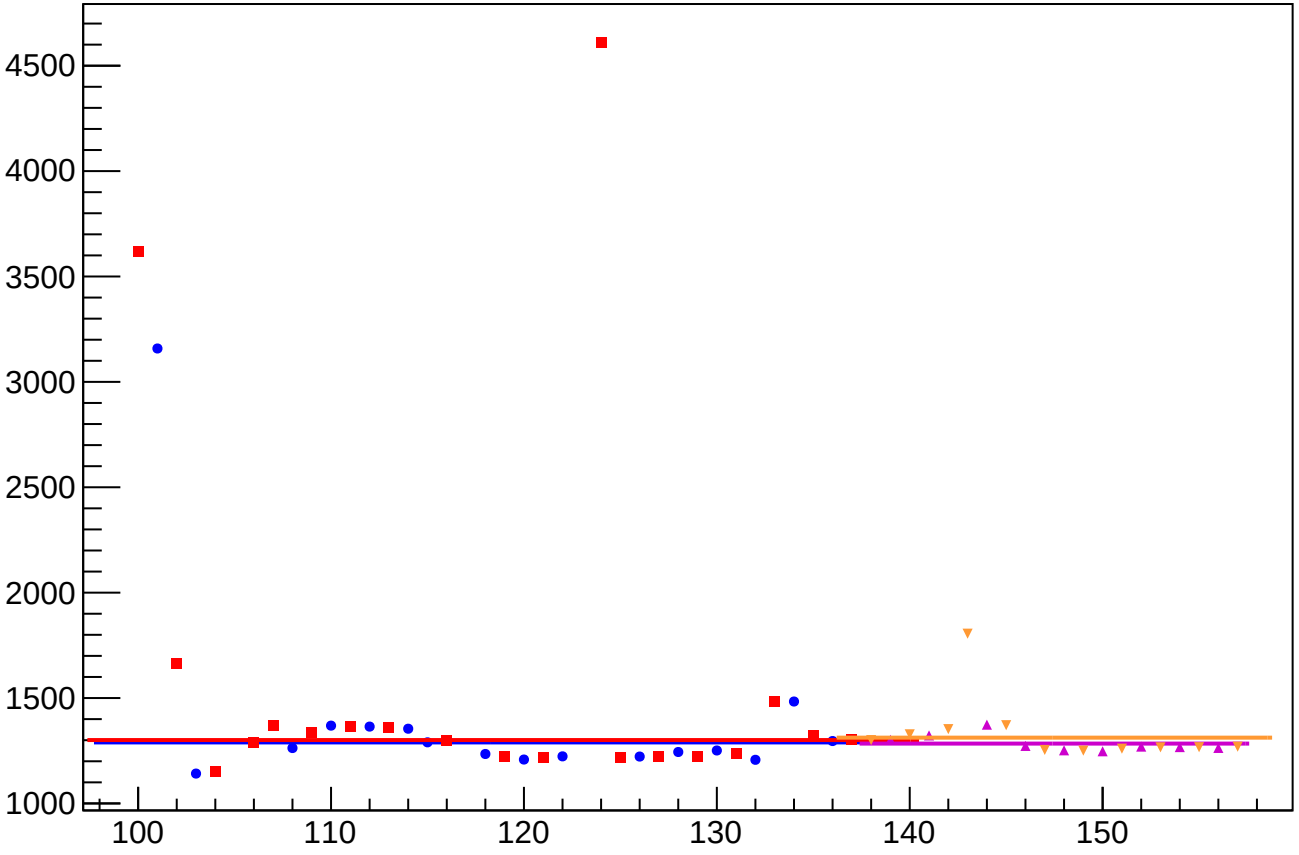
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

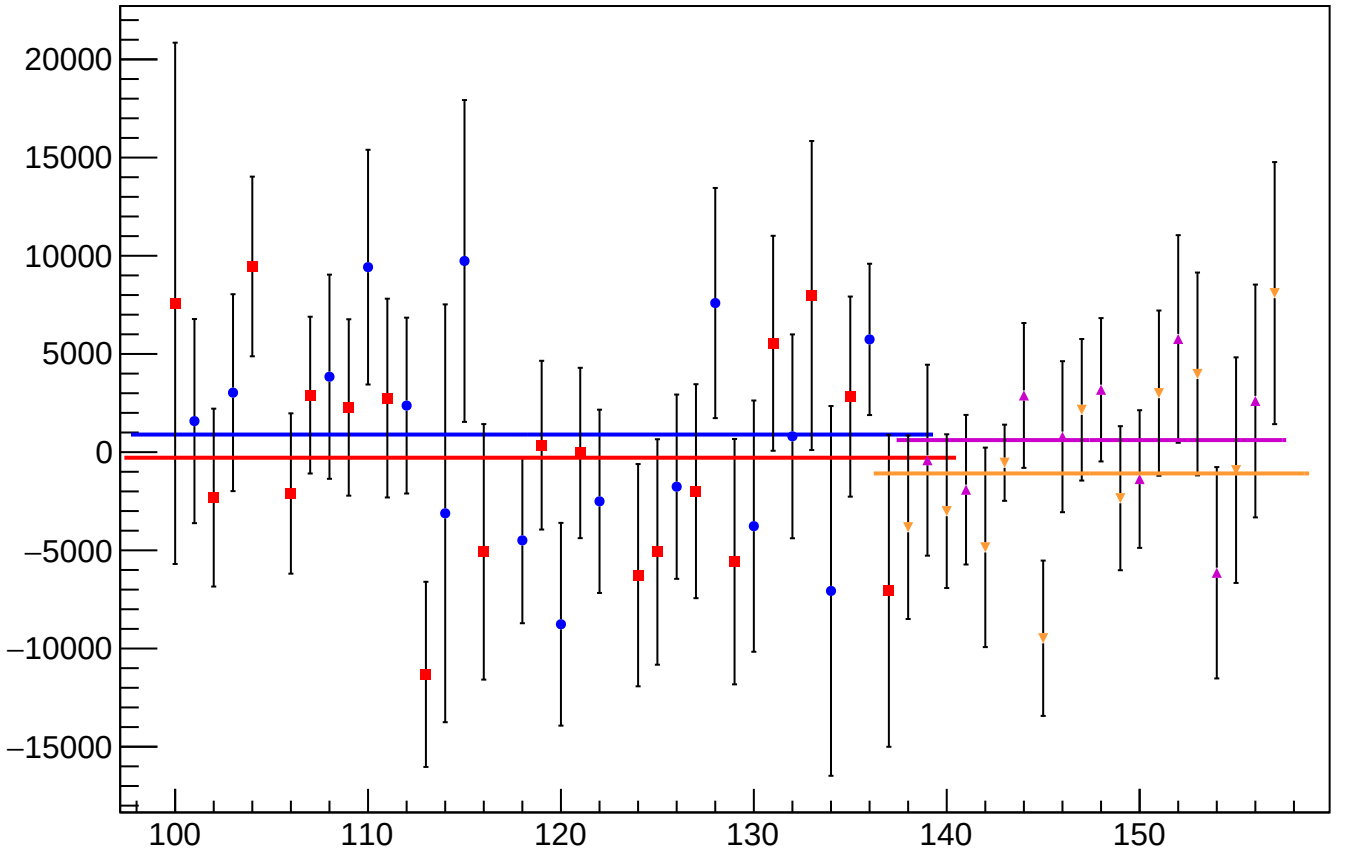
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

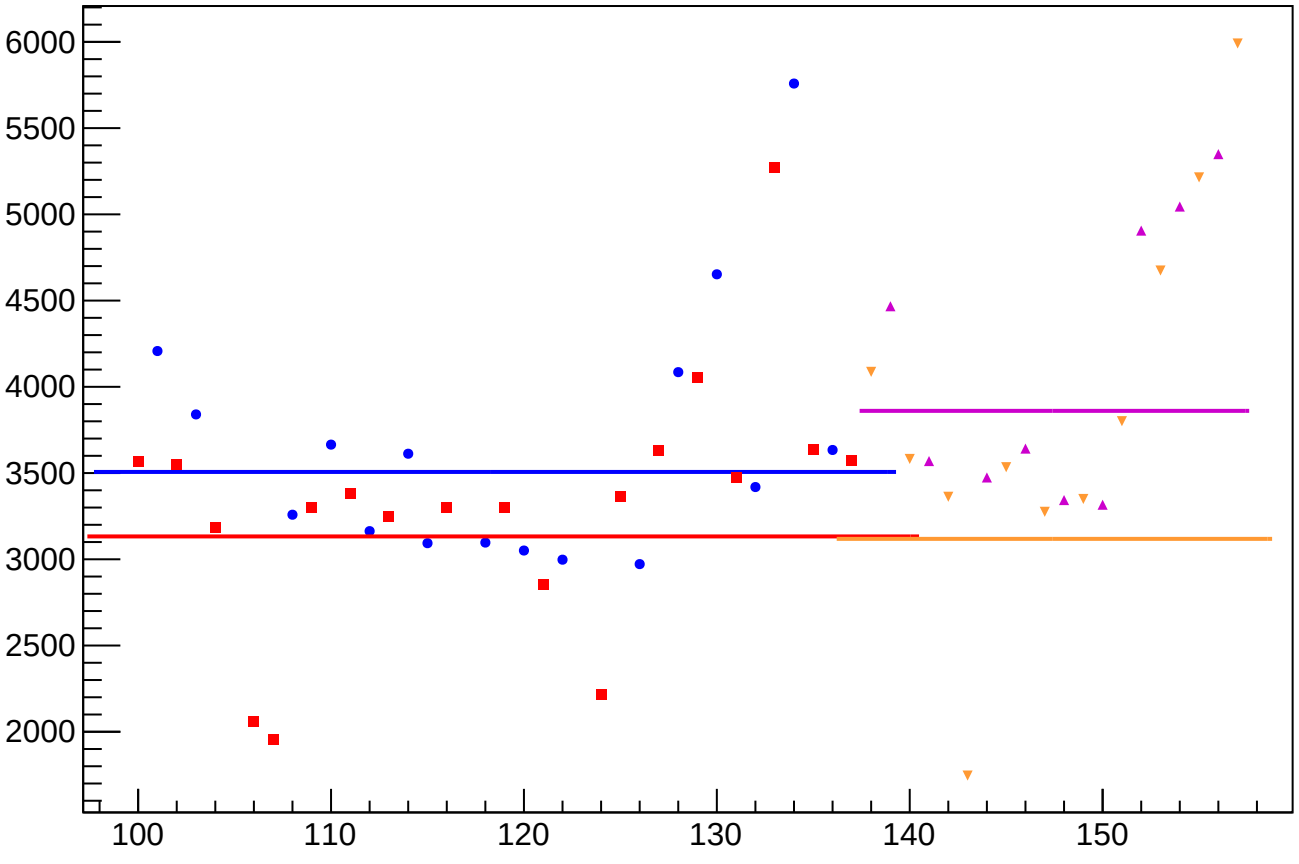
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 613.900+/-1403.527 χ^2/NDF:4.3/8

+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -87.284+/-623.856 χ^2/NDF: 49.1/54

- sign 89.033+/-904.623 χ^2/NDF: 23.2/27



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

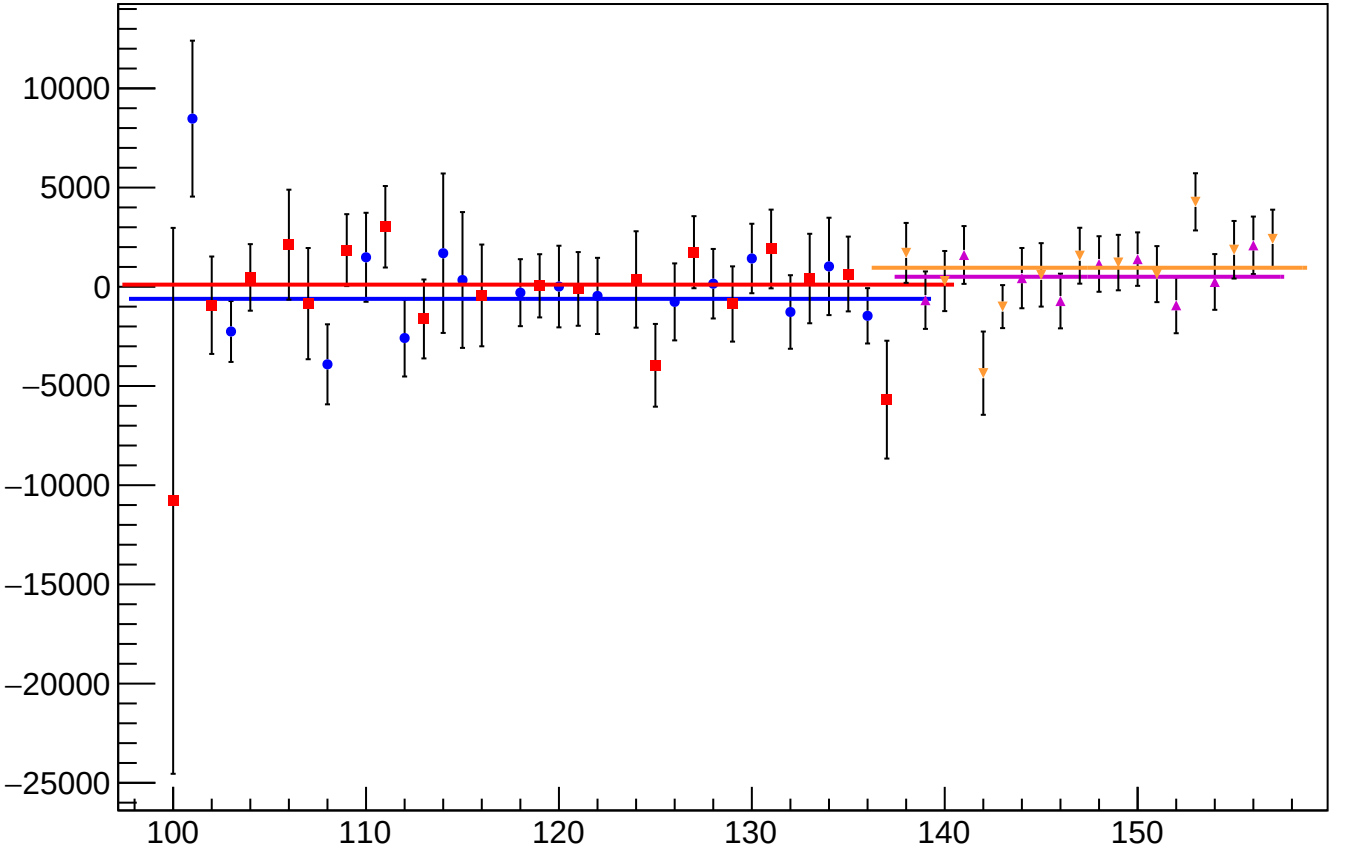
Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

\- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

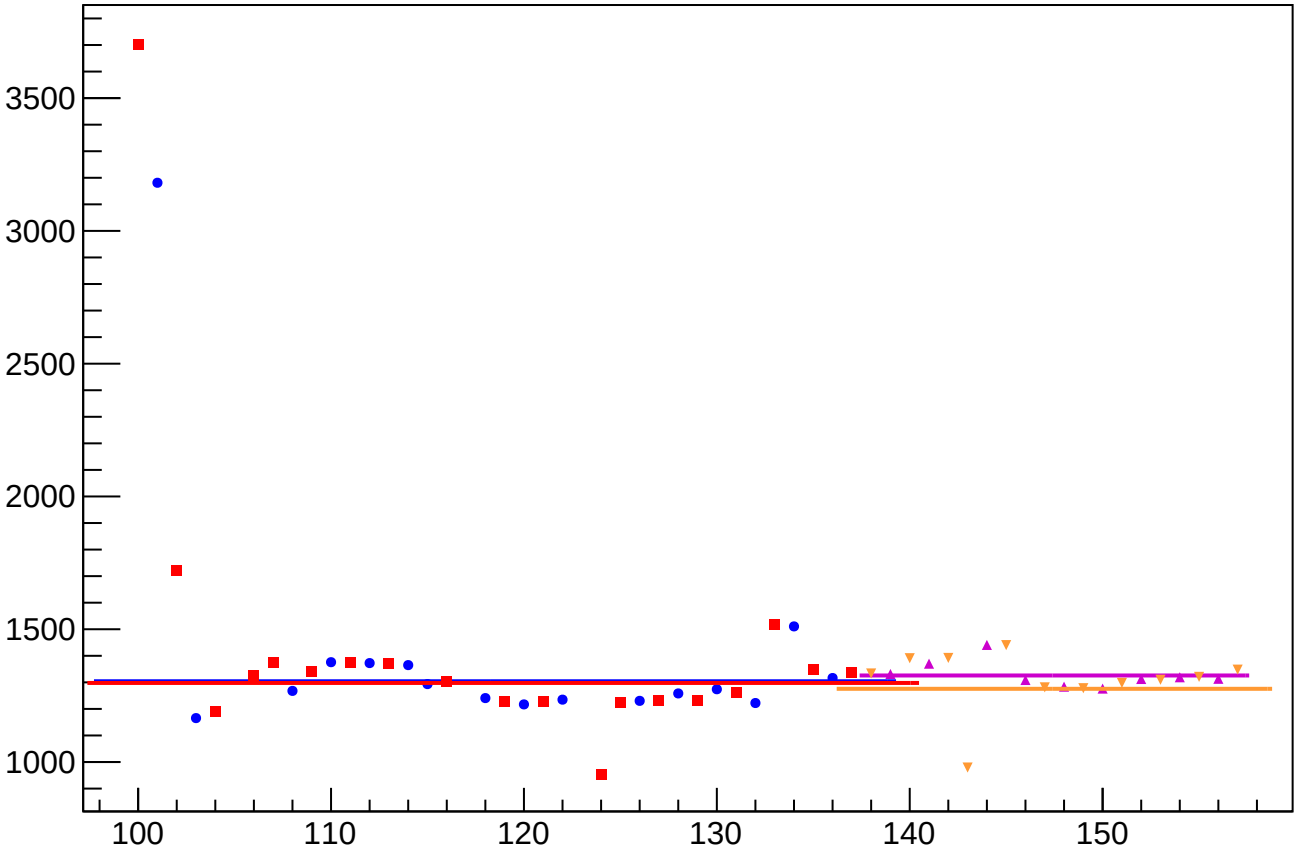
Left In: 505.192+/-473.786 χ^2/NDF:4.9/8

+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 292.513+/-235.252 χ^2/NDF: 57.0/54

- sign 311.766+/-339.101 χ^2/NDF: 20.1/27

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

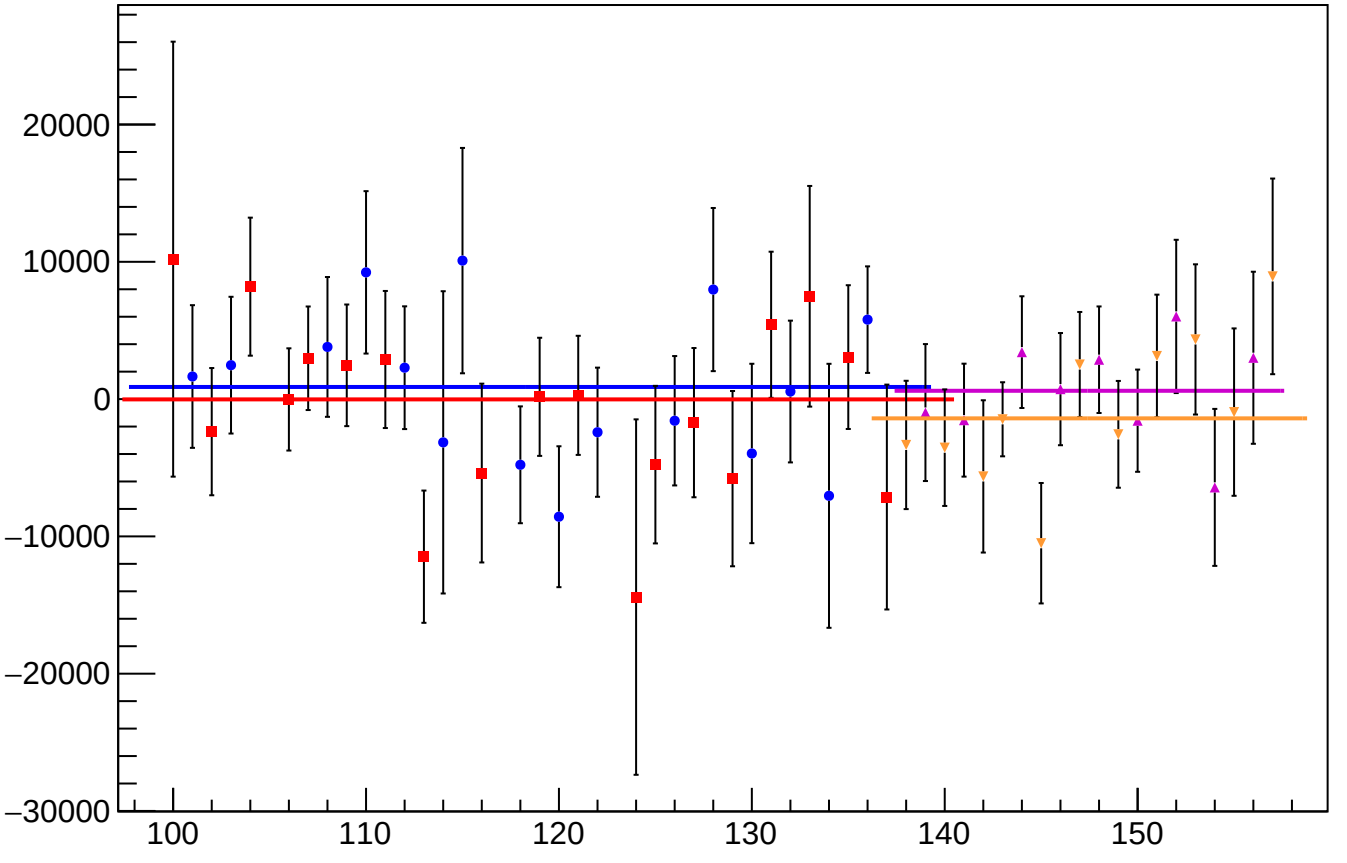
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.912+/-0.335 χ^2/NDF:18549.3/8

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1299.705+/-0.166 χ^2/NDF: 954393.9/54

- sign 1312.188+/-0.240 χ^2/NDF: 235084.0/27



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

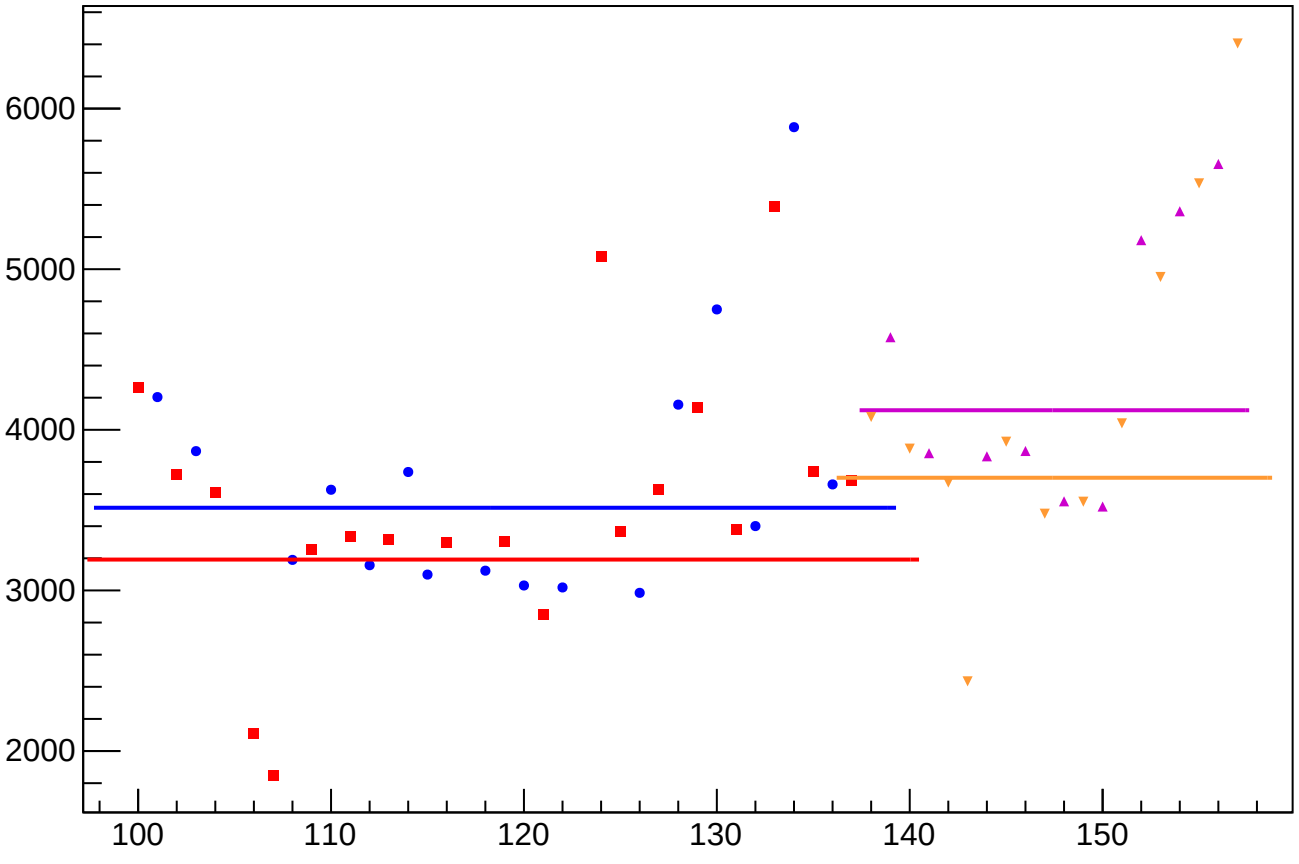
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 605.876+/-1496.897 χ^2/NDF:4.1/8

\+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.920+/-659.959 χ^2/NDF: 47.5/54

\- sign 224.450+/-936.292 χ^2/NDF: 21.1/27



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

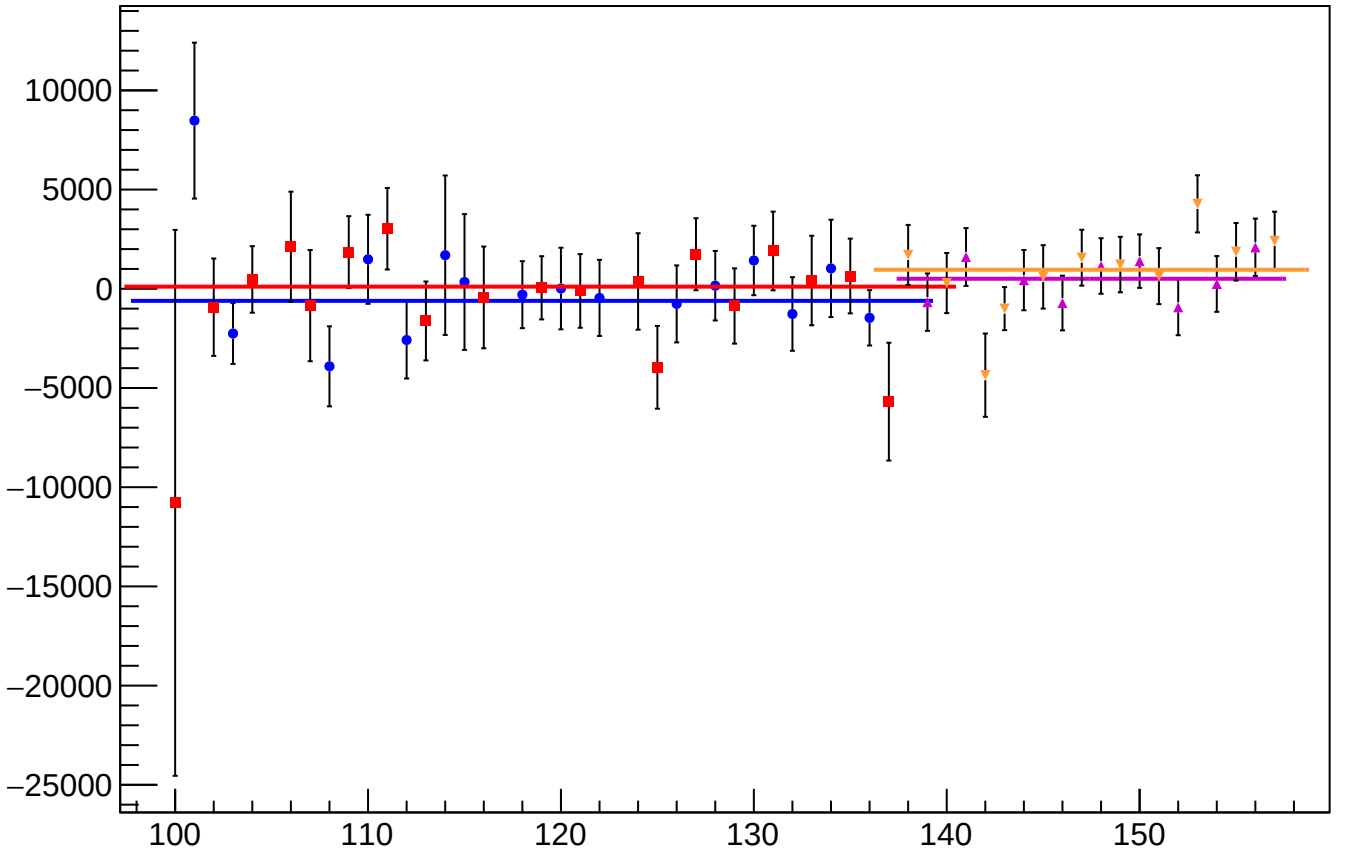
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4121.849+/-1.058 χ^2/NDF:422854.0/8

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3583.018+/-0.467 χ^2/NDF: 3121605.1/54

- sign 3555.914+/-0.662 χ^2/NDF: 1664951.2/27



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

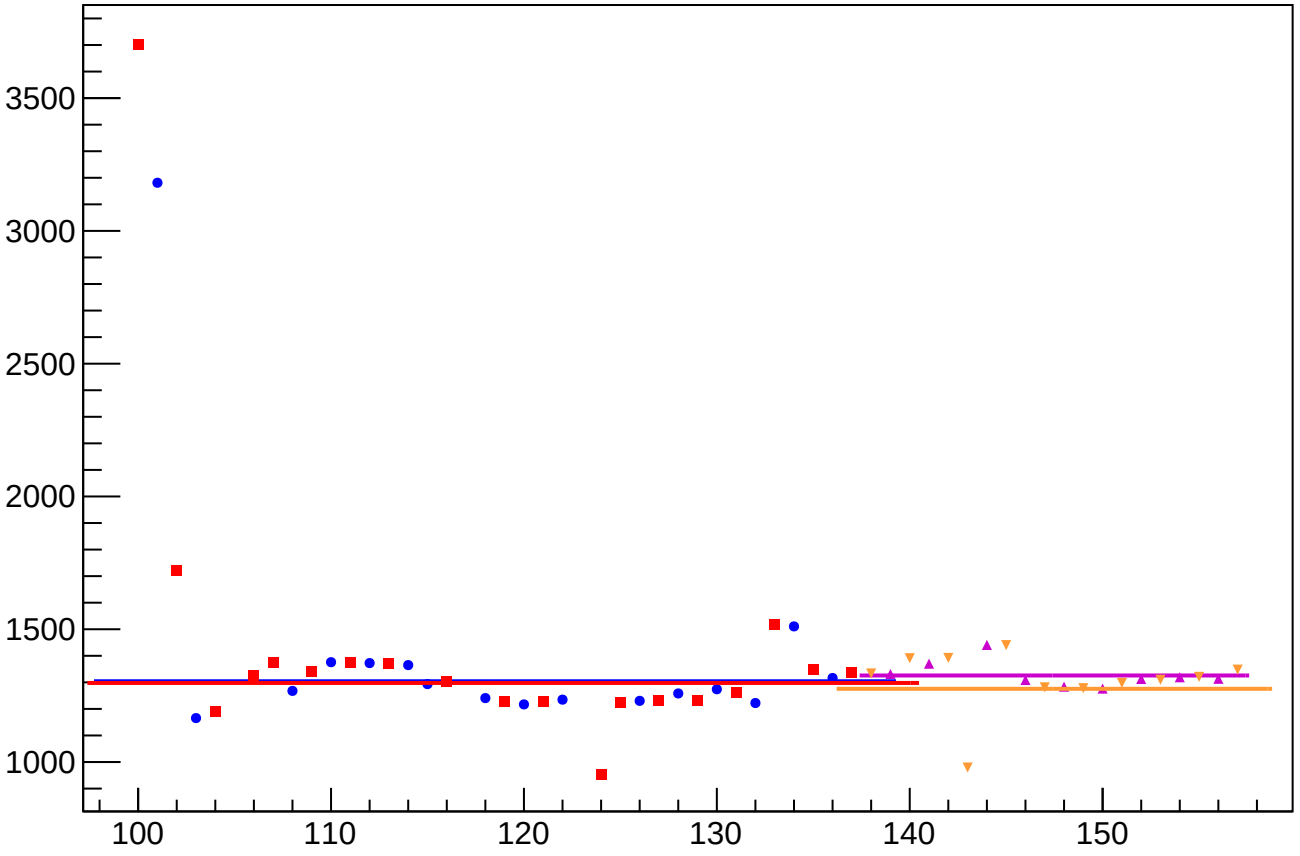
Left In: 505.191+/-473.787 χ^2/NDF:4.9/8

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 292.514+/-235.252 χ^2/NDF: 57.0/54

- sign 311.768+/-339.101 χ^2/NDF: 20.1/27

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

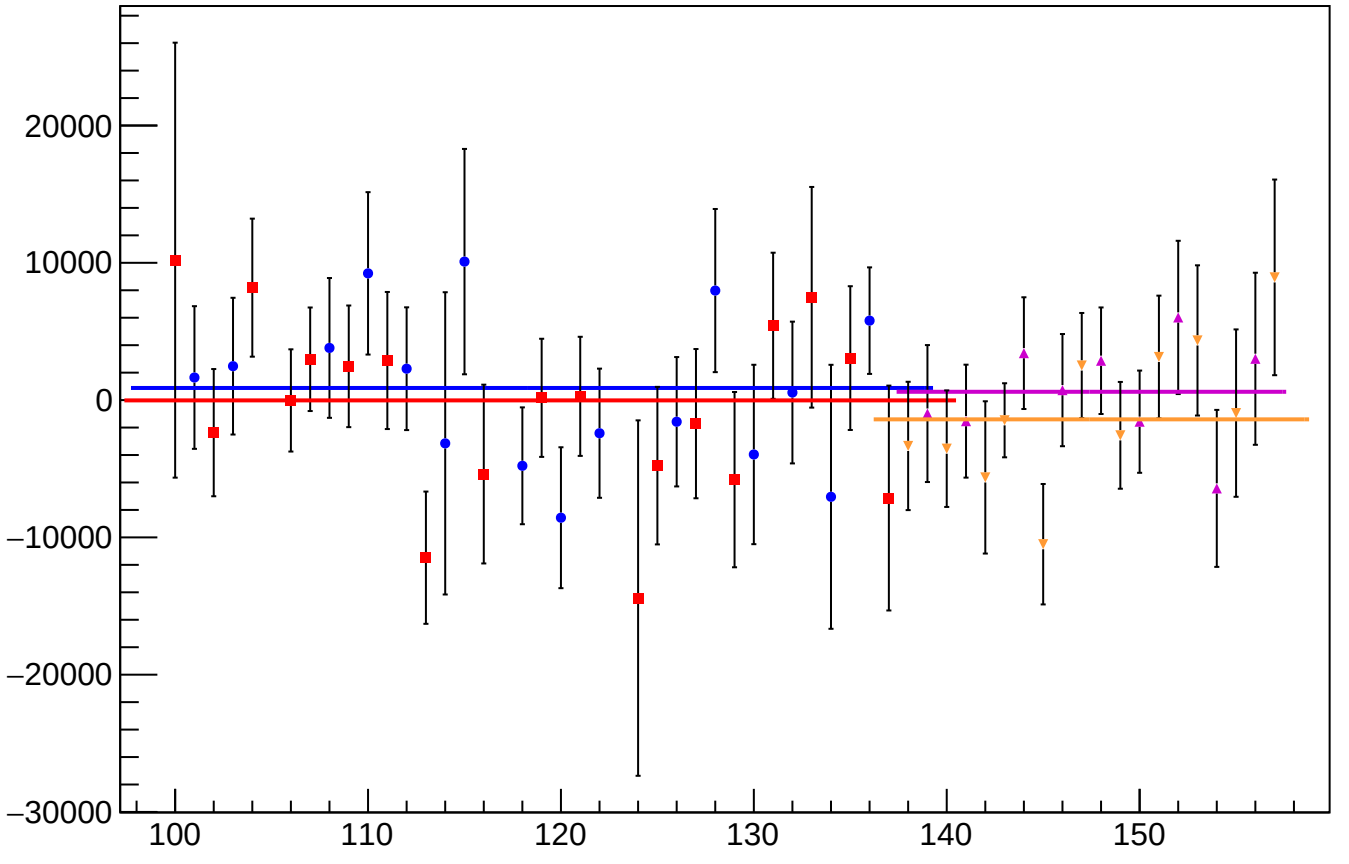
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.913+/-0.335 χ^2/NDF:18549.4/8

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1299.706+/-0.166 χ^2/NDF: 954394.6/54

- sign 1312.189+/-0.240 χ^2/NDF: 235084.5/27



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

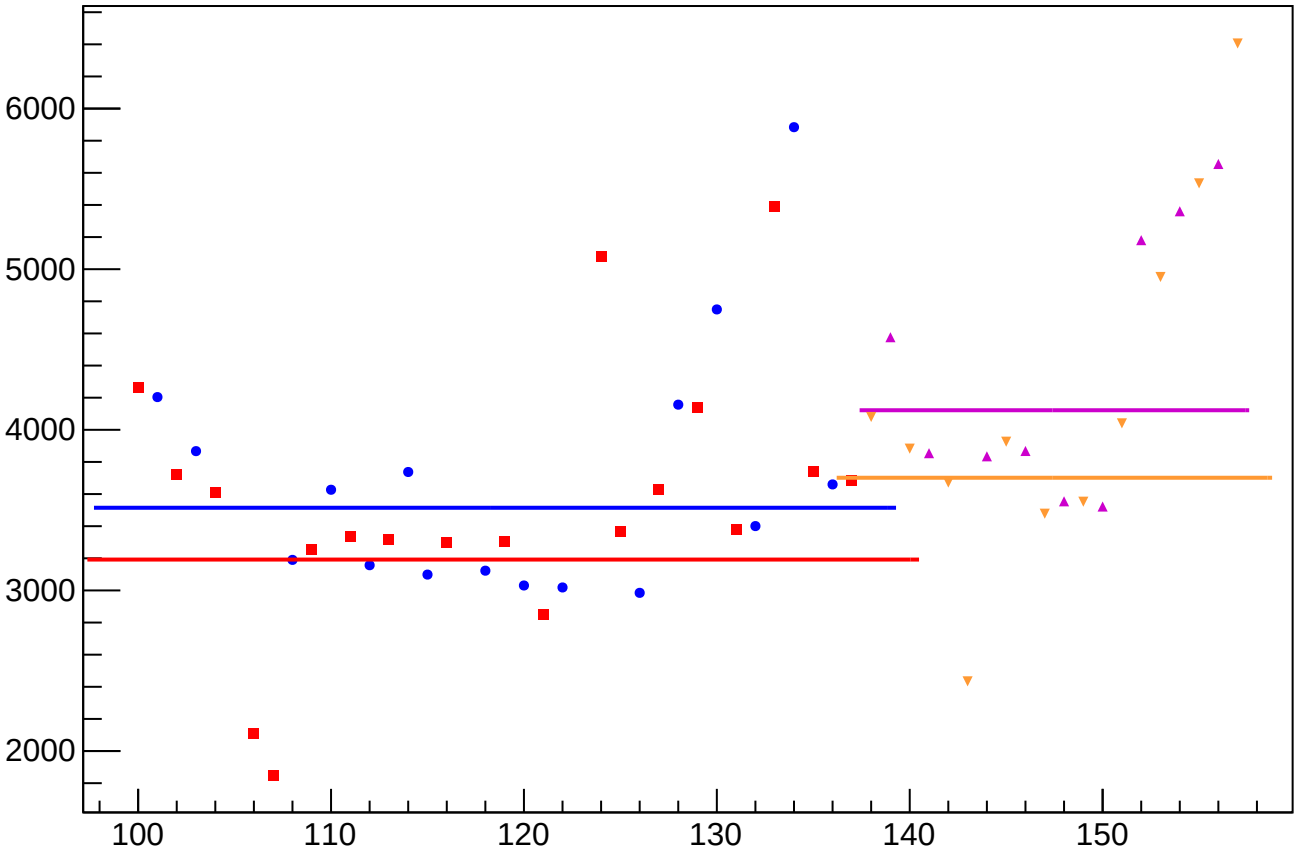
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 605.875+/-1496.899 χ^2/NDF:4.1/8

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.919+/-659.959 χ^2/NDF: 47.5/54

- sign 224.451+/-936.291 χ^2/NDF: 21.1/27



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

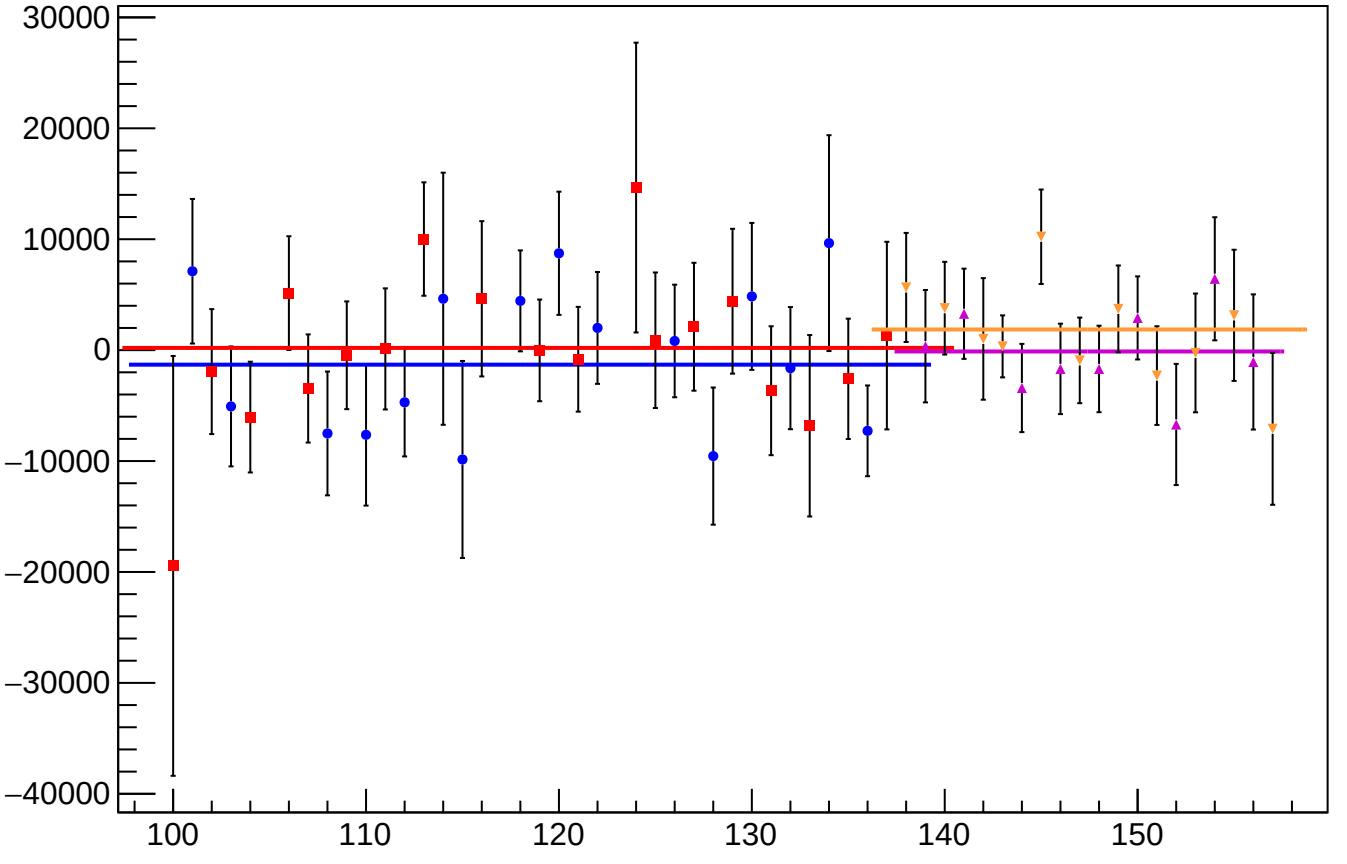
Left In: 4121.854+/-1.058 χ^2/NDF:422854.5/8

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3583.015+/-0.467 χ^2/NDF: 3121628.7/54

- sign 3555.909+/-0.662 χ^2/NDF: 1664967.3/27

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

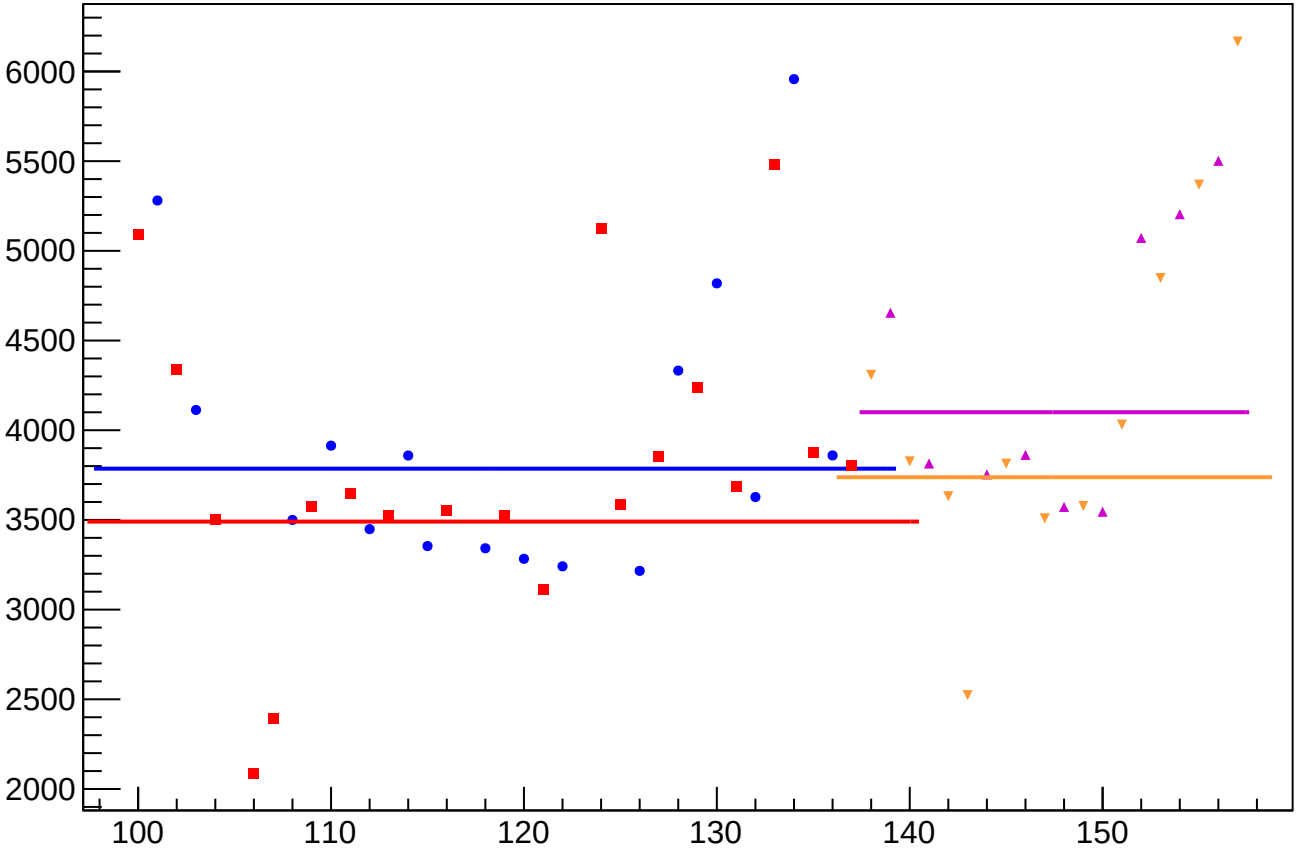
Left In: -120.099+/-1486.086 χ^2/NDF:5.2/8

\+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 242.528+/-692.775 χ^2/NDF: 45.7/54

\- sign 57.800+/-993.557 χ^2/NDF: 16.9/27

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

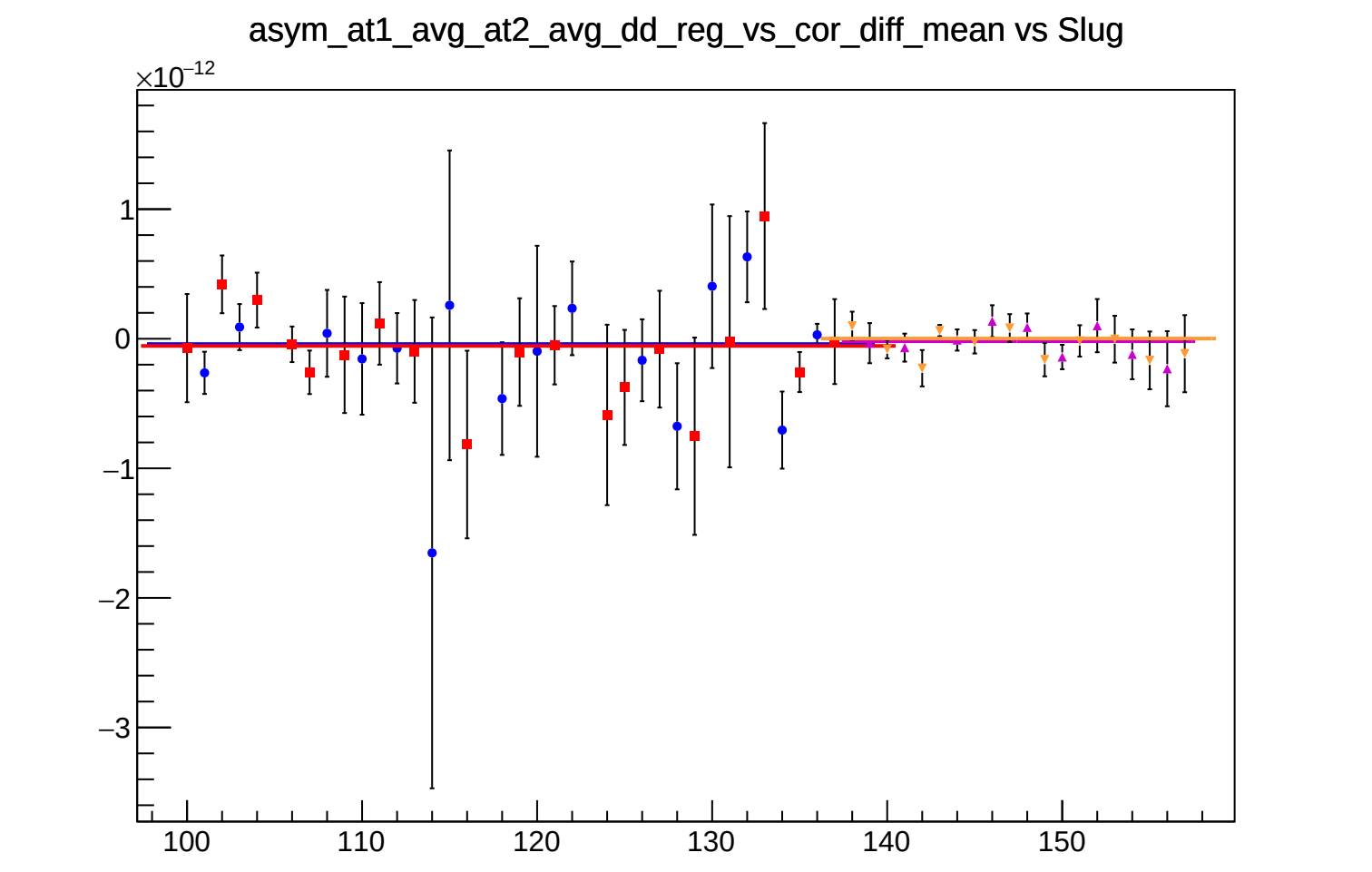
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

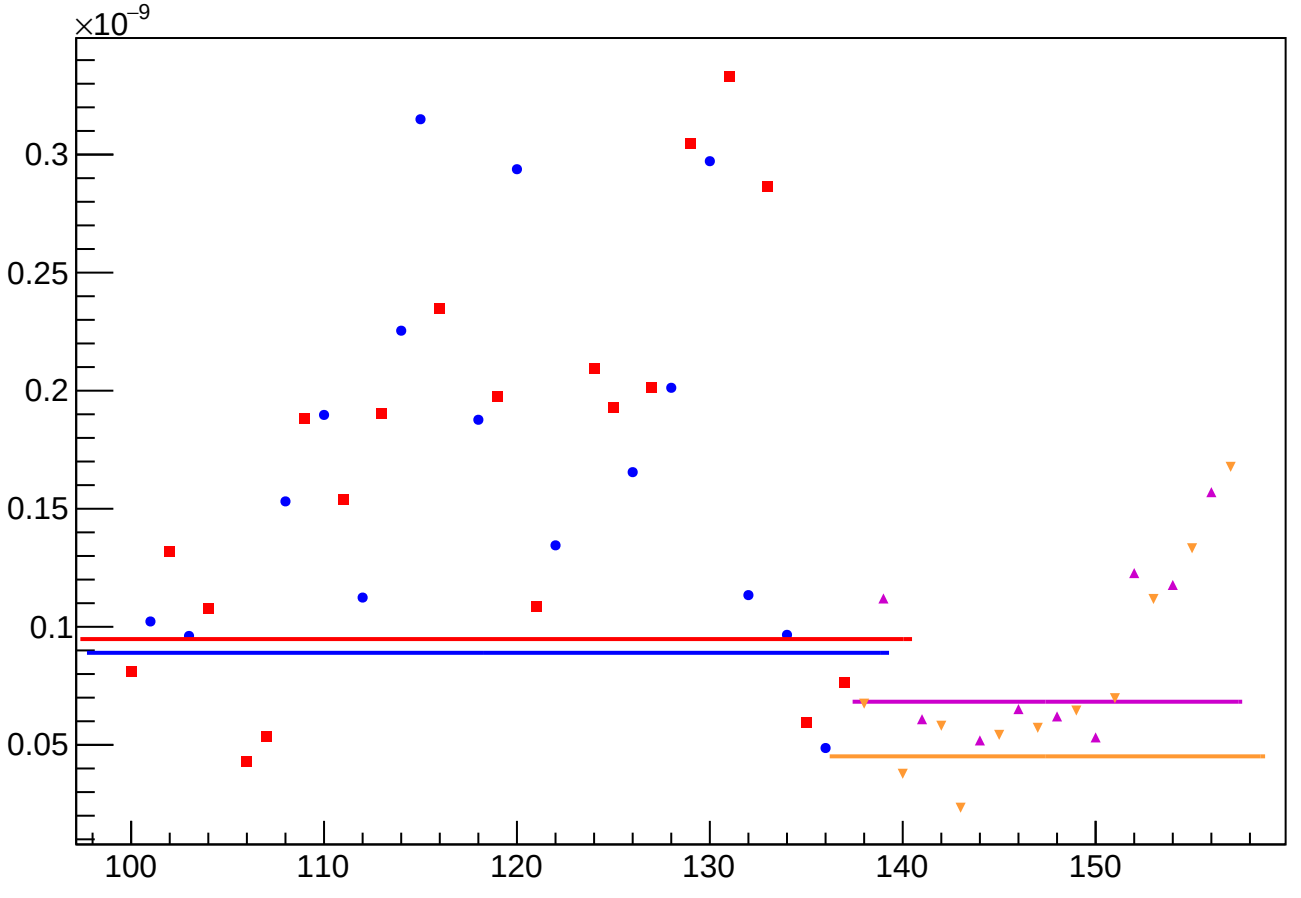
Left In: 4100.386+/-1.051 χ^2/NDF:384587.9/8

+ sign 3759.701+/-0.683 χ^2/NDF: 1300108.5/26

All: 3759.379+/-0.488 χ^2/NDF: 2459906.8/54

- sign 3759.044+/-0.697 χ^2/NDF: 1159797.8/27


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/10
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.6/8
+ sign -0.000+/-0.000 χ²/NDF: 26.8/26
All: -0.000+/-0.000 χ²/NDF: 48.8/54
- sign -0.000+/-0.000 χ²/NDF: 21.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

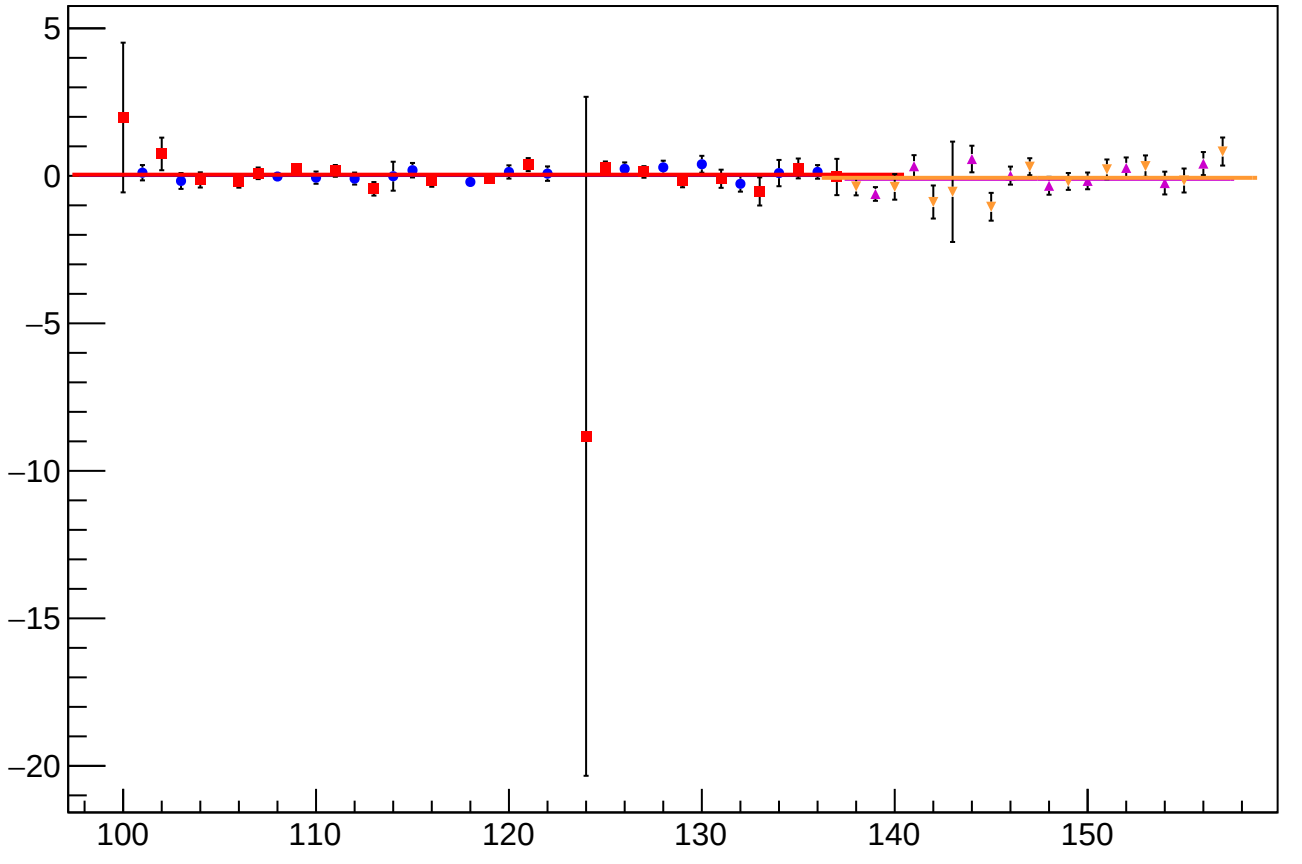
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:768824.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7376334.6/54

- sign 0.000+/-0.000 χ^2/NDF: 2748397.6/27



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

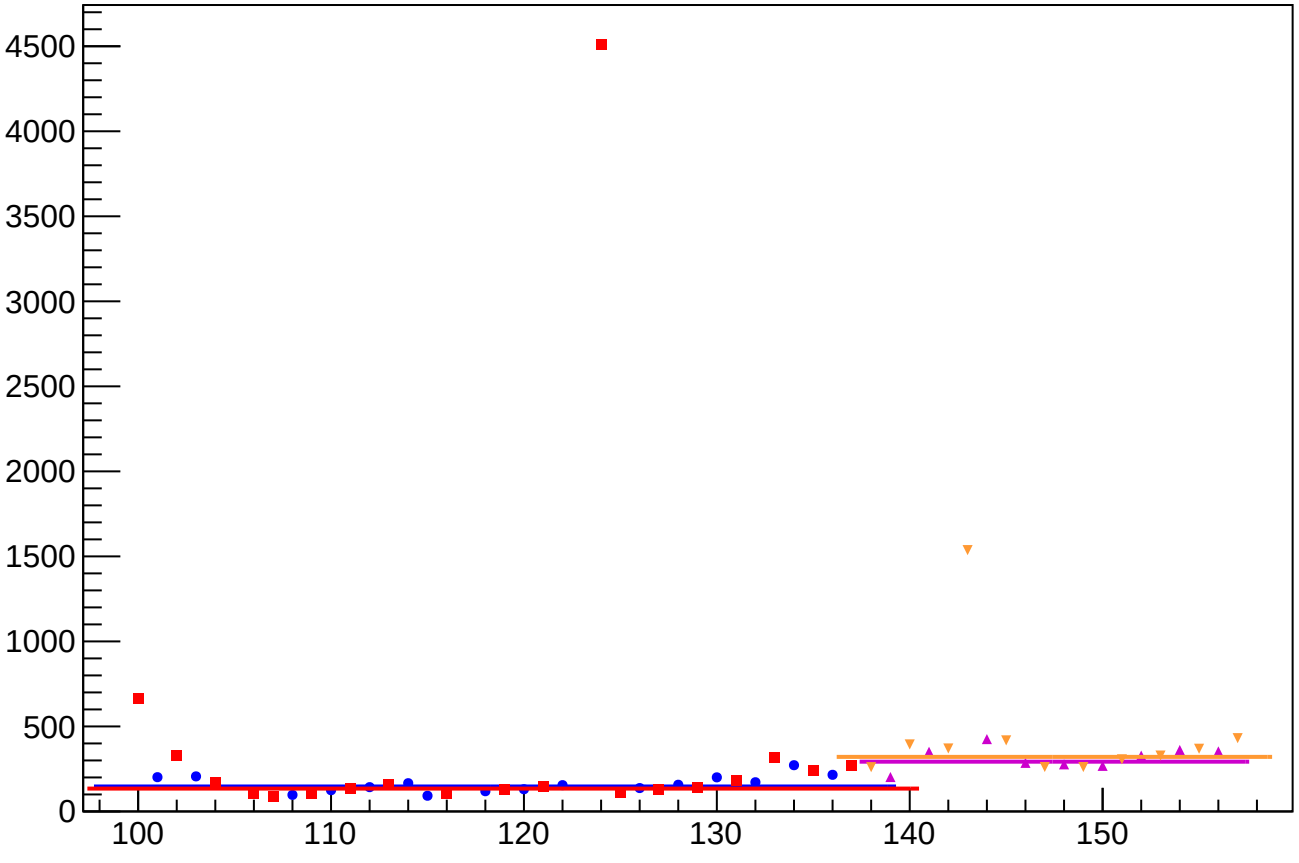
Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

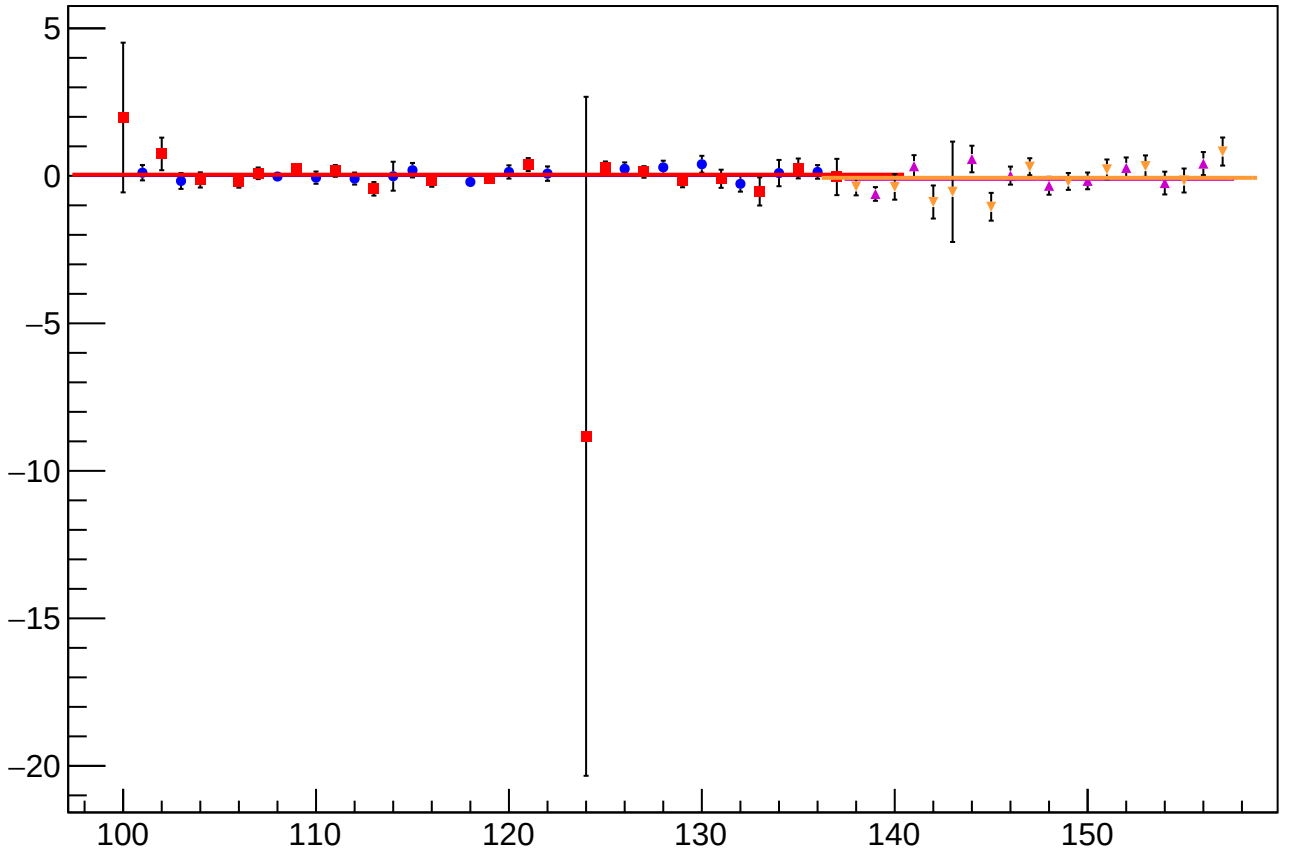
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

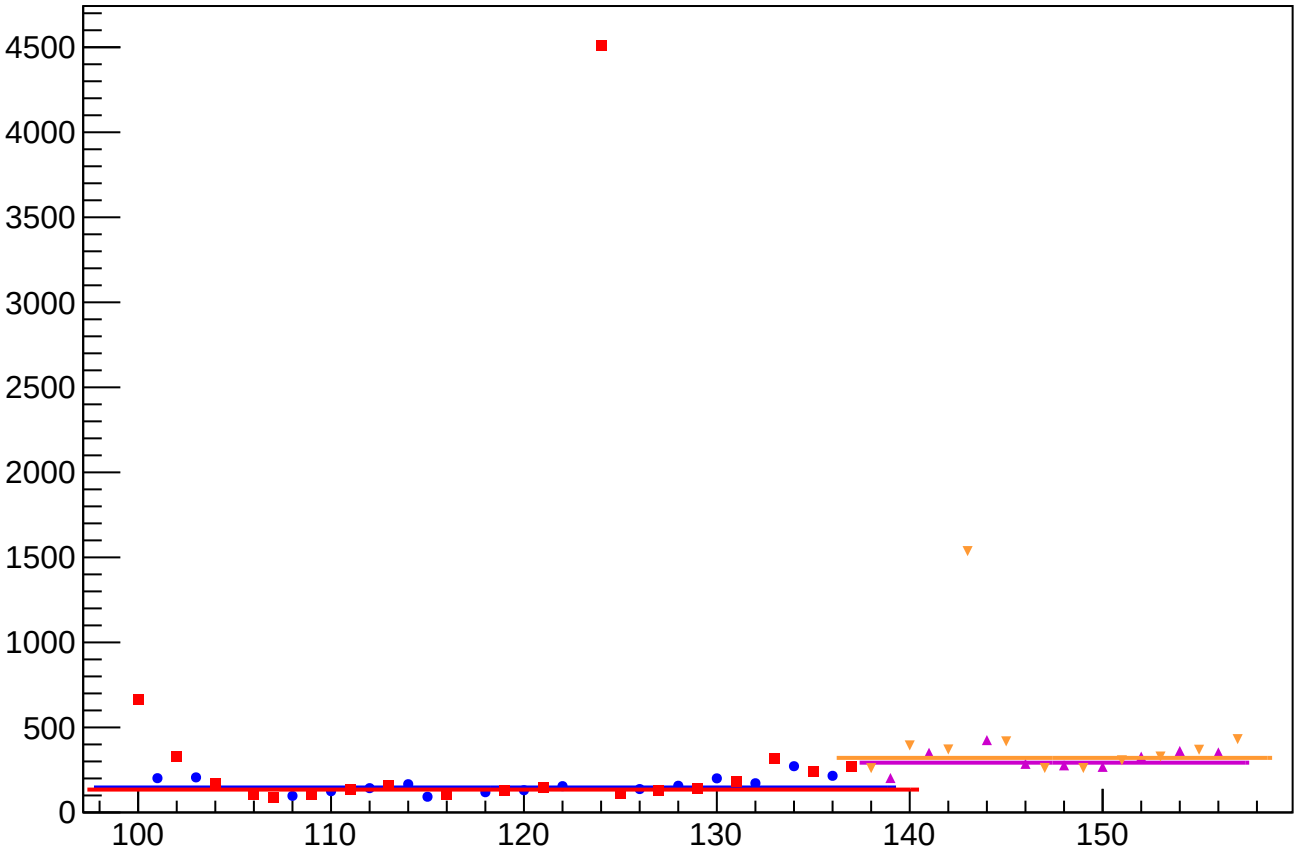
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

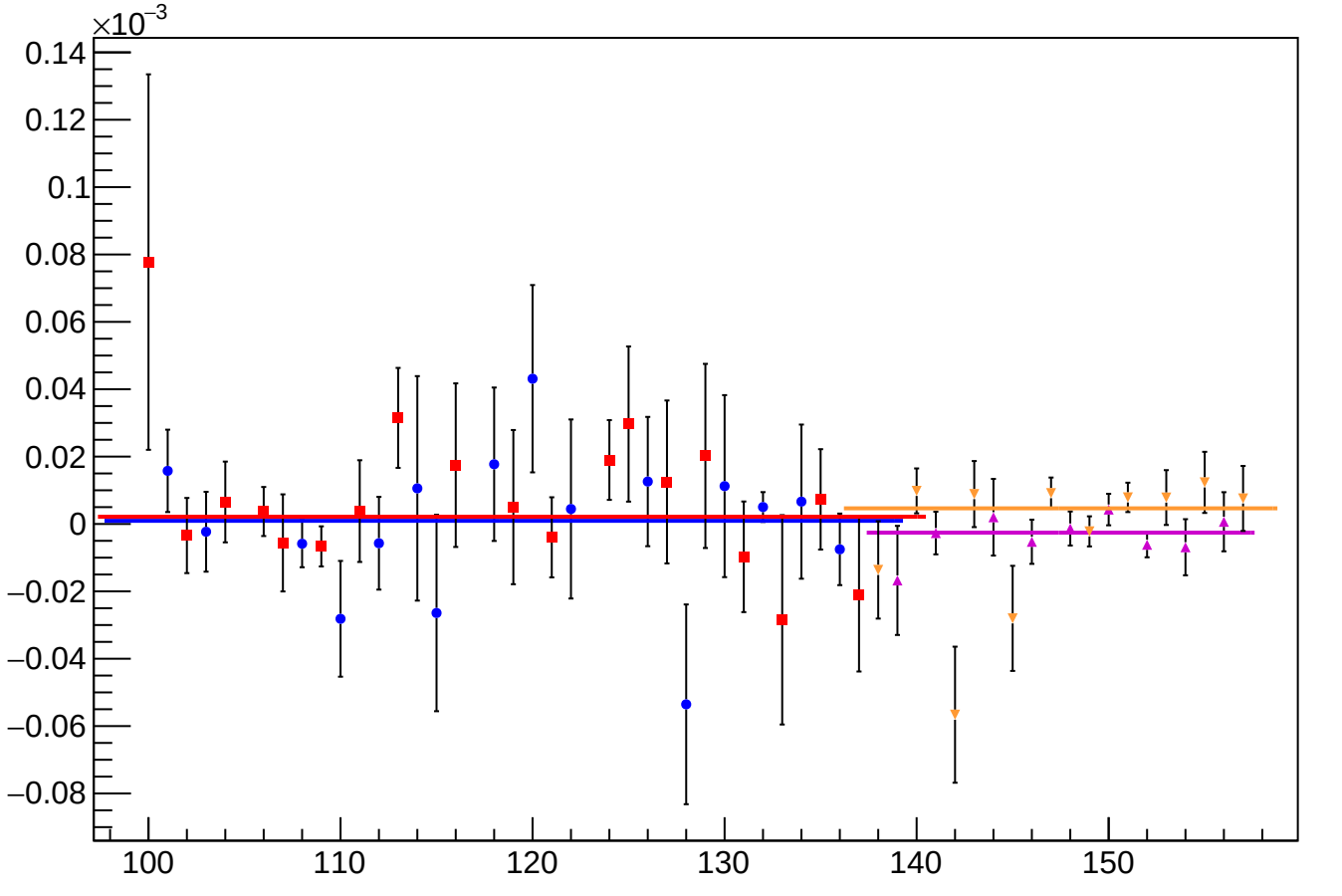
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.8/10

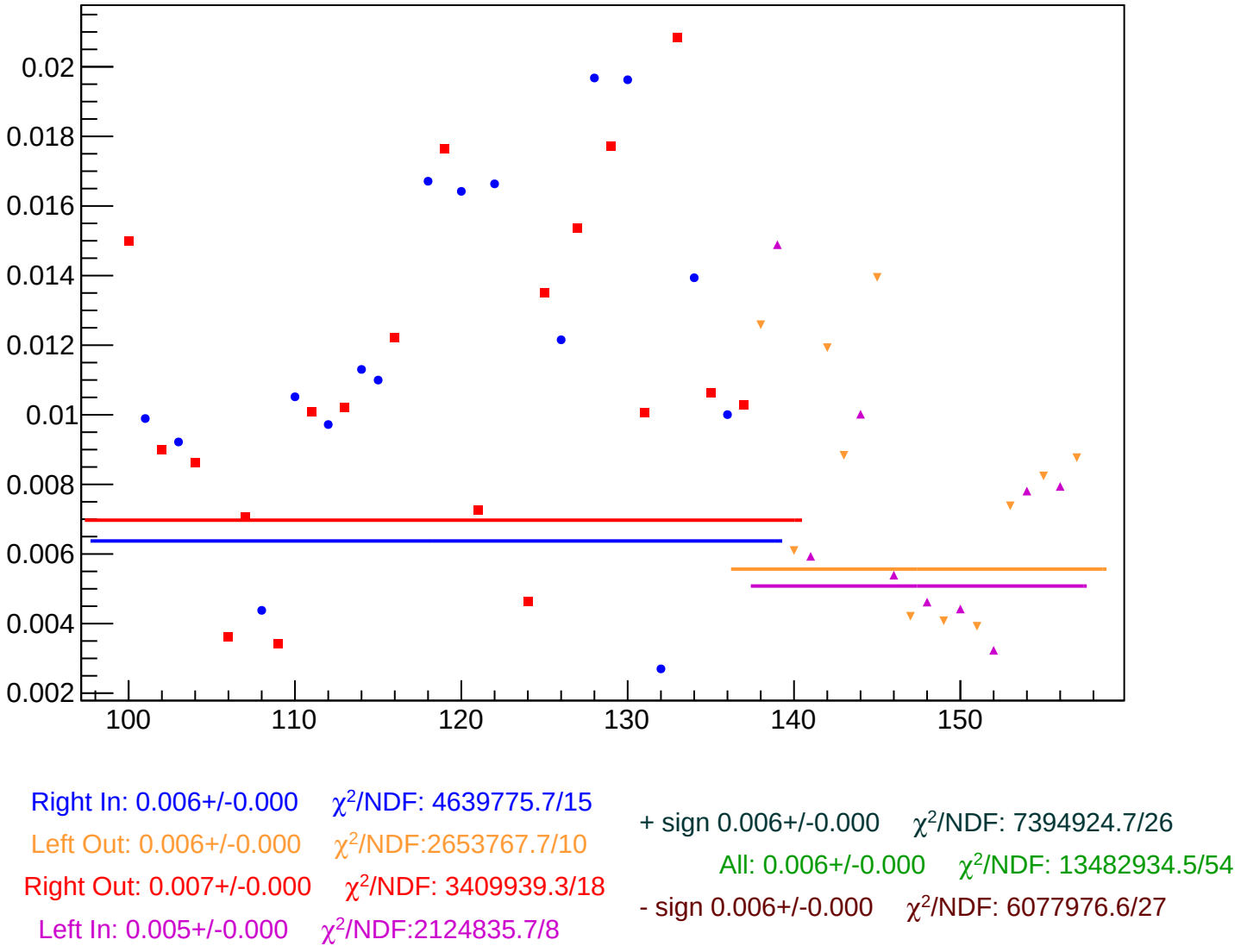
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

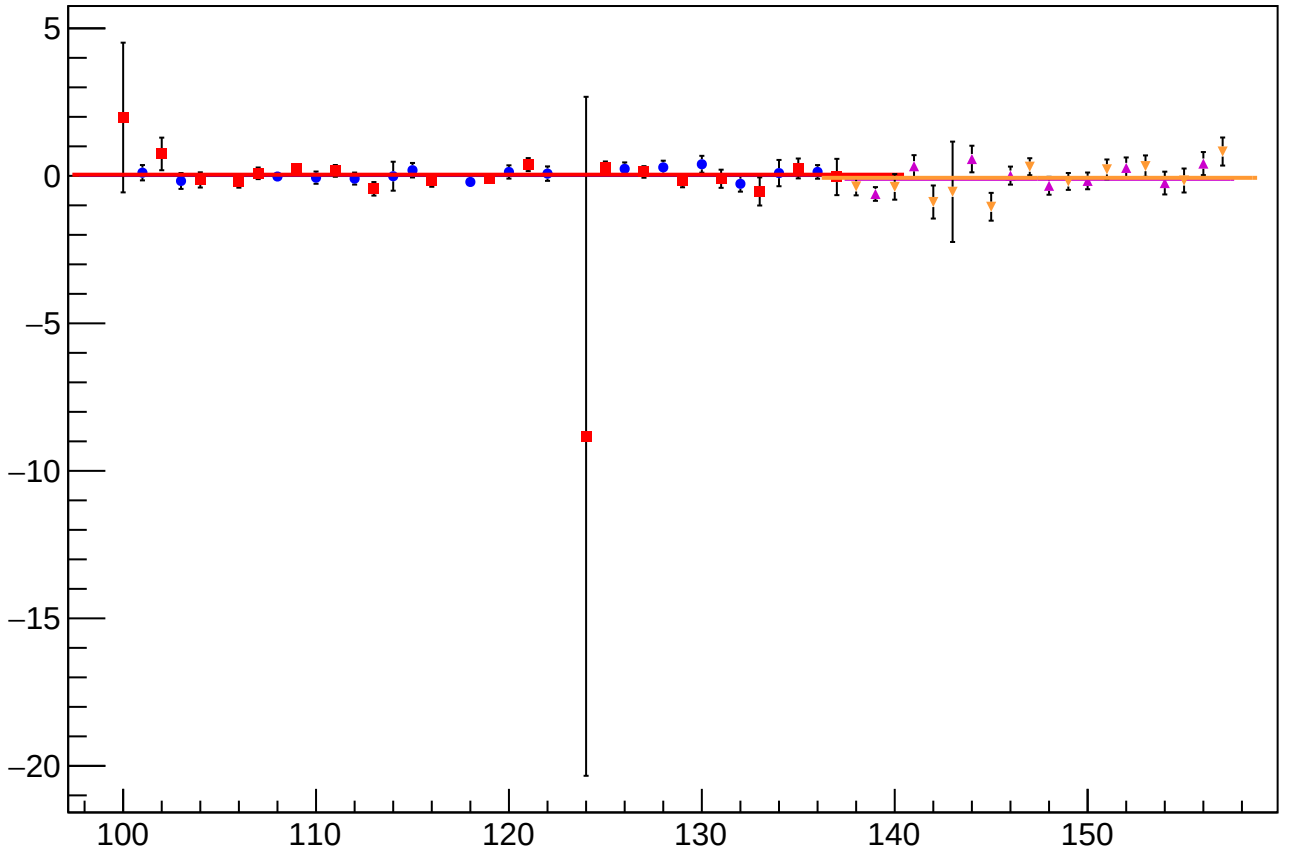
Left In: -0.000+/-0.000 χ^2/NDF:4.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/26

All: 0.000+/-0.000 χ^2/NDF: 62.7/54

- sign -0.000+/-0.000 χ^2/NDF: 22.4/27


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:2653767.7/10
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:2124835.7/8
+ sign 0.006+/-0.000 χ²/NDF: 7394924.7/26
All: 0.006+/-0.000 χ²/NDF: 13482934.5/54
- sign 0.006+/-0.000 χ²/NDF: 6077976.6/27



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

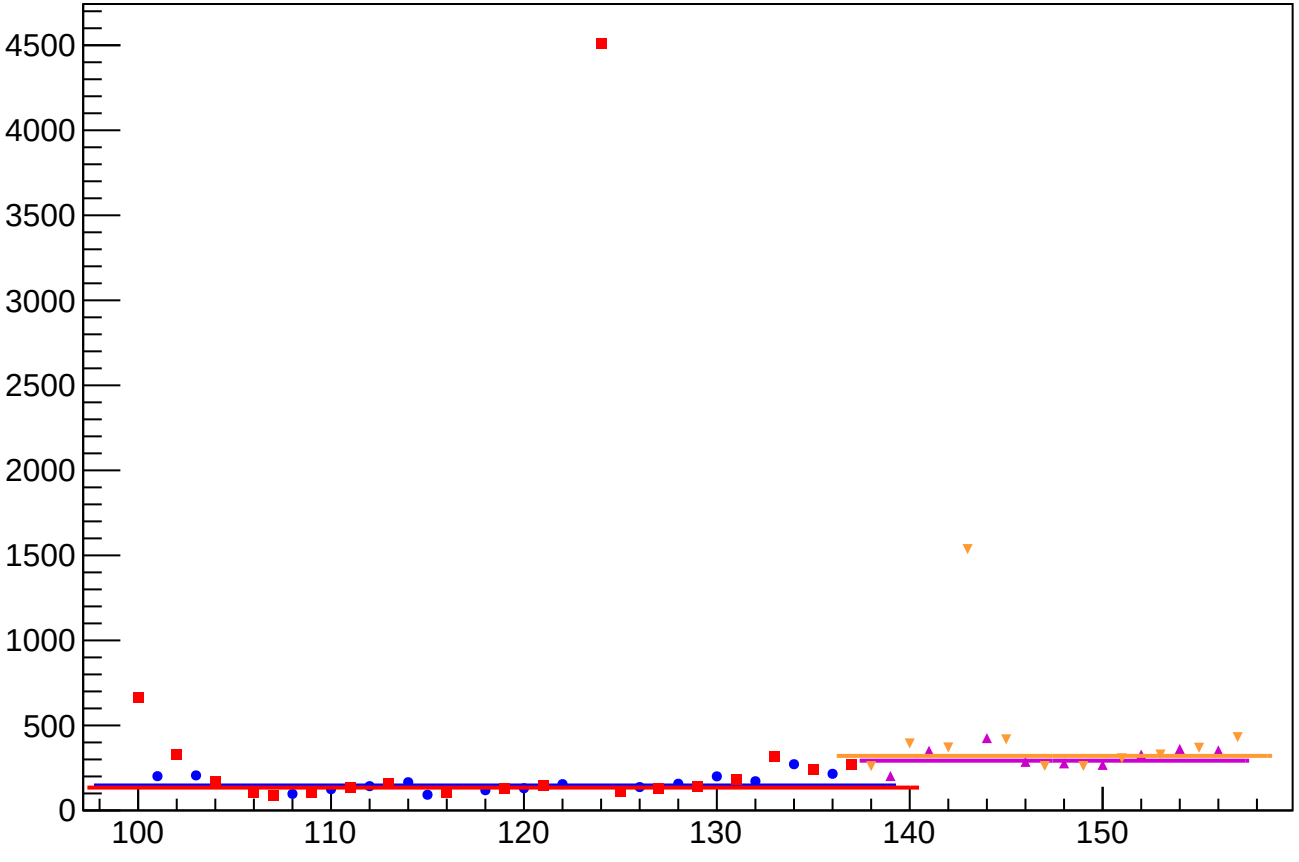
Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

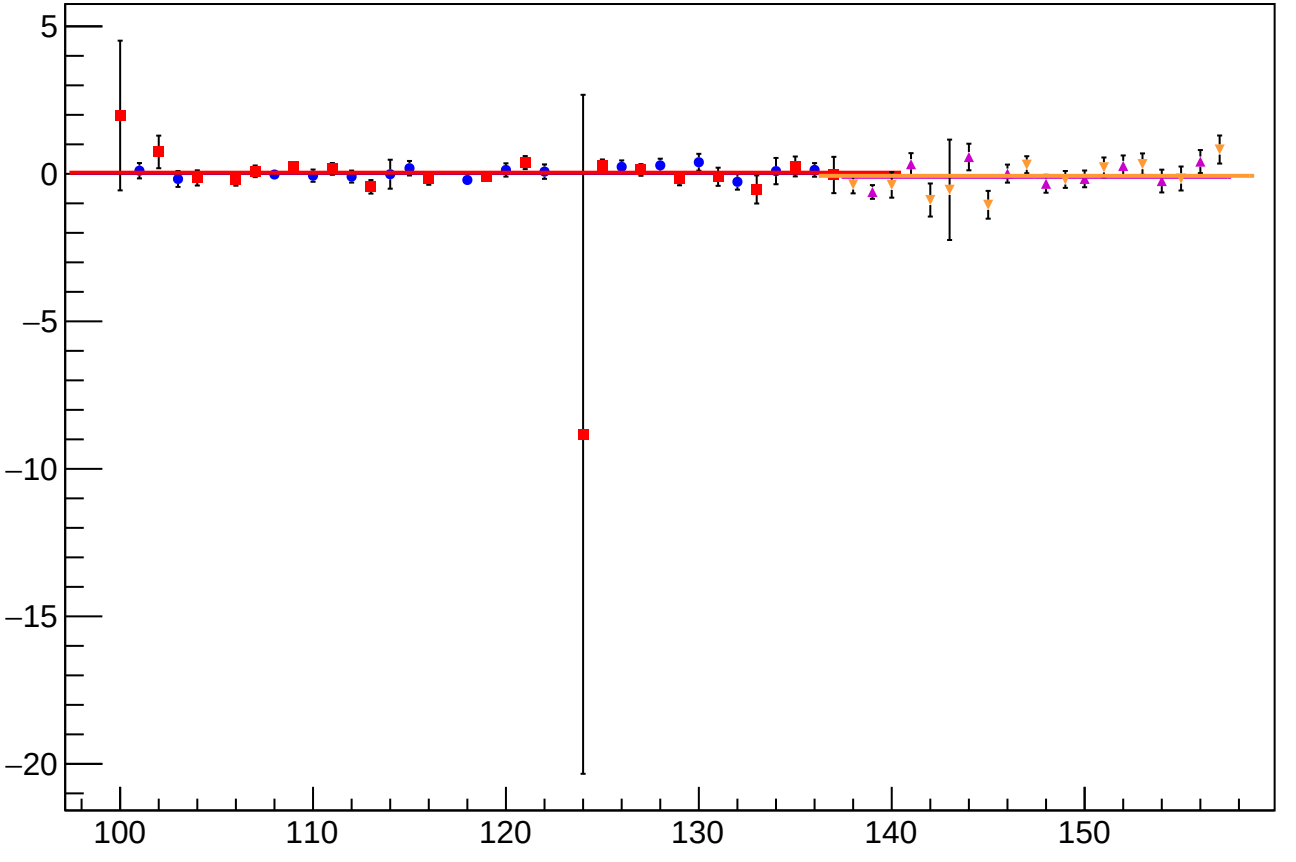
Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

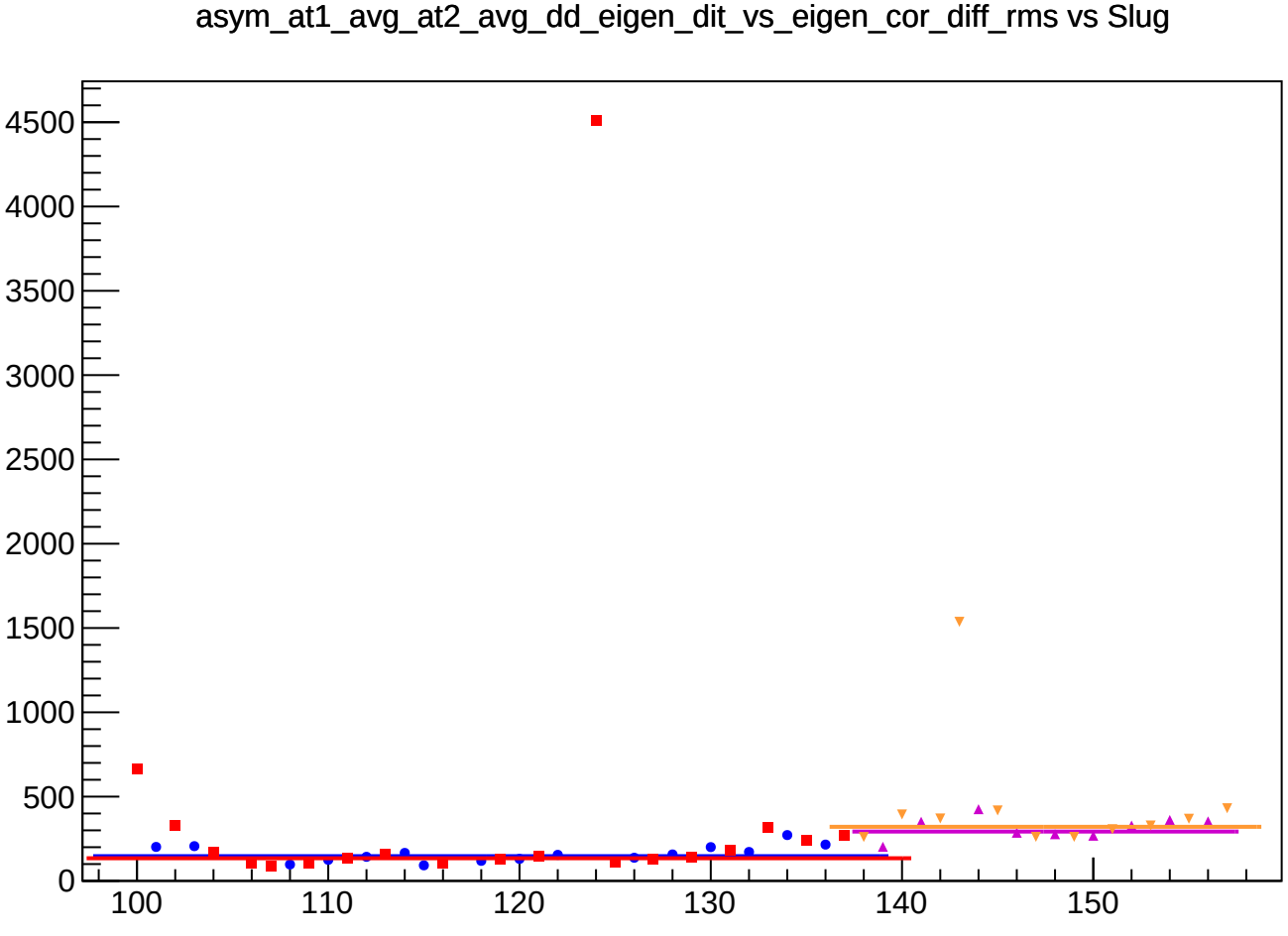
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

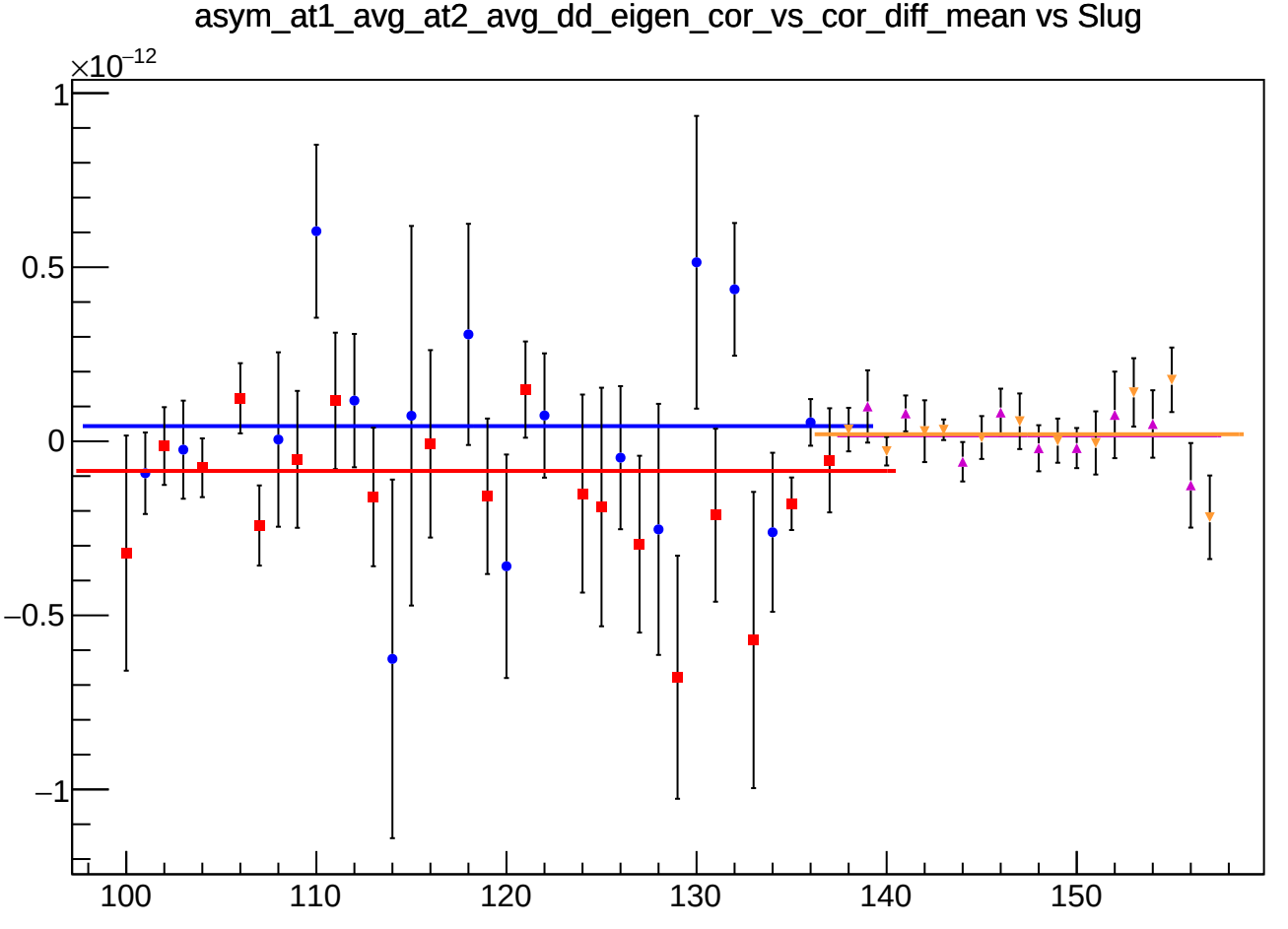
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

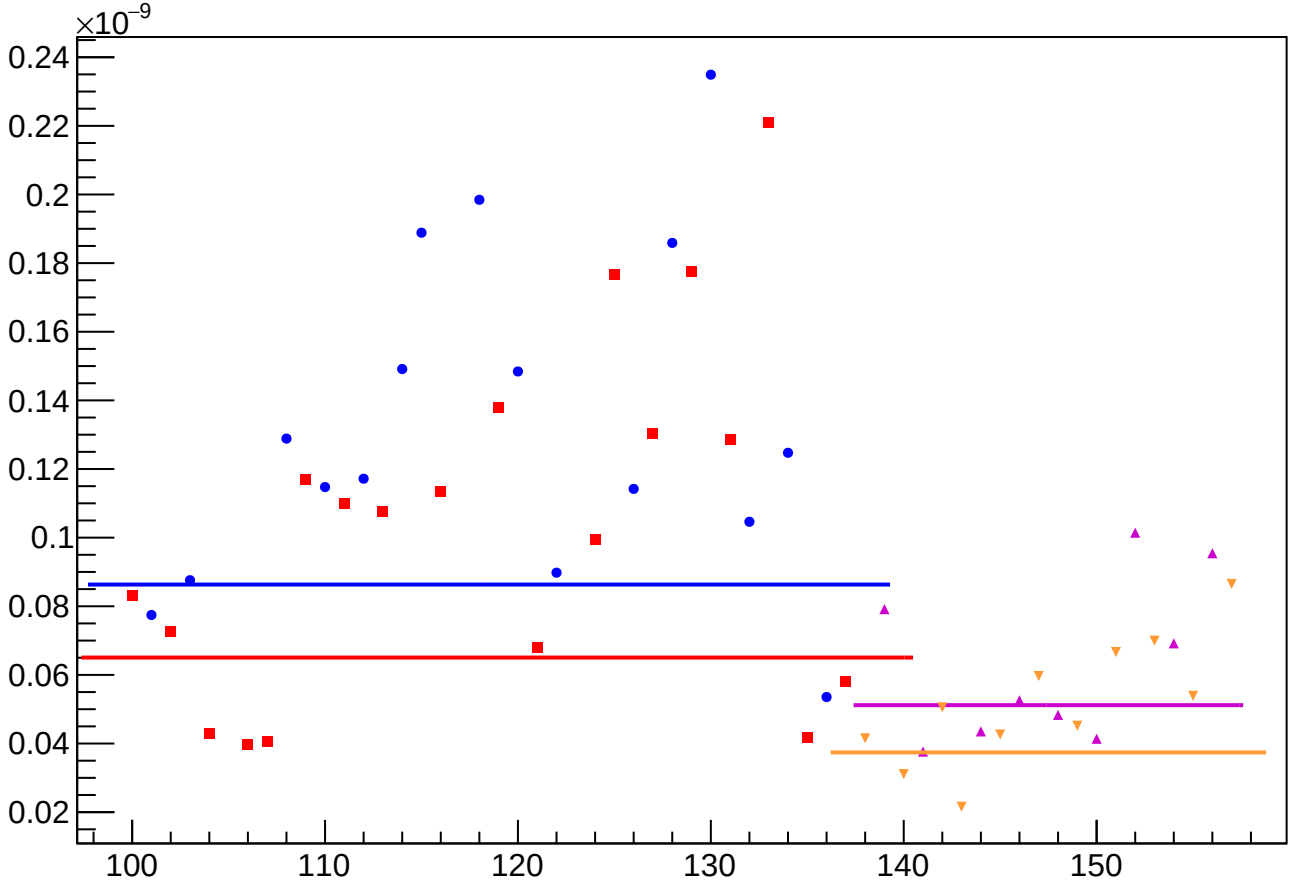
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.5/54

- sign -0.000+/-0.000 χ^2/NDF: 31.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

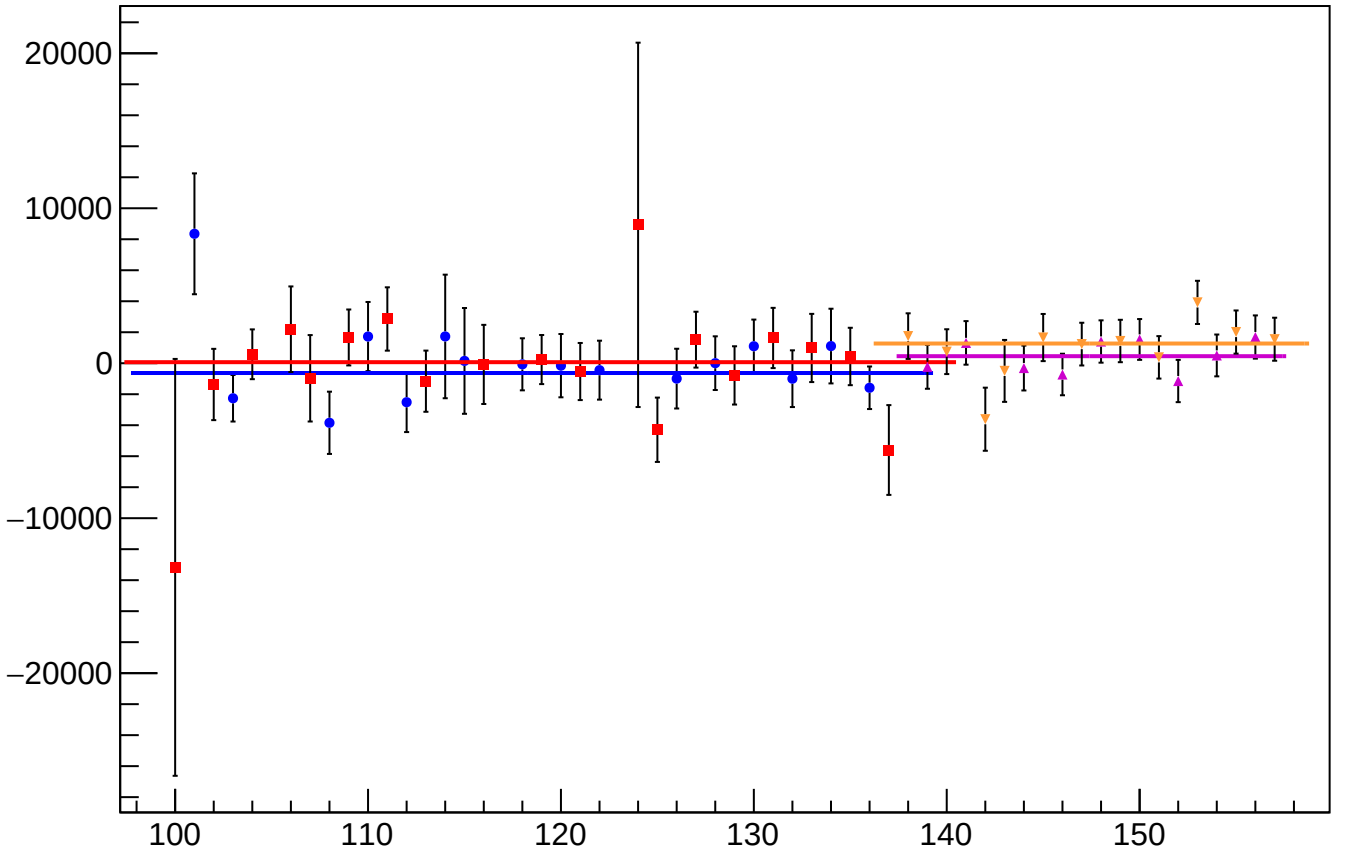
Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1043638.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9305543.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3423734.0/27



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.584+/-446.901 χ^2/NDF:11.2/10

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

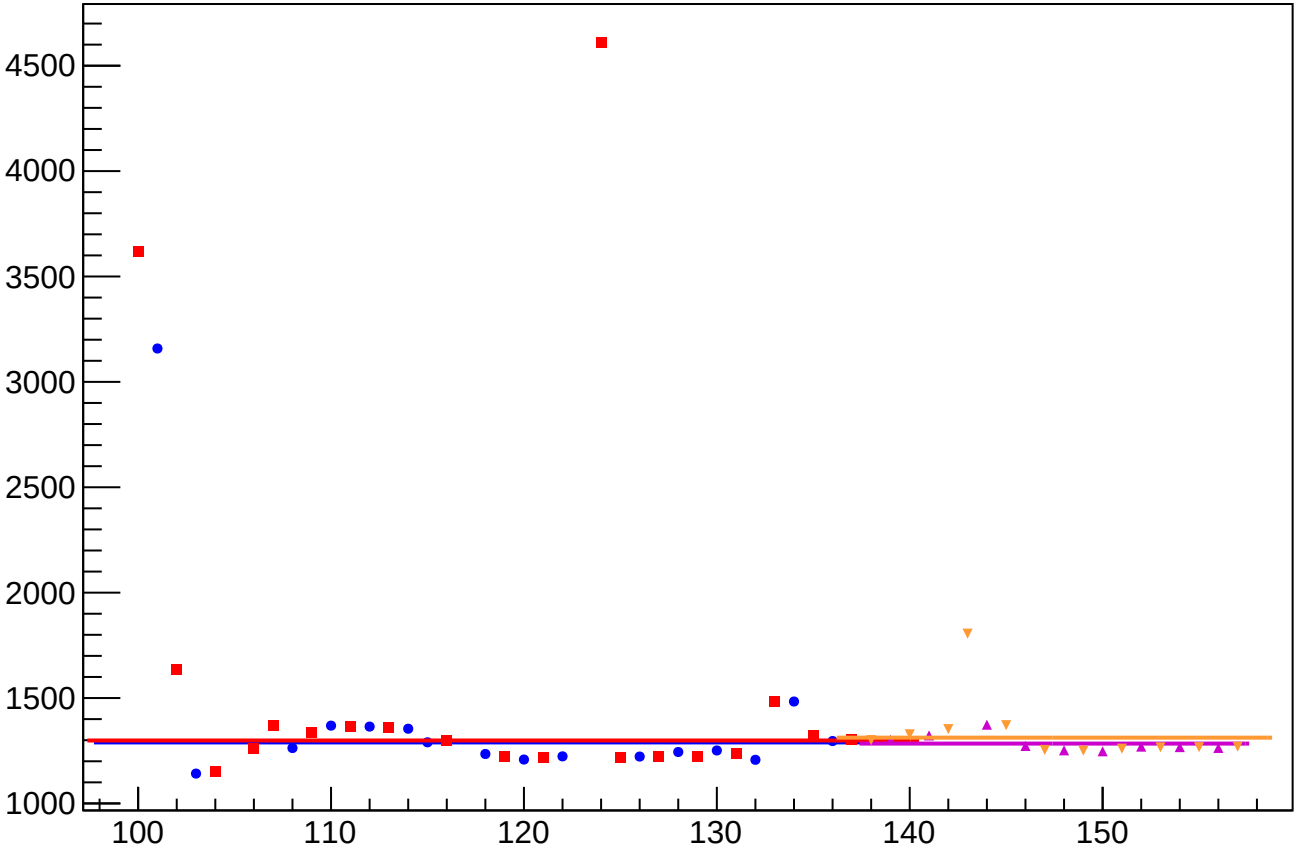
Left In: 454.527+/-458.666 χ^2/NDF:5.0/8

+ sign 405.032+/-329.784 χ^2/NDF: 33.4/26

All: 339.866+/-234.717 χ^2/NDF: 54.7/54

- sign 272.967+/-334.138 χ^2/NDF: 21.2/27

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

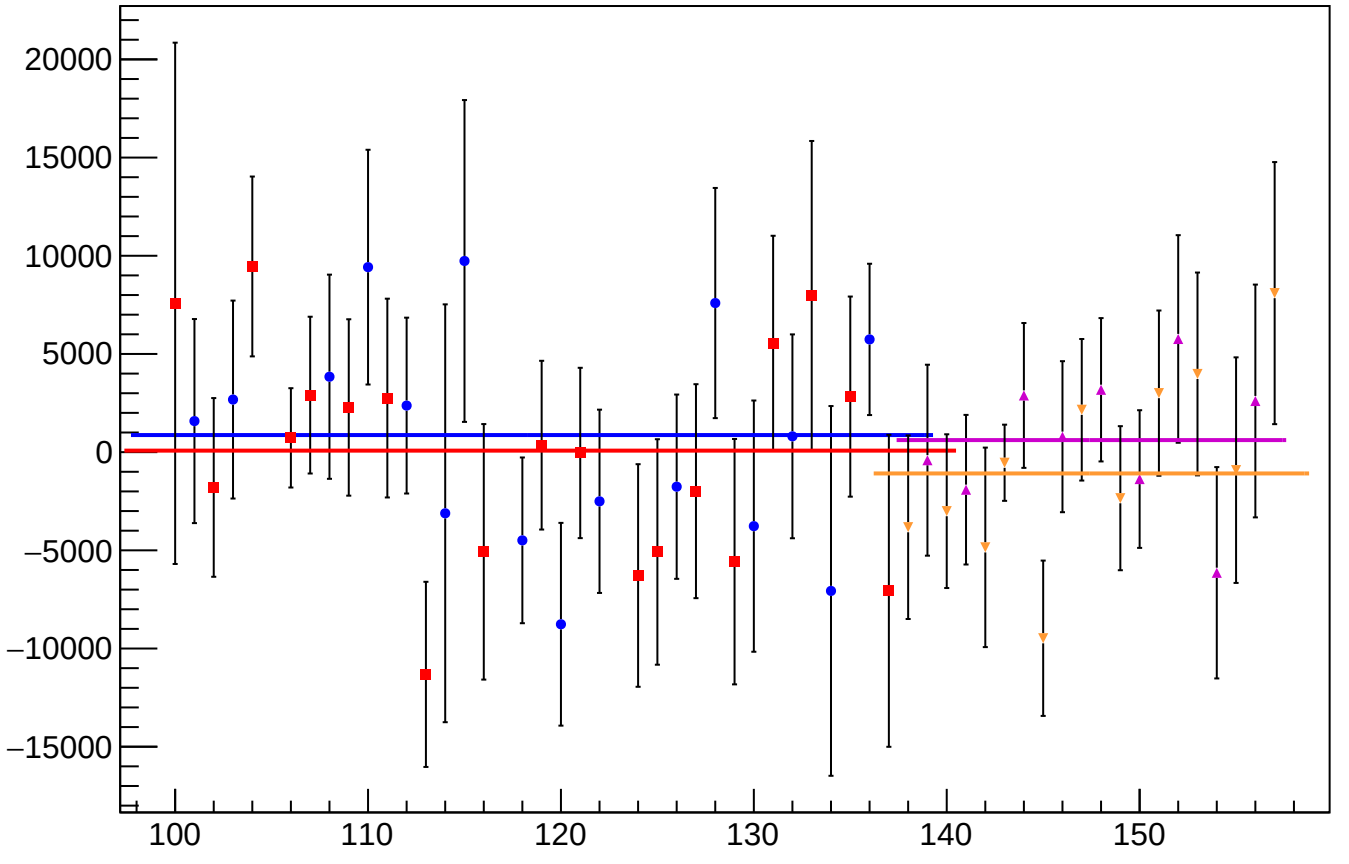
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659768.6/26

All: 1296.387+/-0.166 χ^2/NDF: 994459.7/54

- sign 1290.845+/-0.236 χ^2/NDF: 333600.8/27



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1084.819+/-1133.980 χ^2/NDF:10.4/10

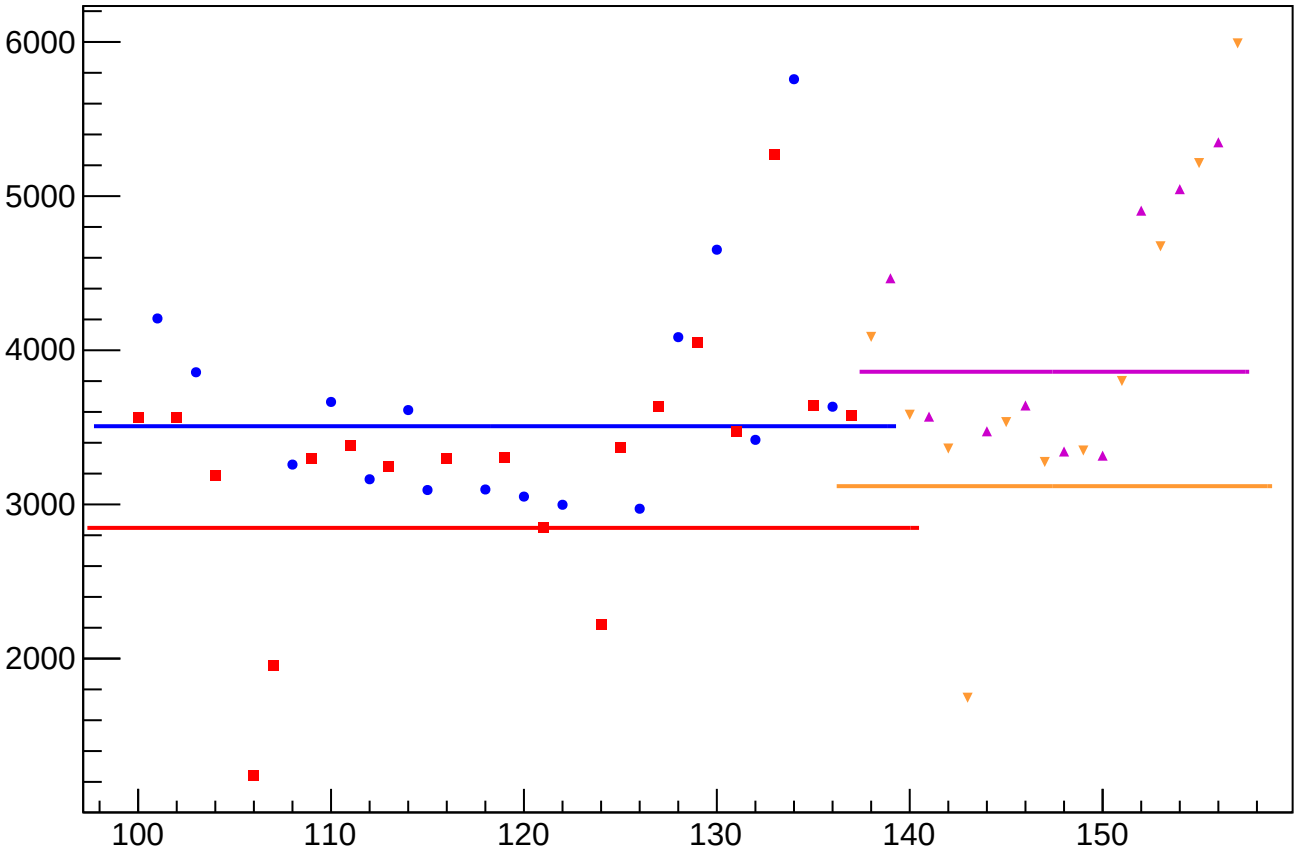
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 613.837+/-1403.529 χ^2/NDF:4.3/8

+ sign -258.429+/-861.615 χ^2/NDF: 25.7/26

All: 9.808+/-612.597 χ^2/NDF: 48.7/54

- sign 284.015+/-871.149 χ^2/NDF: 22.8/27



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3118.453+/-0.802 χ^2/NDF:2024690.3/10

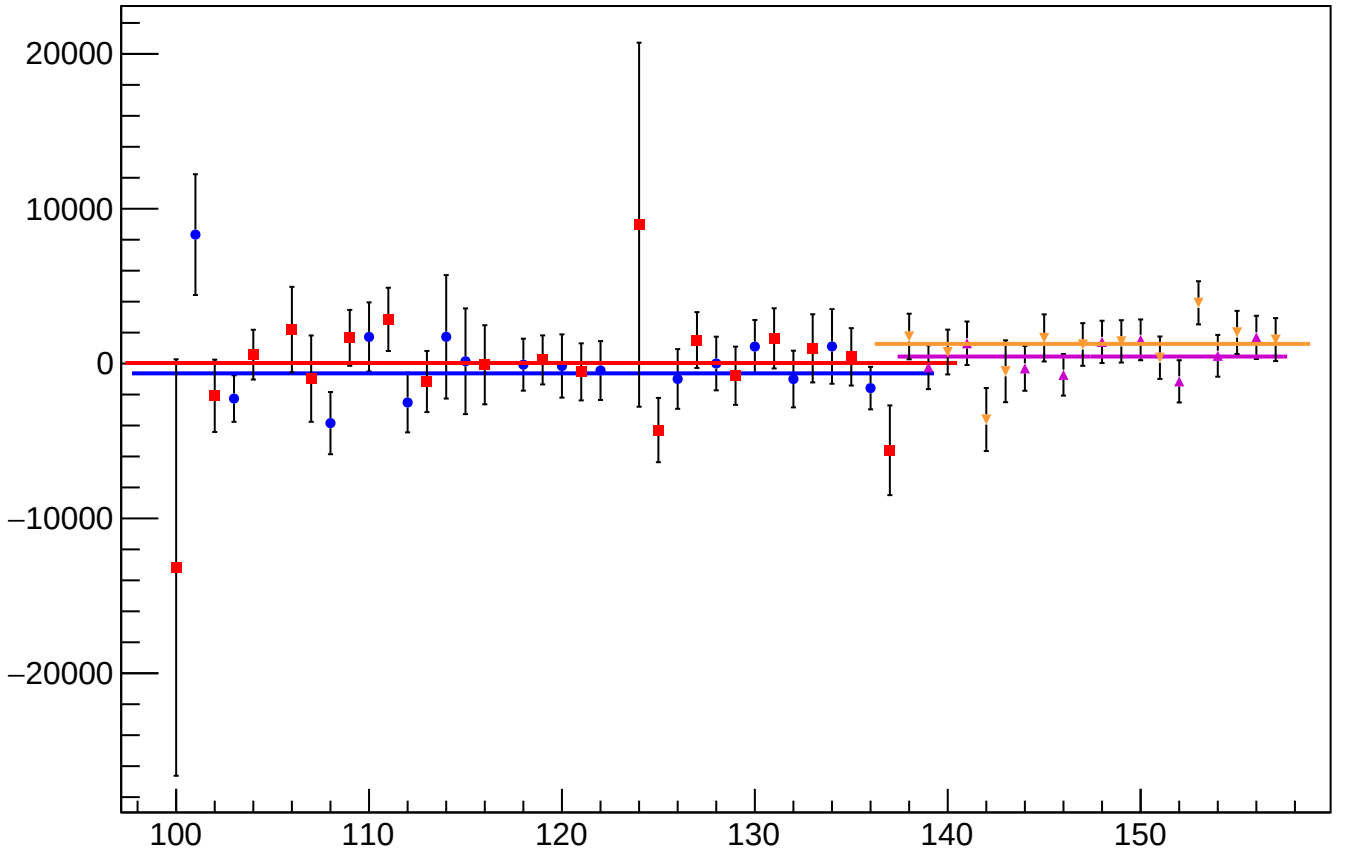
Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3860.635+/-0.992 χ^2/NDF:460841.9/8

+ sign 3282.852+/-0.609 χ^2/NDF: 2478119.9/26

All: 3260.680+/-0.433 χ^2/NDF: 5081242.5/54

- sign 3238.014+/-0.616 χ^2/NDF: 2600444.3/27



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

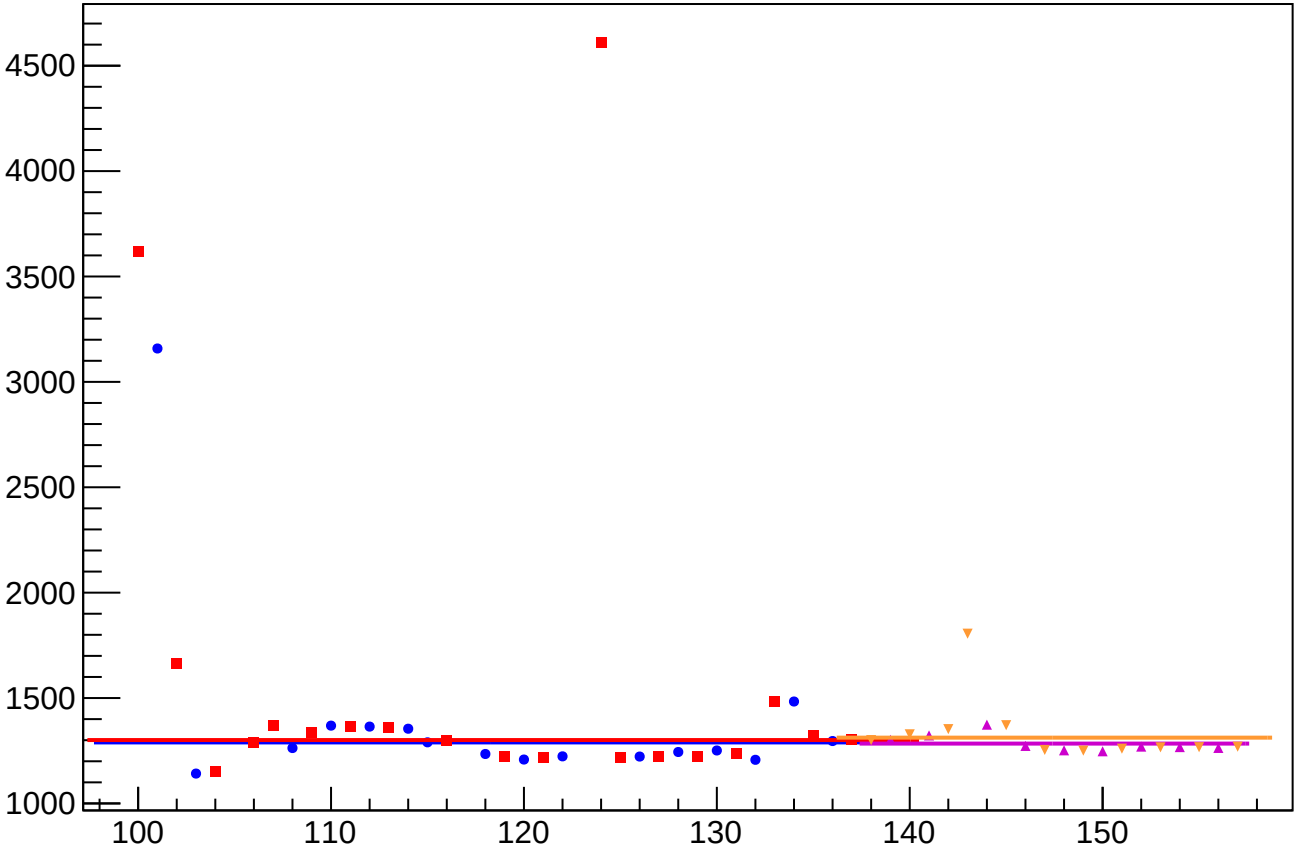
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

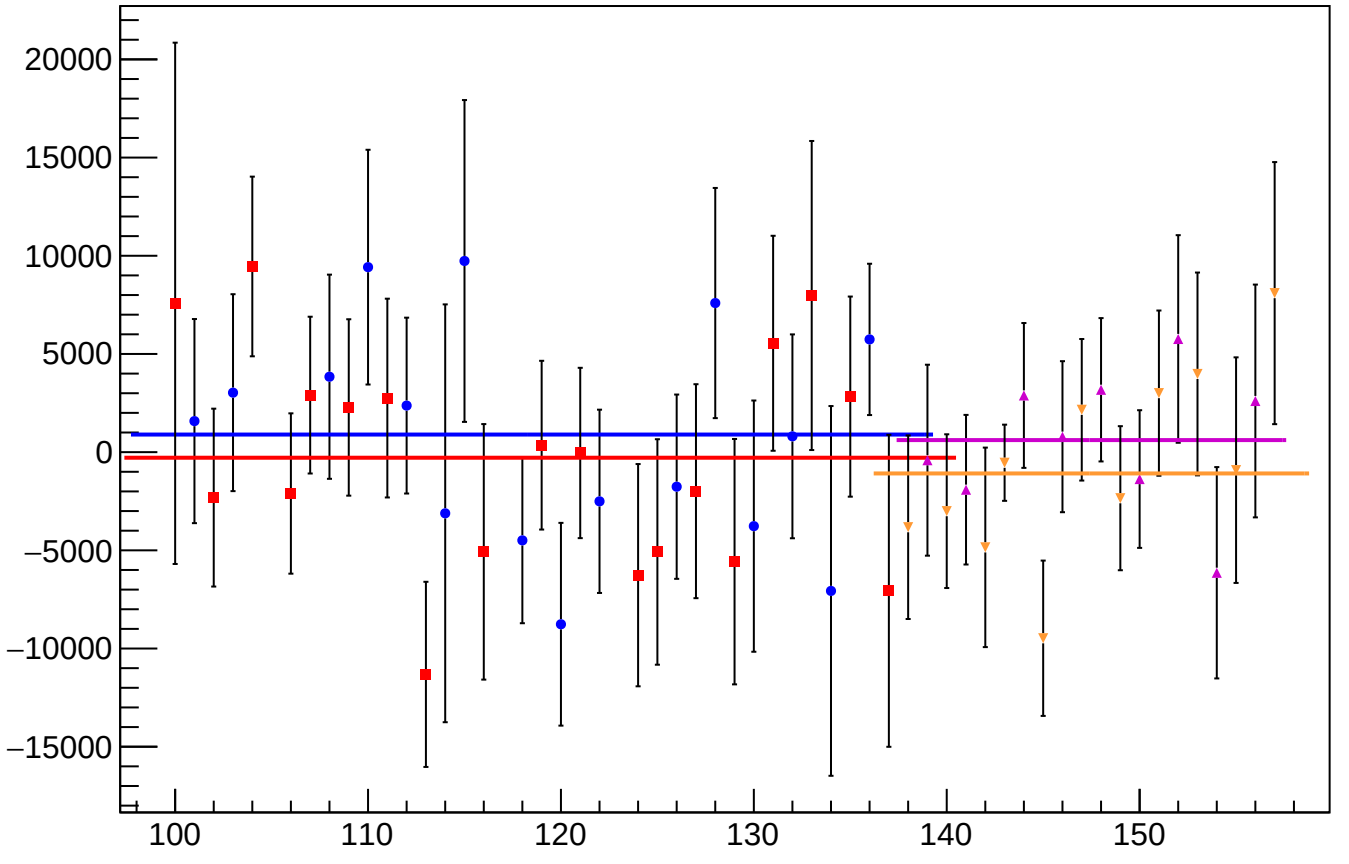
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1084.750+/-1133.977 χ^2/NDF:10.4/10

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

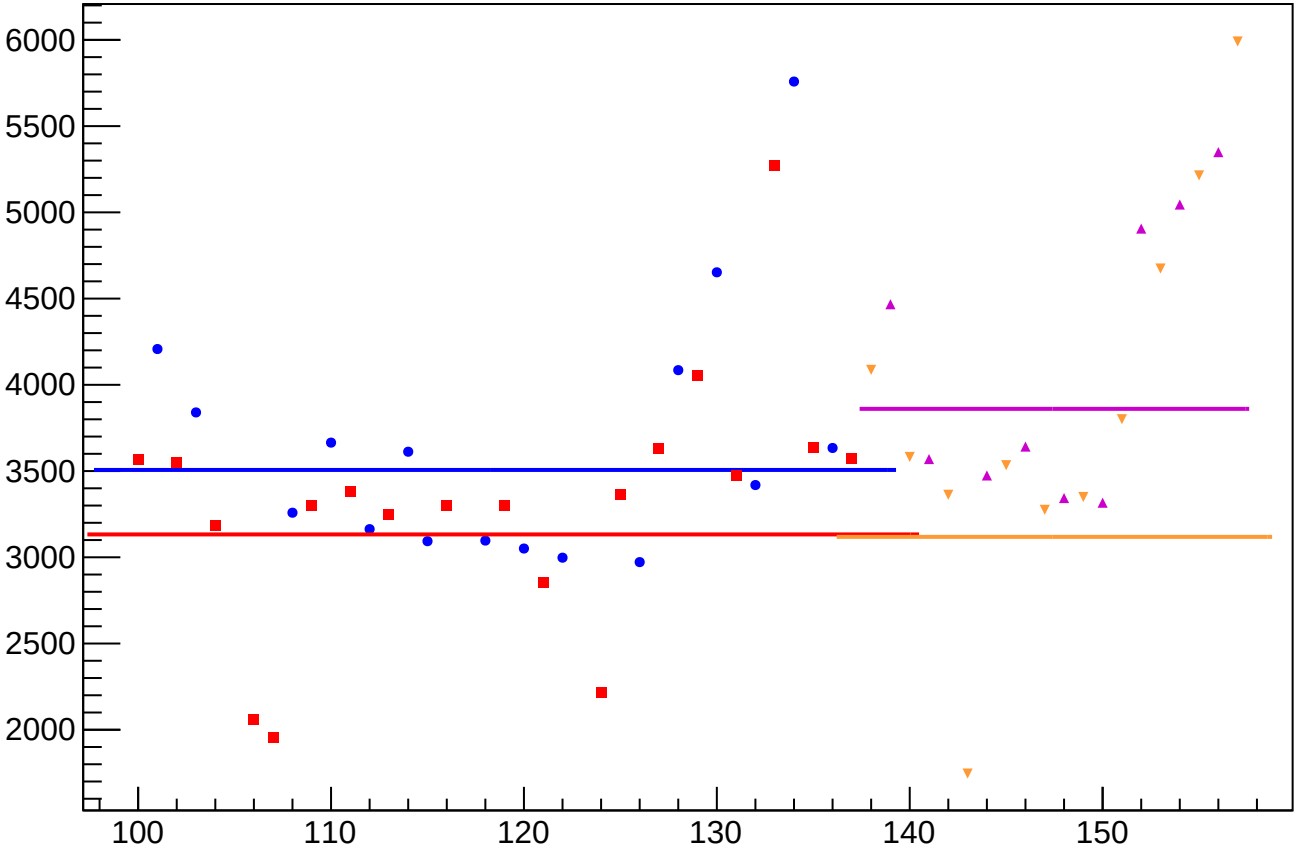
Left In: 613.900+/-1403.527 χ^2/NDF:4.3/8

\+ sign -247.188+/-861.489 χ^2/NDF: 25.8/26

All: -87.284+/-623.856 χ^2/NDF: 49.1/54

\- sign 89.033+/-904.623 χ^2/NDF: 23.2/27

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

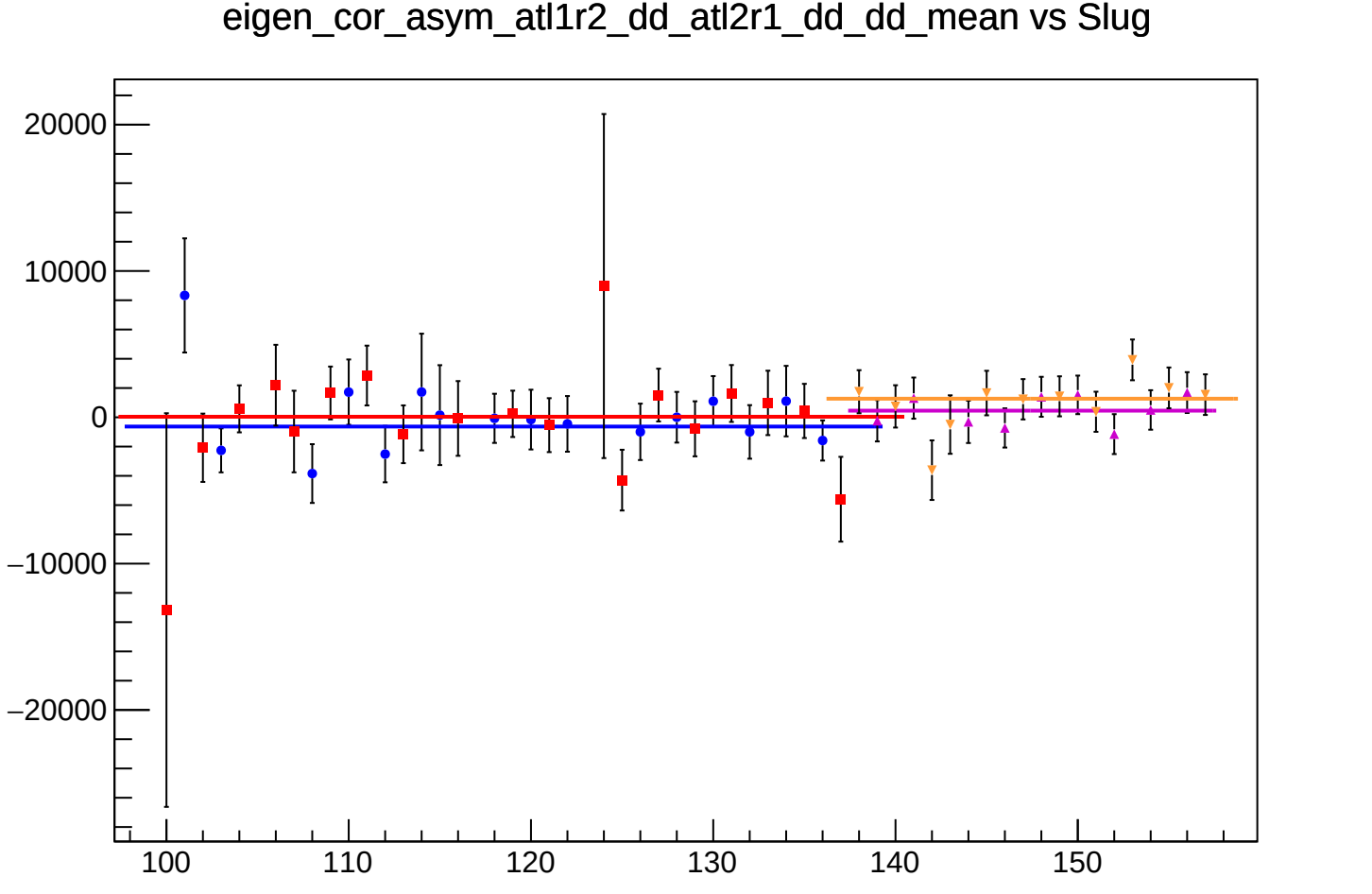
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

\- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1271.563+/-446.901 χ^2/NDF:11.2/10

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

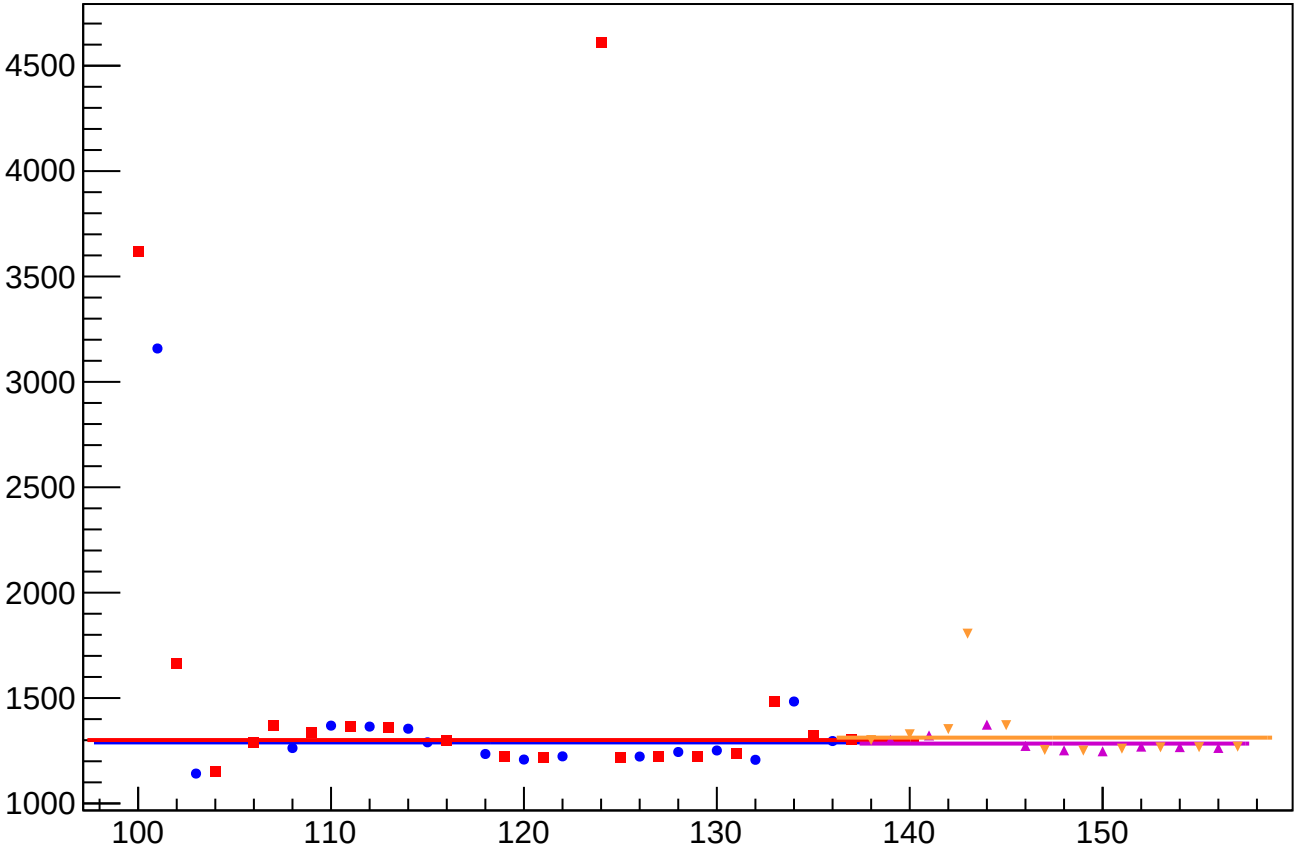
Left In: 454.507+/-458.666 χ^2/NDF:5.0/8

+ sign 404.846+/-329.784 χ^2/NDF: 33.4/26

All: 333.137+/-234.753 χ^2/NDF: 55.2/54

- sign 259.476+/-334.242 χ^2/NDF: 21.7/27

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1312.115+/-0.316 χ^2/NDF:142754.0/10

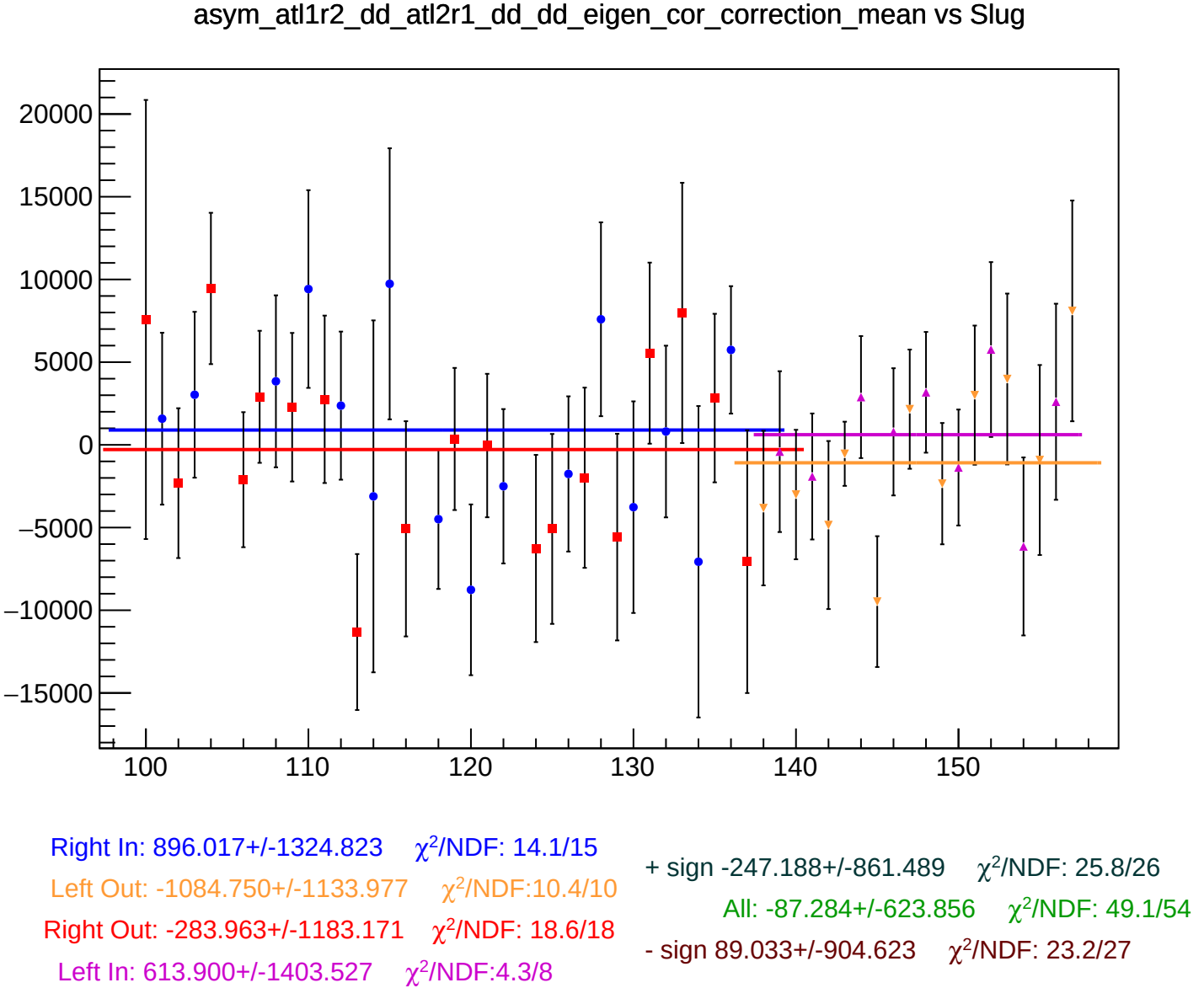
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

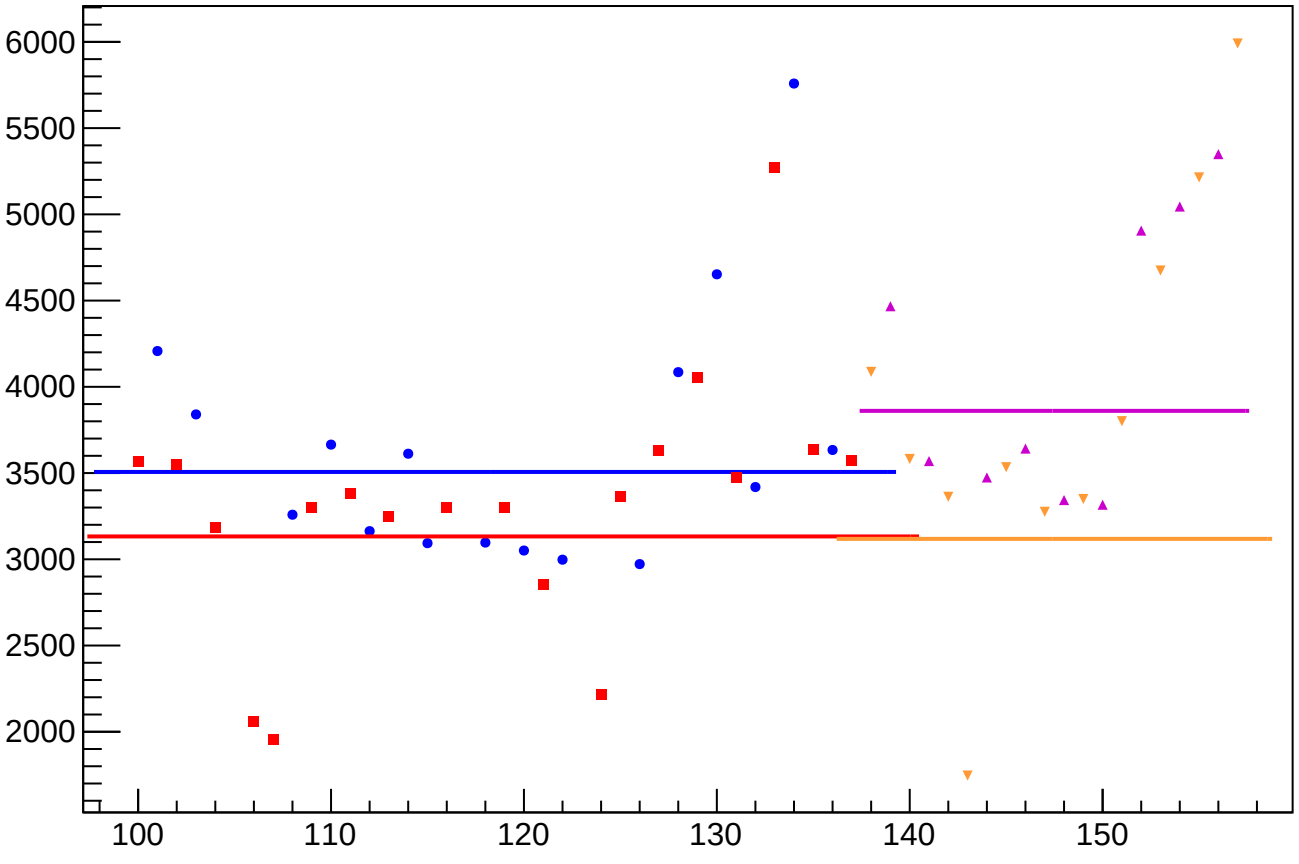
Left In: 1283.902+/-0.324 χ^2/NDF:13252.2/8

+ sign 1301.800+/-0.233 χ^2/NDF: 659770.1/26

All: 1296.856+/-0.166 χ^2/NDF: 1001098.1/54

- sign 1291.788+/-0.236 χ^2/NDF: 340417.9/27


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1084.750+/-1133.977 χ²/NDF:10.4/10
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 613.900+/-1403.527 χ²/NDF:4.3/8
+ sign -247.188+/-861.489 χ²/NDF: 25.8/26
All: -87.284+/-623.856 χ²/NDF: 49.1/54
- sign 89.033+/-904.623 χ²/NDF: 23.2/27



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3118.442+/-0.802 χ^2/NDF:2024712.1/10

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

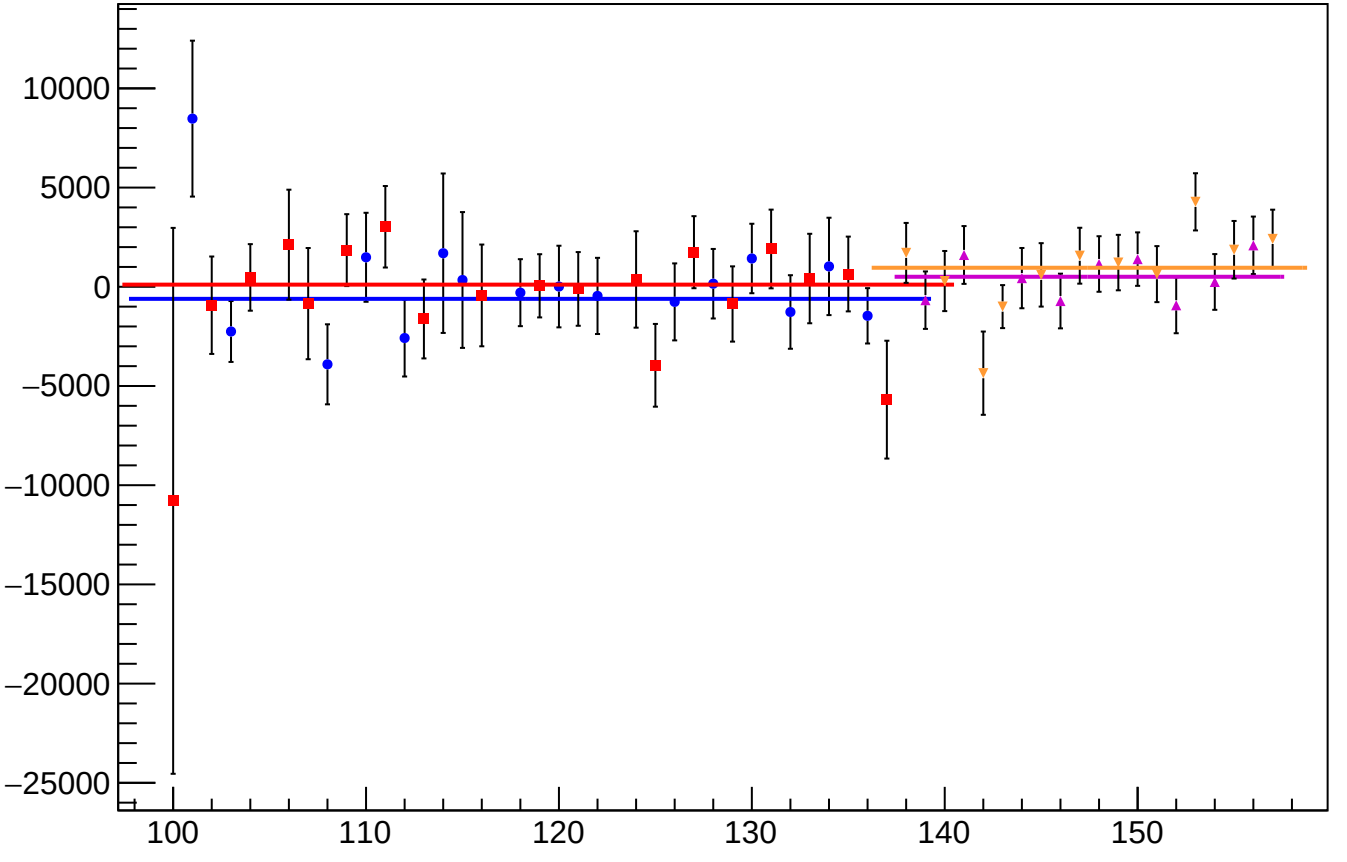
Left In: 3860.630+/-0.992 χ^2/NDF:460842.4/8

\+ sign 3282.525+/-0.609 χ^2/NDF: 2476978.6/26

All: 3355.057+/-0.441 χ^2/NDF: 3931830.0/54

\- sign 3435.034+/-0.640 χ^2/NDF: 1425041.7/27

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.320+/-435.286 χ^2/NDF:17.1/10

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

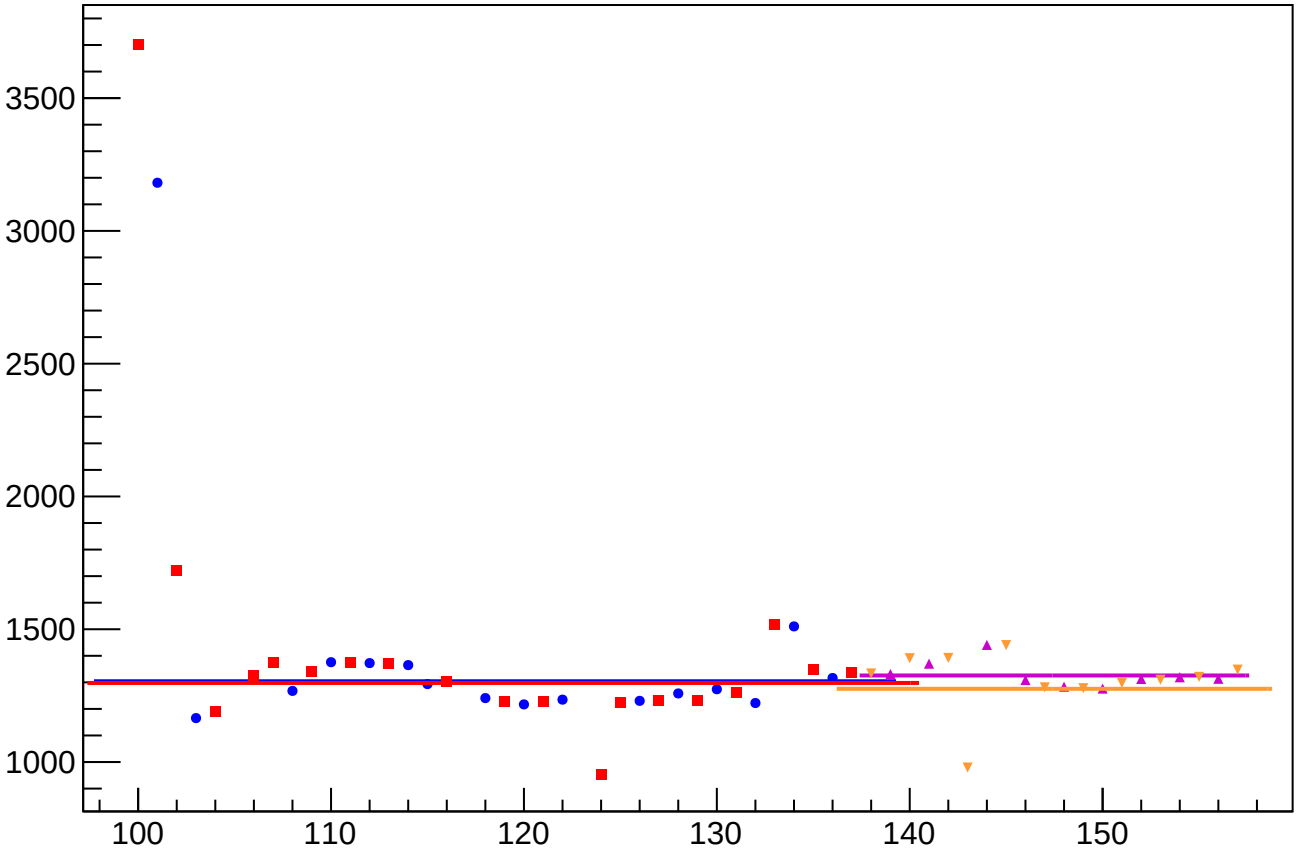
Left In: 505.192+/-473.786 χ^2/NDF:4.9/8

+ sign 274.649+/-326.642 χ^2/NDF: 36.9/26

All: 292.513+/-235.252 χ^2/NDF: 57.0/54

- sign 311.766+/-339.101 χ^2/NDF: 20.1/27

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1275.710+/-0.308 χ^2/NDF:199772.2/10

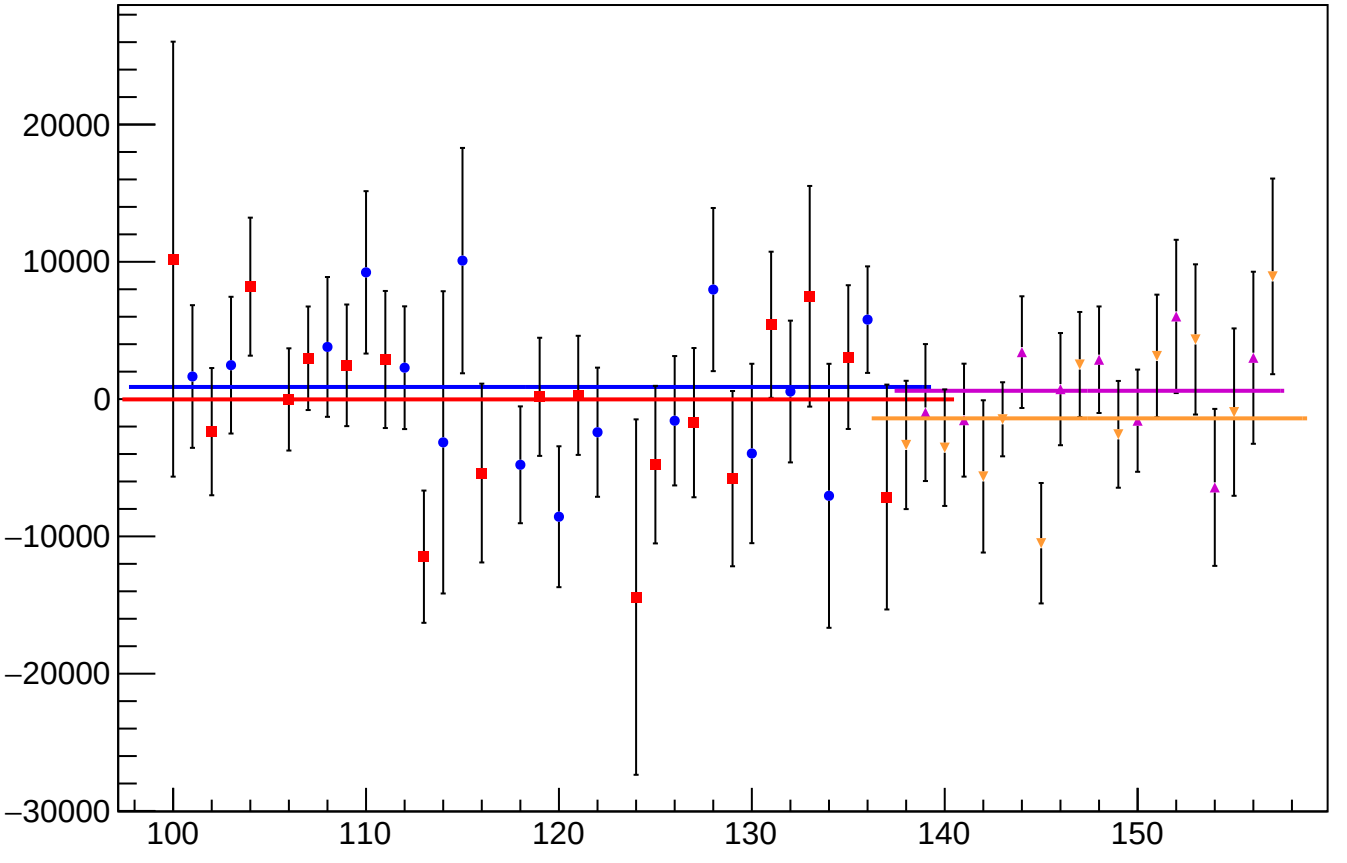
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.912+/-0.335 χ^2/NDF:18549.3/8

+ sign 1288.114+/-0.231 χ^2/NDF: 714079.2/26

All: 1299.705+/-0.166 χ^2/NDF: 954393.9/54

- sign 1312.188+/-0.240 χ^2/NDF: 235084.0/27



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1402.344+/-1304.423 χ^2/NDF:10.7/10

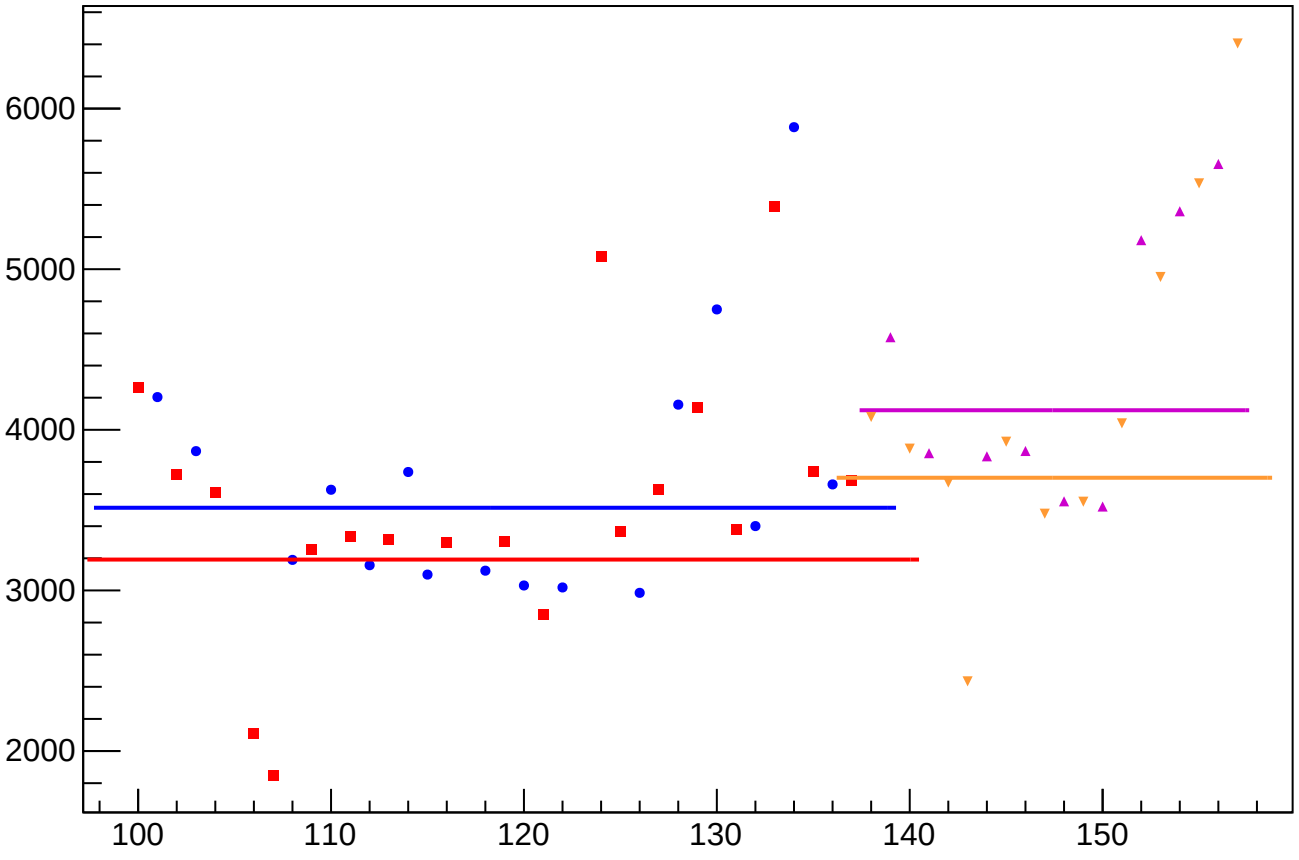
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 605.876+/-1496.897 χ^2/NDF:4.1/8

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.920+/-659.959 χ^2/NDF: 47.5/54

- sign 224.450+/-936.292 χ^2/NDF: 21.1/27



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3701.556+/-0.922 χ^2/NDF:1058092.4/10

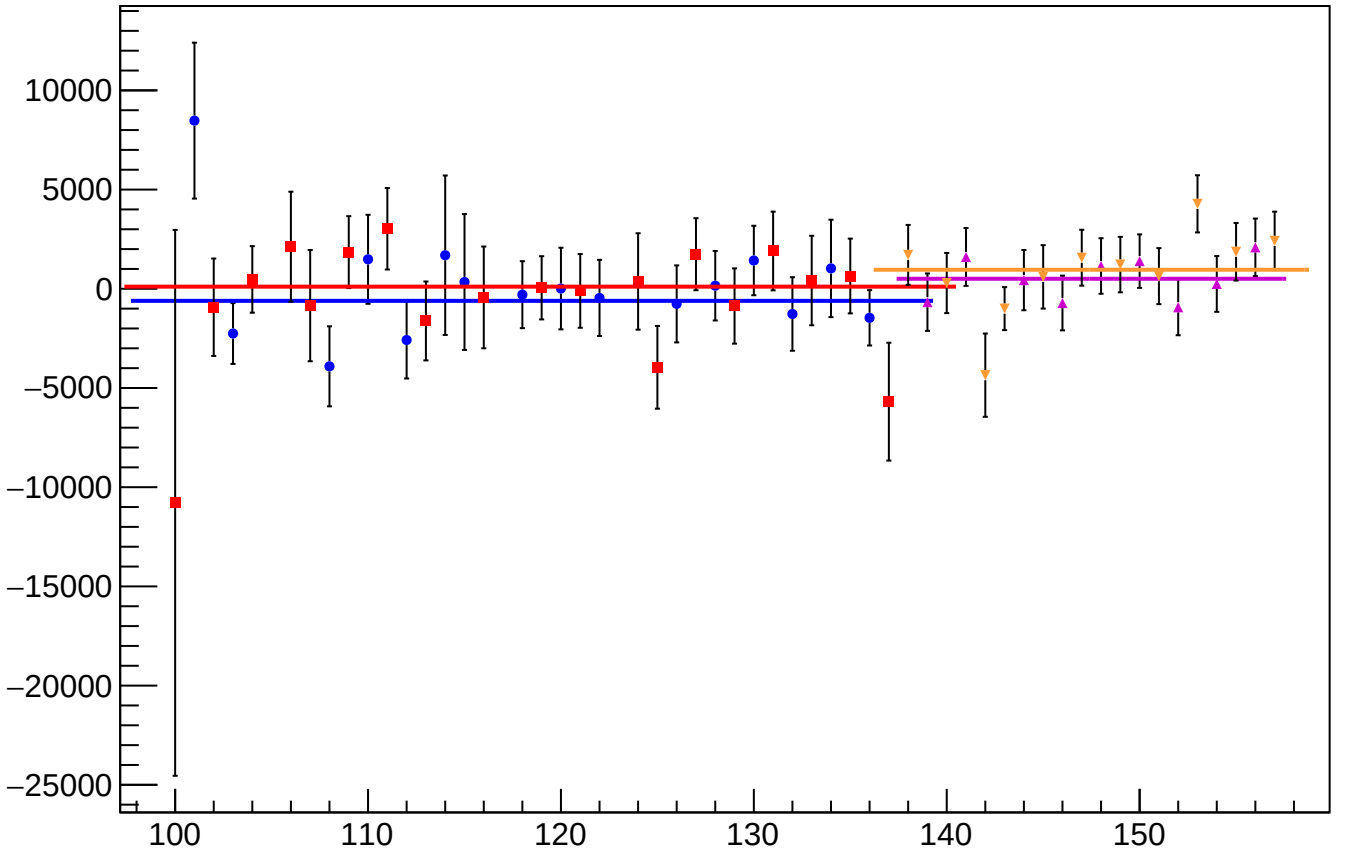
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4121.849+/-1.058 χ^2/NDF:422854.0/8

+ sign 3609.781+/-0.658 χ^2/NDF: 1453322.9/26

All: 3583.018+/-0.467 χ^2/NDF: 3121605.1/54

- sign 3555.914+/-0.662 χ^2/NDF: 1664951.2/27



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 959.321+/-435.287 χ^2/NDF:17.1/10

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

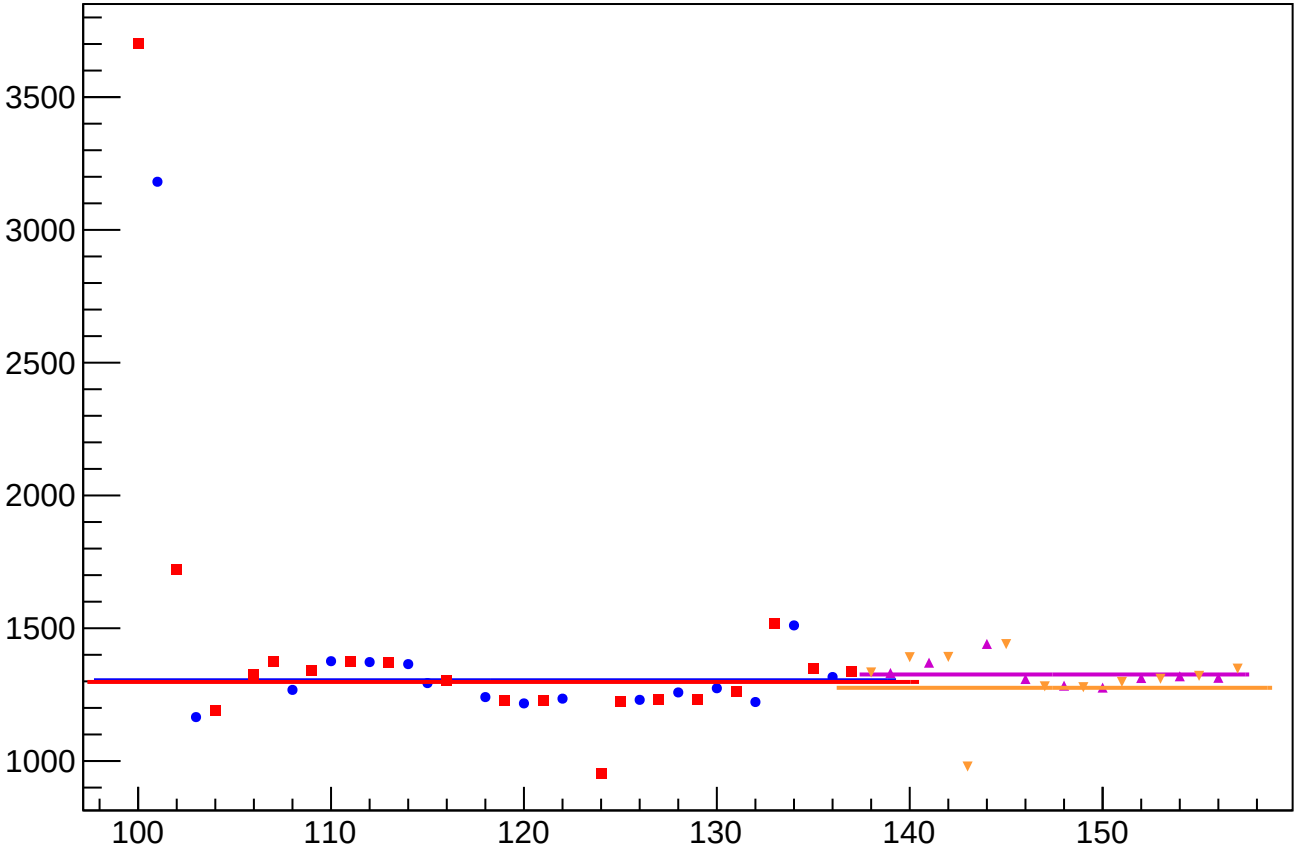
Left In: 505.191+/-473.787 χ^2/NDF:4.9/8

+ sign 274.648+/-326.642 χ^2/NDF: 36.9/26

All: 292.514+/-235.252 χ^2/NDF: 57.0/54

- sign 311.768+/-339.101 χ^2/NDF: 20.1/27

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1275.711+/-0.308 χ^2/NDF:199772.7/10

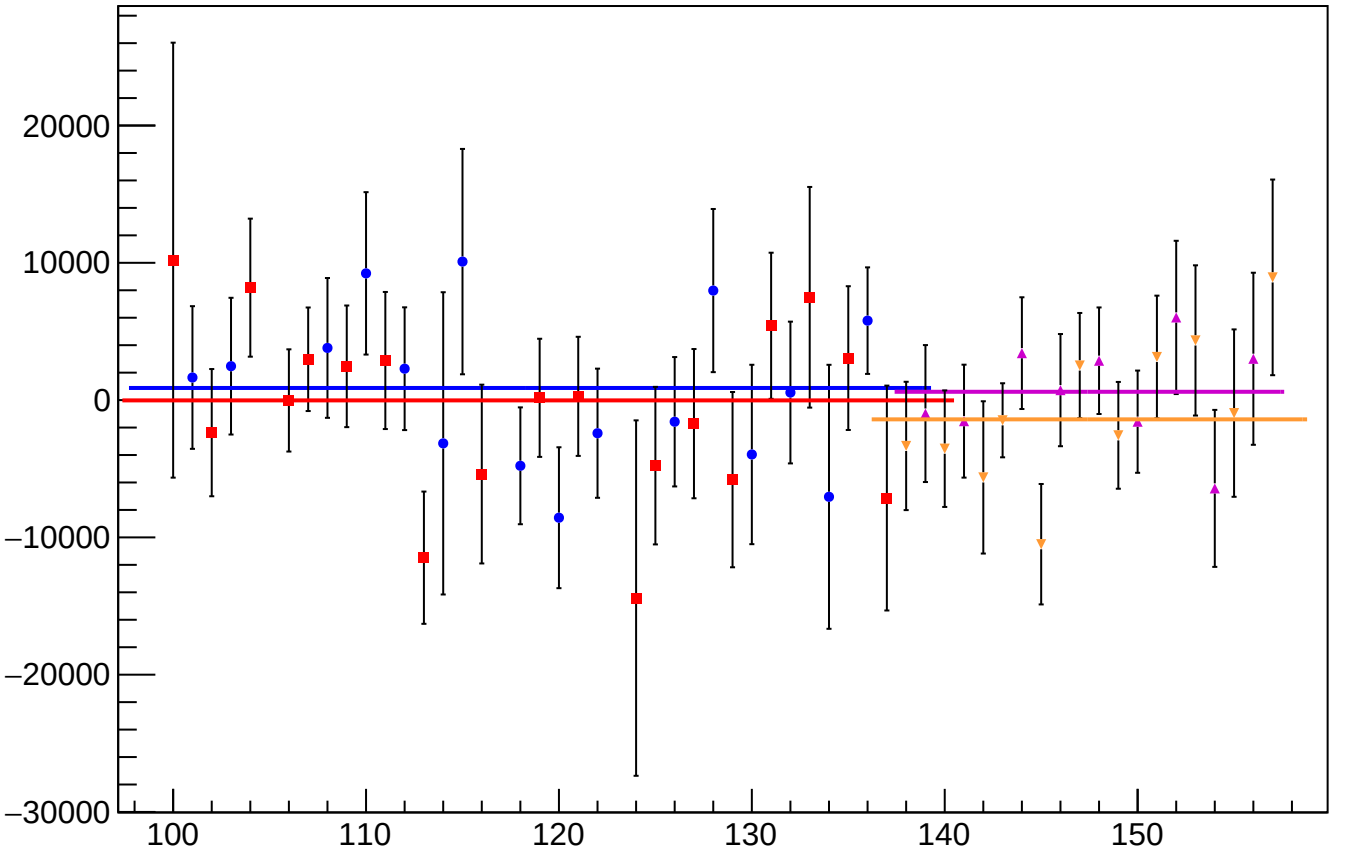
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.913+/-0.335 χ^2/NDF:18549.4/8

+ sign 1288.115+/-0.231 χ^2/NDF: 714079.5/26

All: 1299.706+/-0.166 χ^2/NDF: 954394.6/54

- sign 1312.189+/-0.240 χ^2/NDF: 235084.5/27



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1402.341+/-1304.425 χ^2/NDF:10.7/10

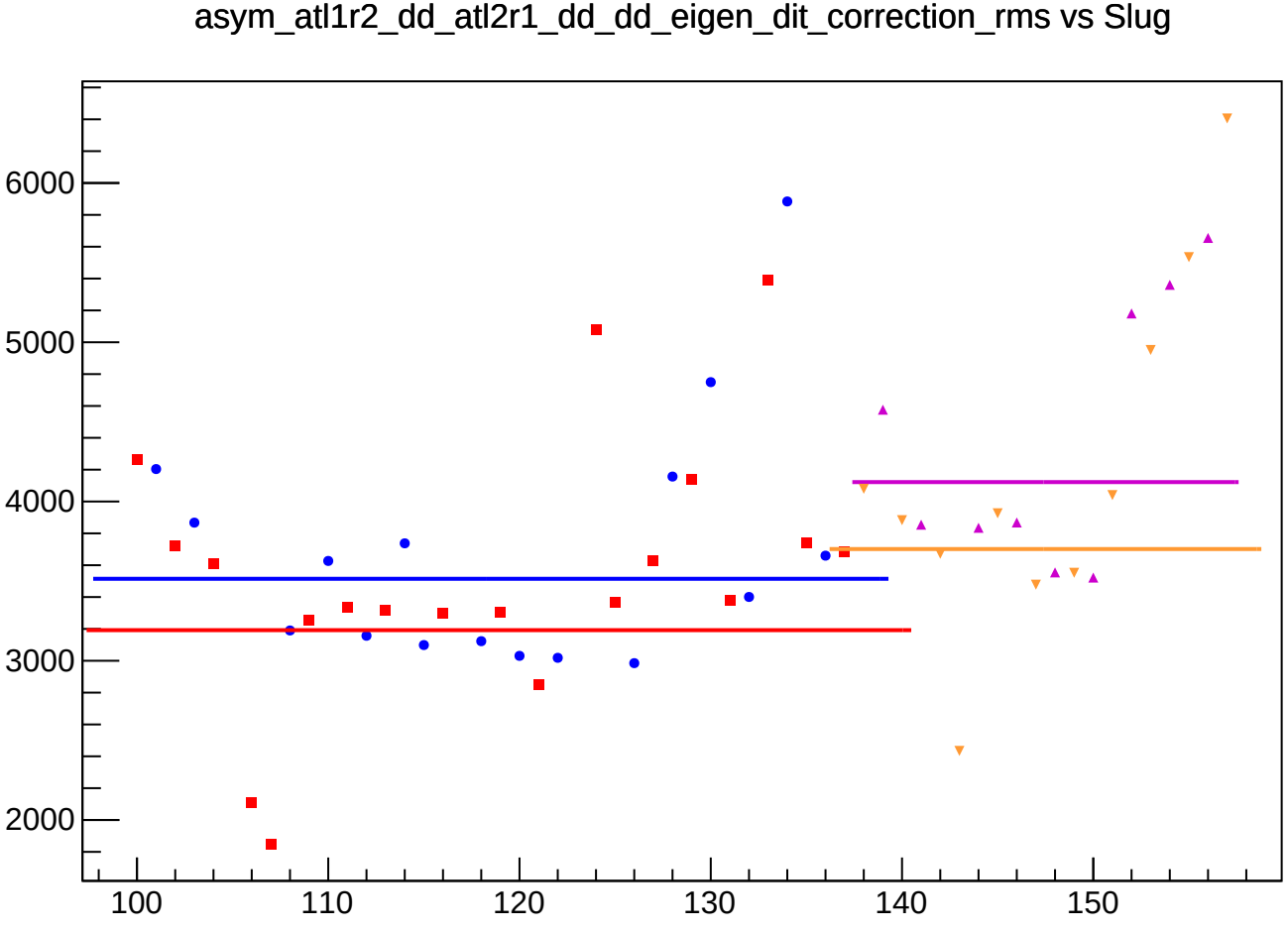
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 605.875+/-1496.899 χ^2/NDF:4.1/8

+ sign -279.102+/-930.383 χ^2/NDF: 26.3/26

All: -28.919+/-659.959 χ^2/NDF: 47.5/54

- sign 224.451+/-936.291 χ^2/NDF: 21.1/27



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3701.561+/-0.922 χ^2/NDF:1058092.4/10

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

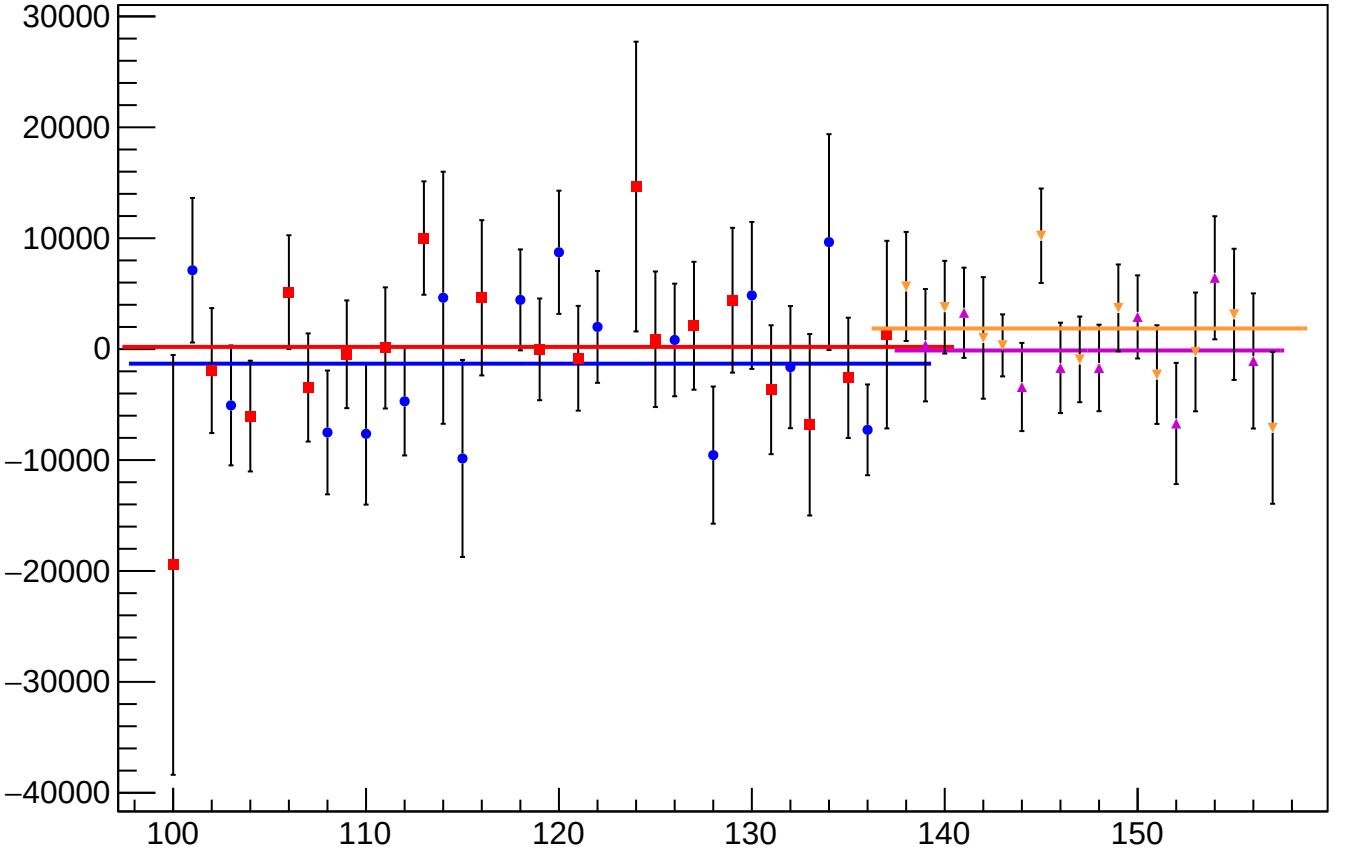
Left In: 4121.854+/-1.058 χ^2/NDF:422854.5/8

+ sign 3609.779+/-0.658 χ^2/NDF: 1453330.1/26

All: 3583.015+/-0.467 χ^2/NDF: 3121628.7/54

- sign 3555.909+/-0.662 χ^2/NDF: 1664967.3/27

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1863.162+/-1310.041 χ^2/NDF:8.5/10

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

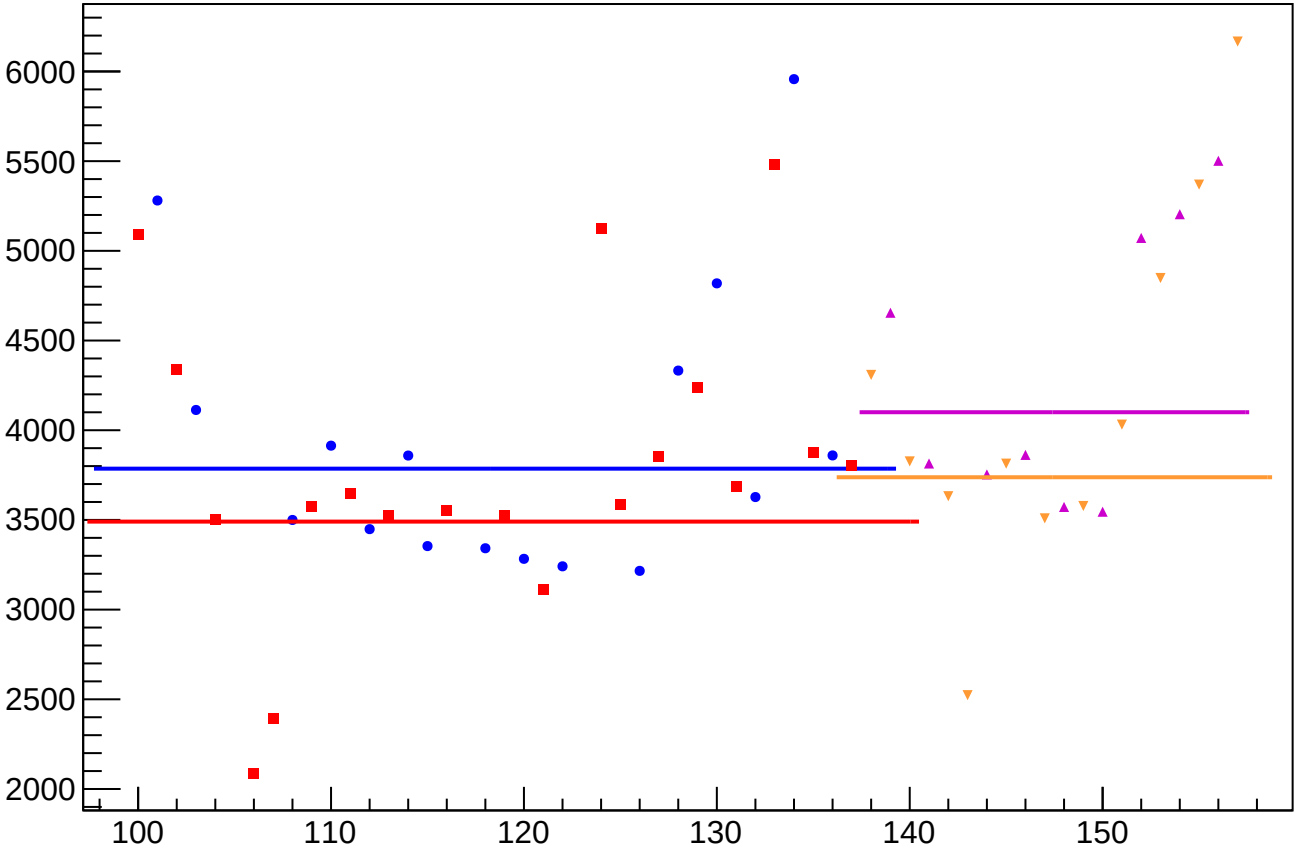
Left In: -120.099+/-1486.086 χ^2/NDF:5.2/8

\+ sign 417.320+/-966.469 χ^2/NDF: 28.8/26

All: 242.528+/-692.775 χ^2/NDF: 45.7/54

\- sign 57.800+/-993.557 χ^2/NDF: 16.9/27

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3737.868+/-0.926 χ^2/NDF:915896.8/10

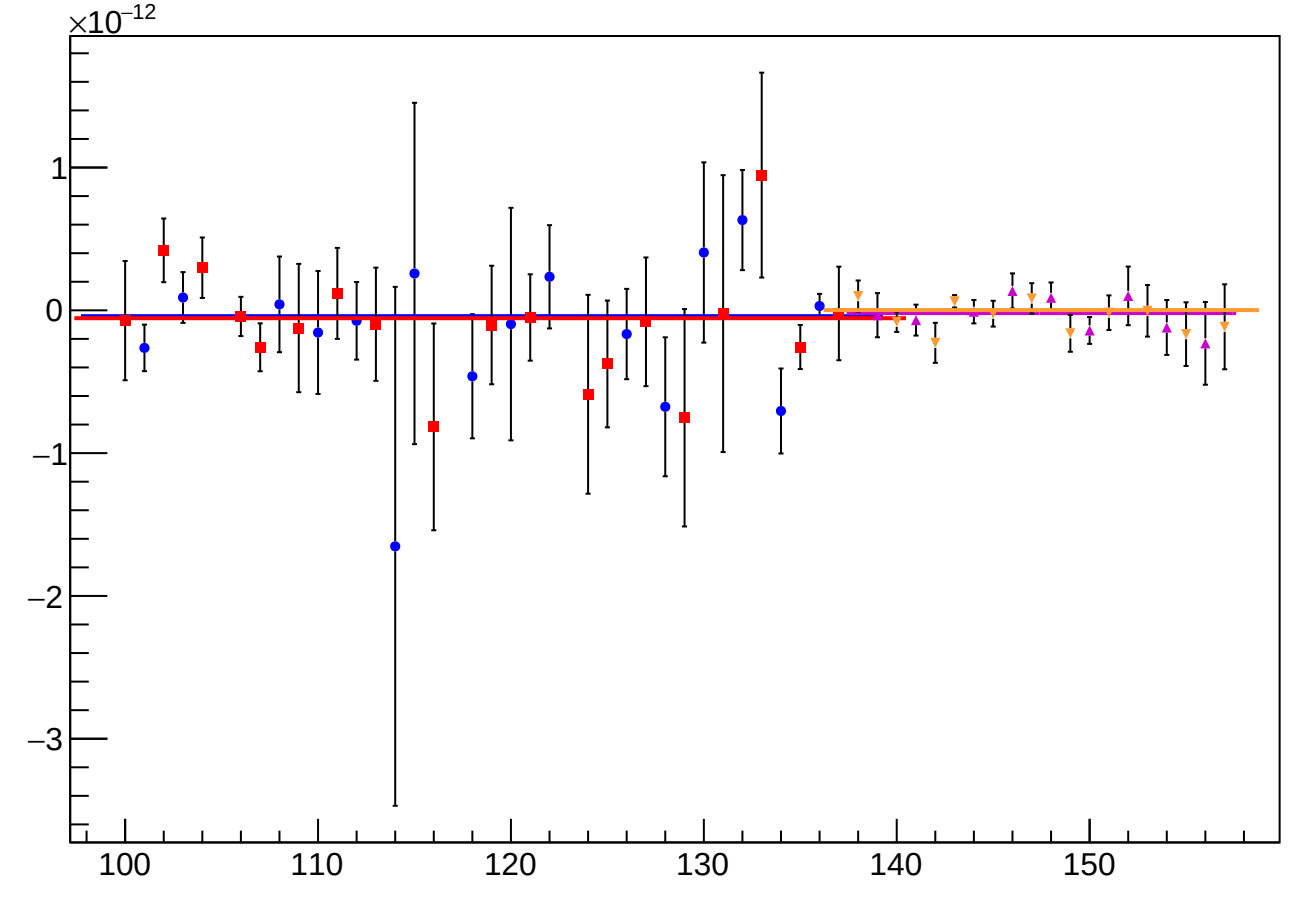
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4100.386+/-1.051 χ^2/NDF:384587.9/8

+ sign 3759.701+/-0.683 χ^2/NDF: 1300108.5/26

All: 3759.379+/-0.488 χ^2/NDF: 2459906.8/54

- sign 3759.044+/-0.697 χ^2/NDF: 1159797.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

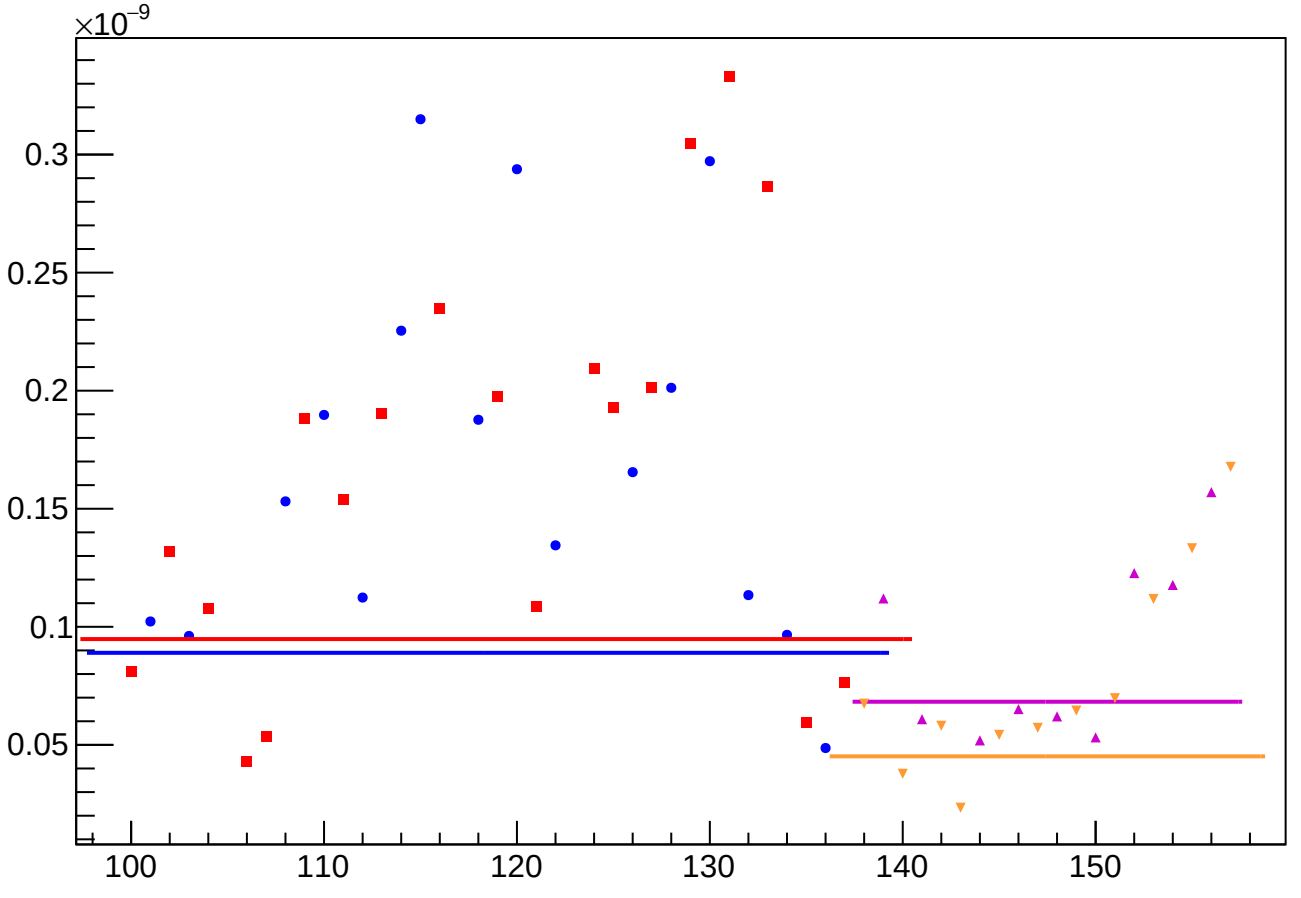
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 26.8/26

All: -0.000+/-0.000 χ^2/NDF: 48.8/54

- sign -0.000+/-0.000 χ^2/NDF: 21.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710752.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

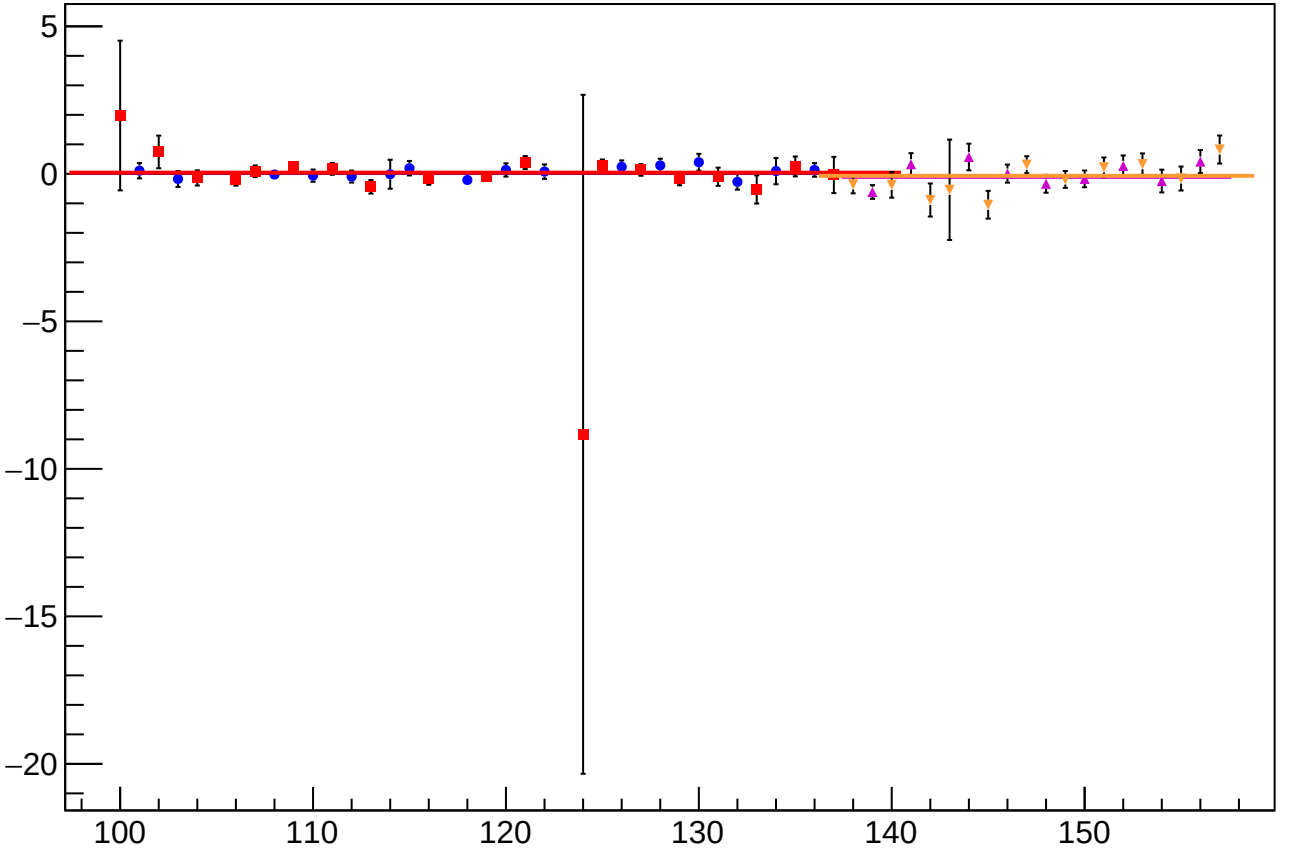
Left In: 0.000+/-0.000 χ^2/NDF:768824.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 4069870.6/26

All: 0.000+/-0.000 χ^2/NDF: 7376334.6/54

- sign 0.000+/-0.000 χ^2/NDF: 2748397.6/27

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

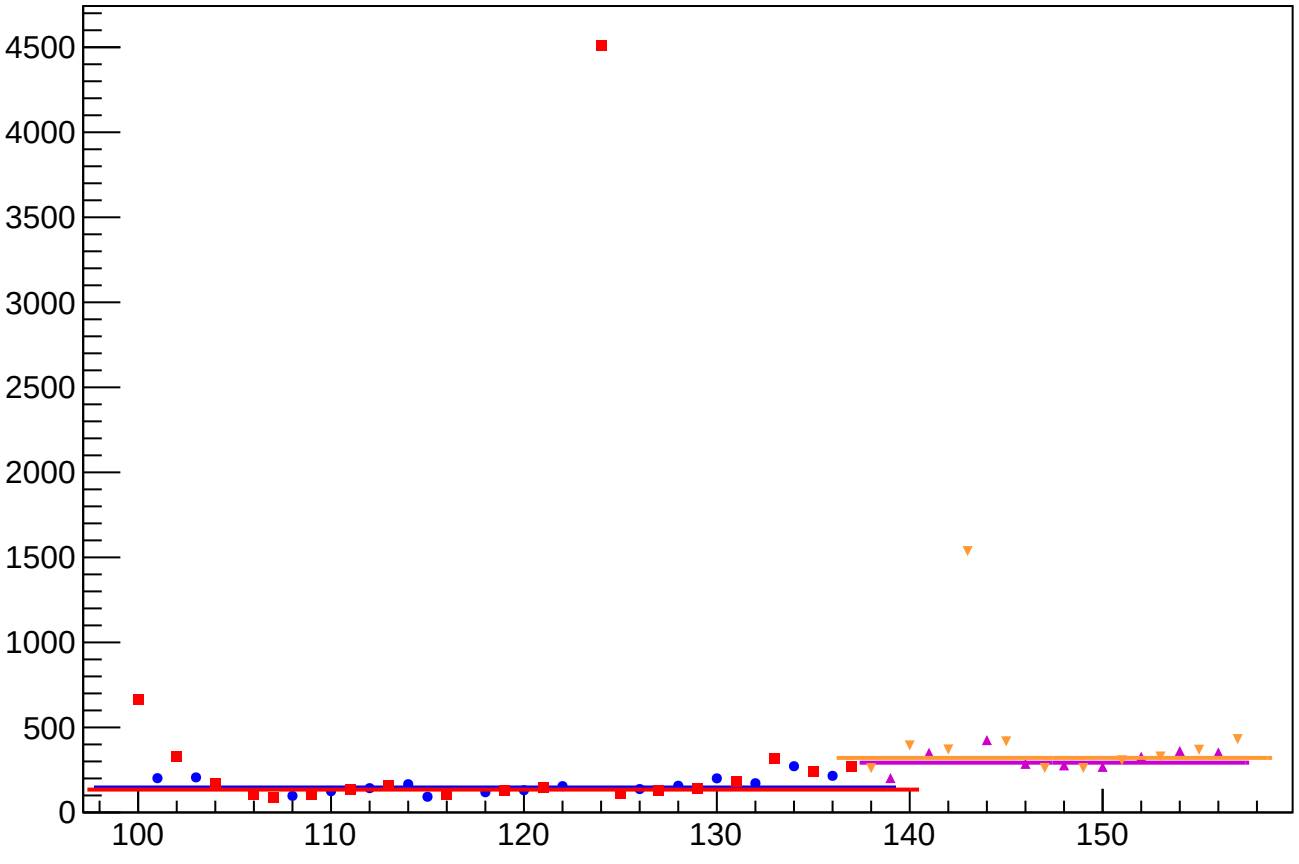
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

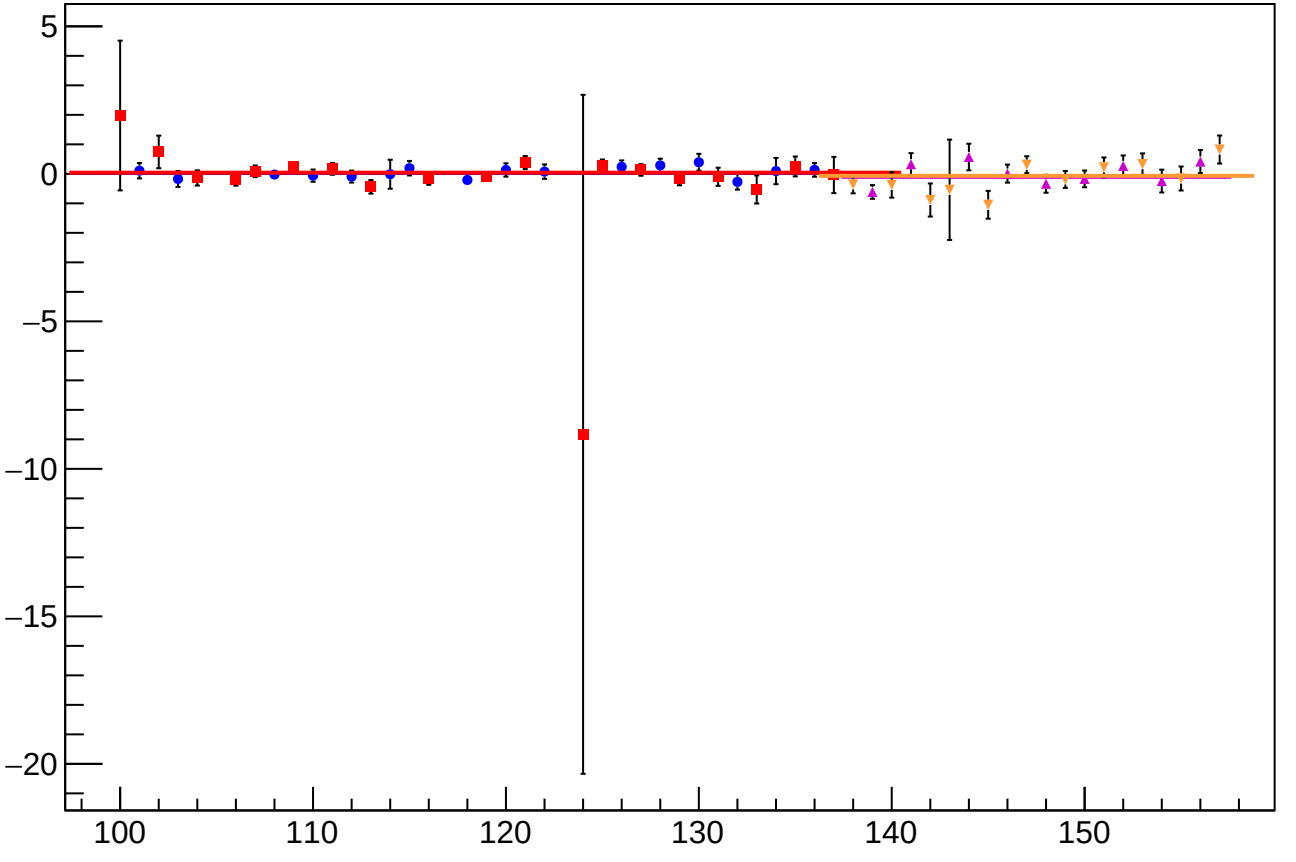
Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

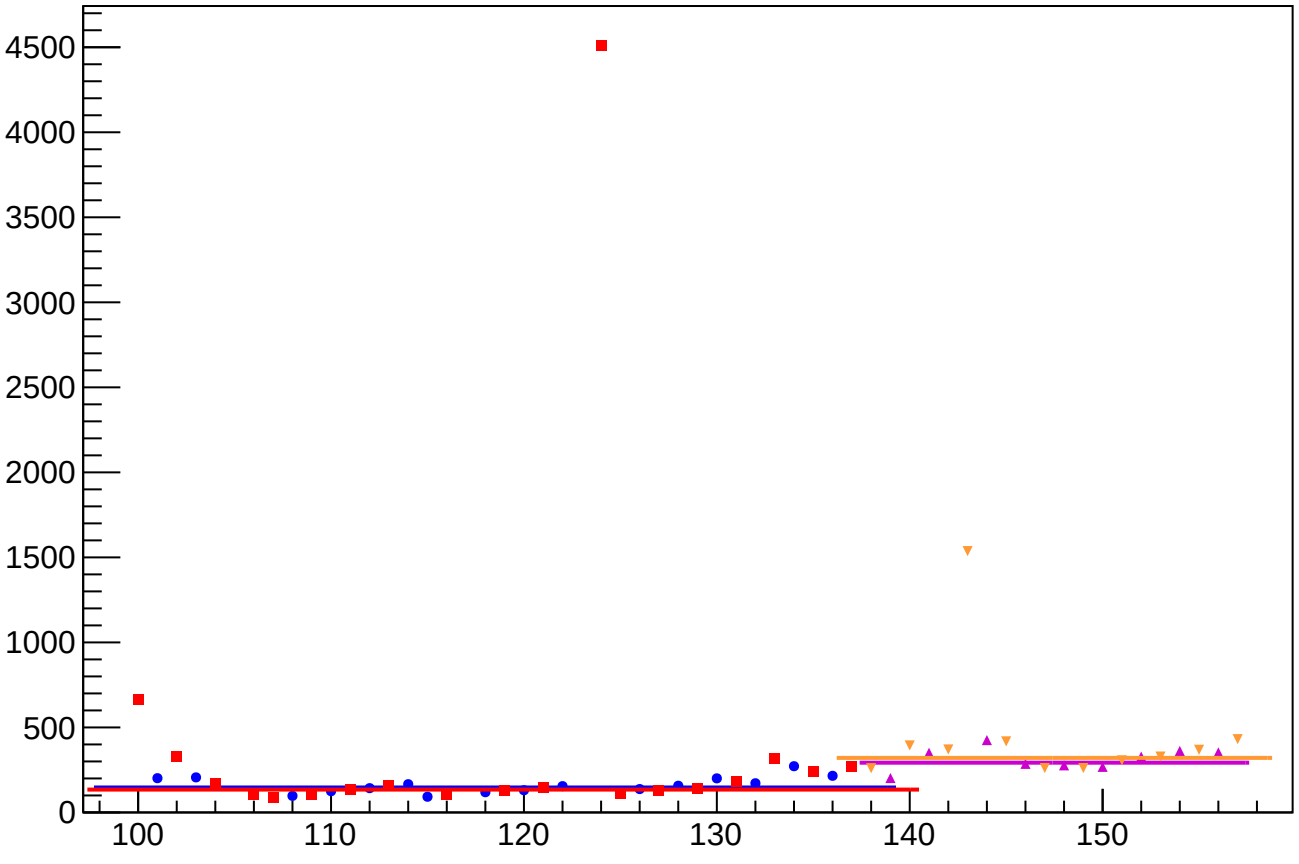
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 320.937+/-0.081 χ^2/NDF:1571537.4/10

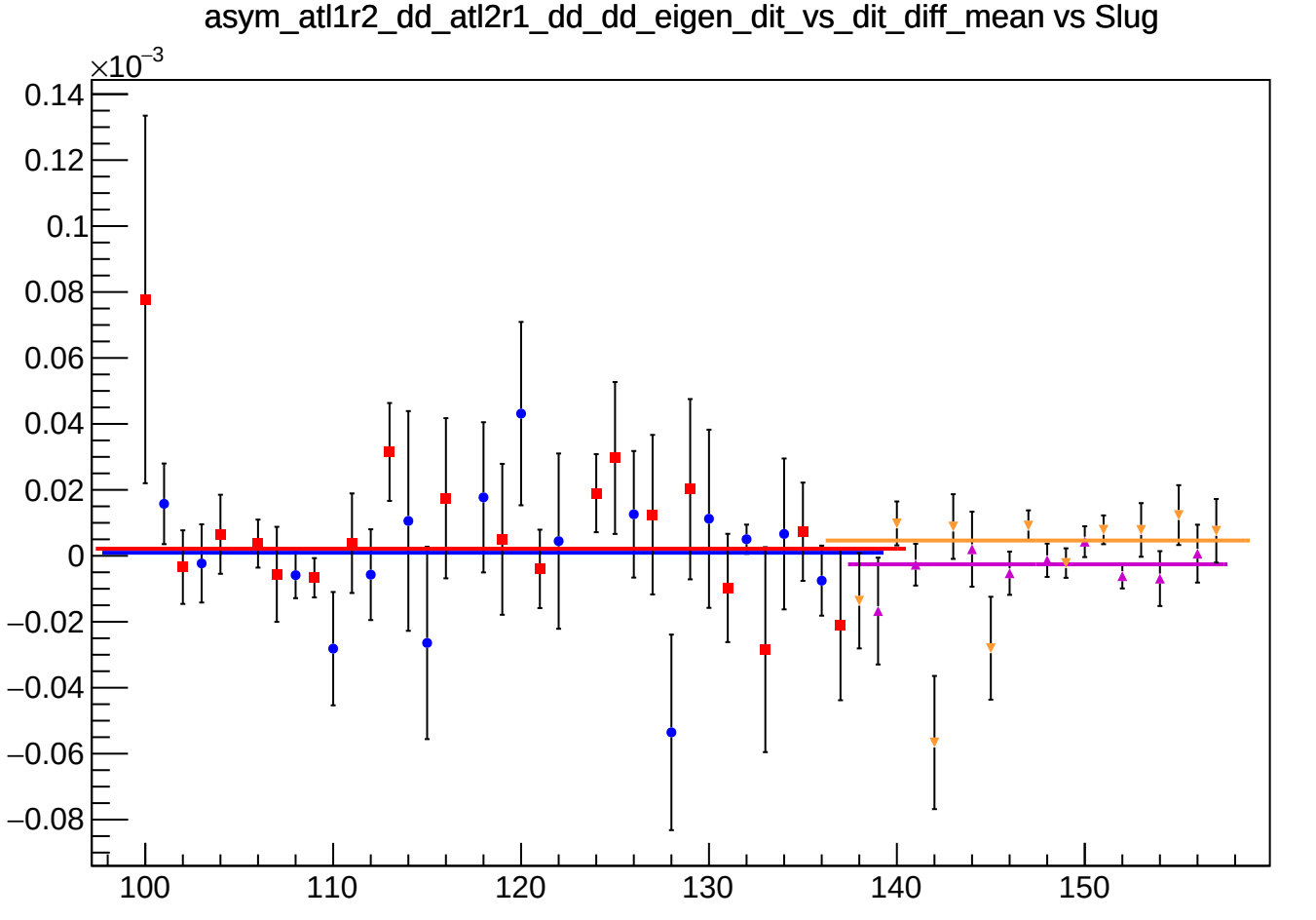
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

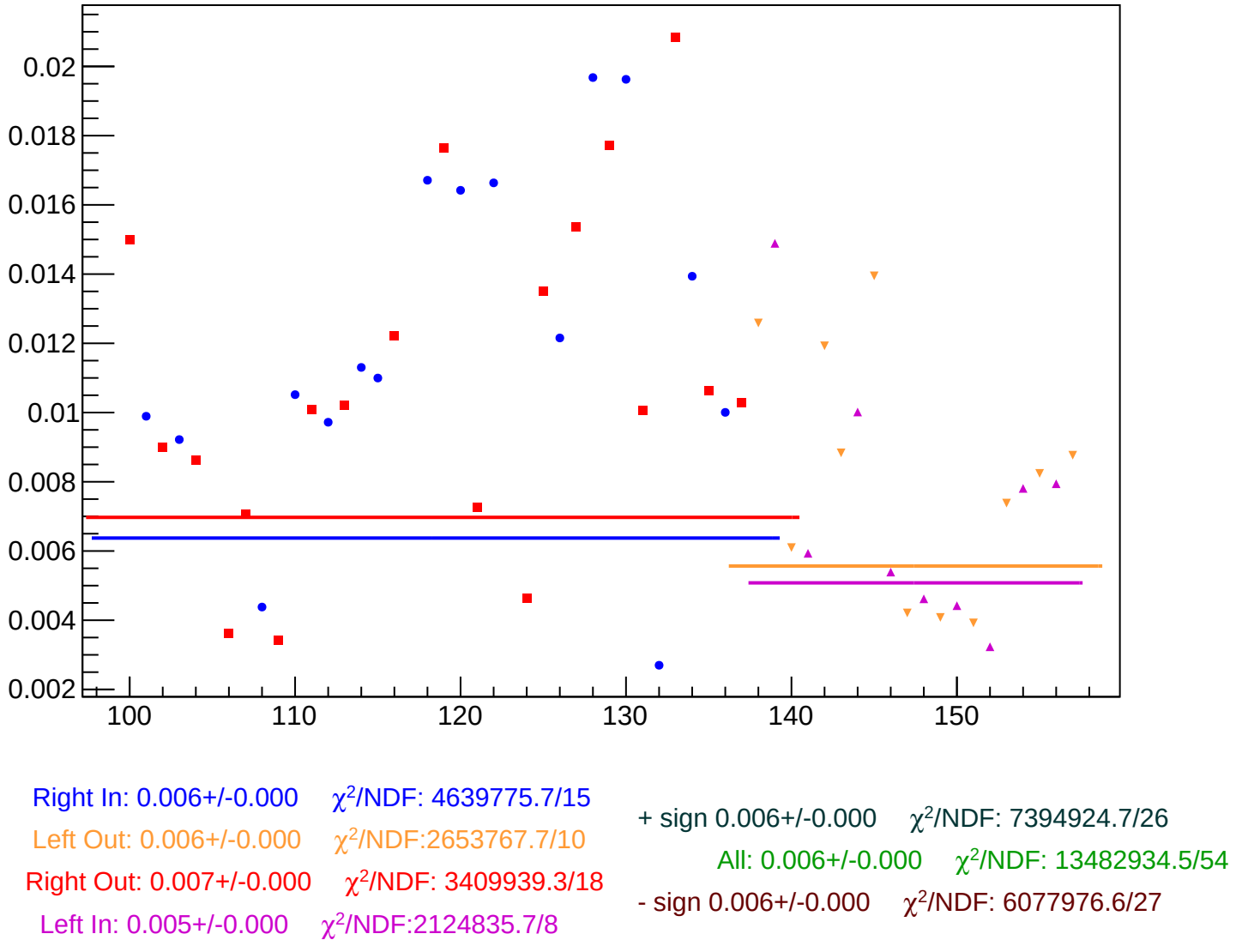
Left In: 292.722+/-0.076 χ^2/NDF:676176.2/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229013.9/26

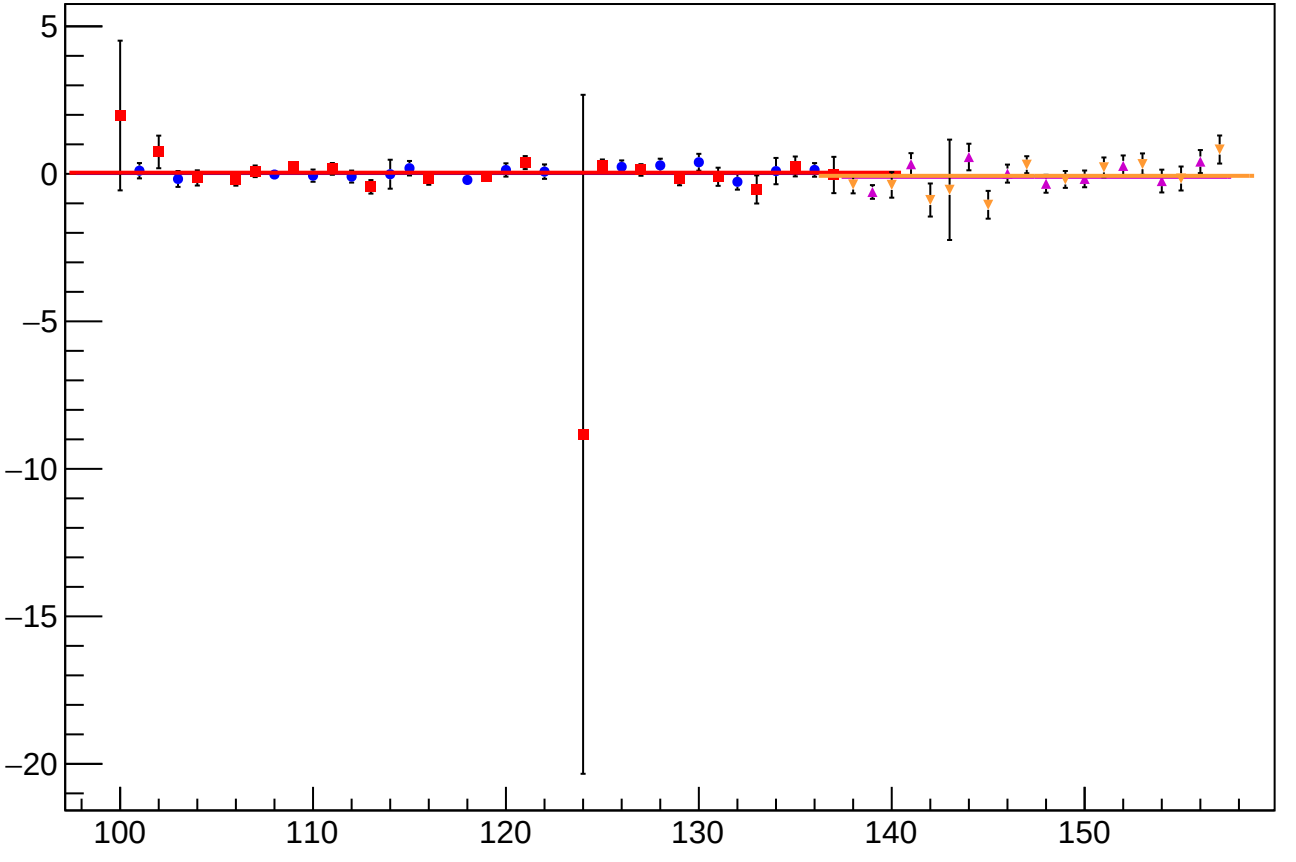
All: 173.939+/-0.025 χ^2/NDF: 12013598.2/54

- sign 166.876+/-0.035 χ^2/NDF: 5696165.2/27


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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:20.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.6/8
+ sign 0.000+/-0.000 χ²/NDF: 36.7/26
All: 0.000+/-0.000 χ²/NDF: 62.7/54
- sign -0.000+/-0.000 χ²/NDF: 22.4/27


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.006+/-0.000 χ²/NDF: 4639775.7/15
Left Out: 0.006+/-0.000 χ²/NDF:2653767.7/10
Right Out: 0.007+/-0.000 χ²/NDF: 3409939.3/18
Left In: 0.005+/-0.000 χ²/NDF:2124835.7/8
+ sign 0.006+/-0.000 χ²/NDF: 7394924.7/26
All: 0.006+/-0.000 χ²/NDF: 13482934.5/54
- sign 0.006+/-0.000 χ²/NDF: 6077976.6/27

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

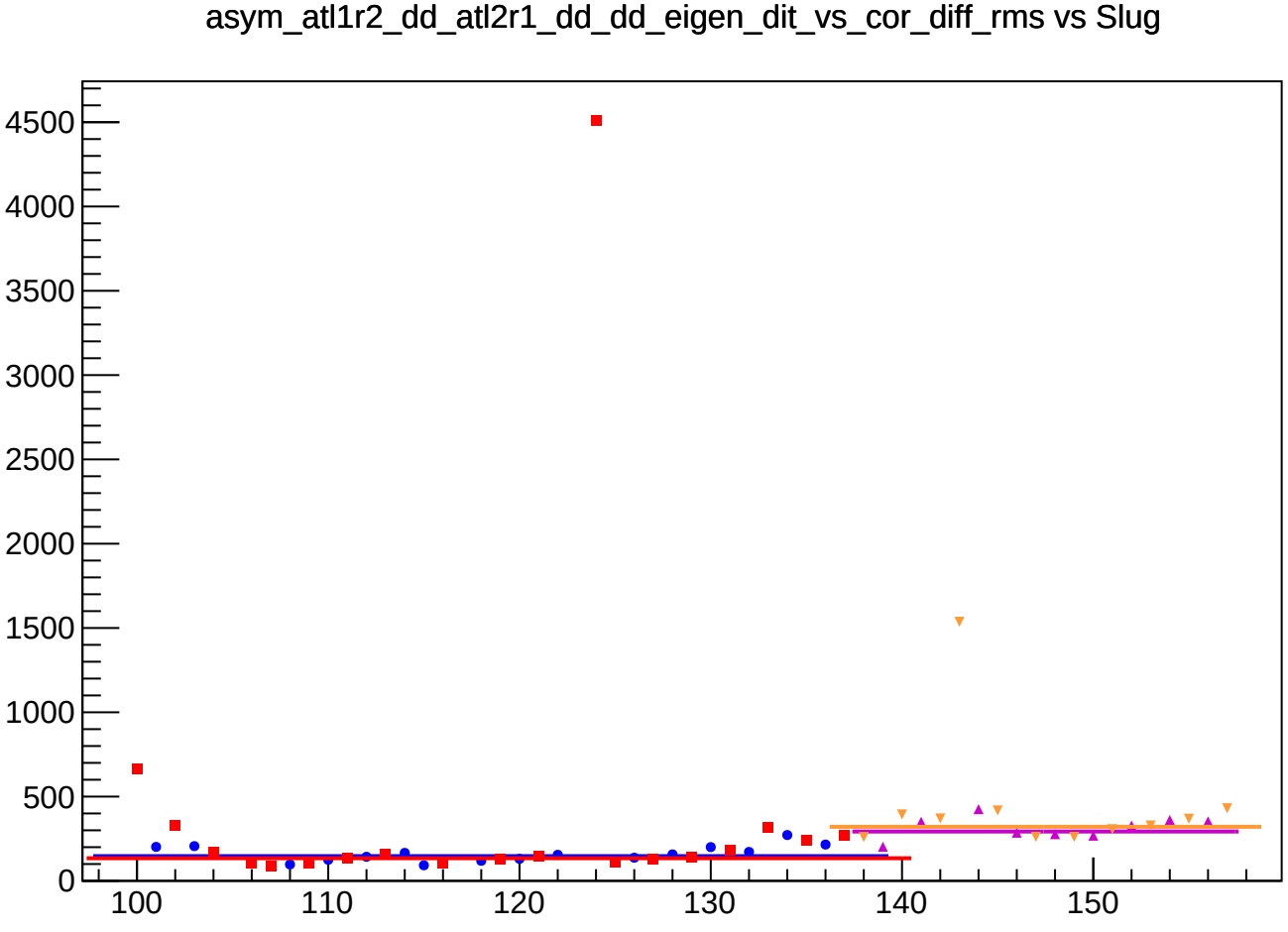
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

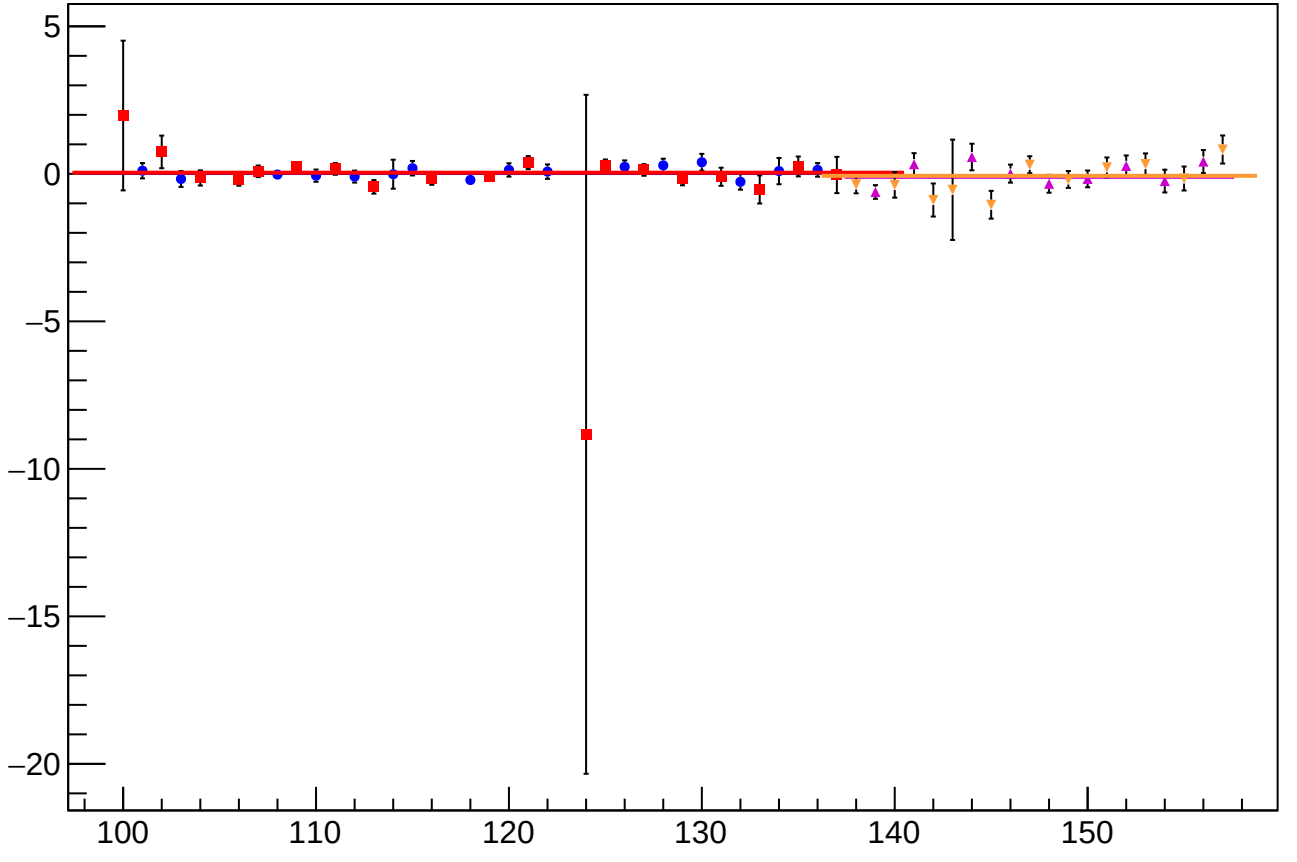
Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.067+/-0.115 χ^2/NDF:15.4/10

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

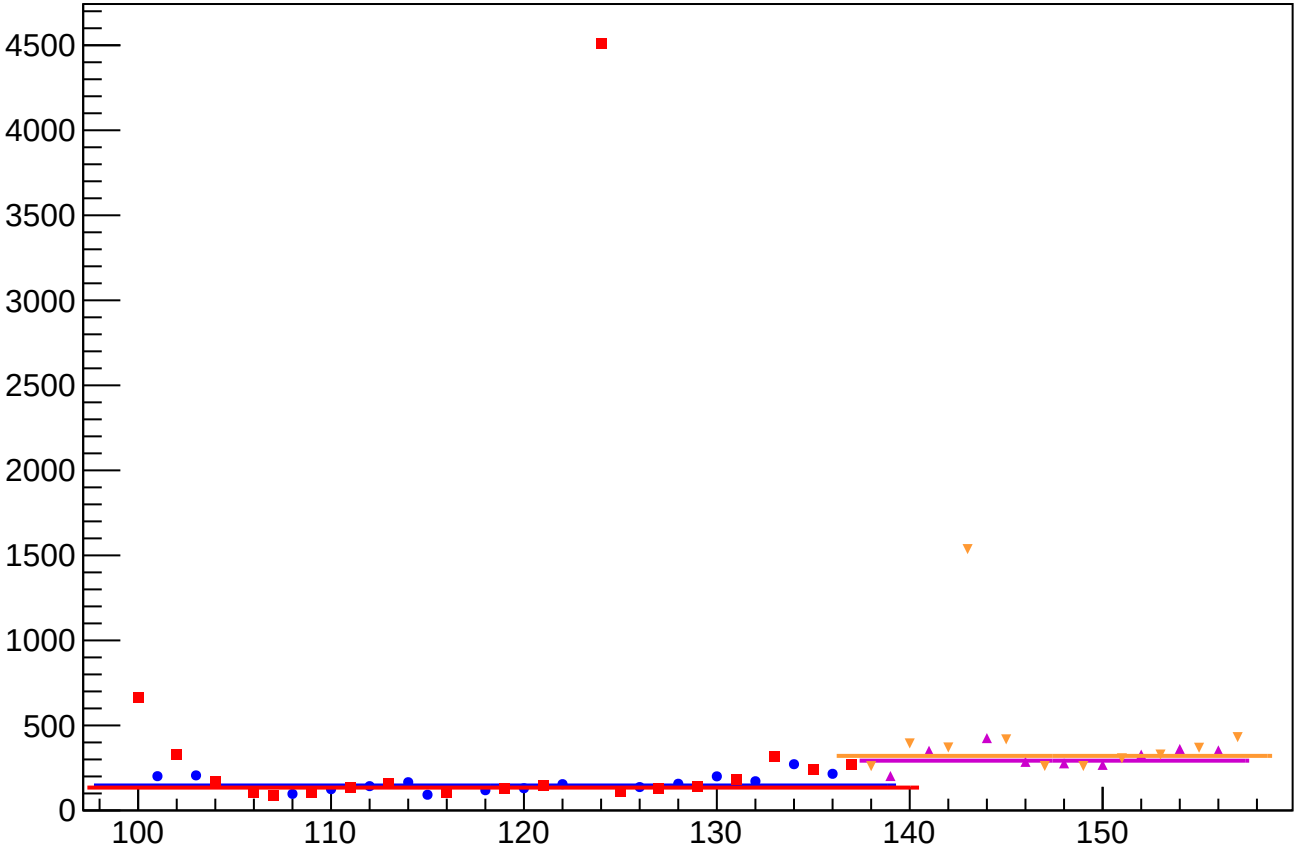
Left In: -0.101+/-0.108 χ^2/NDF:12.1/8

+ sign 0.009+/-0.052 χ^2/NDF: 25.3/26

All: 0.010+/-0.035 χ^2/NDF: 58.8/54

- sign 0.010+/-0.049 χ^2/NDF: 33.5/27

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 320.940+/-0.081 χ^2/NDF:1571541.1/10

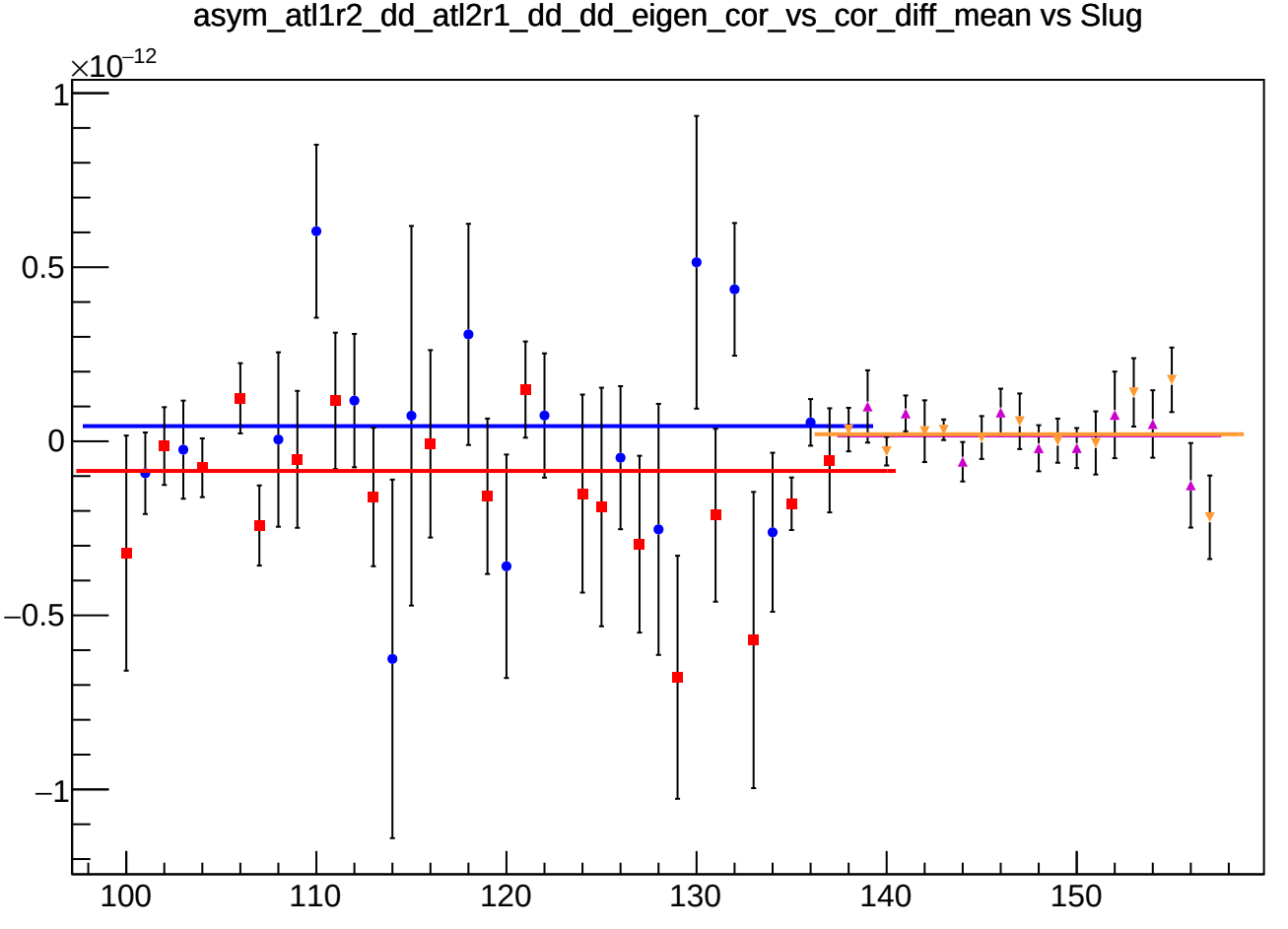
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 292.726+/-0.076 χ^2/NDF:676155.9/8

+ sign 181.813+/-0.036 χ^2/NDF: 6229048.6/26

All: 173.940+/-0.025 χ^2/NDF: 12013557.3/54

- sign 166.877+/-0.035 χ^2/NDF: 5696108.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/10

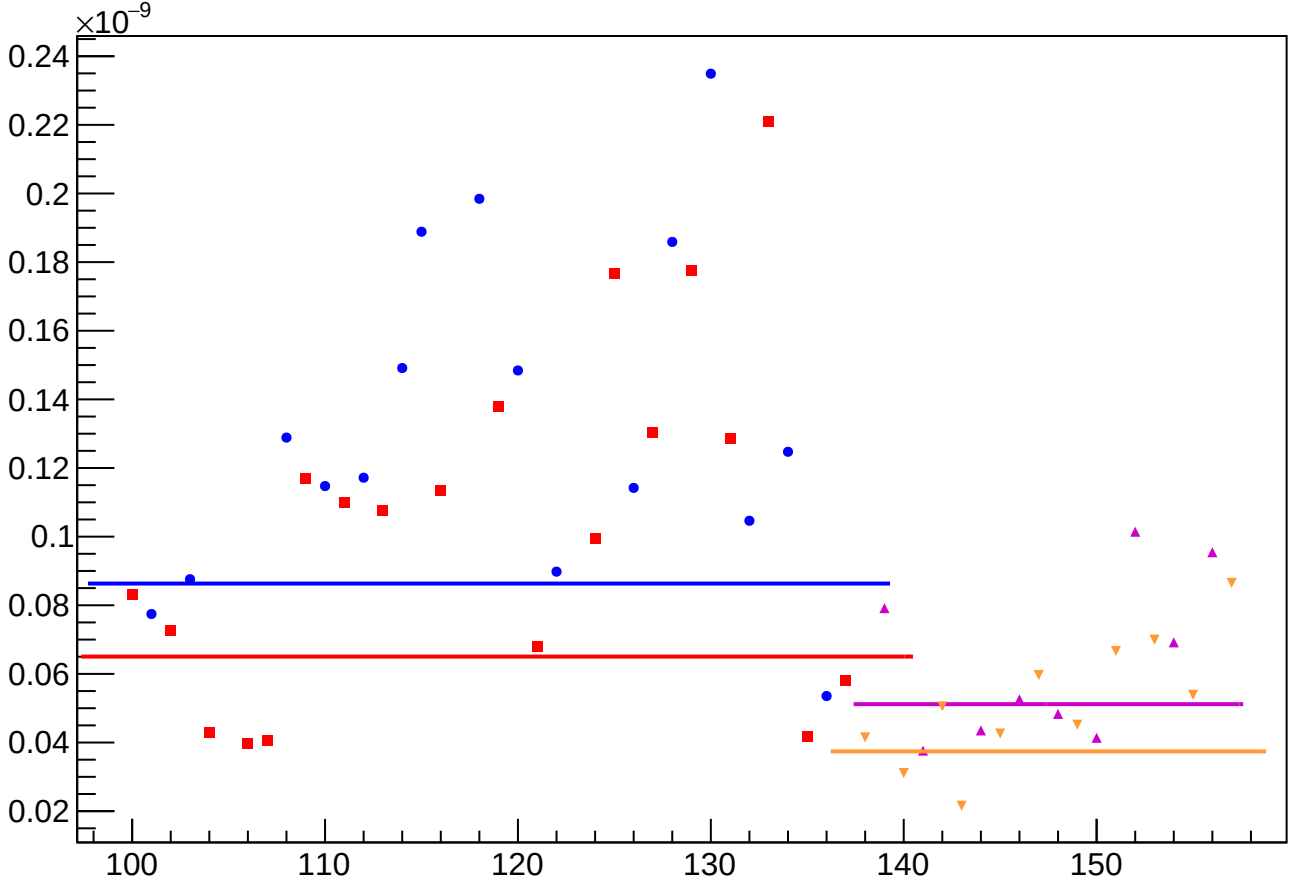
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.5/54

- sign -0.000+/-0.000 χ^2/NDF: 31.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696147.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

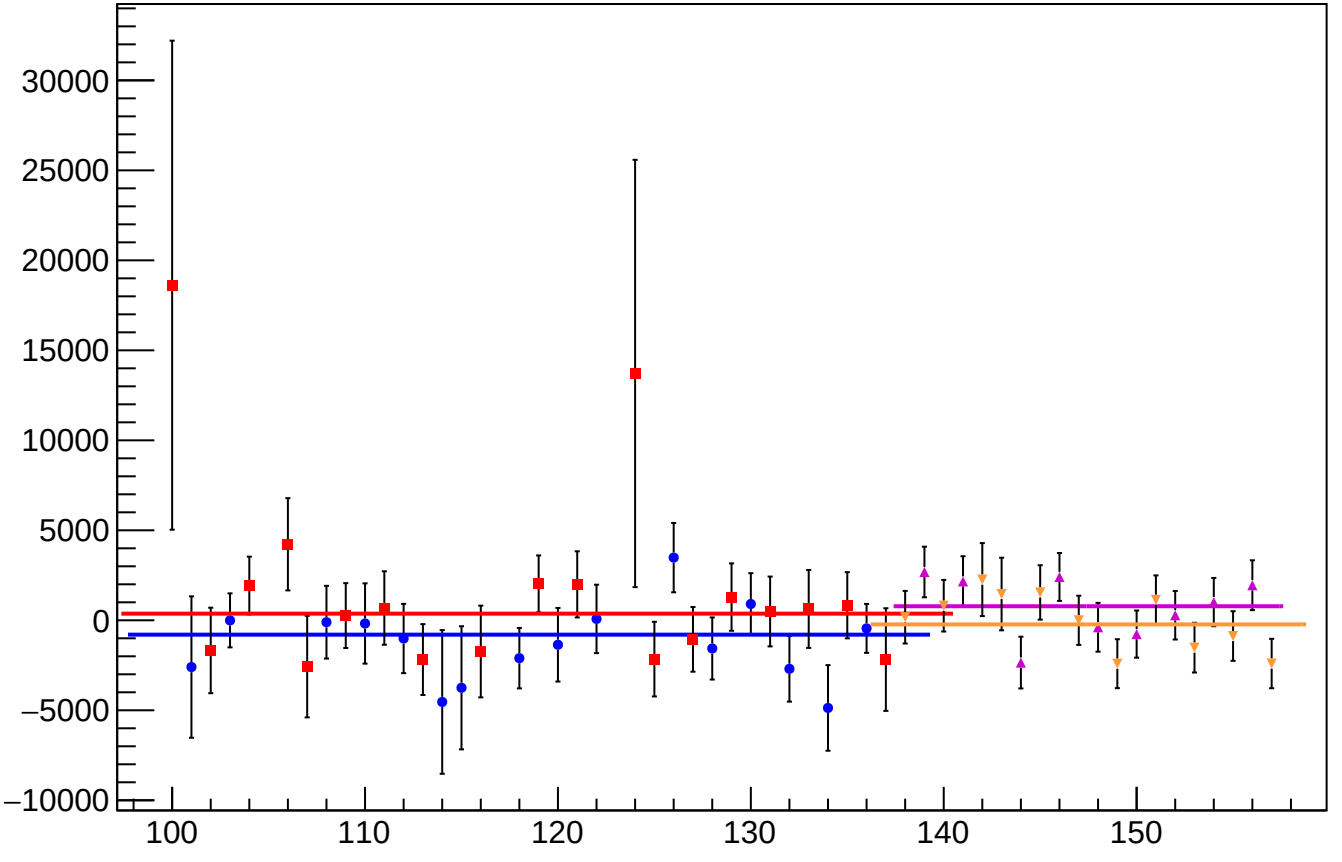
Left In: 0.000+/-0.000 χ^2/NDF:1043638.1/8

\+ sign 0.000+/-0.000 χ^2/NDF: 5499242.8/26

All: 0.000+/-0.000 χ^2/NDF: 9305543.3/54

\- sign 0.000+/-0.000 χ^2/NDF: 3423734.0/27

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -227.456+/-443.615 χ^2/NDF:11.4/10

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

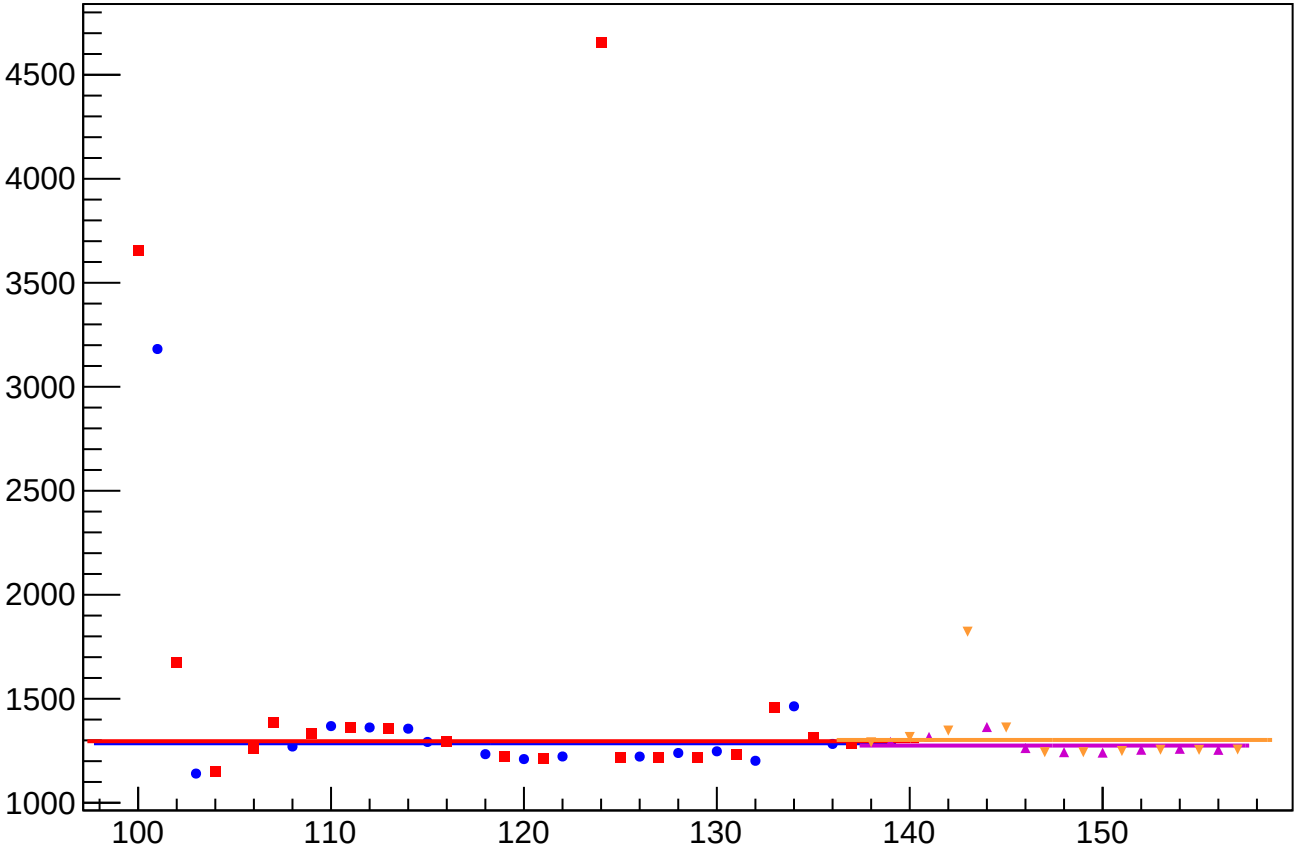
Left In: 780.755+/-455.484 χ^2/NDF:12.1/8

+ sign -485.601+/-328.089 χ^2/NDF: 25.6/26

All: 44.679+/-233.463 χ^2/NDF: 58.9/54

- sign 588.608+/-332.285 χ^2/NDF: 28.0/27

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

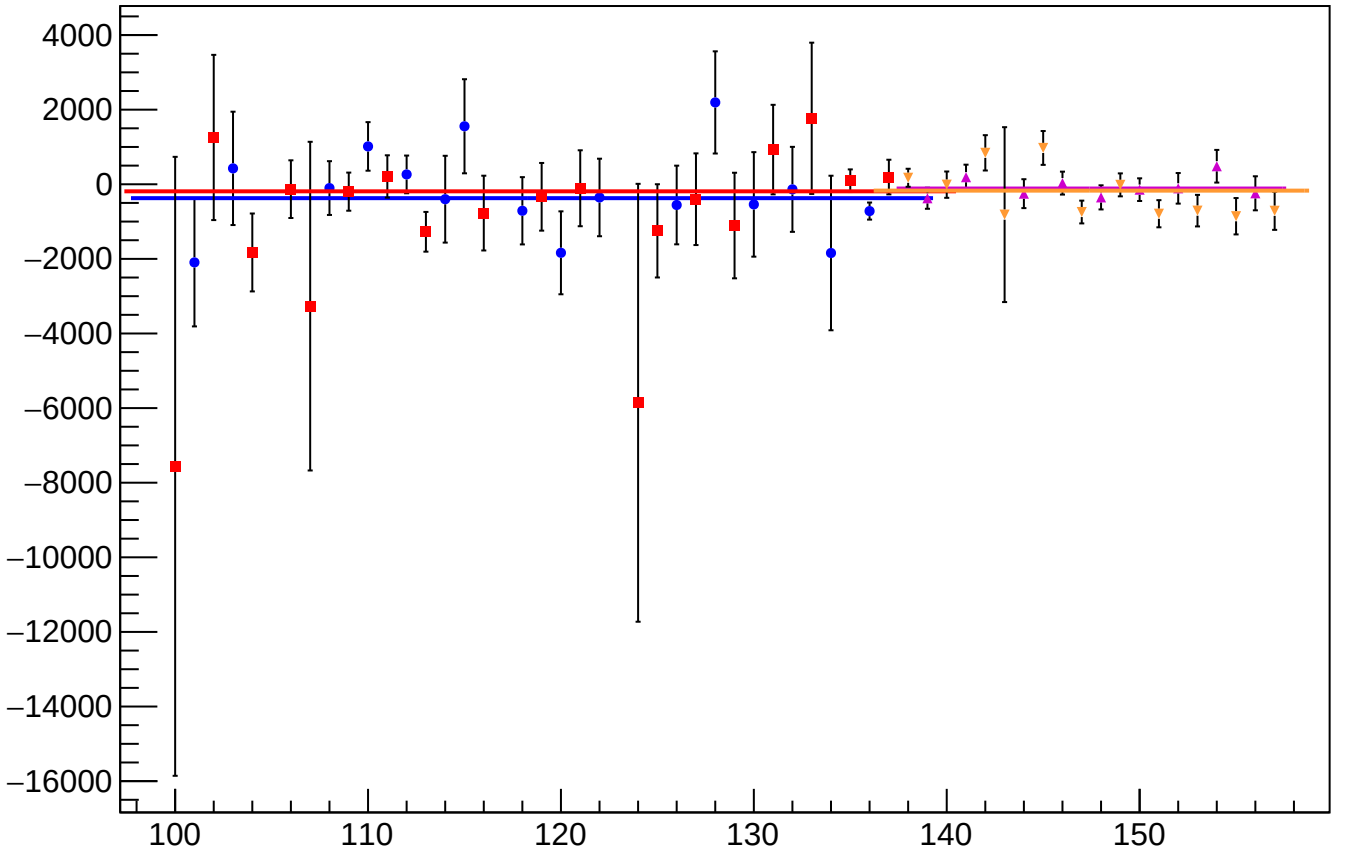
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674402.8/26

All: 1289.852+/-0.165 χ^2/NDF: 1018901.5/54

- sign 1284.783+/-0.235 χ^2/NDF: 343579.6/27



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -170.354+/-113.850 χ^2/NDF:24.6/10

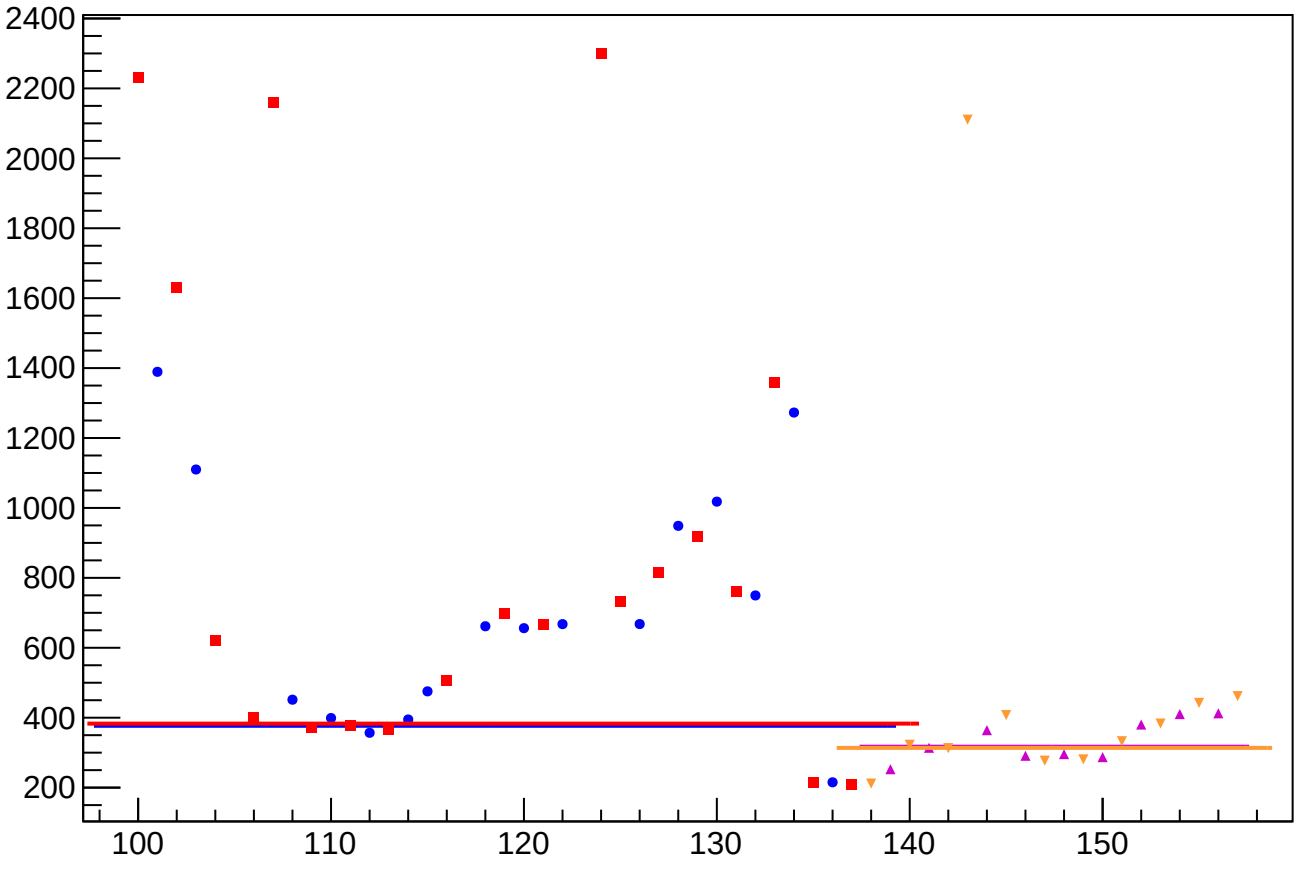
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -114.339+/-115.410 χ^2/NDF:4.5/8

+ sign -233.812+/-94.283 χ^2/NDF: 43.8/26

All: -186.454+/-67.063 χ^2/NDF: 63.6/54

- sign -137.957+/-95.410 χ^2/NDF: 19.3/27



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 313.671+/-0.081 χ^2/NDF:2037953.1/10

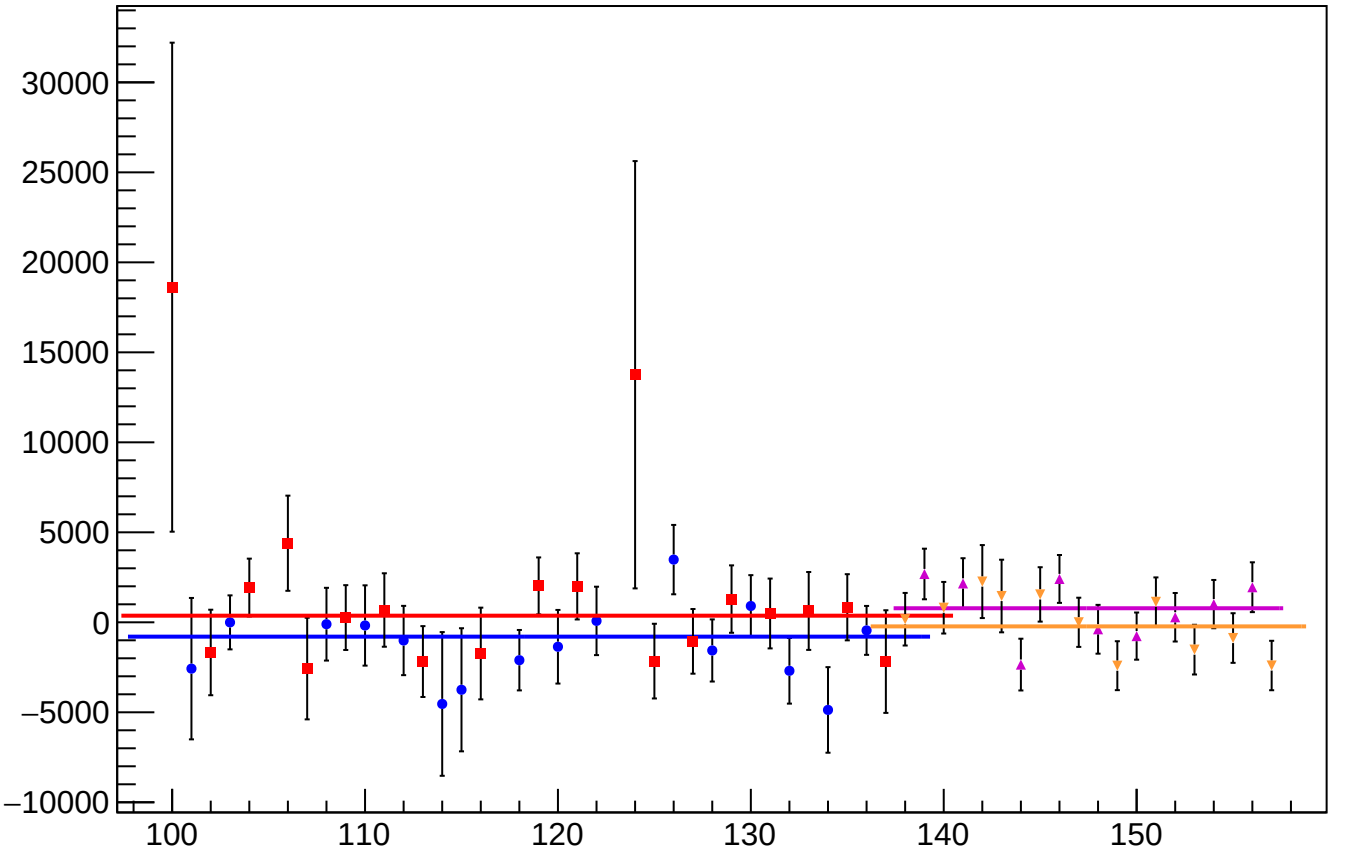
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 317.091+/-0.082 χ^2/NDF:402607.9/8

+ sign 333.535+/-0.067 χ^2/NDF: 6421919.1/26

All: 335.731+/-0.047 χ^2/NDF: 11087790.9/54

- sign 337.979+/-0.067 χ^2/NDF: 4663676.4/27



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

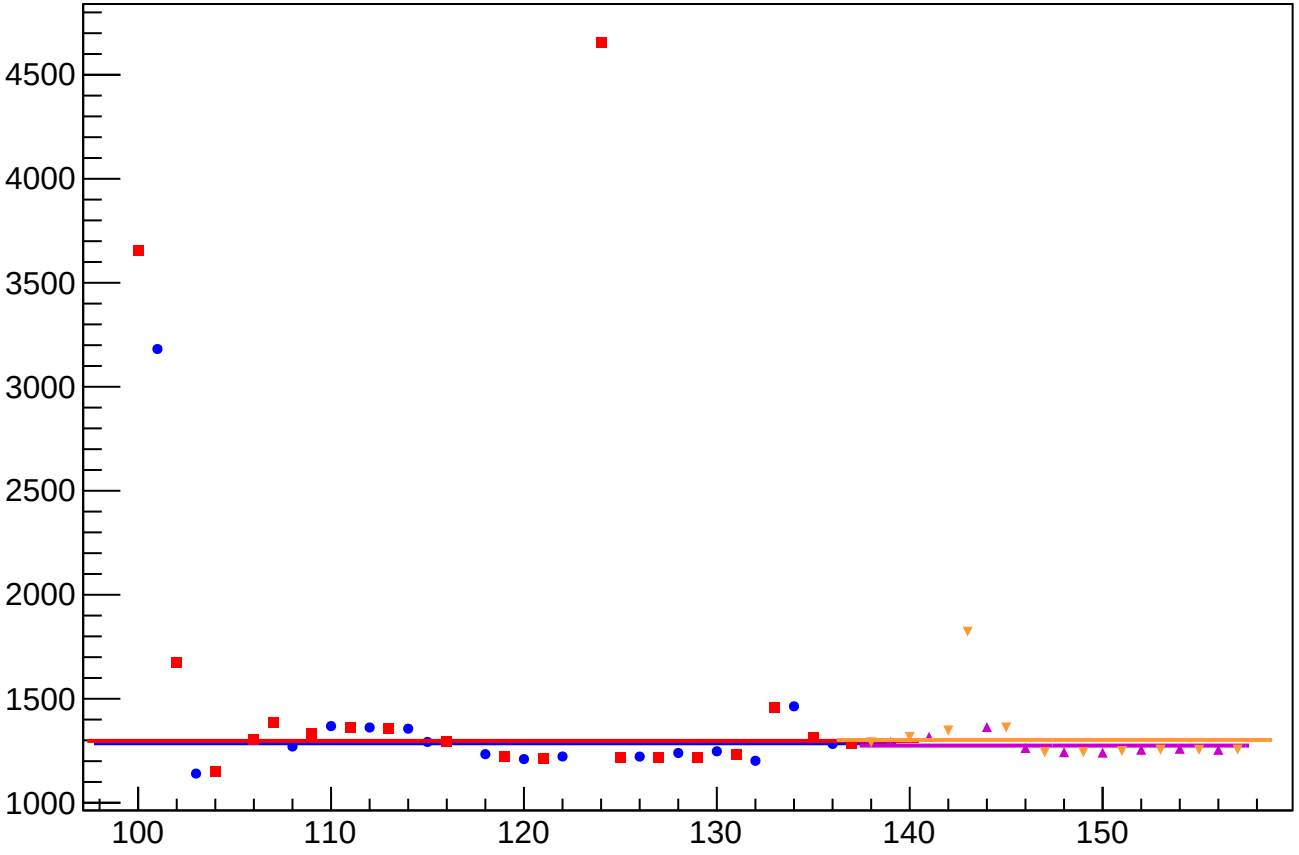
Left In: 780.723+/-455.484 χ^2/NDF:12.1/8

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 44.028+/-233.521 χ^2/NDF: 59.0/54

- sign 587.627+/-332.452 χ^2/NDF: 28.1/27

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

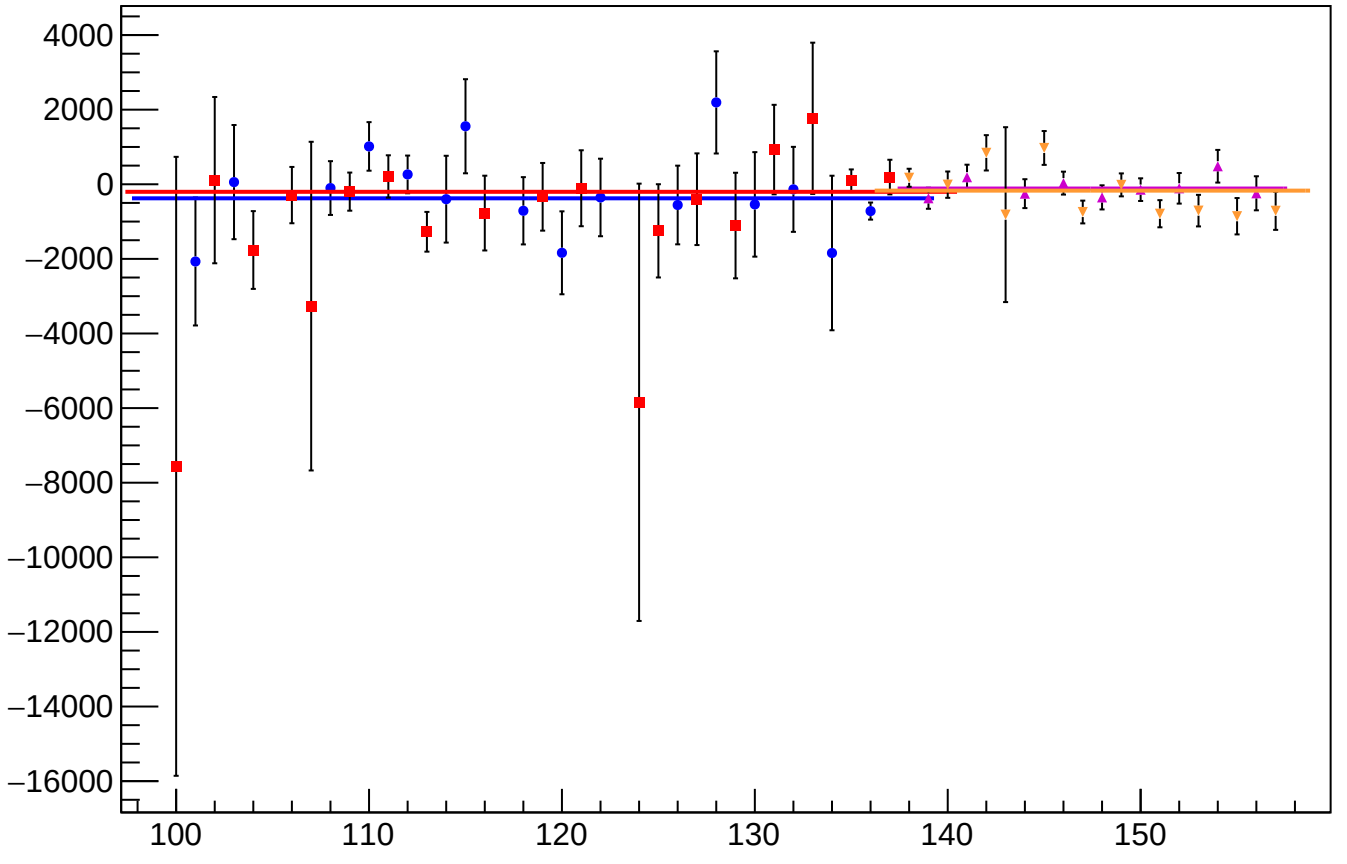
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.183+/-0.165 χ^2/NDF: 1018737.3/54

- sign 1285.450+/-0.235 χ^2/NDF: 343532.7/27



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

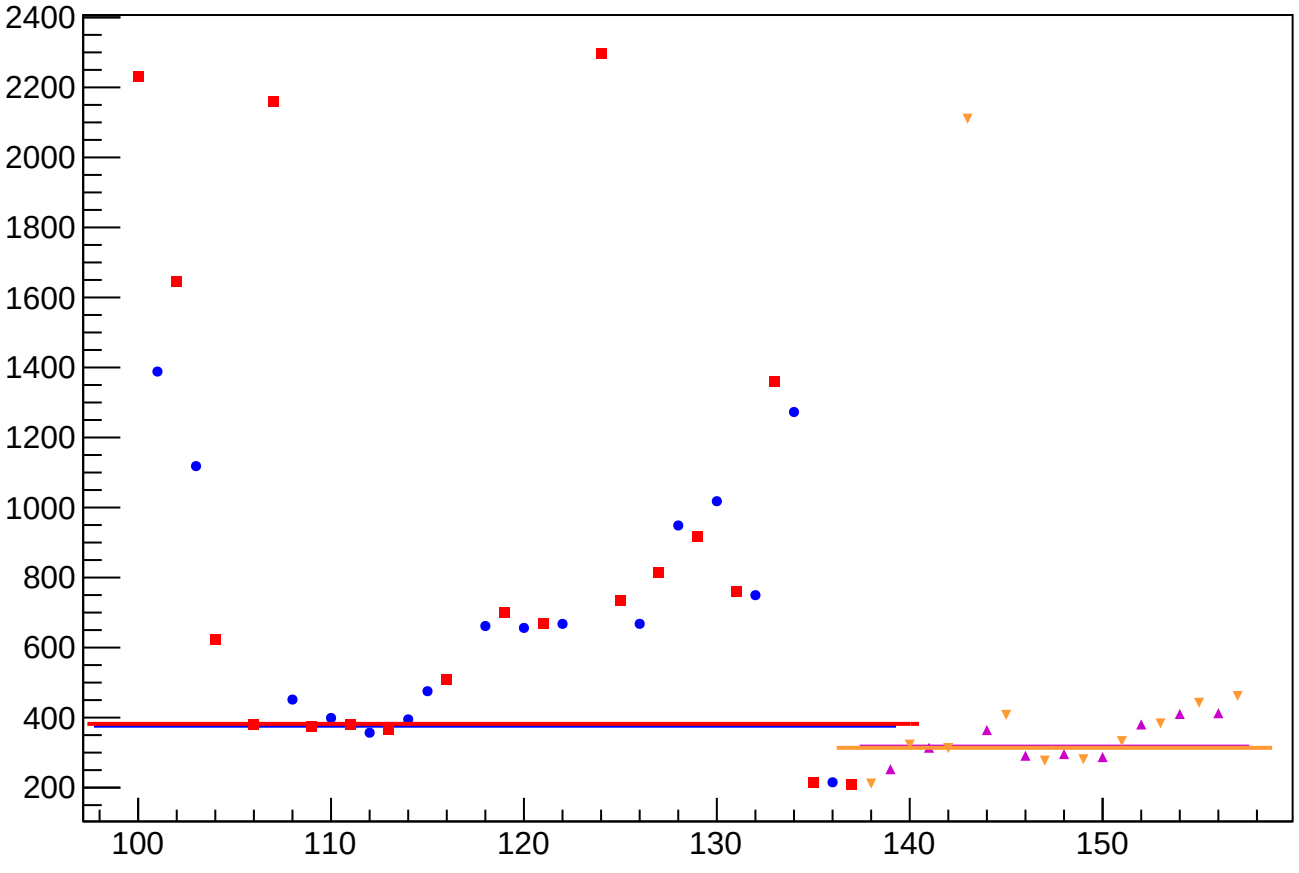
Left In: -114.356+/-115.410 χ^2/NDF:4.5/8

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -189.238+/-67.053 χ^2/NDF: 62.8/54

- sign -142.191+/-95.375 χ^2/NDF: 18.7/27

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

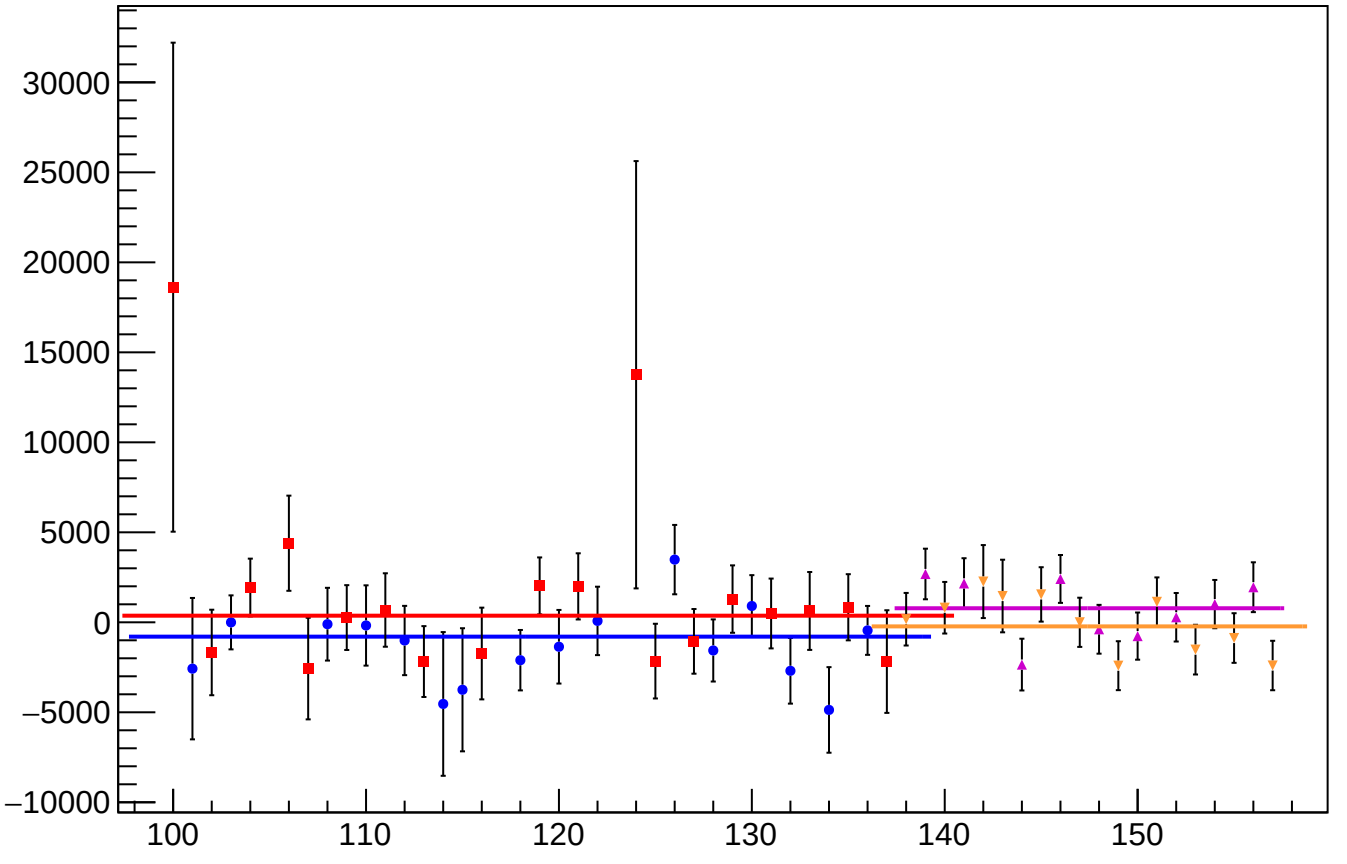
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 317.091+/-0.082 χ^2/NDF:402679.3/8

+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 335.602+/-0.047 χ^2/NDF: 11090481.6/54

- sign 337.715+/-0.067 χ^2/NDF: 4663712.1/27



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -227.417+/-443.616 χ^2/NDF:11.4/10

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

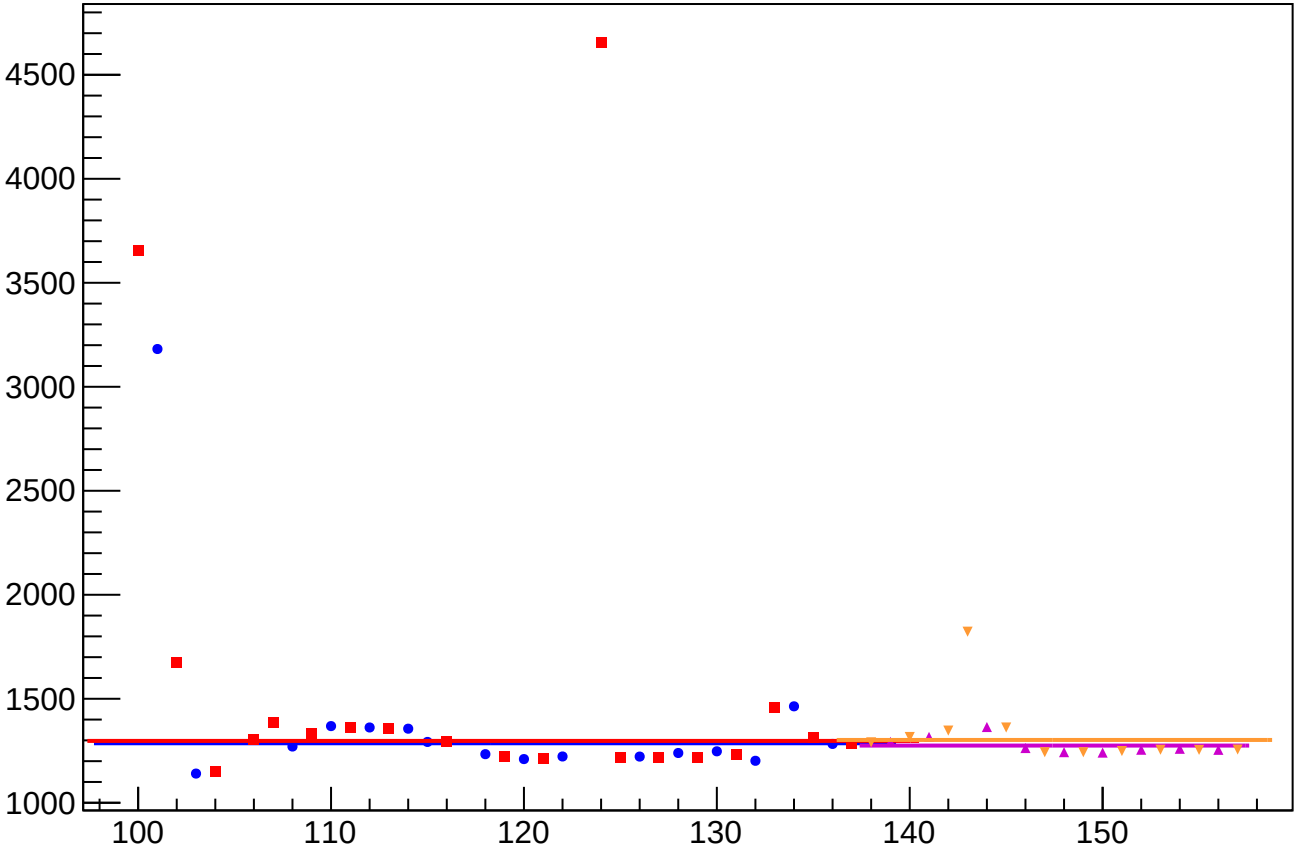
Left In: 780.723+/-455.484 χ^2/NDF:12.1/8

+ sign -485.397+/-328.089 χ^2/NDF: 25.6/26

All: 44.028+/-233.521 χ^2/NDF: 59.0/54

- sign 587.627+/-332.452 χ^2/NDF: 28.1/27

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1301.996+/-0.314 χ^2/NDF:155112.0/10

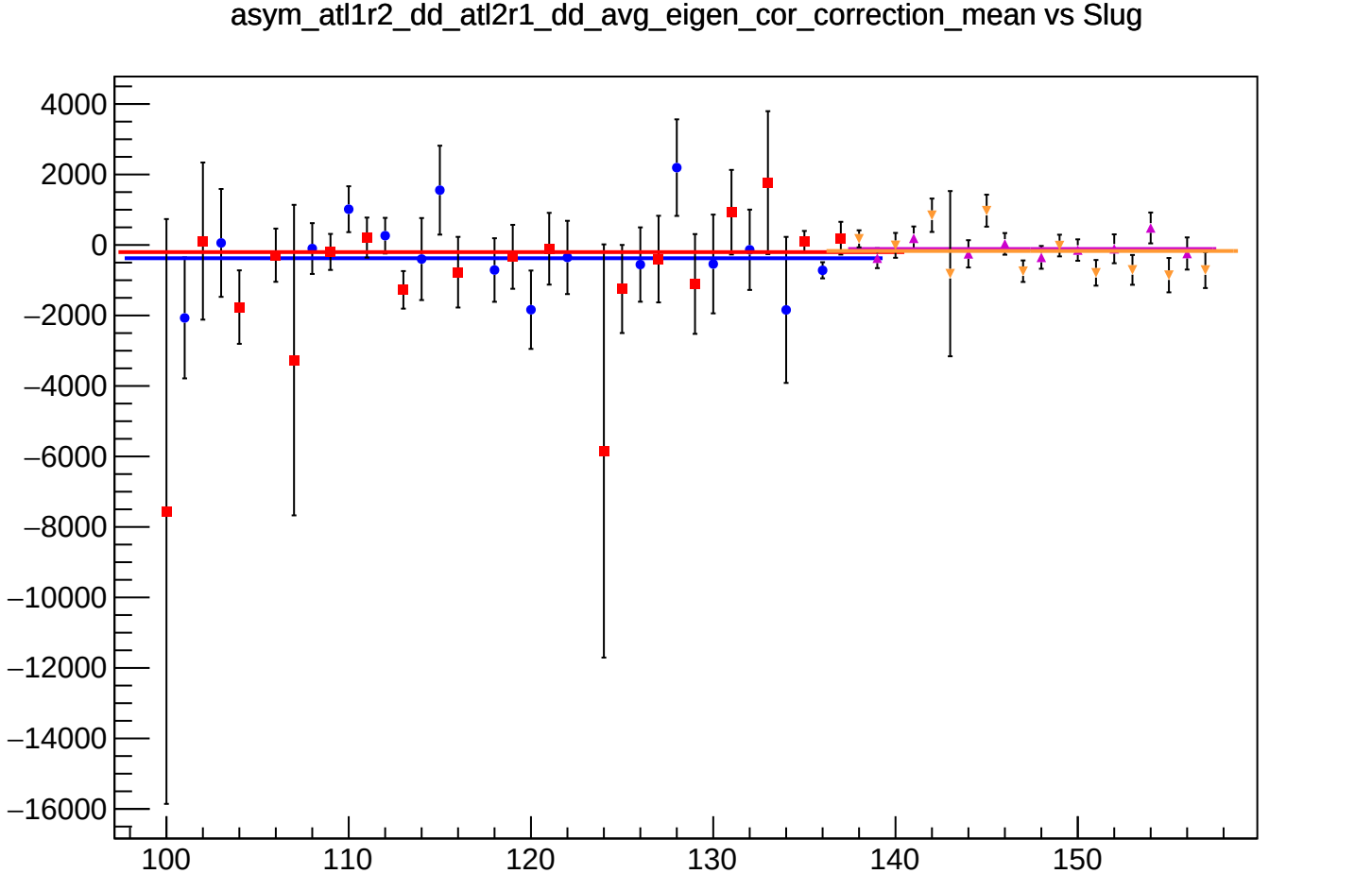
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1274.973+/-0.322 χ^2/NDF:13526.7/8

+ sign 1294.794+/-0.232 χ^2/NDF: 674404.2/26

All: 1290.183+/-0.165 χ^2/NDF: 1018737.3/54

- sign 1285.450+/-0.235 χ^2/NDF: 343532.7/27



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -170.381+/-113.853 χ^2/NDF:24.6/10

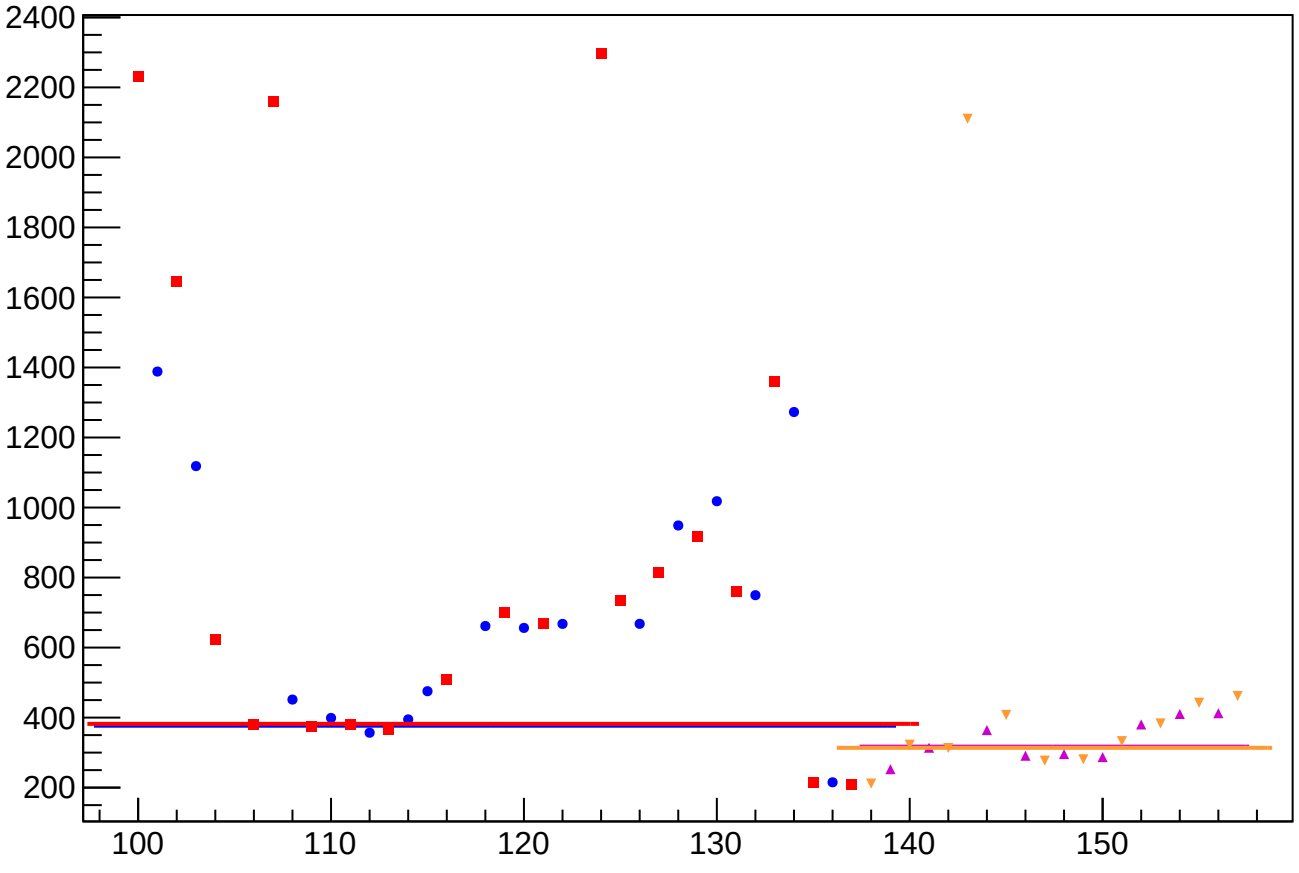
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -114.356+/-115.410 χ^2/NDF:4.5/8

+ sign -235.220+/-94.288 χ^2/NDF: 43.6/26

All: -189.238+/-67.053 χ^2/NDF: 62.8/54

- sign -142.191+/-95.375 χ^2/NDF: 18.7/27



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 313.681+/-0.081 χ^2/NDF:2037877.2/10

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

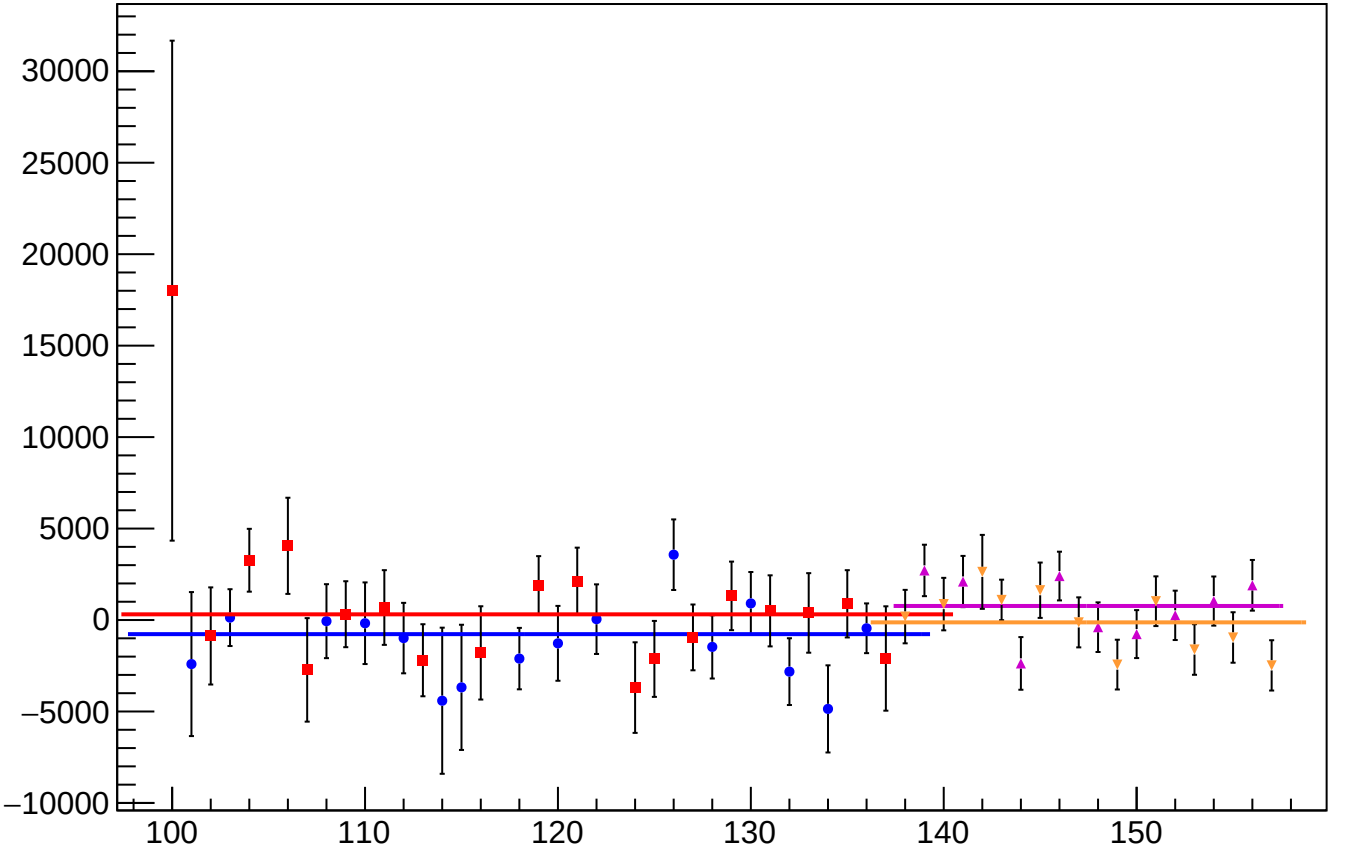
Left In: 317.091+/-0.082 χ^2/NDF:402679.3/8

+ sign 333.537+/-0.067 χ^2/NDF: 6424828.5/26

All: 335.602+/-0.047 χ^2/NDF: 11090481.6/54

- sign 337.715+/-0.067 χ^2/NDF: 4663712.1/27

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.600+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

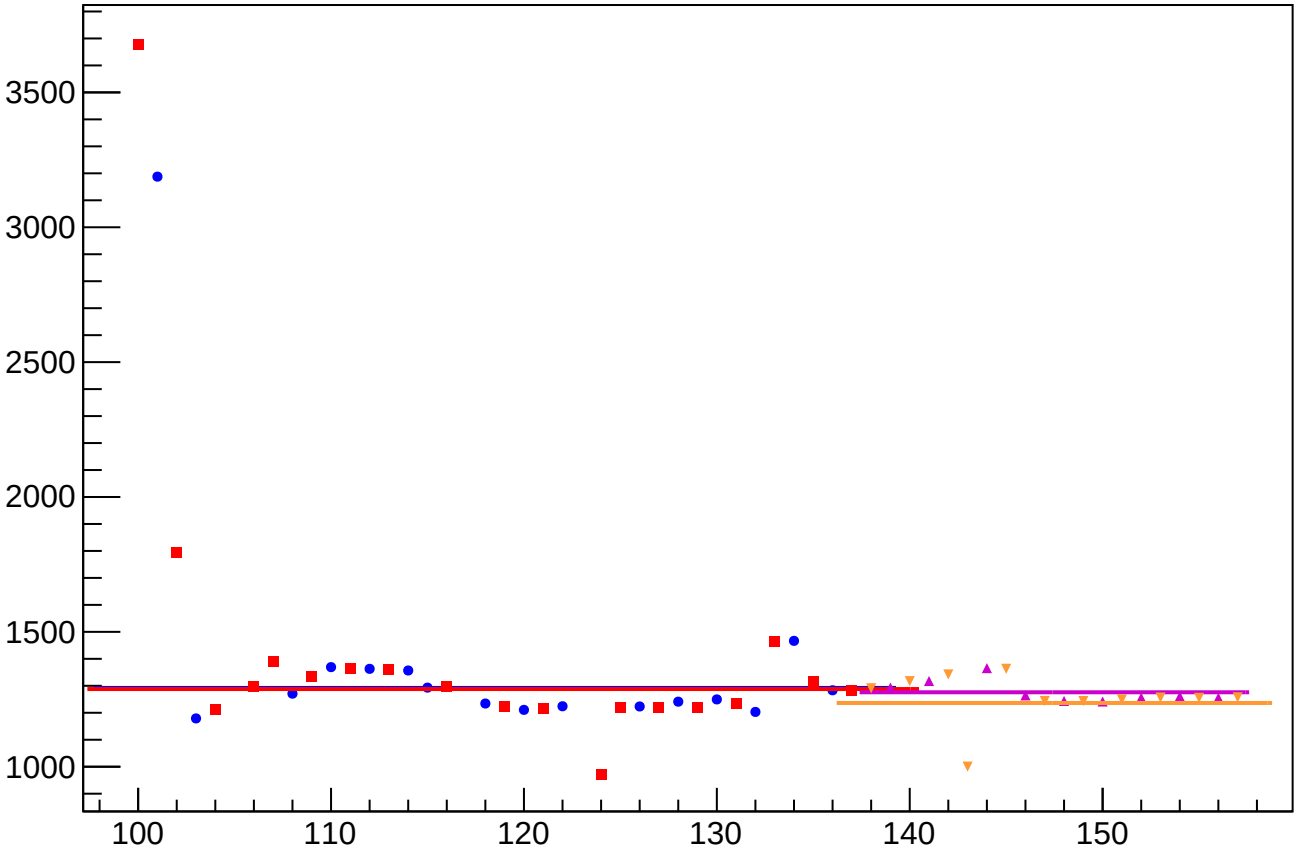
Left In: 768.448+/-455.848 χ^2/NDF:12.0/8

+ sign -401.206+/-319.152 χ^2/NDF: 27.6/26

All: 57.923+/-229.883 χ^2/NDF: 62.4/54

- sign 552.971+/-331.401 χ^2/NDF: 30.5/27

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121113.6/10

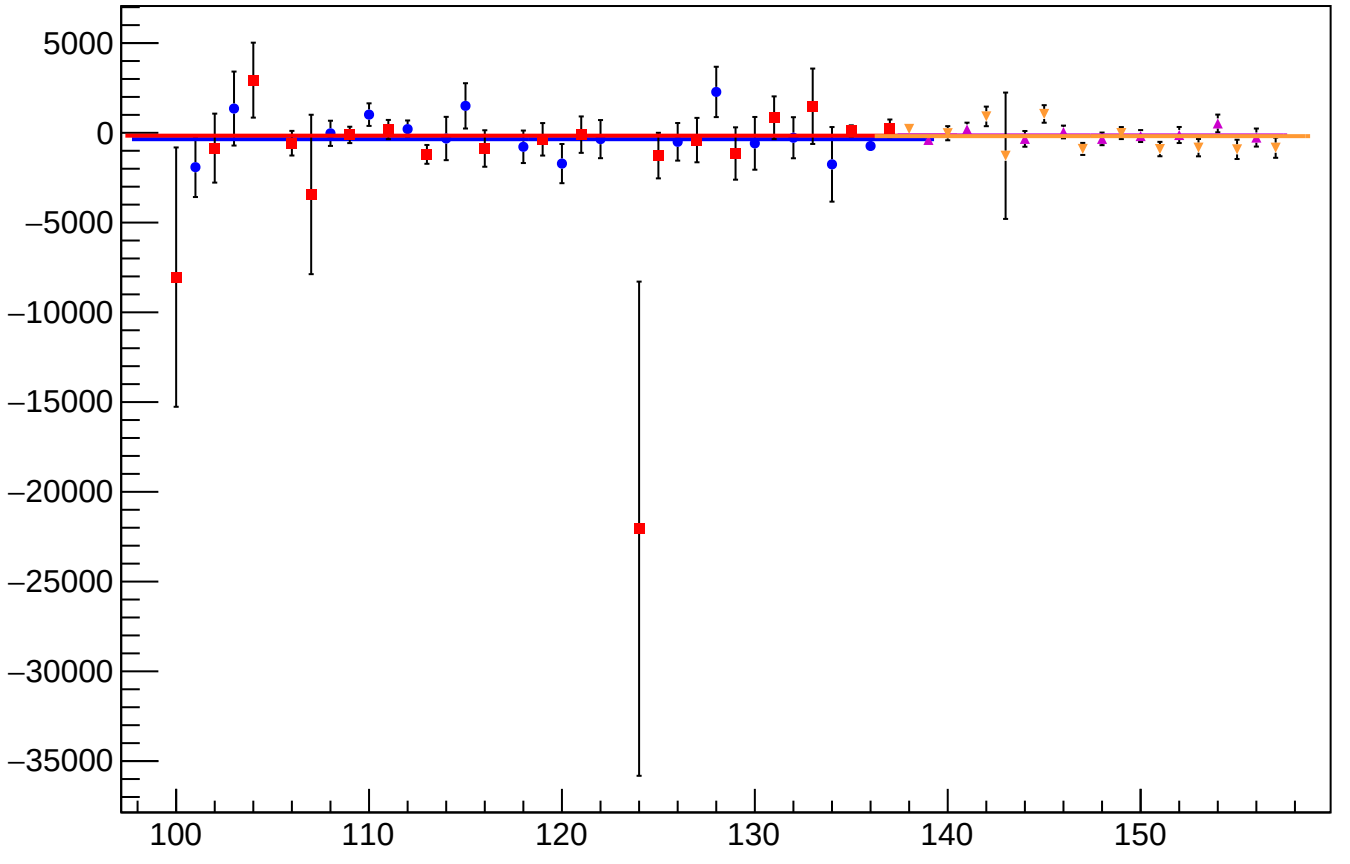
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1275.984+/-0.322 χ^2/NDF:13586.9/8

+ sign 1260.030+/-0.226 χ^2/NDF: 645383.5/26

All: 1270.430+/-0.163 χ^2/NDF: 873246.7/54

- sign 1281.644+/-0.234 χ^2/NDF: 223449.5/27



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -185.017+/-123.207 χ^2/NDF:26.4/10

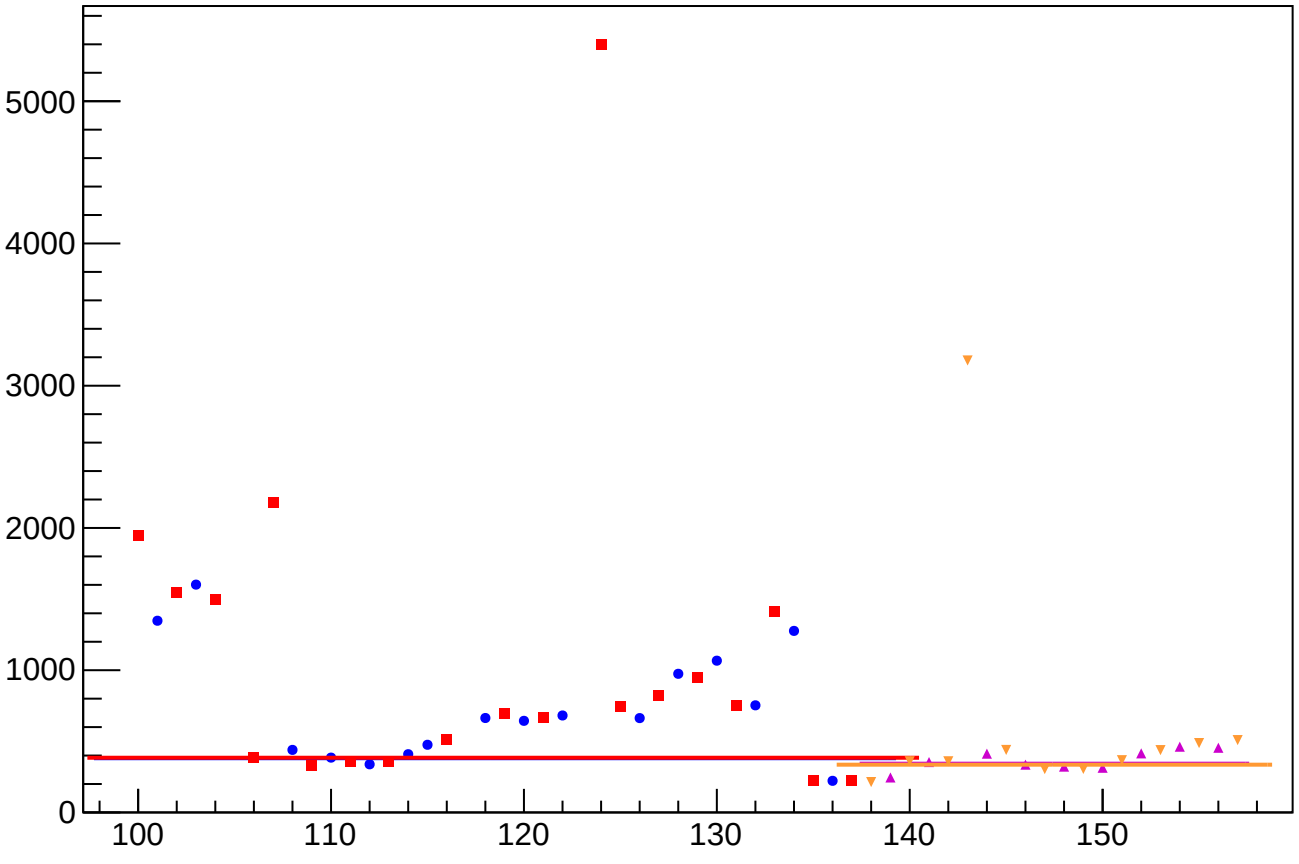
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -142.761+/-125.581 χ^2/NDF:4.3/8

+ sign -243.645+/-99.756 χ^2/NDF: 45.5/26

All: -196.450+/-70.953 χ^2/NDF: 66.1/54

- sign -148.128+/-100.939 χ^2/NDF: 20.1/27



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 335.838+/-0.087 χ^2/NDF:2392370.7/10

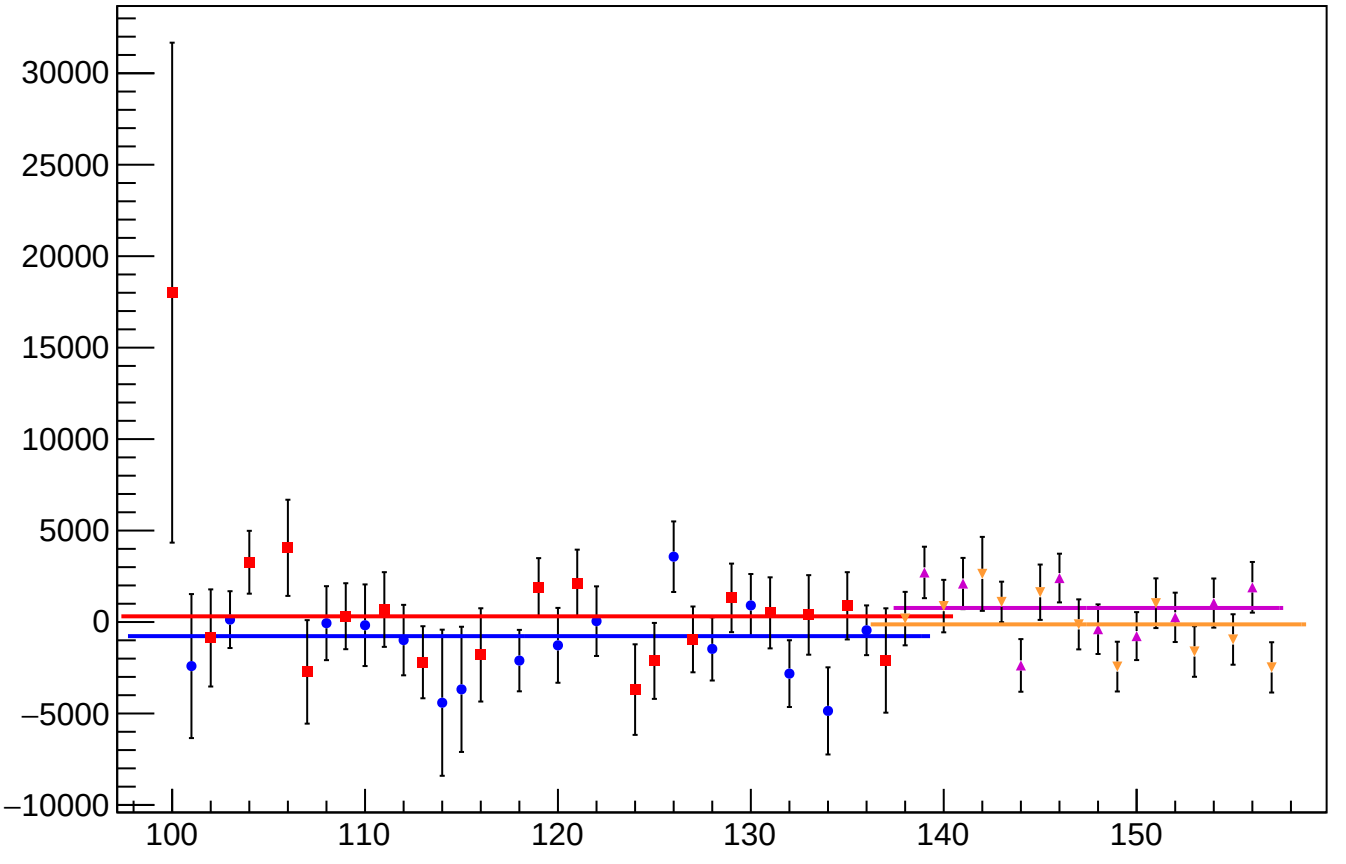
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 342.867+/-0.089 χ^2/NDF:590351.1/8

+ sign 351.514+/-0.071 χ^2/NDF: 6804292.7/26

All: 354.549+/-0.050 χ^2/NDF: 12036964.5/54

- sign 357.656+/-0.071 χ^2/NDF: 5228925.6/27



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -127.599+/-420.856 χ^2/NDF:13.0/10

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

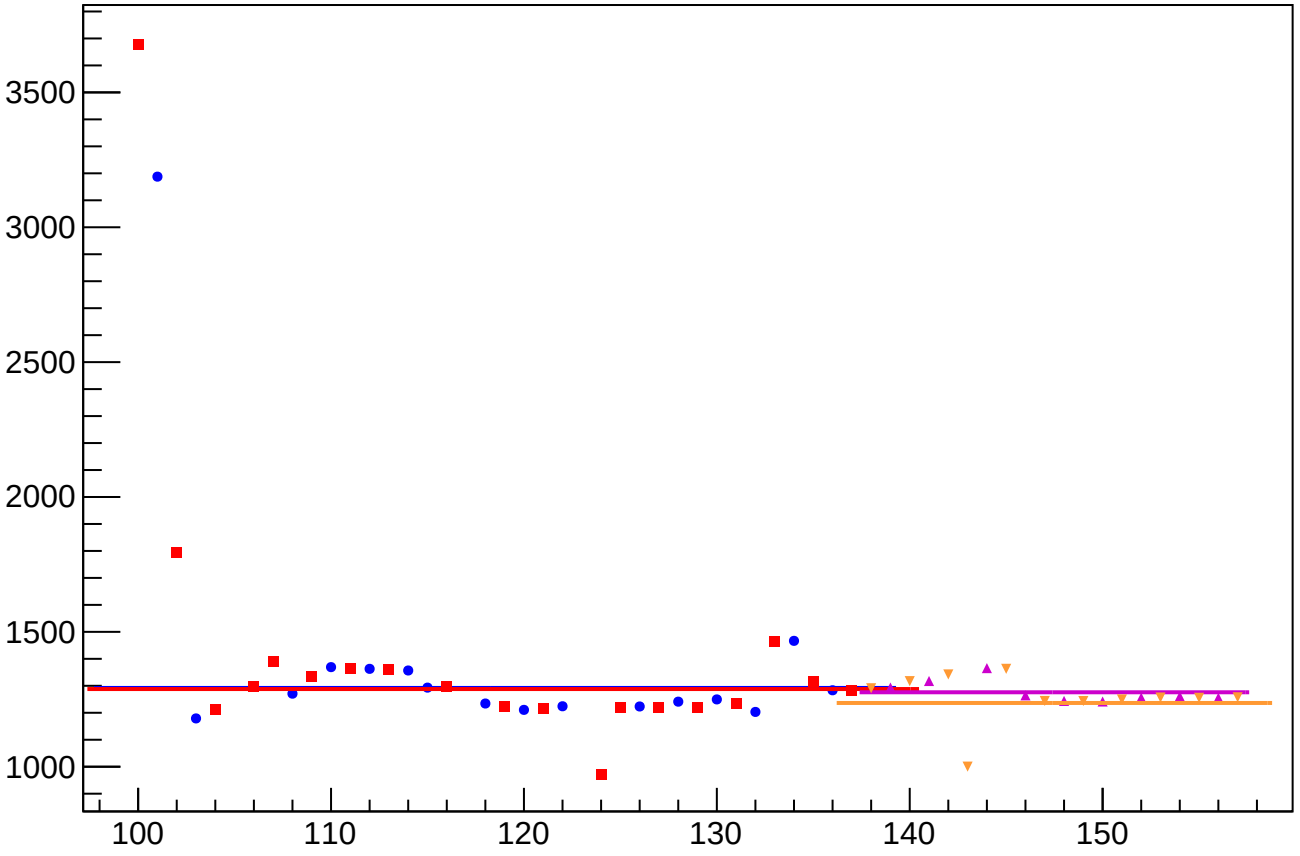
Left In: 768.446+/-455.848 χ^2/NDF:12.0/8

+ sign -401.207+/-319.152 χ^2/NDF: 27.6/26

All: 57.923+/-229.883 χ^2/NDF: 62.4/54

- sign 552.971+/-331.401 χ^2/NDF: 30.5/27

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1236.380+/-0.298 χ^2/NDF:121112.8/10

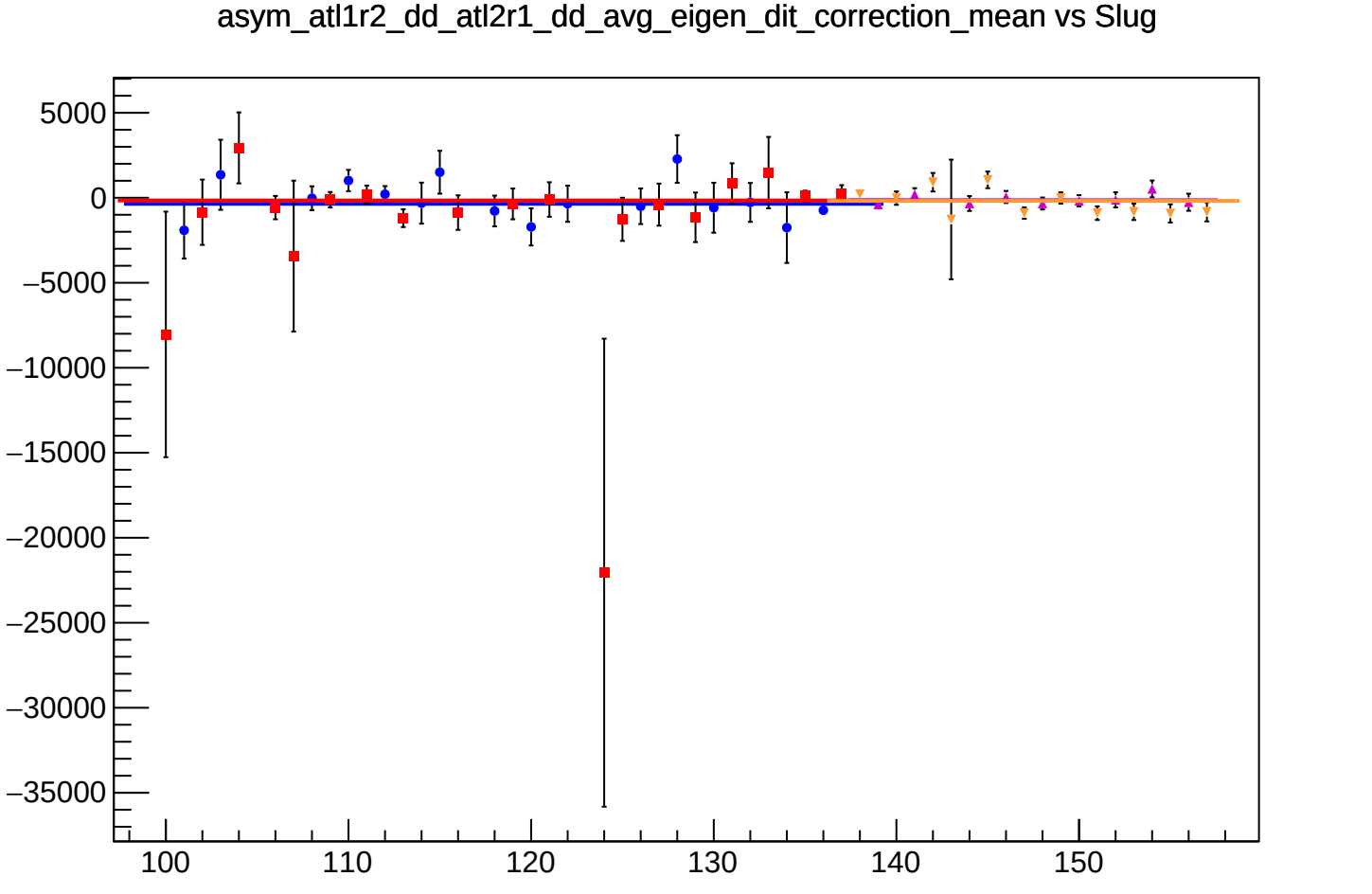
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1275.984+/-0.322 χ^2/NDF:13586.9/8

+ sign 1260.030+/-0.226 χ^2/NDF: 645382.6/26

All: 1270.430+/-0.163 χ^2/NDF: 873246.0/54

- sign 1281.644+/-0.234 χ^2/NDF: 223449.8/27



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -185.027+/-123.209 χ^2/NDF:26.4/10

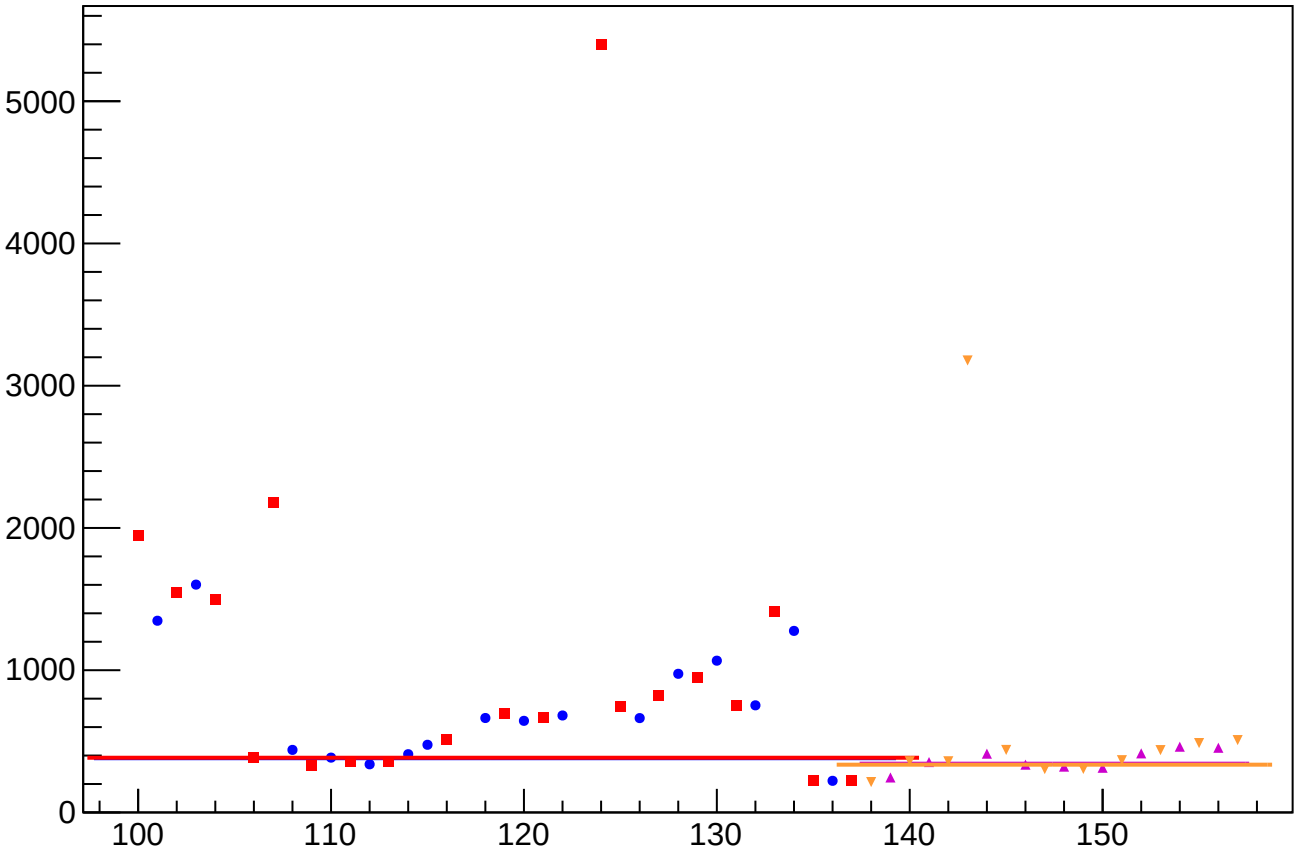
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -142.762+/-125.583 χ^2/NDF:4.3/8

+ sign -243.652+/-99.757 χ^2/NDF: 45.5/26

All: -196.454+/-70.954 χ^2/NDF: 66.1/54

- sign -148.130+/-100.940 χ^2/NDF: 20.1/27



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 335.845+/-0.087 χ^2/NDF:2392215.4/10

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

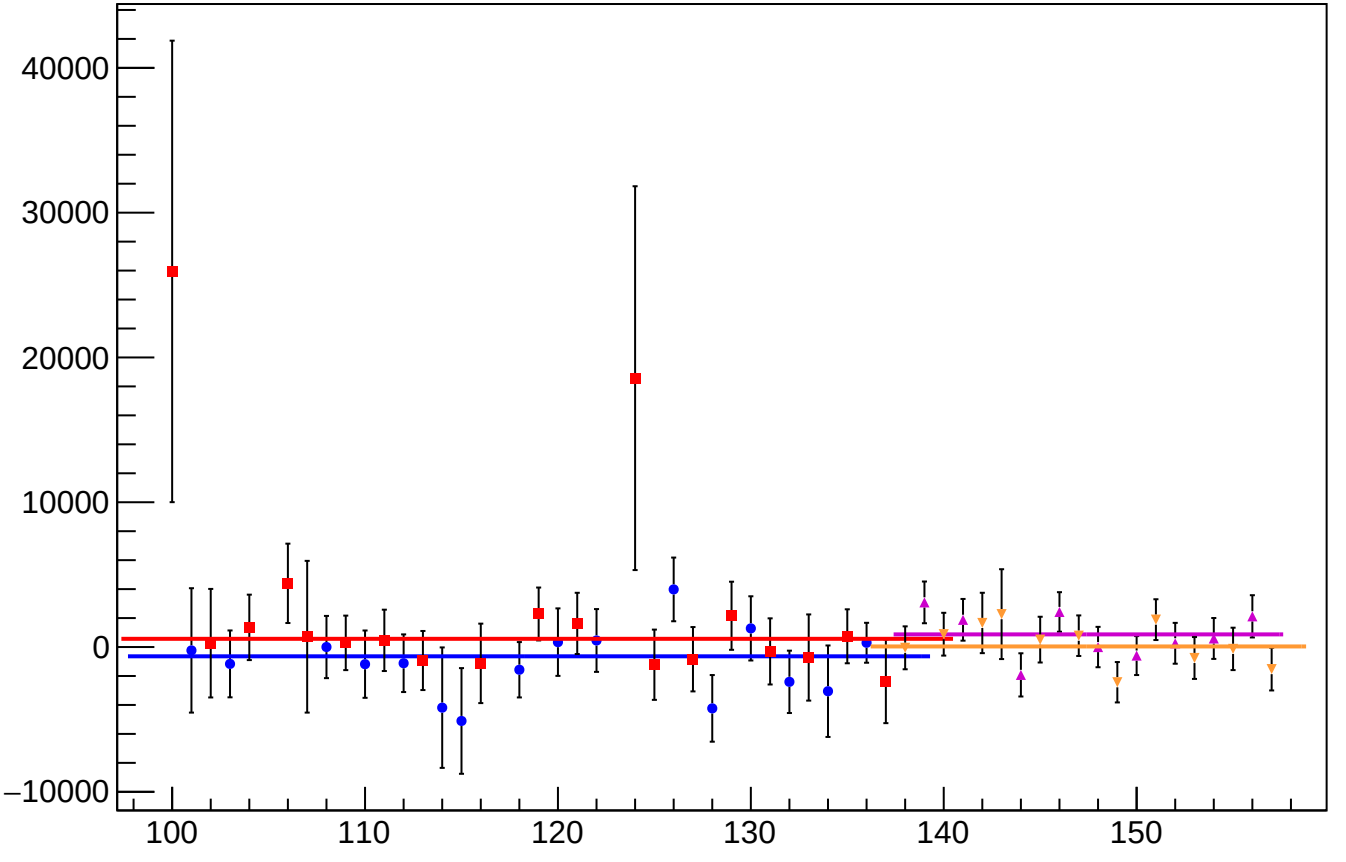
Left In: 342.872+/-0.089 χ^2/NDF:590261.4/8

+ sign 351.522+/-0.071 χ^2/NDF: 6803961.4/26

All: 354.556+/-0.050 χ^2/NDF: 12036409.5/54

- sign 357.662+/-0.071 χ^2/NDF: 5228704.7/27

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 40.365+/-467.204 χ^2/NDF:8.1/10

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

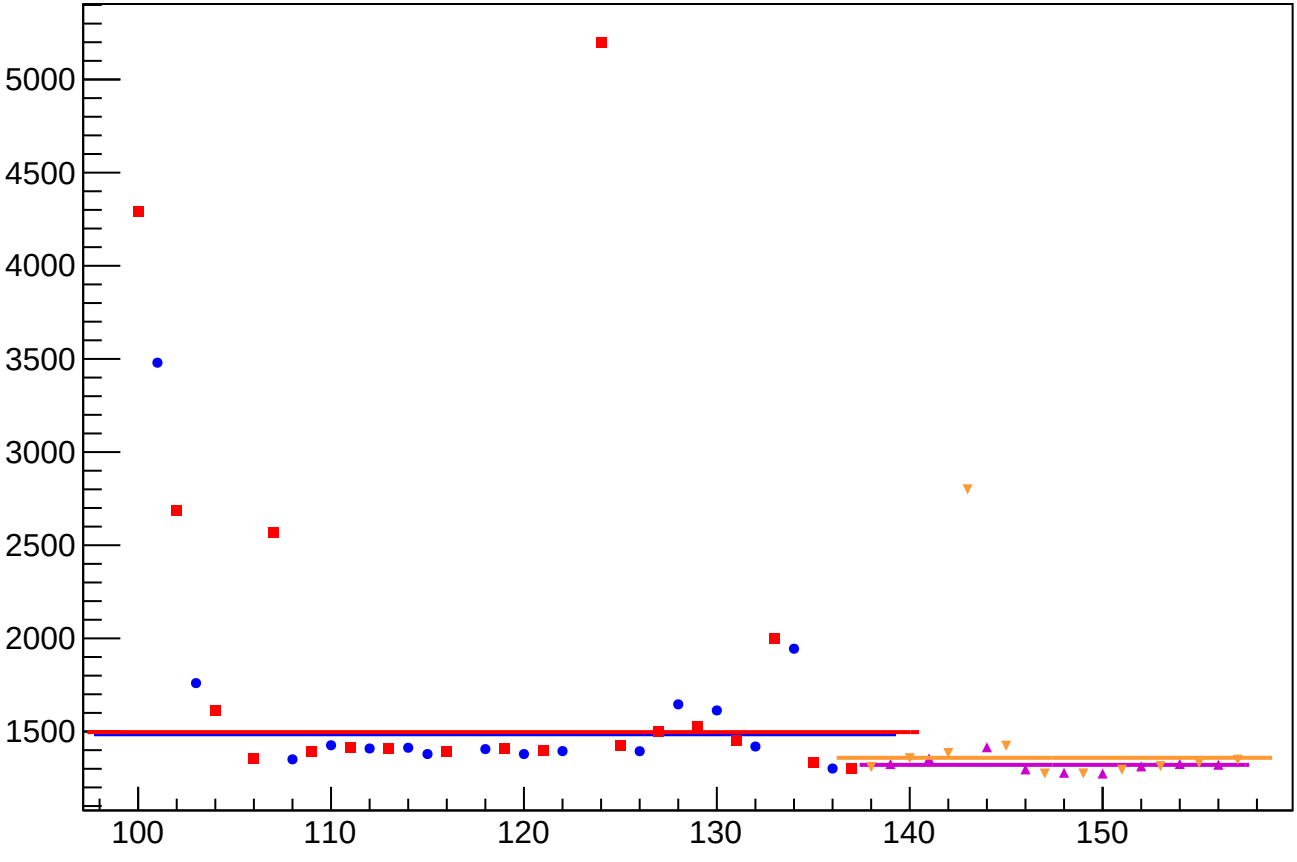
Left In: 873.767+/-471.969 χ^2/NDF:10.2/8

+ sign -236.634+/-359.887 χ^2/NDF: 21.5/26

All: 251.997+/-255.462 χ^2/NDF: 46.9/54

- sign 748.255+/-362.684 χ^2/NDF: 21.7/27

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1358.926+/-0.330 χ^2/NDF:458776.4/10

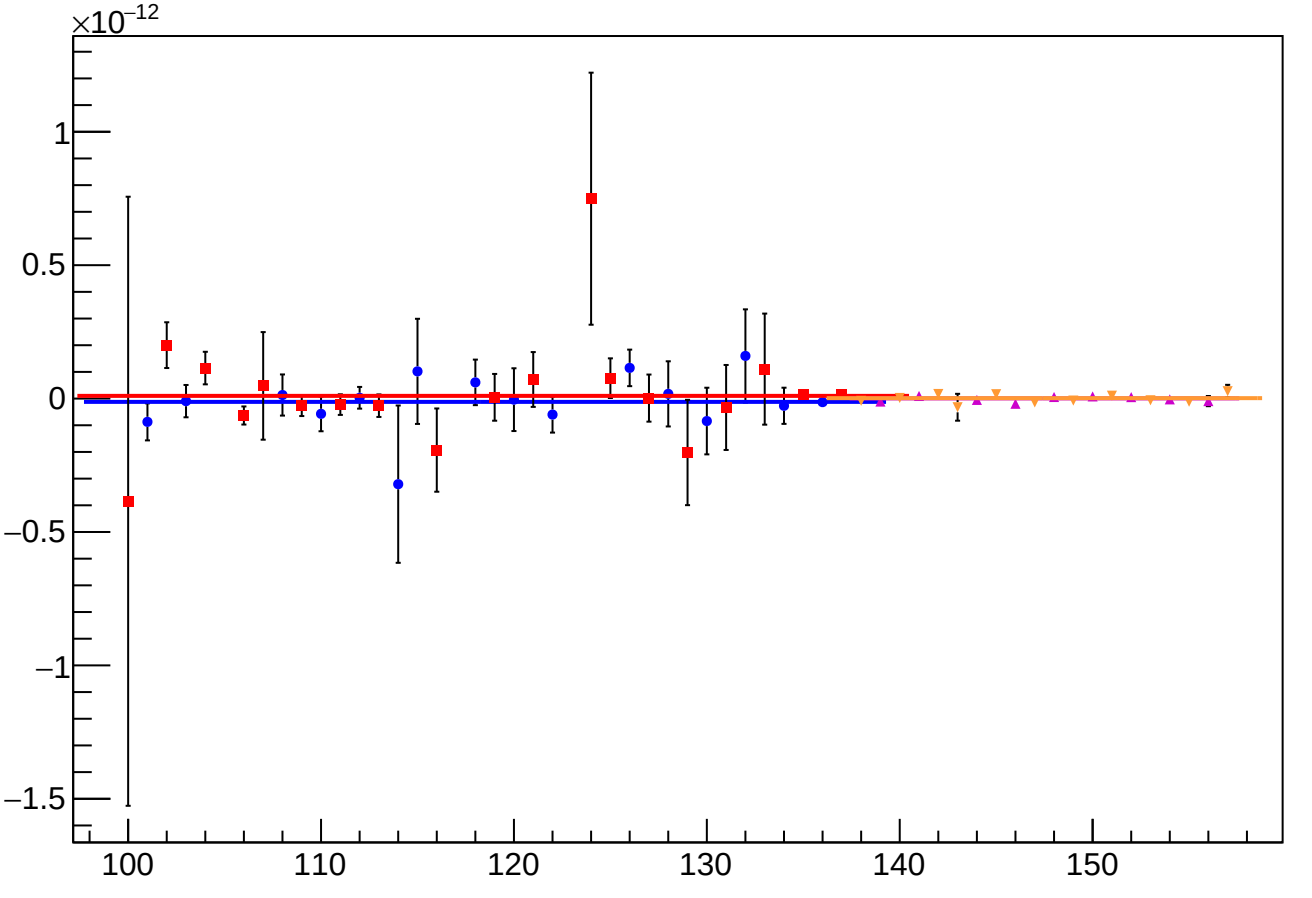
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.043+/-0.334 χ^2/NDF:14125.3/8

+ sign 1410.344+/-0.254 χ^2/NDF: 1102815.7/26

All: 1401.759+/-0.181 χ^2/NDF: 1856183.6/54

- sign 1393.040+/-0.256 χ^2/NDF: 751074.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/10

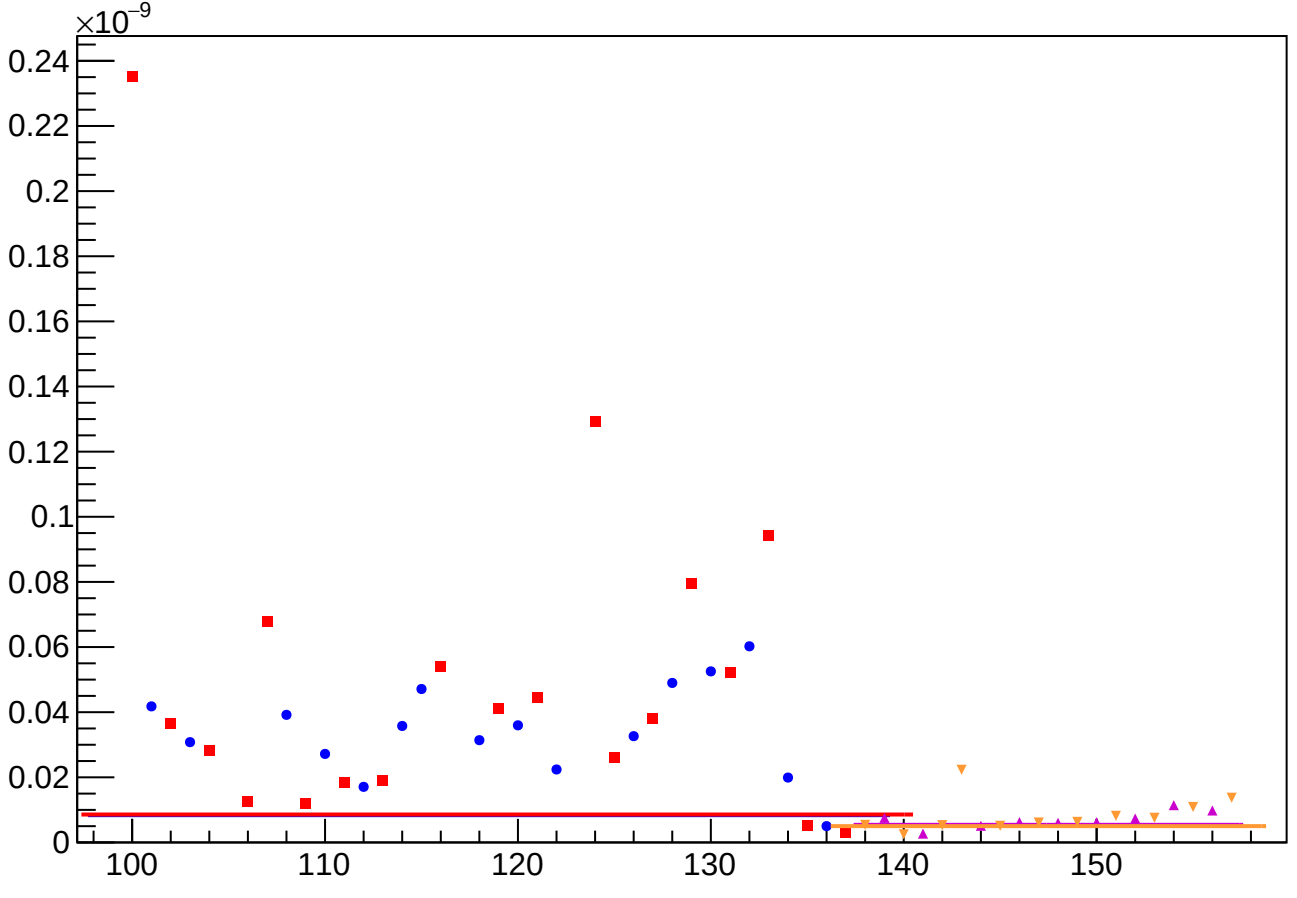
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/26

All: 0.000+/-0.000 χ^2/NDF: 57.6/54

- sign 0.000+/-0.000 χ^2/NDF: 32.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1521180.8/10

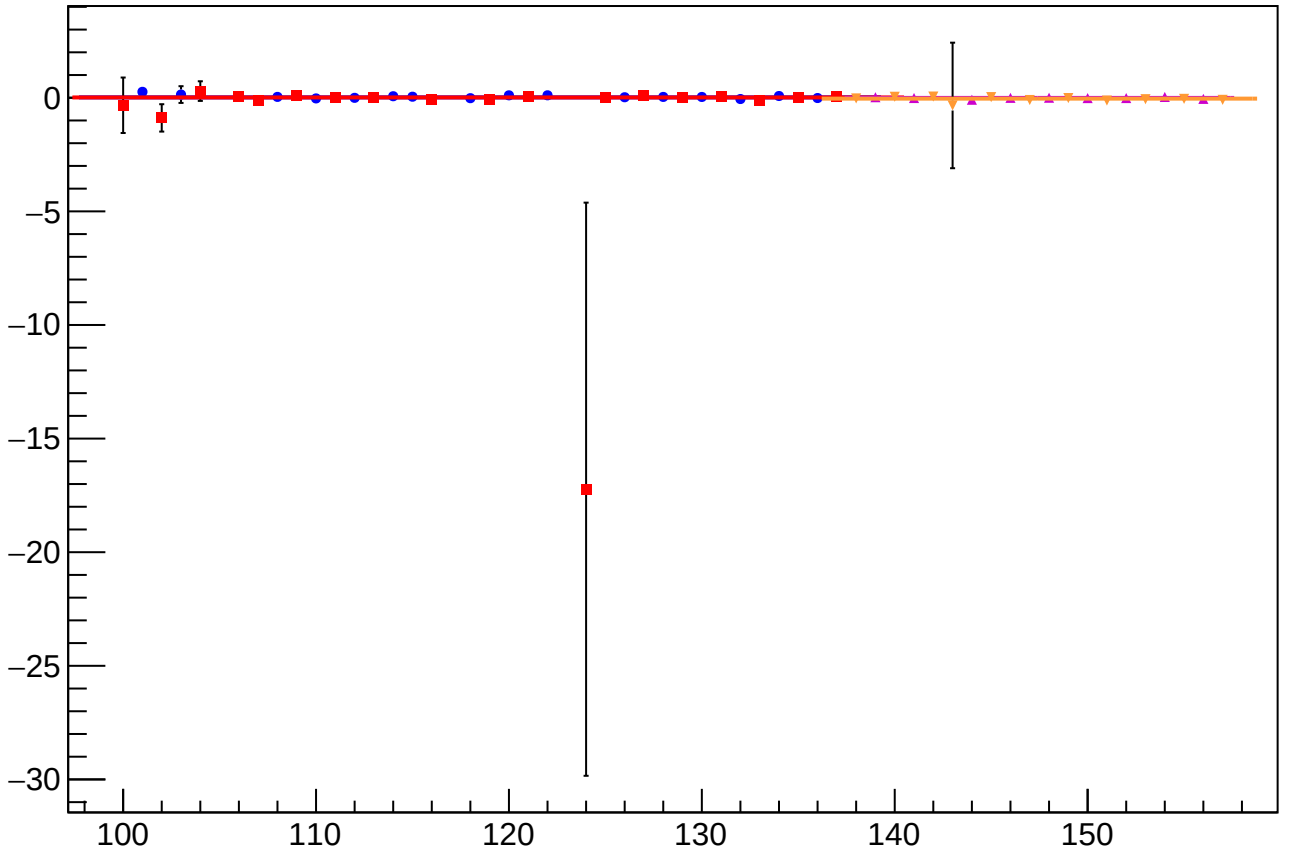
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:920257.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 4933632.6/26

All: 0.000+/-0.000 χ^2/NDF: 9486787.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4536719.2/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

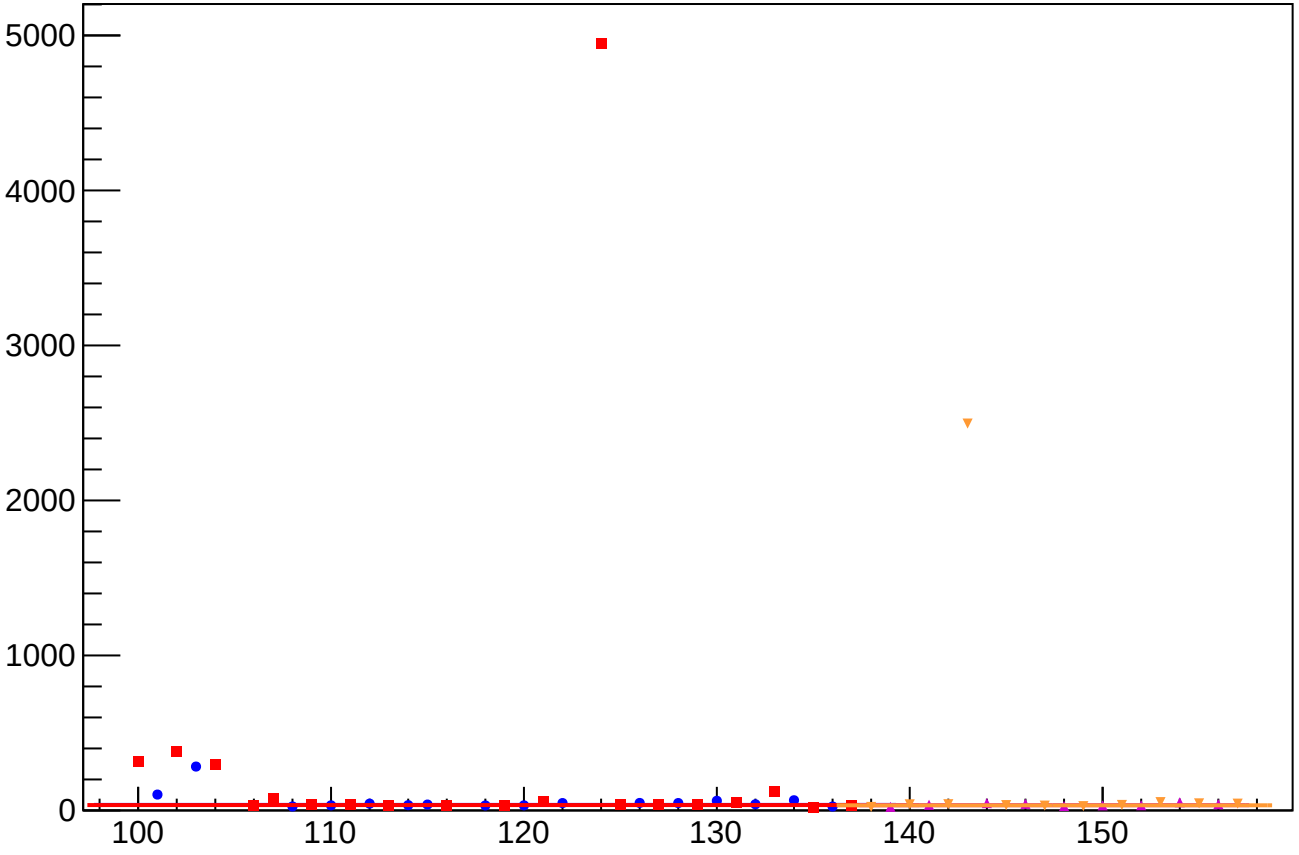
Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

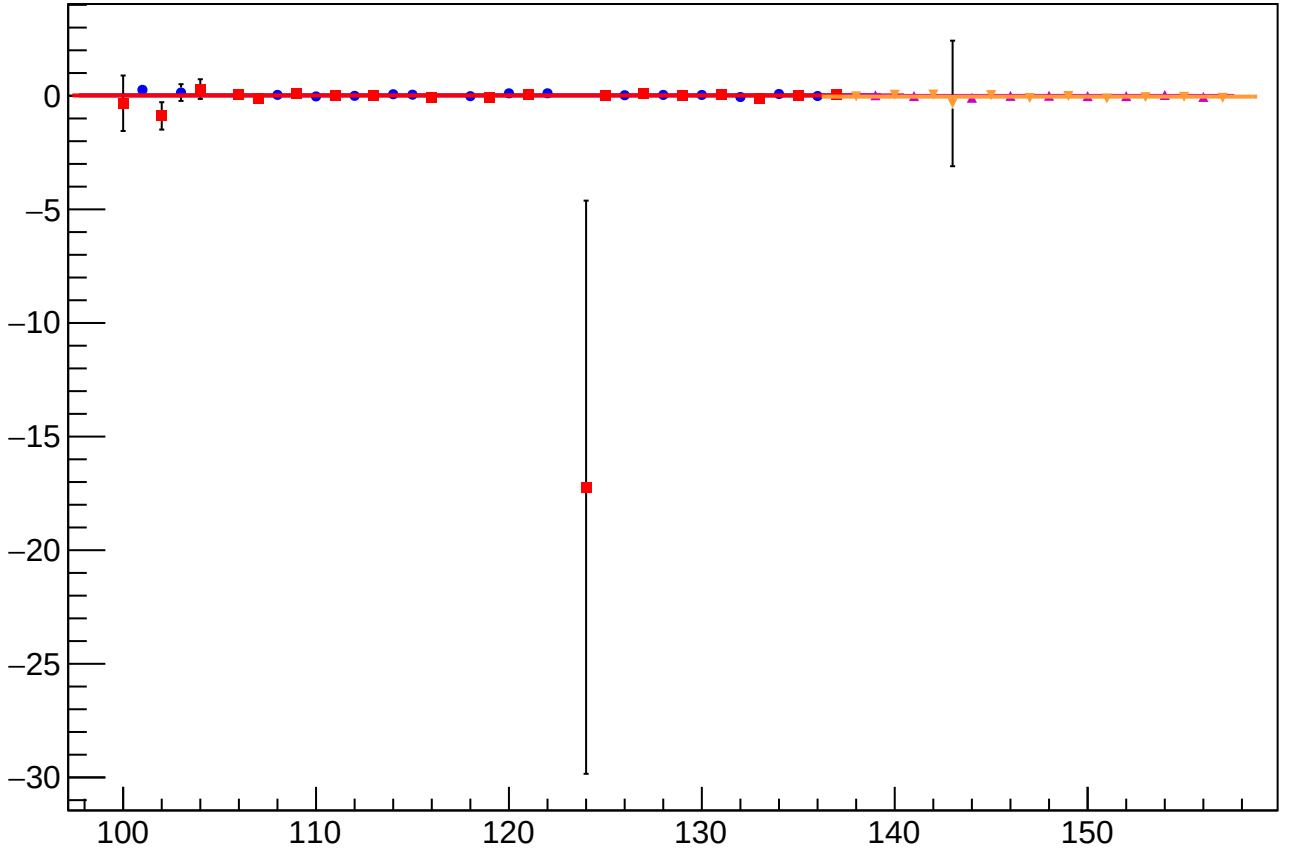
Left In: 34.278+/-0.010 χ^2/NDF:758169.4/8

\+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.391+/-0.005 χ^2/NDF: 8411538.3/54

\- sign 34.500+/-0.007 χ^2/NDF: 3673566.2/27

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

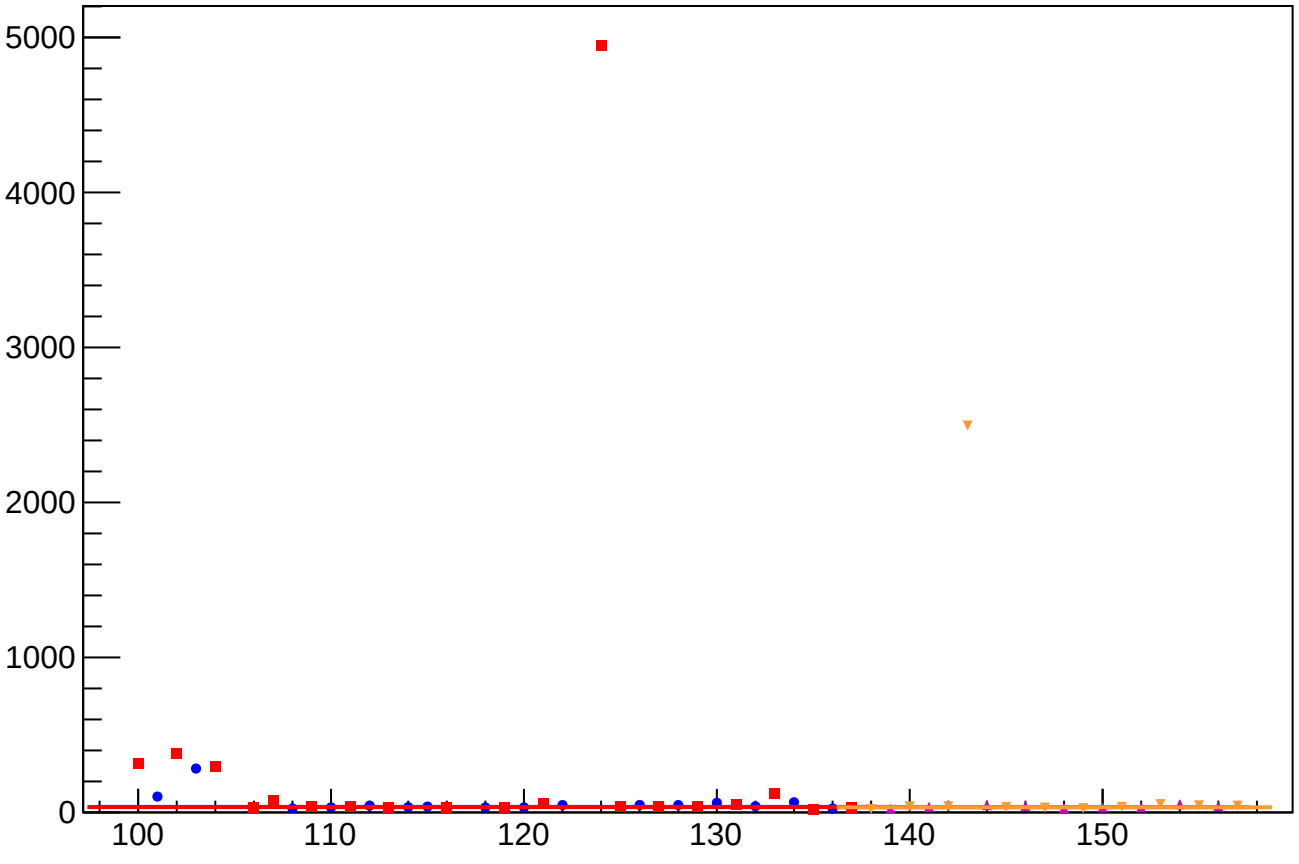
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442305.3/10

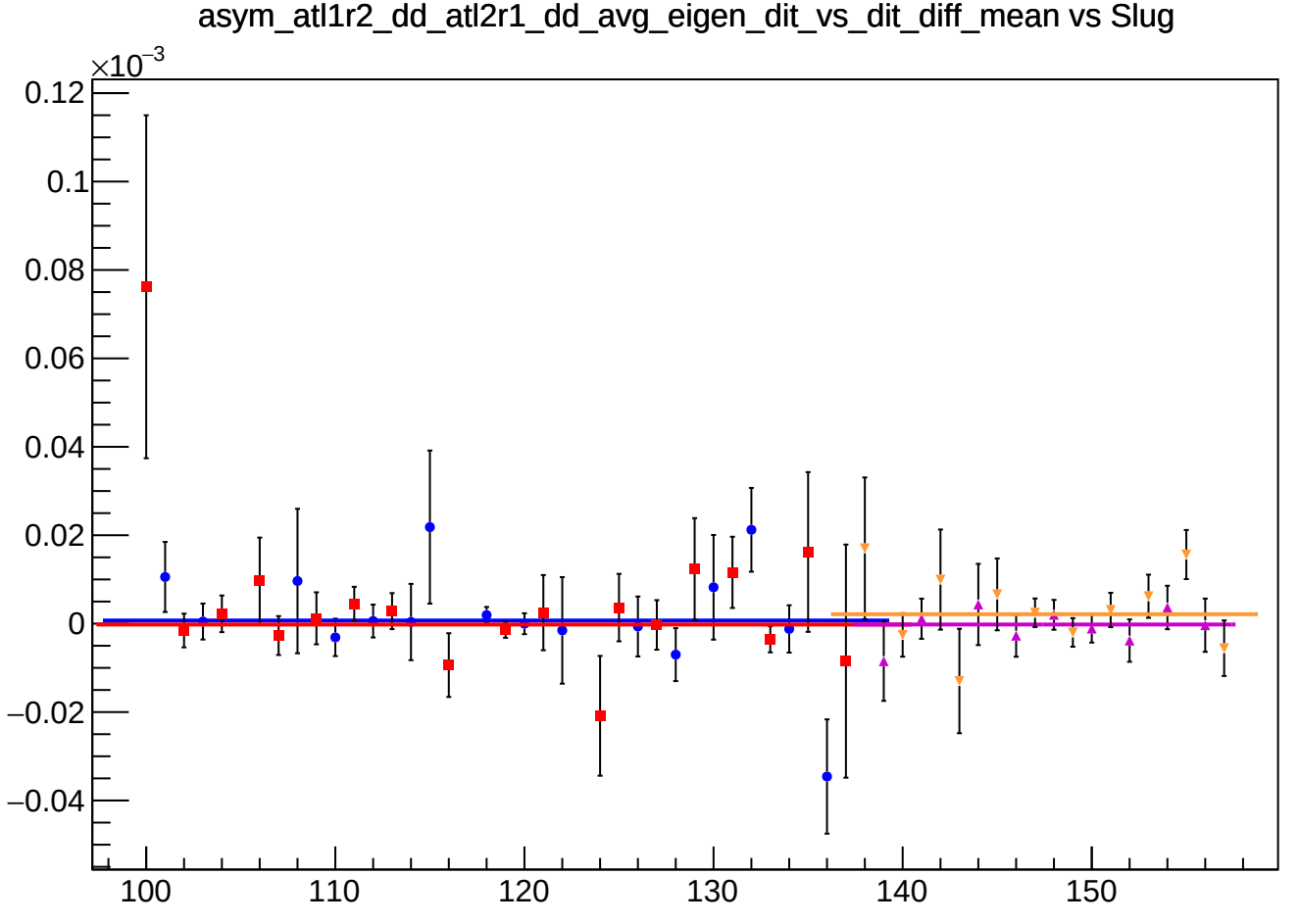
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.278+/-0.010 χ^2/NDF:758169.4/8

+ sign 34.286+/-0.007 χ^2/NDF: 4737523.6/26

All: 34.391+/-0.005 χ^2/NDF: 8411538.3/54

- sign 34.500+/-0.007 χ^2/NDF: 3673566.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

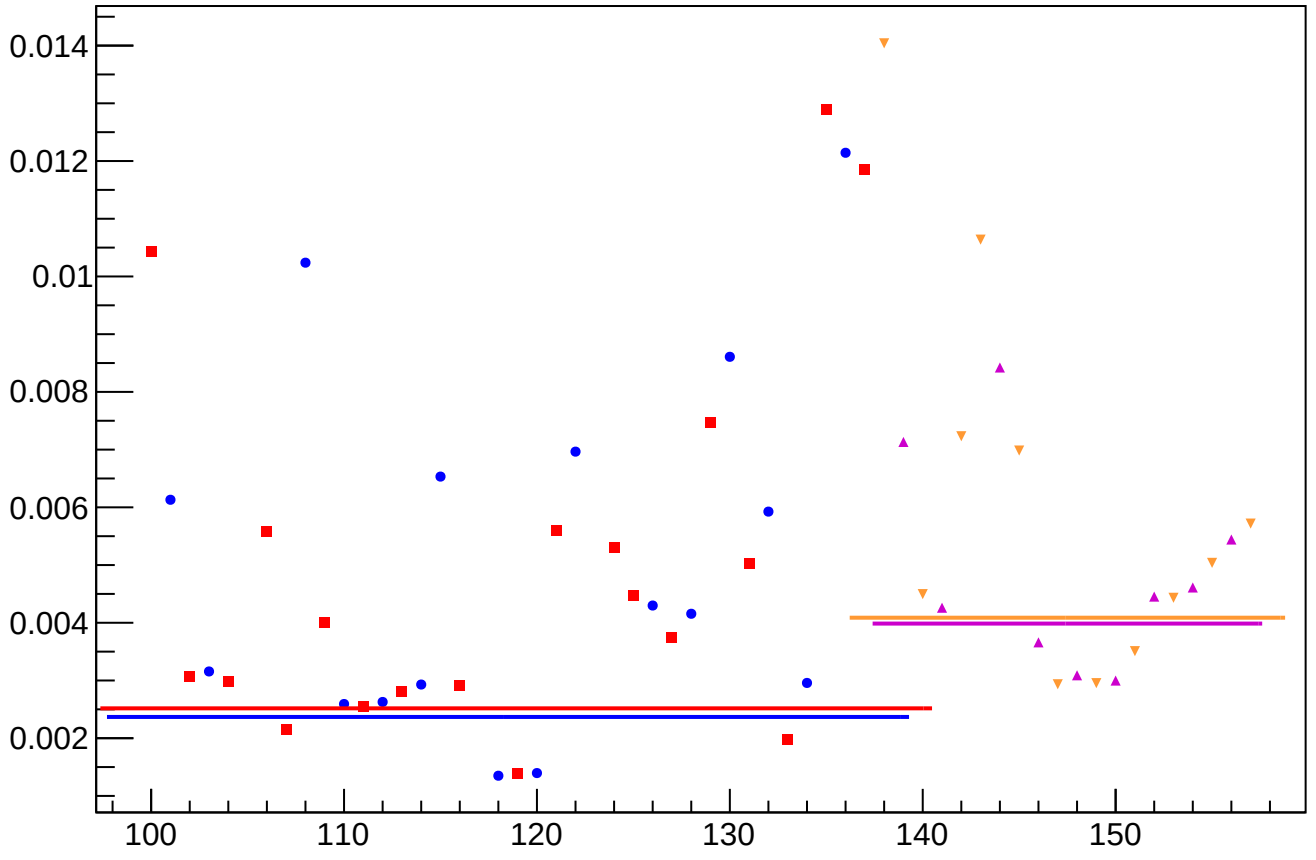
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/26

All: 0.000+/-0.000 χ^2/NDF: 56.1/54

- sign -0.000+/-0.000 χ^2/NDF: 21.2/27



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2556670.1/10

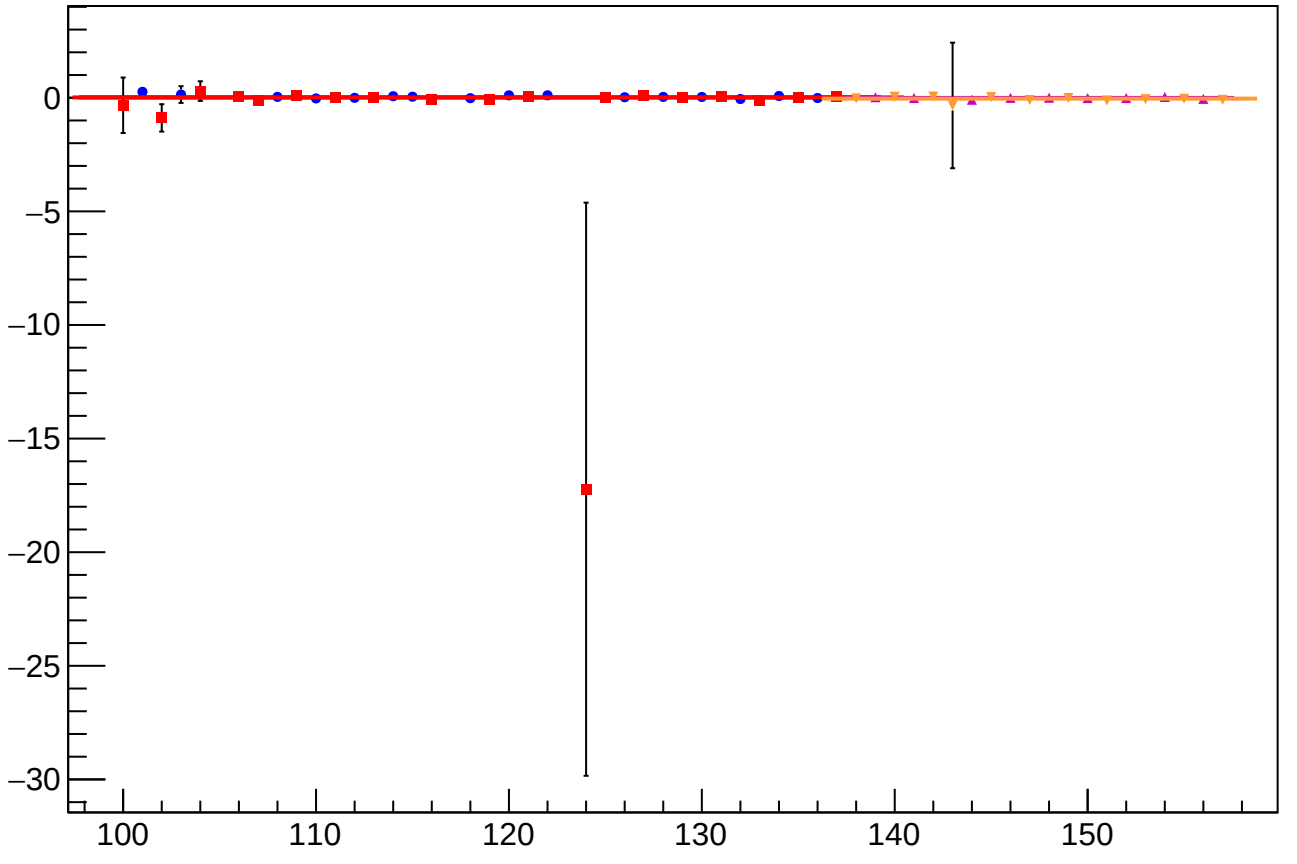
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1232451.2/8

+ sign 0.003+/-0.000 χ^2/NDF: 8951782.0/26

All: 0.003+/-0.000 χ^2/NDF: 14803446.0/54

- sign 0.003+/-0.000 χ^2/NDF: 5850902.3/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

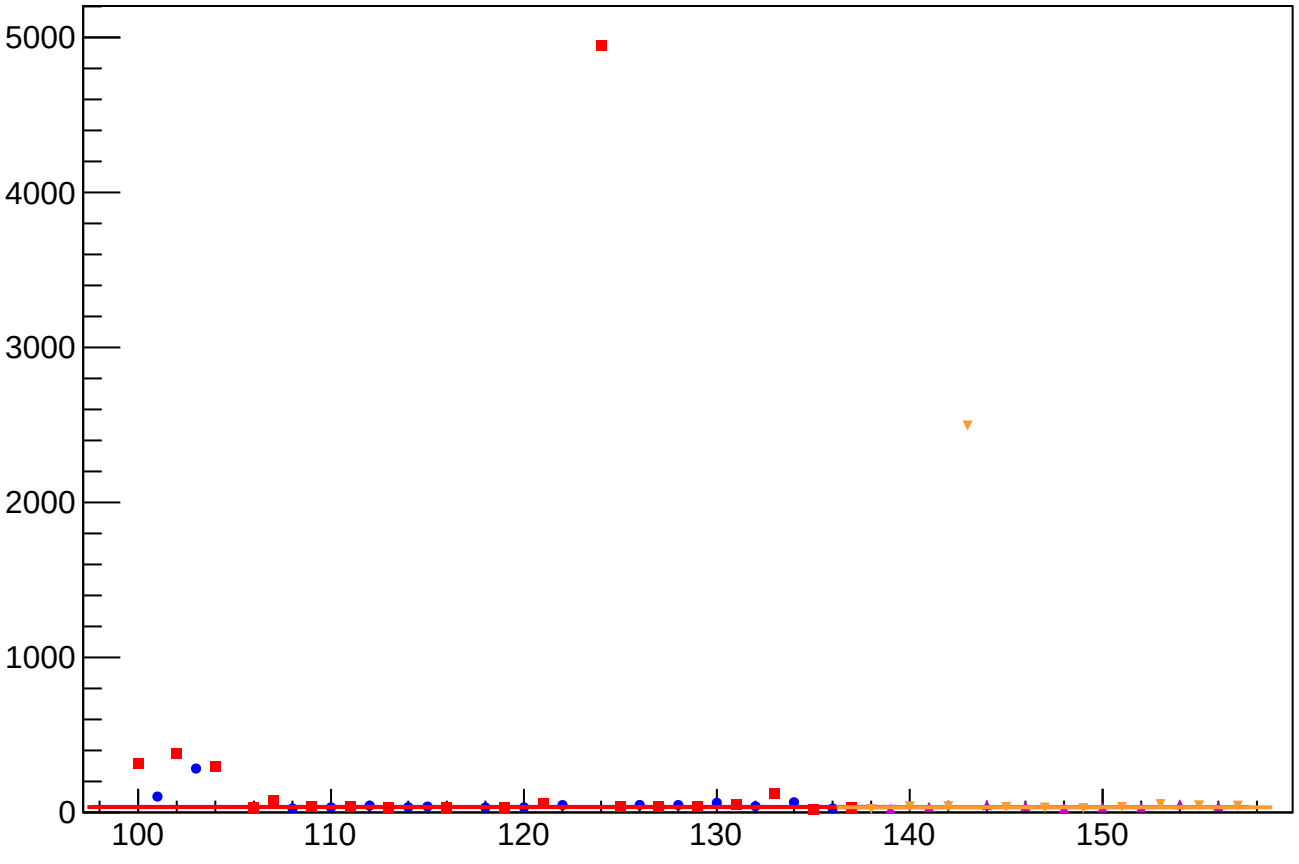
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

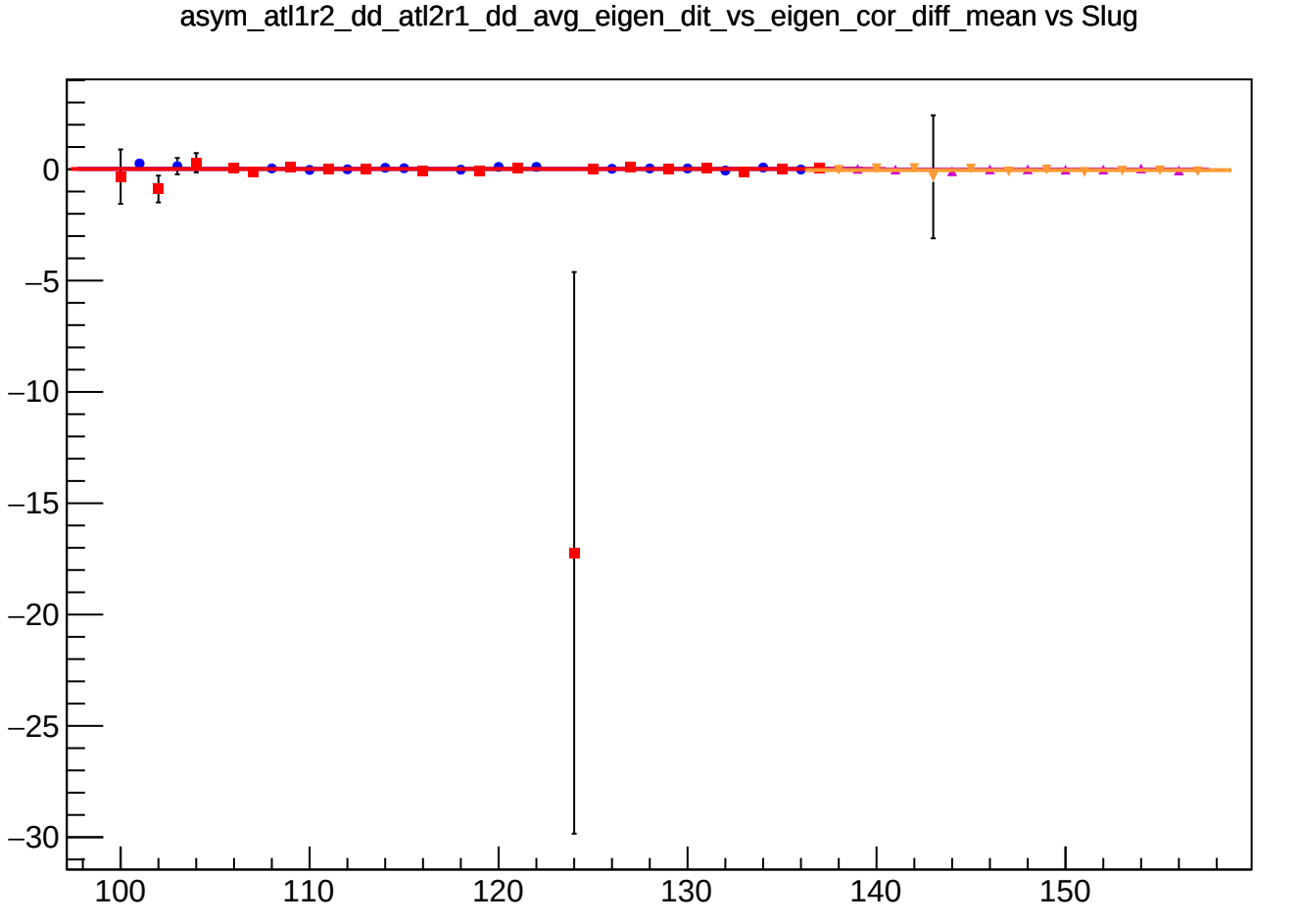
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.276+/-0.010 χ^2/NDF:758622.9/8

\+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

All: 34.391+/-0.005 χ^2/NDF: 8411862.6/54

\- sign 34.500+/-0.007 χ^2/NDF: 3673858.2/27



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.013 χ^2/NDF:16.5/10

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

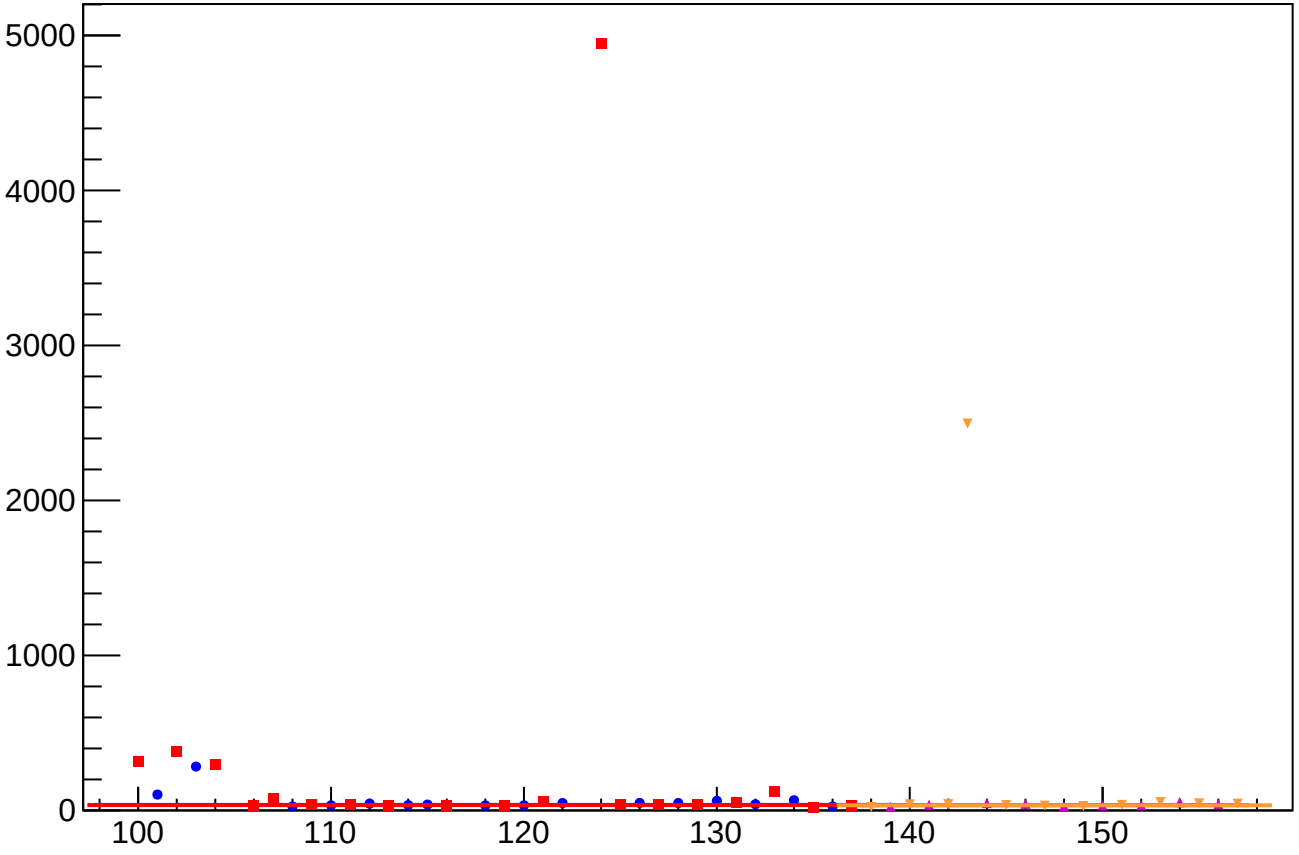
Left In: -0.007+/-0.014 χ^2/NDF:4.9/8

+ sign -0.016+/-0.010 χ^2/NDF: 35.4/26

All: -0.007+/-0.007 χ^2/NDF: 58.9/54

- sign 0.002+/-0.010 χ^2/NDF: 21.9/27

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 33.247+/-0.009 χ^2/NDF:2442580.7/10

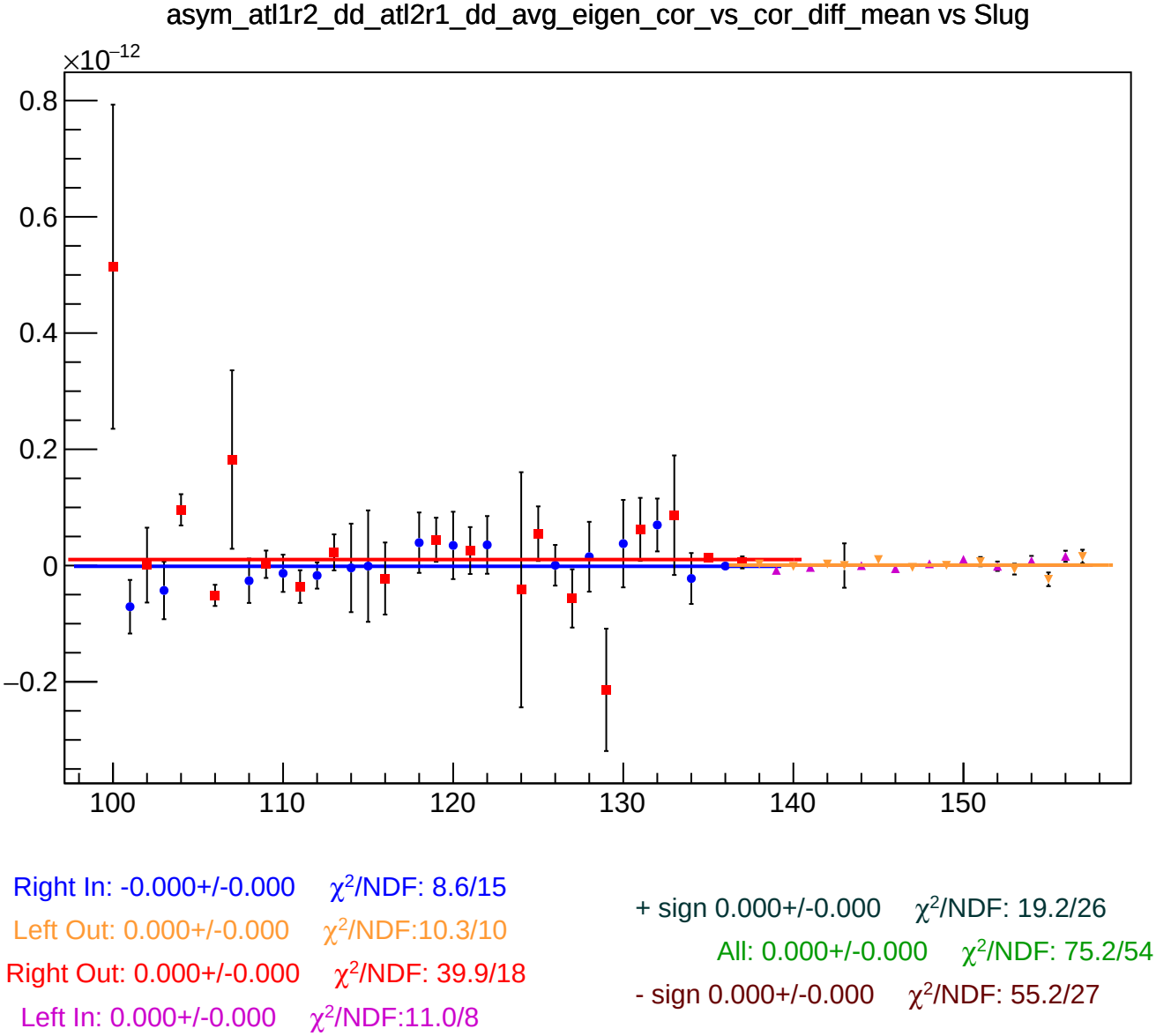
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

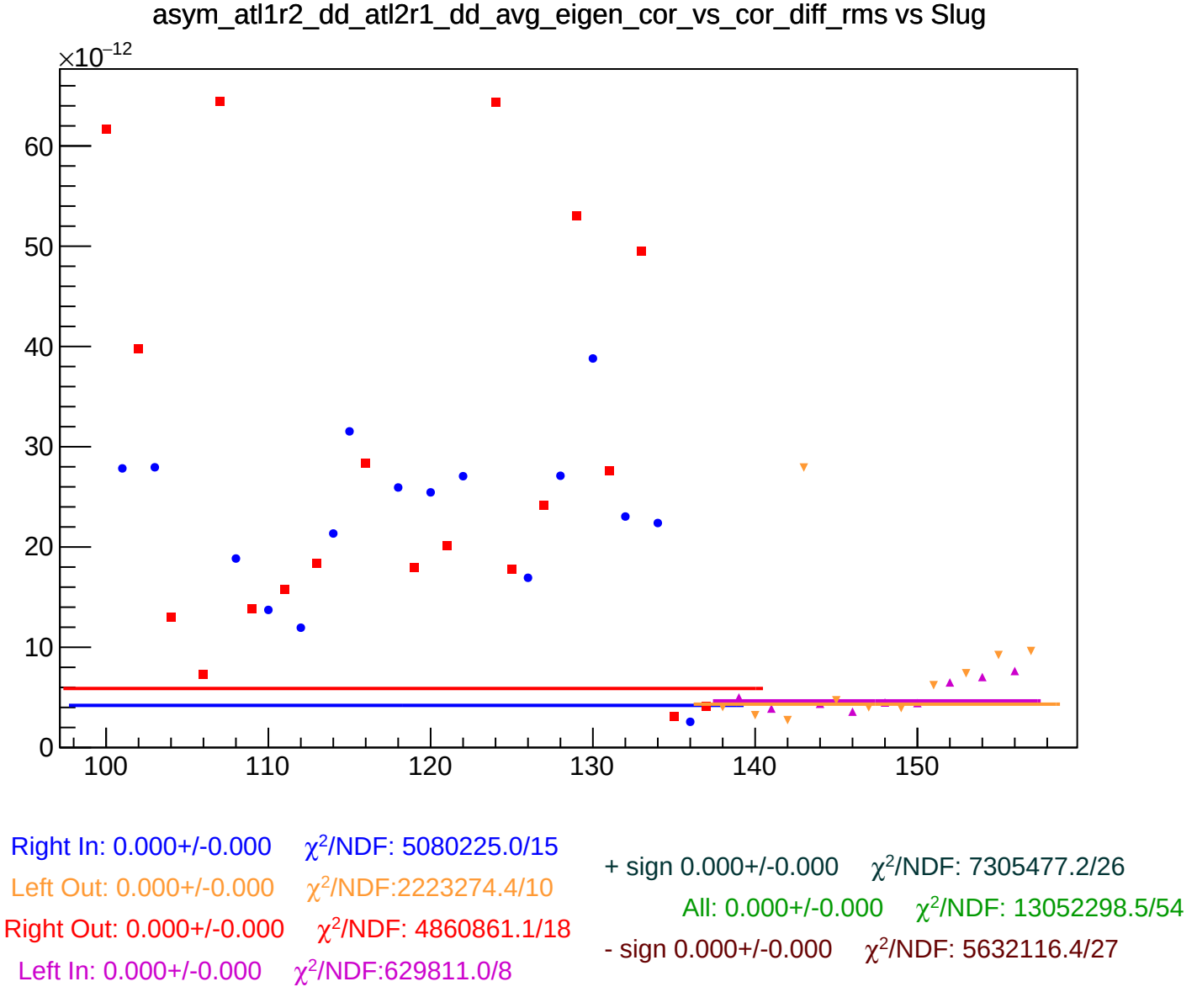
Left In: 34.276+/-0.010 χ^2/NDF:758622.9/8

+ sign 34.287+/-0.007 χ^2/NDF: 4737560.8/26

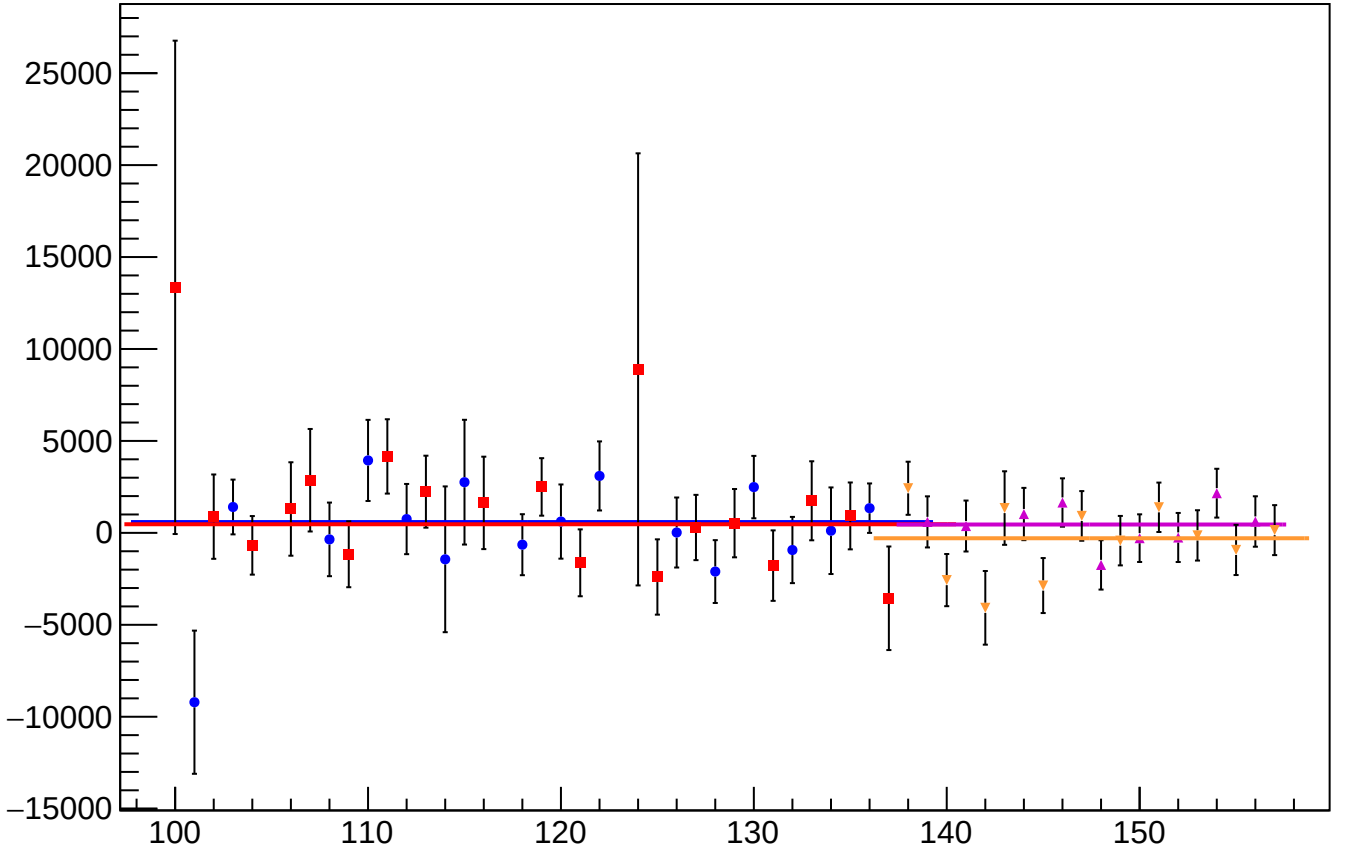
All: 34.391+/-0.005 χ^2/NDF: 8411862.6/54

- sign 34.500+/-0.007 χ^2/NDF: 3673858.2/27


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:11.0/8
+ sign 0.000+/-0.000 χ²/NDF: 19.2/26
All: 0.000+/-0.000 χ²/NDF: 75.2/54
- sign 0.000+/-0.000 χ²/NDF: 55.2/27


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2223274.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:629811.0/8
+ sign 0.000+/-0.000 χ²/NDF: 7305477.2/26
All: 0.000+/-0.000 χ²/NDF: 13052298.5/54
- sign 0.000+/-0.000 χ²/NDF: 5632116.4/27

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -292.982+/-438.941 χ^2/NDF:16.0/10

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

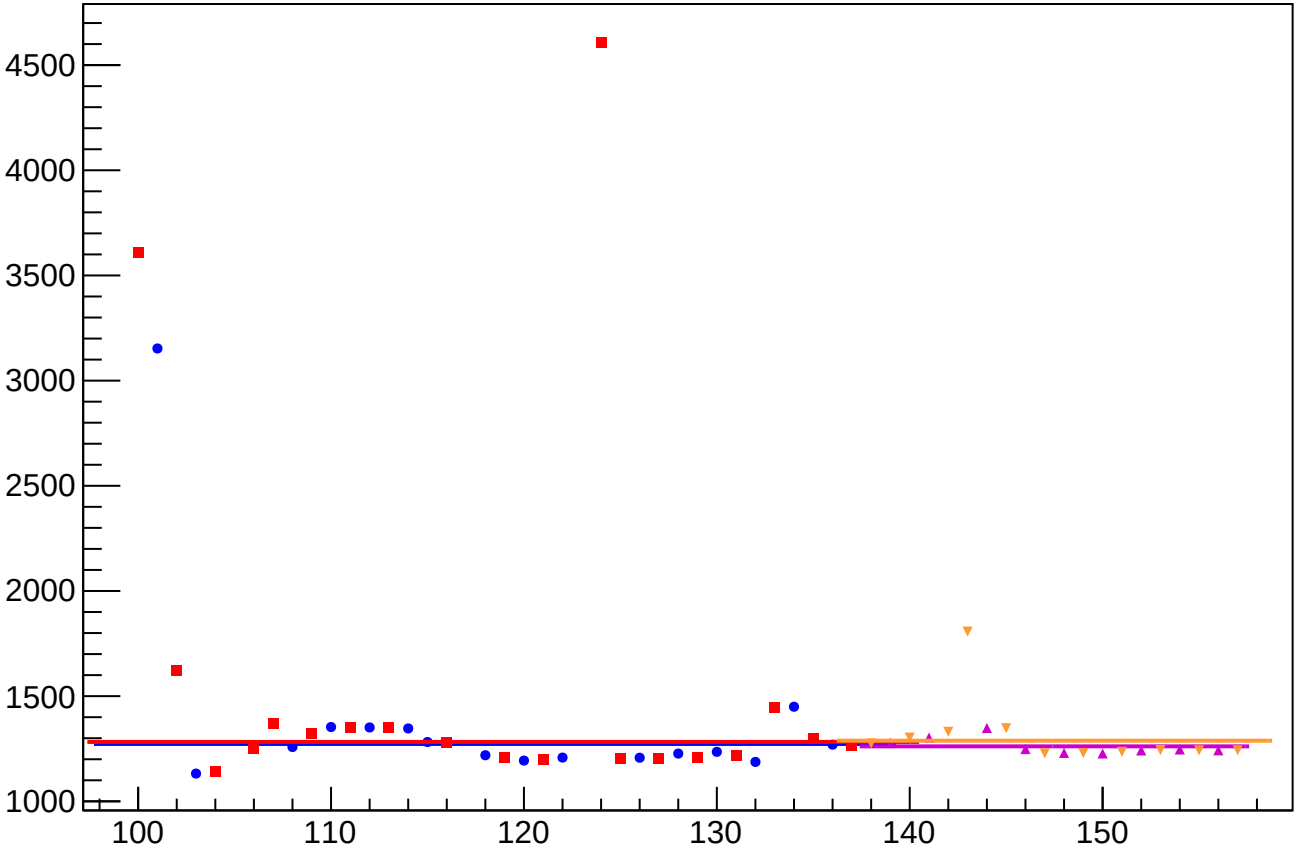
Left In: 454.369+/-450.602 χ^2/NDF:6.0/8

+ sign 105.533+/-324.668 χ^2/NDF: 34.9/26

All: 281.187+/-230.984 χ^2/NDF: 58.3/54

- sign 461.221+/-328.690 χ^2/NDF: 22.8/27

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

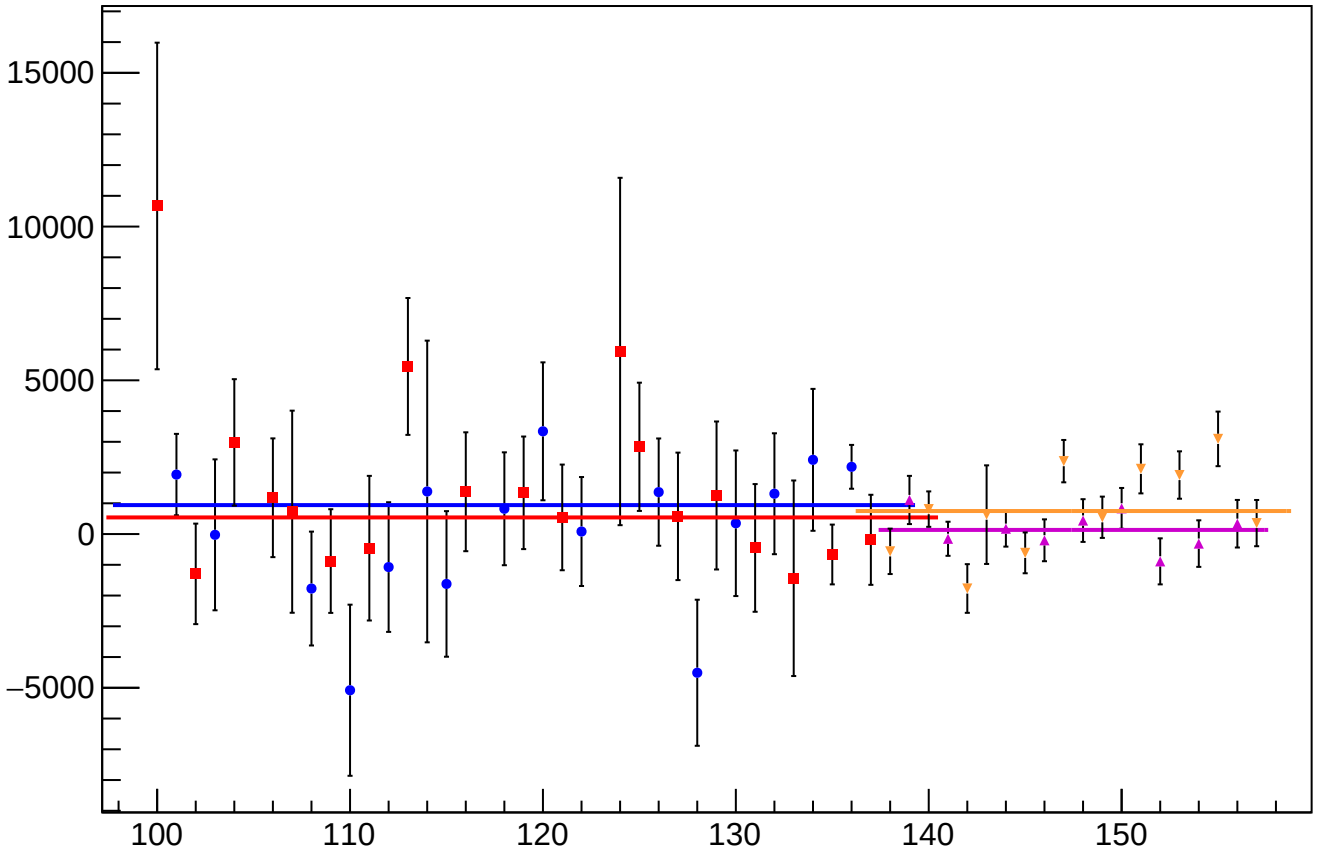
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676796.9/26

All: 1276.272+/-0.163 χ^2/NDF: 1015217.0/54

- sign 1271.177+/-0.232 χ^2/NDF: 337470.5/27



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 748.783+/-225.229 χ^2/NDF:35.7/10

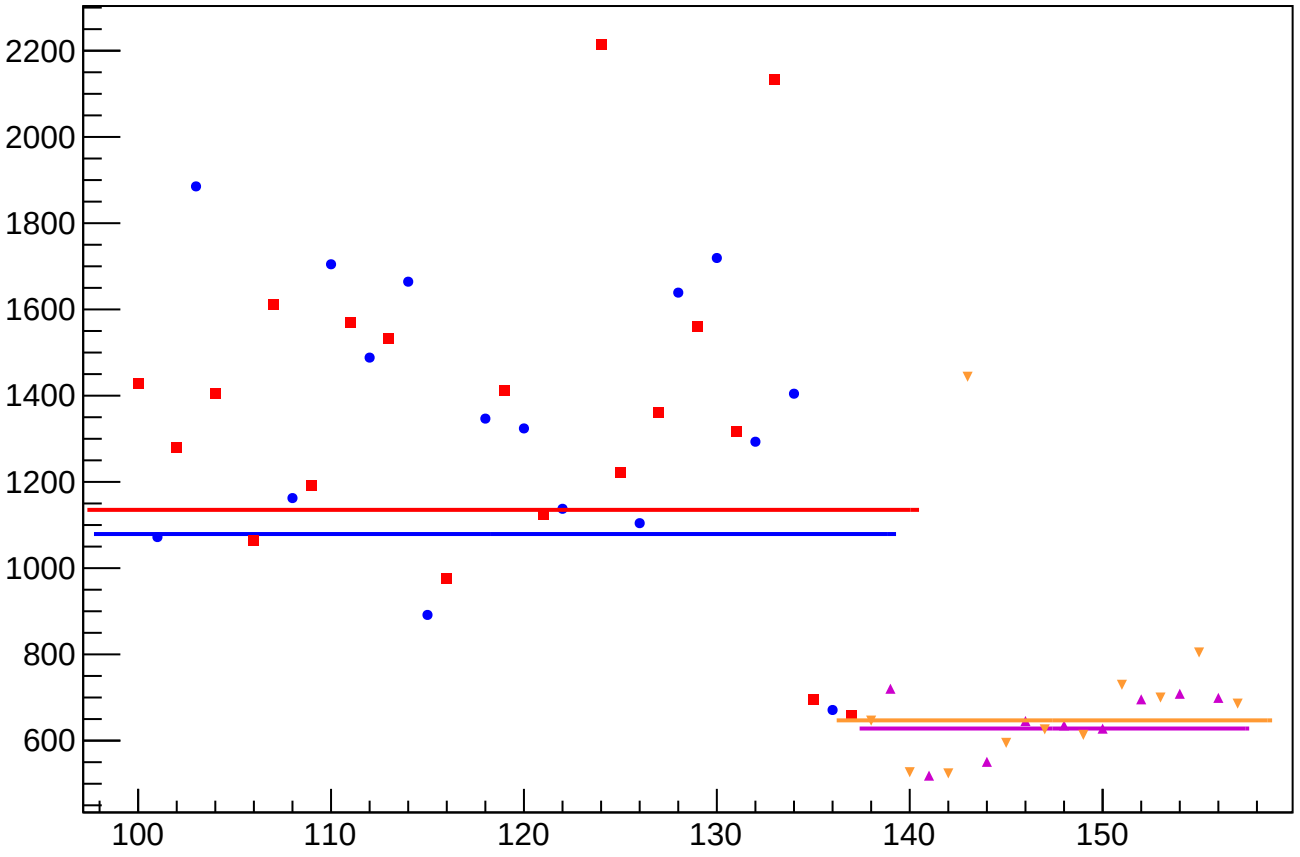
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 134.381+/-226.310 χ^2/NDF:5.7/8

\+ sign 790.967+/-199.096 χ^2/NDF: 55.7/26

All: 508.245+/-141.535 χ^2/NDF: 83.3/54

\- sign 219.397+/-201.241 χ^2/NDF: 23.5/27



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 646.986+/-0.159 χ^2/NDF:747493.9/10

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

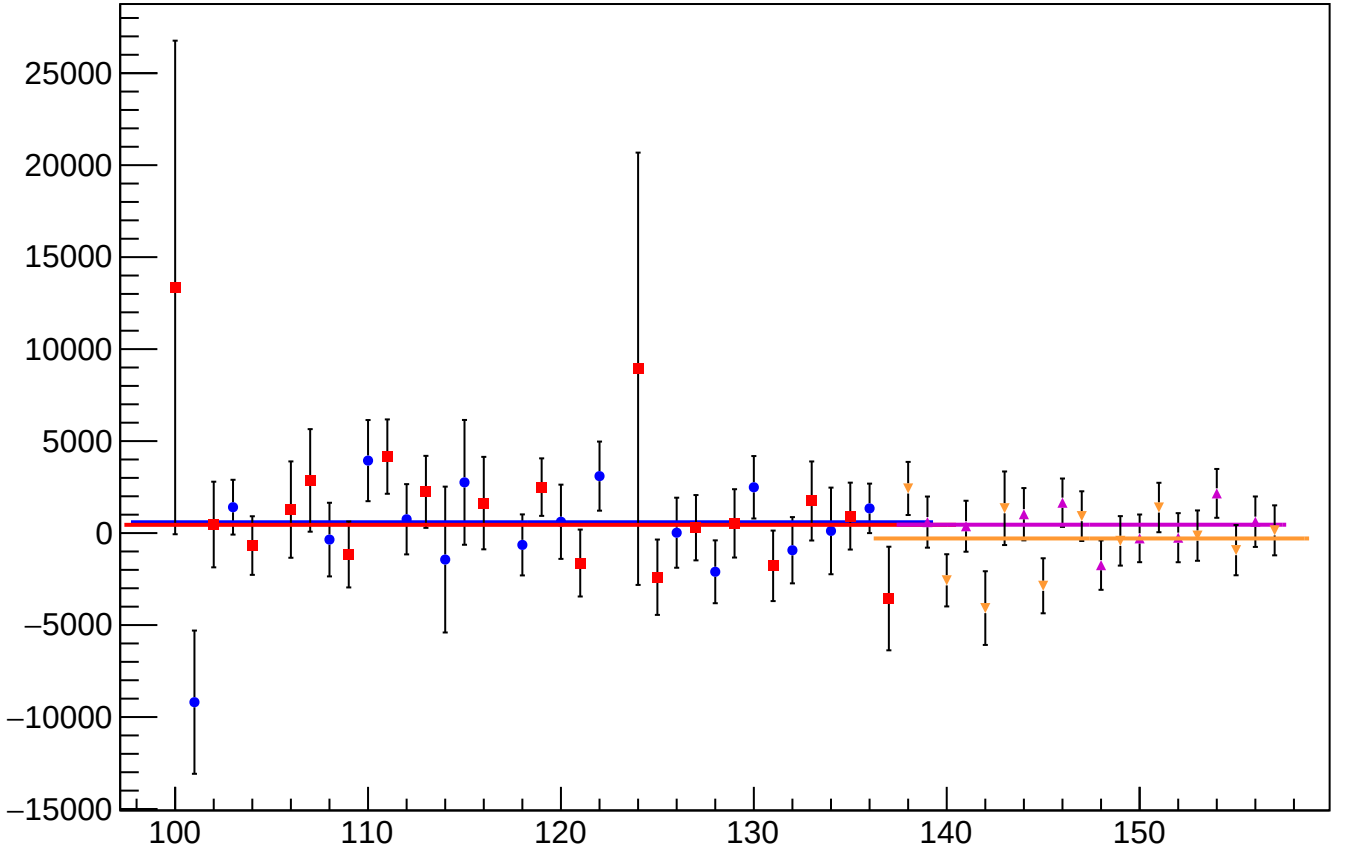
Left In: 628.063+/-0.160 χ^2/NDF:198002.0/8

+ sign 741.448+/-0.141 χ^2/NDF: 3839095.8/26

All: 737.856+/-0.100 χ^2/NDF: 7432955.8/54

- sign 734.186+/-0.142 χ^2/NDF: 3592543.9/27

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

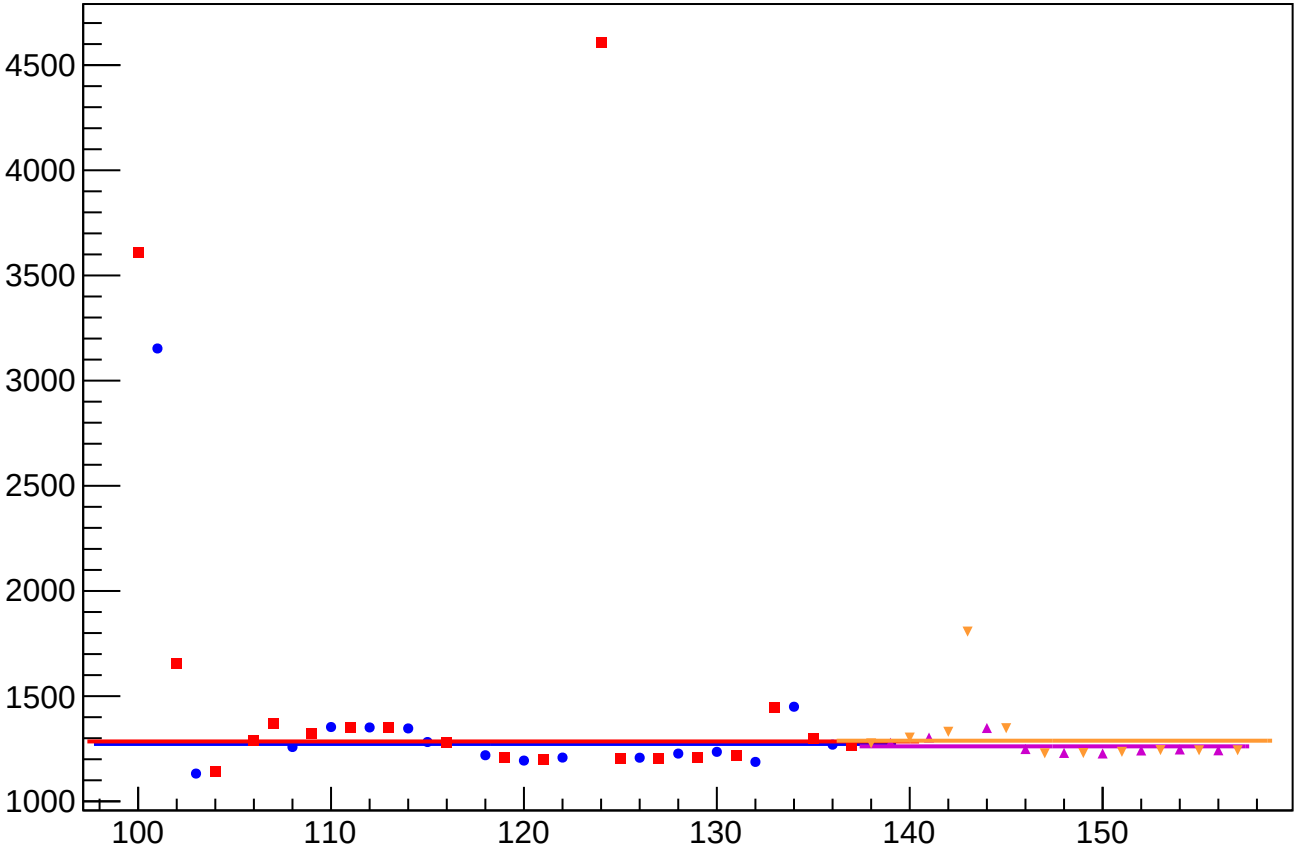
Left In: 454.378+/-450.602 χ^2/NDF:6.0/8

\+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 276.330+/-231.074 χ^2/NDF: 58.2/54

\- sign 451.592+/-328.952 χ^2/NDF: 22.8/27

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

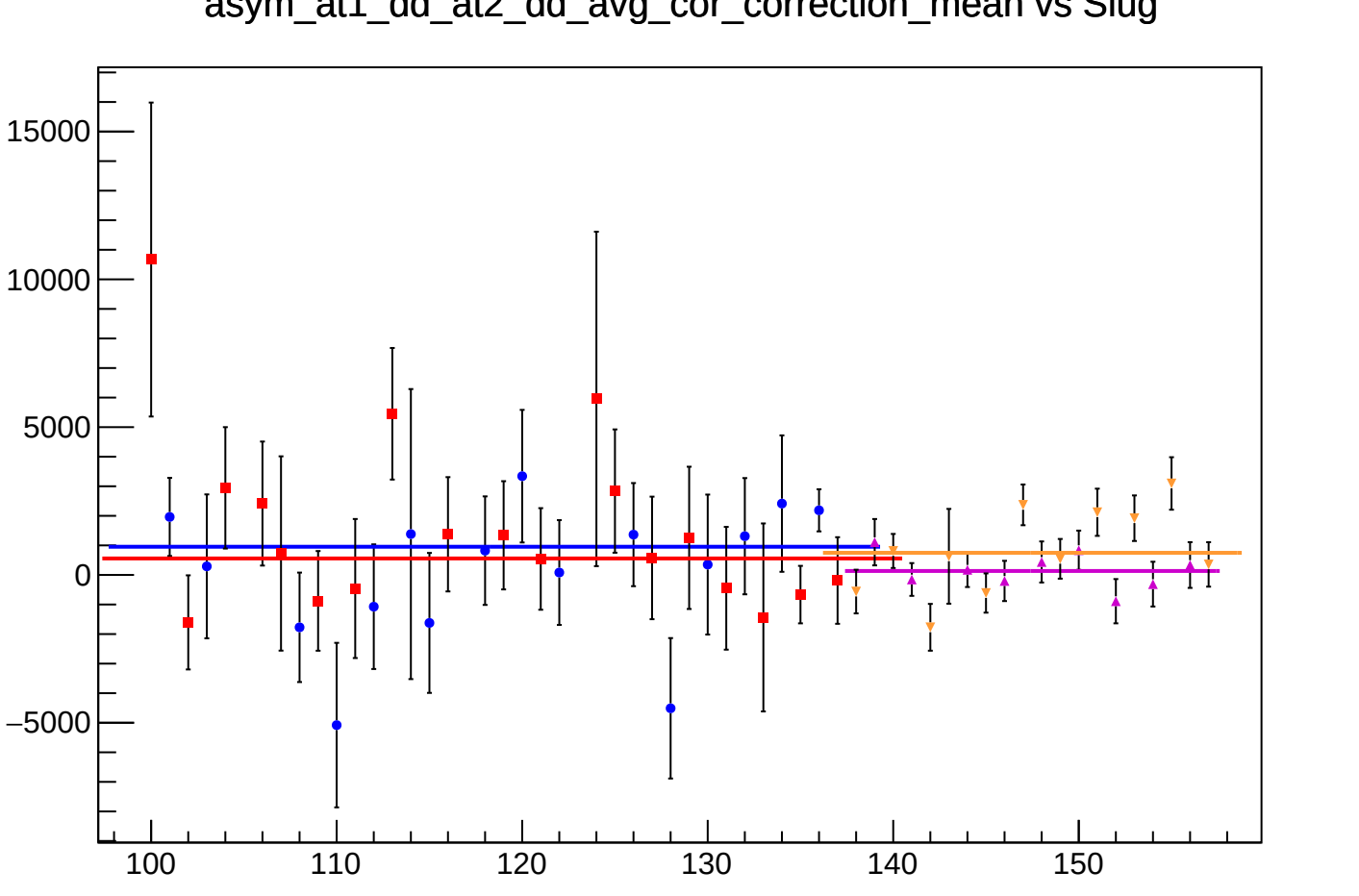
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.795+/-0.163 χ^2/NDF: 1022149.5/54

- sign 1272.228+/-0.233 χ^2/NDF: 344590.1/27



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

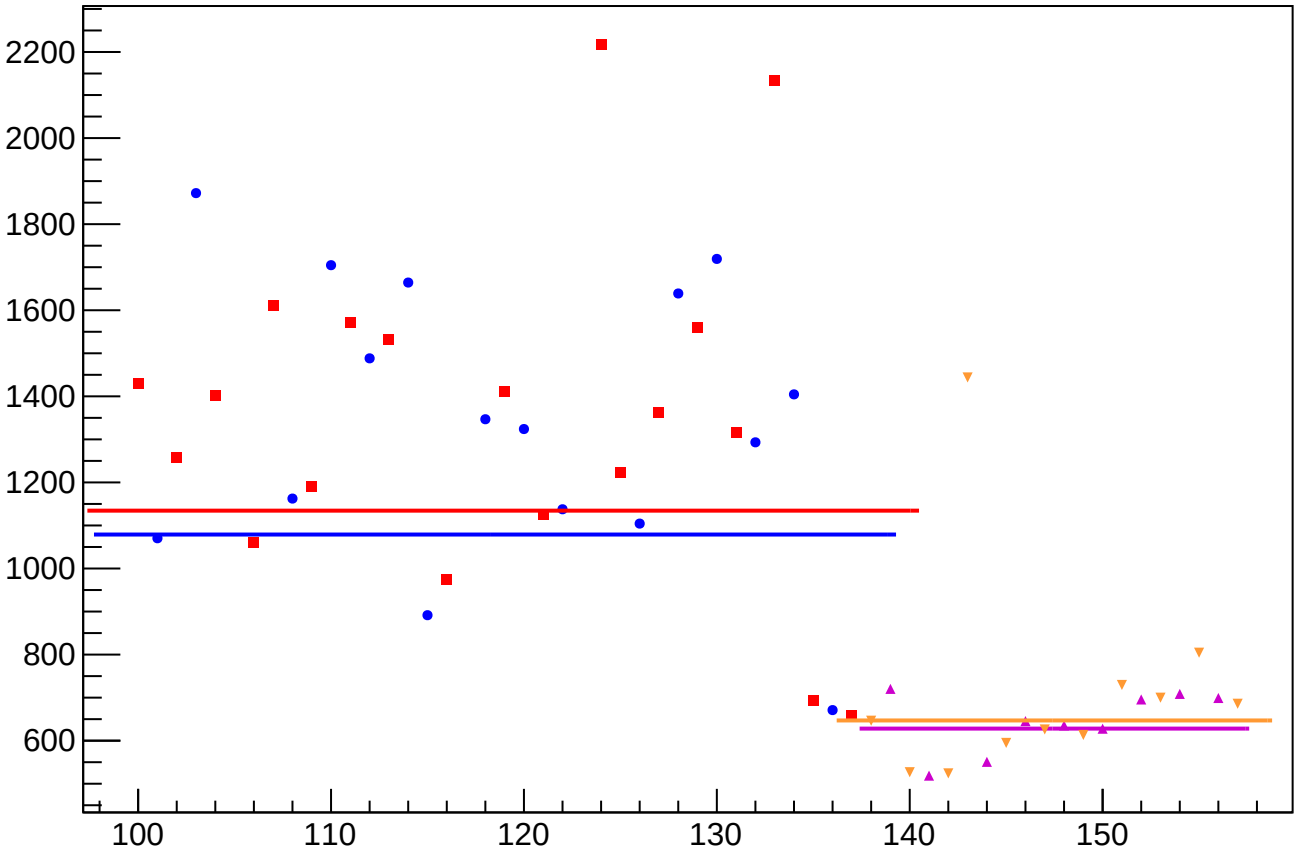
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 134.398+/-226.309 χ^2/NDF:5.7/8

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 511.409+/-141.556 χ^2/NDF: 84.5/54

\- sign 222.762+/-201.322 χ^2/NDF: 24.8/27



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

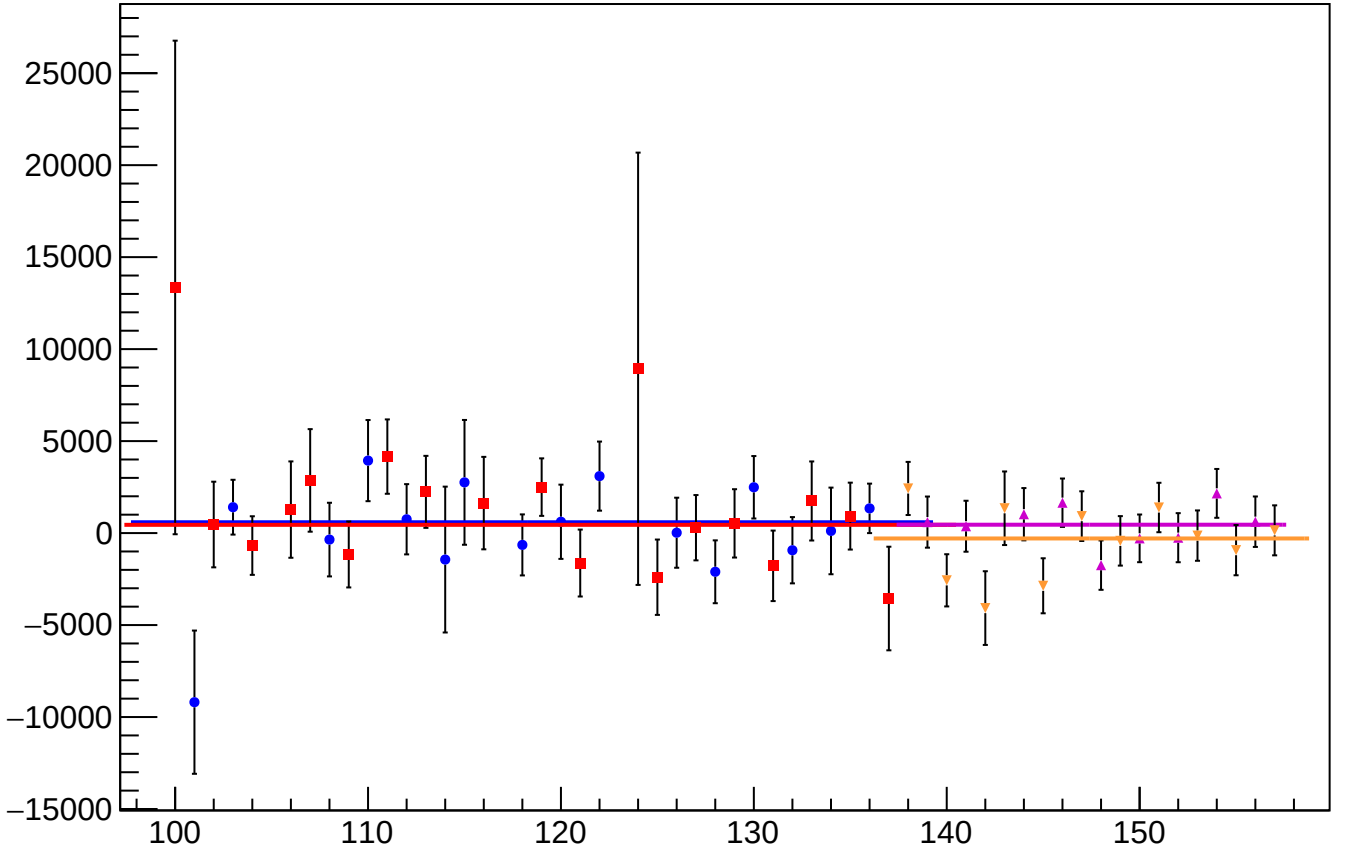
Left In: 628.058+/-0.160 χ^2/NDF:198027.0/8

+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 737.633+/-0.100 χ^2/NDF: 7412529.3/54

- sign 733.703+/-0.142 χ^2/NDF: 3575951.2/27

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -293.117+/-438.941 χ^2/NDF:16.0/10

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

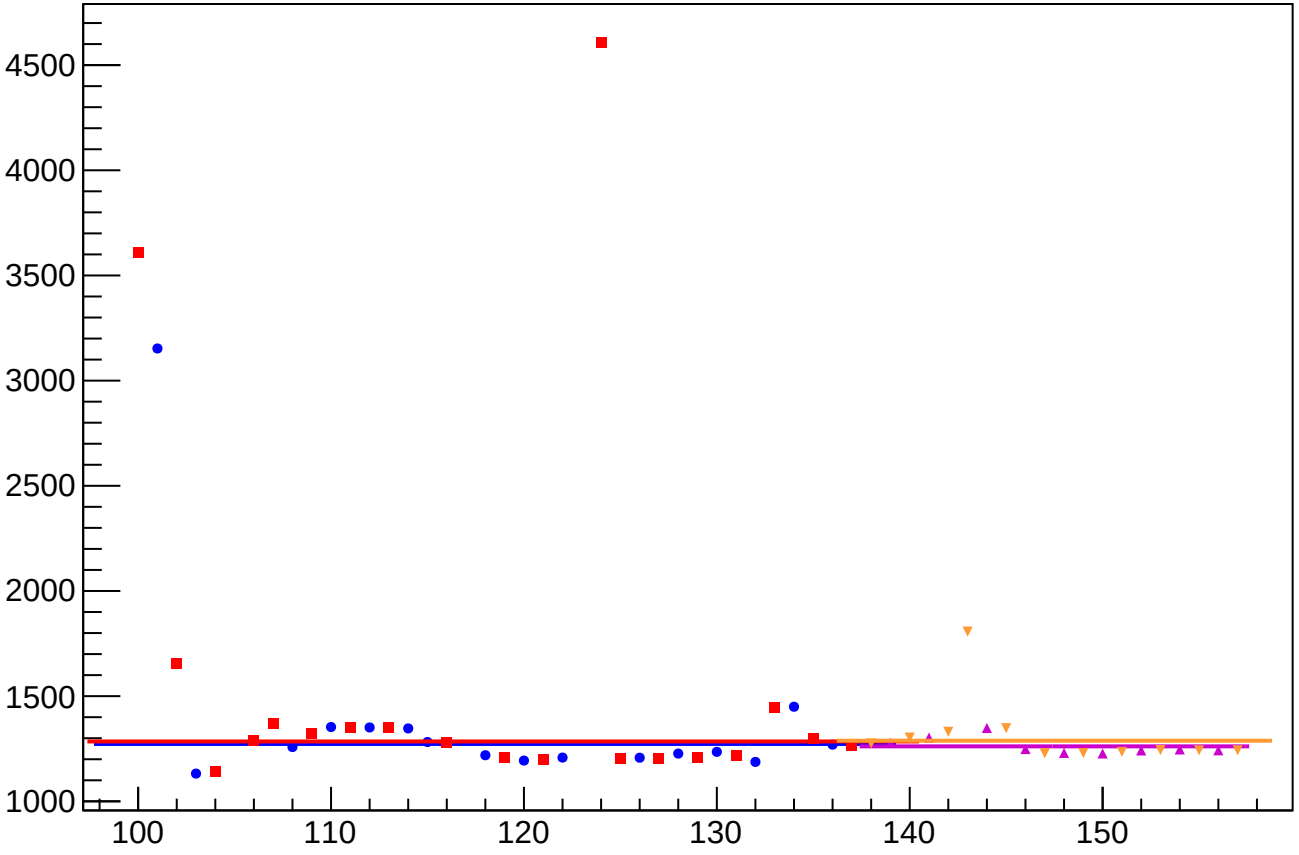
Left In: 454.378+/-450.602 χ^2/NDF:6.0/8

+ sign 105.604+/-324.668 χ^2/NDF: 34.9/26

All: 276.330+/-231.074 χ^2/NDF: 58.2/54

- sign 451.592+/-328.952 χ^2/NDF: 22.8/27

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1288.230+/-0.310 χ^2/NDF:156380.0/10

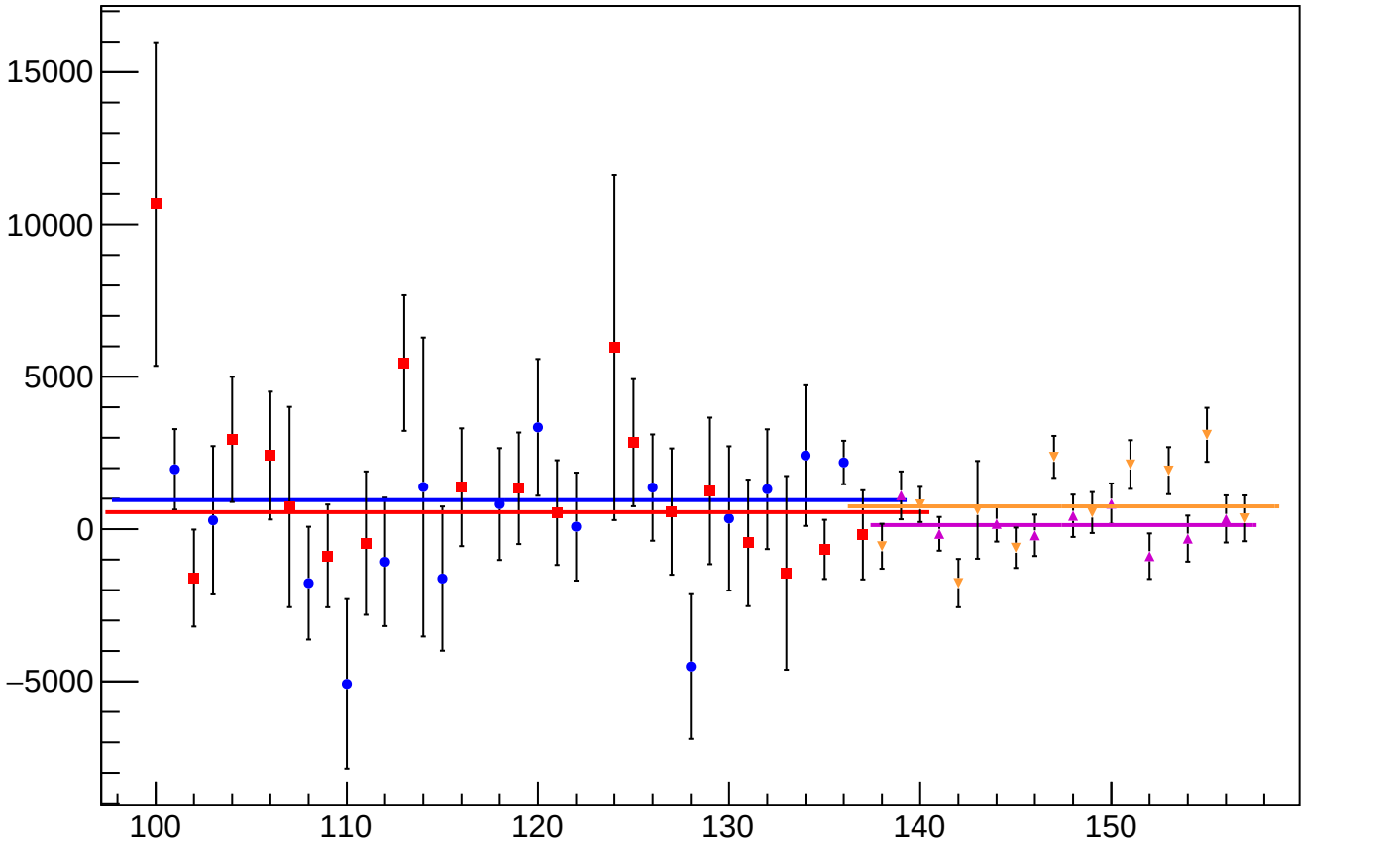
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1261.338+/-0.319 χ^2/NDF:13354.0/8

+ sign 1281.244+/-0.230 χ^2/NDF: 676798.3/26

All: 1276.795+/-0.163 χ^2/NDF: 1022149.5/54

- sign 1272.228+/-0.233 χ^2/NDF: 344590.1/27



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 748.730+/-225.231 χ^2/NDF:35.7/10

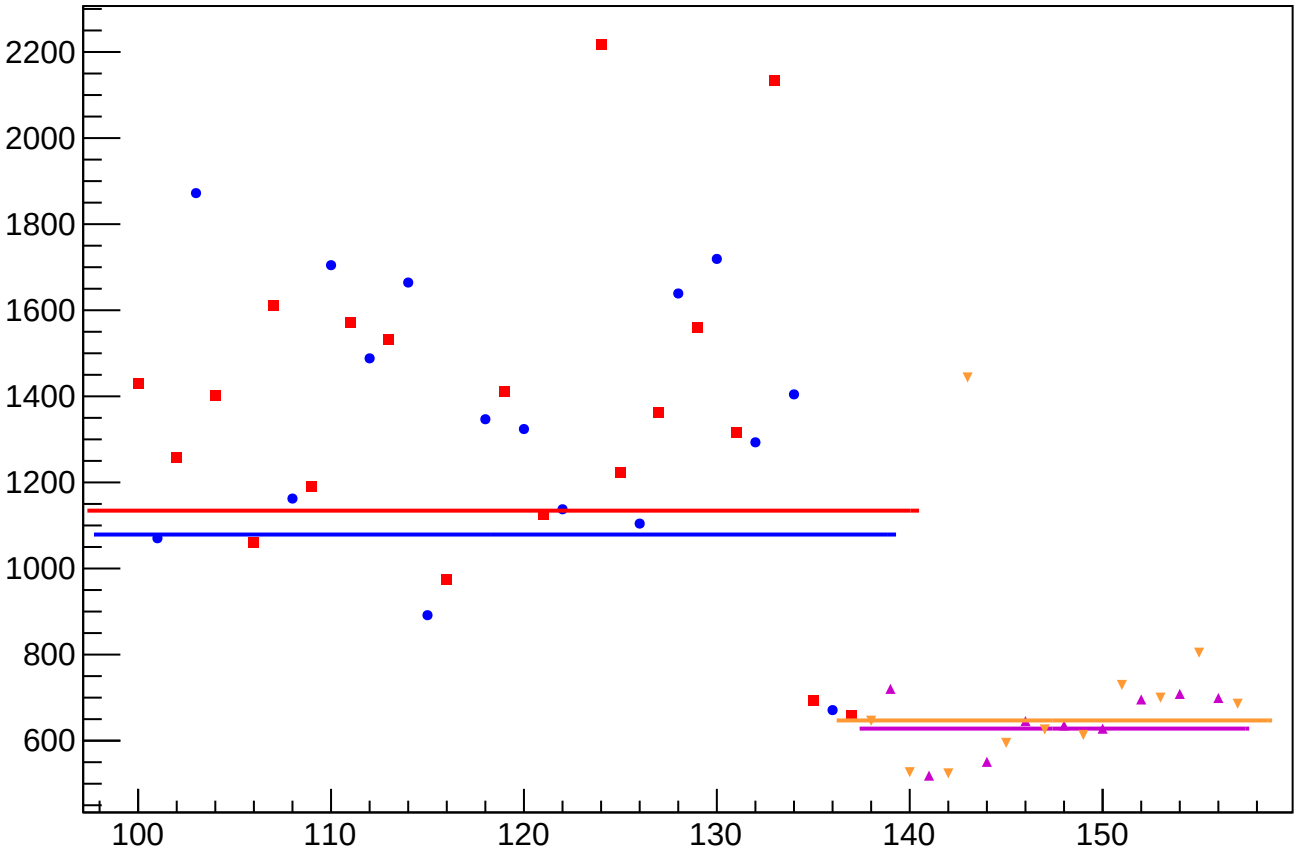
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 134.398+/-226.309 χ^2/NDF:5.7/8

\+ sign 793.662+/-199.079 χ^2/NDF: 55.7/26

All: 511.409+/-141.556 χ^2/NDF: 84.5/54

\- sign 222.762+/-201.322 χ^2/NDF: 24.8/27



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 646.994+/-0.159 χ^2/NDF:747398.9/10

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

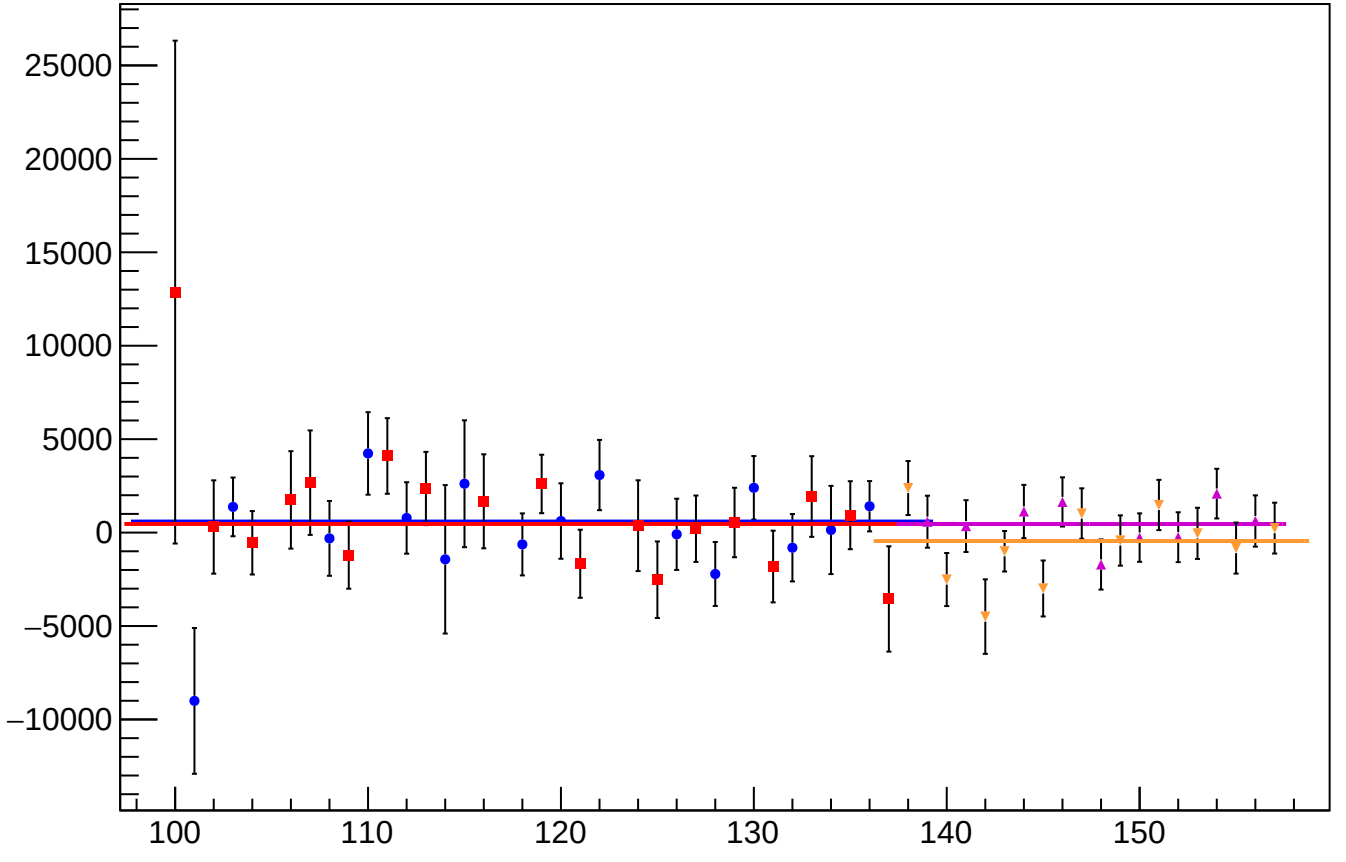
Left In: 628.058+/-0.160 χ^2/NDF:198027.0/8

\+ sign 741.475+/-0.141 χ^2/NDF: 3835071.1/26

All: 737.633+/-0.100 χ^2/NDF: 7412529.3/54

\- sign 733.703+/-0.142 χ^2/NDF: 3575951.2/27

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -451.272+/-415.740 χ^2/NDF:16.9/10

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

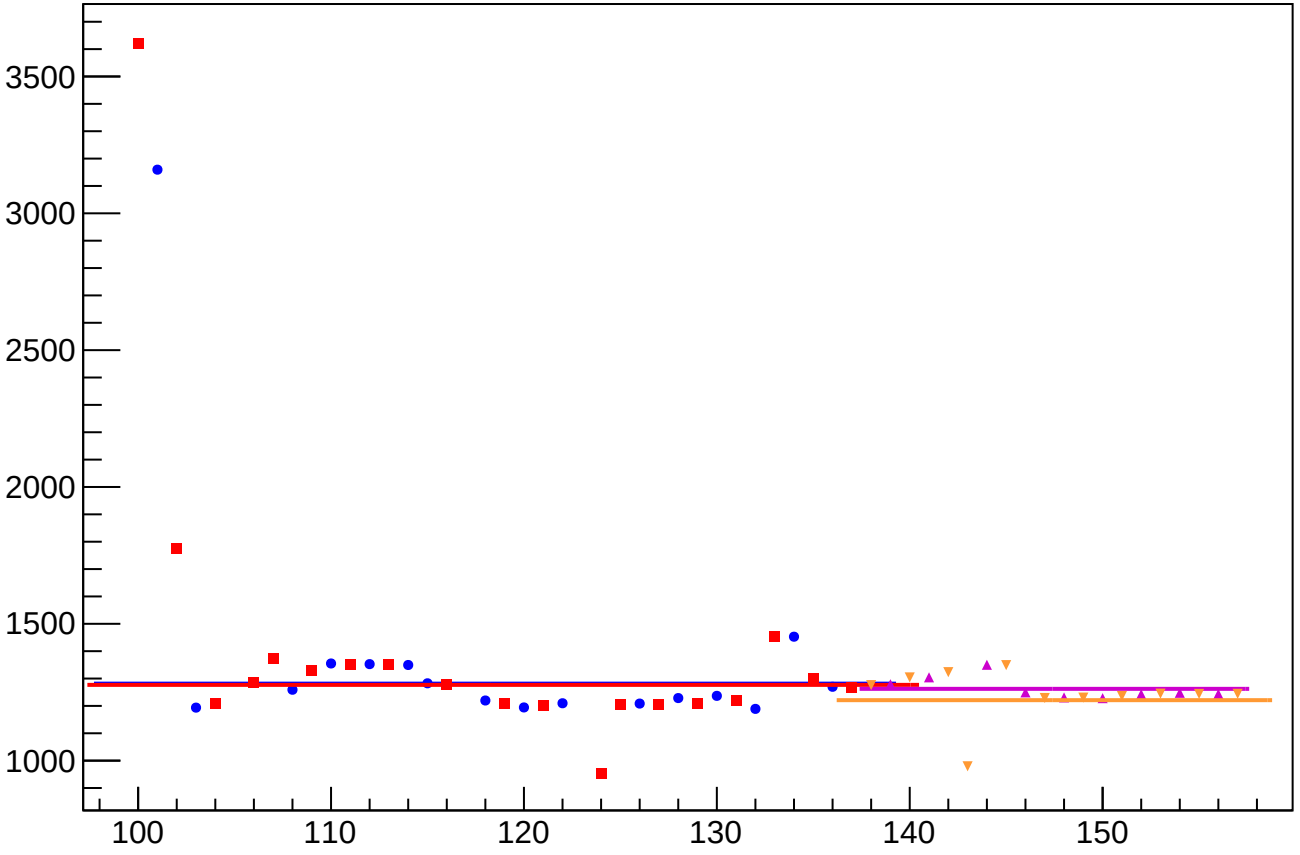
Left In: 458.421+/-450.966 χ^2/NDF:5.8/8

+ sign -10.600+/-315.778 χ^2/NDF: 36.6/26

All: 216.224+/-227.364 χ^2/NDF: 60.2/54

- sign 460.397+/-327.632 χ^2/NDF: 22.5/27

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131254.4/10

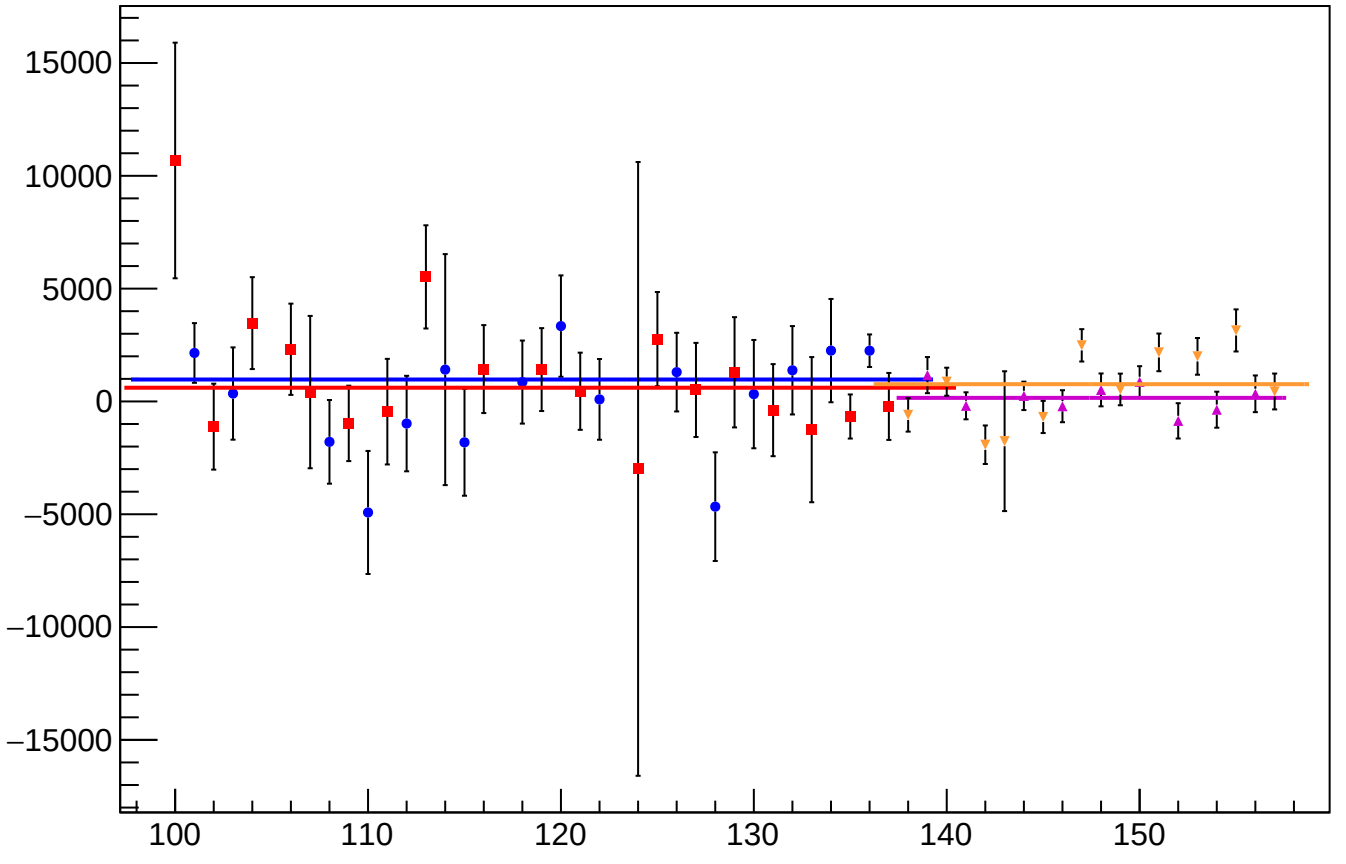
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1262.351+/-0.319 χ^2/NDF:13477.6/8

+ sign 1246.522+/-0.223 χ^2/NDF: 656193.0/26

All: 1257.444+/-0.161 χ^2/NDF: 896130.2/54

- sign 1269.202+/-0.232 χ^2/NDF: 234968.7/27



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 764.681+/-239.039 χ^2/NDF:35.8/10

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

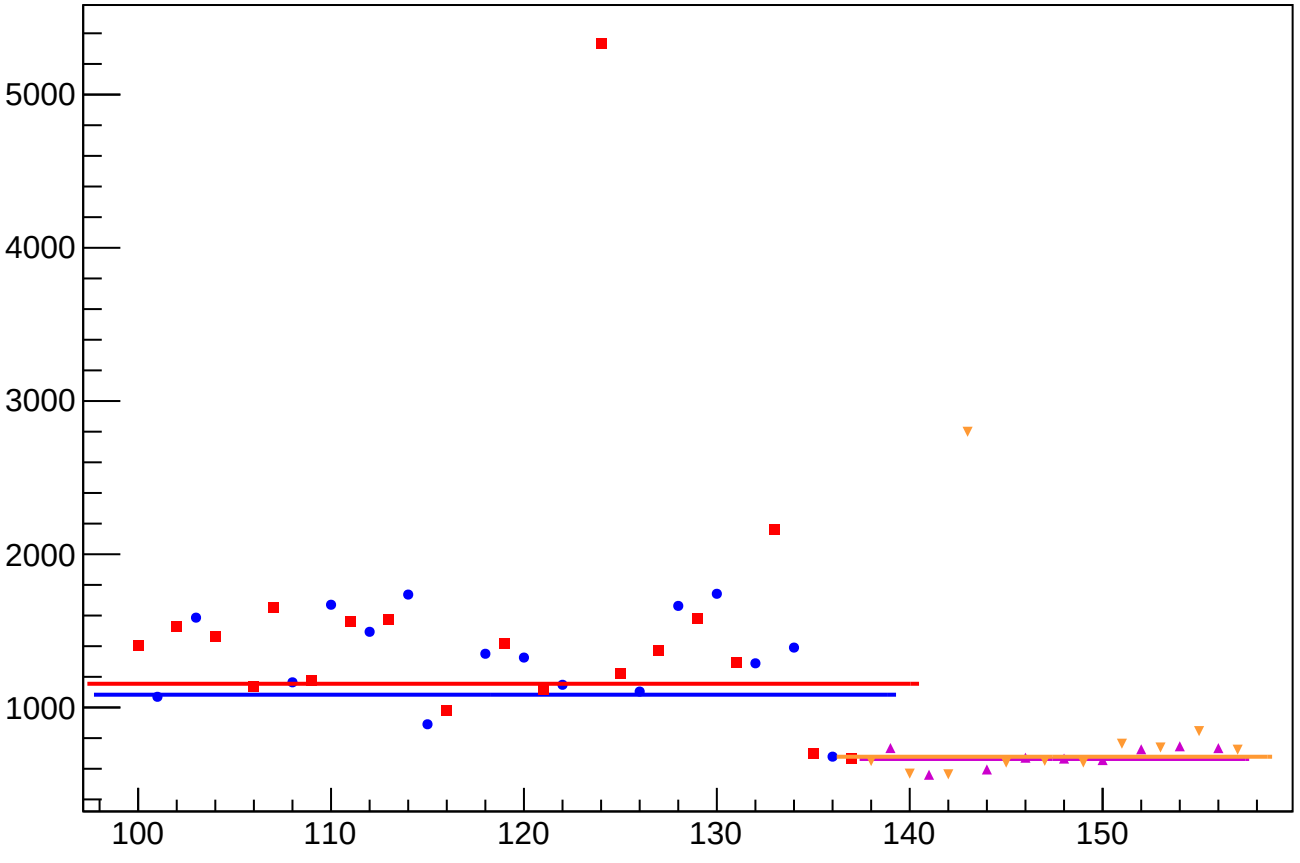
Left In: 158.613+/-238.783 χ^2/NDF:5.7/8

+ sign 814.534+/-208.371 χ^2/NDF: 56.4/26

All: 539.459+/-148.155 χ^2/NDF: 83.5/54

- sign 258.221+/-210.693 χ^2/NDF: 23.6/27

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 678.507+/-0.169 χ^2/NDF:1155522.0/10

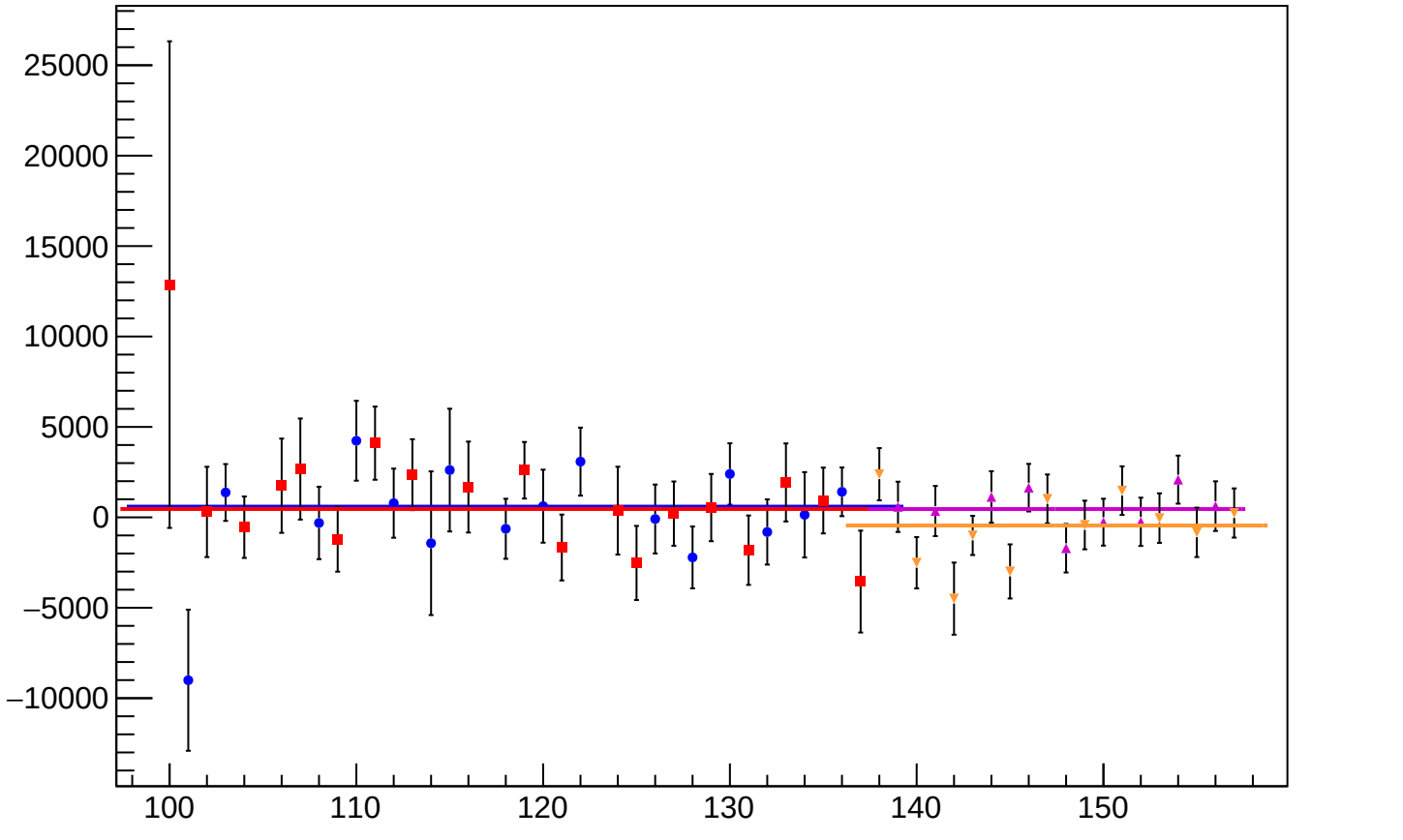
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 663.921+/-0.169 χ^2/NDF:148879.9/8

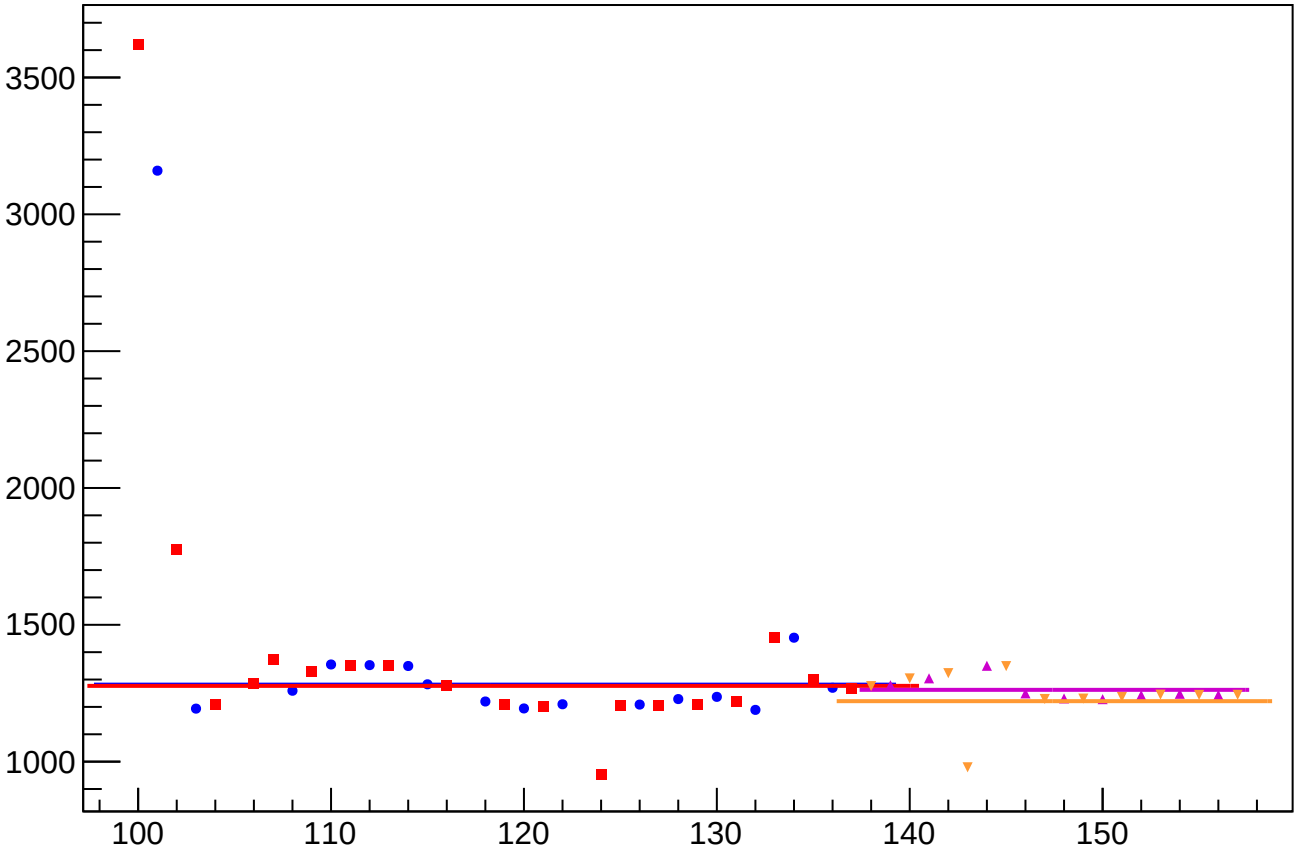
+ sign 775.719+/-0.147 χ^2/NDF: 3893149.7/26

All: 774.180+/-0.105 χ^2/NDF: 7401649.7/54

- sign 772.605+/-0.149 χ^2/NDF: 3508279.2/27


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -451.273+/-415.740 χ²/NDF:16.9/10
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 458.424+/-450.966 χ²/NDF:5.8/8
+ sign -10.600+/-315.778 χ²/NDF: 36.6/26
All: 216.224+/-227.364 χ²/NDF: 60.2/54
- sign 460.398+/-327.632 χ²/NDF: 22.5/27

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1220.968+/-0.294 χ^2/NDF:131253.7/10

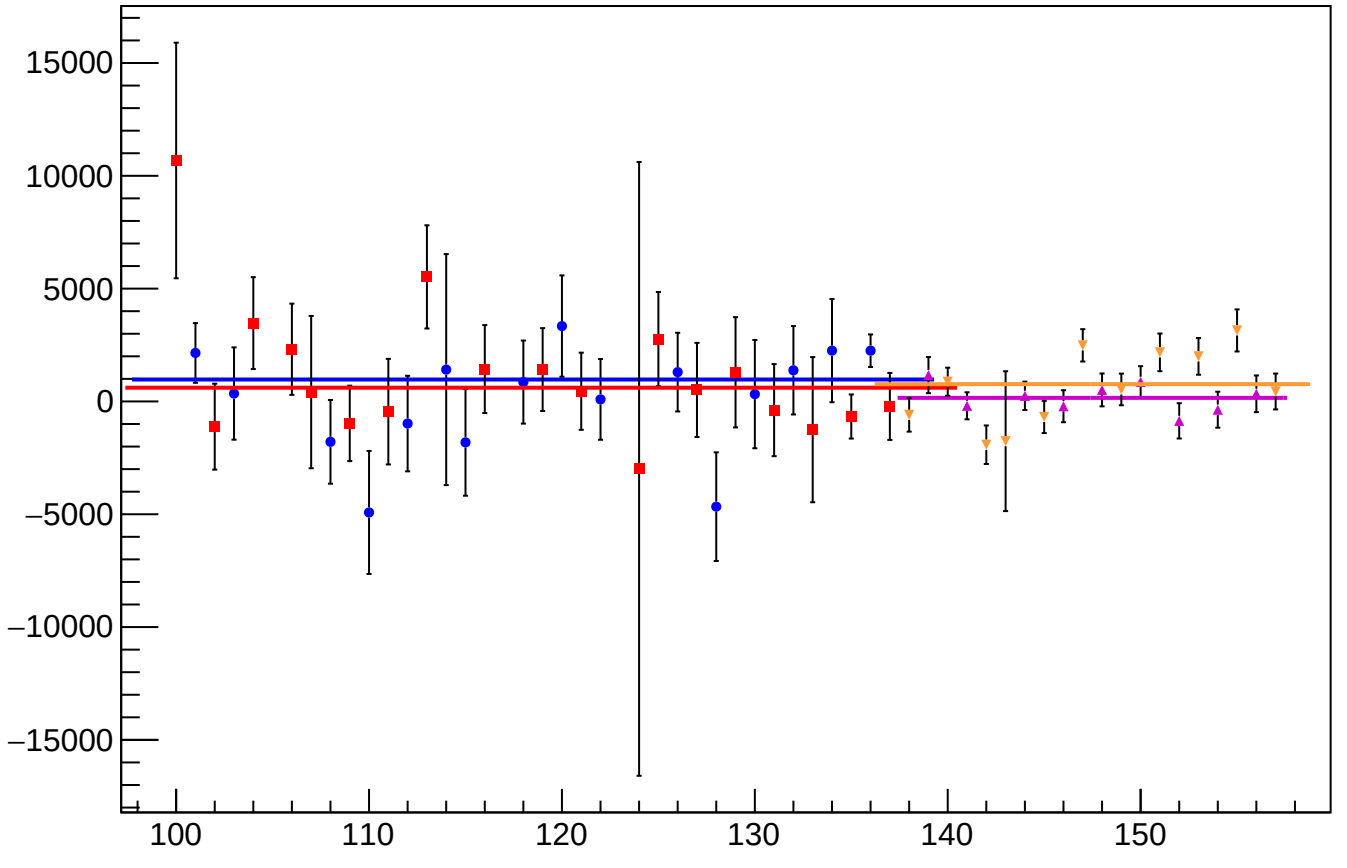
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1262.351+/-0.319 χ^2/NDF:13477.6/8

+ sign 1246.522+/-0.223 χ^2/NDF: 656192.3/26

All: 1257.444+/-0.161 χ^2/NDF: 896129.4/54

- sign 1269.202+/-0.232 χ^2/NDF: 234968.6/27



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 764.685+/-239.040 χ^2/NDF:35.8/10

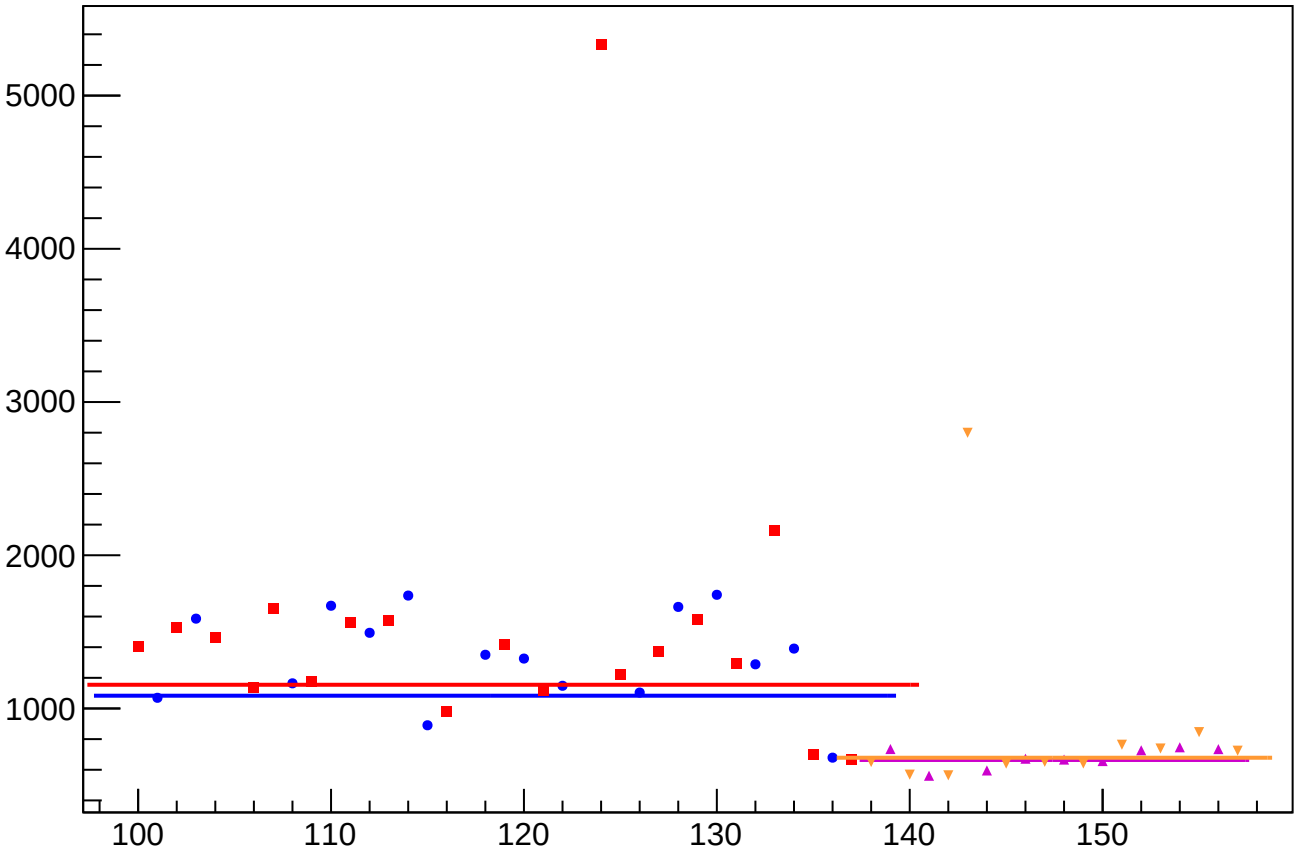
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 158.613+/-238.783 χ^2/NDF:5.7/8

+ sign 814.536+/-208.372 χ^2/NDF: 56.4/26

All: 539.461+/-148.155 χ^2/NDF: 83.5/54

- sign 258.223+/-210.693 χ^2/NDF: 23.6/27



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 678.508+/-0.169 χ^2/NDF:1155513.9/10

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

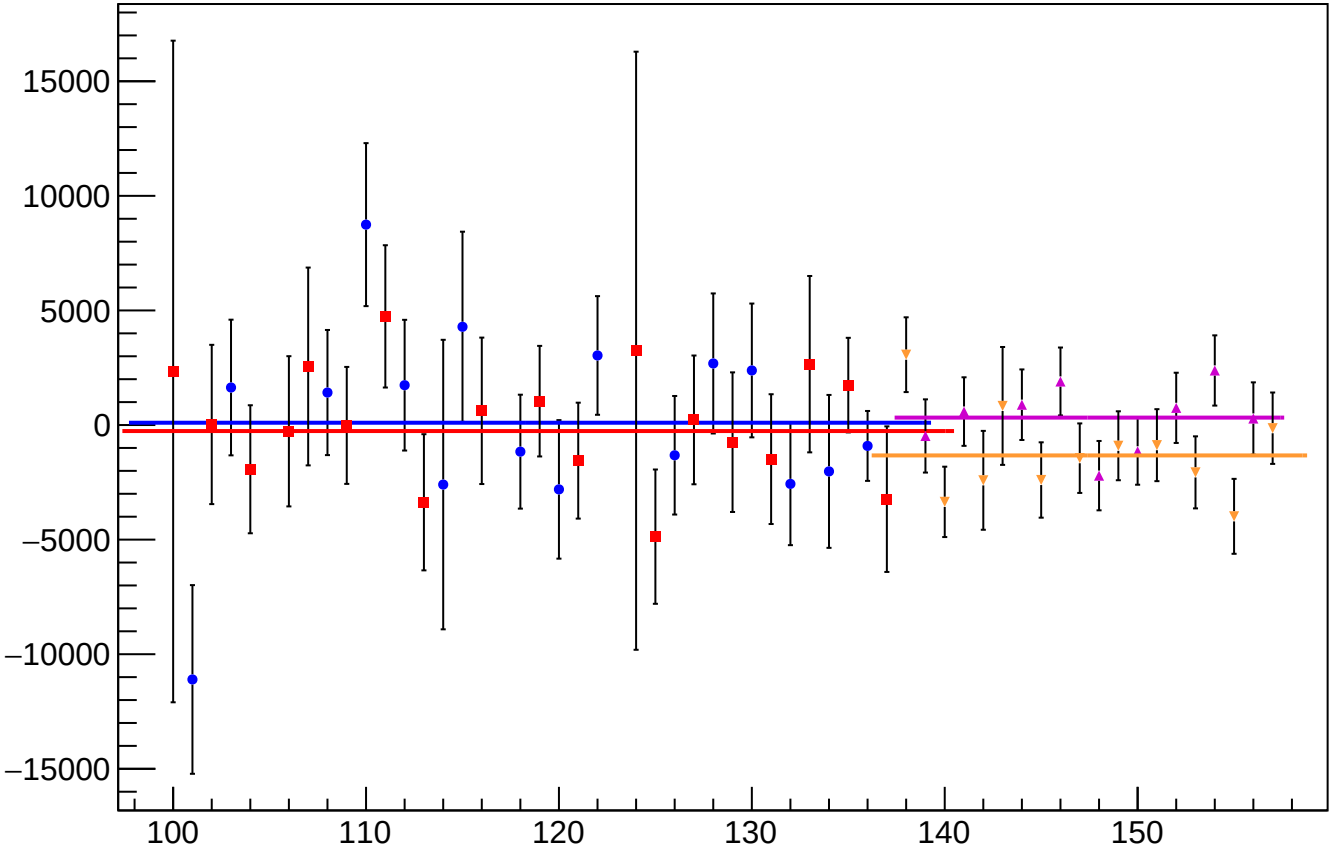
Left In: 663.921+/-0.169 χ^2/NDF:148881.9/8

+ sign 775.722+/-0.147 χ^2/NDF: 3893109.7/26

All: 774.181+/-0.105 χ^2/NDF: 7401606.5/54

- sign 772.606+/-0.149 χ^2/NDF: 3508275.6/27

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1326.223+/-499.420 χ^2/NDF:14.0/10

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

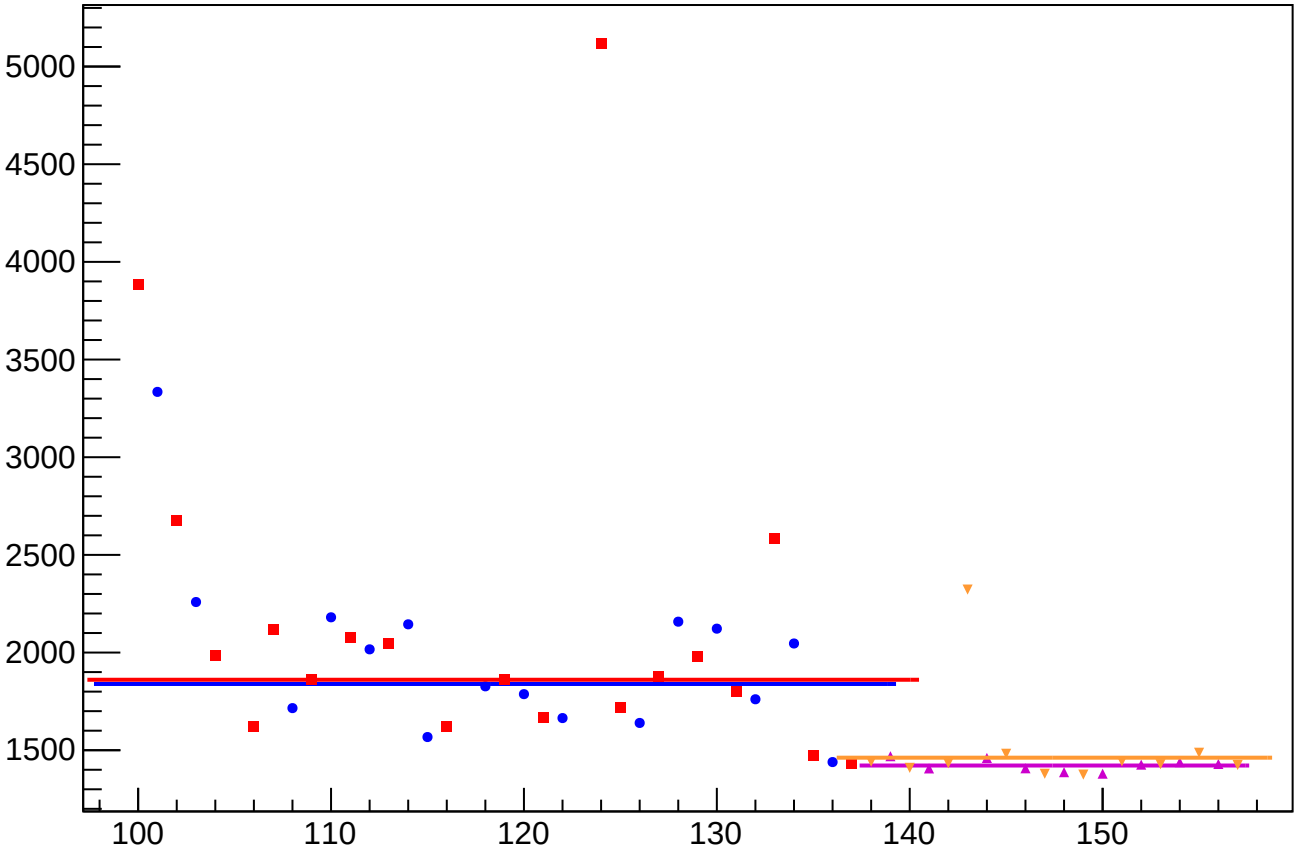
Left In: 323.941+/-507.833 χ^2/NDF:7.2/8

\+ sign -844.051+/-406.355 χ^2/NDF: 38.0/26

All: -366.743+/-288.964 χ^2/NDF: 58.9/54

\- sign 121.536+/-410.998 χ^2/NDF: 18.0/27

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1461.829+/-0.353 χ^2/NDF:242538.6/10

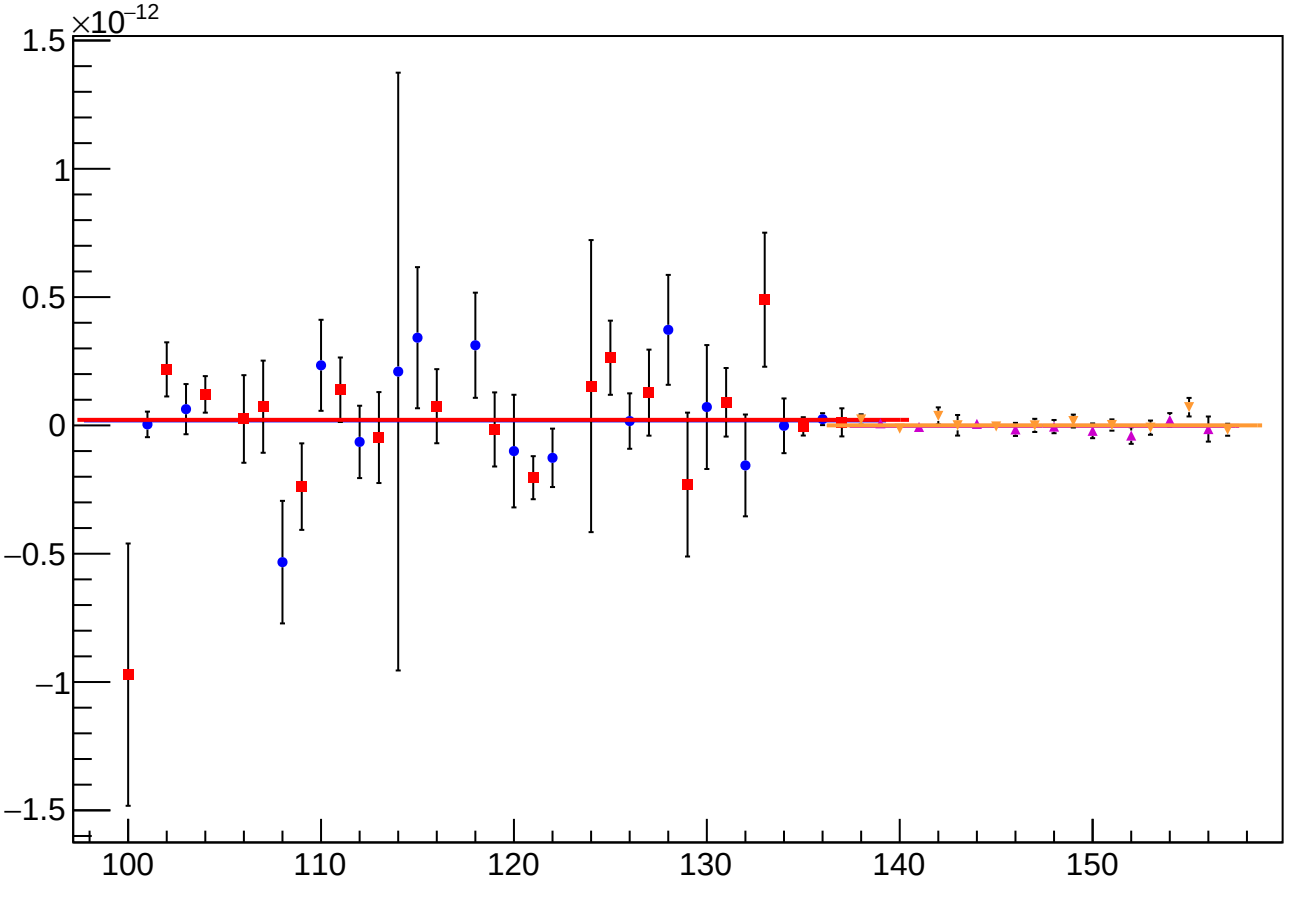
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1421.699+/-0.359 χ^2/NDF:6397.6/8

+ sign 1589.340+/-0.287 χ^2/NDF: 1185019.9/26

All: 1581.351+/-0.204 χ^2/NDF: 2230867.2/54

- sign 1573.178+/-0.291 χ^2/NDF: 1044283.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/10

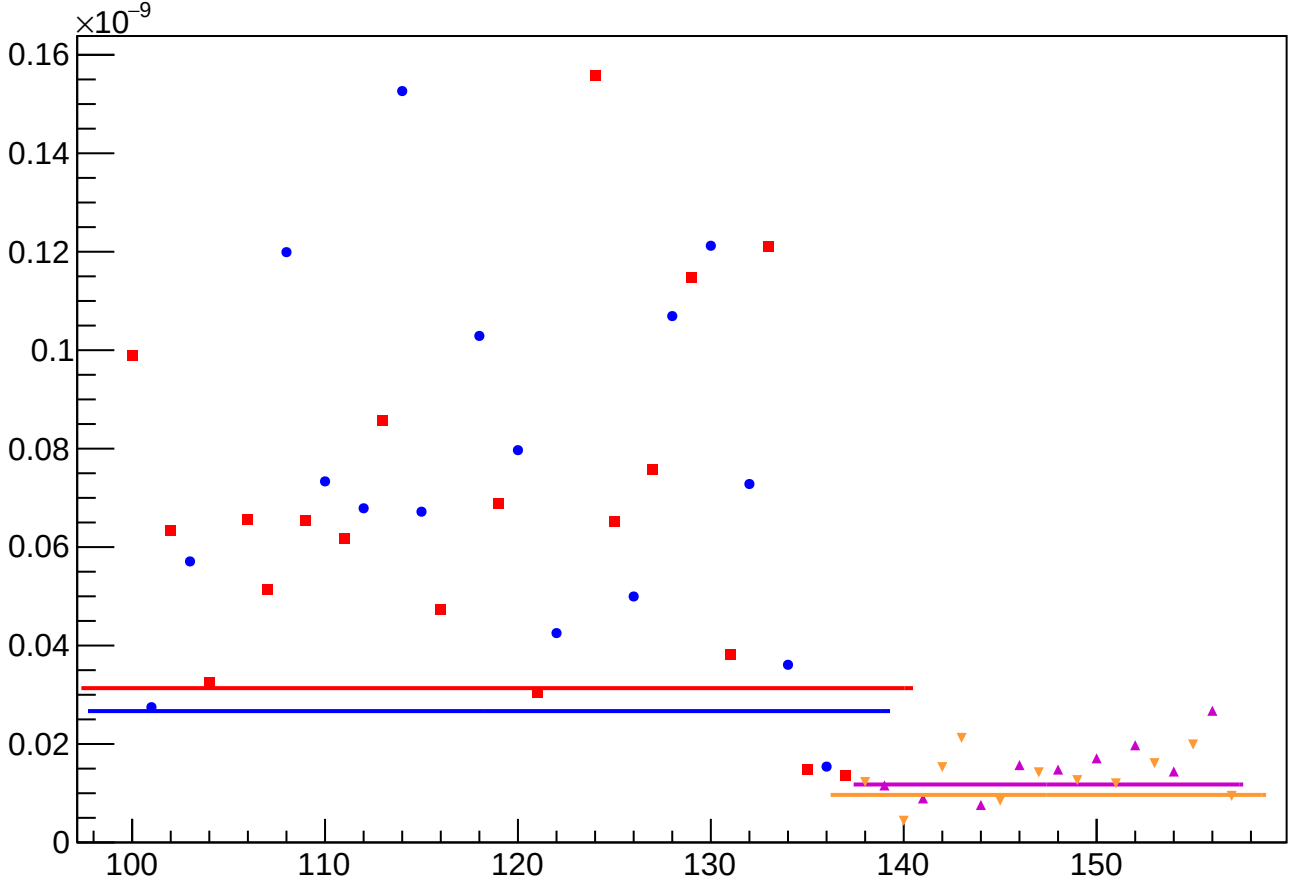
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 26.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.3/54

- sign 0.000+/-0.000 χ^2/NDF: 32.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136099.0/10

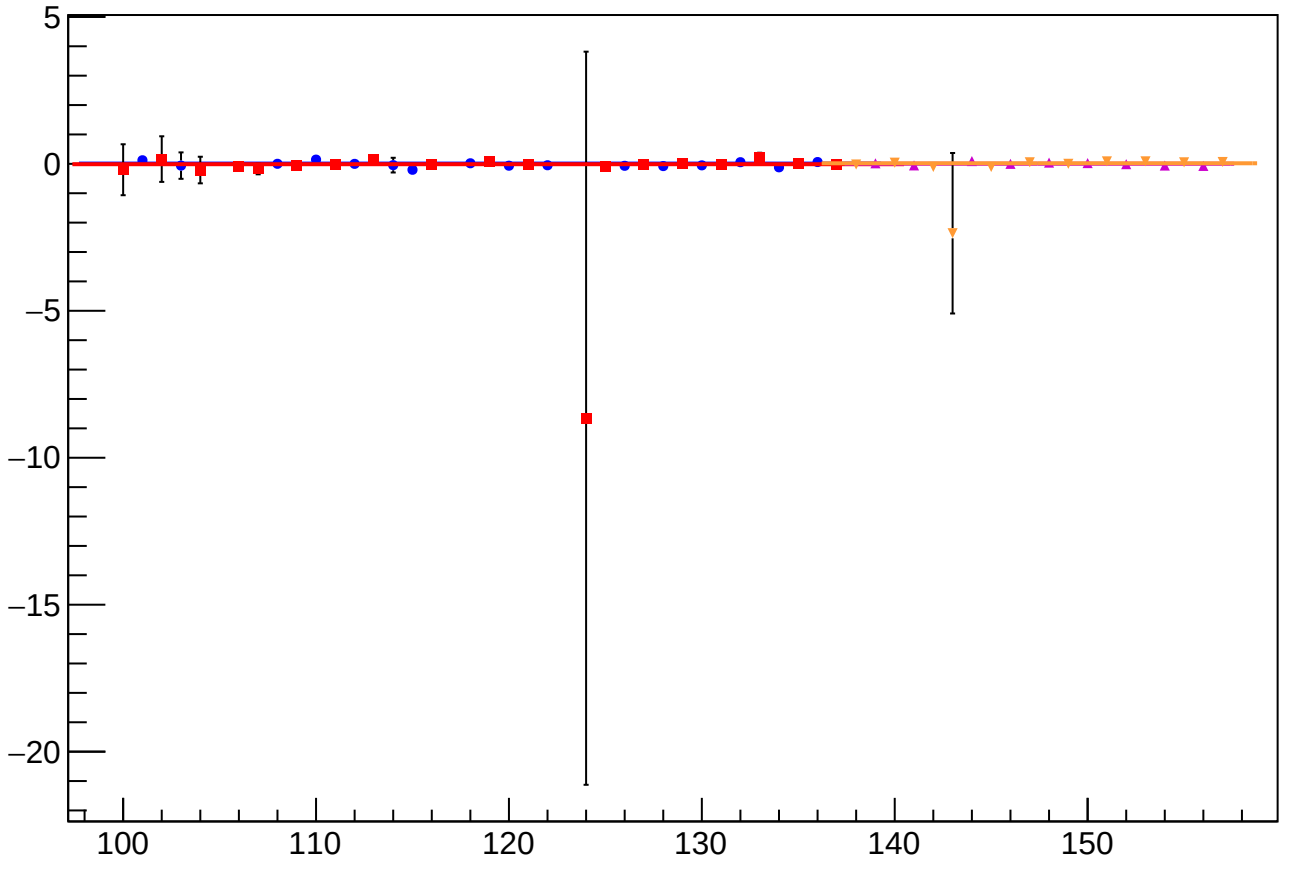
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:728153.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 5195975.0/26

All: 0.000+/-0.000 χ^2/NDF: 9725175.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4398947.8/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

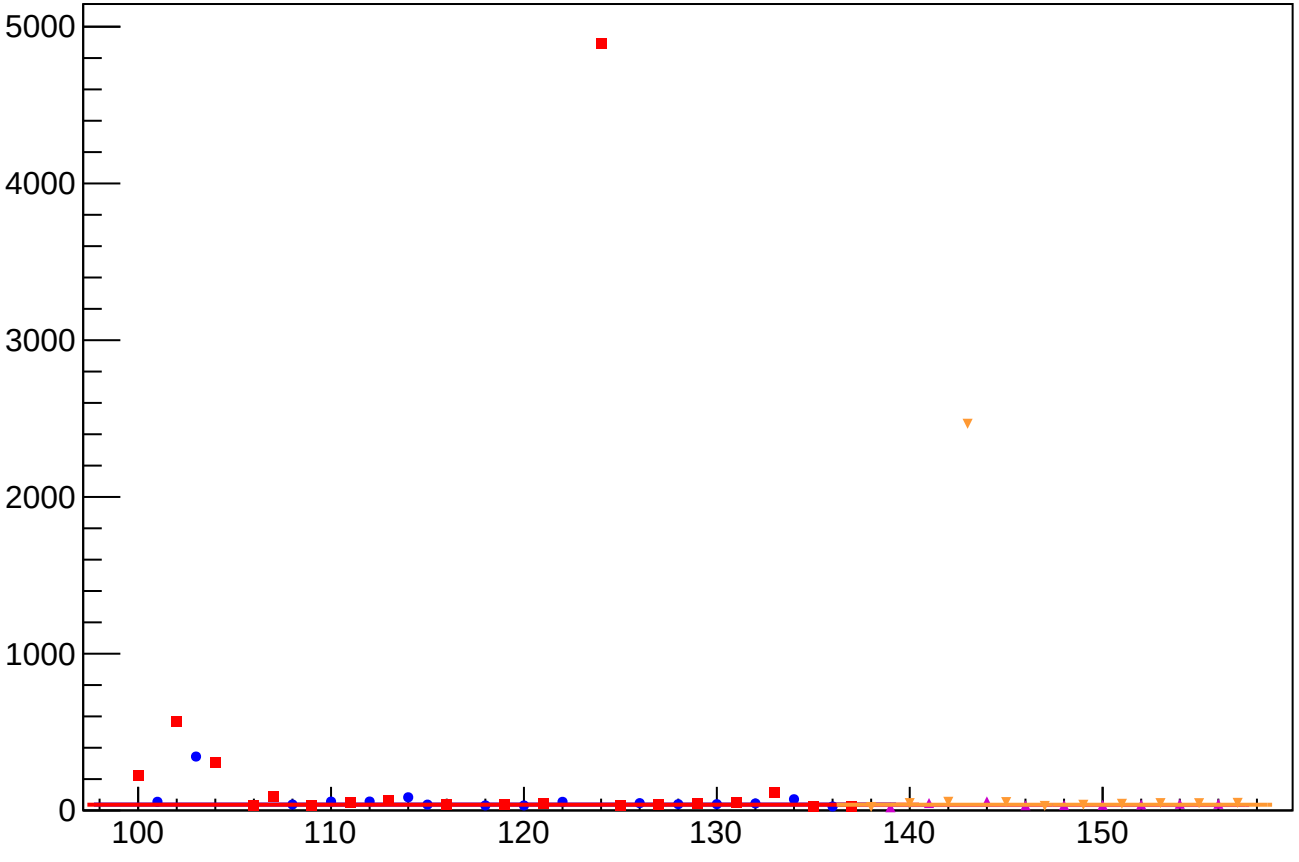
Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

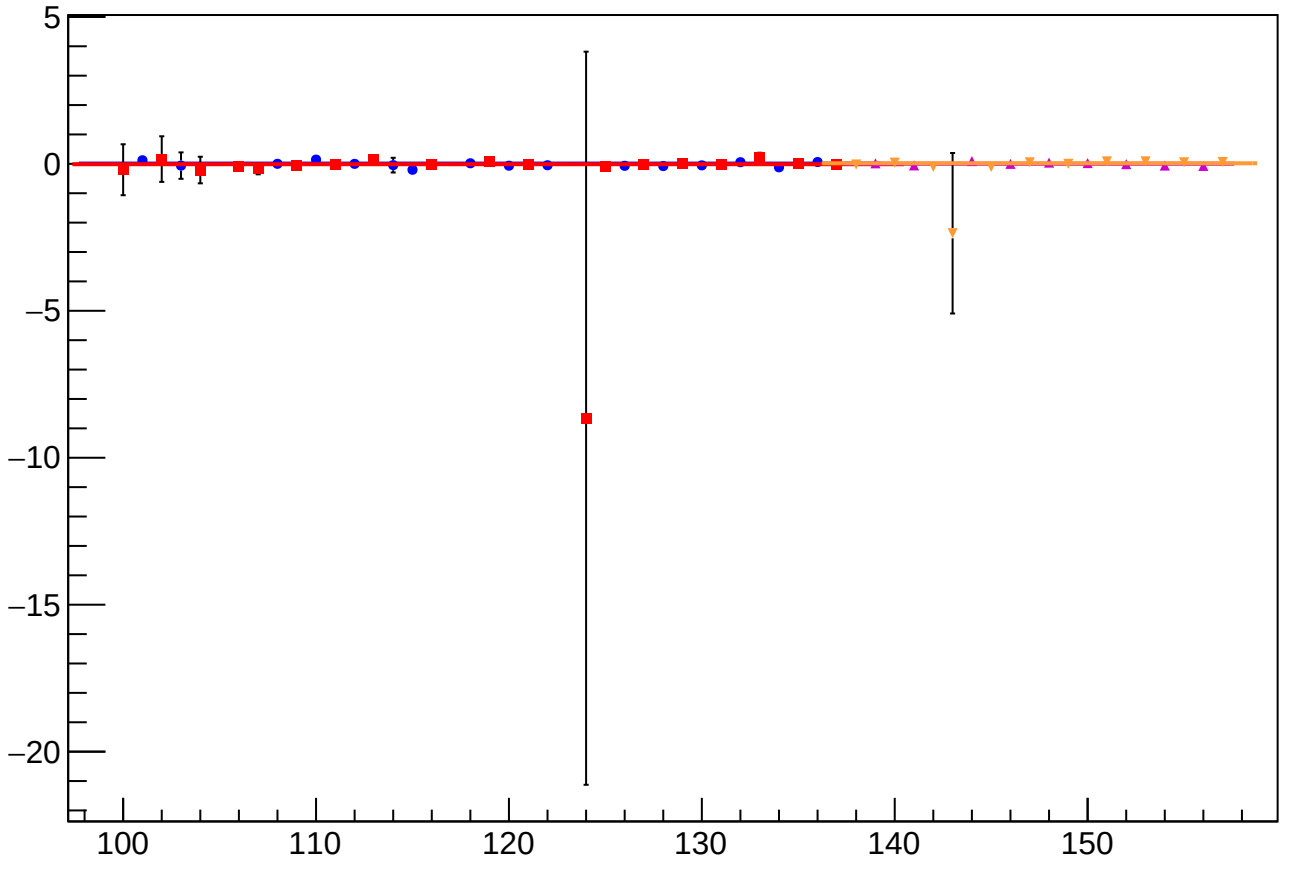
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.713+/-0.010 χ^2/NDF:1064226.5/8

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.238+/-0.005 χ^2/NDF: 9055983.7/54

- sign 35.551+/-0.008 χ^2/NDF: 4273011.9/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

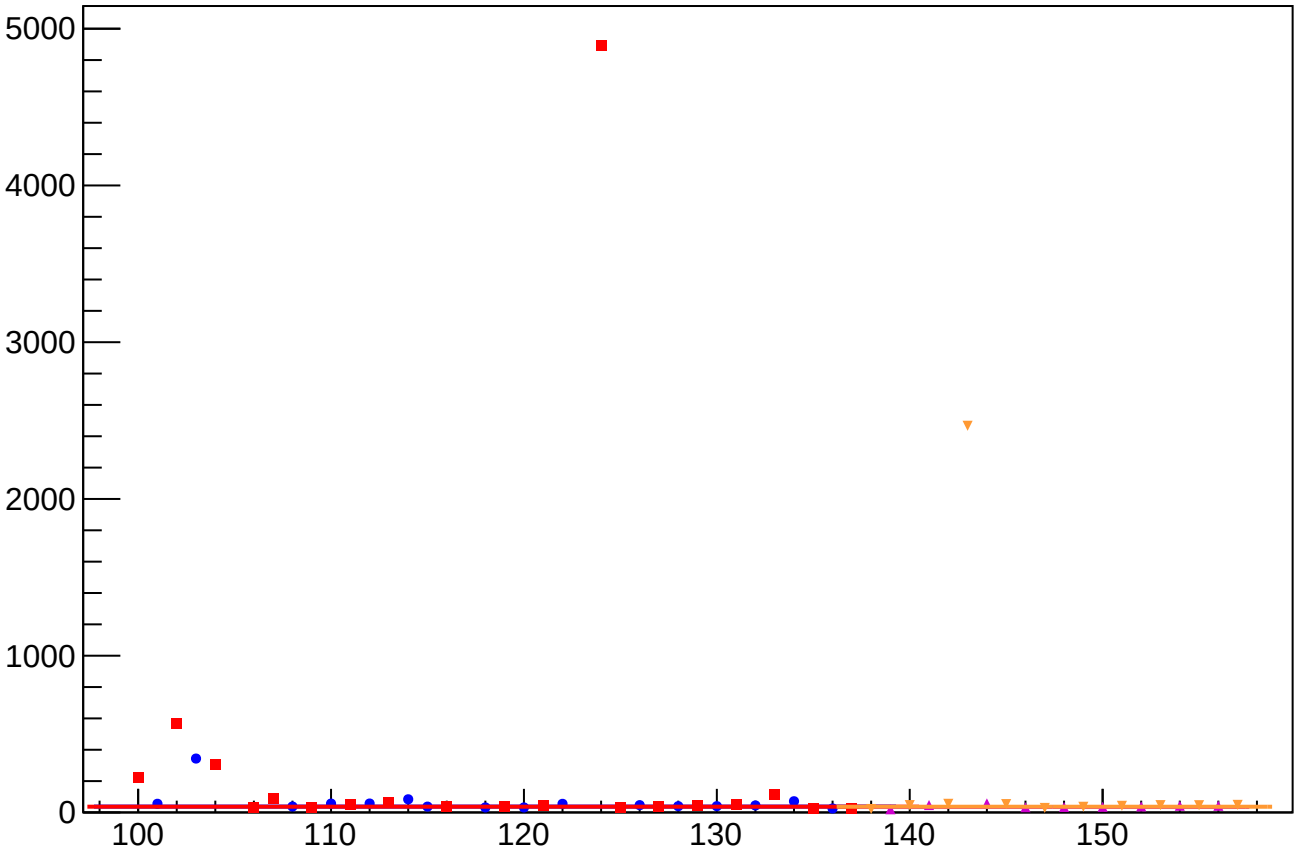
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 36.493+/-0.010 χ^2/NDF:2778479.6/10

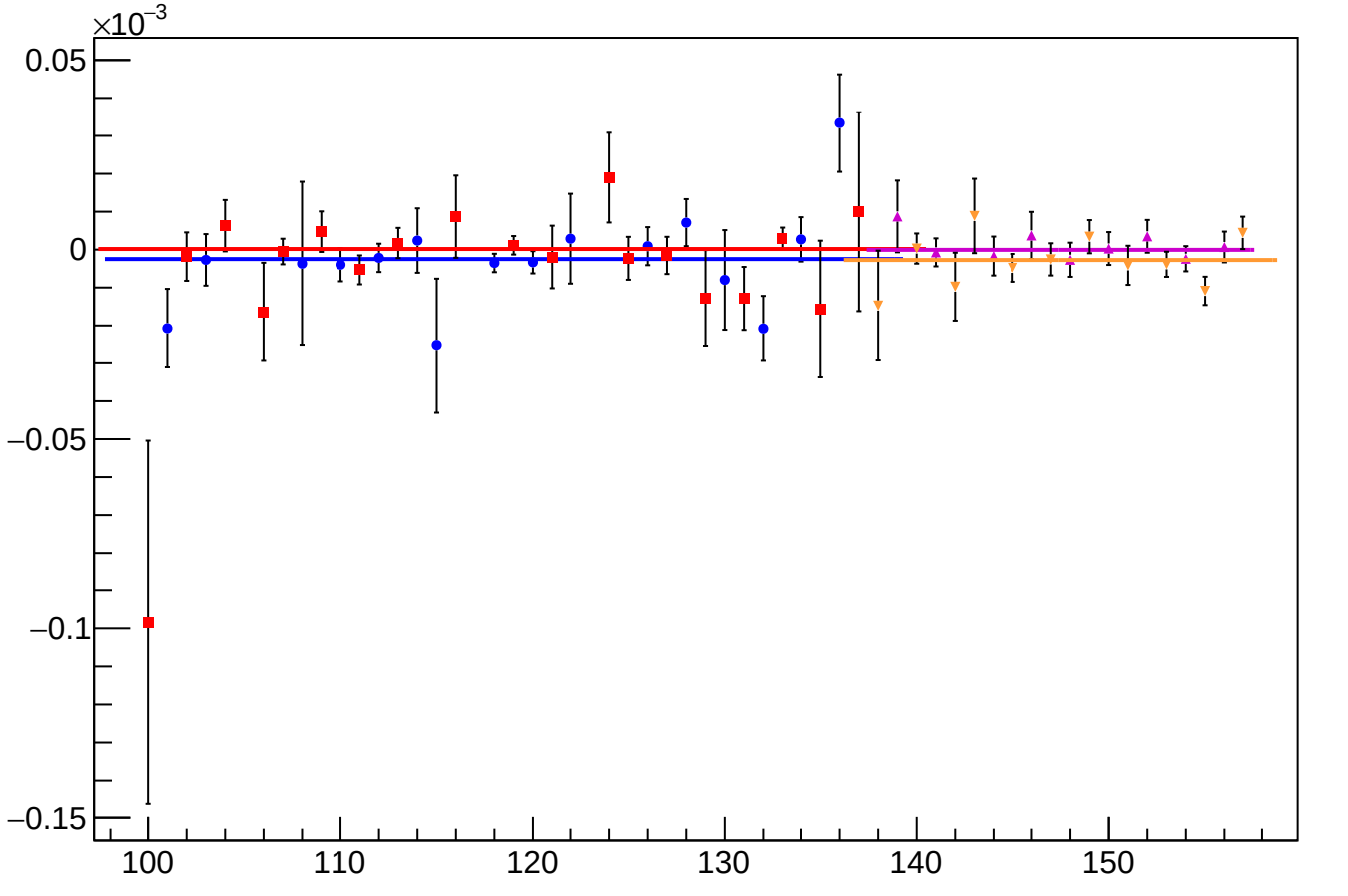
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.713+/-0.010 χ^2/NDF:1064226.5/8

+ sign 36.936+/-0.008 χ^2/NDF: 4766080.1/26

All: 36.238+/-0.005 χ^2/NDF: 9055983.7/54

- sign 35.551+/-0.008 χ^2/NDF: 4273011.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

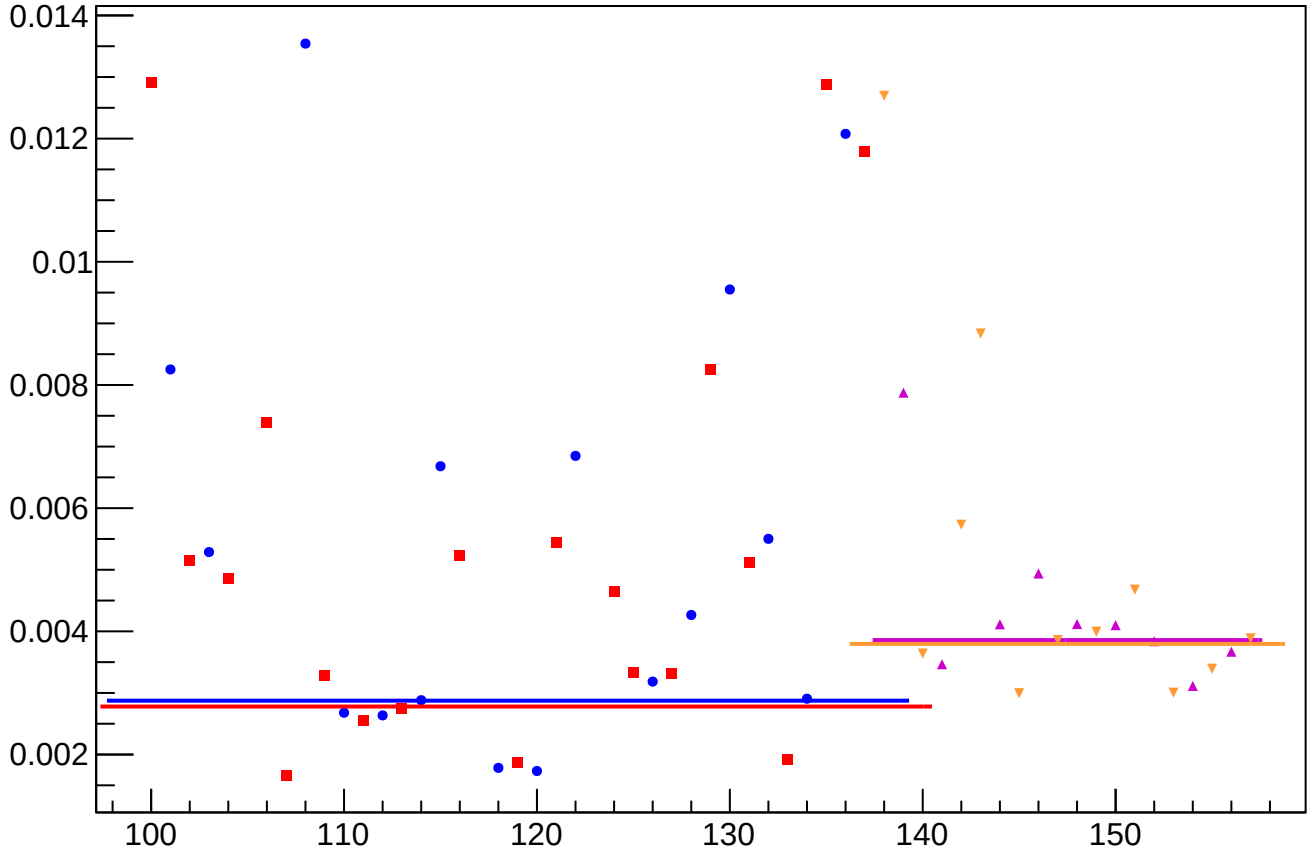
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 61.1/54

- sign 0.000+/-0.000 χ^2/NDF: 21.8/27



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1675809.3/10

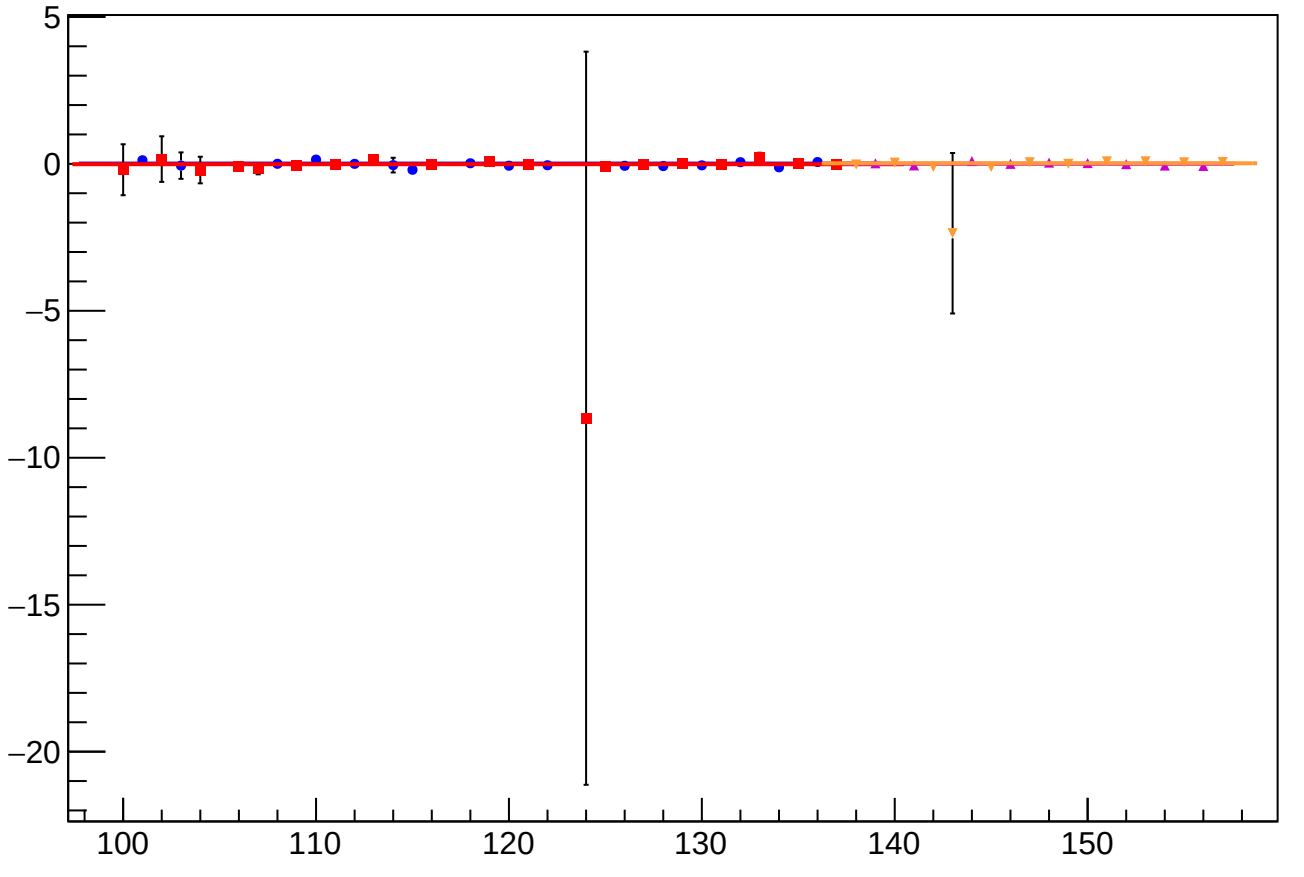
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:566939.8/8

+ sign 0.003+/-0.000 χ^2/NDF: 6300359.4/26

All: 0.003+/-0.000 χ^2/NDF: 10845388.9/54

- sign 0.003+/-0.000 χ^2/NDF: 4529666.4/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

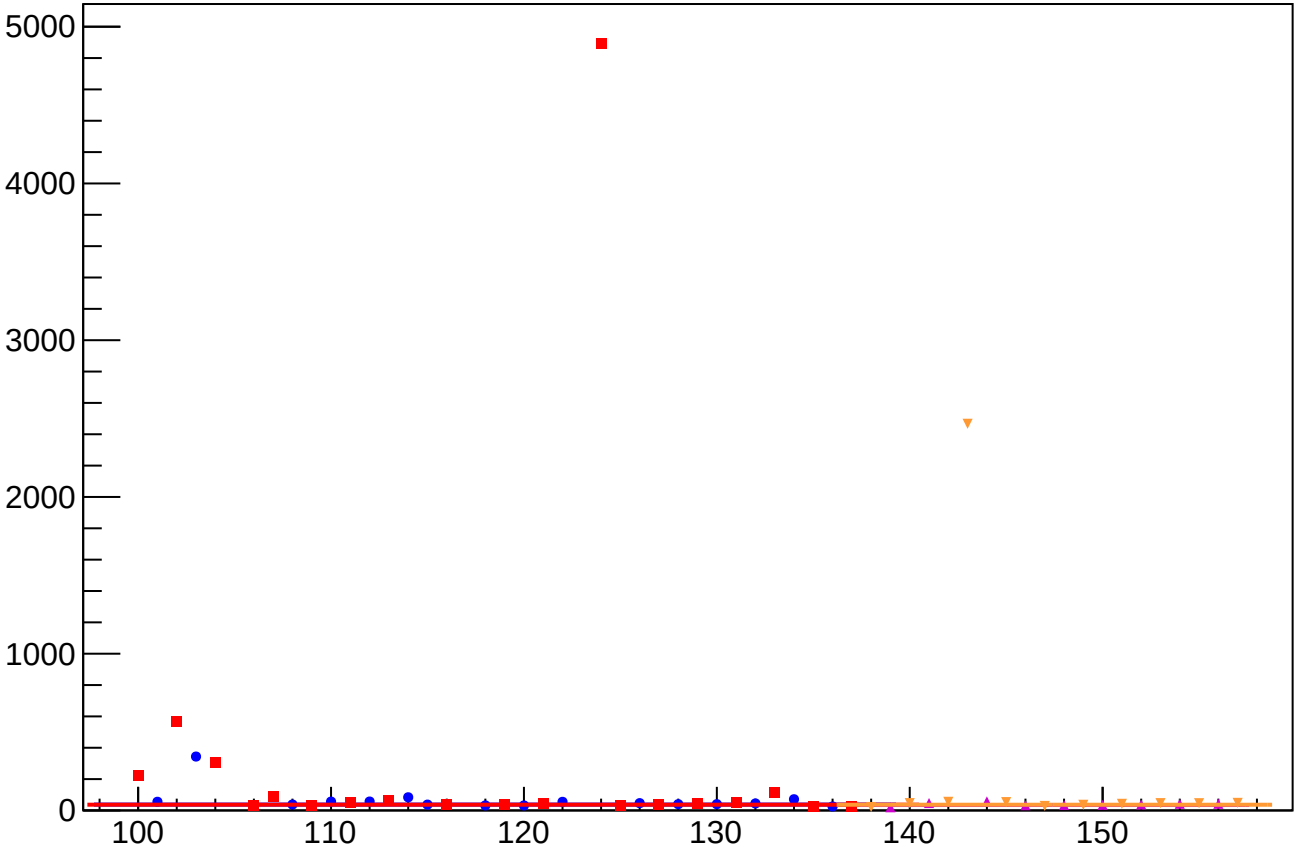
Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

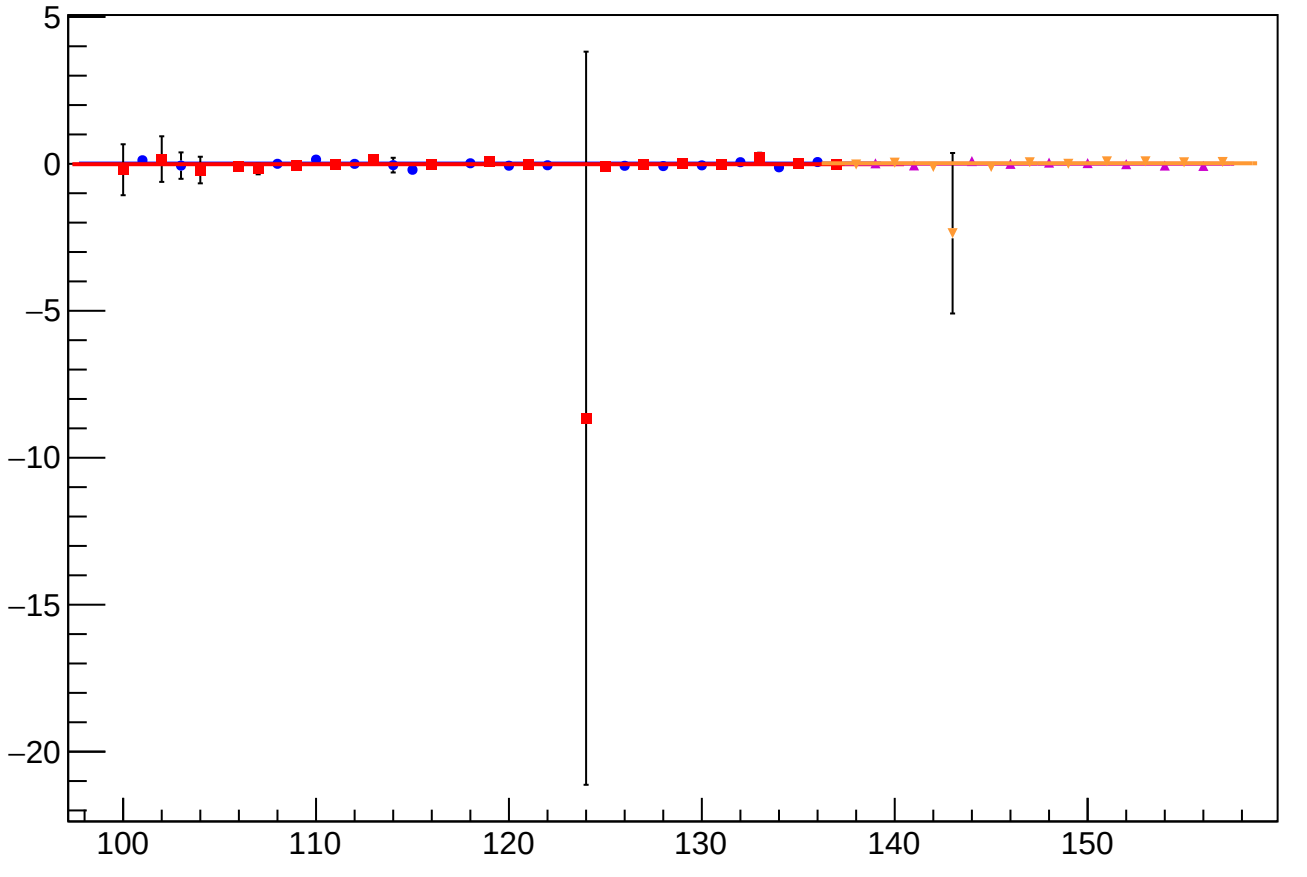
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.717+/-0.010 χ^2/NDF:1063285.1/8

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.239+/-0.005 χ^2/NDF: 9055092.6/54

- sign 35.554+/-0.008 χ^2/NDF: 4271737.4/27



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.019+/-0.014 χ^2/NDF:14.9/10

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

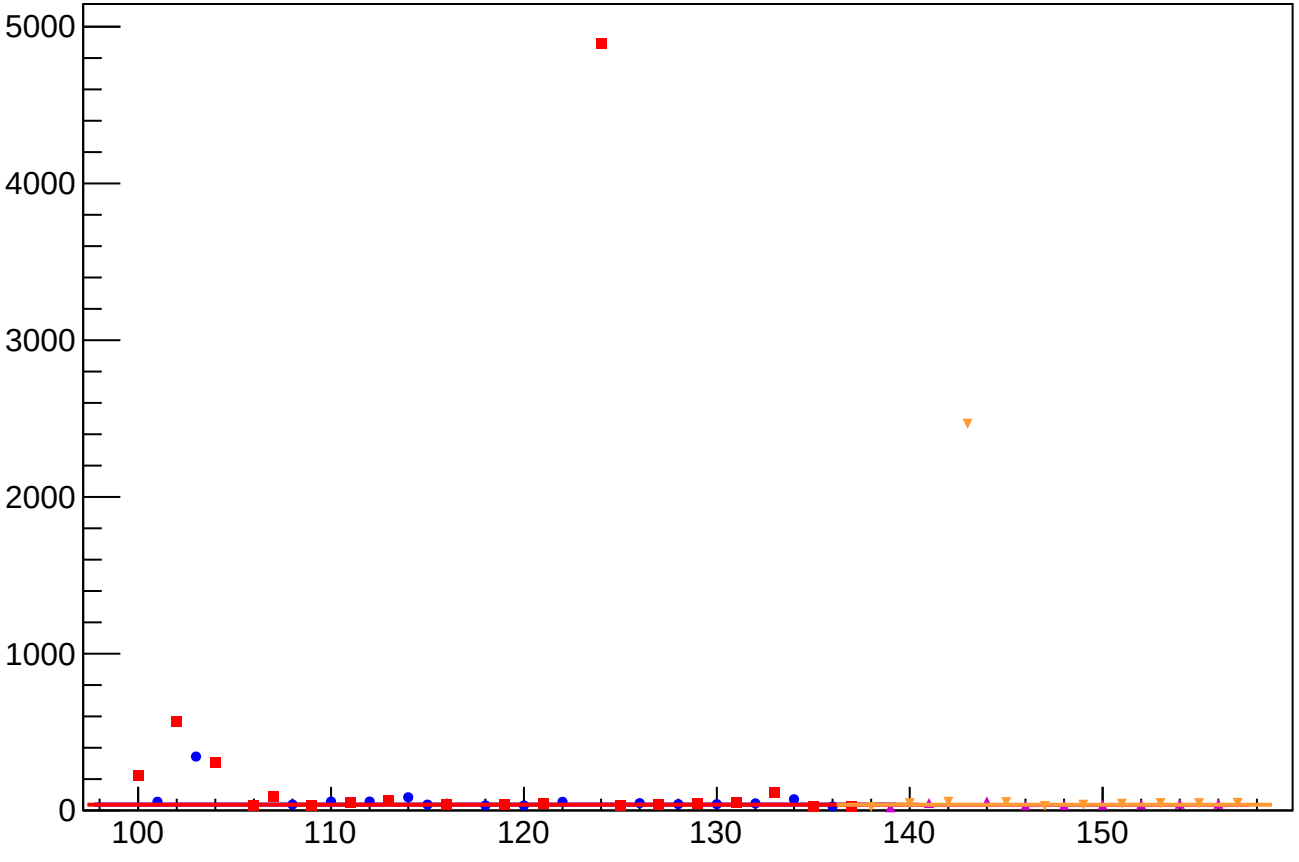
Left In: 0.003+/-0.014 χ^2/NDF:8.6/8

+ sign 0.014+/-0.011 χ^2/NDF: 34.4/26

All: 0.005+/-0.008 χ^2/NDF: 57.5/54

- sign -0.004+/-0.011 χ^2/NDF: 21.7/27

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 36.490+/-0.010 χ^2/NDF:2779003.4/10

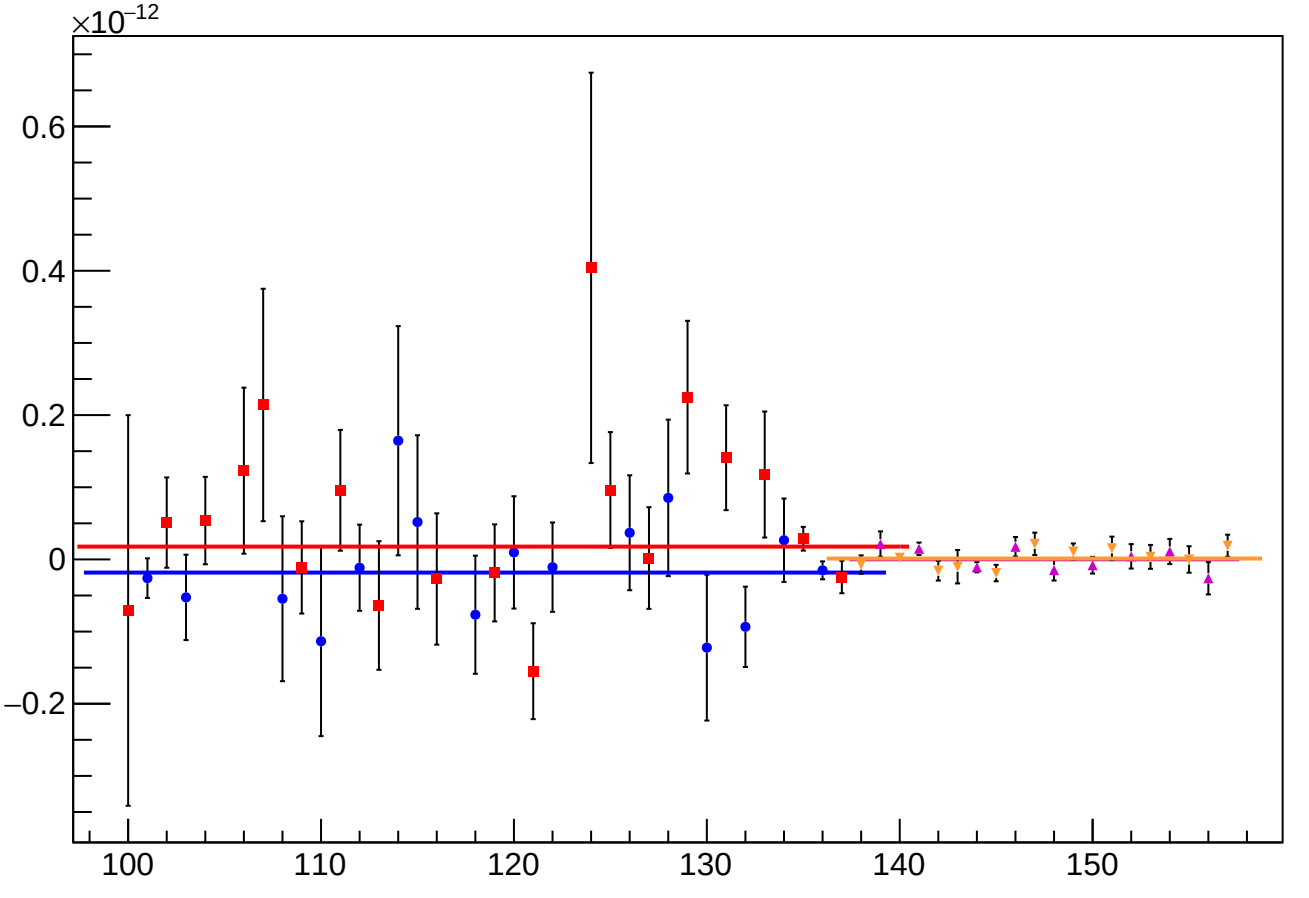
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.717+/-0.010 χ^2/NDF:1063285.1/8

+ sign 36.935+/-0.008 χ^2/NDF: 4766561.8/26

All: 36.239+/-0.005 χ^2/NDF: 9055092.6/54

- sign 35.554+/-0.008 χ^2/NDF: 4271737.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

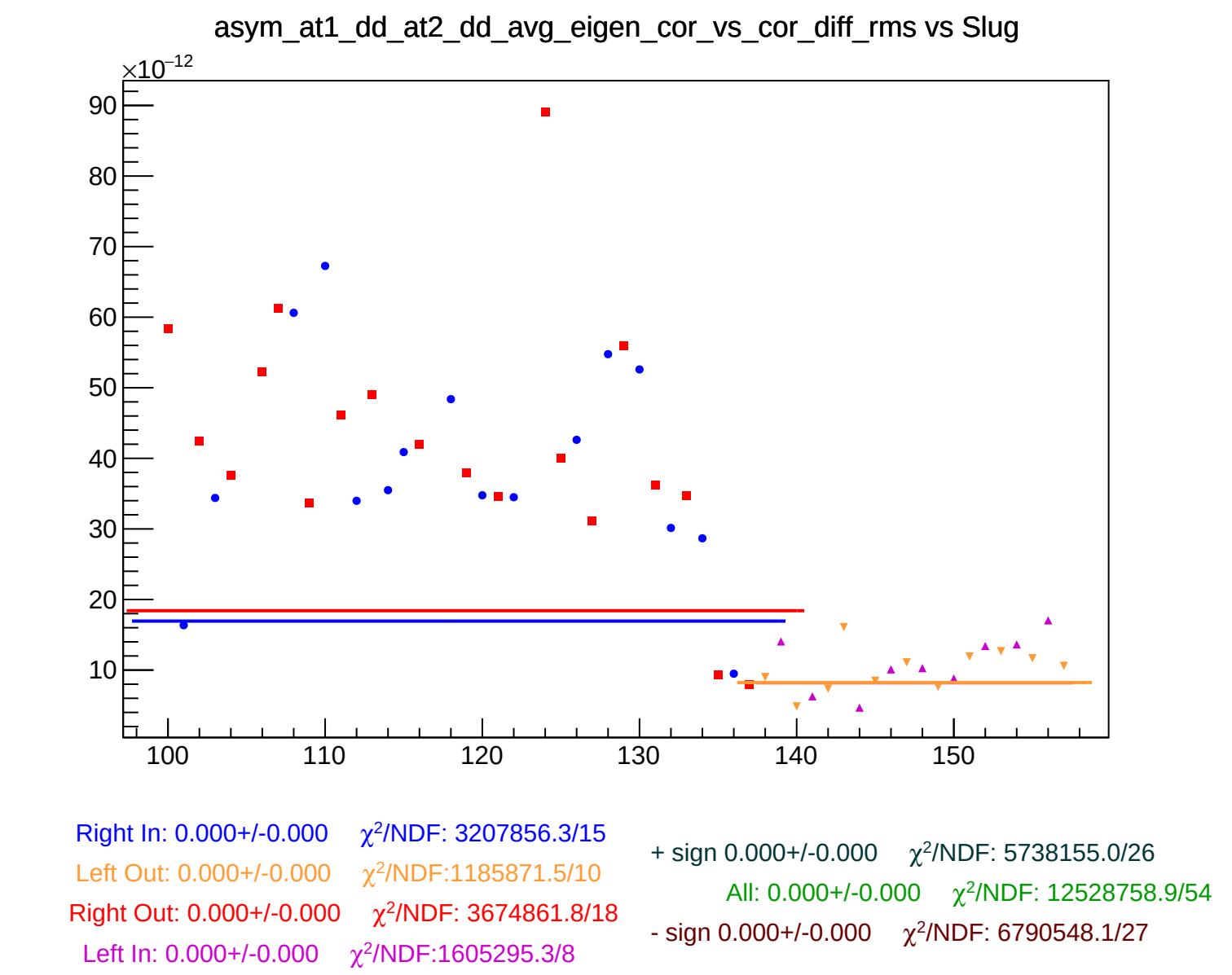
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/8

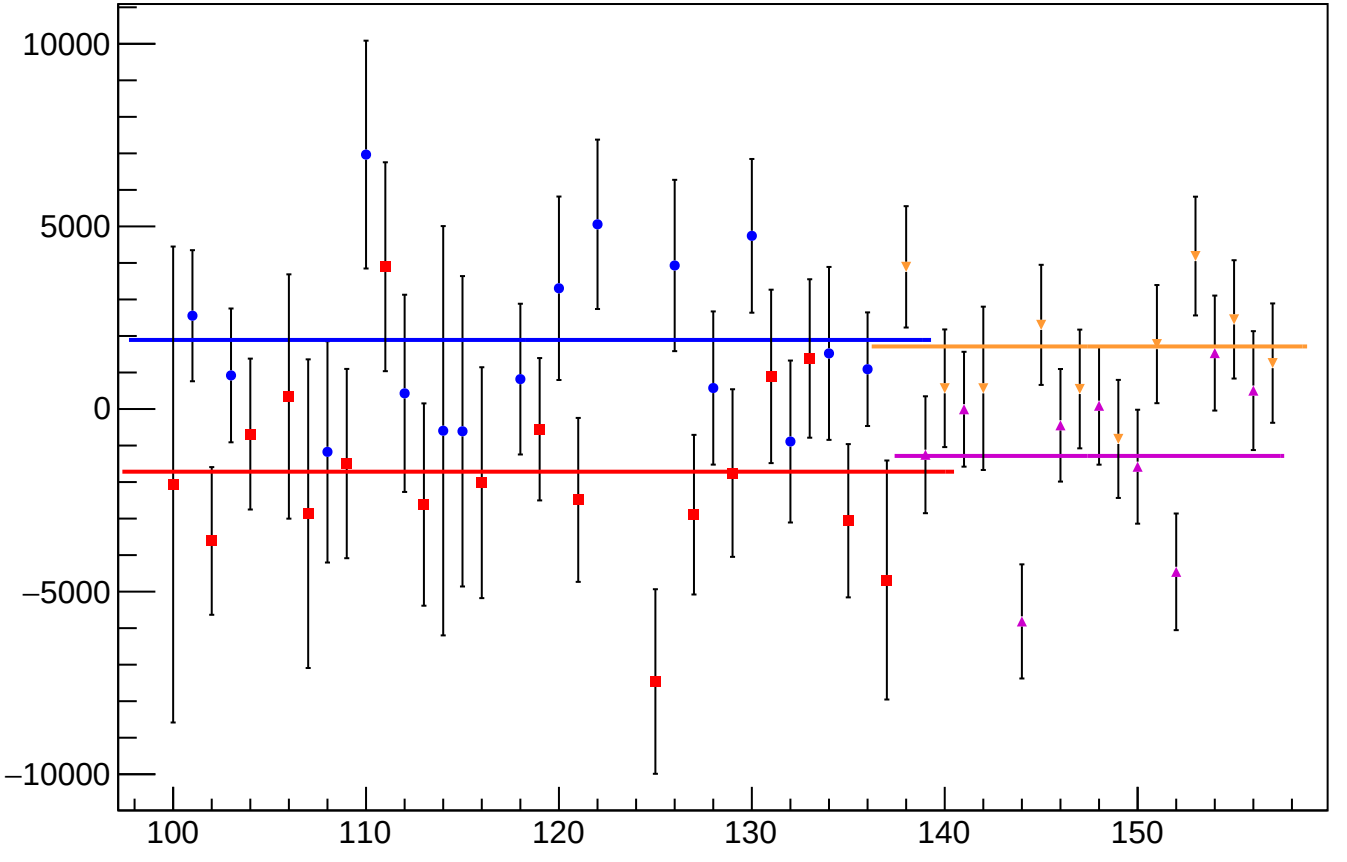
+ sign -0.000+/-0.000 χ^2/NDF: 21.6/26

All: 0.000+/-0.000 χ^2/NDF: 63.3/54

- sign 0.000+/-0.000 χ^2/NDF: 41.3/27


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1185871.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1605295.3/8
+ sign 0.000+/-0.000 χ²/NDF: 5738155.0/26
All: 0.000+/-0.000 χ²/NDF: 12528758.9/54
- sign 0.000+/-0.000 χ²/NDF: 6790548.1/27

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.275+/-527.439 χ^2/NDF:8.2/9

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

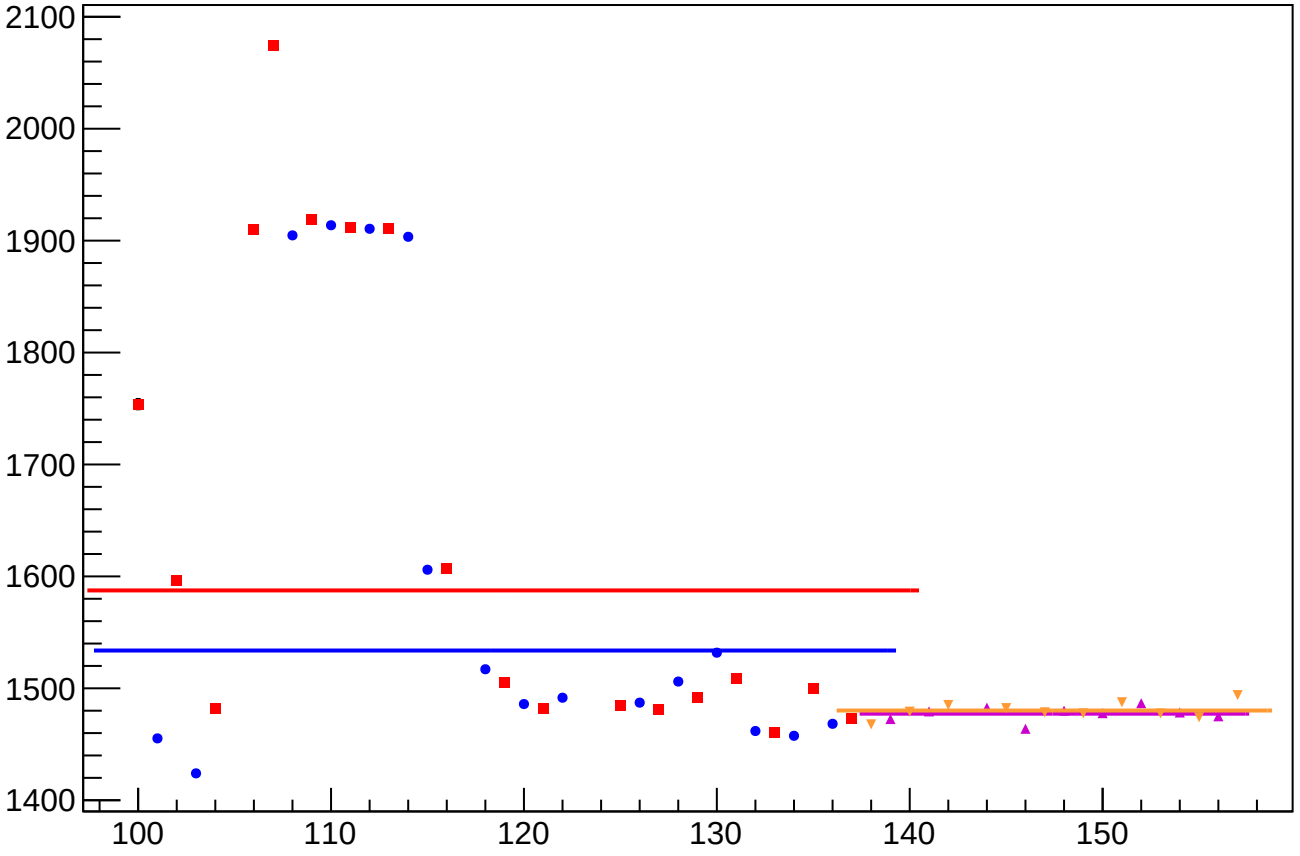
Left In: -1284.183+/-527.541 χ^2/NDF:18.5/8

+ sign 1795.118+/-387.829 χ^2/NDF: 20.5/25

All: 181.635+/-276.088 χ^2/NDF: 90.3/52

- sign -1476.166+/-393.120 χ^2/NDF: 34.8/26

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

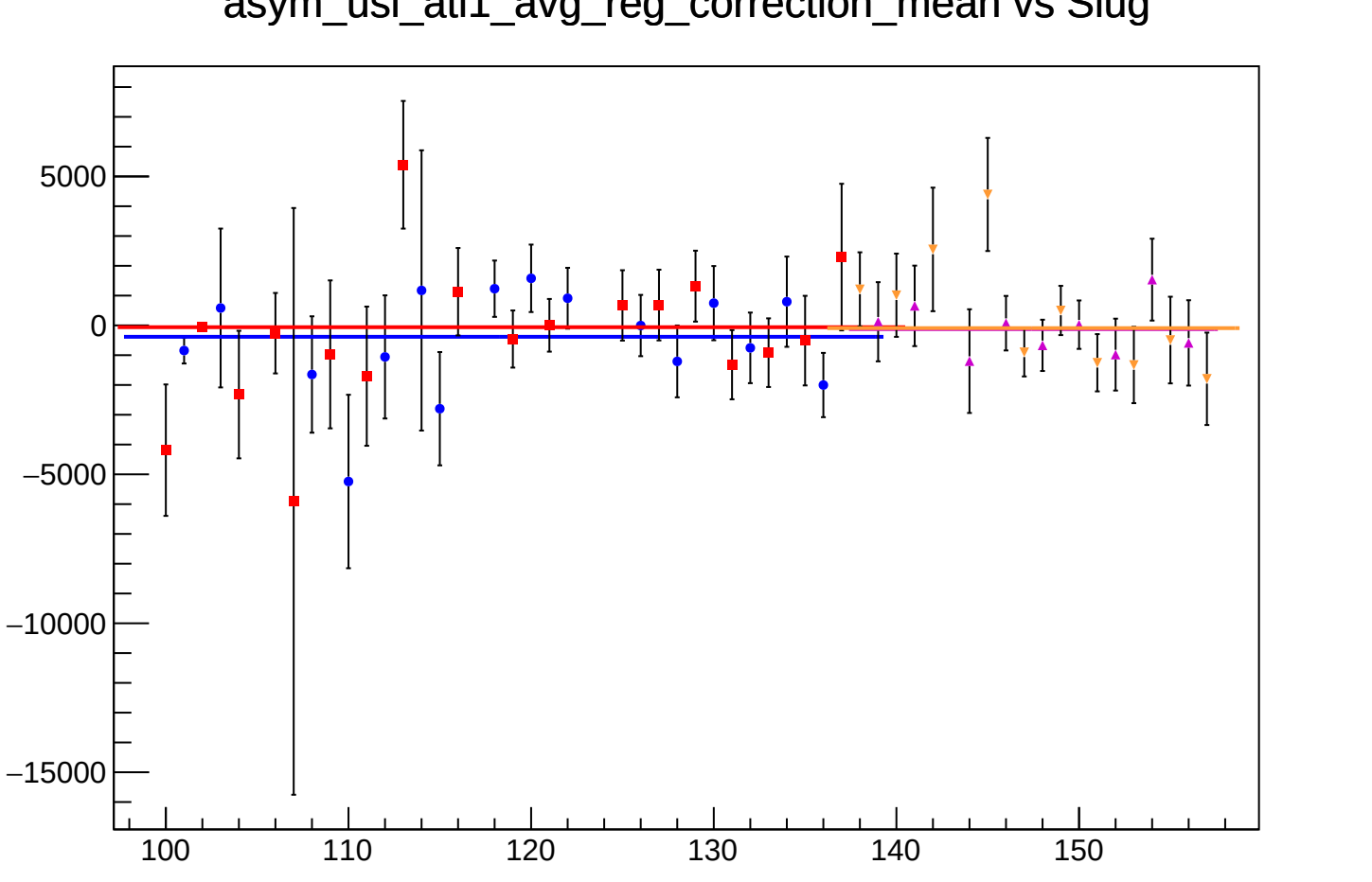
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.339+/-0.373 χ^2/NDF:277.2/8

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.400+/-0.195 χ^2/NDF: 353171.7/52

- sign 1526.309+/-0.278 χ^2/NDF: 211020.4/26



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -91.918+/-371.968 χ^2/NDF:14.1/9

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

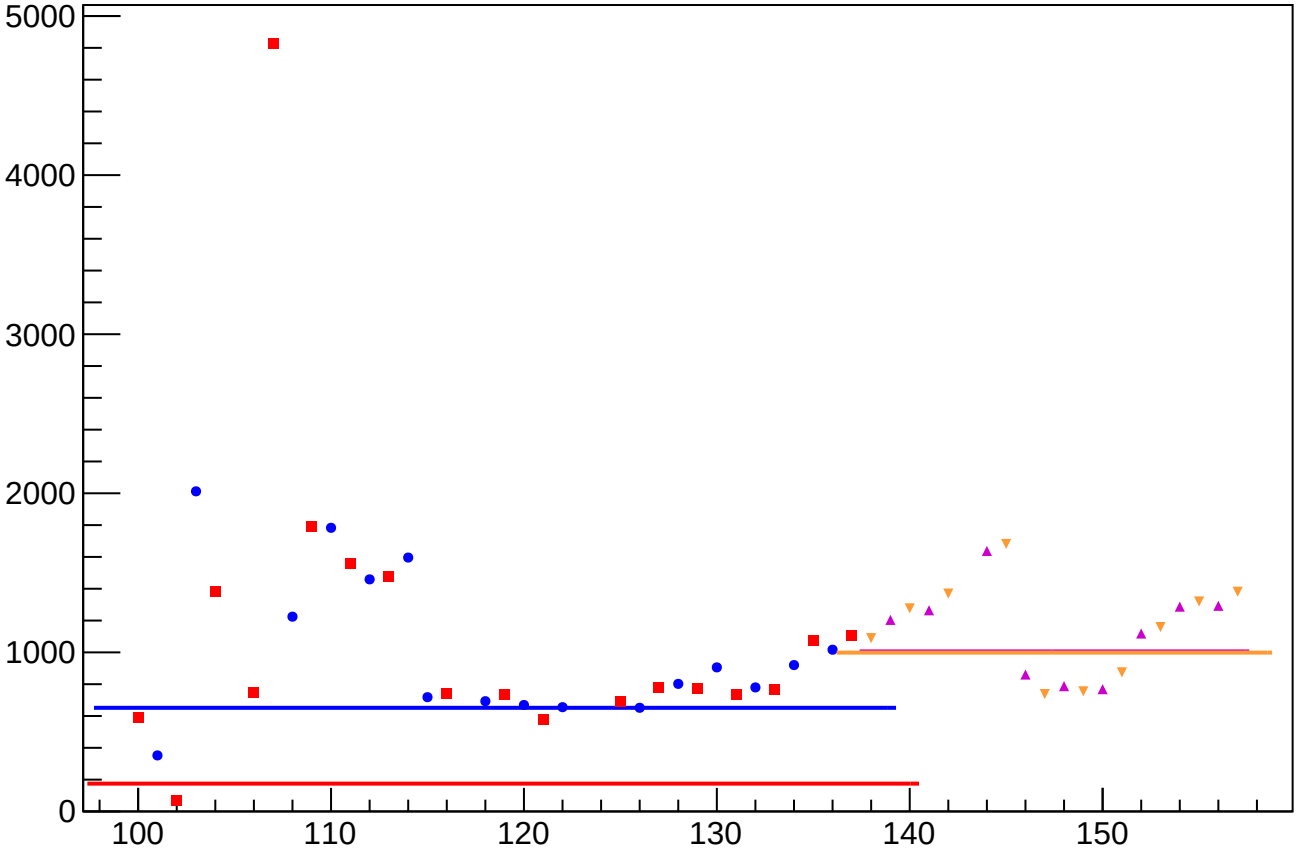
Left In: -124.157+/-372.567 χ^2/NDF:3.3/8

+ sign -281.342+/-219.670 χ^2/NDF: 32.7/25

All: -116.553+/-105.852 χ^2/NDF: 54.5/52

- sign -66.718+/-120.801 χ^2/NDF: 21.1/26

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 998.501+/-0.263 χ^2/NDF:1076625.4/9

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

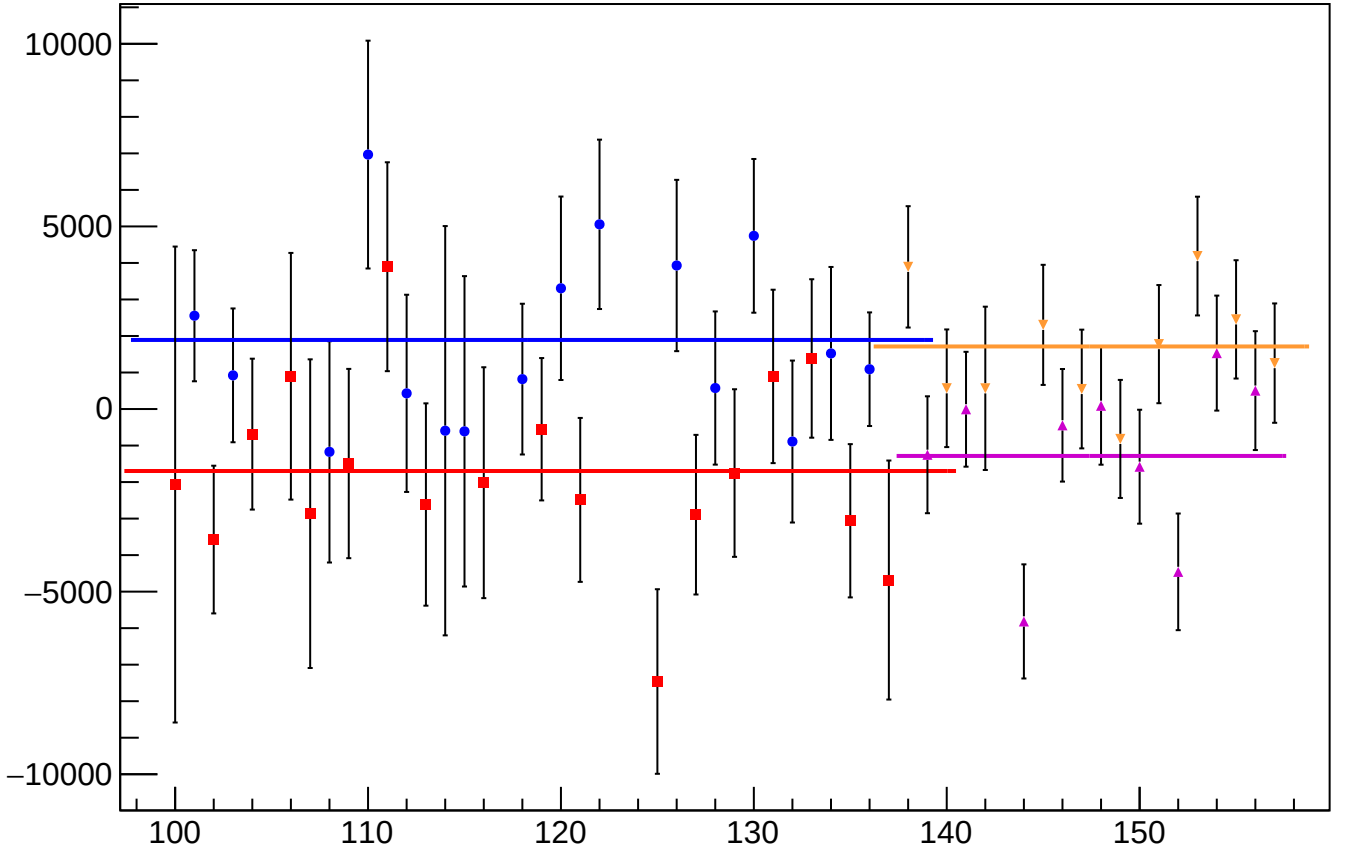
Left In: 1006.091+/-0.263 χ^2/NDF:912245.1/8

+ sign 772.536+/-0.155 χ^2/NDF: 4972622.5/25

All: 380.761+/-0.075 χ^2/NDF: 32839482.2/52

- sign 262.283+/-0.085 χ^2/NDF: 19581534.0/26

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

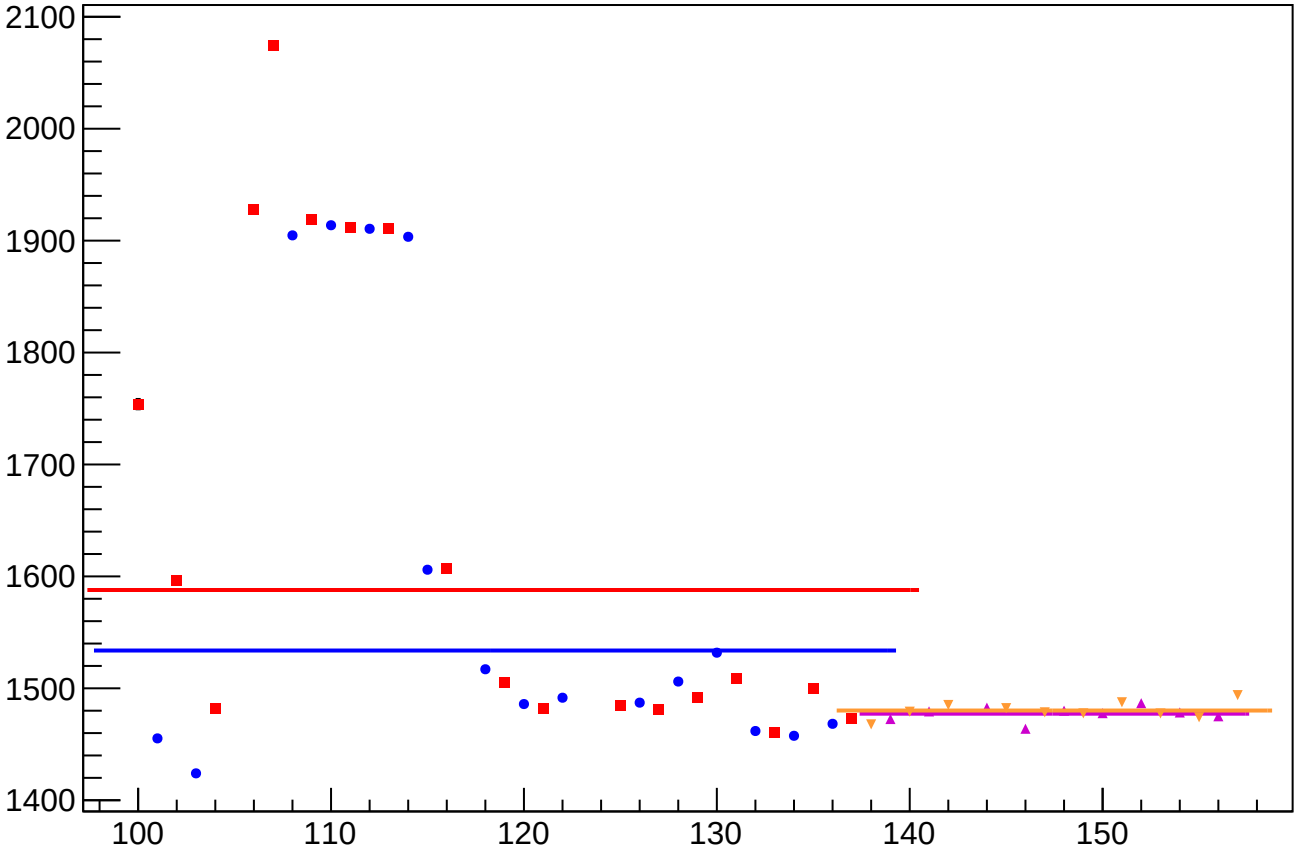
Left In: -1284.333+/-527.541 χ^2/NDF:18.5/8

+ sign 1795.135+/-387.829 χ^2/NDF: 20.5/25

All: 186.007+/-276.107 χ^2/NDF: 90.3/52

- sign -1467.773+/-393.173 χ^2/NDF: 34.9/26

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

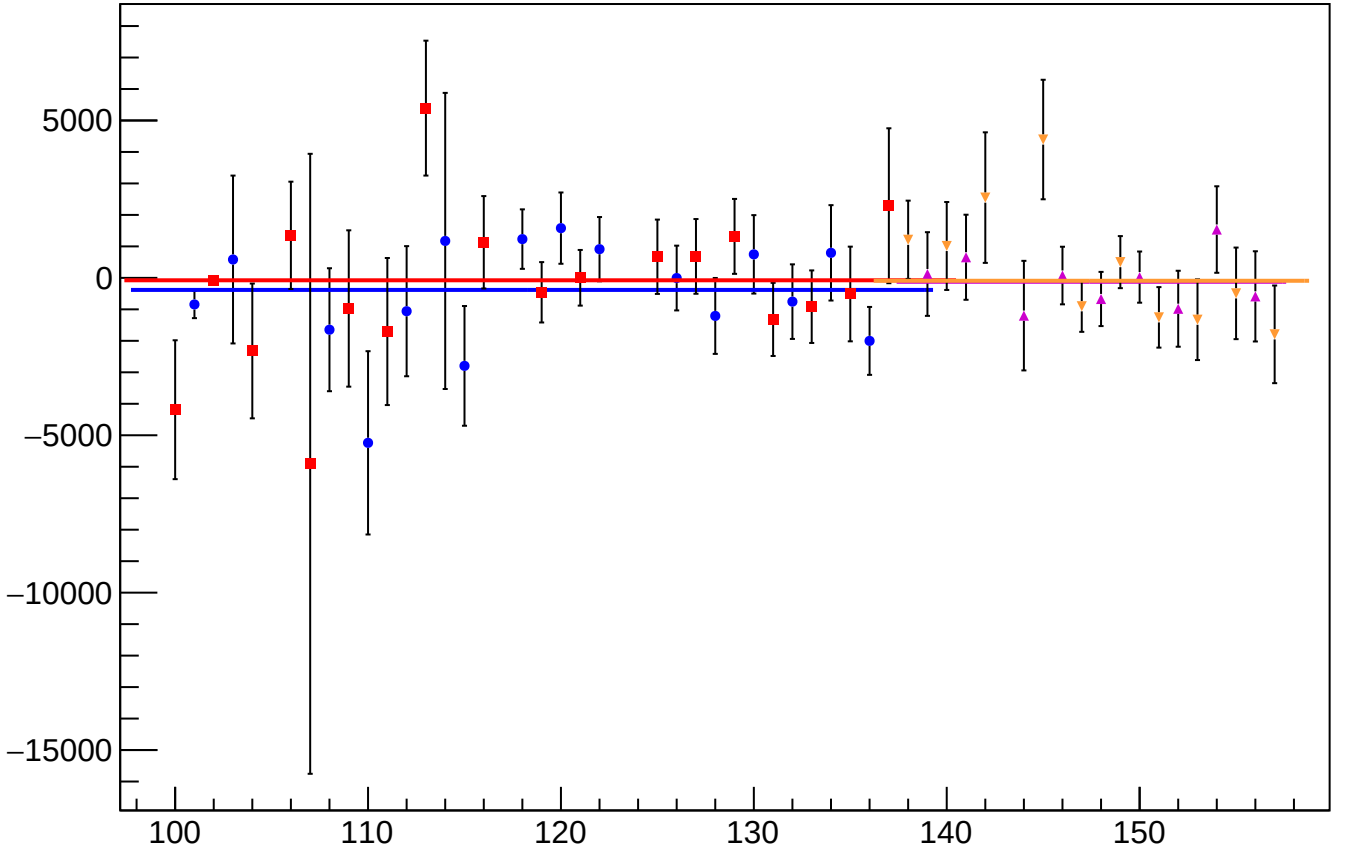
Left In: 1477.339+/-0.373 χ^2/NDF:277.2/8

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.474+/-0.195 χ^2/NDF: 355251.7/52

- sign 1526.463+/-0.278 χ^2/NDF: 213057.1/26

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

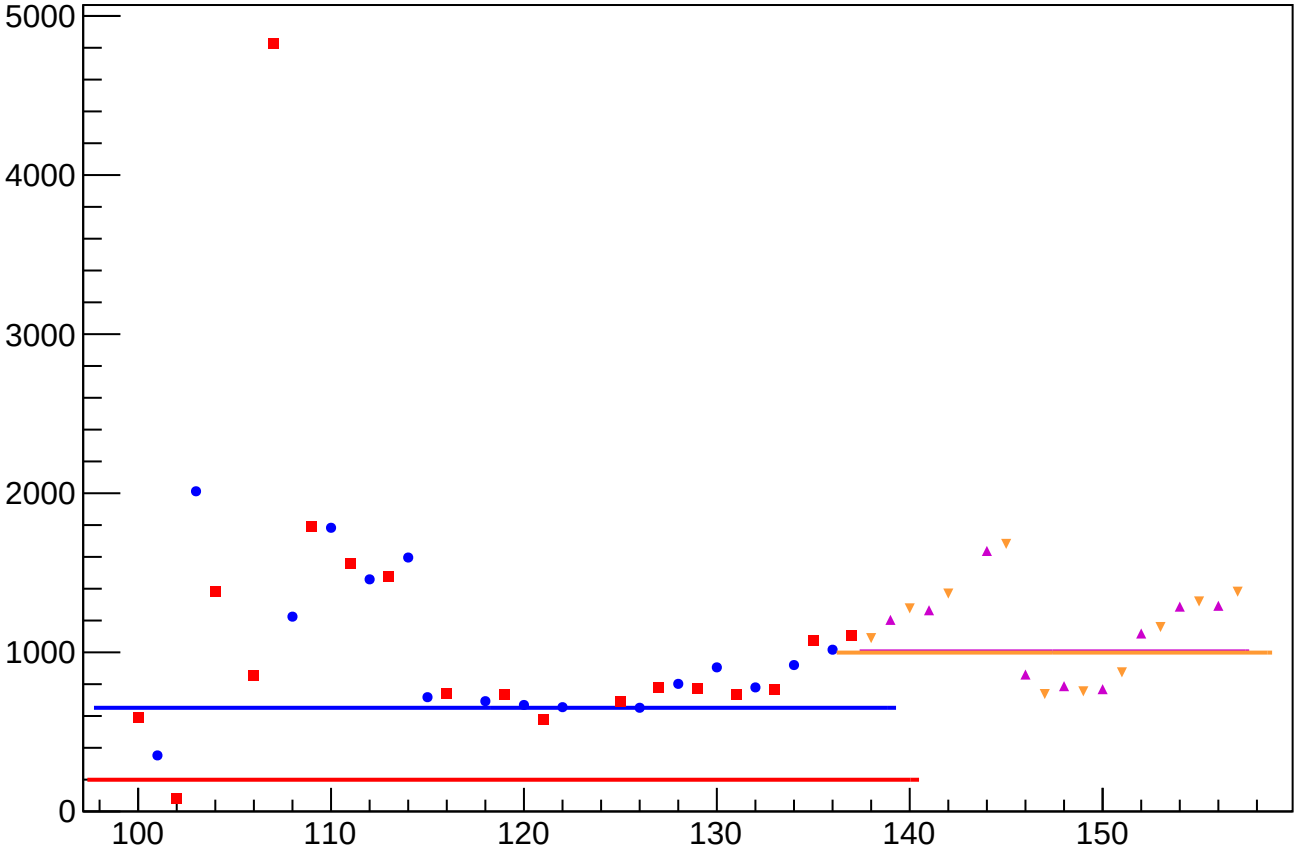
Left In: -124.220+/-372.567 χ^2/NDF:3.3/8

+ sign -281.401+/-219.671 χ^2/NDF: 32.7/25

All: -133.802+/-111.571 χ^2/NDF: 55.1/52

- sign -82.491+/-129.521 χ^2/NDF: 21.8/26

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

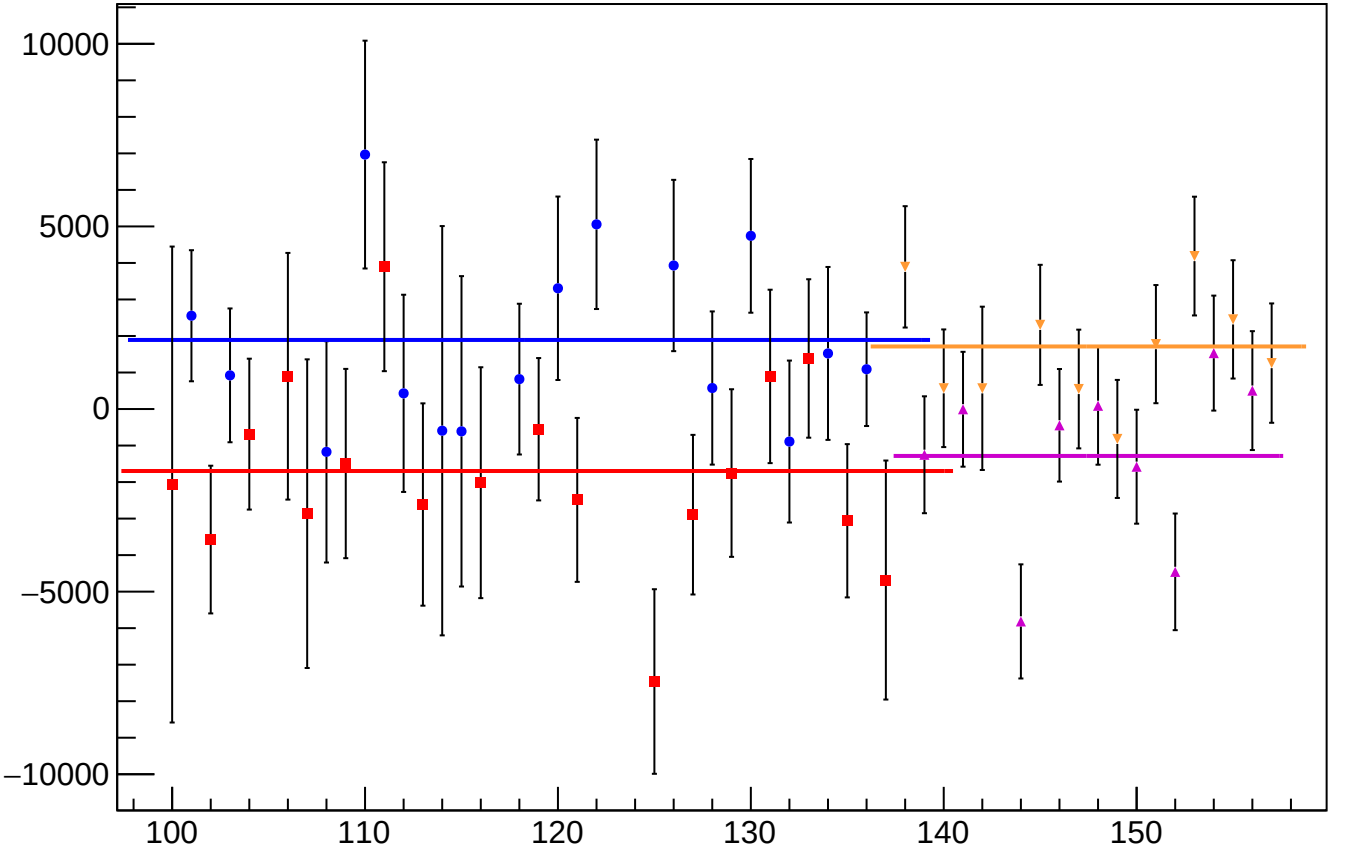
Left In: 1006.090+/-0.263 χ^2/NDF:912294.0/8

+ sign 772.538+/-0.155 χ^2/NDF: 4972710.9/25

All: 419.556+/-0.079 χ^2/NDF: 30373356.2/52

- sign 296.844+/-0.092 χ^2/NDF: 18441384.3/26

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1713.217+/-527.439 χ^2/NDF:8.2/9

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

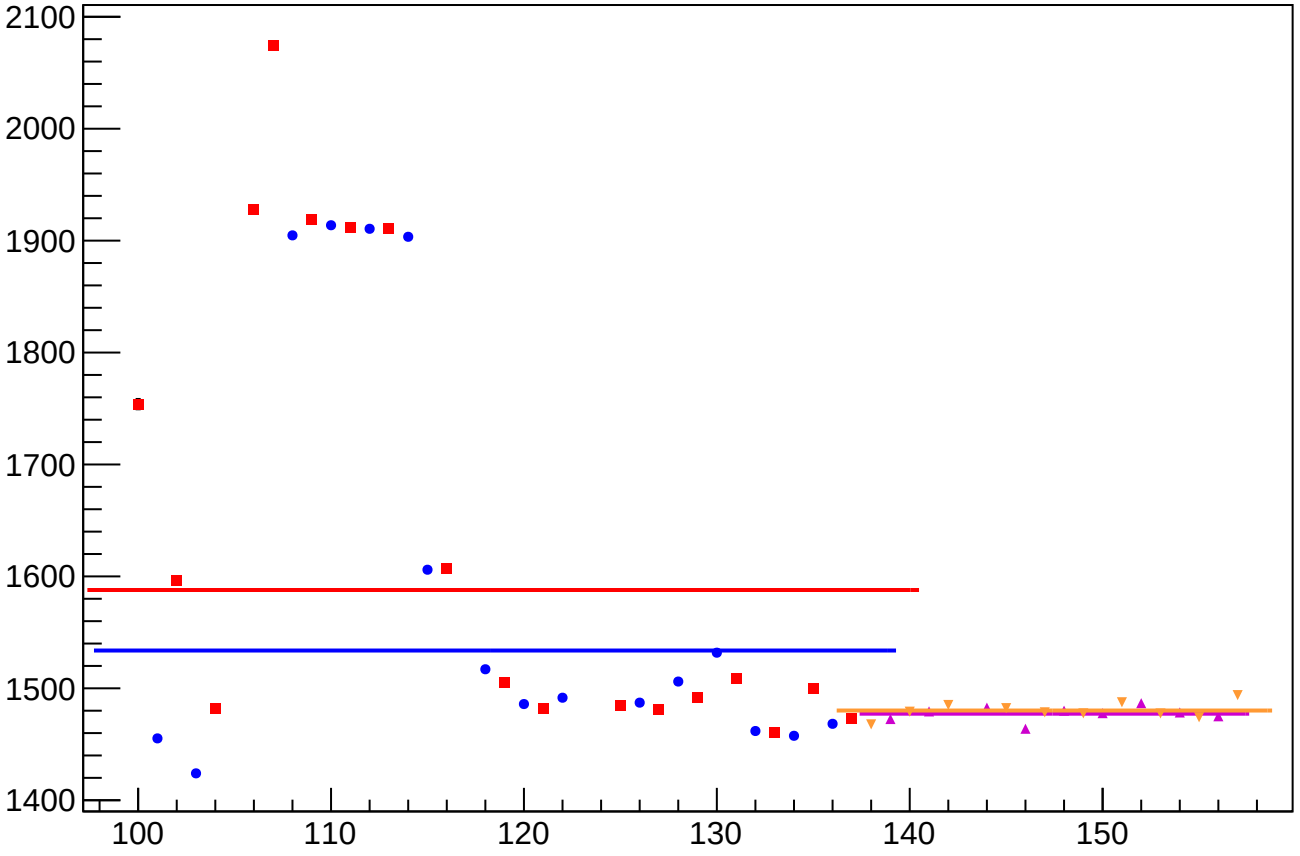
Left In: -1284.333+/-527.541 χ^2/NDF:18.5/8

+ sign 1795.135+/-387.829 χ^2/NDF: 20.5/25

All: 186.007+/-276.107 χ^2/NDF: 90.3/52

- sign -1467.773+/-393.173 χ^2/NDF: 34.9/26

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1480.155+/-0.373 χ^2/NDF:347.8/9

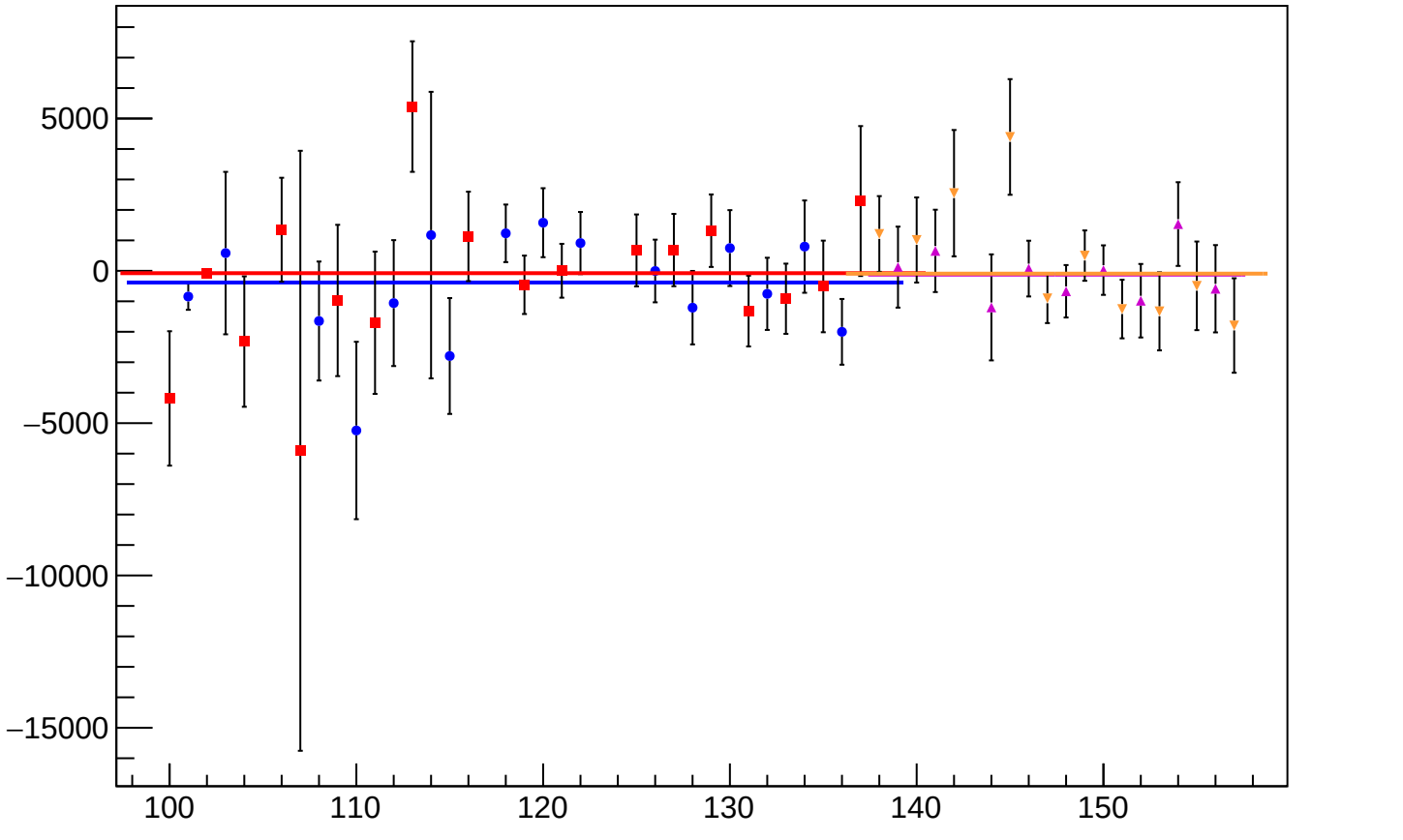
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.339+/-0.373 χ^2/NDF:277.2/8

+ sign 1504.782+/-0.274 χ^2/NDF: 139112.1/25

All: 1515.474+/-0.195 χ^2/NDF: 355251.7/52

- sign 1526.463+/-0.278 χ^2/NDF: 213057.1/26



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -92.130+/-371.971 χ^2/NDF:14.1/9

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

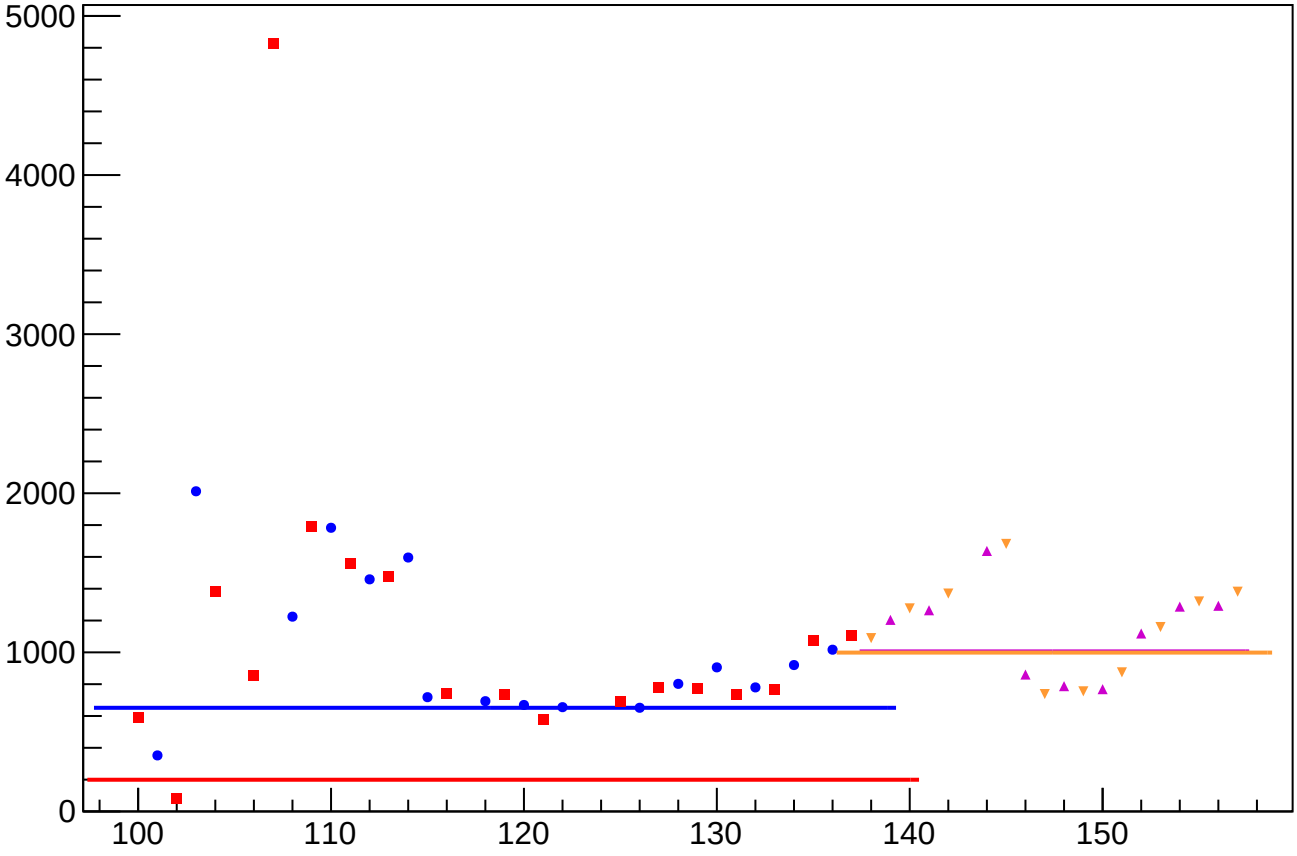
Left In: -124.220+/-372.567 χ^2/NDF:3.3/8

\+ sign -281.401+/-219.671 χ^2/NDF: 32.7/25

All: -133.802+/-111.571 χ^2/NDF: 55.1/52

\- sign -82.491+/-129.521 χ^2/NDF: 21.8/26

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 998.511+/-0.263 χ^2/NDF:1076621.3/9

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

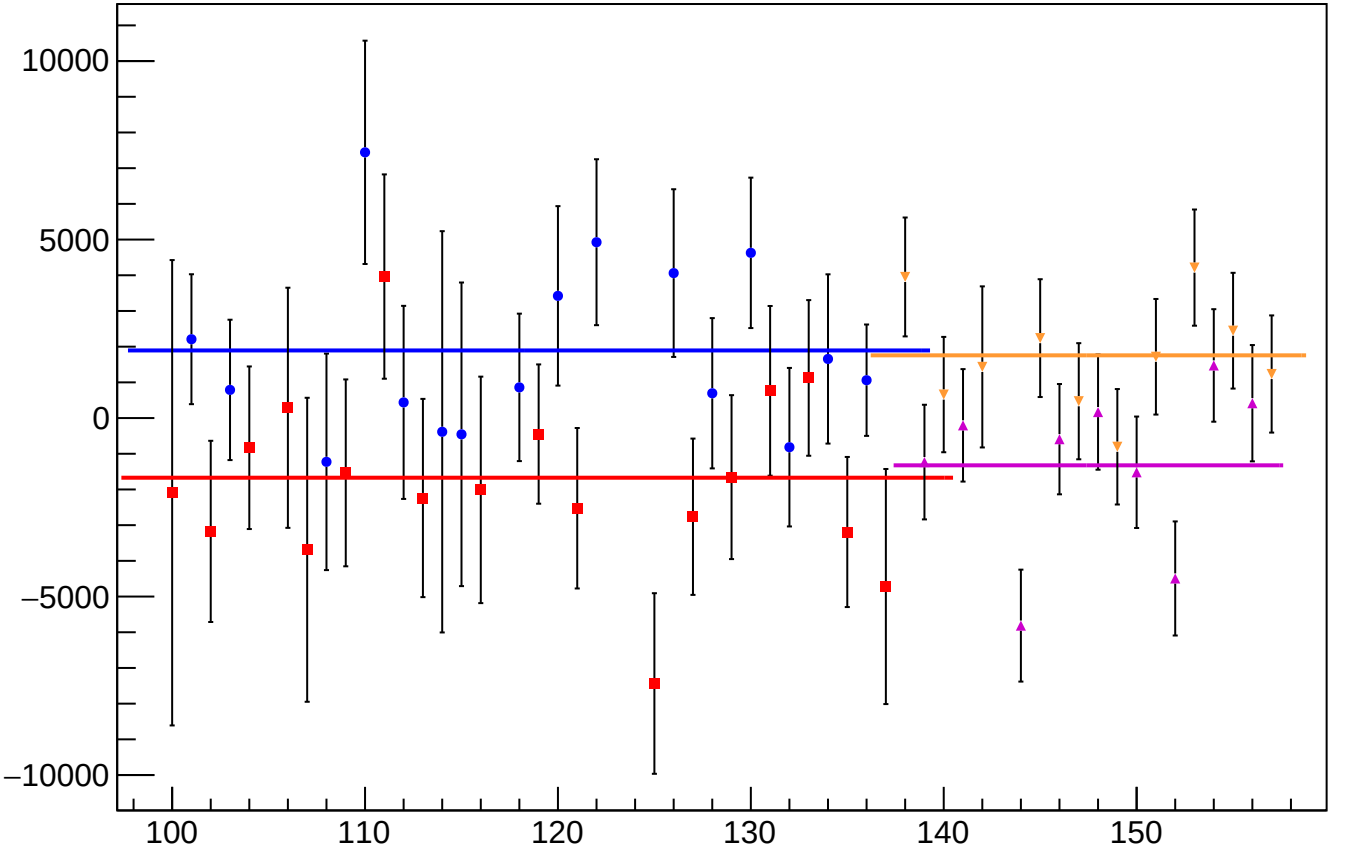
Left In: 1006.090+/-0.263 χ^2/NDF:912294.0/8

+ sign 772.538+/-0.155 χ^2/NDF: 4972710.9/25

All: 419.556+/-0.079 χ^2/NDF: 30373356.2/52

- sign 296.844+/-0.092 χ^2/NDF: 18441384.3/26

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1757.211+/-528.617 χ^2/NDF:8.0/9

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

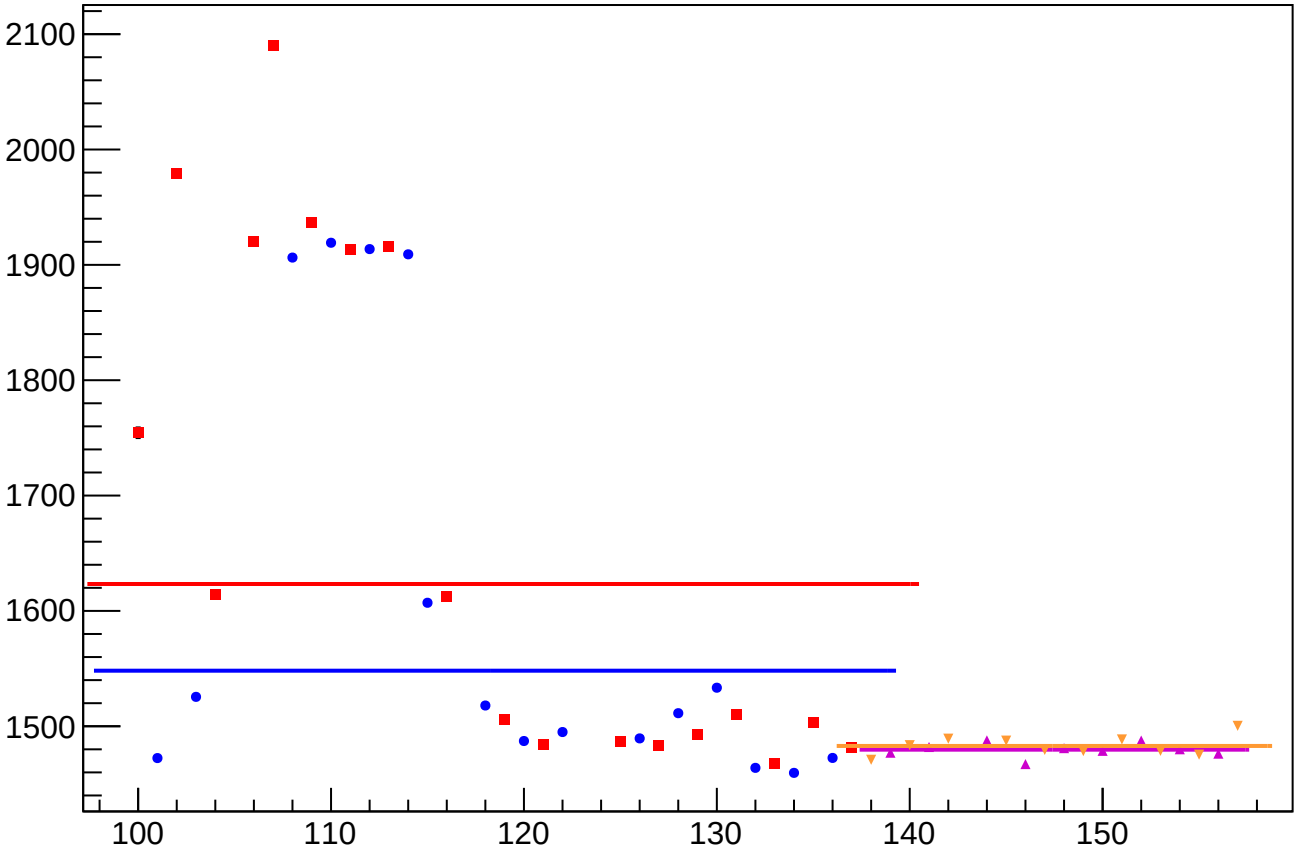
Left In: -1323.949+/-528.397 χ^2/NDF:18.0/8

+ sign 1819.635+/-389.967 χ^2/NDF: 20.3/25

All: 206.040+/-278.522 χ^2/NDF: 88.5/52

- sign -1474.142+/-397.932 χ^2/NDF: 33.3/26

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

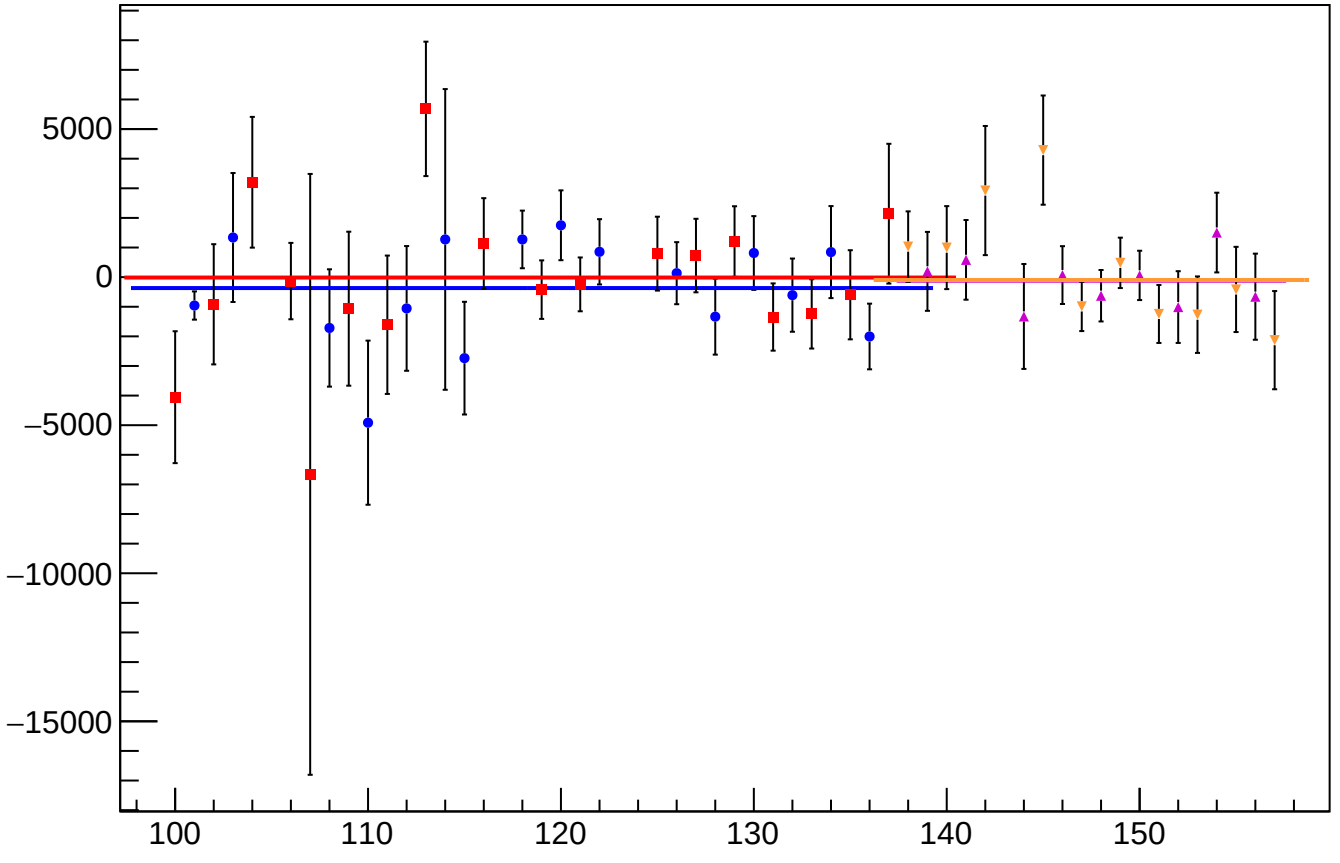
Left In: 1479.707+/-0.374 χ^2/NDF:253.1/8

+ sign 1512.666+/-0.276 χ^2/NDF: 134259.1/25

All: 1526.975+/-0.197 χ^2/NDF: 415501.3/52

- sign 1541.875+/-0.281 χ^2/NDF: 275745.6/26

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -96.671+/-377.151 χ^2/NDF:14.4/9

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

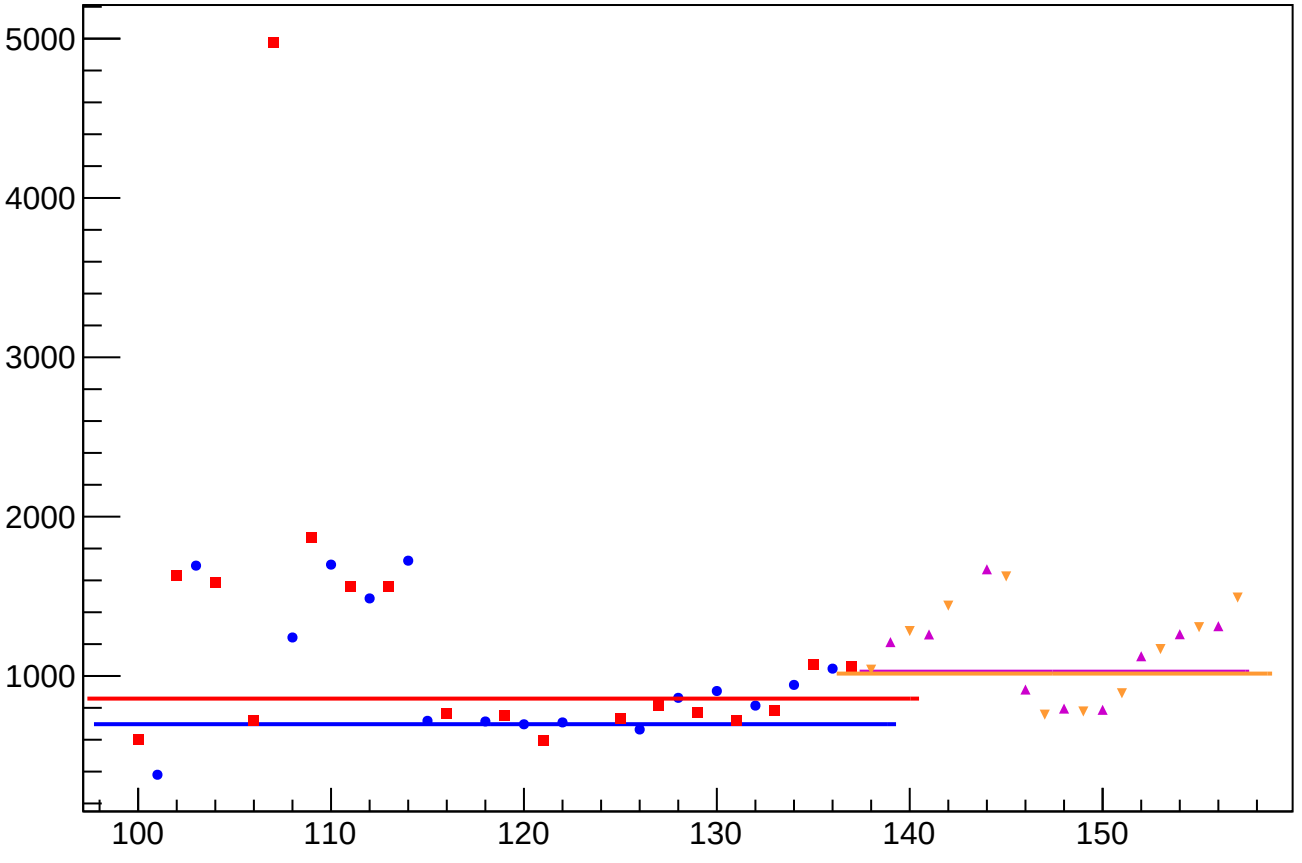
Left In: -120.105+/-379.131 χ^2/NDF:3.4/8

+ sign -269.134+/-228.178 χ^2/NDF: 33.7/25

All: -176.261+/-169.675 χ^2/NDF: 56.5/52

- sign -61.388+/-253.769 χ^2/NDF: 22.5/26

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1015.061+/-0.267 χ^2/NDF:1023949.9/9

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

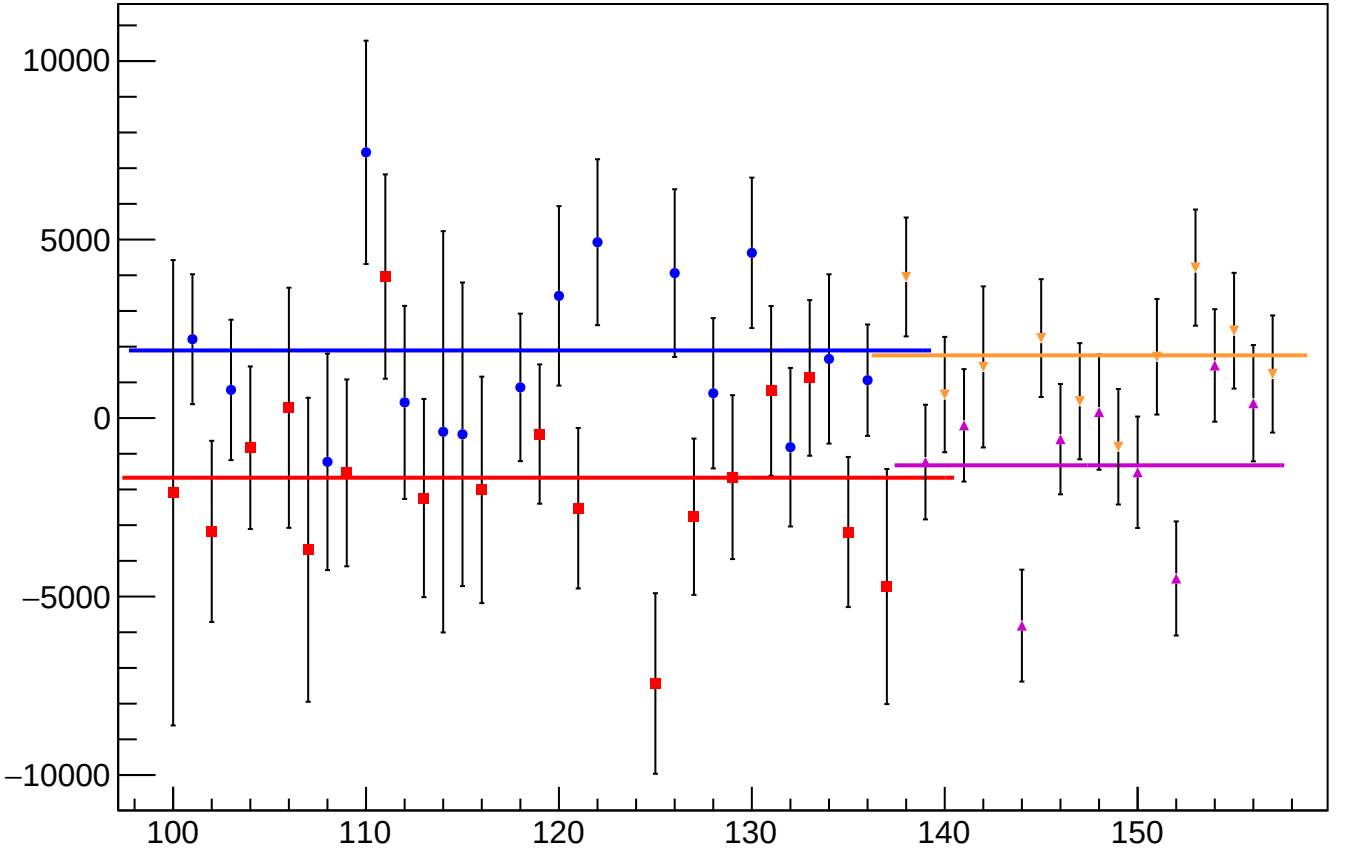
Left In: 1027.073+/-0.268 χ^2/NDF:846924.6/8

+ sign 813.748+/-0.161 χ^2/NDF: 4358380.5/25

All: 867.418+/-0.120 χ^2/NDF: 7554269.2/52

- sign 933.801+/-0.179 χ^2/NDF: 2948384.4/26

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1757.210+/-528.617 χ^2/NDF:8.0/9

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

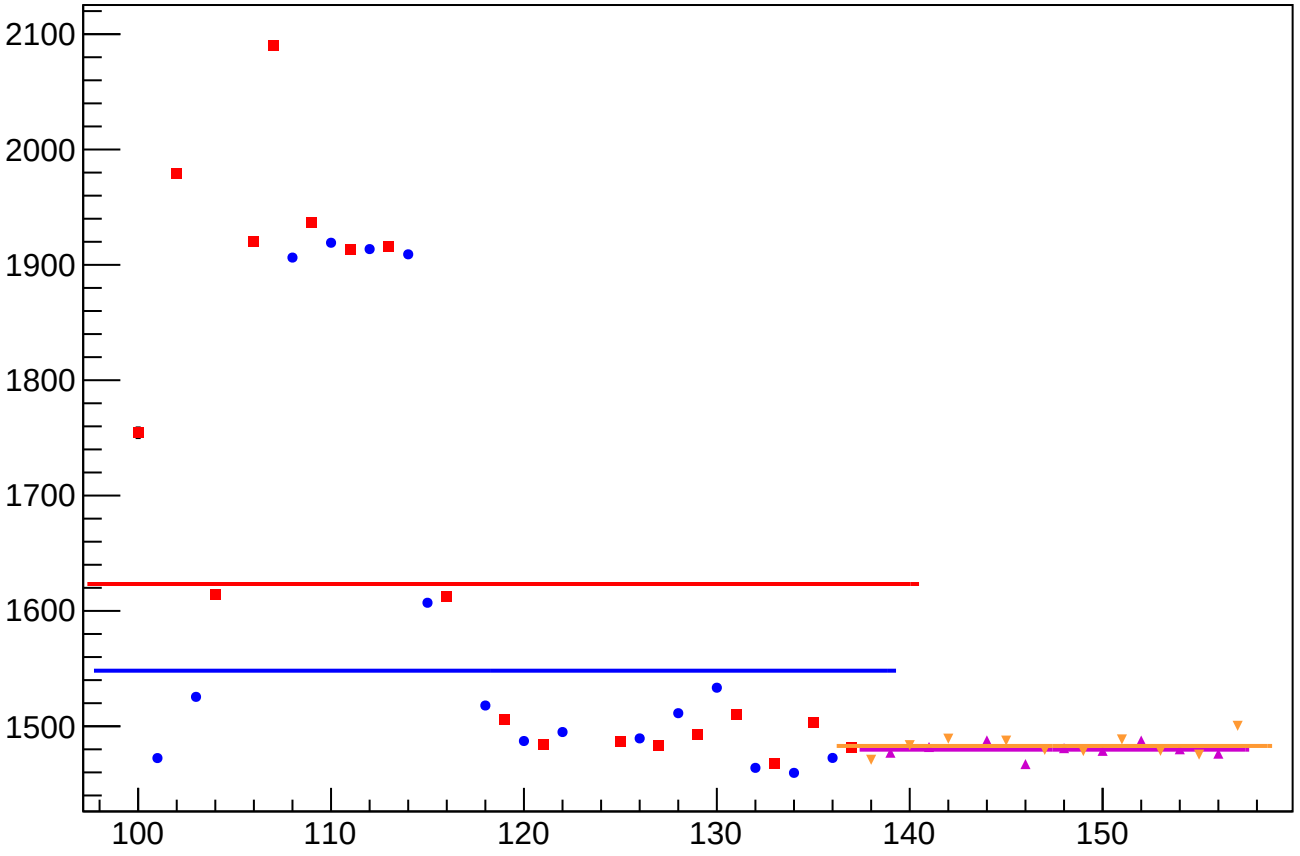
Left In: -1323.950+/-528.397 χ^2/NDF:18.0/8

+ sign 1819.633+/-389.967 χ^2/NDF: 20.3/25

All: 206.039+/-278.522 χ^2/NDF: 88.5/52

- sign -1474.141+/-397.932 χ^2/NDF: 33.3/26

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.929+/-0.374 χ^2/NDF:467.0/9

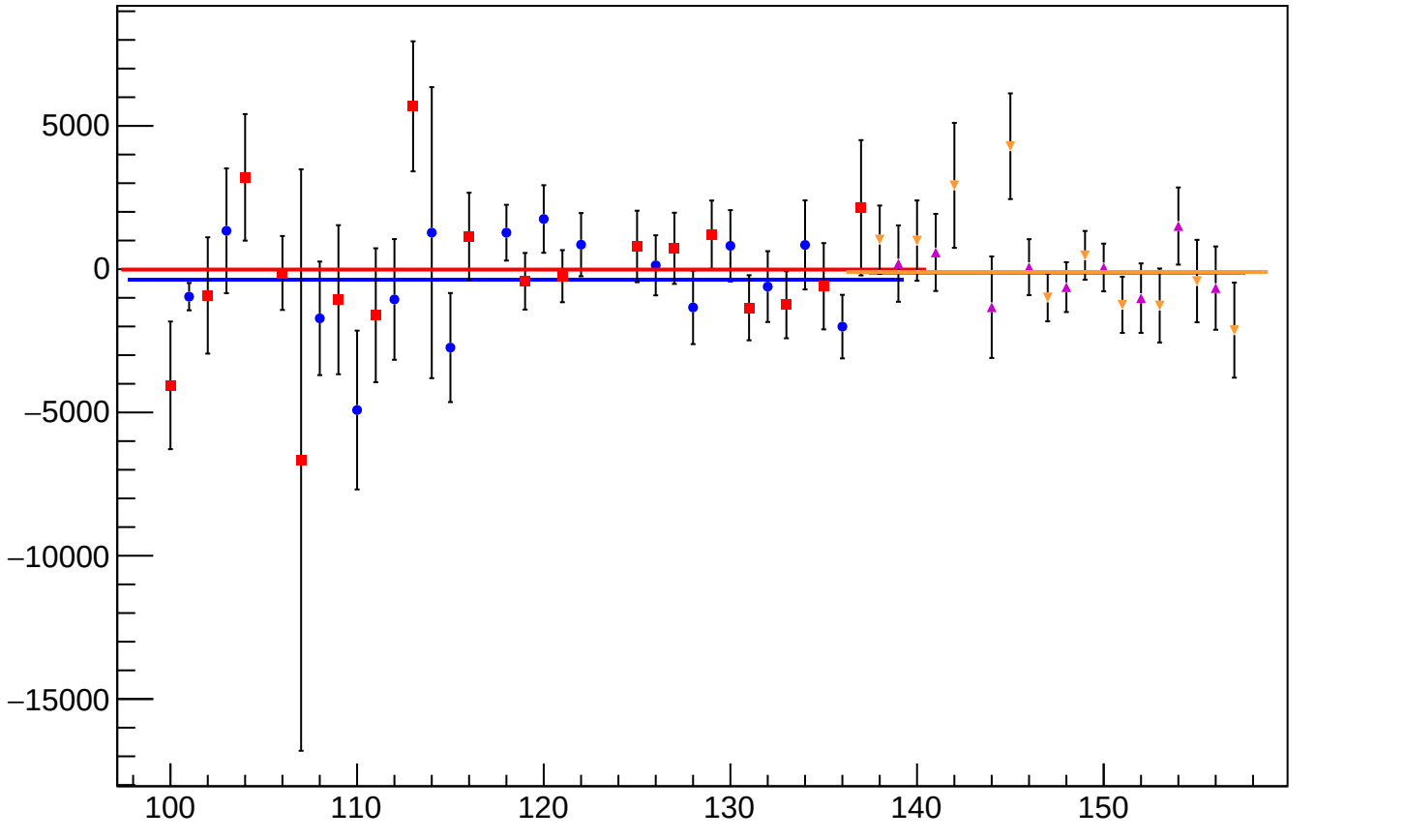
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1479.707+/-0.374 χ^2/NDF:253.1/8

+ sign 1512.666+/-0.276 χ^2/NDF: 134259.0/25

All: 1526.975+/-0.197 χ^2/NDF: 415500.9/52

- sign 1541.875+/-0.281 χ^2/NDF: 275745.2/26



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -96.674+/-377.152 χ^2/NDF:14.4/9

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

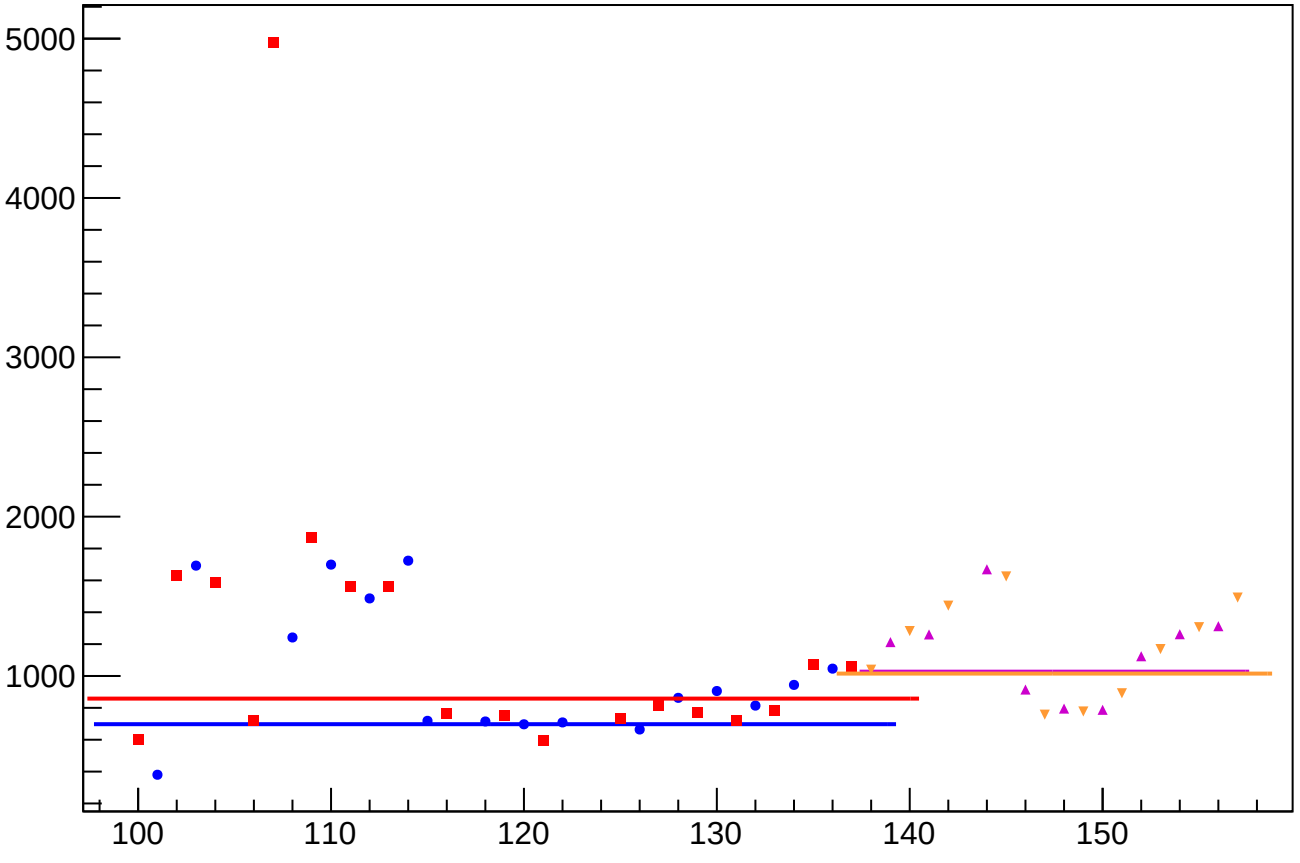
Left In: -120.106+/-379.132 χ^2/NDF:3.4/8

\+ sign -269.135+/-228.178 χ^2/NDF: 33.7/25

All: -176.262+/-169.675 χ^2/NDF: 56.5/52

\- sign -61.389+/-253.769 χ^2/NDF: 22.5/26

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1015.063+/-0.267 χ^2/NDF:1023947.4/9

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

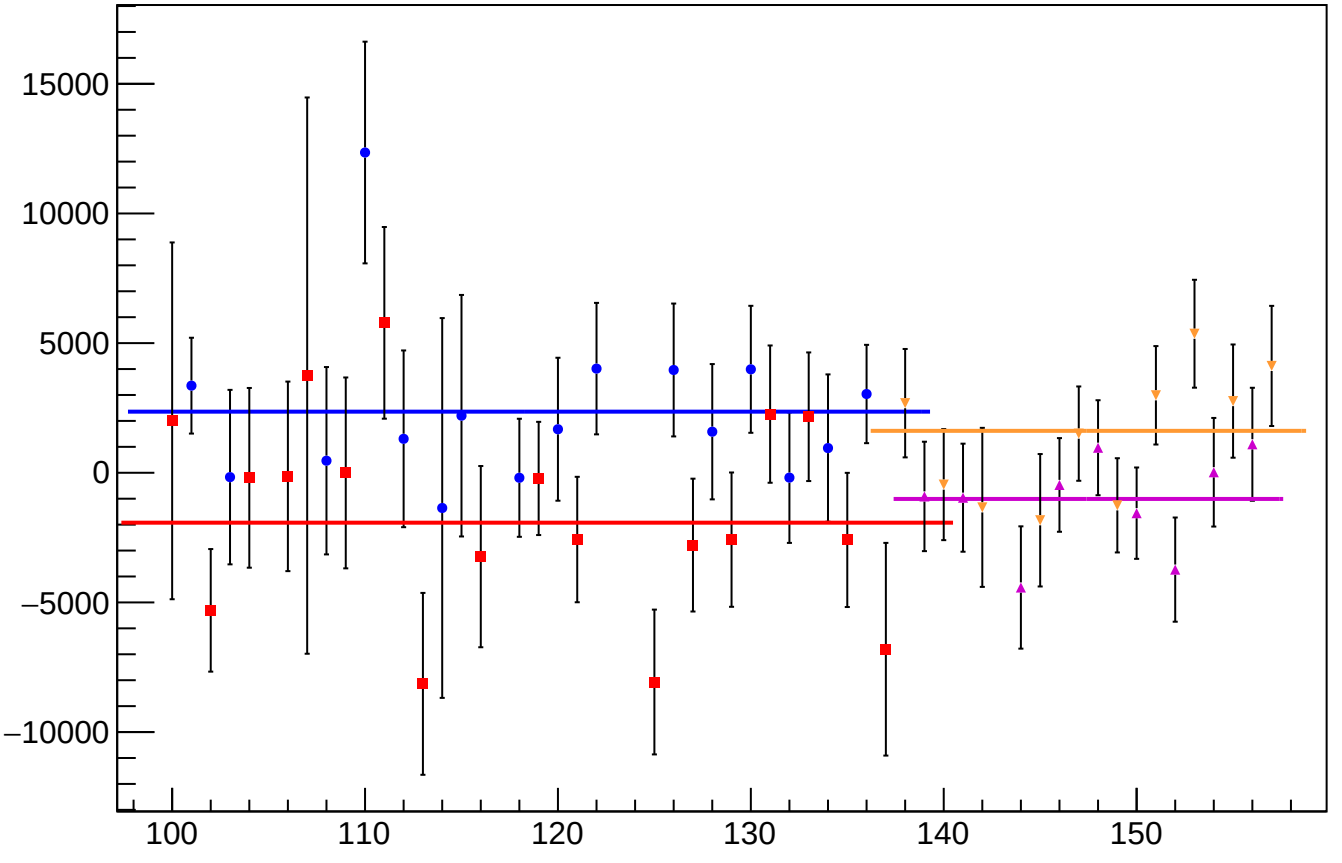
Left In: 1027.074+/-0.268 χ^2/NDF:846921.0/8

+ sign 813.748+/-0.161 χ^2/NDF: 4358377.8/25

All: 867.418+/-0.120 χ^2/NDF: 7554277.5/52

- sign 933.800+/-0.179 χ^2/NDF: 2948398.6/26

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1616.777+/-671.700 χ^2/NDF:11.7/9

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

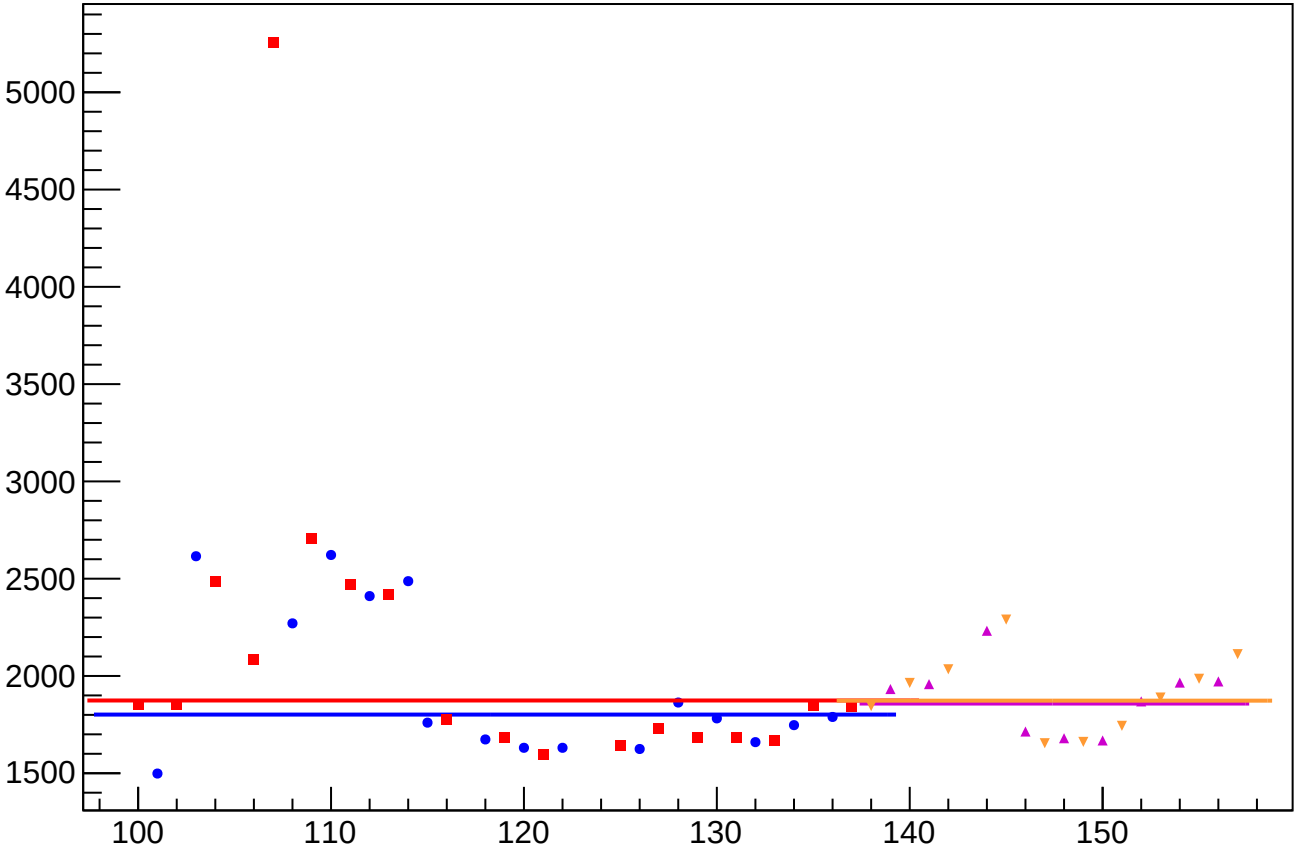
Left In: -1009.308+/-666.968 χ^2/NDF:6.5/8

+ sign 1982.918+/-477.504 χ^2/NDF: 23.3/25

All: 298.172+/-340.297 χ^2/NDF: 79.4/52

- sign -1440.538+/-485.091 χ^2/NDF: 30.8/26

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1873.080+/-0.475 χ^2/NDF:154951.4/9

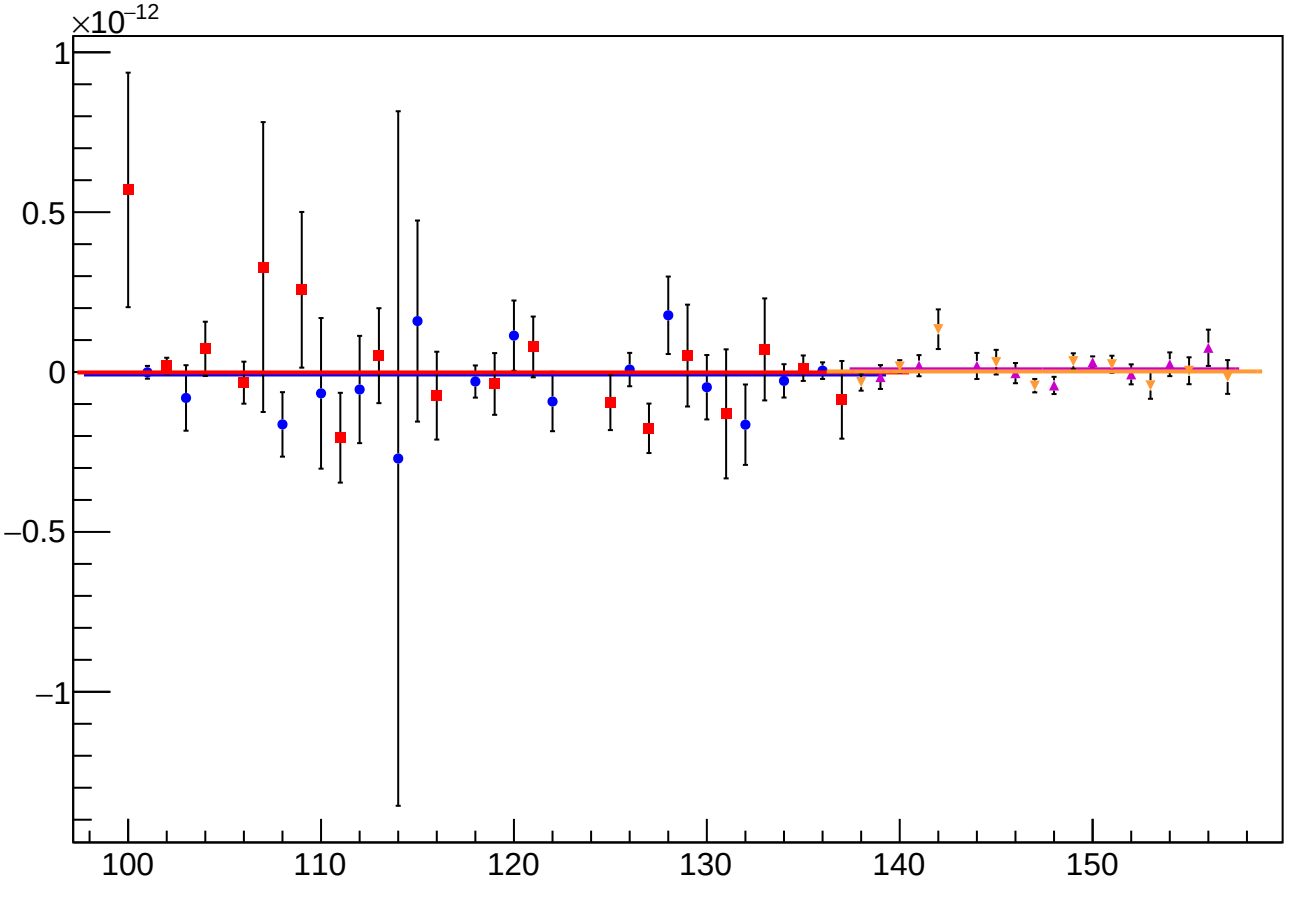
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1858.246+/-0.472 χ^2/NDF:123006.3/8

+ sign 1837.688+/-0.338 χ^2/NDF: 566879.3/25

All: 1851.451+/-0.241 χ^2/NDF: 1263695.0/52

- sign 1865.655+/-0.343 χ^2/NDF: 693439.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/9

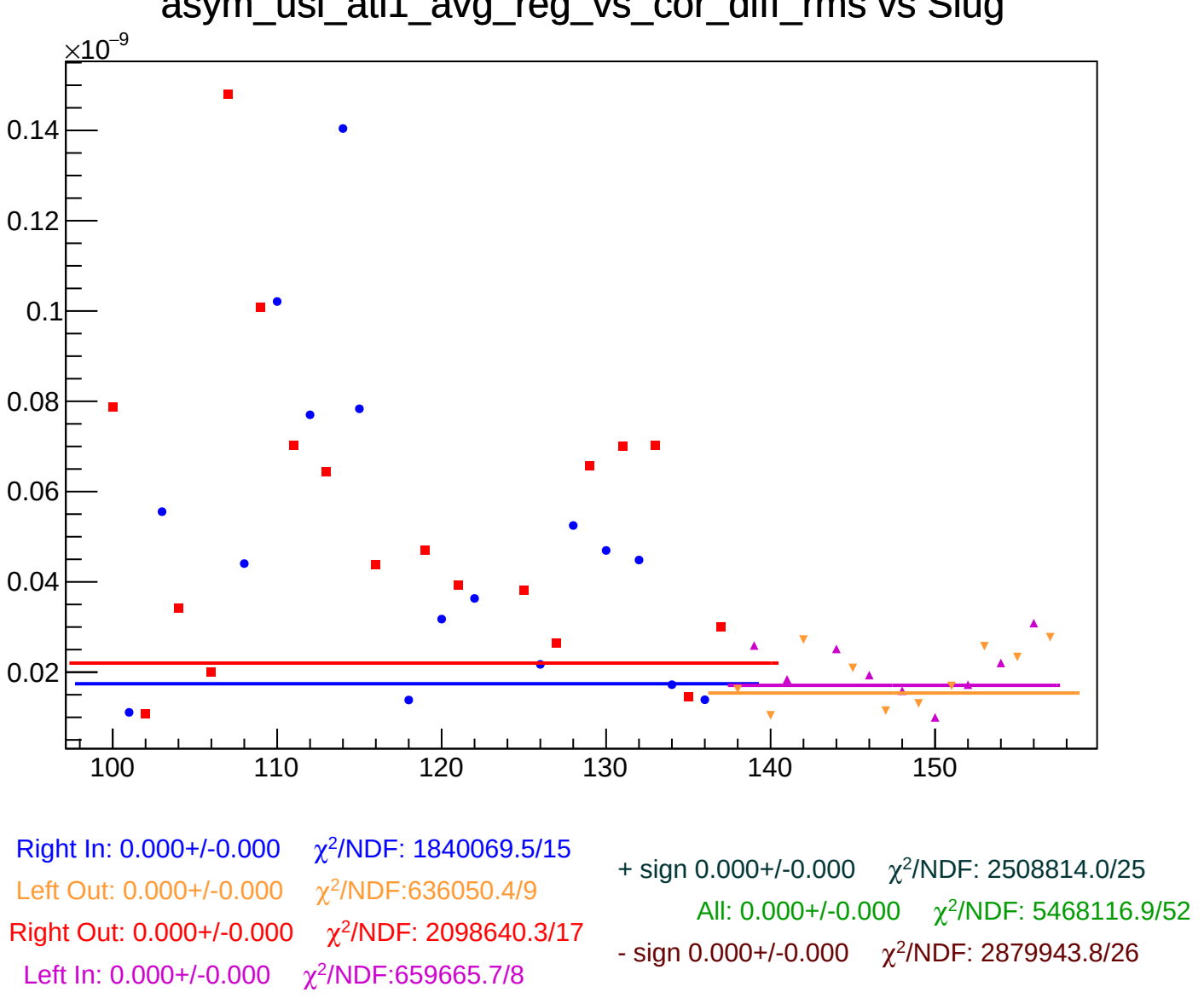
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.5/8

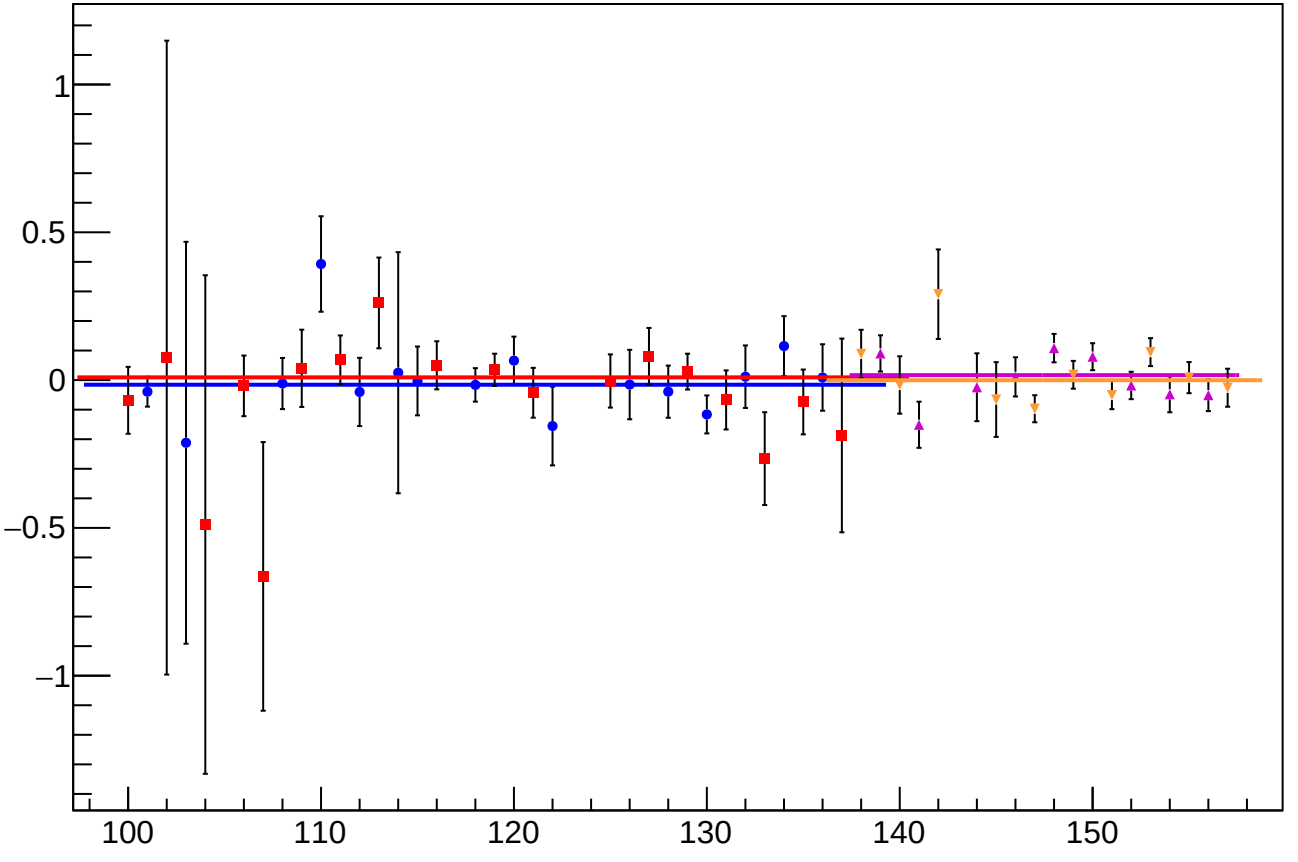
\+ sign -0.000+/-0.000 χ^2/NDF: 25.9/25

All: 0.000+/-0.000 χ^2/NDF: 50.7/52

\- sign 0.000+/-0.000 χ^2/NDF: 24.4/26


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:636050.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:659665.7/8
+ sign 0.000+/-0.000 χ²/NDF: 2508814.0/25
All: 0.000+/-0.000 χ²/NDF: 5468116.9/52
- sign 0.000+/-0.000 χ²/NDF: 2879943.8/26

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

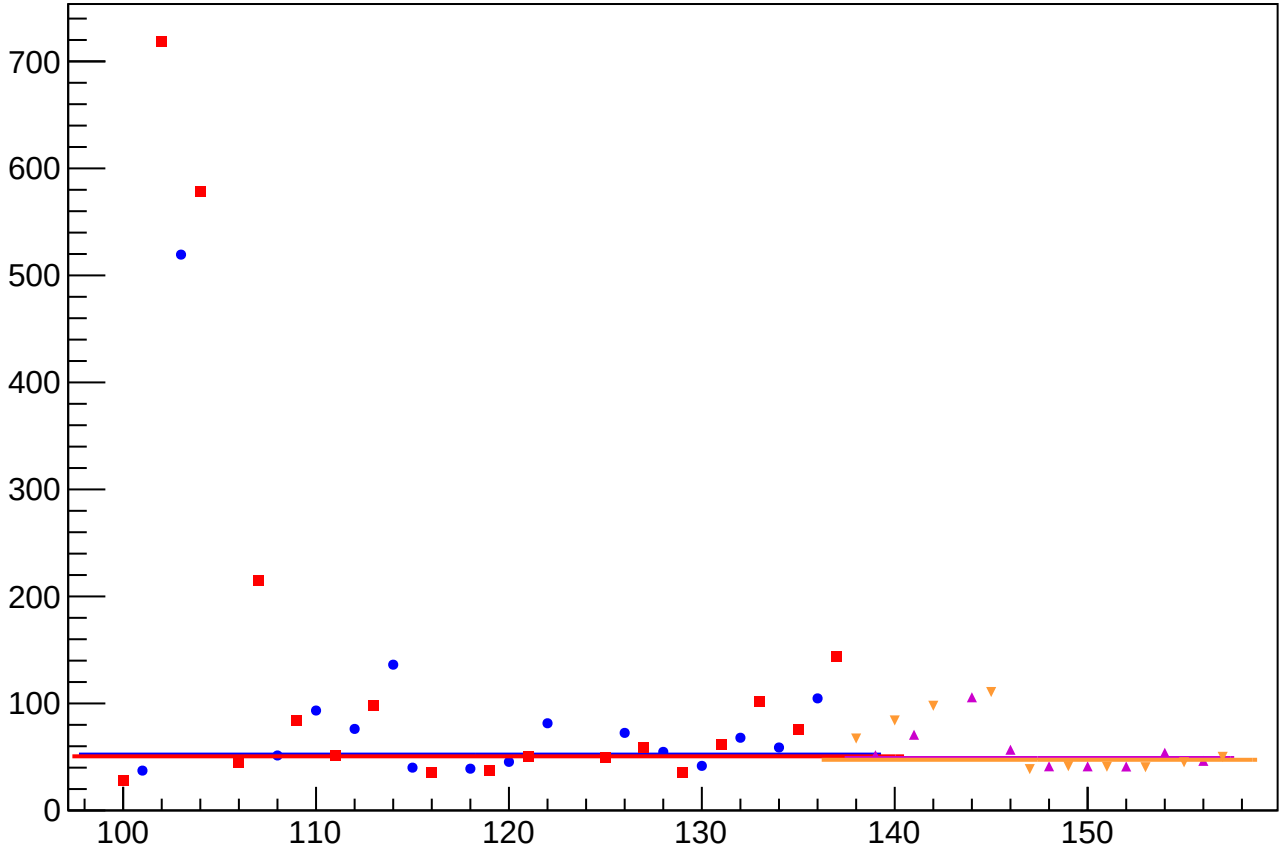
Left In: 0.017+/-0.019 χ^2/NDF:15.0/8

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.003+/-0.010 χ^2/NDF: 57.0/52

- sign 0.014+/-0.015 χ^2/NDF: 27.5/26

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

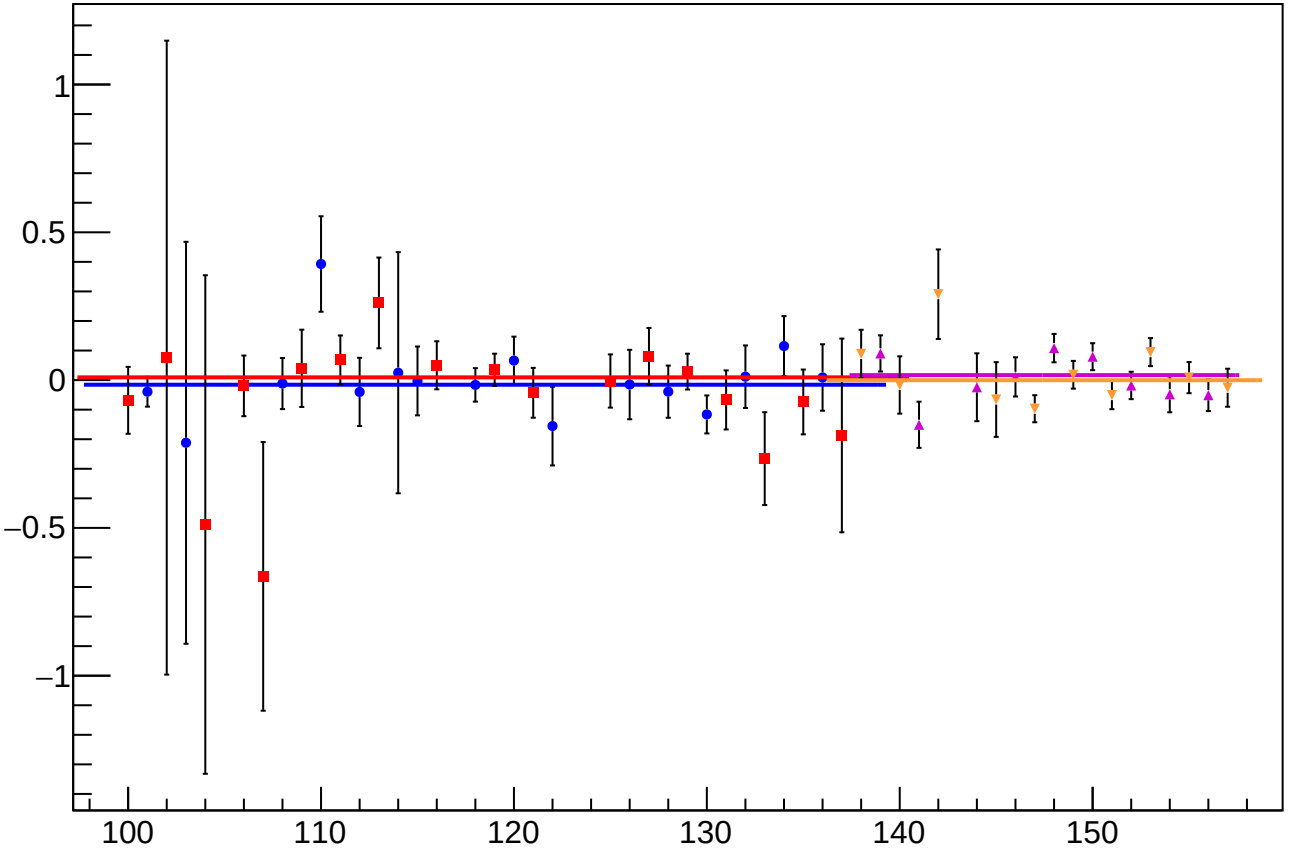
Left In: 49.016+/-0.014 χ^2/NDF:860511.6/8

+ sign 49.346+/-0.010 χ^2/NDF: 3644206.9/25

All: 49.489+/-0.007 χ^2/NDF: 7561801.2/52

- sign 49.638+/-0.011 χ^2/NDF: 3917200.0/26

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

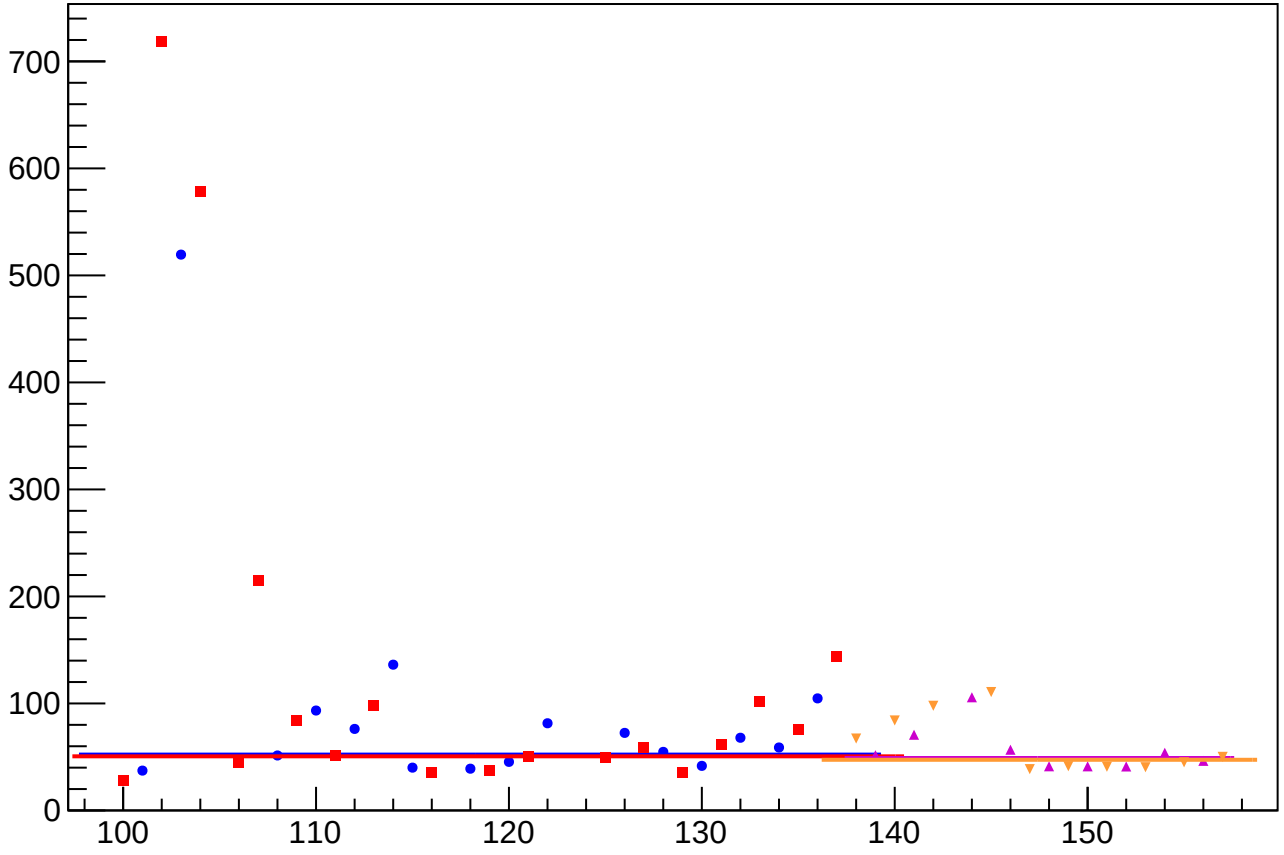
Left In: 0.017+/-0.019 χ^2/NDF:15.0/8

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.003+/-0.010 χ^2/NDF: 57.0/52

- sign 0.014+/-0.015 χ^2/NDF: 27.5/26

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323564.3/9

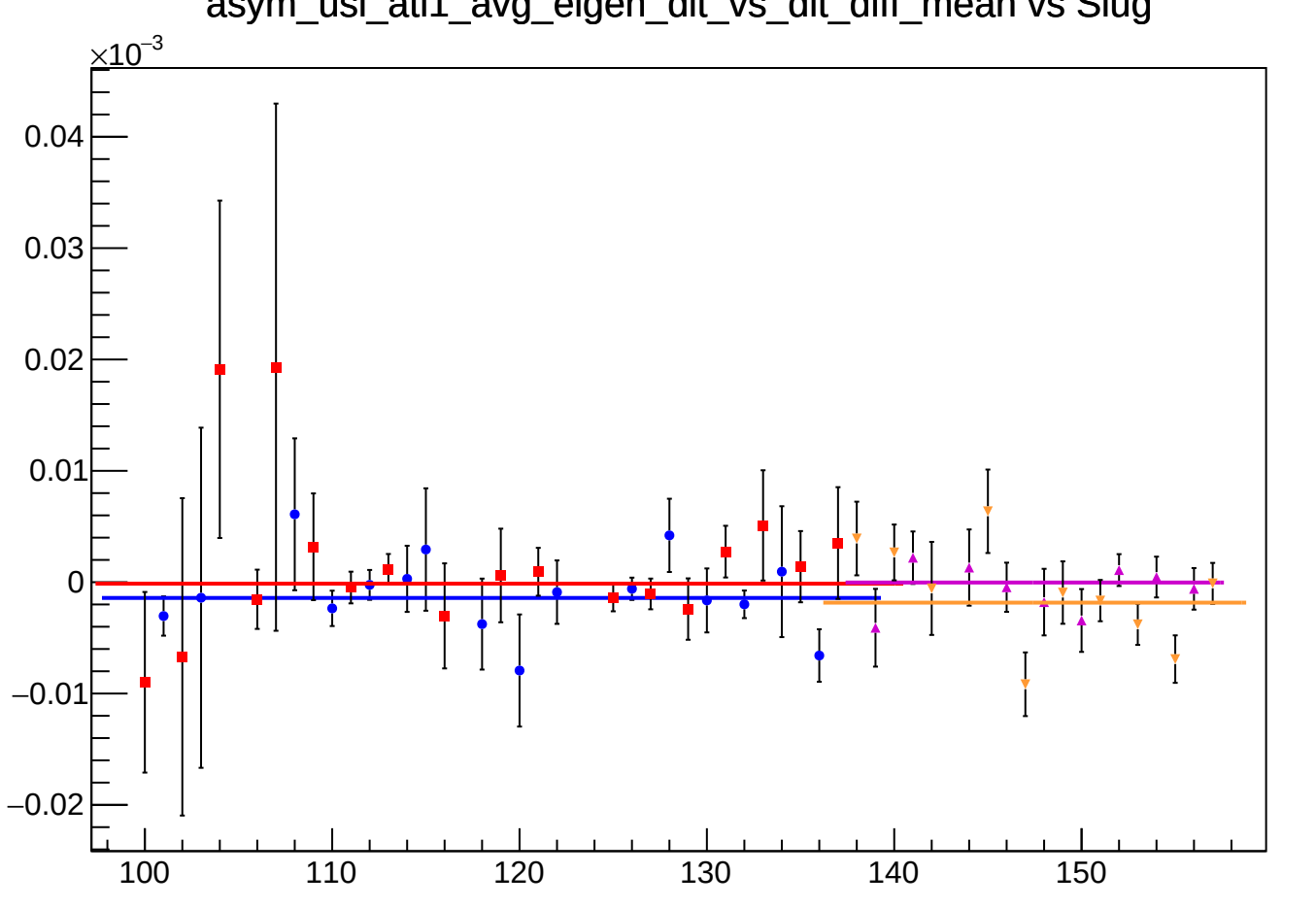
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.016+/-0.014 χ^2/NDF:860511.6/8

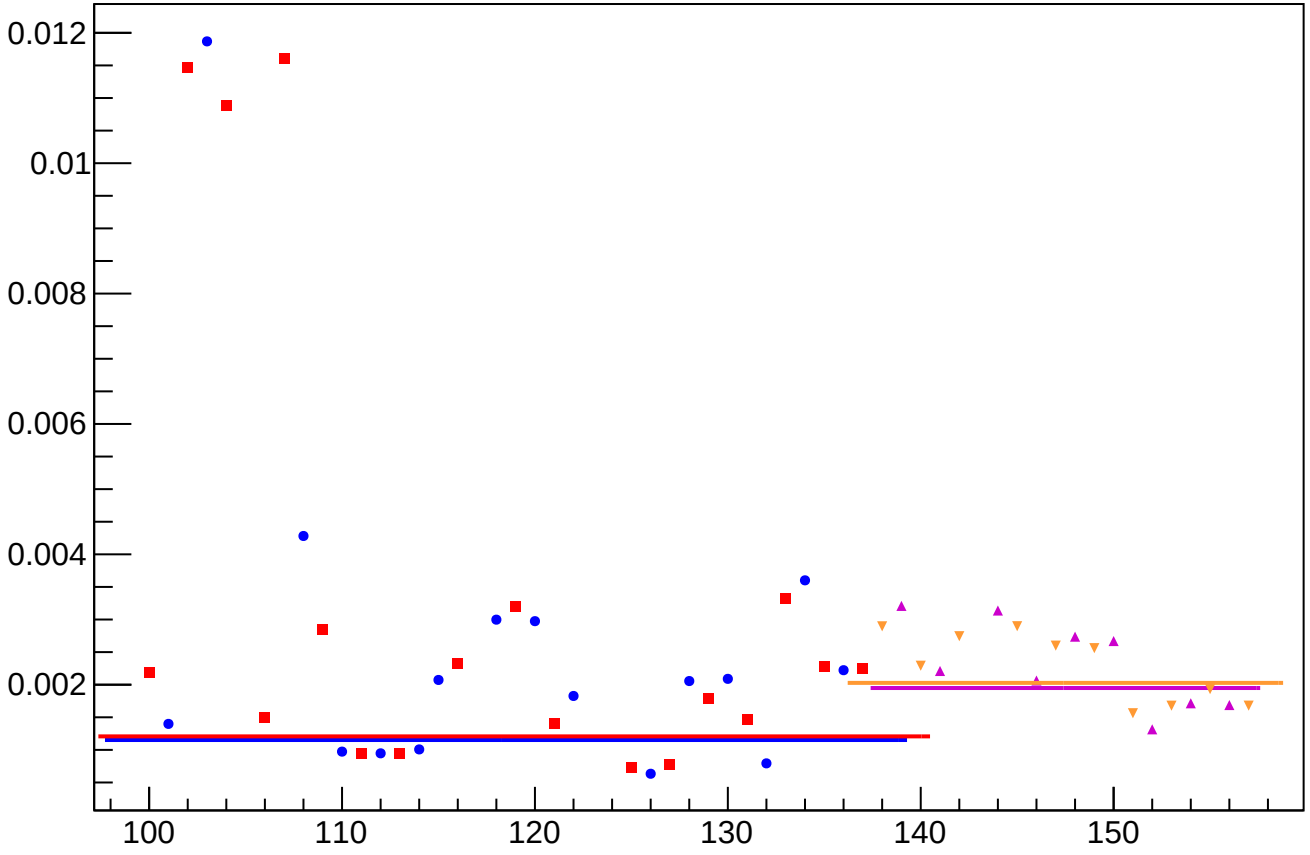
+ sign 49.346+/-0.010 χ^2/NDF: 3644206.9/25

All: 49.489+/-0.007 χ^2/NDF: 7561801.2/52

- sign 49.638+/-0.011 χ^2/NDF: 3917200.0/26


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:25.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:5.0/8
+ sign -0.000+/-0.000 χ²/NDF: 40.7/25
All: -0.000+/-0.000 χ²/NDF: 62.9/52
- sign -0.000+/-0.000 χ²/NDF: 16.6/26

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:751806.8/9

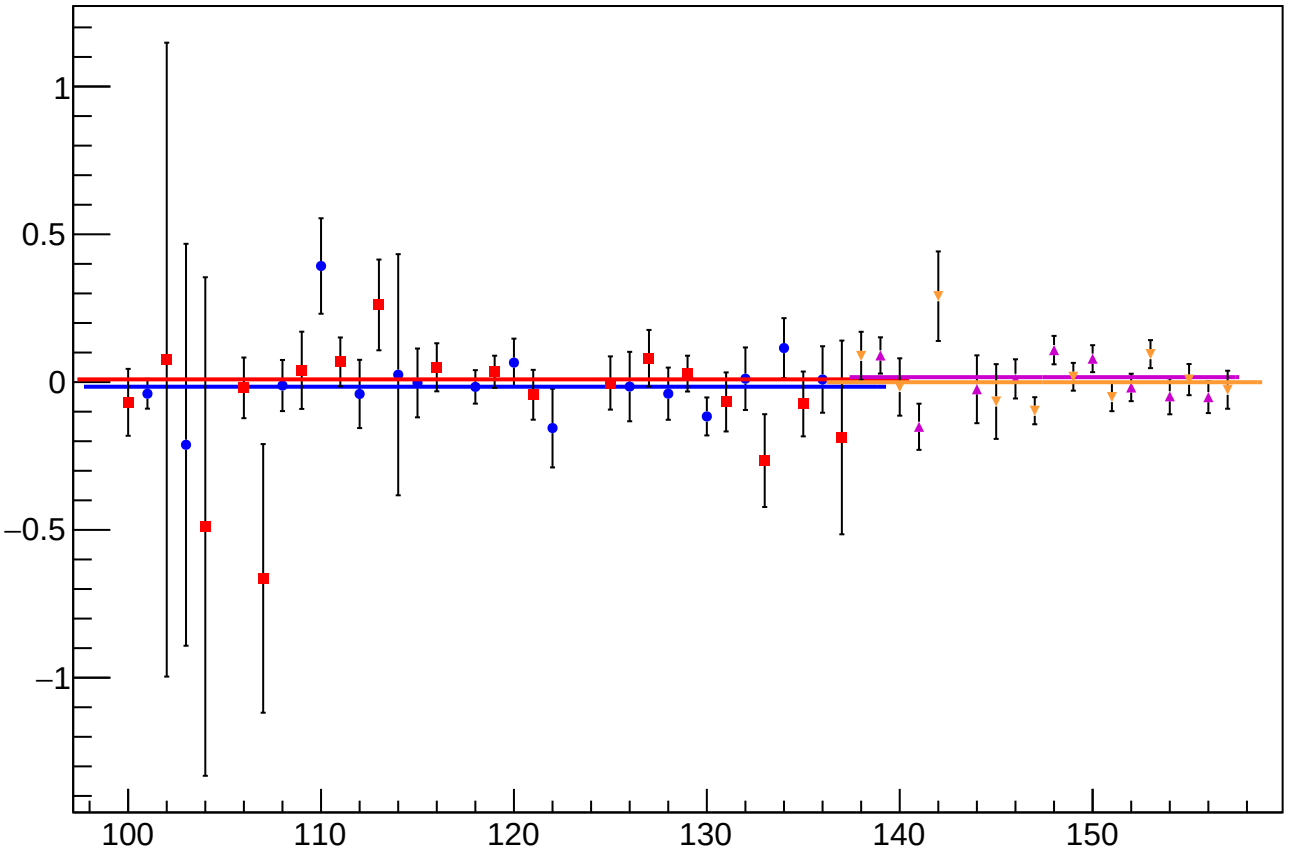
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1265015.9/8

+ sign 0.001+/-0.000 χ^2/NDF: 6755734.0/25

All: 0.001+/-0.000 χ^2/NDF: 13856061.4/52

- sign 0.001+/-0.000 χ^2/NDF: 7086819.0/26



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

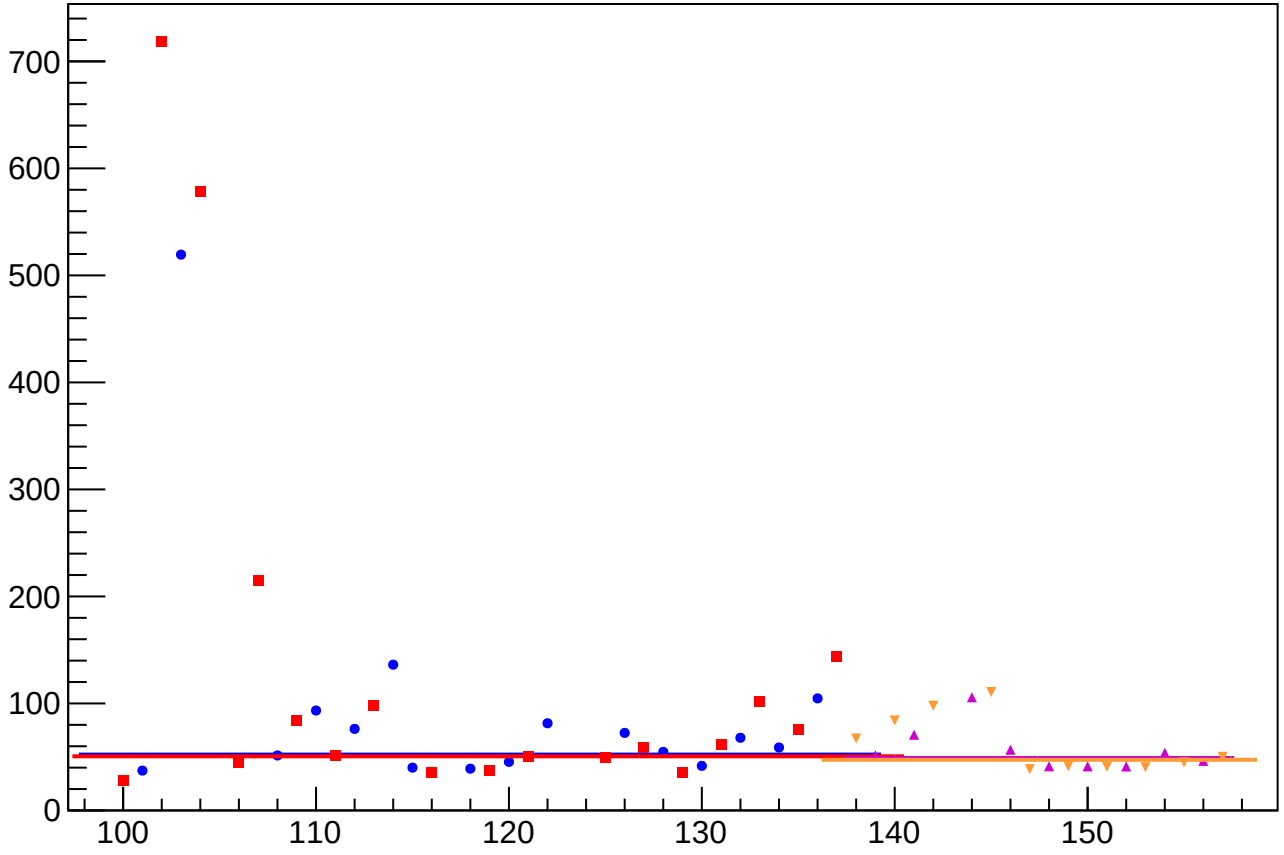
Left In: 0.017+/-0.019 χ^2/NDF:15.0/8

+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.003+/-0.010 χ^2/NDF: 57.0/52

- sign 0.014+/-0.015 χ^2/NDF: 27.5/26

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323541.5/9

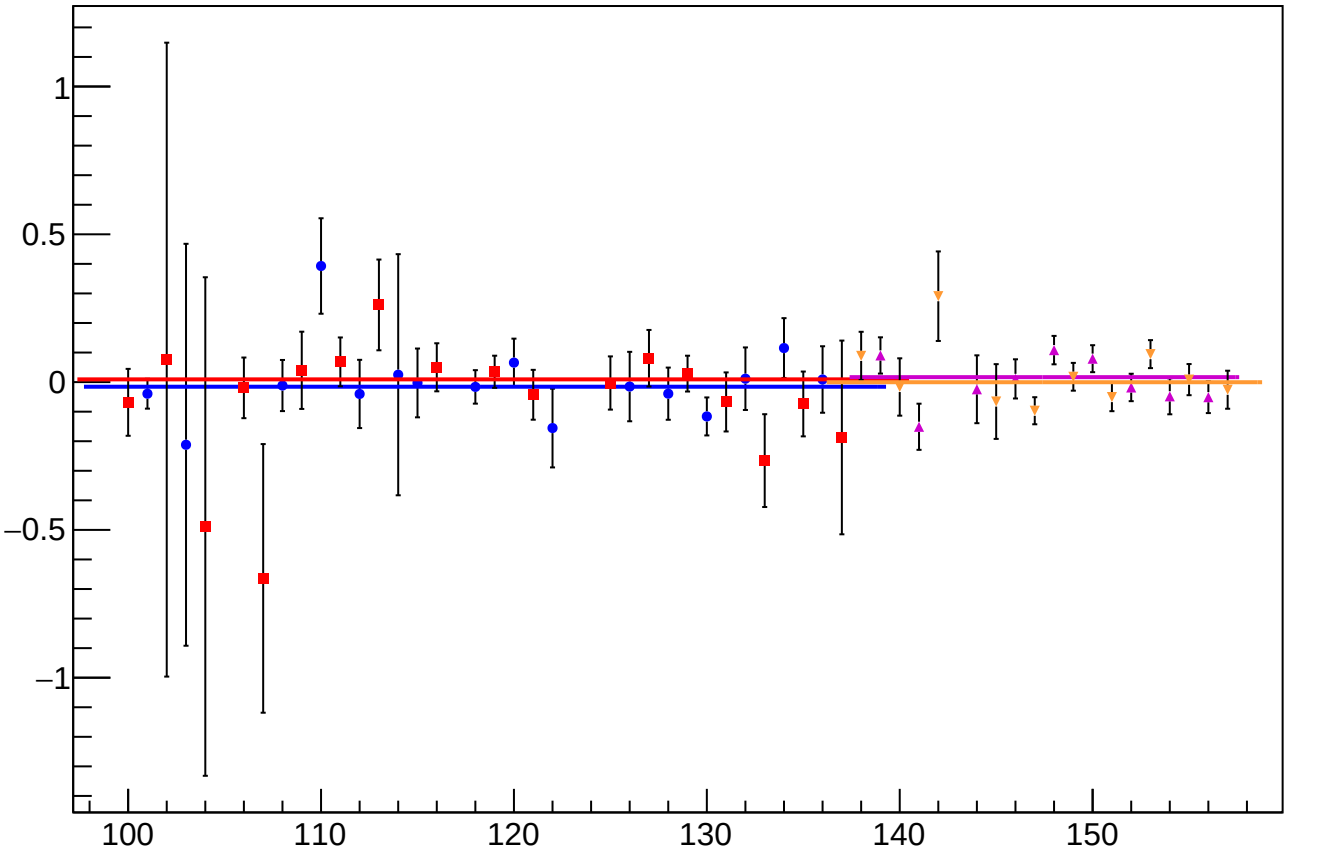
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.016+/-0.014 χ^2/NDF:860496.3/8

+ sign 49.346+/-0.010 χ^2/NDF: 3644174.7/25

All: 49.489+/-0.007 χ^2/NDF: 7561735.9/52

- sign 49.638+/-0.011 χ^2/NDF: 3917166.8/26



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.000+/-0.019 χ^2/NDF:15.1/9

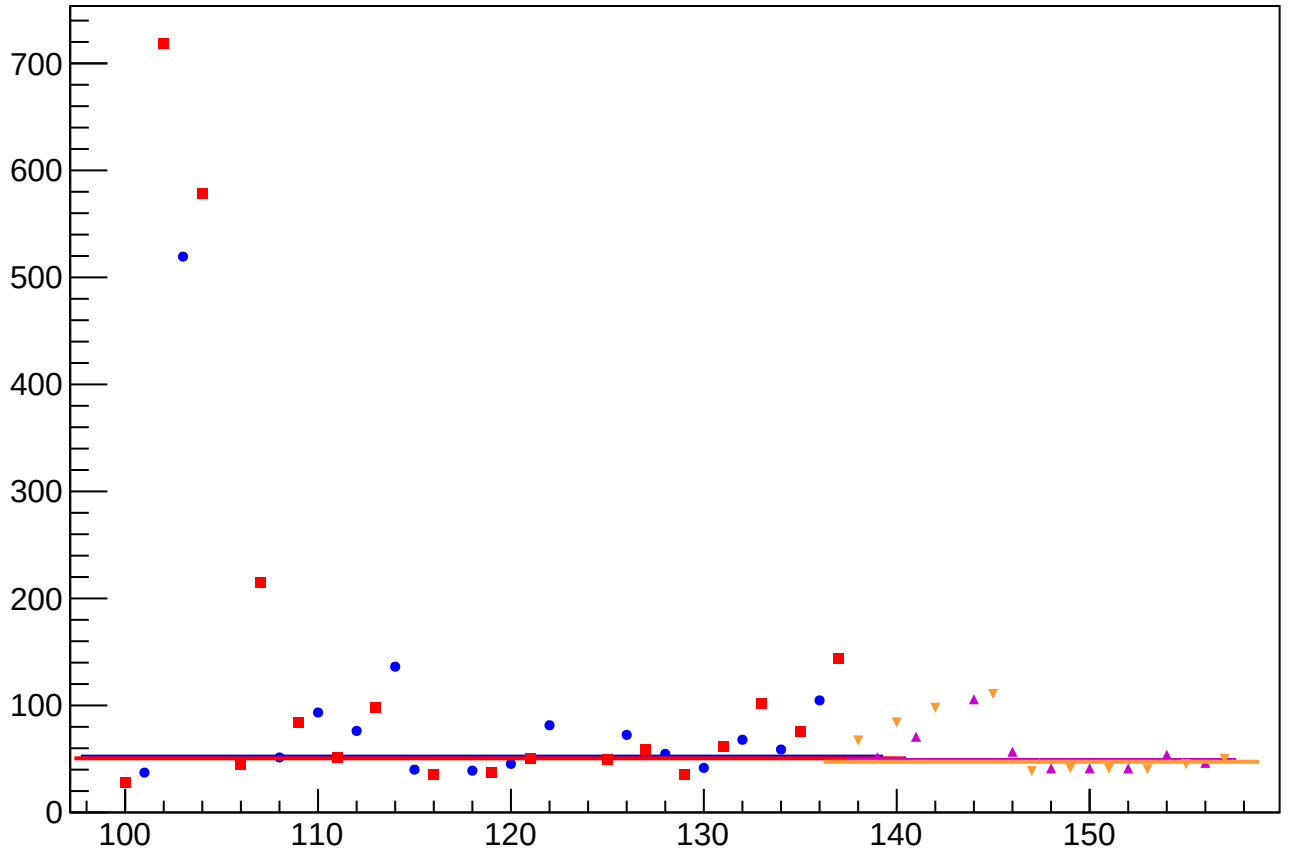
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.017+/-0.019 χ^2/NDF:15.0/8

\+ sign -0.007+/-0.015 χ^2/NDF: 28.5/25

All: 0.003+/-0.010 χ^2/NDF: 57.0/52

\- sign 0.014+/-0.015 χ^2/NDF: 27.5/26



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.350+/-0.013 χ^2/NDF:1323541.5/9

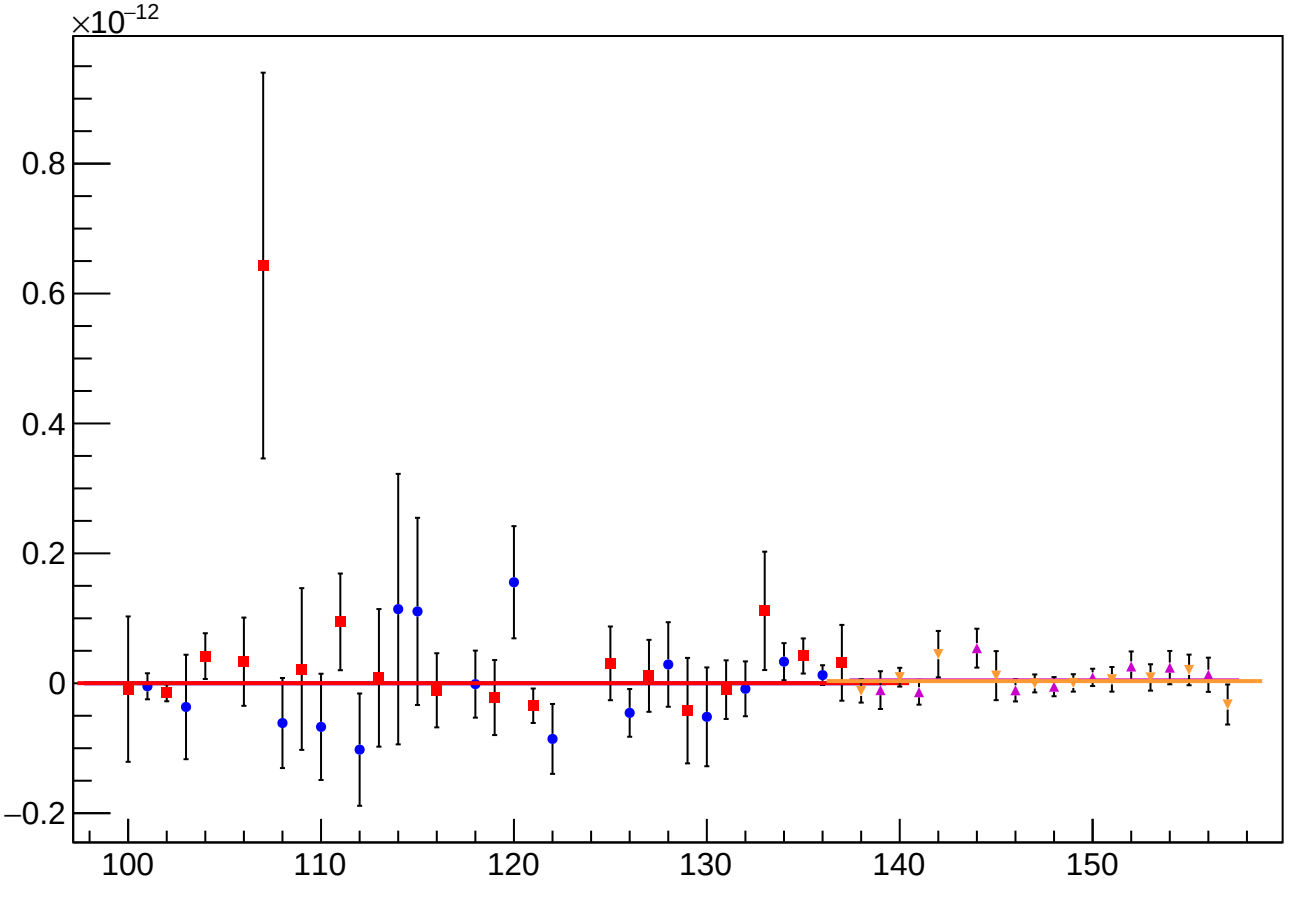
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.016+/-0.014 χ^2/NDF:860496.3/8

+ sign 49.346+/-0.010 χ^2/NDF: 3644174.7/25

All: 49.489+/-0.007 χ^2/NDF: 7561735.9/52

- sign 49.638+/-0.011 χ^2/NDF: 3917166.8/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/9

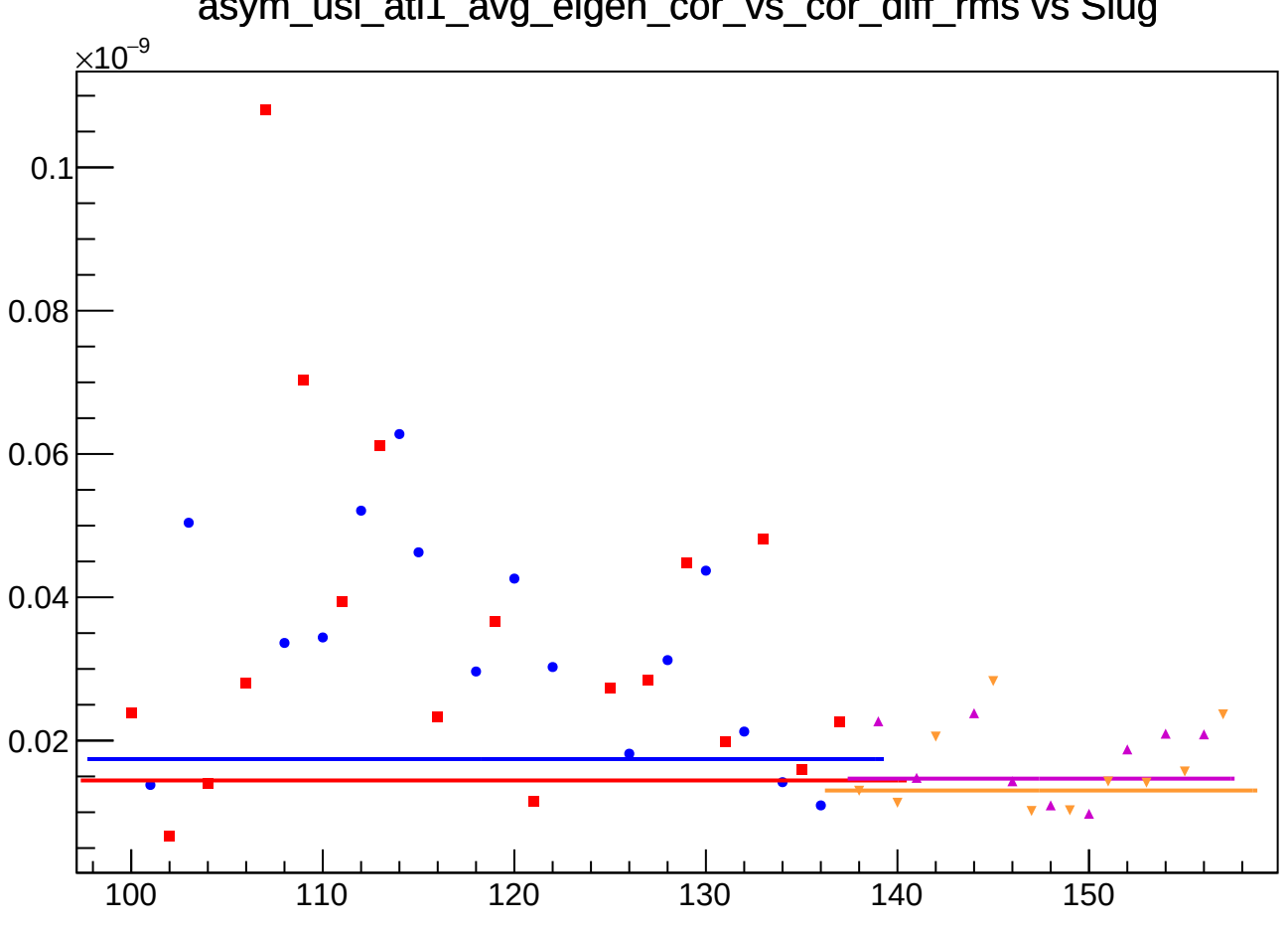
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 18.5/25

All: 0.000+/-0.000 χ^2/NDF: 41.5/52

- sign 0.000+/-0.000 χ^2/NDF: 23.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:892970.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

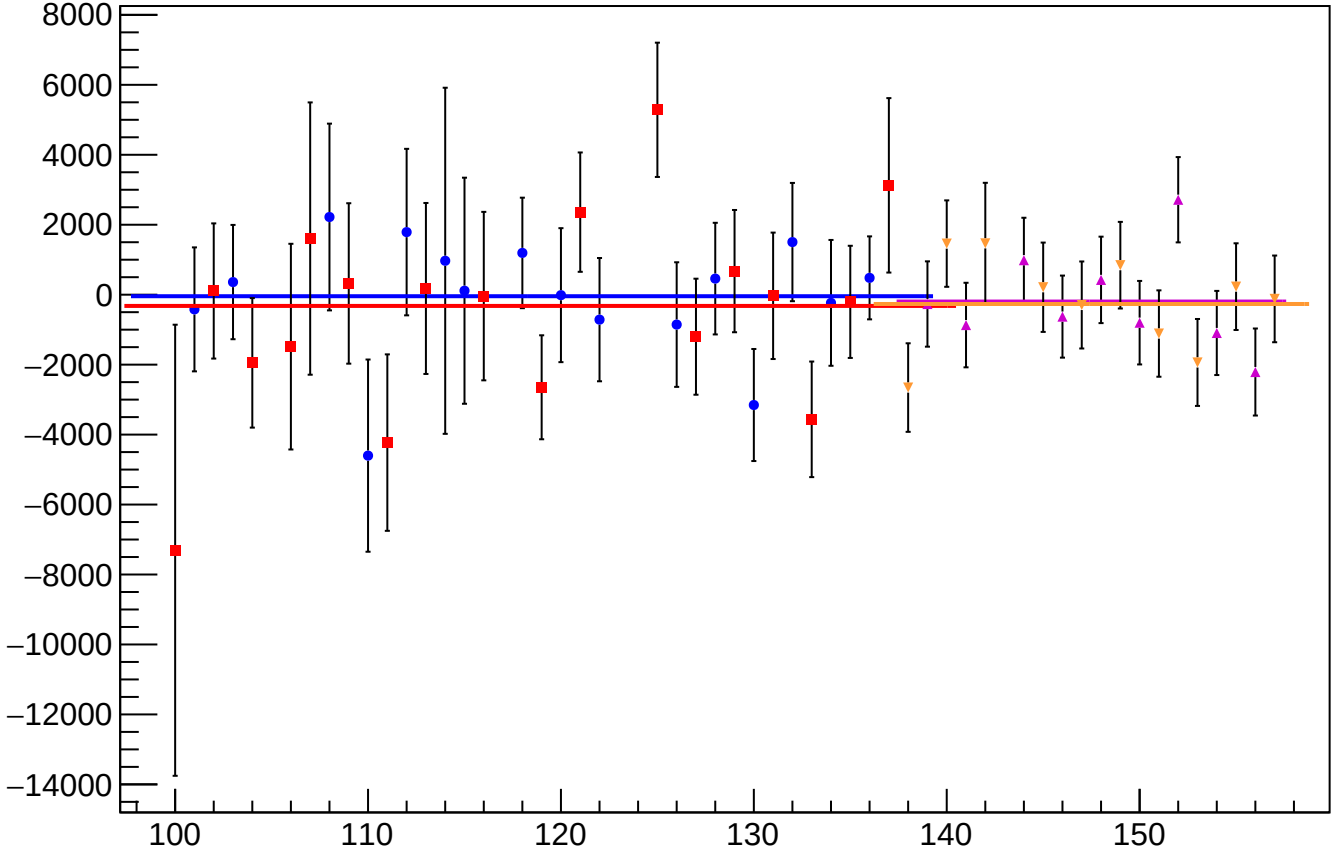
Left In: 0.000+/-0.000 χ^2/NDF:1029469.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 3429006.4/25

All: 0.000+/-0.000 χ^2/NDF: 7724268.0/52

- sign 0.000+/-0.000 χ^2/NDF: 4291615.5/26

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -266.044+/-403.889 χ^2/NDF:9.9/9

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

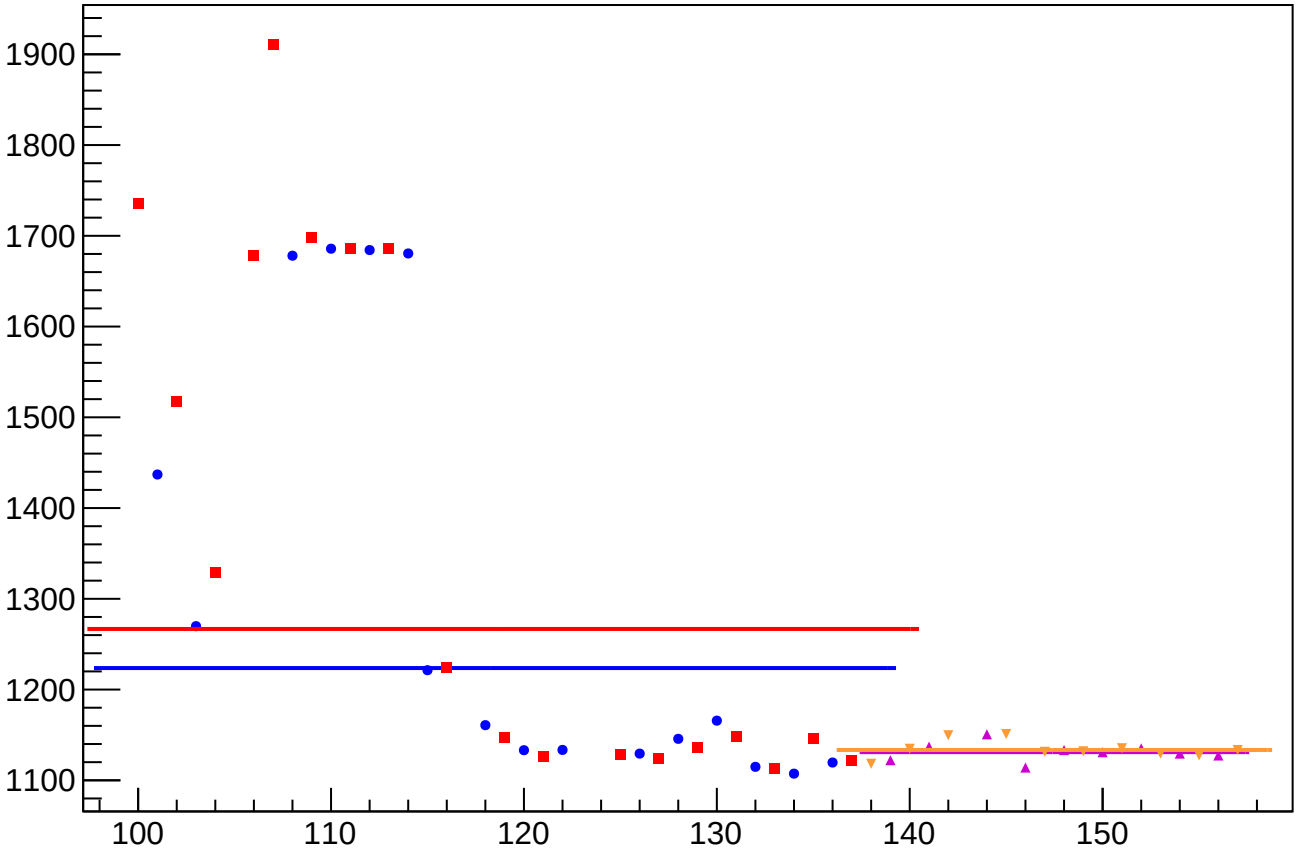
Left In: -196.062+/-403.891 χ^2/NDF:10.8/8

+ sign -169.060+/-303.279 χ^2/NDF: 20.1/25

All: -208.261+/-215.989 χ^2/NDF: 55.8/52

- sign -248.608+/-307.679 χ^2/NDF: 35.6/26

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

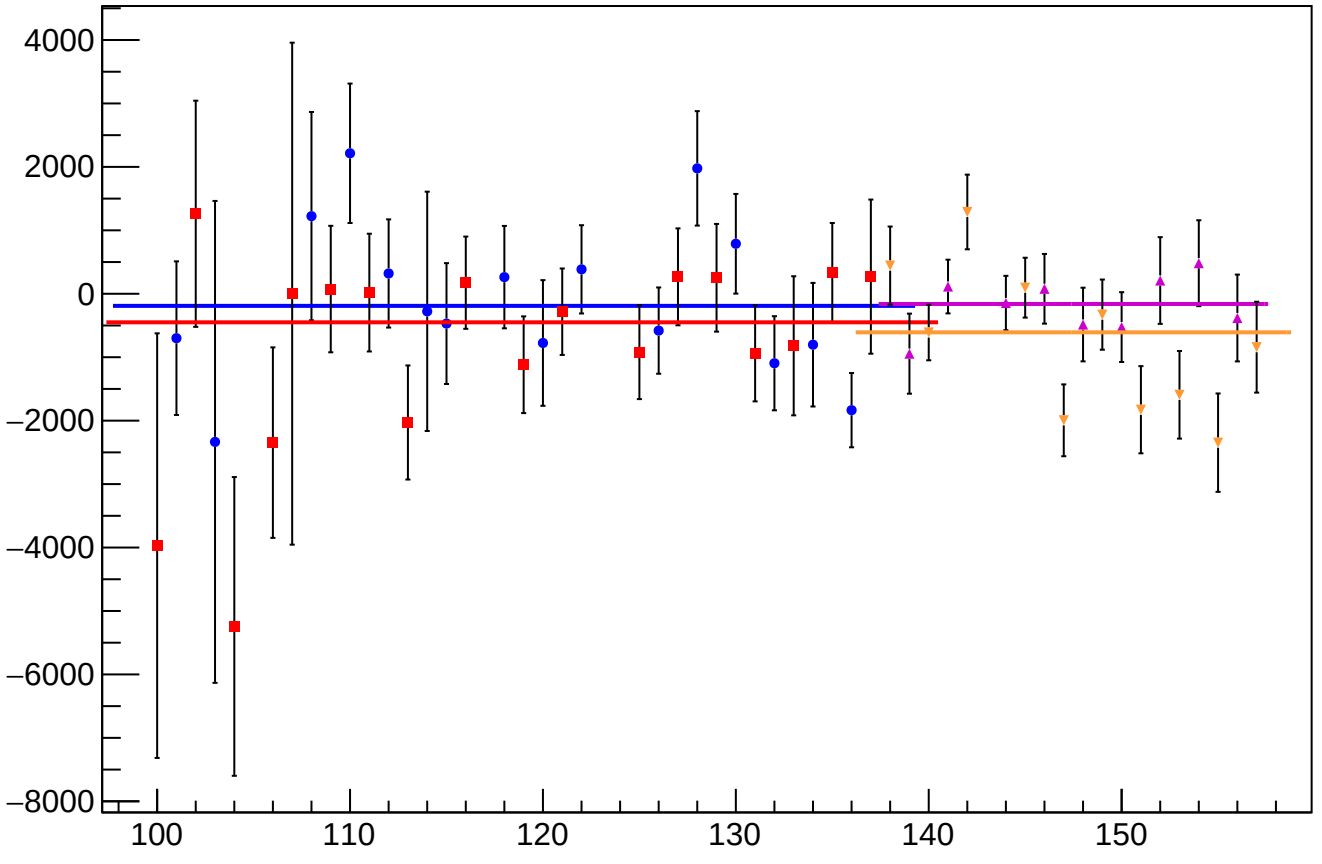
Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.043+/-0.286 χ^2/NDF:1149.5/8

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.3/25

All: 1180.302+/-0.153 χ^2/NDF: 870722.0/52

- sign 1188.009+/-0.218 χ^2/NDF: 528796.5/26



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -607.767+/-184.311 χ^2/NDF:32.1/9

Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

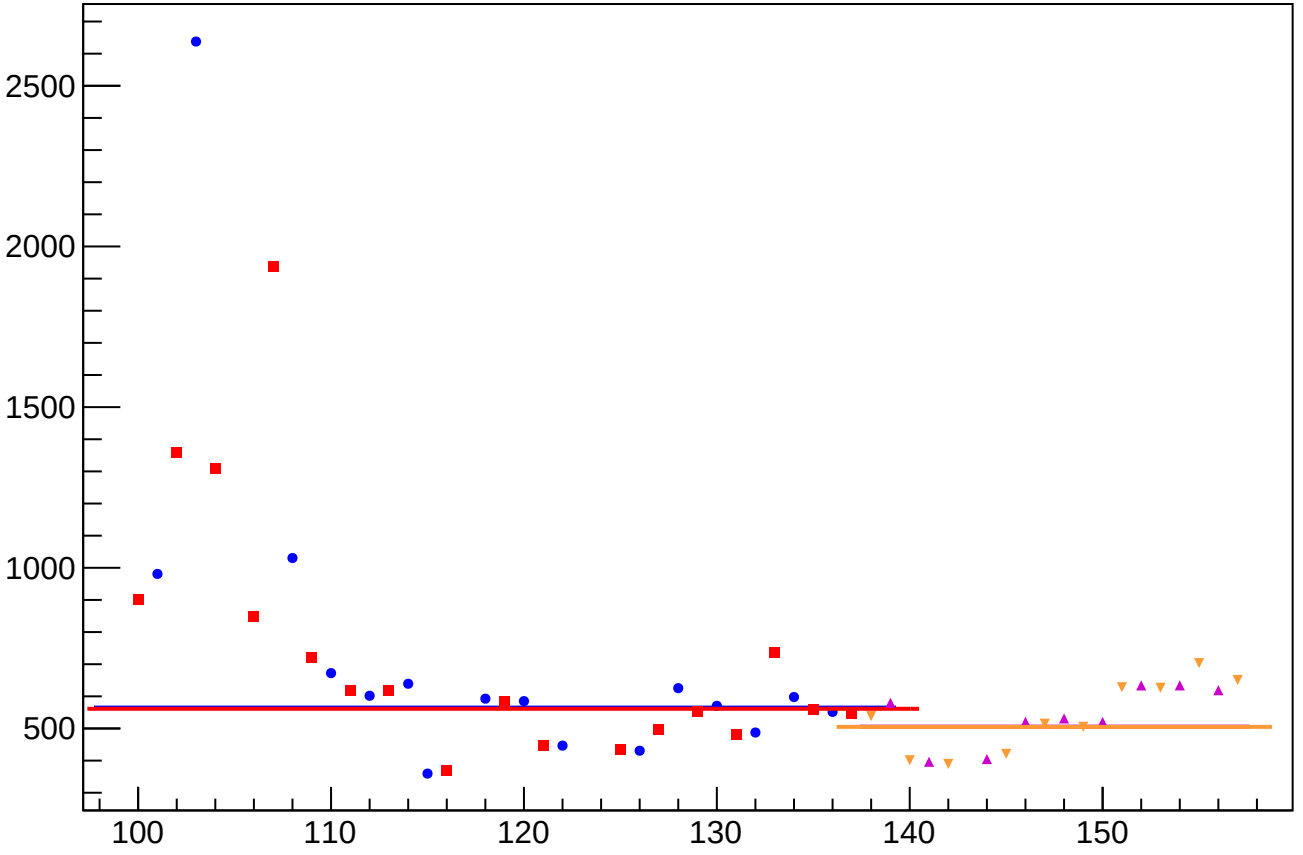
Left In: -160.879+/-183.837 χ^2/NDF:4.2/8

+ sign -438.350+/-142.034 χ^2/NDF: 59.5/25

All: -357.938+/-100.386 χ^2/NDF: 82.1/52

- sign -277.675+/-141.902 χ^2/NDF: 22.0/26

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 504.965+/-0.130 χ^2/NDF:599089.3/9

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

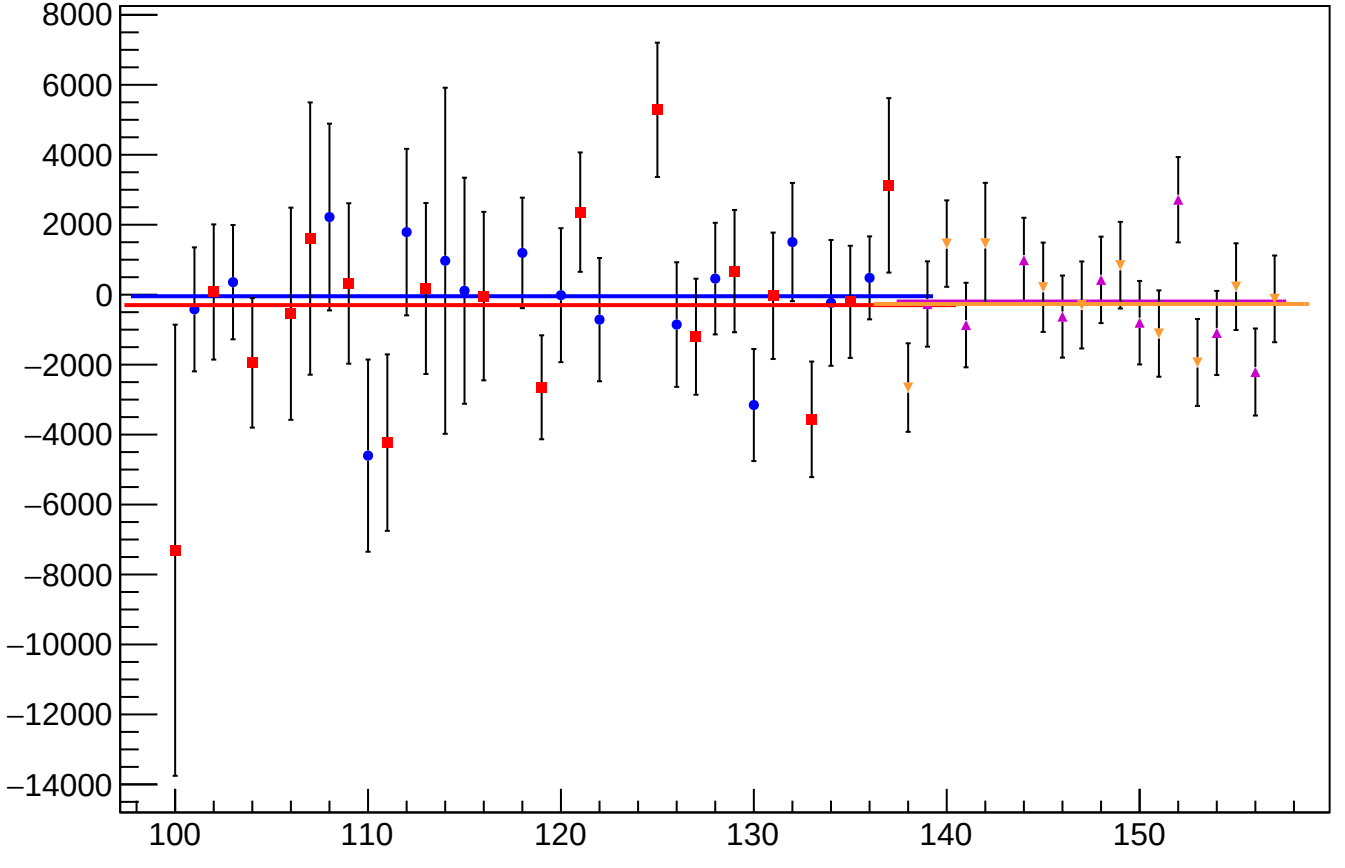
Left In: 505.690+/-0.130 χ^2/NDF:476280.0/8

+ sign 529.331+/-0.100 χ^2/NDF: 1969631.8/25

All: 528.737+/-0.071 χ^2/NDF: 3872040.2/52

- sign 528.144+/-0.100 χ^2/NDF: 1902338.4/26

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

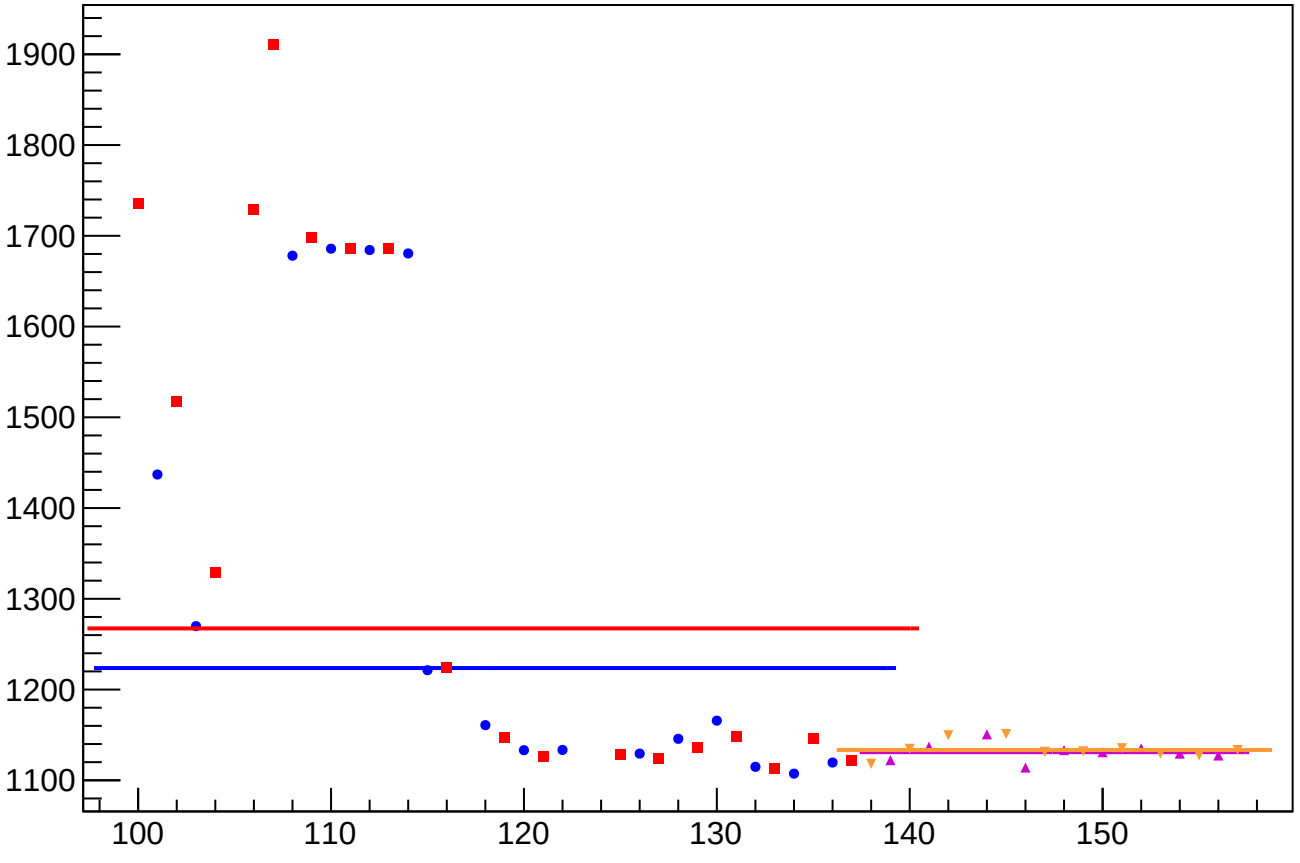
Left In: -195.999+/-403.891 χ^2/NDF:10.8/8

+ sign -169.108+/-303.279 χ^2/NDF: 20.1/25

All: -203.467+/-216.025 χ^2/NDF: 55.6/52

- sign -238.855+/-307.781 χ^2/NDF: 35.4/26

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

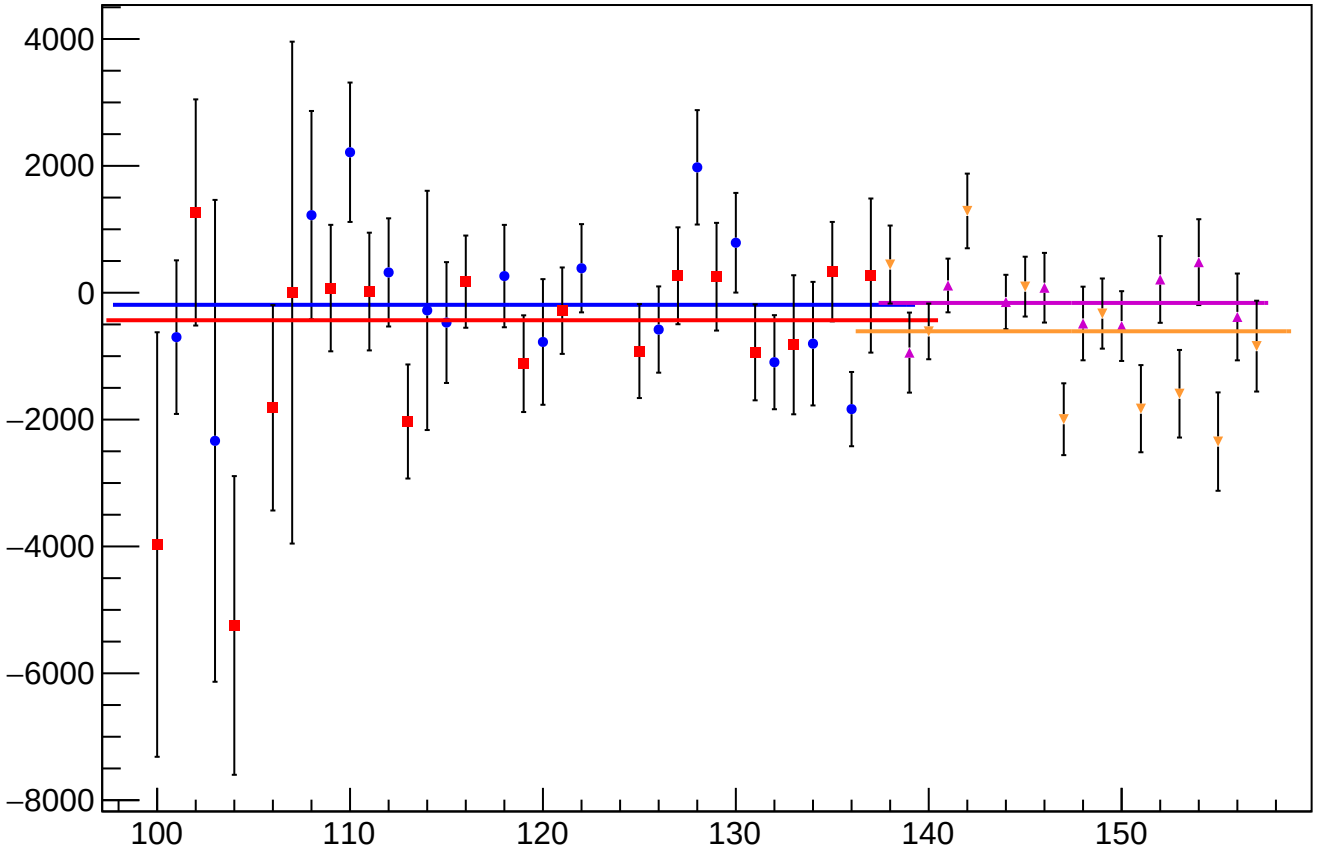
Left In: 1131.043+/-0.286 χ^2/NDF:1149.5/8

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.4/25

All: 1180.394+/-0.153 χ^2/NDF: 878650.2/52

- sign 1188.201+/-0.218 χ^2/NDF: 536662.5/26

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

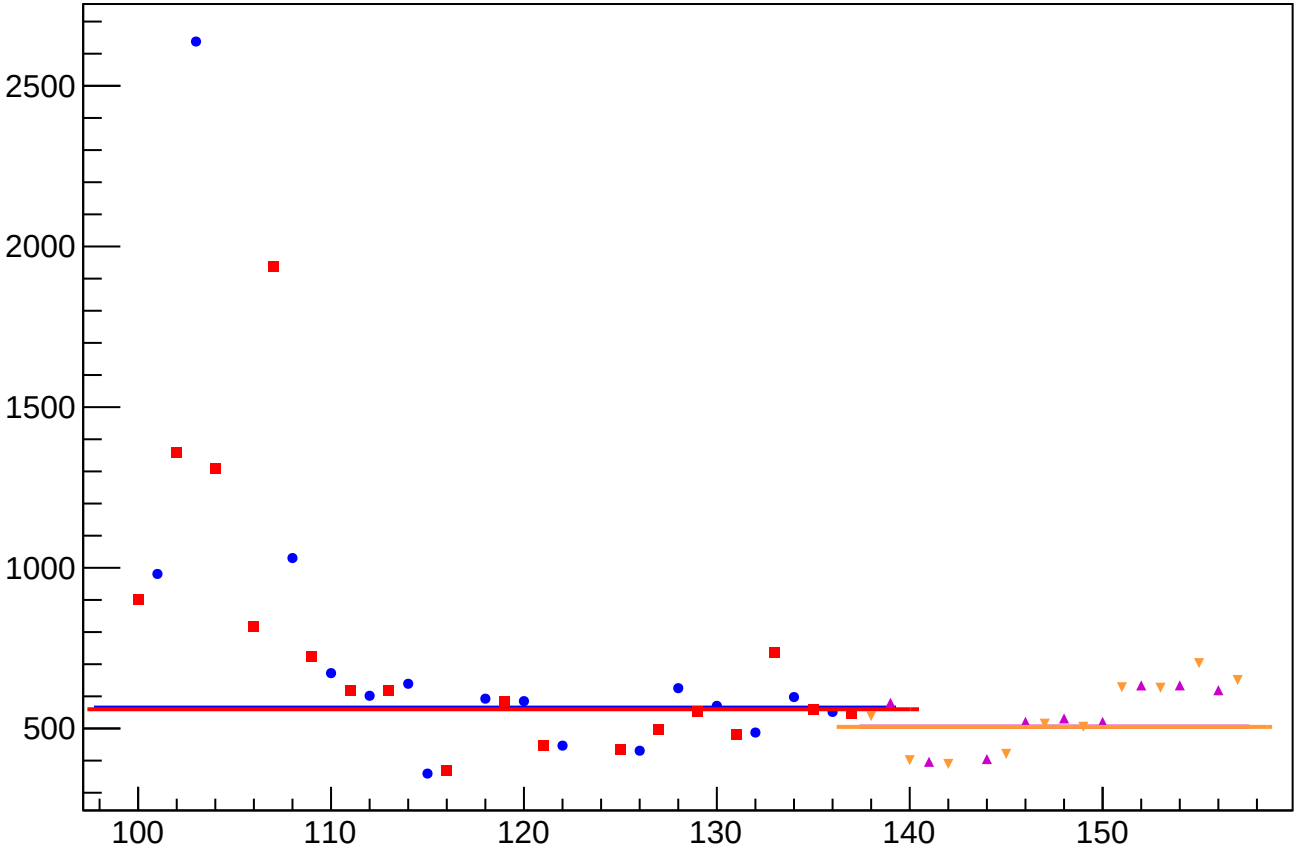
Left In: -160.873+/-183.837 χ^2/NDF:4.2/8

\+ sign -438.346+/-142.033 χ^2/NDF: 59.5/25

All: -354.655+/-100.417 χ^2/NDF: 81.2/52

\- sign -271.014+/-141.990 χ^2/NDF: 21.0/26

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

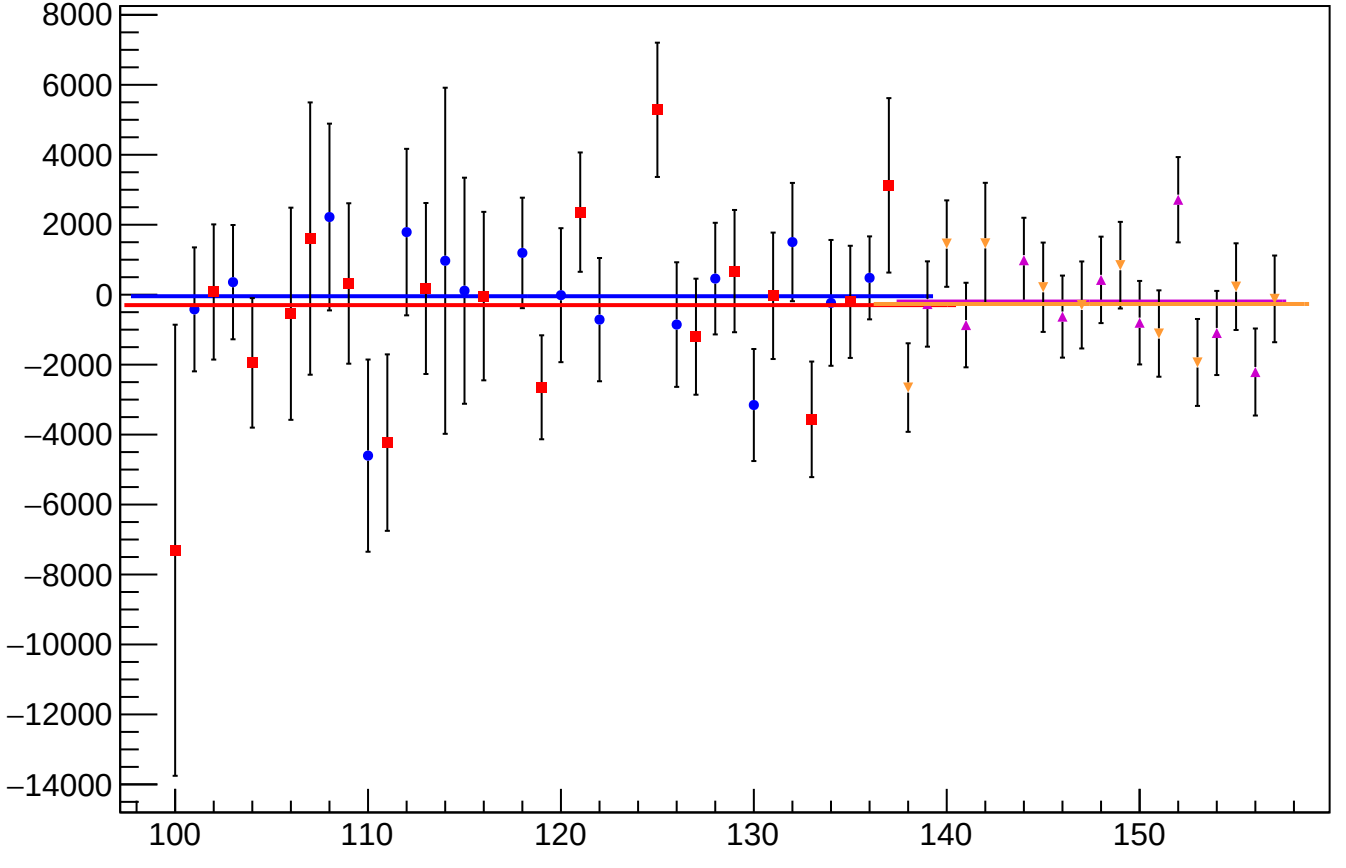
Left In: 505.690+/-0.130 χ^2/NDF:476241.8/8

+ sign 529.328+/-0.100 χ^2/NDF: 1969579.4/25

All: 528.415+/-0.071 χ^2/NDF: 3845138.0/52

- sign 527.503+/-0.100 χ^2/NDF: 1875393.4/26

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -265.943+/-403.889 χ^2/NDF:9.9/9

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

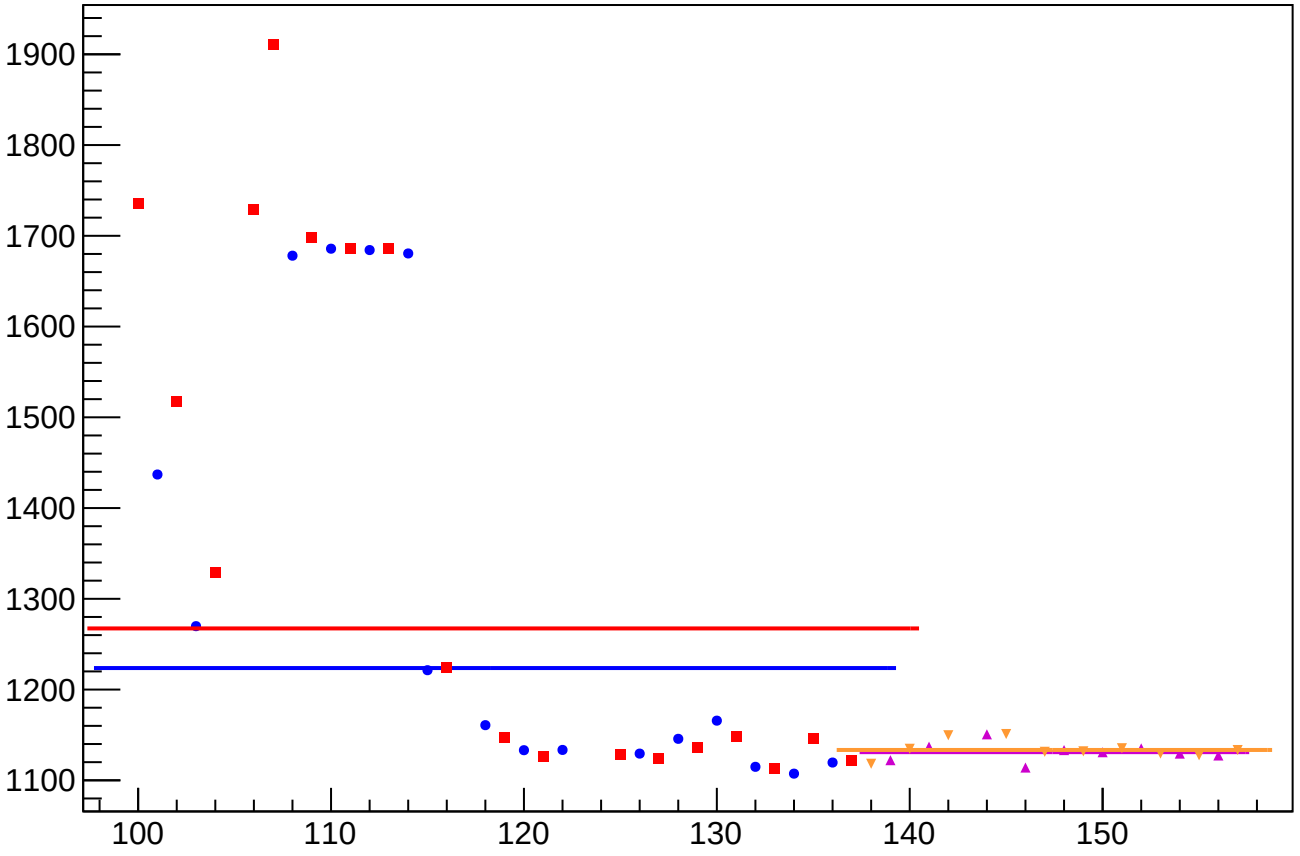
Left In: -195.999+/-403.891 χ^2/NDF:10.8/8

+ sign -169.108+/-303.279 χ^2/NDF: 20.1/25

All: -203.467+/-216.025 χ^2/NDF: 55.6/52

- sign -238.855+/-307.781 χ^2/NDF: 35.4/26

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.448+/-0.286 χ^2/NDF:923.1/9

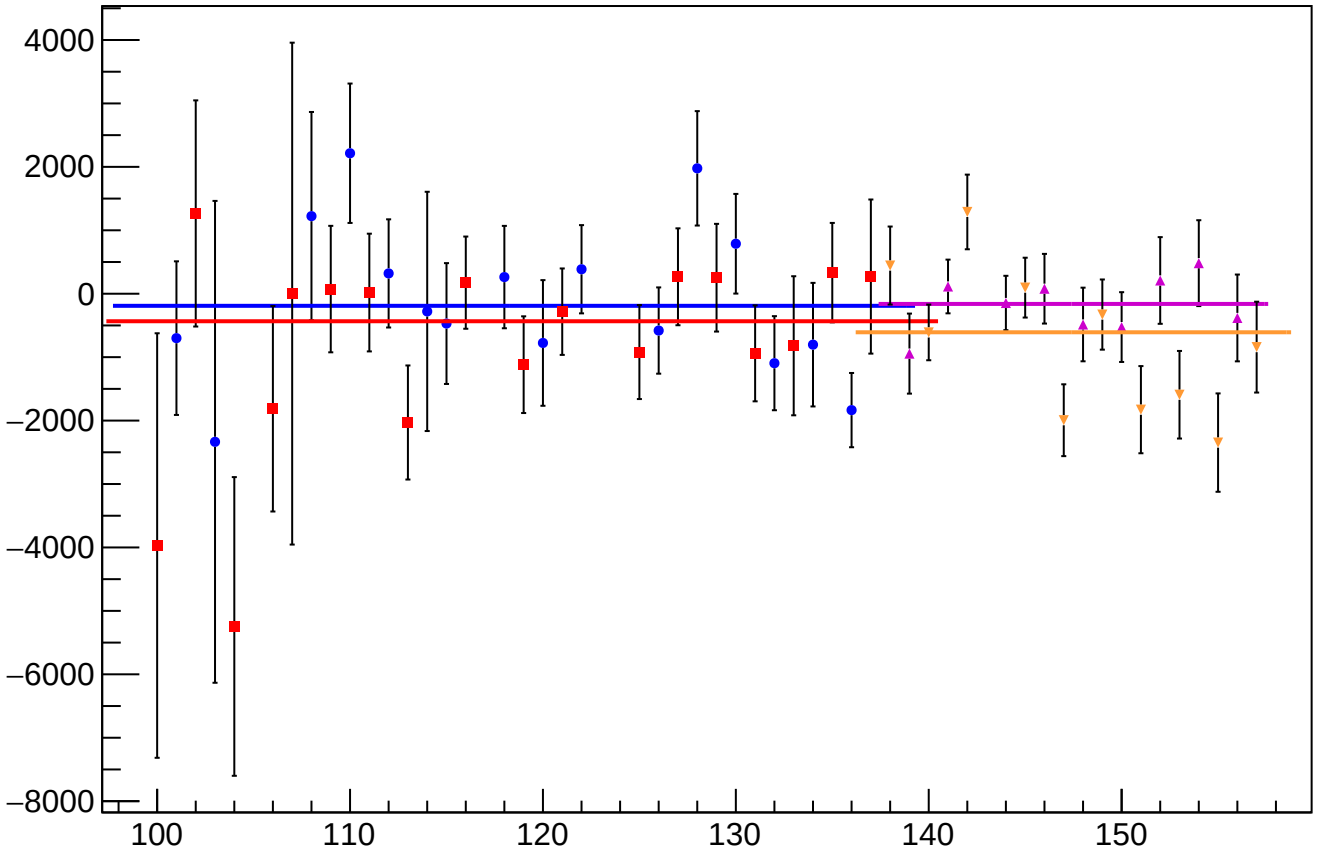
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.043+/-0.286 χ^2/NDF:1149.5/8

+ sign 1172.814+/-0.214 χ^2/NDF: 339451.4/25

All: 1180.394+/-0.153 χ^2/NDF: 878650.2/52

- sign 1188.201+/-0.218 χ^2/NDF: 536662.5/26



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -607.753+/-184.310 χ^2/NDF:32.1/9

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

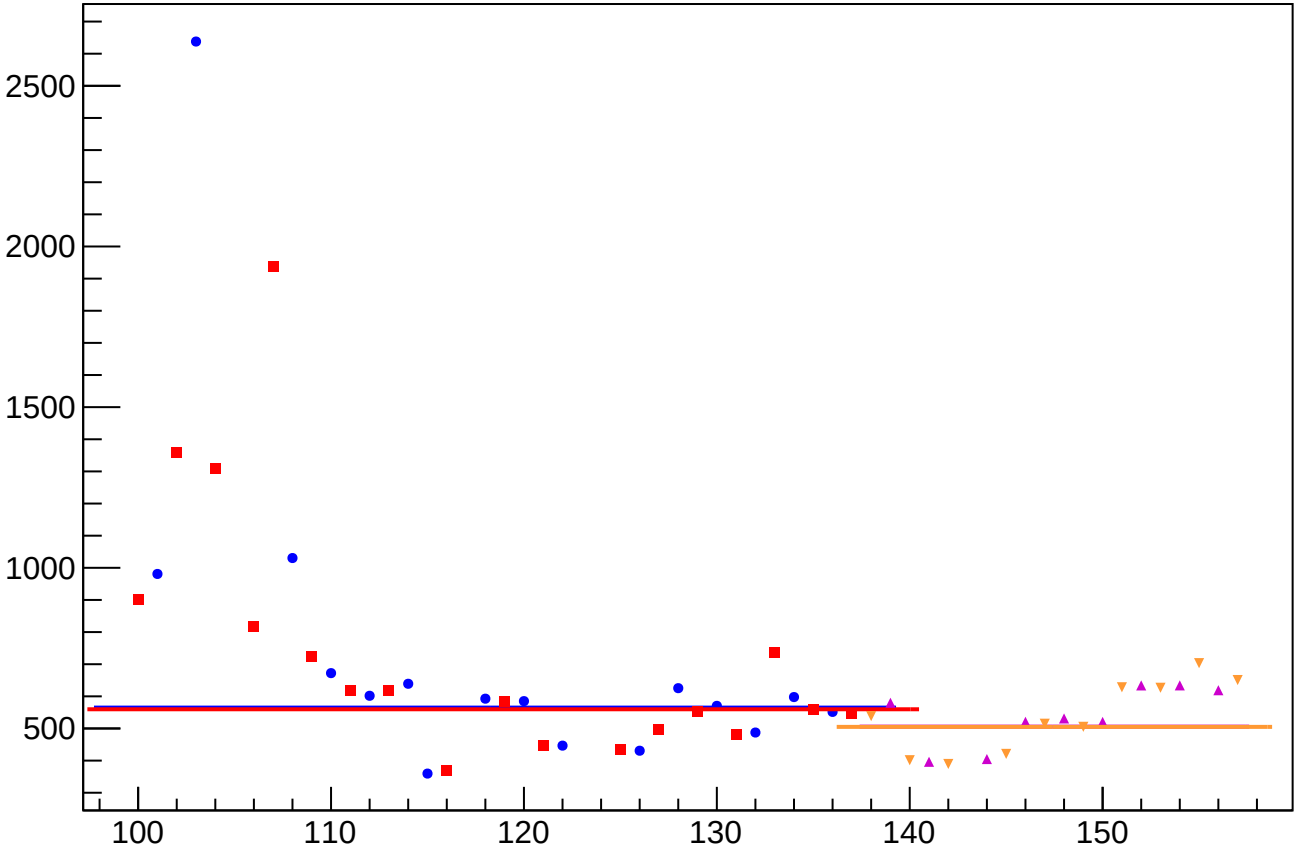
Left In: -160.873+/-183.837 χ^2/NDF:4.2/8

+ sign -438.346+/-142.033 χ^2/NDF: 59.5/25

All: -354.655+/-100.417 χ^2/NDF: 81.2/52

- sign -271.014+/-141.990 χ^2/NDF: 21.0/26

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 504.963+/-0.130 χ^2/NDF:599065.9/9

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

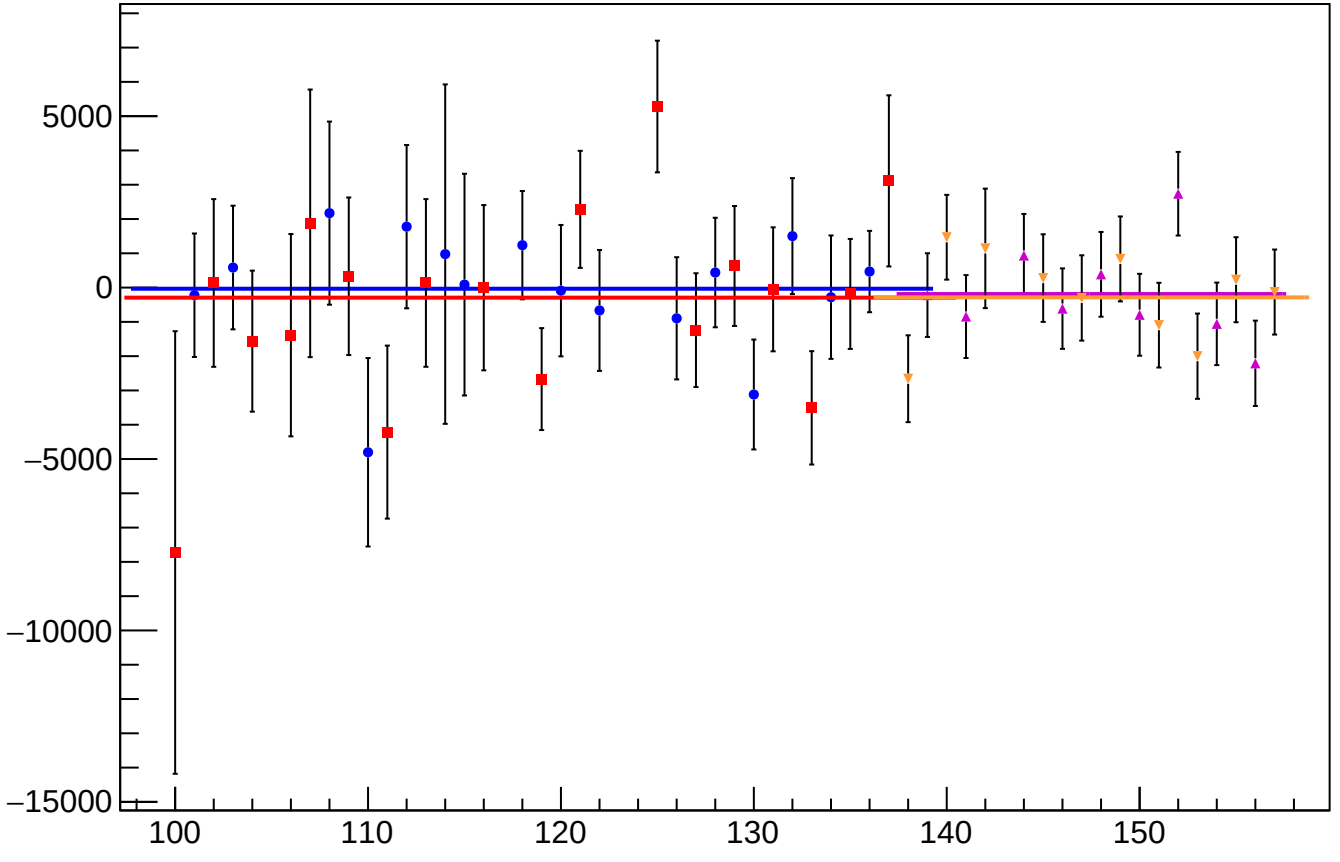
Left In: 505.690+/-0.130 χ^2/NDF:476241.8/8

+ sign 529.328+/-0.100 χ^2/NDF: 1969579.4/25

All: 528.415+/-0.071 χ^2/NDF: 3845138.0/52

- sign 527.503+/-0.100 χ^2/NDF: 1875393.4/26

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.687+/-404.203 χ^2/NDF:9.7/9

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

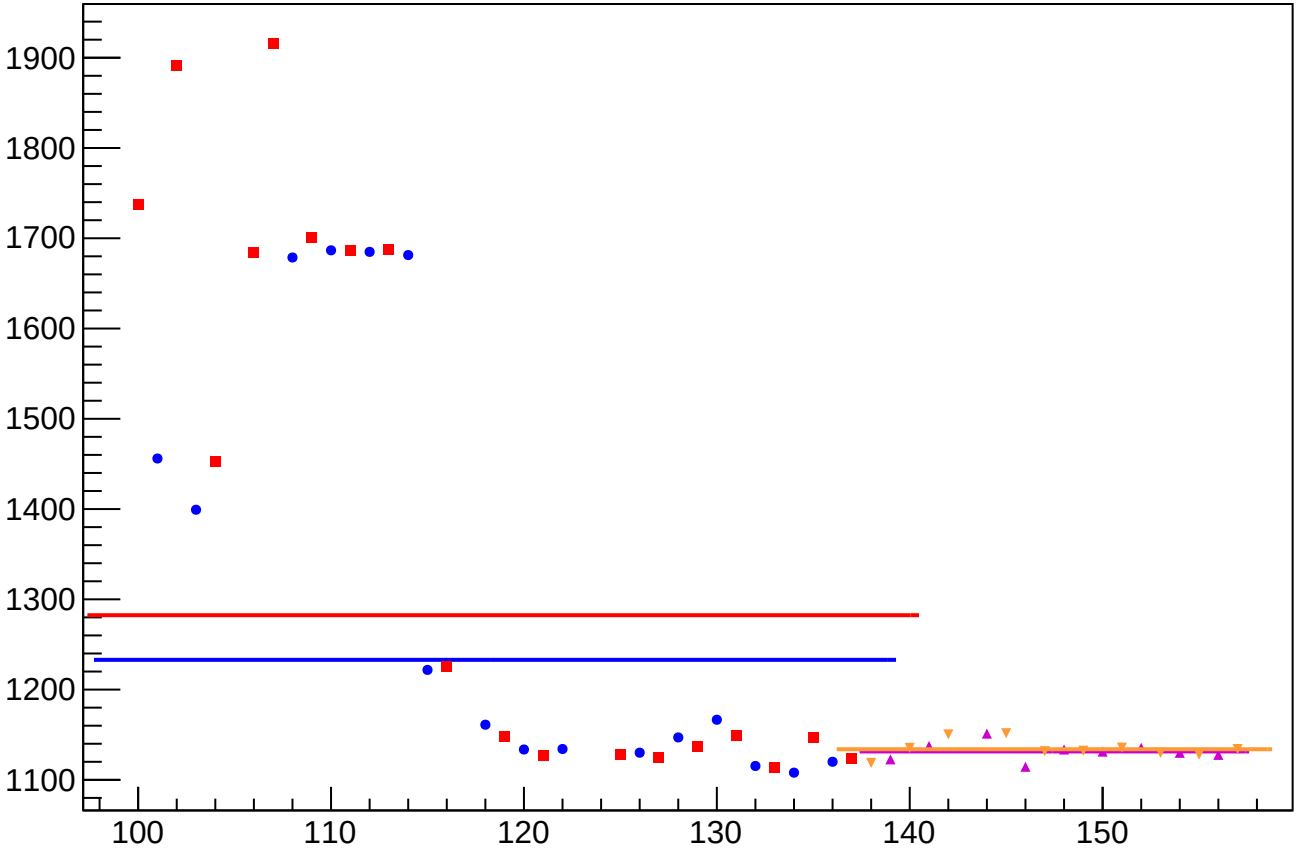
Left In: -188.449+/-404.044 χ^2/NDF:10.7/8

+ sign -176.482+/-304.556 χ^2/NDF: 20.2/25

All: -203.523+/-217.297 χ^2/NDF: 55.1/52

- sign -231.562+/-310.129 χ^2/NDF: 34.9/26

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

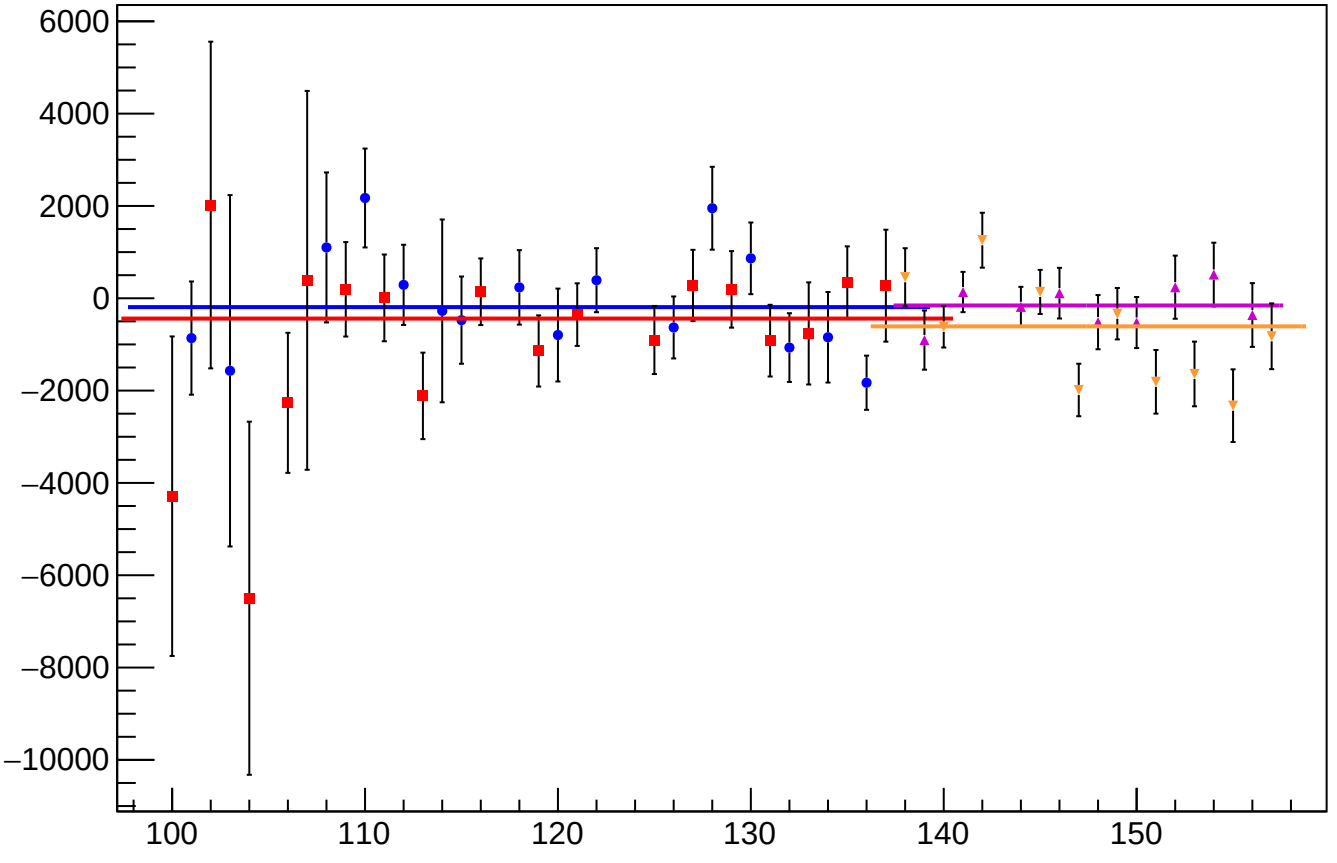
Left In: 1131.471+/-0.286 χ^2/NDF:1150.8/8

+ sign 1176.743+/-0.215 χ^2/NDF: 368302.1/25

All: 1184.961+/-0.154 χ^2/NDF: 1030491.3/52

- sign 1193.483+/-0.219 χ^2/NDF: 659222.6/26

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -608.342+/-186.534 χ^2/NDF:31.3/9

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

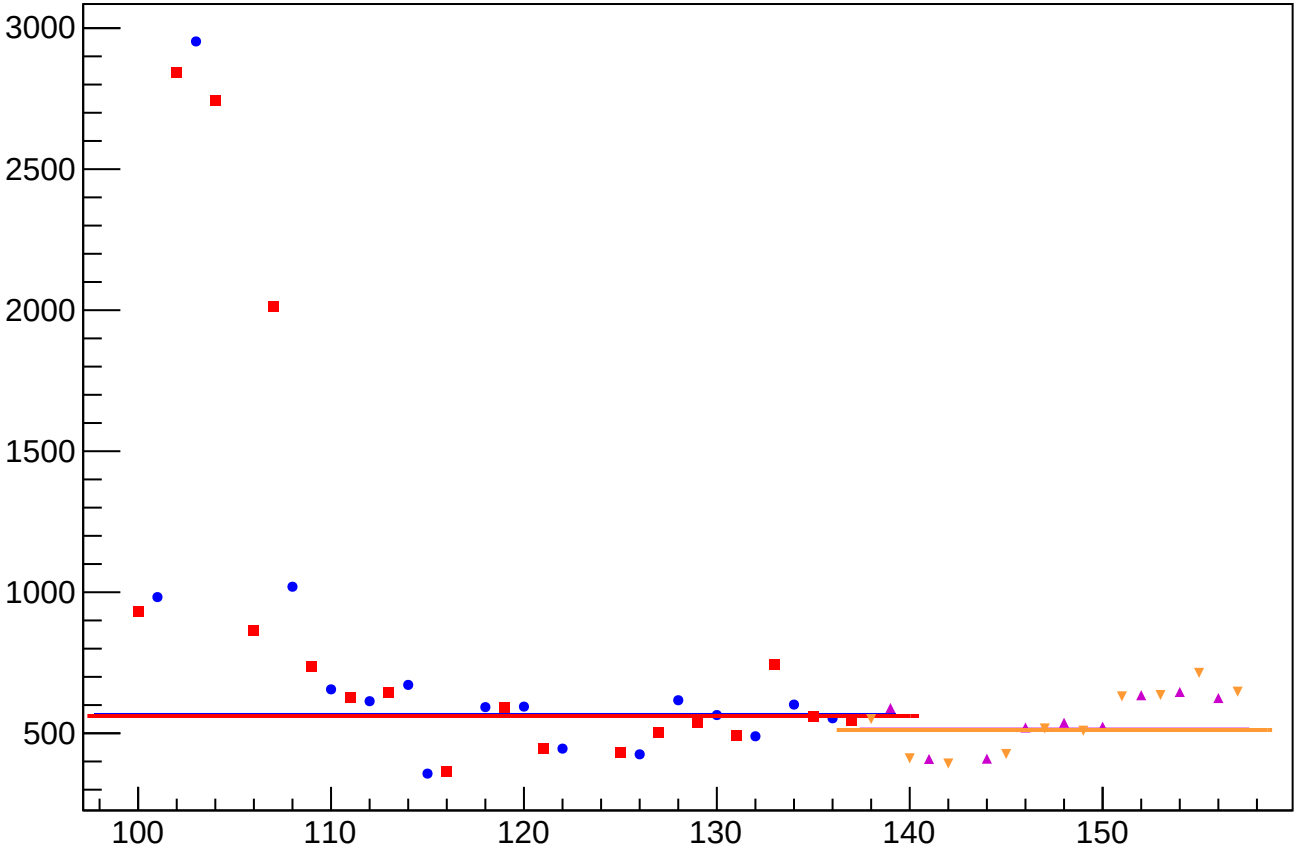
Left In: -156.067+/-186.254 χ^2/NDF:4.2/8

\+ sign -436.543+/-143.016 χ^2/NDF: 58.7/25

All: -353.972+/-101.434 χ^2/NDF: 79.2/52

\- sign -270.392+/-143.887 χ^2/NDF: 19.8/26

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 511.592+/-0.132 χ^2/NDF:578508.4/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

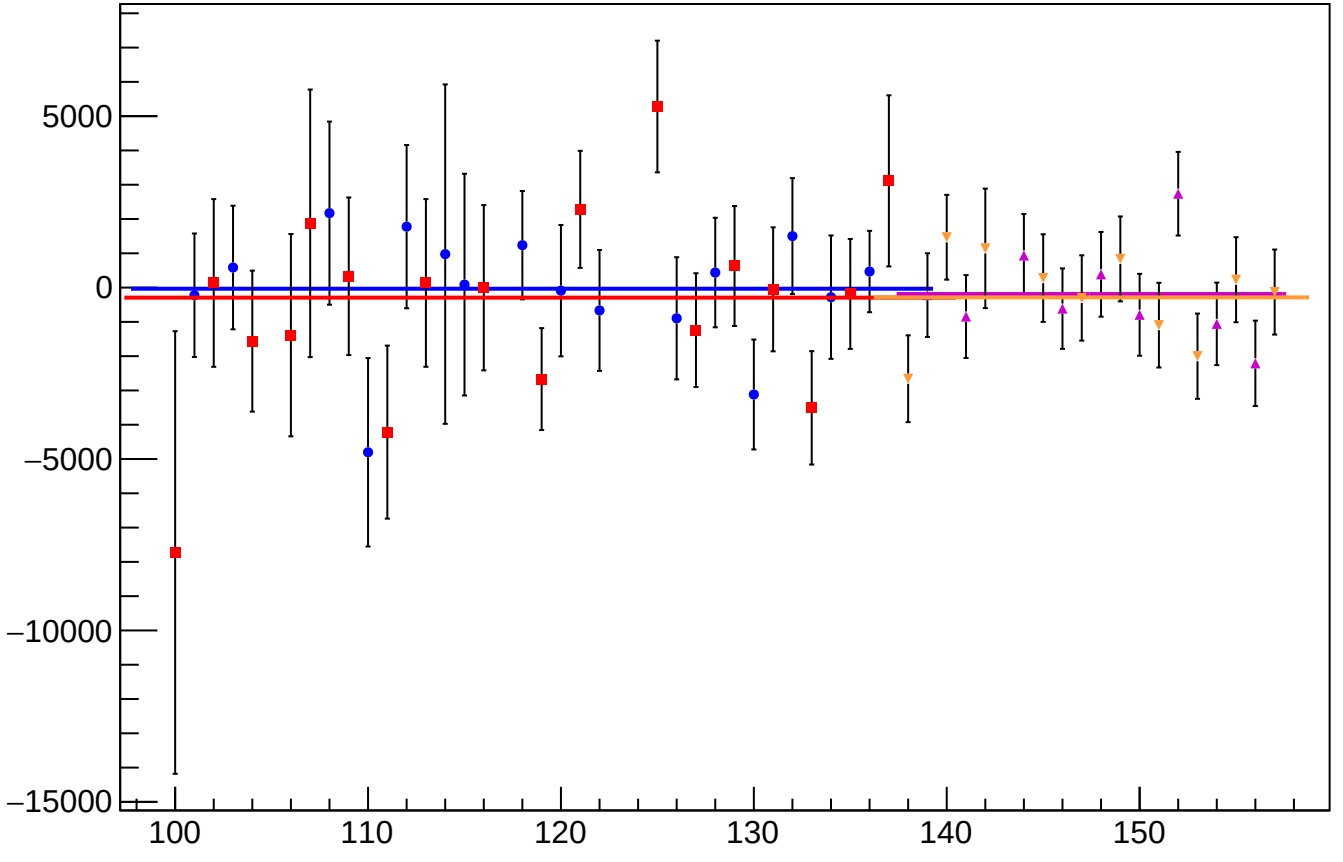
Left In: 512.968+/-0.132 χ^2/NDF:450646.6/8

+ sign 533.552+/-0.101 χ^2/NDF: 2126135.6/25

All: 533.002+/-0.072 χ^2/NDF: 4904454.0/52

- sign 532.445+/-0.102 χ^2/NDF: 2778258.9/26

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -285.691+/-404.203 χ^2/NDF:9.7/9

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

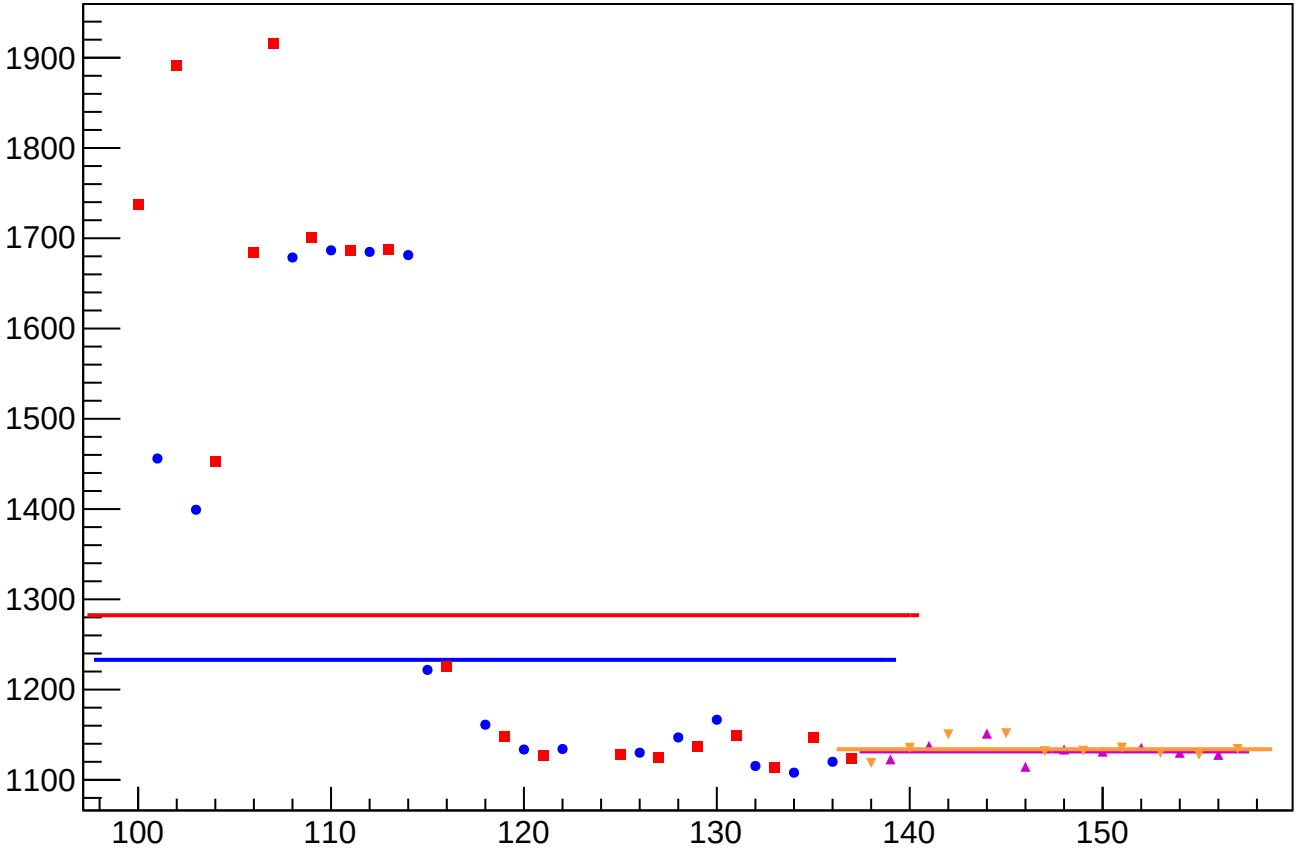
Left In: -188.450+/-404.044 χ^2/NDF:10.7/8

+ sign -176.484+/-304.556 χ^2/NDF: 20.2/25

All: -203.524+/-217.297 χ^2/NDF: 55.1/52

- sign -231.562+/-310.129 χ^2/NDF: 34.9/26

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.933+/-0.286 χ^2/NDF:933.7/9

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

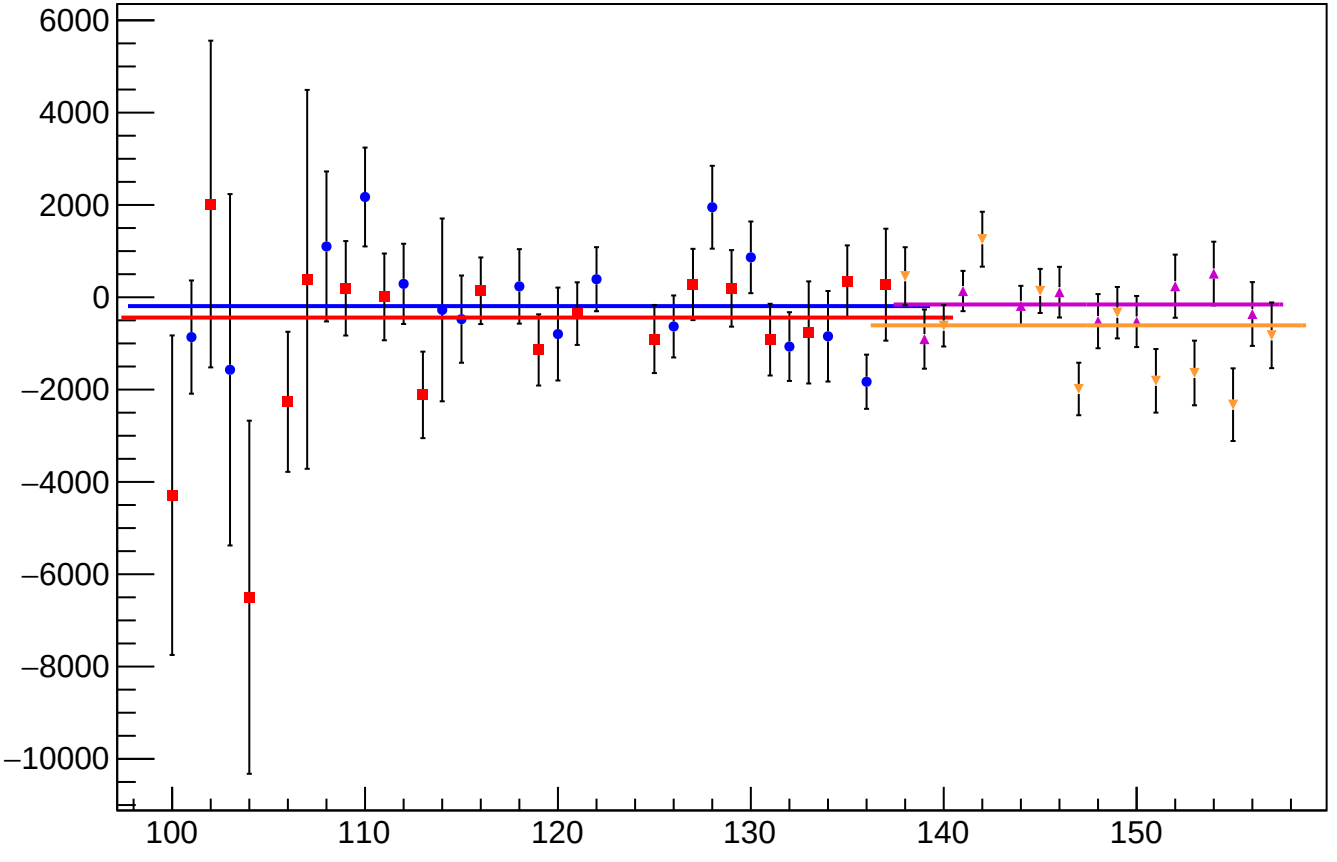
Left In: 1131.471+/-0.286 χ^2/NDF:1150.8/8

+ sign 1176.743+/-0.215 χ^2/NDF: 368301.6/25

All: 1184.961+/-0.154 χ^2/NDF: 1030490.1/52

- sign 1193.483+/-0.219 χ^2/NDF: 659221.9/26

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -608.340+/-186.534 χ^2/NDF:31.3/9

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

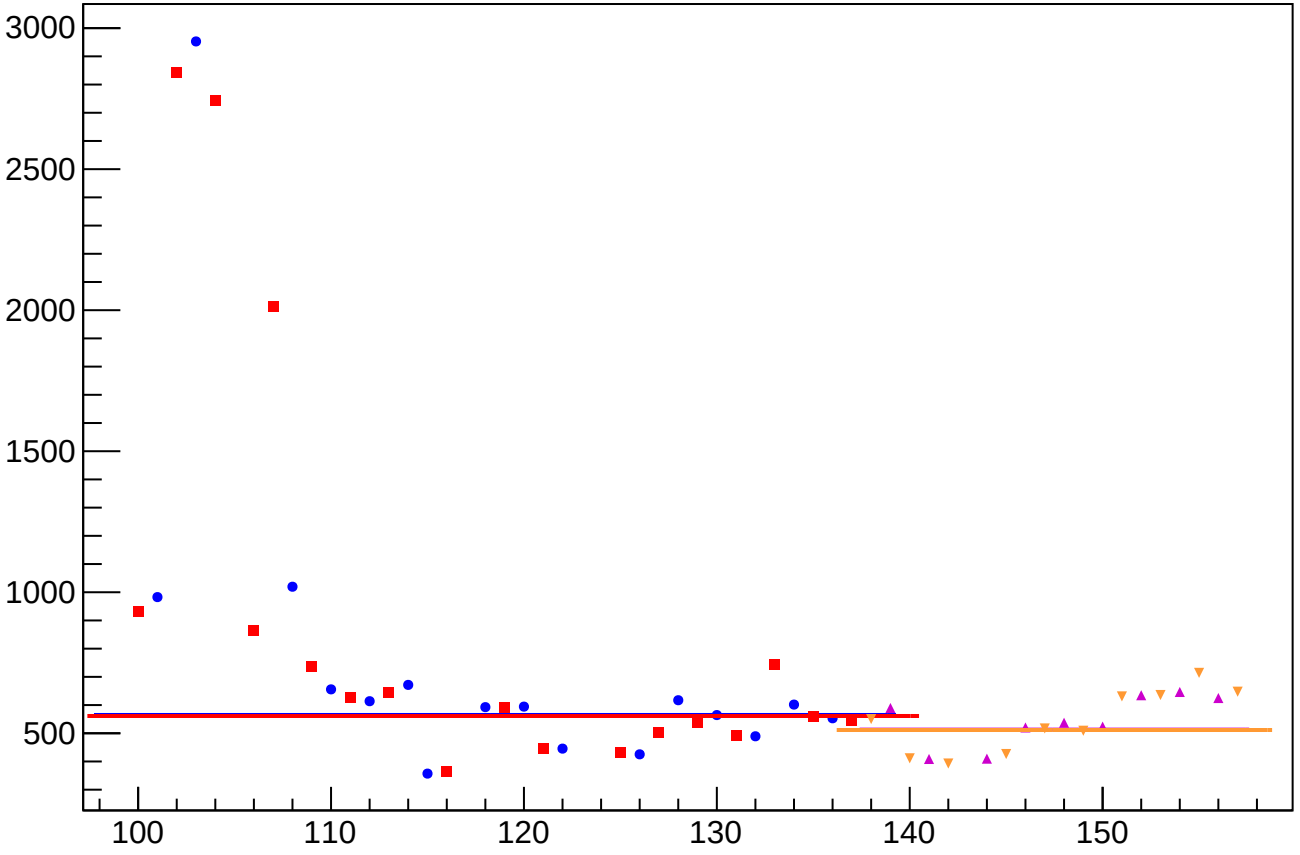
Left In: -156.067+/-186.254 χ^2/NDF:4.2/8

\+ sign -436.542+/-143.015 χ^2/NDF: 58.7/25

All: -353.971+/-101.434 χ^2/NDF: 79.2/52

\- sign -270.392+/-143.887 χ^2/NDF: 19.8/26

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 511.591+/-0.132 χ^2/NDF:578527.6/9

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

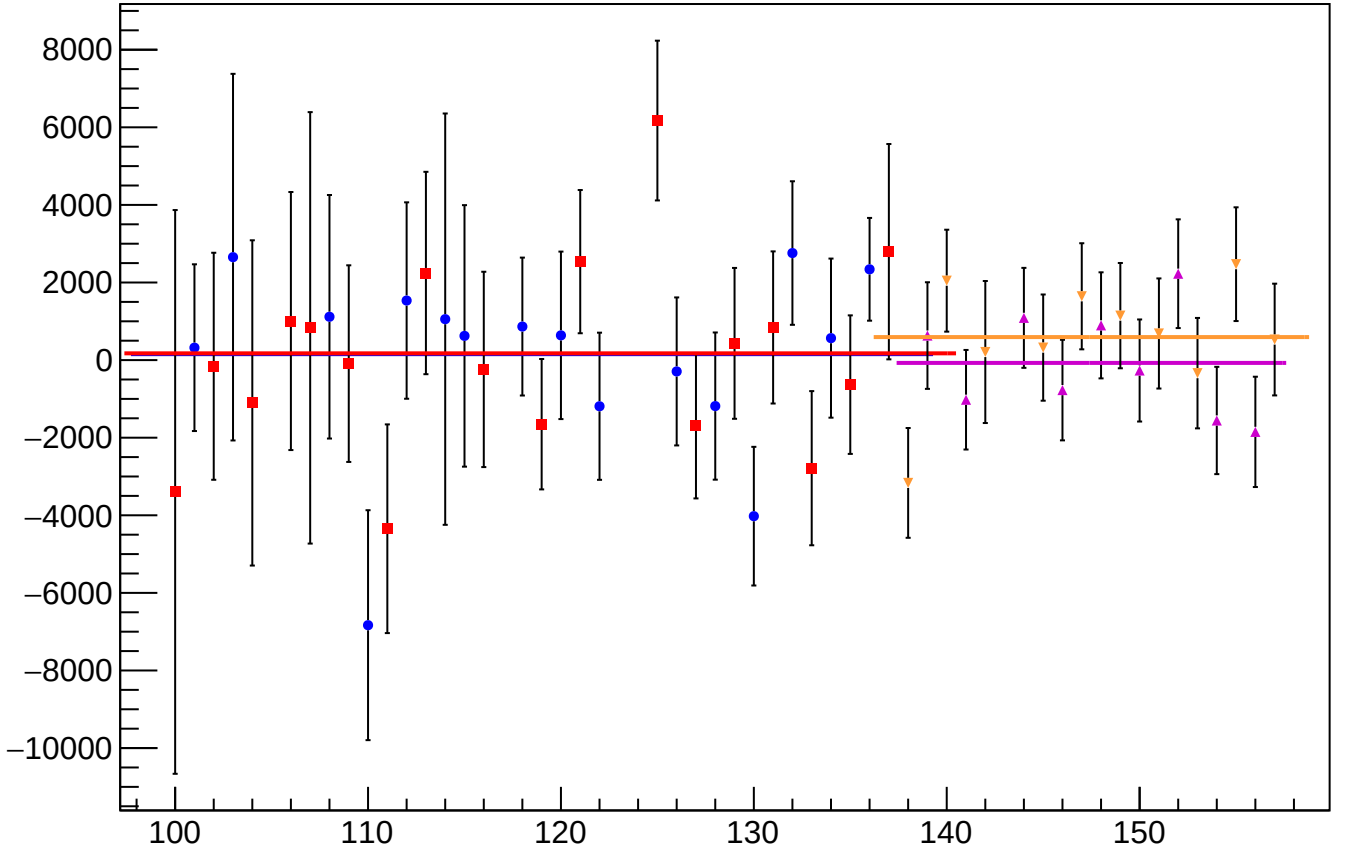
Left In: 512.968+/-0.132 χ^2/NDF:450660.1/8

+ sign 533.551+/-0.101 χ^2/NDF: 2126153.8/25

All: 533.001+/-0.072 χ^2/NDF: 4904487.0/52

- sign 532.444+/-0.102 χ^2/NDF: 2778273.6/26

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 593.245+/-450.497 χ^2/NDF:11.2/9

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

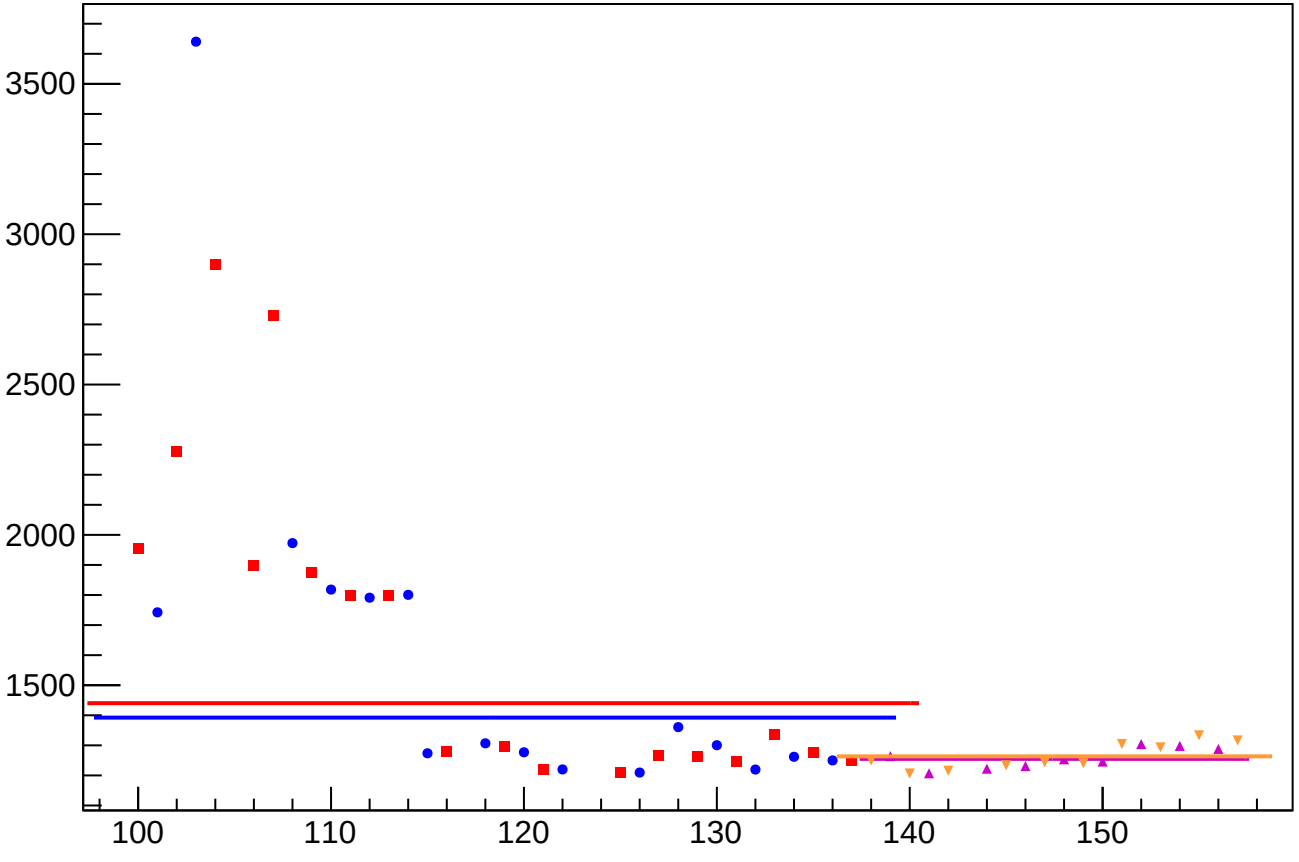
Left In: -72.393+/-448.344 χ^2/NDF:7.8/8

+ sign 409.589+/-343.820 χ^2/NDF: 29.4/25

All: 219.897+/-244.425 χ^2/NDF: 57.6/52

- sign 26.067+/-347.550 χ^2/NDF: 27.6/26

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.428+/-0.319 χ^2/NDF:17045.0/9

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

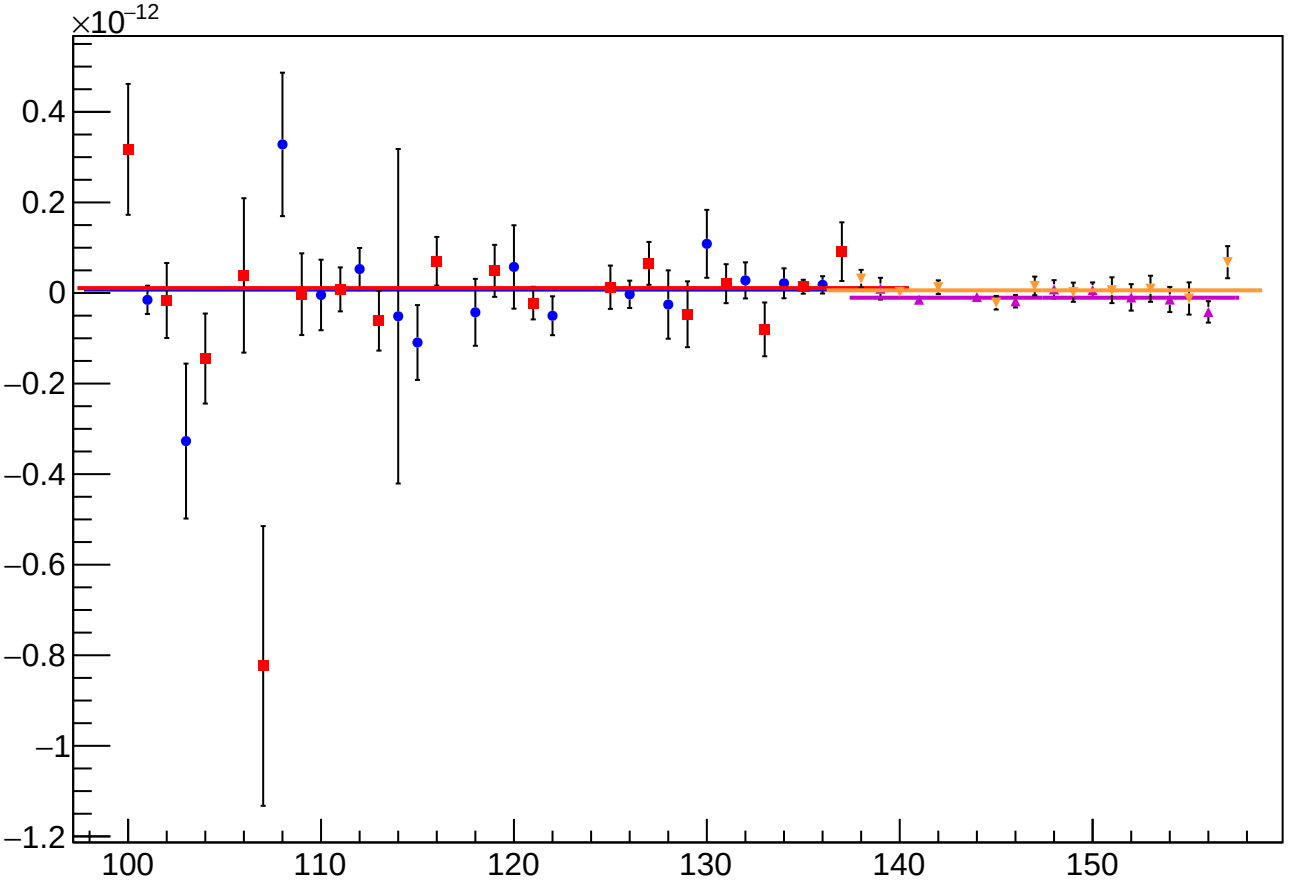
Left In: 1255.070+/-0.317 χ^2/NDF:10436.8/8

+ sign 1317.235+/-0.243 χ^2/NDF: 864619.8/25

All: 1323.035+/-0.173 χ^2/NDF: 1867216.0/52

- sign 1328.962+/-0.246 χ^2/NDF: 1001445.4/26

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/9

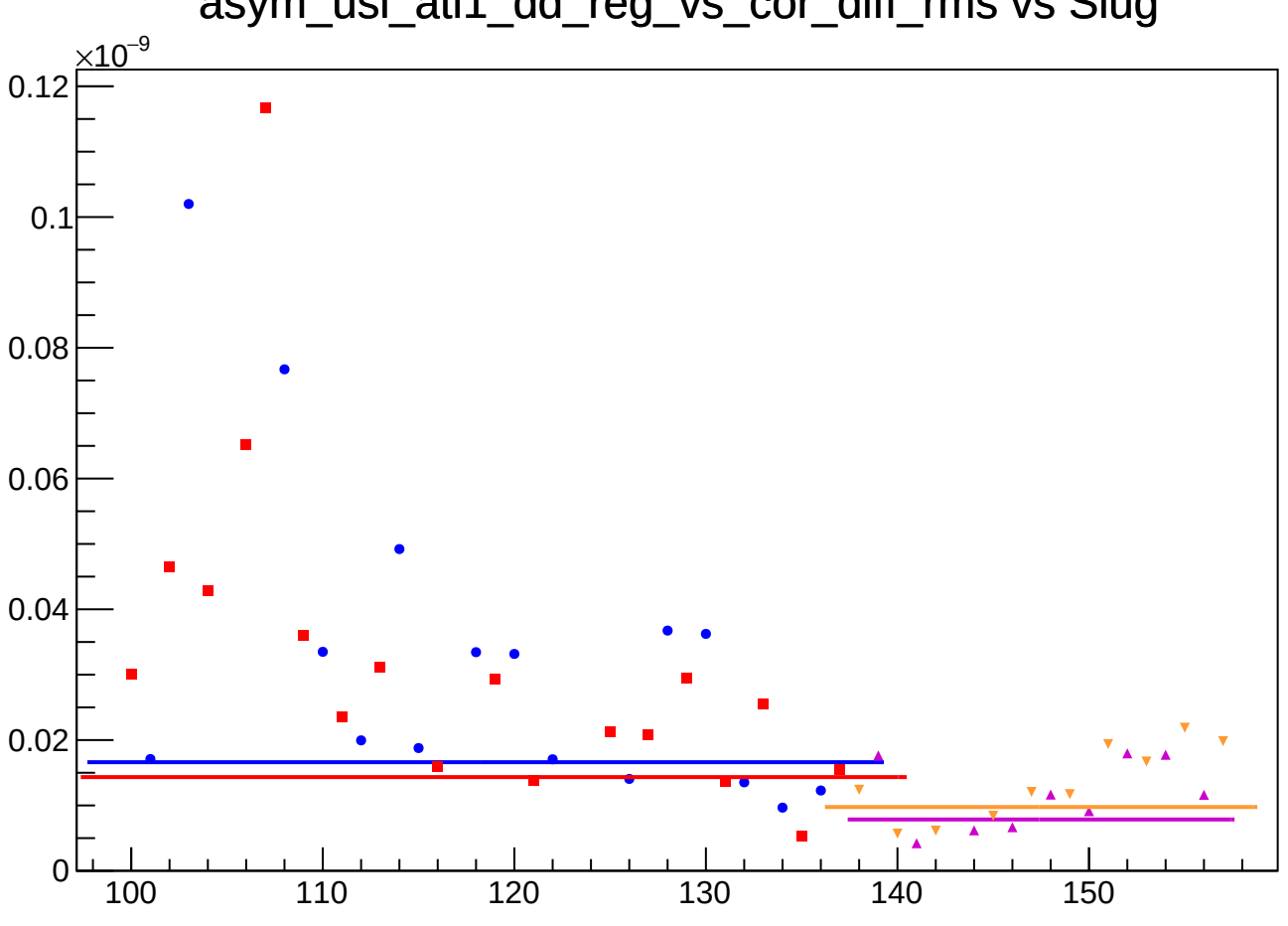
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 25.9/25

All: -0.000+/-0.000 χ^2/NDF: 61.3/52

- sign -0.000+/-0.000 χ^2/NDF: 32.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214479.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

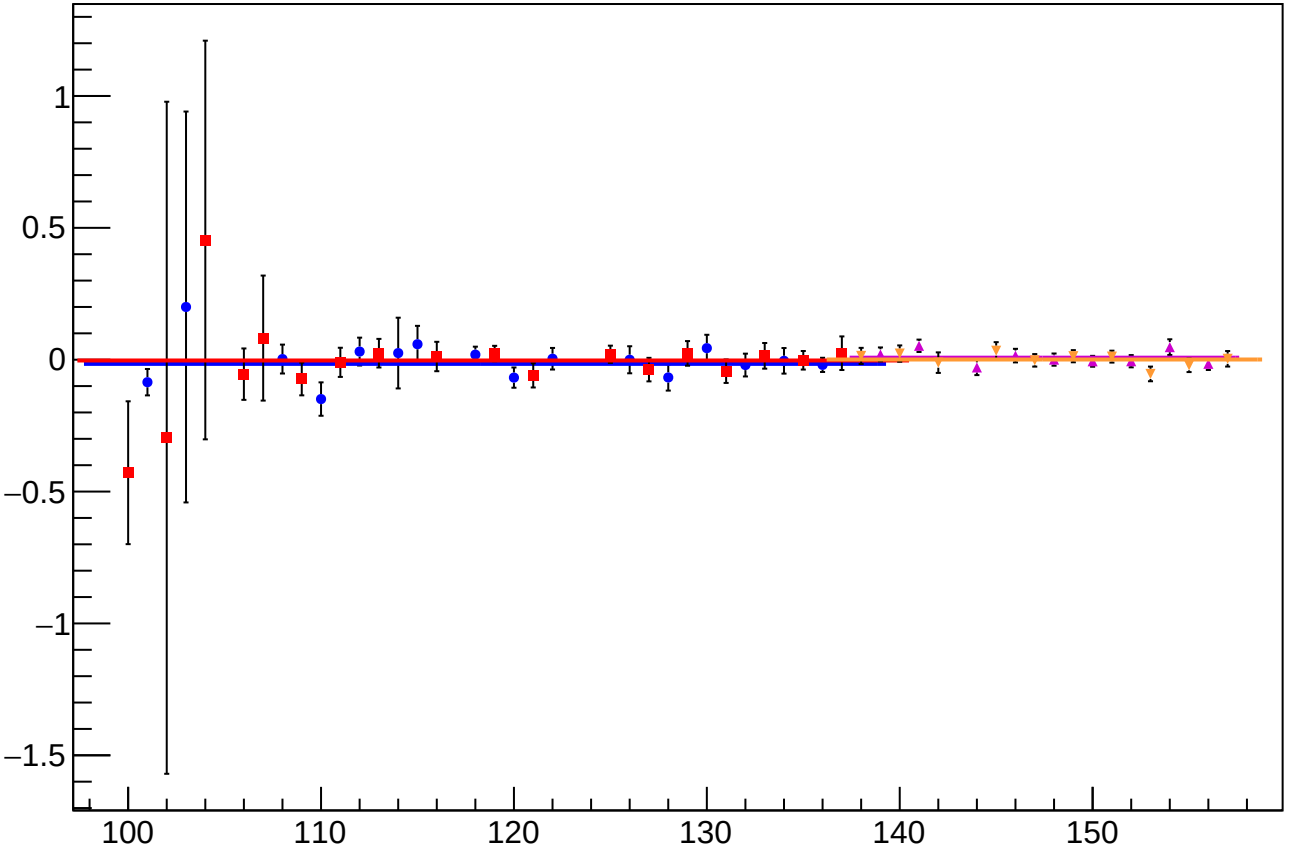
Left In: 0.000+/-0.000 χ^2/NDF:1323676.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 3399662.6/25

All: 0.000+/-0.000 χ^2/NDF: 7790953.7/52

- sign 0.000+/-0.000 χ^2/NDF: 4186102.5/26

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

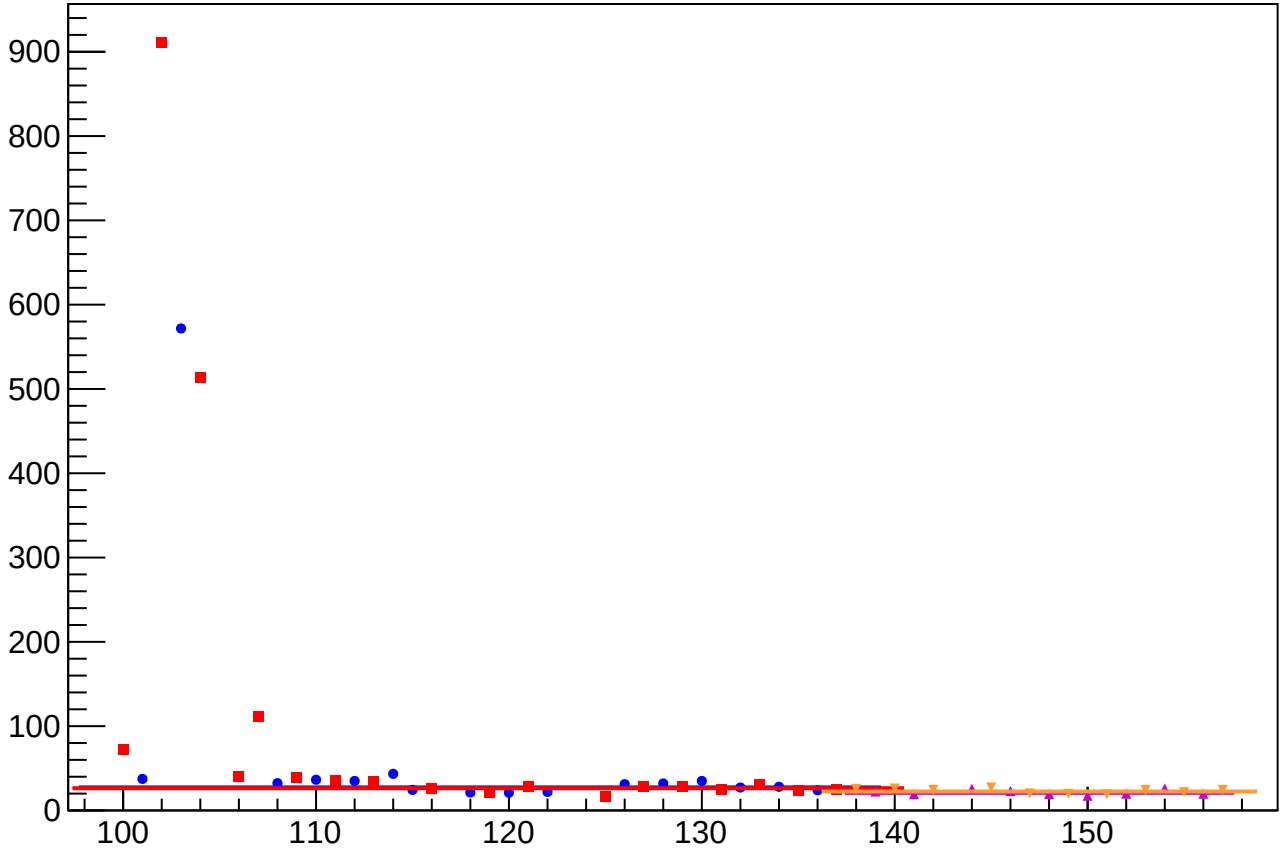
Left In: 0.008+/-0.008 χ^2/NDF:9.3/8

\+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.000+/-0.005 χ^2/NDF: 43.6/52

\- sign 0.004+/-0.007 χ^2/NDF: 19.7/26

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.483+/-0.006 χ^2/NDF:202685.6/9

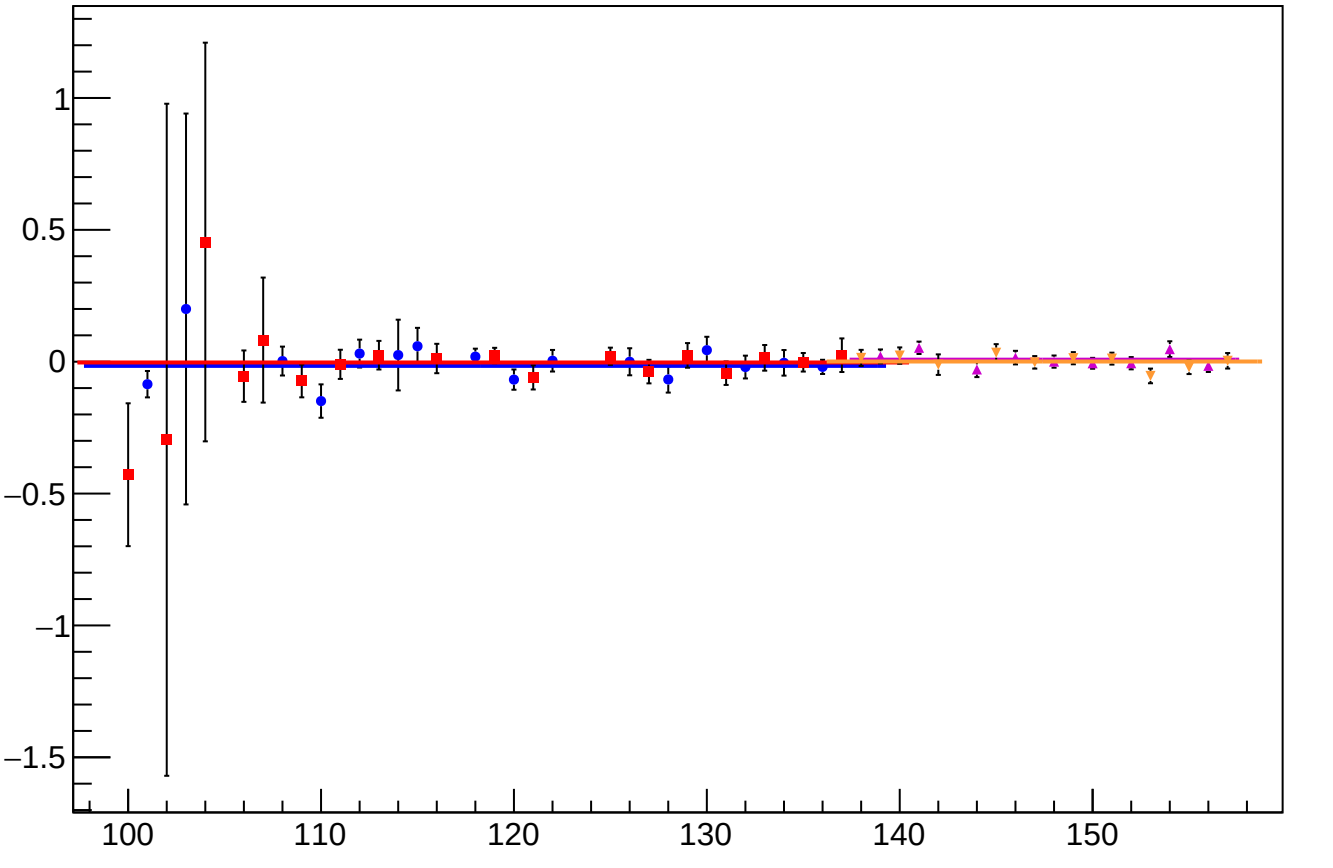
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.910+/-0.006 χ^2/NDF:218962.4/8

+ sign 24.221+/-0.005 χ^2/NDF: 1993648.5/25

All: 23.412+/-0.003 χ^2/NDF: 5165368.4/52

- sign 22.646+/-0.005 χ^2/NDF: 3118851.5/26



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

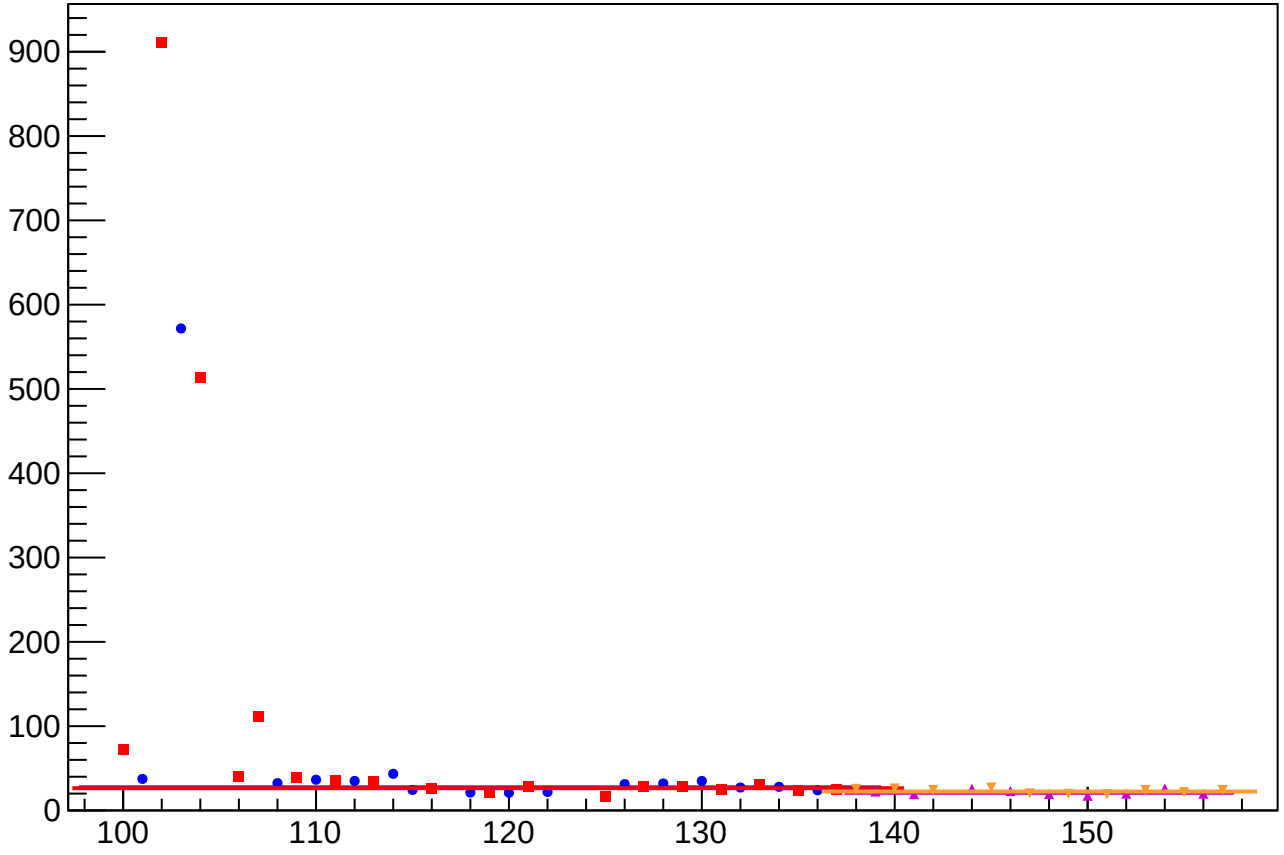
Left In: 0.008+/-0.008 χ^2/NDF:9.3/8

\+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.000+/-0.005 χ^2/NDF: 43.6/52

\- sign 0.004+/-0.007 χ^2/NDF: 19.7/26

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.483+/-0.006 χ^2/NDF:202685.6/9

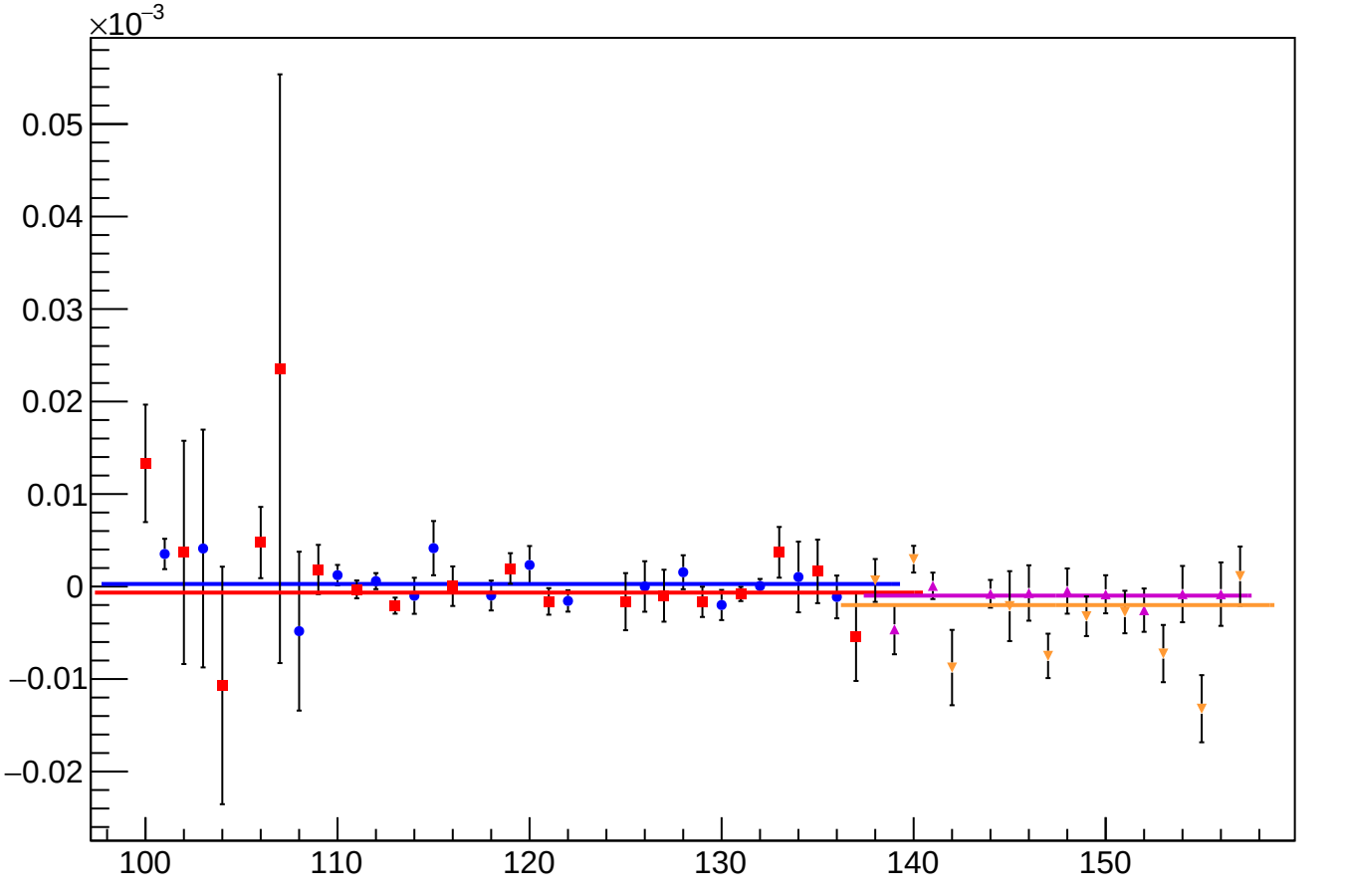
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.910+/-0.006 χ^2/NDF:218962.4/8

+ sign 24.221+/-0.005 χ^2/NDF: 1993648.5/25

All: 23.412+/-0.003 χ^2/NDF: 5165368.4/52

- sign 22.646+/-0.005 χ^2/NDF: 3118851.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/17

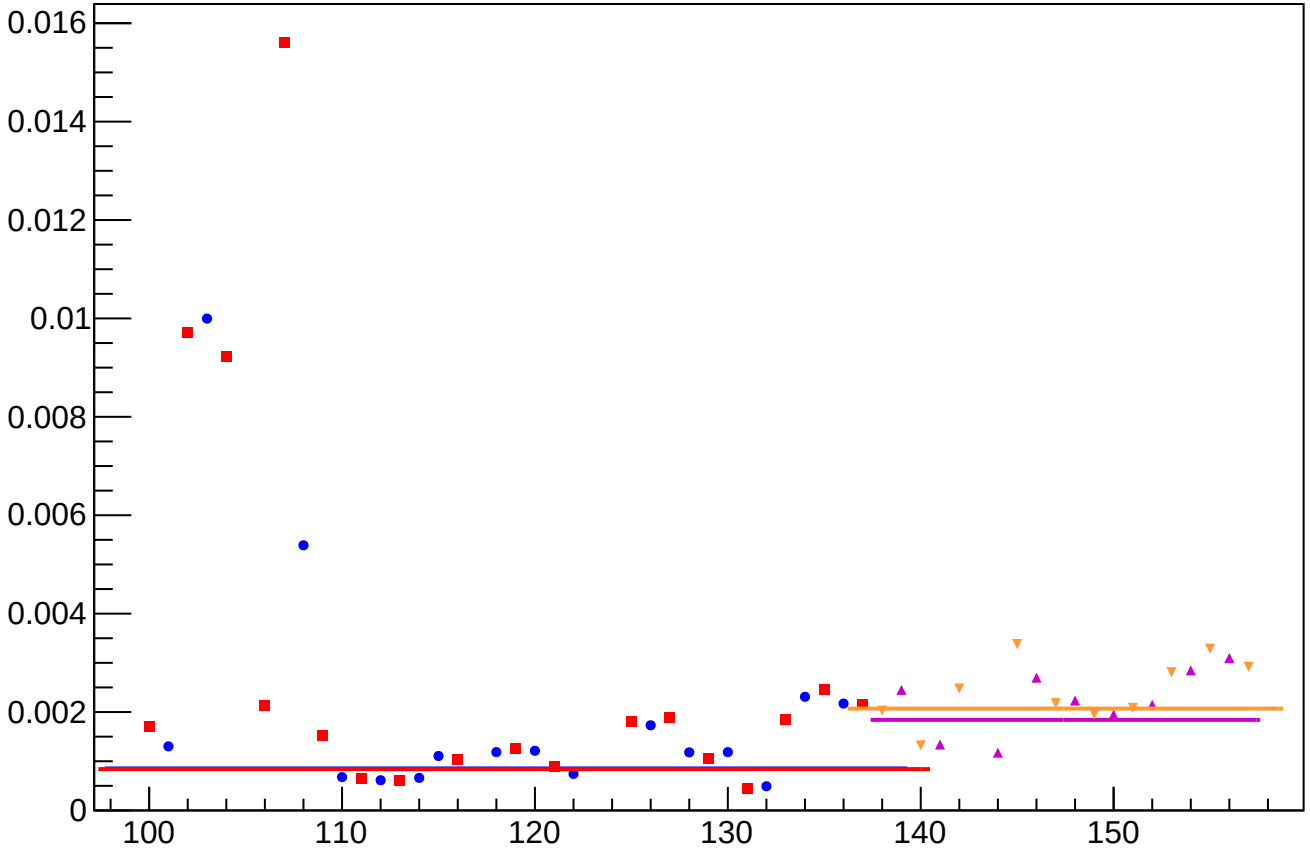
Left In: -0.000+/-0.000 χ^2/NDF:2.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 56.3/25

All: -0.000+/-0.000 χ^2/NDF: 80.0/52

- sign -0.000+/-0.000 χ^2/NDF: 22.3/26

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:1286490.0/9

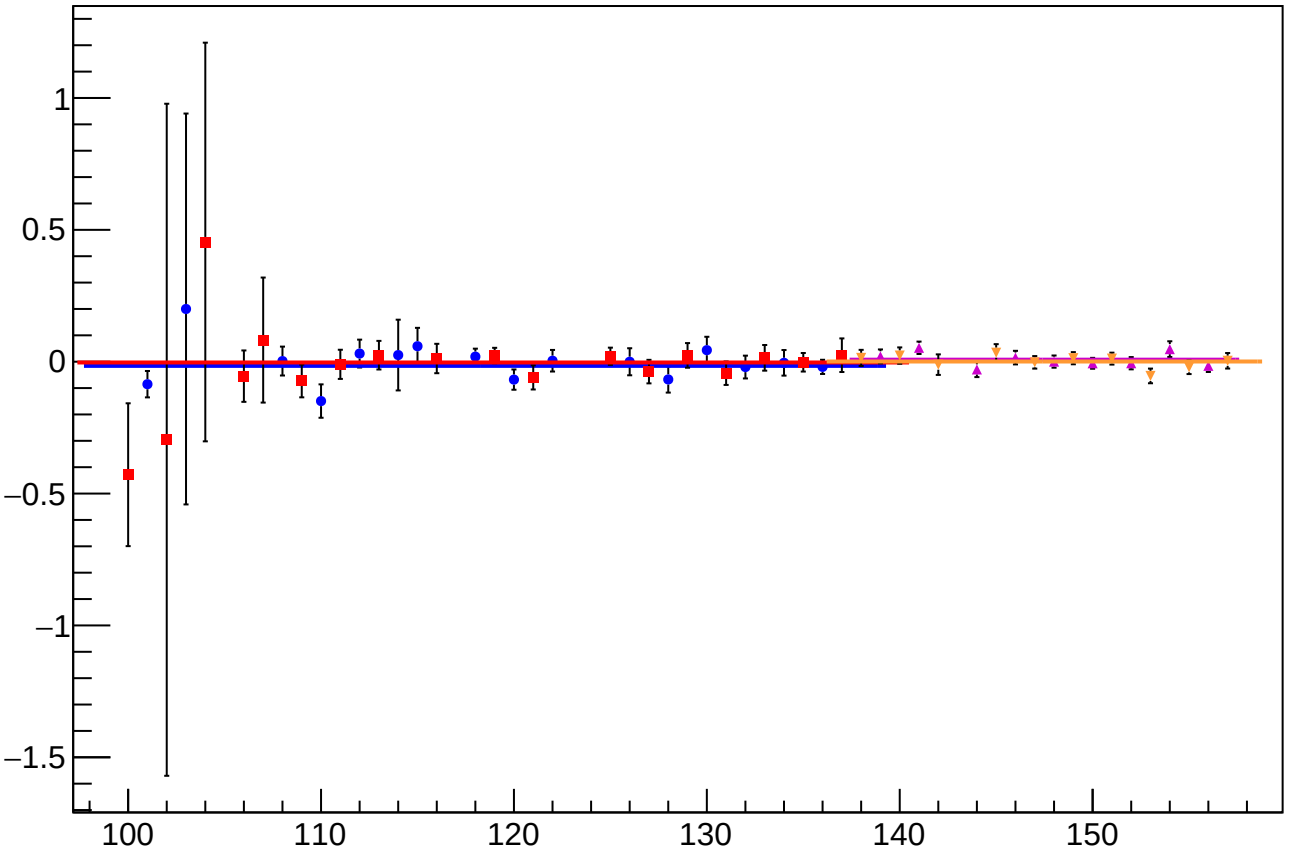
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1488546.8/8

+ sign 0.001+/-0.000 χ^2/NDF: 9120492.1/25

All: 0.001+/-0.000 χ^2/NDF: 18642783.2/52

- sign 0.001+/-0.000 χ^2/NDF: 9522041.1/26



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

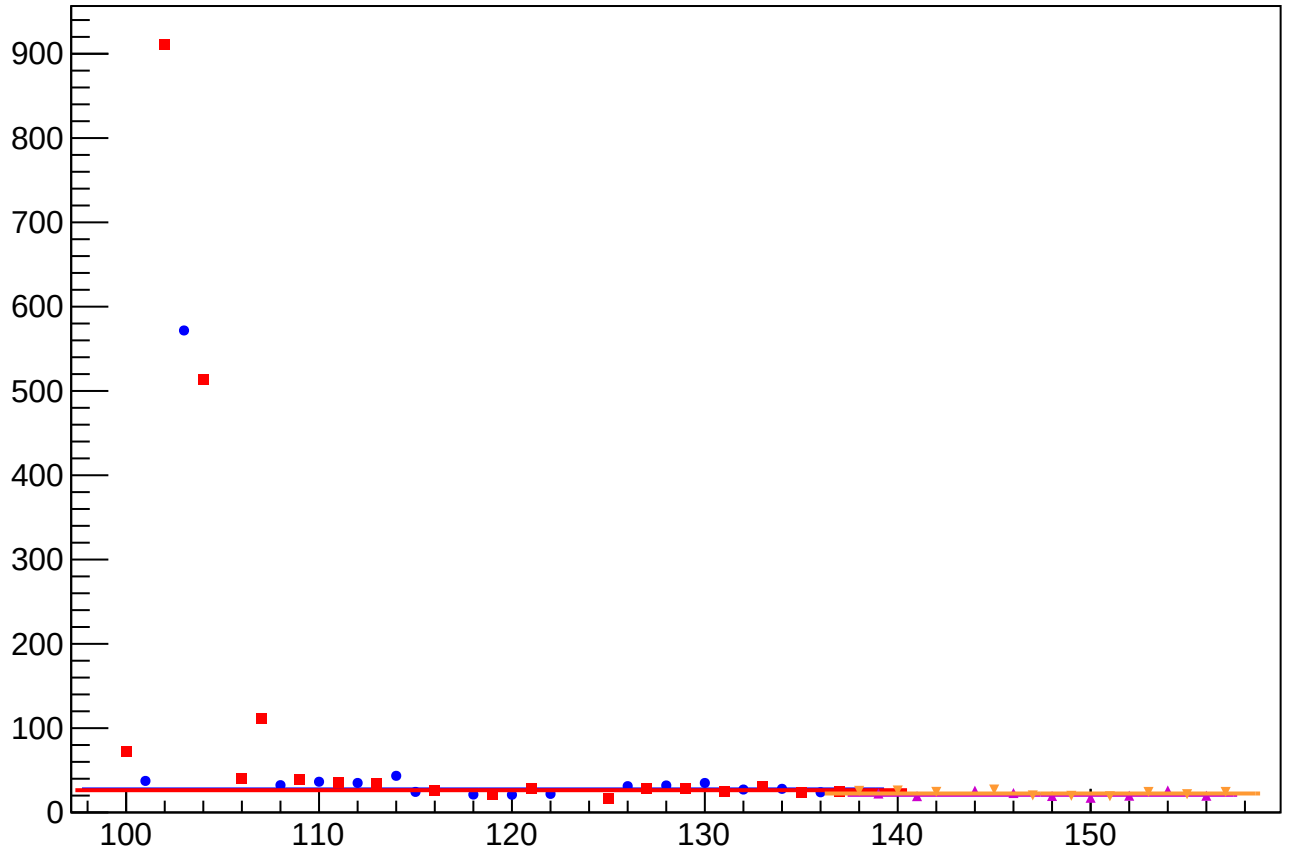
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.008+/-0.008 χ^2/NDF:9.3/8

+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.000+/-0.005 χ^2/NDF: 43.6/52

- sign 0.004+/-0.007 χ^2/NDF: 19.7/26



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

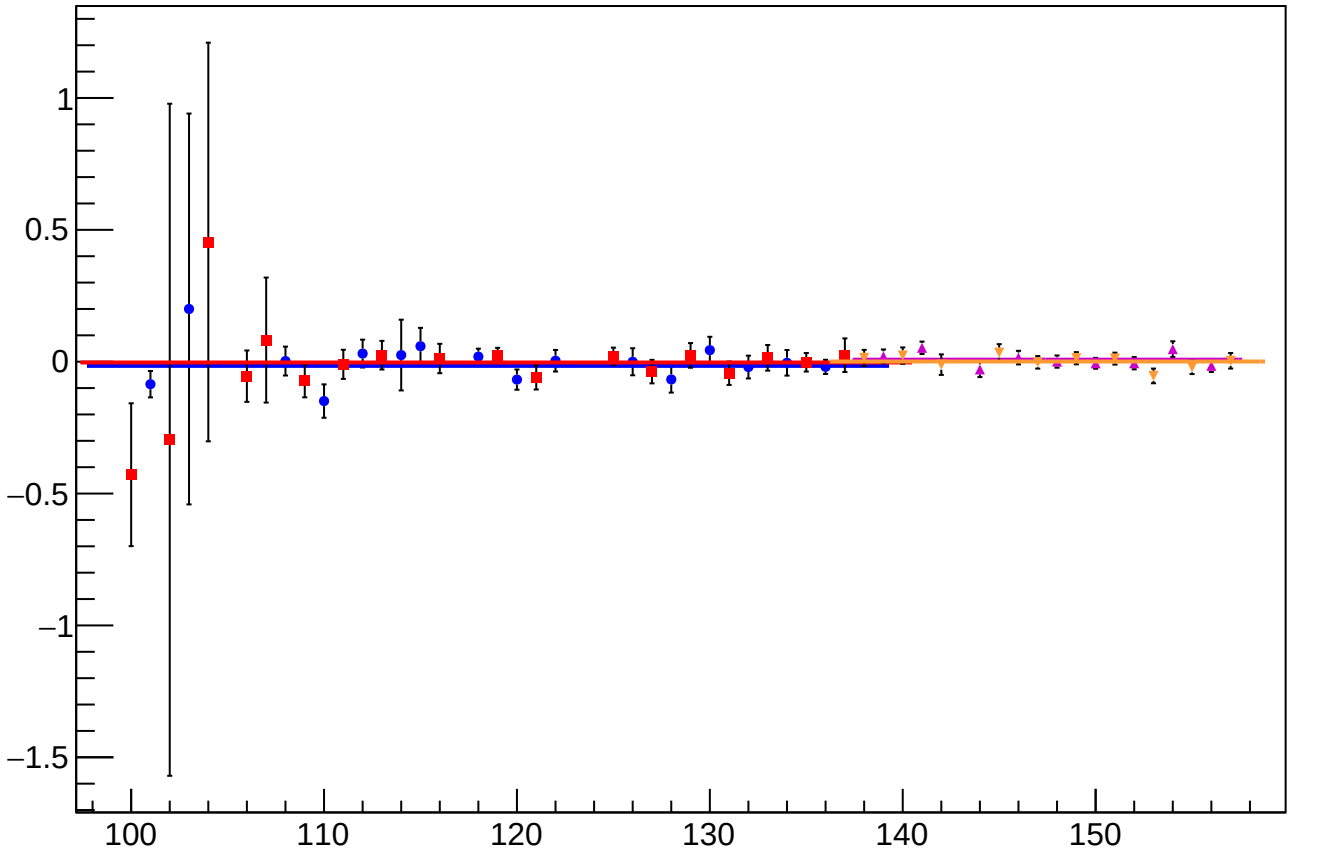
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.911+/-0.006 χ^2/NDF:218958.2/8

+ sign 24.221+/-0.005 χ^2/NDF: 1993634.1/25

All: 23.412+/-0.003 χ^2/NDF: 5165340.2/52

- sign 22.646+/-0.005 χ^2/NDF: 3118849.8/26



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/9

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

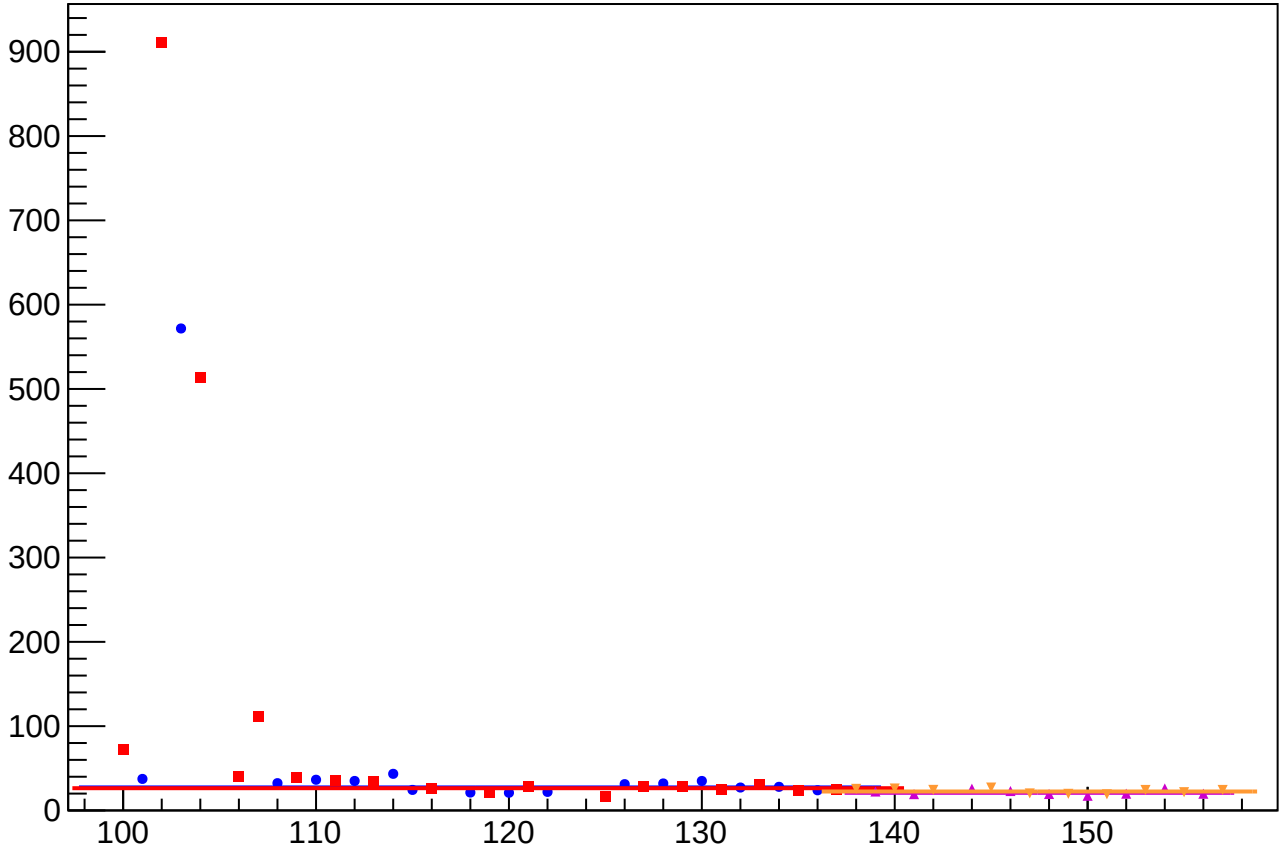
Left In: 0.008+/-0.008 χ^2/NDF:9.3/8

+ sign -0.005+/-0.007 χ^2/NDF: 22.9/25

All: -0.000+/-0.005 χ^2/NDF: 43.6/52

- sign 0.004+/-0.007 χ^2/NDF: 19.7/26

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.483+/-0.006 χ^2/NDF:202665.7/9

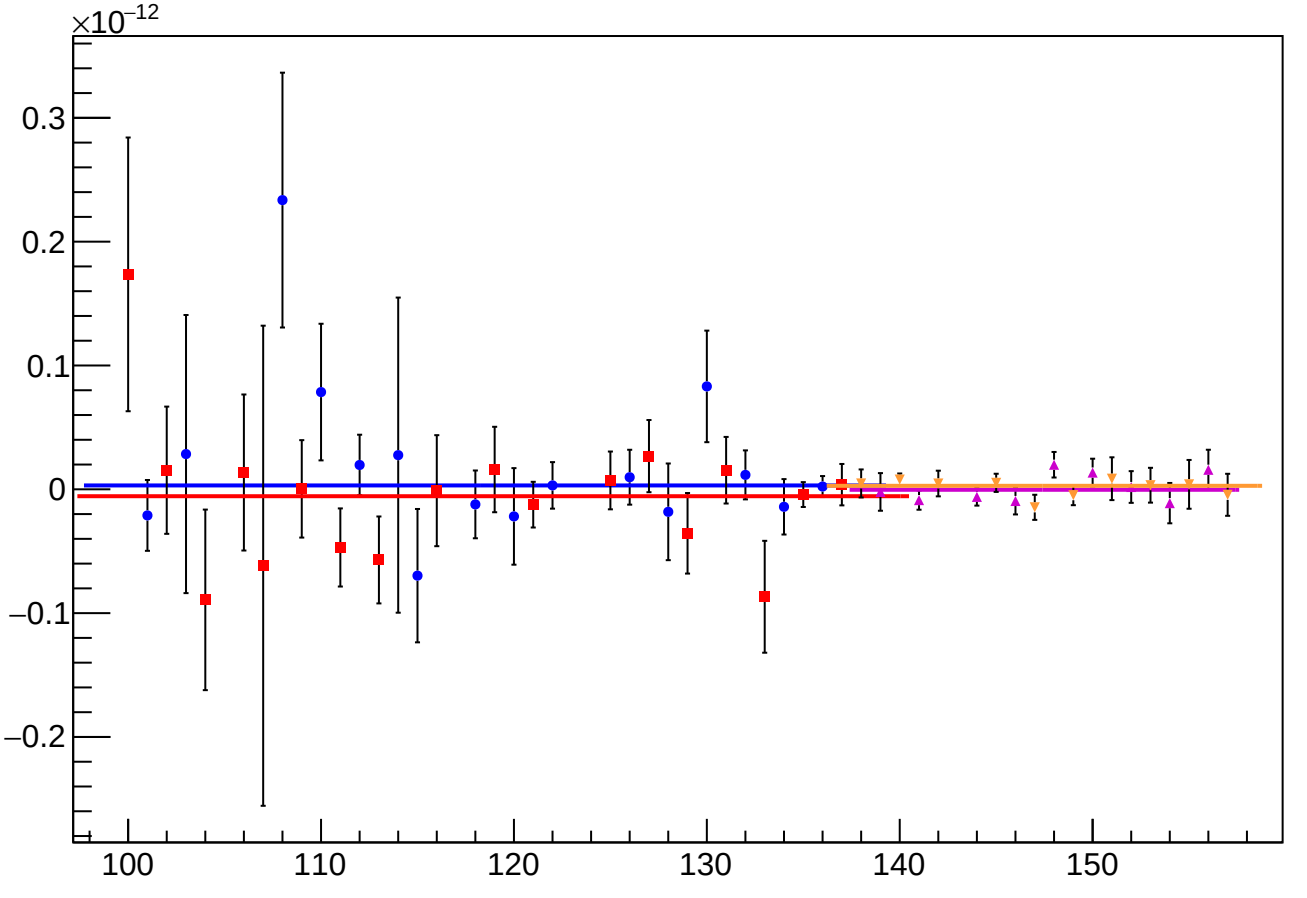
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.911+/-0.006 χ^2/NDF:218958.2/8

+ sign 24.221+/-0.005 χ^2/NDF: 1993634.1/25

All: 23.412+/-0.003 χ^2/NDF: 5165340.2/52

- sign 22.646+/-0.005 χ^2/NDF: 3118849.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/9

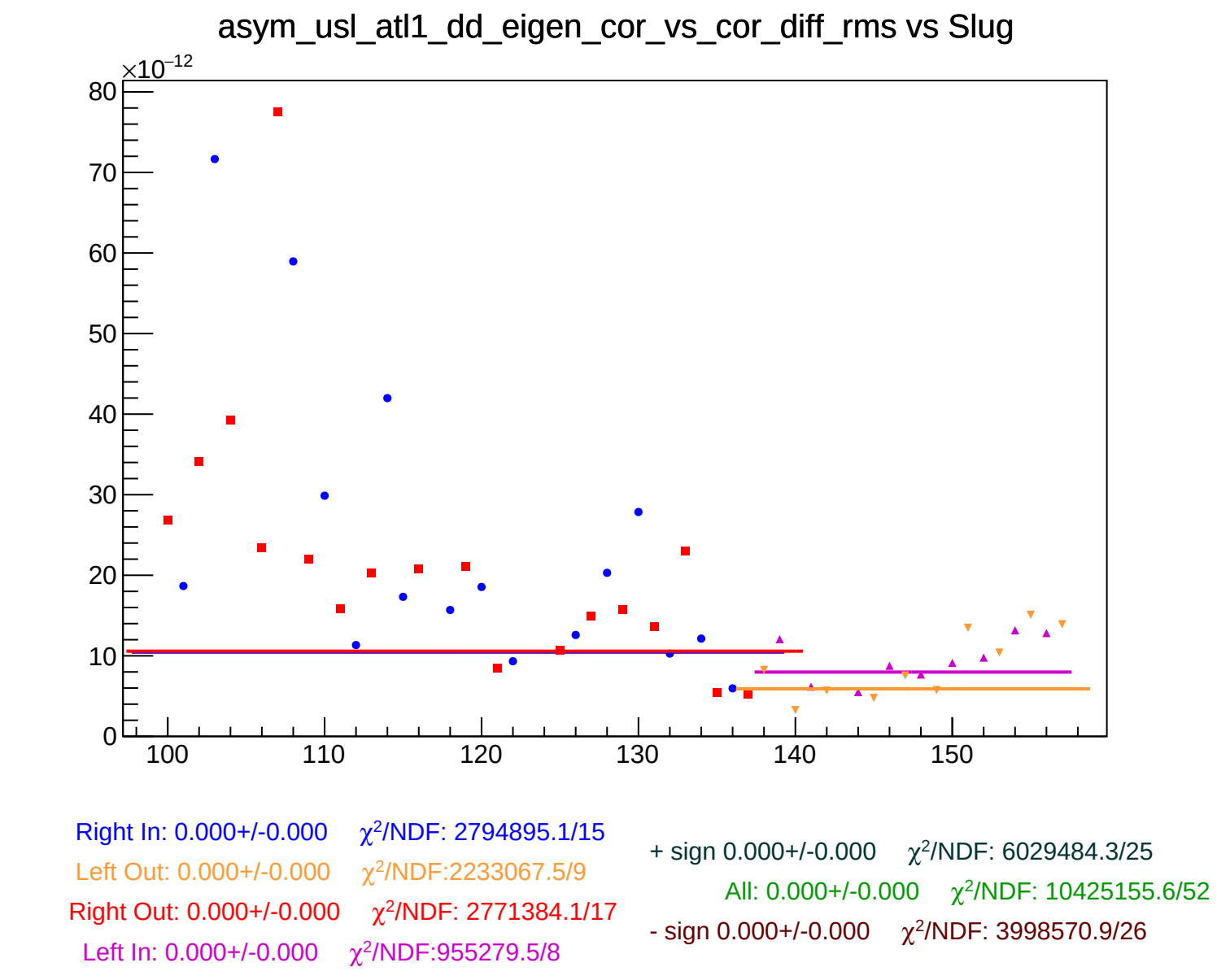
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/8

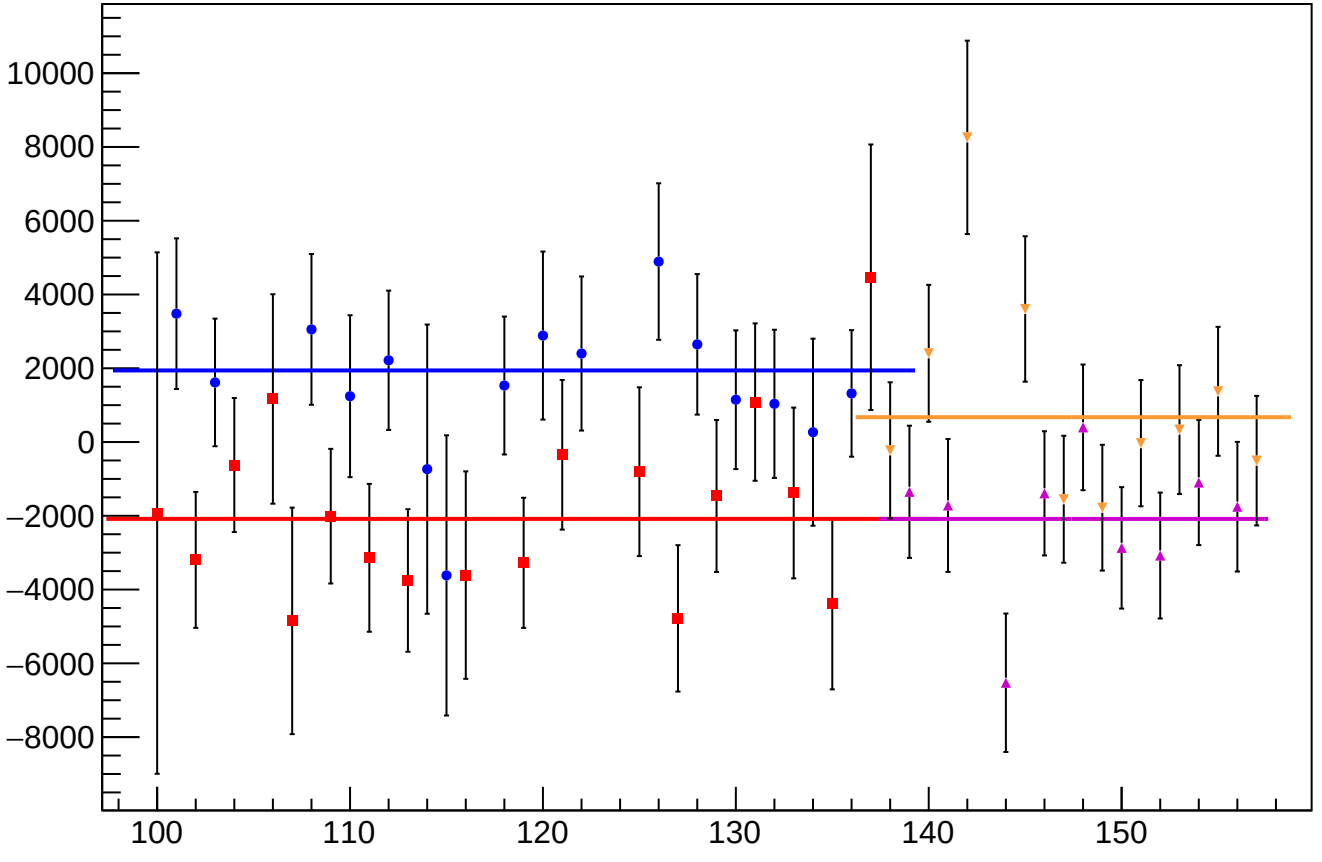
+ sign 0.000+/-0.000 χ^2/NDF: 20.4/25

All: 0.000+/-0.000 χ^2/NDF: 46.8/52

- sign -0.000+/-0.000 χ^2/NDF: 25.2/26


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2233067.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:955279.5/8
+ sign 0.000+/-0.000 χ²/NDF: 6029484.3/25
All: 0.000+/-0.000 χ²/NDF: 10425155.6/52
- sign 0.000+/-0.000 χ²/NDF: 3998570.9/26

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.197+/-578.412 χ^2/NDF:16.3/9

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

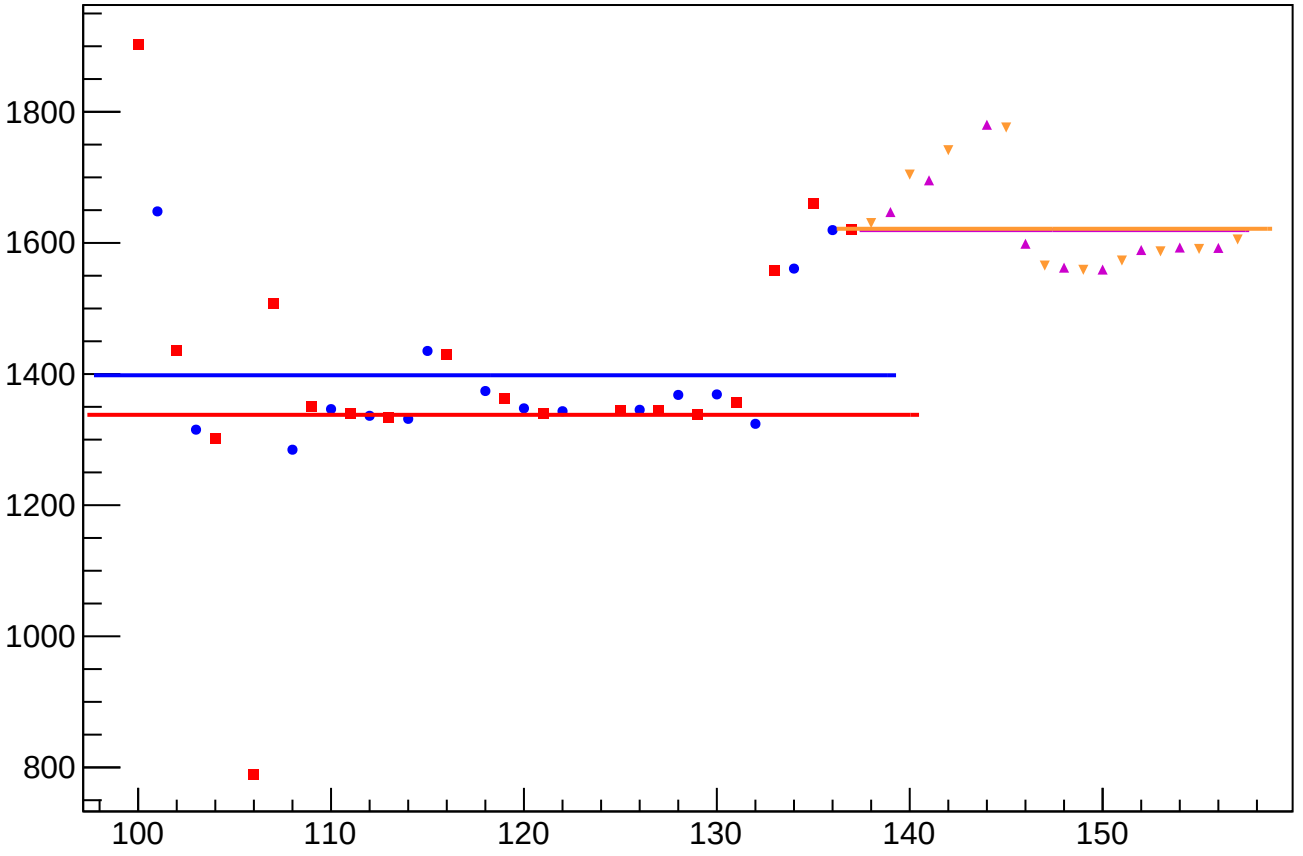
Left In: -2084.600+/-578.878 χ^2/NDF:9.0/8

+ sign 1371.699+/-387.594 χ^2/NDF: 25.8/25

All: -360.396+/-273.743 χ^2/NDF: 89.2/52

- sign -2084.241+/-386.670 χ^2/NDF: 23.5/26

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

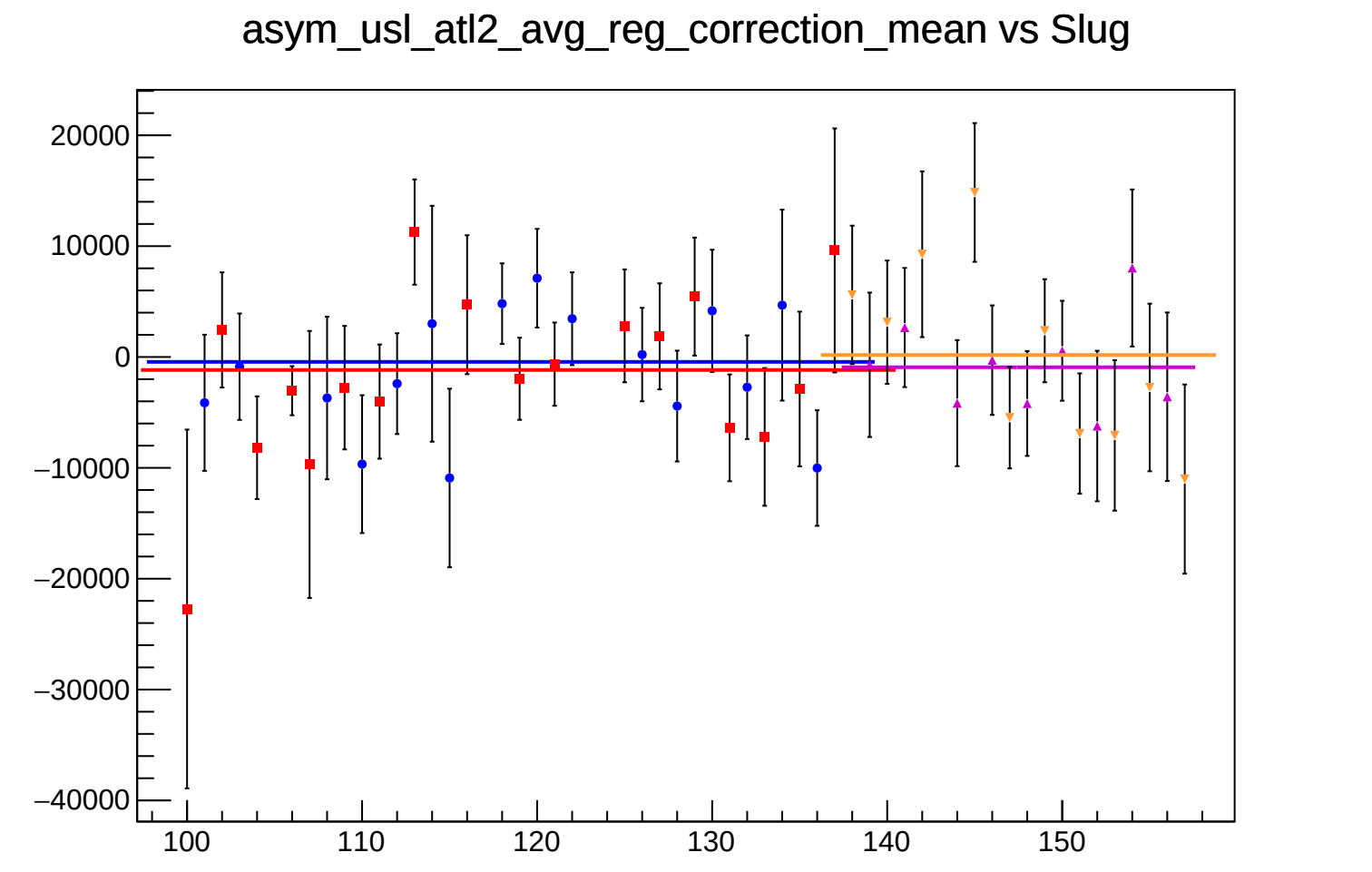
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1619.562+/-0.409 χ^2/NDF:25528.5/8

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.7/25

All: 1478.409+/-0.192 χ^2/NDF: 910459.4/52

- sign 1459.117+/-0.269 χ^2/NDF: 613087.8/26



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 184.367+/-1882.354 χ^2/NDF:14.5/9

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

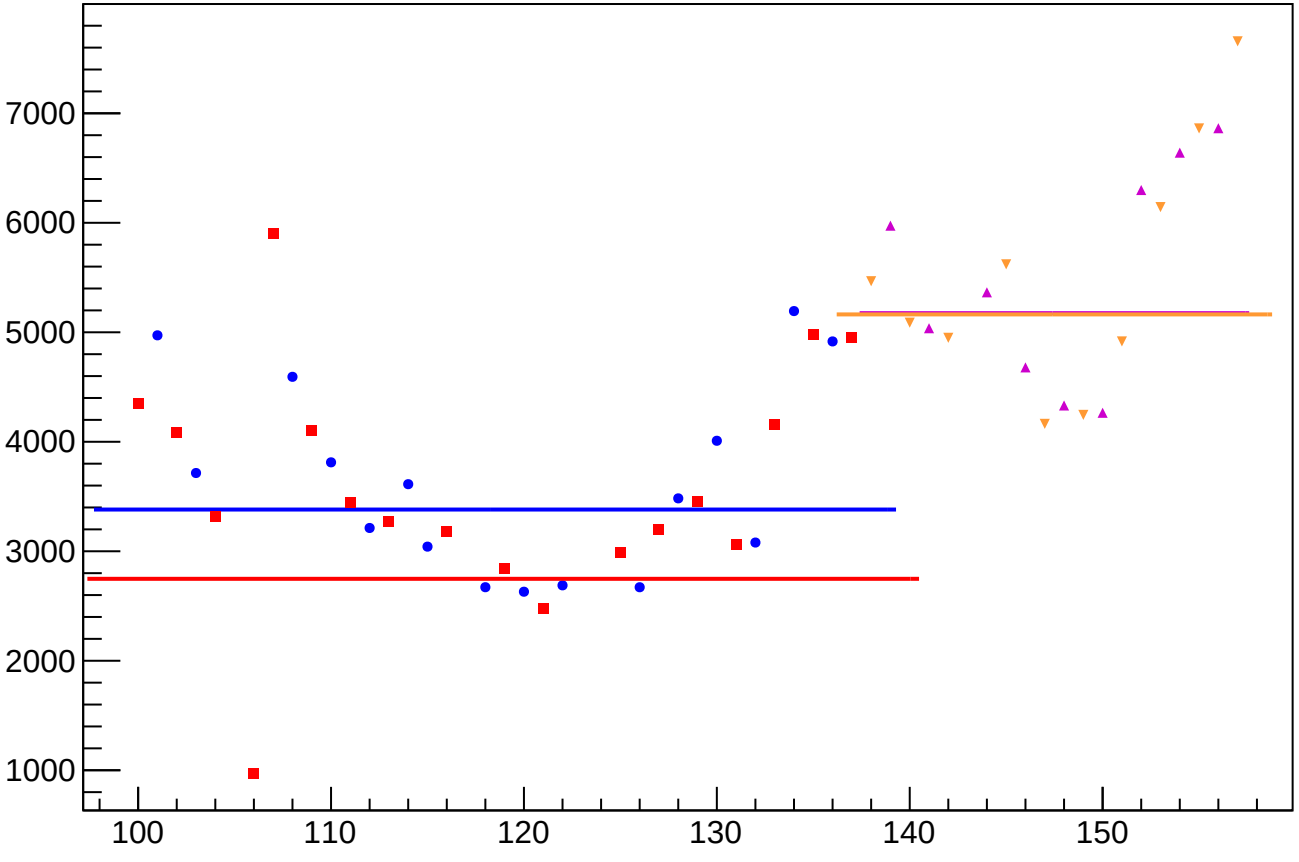
Left In: -926.187+/-1880.069 χ^2/NDF:3.7/8

\+ sign -240.000+/-1067.413 χ^2/NDF: 30.4/25

All: -718.514+/-714.661 χ^2/NDF: 54.2/52

\- sign -1107.290+/-962.133 χ^2/NDF: 23.4/26

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5163.274+/-1.331 χ^2/NDF:508286.8/9

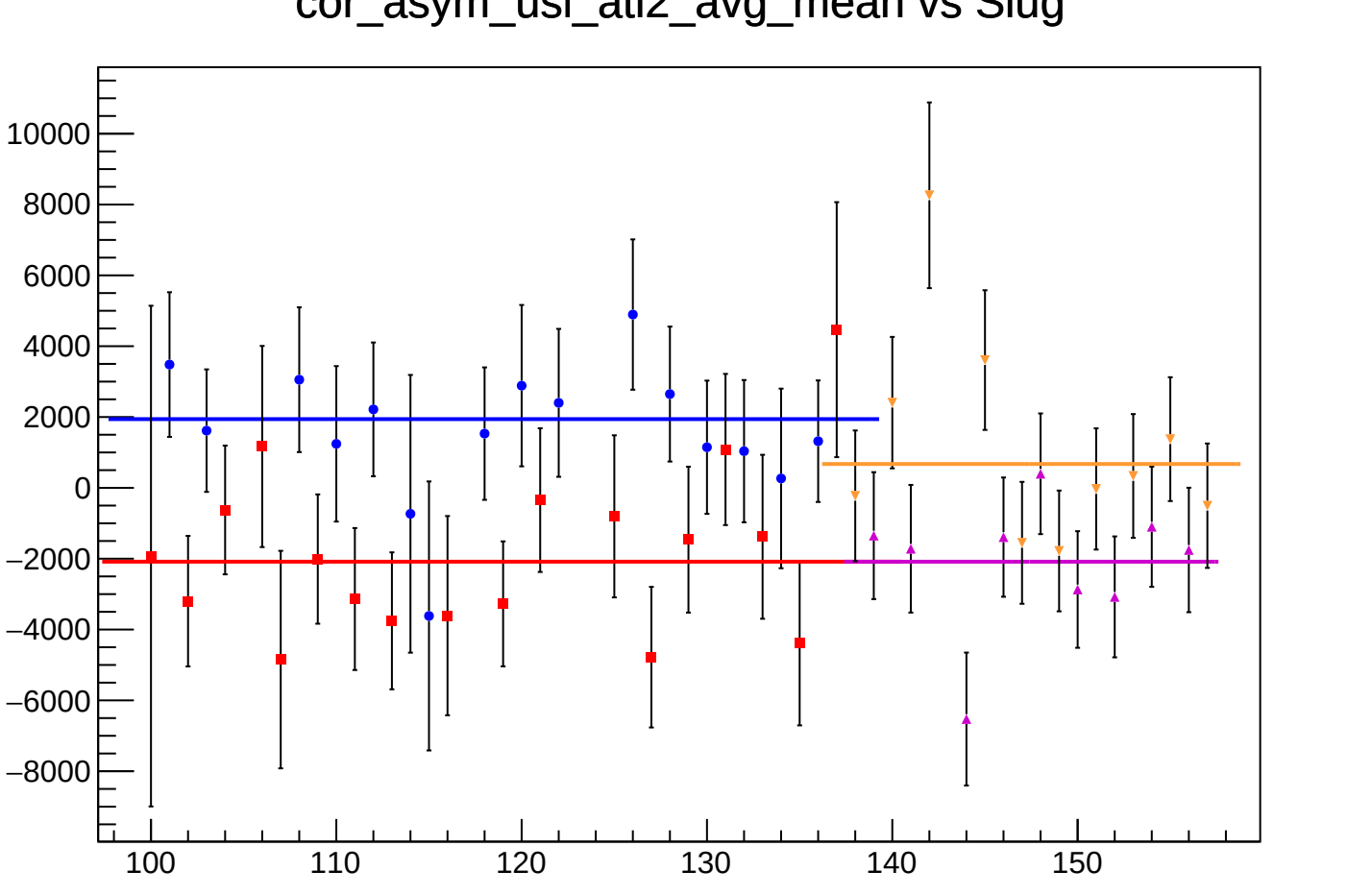
Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5174.976+/-1.329 χ^2/NDF:438072.8/8

+ sign 3954.188+/-0.755 χ^2/NDF: 2481705.0/25

All: 3639.530+/-0.505 χ^2/NDF: 7958577.1/52

- sign 3383.881+/-0.680 χ^2/NDF: 5161870.2/26



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.299+/-578.412 χ^2/NDF:16.3/9

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

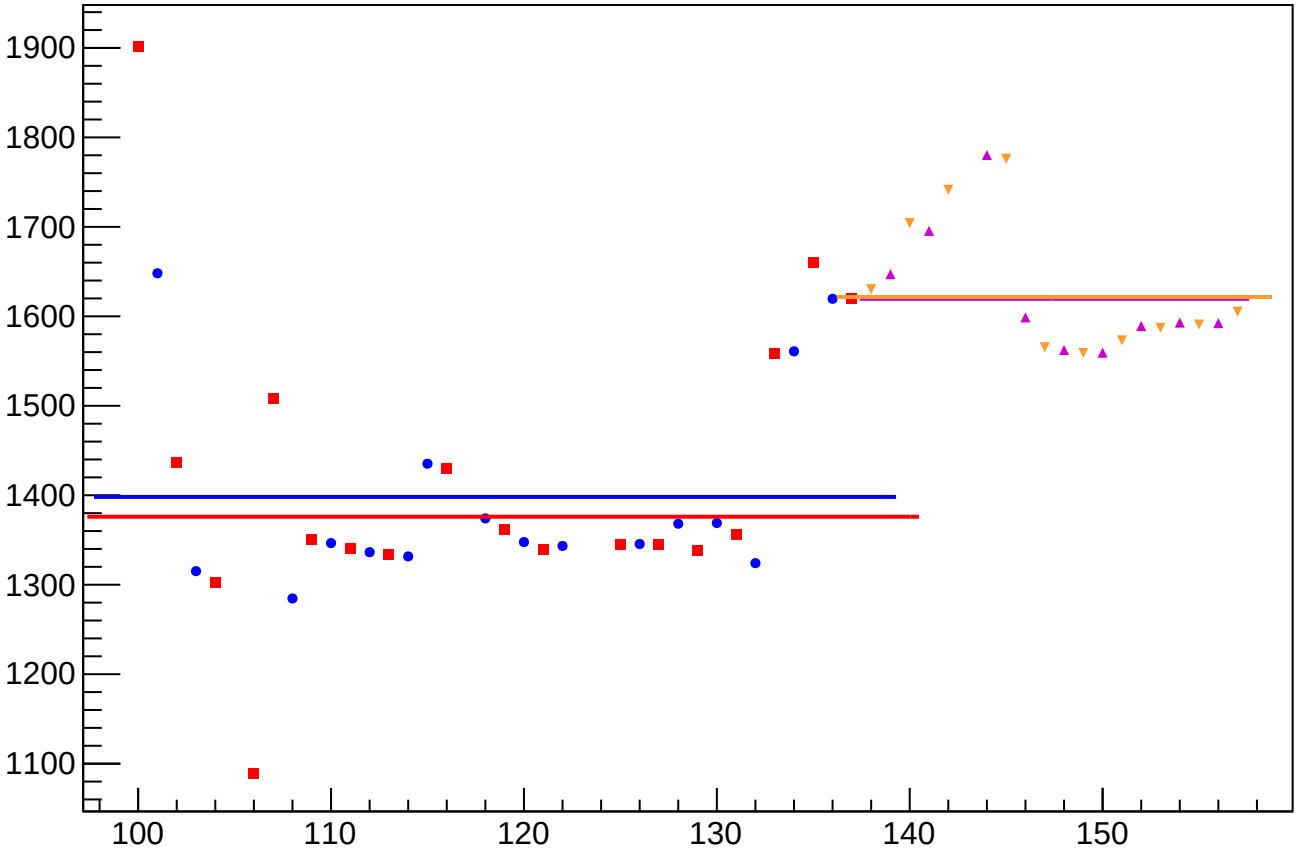
Left In: -2084.741+/-578.878 χ^2/NDF:9.0/8

+ sign 1371.776+/-387.594 χ^2/NDF: 25.8/25

All: -360.443+/-273.744 χ^2/NDF: 89.2/52

- sign -2084.423+/-386.672 χ^2/NDF: 23.5/26

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

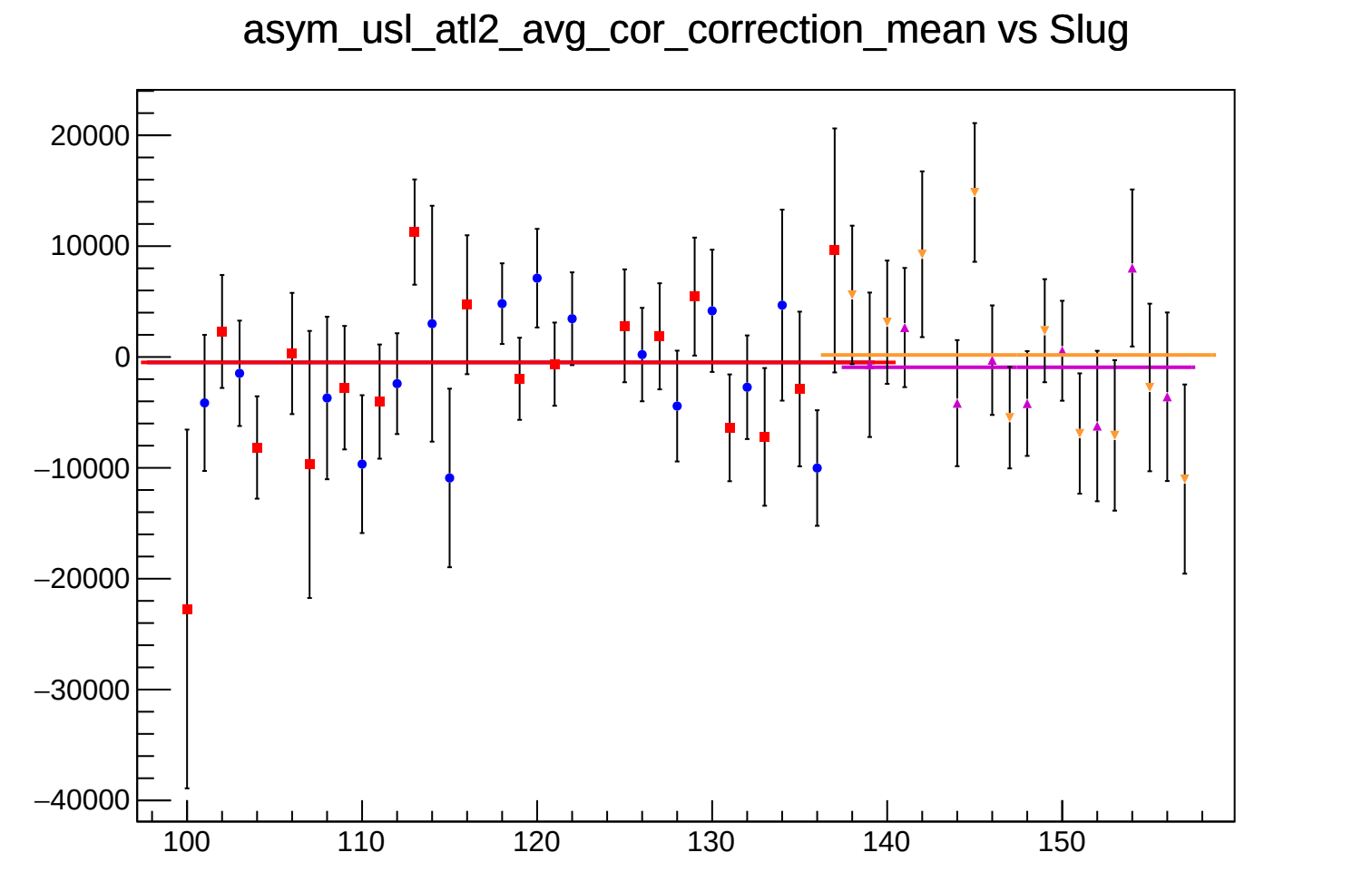
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1619.562+/-0.409 χ^2/NDF:25528.5/8

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.9/25

All: 1490.711+/-0.193 χ^2/NDF: 626389.1/52

- sign 1483.076+/-0.271 χ^2/NDF: 337950.6/26



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 184.344+/-1882.355 χ^2/NDF:14.5/9

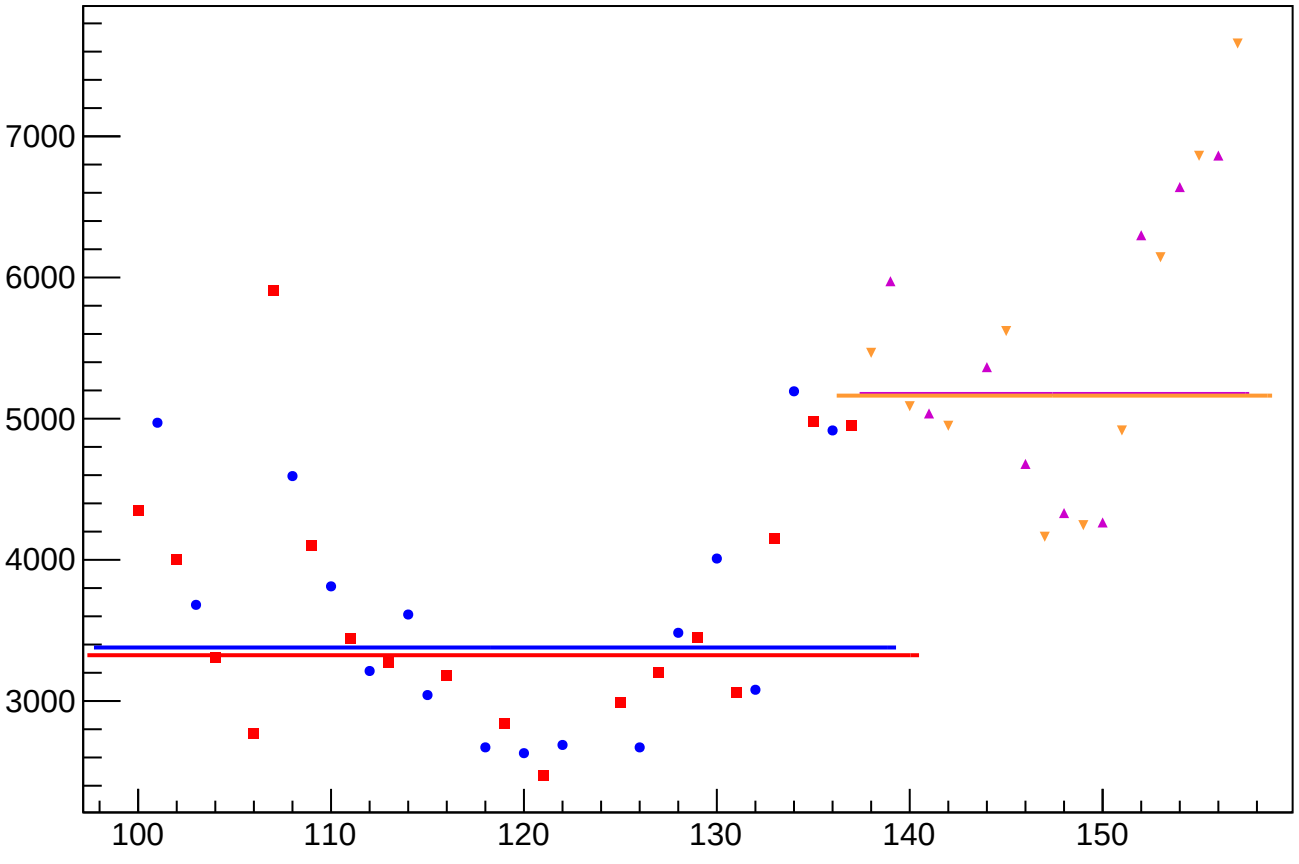
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -926.316+/-1880.068 χ^2/NDF:3.7/8

+ sign -271.049+/-1066.862 χ^2/NDF: 30.5/25

All: -451.001+/-747.421 χ^2/NDF: 53.0/52

- sign -624.458+/-1047.432 χ^2/NDF: 22.5/26



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

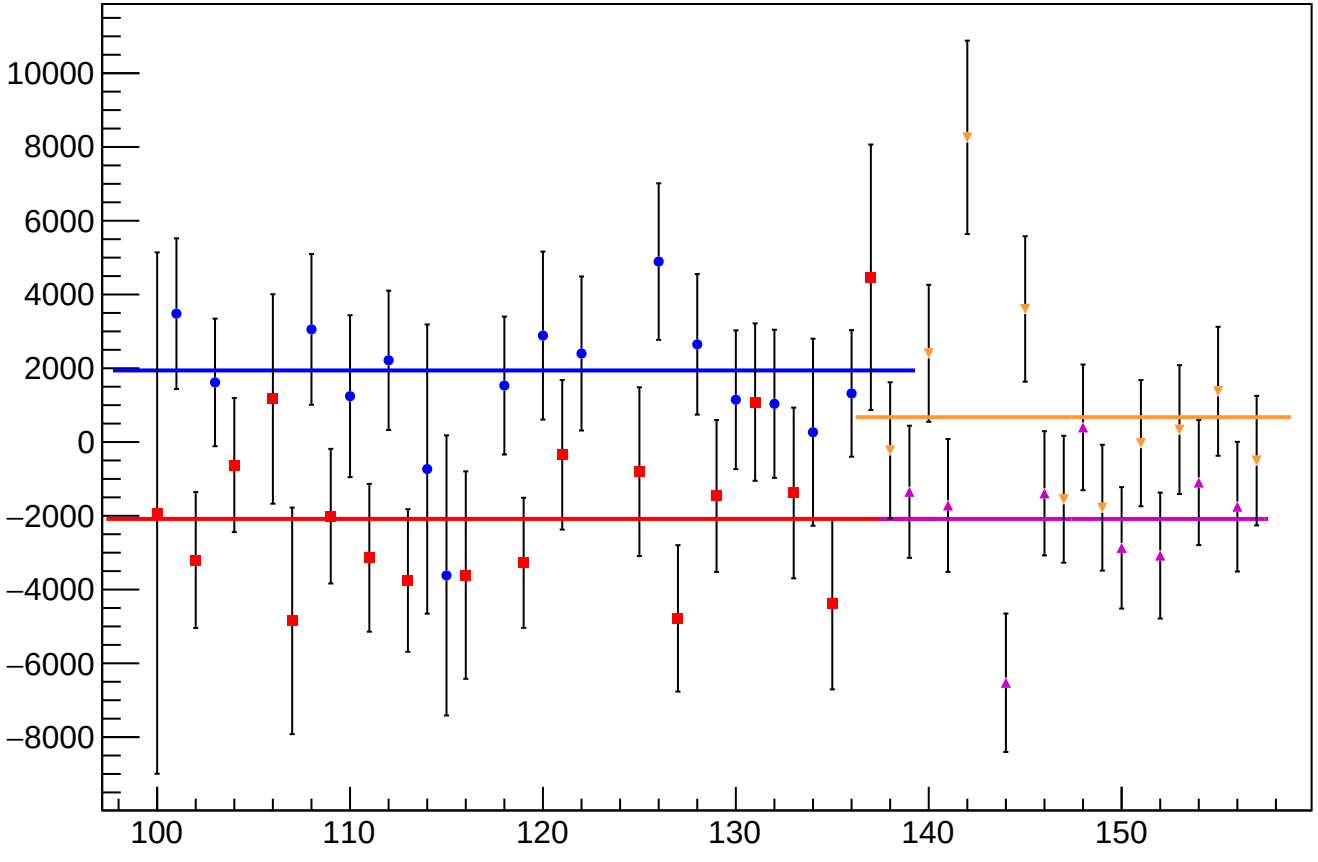
Left In: 5174.971+/-1.329 χ^2/NDF:438076.9/8

+ sign 3952.235+/-0.754 χ^2/NDF: 2483236.1/25

All: 3925.041+/-0.529 χ^2/NDF: 4803892.0/52

- sign 3898.829+/-0.741 χ^2/NDF: 2318104.0/26

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 673.299+/-578.412 χ^2/NDF:16.3/9

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

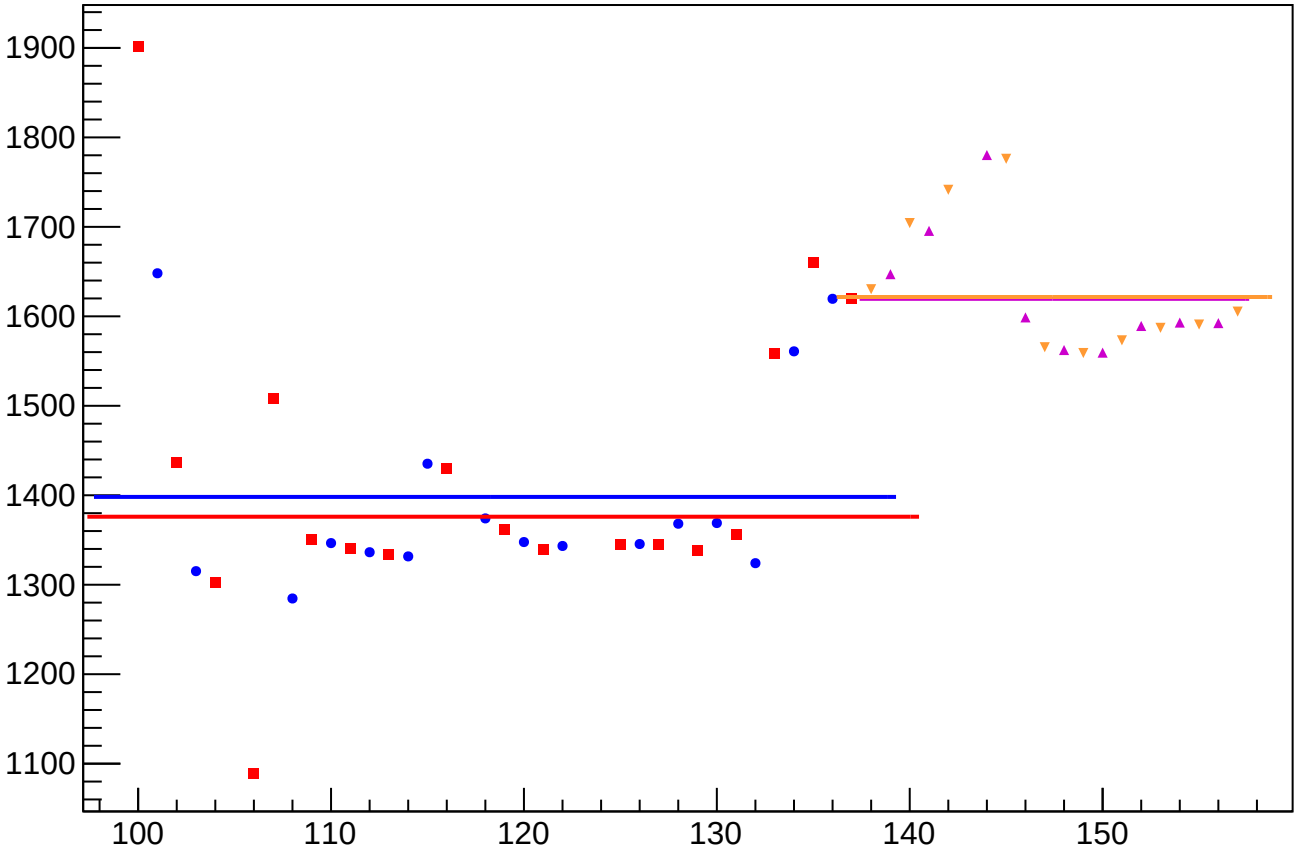
Left In: -2084.741+/-578.878 χ^2/NDF:9.0/8

+ sign 1371.776+/-387.594 χ^2/NDF: 25.8/25

All: -360.443+/-273.744 χ^2/NDF: 89.2/52

- sign -2084.423+/-386.672 χ^2/NDF: 23.5/26

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1621.611+/-0.409 χ^2/NDF:28463.5/9

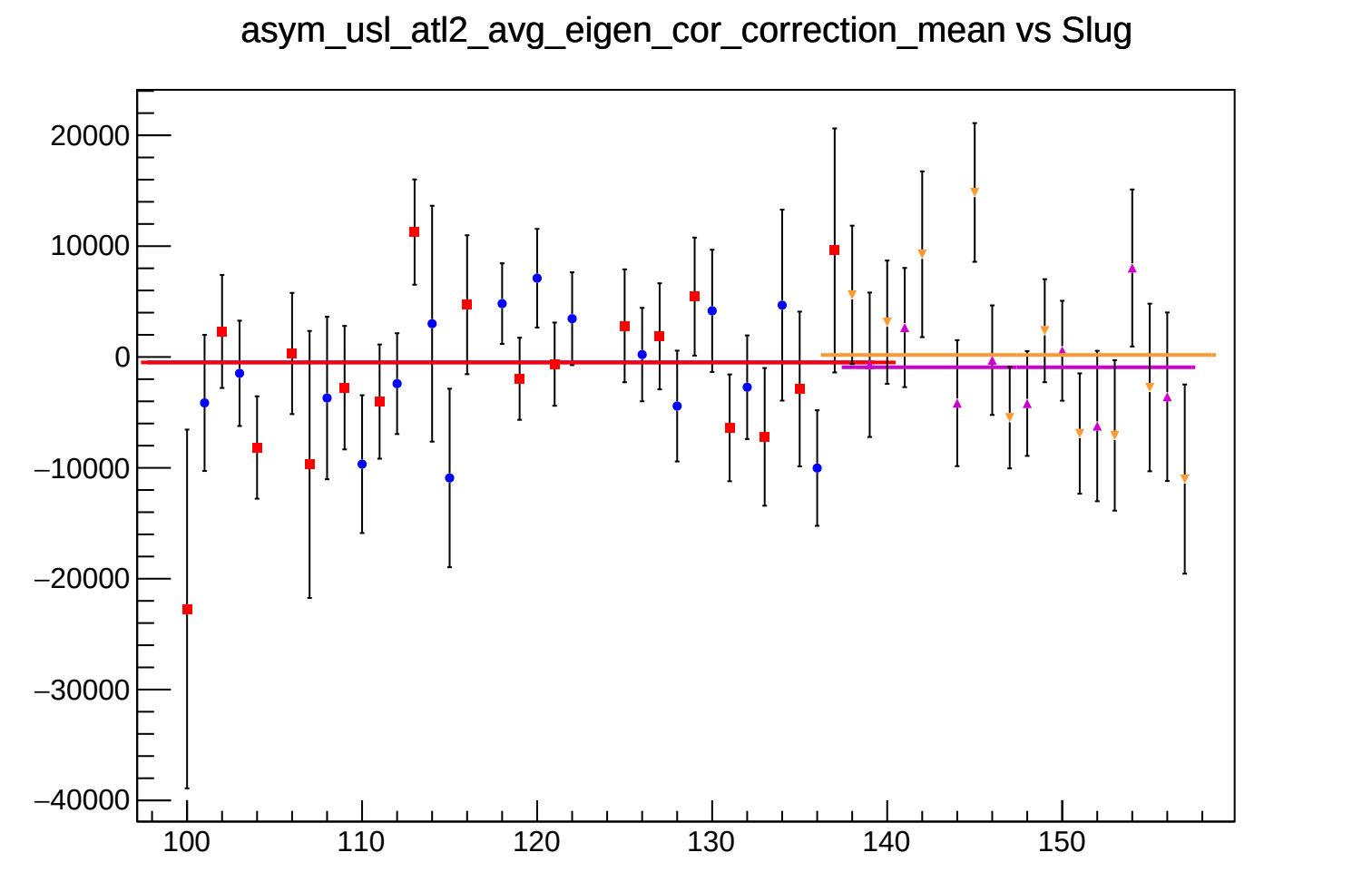
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1619.562+/-0.409 χ^2/NDF:25528.5/8

+ sign 1498.498+/-0.274 χ^2/NDF: 286839.9/25

All: 1490.711+/-0.193 χ^2/NDF: 626389.1/52

- sign 1483.076+/-0.271 χ^2/NDF: 337950.6/26



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 184.344+/-1882.355 χ^2/NDF:14.5/9

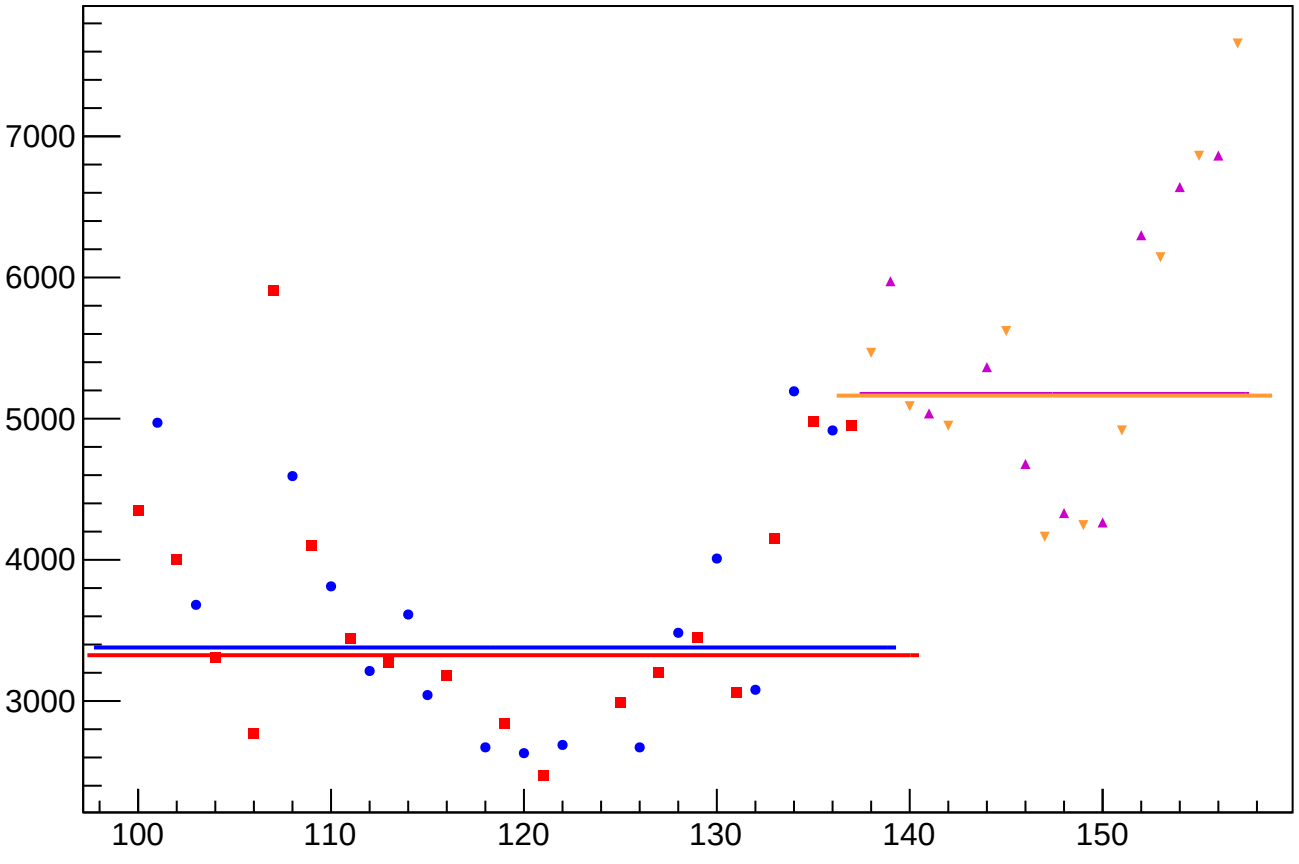
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -926.316+/-1880.068 χ^2/NDF:3.7/8

+ sign -271.049+/-1066.862 χ^2/NDF: 30.5/25

All: -451.001+/-747.421 χ^2/NDF: 53.0/52

- sign -624.458+/-1047.432 χ^2/NDF: 22.5/26



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5163.276+/-1.331 χ^2/NDF:508285.3/9

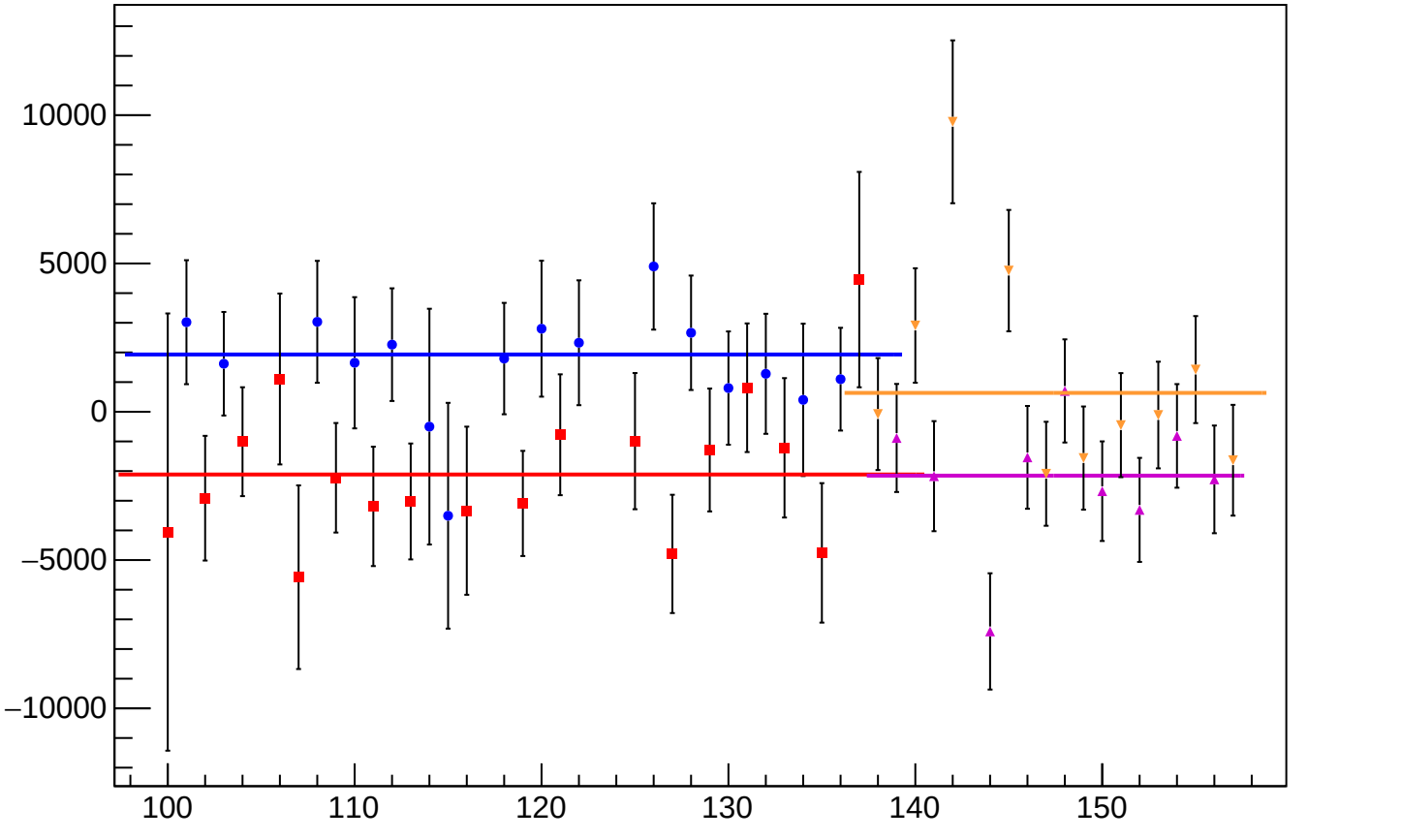
Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5174.971+/-1.329 χ^2/NDF:438076.9/8

+ sign 3952.235+/-0.754 χ^2/NDF: 2483236.1/25

All: 3925.041+/-0.529 χ^2/NDF: 4803892.0/52

- sign 3898.829+/-0.741 χ^2/NDF: 2318104.0/26



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.143+/-597.143 χ^2/NDF:22.9/9

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

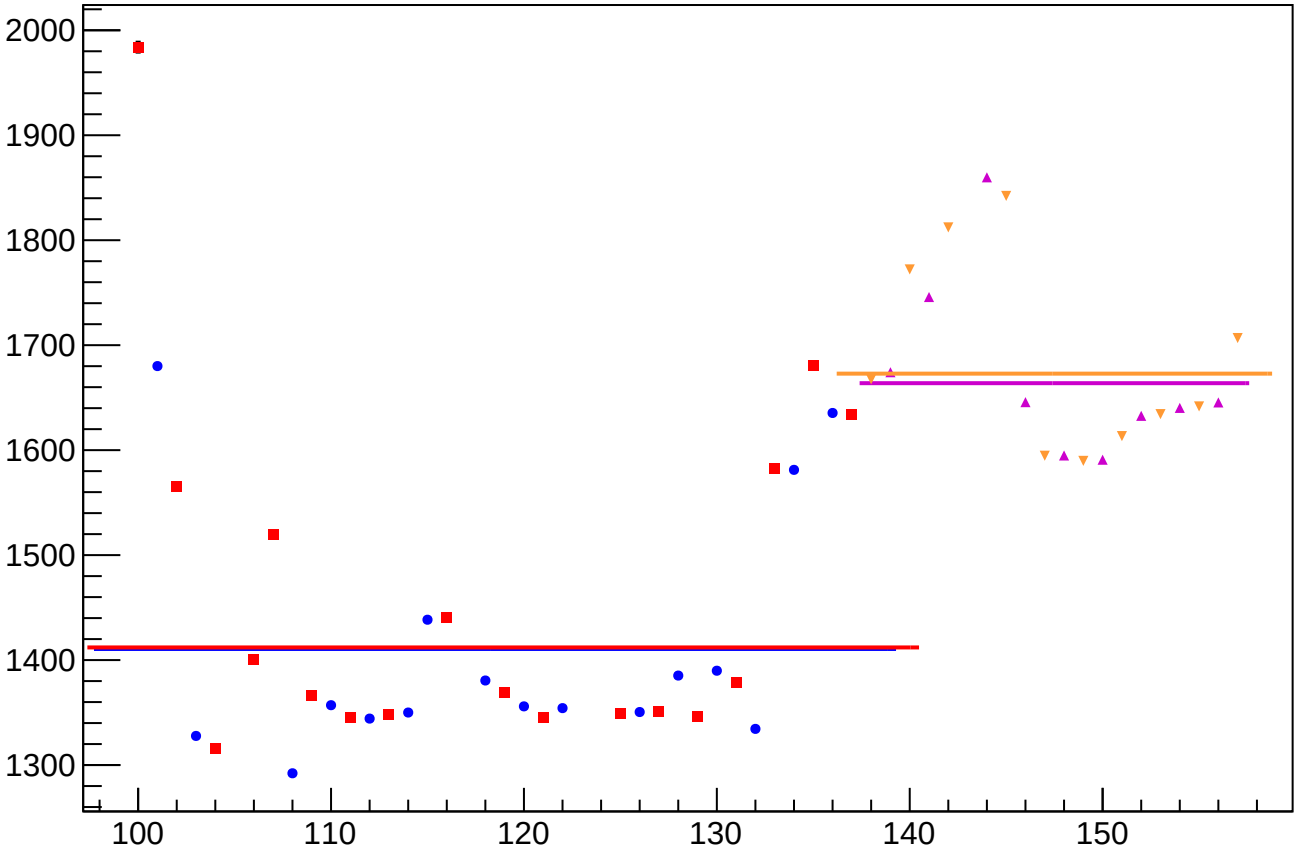
Left In: -2153.863+/-594.859 χ^2/NDF:11.6/8

+ sign 1364.190+/-395.186 χ^2/NDF: 31.9/25

All: -383.889+/-279.450 χ^2/NDF: 95.9/52

- sign -2132.263+/-395.219 χ^2/NDF: 24.8/26

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.889+/-0.422 χ^2/NDF:37182.3/9

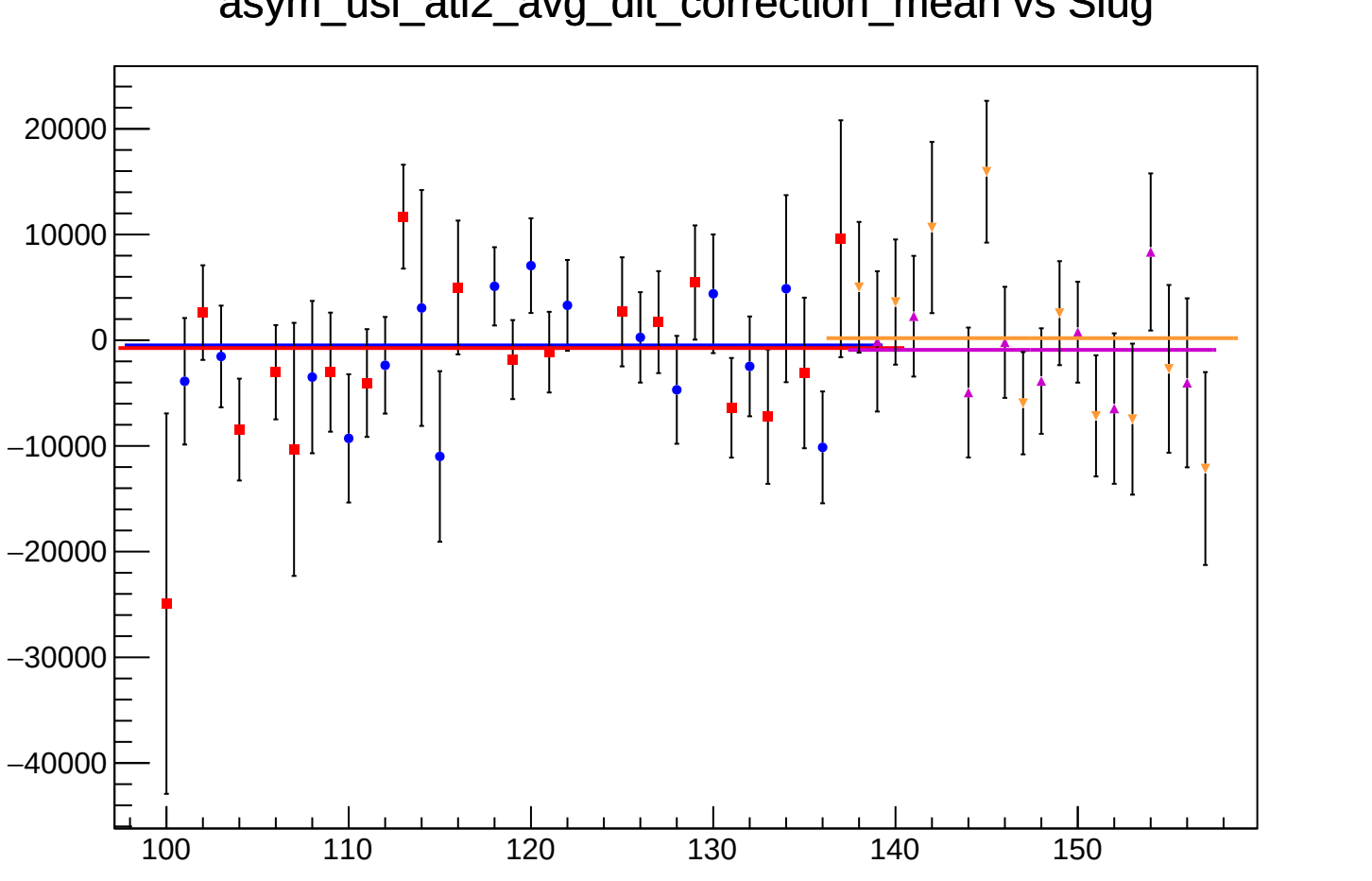
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1663.799+/-0.421 χ^2/NDF:32317.1/8

+ sign 1525.473+/-0.279 χ^2/NDF: 353206.4/25

All: 1524.156+/-0.197 χ^2/NDF: 675838.3/52

- sign 1522.843+/-0.279 χ^2/NDF: 322587.5/26



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 196.329+/-1983.945 χ^2/NDF:14.7/9

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

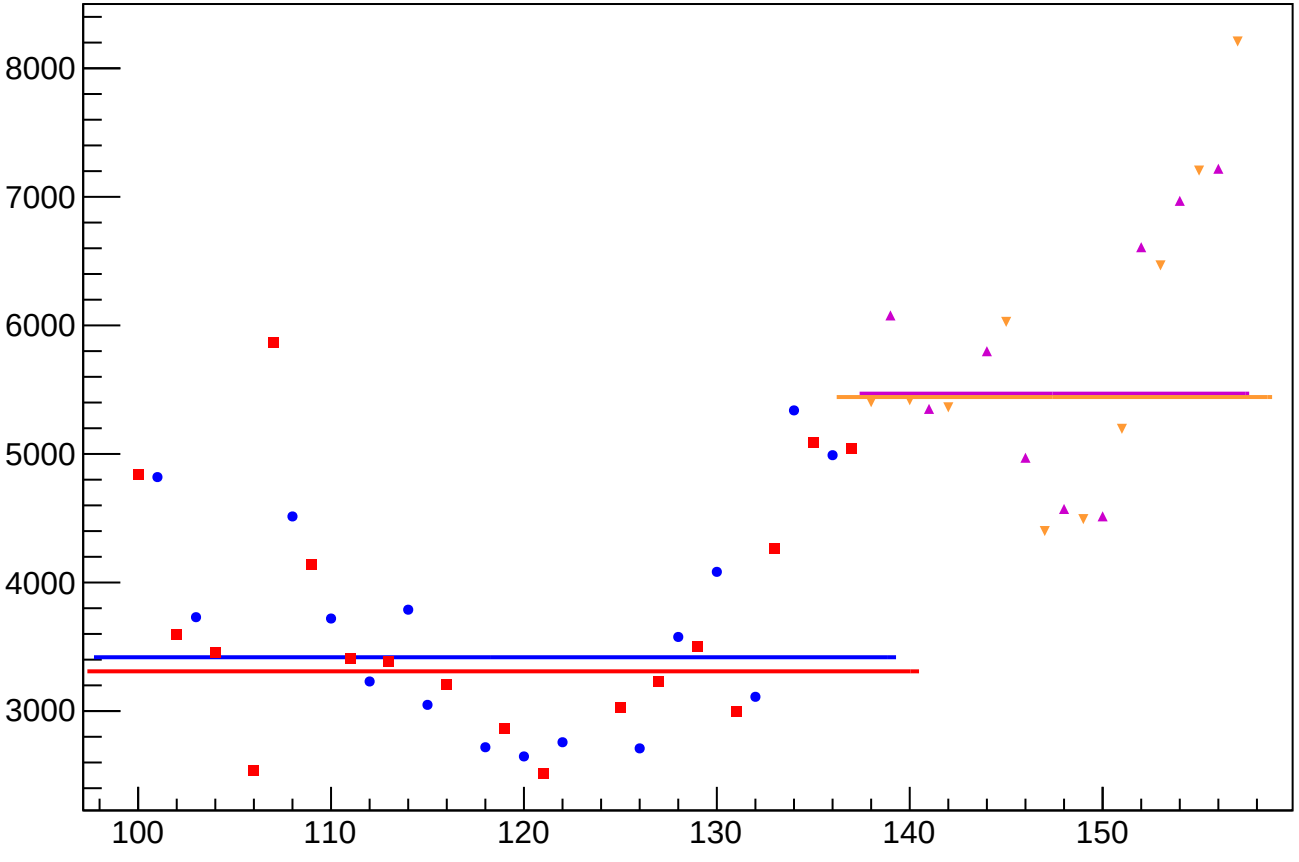
Left In: -914.180+/-1985.622 χ^2/NDF:3.6/8

+ sign -281.490+/-1092.427 χ^2/NDF: 30.6/25

All: -544.089+/-759.477 χ^2/NDF: 53.5/52

- sign -789.744+/-1056.596 χ^2/NDF: 22.8/26

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5442.736+/-1.403 χ^2/NDF:509920.6/9

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

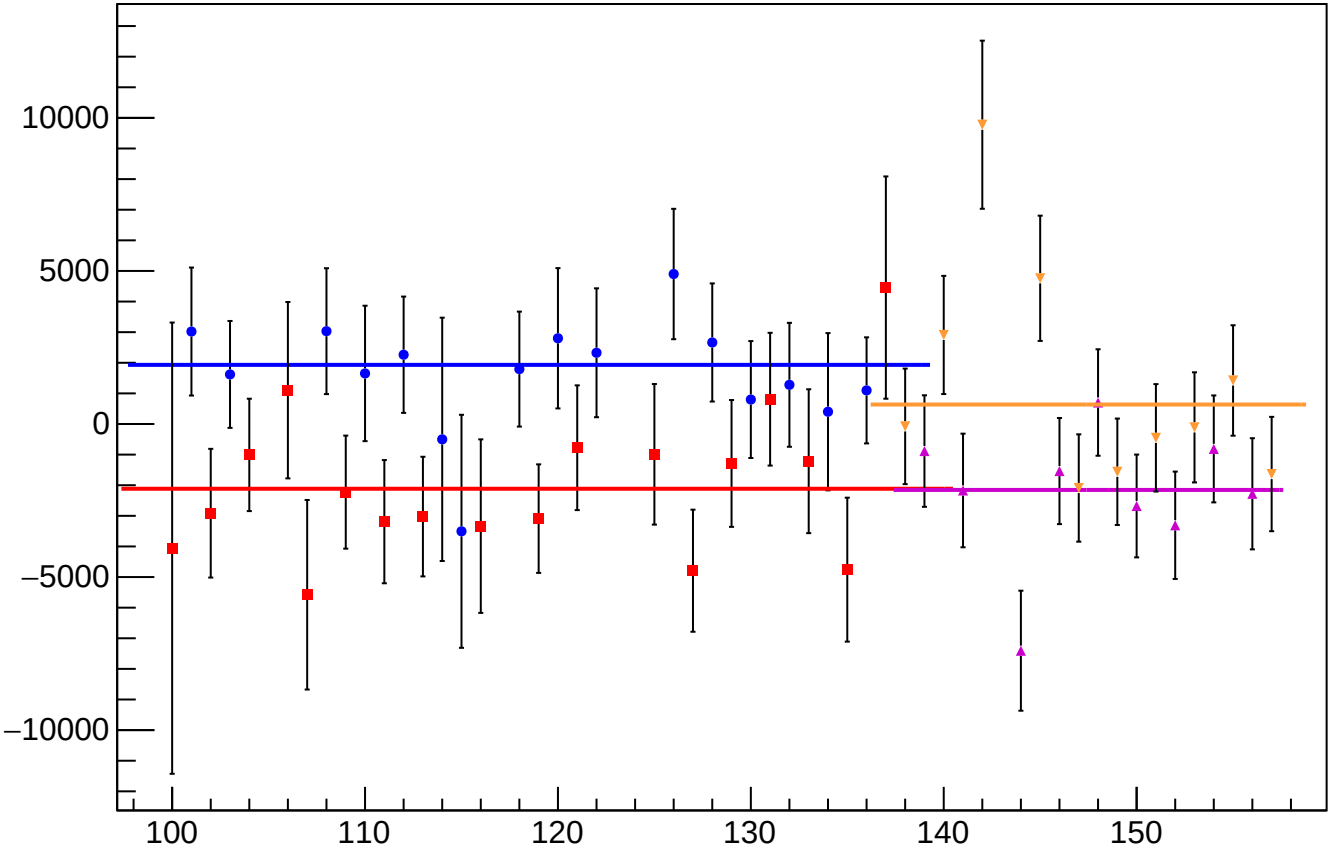
Left In: 5469.059+/-1.404 χ^2/NDF:414462.4/8

+ sign 4032.382+/-0.772 χ^2/NDF: 2681631.5/25

All: 3974.686+/-0.537 χ^2/NDF: 5375309.0/52

- sign 3920.712+/-0.747 χ^2/NDF: 2682879.8/26

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 636.142+/-597.143 χ^2/NDF:22.9/9

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

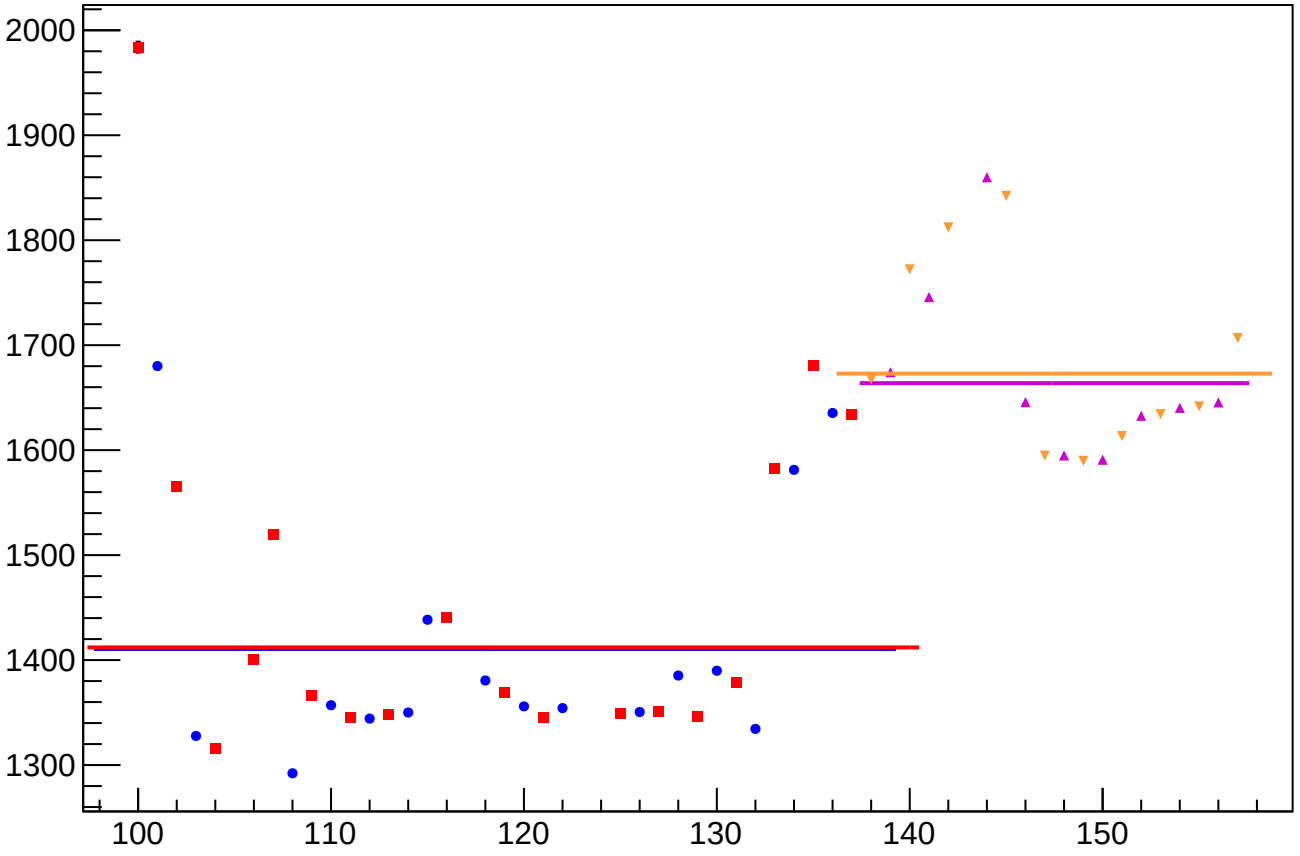
Left In: -2153.864+/-594.859 χ^2/NDF:11.6/8

+ sign 1364.191+/-395.186 χ^2/NDF: 31.9/25

All: -383.889+/-279.450 χ^2/NDF: 95.9/52

- sign -2132.264+/-395.219 χ^2/NDF: 24.8/26

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.890+/-0.422 χ^2/NDF:37183.1/9

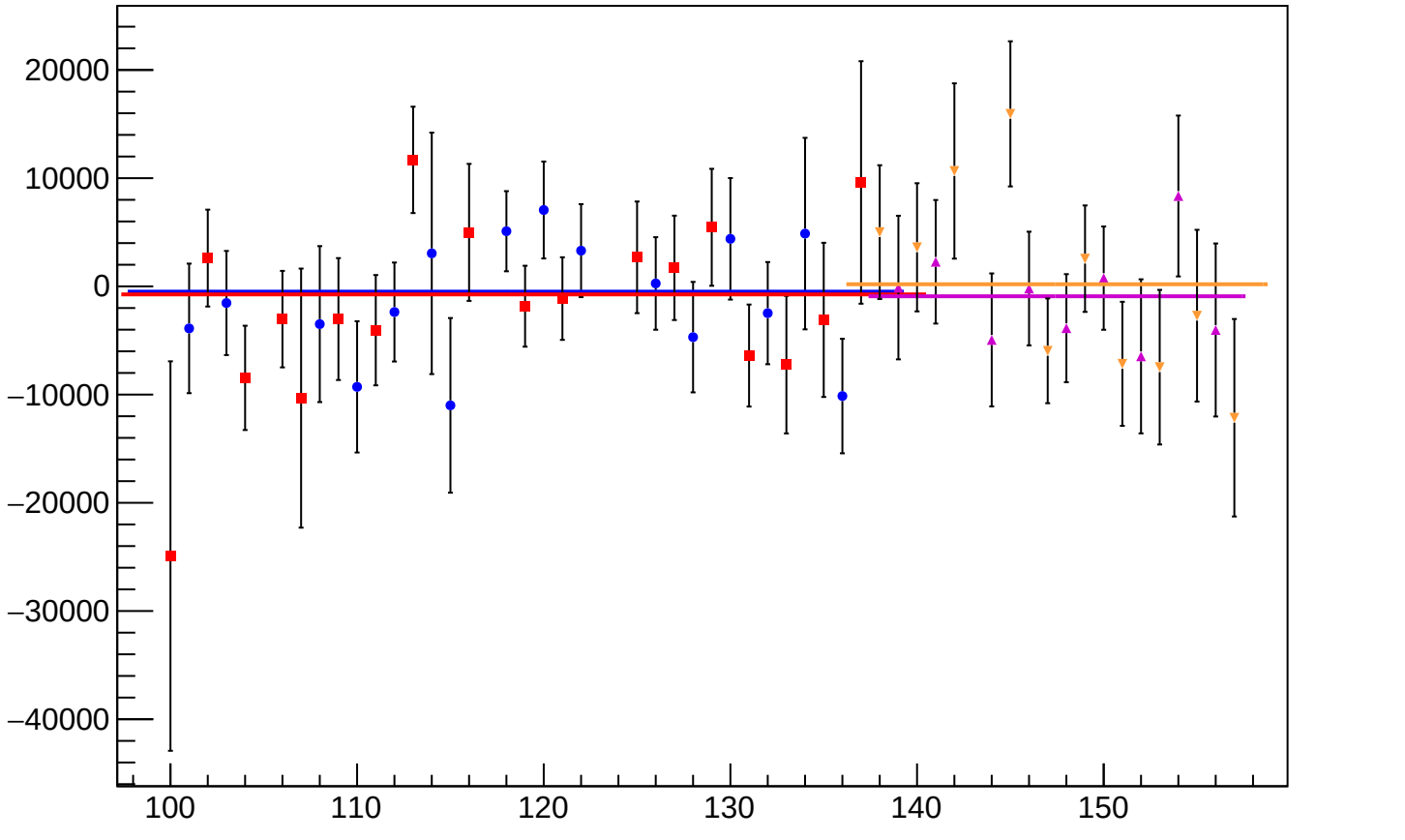
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1663.801+/-0.421 χ^2/NDF:32317.5/8

+ sign 1525.473+/-0.279 χ^2/NDF: 353209.1/25

All: 1524.157+/-0.197 χ^2/NDF: 675843.7/52

- sign 1522.844+/-0.279 χ^2/NDF: 322590.2/26



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 196.322+/-1983.948 χ^2/NDF:14.7/9

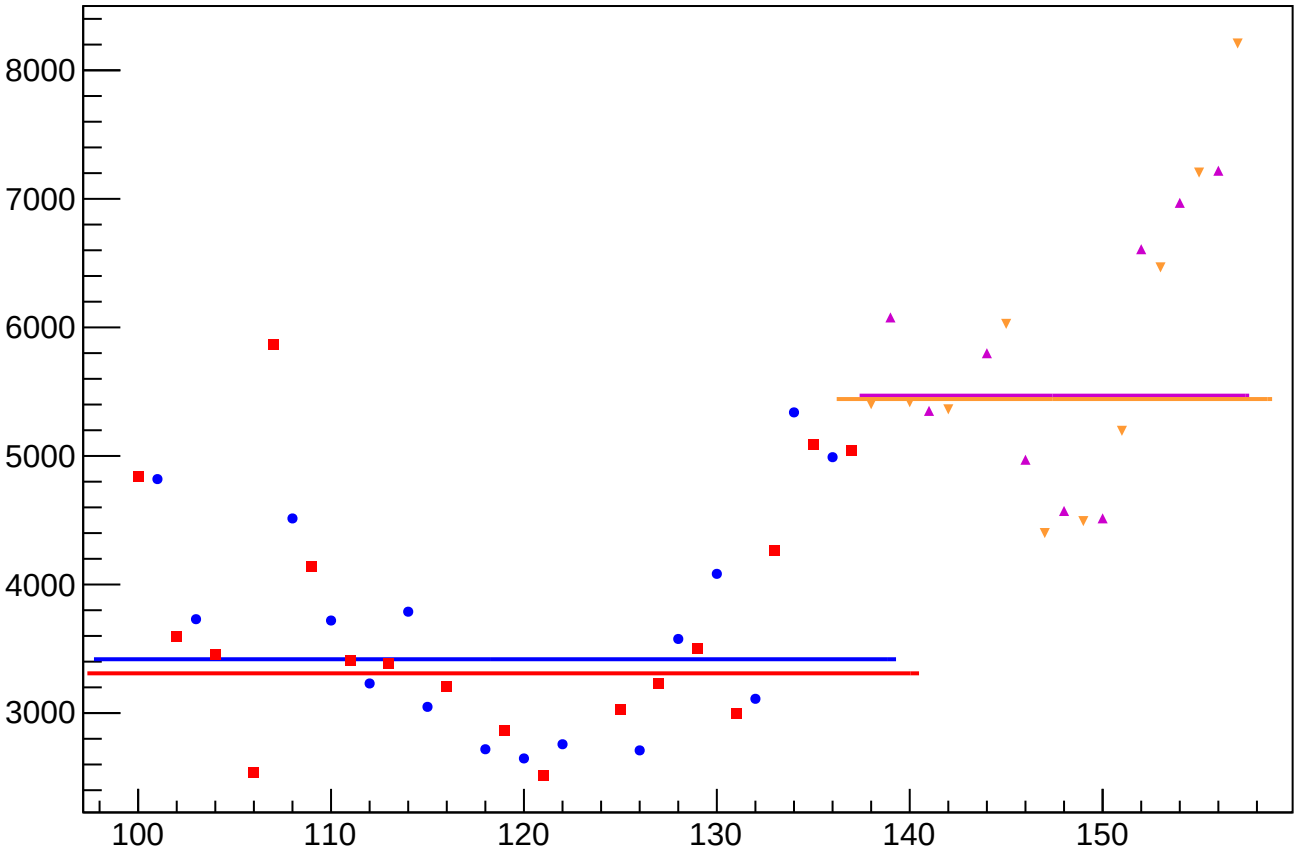
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -914.181+/-1985.625 χ^2/NDF:3.6/8

+ sign -281.489+/-1092.425 χ^2/NDF: 30.6/25

All: -544.089+/-759.476 χ^2/NDF: 53.5/52

- sign -789.746+/-1056.594 χ^2/NDF: 22.8/26



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5442.742+/-1.403 χ^2/NDF:509923.3/9

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

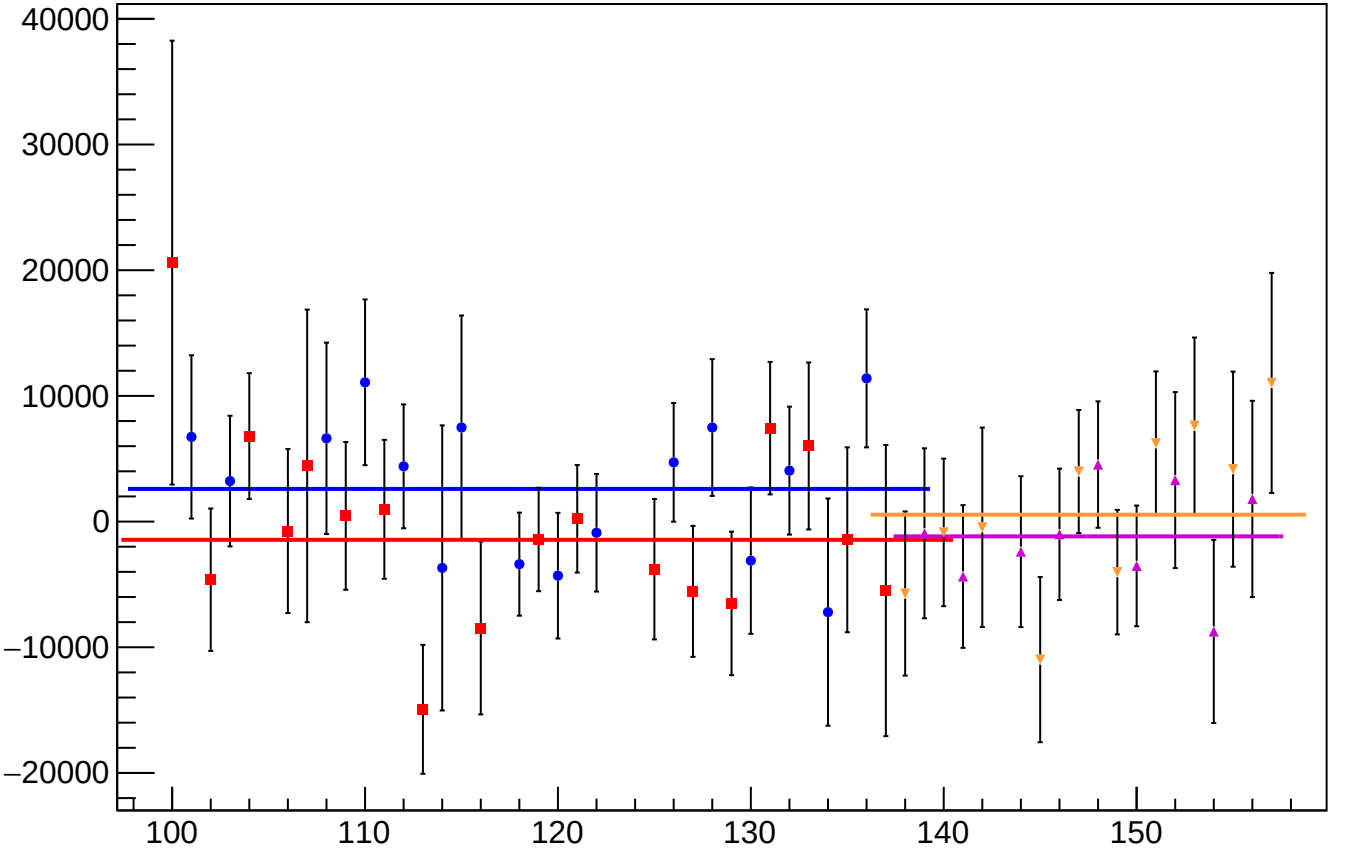
Left In: 5469.065+/-1.404 χ^2/NDF:414464.9/8

+ sign 4032.373+/-0.772 χ^2/NDF: 2681668.3/25

All: 3974.677+/-0.537 χ^2/NDF: 5375377.4/52

- sign 3920.703+/-0.747 χ^2/NDF: 2682911.5/26

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 550.293+/-1982.004 χ^2/NDF:9.1/9

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

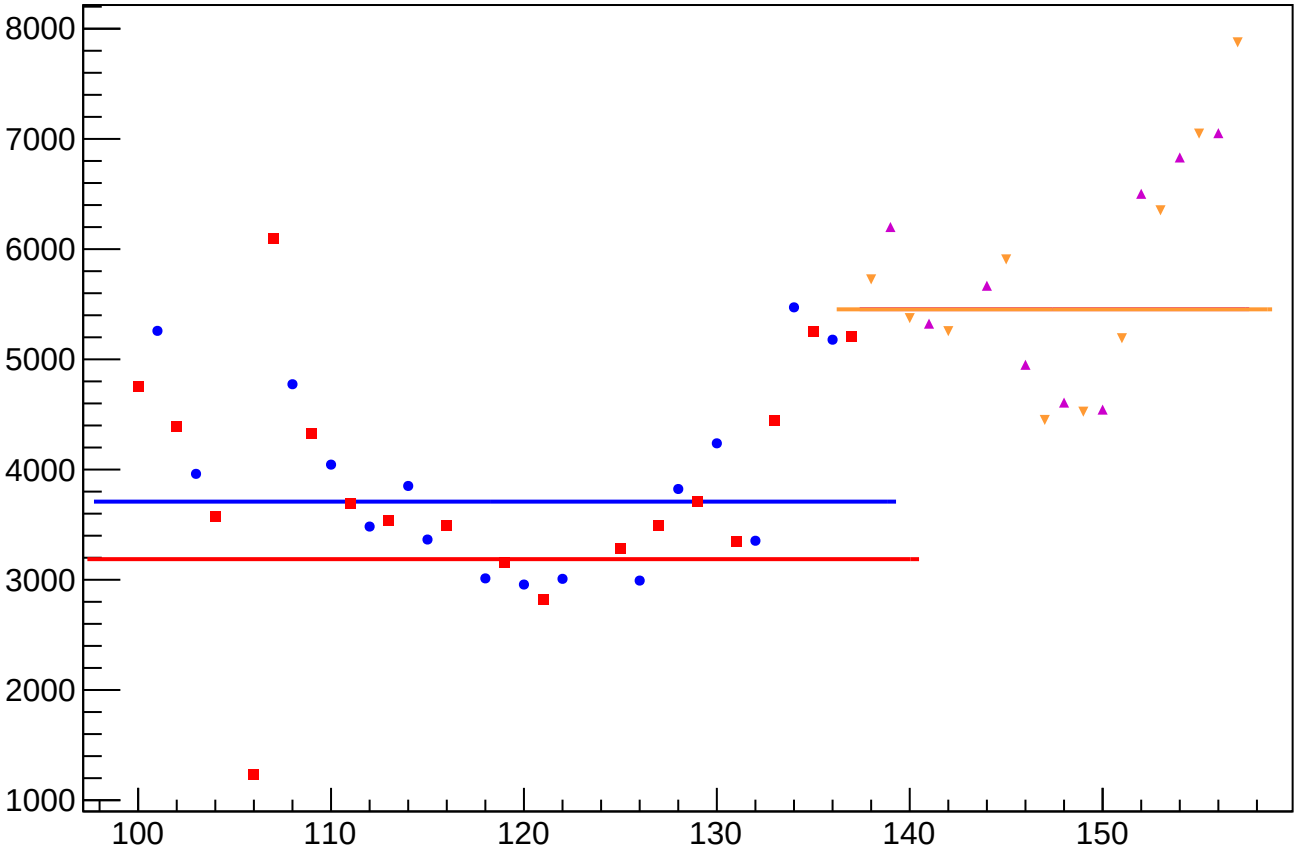
Left In: -1176.068+/-1977.048 χ^2/NDF:3.5/8

+ sign 1908.070+/-1151.360 χ^2/NDF: 23.3/25

All: 247.837+/-807.619 χ^2/NDF: 49.9/52

- sign -1360.293+/-1133.149 χ^2/NDF: 22.6/26

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5453.766+/-1.401 χ^2/NDF:443541.7/9

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

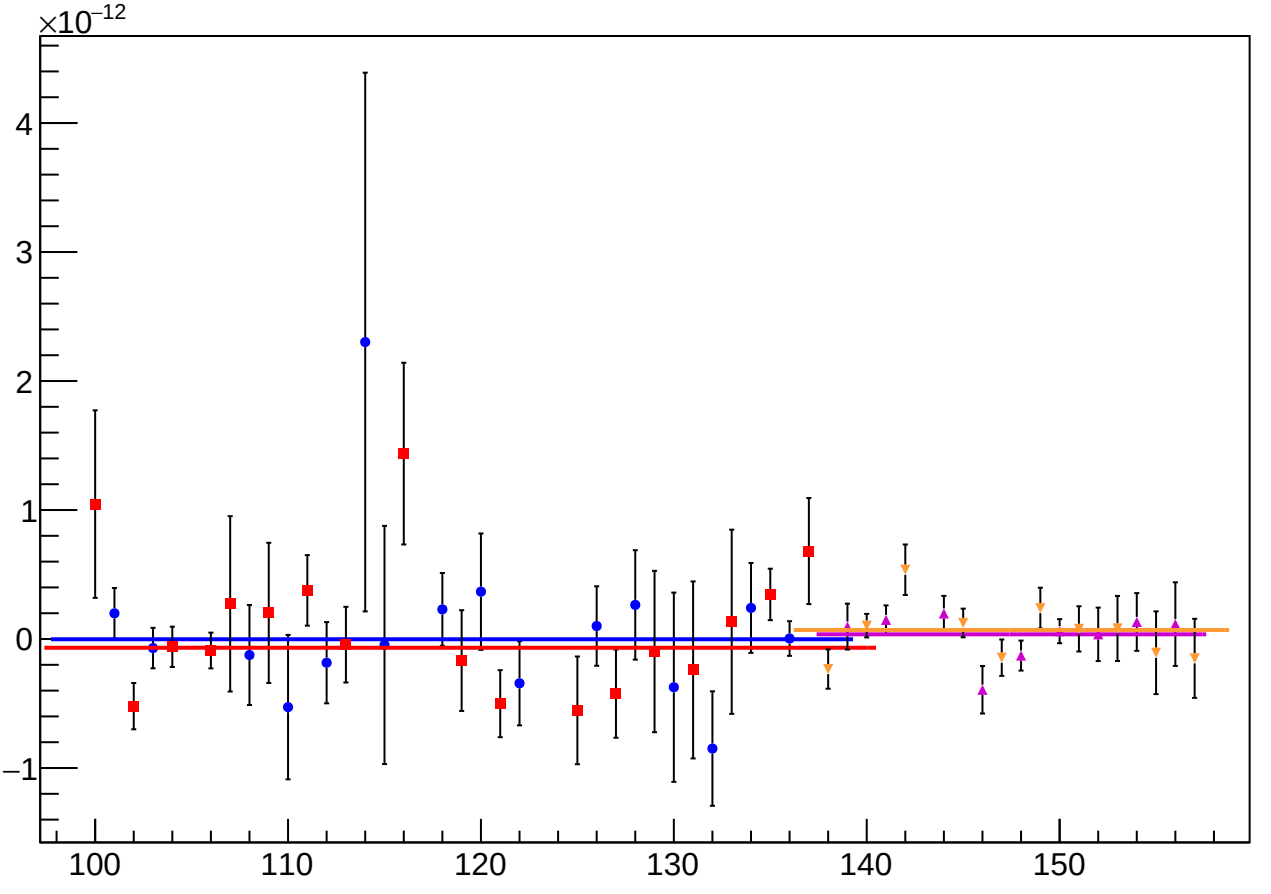
Left In: 5455.783+/-1.398 χ^2/NDF:375112.4/8

+ sign 4297.876+/-0.814 χ^2/NDF: 2080860.1/25

All: 4055.360+/-0.553 χ^2/NDF: 6098768.0/52

- sign 3847.291+/-0.754 χ^2/NDF: 3853043.8/26

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/9

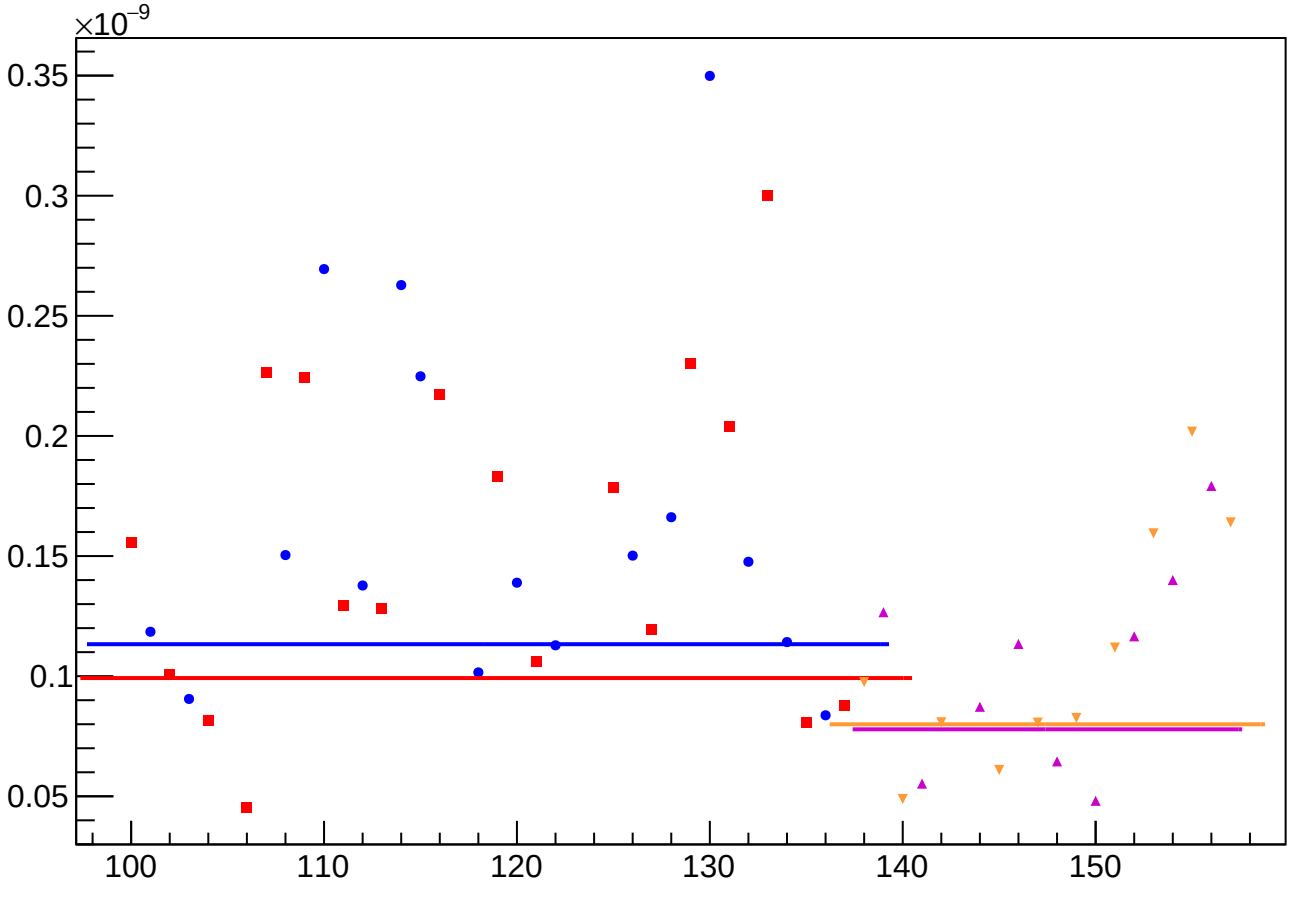
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 26.1/25

All: 0.000+/-0.000 χ^2/NDF: 68.3/52

- sign 0.000+/-0.000 χ^2/NDF: 41.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022864.2/9

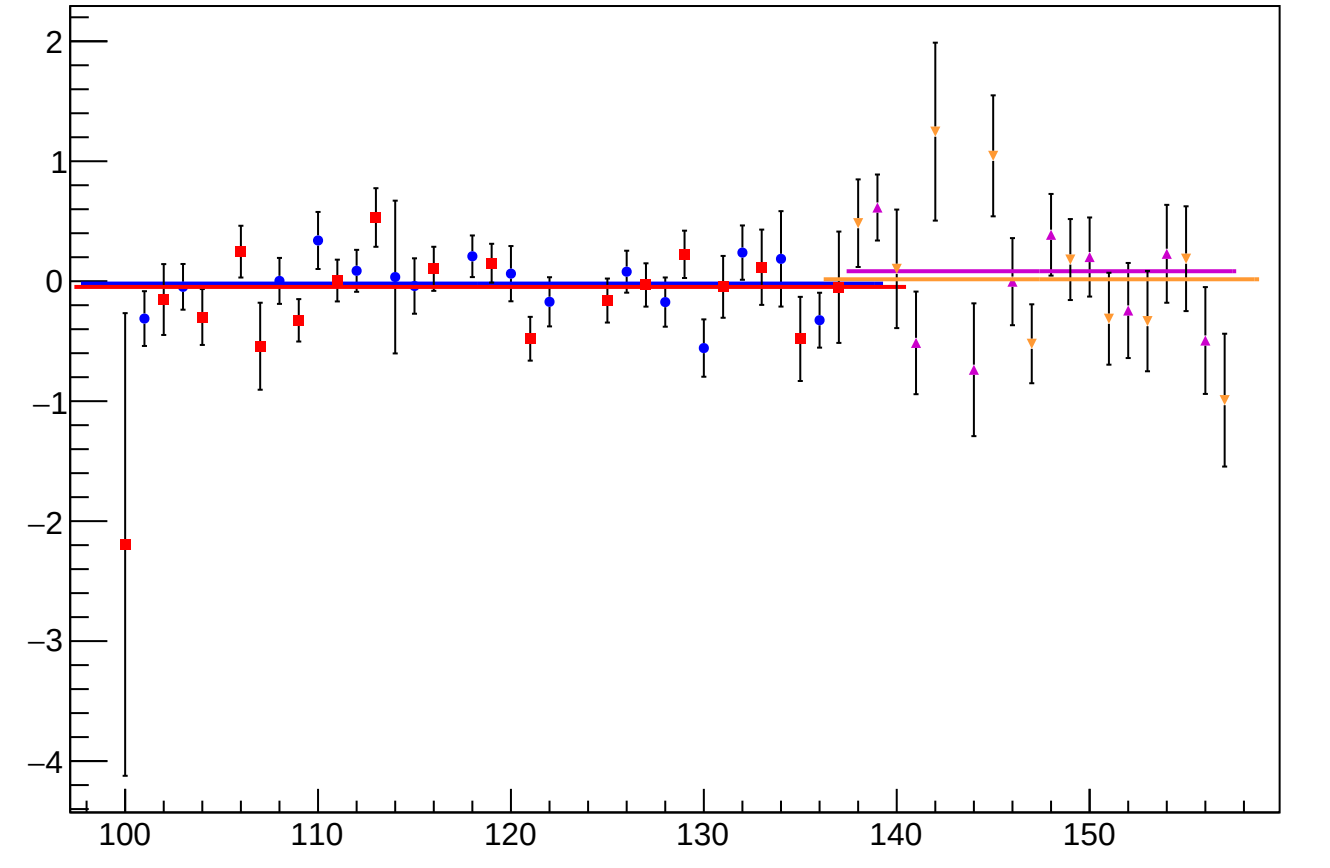
Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:964451.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 1983723.0/25

All: 0.000+/-0.000 χ^2/NDF: 4205273.1/52

- sign 0.000+/-0.000 χ^2/NDF: 2203130.9/26



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

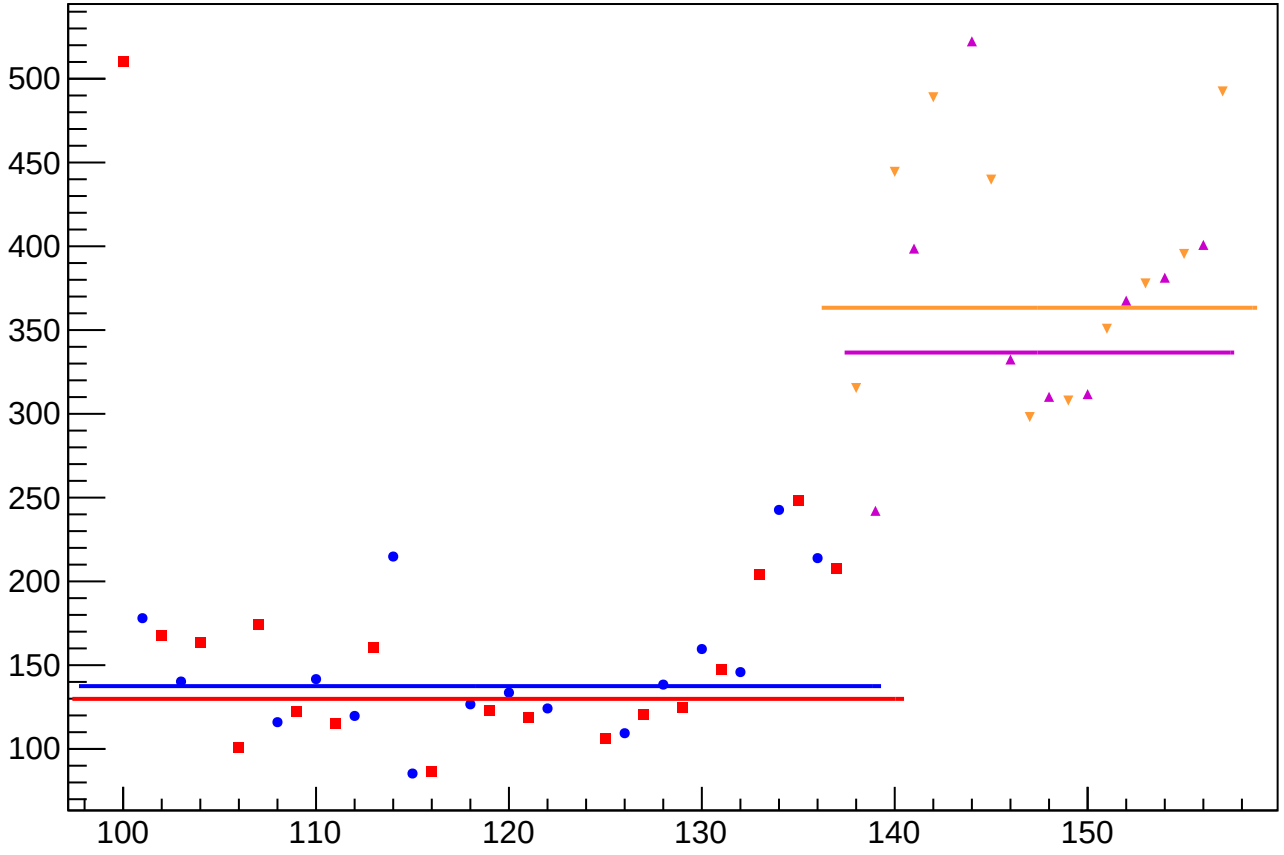
Left In: 0.083+/-0.124 χ^2/NDF:11.4/8

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.021+/-0.035 χ^2/NDF: 71.1/52

- sign -0.028+/-0.048 χ^2/NDF: 38.6/26

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 363.315+/-0.094 χ^2/NDF:448345.2/9

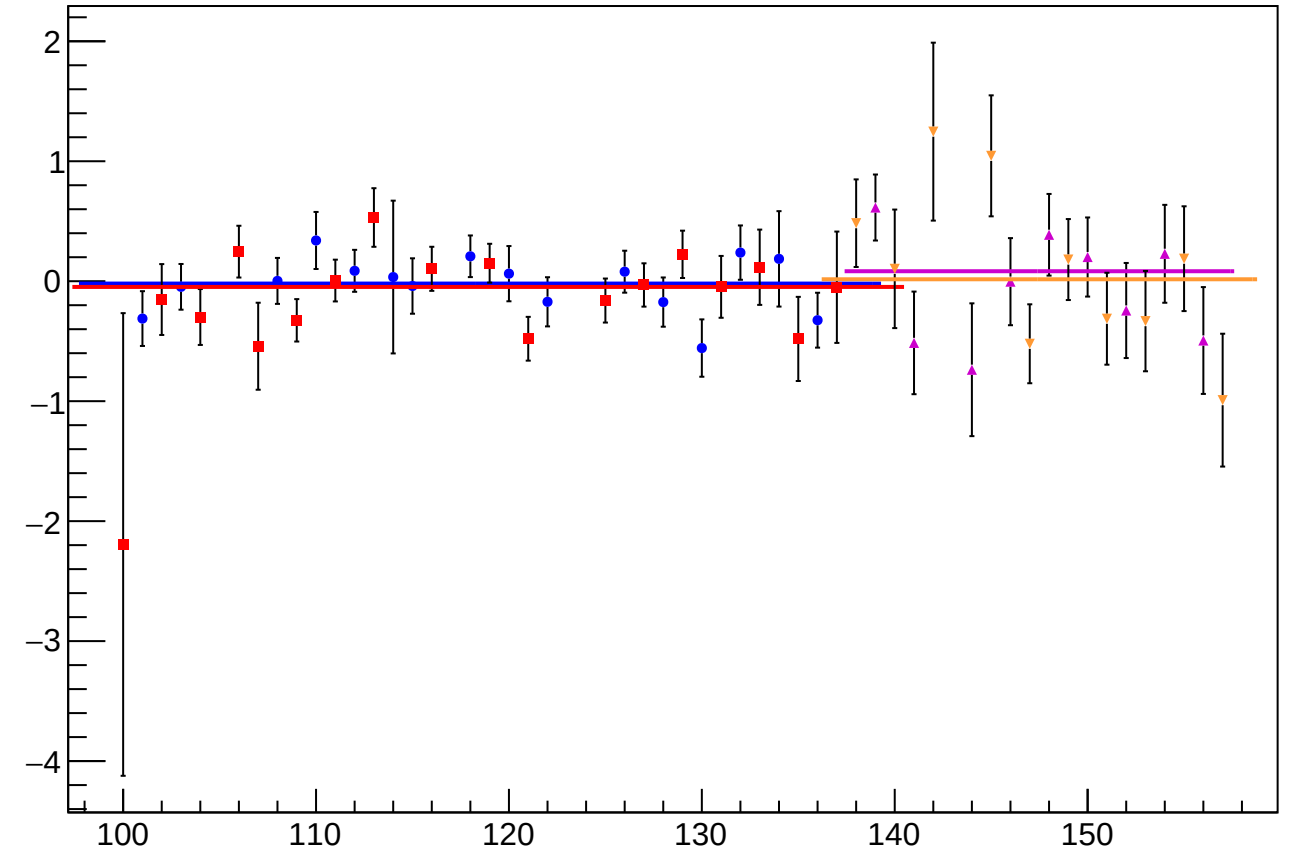
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 336.582+/-0.088 χ^2/NDF:604567.5/8

+ sign 169.596+/-0.036 χ^2/NDF: 6076000.3/25

All: 165.238+/-0.025 χ^2/NDF: 12240293.1/52

- sign 161.195+/-0.034 χ^2/NDF: 6135244.1/26



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

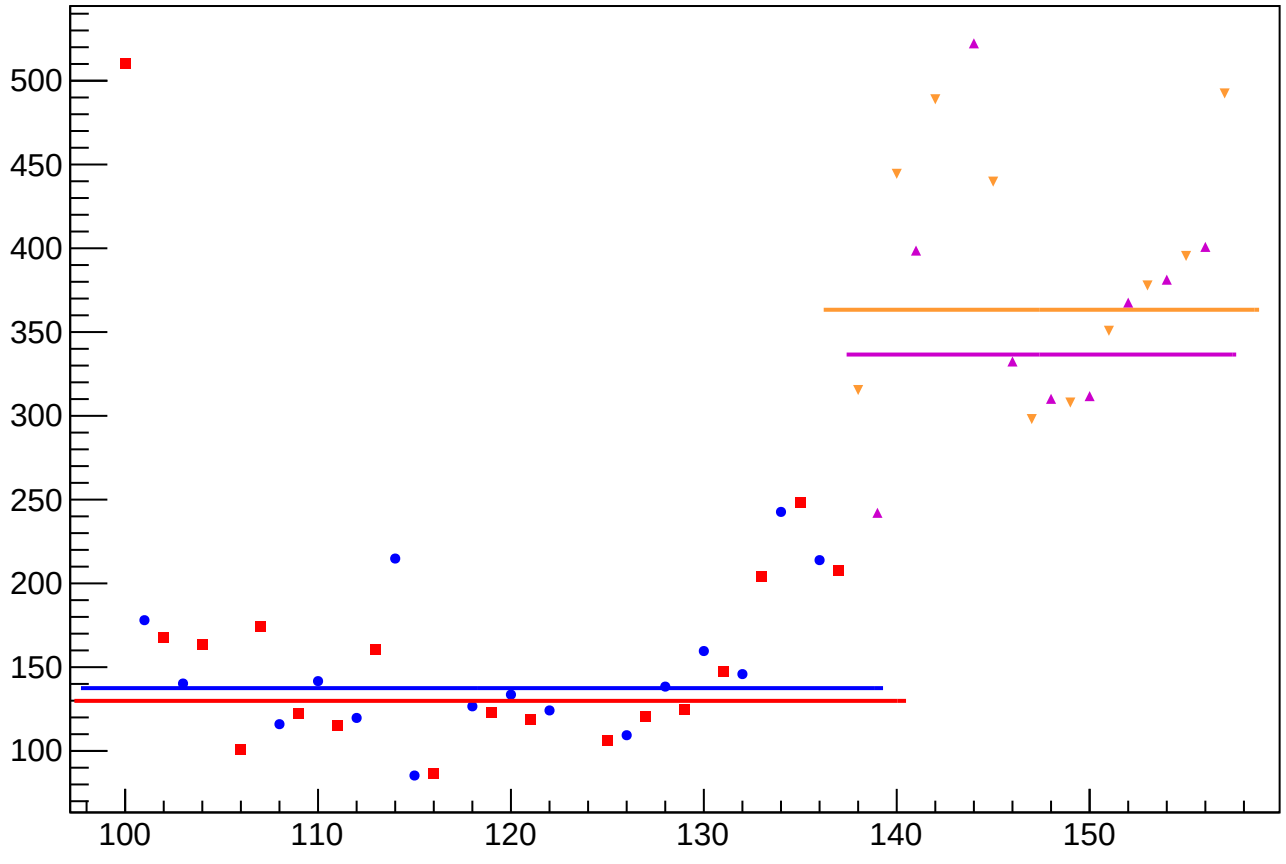
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.083+/-0.124 χ^2/NDF:11.4/8

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.021+/-0.035 χ^2/NDF: 71.1/52

- sign -0.028+/-0.048 χ^2/NDF: 38.6/26



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 363.315+/-0.094 χ^2/NDF:448345.2/9

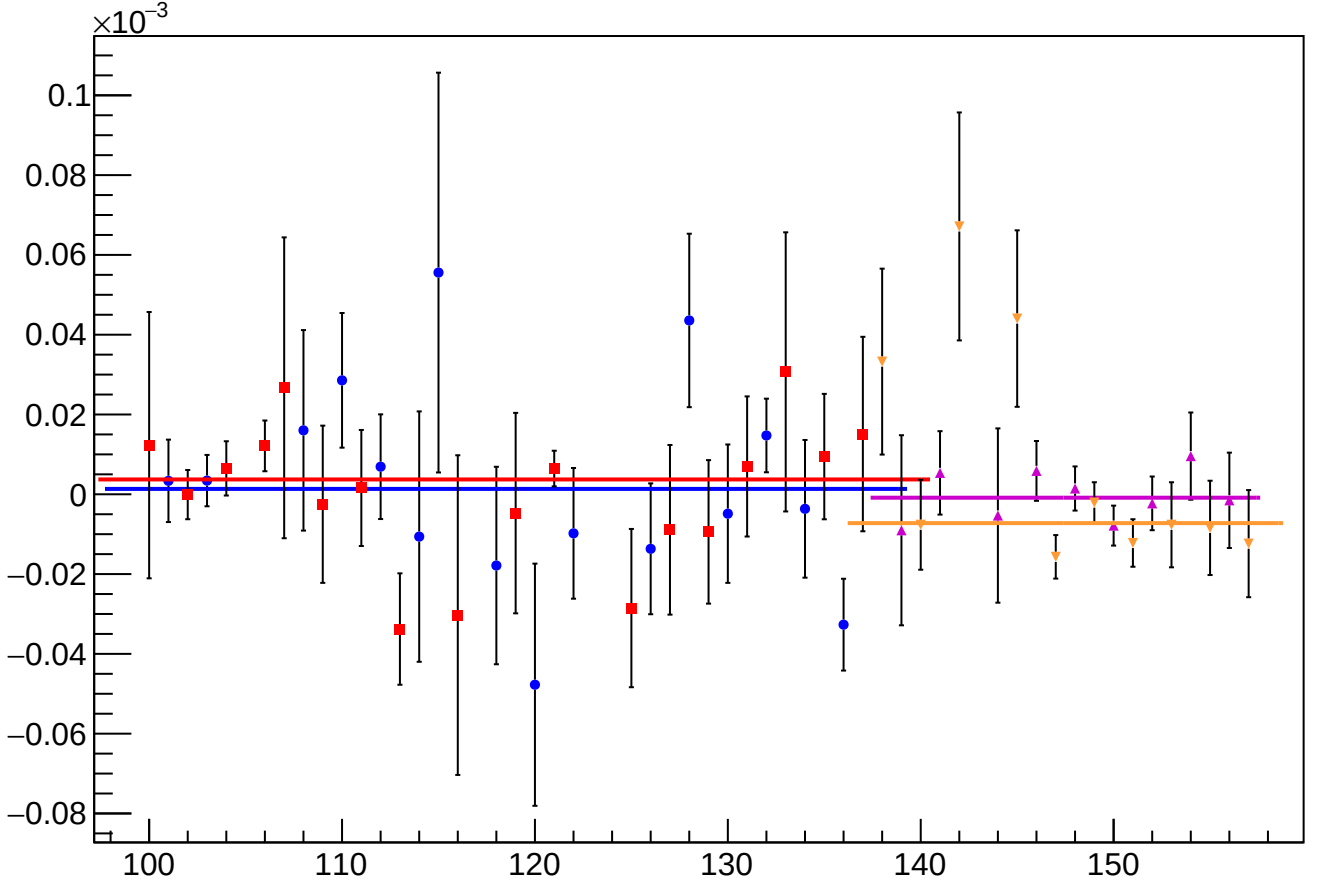
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 336.582+/-0.088 χ^2/NDF:604567.5/8

+ sign 169.596+/-0.036 χ^2/NDF: 6076000.3/25

All: 165.238+/-0.025 χ^2/NDF: 12240293.1/52

- sign 161.195+/-0.034 χ^2/NDF: 6135244.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/9

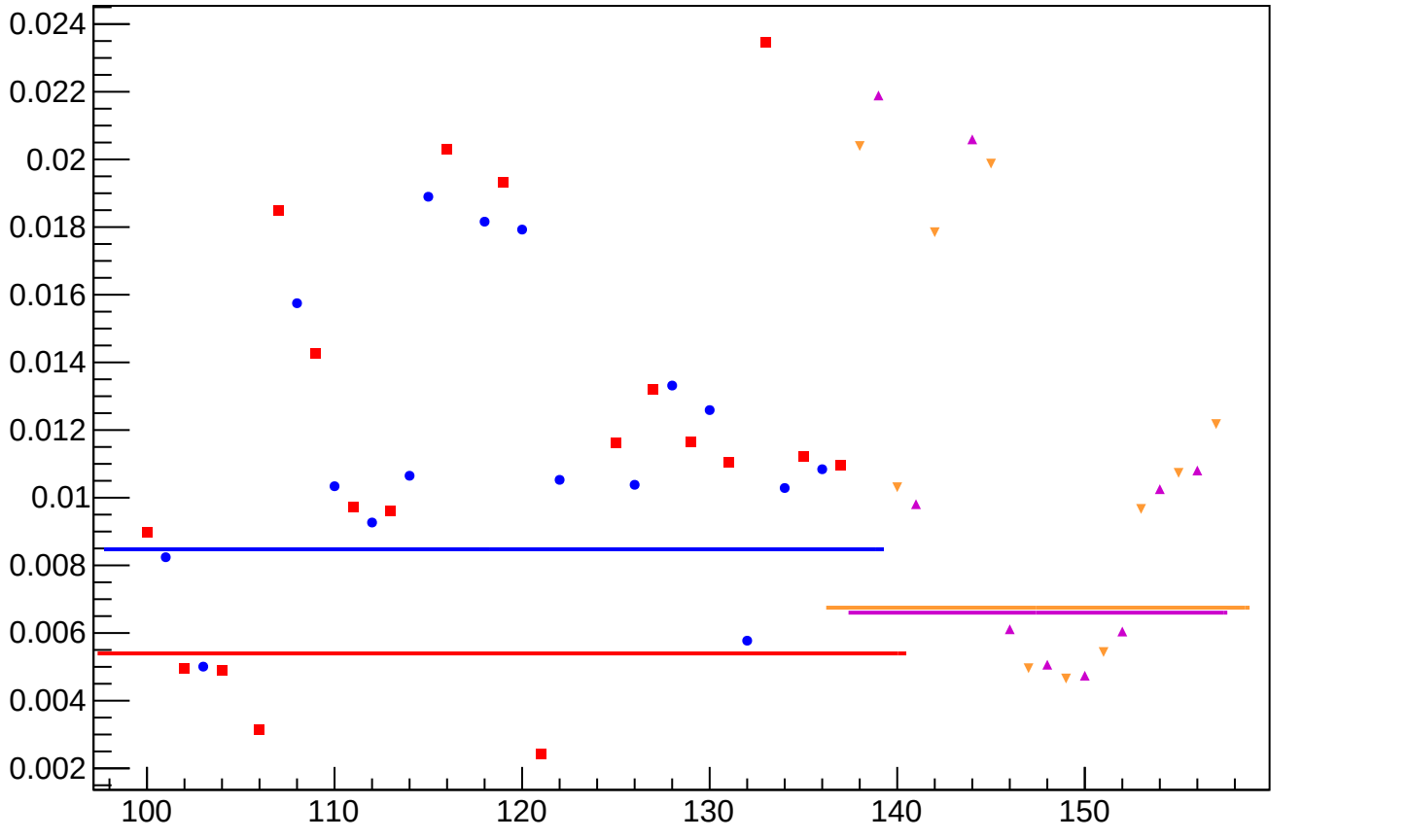
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

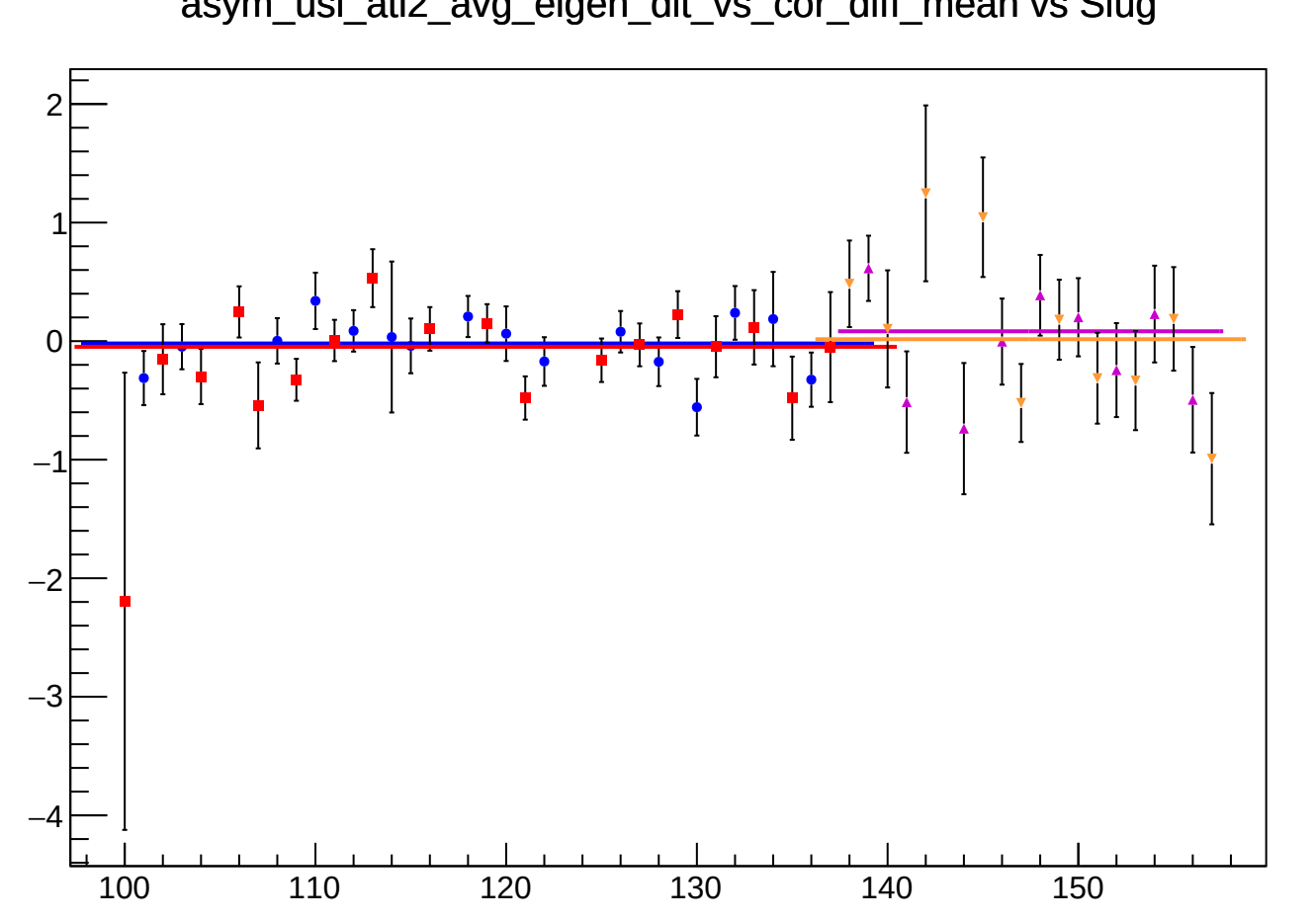
Left In: -0.000+/-0.000 χ^2/NDF:4.4/8

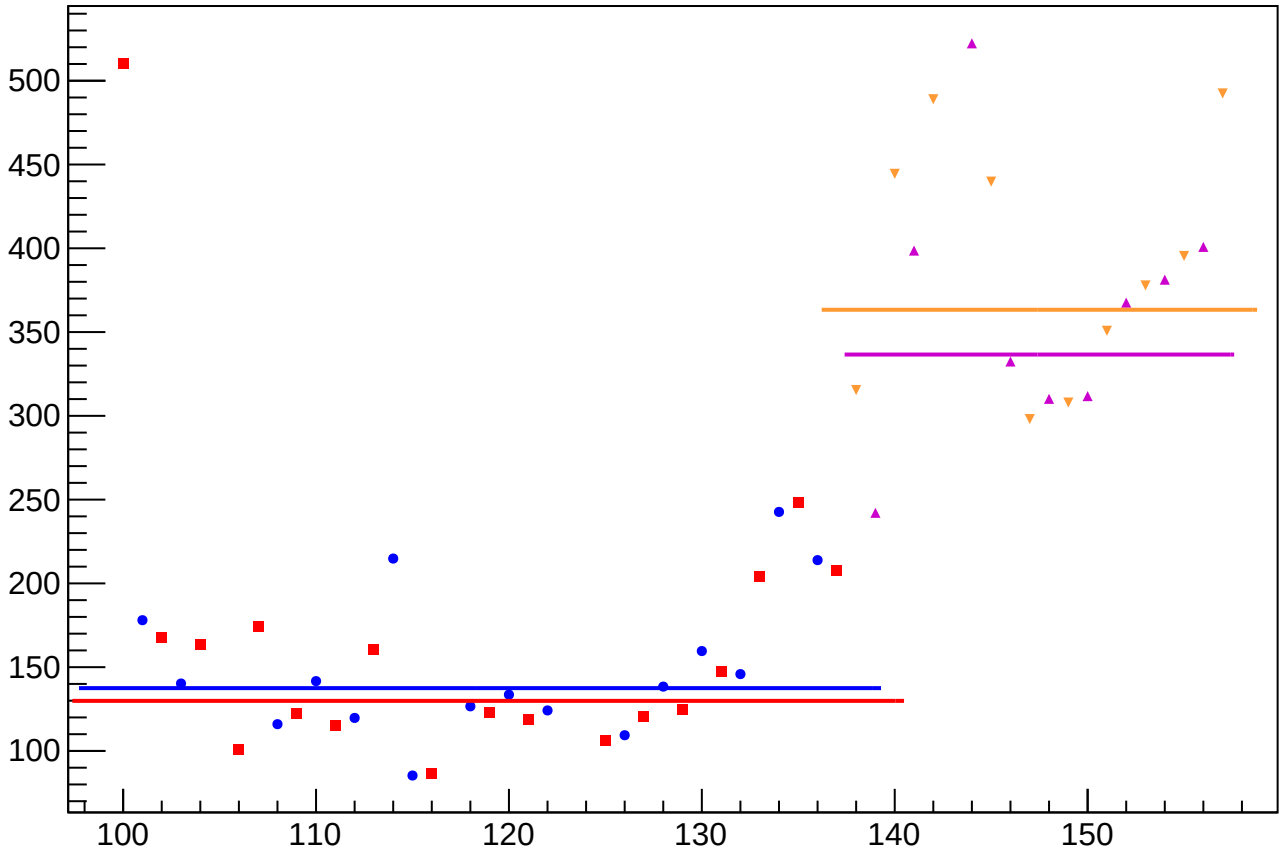
+ sign -0.000+/-0.000 χ^2/NDF: 47.2/25

All: -0.000+/-0.000 χ^2/NDF: 72.7/52

- sign 0.000+/-0.000 χ^2/NDF: 21.7/26


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.007+/-0.000 χ²/NDF:3246239.0/9
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.007+/-0.000 χ²/NDF:2756828.1/8
+ sign 0.007+/-0.000 χ²/NDF: 5480850.0/25
All: 0.007+/-0.000 χ²/NDF: 13889171.2/52
- sign 0.006+/-0.000 χ²/NDF: 7881414.9/26


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.016+/-0.133 χ²/NDF:16.4/9
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.083+/-0.124 χ²/NDF:11.4/8
+ sign -0.015+/-0.050 χ²/NDF: 32.5/25
All: -0.021+/-0.035 χ²/NDF: 71.1/52
- sign -0.028+/-0.048 χ²/NDF: 38.6/26



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 363.319+/-0.094 χ^2/NDF:448386.7/9

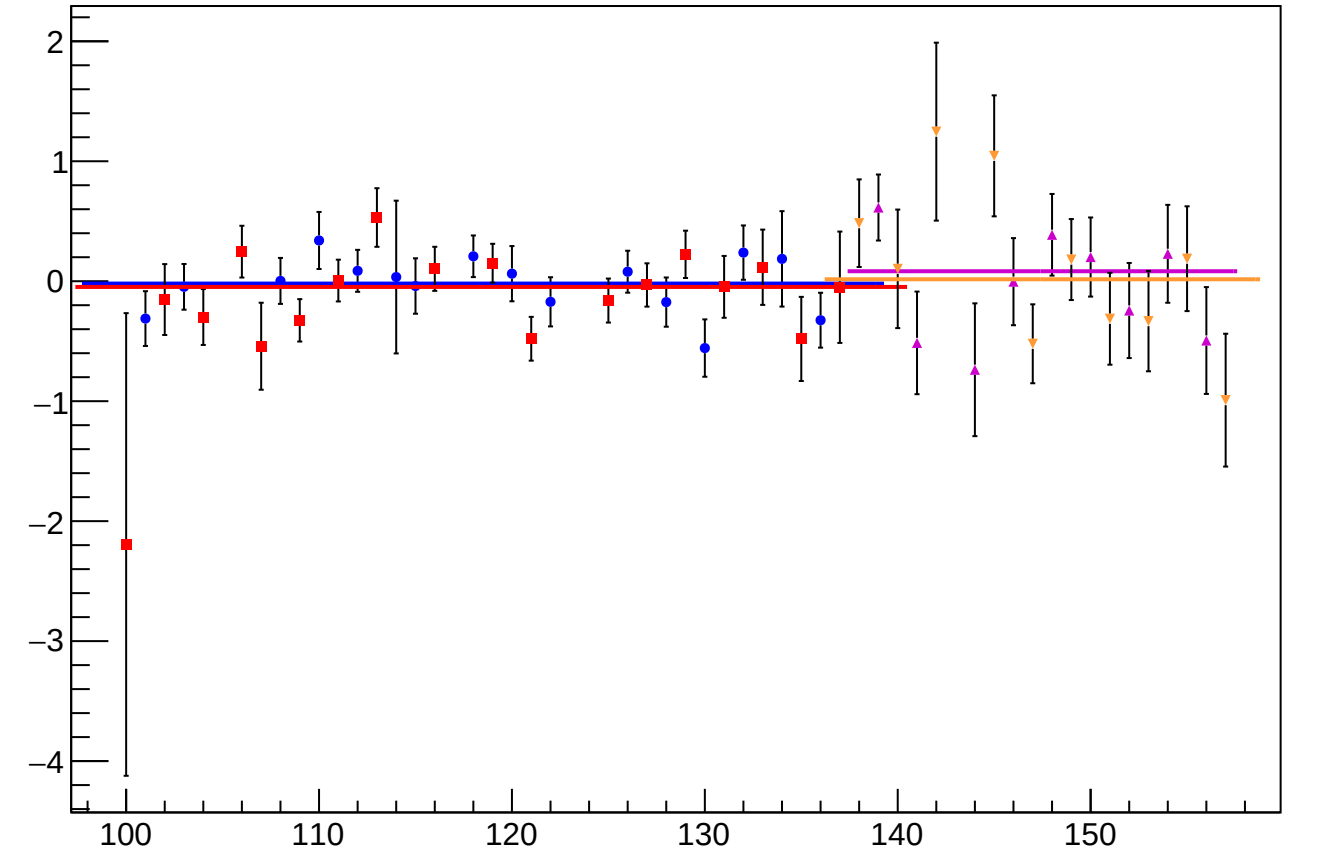
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 336.587+/-0.088 χ^2/NDF:604555.4/8

+ sign 169.596+/-0.036 χ^2/NDF: 6076092.3/25

All: 165.238+/-0.025 χ^2/NDF: 12240437.3/52

- sign 161.195+/-0.034 χ^2/NDF: 6135297.5/26



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.016+/-0.133 χ^2/NDF:16.4/9

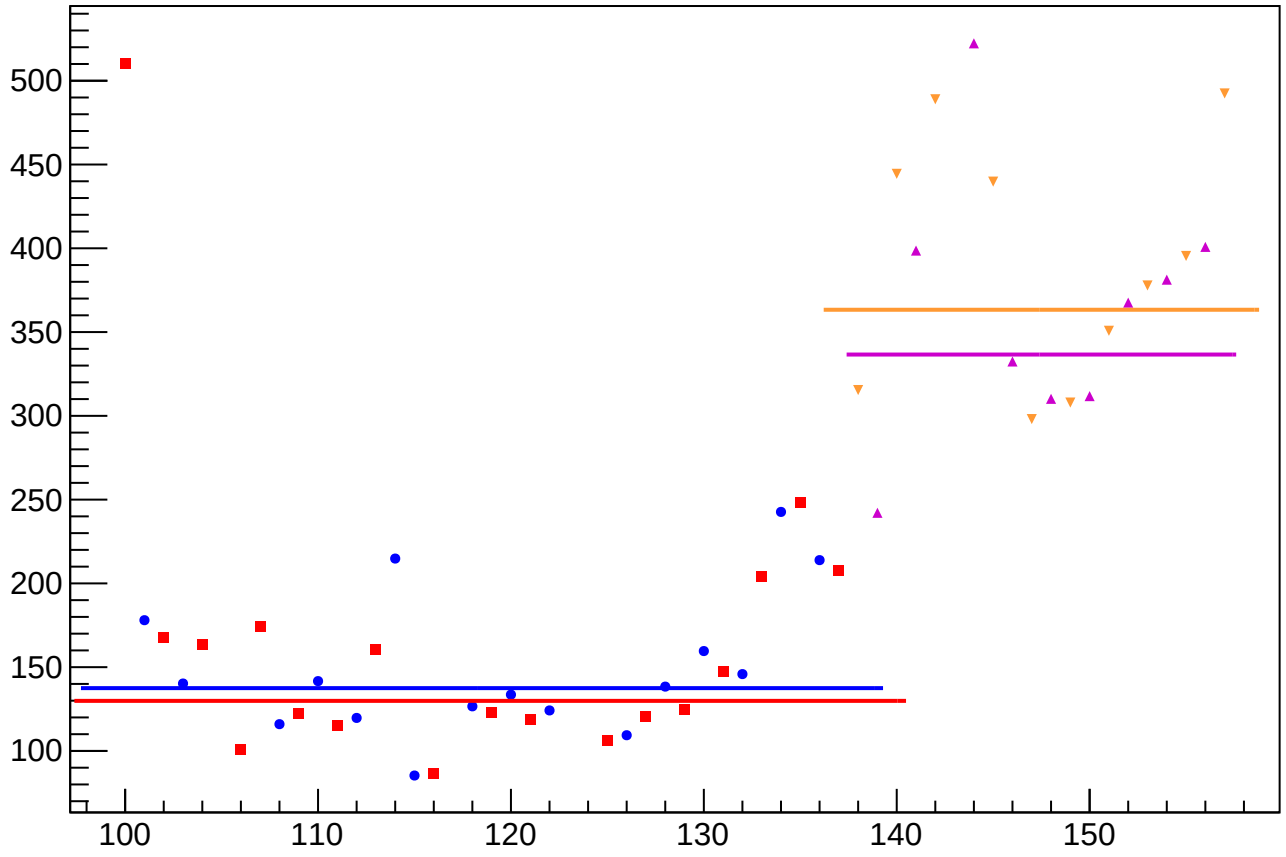
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.083+/-0.124 χ^2/NDF:11.4/8

+ sign -0.015+/-0.050 χ^2/NDF: 32.5/25

All: -0.021+/-0.035 χ^2/NDF: 71.1/52

- sign -0.028+/-0.048 χ^2/NDF: 38.6/26



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 363.319+/-0.094 χ^2/NDF:448386.7/9

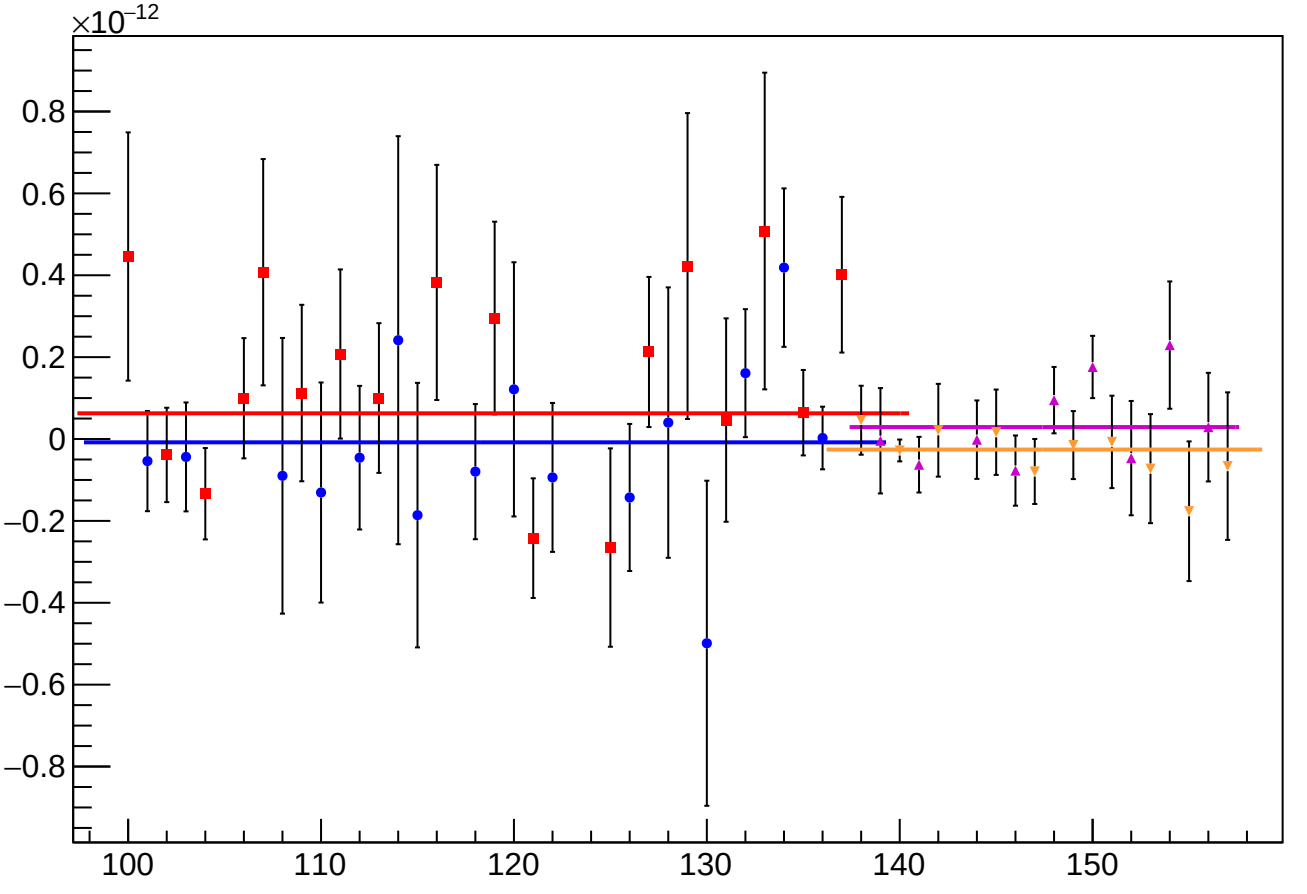
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 336.587+/-0.088 χ^2/NDF:604555.4/8

+ sign 169.596+/-0.036 χ^2/NDF: 6076092.3/25

All: 165.238+/-0.025 χ^2/NDF: 12240437.3/52

- sign 161.195+/-0.034 χ^2/NDF: 6135297.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/9

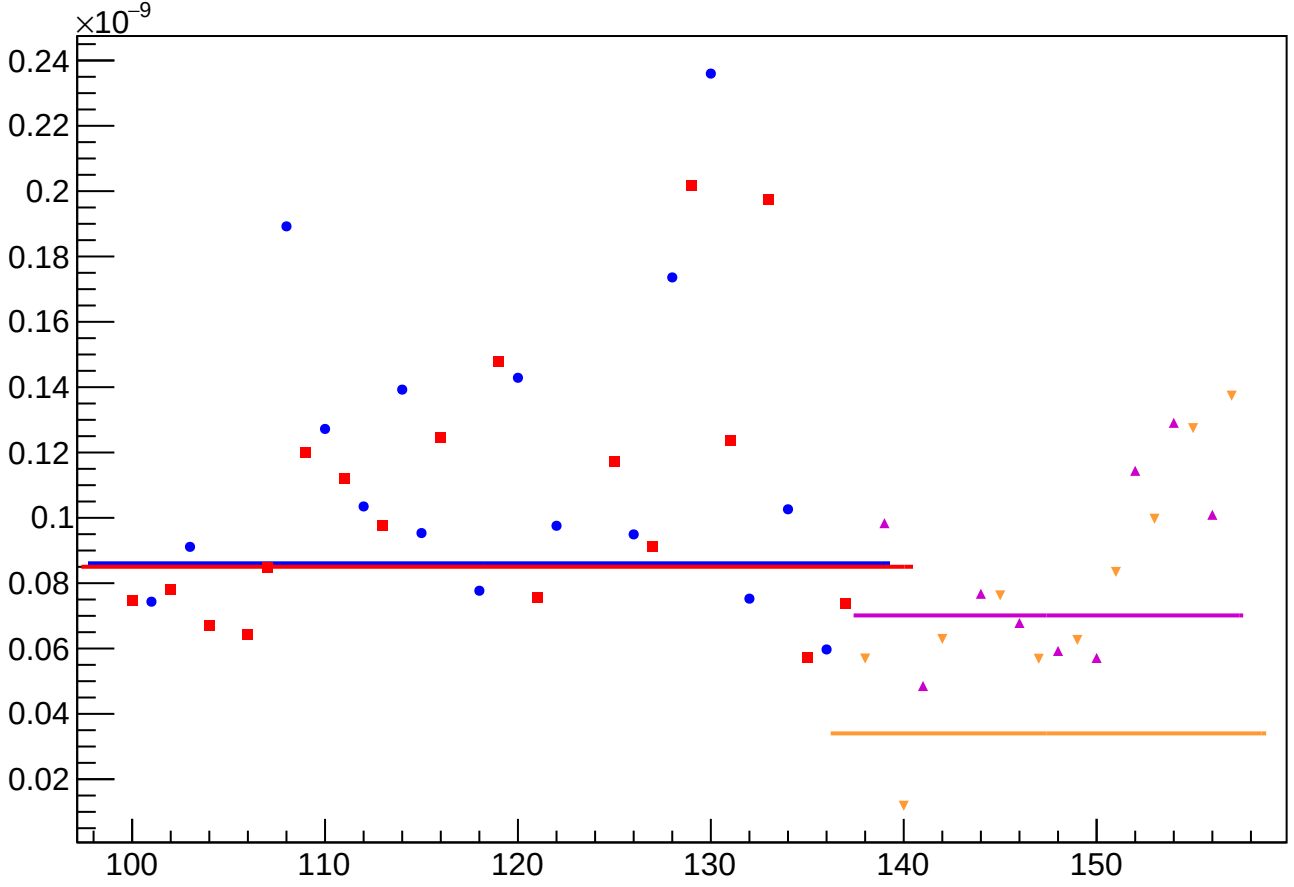
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 12.5/25

All: 0.000+/-0.000 χ^2/NDF: 49.0/52

- sign 0.000+/-0.000 χ^2/NDF: 32.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4514584.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

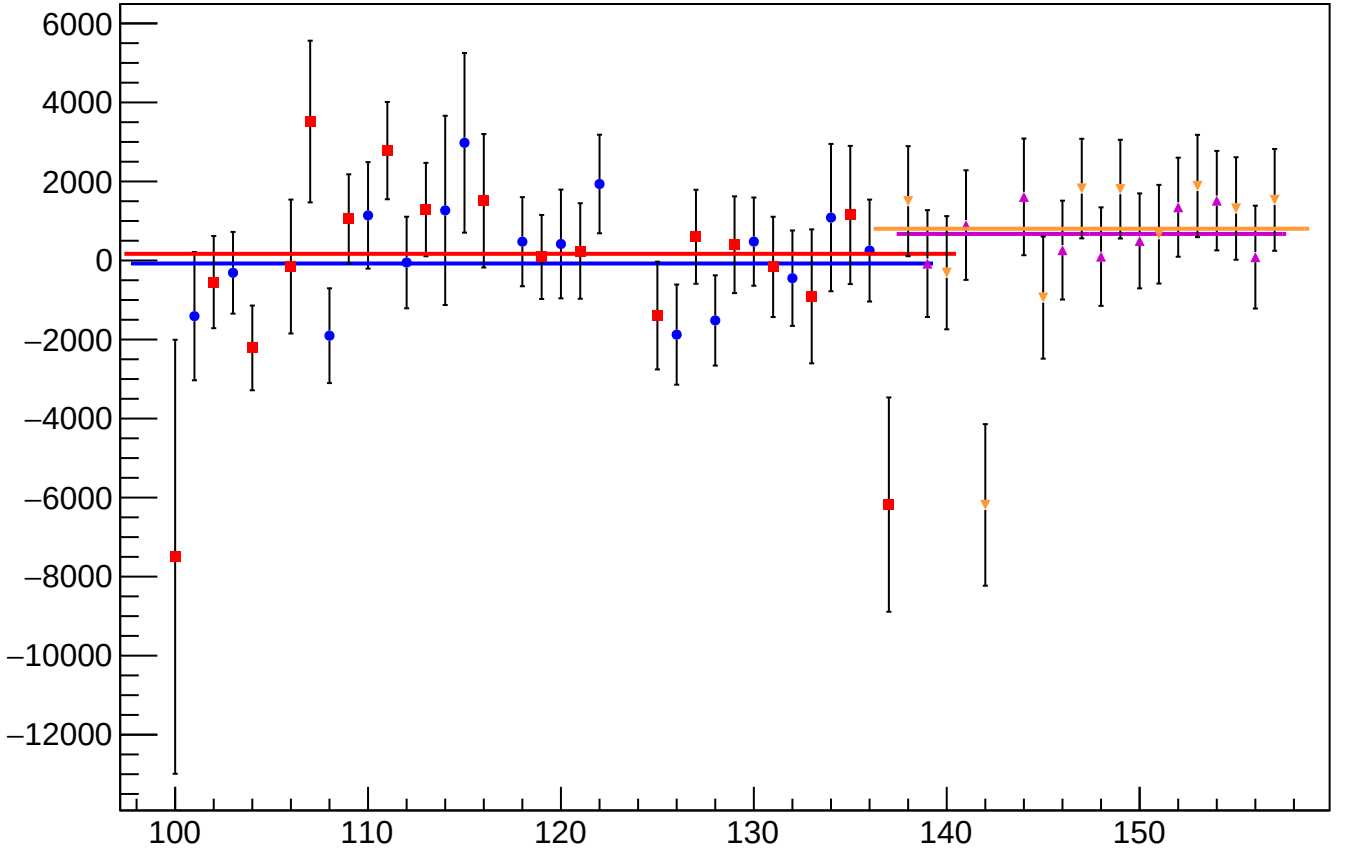
Left In: 0.000+/-0.000 χ^2/NDF:1000398.6/8

\+ sign 0.000+/-0.000 χ^2/NDF: 7990441.7/25

All: 0.000+/-0.000 χ^2/NDF: 12081491.3/52

\- sign 0.000+/-0.000 χ^2/NDF: 2145331.2/26

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 803.527+/-431.675 χ^2/NDF:16.3/9

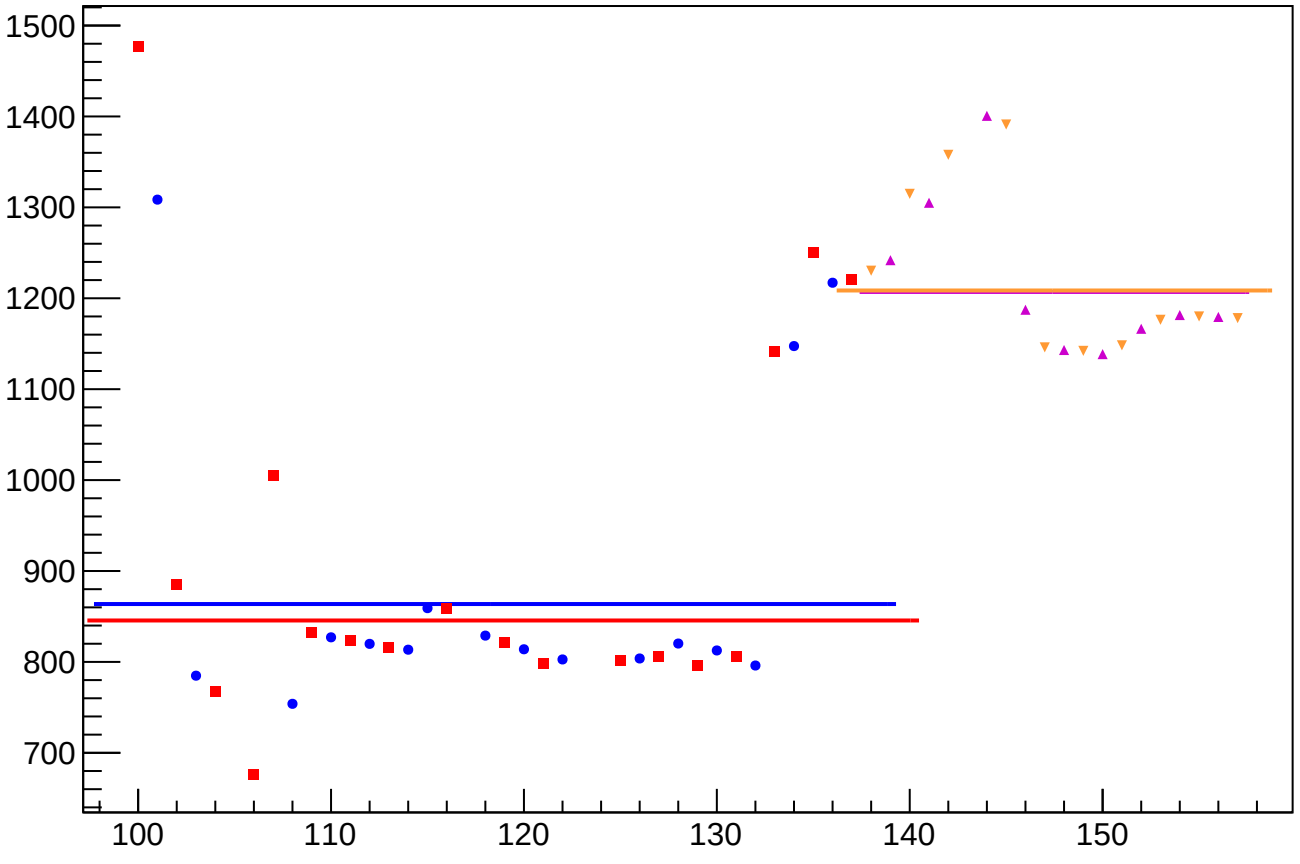
Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: 672.310+/-431.949 χ^2/NDF:2.0/8

+ sign 243.752+/-260.264 χ^2/NDF: 32.3/25

All: 296.762+/-183.255 χ^2/NDF: 59.6/52

- sign 348.883+/-258.073 χ^2/NDF: 27.3/26



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

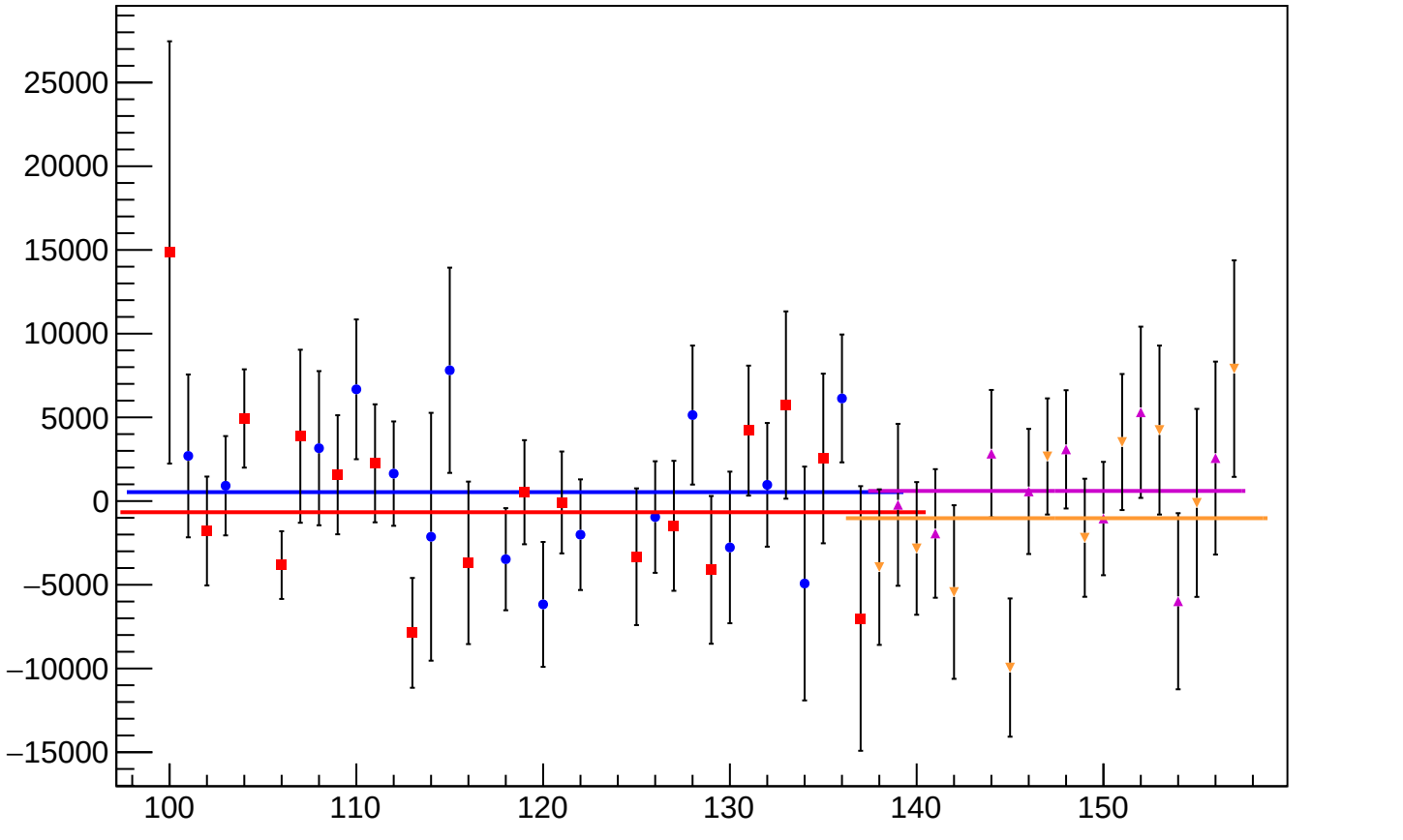
Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1206.960+/-0.305 χ^2/NDF:61784.0/8

+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 980.643+/-0.129 χ^2/NDF: 2570606.4/52

- sign 972.522+/-0.181 χ^2/NDF: 1277711.3/26



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1023.242+/-1380.230 χ^2/NDF:11.5/9

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

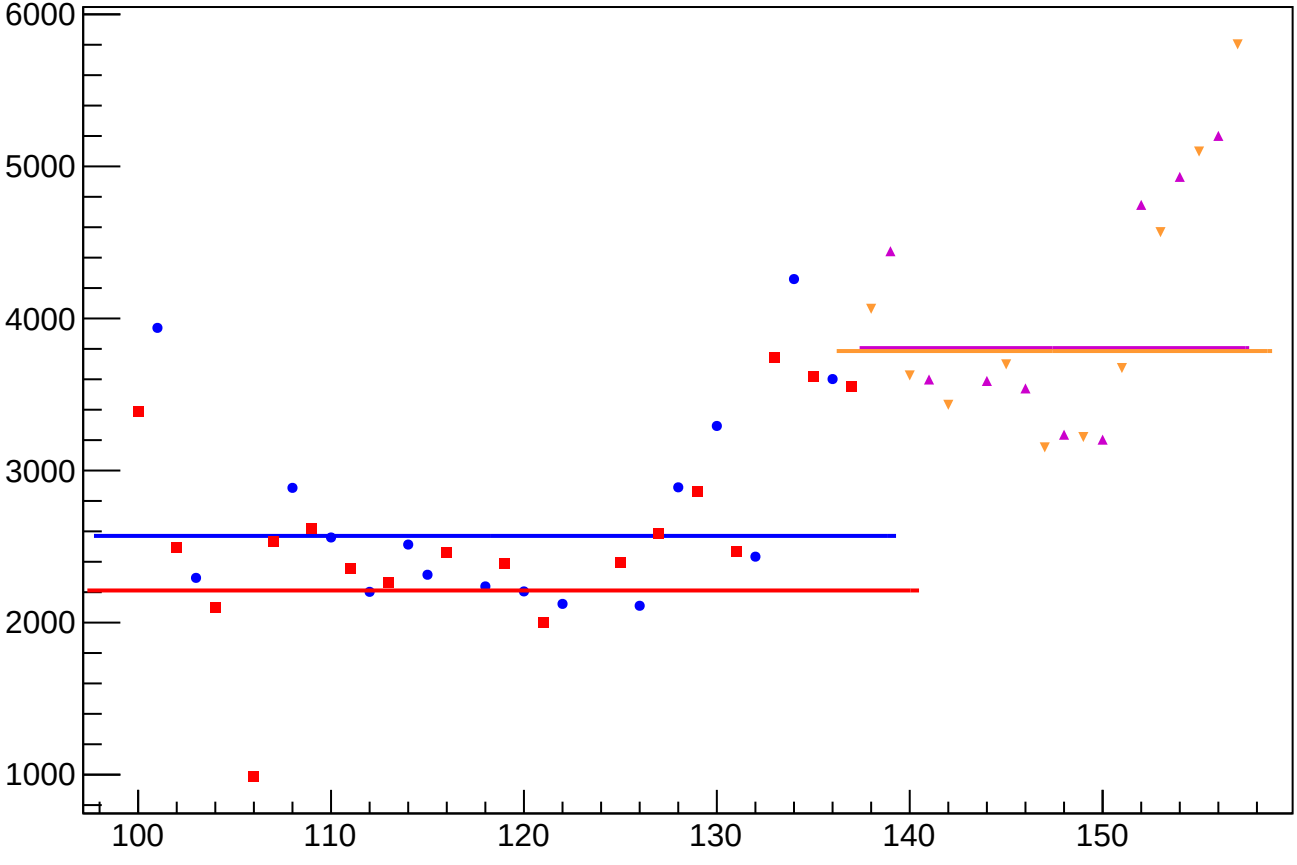
Left In: 604.798+/-1382.726 χ^2/NDF:4.1/8

+ sign 11.487+/-799.764 χ^2/NDF: 27.0/25

All: -162.346+/-540.498 χ^2/NDF: 51.7/52

- sign -308.492+/-733.310 χ^2/NDF: 24.6/26

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3785.810+/-0.976 χ^2/NDF:492108.6/9

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

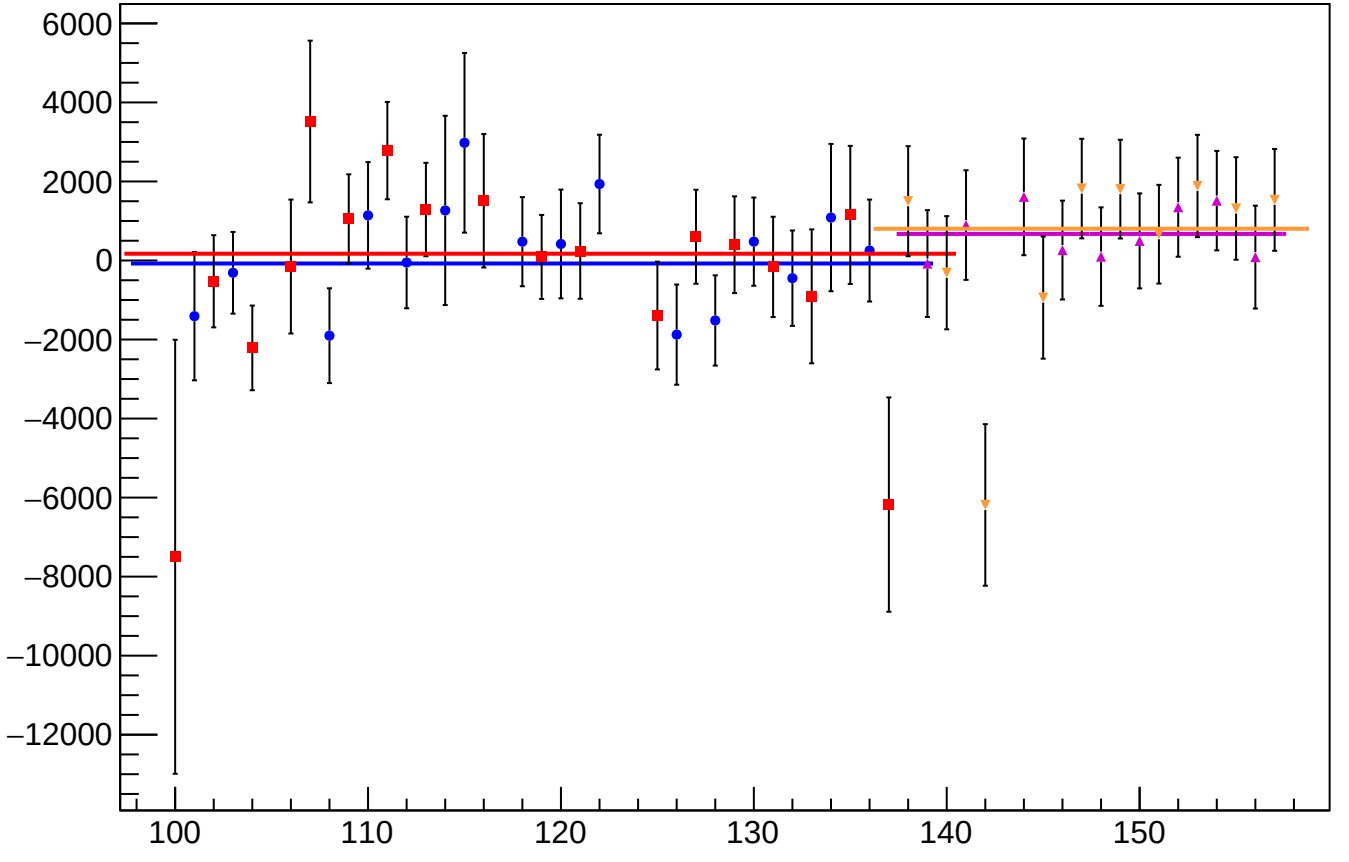
Left In: 3805.115+/-0.978 χ^2/NDF:449019.6/8

+ sign 2978.303+/-0.566 χ^2/NDF: 2185189.9/25

All: 2805.135+/-0.382 χ^2/NDF: 5980849.7/52

- sign 2659.550+/-0.519 χ^2/NDF: 3623065.4/26

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 803.464+/-431.675 χ^2/NDF:16.3/9

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

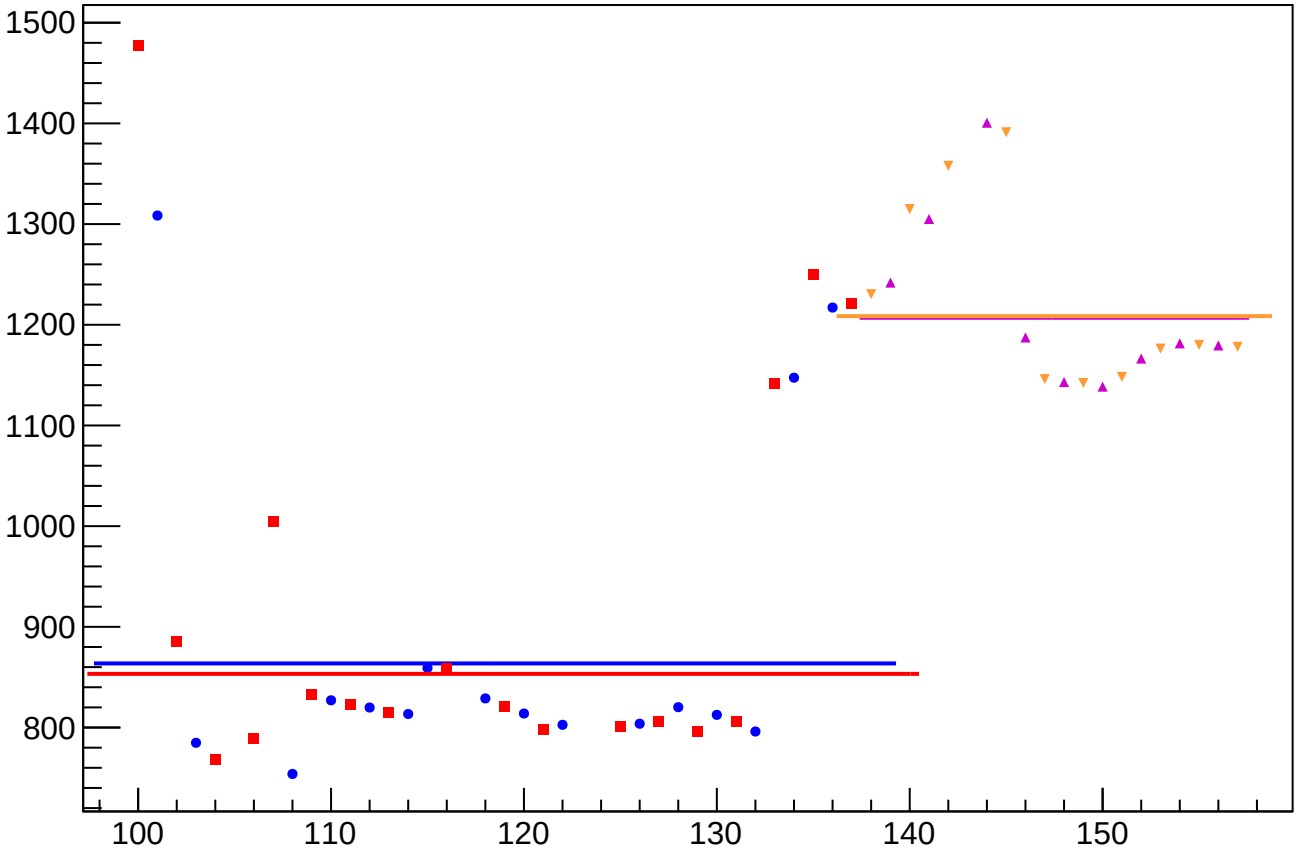
Left In: 672.357+/-431.949 χ^2/NDF:2.0/8

+ sign 243.680+/-260.264 χ^2/NDF: 32.3/25

All: 297.267+/-183.256 χ^2/NDF: 59.6/52

- sign 349.956+/-258.075 χ^2/NDF: 27.2/26

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

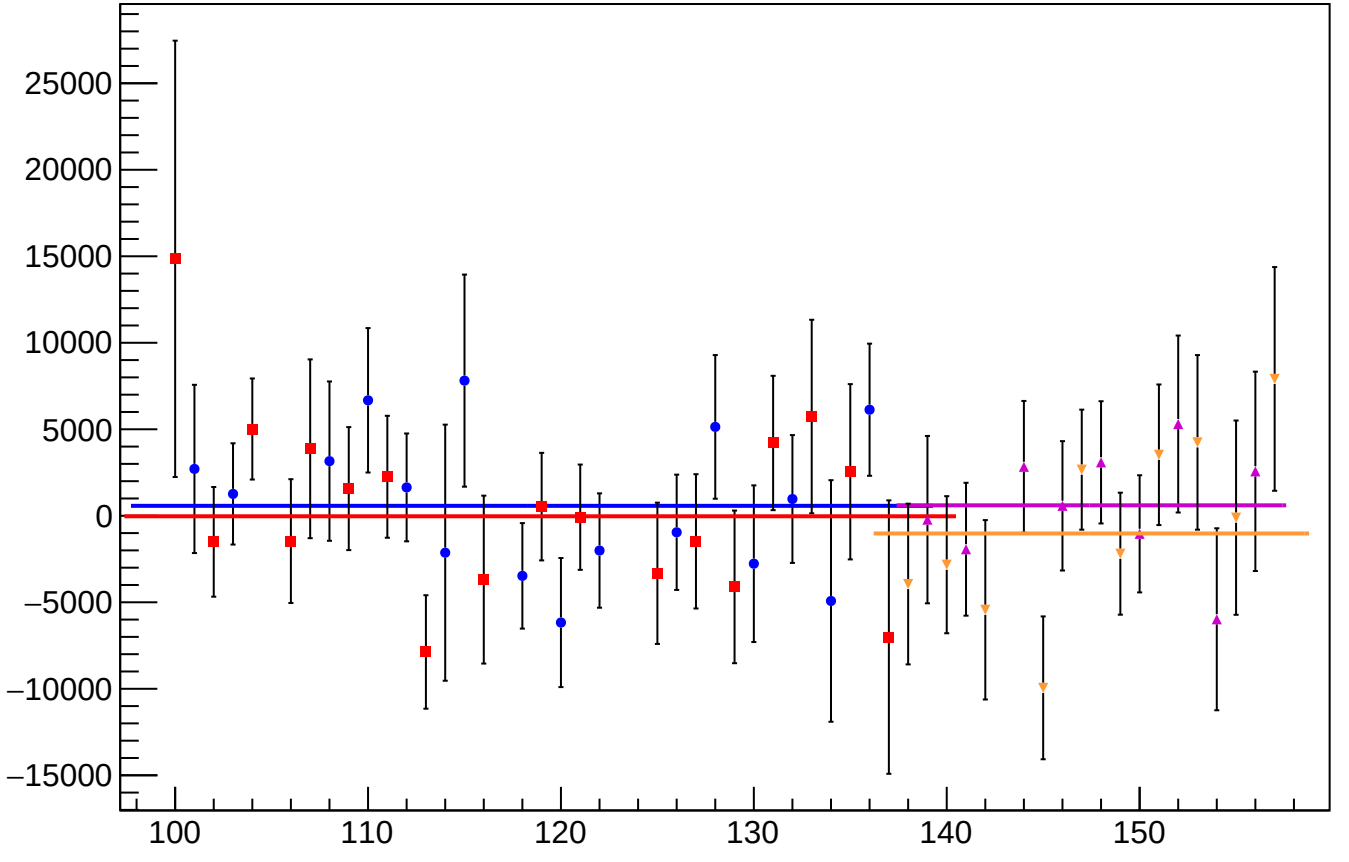
Left In: 1206.960+/-0.305 χ^2/NDF:61784.0/8

\+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 983.807+/-0.129 χ^2/NDF: 2492897.7/52

\- sign 978.699+/-0.182 χ^2/NDF: 1202499.3/26

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1023.300+/-1380.229 χ^2/NDF:11.5/9

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

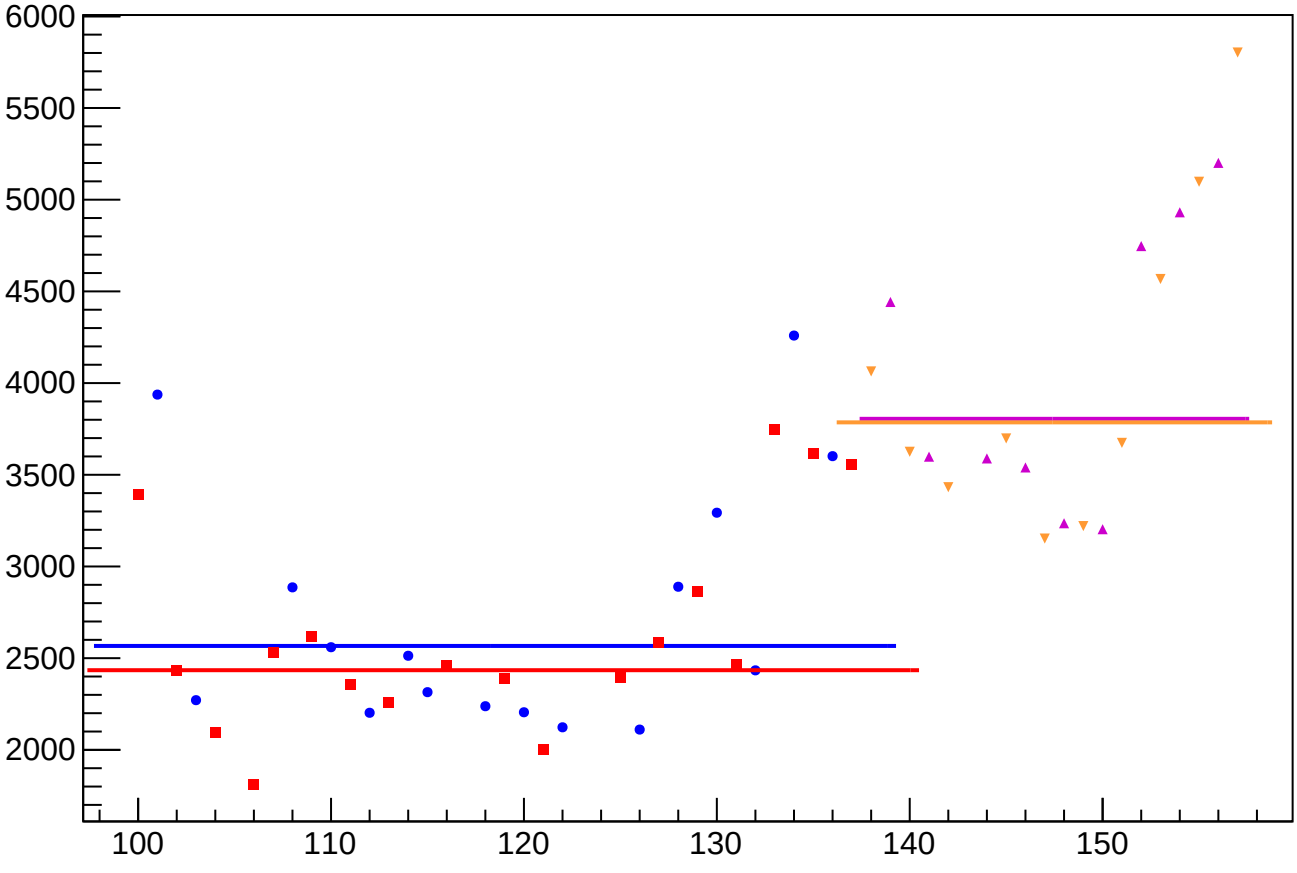
Left In: 604.859+/-1382.724 χ^2/NDF:4.1/8

+ sign 39.382+/-798.987 χ^2/NDF: 27.1/25

All: 105.468+/-553.377 χ^2/NDF: 48.5/52

- sign 166.395+/-767.169 χ^2/NDF: 21.4/26

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3785.809+/-0.976 χ^2/NDF:492105.7/9

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

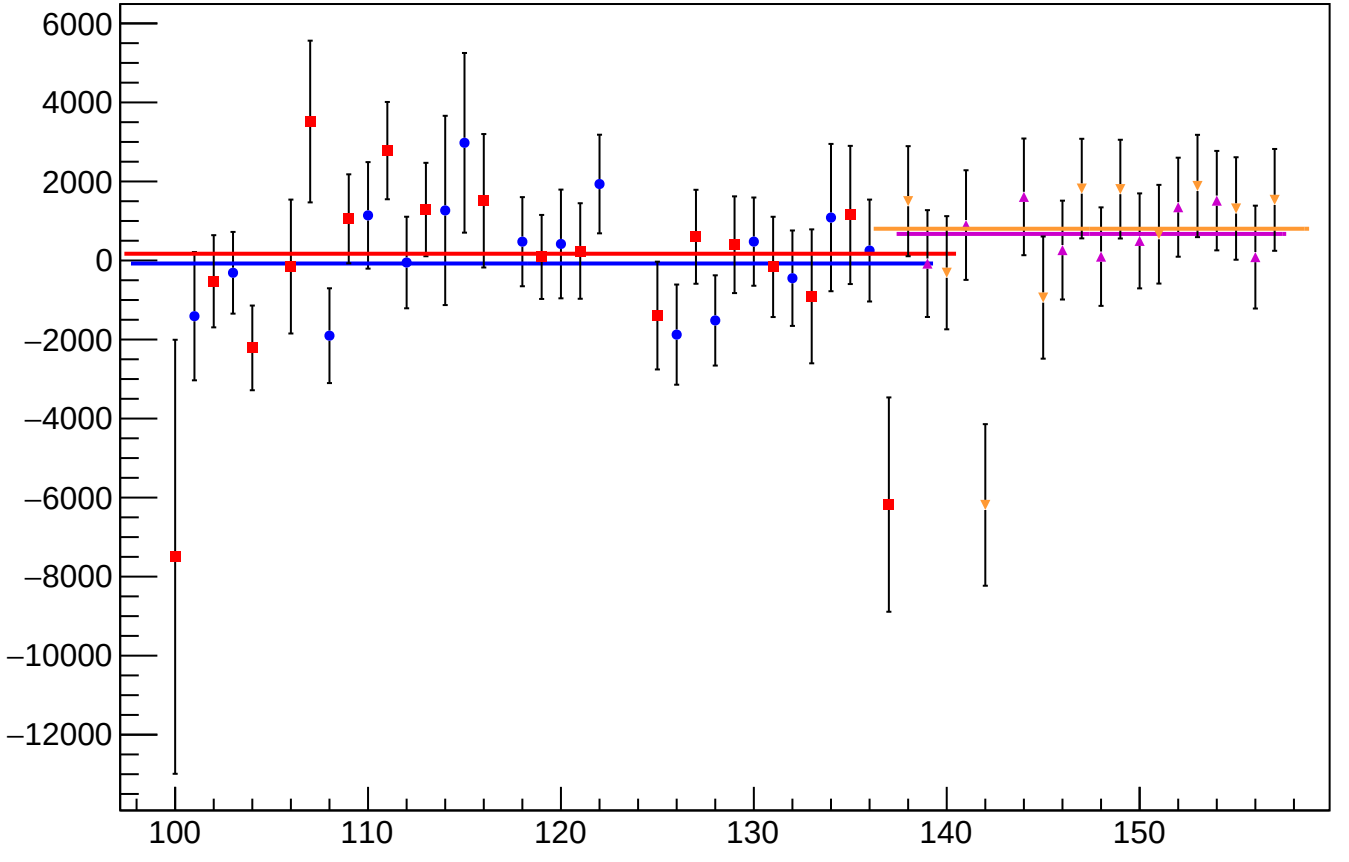
Left In: 3805.110+/-0.978 χ^2/NDF:449020.8/8

+ sign 2975.247+/-0.565 χ^2/NDF: 2195373.5/25

All: 2913.393+/-0.391 χ^2/NDF: 4461837.5/52

- sign 2856.367+/-0.542 χ^2/NDF: 2243426.8/26

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 803.464+/-431.675 χ^2/NDF:16.3/9

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

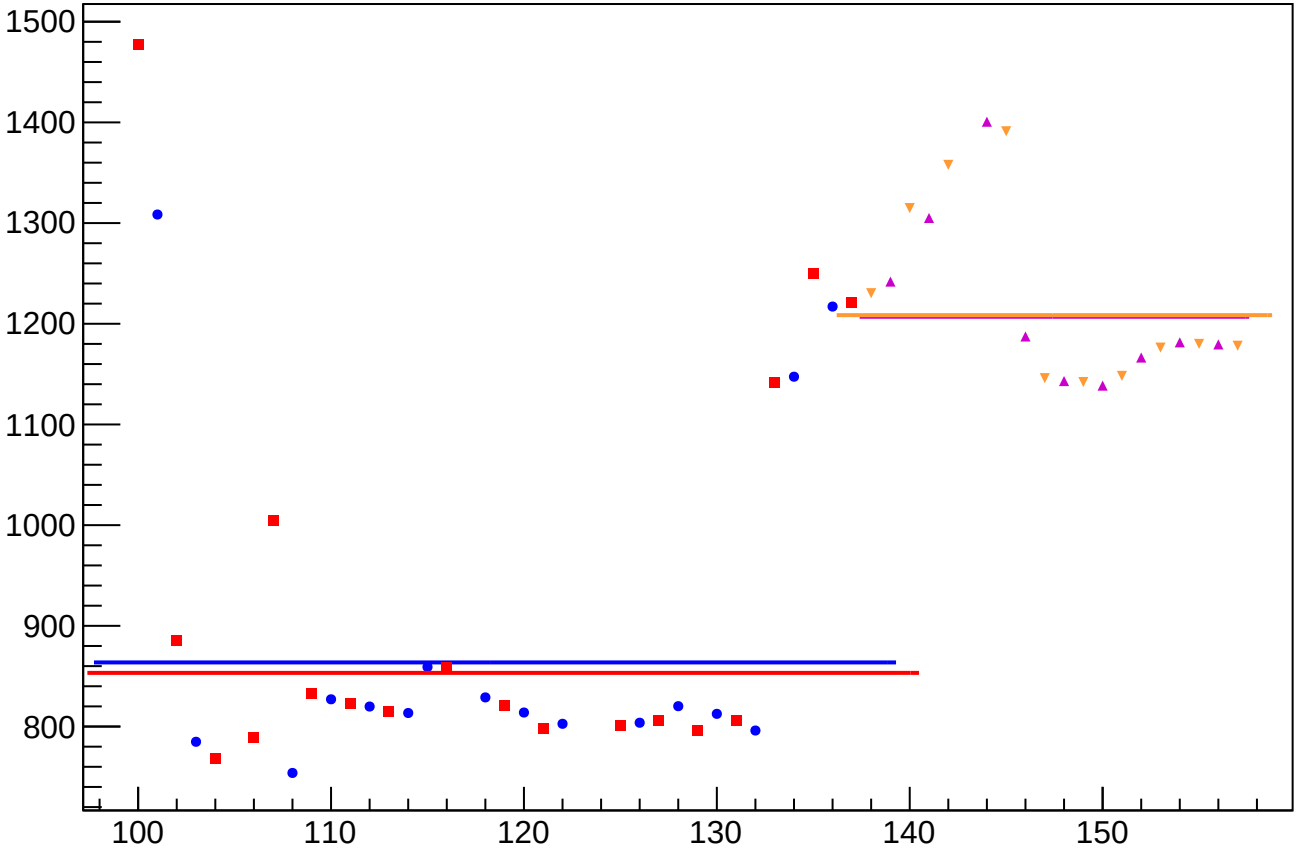
Left In: 672.357+/-431.949 χ^2/NDF:2.0/8

+ sign 243.680+/-260.264 χ^2/NDF: 32.3/25

All: 297.267+/-183.256 χ^2/NDF: 59.6/52

- sign 349.956+/-258.075 χ^2/NDF: 27.2/26

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1208.566+/-0.305 χ^2/NDF:68647.1/9

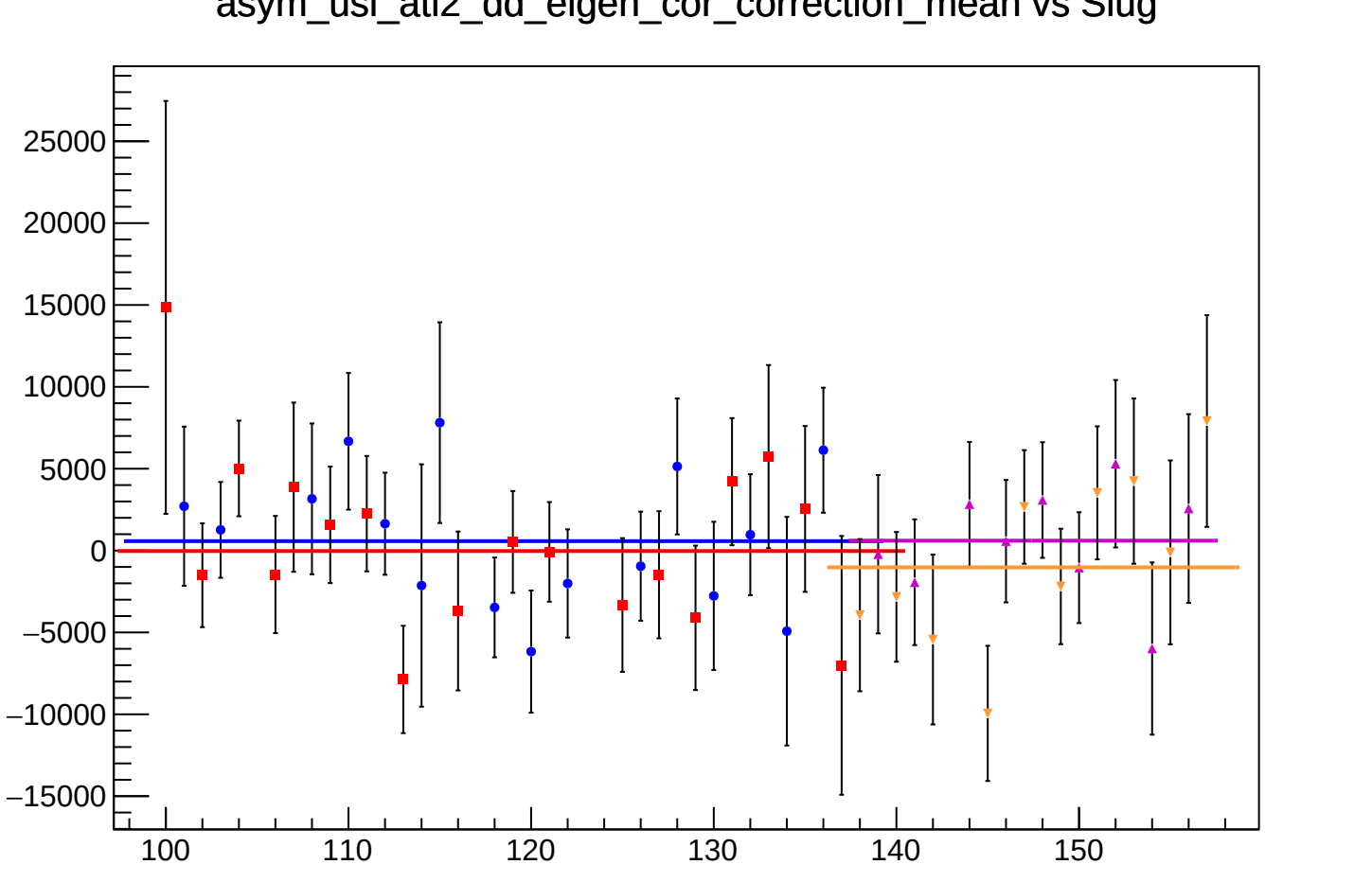
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1206.960+/-0.305 χ^2/NDF:61784.0/8

\+ sign 989.038+/-0.184 χ^2/NDF: 1288801.7/25

All: 983.807+/-0.129 χ^2/NDF: 2492897.7/52

\- sign 978.699+/-0.182 χ^2/NDF: 1202499.3/26



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1023.300+/-1380.229 χ^2/NDF:11.5/9

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

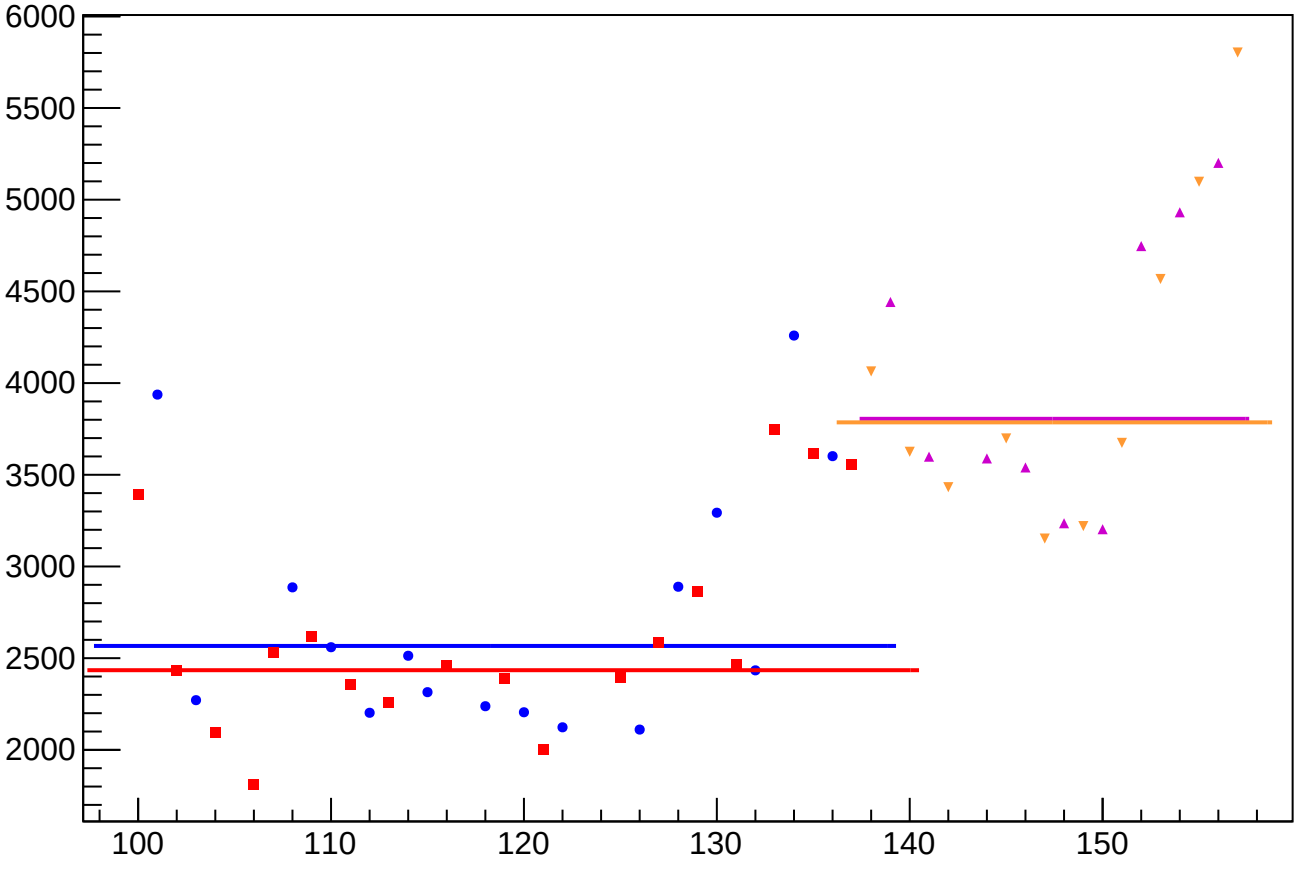
Left In: 604.859+/-1382.724 χ^2/NDF:4.1/8

+ sign 39.382+/-798.987 χ^2/NDF: 27.1/25

All: 105.468+/-553.377 χ^2/NDF: 48.5/52

- sign 166.395+/-767.169 χ^2/NDF: 21.4/26

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3785.809+/-0.976 χ^2/NDF:492105.7/9

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

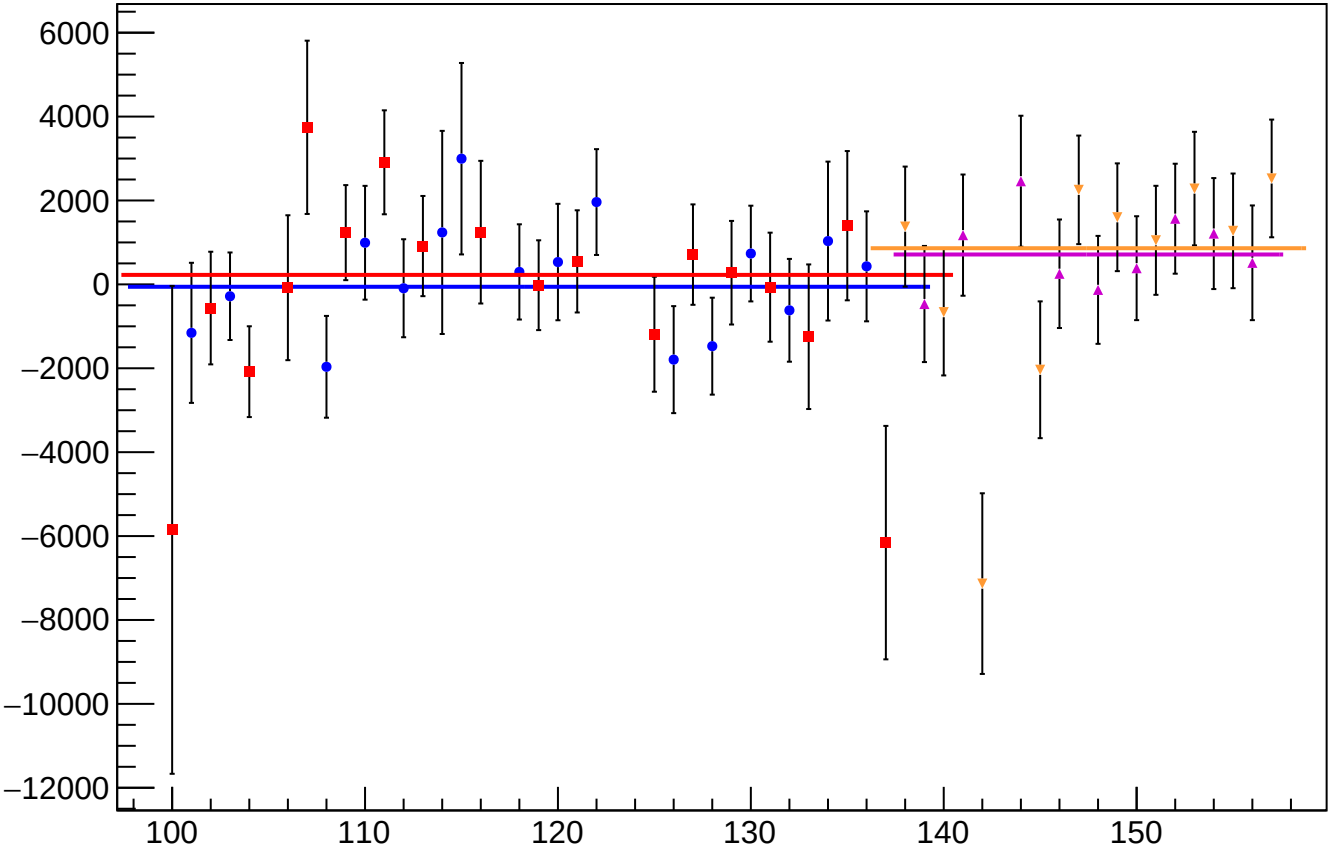
Left In: 3805.110+/-0.978 χ^2/NDF:449020.8/8

+ sign 2975.247+/-0.565 χ^2/NDF: 2195373.5/25

All: 2913.393+/-0.391 χ^2/NDF: 4461837.5/52

- sign 2856.367+/-0.542 χ^2/NDF: 2243426.8/26

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.843+/-451.547 χ^2/NDF:22.2/9

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

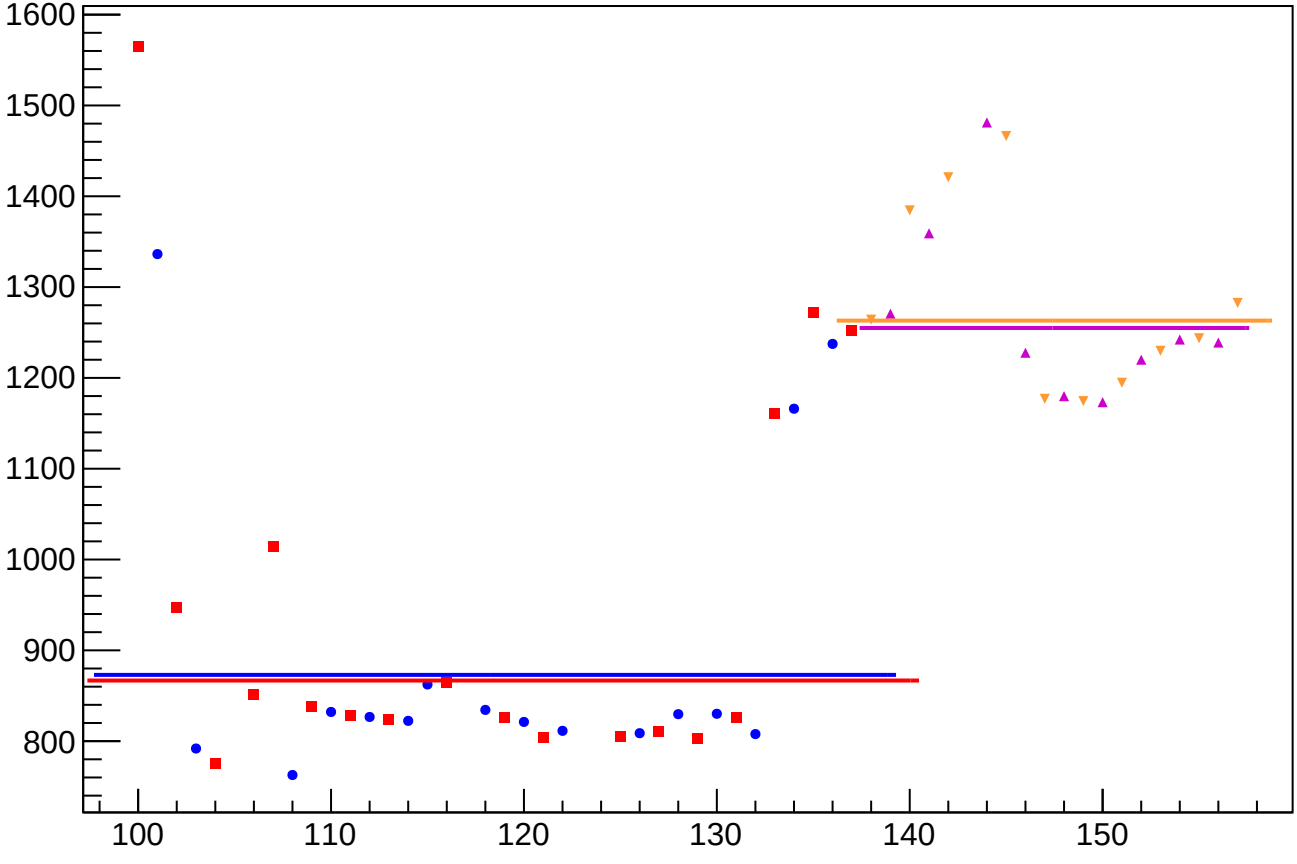
Left In: 712.541+/-449.318 χ^2/NDF:3.3/8

+ sign 262.872+/-266.479 χ^2/NDF: 37.9/25

All: 329.433+/-187.889 χ^2/NDF: 65.0/52

- sign 395.235+/-264.958 χ^2/NDF: 27.0/26

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1263.094+/-0.319 χ^2/NDF:80711.9/9

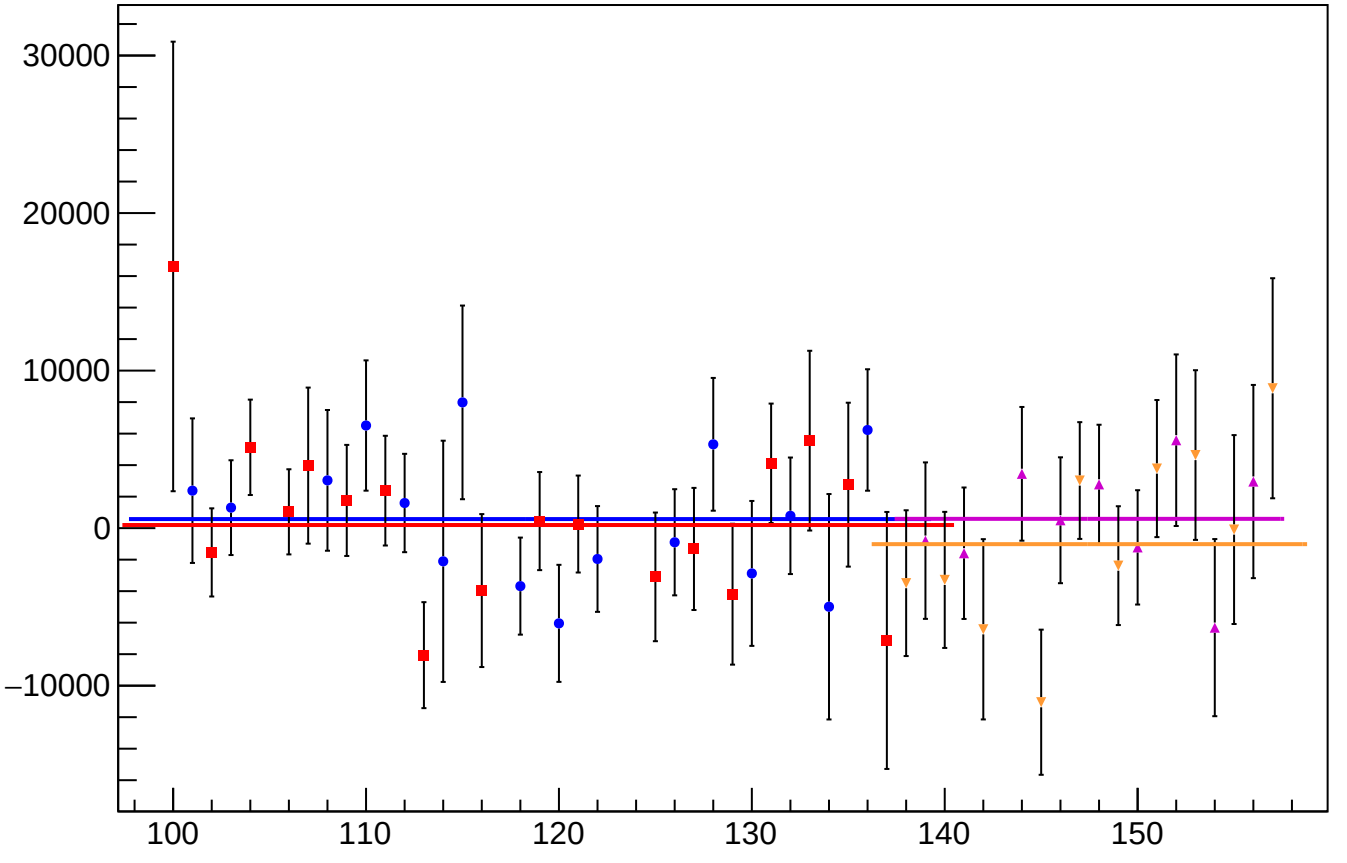
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1254.960+/-0.318 χ^2/NDF:70949.6/8

+ sign 1008.840+/-0.188 χ^2/NDF: 1470763.7/25

All: 1005.189+/-0.133 χ^2/NDF: 2807231.7/52

- sign 1001.584+/-0.187 χ^2/NDF: 1335721.8/26



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1016.526+/-1479.720 χ^2/NDF:11.9/9

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

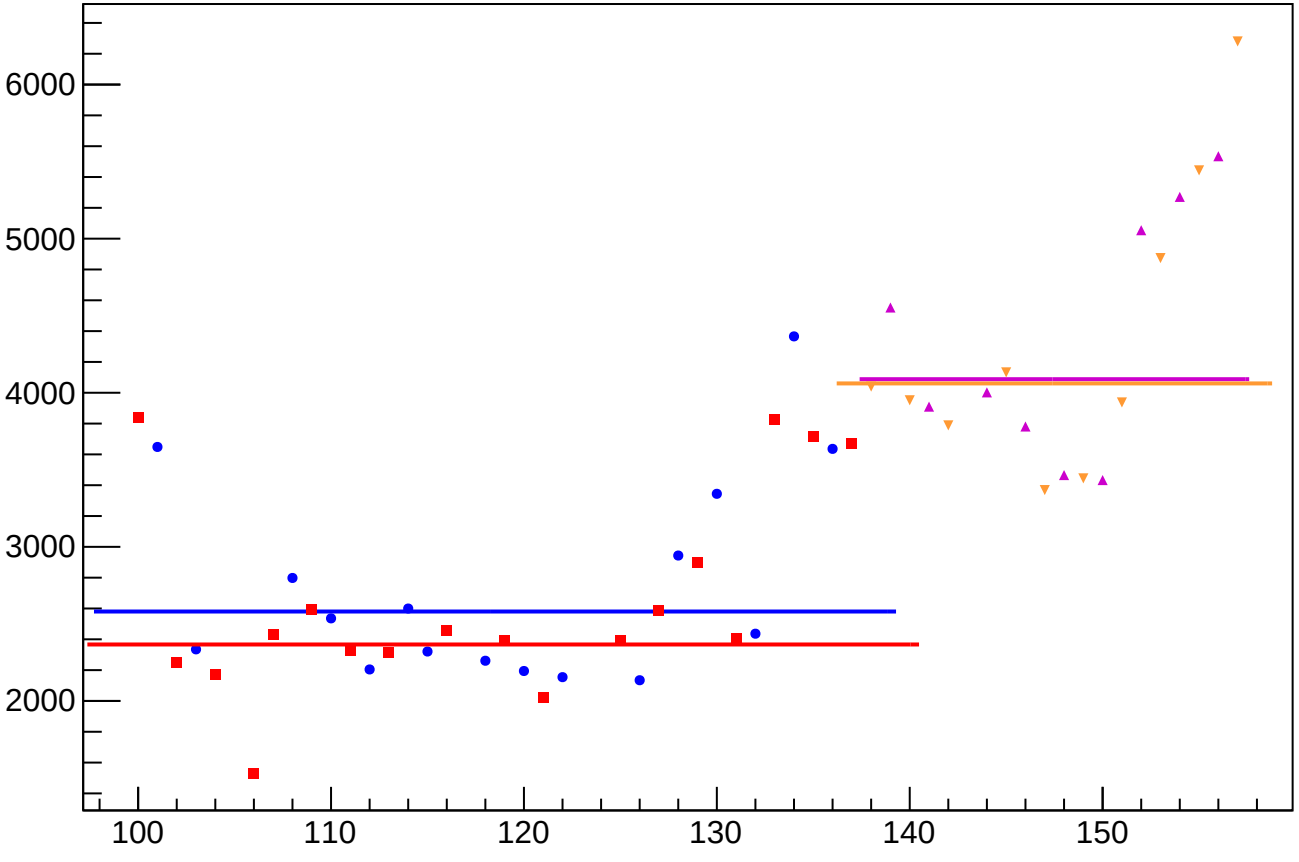
Left In: 589.784+/-1484.287 χ^2/NDF:3.9/8

+ sign 86.582+/-819.883 χ^2/NDF: 27.4/25

All: 201.767+/-559.683 χ^2/NDF: 48.5/52

- sign 302.281+/-765.894 χ^2/NDF: 21.1/26

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4060.551+/-1.046 χ^2/NDF:484998.7/9

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

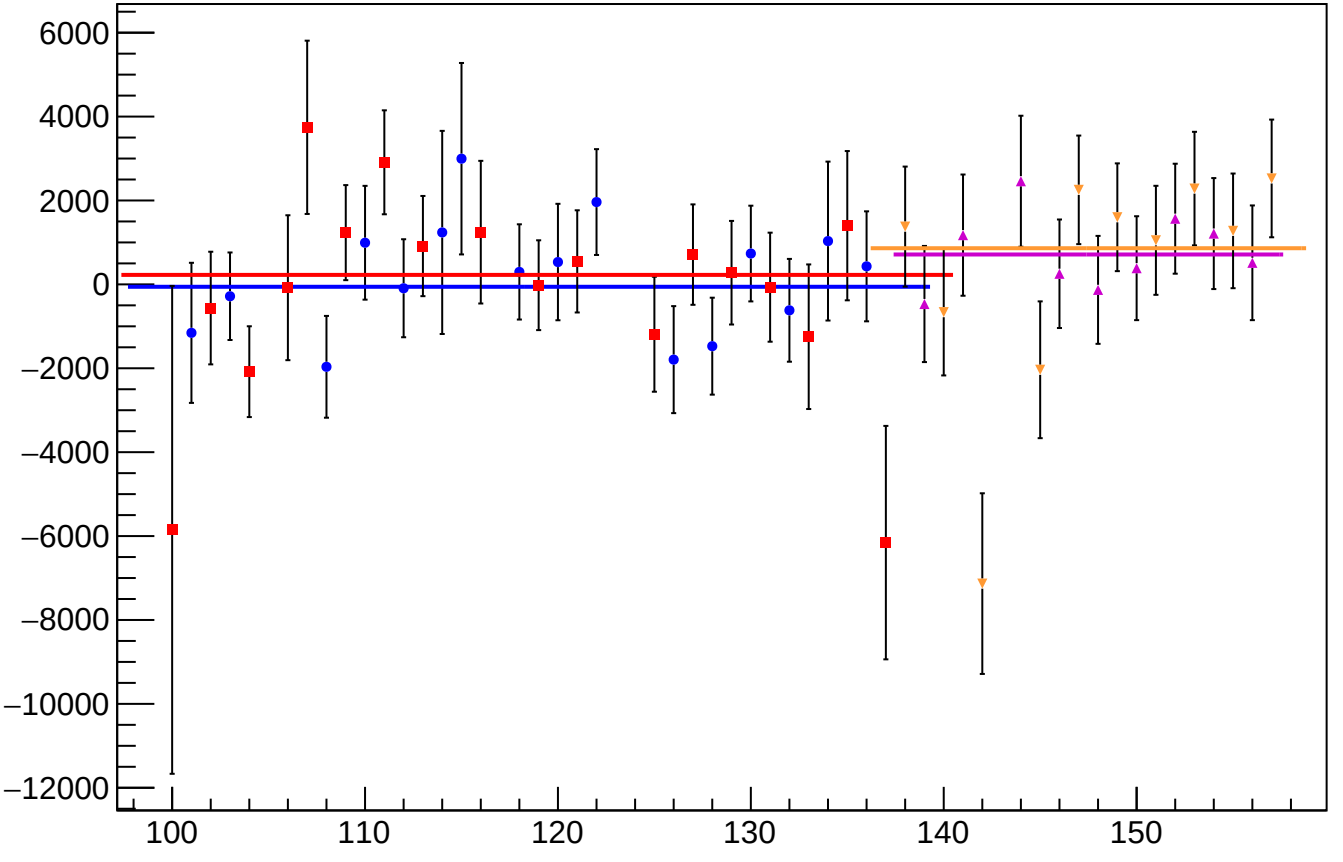
Left In: 4088.029+/-1.050 χ^2/NDF:415900.6/8

+ sign 3034.797+/-0.580 χ^2/NDF: 2488997.7/25

All: 2922.660+/-0.396 χ^2/NDF: 5560946.8/52

- sign 2824.805+/-0.542 χ^2/NDF: 3001887.4/26

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 861.839+/-451.548 χ^2/NDF:22.2/9

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

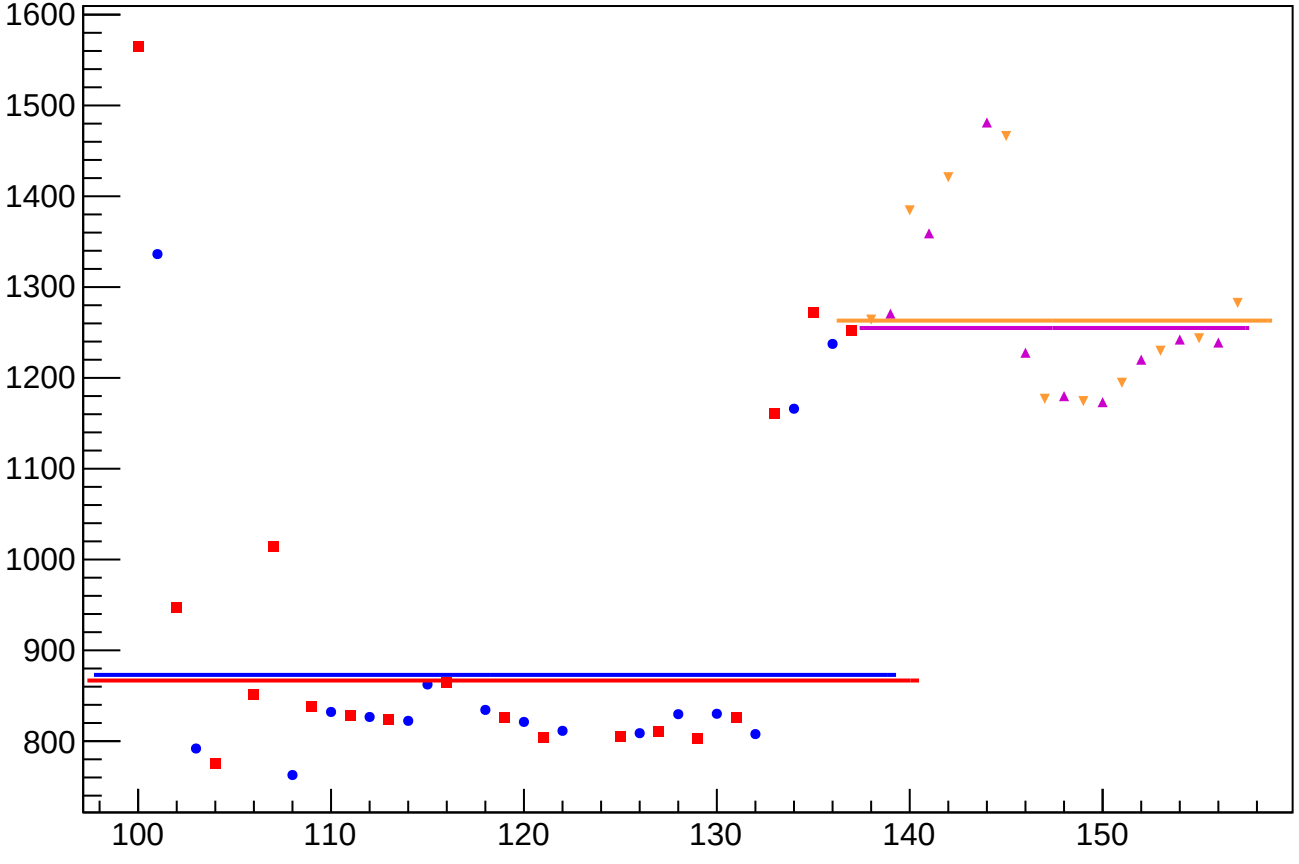
Left In: 712.540+/-449.319 χ^2/NDF:3.3/8

+ sign 262.869+/-266.479 χ^2/NDF: 37.9/25

All: 329.432+/-187.889 χ^2/NDF: 65.0/52

- sign 395.237+/-264.958 χ^2/NDF: 27.0/26

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1263.095+/-0.319 χ^2/NDF:80713.3/9

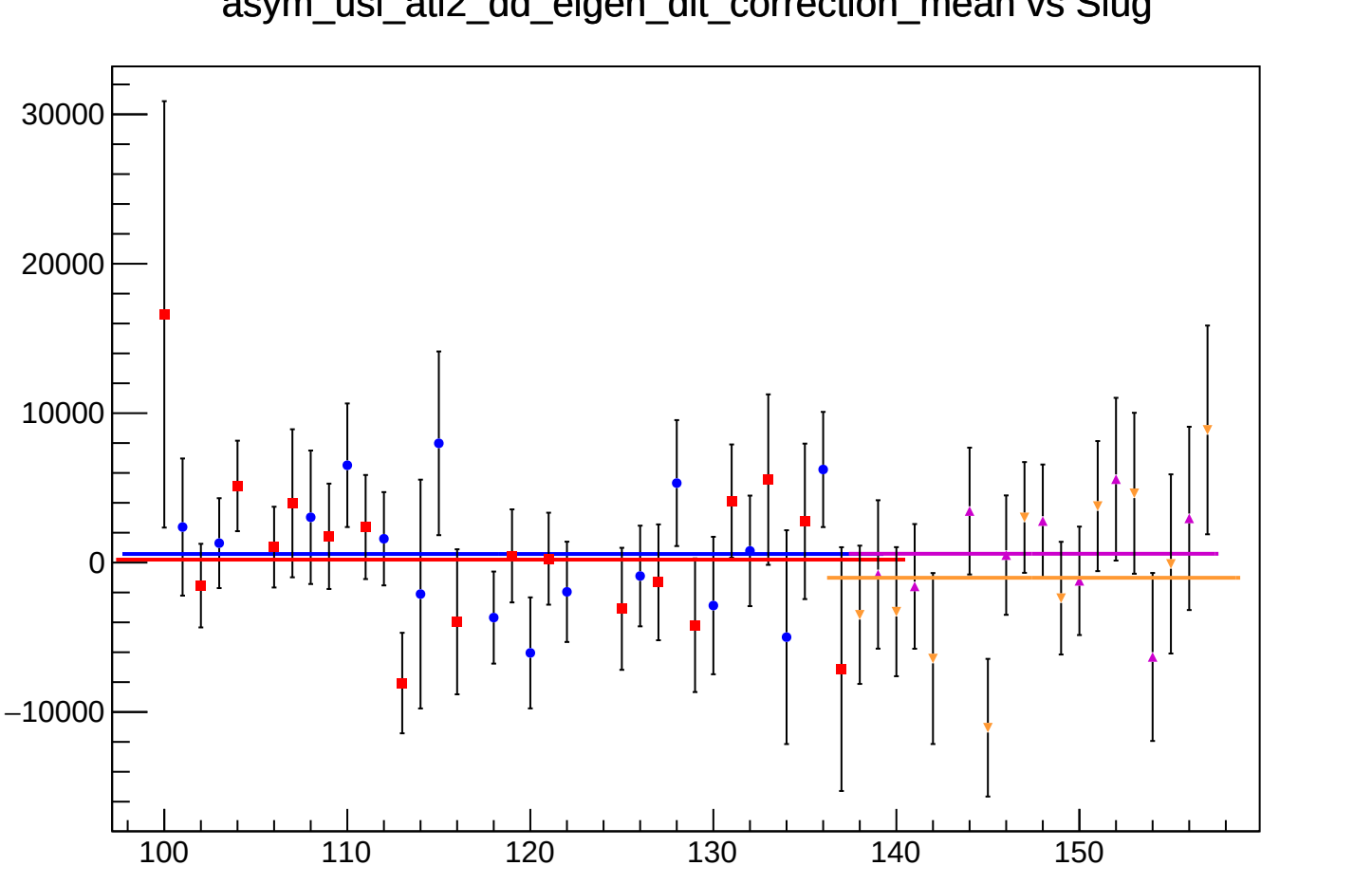
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1254.962+/-0.318 χ^2/NDF:70950.3/8

+ sign 1008.841+/-0.188 χ^2/NDF: 1470770.0/25

All: 1005.189+/-0.133 χ^2/NDF: 2807243.8/52

- sign 1001.584+/-0.187 χ^2/NDF: 1335727.6/26



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1016.527+/-1479.722 χ^2/NDF:11.9/9

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

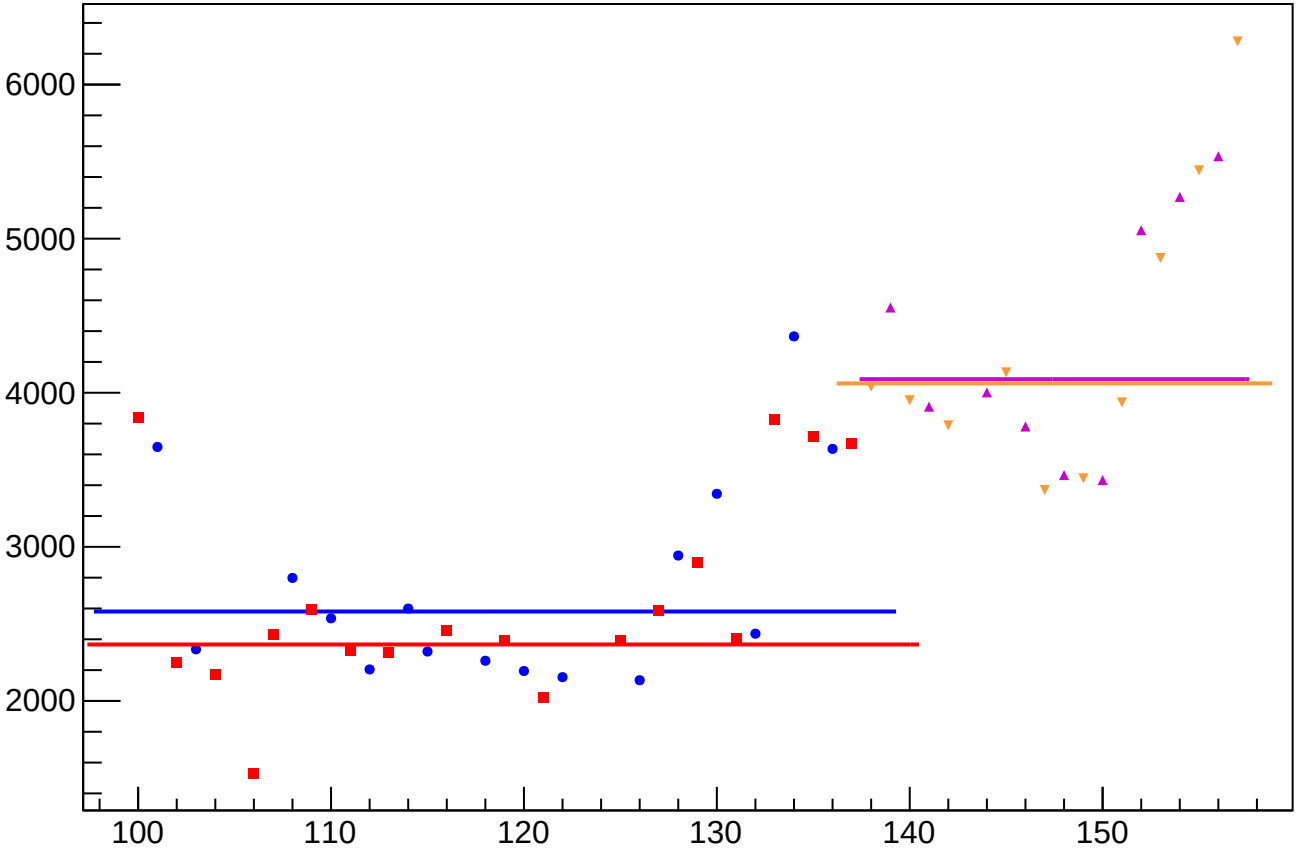
Left In: 589.784+/-1484.289 χ^2/NDF:3.9/8

+ sign 86.581+/-819.882 χ^2/NDF: 27.4/25

All: 201.767+/-559.682 χ^2/NDF: 48.5/52

- sign 302.282+/-765.892 χ^2/NDF: 21.1/26

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4060.557+/-1.046 χ^2/NDF:485001.6/9

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

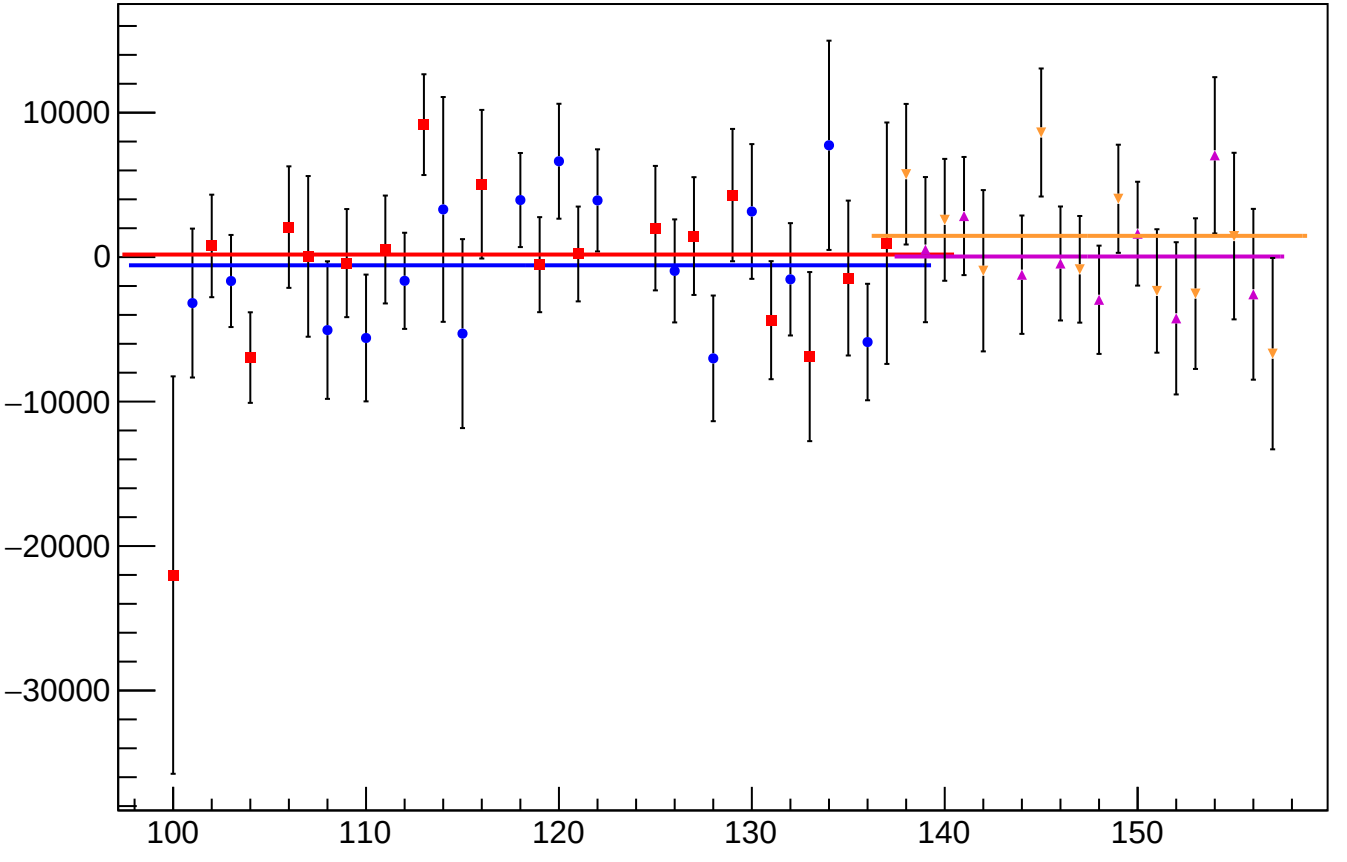
Left In: 4088.034+/-1.050 χ^2/NDF:415904.3/8

+ sign 3034.791+/-0.580 χ^2/NDF: 2489033.5/25

All: 2922.653+/-0.396 χ^2/NDF: 5561015.8/52

- sign 2824.798+/-0.542 χ^2/NDF: 3001920.7/26

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1472.438+/-1457.613 χ^2/NDF:7.4/9

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

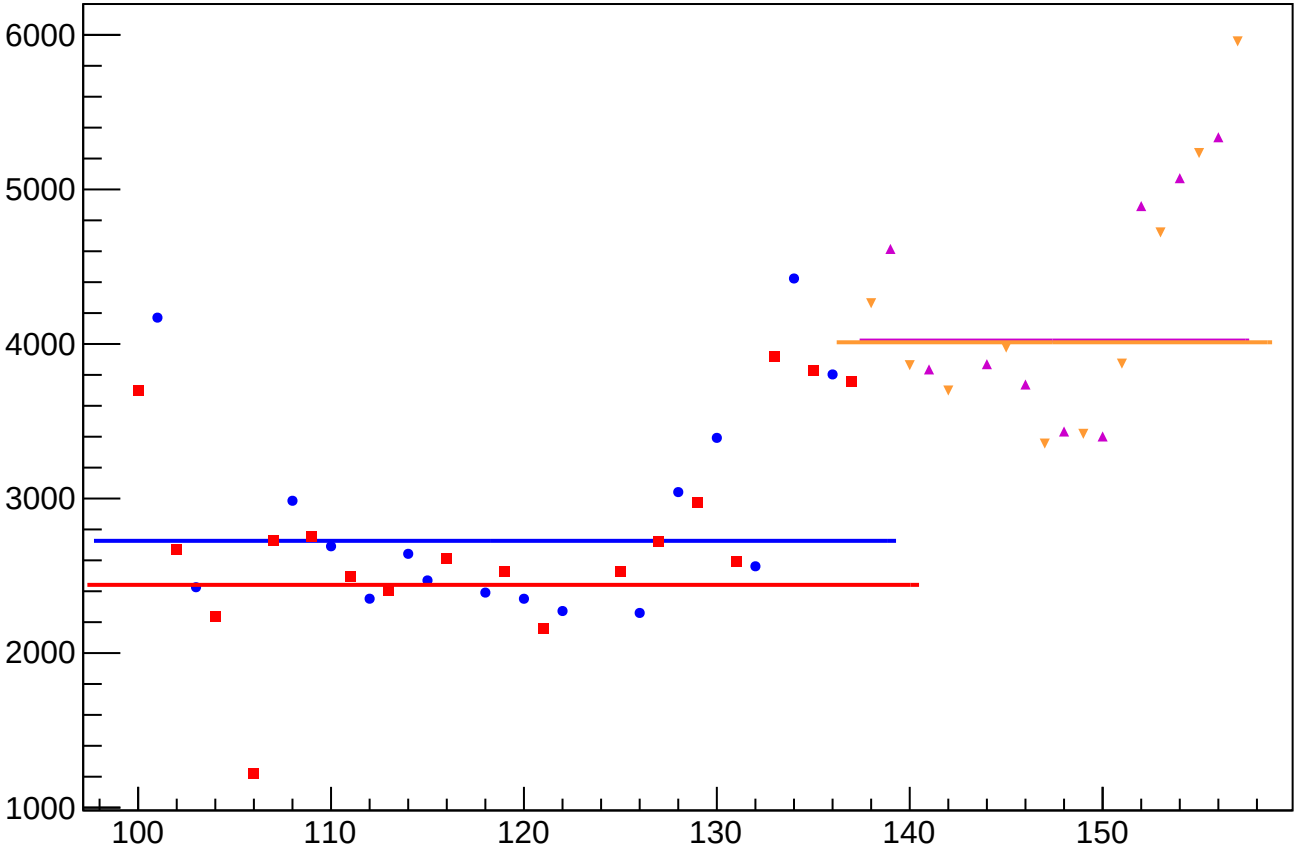
Left In: 42.136+/-1457.634 χ^2/NDF:4.0/8

+ sign 121.863+/-846.768 χ^2/NDF: 24.9/25

All: 128.973+/-588.342 χ^2/NDF: 48.4/52

- sign 135.609+/-818.058 χ^2/NDF: 23.5/26

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4010.992+/-1.031 χ^2/NDF:429787.4/9

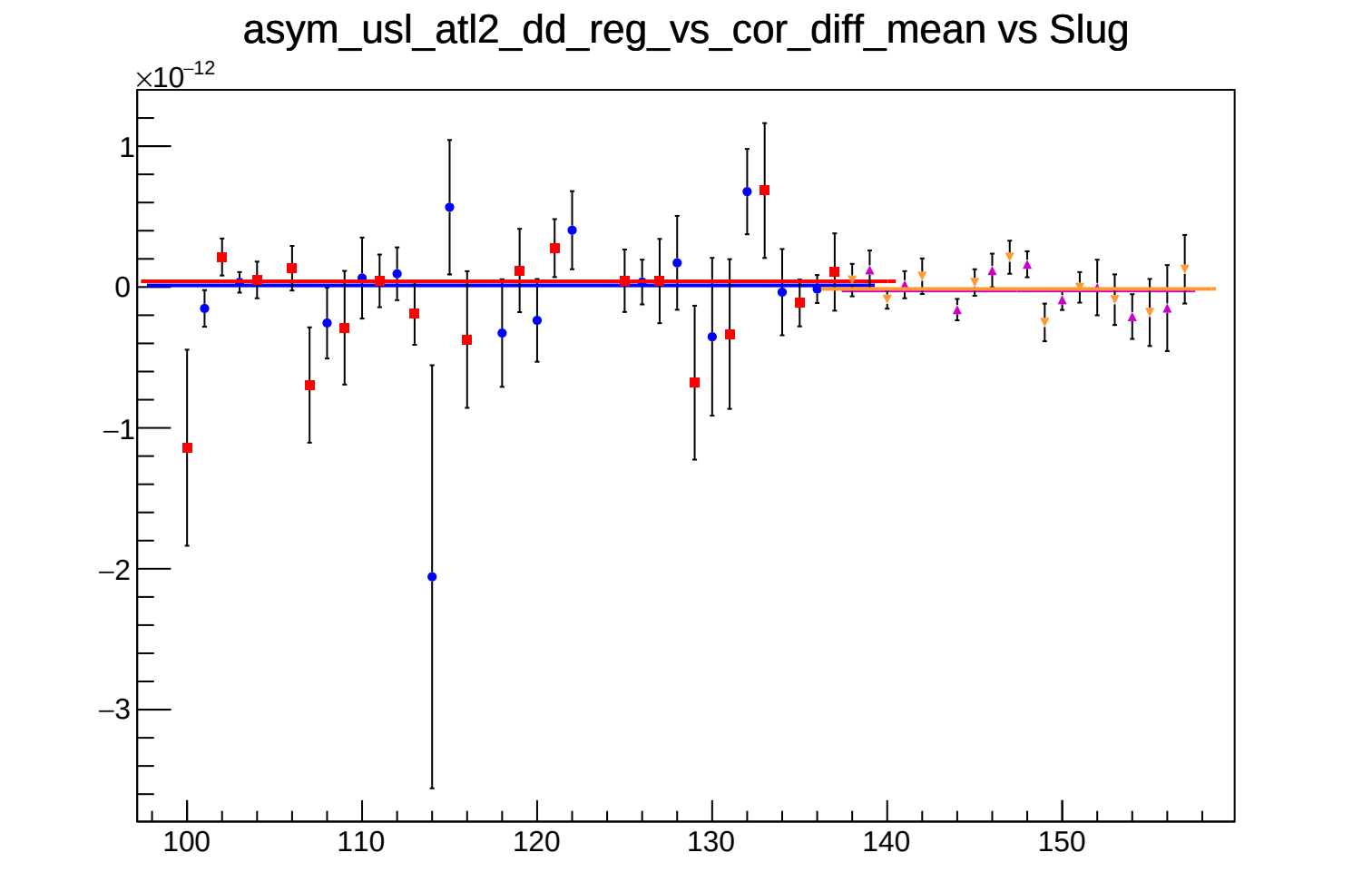
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4022.041+/-1.031 χ^2/NDF:383149.4/8

+ sign 3159.808+/-0.599 χ^2/NDF: 2082283.8/25

All: 3025.410+/-0.409 χ^2/NDF: 5108796.7/52

- sign 2907.871+/-0.560 χ^2/NDF: 2932065.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

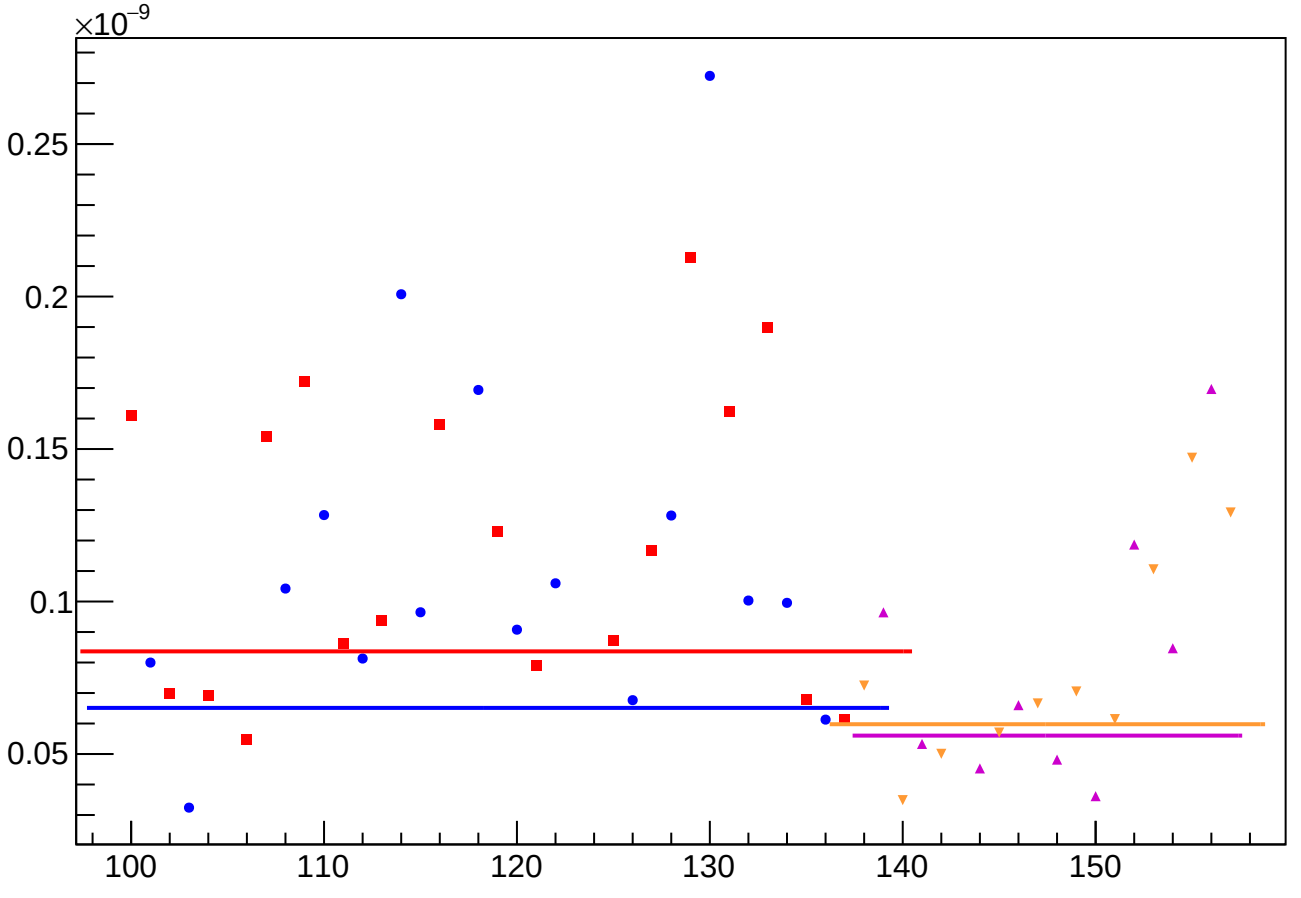
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 25.7/25

All: -0.000+/-0.000 χ^2/NDF: 56.0/52

- sign -0.000+/-0.000 χ^2/NDF: 30.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:926778.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

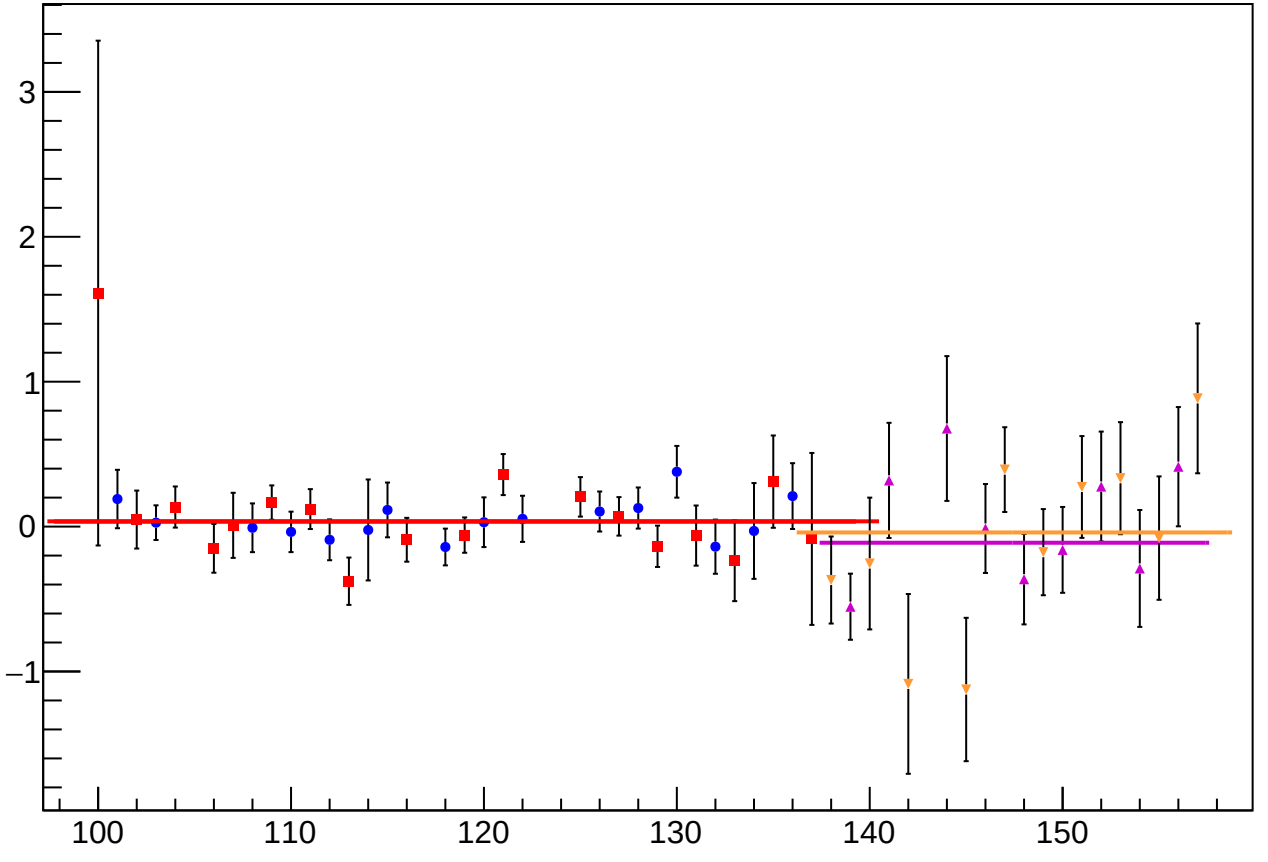
Left In: 0.000+/-0.000 χ^2/NDF:934818.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 2166927.6/25

All: 0.000+/-0.000 χ^2/NDF: 4172062.7/52

- sign 0.000+/-0.000 χ^2/NDF: 1996825.0/26

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

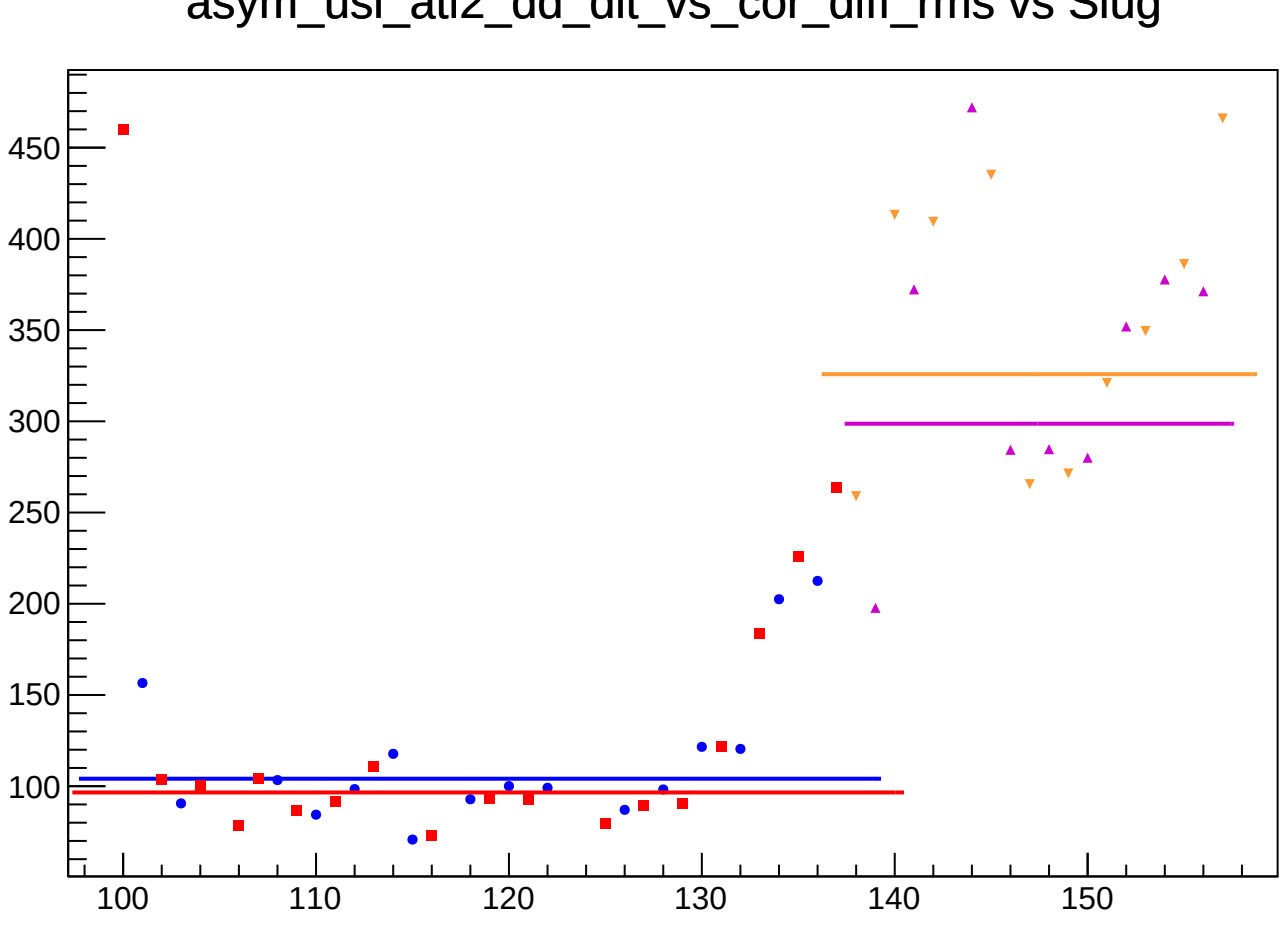
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.111+/-0.111 χ^2/NDF:11.1/8

+ sign 0.027+/-0.039 χ^2/NDF: 26.5/25

All: 0.023+/-0.027 χ^2/NDF: 61.2/52

- sign 0.020+/-0.037 χ^2/NDF: 34.7/26



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 325.835+/-0.085 χ^2/NDF:653846.1/9

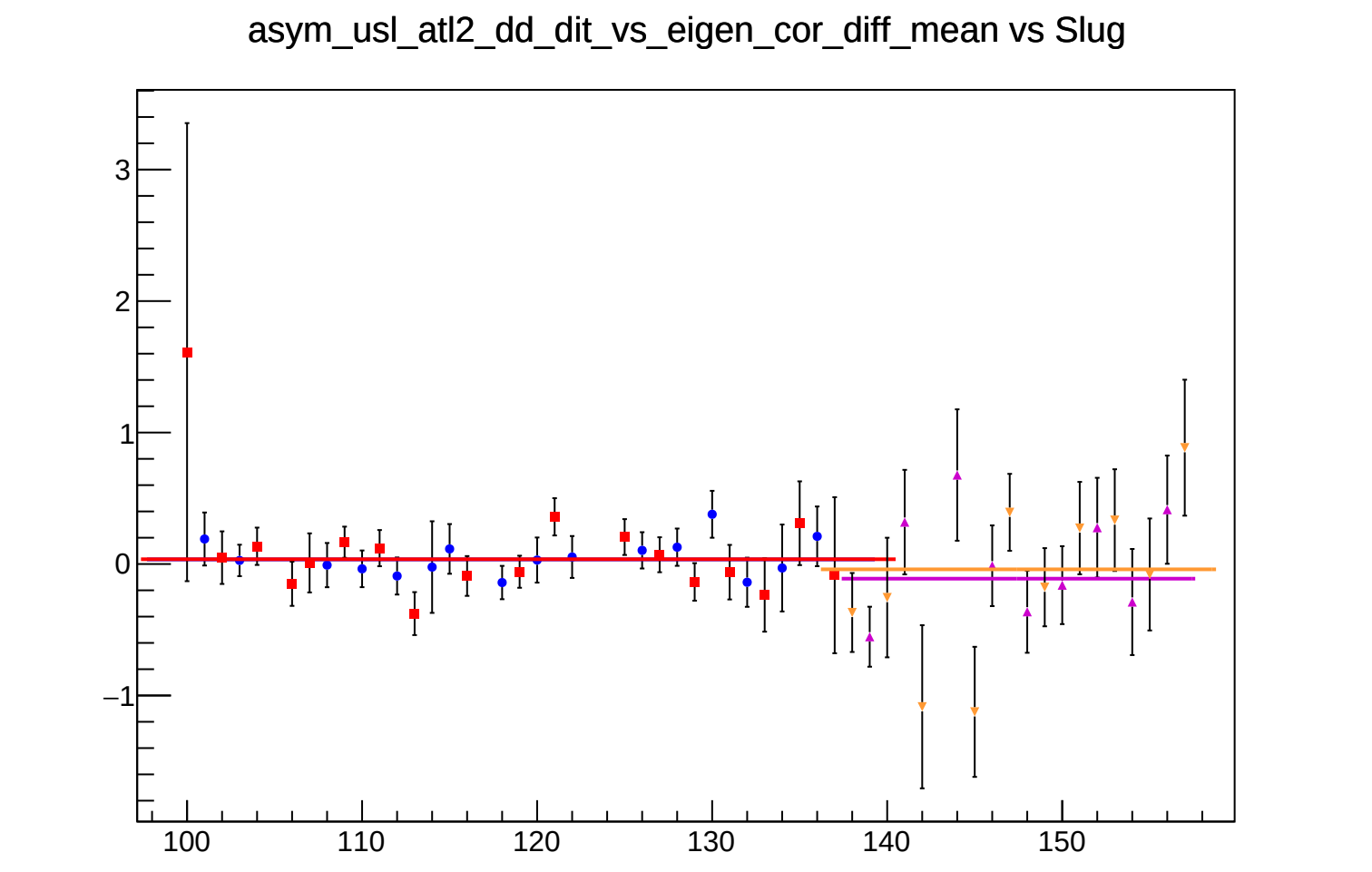
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 298.682+/-0.079 χ^2/NDF:895805.8/8

+ sign 127.372+/-0.027 χ^2/NDF: 7774352.4/25

All: 122.741+/-0.019 χ^2/NDF: 15564002.9/52

- sign 118.597+/-0.026 χ^2/NDF: 7735703.7/26



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

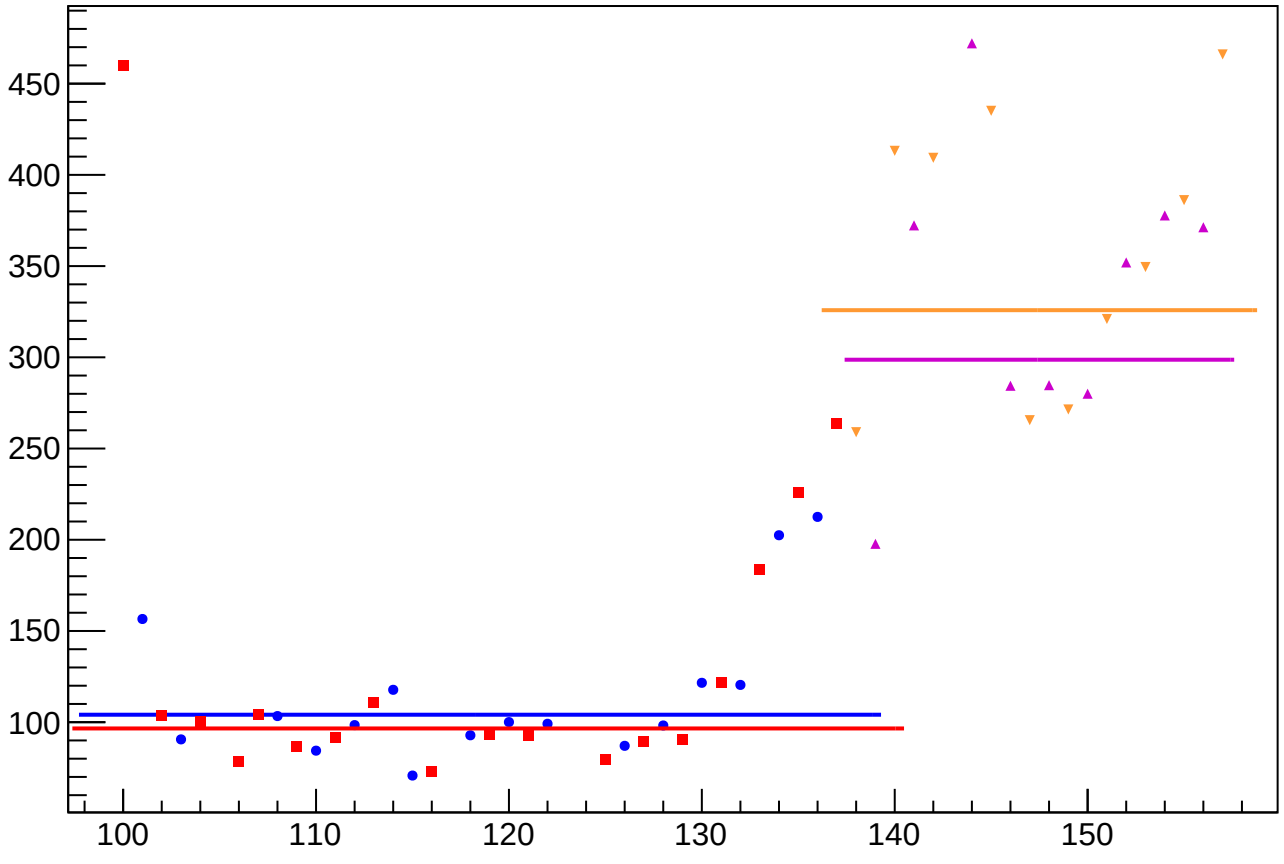
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.111+/-0.111 χ^2/NDF:11.1/8

+ sign 0.027+/-0.039 χ^2/NDF: 26.5/25

All: 0.023+/-0.027 χ^2/NDF: 61.2/52

- sign 0.020+/-0.037 χ^2/NDF: 34.7/26



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 325.835+/-0.085 χ^2/NDF:653846.1/9

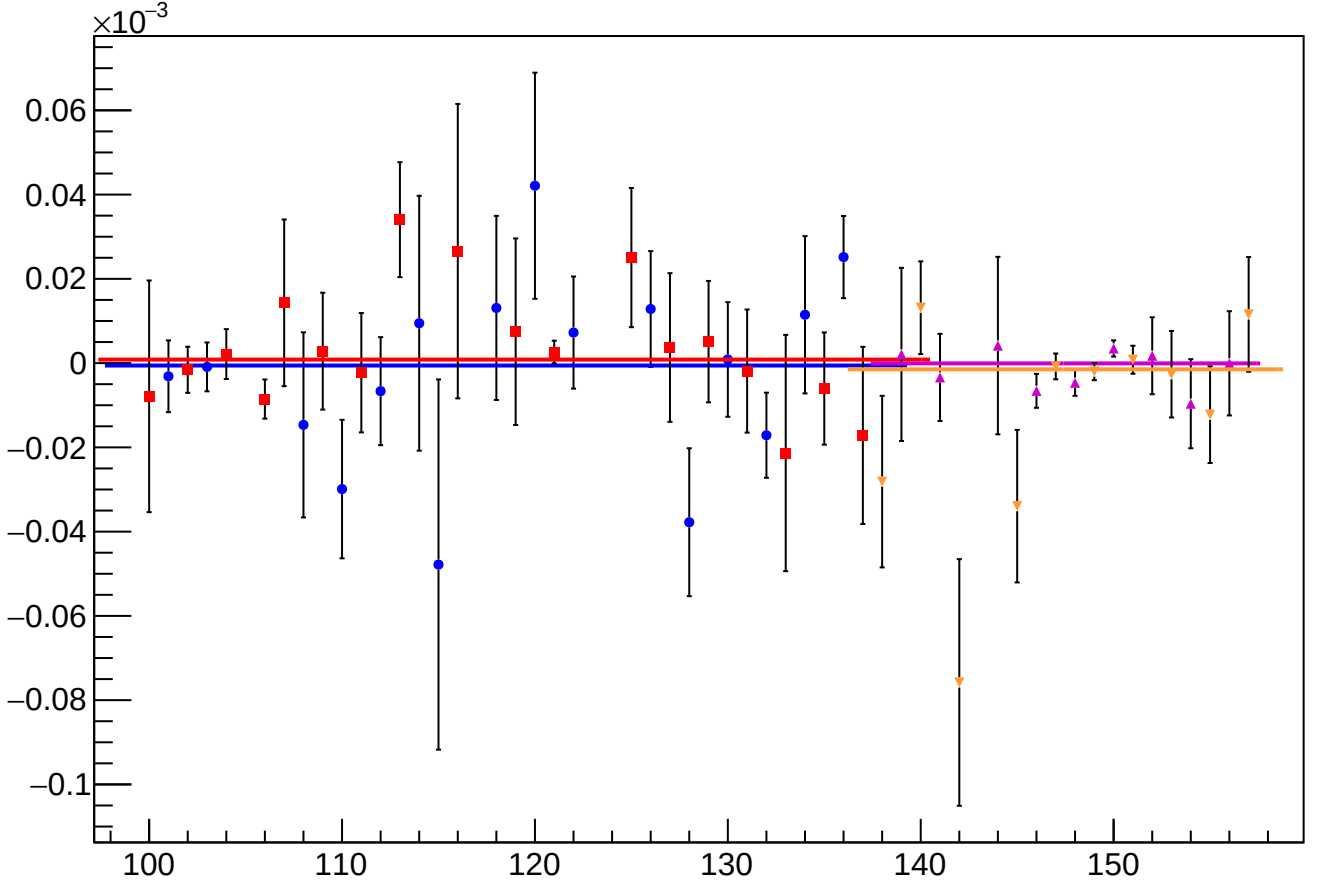
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 298.682+/-0.079 χ^2/NDF:895805.8/8

+ sign 127.372+/-0.027 χ^2/NDF: 7774352.4/25

All: 122.741+/-0.019 χ^2/NDF: 15564002.9/52

- sign 118.597+/-0.026 χ^2/NDF: 7735703.7/26



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

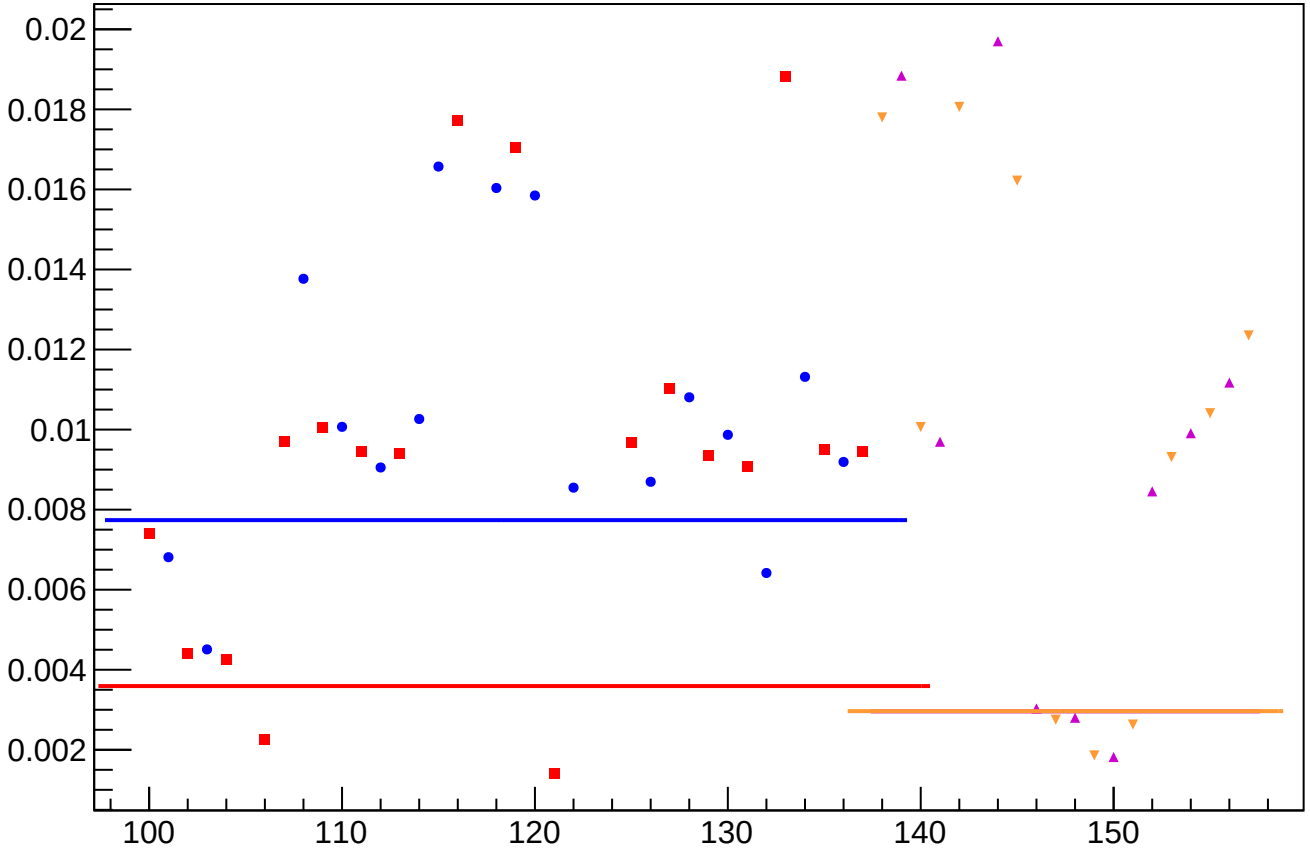
Left In: -0.000+/-0.000 χ^2/NDF:9.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/25

All: -0.000+/-0.000 χ^2/NDF: 65.6/52

- sign 0.000+/-0.000 χ^2/NDF: 25.2/26

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:6675332.3/9

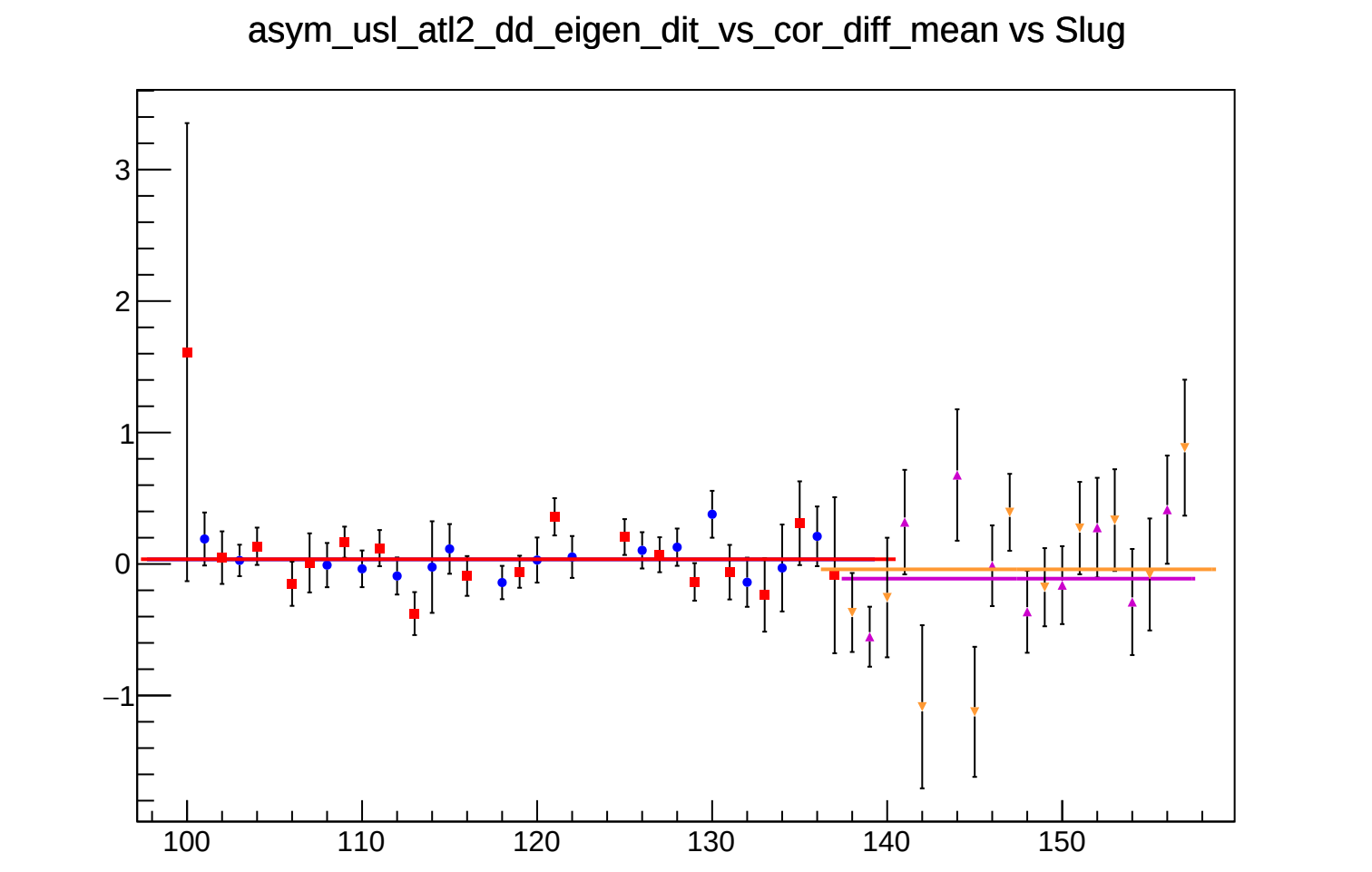
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:6487445.9/8

+ sign 0.004+/-0.000 χ^2/NDF: 12243158.3/25

All: 0.003+/-0.000 χ^2/NDF: 25491113.7/52

- sign 0.003+/-0.000 χ^2/NDF: 12998028.1/26



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.040+/-0.120 χ^2/NDF:16.4/9

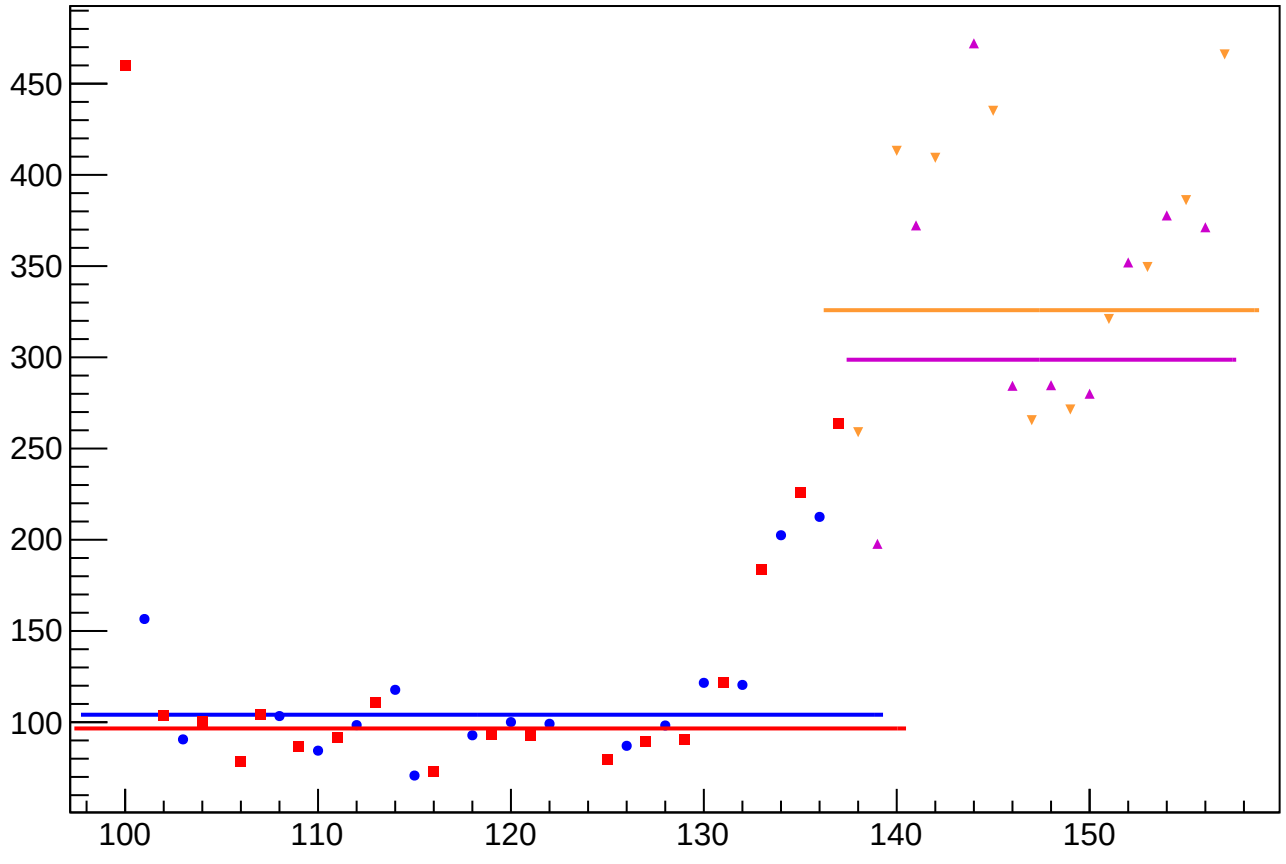
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.111+/-0.111 χ^2/NDF:11.1/8

+ sign 0.027+/-0.039 χ^2/NDF: 26.5/25

All: 0.023+/-0.027 χ^2/NDF: 61.2/52

- sign 0.020+/-0.037 χ^2/NDF: 34.7/26



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 325.838+/-0.085 χ^2/NDF:653899.0/9

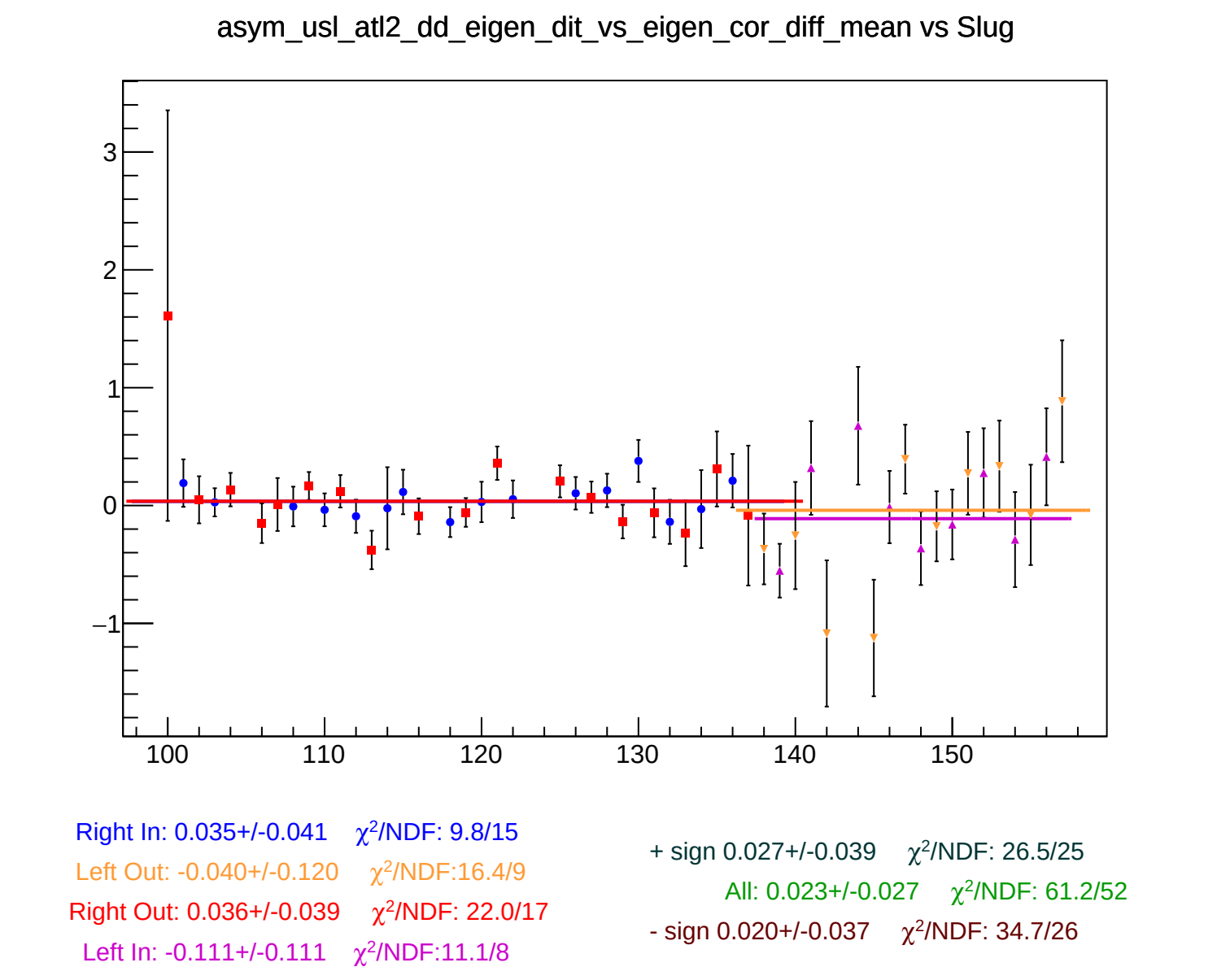
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

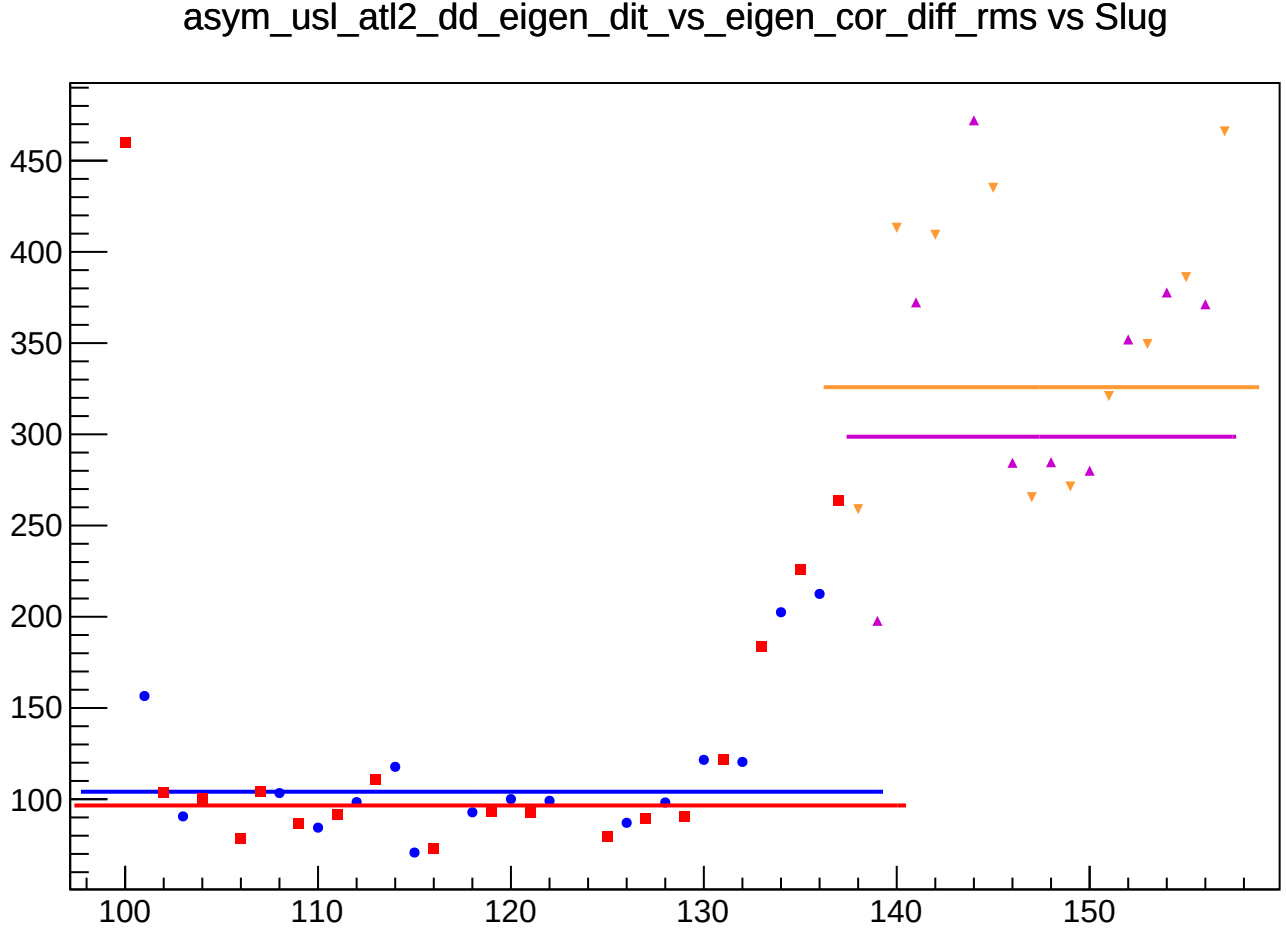
Left In: 298.686+/-0.079 χ^2/NDF:895794.1/8

+ sign 127.373+/-0.027 χ^2/NDF: 7774342.6/25

All: 122.742+/-0.019 χ^2/NDF: 15563918.4/52

- sign 118.598+/-0.026 χ^2/NDF: 7735636.4/26


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.040+/-0.120 χ²/NDF:16.4/9
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.111+/-0.111 χ²/NDF:11.1/8
+ sign 0.027+/-0.039 χ²/NDF: 26.5/25
All: 0.023+/-0.027 χ²/NDF: 61.2/52
- sign 0.020+/-0.037 χ²/NDF: 34.7/26



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 325.838+/-0.085 χ^2/NDF:653899.0/9

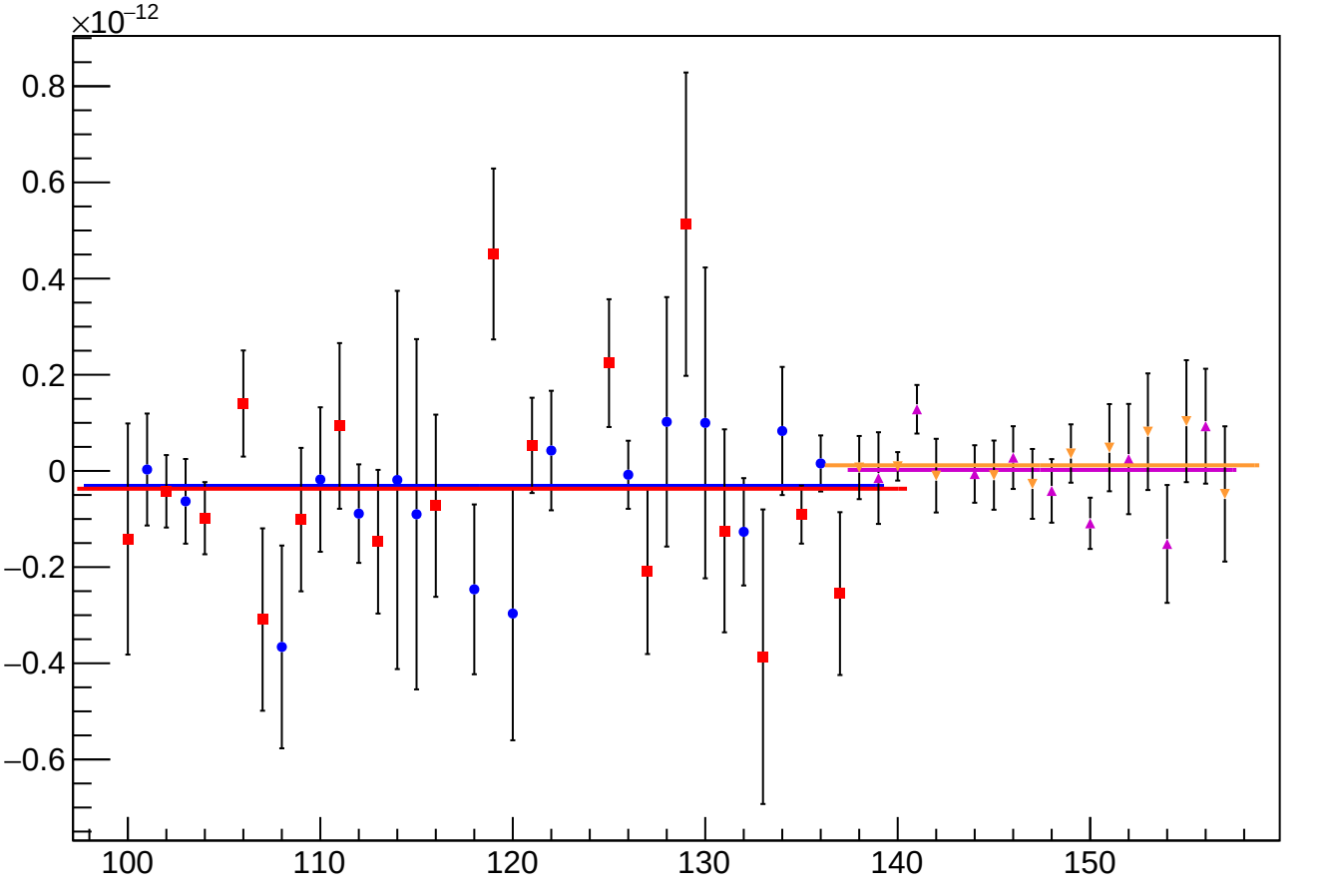
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 298.686+/-0.079 χ^2/NDF:895794.1/8

+ sign 127.373+/-0.027 χ^2/NDF: 7774342.6/25

All: 122.742+/-0.019 χ^2/NDF: 15563918.4/52

- sign 118.598+/-0.026 χ^2/NDF: 7735636.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/9

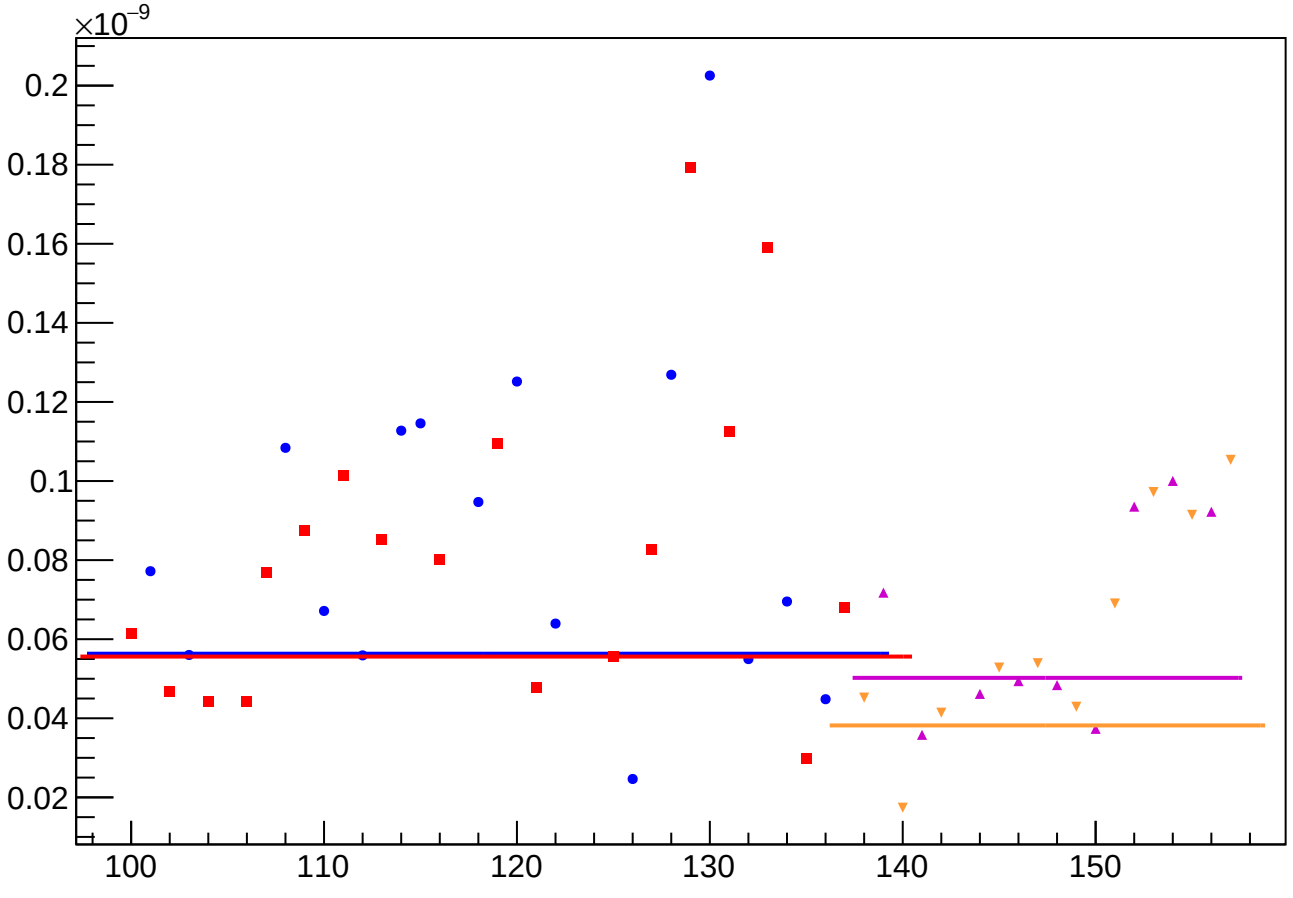
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 11.8/25

All: -0.000+/-0.000 χ^2/NDF: 53.6/52

- sign -0.000+/-0.000 χ^2/NDF: 41.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2717579.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

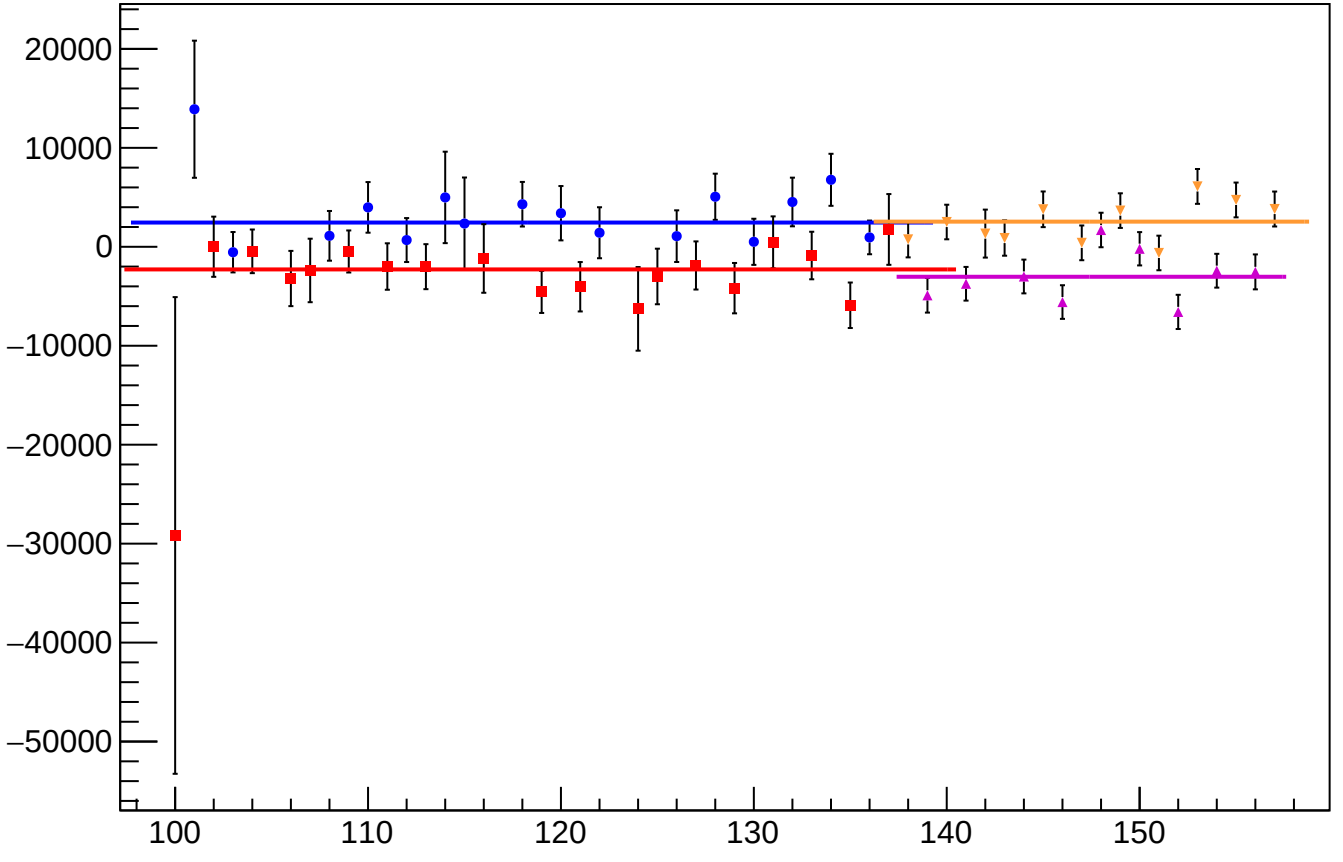
Left In: 0.000+/-0.000 χ^2/NDF:1255539.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 4816989.0/25

All: 0.000+/-0.000 χ^2/NDF: 8120125.3/52

- sign 0.000+/-0.000 χ^2/NDF: 3065046.9/26

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.624+/-544.963 χ^2/NDF:13.9/10

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

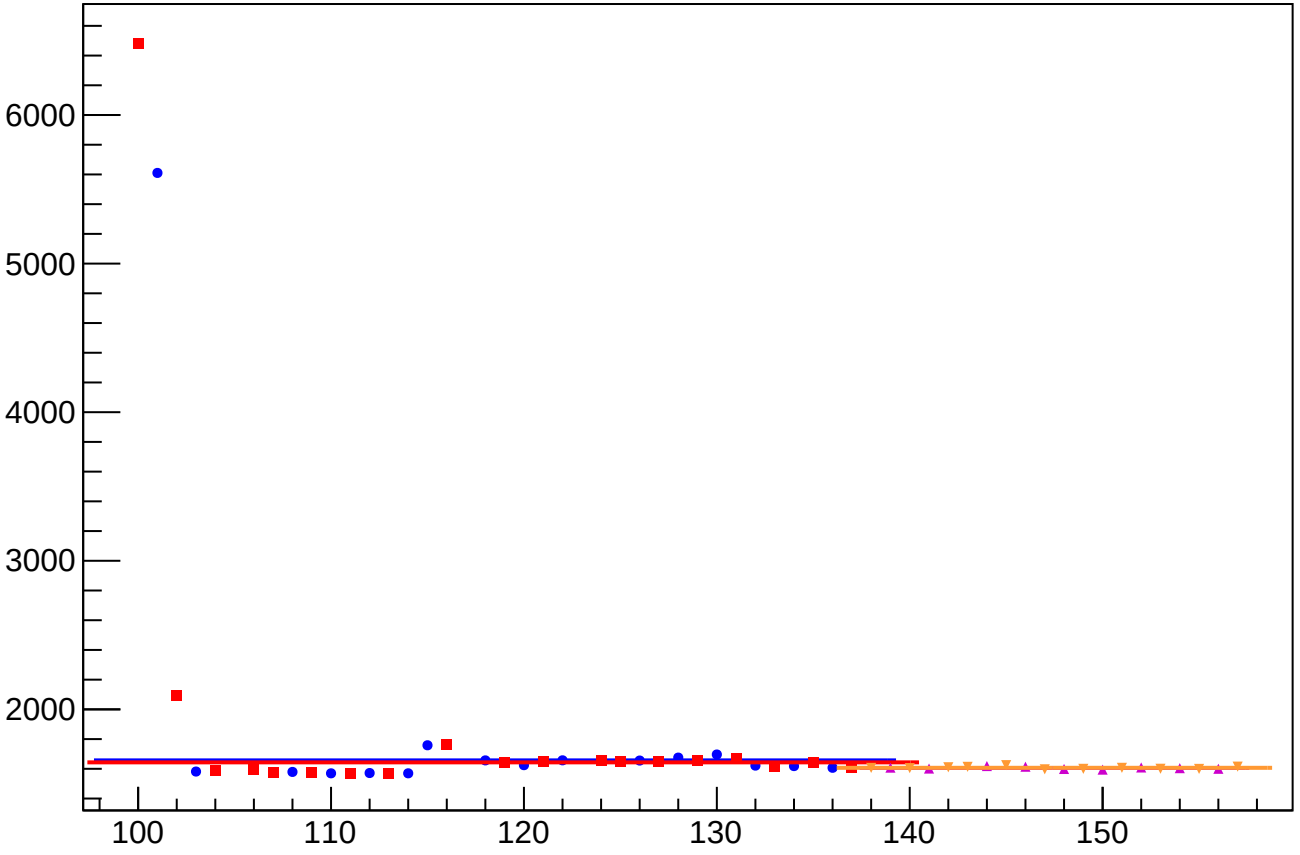
Left In: -3028.928+/-573.322 χ^2/NDF:18.2/8

+ sign 2502.979+/-412.224 χ^2/NDF: 27.8/26

All: -55.705+/-293.332 χ^2/NDF: 136.6/54

- sign -2680.227+/-417.494 χ^2/NDF: 30.8/27

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

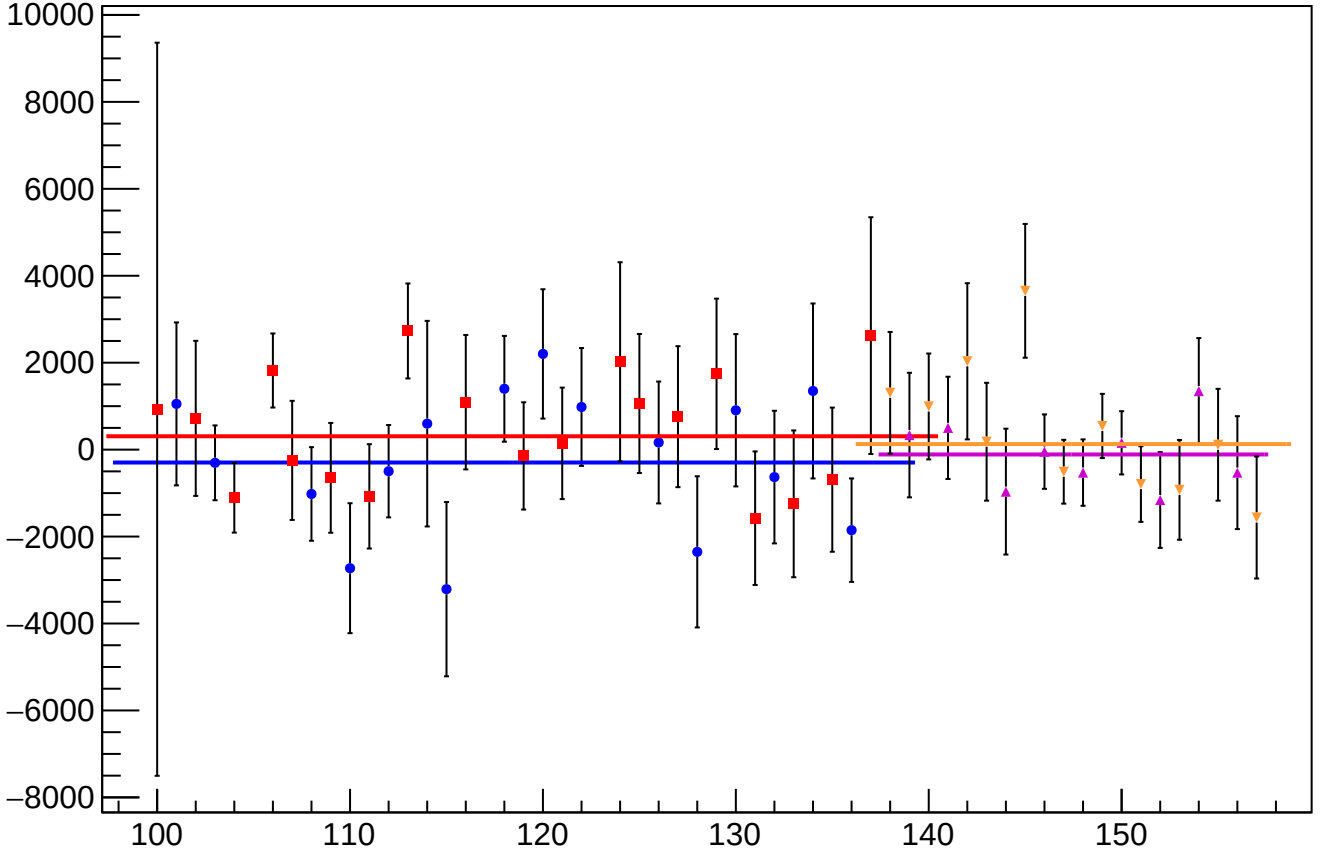
Left In: 1605.558+/-0.405 χ^2/NDF:323.9/8

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.7/26

All: 1625.735+/-0.207 χ^2/NDF: 815414.2/54

- sign 1623.347+/-0.295 χ^2/NDF: 141421.2/27

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 127.399+/-327.155 χ^2/NDF:12.1/10

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

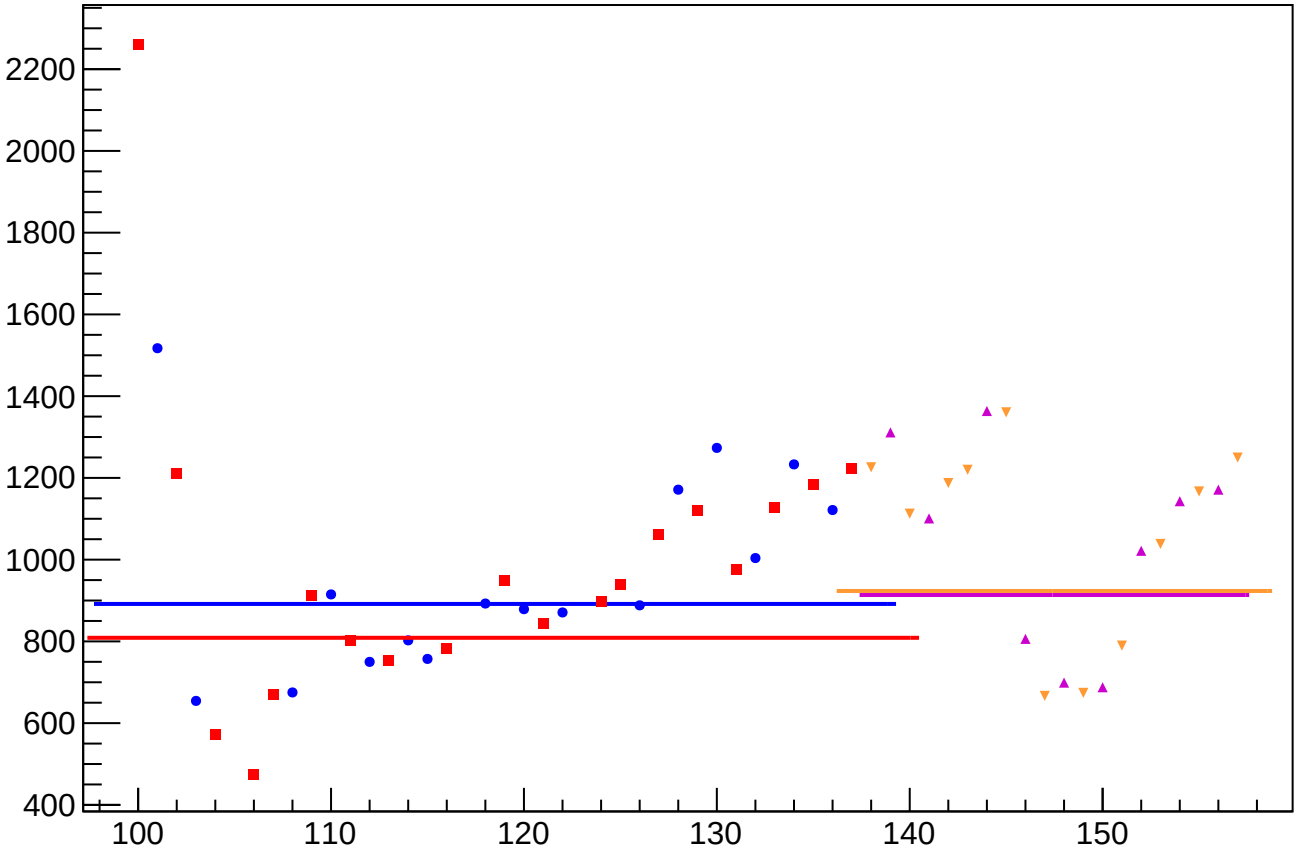
Left In: -111.039+/-338.197 χ^2/NDF:3.6/8

+ sign -74.241+/-236.880 χ^2/NDF: 28.8/26

All: 23.035+/-164.905 χ^2/NDF: 52.3/54

- sign 114.509+/-229.707 χ^2/NDF: 23.1/27

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 923.355+/-0.231 χ^2/NDF:1161807.7/10

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

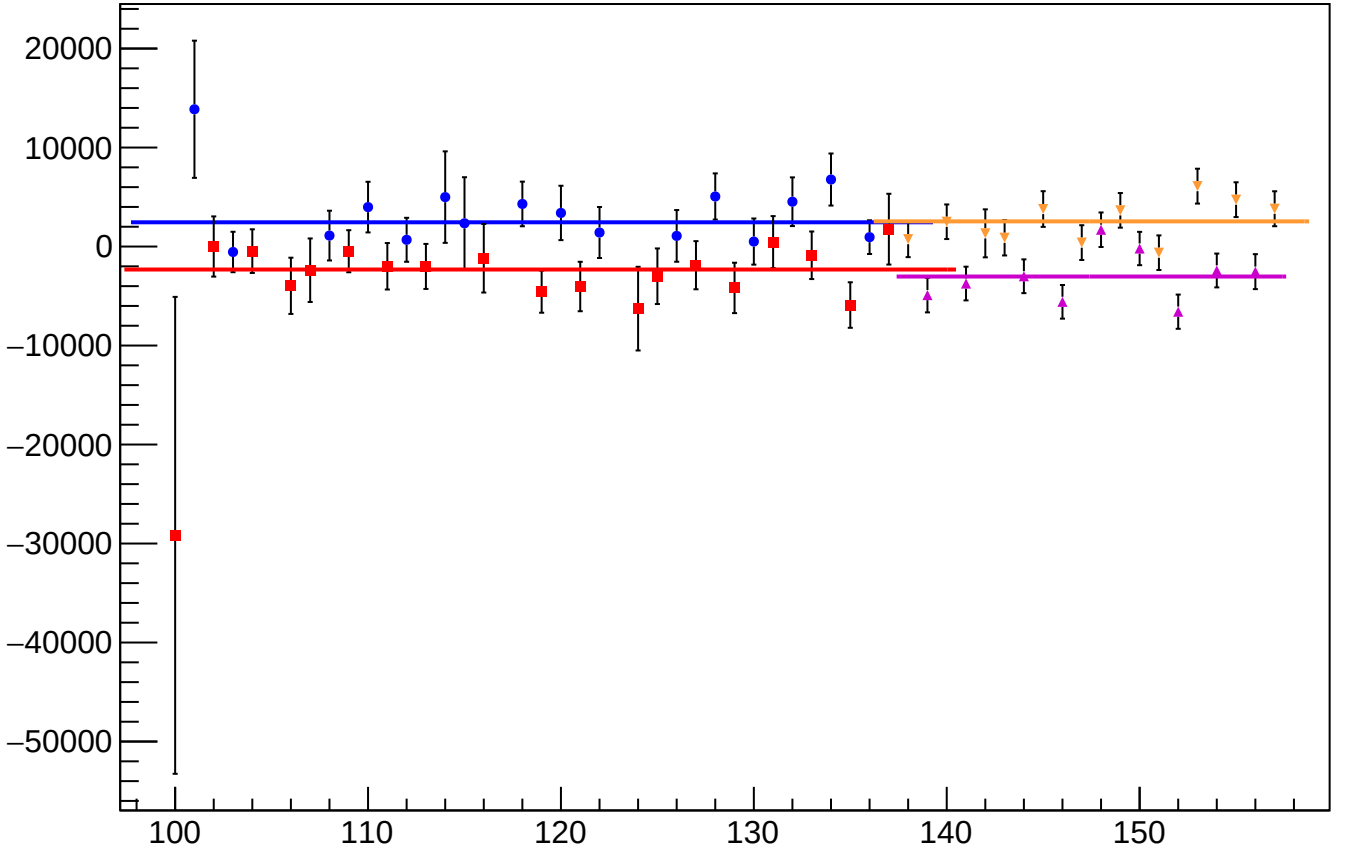
Left In: 913.511+/-0.239 χ^2/NDF:948450.9/8

+ sign 908.264+/-0.167 χ^2/NDF: 1964650.7/26

All: 881.901+/-0.117 χ^2/NDF: 4148266.4/54

- sign 857.111+/-0.162 χ^2/NDF: 2135550.1/27

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

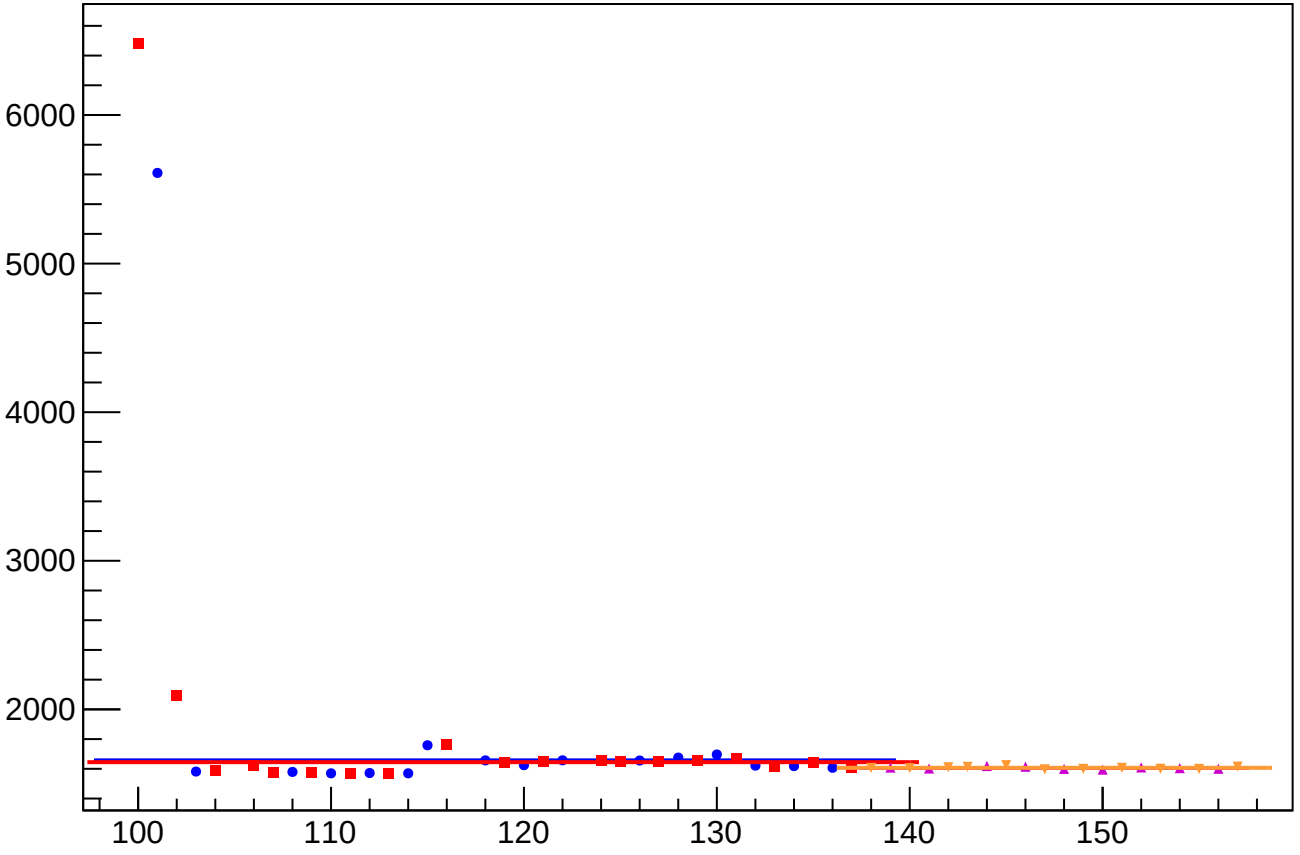
Left In: -3029.046+/-573.322 χ^2/NDF:18.2/8

+ sign 2502.738+/-412.224 χ^2/NDF: 27.7/26

All: -62.884+/-293.388 χ^2/NDF: 137.2/54

- sign -2696.550+/-417.655 χ^2/NDF: 31.0/27

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

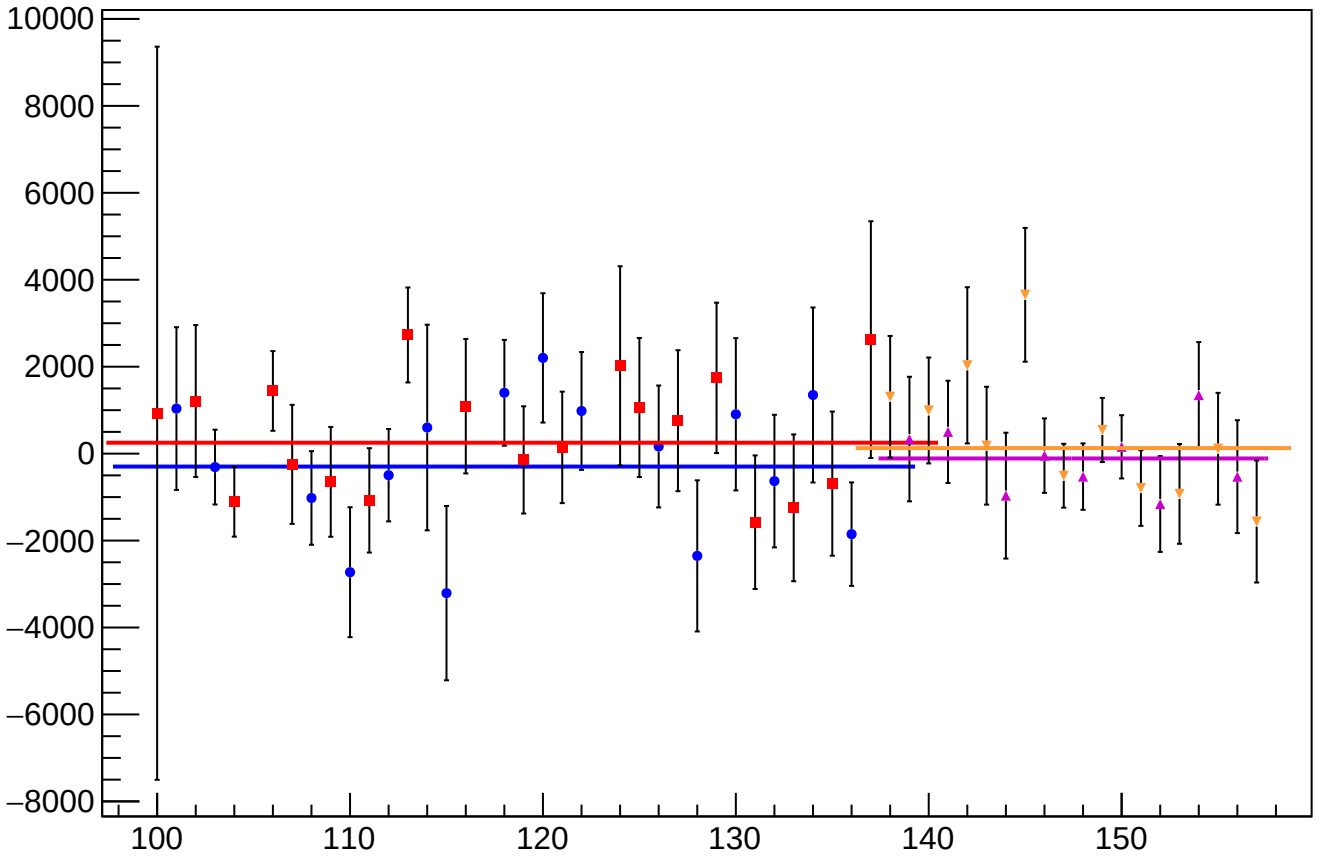
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1605.558+/-0.405 χ^2/NDF:323.9/8

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.3/26

All: 1626.030+/-0.207 χ^2/NDF: 815151.3/54

- sign 1623.943+/-0.295 χ^2/NDF: 141189.5/27



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 127.285+/-327.151 χ^2/NDF:12.1/10

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

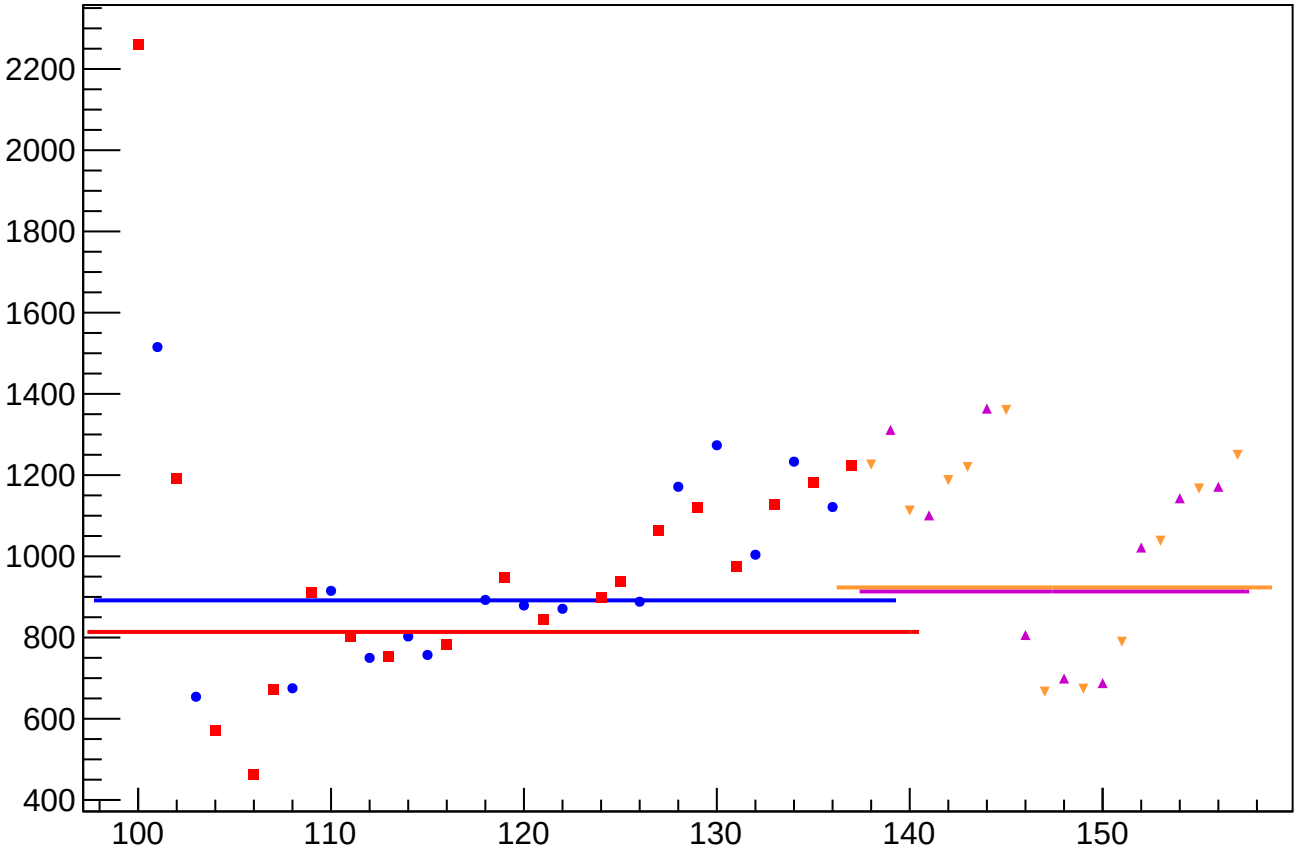
Left In: -111.098+/-338.199 χ^2/NDF:3.6/8

\+ sign -74.965+/-236.864 χ^2/NDF: 28.8/26

All: 5.805+/-165.301 χ^2/NDF: 50.5/54

\- sign 82.490+/-230.797 χ^2/NDF: 21.5/27

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 923.341+/-0.231 χ^2/NDF:1161890.2/10

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

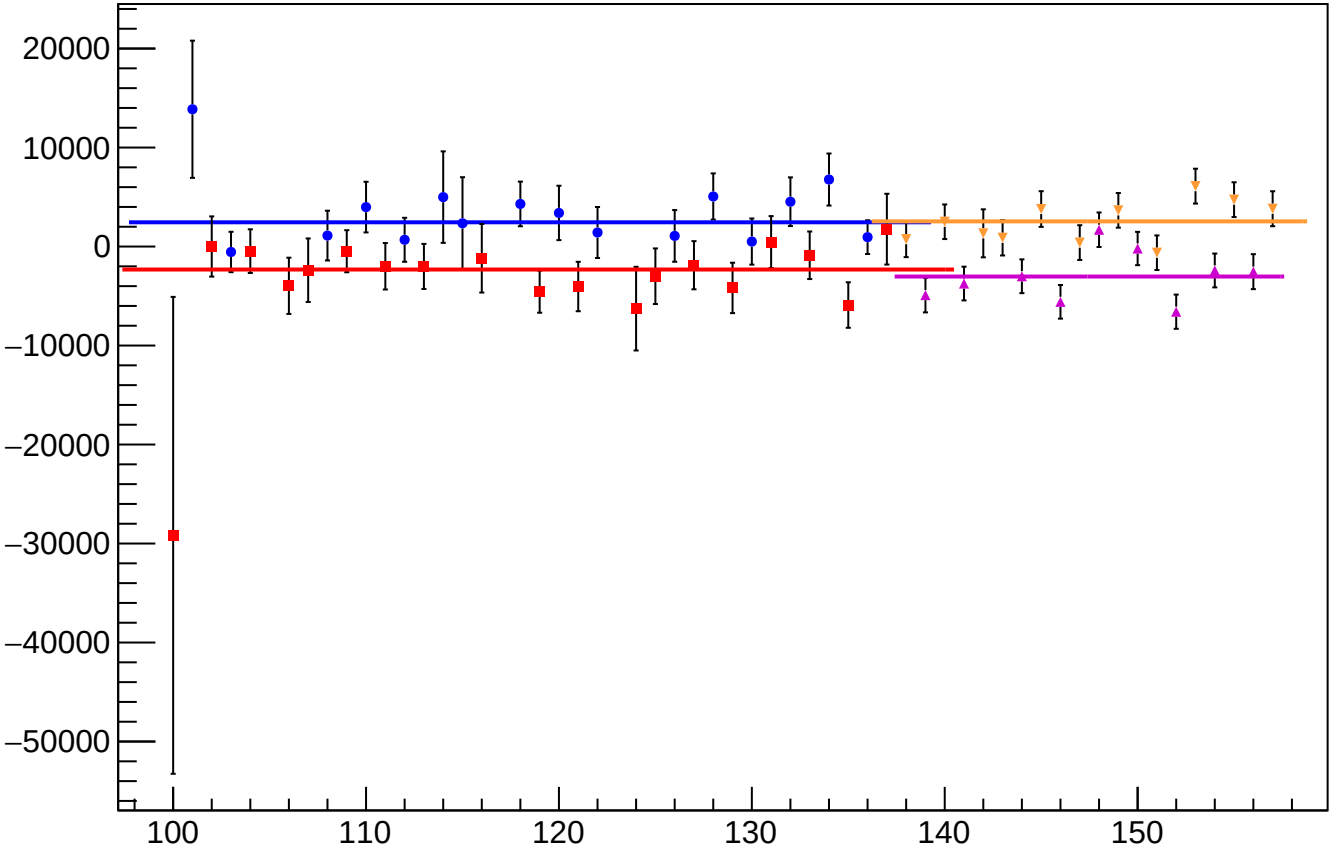
Left In: 913.518+/-0.239 χ^2/NDF:948405.4/8

+ sign 908.207+/-0.167 χ^2/NDF: 1964543.0/26

All: 883.603+/-0.117 χ^2/NDF: 4100892.3/54

- sign 860.243+/-0.163 χ^2/NDF: 2094281.8/27

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2542.621+/-544.963 χ^2/NDF:13.9/10

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

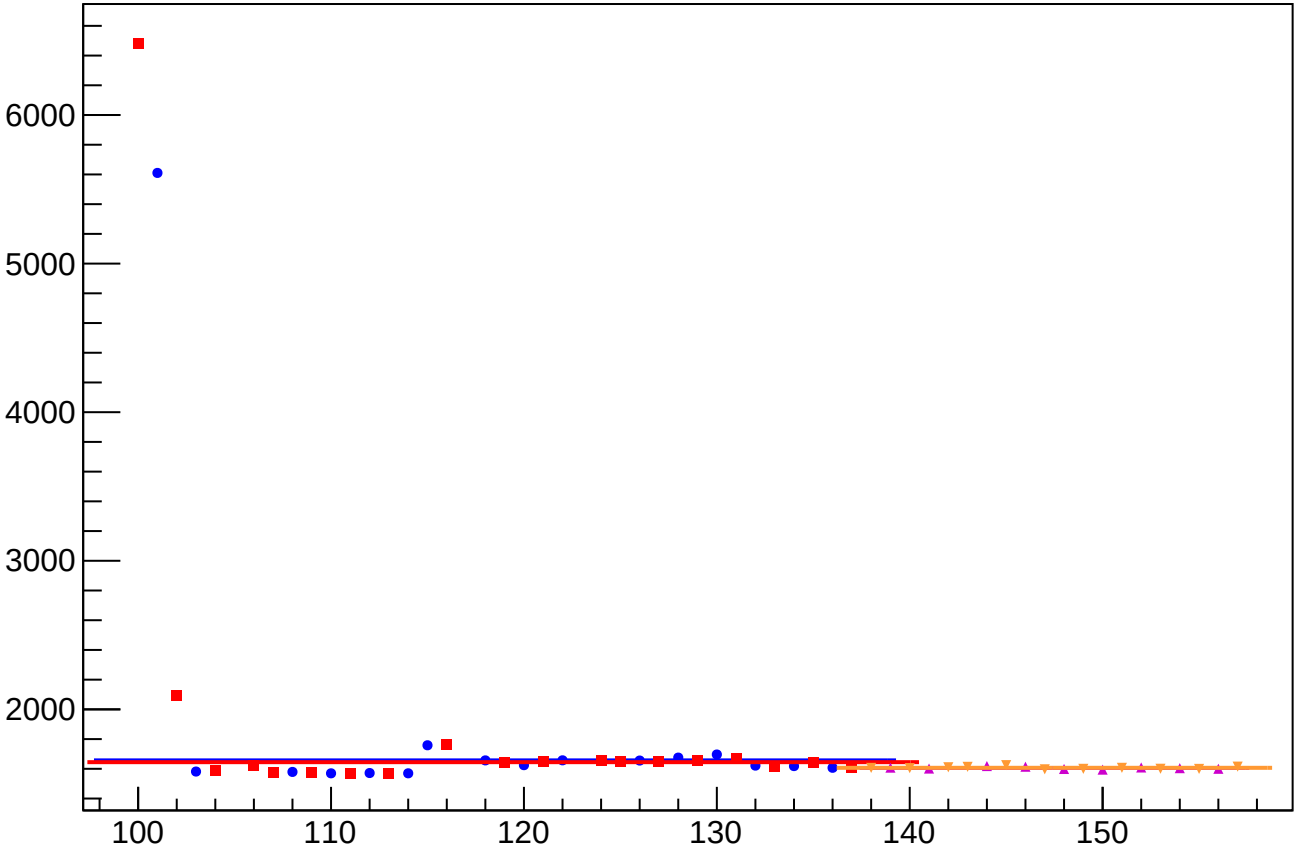
Left In: -3029.046+/-573.322 χ^2/NDF:18.2/8

+ sign 2502.738+/-412.224 χ^2/NDF: 27.7/26

All: -62.884+/-293.388 χ^2/NDF: 137.2/54

- sign -2696.550+/-417.655 χ^2/NDF: 31.0/27

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.665+/-0.385 χ^2/NDF:429.5/10

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

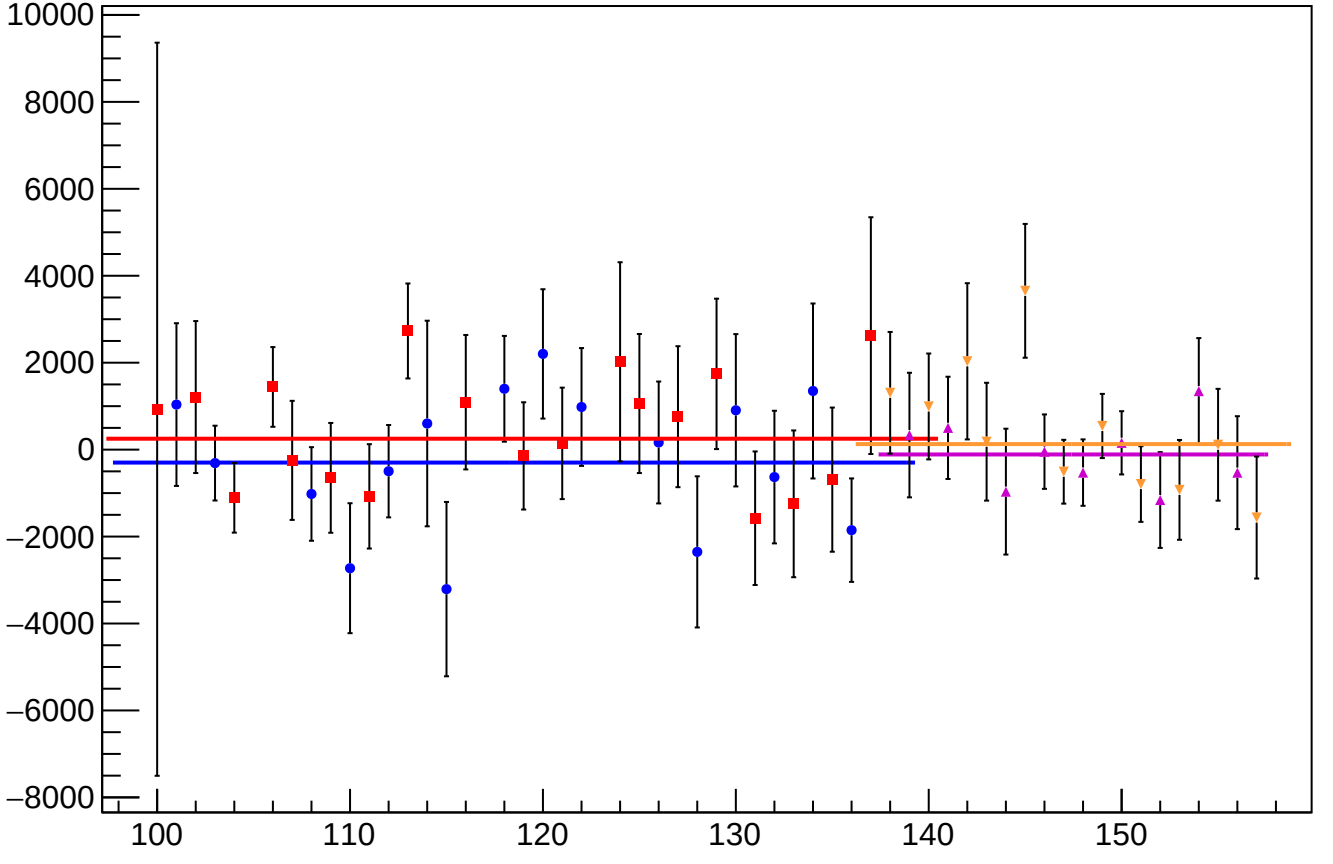
Left In: 1605.558+/-0.405 χ^2/NDF:323.9/8

+ sign 1628.064+/-0.291 χ^2/NDF: 673863.3/26

All: 1626.030+/-0.207 χ^2/NDF: 815151.3/54

- sign 1623.943+/-0.295 χ^2/NDF: 141189.5/27

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 127.285+/-327.151 χ^2/NDF:12.1/10

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

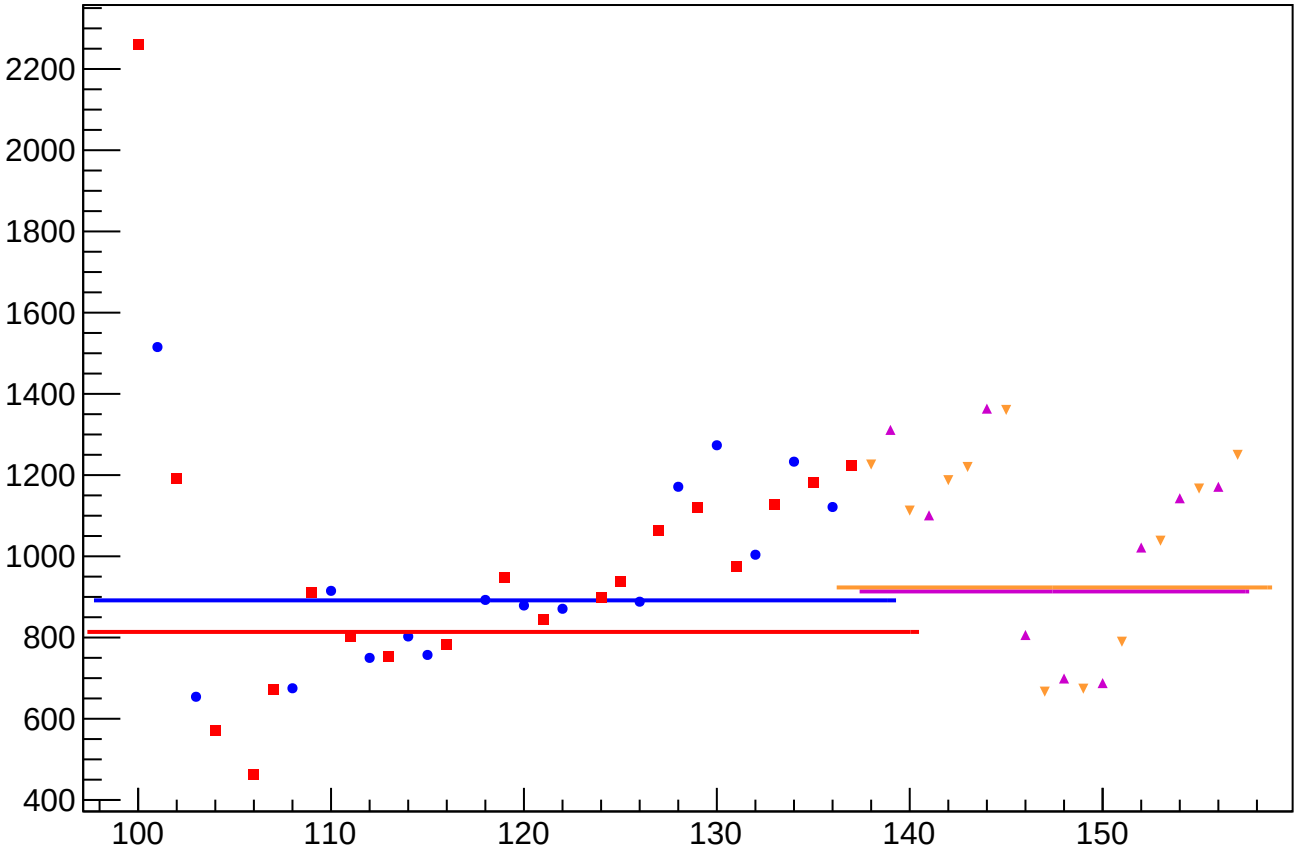
Left In: -111.098+/-338.199 χ^2/NDF:3.6/8

\+ sign -74.965+/-236.864 χ^2/NDF: 28.8/26

All: 5.805+/-165.301 χ^2/NDF: 50.5/54

\- sign 82.490+/-230.797 χ^2/NDF: 21.5/27

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 923.341+/-0.231 χ^2/NDF:1161890.2/10

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

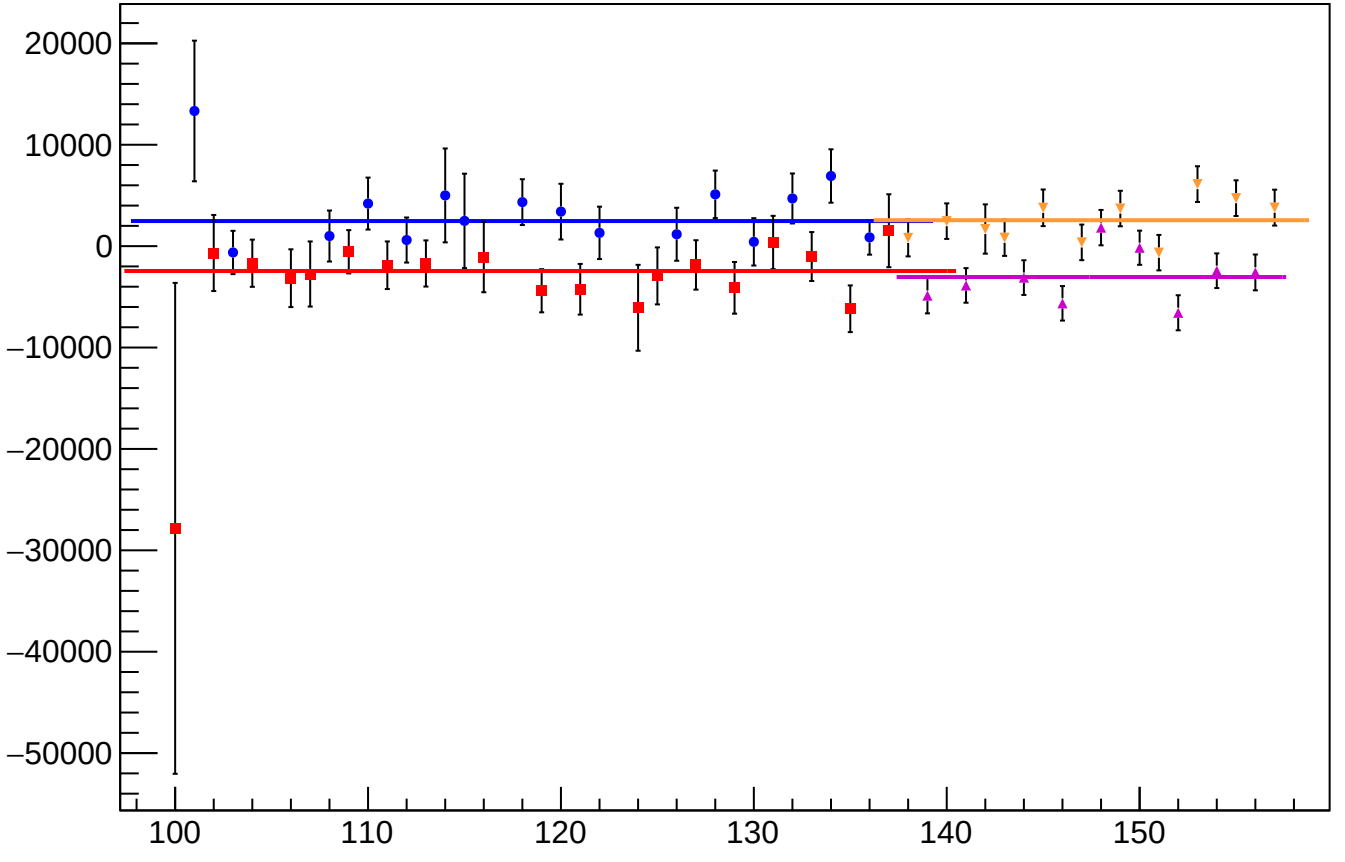
Left In: 913.518+/-0.239 χ^2/NDF:948405.4/8

+ sign 908.207+/-0.167 χ^2/NDF: 1964543.0/26

All: 883.603+/-0.117 χ^2/NDF: 4100892.3/54

- sign 860.243+/-0.163 χ^2/NDF: 2094281.8/27

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

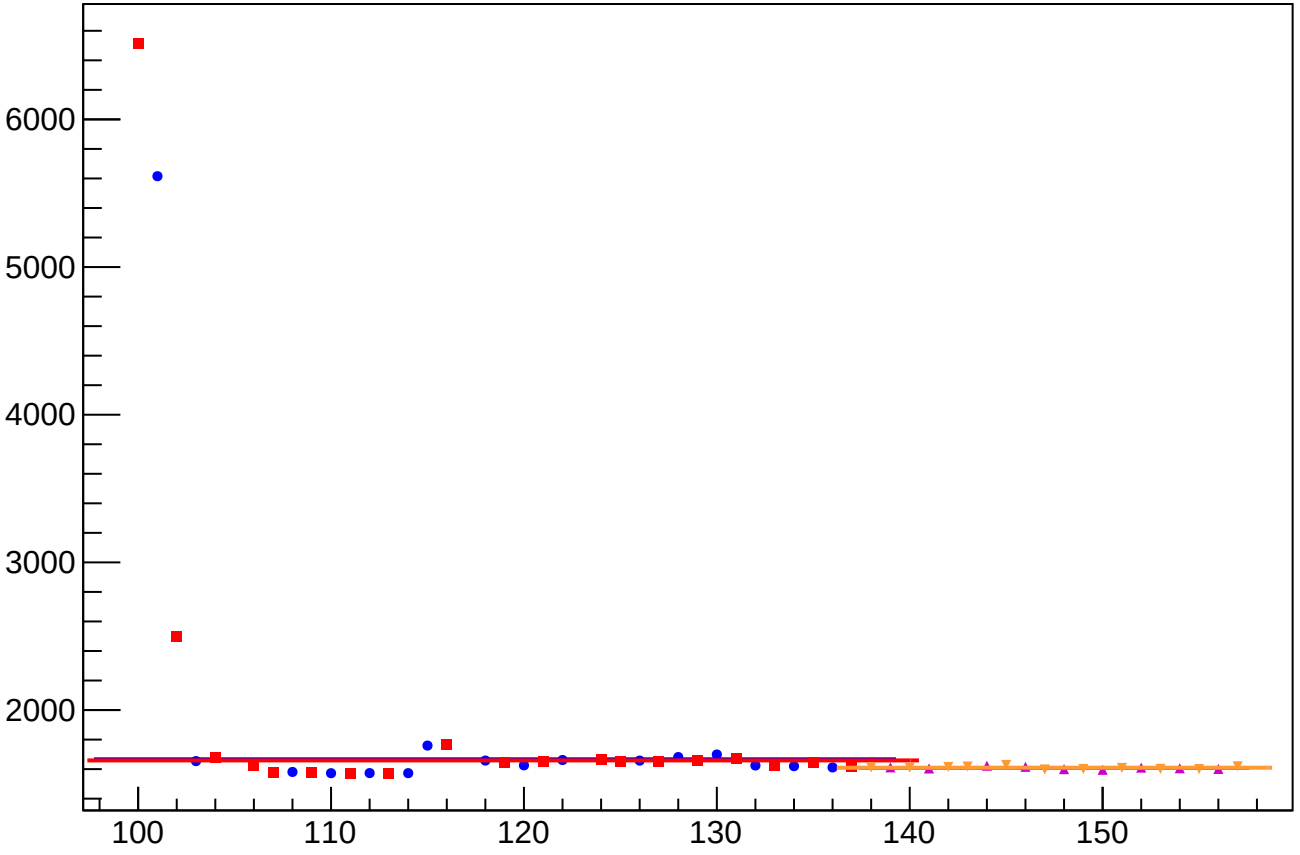
Left In: -3045.002+/-574.096 χ^2/NDF:18.8/8

+ sign 2522.704+/-413.650 χ^2/NDF: 28.1/26

All: -79.779+/-294.875 χ^2/NDF: 138.4/54

- sign -2768.722+/-420.465 χ^2/NDF: 29.8/27

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

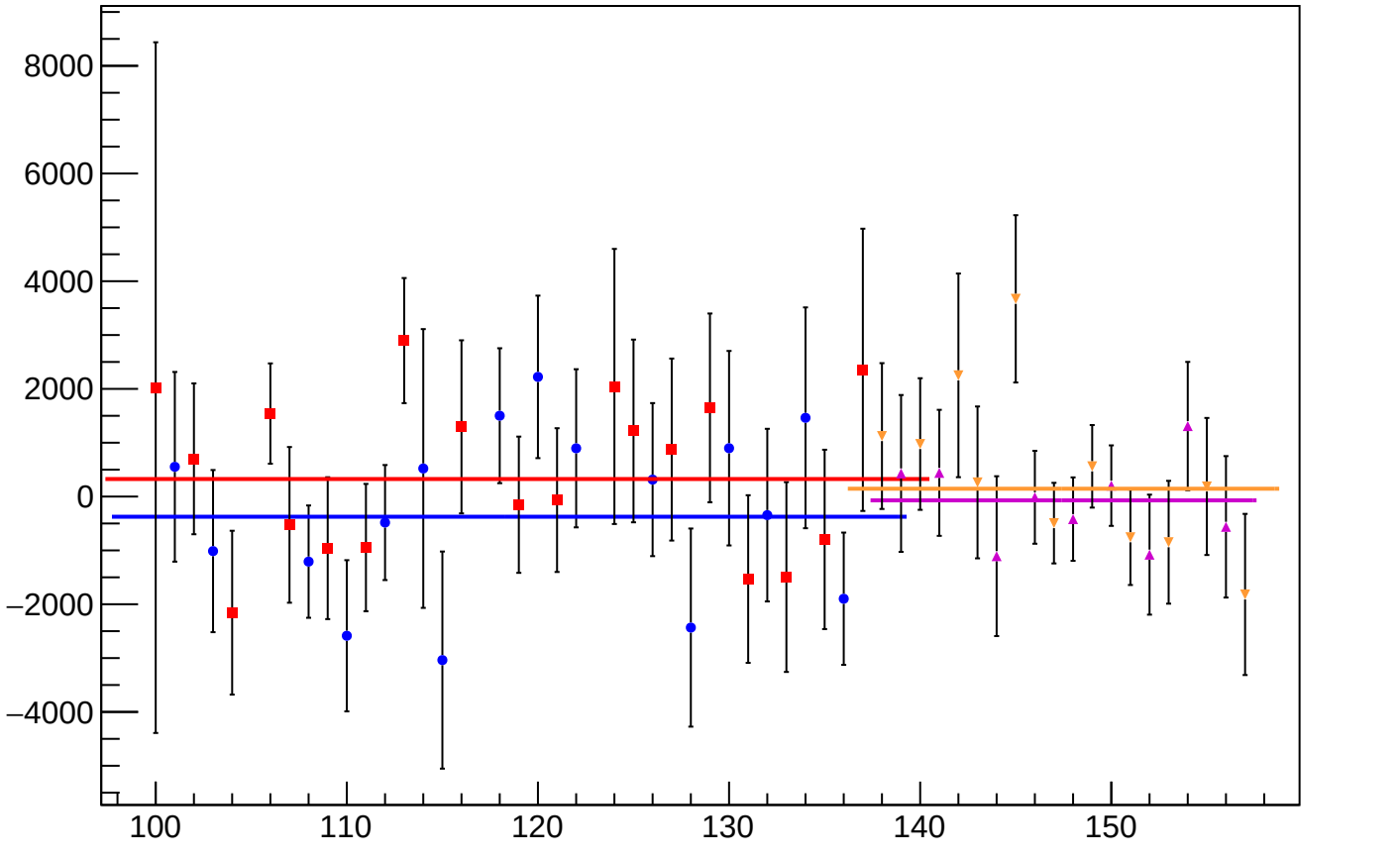
Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1607.705+/-0.406 χ^2/NDF:402.8/8

+ sign 1633.710+/-0.292 χ^2/NDF: 672728.7/26

All: 1632.617+/-0.209 χ^2/NDF: 873786.9/54

- sign 1631.488+/-0.297 χ^2/NDF: 201029.8/27



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 145.607+/-333.256 χ^2/NDF:11.9/10

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

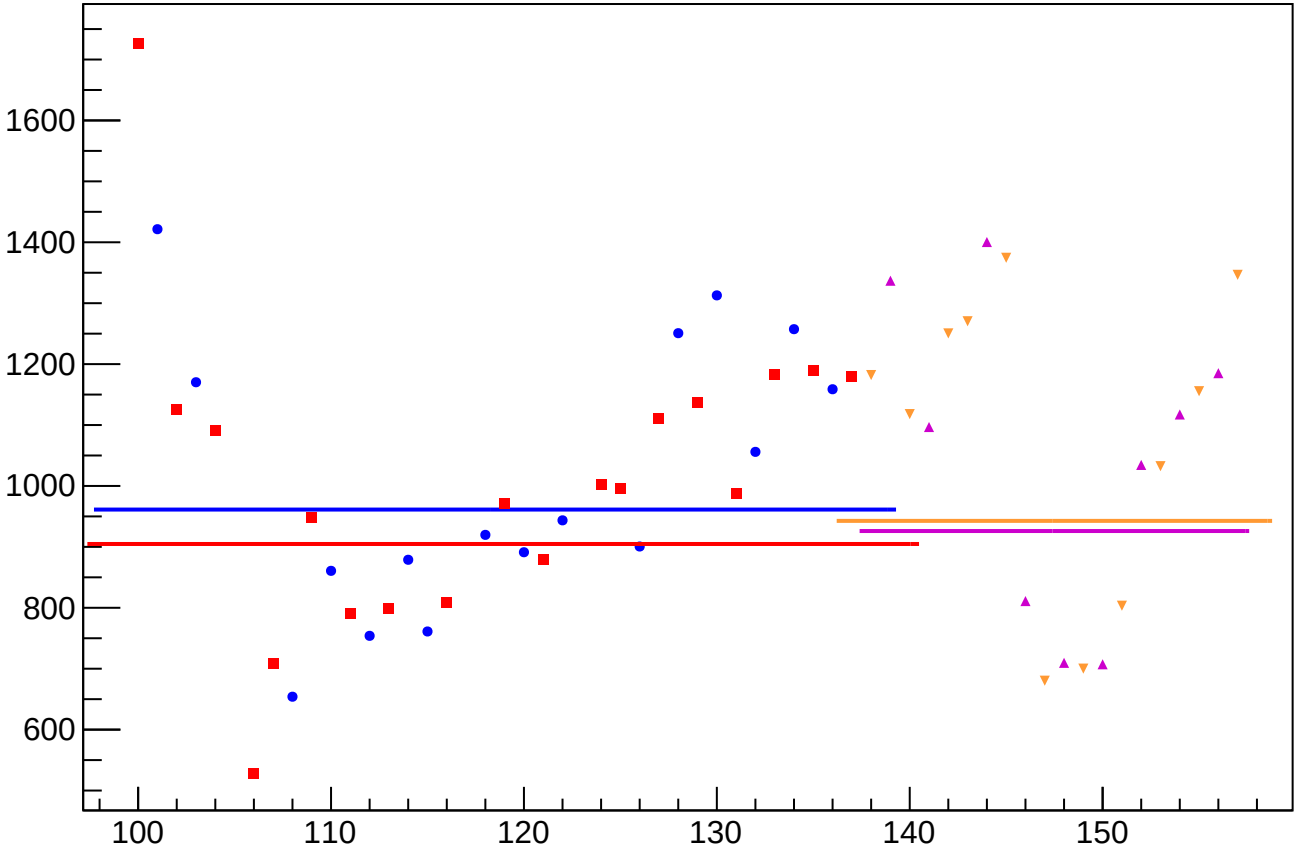
Left In: -70.577+/-342.149 χ^2/NDF:3.4/8

+ sign -88.821+/-247.003 χ^2/NDF: 28.8/26

All: 22.301+/-172.640 χ^2/NDF: 50.7/54

- sign 128.434+/-241.394 χ^2/NDF: 21.5/27

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 942.672+/-0.236 χ^2/NDF:1128431.1/10

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

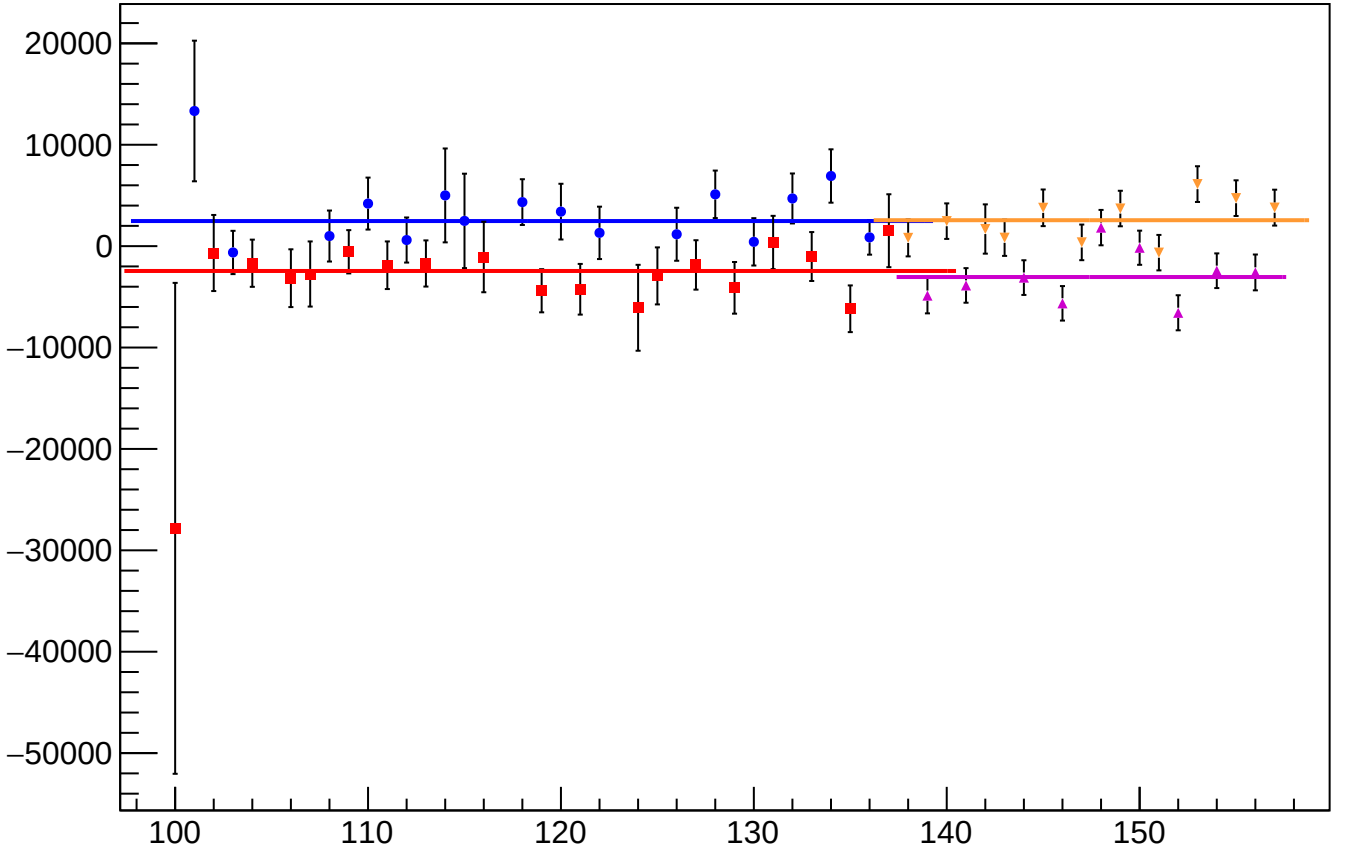
Left In: 926.008+/-0.242 χ^2/NDF:917038.8/8

+ sign 951.041+/-0.175 χ^2/NDF: 1823105.2/26

All: 932.773+/-0.122 χ^2/NDF: 3501900.5/54

- sign 915.324+/-0.171 χ^2/NDF: 1657406.0/27

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2557.919+/-545.916 χ^2/NDF:13.9/10

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

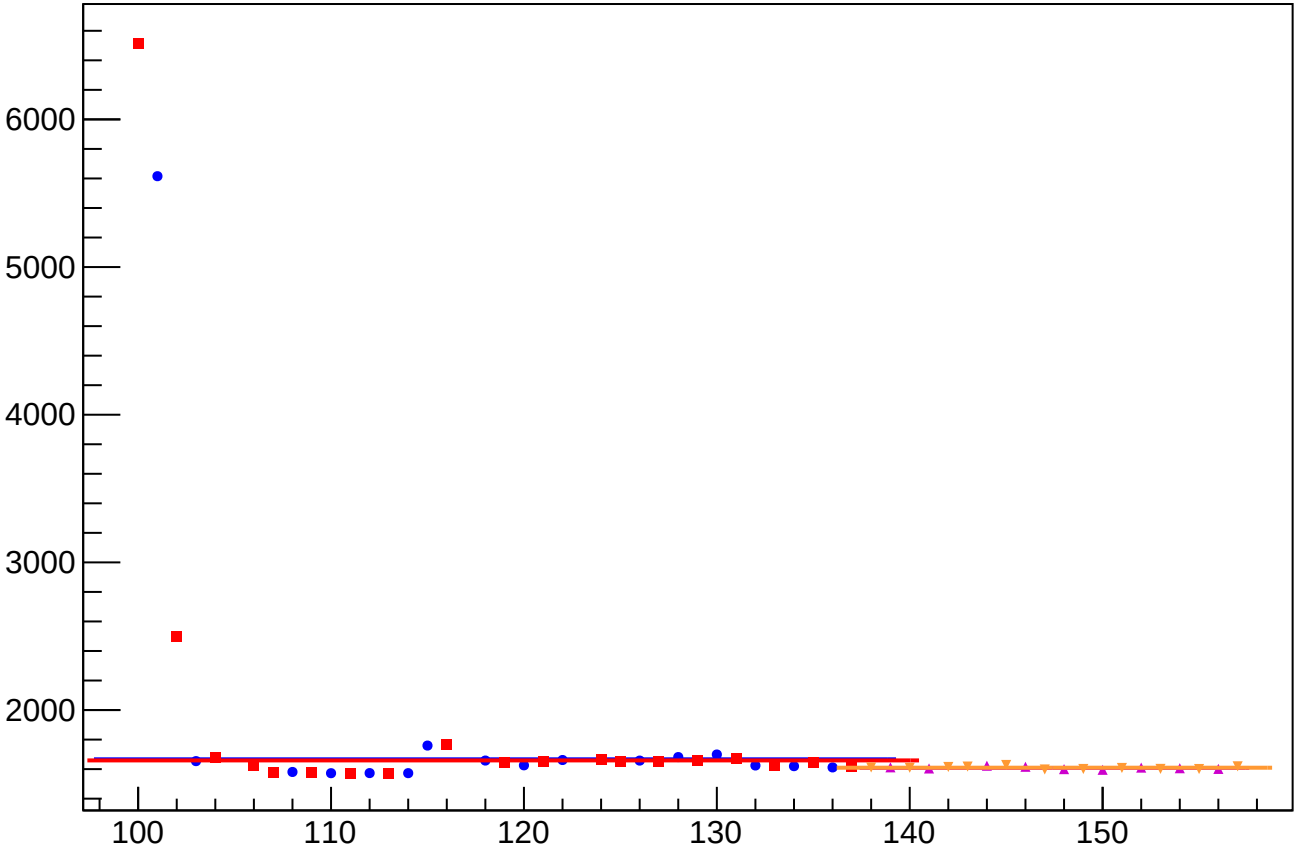
Left In: -3045.002+/-574.096 χ^2/NDF:18.8/8

+ sign 2522.704+/-413.650 χ^2/NDF: 28.1/26

All: -79.779+/-294.875 χ^2/NDF: 138.4/54

- sign -2768.722+/-420.465 χ^2/NDF: 29.8/27

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.463+/-0.386 χ^2/NDF:549.2/10

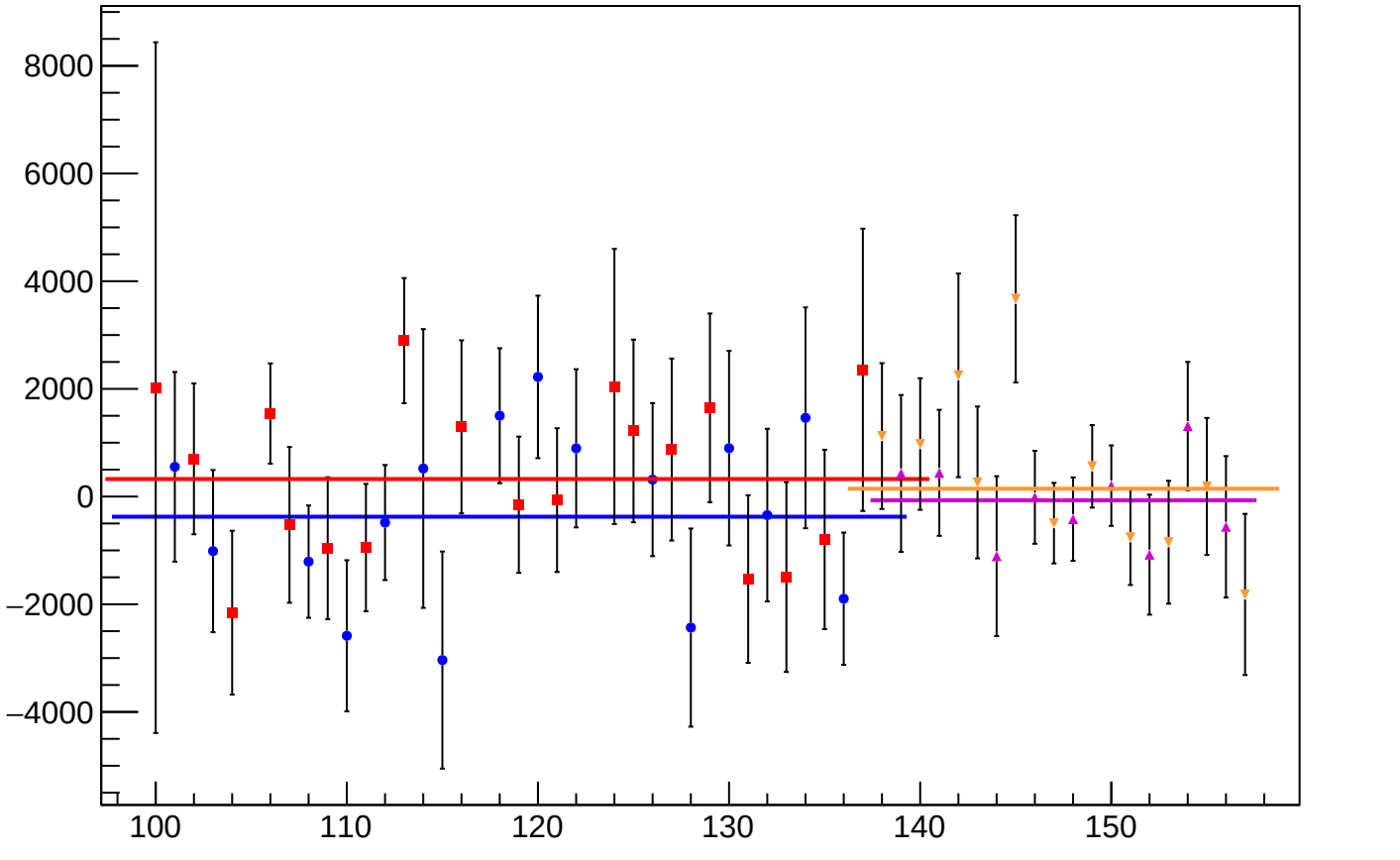
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1607.705+/-0.406 χ^2/NDF:402.8/8

+ sign 1633.710+/-0.292 χ^2/NDF: 672728.6/26

All: 1632.617+/-0.209 χ^2/NDF: 873786.6/54

- sign 1631.487+/-0.297 χ^2/NDF: 201029.6/27



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 145.605+/-333.257 χ^2/NDF:11.9/10

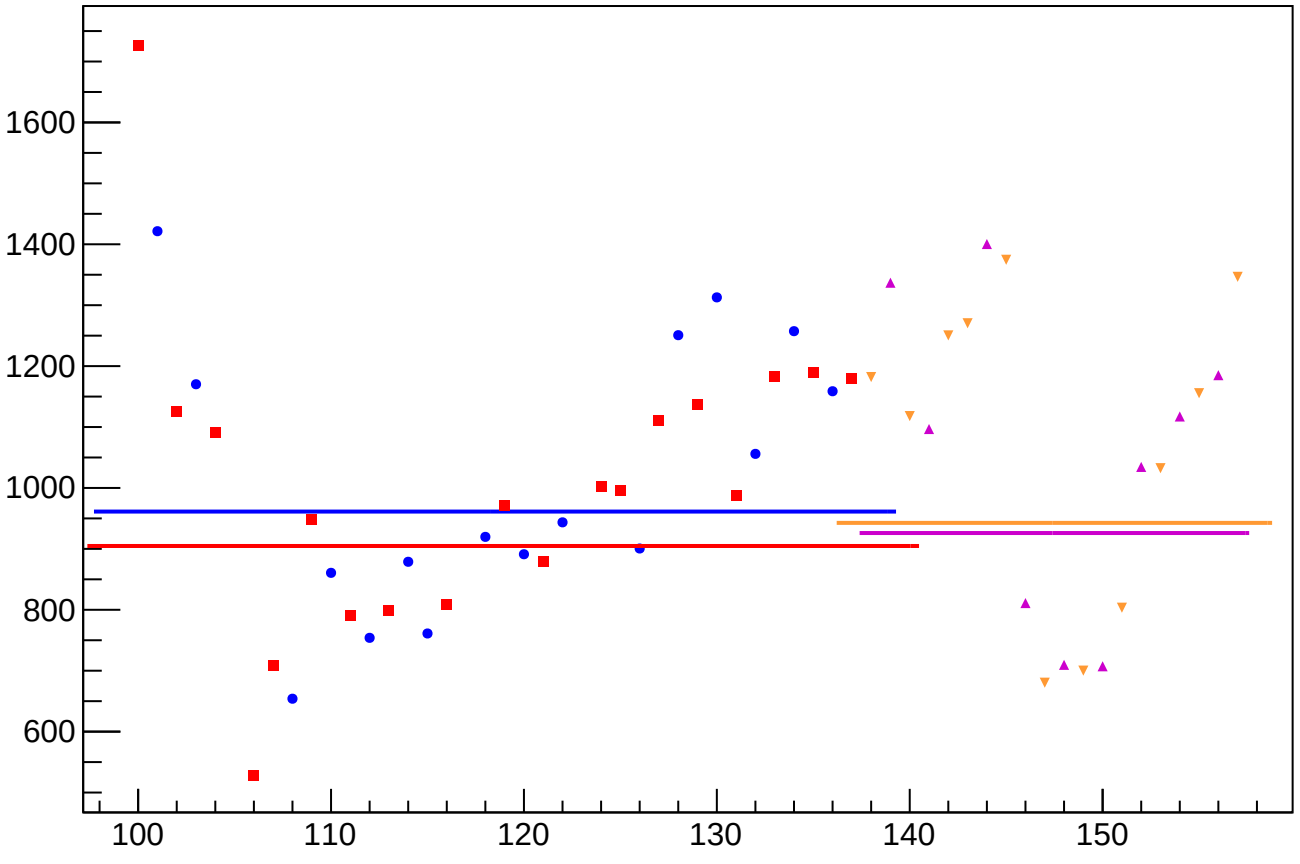
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -70.578+/-342.149 χ^2/NDF:3.4/8

\+ sign -88.823+/-247.003 χ^2/NDF: 28.8/26

All: 22.301+/-172.640 χ^2/NDF: 50.7/54

\- sign 128.434+/-241.393 χ^2/NDF: 21.5/27



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 942.674+/-0.236 χ^2/NDF:1128433.3/10

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

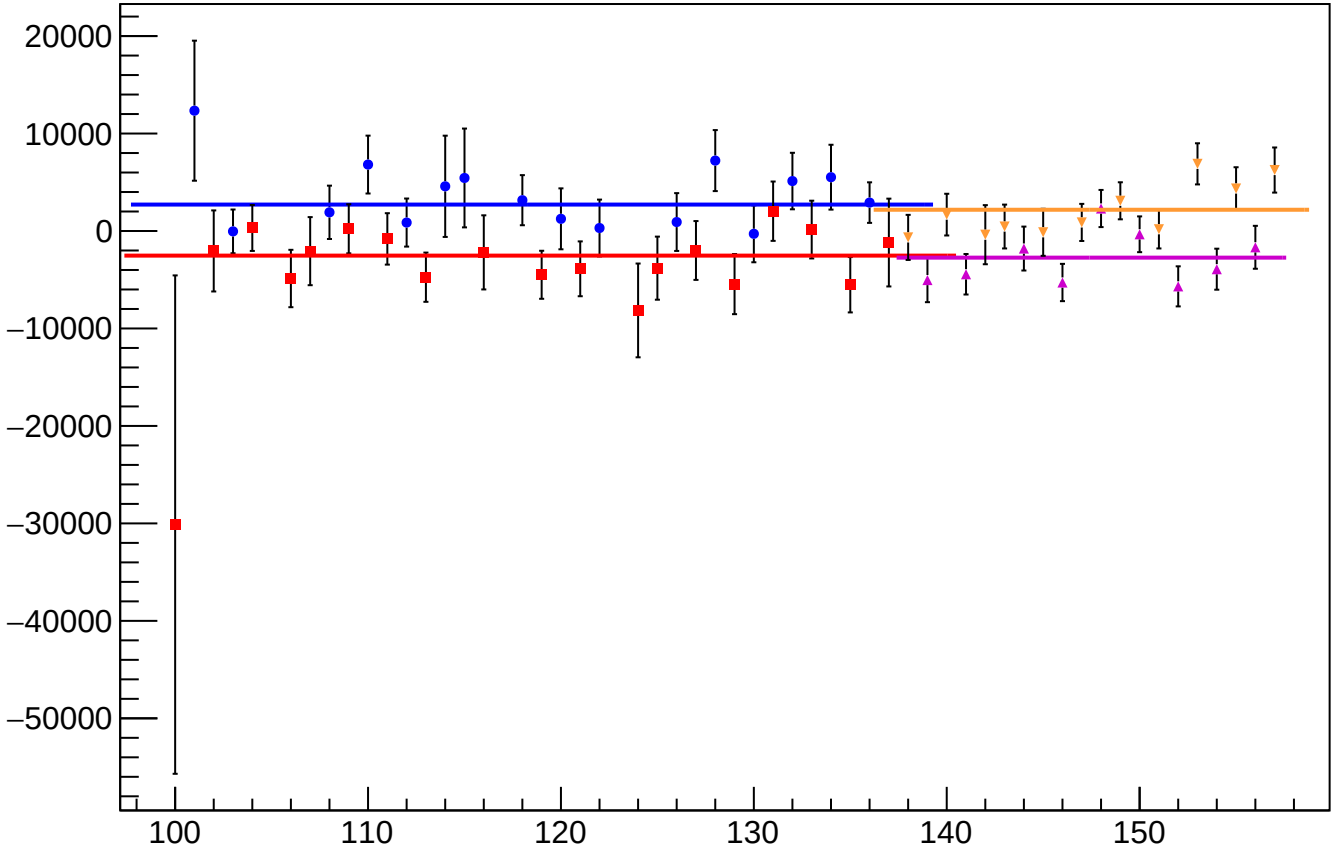
Left In: 926.010+/-0.242 χ^2/NDF:917041.2/8

+ sign 951.040+/-0.175 χ^2/NDF: 1823113.7/26

All: 932.772+/-0.122 χ^2/NDF: 3501910.1/54

- sign 915.324+/-0.171 χ^2/NDF: 1657407.5/27

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2179.623+/-657.236 χ^2/NDF:14.6/10

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

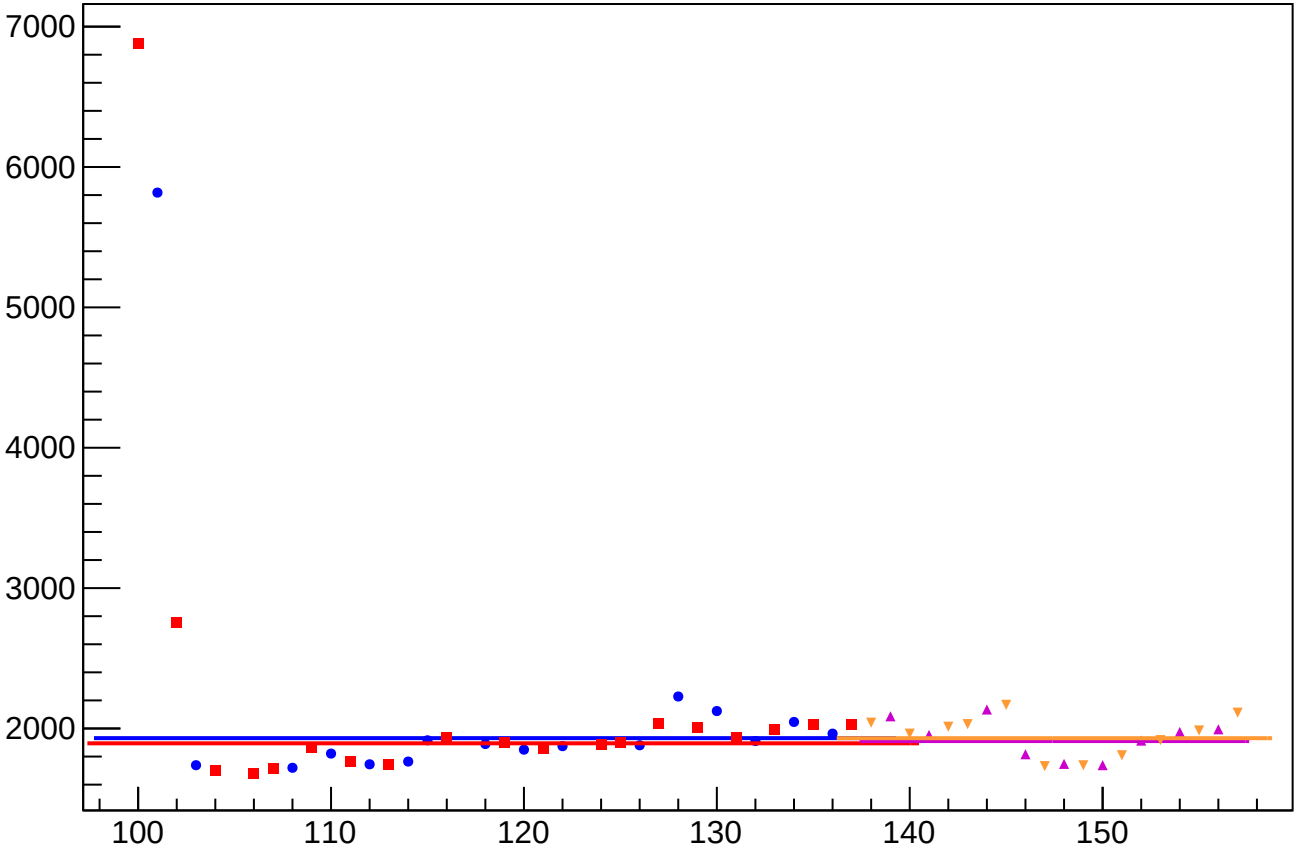
Left In: -2733.580+/-684.172 χ^2/NDF:14.9/8

+ sign 2415.867+/-489.957 χ^2/NDF: 27.0/26

All: -100.729+/-346.985 χ^2/NDF: 108.2/54

- sign -2632.890+/-491.470 χ^2/NDF: 28.2/27

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1930.756+/-0.465 χ^2/NDF:93718.5/10

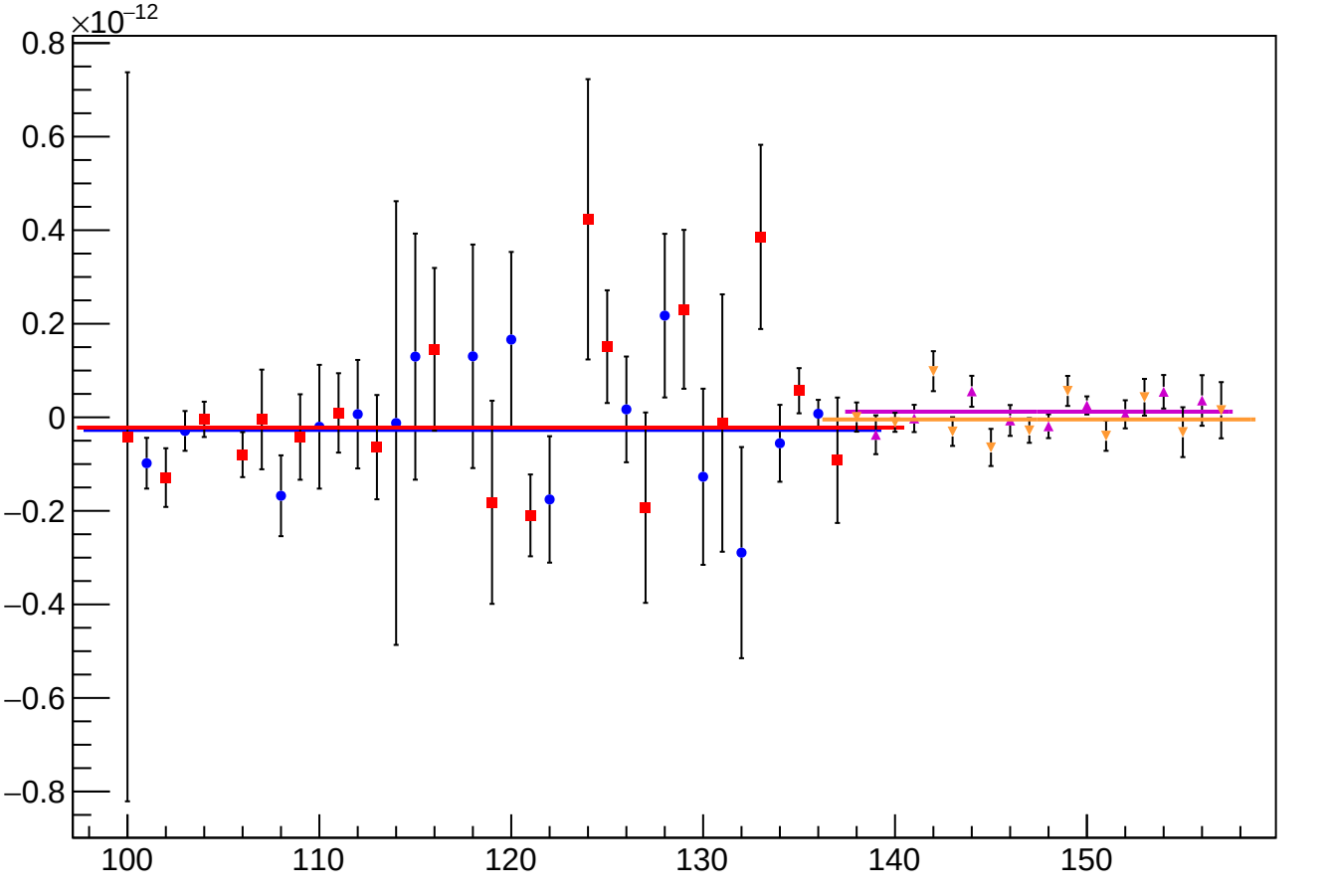
Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1910.428+/-0.484 χ^2/NDF:74494.9/8

+ sign 1930.976+/-0.346 χ^2/NDF: 754946.0/26

All: 1916.854+/-0.245 χ^2/NDF: 1053849.6/54

- sign 1902.646+/-0.348 χ^2/NDF: 295570.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/10

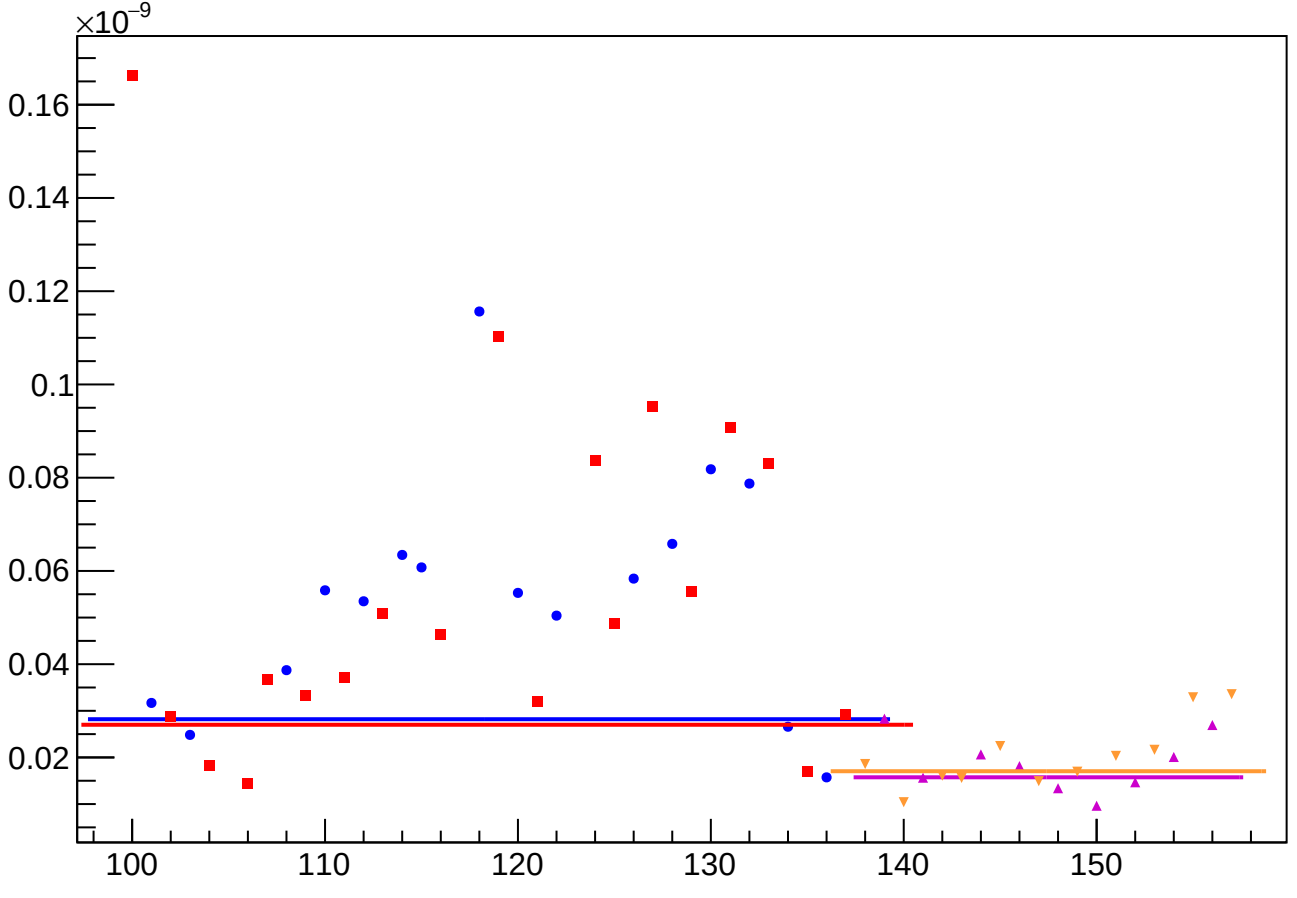
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/26

All: -0.000+/-0.000 χ^2/NDF: 66.6/54

- sign 0.000+/-0.000 χ^2/NDF: 35.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:651026.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

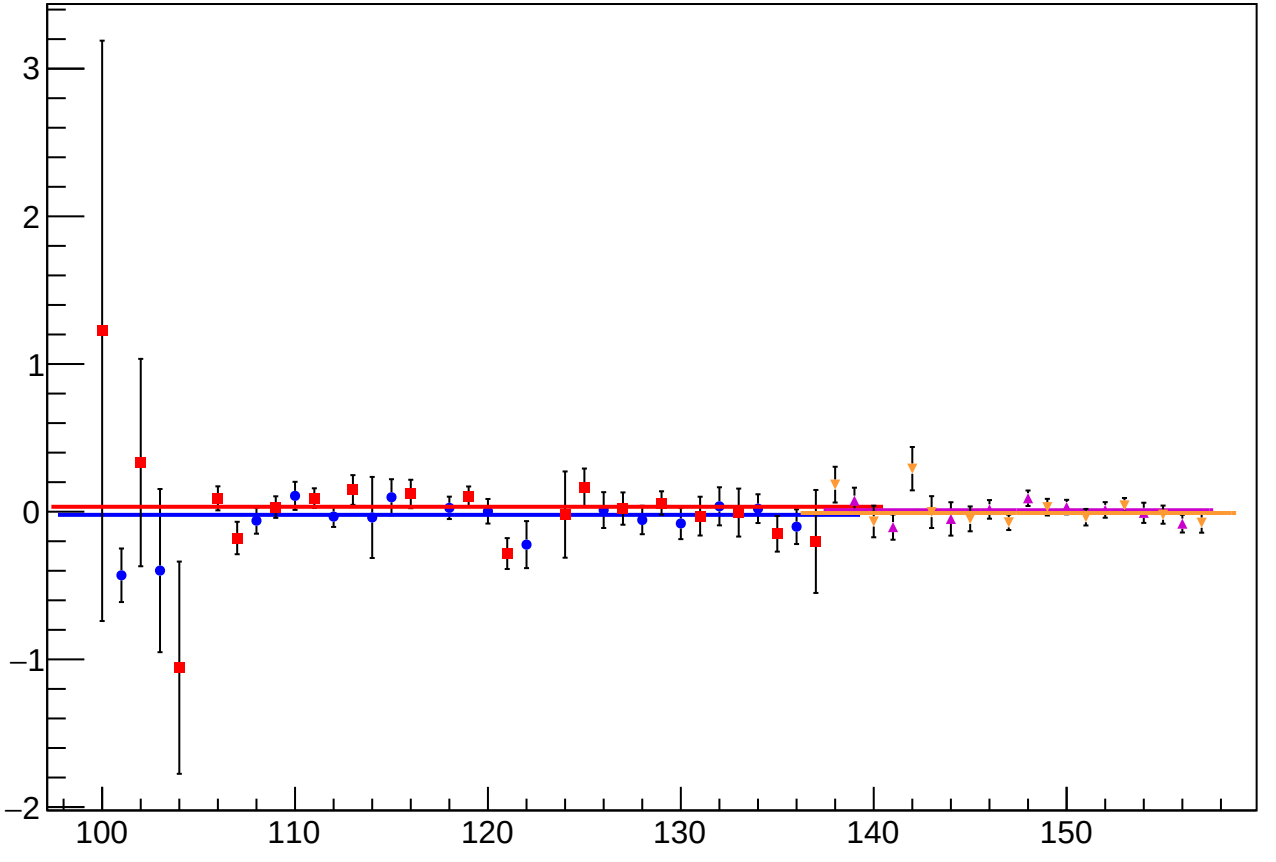
Left In: 0.000+/-0.000 χ^2/NDF:572067.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 2677835.7/26

All: 0.000+/-0.000 χ^2/NDF: 5361470.8/54

- sign 0.000+/-0.000 χ^2/NDF: 2663092.4/27

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

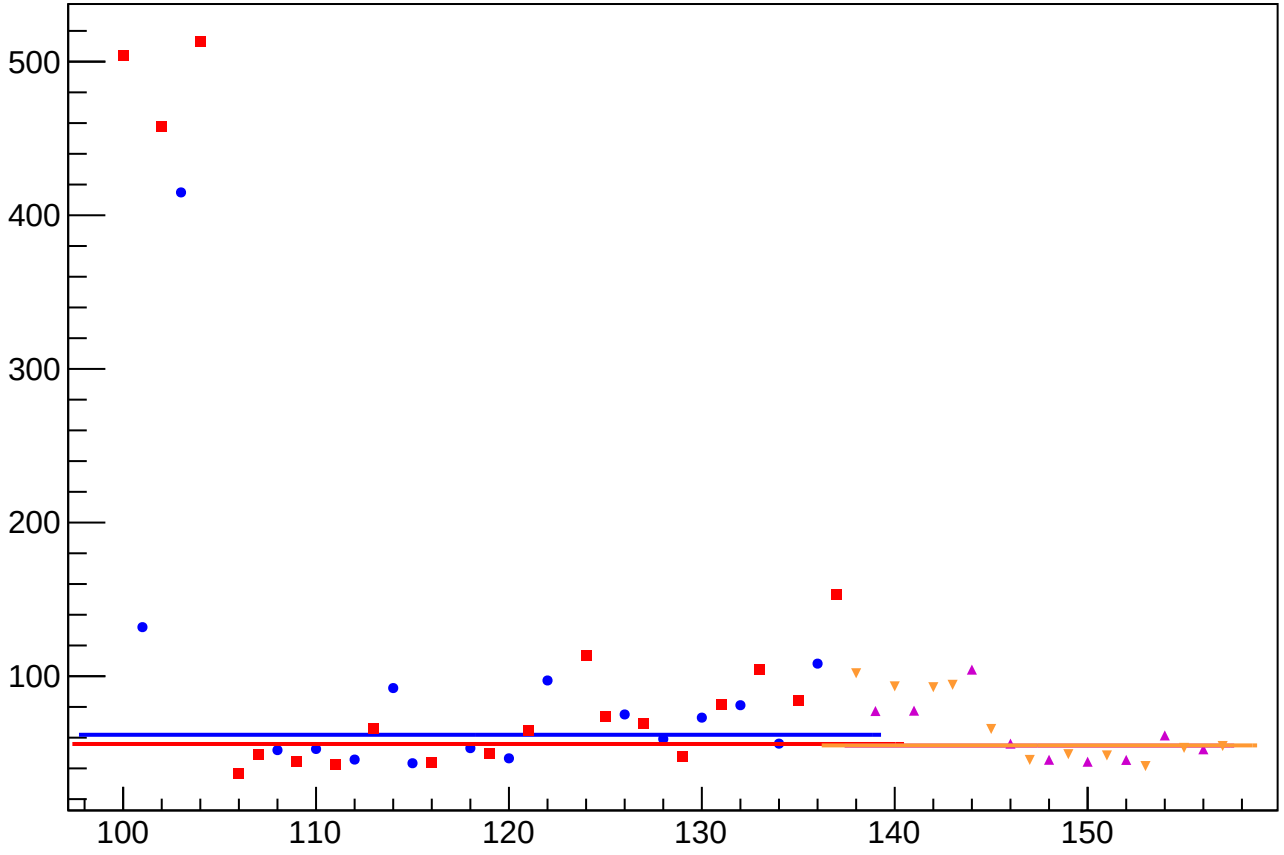
Left In: 0.010+/-0.021 χ^2/NDF:7.6/8

+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.004+/-0.011 χ^2/NDF: 58.2/54

- sign 0.020+/-0.016 χ^2/NDF: 32.4/27

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249088.6/10

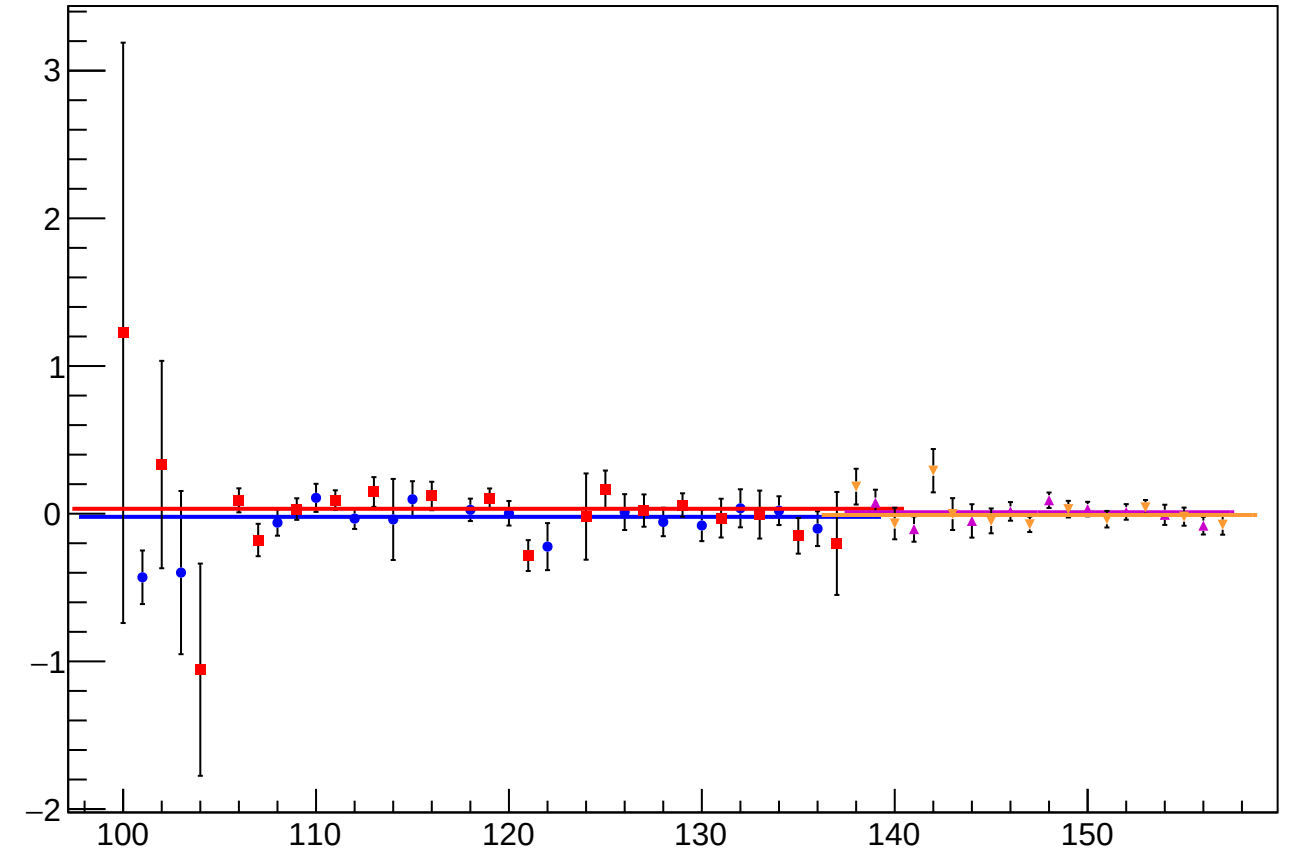
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.823+/-0.015 χ^2/NDF:893942.1/8

+ sign 57.595+/-0.012 χ^2/NDF: 3270916.7/26

All: 56.413+/-0.008 χ^2/NDF: 6778714.3/54

- sign 55.277+/-0.011 χ^2/NDF: 3487366.3/27



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

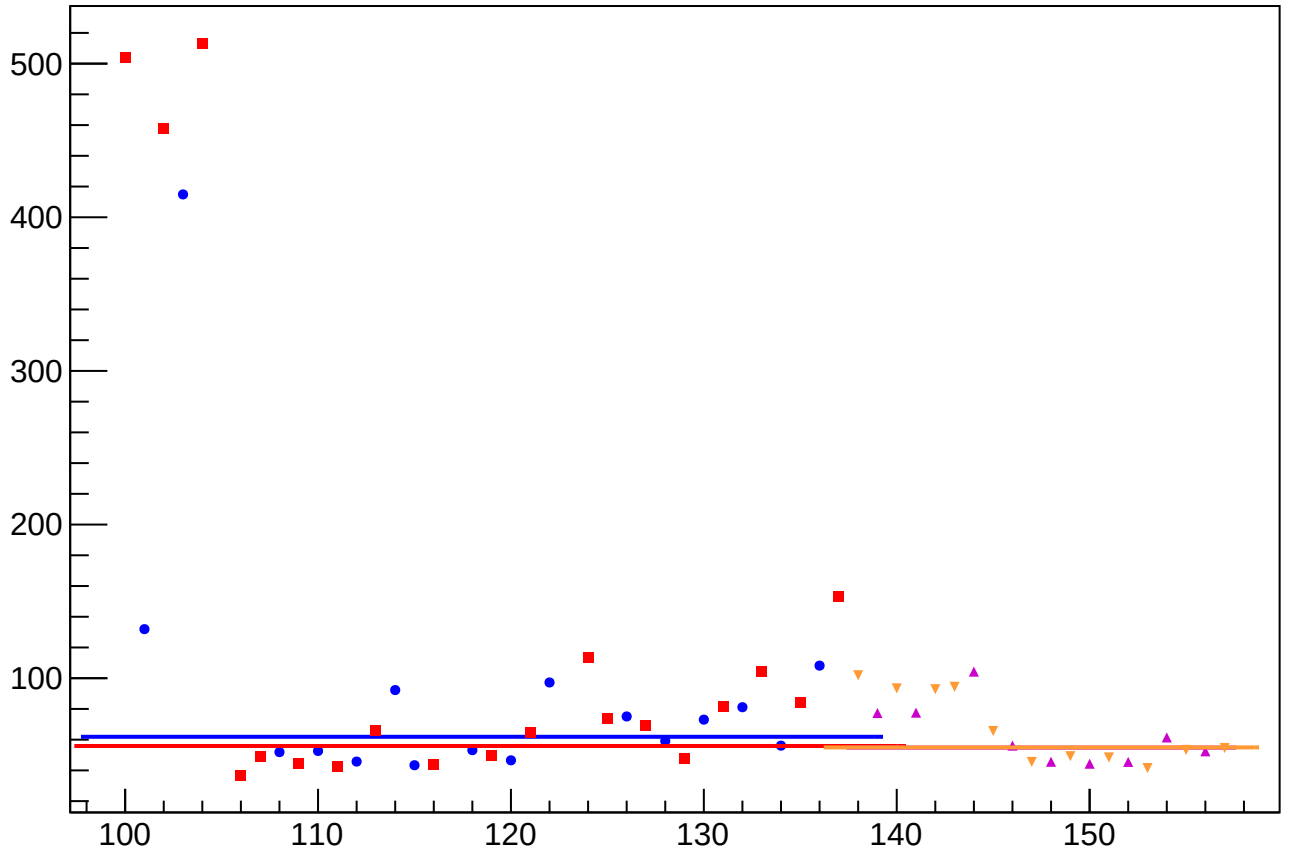
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.021 χ^2/NDF:7.6/8

+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.004+/-0.011 χ^2/NDF: 58.2/54

- sign 0.020+/-0.016 χ^2/NDF: 32.4/27



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.967+/-0.015 χ^2/NDF:1249088.6/10

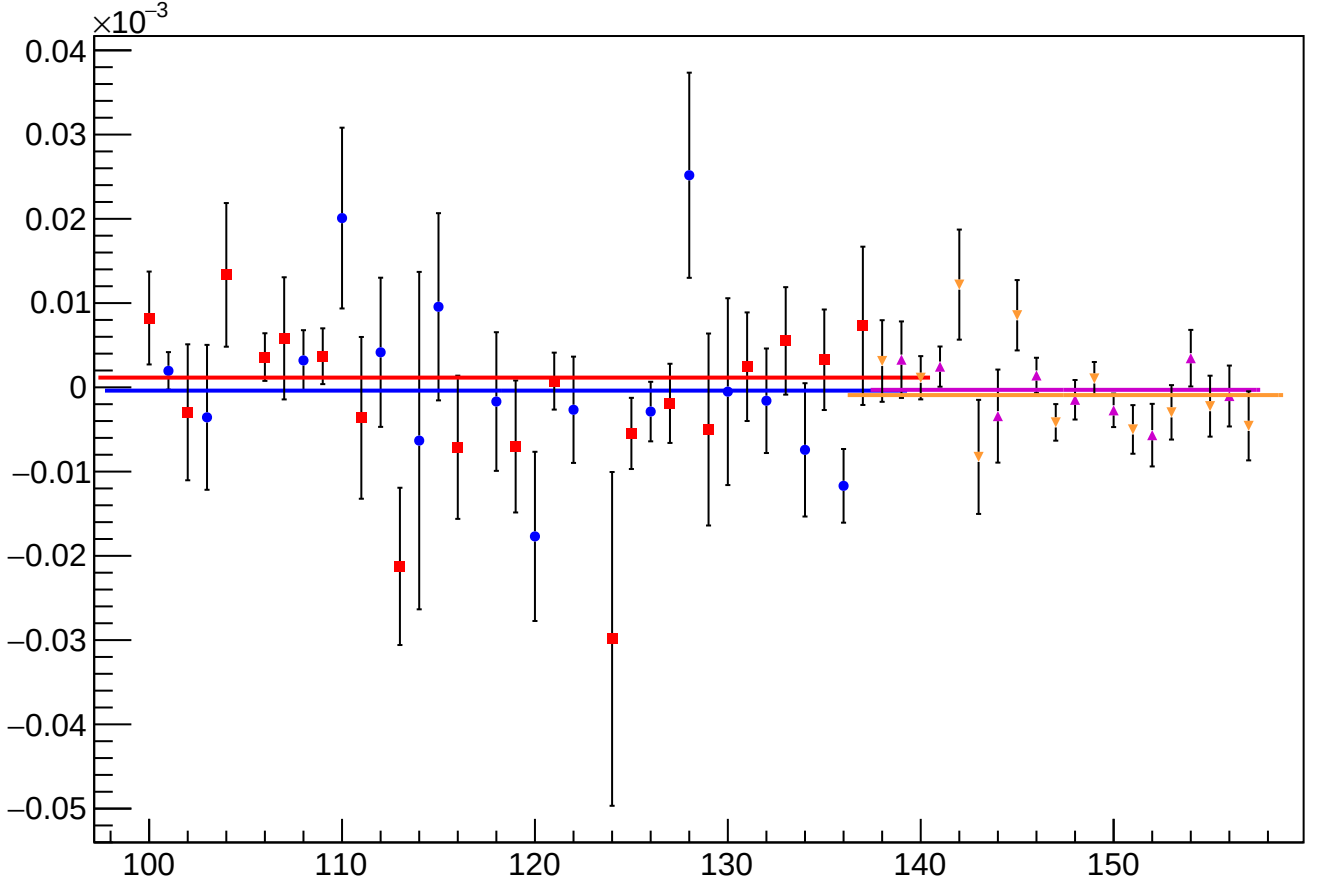
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.823+/-0.015 χ^2/NDF:893942.1/8

+ sign 57.595+/-0.012 χ^2/NDF: 3270916.7/26

All: 56.413+/-0.008 χ^2/NDF: 6778714.3/54

- sign 55.277+/-0.011 χ^2/NDF: 3487366.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/10

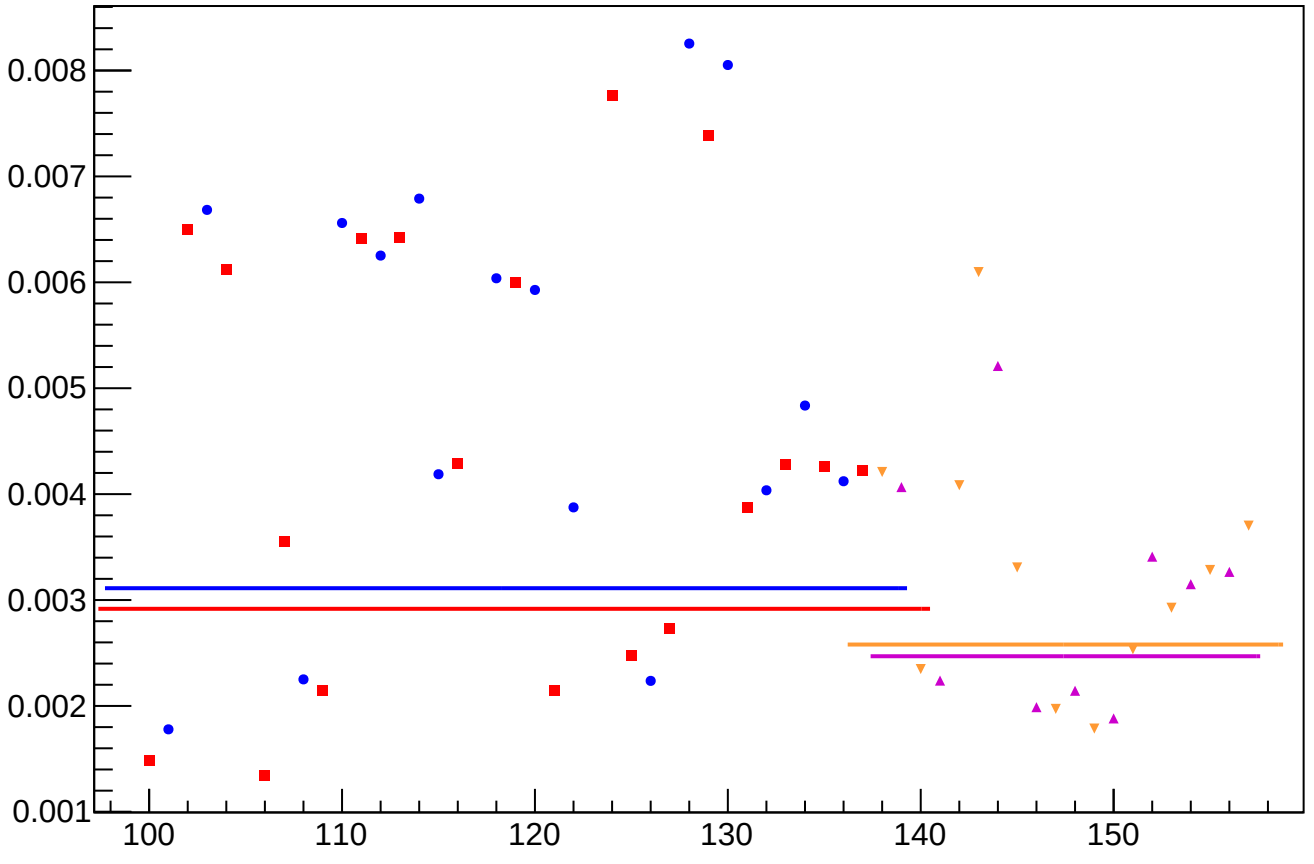
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/26

All: -0.000+/-0.000 χ^2/NDF: 71.1/54

- sign 0.000+/-0.000 χ^2/NDF: 29.4/27



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1685260.1/10

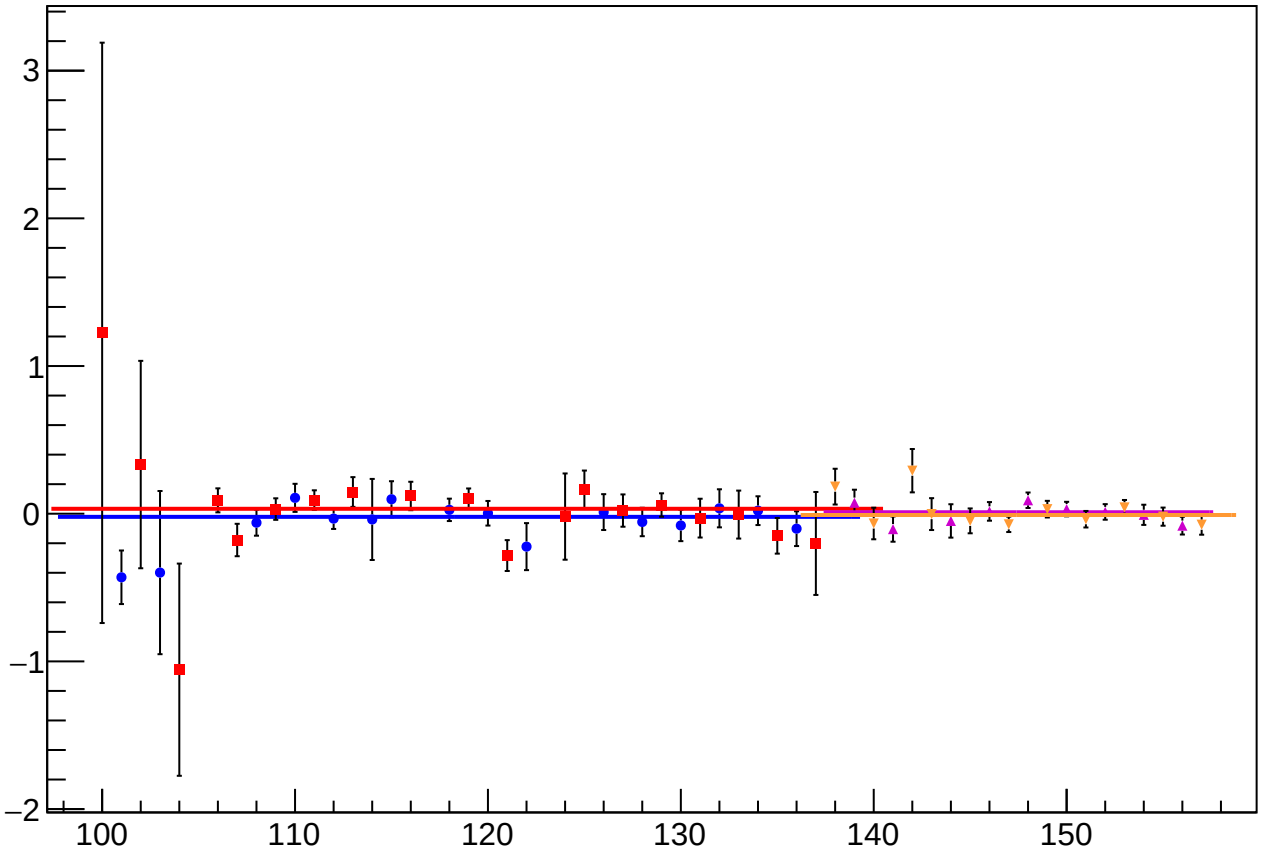
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1383967.4/8

+ sign 0.003+/-0.000 χ^2/NDF: 5181675.1/26

All: 0.003+/-0.000 χ^2/NDF: 10054966.1/54

- sign 0.003+/-0.000 χ^2/NDF: 4844270.4/27



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

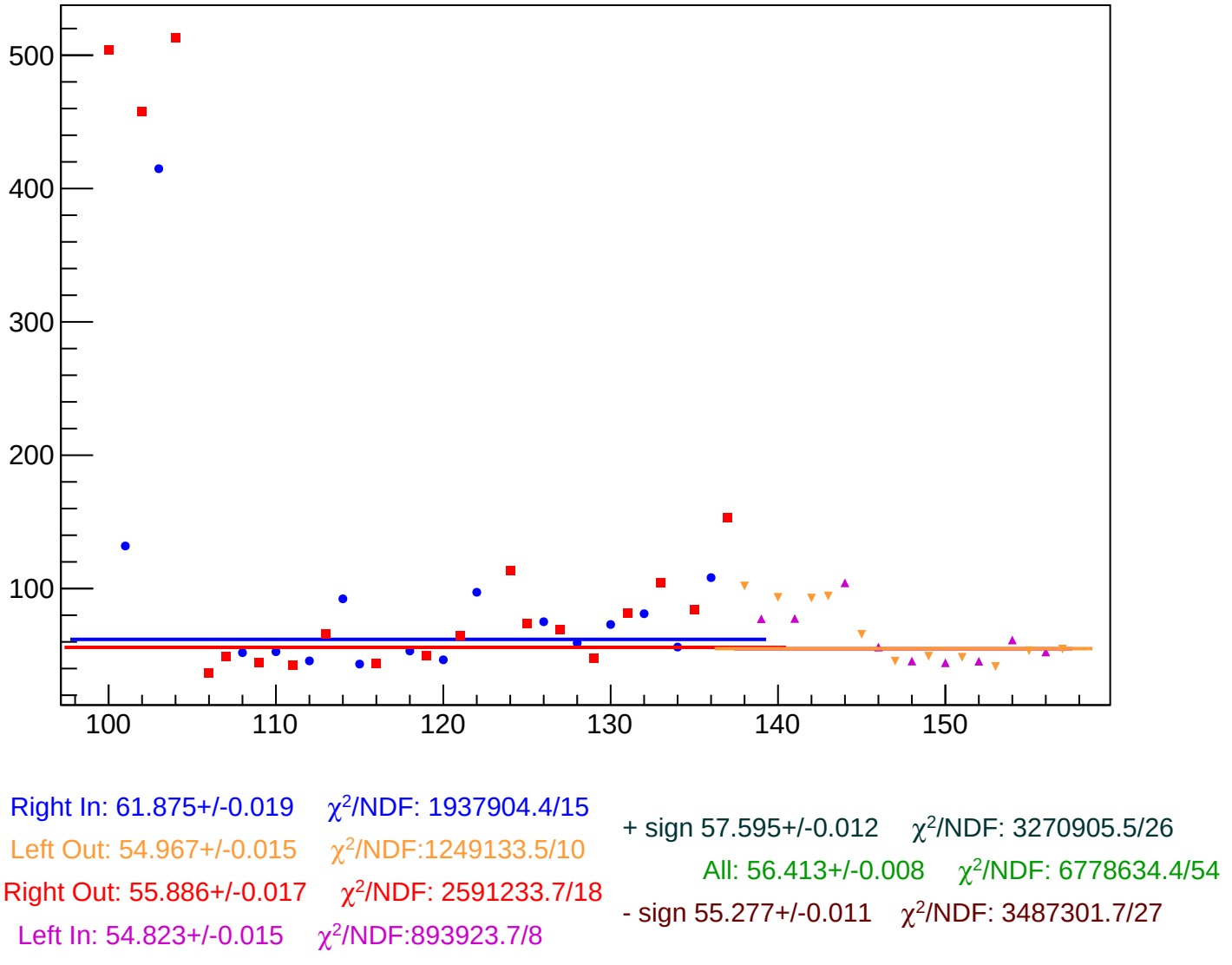
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.021 χ^2/NDF:7.6/8

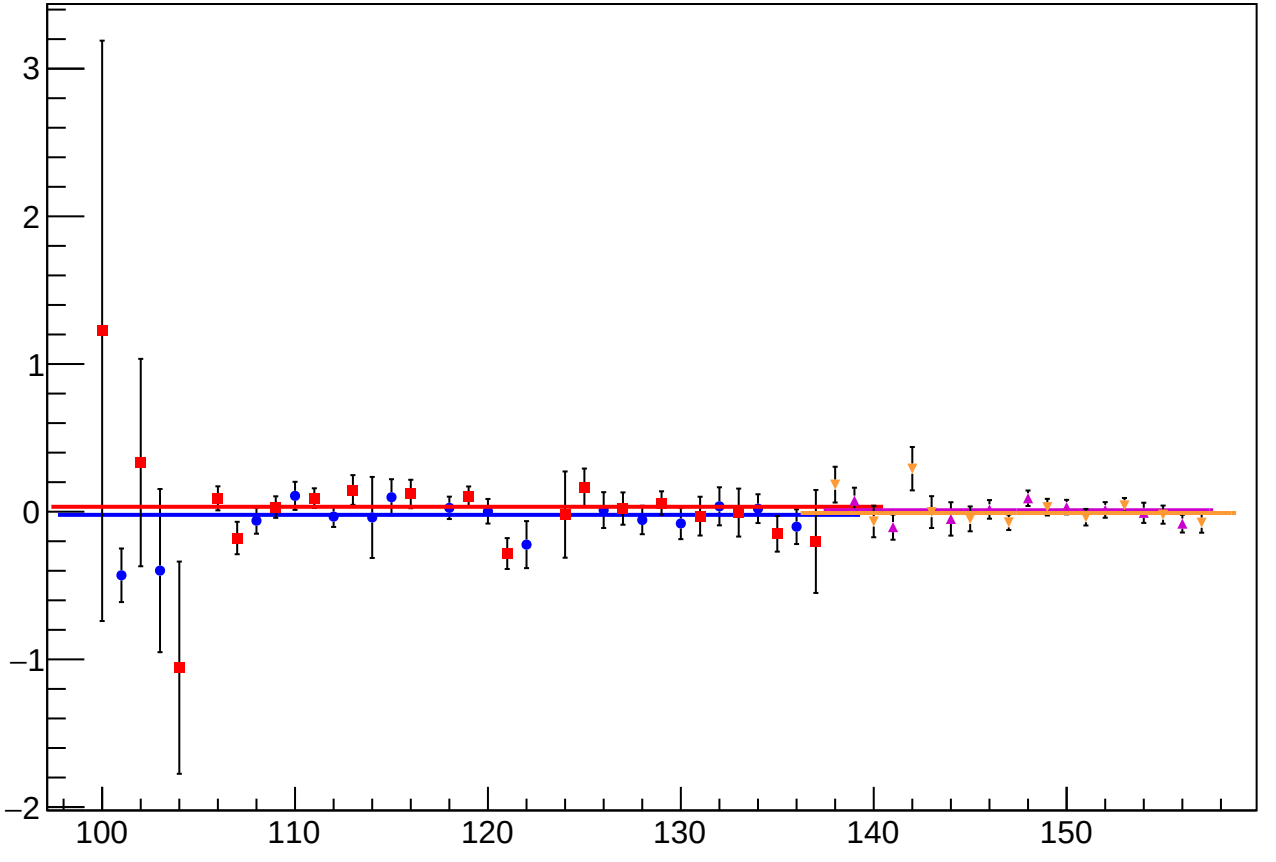
\+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.004+/-0.011 χ^2/NDF: 58.2/54

\- sign 0.020+/-0.016 χ^2/NDF: 32.4/27


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 54.967+/-0.015 χ²/NDF:1249133.5/10
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 54.823+/-0.015 χ²/NDF:893923.7/8
+ sign 57.595+/-0.012 χ²/NDF: 3270905.5/26
All: 56.413+/-0.008 χ²/NDF: 6778634.4/54
- sign 55.277+/-0.011 χ²/NDF: 3487301.7/27

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.009+/-0.021 χ^2/NDF:11.4/10

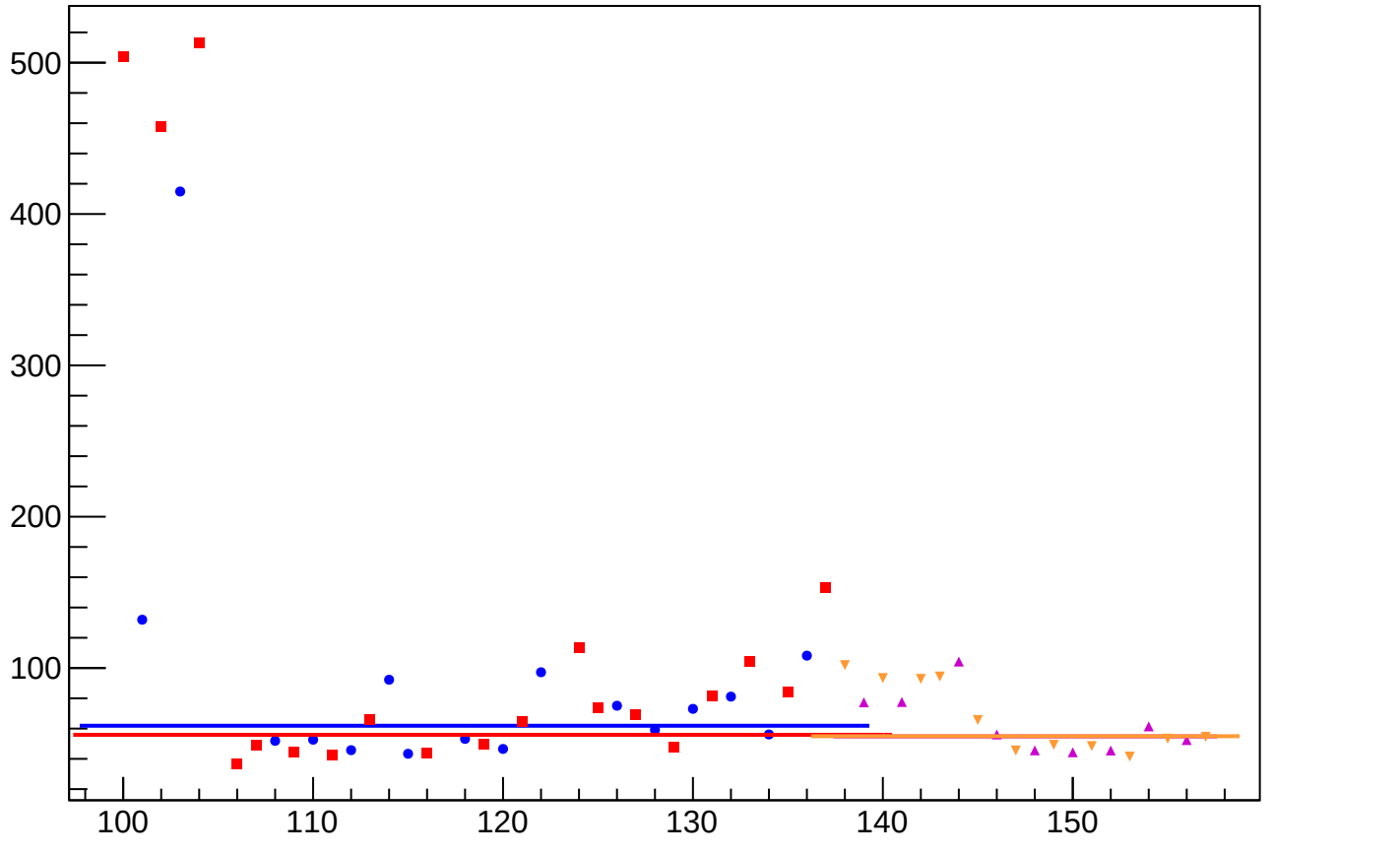
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

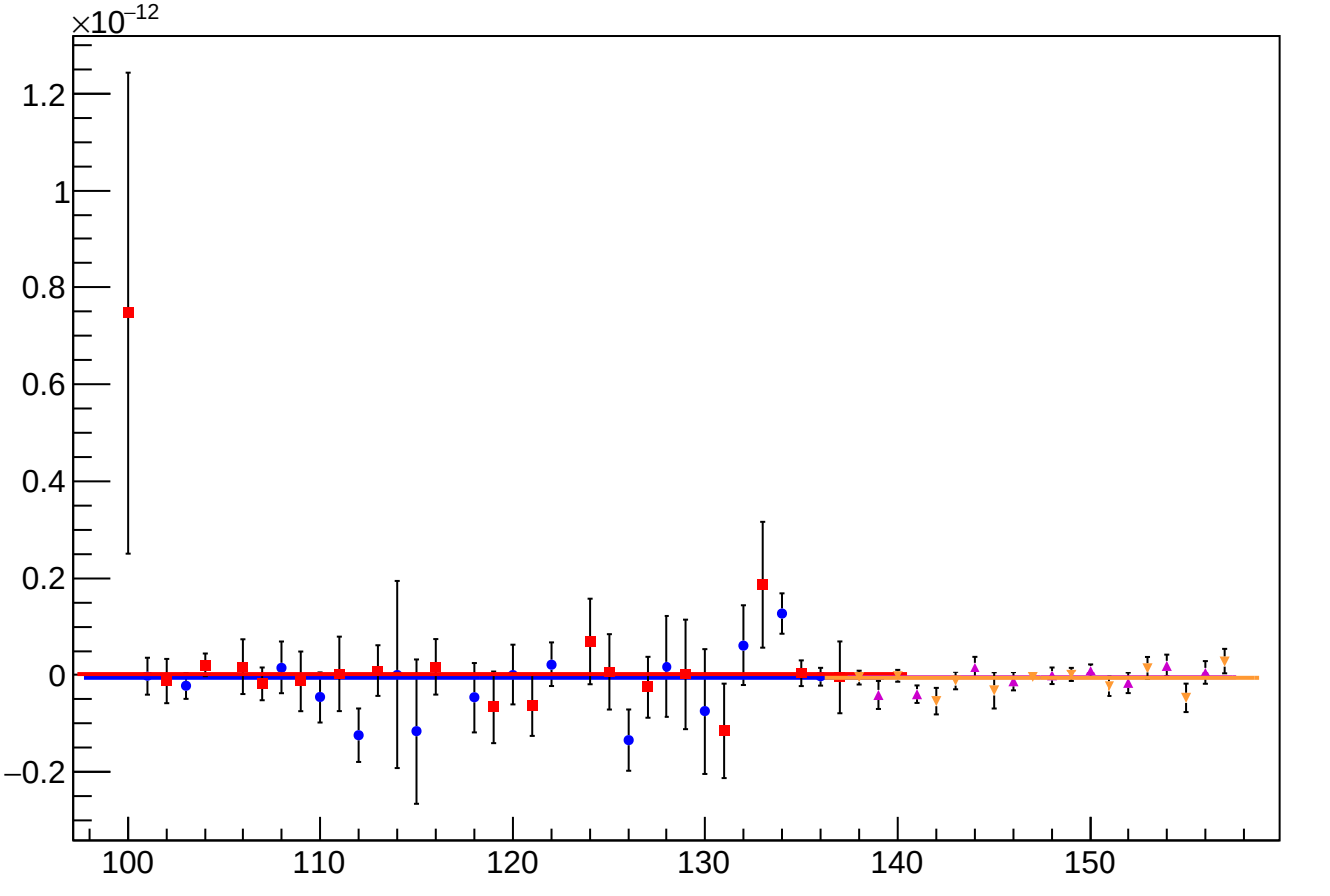
Left In: 0.010+/-0.021 χ^2/NDF:7.6/8

\+ sign -0.014+/-0.016 χ^2/NDF: 23.6/26

All: 0.004+/-0.011 χ^2/NDF: 58.2/54

\- sign 0.020+/-0.016 χ^2/NDF: 32.4/27


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 54.967+/-0.015 χ²/NDF:1249133.5/10
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 54.823+/-0.015 χ²/NDF:893923.7/8
+ sign 57.595+/-0.012 χ²/NDF: 3270905.5/26
All: 56.413+/-0.008 χ²/NDF: 6778634.4/54
- sign 55.277+/-0.011 χ²/NDF: 3487301.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/10

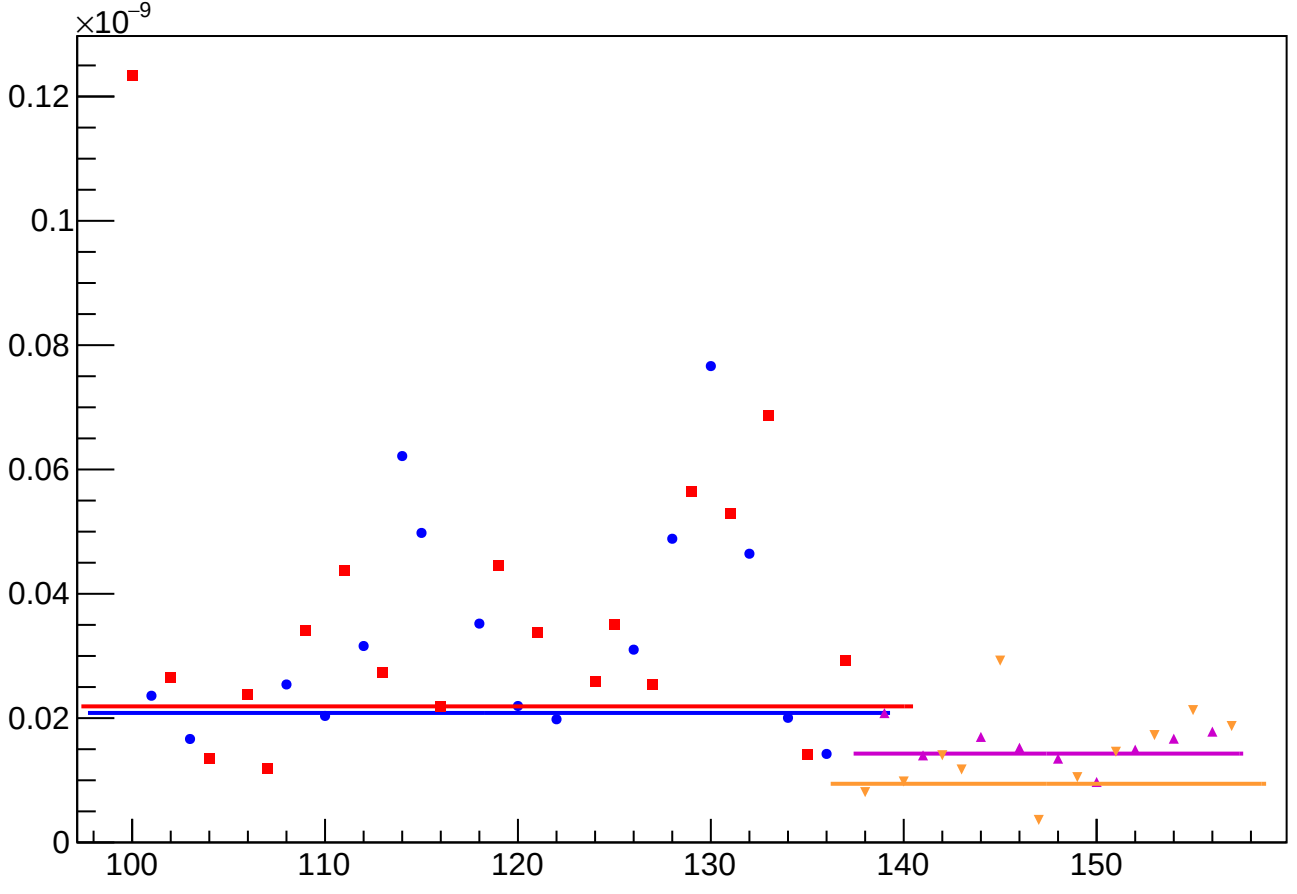
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/26

All: -0.000+/-0.000 χ^2/NDF: 51.6/54

- sign -0.000+/-0.000 χ^2/NDF: 19.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2591494.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

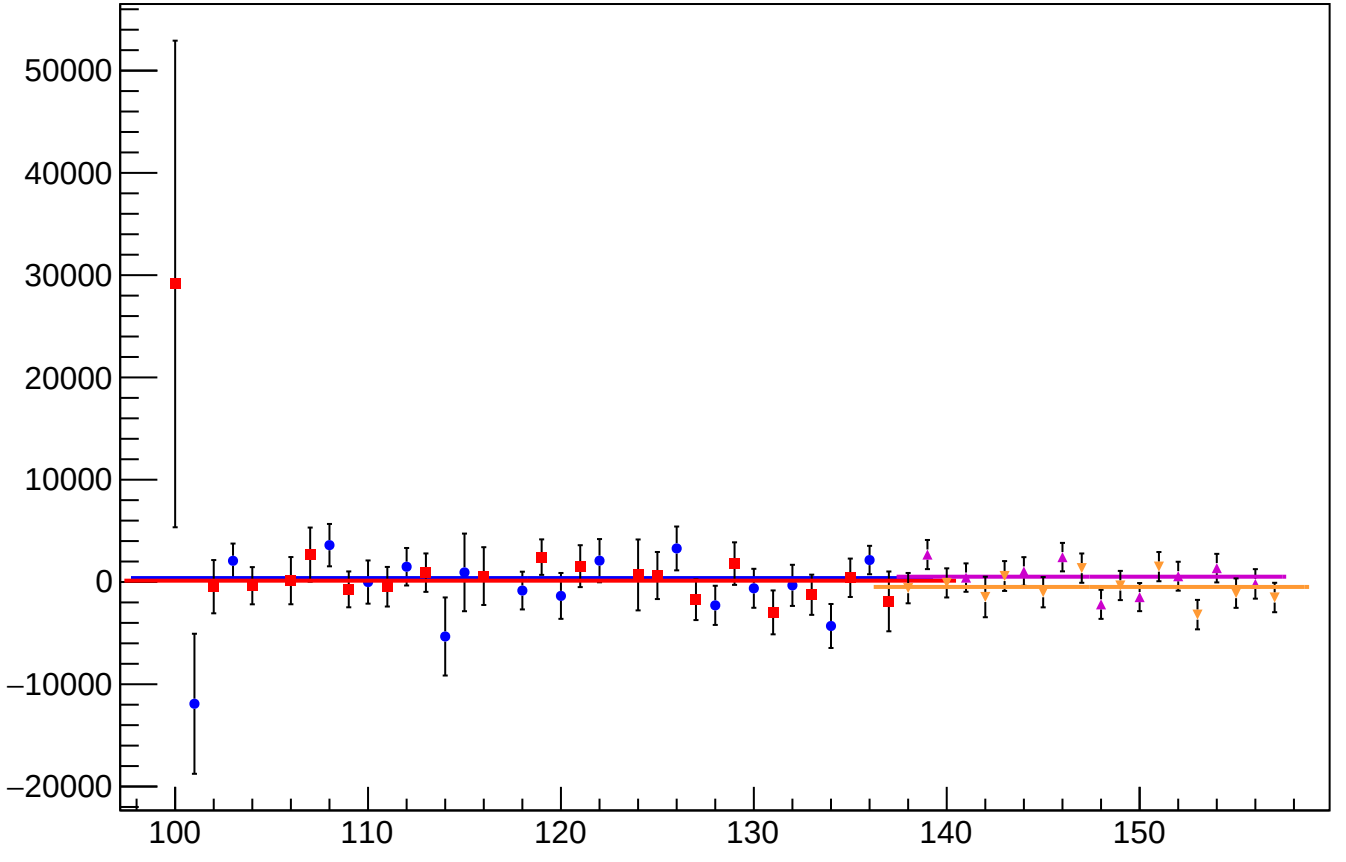
Left In: 0.000+/-0.000 χ^2/NDF:426546.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 5689357.9/26

All: 0.000+/-0.000 χ^2/NDF: 9513380.5/54

- sign 0.000+/-0.000 χ^2/NDF: 2958483.7/27

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.401+/-445.216 χ^2/NDF:8.8/10

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

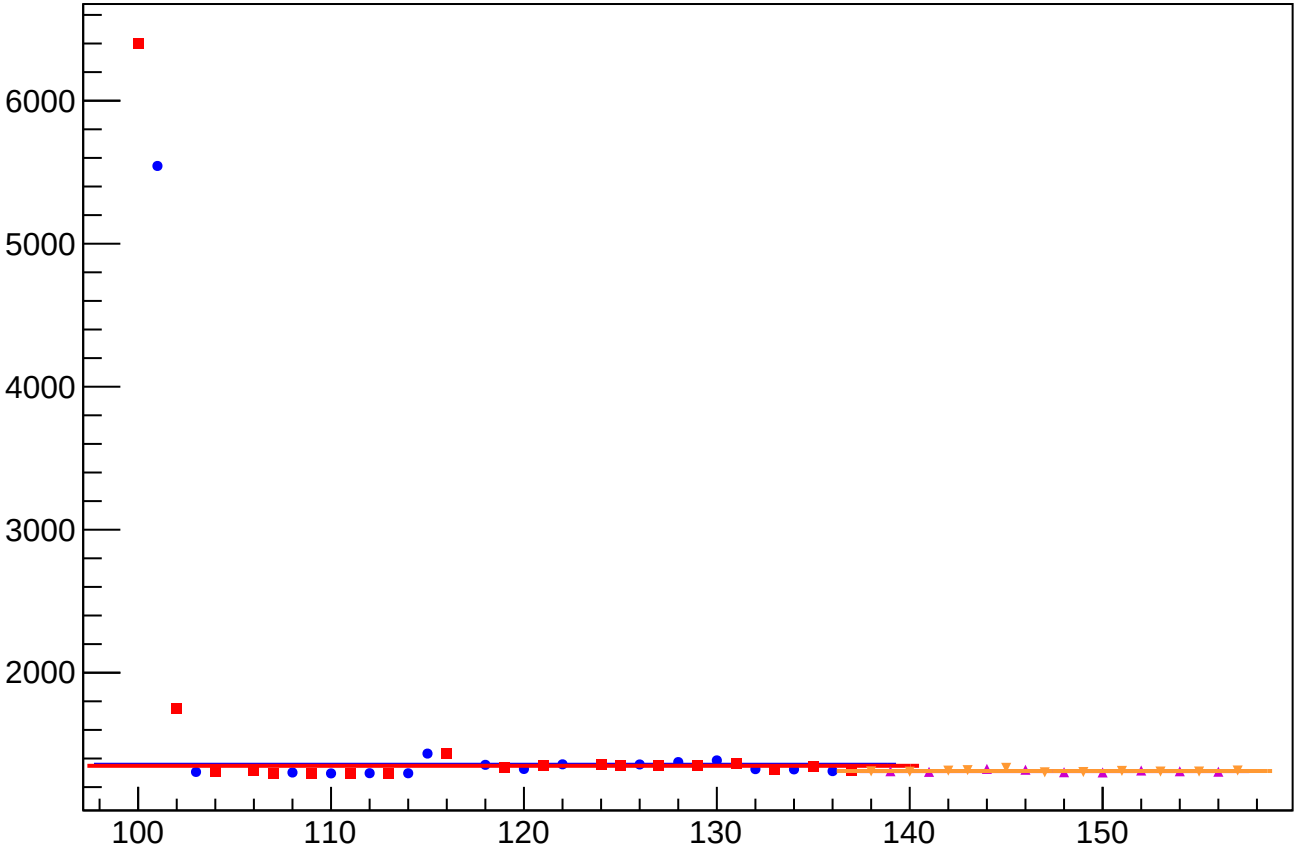
Left In: 515.390+/-468.526 χ^2/NDF:10.7/8

+ sign -116.953+/-337.583 χ^2/NDF: 31.9/26

All: 105.767+/-240.323 χ^2/NDF: 53.8/54

- sign 334.619+/-342.199 χ^2/NDF: 20.9/27

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

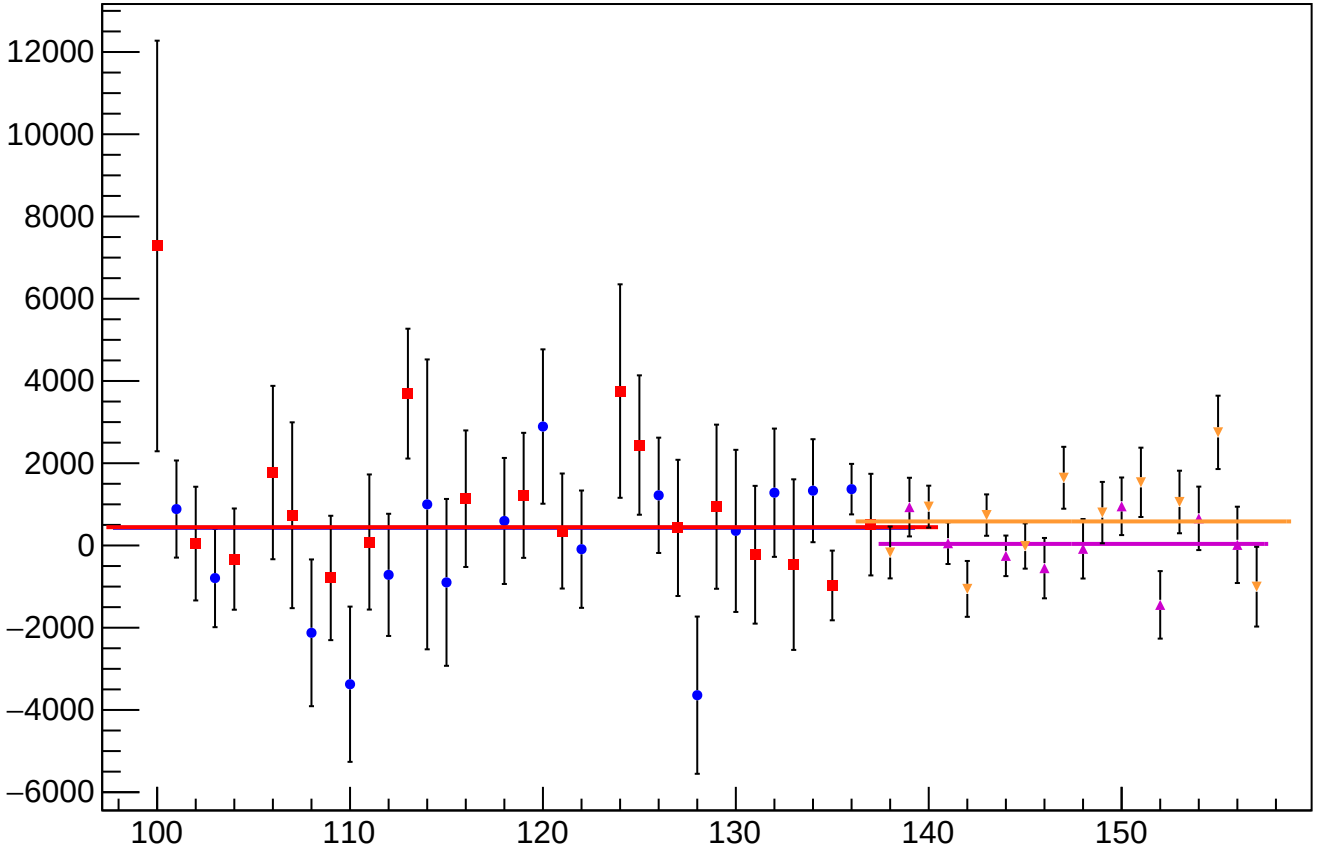
Left In: 1312.076+/-0.331 χ^2/NDF:560.5/8

+ sign 1331.216+/-0.239 χ^2/NDF: 769176.5/26

All: 1330.267+/-0.170 χ^2/NDF: 922822.0/54

- sign 1329.291+/-0.242 χ^2/NDF: 153613.4/27

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 584.665+/-200.832 χ^2/NDF:21.3/10

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

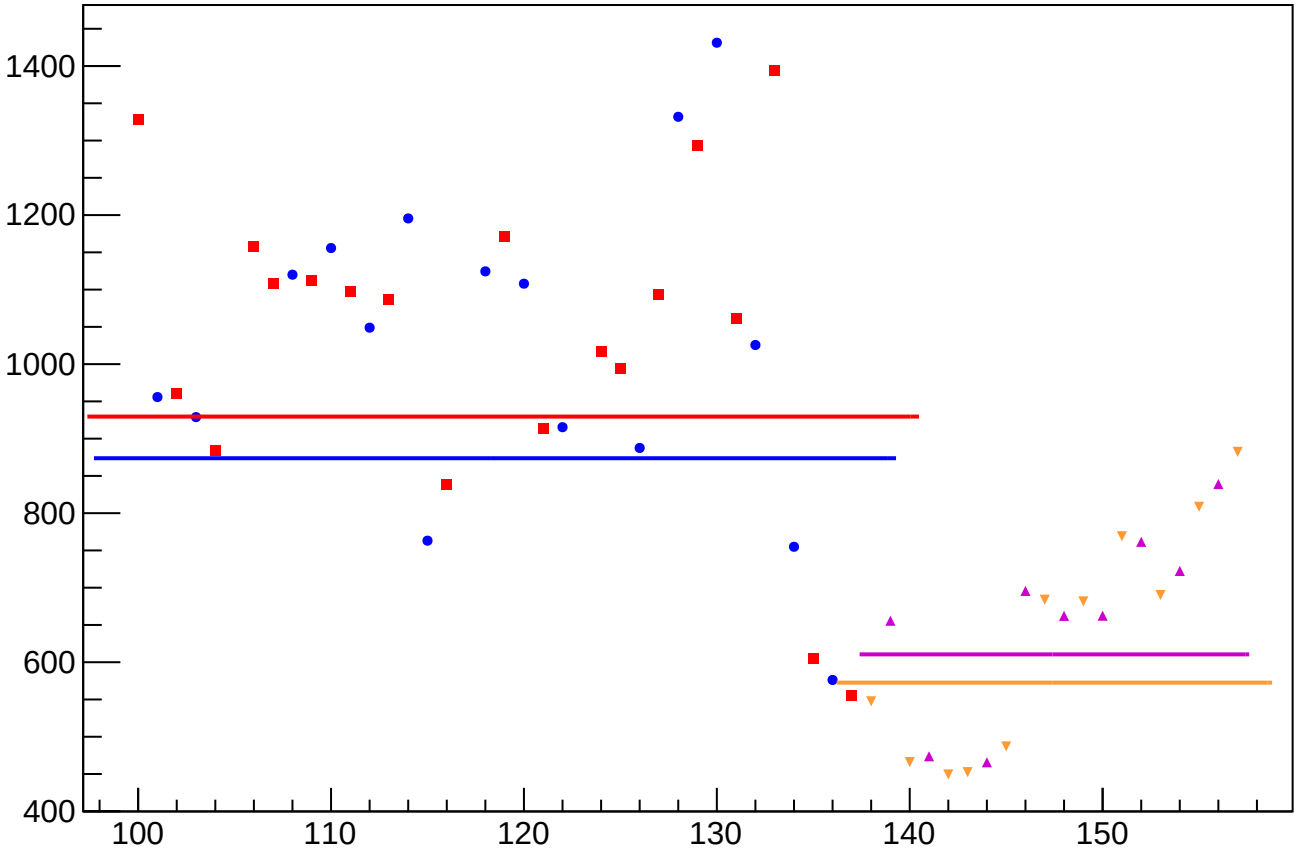
Left In: 37.922+/-222.968 χ^2/NDF:8.2/8

+ sign 544.484+/-172.715 χ^2/NDF: 39.7/26

All: 366.086+/-127.468 χ^2/NDF: 65.6/54

- sign 152.678+/-188.904 χ^2/NDF: 23.5/27

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 572.626+/-0.142 χ^2/NDF:905395.8/10

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

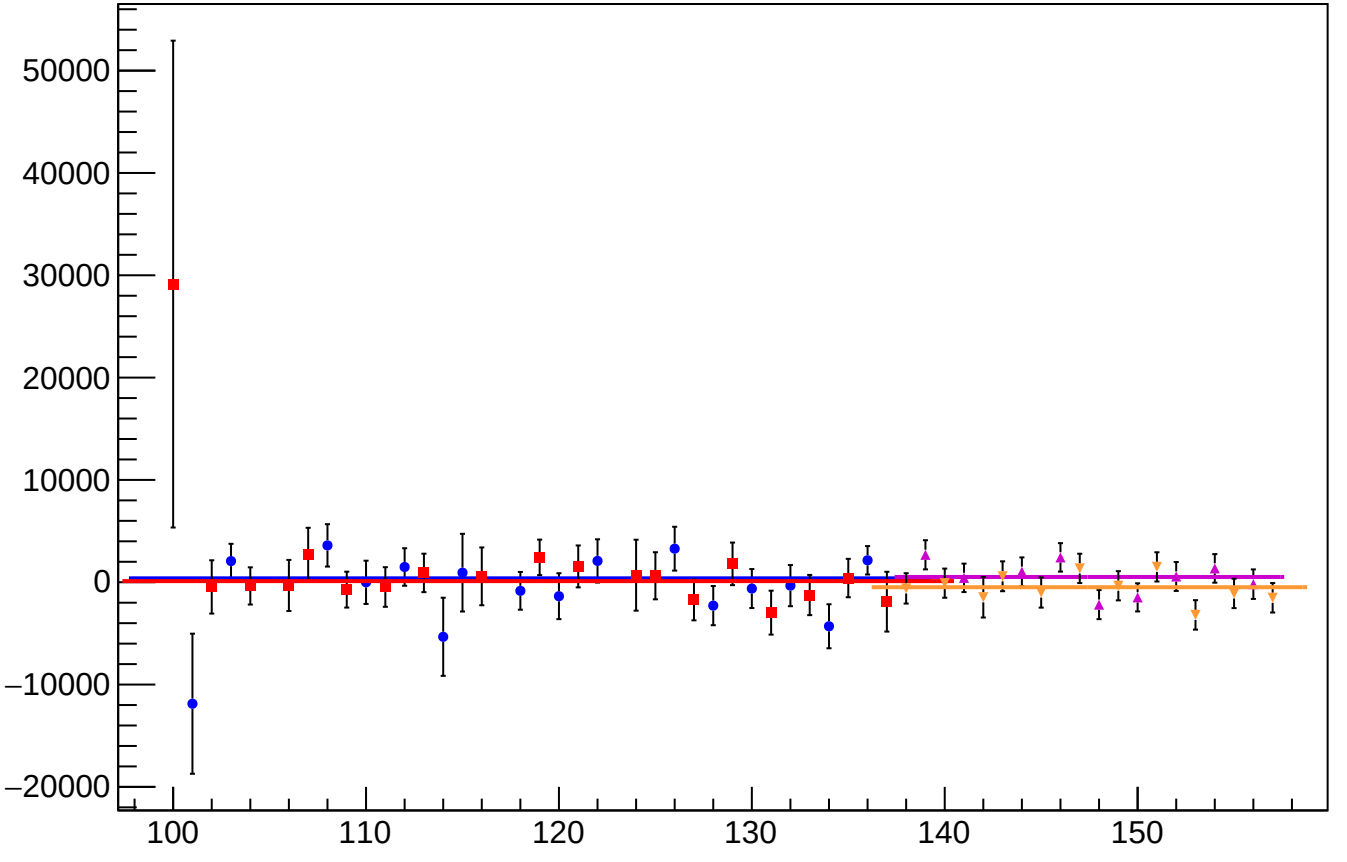
Left In: 610.544+/-0.158 χ^2/NDF:605698.5/8

\+ sign 651.035+/-0.122 χ^2/NDF: 3090972.8/26

All: 673.601+/-0.090 χ^2/NDF: 5787570.3/54

\- sign 700.595+/-0.134 χ^2/NDF: 2621617.4/27

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

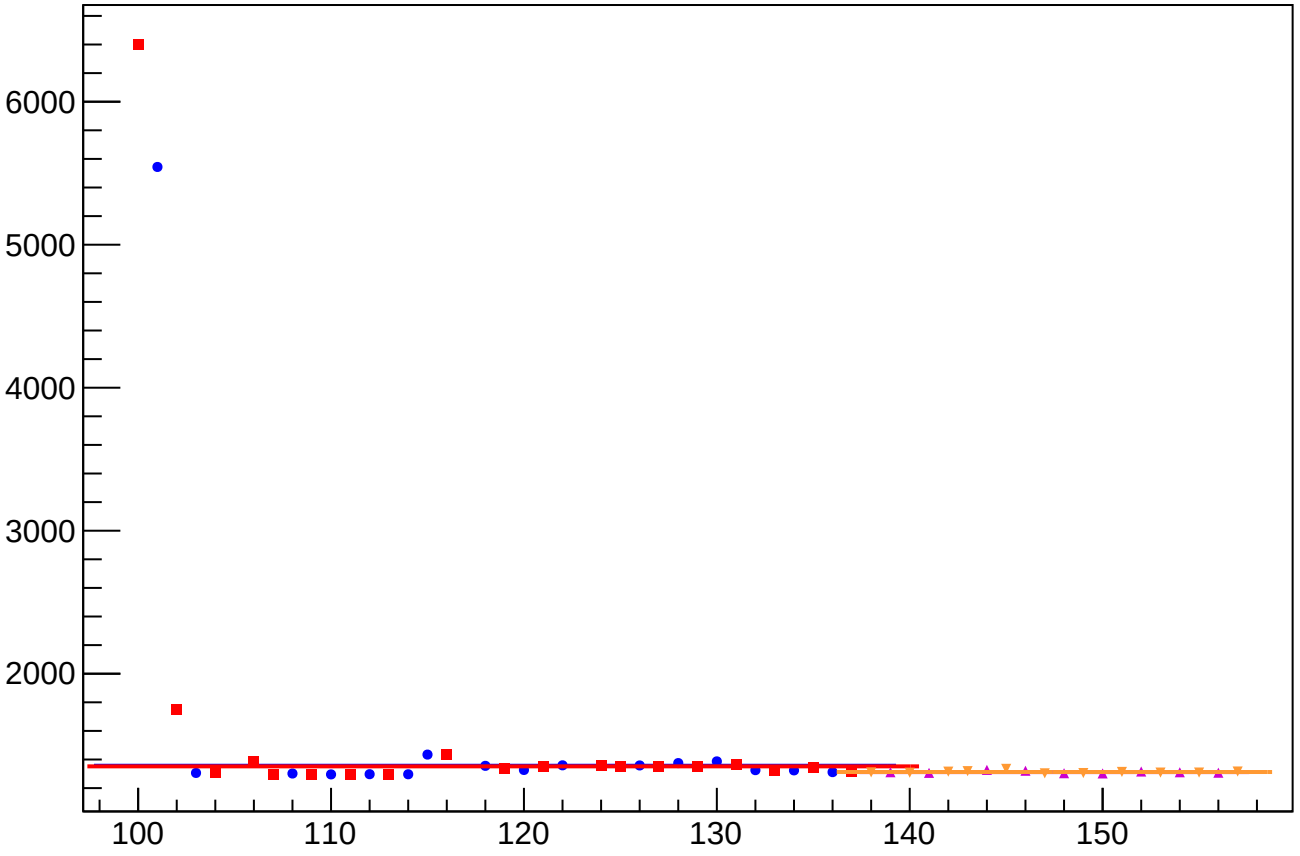
Left In: 515.447+/-468.526 χ^2/NDF:10.7/8

\+ sign -116.869+/-337.583 χ^2/NDF: 31.9/26

All: 101.749+/-240.511 χ^2/NDF: 53.8/54

\- sign 327.102+/-342.742 χ^2/NDF: 21.0/27

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

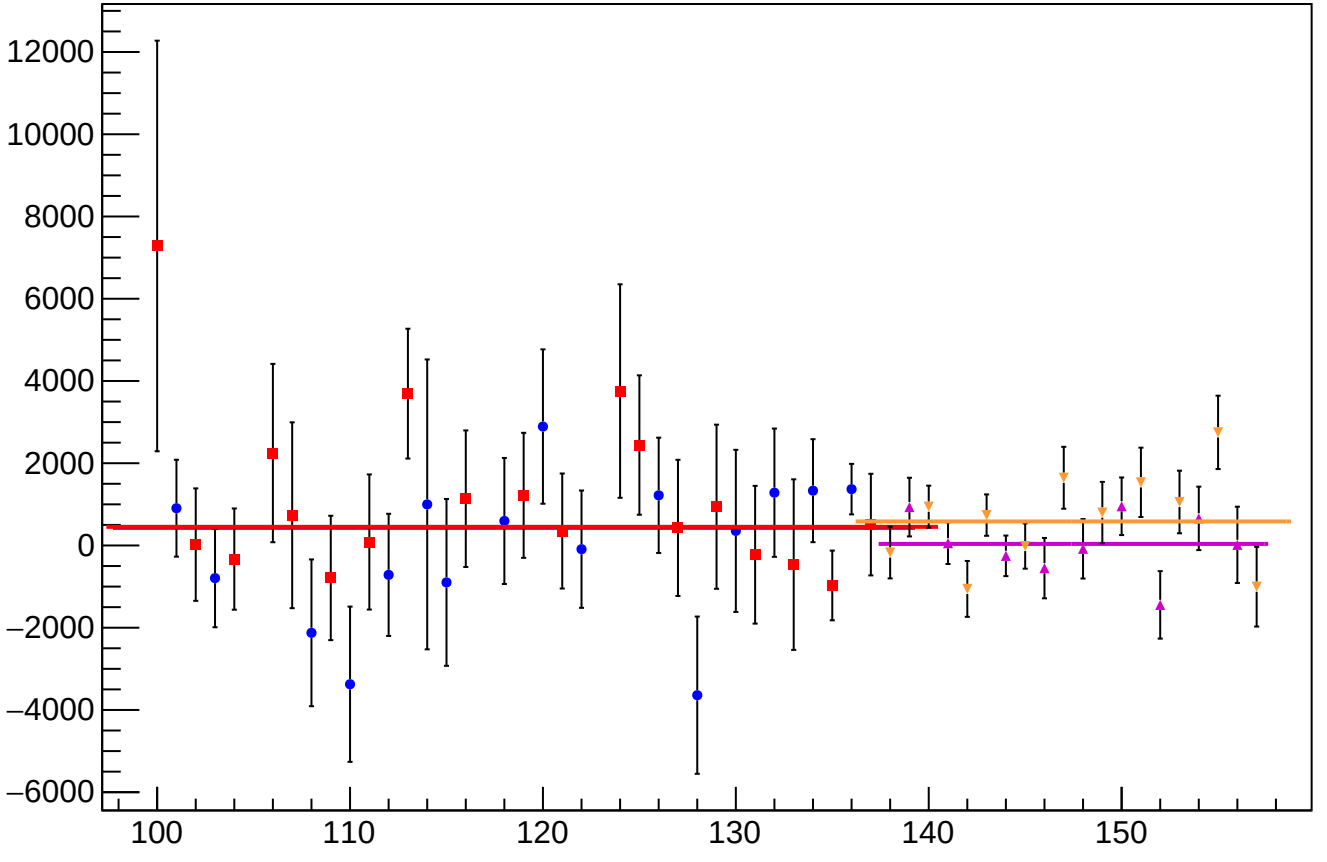
Left In: 1312.076+/-0.331 χ^2/NDF:560.5/8

+ sign 1331.216+/-0.239 χ^2/NDF: 769175.6/26

All: 1330.949+/-0.170 χ^2/NDF: 923844.0/54

- sign 1330.674+/-0.242 χ^2/NDF: 154665.9/27

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

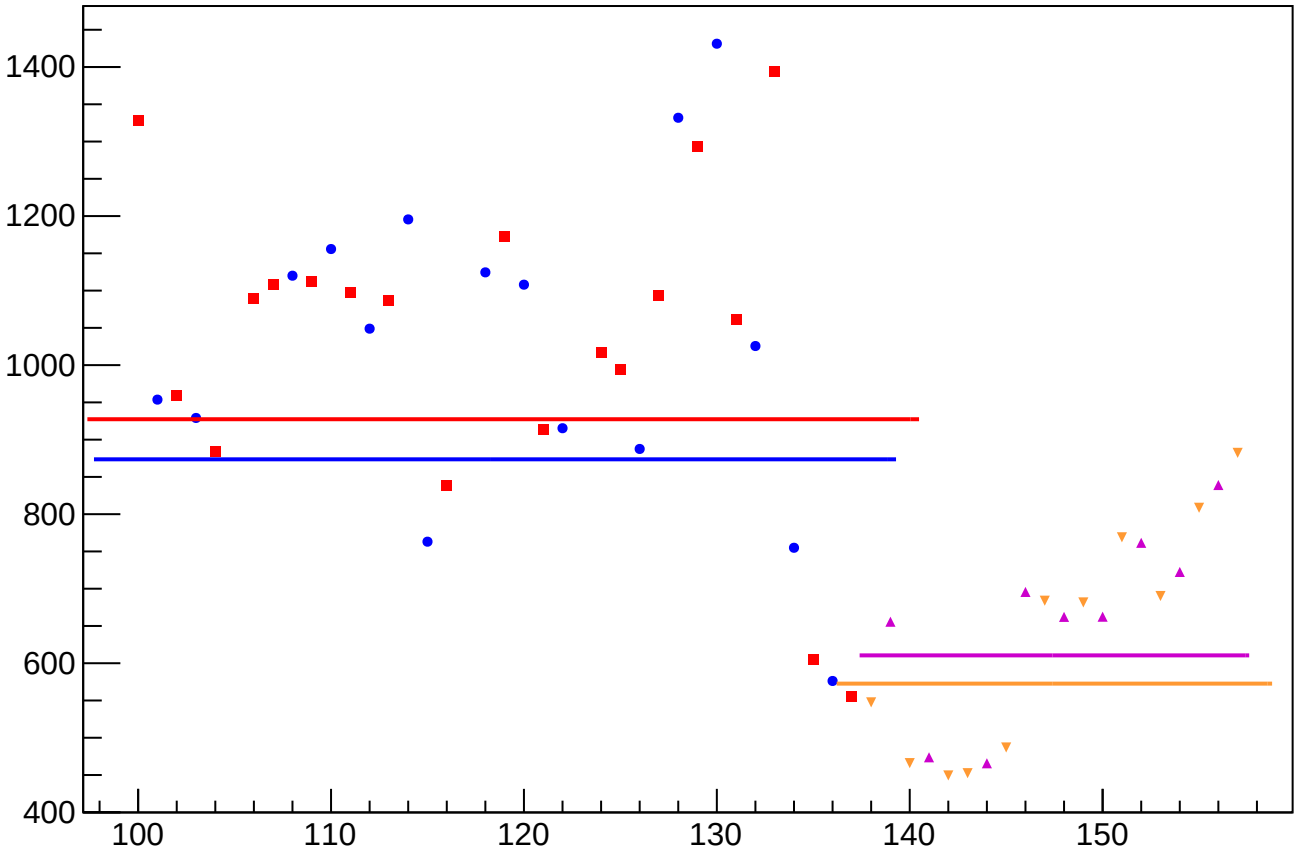
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 37.873+/-222.965 χ^2/NDF:8.2/8

\+ sign 544.886+/-172.708 χ^2/NDF: 39.7/26

All: 367.384+/-127.465 χ^2/NDF: 65.9/54

\- sign 155.032+/-188.903 χ^2/NDF: 23.9/27



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

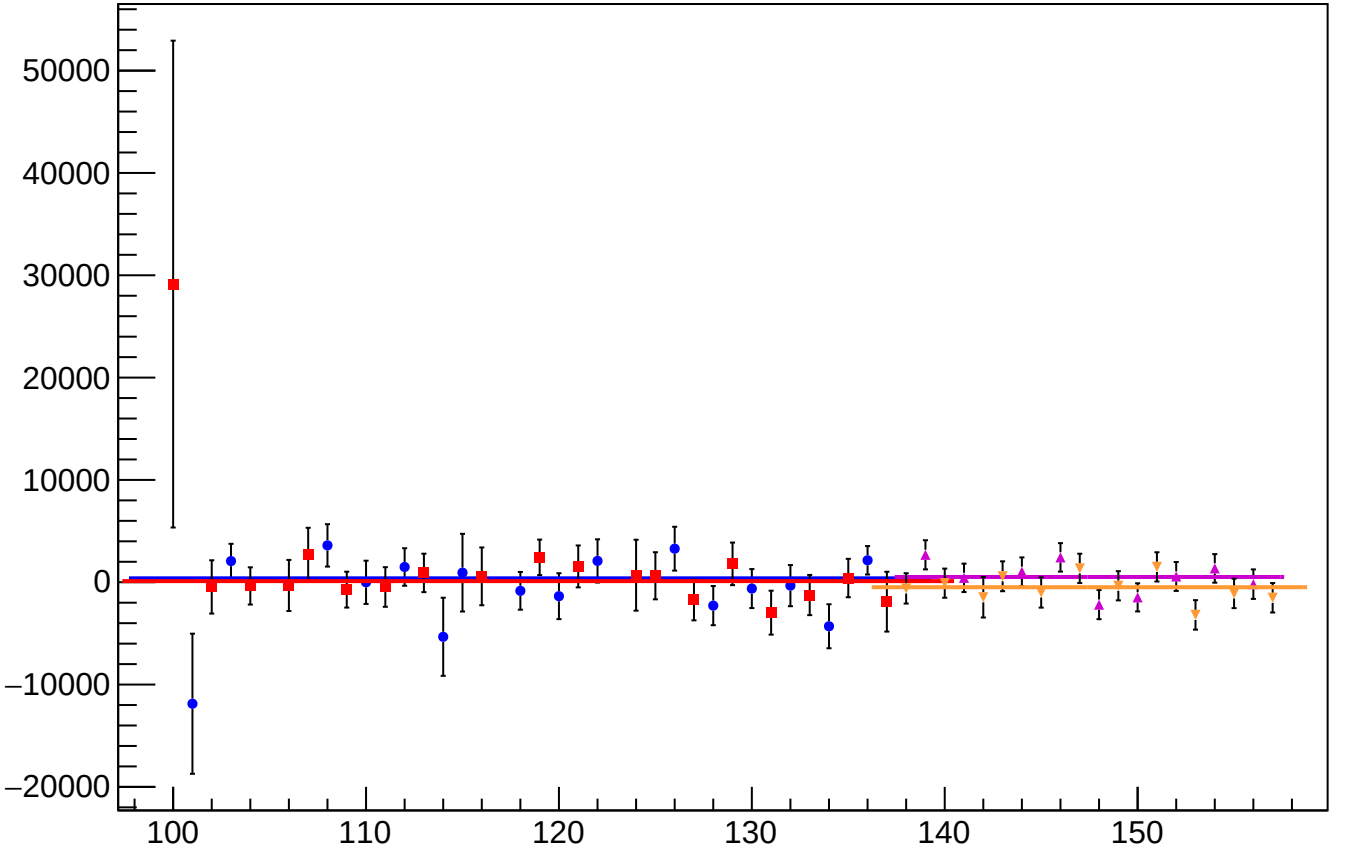
Left In: 610.535+/-0.158 χ^2/NDF:605751.9/8

\+ sign 651.025+/-0.122 χ^2/NDF: 3089759.9/26

All: 673.304+/-0.090 χ^2/NDF: 5755921.5/54

\- sign 699.956+/-0.134 χ^2/NDF: 2593069.5/27

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -485.484+/-445.216 χ^2/NDF:8.8/10

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

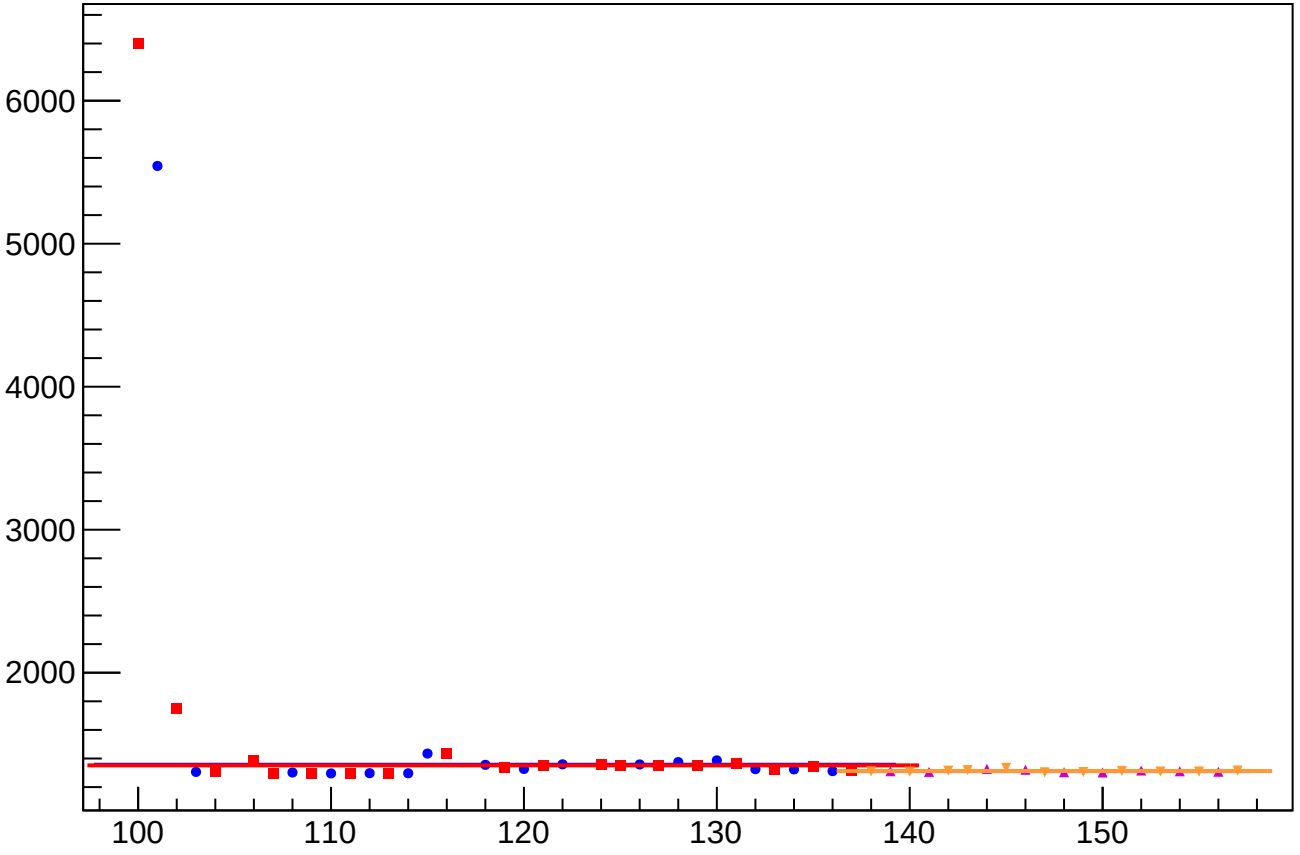
Left In: 515.447+/-468.526 χ^2/NDF:10.7/8

+ sign -116.869+/-337.583 χ^2/NDF: 31.9/26

All: 101.749+/-240.511 χ^2/NDF: 53.8/54

- sign 327.102+/-342.742 χ^2/NDF: 21.0/27

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.598+/-0.315 χ^2/NDF:682.8/10

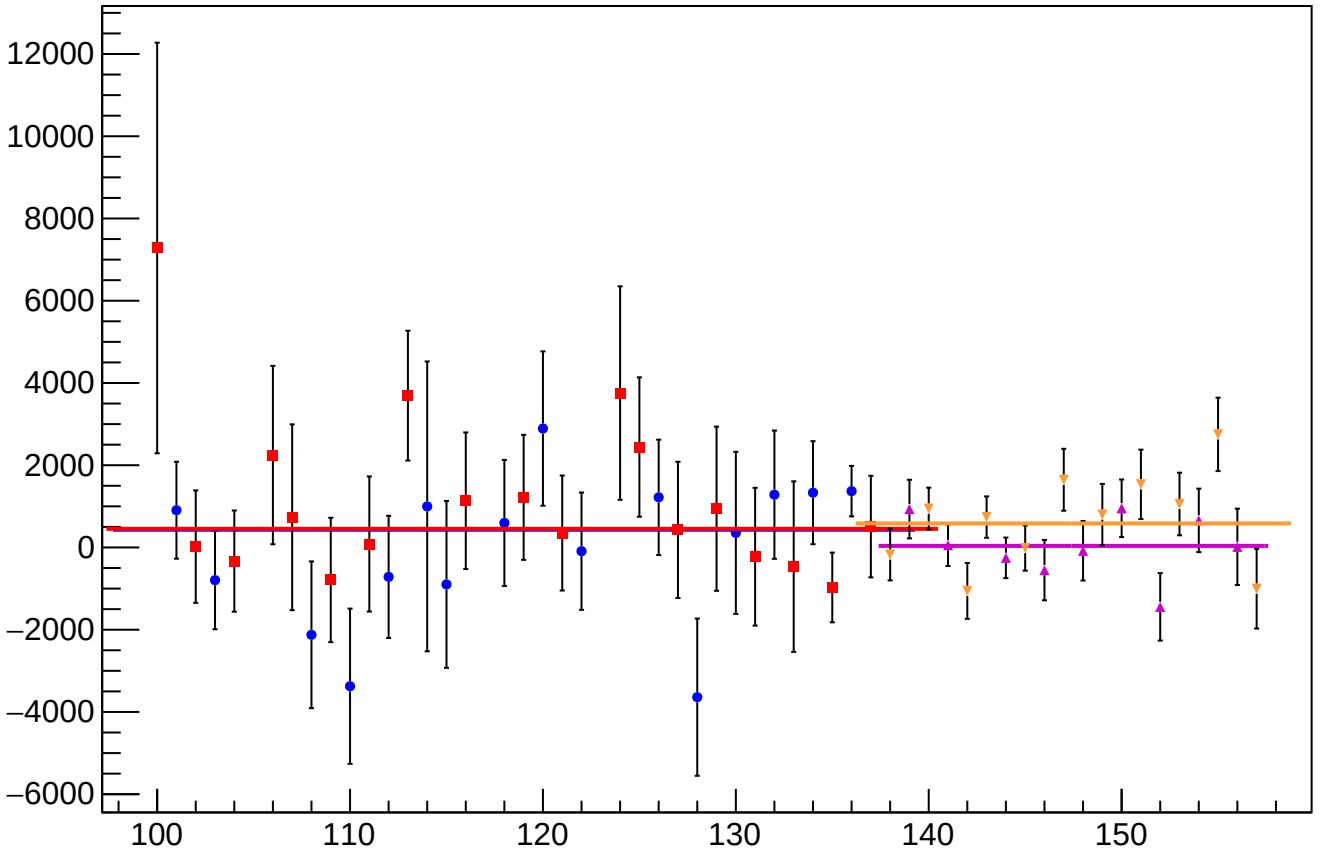
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.076+/-0.331 χ^2/NDF:560.5/8

+ sign 1331.216+/-0.239 χ^2/NDF: 769175.6/26

All: 1330.949+/-0.170 χ^2/NDF: 923844.0/54

- sign 1330.674+/-0.242 χ^2/NDF: 154665.9/27



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 584.598+/-200.833 χ^2/NDF:21.3/10

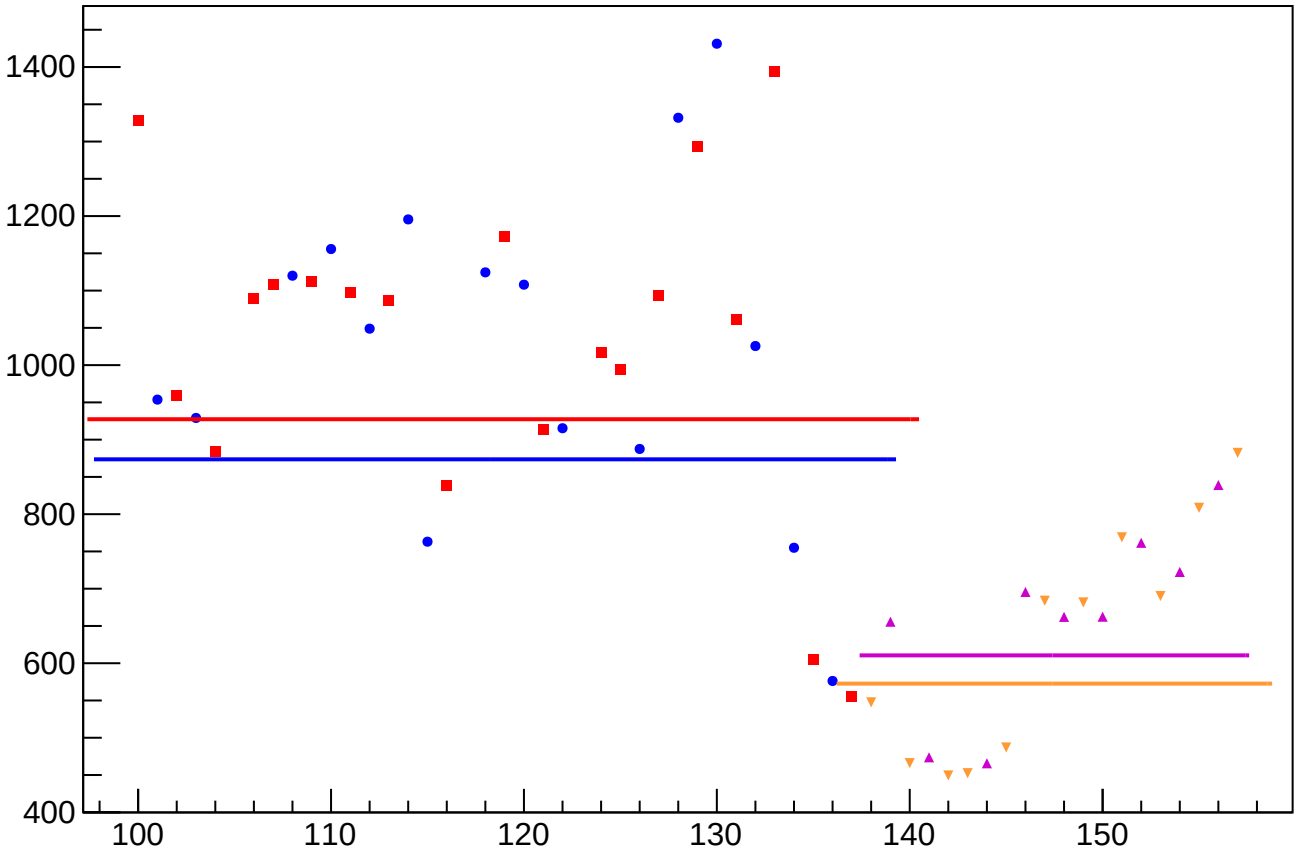
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 37.873+/-222.965 χ^2/NDF:8.2/8

+ sign 544.886+/-172.708 χ^2/NDF: 39.7/26

All: 367.384+/-127.465 χ^2/NDF: 65.9/54

- sign 155.032+/-188.903 χ^2/NDF: 23.9/27



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 572.630+/-0.142 χ^2/NDF:905364.5/10

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

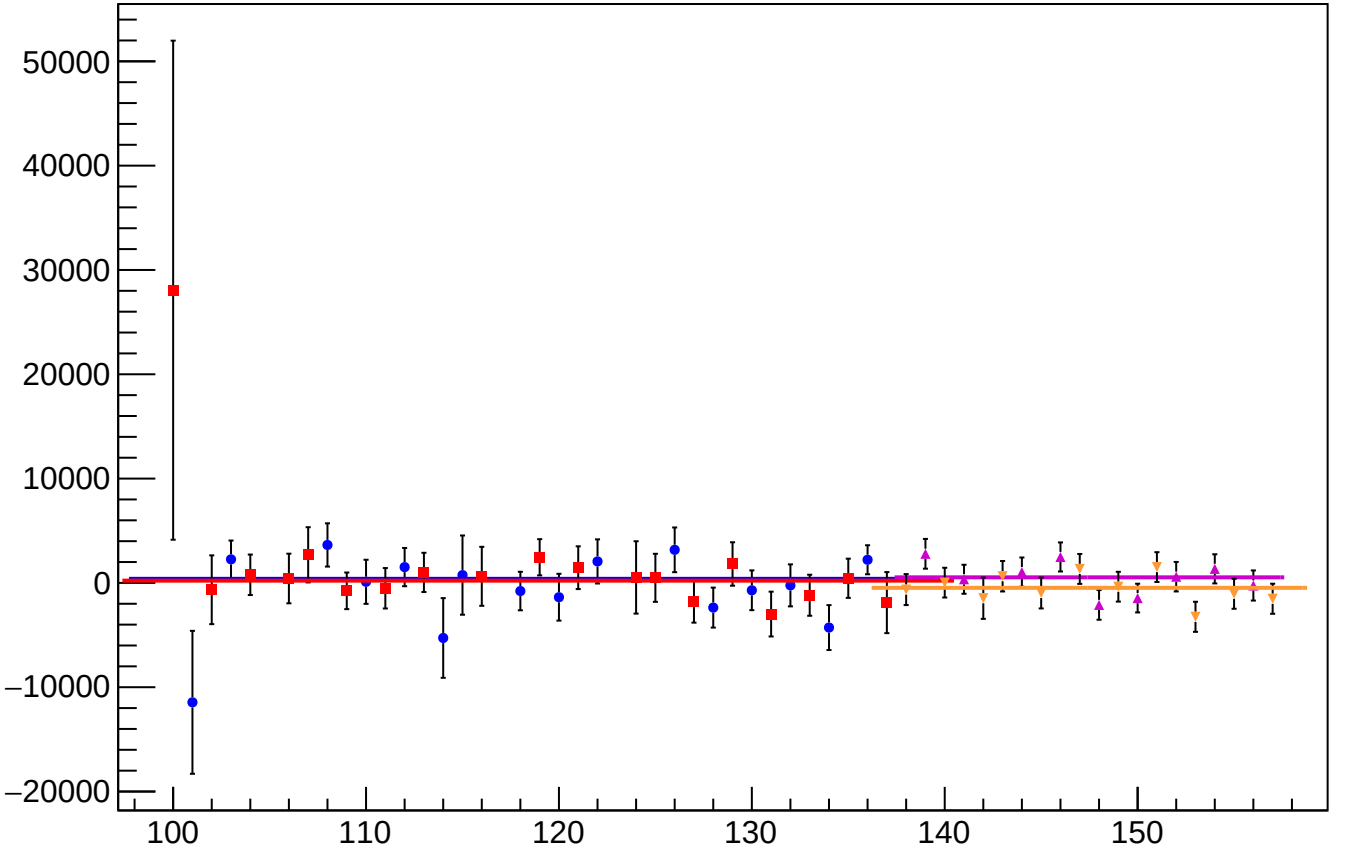
Left In: 610.535+/-0.158 χ^2/NDF:605751.9/8

\+ sign 651.025+/-0.122 χ^2/NDF: 3089759.9/26

All: 673.304+/-0.090 χ^2/NDF: 5755921.5/54

\- sign 699.956+/-0.134 χ^2/NDF: 2593069.5/27

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.061+/-445.557 χ^2/NDF:9.0/10

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

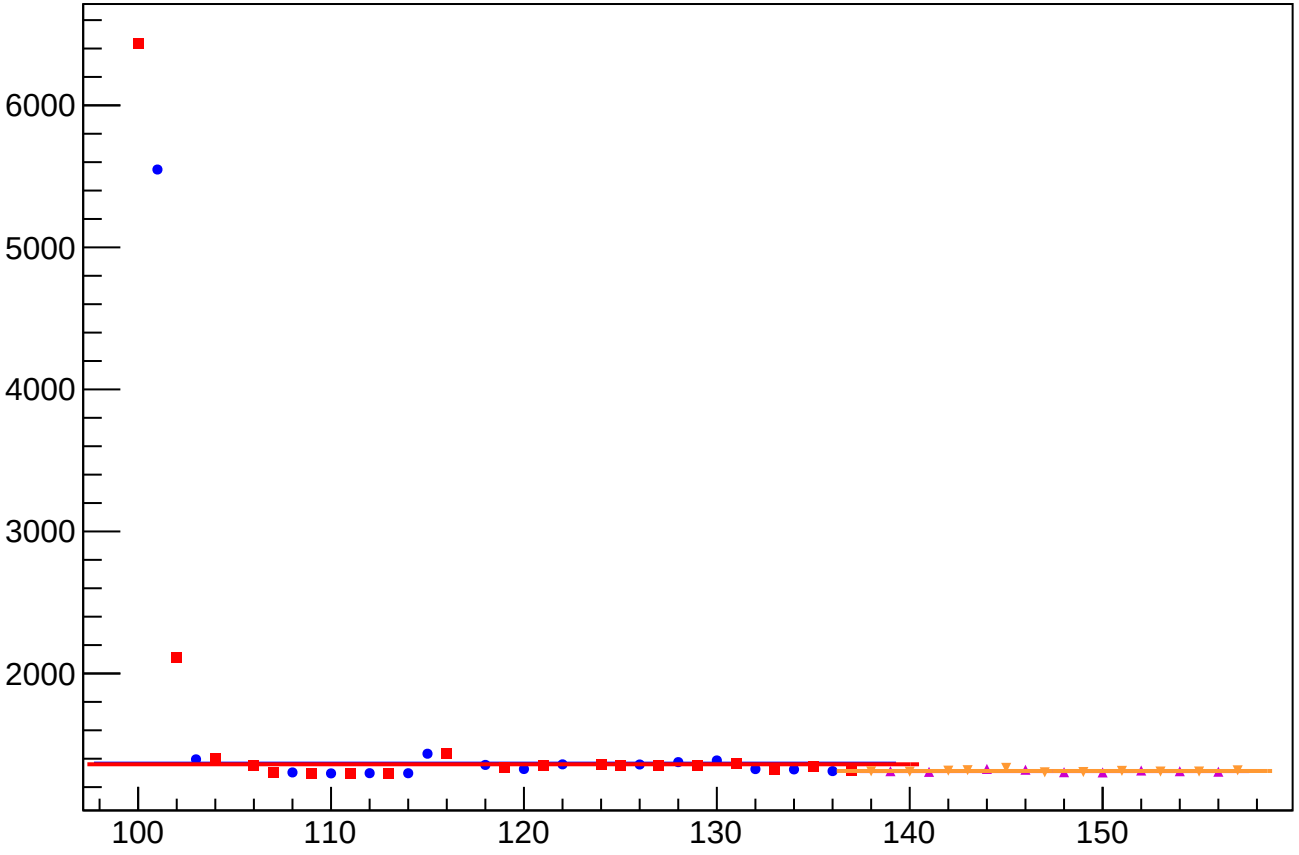
Left In: 532.686+/-468.841 χ^2/NDF:10.8/8

\+ sign -108.060+/-338.661 χ^2/NDF: 32.0/26

All: 135.723+/-241.511 χ^2/NDF: 54.0/54

\- sign 388.000+/-344.511 χ^2/NDF: 21.0/27

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

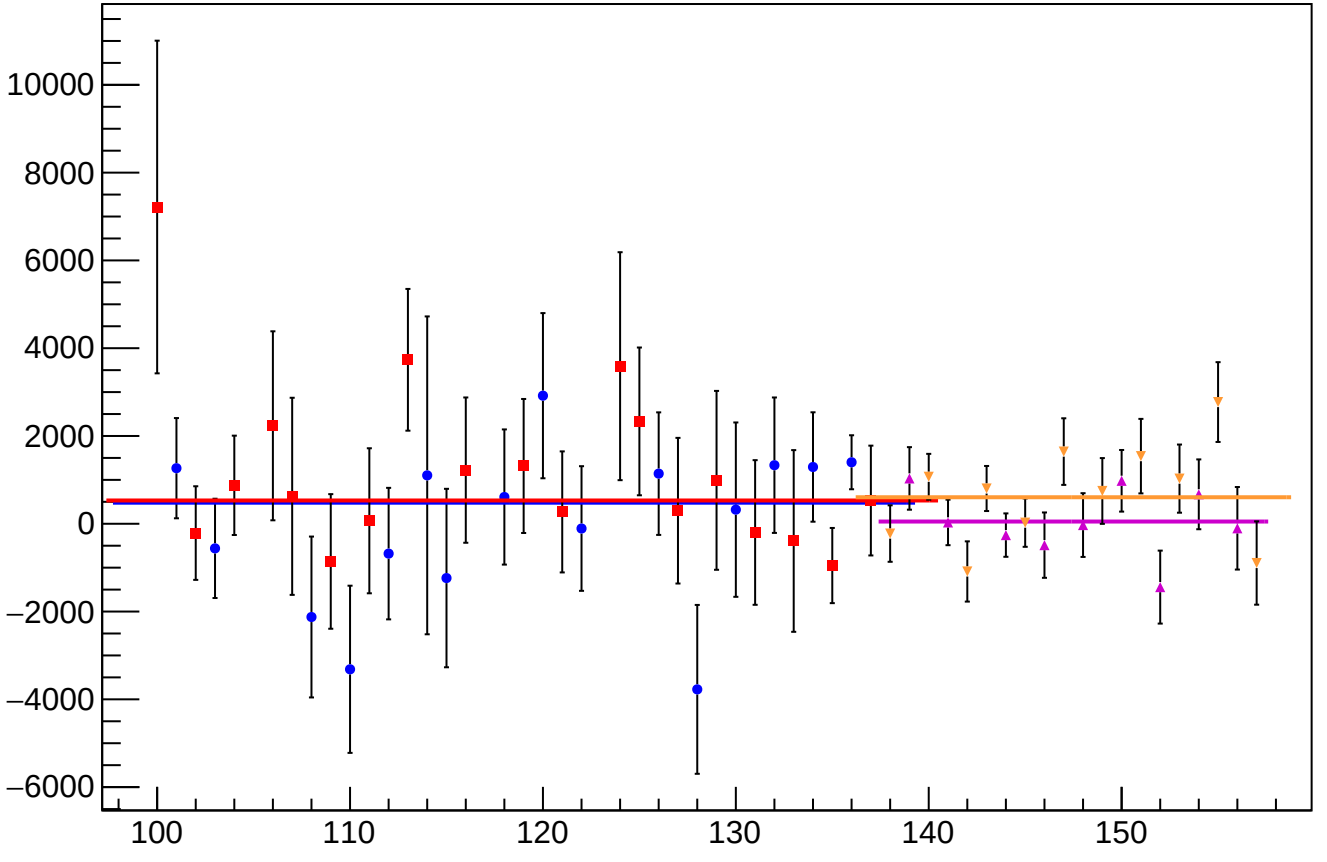
Left In: 1312.958+/-0.332 χ^2/NDF:554.1/8

+ sign 1335.433+/-0.239 χ^2/NDF: 770998.0/26

All: 1335.198+/-0.171 χ^2/NDF: 986438.3/54

- sign 1334.954+/-0.244 χ^2/NDF: 215438.3/27

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 604.053+/-203.331 χ^2/NDF:21.4/10

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

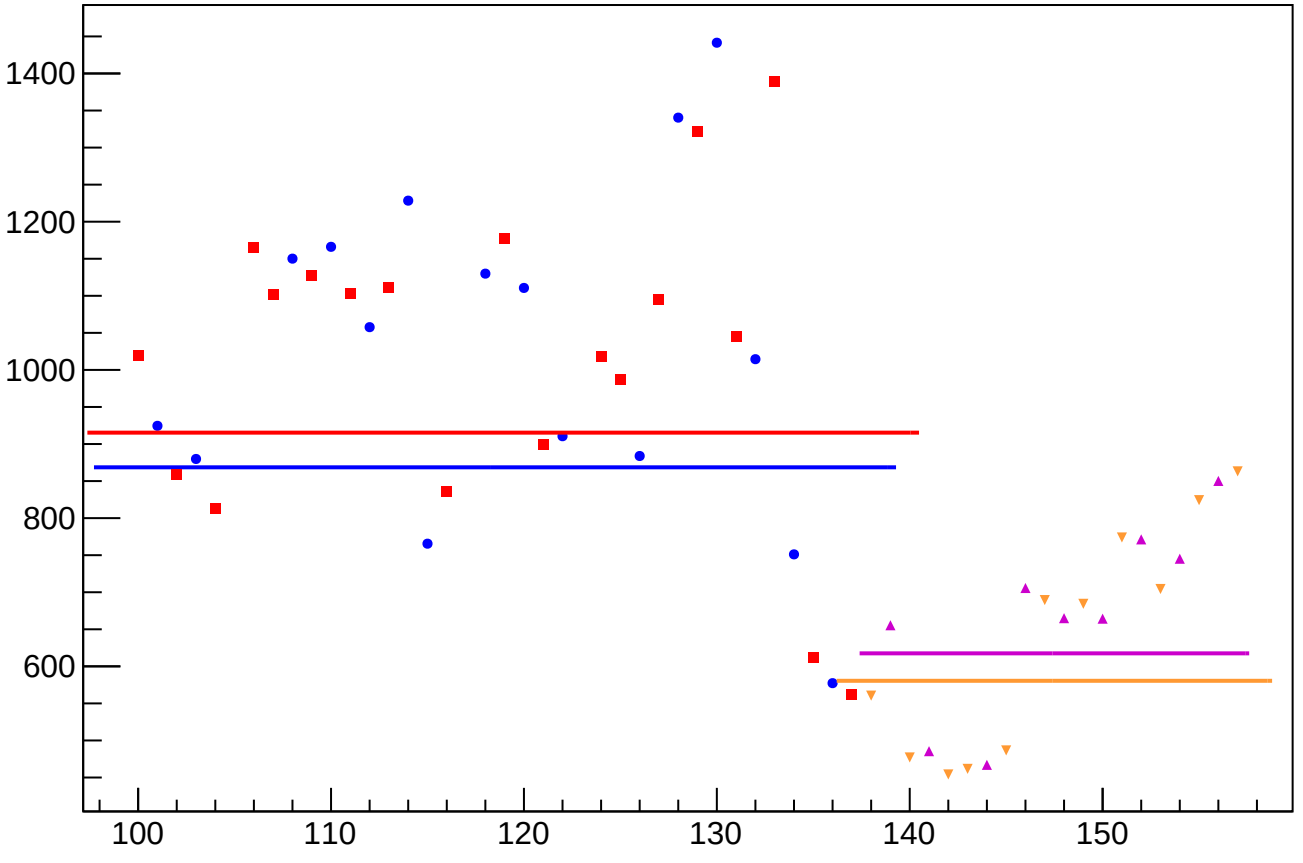
Left In: 50.746+/-225.479 χ^2/NDF:8.4/8

+ sign 570.984+/-174.031 χ^2/NDF: 40.1/26

All: 397.799+/-128.000 χ^2/NDF: 67.7/54

- sign 193.704+/-188.924 χ^2/NDF: 25.4/27

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 580.505+/-0.144 χ^2/NDF:869133.1/10

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

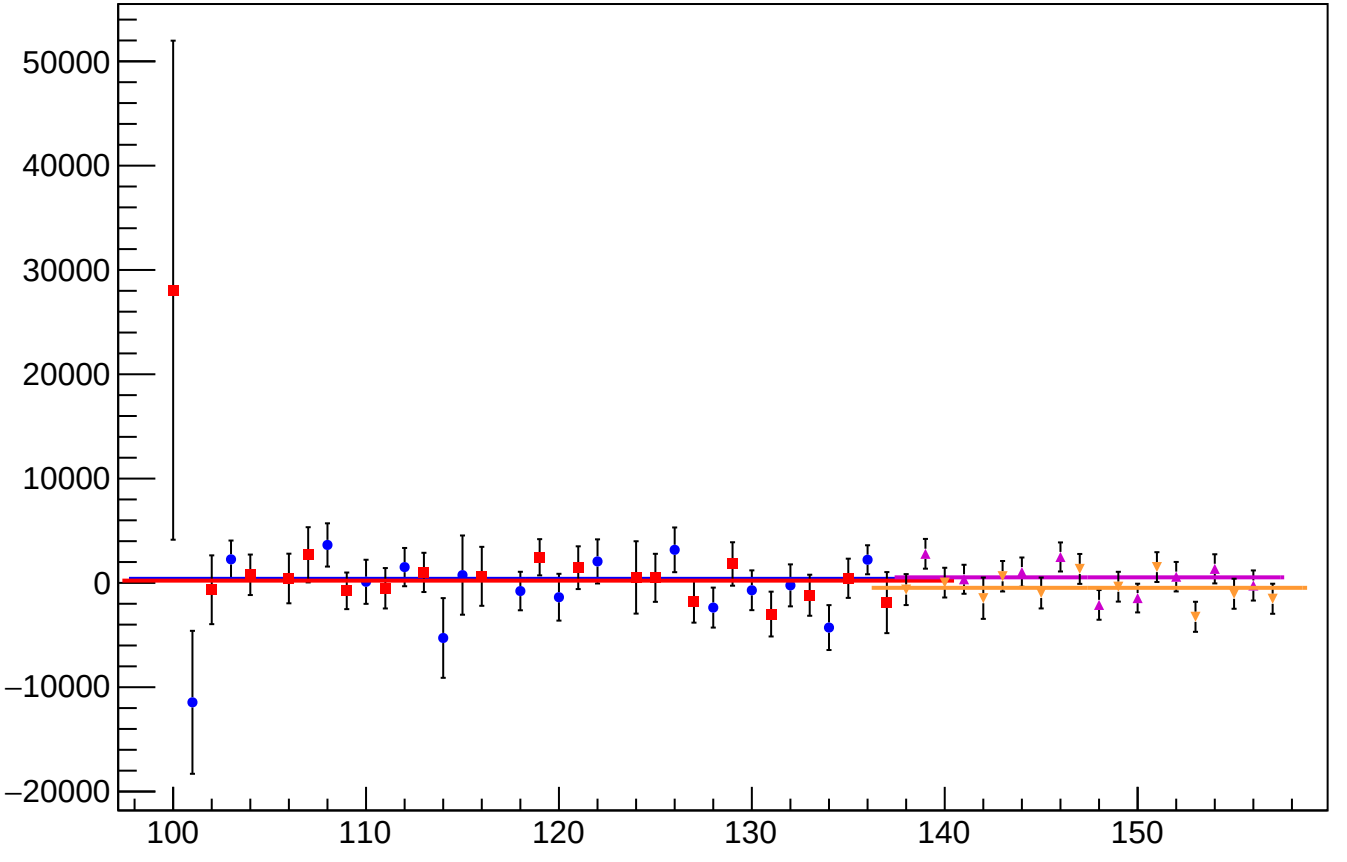
Left In: 617.543+/-0.159 χ^2/NDF:608403.9/8

\+ sign 657.546+/-0.123 χ^2/NDF: 2964060.0/26

All: 679.917+/-0.091 χ^2/NDF: 5542986.4/54

\- sign 706.281+/-0.134 χ^2/NDF: 2506929.8/27

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -472.062+/-445.557 χ^2/NDF:9.0/10

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

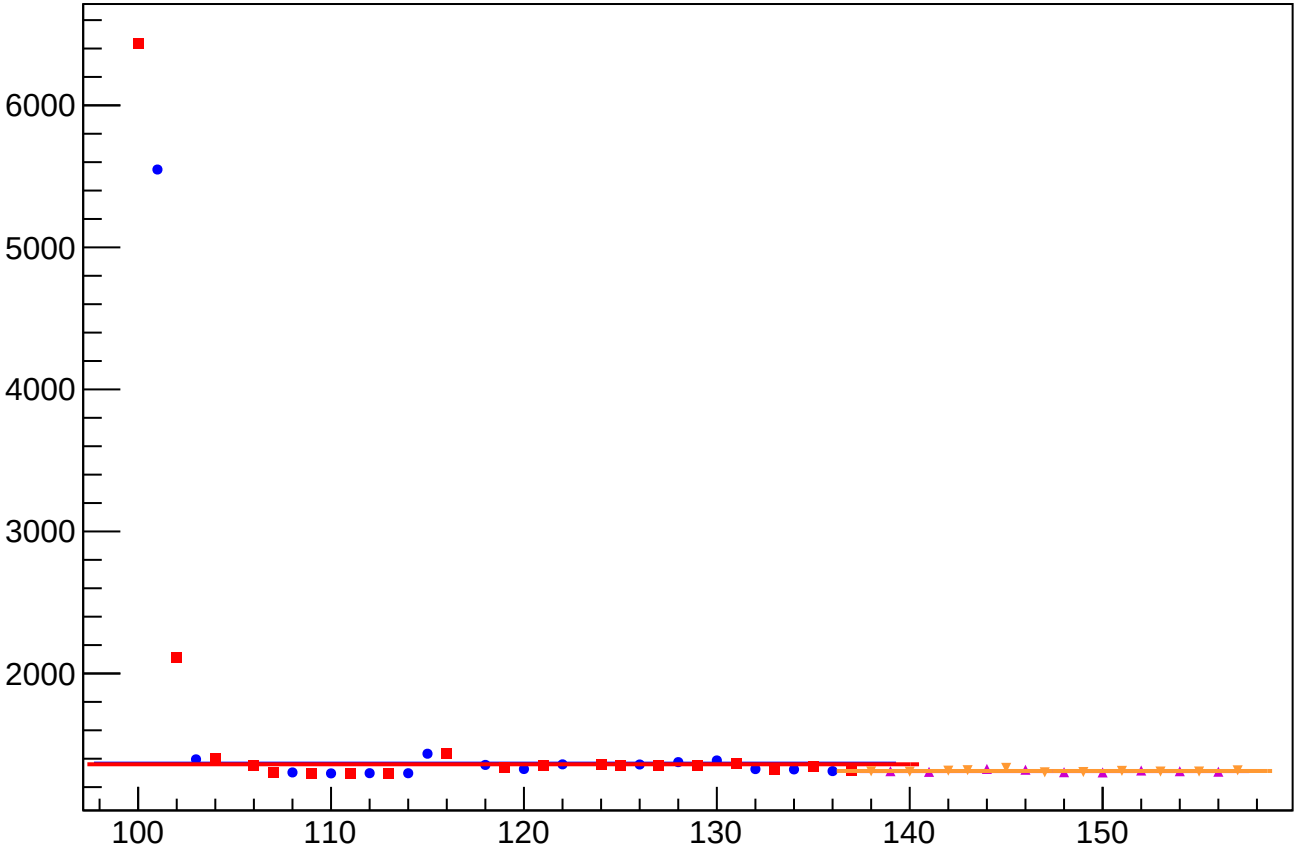
Left In: 532.686+/-468.841 χ^2/NDF:10.8/8

+ sign -108.060+/-338.661 χ^2/NDF: 32.0/26

All: 135.722+/-241.511 χ^2/NDF: 54.0/54

- sign 387.999+/-344.511 χ^2/NDF: 21.0/27

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.601+/-0.315 χ^2/NDF:682.1/10

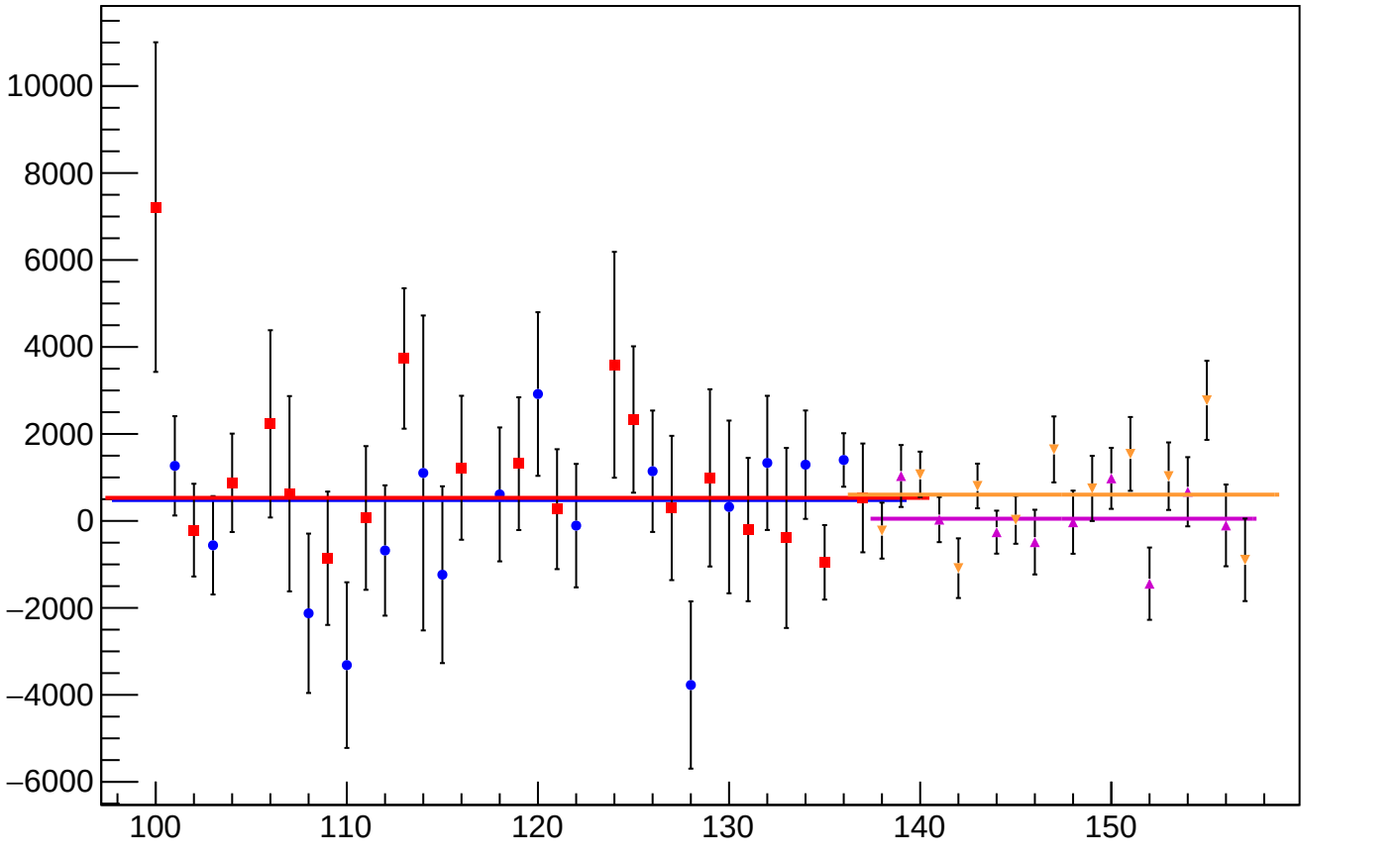
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1312.958+/-0.332 χ^2/NDF:554.1/8

+ sign 1335.433+/-0.239 χ^2/NDF: 770998.0/26

All: 1335.198+/-0.171 χ^2/NDF: 986438.2/54

- sign 1334.954+/-0.244 χ^2/NDF: 215438.3/27



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 604.054+/-203.331 χ^2/NDF:21.4/10

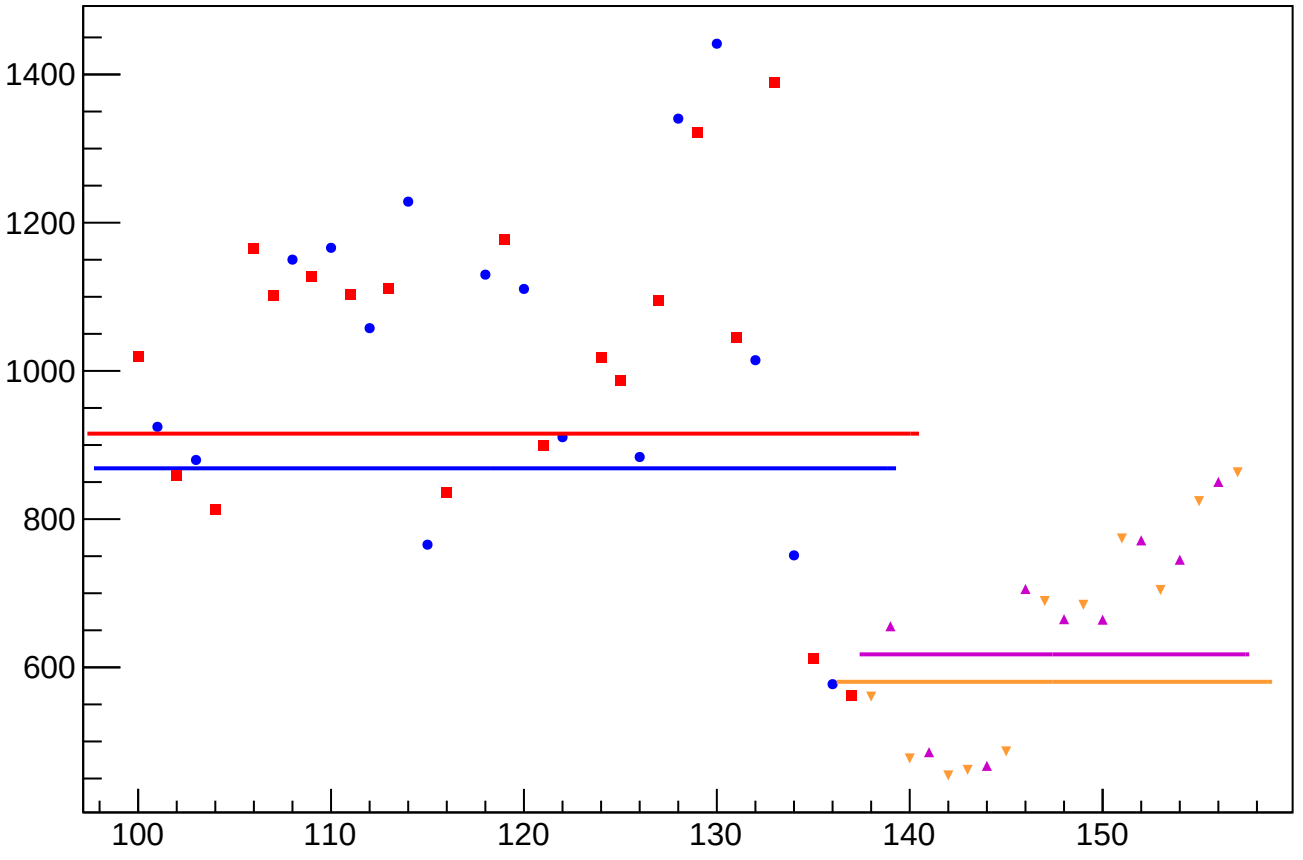
Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 50.746+/-225.480 χ^2/NDF:8.4/8

\+ sign 570.983+/-174.031 χ^2/NDF: 40.1/26

All: 397.799+/-128.000 χ^2/NDF: 67.7/54

\- sign 193.704+/-188.924 χ^2/NDF: 25.4/27



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 580.504+/-0.144 χ^2/NDF:869144.8/10

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

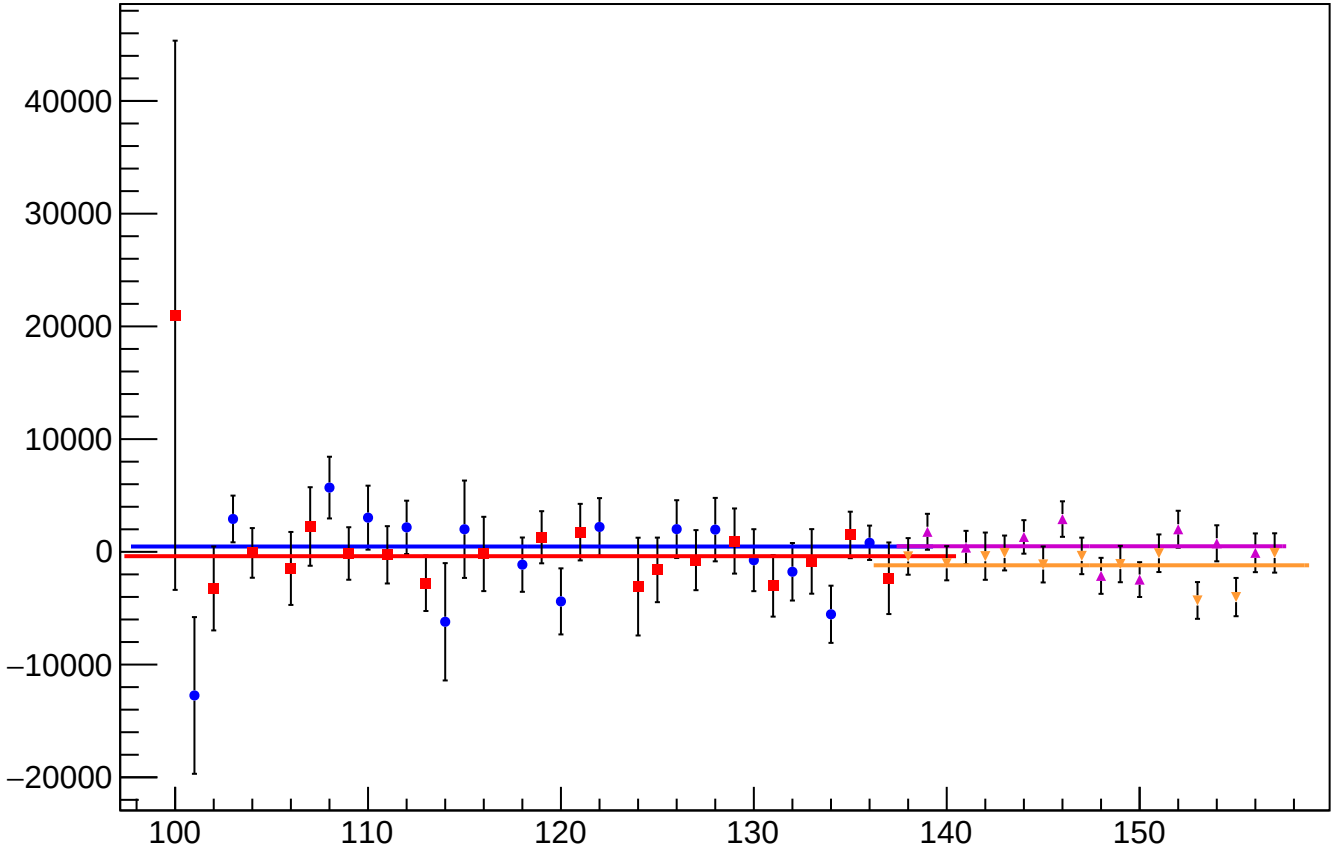
Left In: 617.544+/-0.159 χ^2/NDF:608409.3/8

+ sign 657.545+/-0.123 χ^2/NDF: 2964058.0/26

All: 679.917+/-0.091 χ^2/NDF: 5542976.5/54

- sign 706.281+/-0.134 χ^2/NDF: 2506919.6/27

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1192.468+/-498.216 χ^2/NDF:8.4/10

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

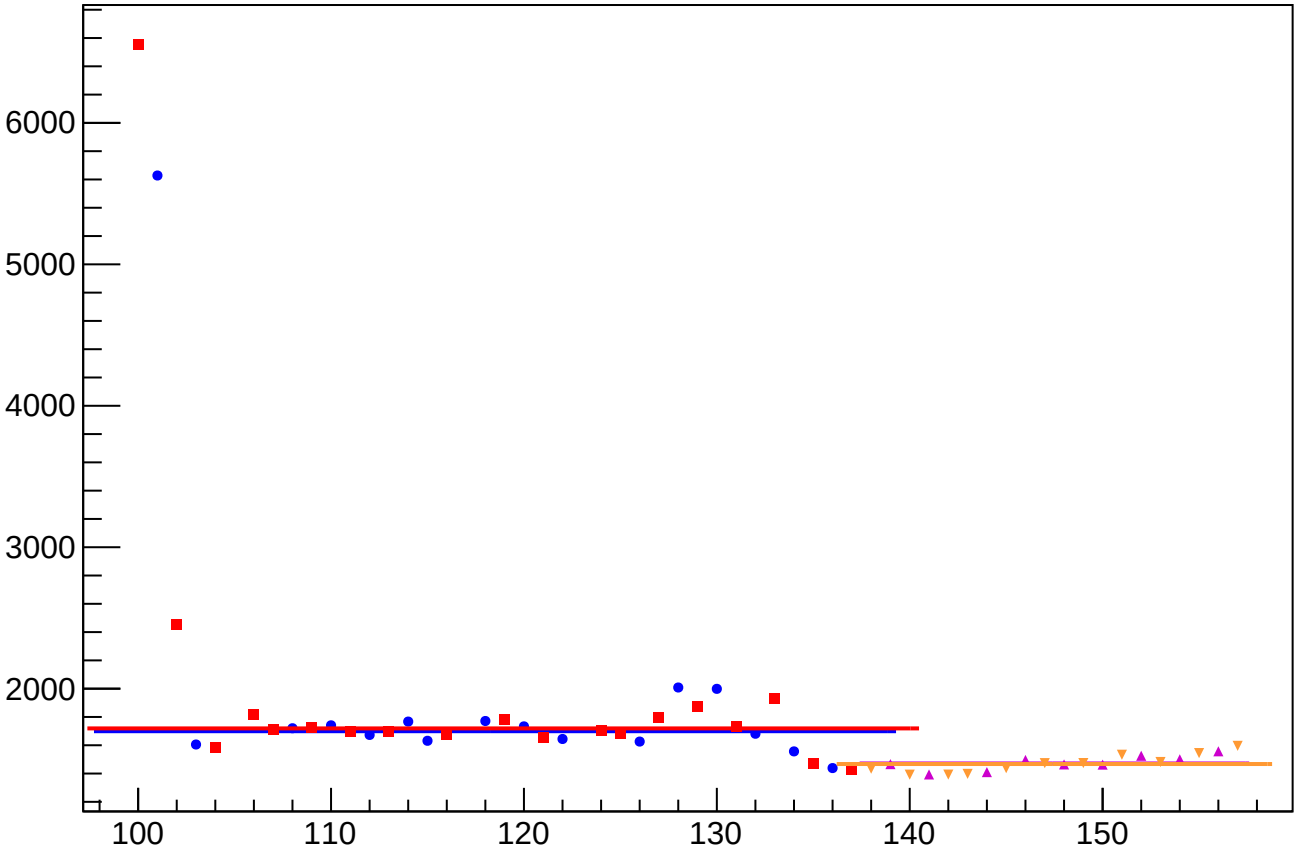
Left In: 496.311+/-525.732 χ^2/NDF:10.7/8

+ sign -575.025+/-395.251 χ^2/NDF: 35.2/26

All: -226.487+/-283.463 χ^2/NDF: 55.9/54

- sign 142.627+/-406.750 χ^2/NDF: 19.0/27

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1467.330+/-0.352 χ^2/NDF:31308.6/10

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

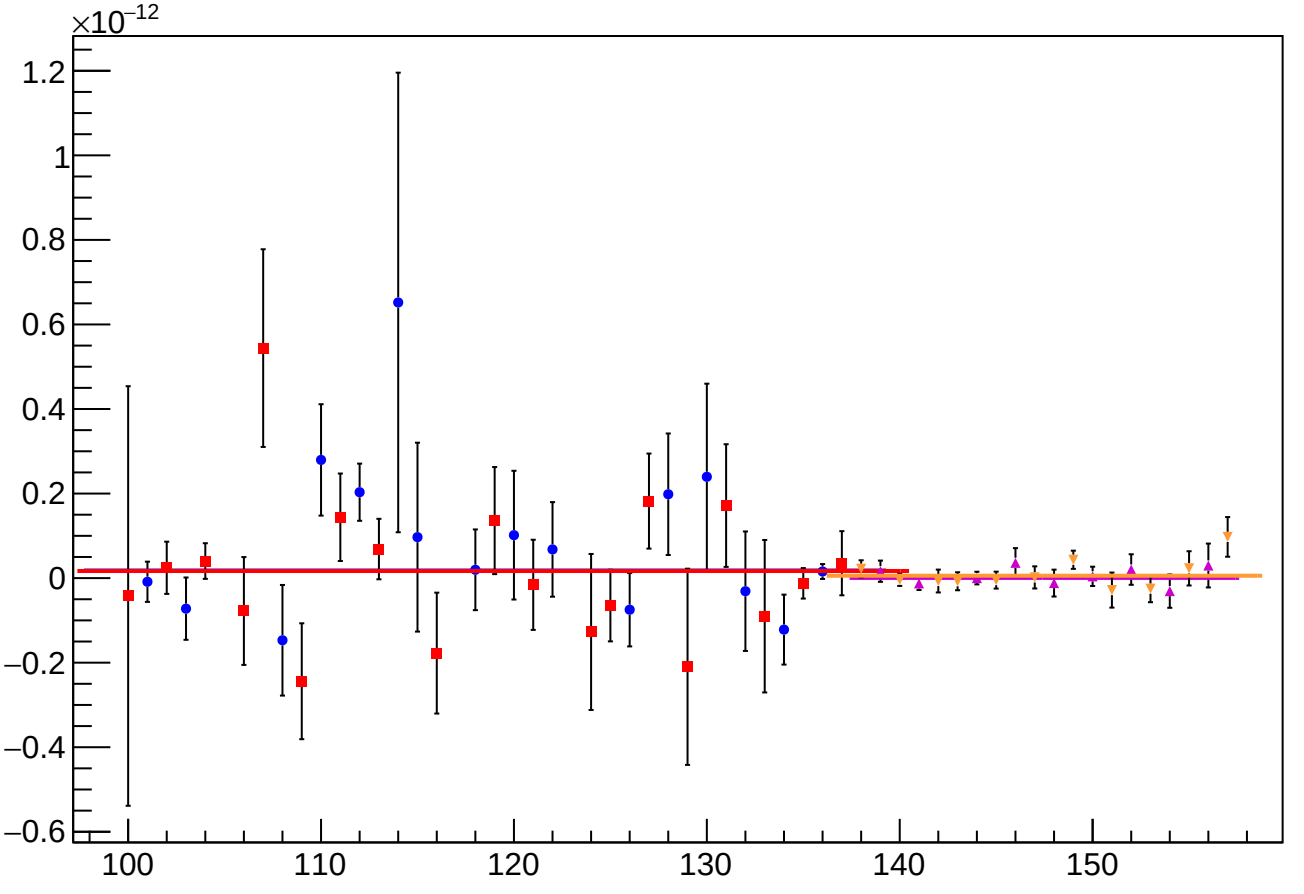
Left In: 1471.341+/-0.372 χ^2/NDF:17390.2/8

+ sign 1553.314+/-0.279 χ^2/NDF: 954138.0/26

All: 1561.805+/-0.200 χ^2/NDF: 1385484.8/54

- sign 1570.796+/-0.288 χ^2/NDF: 429446.5/27

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/10

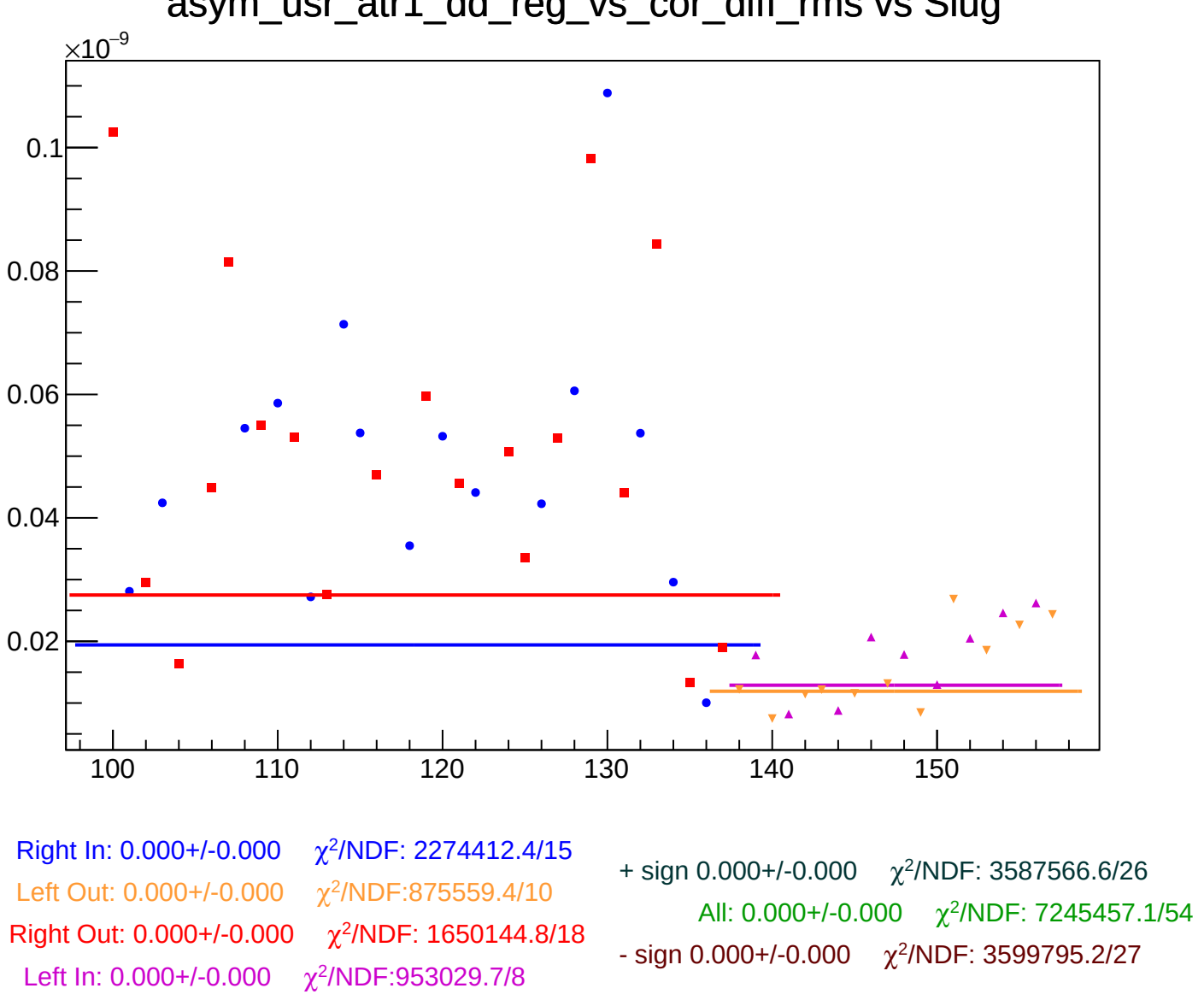
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/8

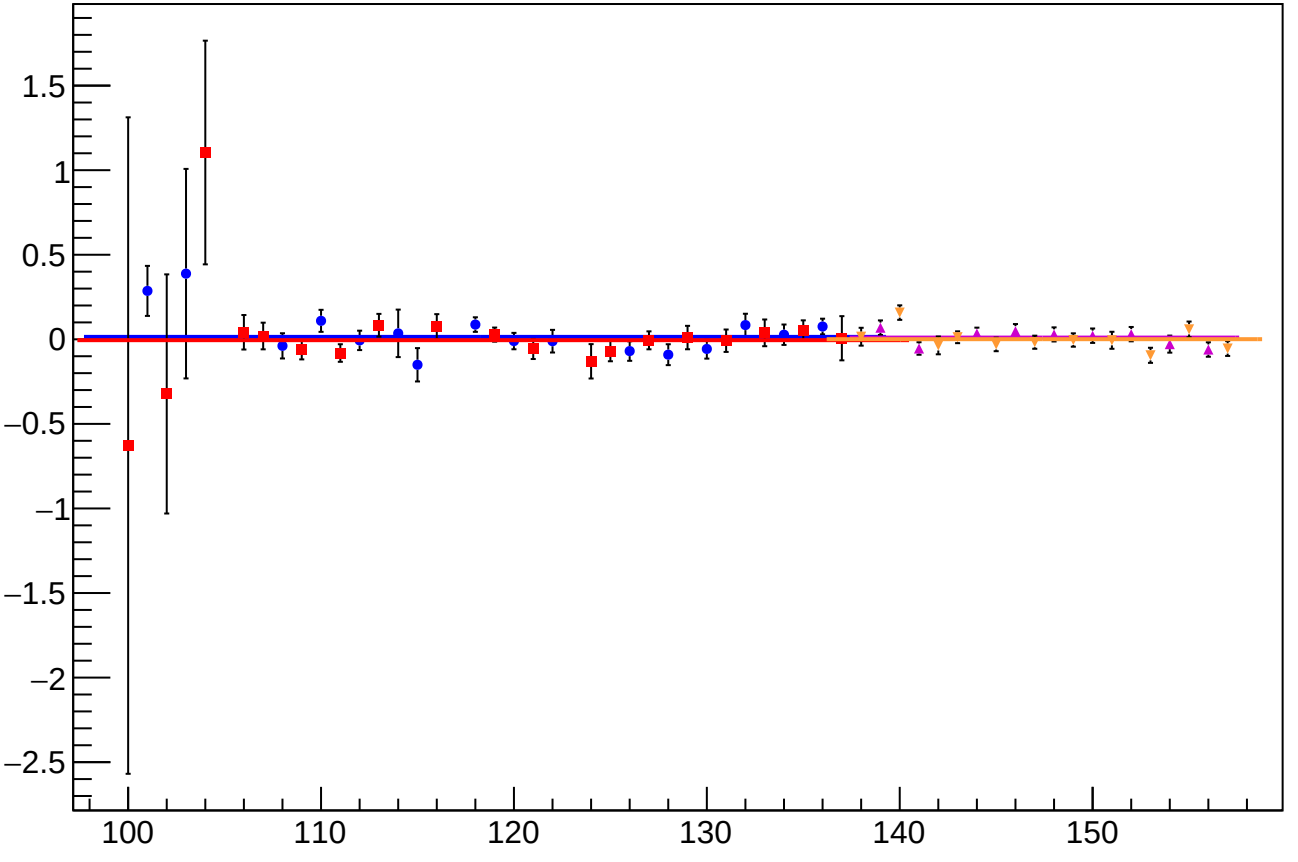
+ sign 0.000+/-0.000 χ^2/NDF: 34.8/26

All: 0.000+/-0.000 χ^2/NDF: 60.7/54

- sign 0.000+/-0.000 χ^2/NDF: 25.5/27


asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2274412.4/15
Left Out: 0.000+/-0.000 χ²/NDF:875559.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 1650144.8/18
Left In: 0.000+/-0.000 χ²/NDF:953029.7/8
+ sign 0.000+/-0.000 χ²/NDF: 3587566.6/26
All: 0.000+/-0.000 χ²/NDF: 7245457.1/54
- sign 0.000+/-0.000 χ²/NDF: 3599795.2/27

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

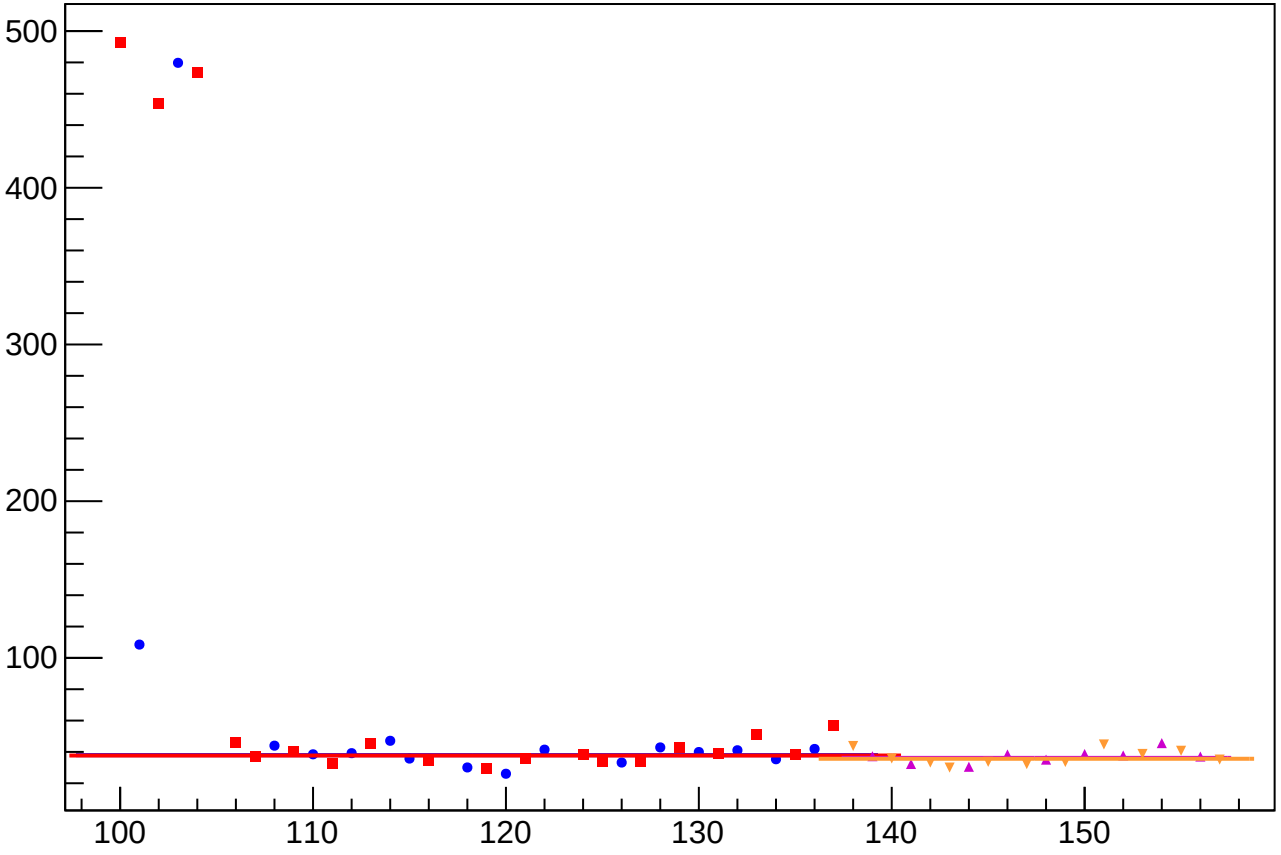
Left In: 0.010+/-0.014 χ^2/NDF:10.0/8

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/54

- sign 0.004+/-0.010 χ^2/NDF: 25.4/27

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

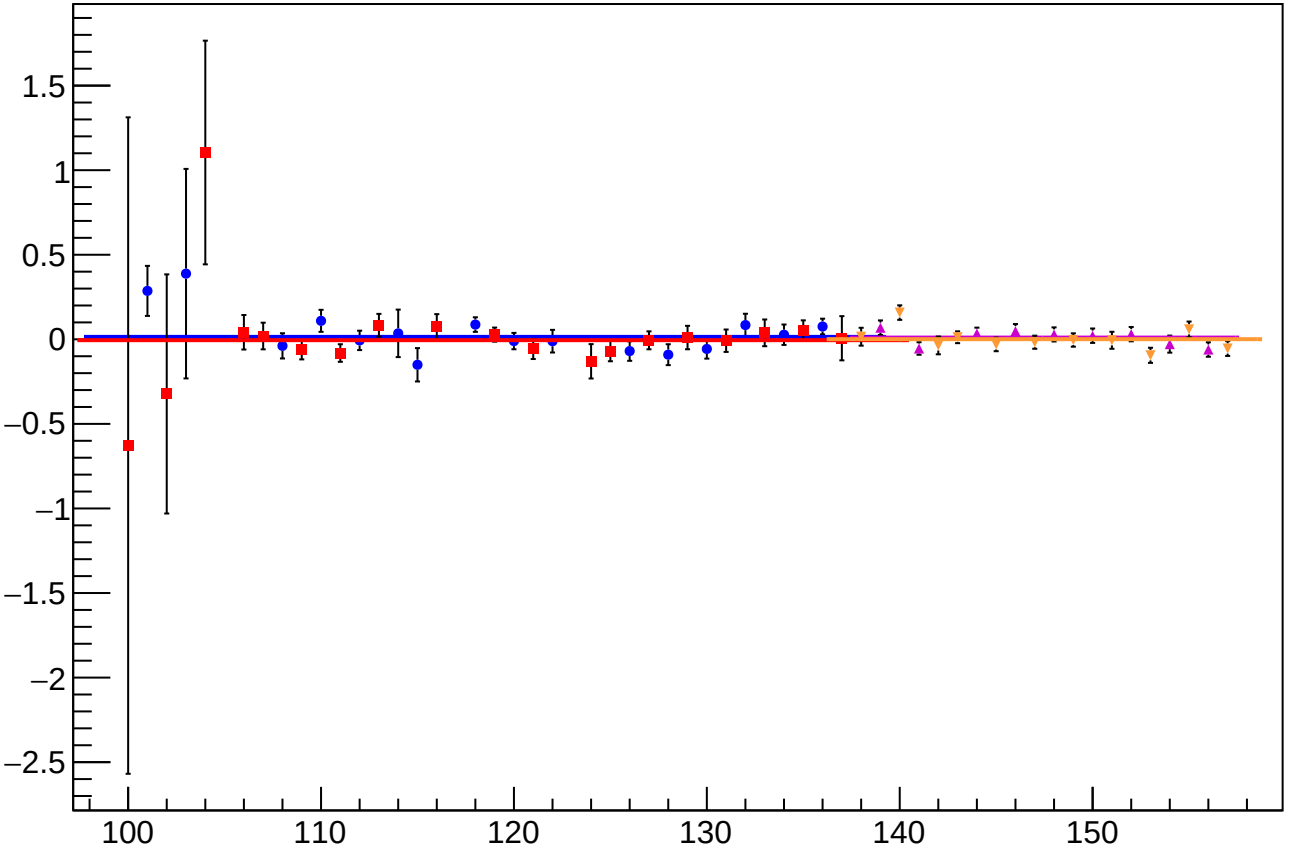
Left In: 36.190+/-0.010 χ^2/NDF:163923.7/8

+ sign 36.554+/-0.007 χ^2/NDF: 1994397.2/26

All: 36.686+/-0.005 χ^2/NDF: 4114068.6/54

- sign 36.828+/-0.007 χ^2/NDF: 2118959.7/27

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

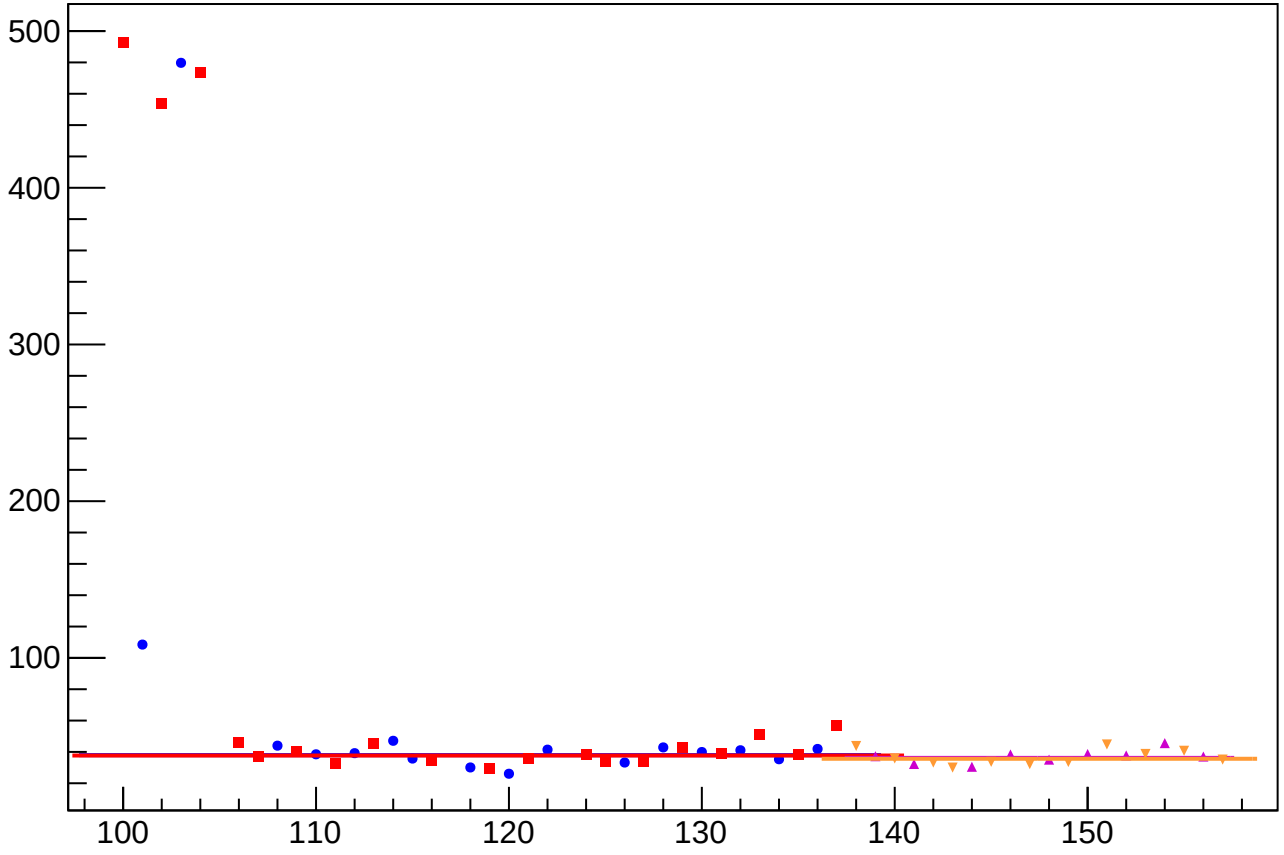
Left In: 0.010+/-0.014 χ^2/NDF:10.0/8

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/54

- sign 0.004+/-0.010 χ^2/NDF: 25.4/27

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.624+/-0.009 χ^2/NDF:229364.9/10

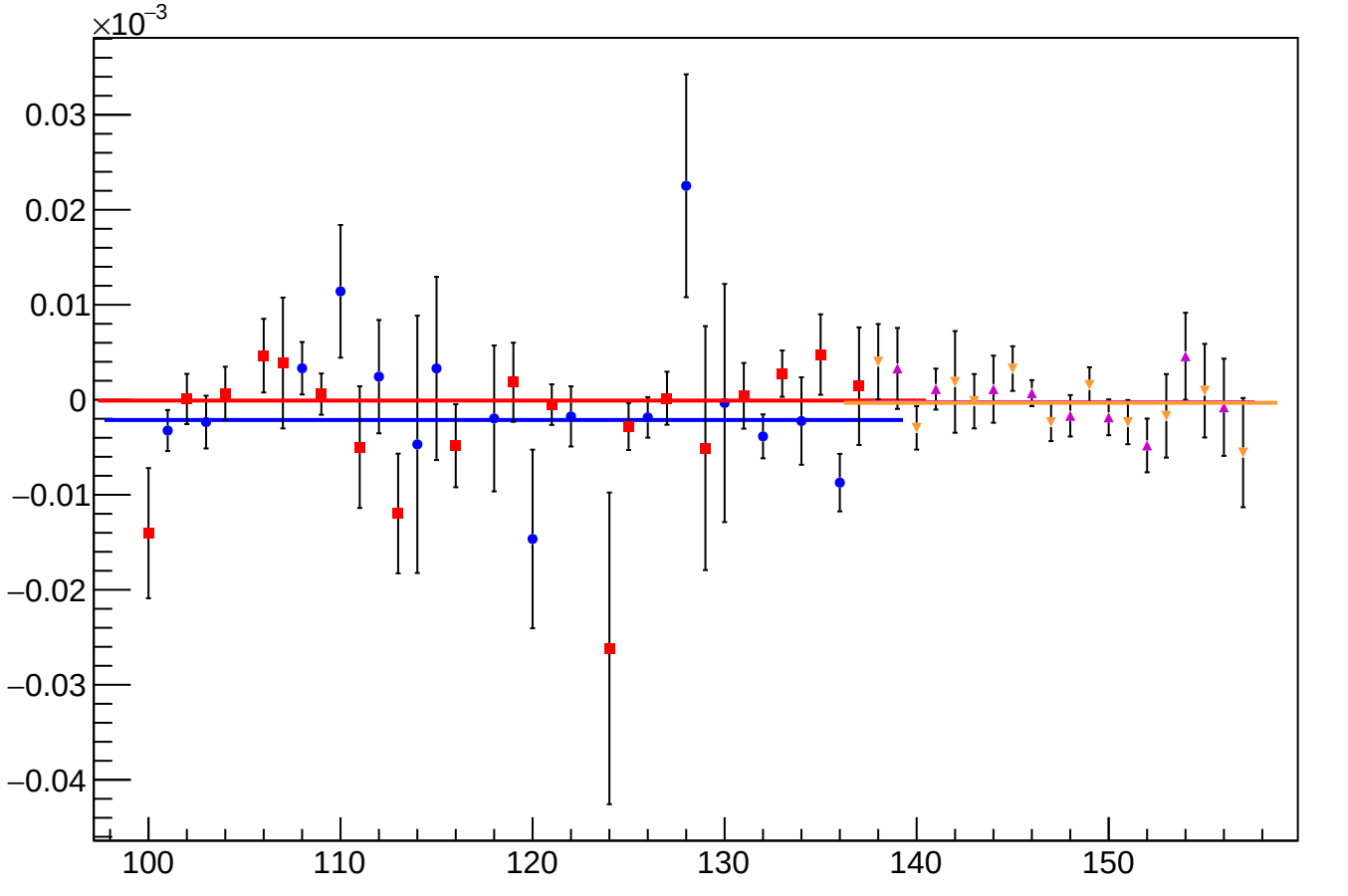
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.190+/-0.010 χ^2/NDF:163923.7/8

+ sign 36.554+/-0.007 χ^2/NDF: 1994397.2/26

All: 36.686+/-0.005 χ^2/NDF: 4114068.6/54

- sign 36.828+/-0.007 χ^2/NDF: 2118959.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/10

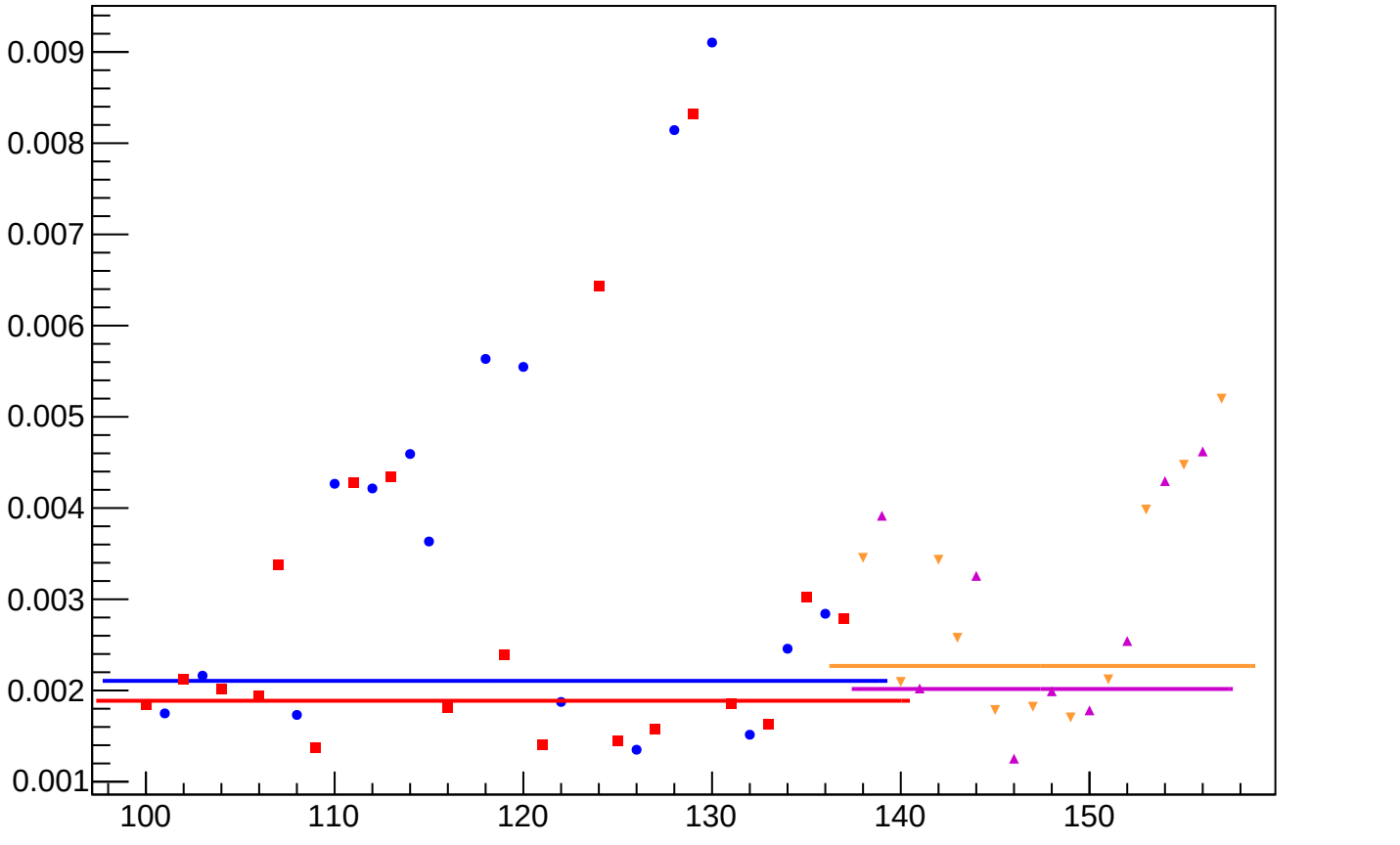
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

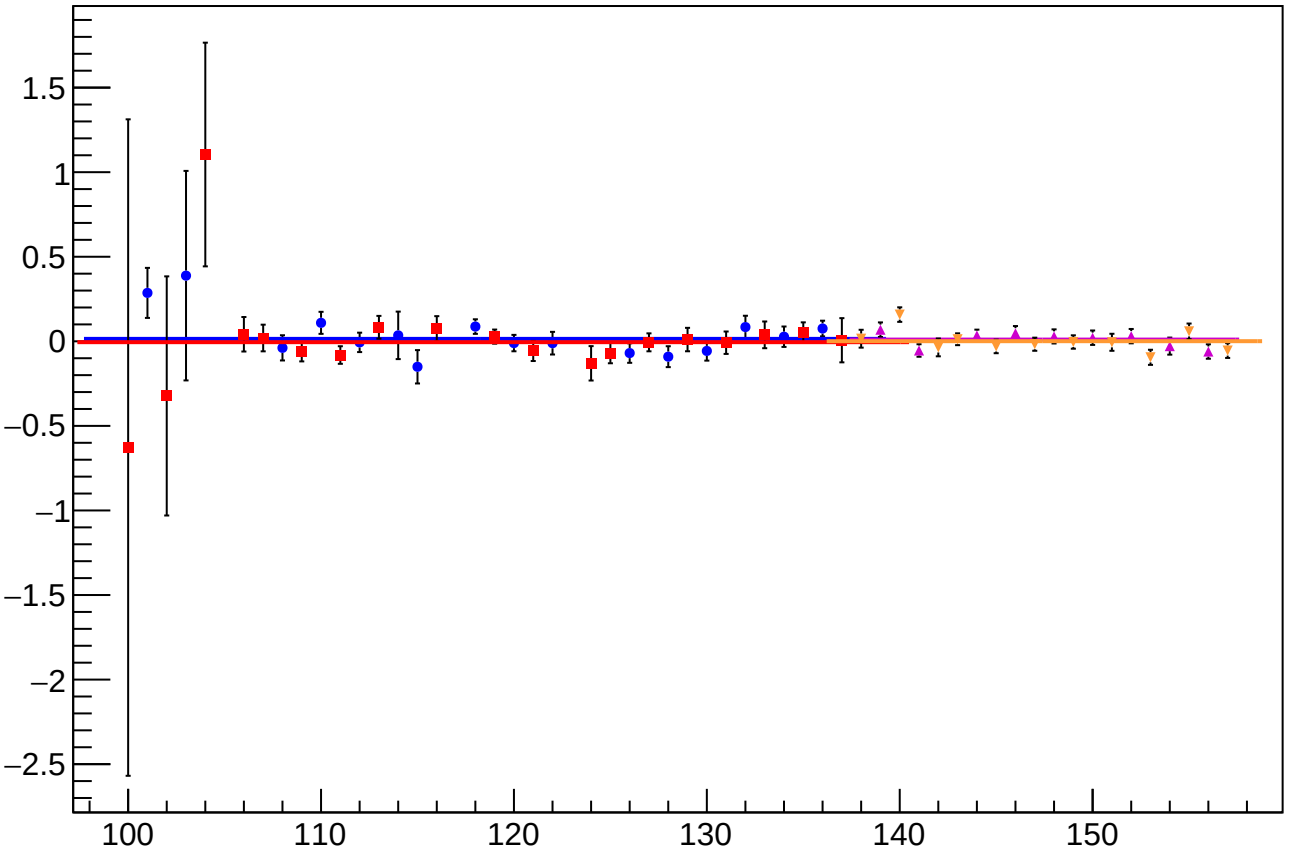
Left In: -0.000+/-0.000 χ^2/NDF:6.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/26

All: -0.000+/-0.000 χ^2/NDF: 57.9/54

- sign -0.000+/-0.000 χ^2/NDF: 25.0/27


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1908275.1/10
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:2380685.8/8
+ sign 0.002+/-0.000 χ²/NDF: 4961550.3/26
All: 0.002+/-0.000 χ²/NDF: 9430906.4/54
- sign 0.002+/-0.000 χ²/NDF: 4299370.2/27



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

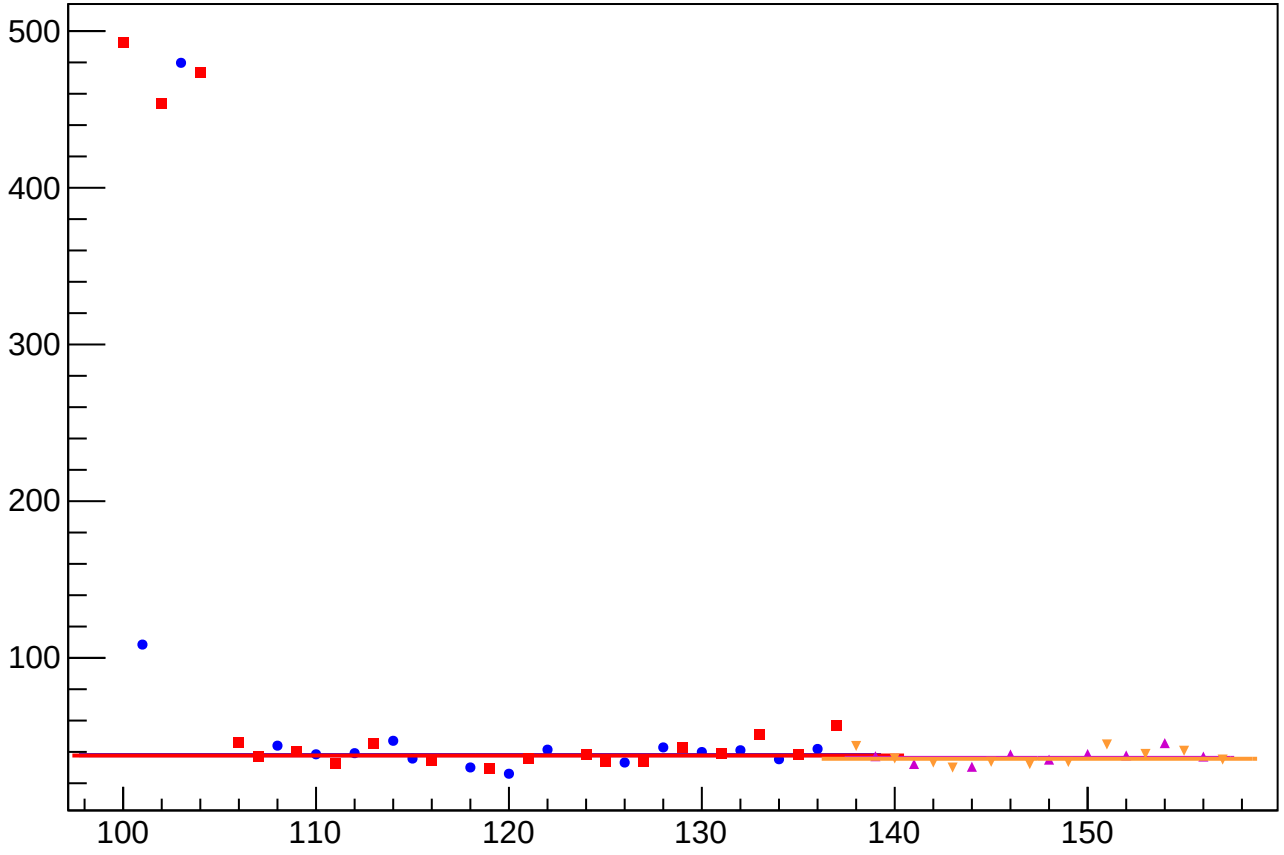
Left In: 0.010+/-0.014 χ^2/NDF:10.0/8

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/54

- sign 0.004+/-0.010 χ^2/NDF: 25.4/27

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.624+/-0.009 χ^2/NDF:229421.3/10

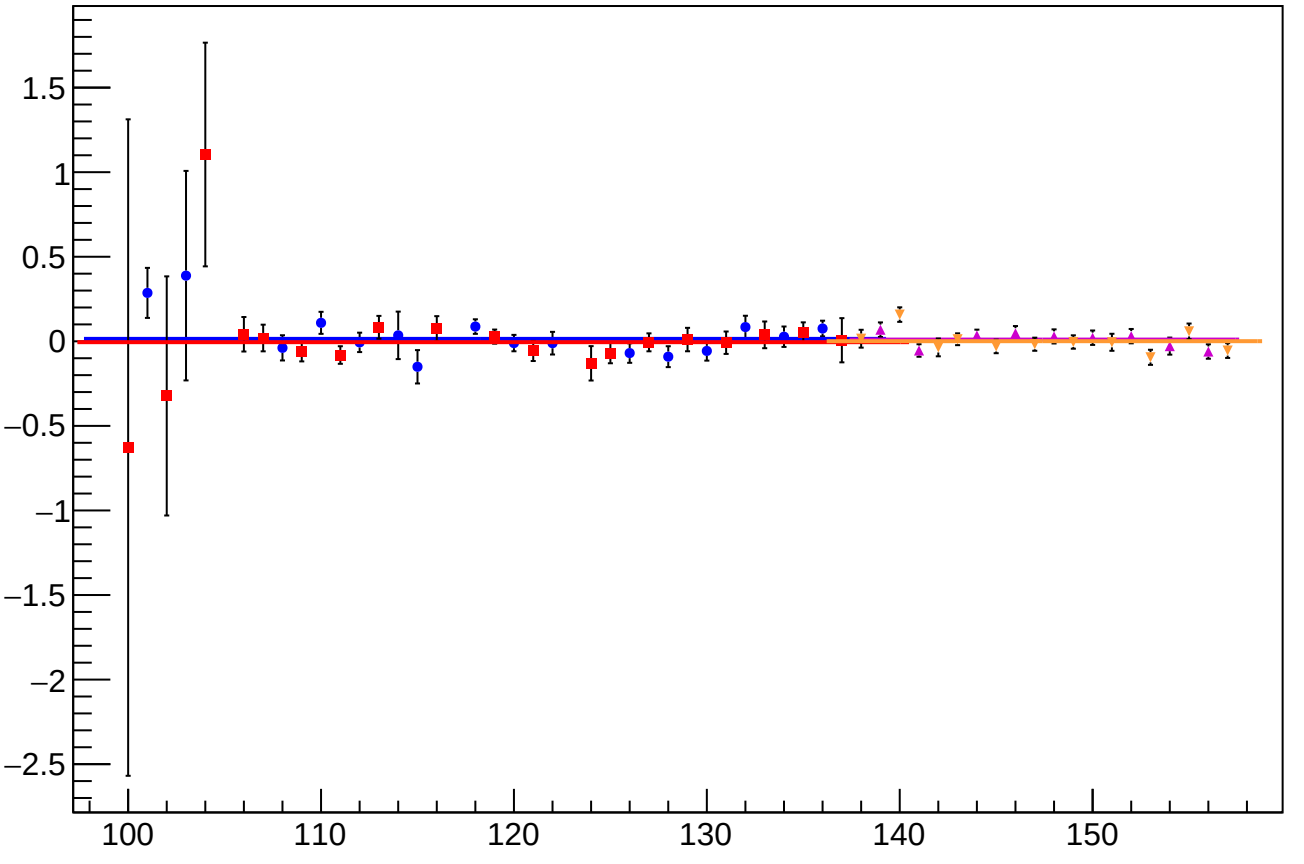
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.189+/-0.010 χ^2/NDF:163964.5/8

+ sign 36.553+/-0.007 χ^2/NDF: 1994454.8/26

All: 36.685+/-0.005 χ^2/NDF: 4114228.8/54

- sign 36.827+/-0.007 χ^2/NDF: 2119064.4/27



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.013 χ^2/NDF:22.6/10

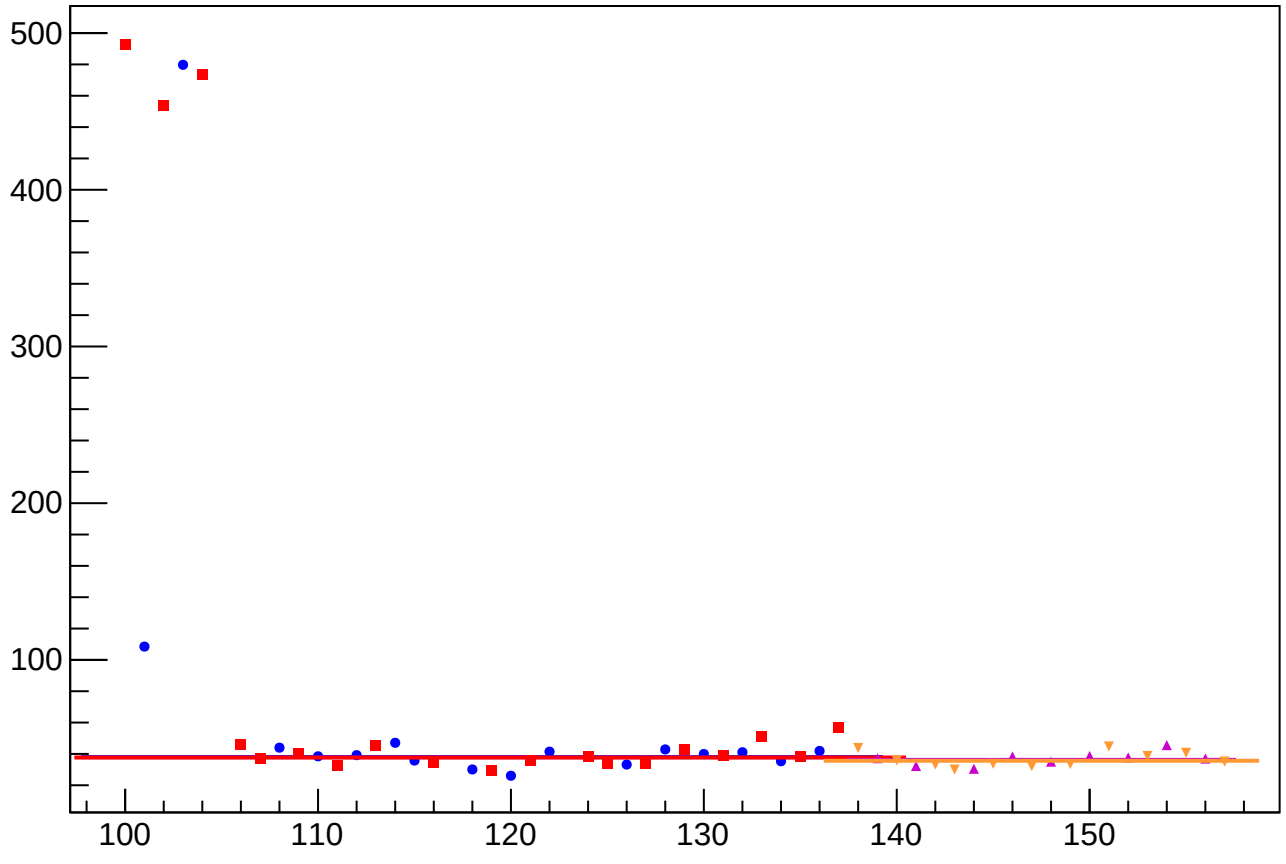
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.014 χ^2/NDF:10.0/8

+ sign 0.006+/-0.010 χ^2/NDF: 45.1/26

All: 0.005+/-0.007 χ^2/NDF: 70.5/54

- sign 0.004+/-0.010 χ^2/NDF: 25.4/27



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.624+/-0.009 χ^2/NDF:229421.3/10

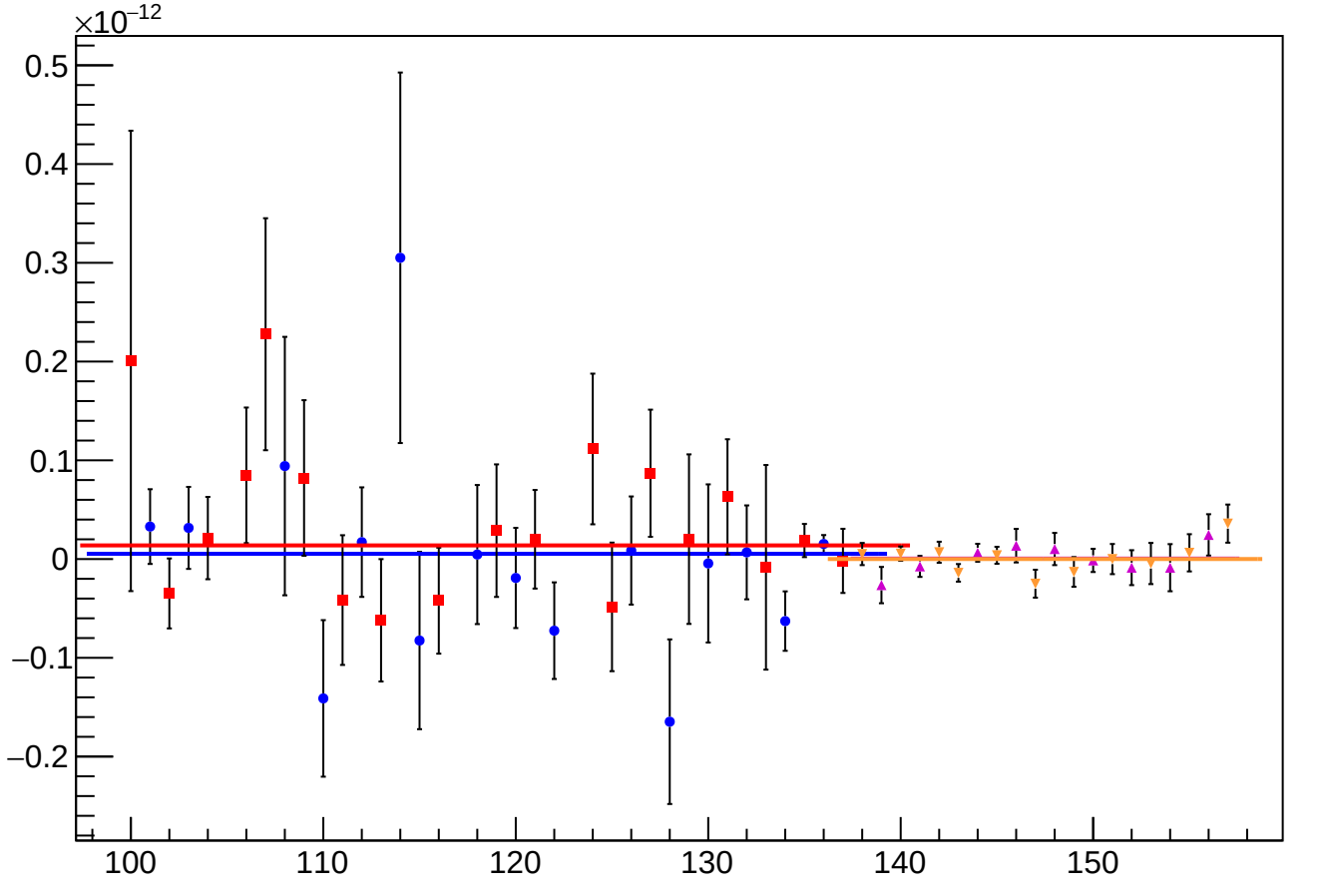
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.189+/-0.010 χ^2/NDF:163964.5/8

+ sign 36.553+/-0.007 χ^2/NDF: 1994454.8/26

All: 36.685+/-0.005 χ^2/NDF: 4114228.8/54

- sign 36.827+/-0.007 χ^2/NDF: 2119064.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/10

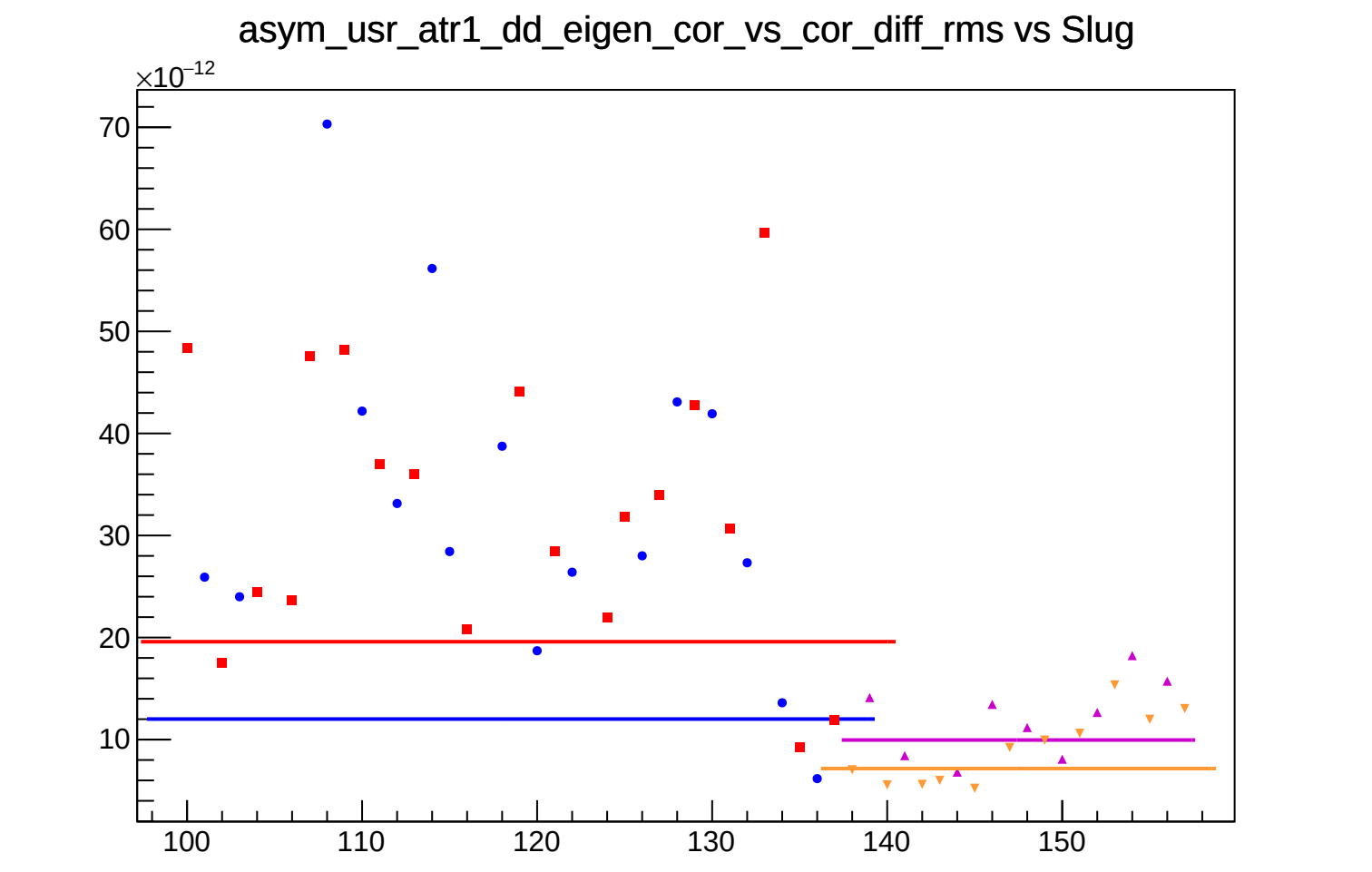
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/8

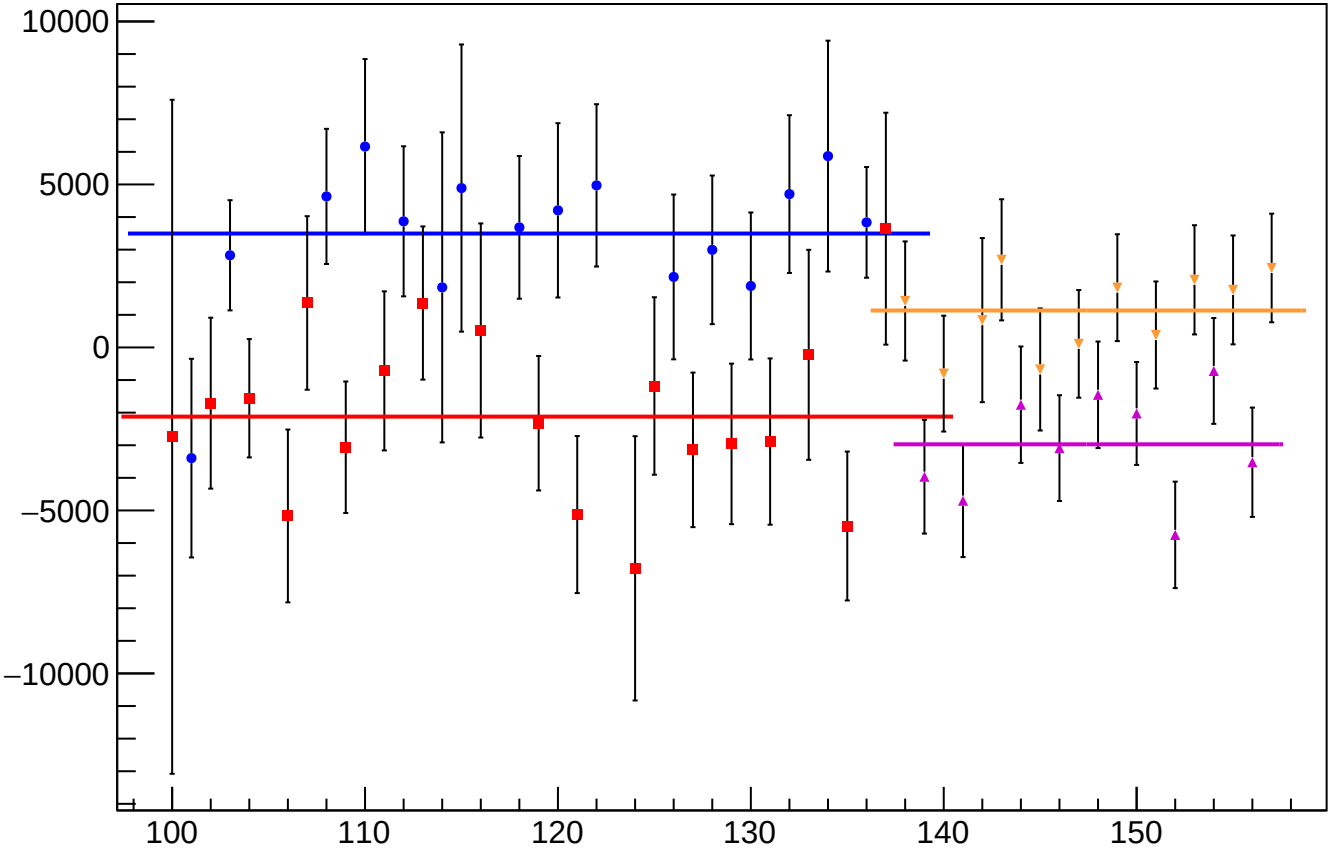
+ sign 0.000+/-0.000 χ^2/NDF: 33.4/26

All: 0.000+/-0.000 χ^2/NDF: 56.6/54

- sign 0.000+/-0.000 χ^2/NDF: 23.1/27


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1114604.3/10
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:970496.7/8
+ sign 0.000+/-0.000 χ²/NDF: 5664194.1/26
All: 0.000+/-0.000 χ²/NDF: 11531514.6/54
- sign 0.000+/-0.000 χ²/NDF: 4981671.1/27

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.892+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

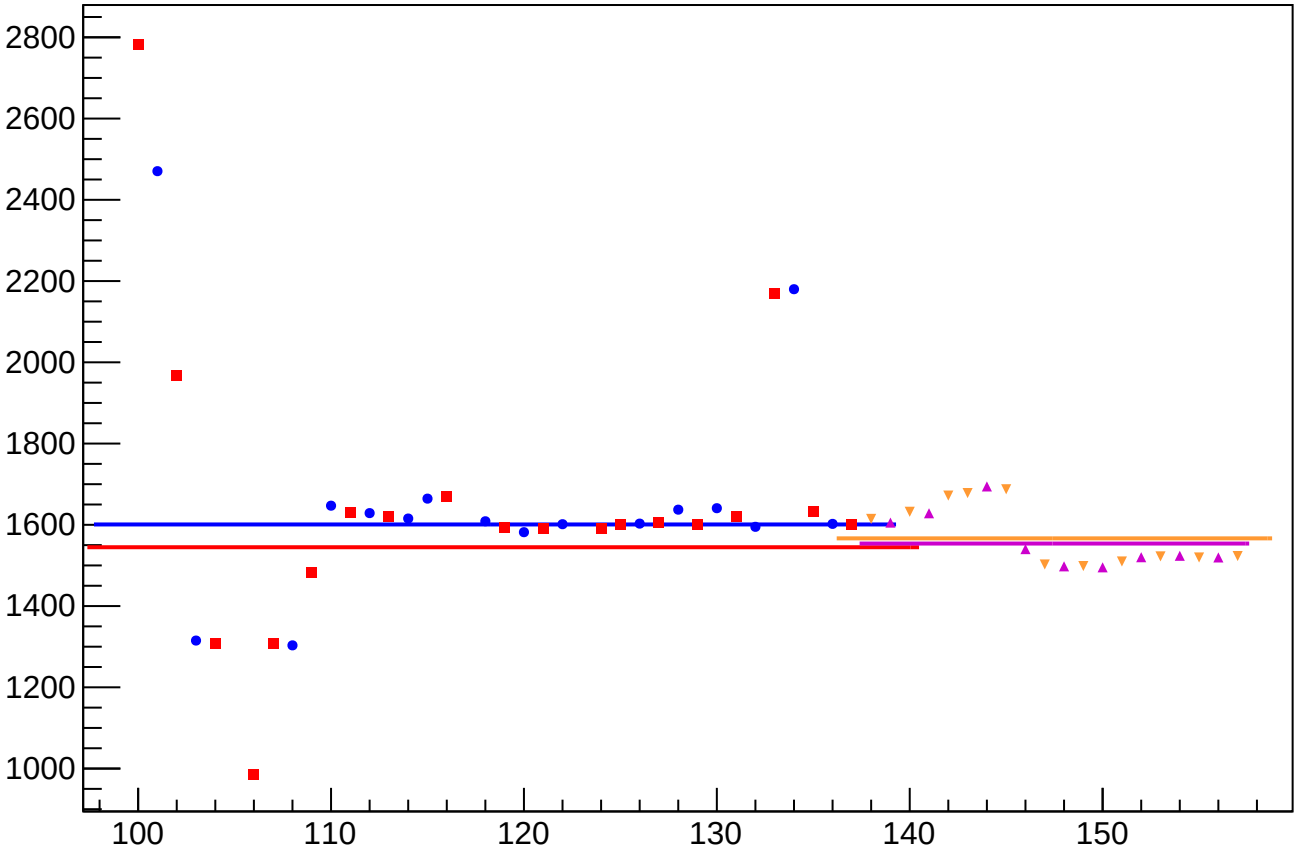
Left In: -2971.385+/-555.336 χ^2/NDF:7.9/8

\+ sign 2170.501+/-398.396 χ^2/NDF: 22.2/26

All: -169.182+/-283.534 χ^2/NDF: 116.2/54

\- sign -2570.529+/-403.611 χ^2/NDF: 24.1/27

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

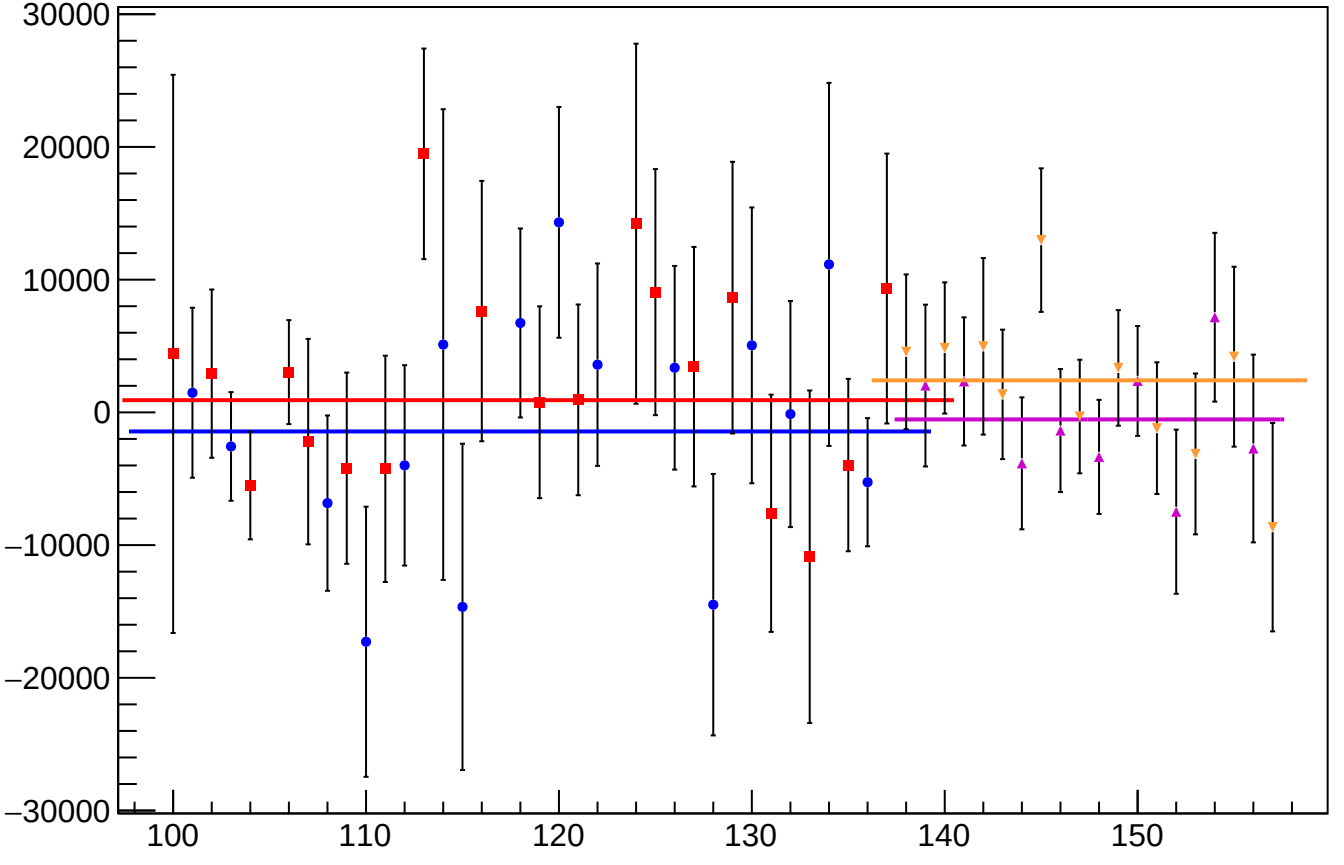
Left In: 1553.892+/-0.393 χ^2/NDF:25474.1/8

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.9/26

All: 1565.687+/-0.200 χ^2/NDF: 765755.7/54

- sign 1549.530+/-0.283 χ^2/NDF: 401858.4/27

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2414.717+/-1617.171 χ^2/NDF:8.3/10

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

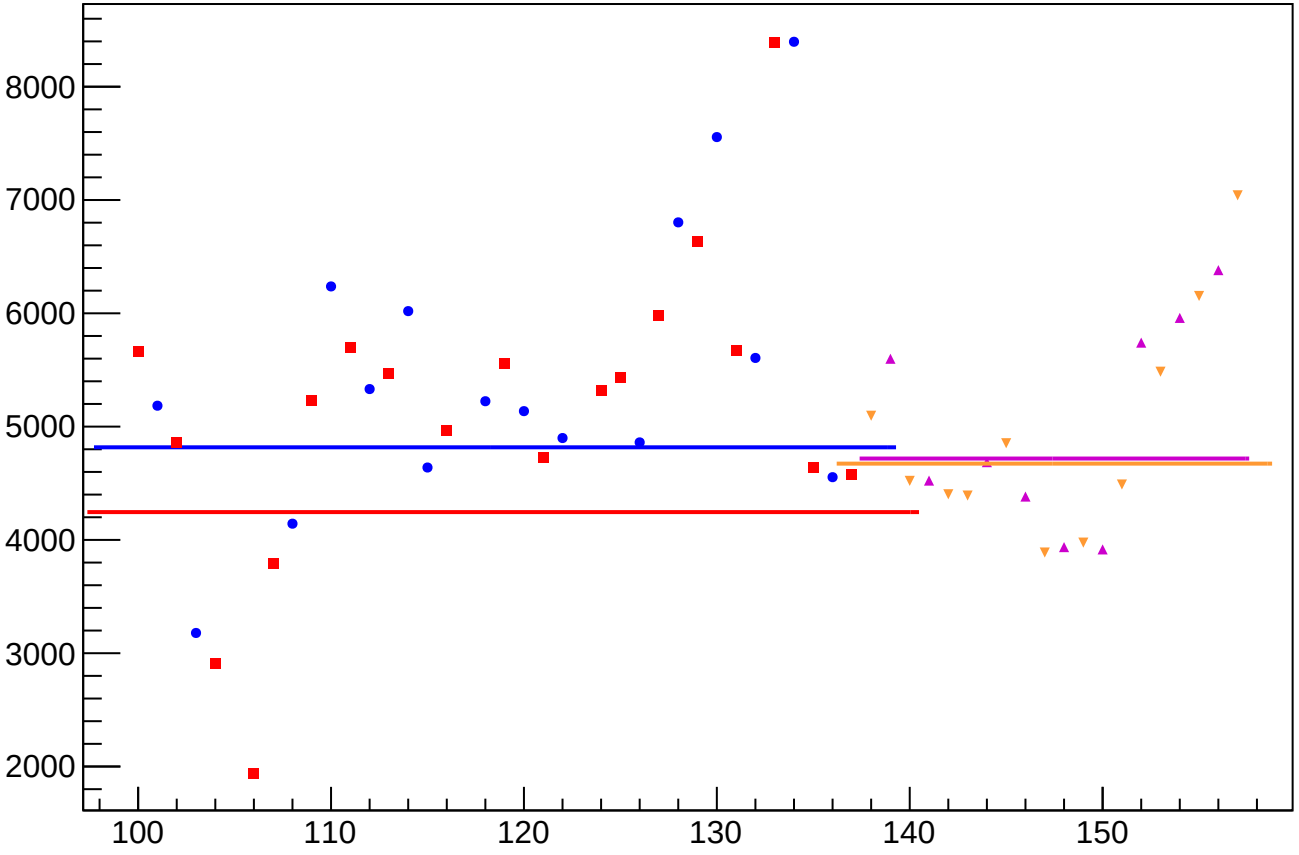
Left In: -531.357+/-1714.284 χ^2/NDF:4.8/8

+ sign 744.546+/-1217.071 χ^2/NDF: 24.6/26

All: 474.043+/-853.035 χ^2/NDF: 45.1/54

- sign 212.846+/-1195.952 χ^2/NDF: 20.5/27

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4673.303+/-1.144 χ^2/NDF:458979.1/10

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

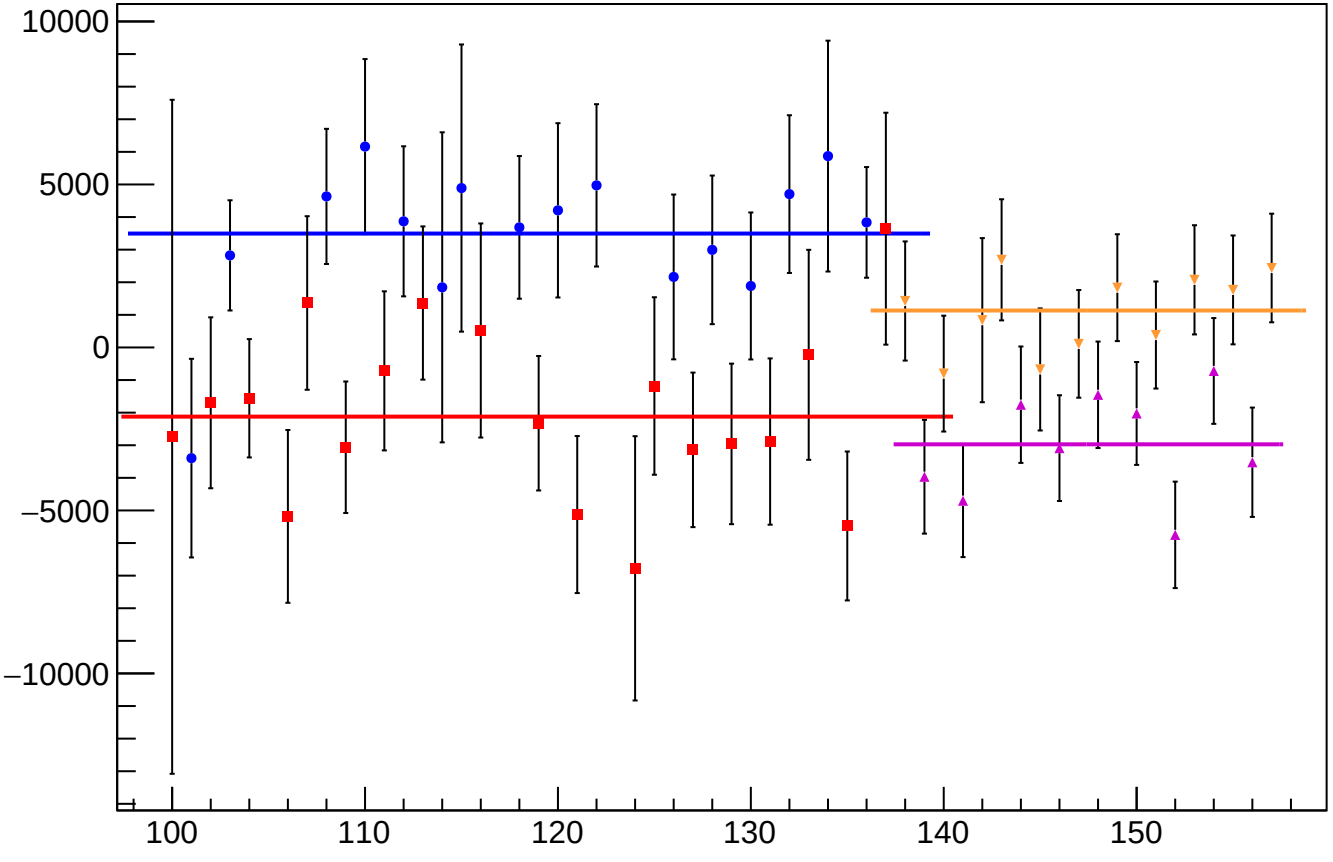
Left In: 4718.199+/-1.212 χ^2/NDF:438413.1/8

+ sign 4735.760+/-0.861 χ^2/NDF: 1261290.1/26

All: 4603.393+/-0.603 χ^2/NDF: 3507406.7/54

- sign 4475.580+/-0.846 χ^2/NDF: 2199616.8/27

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

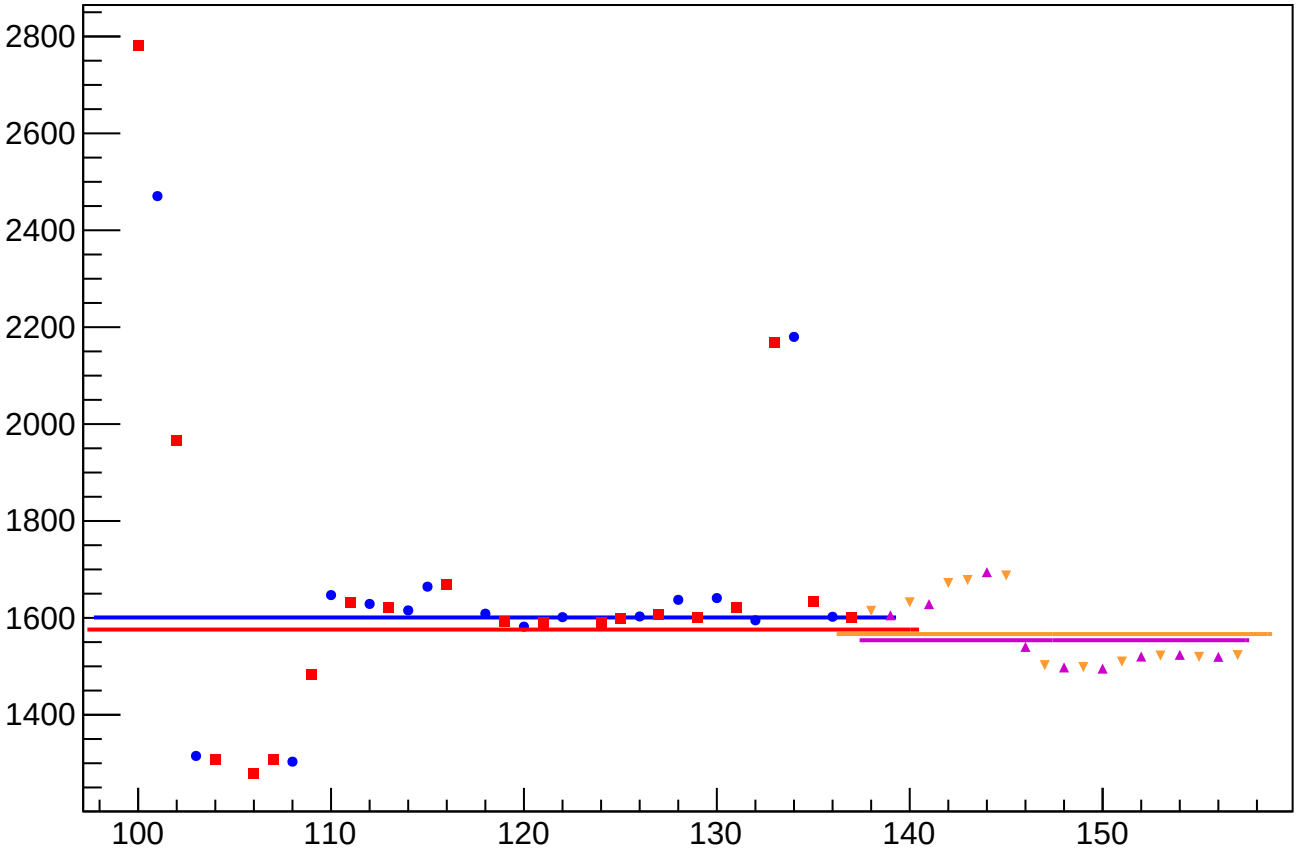
Left In: -2971.466+/-555.336 χ^2/NDF:7.9/8

+ sign 2170.276+/-398.396 χ^2/NDF: 22.2/26

All: -169.311+/-283.535 χ^2/NDF: 116.2/54

- sign -2570.570+/-403.612 χ^2/NDF: 24.1/27

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

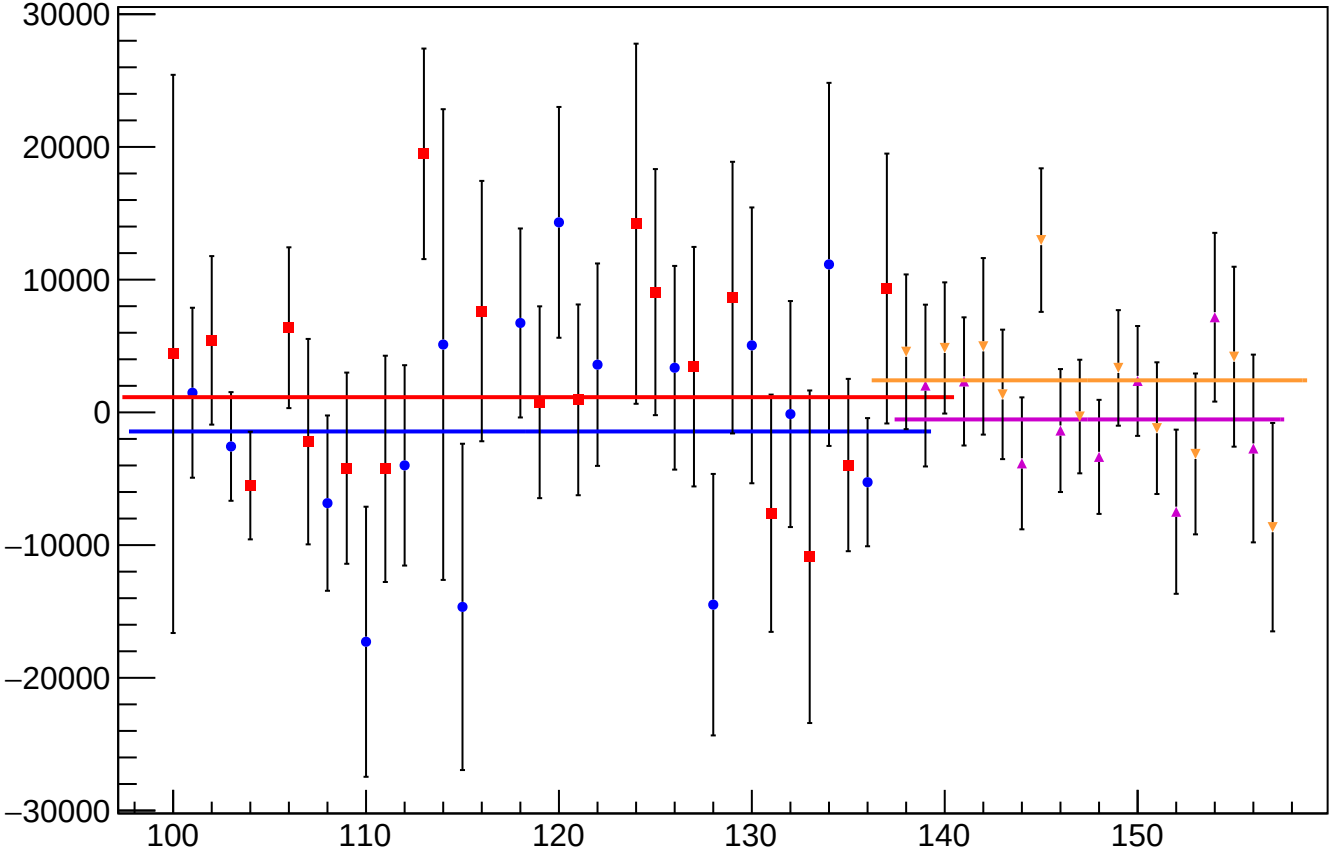
Left In: 1553.892+/-0.393 χ^2/NDF:25474.1/8

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.1/26

All: 1573.097+/-0.200 χ^2/NDF: 629588.9/54

- sign 1564.318+/-0.285 χ^2/NDF: 270294.2/27

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

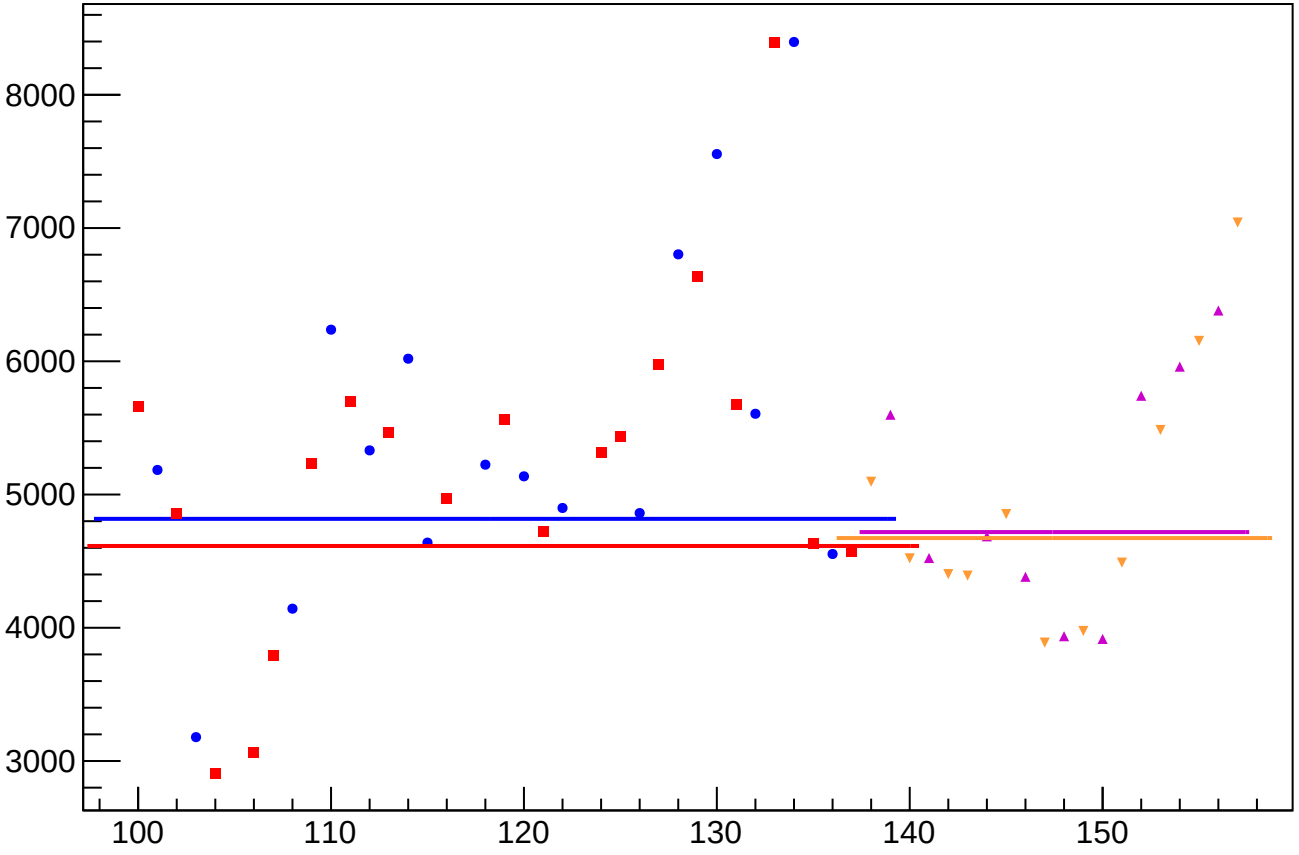
Left In: -531.512+/-1714.284 χ^2/NDF:4.8/8

\+ sign 744.460+/-1217.080 χ^2/NDF: 24.6/26

All: 515.989+/-865.085 χ^2/NDF: 46.1/54

\- sign 282.699+/-1229.850 χ^2/NDF: 21.5/27

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

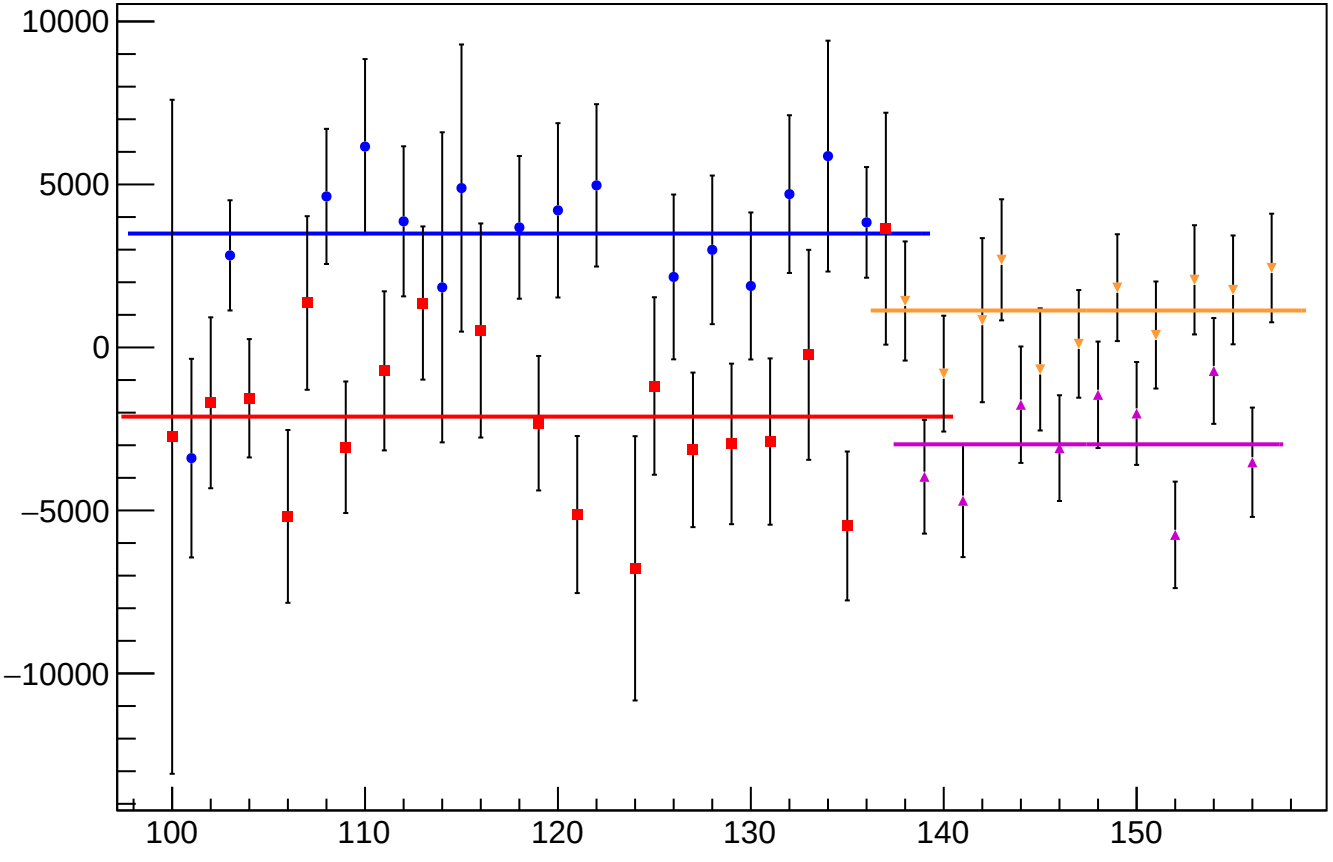
Left In: 4718.198+/-1.212 χ^2/NDF:438413.6/8

+ sign 4735.811+/-0.861 χ^2/NDF: 1261113.2/26

All: 4702.040+/-0.612 χ^2/NDF: 2684193.5/54

- sign 4667.556+/-0.870 χ^2/NDF: 1419968.1/27

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1133.753+/-531.975 χ^2/NDF:4.7/10

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

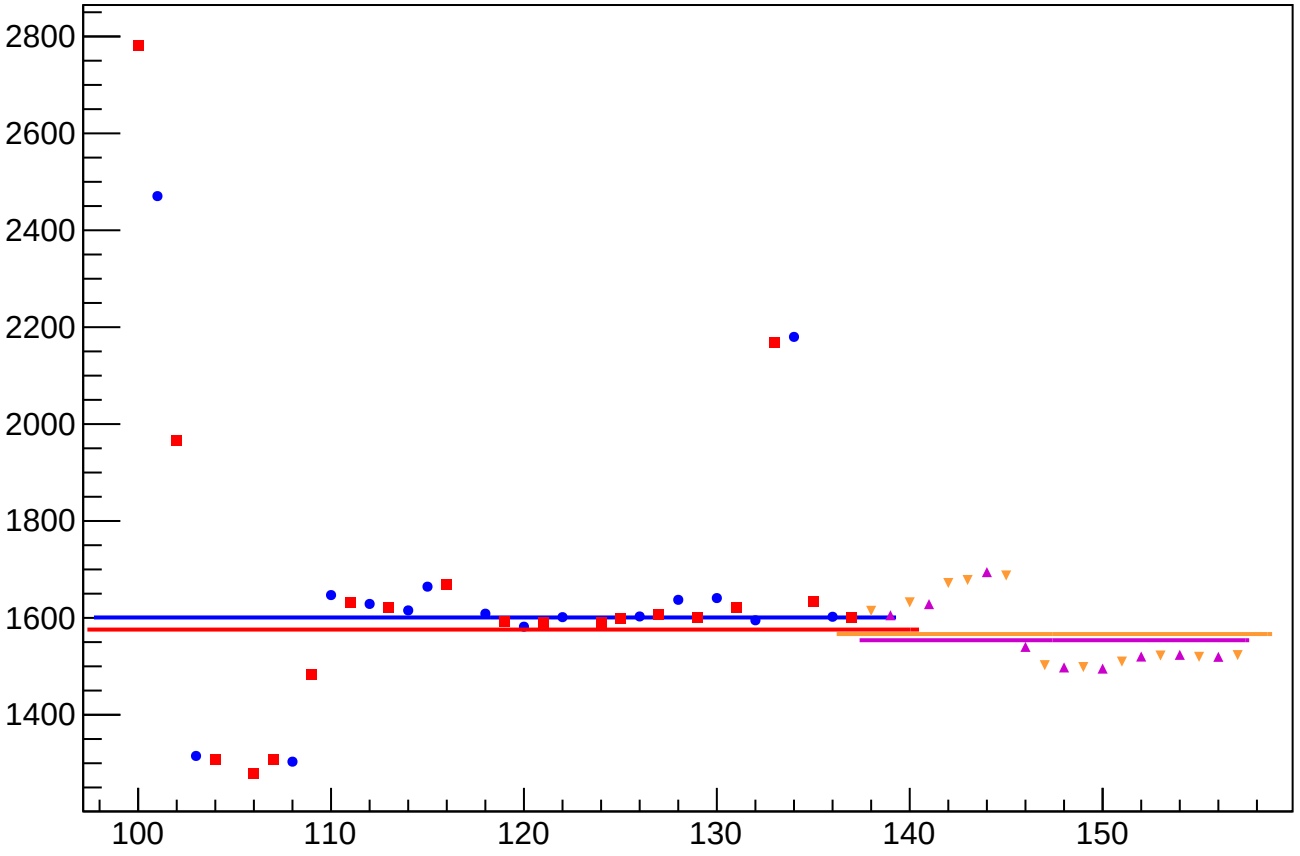
Left In: -2971.466+/-555.336 χ^2/NDF:7.9/8

+ sign 2170.276+/-398.396 χ^2/NDF: 22.2/26

All: -169.311+/-283.535 χ^2/NDF: 116.2/54

- sign -2570.570+/-403.612 χ^2/NDF: 24.1/27

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1566.650+/-0.376 χ^2/NDF:36366.7/10

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

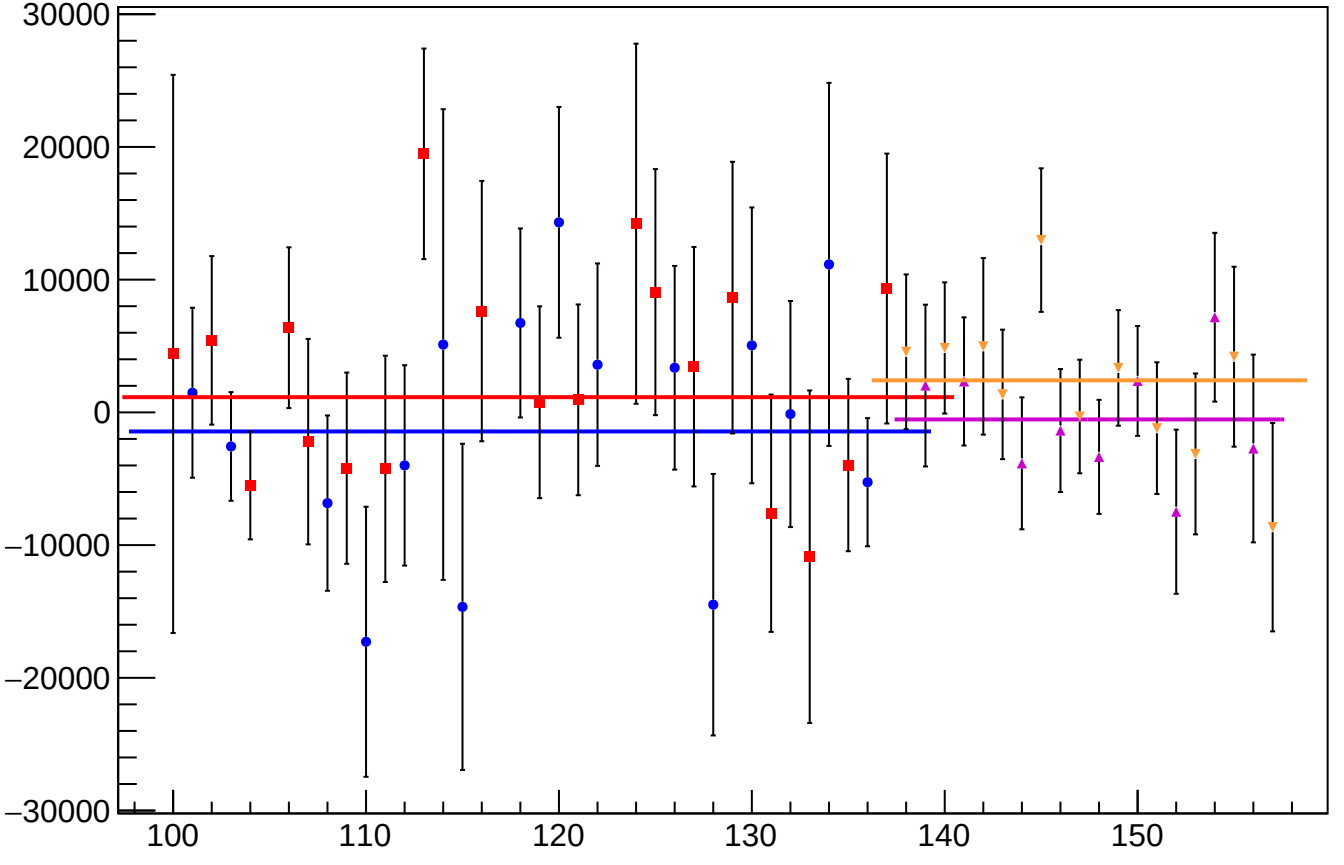
Left In: 1553.892+/-0.393 χ^2/NDF:25474.1/8

+ sign 1581.682+/-0.282 χ^2/NDF: 357416.1/26

All: 1573.097+/-0.200 χ^2/NDF: 629588.9/54

- sign 1564.318+/-0.285 χ^2/NDF: 270294.2/27

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2414.676+/-1617.167 χ^2/NDF:8.3/10

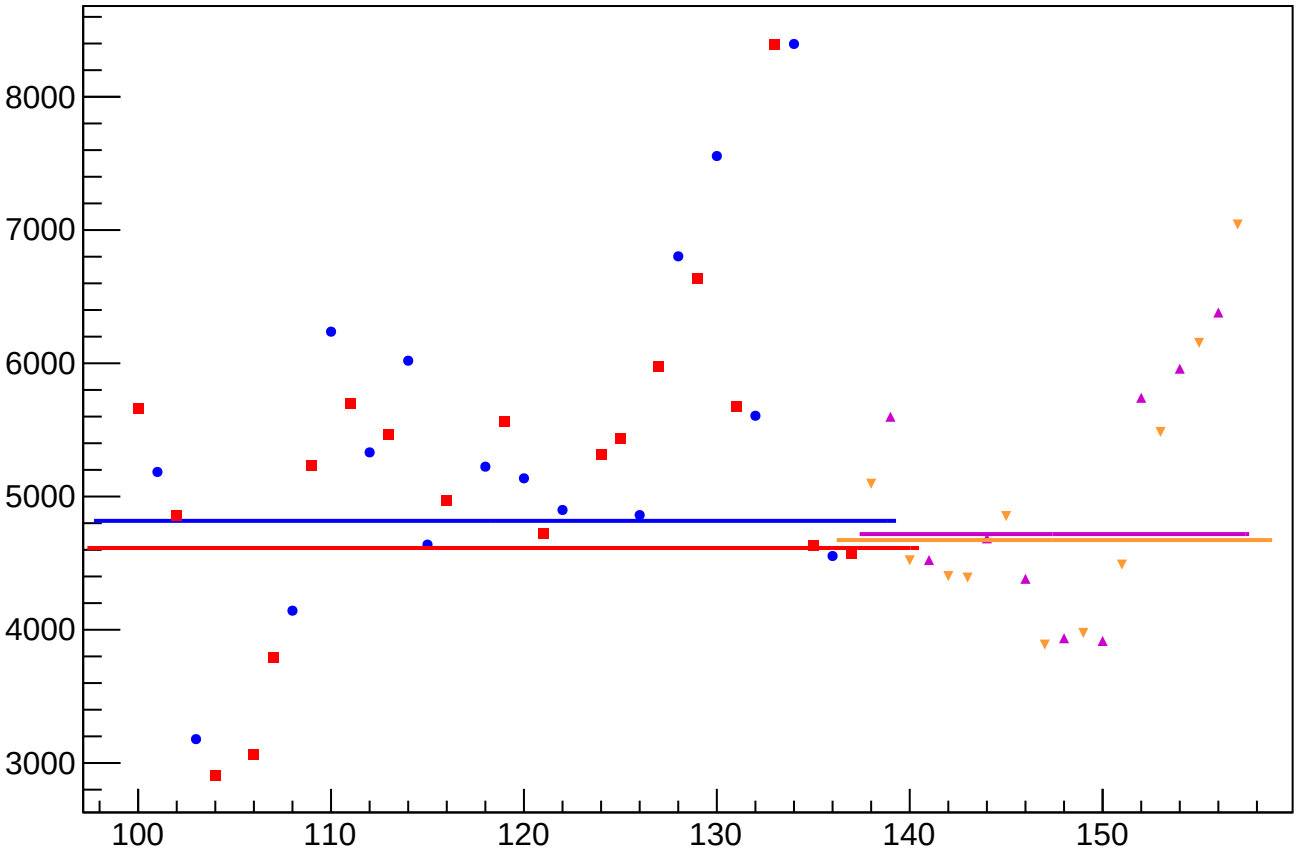
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -531.512+/-1714.284 χ^2/NDF:4.8/8

\+ sign 744.460+/-1217.080 χ^2/NDF: 24.6/26

All: 515.989+/-865.085 χ^2/NDF: 46.1/54

\- sign 282.699+/-1229.850 χ^2/NDF: 21.5/27



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4673.292+/-1.144 χ^2/NDF:458986.1/10

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

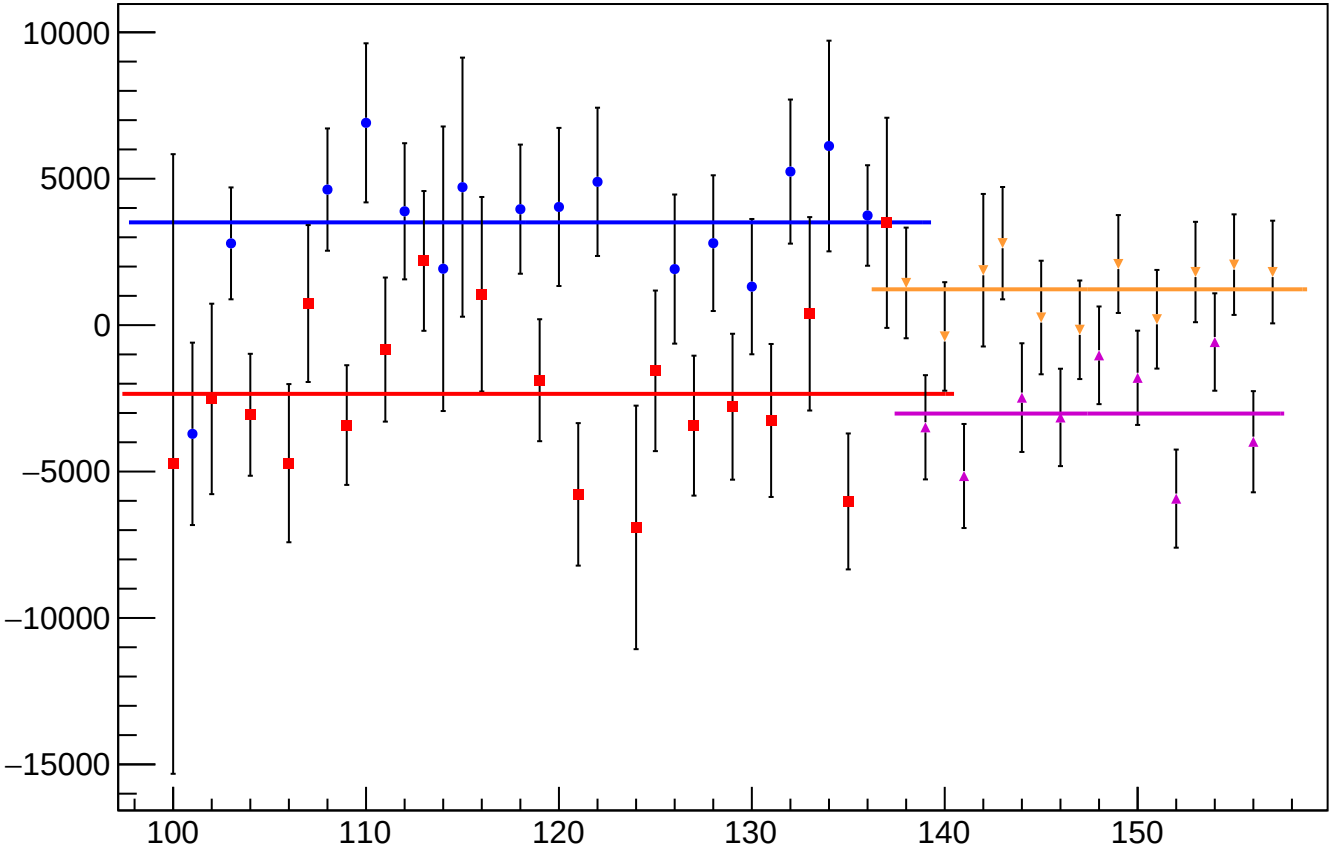
Left In: 4718.198+/-1.212 χ^2/NDF:438413.6/8

+ sign 4735.811+/-0.861 χ^2/NDF: 1261113.2/26

All: 4702.040+/-0.612 χ^2/NDF: 2684193.5/54

- sign 4667.556+/-0.870 χ^2/NDF: 1419968.1/27

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.384+/-548.438 χ^2/NDF:3.5/10

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

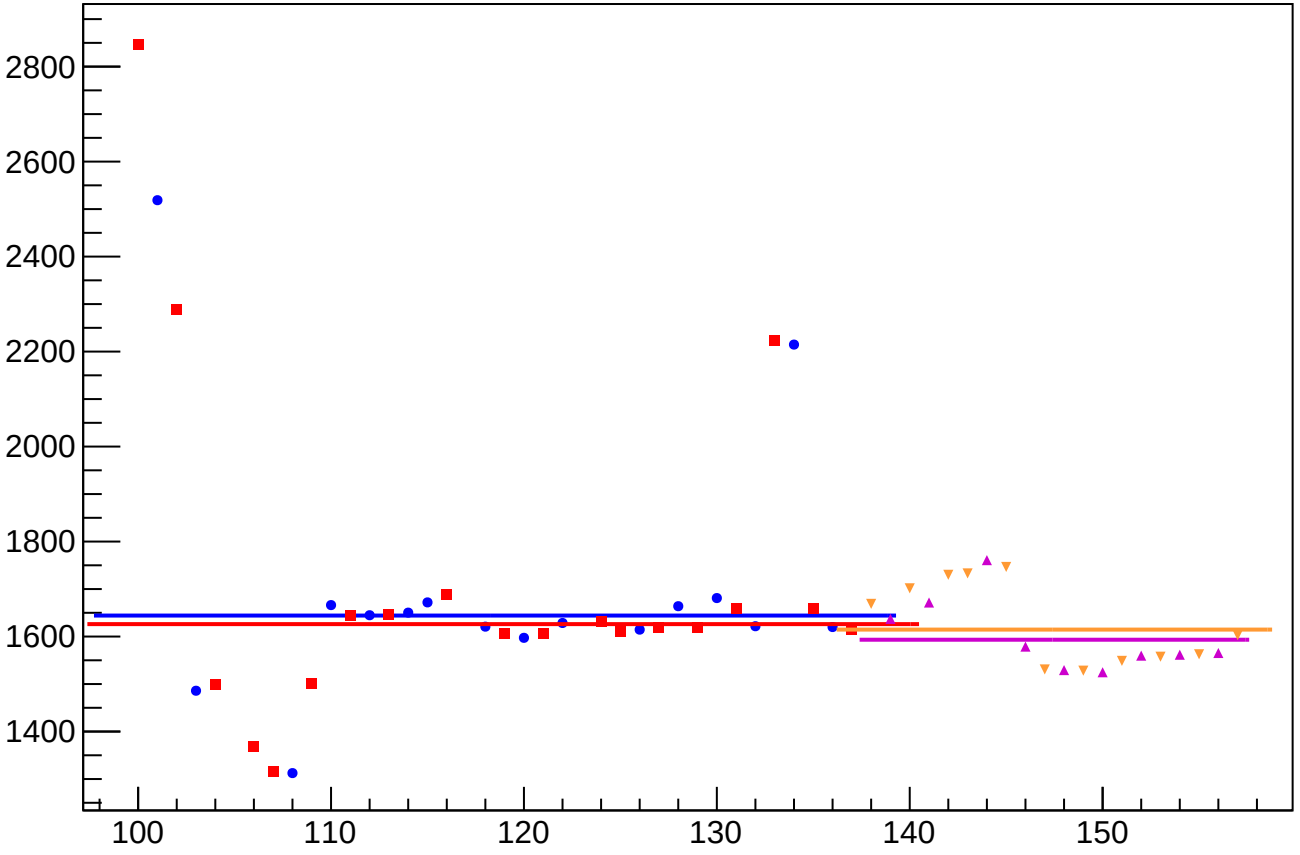
Left In: -3019.528+/-569.530 χ^2/NDF:9.1/8

+ sign 2232.922+/-409.829 χ^2/NDF: 21.6/26

All: -202.081+/-291.775 χ^2/NDF: 120.0/54

- sign -2704.872+/-415.494 χ^2/NDF: 26.8/27

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1614.661+/-0.388 χ^2/NDF:44347.8/10

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

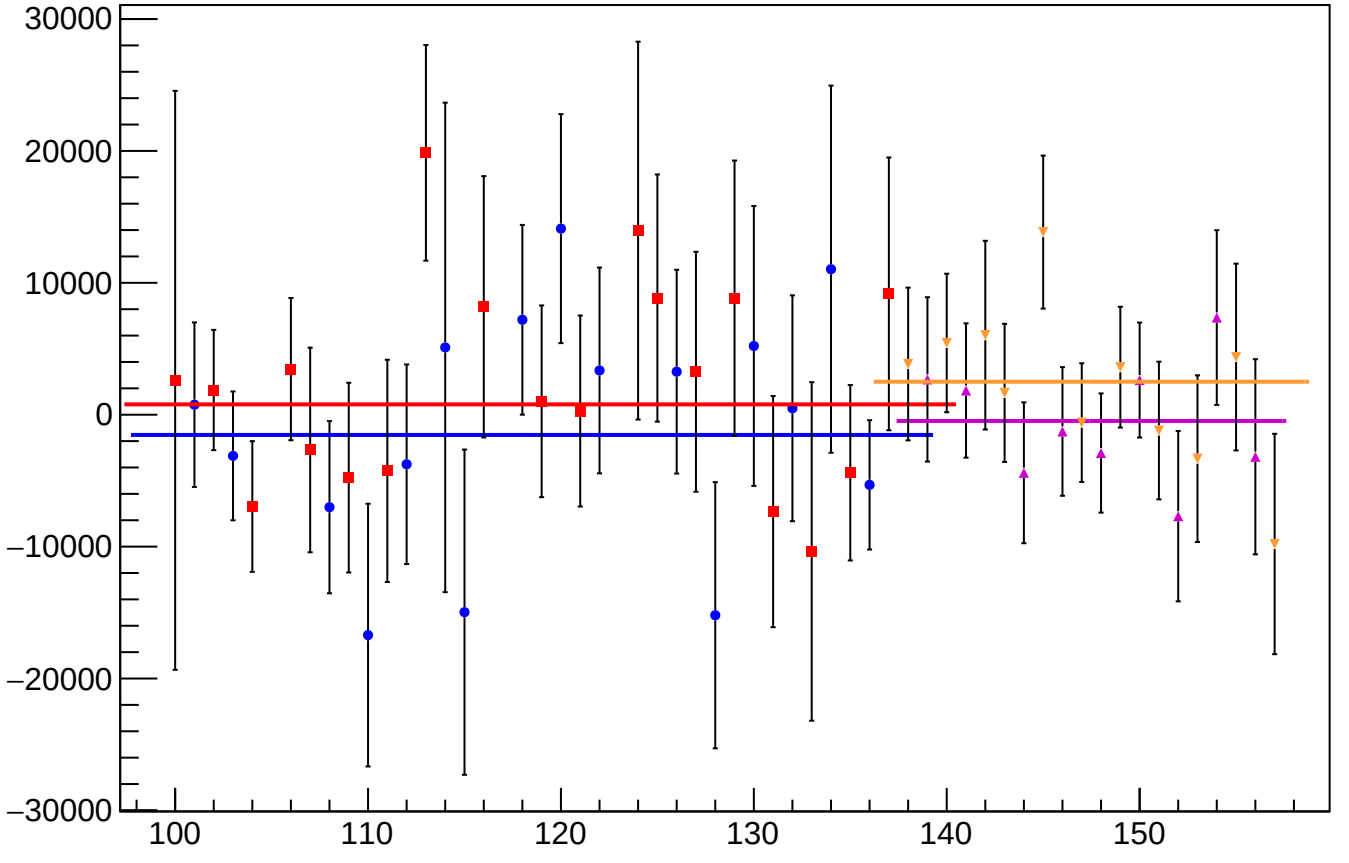
Left In: 1593.308+/-0.403 χ^2/NDF:30167.6/8

+ sign 1627.704+/-0.290 χ^2/NDF: 321727.5/26

All: 1618.327+/-0.206 χ^2/NDF: 594775.1/54

- sign 1608.697+/-0.294 χ^2/NDF: 270925.1/27

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 2503.907+/-1702.689 χ^2/NDF:8.6/10

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

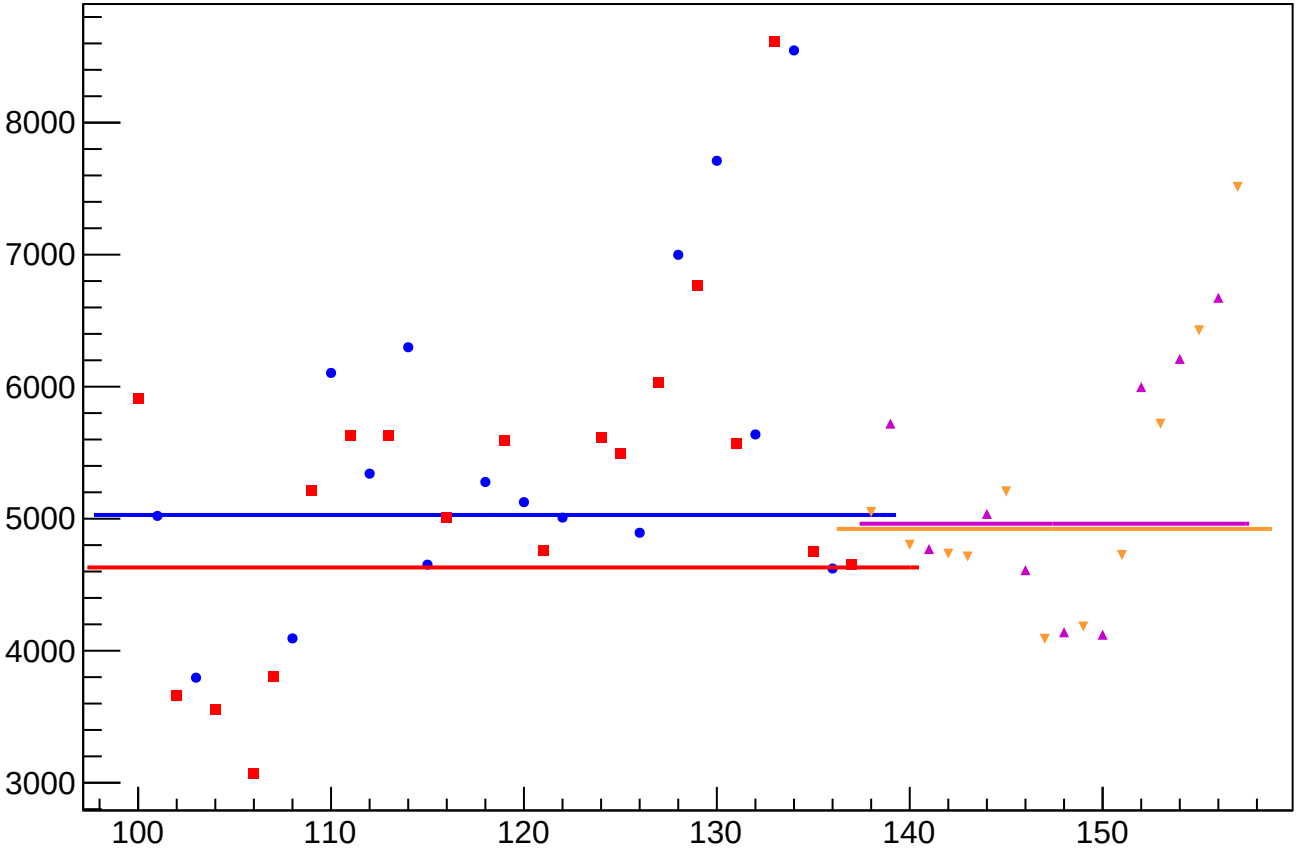
Left In: -474.453+/-1801.438 χ^2/NDF:4.6/8

+ sign 720.697+/-1272.099 χ^2/NDF: 24.9/26

All: 443.398+/-893.294 χ^2/NDF: 44.9/54

- sign 173.633+/-1254.698 χ^2/NDF: 19.9/27

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4922.905+/-1.204 χ^2/NDF:449225.3/10

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

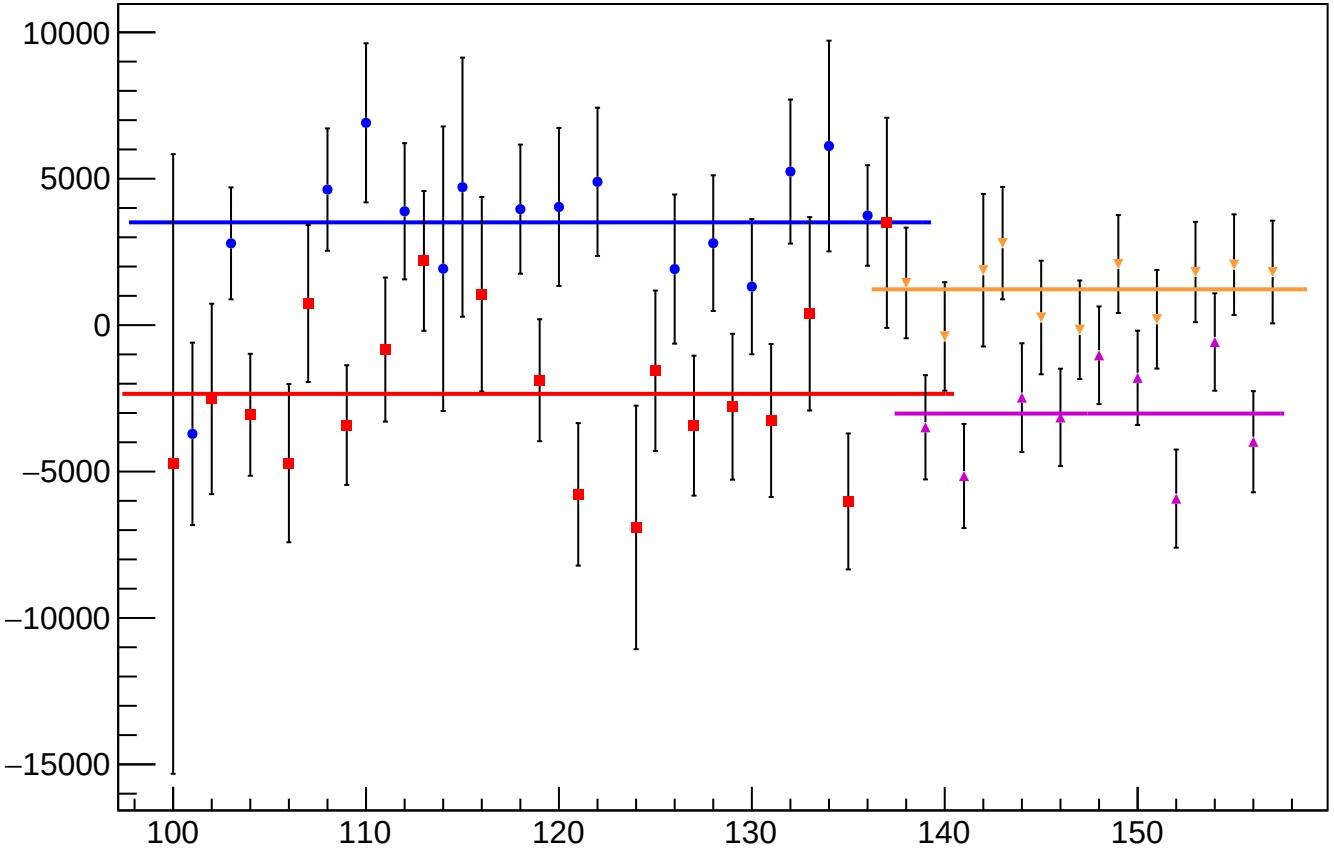
Left In: 4962.056+/-1.274 χ^2/NDF:413251.7/8

+ sign 4969.537+/-0.900 χ^2/NDF: 1018090.1/26

All: 4879.317+/-0.632 χ^2/NDF: 2349502.5/54

- sign 4791.548+/-0.887 χ^2/NDF: 1311565.8/27

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1223.378+/-548.438 χ^2/NDF:3.5/10

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

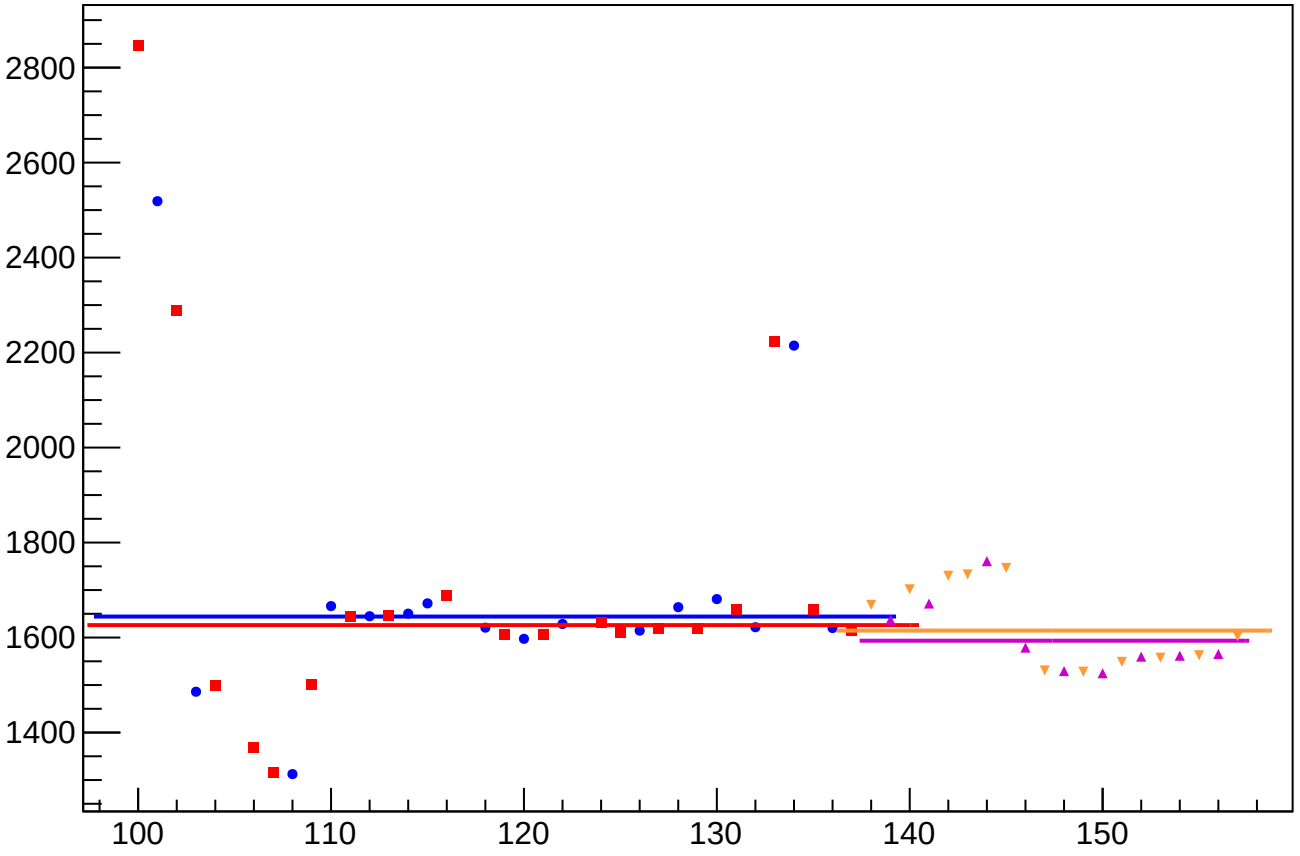
Left In: -3019.525+/-569.530 χ^2/NDF:9.1/8

+ sign 2232.921+/-409.829 χ^2/NDF: 21.6/26

All: -202.082+/-291.775 χ^2/NDF: 120.0/54

- sign -2704.873+/-415.494 χ^2/NDF: 26.8/27

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1614.662+/-0.388 χ^2/NDF:44348.0/10

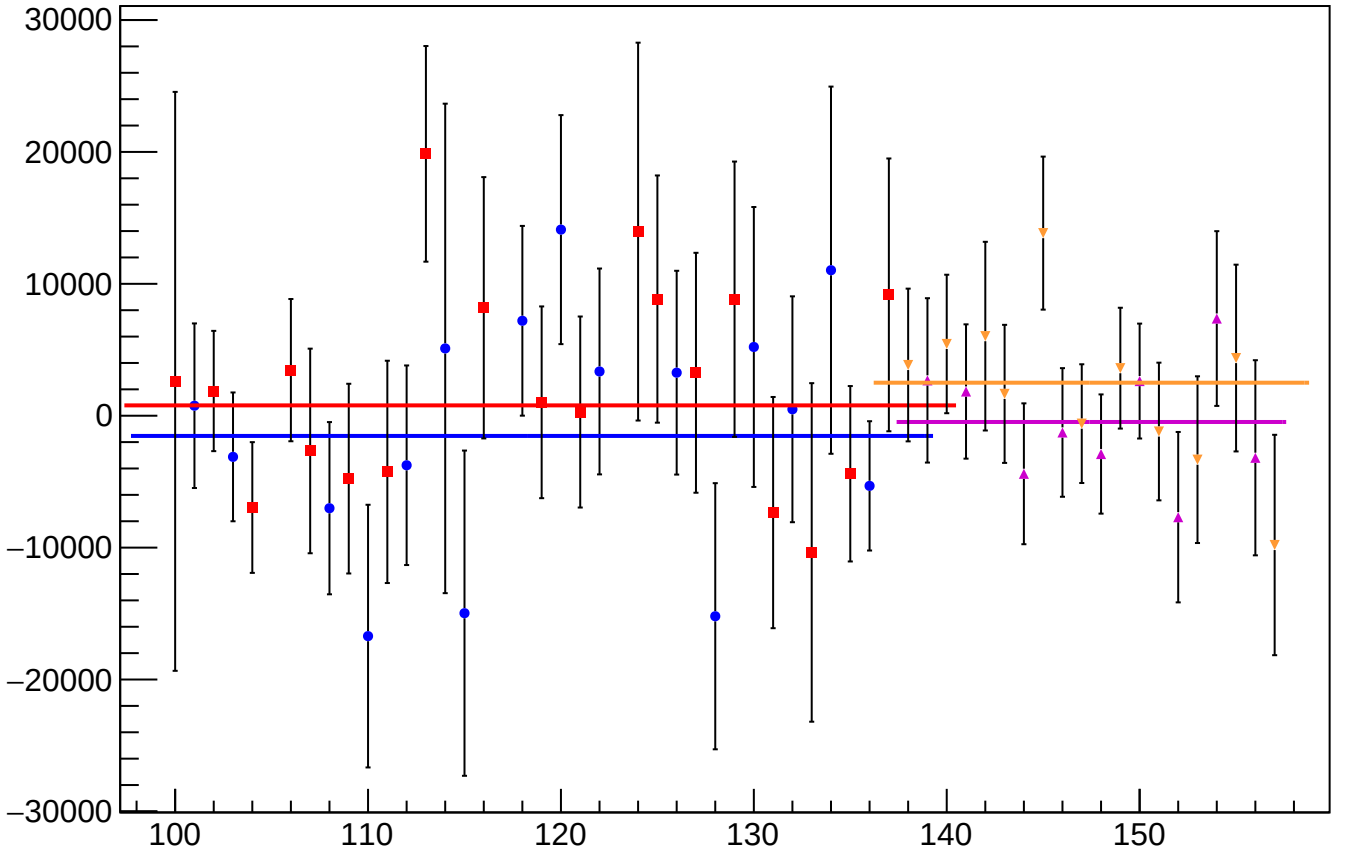
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1593.309+/-0.403 χ^2/NDF:30167.5/8

+ sign 1627.705+/-0.290 χ^2/NDF: 321727.6/26

All: 1618.327+/-0.206 χ^2/NDF: 594774.5/54

- sign 1608.697+/-0.294 χ^2/NDF: 270924.4/27



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 2503.903+/-1702.692 χ^2/NDF:8.6/10

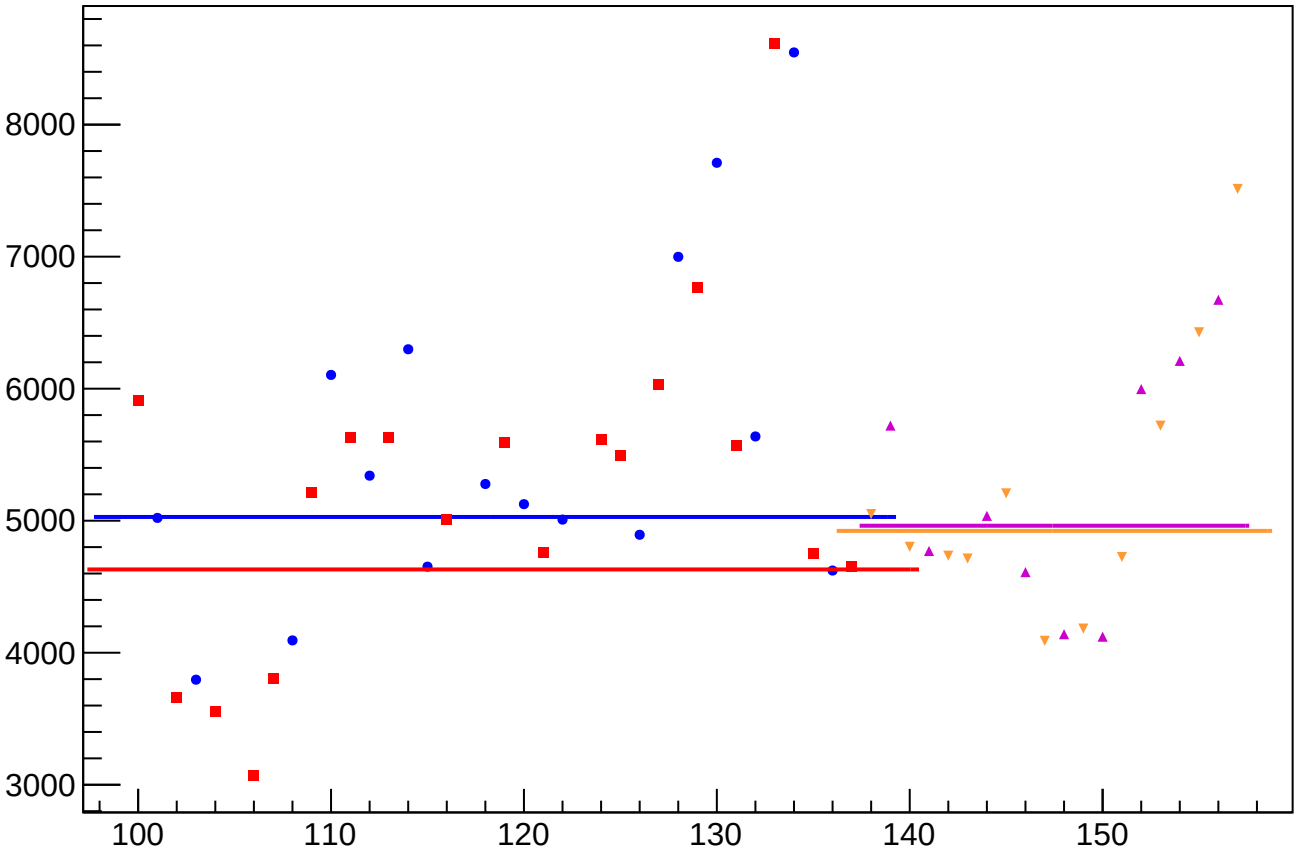
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -474.450+/-1801.440 χ^2/NDF:4.6/8

+ sign 720.696+/-1272.099 χ^2/NDF: 24.9/26

All: 443.399+/-893.294 χ^2/NDF: 44.9/54

- sign 173.637+/-1254.698 χ^2/NDF: 19.9/27



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4922.912+/-1.204 χ^2/NDF:449224.6/10

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

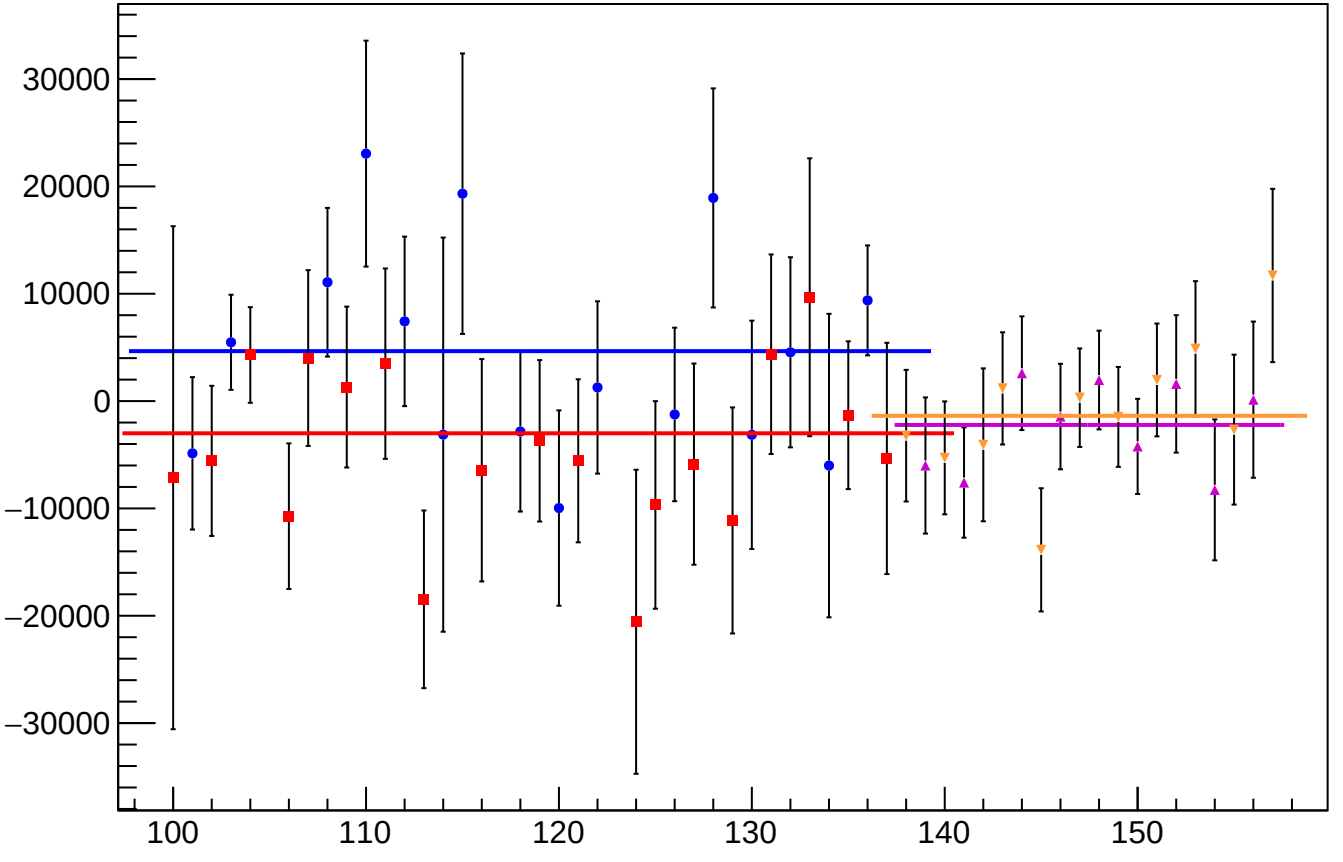
Left In: 4962.063+/-1.274 χ^2/NDF:413250.5/8

+ sign 4969.539+/-0.900 χ^2/NDF: 1018082.2/26

All: 4879.317+/-0.632 χ^2/NDF: 2349490.7/54

- sign 4791.547+/-0.887 χ^2/NDF: 1311561.5/27

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1375.646+/-1714.083 χ^2/NDF:9.9/10

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

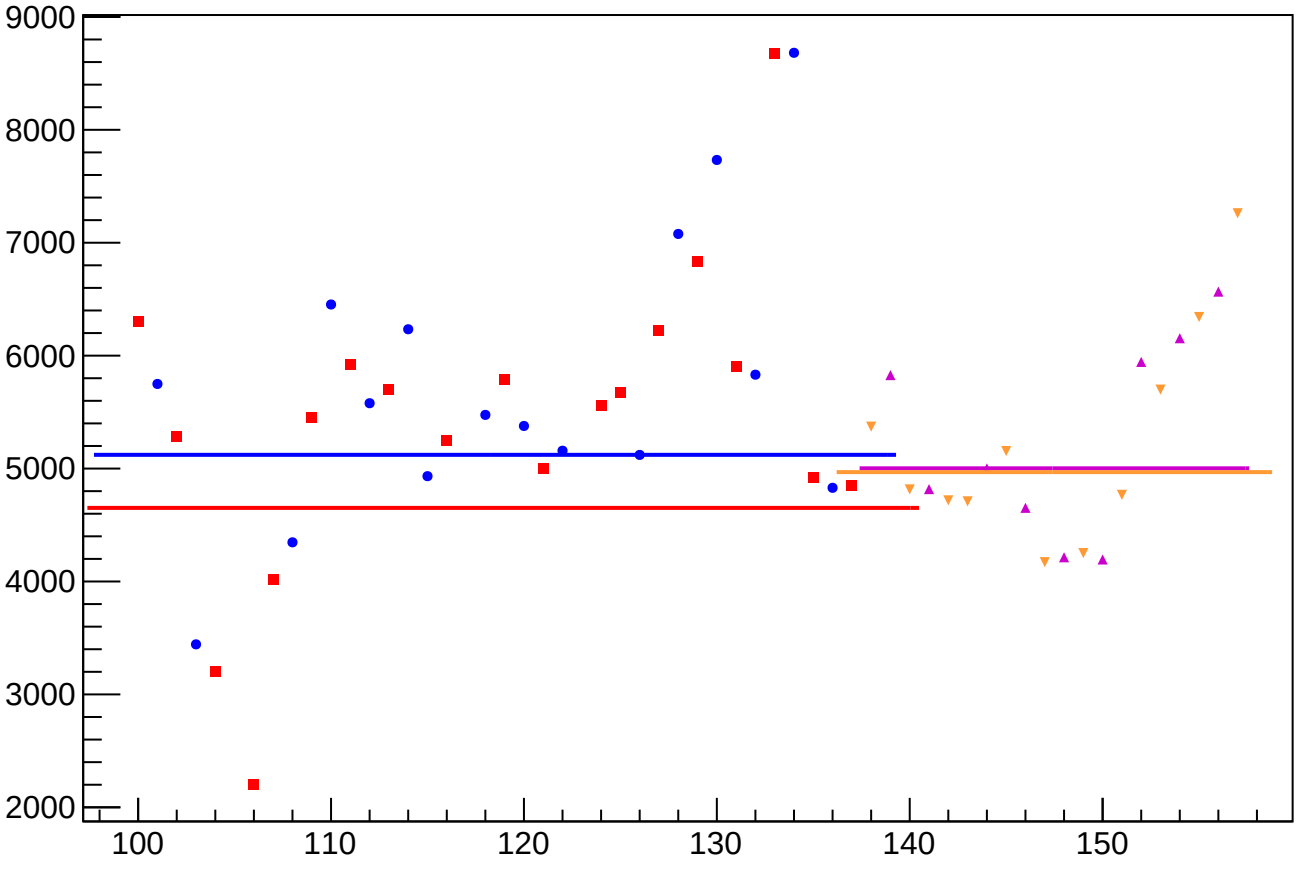
Left In: -2222.026+/-1812.309 χ^2/NDF:4.6/8

+ sign 1239.295+/-1289.849 χ^2/NDF: 30.8/26

All: -655.231+/-917.618 χ^2/NDF: 53.8/54

- sign -2596.644+/-1305.712 χ^2/NDF: 18.6/27

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4968.541+/-1.212 χ^2/NDF:396231.4/10

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

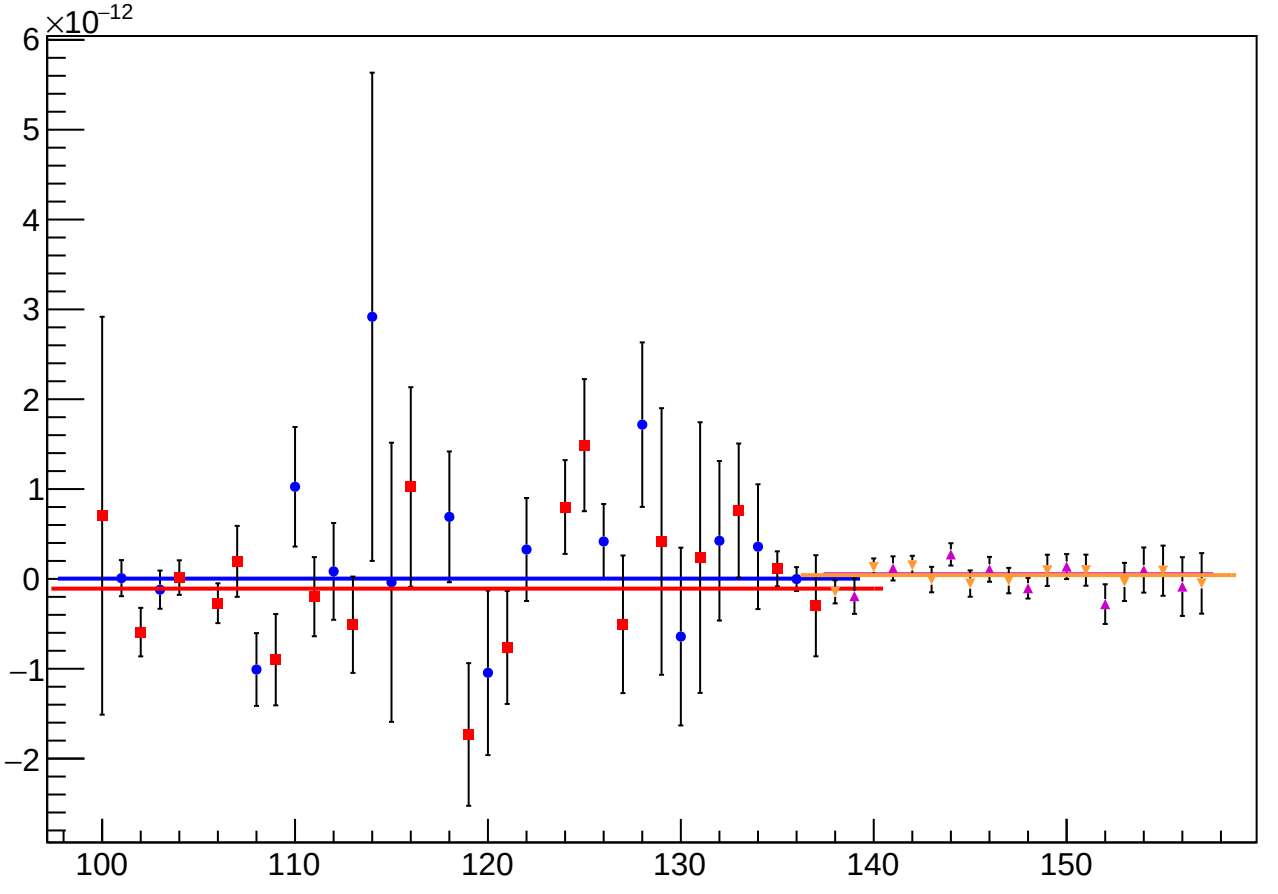
Left In: 5002.239+/-1.281 χ^2/NDF:369064.3/8

+ sign 5034.948+/-0.912 χ^2/NDF: 1123522.3/26

All: 4930.165+/-0.643 χ^2/NDF: 2901109.7/54

- sign 4826.827+/-0.906 χ^2/NDF: 1751371.7/27

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/10

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

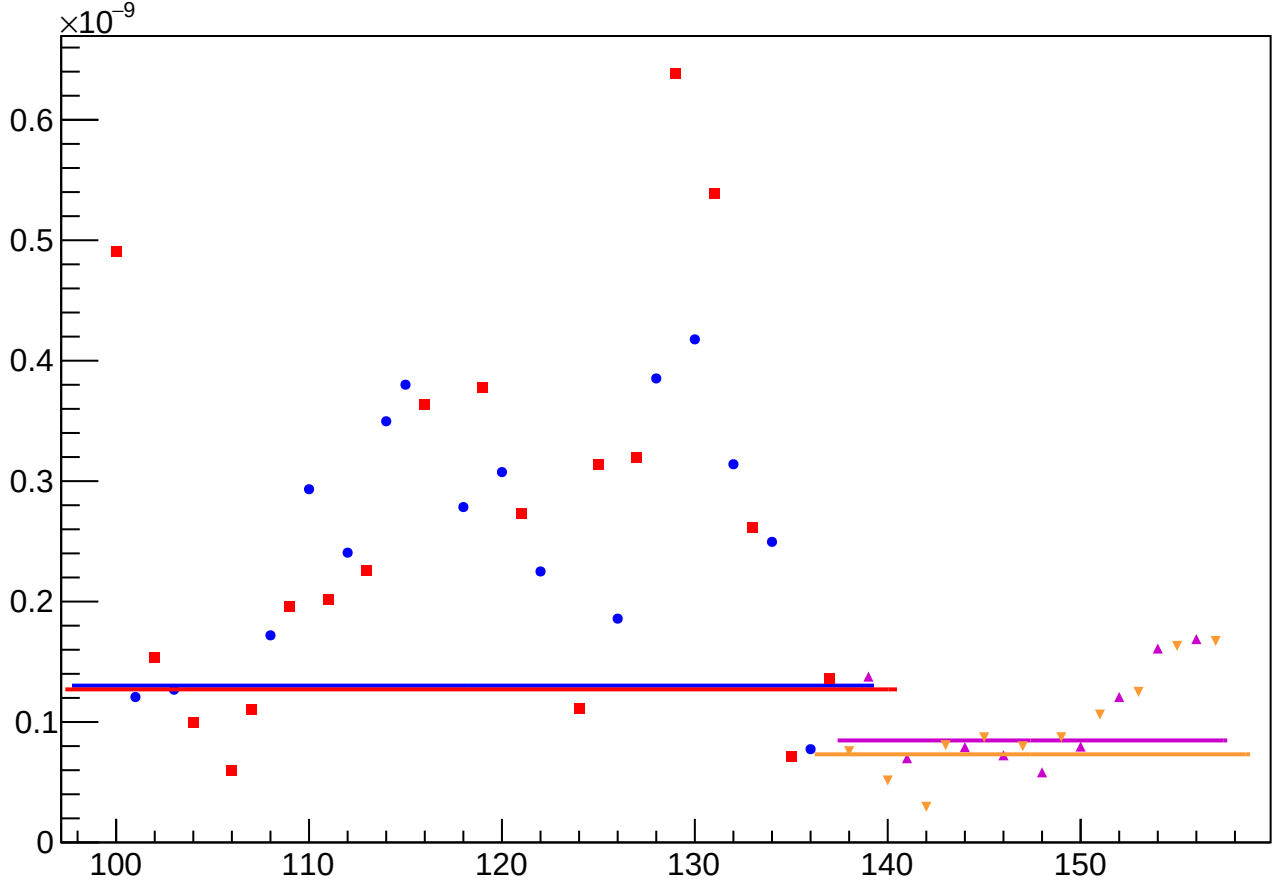
Left In: 0.000+/-0.000 χ^2/NDF:9.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/26

All: 0.000+/-0.000 χ^2/NDF: 60.8/54

- sign 0.000+/-0.000 χ^2/NDF: 37.3/27

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036716.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

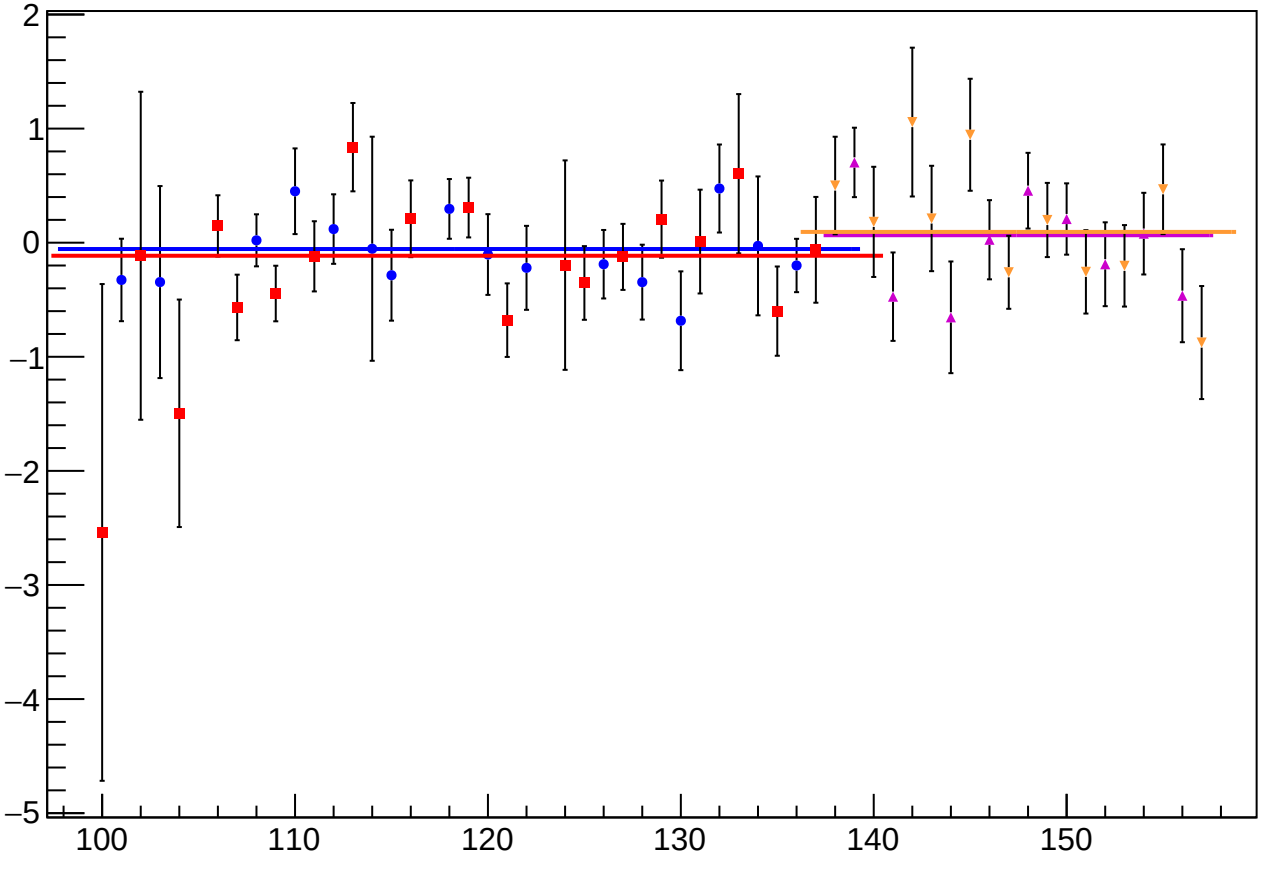
Left In: 0.000+/-0.000 χ^2/NDF:667226.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 3055983.4/26

All: 0.000+/-0.000 χ^2/NDF: 5853570.3/54

- sign 0.000+/-0.000 χ^2/NDF: 2736623.0/27

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

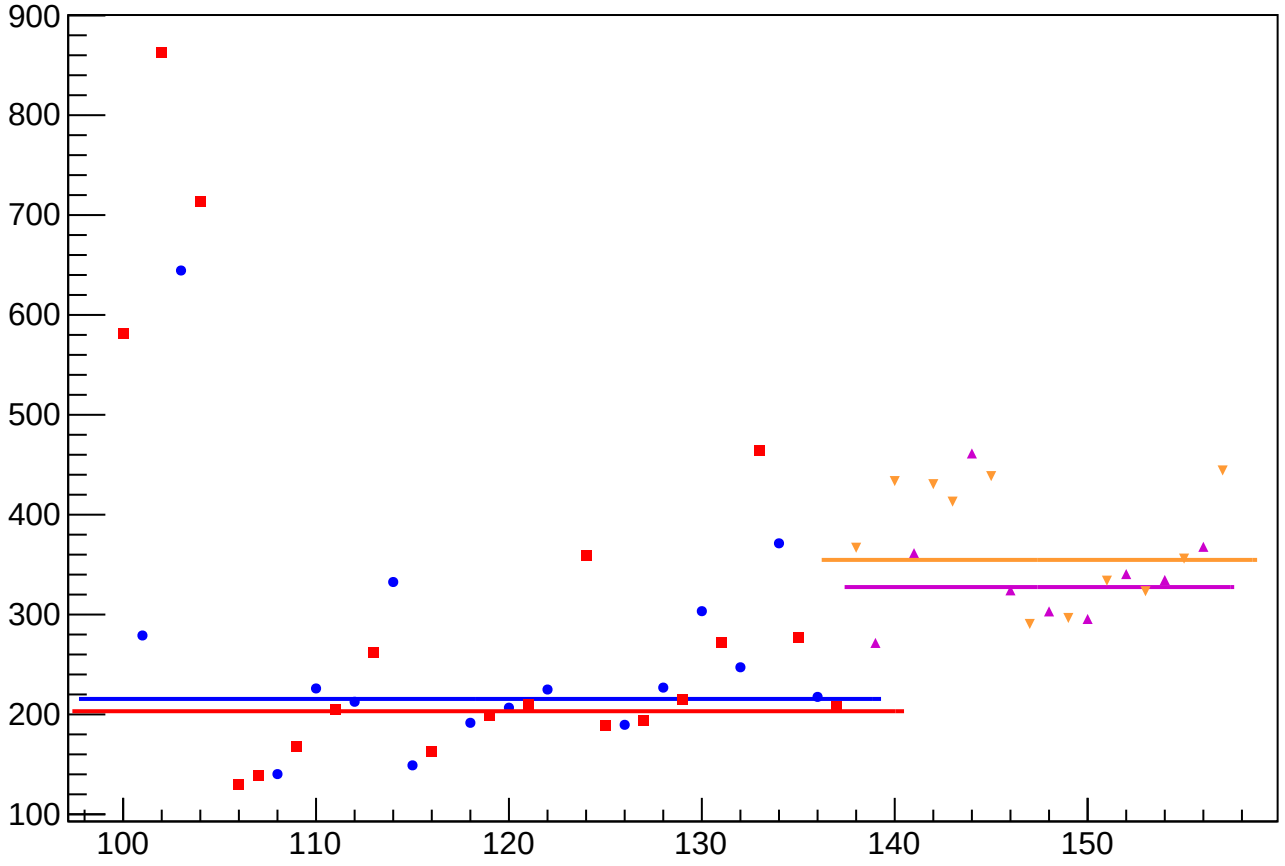
Left In: 0.065+/-0.119 χ^2/NDF:12.3/8

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.032+/-0.049 χ^2/NDF: 64.8/54

- sign -0.055+/-0.068 χ^2/NDF: 39.0/27

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

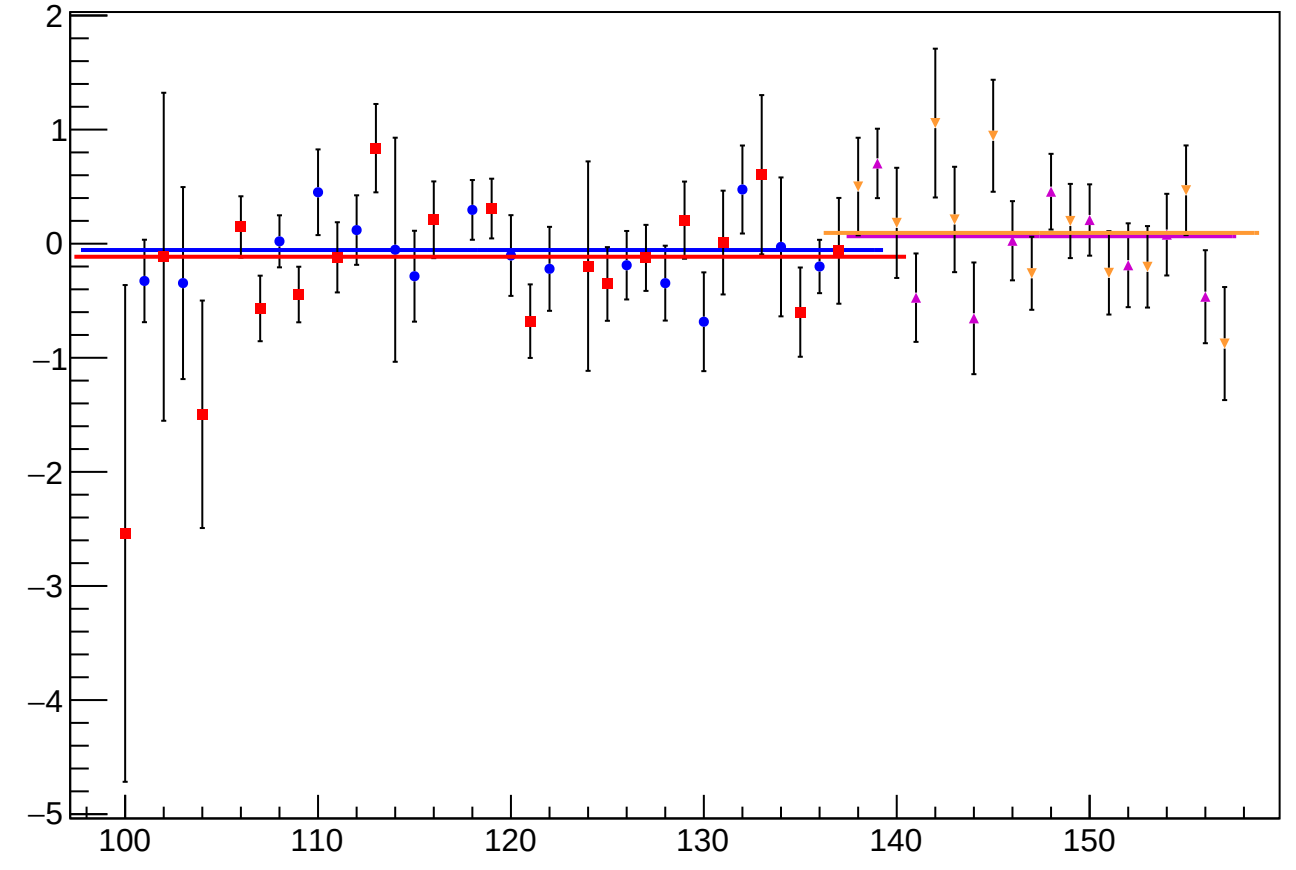
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 327.529+/-0.084 χ^2/NDF:286968.9/8

+ sign 260.823+/-0.050 χ^2/NDF: 3279317.0/26

All: 252.163+/-0.035 χ^2/NDF: 6925200.7/54

- sign 243.986+/-0.048 χ^2/NDF: 3586704.3/27



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

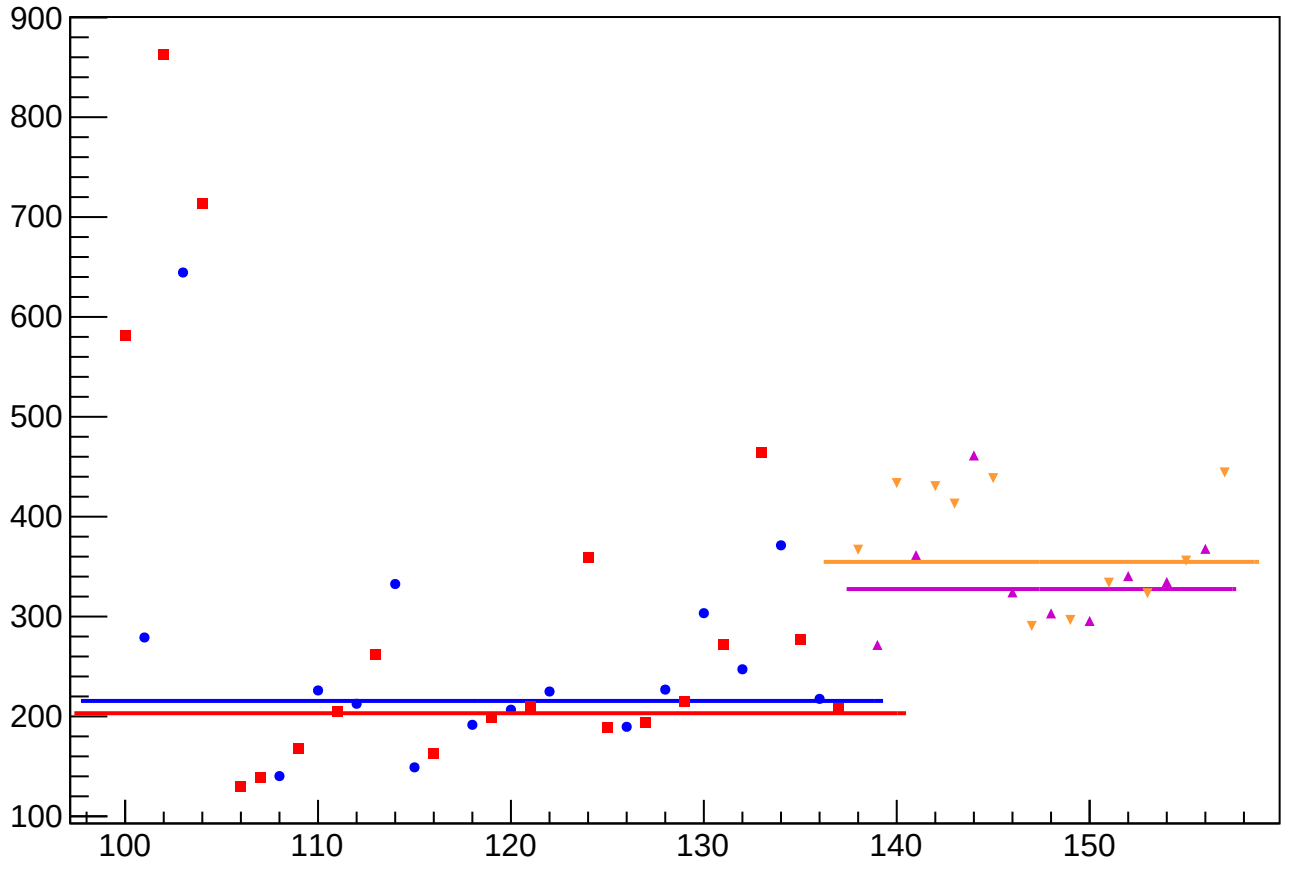
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.065+/-0.119 χ^2/NDF:12.3/8

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.032+/-0.049 χ^2/NDF: 64.8/54

- sign -0.055+/-0.068 χ^2/NDF: 39.0/27



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 354.727+/-0.087 χ^2/NDF:403918.6/10

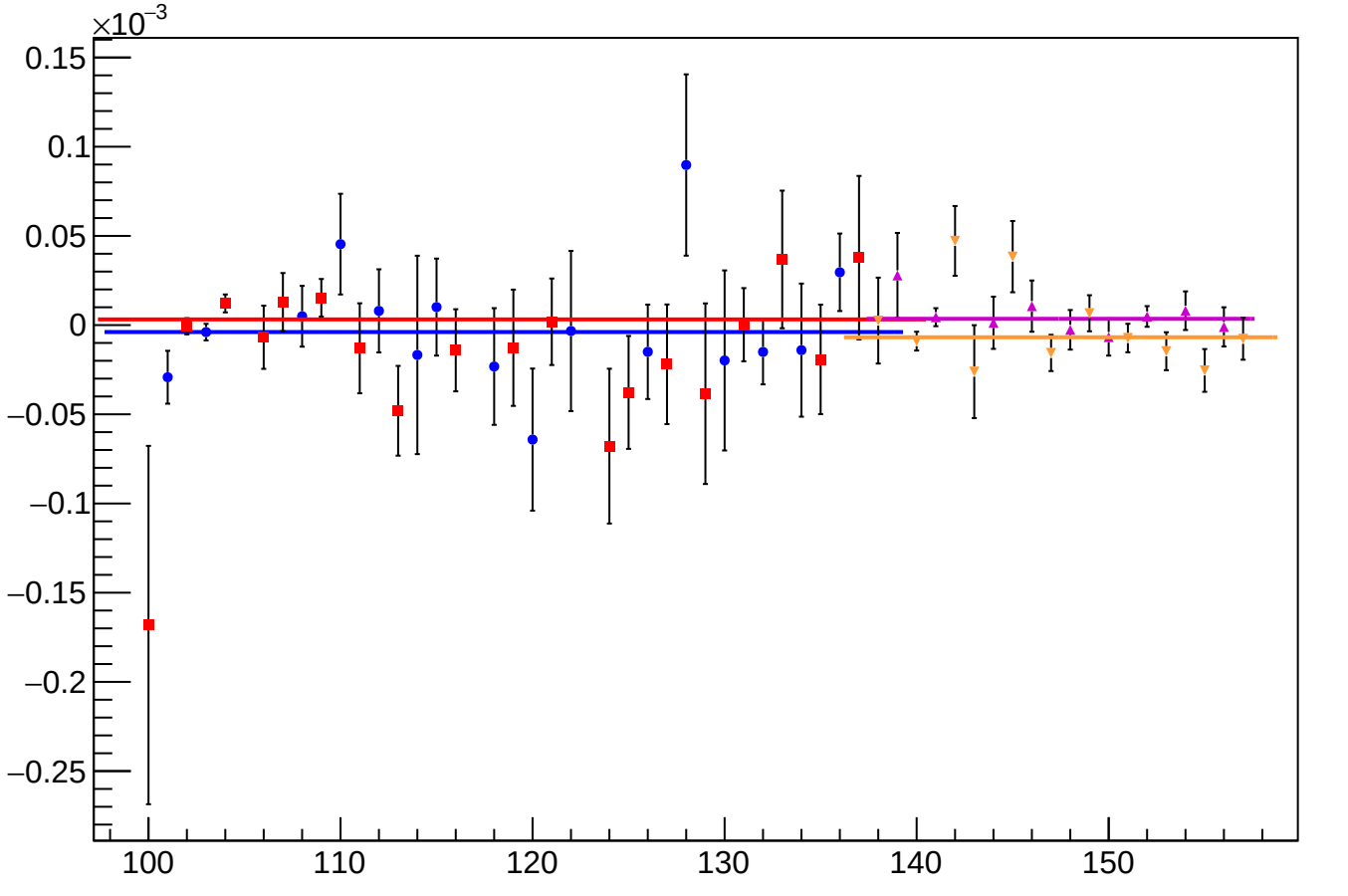
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 327.529+/-0.084 χ^2/NDF:286968.9/8

+ sign 260.823+/-0.050 χ^2/NDF: 3279317.0/26

All: 252.163+/-0.035 χ^2/NDF: 6925200.7/54

- sign 243.986+/-0.048 χ^2/NDF: 3586704.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/10

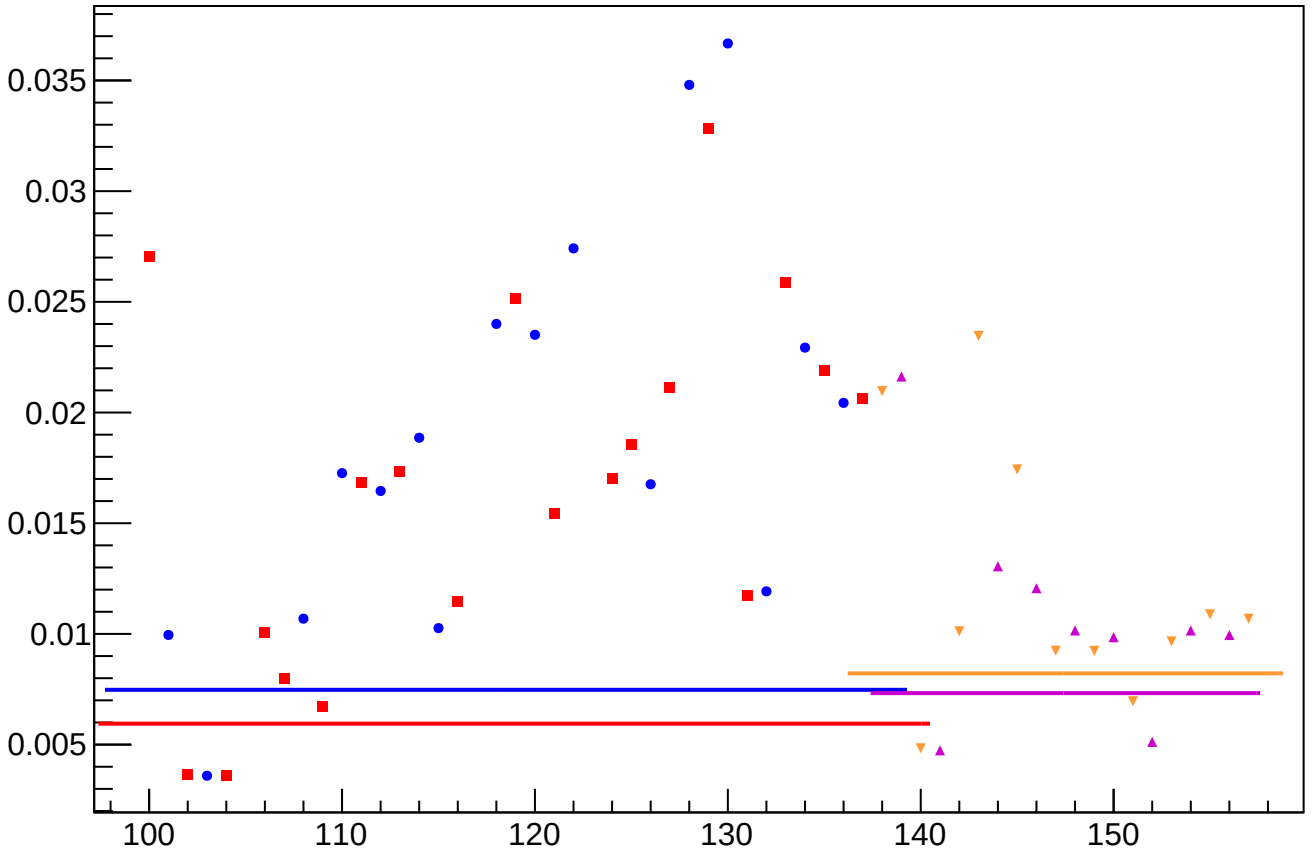
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/26

All: -0.000+/-0.000 χ^2/NDF: 68.1/54

- sign 0.000+/-0.000 χ^2/NDF: 24.7/27



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2830466.2/10

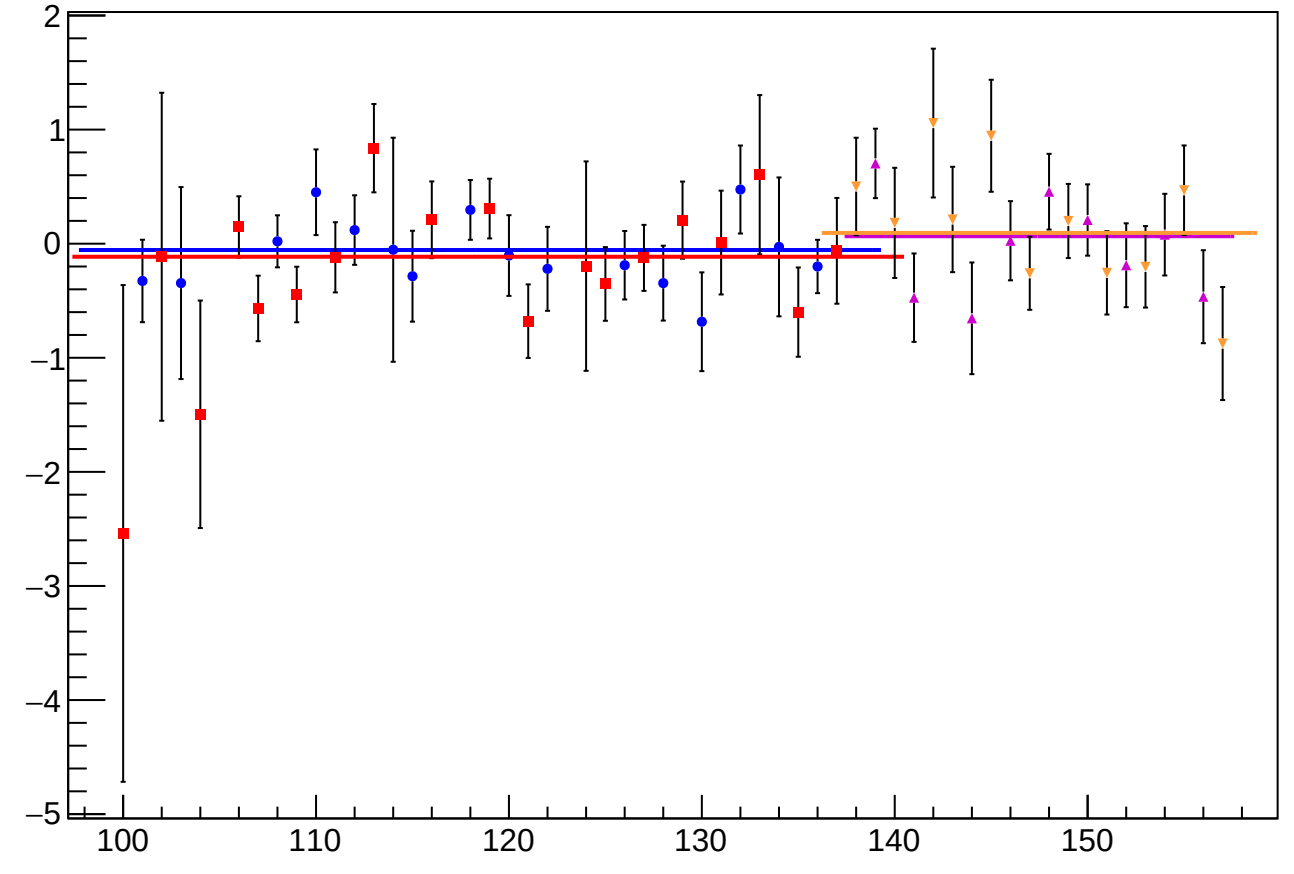
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2558553.1/8

+ sign 0.008+/-0.000 χ^2/NDF: 8952431.4/26

All: 0.007+/-0.000 χ^2/NDF: 17999595.1/54

- sign 0.007+/-0.000 χ^2/NDF: 8714569.0/27



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

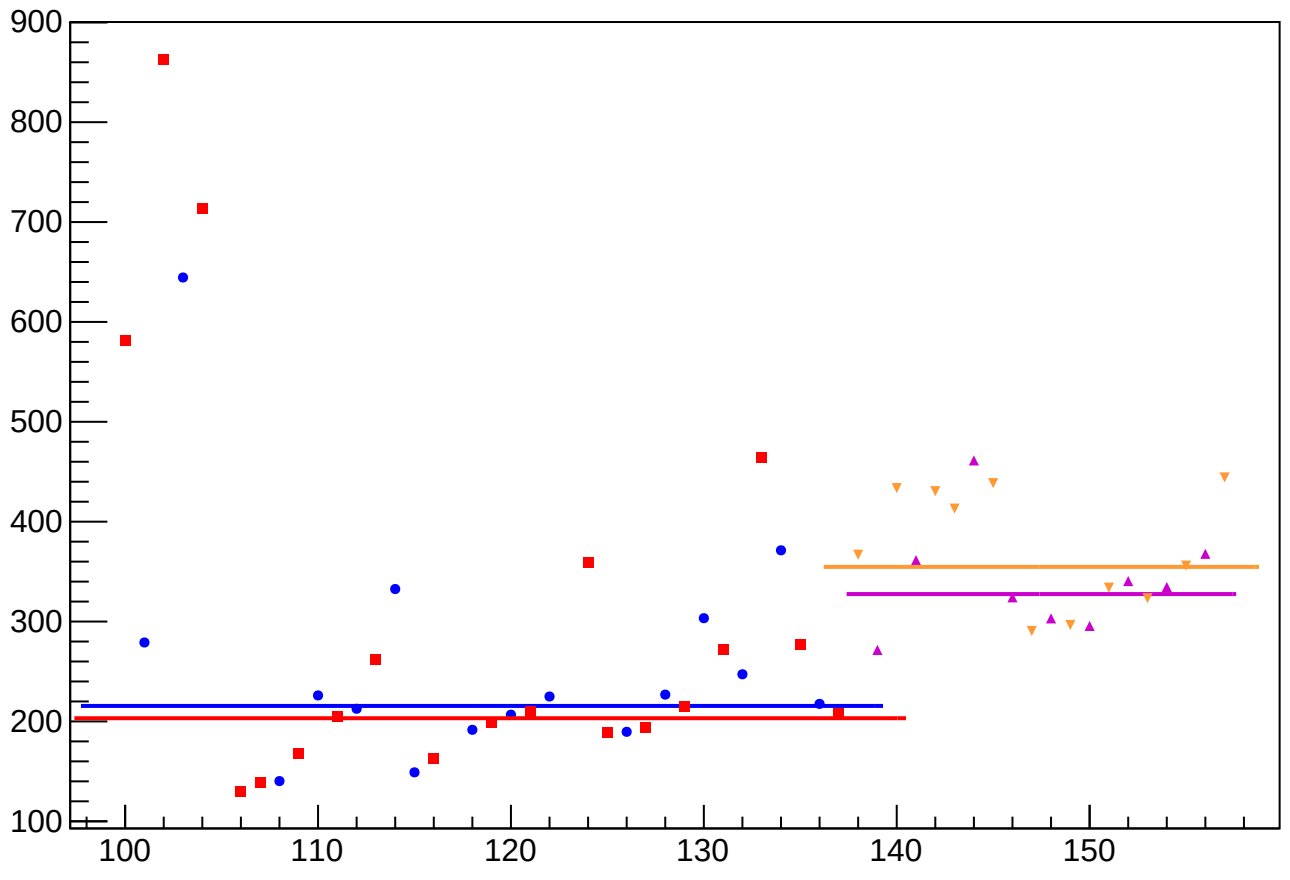
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.065+/-0.119 χ^2/NDF:12.3/8

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.032+/-0.049 χ^2/NDF: 64.8/54

- sign -0.055+/-0.068 χ^2/NDF: 39.0/27



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

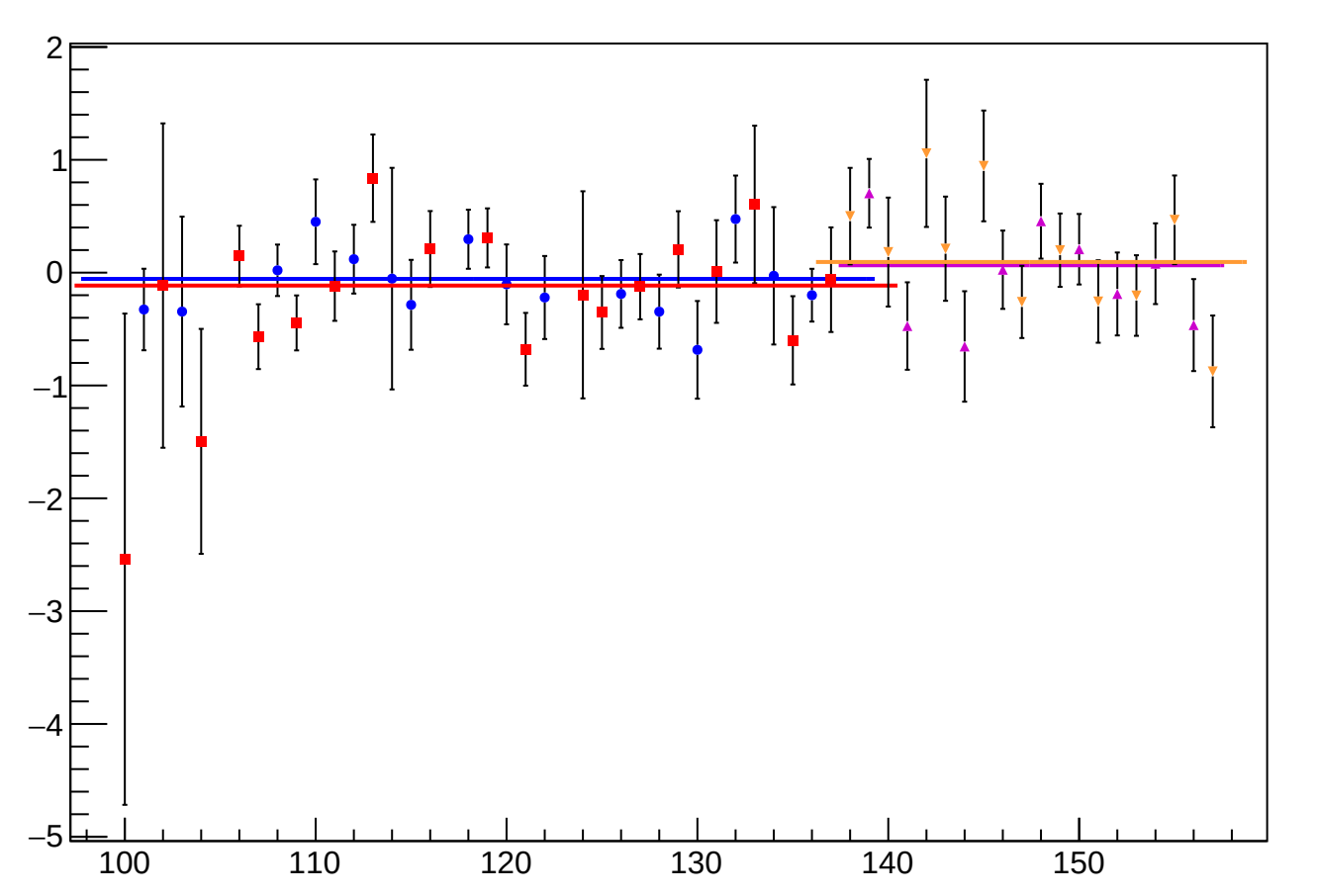
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 327.534+/-0.084 χ^2/NDF:286953.3/8

+ sign 260.823+/-0.050 χ^2/NDF: 3279405.1/26

All: 252.163+/-0.035 χ^2/NDF: 6925379.3/54

- sign 243.985+/-0.048 χ^2/NDF: 3586793.4/27



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.094+/-0.123 χ^2/NDF:13.9/10

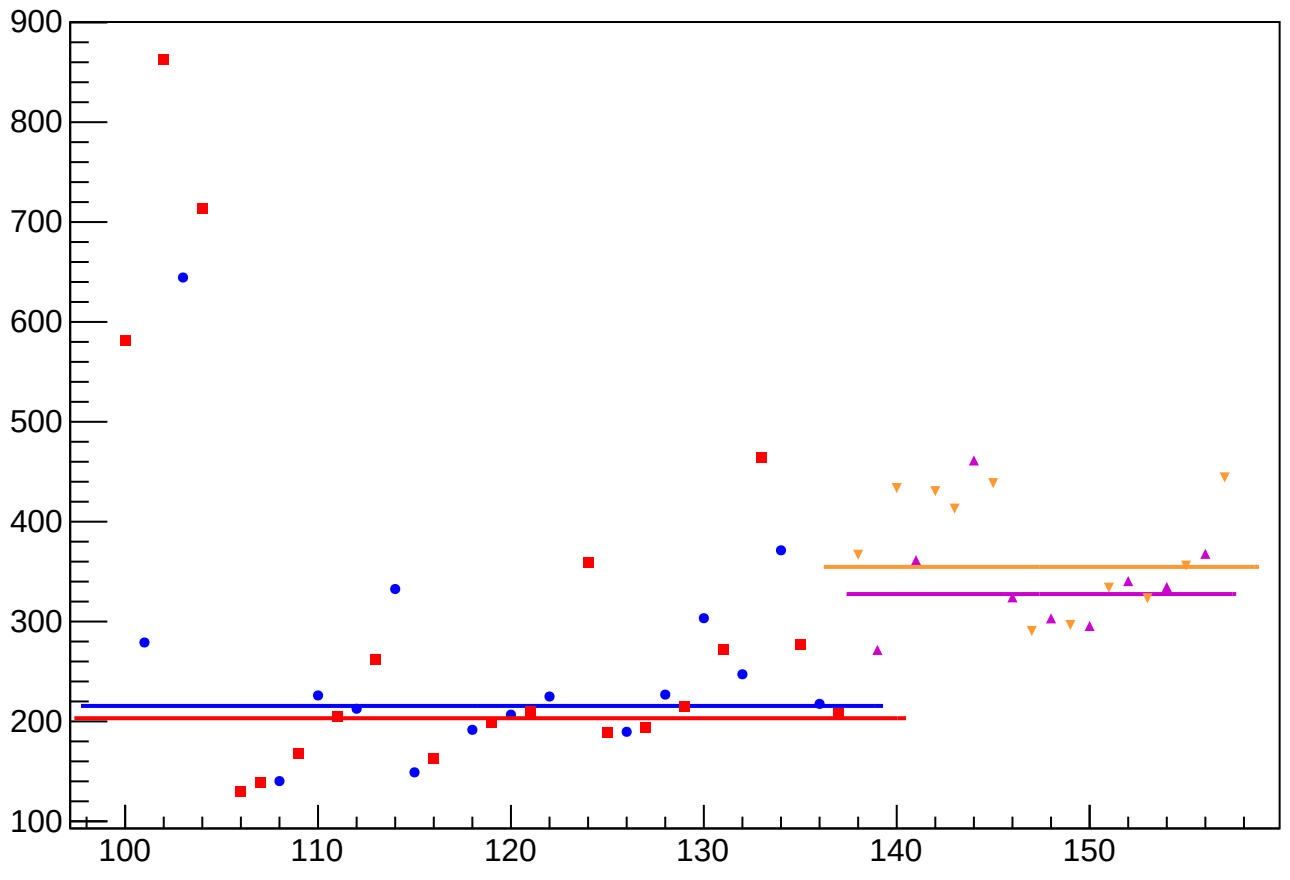
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.065+/-0.119 χ^2/NDF:12.3/8

+ sign -0.007+/-0.070 χ^2/NDF: 25.5/26

All: -0.032+/-0.049 χ^2/NDF: 64.8/54

- sign -0.055+/-0.068 χ^2/NDF: 39.0/27



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 354.732+/-0.087 χ^2/NDF:403910.1/10

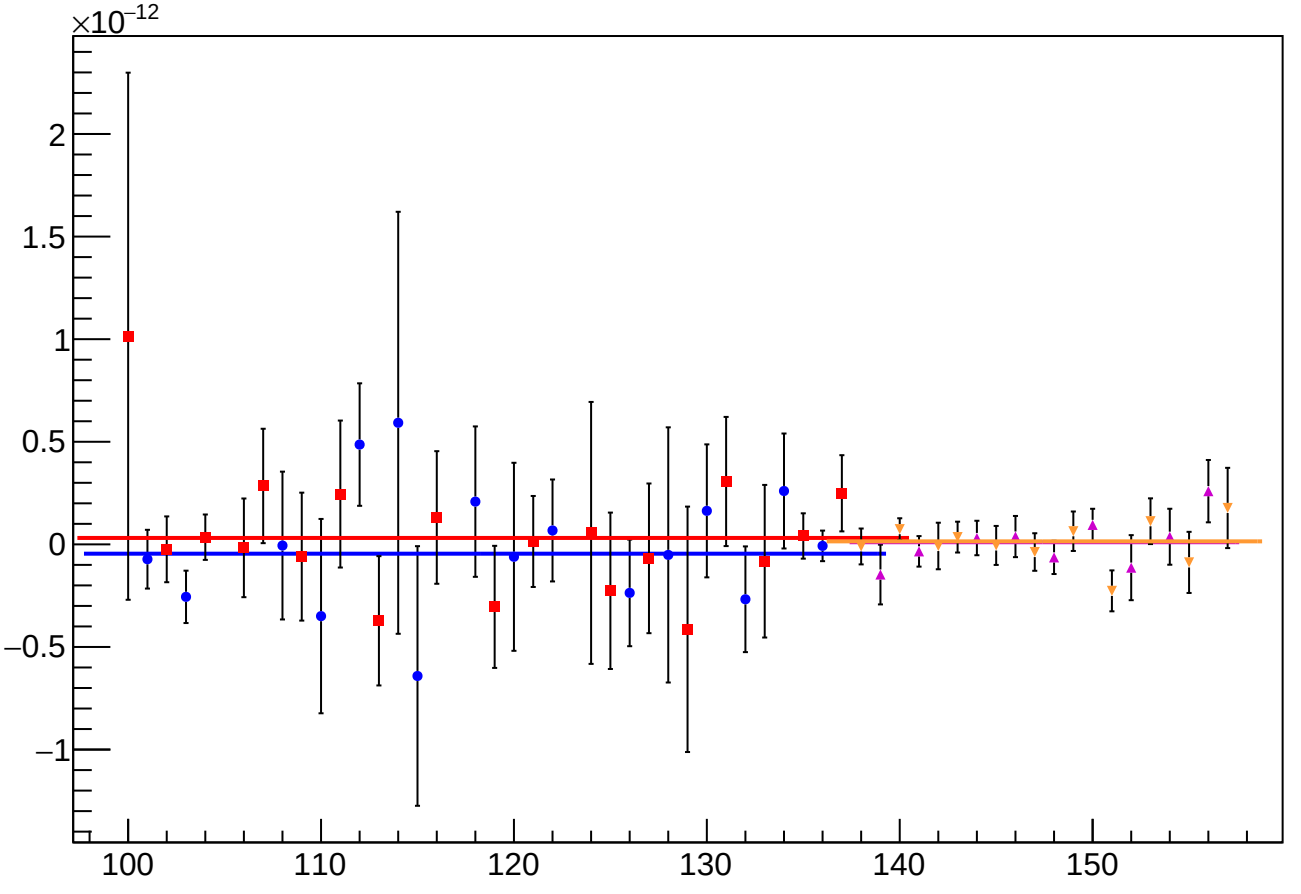
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 327.534+/-0.084 χ^2/NDF:286953.3/8

+ sign 260.823+/-0.050 χ^2/NDF: 3279405.1/26

All: 252.163+/-0.035 χ^2/NDF: 6925379.3/54

- sign 243.985+/-0.048 χ^2/NDF: 3586793.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

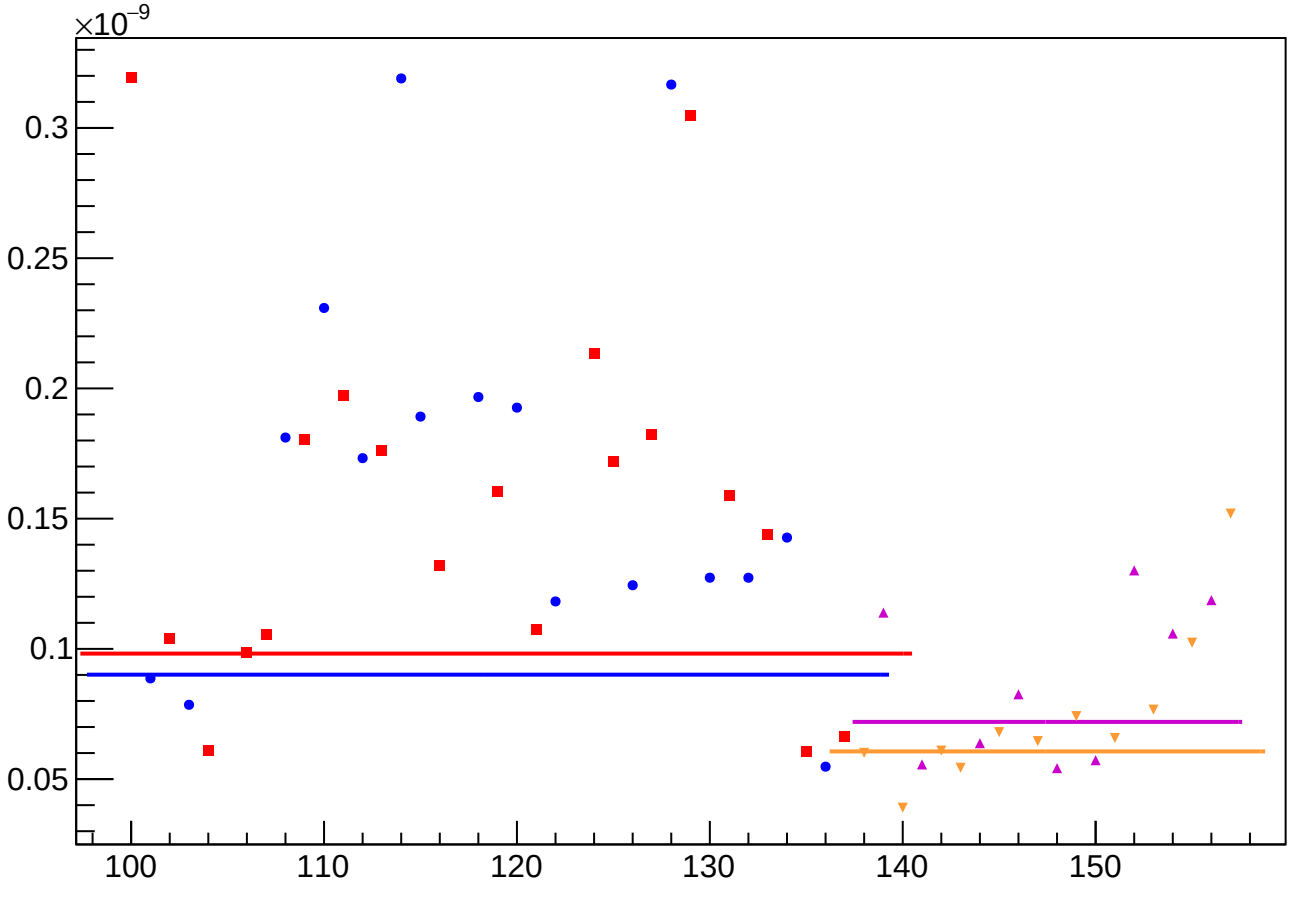
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 22.4/26

All: 0.000+/-0.000 χ^2/NDF: 38.1/54

- sign 0.000+/-0.000 χ^2/NDF: 15.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1040993.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

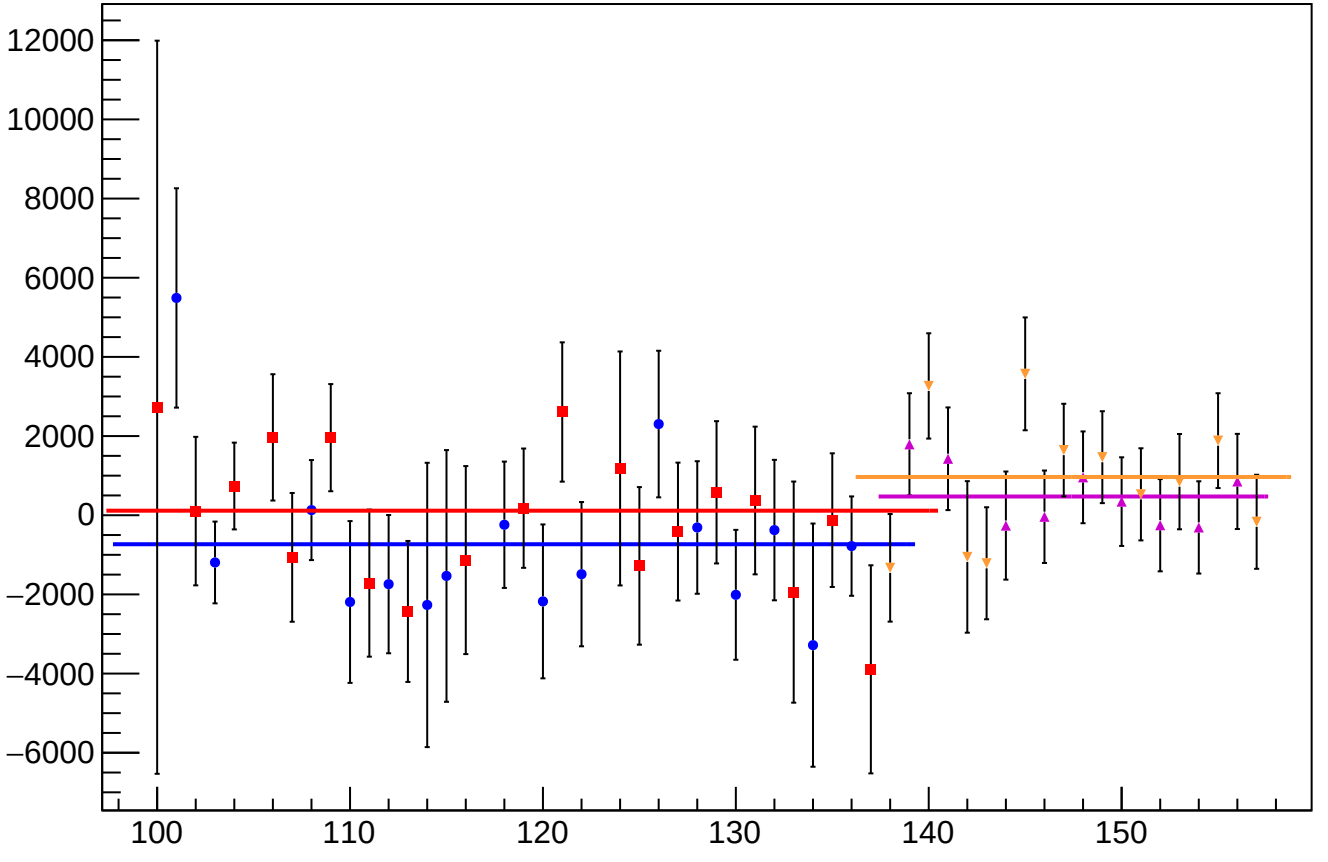
Left In: 0.000+/-0.000 χ^2/NDF:1051955.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 3383626.1/26

All: 0.000+/-0.000 χ^2/NDF: 6705956.1/54

- sign 0.000+/-0.000 χ^2/NDF: 3108699.1/27

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 966.560+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

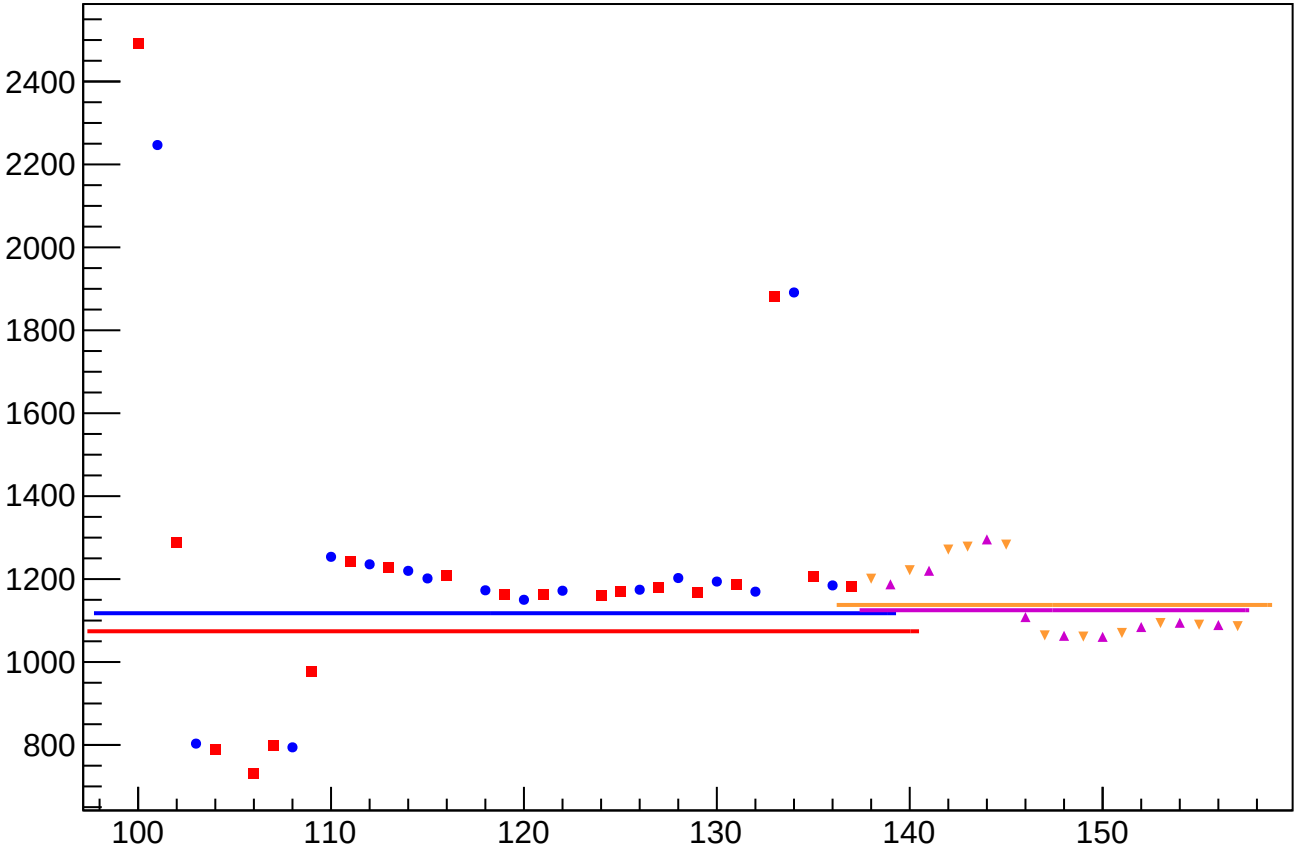
Left In: 473.331+/-402.544 χ^2/NDF:3.2/8

+ sign 200.972+/-286.867 χ^2/NDF: 35.2/26

All: 249.389+/-203.151 χ^2/NDF: 52.0/54

- sign 298.100+/-287.734 χ^2/NDF: 16.7/27

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

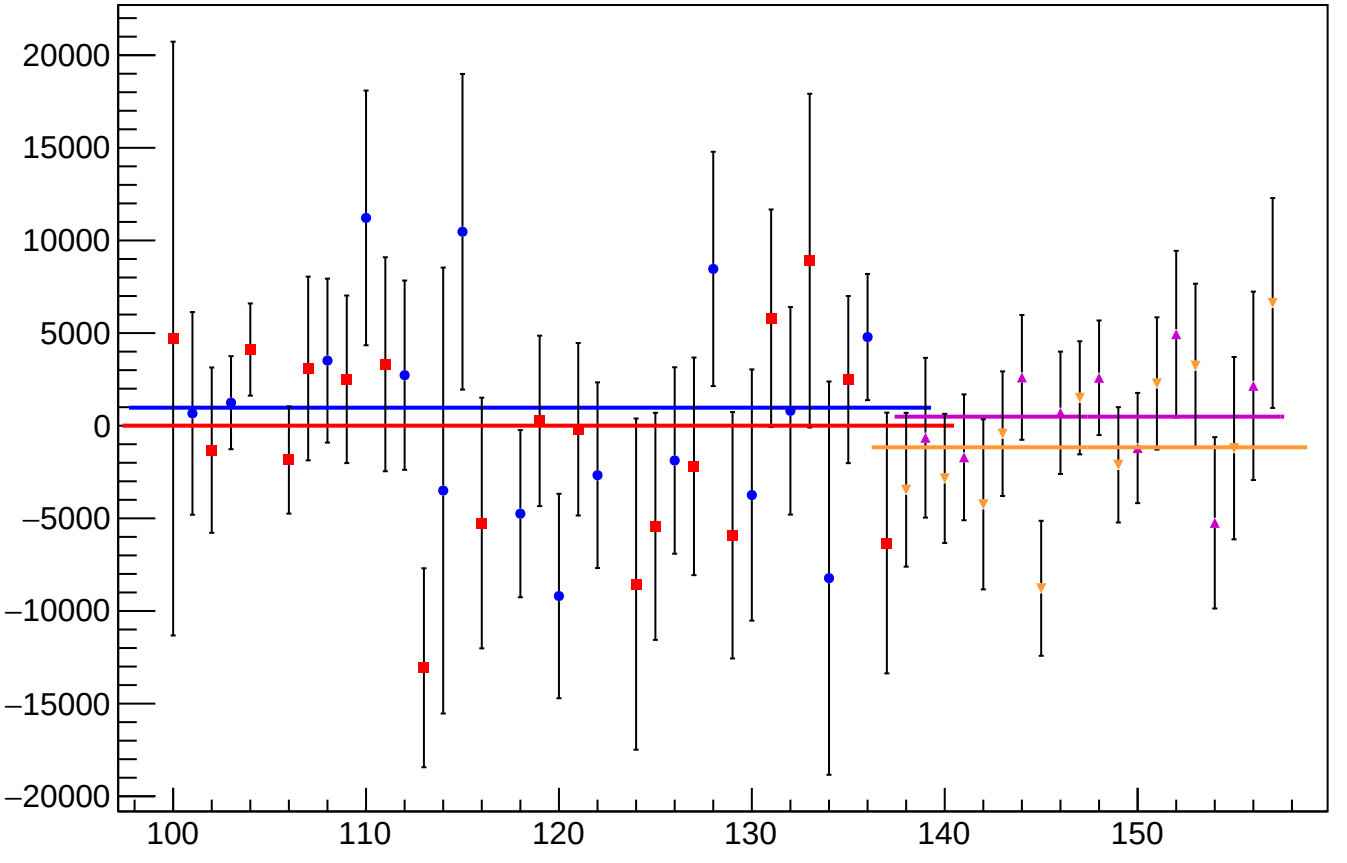
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1124.890+/-0.285 χ^2/NDF:64915.9/8

+ sign 1128.654+/-0.203 χ^2/NDF: 917564.5/26

All: 1114.243+/-0.143 χ^2/NDF: 1657747.1/54

- sign 1099.862+/-0.203 χ^2/NDF: 730098.7/27



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1165.810+/-1143.975 χ^2/NDF:10.1/10

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

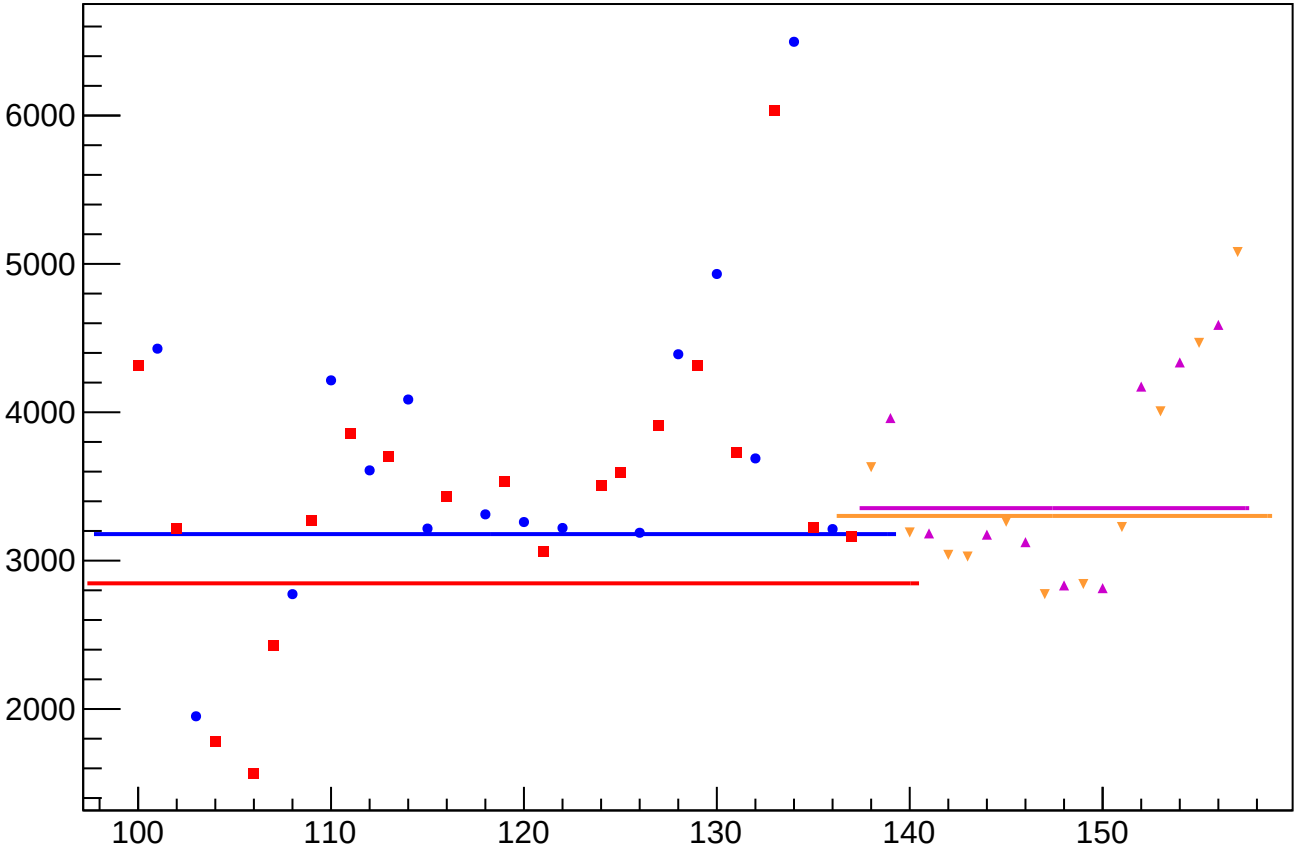
Left In: 488.805+/-1219.174 χ^2/NDF:4.3/8

+ sign -175.835+/-838.543 χ^2/NDF: 25.5/26

All: 27.962+/-587.130 χ^2/NDF: 46.6/54

- sign 223.963+/-822.349 χ^2/NDF: 20.9/27

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3301.301+/-0.809 χ^2/NDF:498873.6/10

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

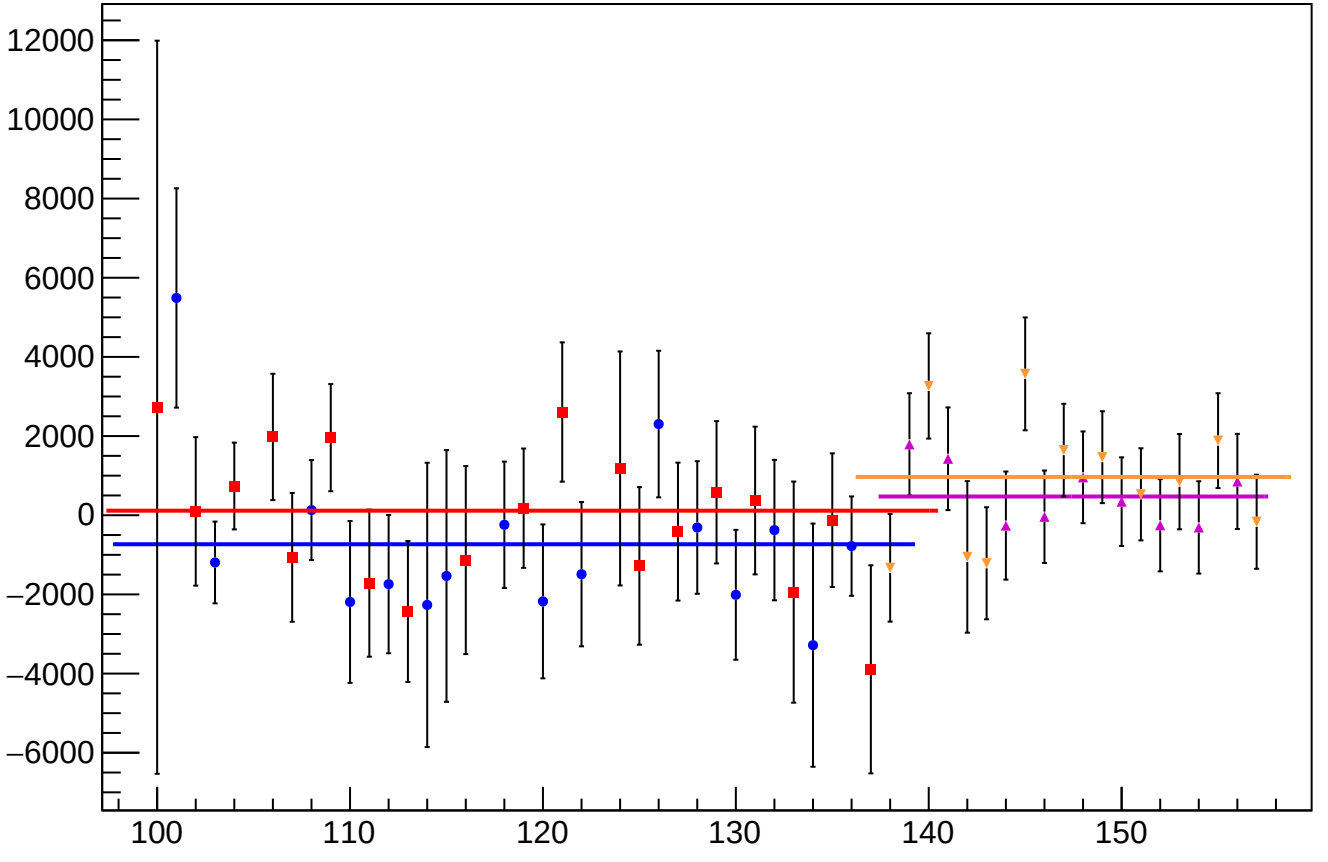
Left In: 3353.845+/-0.862 χ^2/NDF:457039.4/8

\+ sign 3244.652+/-0.593 χ^2/NDF: 1601149.7/26

All: 3159.501+/-0.415 χ^2/NDF: 3798191.7/54

\- sign 3077.607+/-0.581 χ^2/NDF: 2156583.9/27

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

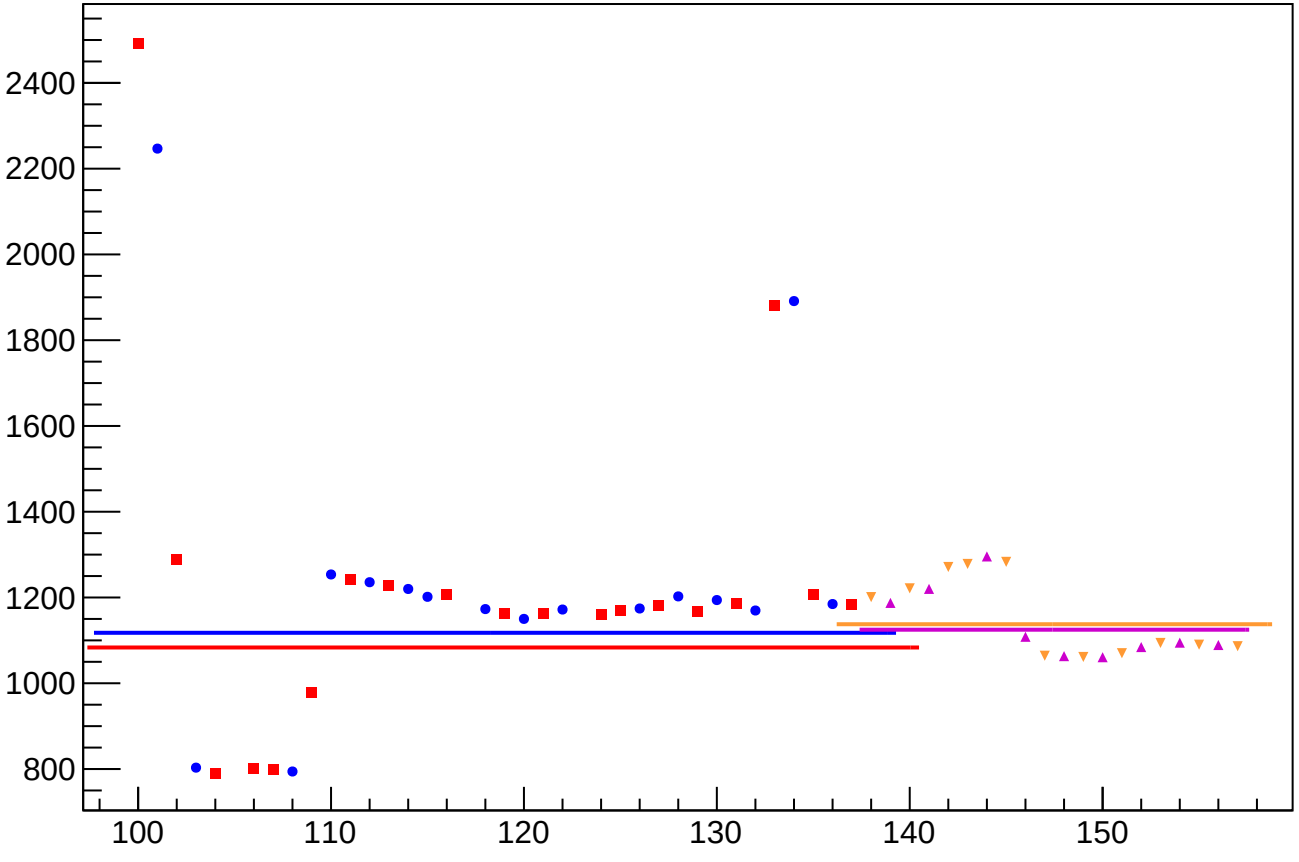
Left In: 473.352+/-402.544 χ^2/NDF:3.2/8

+ sign 201.028+/-286.867 χ^2/NDF: 35.2/26

All: 249.488+/-203.152 χ^2/NDF: 52.0/54

- sign 298.243+/-287.736 χ^2/NDF: 16.7/27

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

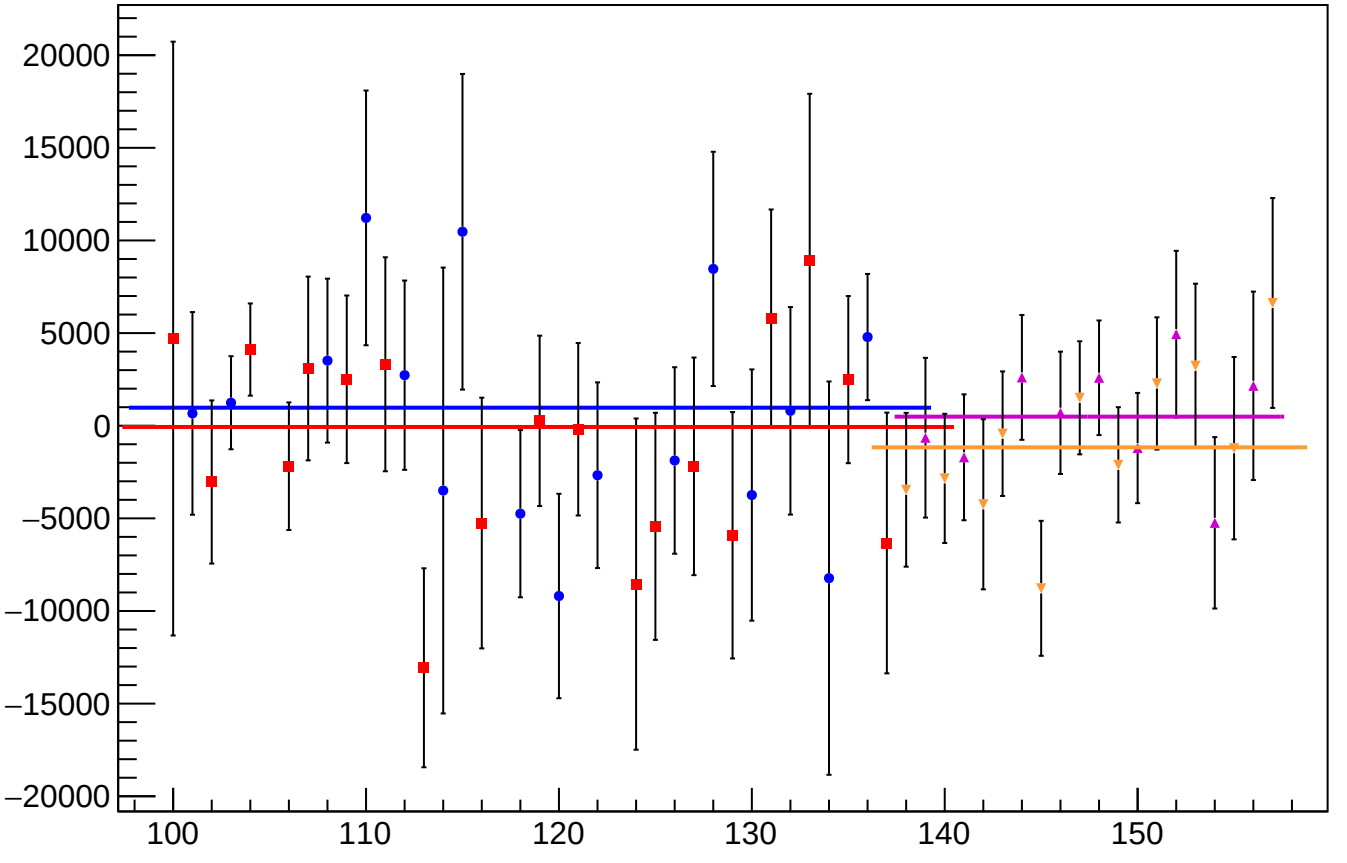
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1124.890+/-0.285 χ^2/NDF:64915.9/8

+ sign 1128.654+/-0.203 χ^2/NDF: 917561.0/26

All: 1116.637+/-0.144 χ^2/NDF: 1594929.1/54

- sign 1104.569+/-0.203 χ^2/NDF: 670333.5/27



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1165.801+/-1143.973 χ^2/NDF:10.1/10

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

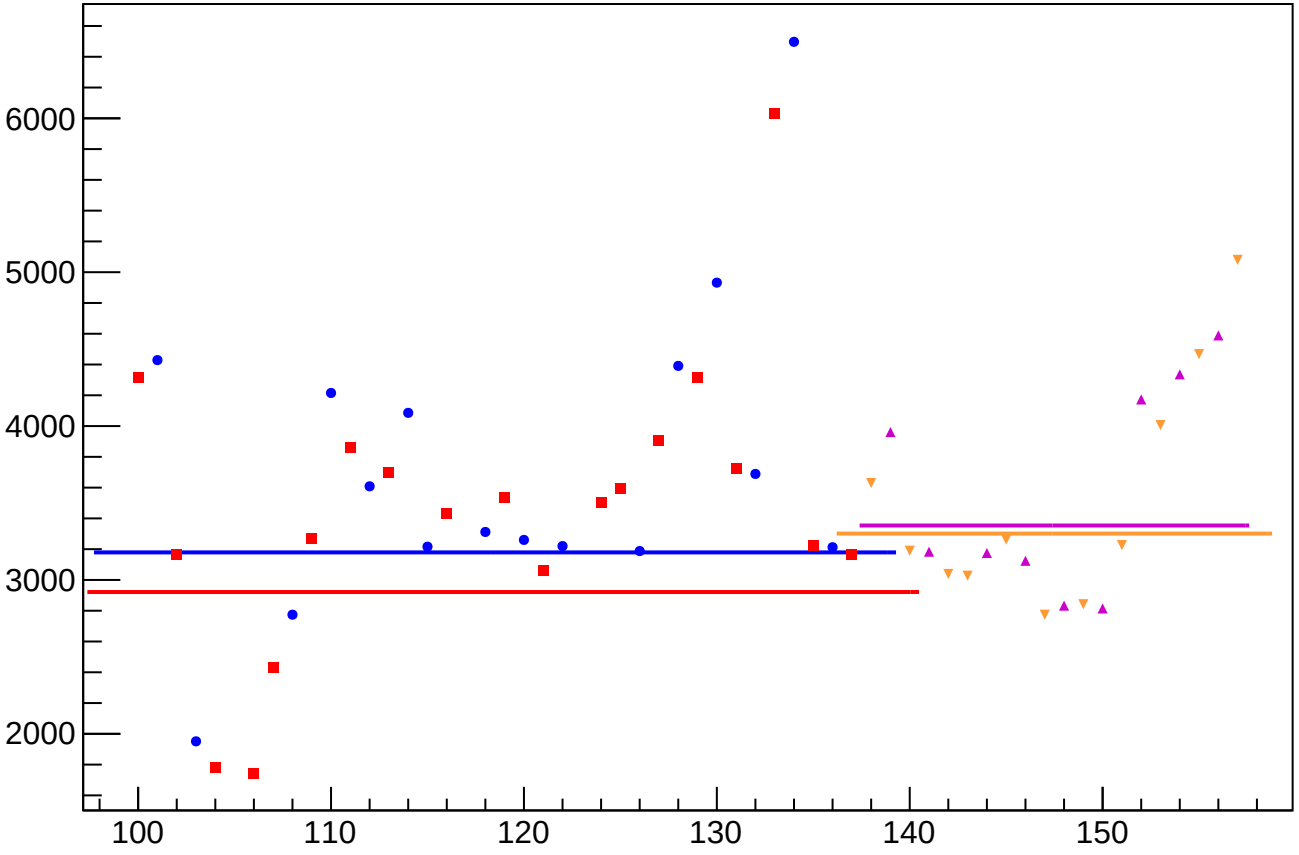
Left In: 488.837+/-1219.174 χ^2/NDF:4.3/8

\+ sign -176.106+/-838.558 χ^2/NDF: 25.5/26

All: 9.278+/-590.569 χ^2/NDF: 46.9/54

\- sign 191.713+/-831.863 χ^2/NDF: 21.3/27

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3301.296+/-0.809 χ^2/NDF:498875.3/10

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

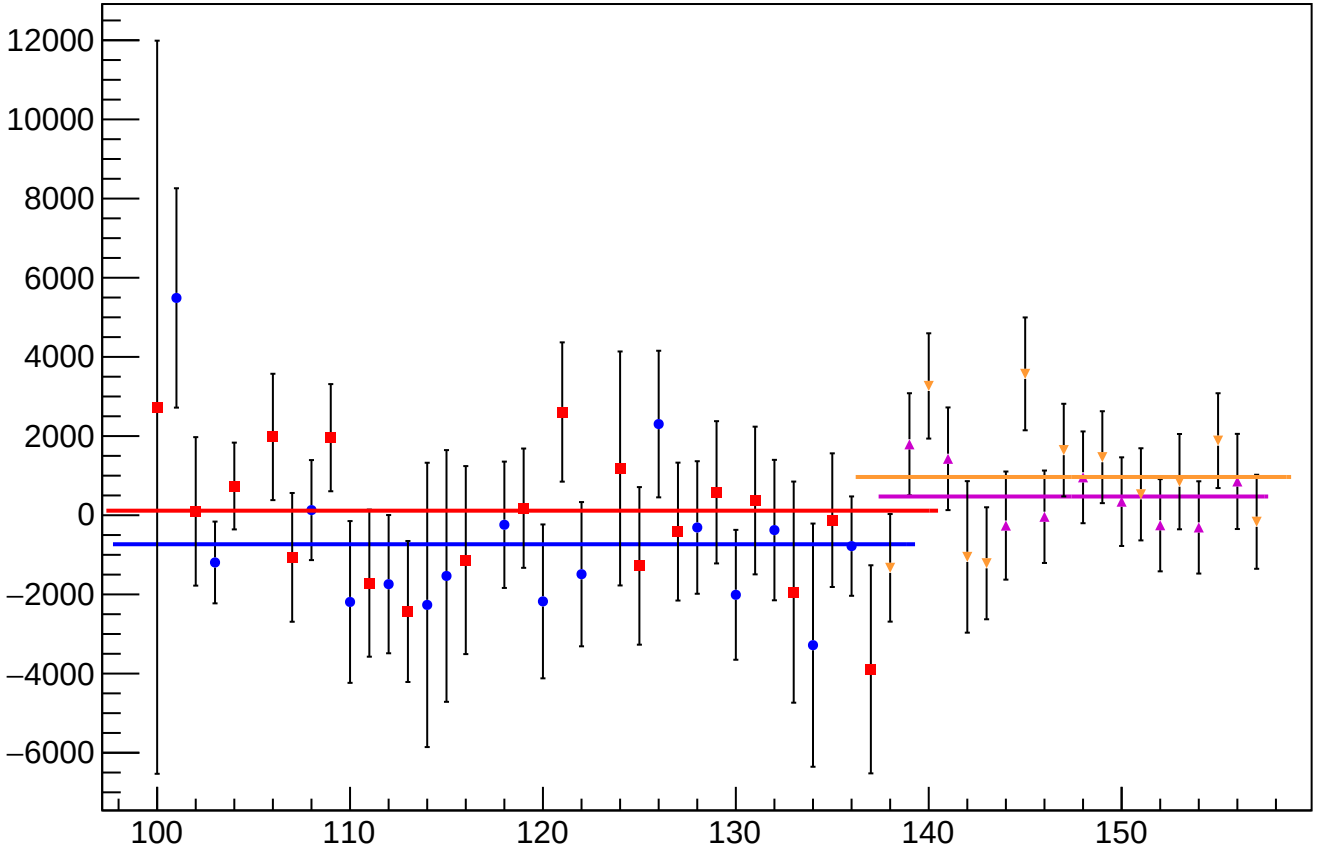
Left In: 3353.844+/-0.862 χ^2/NDF:457042.6/8

+ sign 3244.737+/-0.593 χ^2/NDF: 1600677.9/26

All: 3183.308+/-0.418 χ^2/NDF: 3526236.6/54

- sign 3122.856+/-0.588 χ^2/NDF: 1904263.7/27

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 966.607+/-386.997 χ^2/NDF:14.8/10

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

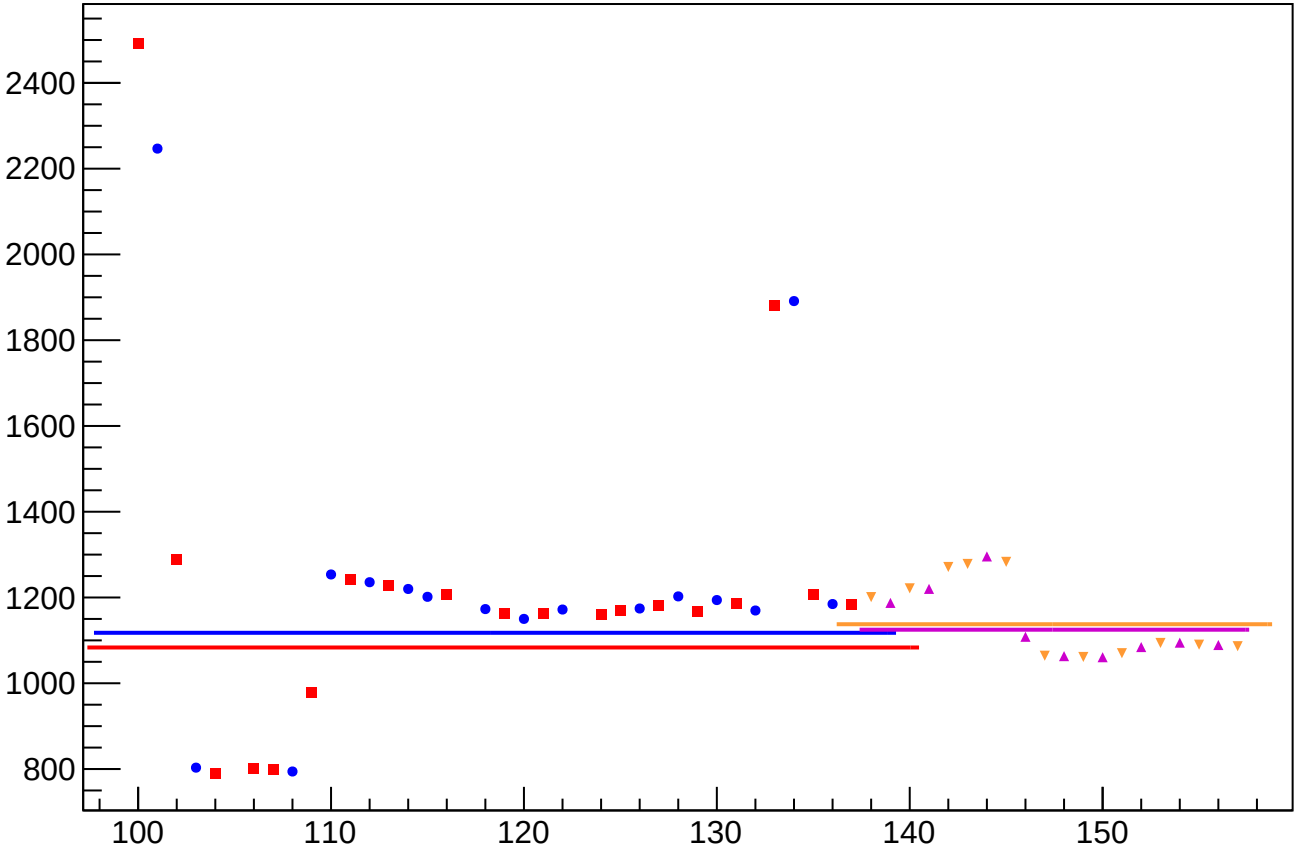
Left In: 473.352+/-402.544 χ^2/NDF:3.2/8

+ sign 201.028+/-286.867 χ^2/NDF: 35.2/26

All: 249.488+/-203.152 χ^2/NDF: 52.0/54

- sign 298.243+/-287.736 χ^2/NDF: 16.7/27

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1137.649+/-0.274 χ^2/NDF:95331.2/10

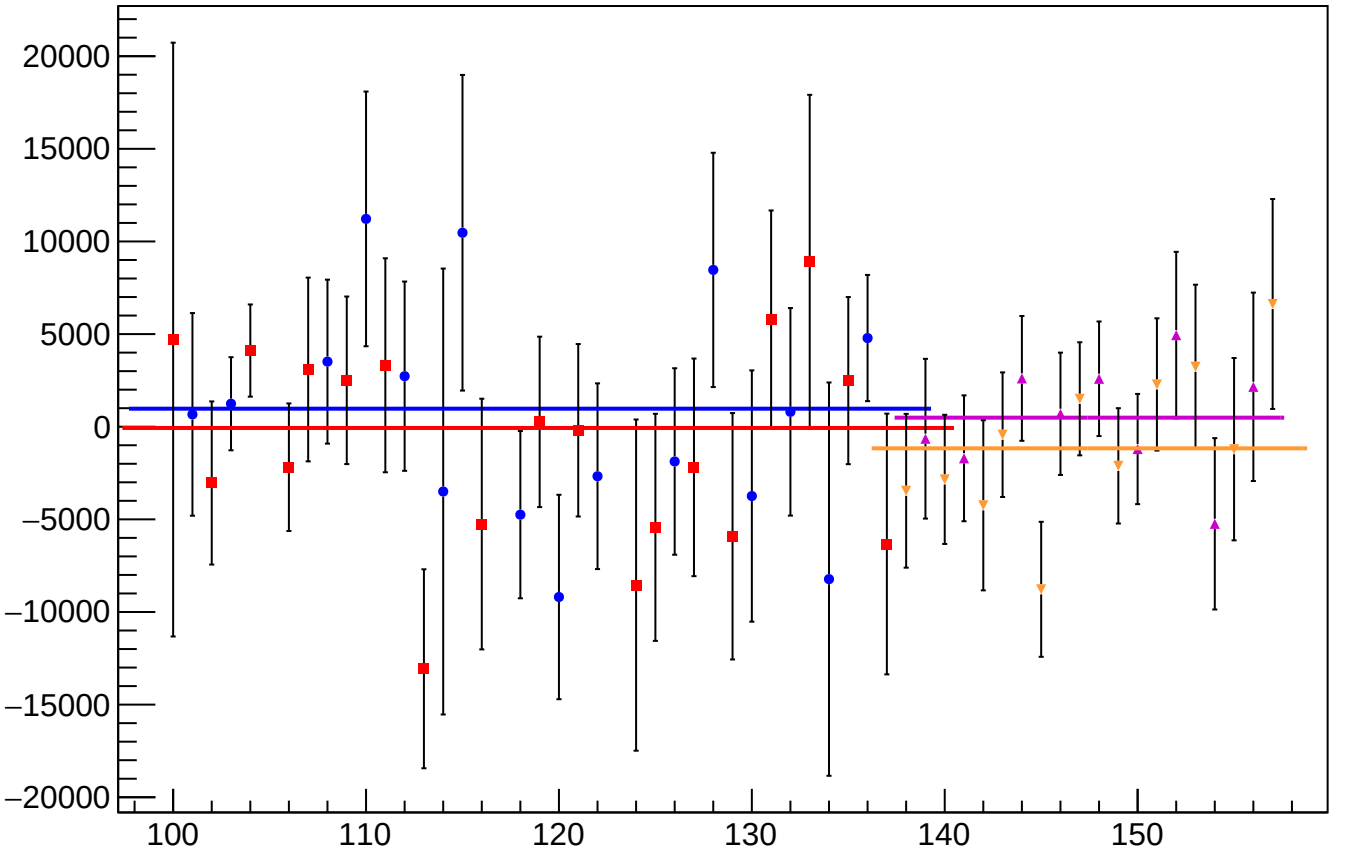
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1124.890+/-0.285 χ^2/NDF:64915.9/8

+ sign 1128.654+/-0.203 χ^2/NDF: 917561.0/26

All: 1116.637+/-0.144 χ^2/NDF: 1594929.1/54

- sign 1104.569+/-0.203 χ^2/NDF: 670333.5/27



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1165.801+/-1143.973 χ^2/NDF:10.1/10

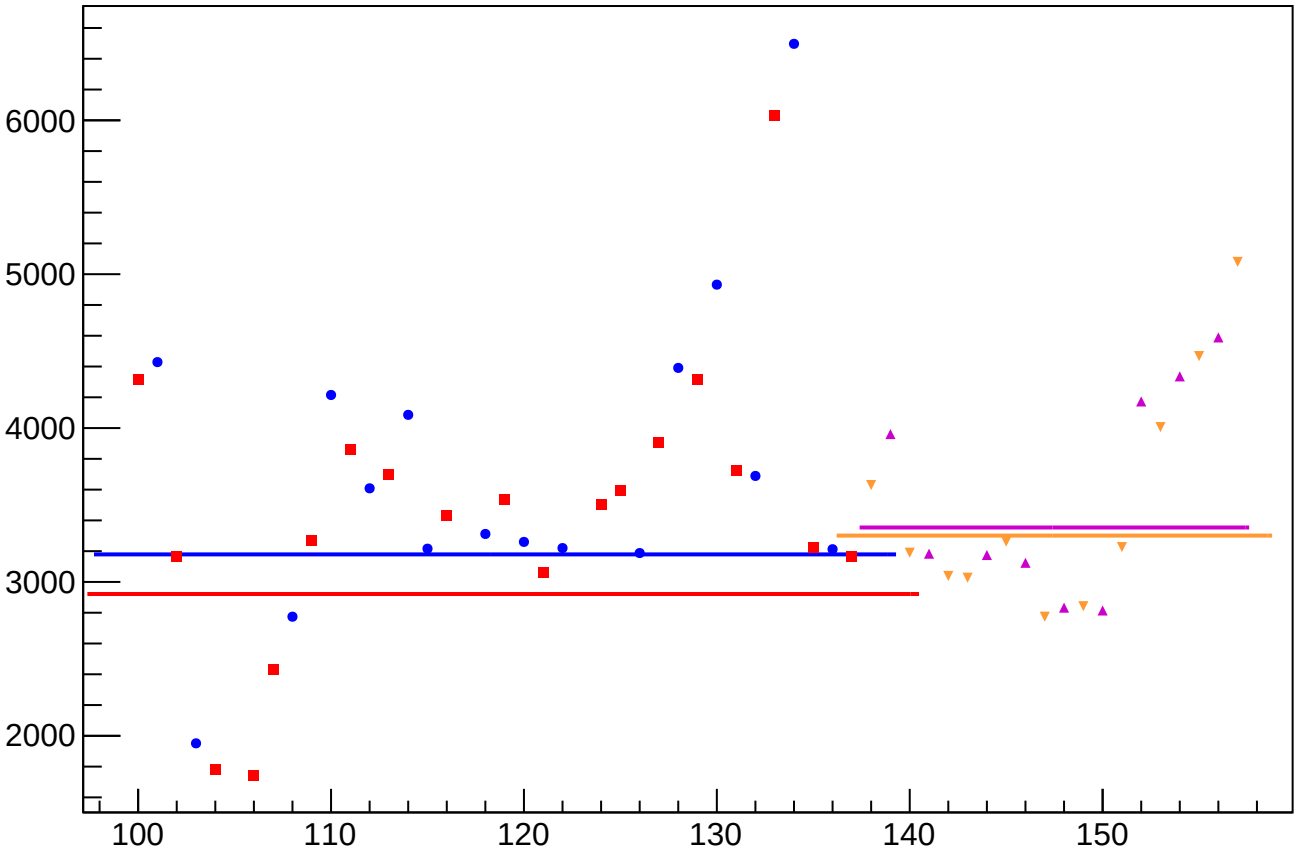
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 488.837+/-1219.174 χ^2/NDF:4.3/8

+ sign -176.106+/-838.558 χ^2/NDF: 25.5/26

All: 9.278+/-590.569 χ^2/NDF: 46.9/54

- sign 191.713+/-831.863 χ^2/NDF: 21.3/27



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3301.296+/-0.809 χ^2/NDF:498875.3/10

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

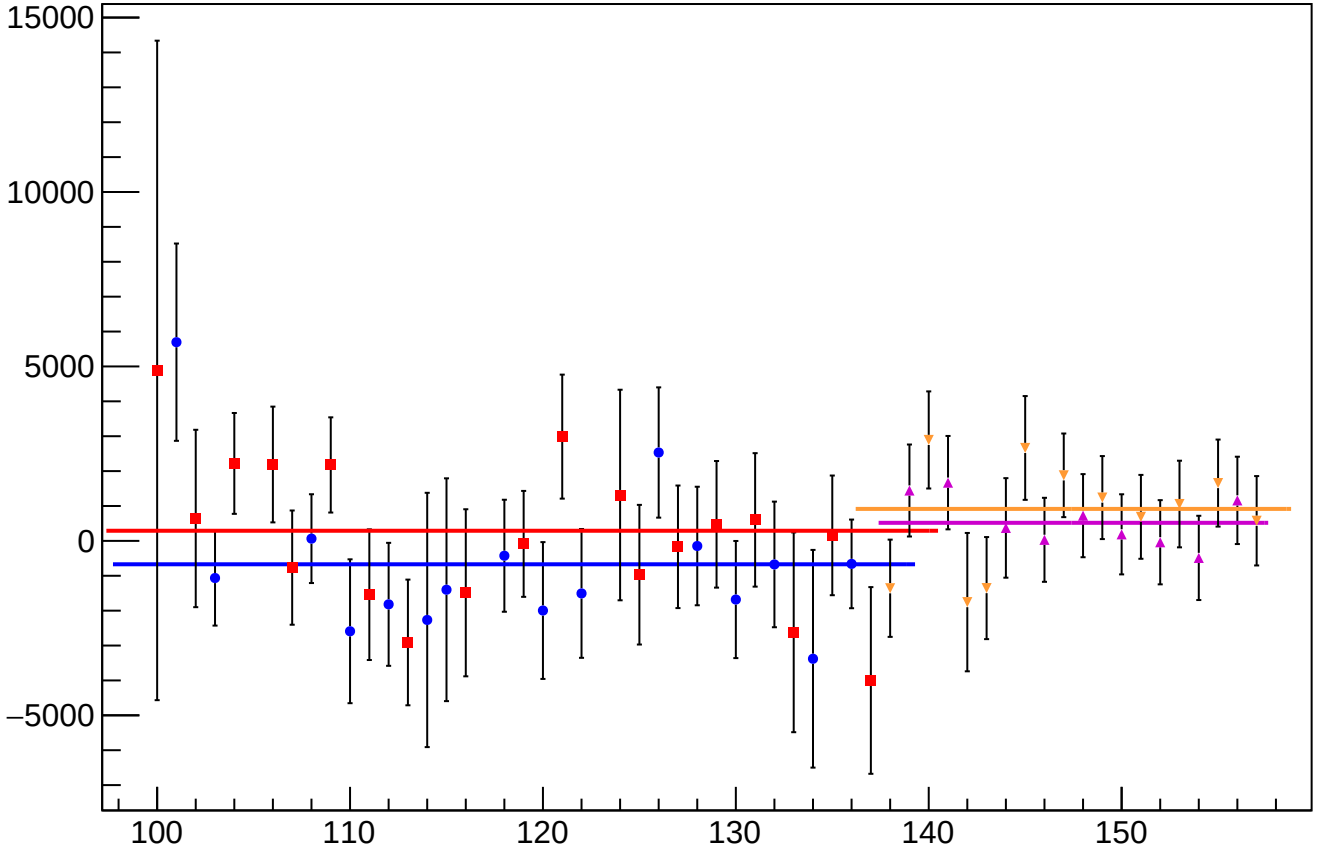
Left In: 3353.844+/-0.862 χ^2/NDF:457042.6/8

+ sign 3244.737+/-0.593 χ^2/NDF: 1600677.9/26

All: 3183.308+/-0.418 χ^2/NDF: 3526236.6/54

- sign 3122.856+/-0.588 χ^2/NDF: 1904263.7/27

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.458+/-401.602 χ^2/NDF:11.5/10

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

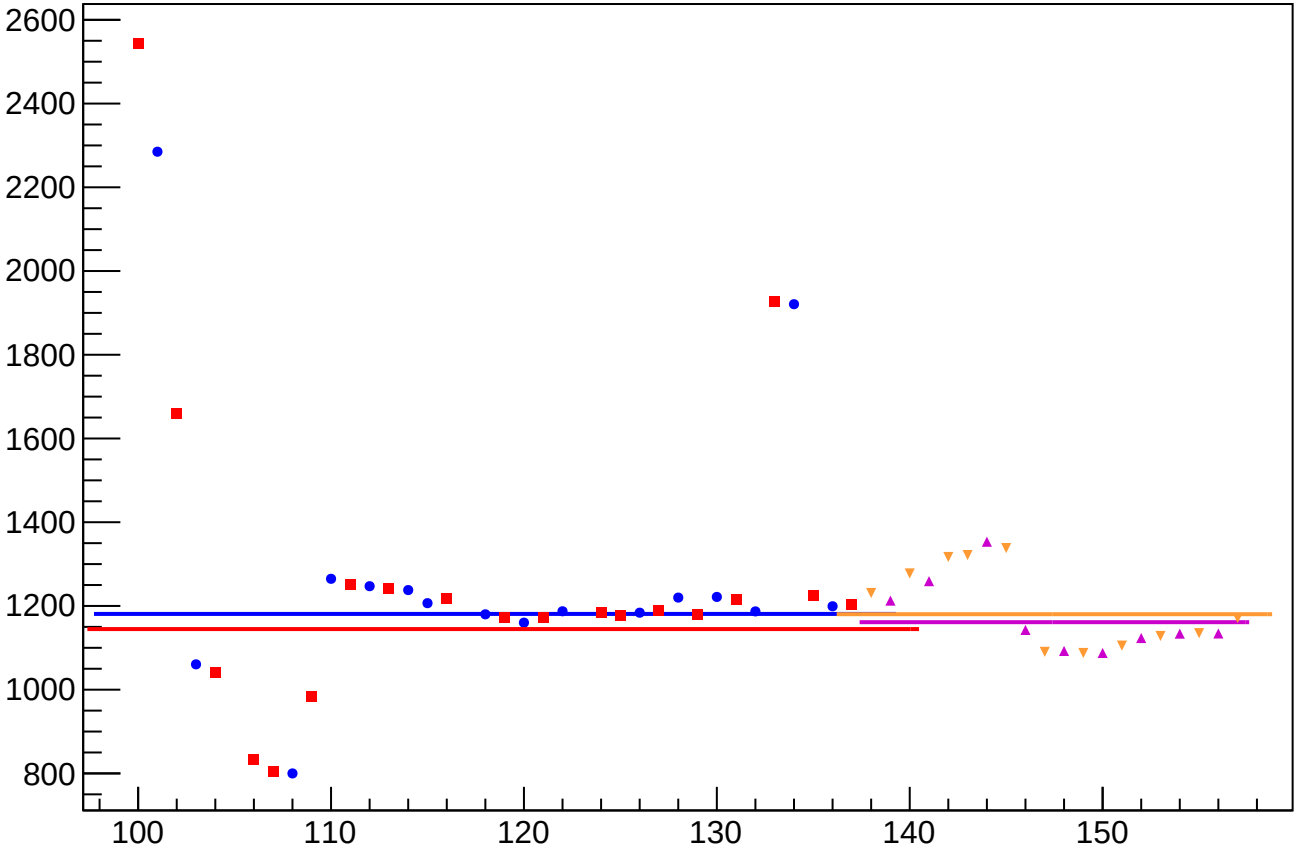
Left In: 517.701+/-415.625 χ^2/NDF:2.7/8

+ sign 210.120+/-299.187 χ^2/NDF: 30.3/26

All: 309.201+/-211.956 χ^2/NDF: 50.3/54

- sign 409.032+/-300.318 χ^2/NDF: 19.8/27

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1180.300+/-0.284 χ^2/NDF:100577.6/10

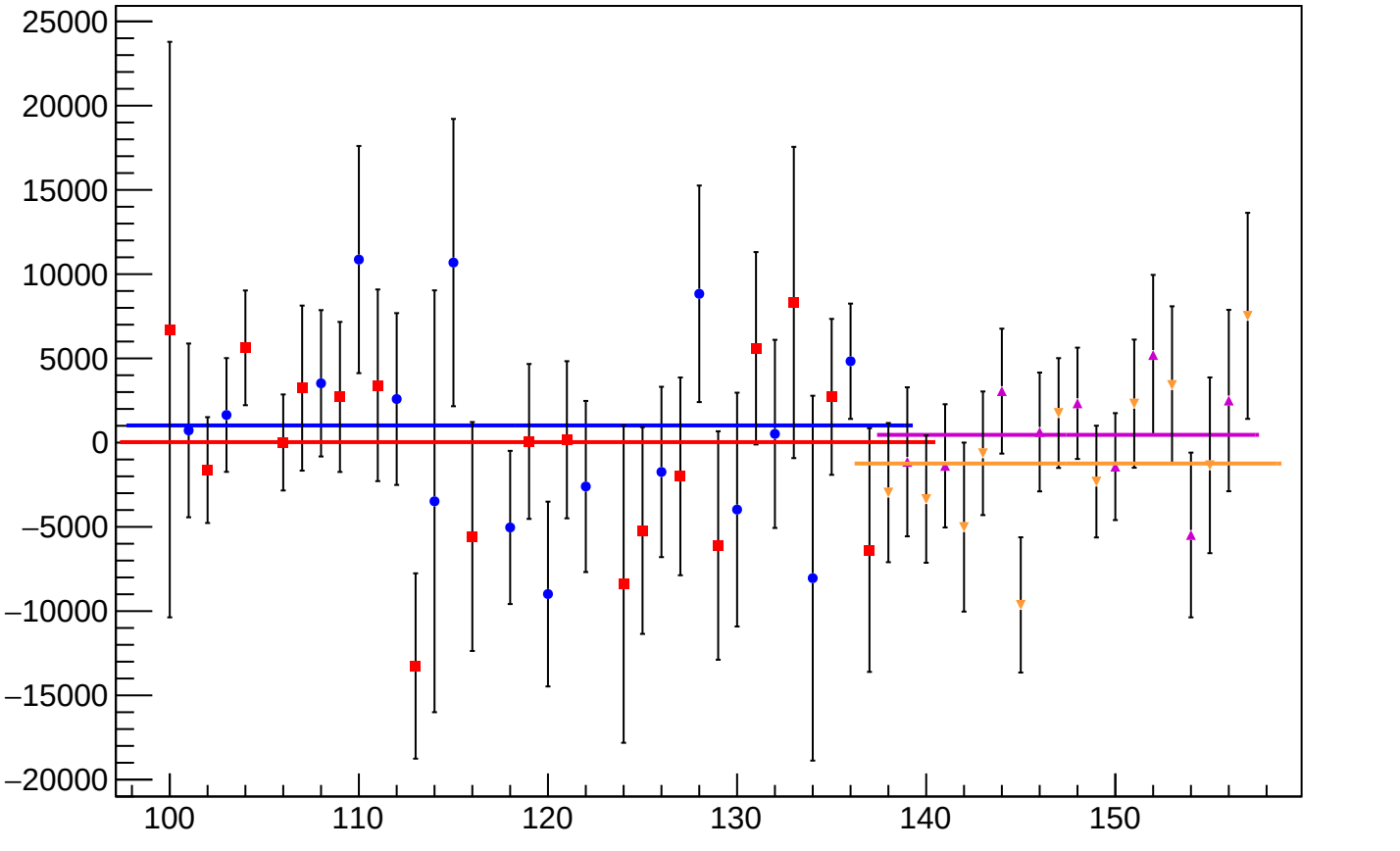
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1161.223+/-0.294 χ^2/NDF:69321.9/8

+ sign 1180.592+/-0.212 χ^2/NDF: 722458.6/26

All: 1167.024+/-0.150 χ^2/NDF: 1299263.6/54

- sign 1153.360+/-0.212 χ^2/NDF: 568549.8/27



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1240.529+/-1223.136 χ^2/NDF:10.3/10

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

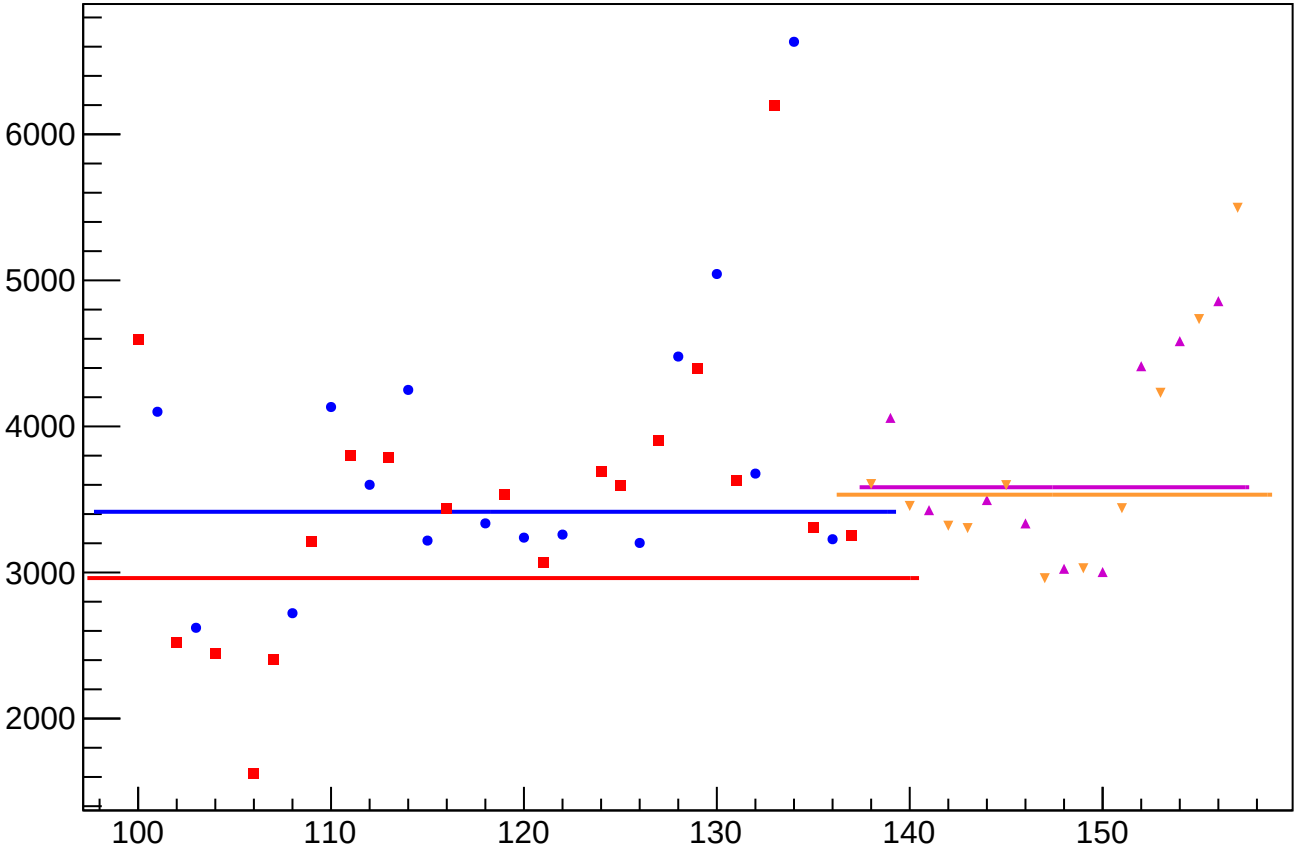
Left In: 460.576+/-1301.288 χ^2/NDF:4.2/8

+ sign -180.677+/-891.603 χ^2/NDF: 25.8/26

All: 25.956+/-616.557 χ^2/NDF: 46.3/54

- sign 215.319+/-853.528 χ^2/NDF: 20.4/27

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3532.662+/-0.865 χ^2/NDF:479577.0/10

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

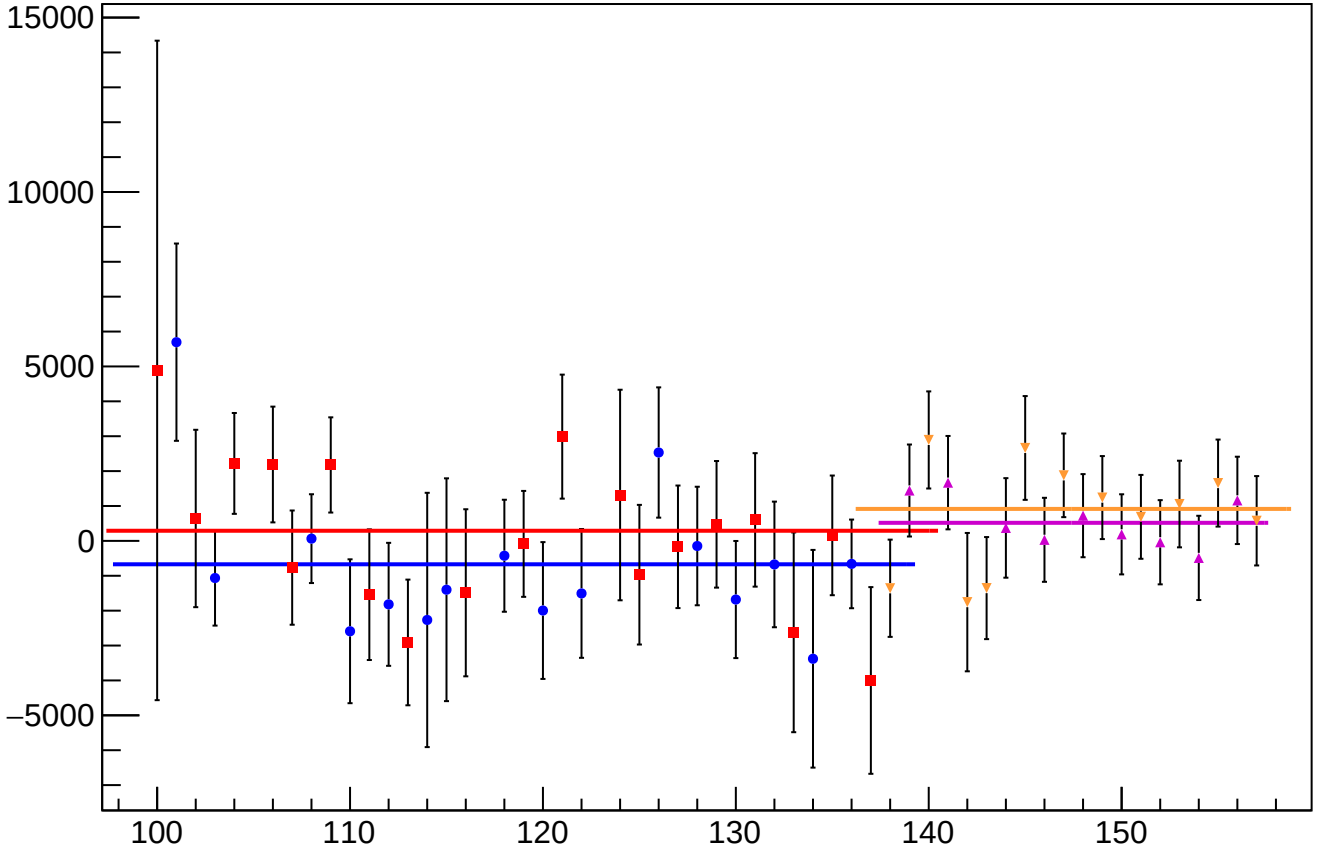
Left In: 3583.673+/-0.920 χ^2/NDF:418259.0/8

+ sign 3477.800+/-0.630 χ^2/NDF: 1080506.9/26

All: 3348.152+/-0.436 χ^2/NDF: 3009319.4/54

- sign 3229.340+/-0.604 χ^2/NDF: 1847770.6/27

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 916.462+/-401.602 χ^2/NDF:11.5/10

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

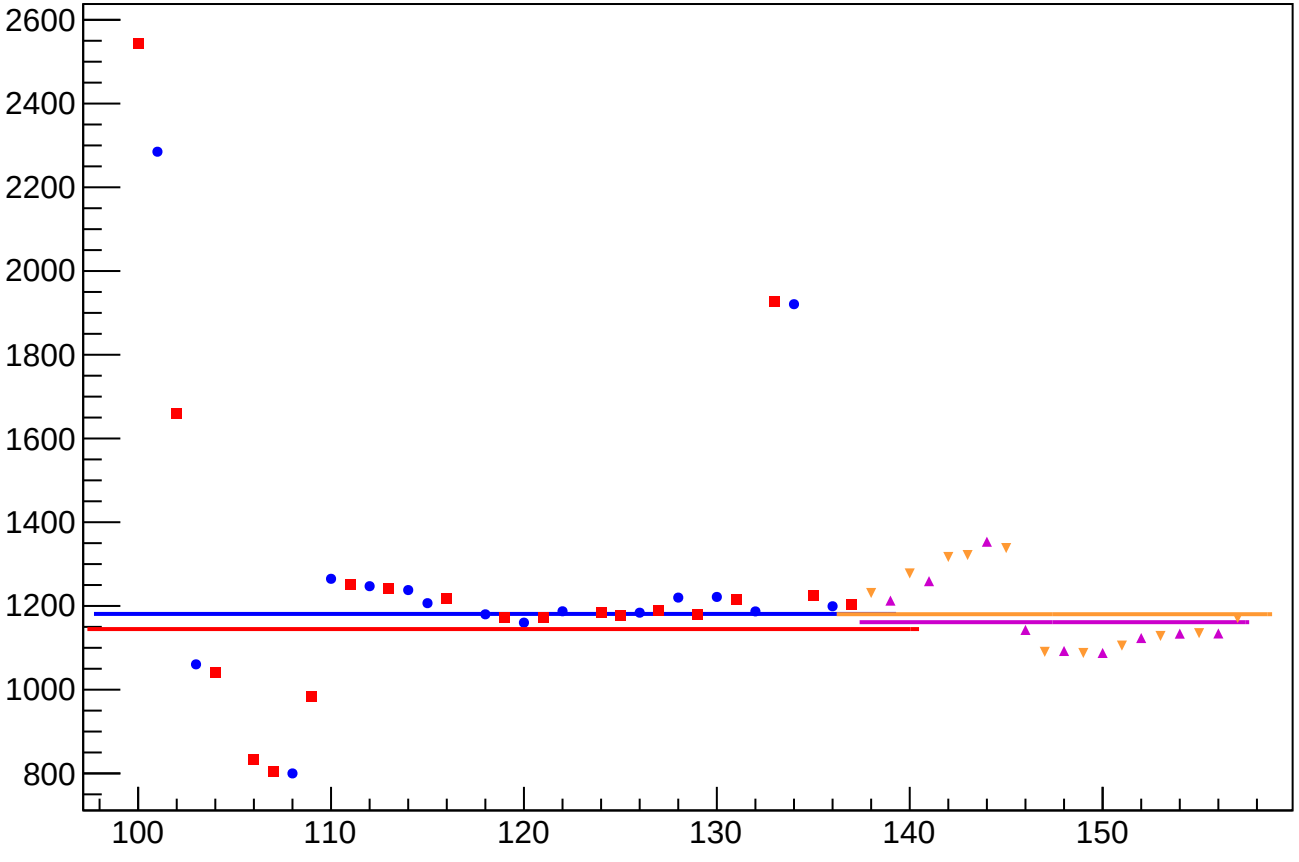
Left In: 517.697+/-415.625 χ^2/NDF:2.7/8

+ sign 210.120+/-299.187 χ^2/NDF: 30.3/26

All: 309.202+/-211.956 χ^2/NDF: 50.3/54

- sign 409.033+/-300.318 χ^2/NDF: 19.8/27

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1180.301+/-0.284 χ^2/NDF:100577.8/10

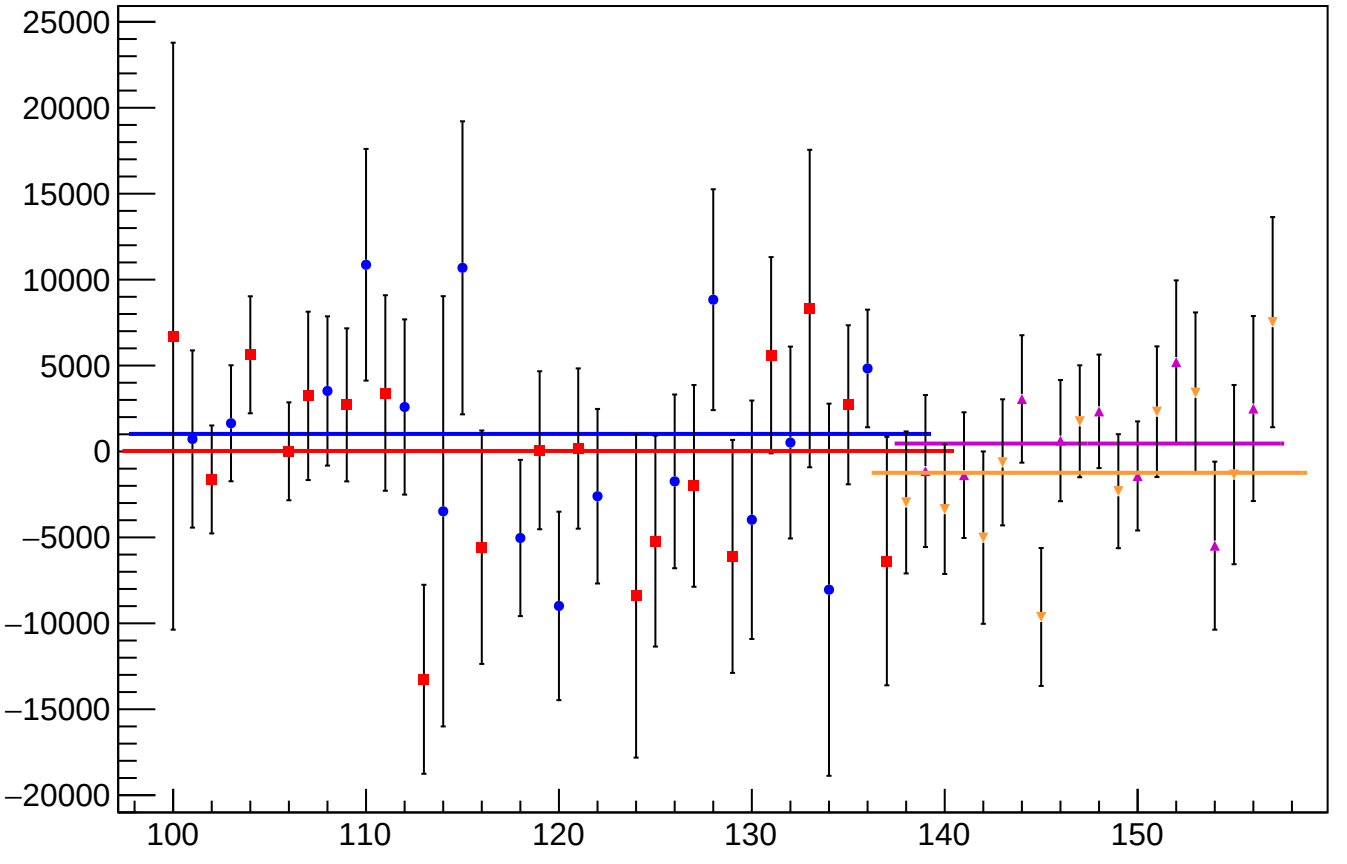
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1161.223+/-0.294 χ^2/NDF:69321.6/8

+ sign 1180.592+/-0.212 χ^2/NDF: 722459.1/26

All: 1167.024+/-0.150 χ^2/NDF: 1299263.4/54

- sign 1153.360+/-0.212 χ^2/NDF: 568549.2/27



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1240.526+/-1223.137 χ^2/NDF:10.3/10

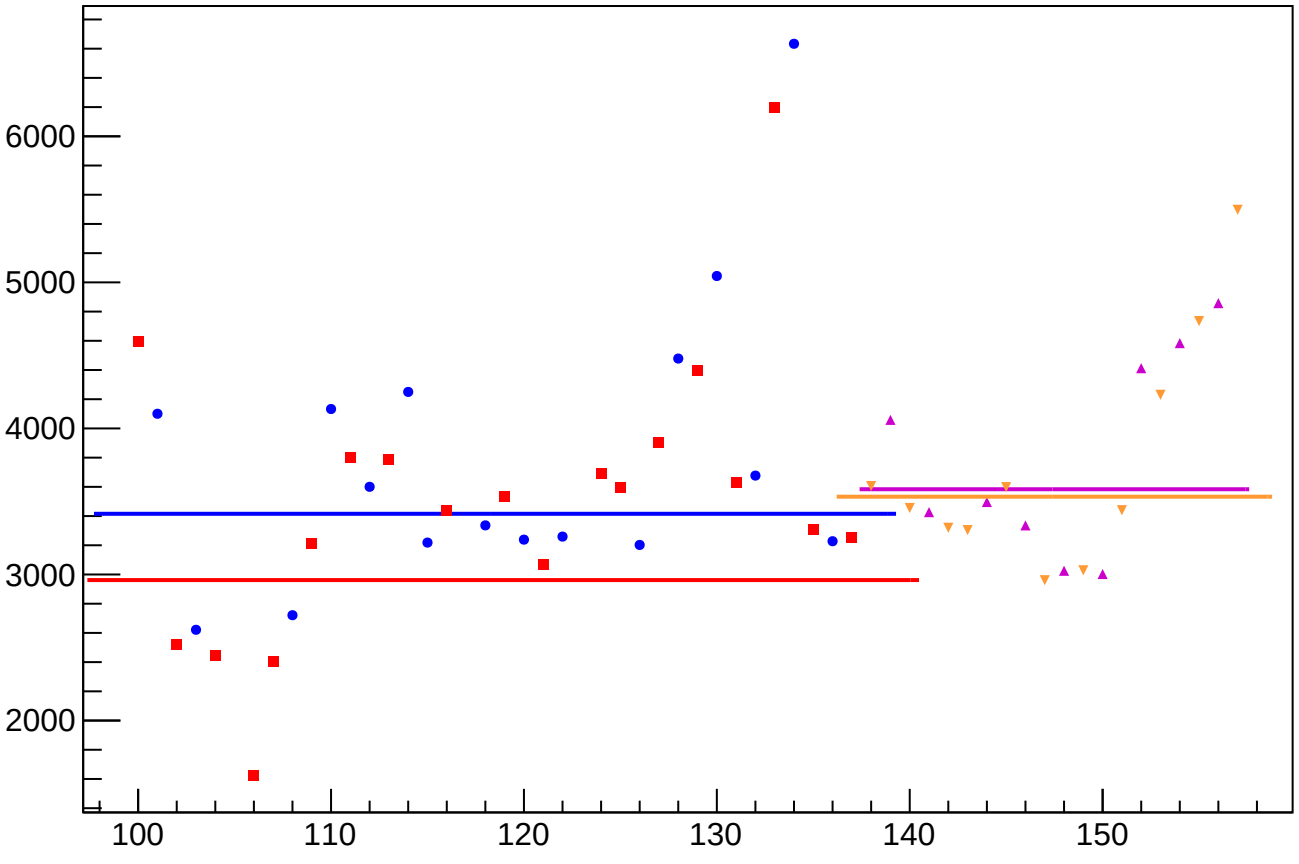
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 460.572+/-1301.289 χ^2/NDF:4.2/8

+ sign -180.682+/-891.603 χ^2/NDF: 25.8/26

All: 25.955+/-616.557 χ^2/NDF: 46.3/54

- sign 215.320+/-853.528 χ^2/NDF: 20.4/27



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3532.666+/-0.865 χ^2/NDF:479574.1/10

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

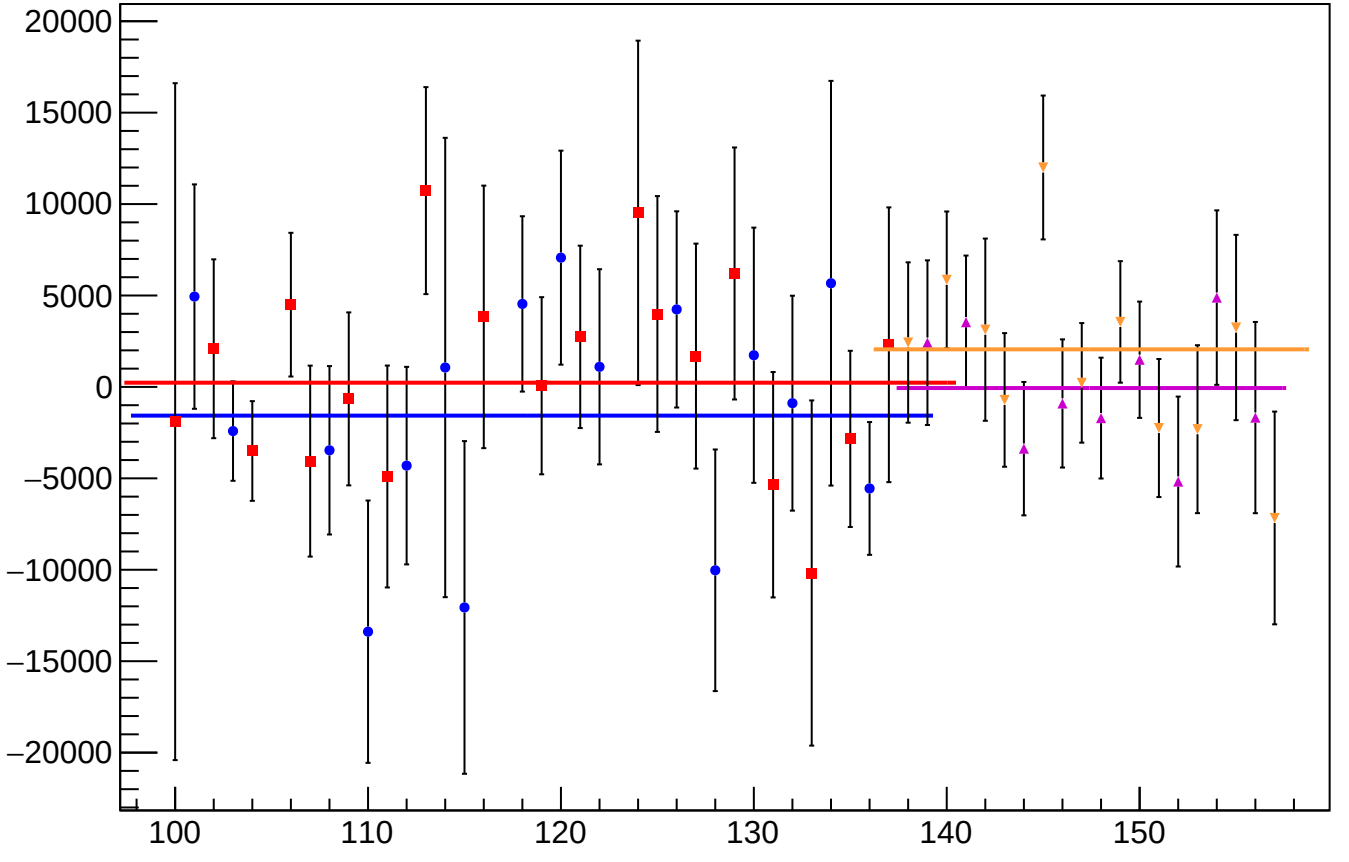
Left In: 3583.677+/-0.920 χ^2/NDF:418255.6/8

+ sign 3477.801+/-0.630 χ^2/NDF: 1080500.2/26

All: 3348.151+/-0.436 χ^2/NDF: 3009318.0/54

- sign 3229.338+/-0.604 χ^2/NDF: 1847774.4/27

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2055.156+/-1218.492 χ^2/NDF:13.3/10

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

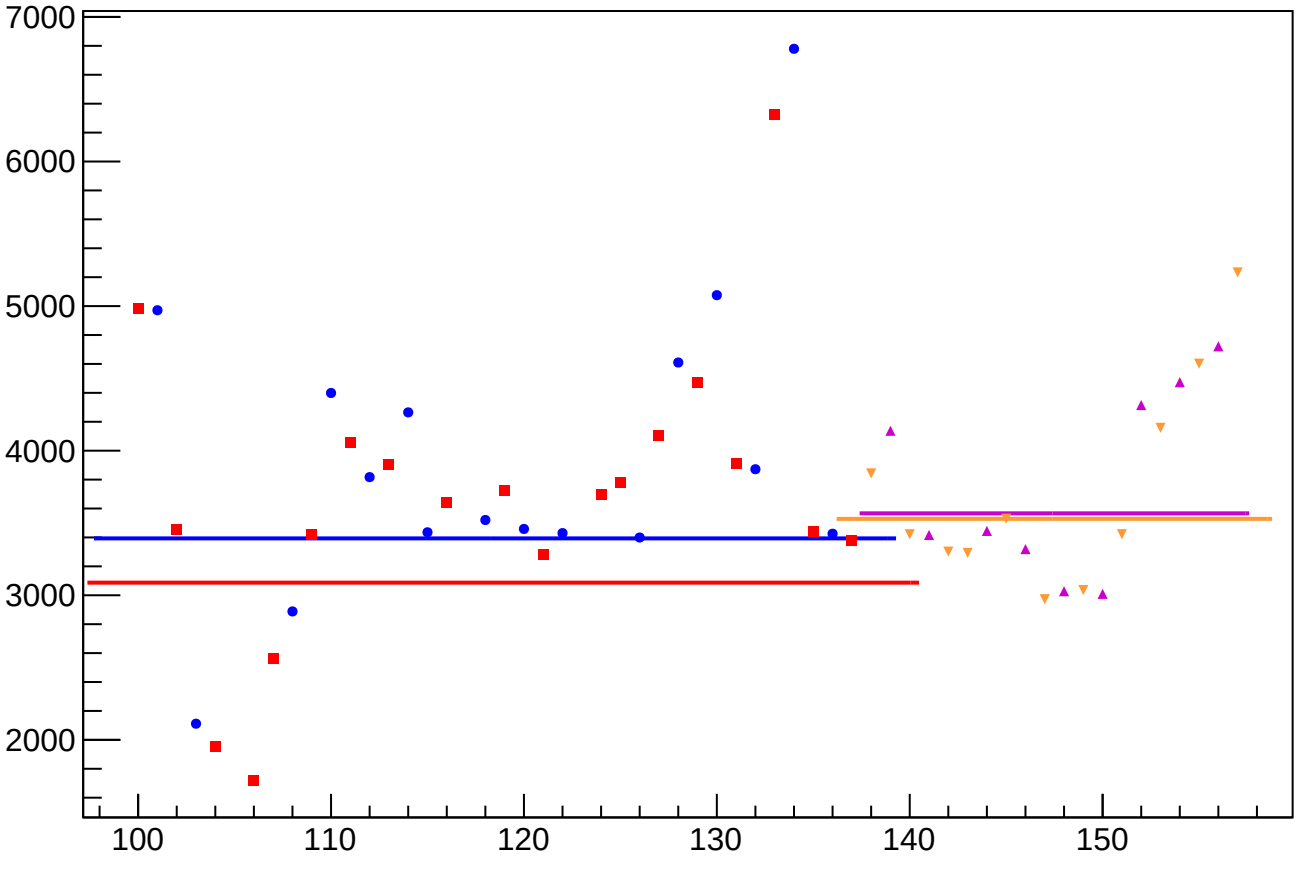
Left In: -61.319+/-1292.671 χ^2/NDF:5.0/8

\+ sign 377.729+/-893.128 χ^2/NDF: 31.9/26

All: 234.609+/-630.039 χ^2/NDF: 50.2/54

\- sign 92.839+/-888.906 χ^2/NDF: 18.3/27

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3528.496+/-0.862 χ^2/NDF:426569.6/10

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

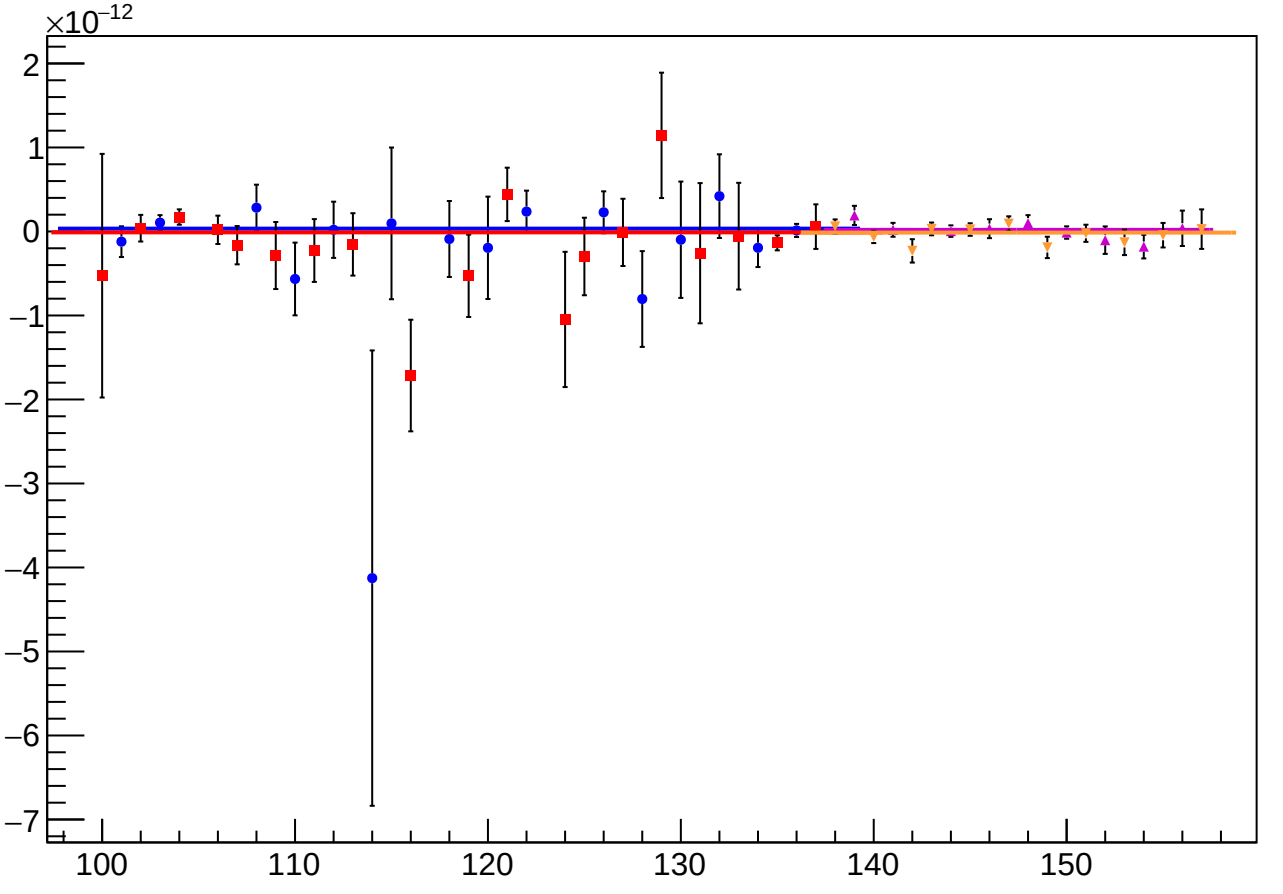
Left In: 3566.723+/-0.914 χ^2/NDF:384026.5/8

+ sign 3465.965+/-0.632 χ^2/NDF: 1486659.6/26

All: 3386.899+/-0.443 χ^2/NDF: 3377292.1/54

- sign 3309.972+/-0.623 χ^2/NDF: 1859708.4/27

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/10

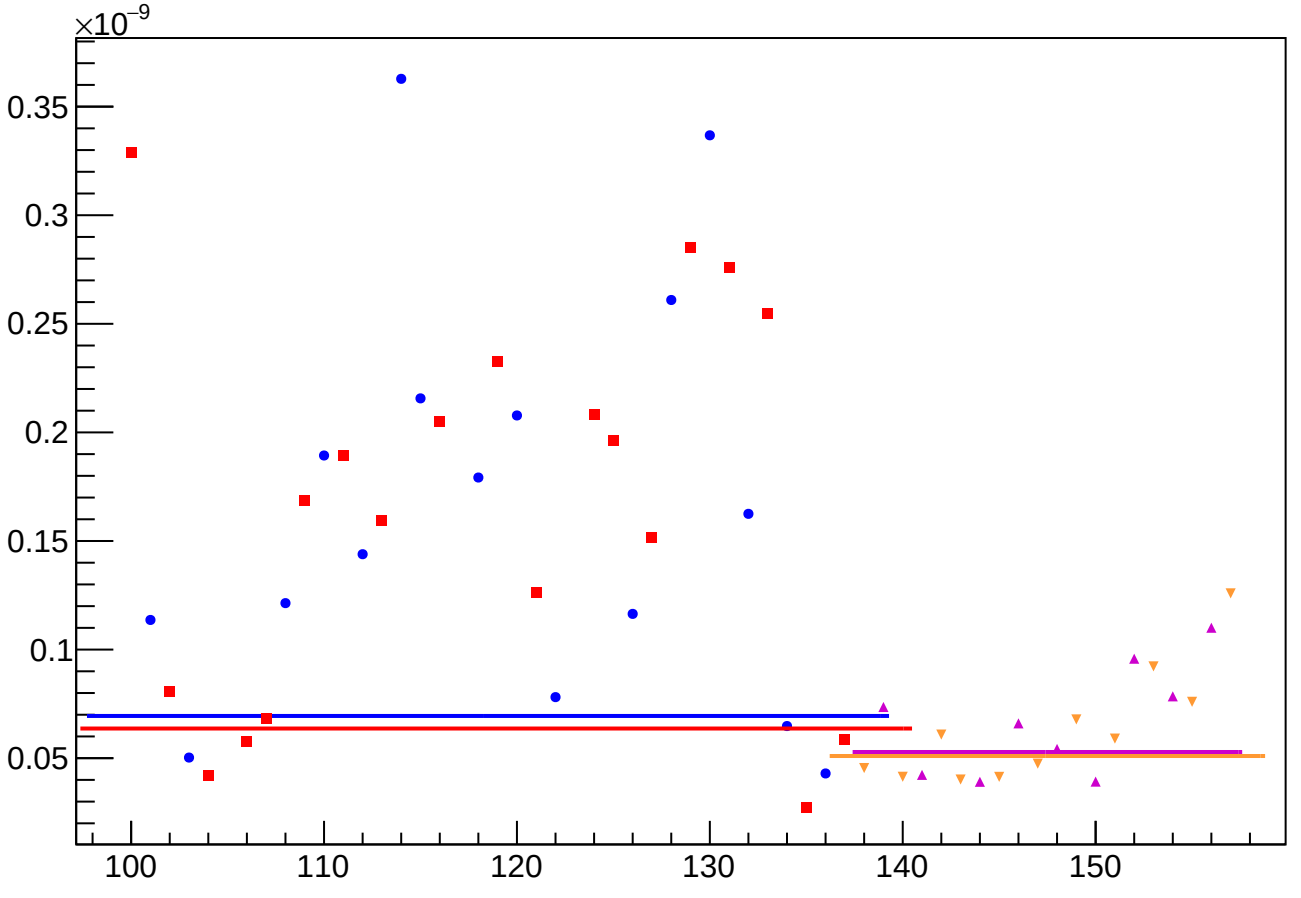
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/26

All: 0.000+/-0.000 χ^2/NDF: 48.9/54

- sign 0.000+/-0.000 χ^2/NDF: 27.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:586681.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

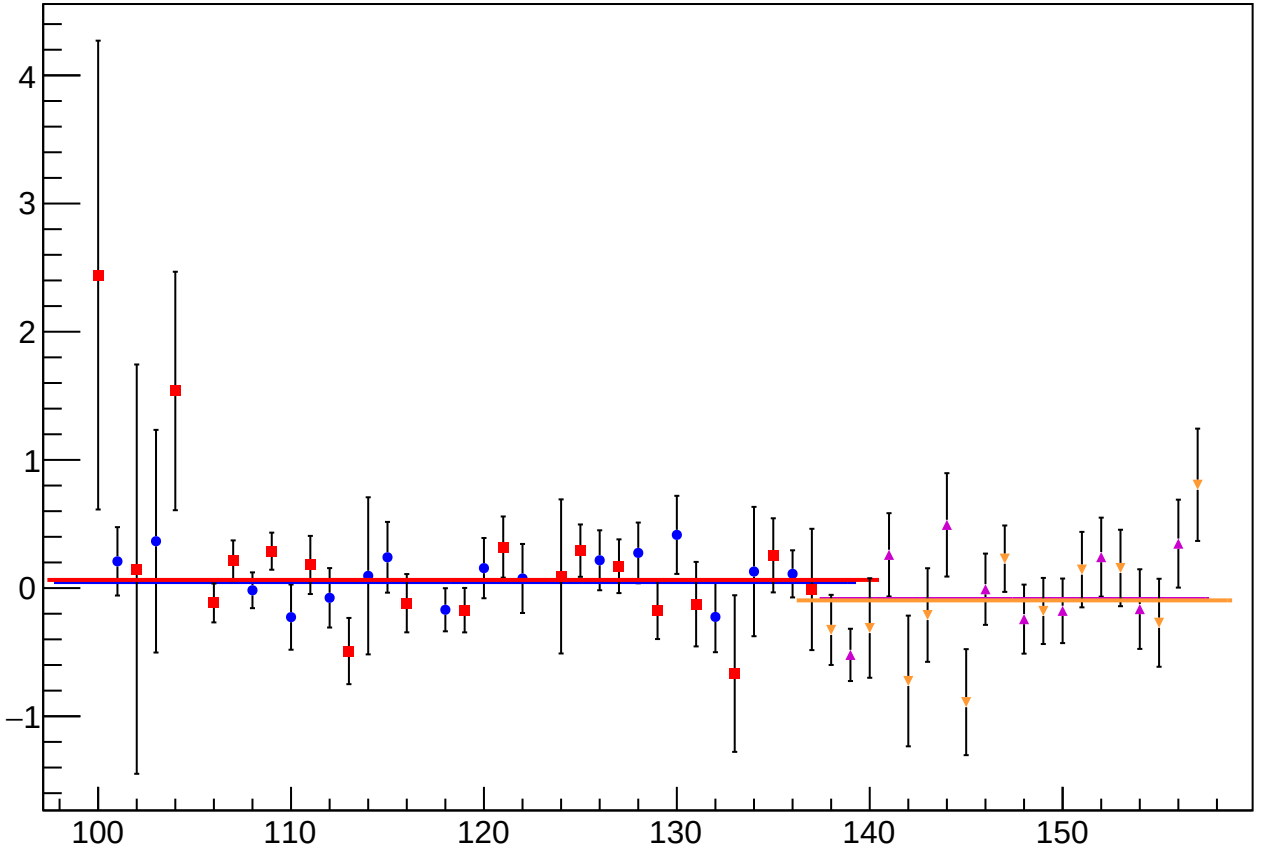
Left In: 0.000+/-0.000 χ^2/NDF:627198.7/8

\+ sign 0.000+/-0.000 χ^2/NDF: 2523596.7/26

All: 0.000+/-0.000 χ^2/NDF: 5467191.6/54

\- sign 0.000+/-0.000 χ^2/NDF: 2943542.2/27

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

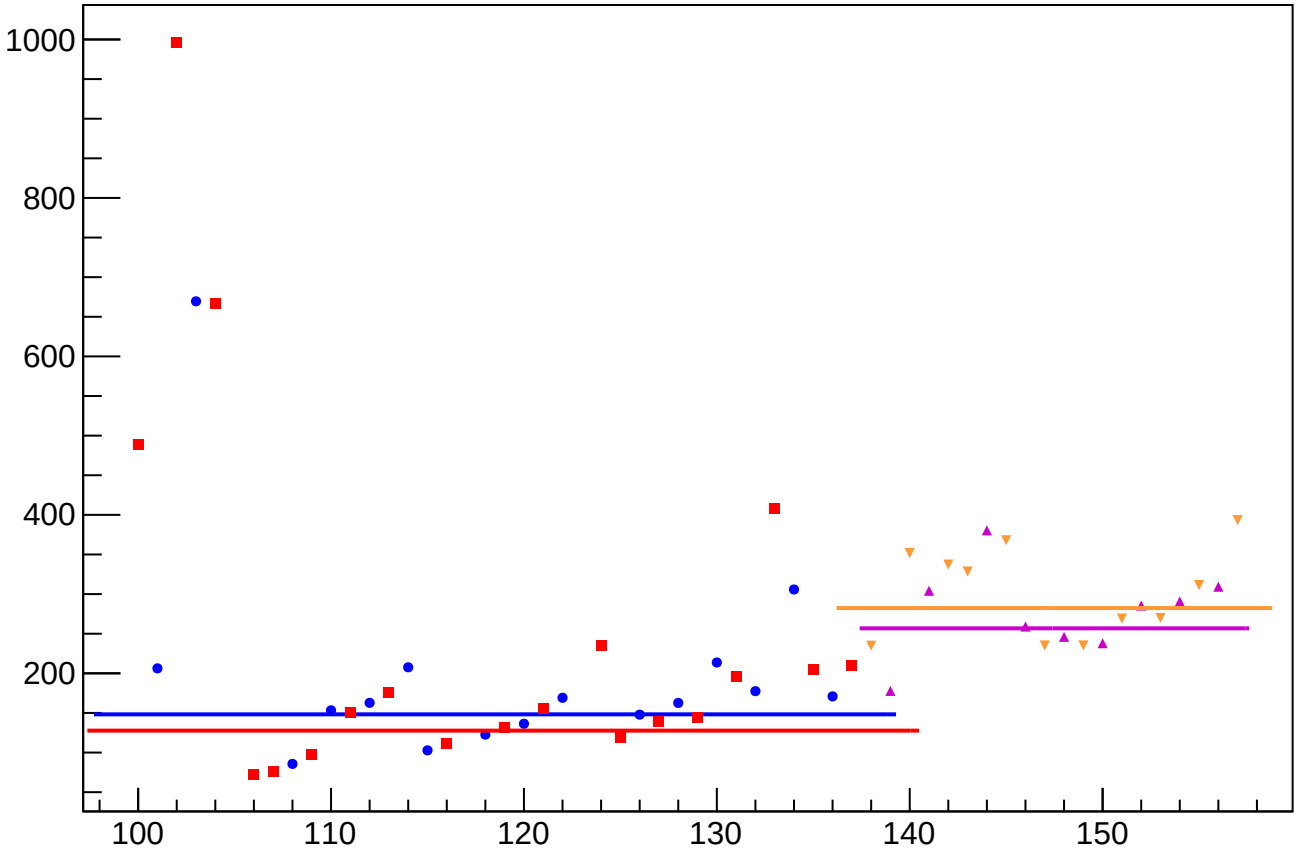
Left In: -0.085+/-0.095 χ^2/NDF:11.1/8

+ sign 0.008+/-0.051 χ^2/NDF: 24.0/26

All: 0.018+/-0.035 χ^2/NDF: 59.2/54

- sign 0.026+/-0.047 χ^2/NDF: 35.2/27

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

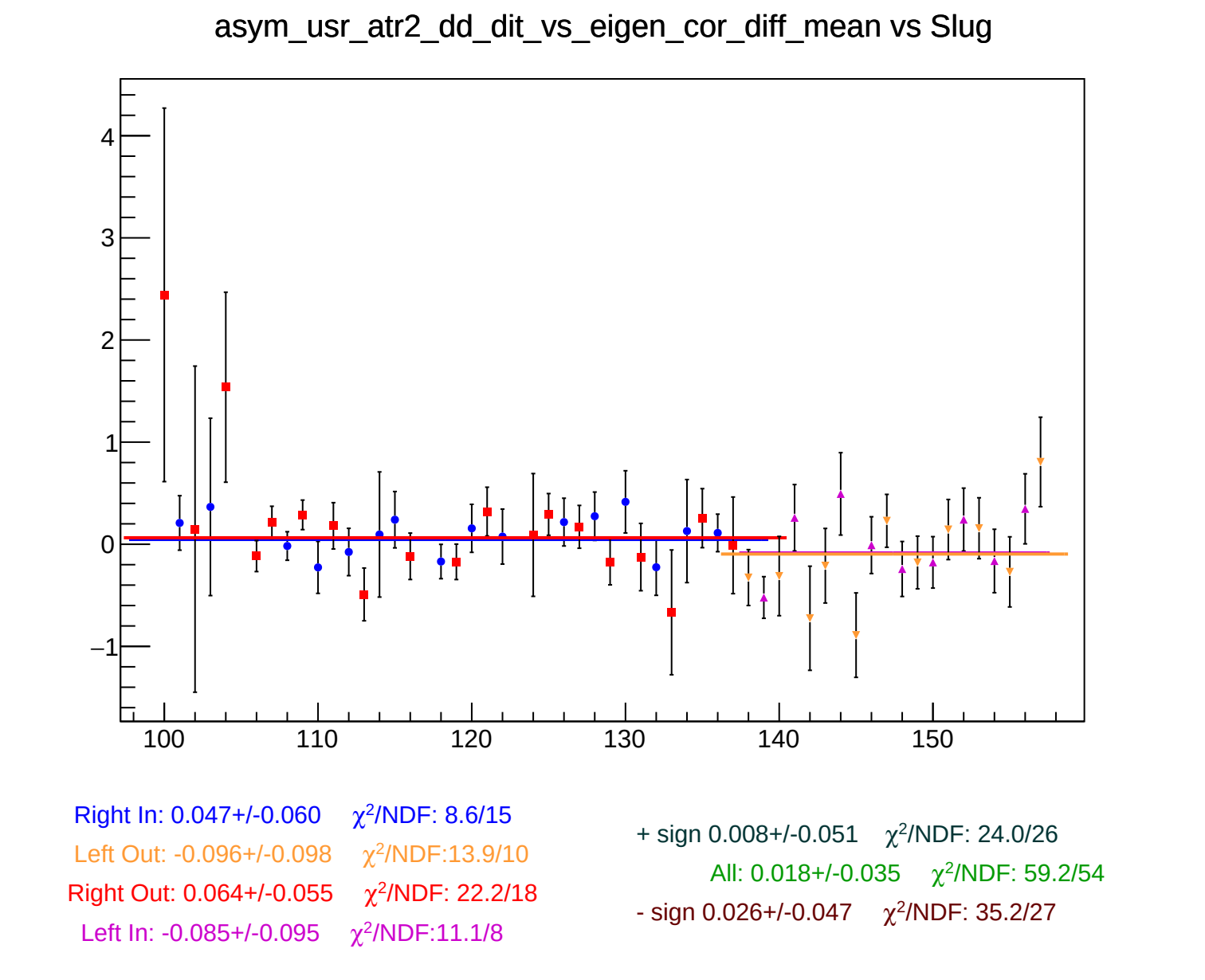
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 256.780+/-0.067 χ^2/NDF:633467.6/8

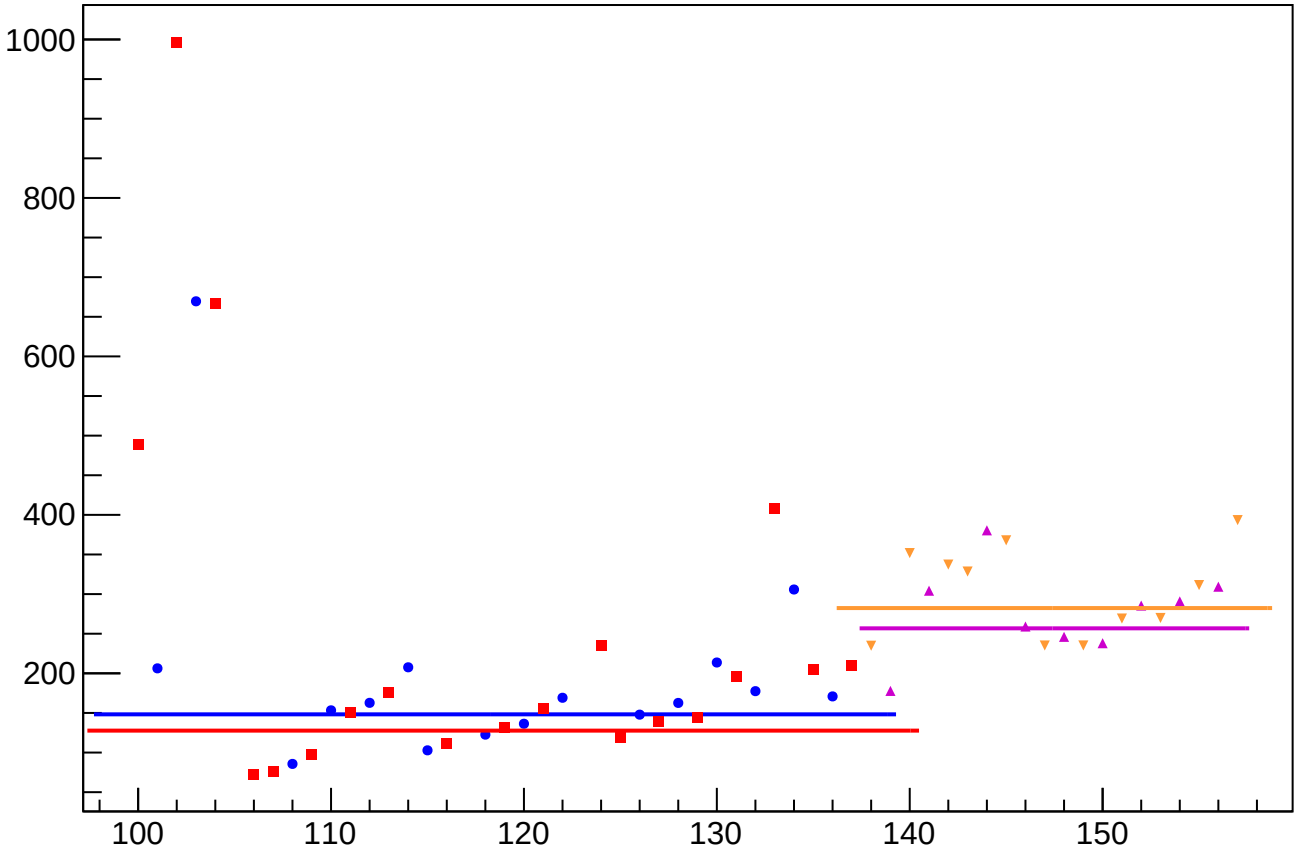
+ sign 184.707+/-0.036 χ^2/NDF: 4973305.3/26

All: 171.362+/-0.025 χ^2/NDF: 11488924.8/54

- sign 159.963+/-0.033 χ^2/NDF: 6263921.0/27


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.096+/-0.098 χ²/NDF:13.9/10
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.085+/-0.095 χ²/NDF:11.1/8
+ sign 0.008+/-0.051 χ²/NDF: 24.0/26
All: 0.018+/-0.035 χ²/NDF: 59.2/54
- sign 0.026+/-0.047 χ²/NDF: 35.2/27

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 282.365+/-0.069 χ^2/NDF:548620.4/10

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

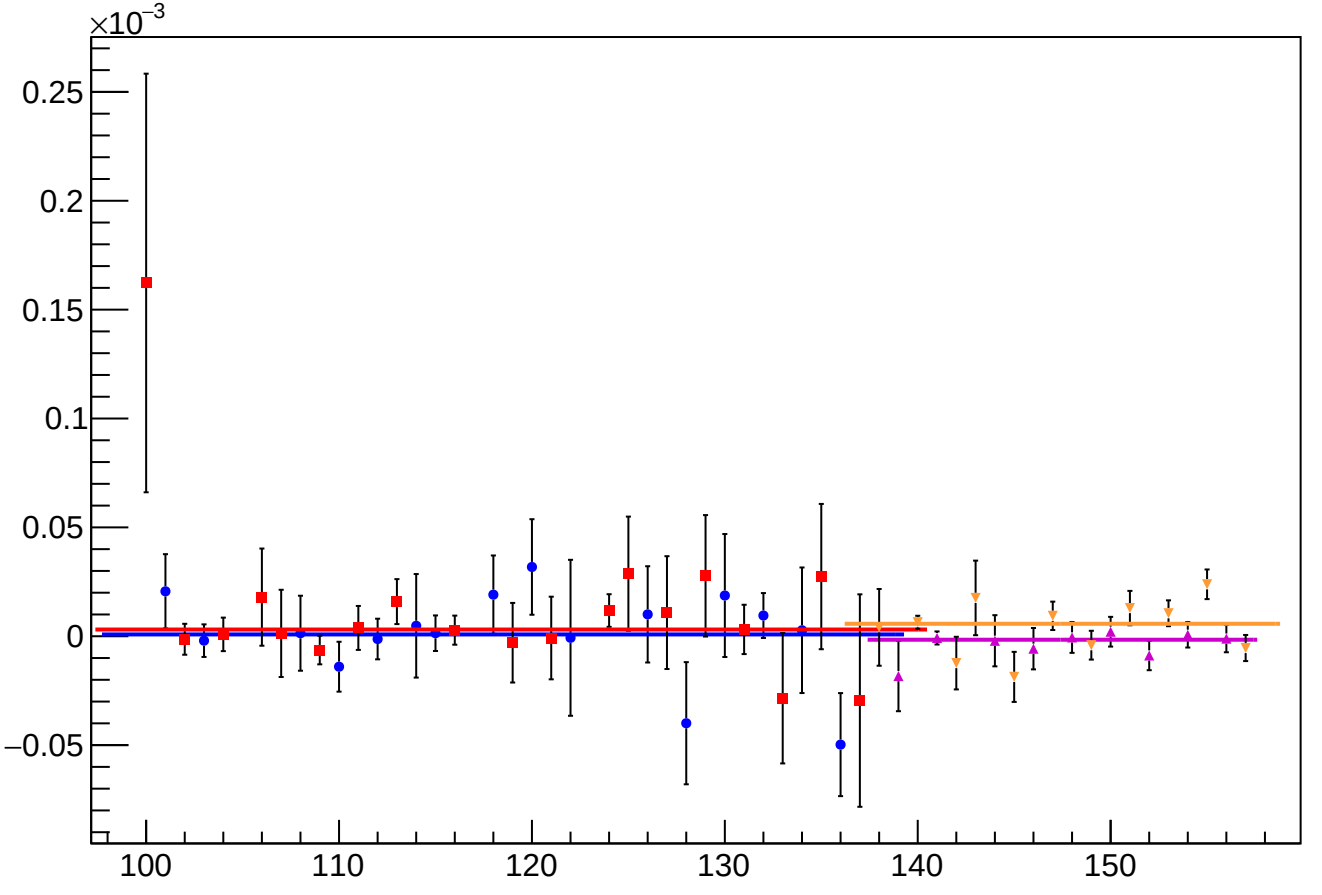
Left In: 256.780+/-0.067 χ^2/NDF:633467.6/8

+ sign 184.707+/-0.036 χ^2/NDF: 4973305.3/26

All: 171.362+/-0.025 χ^2/NDF: 11488924.8/54

- sign 159.963+/-0.033 χ^2/NDF: 6263921.0/27

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/10

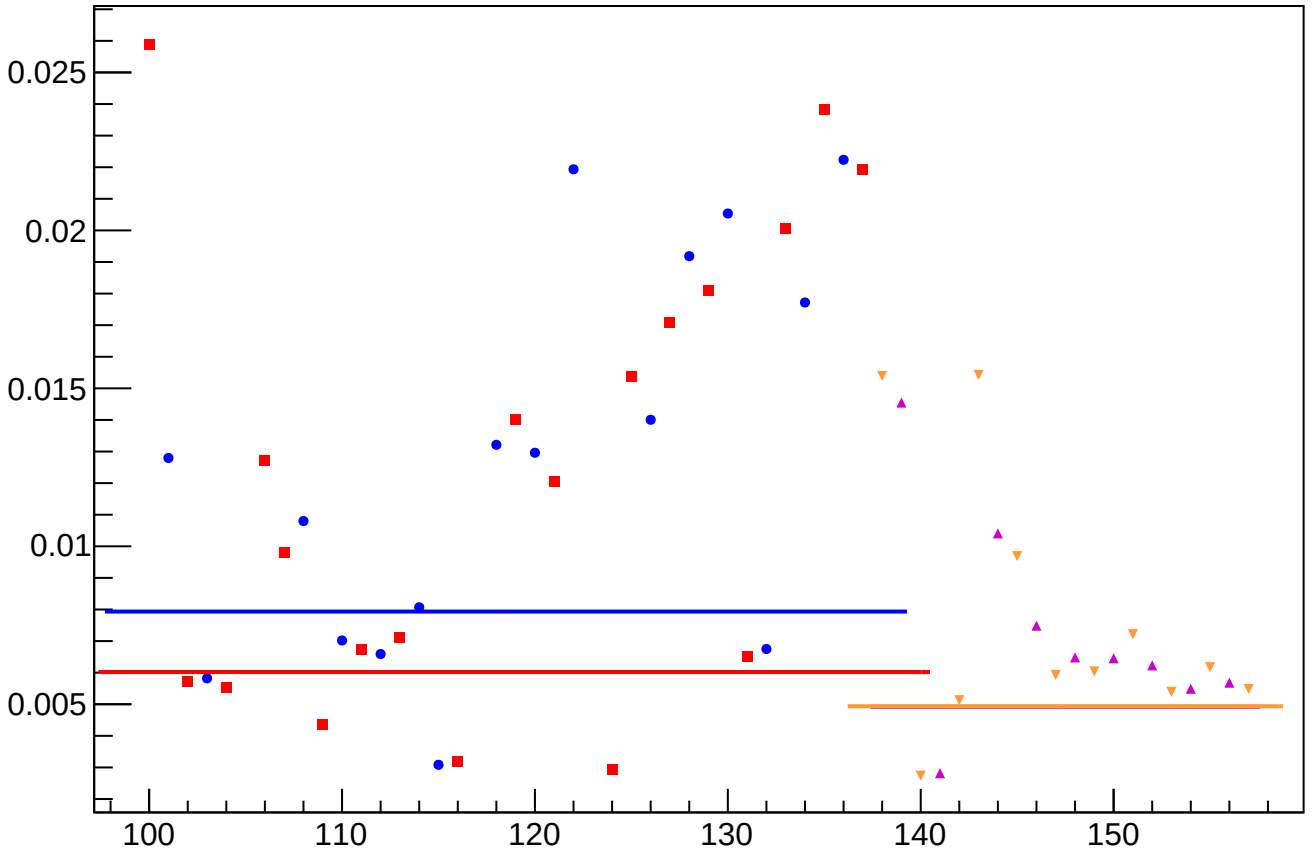
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 37.6/26

All: 0.000+/-0.000 χ^2/NDF: 59.0/54

- sign 0.000+/-0.000 χ^2/NDF: 17.6/27



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3241255.8/10

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

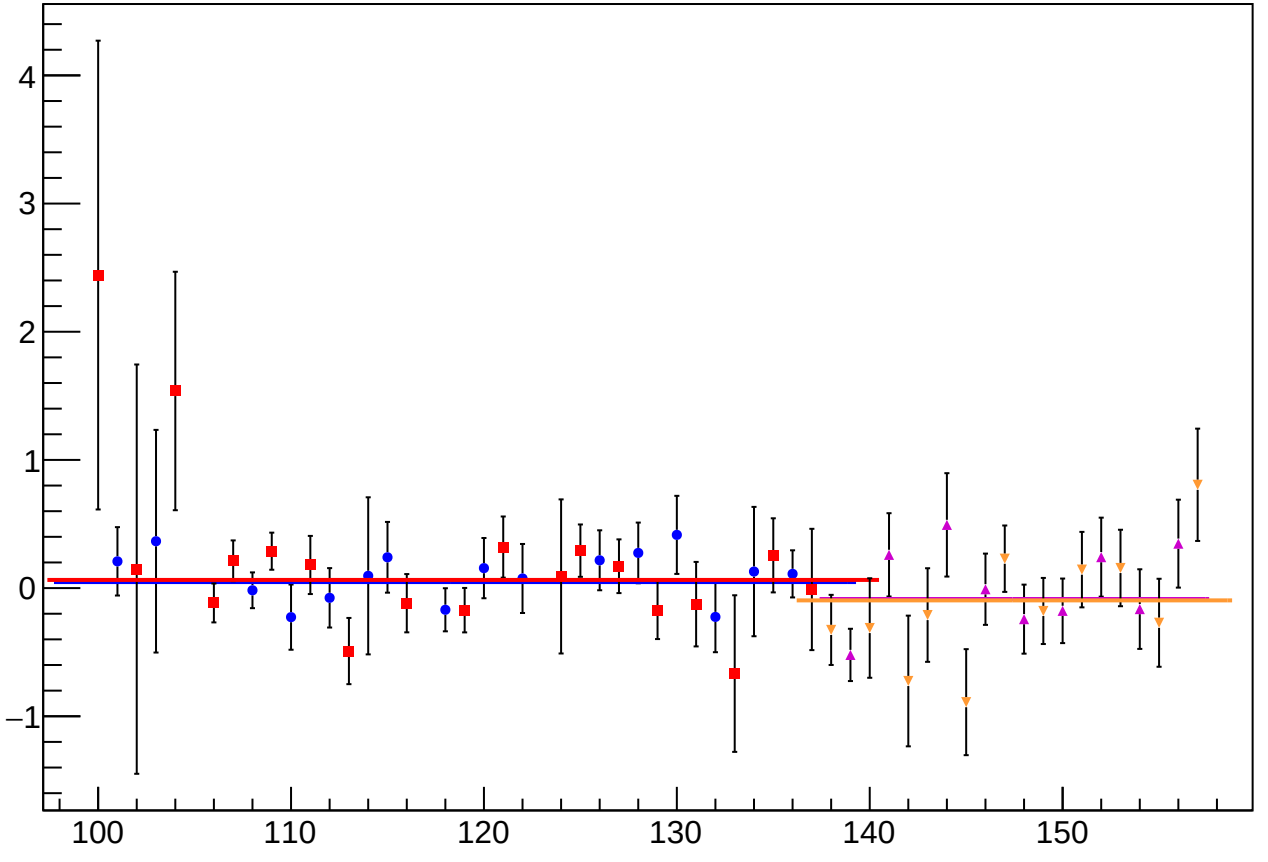
Left In: 0.005+/-0.000 χ^2/NDF:2597606.6/8

+ sign 0.006+/-0.000 χ^2/NDF: 7966818.9/26

All: 0.005+/-0.000 χ^2/NDF: 14833579.7/54

- sign 0.005+/-0.000 χ^2/NDF: 6829145.4/27

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.096+/-0.098 χ^2/NDF:13.9/10

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

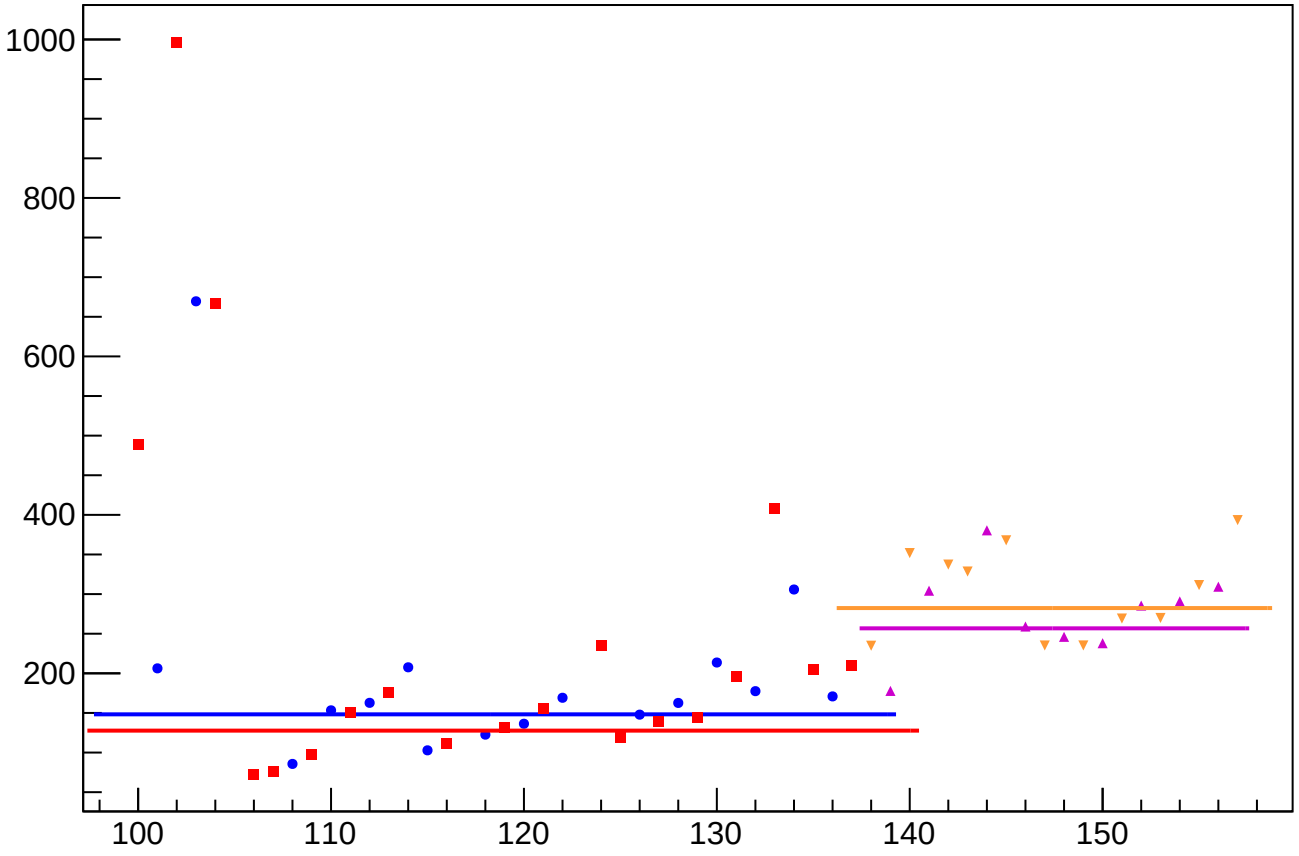
Left In: -0.085+/-0.095 χ^2/NDF:11.1/8

+ sign 0.008+/-0.051 χ^2/NDF: 24.0/26

All: 0.018+/-0.035 χ^2/NDF: 59.2/54

- sign 0.026+/-0.047 χ^2/NDF: 35.2/27

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 282.368+/-0.069 χ^2/NDF:548583.8/10

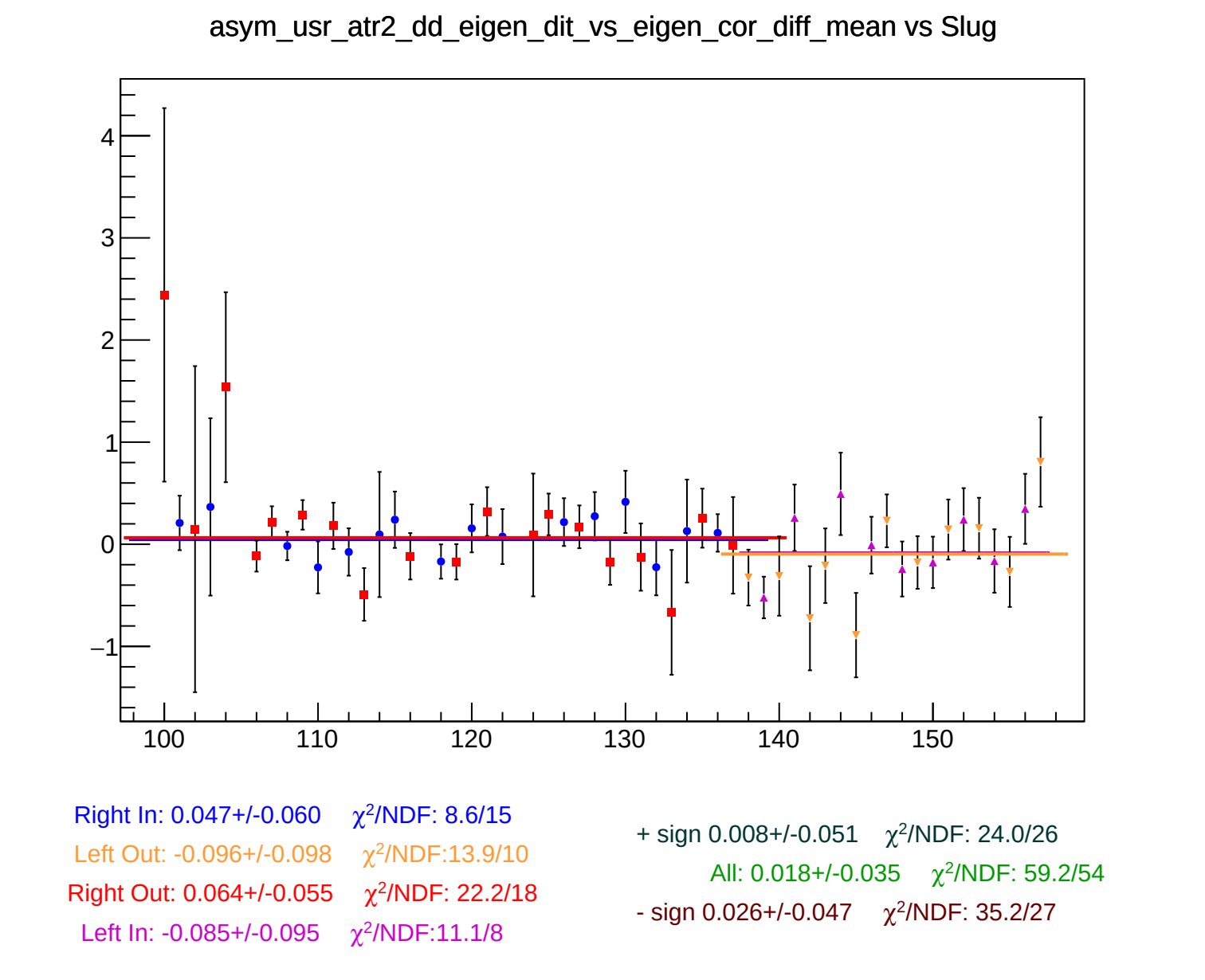
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

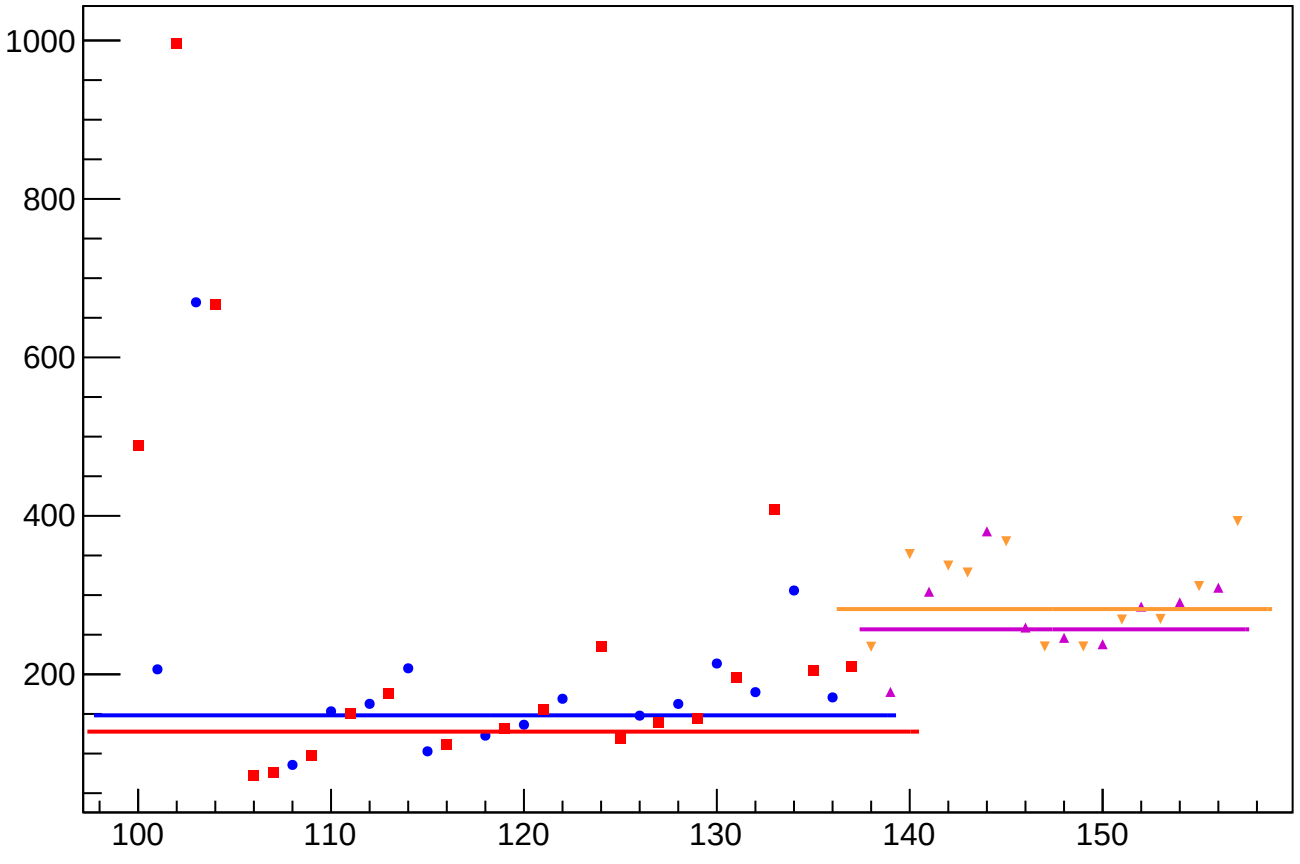
Left In: 256.783+/-0.067 χ^2/NDF:633420.9/8

+ sign 184.705+/-0.036 χ^2/NDF: 4973545.9/26

All: 171.362+/-0.025 χ^2/NDF: 11489136.9/54

- sign 159.964+/-0.033 χ^2/NDF: 6263941.1/27


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.096+/-0.098 χ²/NDF:13.9/10
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.085+/-0.095 χ²/NDF:11.1/8
+ sign 0.008+/-0.051 χ²/NDF: 24.0/26
All: 0.018+/-0.035 χ²/NDF: 59.2/54
- sign 0.026+/-0.047 χ²/NDF: 35.2/27



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 282.368+/-0.069 χ^2/NDF:548583.8/10

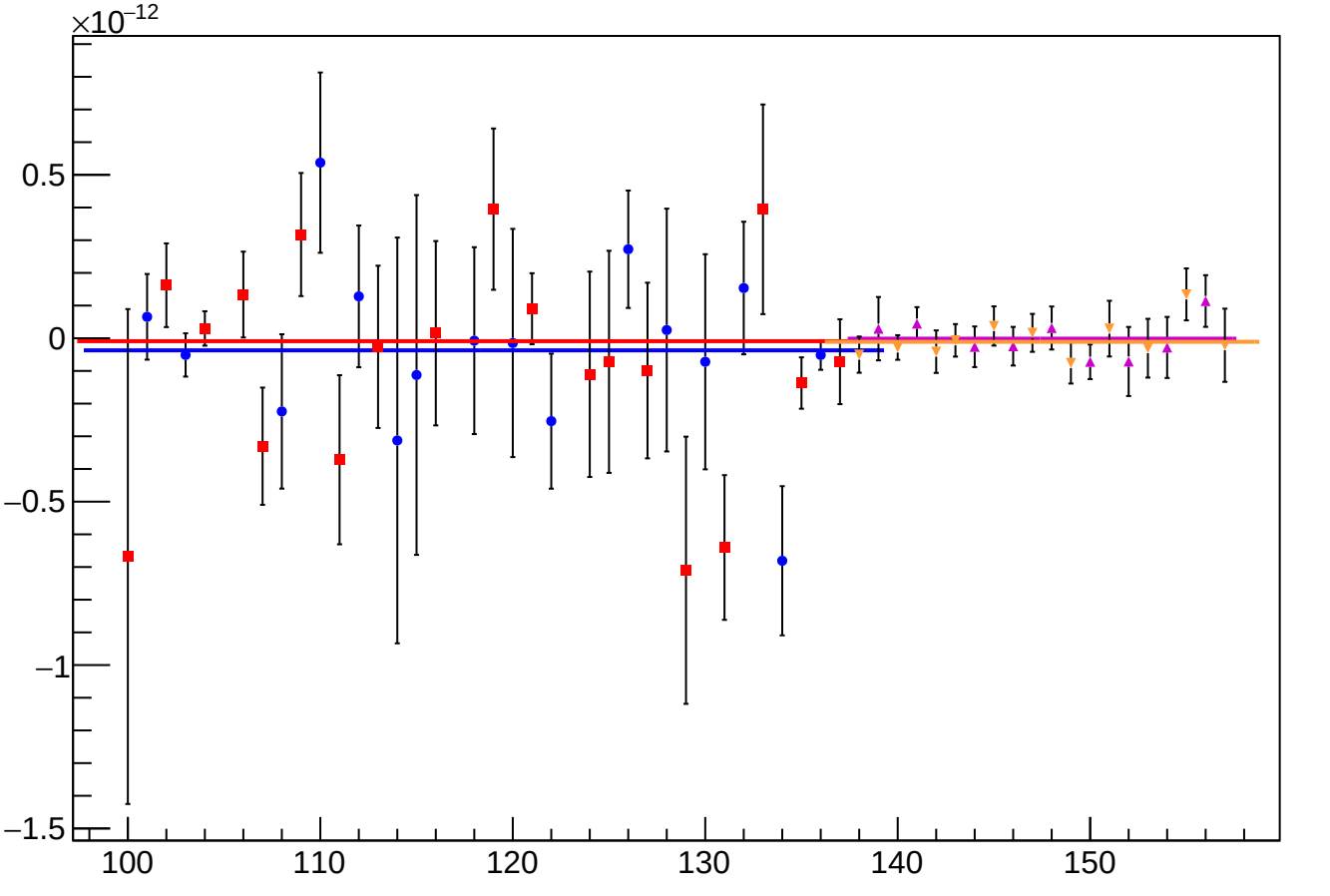
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 256.783+/-0.067 χ^2/NDF:633420.9/8

+ sign 184.705+/-0.036 χ^2/NDF: 4973545.9/26

All: 171.362+/-0.025 χ^2/NDF: 11489136.9/54

- sign 159.964+/-0.033 χ^2/NDF: 6263941.1/27



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/10

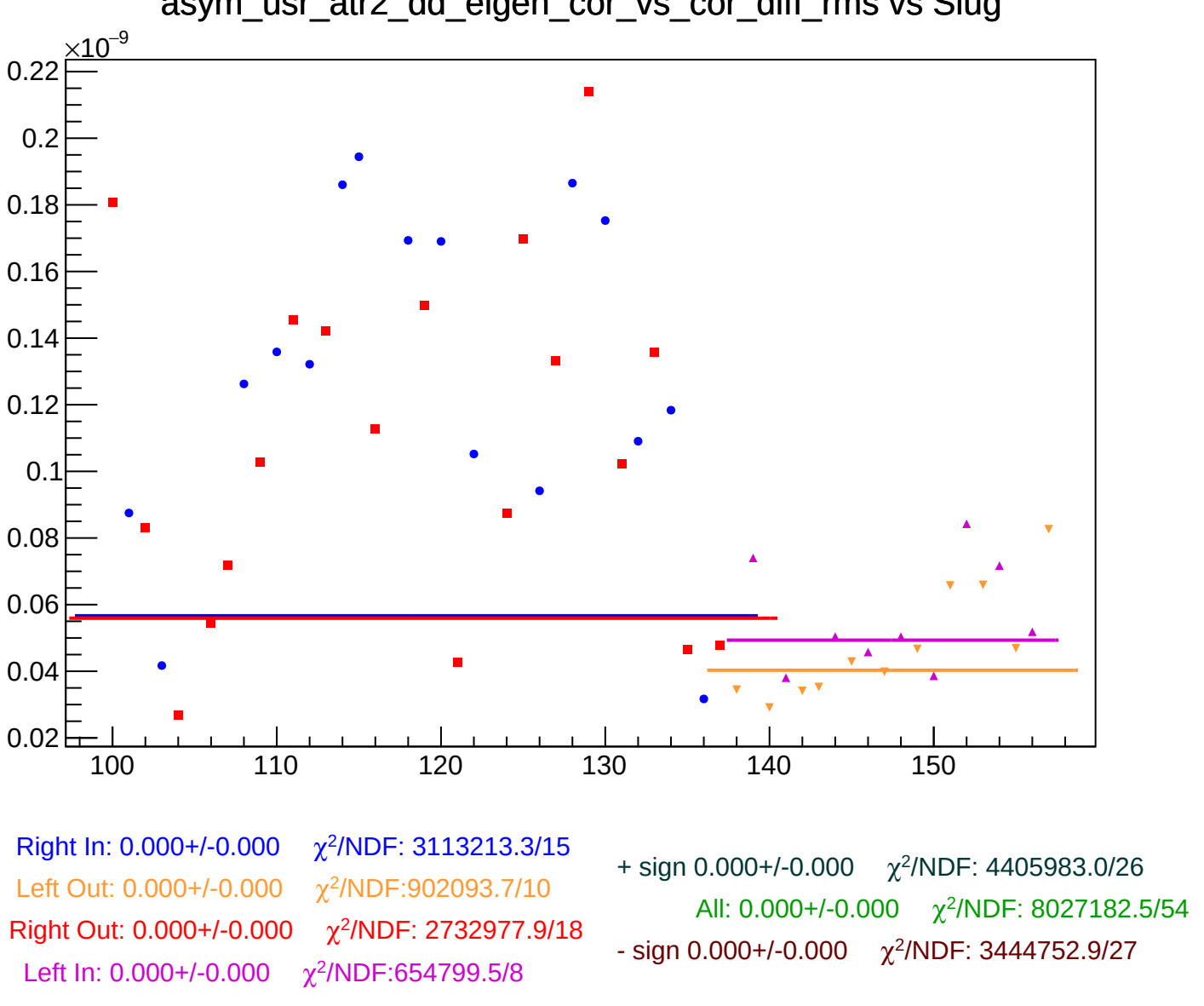
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/8

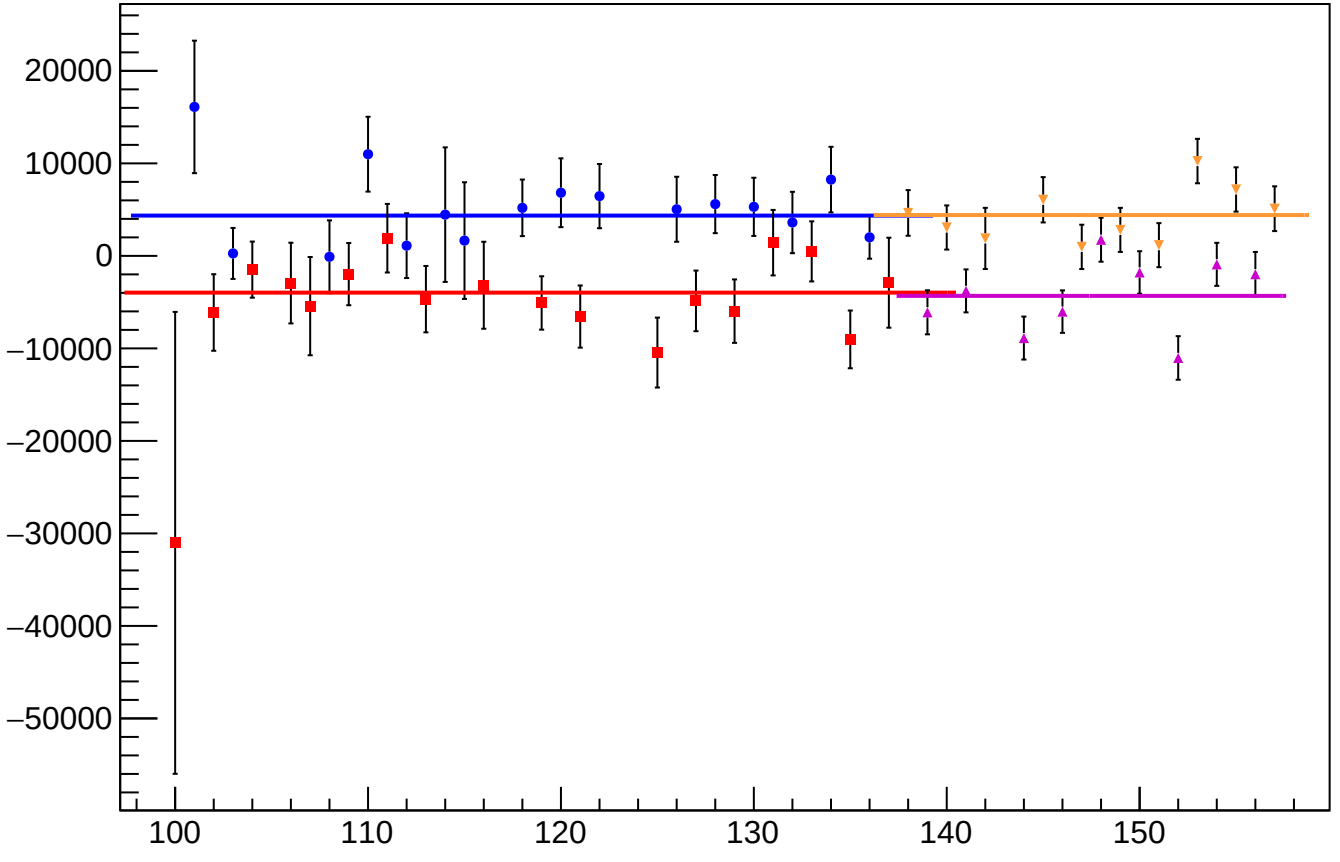
+ sign -0.000+/-0.000 χ^2/NDF: 26.5/26

All: -0.000+/-0.000 χ^2/NDF: 64.5/54

- sign -0.000+/-0.000 χ^2/NDF: 37.7/27


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:902093.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:654799.5/8
+ sign 0.000+/-0.000 χ²/NDF: 4405983.0/26
All: 0.000+/-0.000 χ²/NDF: 8027182.5/54
- sign 0.000+/-0.000 χ²/NDF: 3444752.9/27

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.793+/-780.031 χ^2/NDF:13.1/9

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

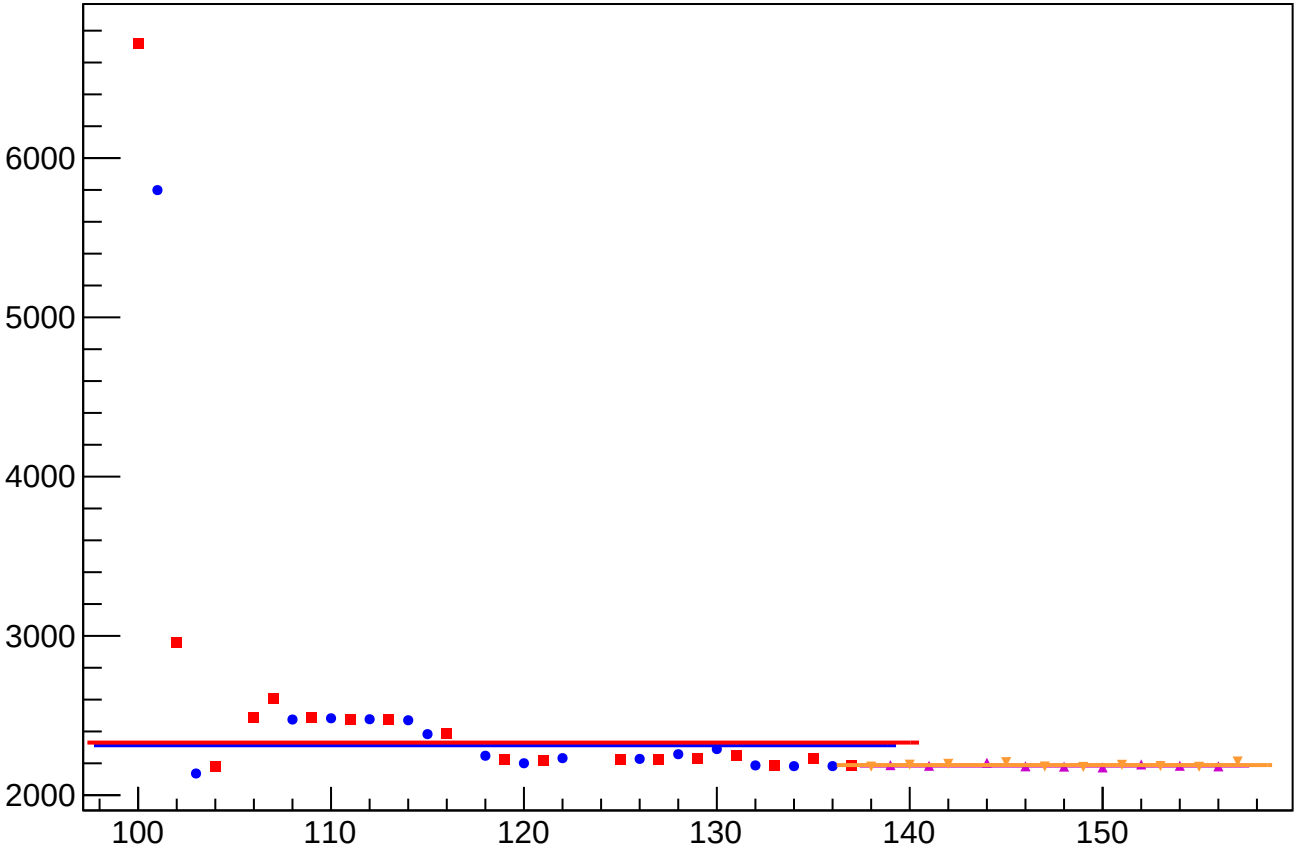
Left In: -4323.976+/-780.481 χ^2/NDF:24.0/8

+ sign 4388.034+/-582.303 χ^2/NDF: 26.4/25

All: 103.445+/-411.413 χ^2/NDF: 174.8/52

- sign -4167.140+/-581.351 χ^2/NDF: 40.2/26

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

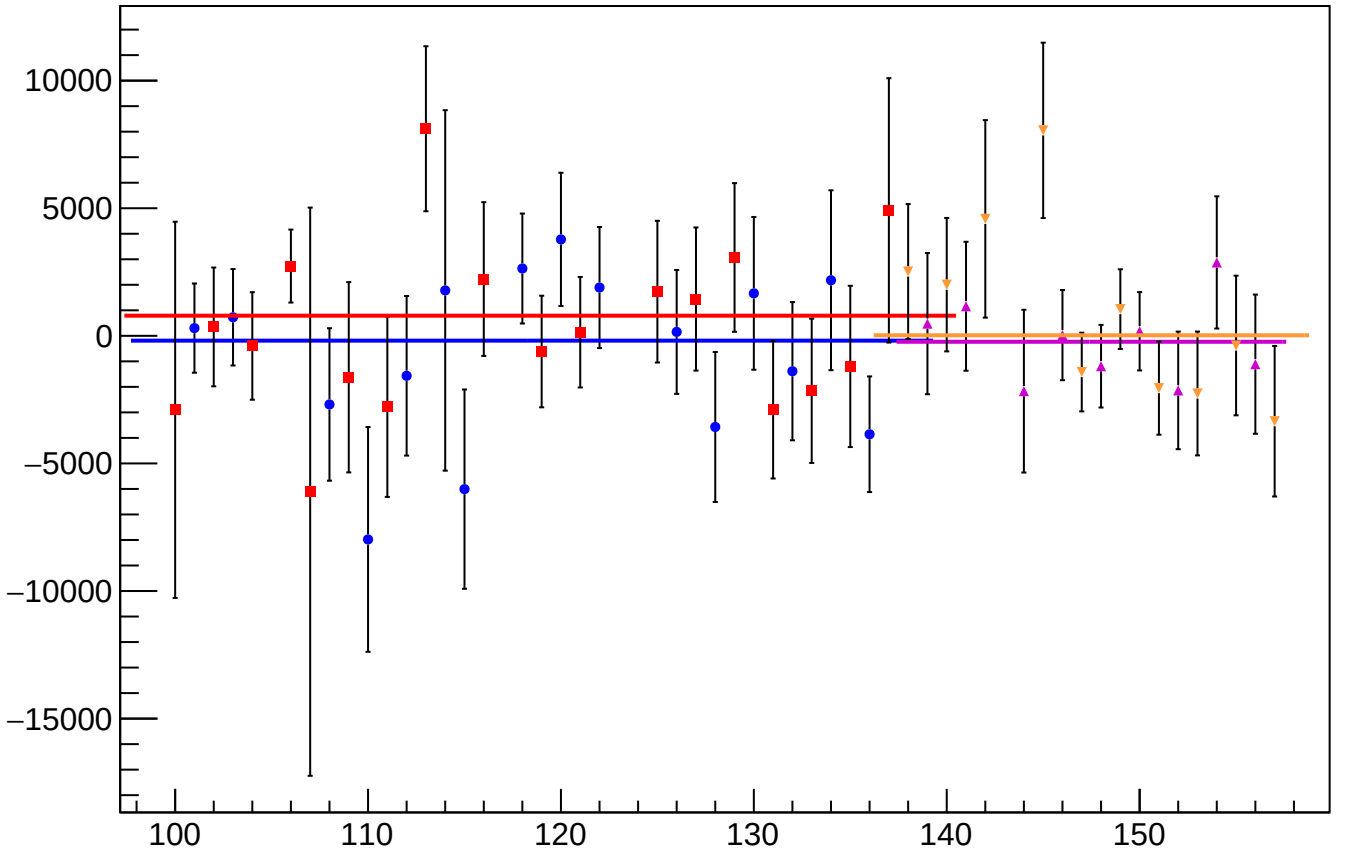
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2185.641+/-0.552 χ^2/NDF:220.1/8

+ sign 2244.035+/-0.412 χ^2/NDF: 535384.7/25

All: 2247.021+/-0.291 χ^2/NDF: 717464.8/52

- sign 2249.996+/-0.411 χ^2/NDF: 181975.2/26



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 20.690+/-708.603 χ^2/NDF:13.1/9

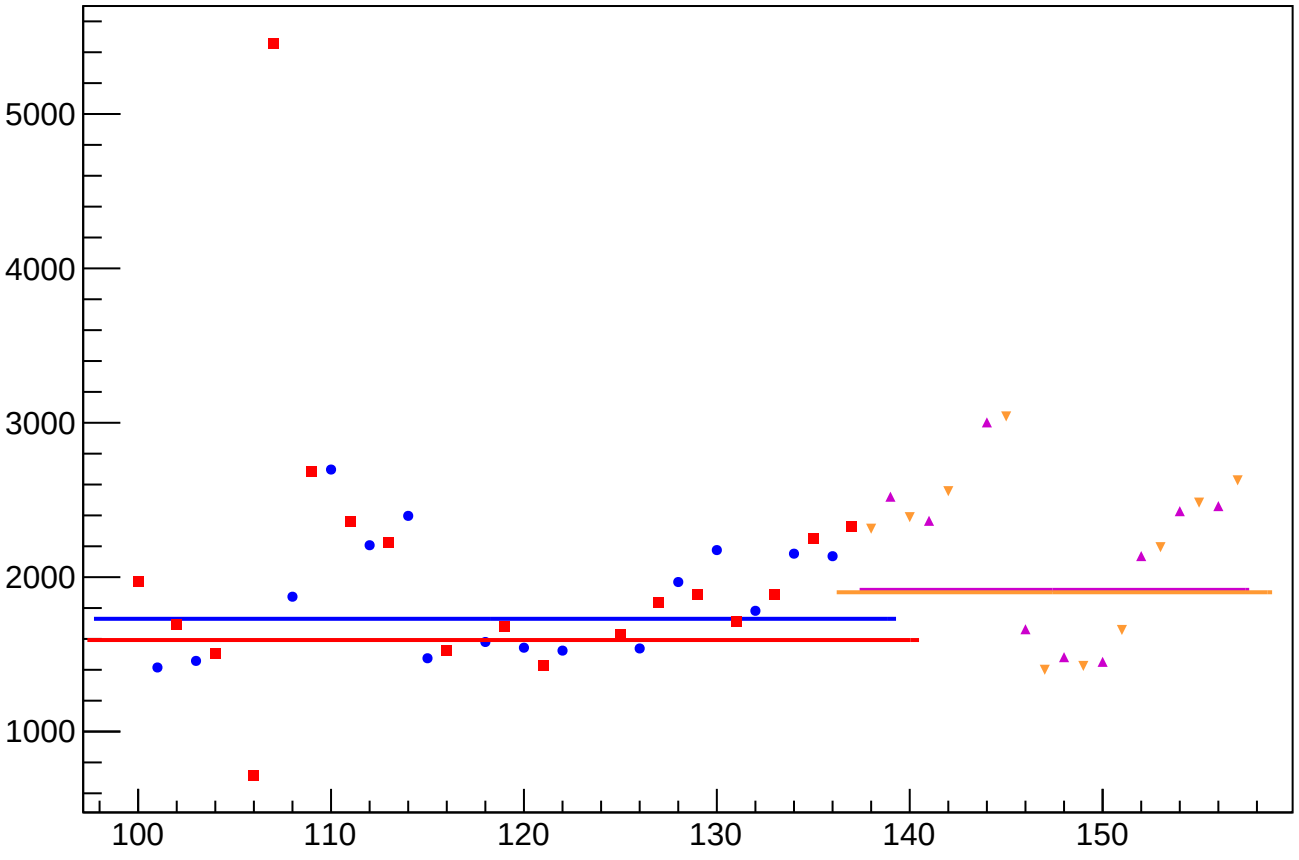
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -232.504+/-710.081 χ^2/NDF:3.4/8

\+ sign -91.673+/-482.306 χ^2/NDF: 29.6/25

All: 125.861+/-337.812 χ^2/NDF: 49.5/52

\- sign 335.346+/-473.298 χ^2/NDF: 19.5/26



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1902.200+/-0.501 χ^2/NDF:1069717.1/9

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

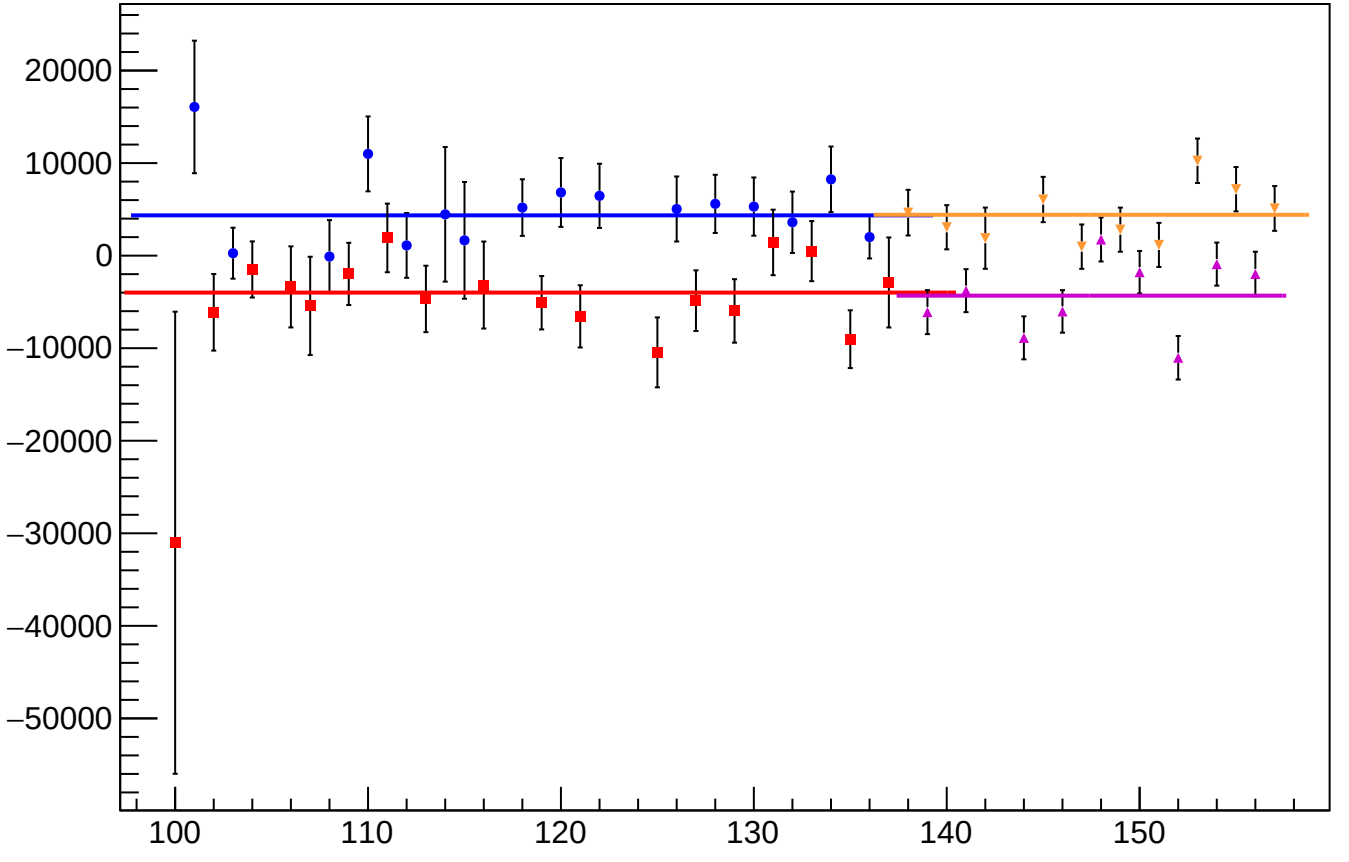
Left In: 1917.742+/-0.502 χ^2/NDF:934836.8/8

+ sign 1809.930+/-0.341 χ^2/NDF: 1611831.0/25

All: 1772.868+/-0.239 χ^2/NDF: 4358768.2/52

- sign 1737.178+/-0.335 χ^2/NDF: 2723754.4/26

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

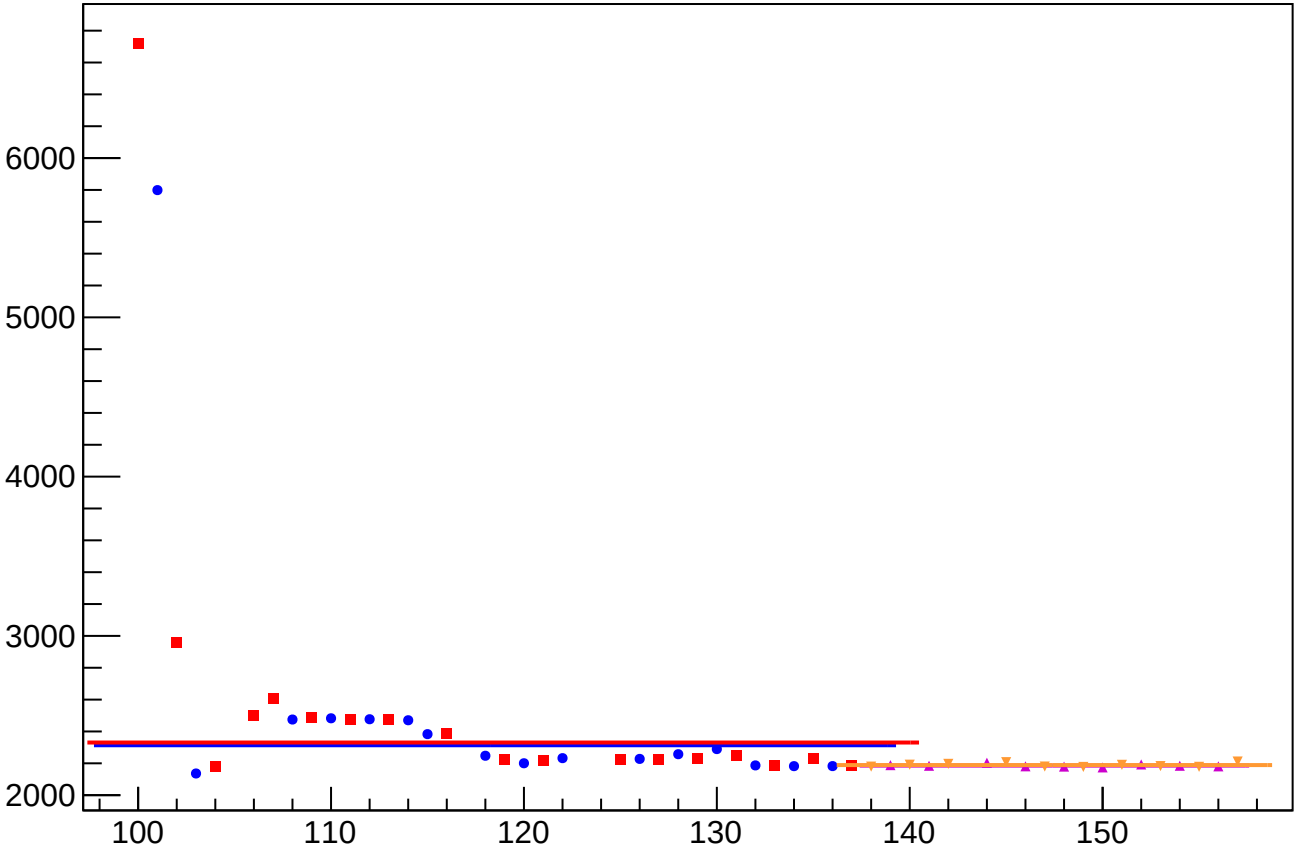
Left In: -4324.242+/-780.481 χ^2/NDF:24.0/8

+ sign 4387.675+/-582.303 χ^2/NDF: 26.4/25

All: 99.447+/-411.429 χ^2/NDF: 174.9/52

- sign -4175.421+/-581.395 χ^2/NDF: 40.2/26

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

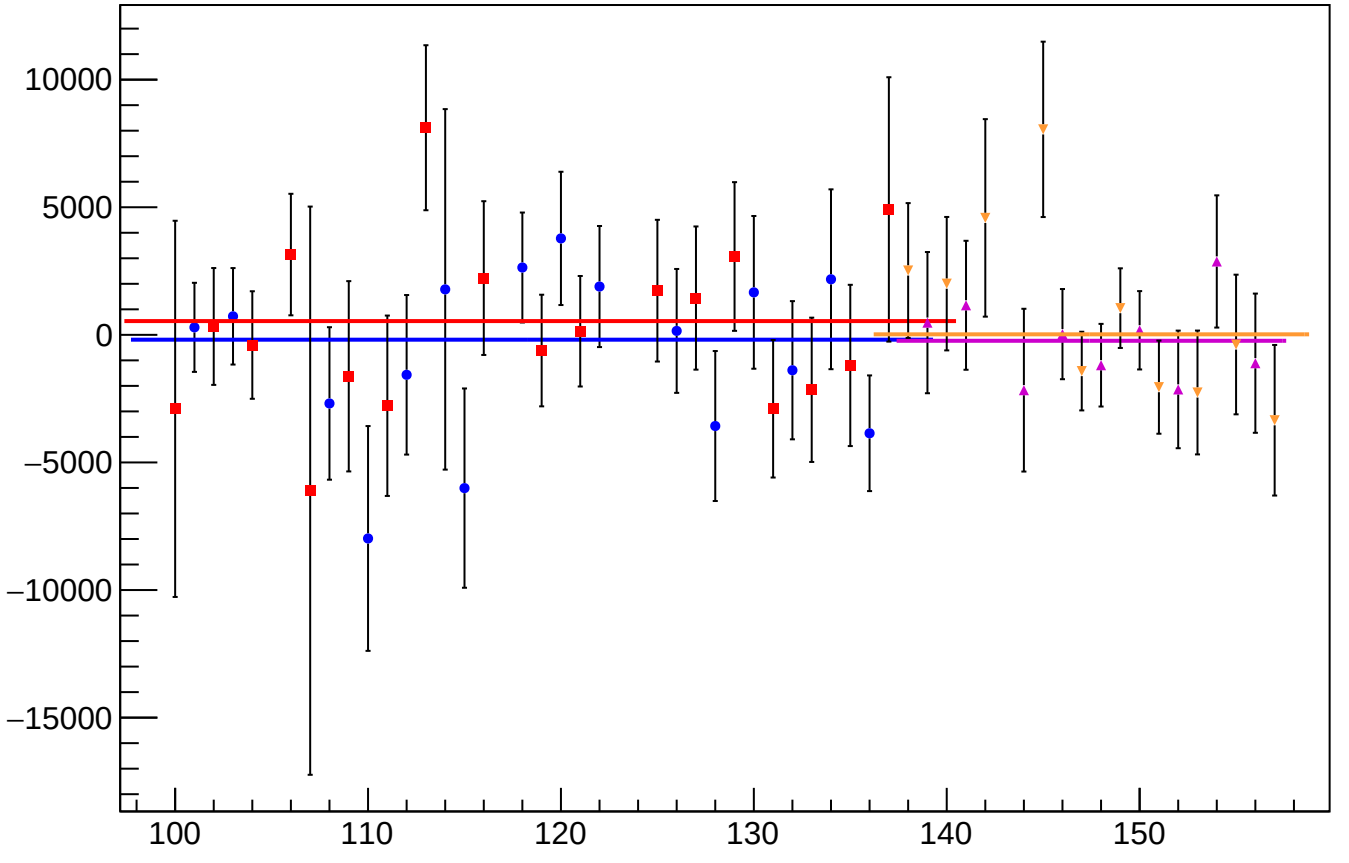
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2185.641+/-0.552 χ^2/NDF:220.1/8

+ sign 2244.035+/-0.412 χ^2/NDF: 535385.1/25

All: 2247.097+/-0.291 χ^2/NDF: 717967.2/52

- sign 2250.149+/-0.411 χ^2/NDF: 182471.7/26



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 20.328+/-708.602 χ^2/NDF:13.1/9

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

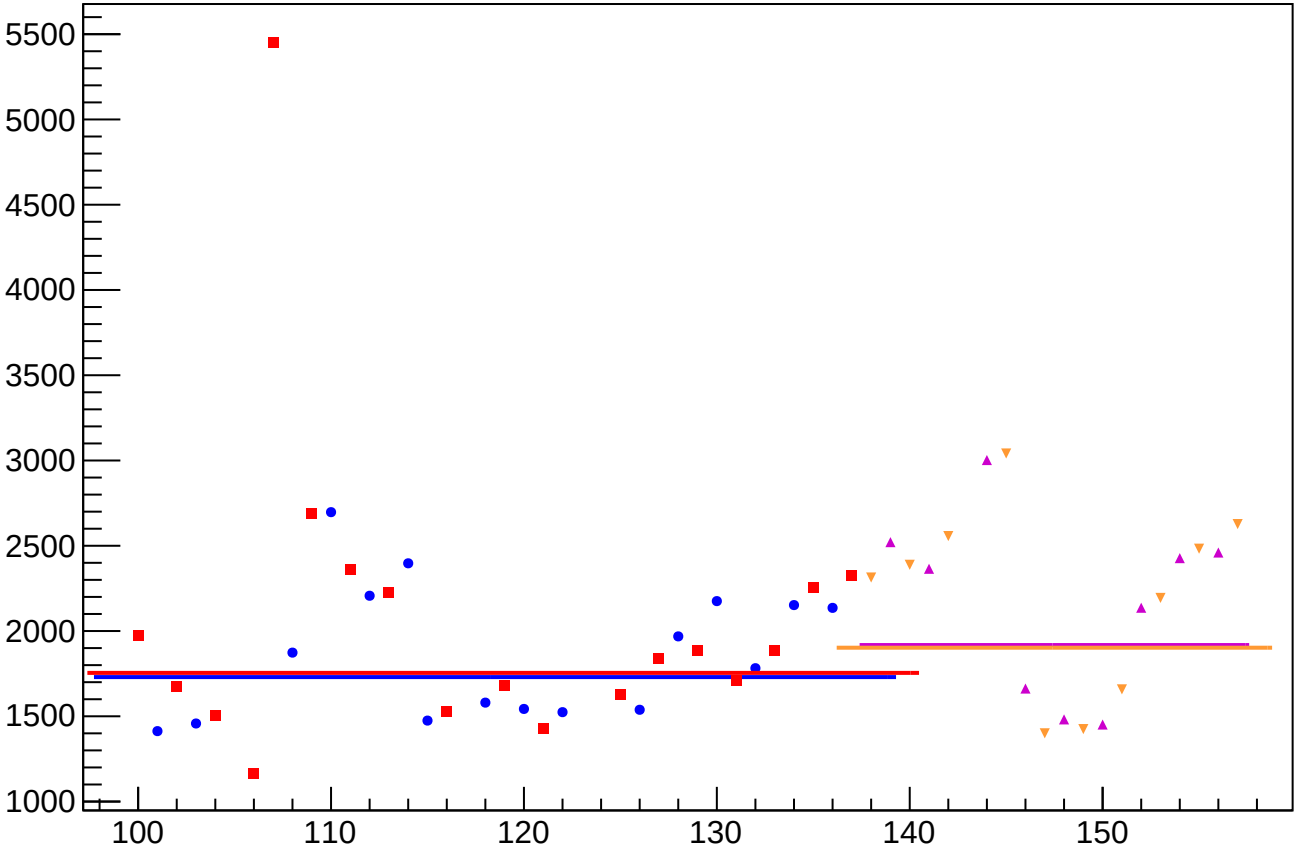
Left In: -232.630+/-710.083 χ^2/NDF:3.4/8

\+ sign -92.453+/-482.255 χ^2/NDF: 29.6/25

All: 37.132+/-343.866 χ^2/NDF: 47.7/52

\- sign 171.159+/-490.450 χ^2/NDF: 17.9/26

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

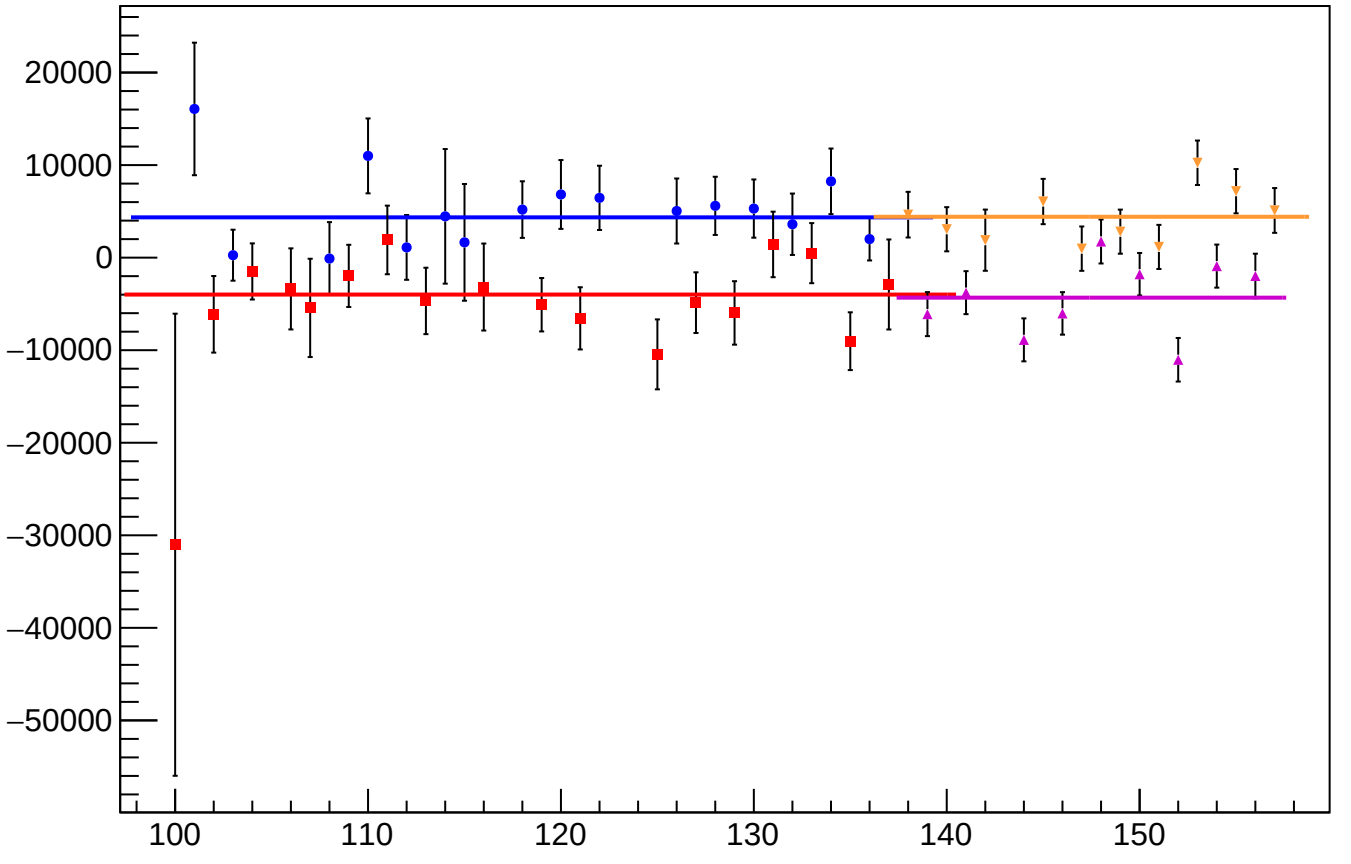
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1917.747+/-0.502 χ^2/NDF:934841.2/8

+ sign 1809.703+/-0.341 χ^2/NDF: 1613124.2/25

All: 1820.856+/-0.243 χ^2/NDF: 3356411.9/52

- sign 1832.392+/-0.347 χ^2/NDF: 1741111.7/26



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4414.690+/-780.031 χ^2/NDF:13.1/9

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

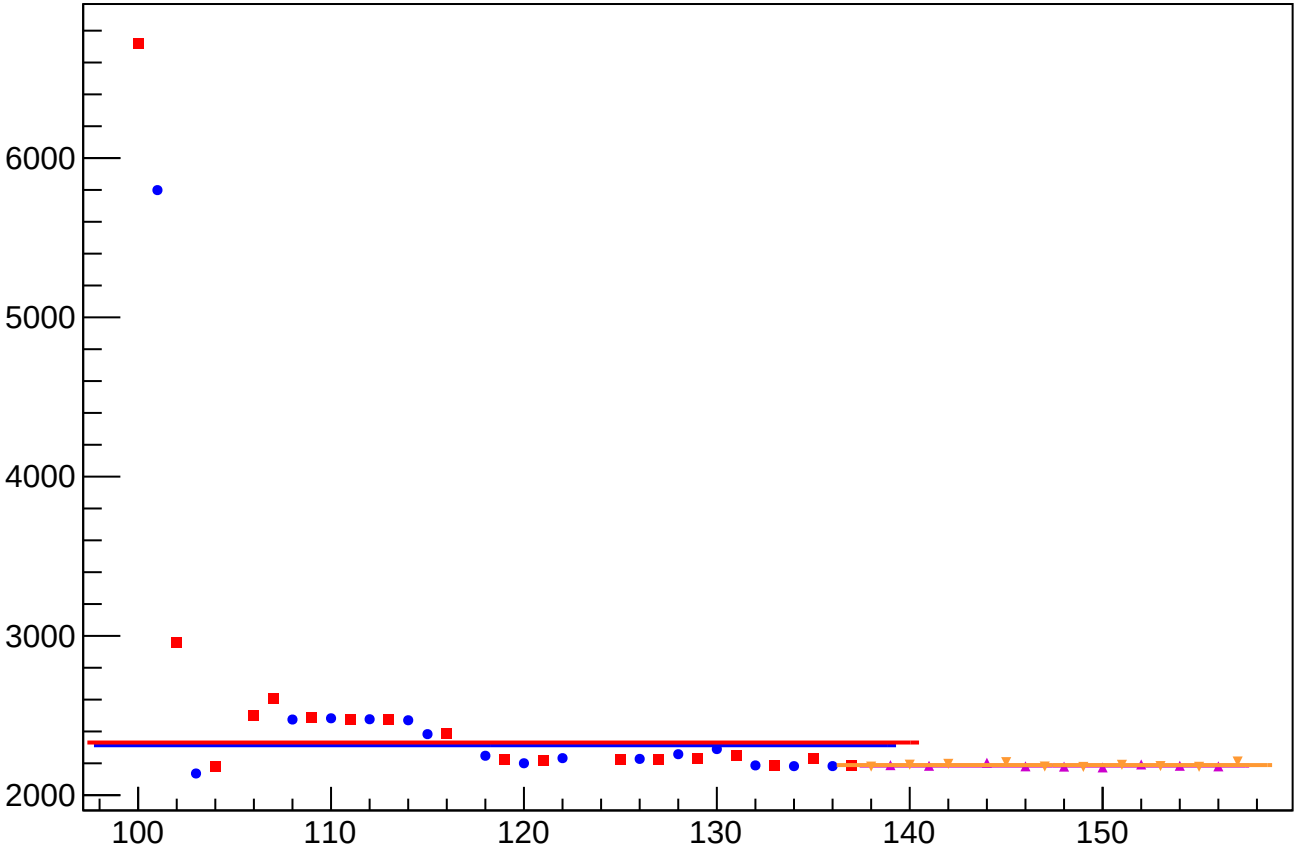
Left In: -4324.242+/-780.481 χ^2/NDF:24.0/8

+ sign 4387.675+/-582.303 χ^2/NDF: 26.4/25

All: 99.447+/-411.429 χ^2/NDF: 174.9/52

- sign -4175.421+/-581.395 χ^2/NDF: 40.2/26

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.920+/-0.552 χ^2/NDF:458.7/9

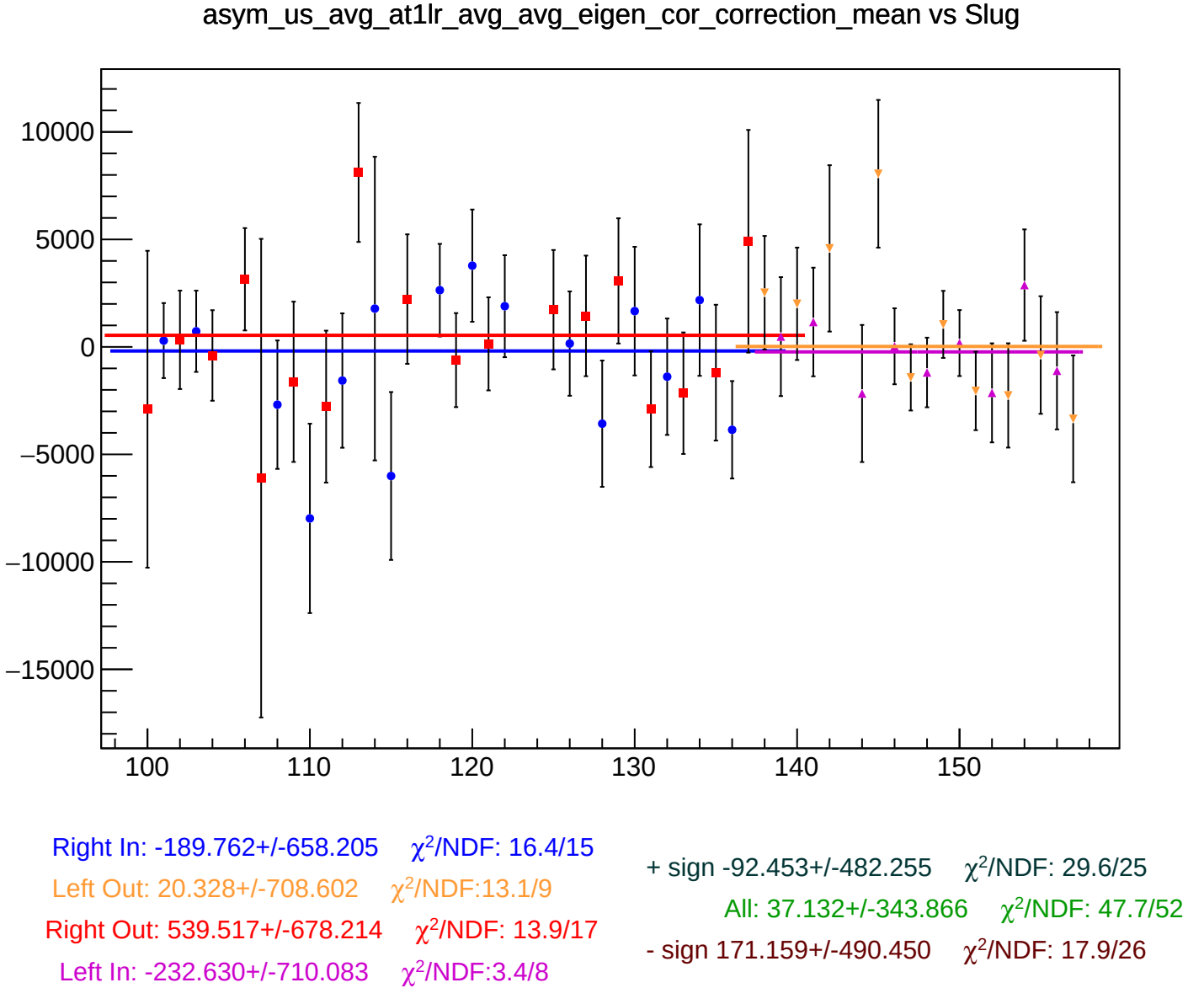
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

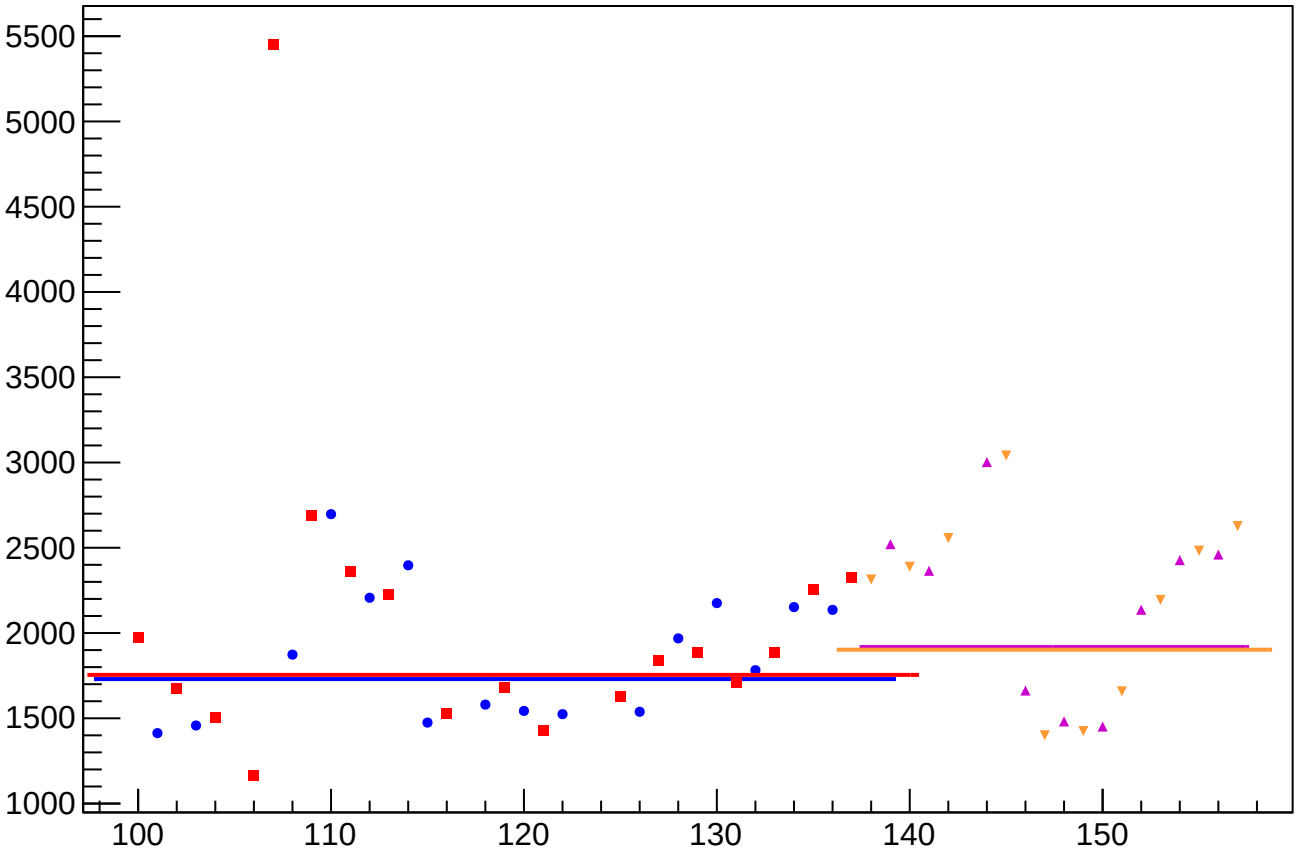
Left In: 2185.641+/-0.552 χ^2/NDF:220.1/8

+ sign 2244.035+/-0.412 χ^2/NDF: 535385.1/25

All: 2247.097+/-0.291 χ^2/NDF: 717967.2/52

- sign 2250.149+/-0.411 χ^2/NDF: 182471.7/26


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 20.328+/-708.602 χ²/NDF:13.1/9
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -232.630+/-710.083 χ²/NDF:3.4/8
+ sign -92.453+/-482.255 χ²/NDF: 29.6/25
All: 37.132+/-343.866 χ²/NDF: 47.7/52
- sign 171.159+/-490.450 χ²/NDF: 17.9/26



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1902.197+/-0.501 χ^2/NDF:1069748.1/9

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

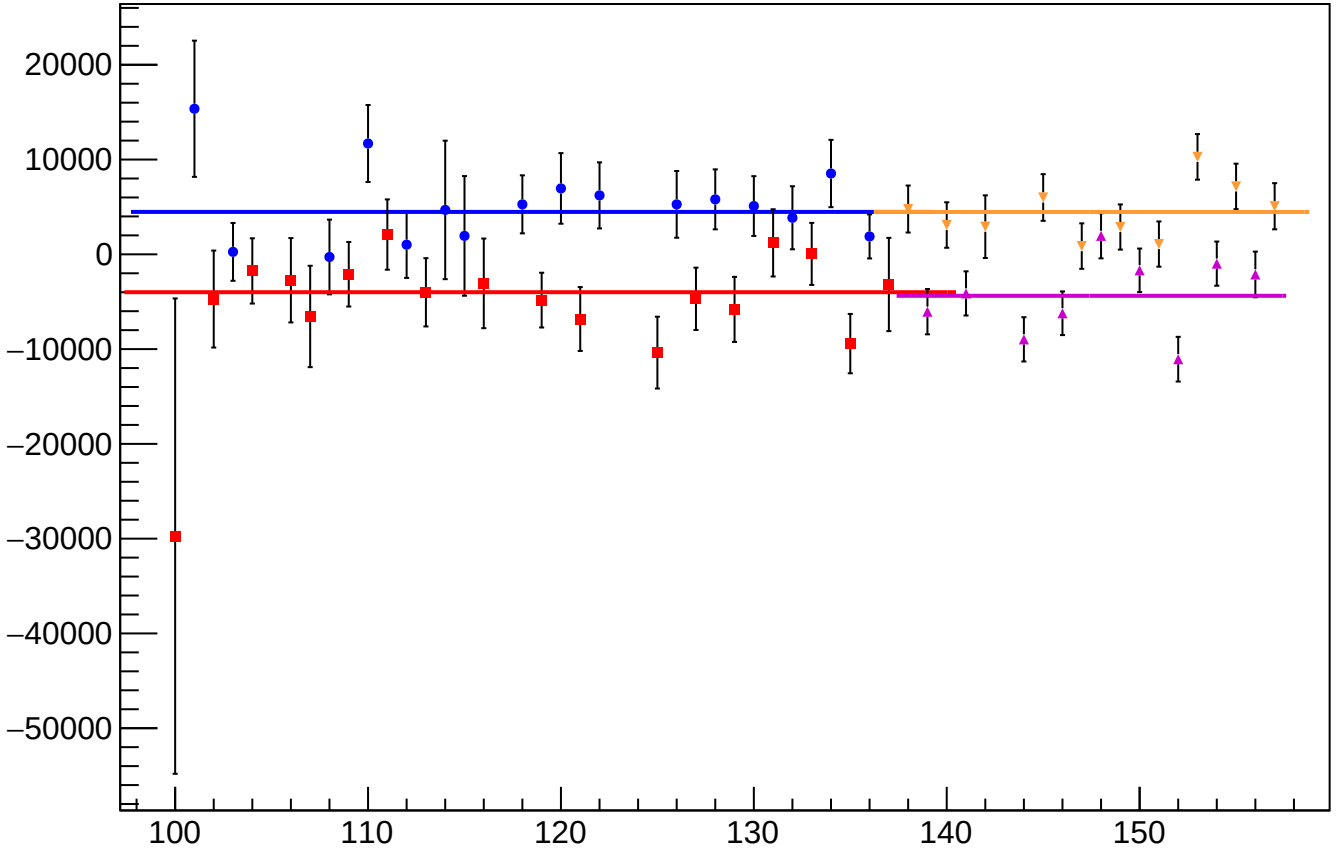
Left In: 1917.747+/-0.502 χ^2/NDF:934841.2/8

+ sign 1809.703+/-0.341 χ^2/NDF: 1613124.2/25

All: 1820.856+/-0.243 χ^2/NDF: 3356411.9/52

- sign 1832.392+/-0.347 χ^2/NDF: 1741111.7/26

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

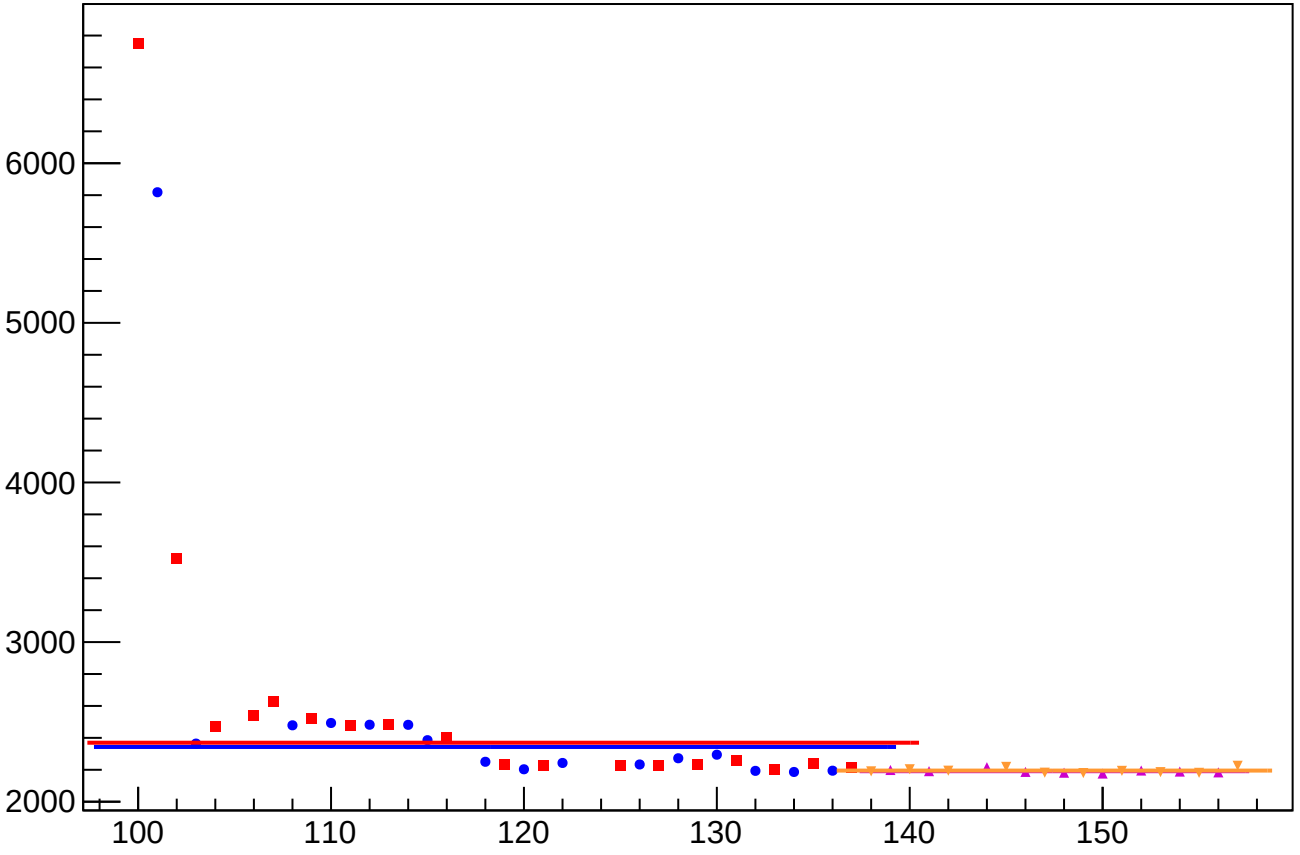
Left In: -4375.276+/-782.441 χ^2/NDF:24.5/8

+ sign 4472.051+/-586.425 χ^2/NDF: 26.4/25

All: 140.961+/-415.138 χ^2/NDF: 175.8/52

- sign -4209.938+/-587.764 χ^2/NDF: 40.1/26

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

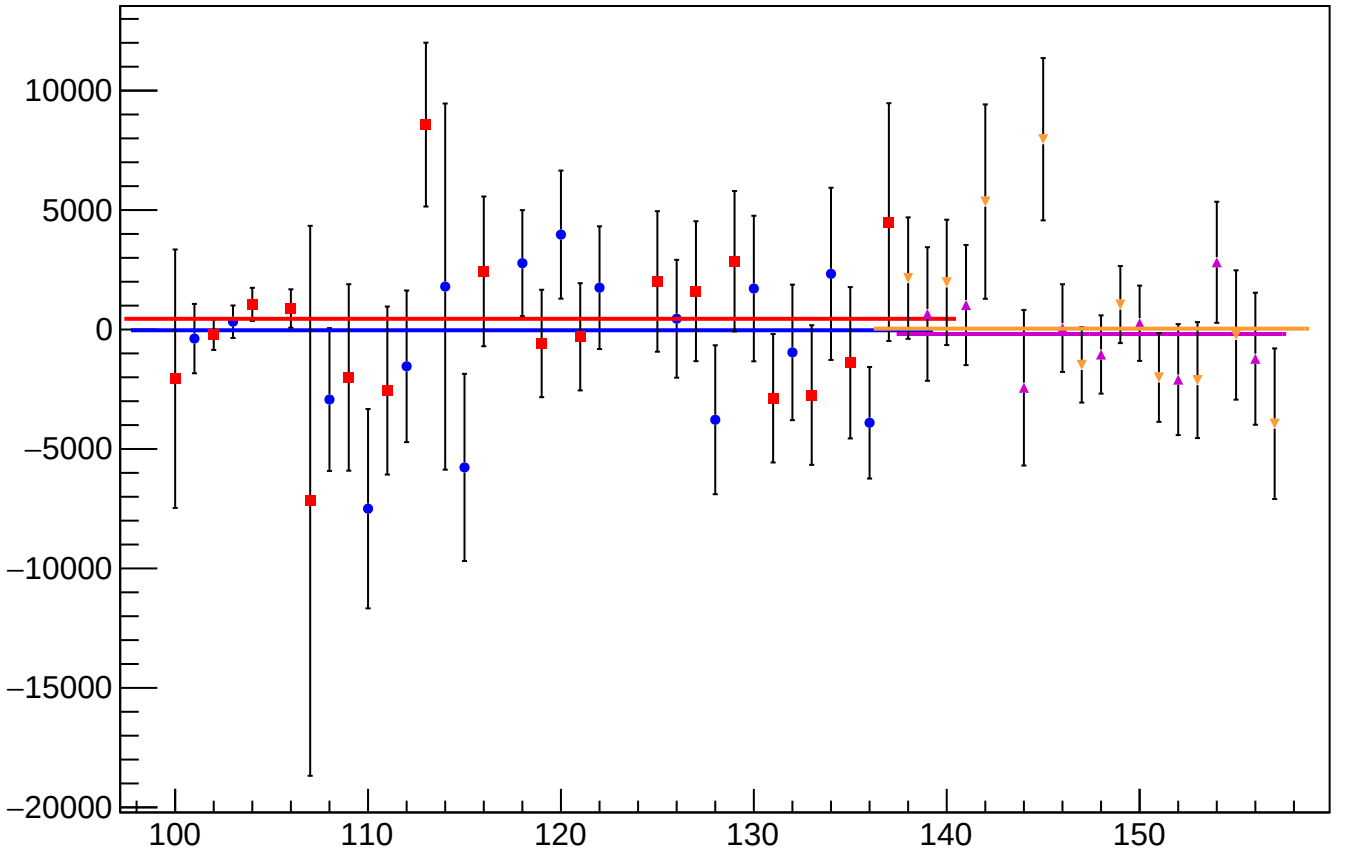
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2191.031+/-0.553 χ^2/NDF:397.3/8

+ sign 2259.785+/-0.415 χ^2/NDF: 534950.4/25

All: 2264.294+/-0.294 χ^2/NDF: 791105.8/52

- sign 2268.823+/-0.416 χ^2/NDF: 255918.5/26



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 37.120+/-719.778 χ^2/NDF:13.3/9

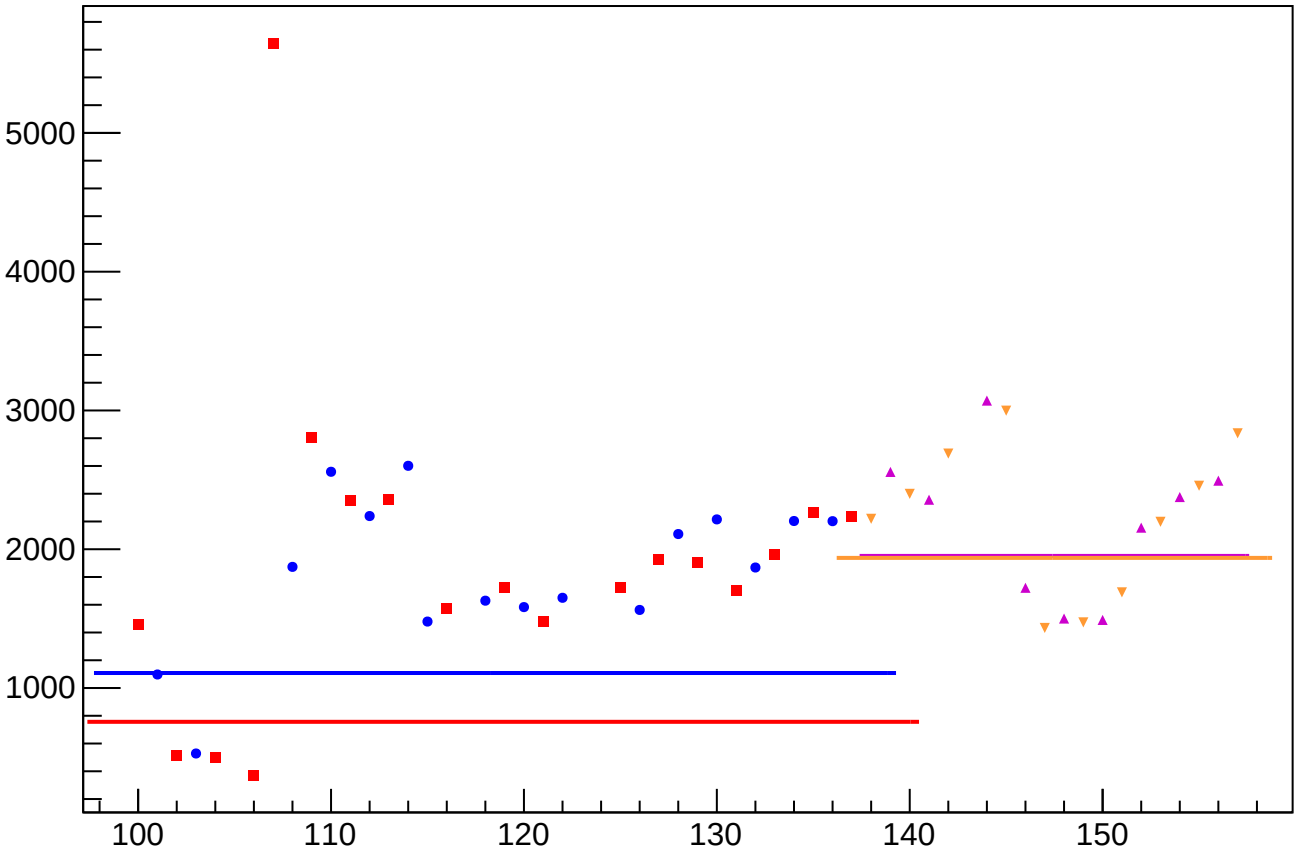
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -187.980+/-720.843 χ^2/NDF:3.4/8

\+ sign -9.980+/-402.399 χ^2/NDF: 29.6/25

All: 190.138+/-252.319 χ^2/NDF: 49.2/52

\- sign 319.798+/-323.906 χ^2/NDF: 19.1/26



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1937.621+/-0.509 χ^2/NDF:1015749.5/9

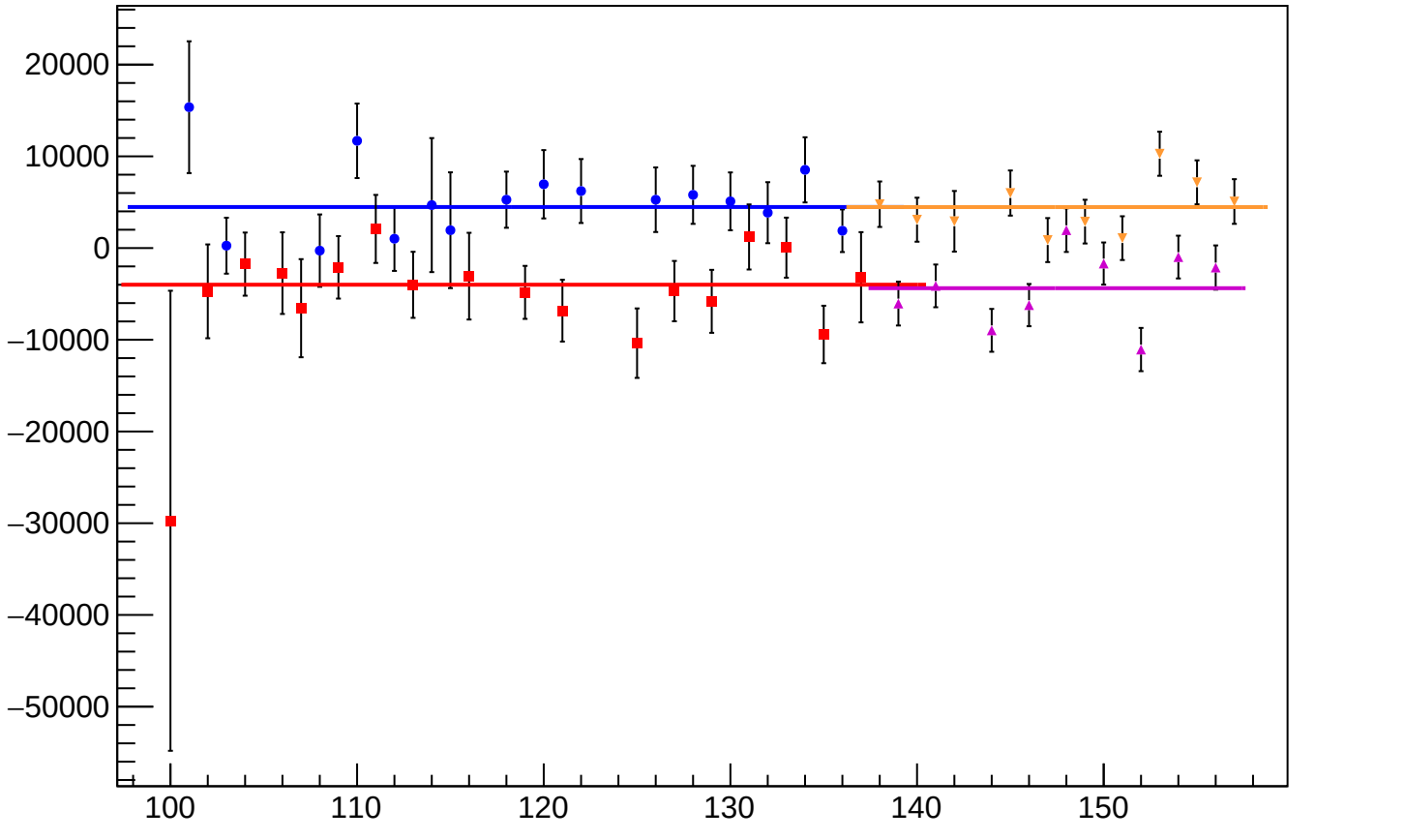
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1951.857+/-0.510 χ^2/NDF:884646.0/8

+ sign 1367.392+/-0.285 χ^2/NDF: 6588173.9/25

All: 1143.107+/-0.178 χ^2/NDF: 18489830.3/5

- sign 997.789+/-0.229 χ^2/NDF: 10877771.5/26



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4468.637+/-782.246 χ^2/NDF:12.8/9

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

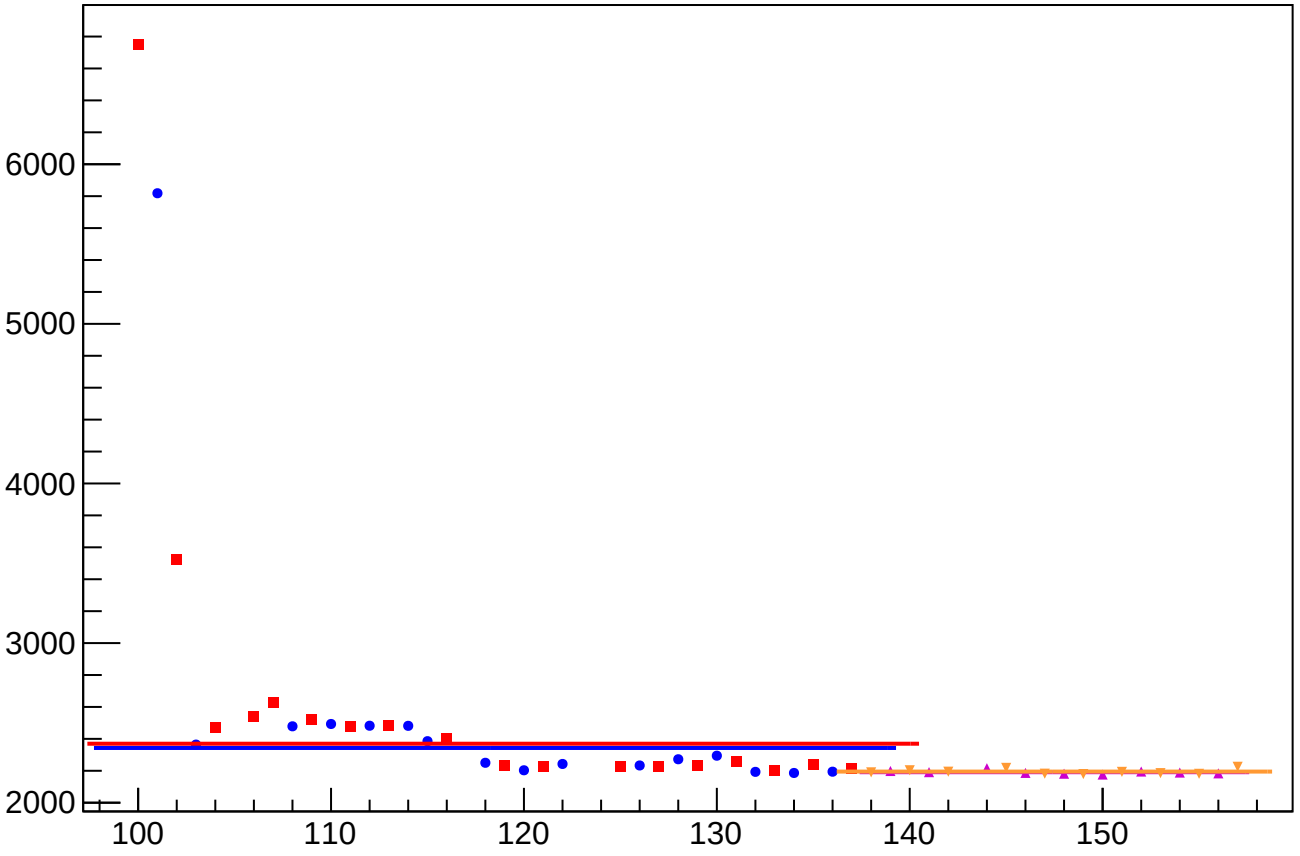
Left In: -4375.277+/-782.441 χ^2/NDF:24.5/8

+ sign 4472.049+/-586.425 χ^2/NDF: 26.4/25

All: 140.961+/-415.138 χ^2/NDF: 175.8/52

- sign -4209.937+/-587.764 χ^2/NDF: 40.1/26

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.999+/-0.553 χ^2/NDF:762.7/9

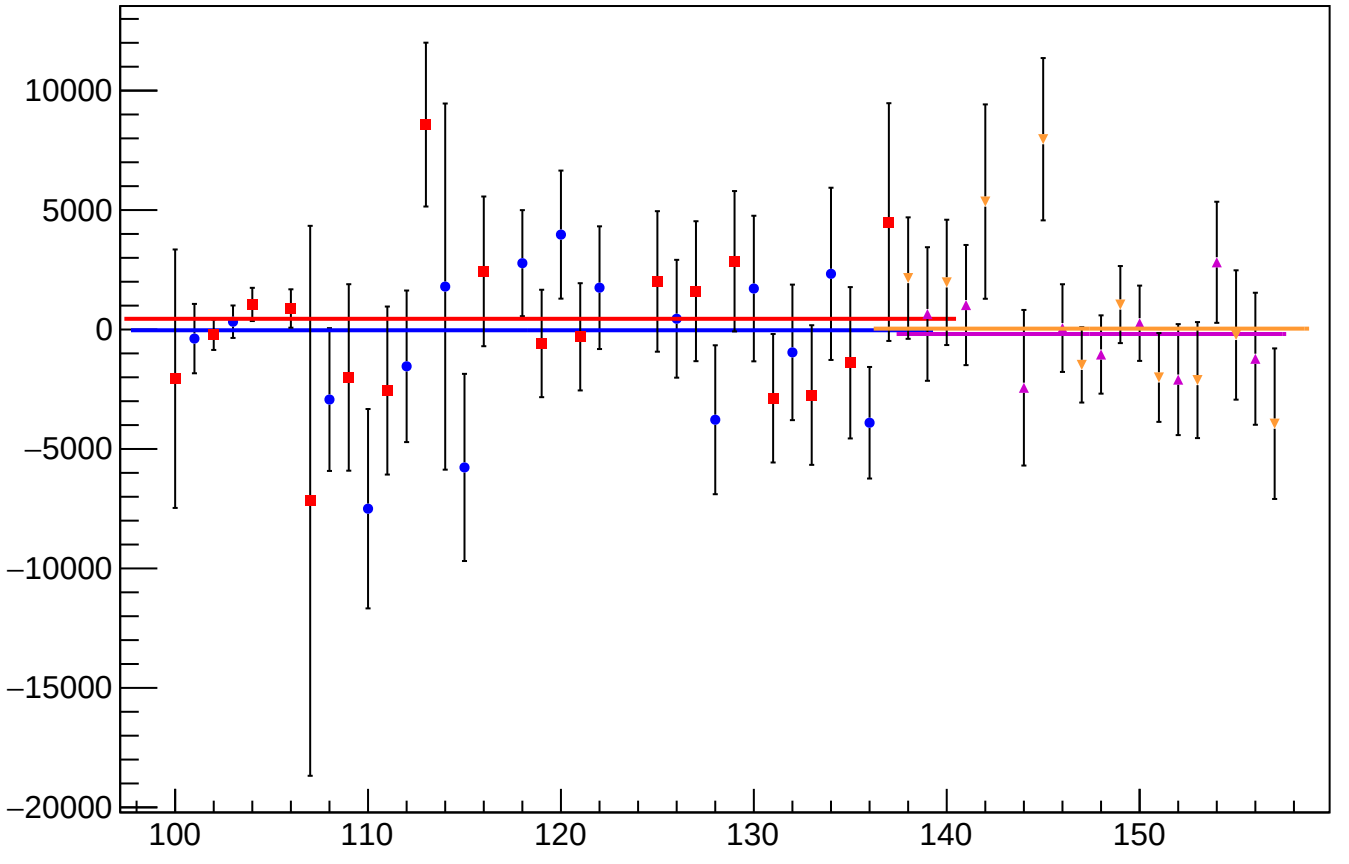
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2191.031+/-0.553 χ^2/NDF:397.3/8

+ sign 2259.785+/-0.415 χ^2/NDF: 534950.2/25

All: 2264.294+/-0.294 χ^2/NDF: 791104.3/52

- sign 2268.823+/-0.416 χ^2/NDF: 255917.1/26



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 37.115+/-719.780 χ^2/NDF:13.3/9

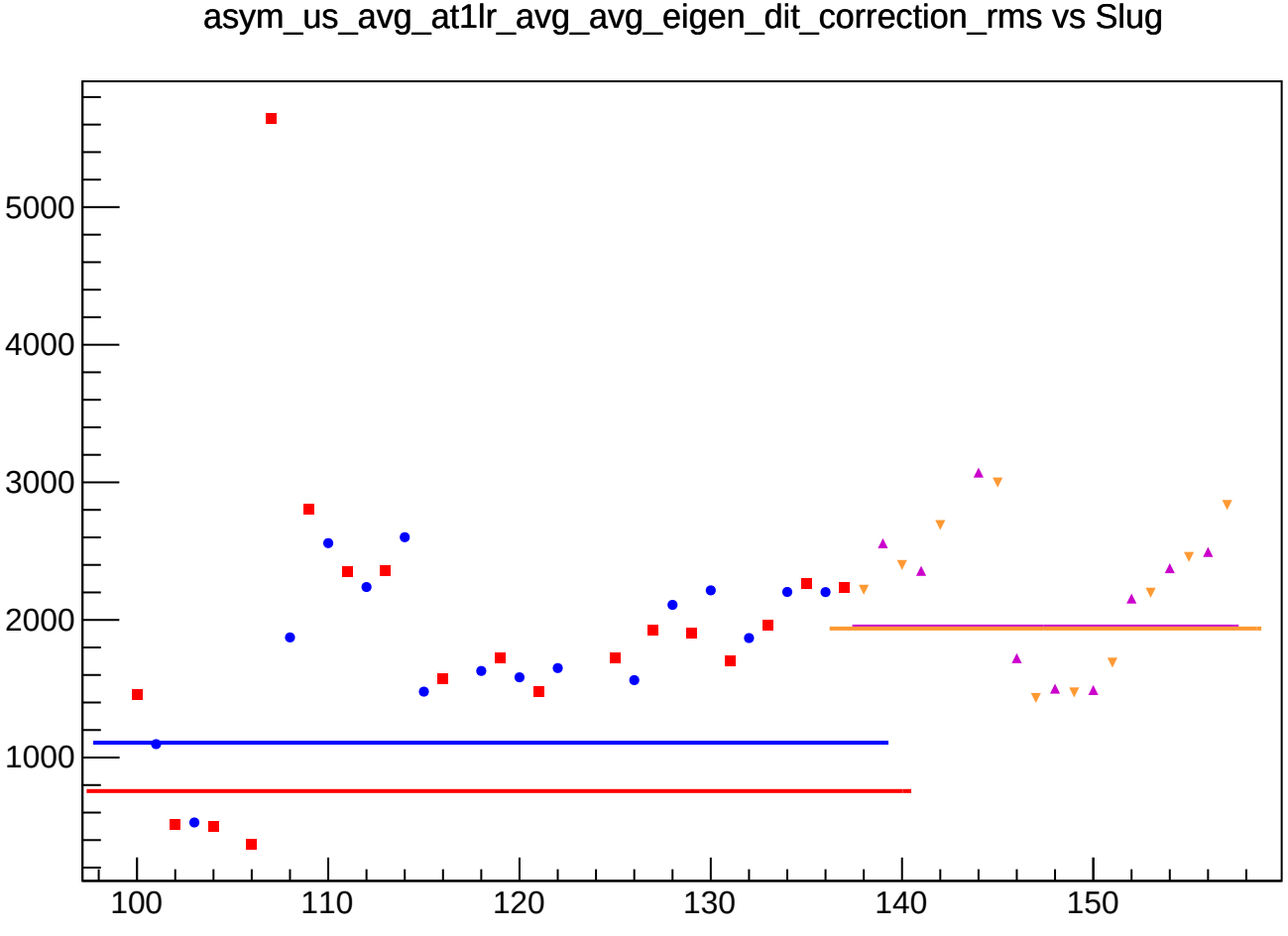
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -187.981+/-720.844 χ^2/NDF:3.4/8

+ sign -9.985+/-402.401 χ^2/NDF: 29.6/25

All: 190.135+/-252.321 χ^2/NDF: 49.2/52

- sign 319.799+/-323.909 χ^2/NDF: 19.1/26



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1937.624+/-0.509 χ^2/NDF:1015749.4/9

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

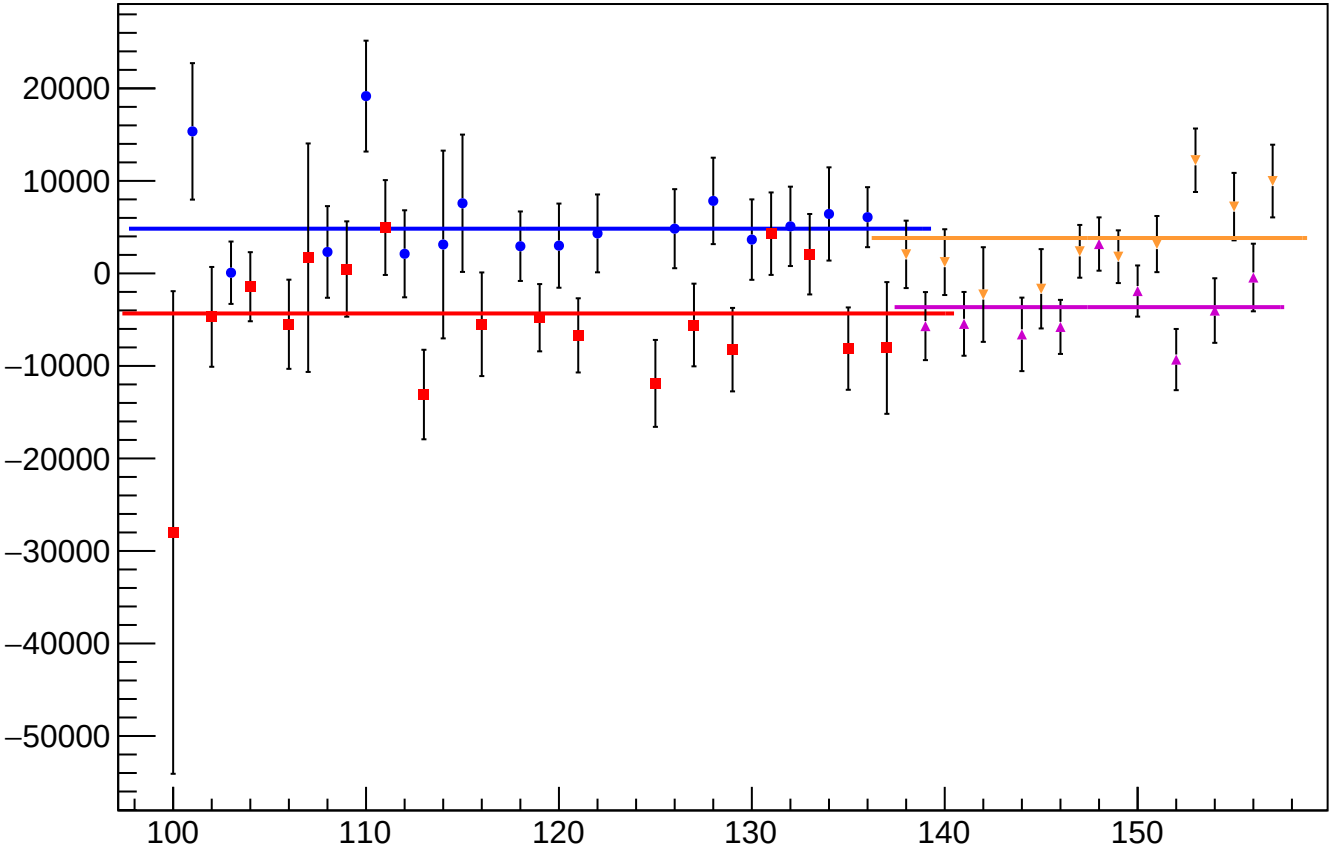
Left In: 1951.860+/-0.510 χ^2/NDF:884645.2/8

+ sign 1367.401+/-0.285 χ^2/NDF: 6588059.7/25

All: 1143.123+/-0.178 χ^2/NDF: 18489417.7/5

- sign 997.806+/-0.229 χ^2/NDF: 10877531.4/26

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3826.394+/-1099.847 χ^2/NDF:14.0/9

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

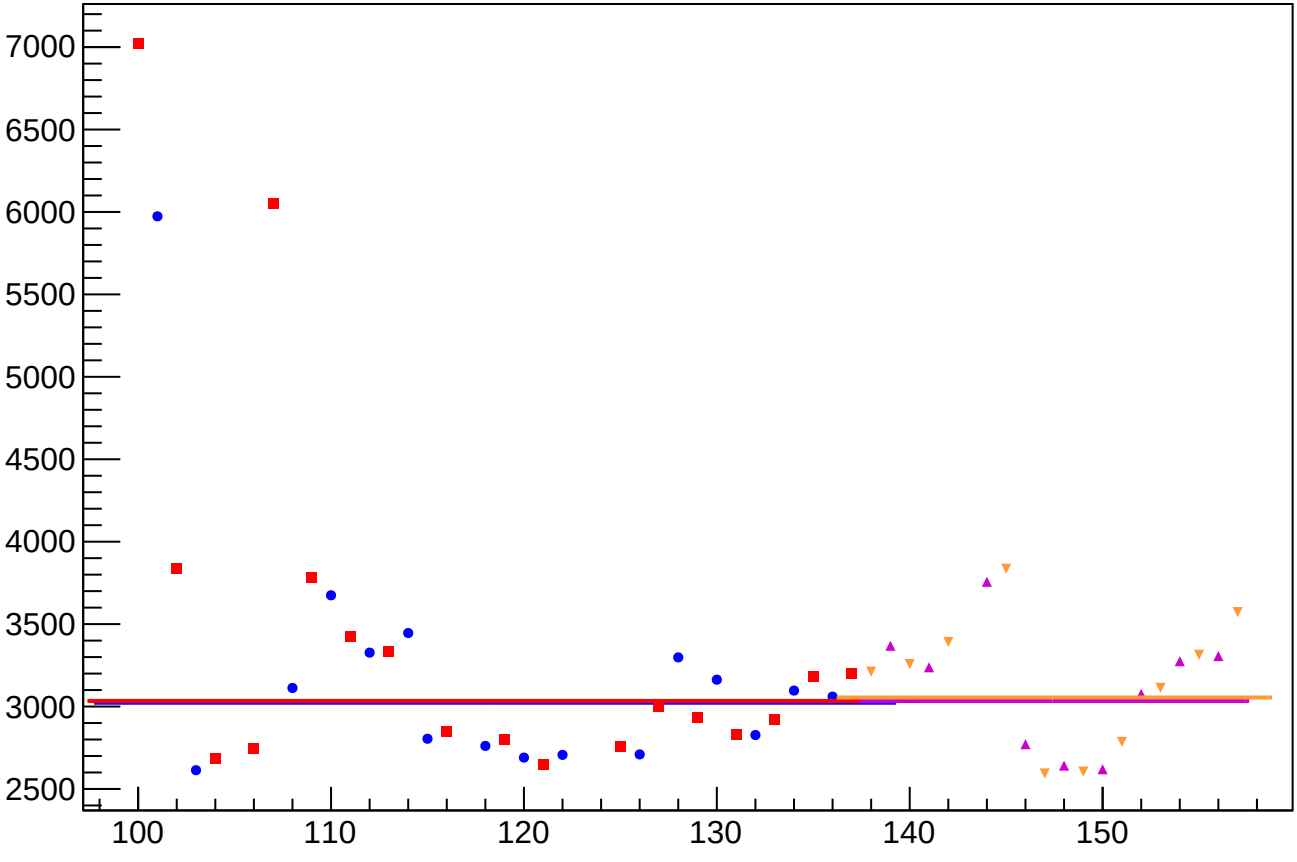
Left In: -3644.656+/-1092.336 χ^2/NDF:11.4/8

+ sign 4310.929+/-792.371 χ^2/NDF: 26.0/25

All: 158.818+/-559.525 χ^2/NDF: 112.3/52

- sign -3970.675+/-790.210 χ^2/NDF: 31.5/26

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3054.862+/-0.778 χ^2/NDF:248426.6/9

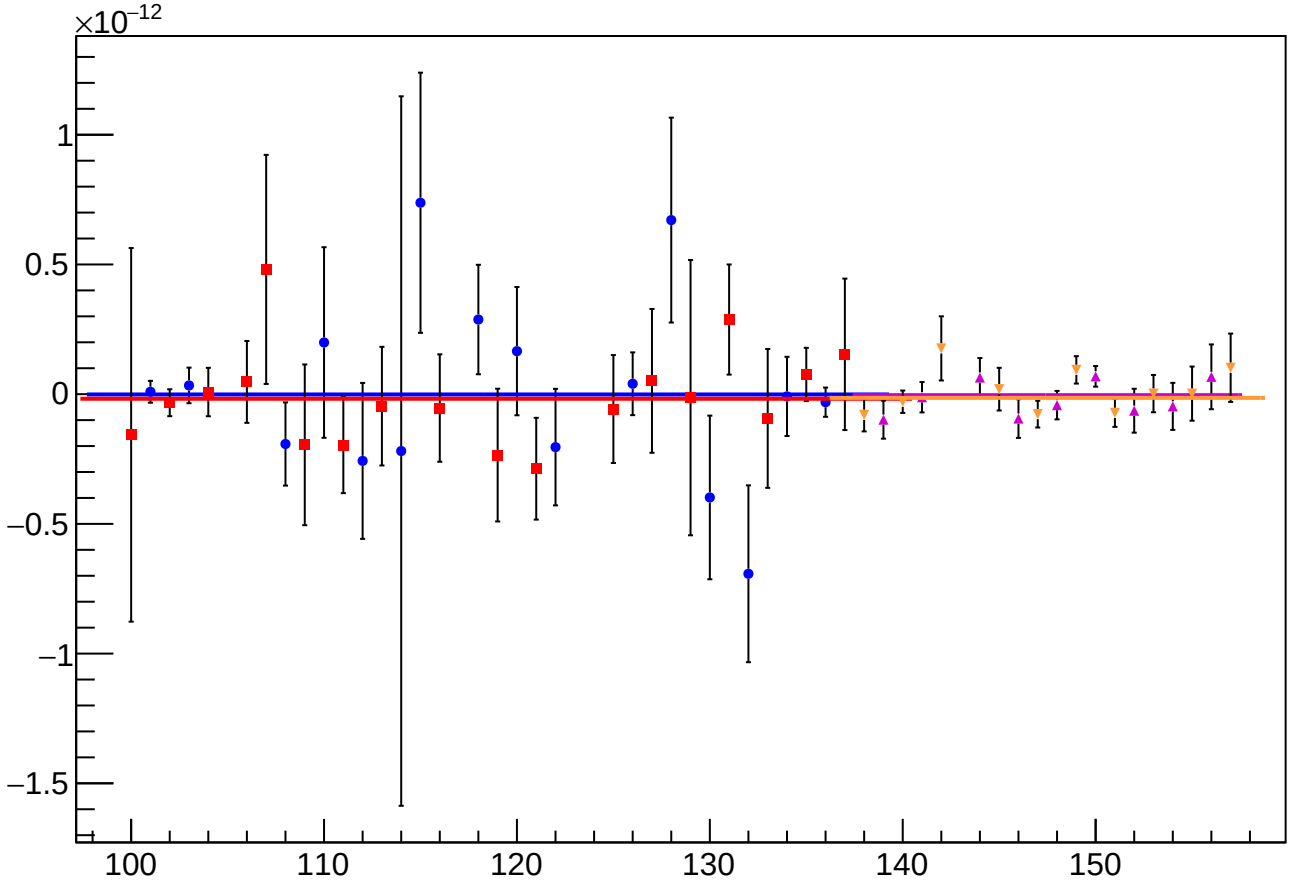
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3033.727+/-0.772 χ^2/NDF:208959.8/8

+ sign 3039.570+/-0.560 χ^2/NDF: 692936.2/25

All: 3036.674+/-0.396 χ^2/NDF: 1244624.0/52

- sign 3033.794+/-0.559 χ^2/NDF: 551634.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/9

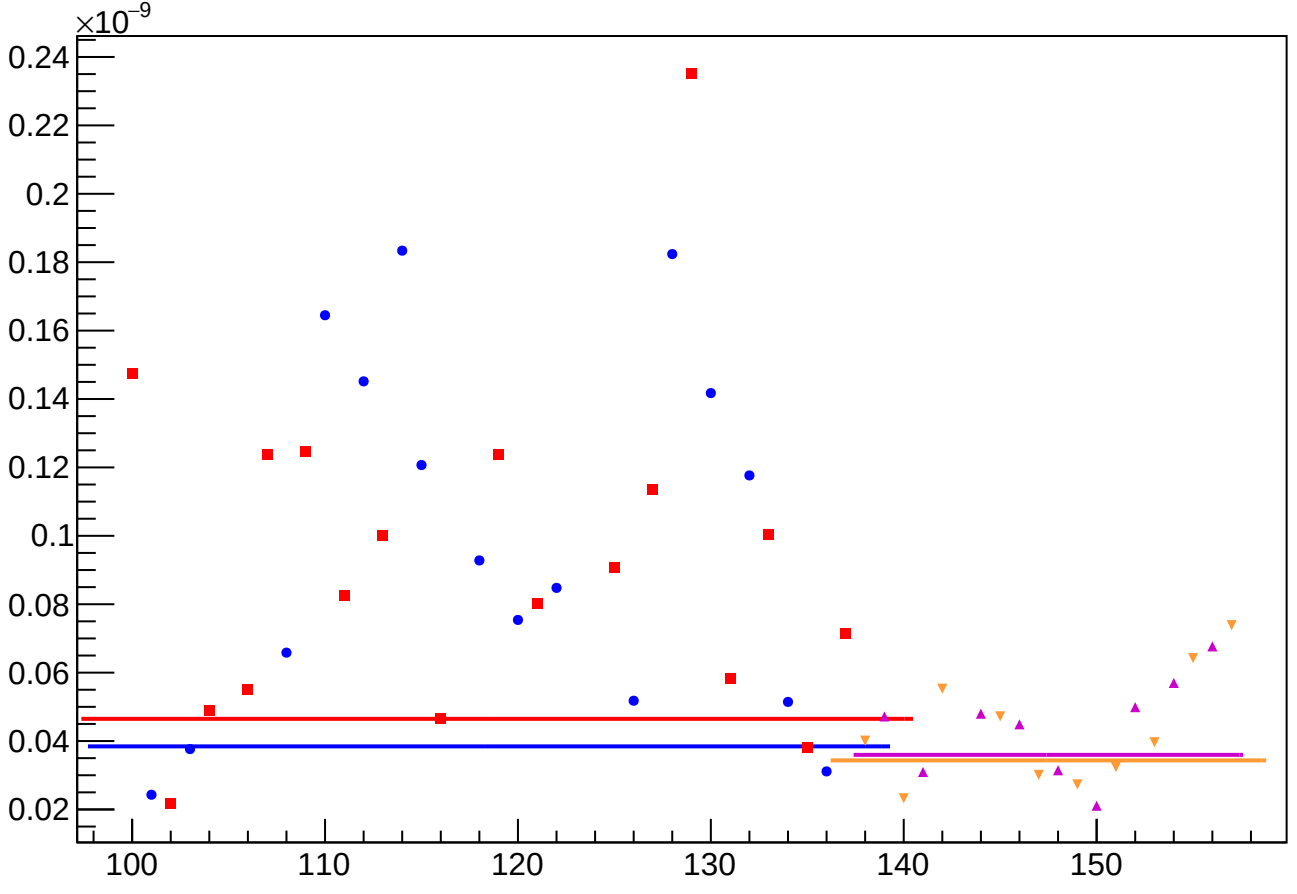
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

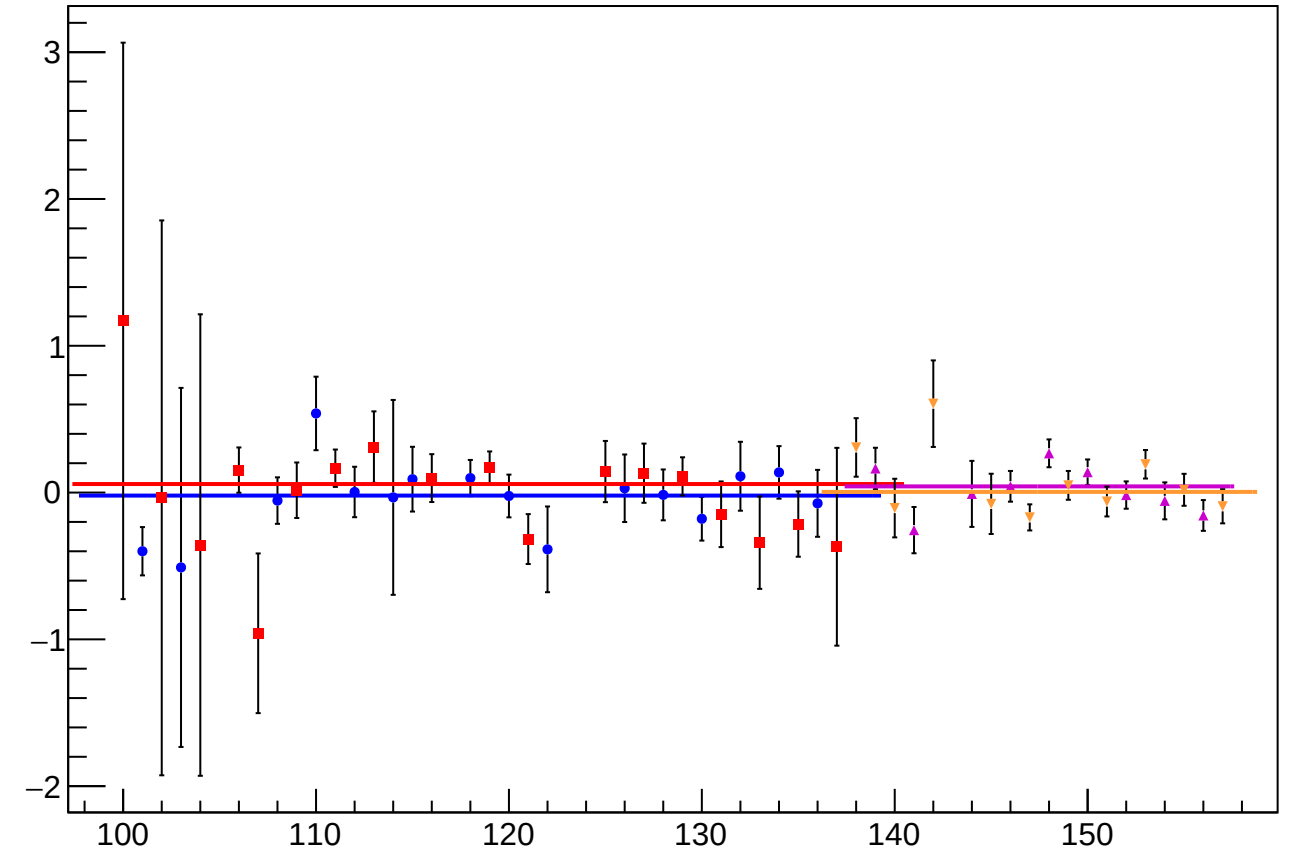
Left In: -0.000+/-0.000 χ^2/NDF:8.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/25

All: -0.000+/-0.000 χ^2/NDF: 46.5/52

- sign -0.000+/-0.000 χ^2/NDF: 17.9/26


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:661320.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:726322.2/8
+ sign 0.000+/-0.000 χ²/NDF: 2461708.9/25
All: 0.000+/-0.000 χ²/NDF: 5051143.8/52
- sign 0.000+/-0.000 χ²/NDF: 2556975.9/26



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

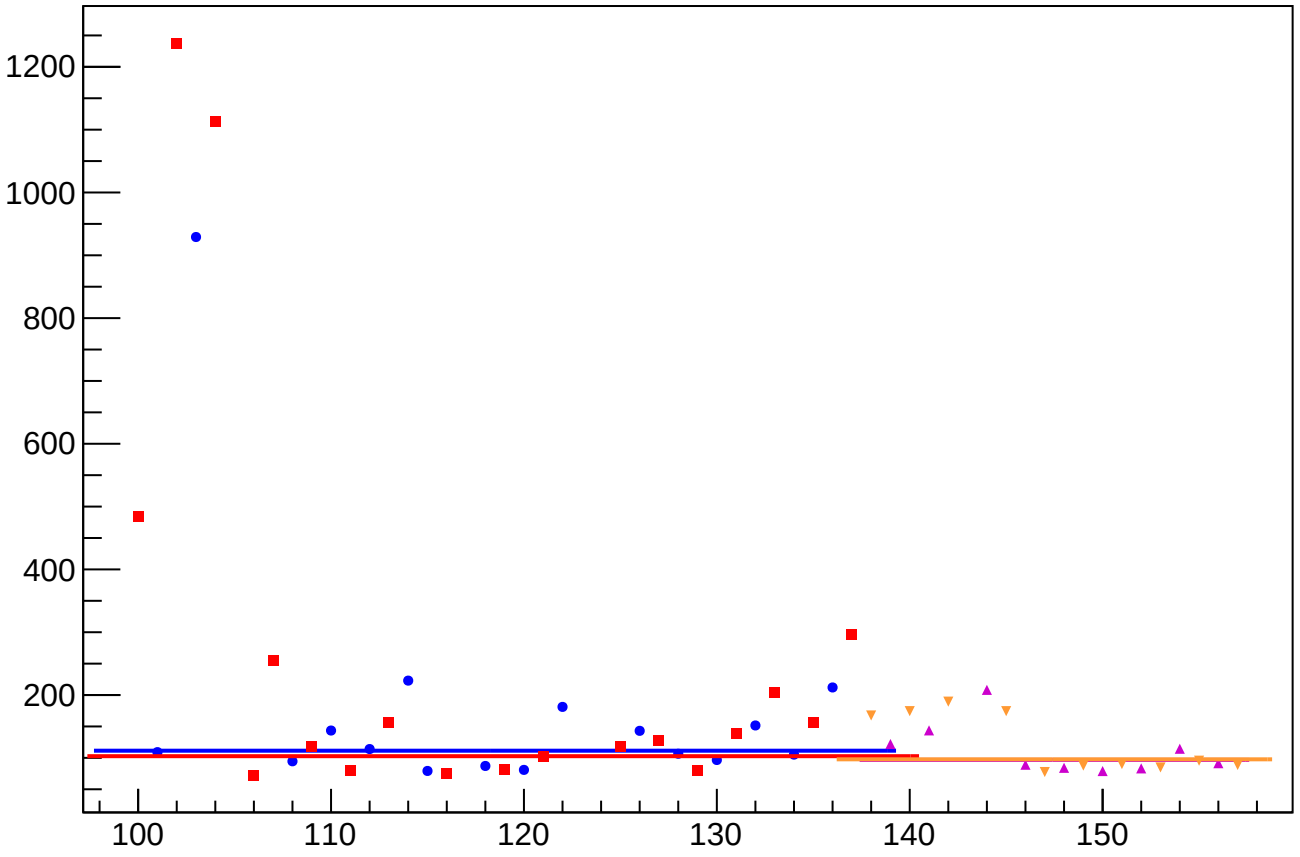
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.037 χ^2/NDF:15.8/8

\+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.022+/-0.021 χ^2/NDF: 66.1/52

\- sign 0.048+/-0.029 χ^2/NDF: 32.7/26



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.682+/-0.027 χ^2/NDF:1196468.7/9

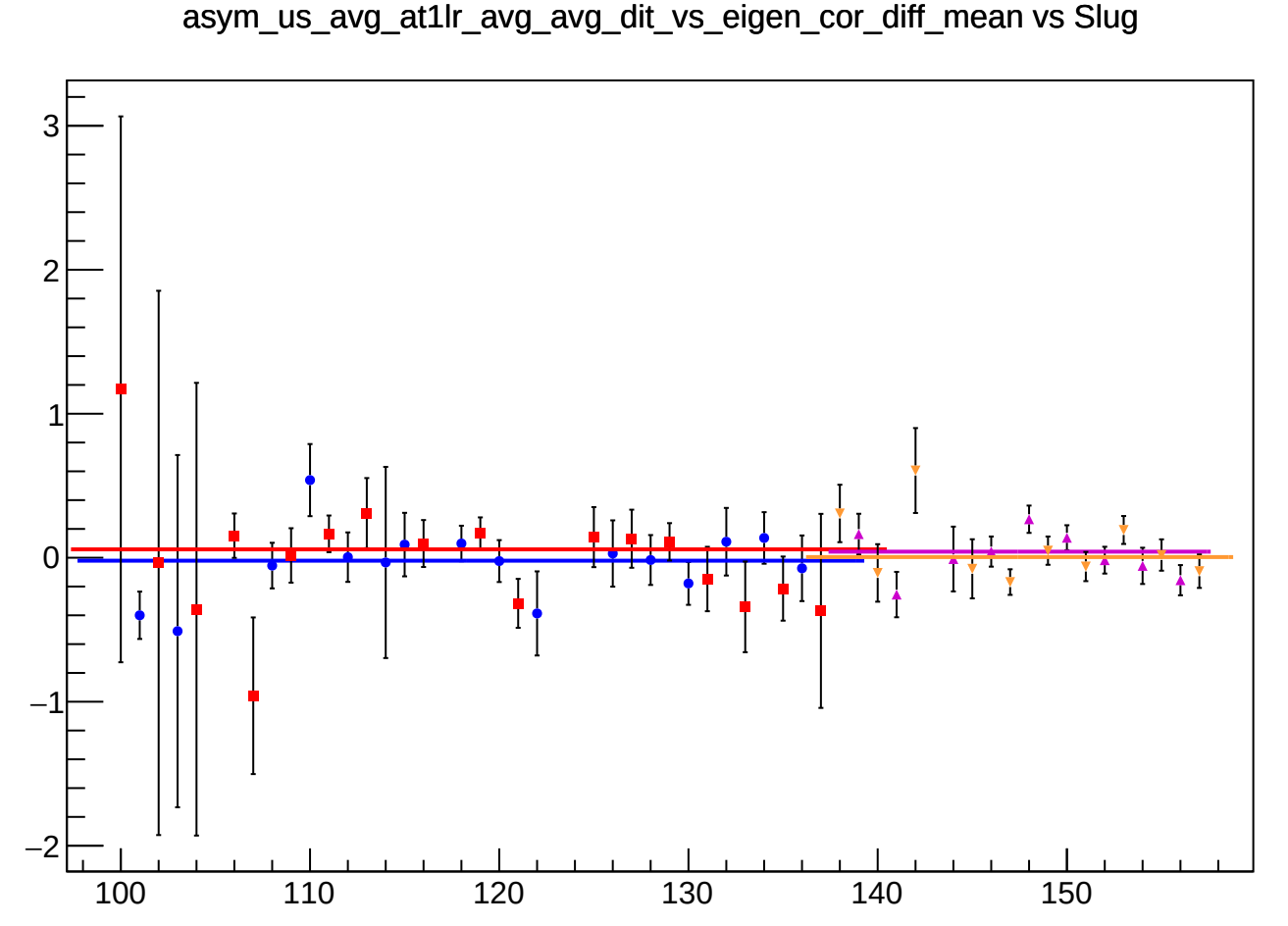
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.743+/-0.026 χ^2/NDF:949874.6/8

+ sign 103.092+/-0.021 χ^2/NDF: 3136436.8/25

All: 101.031+/-0.015 χ^2/NDF: 6951468.7/52

- sign 99.078+/-0.021 χ^2/NDF: 3796529.0/26



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

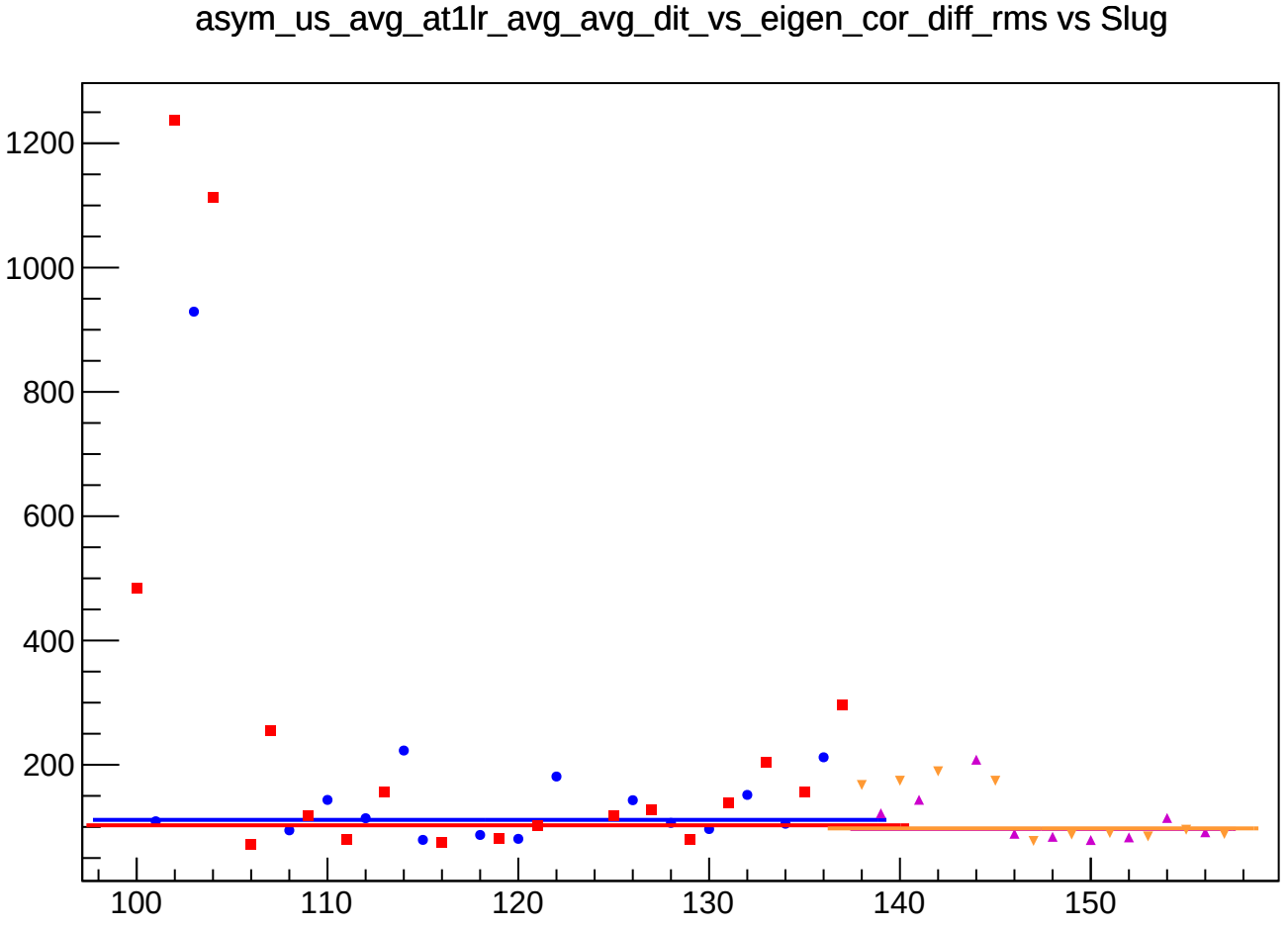
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.037 χ^2/NDF:15.8/8

+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.022+/-0.021 χ^2/NDF: 66.1/52

- sign 0.048+/-0.029 χ^2/NDF: 32.7/26



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 97.682+/-0.027 χ^2/NDF:1196468.7/9

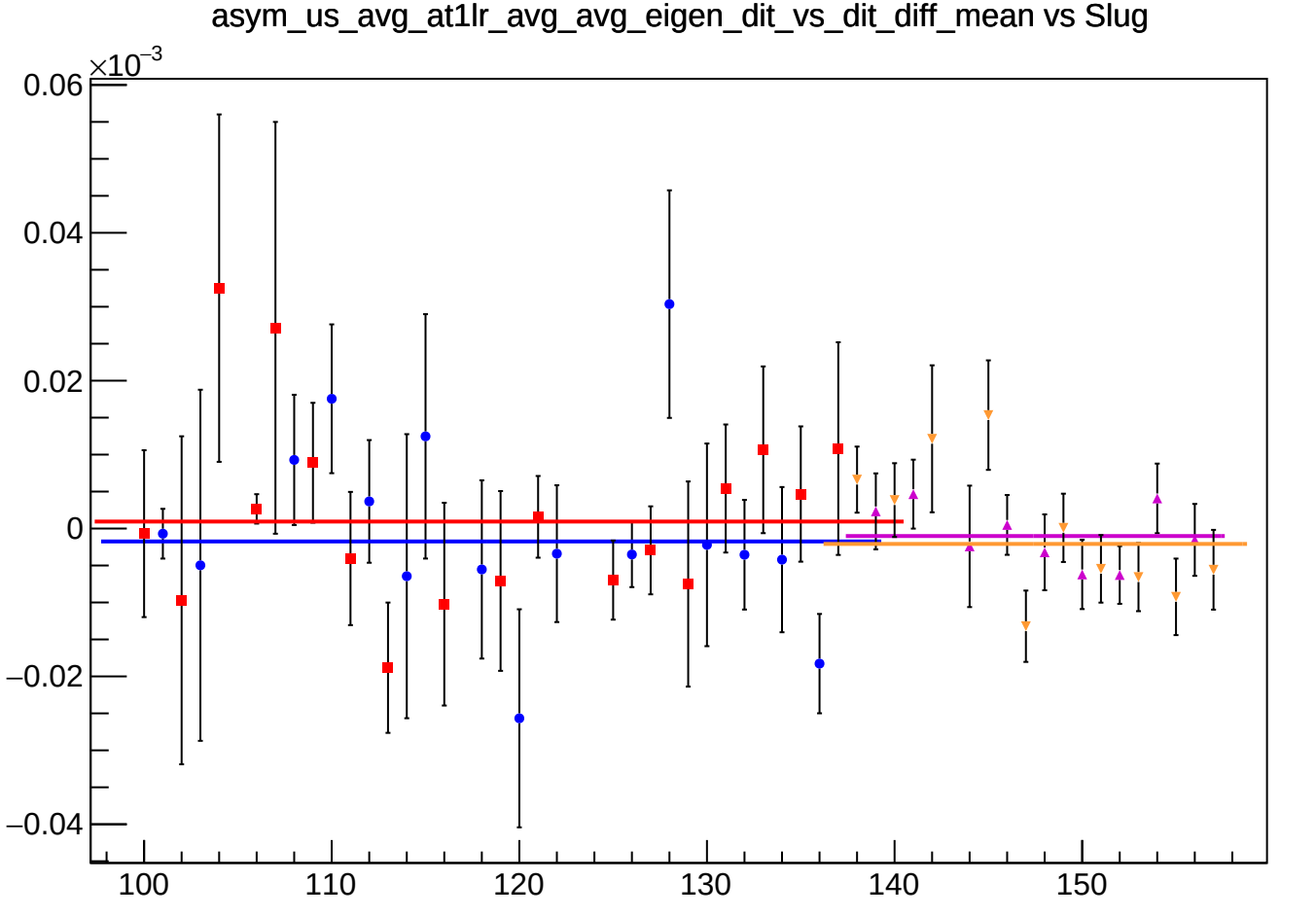
Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

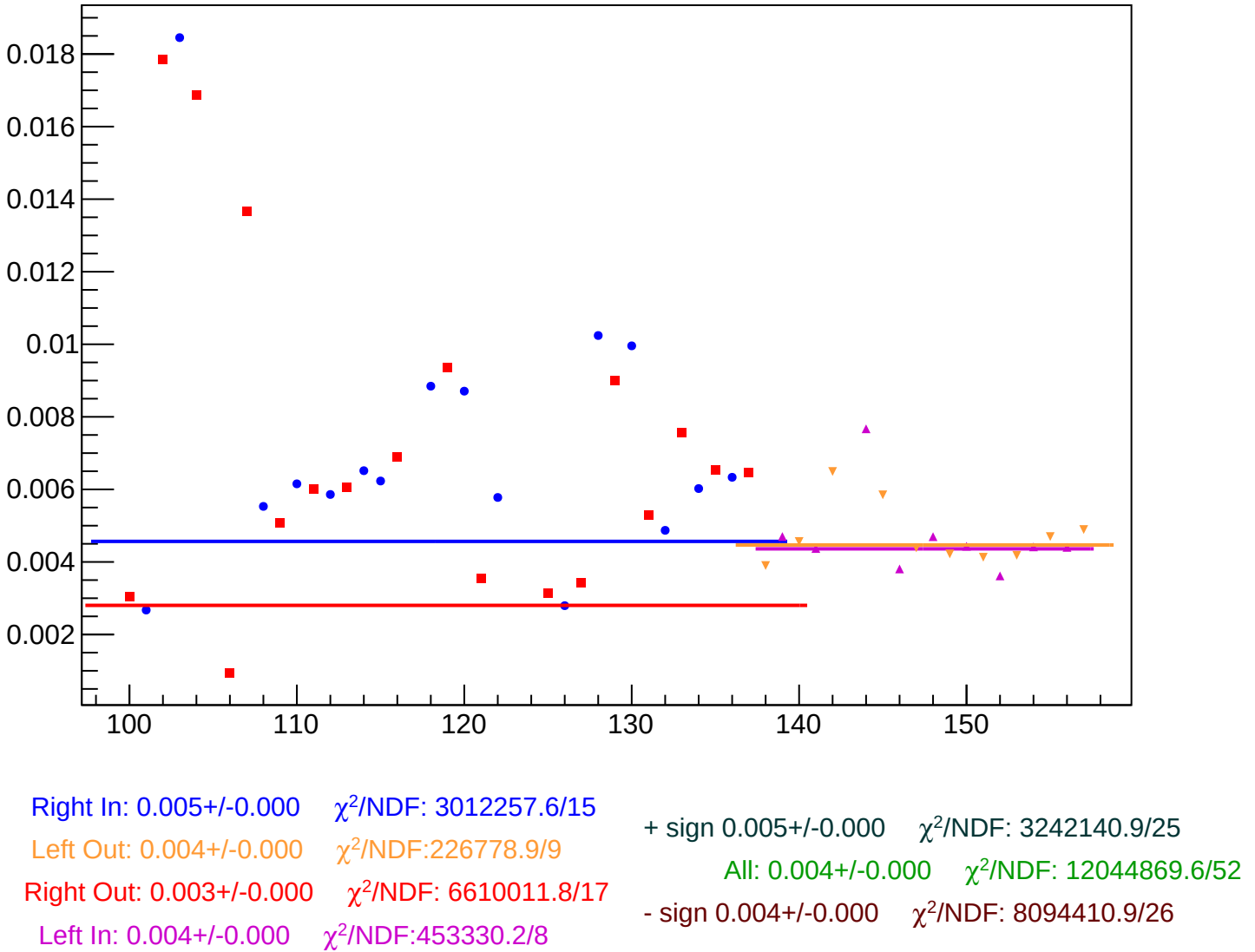
Left In: 96.743+/-0.026 χ^2/NDF:949874.6/8

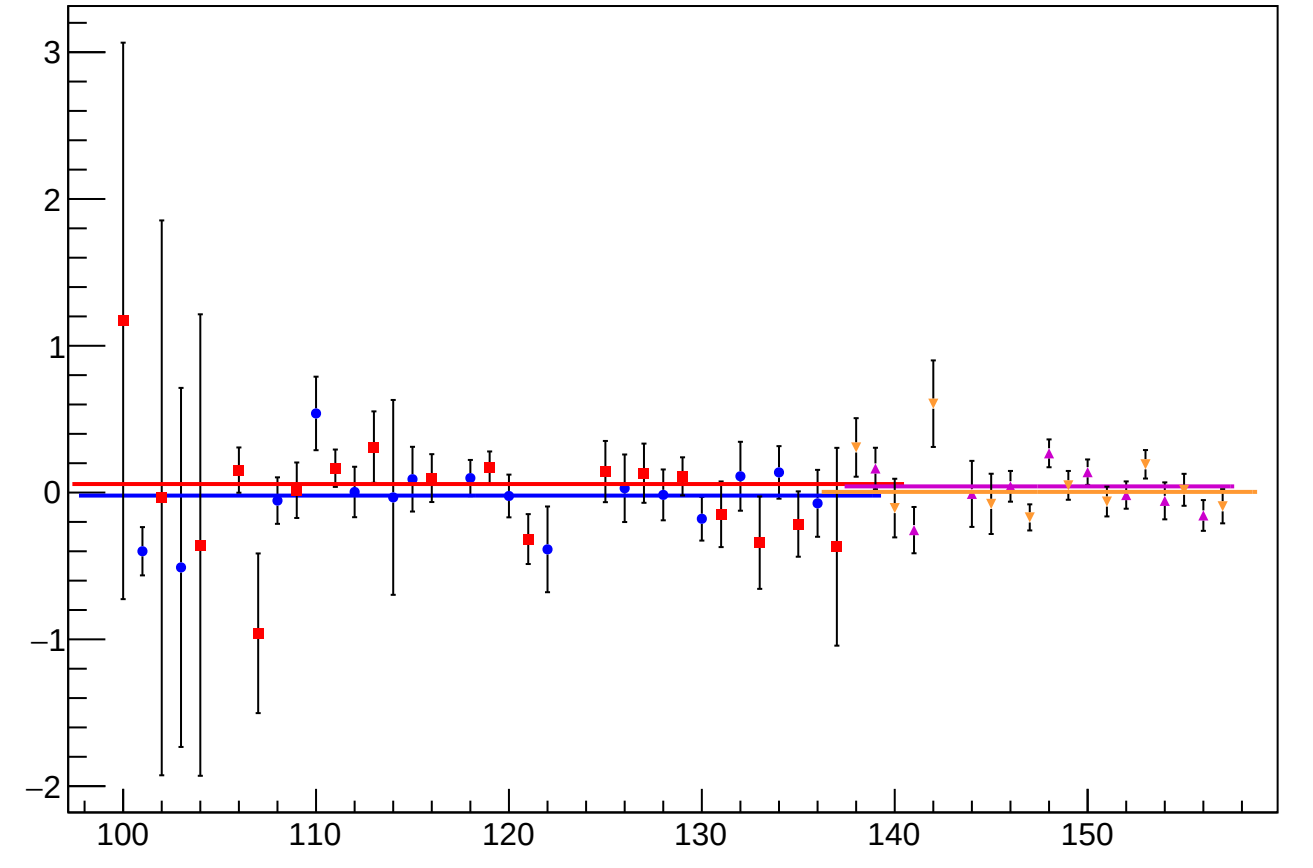
+ sign 103.092+/-0.021 χ^2/NDF: 3136436.8/25

All: 101.031+/-0.015 χ^2/NDF: 6951468.7/52

- sign 99.078+/-0.021 χ^2/NDF: 3796529.0/26


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:22.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:6.5/8
+ sign -0.000+/-0.000 χ²/NDF: 42.2/25
All: -0.000+/-0.000 χ²/NDF: 66.7/52
- sign 0.000+/-0.000 χ²/NDF: 23.0/26


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:226778.9/9
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:453330.2/8
+ sign 0.005+/-0.000 χ²/NDF: 3242140.9/25
All: 0.004+/-0.000 χ²/NDF: 12044869.6/52
- sign 0.004+/-0.000 χ²/NDF: 8094410.9/26



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

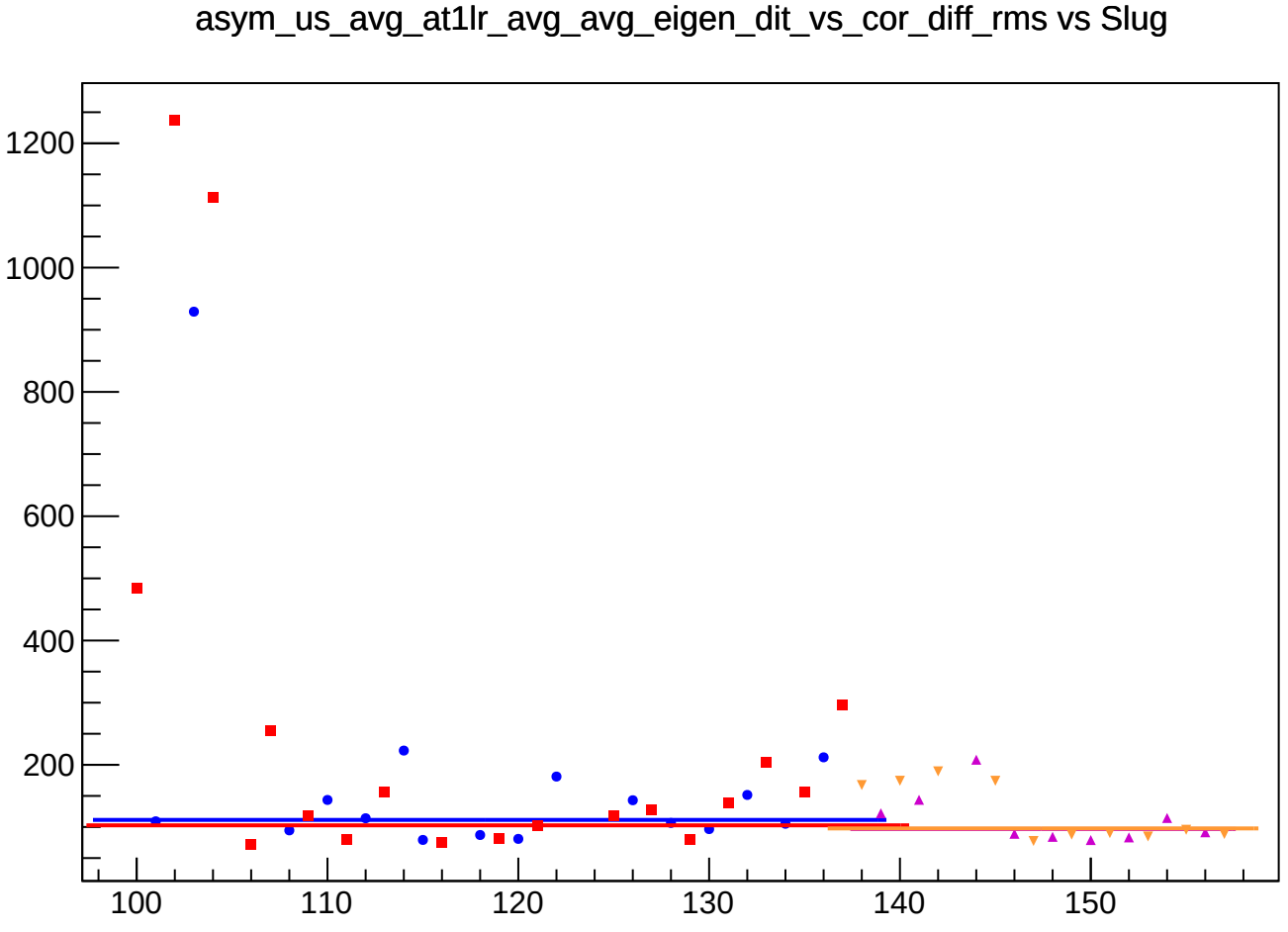
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.037 χ^2/NDF:15.8/8

+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.022+/-0.021 χ^2/NDF: 66.1/52

- sign 0.048+/-0.029 χ^2/NDF: 32.7/26



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.683+/-0.027 χ^2/NDF:1196452.4/9

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

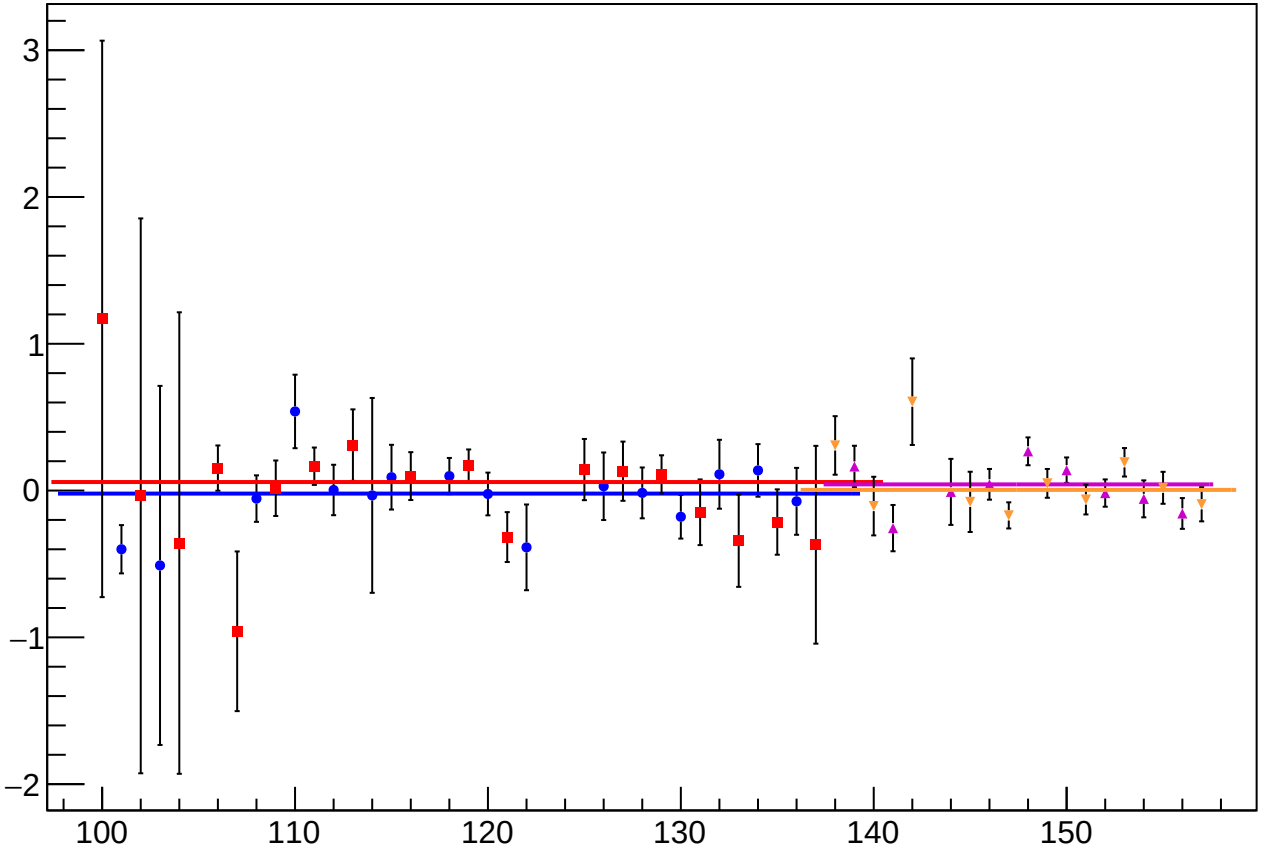
Left In: 96.743+/-0.026 χ^2/NDF:949861.6/8

+ sign 103.091+/-0.021 χ^2/NDF: 3136427.6/25

All: 101.031+/-0.015 χ^2/NDF: 6951424.7/52

- sign 99.077+/-0.021 χ^2/NDF: 3796498.8/26

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.005+/-0.038 χ^2/NDF:15.9/9

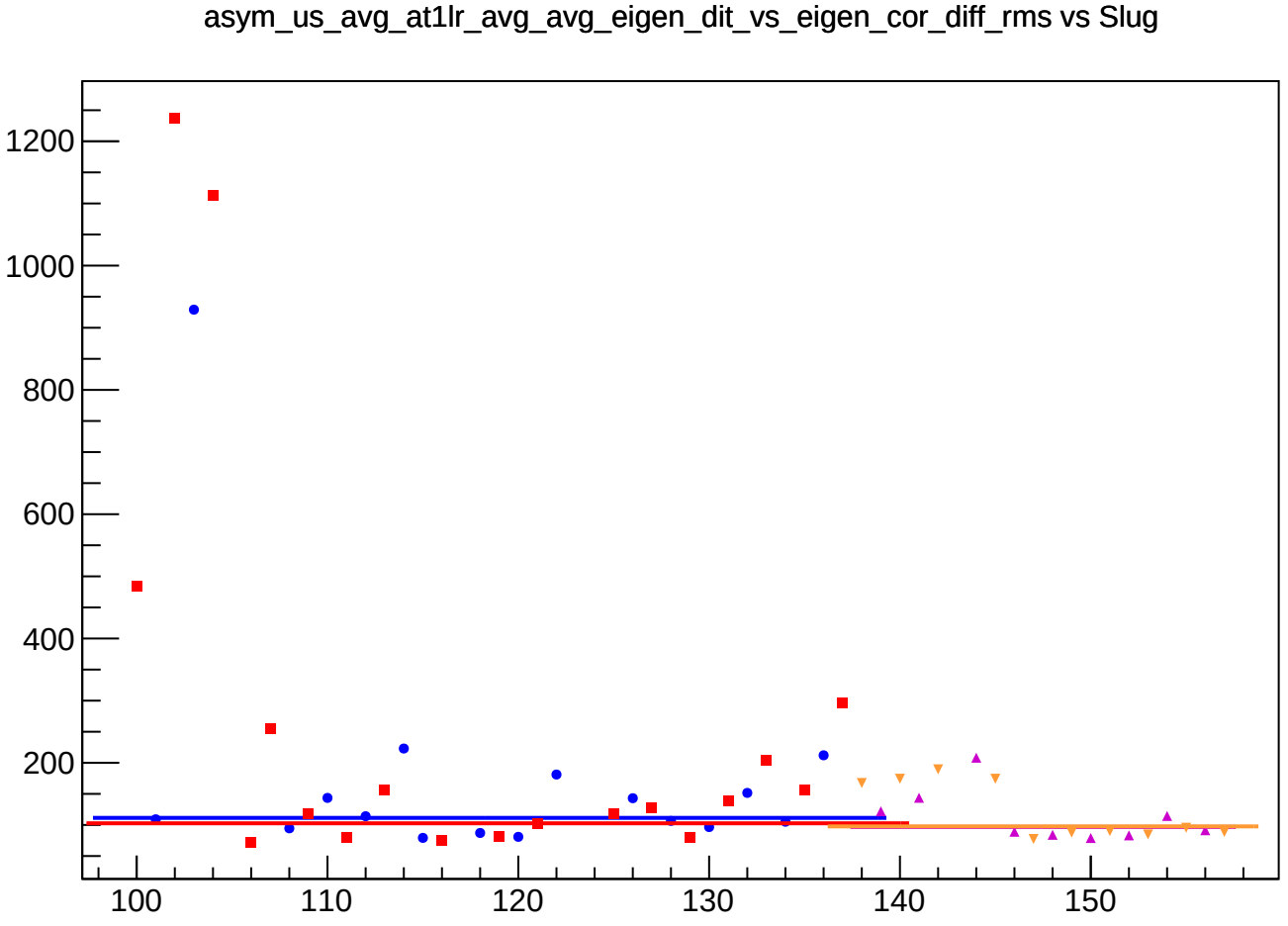
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.042+/-0.037 χ^2/NDF:15.8/8

+ sign -0.005+/-0.030 χ^2/NDF: 31.6/25

All: 0.022+/-0.021 χ^2/NDF: 66.1/52

- sign 0.048+/-0.029 χ^2/NDF: 32.7/26



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 97.683+/-0.027 χ^2/NDF:1196452.4/9

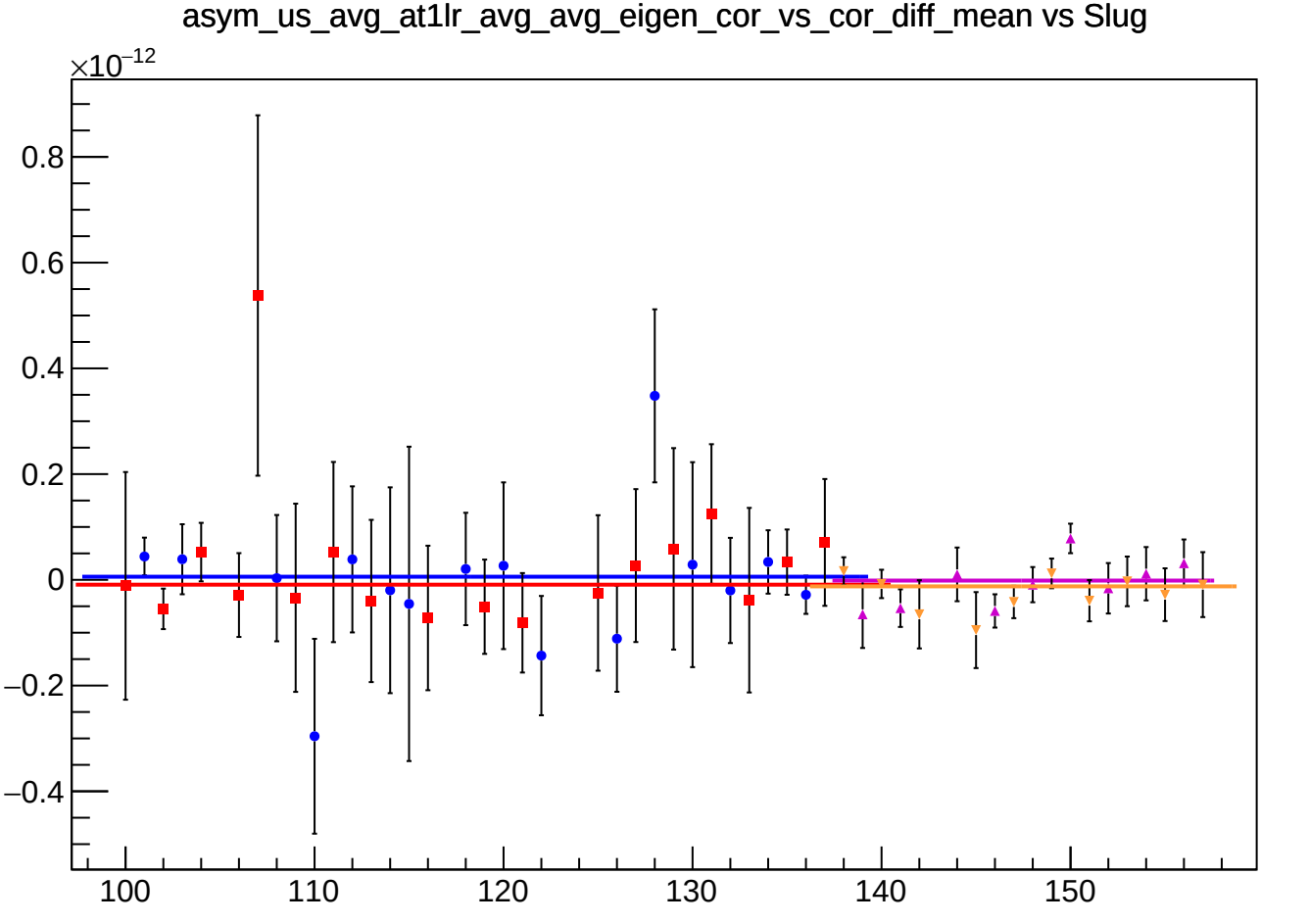
Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

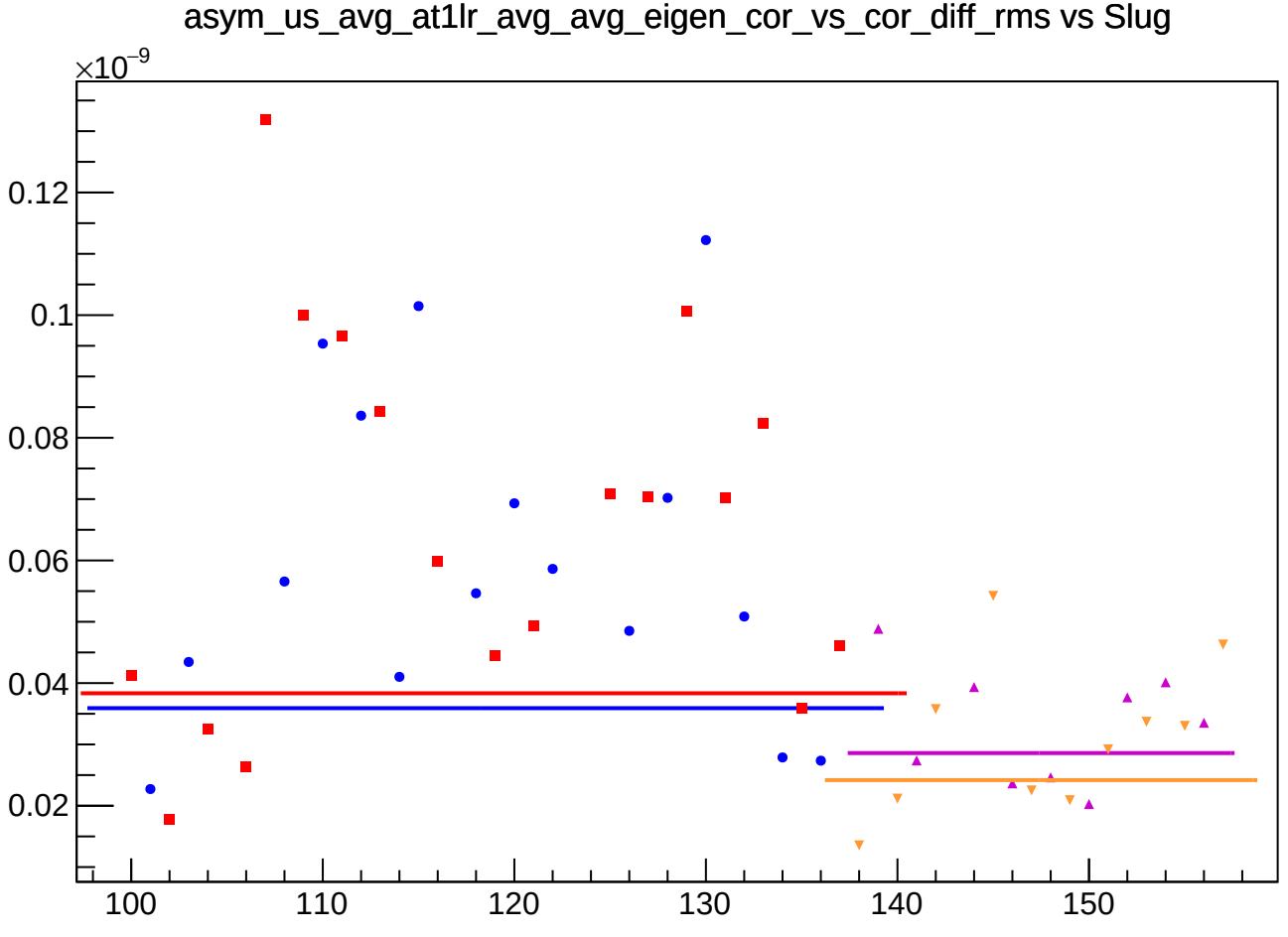
Left In: 96.743+/-0.026 χ^2/NDF:949861.6/8

+ sign 103.091+/-0.021 χ^2/NDF: 3136427.6/25

All: 101.031+/-0.015 χ^2/NDF: 6951424.7/52

- sign 99.077+/-0.021 χ^2/NDF: 3796498.8/26


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:15.4/8
+ sign -0.000+/-0.000 χ²/NDF: 19.1/25
All: -0.000+/-0.000 χ²/NDF: 43.4/52
- sign -0.000+/-0.000 χ²/NDF: 24.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237921.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

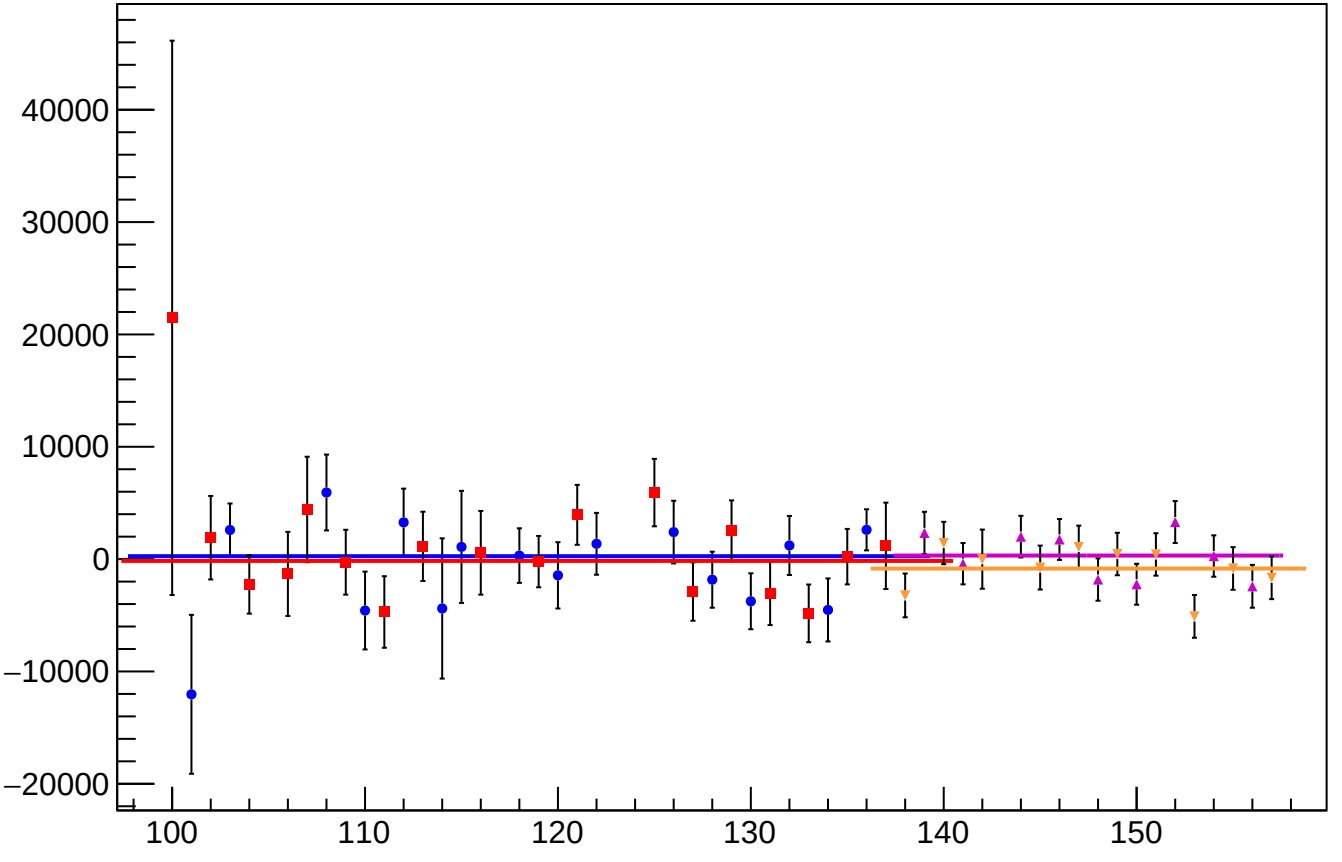
Left In: 0.000+/-0.000 χ^2/NDF:750681.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 3543826.4/25

All: 0.000+/-0.000 χ^2/NDF: 6927857.6/52

- sign 0.000+/-0.000 χ^2/NDF: 3252123.4/26

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.079+/-618.058 χ^2/NDF:10.2/9

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

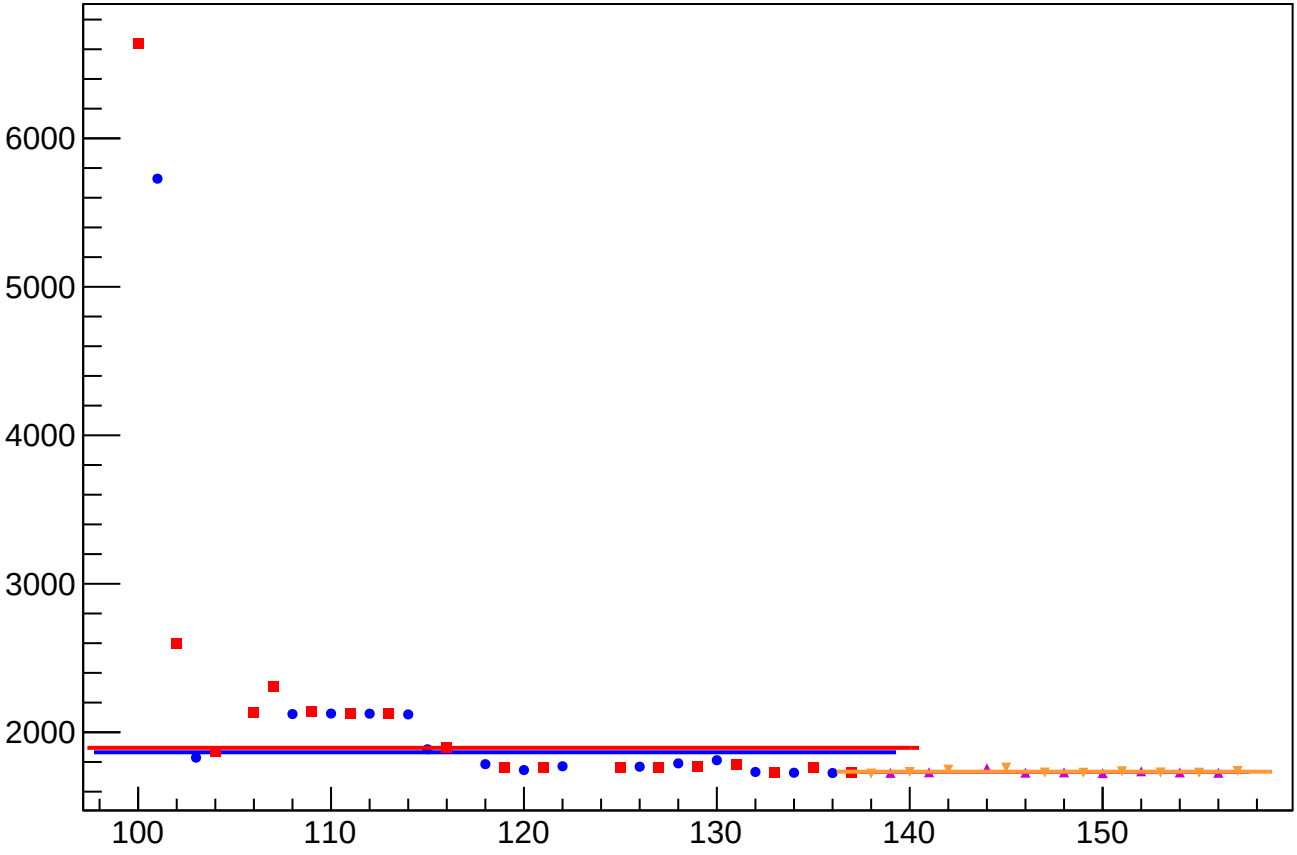
Left In: 317.883+/-618.675 χ^2/NDF:10.6/8

\+ sign -365.822+/-466.088 χ^2/NDF: 31.0/25

All: -127.084+/-329.928 χ^2/NDF: 60.5/52

\- sign 112.685+/-467.092 χ^2/NDF: 29.0/26

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

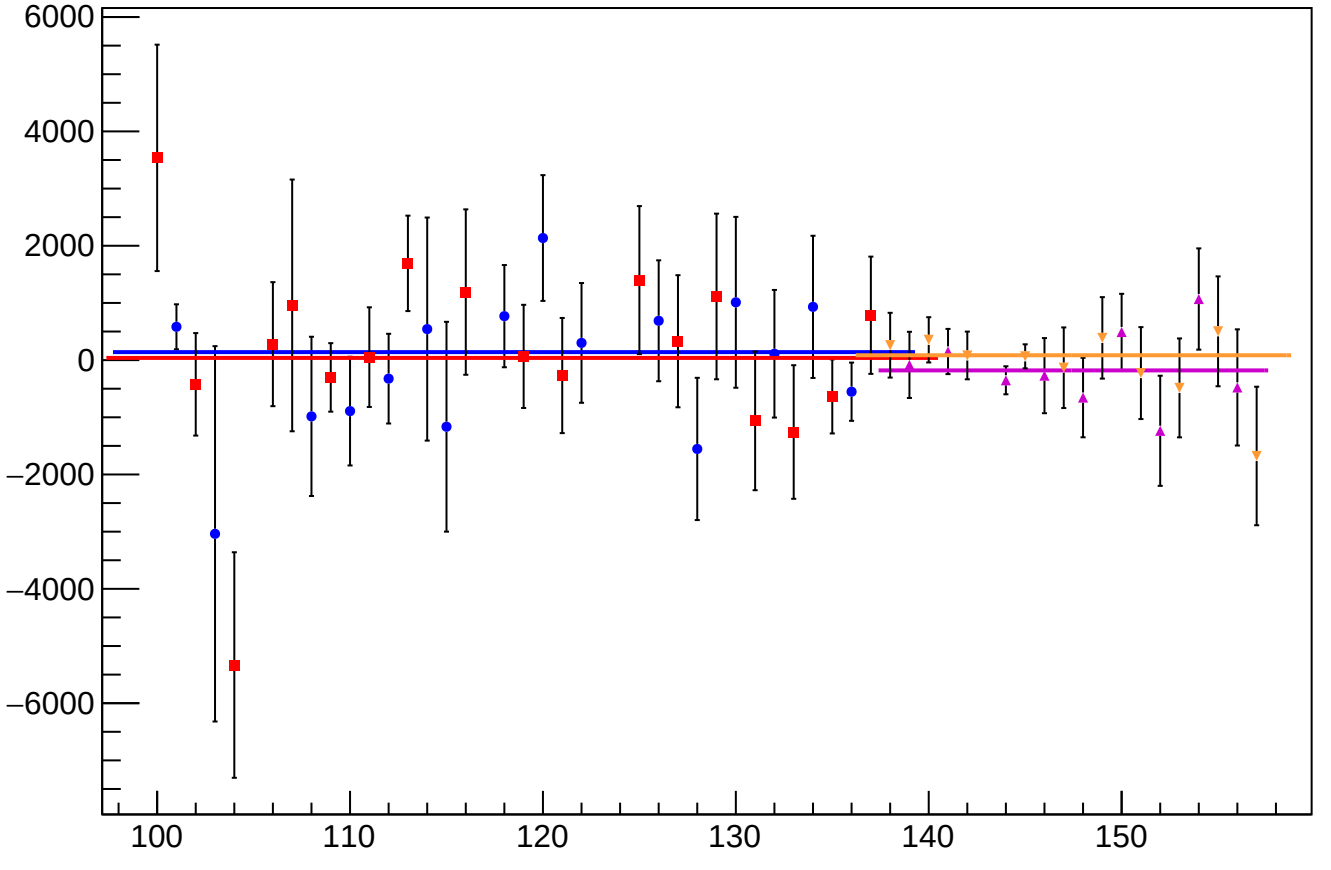
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1732.563+/-0.437 χ^2/NDF:479.7/8

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.5/25

All: 1796.676+/-0.233 χ^2/NDF: 1023298.5/52

- sign 1802.517+/-0.330 χ^2/NDF: 310752.9/26



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 85.020+/-146.532 χ^2/NDF:3.7/9

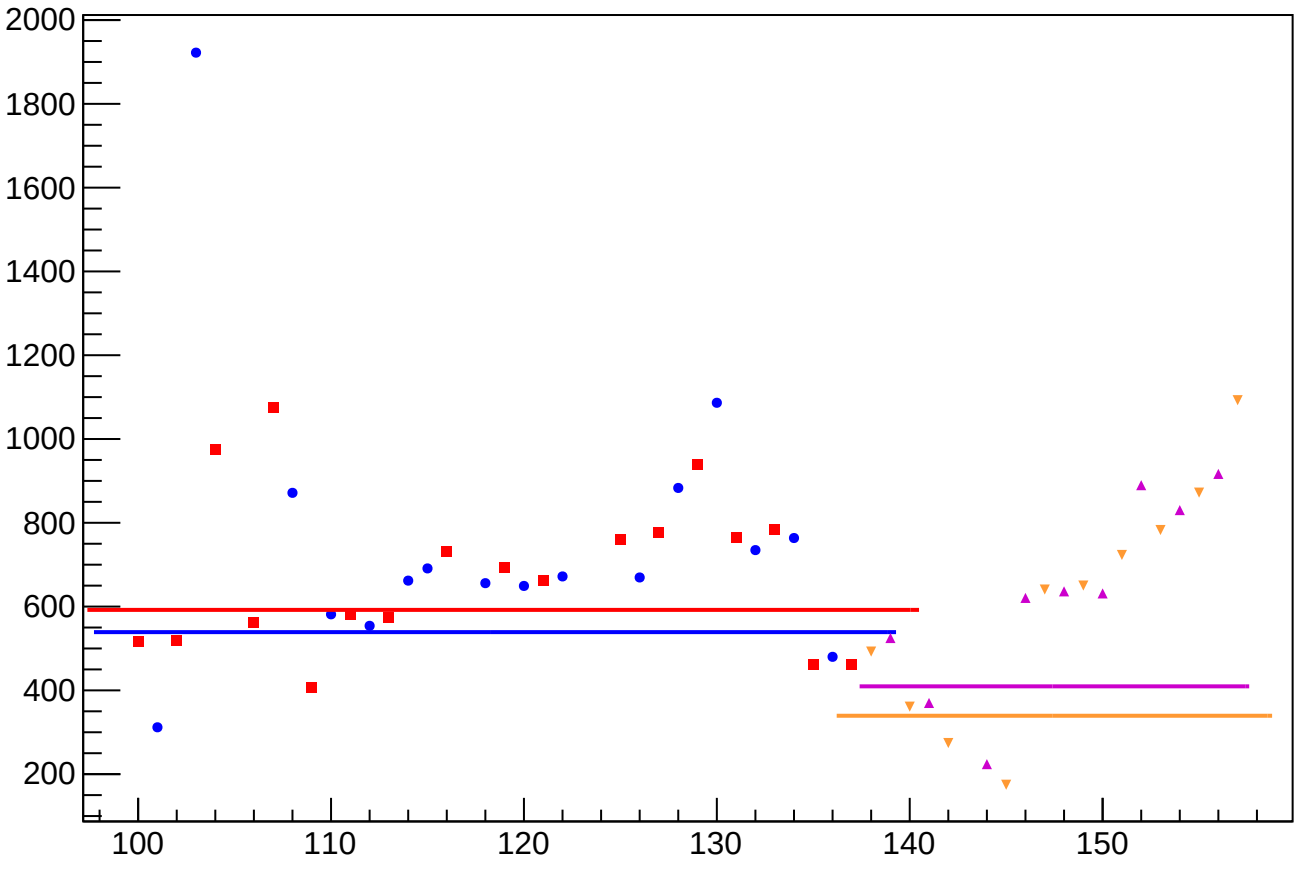
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -179.885+/-166.682 χ^2/NDF:6.0/8

+ sign 101.843+/-121.973 χ^2/NDF: 17.2/25

All: 8.701+/-90.975 χ^2/NDF: 46.5/52

- sign -108.080+/-136.577 χ^2/NDF: 28.0/26



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 339.420+/-0.104 χ^2/NDF:4546557.4/9

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

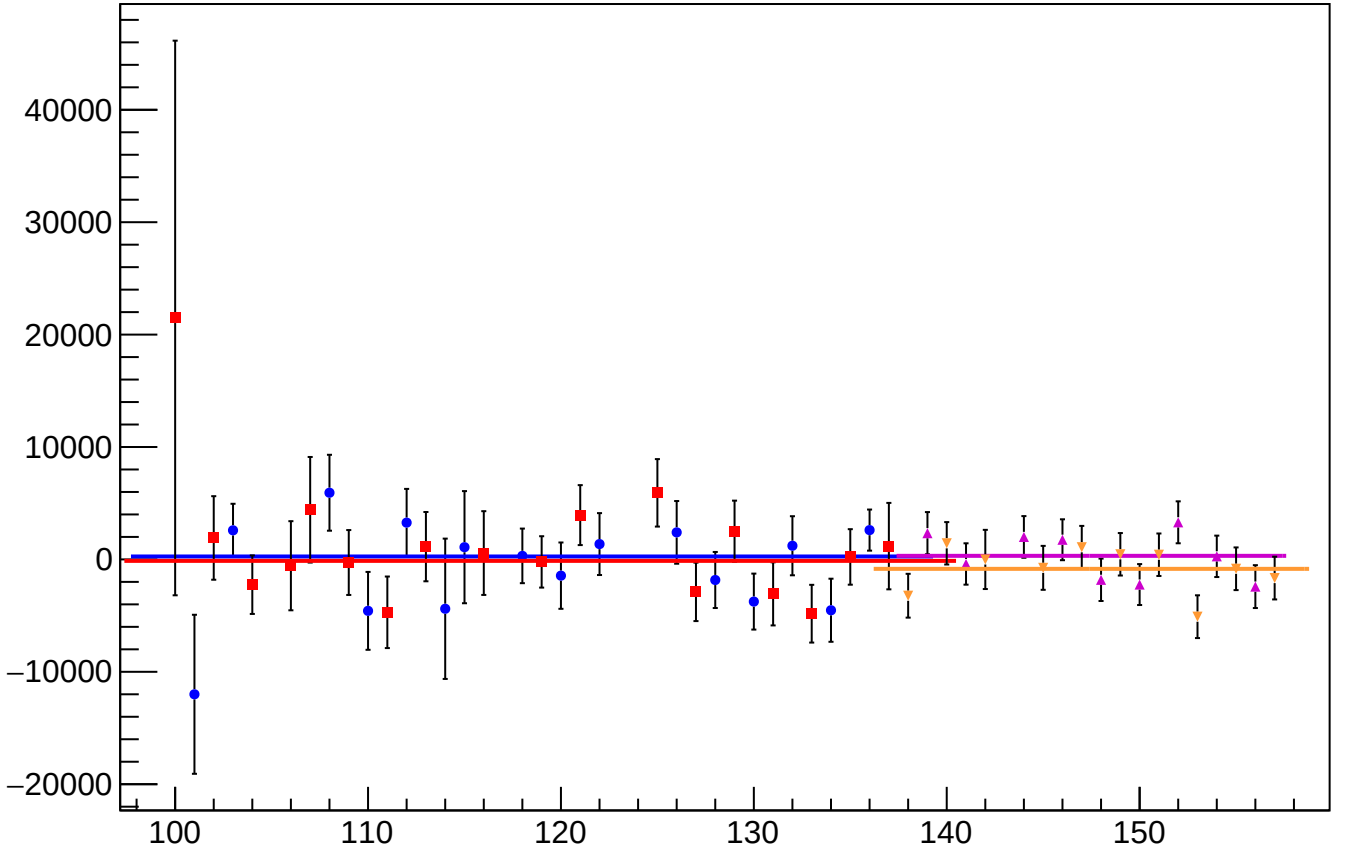
Left In: 409.603+/-0.118 χ^2/NDF:3335034.8/8

+ sign 400.717+/-0.086 χ^2/NDF: 7540754.1/25

All: 431.268+/-0.064 χ^2/NDF: 12789502.7/52

- sign 469.573+/-0.097 χ^2/NDF: 4965954.5/26

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -840.032+/-618.058 χ^2/NDF:10.2/9

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

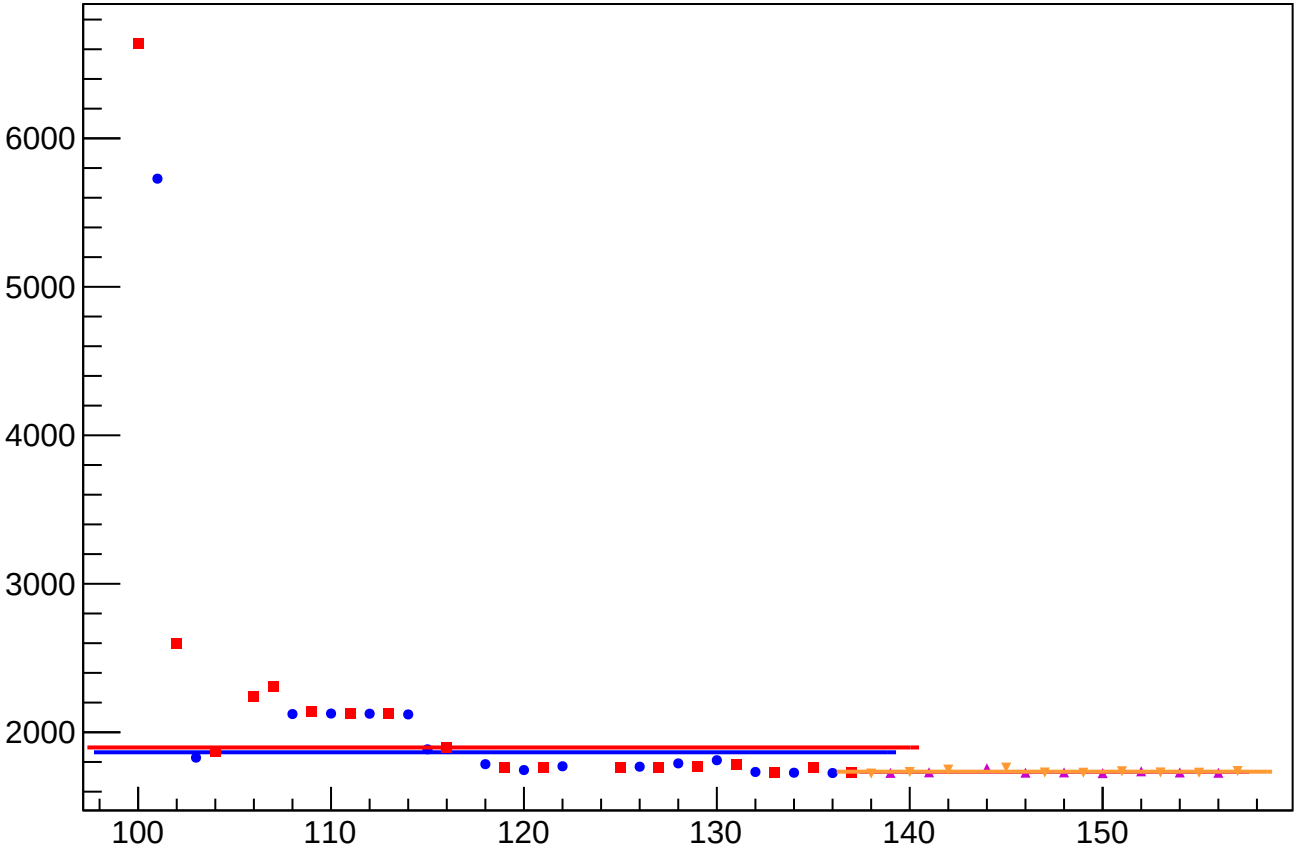
Left In: 318.003+/-618.675 χ^2/NDF:10.6/8

\+ sign -365.714+/-466.088 χ^2/NDF: 31.0/25

All: -120.706+/-330.068 χ^2/NDF: 60.4/52

\- sign 125.778+/-467.489 χ^2/NDF: 28.8/26

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

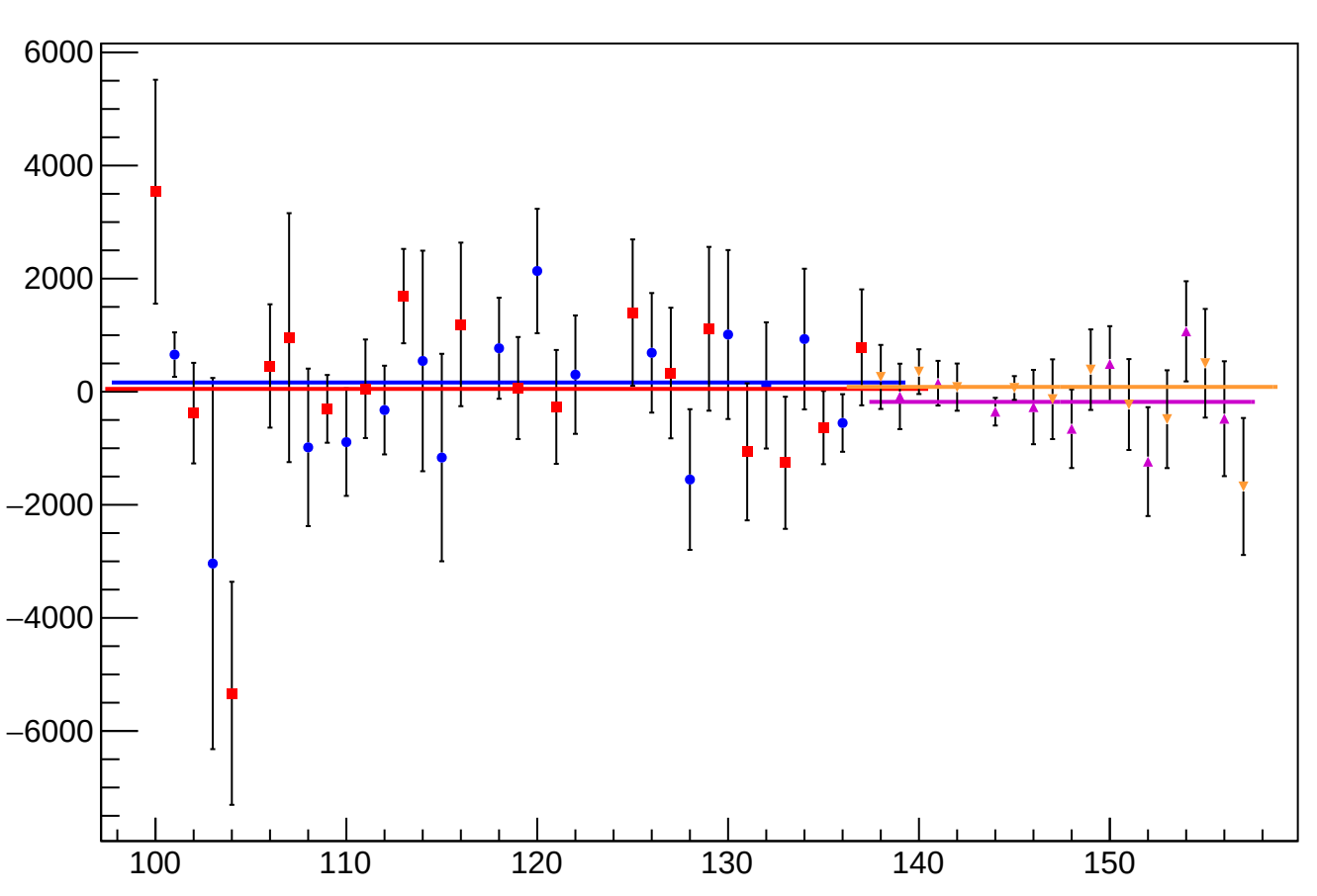
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1732.563+/-0.437 χ^2/NDF:479.7/8

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.3/25

All: 1797.117+/-0.233 χ^2/NDF: 1031992.5/52

- sign 1803.411+/-0.331 χ^2/NDF: 319348.3/26



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

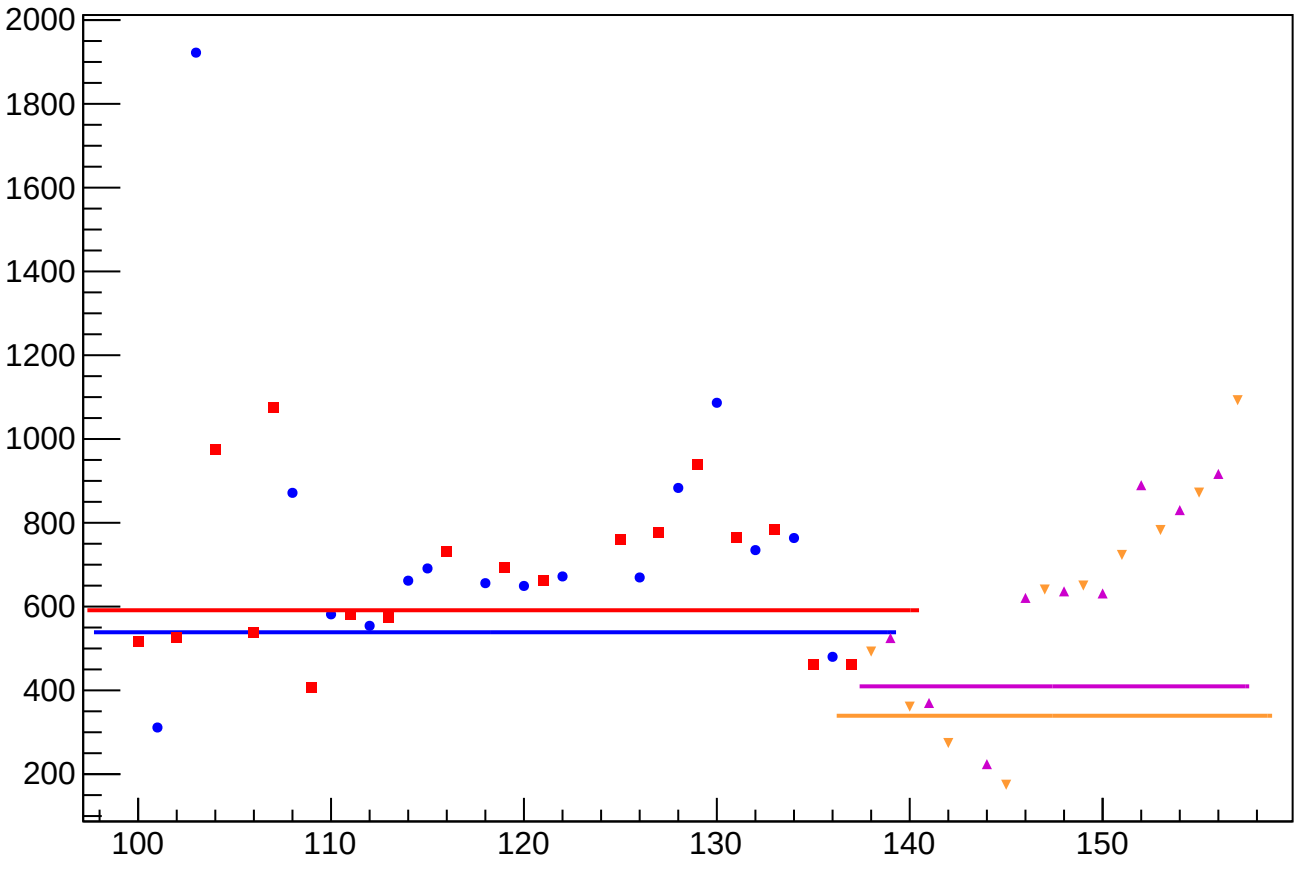
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -179.877+/-166.683 χ^2/NDF:6.0/8

+ sign 108.940+/-121.962 χ^2/NDF: 17.7/25

All: 14.266+/-90.967 χ^2/NDF: 47.1/52

- sign -104.440+/-136.567 χ^2/NDF: 28.1/26



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 339.428+/-0.104 χ^2/NDF:4546454.2/9

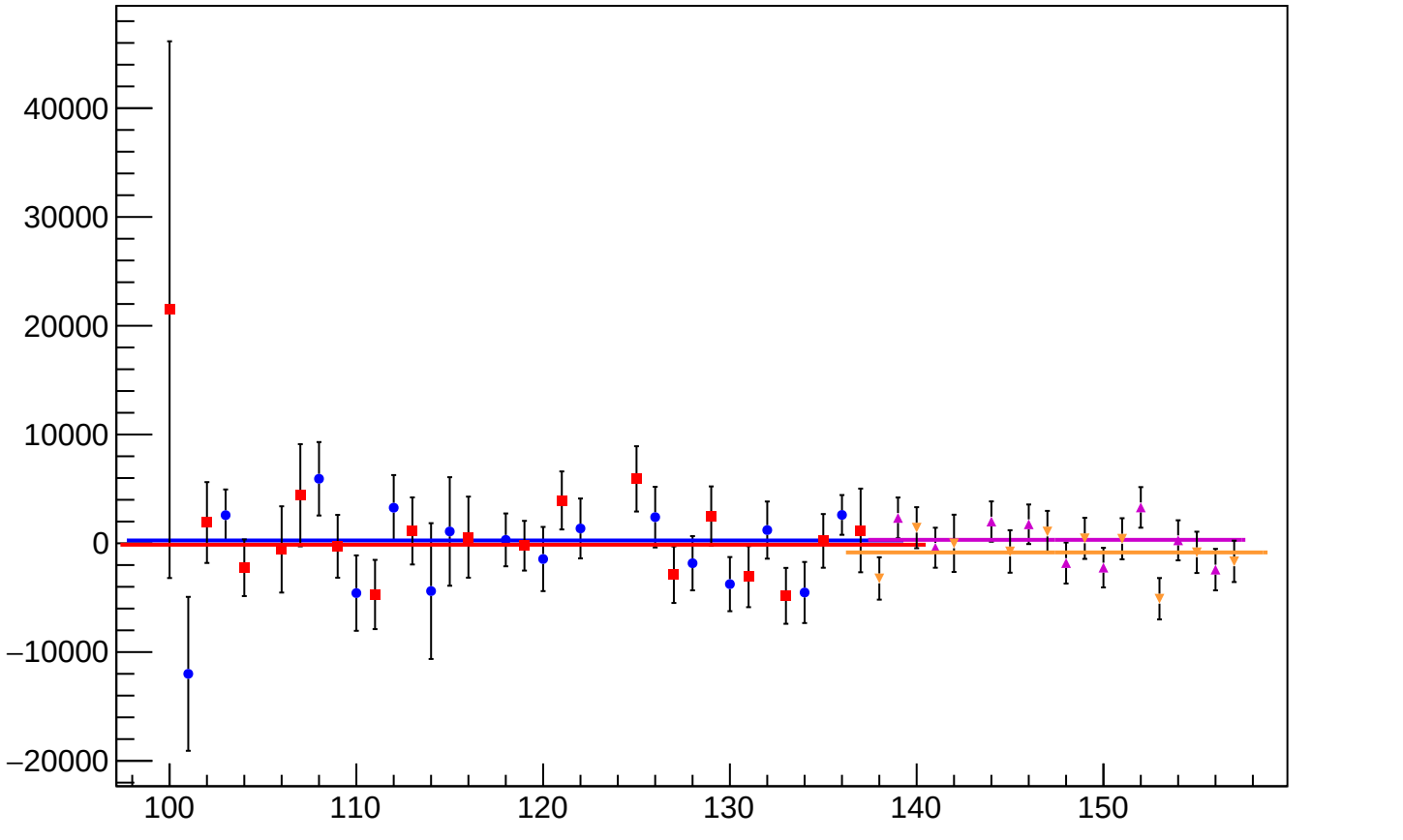
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 409.612+/-0.118 χ^2/NDF:3334739.3/8

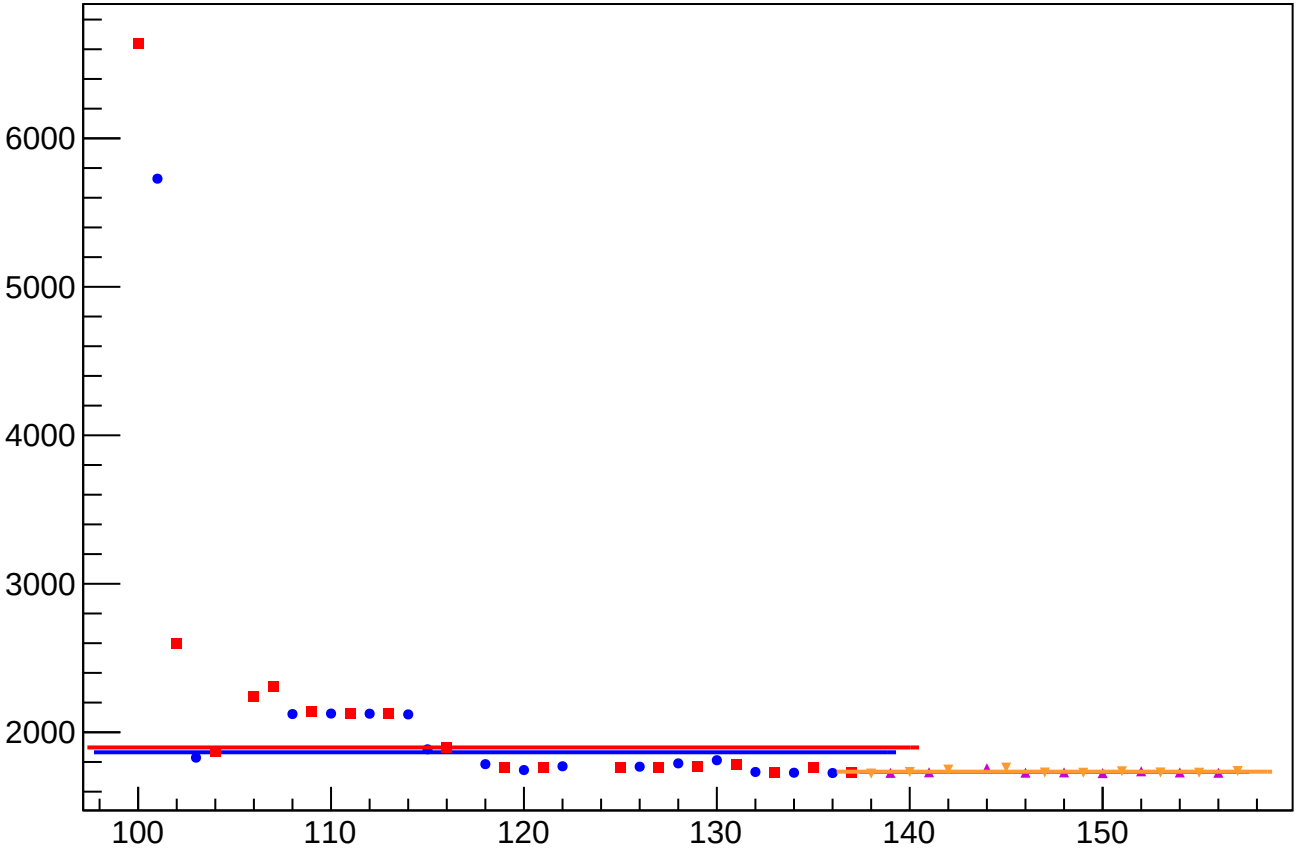
+ sign 400.658+/-0.086 χ^2/NDF: 7541833.9/25

All: 431.120+/-0.064 χ^2/NDF: 12782940.0/52

- sign 469.316+/-0.097 χ^2/NDF: 4959891.6/26


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -840.032+/-618.058 χ²/NDF:10.2/9
Right Out: -130.049+/-713.724 χ²/NDF: 18.0/17
Left In: 318.003+/-618.675 χ²/NDF:10.6/8
+ sign -365.714+/-466.088 χ²/NDF: 31.0/25
All: -120.706+/-330.068 χ²/NDF: 60.4/52
- sign 125.778+/-467.489 χ²/NDF: 28.8/26

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.503+/-0.437 χ^2/NDF:640.6/9

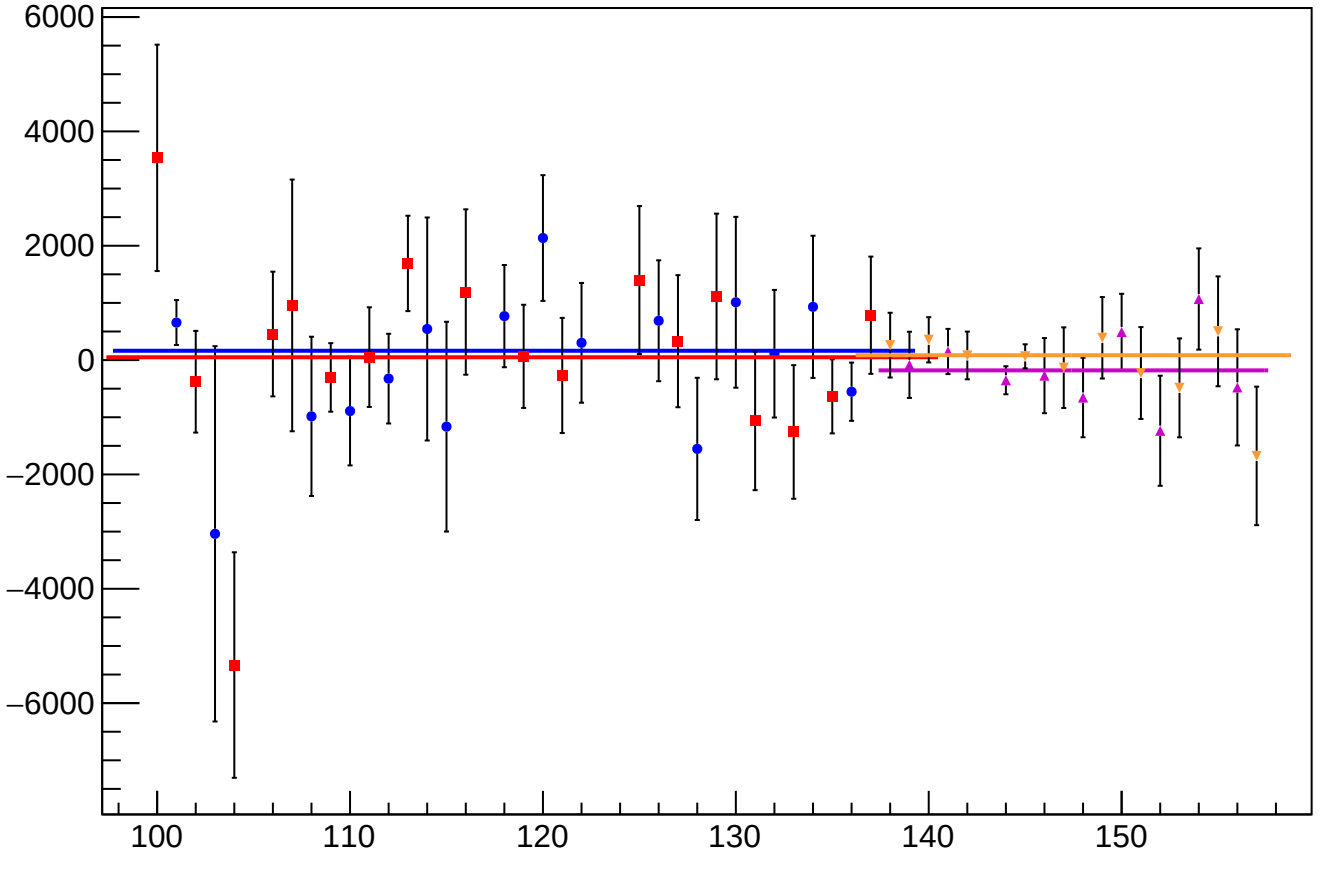
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1732.563+/-0.437 χ^2/NDF:479.7/8

+ sign 1790.861+/-0.330 χ^2/NDF: 711921.3/25

All: 1797.117+/-0.233 χ^2/NDF: 1031992.5/52

- sign 1803.411+/-0.331 χ^2/NDF: 319348.3/26



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 84.896+/-146.535 χ^2/NDF:3.7/9

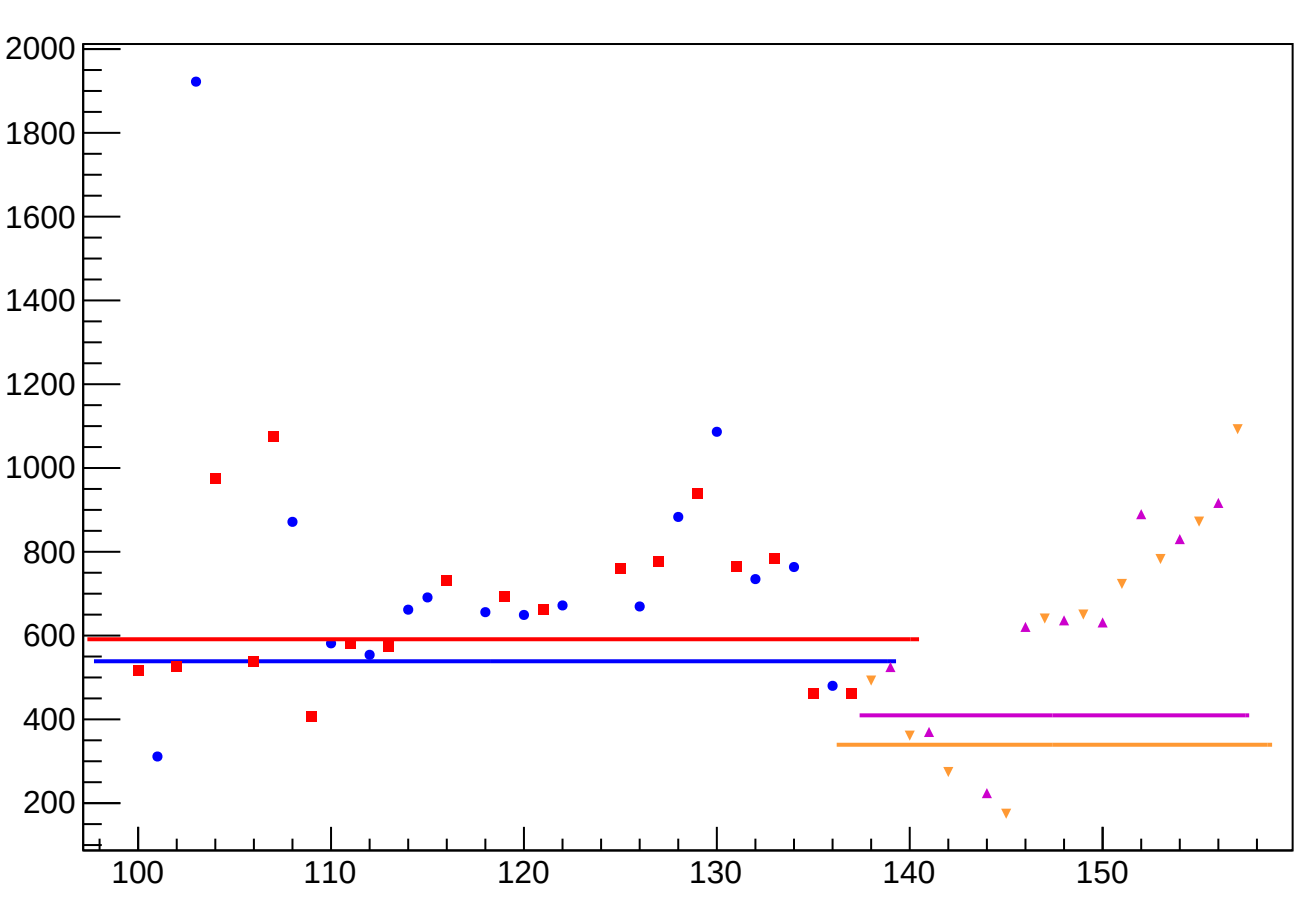
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -179.877+/-166.683 χ^2/NDF:6.0/8

\+ sign 108.940+/-121.962 χ^2/NDF: 17.7/25

All: 14.266+/-90.967 χ^2/NDF: 47.1/52

\- sign -104.440+/-136.567 χ^2/NDF: 28.1/26



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 339.428+/-0.104 χ^2/NDF:4546454.2/9

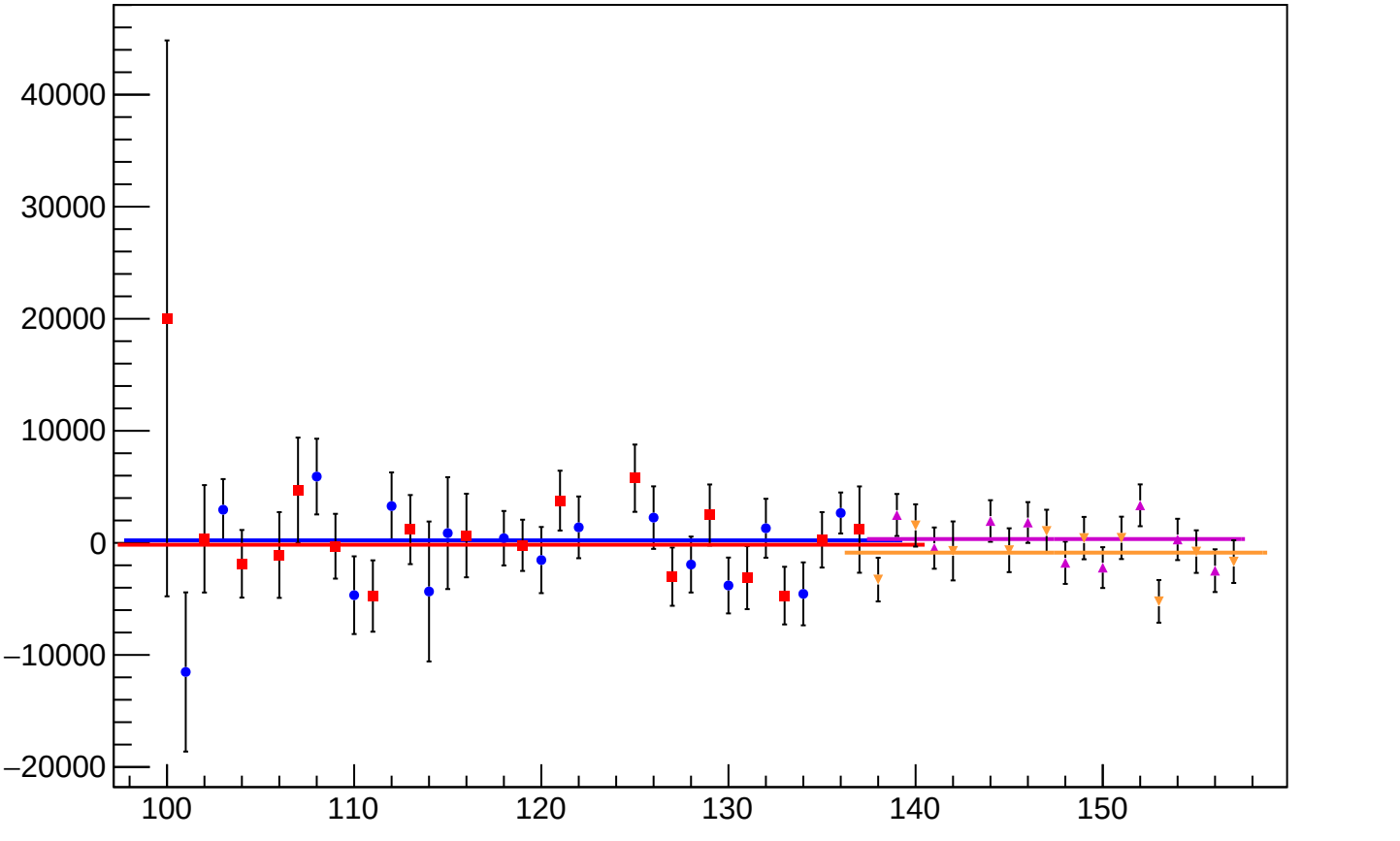
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 409.612+/-0.118 χ^2/NDF:3334739.3/8

+ sign 400.658+/-0.086 χ^2/NDF: 7541833.9/25

All: 431.120+/-0.064 χ^2/NDF: 12782940.0/52

- sign 469.316+/-0.097 χ^2/NDF: 4959891.6/26



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -871.270+/-618.484 χ^2/NDF:10.6/9

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

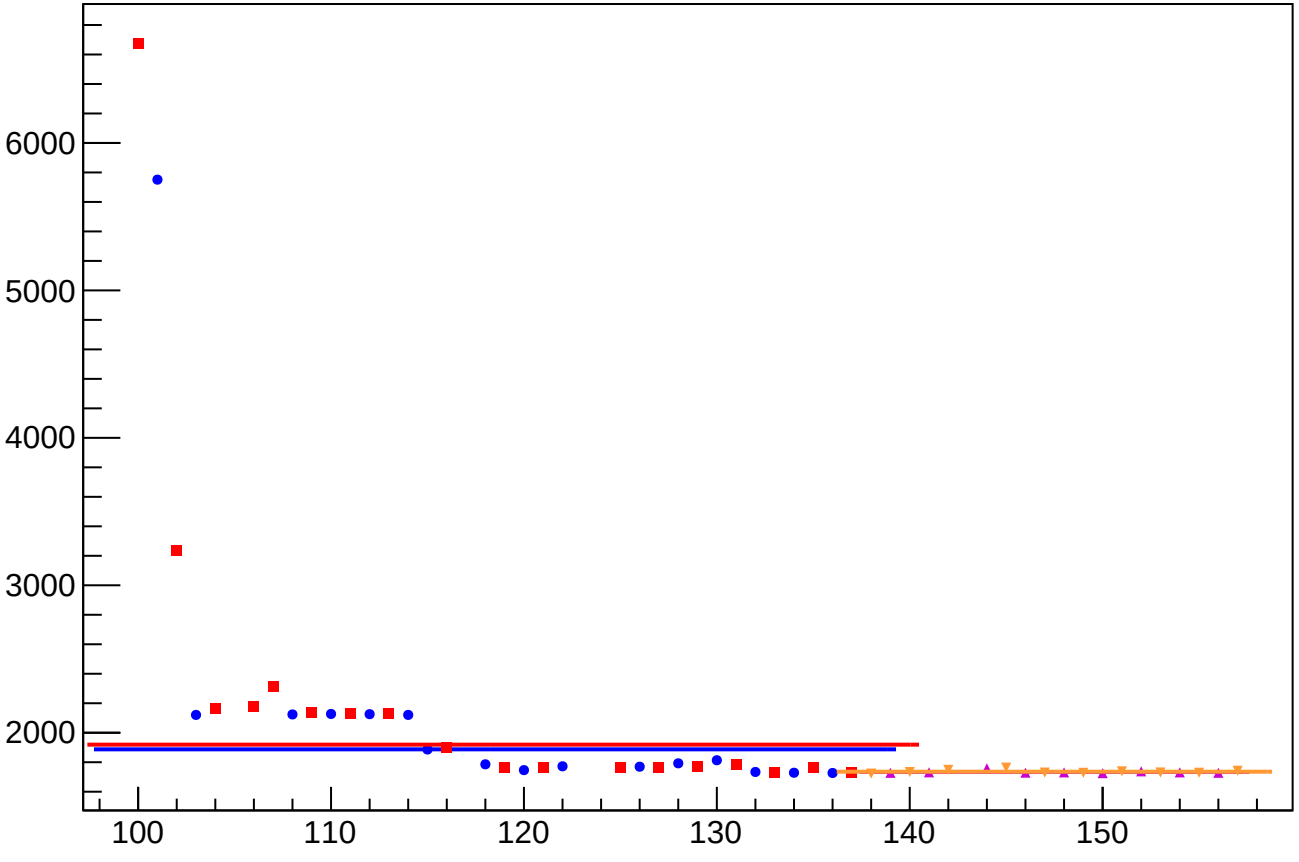
Left In: 342.504+/-619.057 χ^2/NDF:10.9/8

+ sign -404.207+/-468.756 χ^2/NDF: 31.3/25

All: -138.717+/-332.252 χ^2/NDF: 60.2/52

- sign 129.324+/-471.001 χ^2/NDF: 28.2/26

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

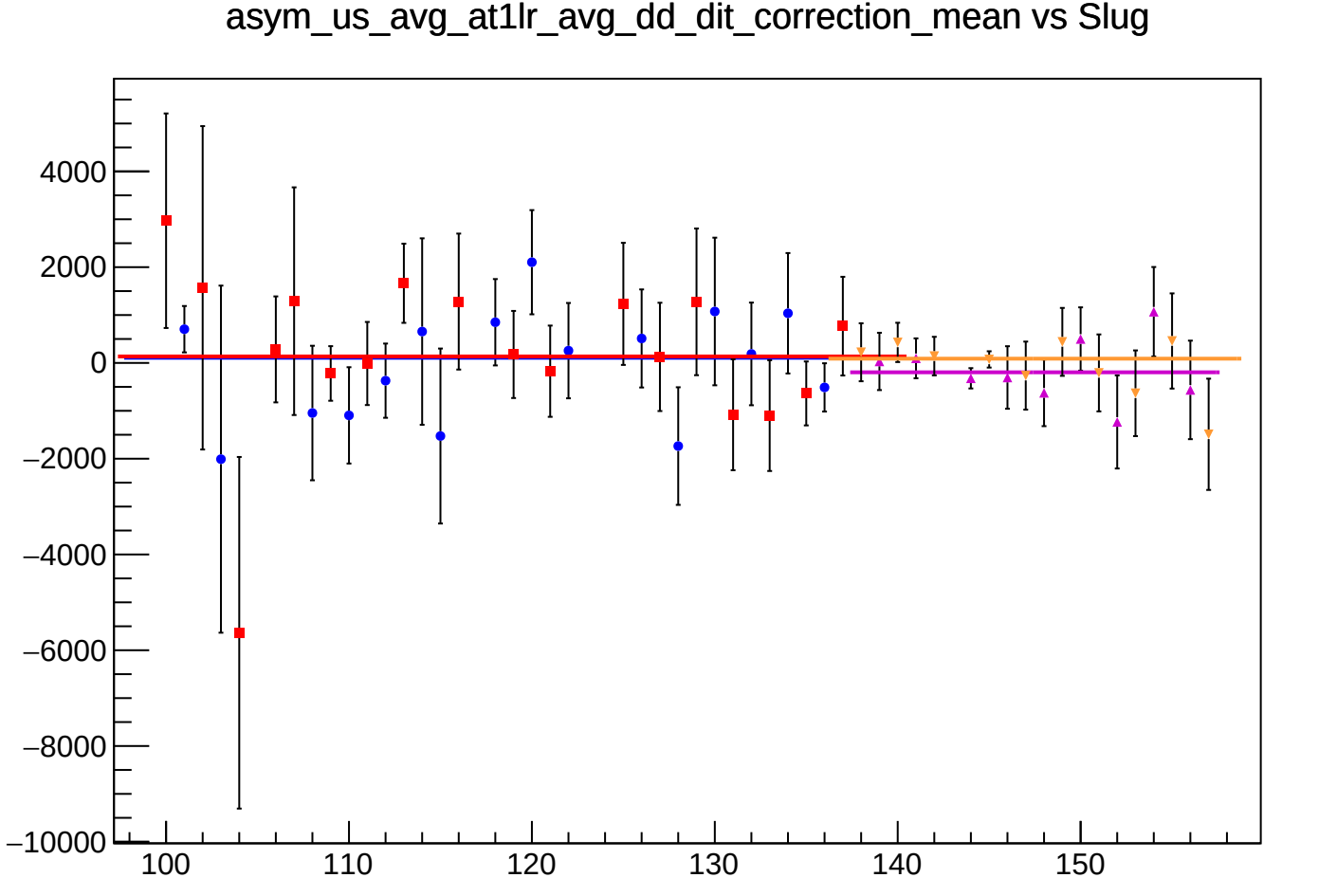
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1733.631+/-0.438 χ^2/NDF:470.7/8

+ sign 1800.218+/-0.331 χ^2/NDF: 741237.8/25

All: 1805.964+/-0.235 χ^2/NDF: 1170532.4/52

- sign 1811.764+/-0.333 χ^2/NDF: 428690.8/26



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 89.104+/-131.496 χ^2/NDF:4.0/9

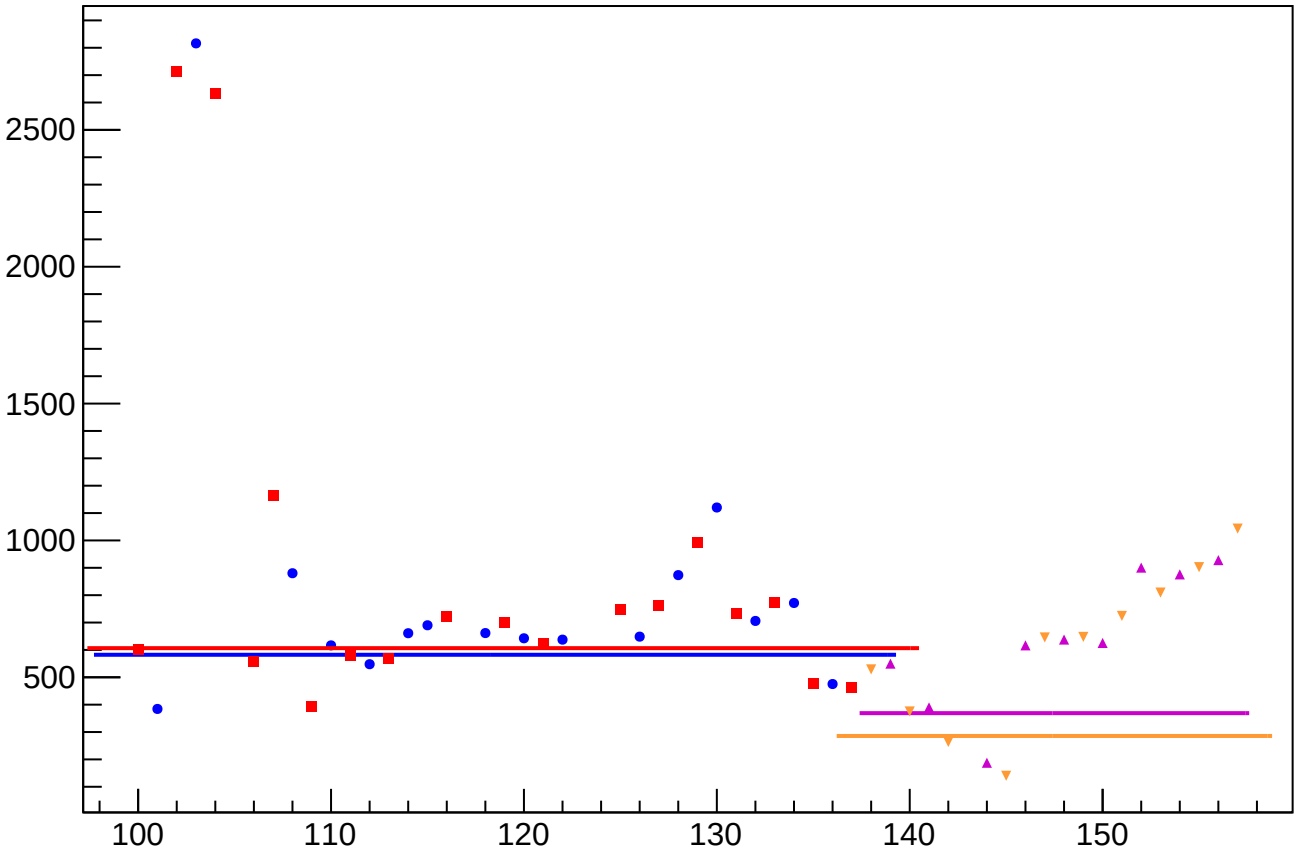
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -195.775+/-156.949 χ^2/NDF:5.6/8

\+ sign 93.739+/-114.364 χ^2/NDF: 18.2/25

All: 10.909+/-86.520 χ^2/NDF: 40.7/52

\- sign -99.944+/-132.303 χ^2/NDF: 21.2/26



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 285.616+/-0.093 χ^2/NDF:5818753.0/9

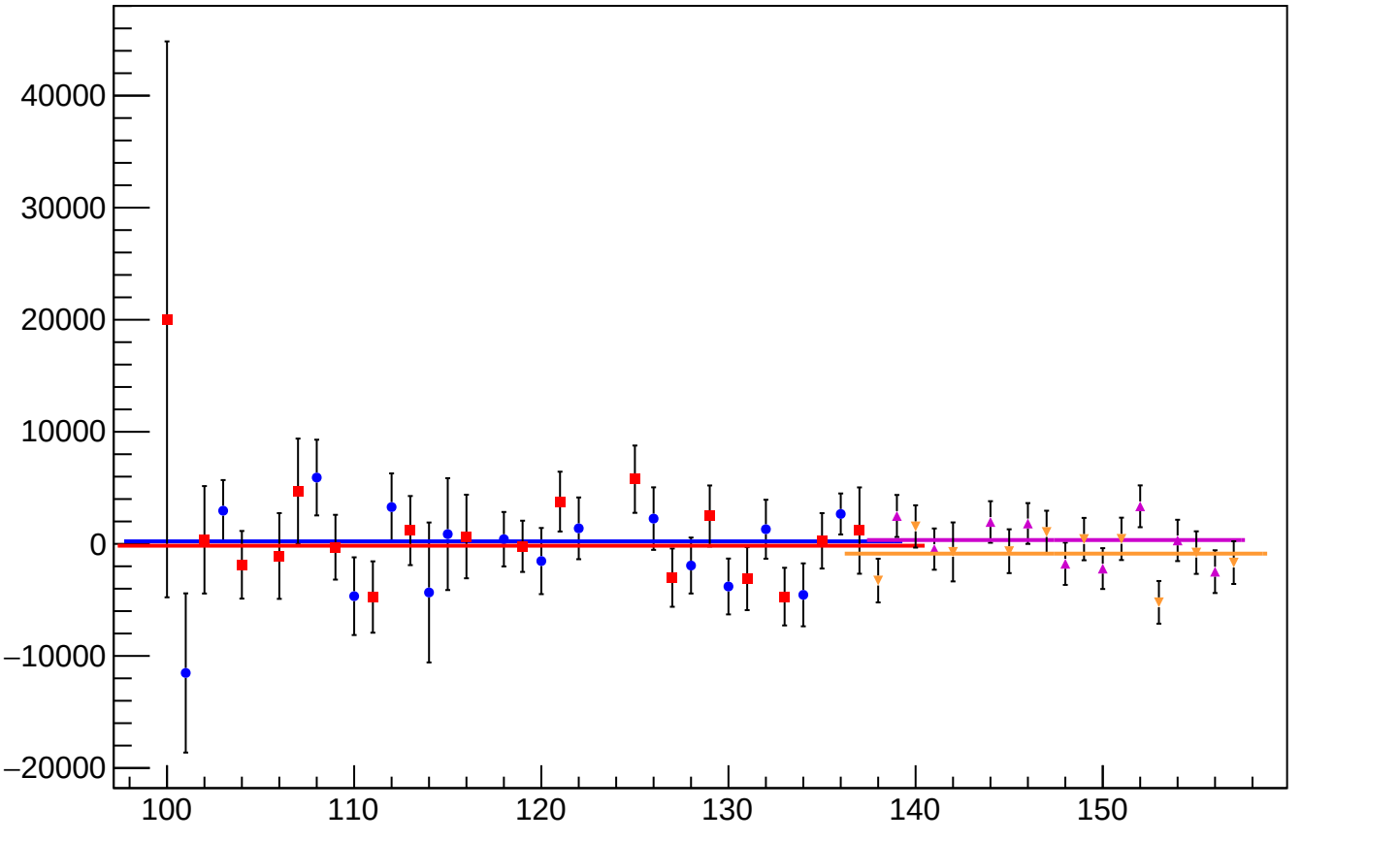
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 369.007+/-0.111 χ^2/NDF:4309630.6/8

+ sign 357.882+/-0.081 χ^2/NDF: 10052682.0/25

All: 392.027+/-0.061 χ^2/NDF: 18302358.1/52

- sign 437.724+/-0.094 χ^2/NDF: 7832803.9/26



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -871.274+/-618.484 χ^2/NDF:10.6/9

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

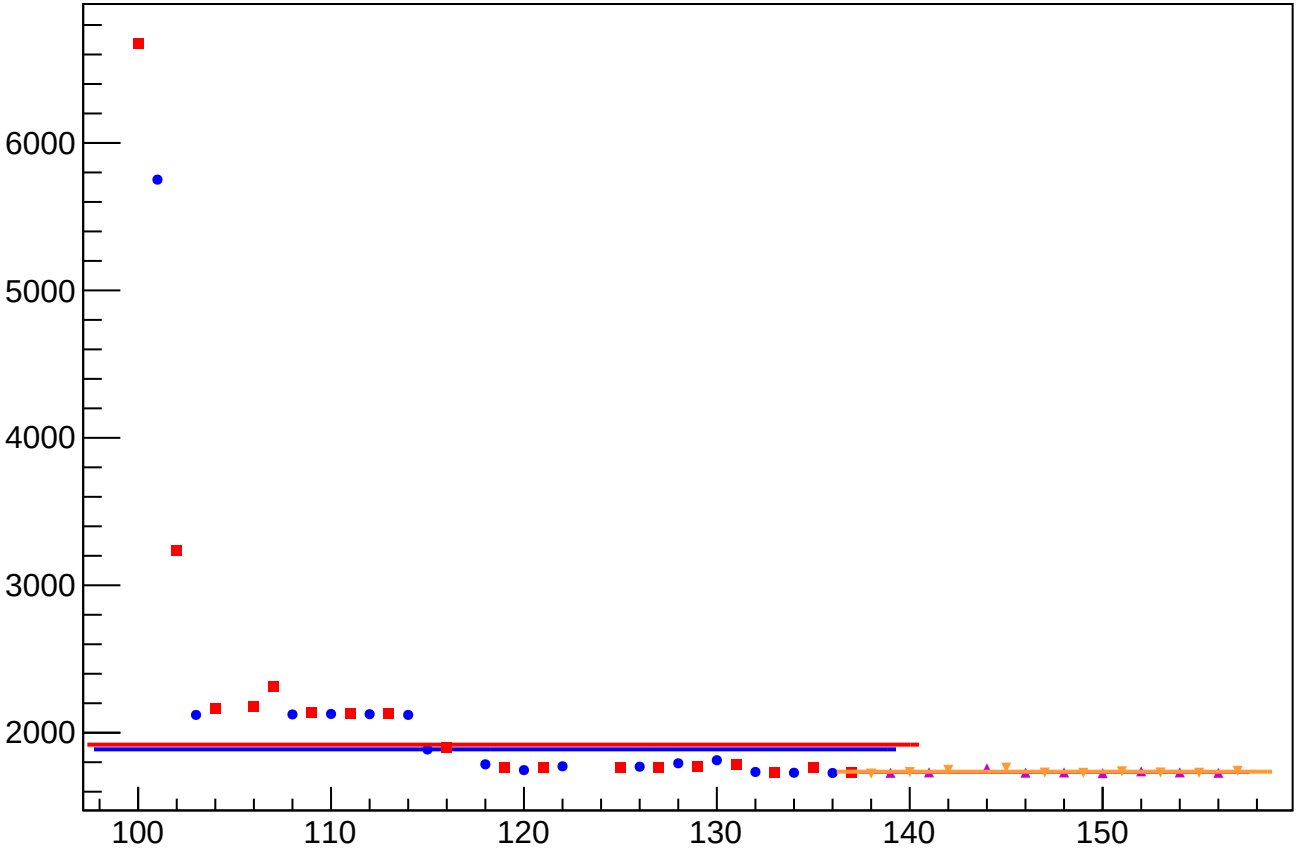
Left In: 342.503+/-619.057 χ^2/NDF:10.9/8

\+ sign -404.209+/-468.756 χ^2/NDF: 31.3/25

All: -138.718+/-332.252 χ^2/NDF: 60.2/52

\- sign 129.323+/-471.001 χ^2/NDF: 28.2/26

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.696+/-0.437 χ^2/NDF:647.6/9

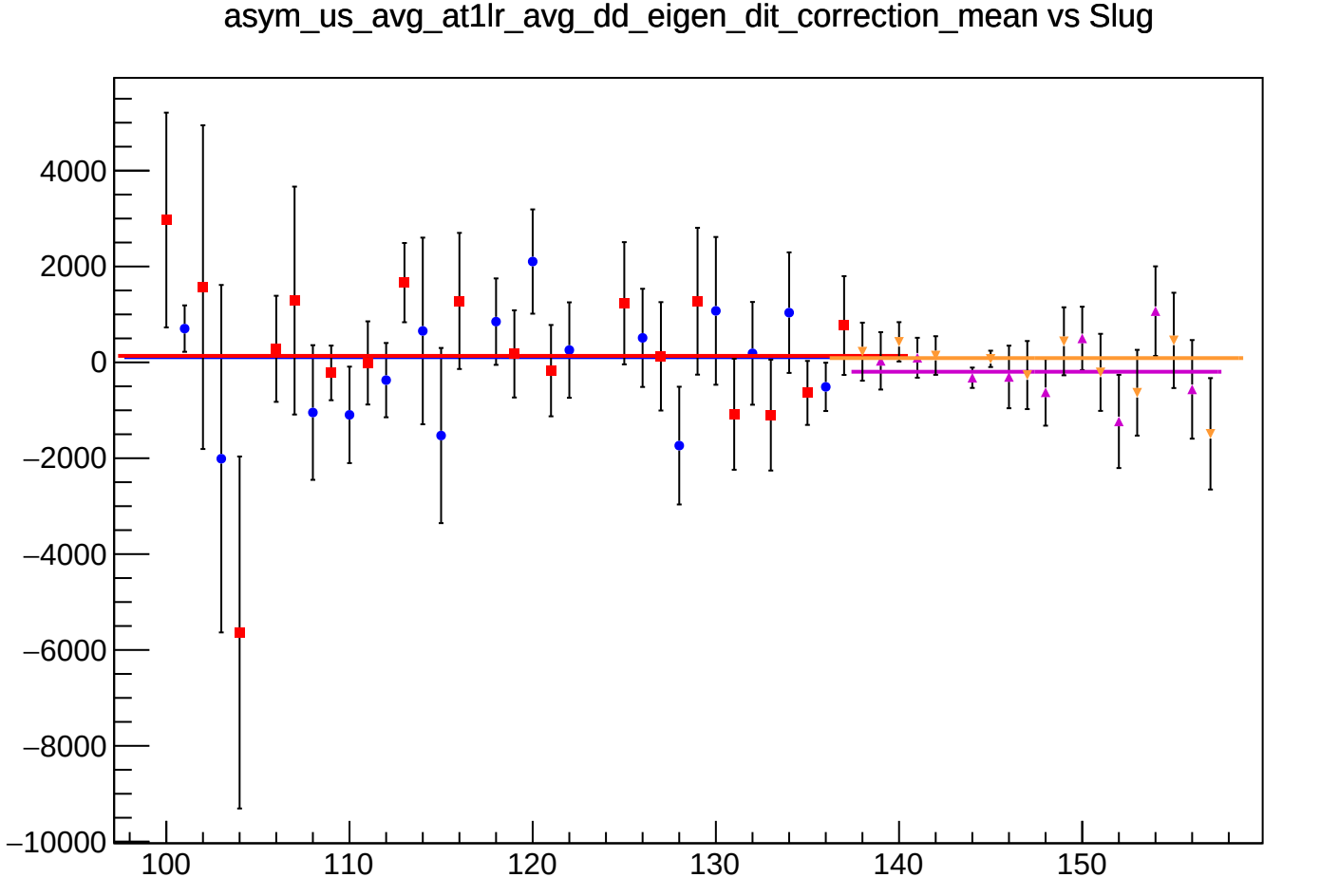
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1733.631+/-0.438 χ^2/NDF:470.7/8

+ sign 1800.218+/-0.331 χ^2/NDF: 741237.5/25

All: 1805.964+/-0.235 χ^2/NDF: 1170531.2/52

- sign 1811.764+/-0.333 χ^2/NDF: 428690.0/26



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 89.102+/-131.497 χ^2/NDF:4.0/9

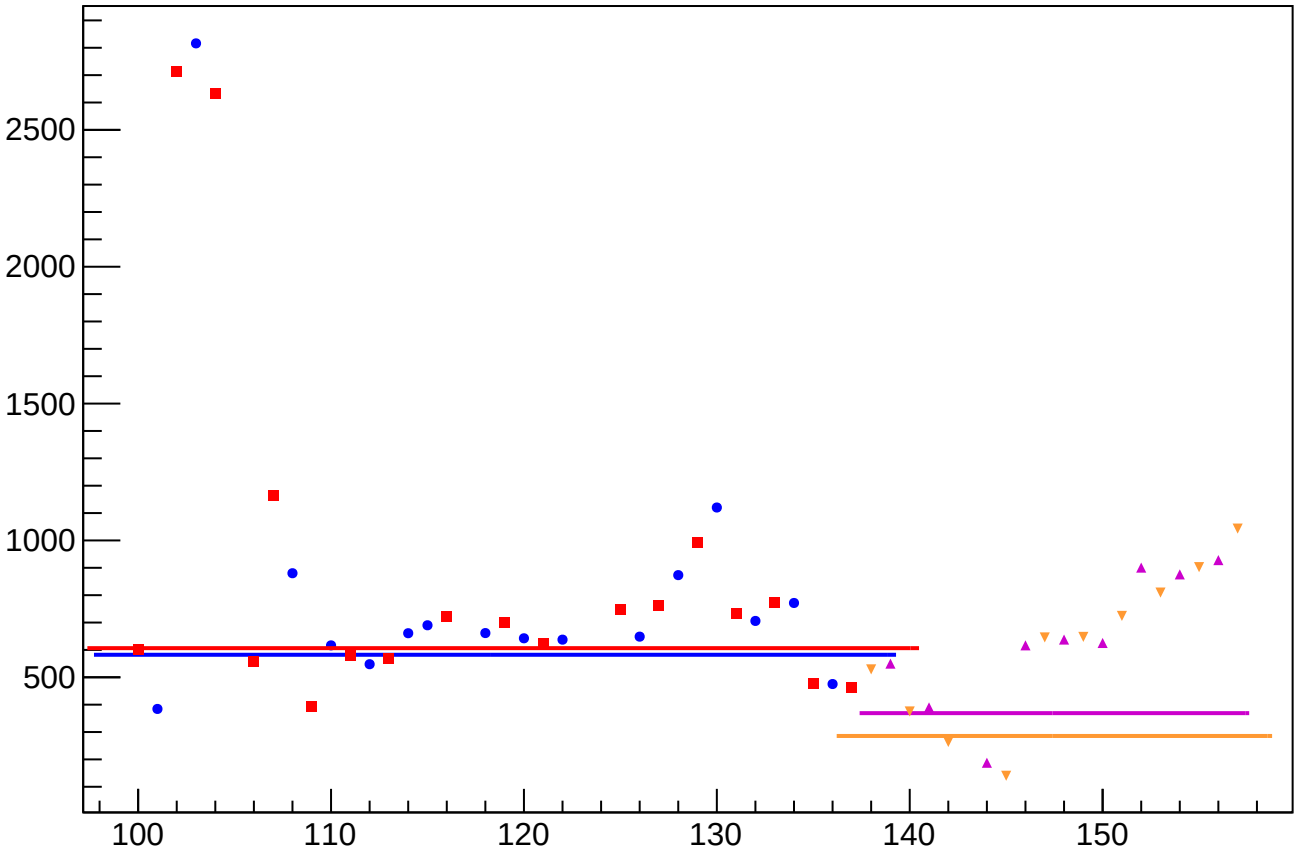
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -195.775+/-156.949 χ^2/NDF:5.6/8

+ sign 93.737+/-114.364 χ^2/NDF: 18.2/25

All: 10.908+/-86.520 χ^2/NDF: 40.7/52

- sign -99.944+/-132.303 χ^2/NDF: 21.2/26



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 285.616+/-0.093 χ^2/NDF:5818777.9/9

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

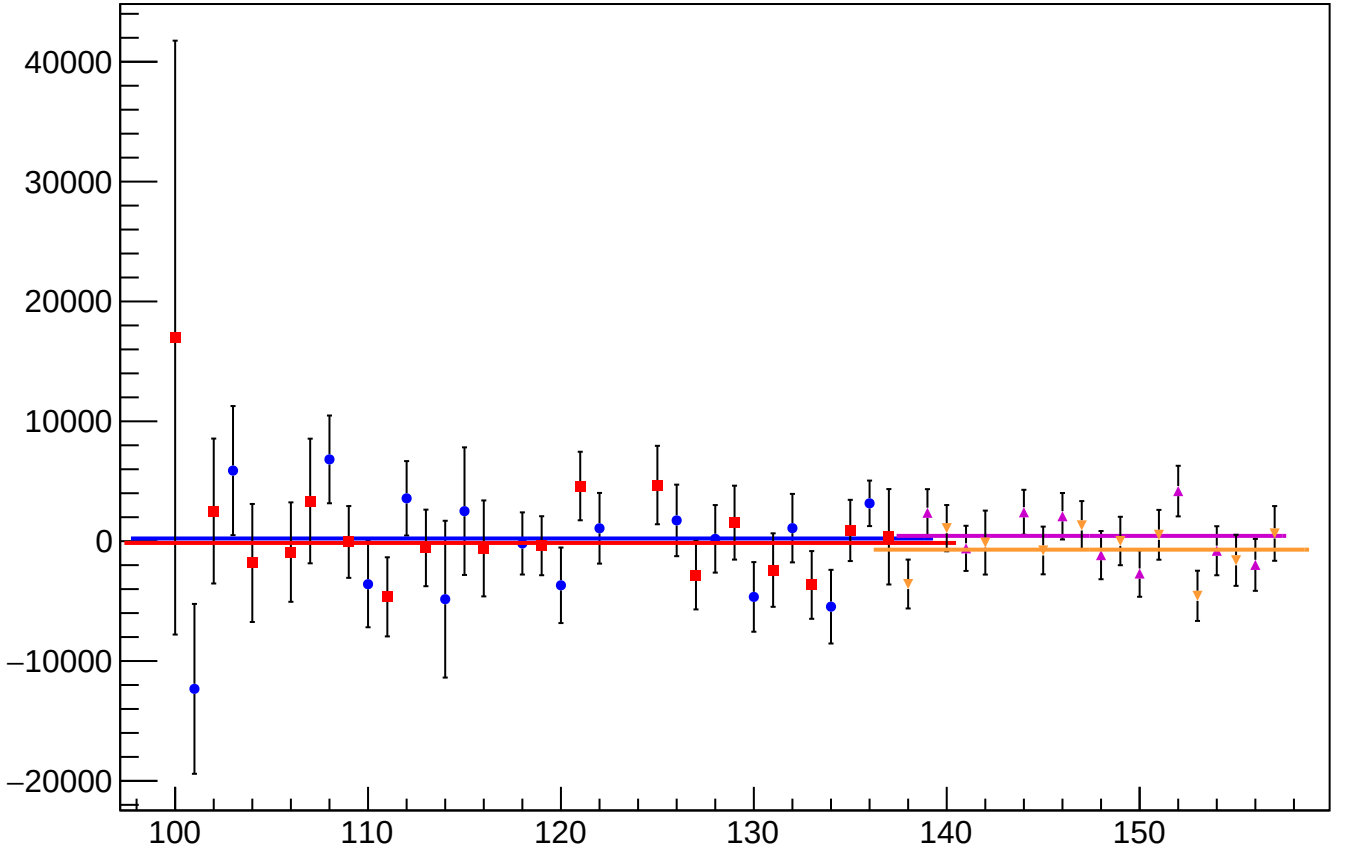
Left In: 369.007+/-0.111 χ^2/NDF:4309645.1/8

+ sign 357.882+/-0.081 χ^2/NDF: 10052679.6/25

All: 392.027+/-0.061 χ^2/NDF: 18302347.8/52

- sign 437.724+/-0.094 χ^2/NDF: 7832796.5/26

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -707.850+/-664.966 χ^2/NDF:8.3/9

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

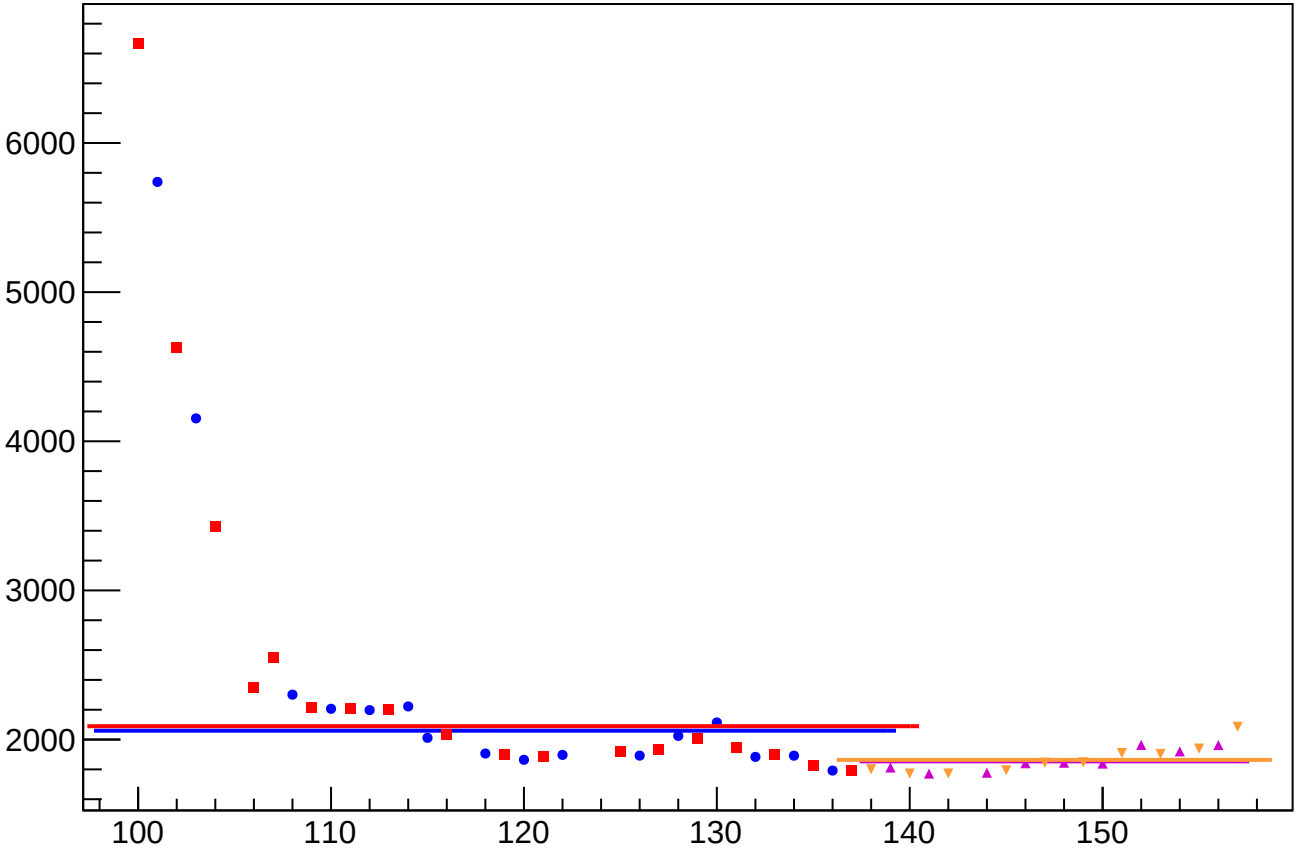
Left In: 440.731+/-662.357 χ^2/NDF:11.1/8

+ sign -322.161+/-509.181 χ^2/NDF: 30.3/25

All: -61.204+/-359.863 χ^2/NDF: 53.8/52

- sign 199.226+/-508.666 χ^2/NDF: 23.0/26

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1863.807+/-0.470 χ^2/NDF:34703.6/9

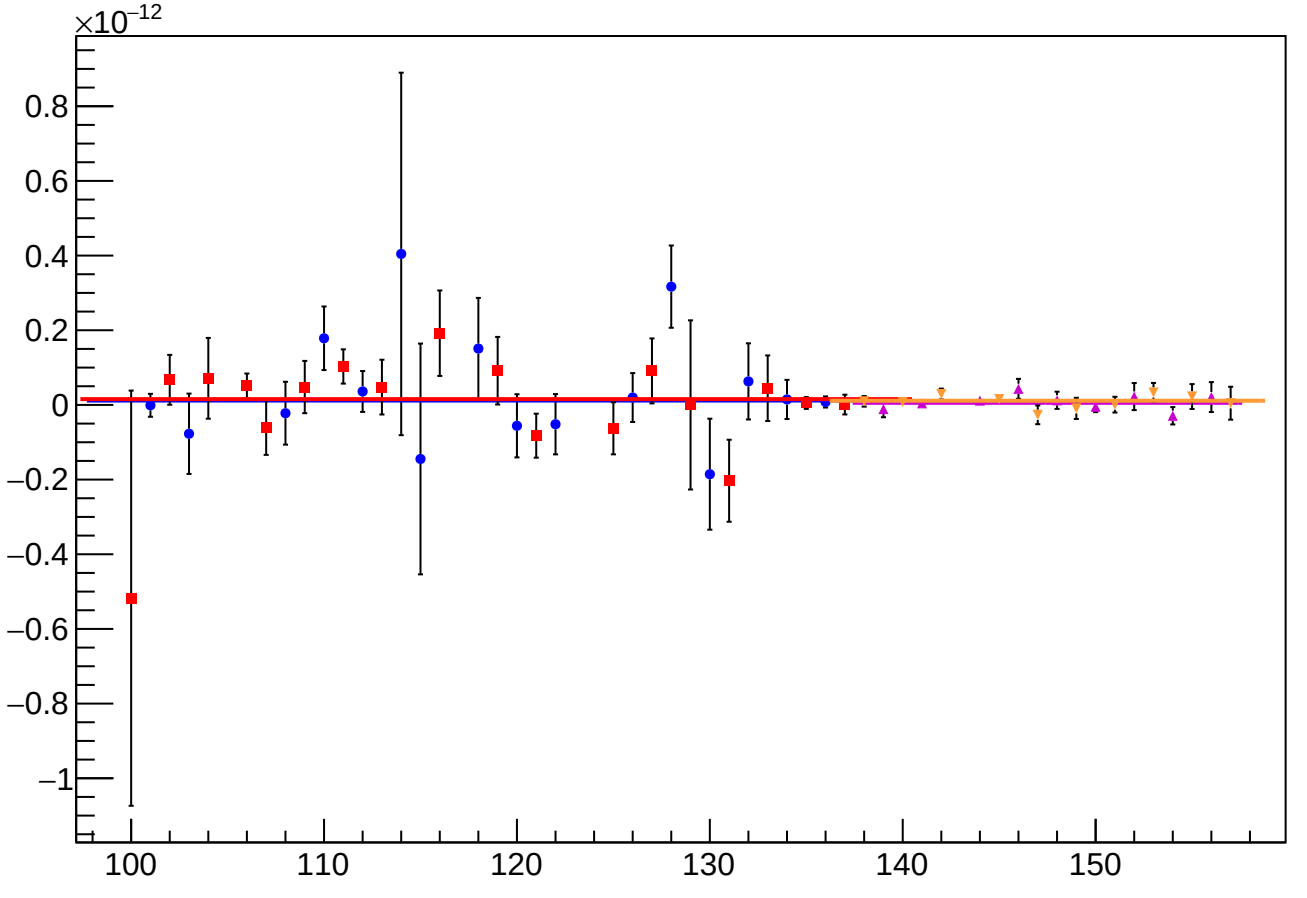
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1853.540+/-0.468 χ^2/NDF:20907.4/8

+ sign 1944.757+/-0.360 χ^2/NDF: 1046226.4/25

All: 1947.546+/-0.254 χ^2/NDF: 1852823.0/52

- sign 1950.329+/-0.360 χ^2/NDF: 806476.7/26



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/9

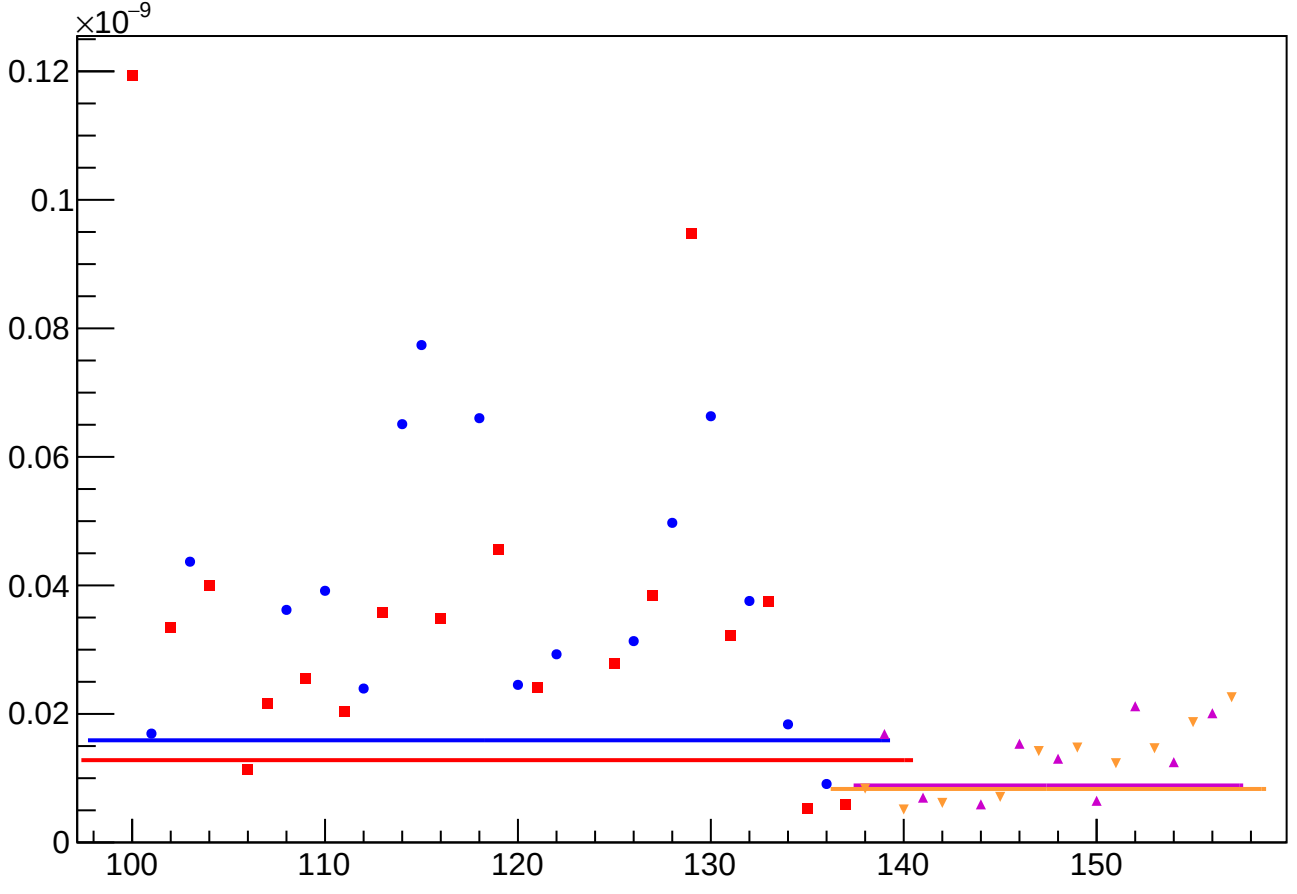
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/25

All: 0.000+/-0.000 χ^2/NDF: 51.6/52

- sign 0.000+/-0.000 χ^2/NDF: 27.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1098487.2/9

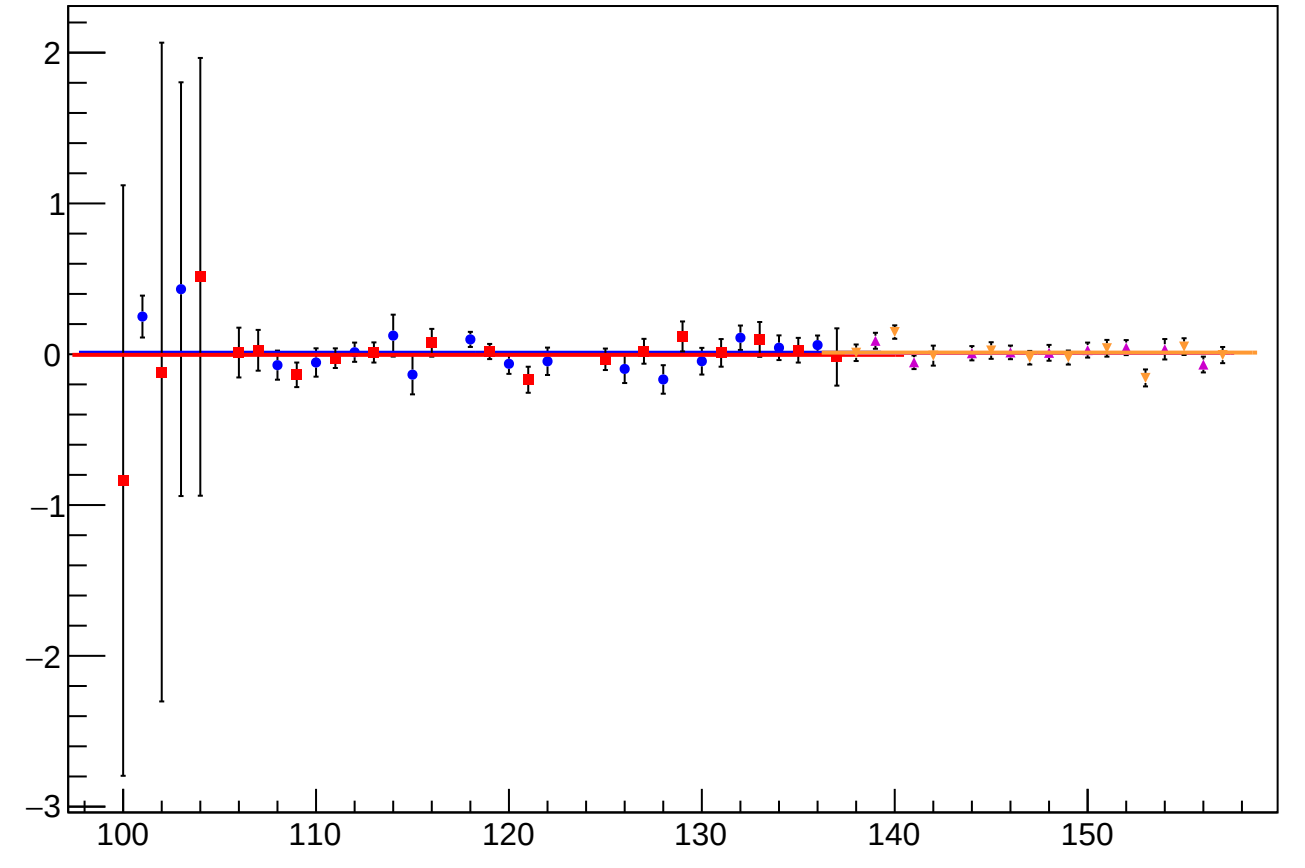
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1187315.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 3740266.1/25

All: 0.000+/-0.000 χ^2/NDF: 7626062.4/52

- sign 0.000+/-0.000 χ^2/NDF: 3885465.1/26



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

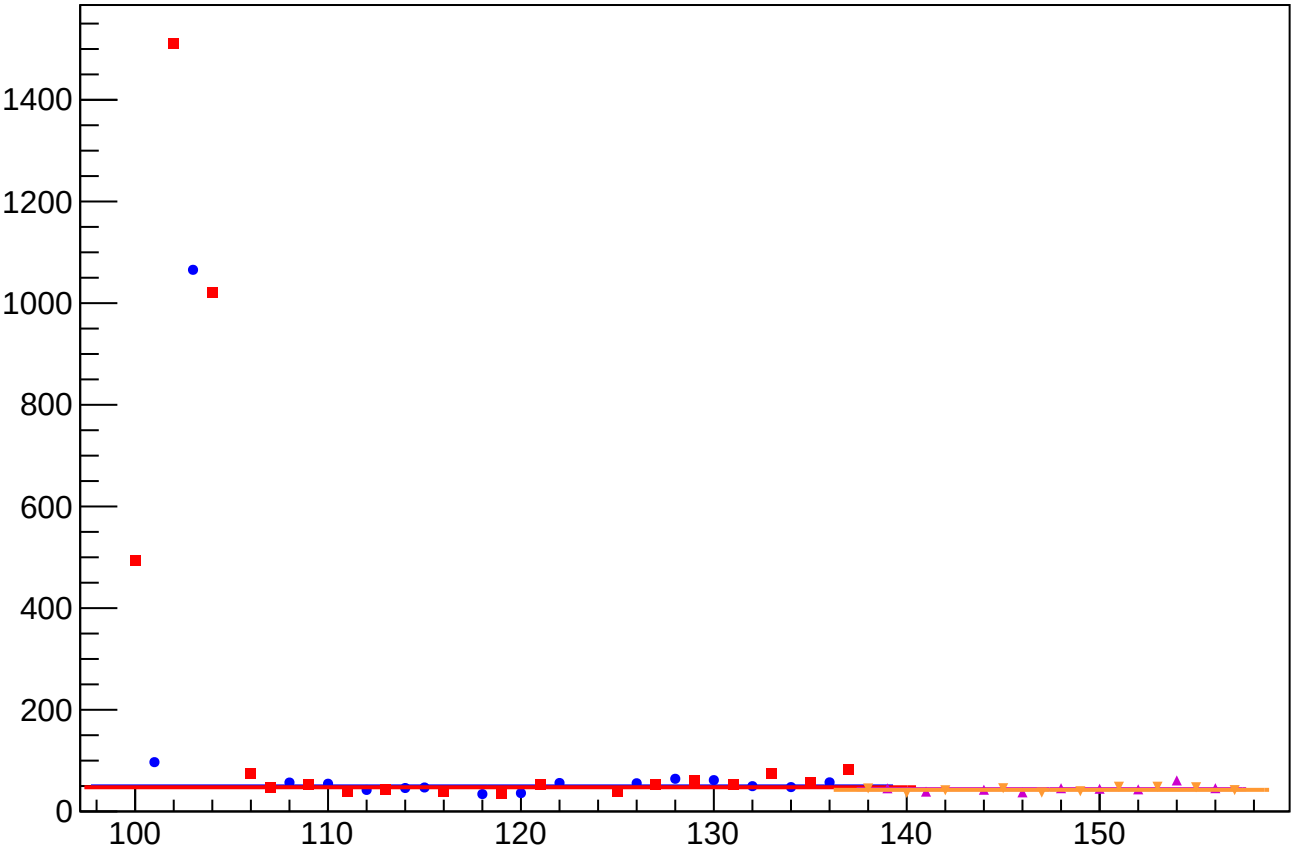
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.017 χ^2/NDF:7.2/8

\+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.007+/-0.009 χ^2/NDF: 56.8/52

\- sign 0.004+/-0.013 χ^2/NDF: 17.9/26



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.518+/-0.012 χ^2/NDF:151331.0/9

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

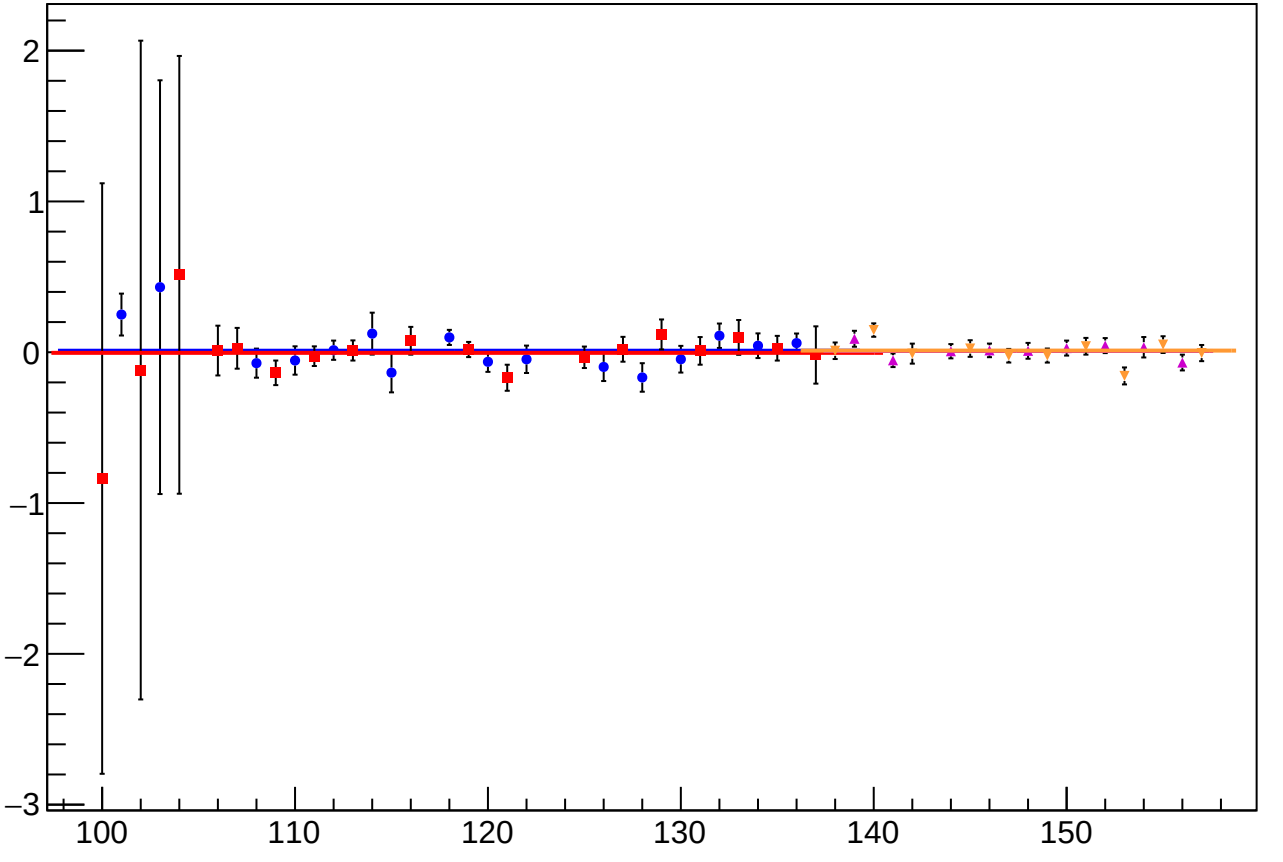
Left In: 43.883+/-0.012 χ^2/NDF:198849.6/8

+ sign 45.133+/-0.009 χ^2/NDF: 2058674.0/25

All: 45.212+/-0.007 χ^2/NDF: 4712976.5/52

- sign 45.295+/-0.009 χ^2/NDF: 2654150.3/26

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

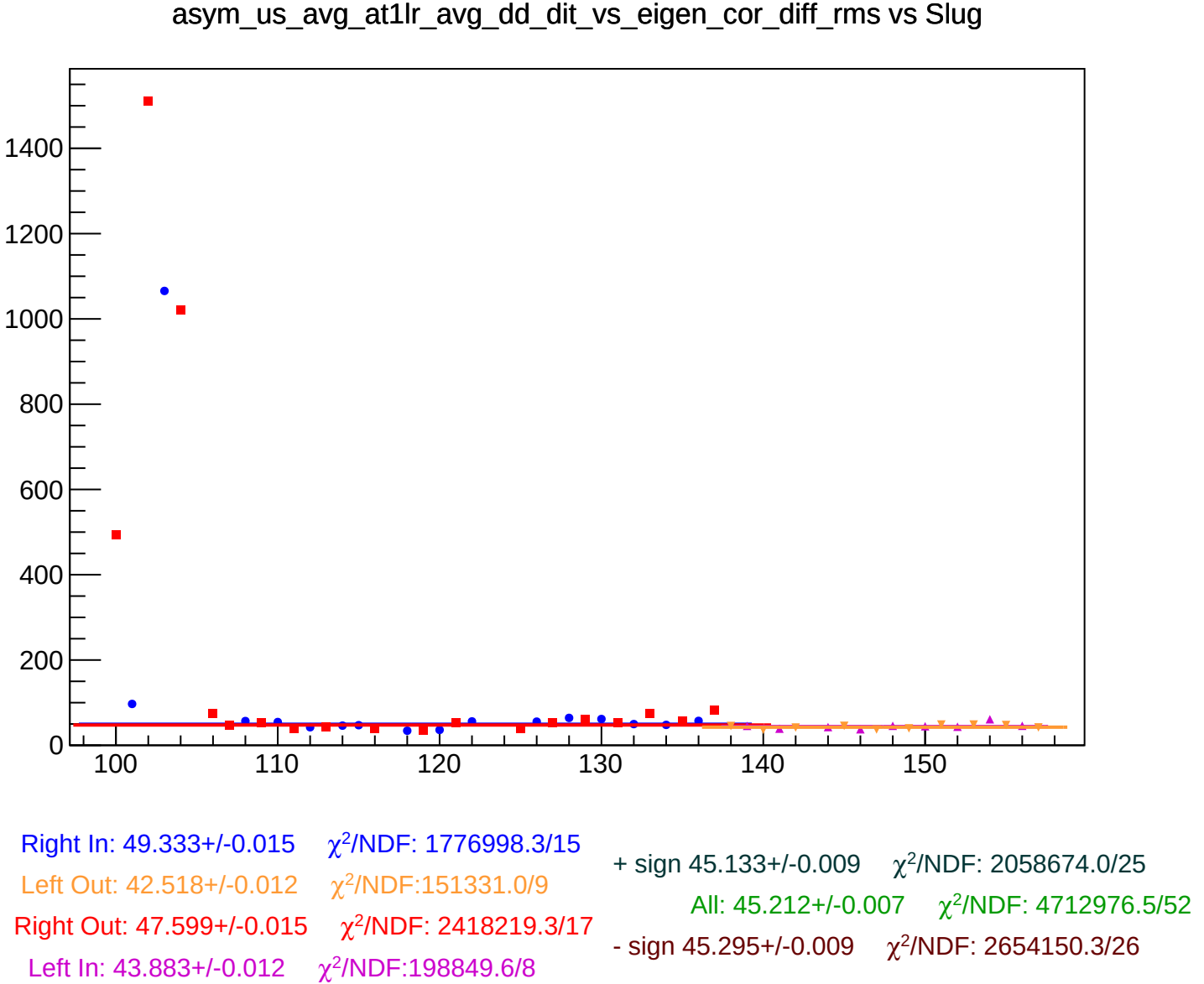
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

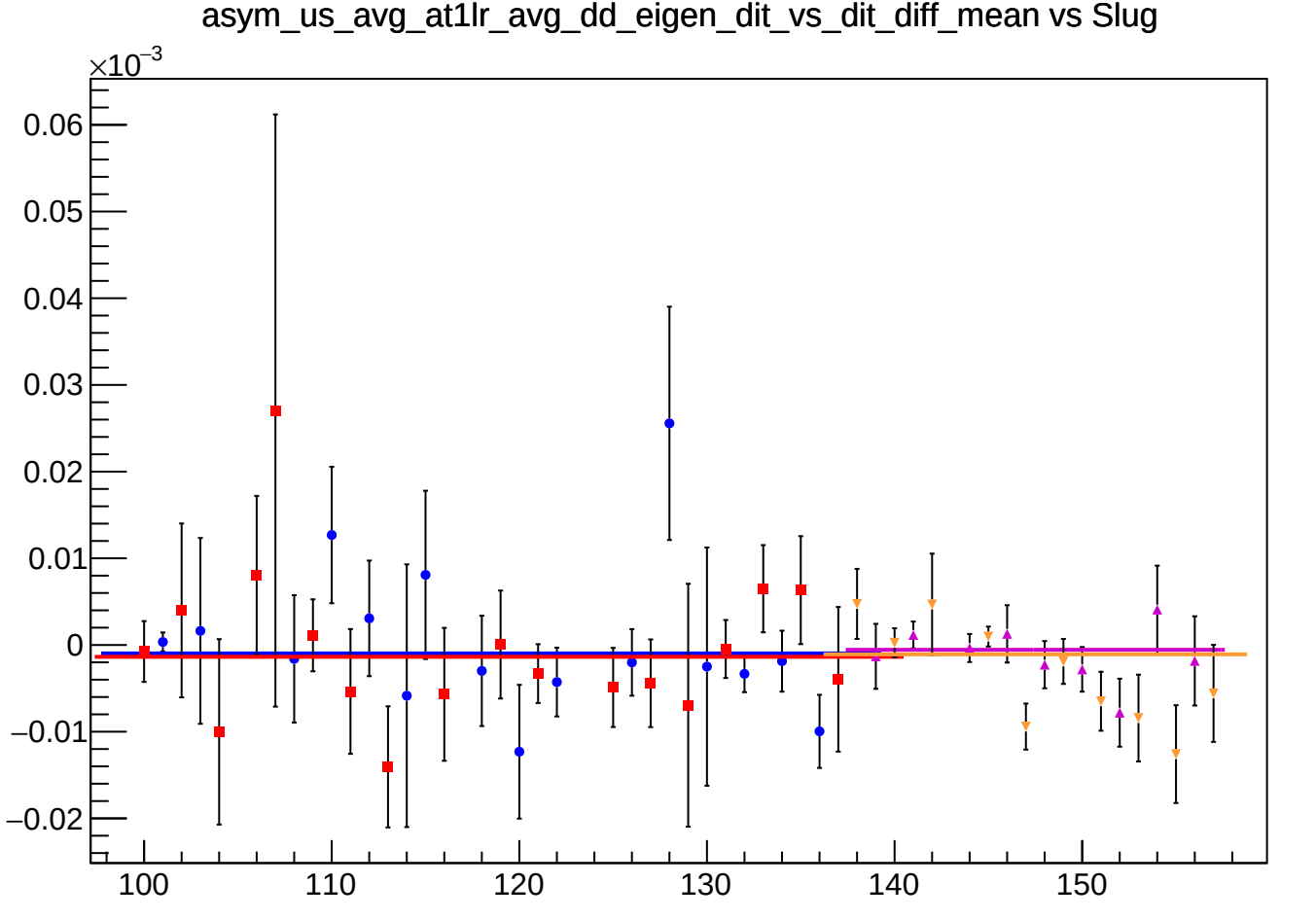
Left In: 0.008+/-0.017 χ^2/NDF:7.2/8

+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

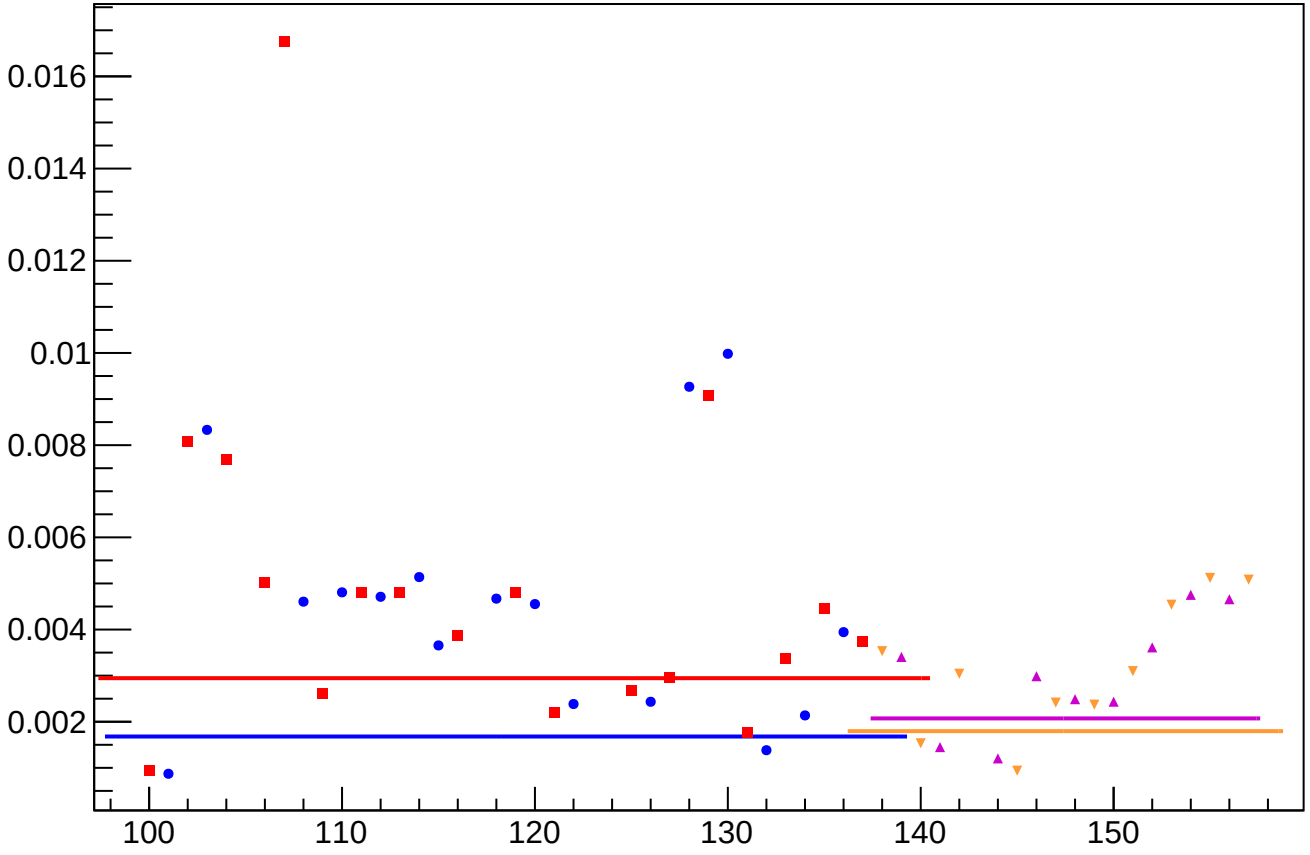
All: 0.007+/-0.009 χ^2/NDF: 56.8/52

- sign 0.004+/-0.013 χ^2/NDF: 17.9/26


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776998.3/15
Left Out: 42.518+/-0.012 χ²/NDF:151331.0/9
Right Out: 47.599+/-0.015 χ²/NDF: 2418219.3/17
Left In: 43.883+/-0.012 χ²/NDF:198849.6/8
+ sign 45.133+/-0.009 χ²/NDF: 2058674.0/25
All: 45.212+/-0.007 χ²/NDF: 4712976.5/52
- sign 45.295+/-0.009 χ²/NDF: 2654150.3/26


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:26.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:7.1/8
+ sign -0.000+/-0.000 χ²/NDF: 45.0/25
All: -0.000+/-0.000 χ²/NDF: 65.0/52
- sign -0.000+/-0.000 χ²/NDF: 20.0/26

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:4114170.6/9

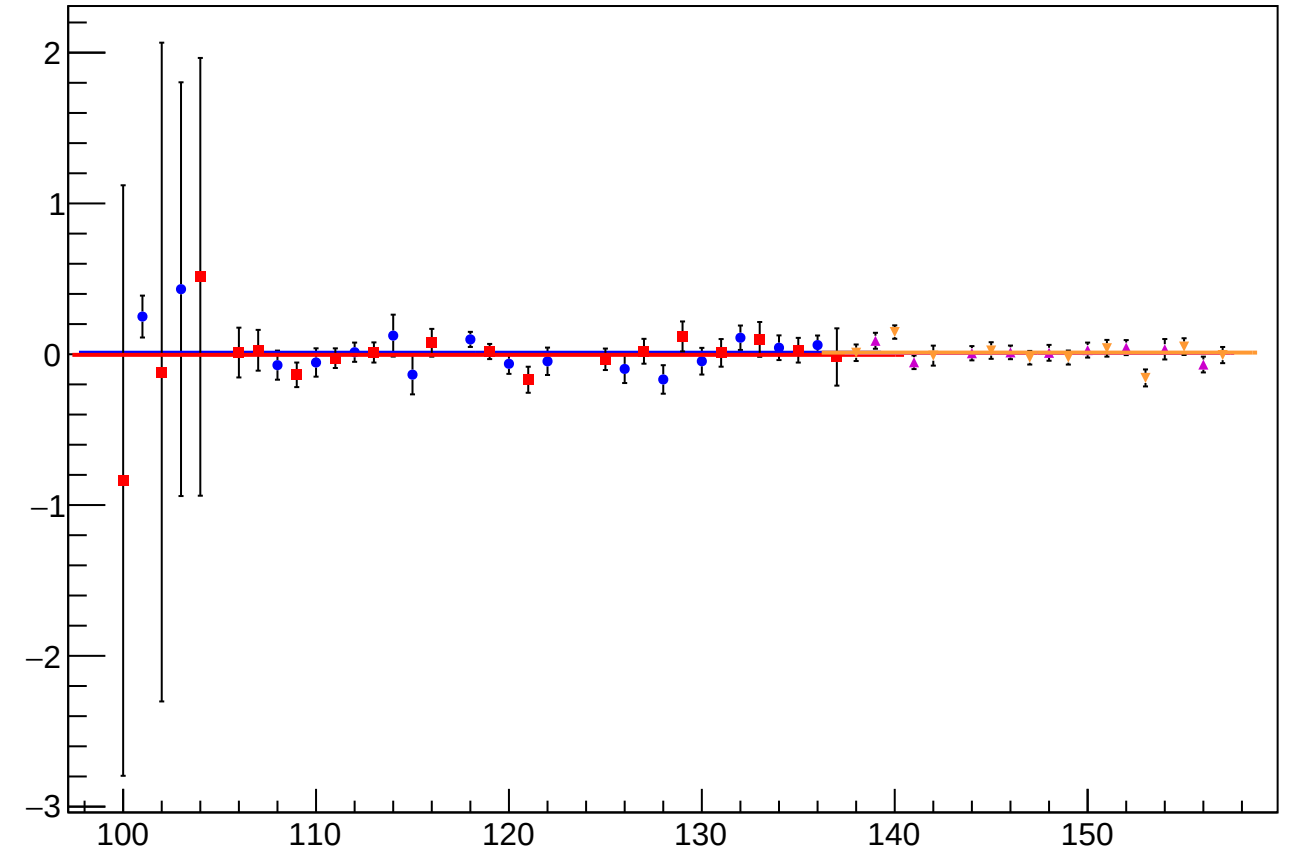
Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:2767186.7/8

+ sign 0.002+/-0.000 χ^2/NDF: 10095626.7/25

All: 0.002+/-0.000 χ^2/NDF: 17740981.7/52

- sign 0.002+/-0.000 χ^2/NDF: 6786812.3/26



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

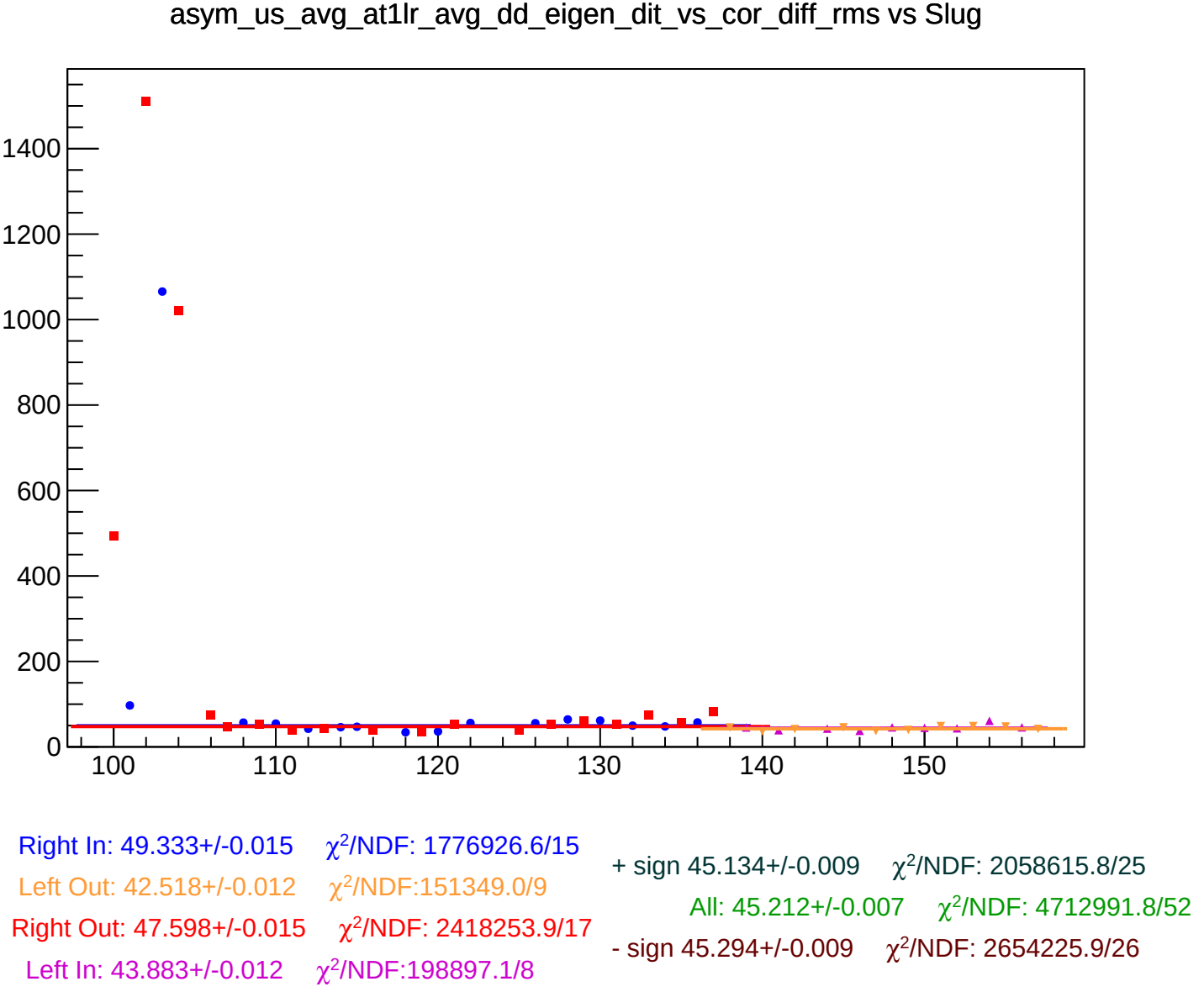
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.008+/-0.017 χ^2/NDF:7.2/8

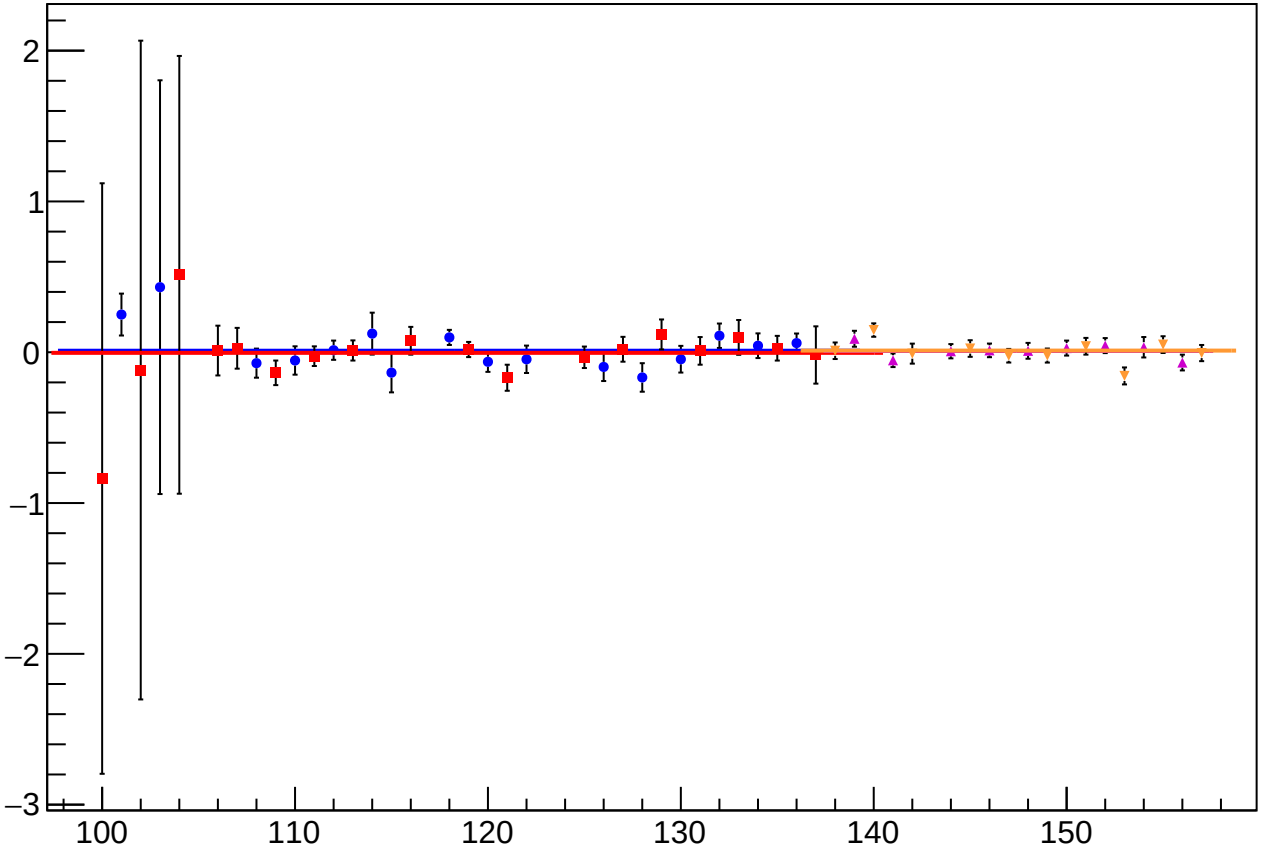
+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.007+/-0.009 χ^2/NDF: 56.8/52

- sign 0.004+/-0.013 χ^2/NDF: 17.9/26


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.518+/-0.012 χ²/NDF:151349.0/9
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.883+/-0.012 χ²/NDF:198897.1/8
+ sign 45.134+/-0.009 χ²/NDF: 2058615.8/25
All: 45.212+/-0.007 χ²/NDF: 4712991.8/52
- sign 45.294+/-0.009 χ²/NDF: 2654225.9/26

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.011+/-0.017 χ^2/NDF:20.3/9

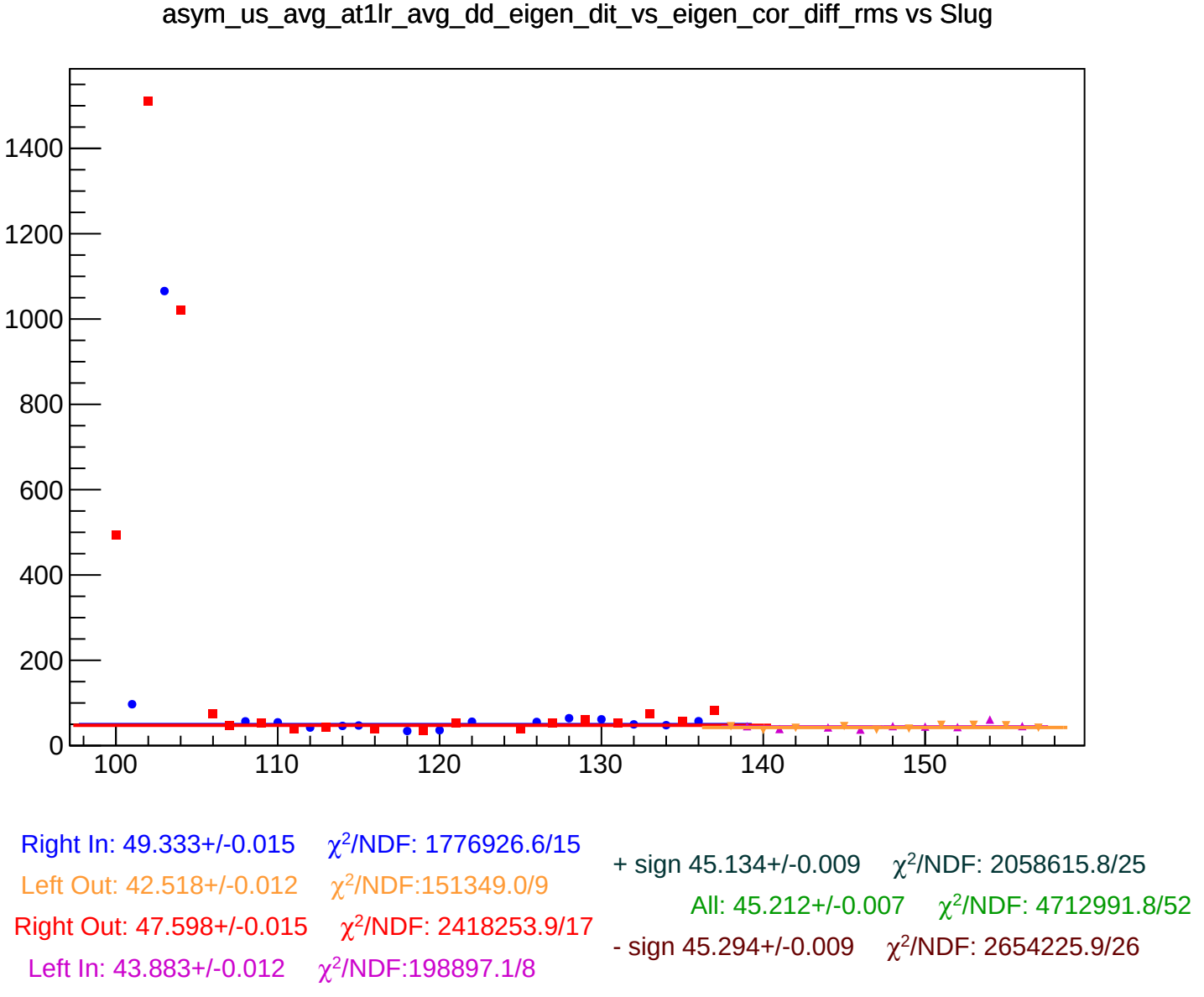
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

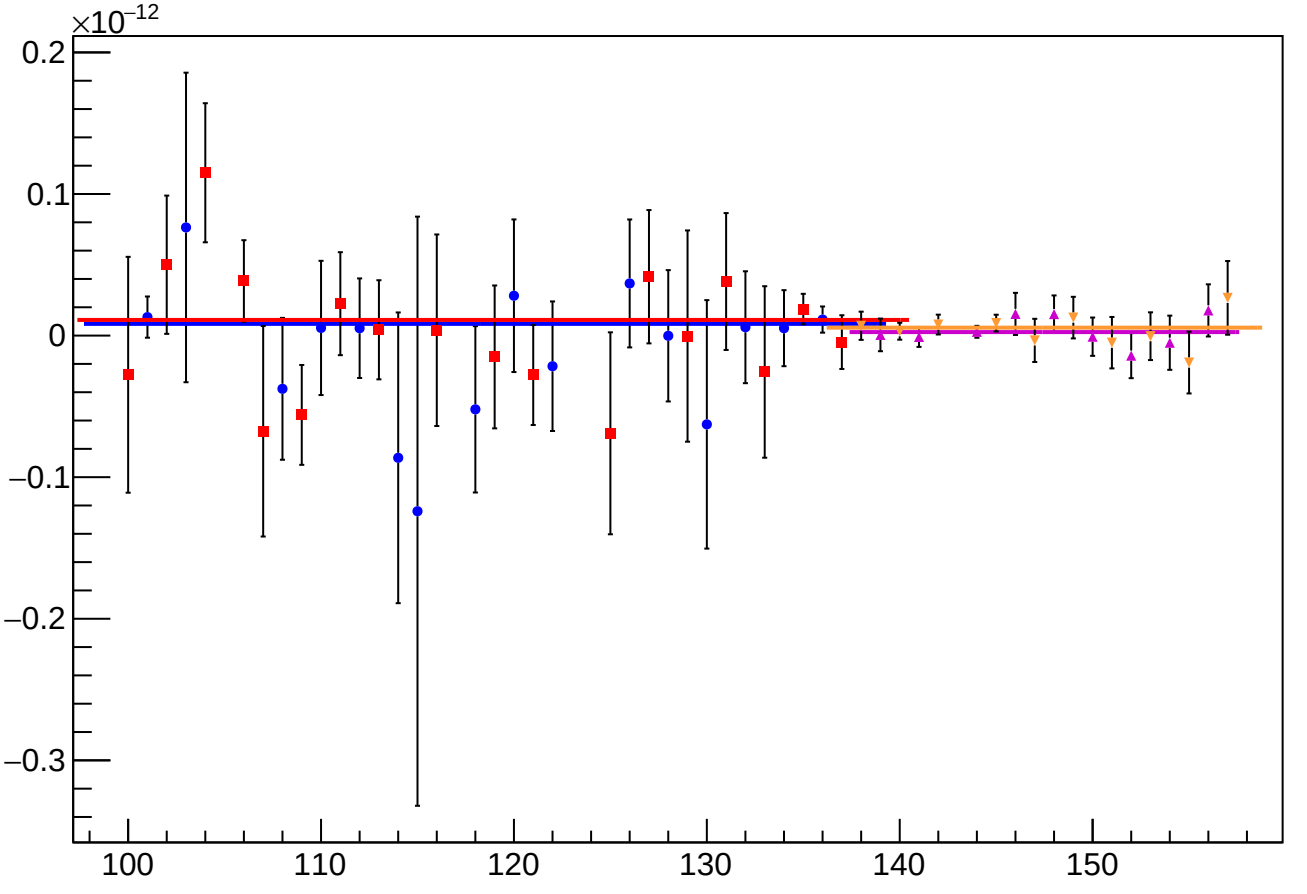
Left In: 0.008+/-0.017 χ^2/NDF:7.2/8

+ sign 0.011+/-0.013 χ^2/NDF: 38.8/25

All: 0.007+/-0.009 χ^2/NDF: 56.8/52

- sign 0.004+/-0.013 χ^2/NDF: 17.9/26


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.518+/-0.012 χ²/NDF:151349.0/9
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 43.883+/-0.012 χ²/NDF:198897.1/8
+ sign 45.134+/-0.009 χ²/NDF: 2058615.8/25
All: 45.212+/-0.007 χ²/NDF: 4712991.8/52
- sign 45.294+/-0.009 χ²/NDF: 2654225.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

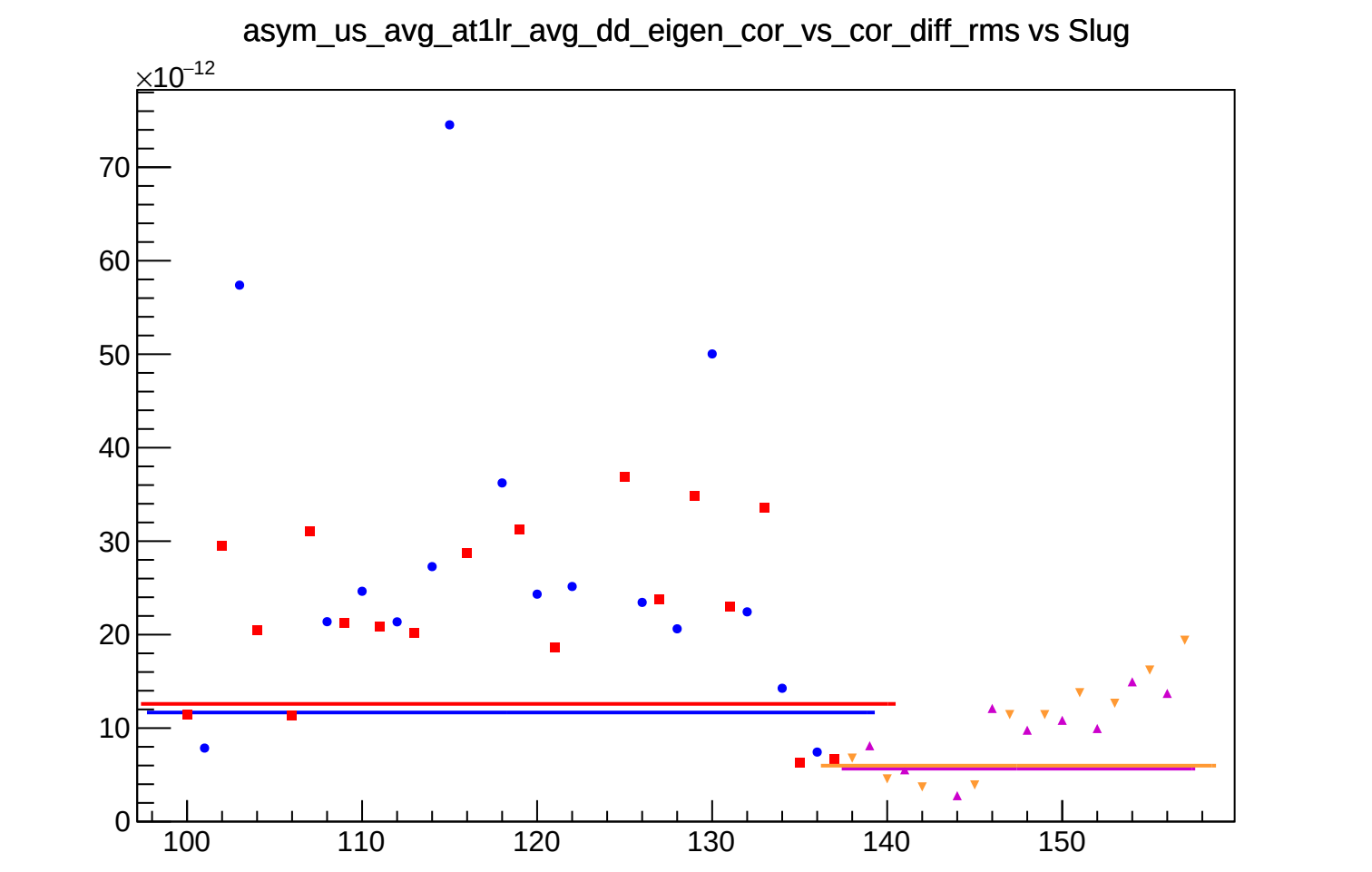
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 9.1/25

All: 0.000+/-0.000 χ^2/NDF: 30.8/52

- sign 0.000+/-0.000 χ^2/NDF: 21.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2767975.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

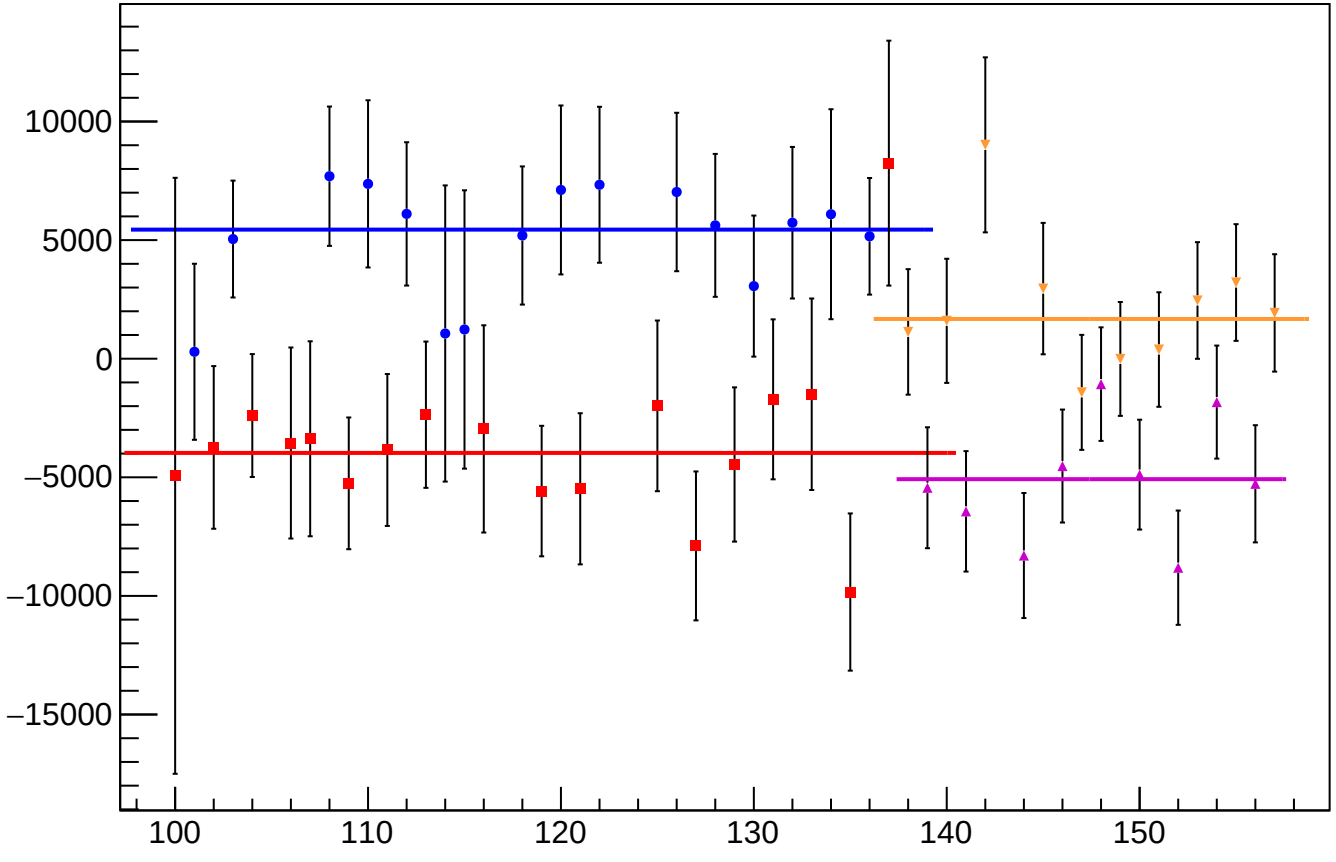
Left In: 0.000+/-0.000 χ^2/NDF:2896930.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 6875722.2/25

All: 0.000+/-0.000 χ^2/NDF: 14271279.4/52

- sign 0.000+/-0.000 χ^2/NDF: 7385261.1/26

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.235+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

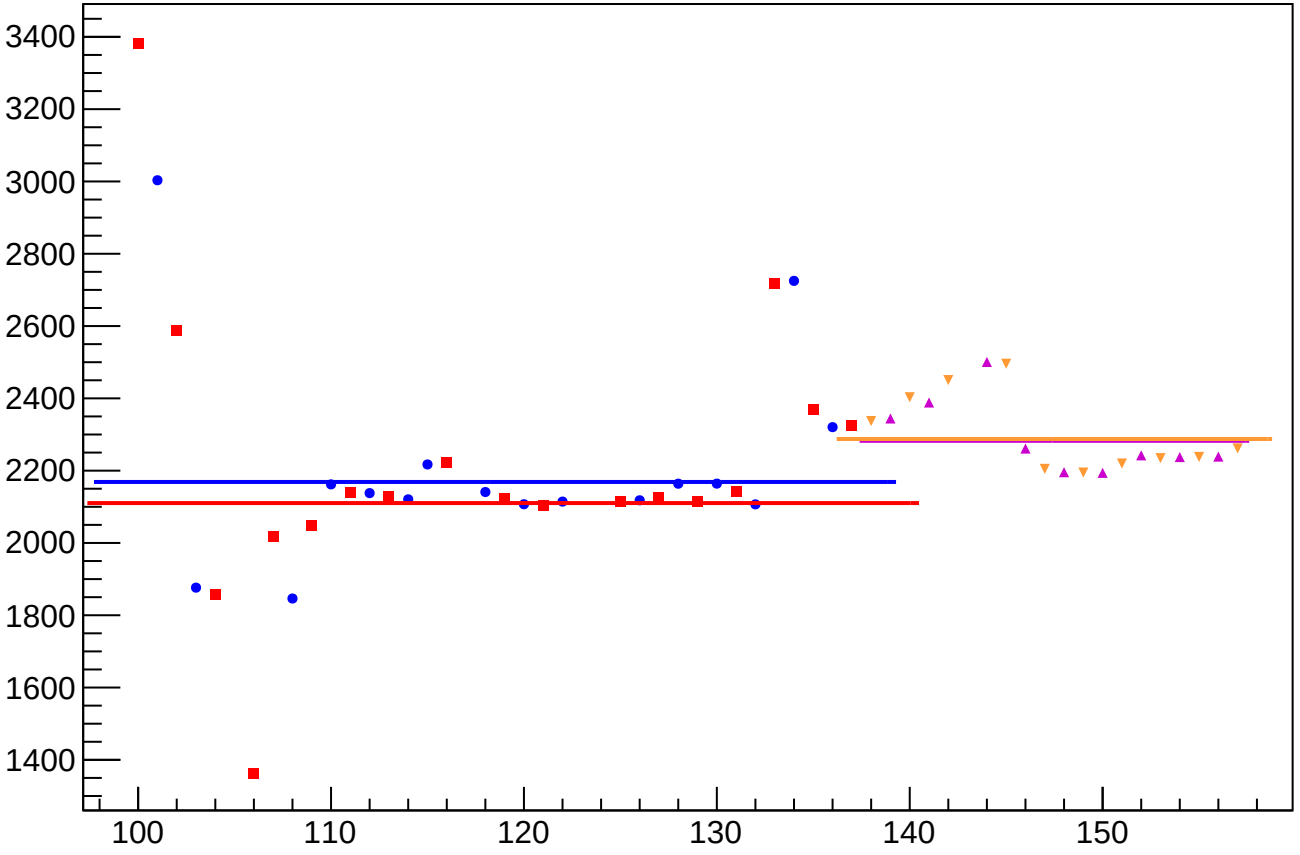
Left In: -5078.502+/-815.818 χ^2/NDF:8.9/8

+ sign 3567.259+/-575.763 χ^2/NDF: 23.2/25

All: -485.825+/-406.662 χ^2/NDF: 144.9/52

- sign -4520.487+/-574.453 χ^2/NDF: 22.8/26

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

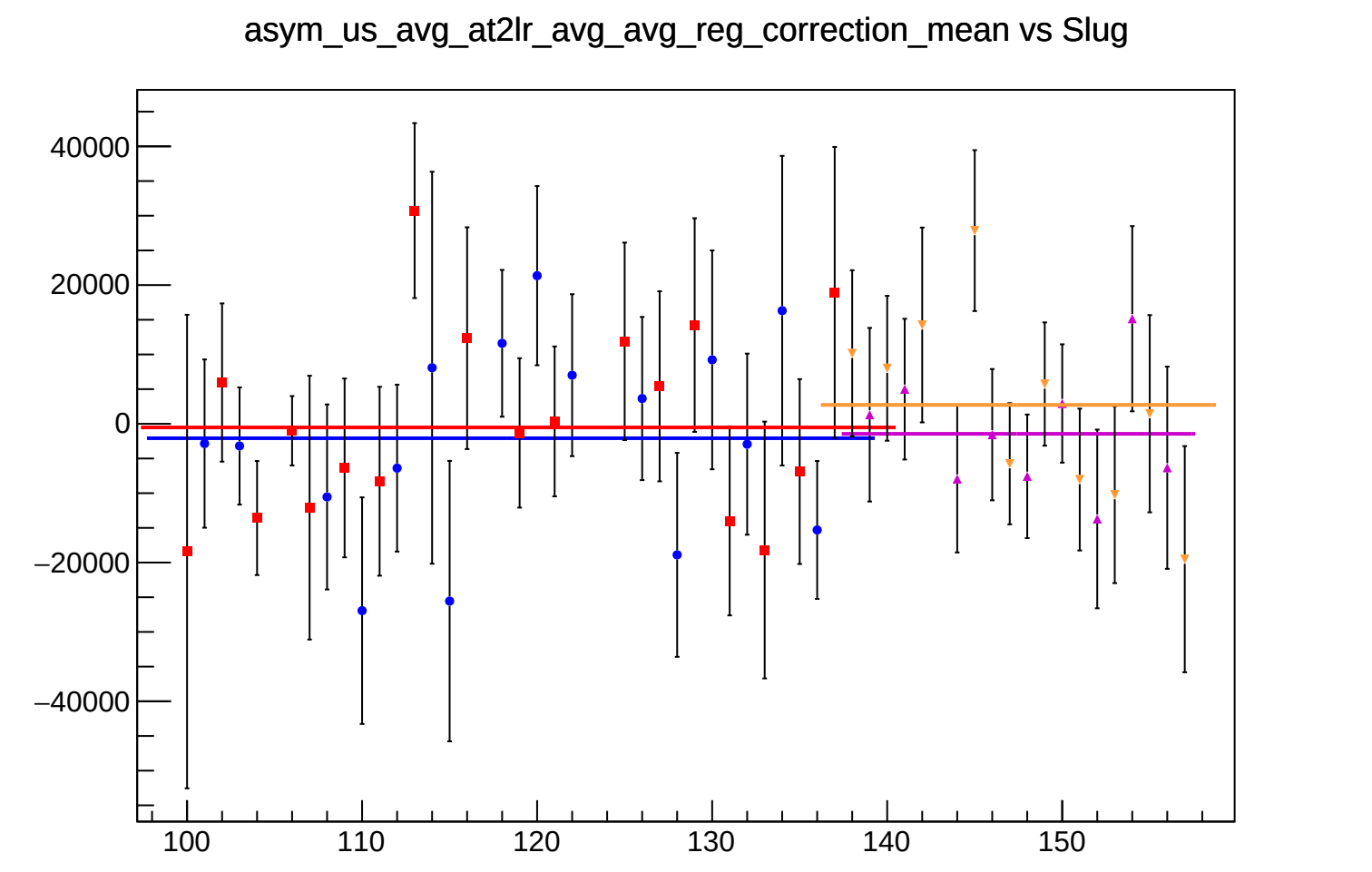
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2282.514+/-0.577 χ^2/NDF:25978.6/8

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.1/25

All: 2210.946+/-0.286 χ^2/NDF: 588061.7/52

- sign 2194.342+/-0.403 χ^2/NDF: 339004.2/26



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 2723.394+/-3561.218 χ^2/NDF:11.1/9

Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

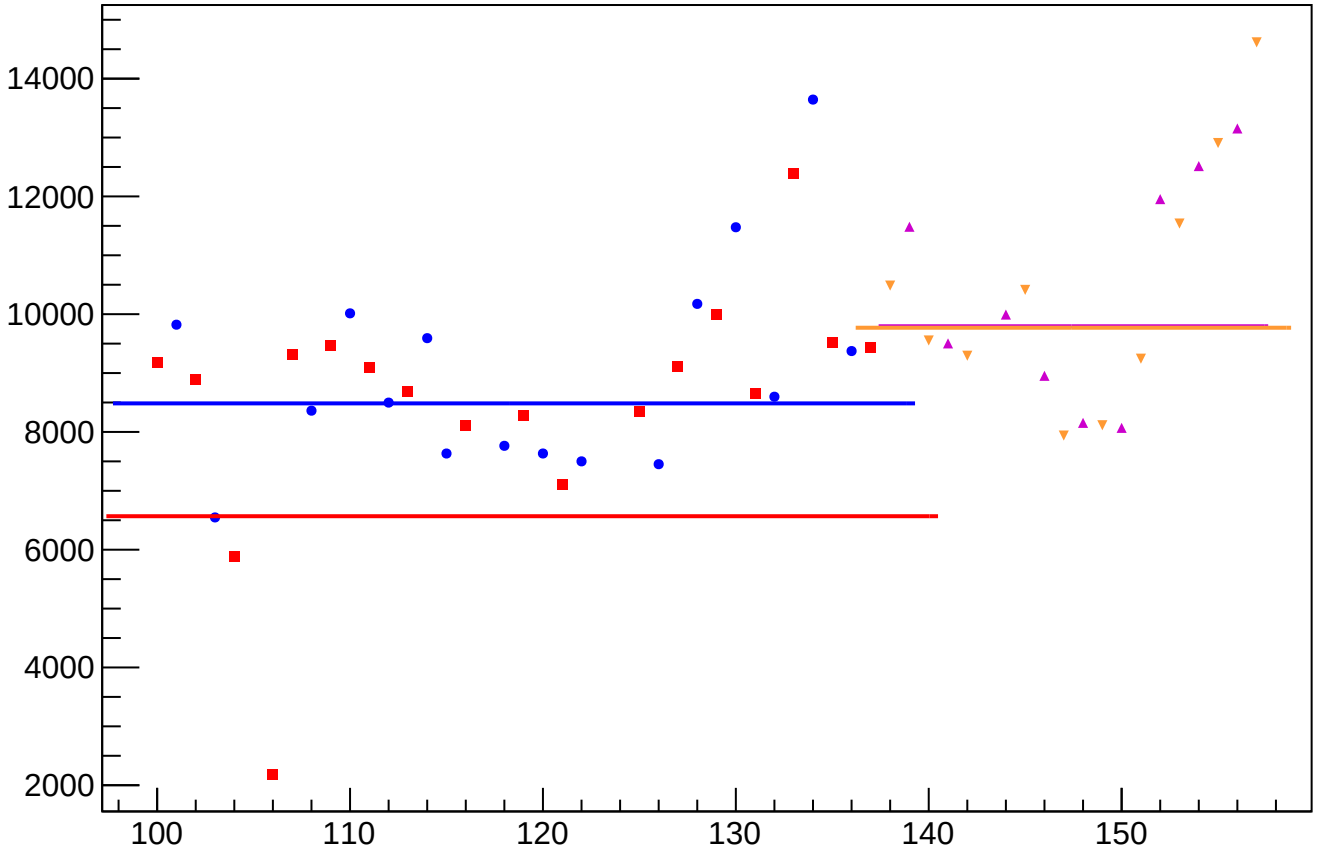
Left In: -1443.688+/-3560.144 χ^2/NDF:4.1/8

+ sign 77.610+/-2385.198 χ^2/NDF: 26.5/25

All: -438.085+/-1600.719 χ^2/NDF: 46.4/52

- sign -860.669+/-2159.158 χ^2/NDF: 19.9/26

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9769.718+/-2.518 χ^2/NDF:491808.8/9

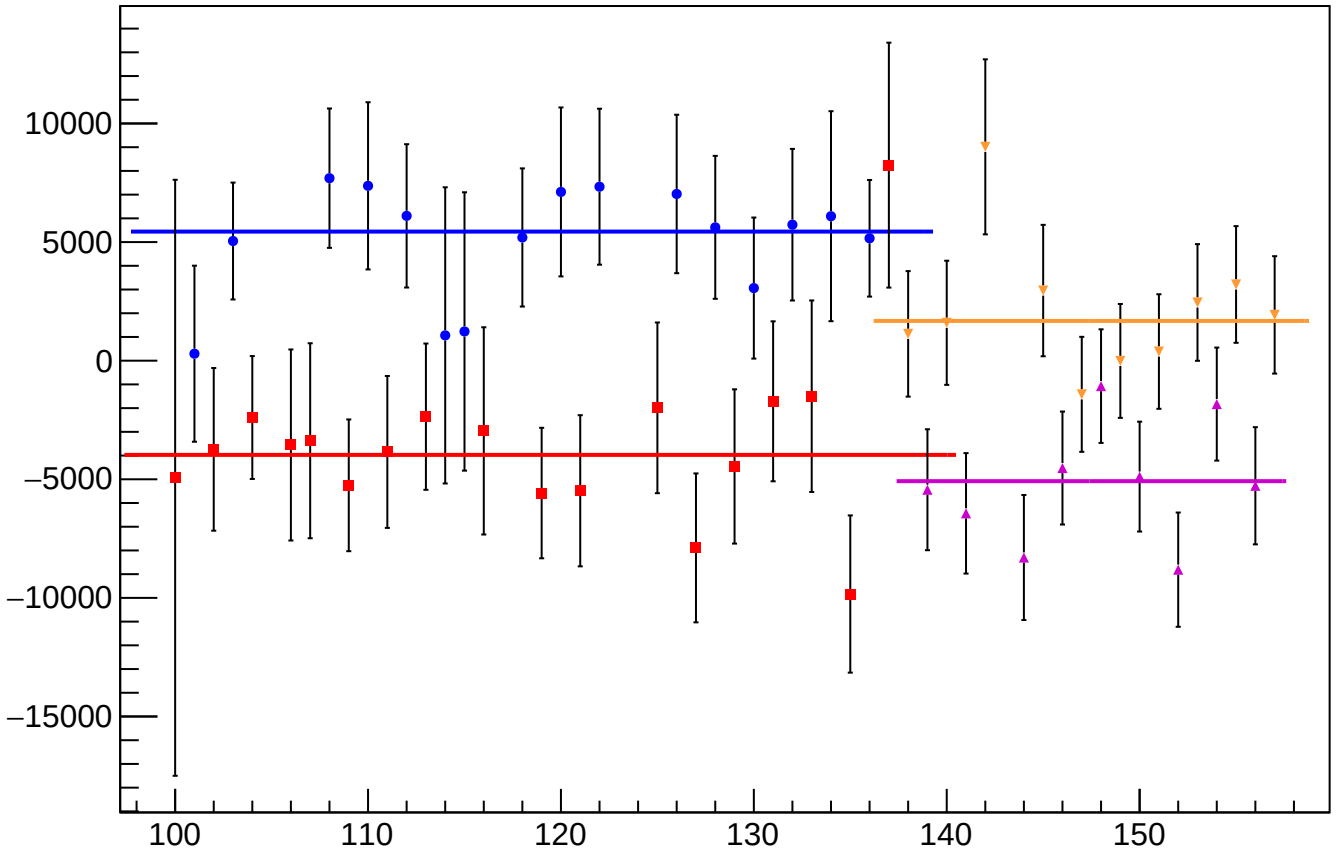
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9794.976+/-2.517 χ^2/NDF:449919.4/8

+ sign 9061.314+/-1.687 χ^2/NDF: 1058037.9/25

All: 8343.556+/-1.132 χ^2/NDF: 5444693.8/52

- sign 7755.392+/-1.527 χ^2/NDF: 4057139.5/26



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.183+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

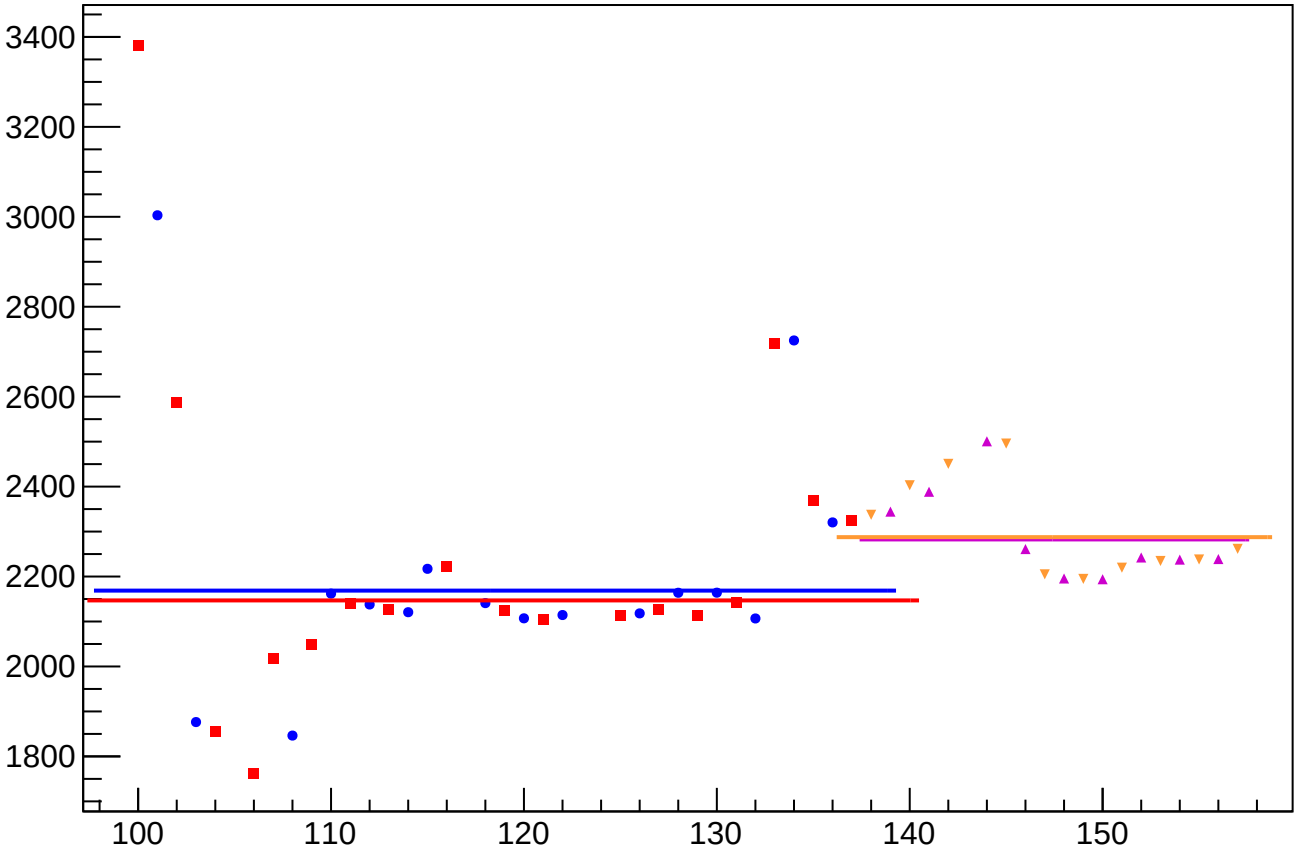
Left In: -5078.730+/-815.818 χ^2/NDF:8.9/8

+ sign 3567.305+/-575.763 χ^2/NDF: 23.2/25

All: -485.794+/-406.662 χ^2/NDF: 144.9/52

- sign -4520.470+/-574.453 χ^2/NDF: 22.8/26

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

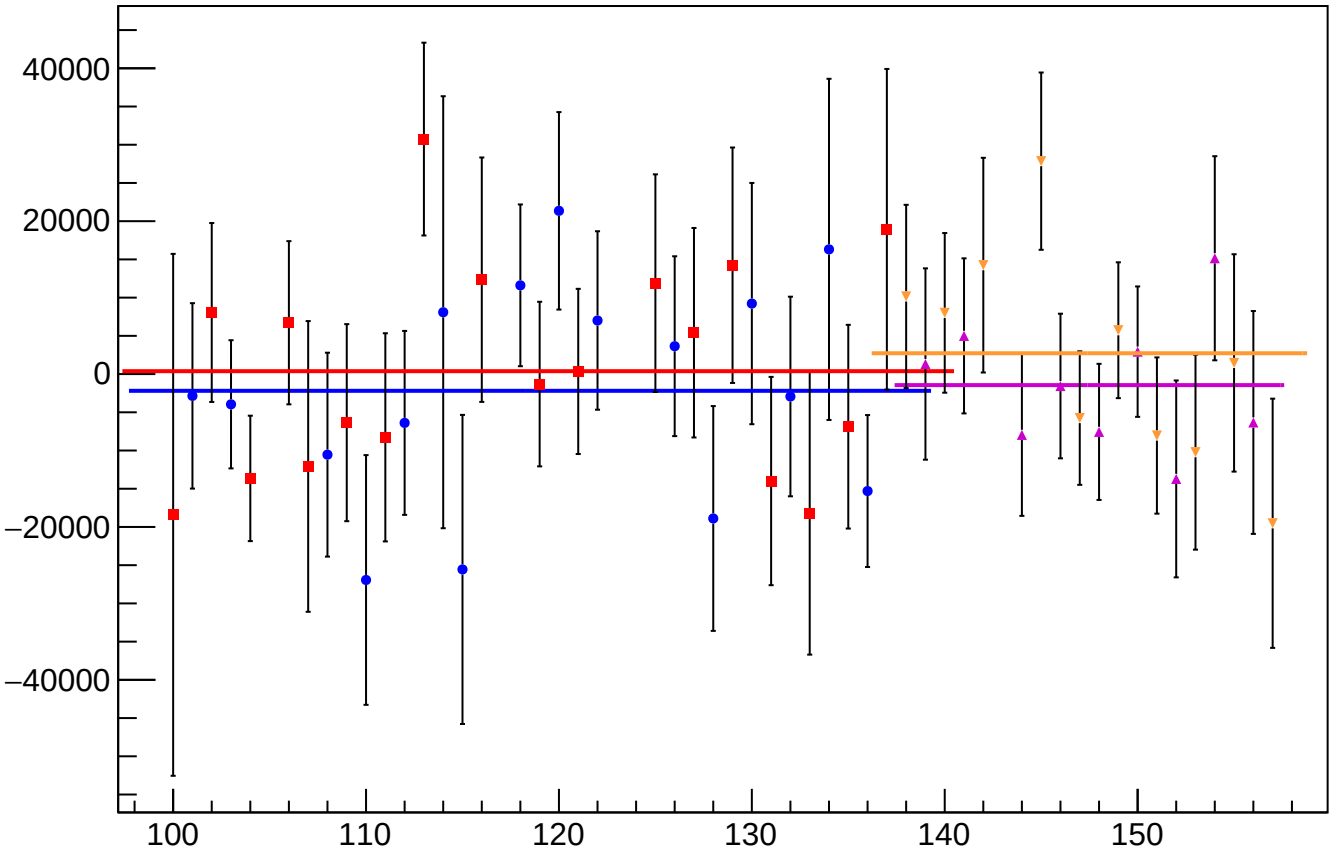
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2282.514+/-0.577 χ^2/NDF:25978.6/8

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.6/25

All: 2220.814+/-0.287 χ^2/NDF: 457964.1/52

- sign 2213.797+/-0.405 χ^2/NDF: 211735.7/26



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 2723.376+/-3561.215 χ^2/NDF:11.1/9

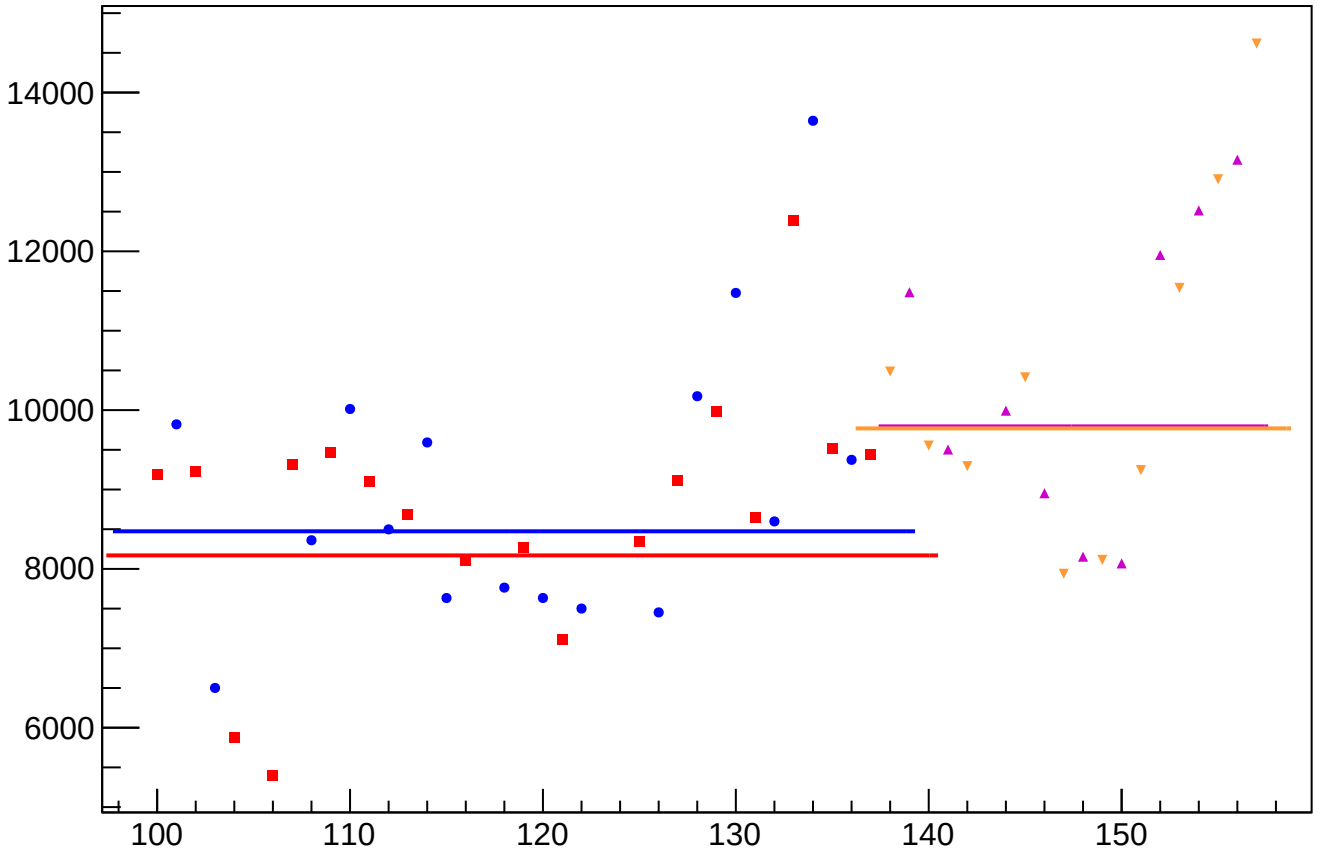
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -1443.942+/-3560.142 χ^2/NDF:4.1/8

+ sign 11.813+/-2383.735 χ^2/NDF: 26.6/25

All: -201.648+/-1669.108 χ^2/NDF: 47.2/52

- sign -406.976+/-2337.883 χ^2/NDF: 20.6/26



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9769.709+/-2.518 χ^2/NDF:491811.7/9

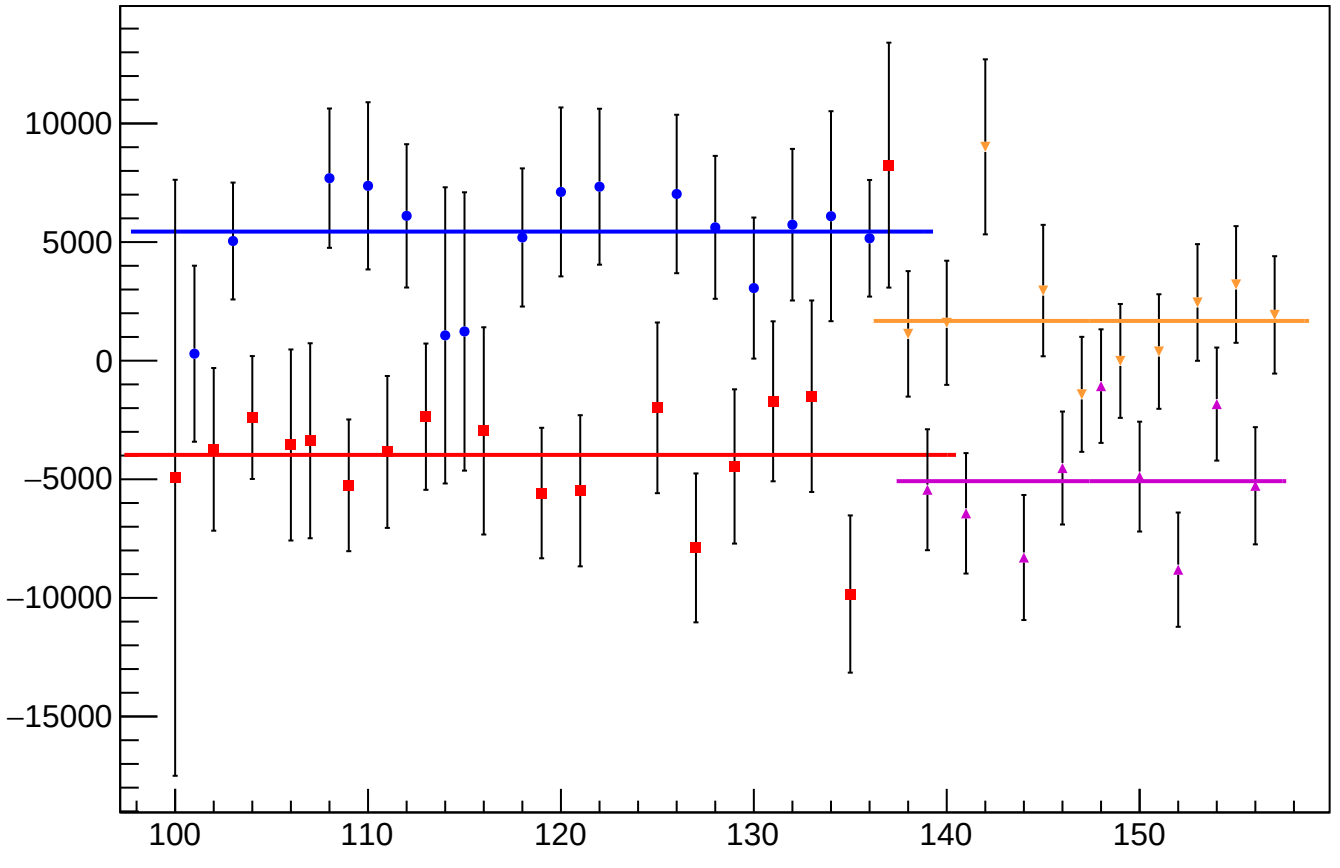
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9794.970+/-2.517 χ^2/NDF:449921.5/8

+ sign 9054.391+/-1.686 χ^2/NDF: 1067551.9/25

All: 8960.790+/-1.180 χ^2/NDF: 2300426.6/52

- sign 8870.755+/-1.653 χ^2/NDF: 1226824.6/26



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1676.183+/-815.982 χ^2/NDF:7.1/9

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

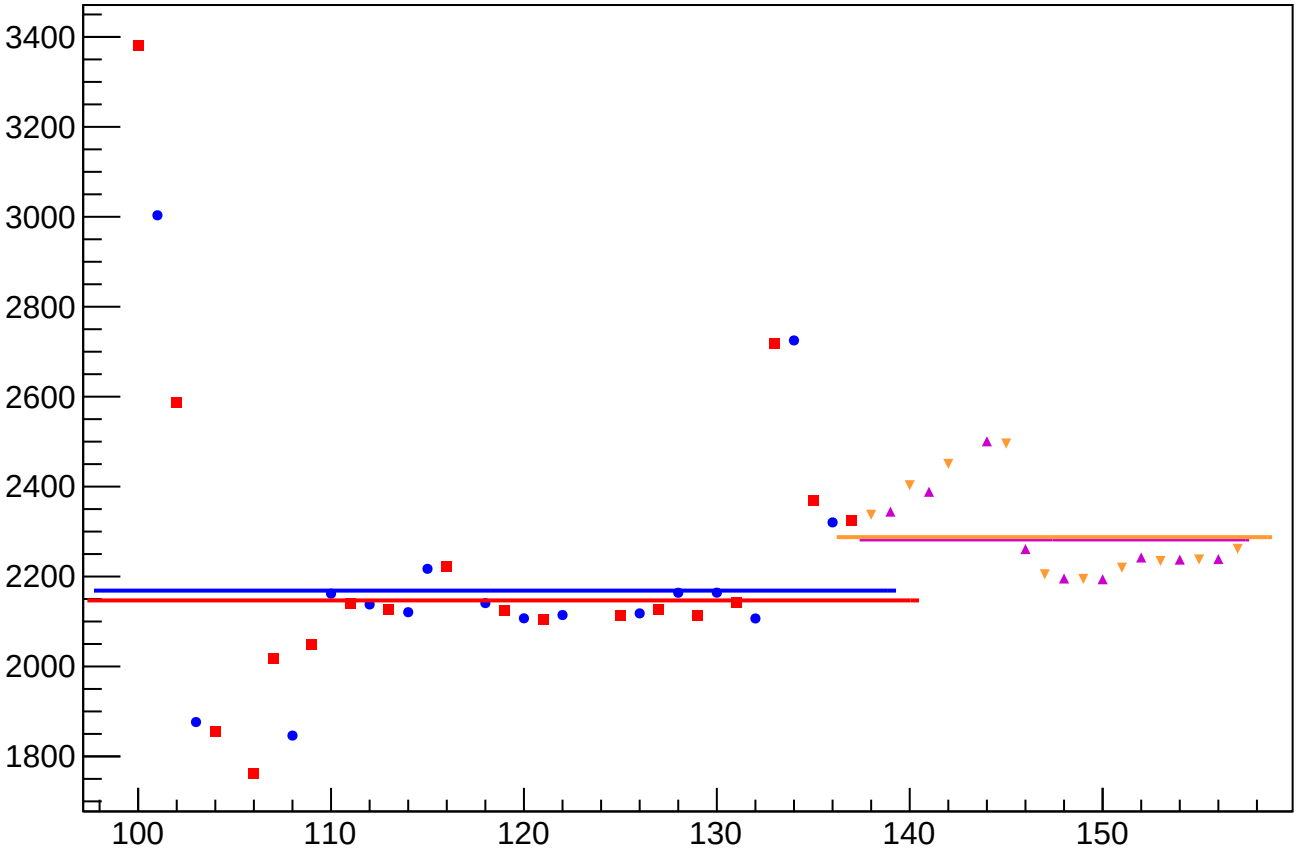
Left In: -5078.730+/-815.818 χ^2/NDF:8.9/8

+ sign 3567.305+/-575.763 χ^2/NDF: 23.2/25

All: -485.794+/-406.662 χ^2/NDF: 144.9/52

- sign -4520.470+/-574.453 χ^2/NDF: 22.8/26

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2287.587+/-0.577 χ^2/NDF:28653.3/9

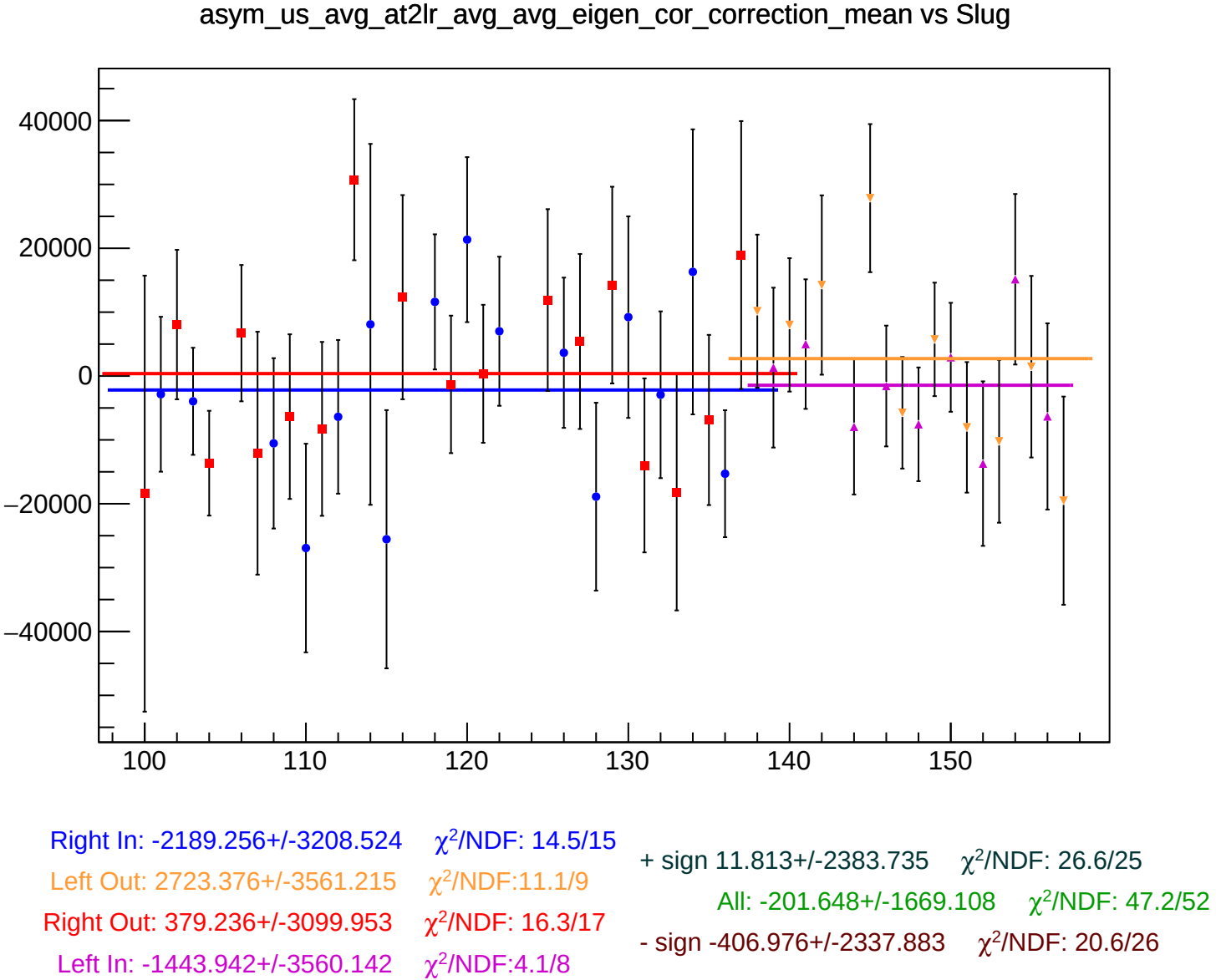
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

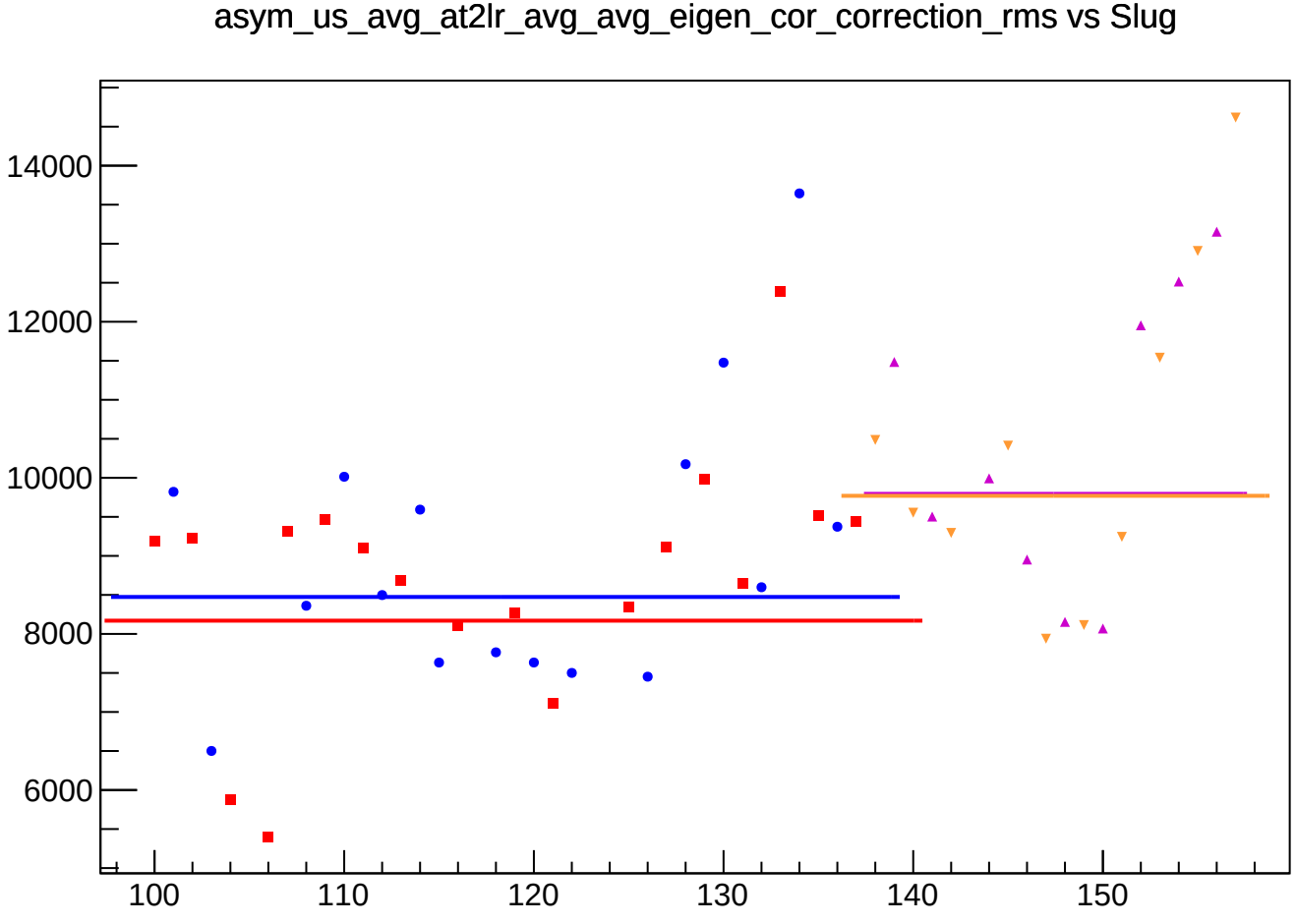
Left In: 2282.514+/-0.577 χ^2/NDF:25978.6/8

+ sign 2227.899+/-0.407 χ^2/NDF: 245625.6/25

All: 2220.814+/-0.287 χ^2/NDF: 457964.1/52

- sign 2213.797+/-0.405 χ^2/NDF: 211735.7/26


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: 2723.376+/-3561.215 χ²/NDF:11.1/9
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -1443.942+/-3560.142 χ²/NDF:4.1/8
+ sign 11.813+/-2383.735 χ²/NDF: 26.6/25
All: -201.648+/-1669.108 χ²/NDF: 47.2/52
- sign -406.976+/-2337.883 χ²/NDF: 20.6/26



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9769.709+/-2.518 χ^2/NDF:491811.7/9

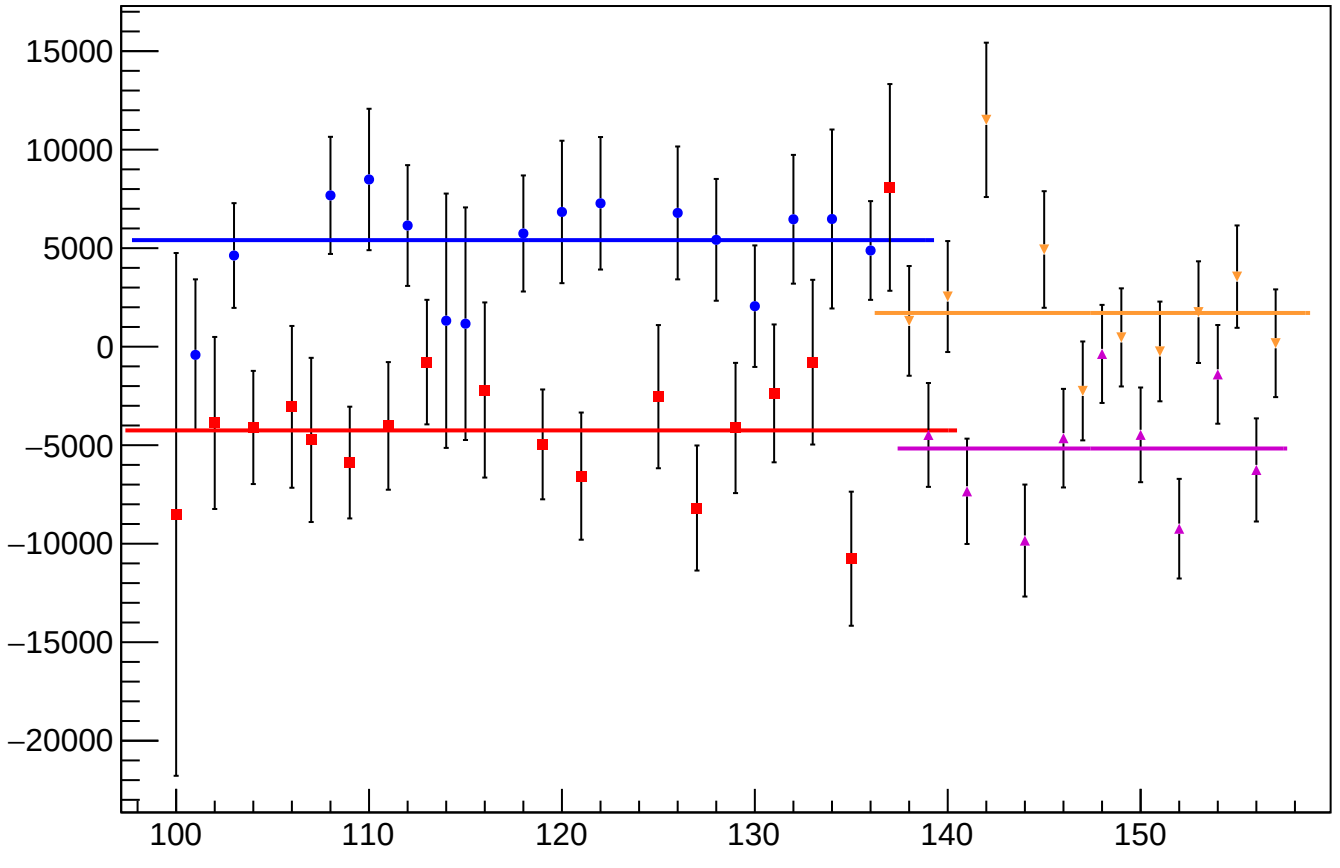
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9794.970+/-2.517 χ^2/NDF:449921.5/8

+ sign 9054.391+/-1.686 χ^2/NDF: 1067551.9/25

All: 8960.790+/-1.180 χ^2/NDF: 2300426.6/52

- sign 8870.755+/-1.653 χ^2/NDF: 1226824.6/26



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1711.460+/-863.003 χ^2/NDF:11.7/9

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

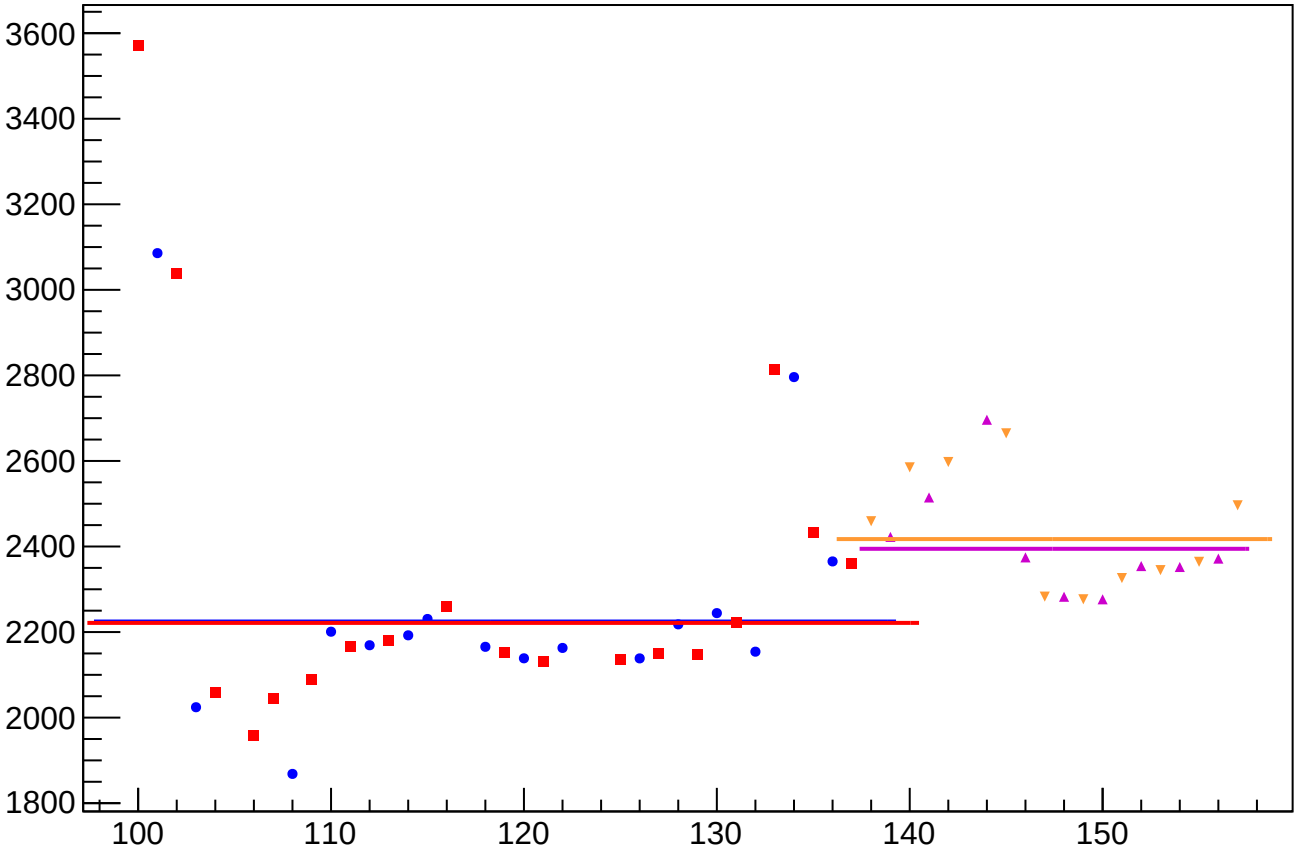
Left In: -5168.207+/-856.317 χ^2/NDF:12.3/8

+ sign 3623.509+/-599.603 χ^2/NDF: 27.9/25

All: -539.487+/-423.916 χ^2/NDF: 151.7/52

- sign -4699.857+/-599.414 χ^2/NDF: 27.4/26

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2417.352+/-0.610 χ^2/NDF:44542.9/9

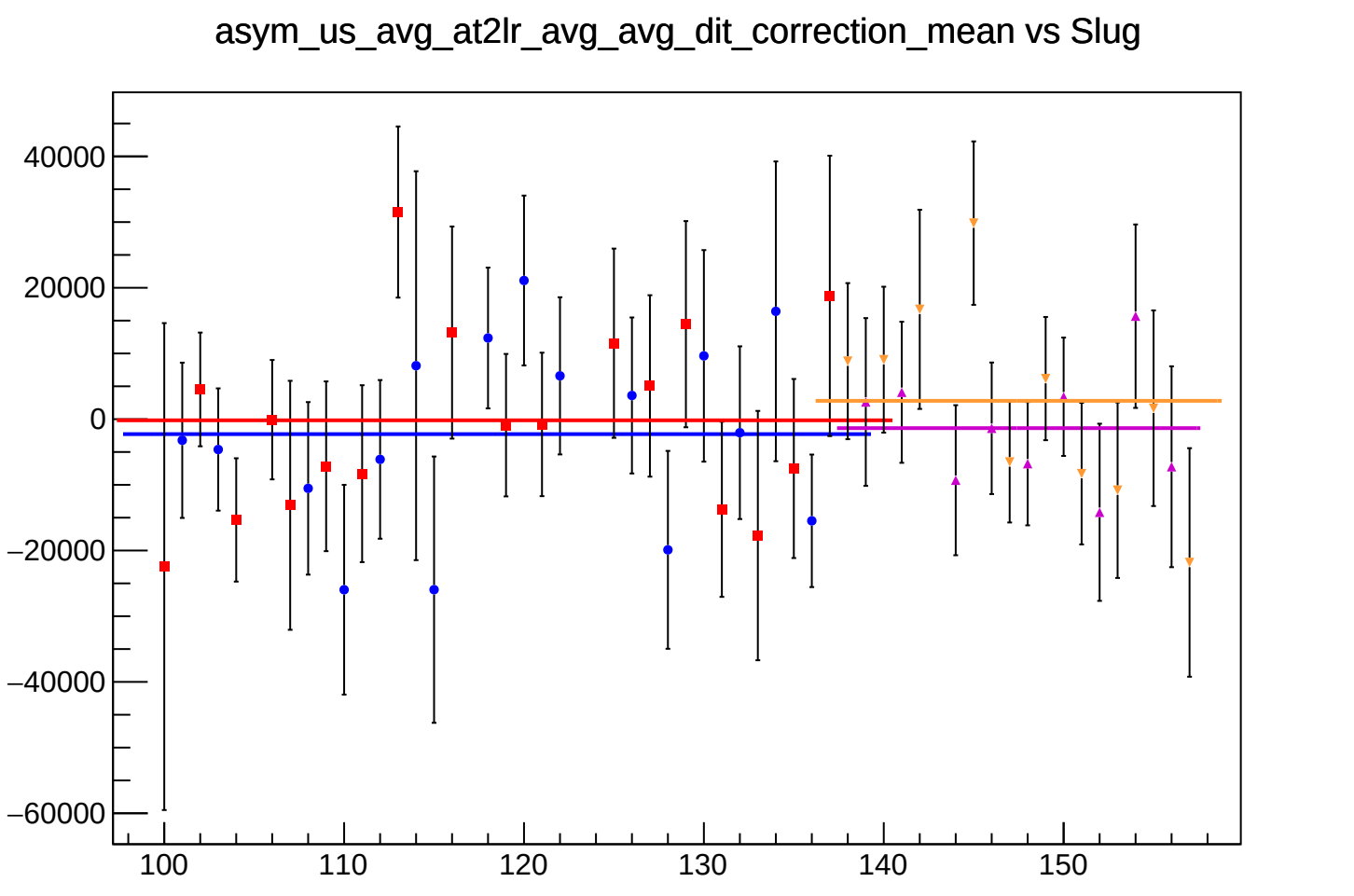
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2394.633+/-0.606 χ^2/NDF:37041.4/8

+ sign 2317.654+/-0.424 χ^2/NDF: 280824.2/25

All: 2311.944+/-0.300 χ^2/NDF: 529930.5/52

- sign 2306.241+/-0.424 χ^2/NDF: 248743.9/26



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 2789.075+/-3748.560 χ^2/NDF:11.4/9

Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

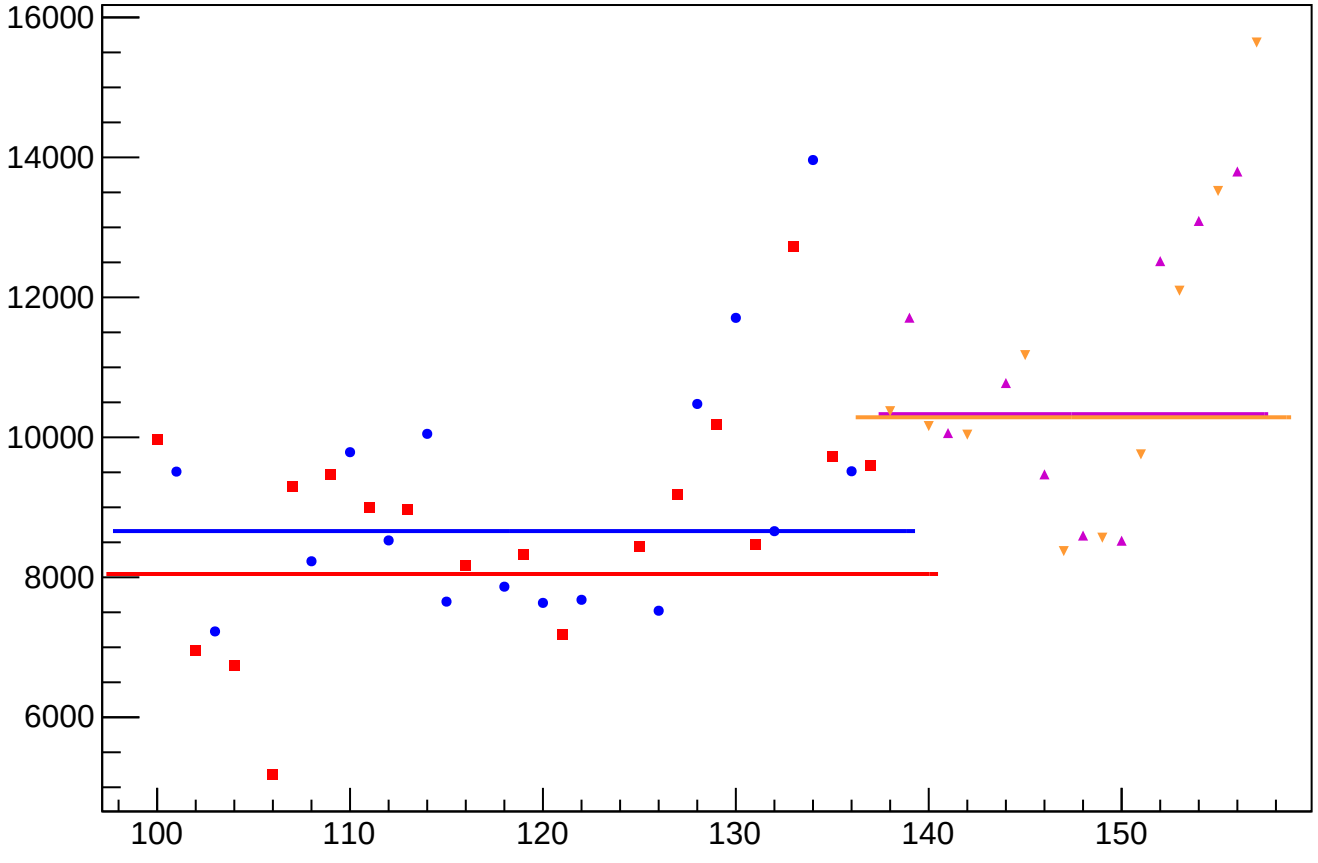
Left In: -1368.550+/-3752.293 χ^2/NDF:4.0/8

+ sign -87.281+/-2464.926 χ^2/NDF: 26.9/25

All: -380.009+/-1704.620 χ^2/NDF: 46.7/52

- sign -648.322+/-2359.896 χ^2/NDF: 19.7/26

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10286.630+/-2.651 χ^2/NDF:489772.2/9

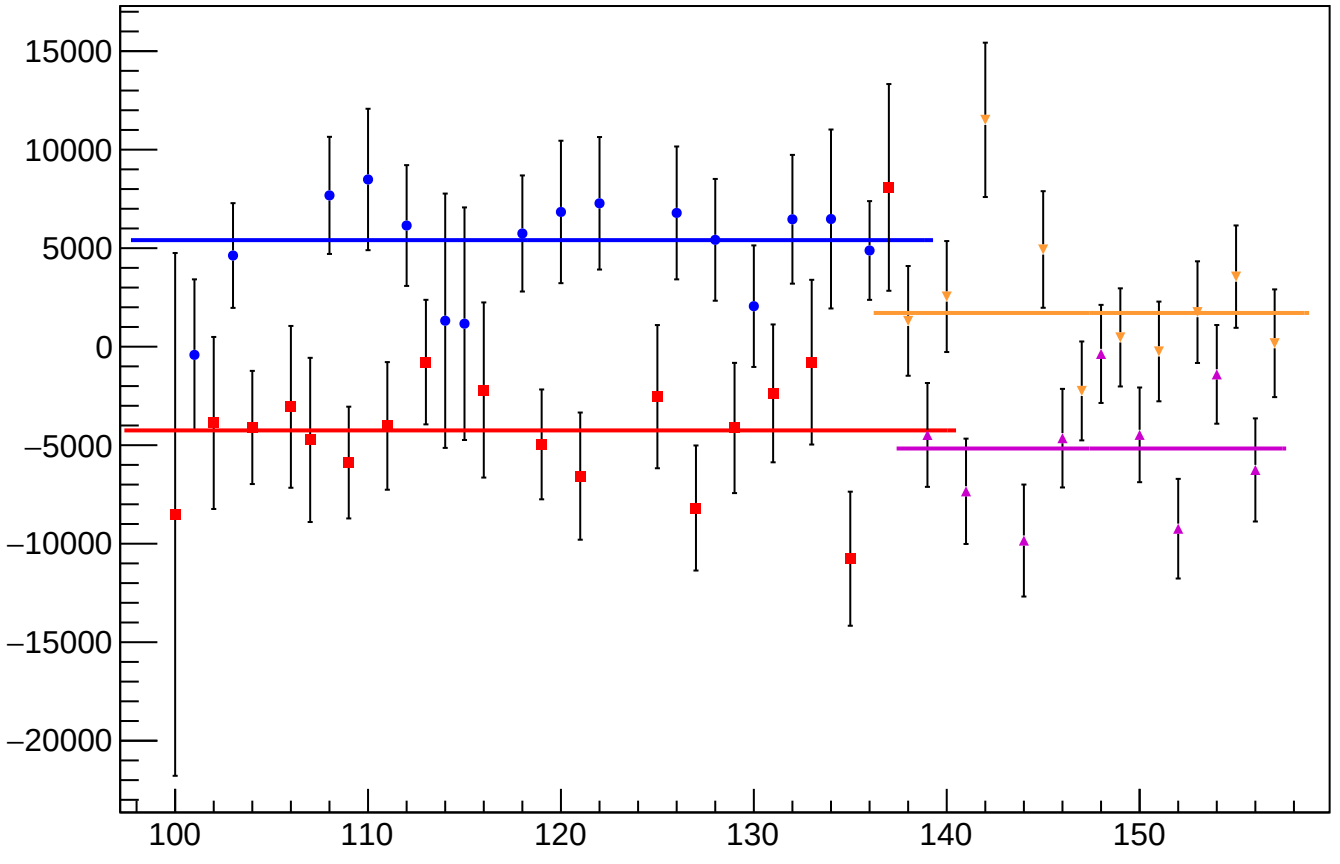
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10331.301+/-2.653 χ^2/NDF:424868.2/8

+ sign 9363.759+/-1.743 χ^2/NDF: 1061301.5/25

All: 9148.301+/-1.205 χ^2/NDF: 2521868.7/52

- sign 8950.814+/-1.669 χ^2/NDF: 1431280.0/26



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1711.455+/-863.004 χ^2/NDF:11.7/9

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

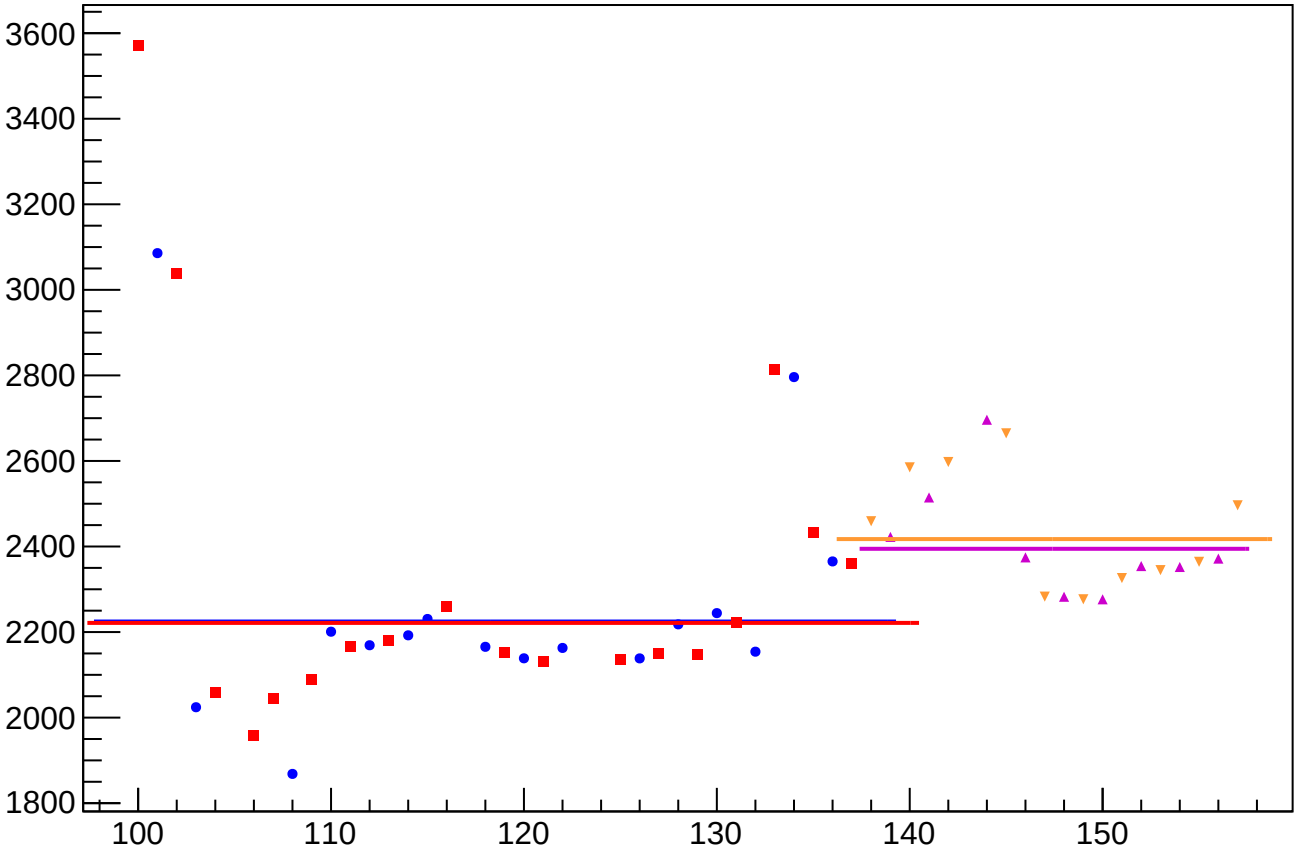
Left In: -5168.204+/-856.318 χ^2/NDF:12.3/8

+ sign 3623.510+/-599.603 χ^2/NDF: 27.9/25

All: -539.486+/-423.916 χ^2/NDF: 151.7/52

- sign -4699.857+/-599.414 χ^2/NDF: 27.4/26

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2417.355+/-0.610 χ^2/NDF:44543.6/9

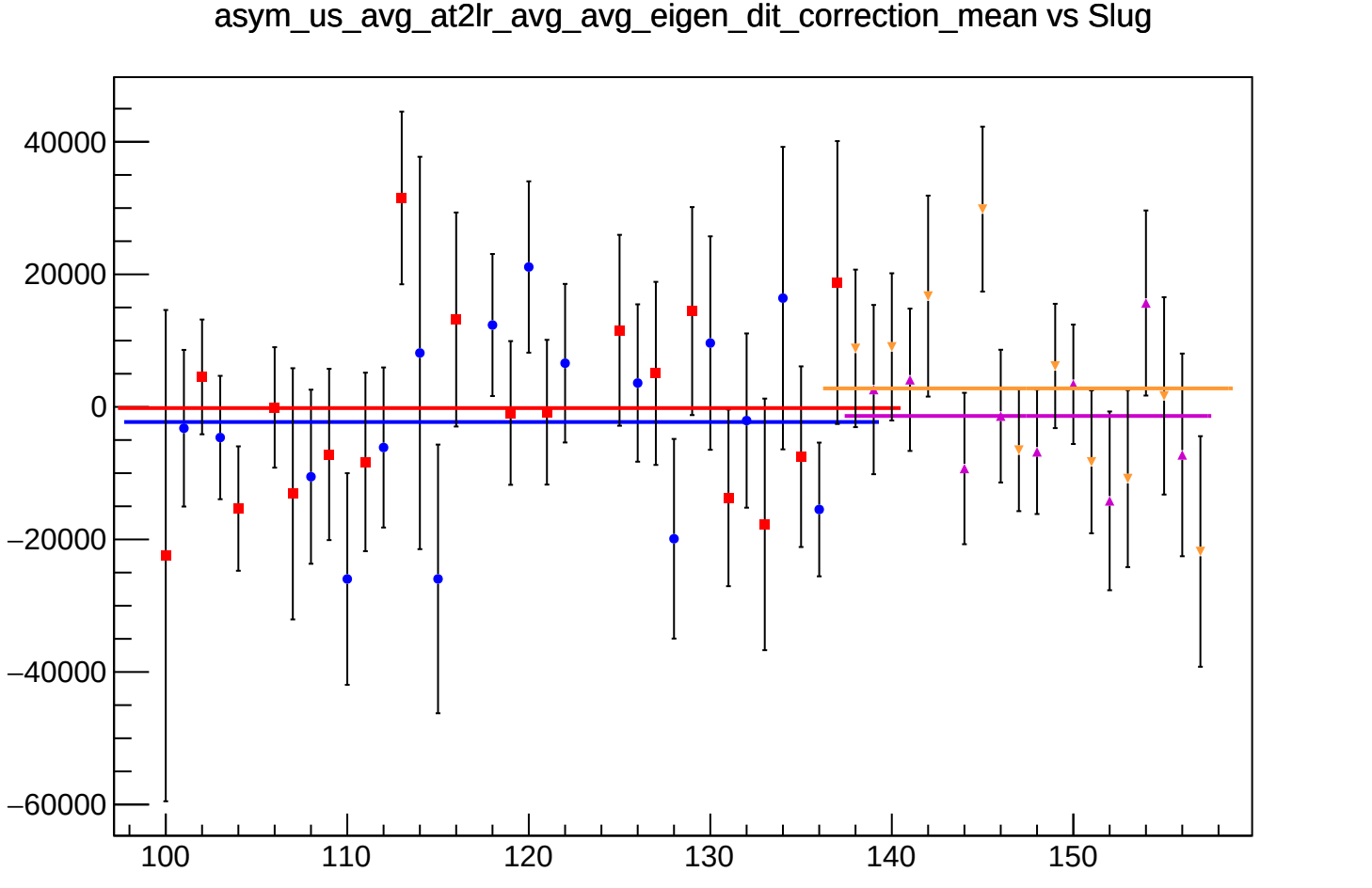
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2394.636+/-0.606 χ^2/NDF:37041.7/8

+ sign 2317.655+/-0.424 χ^2/NDF: 280827.1/25

All: 2311.945+/-0.300 χ^2/NDF: 529935.5/52

- sign 2306.242+/-0.424 χ^2/NDF: 248745.9/26



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 2789.068+/-3748.565 χ^2/NDF:11.4/9

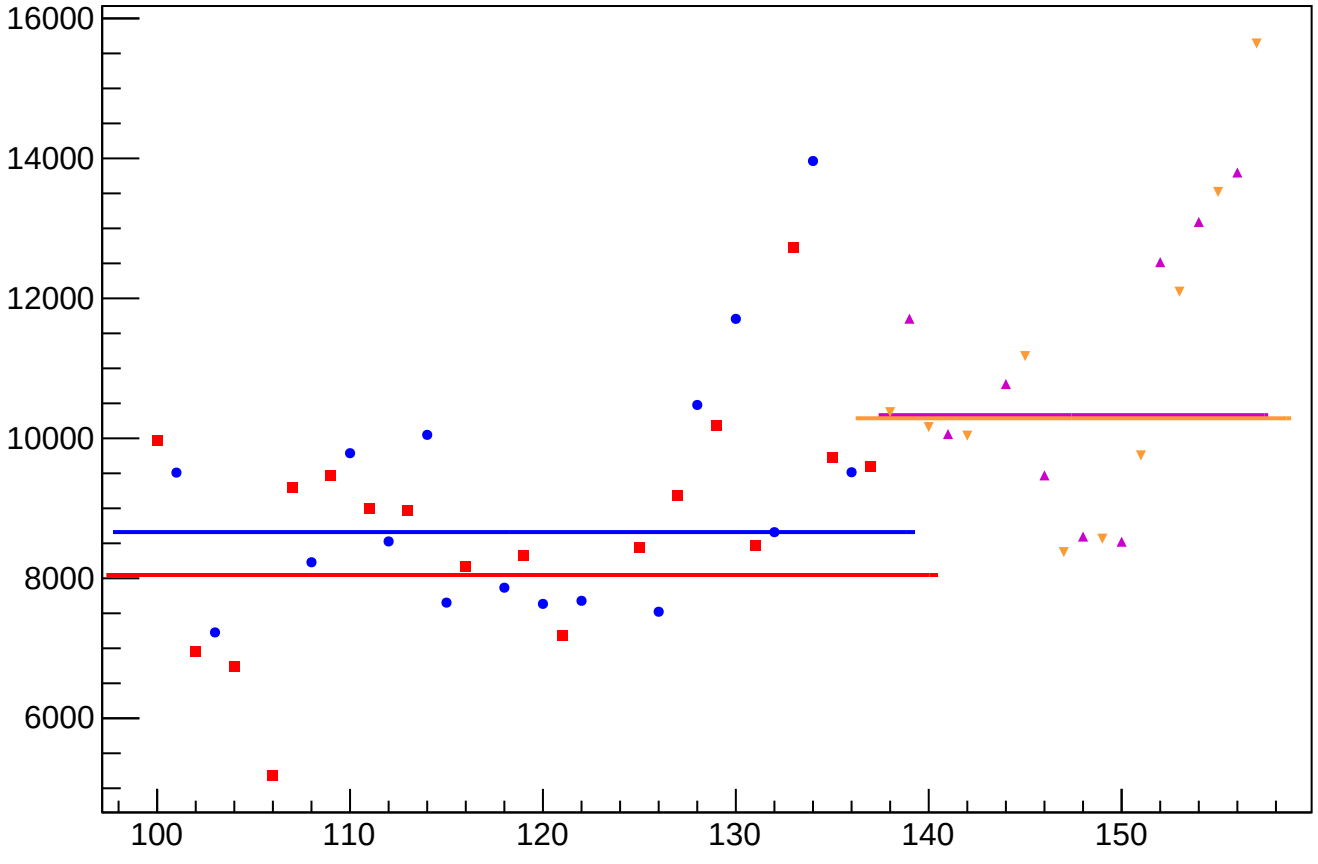
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -1368.547+/-3752.298 χ^2/NDF:4.0/8

+ sign -87.281+/-2464.924 χ^2/NDF: 26.9/25

All: -380.009+/-1704.618 χ^2/NDF: 46.7/52

- sign -648.322+/-2359.894 χ^2/NDF: 19.7/26



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10286.643+/-2.651 χ^2/NDF:489773.3/9

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

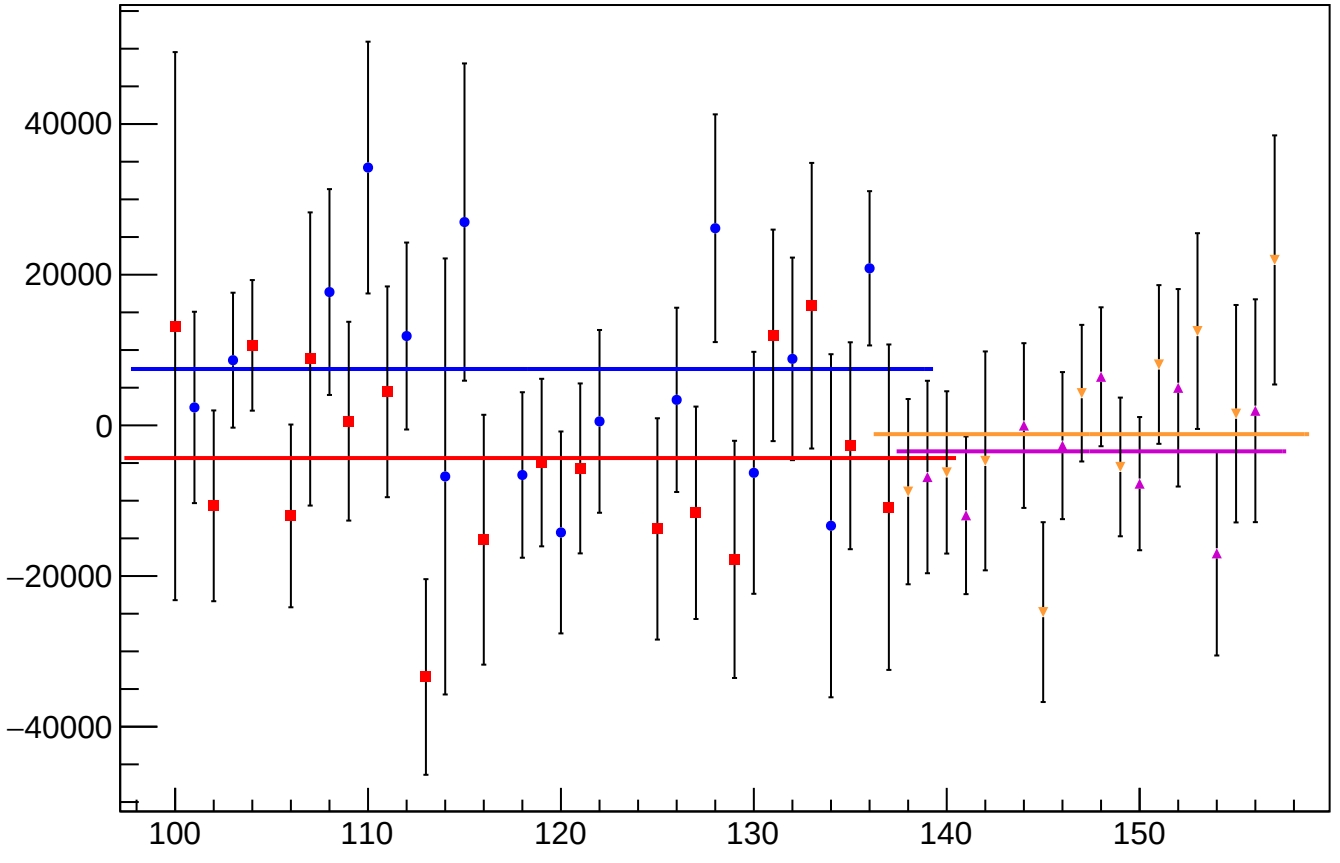
Left In: 10331.315+/-2.653 χ^2/NDF:424868.8/8

+ sign 9363.750+/-1.743 χ^2/NDF: 1061314.0/25

All: 9148.292+/-1.205 χ^2/NDF: 2521892.5/52

- sign 8950.804+/-1.669 χ^2/NDF: 1431291.3/26

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -1166.927+/-3667.555 χ^2/NDF:9.0/9

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

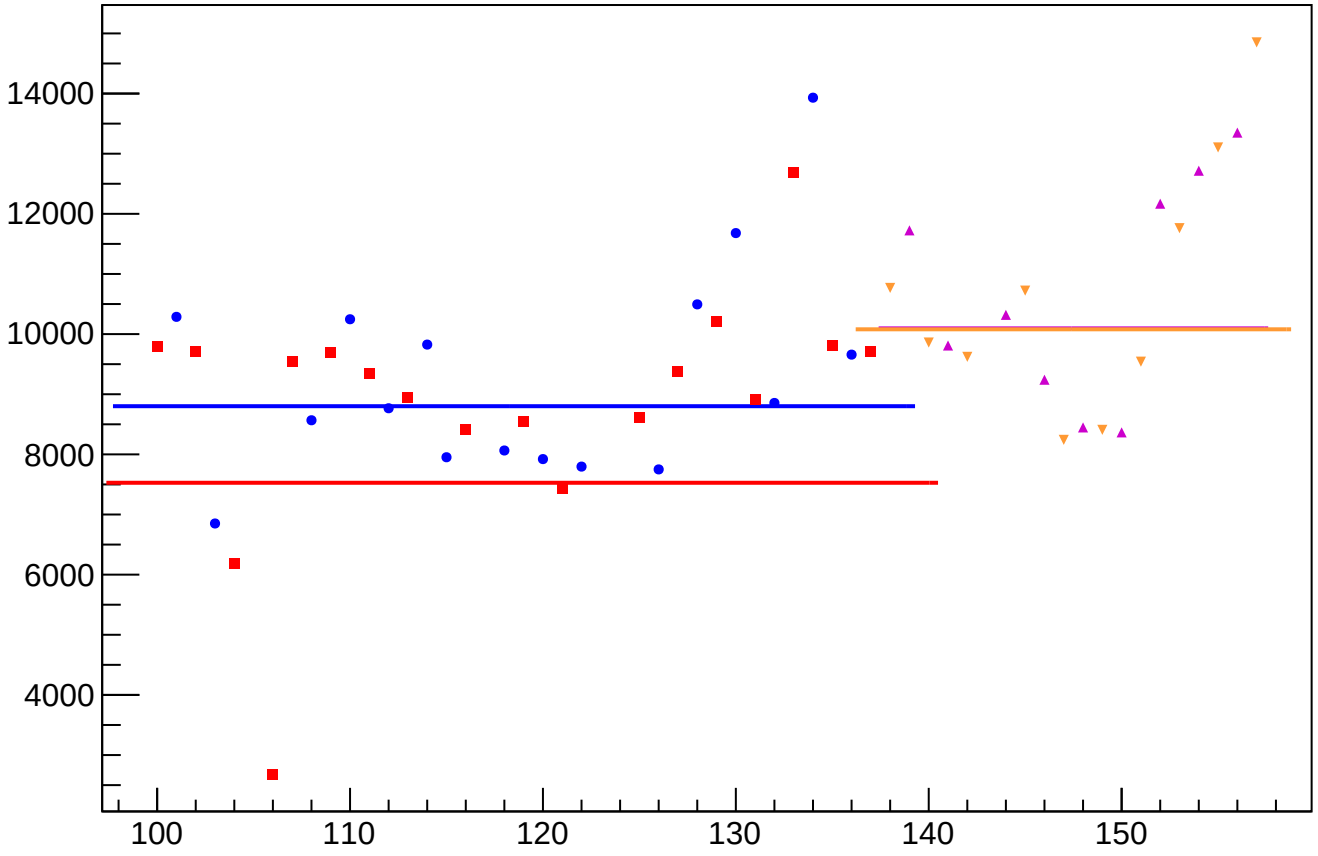
Left In: -3448.539+/-3663.726 χ^2/NDF:3.8/8

+ sign 3572.480+/-2465.757 χ^2/NDF: 26.1/25

All: -245.202+/-1730.113 χ^2/NDF: 48.9/52

- sign -3947.395+/-2428.175 χ^2/NDF: 18.1/26

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10079.684+/-2.593 χ^2/NDF:456154.8/9

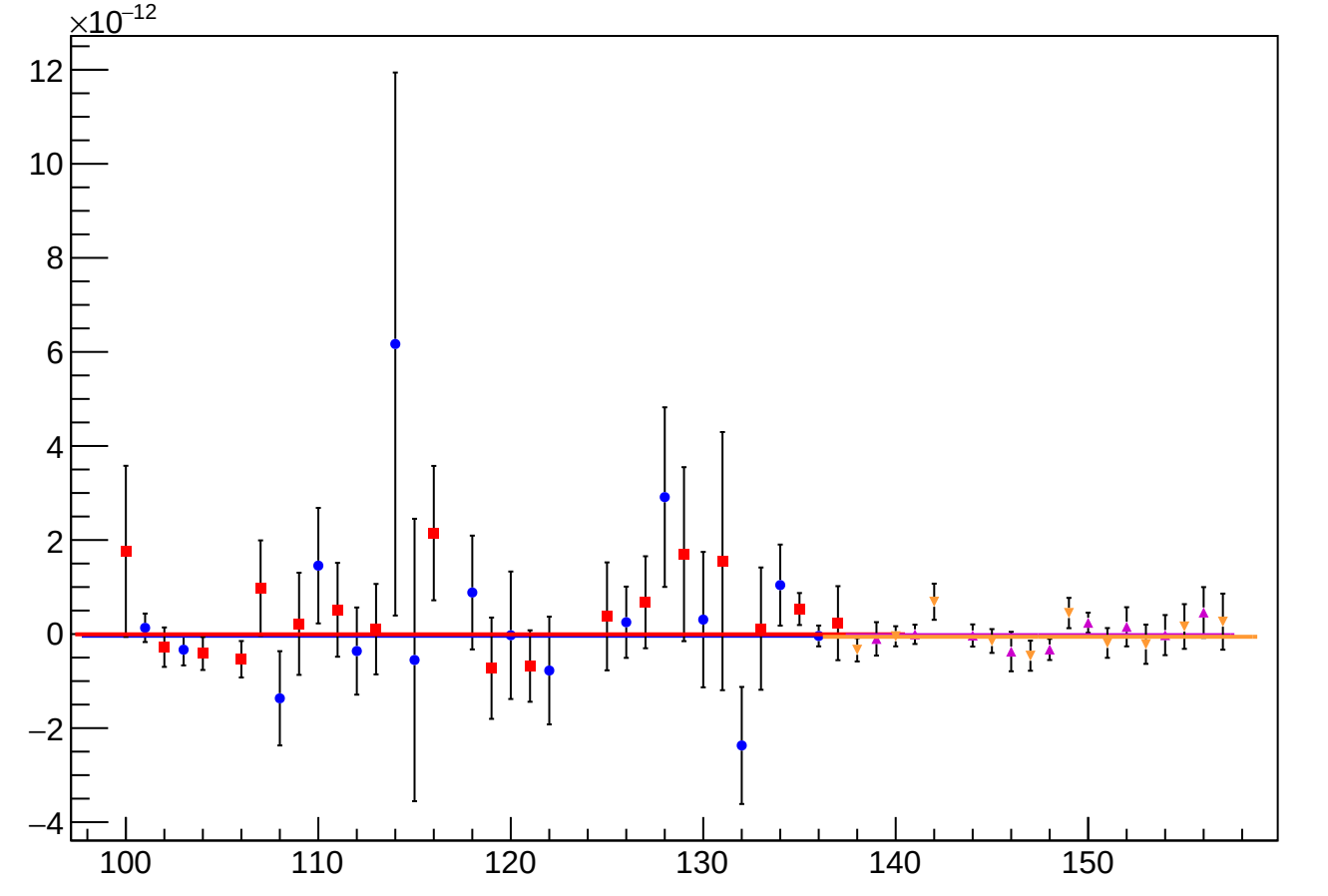
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10095.457+/-2.591 χ^2/NDF:412162.1/8

+ sign 9379.010+/-1.744 χ^2/NDF: 983938.0/25

All: 8946.894+/-1.196 χ^2/NDF: 3755958.3/52

- sign 8562.466+/-1.645 χ^2/NDF: 2655951.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/9

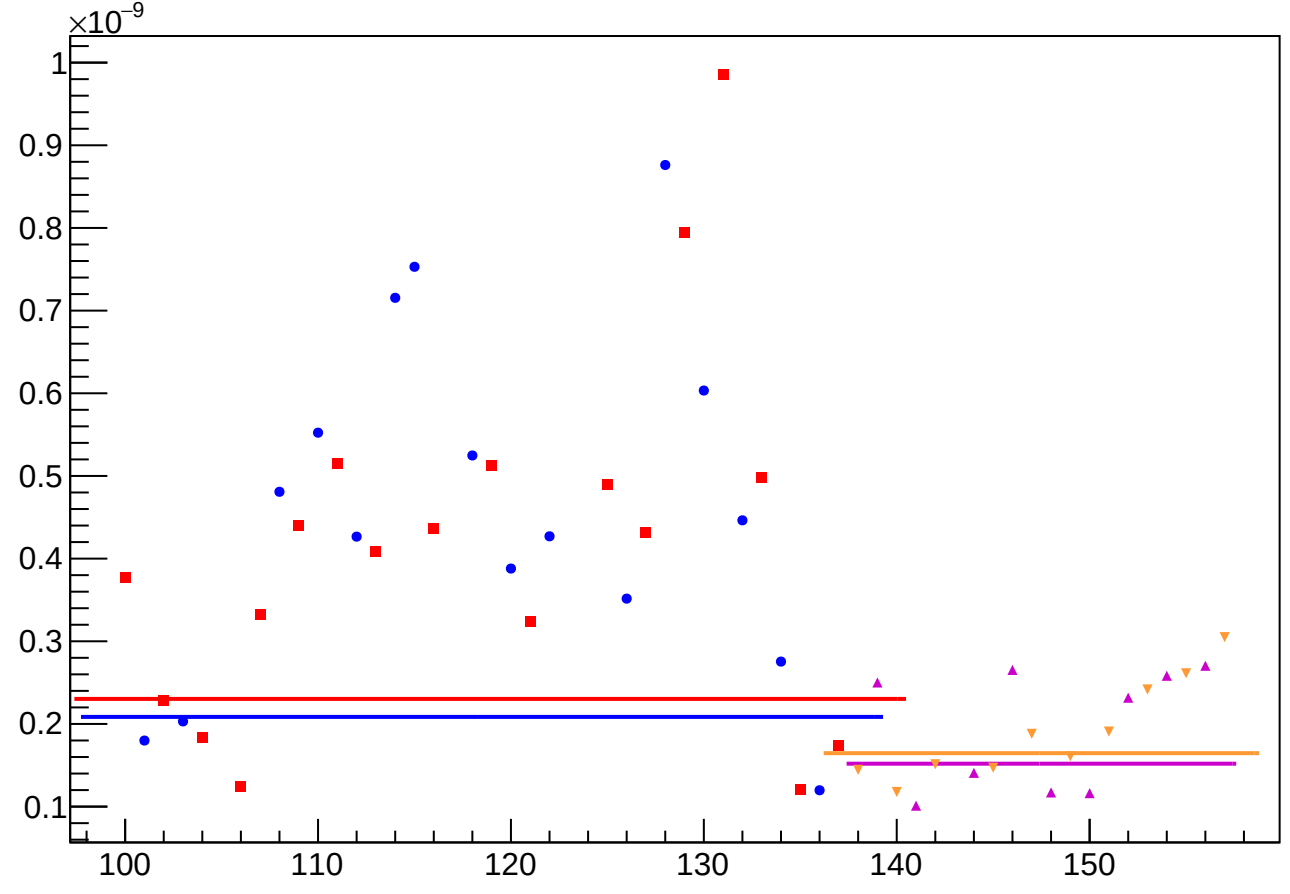
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/25

All: -0.000+/-0.000 χ^2/NDF: 43.2/52

- sign -0.000+/-0.000 χ^2/NDF: 18.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:407830.8/9

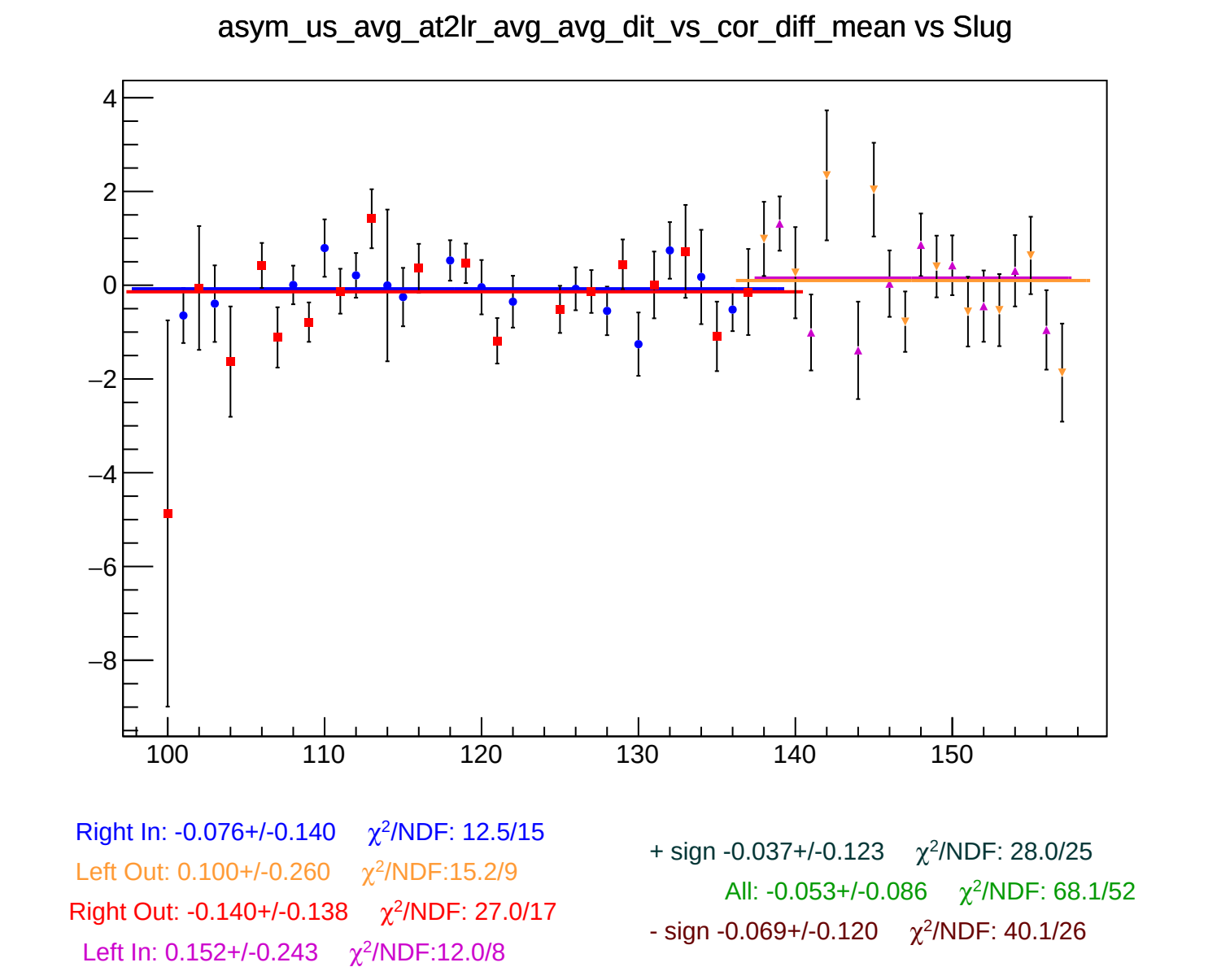
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

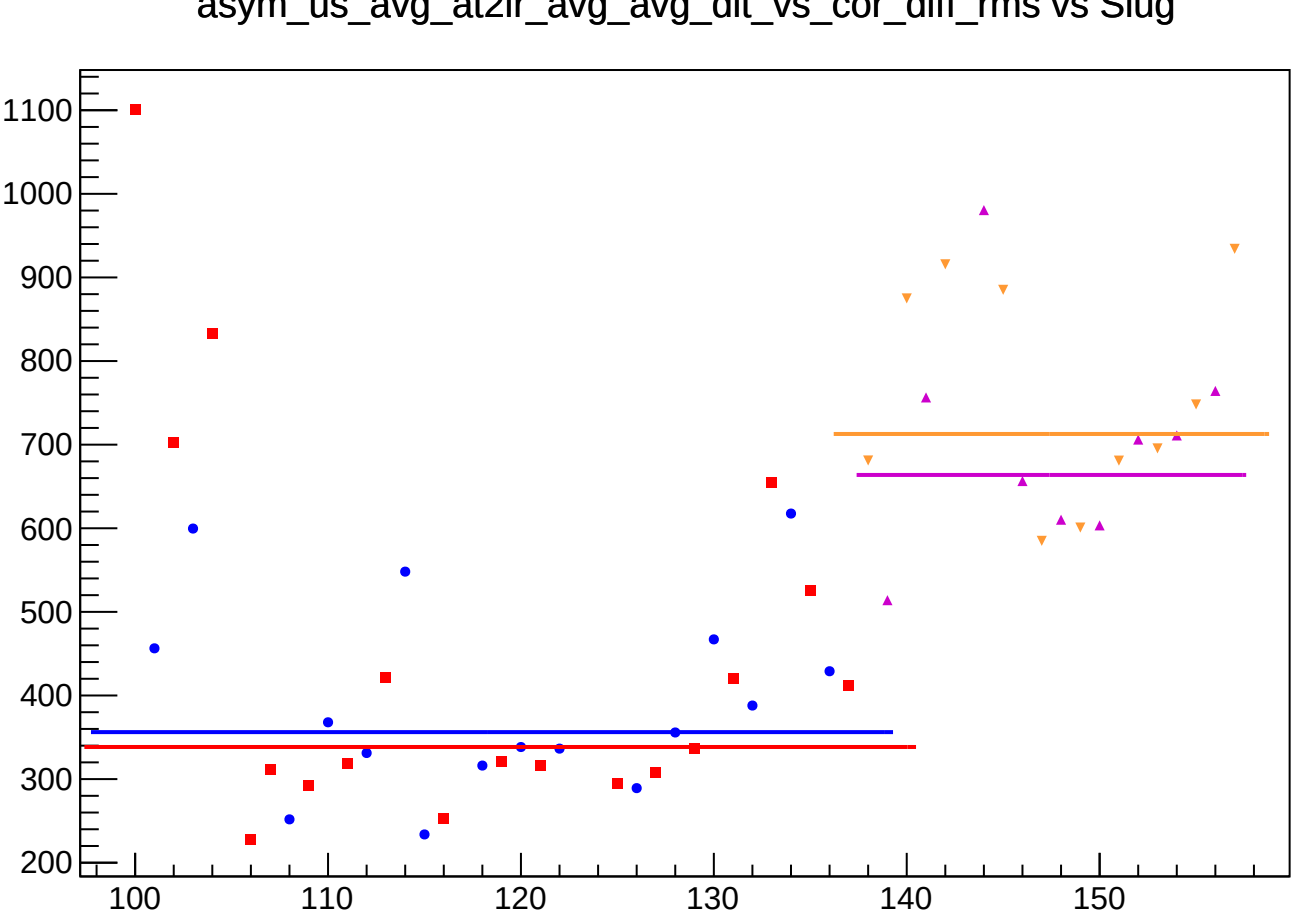
Left In: 0.000+/-0.000 χ^2/NDF:823869.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 2169176.5/25

All: 0.000+/-0.000 χ^2/NDF: 4927501.4/52

- sign 0.000+/-0.000 χ^2/NDF: 2752668.6/26


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: 0.100+/-0.260 χ²/NDF:15.2/9
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.152+/-0.243 χ²/NDF:12.0/8
+ sign -0.037+/-0.123 χ²/NDF: 28.0/25
All: -0.053+/-0.086 χ²/NDF: 68.1/52
- sign -0.069+/-0.120 χ²/NDF: 40.1/26



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.786+/-0.184 χ^2/NDF:395575.7/9

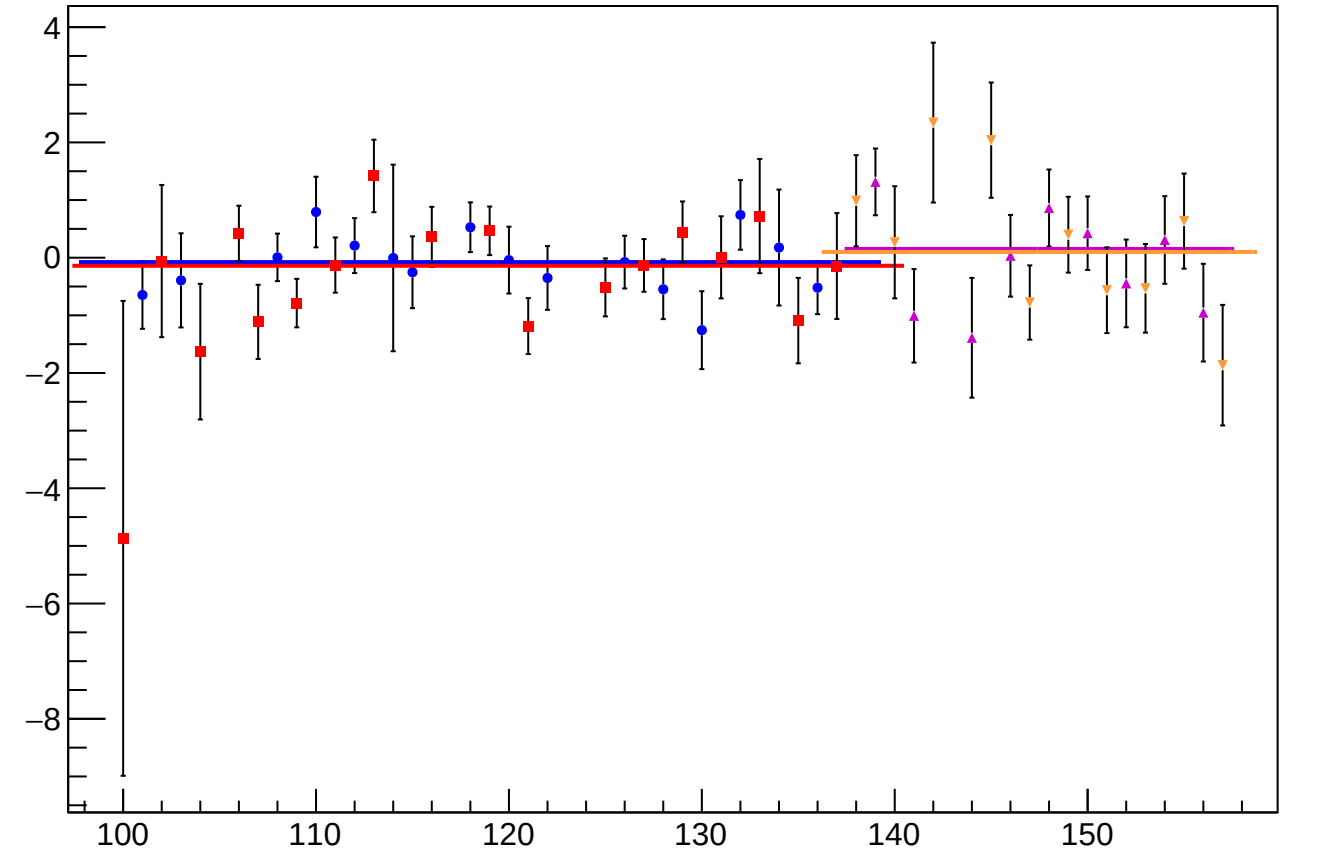
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 663.779+/-0.172 χ^2/NDF:418753.7/8

+ sign 436.163+/-0.087 χ^2/NDF: 4094845.4/25

All: 426.758+/-0.061 χ^2/NDF: 8455008.0/52

- sign 417.845+/-0.085 χ^2/NDF: 4337467.9/26



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

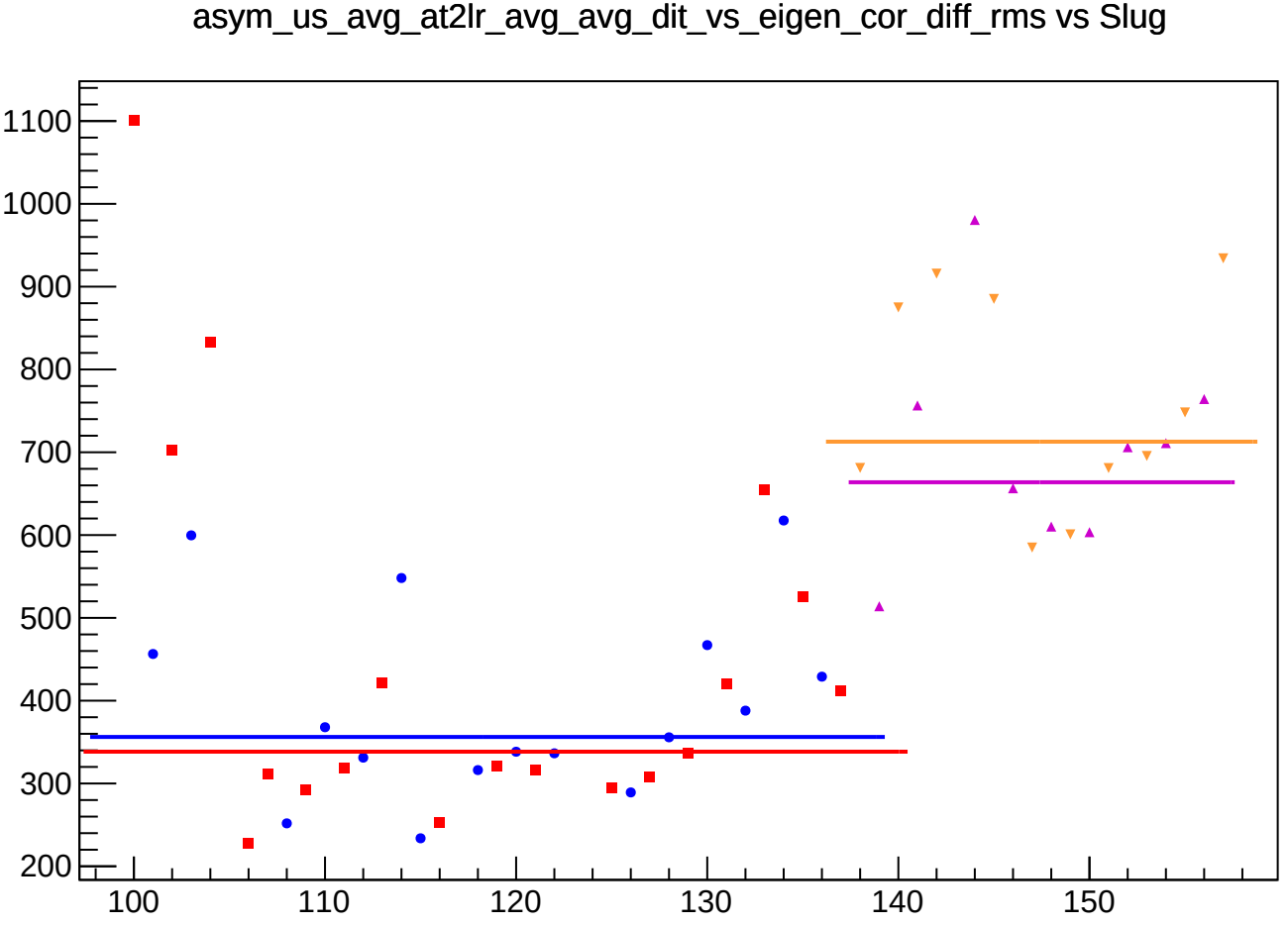
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.152+/-0.243 χ^2/NDF:12.0/8

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.053+/-0.086 χ^2/NDF: 68.1/52

- sign -0.069+/-0.120 χ^2/NDF: 40.1/26



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 712.786+/-0.184 χ^2/NDF:395575.7/9

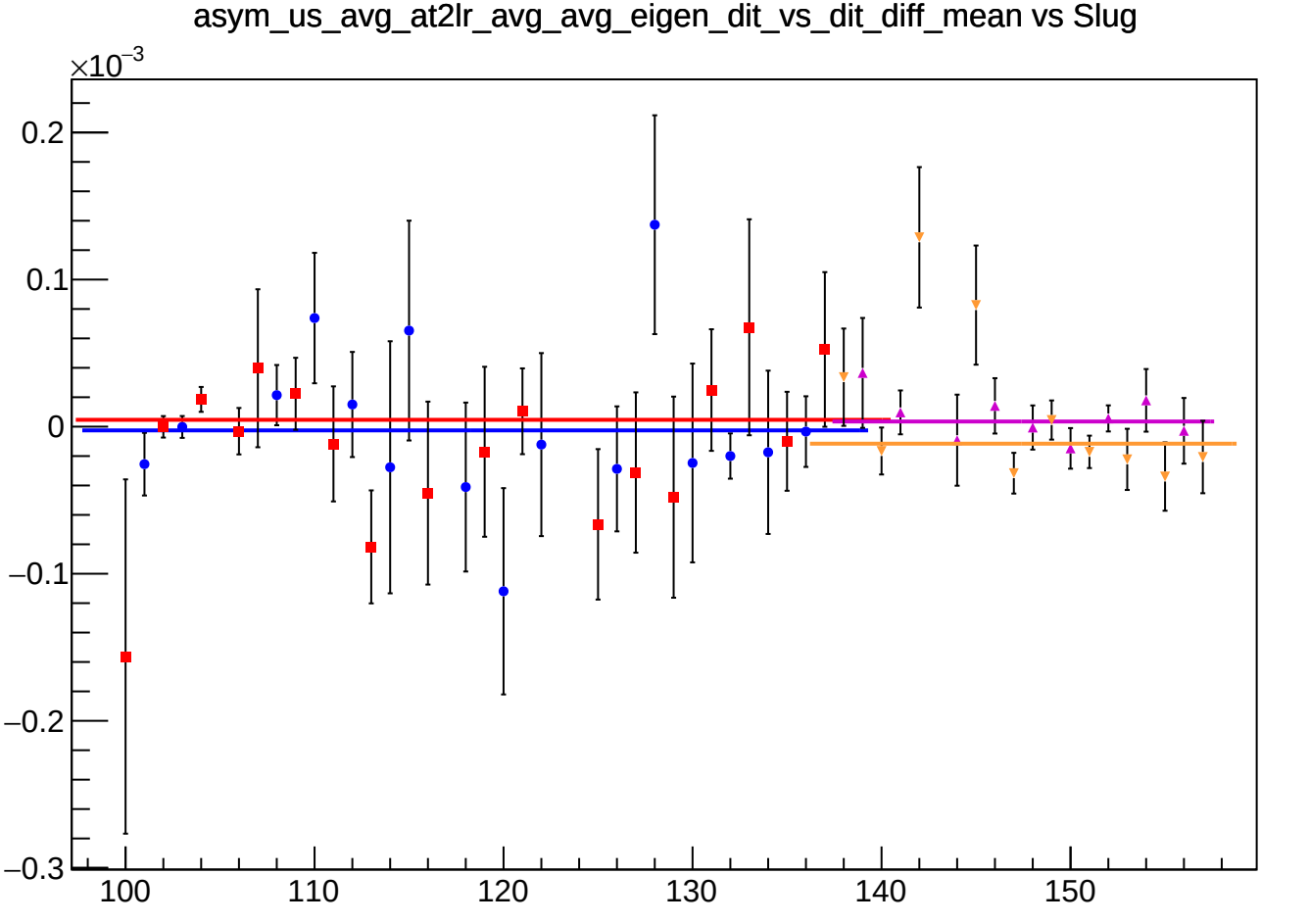
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 663.779+/-0.172 χ^2/NDF:418753.7/8

+ sign 436.163+/-0.087 χ^2/NDF: 4094845.4/25

All: 426.758+/-0.061 χ^2/NDF: 8455008.0/52

- sign 417.845+/-0.085 χ^2/NDF: 4337467.9/26



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.2/9

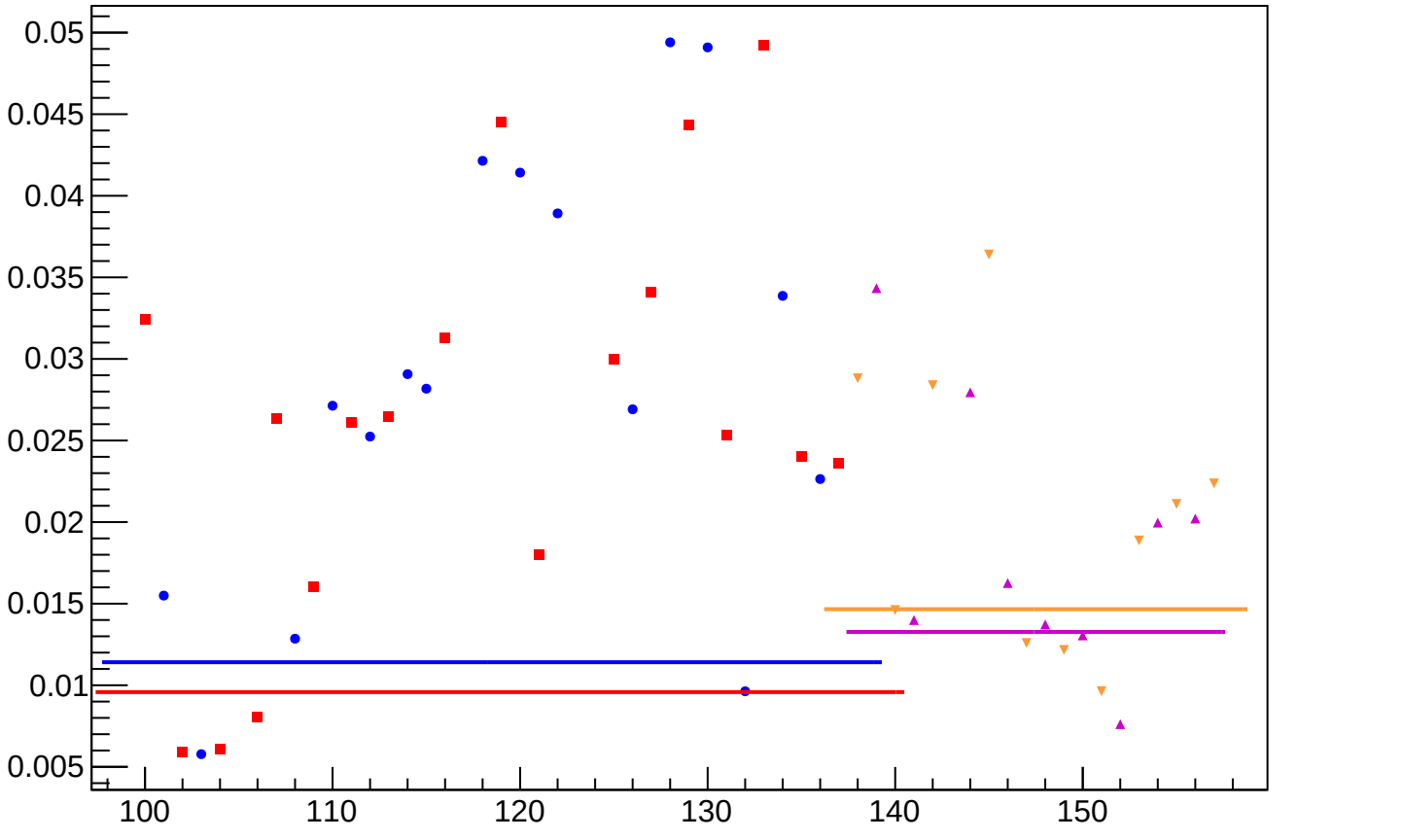
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/25

All: -0.000+/-0.000 χ^2/NDF: 62.8/52

- sign 0.000+/-0.000 χ^2/NDF: 21.0/26



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:2071358.1/9

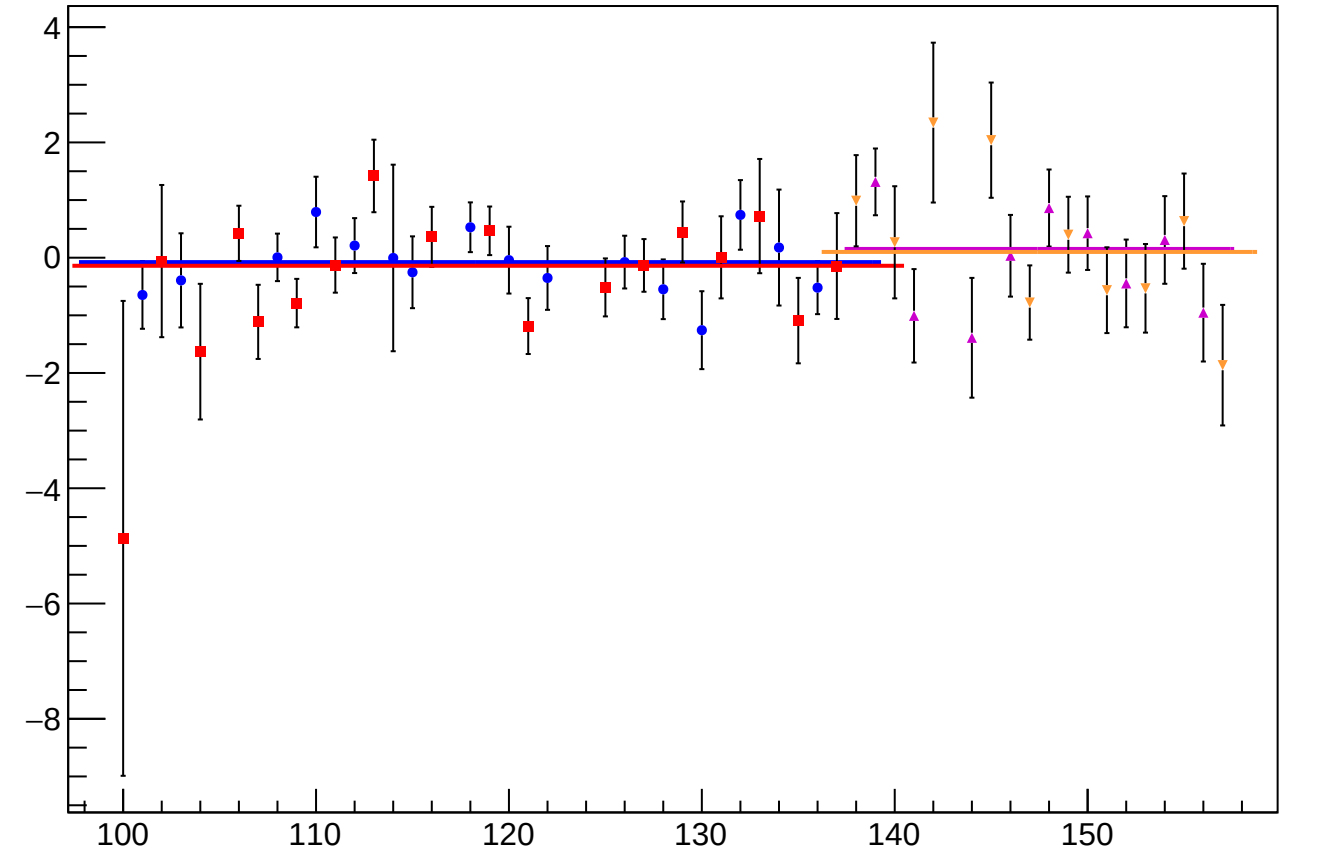
Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:2347105.7/8

+ sign 0.013+/-0.000 χ^2/NDF: 7905367.5/25

All: 0.012+/-0.000 χ^2/NDF: 16805237.1/52

- sign 0.011+/-0.000 χ^2/NDF: 8674859.4/26



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

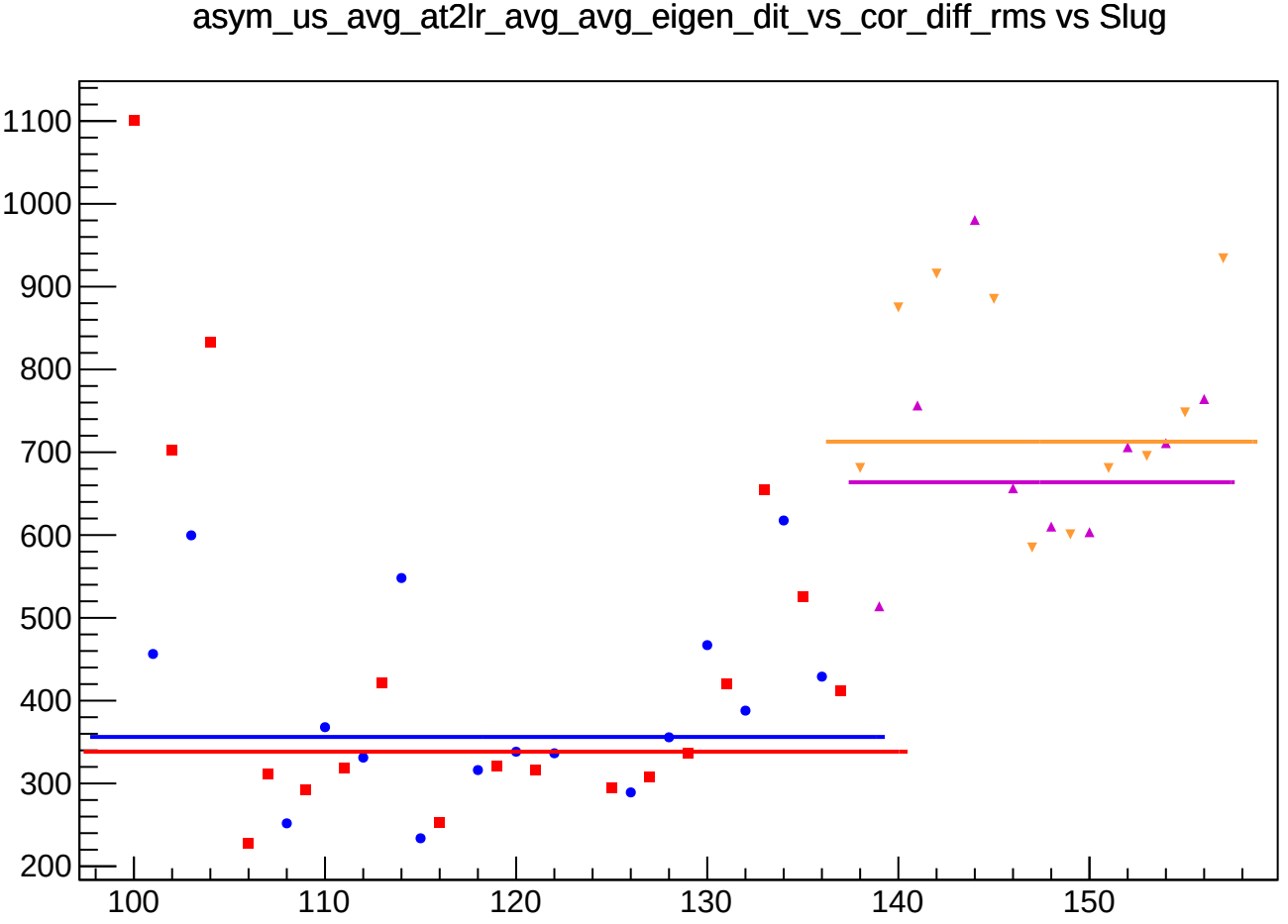
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.152+/-0.243 χ^2/NDF:12.0/8

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.053+/-0.086 χ^2/NDF: 68.1/52

- sign -0.069+/-0.120 χ^2/NDF: 40.1/26



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.794+/-0.184 χ^2/NDF:395586.4/9

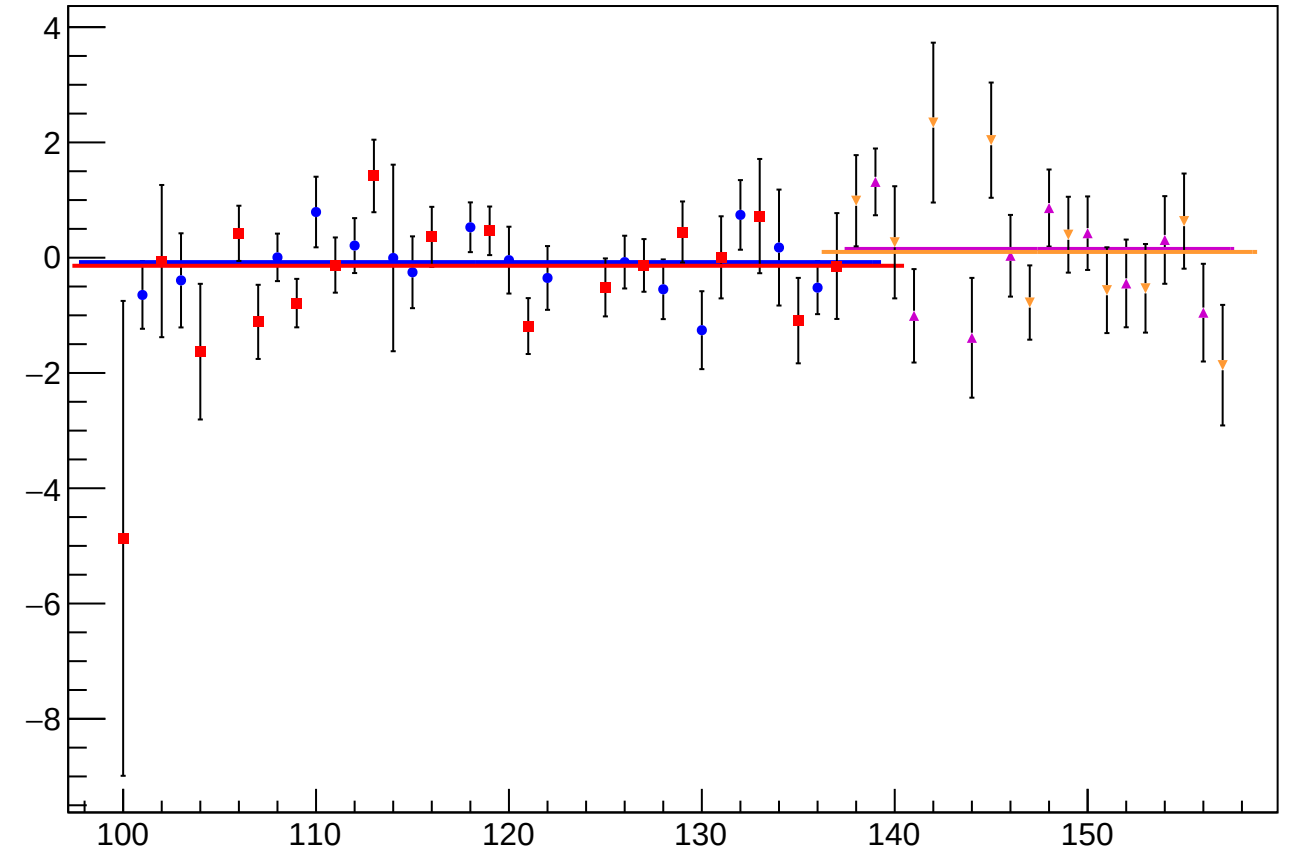
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 663.789+/-0.172 χ^2/NDF:418742.3/8

+ sign 436.162+/-0.087 χ^2/NDF: 4094937.3/25

All: 426.757+/-0.061 χ^2/NDF: 8455214.9/52

- sign 417.843+/-0.085 χ^2/NDF: 4337581.8/26



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: 0.100+/-0.260 χ^2/NDF:15.2/9

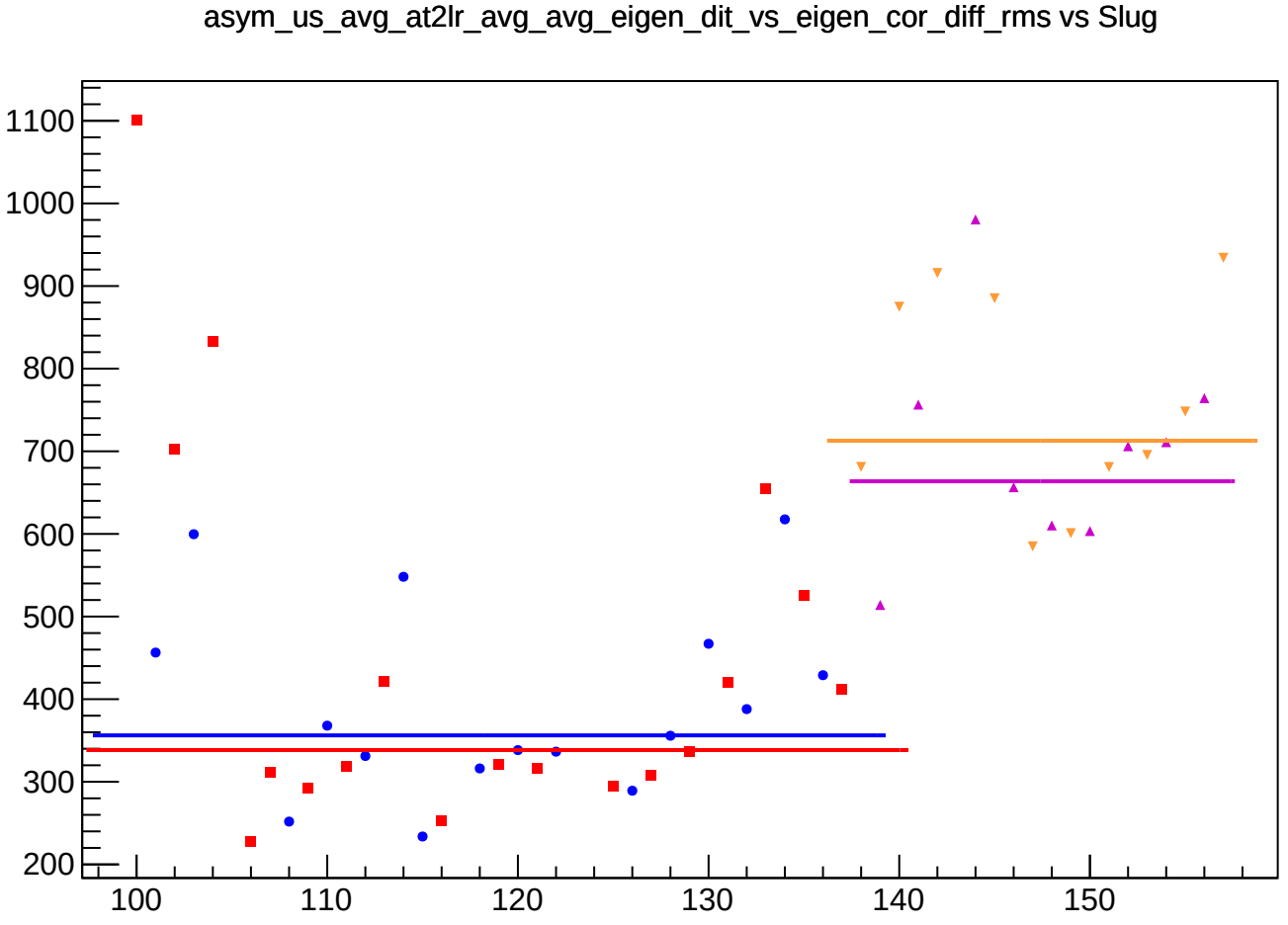
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.152+/-0.243 χ^2/NDF:12.0/8

+ sign -0.037+/-0.123 χ^2/NDF: 28.0/25

All: -0.053+/-0.086 χ^2/NDF: 68.1/52

- sign -0.069+/-0.120 χ^2/NDF: 40.1/26



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 712.794+/-0.184 χ^2/NDF:395586.4/9

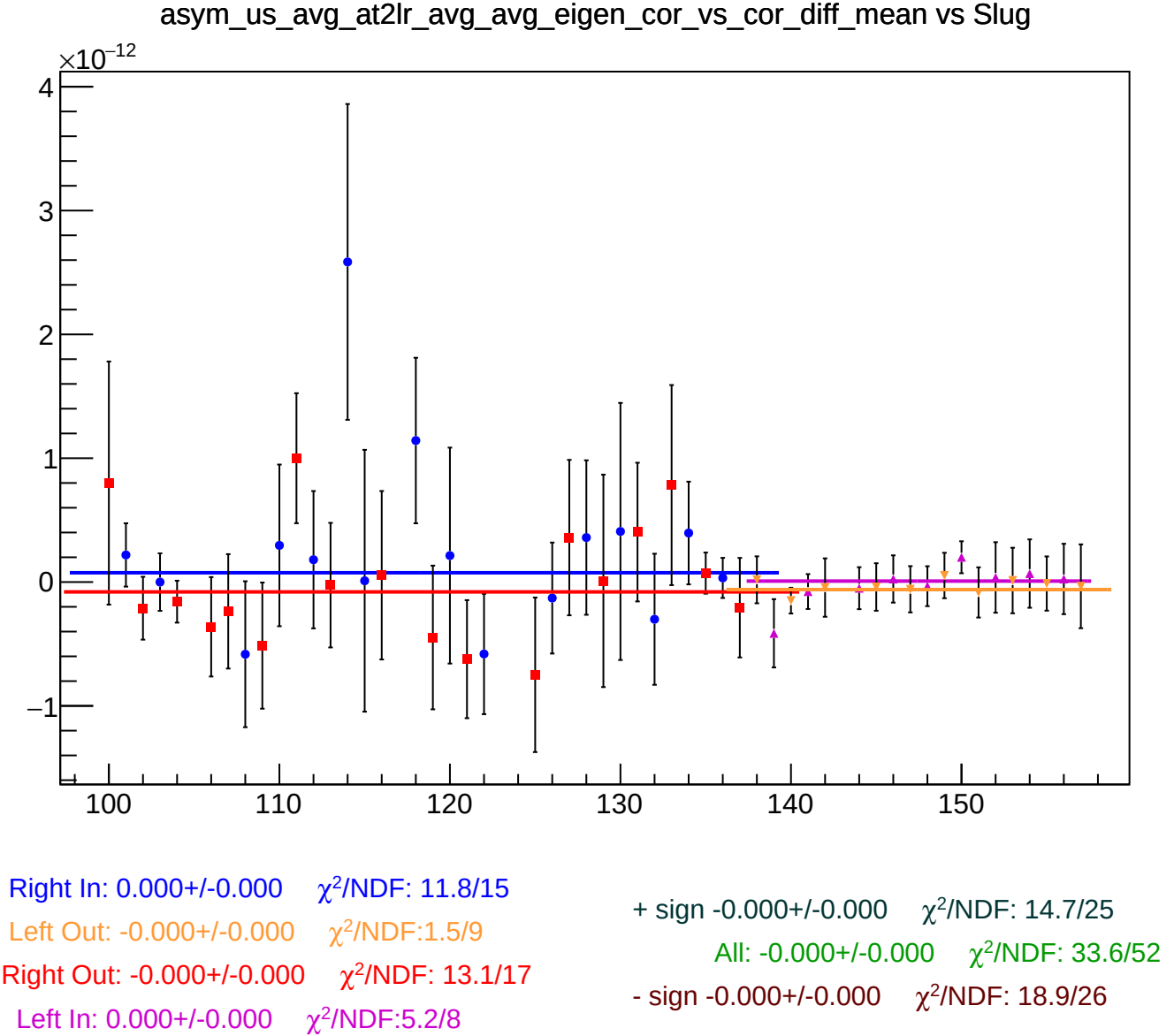
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

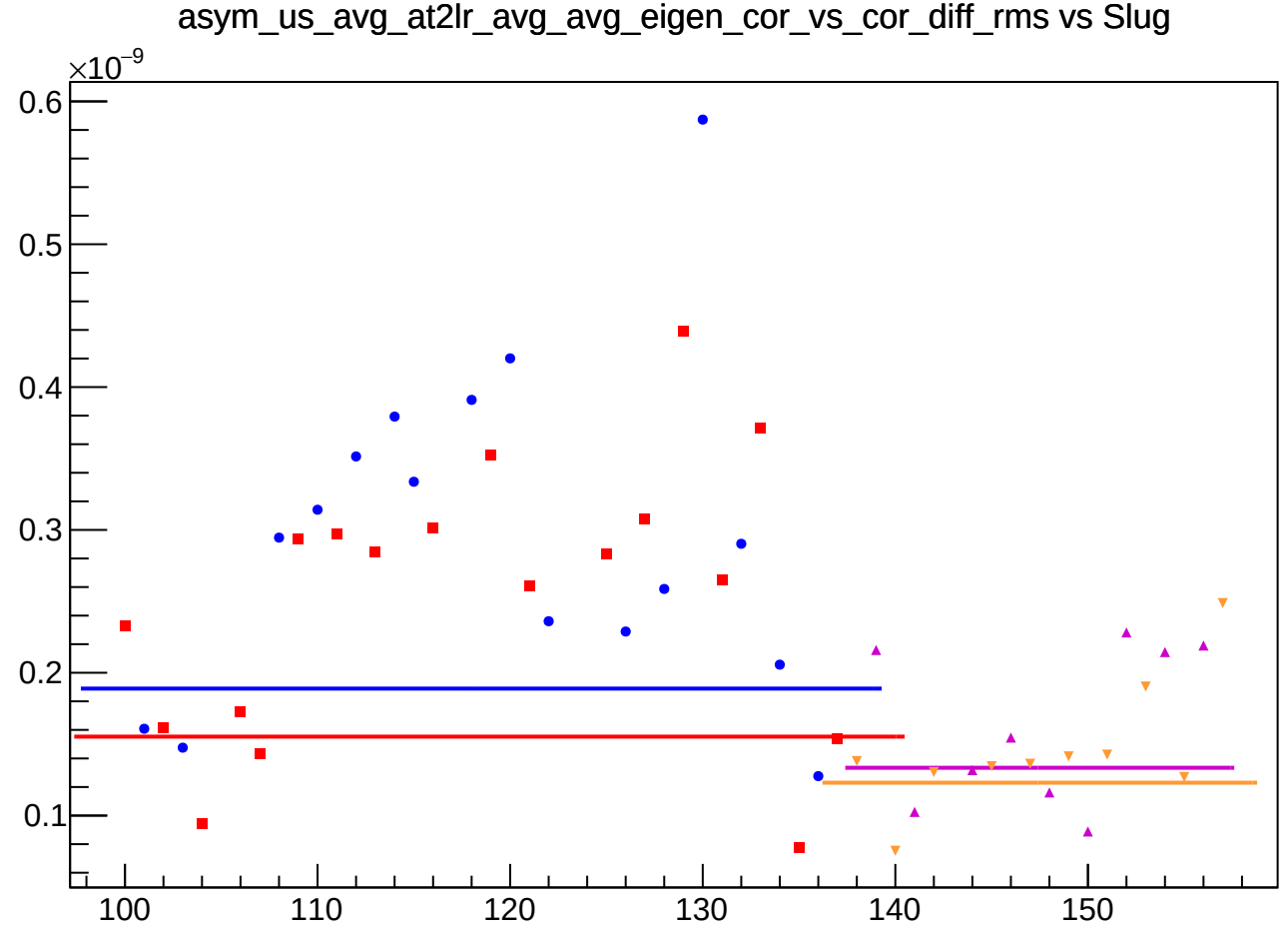
Left In: 663.789+/-0.172 χ^2/NDF:418742.3/8

+ sign 436.162+/-0.087 χ^2/NDF: 4094937.3/25

All: 426.757+/-0.061 χ^2/NDF: 8455214.9/52

- sign 417.843+/-0.085 χ^2/NDF: 4337581.8/26


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:5.2/8
+ sign -0.000+/-0.000 χ²/NDF: 14.7/25
All: -0.000+/-0.000 χ²/NDF: 33.6/52
- sign -0.000+/-0.000 χ²/NDF: 18.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898412.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

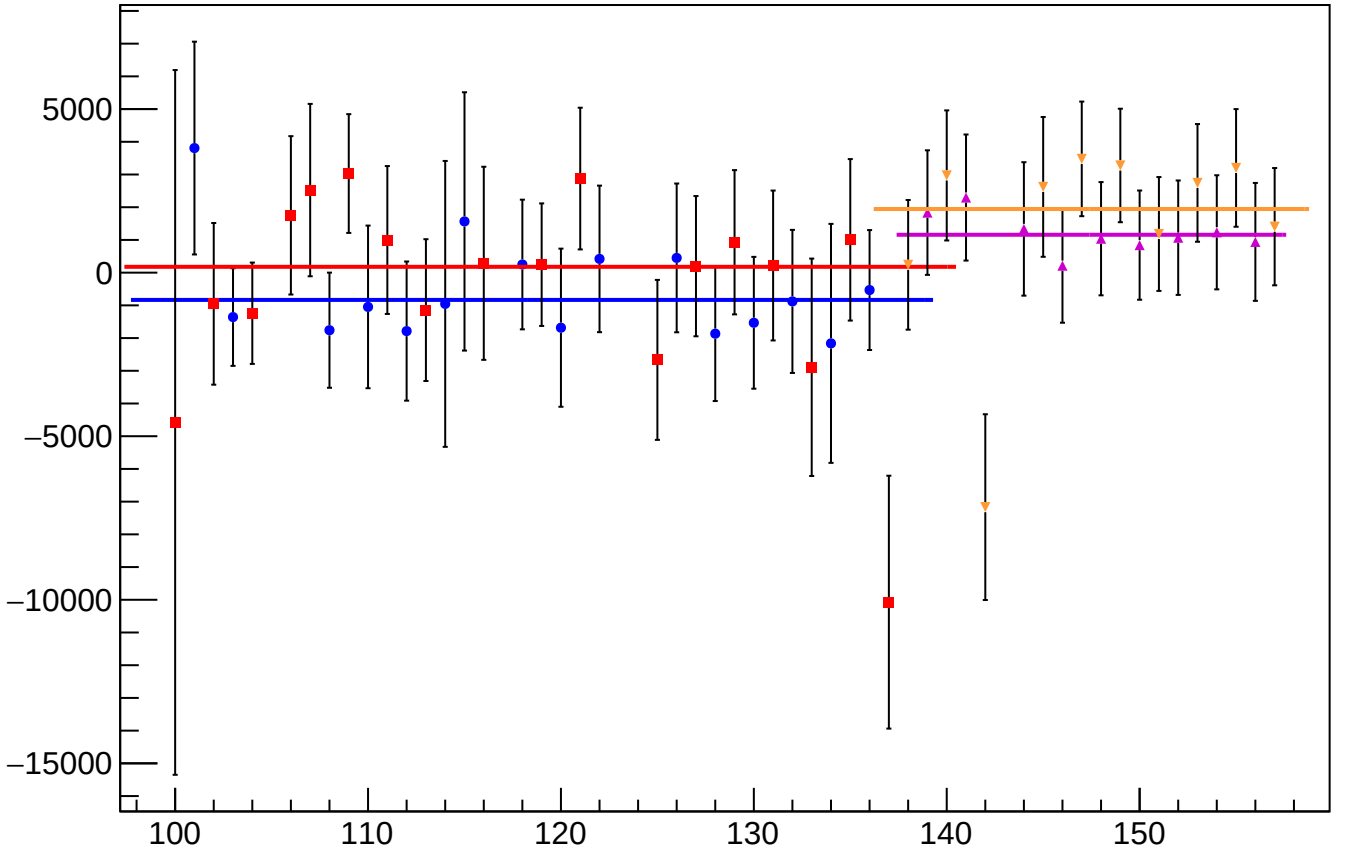
Left In: 0.000+/-0.000 χ^2/NDF:1136612.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3101833.9/25

All: 0.000+/-0.000 χ^2/NDF: 6524651.8/52

- sign 0.000+/-0.000 χ^2/NDF: 3422804.3/26

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.223+/-601.000 χ^2/NDF:13.7/9

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

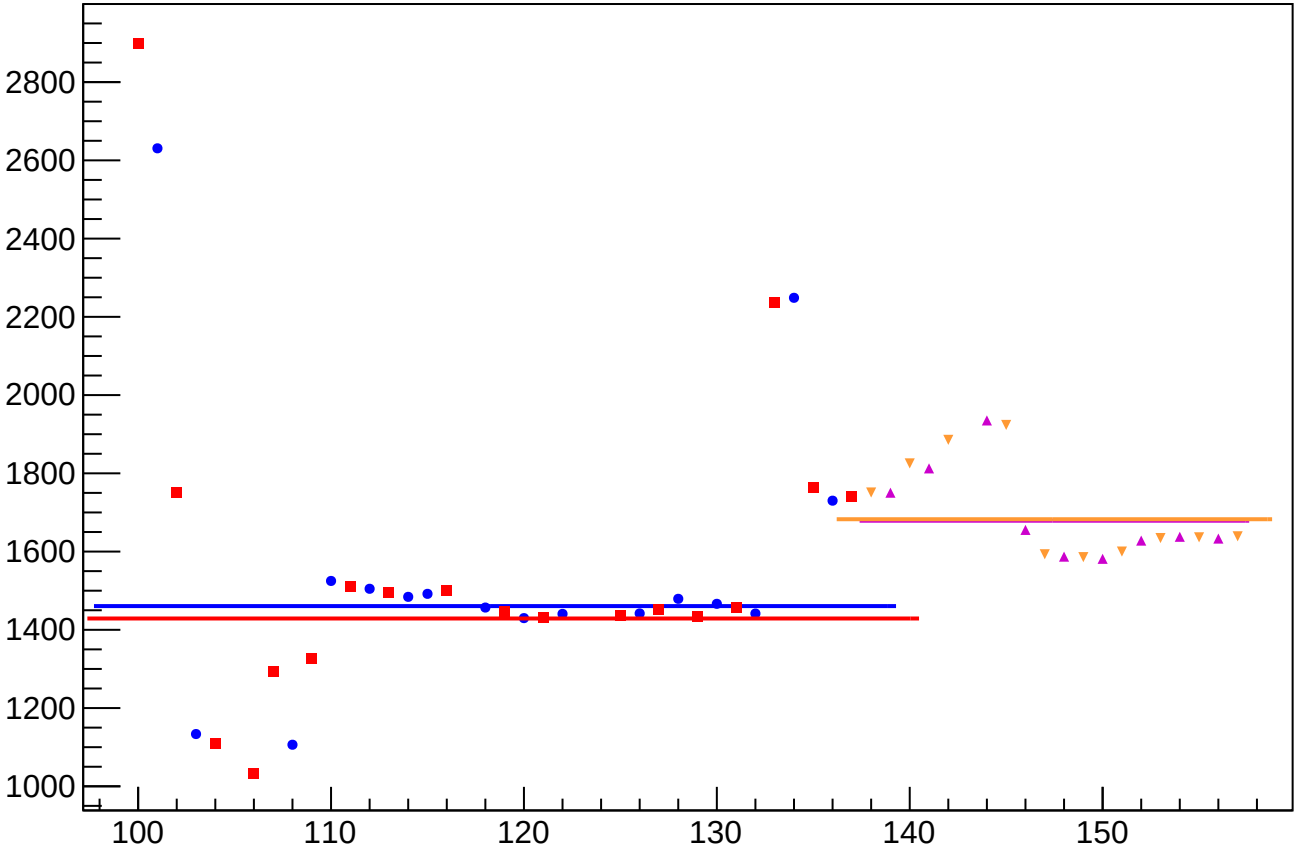
Left In: 1158.078+/-600.764 χ^2/NDF:0.8/8

+ sign 445.060+/-407.672 χ^2/NDF: 29.9/25

All: 534.721+/-287.245 χ^2/NDF: 48.7/52

- sign 623.121+/-404.795 χ^2/NDF: 18.7/26

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.8/9

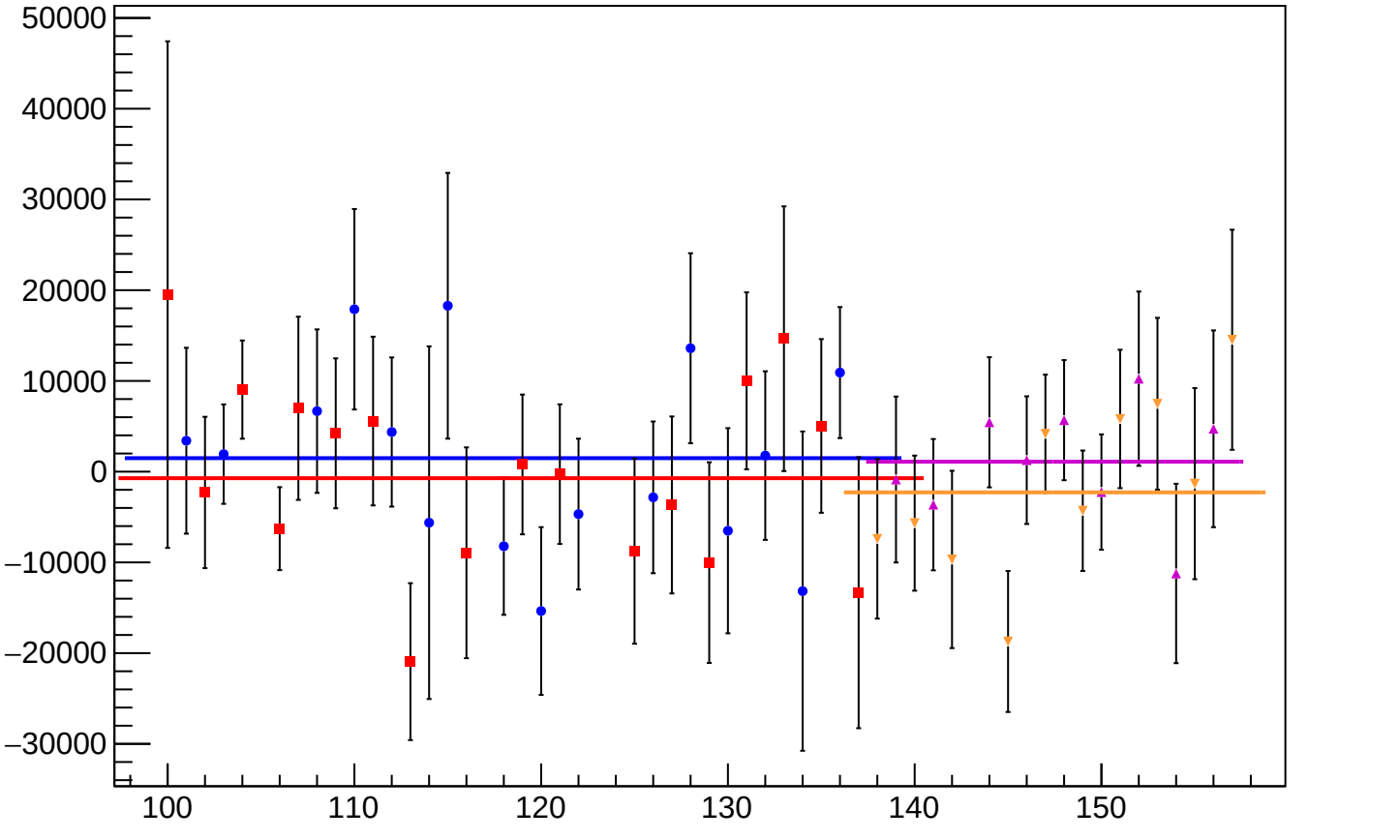
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1678.872+/-0.425 χ^2/NDF:60932.6/8

+ sign 1562.810+/-0.288 χ^2/NDF: 791352.7/25

All: 1552.033+/-0.203 χ^2/NDF: 1456592.5/52

- sign 1541.493+/-0.285 χ^2/NDF: 662475.4/26



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -2284.241+/-2595.406 χ^2/NDF:10.8/9

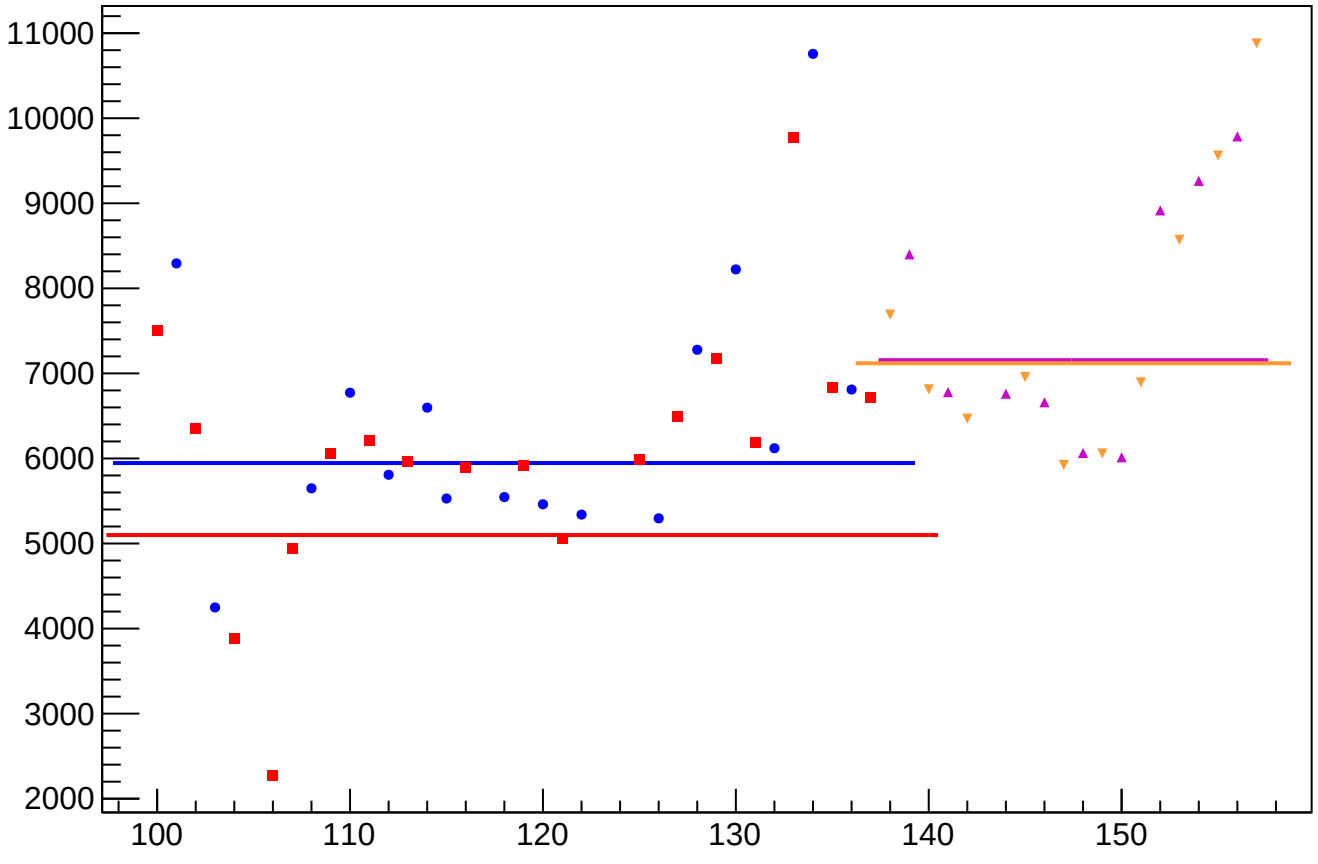
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1093.564+/-2600.578 χ^2/NDF:4.2/8

+ sign -145.659+/-1707.828 χ^2/NDF: 26.2/25

All: -89.748+/-1164.165 χ^2/NDF: 48.2/52

- sign -41.217+/-1591.118 χ^2/NDF: 22.0/26



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7119.011+/-1.835 χ^2/NDF:488764.7/9

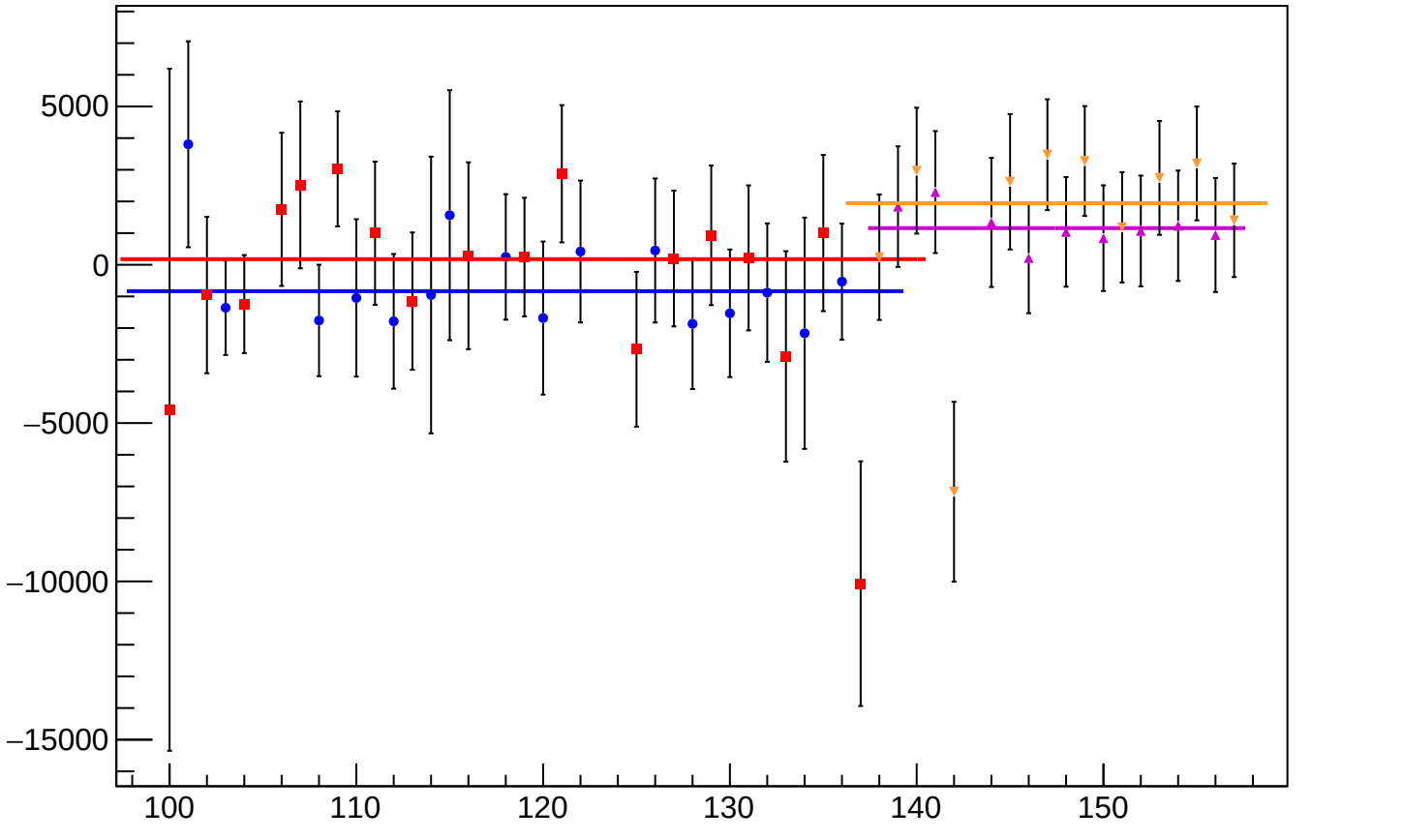
Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7155.228+/-1.839 χ^2/NDF:453276.0/8

+ sign 6453.947+/-1.208 χ^2/NDF: 1361505.2/25

All: 6140.784+/-0.823 χ^2/NDF: 4202781.1/52

- sign 5868.960+/-1.125 χ^2/NDF: 2715656.1/26



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.215+/-601.000 χ^2/NDF:13.7/9

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

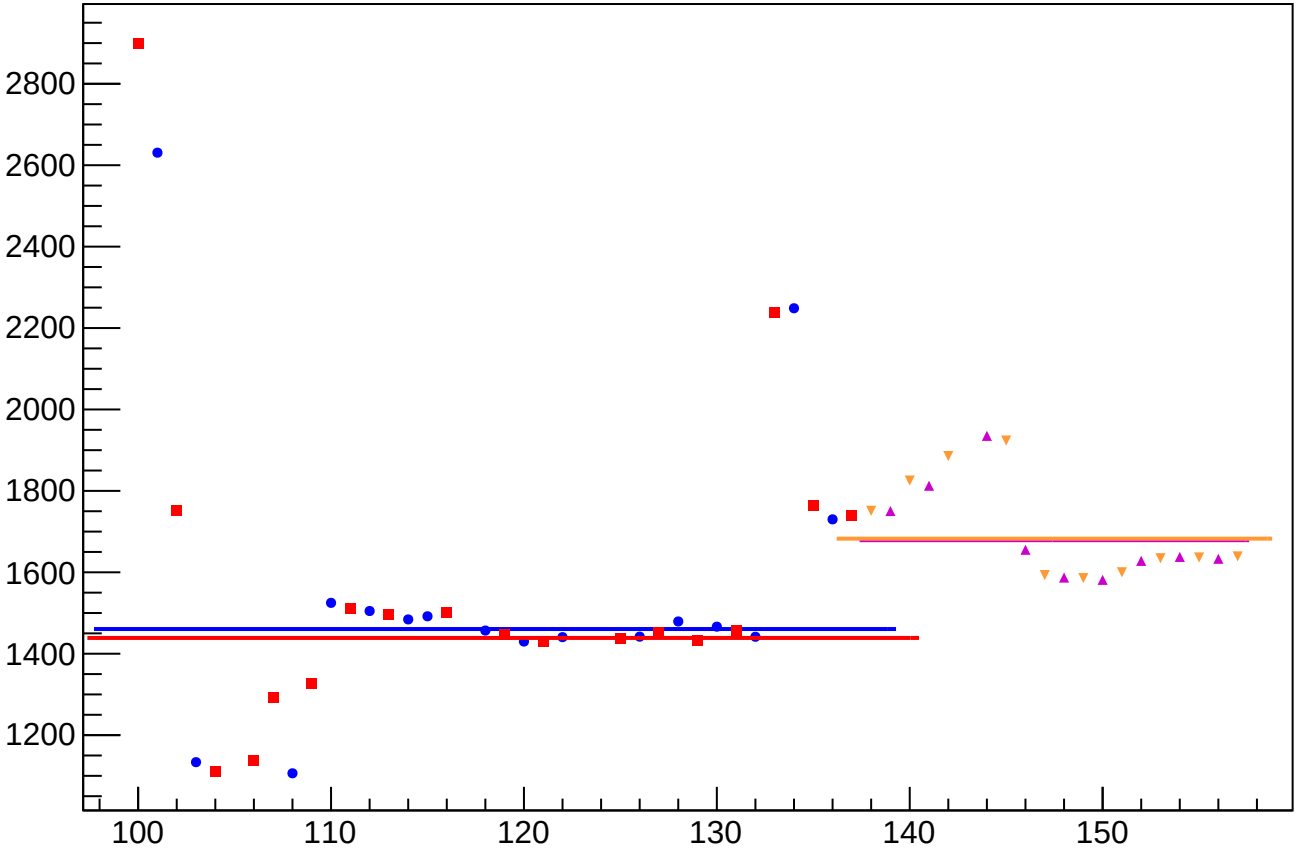
Left In: 1158.148+/-600.764 χ^2/NDF:0.8/8

\+ sign 445.022+/-407.672 χ^2/NDF: 29.9/25

All: 534.674+/-287.245 χ^2/NDF: 48.7/52

\- sign 623.065+/-404.795 χ^2/NDF: 18.7/26

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

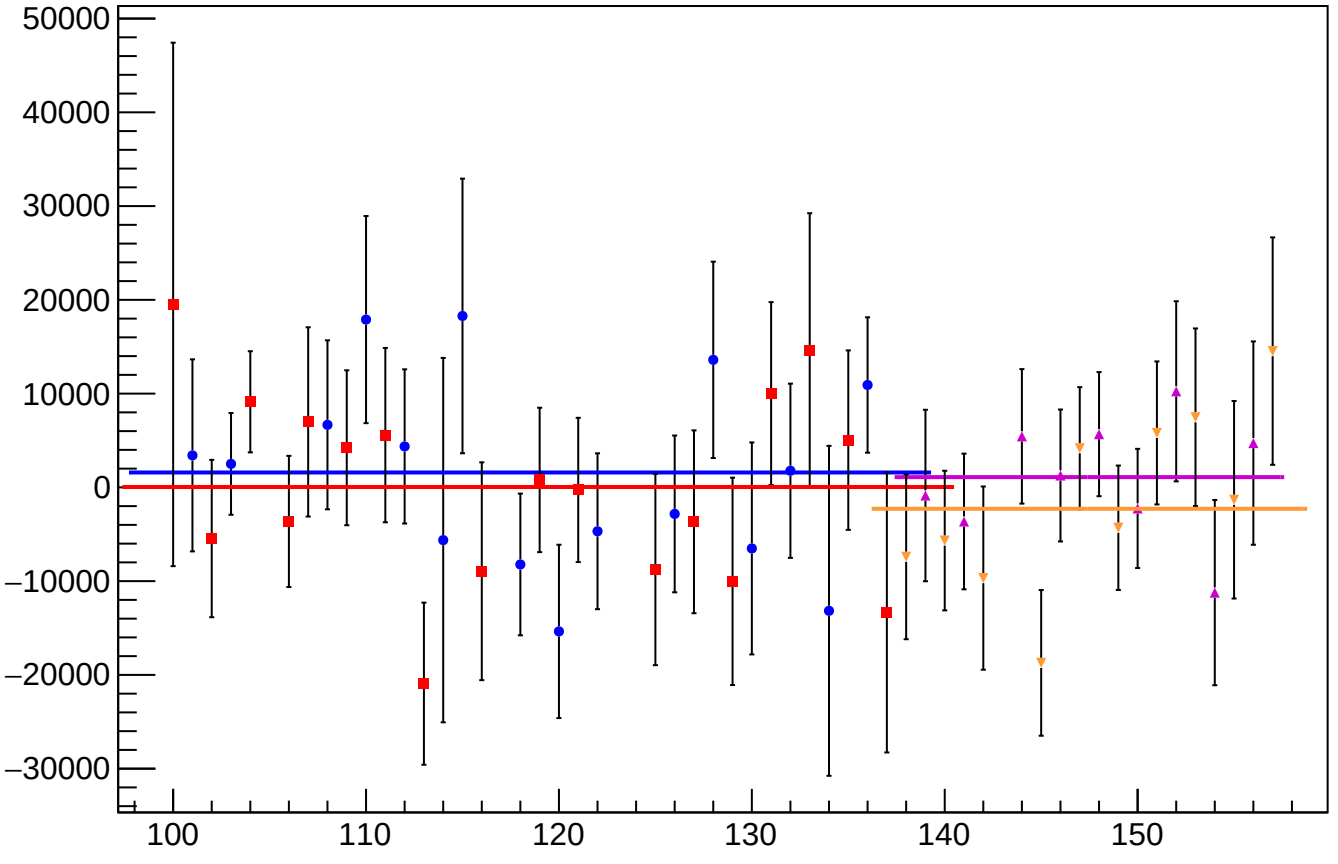
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1678.872+/-0.425 χ^2/NDF:60932.6/8

+ sign 1562.810+/-0.288 χ^2/NDF: 791353.1/25

All: 1555.092+/-0.203 χ^2/NDF: 1401876.6/52

- sign 1547.502+/-0.286 χ^2/NDF: 609101.9/26



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

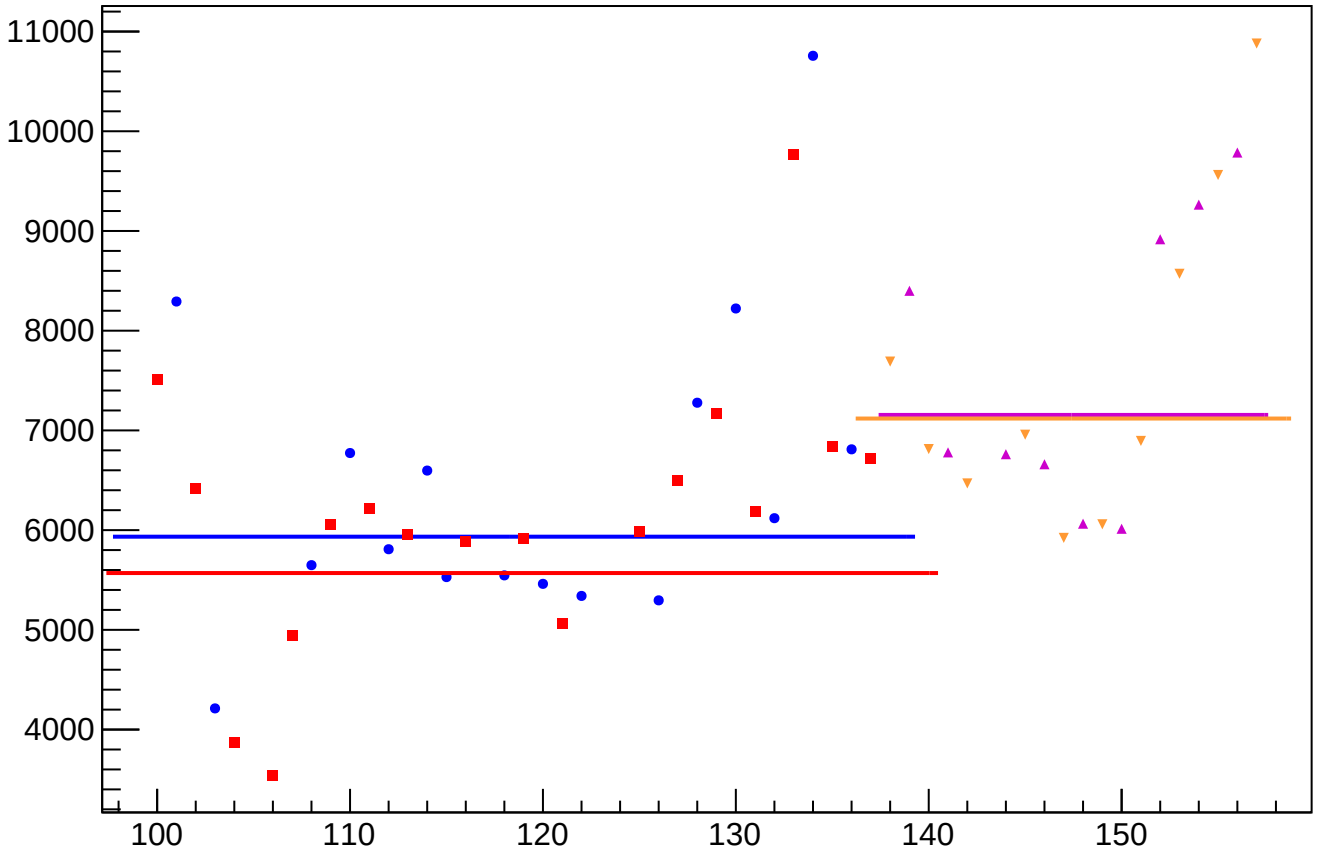
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1093.651+/-2600.576 χ^2/NDF:4.2/8

+ sign -85.127+/-1706.217 χ^2/NDF: 26.3/25

All: 198.835+/-1185.818 χ^2/NDF: 47.0/52

- sign 464.147+/-1649.234 χ^2/NDF: 20.7/26



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

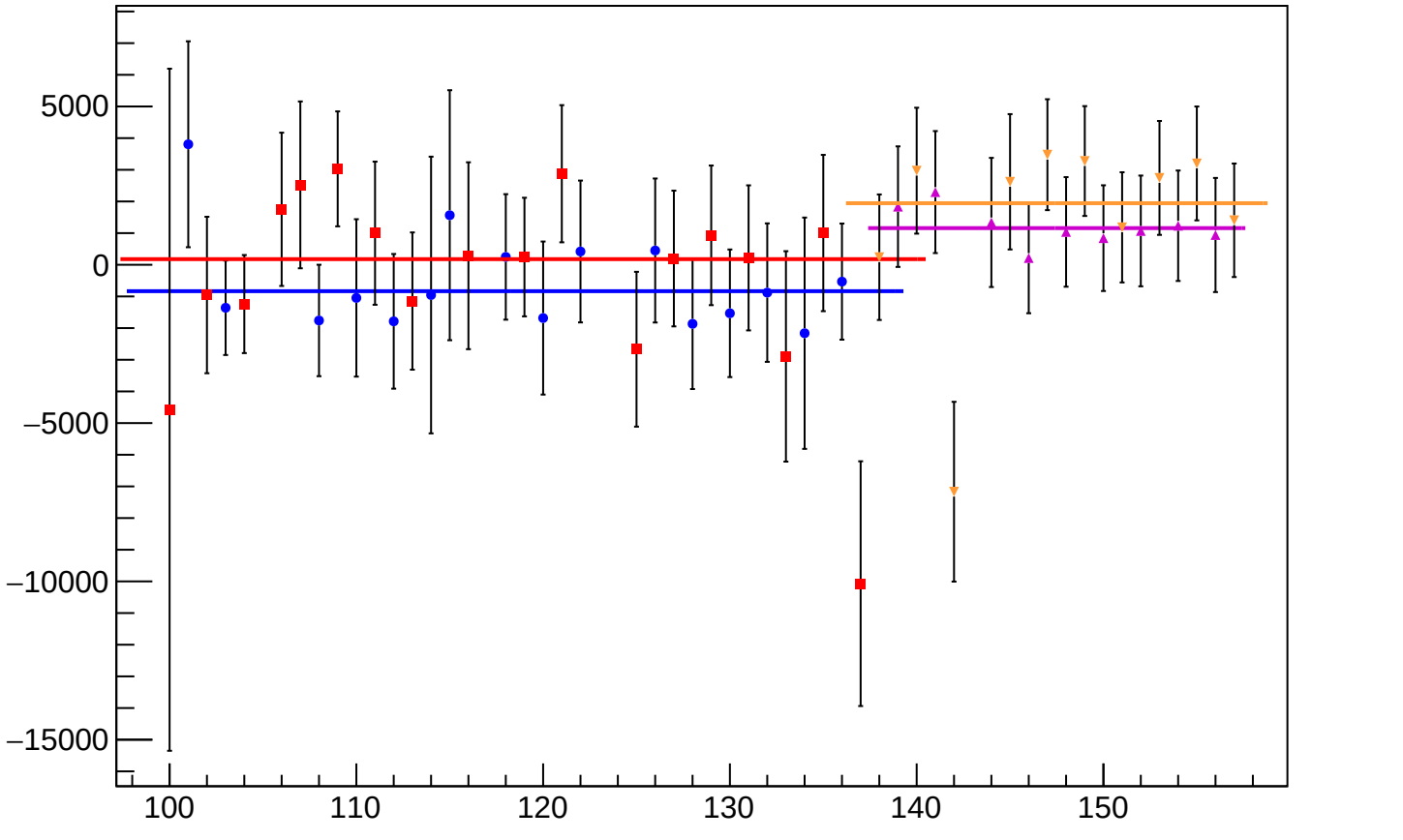
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7155.223+/-1.839 χ^2/NDF:453278.1/8

+ sign 6446.247+/-1.206 χ^2/NDF: 1378505.7/25

All: 6322.725+/-0.838 χ^2/NDF: 3020590.4/52

- sign 6207.317+/-1.166 χ^2/NDF: 1621809.1/26



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1945.215+/-601.000 χ^2/NDF:13.7/9

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

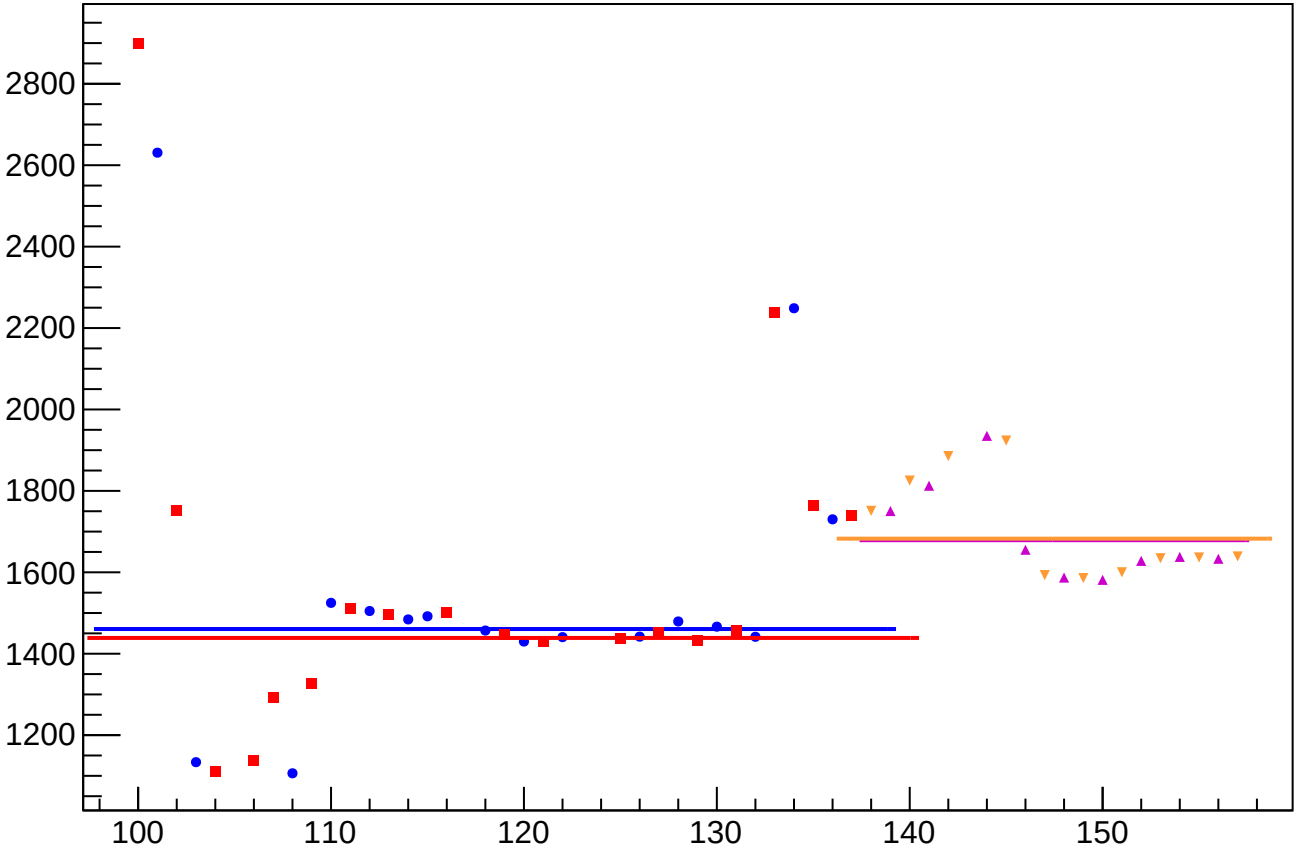
Left In: 1158.148+/-600.764 χ^2/NDF:0.8/8

\+ sign 445.022+/-407.672 χ^2/NDF: 29.9/25

All: 534.674+/-287.245 χ^2/NDF: 48.7/52

\- sign 623.065+/-404.795 χ^2/NDF: 18.7/26

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1682.674+/-0.425 χ^2/NDF:68261.7/9

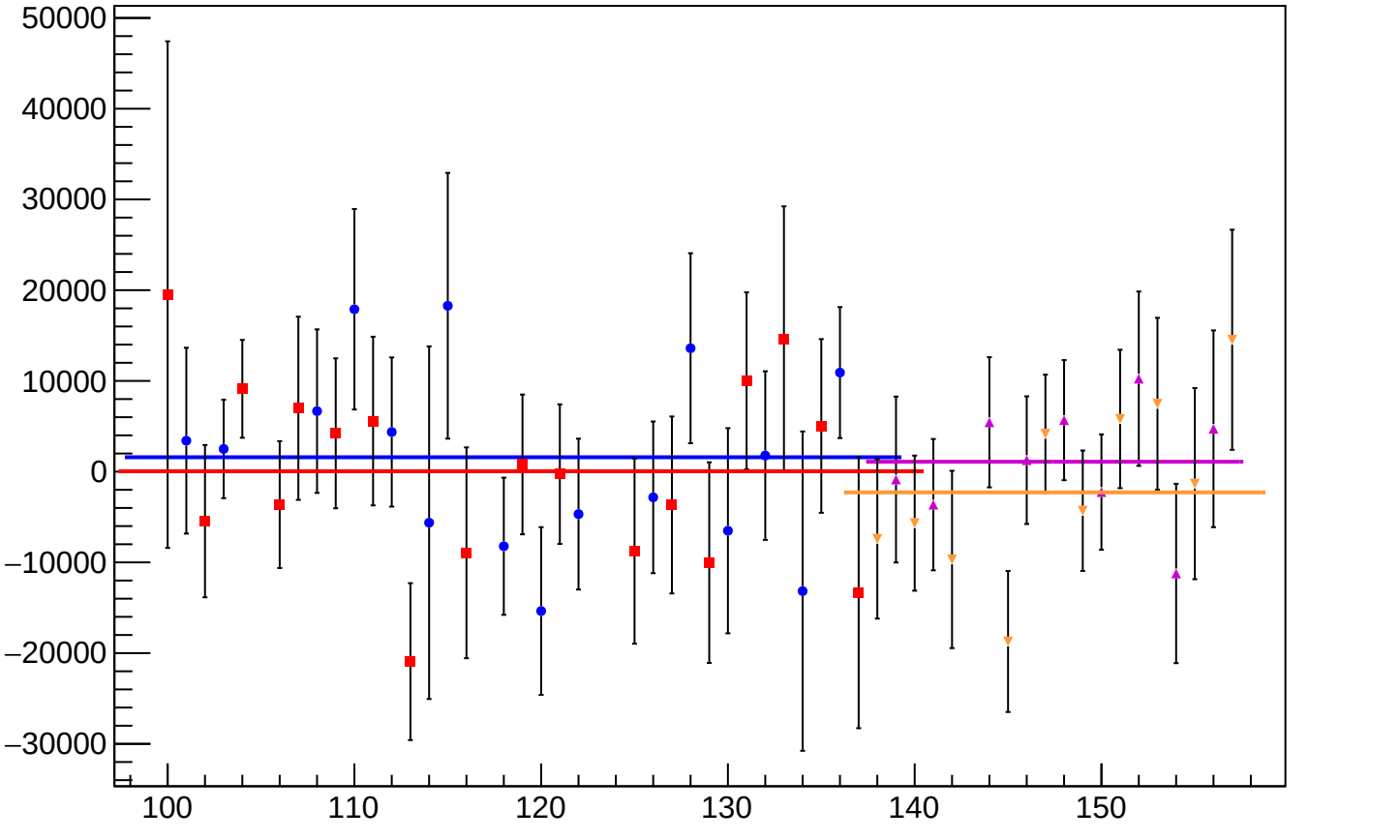
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1678.872+/-0.425 χ^2/NDF:60932.6/8

\+ sign 1562.810+/-0.288 χ^2/NDF: 791353.1/25

All: 1555.092+/-0.203 χ^2/NDF: 1401876.6/52

\- sign 1547.502+/-0.286 χ^2/NDF: 609101.9/26



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -2284.285+/-2595.404 χ^2/NDF:10.8/9

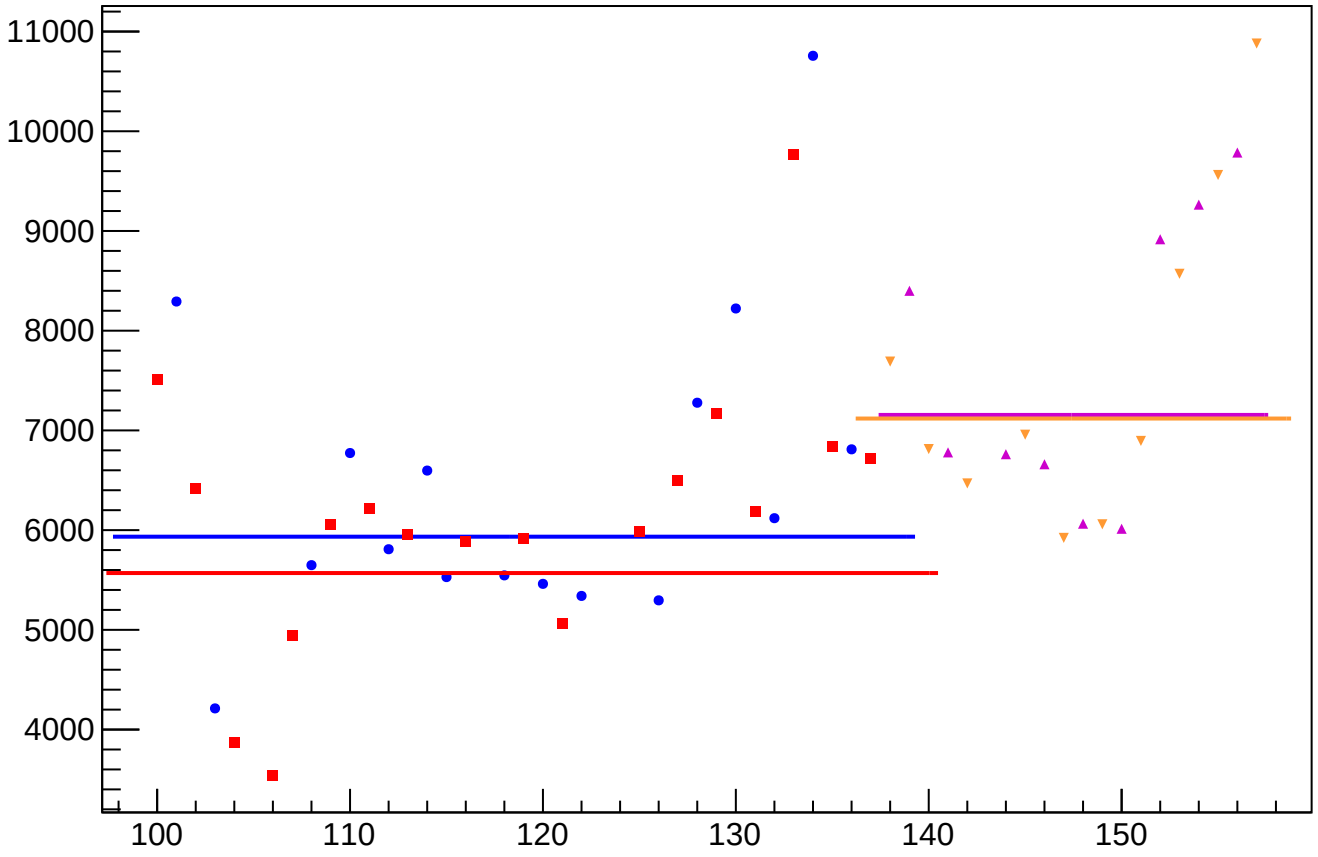
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1093.651+/-2600.576 χ^2/NDF:4.2/8

+ sign -85.127+/-1706.217 χ^2/NDF: 26.3/25

All: 198.835+/-1185.818 χ^2/NDF: 47.0/52

- sign 464.147+/-1649.234 χ^2/NDF: 20.7/26



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7119.006+/-1.835 χ^2/NDF:488763.7/9

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

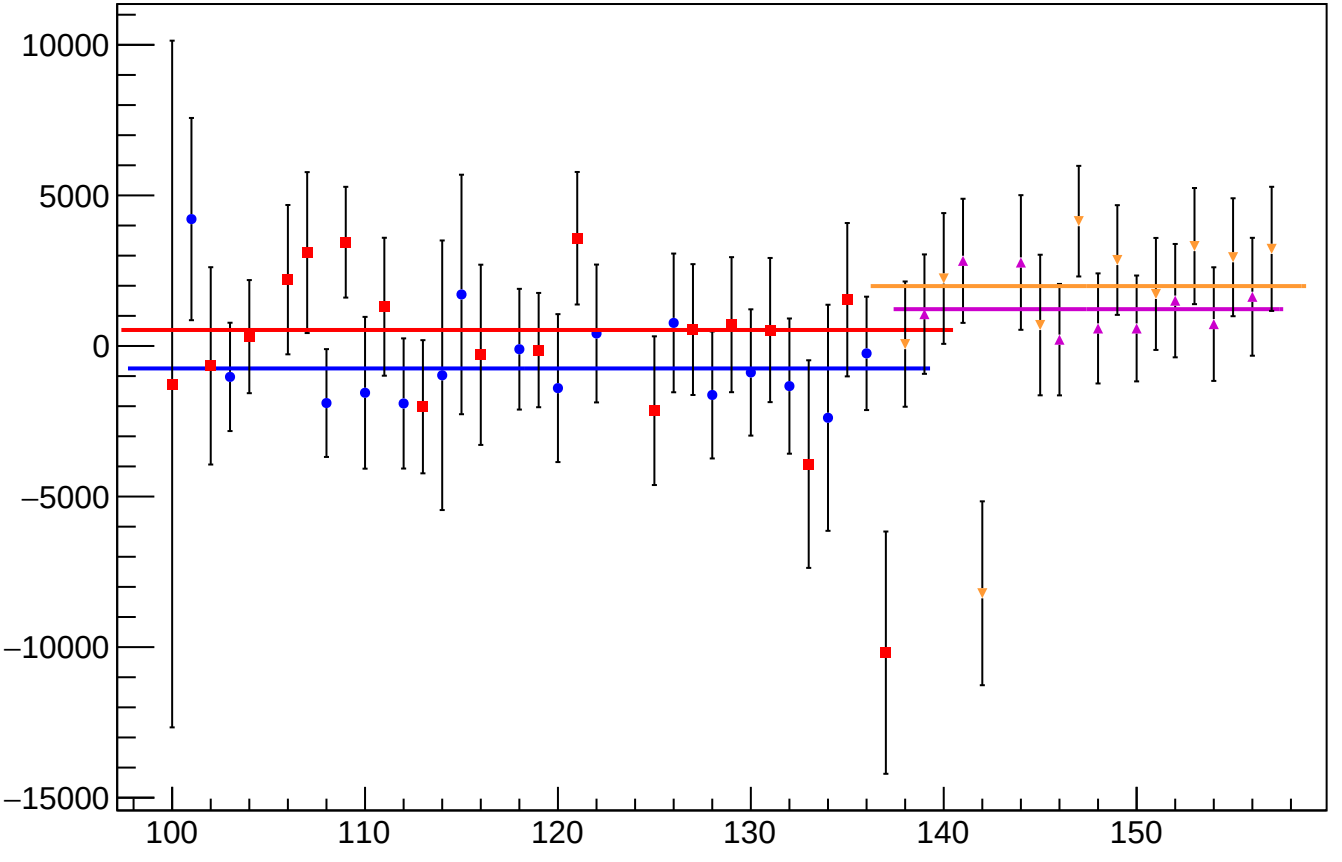
Left In: 7155.223+/-1.839 χ^2/NDF:453278.1/8

+ sign 6446.247+/-1.206 χ^2/NDF: 1378505.7/25

All: 6322.725+/-0.838 χ^2/NDF: 3020590.4/52

- sign 6207.317+/-1.166 χ^2/NDF: 1621809.1/26

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1988.699+/-647.335 χ^2/NDF:15.0/9

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

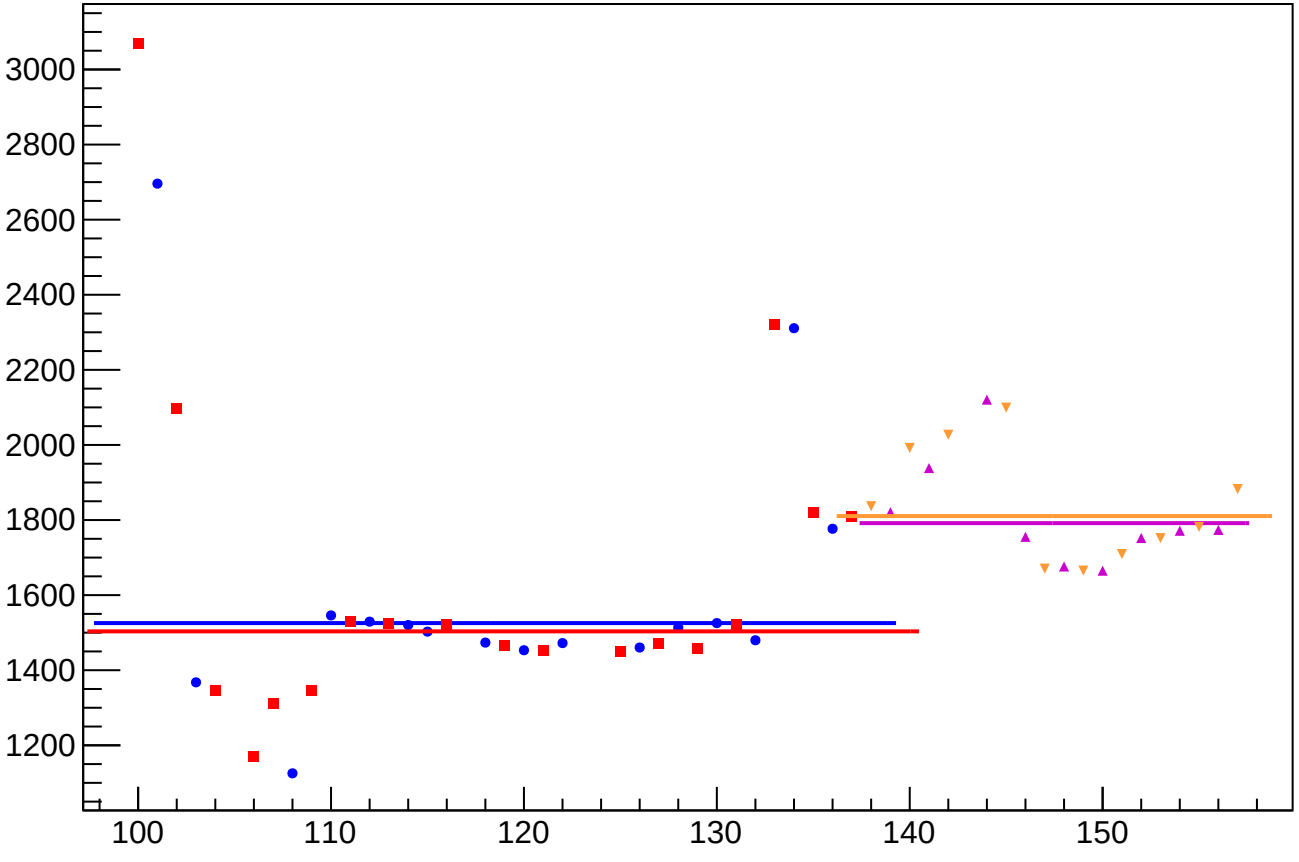
Left In: 1222.470+/-641.595 χ^2/NDF:1.8/8

+ sign 467.315+/-431.174 χ^2/NDF: 29.7/25

All: 654.537+/-303.847 χ^2/NDF: 50.3/52

- sign 839.228+/-428.249 χ^2/NDF: 20.2/26

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1810.500+/-0.458 χ^2/NDF:89944.1/9

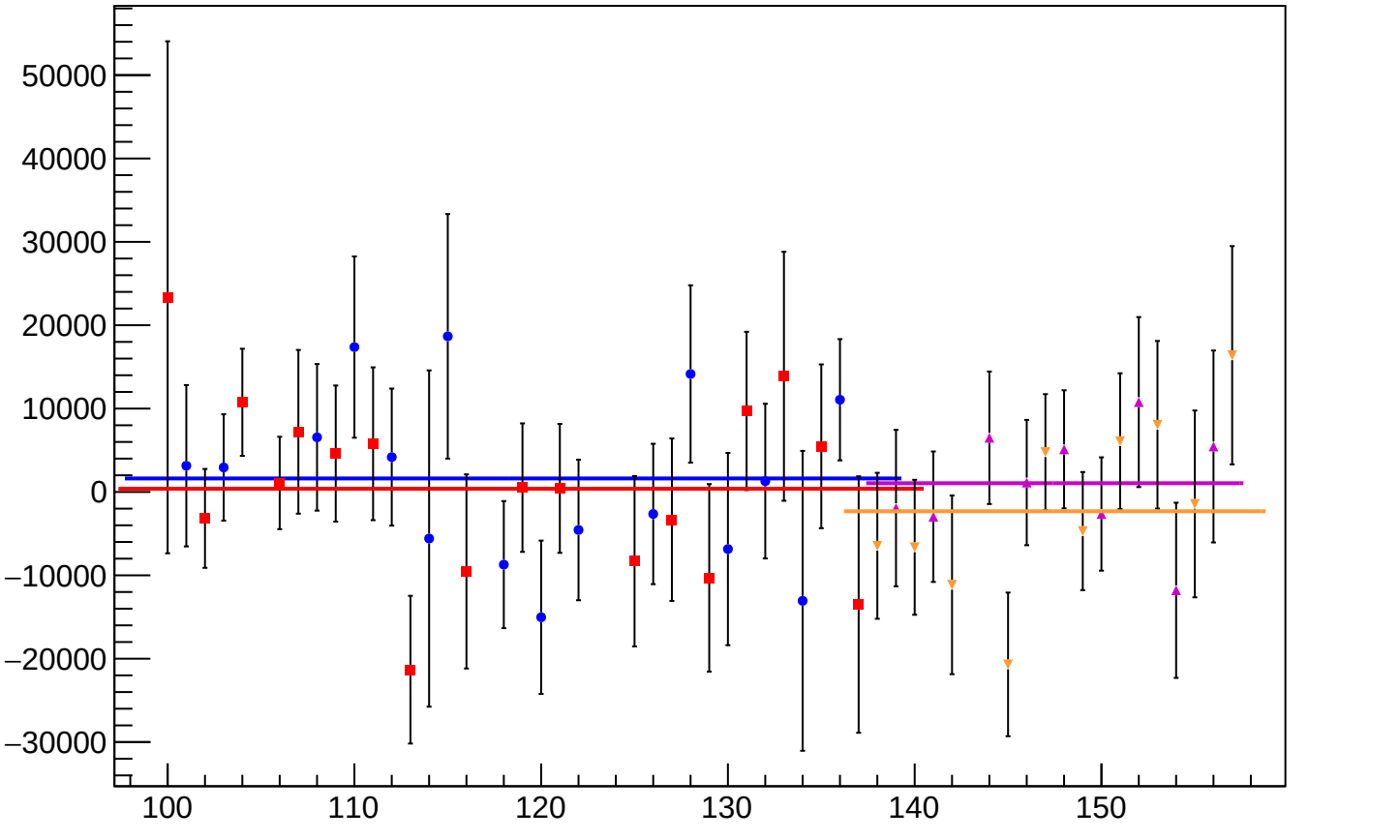
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1791.763+/-0.454 χ^2/NDF:74291.4/8

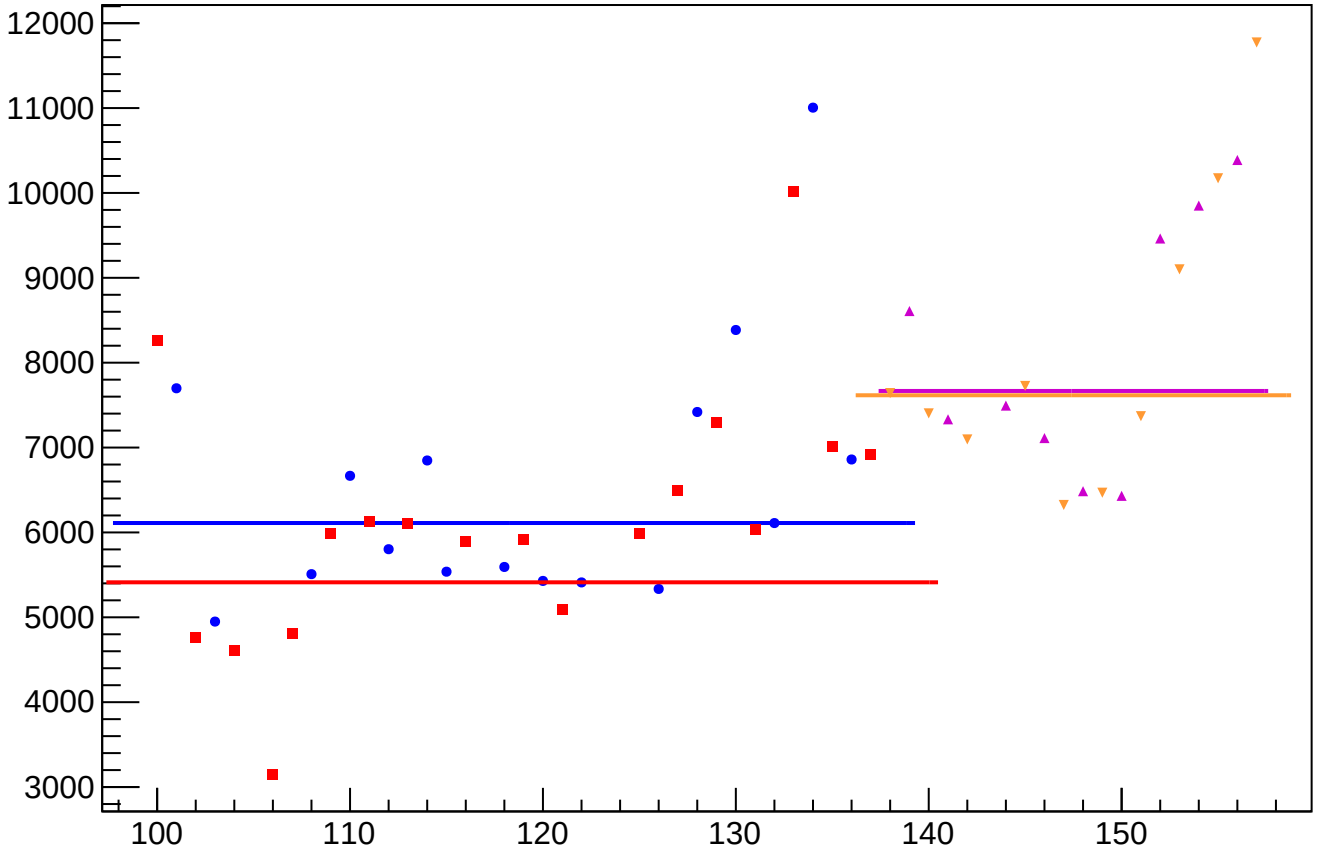
+ sign 1651.962+/-0.305 χ^2/NDF: 793895.2/25

All: 1641.836+/-0.215 χ^2/NDF: 1432900.6/52

- sign 1631.850+/-0.303 χ^2/NDF: 636814.4/26


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: -2313.461+/-2775.101 χ²/NDF:11.1/9
Right Out: 385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: 1049.455+/-2783.864 χ²/NDF:4.0/8
+ sign 1.838+/-1779.946 χ²/NDF: 26.5/25
All: 333.567+/-1212.571 χ²/NDF: 46.6/52
- sign 620.837+/-1656.382 χ²/NDF: 20.1/26

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7616.114+/-1.962 χ^2/NDF:479057.8/9

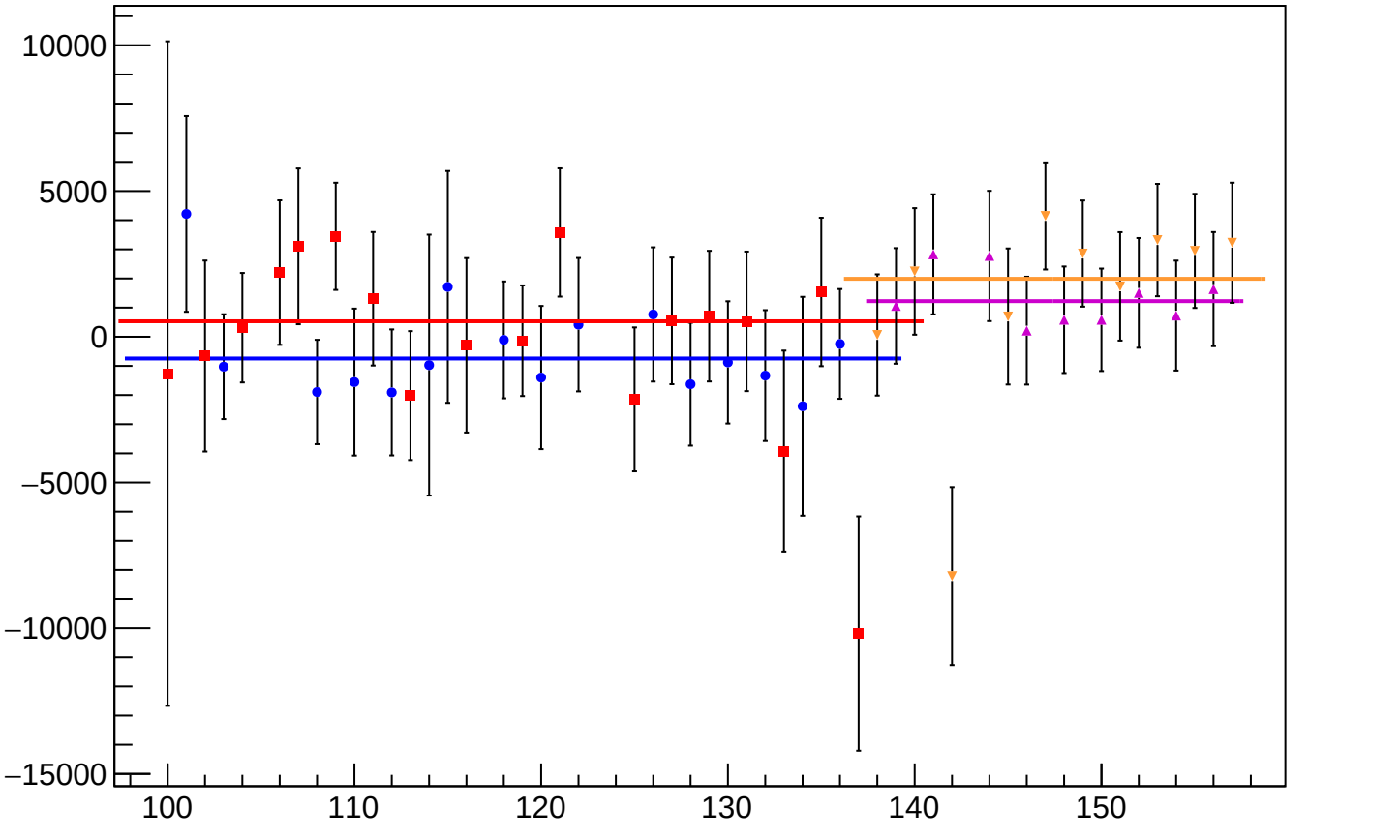
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7666.833+/-1.968 χ^2/NDF:417631.6/8

+ sign 6730.214+/-1.259 χ^2/NDF: 1296989.9/25

All: 6451.655+/-0.857 χ^2/NDF: 3474932.1/52

- sign 6210.429+/-1.171 χ^2/NDF: 2086540.0/26



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1988.697+/-647.336 χ^2/NDF:15.0/9

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

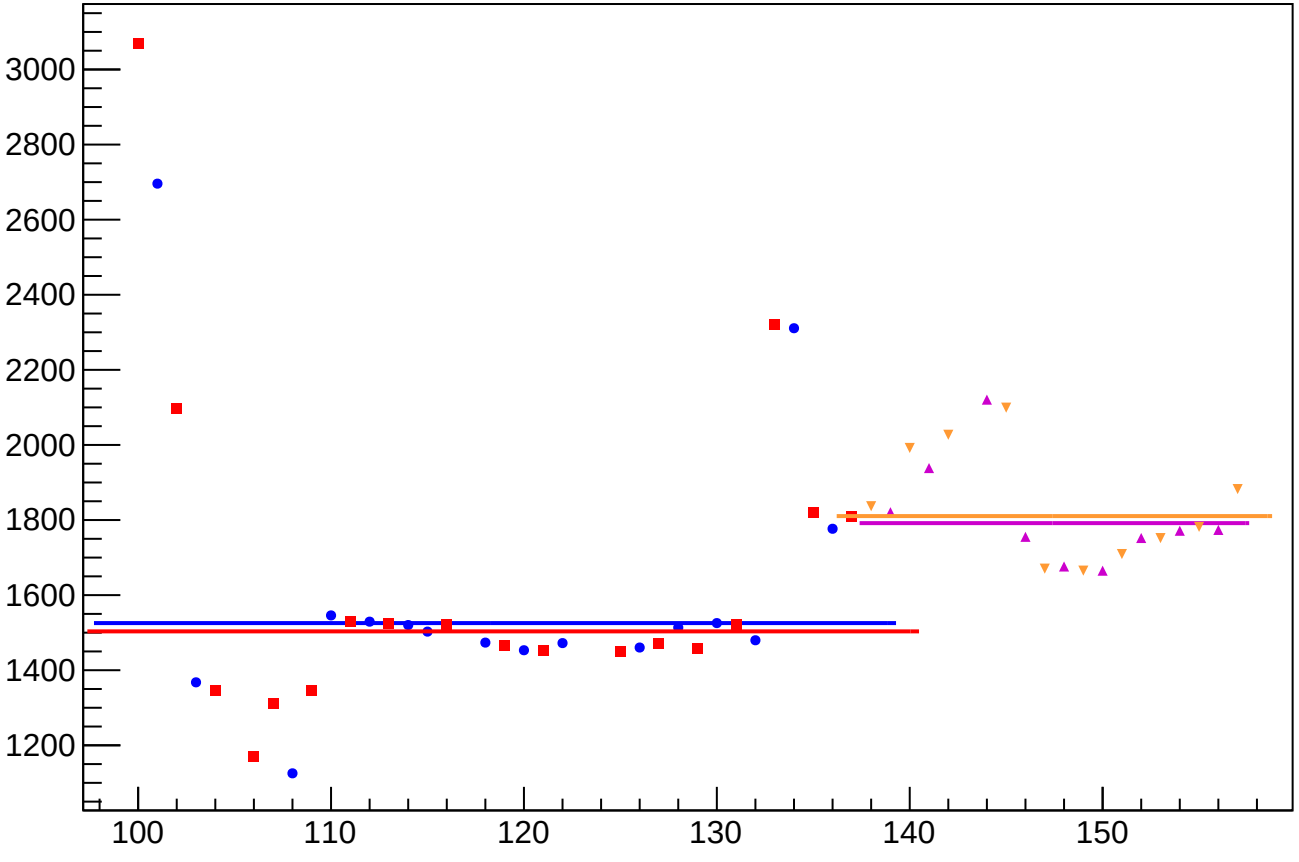
Left In: 1222.465+/-641.596 χ^2/NDF:1.8/8

\+ sign 467.310+/-431.174 χ^2/NDF: 29.7/25

All: 654.536+/-303.847 χ^2/NDF: 50.3/52

\- sign 839.231+/-428.249 χ^2/NDF: 20.2/26

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1810.502+/-0.458 χ^2/NDF:89945.2/9

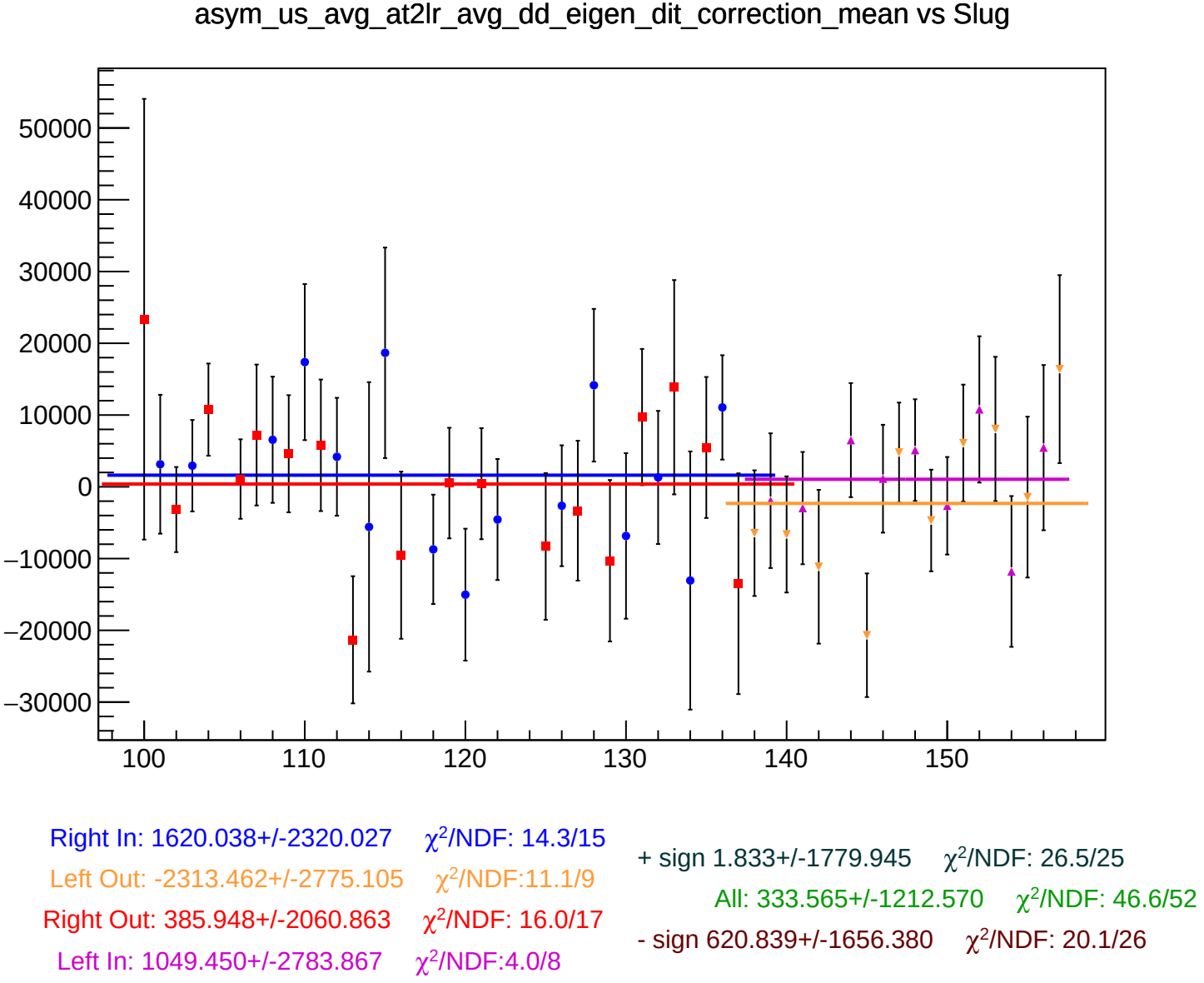
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

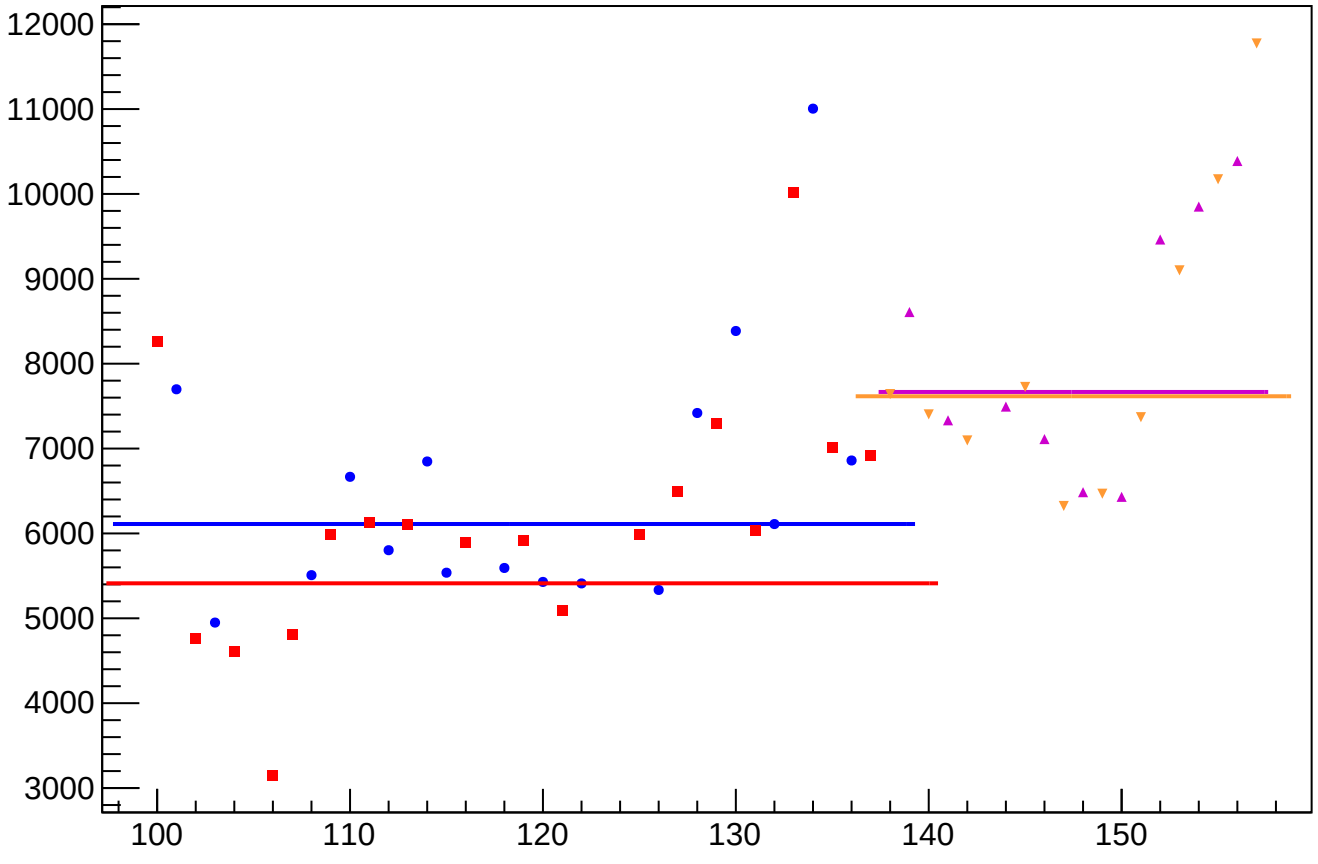
Left In: 1791.765+/-0.454 χ^2/NDF:74291.6/8

+ sign 1651.963+/-0.305 χ^2/NDF: 793899.0/25

All: 1641.837+/-0.215 χ^2/NDF: 1432907.8/52

- sign 1631.851+/-0.303 χ^2/NDF: 636817.9/26


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -2313.462+/-2775.105 χ²/NDF:11.1/9
Right Out: 385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: 1049.450+/-2783.867 χ²/NDF:4.0/8
+ sign 1.833+/-1779.945 χ²/NDF: 26.5/25
All: 333.565+/-1212.570 χ²/NDF: 46.6/52
- sign 620.839+/-1656.380 χ²/NDF: 20.1/26



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7616.123+/-1.962 χ^2/NDF:479058.1/9

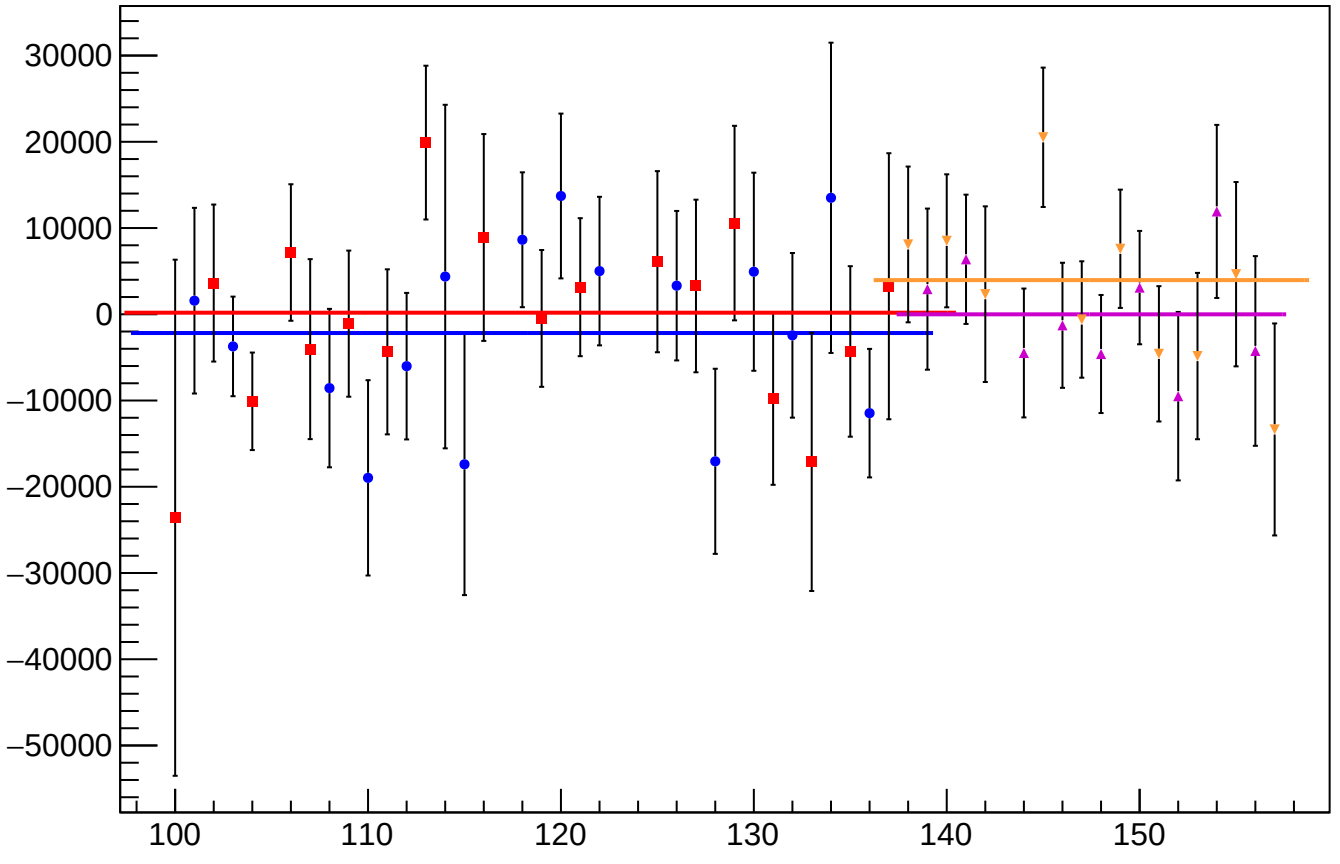
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7666.842+/-1.968 χ^2/NDF:417631.9/8

+ sign 6730.207+/-1.259 χ^2/NDF: 1297002.9/25

All: 6451.648+/-0.857 χ^2/NDF: 3474961.2/52

- sign 6210.421+/-1.171 χ^2/NDF: 2086555.7/26



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 3961.471+/-2676.317 χ^2/NDF:9.5/9

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

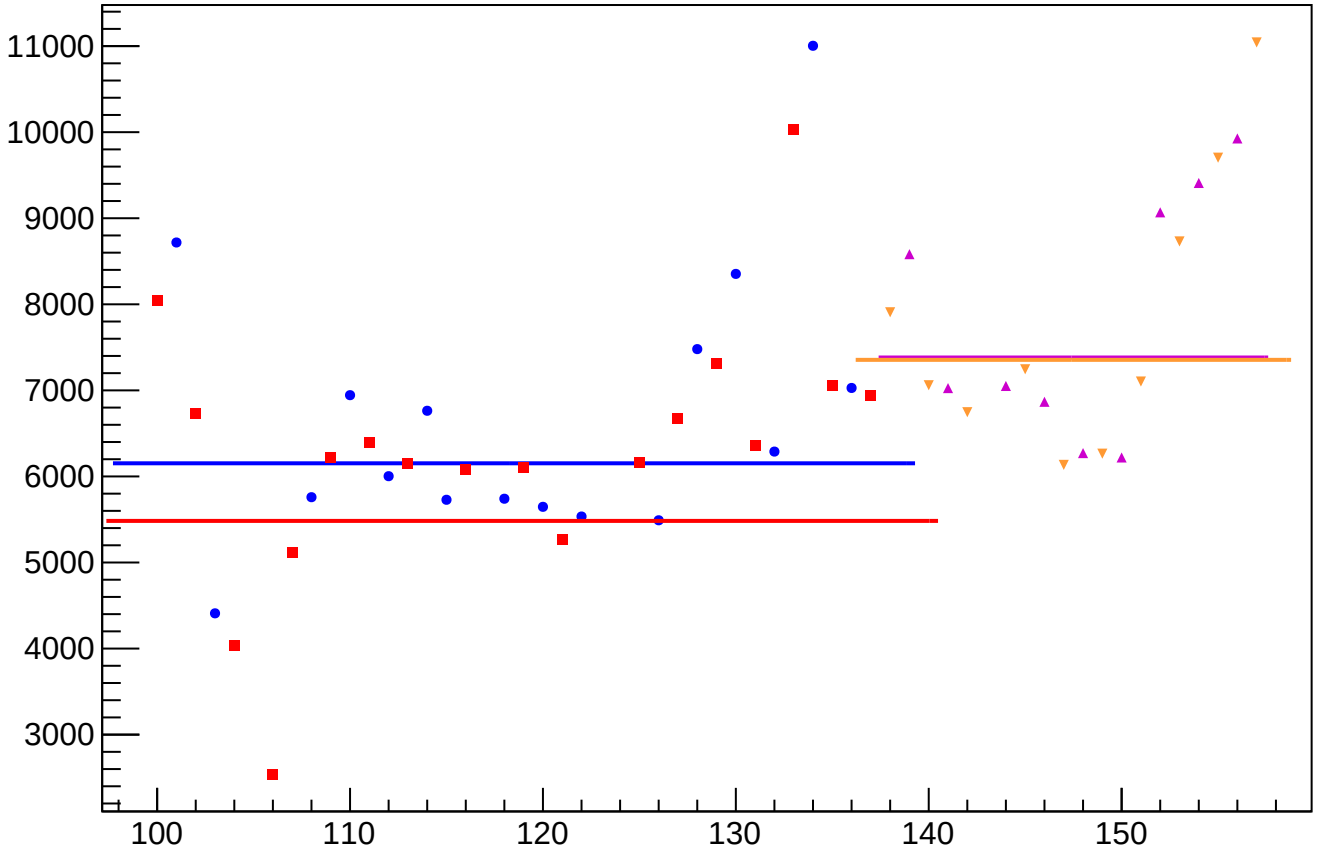
Left In: -5.925+/-2678.760 χ^2/NDF:4.4/8

+ sign 494.056+/-1764.872 χ^2/NDF: 27.1/25

All: 294.303+/-1229.332 χ^2/NDF: 46.2/52

- sign 106.042+/-1713.350 χ^2/NDF: 19.1/26

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7354.599+/-1.892 χ^2/NDF:453320.4/9

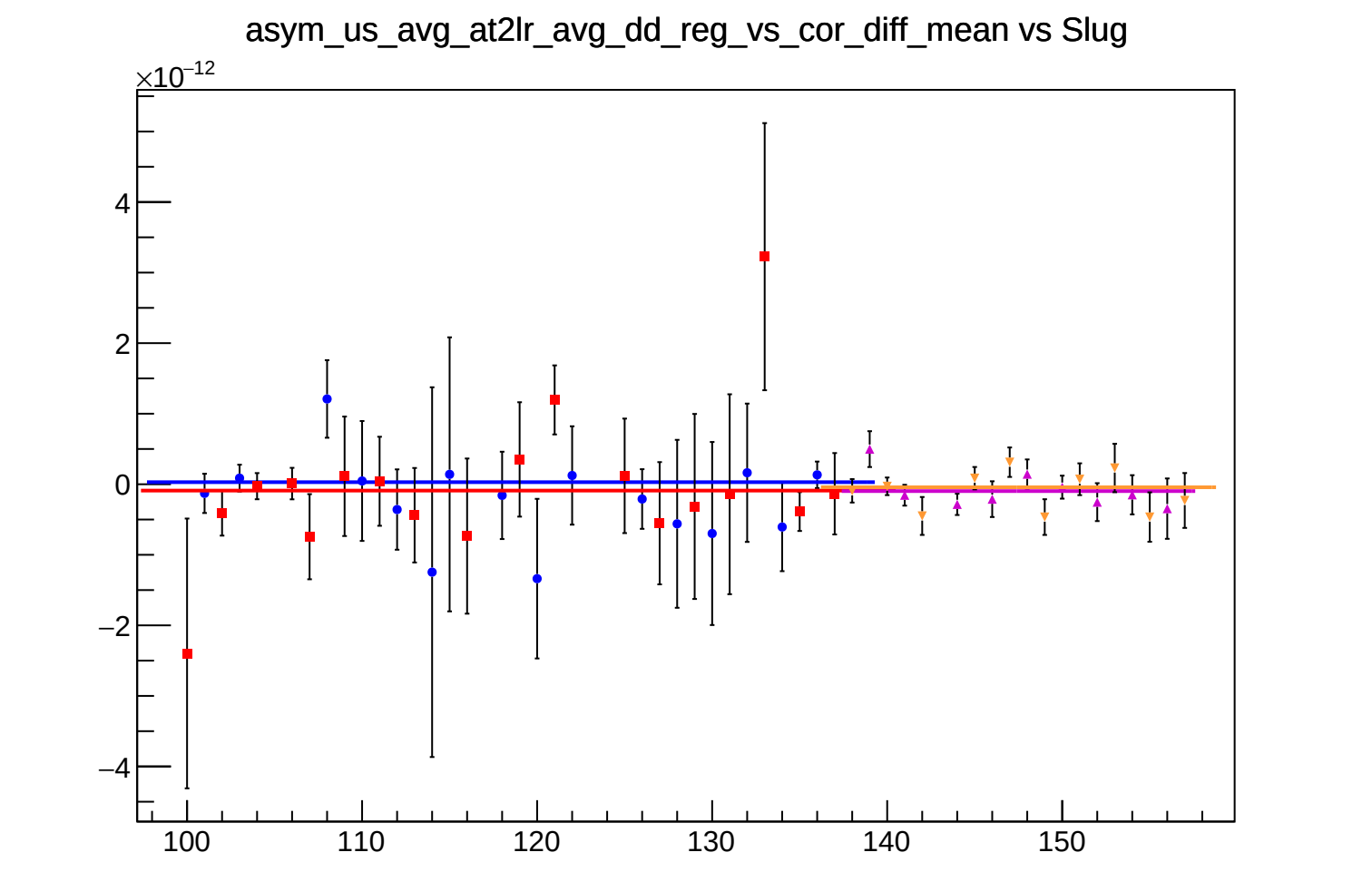
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

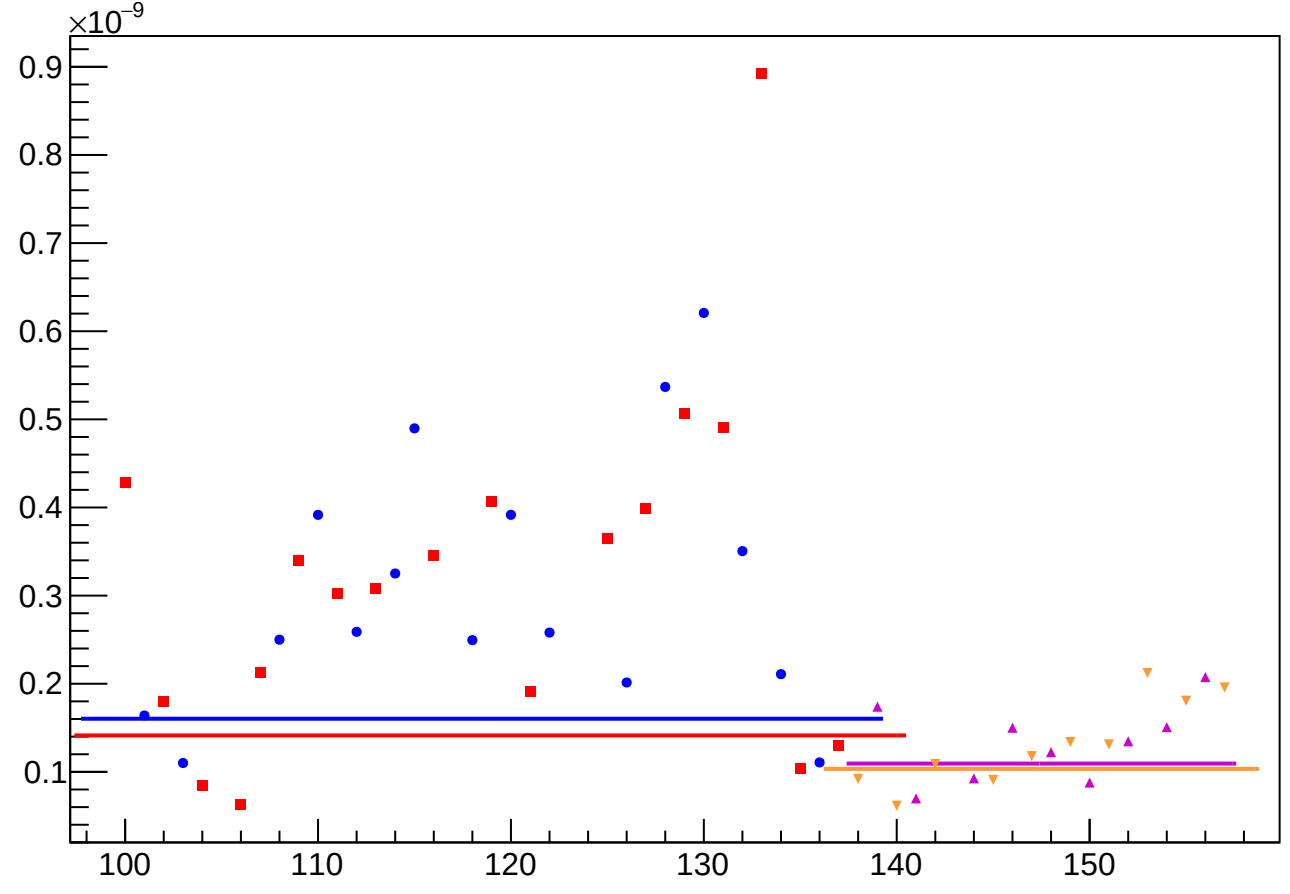
Left In: 7381.908+/-1.894 χ^2/NDF:415076.1/8

+ sign 6675.351+/-1.248 χ^2/NDF: 1305305.0/25

All: 6439.470+/-0.859 χ^2/NDF: 3548339.6/52

- sign 6226.700+/-1.185 χ^2/NDF: 2175081.7/26


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:11.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/8
+ sign -0.000+/-0.000 χ²/NDF: 21.2/25
All: -0.000+/-0.000 χ²/NDF: 48.1/52
- sign -0.000+/-0.000 χ²/NDF: 26.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:727795.9/9

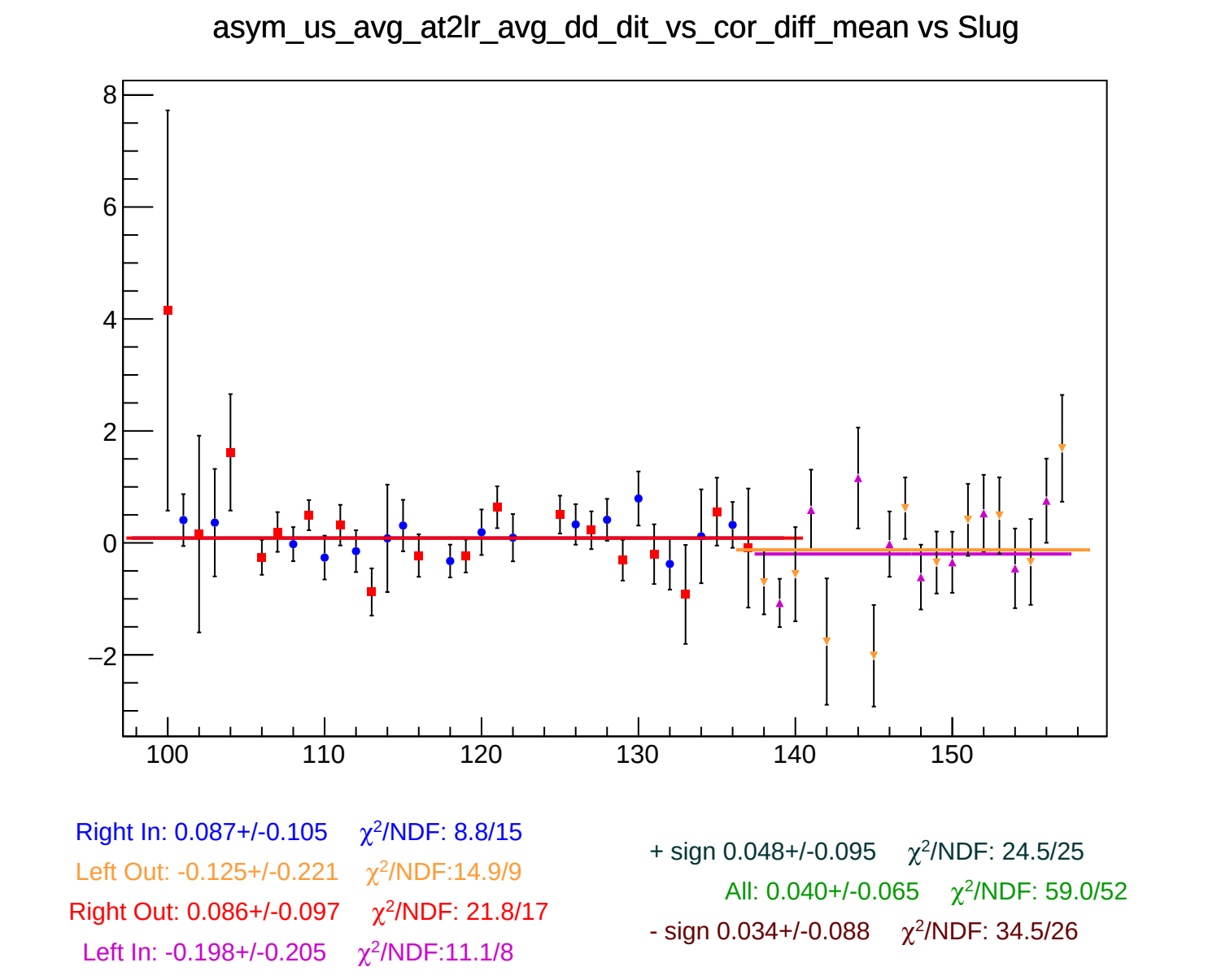
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

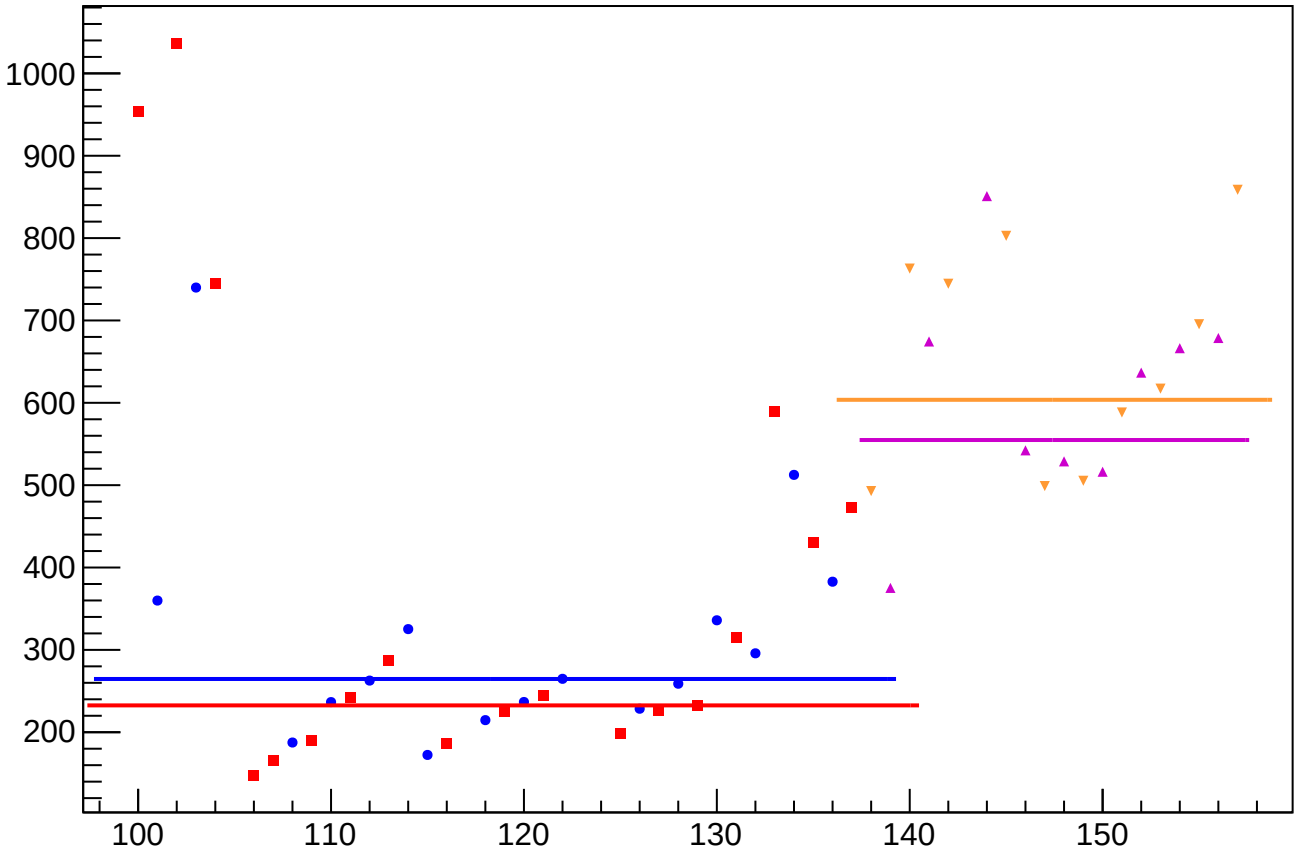
Left In: 0.000+/-0.000 χ^2/NDF:558219.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 2488795.3/25

All: 0.000+/-0.000 χ^2/NDF: 5347277.2/52

- sign 0.000+/-0.000 χ^2/NDF: 2858456.2/26


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.125+/-0.221 χ²/NDF:14.9/9
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.198+/-0.205 χ²/NDF:11.1/8
+ sign 0.048+/-0.095 χ²/NDF: 24.5/25
All: 0.040+/-0.065 χ²/NDF: 59.0/52
- sign 0.034+/-0.088 χ²/NDF: 34.5/26



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.654+/-0.157 χ^2/NDF:583639.4/9

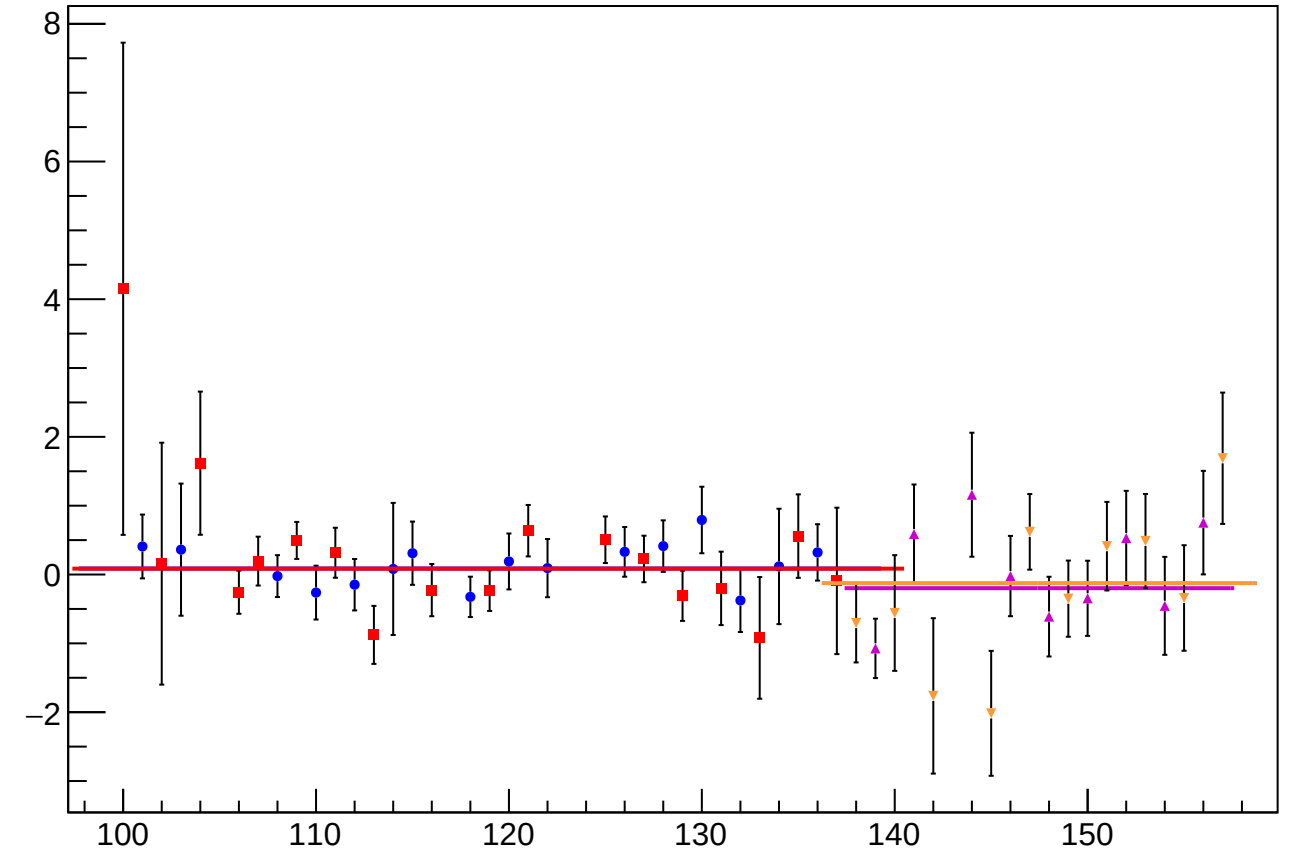
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 554.831+/-0.145 χ^2/NDF:764854.9/8

+ sign 327.007+/-0.067 χ^2/NDF: 5695480.4/25

All: 307.985+/-0.046 χ^2/NDF: 12659240.1/52

- sign 291.650+/-0.062 χ^2/NDF: 6814485.1/26



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.125+/-0.221 χ^2/NDF:14.9/9

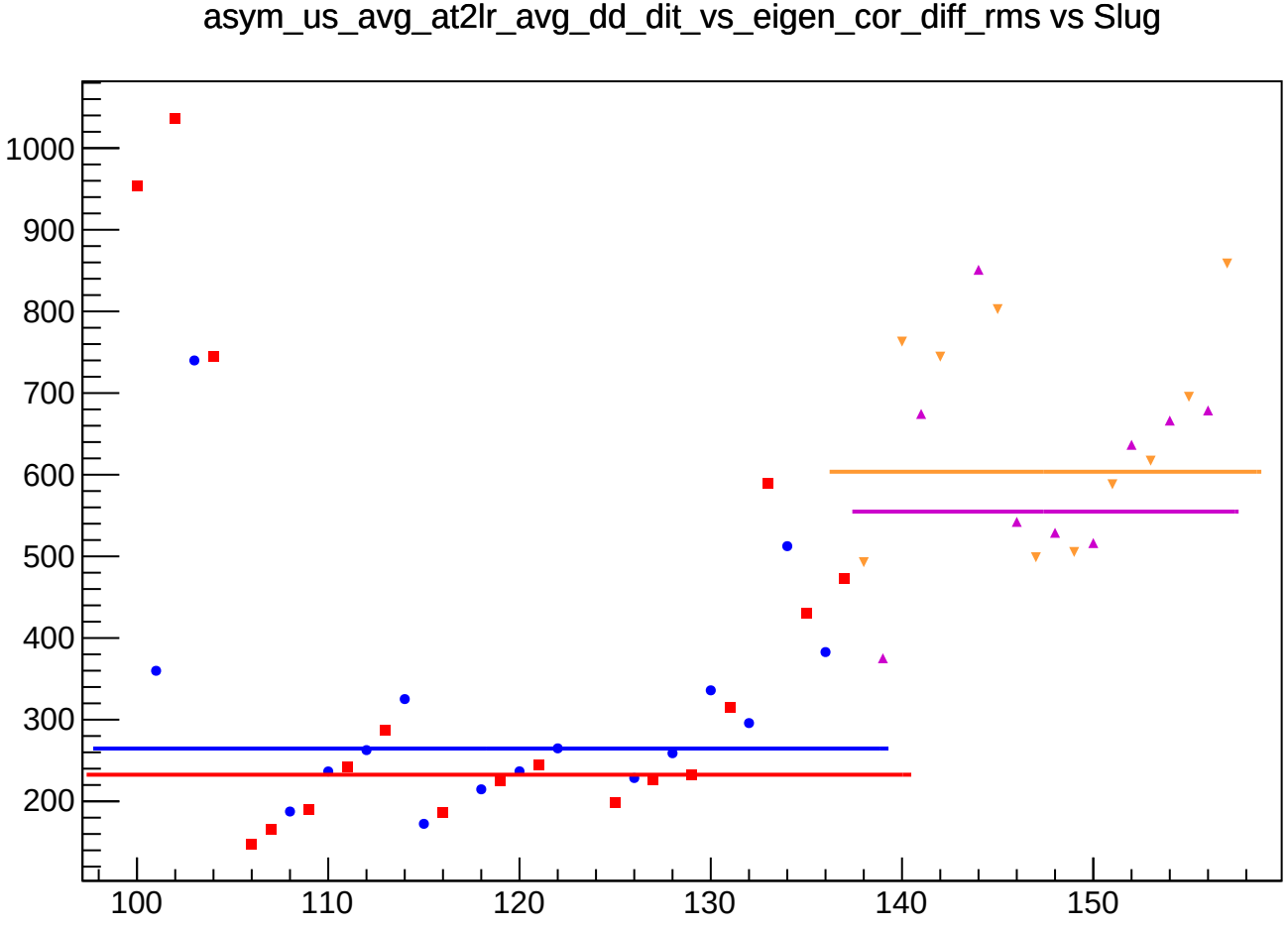
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.198+/-0.205 χ^2/NDF:11.1/8

+ sign 0.048+/-0.095 χ^2/NDF: 24.5/25

All: 0.040+/-0.065 χ^2/NDF: 59.0/52

- sign 0.034+/-0.088 χ^2/NDF: 34.5/26



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 603.654+/-0.157 χ^2/NDF:583639.4/9

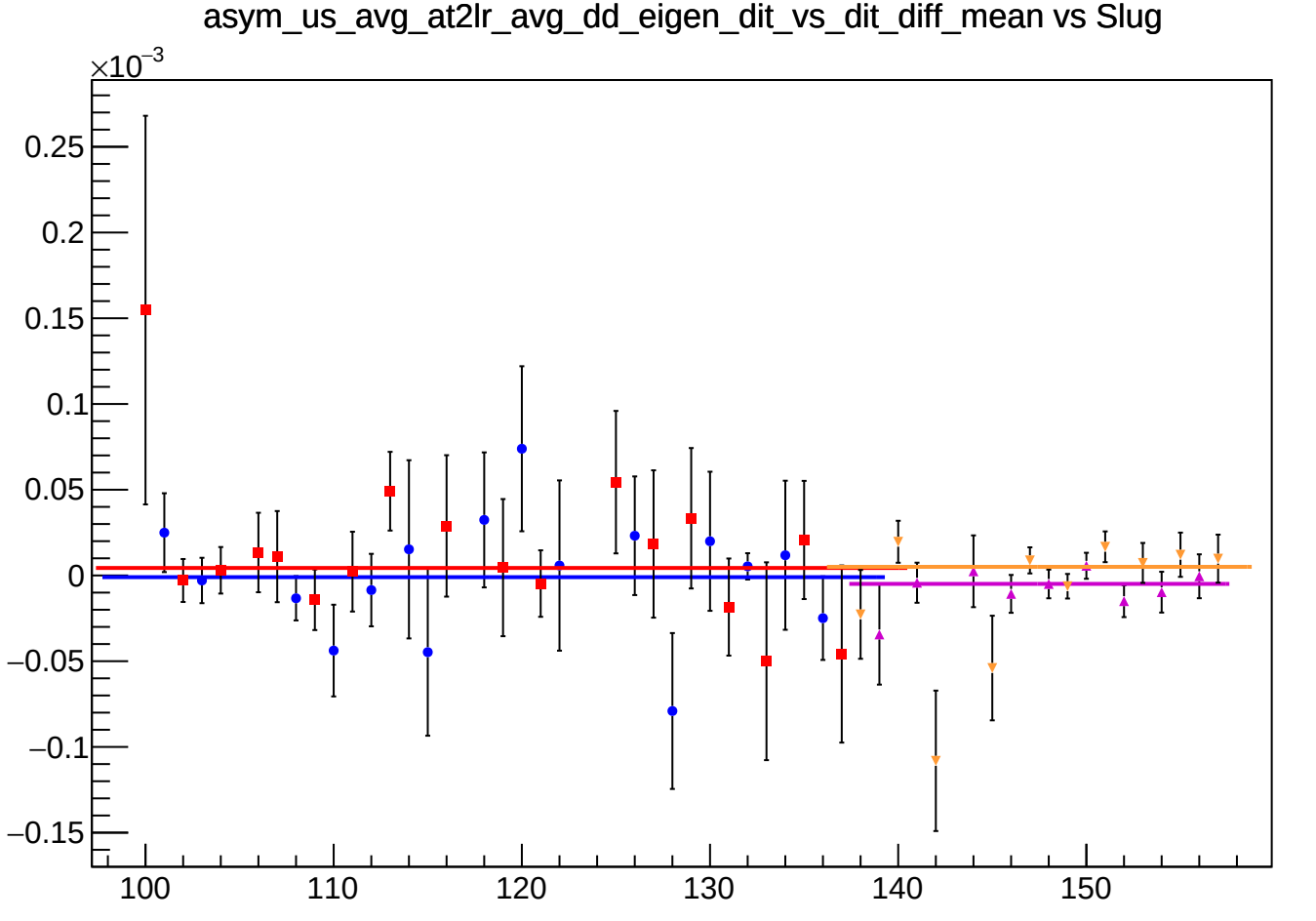
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

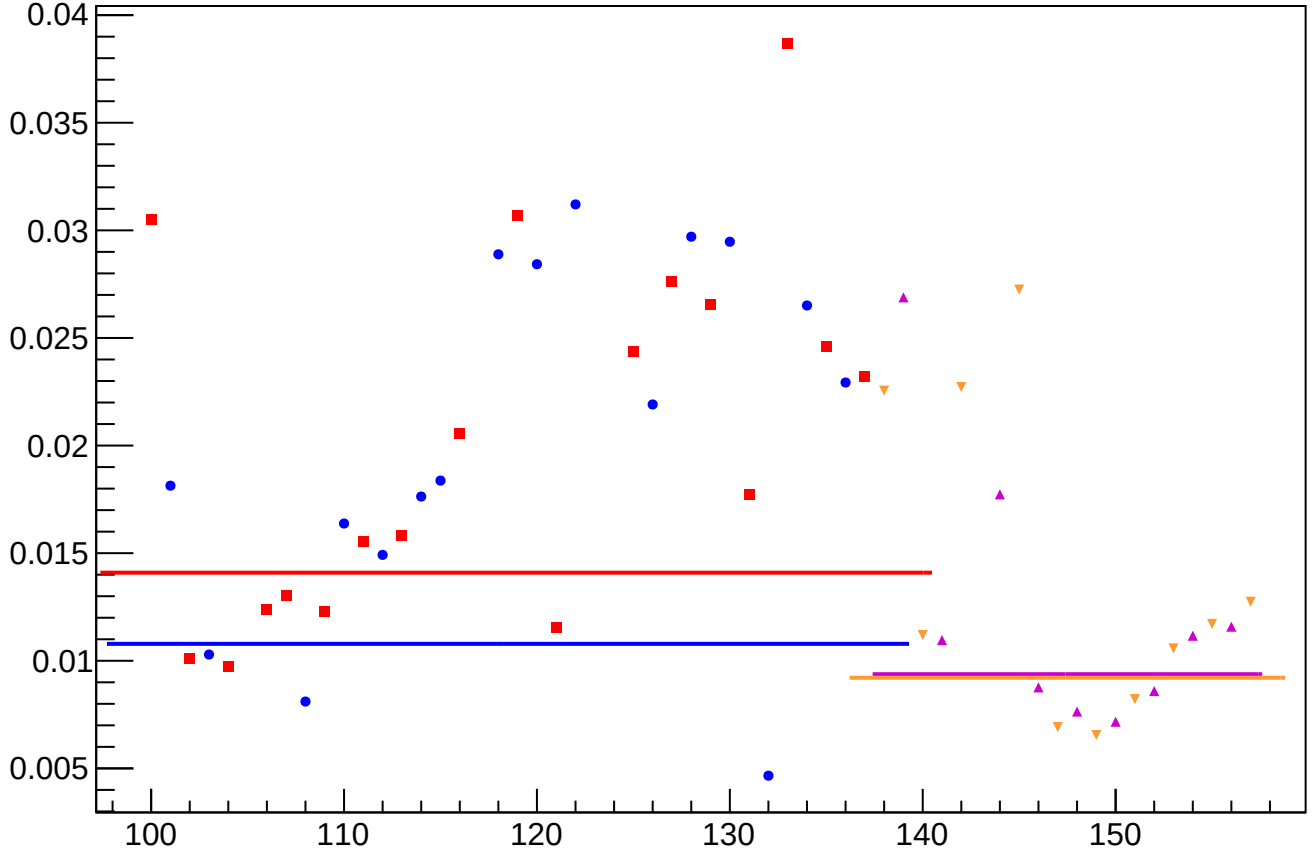
Left In: 554.831+/-0.145 χ^2/NDF:764854.9/8

+ sign 327.007+/-0.067 χ^2/NDF: 5695480.4/25

All: 307.985+/-0.046 χ^2/NDF: 12659240.1/52

- sign 291.650+/-0.062 χ^2/NDF: 6814485.1/26


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:18.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:4.8/8
+ sign 0.000+/-0.000 χ²/NDF: 34.2/25
All: 0.000+/-0.000 χ²/NDF: 54.9/52
- sign -0.000+/-0.000 χ²/NDF: 19.3/26



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2211374.6/9

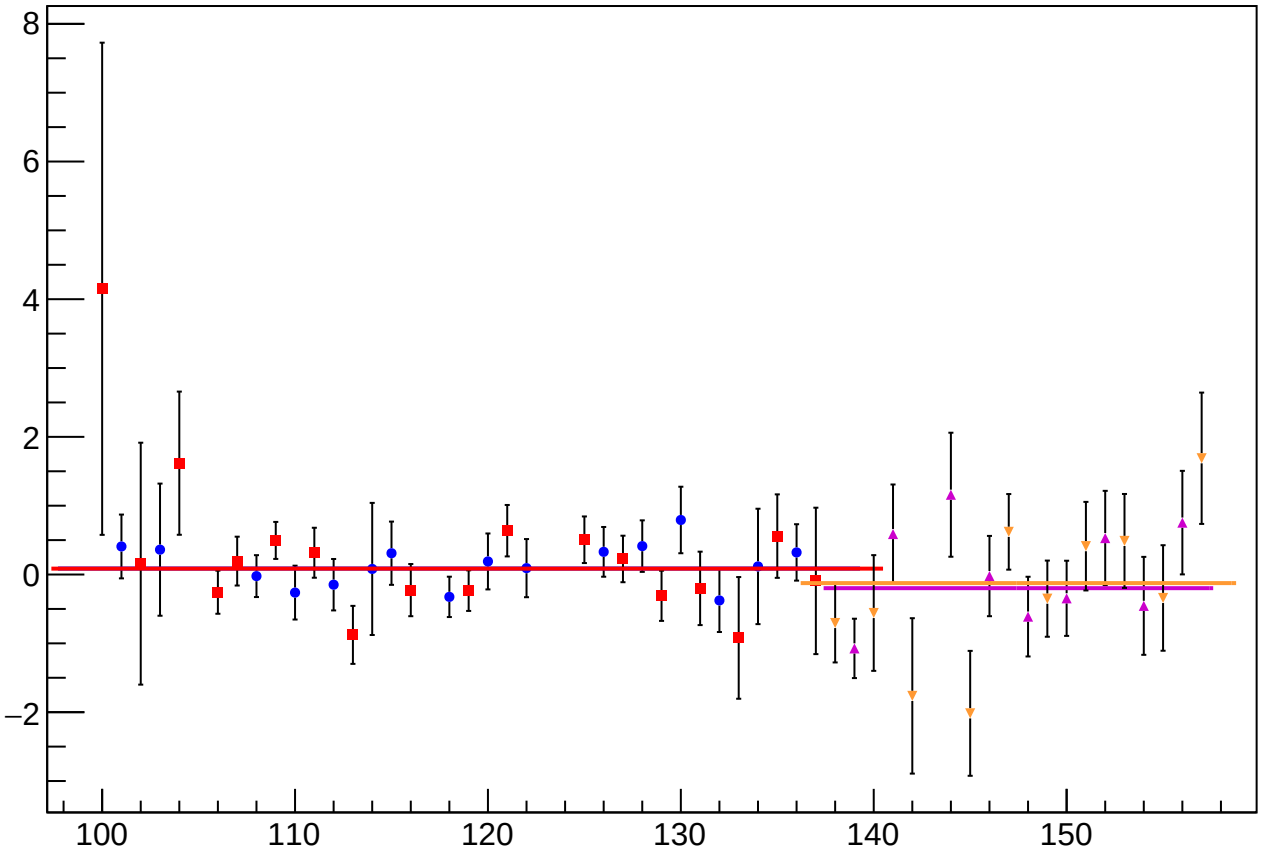
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1453202.3/8

+ sign 0.010+/-0.000 χ^2/NDF: 6923604.9/25

All: 0.010+/-0.000 χ^2/NDF: 11534858.2/52

- sign 0.011+/-0.000 χ^2/NDF: 4503828.4/26



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.125+/-0.221 χ^2/NDF:14.9/9

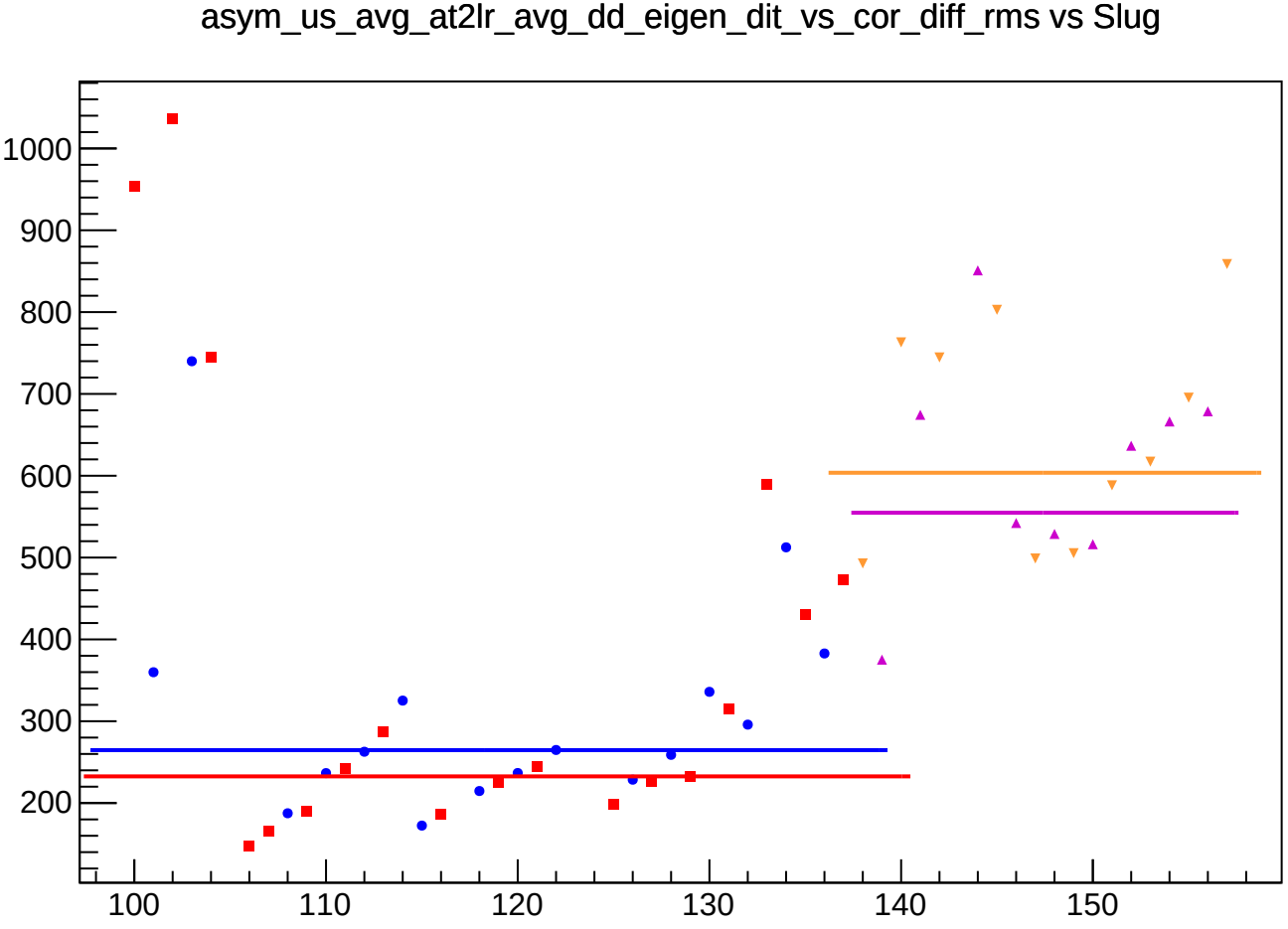
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.198+/-0.205 χ^2/NDF:11.1/8

\+ sign 0.048+/-0.095 χ^2/NDF: 24.5/25

All: 0.040+/-0.065 χ^2/NDF: 59.0/52

\- sign 0.034+/-0.088 χ^2/NDF: 34.5/26



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.660+/-0.157 χ^2/NDF:583644.8/9

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

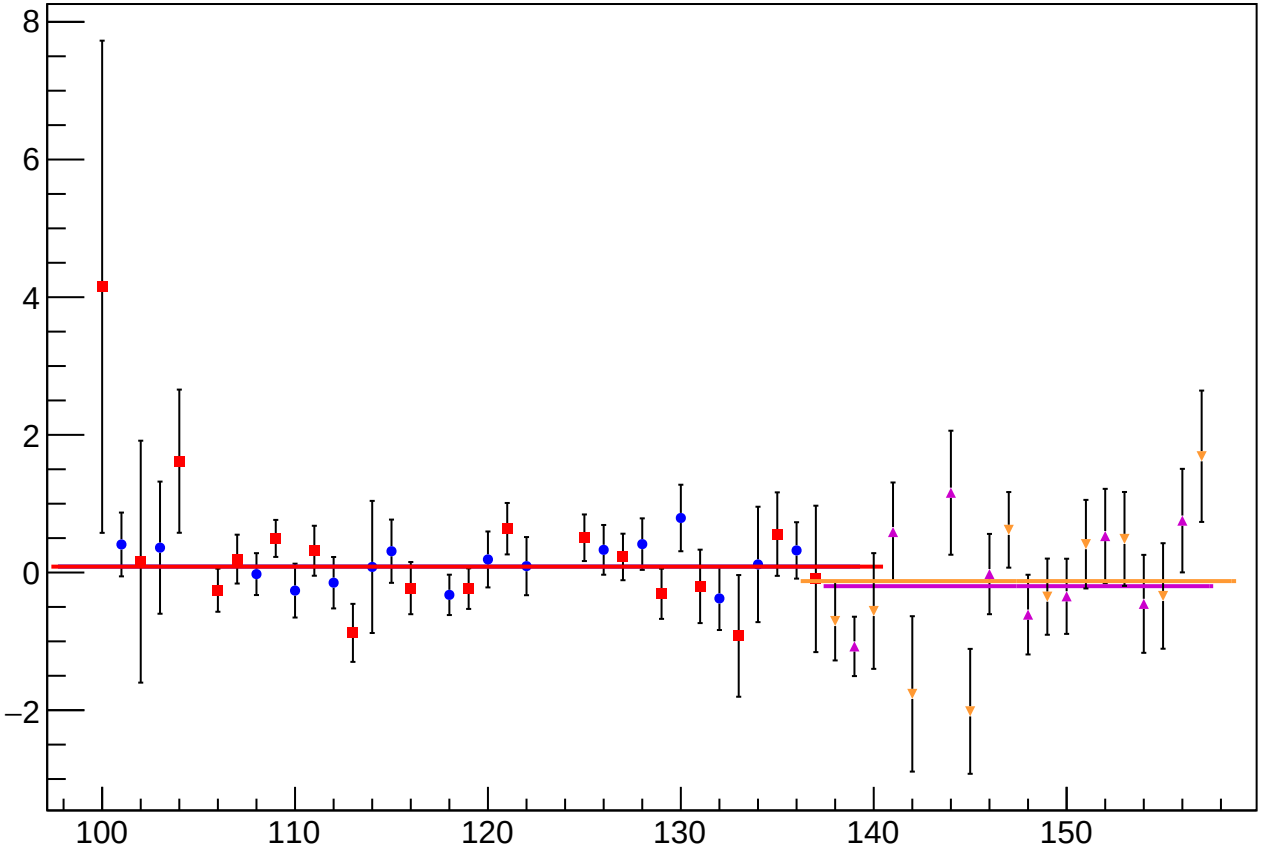
Left In: 554.838+/-0.145 χ^2/NDF:764825.4/8

+ sign 327.006+/-0.067 χ^2/NDF: 5695536.7/25

All: 307.985+/-0.046 χ^2/NDF: 12659335.6/52

- sign 291.651+/-0.062 χ^2/NDF: 6814534.3/26

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.125+/-0.221 χ^2/NDF:14.9/9

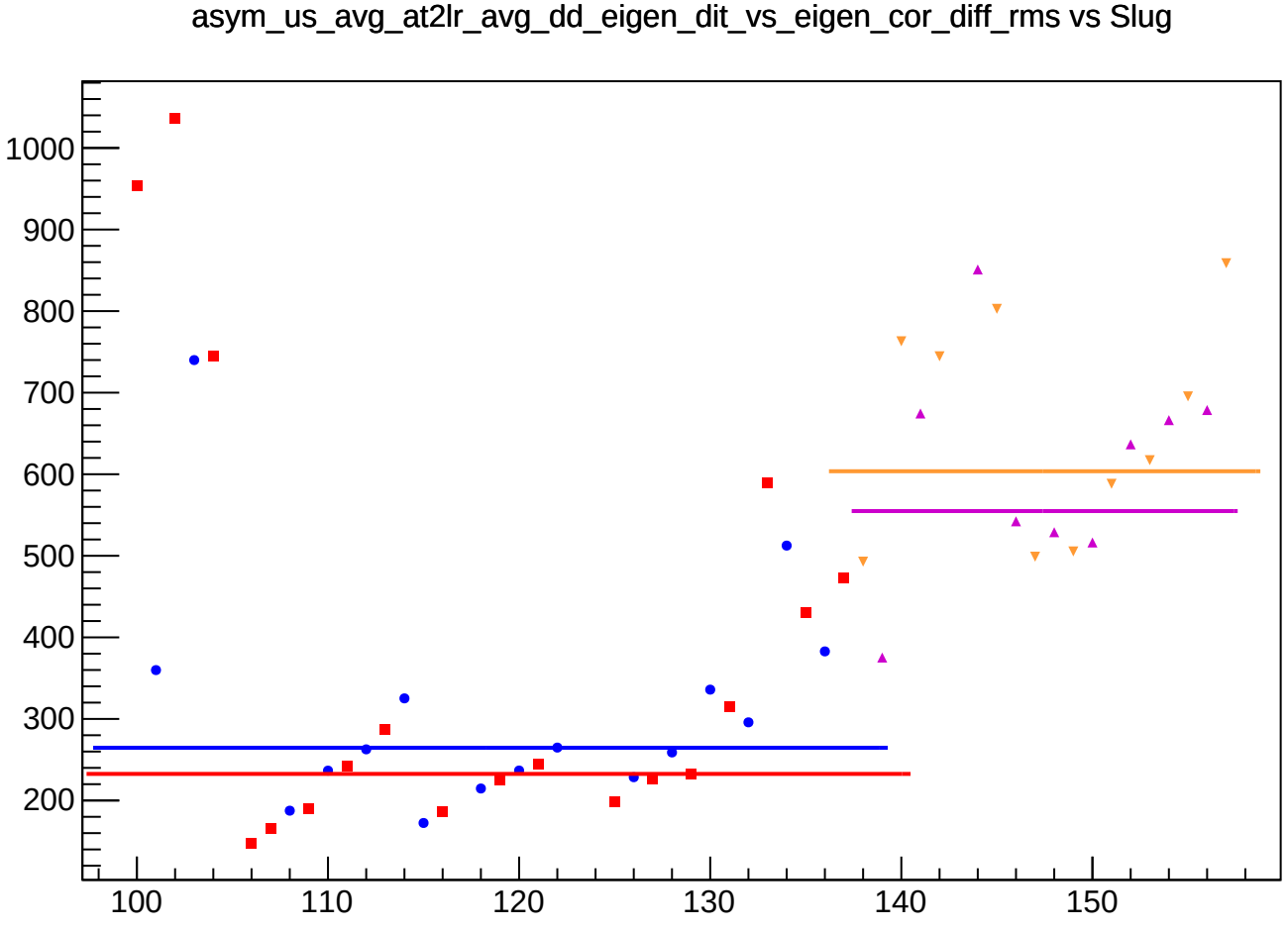
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.198+/-0.205 χ^2/NDF:11.1/8

+ sign 0.048+/-0.095 χ^2/NDF: 24.5/25

All: 0.040+/-0.065 χ^2/NDF: 59.0/52

- sign 0.034+/-0.088 χ^2/NDF: 34.5/26



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 603.660+/-0.157 χ^2/NDF:583644.8/9

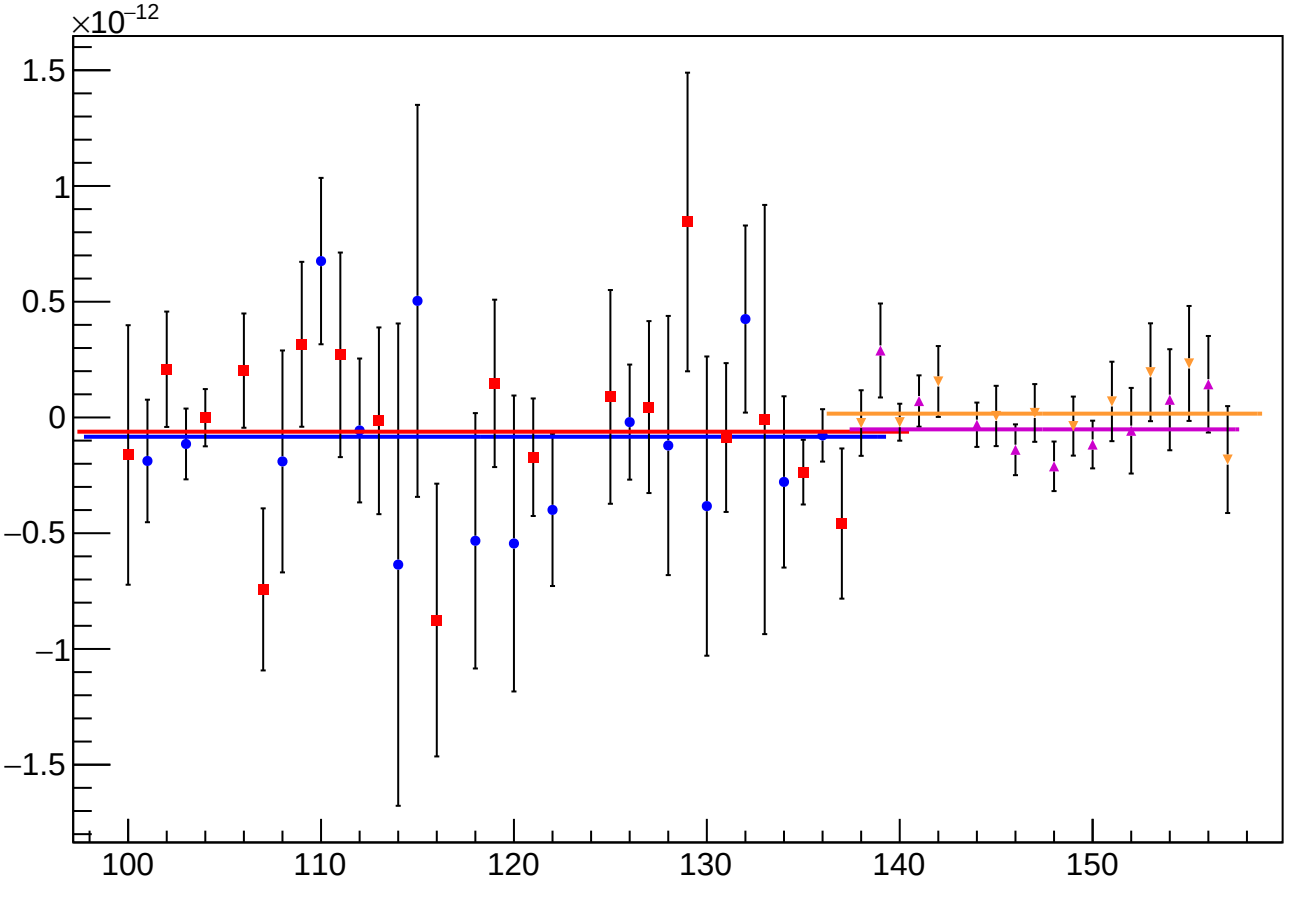
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 554.838+/-0.145 χ^2/NDF:764825.4/8

+ sign 327.006+/-0.067 χ^2/NDF: 5695536.7/25

All: 307.985+/-0.046 χ^2/NDF: 12659335.6/52

- sign 291.651+/-0.062 χ^2/NDF: 6814534.3/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/9

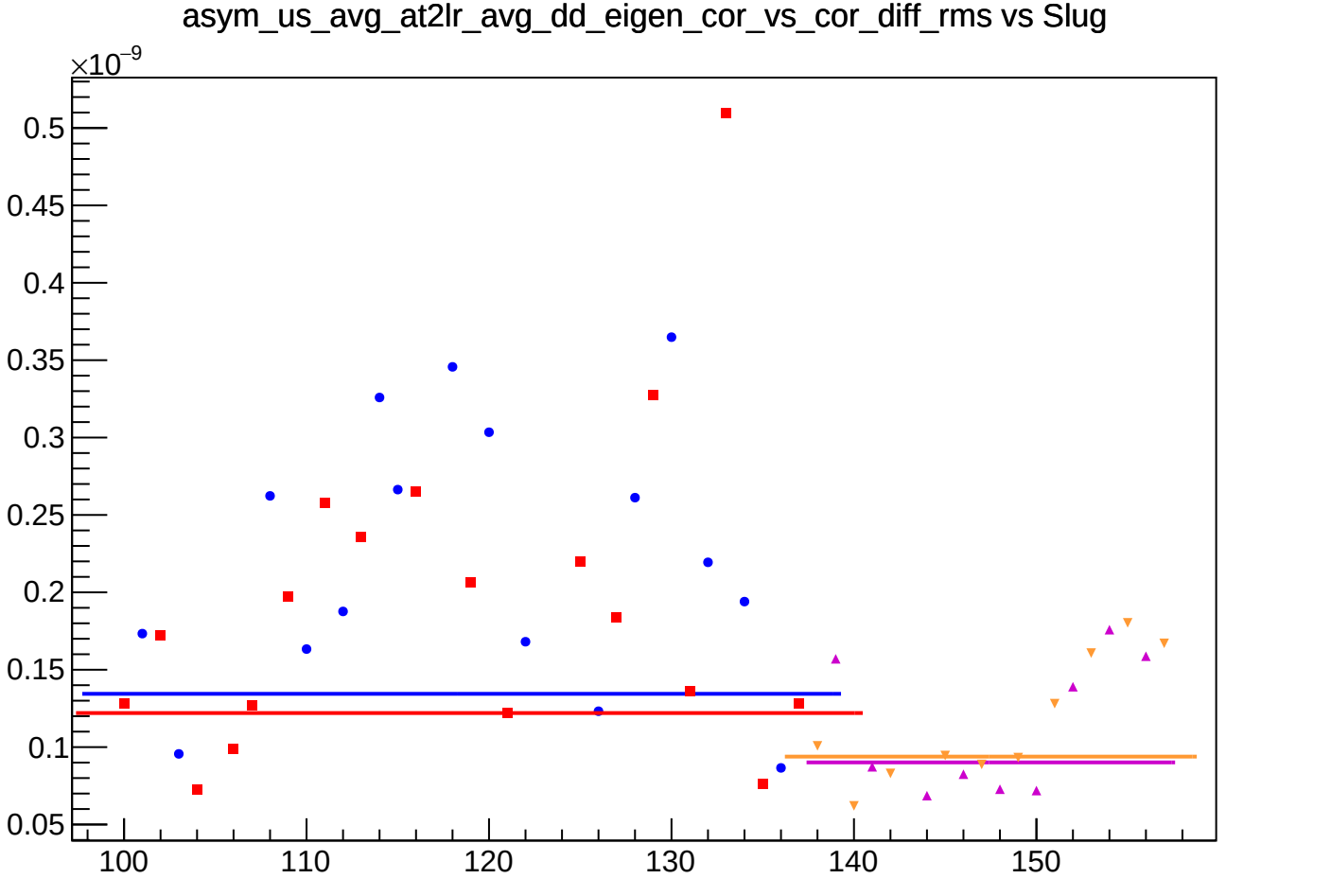
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 14.8/25

All: -0.000+/-0.000 χ^2/NDF: 39.9/52

- sign -0.000+/-0.000 χ^2/NDF: 24.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1059071.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

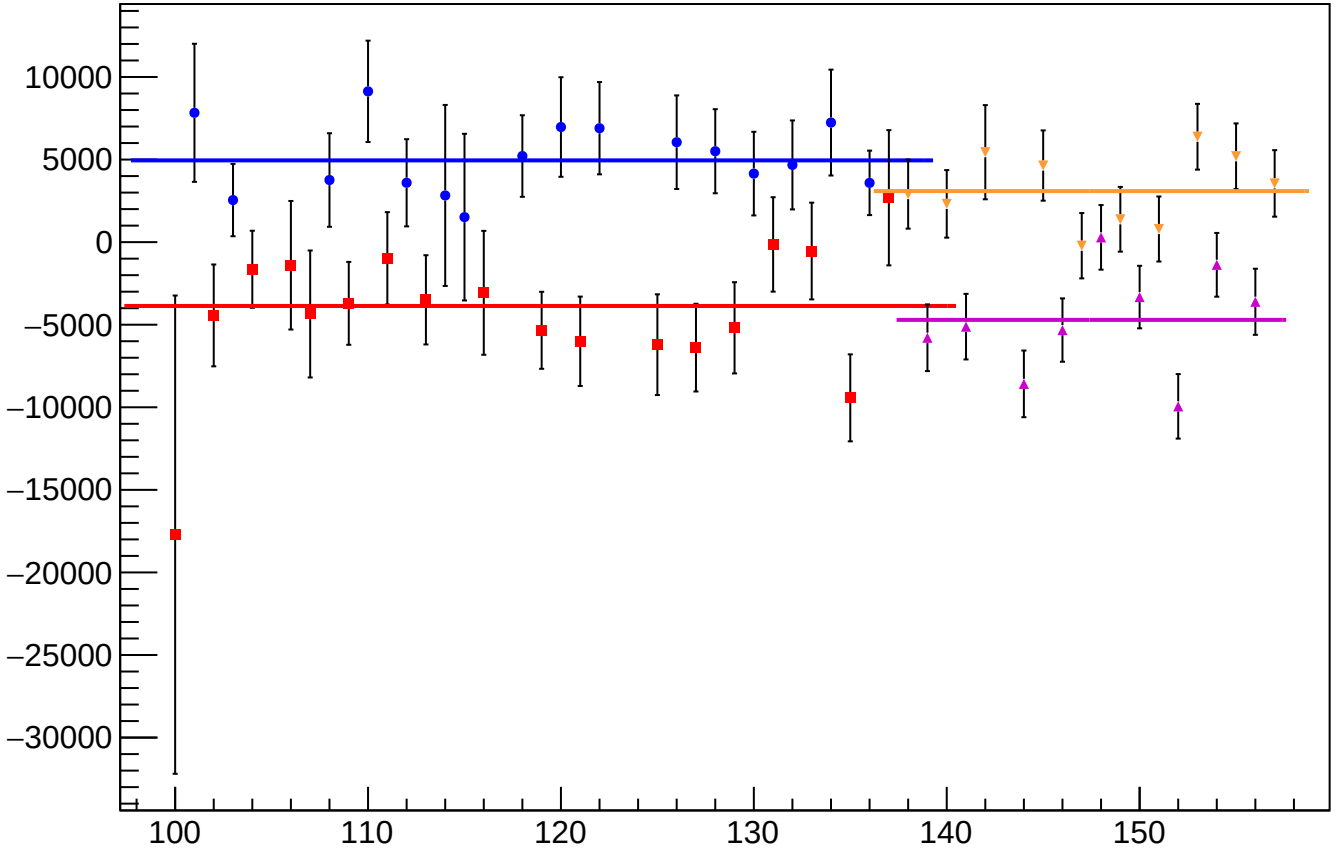
Left In: 0.000+/-0.000 χ^2/NDF:1108623.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 3367955.6/25

All: 0.000+/-0.000 χ^2/NDF: 6845137.2/52

- sign 0.000+/-0.000 χ^2/NDF: 3452744.3/26

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.238+/-654.098 χ^2/NDF:10.2/9

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

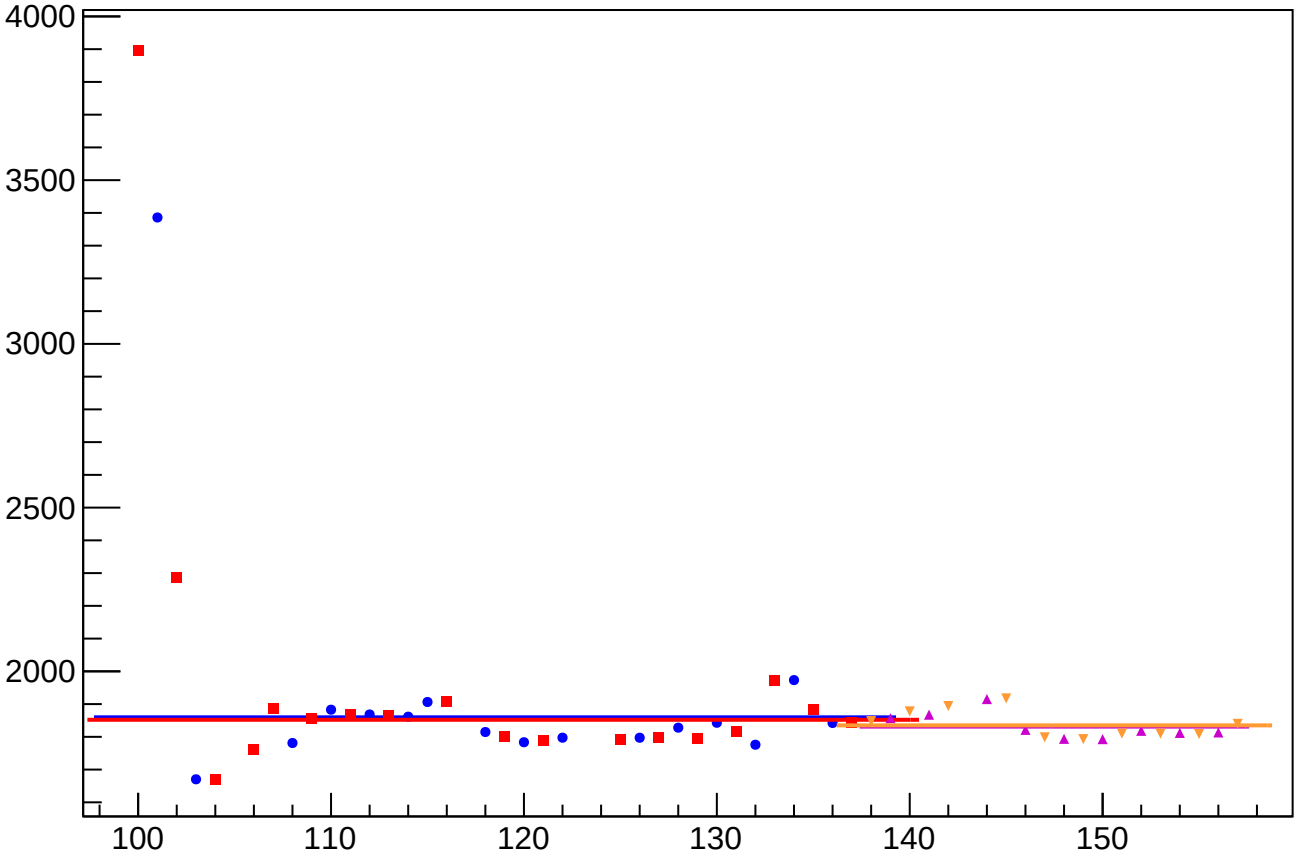
Left In: -4707.385+/-654.112 χ^2/NDF:21.6/8

+ sign 3959.238+/-477.582 χ^2/NDF: 20.8/25

All: -185.212+/-337.346 χ^2/NDF: 209.7/52

- sign -4312.238+/-476.577 χ^2/NDF: 38.6/26

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

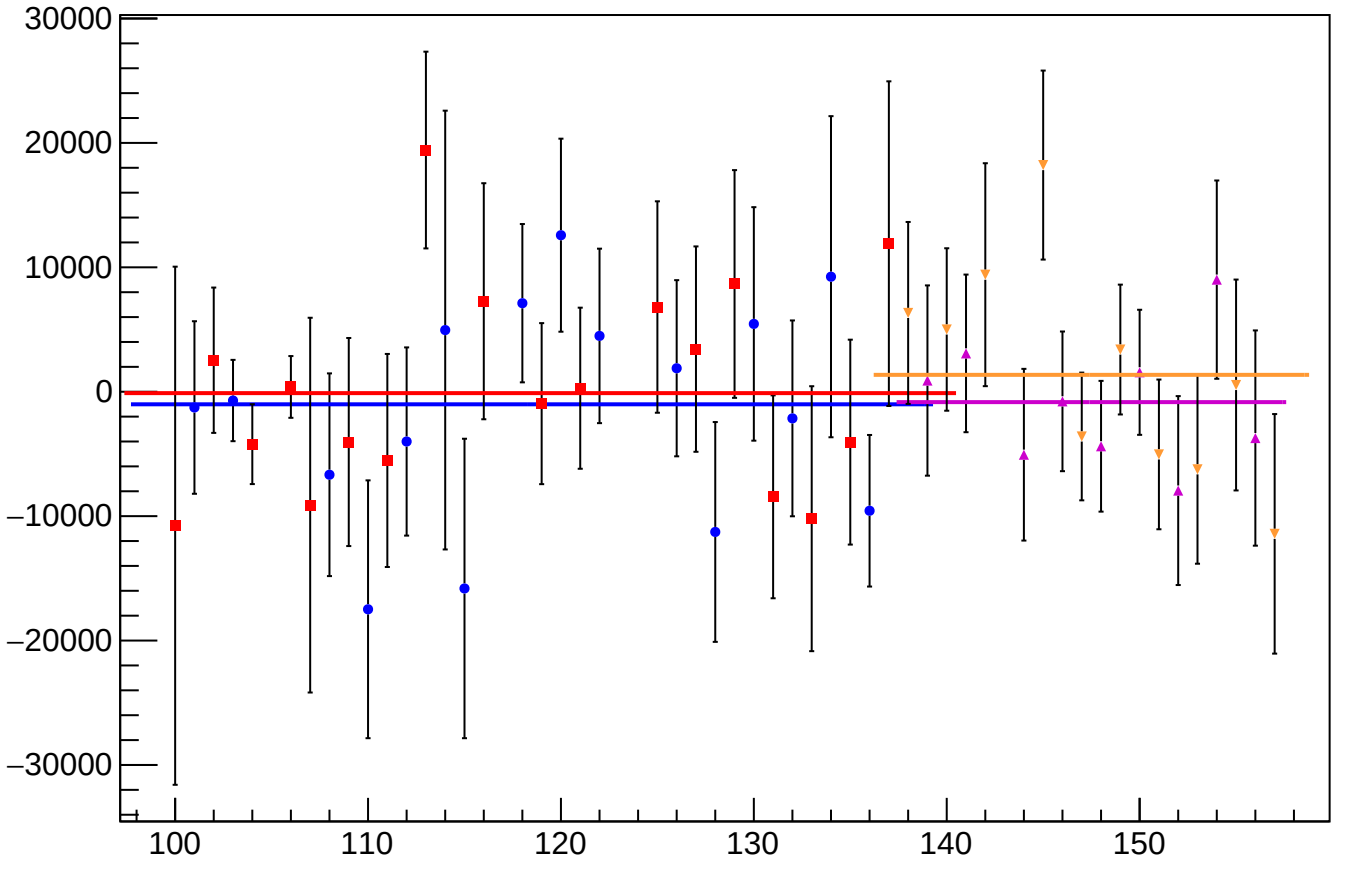
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1831.277+/-0.463 χ^2/NDF:6504.0/8

+ sign 1846.454+/-0.338 χ^2/NDF: 301055.4/25

All: 1843.748+/-0.238 χ^2/NDF: 410850.7/52

- sign 1841.061+/-0.337 χ^2/NDF: 109667.3/26



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 1357.657+/-2149.965 χ^2/NDF:11.5/9

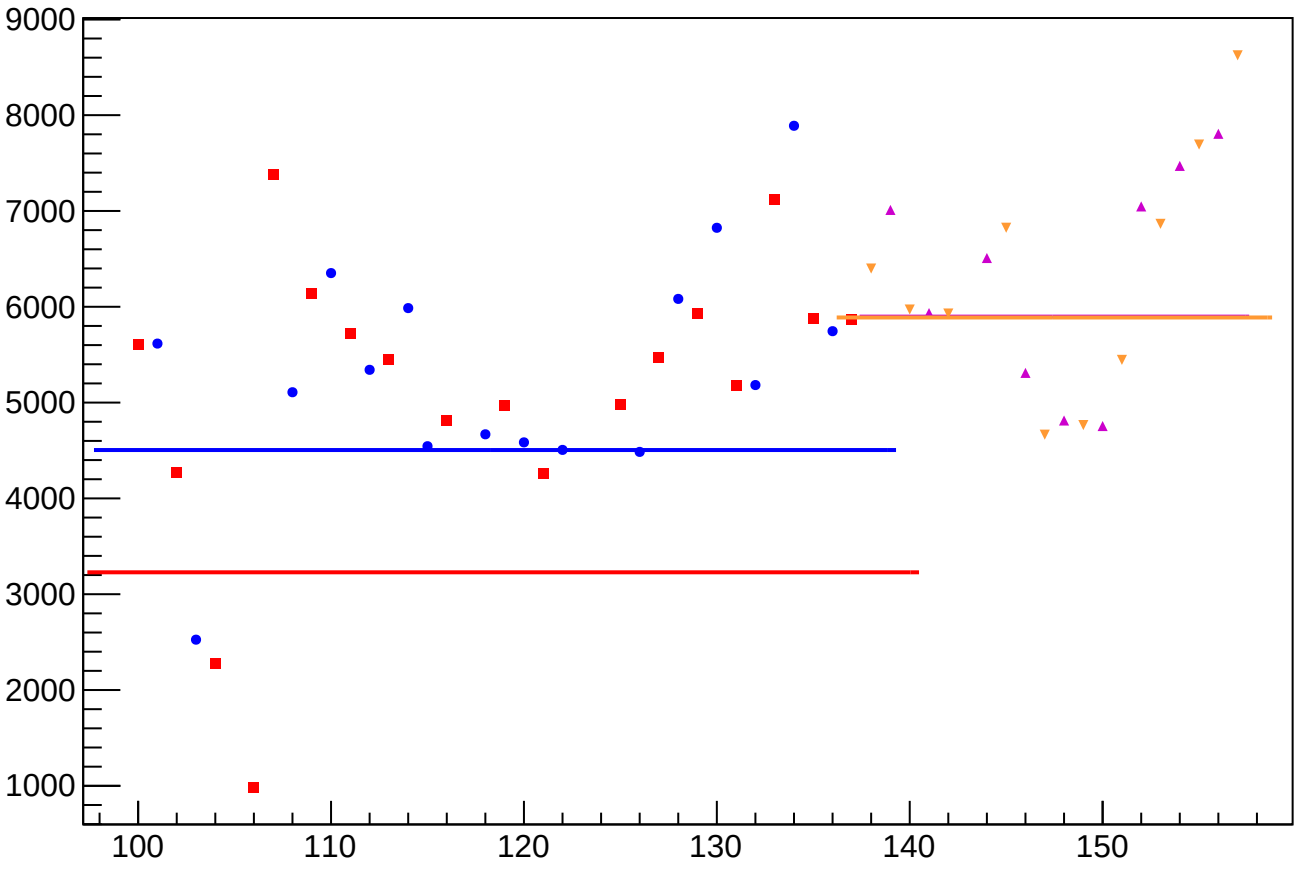
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -835.024+/-2146.695 χ^2/NDF:4.0/8

\+ sign -57.459+/-1363.808 χ^2/NDF: 27.0/25

All: -214.768+/-898.791 χ^2/NDF: 45.7/52

\- sign -335.548+/-1195.016 χ^2/NDF: 18.7/26



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5888.267+/-1.520 χ^2/NDF:542966.2/9

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

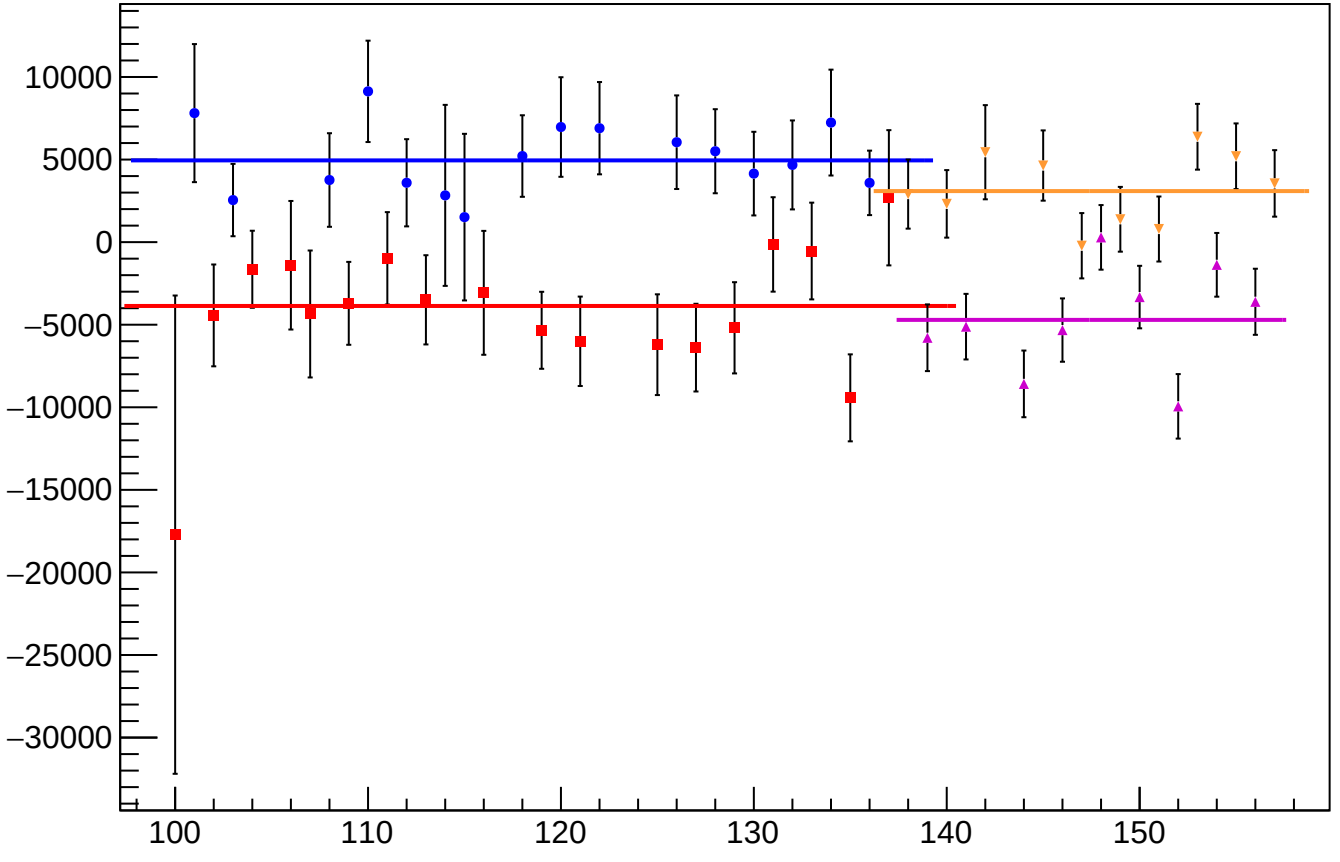
Left In: 5897.101+/-1.518 χ^2/NDF:489627.7/8

+ sign 5061.481+/-0.964 χ^2/NDF: 2358988.4/25

All: 4492.444+/-0.636 χ^2/NDF: 9553280.6/52

- sign 4055.544+/-0.845 χ^2/NDF: 6578781.7/26

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

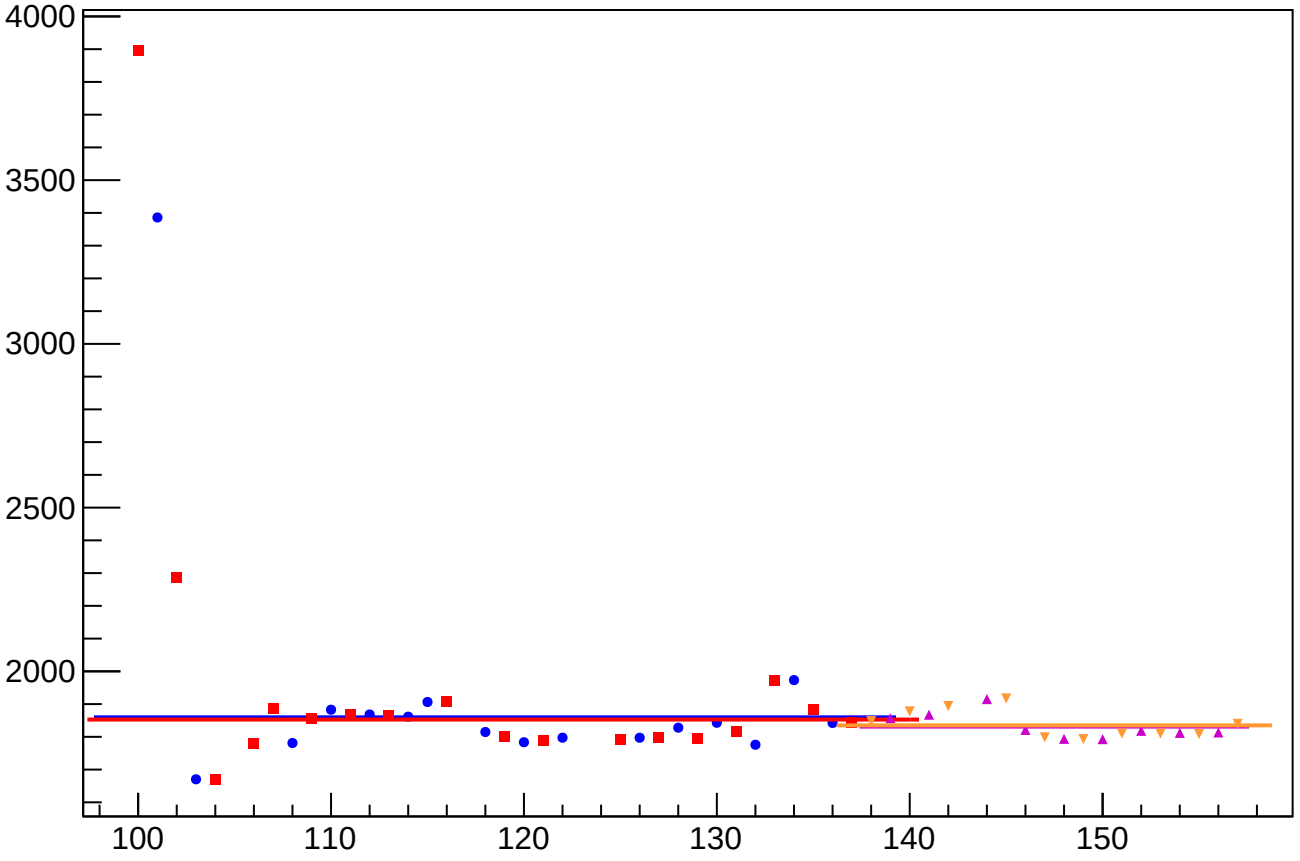
Left In: -4707.634+/-654.112 χ^2/NDF:21.6/8

+ sign 3958.970+/-477.582 χ^2/NDF: 20.8/25

All: -185.362+/-337.346 χ^2/NDF: 209.7/52

- sign -4312.270+/-476.577 χ^2/NDF: 38.6/26

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

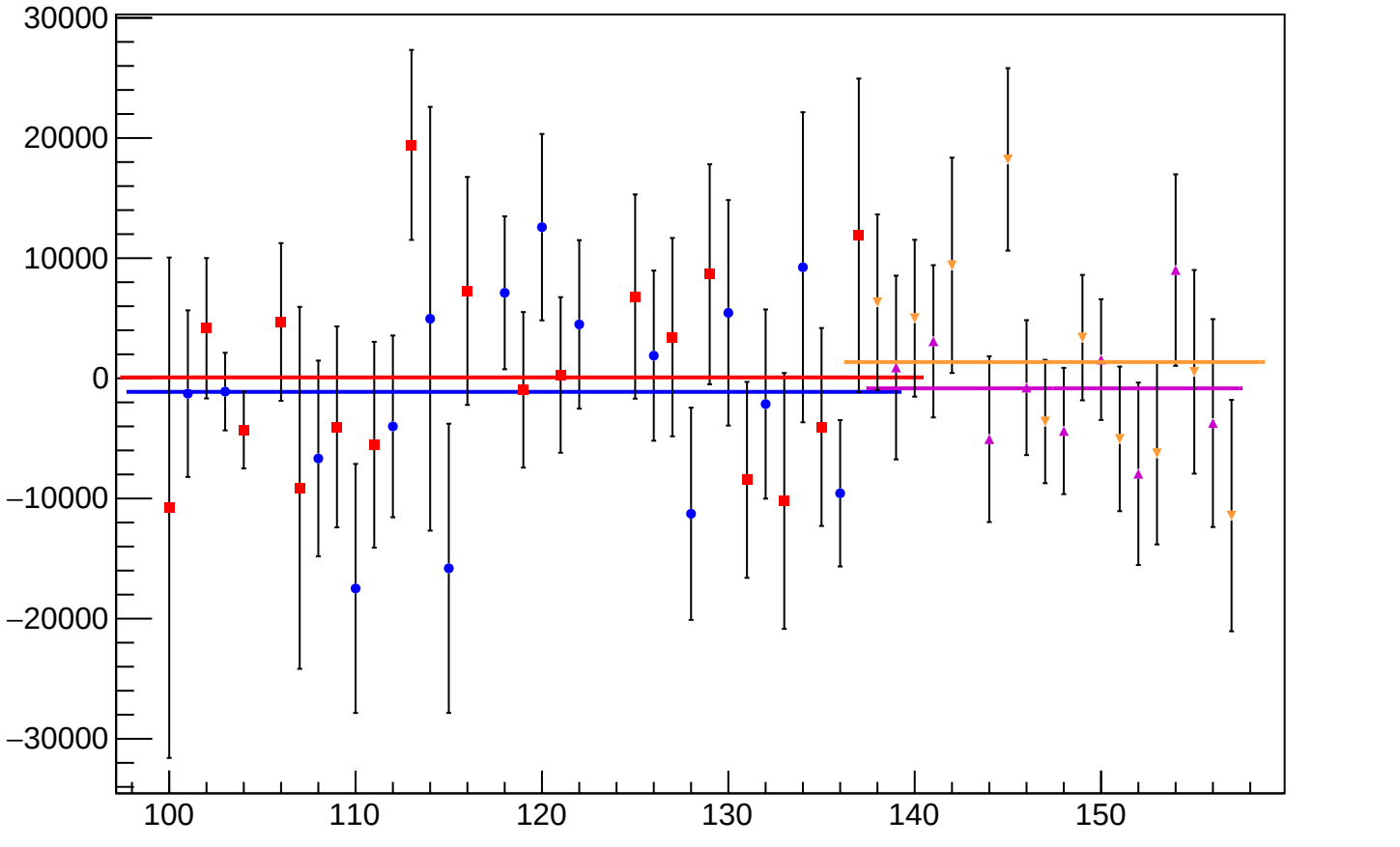
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1831.277+/-0.463 χ^2/NDF:6504.0/8

+ sign 1846.454+/-0.338 χ^2/NDF: 301057.3/25

All: 1843.913+/-0.238 χ^2/NDF: 410440.7/52

- sign 1841.390+/-0.337 χ^2/NDF: 109270.6/26



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 1357.507+/-2149.963 χ^2/NDF:11.5/9

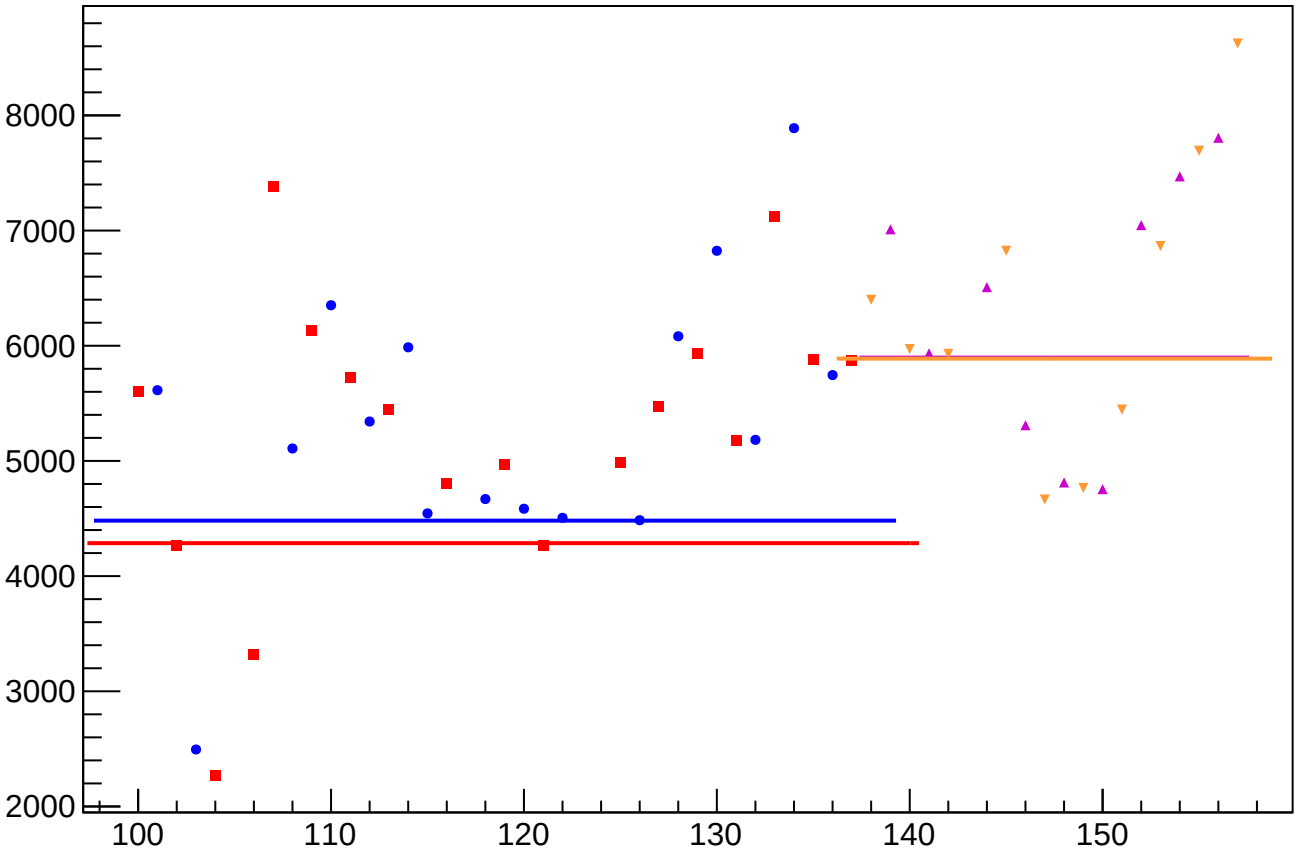
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -835.213+/-2146.695 χ^2/NDF:4.0/8

+ sign -130.682+/-1360.888 χ^2/NDF: 27.0/25

All: -203.995+/-952.606 χ^2/NDF: 46.7/52

- sign -274.427+/-1333.893 χ^2/NDF: 19.7/26



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

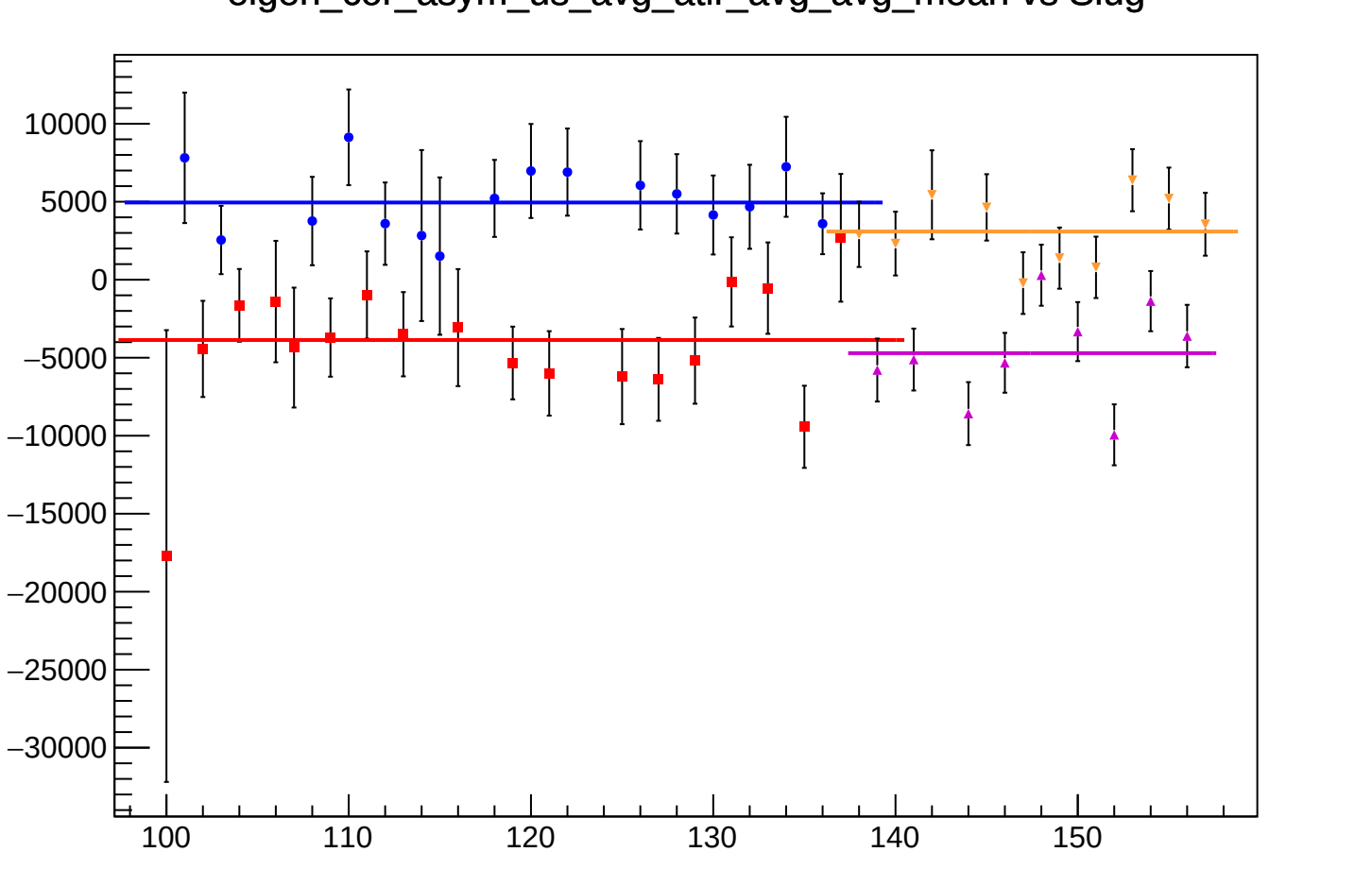
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5897.101+/-1.518 χ^2/NDF:489630.5/8

+ sign 5045.153+/-0.962 χ^2/NDF: 2418403.7/25

All: 4975.266+/-0.674 χ^2/NDF: 5159683.3/52

- sign 4908.125+/-0.943 χ^2/NDF: 2730938.1/26



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3091.159+/-654.098 χ^2/NDF:10.2/9

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

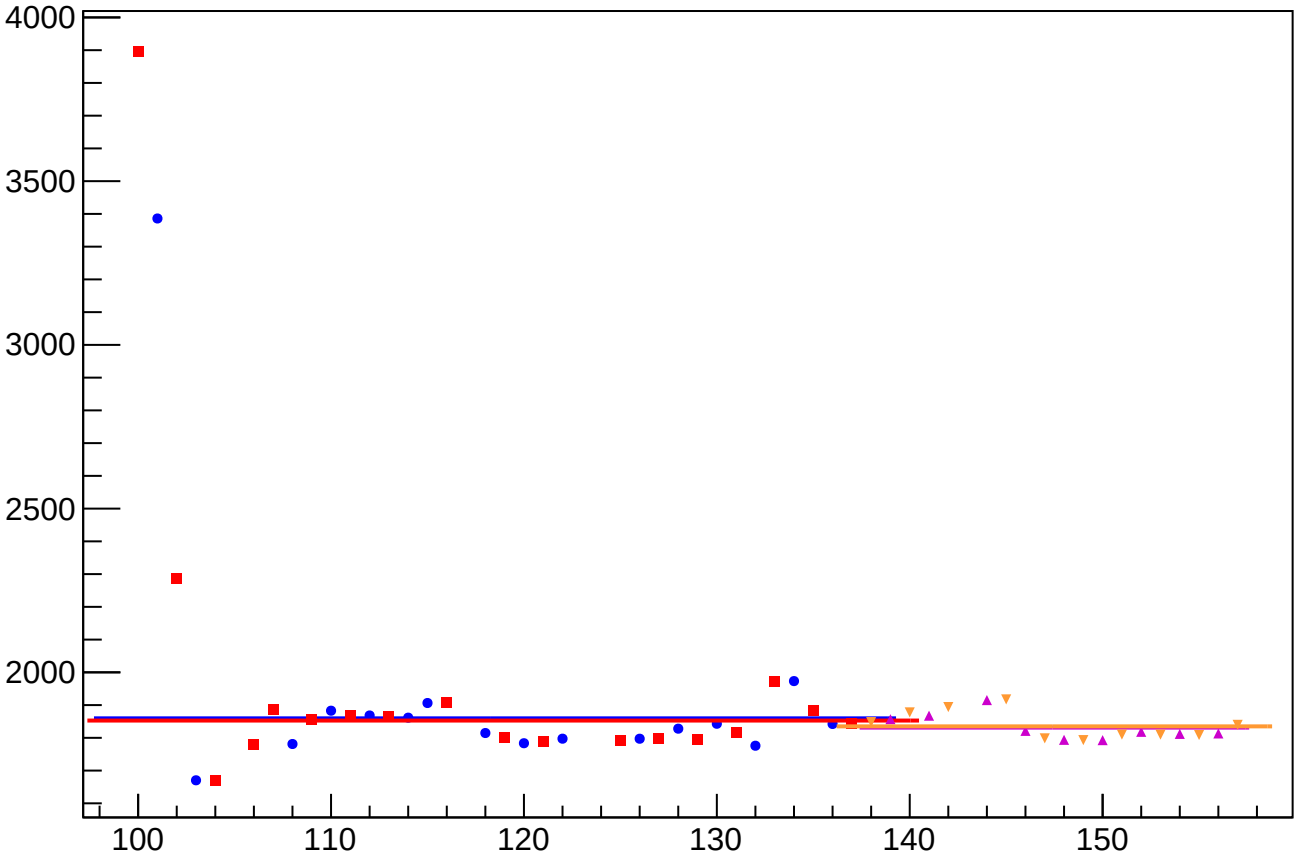
Left In: -4707.634+/-654.112 χ^2/NDF:21.6/8

+ sign 3958.970+/-477.582 χ^2/NDF: 20.8/25

All: -185.362+/-337.346 χ^2/NDF: 209.7/52

- sign -4312.270+/-476.577 χ^2/NDF: 38.6/26

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1835.019+/-0.463 χ^2/NDF:7411.8/9

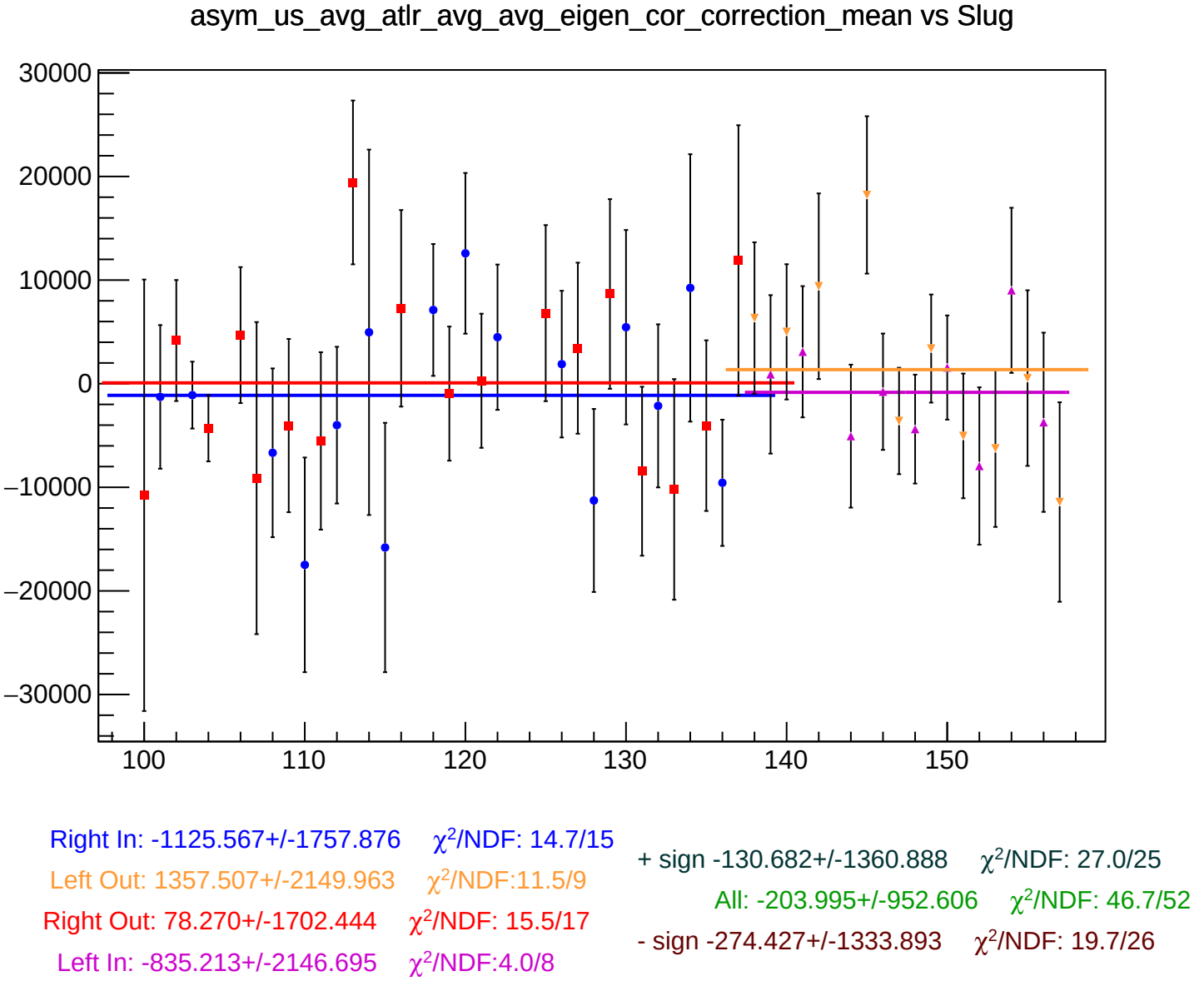
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

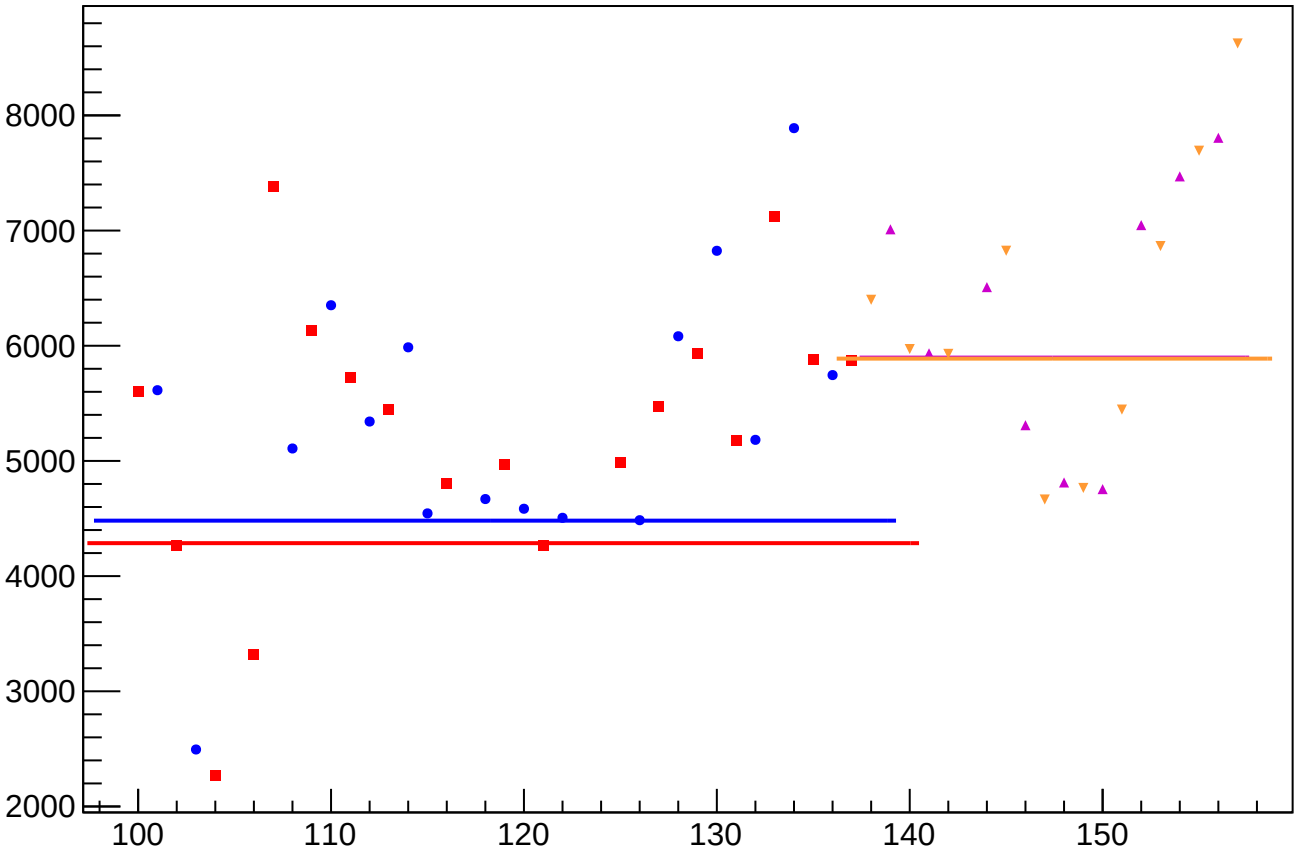
Left In: 1831.277+/-0.463 χ^2/NDF:6504.0/8

+ sign 1846.454+/-0.338 χ^2/NDF: 301057.3/25

All: 1843.913+/-0.238 χ^2/NDF: 410440.7/52

- sign 1841.390+/-0.337 χ^2/NDF: 109270.6/26


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 1357.507+/-2149.963 χ²/NDF:11.5/9
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -835.213+/-2146.695 χ²/NDF:4.0/8
+ sign -130.682+/-1360.888 χ²/NDF: 27.0/25
All: -203.995+/-952.606 χ²/NDF: 46.7/52
- sign -274.427+/-1333.893 χ²/NDF: 19.7/26



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5888.261+/-1.520 χ^2/NDF:542973.2/9

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

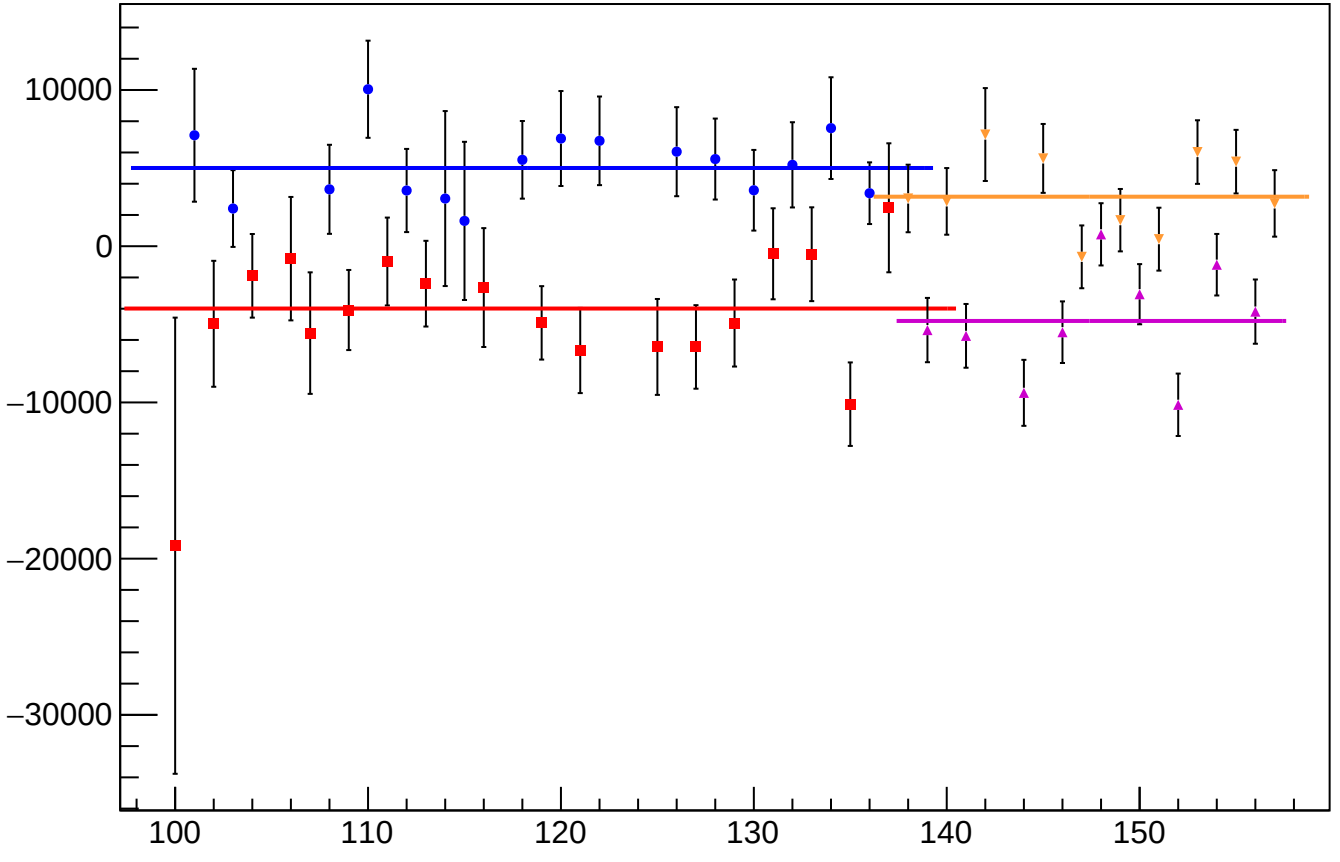
Left In: 5897.101+/-1.518 χ^2/NDF:489630.5/8

+ sign 5045.153+/-0.962 χ^2/NDF: 2418403.7/25

All: 4975.266+/-0.674 χ^2/NDF: 5159683.3/52

- sign 4908.125+/-0.943 χ^2/NDF: 2730938.1/26

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.883+/-674.093 χ^2/NDF:12.3/9

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

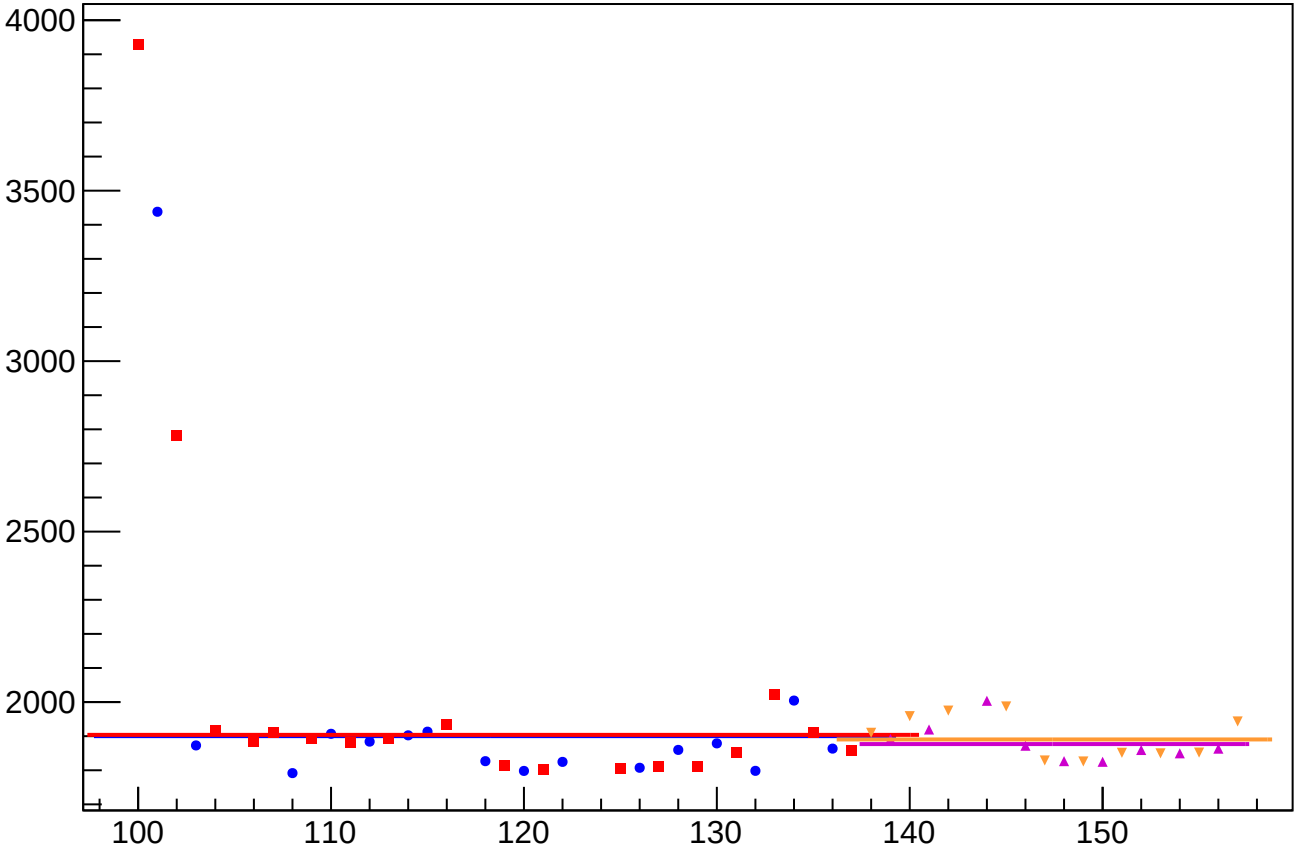
Left In: -4784.472+/-670.547 χ^2/NDF:24.4/8

+ sign 4035.738+/-490.177 χ^2/NDF: 23.5/25

All: -187.552+/-346.683 χ^2/NDF: 214.4/52

- sign -4414.544+/-490.391 χ^2/NDF: 42.4/26

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1890.393+/-0.477 χ^2/NDF:15160.2/9

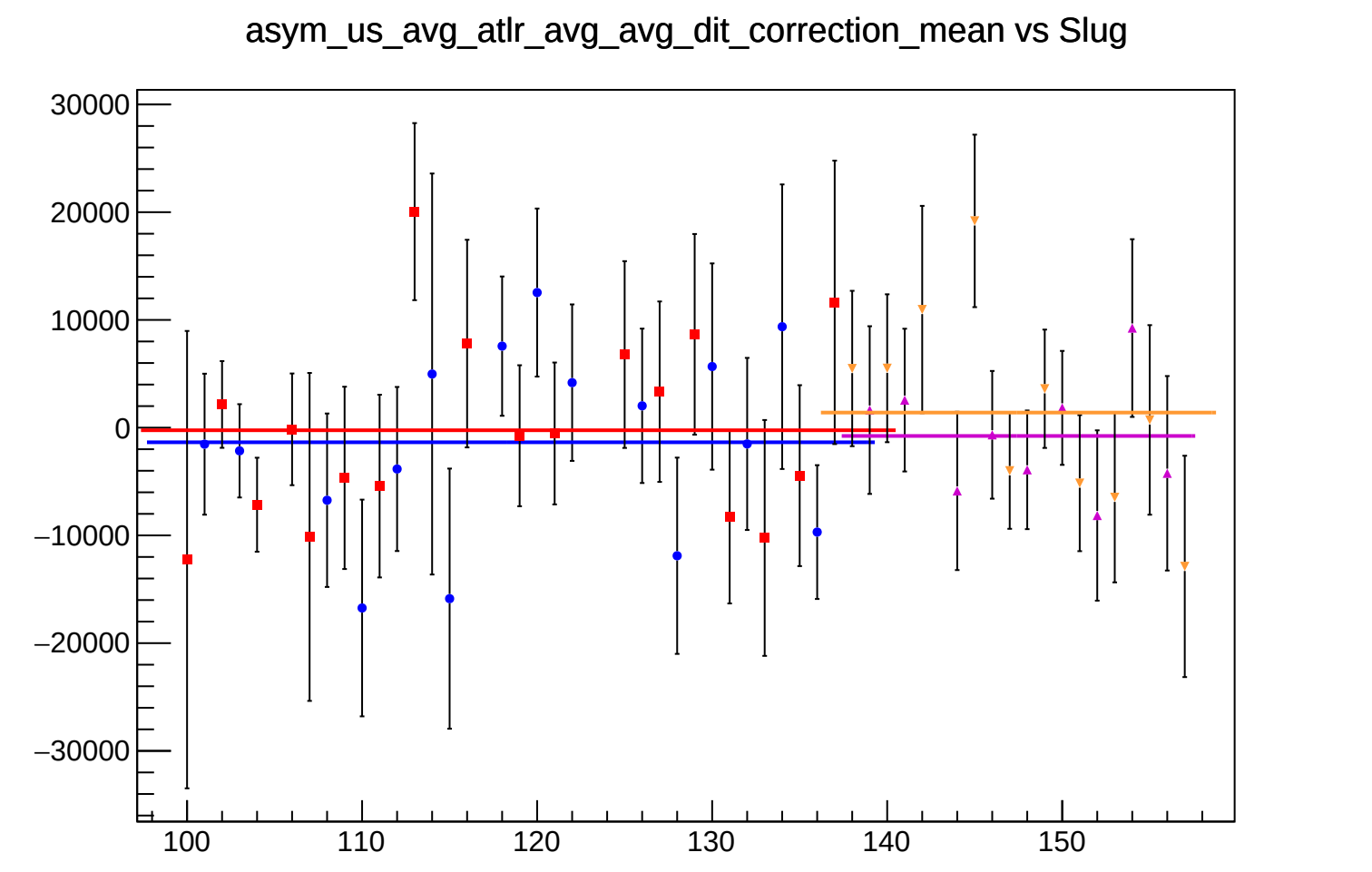
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

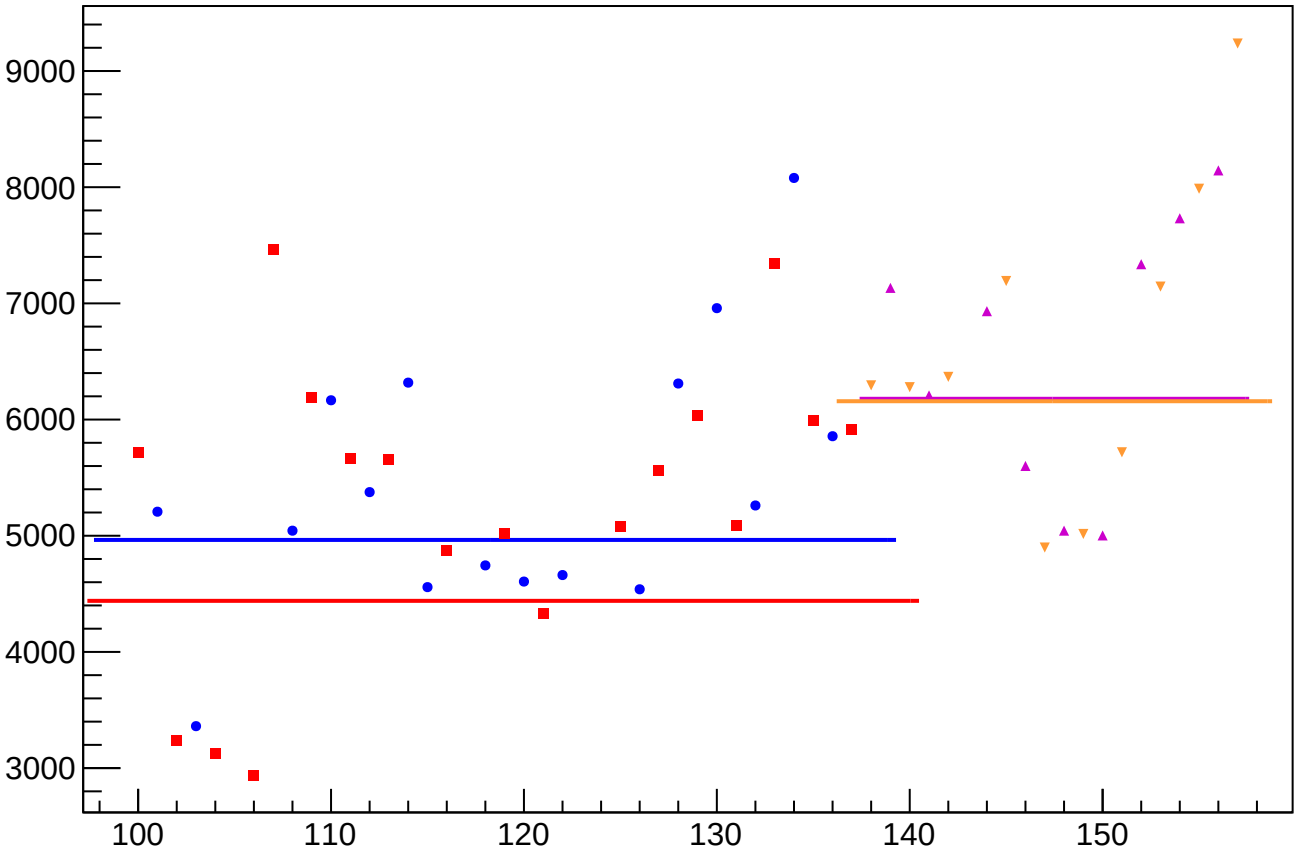
Left In: 1876.825+/-0.474 χ^2/NDF:11558.5/8

+ sign 1894.972+/-0.347 χ^2/NDF: 293804.4/25

All: 1892.186+/-0.245 χ^2/NDF: 457118.3/52

- sign 1889.400+/-0.347 χ^2/NDF: 163184.7/26


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 1399.749+/-2247.382 χ²/NDF:11.8/9
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -769.698+/-2247.152 χ²/NDF:3.9/8
+ sign -210.526+/-1449.165 χ²/NDF: 27.4/25
All: -329.896+/-992.525 χ²/NDF: 47.0/52
- sign -435.362+/-1362.156 χ²/NDF: 19.7/26



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6157.796+/-1.589 χ^2/NDF:538507.3/9

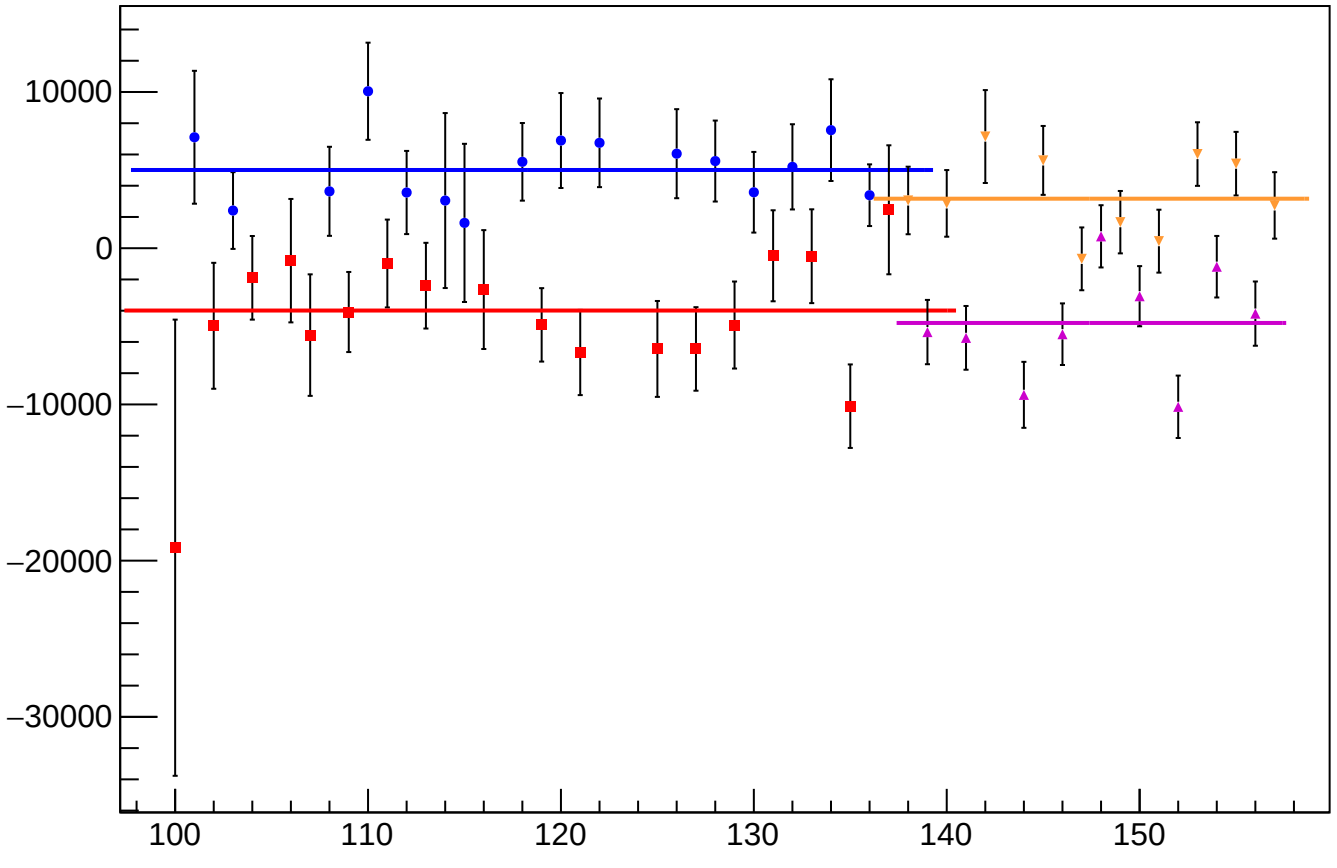
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6178.728+/-1.589 χ^2/NDF:462931.7/8

+ sign 5460.376+/-1.025 χ^2/NDF: 1495570.8/25

All: 5257.724+/-0.702 χ^2/NDF: 3948369.1/52

- sign 5078.676+/-0.963 χ^2/NDF: 2379132.0/26



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3169.881+/-674.093 χ^2/NDF:12.3/9

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

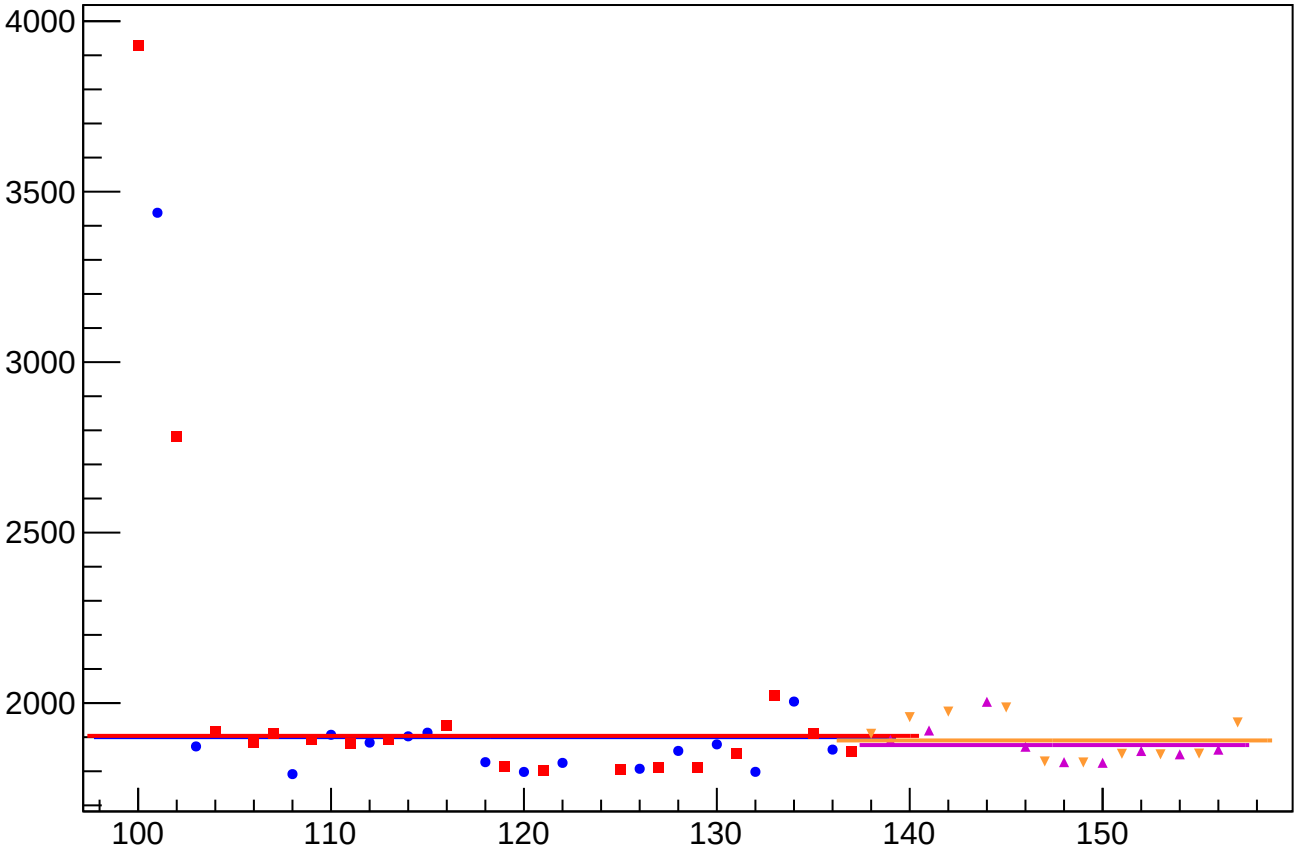
Left In: -4784.471+/-670.547 χ^2/NDF:24.4/8

+ sign 4035.737+/-490.177 χ^2/NDF: 23.5/25

All: -187.552+/-346.683 χ^2/NDF: 214.4/52

- sign -4414.542+/-490.391 χ^2/NDF: 42.4/26

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1890.394+/-0.477 χ^2/NDF:15160.5/9

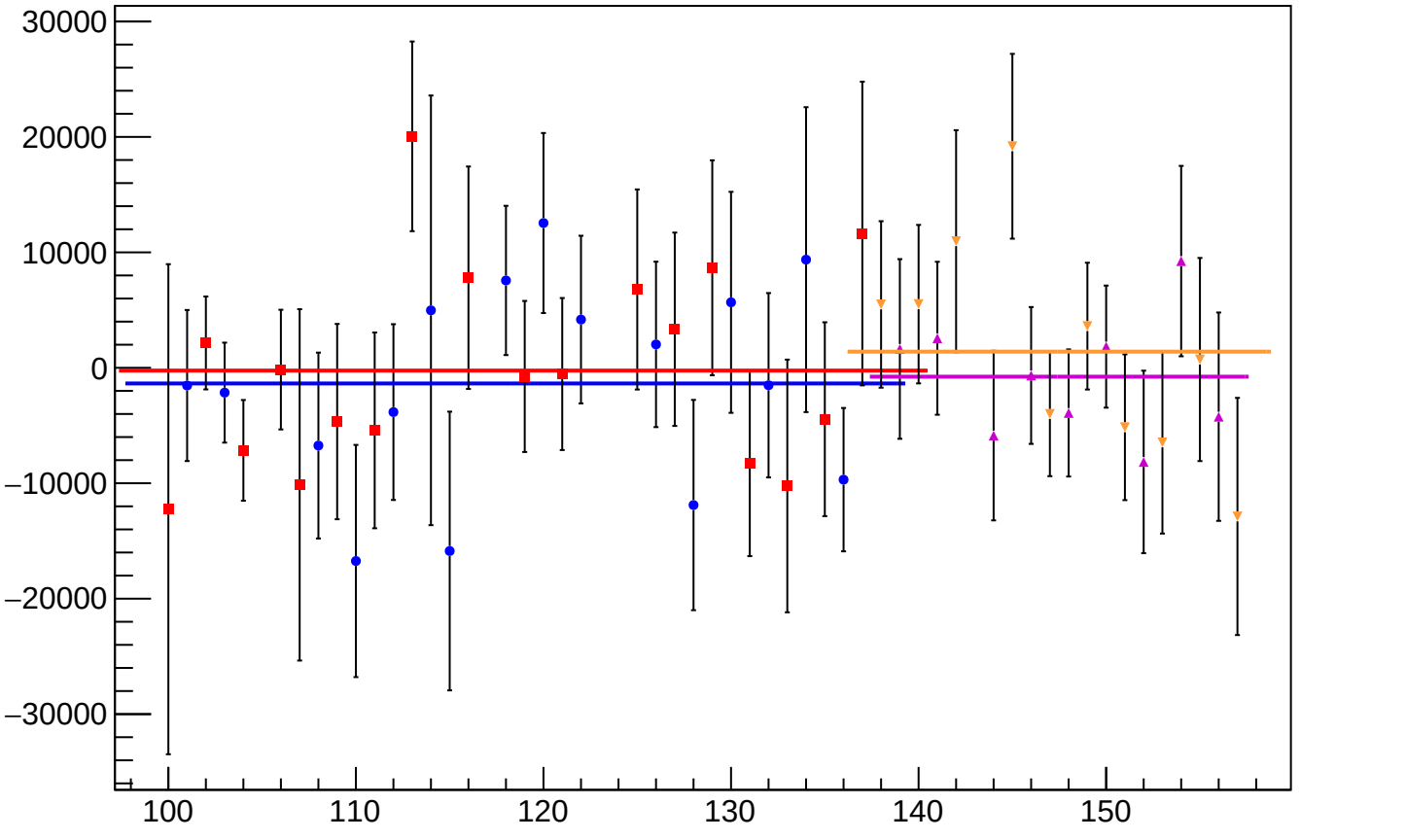
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1876.826+/-0.474 χ^2/NDF:11558.6/8

+ sign 1894.973+/-0.347 χ^2/NDF: 293804.8/25

All: 1892.186+/-0.245 χ^2/NDF: 457117.9/52

- sign 1889.400+/-0.347 χ^2/NDF: 163183.9/26



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 1399.742+/-2247.385 χ^2/NDF:11.8/9

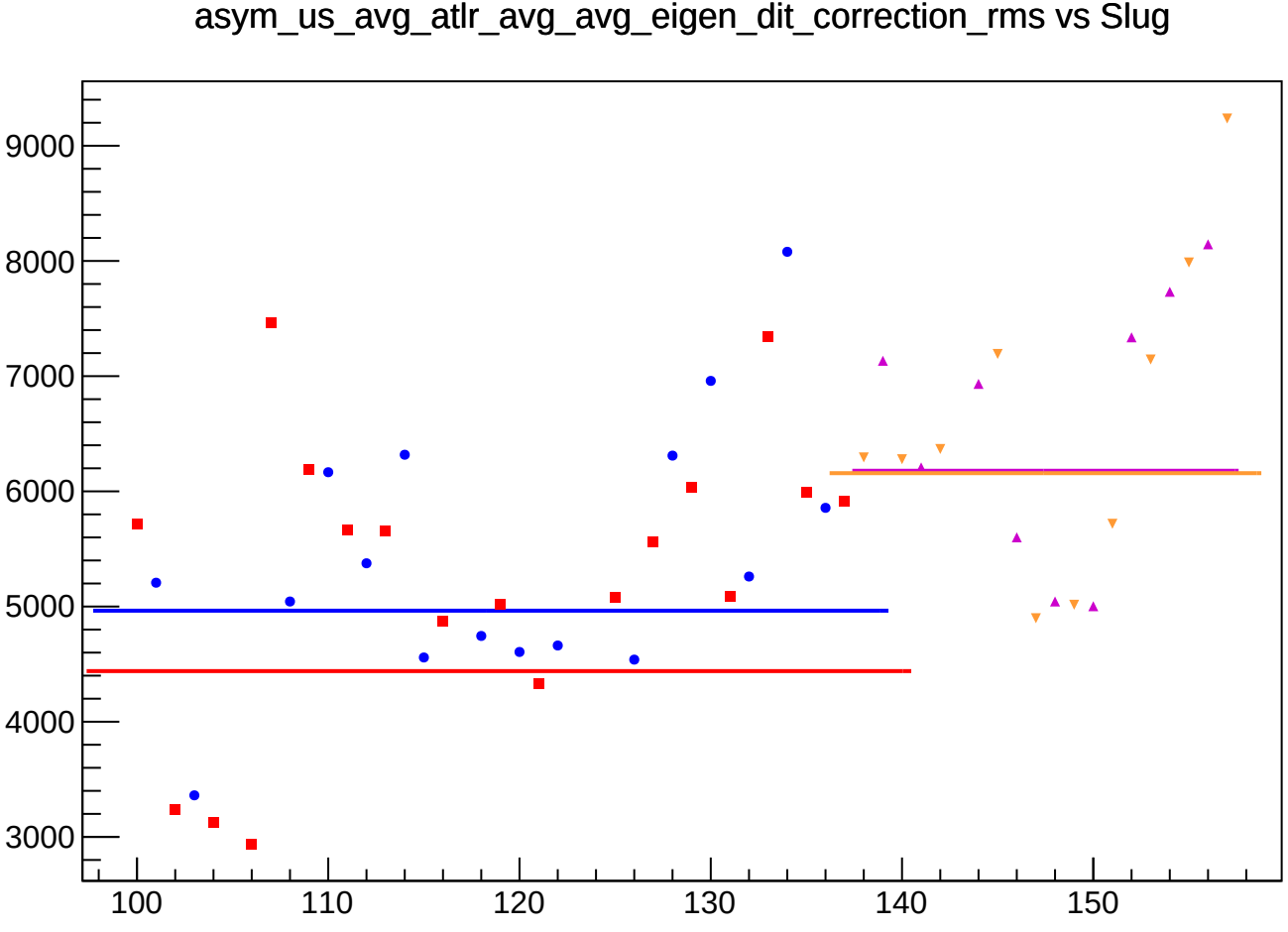
Right Out: -241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: -769.697+/-2247.155 χ^2/NDF:3.9/8

+ sign -210.528+/-1449.164 χ^2/NDF: 27.4/25

All: -329.897+/-992.524 χ^2/NDF: 47.0/52

- sign -435.362+/-1362.154 χ^2/NDF: 19.7/26



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6157.804+/-1.589 χ^2/NDF:538508.6/9

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

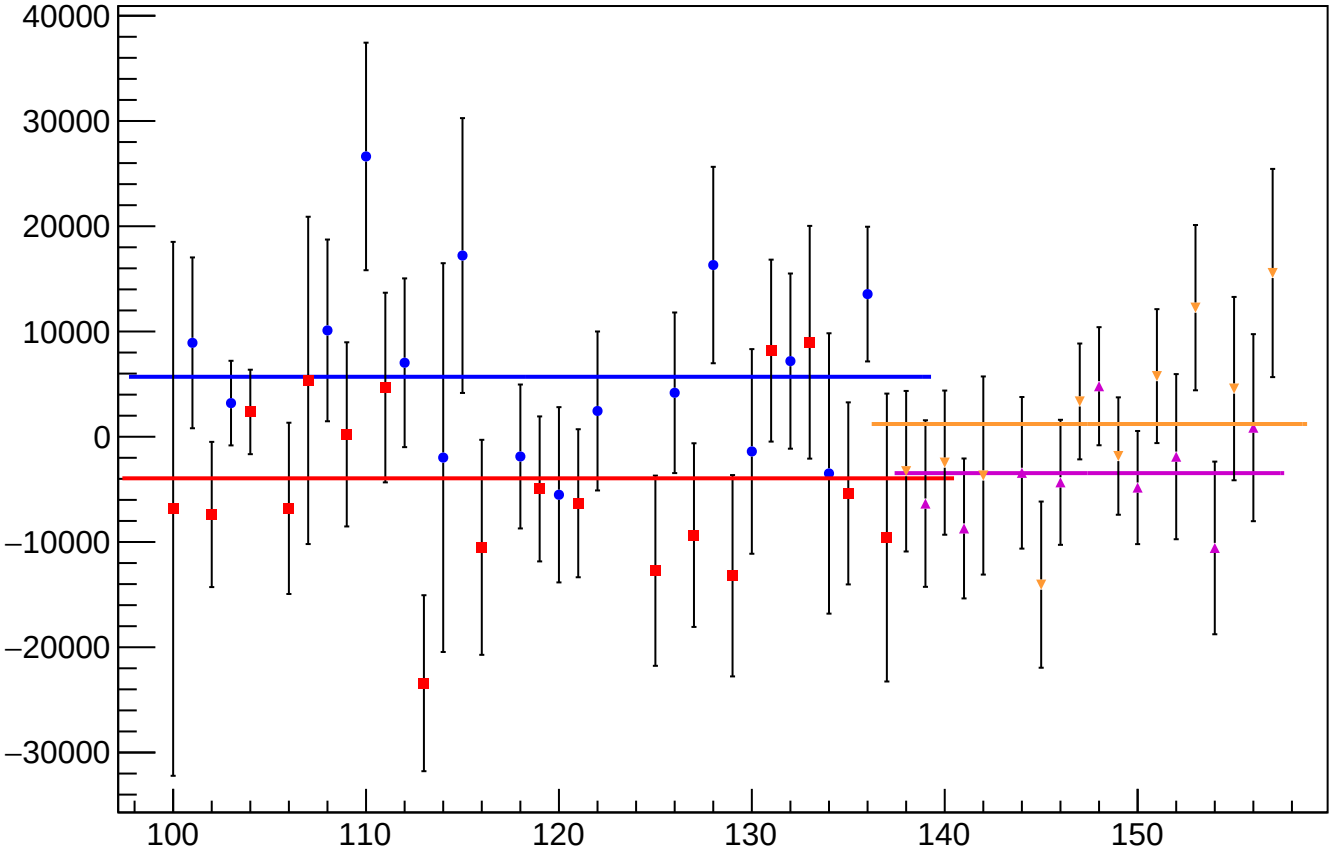
Left In: 6178.737+/-1.589 χ^2/NDF:462932.3/8

+ sign 5460.370+/-1.025 χ^2/NDF: 1495586.5/25

All: 5257.717+/-0.702 χ^2/NDF: 3948402.8/52

- sign 5078.669+/-0.963 χ^2/NDF: 2379149.5/26

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 1210.769+/-2262.612 χ^2/NDF:9.8/9

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

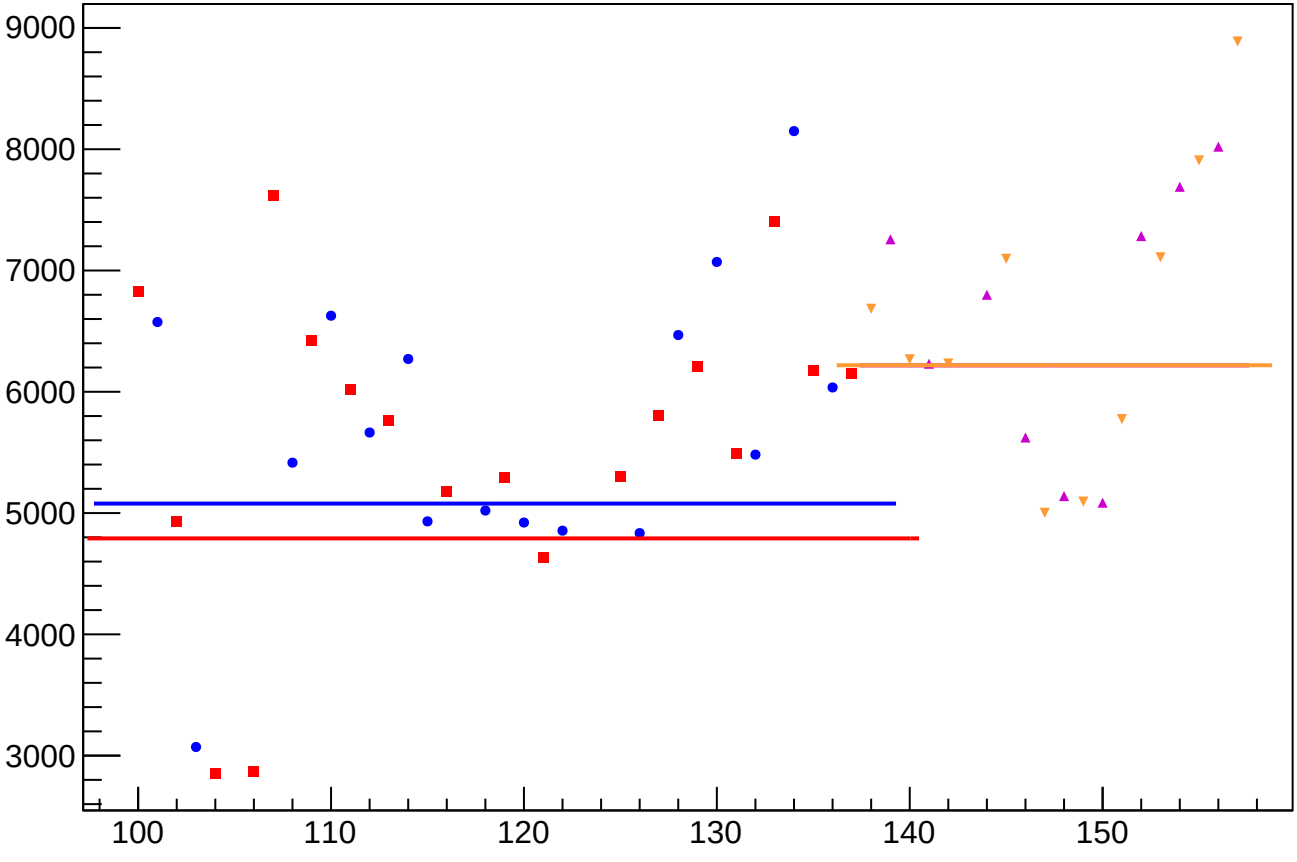
Left In: -3456.188+/-2256.552 χ^2/NDF:4.0/8

\+ sign 3774.752+/-1481.113 χ^2/NDF: 24.7/25

All: -31.092+/-1040.685 χ^2/NDF: 58.0/52

\- sign -3742.205+/-1462.563 χ^2/NDF: 20.2/26

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6218.864+/-1.600 χ^2/NDF:467685.3/9

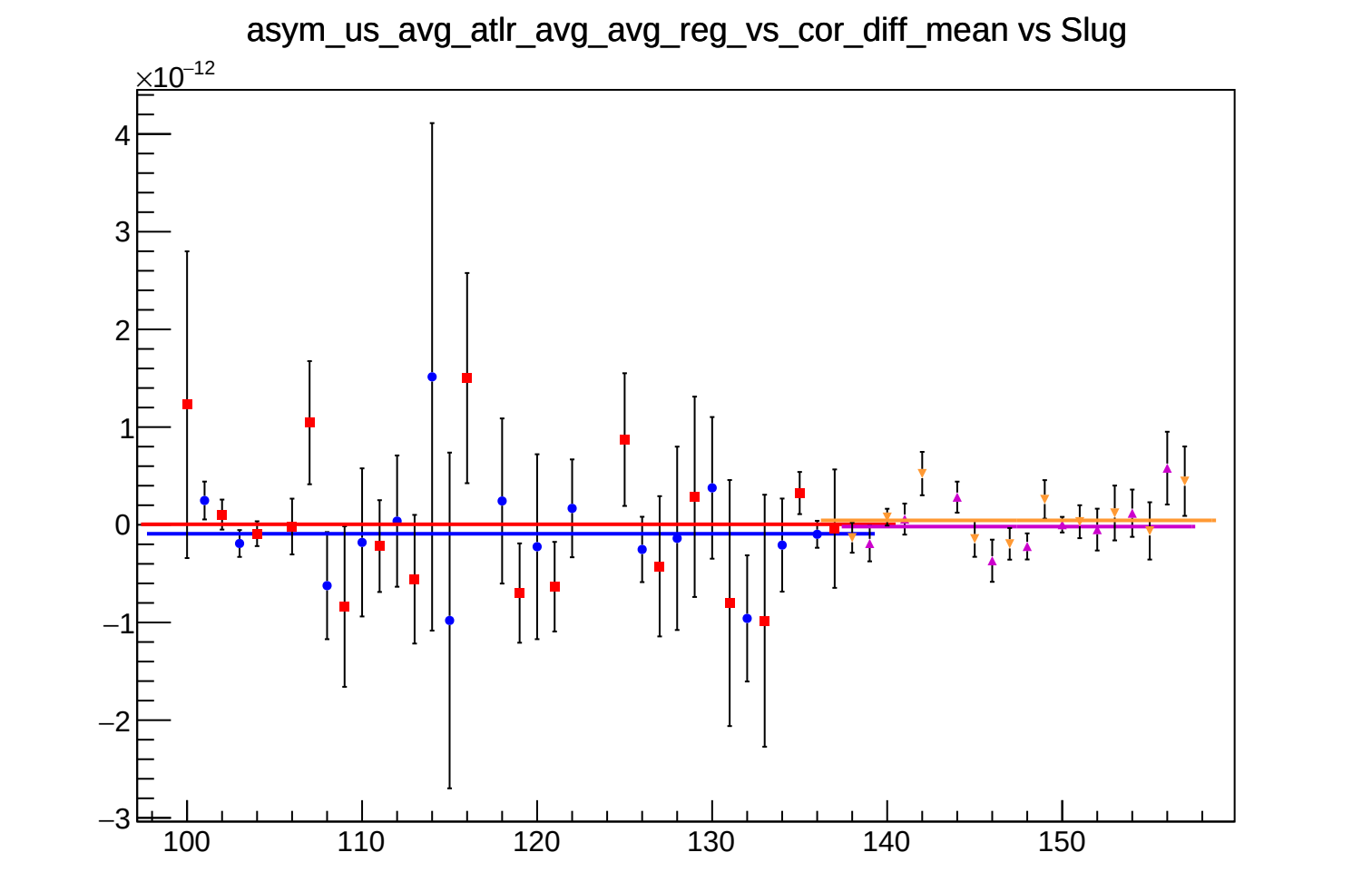
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

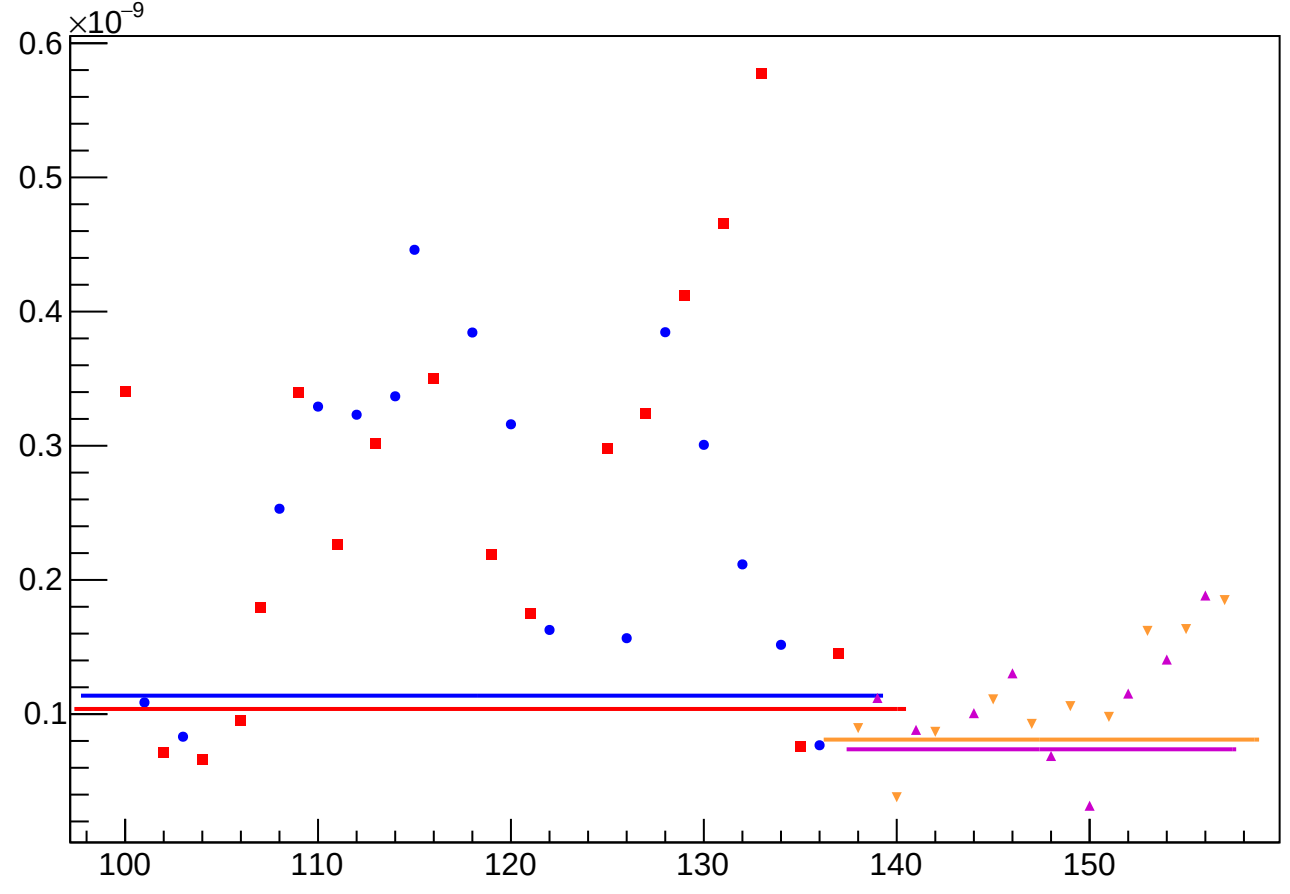
Left In: 6217.465+/-1.596 χ^2/NDF:414009.8/8

+ sign 5566.947+/-1.047 χ^2/NDF: 1677415.5/25

All: 5469.256+/-0.731 χ^2/NDF: 3742133.9/52

- sign 5376.236+/-1.022 χ^2/NDF: 2047732.5/26


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:12.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: -0.000+/-0.000 χ²/NDF:12.6/8
+ sign 0.000+/-0.000 χ²/NDF: 22.3/25
All: -0.000+/-0.000 χ²/NDF: 52.5/52
- sign -0.000+/-0.000 χ²/NDF: 30.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1120041.7/9

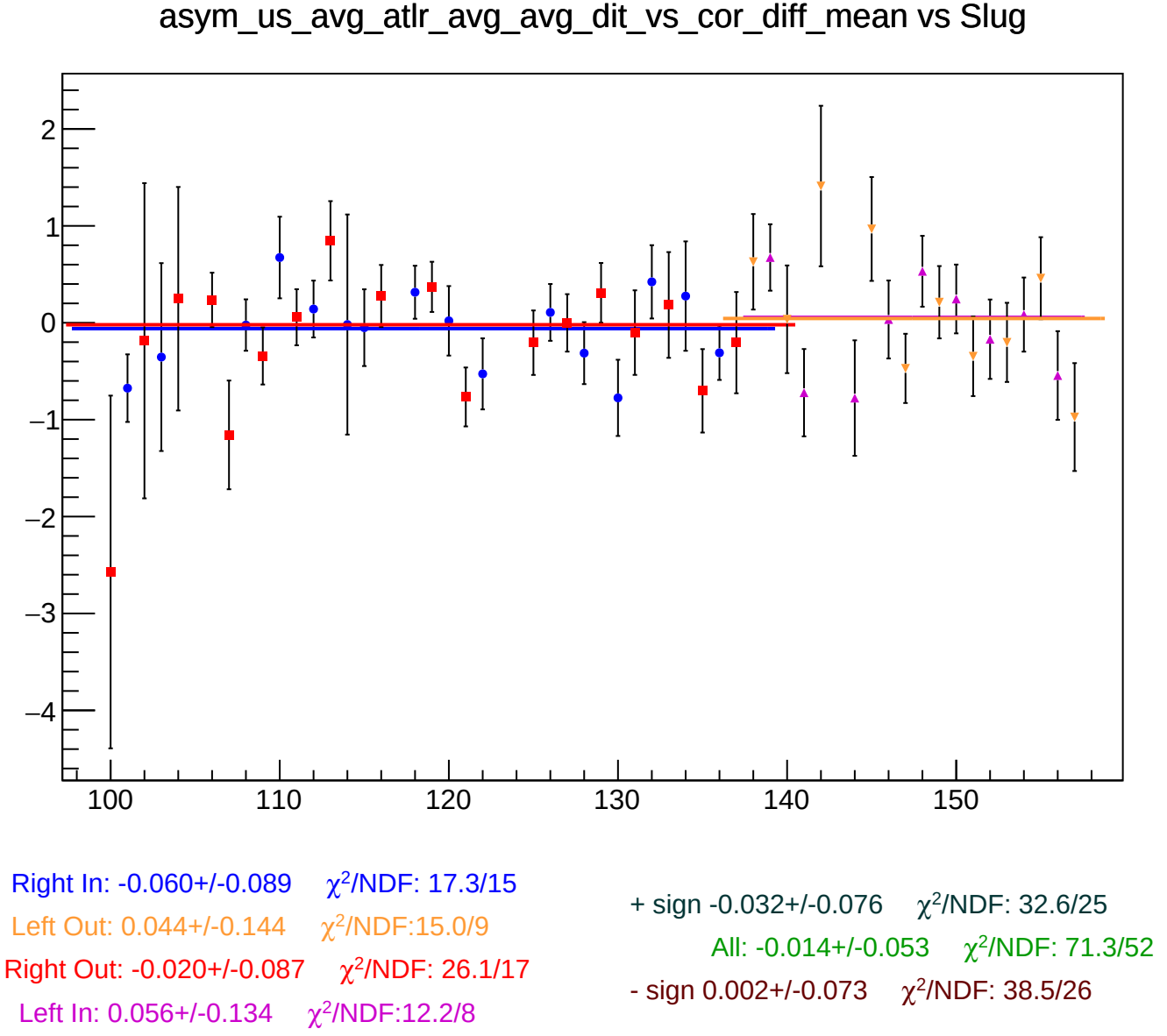
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

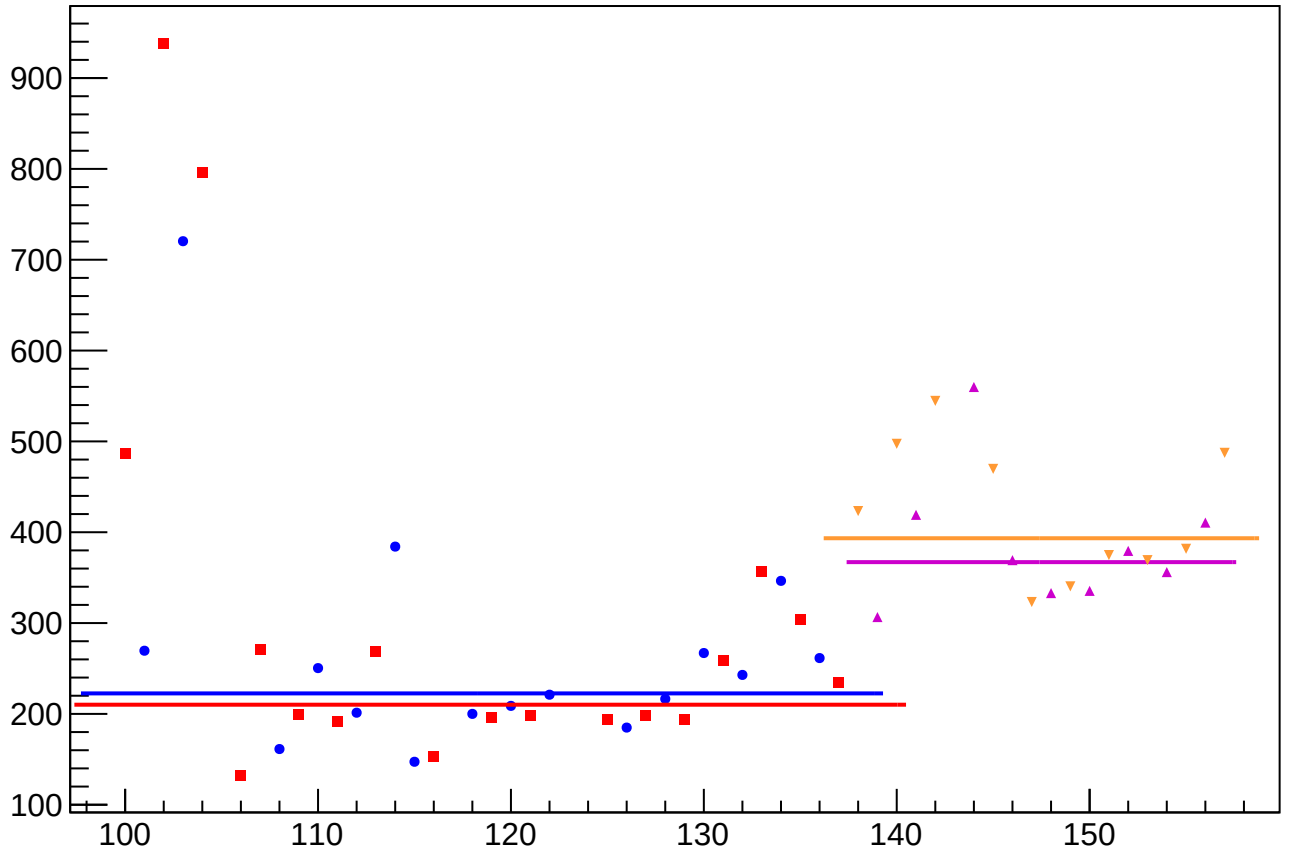
Left In: 0.000+/-0.000 χ^2/NDF:1273911.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 2887260.7/25

All: 0.000+/-0.000 χ^2/NDF: 6499912.2/52

- sign 0.000+/-0.000 χ^2/NDF: 3573617.0/26


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.056+/-0.134 χ²/NDF:12.2/8
+ sign -0.032+/-0.076 χ²/NDF: 32.6/25
All: -0.014+/-0.053 χ²/NDF: 71.3/52
- sign 0.002+/-0.073 χ²/NDF: 38.5/26



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

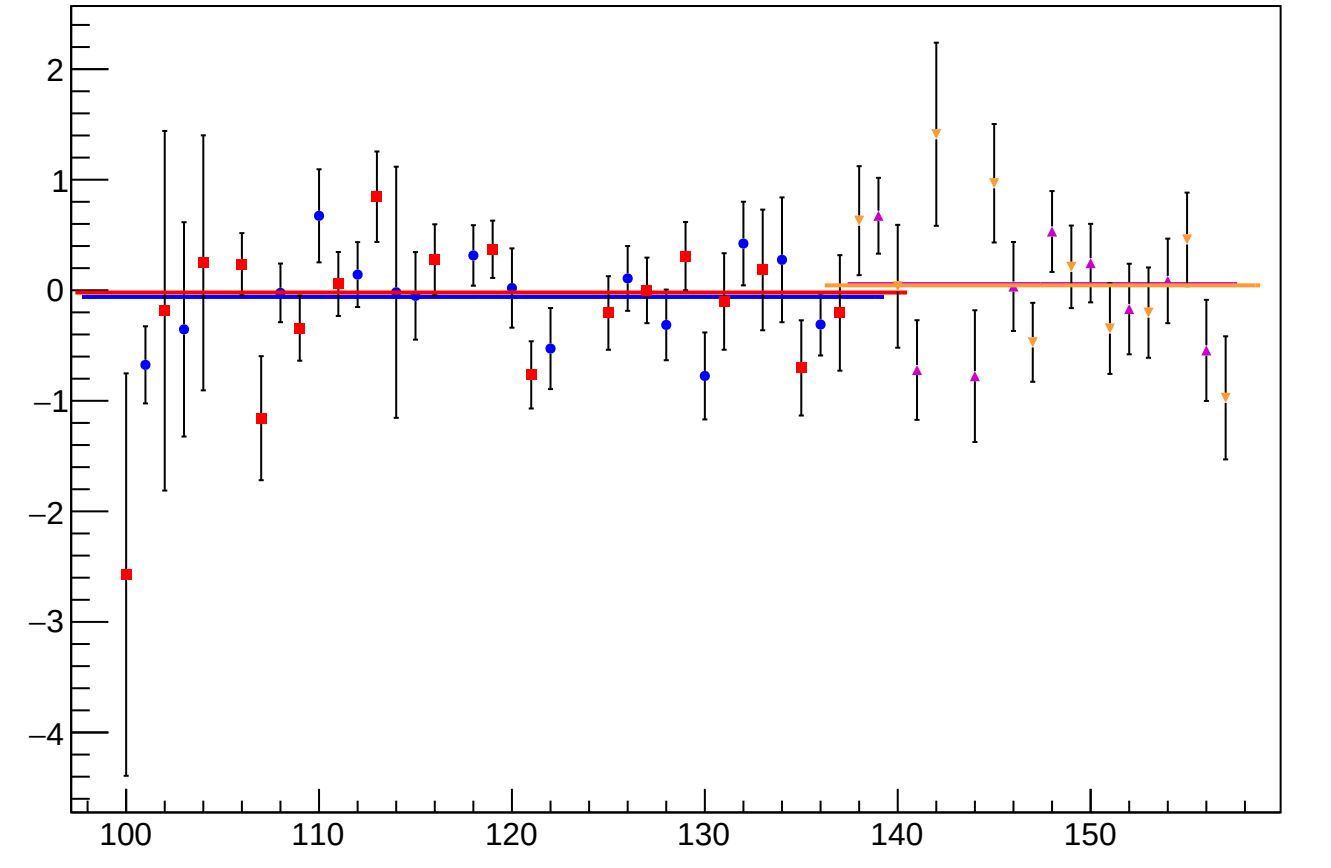
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 367.088+/-0.095 χ^2/NDF:353235.1/8

+ sign 269.392+/-0.053 χ^2/NDF: 3425632.0/25

All: 262.919+/-0.037 χ^2/NDF: 7274049.7/52

- sign 256.828+/-0.052 χ^2/NDF: 3819910.5/26



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.044+/-0.144 χ^2/NDF:15.0/9

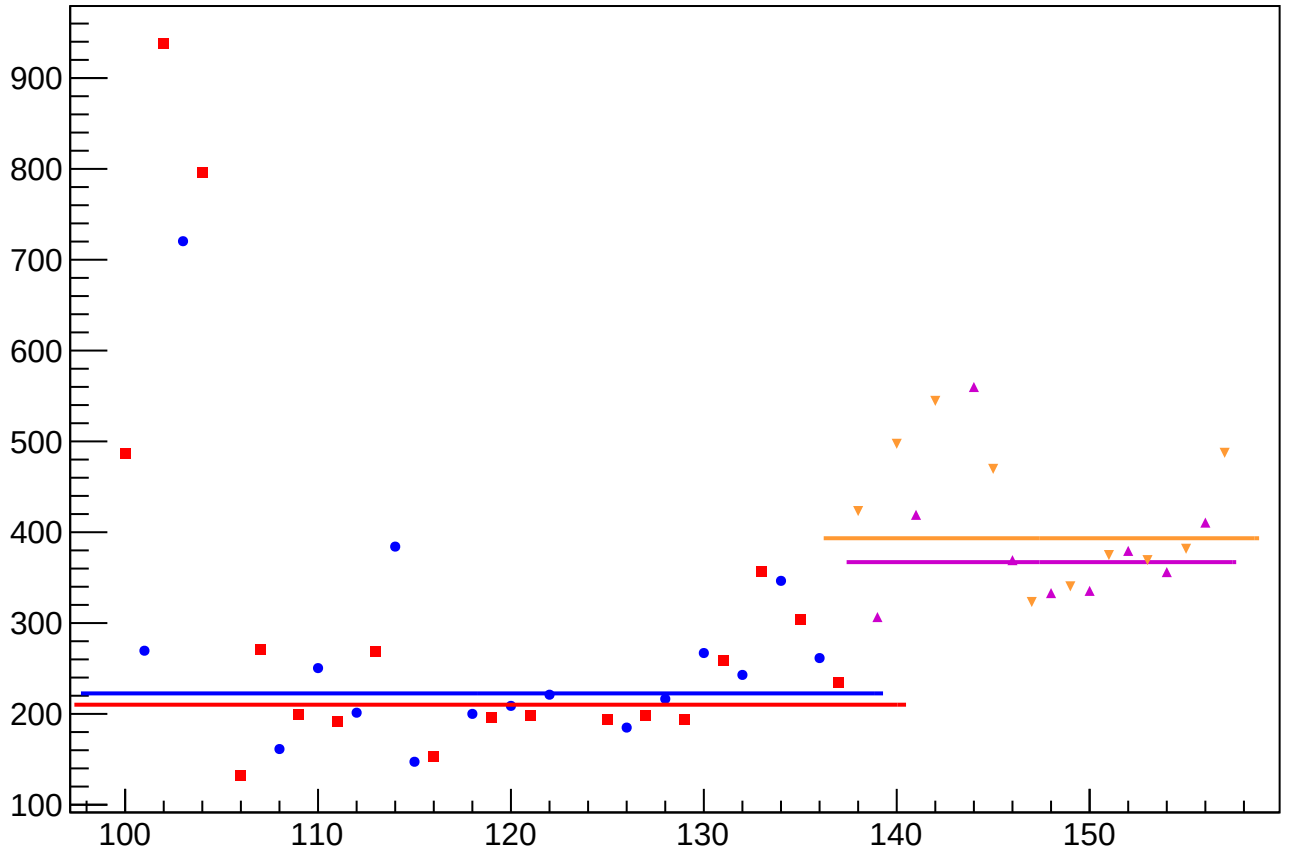
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.056+/-0.134 χ^2/NDF:12.2/8

+ sign -0.032+/-0.076 χ^2/NDF: 32.6/25

All: -0.014+/-0.053 χ^2/NDF: 71.3/52

- sign 0.002+/-0.073 χ^2/NDF: 38.5/26



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 393.383+/-0.102 χ^2/NDF:371766.0/9

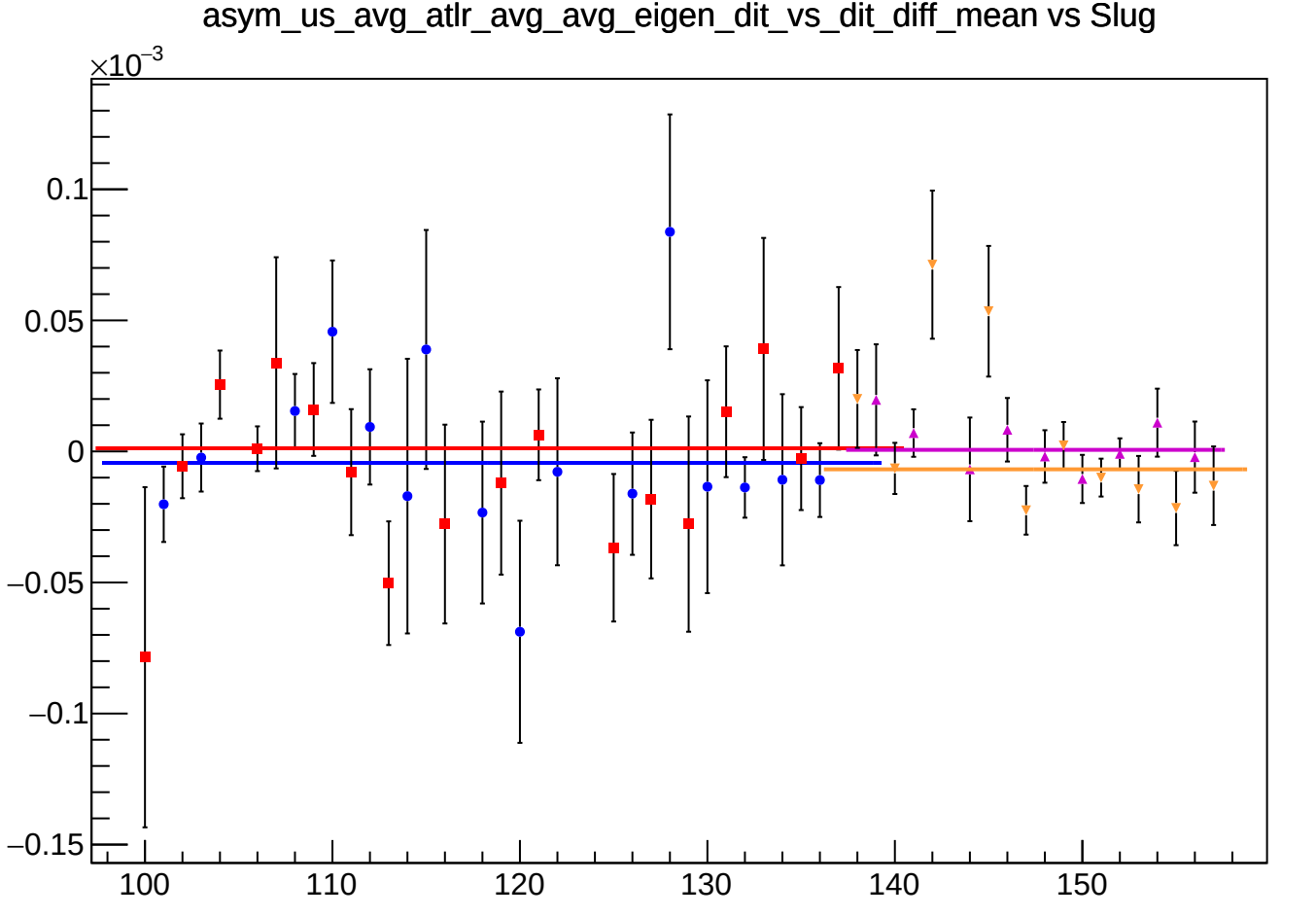
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 367.088+/-0.095 χ^2/NDF:353235.1/8

+ sign 269.392+/-0.053 χ^2/NDF: 3425632.0/25

All: 262.919+/-0.037 χ^2/NDF: 7274049.7/52

- sign 256.828+/-0.052 χ^2/NDF: 3819910.5/26



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/9

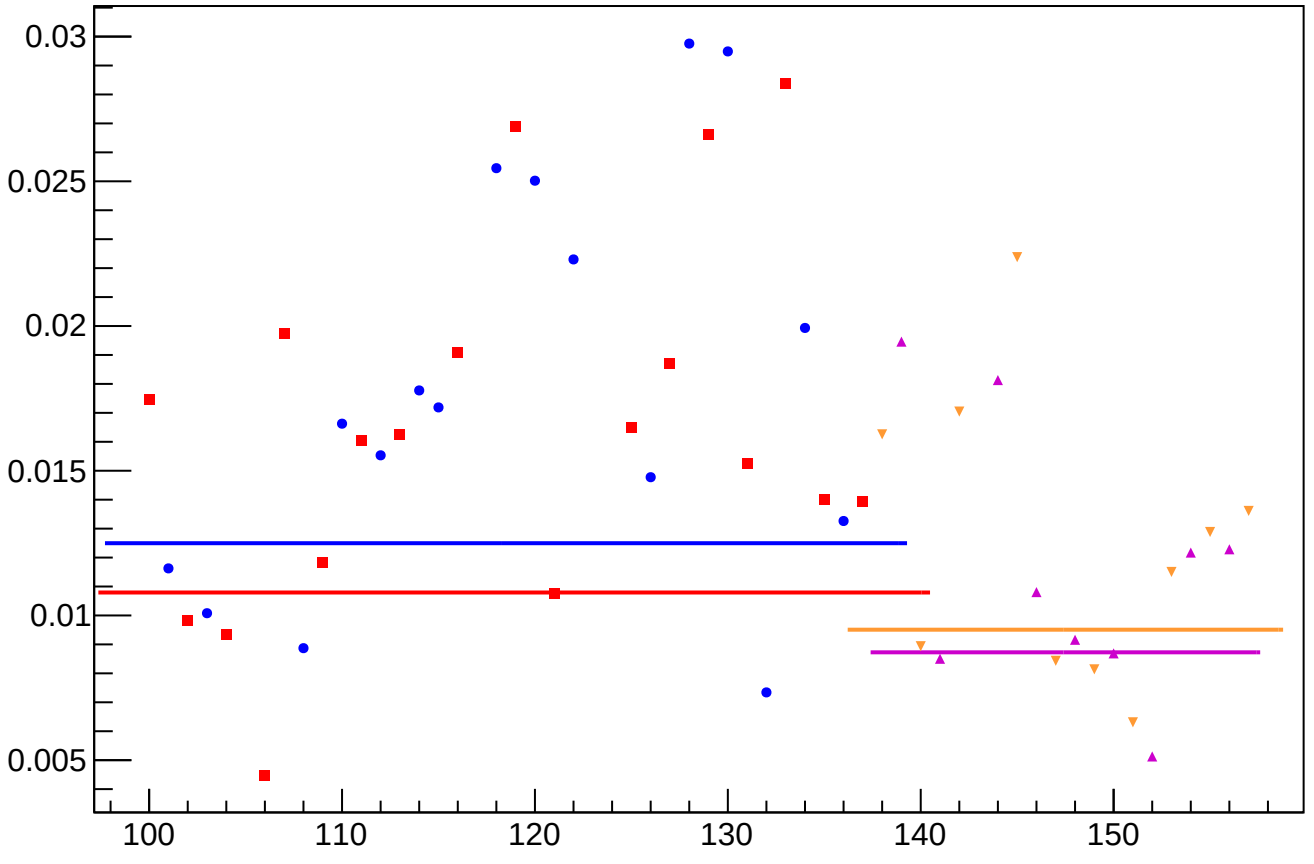
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/25

All: -0.000+/-0.000 χ^2/NDF: 61.3/52

- sign 0.000+/-0.000 χ^2/NDF: 21.4/26



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1722892.4/9

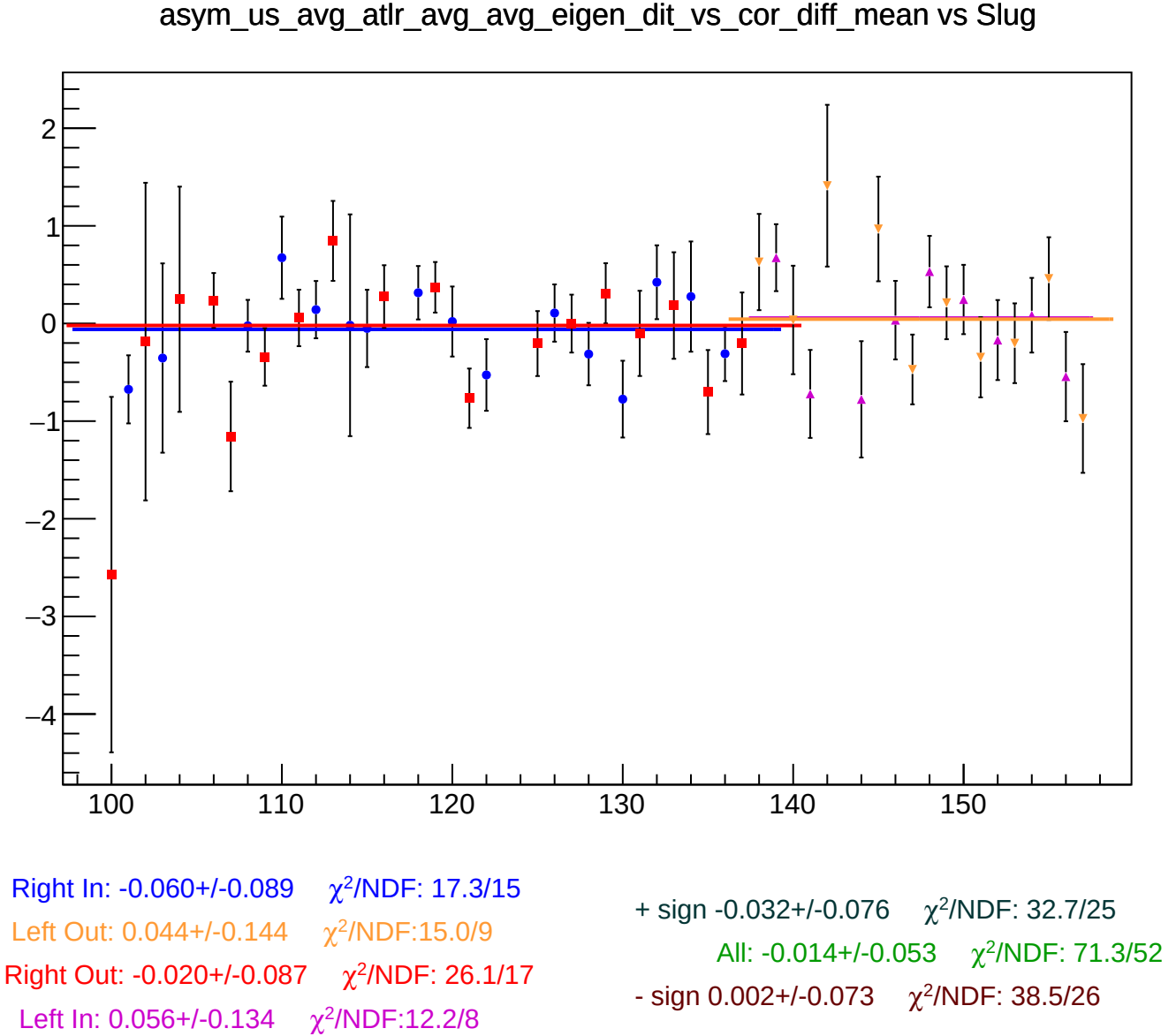
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

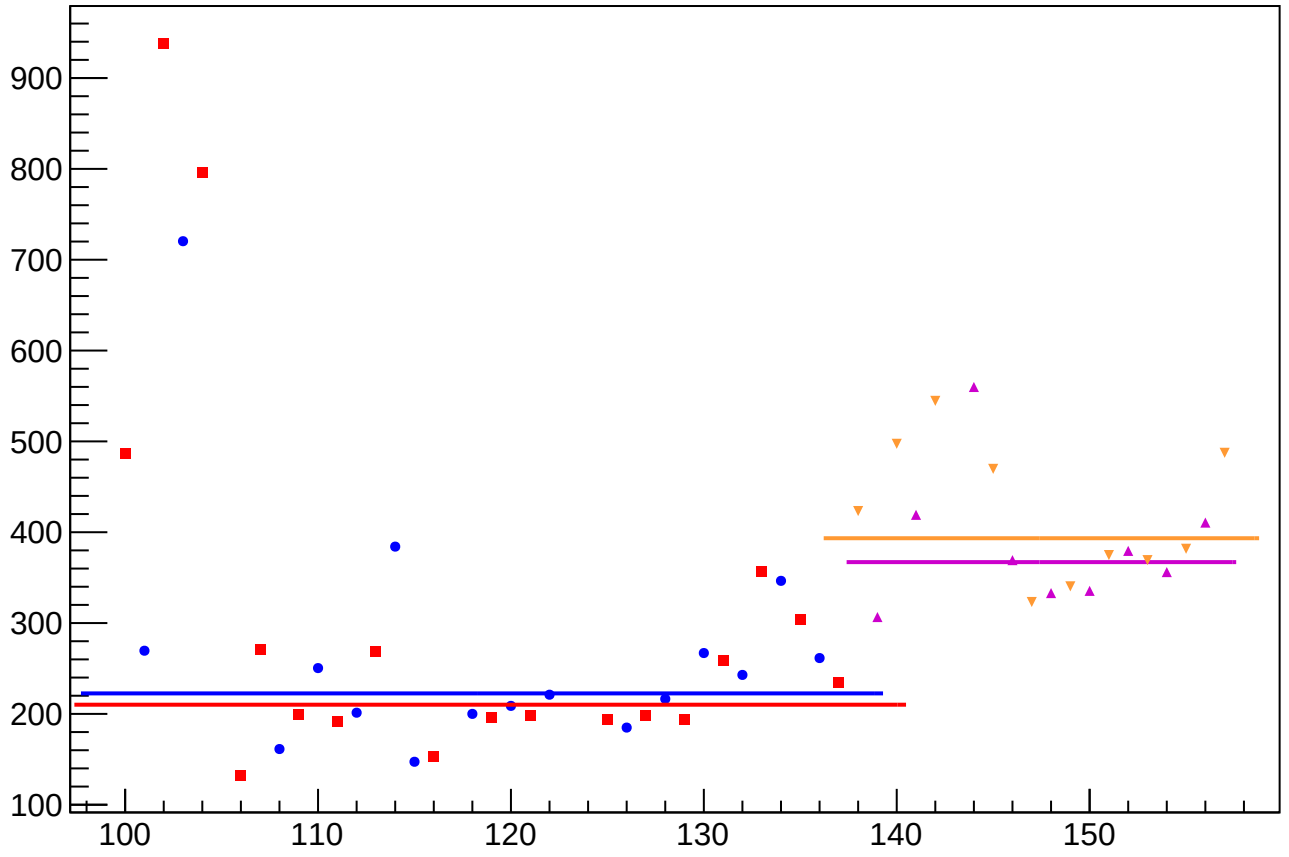
Left In: 0.009+/-0.000 χ^2/NDF:2051020.1/8

+ sign 0.011+/-0.000 χ^2/NDF: 4293931.2/25

All: 0.010+/-0.000 χ^2/NDF: 9731551.9/52

- sign 0.009+/-0.000 χ^2/NDF: 5300059.3/26


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.056+/-0.134 χ²/NDF:12.2/8
+ sign -0.032+/-0.076 χ²/NDF: 32.7/25
All: -0.014+/-0.053 χ²/NDF: 71.3/52
- sign 0.002+/-0.073 χ²/NDF: 38.5/26



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

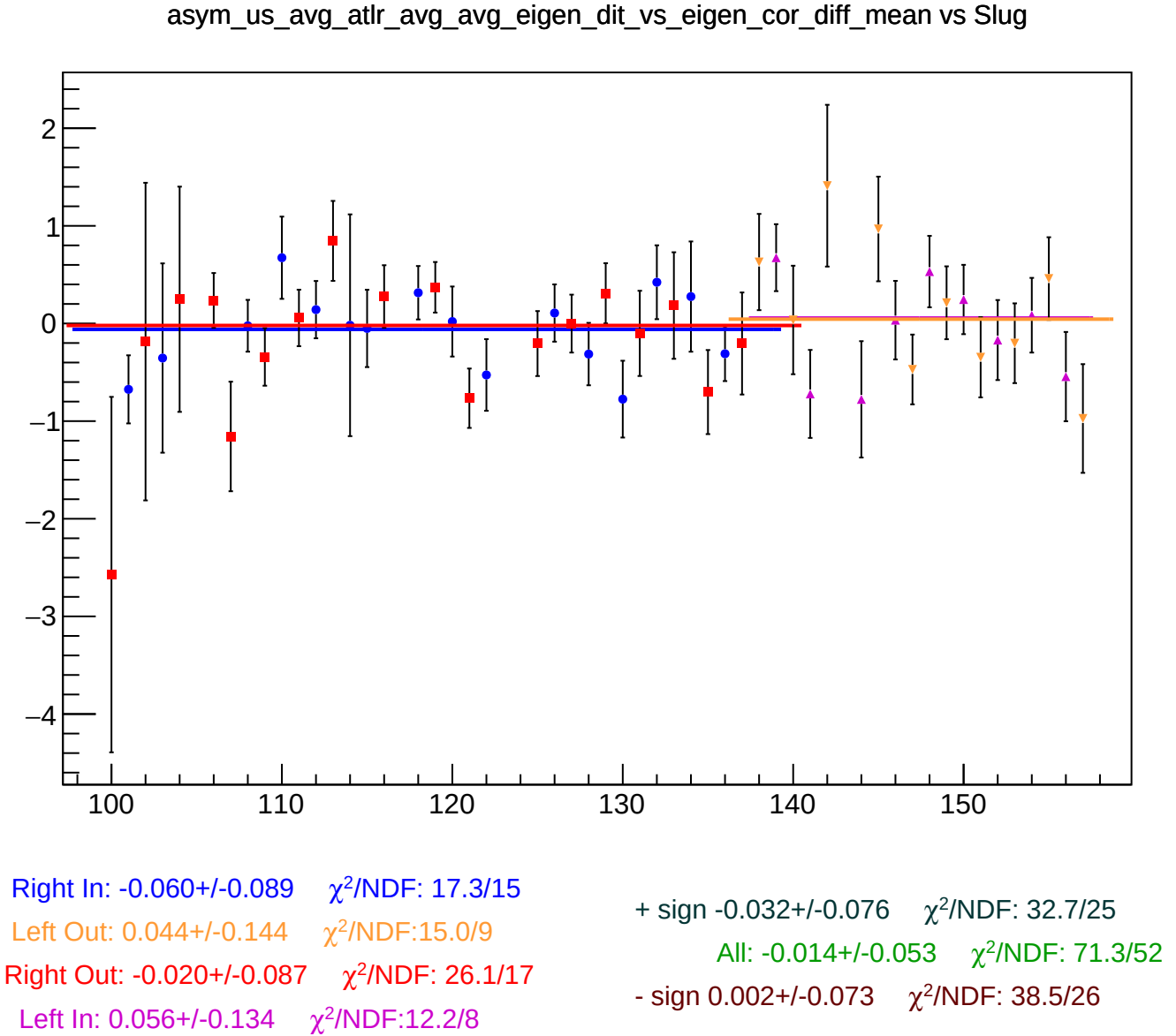
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

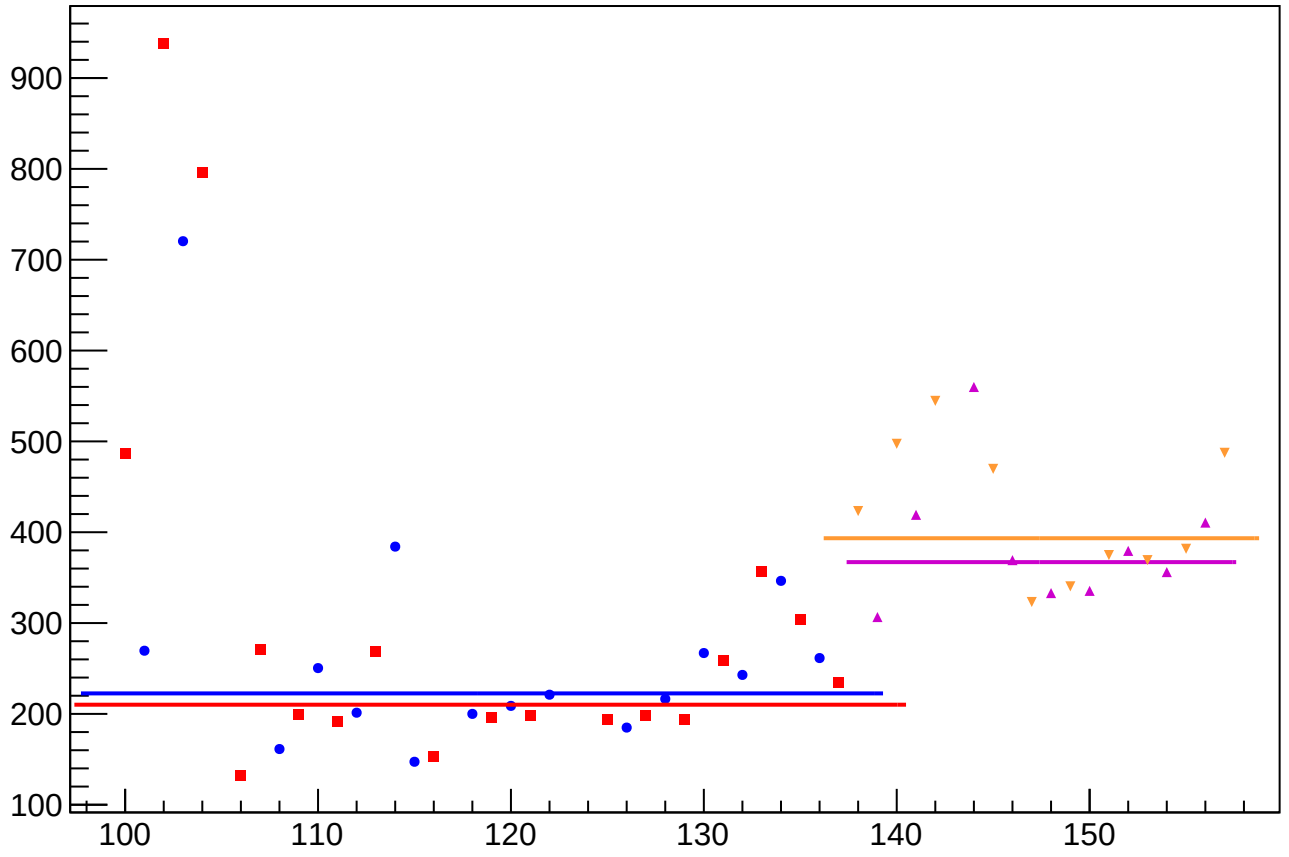
Left In: 367.093+/-0.095 χ^2/NDF:353226.6/8

+ sign 269.391+/-0.053 χ^2/NDF: 3425755.2/25

All: 262.918+/-0.037 χ^2/NDF: 7274319.9/52

- sign 256.826+/-0.052 χ^2/NDF: 3820054.1/26


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.044+/-0.144 χ²/NDF:15.0/9
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.056+/-0.134 χ²/NDF:12.2/8
+ sign -0.032+/-0.076 χ²/NDF: 32.7/25
All: -0.014+/-0.053 χ²/NDF: 71.3/52
- sign 0.002+/-0.073 χ²/NDF: 38.5/26



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 393.388+/-0.102 χ^2/NDF:371769.2/9

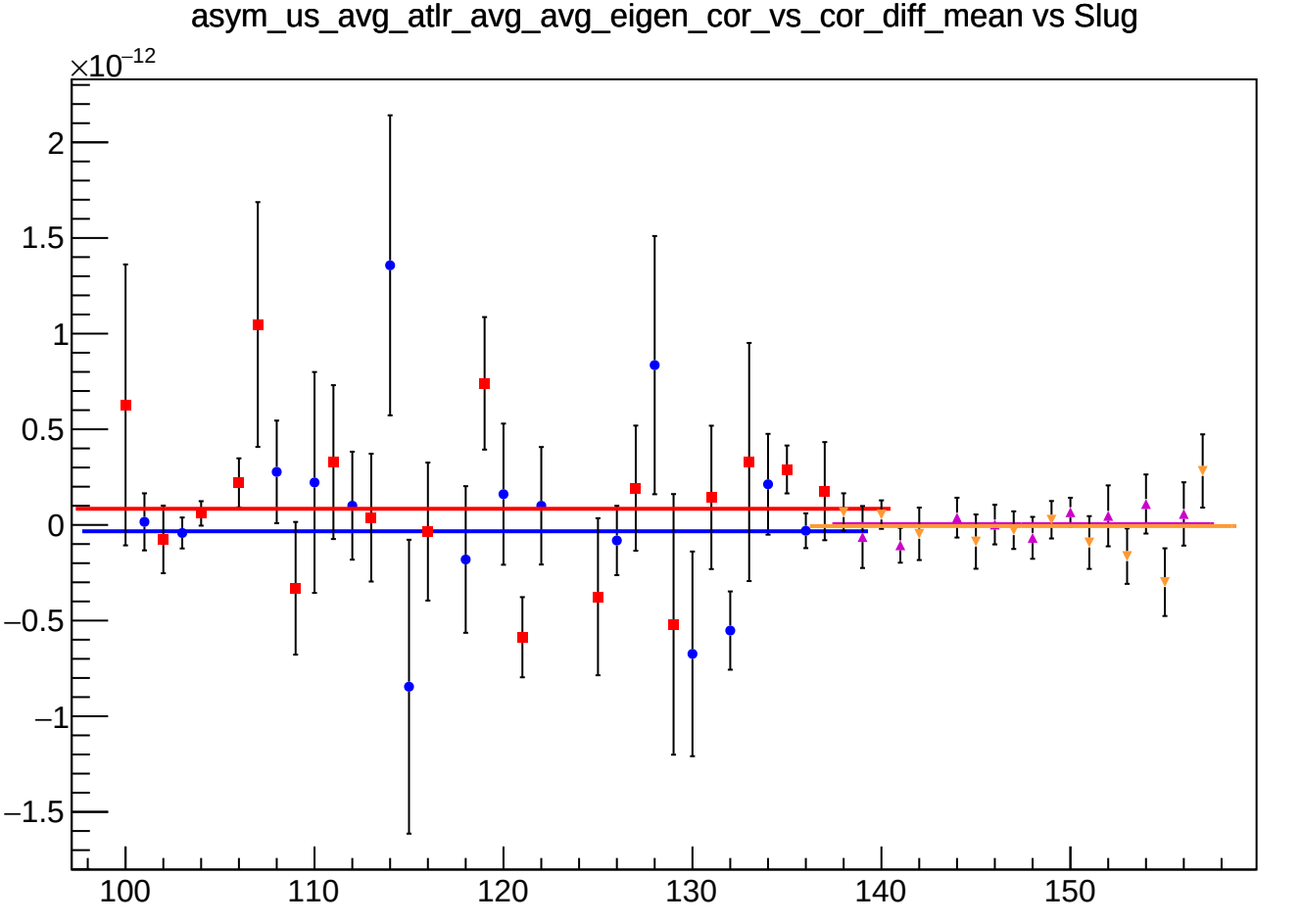
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 367.093+/-0.095 χ^2/NDF:353226.6/8

+ sign 269.391+/-0.053 χ^2/NDF: 3425755.2/25

All: 262.918+/-0.037 χ^2/NDF: 7274319.9/52

- sign 256.826+/-0.052 χ^2/NDF: 3820054.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/9

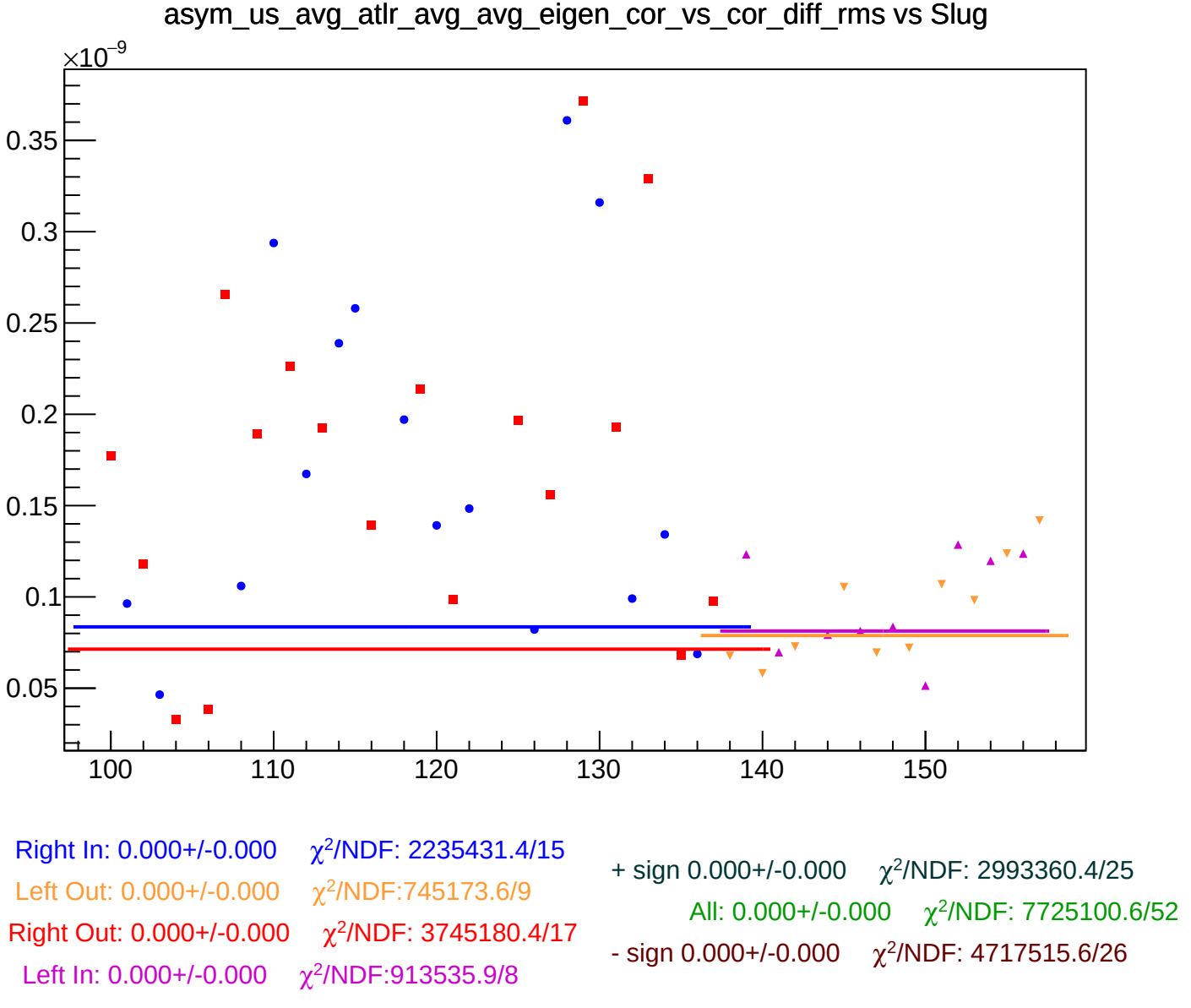
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.5/8

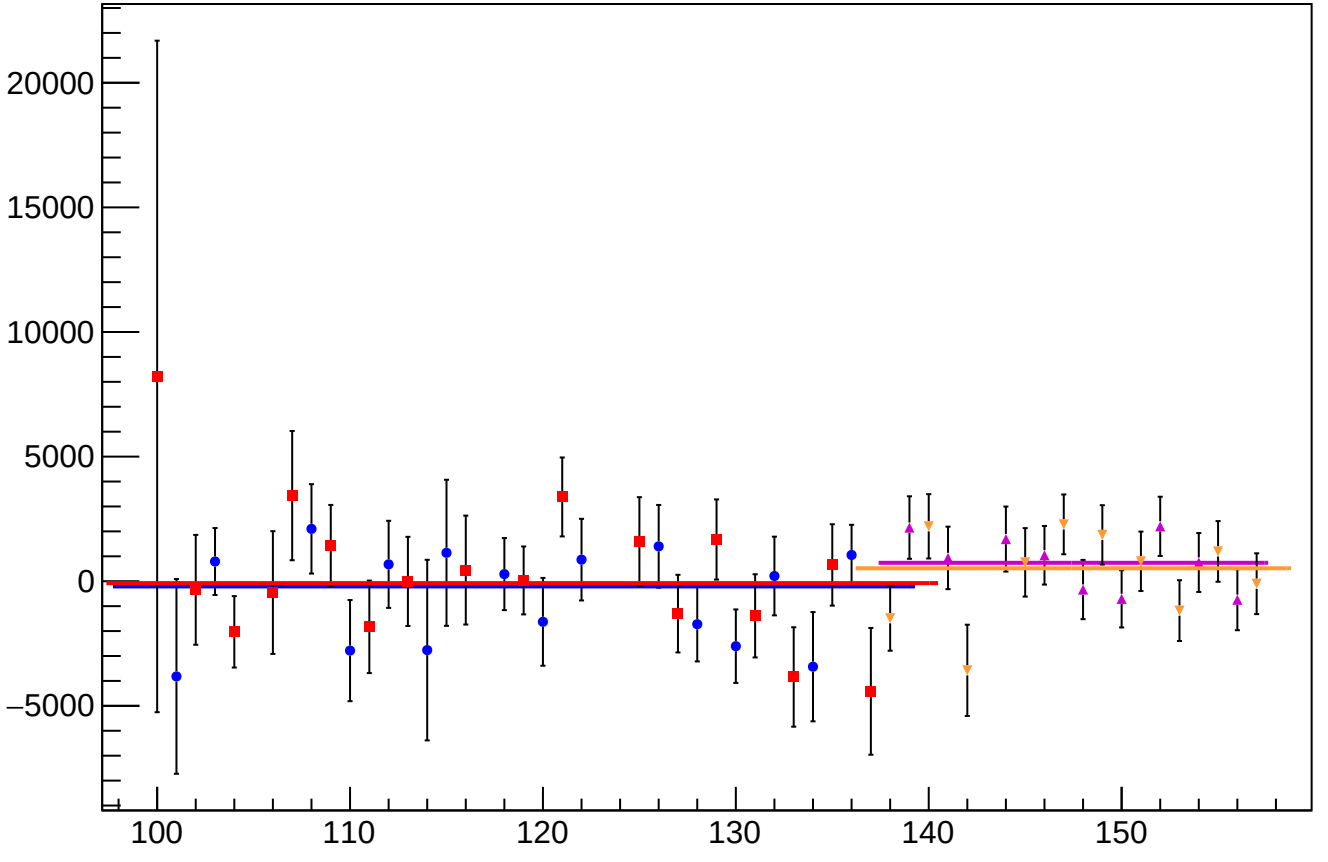
+ sign -0.000+/-0.000 χ^2/NDF: 25.8/25

All: 0.000+/-0.000 χ^2/NDF: 58.8/52

- sign 0.000+/-0.000 χ^2/NDF: 31.3/26


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:745173.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:913535.9/8
+ sign 0.000+/-0.000 χ²/NDF: 2993360.4/25
All: 0.000+/-0.000 χ²/NDF: 7725100.6/52
- sign 0.000+/-0.000 χ²/NDF: 4717515.6/26

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.120+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

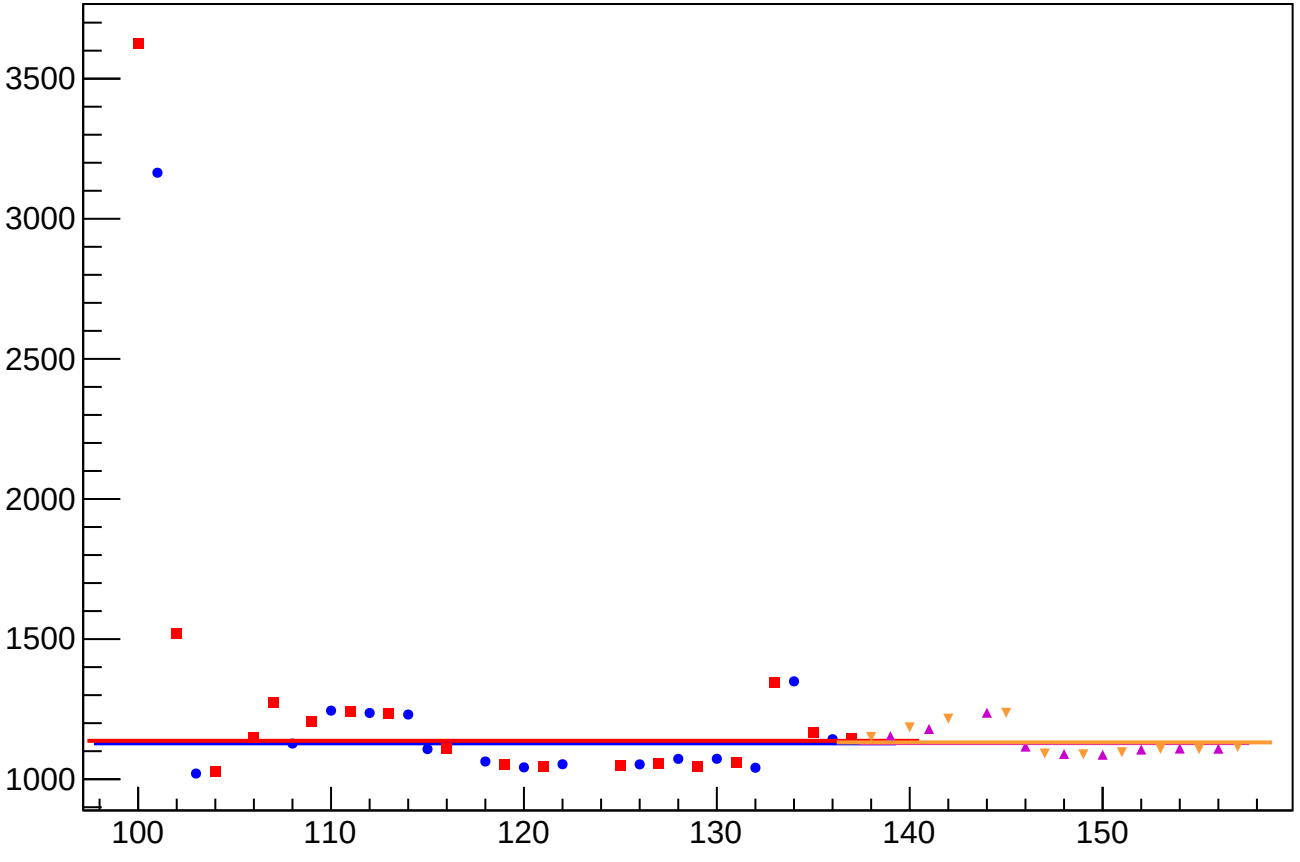
Left In: 739.576+/-403.469 χ^2/NDF:7.3/8

+ sign 177.756+/-293.981 χ^2/NDF: 31.4/25

All: 268.037+/-208.049 χ^2/NDF: 61.4/52

- sign 358.620+/-294.471 χ^2/NDF: 29.8/26

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

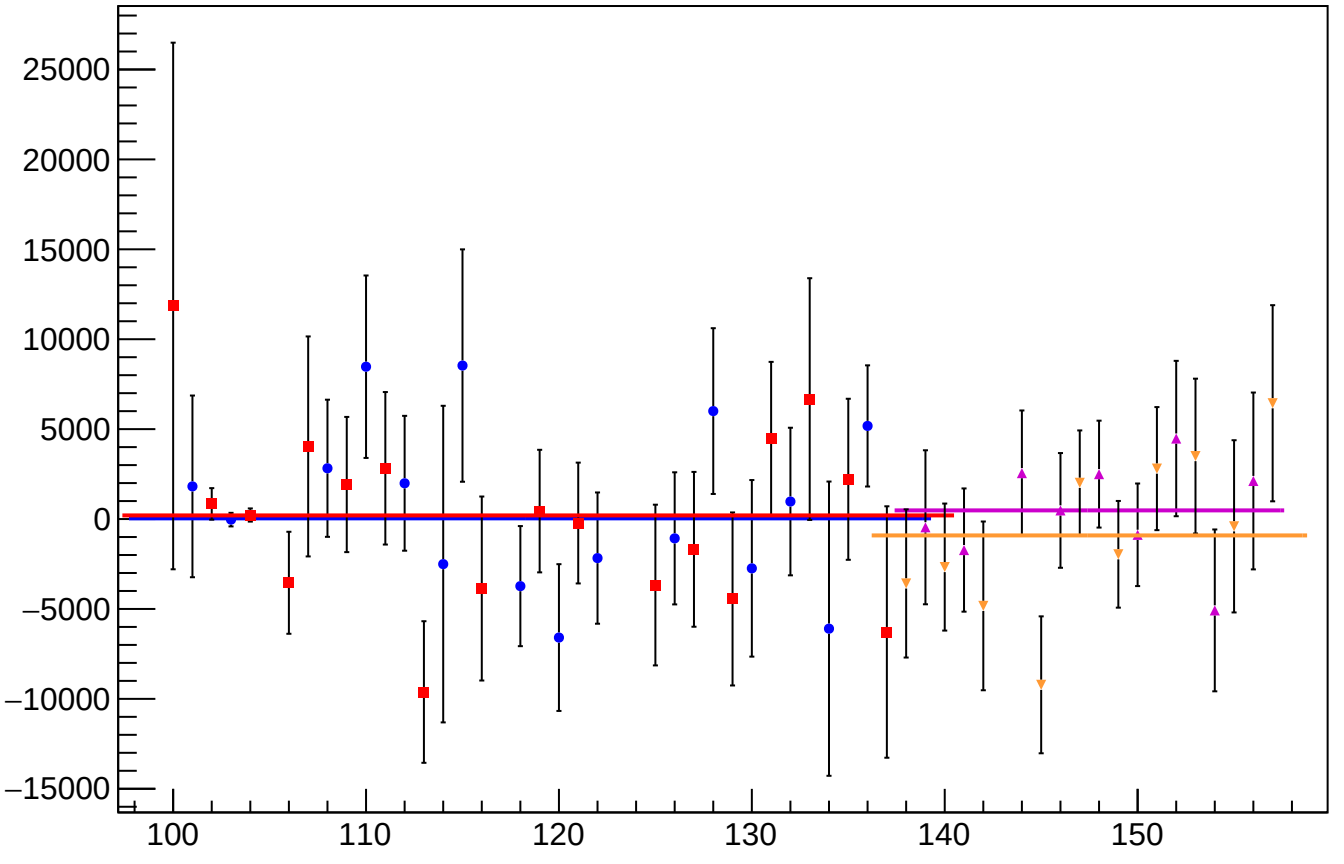
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1128.909+/-0.285 χ^2/NDF:24637.5/8

+ sign 1129.774+/-0.208 χ^2/NDF: 649843.6/25

All: 1131.244+/-0.147 χ^2/NDF: 895047.7/52

- sign 1132.717+/-0.208 χ^2/NDF: 245104.0/26



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -910.935+/-1194.033 χ^2/NDF:11.3/9

Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

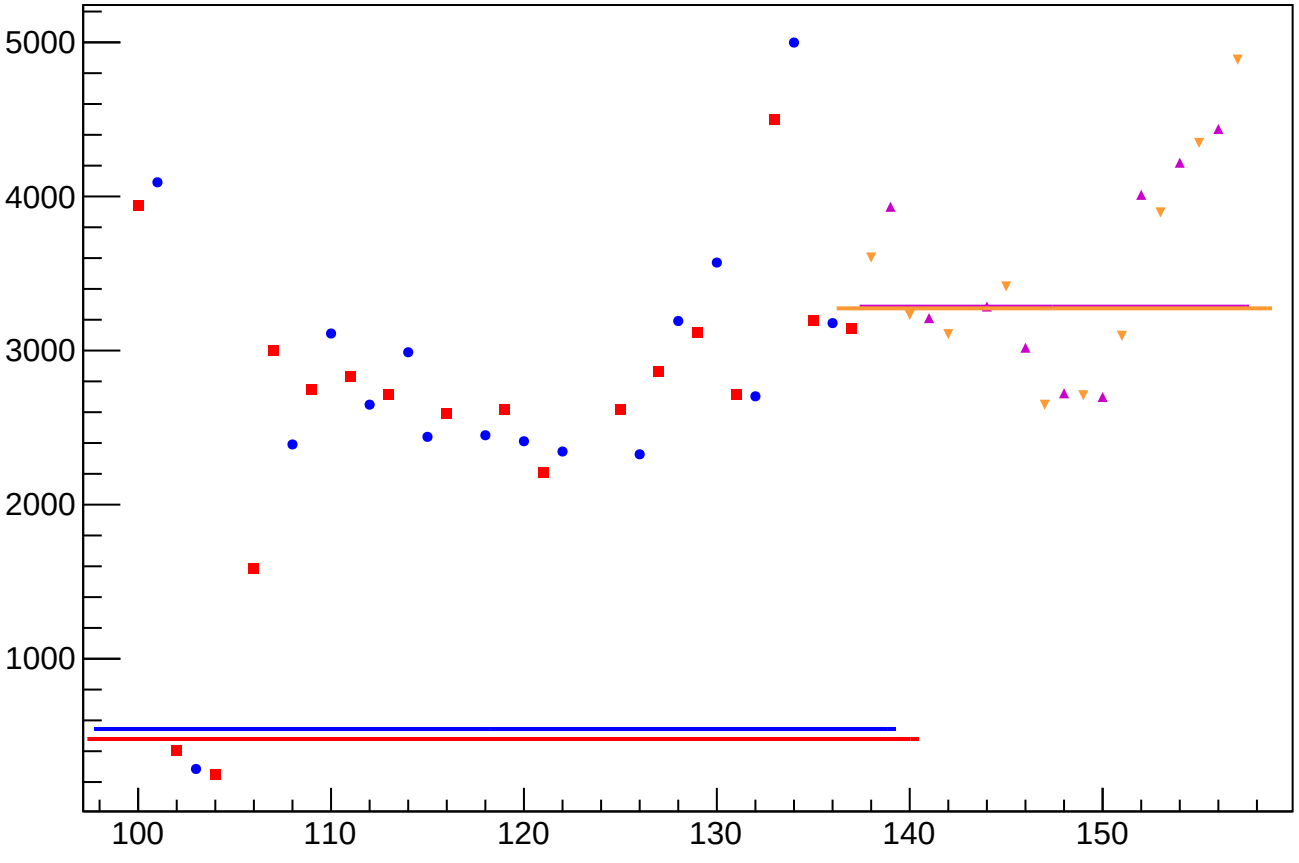
Left In: 481.455+/-1194.573 χ^2/NDF:4.0/8

+ sign -39.853+/-342.612 χ^2/NDF: 26.7/25

All: 102.808+/-230.437 χ^2/NDF: 46.7/52

- sign 220.655+/-311.394 χ^2/NDF: 19.7/26

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3273.847+/-0.844 χ^2/NDF:505889.1/9

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

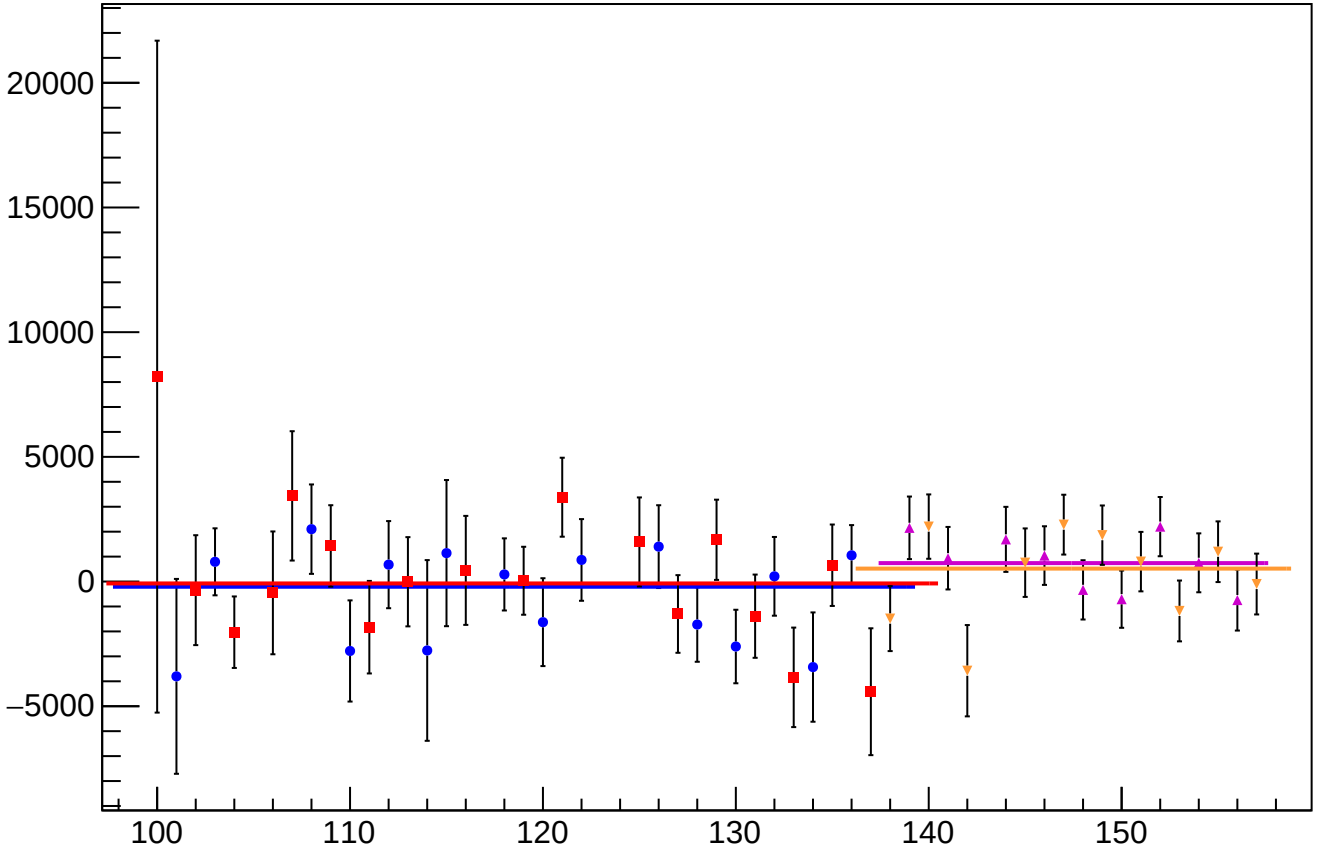
Left In: 3284.860+/-0.845 χ^2/NDF:469255.3/8

+ sign 769.064+/-0.242 χ^2/NDF: 19779601.6/25

All: 714.757+/-0.163 χ^2/NDF: 39811068.9/52

- sign 669.896+/-0.220 χ^2/NDF: 19939707.4/26

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.146+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

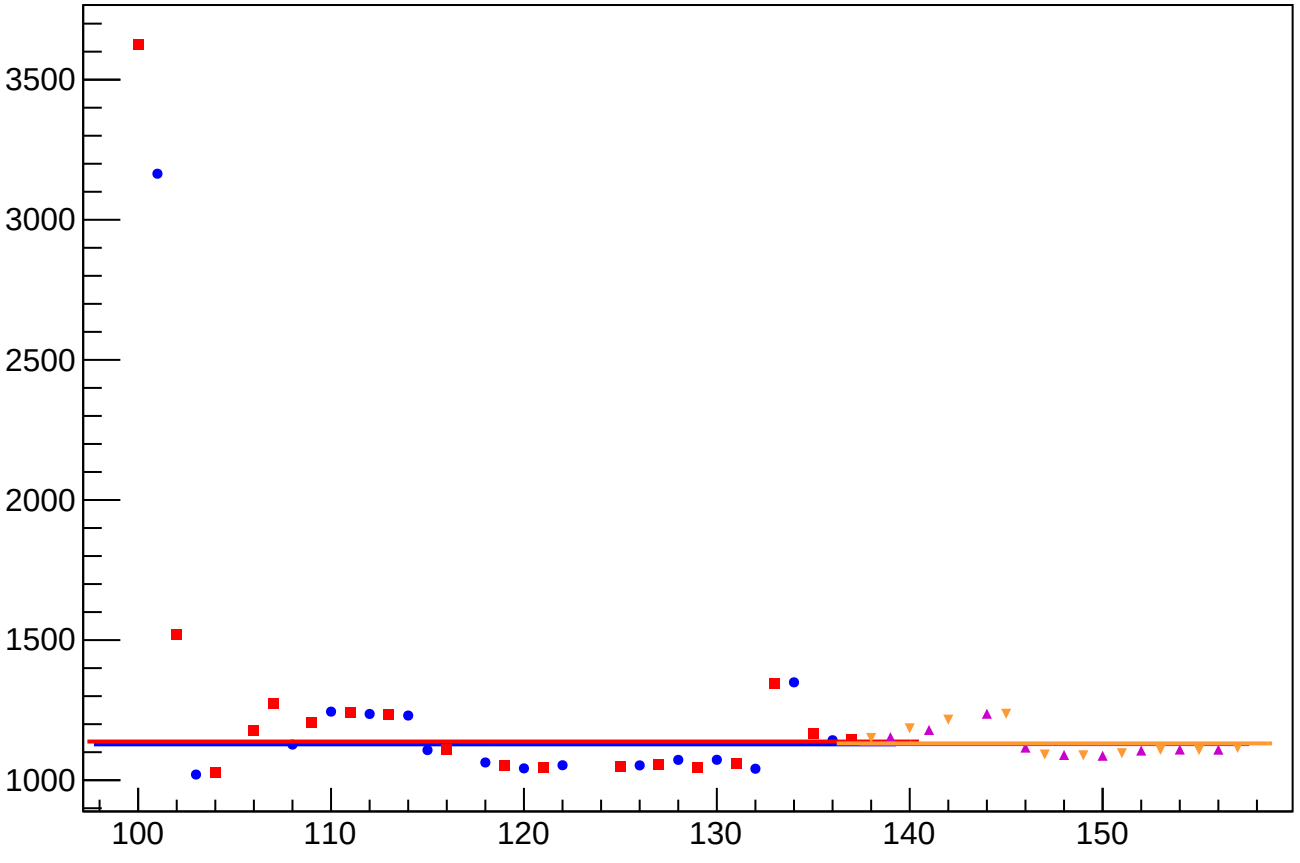
Left In: 739.672+/-403.469 χ^2/NDF:7.3/8

\+ sign 177.877+/-293.981 χ^2/NDF: 31.4/25

All: 268.089+/-208.049 χ^2/NDF: 61.4/52

\- sign 358.604+/-294.471 χ^2/NDF: 29.8/26

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

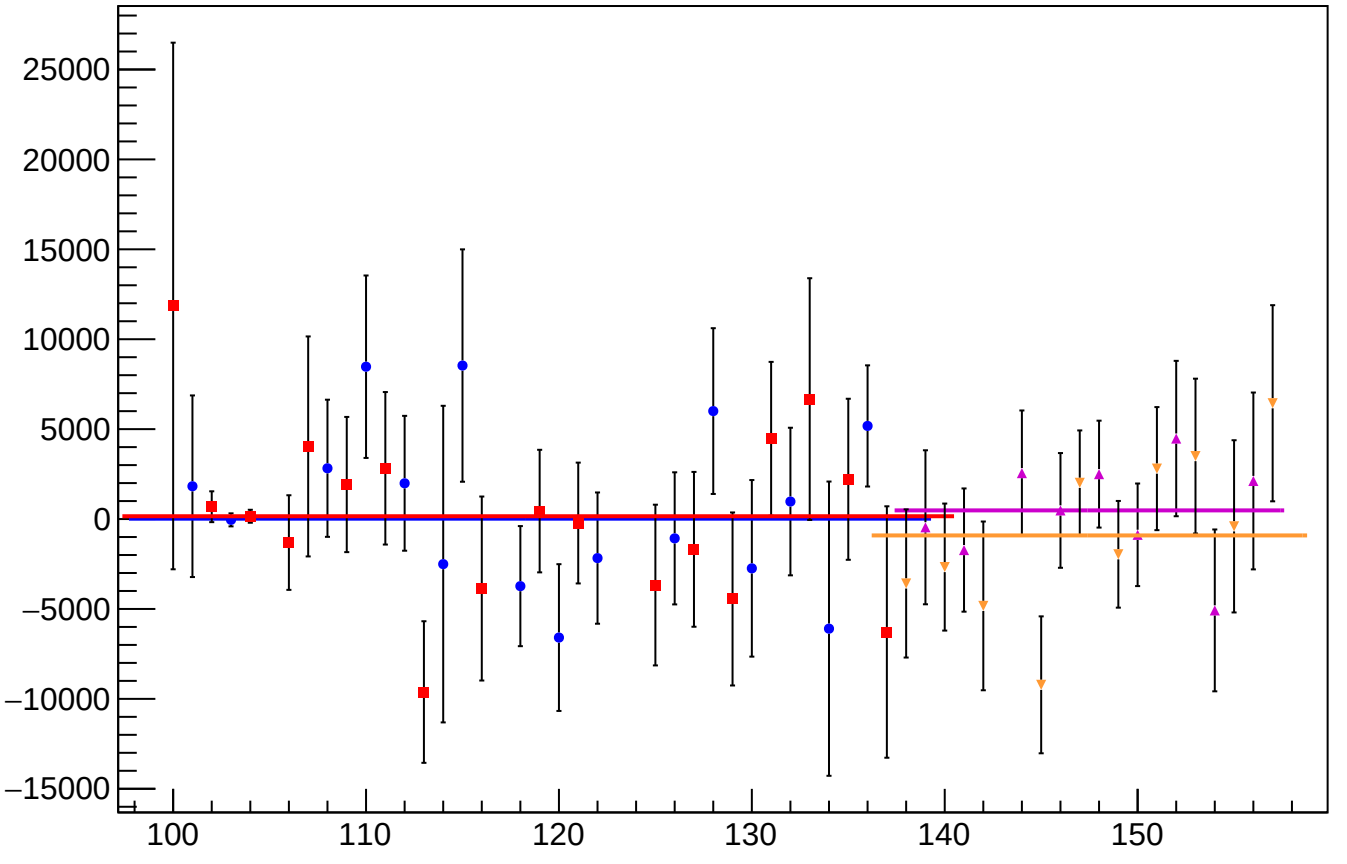
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1128.909+/-0.285 χ^2/NDF:24637.5/8

+ sign 1129.774+/-0.208 χ^2/NDF: 649844.7/25

All: 1131.465+/-0.147 χ^2/NDF: 895713.8/52

- sign 1133.160+/-0.208 χ^2/NDF: 245736.7/26



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -910.860+/-1194.032 χ^2/NDF:11.3/9

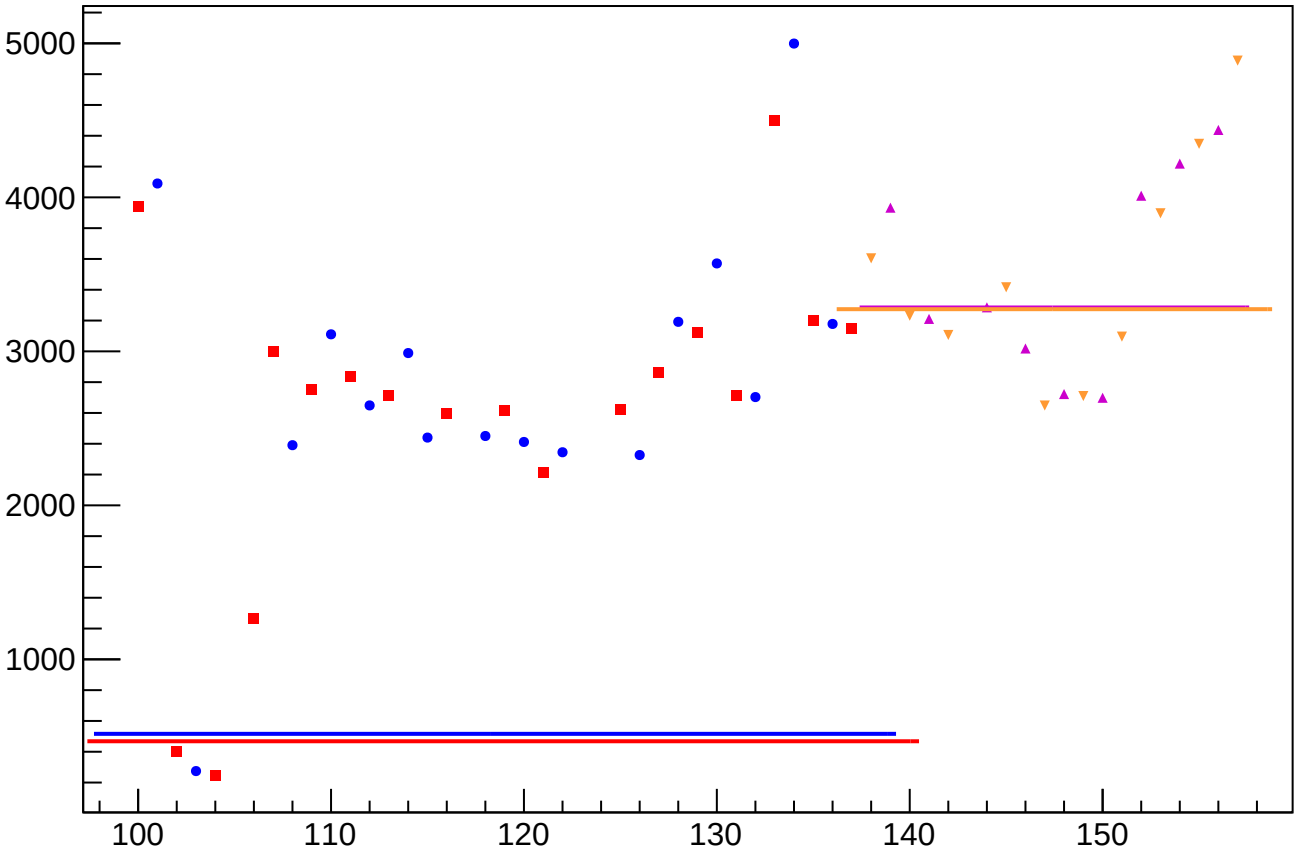
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 481.475+/-1194.573 χ^2/NDF:4.0/8

\+ sign -50.024+/-331.021 χ^2/NDF: 26.7/25

All: 72.486+/-224.988 χ^2/NDF: 45.1/52

\- sign 177.674+/-306.727 χ^2/NDF: 18.1/26



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

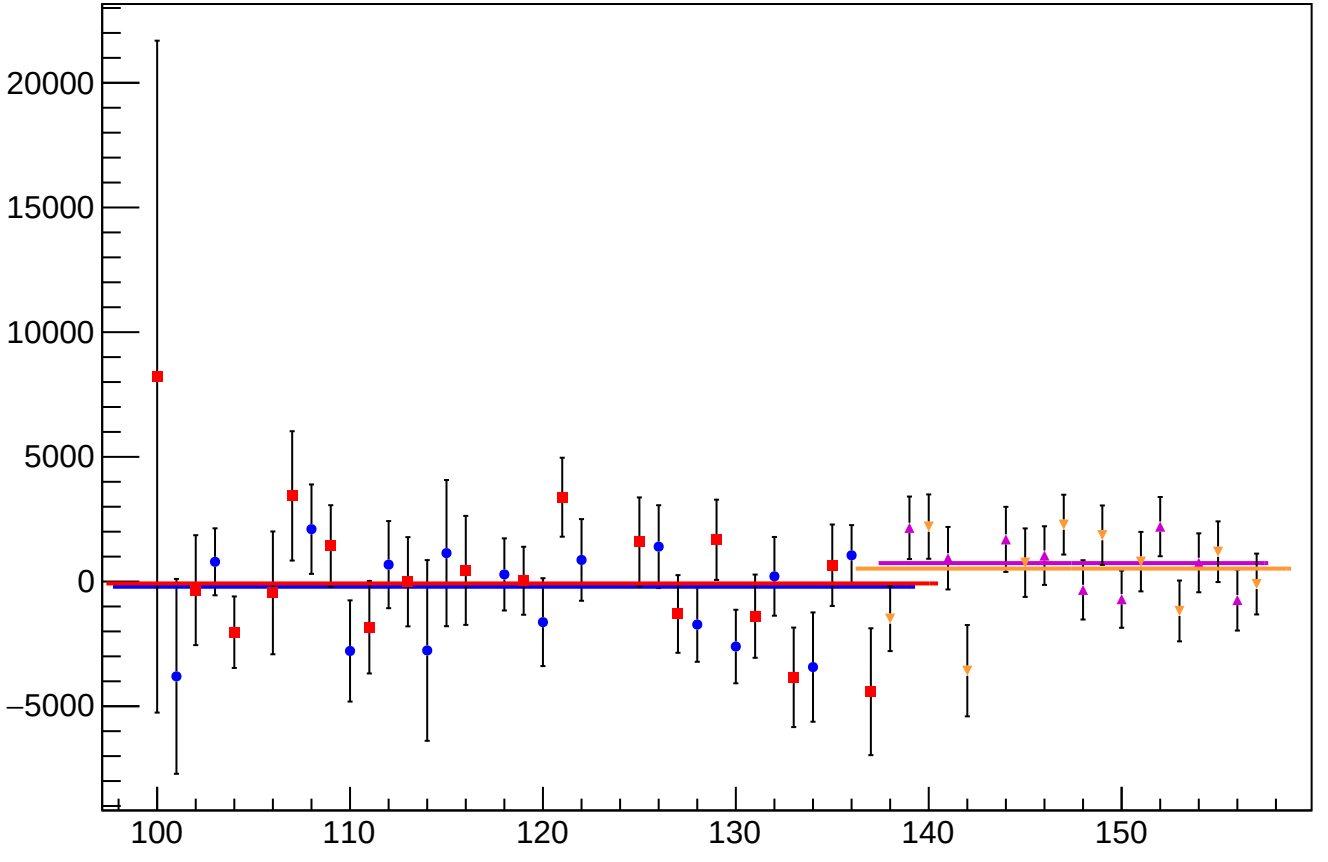
Left In: 3284.859+/-0.845 χ^2/NDF:469258.7/8

+ sign 728.232+/-0.234 χ^2/NDF: 20187772.7/25

All: 688.168+/-0.159 χ^2/NDF: 40209854.4/52

- sign 653.769+/-0.217 χ^2/NDF: 19967630.6/26

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 519.146+/-403.530 χ^2/NDF:15.1/9

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

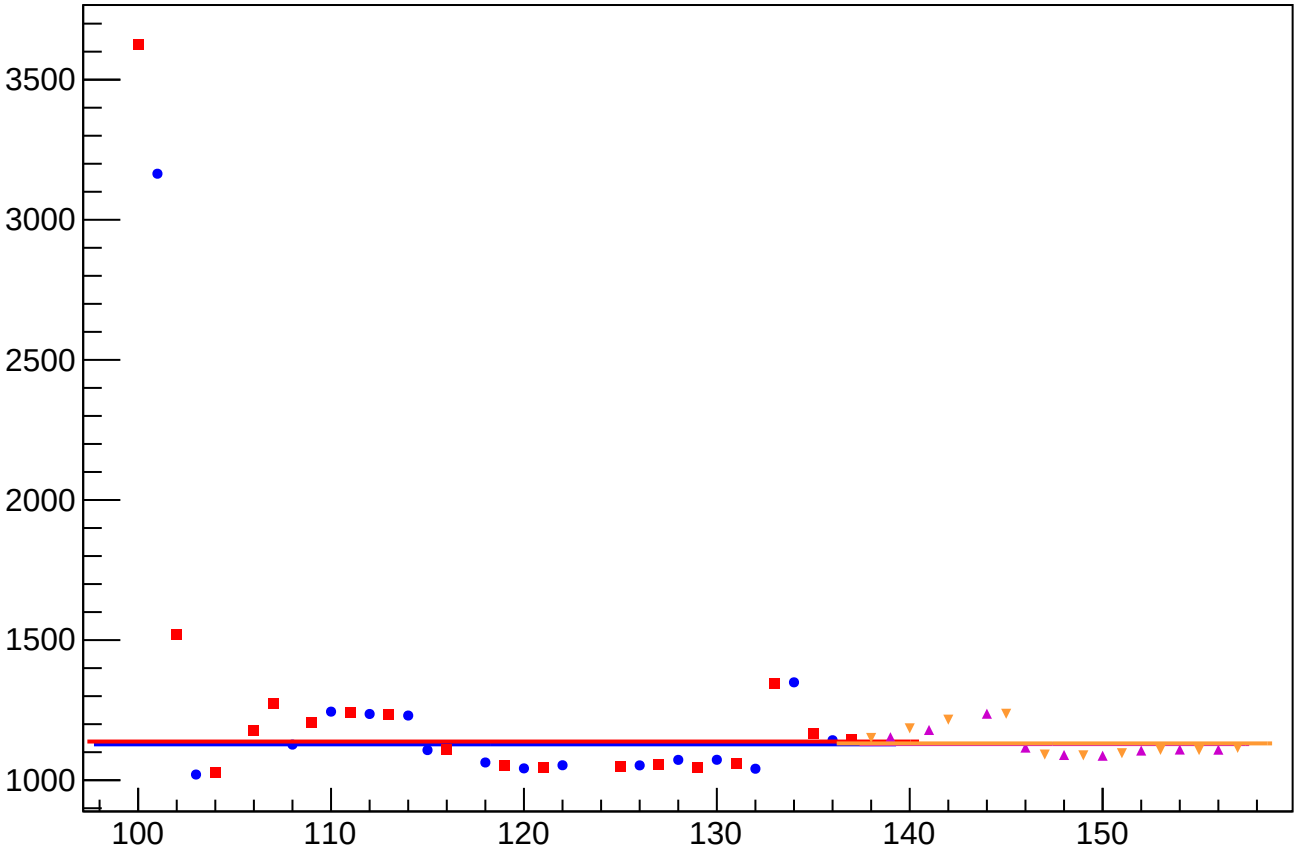
Left In: 739.672+/-403.469 χ^2/NDF:7.3/8

+ sign 177.877+/-293.981 χ^2/NDF: 31.4/25

All: 268.089+/-208.049 χ^2/NDF: 61.4/52

- sign 358.604+/-294.471 χ^2/NDF: 29.8/26

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1131.337+/-0.285 χ^2/NDF:28385.2/9

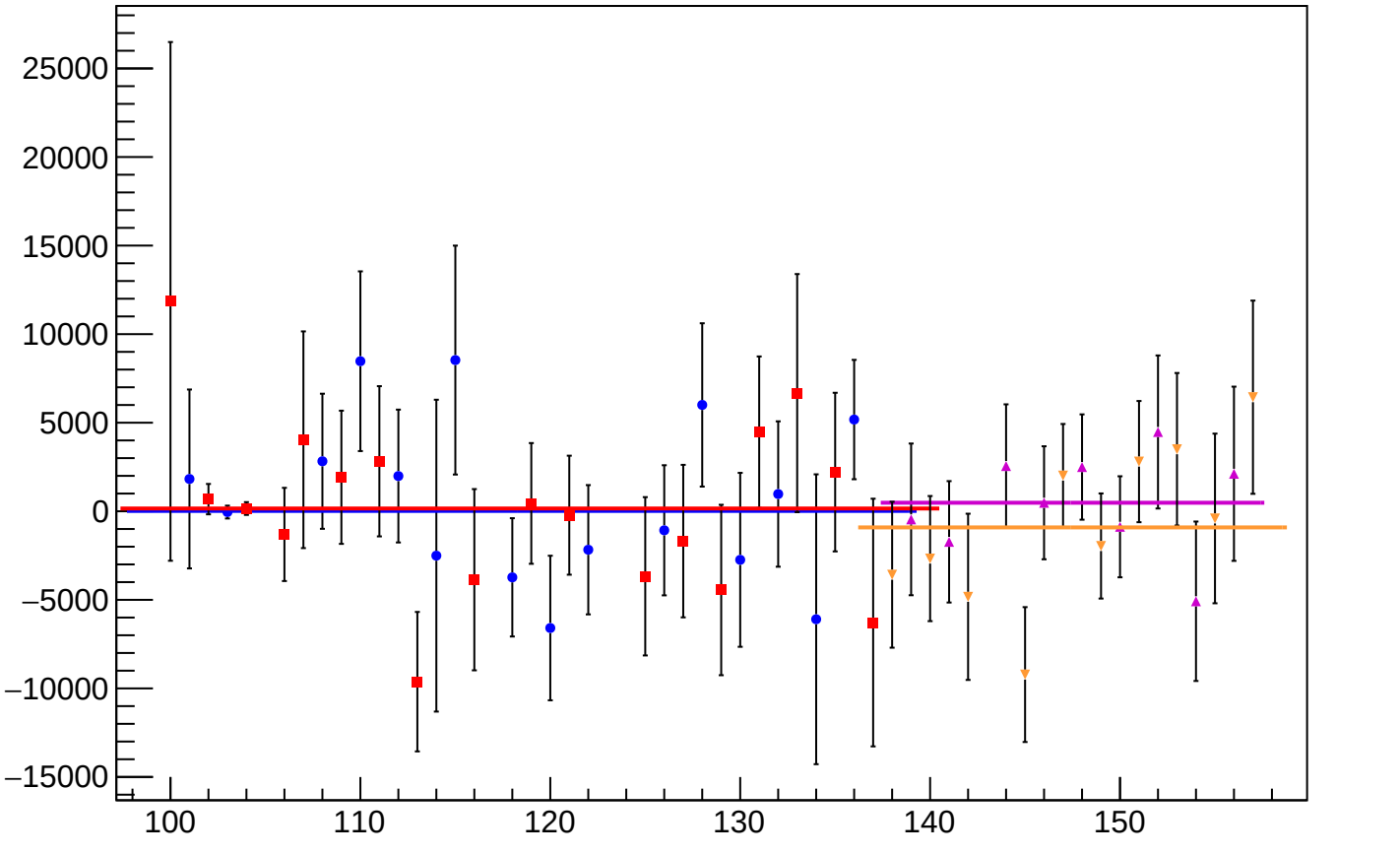
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1128.909+/-0.285 χ^2/NDF:24637.5/8

+ sign 1129.774+/-0.208 χ^2/NDF: 649844.7/25

All: 1131.465+/-0.147 χ^2/NDF: 895713.8/52

- sign 1133.160+/-0.208 χ^2/NDF: 245736.7/26



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -910.860+/-1194.032 χ^2/NDF:11.3/9

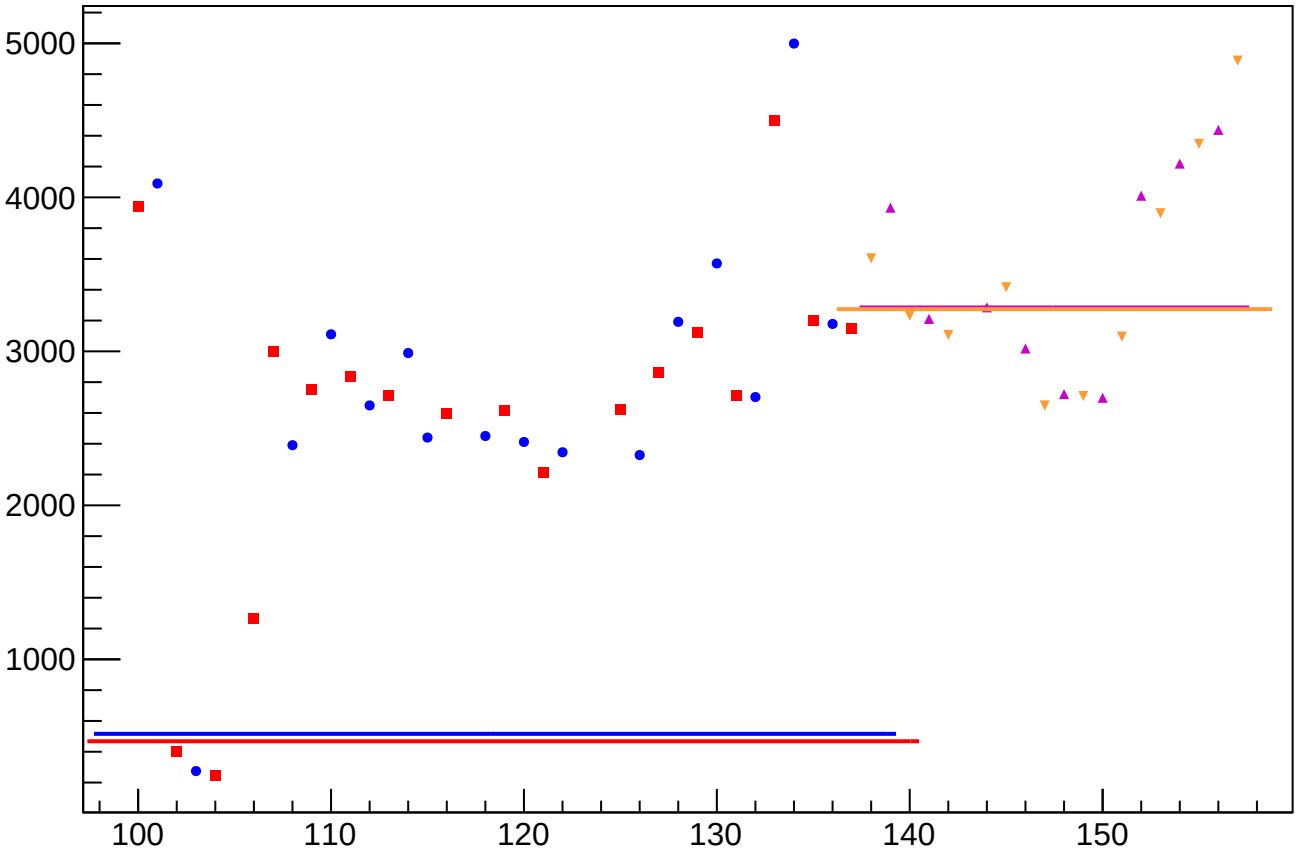
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 481.475+/-1194.573 χ^2/NDF:4.0/8

+ sign -50.024+/-331.021 χ^2/NDF: 26.7/25

All: 72.486+/-224.988 χ^2/NDF: 45.1/52

- sign 177.674+/-306.727 χ^2/NDF: 18.1/26



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3273.844+/-0.844 χ^2/NDF:505890.8/9

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

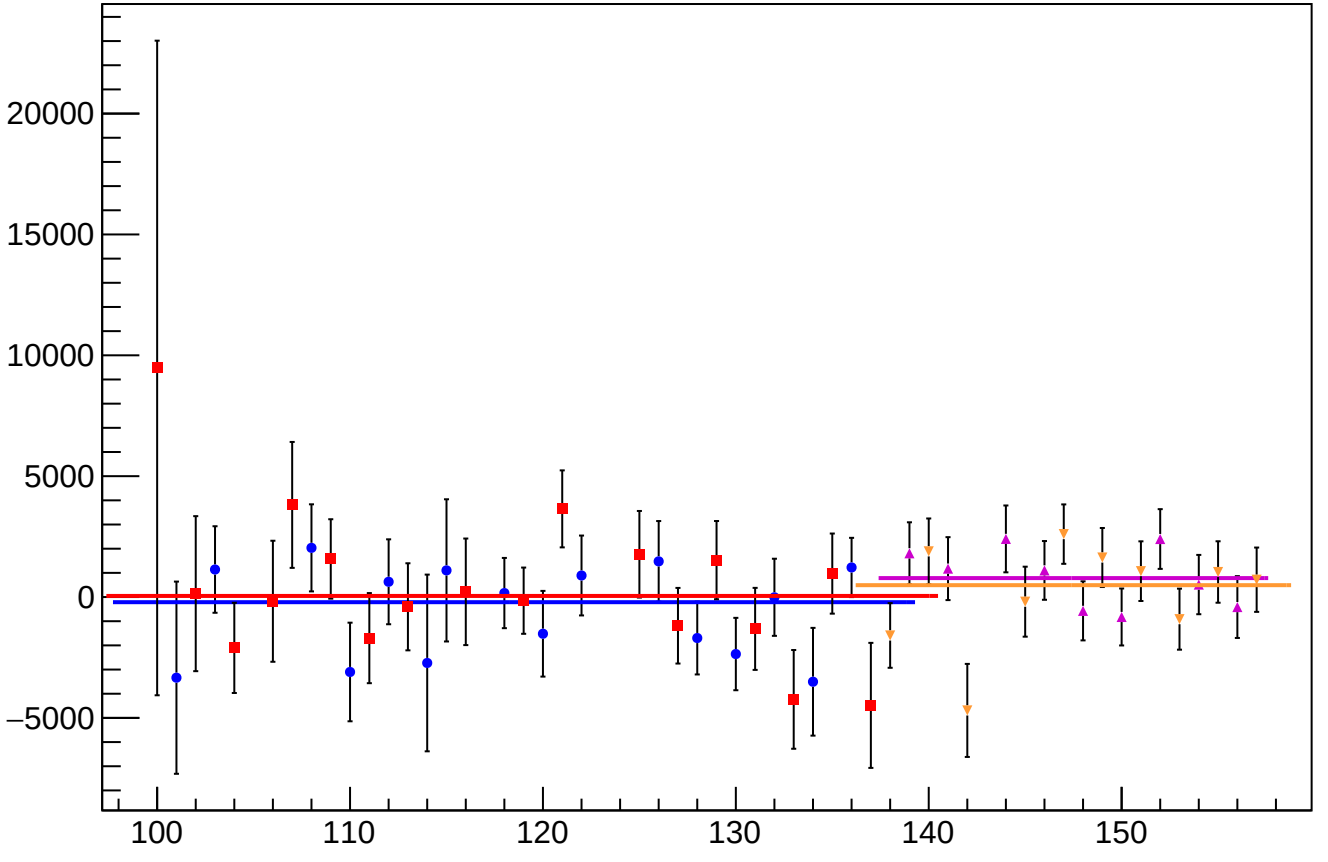
Left In: 3284.859+/-0.845 χ^2/NDF:469258.7/8

+ sign 728.232+/-0.234 χ^2/NDF: 20187772.7/25

All: 688.168+/-0.159 χ^2/NDF: 40209854.4/52

- sign 653.769+/-0.217 χ^2/NDF: 19967630.6/26

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 490.727+/-420.803 χ^2/NDF:16.5/9

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

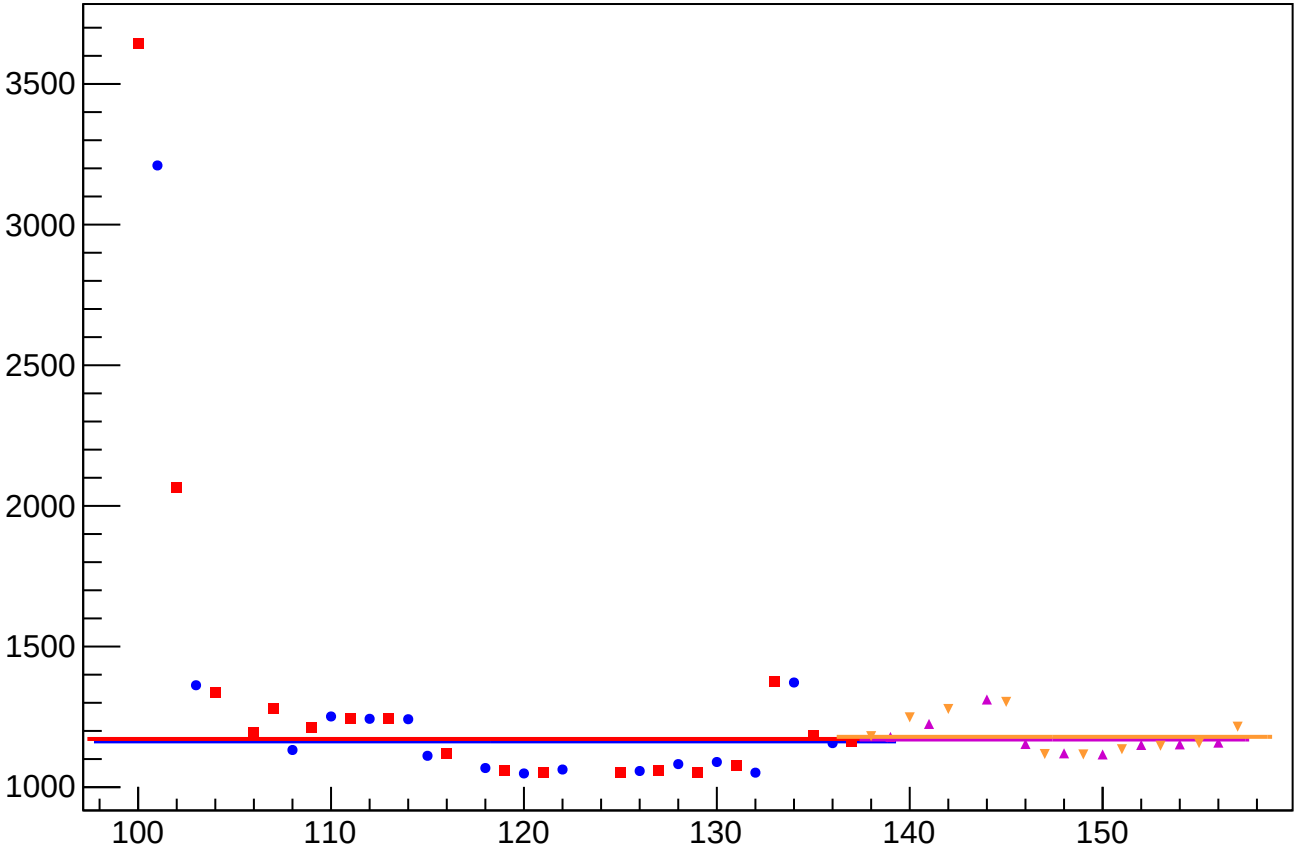
Left In: 783.687+/-418.139 χ^2/NDF:7.9/8

+ sign 156.647+/-304.995 χ^2/NDF: 32.1/25

All: 297.816+/-215.819 χ^2/NDF: 63.6/52

- sign 439.390+/-305.433 χ^2/NDF: 31.0/26

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41319.7/9

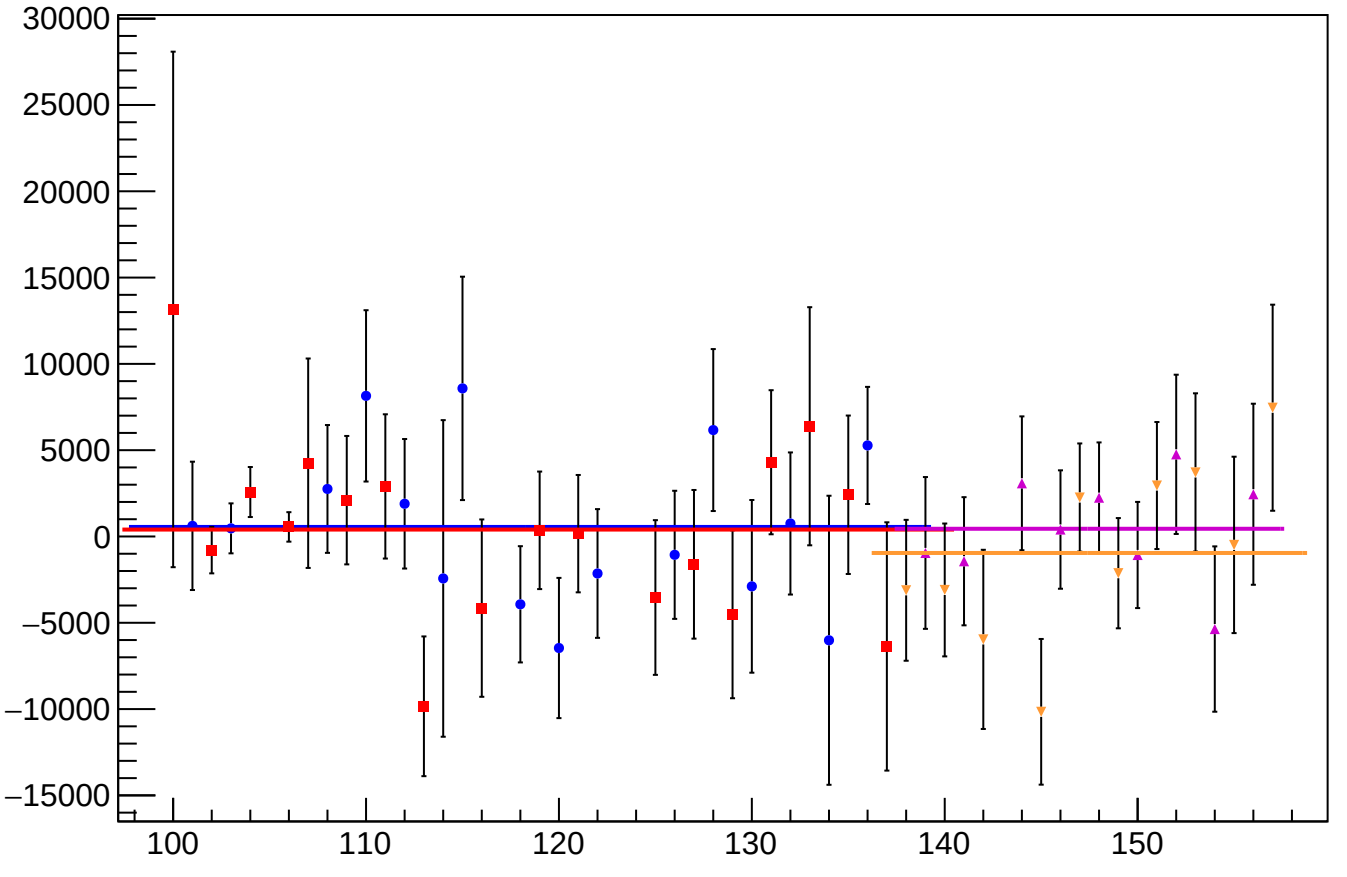
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1169.497+/-0.296 χ^2/NDF:33552.9/8

+ sign 1171.335+/-0.216 χ^2/NDF: 678071.6/25

All: 1170.866+/-0.153 χ^2/NDF: 1043294.5/52

- sign 1170.395+/-0.216 χ^2/NDF: 365213.4/26



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -955.337+/-1281.945 χ^2/NDF:11.6/9

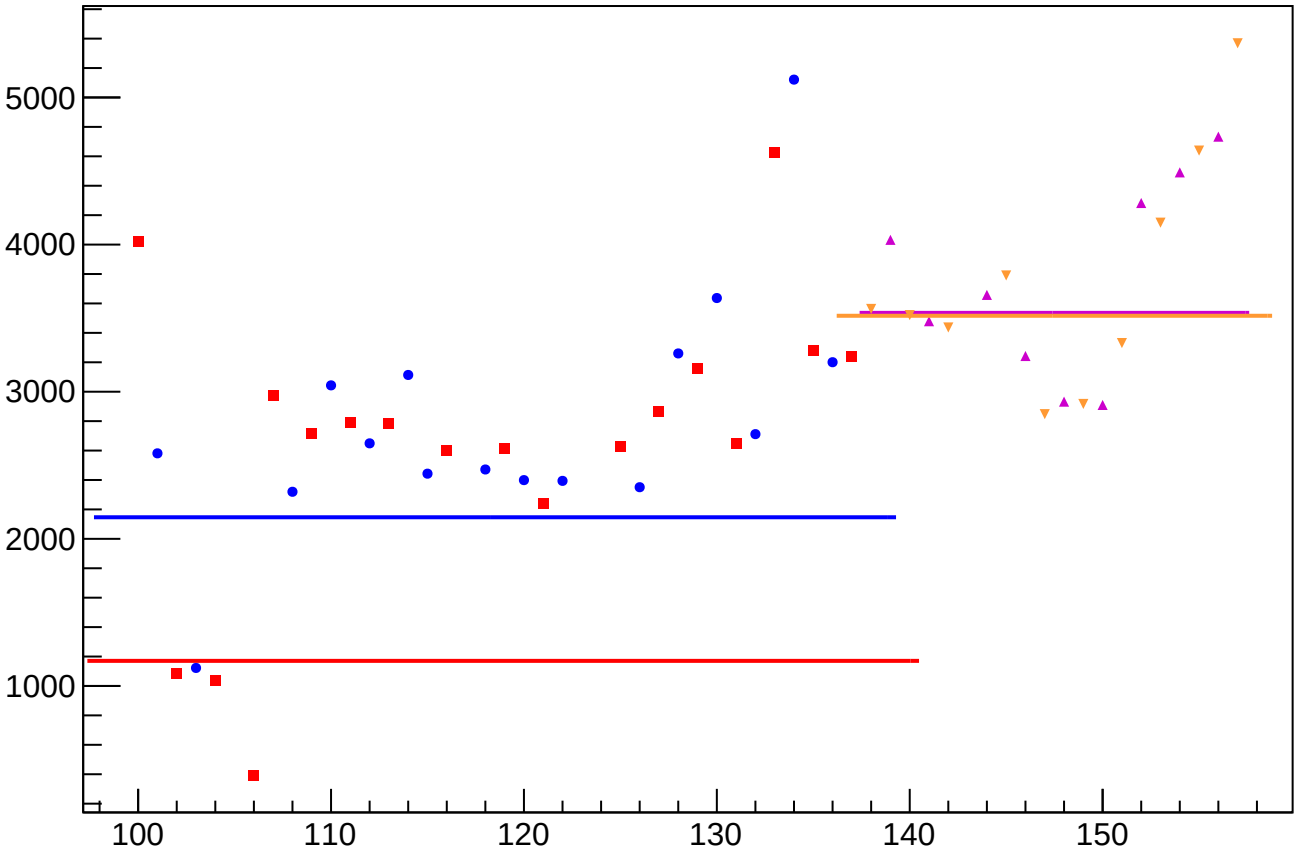
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 446.278+/-1284.641 χ^2/NDF:3.9/8

+ sign 73.946+/-722.209 χ^2/NDF: 27.0/25

All: 294.489+/-420.847 χ^2/NDF: 47.6/52

- sign 407.882+/-517.857 χ^2/NDF: 20.5/26



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3516.221+/-0.906 χ^2/NDF:502957.3/9

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

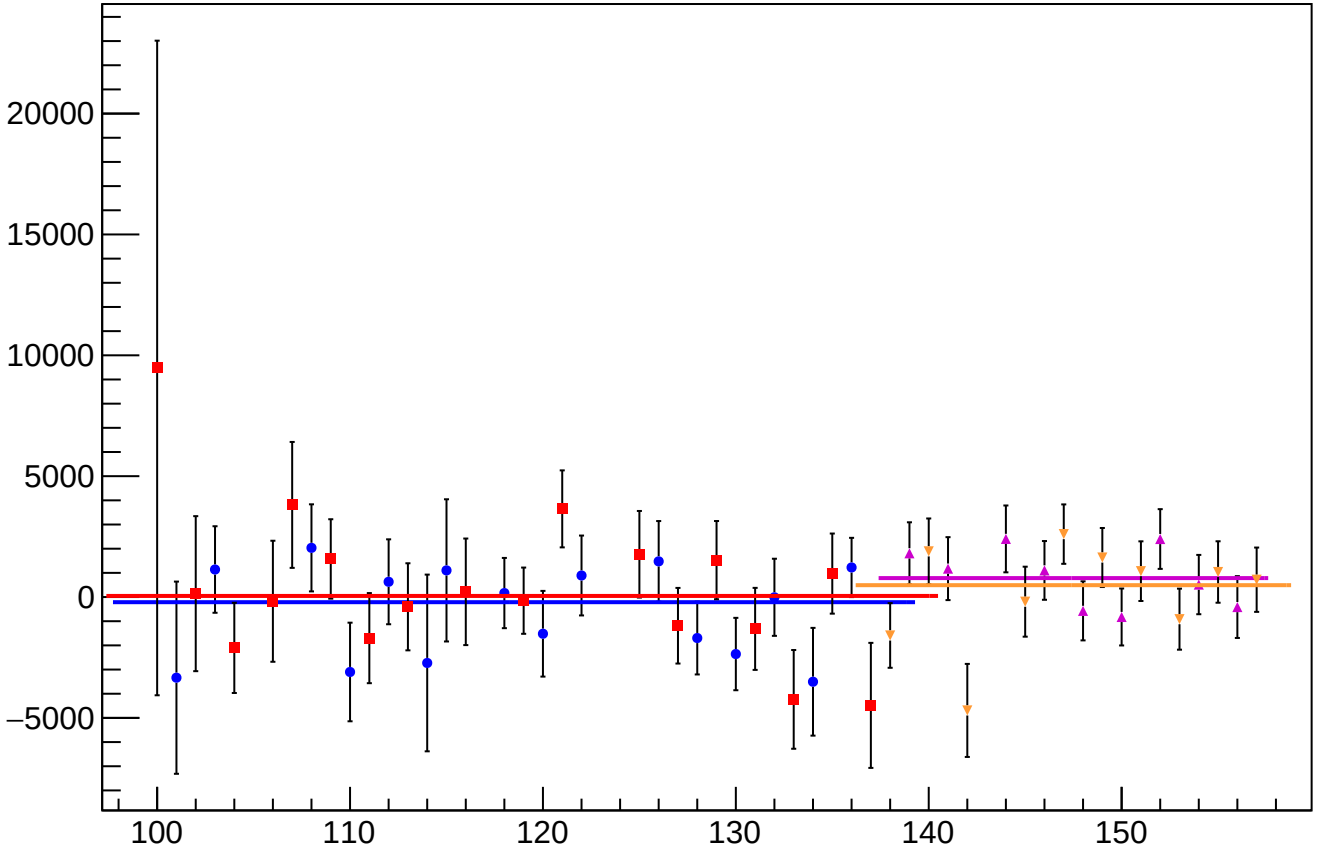
Left In: 3535.944+/-0.908 χ^2/NDF:432541.8/8

+ sign 2581.309+/-0.511 χ^2/NDF: 4036004.6/25

All: 1903.465+/-0.298 χ^2/NDF: 18632413.1/5

- sign 1554.948+/-0.366 χ^2/NDF: 11928723.3/26

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 490.723+/-420.804 χ^2/NDF:16.5/9

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

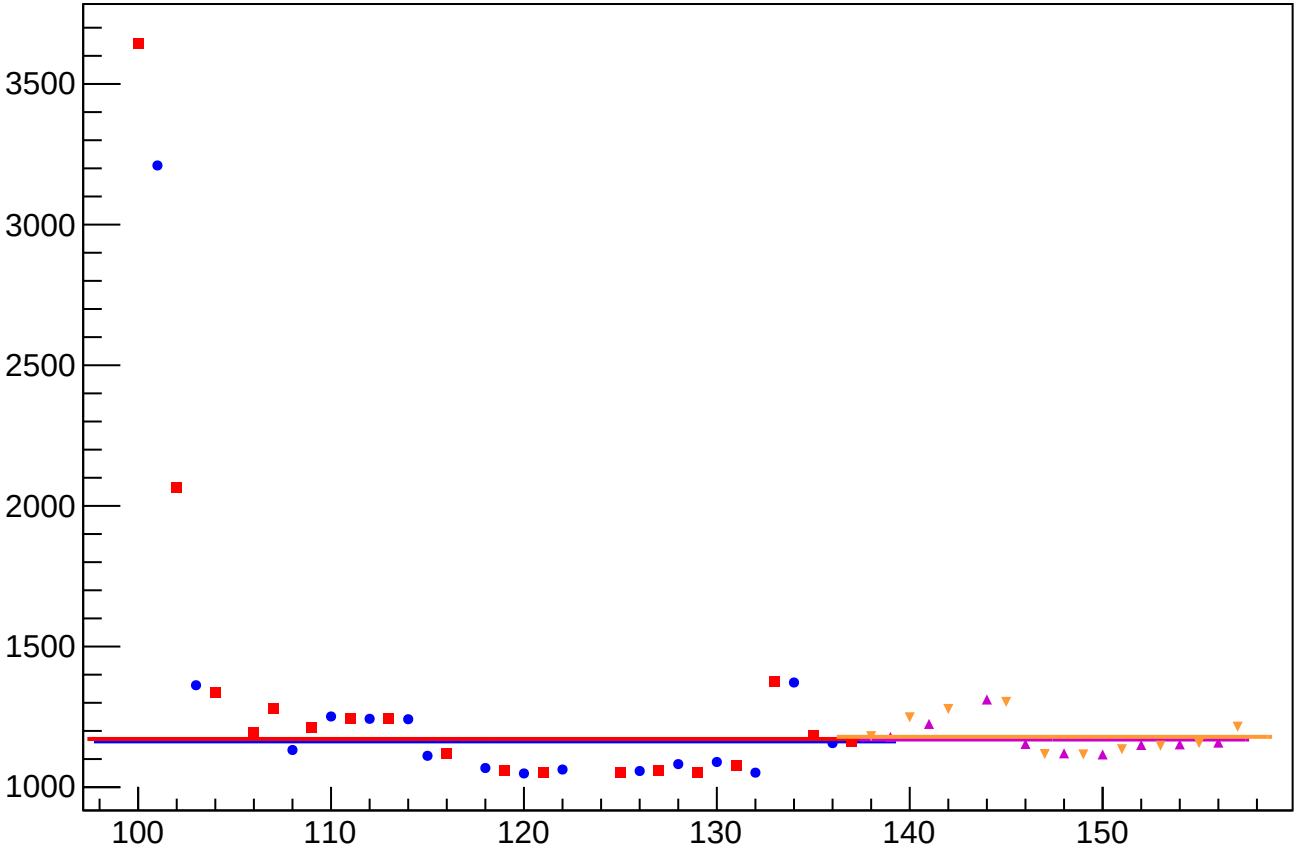
Left In: 783.684+/-418.139 χ^2/NDF:7.9/8

+ sign 156.643+/-304.995 χ^2/NDF: 32.1/25

All: 297.814+/-215.819 χ^2/NDF: 63.6/52

- sign 439.390+/-305.433 χ^2/NDF: 31.0/26

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1179.002+/-0.298 χ^2/NDF:41320.2/9

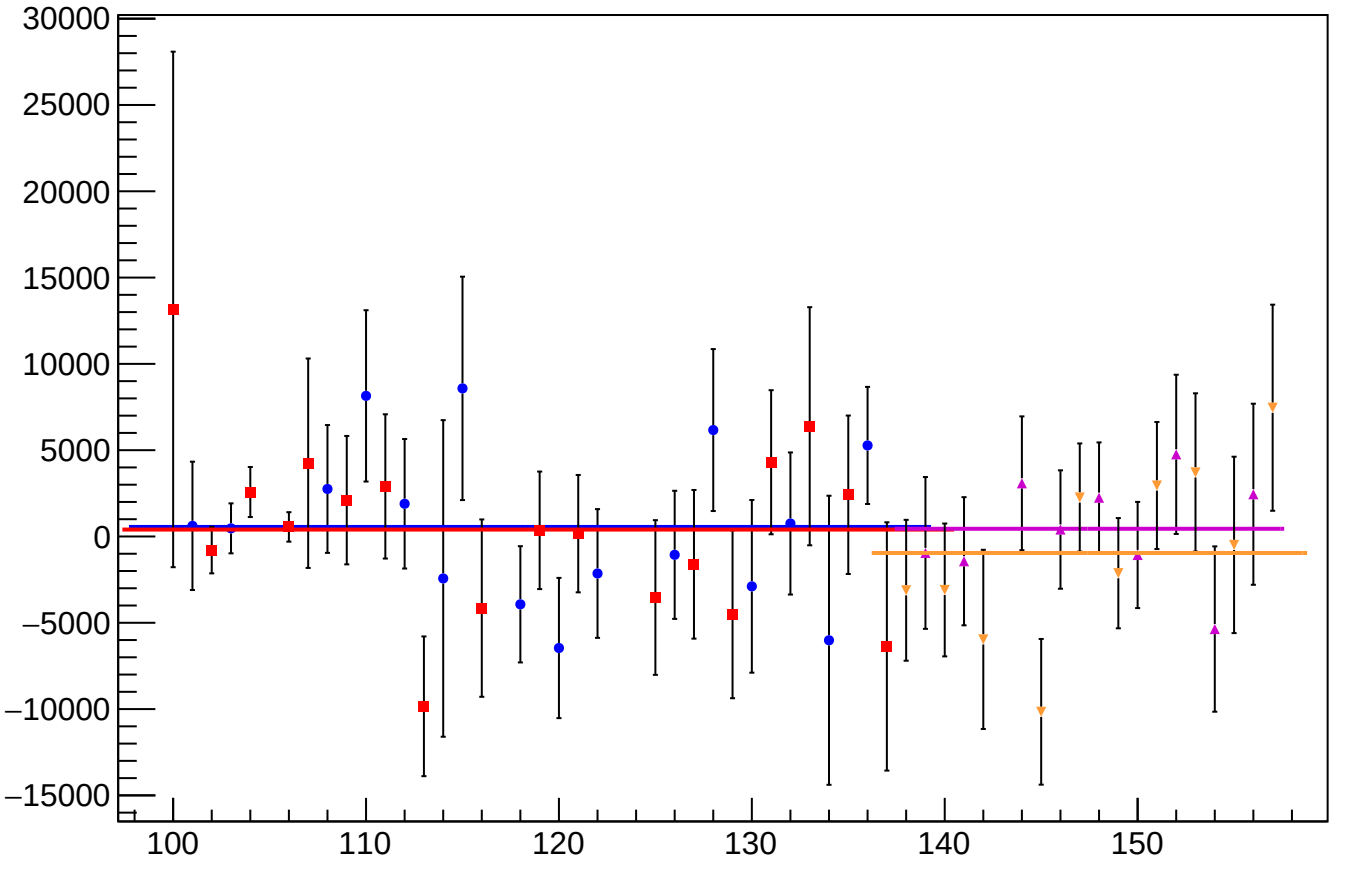
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1169.498+/-0.296 χ^2/NDF:33553.1/8

+ sign 1171.336+/-0.216 χ^2/NDF: 678072.3/25

All: 1170.866+/-0.153 χ^2/NDF: 1043295.1/52

- sign 1170.395+/-0.216 χ^2/NDF: 365213.3/26



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -955.339+/-1281.946 χ^2/NDF:11.6/9

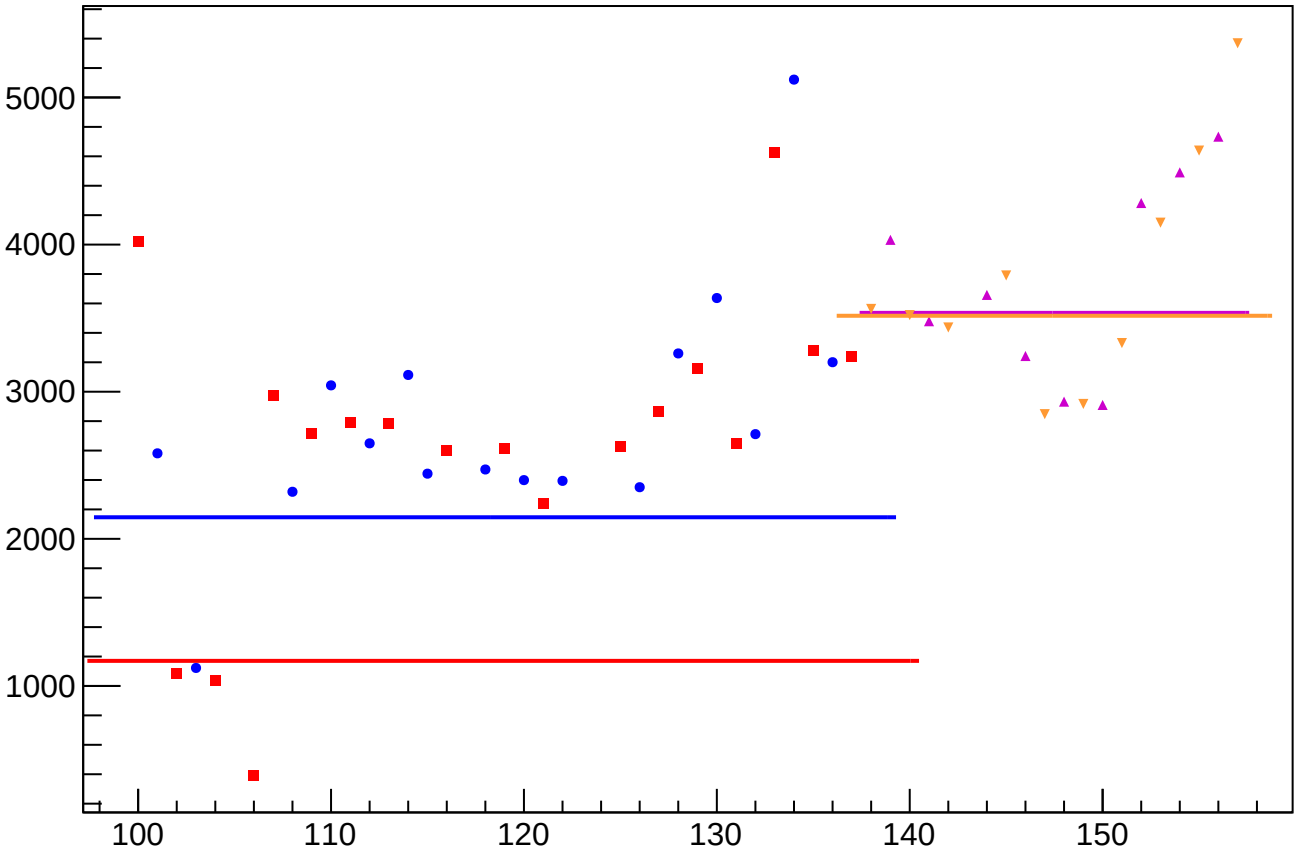
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 446.275+/-1284.643 χ^2/NDF:3.9/8

\+ sign 73.943+/-722.208 χ^2/NDF: 27.0/25

All: 294.489+/-420.844 χ^2/NDF: 47.6/52

\- sign 407.882+/-517.851 χ^2/NDF: 20.5/26



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3516.225+/-0.906 χ^2/NDF:502957.7/9

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

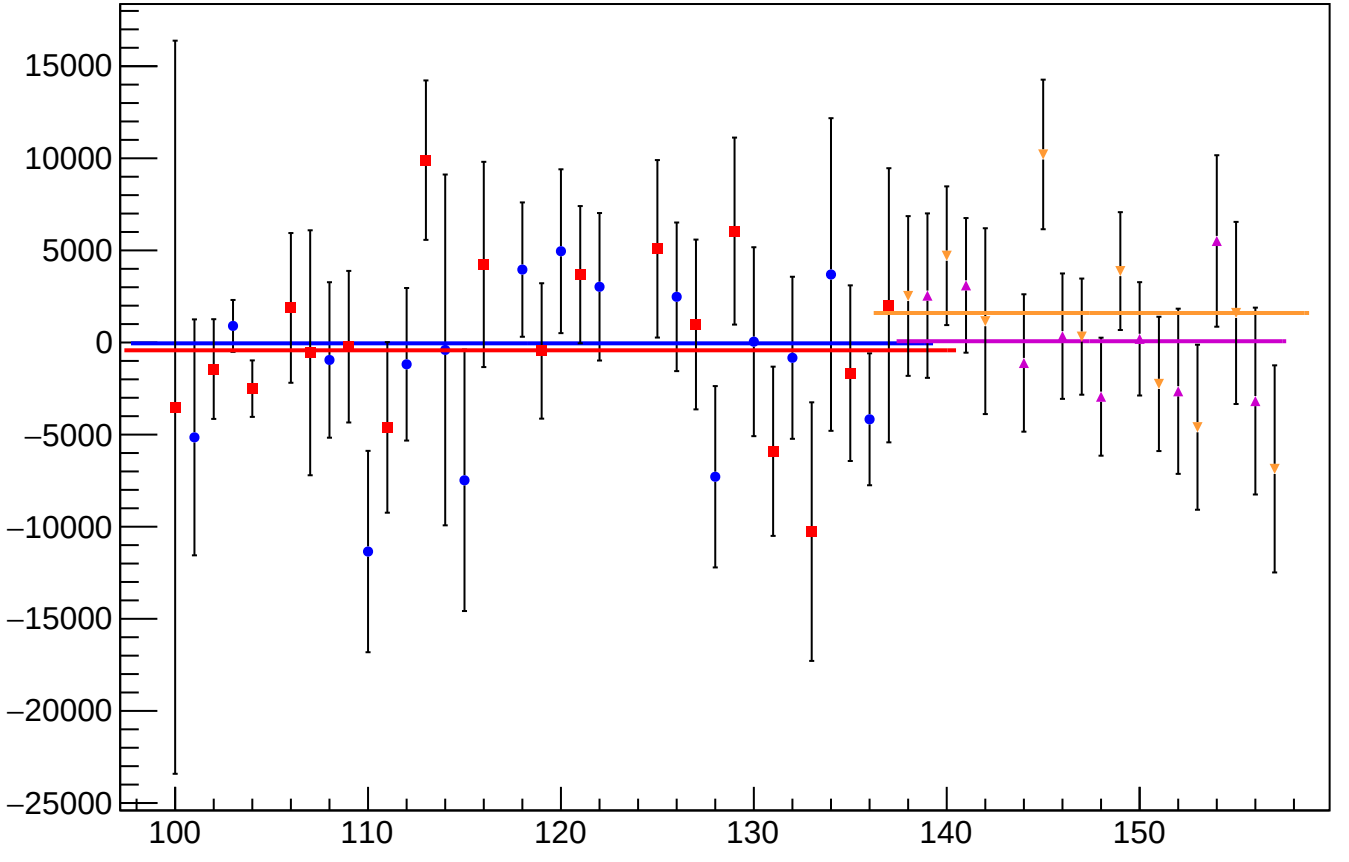
Left In: 3535.948+/-0.908 χ^2/NDF:432541.9/8

+ sign 2581.306+/-0.511 χ^2/NDF: 4036015.2/25

All: 1903.441+/-0.298 χ^2/NDF: 18632840.3/5

- sign 1554.921+/-0.366 χ^2/NDF: 11928990.9/26

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1601.974+/-1270.369 χ^2/NDF:11.2/9

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

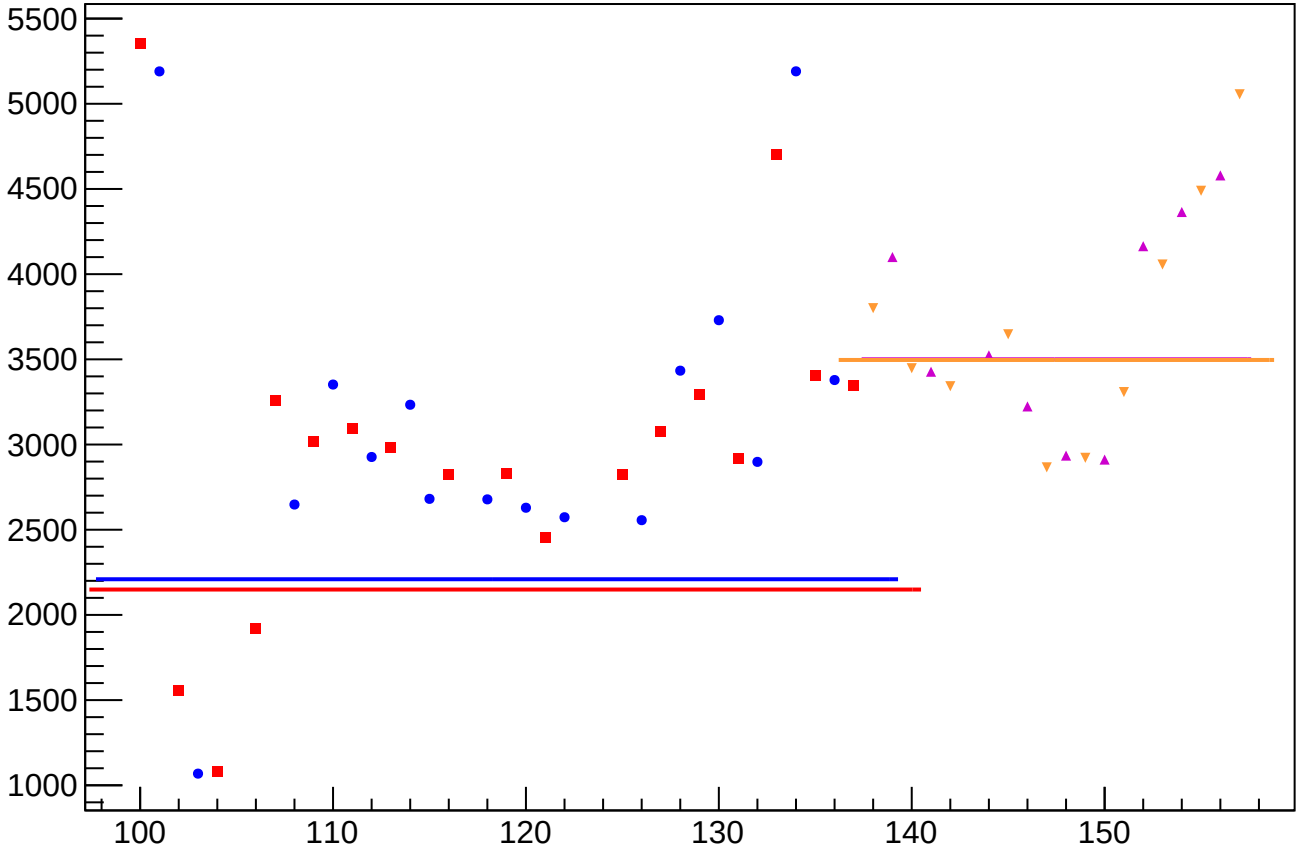
Left In: 69.570+/-1268.865 χ^2/NDF:4.1/8

+ sign 522.289+/-745.516 χ^2/NDF: 26.0/25

All: 124.540+/-522.429 χ^2/NDF: 48.2/52

- sign -259.247+/-732.314 χ^2/NDF: 21.6/26

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3496.392+/-0.898 χ^2/NDF:430384.3/9

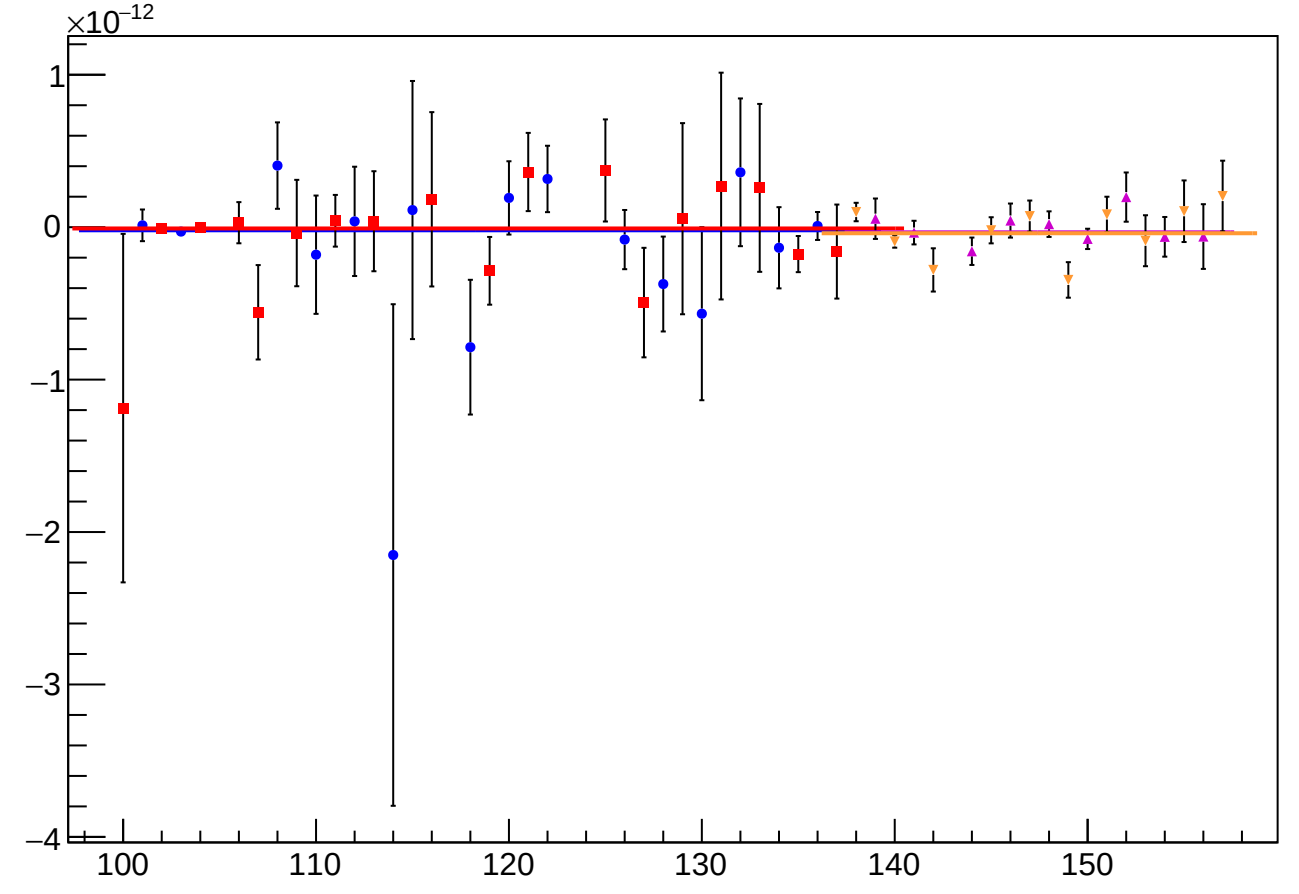
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3500.384+/-0.897 χ^2/NDF:389117.0/8

+ sign 2652.596+/-0.527 χ^2/NDF: 4613122.4/25

All: 2624.595+/-0.369 χ^2/NDF: 8792906.7/52

- sign 2597.663+/-0.517 χ^2/NDF: 4174249.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/9

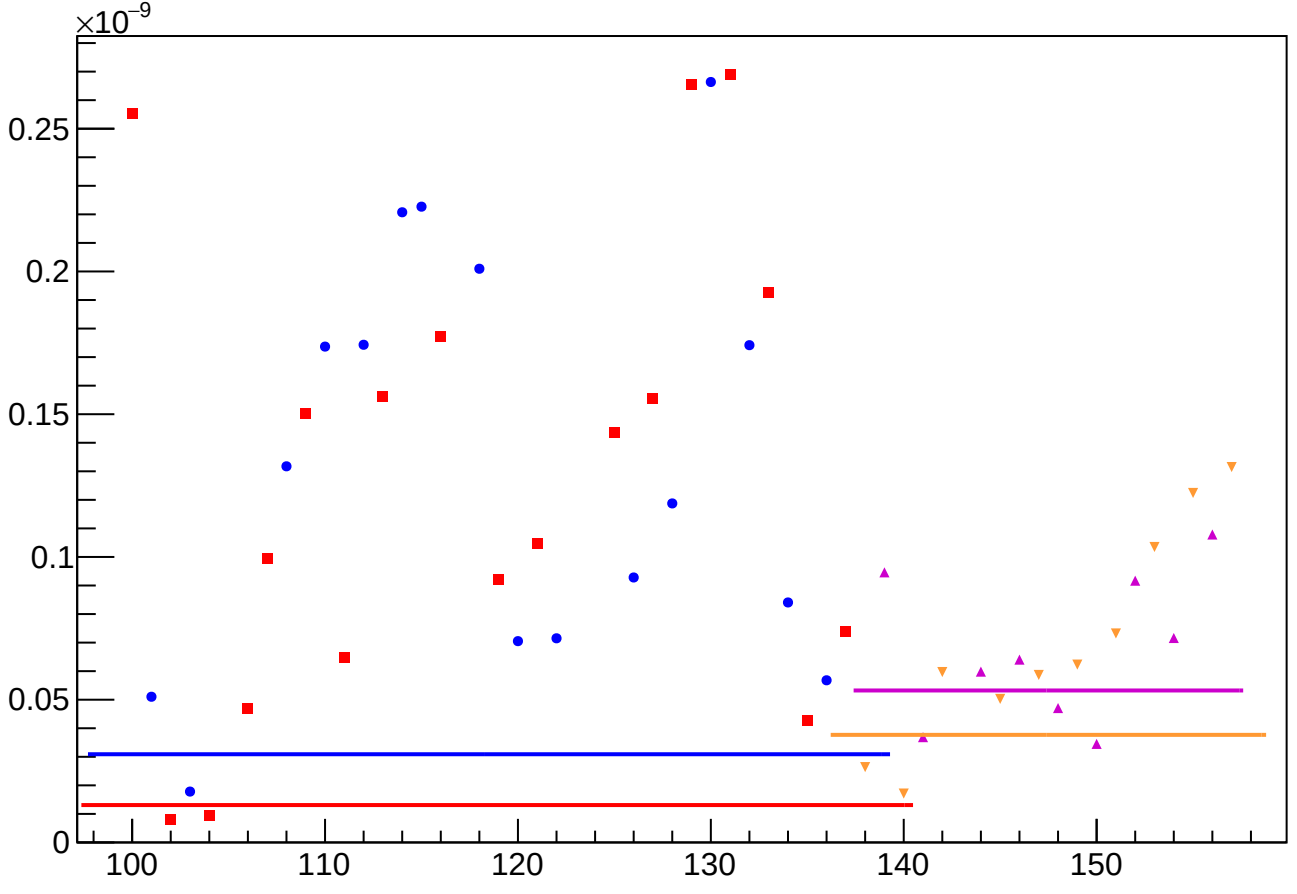
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:5.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/25

All: -0.000+/-0.000 χ^2/NDF: 55.7/52

- sign -0.000+/-0.000 χ^2/NDF: 20.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2017321.2/9

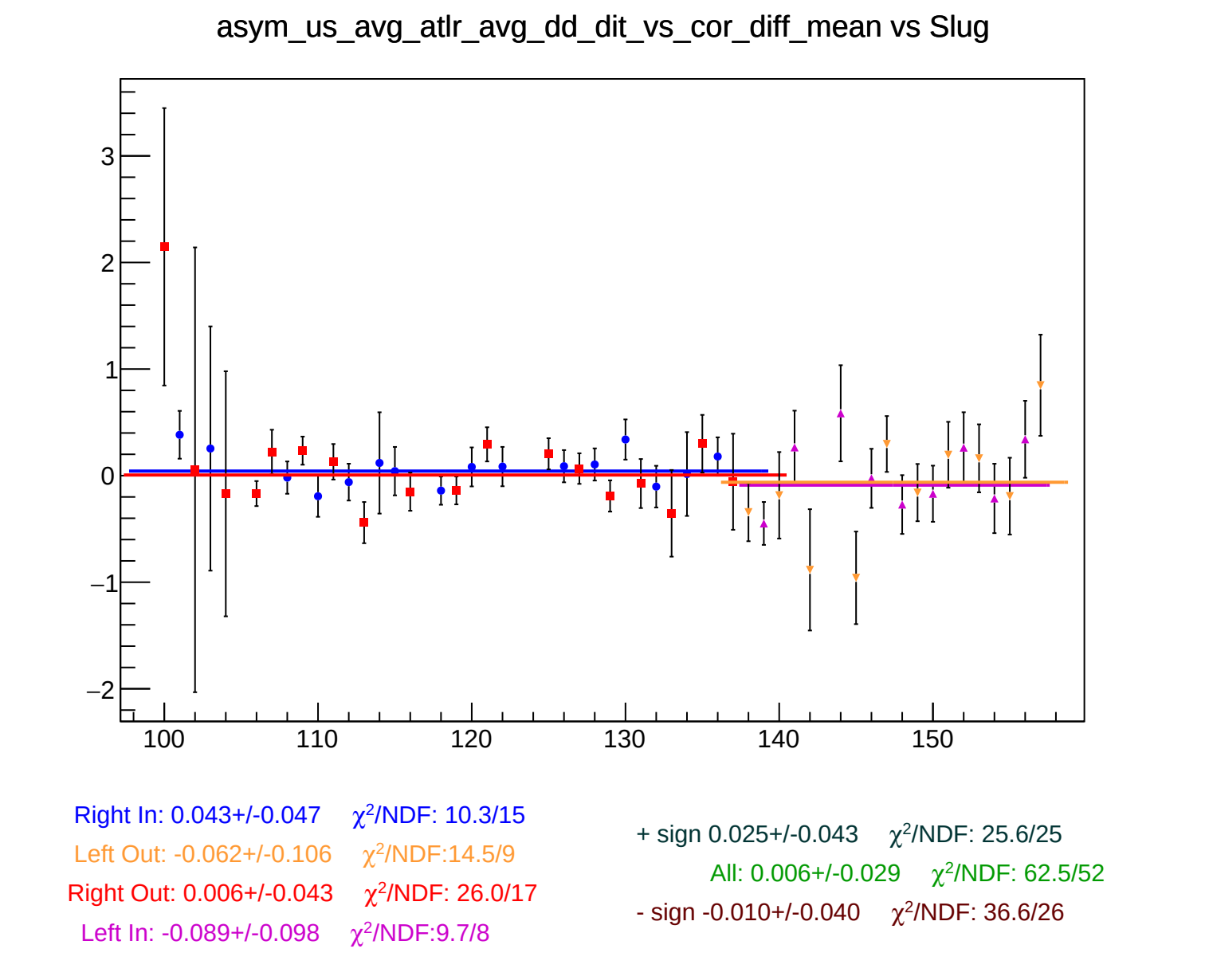
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

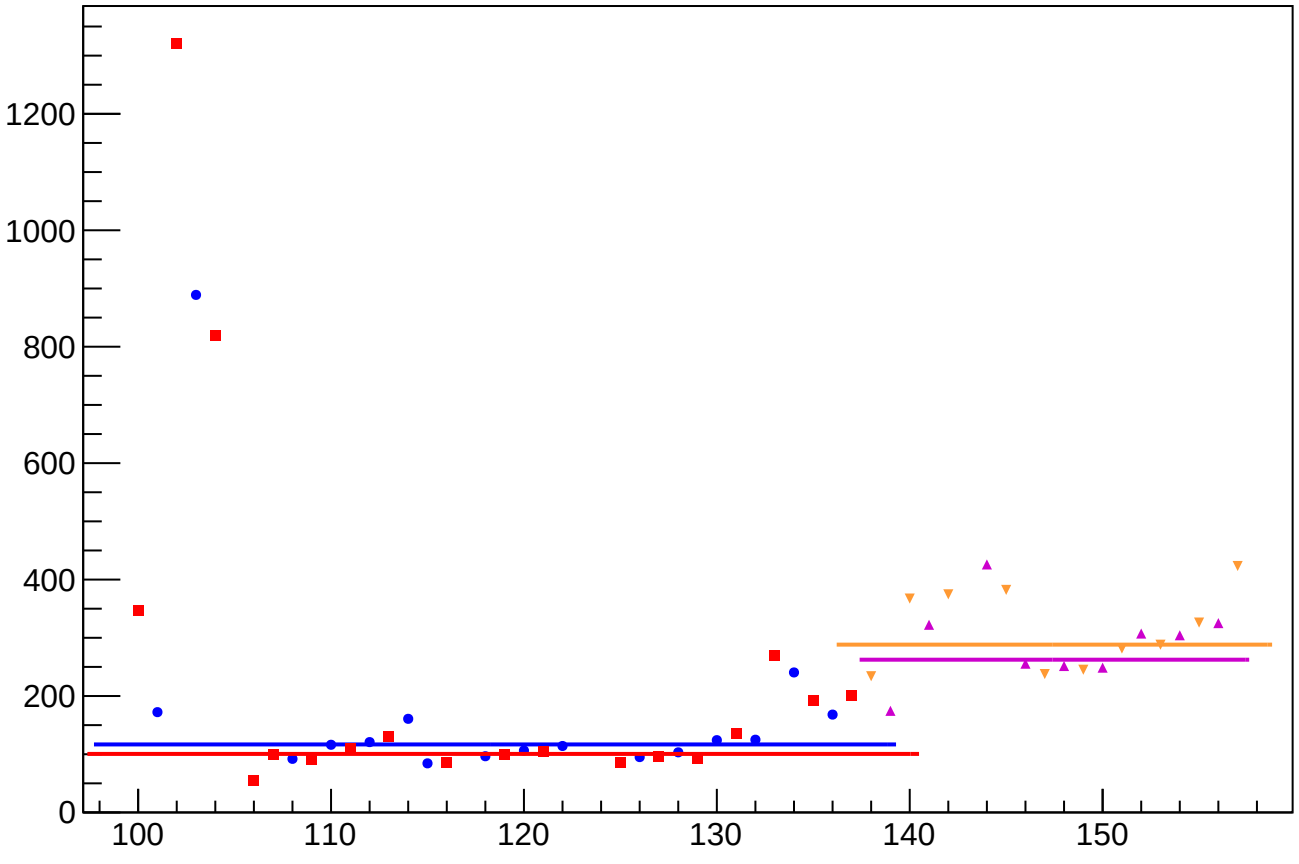
Left In: 0.000+/-0.000 χ^2/NDF:767782.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 5083018.7/25

All: 0.000+/-0.000 χ^2/NDF: 12730396.0/52

- sign 0.000+/-0.000 χ^2/NDF: 6876159.9/26


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.089+/-0.098 χ²/NDF:9.7/8
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.006+/-0.029 χ²/NDF: 62.5/52
- sign -0.010+/-0.040 χ²/NDF: 36.6/26



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

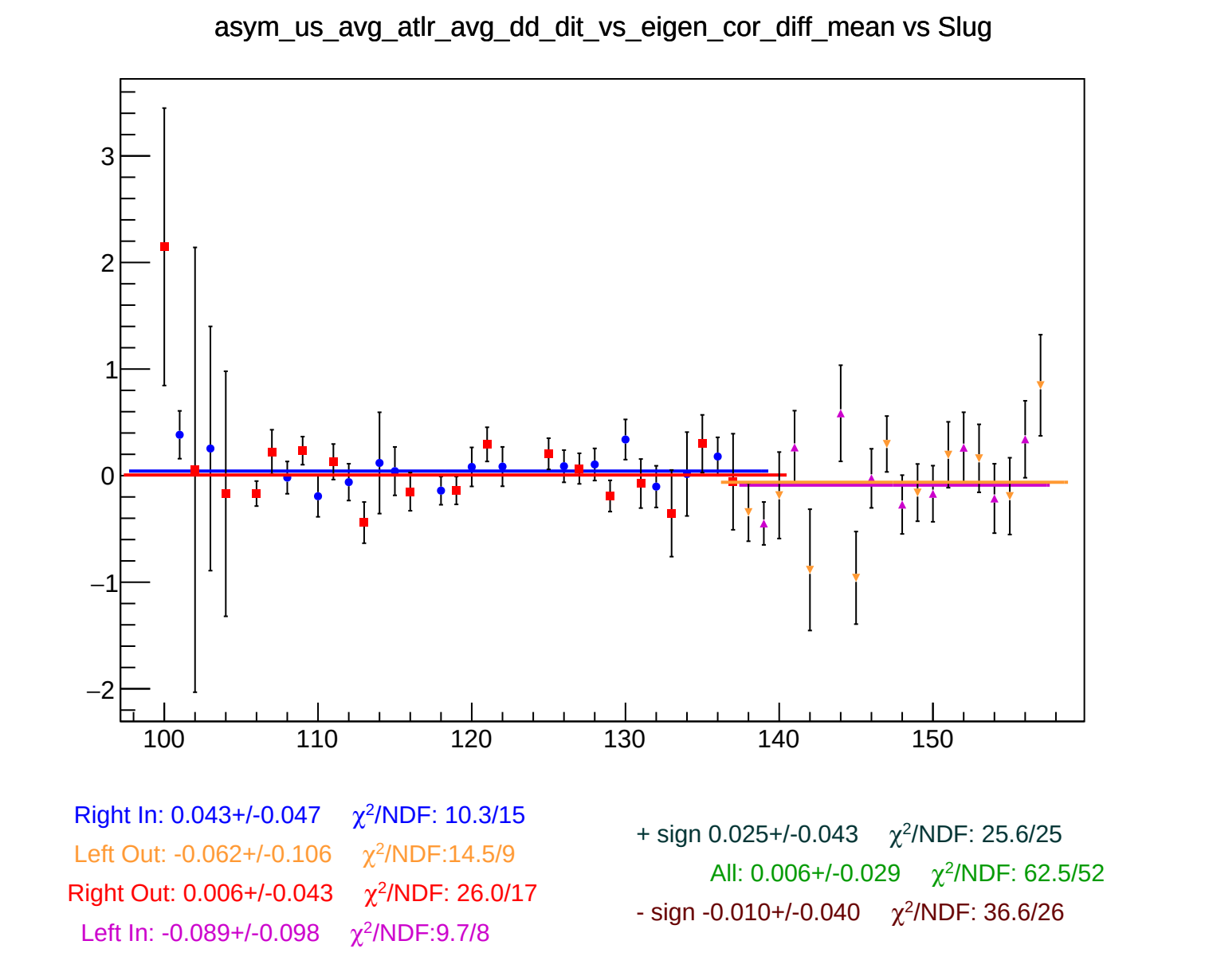
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

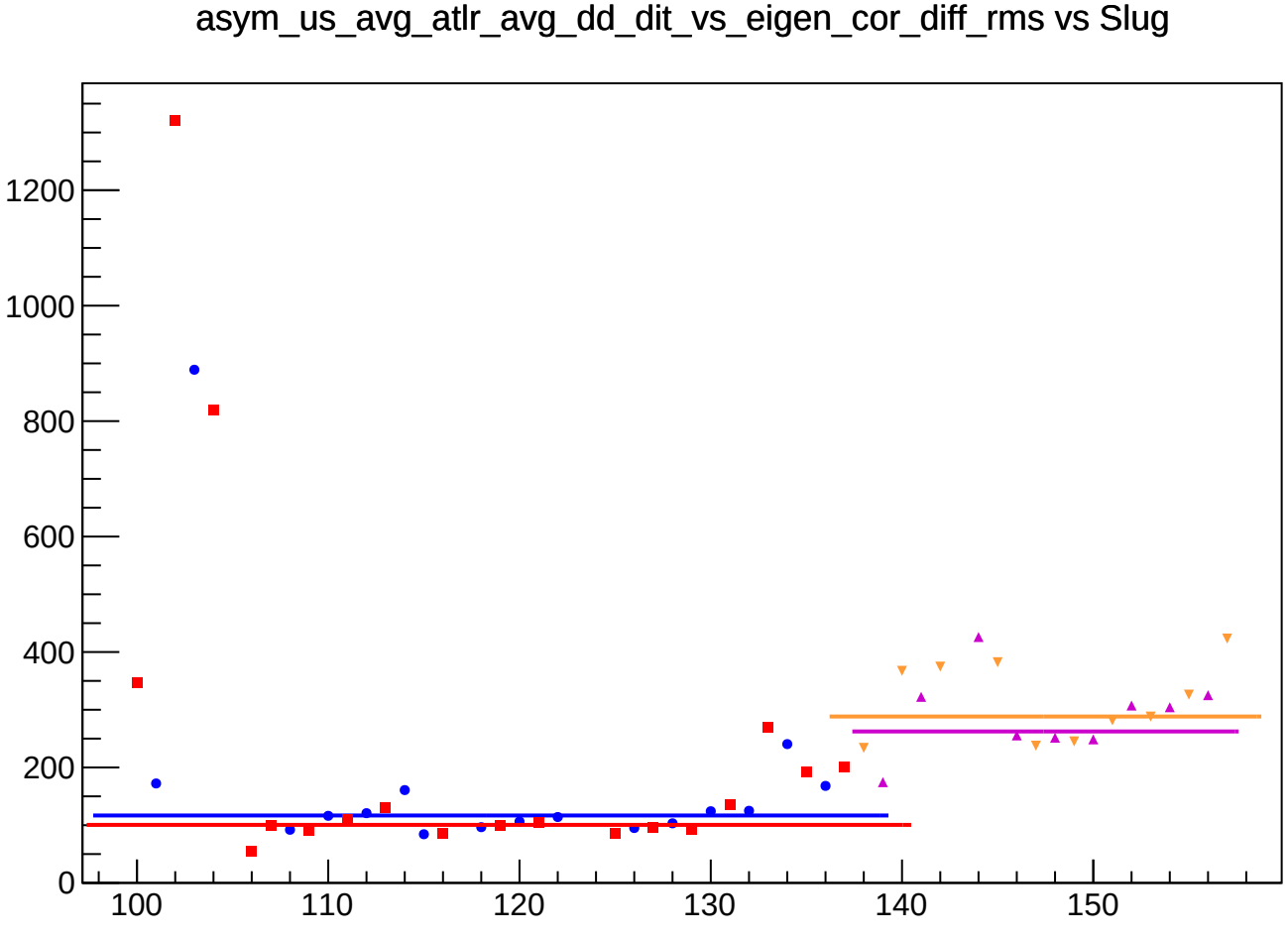
Left In: 262.385+/-0.069 χ^2/NDF:844586.5/8

+ sign 145.422+/-0.031 χ^2/NDF: 6576459.9/25

All: 135.501+/-0.021 χ^2/NDF: 14861719.9/52

- sign 127.195+/-0.028 χ^2/NDF: 8092634.6/26


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.089+/-0.098 χ²/NDF:9.7/8
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.006+/-0.029 χ²/NDF: 62.5/52
- sign -0.010+/-0.040 χ²/NDF: 36.6/26



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 288.270+/-0.075 χ^2/NDF:606264.4/9

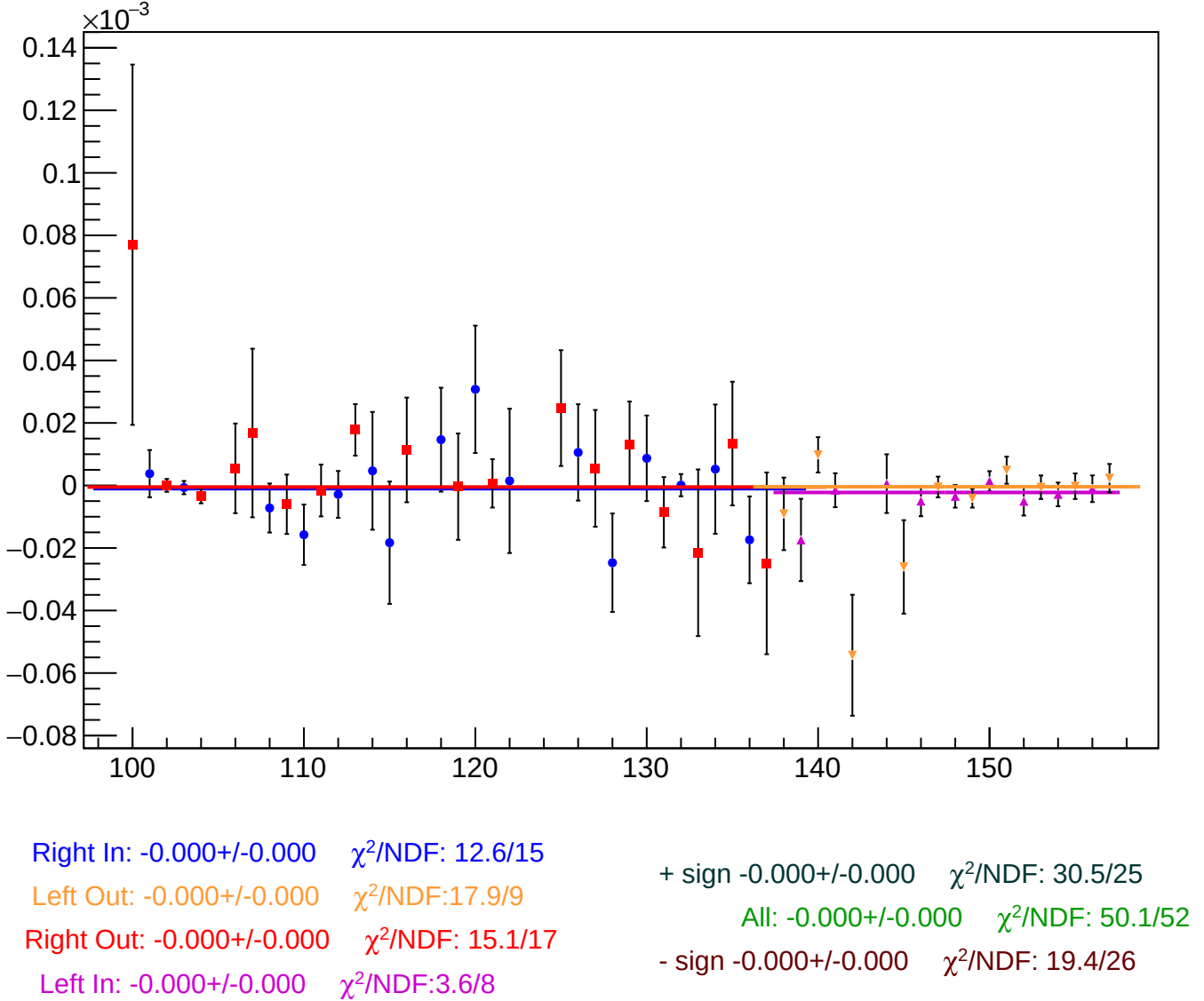
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

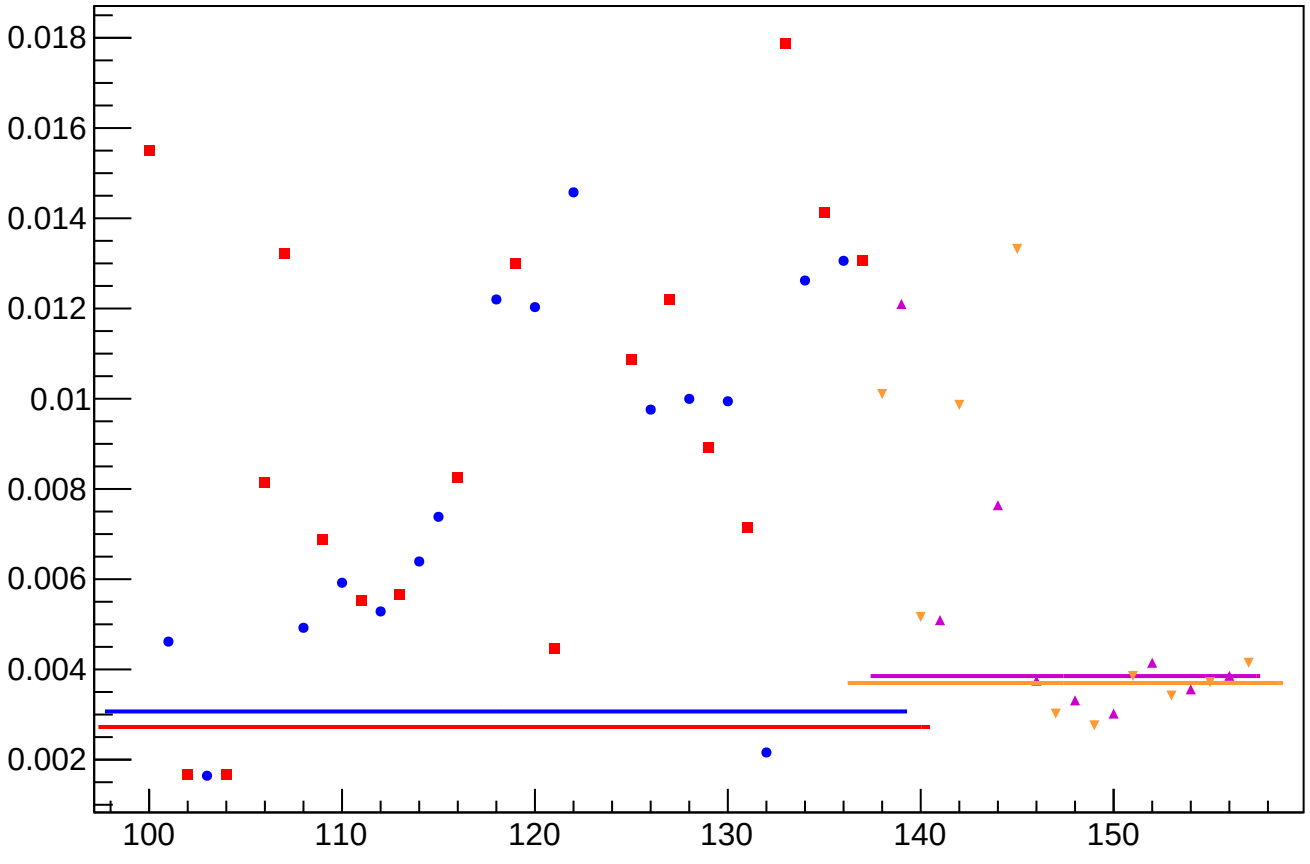
Left In: 262.385+/-0.069 χ^2/NDF:844586.5/8

+ sign 145.422+/-0.031 χ^2/NDF: 6576459.9/25

All: 135.501+/-0.021 χ^2/NDF: 14861719.9/52

- sign 127.195+/-0.028 χ^2/NDF: 8092634.6/26


asym_us_avg_atlr_avg_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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:17.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.1/17
Left In: -0.000+/-0.000 χ²/NDF:3.6/8
+ sign -0.000+/-0.000 χ²/NDF: 30.5/25
All: -0.000+/-0.000 χ²/NDF: 50.1/52
- sign -0.000+/-0.000 χ²/NDF: 19.4/26



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2085327.1/9

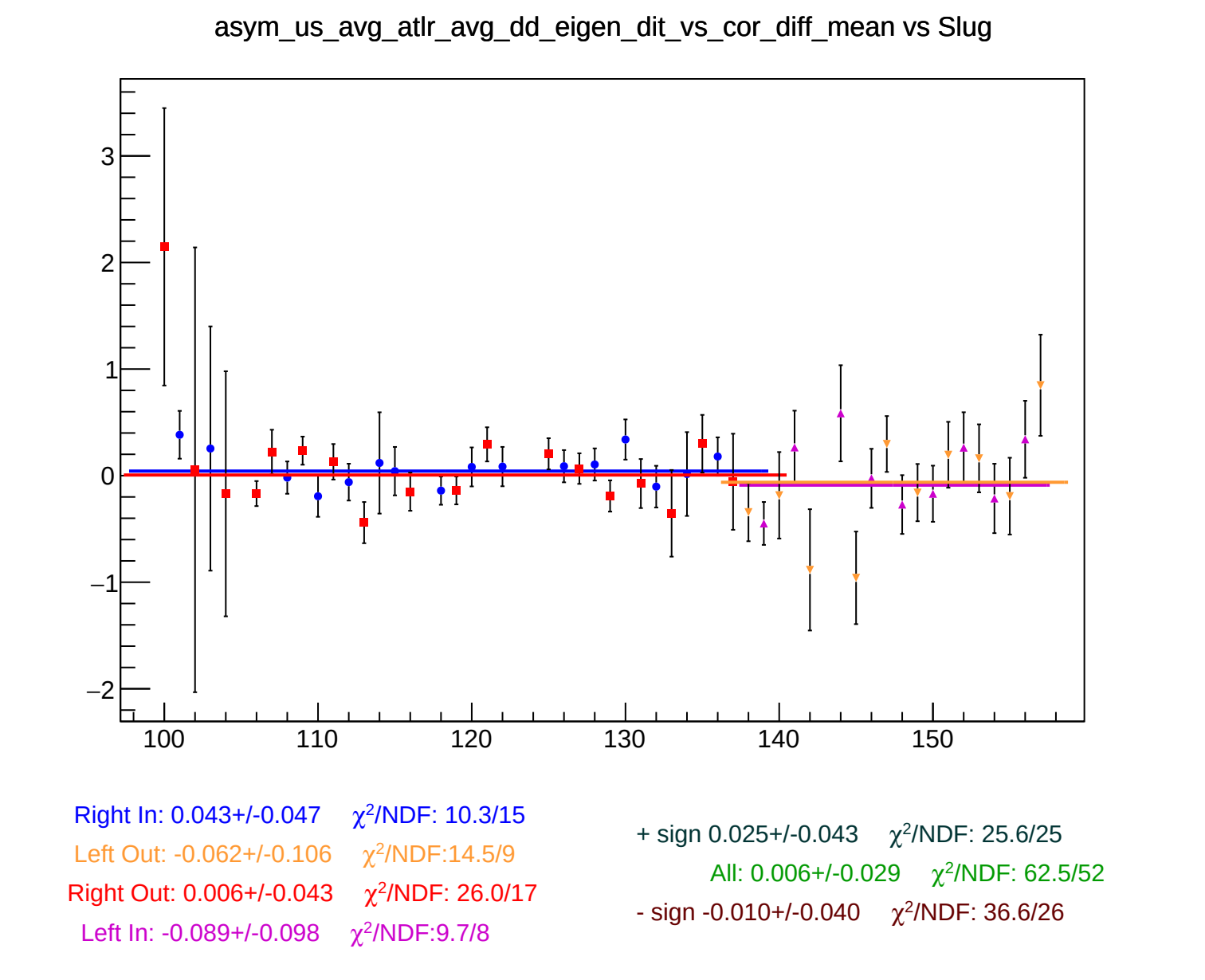
Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

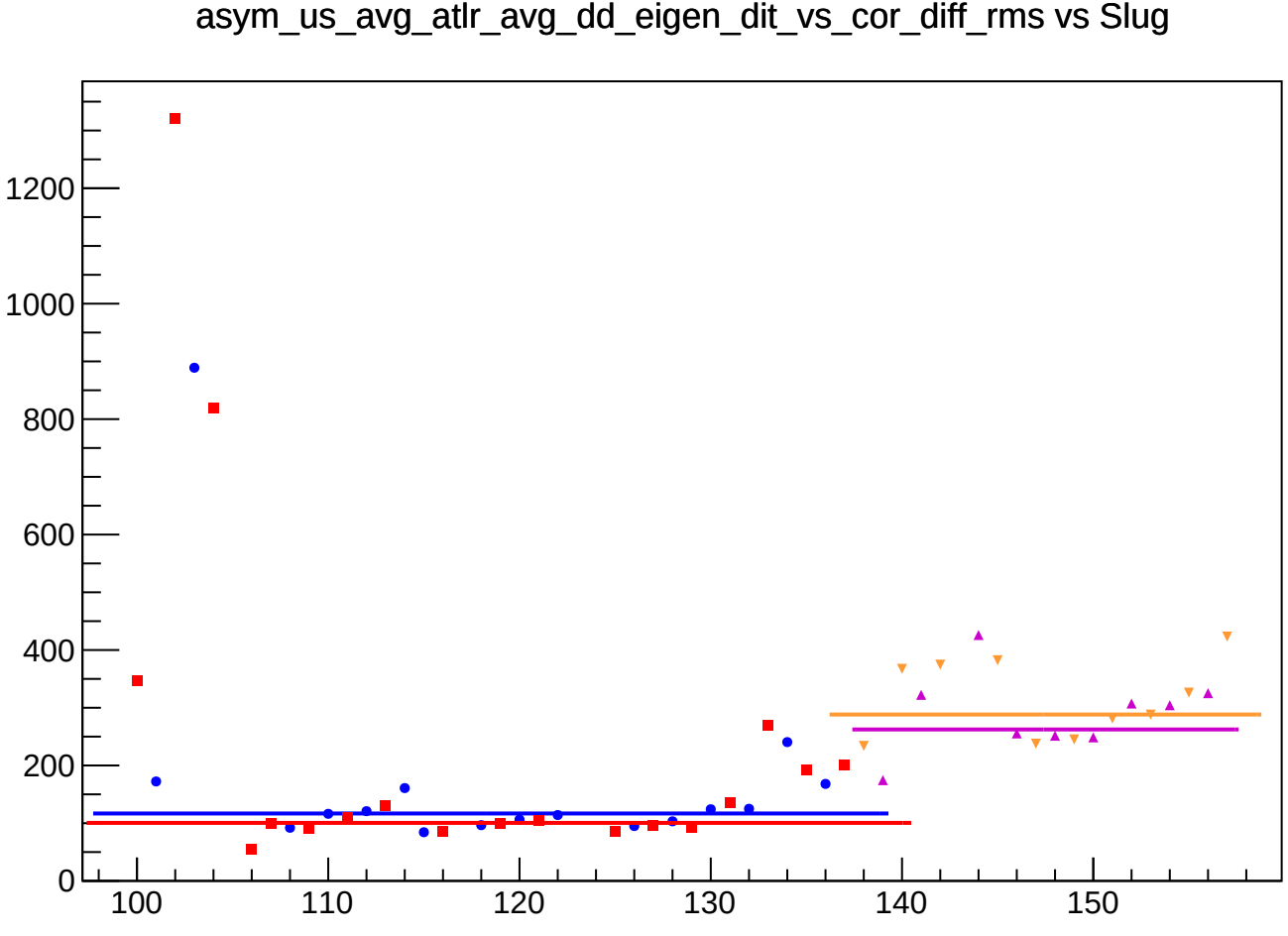
Left In: 0.004+/-0.000 χ^2/NDF:1414672.2/8

+ sign 0.003+/-0.000 χ^2/NDF: 8223108.9/25

All: 0.003+/-0.000 χ^2/NDF: 16979744.5/52

- sign 0.003+/-0.000 χ^2/NDF: 8731184.1/26


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.062+/-0.106 χ²/NDF:14.5/9
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.089+/-0.098 χ²/NDF:9.7/8
+ sign 0.025+/-0.043 χ²/NDF: 25.6/25
All: 0.006+/-0.029 χ²/NDF: 62.5/52
- sign -0.010+/-0.040 χ²/NDF: 36.6/26



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

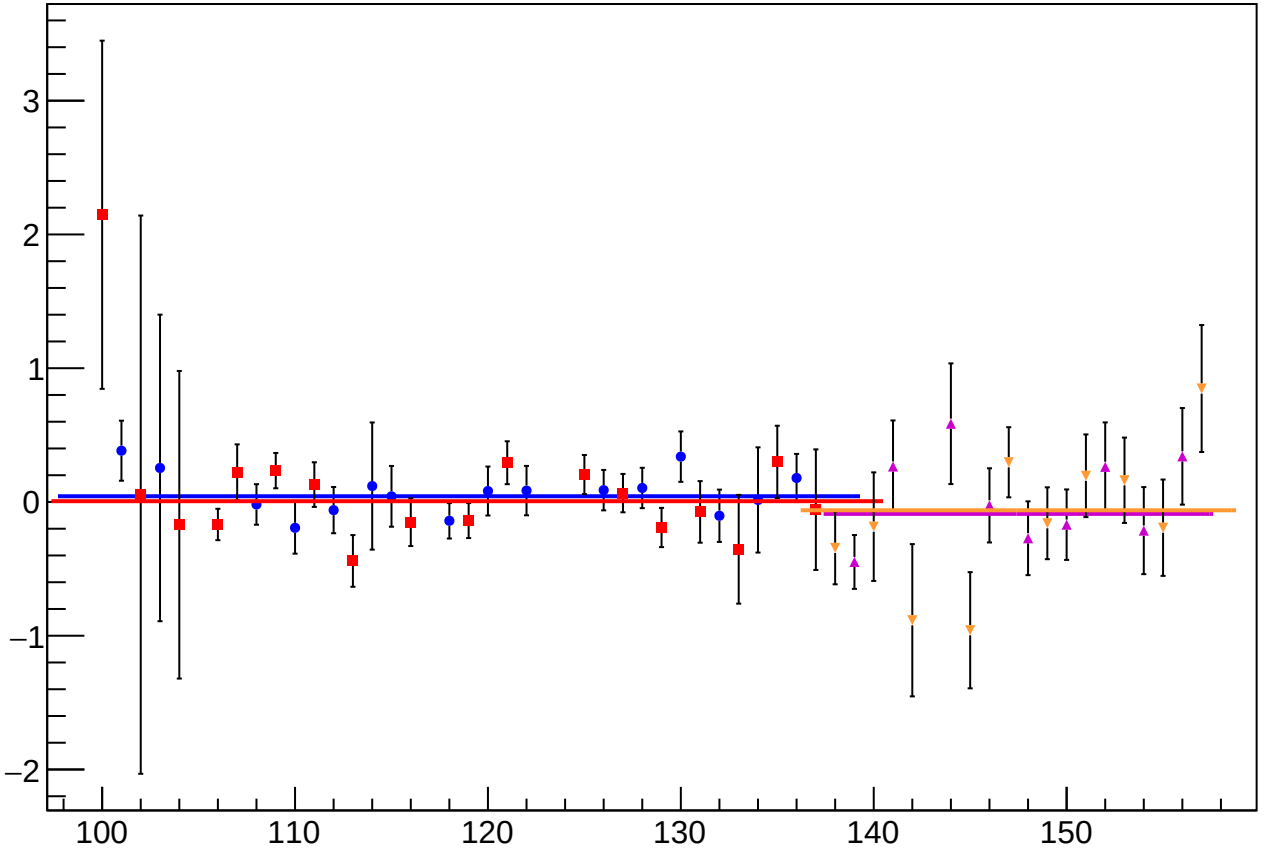
Left In: 262.388+/-0.069 χ^2/NDF:844546.0/8

+ sign 145.422+/-0.031 χ^2/NDF: 6576533.6/25

All: 135.501+/-0.021 χ^2/NDF: 14862022.3/52

- sign 127.194+/-0.028 χ^2/NDF: 8092843.2/26

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.106 χ^2/NDF:14.5/9

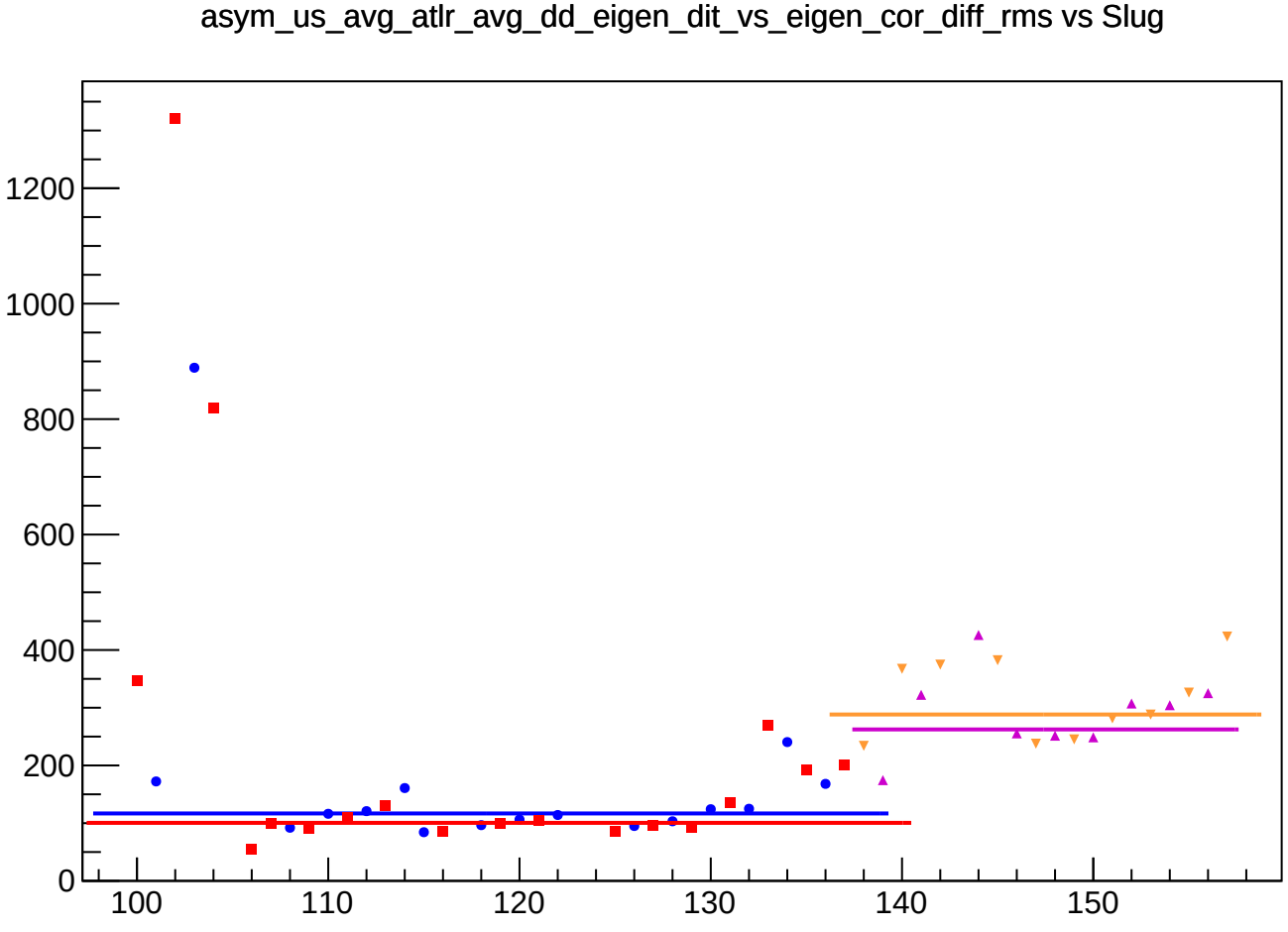
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.089+/-0.098 χ^2/NDF:9.7/8

+ sign 0.025+/-0.043 χ^2/NDF: 25.6/25

All: 0.006+/-0.029 χ^2/NDF: 62.5/52

- sign -0.010+/-0.040 χ^2/NDF: 36.6/26



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 288.273+/-0.075 χ^2/NDF:606265.1/9

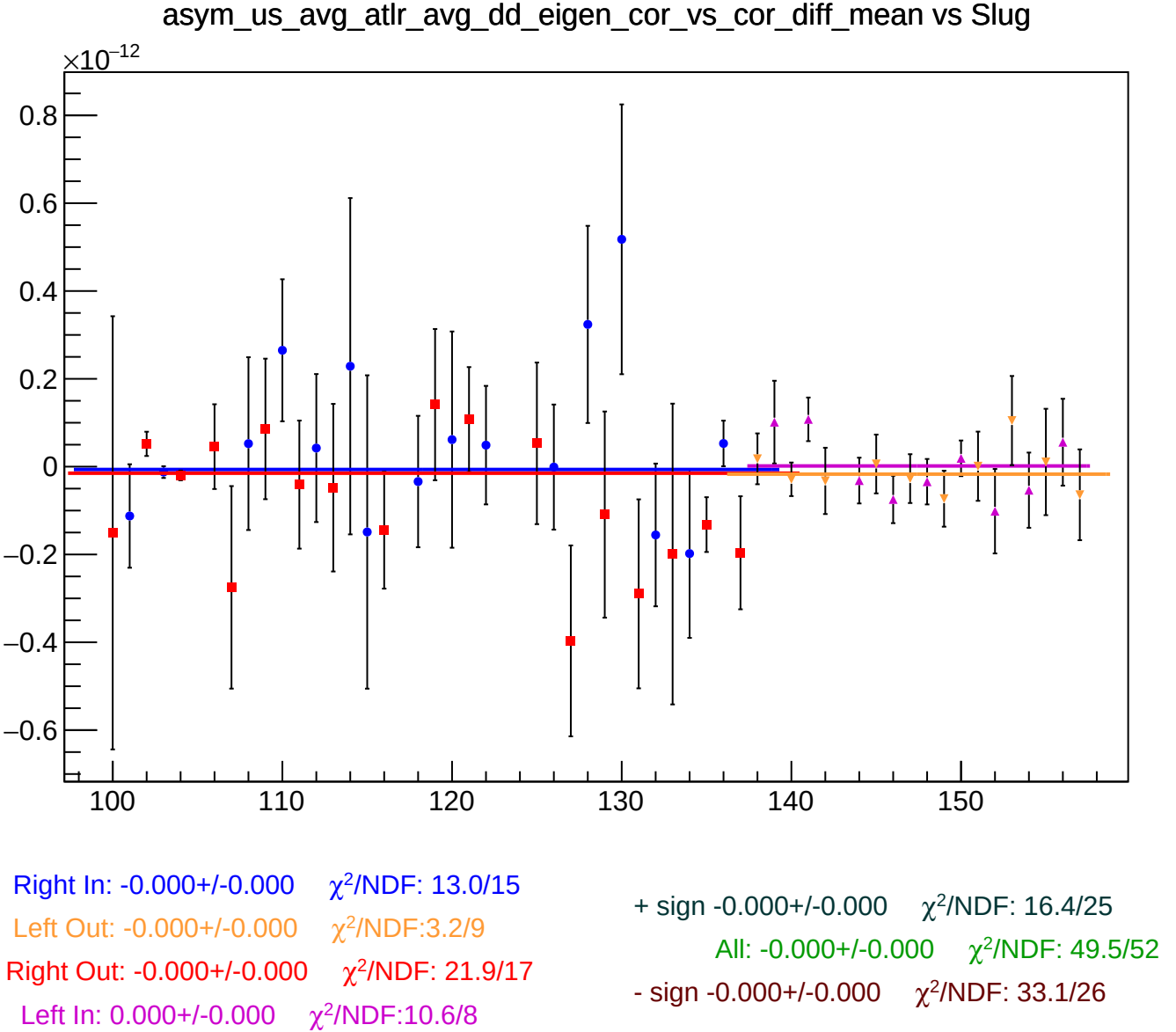
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

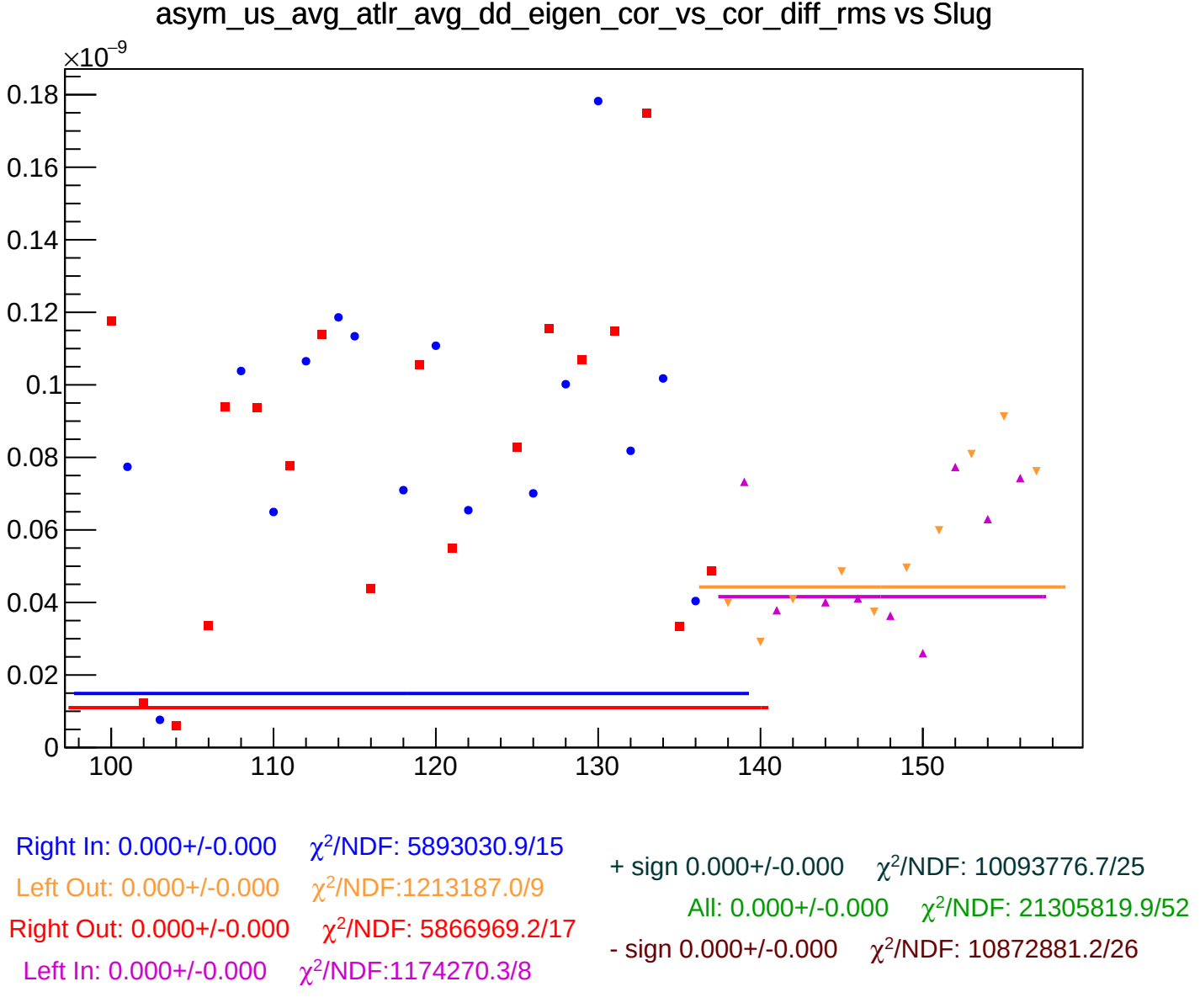
Left In: 262.388+/-0.069 χ^2/NDF:844546.0/8

+ sign 145.422+/-0.031 χ^2/NDF: 6576533.6/25

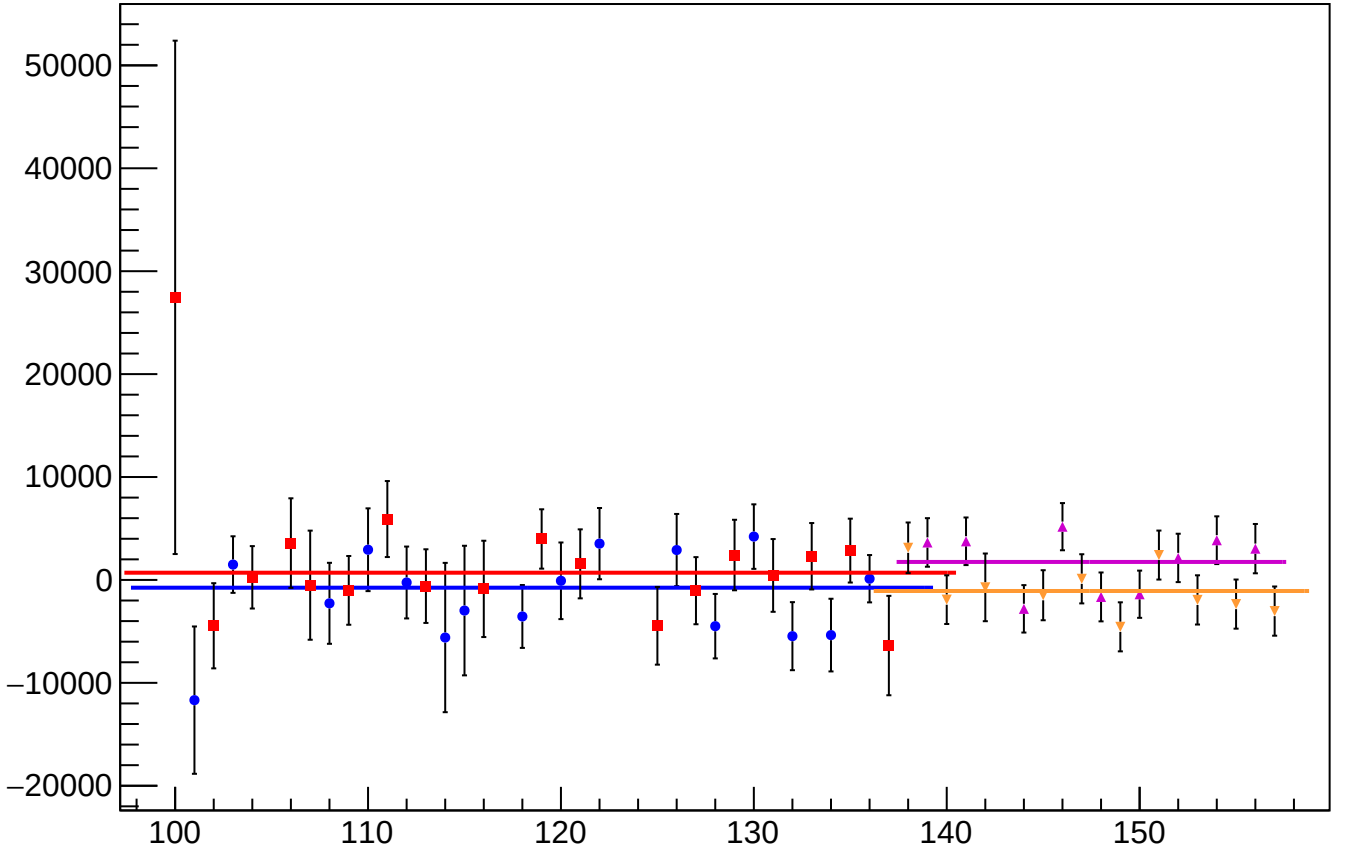
All: 135.501+/-0.021 χ^2/NDF: 14862022.3/52

- sign 127.194+/-0.028 χ^2/NDF: 8092843.2/26


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.2/9
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: 0.000+/-0.000 χ²/NDF:10.6/8
+ sign -0.000+/-0.000 χ²/NDF: 16.4/25
All: -0.000+/-0.000 χ²/NDF: 49.5/52
- sign -0.000+/-0.000 χ²/NDF: 33.1/26


asym_us_avg_atlr_avg_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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1213187.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1174270.3/8
+ sign 0.000+/-0.000 χ²/NDF: 10093776.7/25
All: 0.000+/-0.000 χ²/NDF: 21305819.9/52
- sign 0.000+/-0.000 χ²/NDF: 10872881.2/26

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -1074.811+/-776.380 χ^2/NDF:8.7/9

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

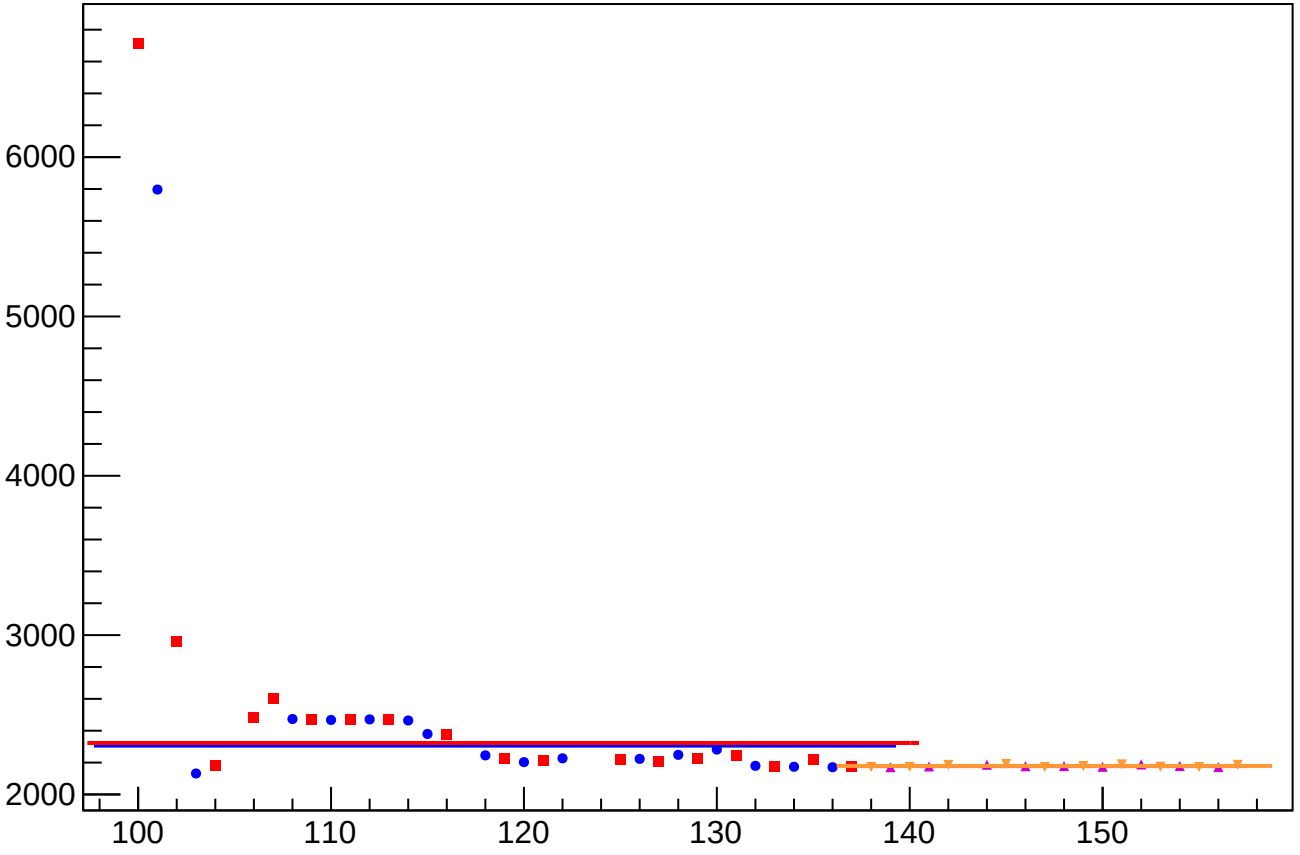
Left In: 1747.816+/-777.702 χ^2/NDF:12.6/8

+ sign -933.200+/-580.046 χ^2/NDF: 24.7/25

All: 175.907+/-409.930 χ^2/NDF: 57.7/52

- sign 1282.591+/-579.412 χ^2/NDF: 25.8/26

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

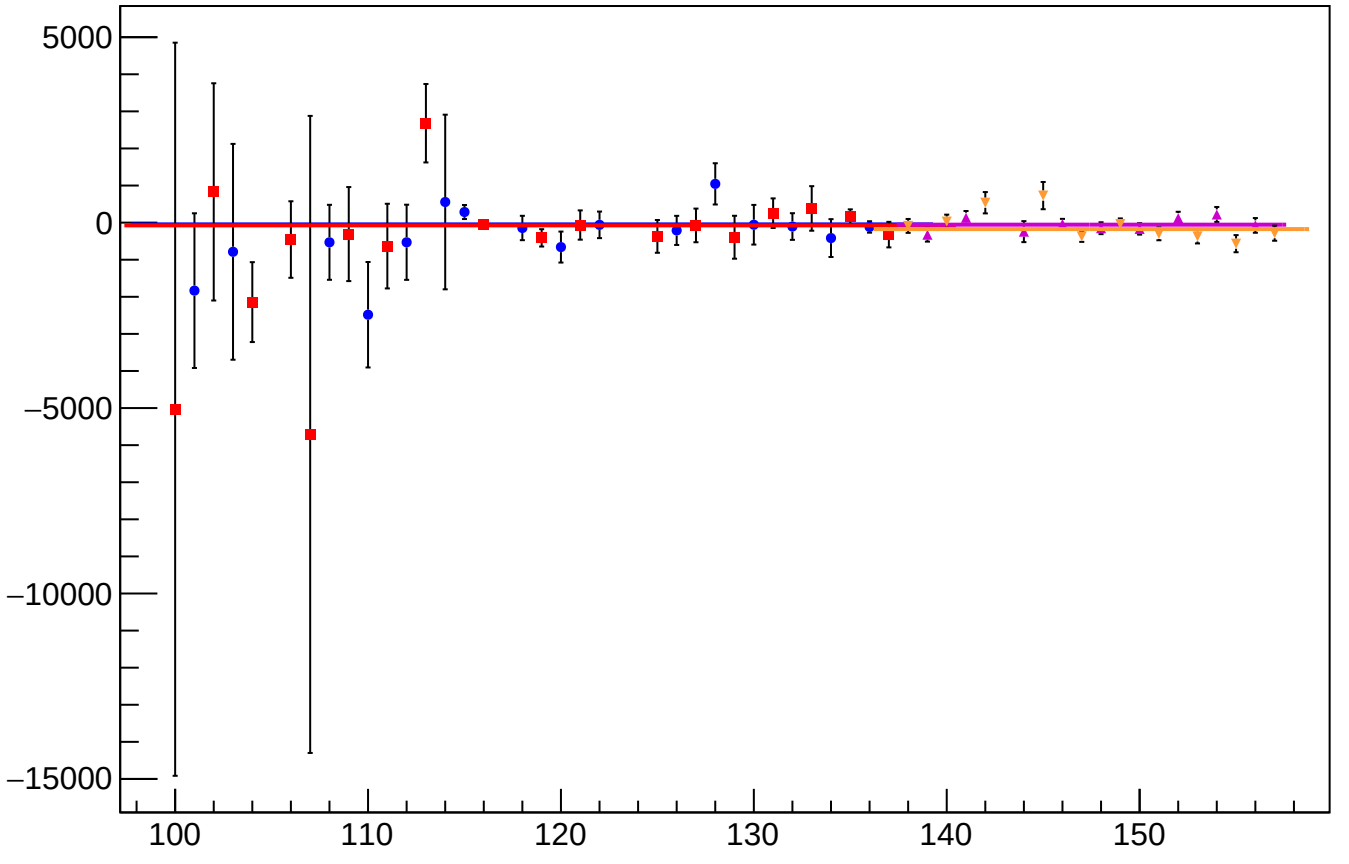
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.948+/-0.550 χ^2/NDF:108.7/8

+ sign 2235.321+/-0.410 χ^2/NDF: 538257.2/25

All: 2238.910+/-0.290 χ^2/NDF: 721266.0/52

- sign 2242.491+/-0.410 χ^2/NDF: 182855.8/26



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -173.753+/-60.739 χ^2/NDF:21.0/9

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

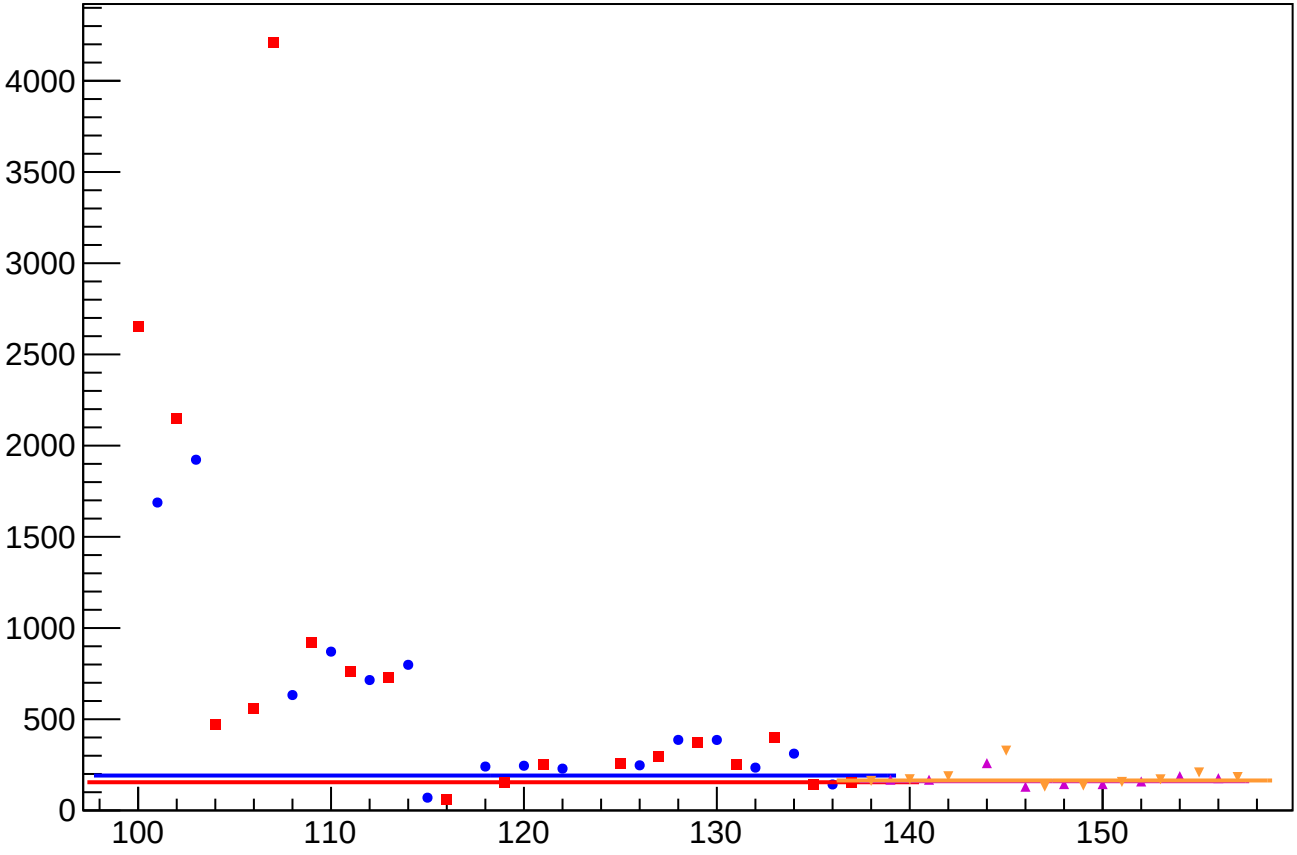
Left In: -55.166+/-58.997 χ^2/NDF:7.4/8

+ sign -134.923+/-50.505 χ^2/NDF: 36.7/25

All: -96.382+/-34.780 χ^2/NDF: 62.9/52

- sign -61.618+/-47.966 χ^2/NDF: 25.1/26

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.318+/-0.043 χ^2/NDF:681245.5/9

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

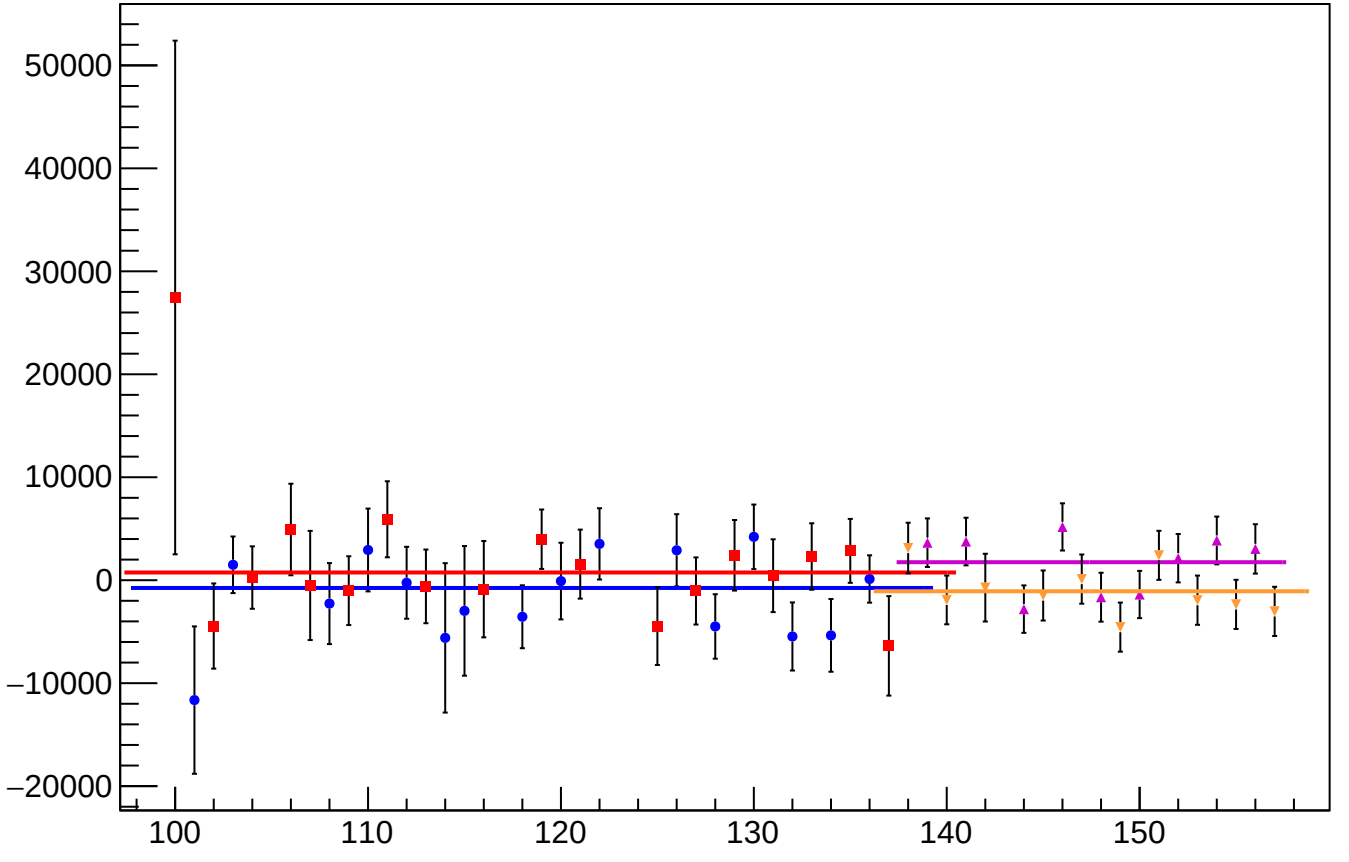
Left In: 160.215+/-0.042 χ^2/NDF:440202.5/8

+ sign 172.669+/-0.036 χ^2/NDF: 5868524.8/25

All: 165.134+/-0.025 χ^2/NDF: 12553660.1/52

- sign 158.338+/-0.034 χ^2/NDF: 6600463.9/26

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

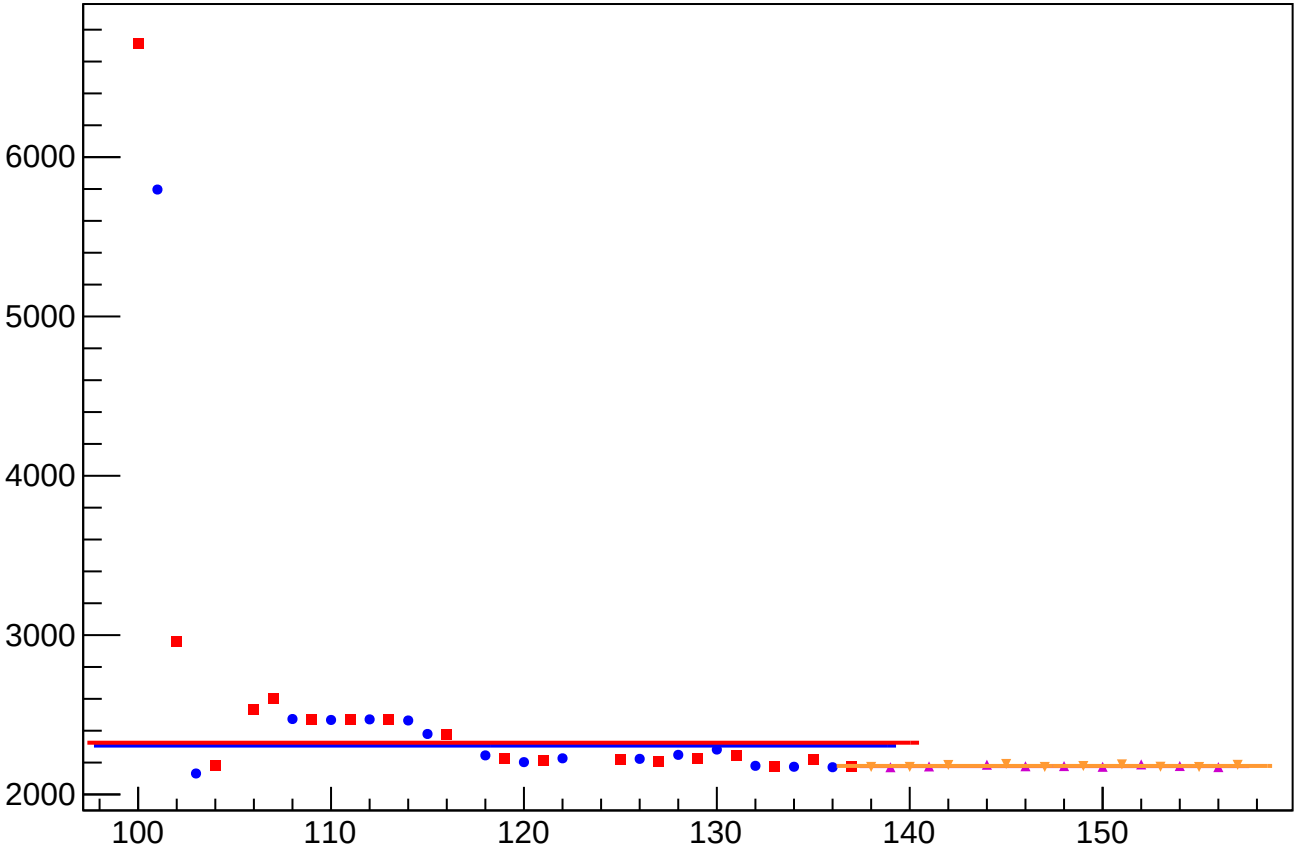
Left In: 1747.785+/-777.702 χ^2/NDF:12.6/8

\+ sign -932.781+/-580.046 χ^2/NDF: 24.6/25

All: 186.394+/-410.006 χ^2/NDF: 58.2/52

\- sign 1303.947+/-579.626 χ^2/NDF: 26.2/26

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

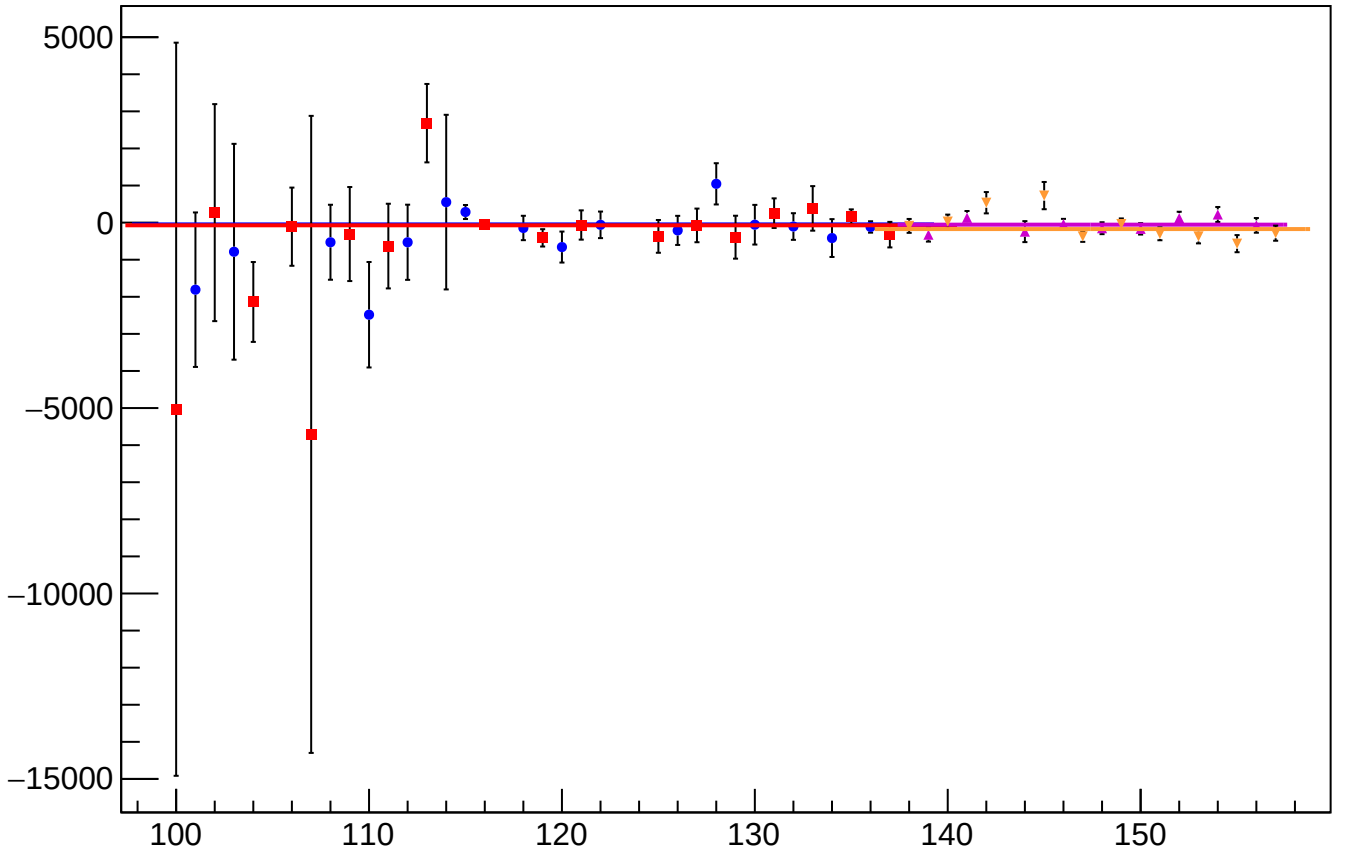
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.948+/-0.550 χ^2/NDF:108.7/8

+ sign 2235.321+/-0.410 χ^2/NDF: 538257.5/25

All: 2239.251+/-0.290 χ^2/NDF: 723778.0/52

- sign 2243.176+/-0.410 χ^2/NDF: 185336.9/26



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.717+/-60.740 χ^2/NDF:21.0/9

Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

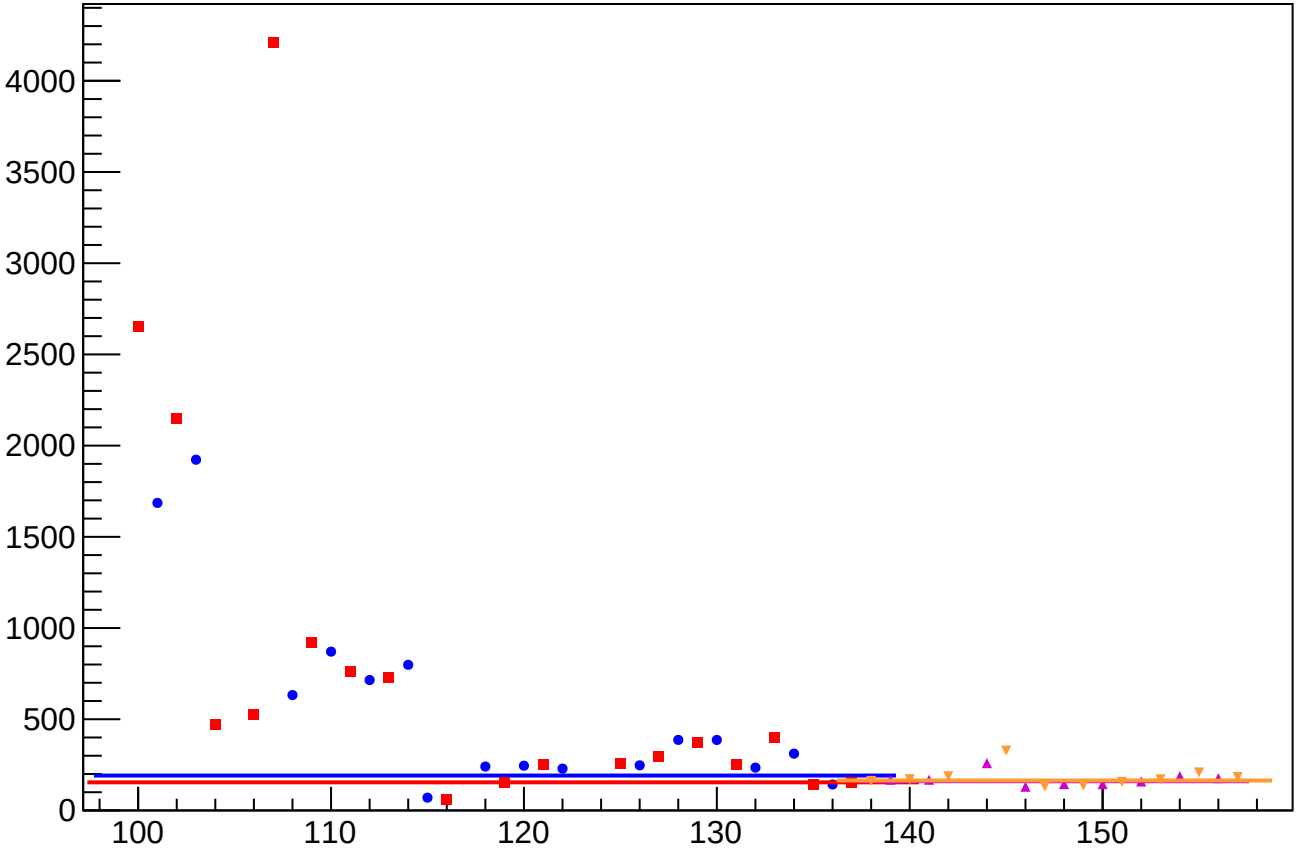
Left In: -55.181+/-59.003 χ^2/NDF:7.4/8

+ sign -134.911+/-50.506 χ^2/NDF: 36.7/25

All: -96.020+/-34.777 χ^2/NDF: 62.6/52

- sign -60.956+/-47.957 χ^2/NDF: 24.8/26

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.320+/-0.043 χ^2/NDF:681295.8/9

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

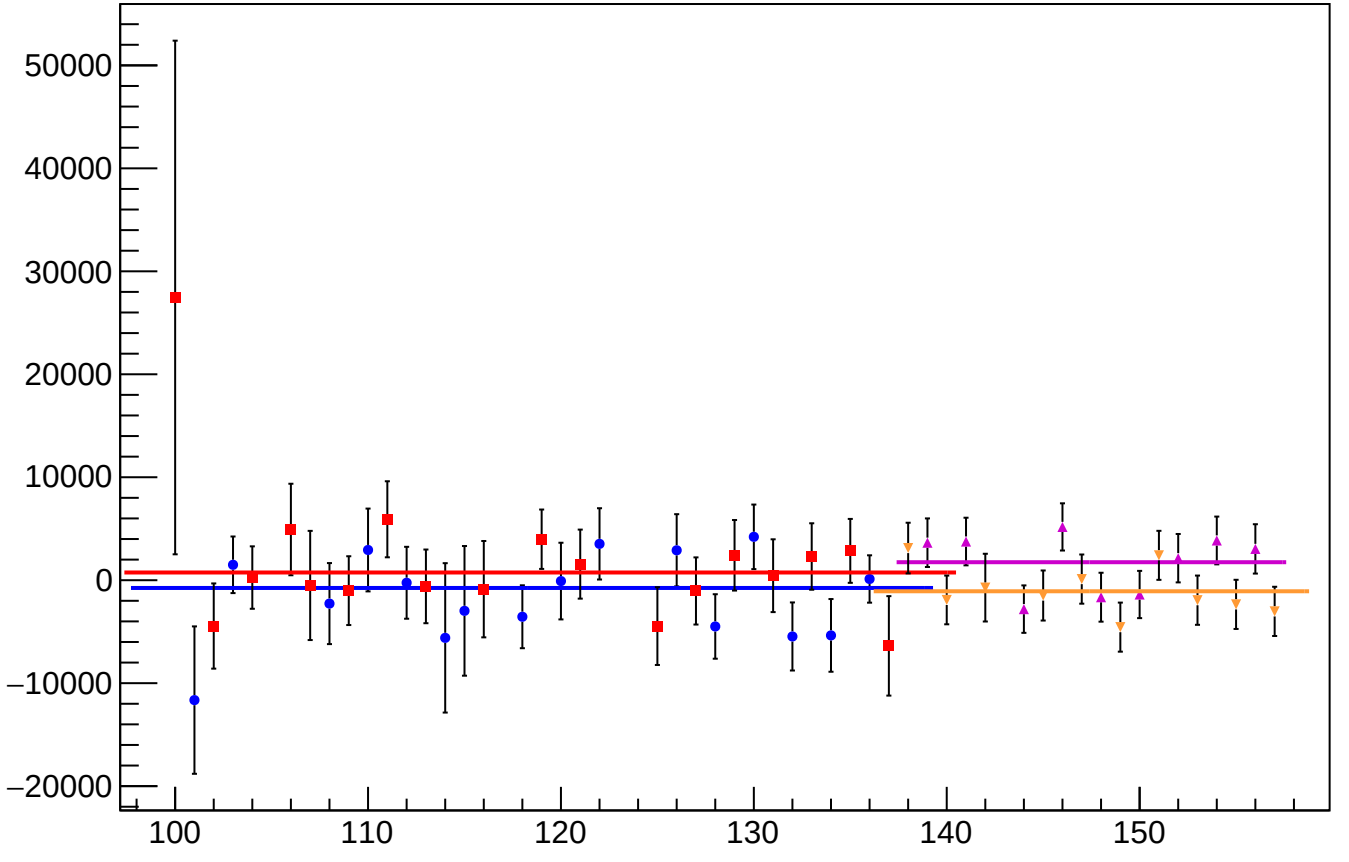
Left In: 160.234+/-0.042 χ^2/NDF:440225.7/8

+ sign 172.678+/-0.036 χ^2/NDF: 5867616.8/25

All: 165.043+/-0.025 χ^2/NDF: 12510702.3/52

- sign 158.159+/-0.034 χ^2/NDF: 6556176.1/26

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -1074.828+/-776.380 χ^2/NDF:8.7/9

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

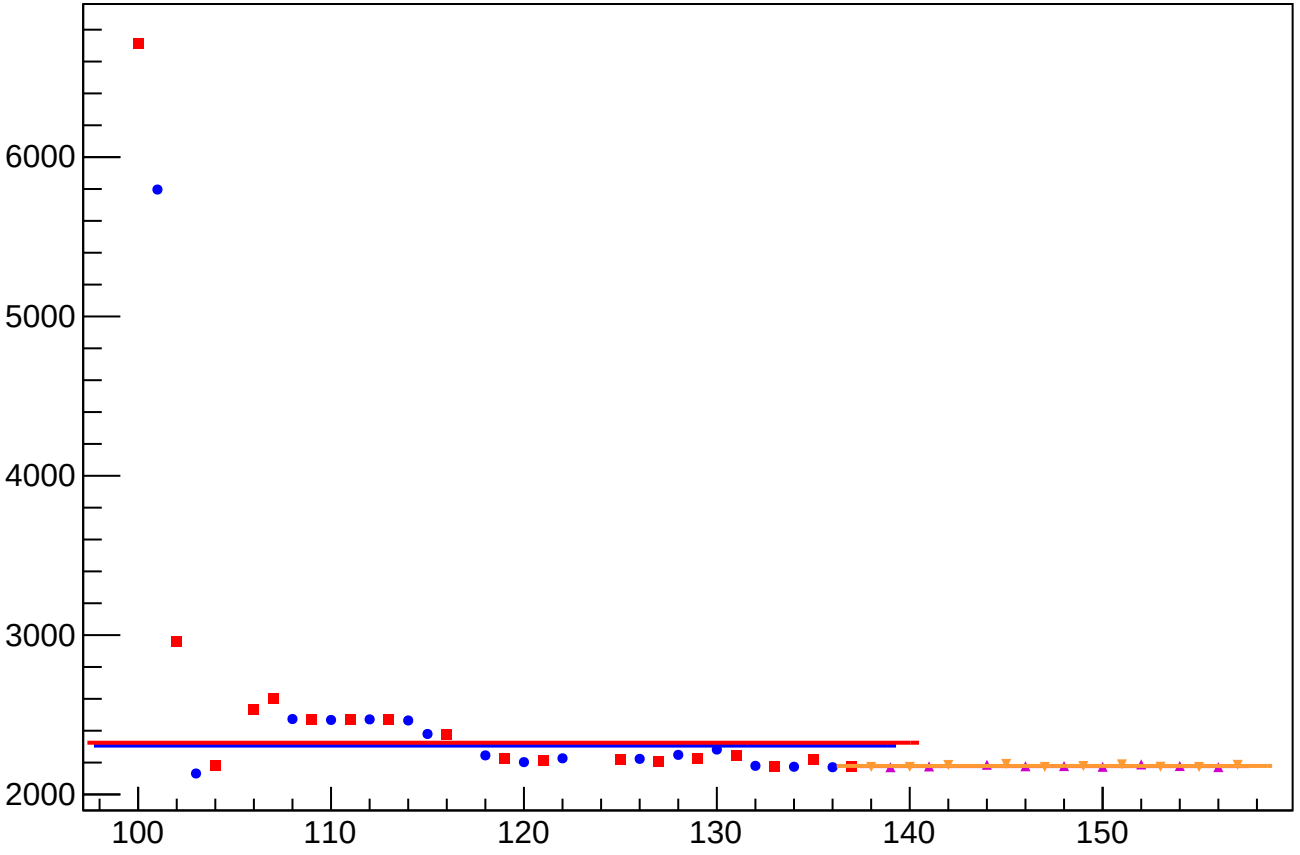
Left In: 1747.785+/-777.702 χ^2/NDF:12.6/8

+ sign -932.781+/-580.046 χ^2/NDF: 24.6/25

All: 186.394+/-410.006 χ^2/NDF: 58.2/52

- sign 1303.947+/-579.626 χ^2/NDF: 26.2/26

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.549 χ^2/NDF:172.3/9

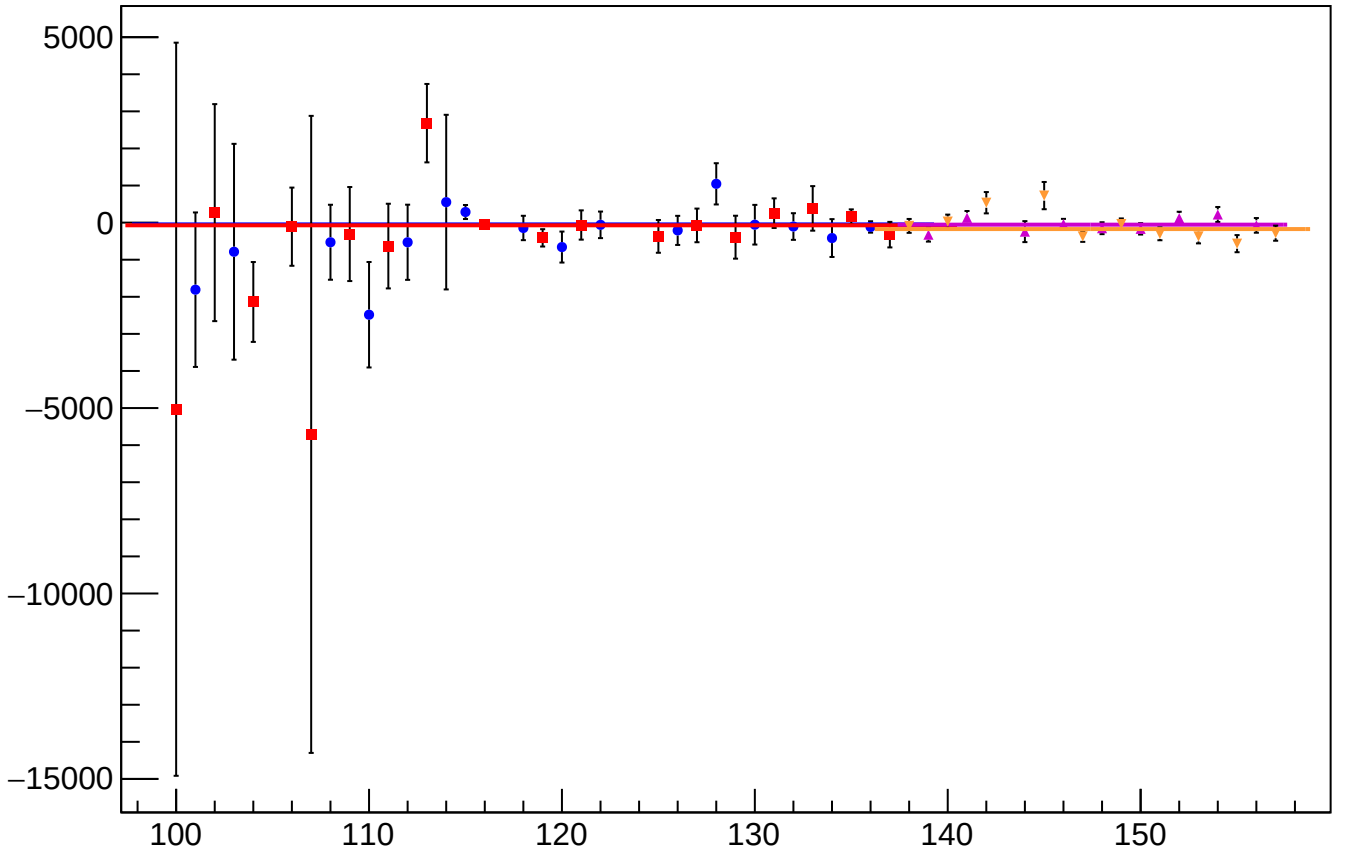
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.948+/-0.550 χ^2/NDF:108.7/8

+ sign 2235.321+/-0.410 χ^2/NDF: 538257.5/25

All: 2239.251+/-0.290 χ^2/NDF: 723778.0/52

- sign 2243.176+/-0.410 χ^2/NDF: 185336.9/26



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.717+/-60.740 χ^2/NDF:21.0/9

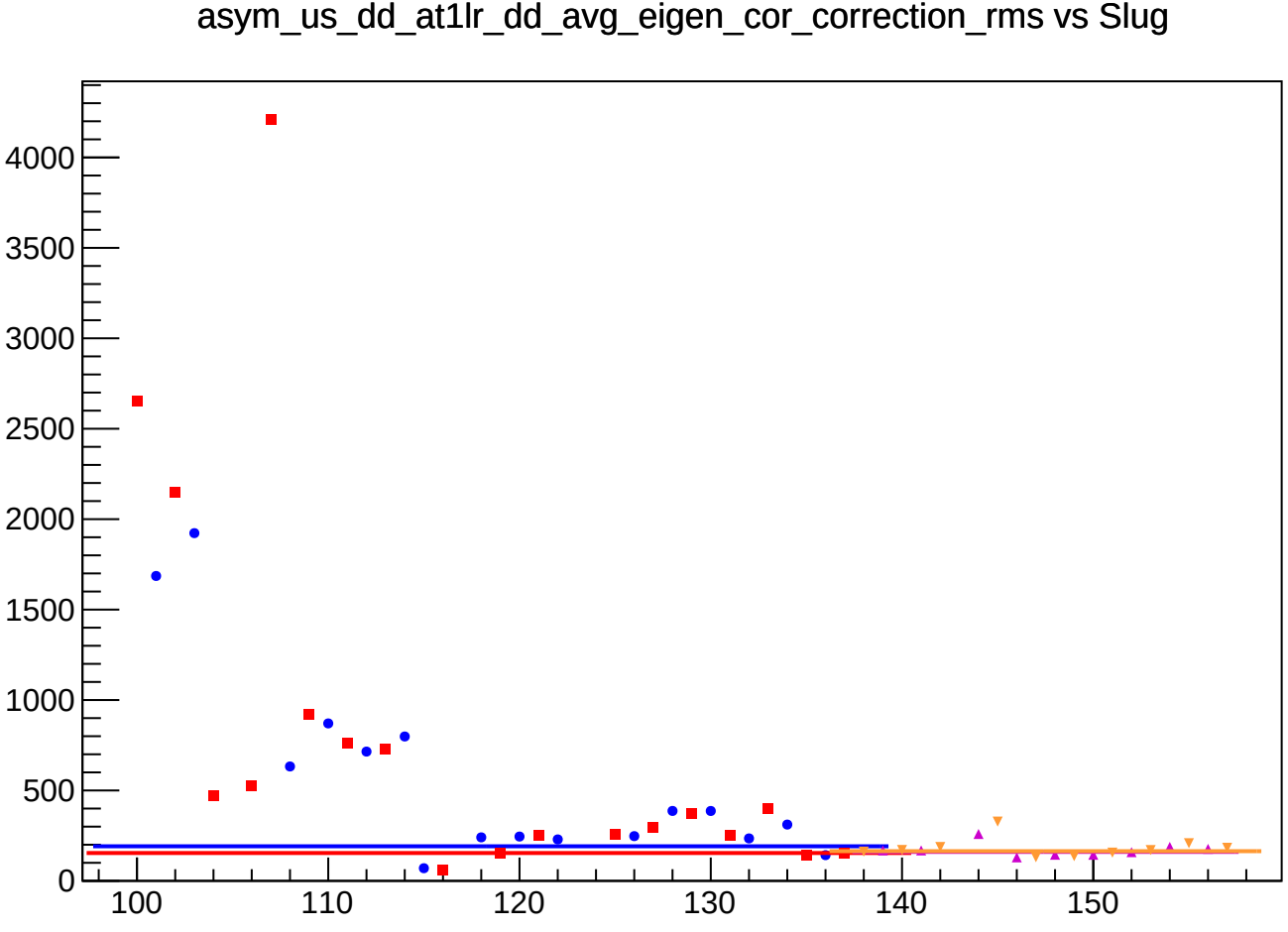
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -55.181+/-59.003 χ^2/NDF:7.4/8

+ sign -134.911+/-50.506 χ^2/NDF: 36.7/25

All: -96.020+/-34.777 χ^2/NDF: 62.6/52

- sign -60.956+/-47.957 χ^2/NDF: 24.8/26



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.320+/-0.043 χ^2/NDF:681295.8/9

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

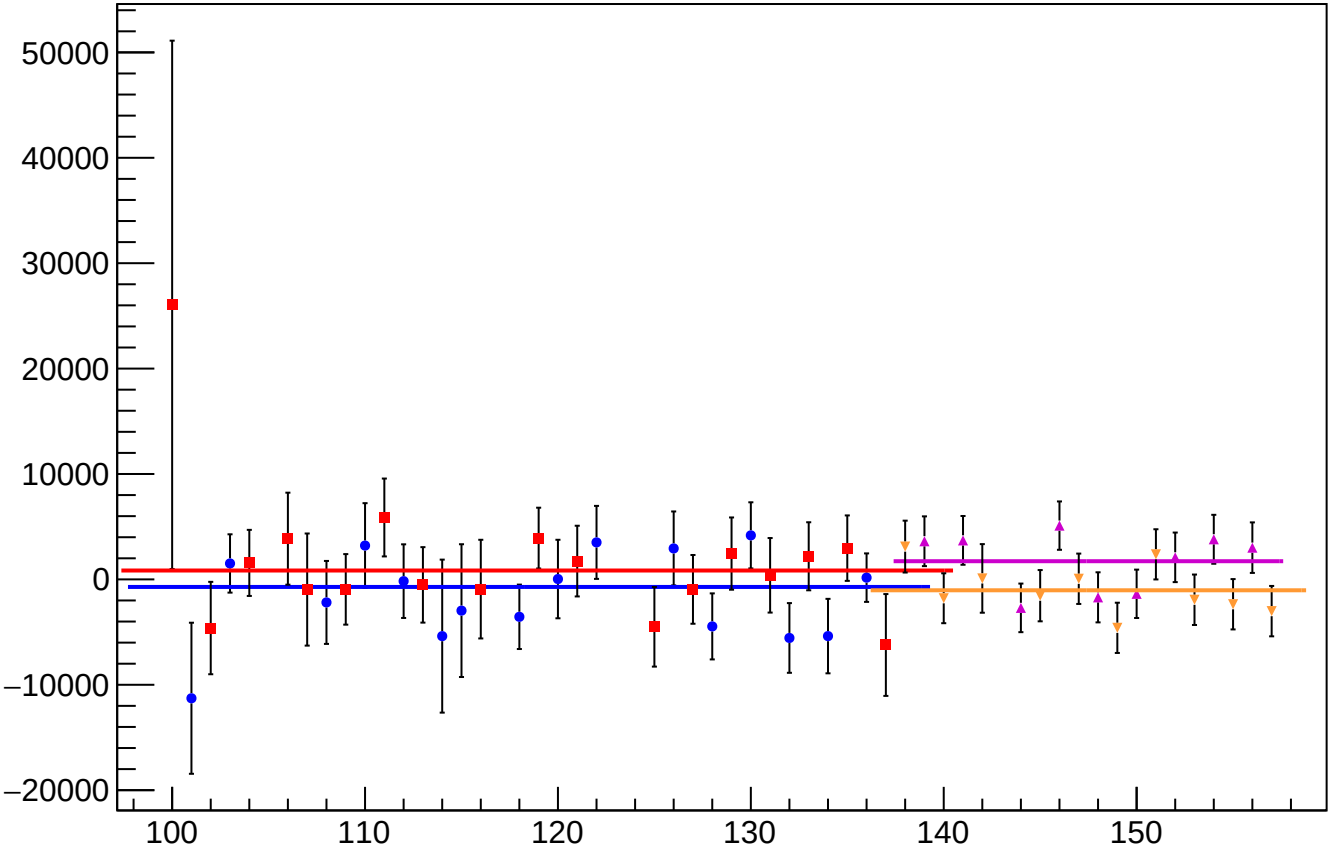
Left In: 160.234+/-0.042 χ^2/NDF:440225.7/8

+ sign 172.678+/-0.036 χ^2/NDF: 5867616.8/25

All: 165.043+/-0.025 χ^2/NDF: 12510702.3/52

- sign 158.159+/-0.034 χ^2/NDF: 6556176.1/26

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.175+/-776.176 χ^2/NDF:8.7/9

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

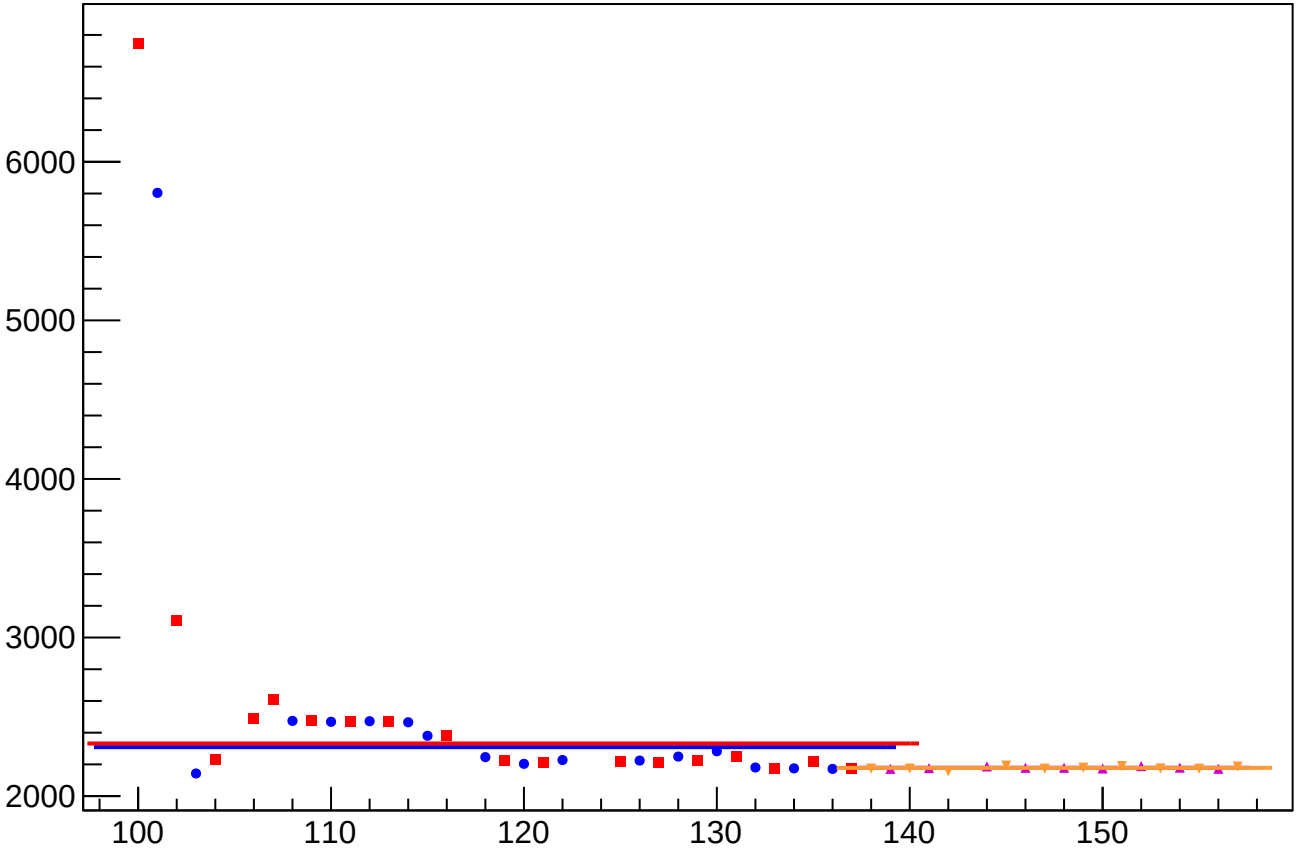
Left In: 1724.700+/-777.976 χ^2/NDF:12.2/8

\+ sign -894.302+/-580.221 χ^2/NDF: 24.7/25

All: 218.557+/-410.548 χ^2/NDF: 57.0/52

\- sign 1334.349+/-580.986 χ^2/NDF: 25.0/26

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

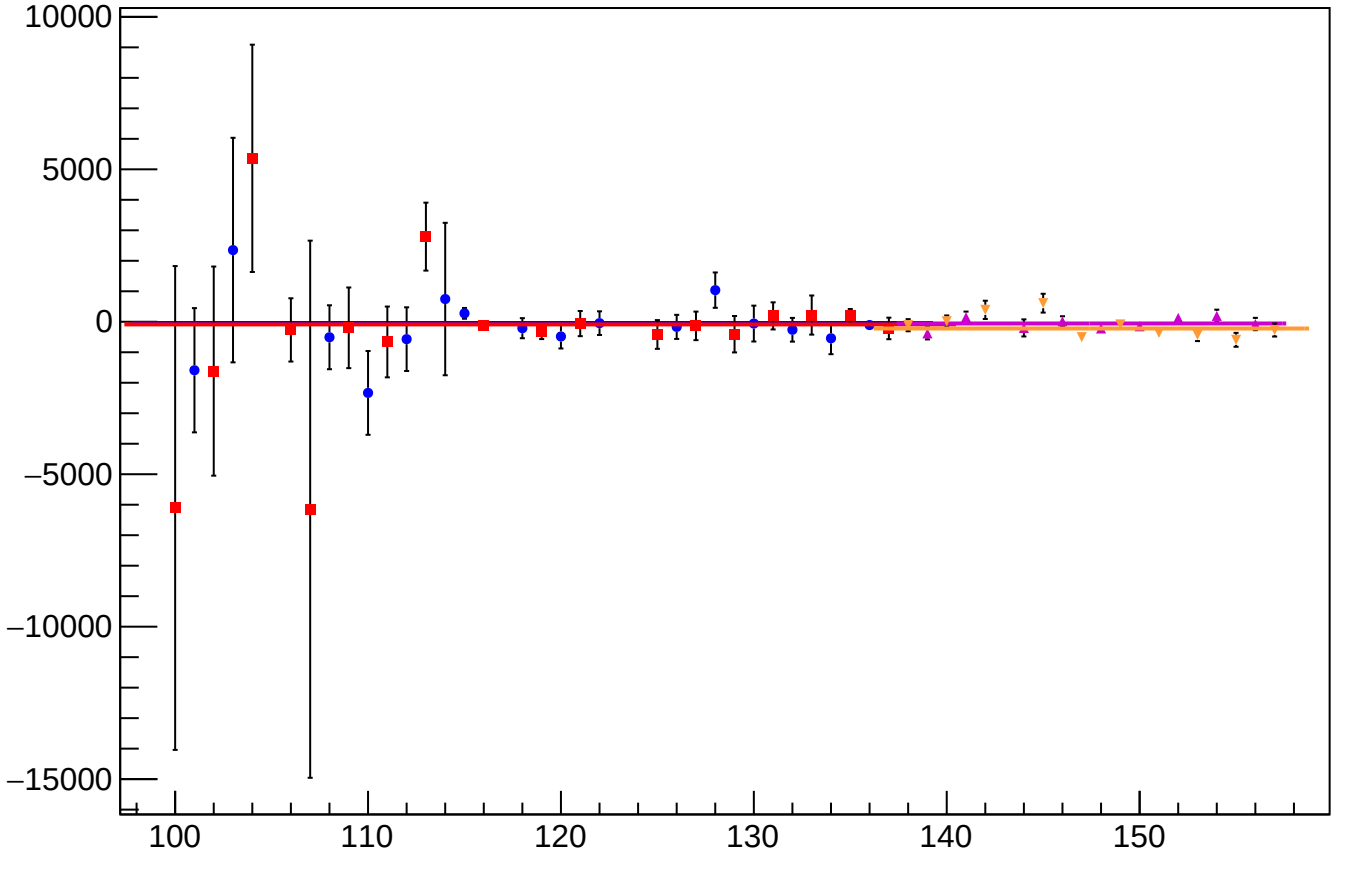
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.716+/-0.550 χ^2/NDF:106.7/8

+ sign 2235.662+/-0.410 χ^2/NDF: 539052.4/25

All: 2241.048+/-0.290 χ^2/NDF: 741099.4/52

- sign 2246.447+/-0.411 χ^2/NDF: 201701.9/26



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -220.764+/-61.656 χ^2/NDF:22.0/9

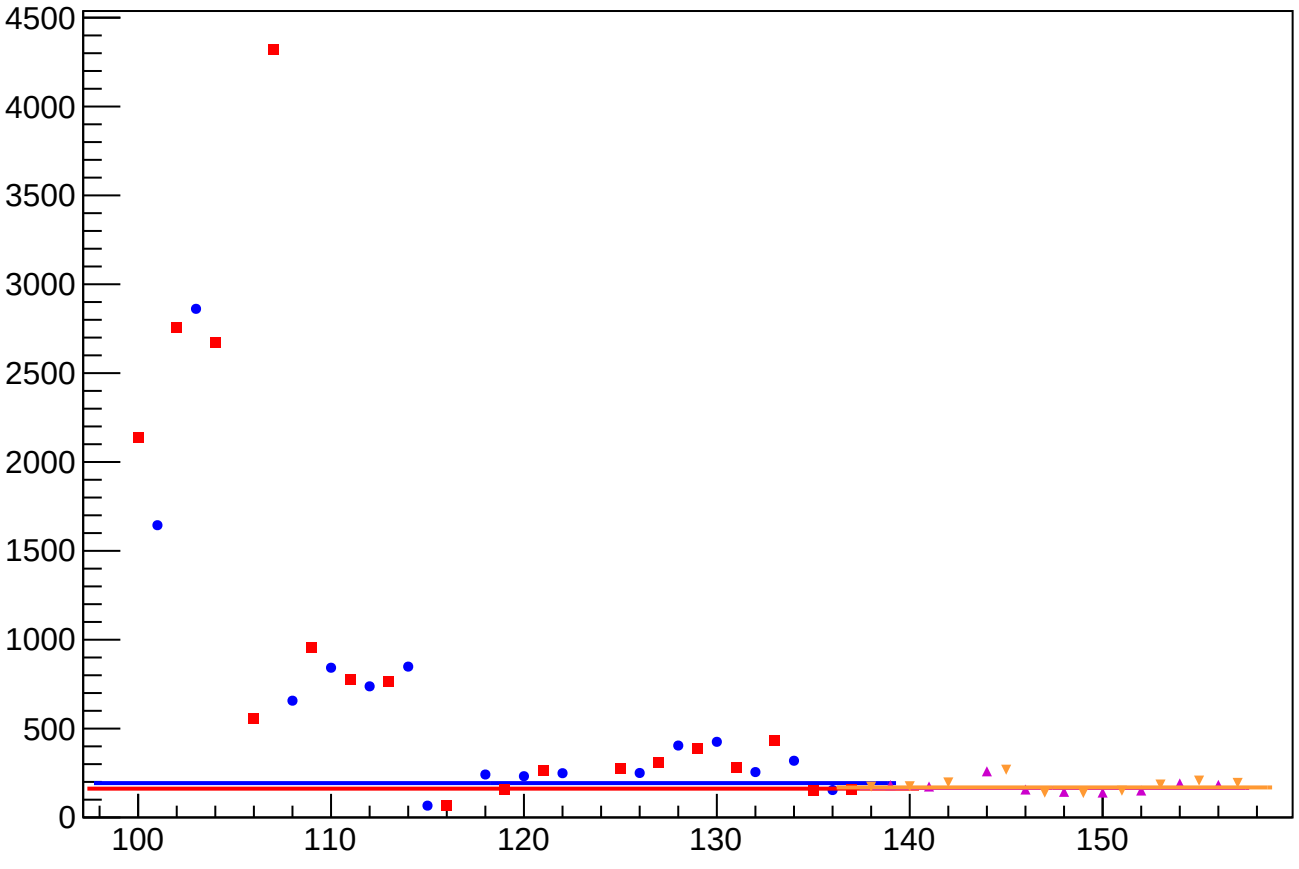
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -55.993+/-60.369 χ^2/NDF:8.5/8

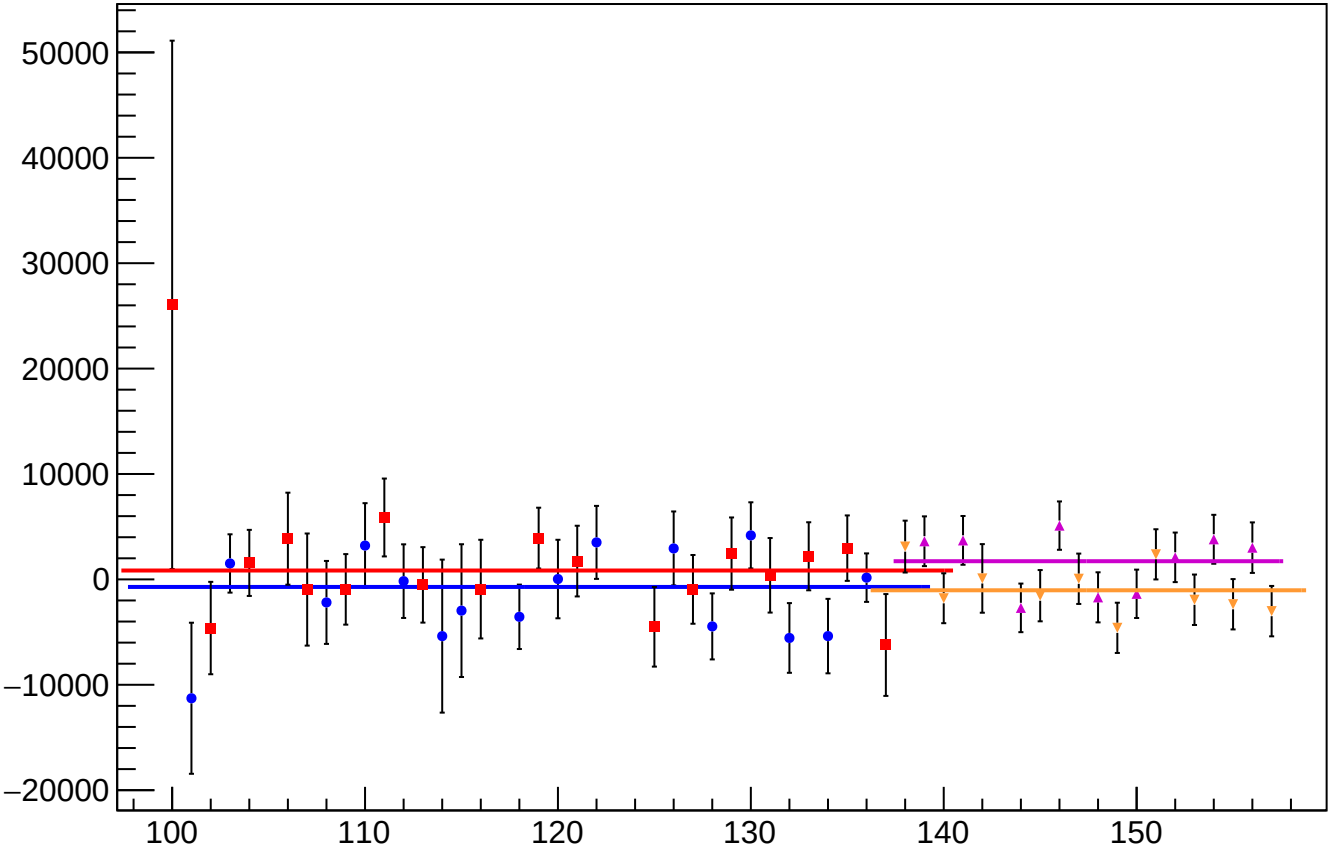
+ sign -165.118+/-51.288 χ^2/NDF: 38.7/25

All: -113.734+/-35.590 χ^2/NDF: 64.2/52

- sign -66.010+/-49.427 χ^2/NDF: 23.5/26


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
Right In: 193.255+/-0.065 χ²/NDF: 5617847.0/15
Left Out: 168.876+/-0.044 χ²/NDF:514555.6/9
Right Out: 162.114+/-0.061 χ²/NDF: 7070489.1/17
Left In: 165.889+/-0.043 χ²/NDF:406043.5/8
+ sign 176.386+/-0.036 χ²/NDF: 6228721.4/25
All: 170.298+/-0.025 χ²/NDF: 13762178.7/52
- sign 164.644+/-0.035 χ²/NDF: 7479109.9/26

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -1034.176+/-776.176 χ^2/NDF:8.7/9

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

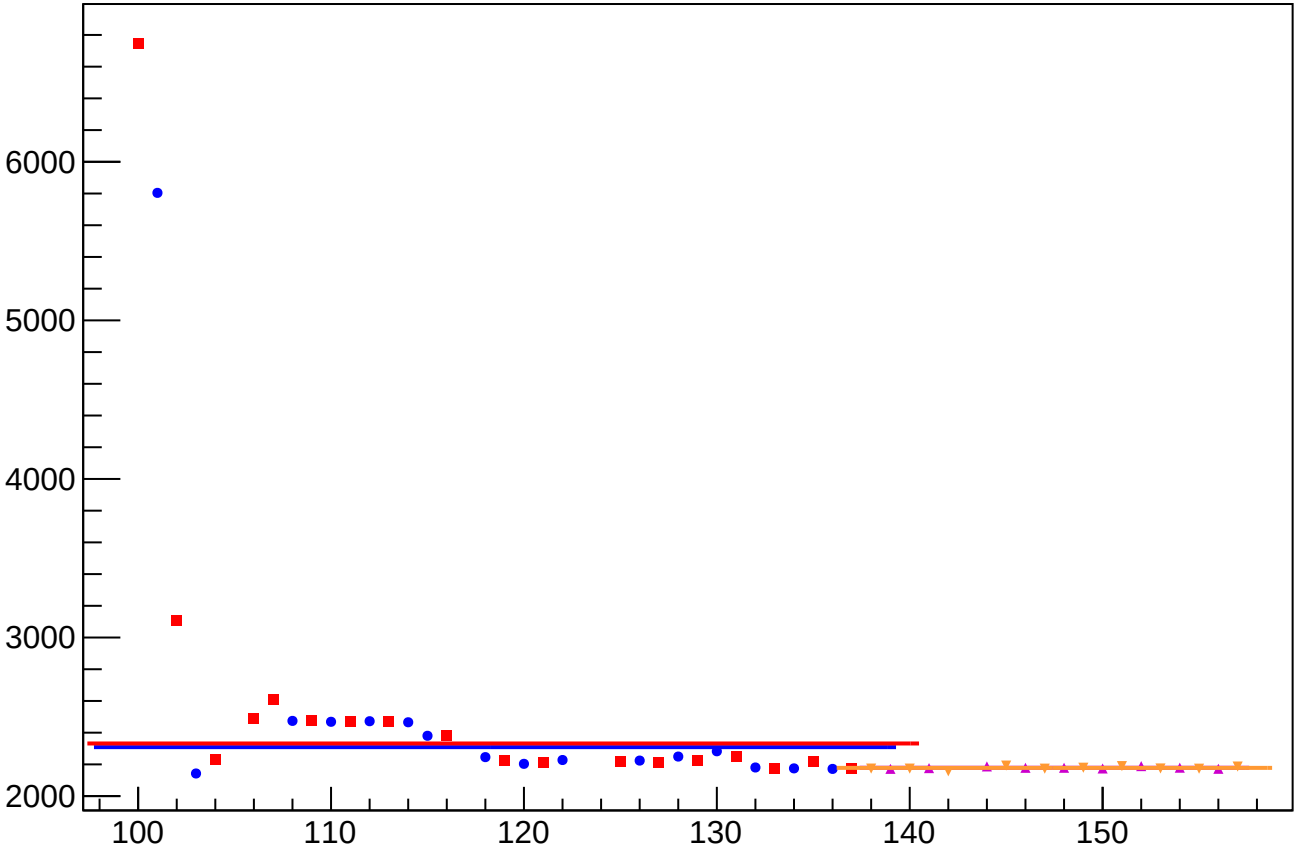
Left In: 1724.700+/-777.976 χ^2/NDF:12.2/8

+ sign -894.303+/-580.221 χ^2/NDF: 24.7/25

All: 218.557+/-410.548 χ^2/NDF: 57.0/52

- sign 1334.350+/-580.986 χ^2/NDF: 25.0/26

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.967+/-0.549 χ^2/NDF:262.9/9

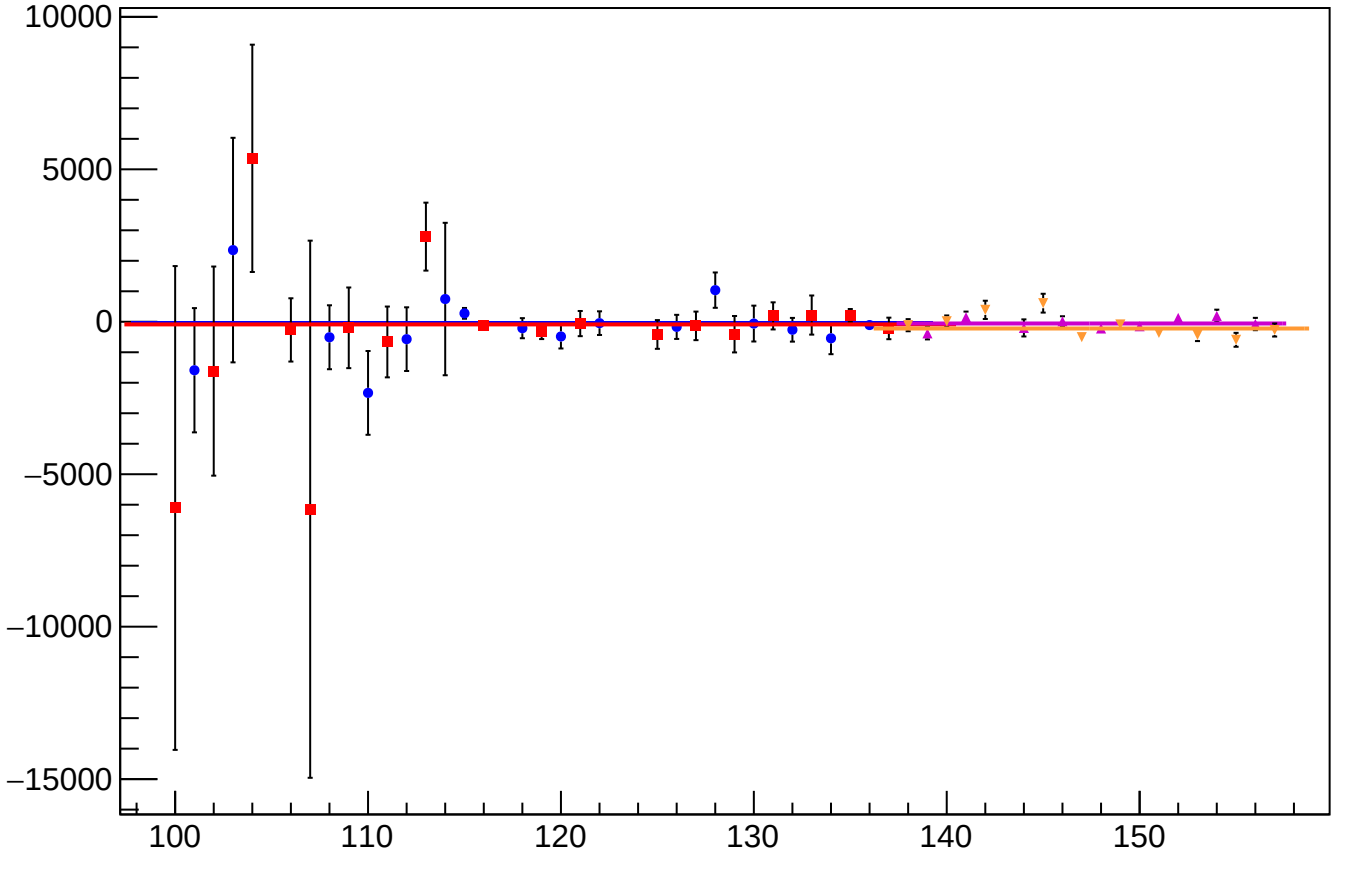
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.716+/-0.550 χ^2/NDF:106.7/8

+ sign 2235.662+/-0.410 χ^2/NDF: 539052.4/25

All: 2241.048+/-0.290 χ^2/NDF: 741099.3/52

- sign 2246.447+/-0.411 χ^2/NDF: 201701.8/26



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -220.766+/-61.656 χ^2/NDF:22.0/9

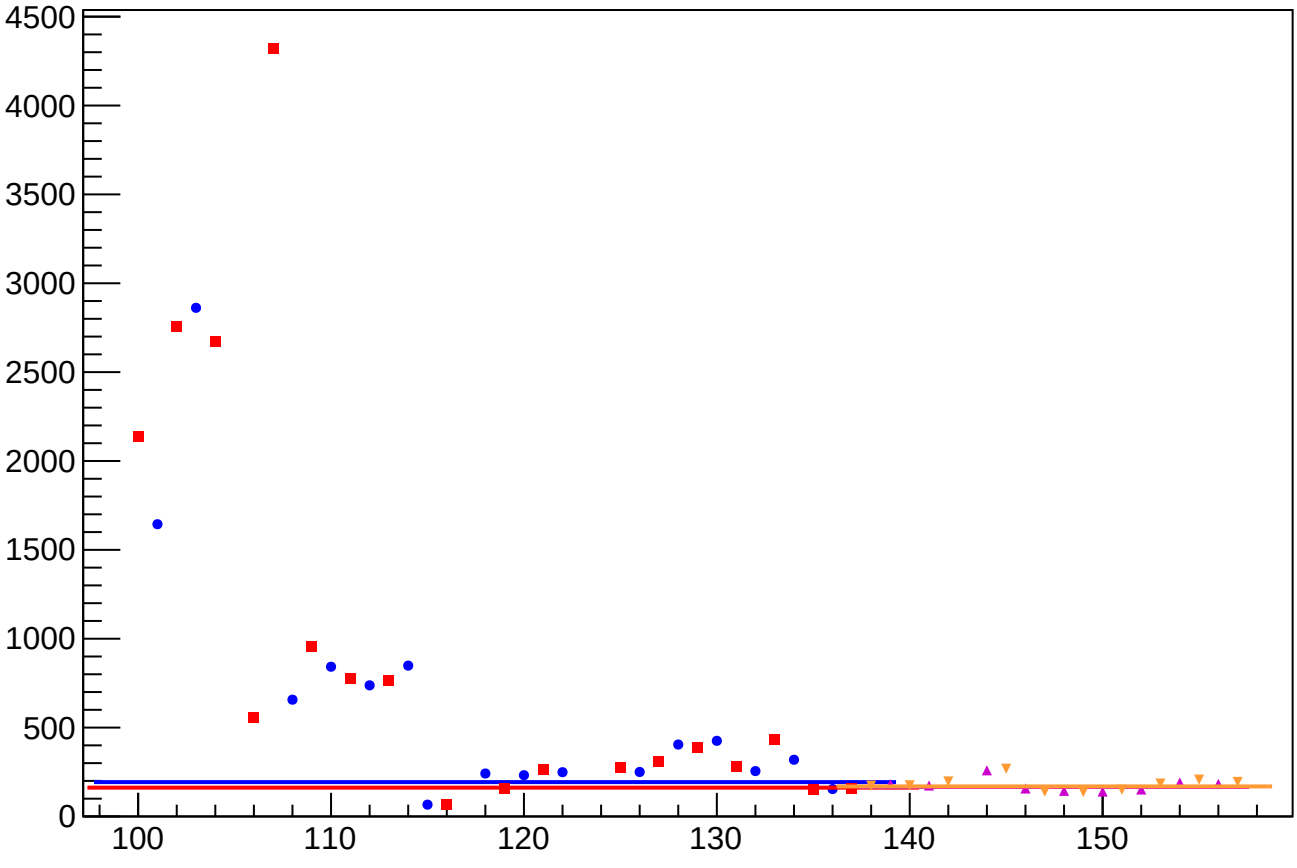
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -55.991+/-60.370 χ^2/NDF:8.5/8

+ sign -165.118+/-51.288 χ^2/NDF: 38.7/25

All: -113.733+/-35.590 χ^2/NDF: 64.2/52

- sign -66.009+/-49.427 χ^2/NDF: 23.5/26



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 168.877+/-0.044 χ^2/NDF:514532.2/9

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

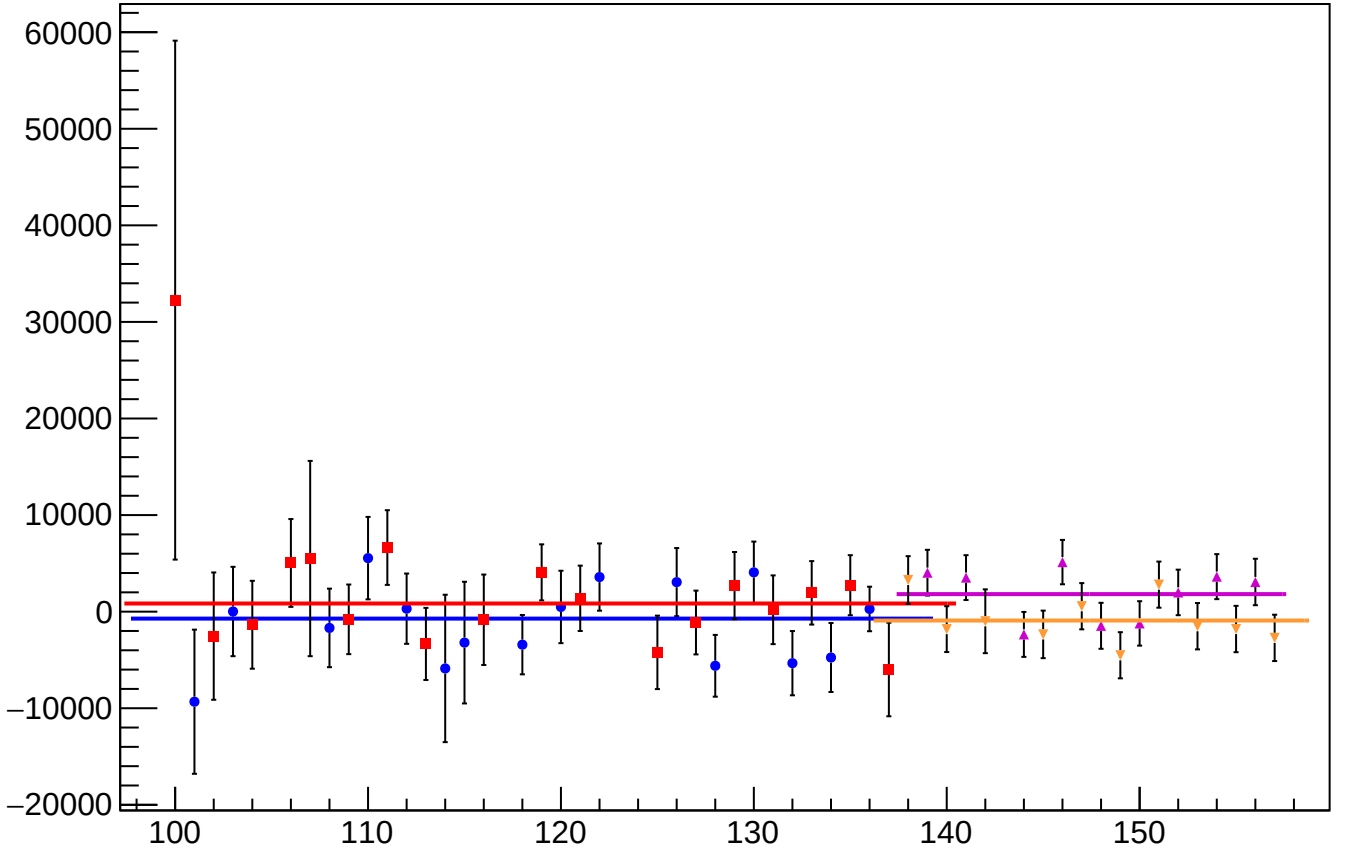
Left In: 165.889+/-0.043 χ^2/NDF:406030.4/8

+ sign 176.386+/-0.036 χ^2/NDF: 6228713.2/25

All: 170.298+/-0.025 χ^2/NDF: 13762223.2/52

- sign 164.644+/-0.035 χ^2/NDF: 7479159.5/26

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -918.537+/-779.710 χ^2/NDF:9.2/9

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

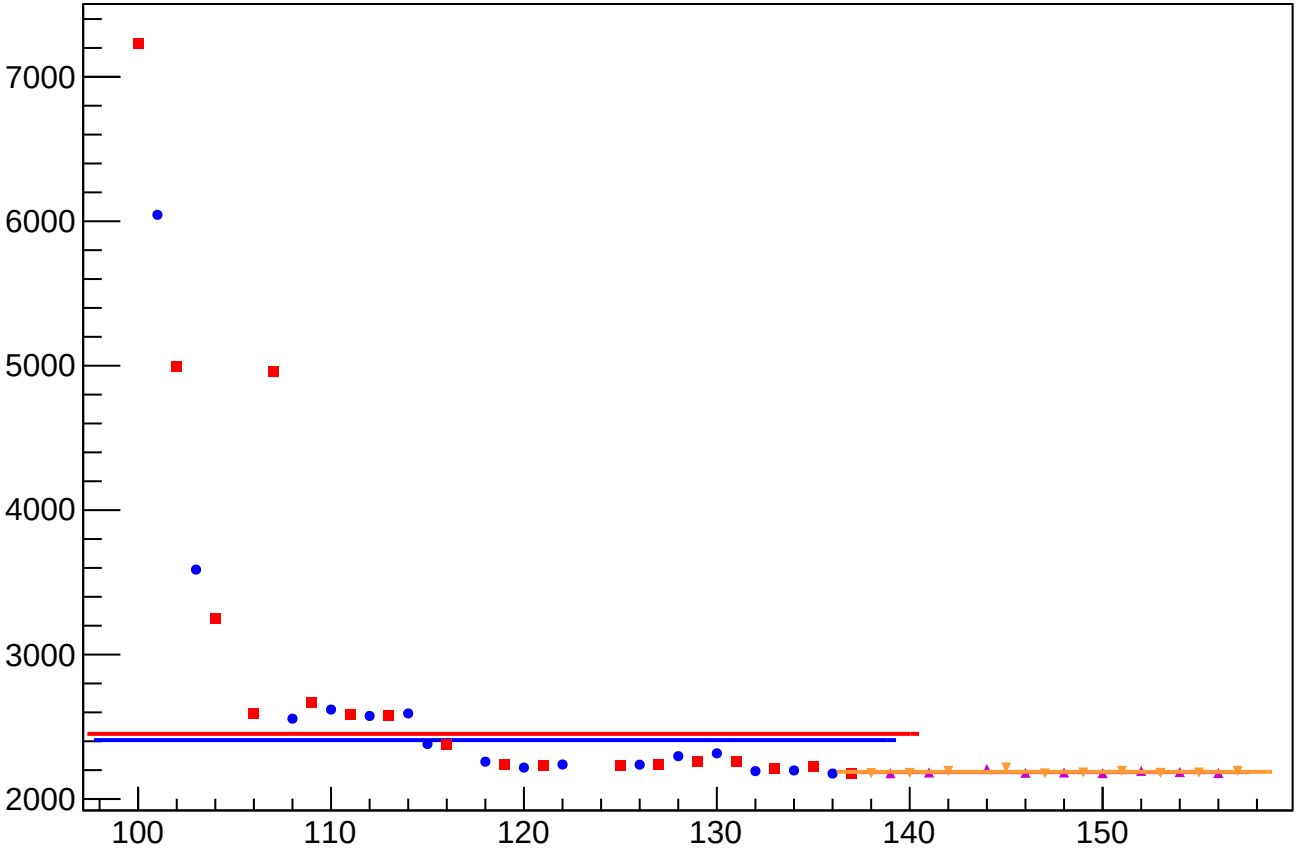
Left In: 1816.781+/-780.688 χ^2/NDF:11.2/8

+ sign -834.965+/-593.799 χ^2/NDF: 25.0/25

All: 282.518+/-421.214 χ^2/NDF: 57.0/52

- sign 1414.331+/-597.594 χ^2/NDF: 24.8/26

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.193+/-0.551 χ^2/NDF:451.3/9

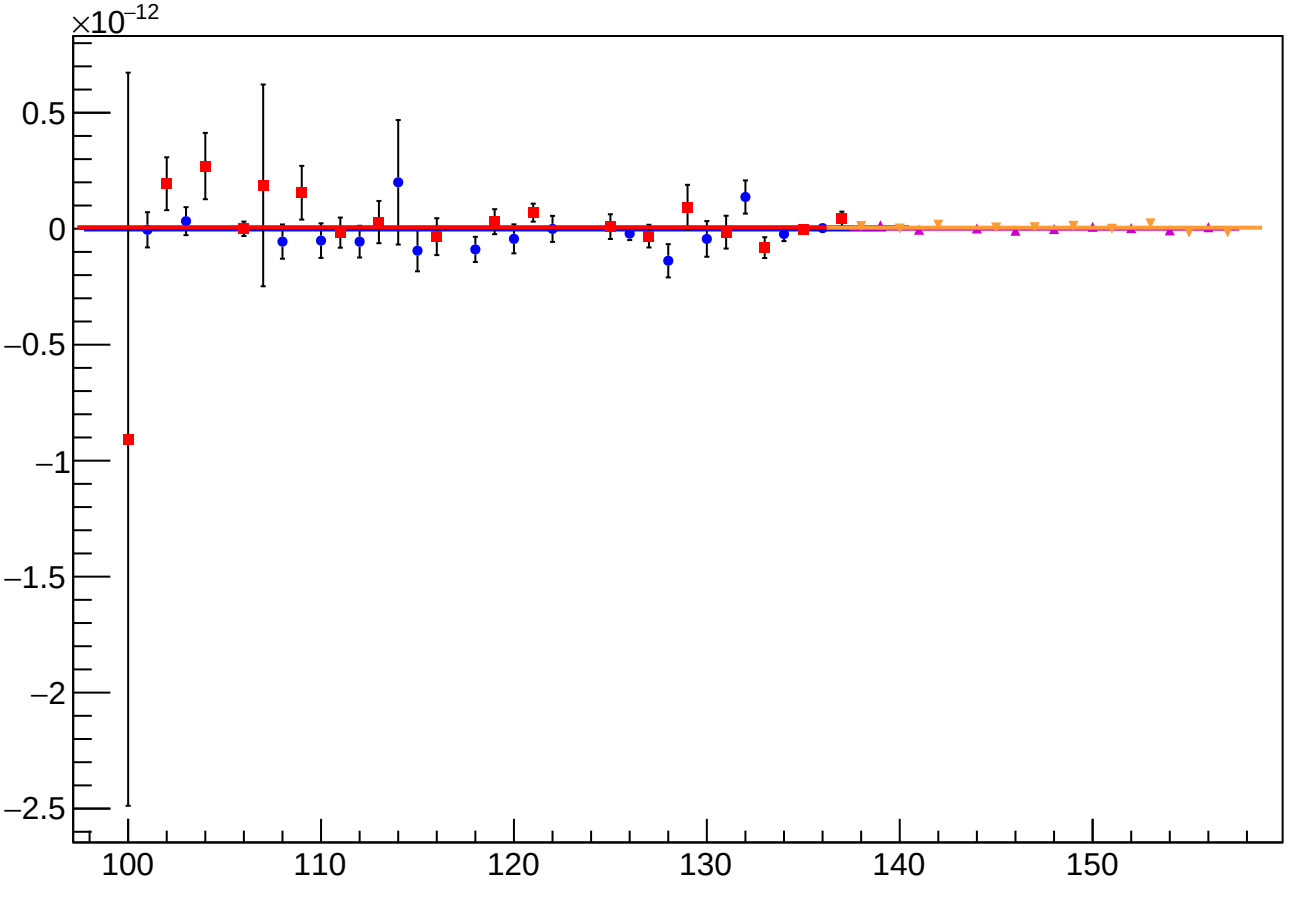
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2186.297+/-0.552 χ^2/NDF:266.9/8

+ sign 2280.430+/-0.420 χ^2/NDF: 743978.4/25

All: 2288.154+/-0.298 χ^2/NDF: 1473865.8/52

- sign 2295.977+/-0.423 χ^2/NDF: 729206.2/26



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/9

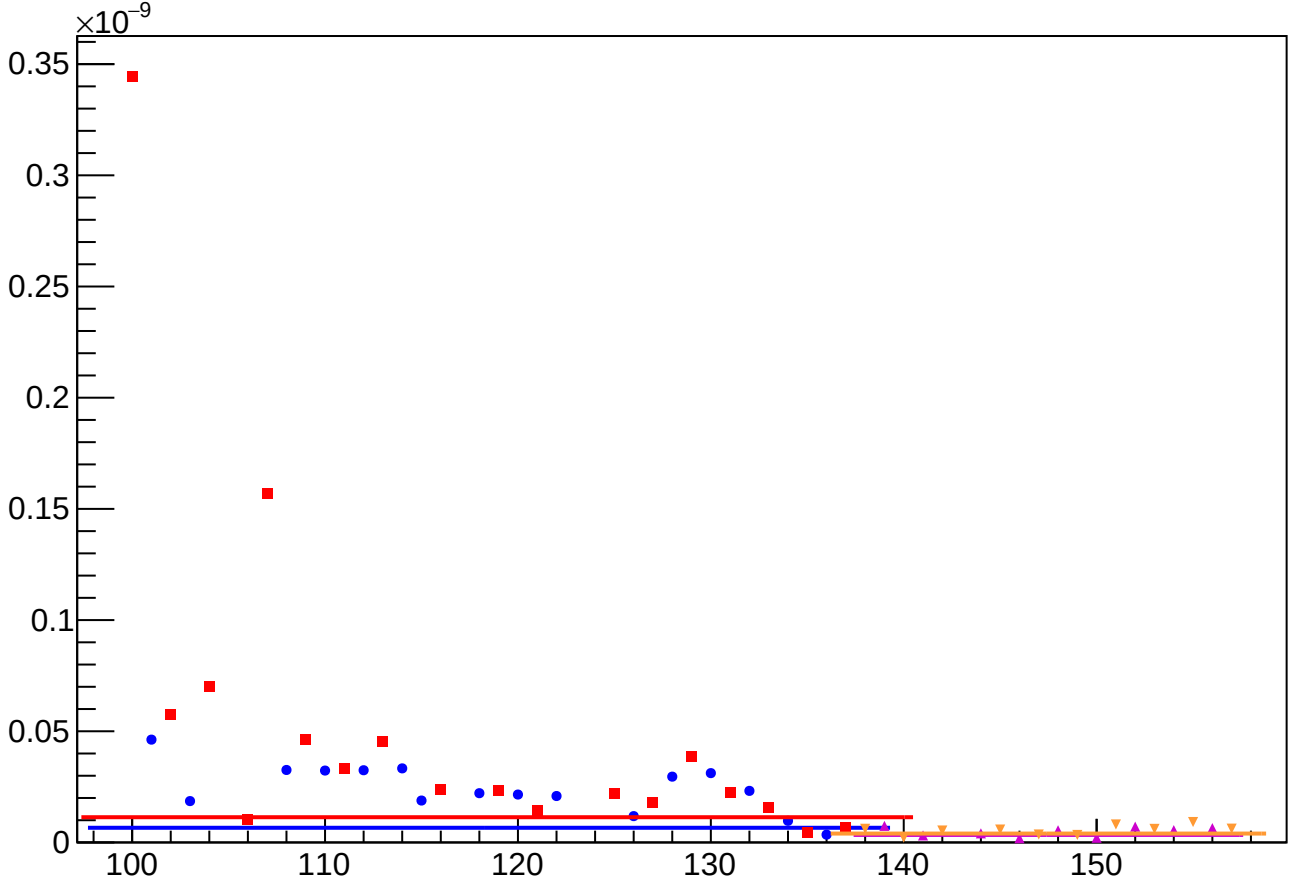
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/25

All: 0.000+/-0.000 χ^2/NDF: 56.0/52

- sign 0.000+/-0.000 χ^2/NDF: 27.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1141955.2/9

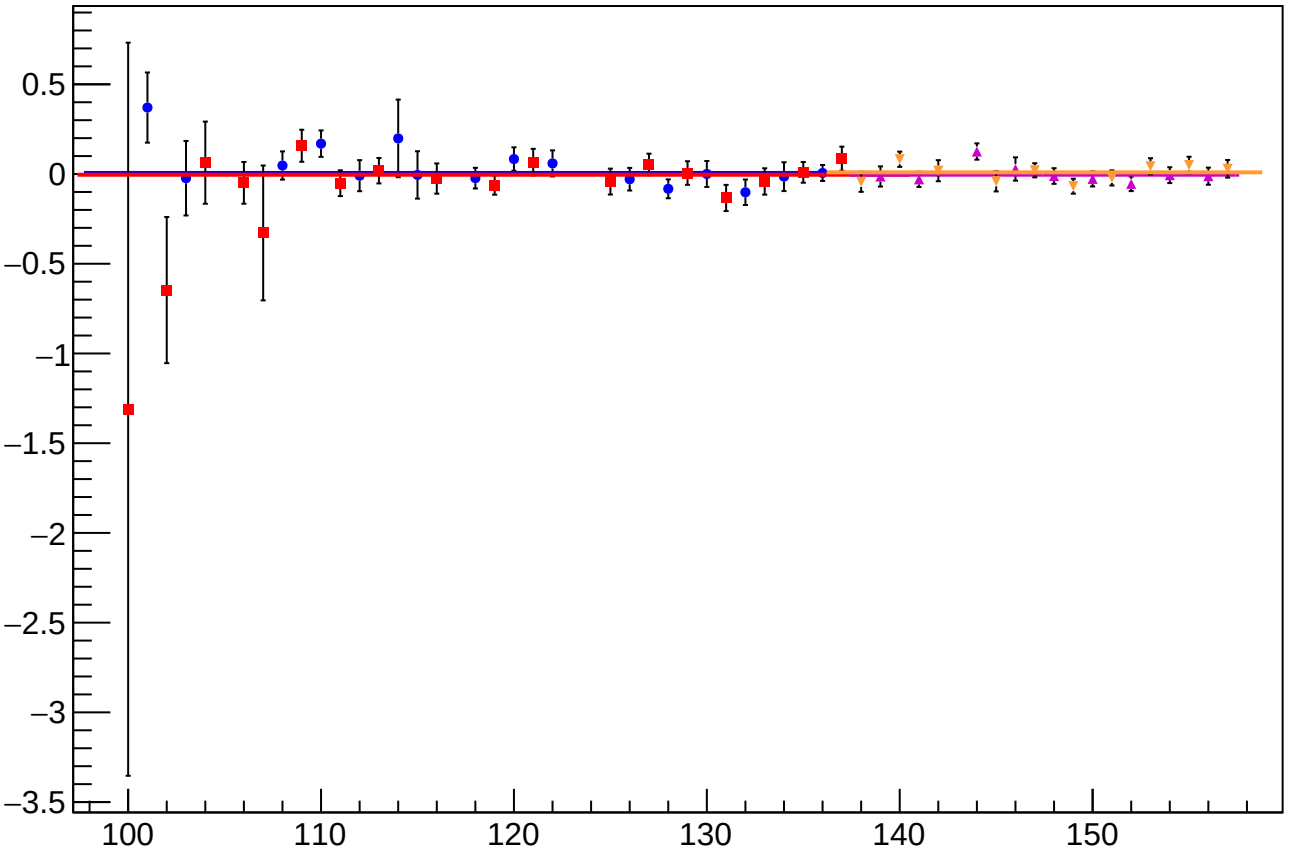
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:975265.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 4291118.3/25

All: 0.000+/-0.000 χ^2/NDF: 9257395.3/52

- sign 0.000+/-0.000 χ^2/NDF: 4922071.6/26



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

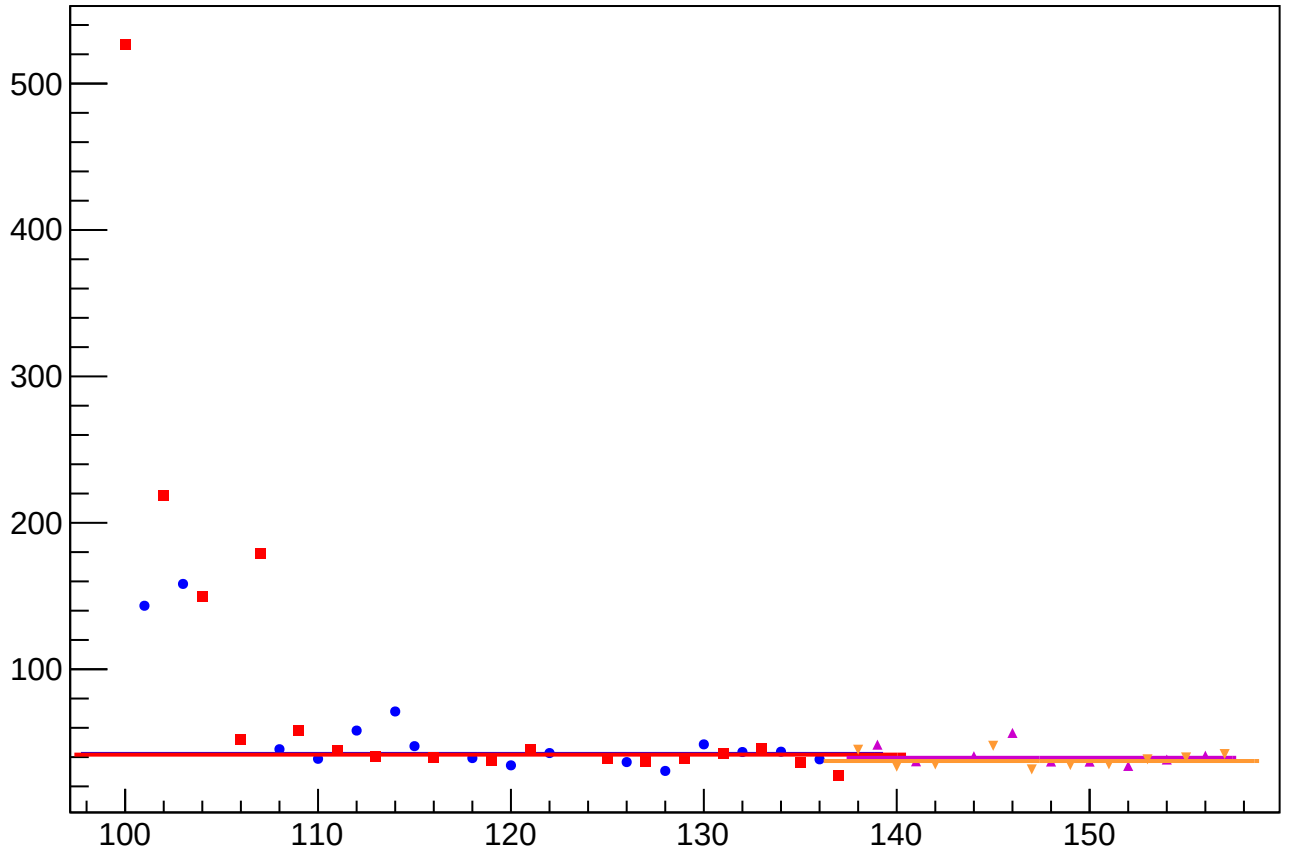
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.004+/-0.015 χ^2/NDF:10.7/8

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.002+/-0.008 χ^2/NDF: 54.9/52

- sign -0.004+/-0.012 χ^2/NDF: 27.0/26



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

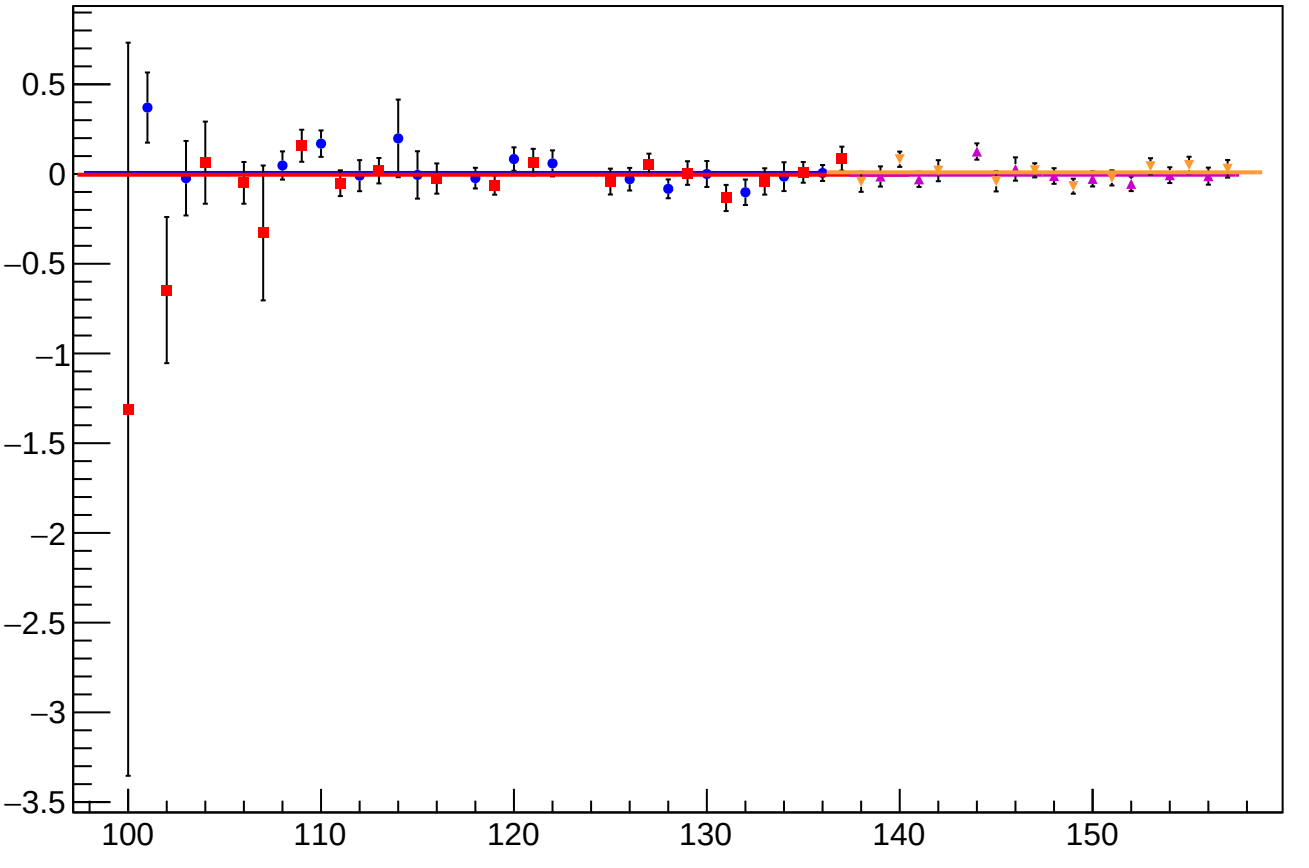
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.515+/-0.011 χ^2/NDF:250414.0/8

+ sign 39.229+/-0.008 χ^2/NDF: 1746716.4/25

All: 39.794+/-0.006 χ^2/NDF: 3464708.5/52

- sign 40.397+/-0.008 χ^2/NDF: 1707935.2/26



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

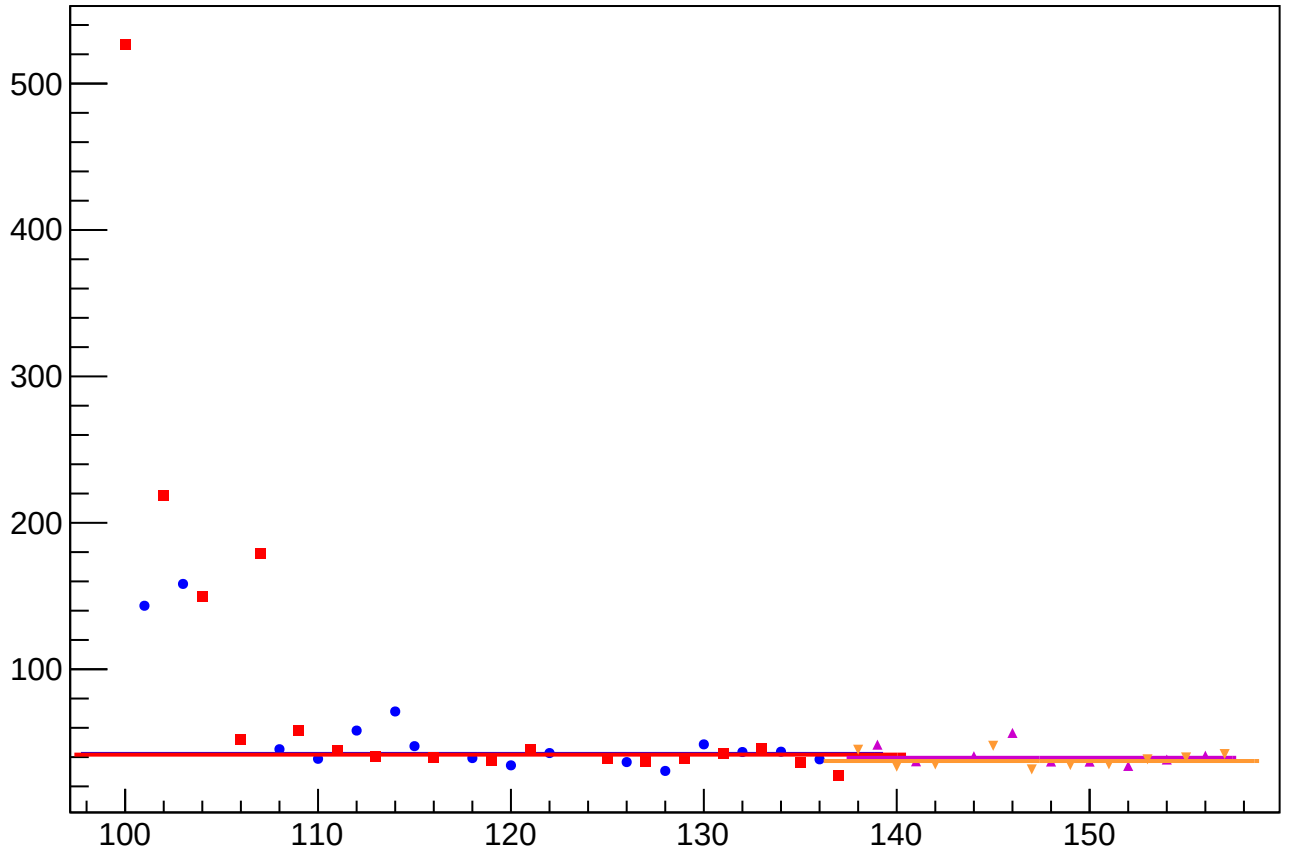
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.004+/-0.015 χ^2/NDF:10.7/8

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.002+/-0.008 χ^2/NDF: 54.9/52

- sign -0.004+/-0.012 χ^2/NDF: 27.0/26



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207061.7/9

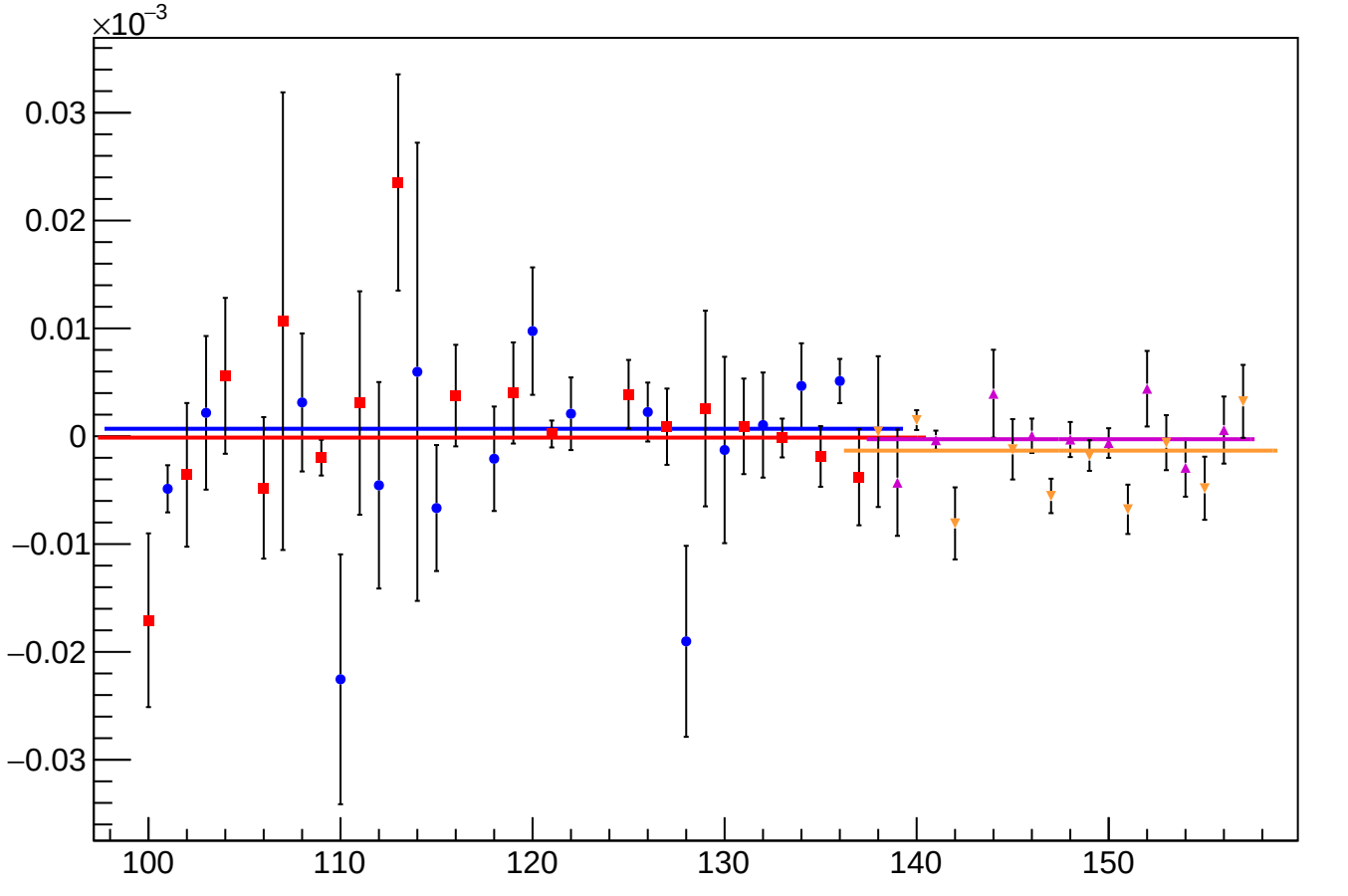
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.515+/-0.011 χ^2/NDF:250414.0/8

\+ sign 39.229+/-0.008 χ^2/NDF: 1746716.4/25

All: 39.794+/-0.006 χ^2/NDF: 3464708.5/52

\- sign 40.397+/-0.008 χ^2/NDF: 1707935.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.7/9

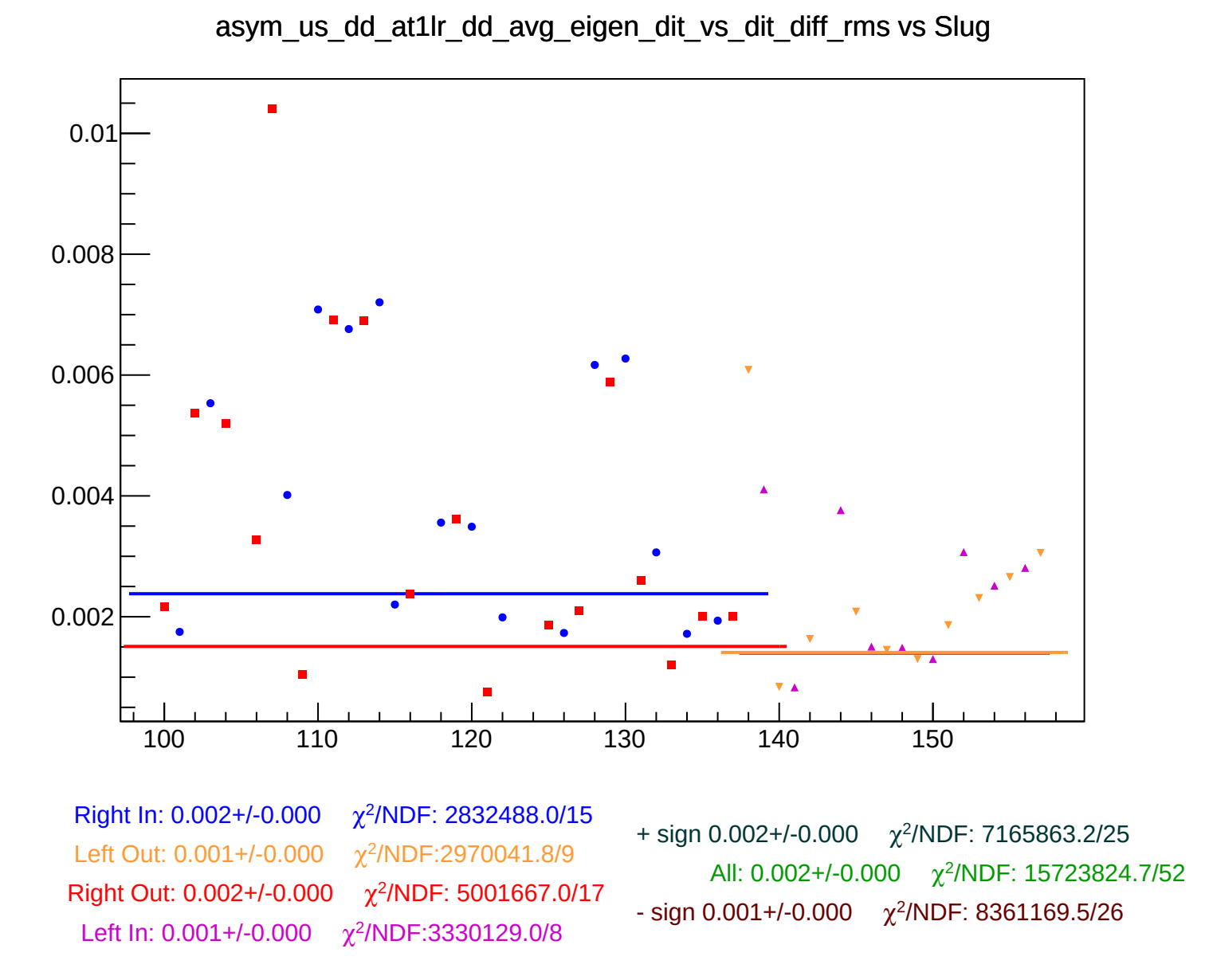
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

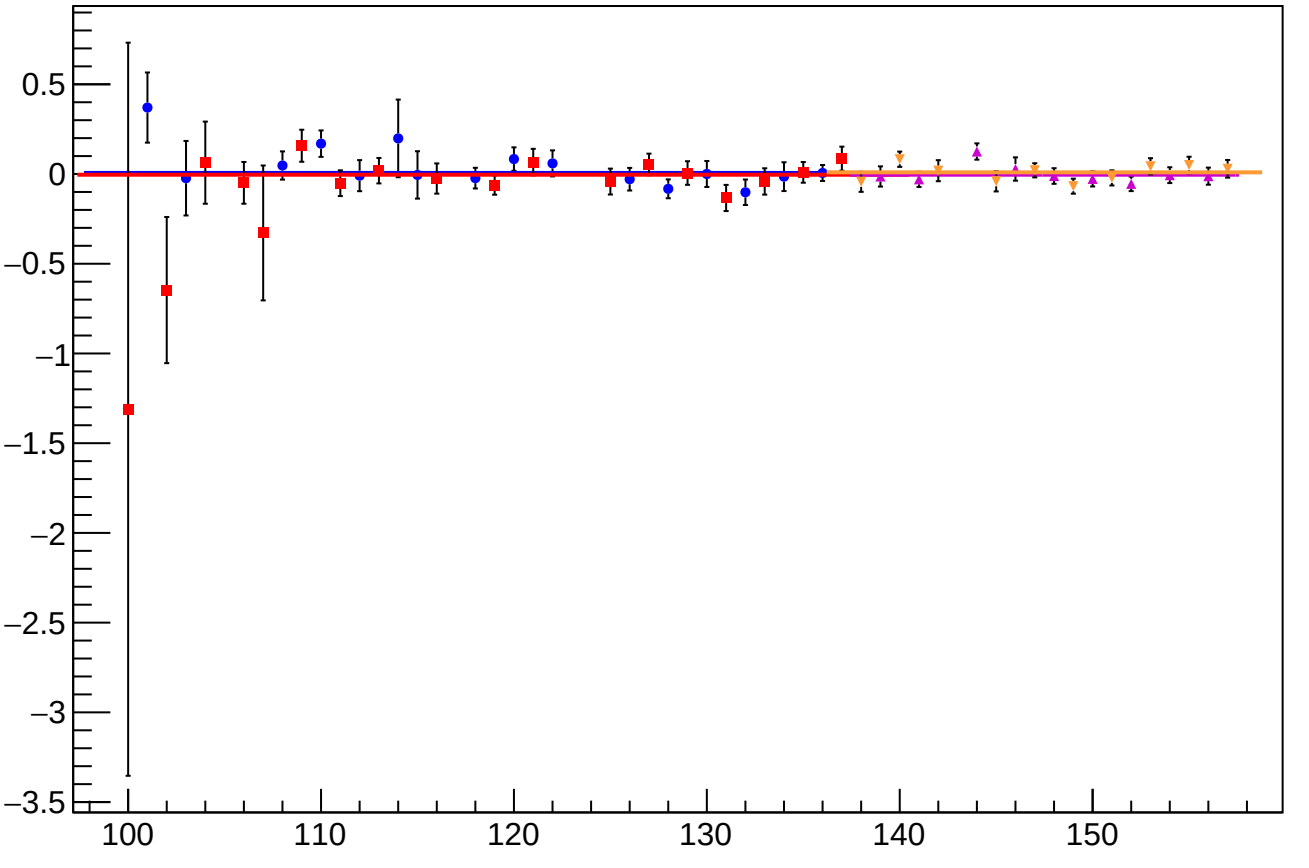
Left In: -0.000+/-0.000 χ^2/NDF:4.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/25

All: -0.000+/-0.000 χ^2/NDF: 82.1/52

- sign -0.000+/-0.000 χ^2/NDF: 22.1/26


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:2970041.8/9
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.001+/-0.000 χ²/NDF:3330129.0/8
+ sign 0.002+/-0.000 χ²/NDF: 7165863.2/25
All: 0.002+/-0.000 χ²/NDF: 15723824.7/52
- sign 0.001+/-0.000 χ²/NDF: 8361169.5/26



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

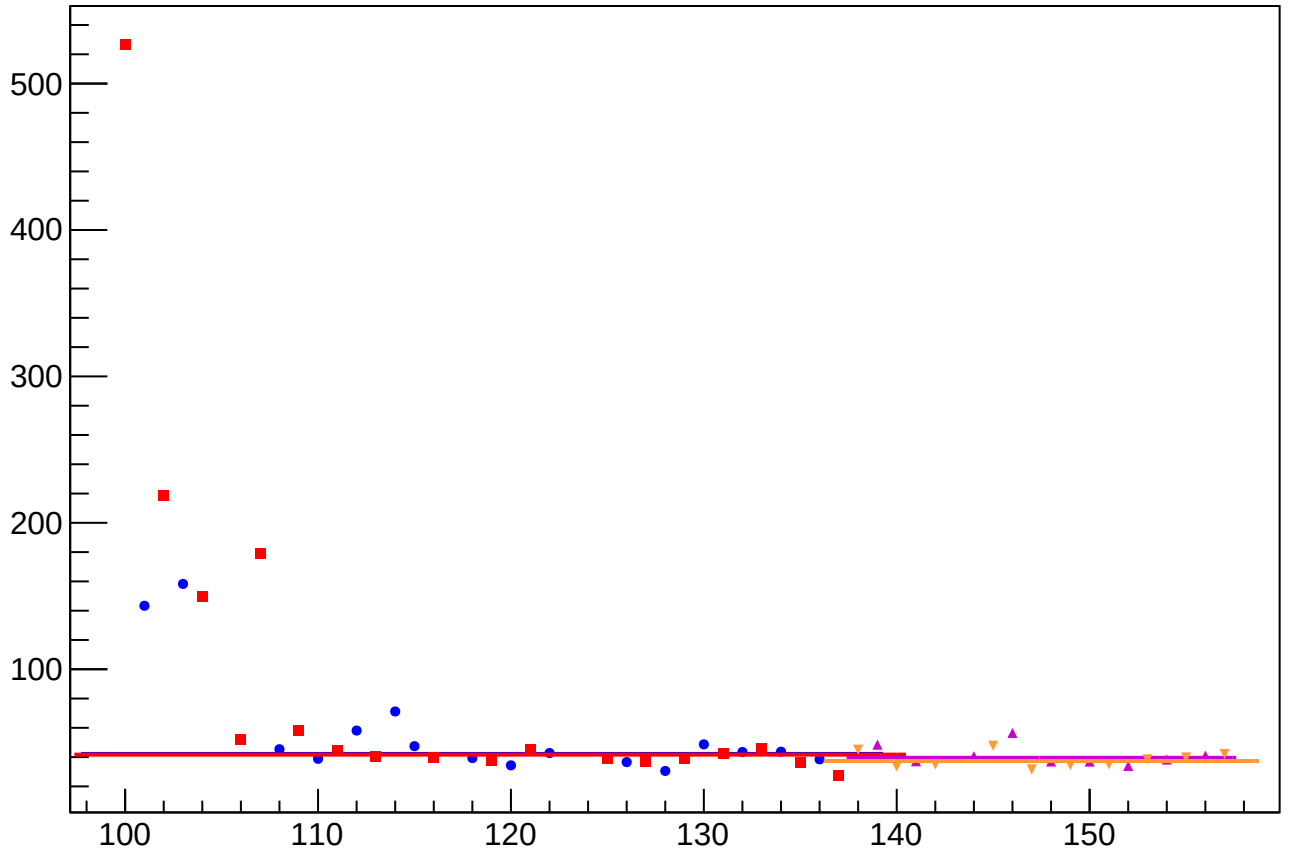
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.004+/-0.015 χ^2/NDF:10.7/8

+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.002+/-0.008 χ^2/NDF: 54.9/52

- sign -0.004+/-0.012 χ^2/NDF: 27.0/26



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.324+/-0.010 χ^2/NDF:207032.4/9

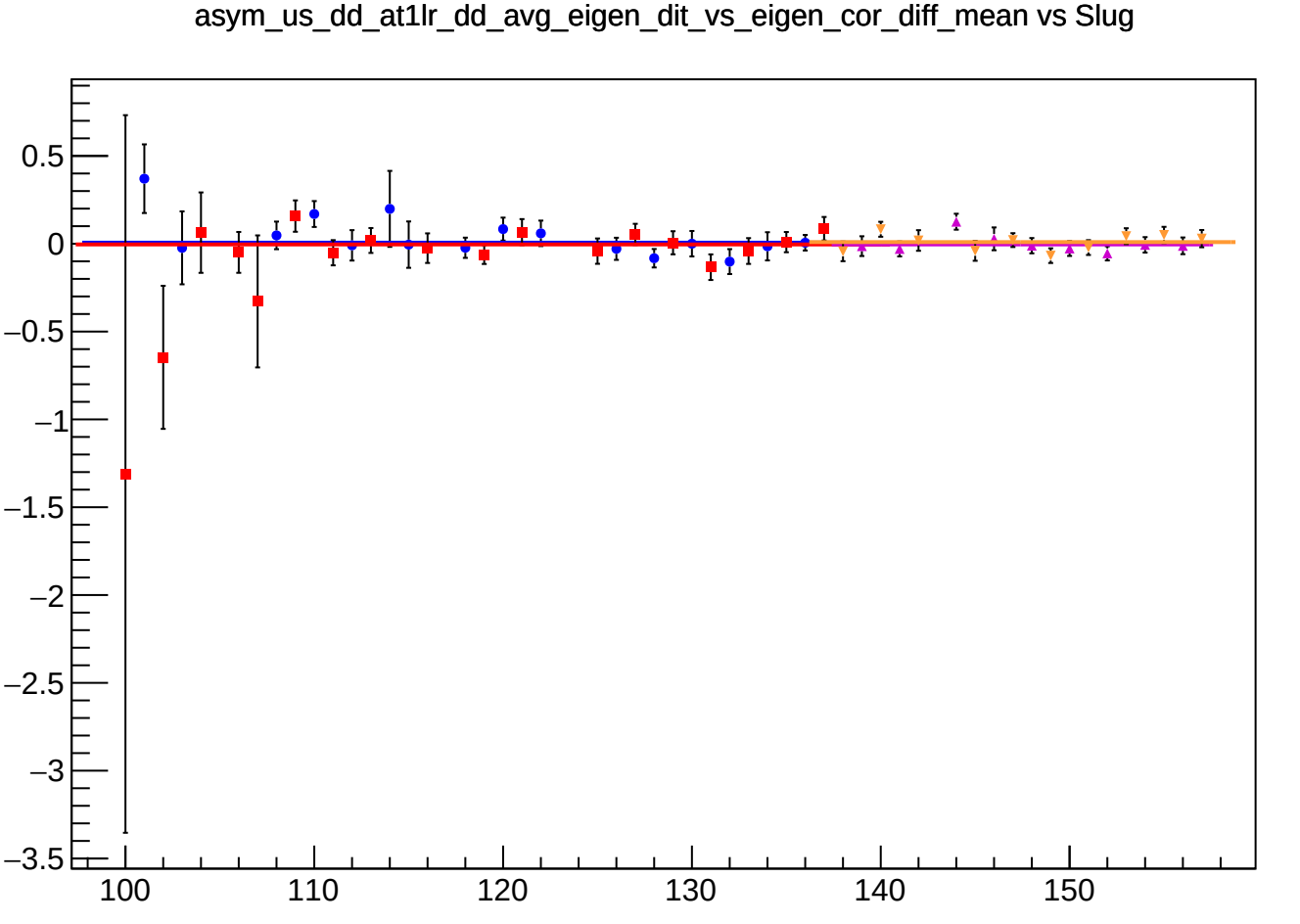
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.515+/-0.011 χ^2/NDF:250446.3/8

+ sign 39.229+/-0.008 χ^2/NDF: 1746810.9/25

All: 39.794+/-0.006 χ^2/NDF: 3464839.3/52

- sign 40.397+/-0.008 χ^2/NDF: 1707956.9/26



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.009+/-0.015 χ^2/NDF:10.1/9

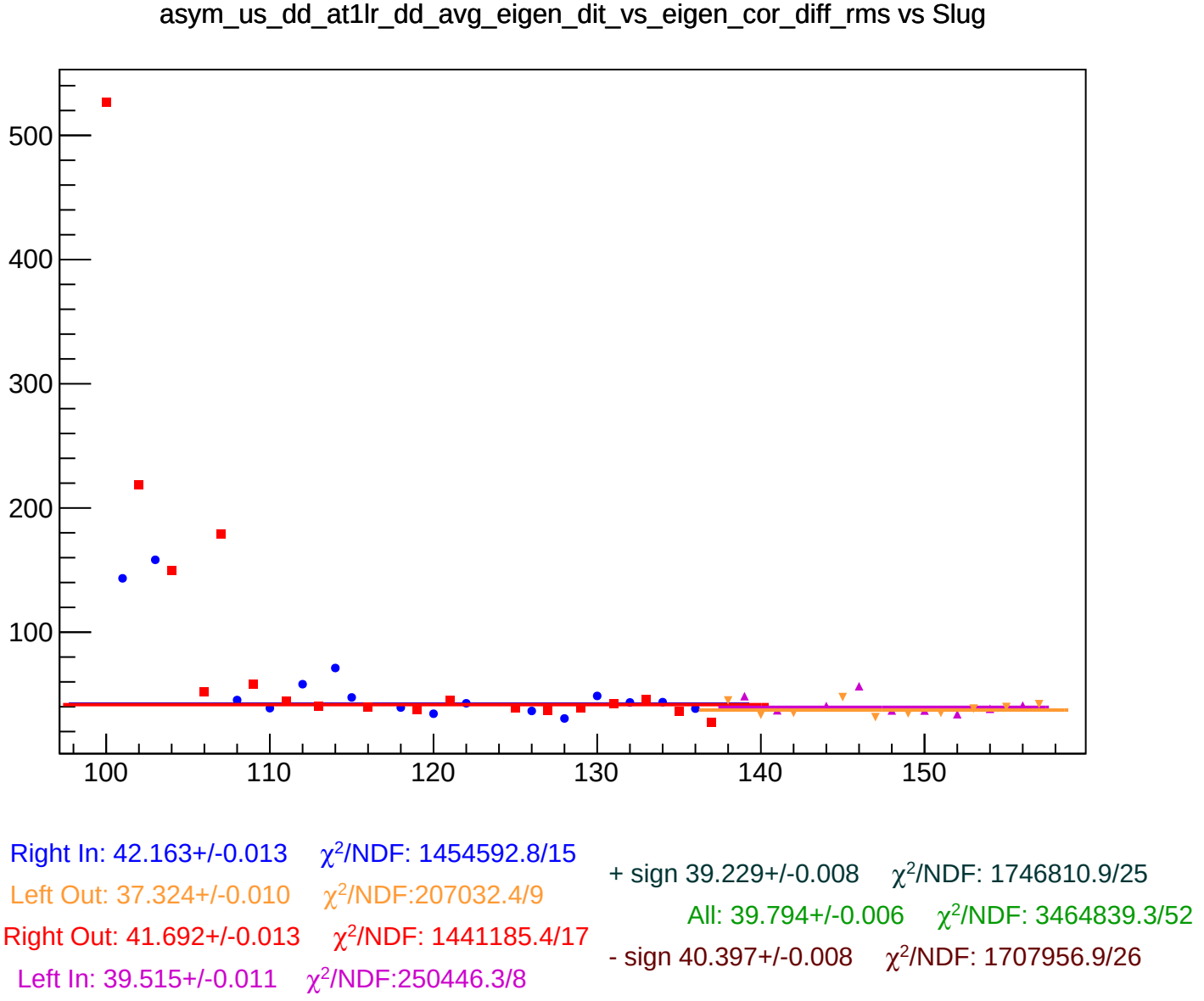
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

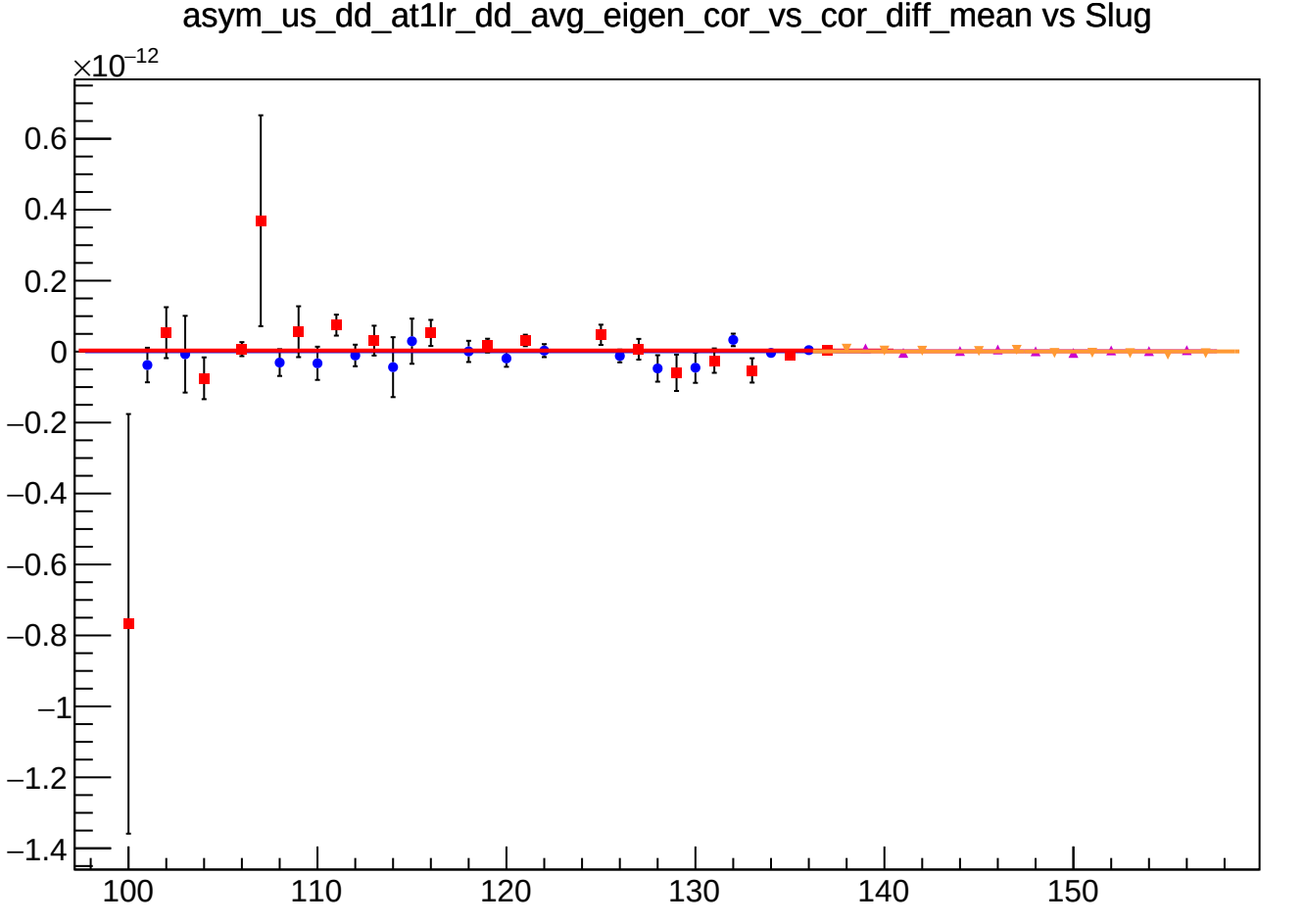
Left In: -0.004+/-0.015 χ^2/NDF:10.7/8

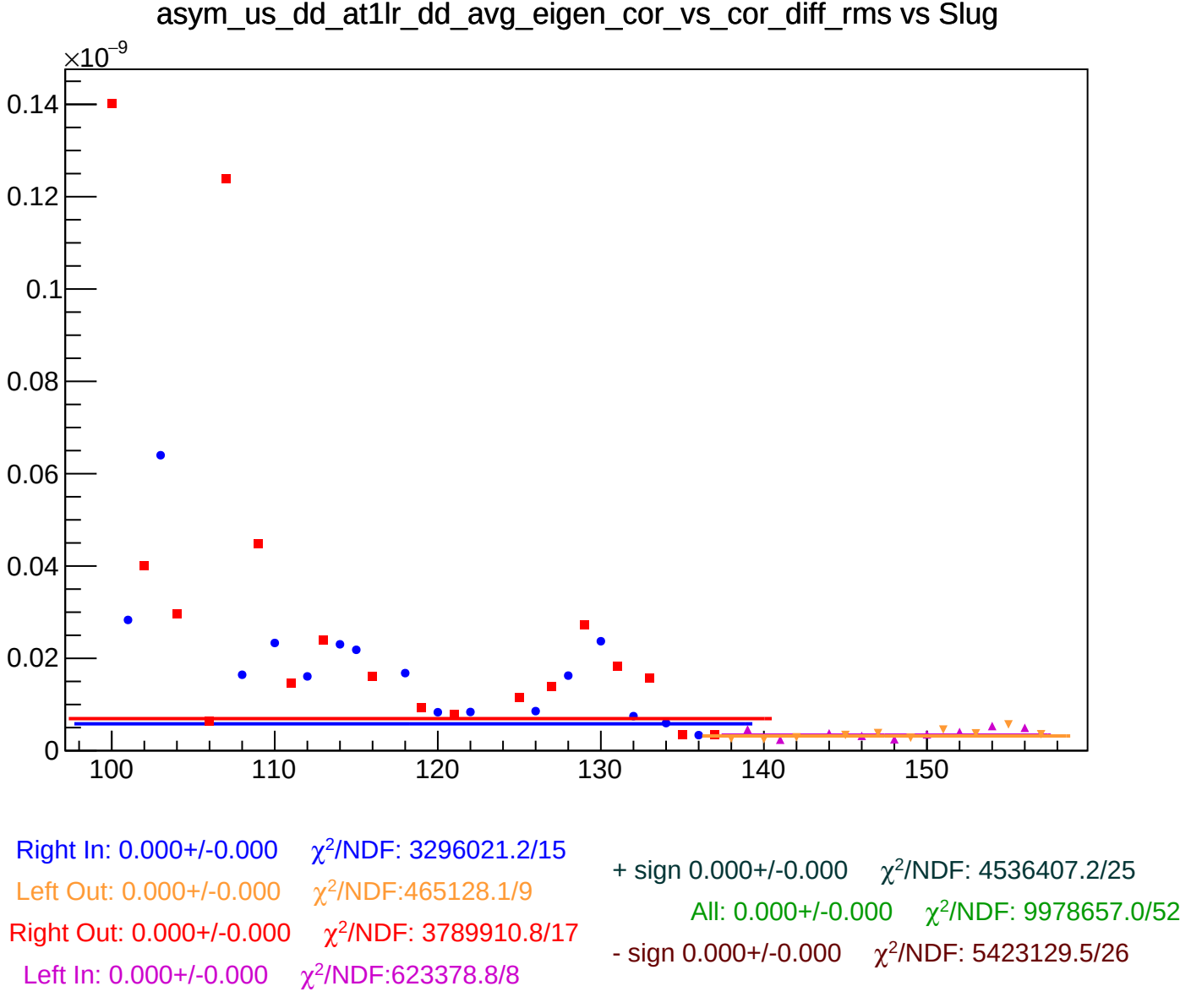
+ sign 0.008+/-0.011 χ^2/NDF: 27.4/25

All: 0.002+/-0.008 χ^2/NDF: 54.9/52

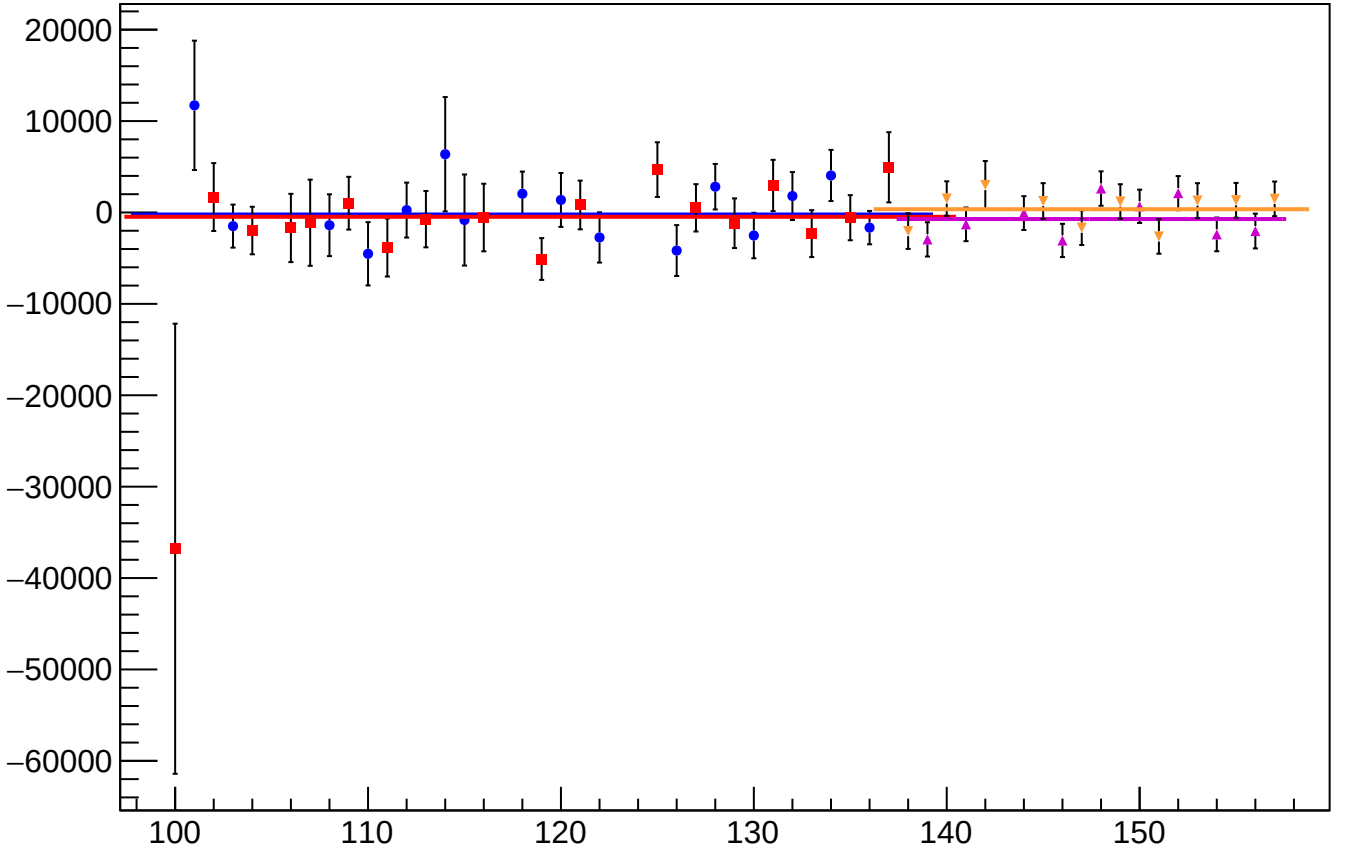
- sign -0.004+/-0.012 χ^2/NDF: 27.0/26


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 37.324+/-0.010 χ²/NDF:207032.4/9
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.515+/-0.011 χ²/NDF:250446.3/8
+ sign 39.229+/-0.008 χ²/NDF: 1746810.9/25
All: 39.794+/-0.006 χ²/NDF: 3464839.3/52
- sign 40.397+/-0.008 χ²/NDF: 1707956.9/26


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:5.5/8
+ sign 0.000+/-0.000 χ²/NDF: 18.8/25
All: 0.000+/-0.000 χ²/NDF: 53.4/52
- sign 0.000+/-0.000 χ²/NDF: 34.5/26


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:465128.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:623378.8/8
+ sign 0.000+/-0.000 χ²/NDF: 4536407.2/25
All: 0.000+/-0.000 χ²/NDF: 9978657.0/52
- sign 0.000+/-0.000 χ²/NDF: 5423129.5/26

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 355.763+/-617.574 χ^2/NDF:7.8/9

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

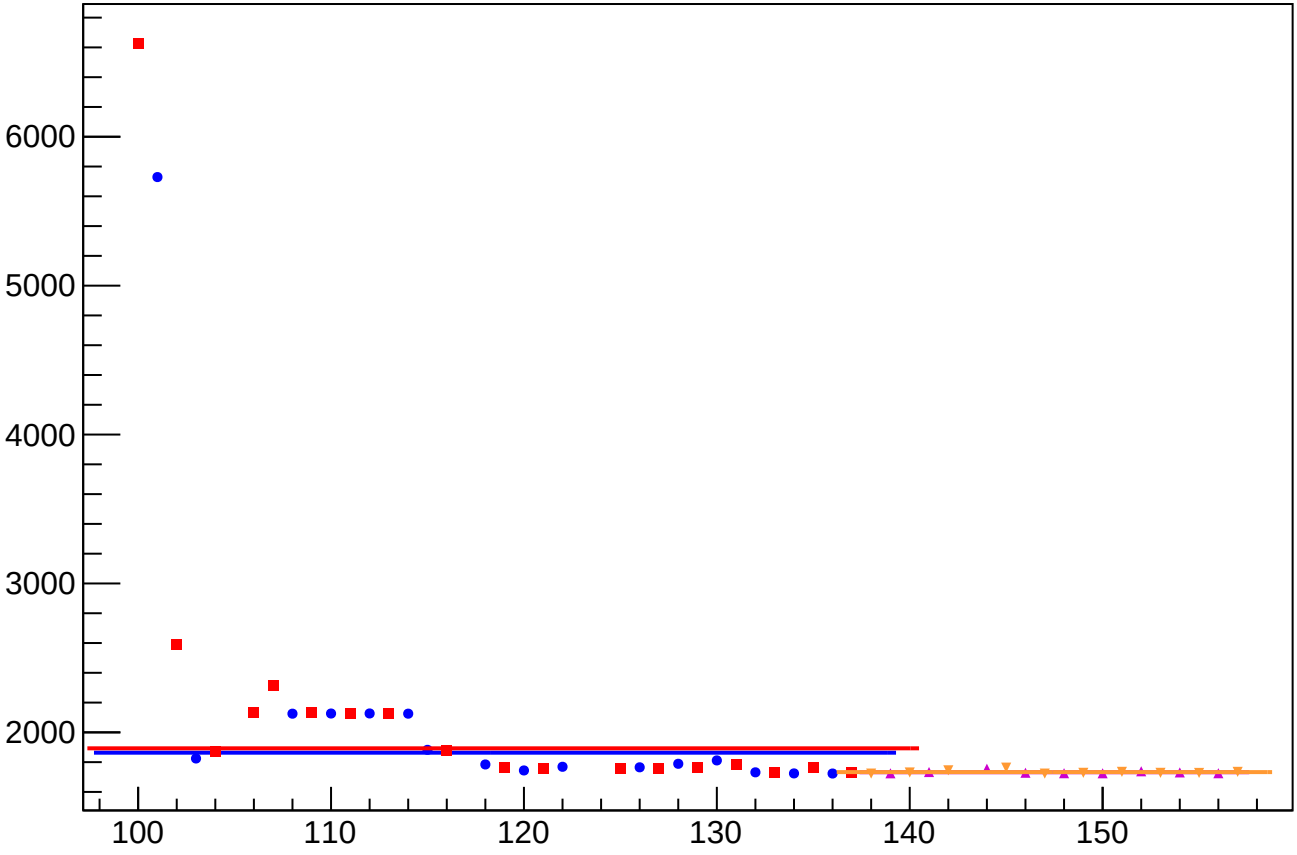
Left In: -719.386+/-618.571 χ^2/NDF:10.6/8

+ sign 106.150+/-465.725 χ^2/NDF: 24.0/25

All: -252.621+/-329.700 χ^2/NDF: 51.8/52

- sign -613.066+/-466.811 χ^2/NDF: 26.6/26

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

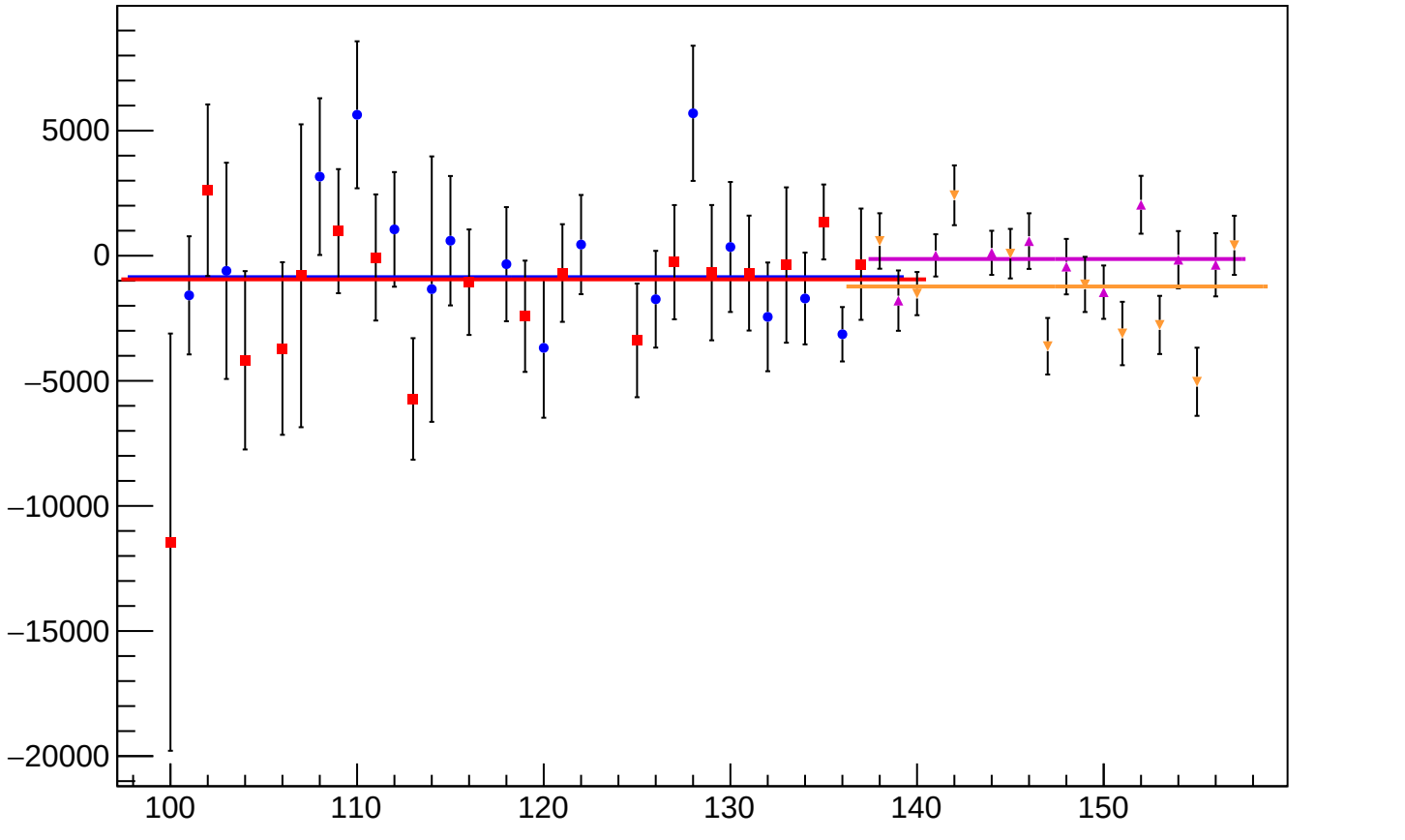
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1732.282+/-0.437 χ^2/NDF:464.9/8

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.3/25

All: 1795.394+/-0.233 χ^2/NDF: 1024474.4/52

- sign 1801.412+/-0.330 χ^2/NDF: 310003.0/26



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1229.517+/-351.476 χ^2/NDF:32.0/9

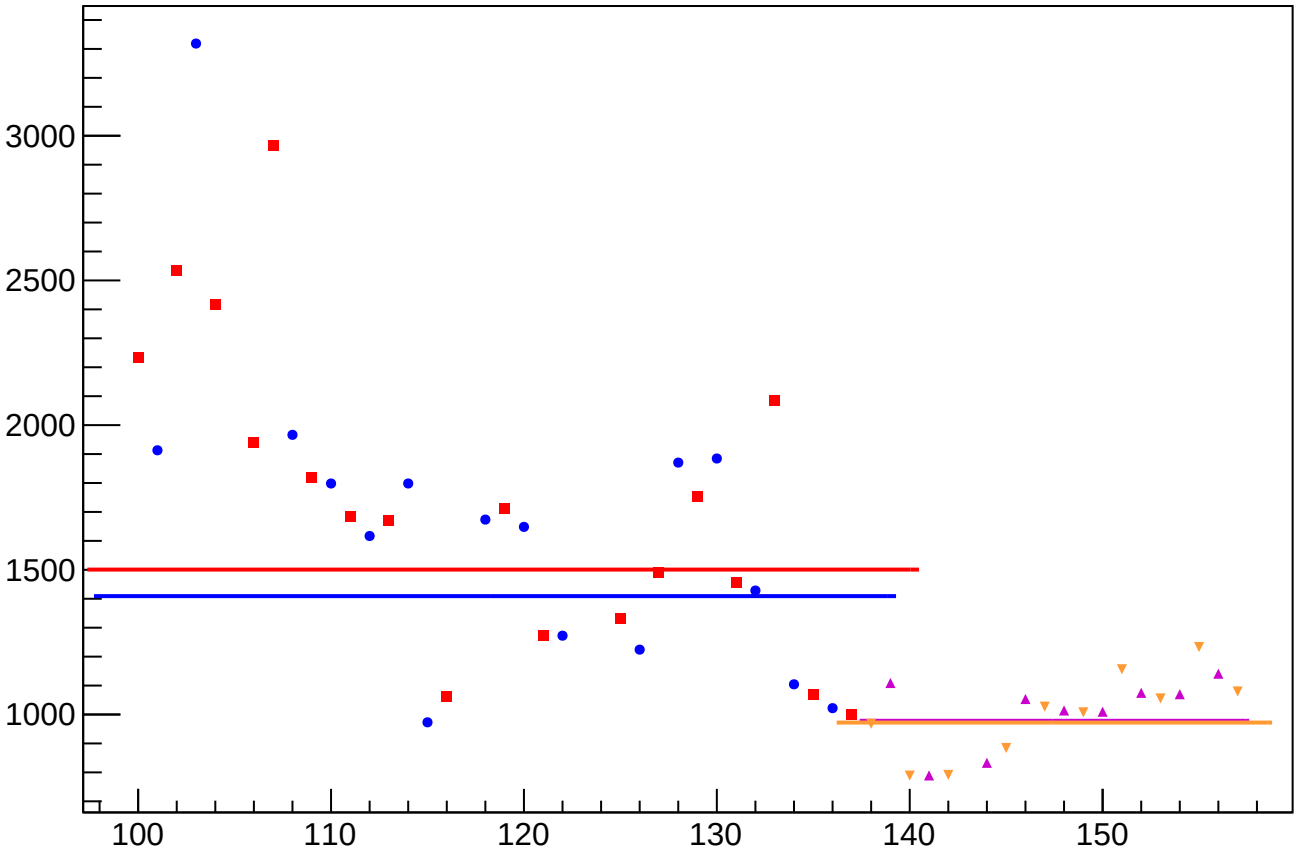
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -131.594+/-353.163 χ^2/NDF:7.6/8

+ sign -1121.527+/-296.133 χ^2/NDF: 52.9/25

All: -743.262+/-211.509 χ^2/NDF: 78.2/52

- sign -349.346+/-302.198 χ^2/NDF: 21.9/26



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 972.166+/-0.249 χ^2/NDF:300964.0/9

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

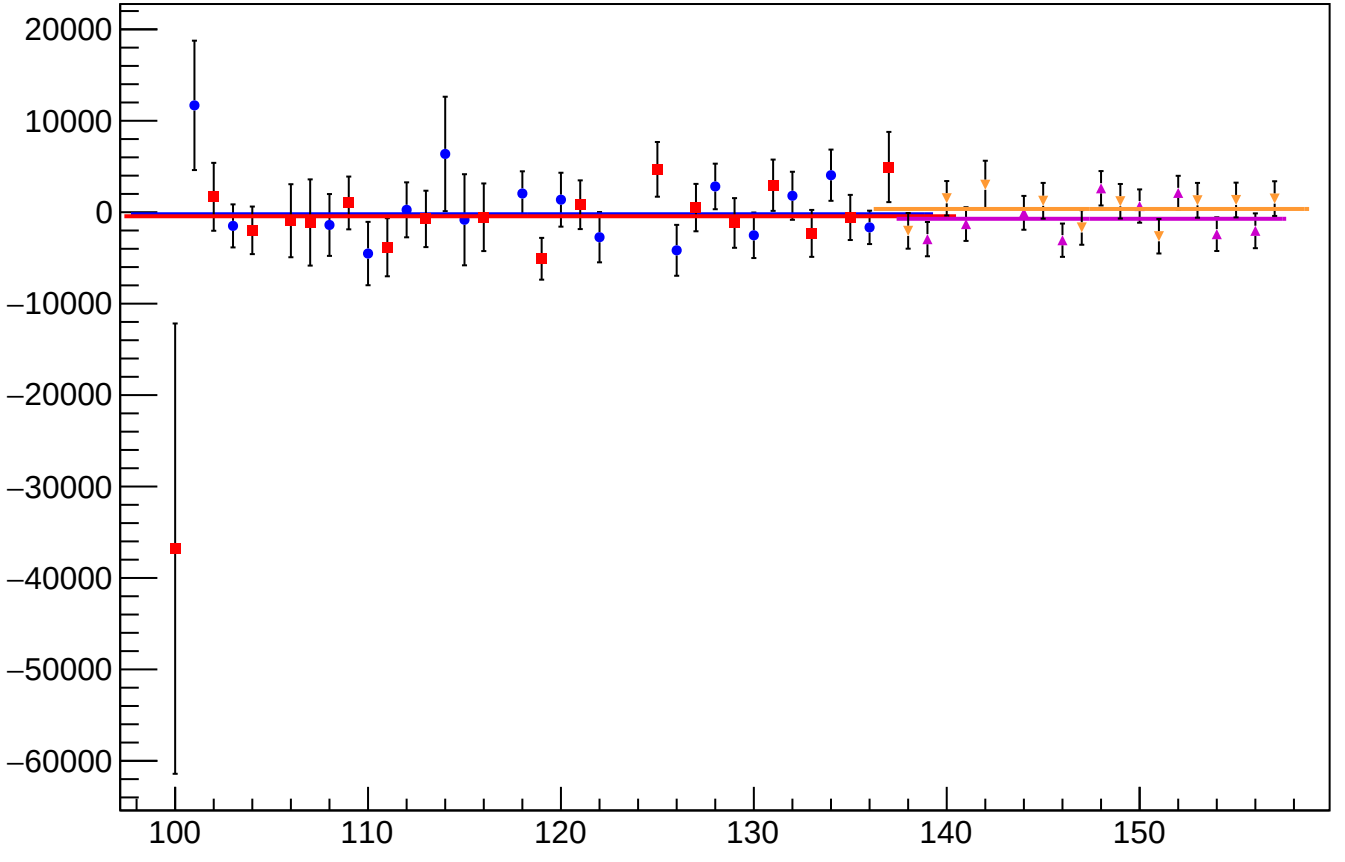
Left In: 978.265+/-0.250 χ^2/NDF:250850.0/8

+ sign 1098.928+/-0.209 χ^2/NDF: 2365360.5/25

All: 1108.368+/-0.150 χ^2/NDF: 4823637.1/52

- sign 1118.199+/-0.214 χ^2/NDF: 2454127.9/26

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

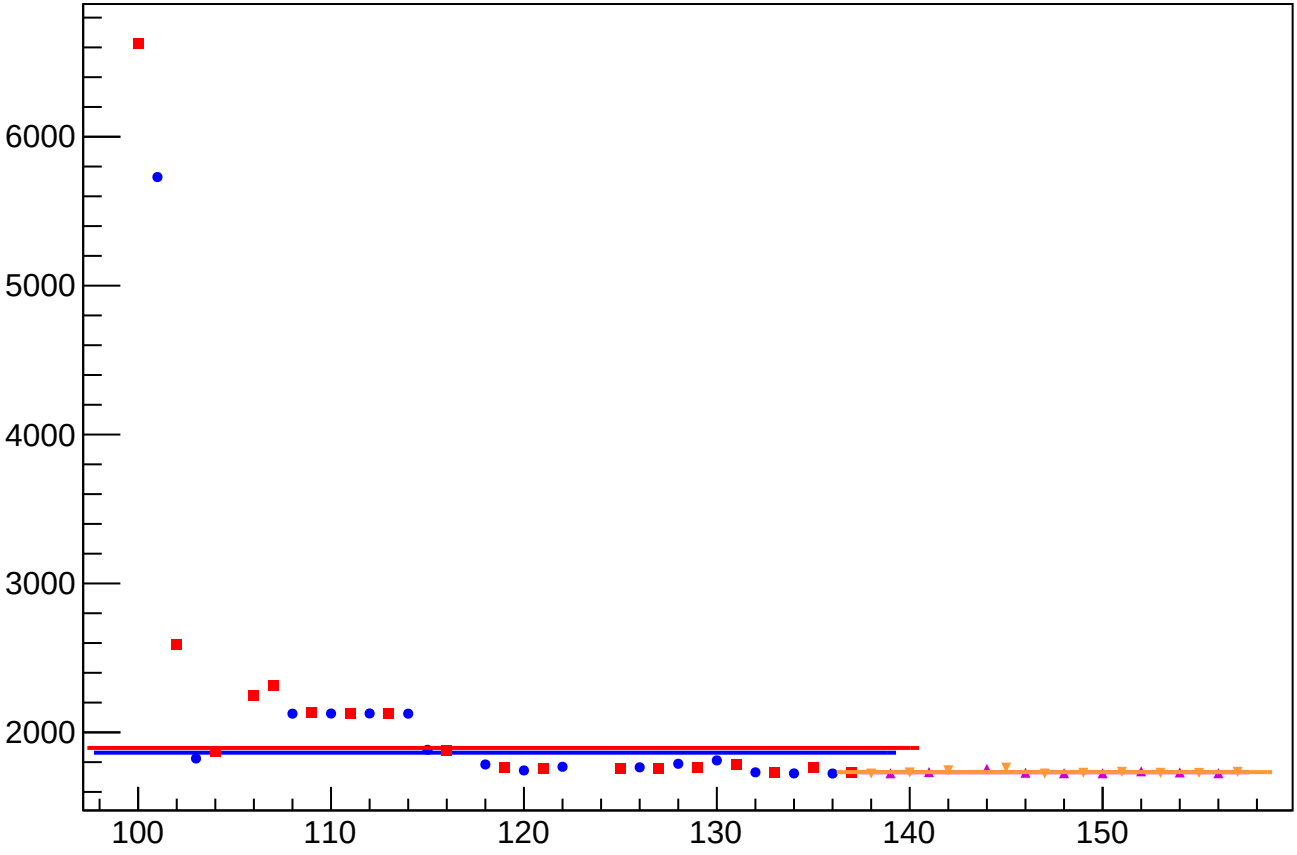
Left In: -719.380+/-618.571 χ^2/NDF:10.6/8

+ sign 105.905+/-465.725 χ^2/NDF: 24.0/25

All: -246.239+/-329.862 χ^2/NDF: 51.6/52

- sign -600.719+/-467.268 χ^2/NDF: 26.5/26

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

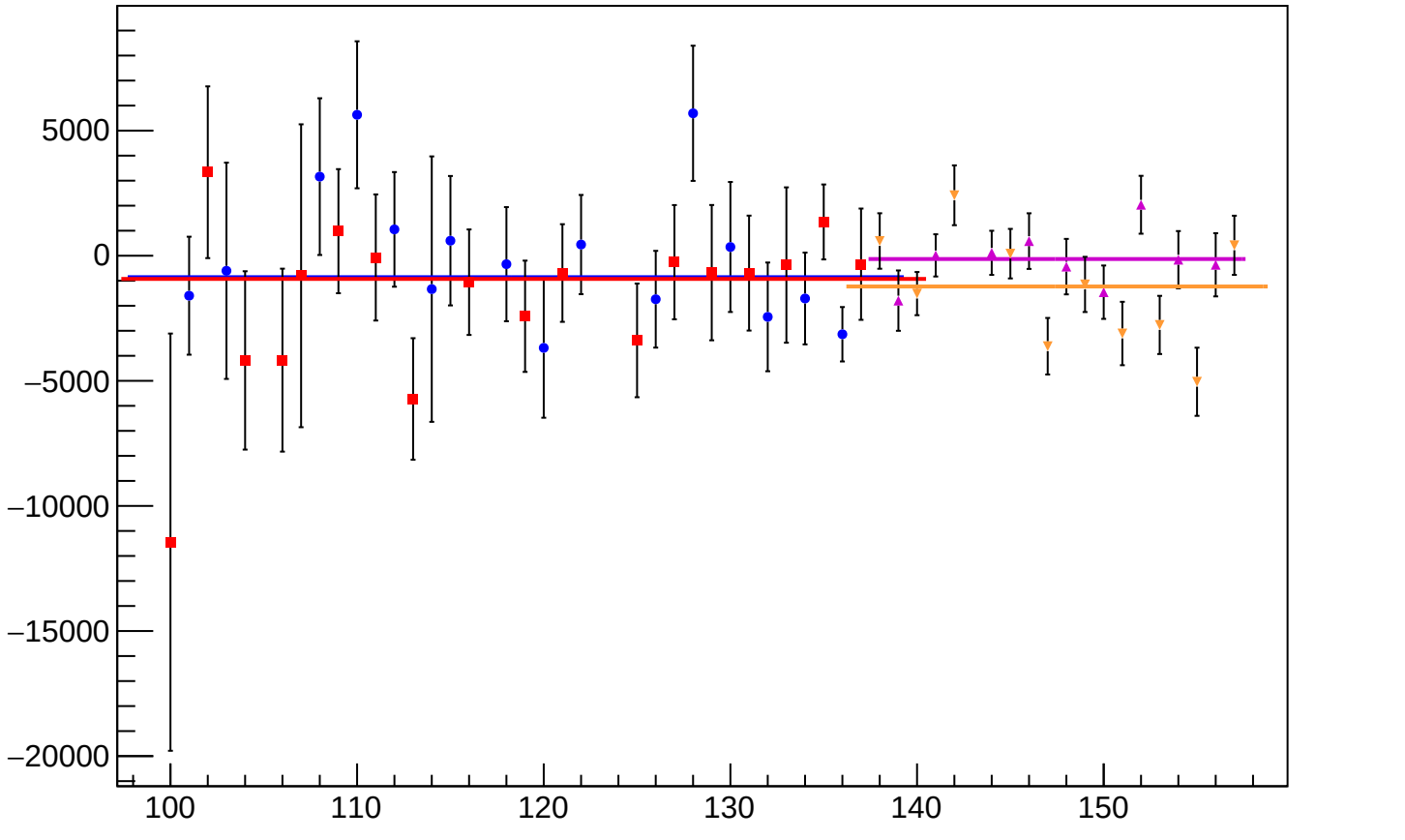
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.282+/-0.437 χ^2/NDF:464.9/8

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.2/25

All: 1795.861+/-0.233 χ^2/NDF: 1033998.6/52

- sign 1802.360+/-0.330 χ^2/NDF: 319419.3/26



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1229.431+/-351.476 χ^2/NDF:32.0/9

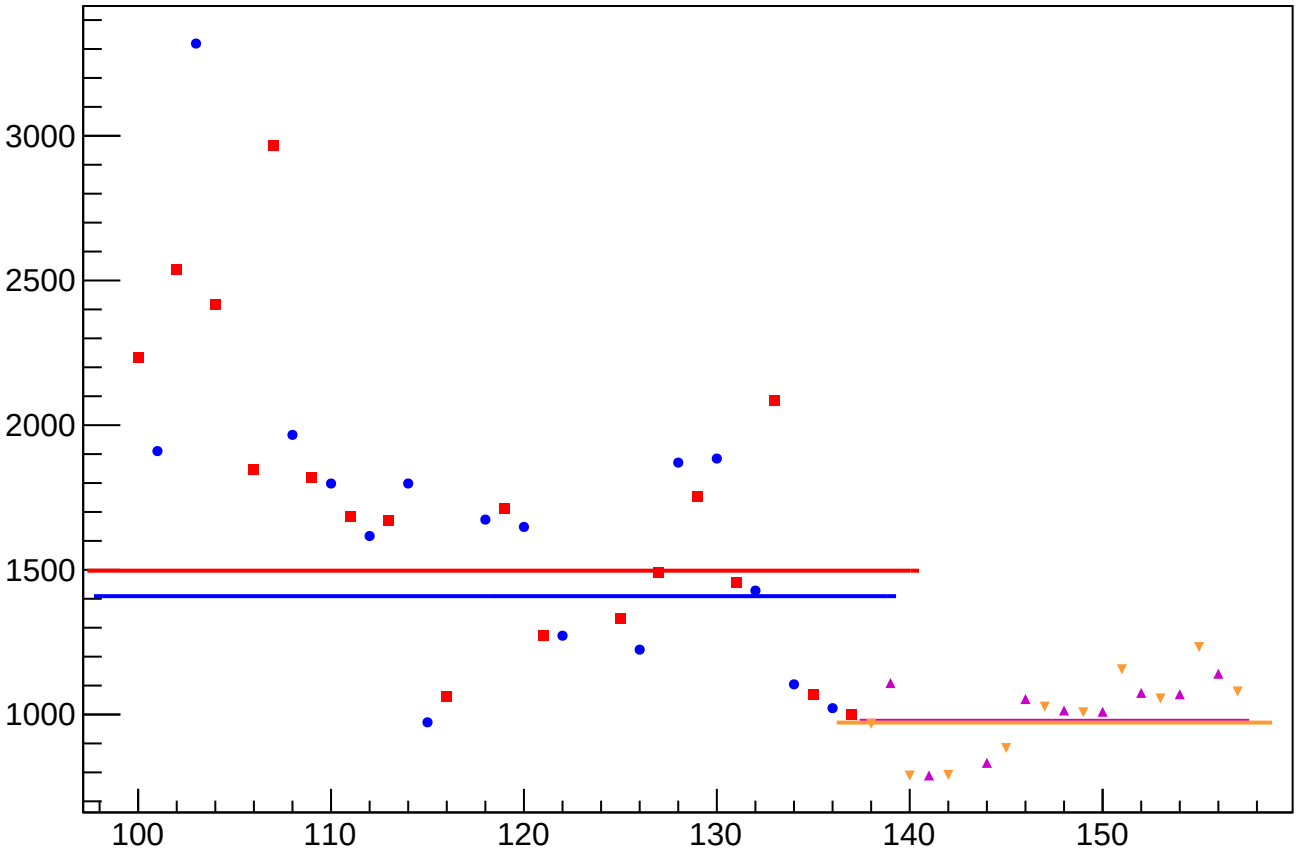
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -131.636+/-353.161 χ^2/NDF:7.6/8

+ sign -1121.693+/-296.127 χ^2/NDF: 53.0/25

All: -740.991+/-211.550 χ^2/NDF: 78.8/52

- sign -344.191+/-302.323 χ^2/NDF: 22.5/26



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 972.168+/-0.249 χ^2/NDF:300929.5/9

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

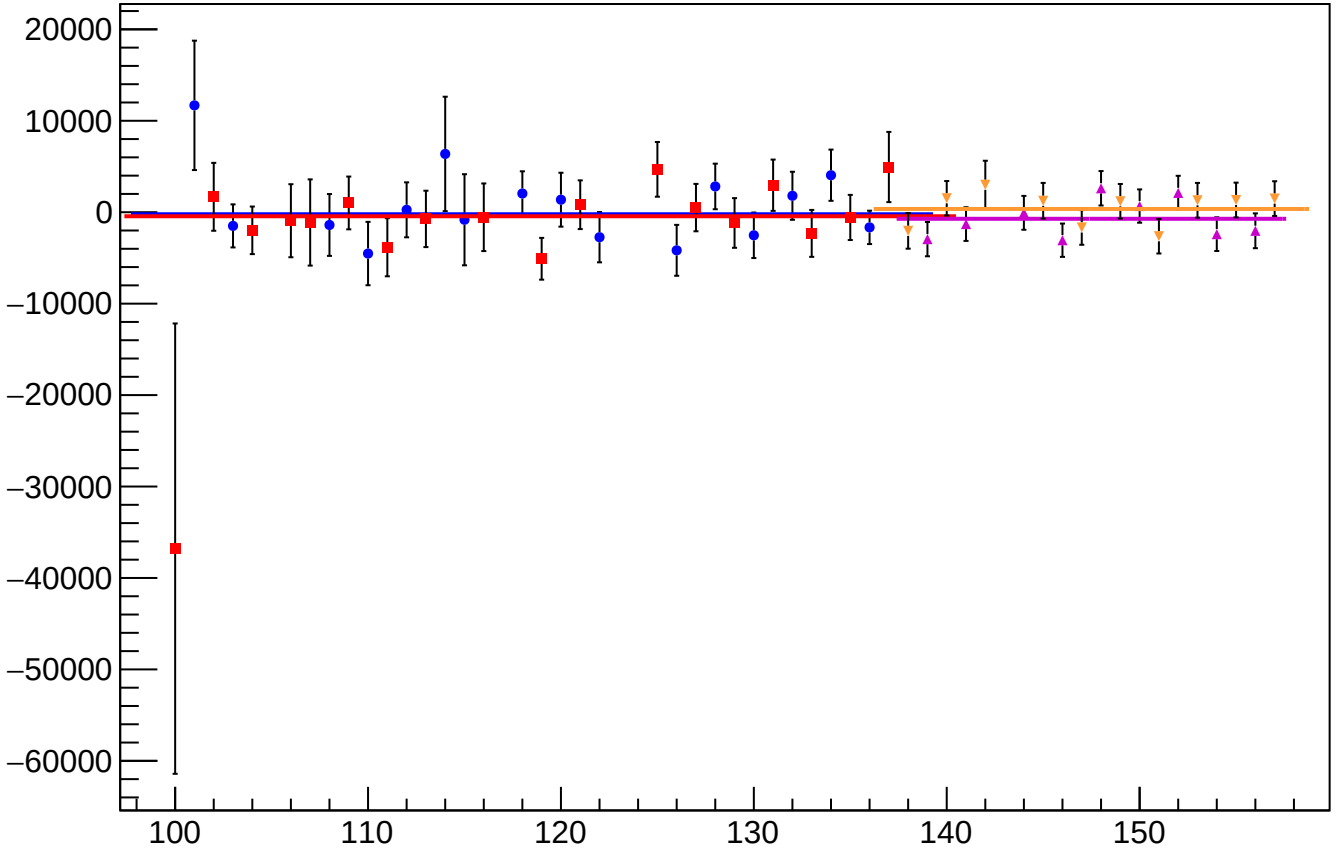
Left In: 978.258+/-0.250 χ^2/NDF:250868.0/8

+ sign 1098.922+/-0.209 χ^2/NDF: 2364456.6/25

All: 1107.722+/-0.150 χ^2/NDF: 4790606.0/52

- sign 1116.894+/-0.214 χ^2/NDF: 2422542.1/26

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 355.920+/-617.574 χ^2/NDF:7.8/9

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

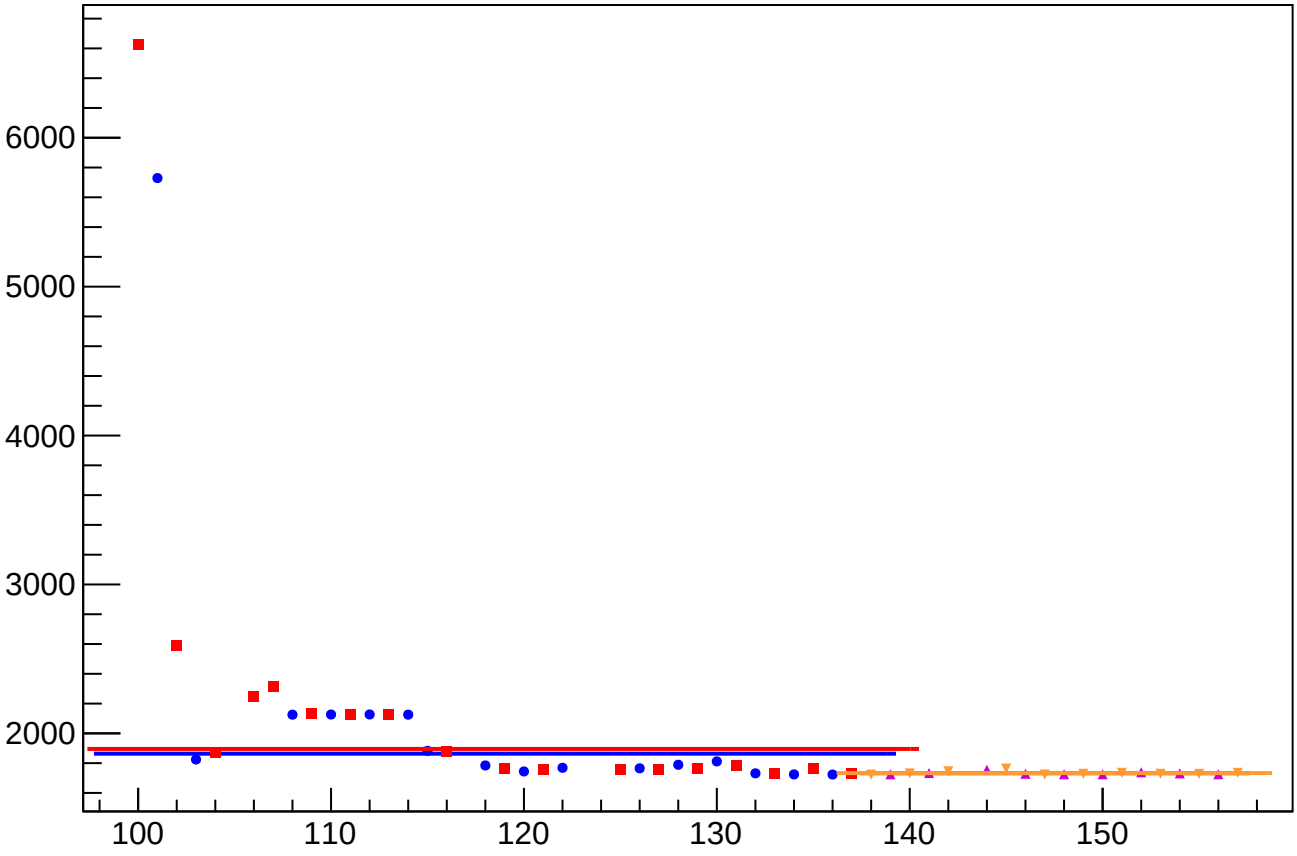
Left In: -719.380+/-618.571 χ^2/NDF:10.6/8

+ sign 105.905+/-465.725 χ^2/NDF: 24.0/25

All: -246.239+/-329.862 χ^2/NDF: 51.6/52

- sign -600.719+/-467.268 χ^2/NDF: 26.5/26

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.150+/-0.437 χ^2/NDF:666.4/9

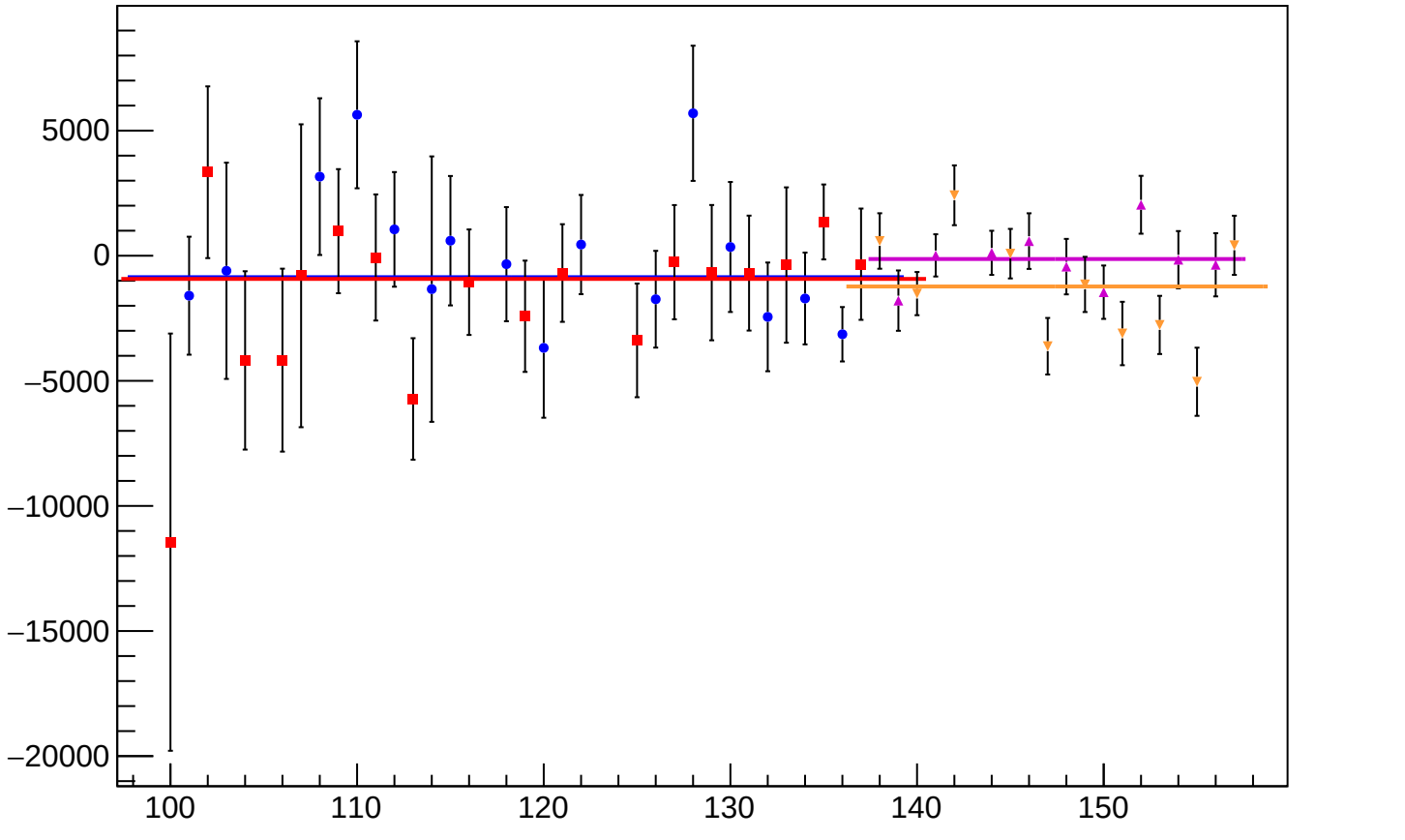
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.282+/-0.437 χ^2/NDF:464.9/8

+ sign 1789.405+/-0.329 χ^2/NDF: 713808.2/25

All: 1795.861+/-0.233 χ^2/NDF: 1033998.6/52

- sign 1802.360+/-0.330 χ^2/NDF: 319419.3/26



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1229.431+/-351.476 χ^2/NDF:32.0/9

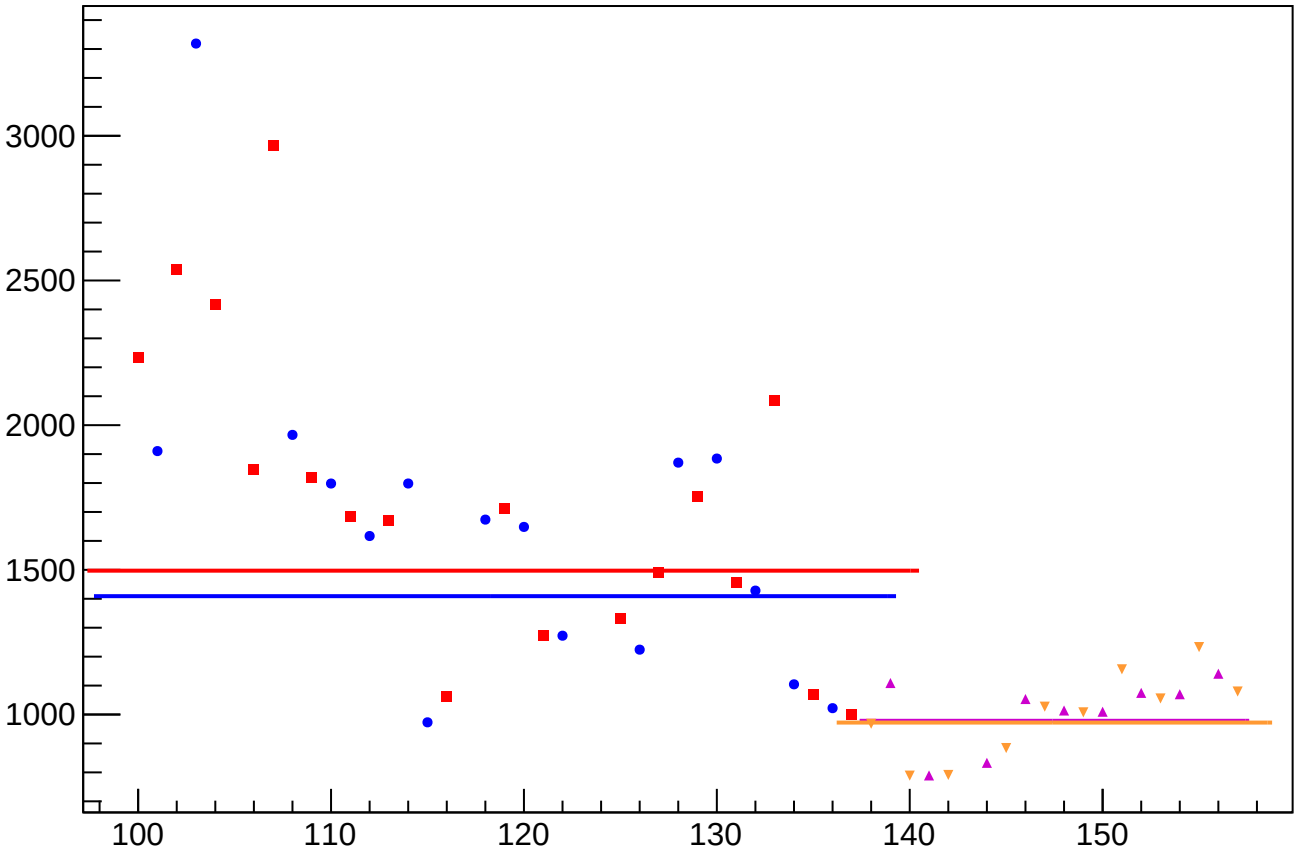
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -131.636+/-353.161 χ^2/NDF:7.6/8

+ sign -1121.693+/-296.127 χ^2/NDF: 53.0/25

All: -740.991+/-211.550 χ^2/NDF: 78.8/52

- sign -344.191+/-302.323 χ^2/NDF: 22.5/26



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 972.168+/-0.249 χ^2/NDF:300929.5/9

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

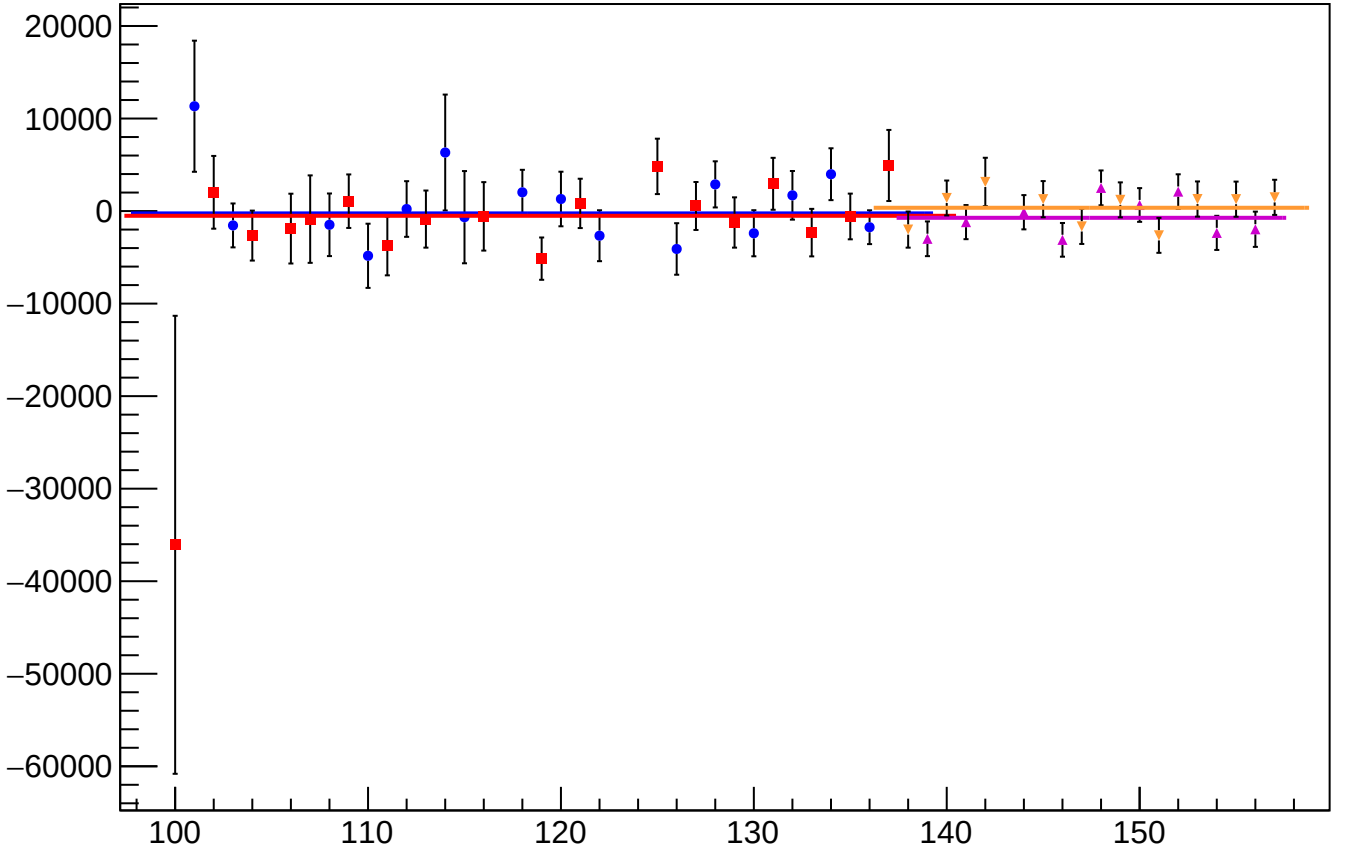
Left In: 978.258+/-0.250 χ^2/NDF:250868.0/8

+ sign 1098.922+/-0.209 χ^2/NDF: 2364456.6/25

All: 1107.722+/-0.150 χ^2/NDF: 4790606.0/52

- sign 1116.894+/-0.214 χ^2/NDF: 2422542.1/26

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.130+/-617.752 χ^2/NDF:7.8/9

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

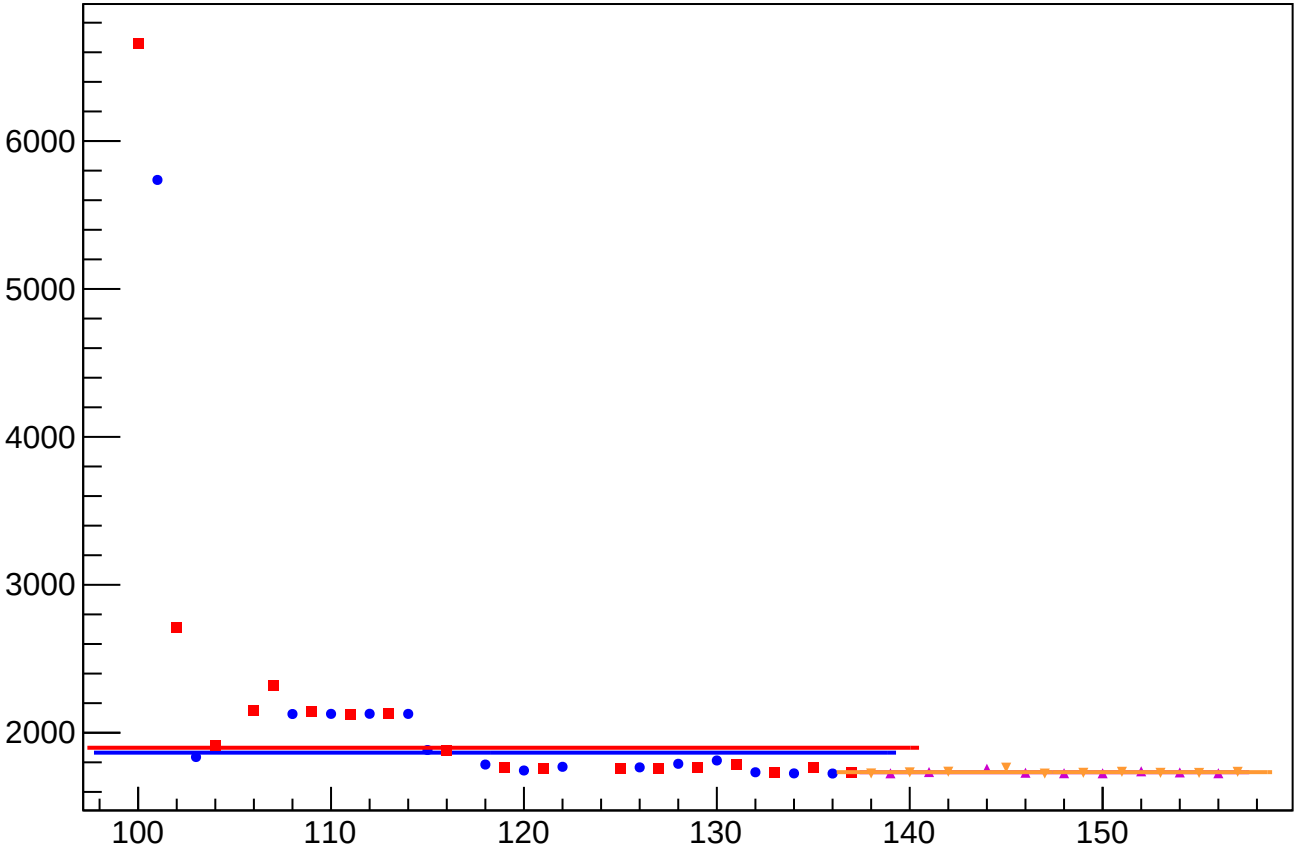
Left In: -728.733+/-618.865 χ^2/NDF:10.4/8

+ sign 94.091+/-466.034 χ^2/NDF: 23.9/25

All: -268.961+/-330.247 χ^2/NDF: 51.9/52

- sign -635.166+/-468.053 χ^2/NDF: 26.8/26

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

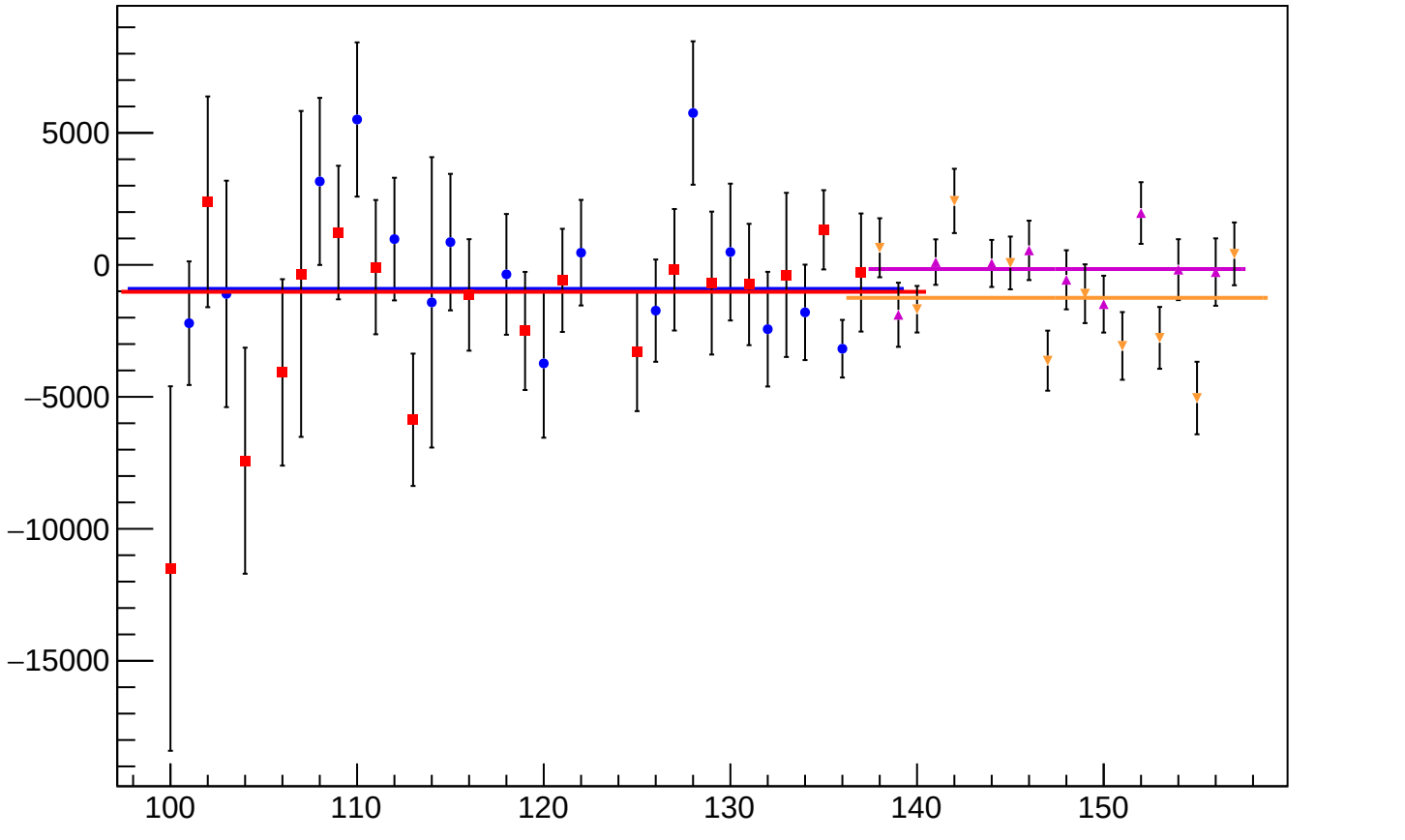
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1733.106+/-0.438 χ^2/NDF:465.0/8

+ sign 1790.400+/-0.330 χ^2/NDF: 714864.1/25

All: 1797.140+/-0.234 χ^2/NDF: 1046494.6/52

- sign 1803.938+/-0.331 χ^2/NDF: 330790.2/26



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1248.828+/-355.503 χ^2/NDF:31.6/9

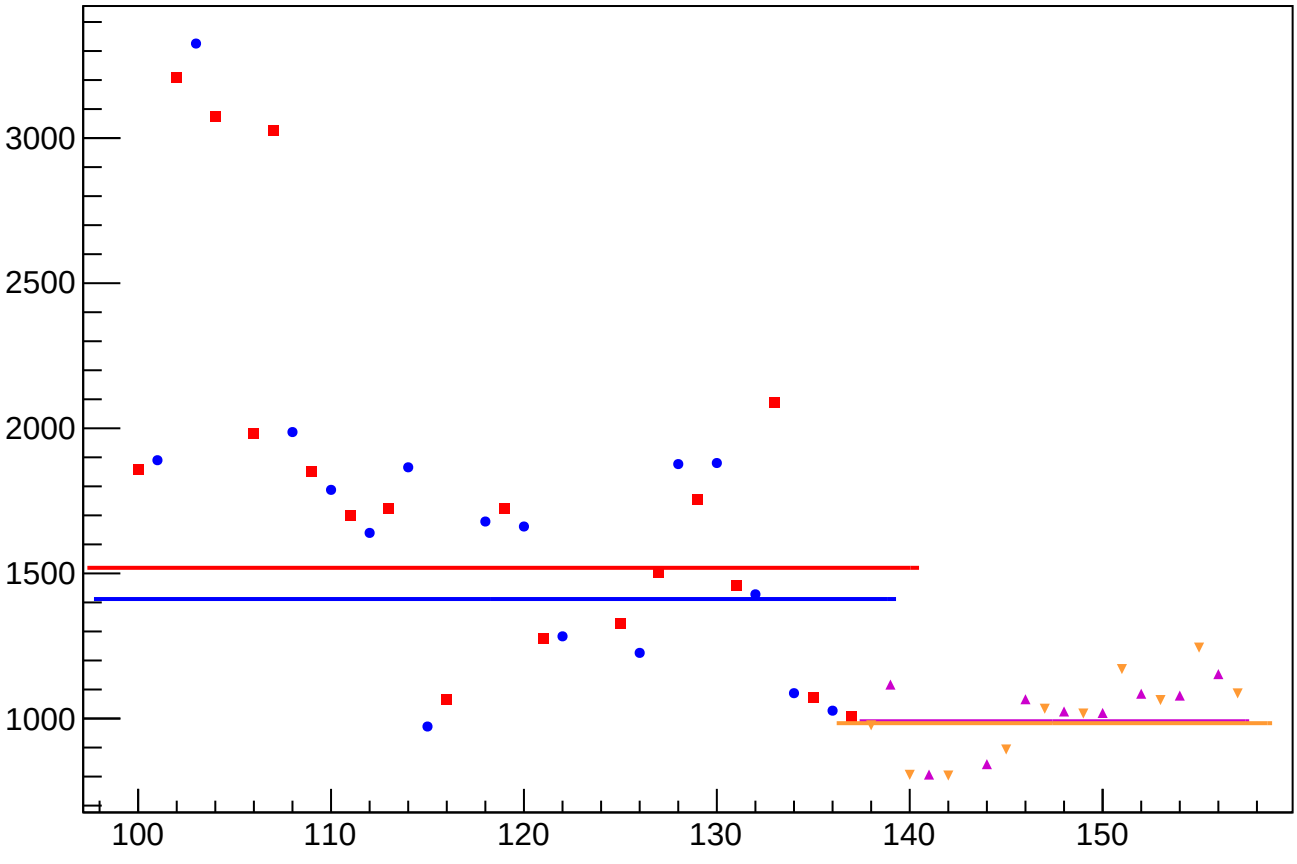
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -158.290+/-357.372 χ^2/NDF:7.5/8

+ sign -1149.477+/-298.697 χ^2/NDF: 52.9/25

All: -778.142+/-213.709 χ^2/NDF: 80.1/52

- sign -388.702+/-305.892 χ^2/NDF: 24.0/26



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 983.962+/-0.251 χ^2/NDF:285586.9/9

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

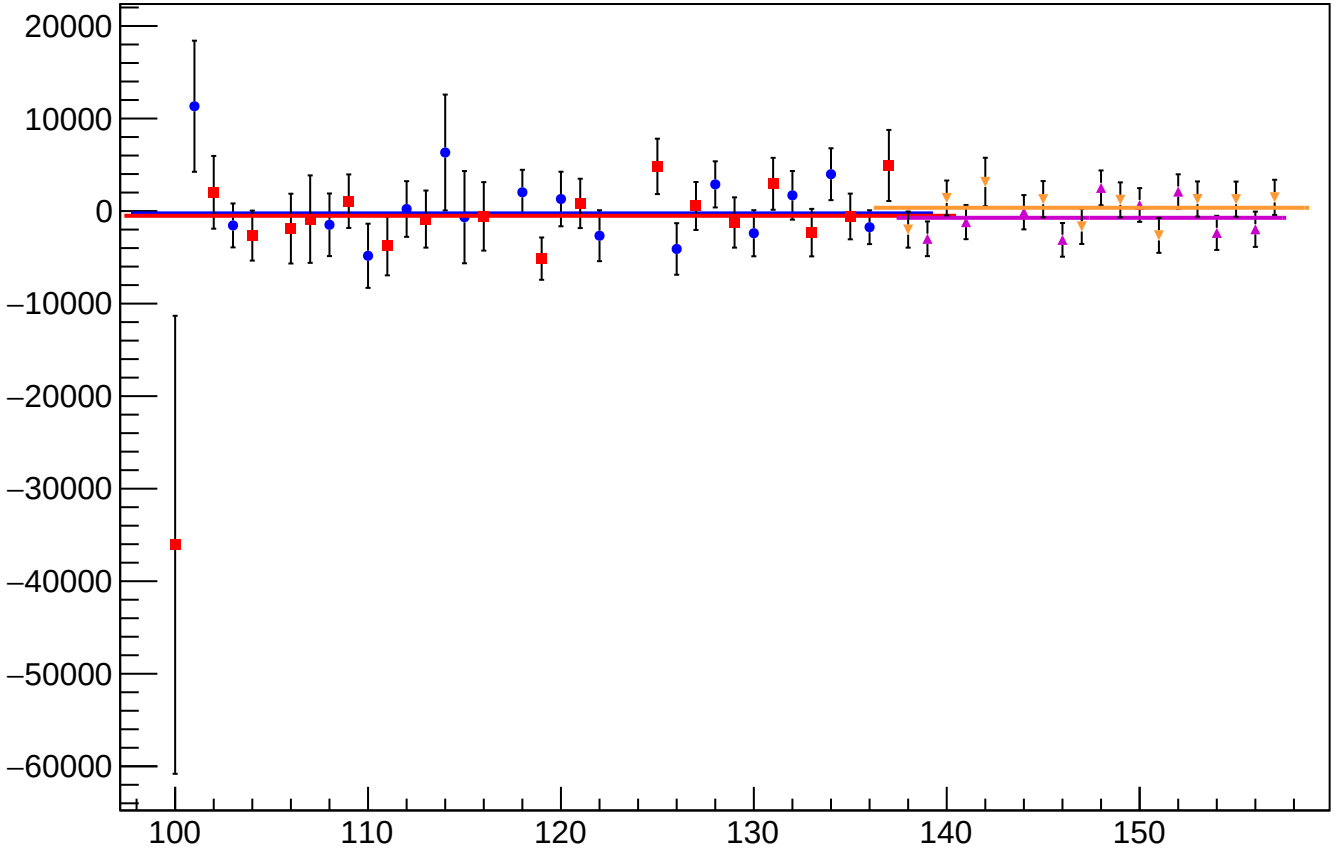
Left In: 990.600+/-0.253 χ^2/NDF:237121.1/8

+ sign 1109.751+/-0.211 χ^2/NDF: 2314890.2/25

All: 1120.586+/-0.151 χ^2/NDF: 5087848.8/52

- sign 1131.949+/-0.216 χ^2/NDF: 2767567.2/26

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 356.127+/-617.752 χ^2/NDF:7.8/9

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

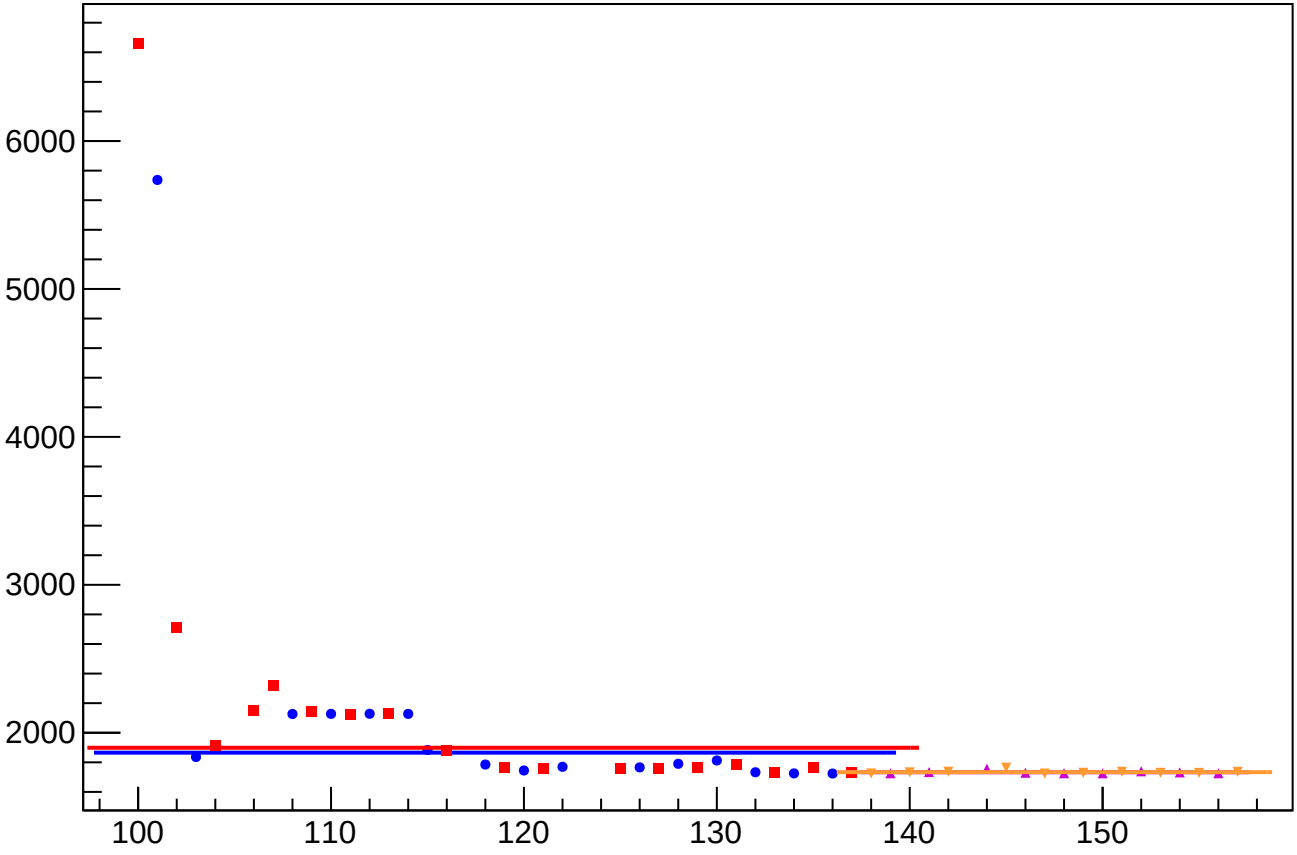
Left In: -728.735+/-618.865 χ^2/NDF:10.4/8

+ sign 94.090+/-466.034 χ^2/NDF: 23.9/25

All: -268.962+/-330.247 χ^2/NDF: 51.9/52

- sign -635.167+/-468.053 χ^2/NDF: 26.8/26

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.588+/-0.437 χ^2/NDF:616.5/9

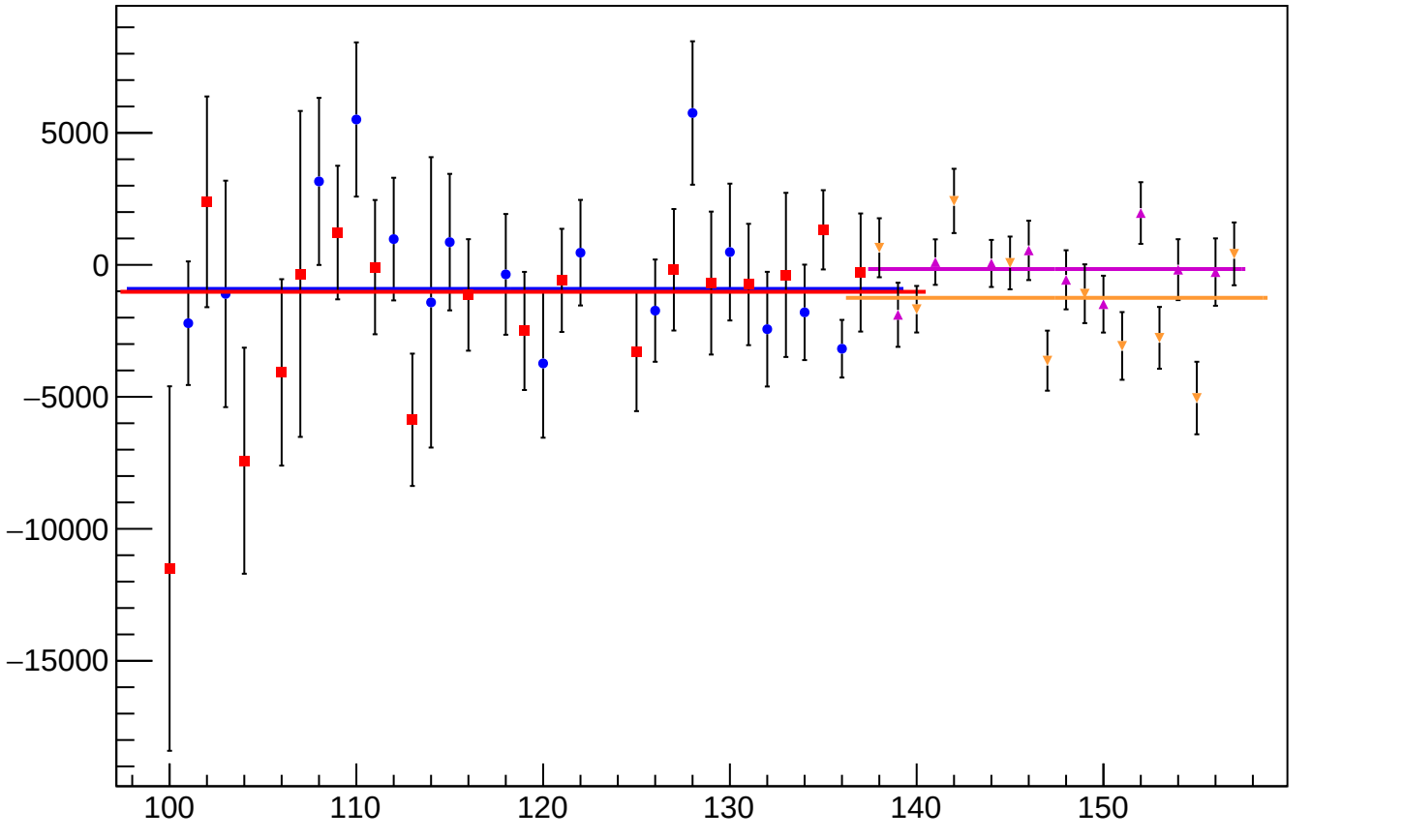
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1733.106+/-0.438 χ^2/NDF:465.0/8

+ sign 1790.400+/-0.330 χ^2/NDF: 714864.1/25

All: 1797.140+/-0.234 χ^2/NDF: 1046494.3/52

- sign 1803.938+/-0.331 χ^2/NDF: 330789.9/26



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1248.827+/-355.503 χ^2/NDF:31.6/9

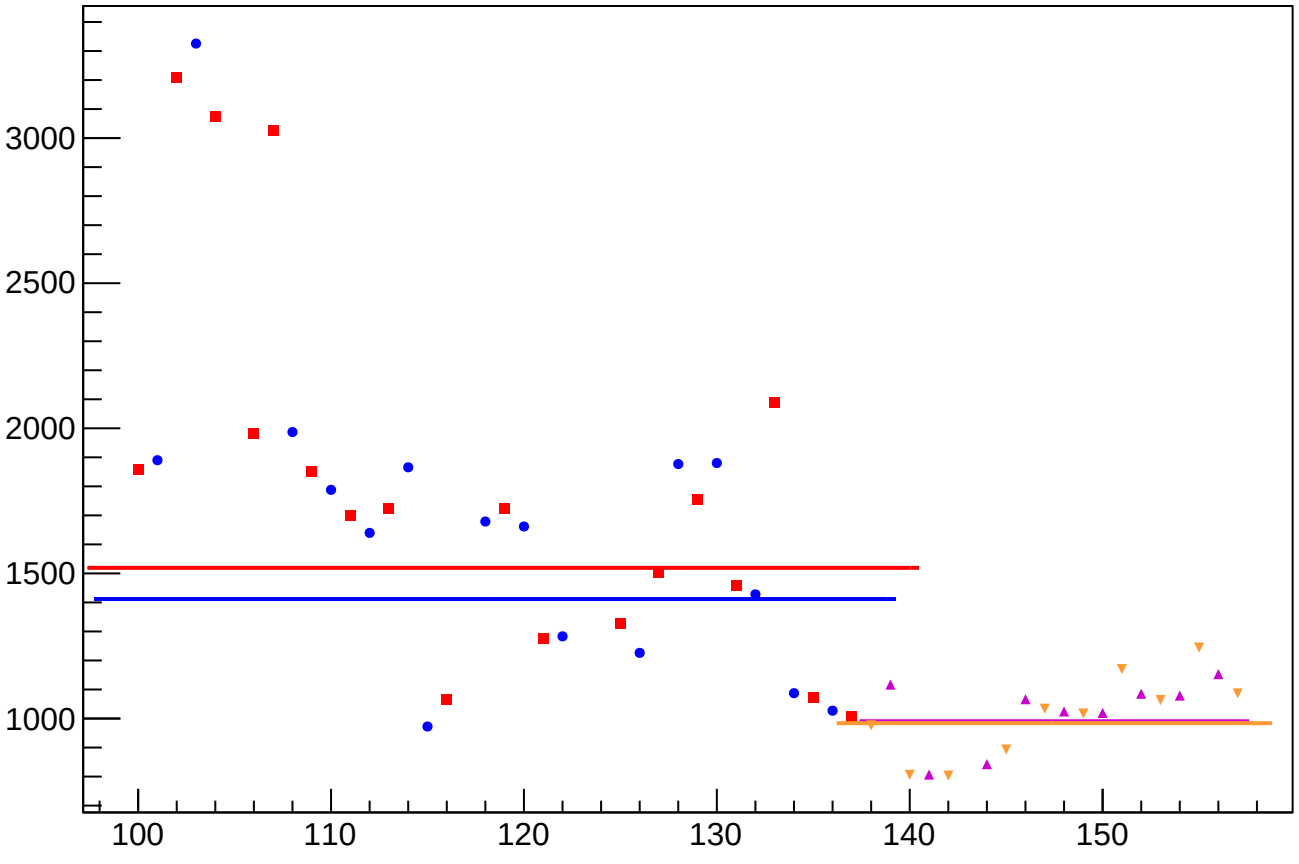
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -158.290+/-357.372 χ^2/NDF:7.5/8

+ sign -1149.475+/-298.697 χ^2/NDF: 52.9/25

All: -778.141+/-213.709 χ^2/NDF: 80.1/52

- sign -388.702+/-305.892 χ^2/NDF: 24.0/26



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 983.961+/-0.251 χ^2/NDF:285596.6/9

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

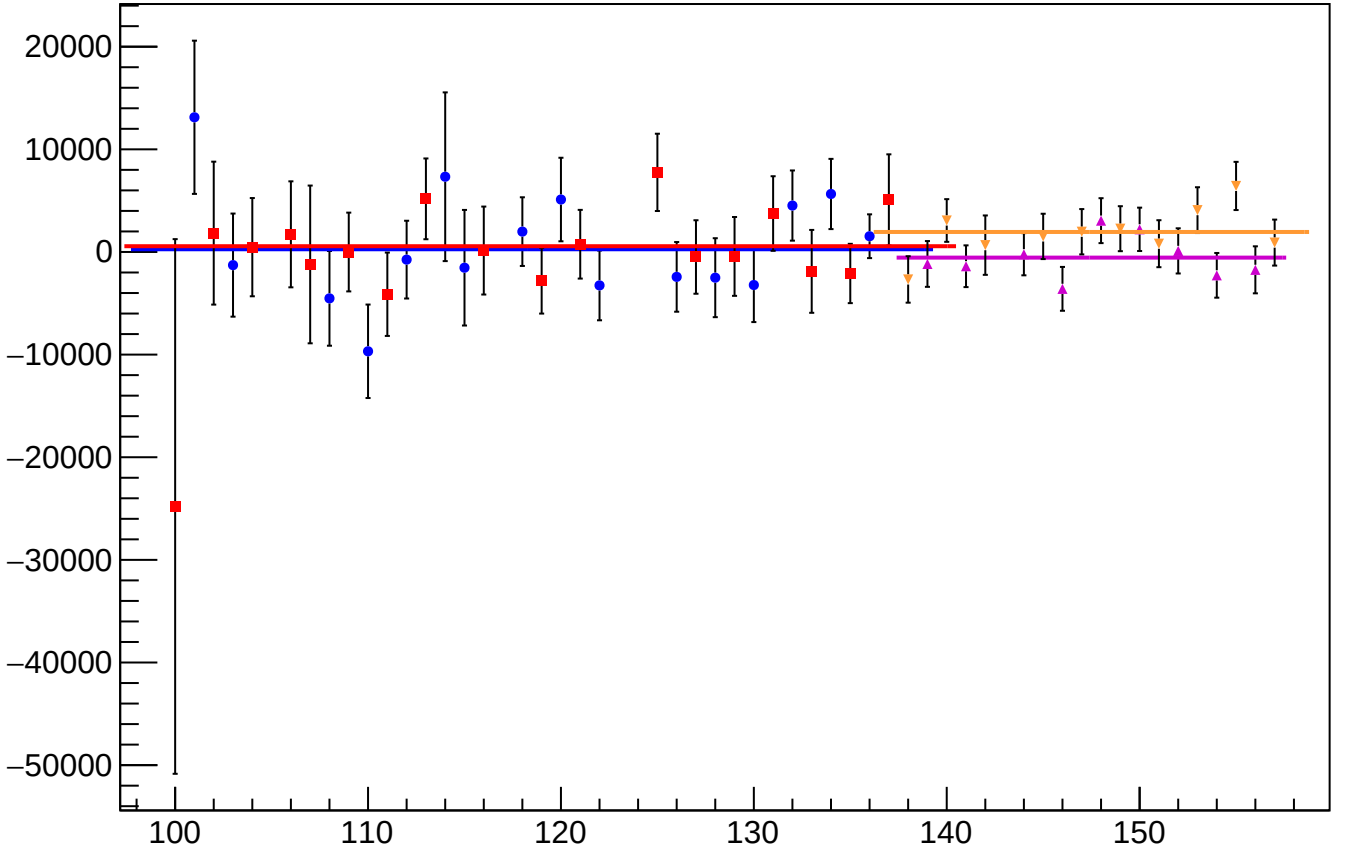
Left In: 990.600+/-0.253 χ^2/NDF:237128.9/8

+ sign 1109.751+/-0.211 χ^2/NDF: 2314891.7/25

All: 1120.586+/-0.151 χ^2/NDF: 5087852.5/52

- sign 1131.949+/-0.216 χ^2/NDF: 2767569.0/26

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1949.088+/-718.481 χ^2/NDF:9.7/9

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

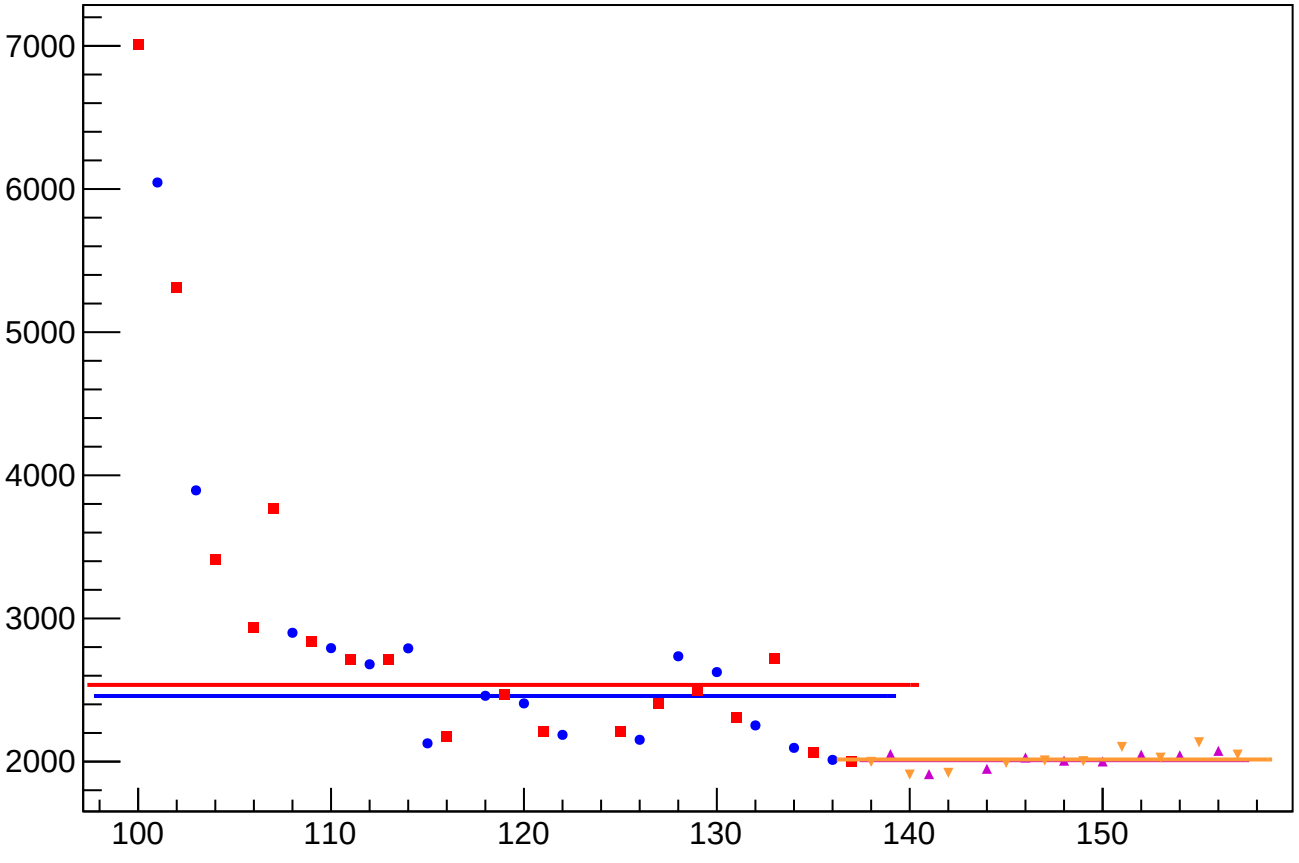
Left In: -550.690+/-718.055 χ^2/NDF:7.7/8

+ sign 1329.462+/-571.274 χ^2/NDF: 30.8/25

All: 593.645+/-405.484 χ^2/NDF: 54.4/52

- sign -153.445+/-575.633 χ^2/NDF: 20.3/26

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2014.765+/-0.508 χ^2/NDF:16364.4/9

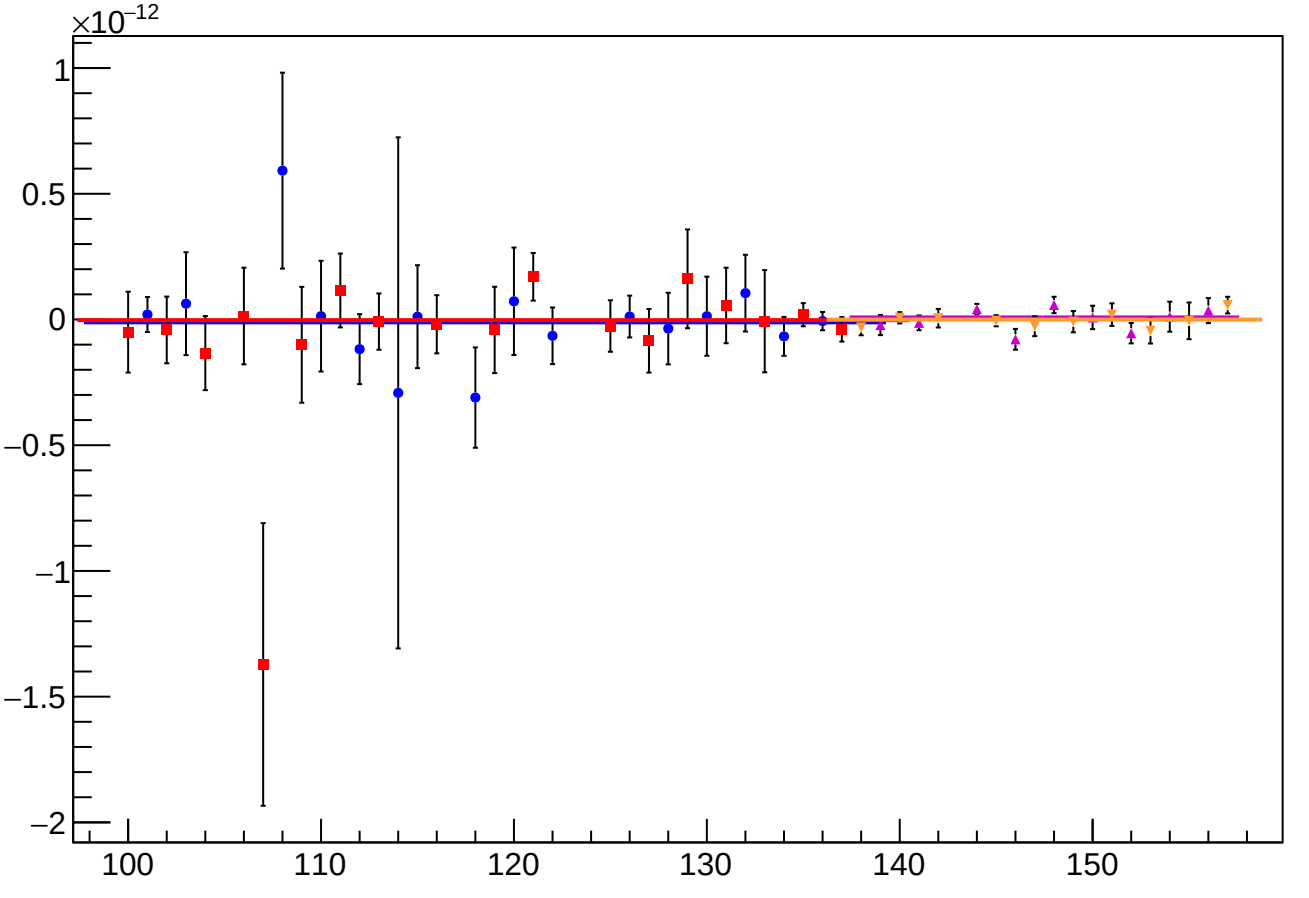
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2009.909+/-0.508 χ^2/NDF:9921.6/8

+ sign 2177.906+/-0.404 χ^2/NDF: 1129617.8/25

All: 2187.792+/-0.287 χ^2/NDF: 2197411.2/52

- sign 2197.829+/-0.407 χ^2/NDF: 1066586.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/9

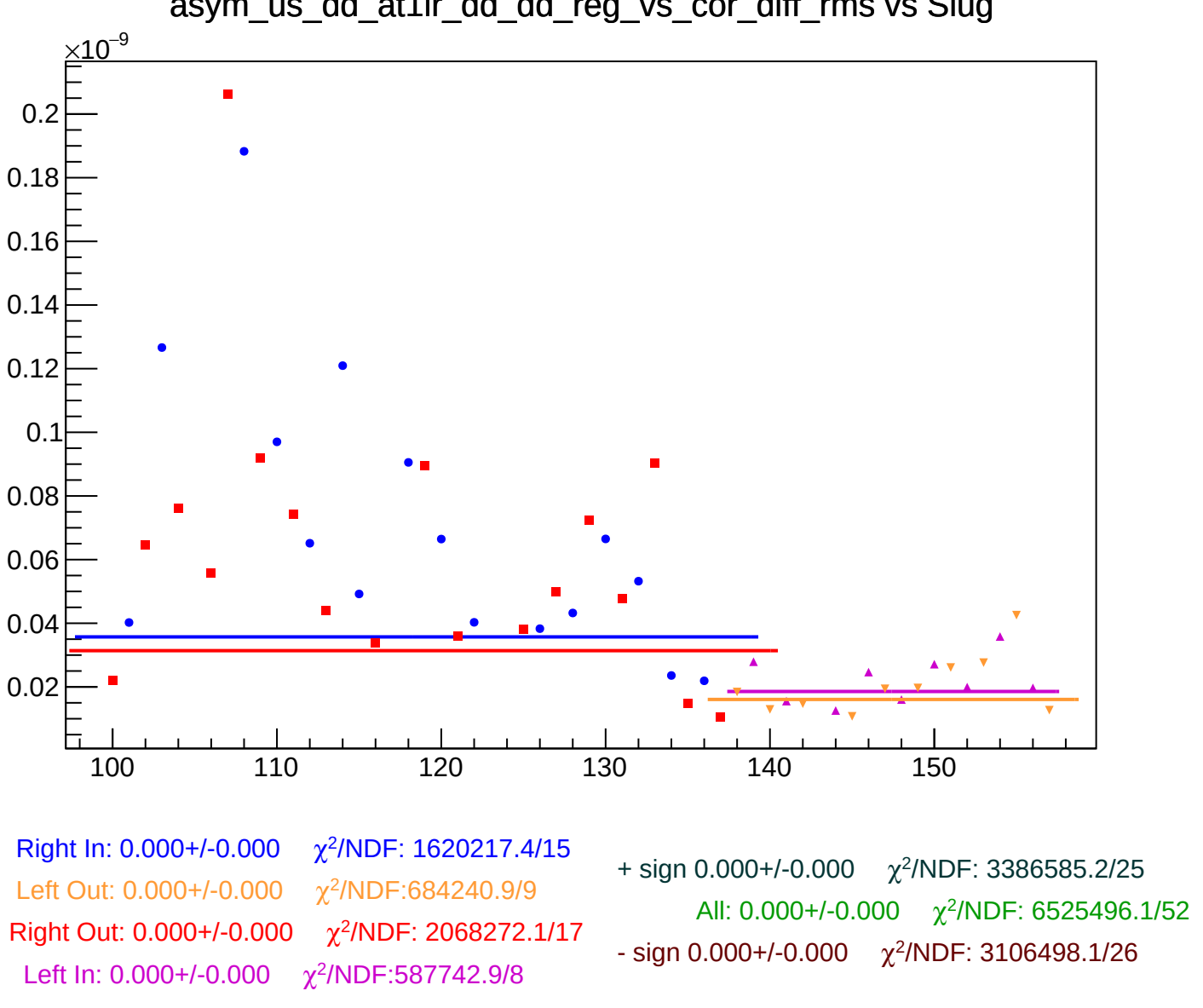
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

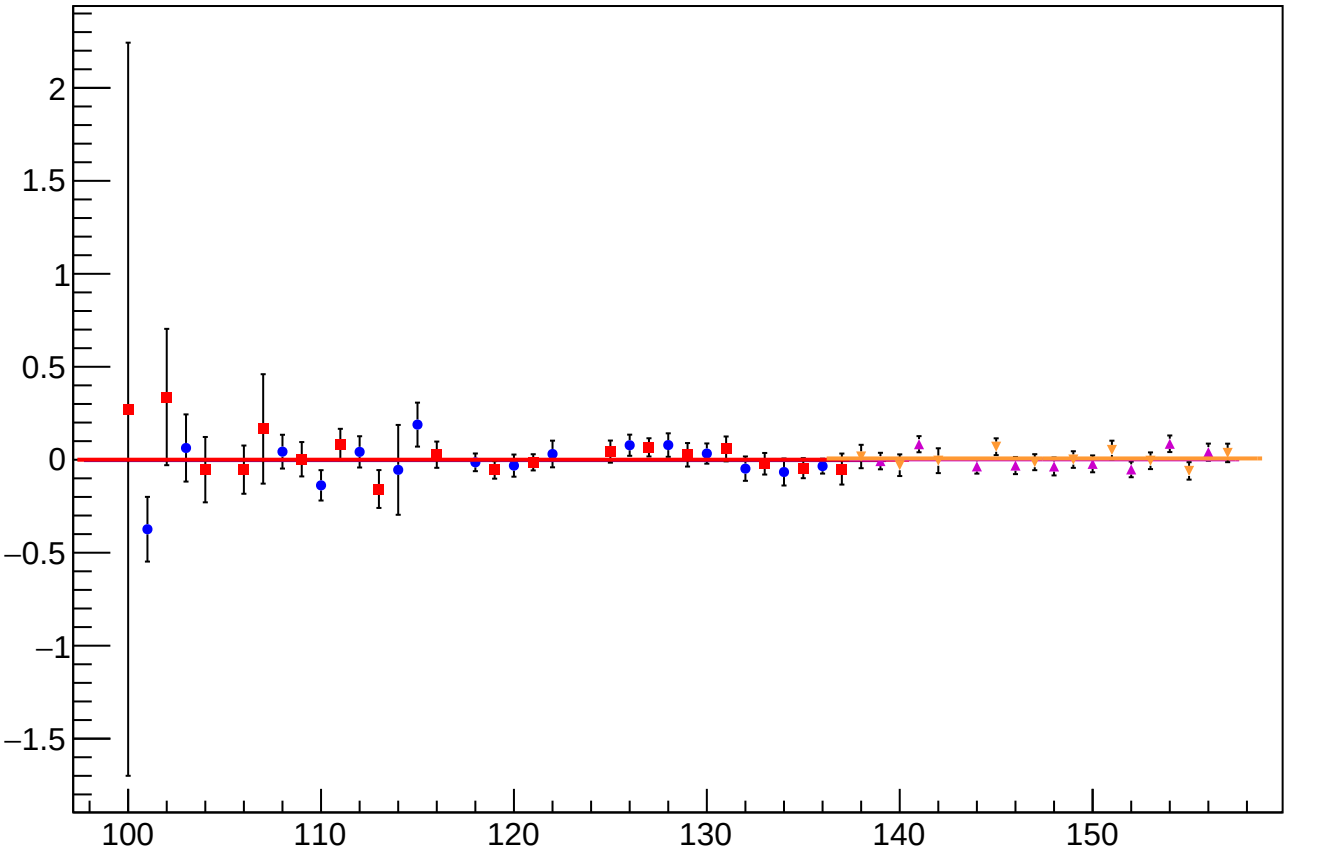
Left In: 0.000+/-0.000 χ^2/NDF:13.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 13.1/25

All: 0.000+/-0.000 χ^2/NDF: 39.8/52

- sign 0.000+/-0.000 χ^2/NDF: 26.4/26


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:684240.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:587742.9/8
+ sign 0.000+/-0.000 χ²/NDF: 3386585.2/25
All: 0.000+/-0.000 χ²/NDF: 6525496.1/52
- sign 0.000+/-0.000 χ²/NDF: 3106498.1/26



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

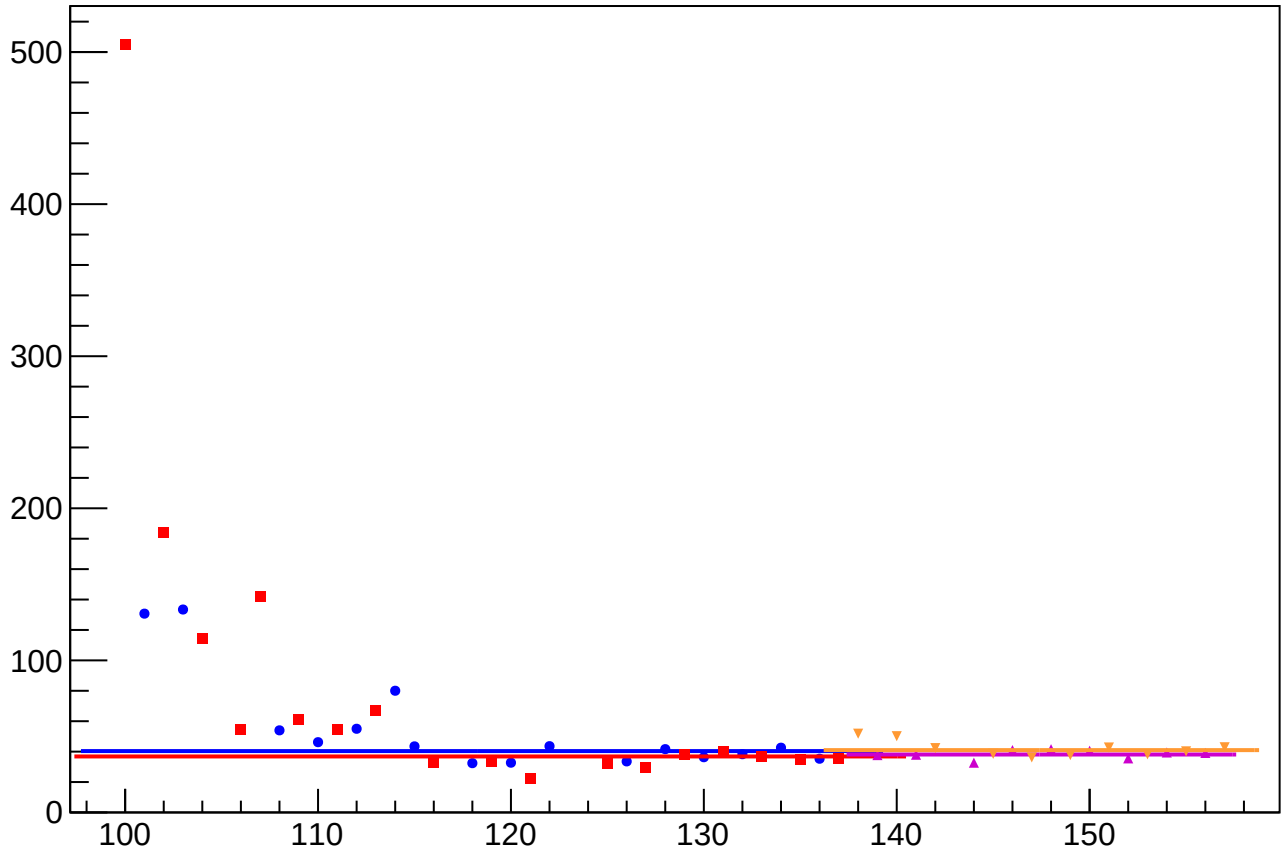
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.015 χ^2/NDF:11.9/8

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.002+/-0.008 χ^2/NDF: 46.0/52

- sign 0.001+/-0.011 χ^2/NDF: 22.8/26



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.988+/-0.011 χ^2/NDF:163927.5/9

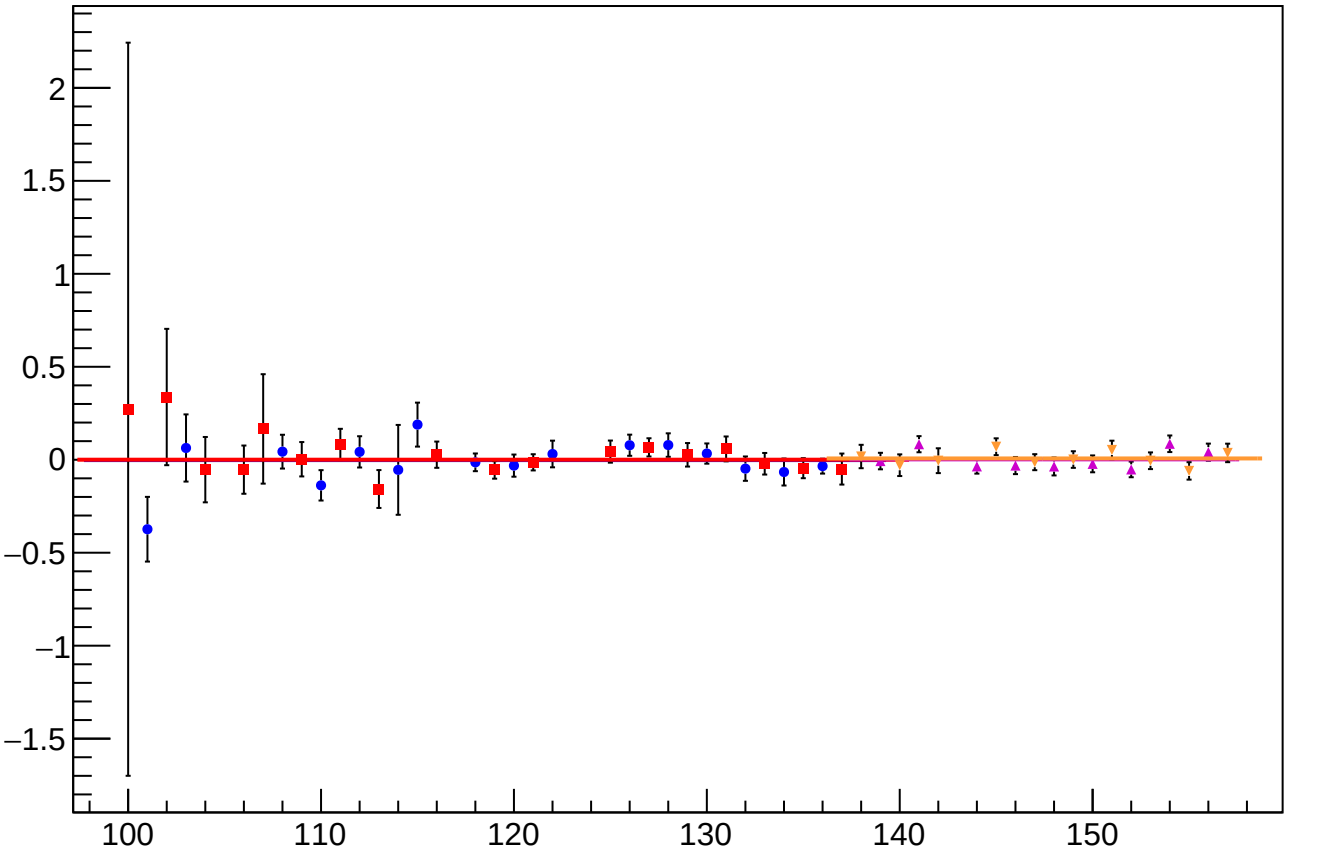
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.106+/-0.010 χ^2/NDF:72996.2/8

+ sign 40.697+/-0.008 χ^2/NDF: 1575572.2/25

All: 39.047+/-0.006 χ^2/NDF: 3570226.3/52

- sign 37.545+/-0.008 χ^2/NDF: 1916765.6/26



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

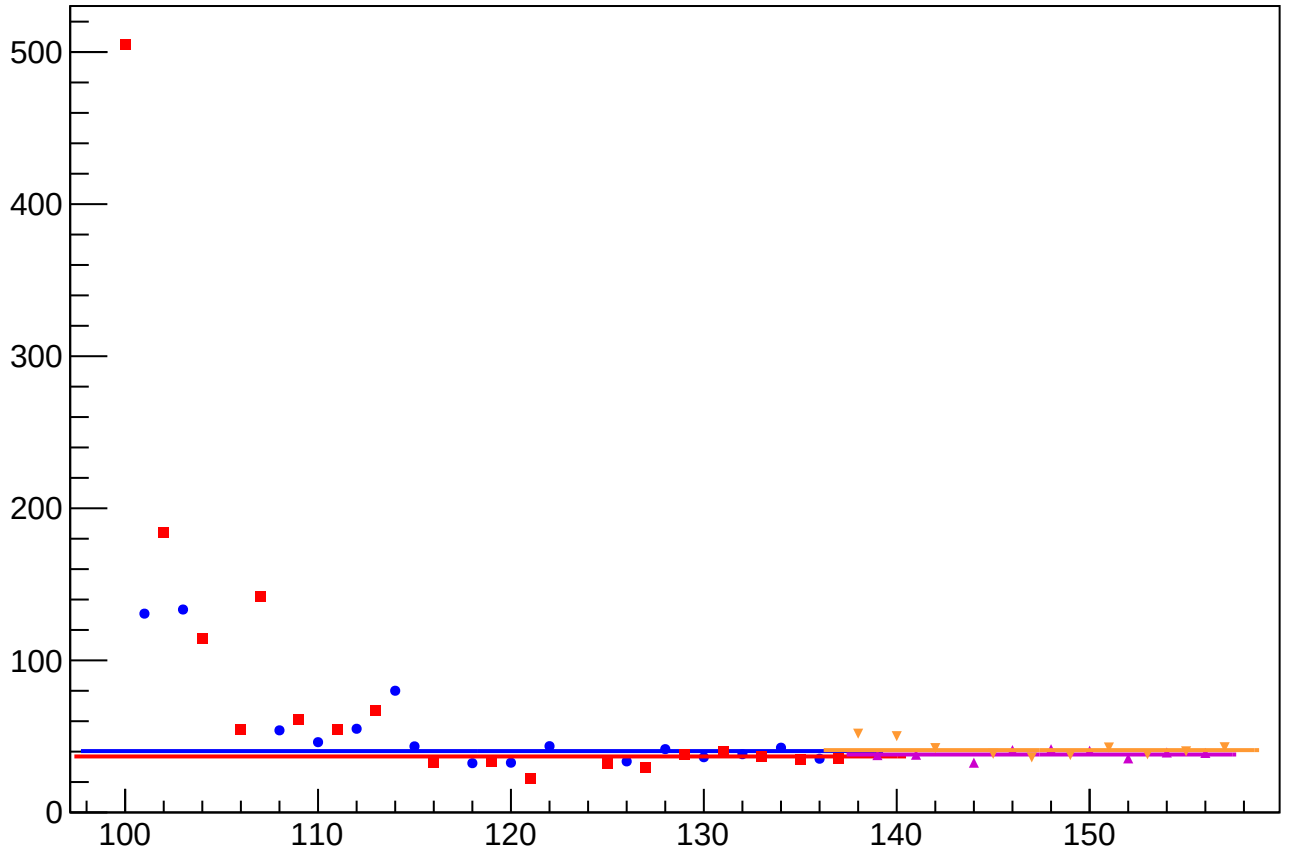
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.015 χ^2/NDF:11.9/8

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.002+/-0.008 χ^2/NDF: 46.0/52

- sign 0.001+/-0.011 χ^2/NDF: 22.8/26



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.988+/-0.011 χ^2/NDF:163927.5/9

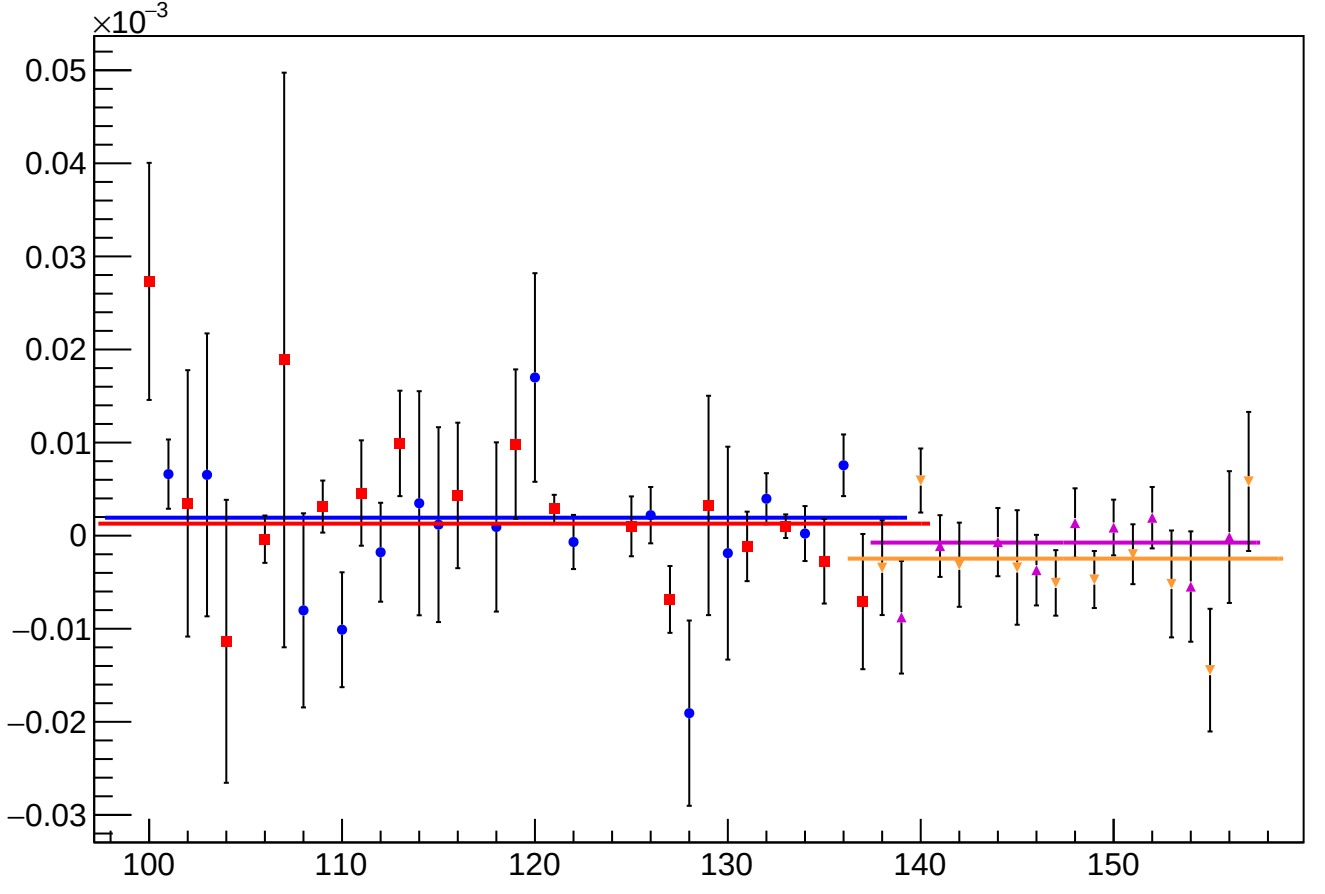
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.106+/-0.010 χ^2/NDF:72996.2/8

+ sign 40.697+/-0.008 χ^2/NDF: 1575572.2/25

All: 39.047+/-0.006 χ^2/NDF: 3570226.3/52

- sign 37.545+/-0.008 χ^2/NDF: 1916765.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/9

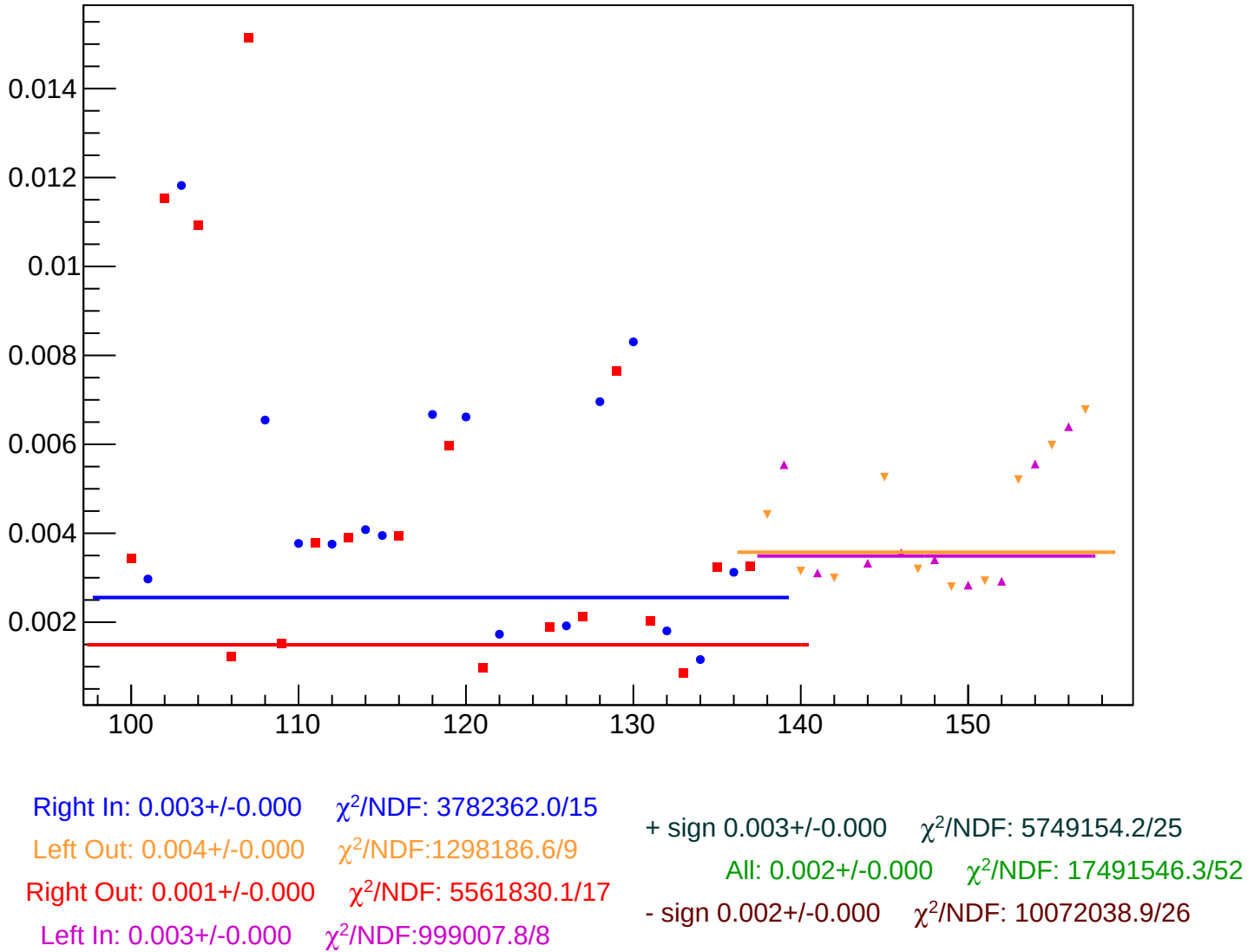
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

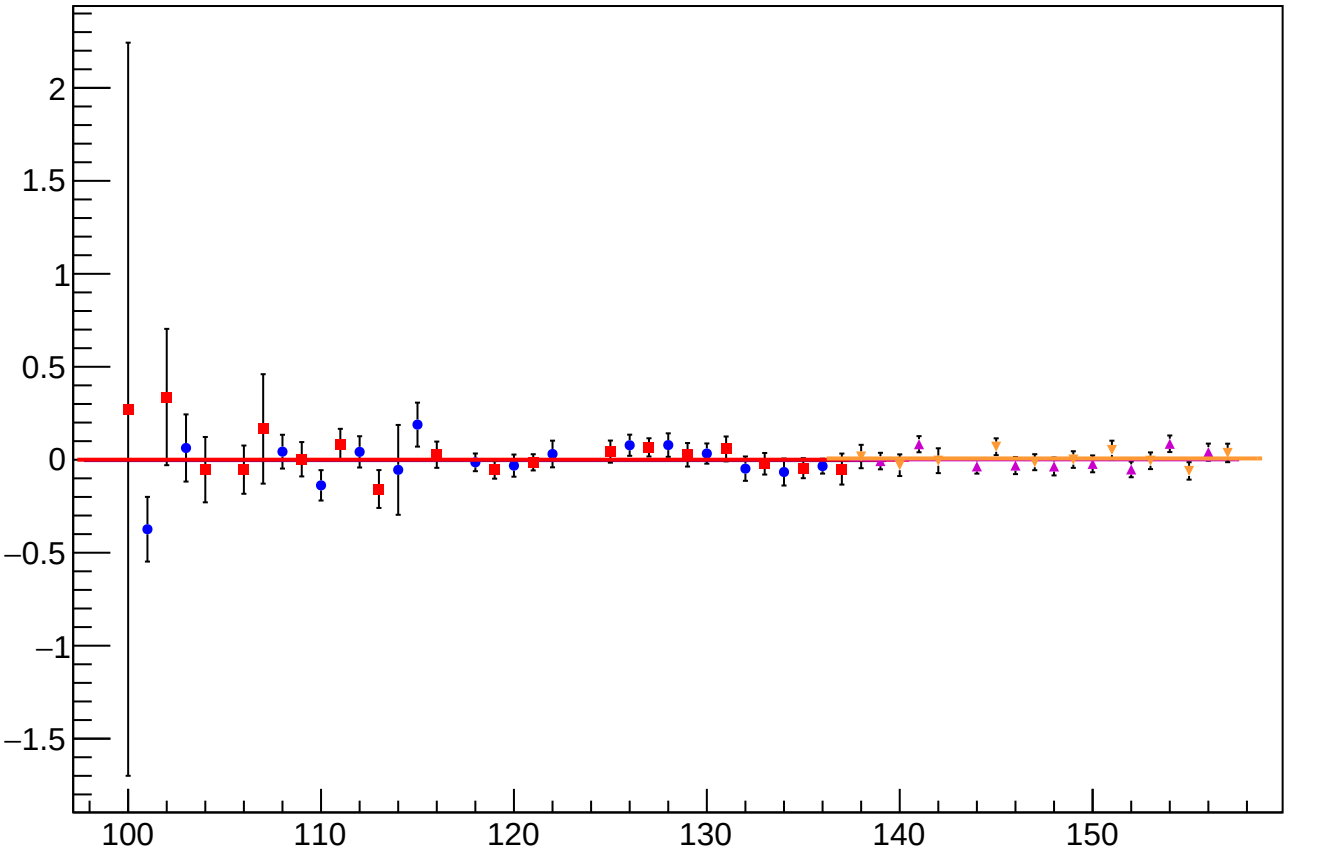
Left In: -0.000+/-0.000 χ^2/NDF:4.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/25

All: 0.000+/-0.000 χ^2/NDF: 61.4/52

- sign 0.000+/-0.000 χ^2/NDF: 25.0/26


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.004+/-0.000 χ²/NDF:1298186.6/9
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.003+/-0.000 χ²/NDF:999007.8/8
+ sign 0.003+/-0.000 χ²/NDF: 5749154.2/25
All: 0.002+/-0.000 χ²/NDF: 17491546.3/52
- sign 0.002+/-0.000 χ²/NDF: 10072038.9/26



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.007+/-0.016 χ^2/NDF:6.0/9

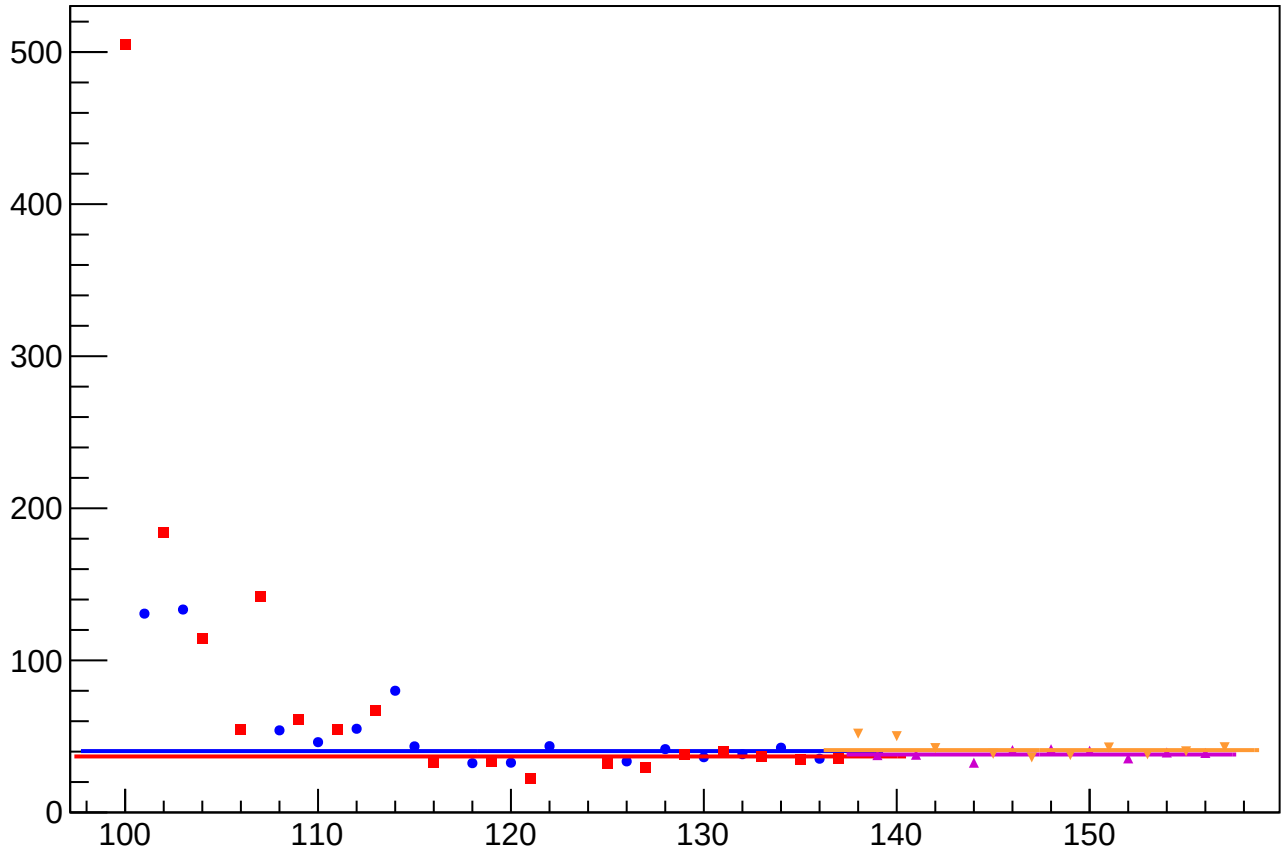
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.015 χ^2/NDF:11.9/8

+ sign 0.003+/-0.012 χ^2/NDF: 23.2/25

All: 0.002+/-0.008 χ^2/NDF: 46.0/52

- sign 0.001+/-0.011 χ^2/NDF: 22.8/26



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.989+/-0.011 χ^2/NDF:163936.3/9

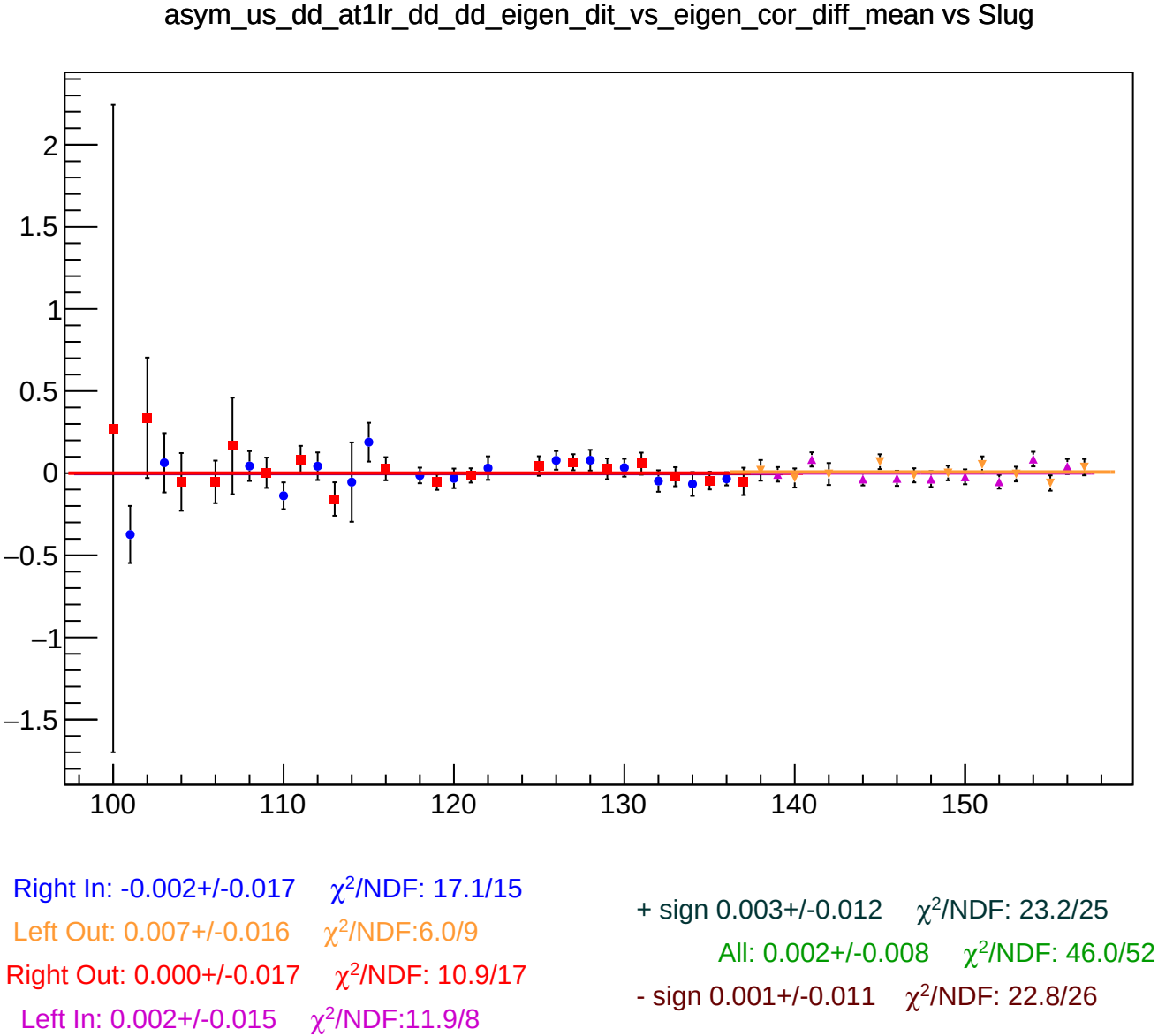
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

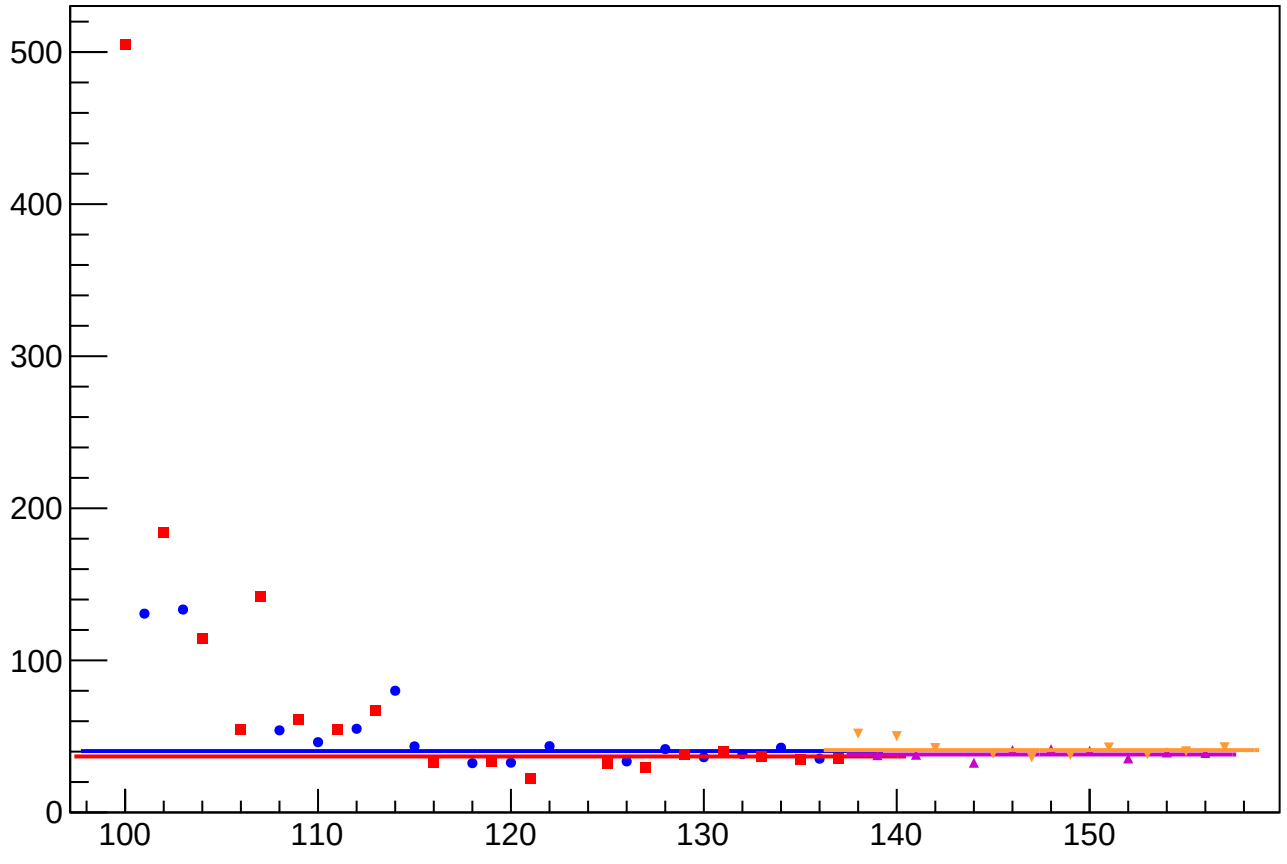
Left In: 38.106+/-0.010 χ^2/NDF:72995.6/8

\+ sign 40.697+/-0.008 χ^2/NDF: 1575478.7/25

All: 39.047+/-0.006 χ^2/NDF: 3570167.1/52

\- sign 37.545+/-0.008 χ^2/NDF: 1916770.8/26


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.002+/-0.017 χ²/NDF: 17.1/15
Left Out: 0.007+/-0.016 χ²/NDF:6.0/9
Right Out: 0.000+/-0.017 χ²/NDF: 10.9/17
Left In: 0.002+/-0.015 χ²/NDF:11.9/8
+ sign 0.003+/-0.012 χ²/NDF: 23.2/25
All: 0.002+/-0.008 χ²/NDF: 46.0/52
- sign 0.001+/-0.011 χ²/NDF: 22.8/26



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.989+/-0.011 χ^2/NDF:163936.3/9

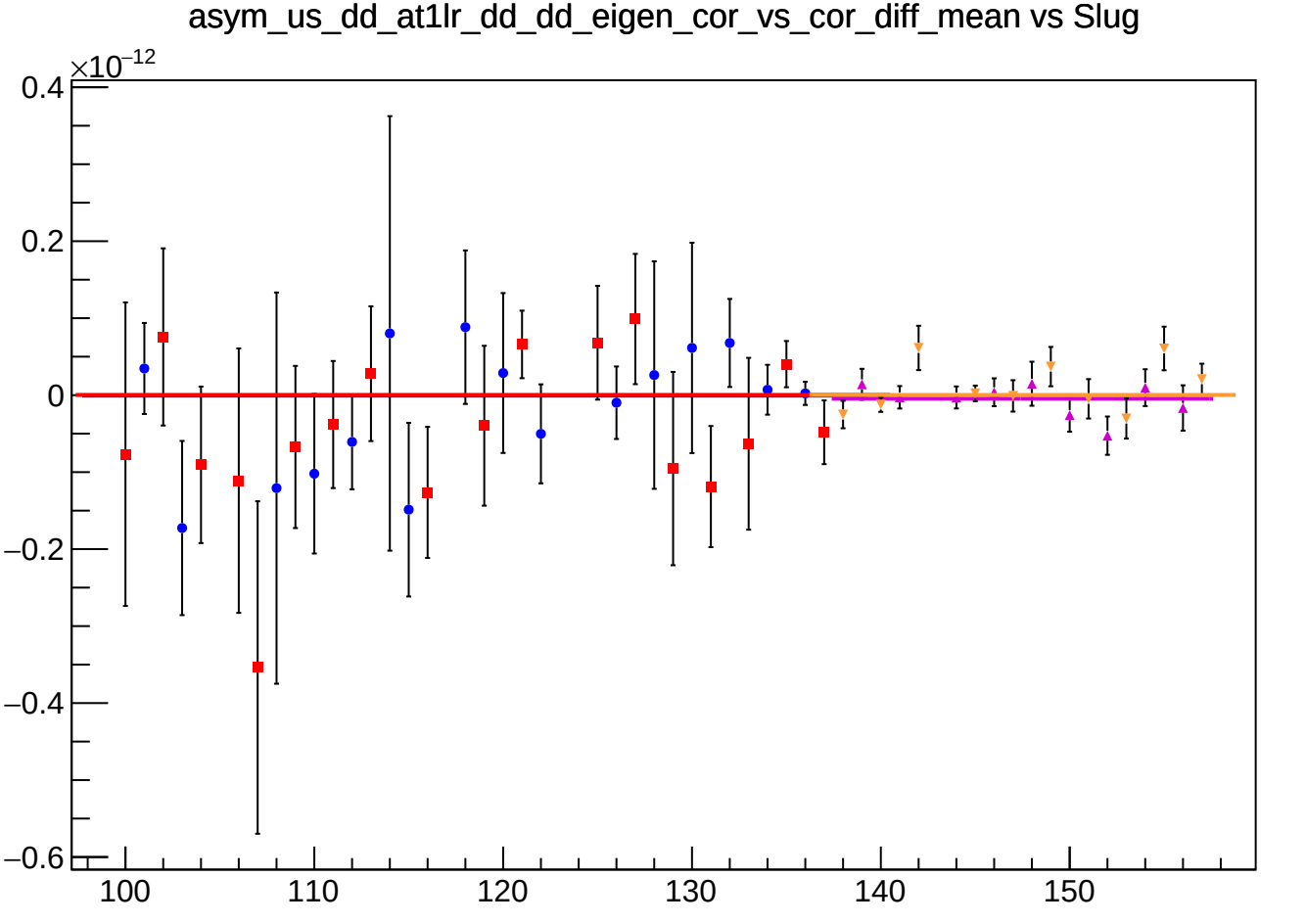
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

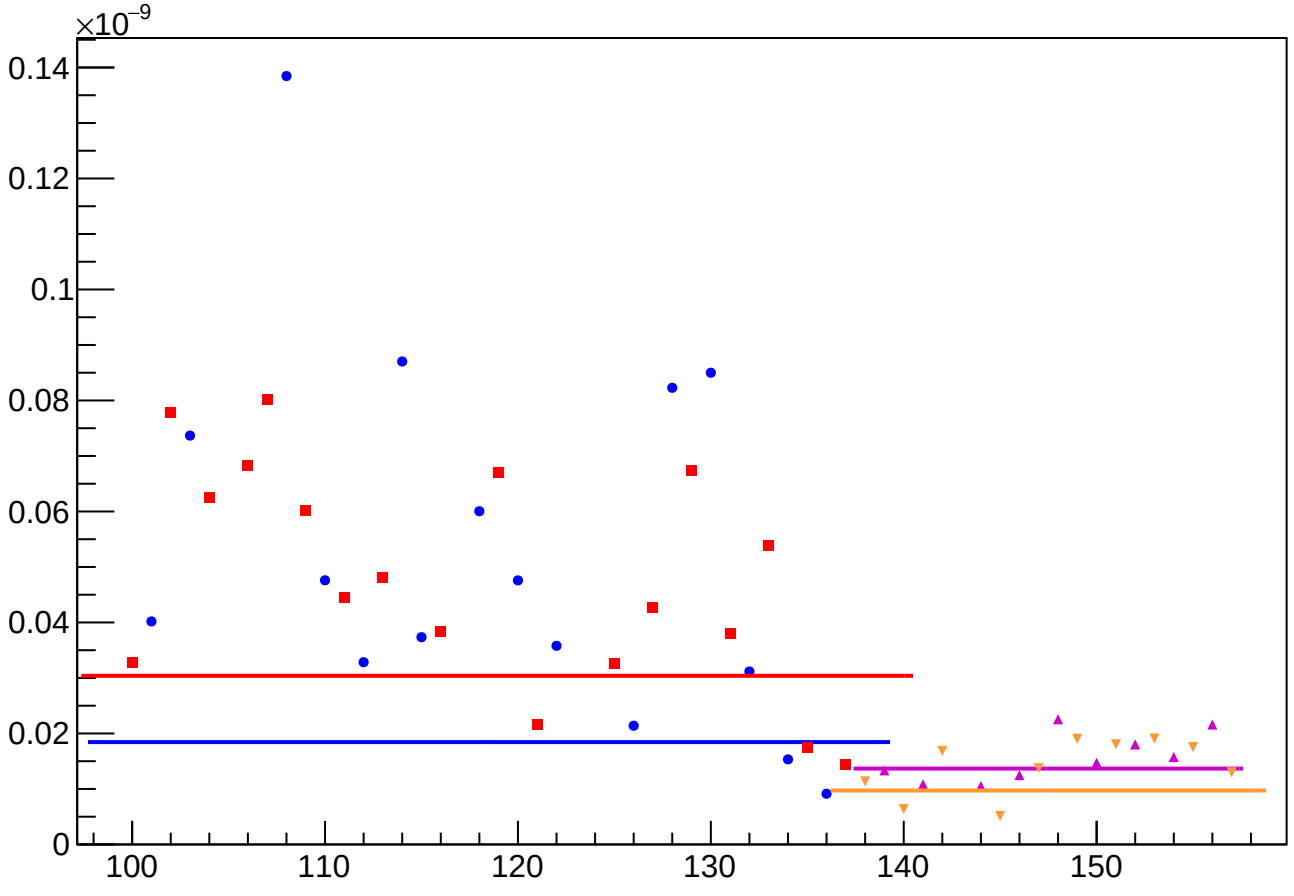
Left In: 38.106+/-0.010 χ^2/NDF:72995.6/8

+ sign 40.697+/-0.008 χ^2/NDF: 1575478.7/25

All: 39.047+/-0.006 χ^2/NDF: 3570167.1/52

- sign 37.545+/-0.008 χ^2/NDF: 1916770.8/26


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:6.8/8
+ sign 0.000+/-0.000 χ²/NDF: 27.3/25
All: -0.000+/-0.000 χ²/NDF: 52.8/52
- sign -0.000+/-0.000 χ²/NDF: 25.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1815723.1/9

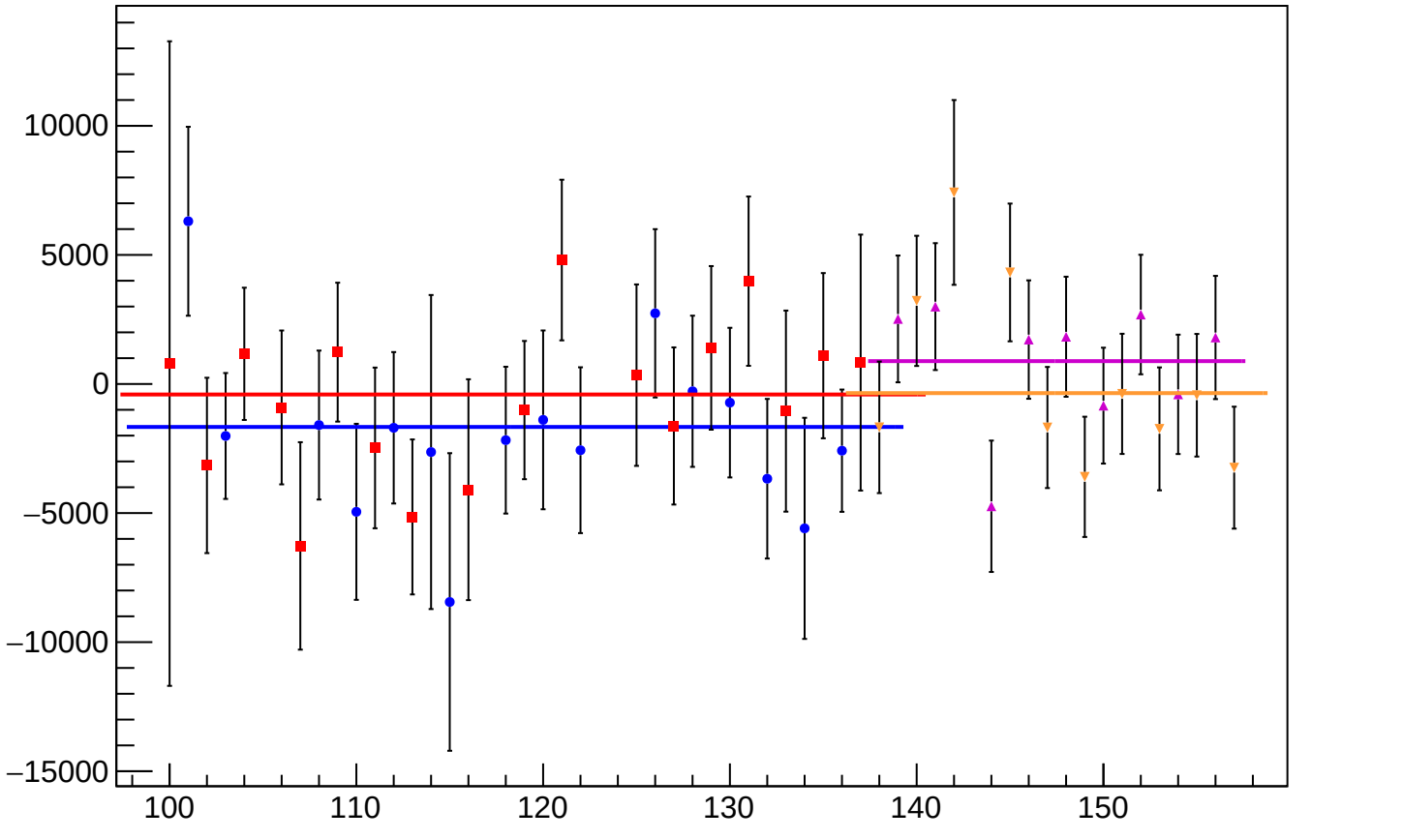
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:600077.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 6781145.9/25

All: 0.000+/-0.000 χ^2/NDF: 12293924.0/52

- sign 0.000+/-0.000 χ^2/NDF: 4765303.8/26



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.842+/-787.266 χ^2/NDF:14.2/9

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

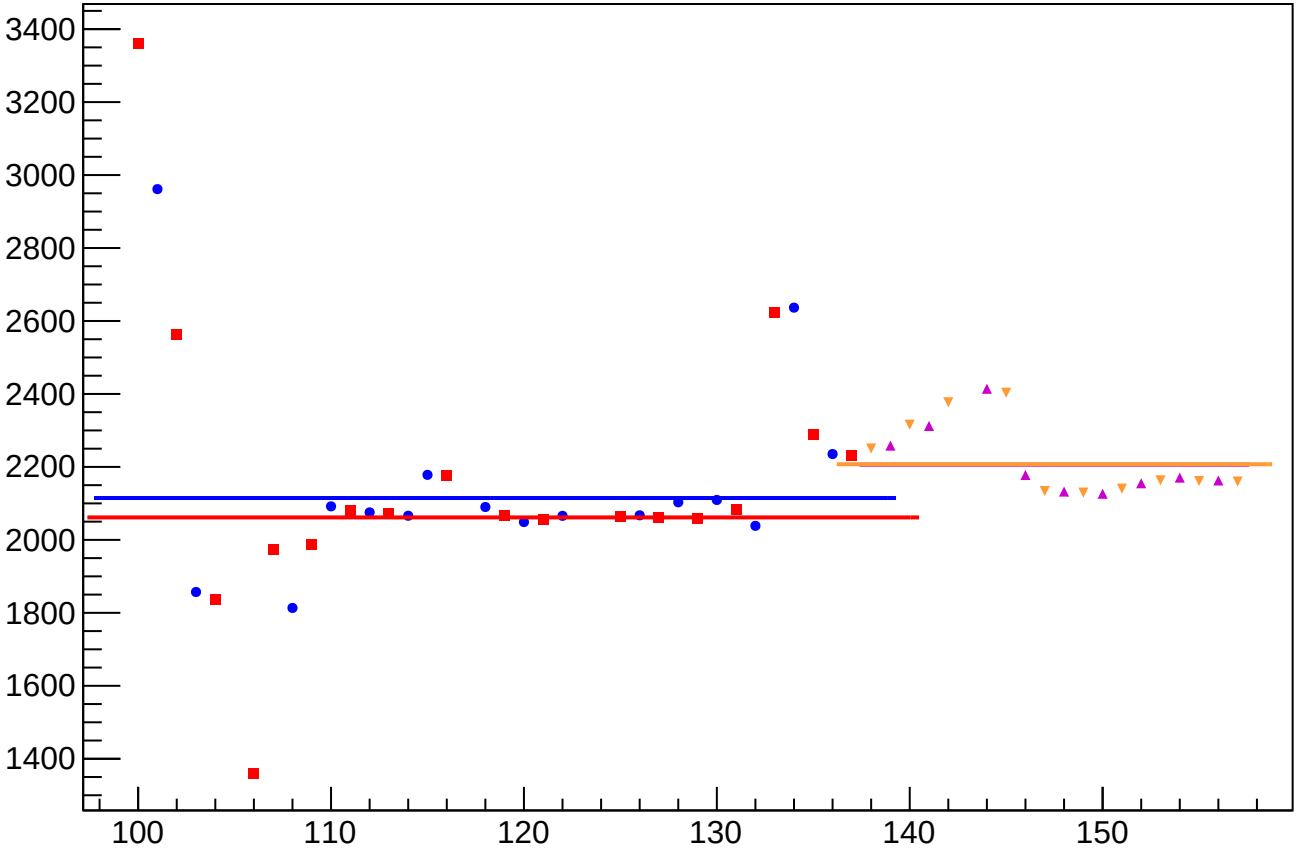
Left In: 885.747+/-788.424 χ^2/NDF:8.0/8

+ sign -1005.010+/-558.405 χ^2/NDF: 26.3/25

All: -381.953+/-393.097 χ^2/NDF: 50.9/52

- sign 230.148+/-553.474 χ^2/NDF: 22.1/26

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

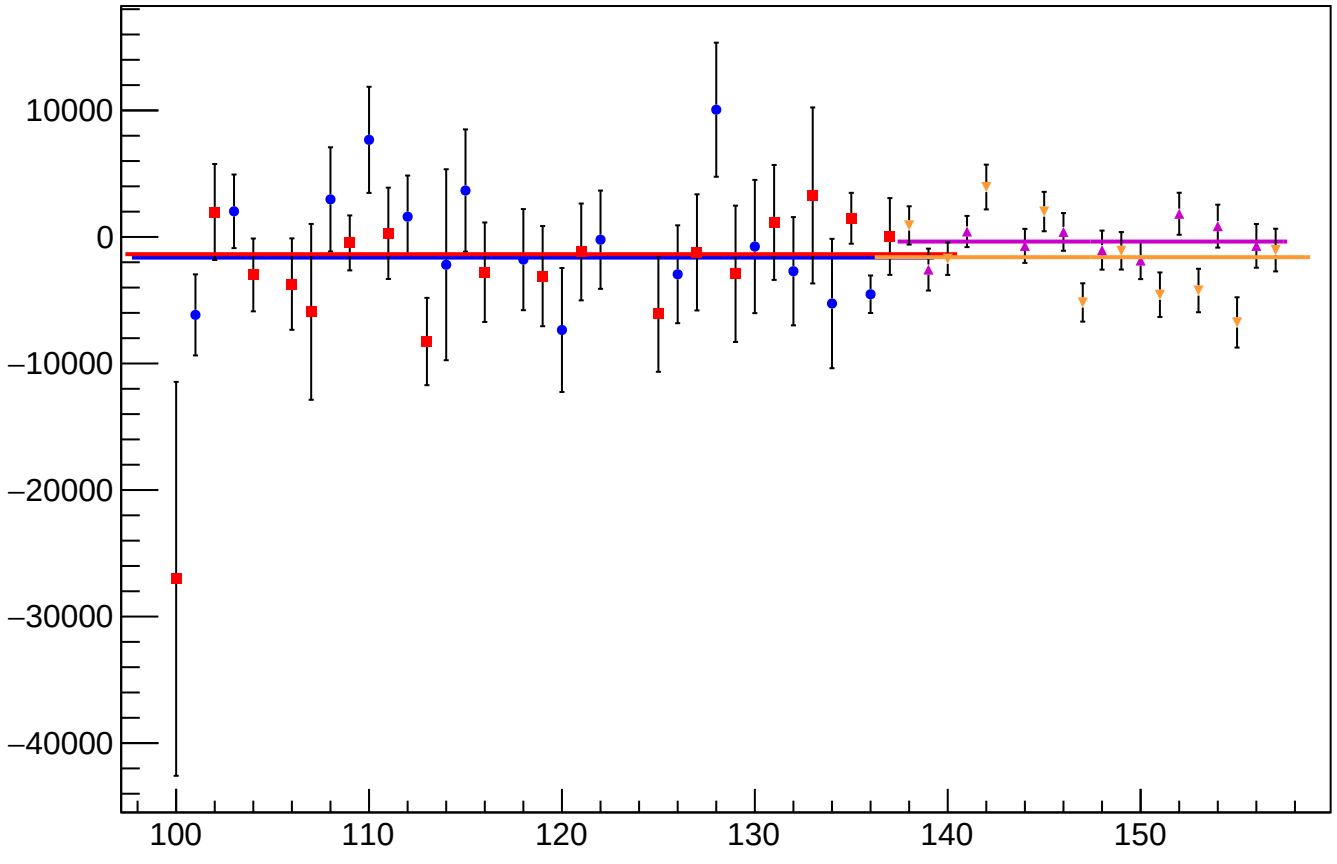
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2206.083+/-0.558 χ^2/NDF:24944.4/8

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.5/25

All: 2146.919+/-0.278 χ^2/NDF: 542135.6/52

- sign 2132.781+/-0.391 χ^2/NDF: 308215.8/26



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1598.667+/-504.258 χ^2/NDF:35.7/9

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

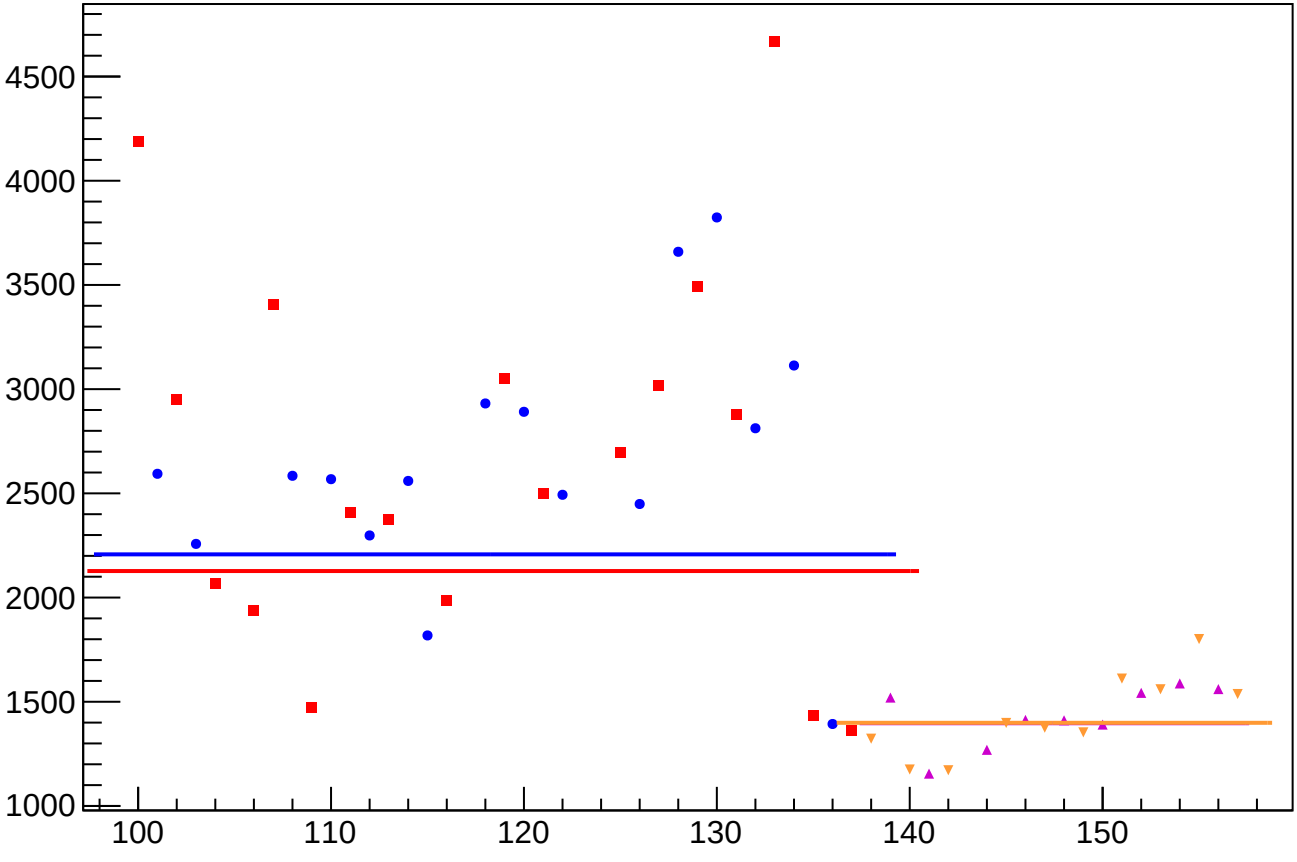
Left In: -364.383+/-502.799 χ^2/NDF:6.1/8

+ sign -1606.771+/-435.308 χ^2/NDF: 58.5/25

All: -1112.703+/-306.445 χ^2/NDF: 81.7/52

- sign -627.298+/-431.475 χ^2/NDF: 20.6/26

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1399.019+/-0.357 χ^2/NDF:243109.5/9

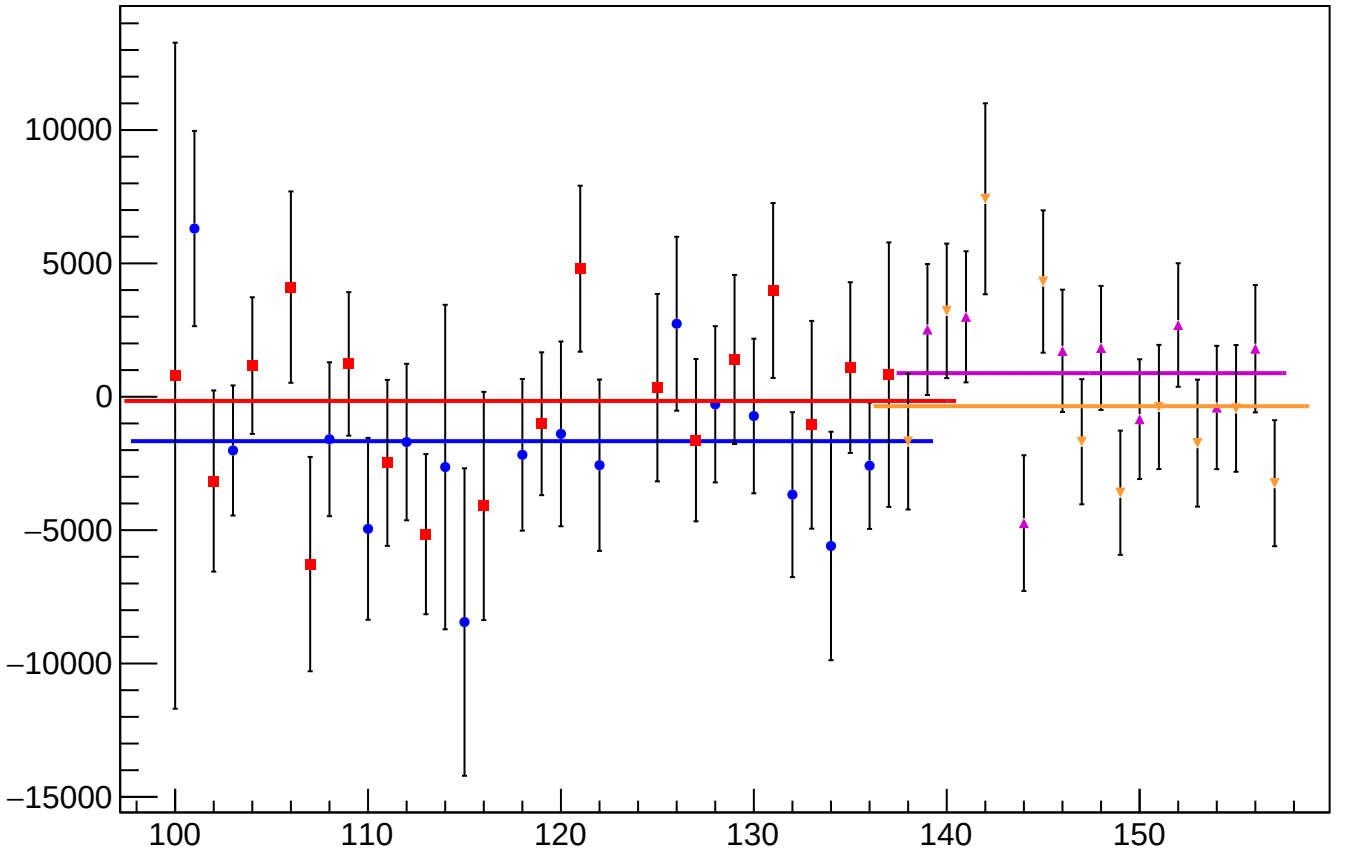
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1396.914+/-0.356 χ^2/NDF:165177.5/8

+ sign 1604.938+/-0.308 χ^2/NDF: 2801429.0/25

All: 1597.107+/-0.217 χ^2/NDF: 5538120.6/52

- sign 1589.413+/-0.305 χ^2/NDF: 2735408.5/26



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

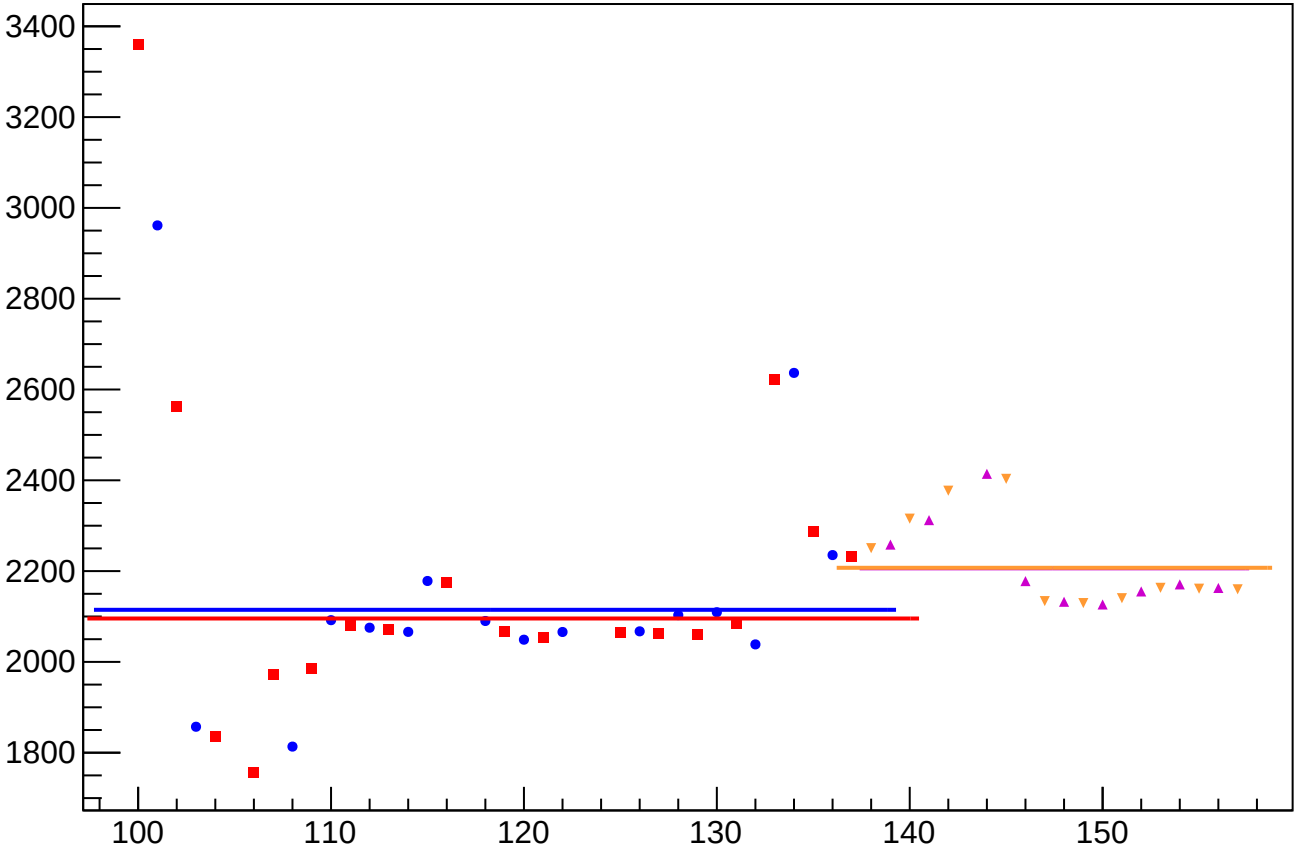
Left In: 885.687+/-788.424 χ^2/NDF:8.0/8

+ sign -1004.845+/-558.405 χ^2/NDF: 26.3/25

All: -318.528+/-394.161 χ^2/NDF: 52.4/52

- sign 363.009+/-556.457 χ^2/NDF: 23.1/26

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

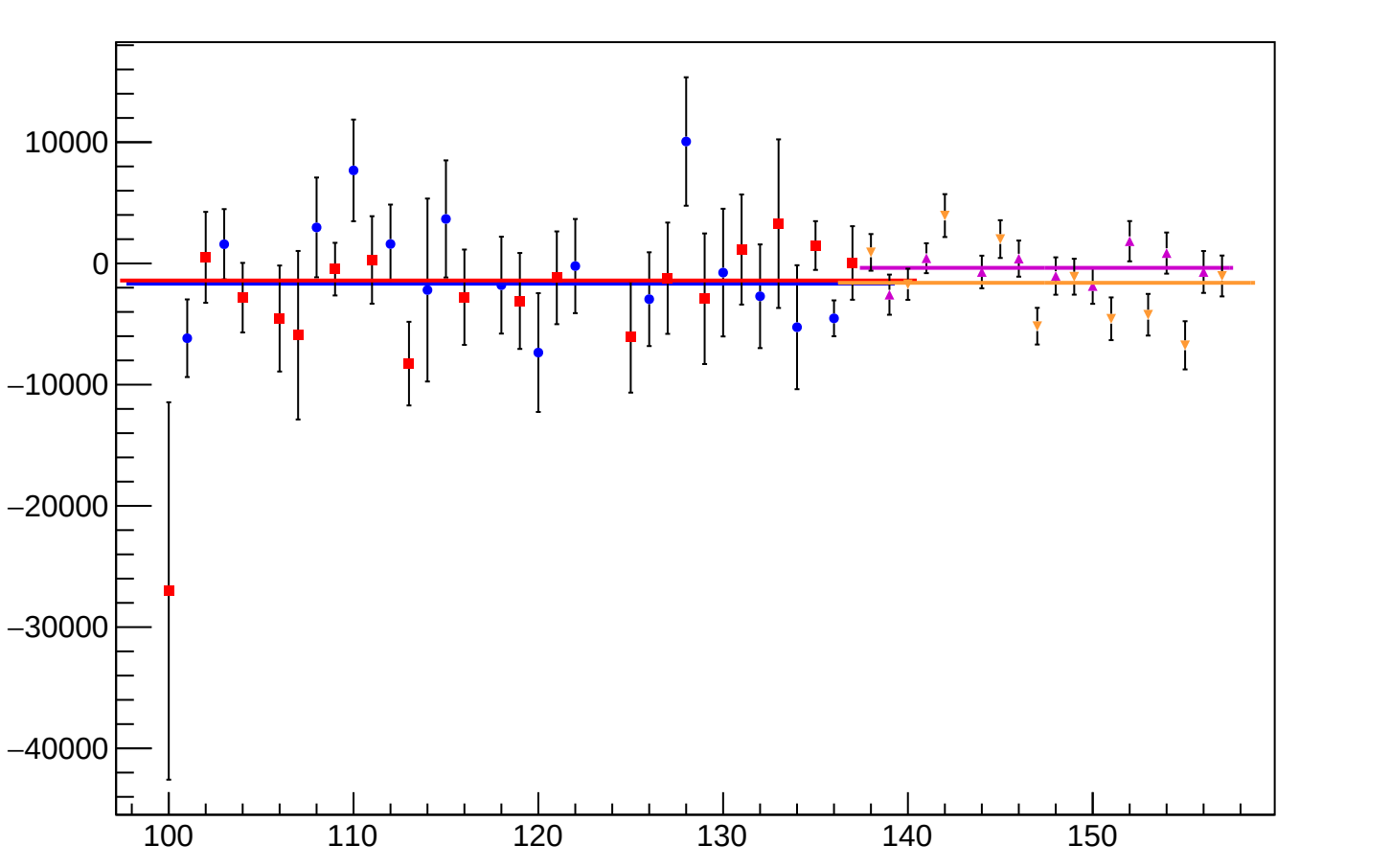
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2206.083+/-0.558 χ^2/NDF:24944.4/8

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.9/25

All: 2155.952+/-0.279 χ^2/NDF: 425670.0/52

- sign 2150.633+/-0.393 χ^2/NDF: 194016.3/26



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1598.629+/-504.261 χ^2/NDF:35.7/9

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

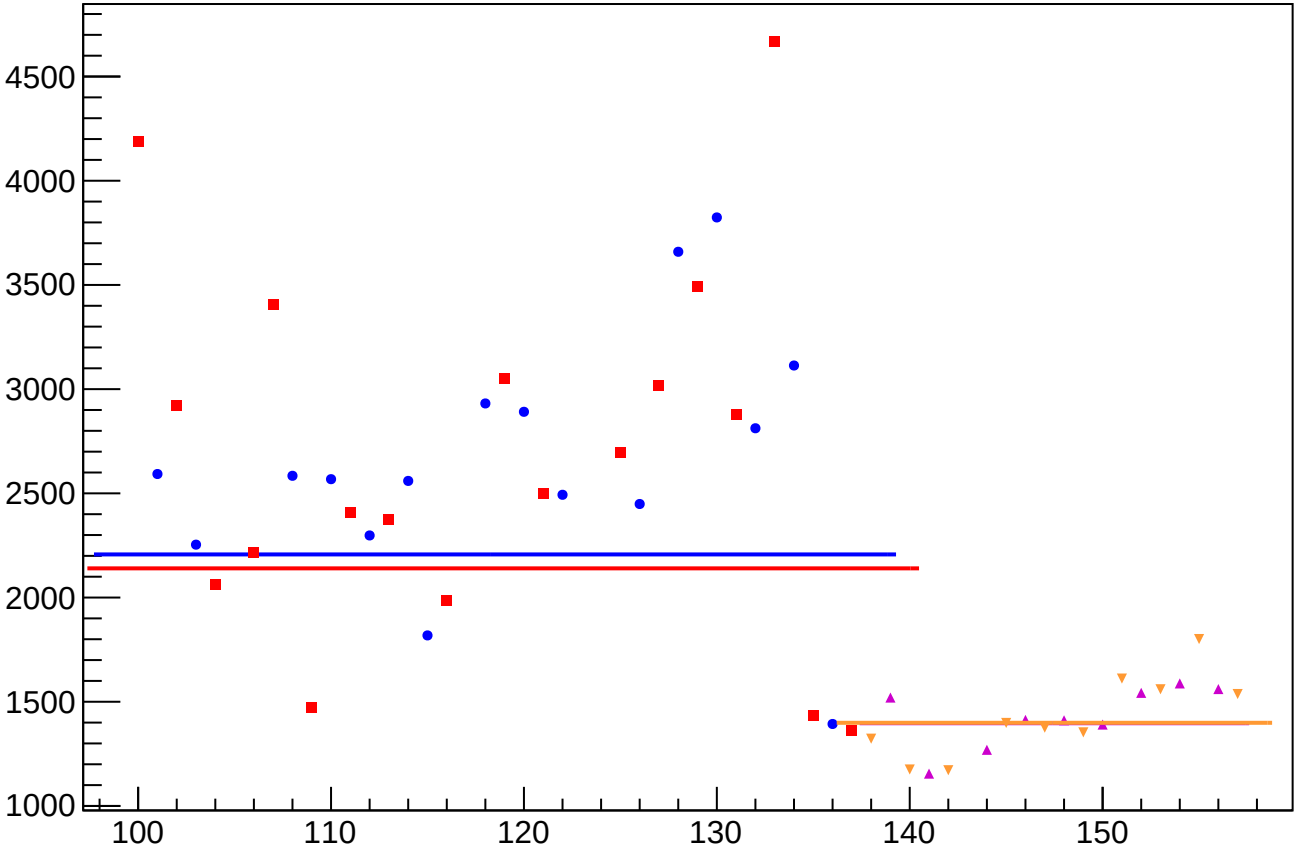
Left In: -364.342+/-502.799 χ^2/NDF:6.1/8

+ sign -1616.435+/-435.272 χ^2/NDF: 58.2/25

All: -1123.059+/-306.752 χ^2/NDF: 80.9/52

- sign -636.246+/-432.367 χ^2/NDF: 20.2/26

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

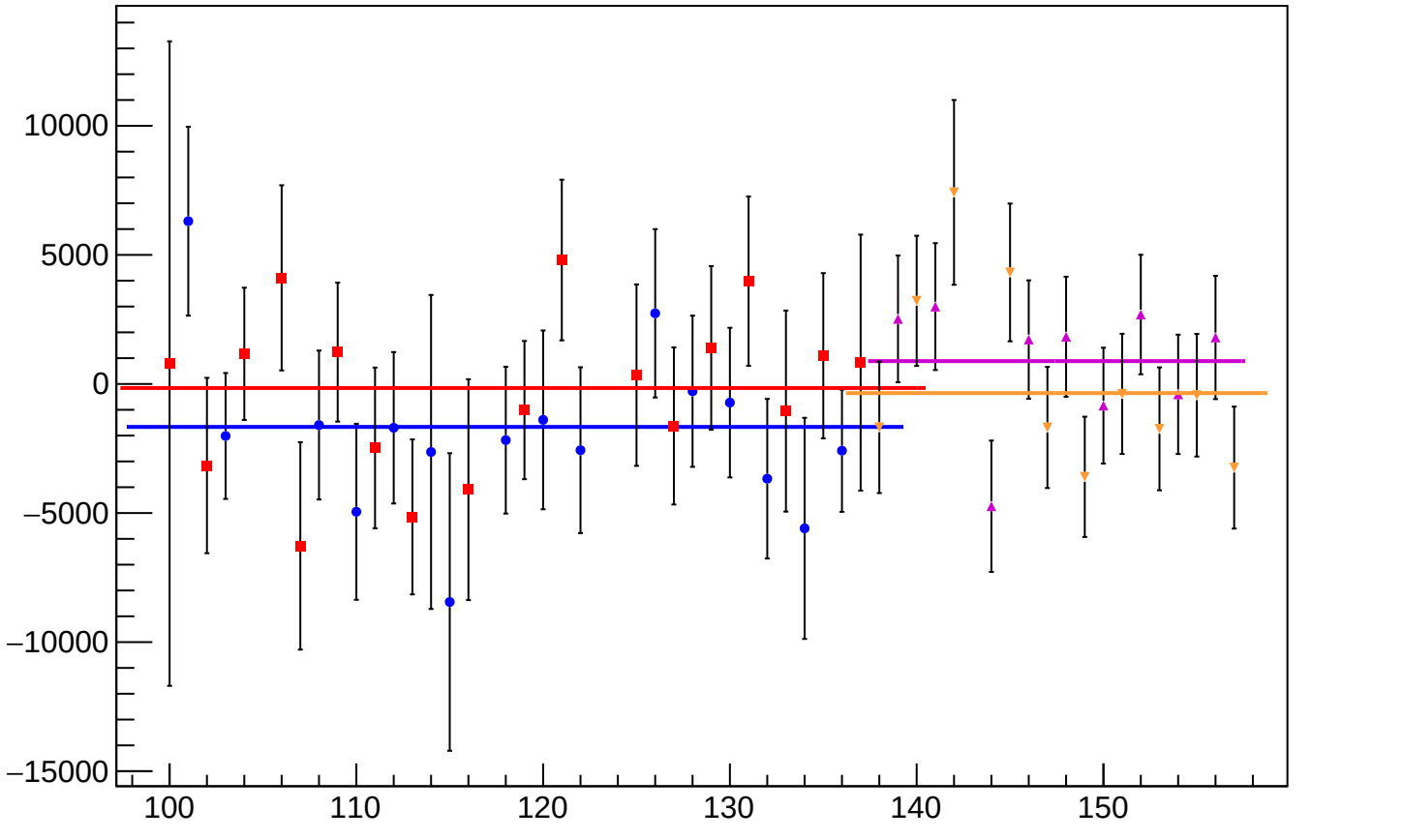
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1396.913+/-0.356 χ^2/NDF:165216.1/8

+ sign 1604.967+/-0.308 χ^2/NDF: 2800657.8/25

All: 1597.700+/-0.217 χ^2/NDF: 5553652.9/52

- sign 1590.530+/-0.306 χ^2/NDF: 2751887.7/26



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -353.588+/-787.266 χ^2/NDF:14.2/9

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

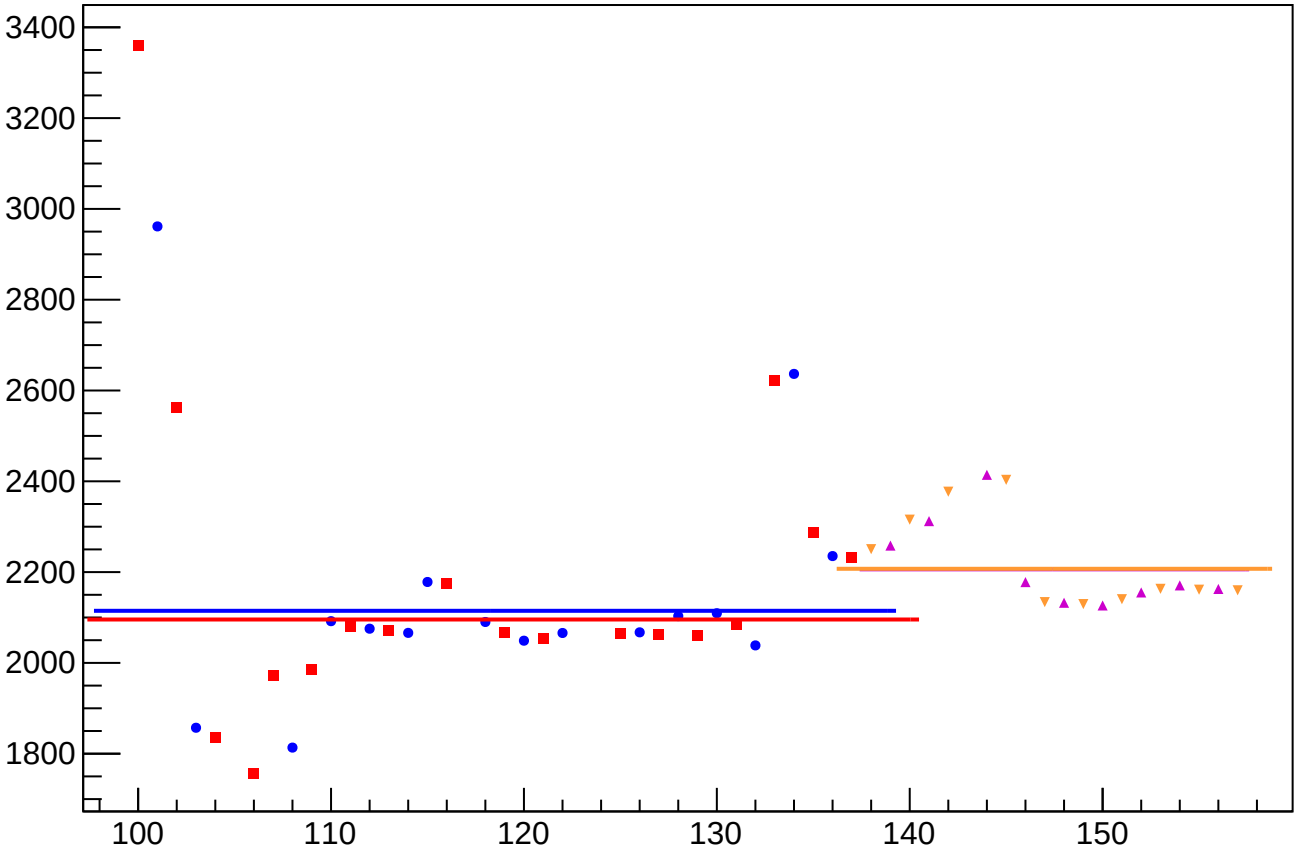
Left In: 885.687+/-788.424 χ^2/NDF:8.0/8

\+ sign -1004.845+/-558.405 χ^2/NDF: 26.3/25

All: -318.528+/-394.161 χ^2/NDF: 52.4/52

\- sign 363.009+/-556.457 χ^2/NDF: 23.1/26

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2207.290+/-0.557 χ^2/NDF:27636.0/9

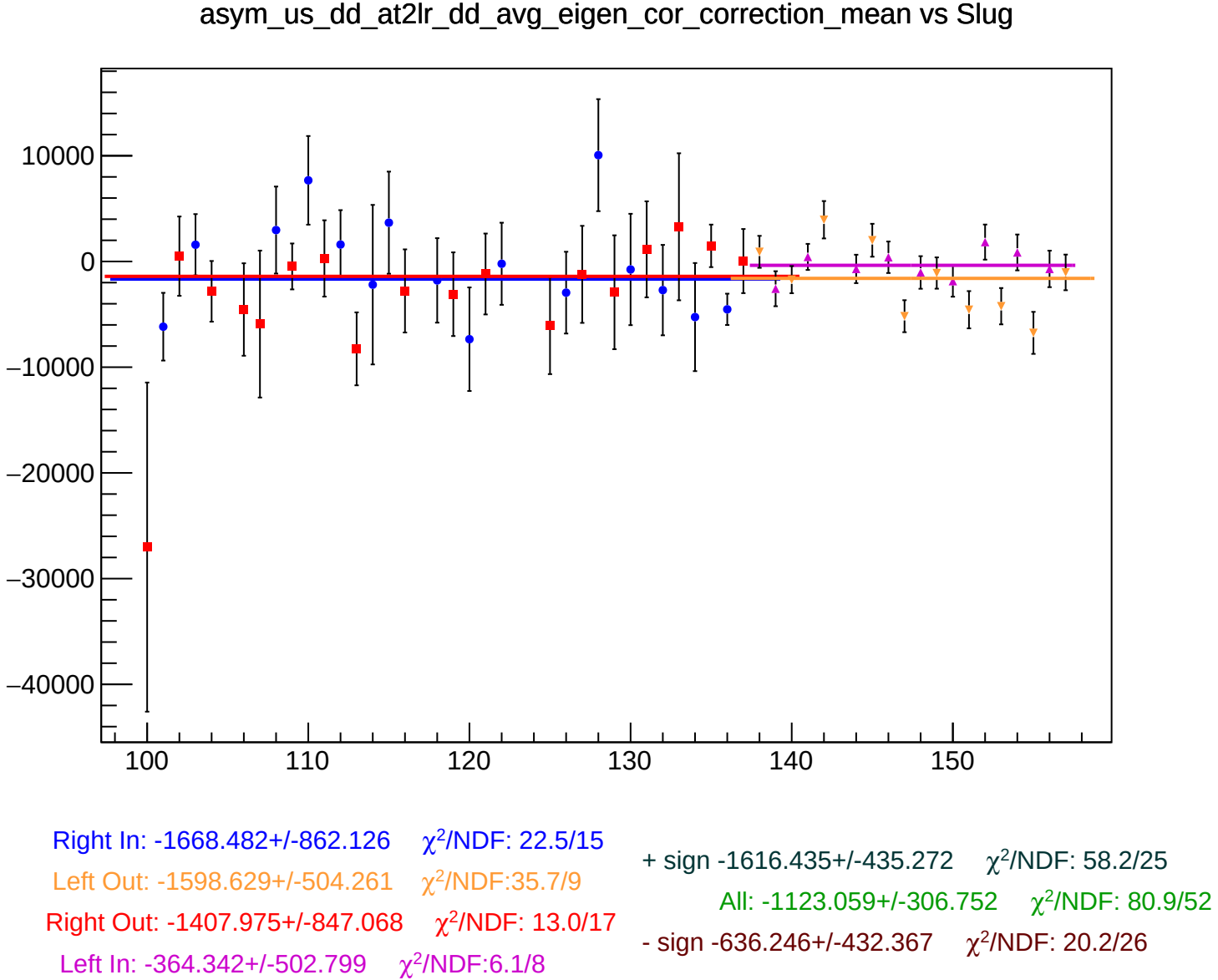
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

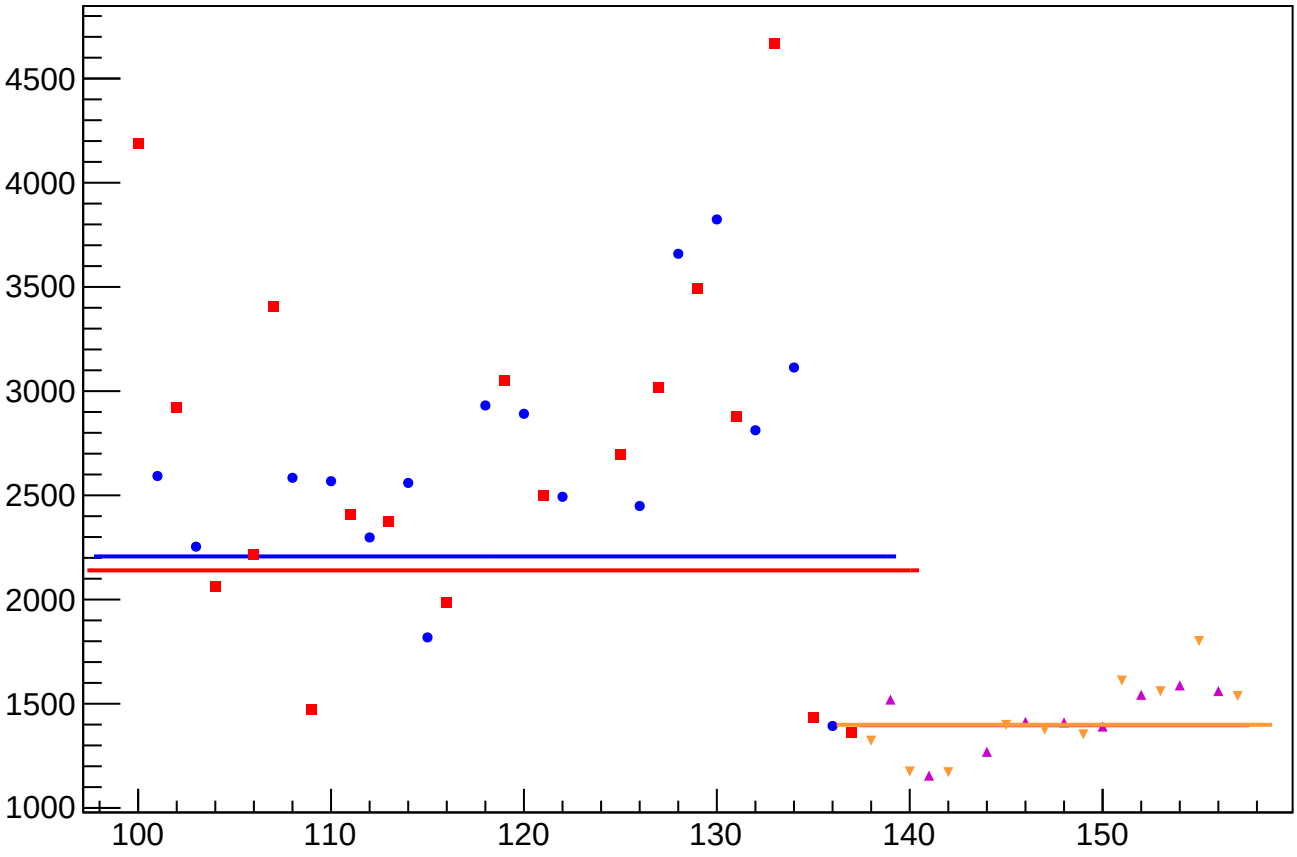
Left In: 2206.083+/-0.558 χ^2/NDF:24944.4/8

+ sign 2161.309+/-0.395 χ^2/NDF: 231286.9/25

All: 2155.952+/-0.279 χ^2/NDF: 425670.0/52

- sign 2150.633+/-0.393 χ^2/NDF: 194016.3/26


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1598.629+/-504.261 χ²/NDF:35.7/9
Right Out: -1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: -364.342+/-502.799 χ²/NDF:6.1/8
+ sign -1616.435+/-435.272 χ²/NDF: 58.2/25
All: -1123.059+/-306.752 χ²/NDF: 80.9/52
- sign -636.246+/-432.367 χ²/NDF: 20.2/26



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1399.031+/-0.357 χ^2/NDF:243053.2/9

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

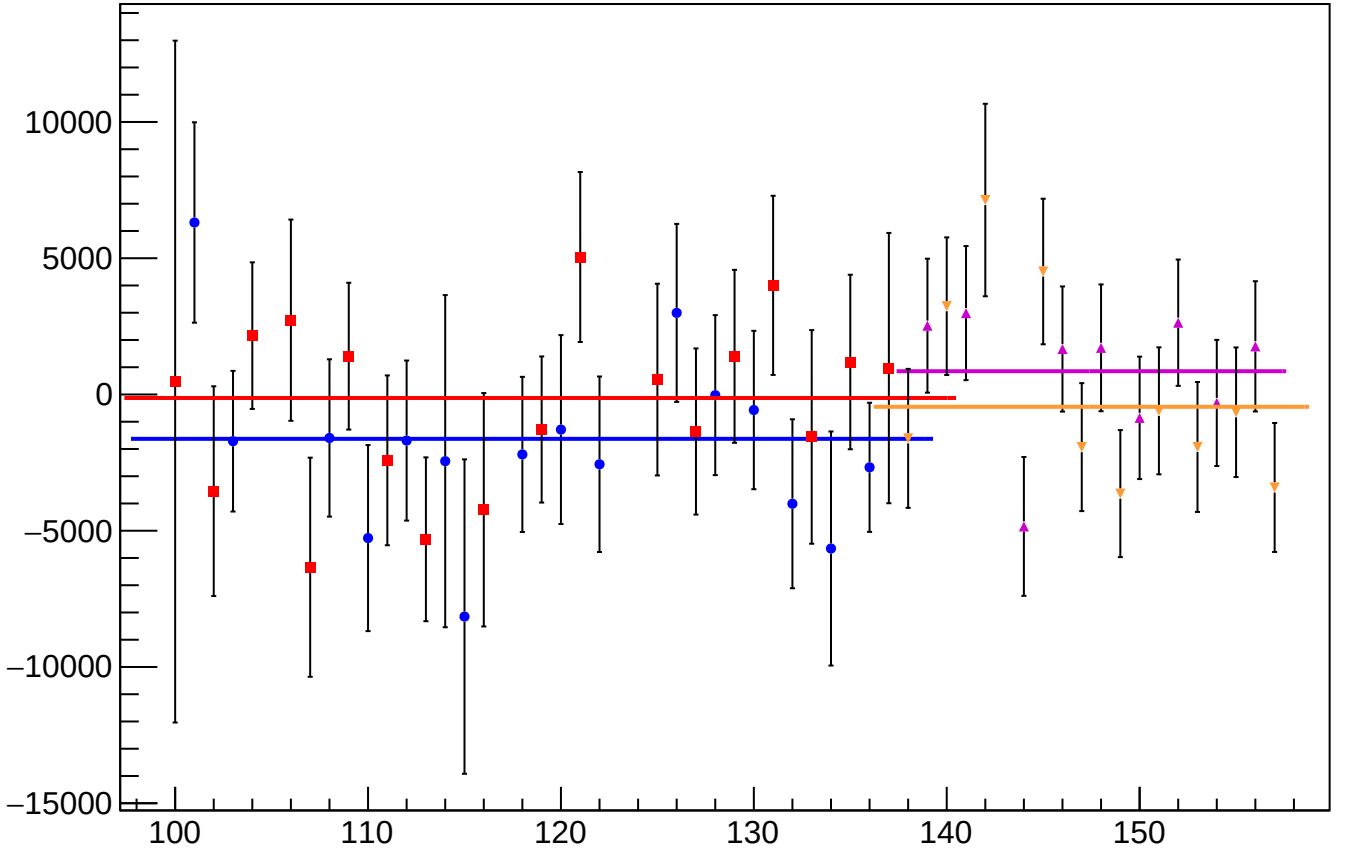
Left In: 1396.913+/-0.356 χ^2/NDF:165216.1/8

+ sign 1604.967+/-0.308 χ^2/NDF: 2800657.8/25

All: 1597.700+/-0.217 χ^2/NDF: 5553652.9/52

- sign 1590.530+/-0.306 χ^2/NDF: 2751887.7/26

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -451.727+/-787.644 χ^2/NDF:14.6/9

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

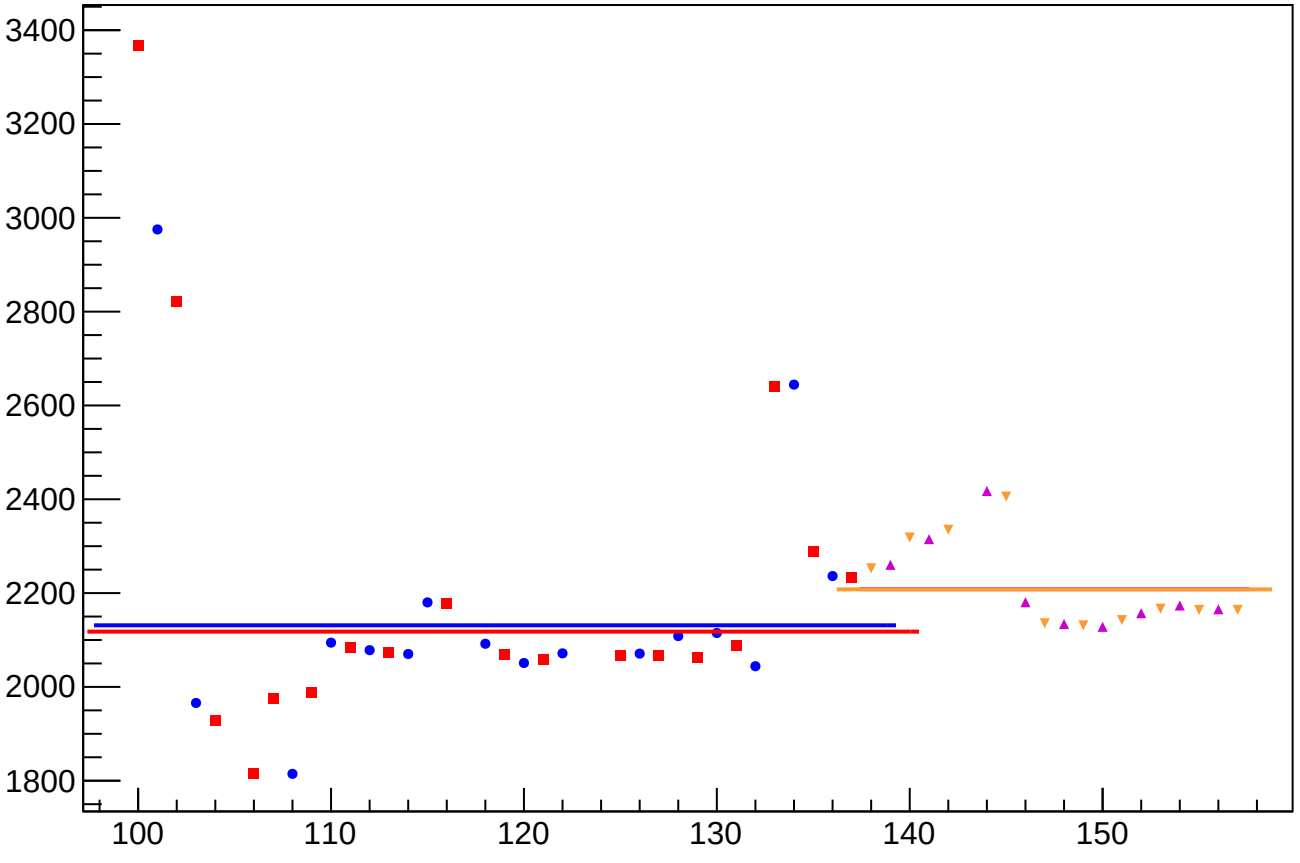
Left In: 853.442+/-789.261 χ^2/NDF:8.0/8

+ sign -1032.026+/-560.562 χ^2/NDF: 27.1/25

All: -332.449+/-396.328 χ^2/NDF: 53.5/52

- sign 366.782+/-560.424 χ^2/NDF: 23.4/26

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.0/9

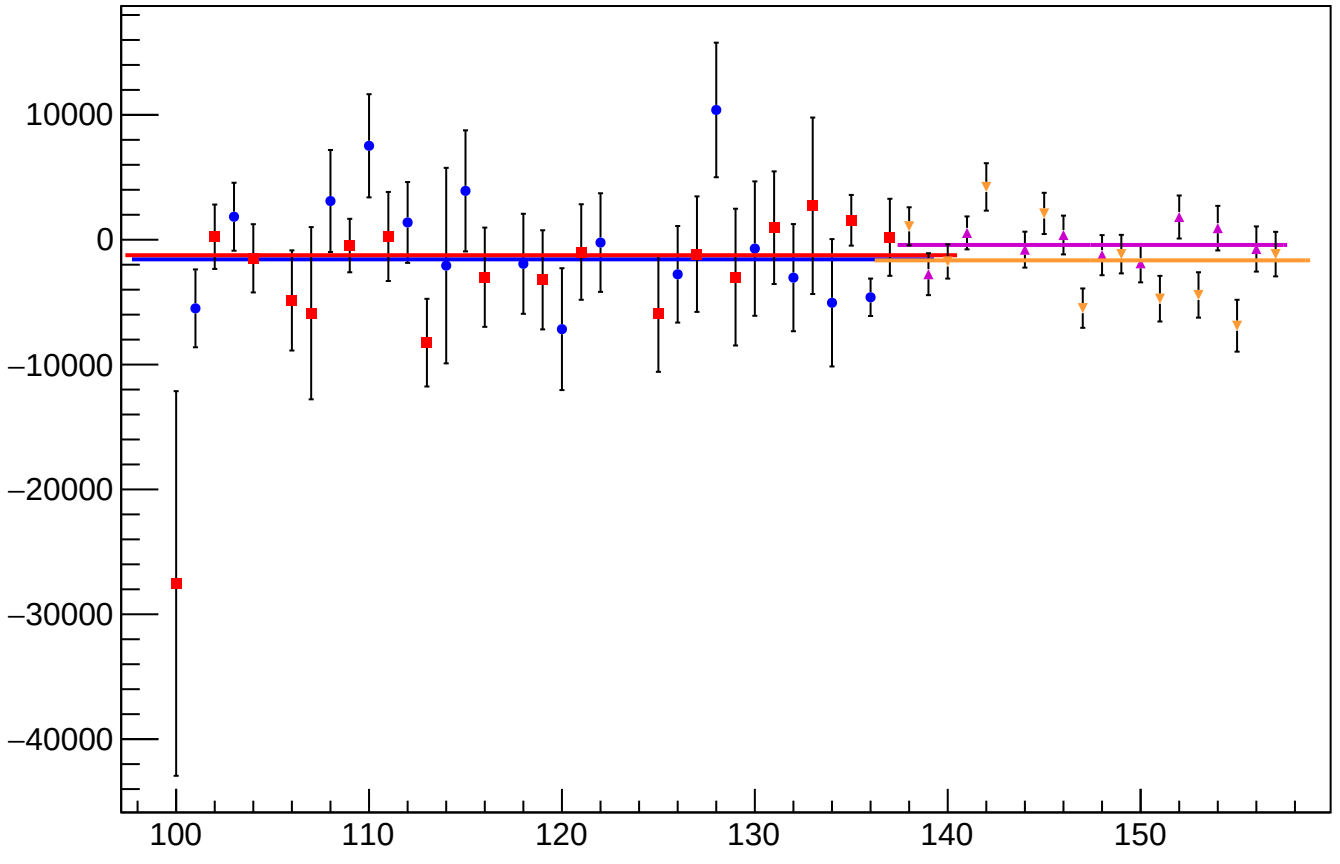
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2208.407+/-0.558 χ^2/NDF:25081.6/8

\+ sign 2170.114+/-0.396 χ^2/NDF: 210901.3/25

All: 2166.814+/-0.280 χ^2/NDF: 412793.2/52

\- sign 2163.516+/-0.396 χ^2/NDF: 201753.4/26



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1652.930+/-528.808 χ^2/NDF:35.6/9

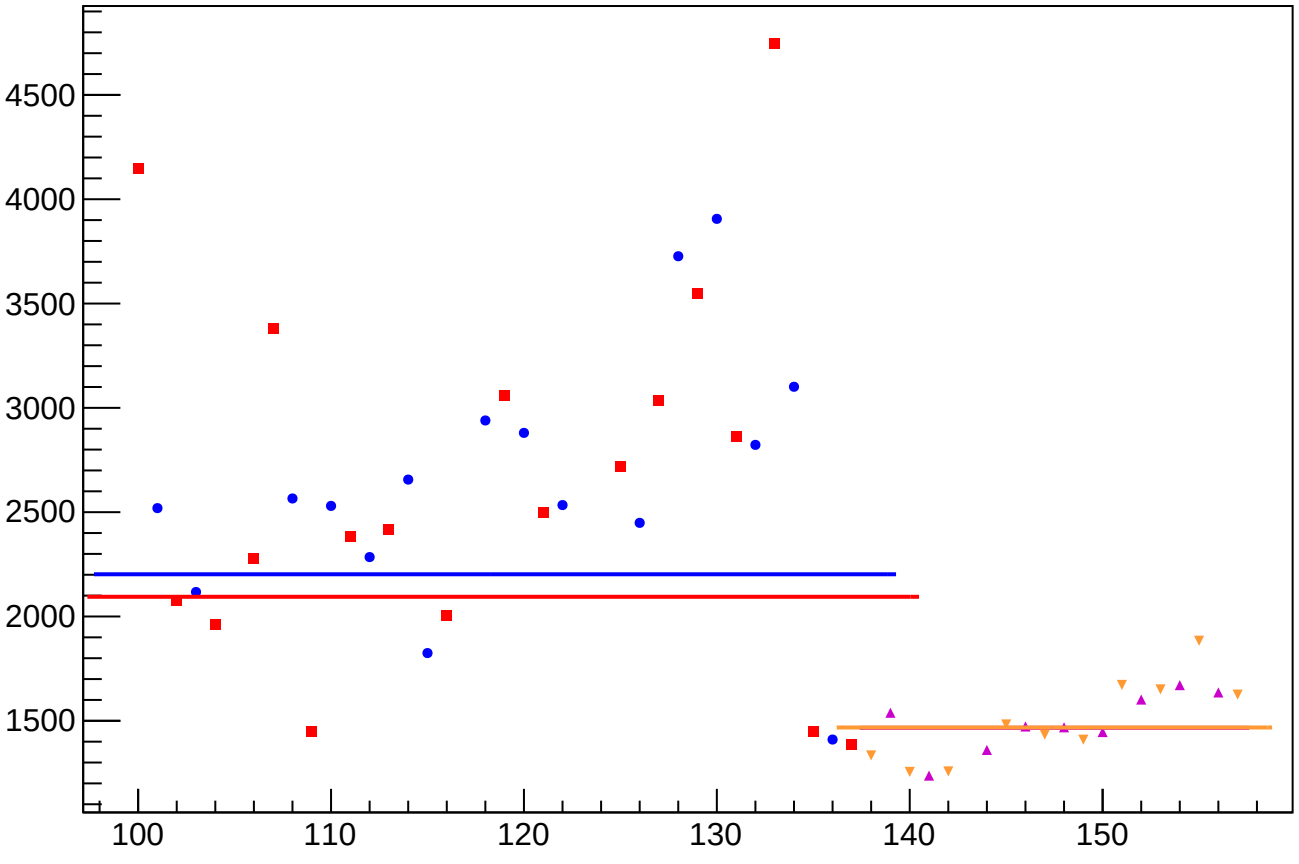
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -418.436+/-527.104 χ^2/NDF:6.3/8

+ sign -1630.462+/-450.427 χ^2/NDF: 58.2/25

All: -1137.074+/-315.973 χ^2/NDF: 80.6/52

- sign -659.040+/-443.363 χ^2/NDF: 20.1/26



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1467.942+/-0.374 χ^2/NDF:232891.6/9

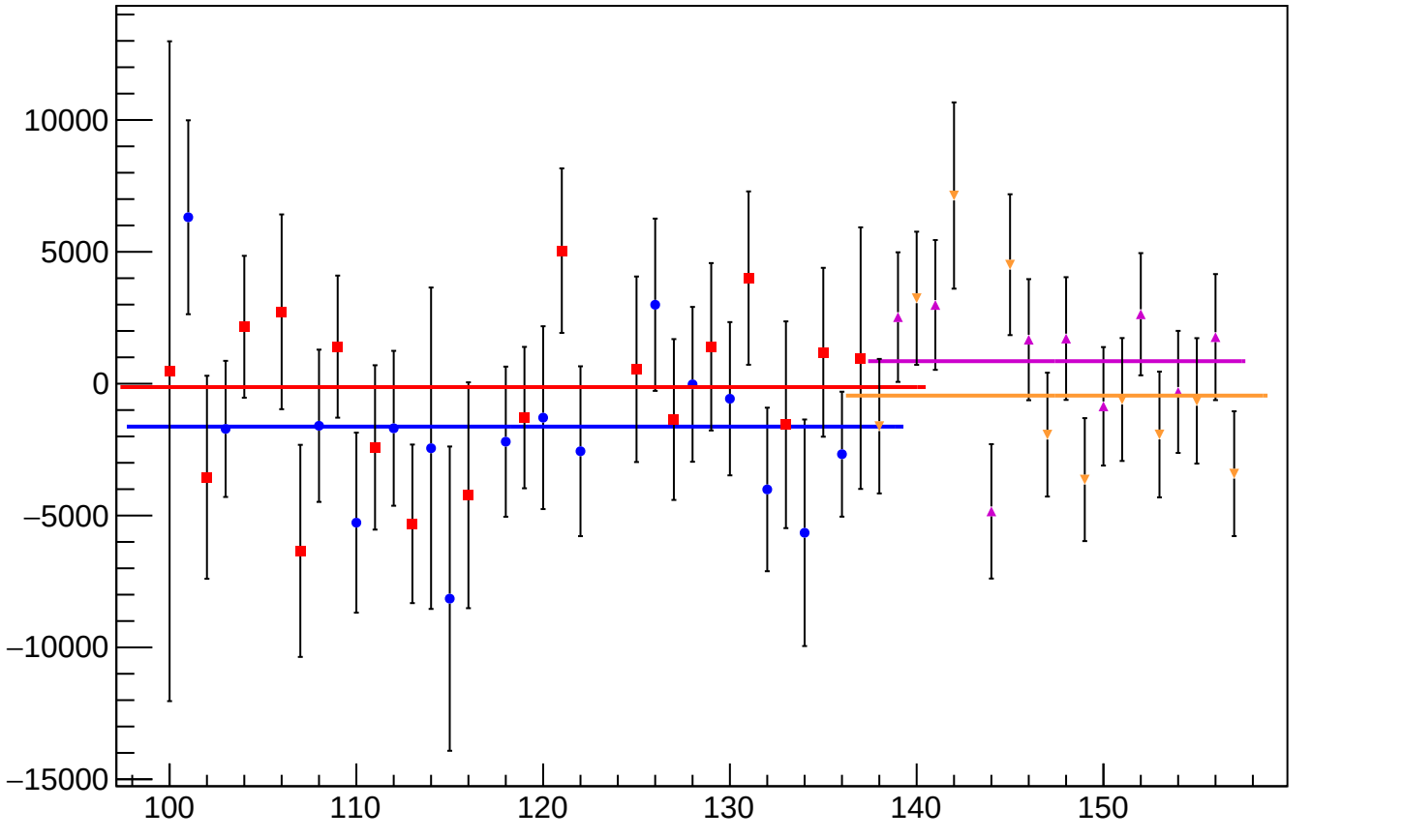
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1466.276+/-0.373 χ^2/NDF:131399.1/8

+ sign 1669.526+/-0.319 χ^2/NDF: 2514727.3/25

All: 1659.617+/-0.223 χ^2/NDF: 4852551.4/52

- sign 1650.017+/-0.314 χ^2/NDF: 2335918.4/26



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -451.723+/-787.644 χ^2/NDF:14.6/9

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

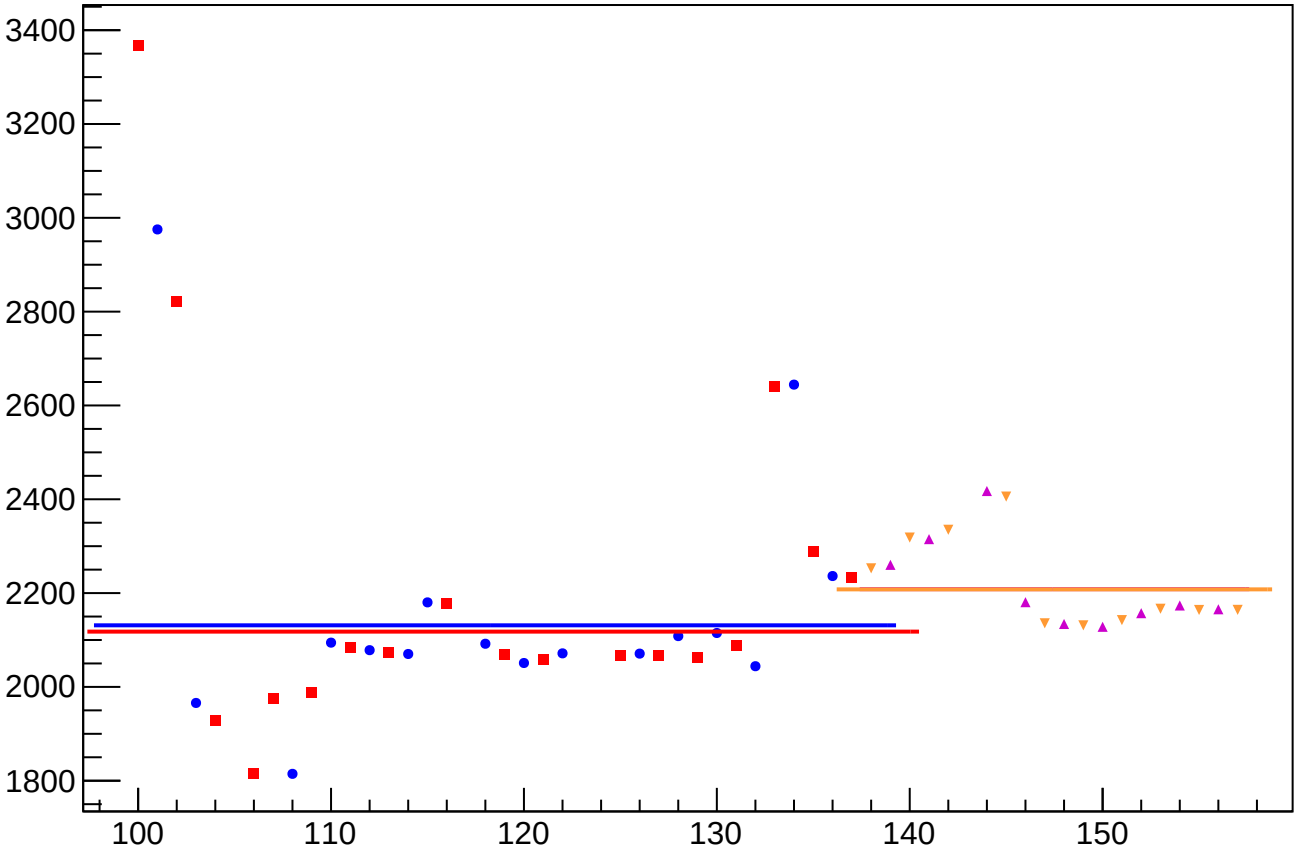
Left In: 853.436+/-789.261 χ^2/NDF:8.0/8

+ sign -1032.025+/-560.562 χ^2/NDF: 27.1/25

All: -332.449+/-396.328 χ^2/NDF: 53.5/52

- sign 366.782+/-560.424 χ^2/NDF: 23.4/26

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2207.932+/-0.557 χ^2/NDF:25615.1/9

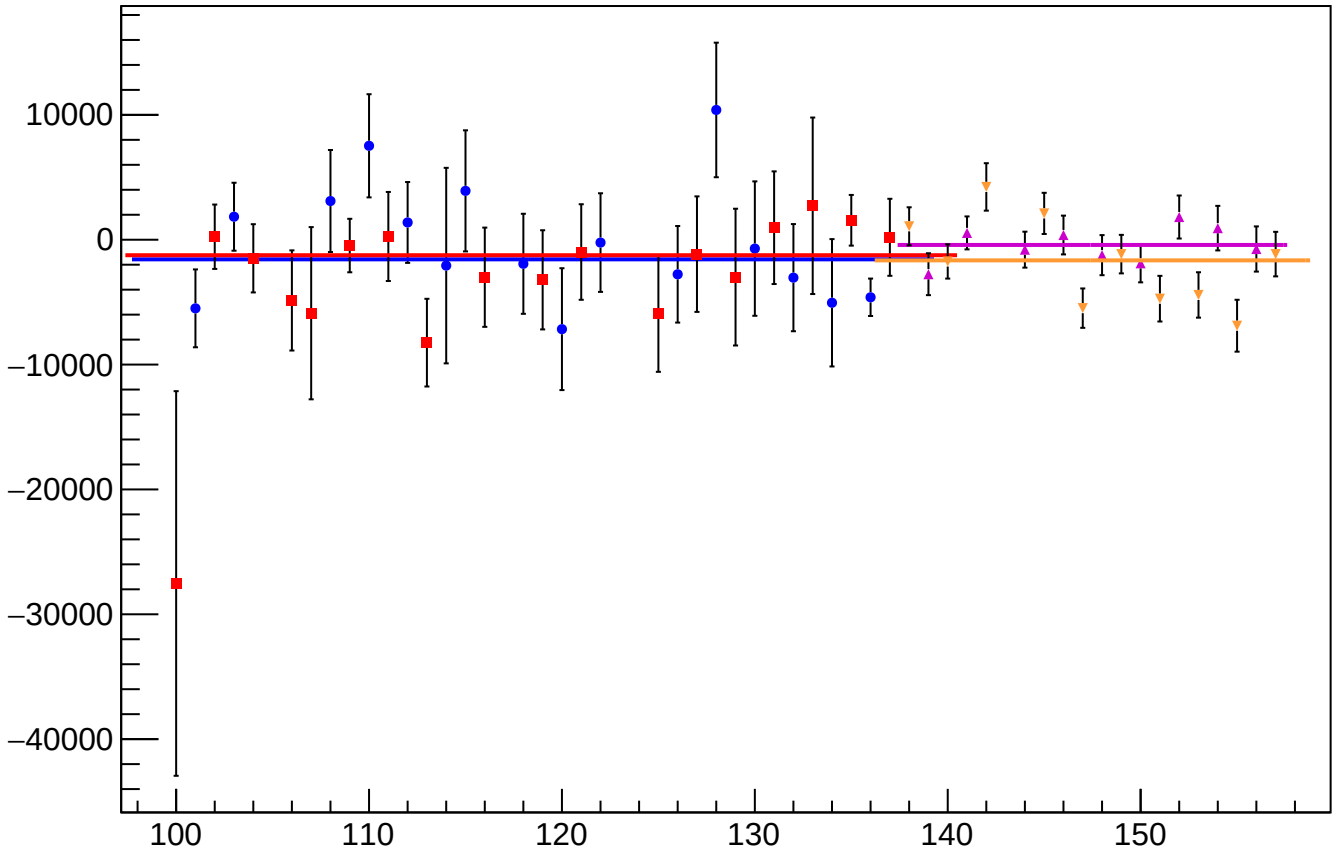
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2208.407+/-0.558 χ^2/NDF:25081.6/8

+ sign 2170.114+/-0.396 χ^2/NDF: 210901.3/25

All: 2166.814+/-0.280 χ^2/NDF: 412793.2/52

- sign 2163.516+/-0.396 χ^2/NDF: 201753.3/26



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1652.944+/-528.809 χ^2/NDF:35.6/9

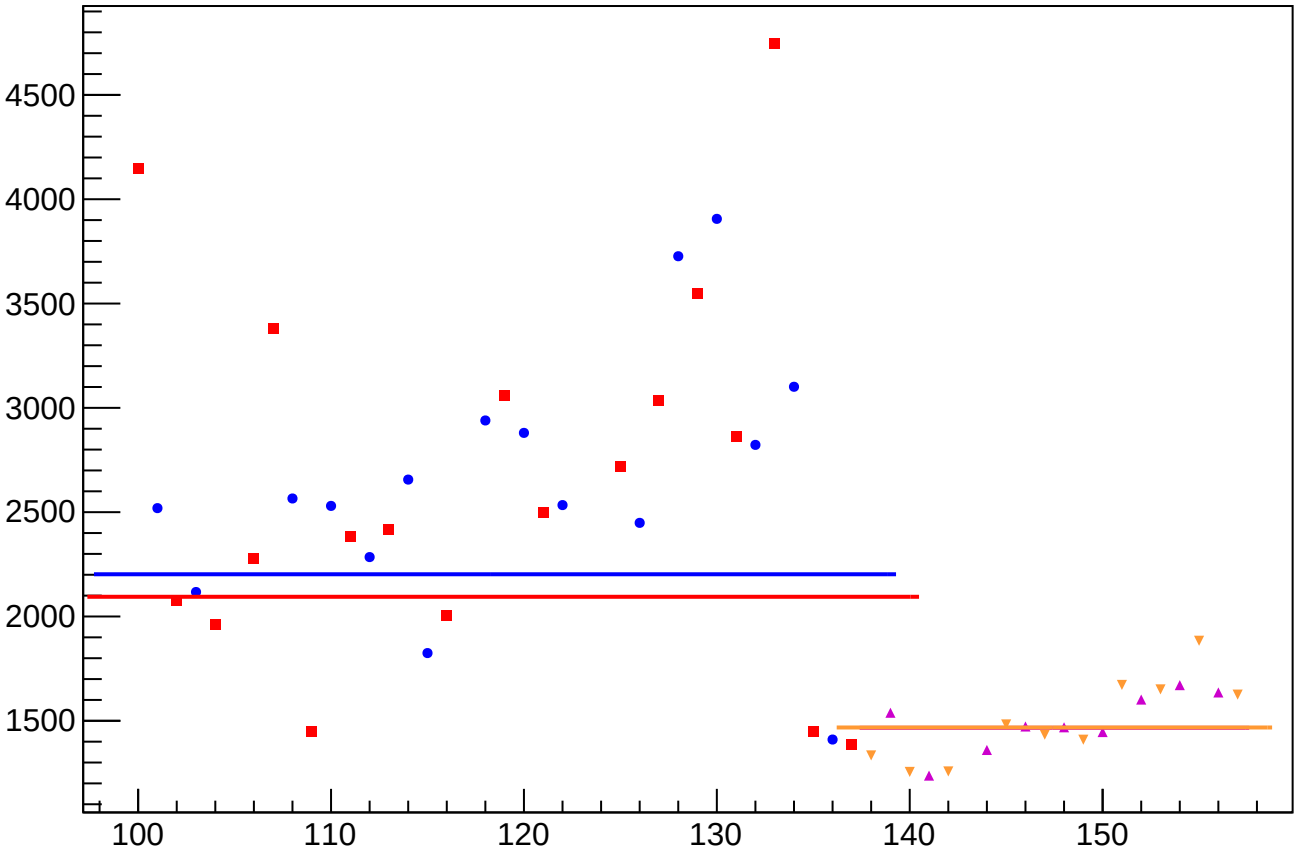
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -418.435+/-527.104 χ^2/NDF:6.3/8

+ sign -1630.468+/-450.428 χ^2/NDF: 58.2/25

All: -1137.077+/-315.973 χ^2/NDF: 80.6/52

- sign -659.043+/-443.363 χ^2/NDF: 20.1/26



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1467.947+/-0.374 χ^2/NDF:232880.0/9

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

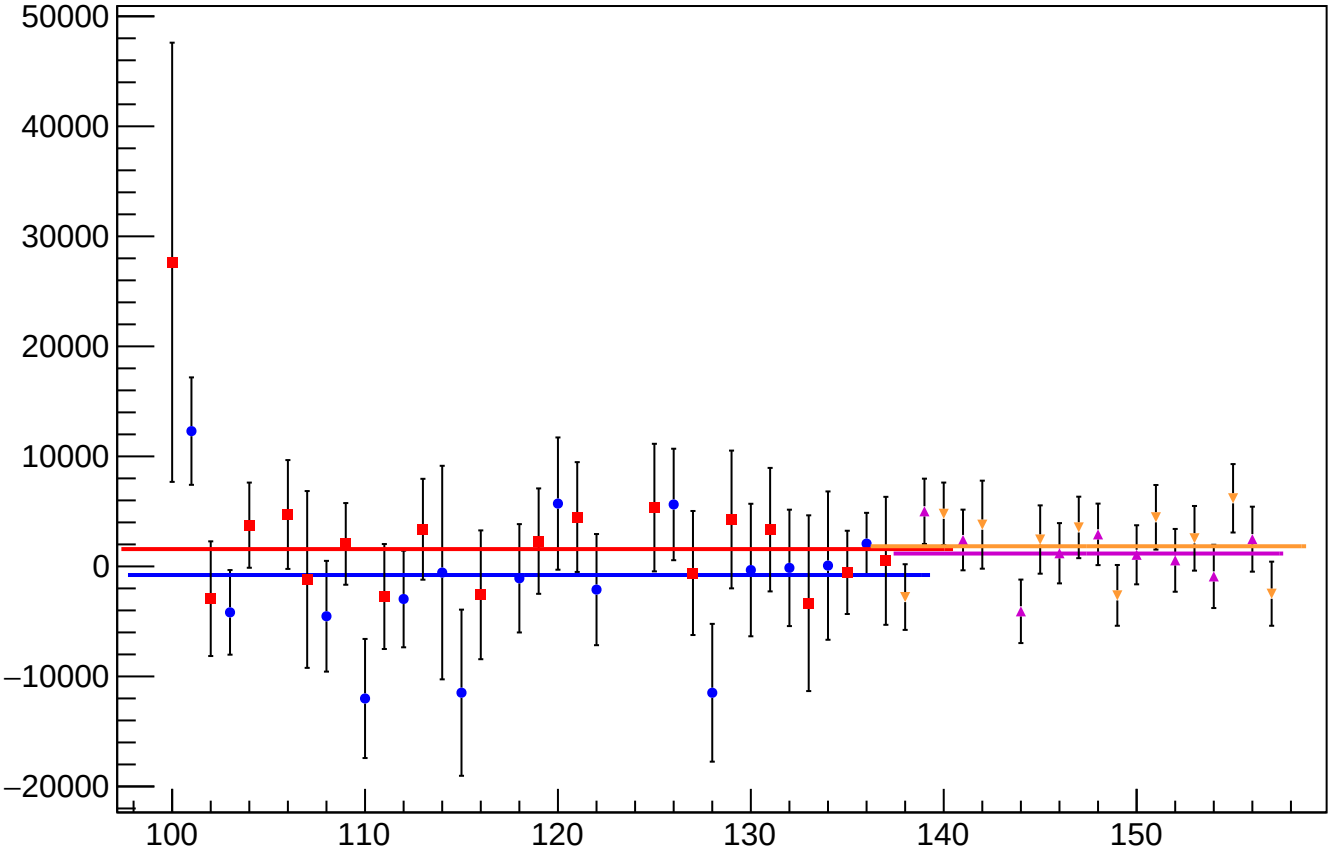
Left In: 1466.276+/-0.373 χ^2/NDF:131399.0/8

+ sign 1669.532+/-0.319 χ^2/NDF: 2514672.3/25

All: 1659.622+/-0.223 χ^2/NDF: 4852476.3/52

- sign 1650.020+/-0.314 χ^2/NDF: 2335897.7/26

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1832.045+/-947.132 χ^2/NDF:11.8/9

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

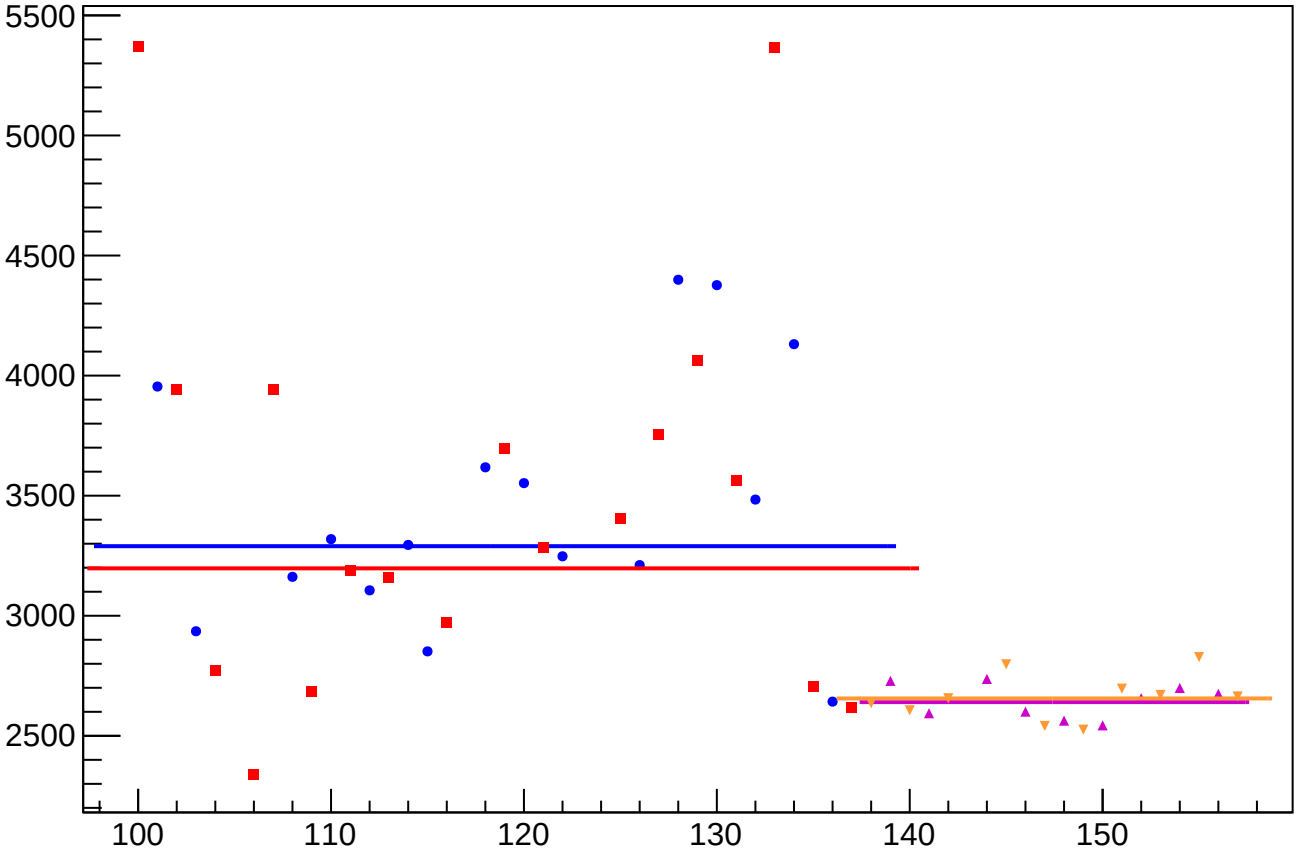
Left In: 1170.236+/-943.452 χ^2/NDF:6.3/8

+ sign 870.708+/-753.067 χ^2/NDF: 36.5/25

All: 1098.328+/-530.014 χ^2/NDF: 49.8/52

- sign 1321.749+/-746.087 χ^2/NDF: 13.1/26

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2655.620+/-0.670 χ^2/NDF:19268.9/9

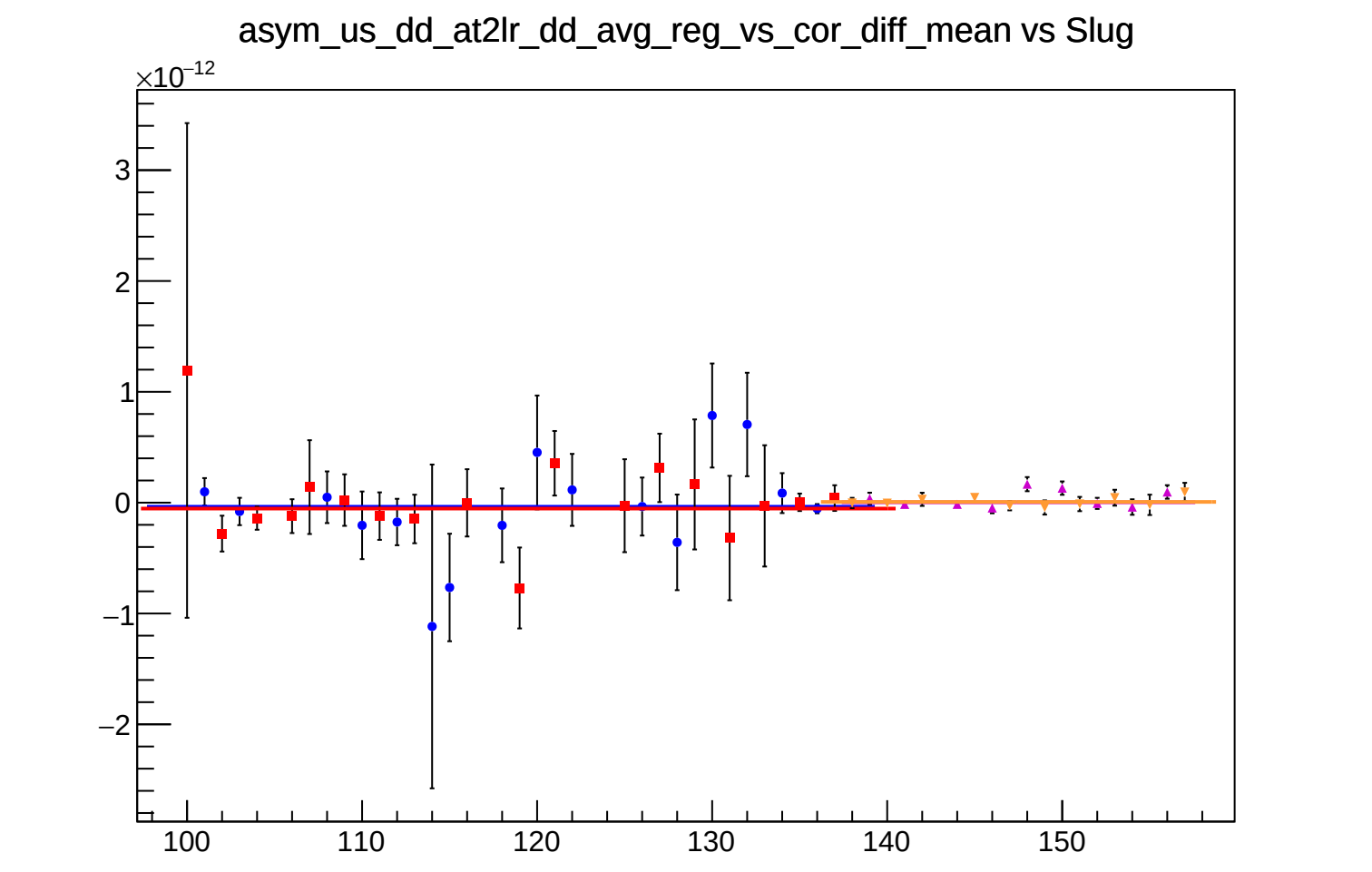
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

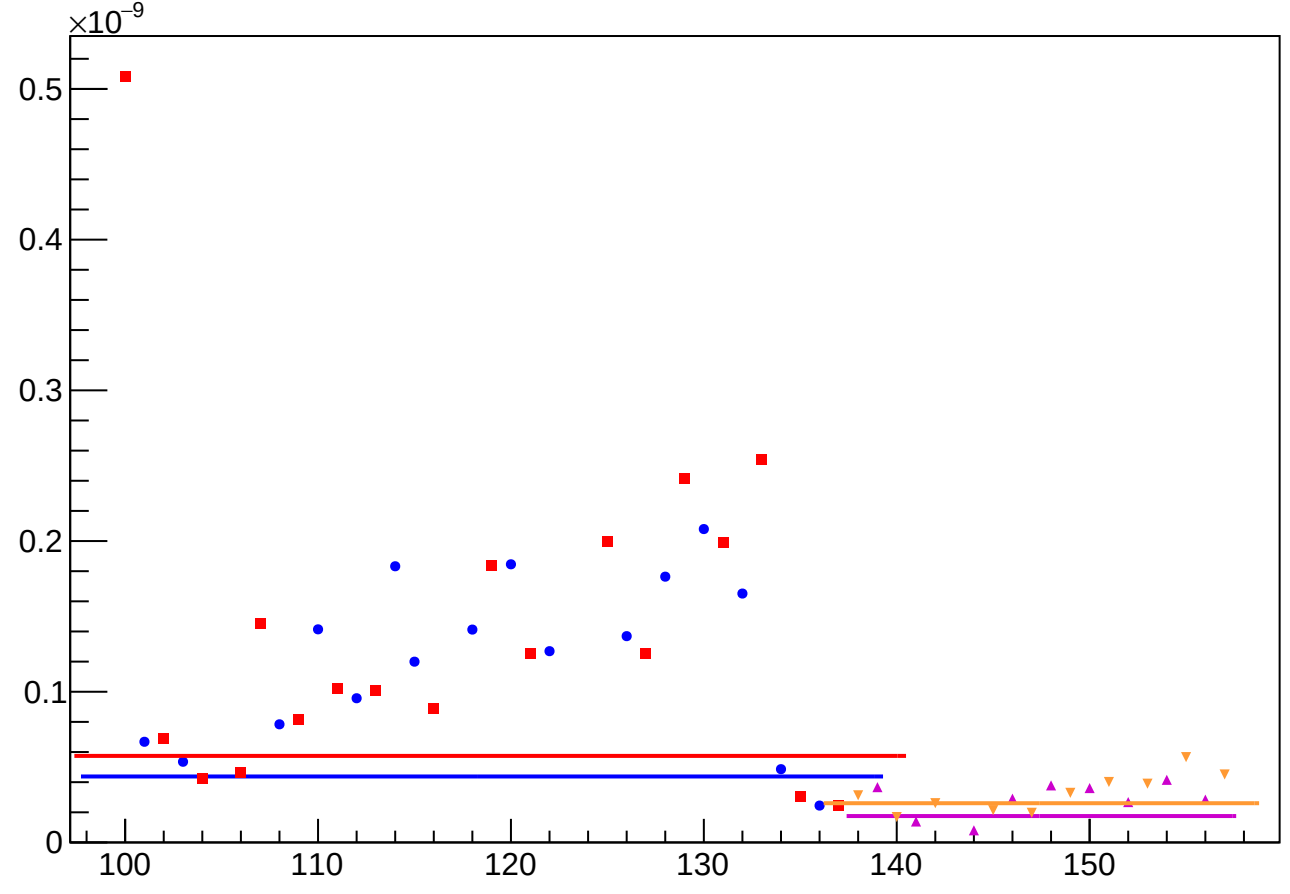
Left In: 2640.496+/-0.667 χ^2/NDF:10309.7/8

+ sign 2888.839+/-0.532 χ^2/NDF: 696555.5/25

All: 2868.795+/-0.375 χ^2/NDF: 1470654.4/52

- sign 2849.122+/-0.528 χ^2/NDF: 771291.4/26


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:4.4/9
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:16.8/8
+ sign -0.000+/-0.000 χ²/NDF: 18.9/25
All: -0.000+/-0.000 χ²/NDF: 49.8/52
- sign -0.000+/-0.000 χ²/NDF: 31.0/26



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:784887.8/9

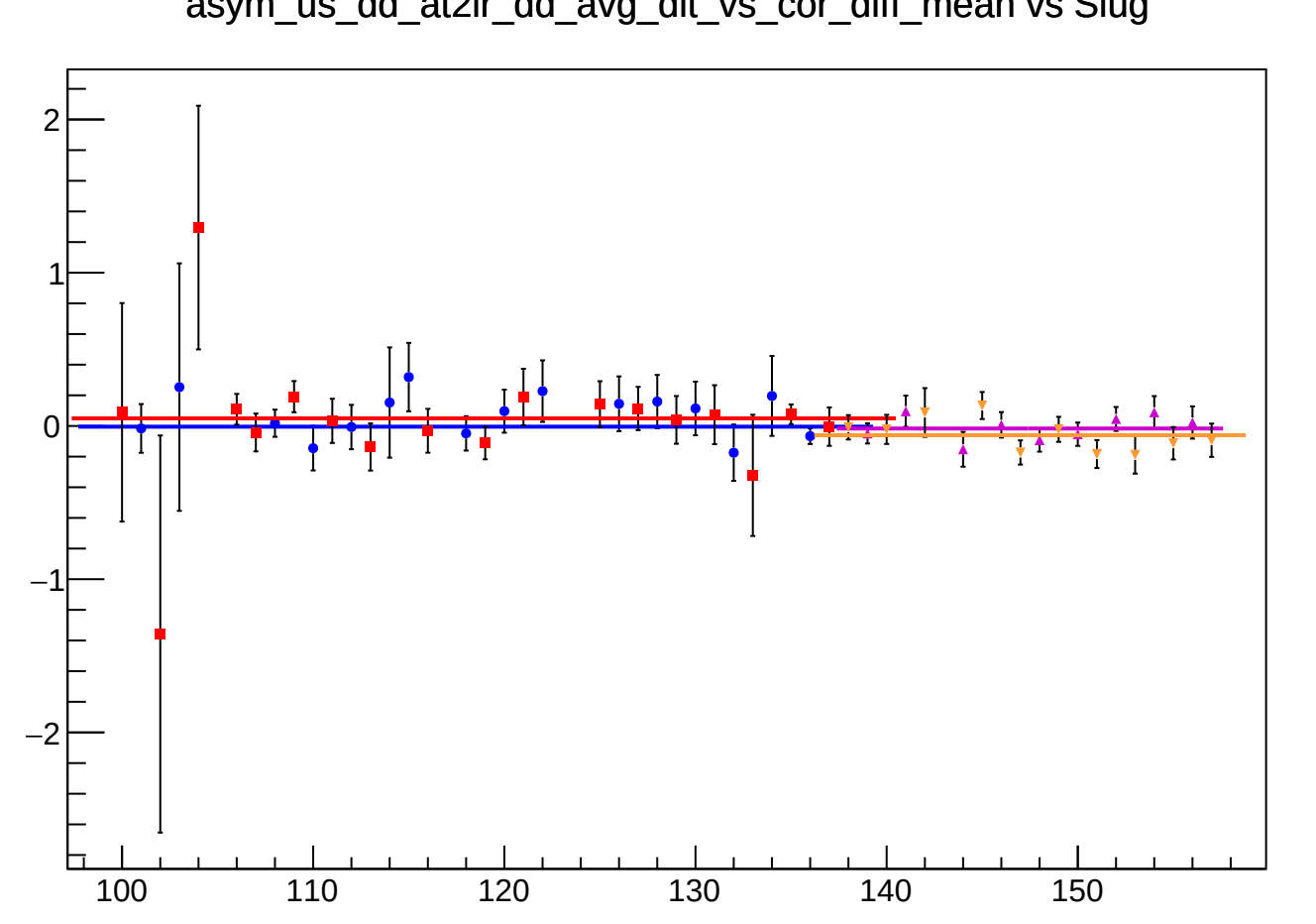
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1723888.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3452962.8/25

All: 0.000+/-0.000 χ^2/NDF: 9250526.2/52

- sign 0.000+/-0.000 χ^2/NDF: 5376661.7/26



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

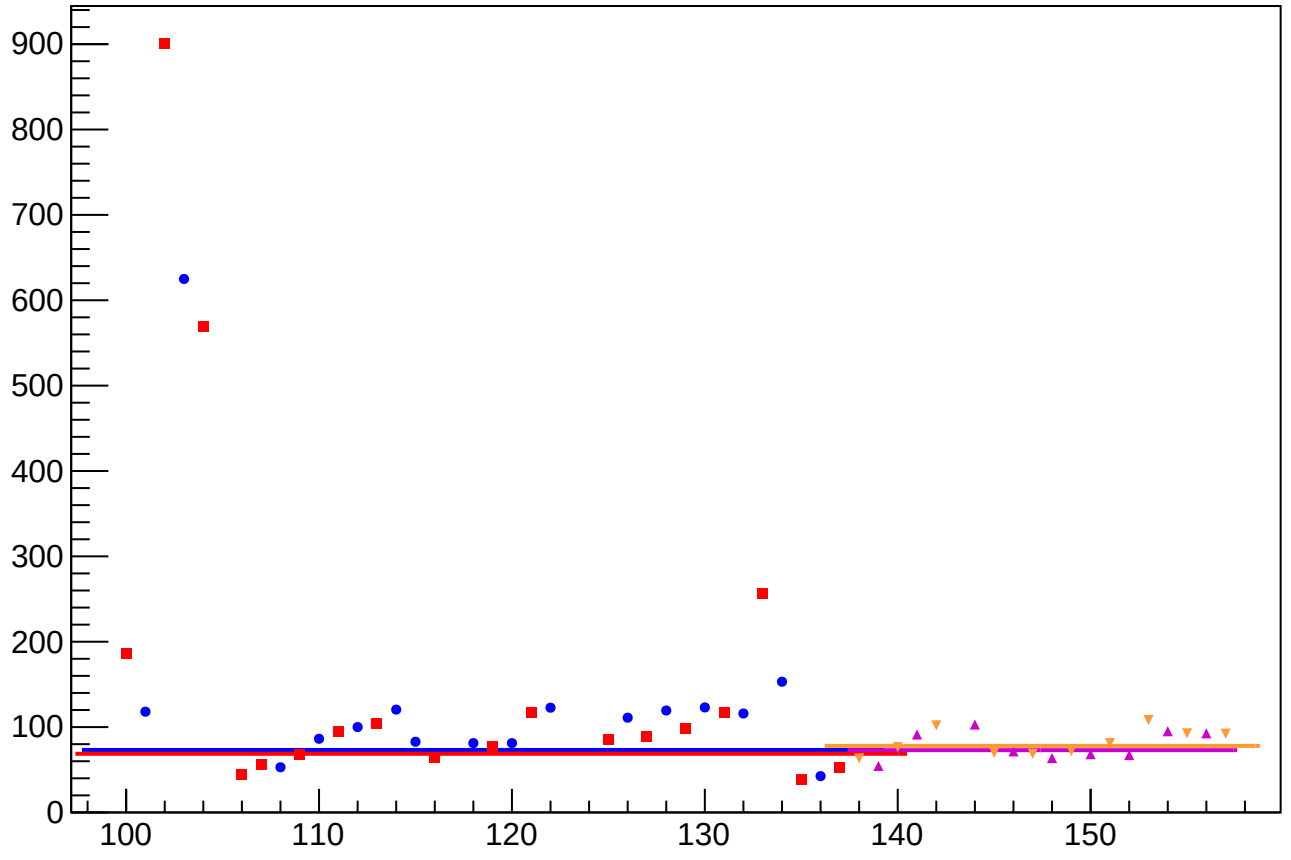
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.017+/-0.028 χ^2/NDF:6.0/8

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.6/52

- sign 0.013+/-0.021 χ^2/NDF: 21.5/26



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 77.996+/-0.021 χ^2/NDF:367586.6/9

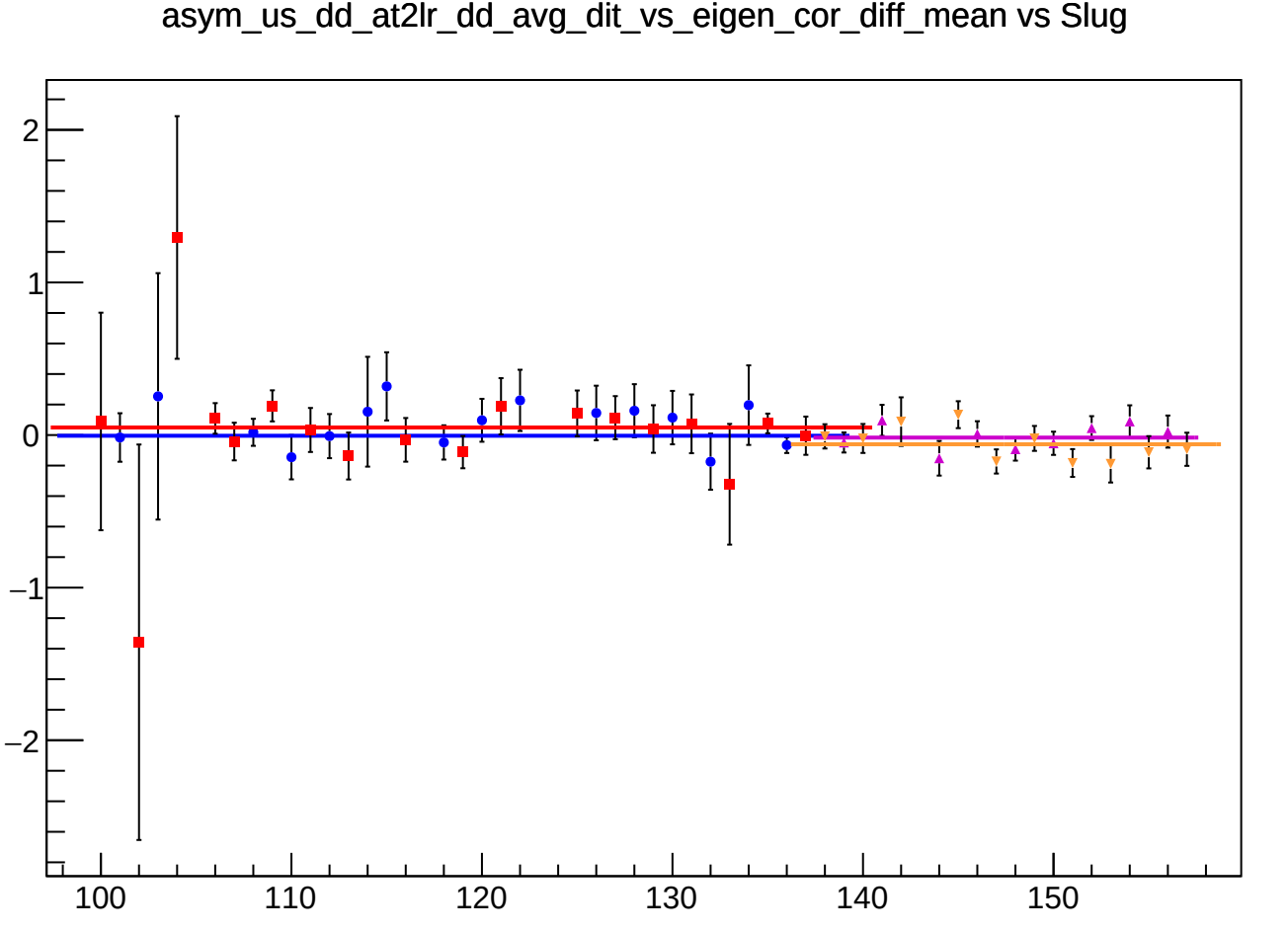
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.956+/-0.020 χ^2/NDF:570492.7/8

+ sign 75.782+/-0.016 χ^2/NDF: 3245550.7/25

All: 73.334+/-0.011 χ^2/NDF: 7215377.5/52

- sign 71.074+/-0.015 χ^2/NDF: 3922082.9/26



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

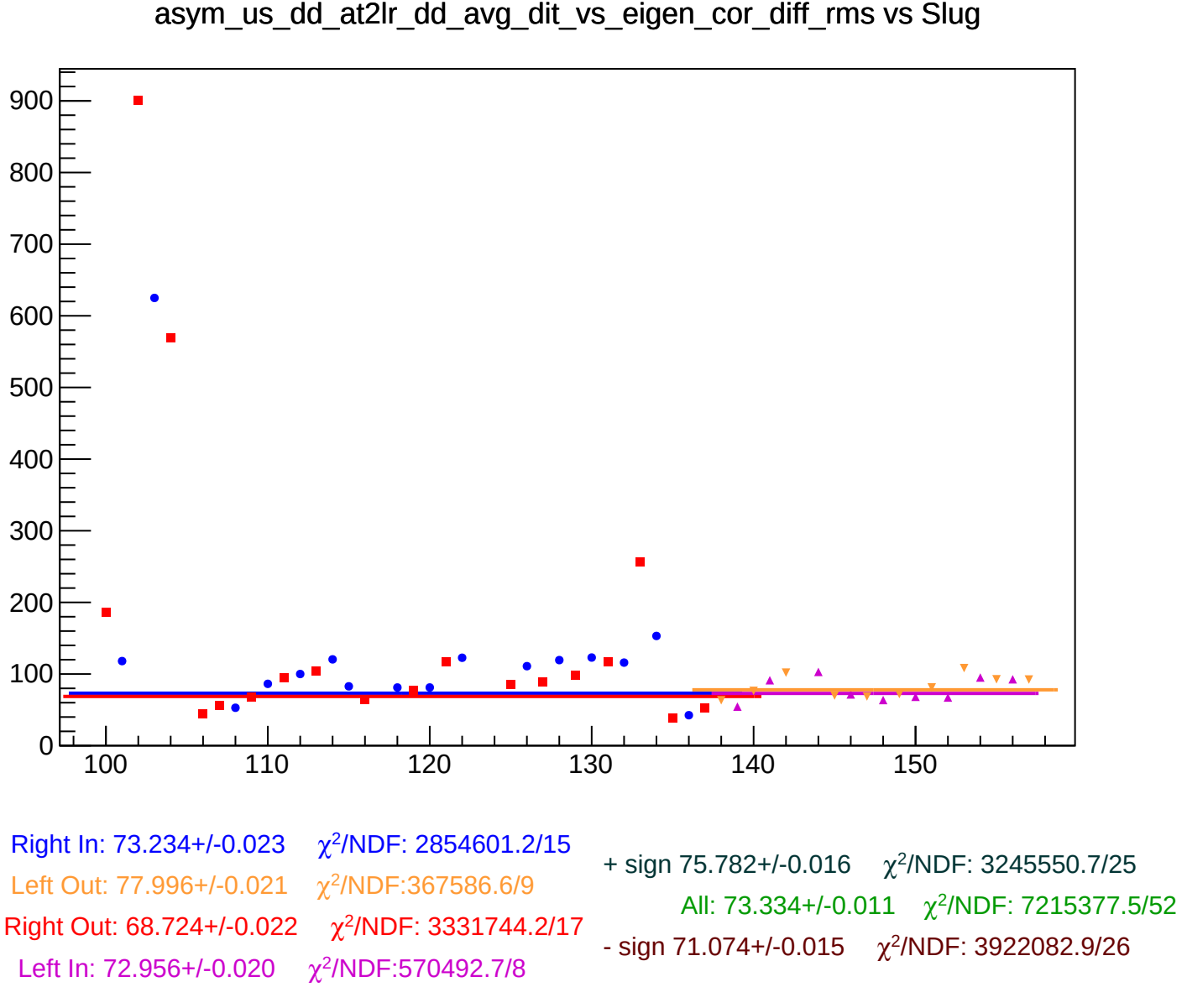
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

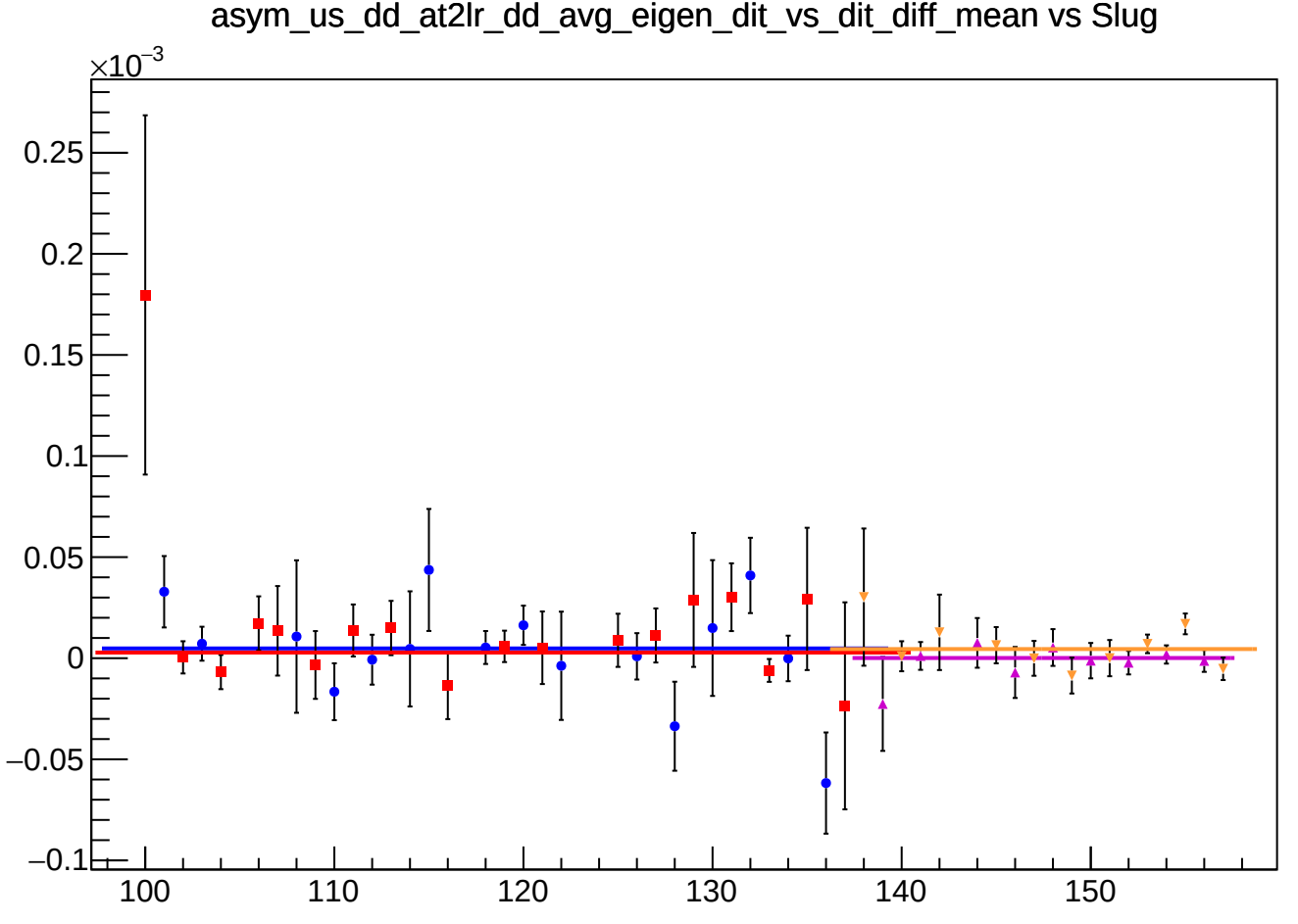
Left In: -0.017+/-0.028 χ^2/NDF:6.0/8

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.6/52

- sign 0.013+/-0.021 χ^2/NDF: 21.5/26


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 73.234+/-0.023 χ²/NDF: 2854601.2/15
Left Out: 77.996+/-0.021 χ²/NDF:367586.6/9
Right Out: 68.724+/-0.022 χ²/NDF: 3331744.2/17
Left In: 72.956+/-0.020 χ²/NDF:570492.7/8
+ sign 75.782+/-0.016 χ²/NDF: 3245550.7/25
All: 73.334+/-0.011 χ²/NDF: 7215377.5/52
- sign 71.074+/-0.015 χ²/NDF: 3922082.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/9

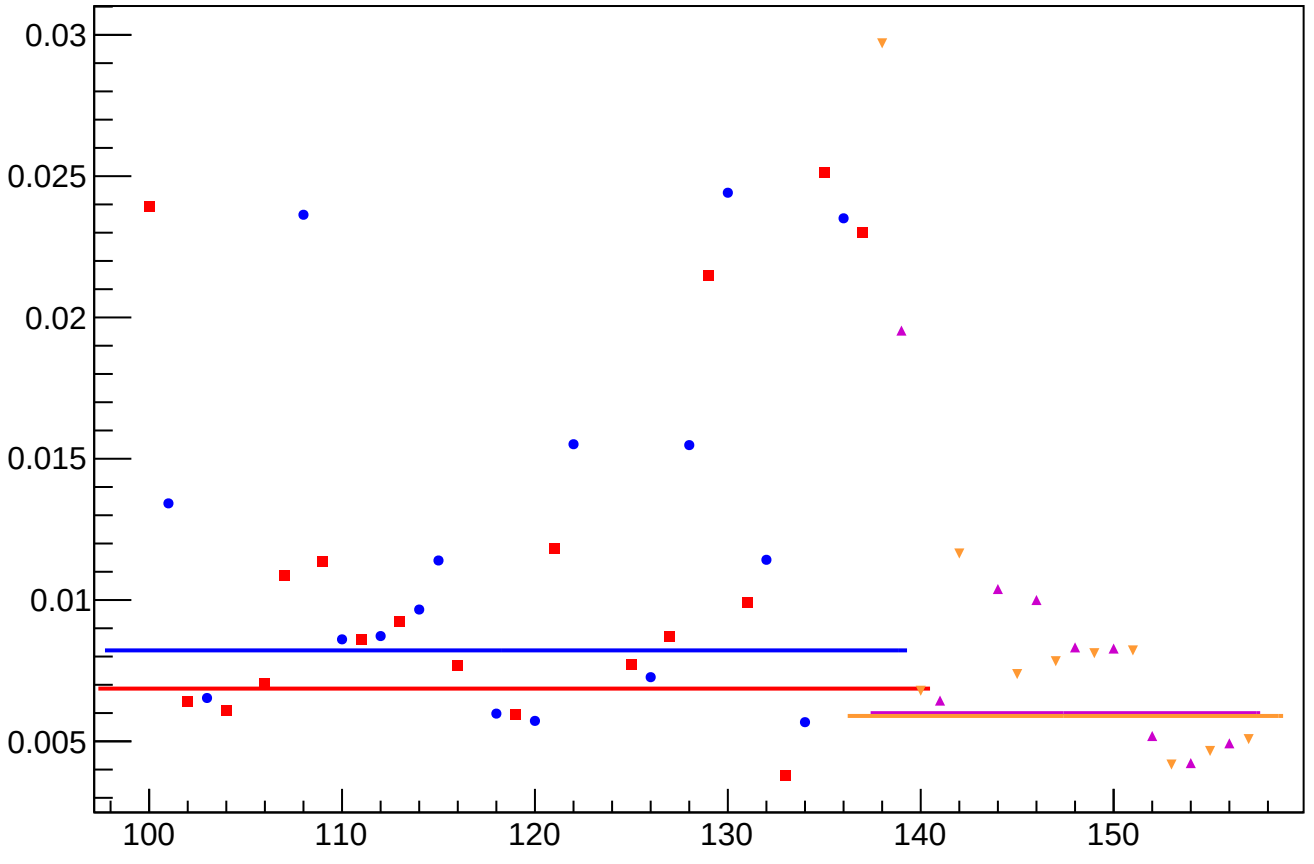
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/25

All: 0.000+/-0.000 χ^2/NDF: 57.0/52

- sign 0.000+/-0.000 χ^2/NDF: 19.7/26



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:2056759.6/9

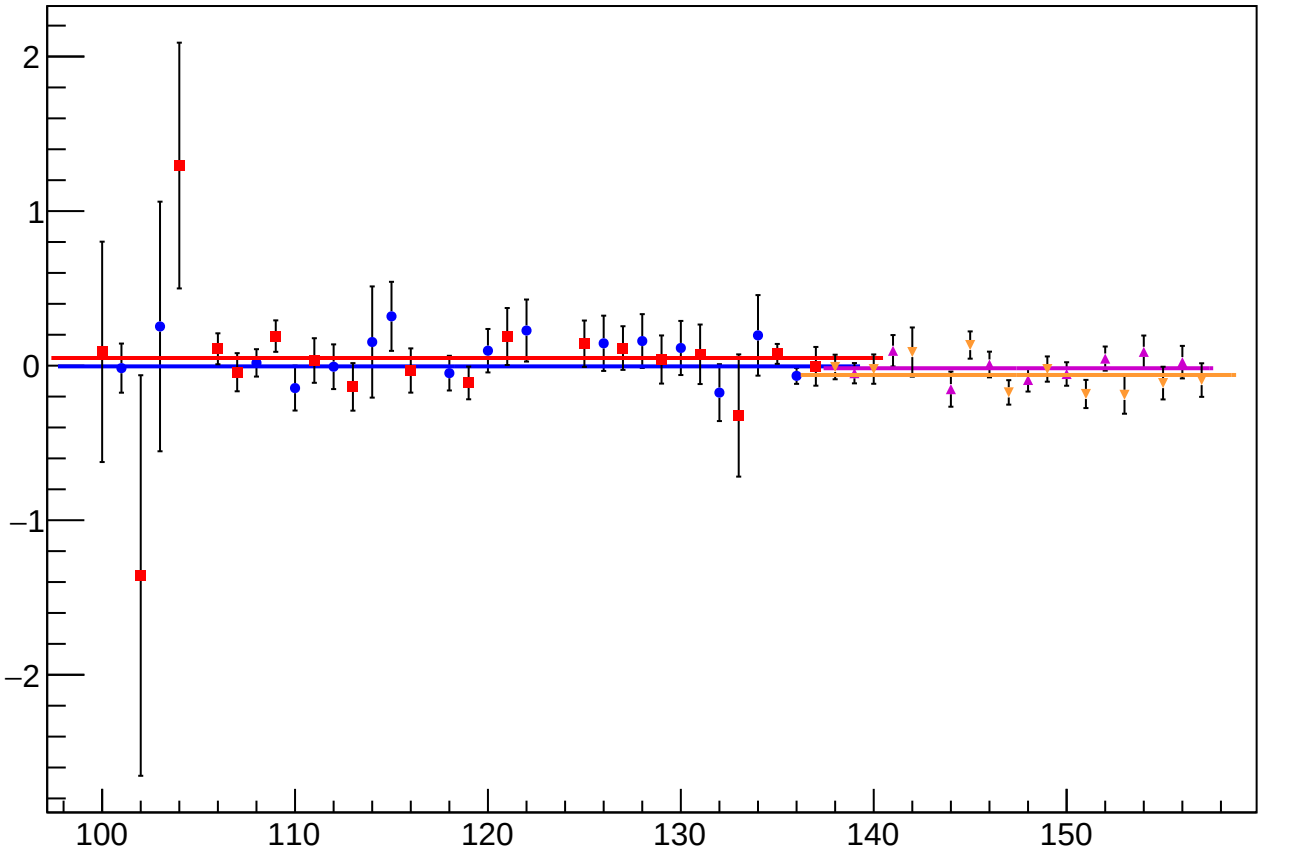
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1834091.0/8

+ sign 0.007+/-0.000 χ^2/NDF: 5330026.8/25

All: 0.006+/-0.000 χ^2/NDF: 9716018.7/52

- sign 0.006+/-0.000 χ^2/NDF: 4370004.0/26



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

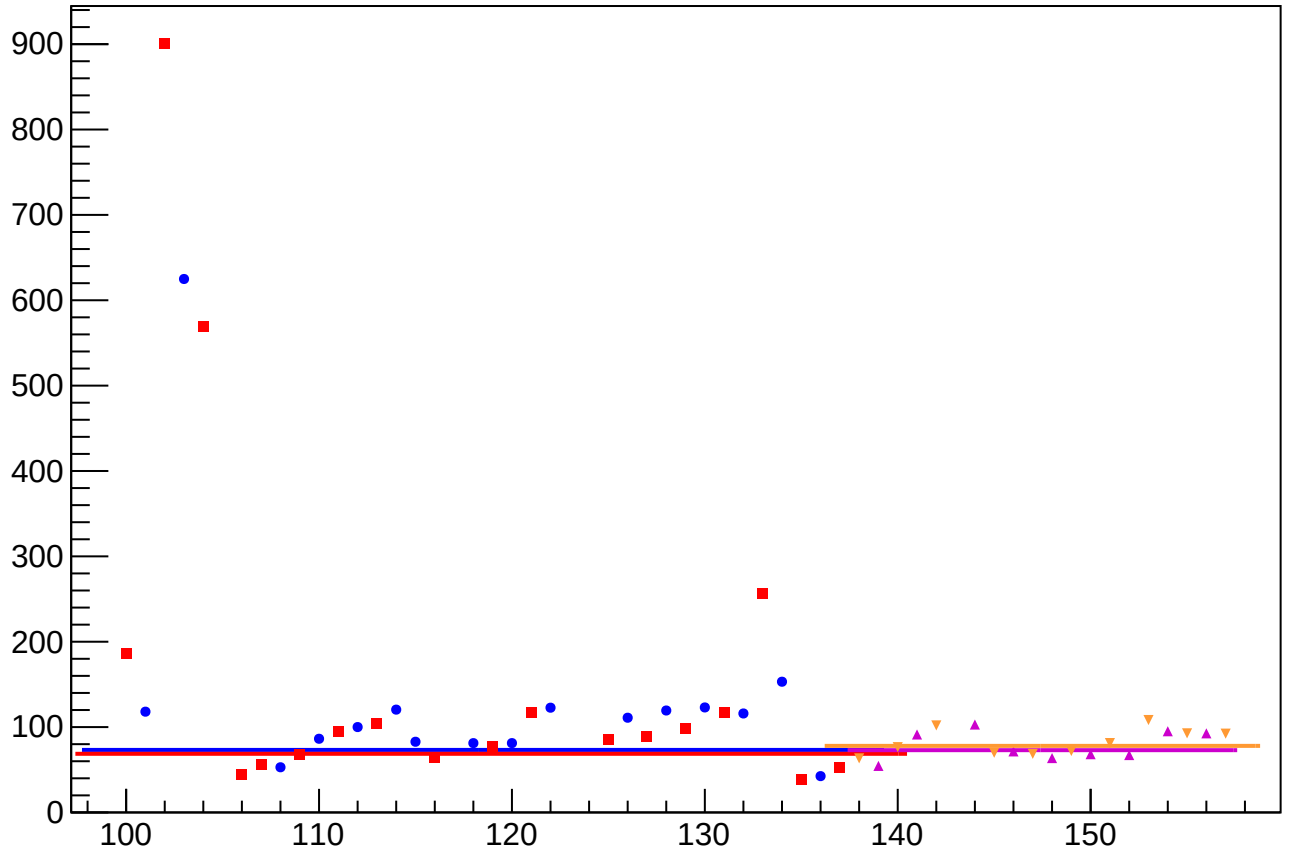
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.017+/-0.028 χ^2/NDF:6.0/8

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.6/52

- sign 0.013+/-0.021 χ^2/NDF: 21.5/26



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.997+/-0.021 χ^2/NDF:367552.7/9

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

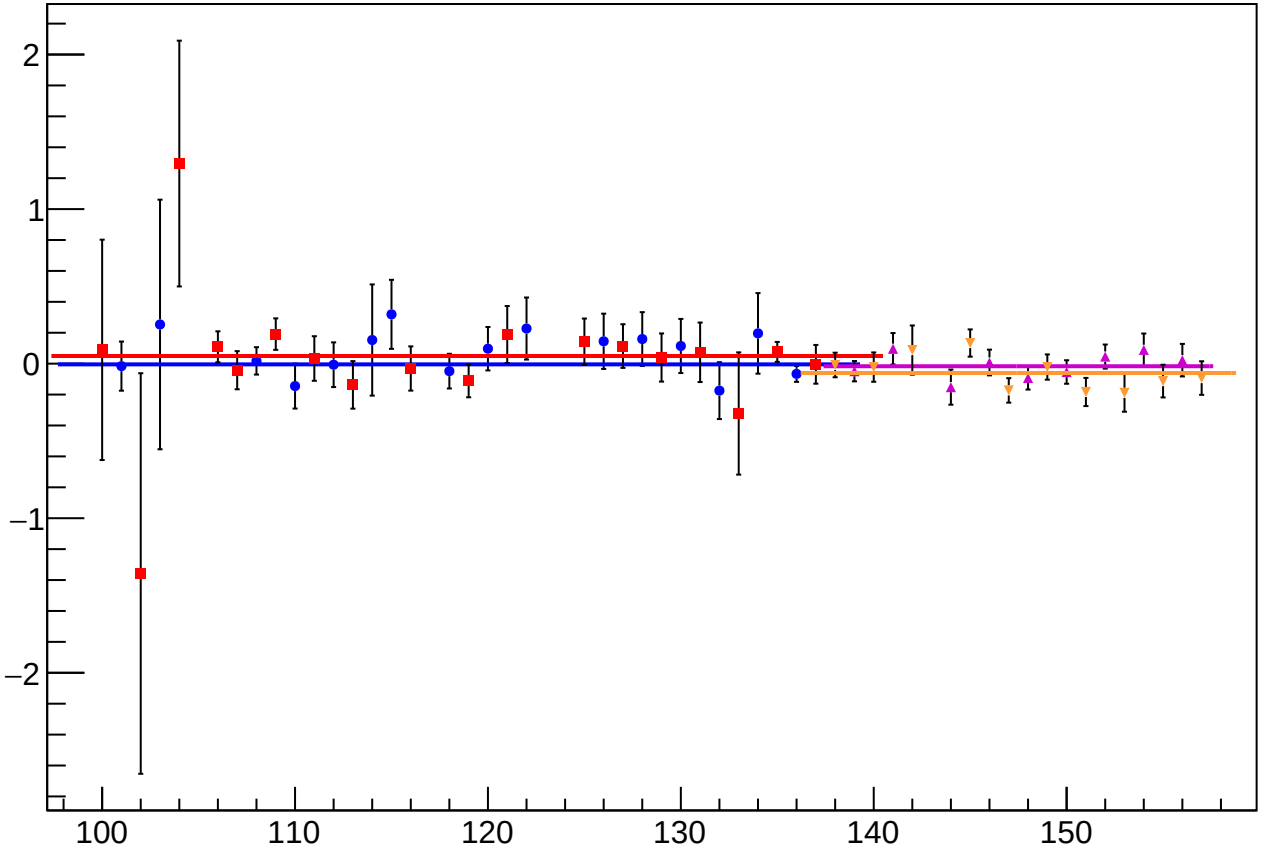
Left In: 72.958+/-0.020 χ^2/NDF:570234.7/8

+ sign 75.795+/-0.016 χ^2/NDF: 3242978.2/25

All: 73.338+/-0.011 χ^2/NDF: 7214005.1/52

- sign 71.070+/-0.015 χ^2/NDF: 3922952.4/26

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.060+/-0.030 χ^2/NDF:11.8/9

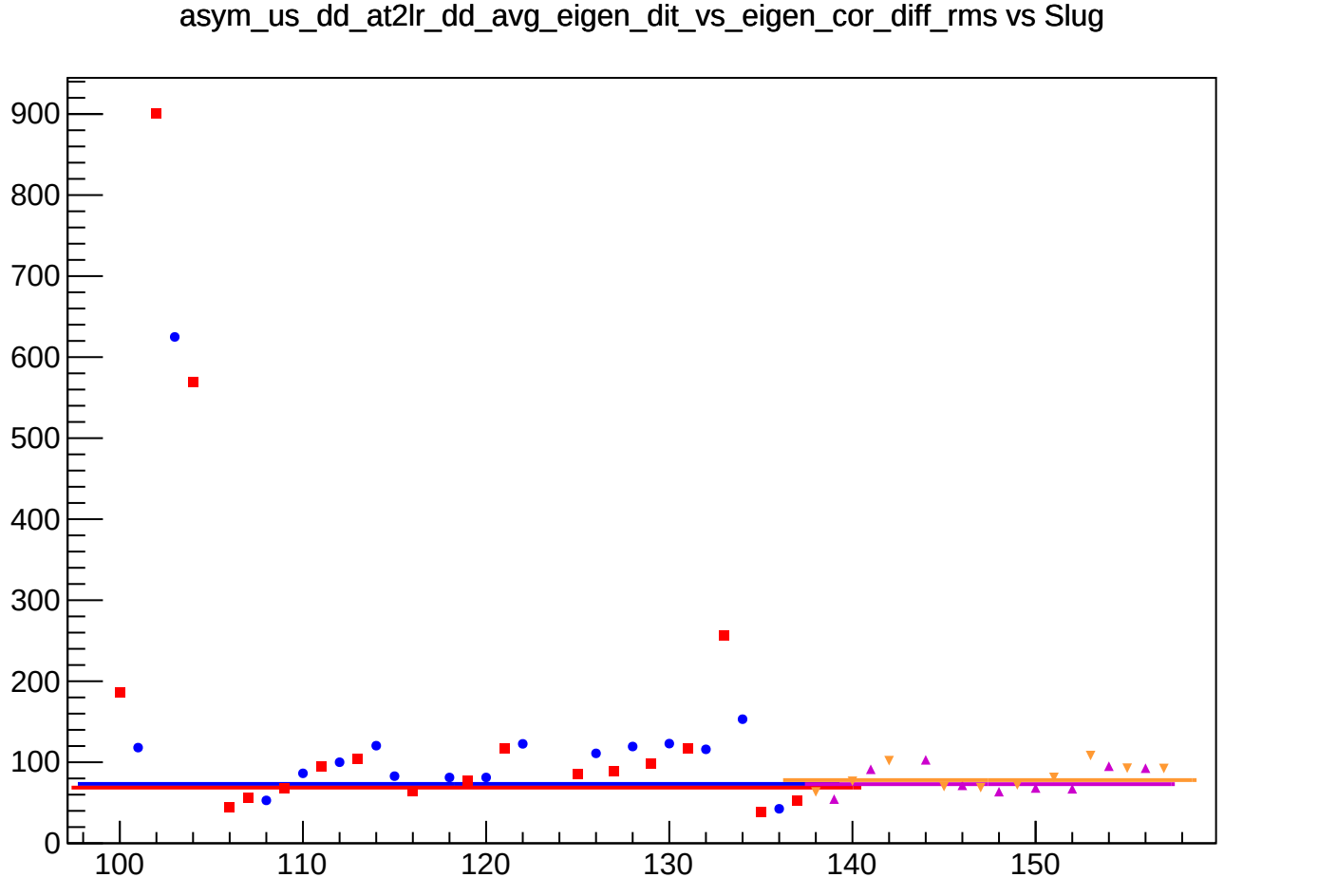
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.017+/-0.028 χ^2/NDF:6.0/8

+ sign -0.034+/-0.022 χ^2/NDF: 23.7/25

All: -0.010+/-0.015 χ^2/NDF: 47.6/52

- sign 0.013+/-0.021 χ^2/NDF: 21.5/26



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.997+/-0.021 χ^2/NDF:367552.7/9

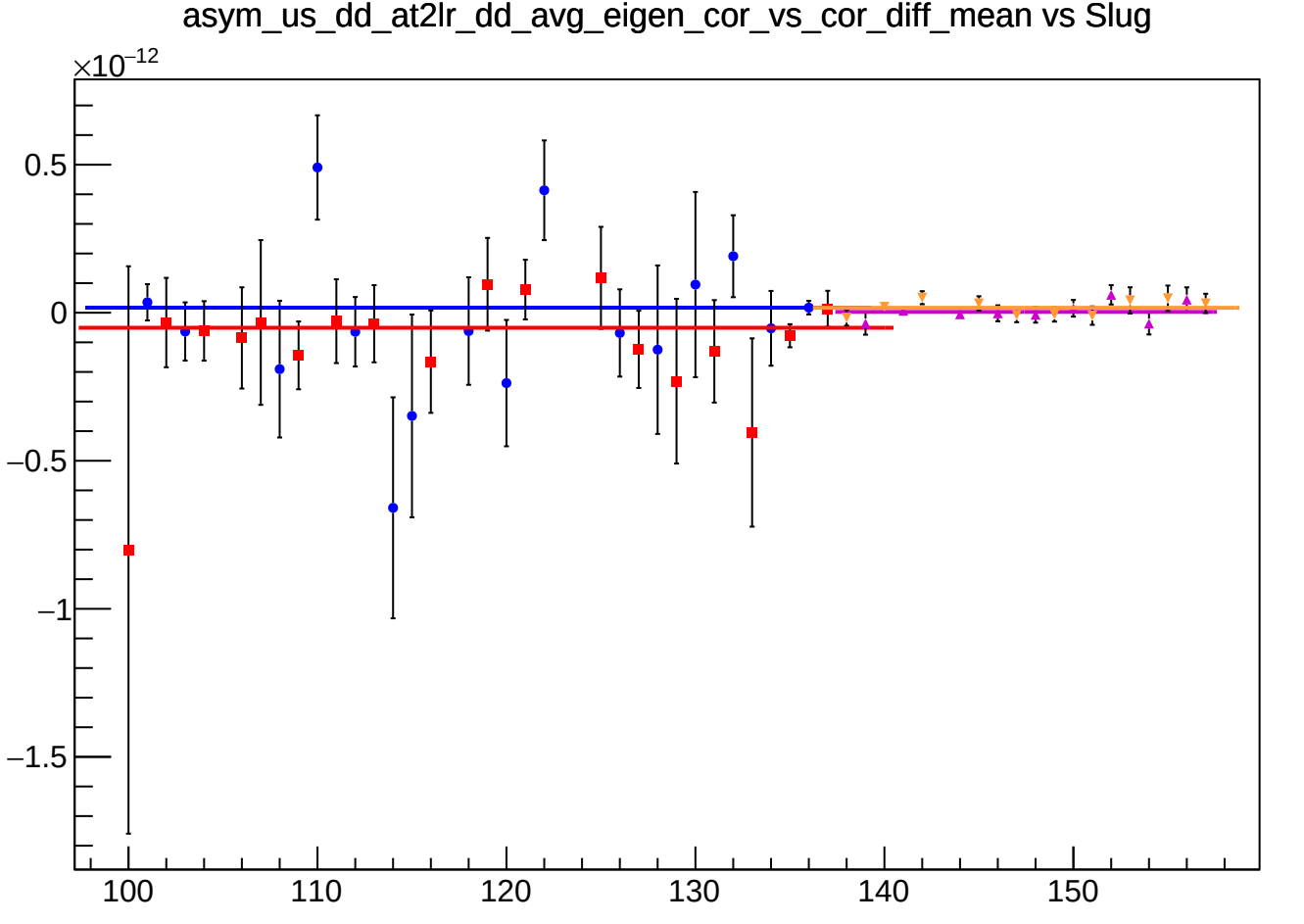
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.958+/-0.020 χ^2/NDF:570234.7/8

+ sign 75.795+/-0.016 χ^2/NDF: 3242978.2/25

All: 73.338+/-0.011 χ^2/NDF: 7214005.1/52

- sign 71.070+/-0.015 χ^2/NDF: 3922952.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/9

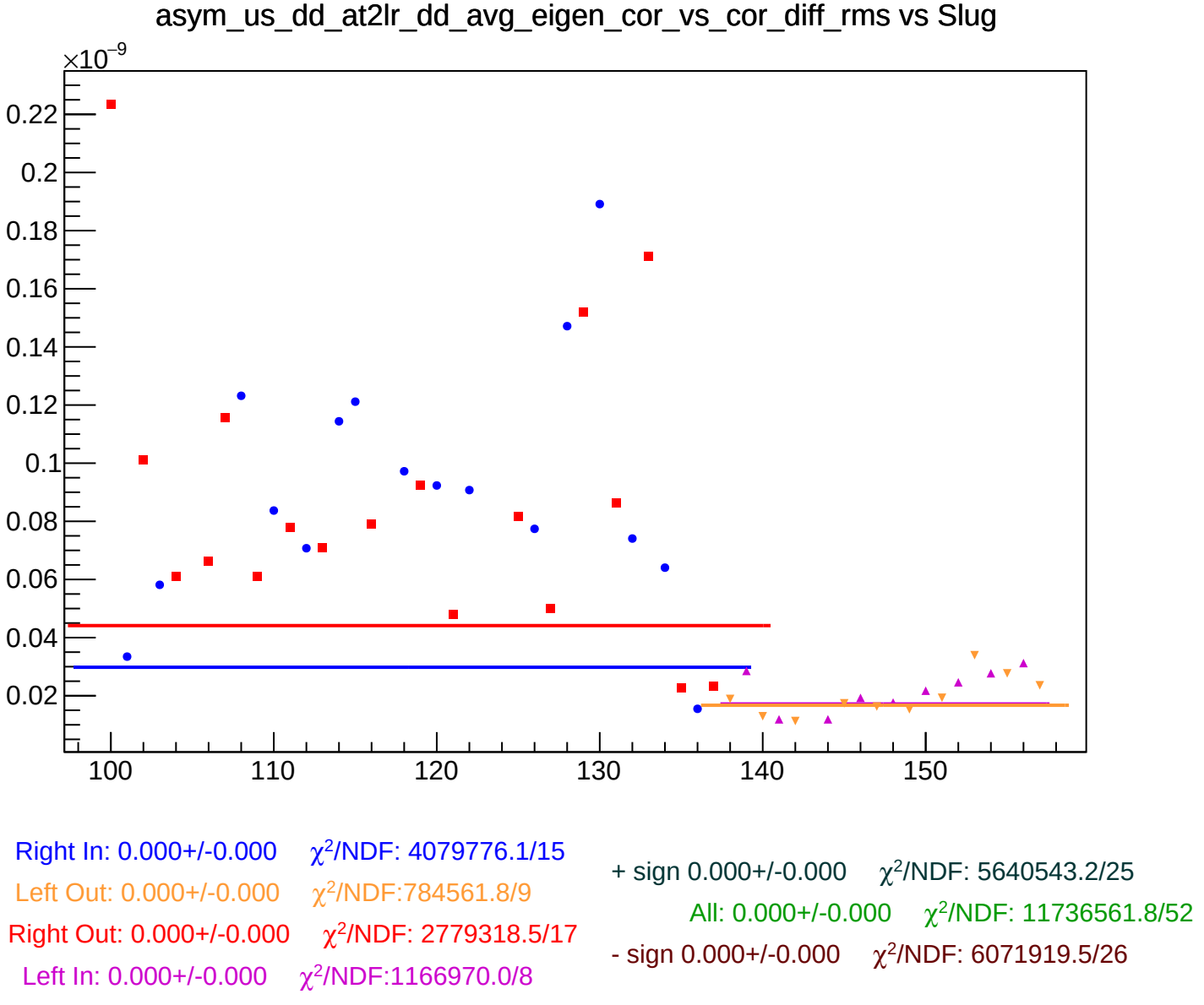
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.0/8

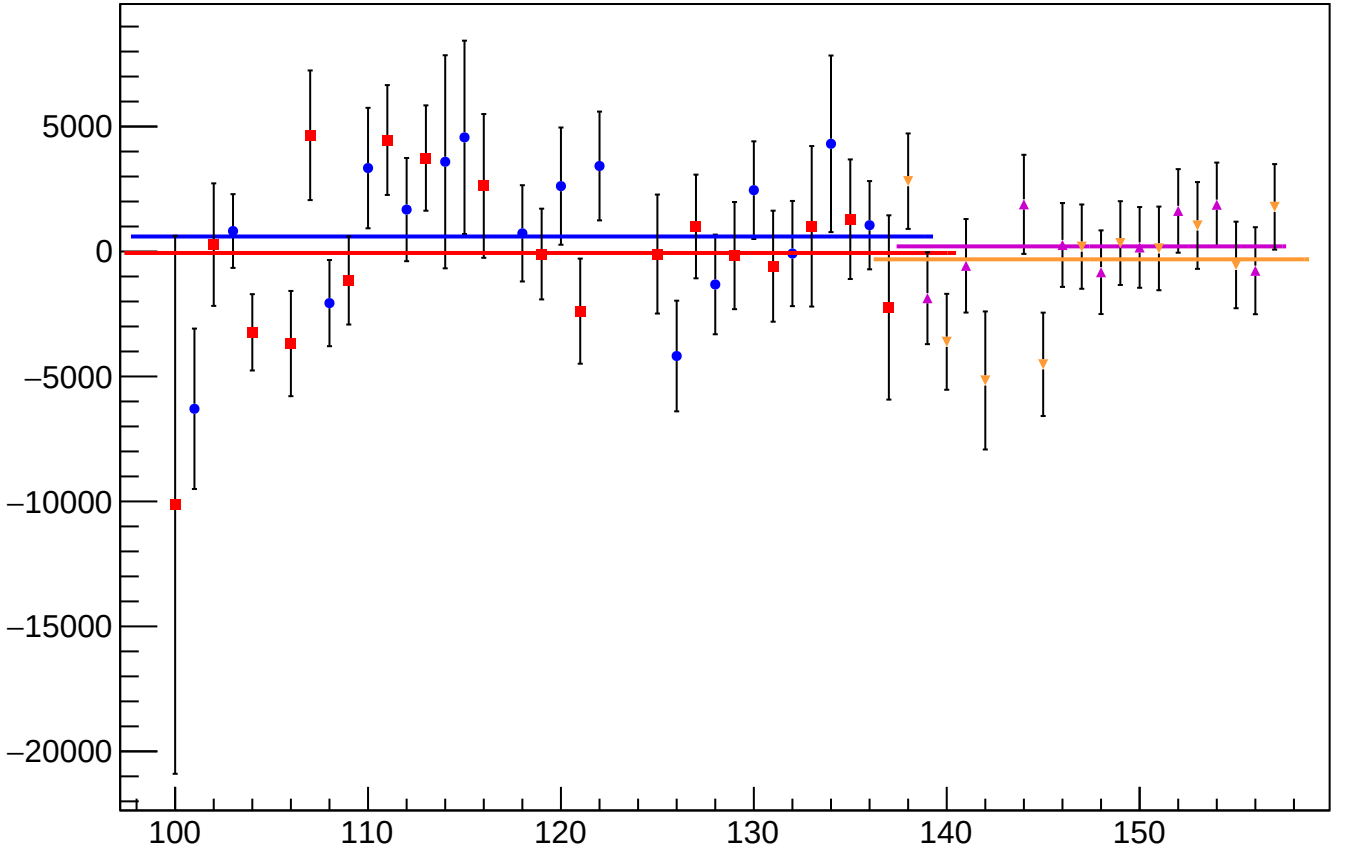
+ sign 0.000+/-0.000 χ^2/NDF: 31.4/25

All: 0.000+/-0.000 χ^2/NDF: 54.7/52

- sign -0.000+/-0.000 χ^2/NDF: 20.2/26


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:784561.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1166970.0/8
+ sign 0.000+/-0.000 χ²/NDF: 5640543.2/25
All: 0.000+/-0.000 χ²/NDF: 11736561.8/52
- sign 0.000+/-0.000 χ²/NDF: 6071919.5/26

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.831+/-579.082 χ^2/NDF:15.3/9

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

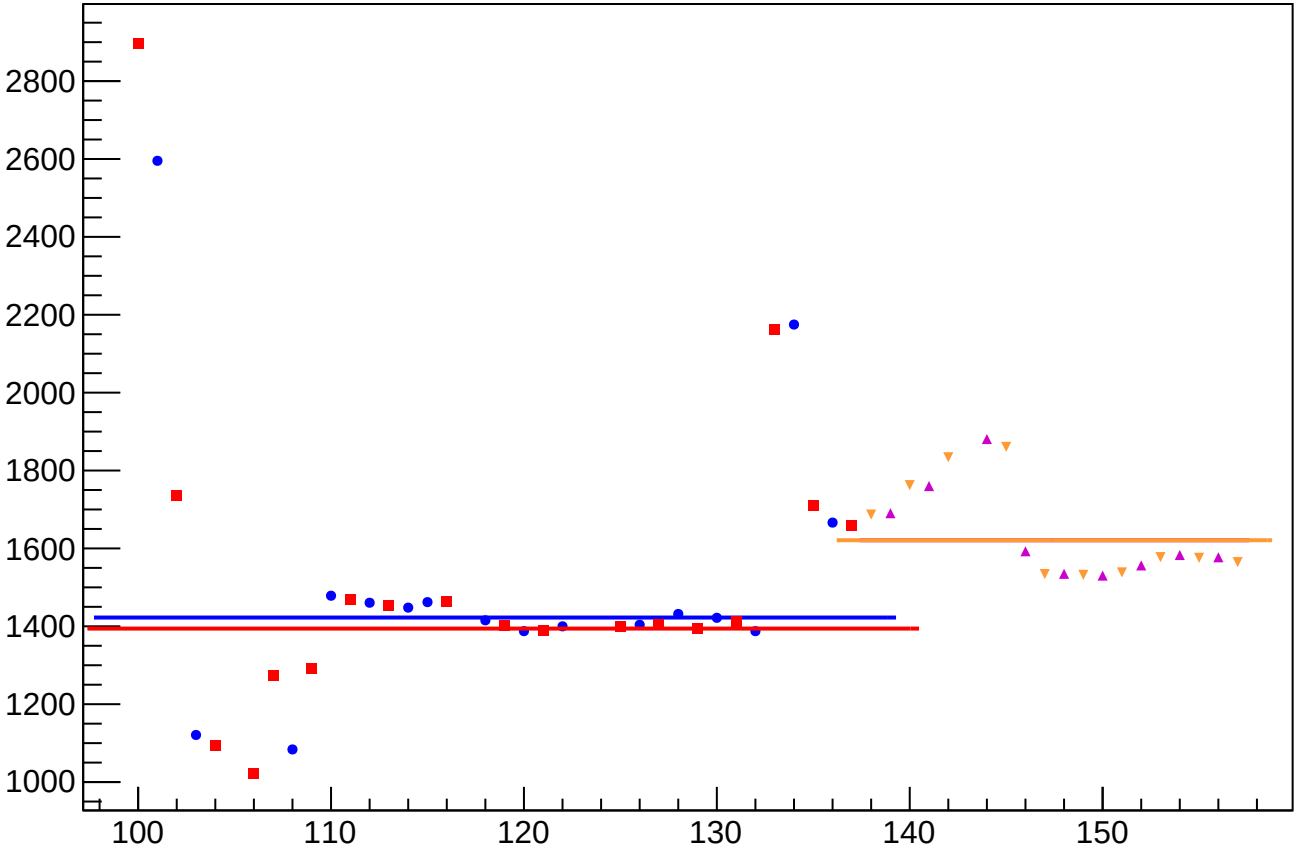
Left In: 205.032+/-580.133 χ^2/NDF:4.6/8

+ sign 175.459+/-394.953 χ^2/NDF: 36.9/25

All: 117.768+/-278.000 χ^2/NDF: 64.2/52

- sign 61.118+/-391.375 χ^2/NDF: 27.2/26

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

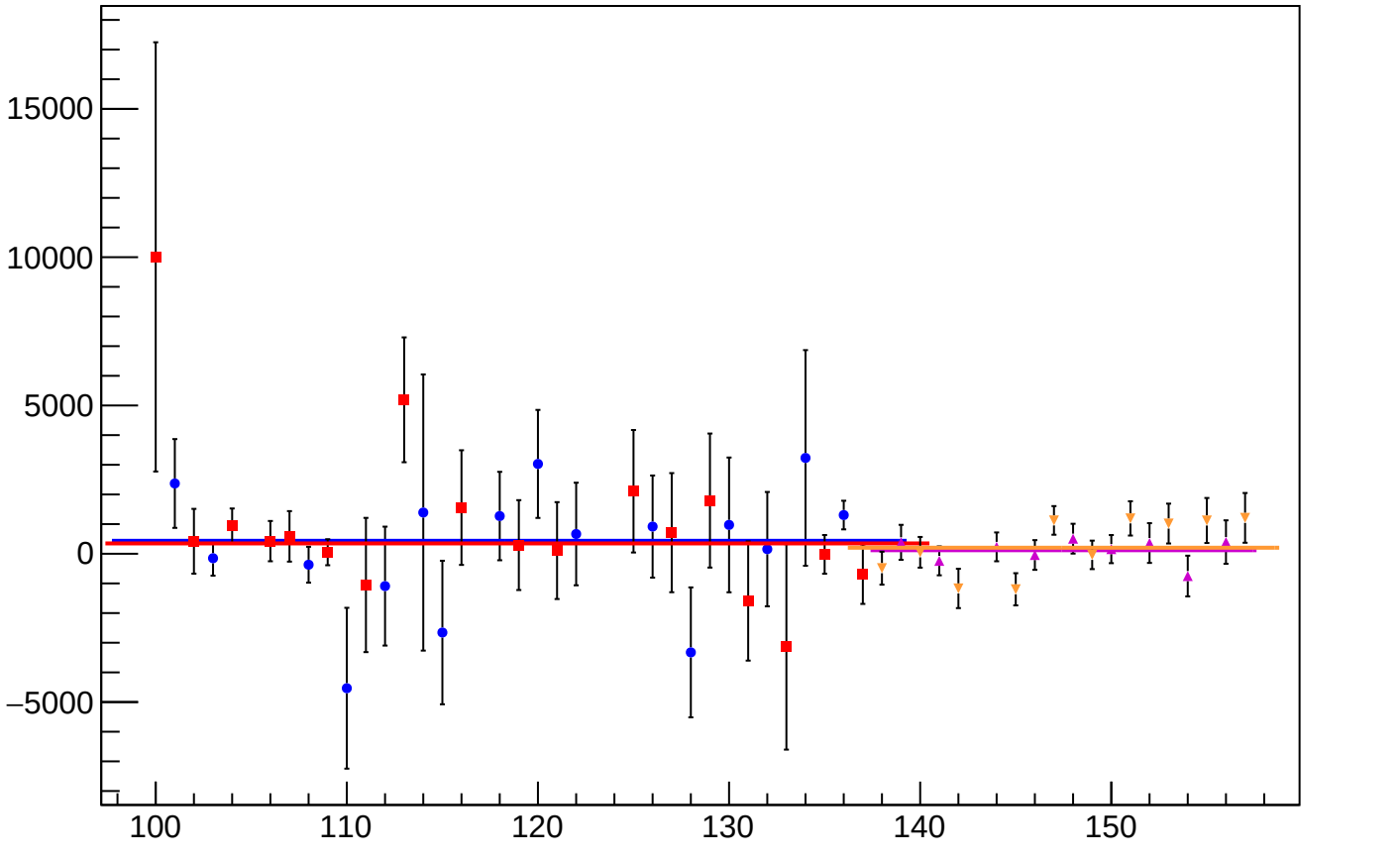
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1620.991+/-0.410 χ^2/NDF:65733.1/8

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.1/25

All: 1506.055+/-0.197 χ^2/NDF: 1386555.8/52

- sign 1497.402+/-0.277 χ^2/NDF: 625984.5/26



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 203.478+/-183.713 χ^2/NDF:23.8/9

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

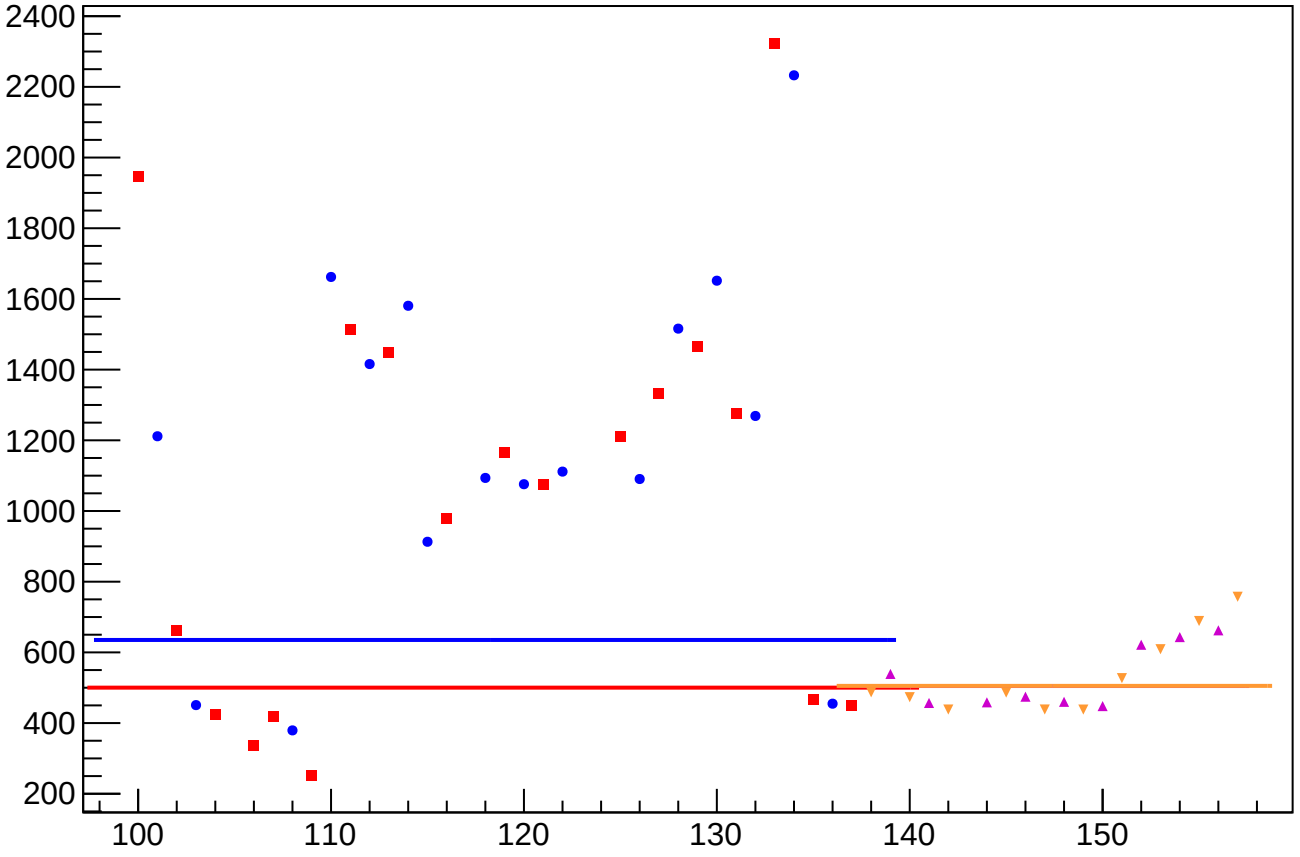
Left In: 119.627+/-182.781 χ^2/NDF:3.4/8

+ sign 275.056+/-152.918 χ^2/NDF: 43.6/25

All: 238.716+/-104.829 χ^2/NDF: 61.6/52

- sign 206.498+/-143.986 χ^2/NDF: 17.9/26

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 505.237+/-0.130 χ^2/NDF:458217.6/9

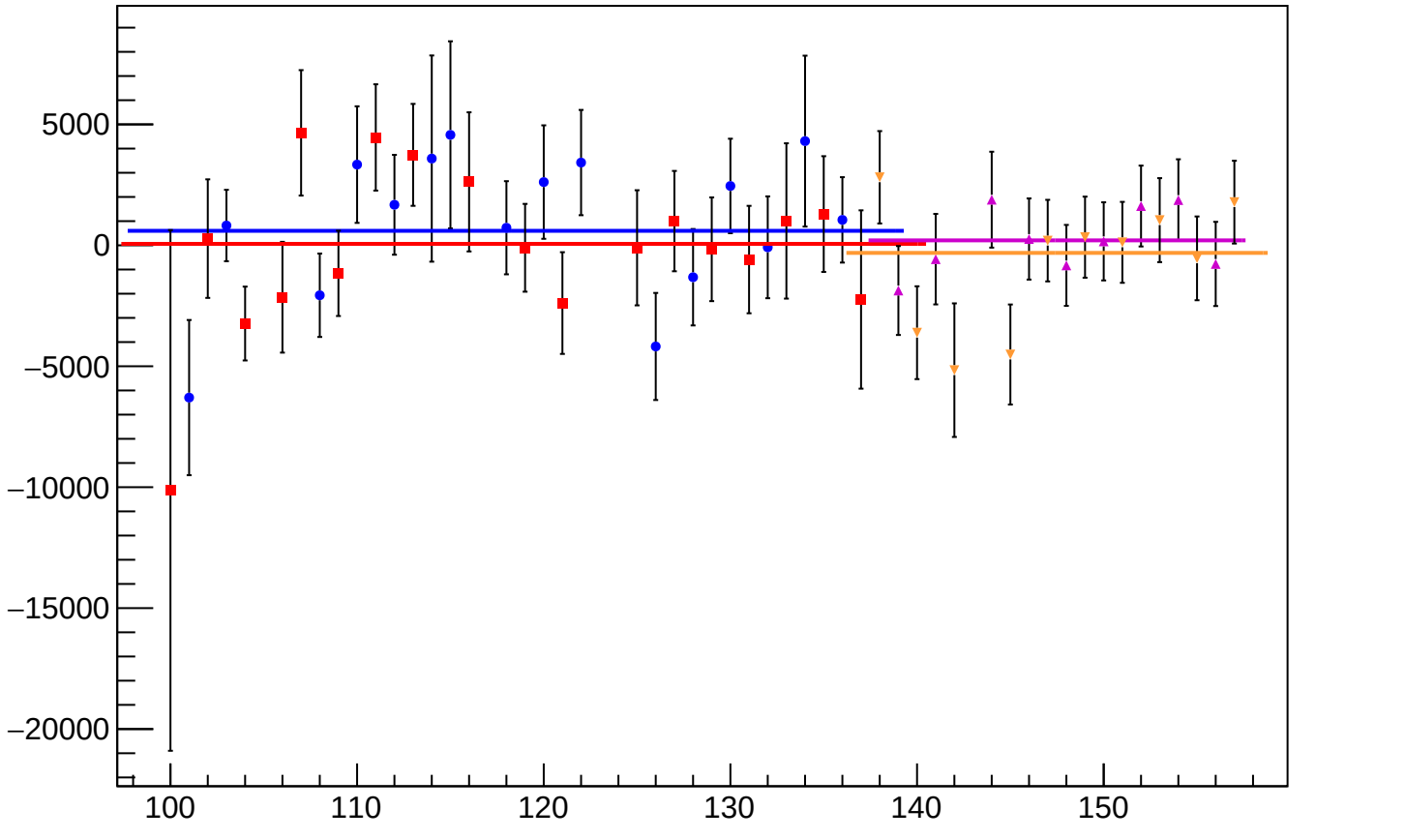
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 504.820+/-0.129 χ^2/NDF:330525.9/8

+ sign 545.136+/-0.108 χ^2/NDF: 4517923.3/25

All: 522.844+/-0.074 χ^2/NDF: 9238210.2/52

- sign 503.079+/-0.102 χ^2/NDF: 4640097.4/26



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.946+/-579.082 χ^2/NDF:15.3/9

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

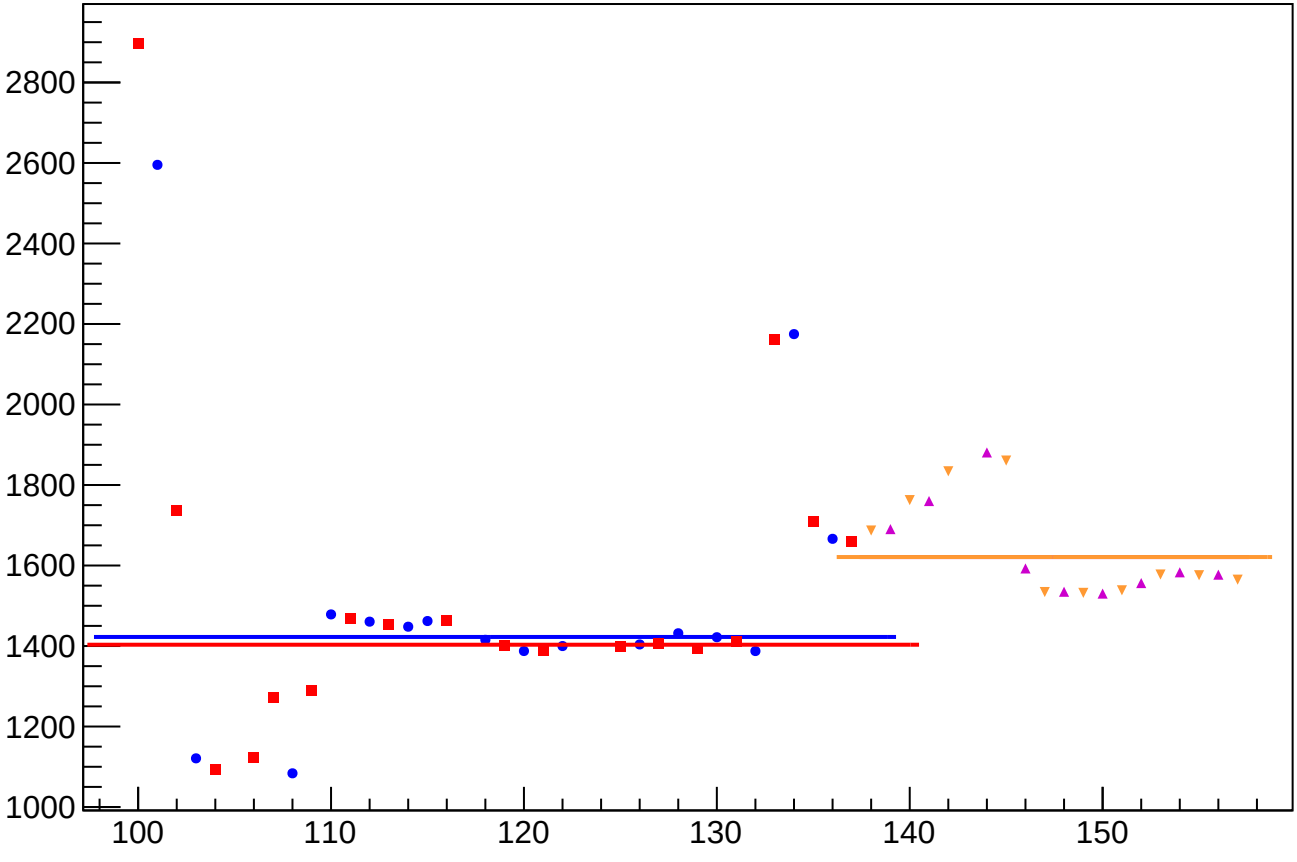
Left In: 205.058+/-580.133 χ^2/NDF:4.6/8

+ sign 175.337+/-394.953 χ^2/NDF: 36.9/25

All: 150.797+/-278.376 χ^2/NDF: 61.9/52

- sign 126.570+/-392.425 χ^2/NDF: 25.0/26

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

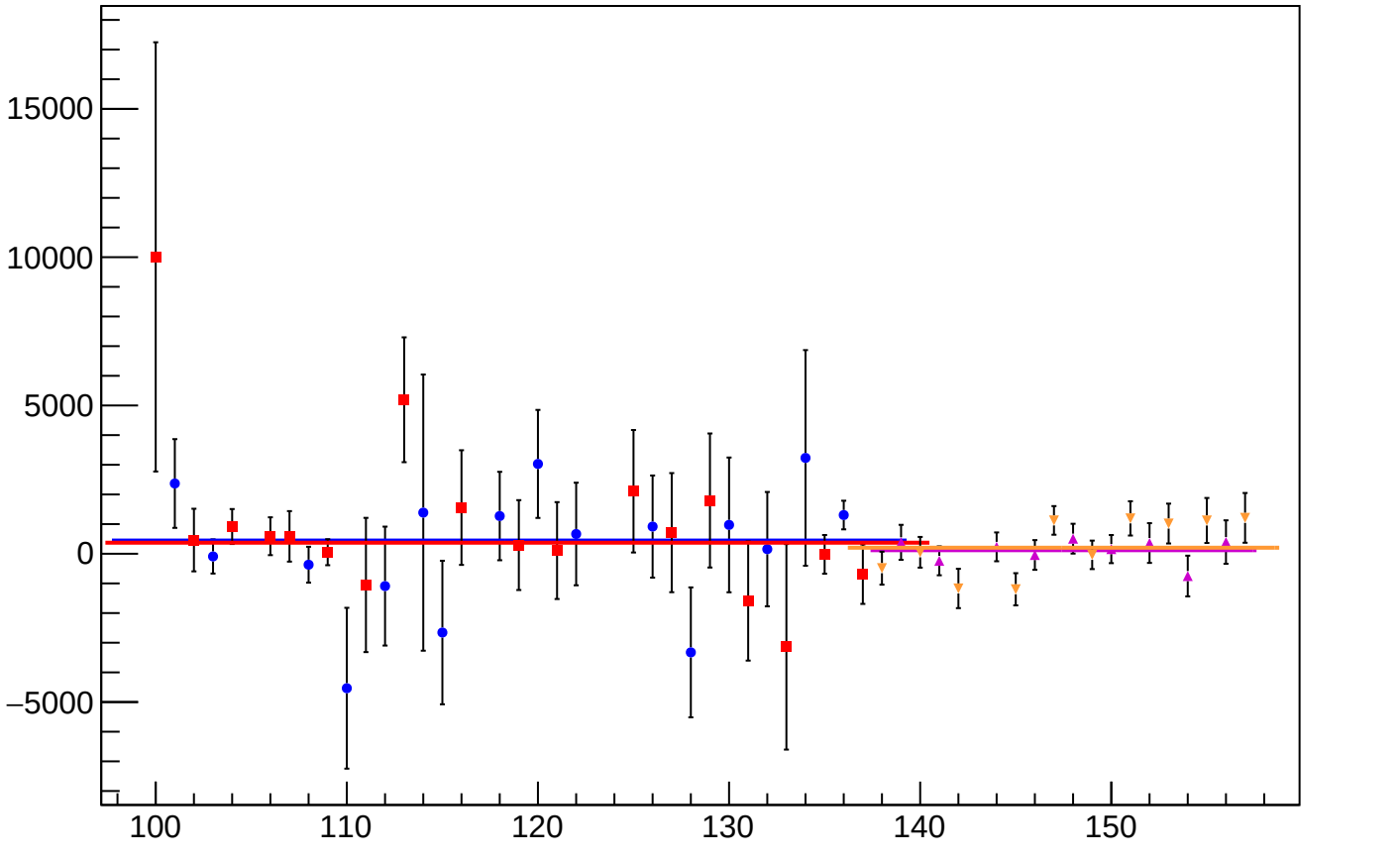
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1620.991+/-0.410 χ^2/NDF:65733.1/8

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.5/25

All: 1508.827+/-0.197 χ^2/NDF: 1337243.7/52

- sign 1502.865+/-0.277 χ^2/NDF: 577716.0/26



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

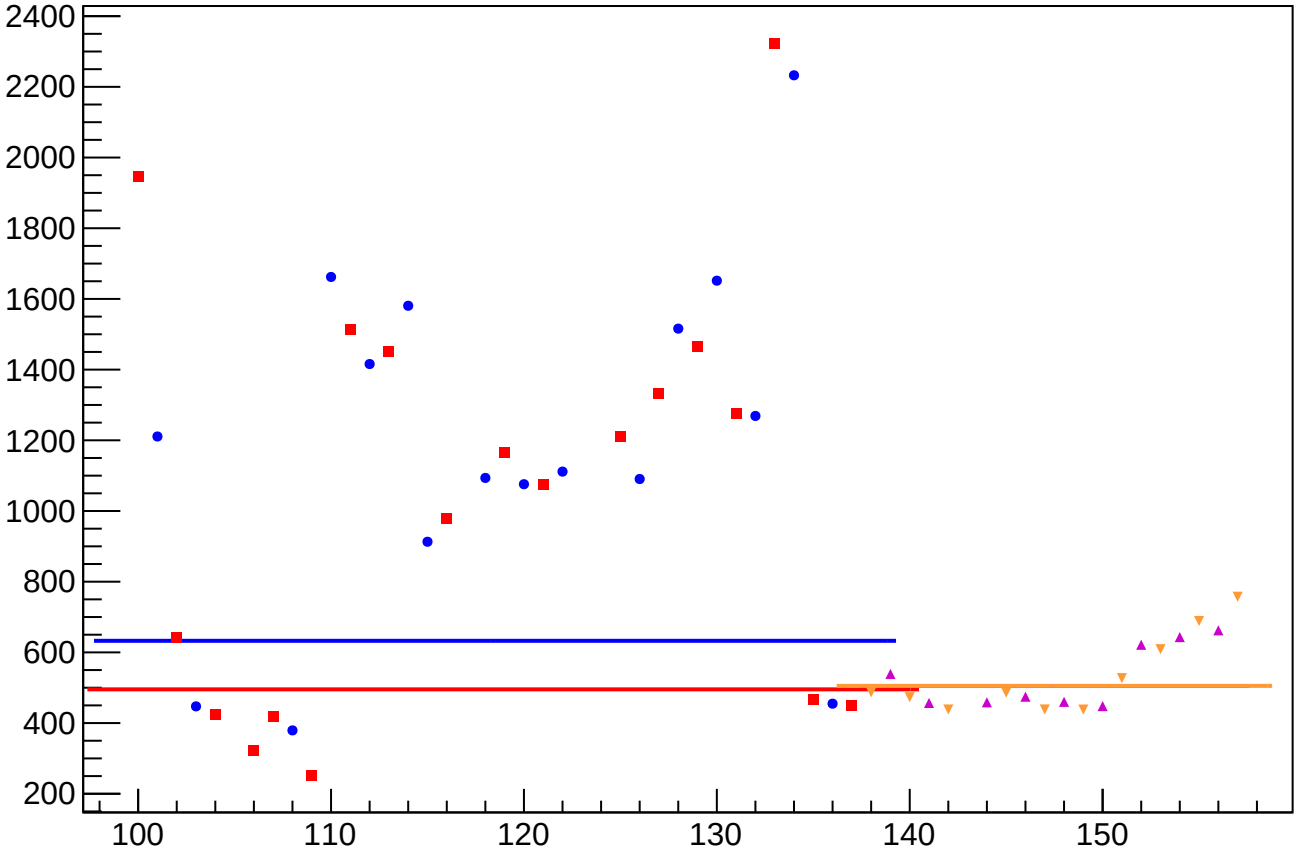
Left In: 119.713+/-182.779 χ^2/NDF:3.4/8

+ sign 278.149+/-152.718 χ^2/NDF: 43.5/25

All: 245.589+/-104.546 χ^2/NDF: 61.7/52

- sign 216.874+/-143.420 χ^2/NDF: 18.1/26

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 505.247+/-0.130 χ^2/NDF:458138.3/9

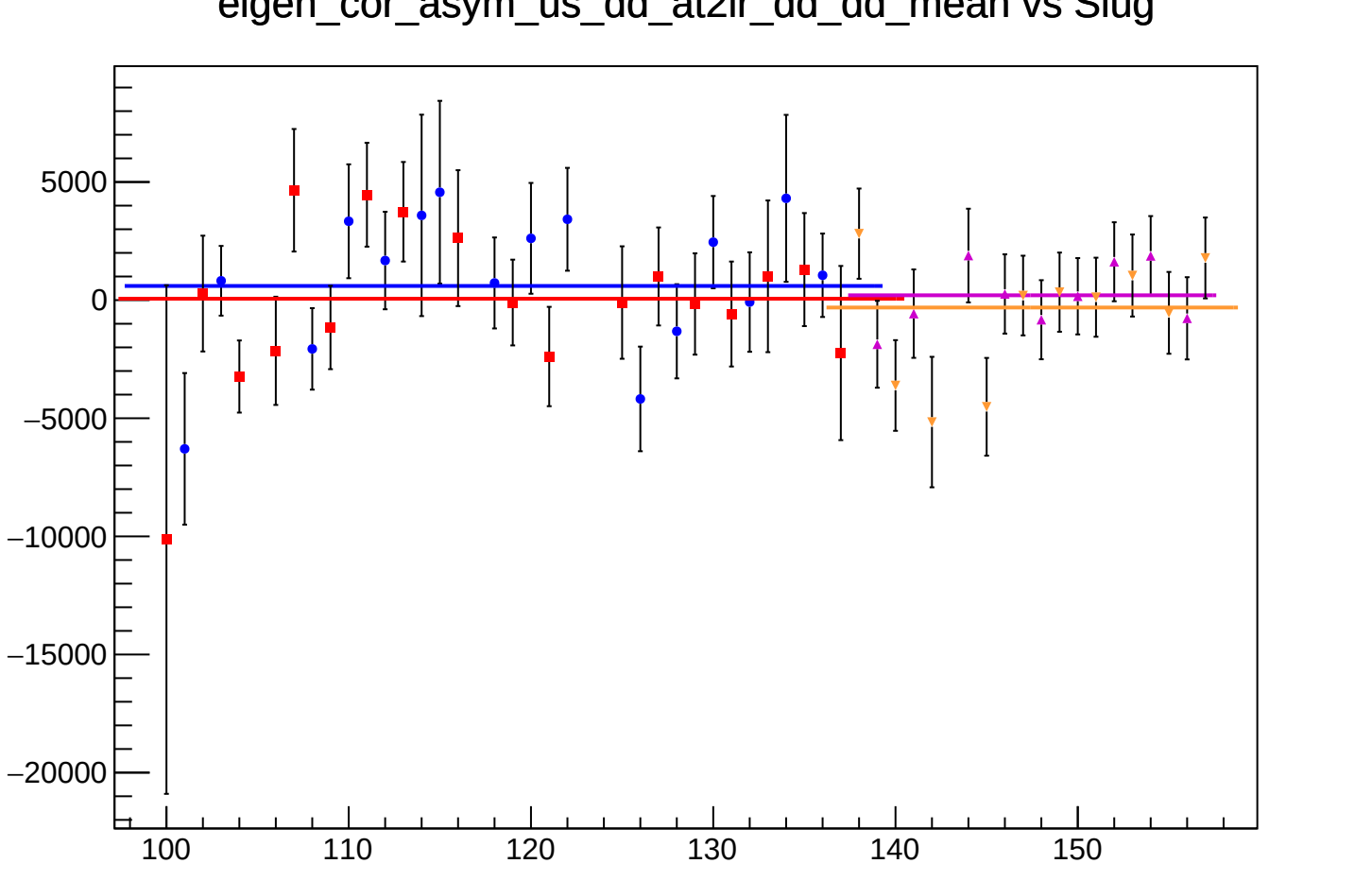
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 504.813+/-0.129 χ^2/NDF:330538.6/8

+ sign 544.645+/-0.108 χ^2/NDF: 4523543.7/25

All: 521.553+/-0.074 χ^2/NDF: 9279666.5/52

- sign 501.188+/-0.101 χ^2/NDF: 4670070.6/26



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -312.946+/-579.082 χ^2/NDF:15.3/9

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

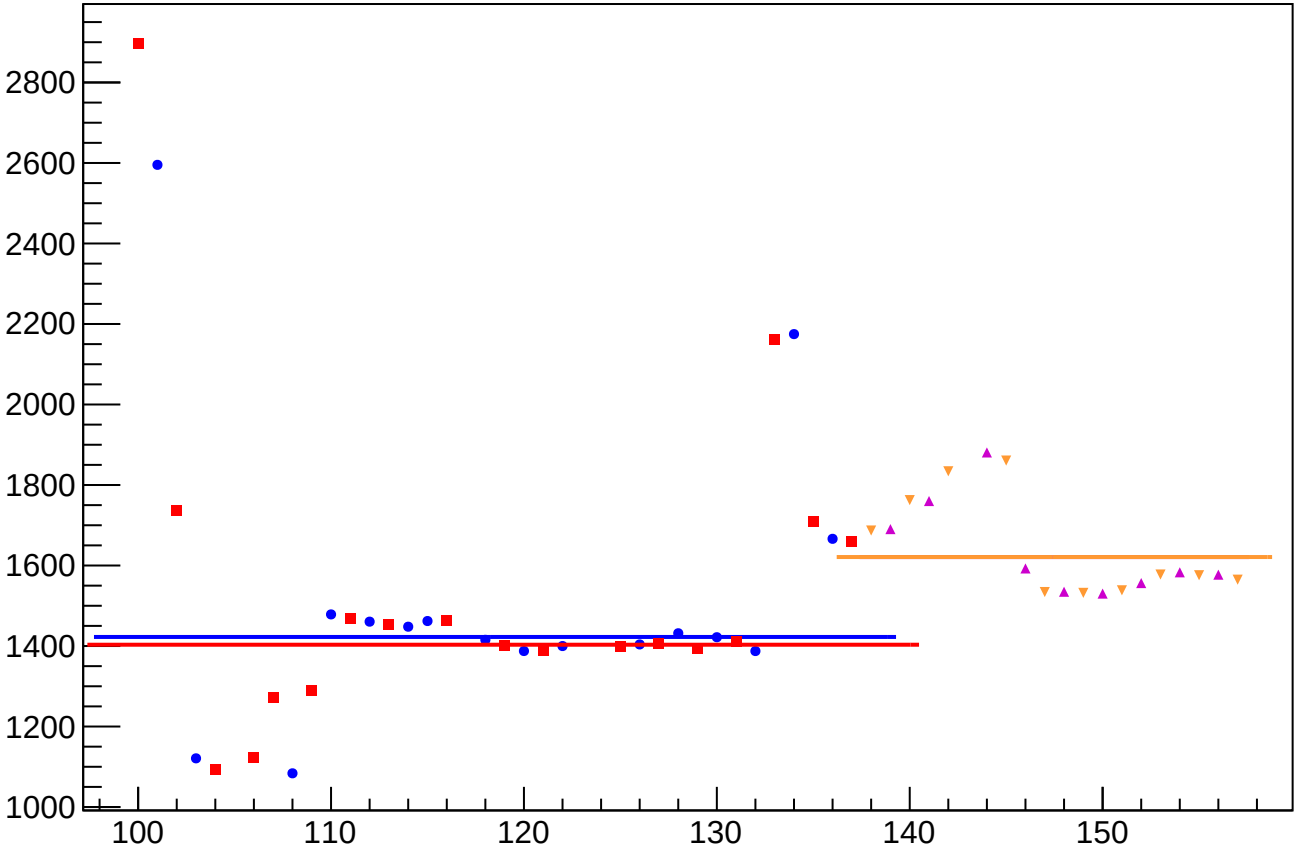
Left In: 205.058+/-580.133 χ^2/NDF:4.6/8

+ sign 175.337+/-394.953 χ^2/NDF: 36.9/25

All: 150.797+/-278.376 χ^2/NDF: 61.9/52

- sign 126.570+/-392.425 χ^2/NDF: 25.0/26

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1621.049+/-0.409 χ^2/NDF:72609.3/9

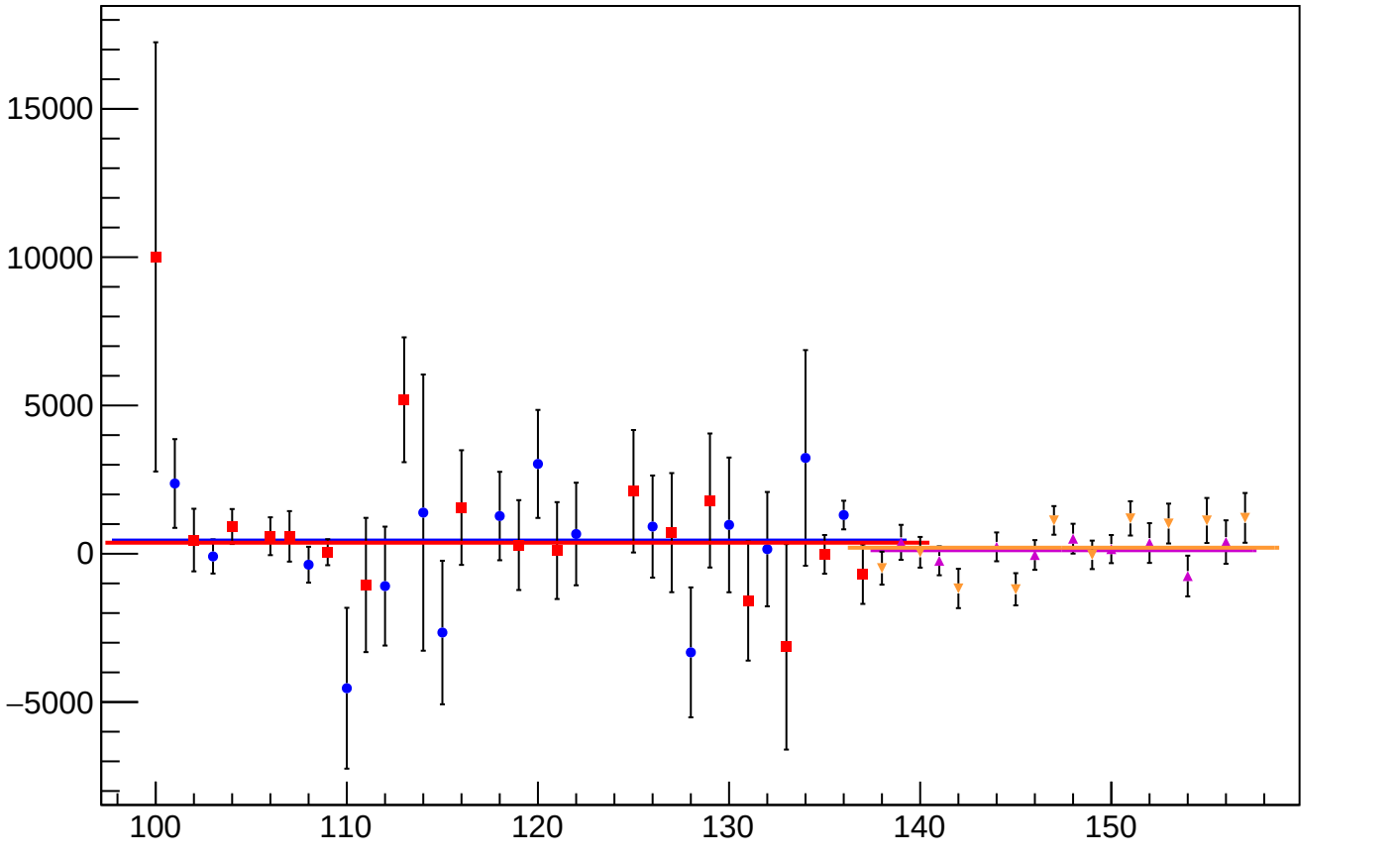
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1620.991+/-0.410 χ^2/NDF:65733.1/8

+ sign 1514.866+/-0.279 χ^2/NDF: 758598.5/25

All: 1508.827+/-0.197 χ^2/NDF: 1337243.7/52

- sign 1502.865+/-0.277 χ^2/NDF: 577716.0/26



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 203.486+/-183.716 χ^2/NDF:23.8/9

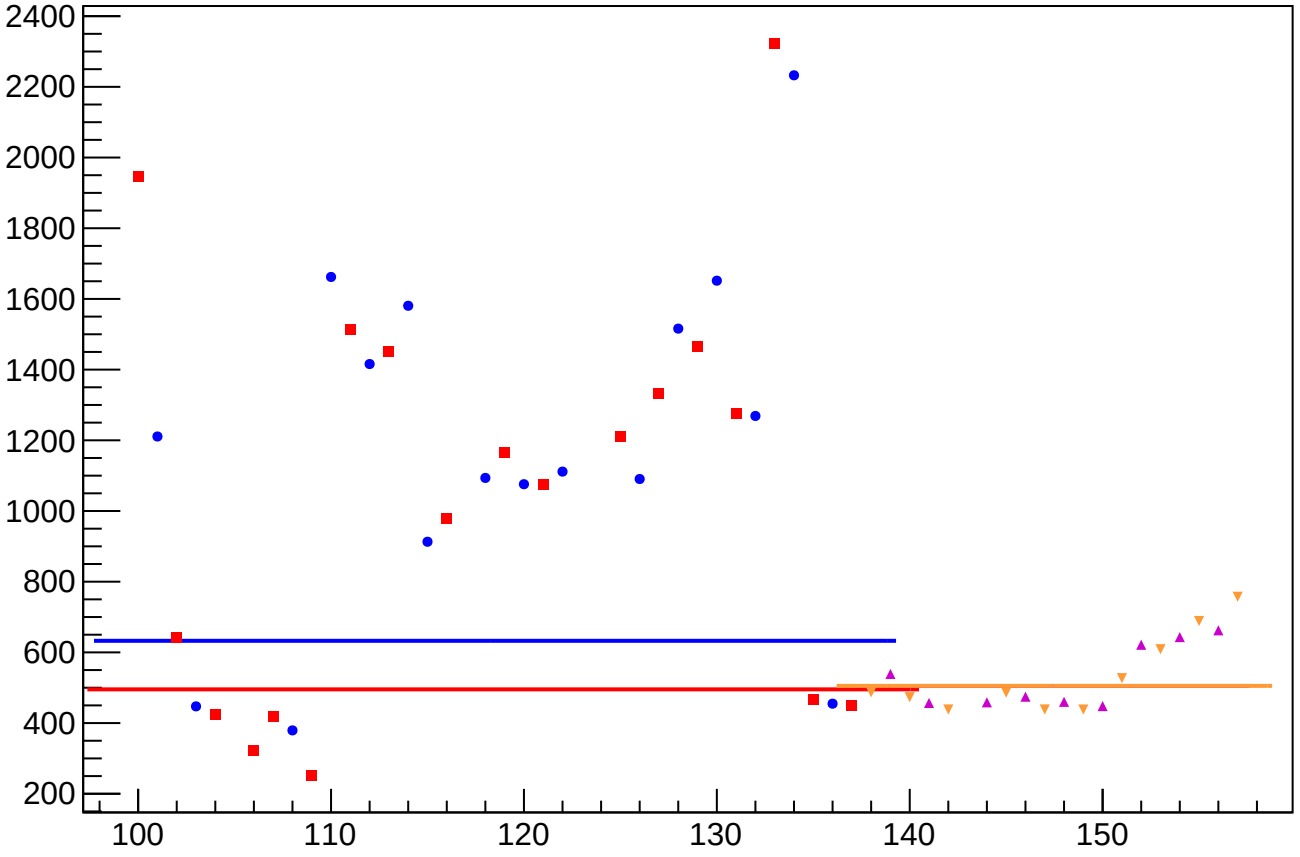
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 119.713+/-182.779 χ^2/NDF:3.4/8

+ sign 278.149+/-152.718 χ^2/NDF: 43.5/25

All: 245.589+/-104.546 χ^2/NDF: 61.7/52

- sign 216.874+/-143.420 χ^2/NDF: 18.1/26



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 505.247+/-0.130 χ^2/NDF:458138.3/9

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

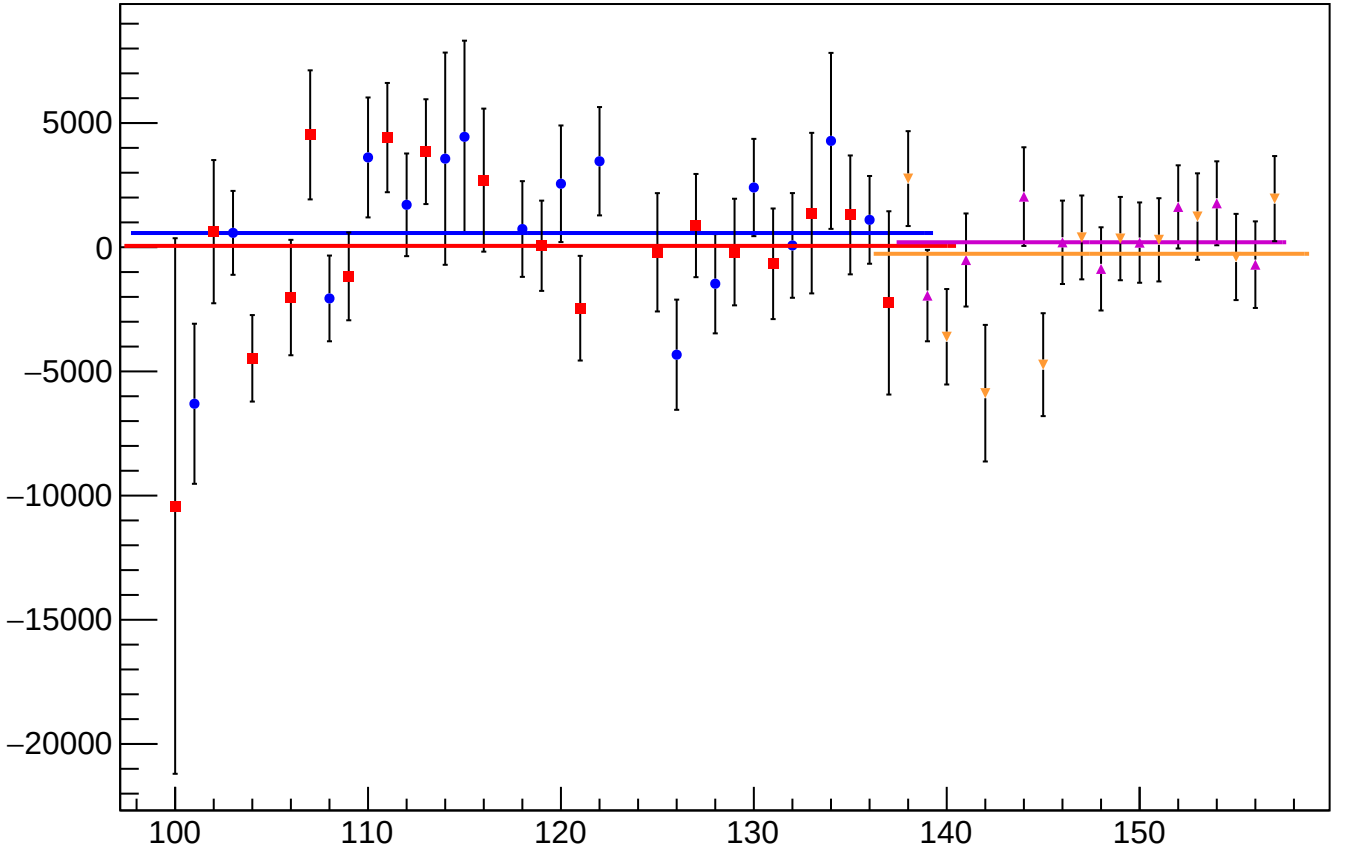
Left In: 504.813+/-0.129 χ^2/NDF:330538.6/8

+ sign 544.645+/-0.108 χ^2/NDF: 4523543.7/25

All: 521.553+/-0.074 χ^2/NDF: 9279666.5/52

- sign 501.188+/-0.101 χ^2/NDF: 4670070.6/26

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -264.134+/-579.763 χ^2/NDF:17.2/9

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

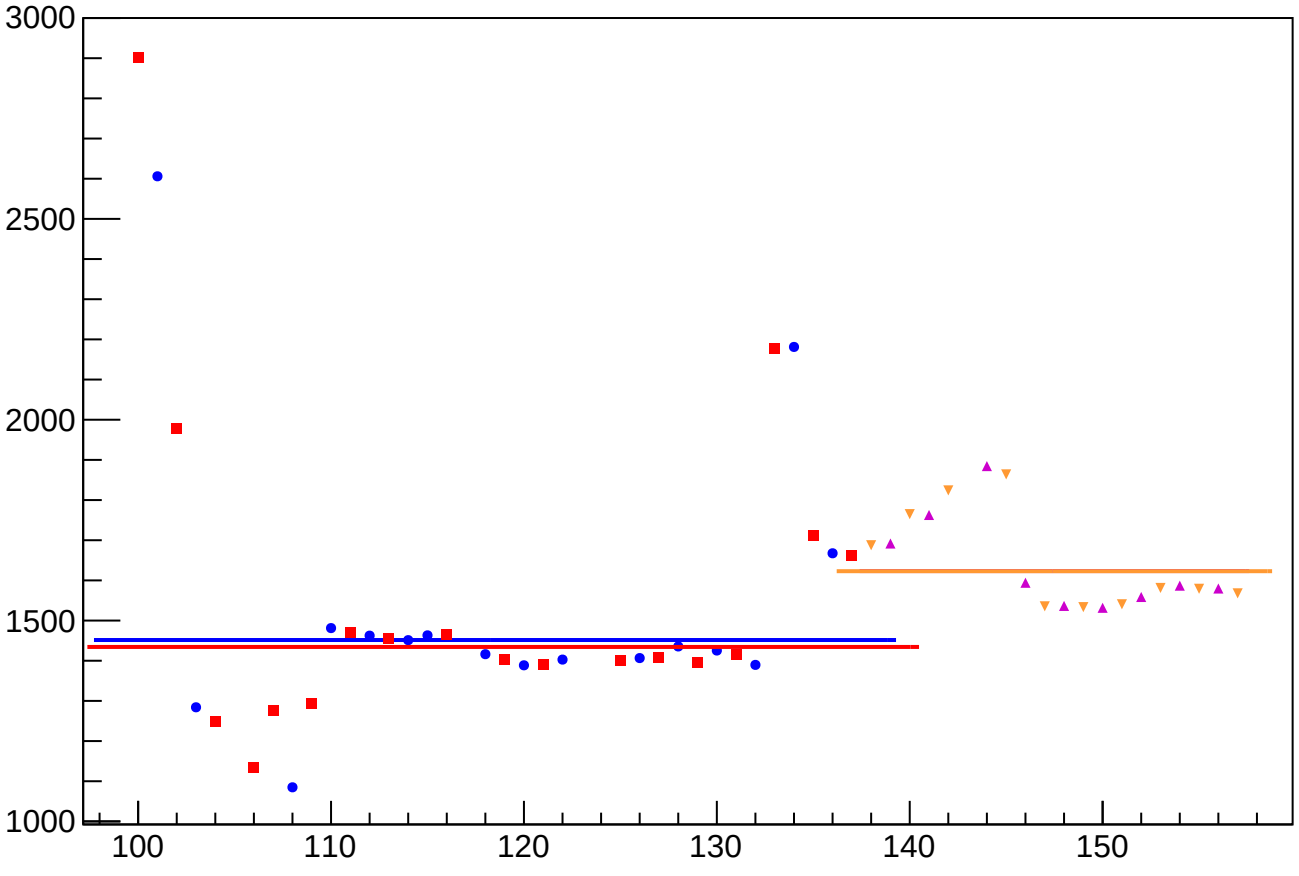
Left In: 200.273+/-580.957 χ^2/NDF:4.6/8

+ sign 176.372+/-398.878 χ^2/NDF: 39.0/25

All: 149.294+/-281.601 χ^2/NDF: 66.2/52

- sign 122.387+/-397.614 χ^2/NDF: 27.2/26

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.5/9

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

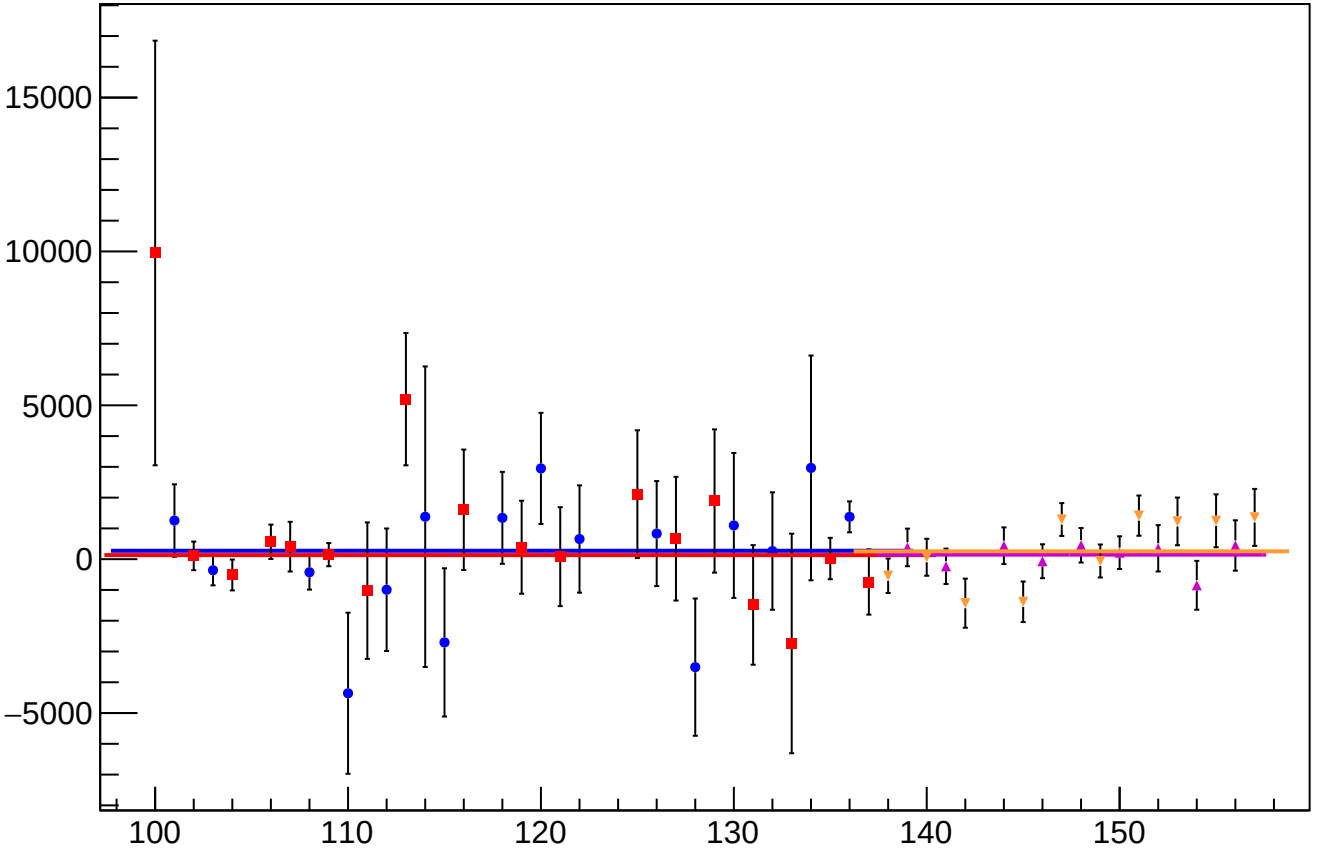
Left In: 1623.268+/-0.411 χ^2/NDF:65992.2/8

+ sign 1532.677+/-0.282 χ^2/NDF: 651190.4/25

All: 1527.737+/-0.199 χ^2/NDF: 1158843.1/52

- sign 1522.828+/-0.281 χ^2/NDF: 507041.1/26

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 255.453+/-206.926 χ^2/NDF:24.3/9

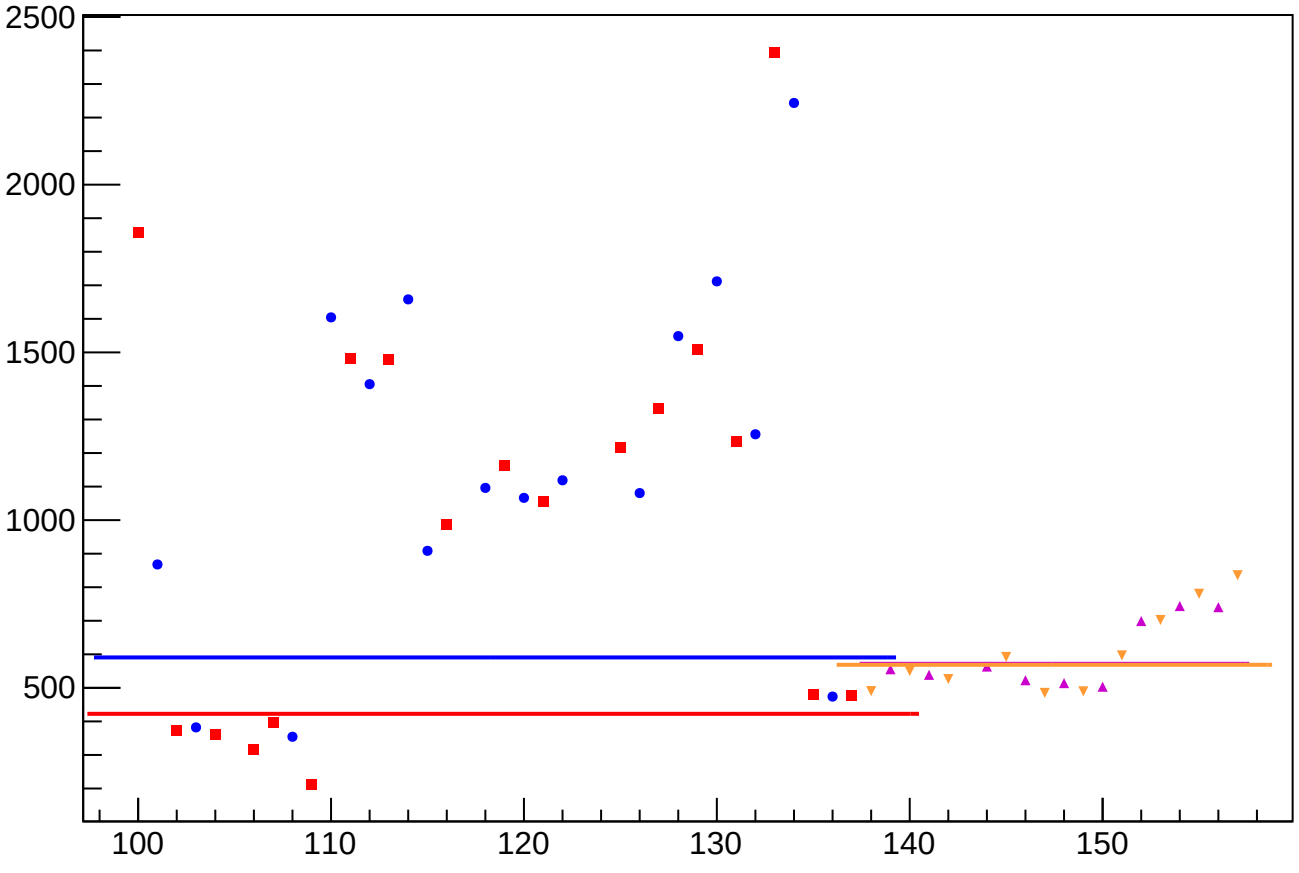
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 147.900+/-206.911 χ^2/NDF:3.1/8

+ sign 262.410+/-162.037 χ^2/NDF: 44.6/25

All: 193.184+/-106.909 χ^2/NDF: 62.4/52

- sign 139.819+/-142.268 χ^2/NDF: 17.5/26



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 568.799+/-0.146 χ^2/NDF:493058.7/9

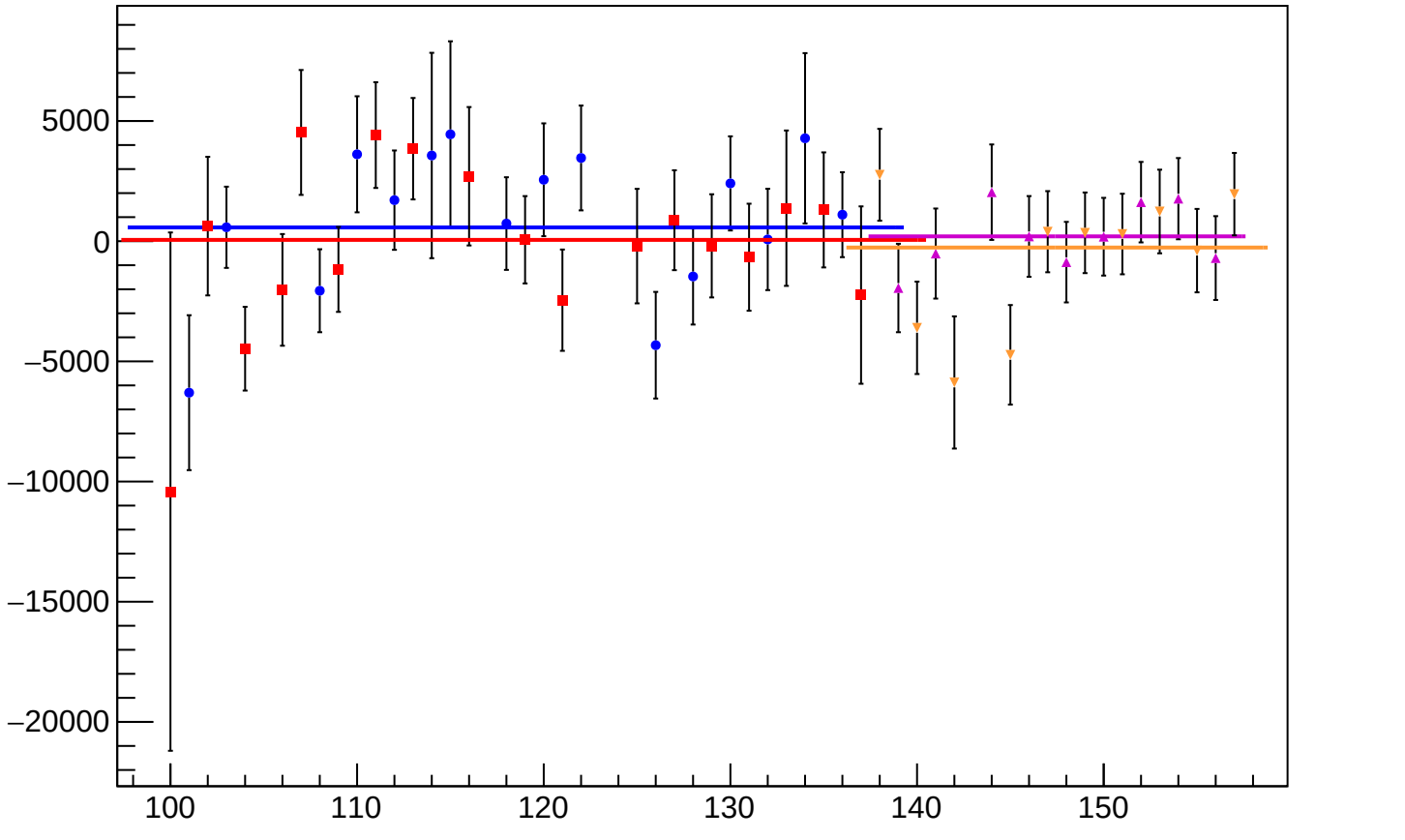
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 571.736+/-0.146 χ^2/NDF:314477.9/8

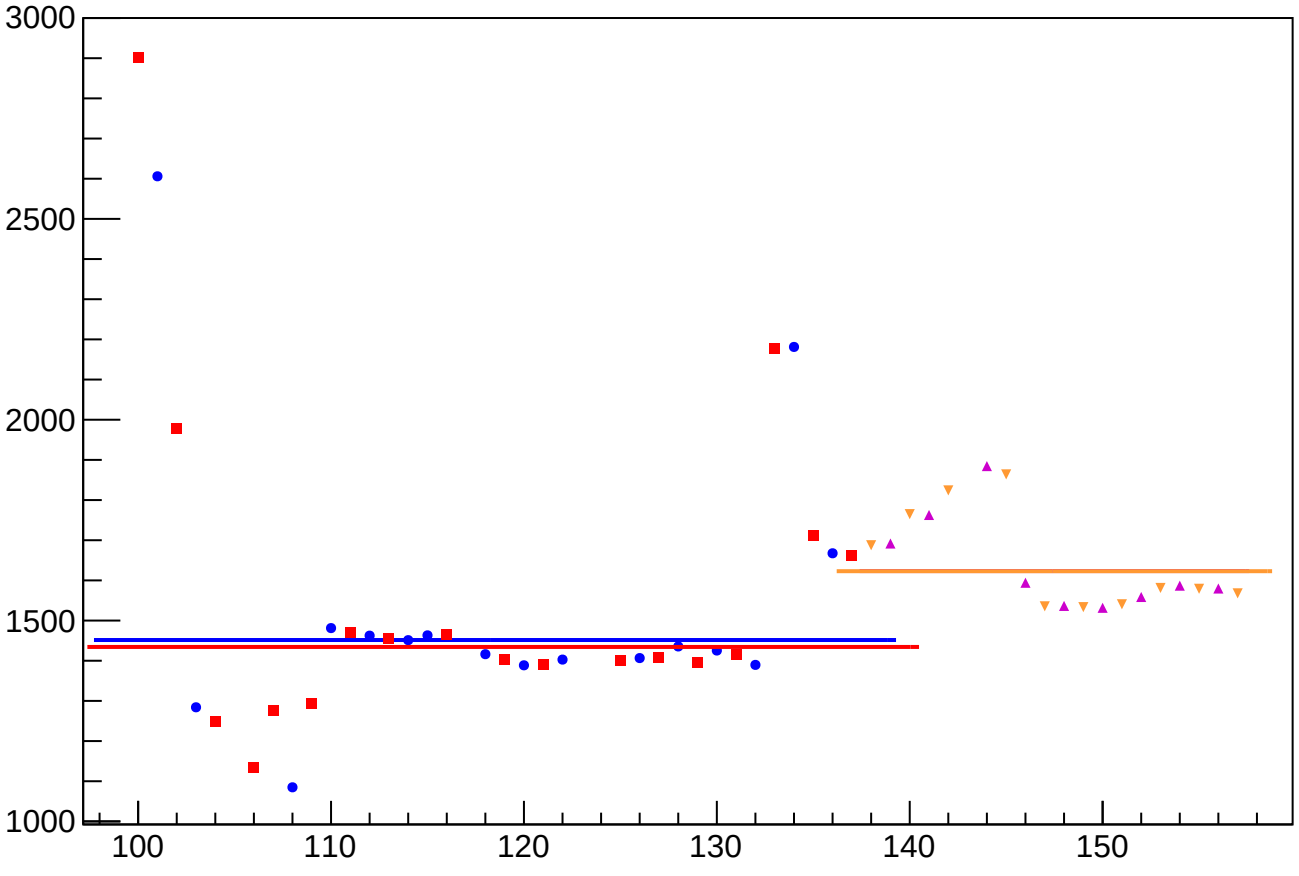
+ sign 577.289+/-0.115 χ^2/NDF: 4387265.4/25

All: 529.761+/-0.076 χ^2/NDF: 10412073.3/52

- sign 493.122+/-0.101 χ^2/NDF: 5720090.3/26


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -264.142+/-579.763 χ²/NDF:17.2/9
Right Out: 53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 200.278+/-580.957 χ²/NDF:4.6/8
+ sign 176.369+/-398.878 χ²/NDF: 39.0/25
All: 149.293+/-281.601 χ²/NDF: 66.2/52
- sign 122.388+/-397.614 χ²/NDF: 27.2/26

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1622.908+/-0.410 χ^2/NDF:71368.6/9

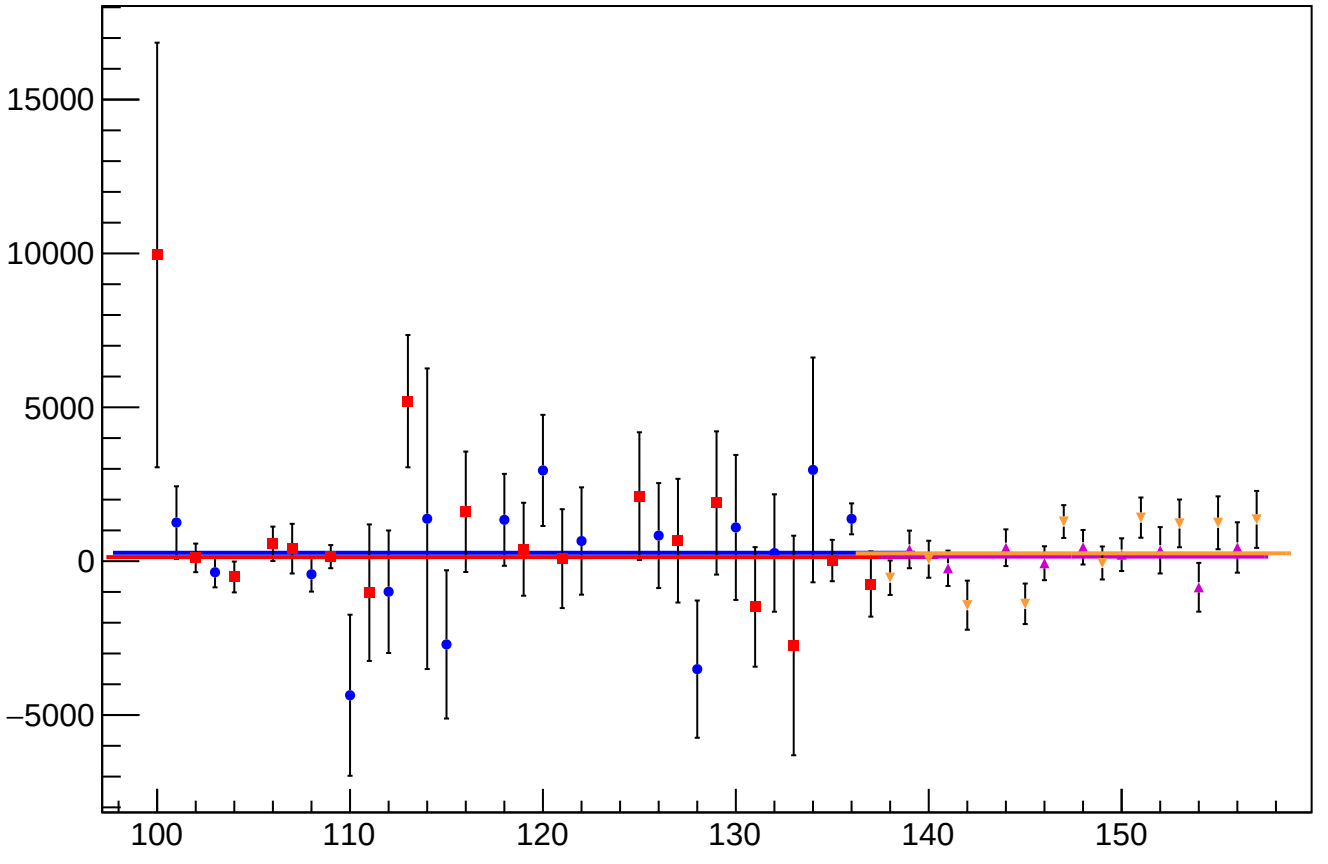
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1623.268+/-0.411 χ^2/NDF:65992.3/8

+ sign 1532.677+/-0.282 χ^2/NDF: 651190.1/25

All: 1527.737+/-0.199 χ^2/NDF: 1158843.2/52

- sign 1522.828+/-0.281 χ^2/NDF: 507041.4/26



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 255.461+/-206.927 χ^2/NDF:24.3/9

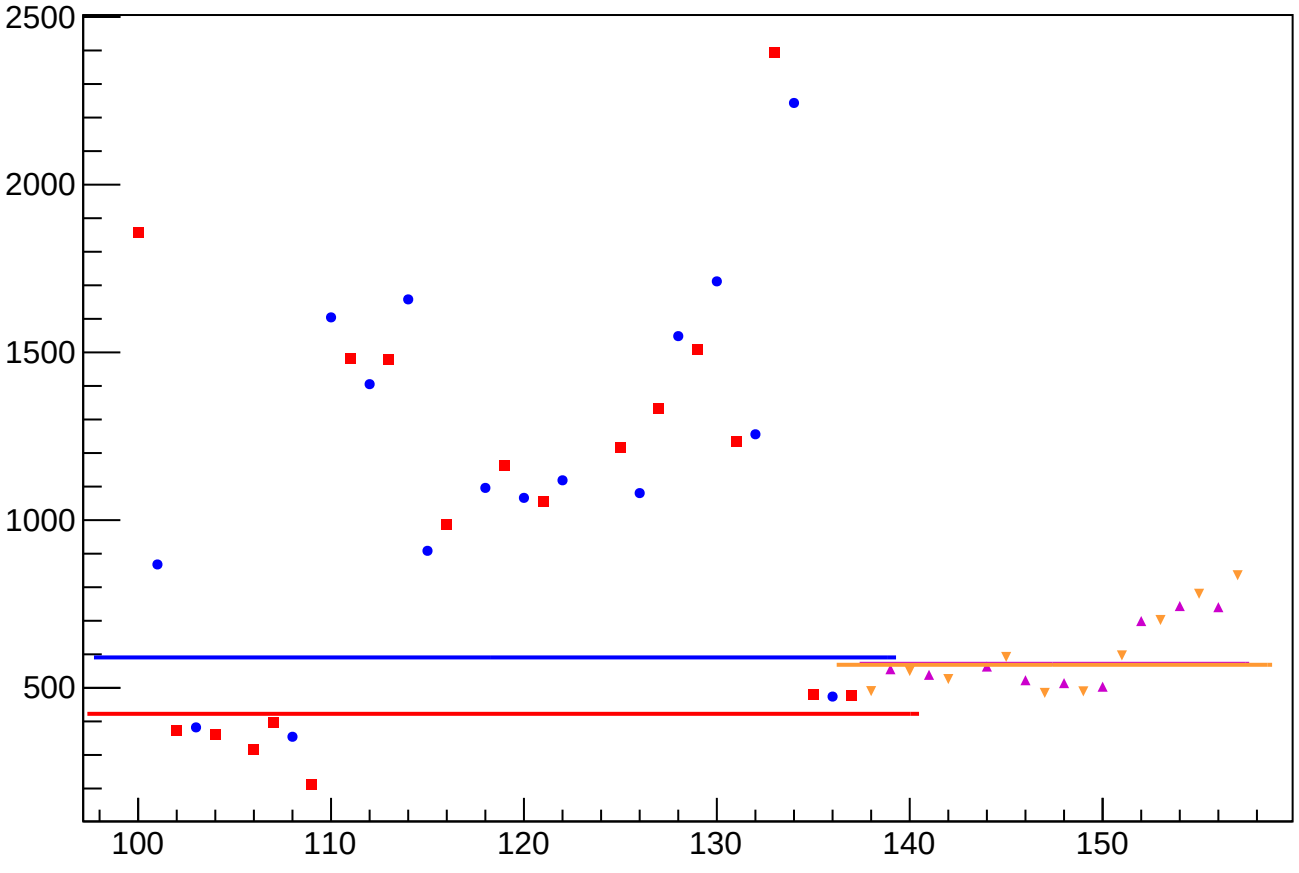
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 147.906+/-206.912 χ^2/NDF:3.1/8

+ sign 262.411+/-162.038 χ^2/NDF: 44.6/25

All: 193.185+/-106.909 χ^2/NDF: 62.4/52

- sign 139.819+/-142.269 χ^2/NDF: 17.5/26



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 568.803+/-0.146 χ^2/NDF:493057.8/9

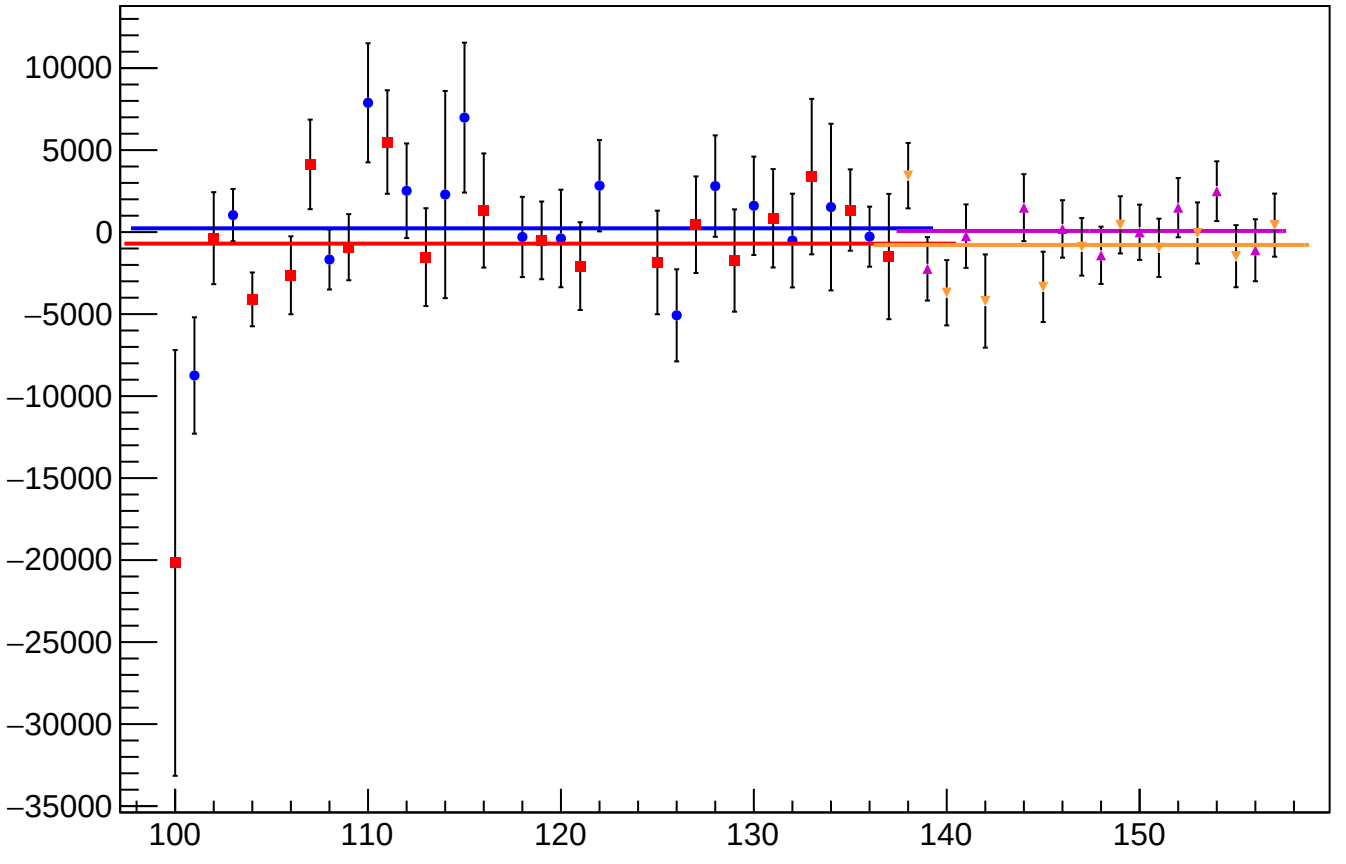
Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 571.737+/-0.146 χ^2/NDF:314504.9/8

+ sign 577.291+/-0.115 χ^2/NDF: 4387288.1/25

All: 529.764+/-0.076 χ^2/NDF: 10411986.9/52

- sign 493.126+/-0.101 χ^2/NDF: 5719998.3/26



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -781.769+/-614.002 χ^2/NDF:10.7/9

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

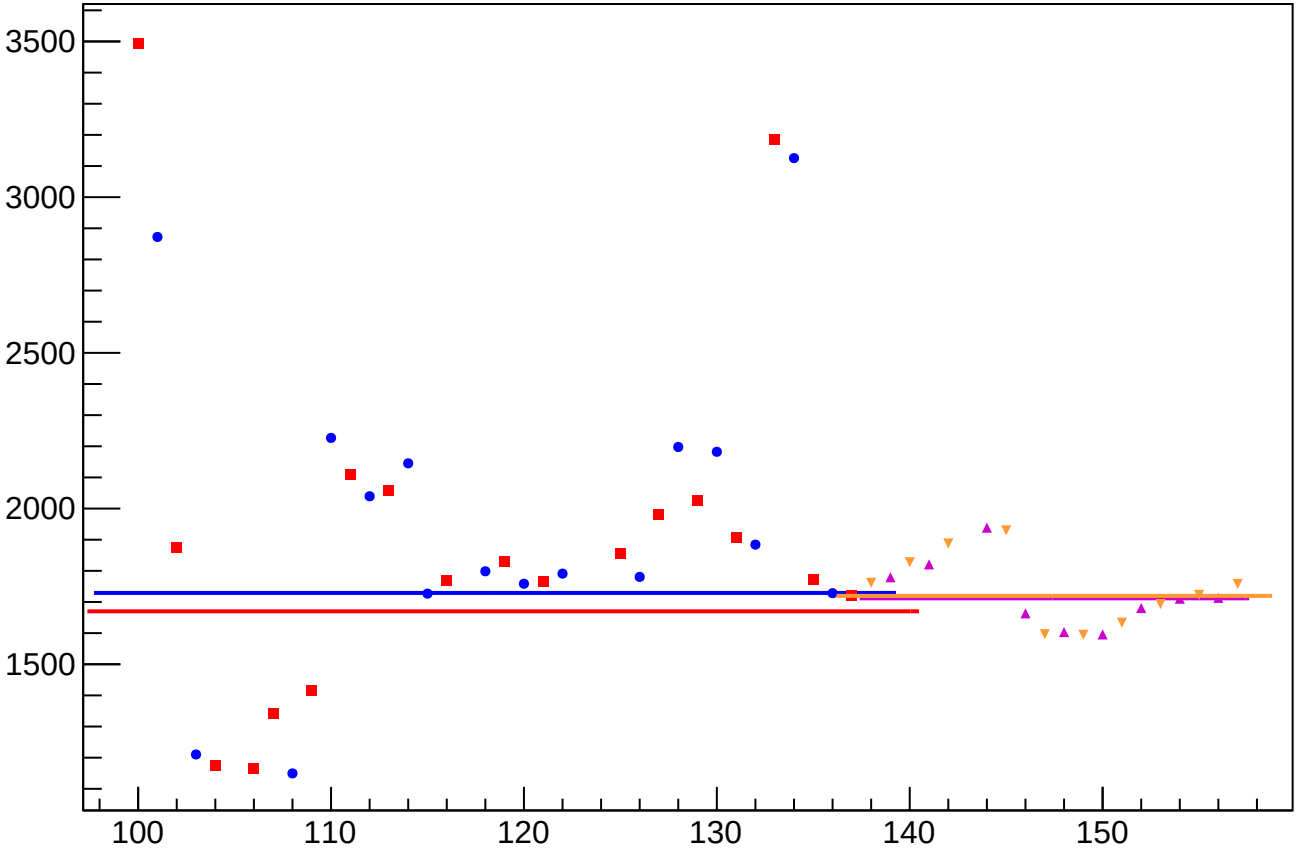
Left In: 70.900+/-612.353 χ^2/NDF:5.4/8

\+ sign -316.751+/-451.505 χ^2/NDF: 32.7/25

All: -305.034+/-316.999 χ^2/NDF: 55.9/52

\- sign -293.644+/-445.171 χ^2/NDF: 23.2/26

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1719.572+/-0.434 χ^2/NDF:59077.4/9

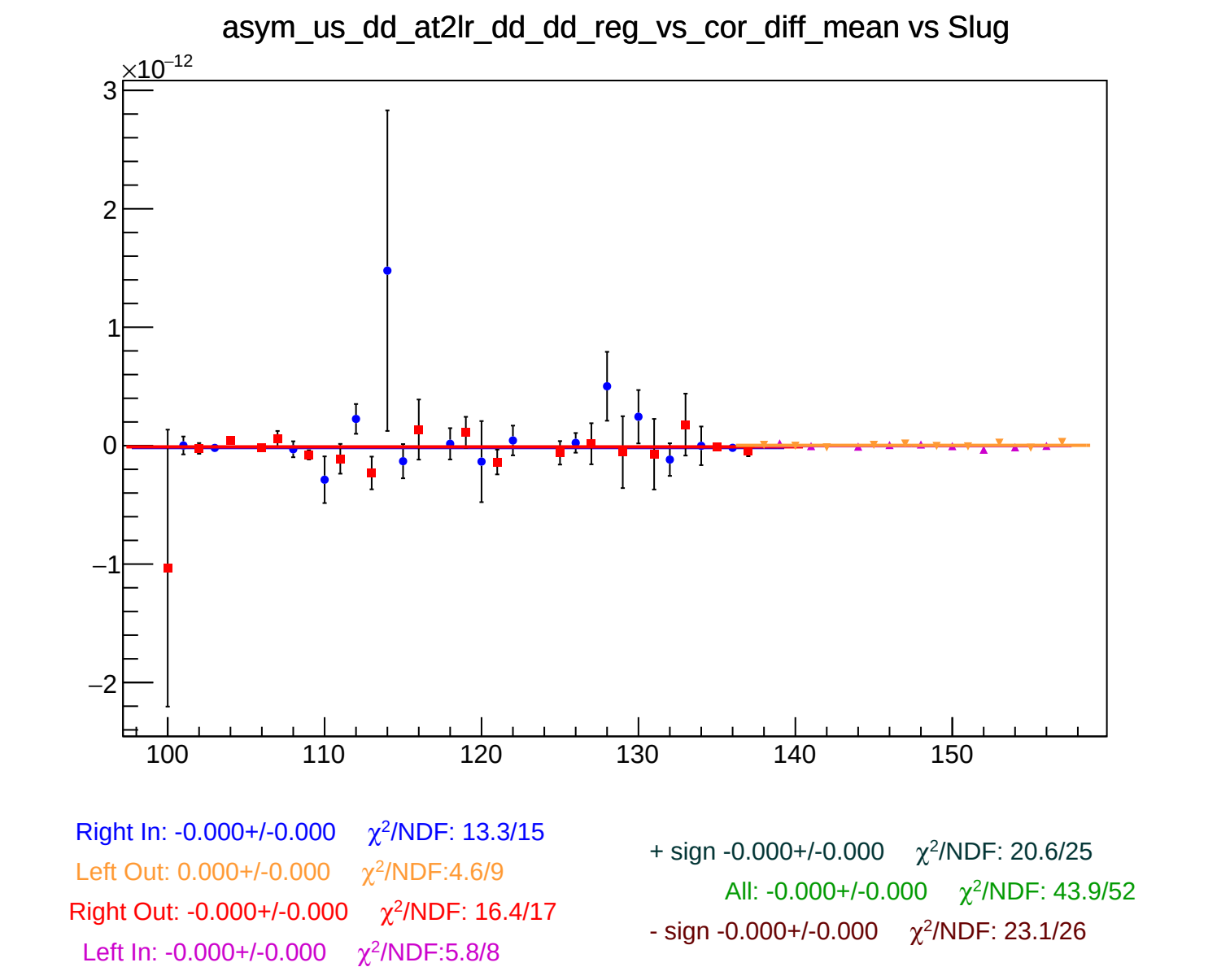
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

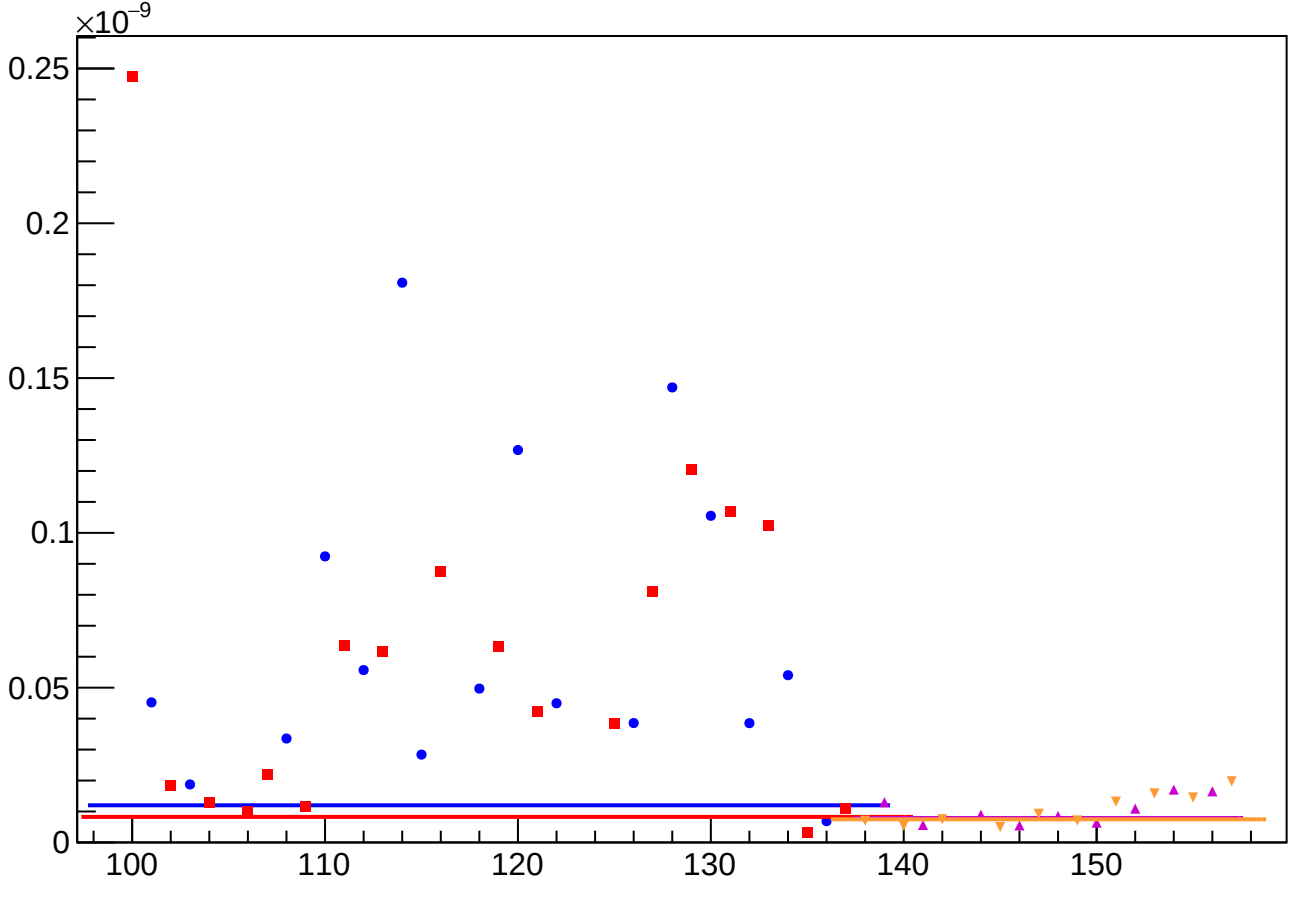
Left In: 1711.731+/-0.433 χ^2/NDF:52724.1/8

+ sign 1723.925+/-0.319 χ^2/NDF: 1001375.4/25

All: 1707.778+/-0.224 χ^2/NDF: 1807963.5/52

- sign 1692.081+/-0.315 χ^2/NDF: 801543.7/26


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:5.8/8
+ sign -0.000+/-0.000 χ²/NDF: 20.6/25
All: -0.000+/-0.000 χ²/NDF: 43.9/52
- sign -0.000+/-0.000 χ²/NDF: 23.1/26



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050833.1/9

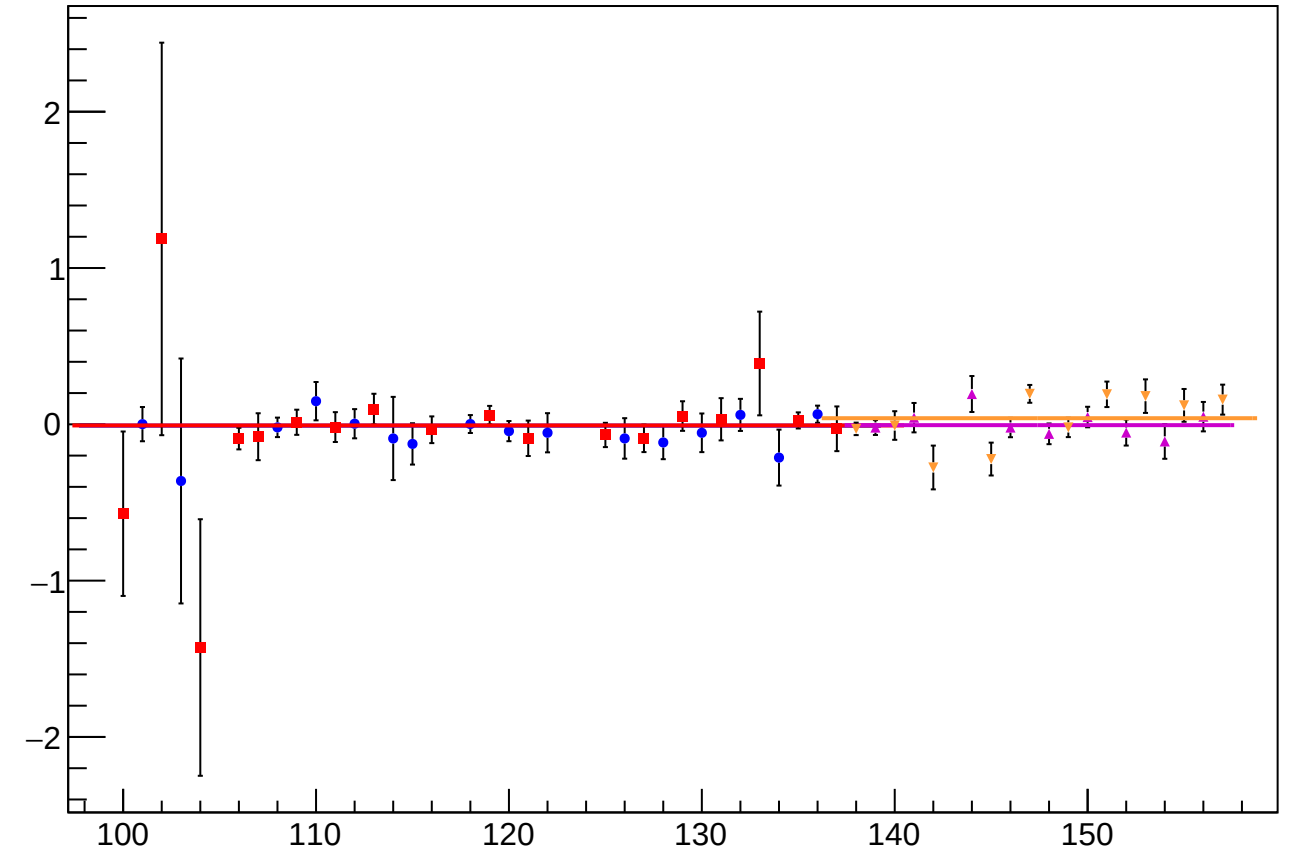
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:867440.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 4800855.7/25

All: 0.000+/-0.000 χ^2/NDF: 9184716.5/52

- sign 0.000+/-0.000 χ^2/NDF: 4380081.4/26



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

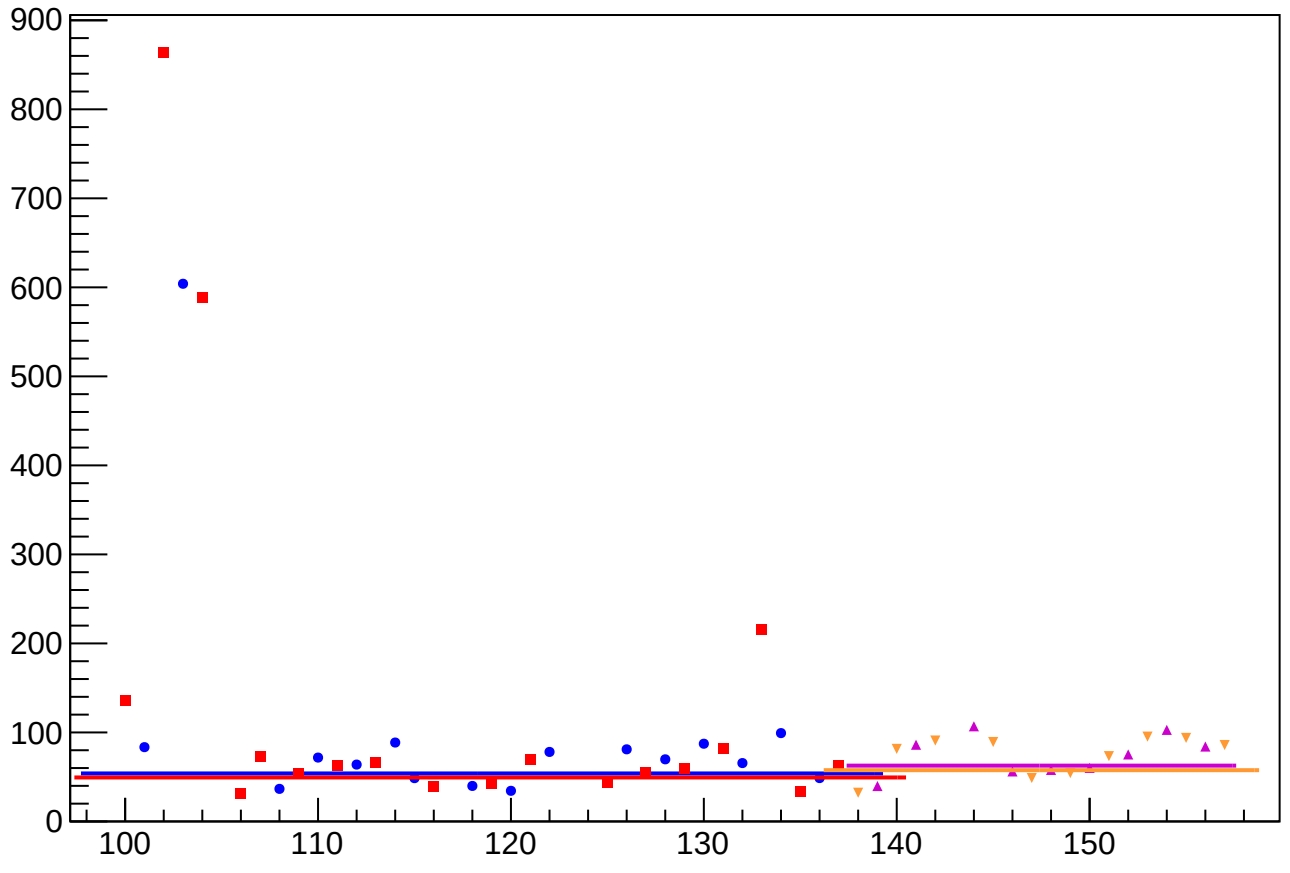
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.024 χ^2/NDF:6.3/8

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.005+/-0.012 χ^2/NDF: 61.5/52

- sign -0.006+/-0.016 χ^2/NDF: 20.0/26



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.594+/-0.016 χ^2/NDF:2023377.0/9

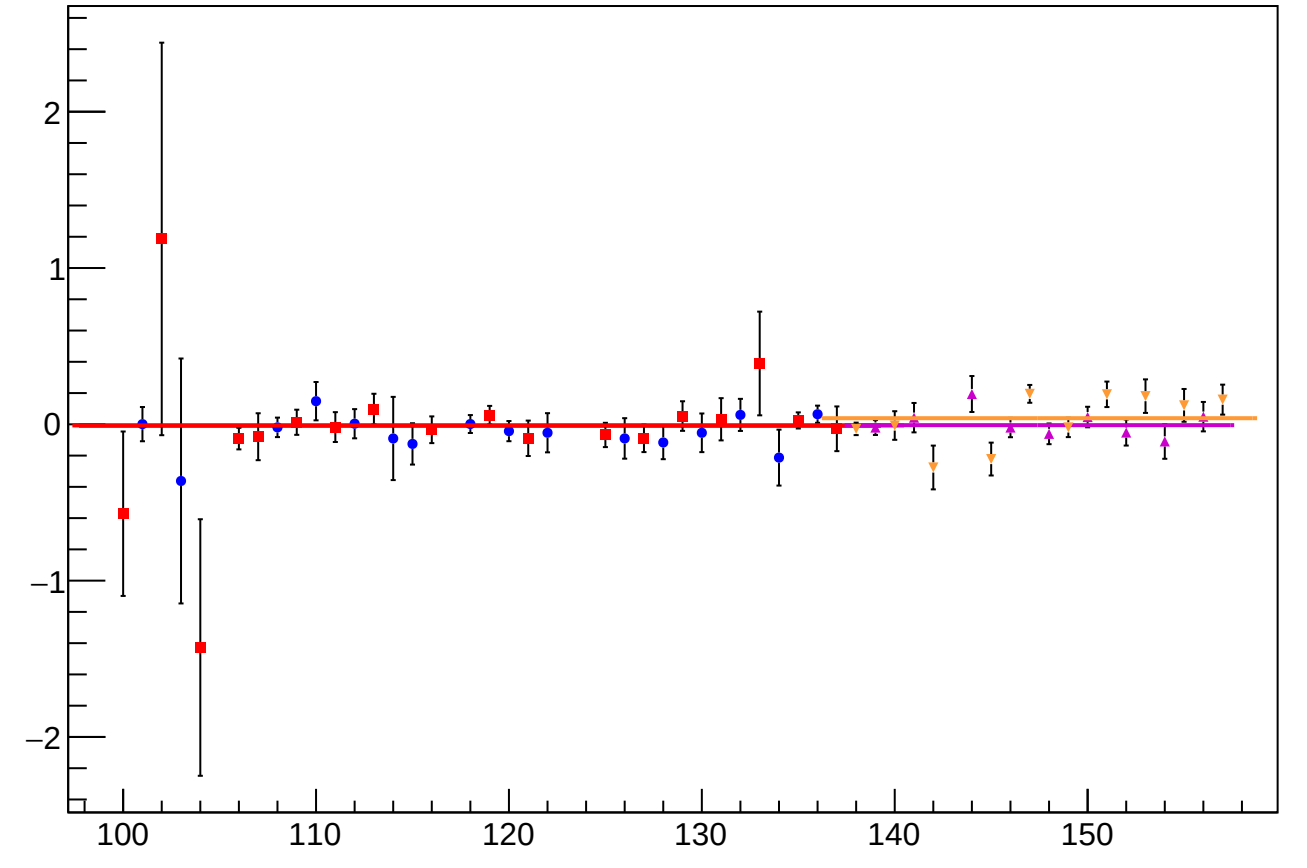
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 62.703+/-0.017 χ^2/NDF:1328927.3/8

+ sign 55.770+/-0.012 χ^2/NDF: 4263064.6/25

All: 55.616+/-0.008 χ^2/NDF: 8934951.3/52

- sign 55.459+/-0.012 χ^2/NDF: 4671524.6/26



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

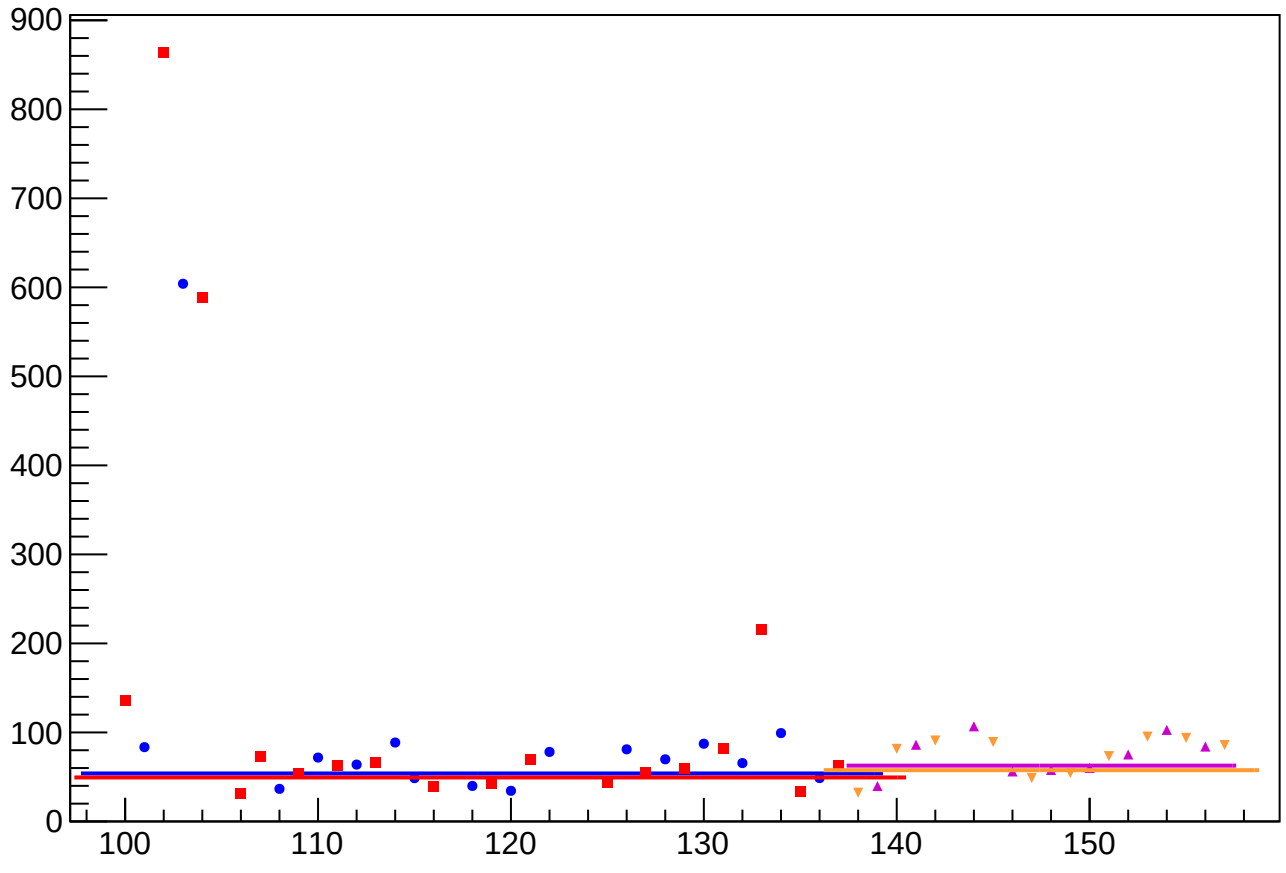
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.024 χ^2/NDF:6.3/8

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.005+/-0.012 χ^2/NDF: 61.5/52

- sign -0.006+/-0.016 χ^2/NDF: 20.0/26



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 57.594+/-0.016 χ^2/NDF:2023377.0/9

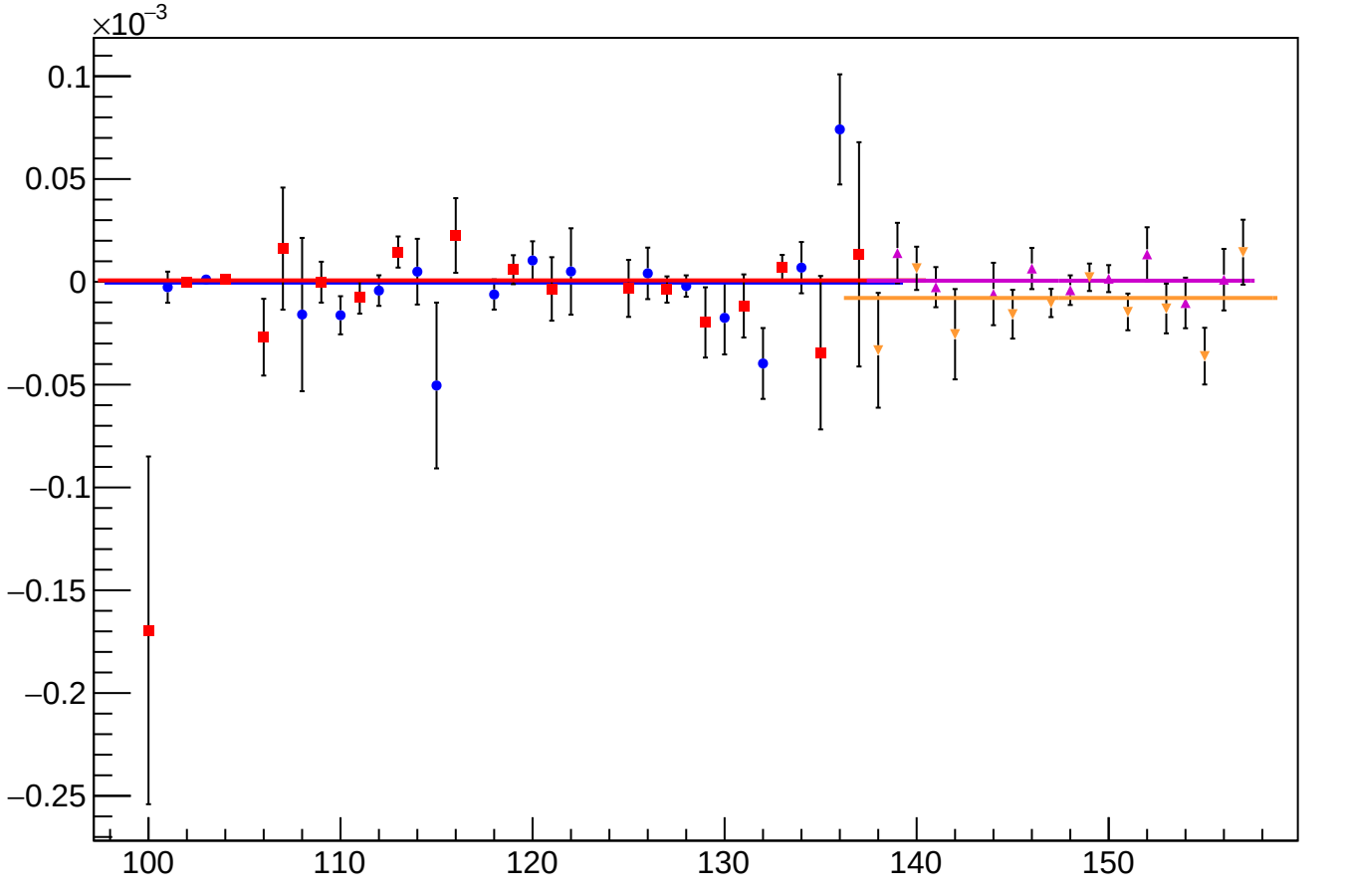
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 62.703+/-0.017 χ^2/NDF:1328927.3/8

+ sign 55.770+/-0.012 χ^2/NDF: 4263064.6/25

All: 55.616+/-0.008 χ^2/NDF: 8934951.3/52

- sign 55.459+/-0.012 χ^2/NDF: 4671524.6/26



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/9

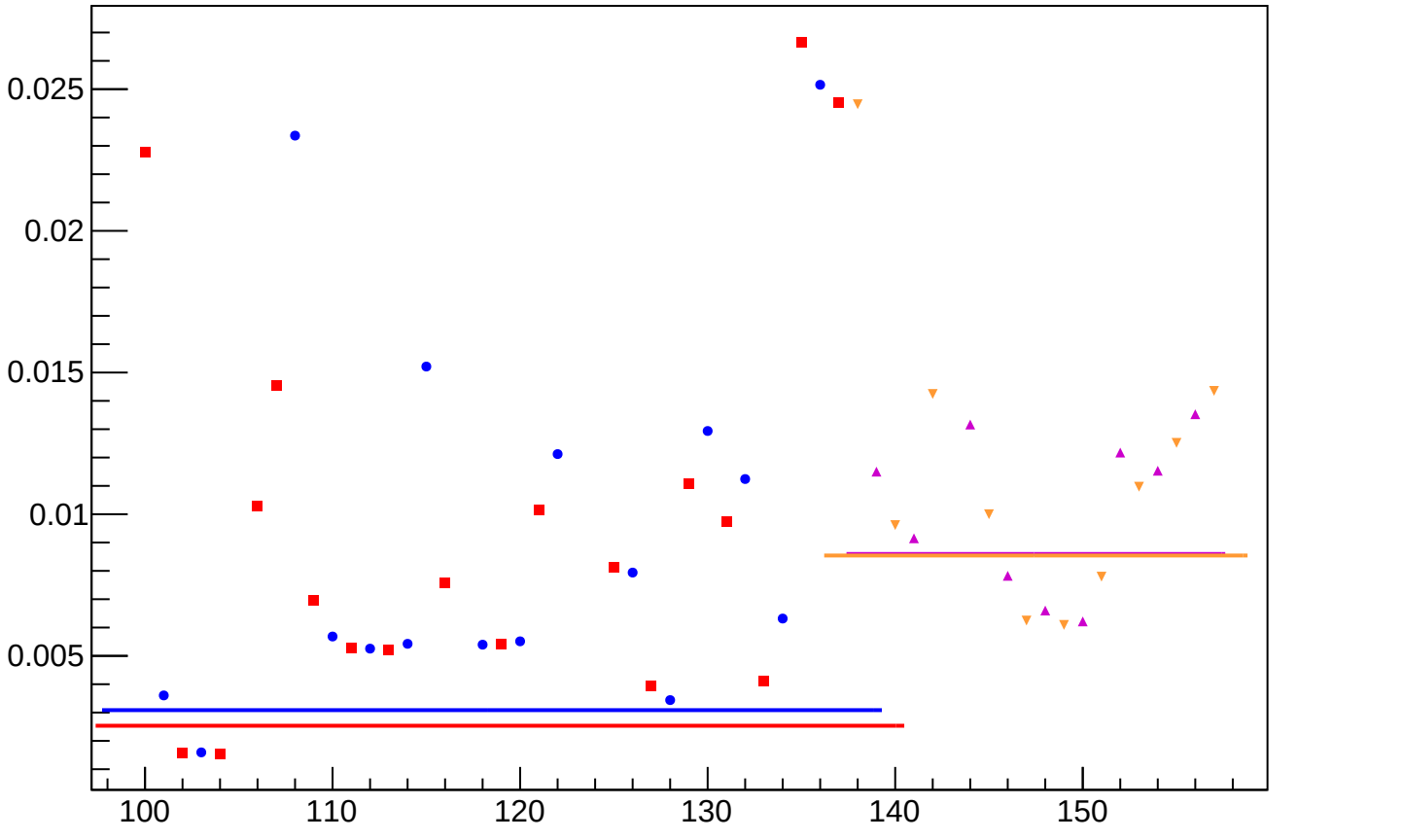
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/25

All: -0.000+/-0.000 χ^2/NDF: 62.7/52

- sign 0.000+/-0.000 χ^2/NDF: 21.5/26



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1861111.6/9

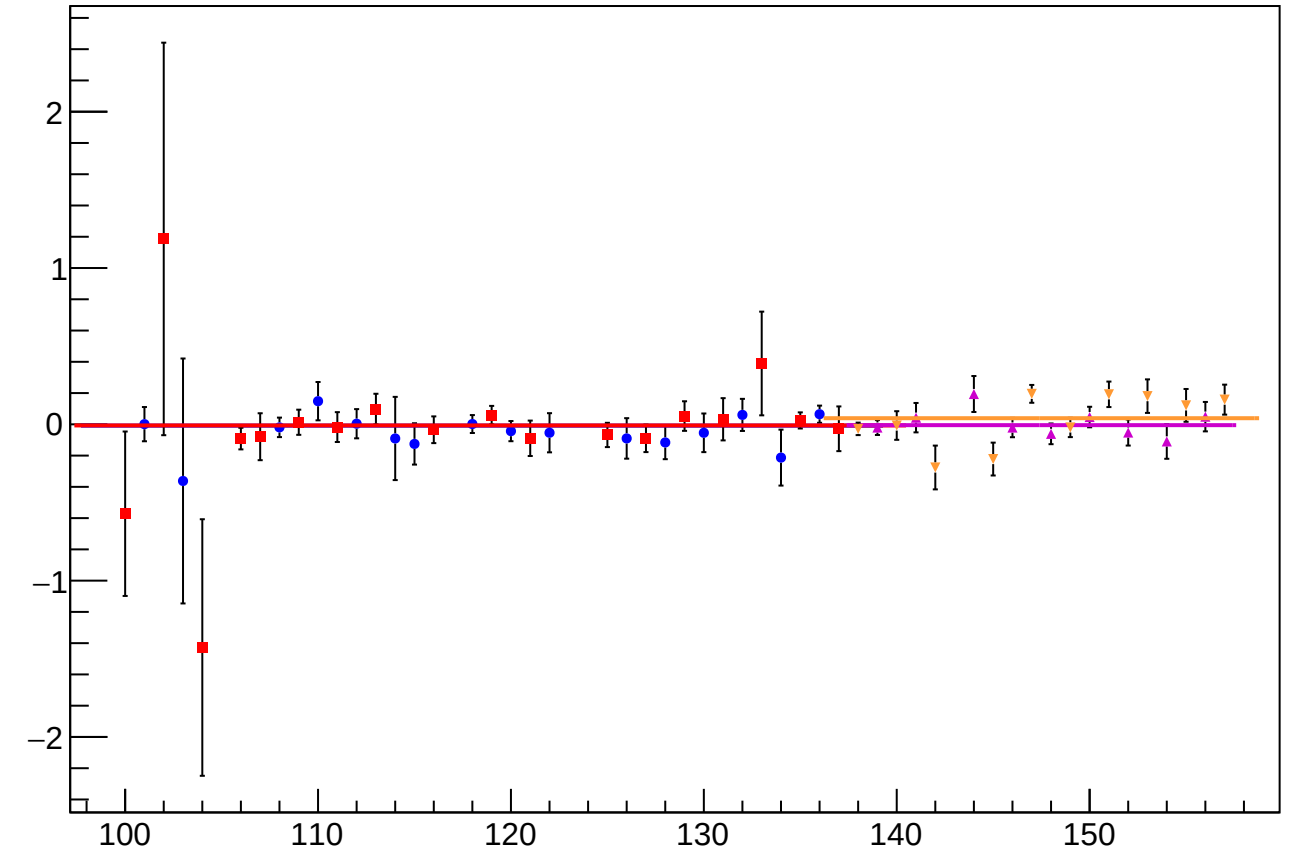
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1172779.1/8

+ sign 0.004+/-0.000 χ^2/NDF: 12047524.9/25

All: 0.004+/-0.000 χ^2/NDF: 25574626.9/52

- sign 0.003+/-0.000 χ^2/NDF: 13114058.8/26



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

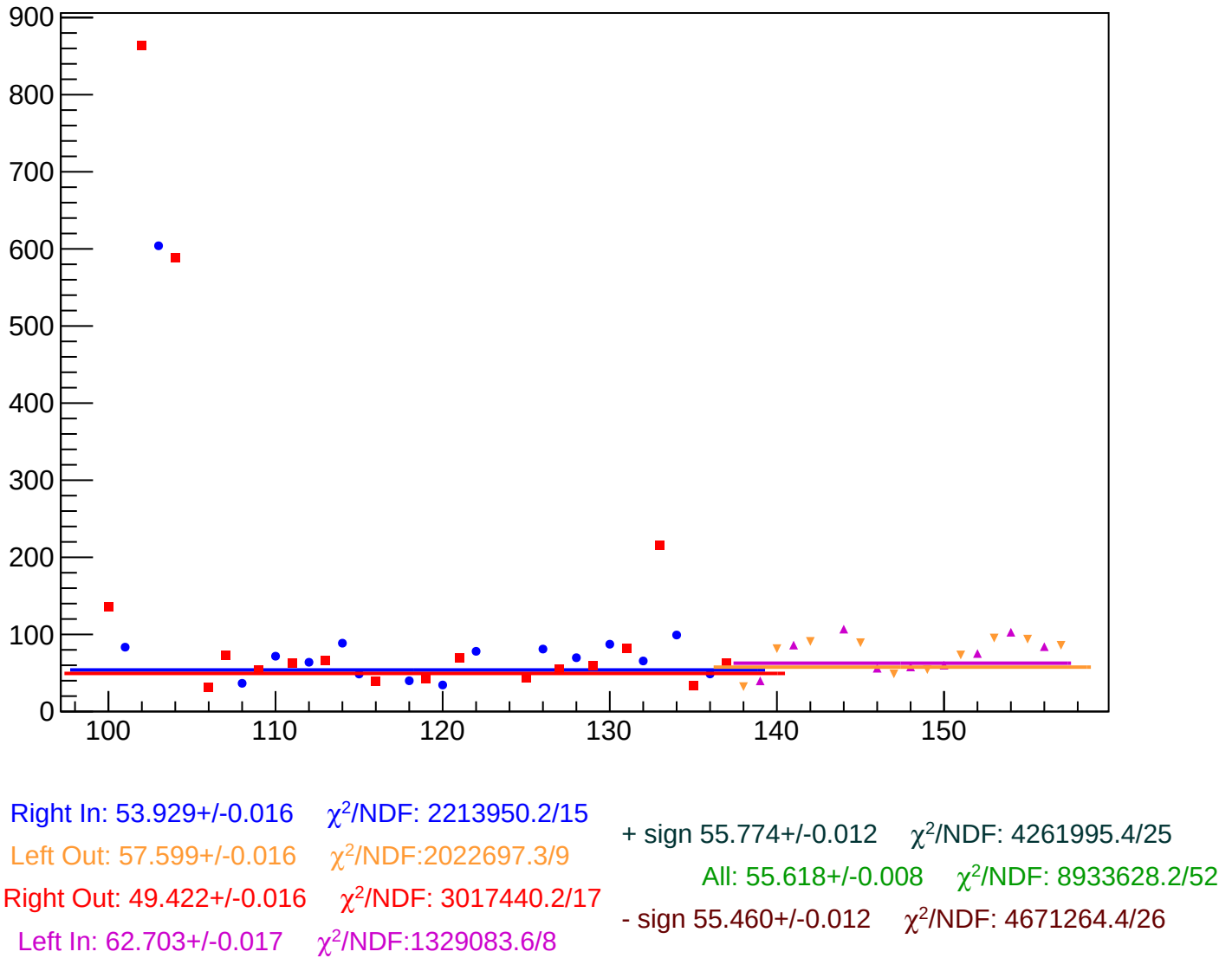
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

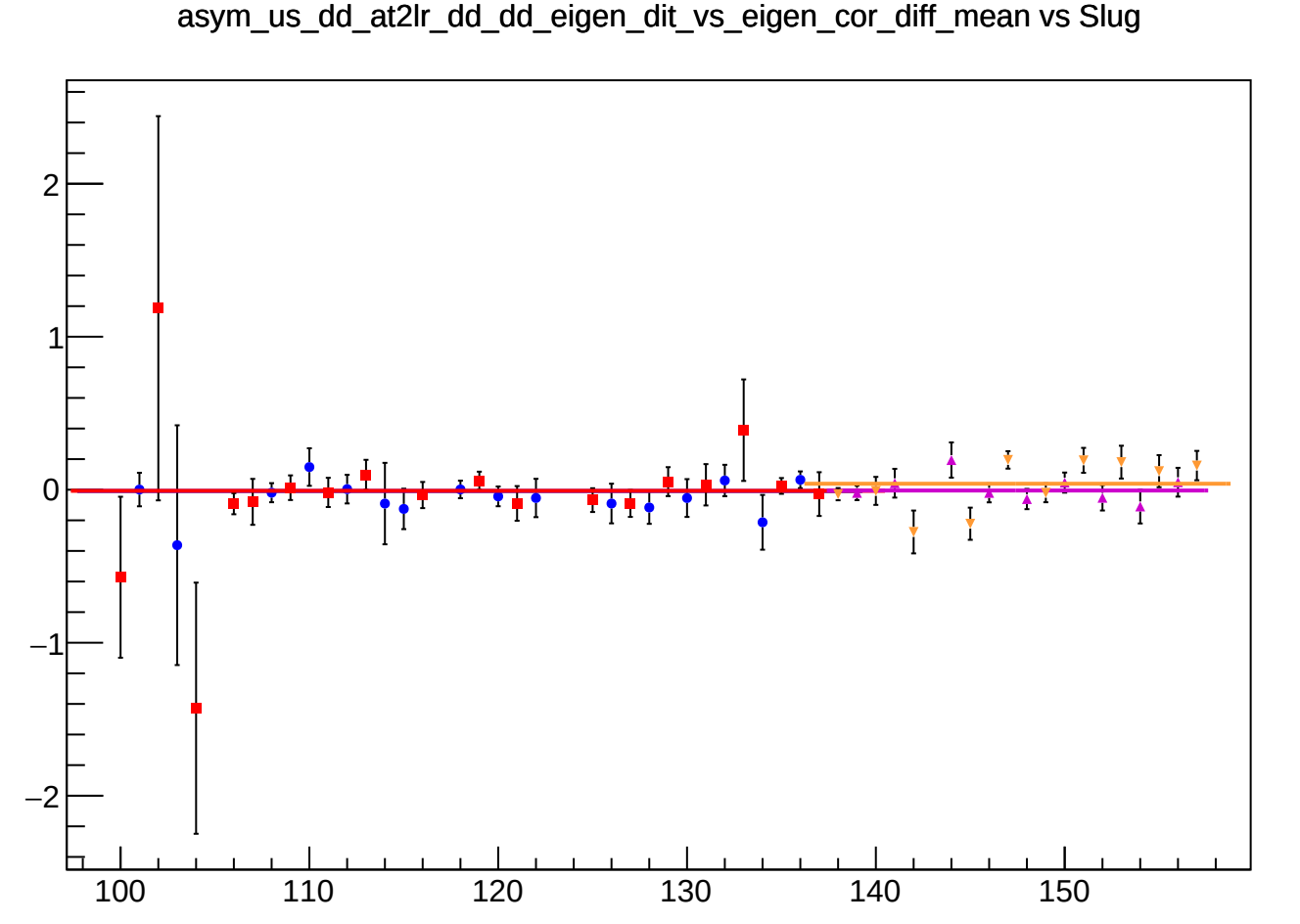
Left In: -0.005+/-0.024 χ^2/NDF:6.3/8

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.005+/-0.012 χ^2/NDF: 61.5/52

- sign -0.006+/-0.016 χ^2/NDF: 20.0/26


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
Right In: 53.929+/-0.016 χ²/NDF: 2213950.2/15
Left Out: 57.599+/-0.016 χ²/NDF:2022697.3/9
Right Out: 49.422+/-0.016 χ²/NDF: 3017440.2/17
Left In: 62.703+/-0.017 χ²/NDF:1329083.6/8
+ sign 55.774+/-0.012 χ²/NDF: 4261995.4/25
All: 55.618+/-0.008 χ²/NDF: 8933628.2/52
- sign 55.460+/-0.012 χ²/NDF: 4671264.4/26



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.039+/-0.023 χ^2/NDF:30.2/9

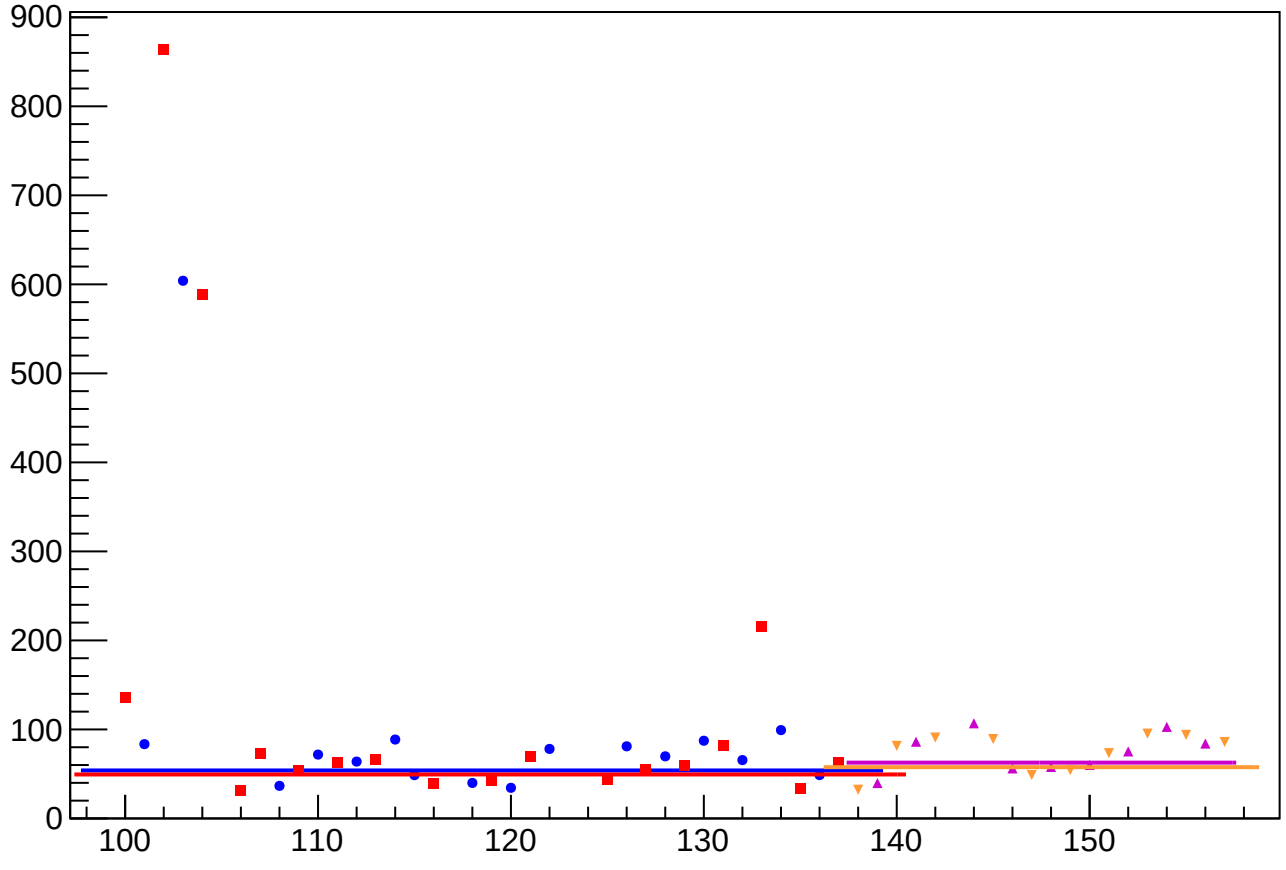
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.024 χ^2/NDF:6.3/8

+ sign 0.016+/-0.016 χ^2/NDF: 40.6/25

All: 0.005+/-0.012 χ^2/NDF: 61.5/52

- sign -0.006+/-0.016 χ^2/NDF: 20.0/26



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 57.599+/-0.016 χ^2/NDF:2022697.3/9

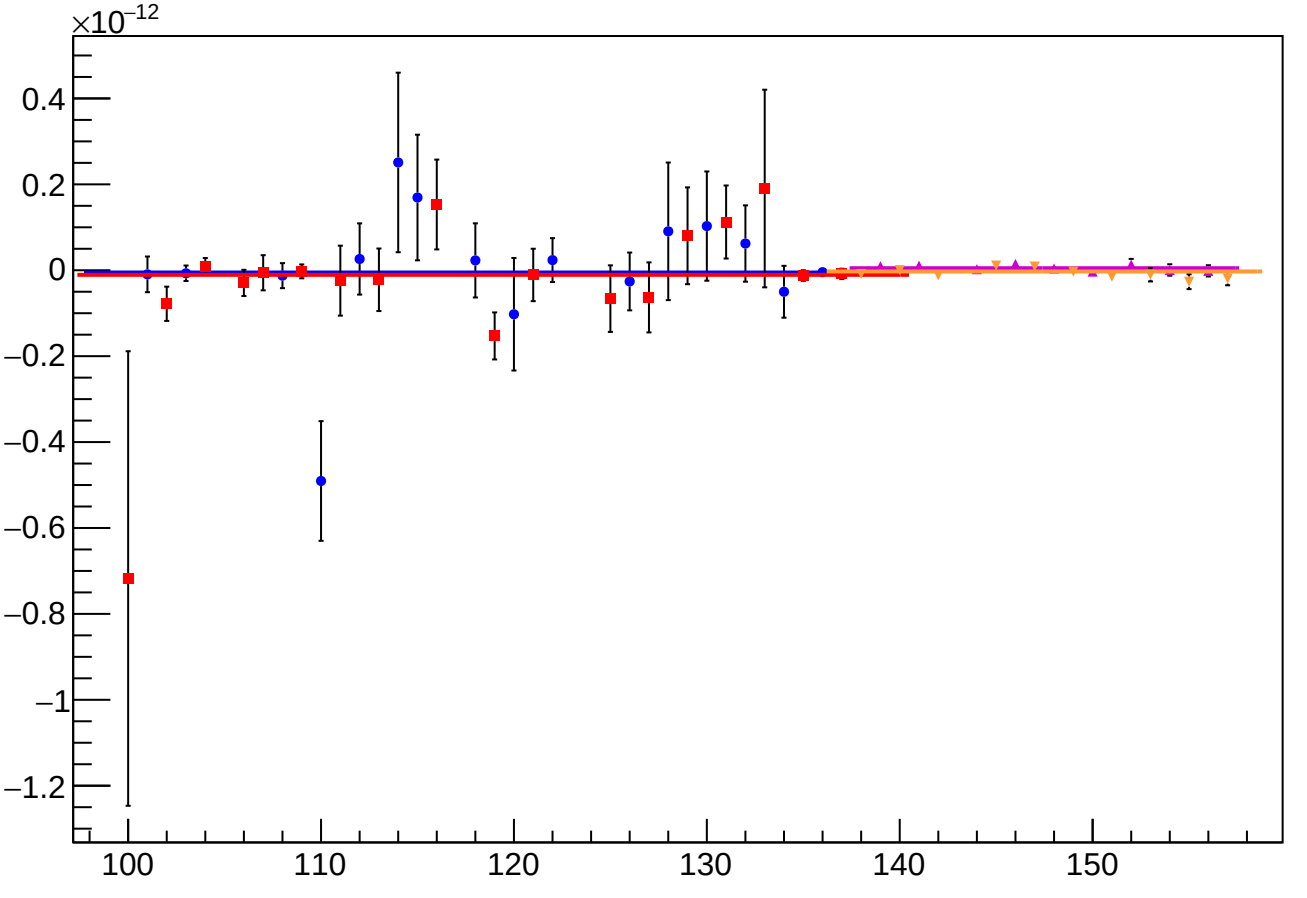
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 62.703+/-0.017 χ^2/NDF:1329083.6/8

+ sign 55.774+/-0.012 χ^2/NDF: 4261995.4/25

All: 55.618+/-0.008 χ^2/NDF: 8933628.2/52

- sign 55.460+/-0.012 χ^2/NDF: 4671264.4/26



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

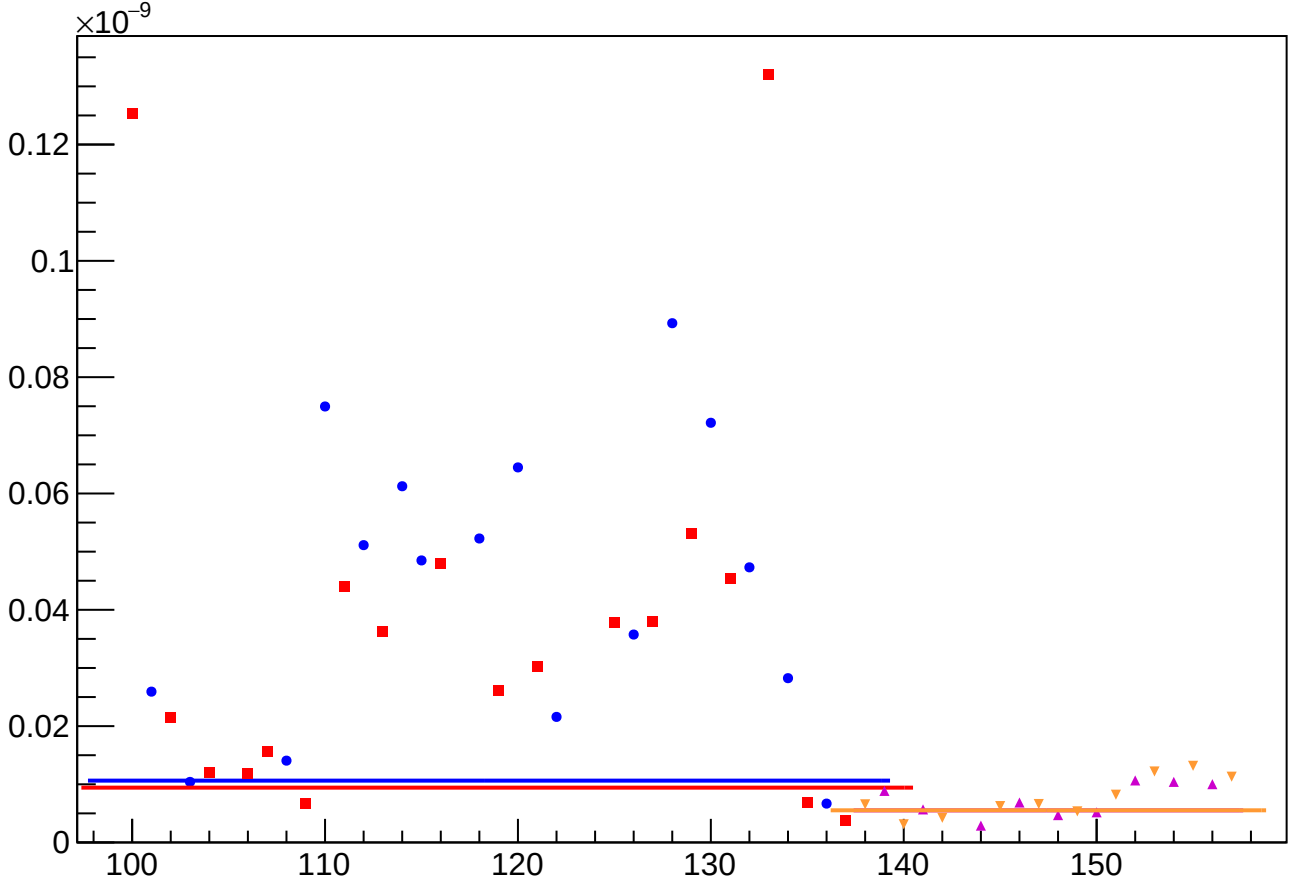
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:4.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/25

All: -0.000+/-0.000 χ^2/NDF: 61.6/52

- sign 0.000+/-0.000 χ^2/NDF: 29.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1813844.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

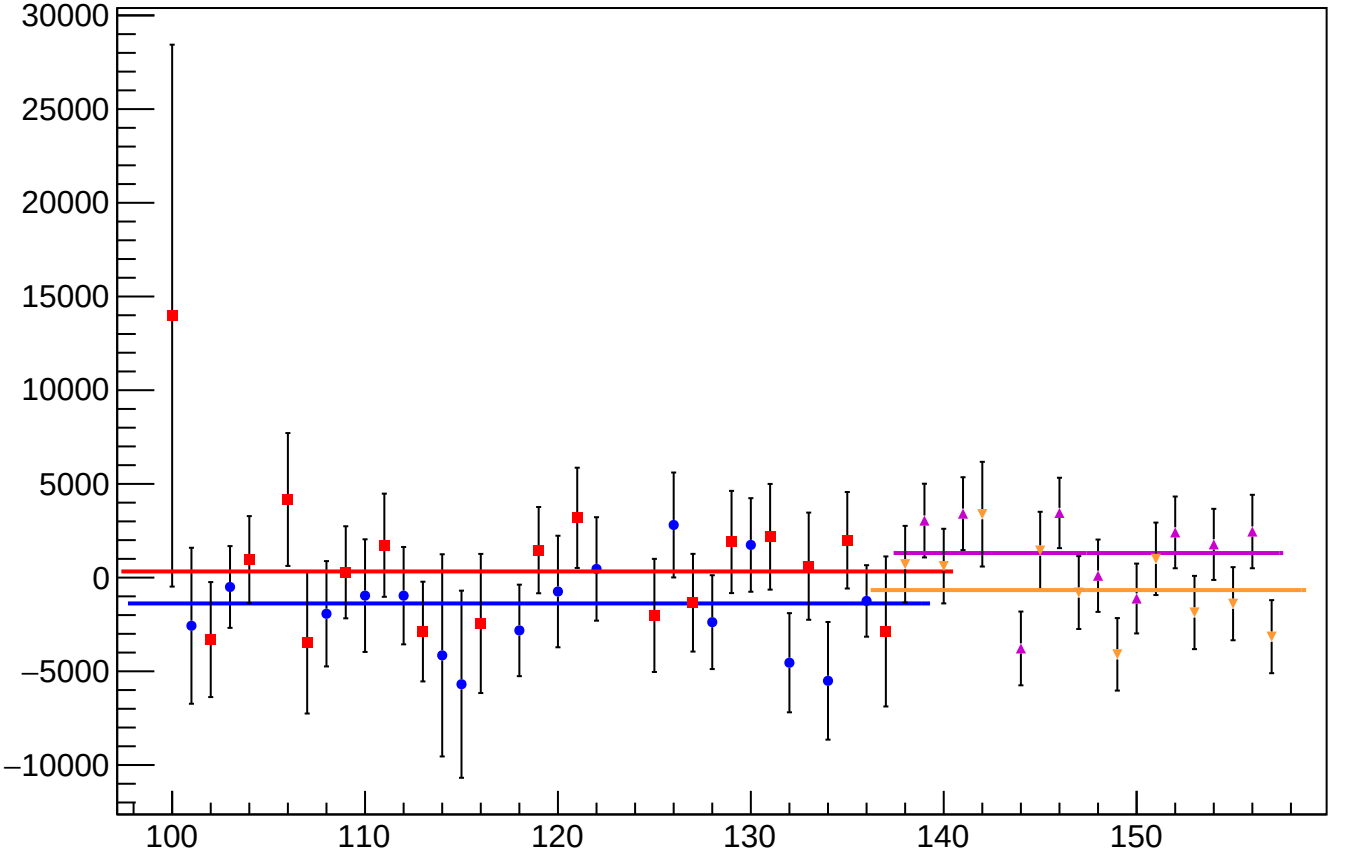
Left In: 0.000+/-0.000 χ^2/NDF:1643101.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 7338037.8/25

All: 0.000+/-0.000 χ^2/NDF: 13639419.9/52

- sign 0.000+/-0.000 χ^2/NDF: 6299132.7/26

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.195+/-640.220 χ^2/NDF:10.0/9

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

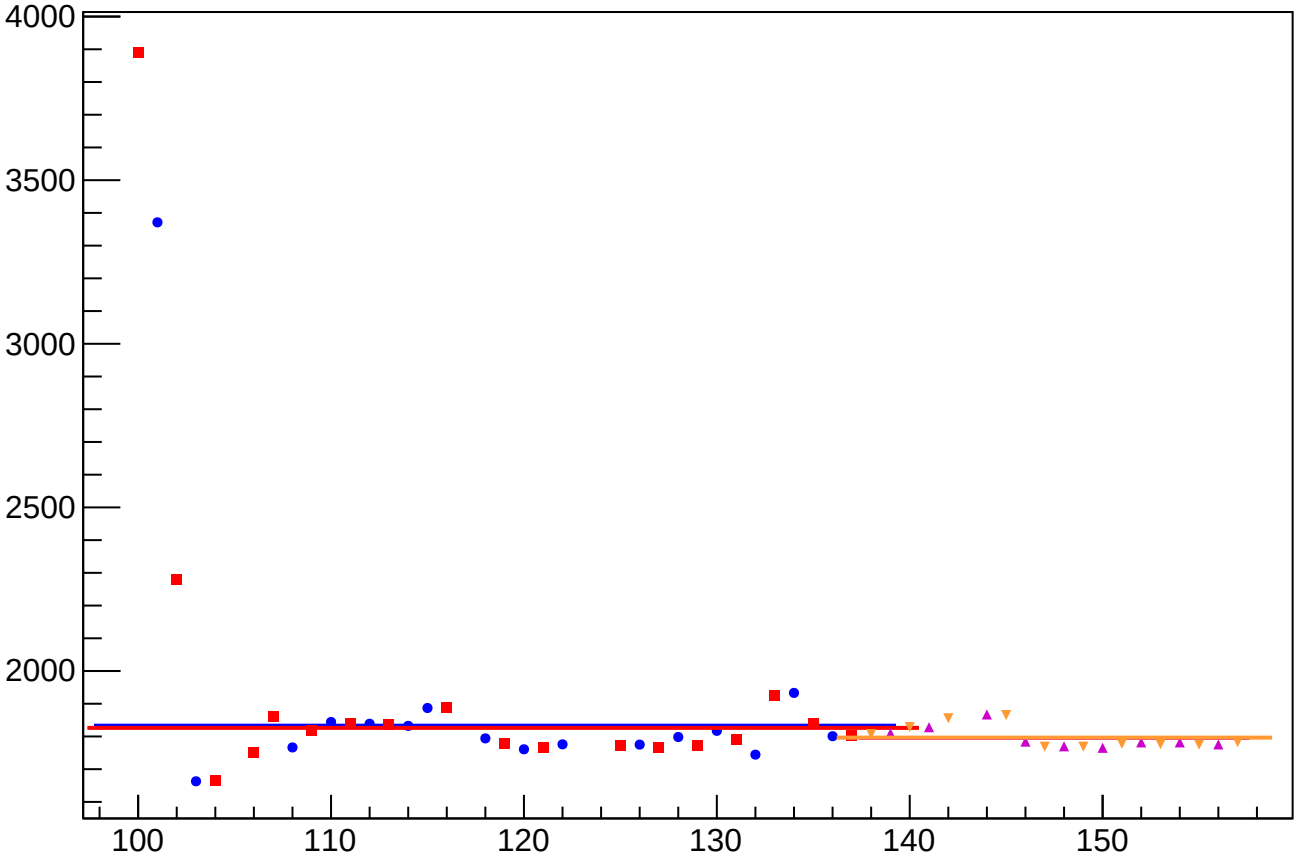
Left In: 1311.168+/-641.179 χ^2/NDF:12.8/8

+ sign -995.810+/-469.011 χ^2/NDF: 19.9/25

All: -69.622+/-331.195 χ^2/NDF: 52.6/52

- sign 851.601+/-467.752 χ^2/NDF: 24.9/26

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

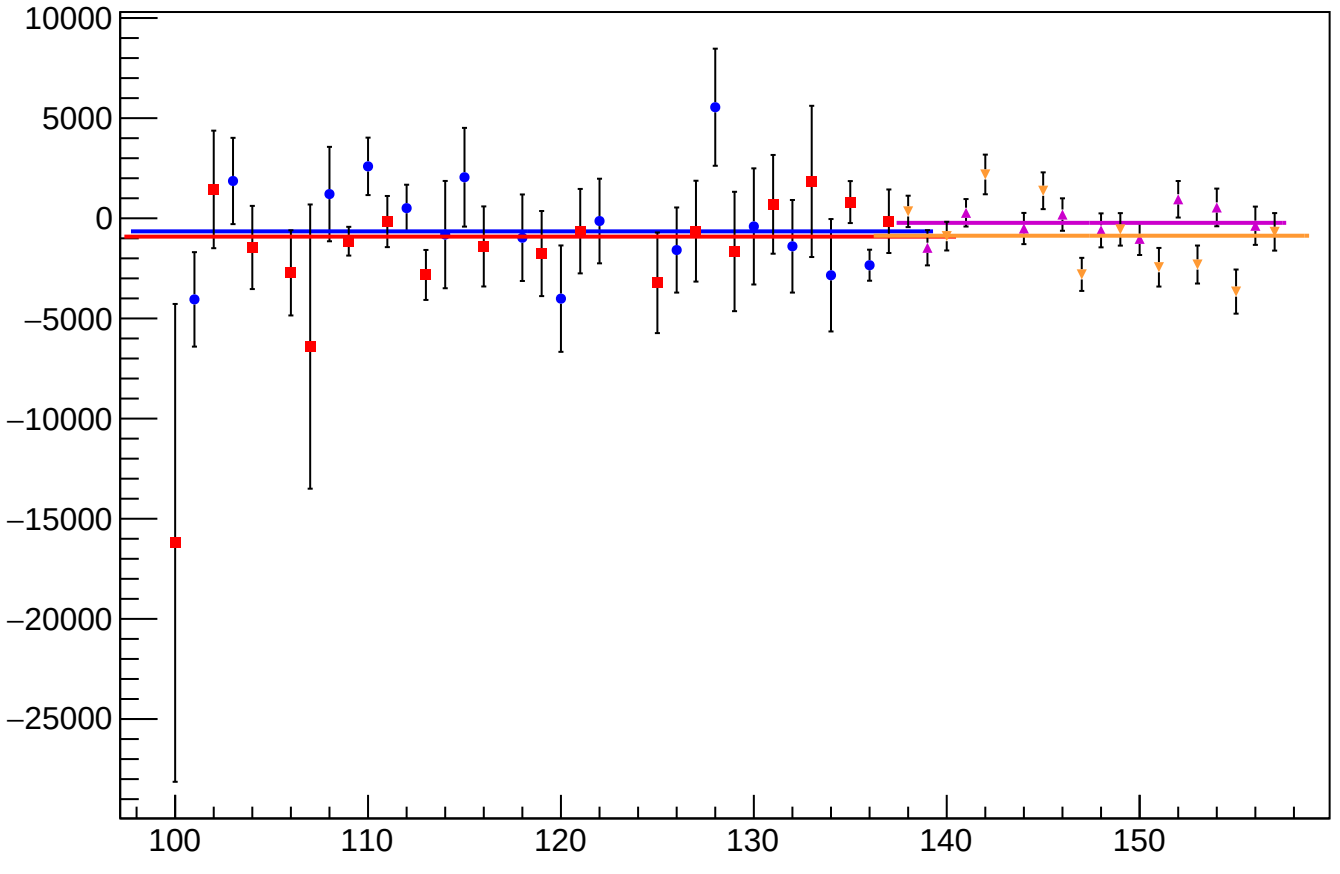
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1795.321+/-0.453 χ^2/NDF:4683.4/8

+ sign 1813.344+/-0.332 χ^2/NDF: 303710.6/25

All: 1811.552+/-0.234 χ^2/NDF: 413629.9/52

- sign 1809.770+/-0.331 χ^2/NDF: 109861.1/26



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -869.506+/-278.163 χ^2/NDF:35.0/9

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

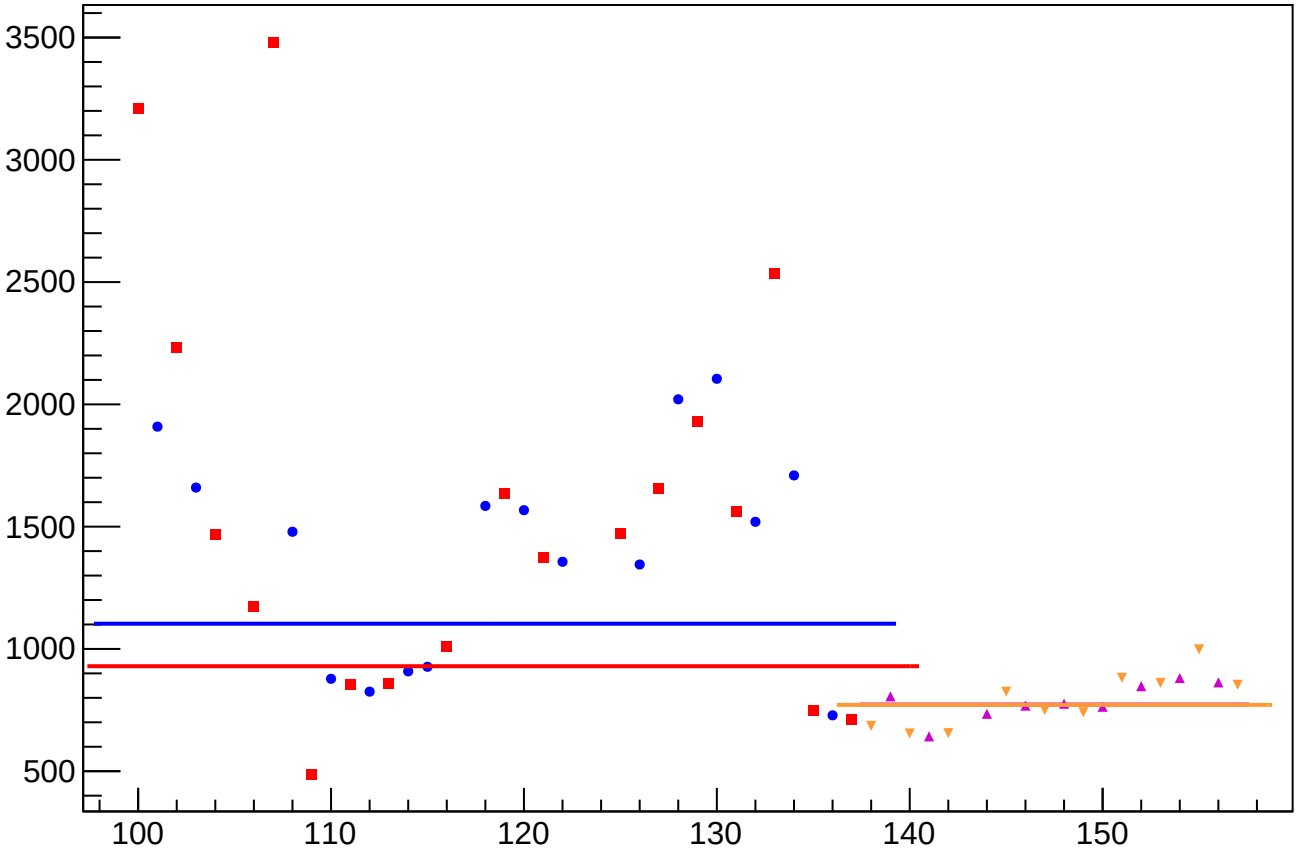
Left In: -227.055+/-277.968 χ^2/NDF:6.5/8

+ sign -807.812+/-235.443 χ^2/NDF: 58.4/25

All: -625.517+/-163.424 χ^2/NDF: 79.6/52

- sign -456.031+/-227.020 χ^2/NDF: 20.0/26

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 771.273+/-0.197 χ^2/NDF:260289.9/9

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

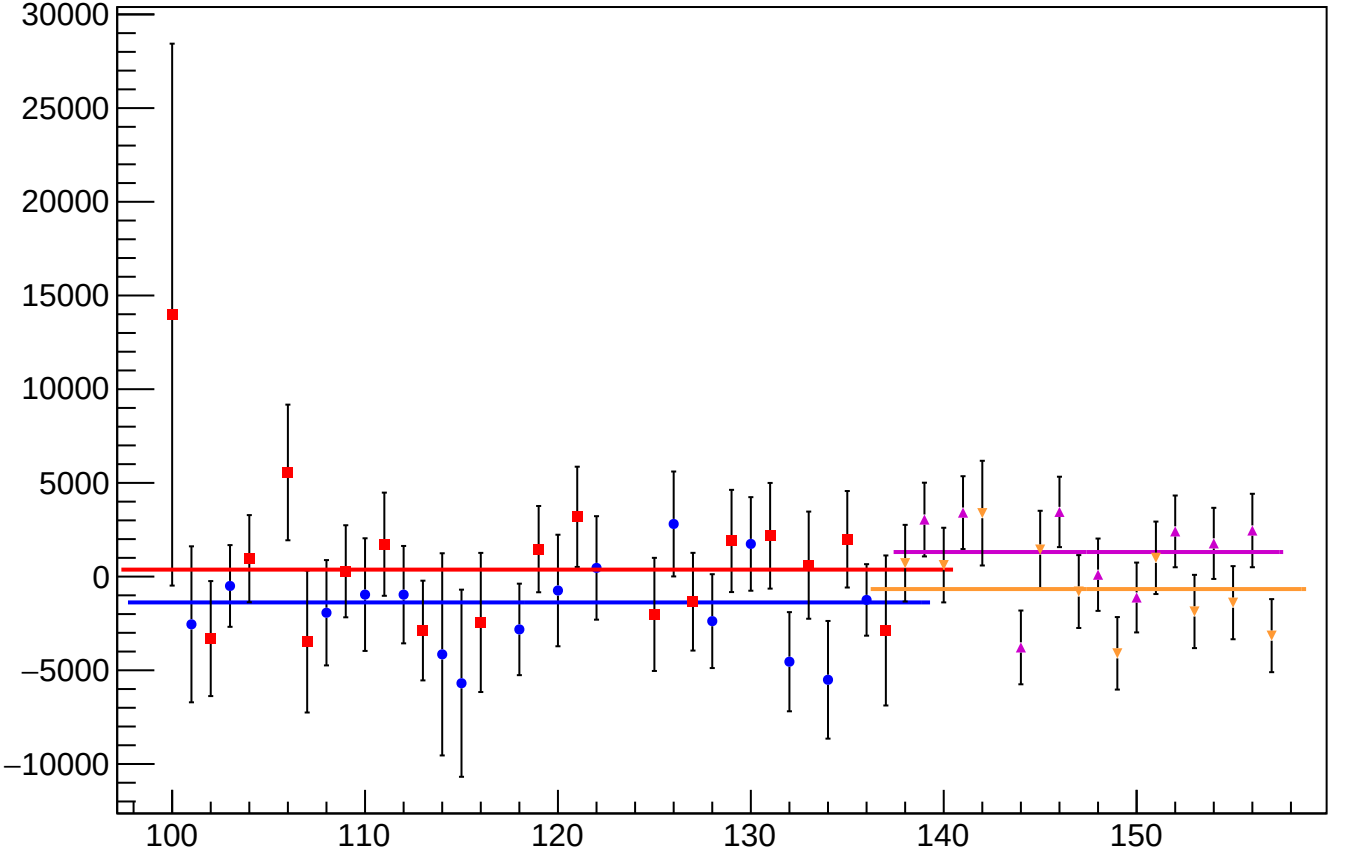
Left In: 772.687+/-0.197 χ^2/NDF:137910.9/8

+ sign 865.393+/-0.166 χ^2/NDF: 2945952.5/25

All: 844.386+/-0.116 χ^2/NDF: 6380235.5/52

- sign 824.855+/-0.161 χ^2/NDF: 3403557.5/26

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.077+/-640.220 χ^2/NDF:10.0/9

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

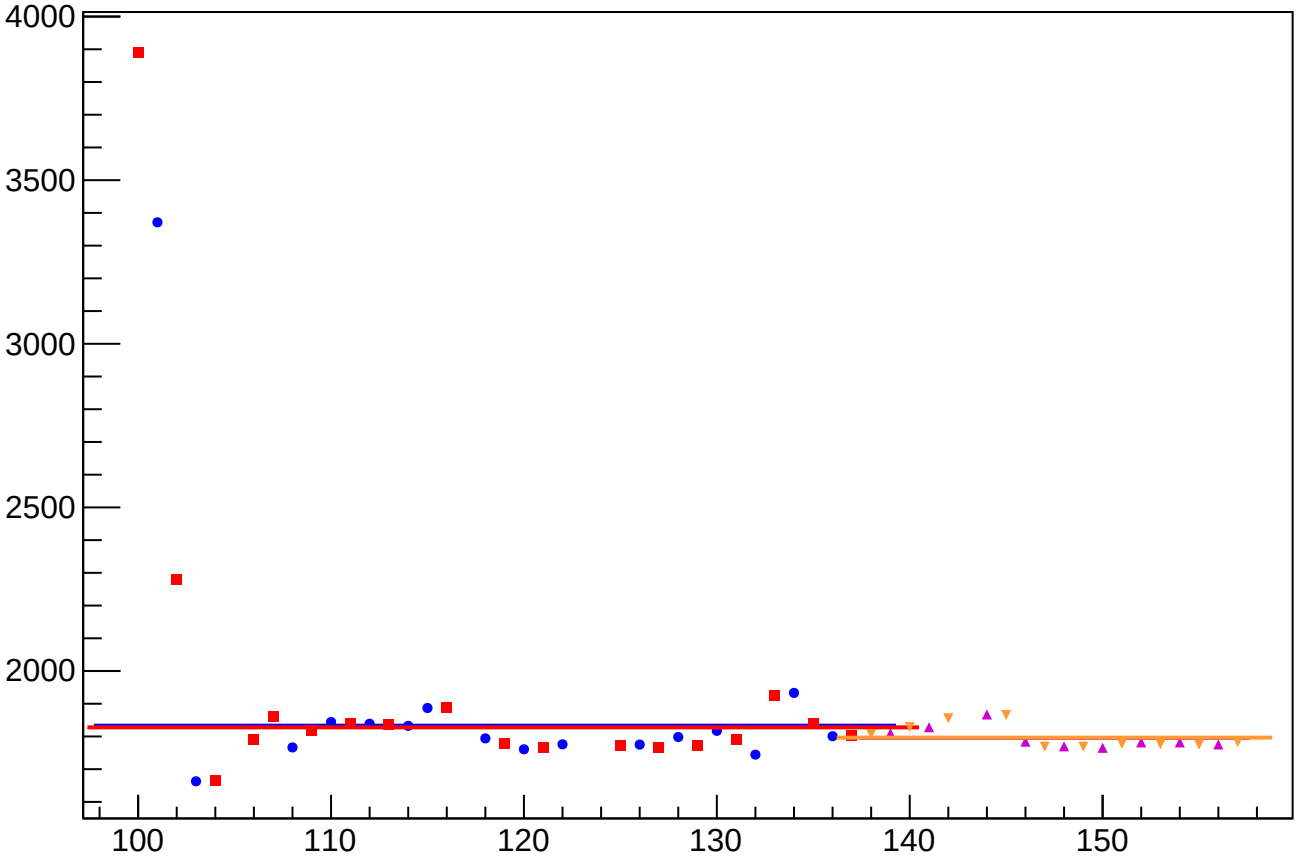
Left In: 1311.123+/-641.179 χ^2/NDF:12.8/8

+ sign -995.457+/-469.011 χ^2/NDF: 19.9/25

All: -59.348+/-331.254 χ^2/NDF: 53.6/52

- sign 872.405+/-467.919 χ^2/NDF: 25.7/26

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

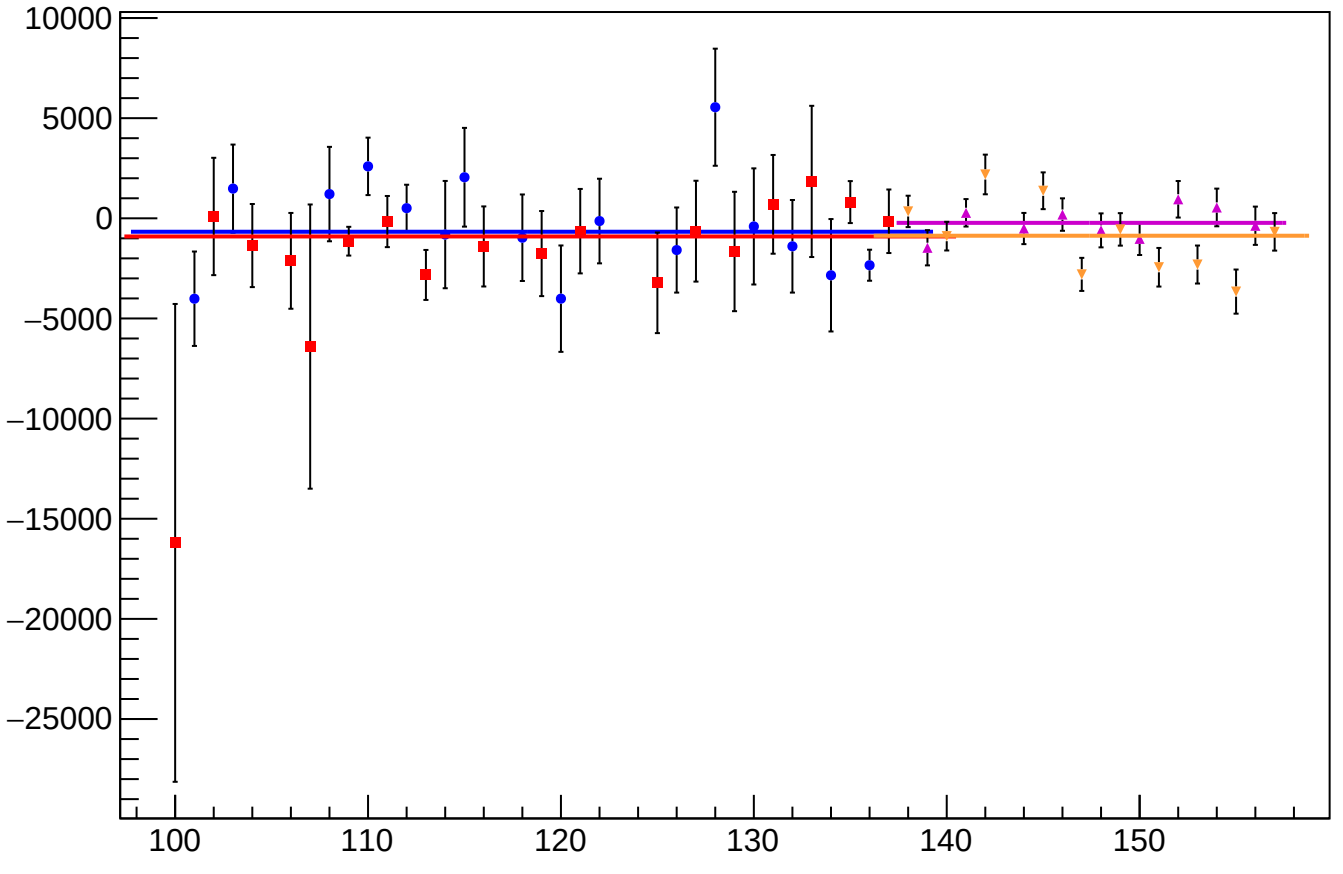
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1795.321+/-0.453 χ^2/NDF:4683.4/8

+ sign 1813.344+/-0.332 χ^2/NDF: 303712.4/25

All: 1811.916+/-0.234 χ^2/NDF: 413099.6/52

- sign 1810.495+/-0.331 χ^2/NDF: 109350.2/26



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

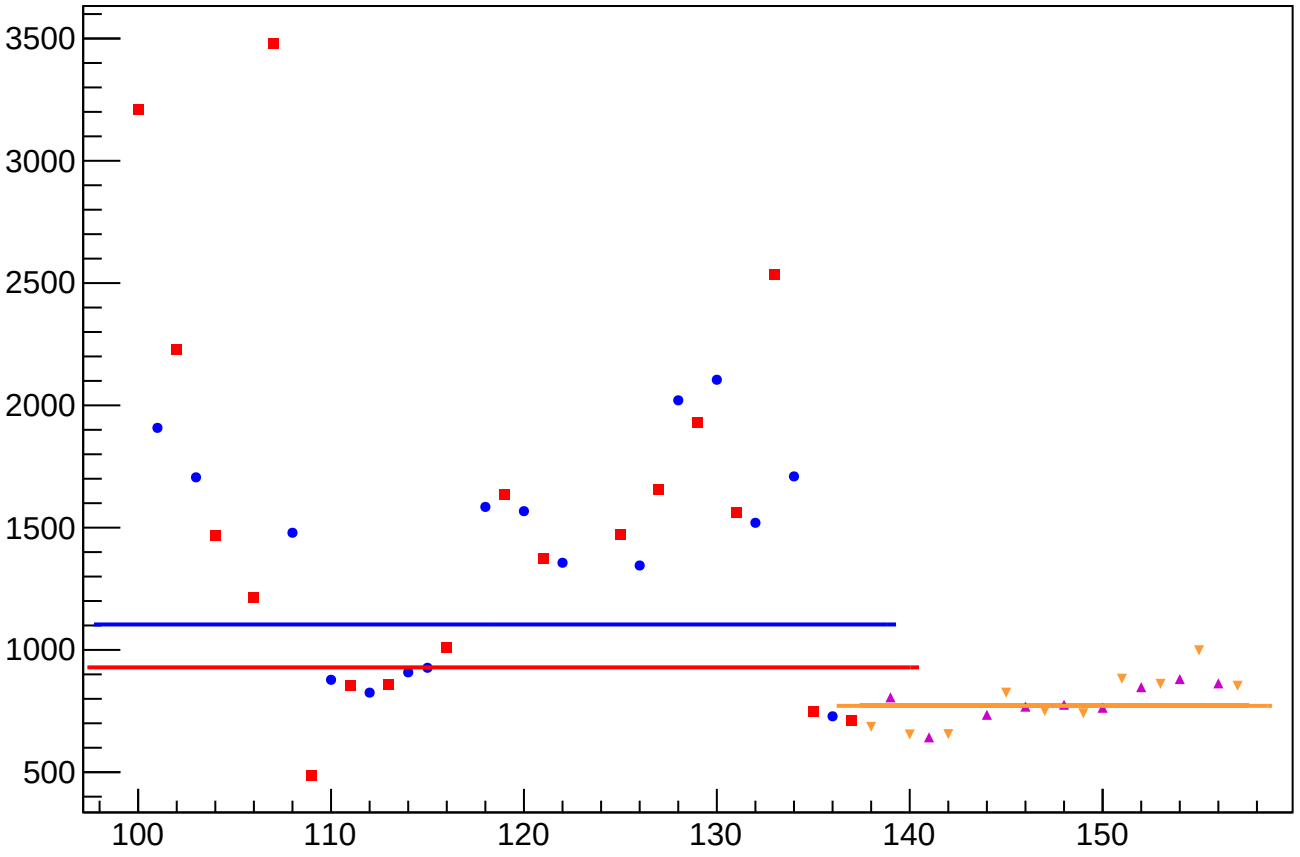
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -227.008+/-277.970 χ^2/NDF:6.5/8

\+ sign -813.158+/-235.500 χ^2/NDF: 57.9/25

All: -626.169+/-163.543 χ^2/NDF: 78.0/52

\- sign -451.993+/-227.288 χ^2/NDF: 18.9/26



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 771.277+/-0.197 χ^2/NDF:260256.4/9

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

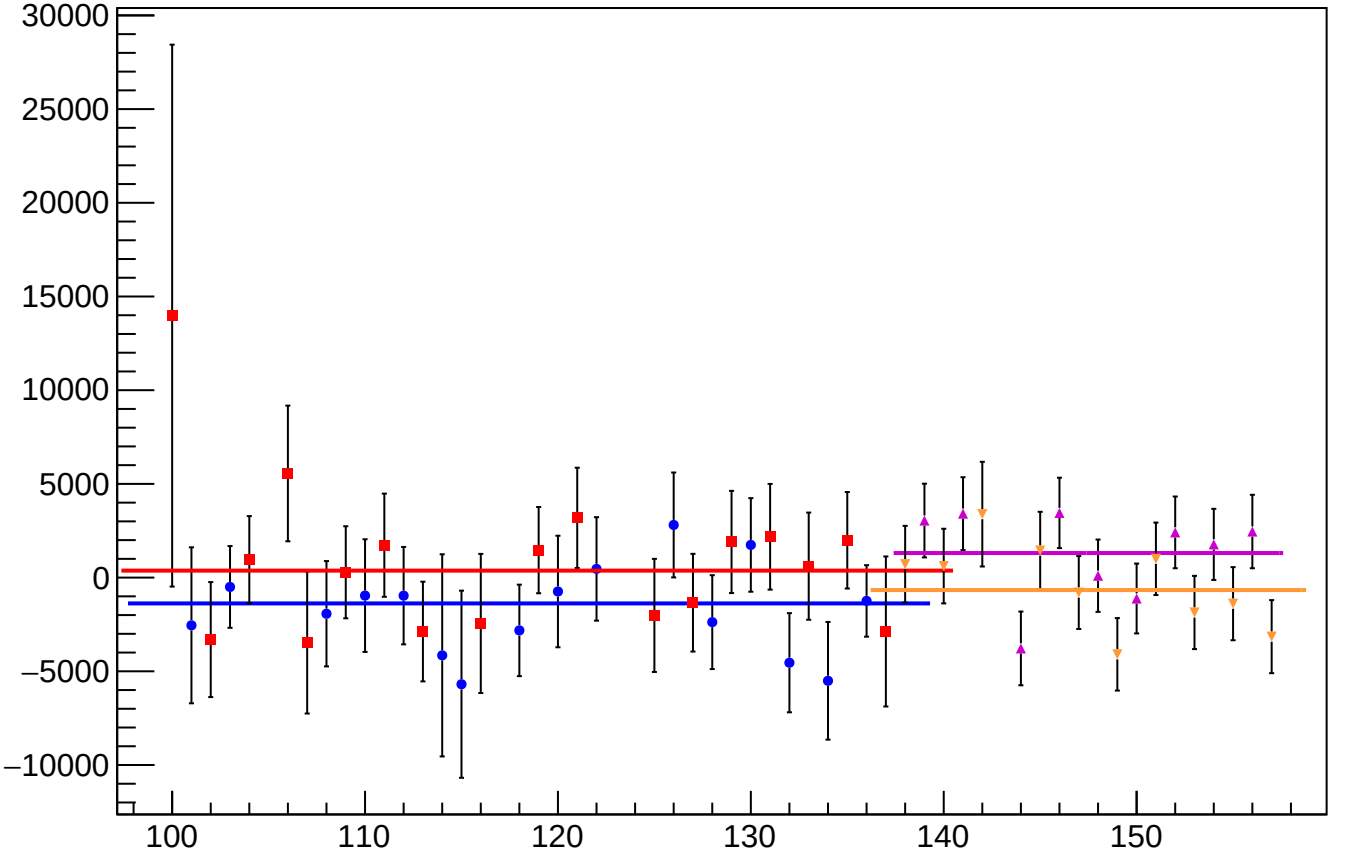
Left In: 772.692+/-0.197 χ^2/NDF:137961.9/8

+ sign 865.545+/-0.167 χ^2/NDF: 2965705.7/25

All: 844.228+/-0.116 χ^2/NDF: 6398293.3/52

- sign 824.371+/-0.161 χ^2/NDF: 3400936.4/26

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -665.077+/-640.220 χ^2/NDF:10.0/9

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

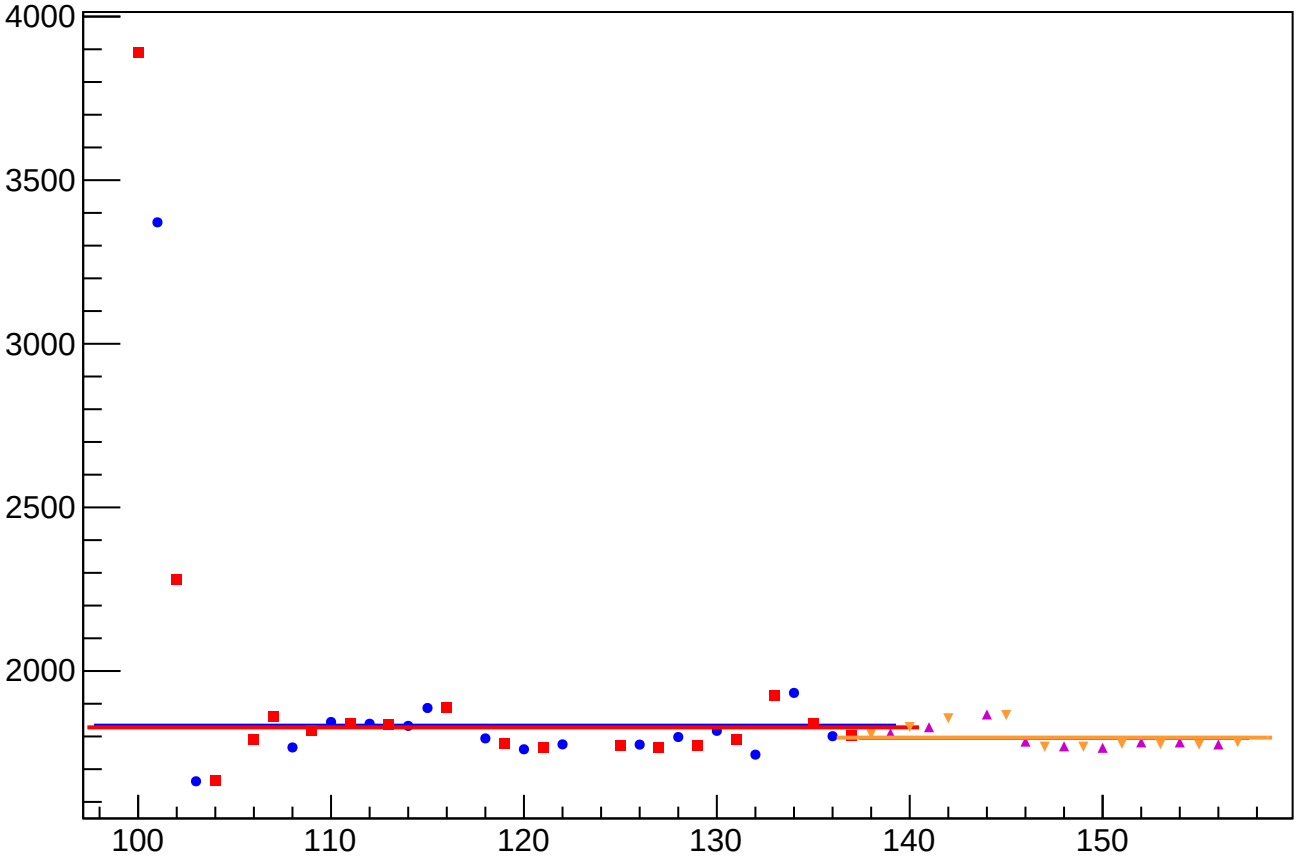
Left In: 1311.123+/-641.179 χ^2/NDF:12.8/8

+ sign -995.457+/-469.011 χ^2/NDF: 19.9/25

All: -59.348+/-331.254 χ^2/NDF: 53.6/52

- sign 872.405+/-467.919 χ^2/NDF: 25.7/26

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1796.420+/-0.453 χ^2/NDF:5254.8/9

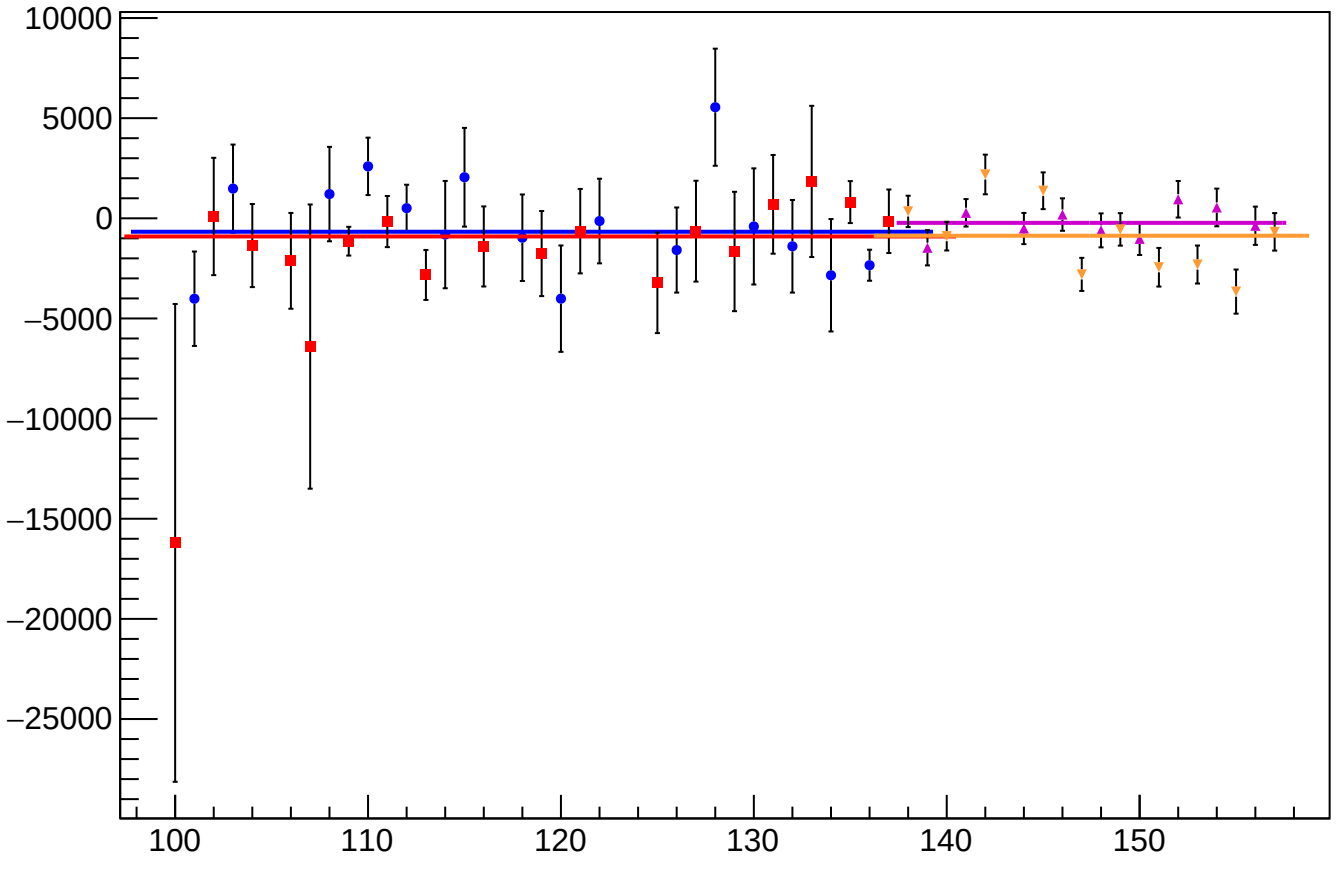
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1795.321+/-0.453 χ^2/NDF:4683.4/8

+ sign 1813.344+/-0.332 χ^2/NDF: 303712.4/25

All: 1811.916+/-0.234 χ^2/NDF: 413099.6/52

- sign 1810.495+/-0.331 χ^2/NDF: 109350.2/26



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -869.514+/-278.165 χ^2/NDF:35.0/9

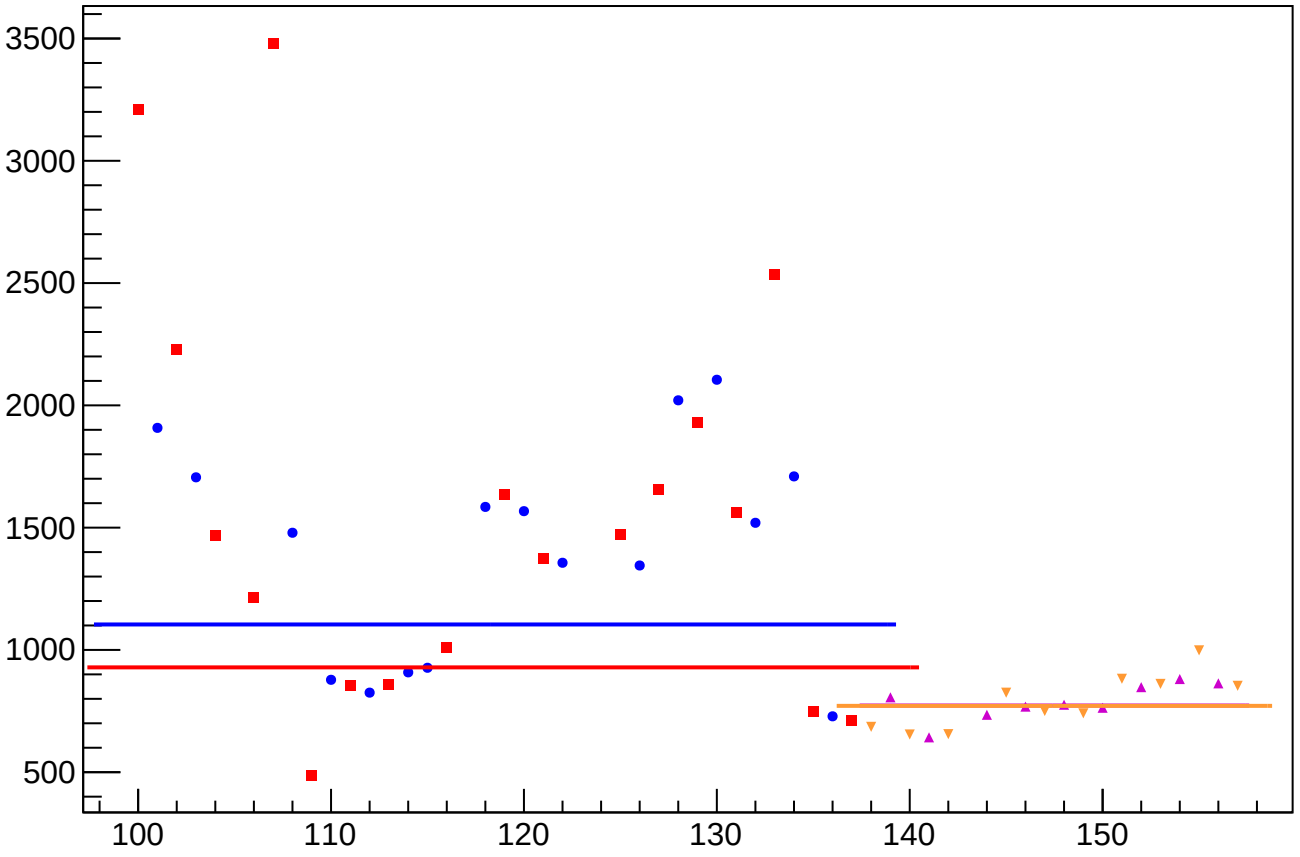
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -227.008+/-277.970 χ^2/NDF:6.5/8

+ sign -813.158+/-235.500 χ^2/NDF: 57.9/25

All: -626.169+/-163.543 χ^2/NDF: 78.0/52

- sign -451.993+/-227.288 χ^2/NDF: 18.9/26



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 771.277+/-0.197 χ^2/NDF:260256.4/9

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

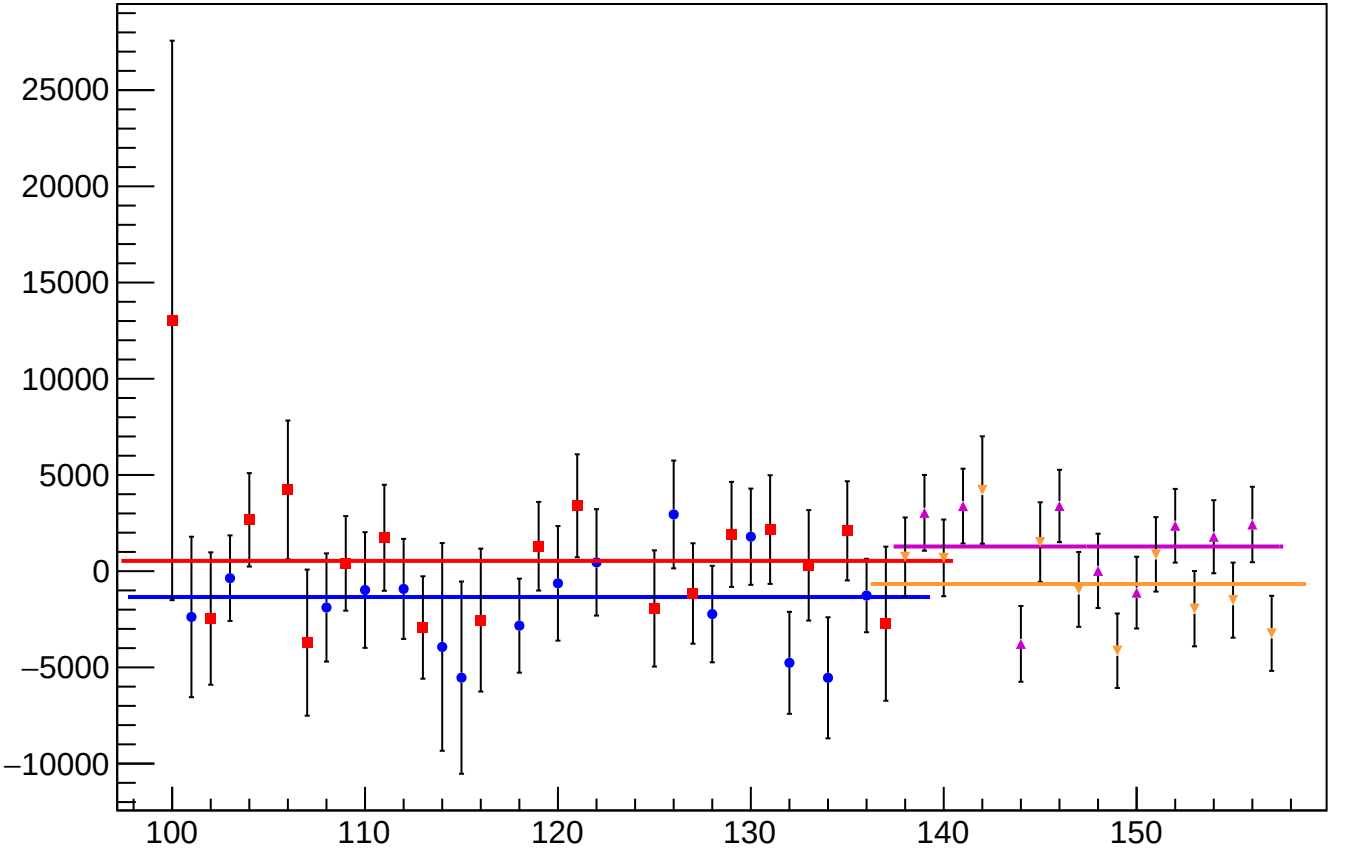
Left In: 772.692+/-0.197 χ^2/NDF:137961.9/8

+ sign 865.545+/-0.167 χ^2/NDF: 2965705.7/25

All: 844.228+/-0.116 χ^2/NDF: 6398293.3/52

- sign 824.371+/-0.161 χ^2/NDF: 3400936.4/26

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -668.106+/-640.625 χ^2/NDF:11.3/9

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

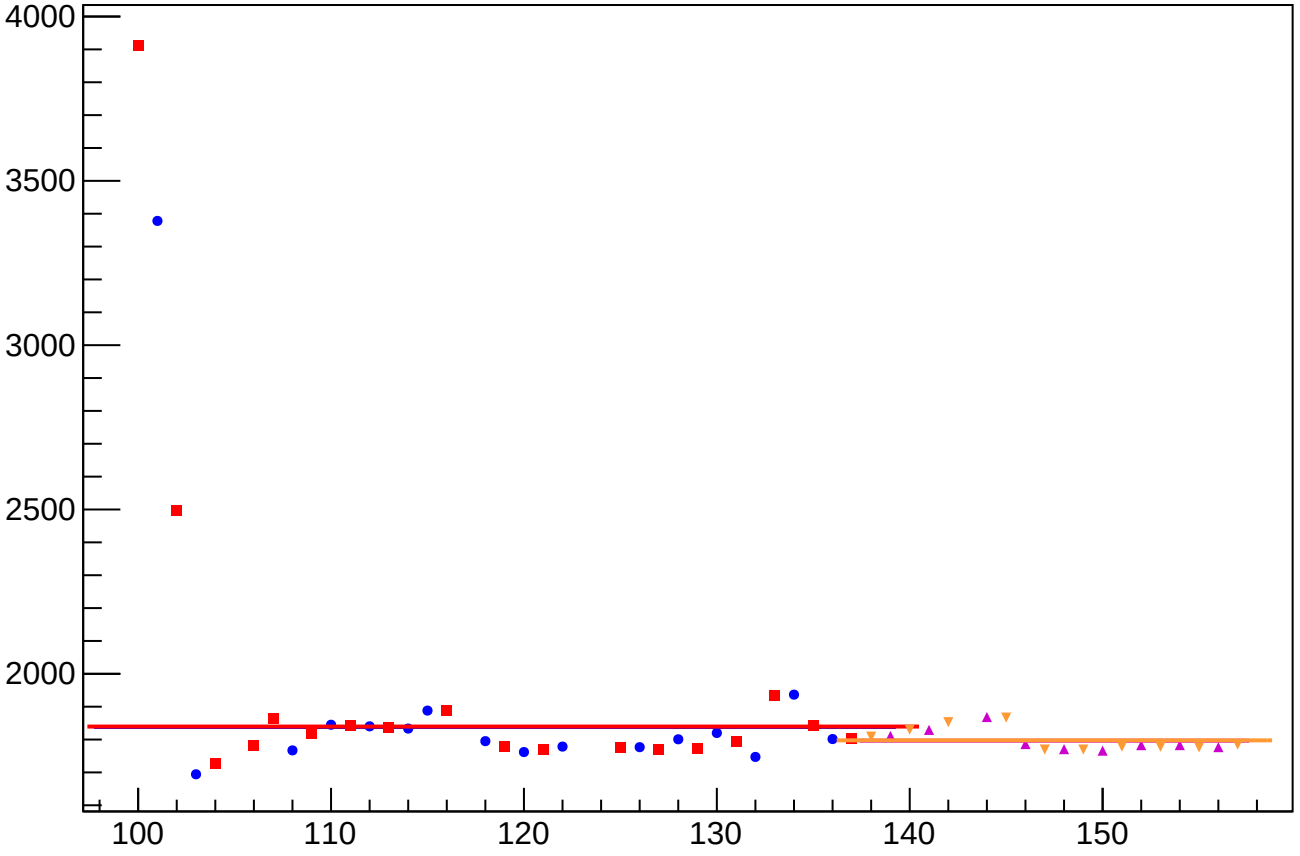
Left In: 1281.945+/-641.610 χ^2/NDF:12.6/8

+ sign -980.528+/-469.772 χ^2/NDF: 21.4/25

All: -23.210+/-332.319 χ^2/NDF: 54.1/52

- sign 935.729+/-470.169 χ^2/NDF: 24.4/26

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

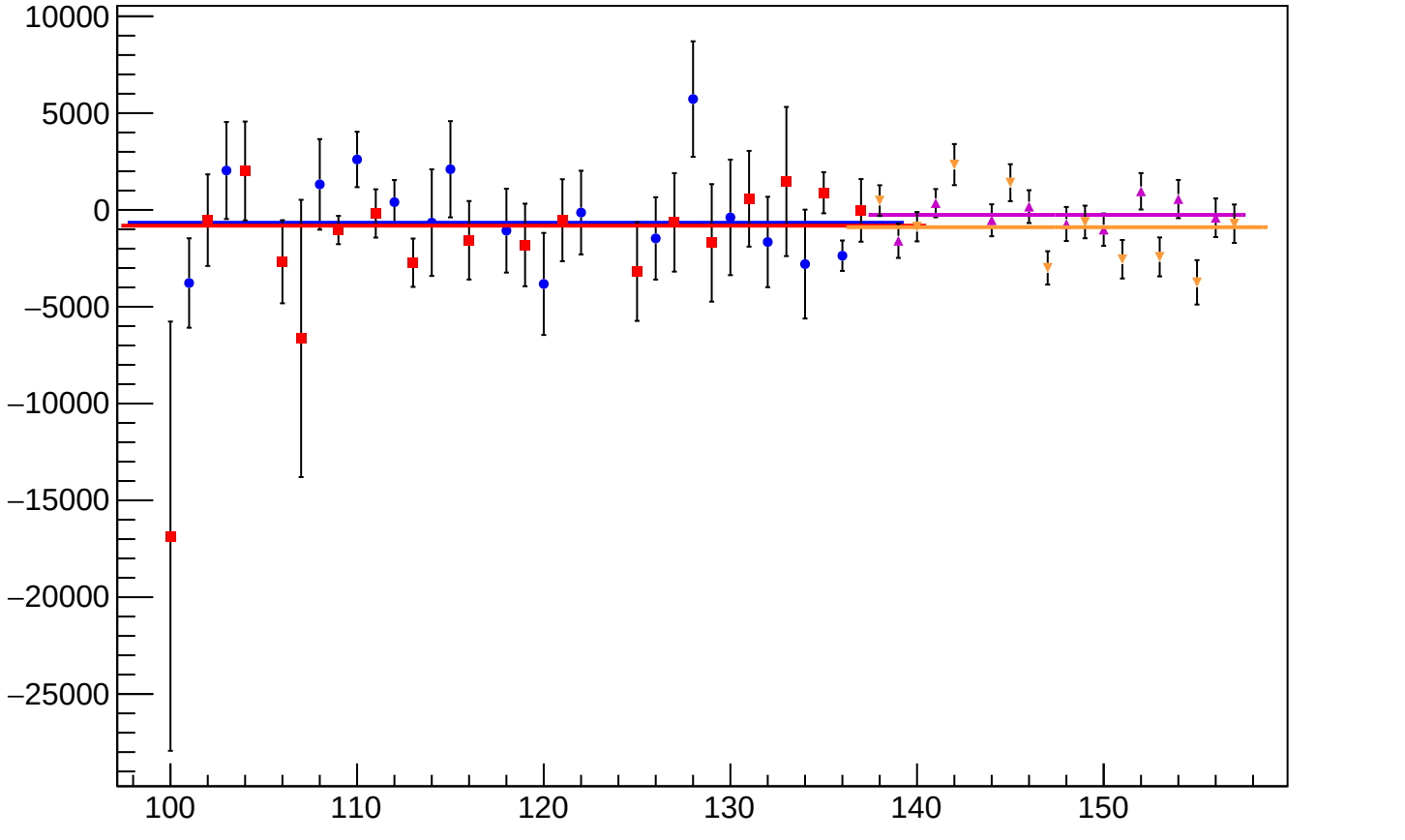
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1796.525+/-0.454 χ^2/NDF:4704.0/8

+ sign 1816.318+/-0.332 χ^2/NDF: 300862.3/25

All: 1816.375+/-0.235 χ^2/NDF: 437977.7/52

- sign 1816.431+/-0.332 χ^2/NDF: 137115.3/26



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -892.083+/-290.391 χ^2/NDF:35.5/9

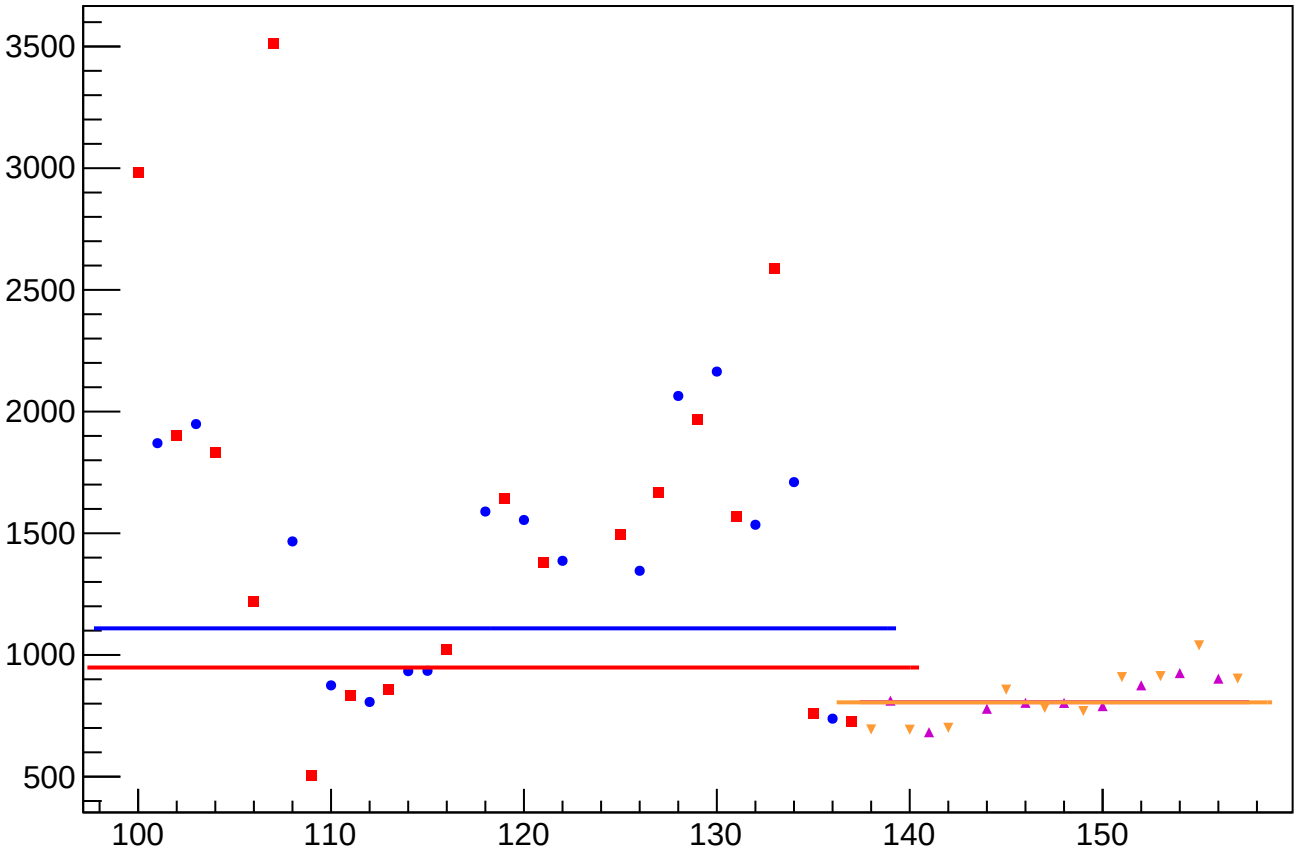
Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: -257.081+/-289.762 χ^2/NDF:6.8/8

\+ sign -824.006+/-243.338 χ^2/NDF: 58.4/25

All: -629.707+/-168.701 χ^2/NDF: 80.0/52

\- sign -449.899+/-234.089 χ^2/NDF: 20.4/26



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 805.290+/-0.205 χ^2/NDF:261294.8/9

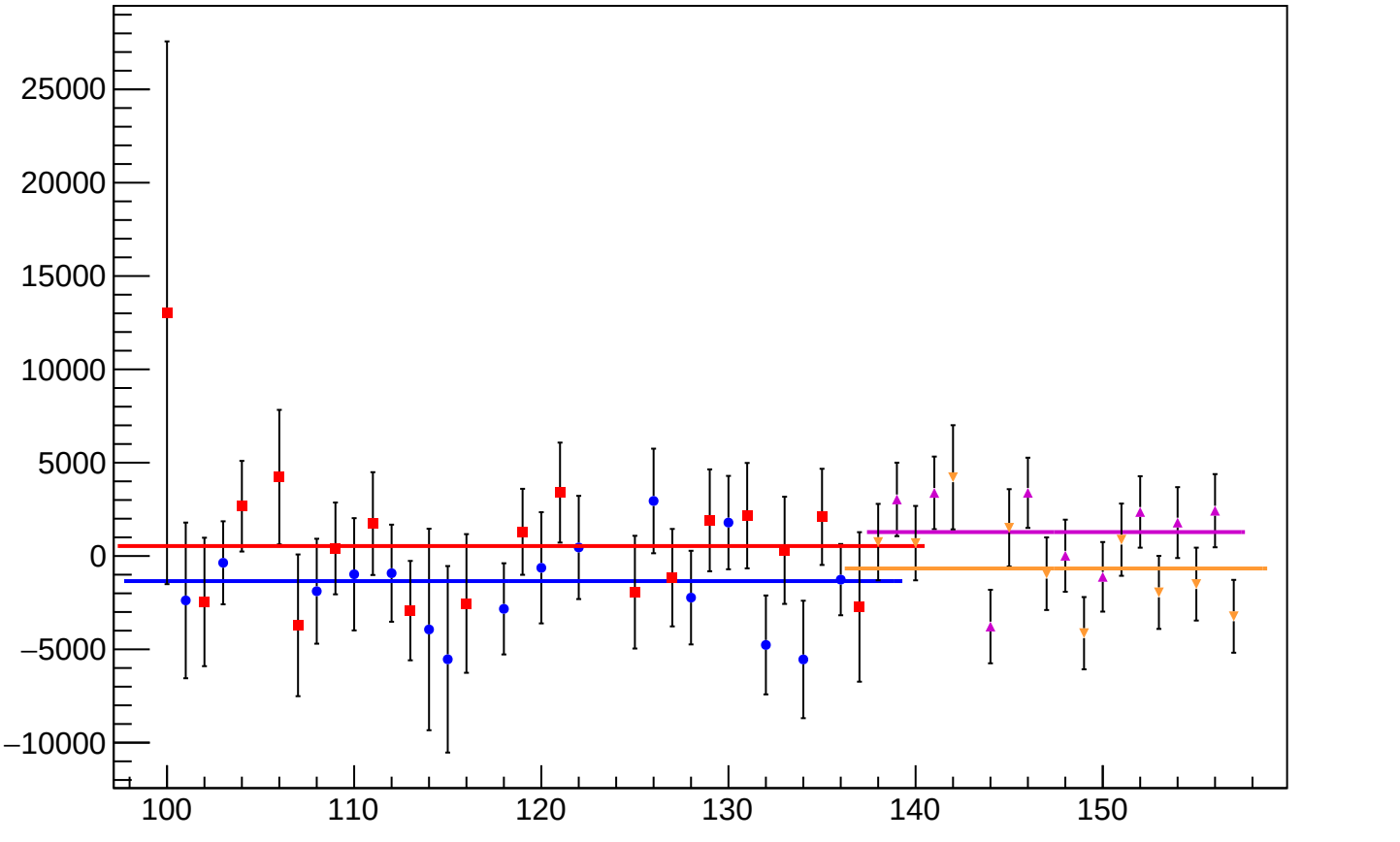
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 806.236+/-0.205 χ^2/NDF:119370.1/8

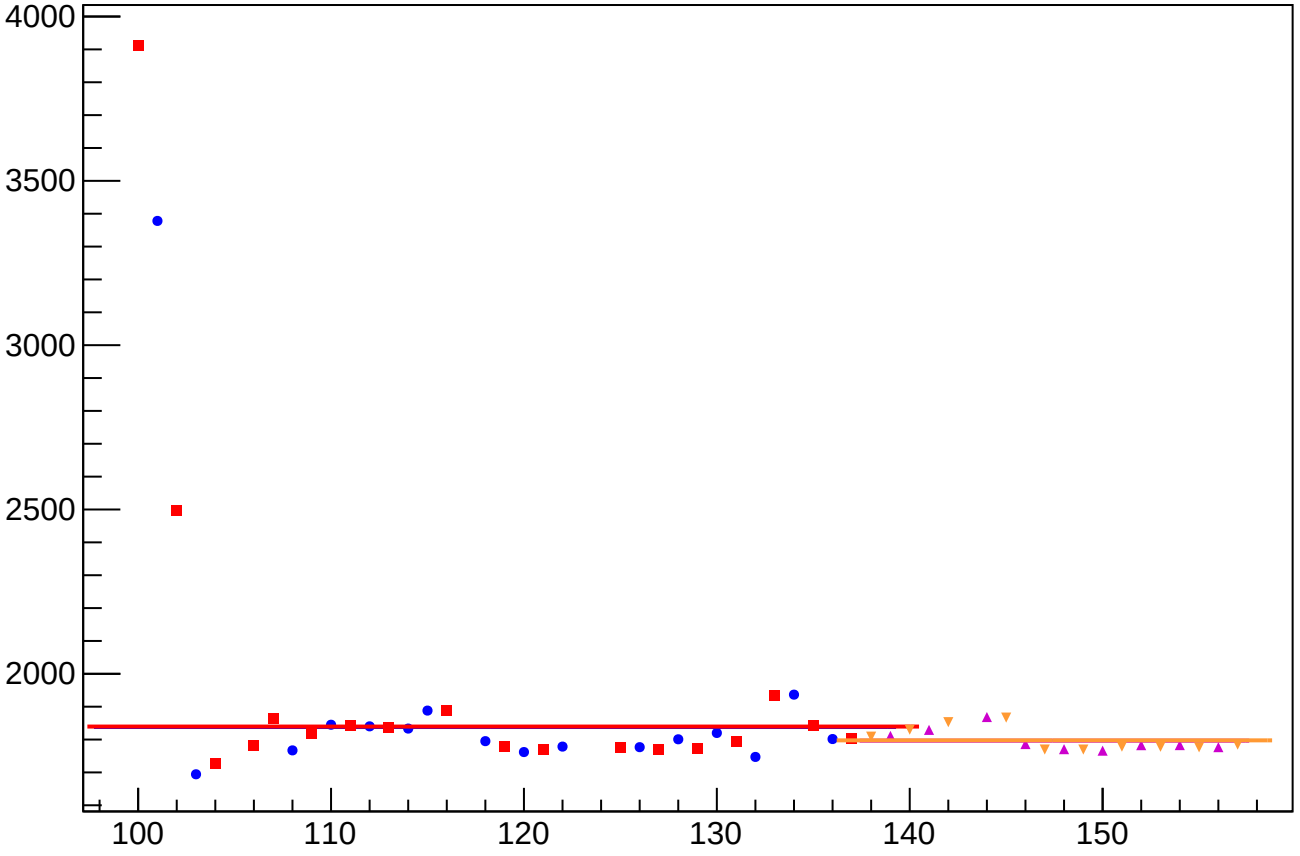
+ sign 895.845+/-0.172 χ^2/NDF: 2887722.5/25

All: 874.959+/-0.119 χ^2/NDF: 6256447.3/52

- sign 855.630+/-0.166 χ^2/NDF: 3340354.6/26


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -668.105+/-640.625 χ²/NDF:11.3/9
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 1281.942+/-641.610 χ²/NDF:12.6/8
+ sign -980.528+/-469.772 χ²/NDF: 21.4/25
All: -23.210+/-332.319 χ²/NDF: 54.1/52
- sign 935.730+/-470.169 χ²/NDF: 24.4/26

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1797.542+/-0.453 χ^2/NDF:5161.9/9

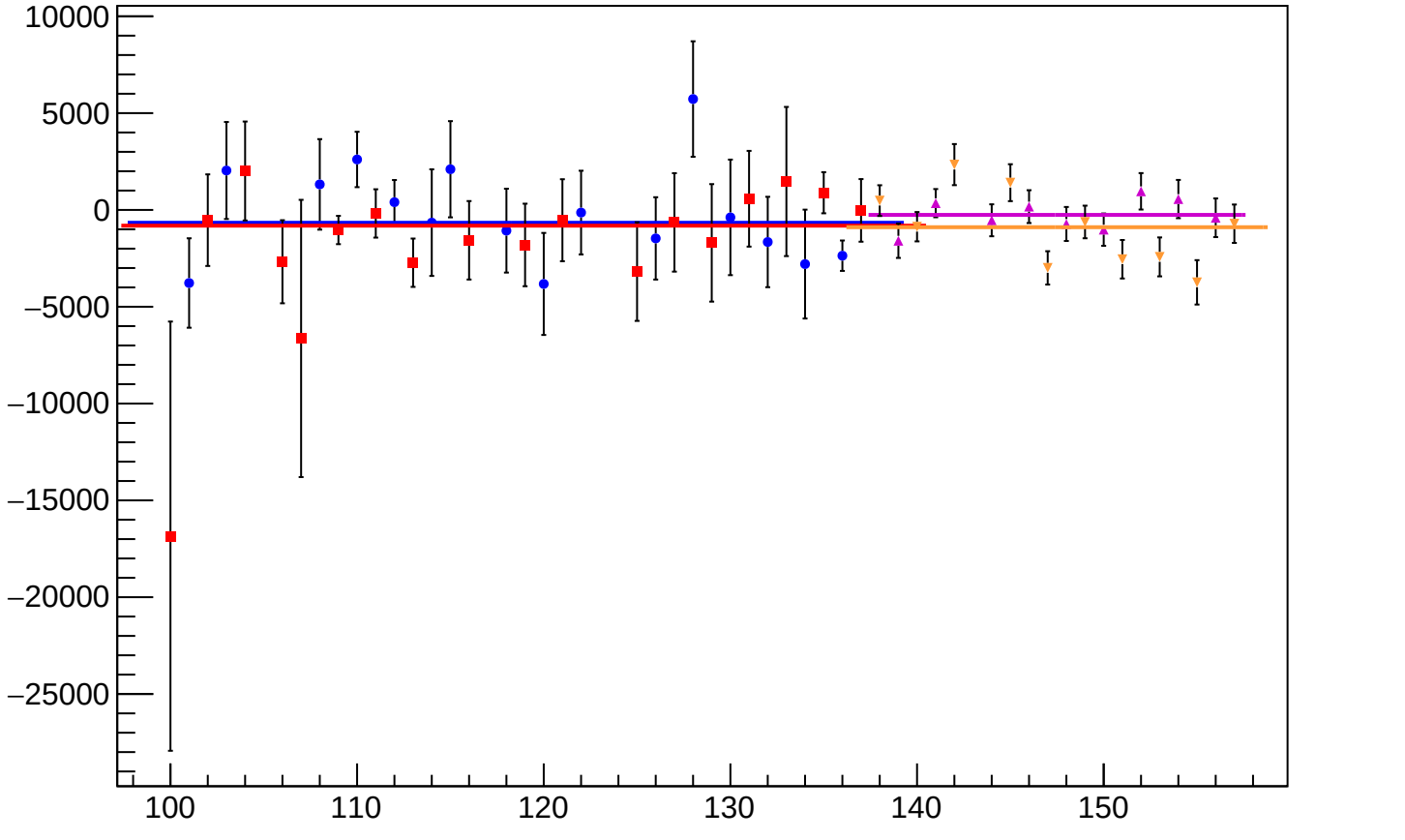
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1796.525+/-0.454 χ^2/NDF:4704.0/8

+ sign 1816.318+/-0.332 χ^2/NDF: 300862.3/25

All: 1816.375+/-0.235 χ^2/NDF: 437977.8/52

- sign 1816.431+/-0.332 χ^2/NDF: 137115.4/26



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -892.092+/-290.392 χ^2/NDF:35.5/9

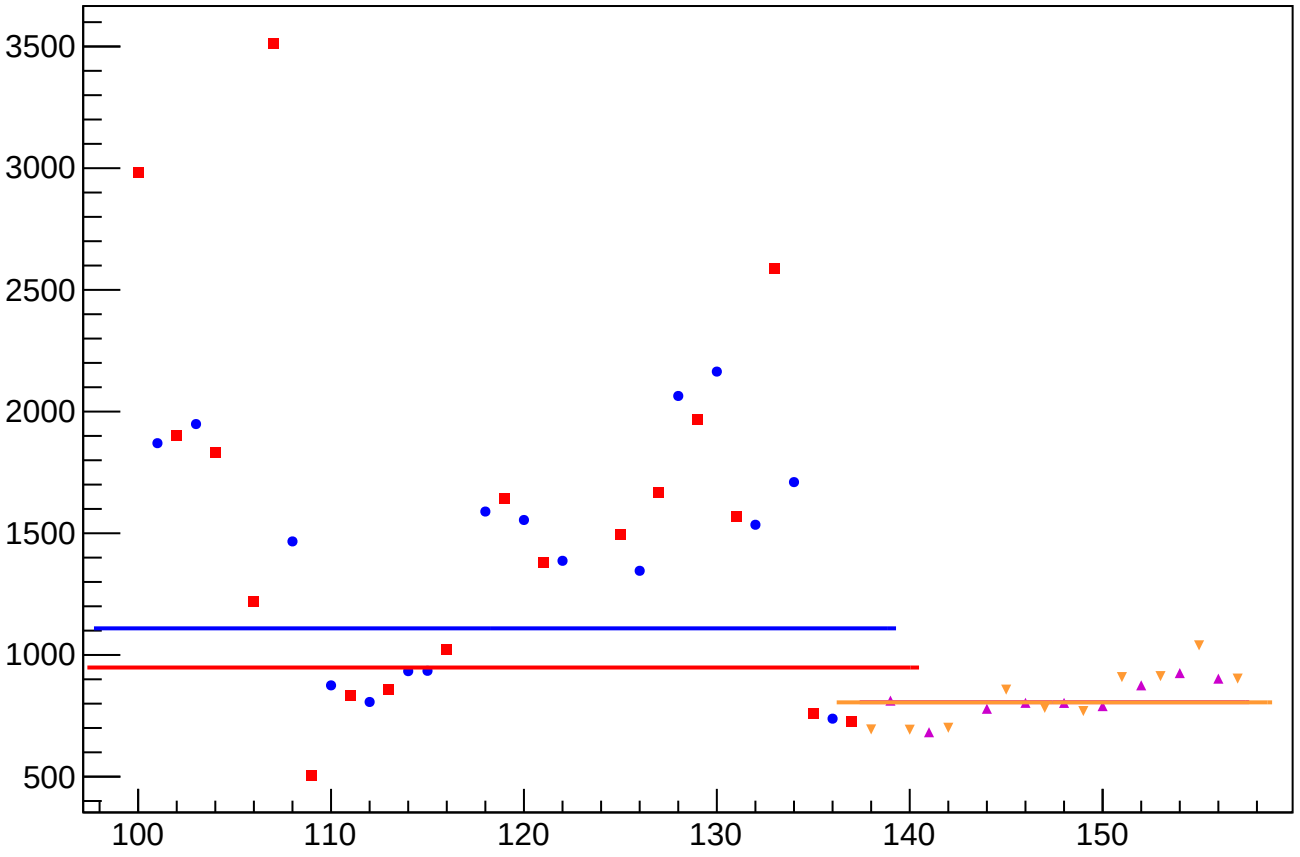
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -257.079+/-289.763 χ^2/NDF:6.8/8

+ sign -824.008+/-243.339 χ^2/NDF: 58.4/25

All: -629.709+/-168.701 χ^2/NDF: 80.0/52

- sign -449.900+/-234.089 χ^2/NDF: 20.4/26



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 805.293+/-0.205 χ^2/NDF:261277.5/9

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

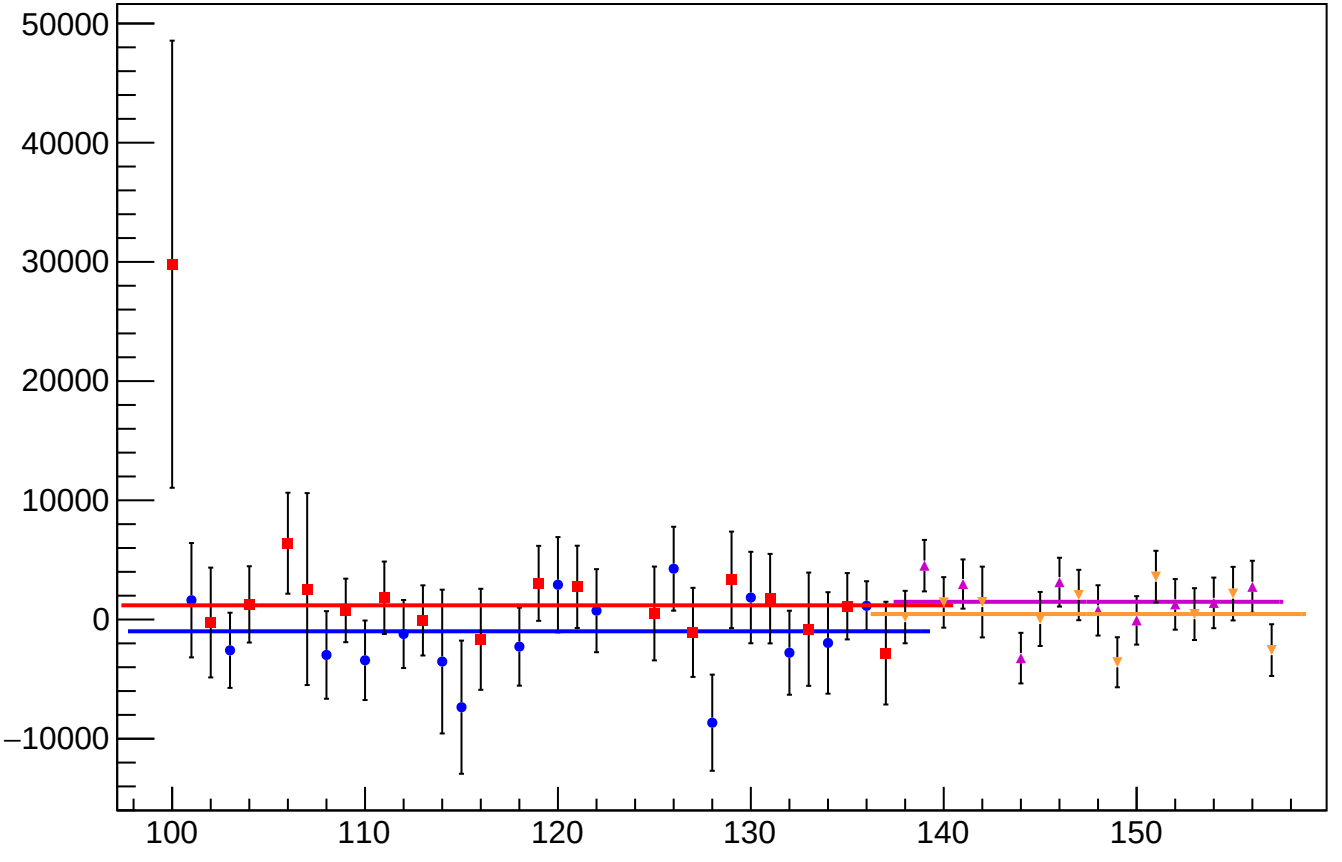
Left In: 806.237+/-0.205 χ^2/NDF:119368.0/8

+ sign 895.849+/-0.172 χ^2/NDF: 2887662.4/25

All: 874.961+/-0.119 χ^2/NDF: 6256365.0/52

- sign 855.632+/-0.166 χ^2/NDF: 3340329.7/26

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 460.204+/-703.180 χ^2/NDF:9.3/9

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

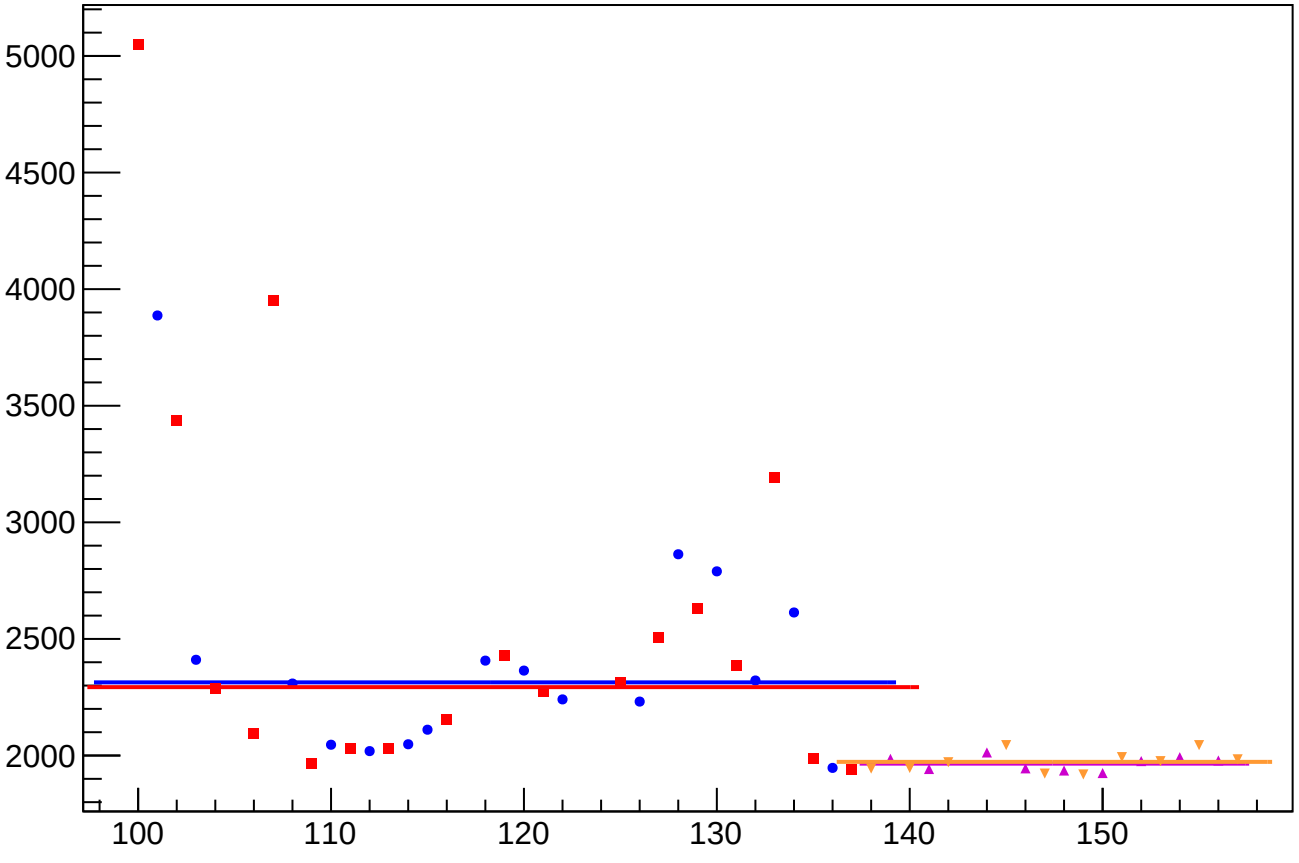
Left In: 1486.956+/-701.877 χ^2/NDF:9.2/8

+ sign -108.808+/-547.833 χ^2/NDF: 22.9/25

All: 632.968+/-386.860 χ^2/NDF: 42.8/52

- sign 1370.806+/-546.376 χ^2/NDF: 16.2/26

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1972.804+/-0.497 χ^2/NDF:7380.0/9

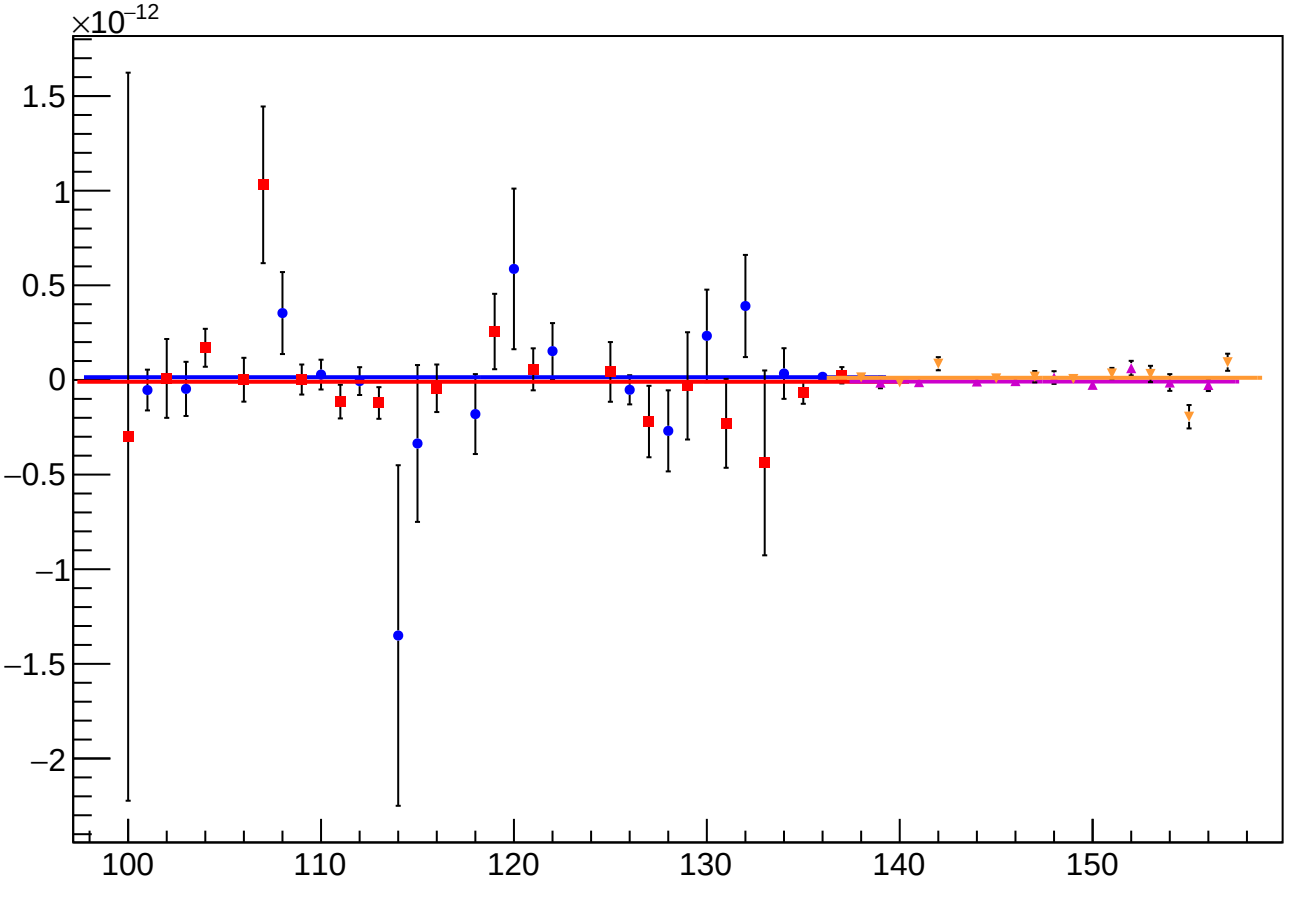
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1965.196+/-0.496 χ^2/NDF:3297.7/8

+ sign 2106.805+/-0.387 χ^2/NDF: 594926.2/25

All: 2100.619+/-0.274 χ^2/NDF: 1224113.3/52

- sign 2094.465+/-0.386 χ^2/NDF: 628678.4/26



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/9

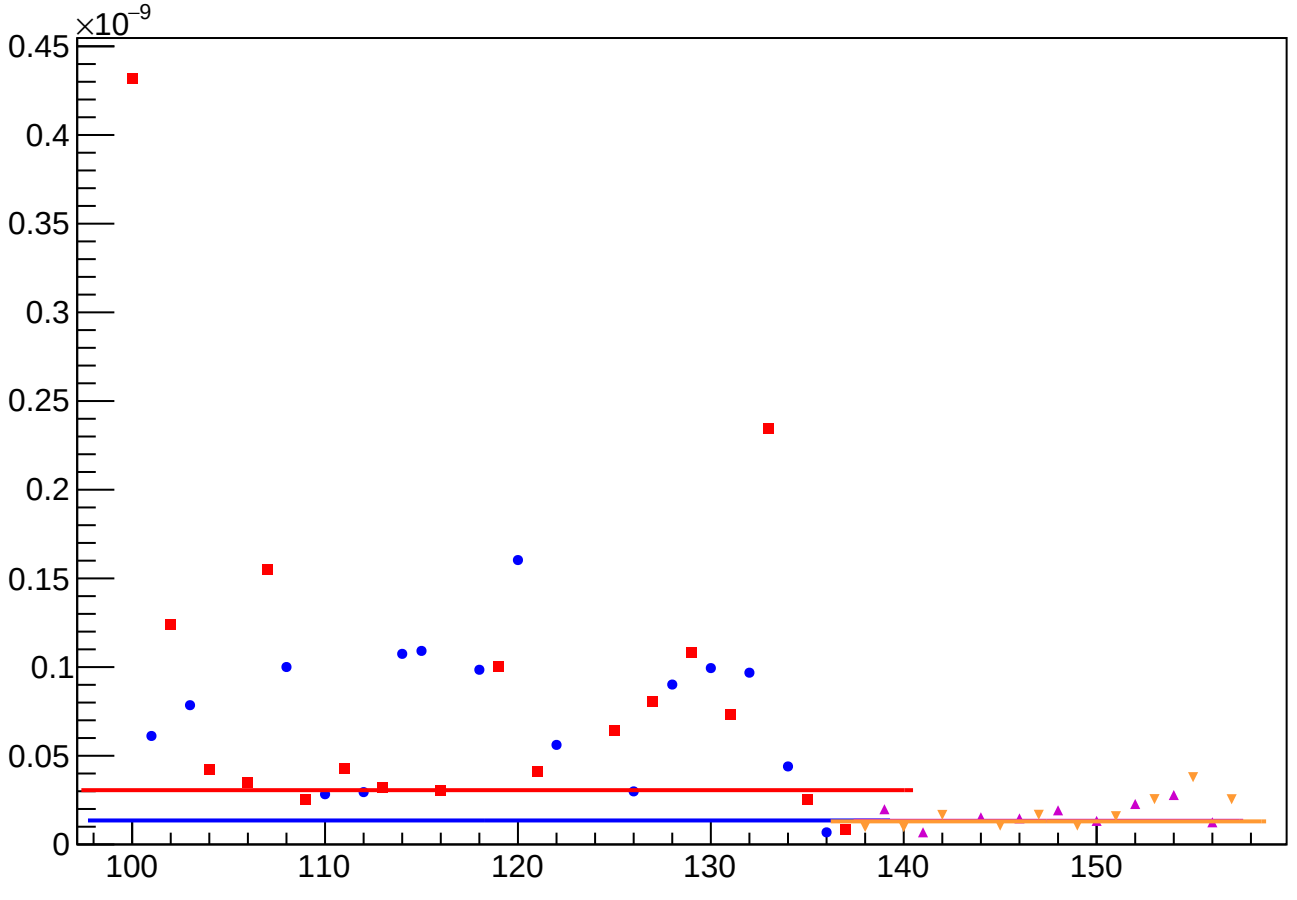
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:4.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/25

All: 0.000+/-0.000 χ^2/NDF: 64.7/52

- sign -0.000+/-0.000 χ^2/NDF: 24.2/26



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:893192.5/9

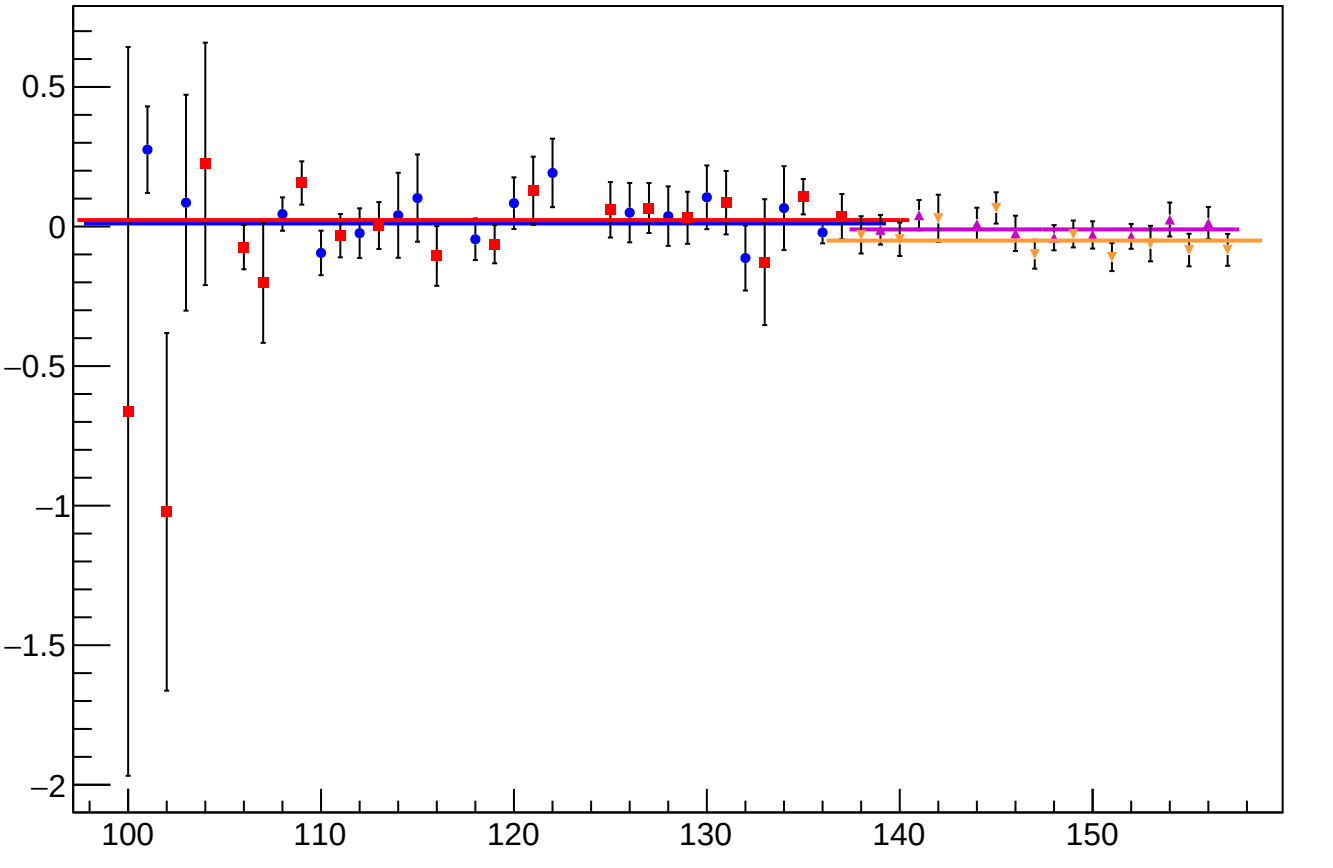
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:920231.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 4311304.4/25

All: 0.000+/-0.000 χ^2/NDF: 8572128.6/52

- sign 0.000+/-0.000 χ^2/NDF: 4184940.8/26



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

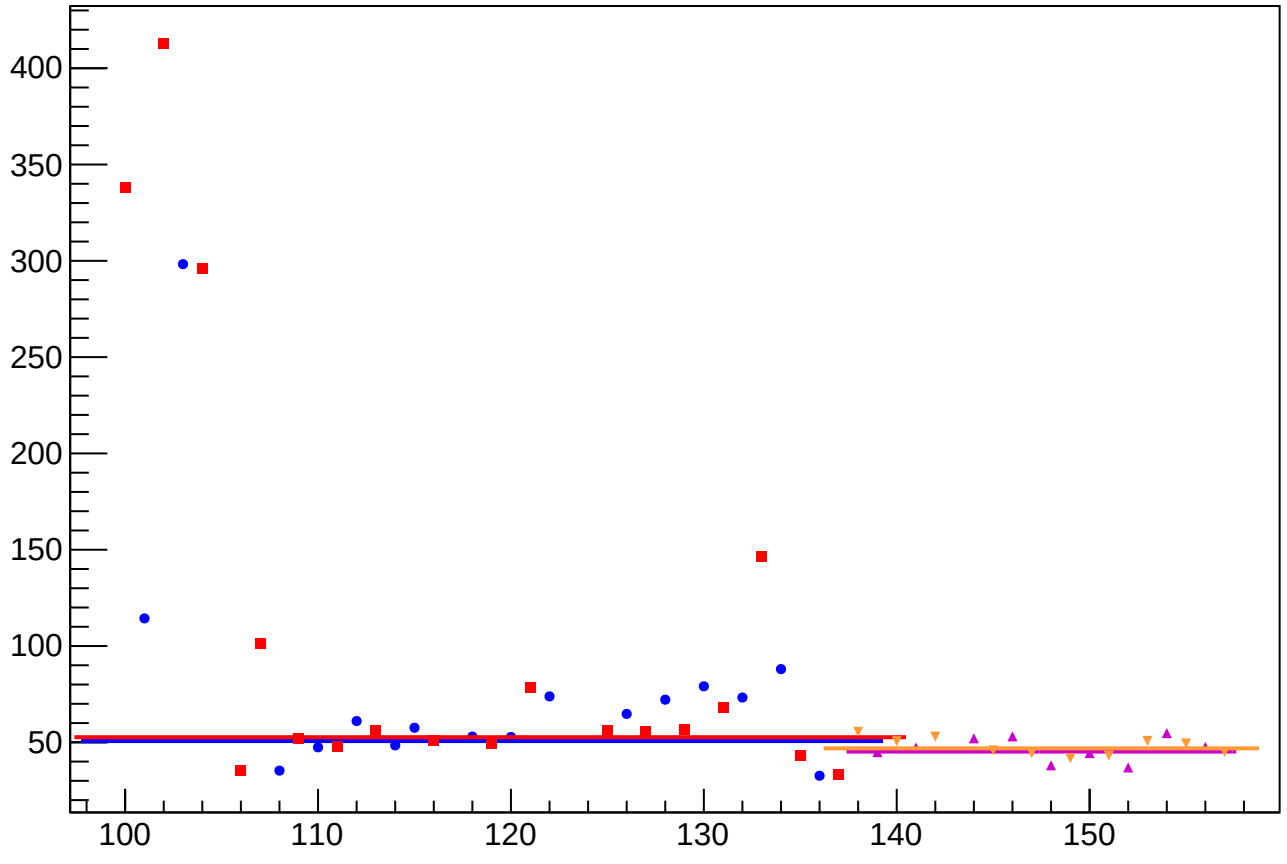
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.010+/-0.018 χ^2/NDF:2.5/8

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.012+/-0.010 χ^2/NDF: 46.5/52

- sign 0.002+/-0.014 χ^2/NDF: 19.7/26



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.855+/-0.013 χ^2/NDF:103519.5/9

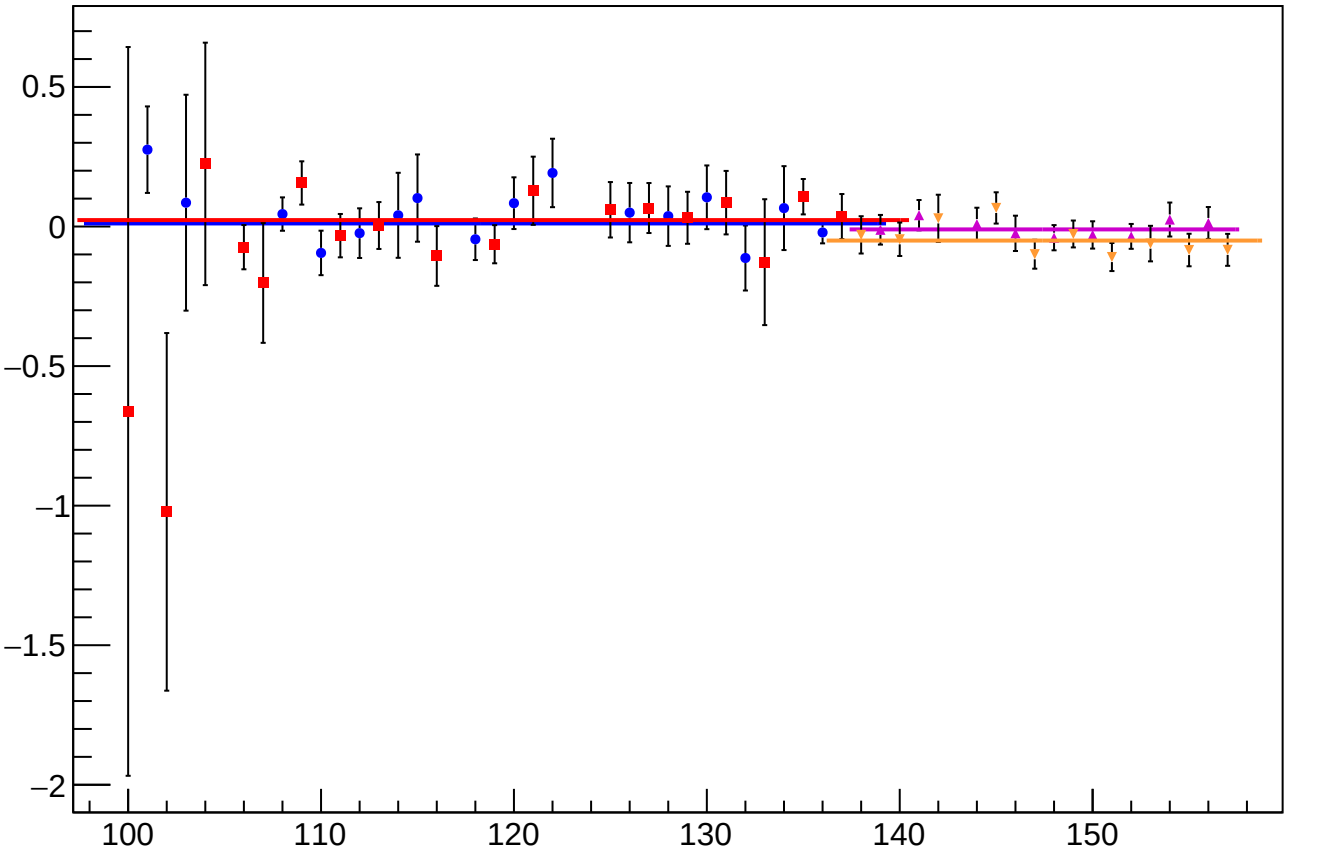
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.197+/-0.012 χ^2/NDF:233632.2/8

\+ sign 48.409+/-0.010 χ^2/NDF: 2405393.4/25

All: 48.176+/-0.007 χ^2/NDF: 4984188.8/52

\- sign 47.942+/-0.010 χ^2/NDF: 2577683.3/26



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

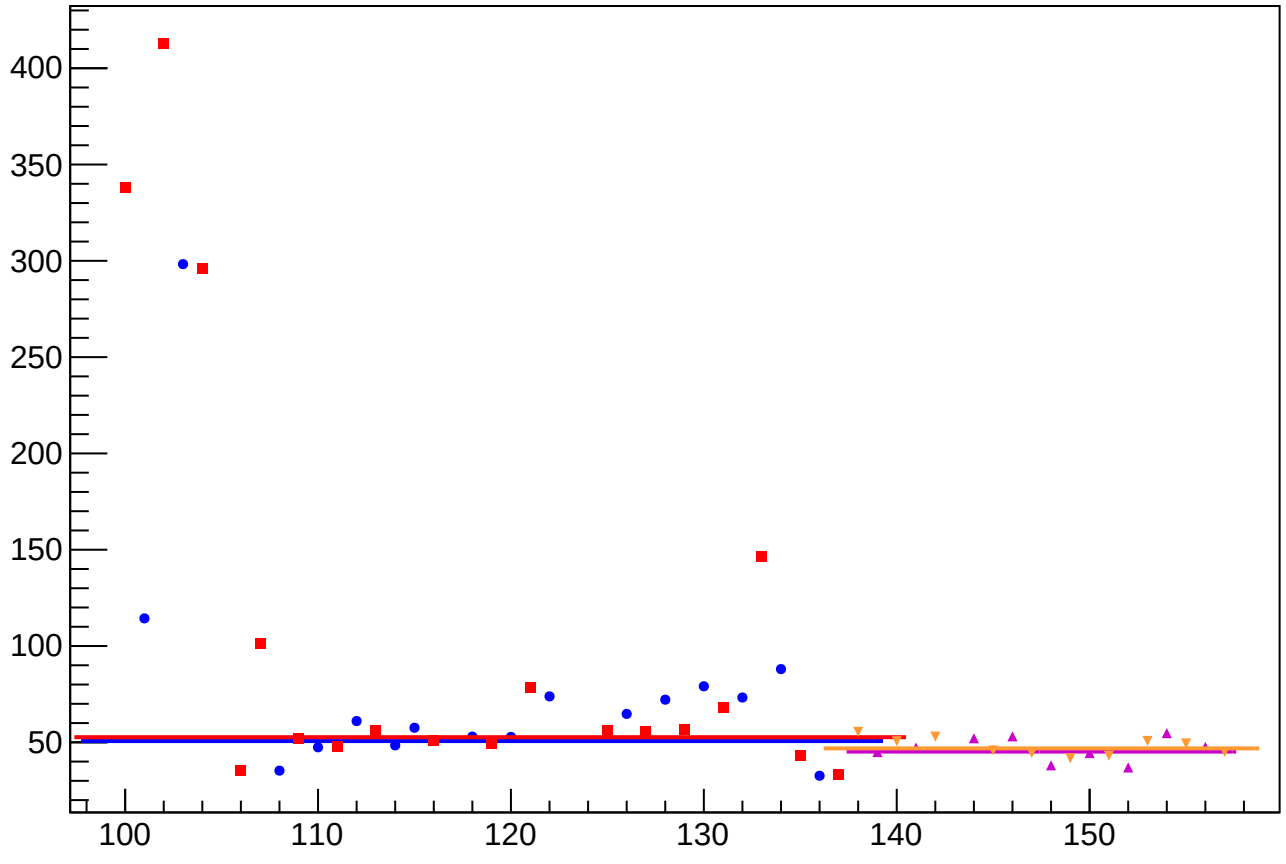
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.010+/-0.018 χ^2/NDF:2.5/8

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.012+/-0.010 χ^2/NDF: 46.5/52

- sign 0.002+/-0.014 χ^2/NDF: 19.7/26



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.855+/-0.013 χ^2/NDF:103519.5/9

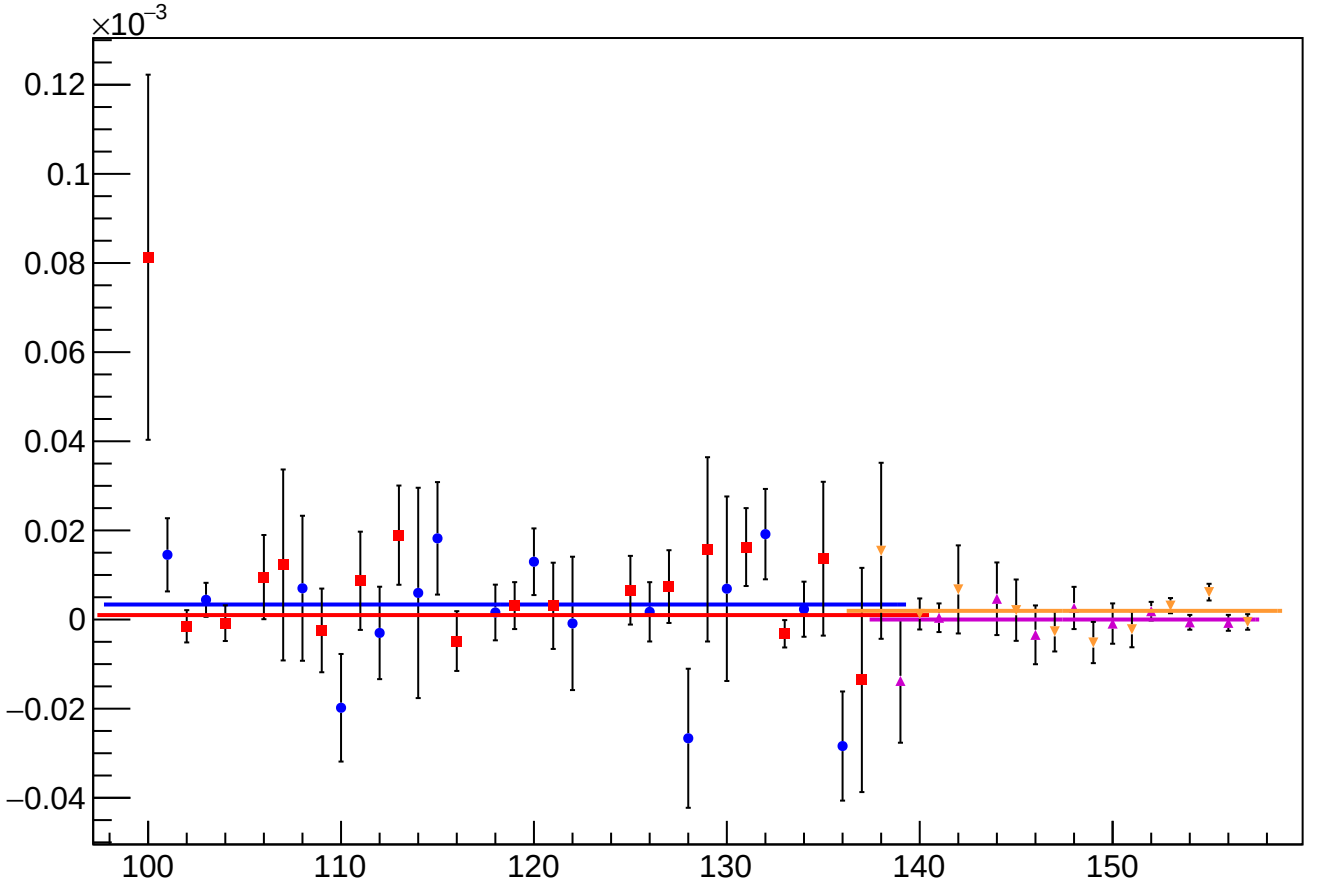
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.197+/-0.012 χ^2/NDF:233632.2/8

+ sign 48.409+/-0.010 χ^2/NDF: 2405393.4/25

All: 48.176+/-0.007 χ^2/NDF: 4984188.8/52

- sign 47.942+/-0.010 χ^2/NDF: 2577683.3/26



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/9

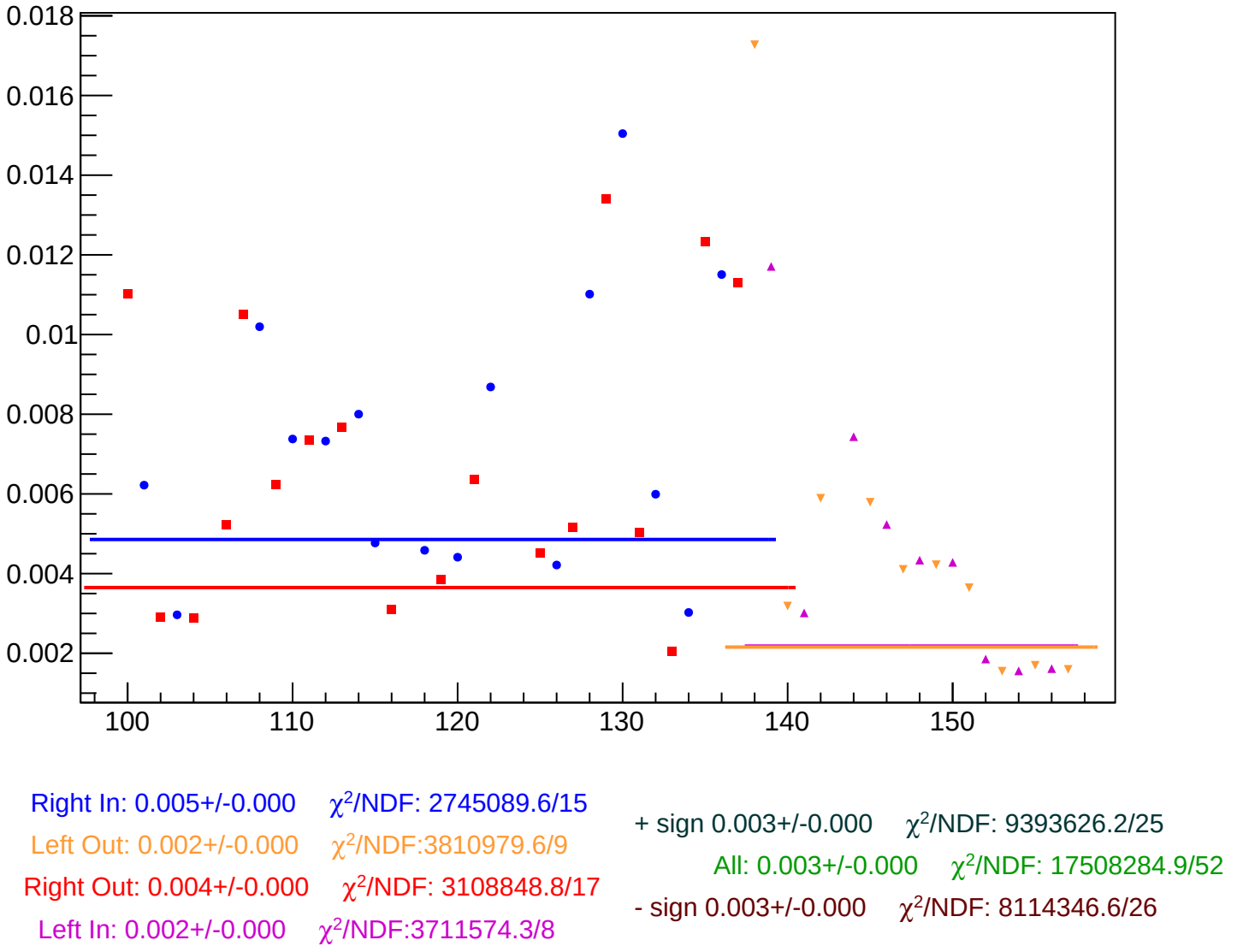
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

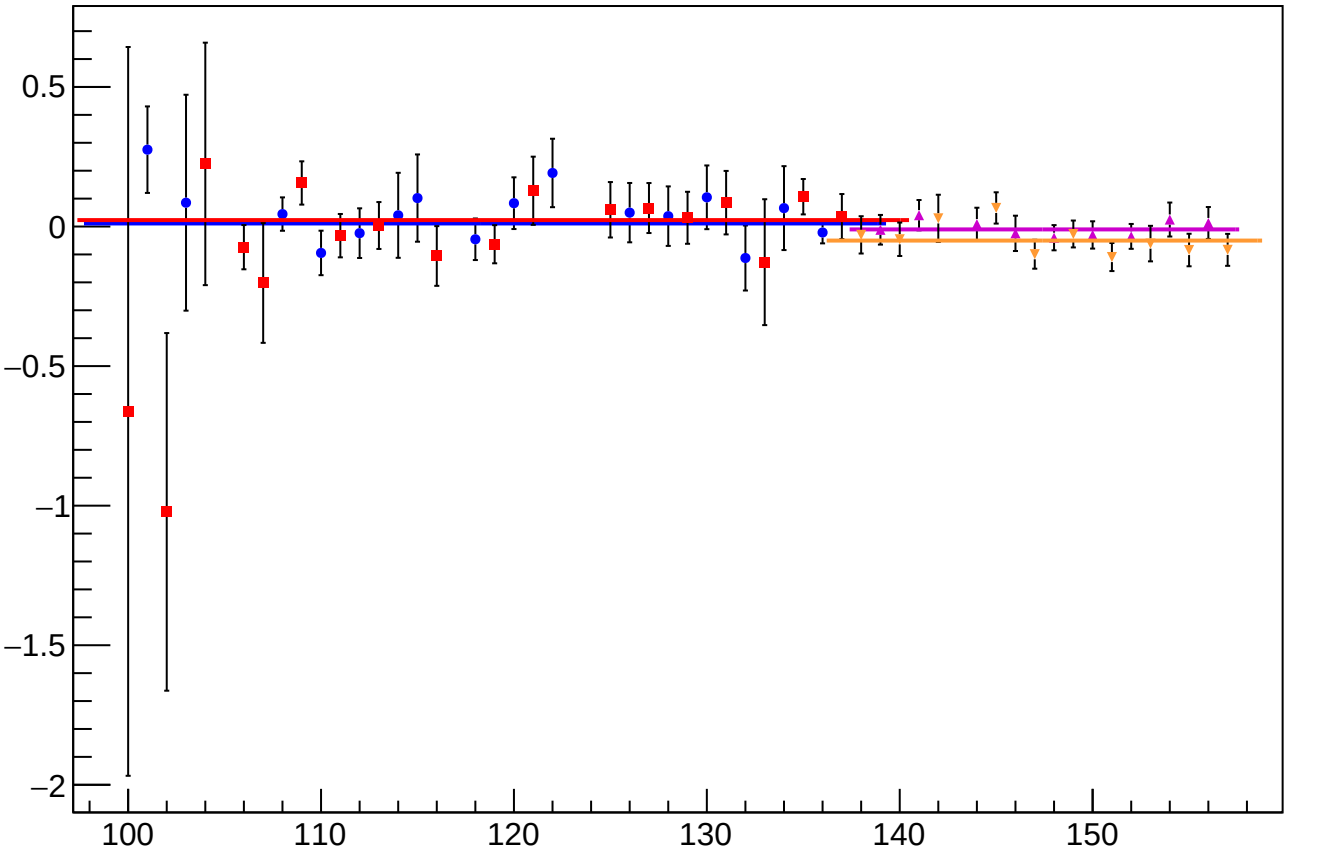
Left In: 0.000+/-0.000 χ^2/NDF:3.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/25

All: 0.000+/-0.000 χ^2/NDF: 58.7/52

- sign 0.000+/-0.000 χ^2/NDF: 20.6/26


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 2745089.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3810979.6/9
Right Out: 0.004+/-0.000 χ²/NDF: 3108848.8/17
Left In: 0.002+/-0.000 χ²/NDF:3711574.3/8
+ sign 0.003+/-0.000 χ²/NDF: 9393626.2/25
All: 0.003+/-0.000 χ²/NDF: 17508284.9/52
- sign 0.003+/-0.000 χ²/NDF: 8114346.6/26



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.018 χ^2/NDF:8.5/9

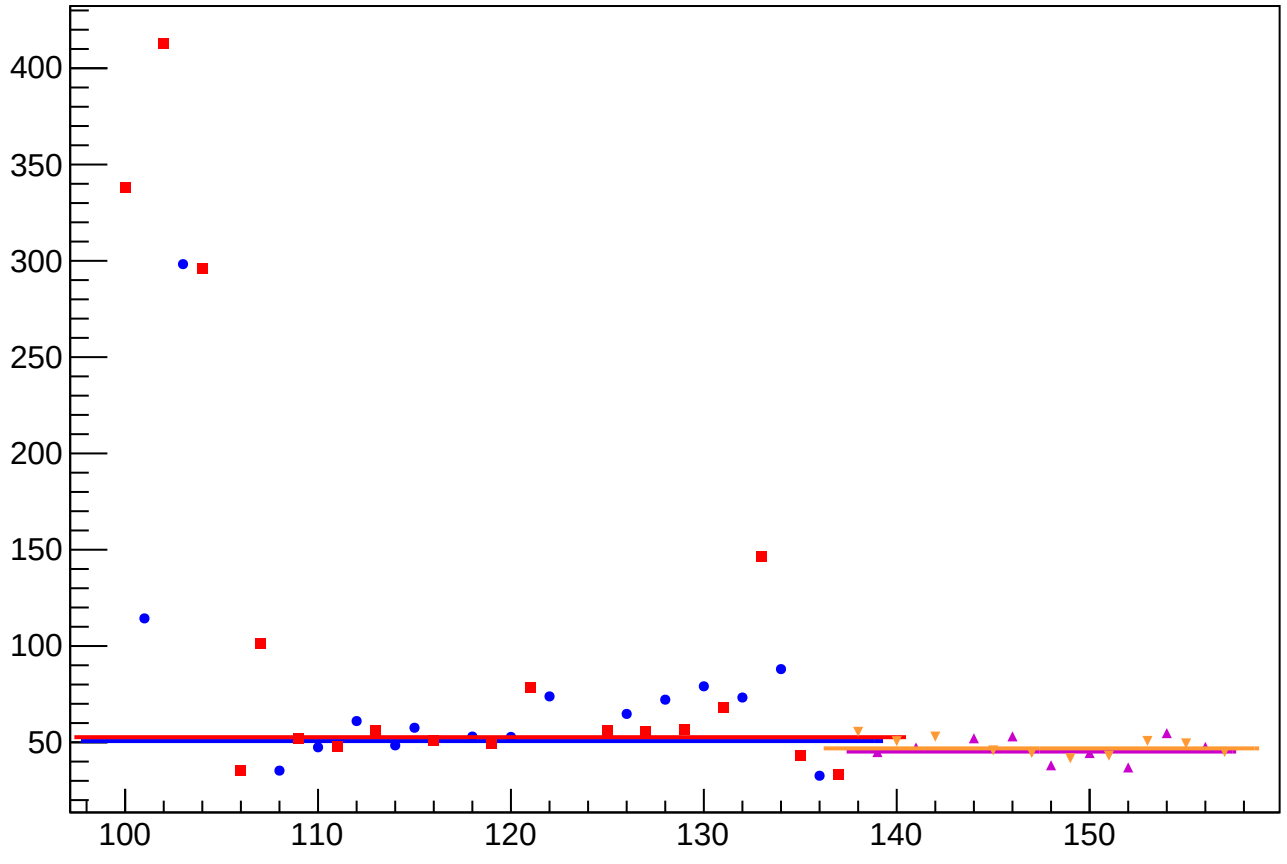
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.010+/-0.018 χ^2/NDF:2.5/8

+ sign -0.025+/-0.014 χ^2/NDF: 24.9/25

All: -0.012+/-0.010 χ^2/NDF: 46.5/52

- sign 0.002+/-0.014 χ^2/NDF: 19.7/26



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.855+/-0.013 χ^2/NDF:103538.5/9

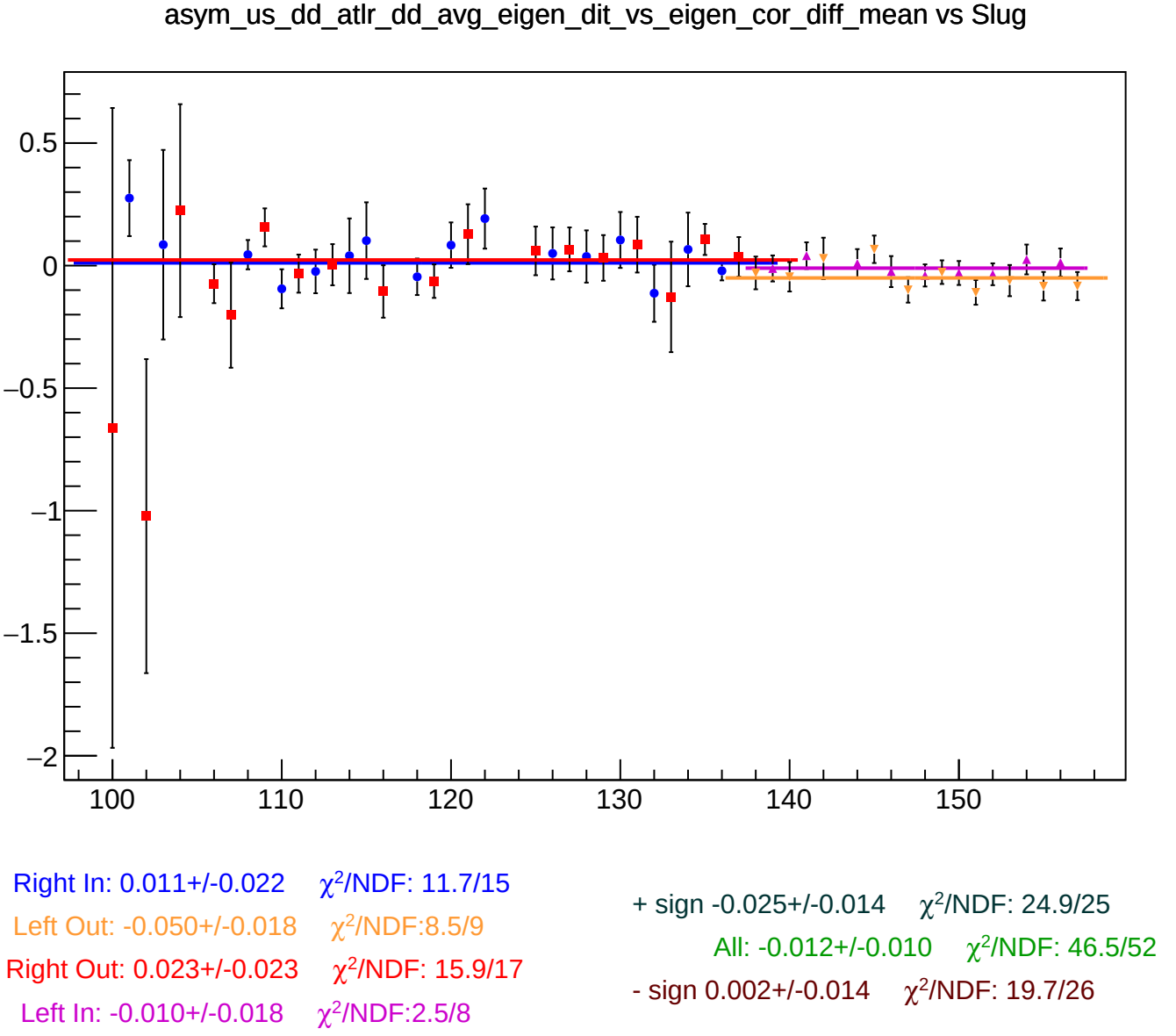
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

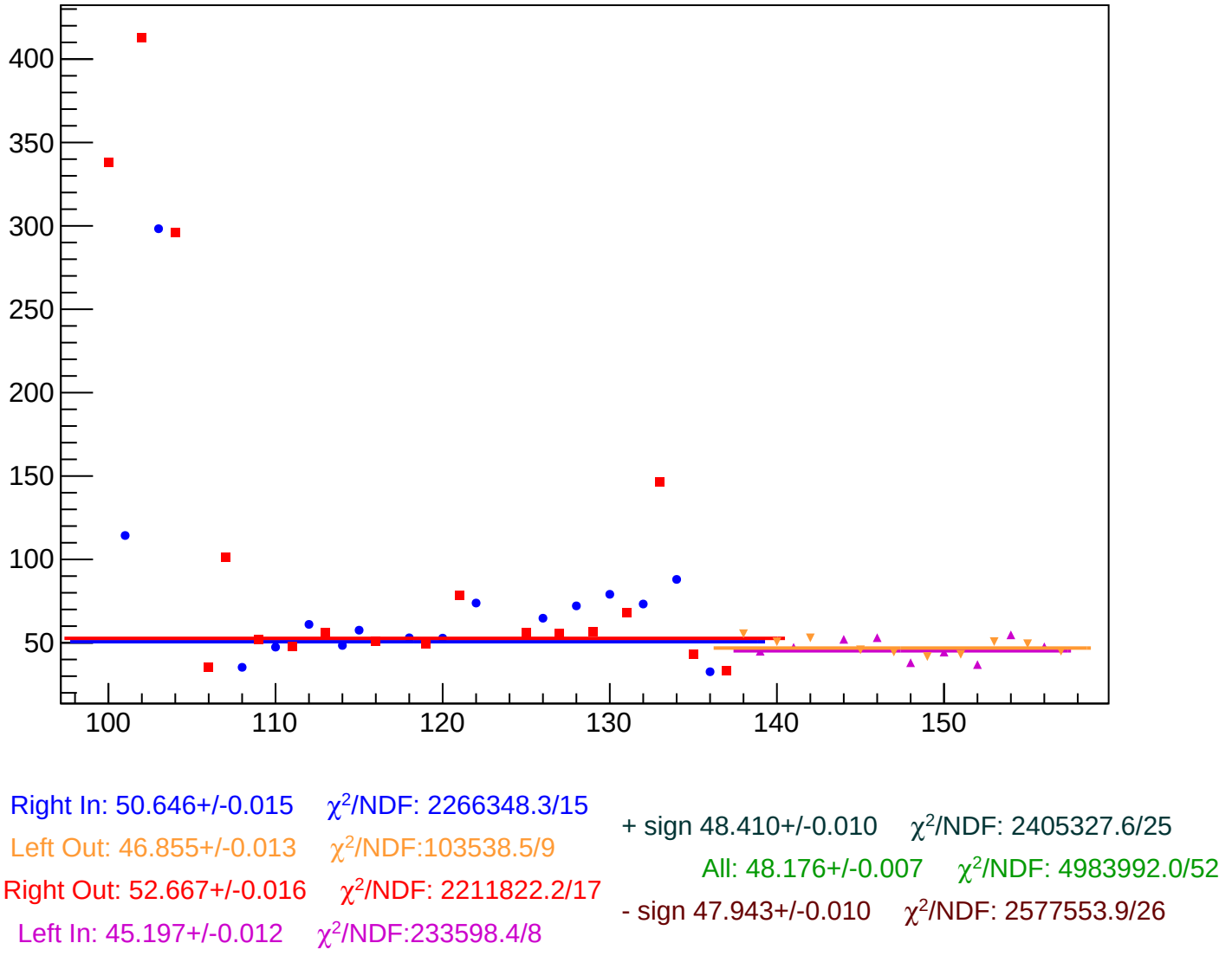
Left In: 45.197+/-0.012 χ^2/NDF:233598.4/8

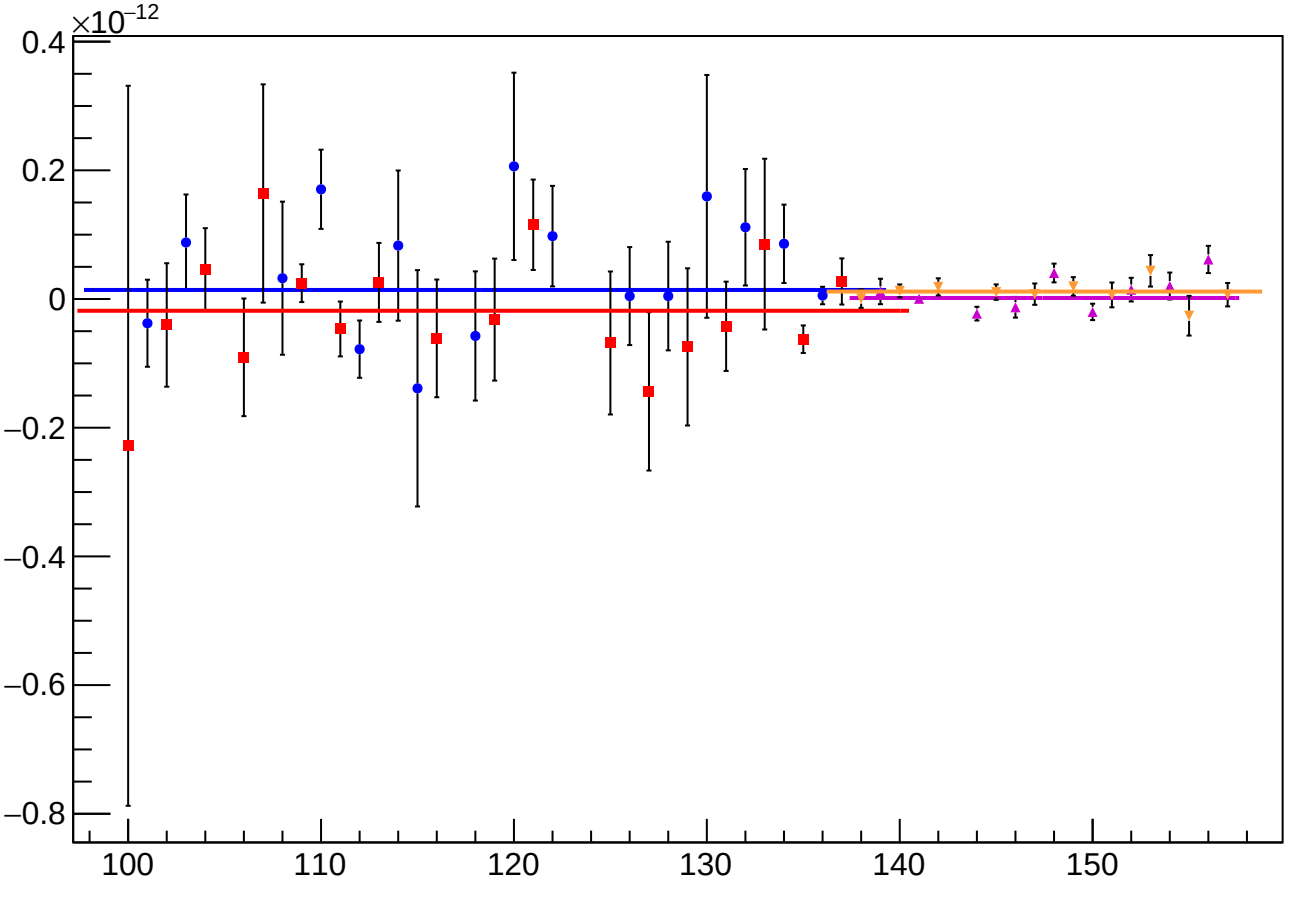
+ sign 48.410+/-0.010 χ^2/NDF: 2405327.6/25

All: 48.176+/-0.007 χ^2/NDF: 4983992.0/52

- sign 47.943+/-0.010 χ^2/NDF: 2577553.9/26


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.050+/-0.018 χ²/NDF:8.5/9
Right Out: 0.023+/-0.023 χ²/NDF: 15.9/17
Left In: -0.010+/-0.018 χ²/NDF:2.5/8
+ sign -0.025+/-0.014 χ²/NDF: 24.9/25
All: -0.012+/-0.010 χ²/NDF: 46.5/52
- sign 0.002+/-0.014 χ²/NDF: 19.7/26


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
400
350
300
250
200
150
100
50
100
110
120
130
140
150
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.855+/-0.013 χ²/NDF:103538.5/9
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.197+/-0.012 χ²/NDF:233598.4/8
+ sign 48.410+/-0.010 χ²/NDF: 2405327.6/25
All: 48.176+/-0.007 χ²/NDF: 4983992.0/52
- sign 47.943+/-0.010 χ²/NDF: 2577553.9/26



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/9

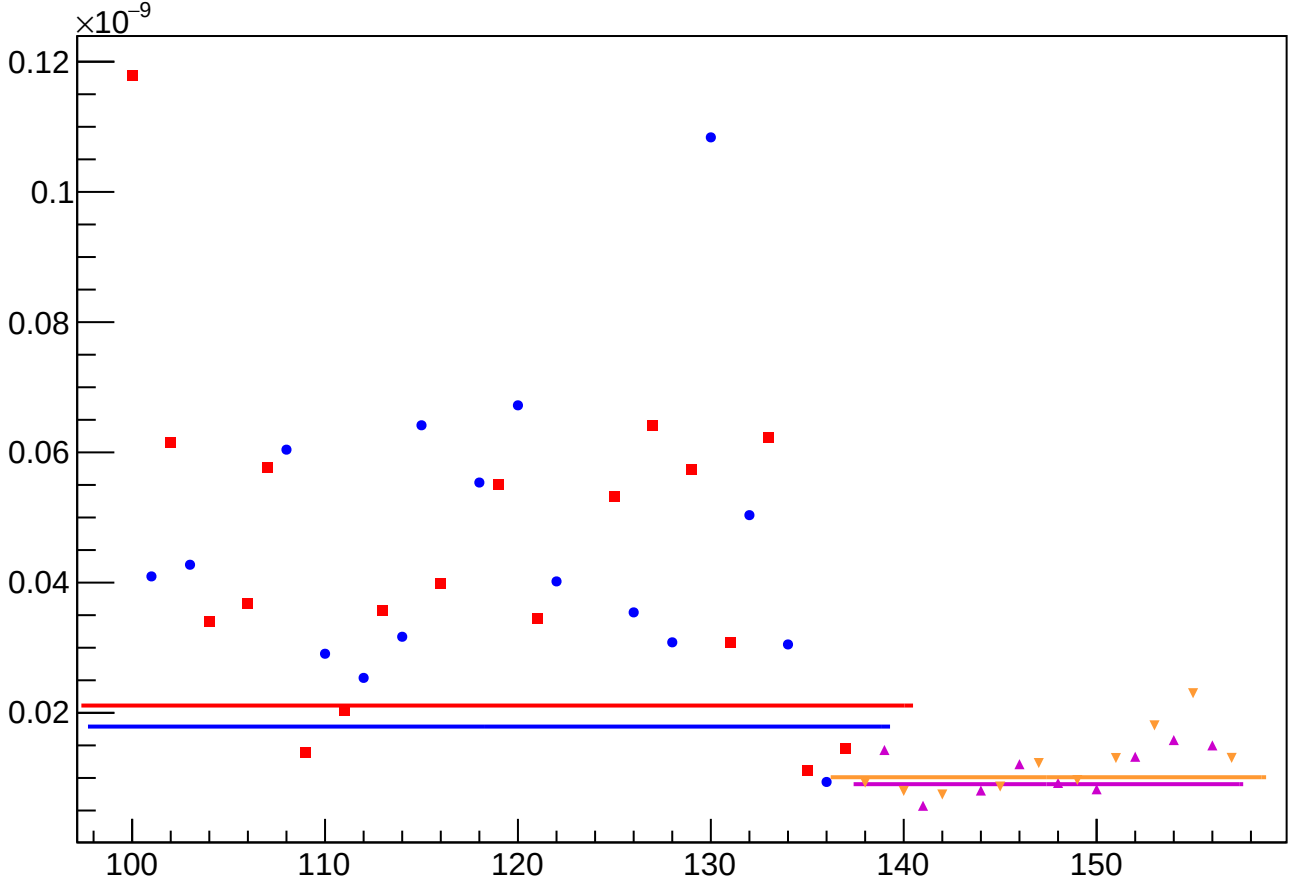
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:25.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 25.0/25

All: 0.000+/-0.000 χ^2/NDF: 75.1/52

- sign -0.000+/-0.000 χ^2/NDF: 45.8/26



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:898854.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

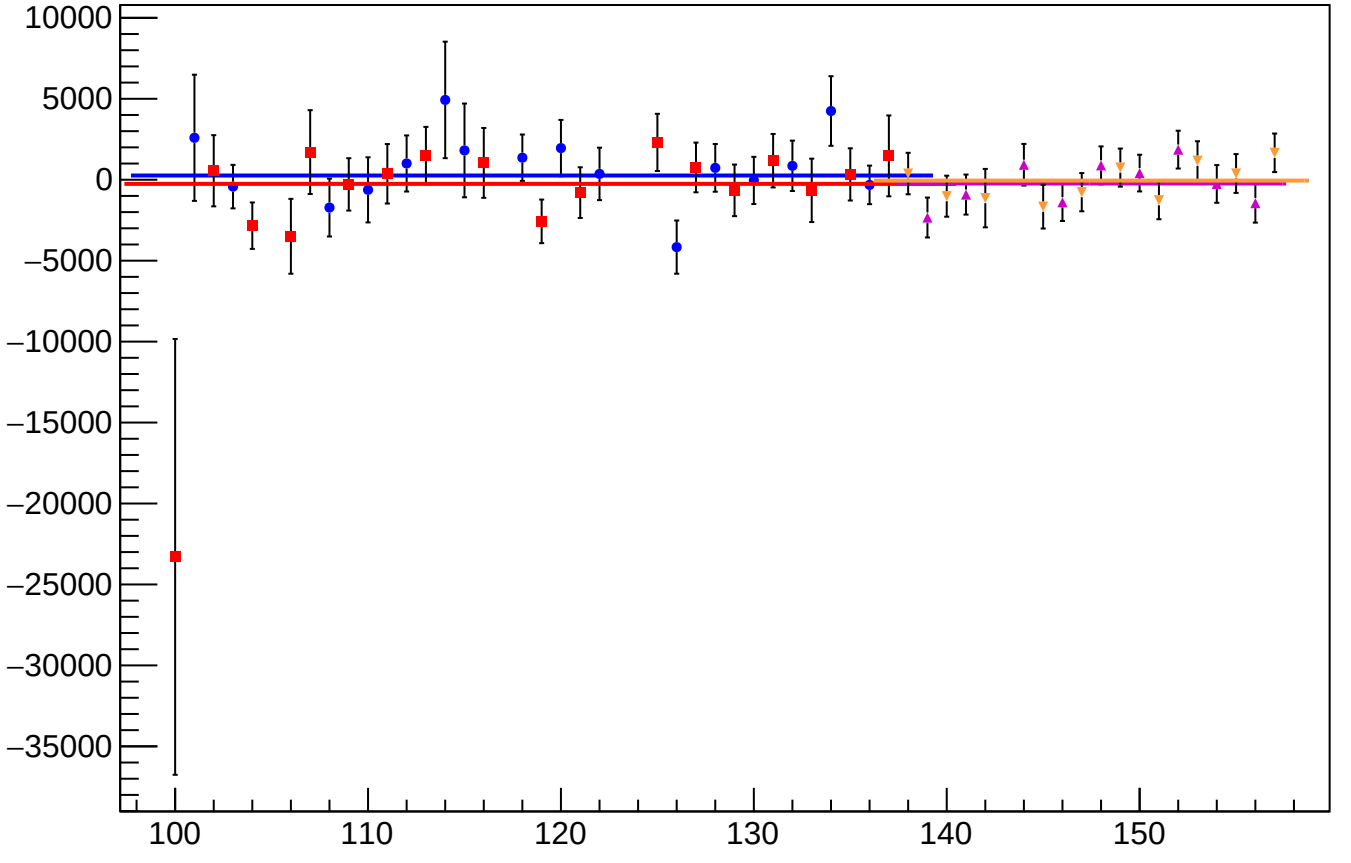
Left In: 0.000+/-0.000 χ^2/NDF:1069060.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 5099191.8/25

All: 0.000+/-0.000 χ^2/NDF: 10476811.8/52

- sign 0.000+/-0.000 χ^2/NDF: 5336652.3/26

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.026+/-396.842 χ^2/NDF:7.6/9

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

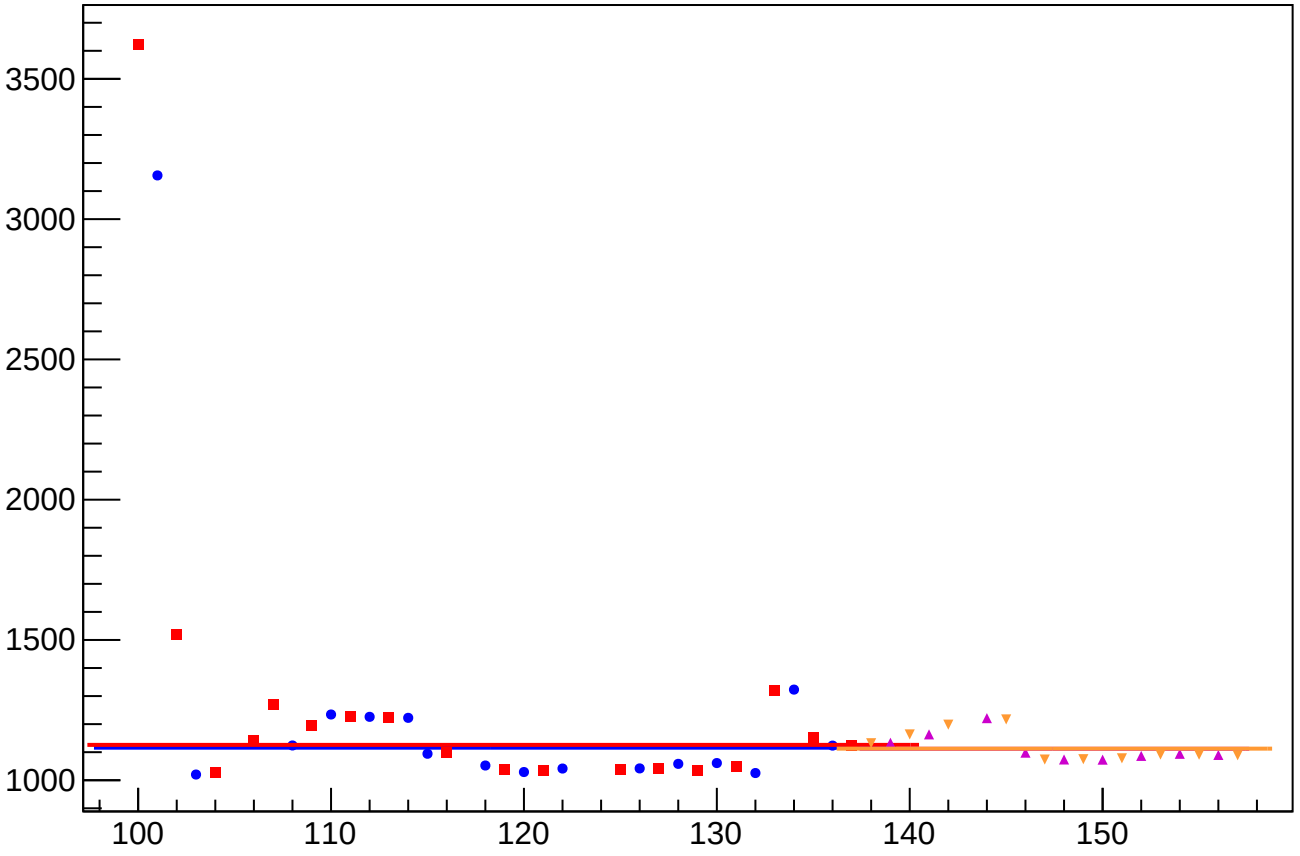
Left In: -232.993+/-397.403 χ^2/NDF:10.5/8

+ sign 93.272+/-289.945 χ^2/NDF: 24.9/25

All: -74.865+/-205.226 χ^2/NDF: 53.4/52

- sign -243.673+/-290.522 χ^2/NDF: 27.9/26

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

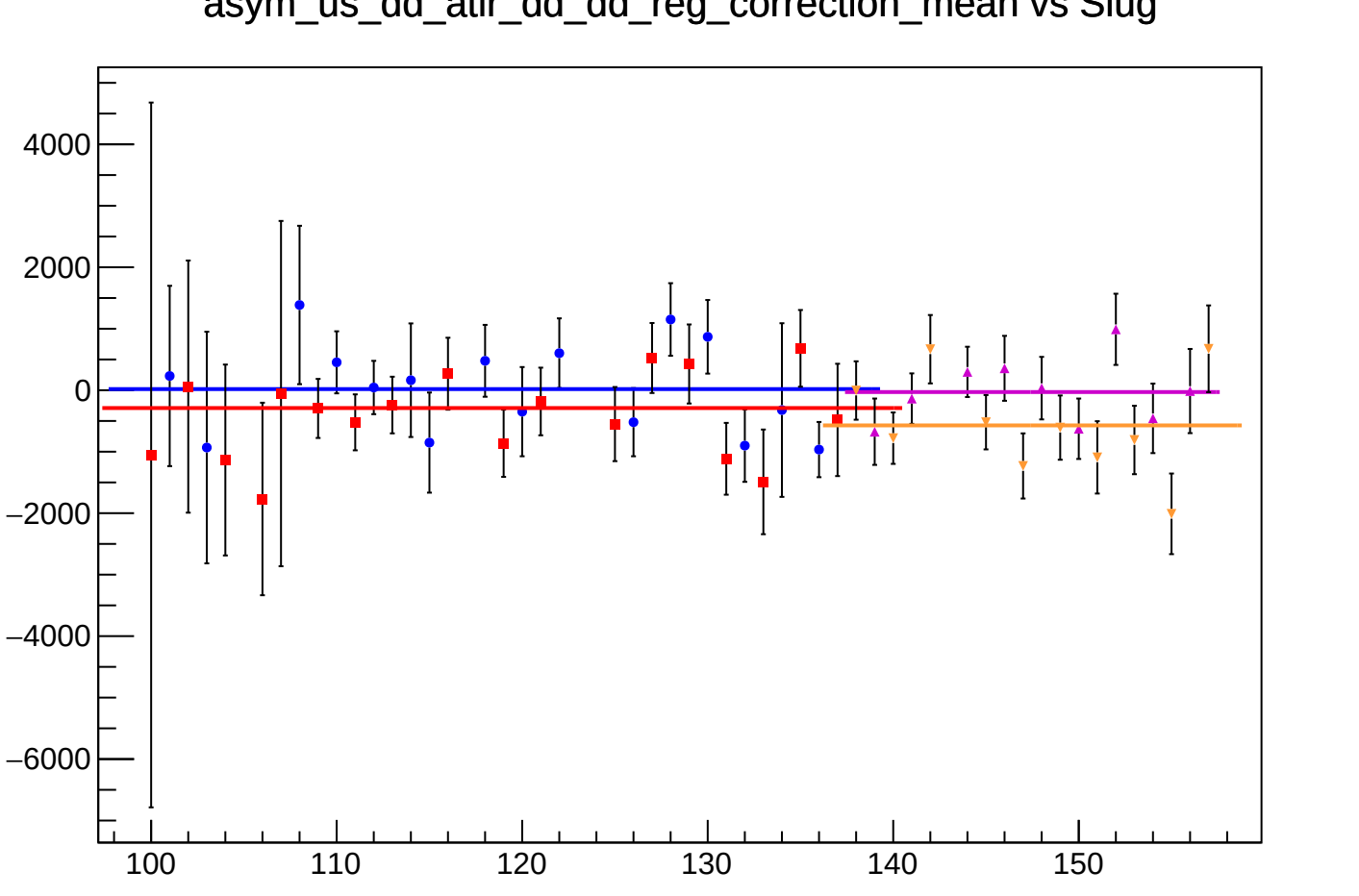
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1111.933+/-0.281 χ^2/NDF:25265.6/8

+ sign 1114.234+/-0.205 χ^2/NDF: 651508.5/25

All: 1116.358+/-0.145 χ^2/NDF: 900264.2/52

- sign 1118.489+/-0.205 χ^2/NDF: 248540.9/26



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -572.228+/-166.275 χ^2/NDF:17.1/9

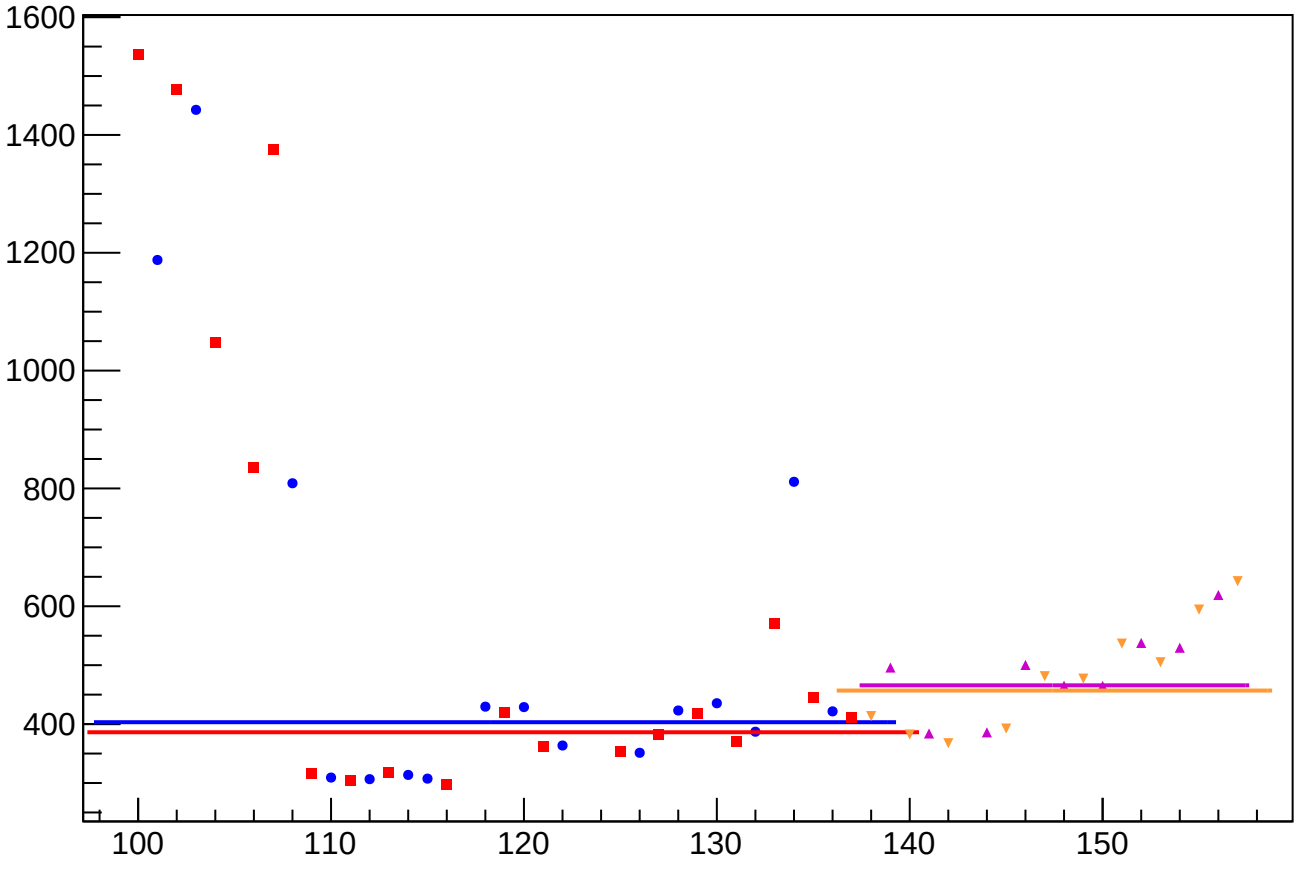
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -29.538+/-168.567 χ^2/NDF:7.8/8

\+ sign -267.796+/-115.752 χ^2/NDF: 42.8/25

All: -218.220+/-81.427 χ^2/NDF: 65.8/52

\- sign -169.653+/-114.569 χ^2/NDF: 22.6/26



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 456.945+/-0.118 χ^2/NDF:459479.4/9

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

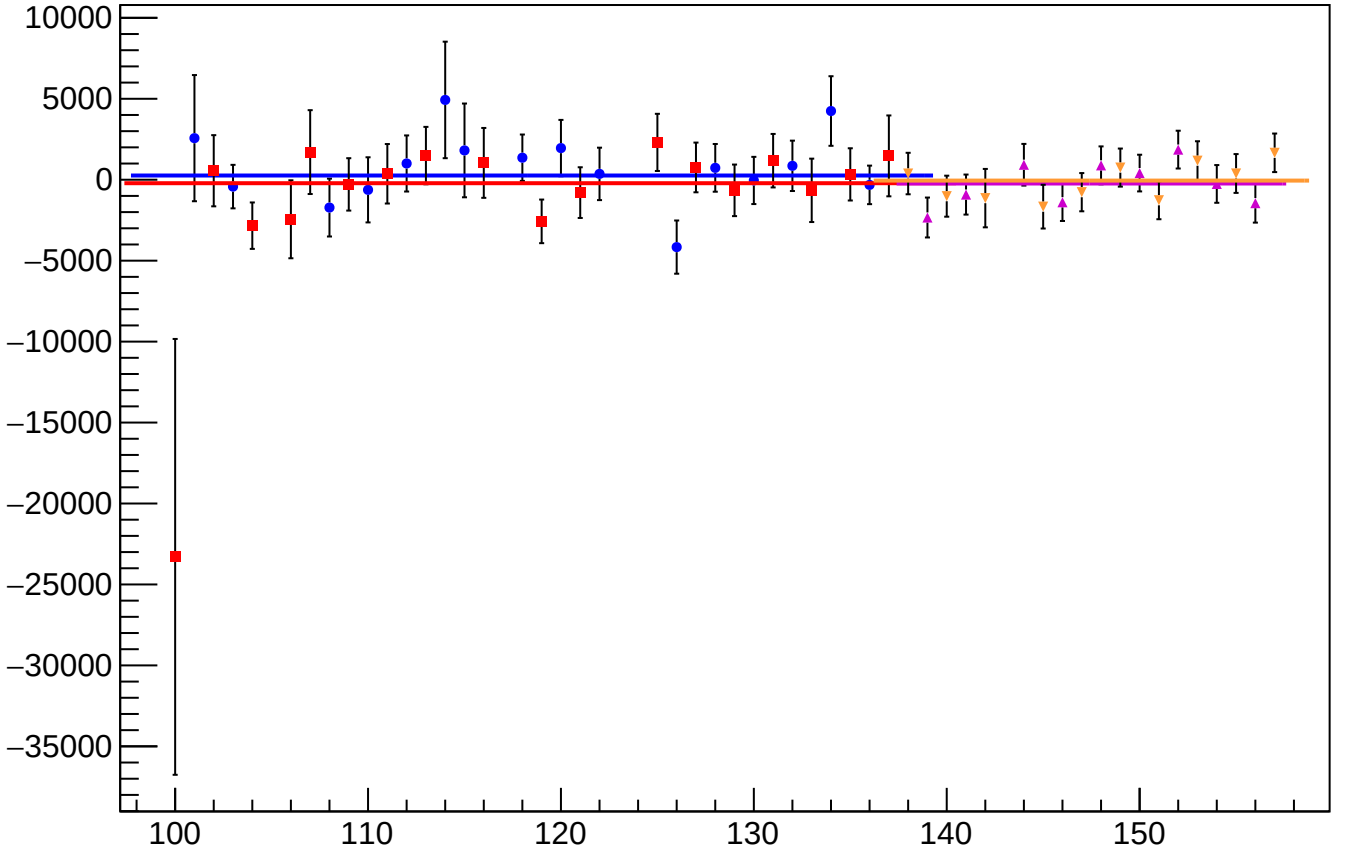
Left In: 465.793+/-0.119 χ^2/NDF:327188.3/8

+ sign 429.243+/-0.082 χ^2/NDF: 2375626.1/25

All: 426.058+/-0.058 χ^2/NDF: 4705172.2/52

- sign 422.938+/-0.081 χ^2/NDF: 2326549.2/26

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

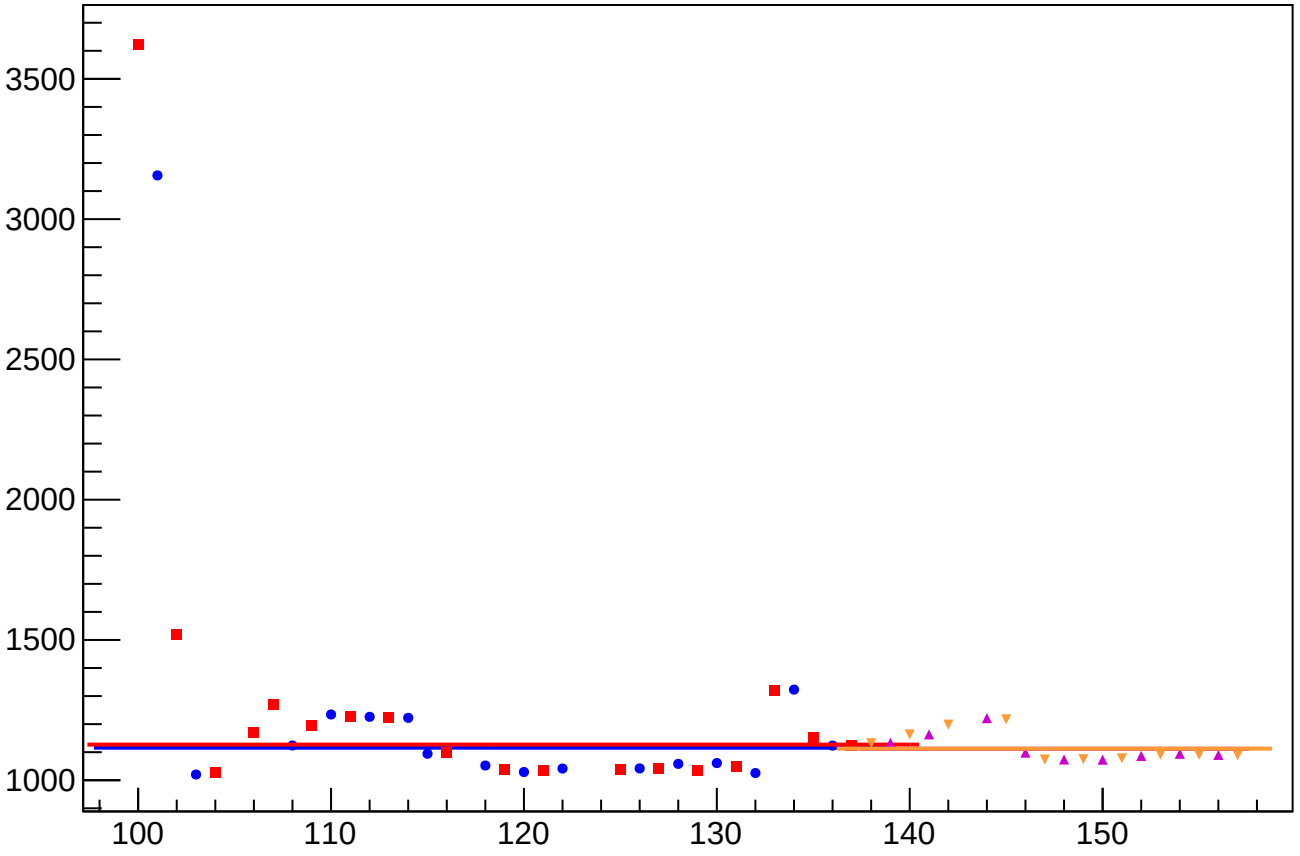
Left In: -232.976+/-397.403 χ^2/NDF:10.5/8

+ sign 93.105+/-289.945 χ^2/NDF: 24.9/25

All: -65.228+/-205.288 χ^2/NDF: 52.2/52

- sign -224.387+/-290.699 χ^2/NDF: 26.7/26

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

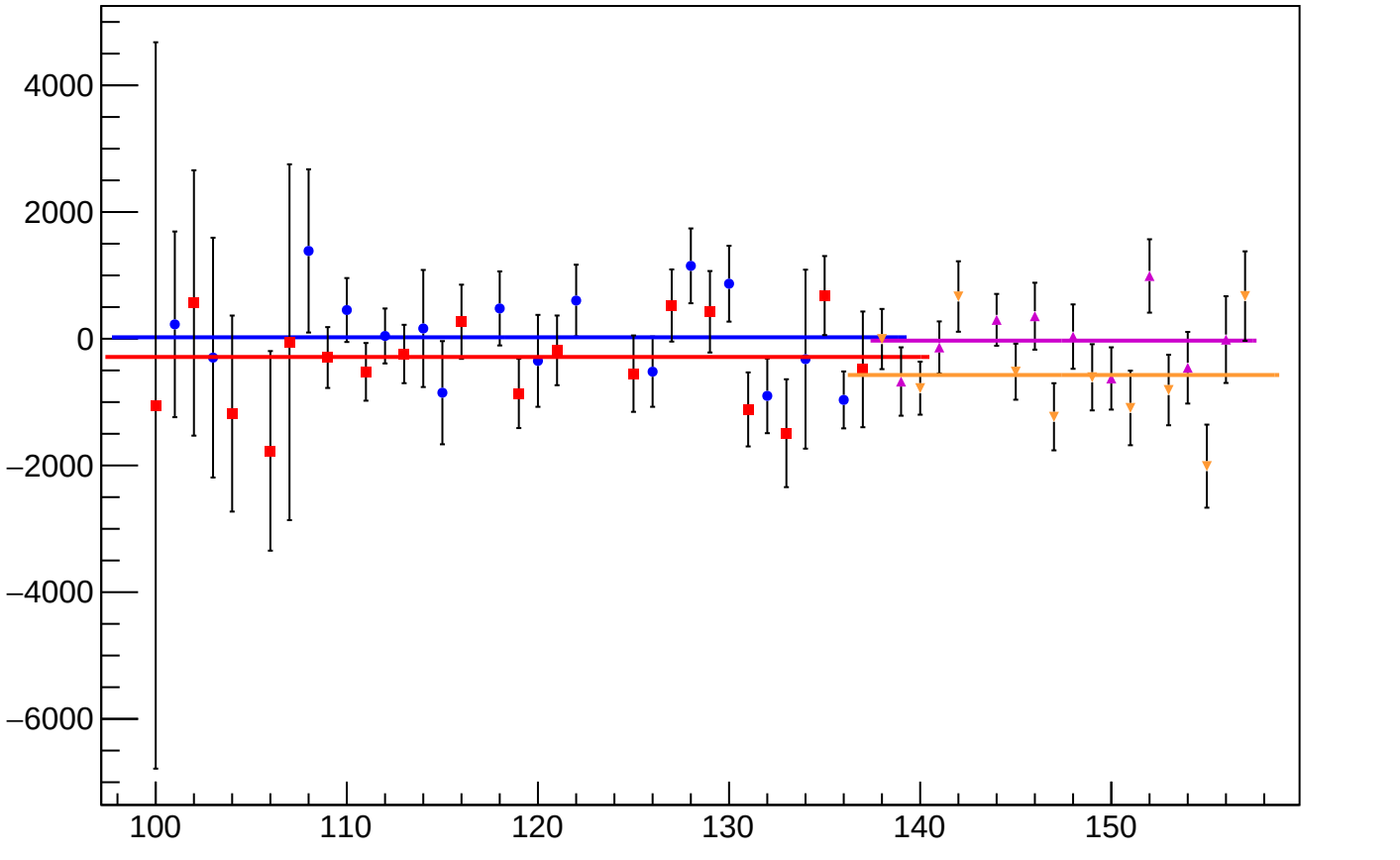
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1111.933+/-0.281 χ^2/NDF:25265.6/8

+ sign 1114.234+/-0.205 χ^2/NDF: 651509.5/25

All: 1116.571+/-0.145 χ^2/NDF: 901105.2/52

- sign 1118.919+/-0.206 χ^2/NDF: 249335.3/26



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -572.332+/-166.275 χ^2/NDF:17.1/9

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

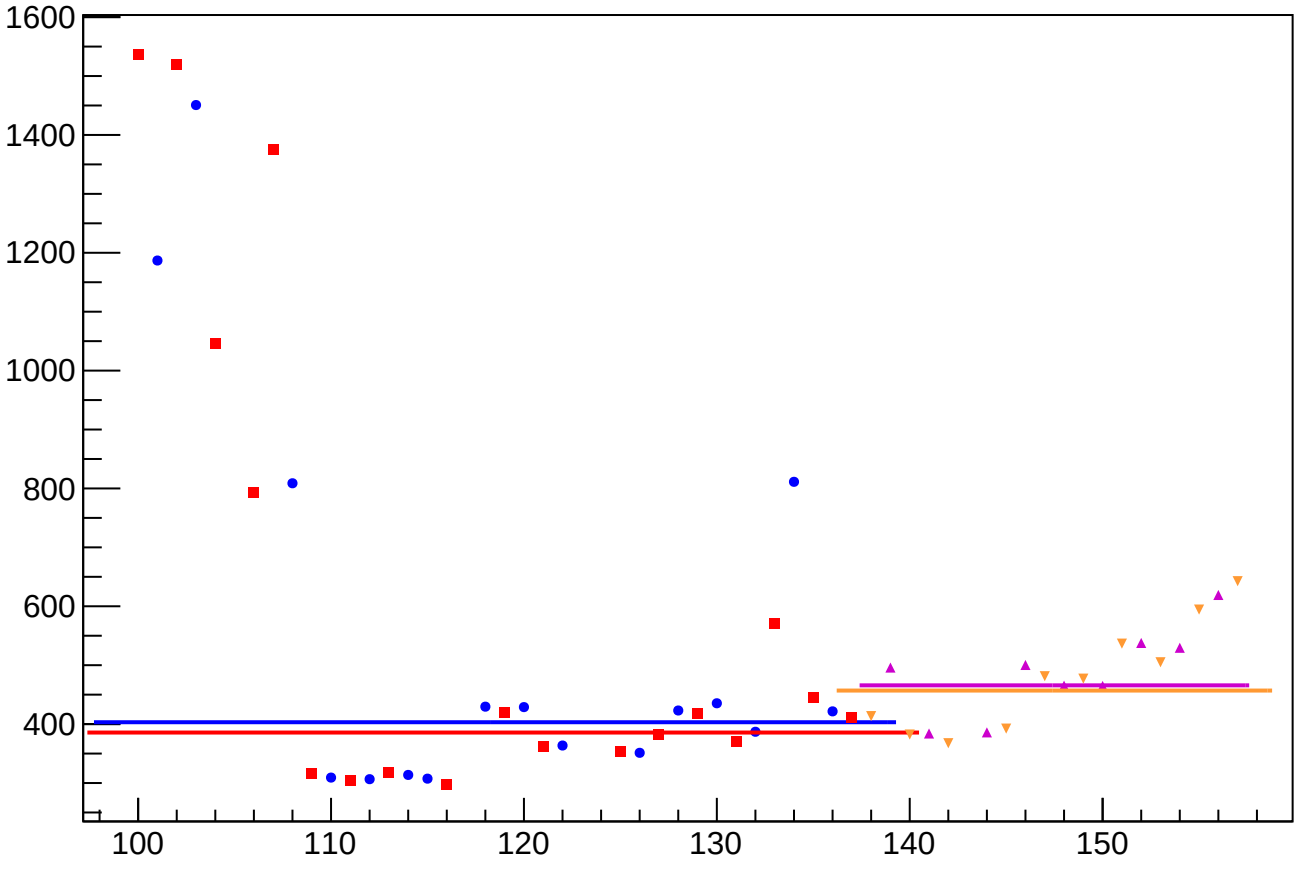
Left In: -29.579+/-168.566 χ^2/NDF:7.8/8

\+ sign -265.553+/-115.752 χ^2/NDF: 42.7/25

All: -216.480+/-81.431 χ^2/NDF: 65.8/52

\- sign -168.397+/-114.577 χ^2/NDF: 22.8/26

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

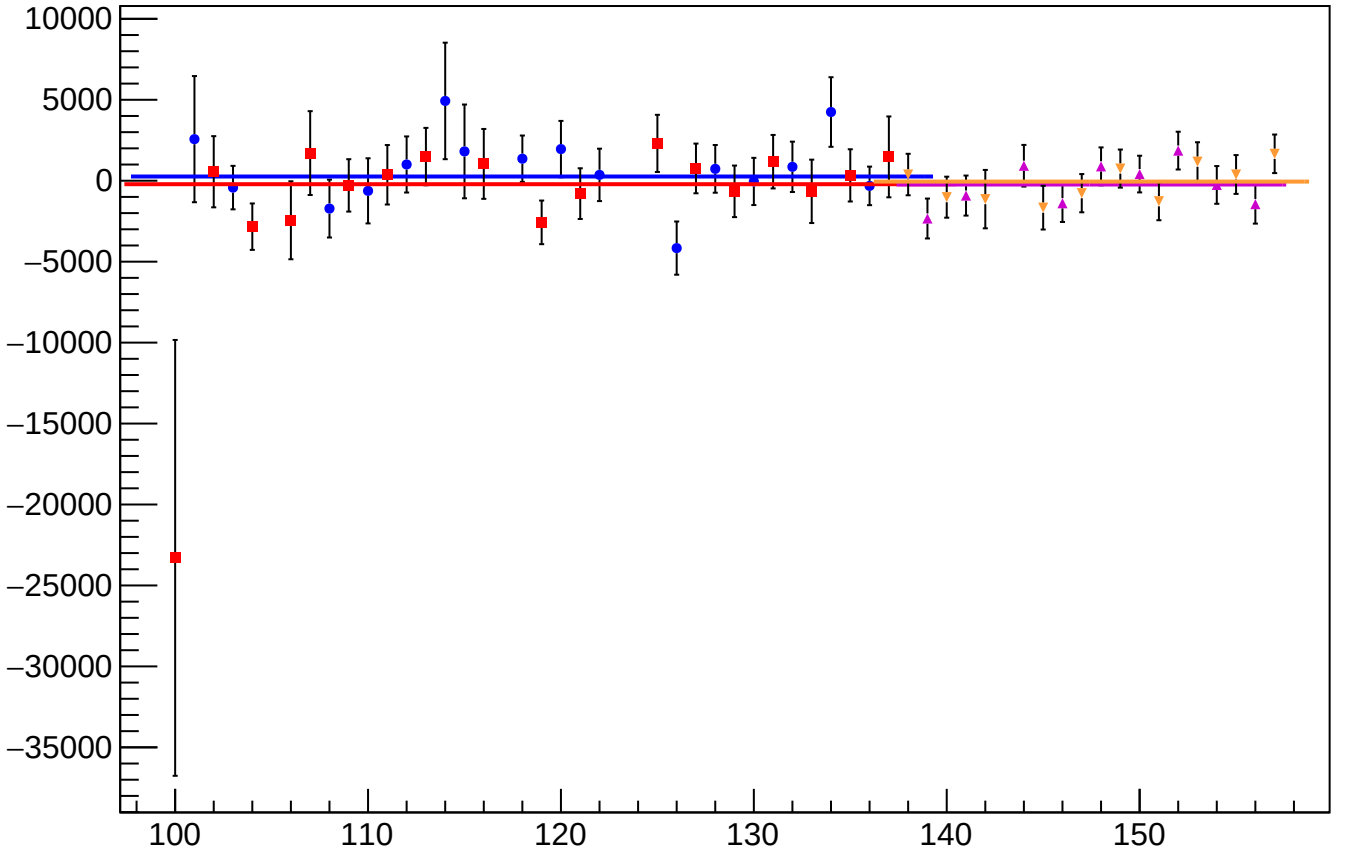
Left In: 465.789+/-0.119 χ^2/NDF:327166.8/8

+ sign 429.236+/-0.082 χ^2/NDF: 2379363.7/25

All: 425.931+/-0.058 χ^2/NDF: 4699912.8/52

- sign 422.693+/-0.081 χ^2/NDF: 2317321.4/26

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -53.005+/-396.842 χ^2/NDF:7.6/9

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

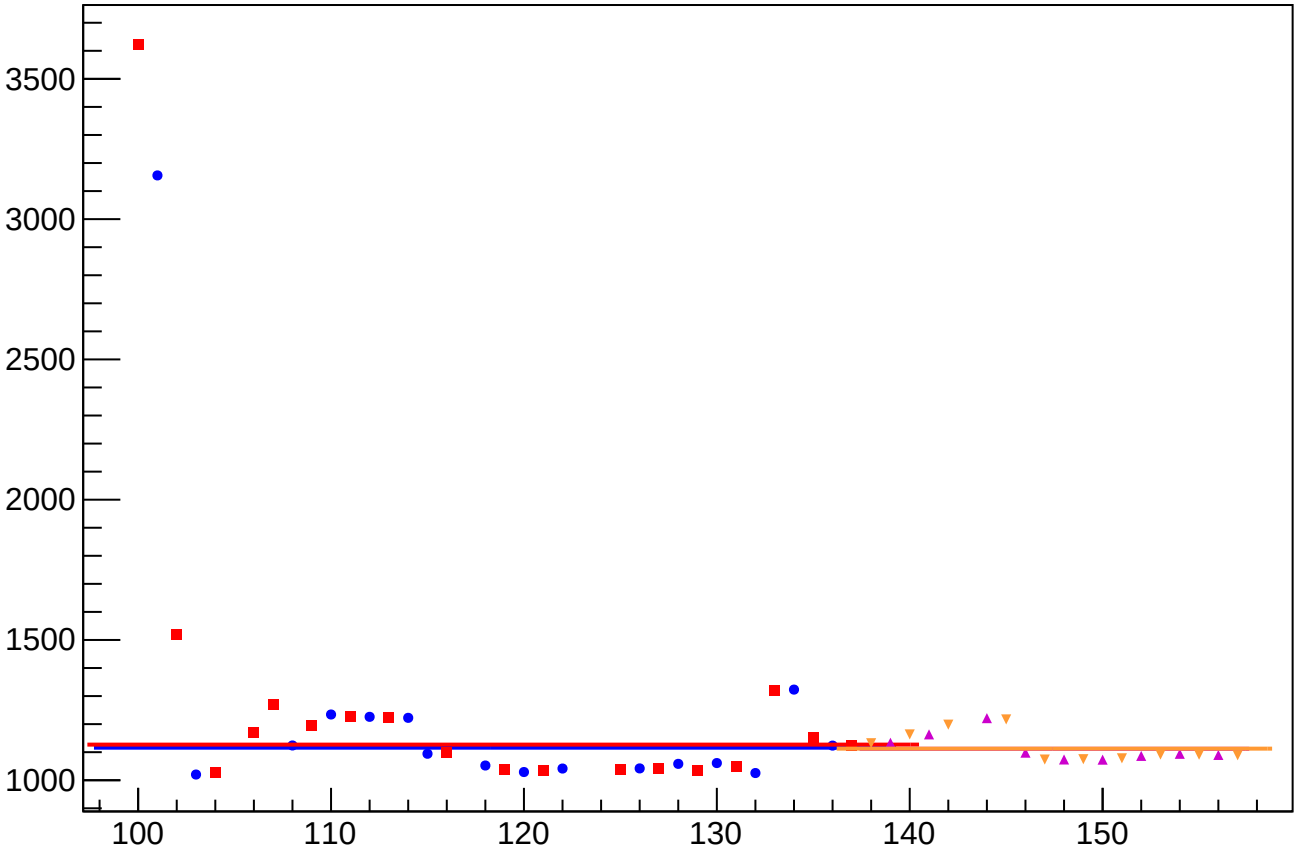
Left In: -232.976+/-397.403 χ^2/NDF:10.5/8

+ sign 93.105+/-289.945 χ^2/NDF: 24.9/25

All: -65.228+/-205.288 χ^2/NDF: 52.2/52

- sign -224.387+/-290.699 χ^2/NDF: 26.7/26

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1112.615+/-0.281 χ^2/NDF:28046.1/9

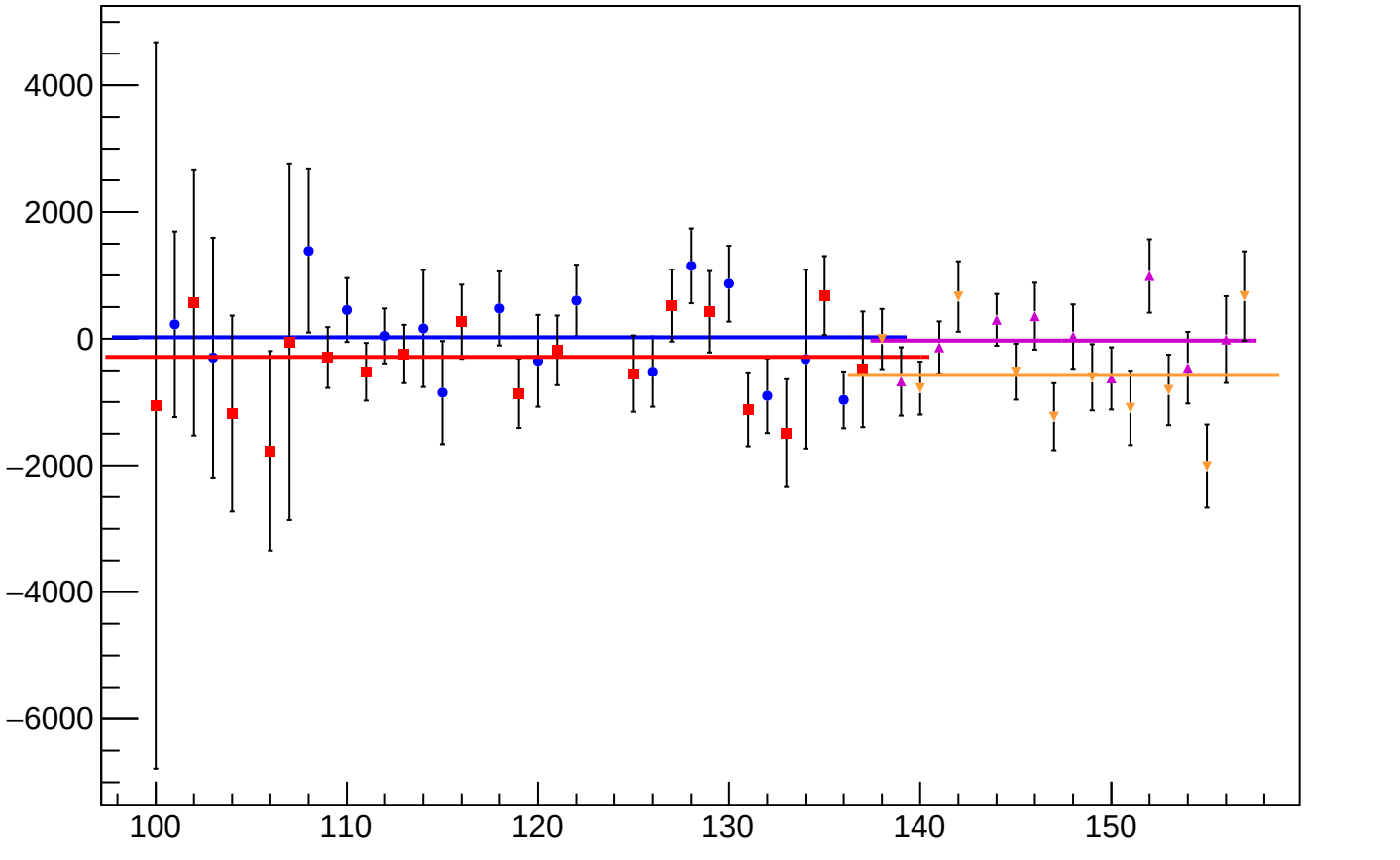
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1111.933+/-0.281 χ^2/NDF:25265.6/8

+ sign 1114.234+/-0.205 χ^2/NDF: 651509.5/25

All: 1116.571+/-0.145 χ^2/NDF: 901105.2/52

- sign 1118.919+/-0.206 χ^2/NDF: 249335.3/26



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -572.332+/-166.275 χ^2/NDF:17.1/9

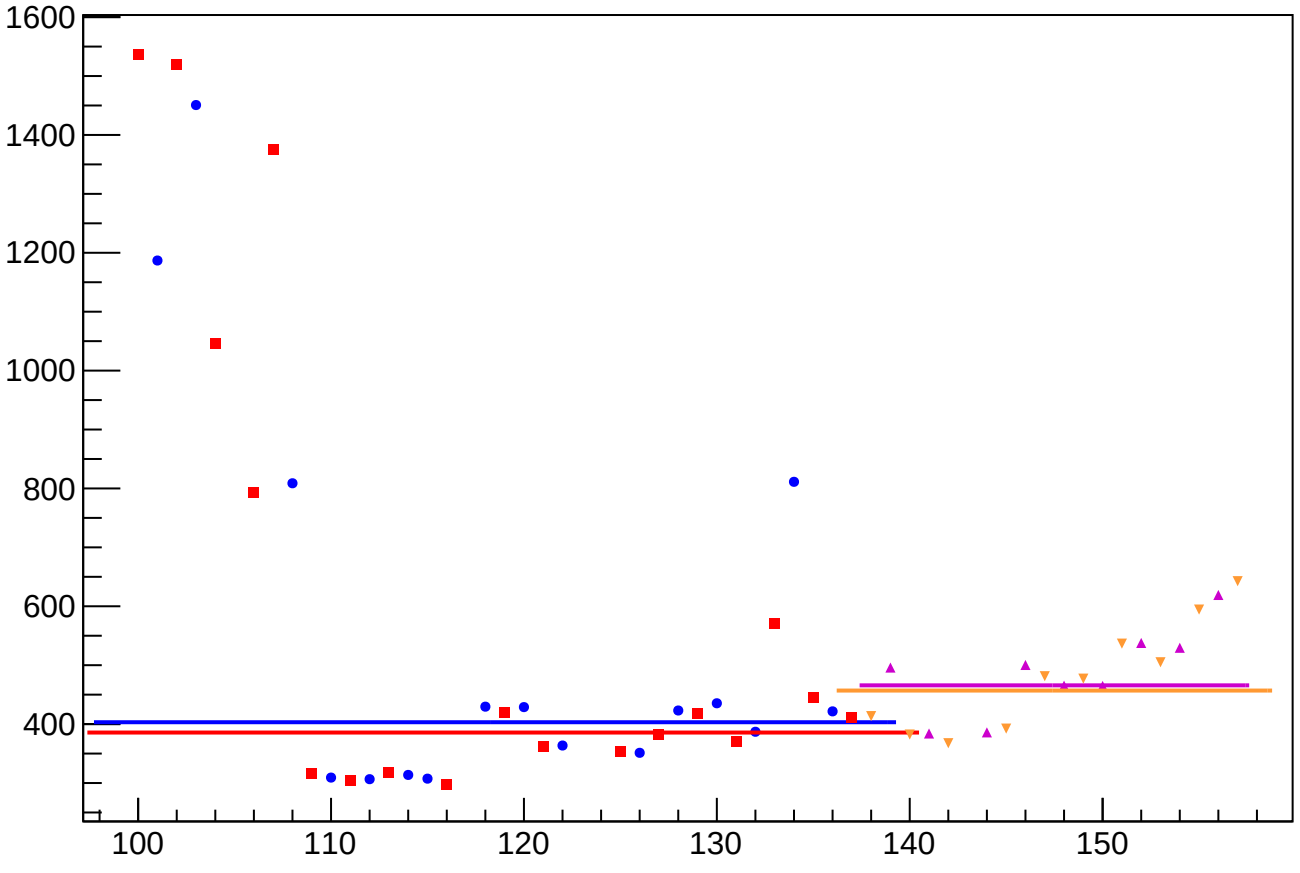
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -29.579+/-168.566 χ^2/NDF:7.8/8

\+ sign -265.553+/-115.752 χ^2/NDF: 42.7/25

All: -216.480+/-81.431 χ^2/NDF: 65.8/52

\- sign -168.397+/-114.577 χ^2/NDF: 22.8/26



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 456.943+/-0.118 χ^2/NDF:459500.7/9

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

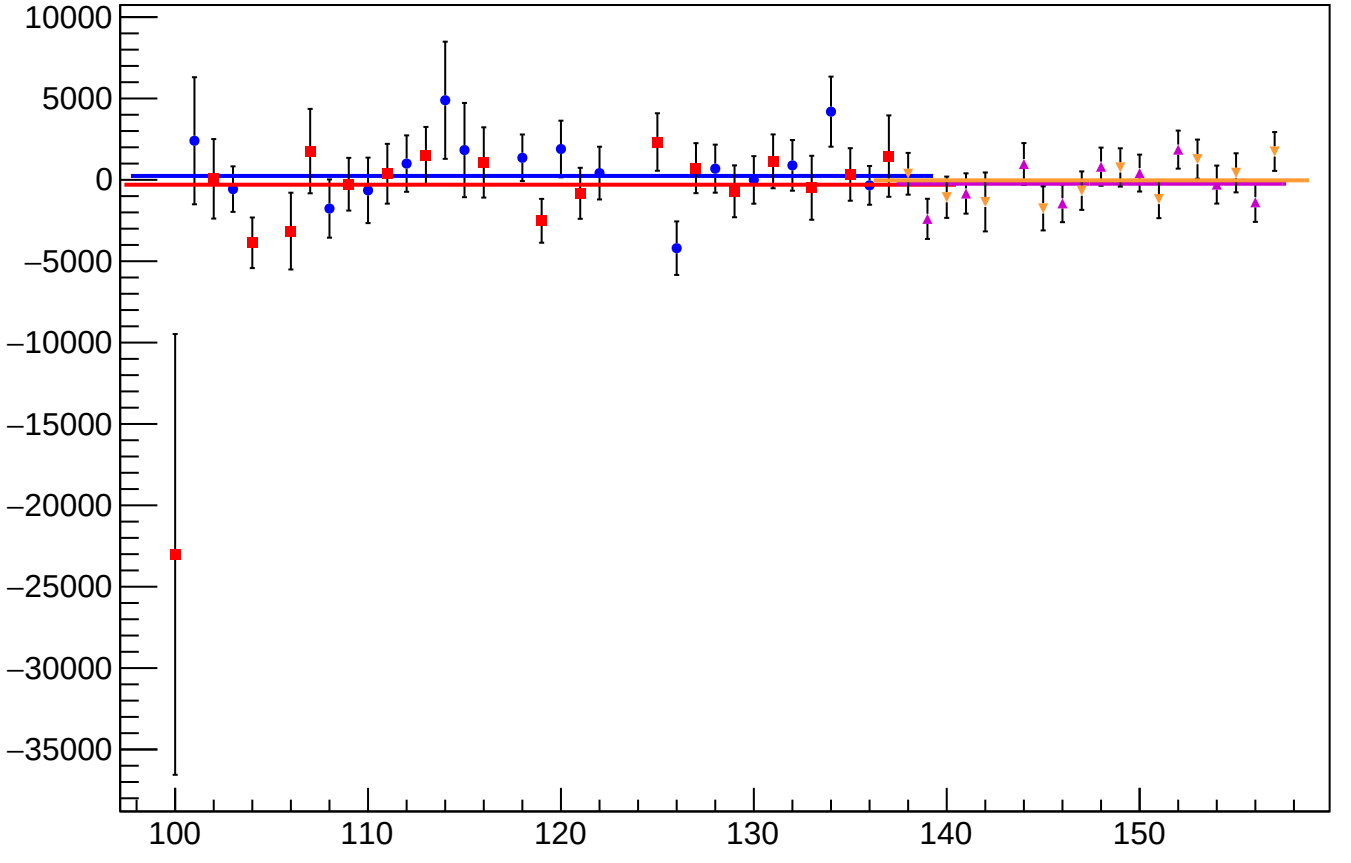
Left In: 465.789+/-0.119 χ^2/NDF:327166.8/8

+ sign 429.236+/-0.082 χ^2/NDF: 2379363.7/25

All: 425.931+/-0.058 χ^2/NDF: 4699912.8/52

- sign 422.693+/-0.081 χ^2/NDF: 2317321.4/26

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.410+/-397.325 χ^2/NDF:8.2/9

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

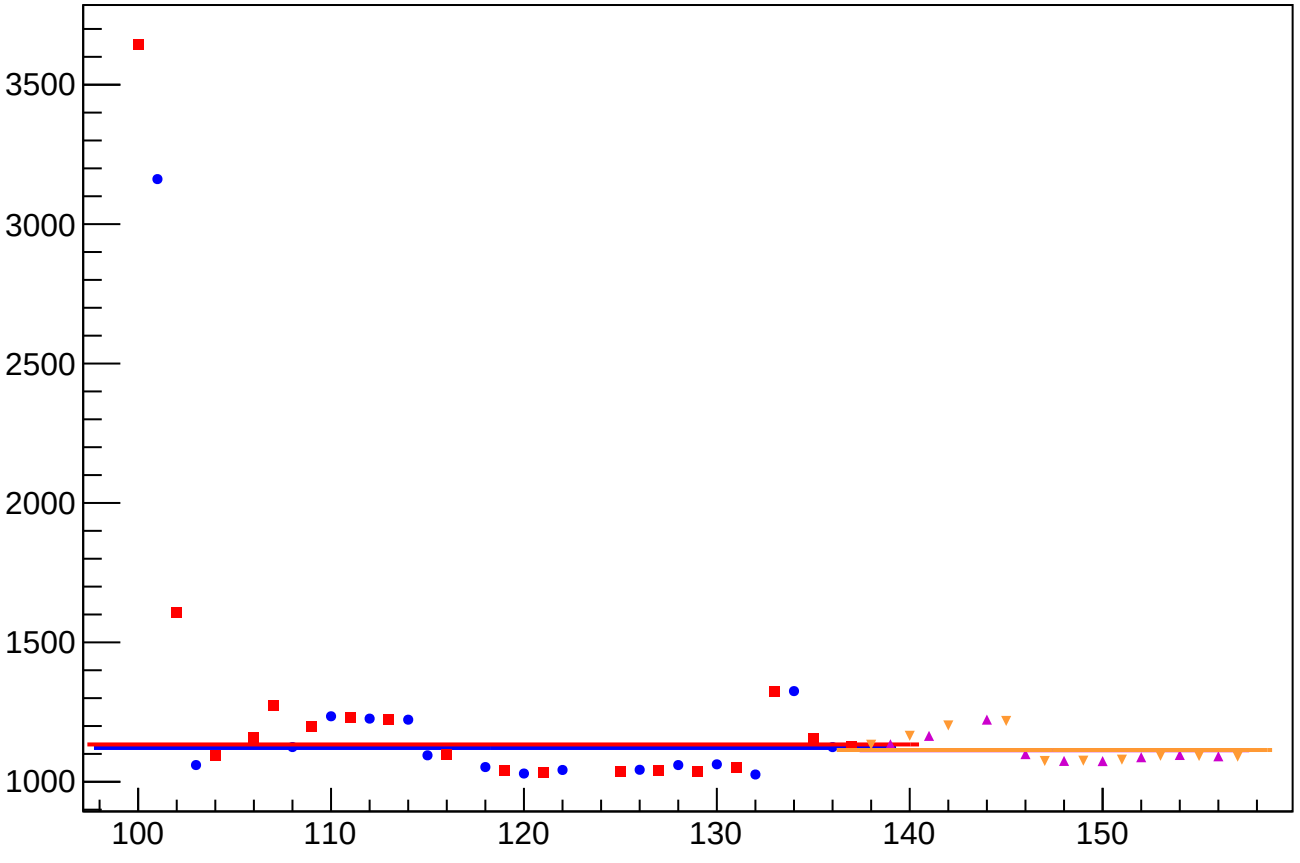
Left In: -237.996+/-397.837 χ^2/NDF:10.5/8

+ sign 96.121+/-290.748 χ^2/NDF: 25.3/25

All: -84.019+/-206.123 χ^2/NDF: 55.3/52

- sign -266.041+/-292.262 χ^2/NDF: 29.2/26

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

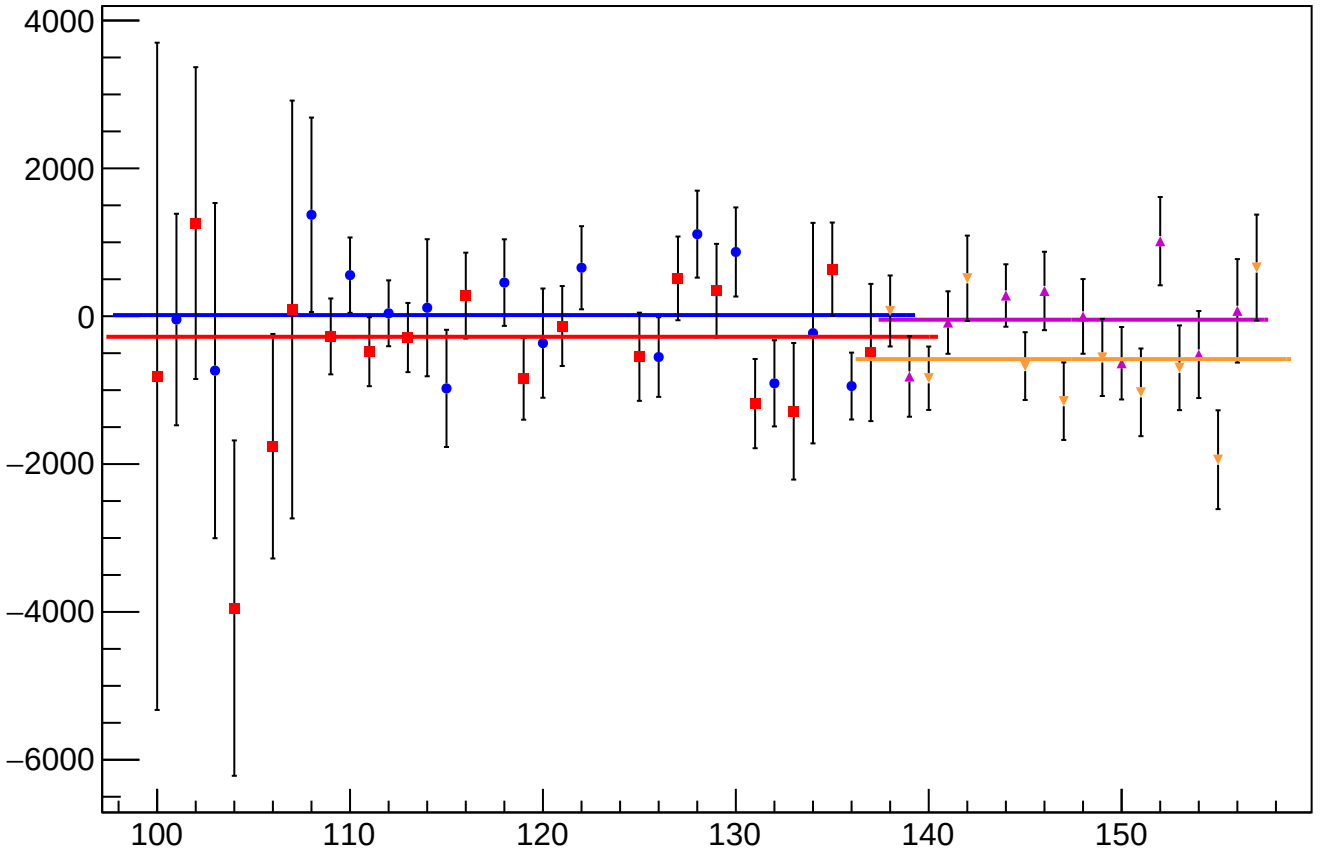
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.138+/-0.281 χ^2/NDF:25356.1/8

+ sign 1117.359+/-0.206 χ^2/NDF: 645743.5/25

All: 1120.020+/-0.146 χ^2/NDF: 901407.9/52

- sign 1122.708+/-0.207 χ^2/NDF: 255327.7/26



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -580.215+/-169.185 χ^2/NDF:14.8/9

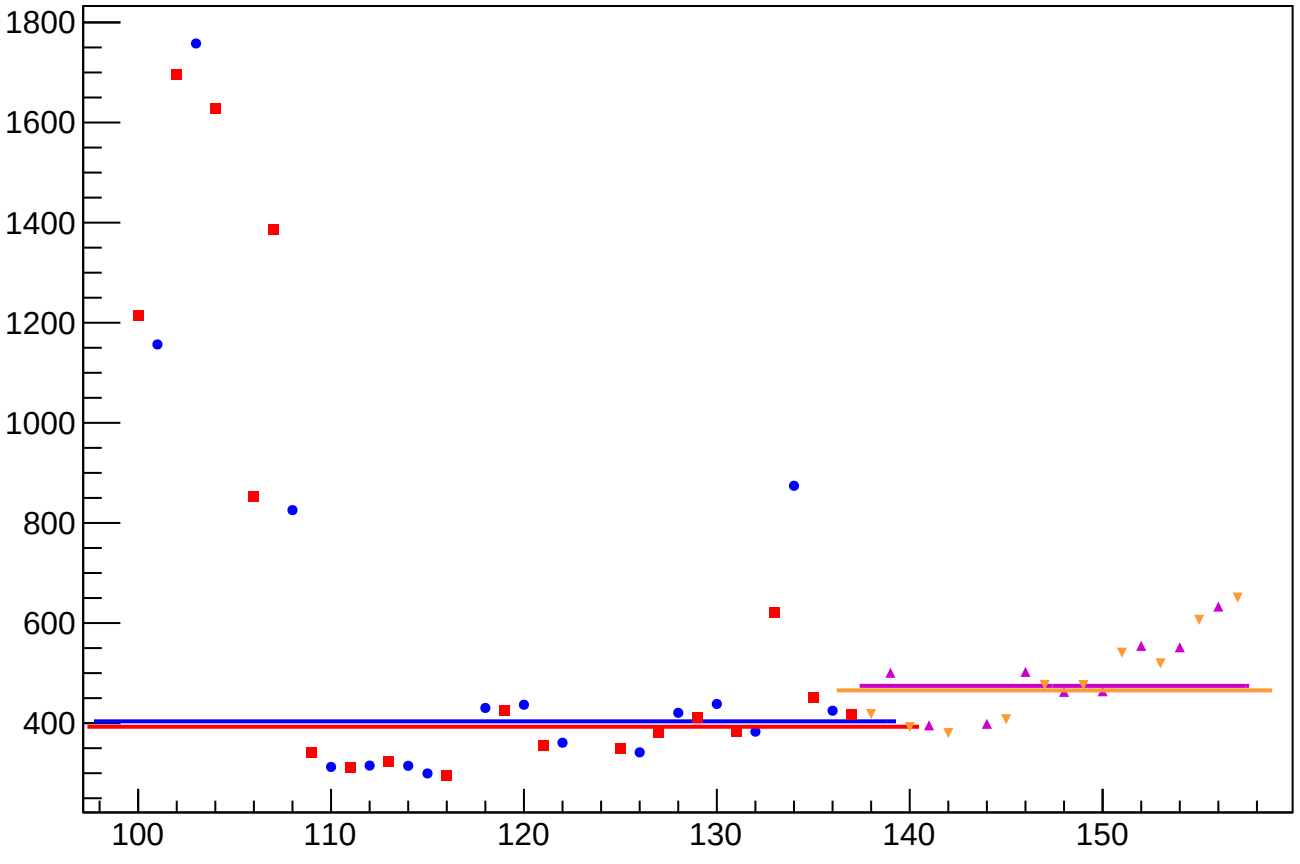
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -47.010+/-171.631 χ^2/NDF:8.4/8

\+ sign -269.265+/-116.951 χ^2/NDF: 40.9/25

All: -220.263+/-82.562 χ^2/NDF: 65.7/52

\- sign -171.577+/-116.572 χ^2/NDF: 24.5/26



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 465.469+/-0.120 χ^2/NDF:427668.1/9

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

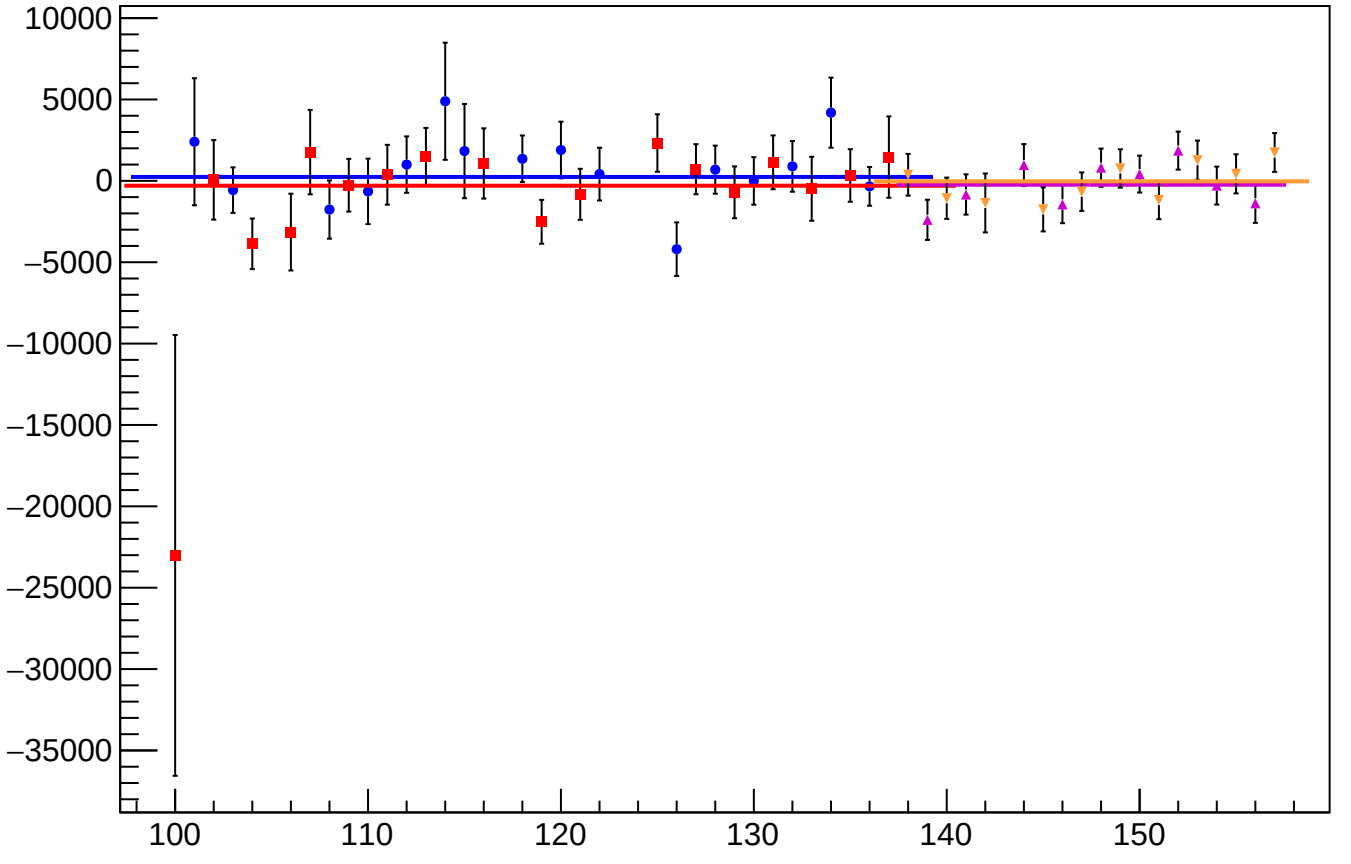
Left In: 474.513+/-0.121 χ^2/NDF:318805.8/8

+ sign 433.193+/-0.083 χ^2/NDF: 2496671.6/25

All: 431.845+/-0.058 χ^2/NDF: 5263549.1/52

- sign 430.506+/-0.082 χ^2/NDF: 2766348.2/26

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -29.416+/-397.325 χ^2/NDF:8.2/9

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

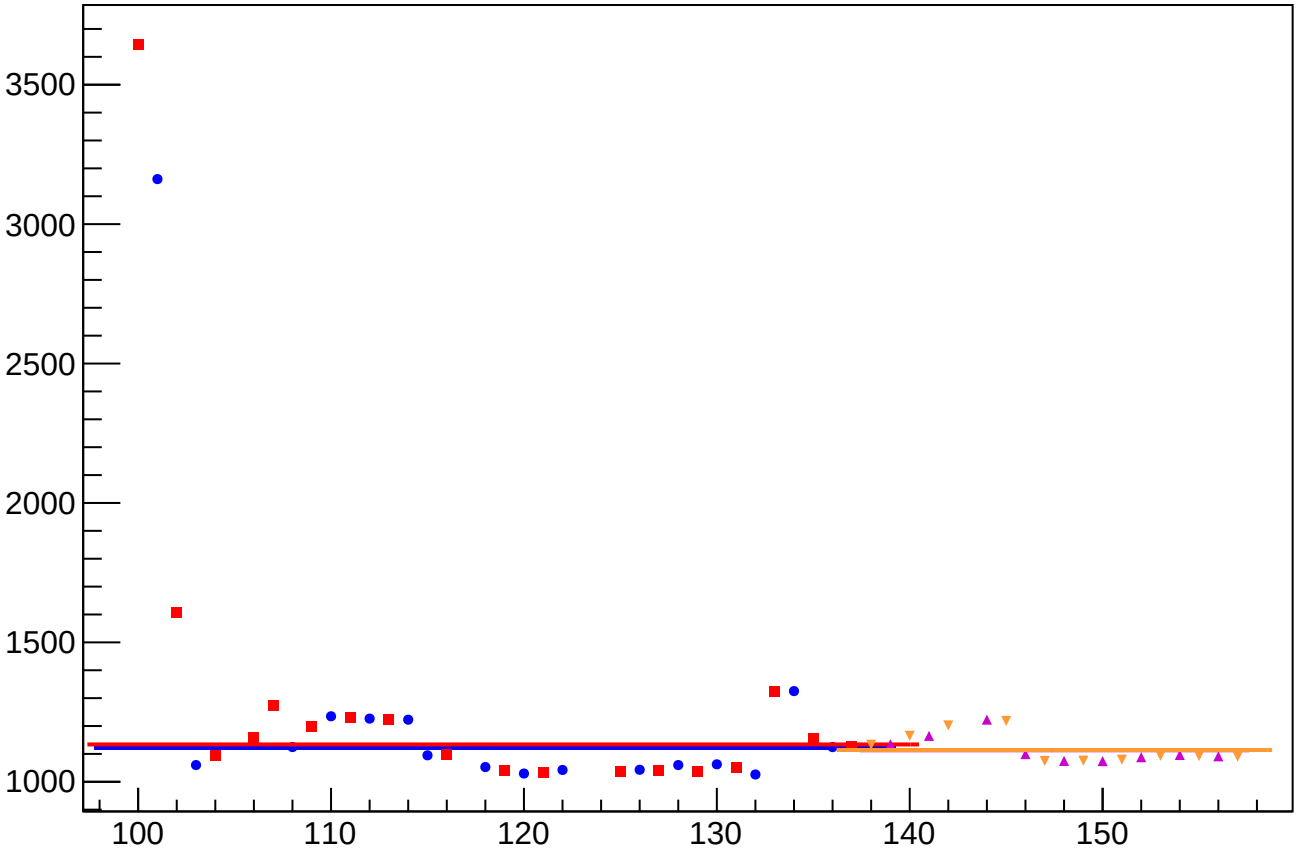
Left In: -237.995+/-397.837 χ^2/NDF:10.5/8

+ sign 96.119+/-290.748 χ^2/NDF: 25.3/25

All: -84.020+/-206.123 χ^2/NDF: 55.3/52

- sign -266.041+/-292.262 χ^2/NDF: 29.2/26

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1113.946+/-0.281 χ^2/NDF:28397.4/9

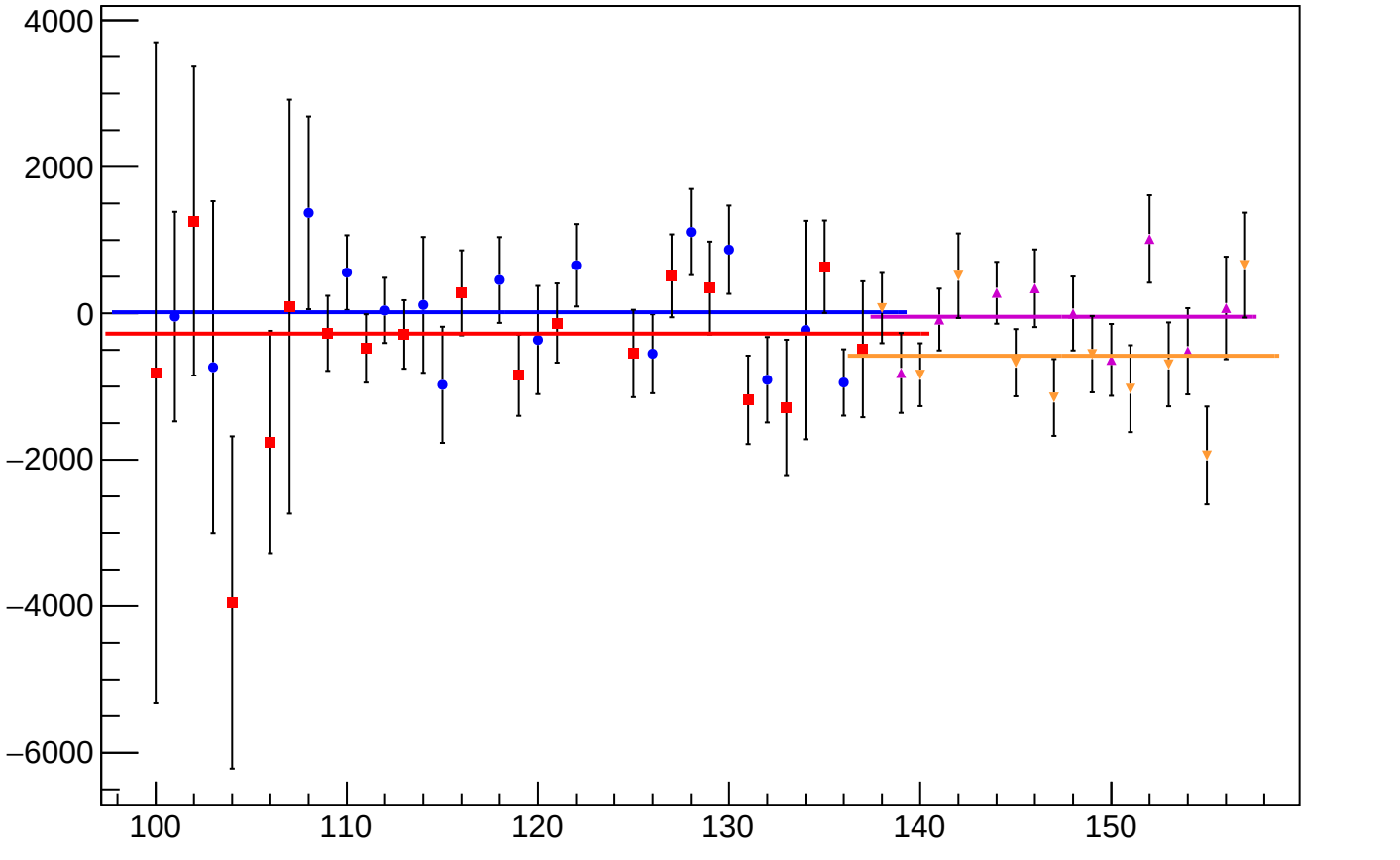
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1113.138+/-0.281 χ^2/NDF:25356.1/8

+ sign 1117.359+/-0.206 χ^2/NDF: 645743.5/25

All: 1120.020+/-0.146 χ^2/NDF: 901408.1/52

- sign 1122.709+/-0.207 χ^2/NDF: 255327.8/26



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -580.223+/-169.185 χ^2/NDF:14.8/9

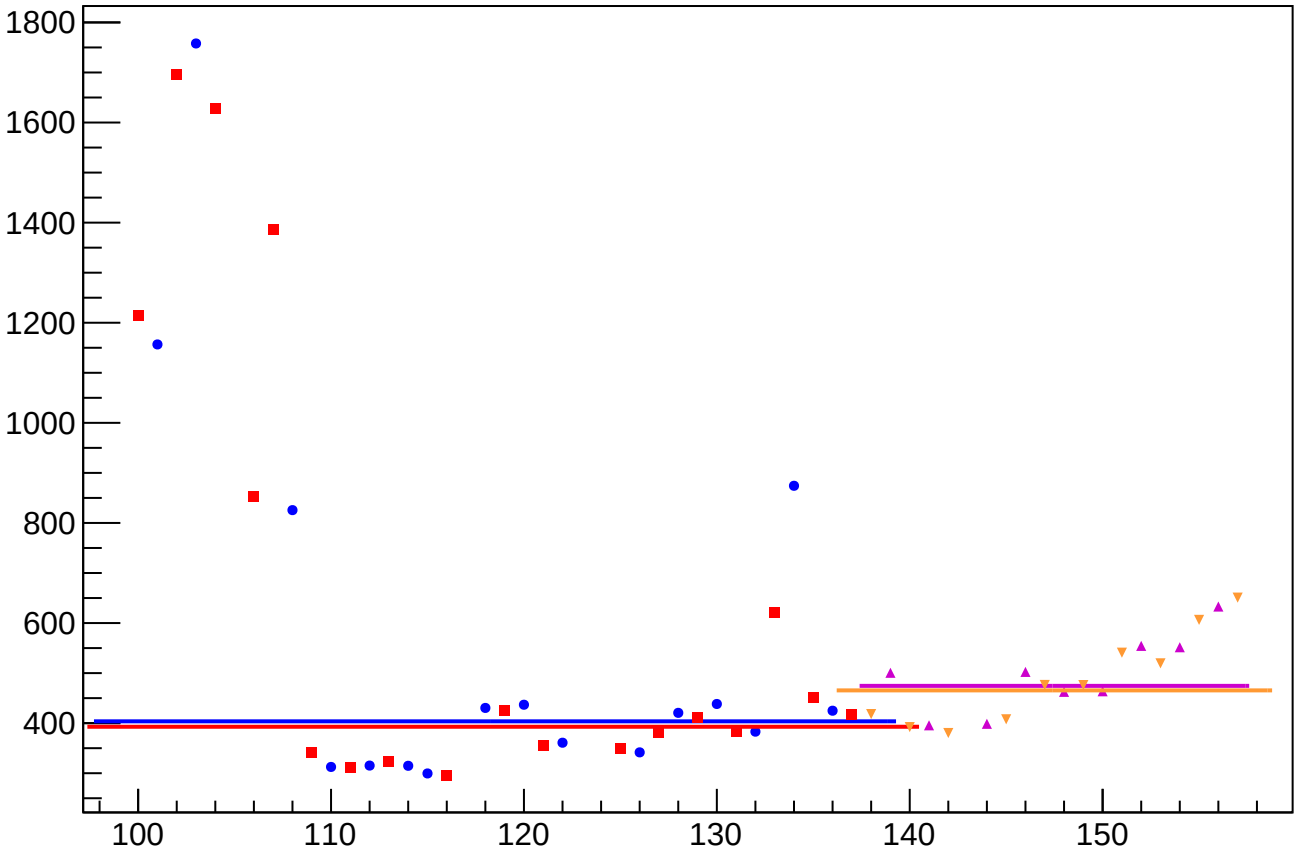
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -47.014+/-171.632 χ^2/NDF:8.4/8

+ sign -269.268+/-116.950 χ^2/NDF: 40.9/25

All: -220.265+/-82.562 χ^2/NDF: 65.7/52

- sign -171.579+/-116.572 χ^2/NDF: 24.5/26



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 465.470+/-0.120 χ^2/NDF:427692.1/9

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

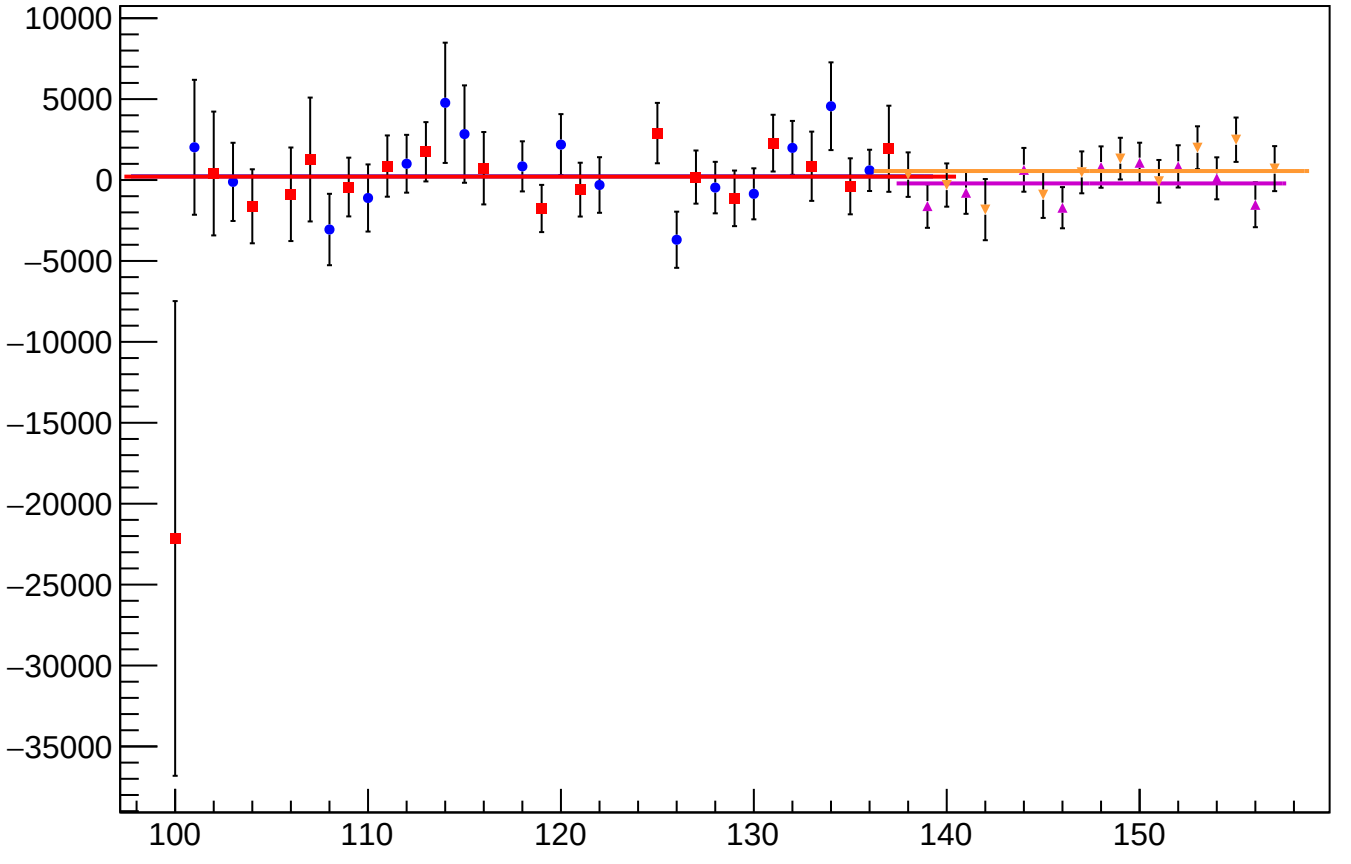
Left In: 474.516+/-0.121 χ^2/NDF:318818.1/8

+ sign 433.191+/-0.083 χ^2/NDF: 2496711.2/25

All: 431.844+/-0.058 χ^2/NDF: 5263642.0/52

- sign 430.505+/-0.082 χ^2/NDF: 2766401.6/26

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.526+/-436.536 χ^2/NDF:6.9/9

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

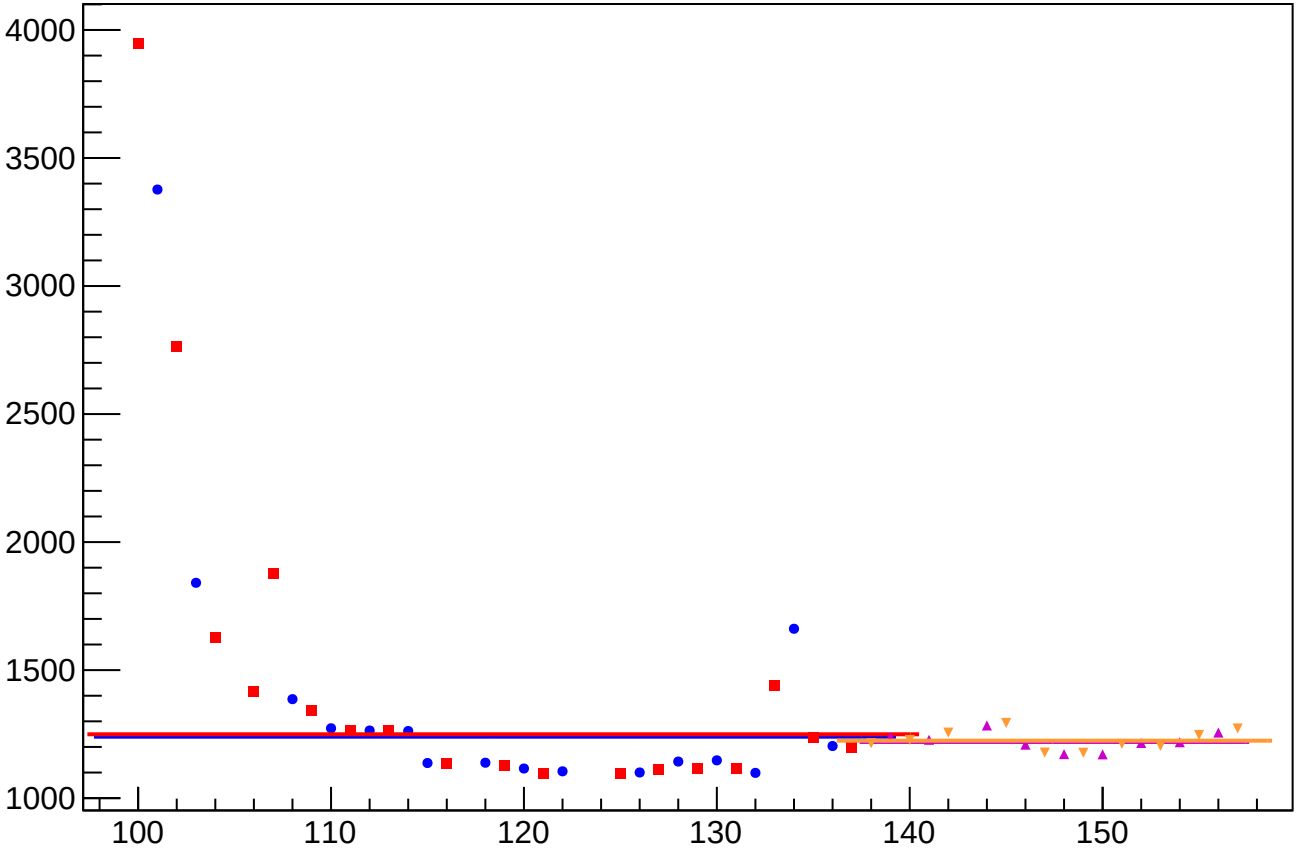
Left In: -209.270+/-435.680 χ^2/NDF:6.4/8

+ sign 403.949+/-321.280 χ^2/NDF: 23.2/25

All: 192.886+/-227.413 χ^2/NDF: 41.8/52

- sign -19.048+/-321.941 χ^2/NDF: 17.7/26

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1224.456+/-0.309 χ^2/NDF:14124.5/9

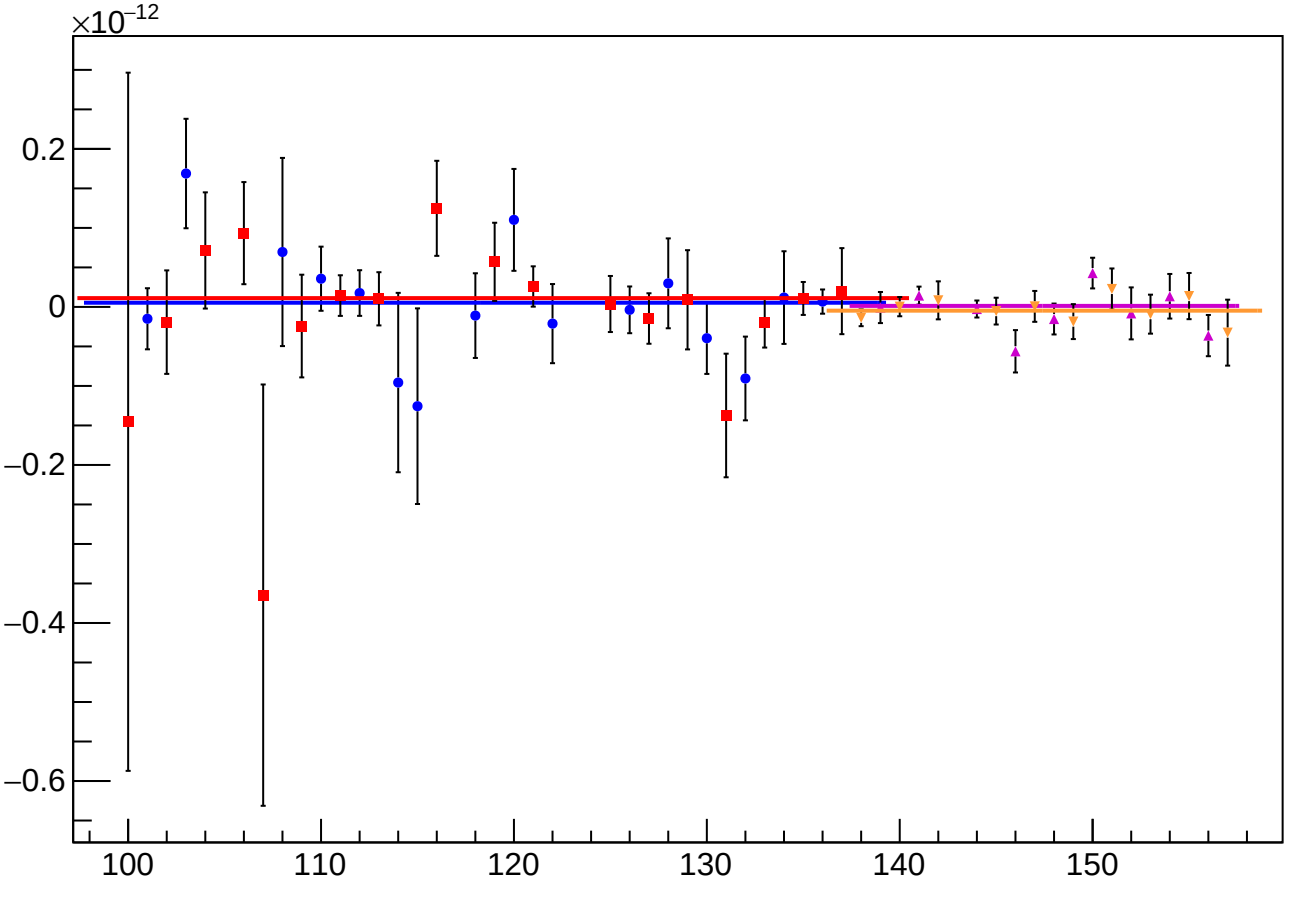
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1219.479+/-0.308 χ^2/NDF:12408.1/8

+ sign 1231.644+/-0.227 χ^2/NDF: 797987.6/25

All: 1232.354+/-0.161 χ^2/NDF: 1420799.6/52

- sign 1233.067+/-0.228 χ^2/NDF: 622792.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/9

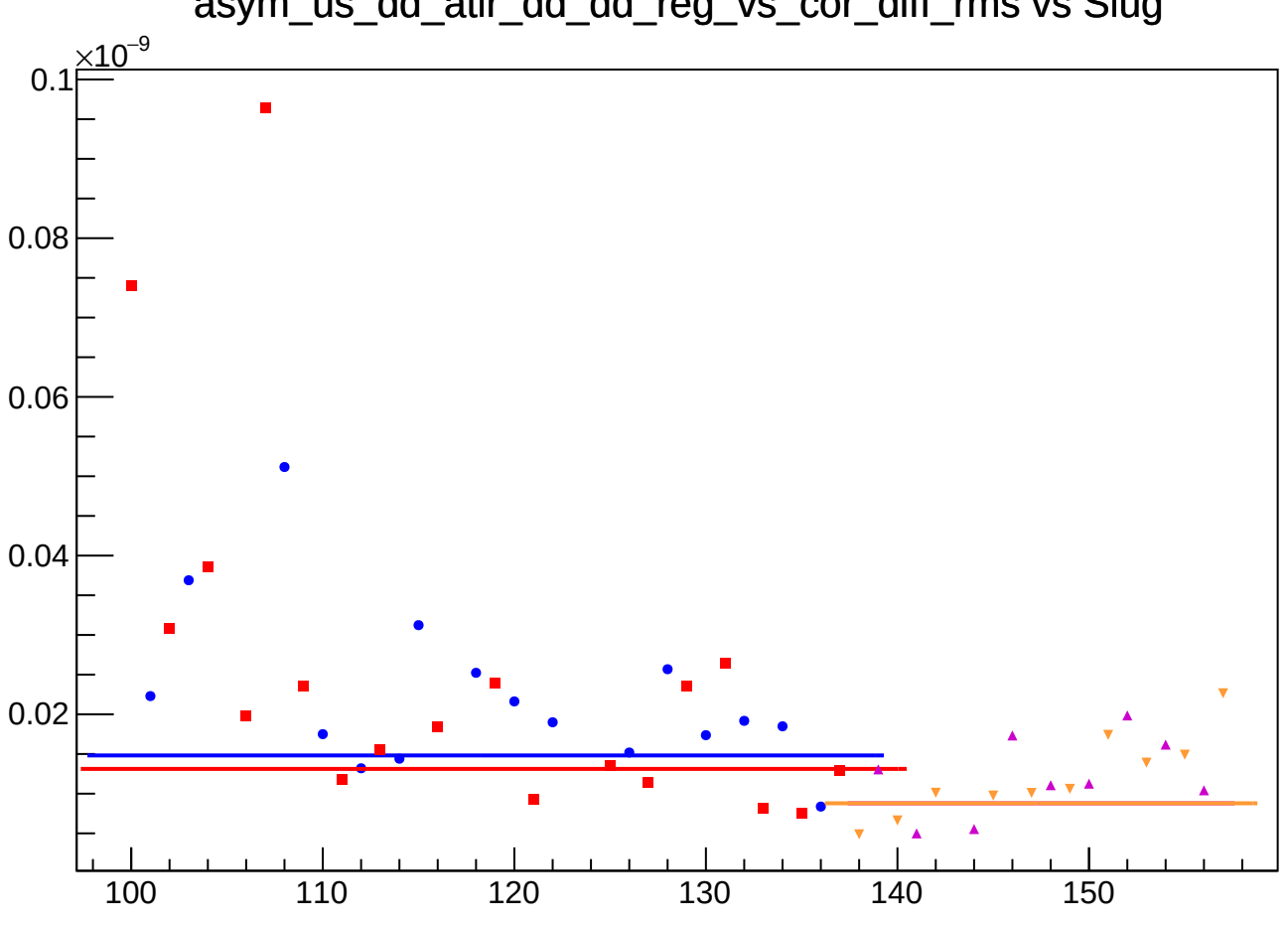
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 20.8/25

All: 0.000+/-0.000 χ^2/NDF: 51.1/52

- sign 0.000+/-0.000 χ^2/NDF: 29.5/26



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:983242.7/9

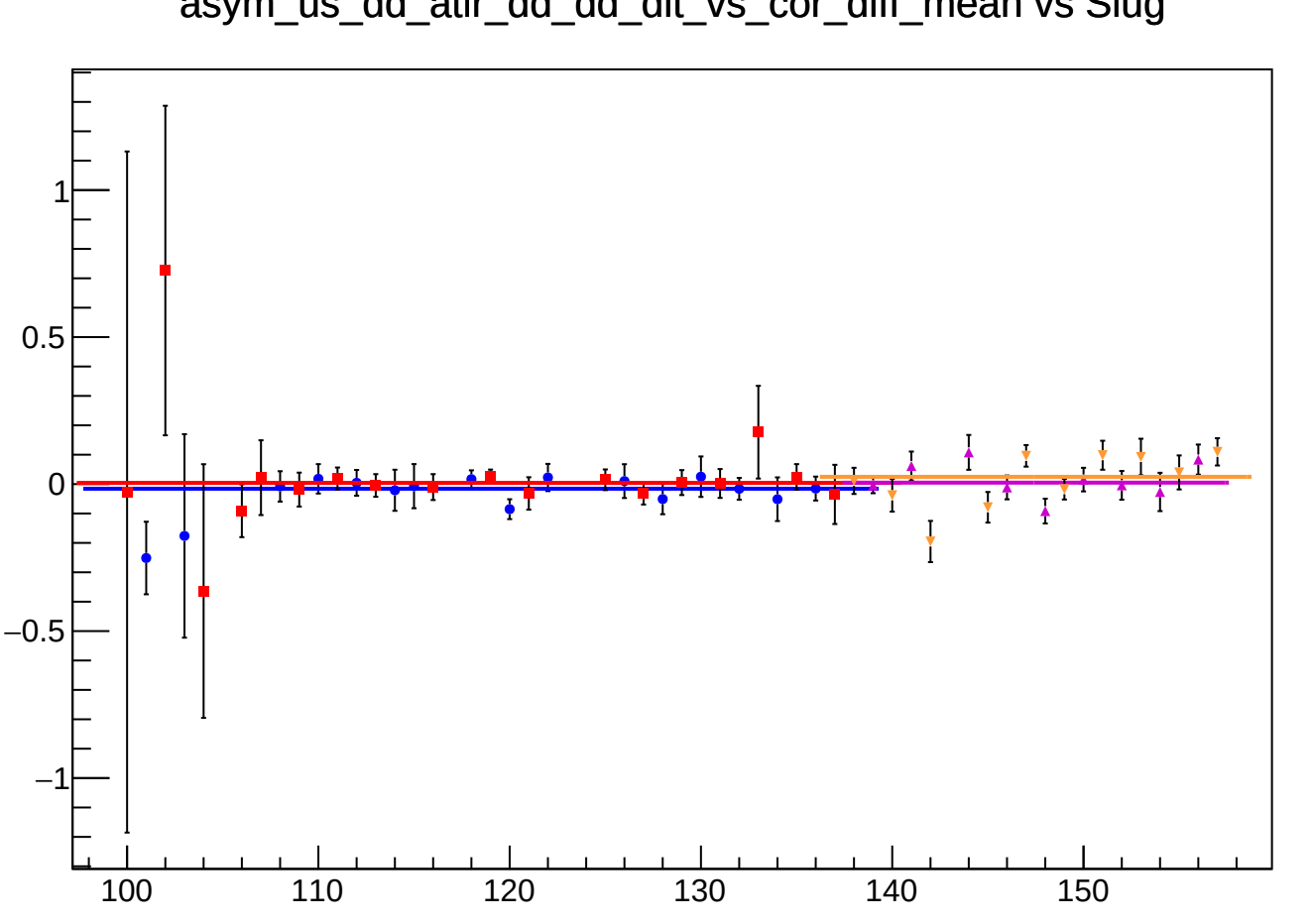
Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1134438.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 2641573.7/25

All: 0.000+/-0.000 χ^2/NDF: 5271899.6/52

- sign 0.000+/-0.000 χ^2/NDF: 2624837.7/26



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

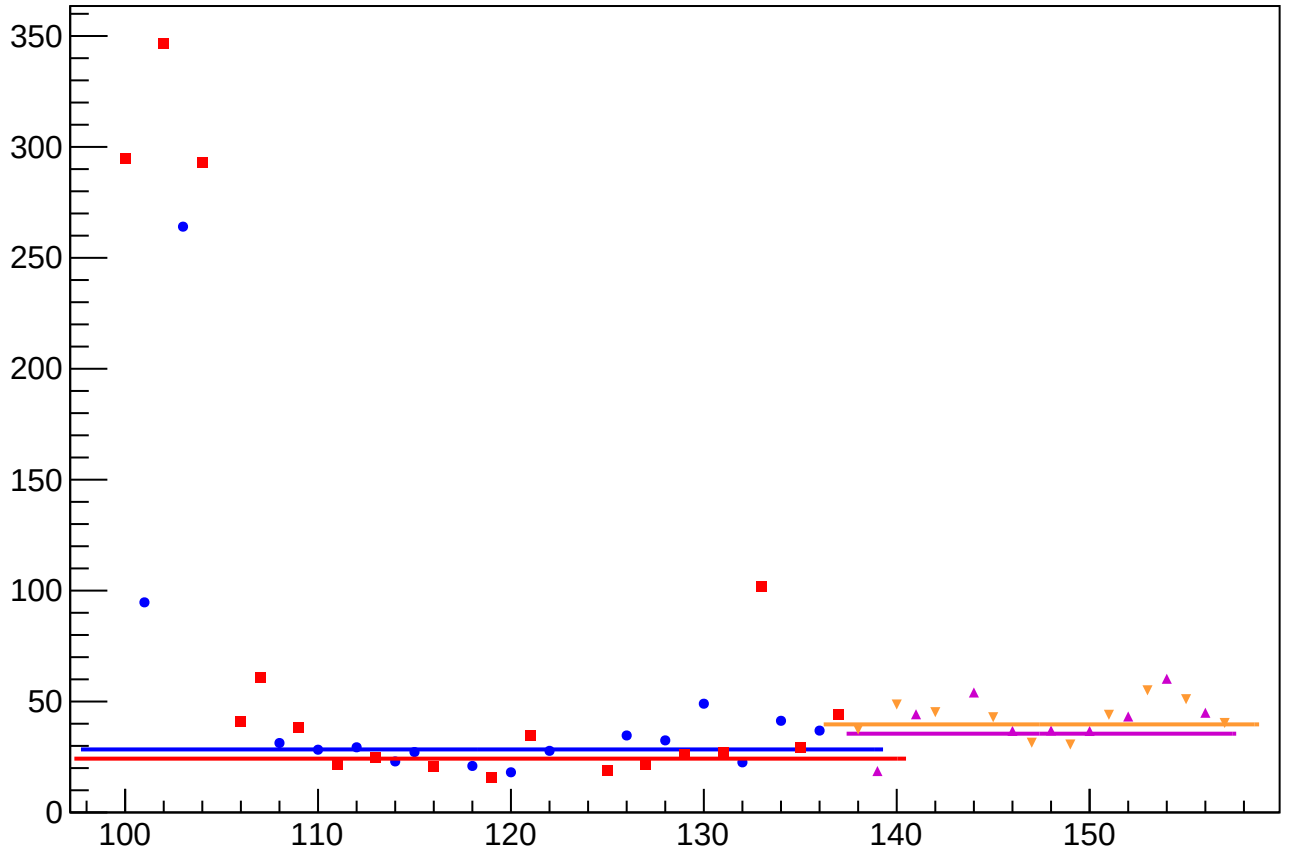
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.005+/-0.014 χ^2/NDF:12.6/8

+ sign 0.000+/-0.010 χ^2/NDF: 43.5/25

All: 0.003+/-0.007 χ^2/NDF: 64.0/52

- sign 0.005+/-0.009 χ^2/NDF: 20.5/26



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 39.700+/-0.011 χ^2/NDF:526740.0/9

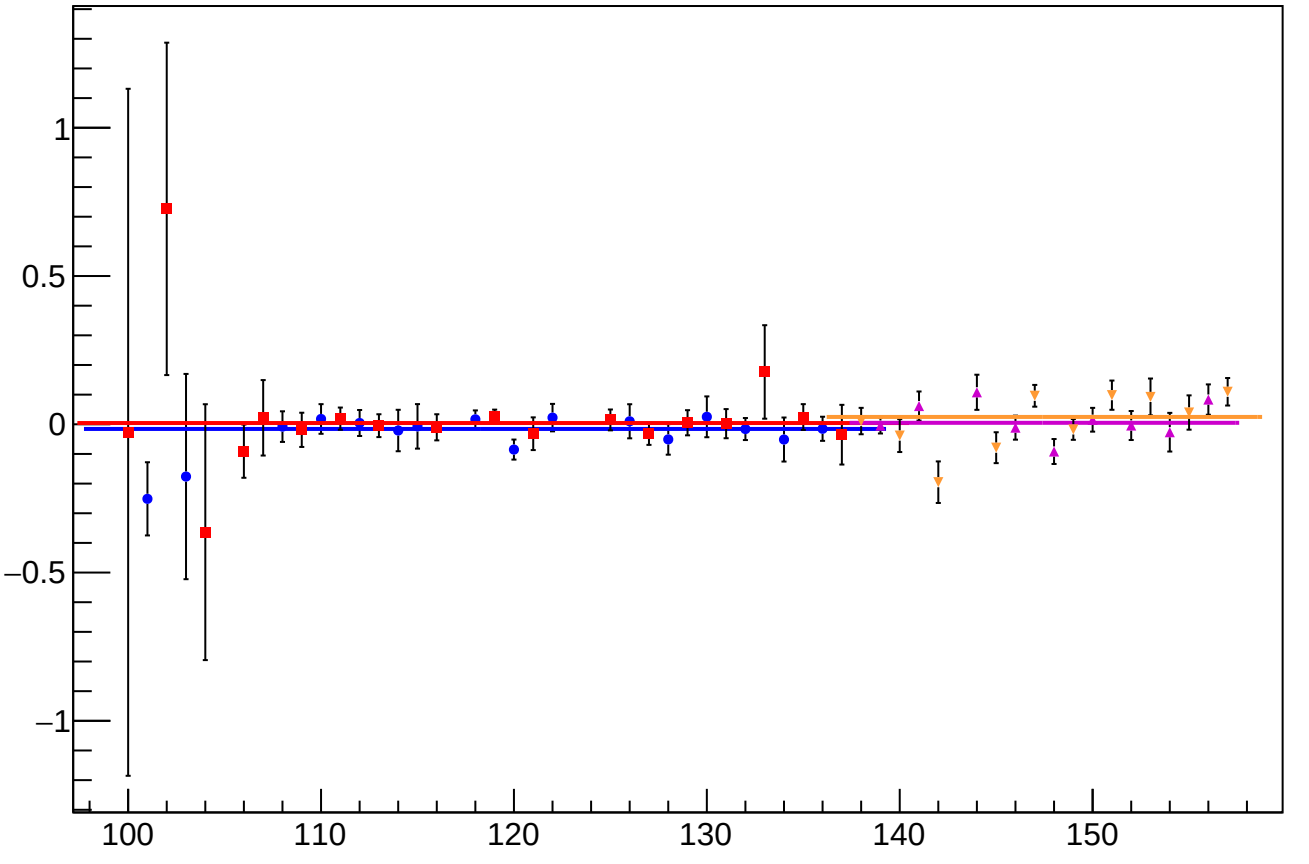
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.505+/-0.010 χ^2/NDF:1480657.8/8

+ sign 32.919+/-0.007 χ^2/NDF: 3444325.3/25

All: 30.655+/-0.005 χ^2/NDF: 8810396.6/52

- sign 28.680+/-0.006 χ^2/NDF: 5155146.1/26



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

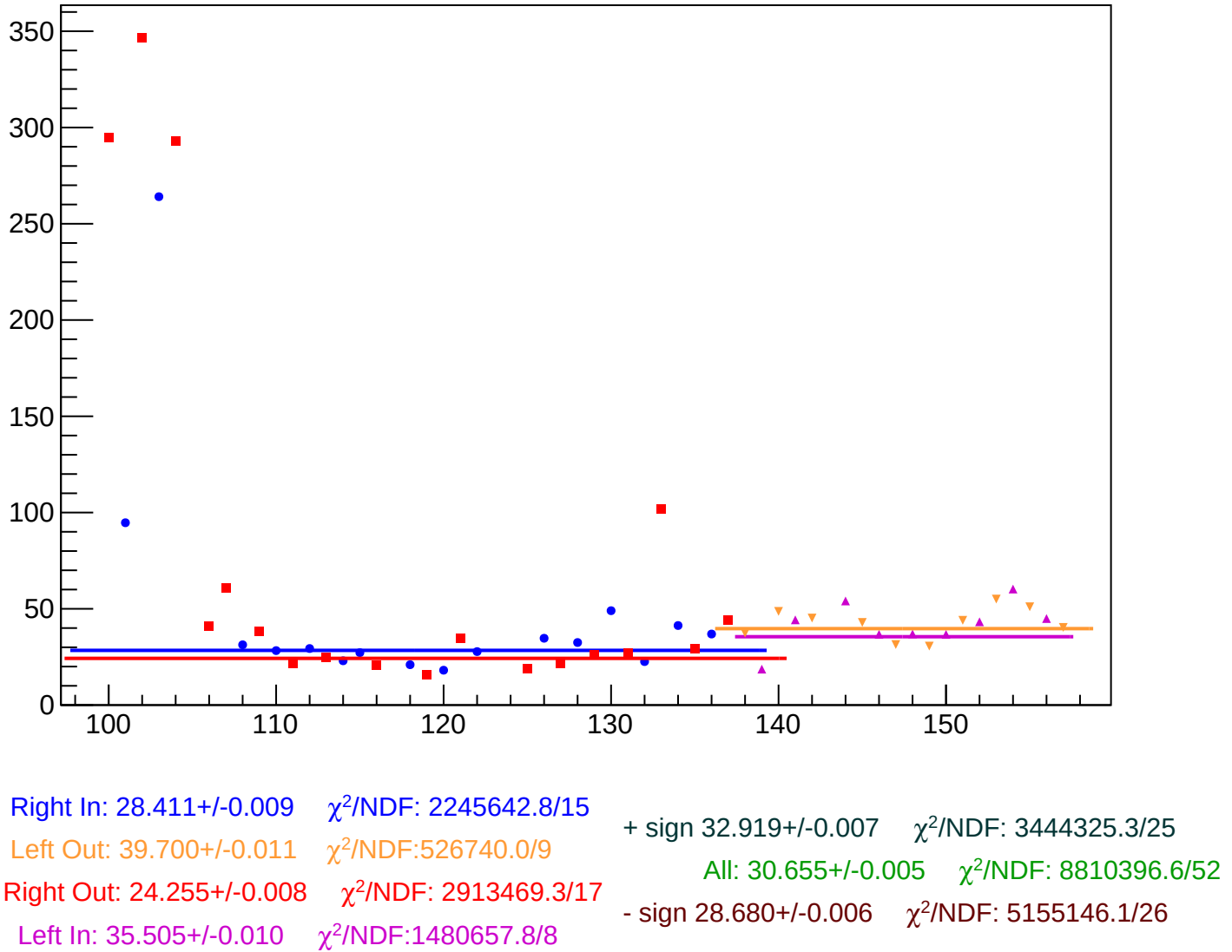
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

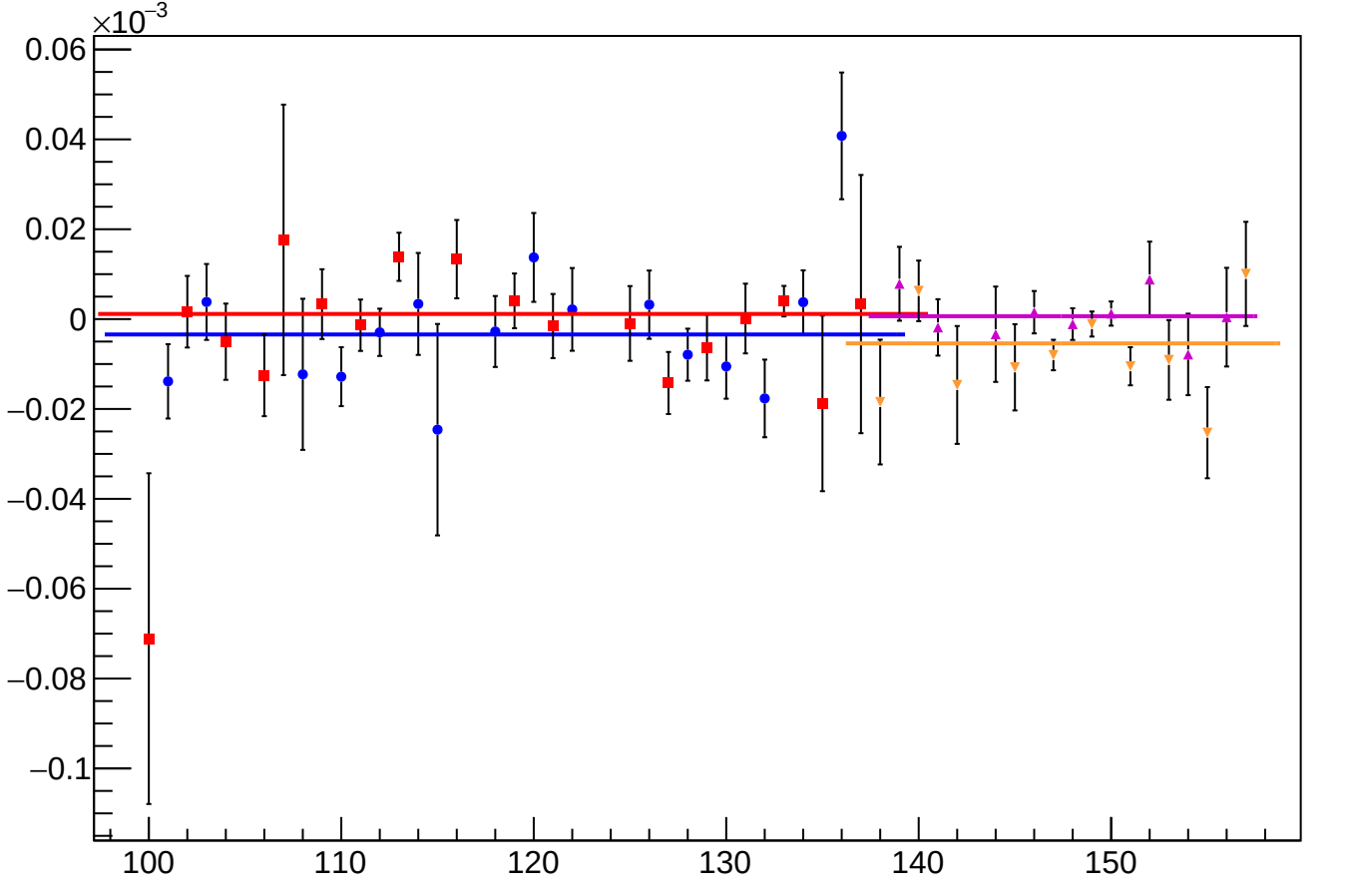
Left In: 0.005+/-0.014 χ^2/NDF:12.6/8

+ sign 0.000+/-0.010 χ^2/NDF: 43.5/25

All: 0.003+/-0.007 χ^2/NDF: 64.0/52

- sign 0.005+/-0.009 χ^2/NDF: 20.5/26


asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245642.8/15
Left Out: 39.700+/-0.011 χ²/NDF:526740.0/9
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 35.505+/-0.010 χ²/NDF:1480657.8/8
+ sign 32.919+/-0.007 χ²/NDF: 3444325.3/25
All: 30.655+/-0.005 χ²/NDF: 8810396.6/52
- sign 28.680+/-0.006 χ²/NDF: 5155146.1/26



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/9

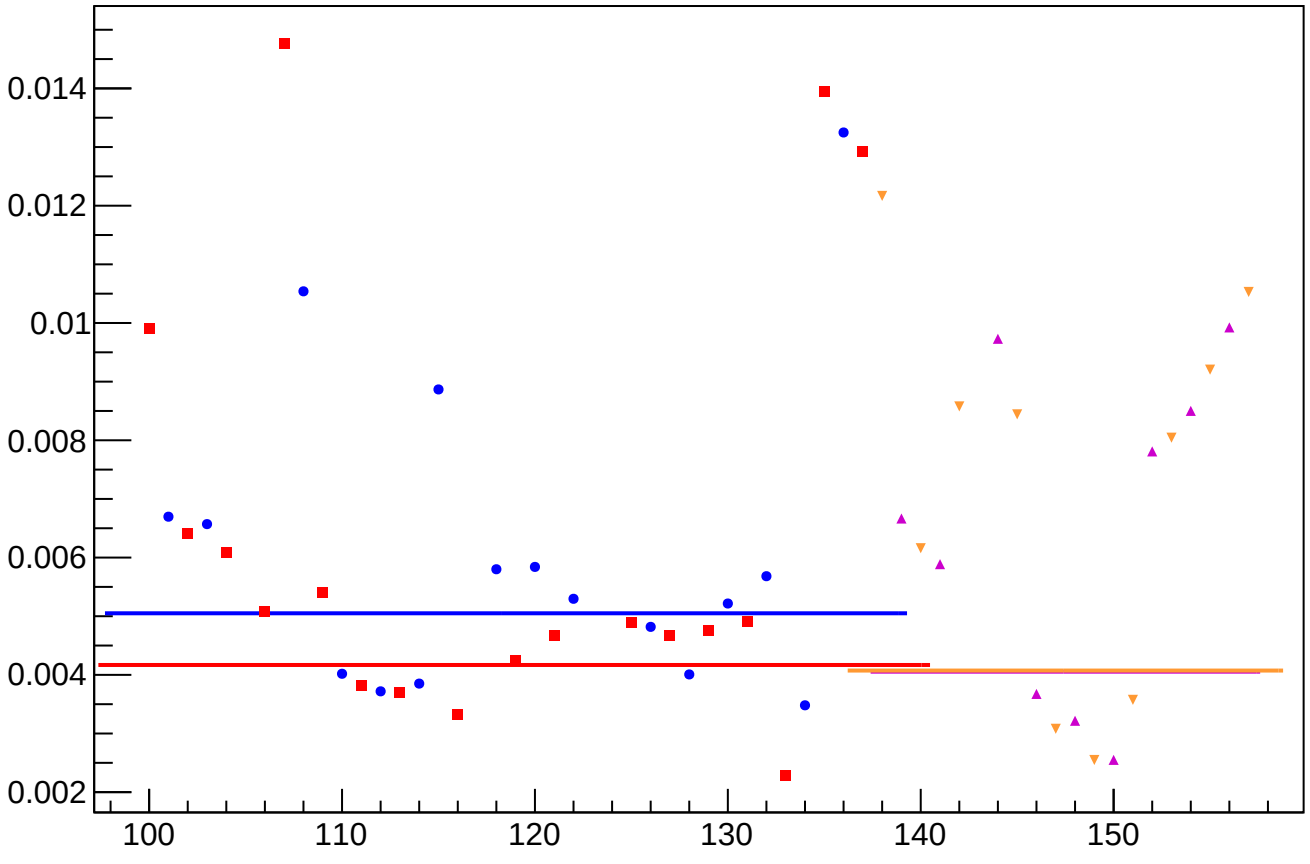
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/25

All: -0.000+/-0.000 χ^2/NDF: 76.4/52

- sign 0.000+/-0.000 χ^2/NDF: 26.3/26



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3851652.5/9

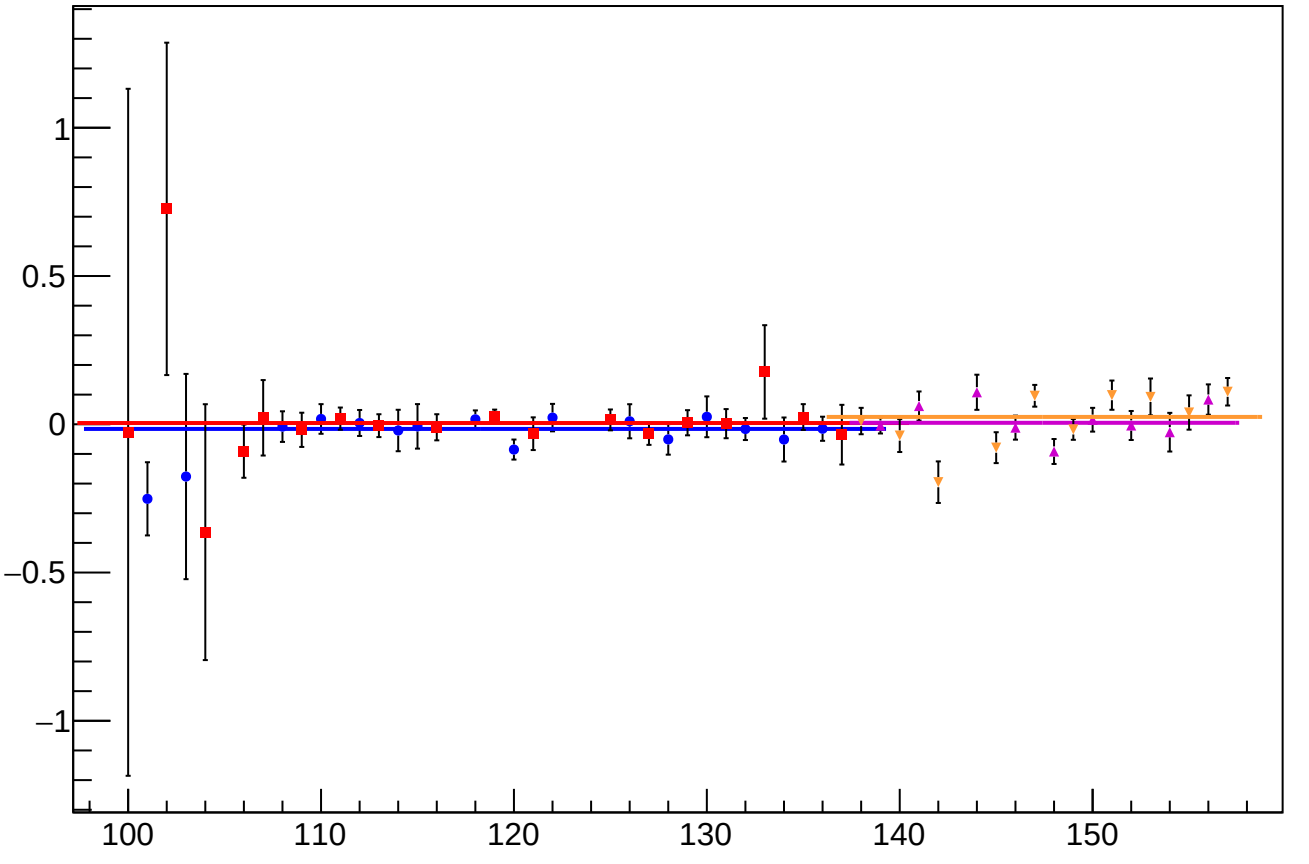
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:3143625.5/8

+ sign 0.004+/-0.000 χ^2/NDF: 5618292.0/25

All: 0.004+/-0.000 χ^2/NDF: 10894039.1/52

- sign 0.004+/-0.000 χ^2/NDF: 5190114.3/26



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

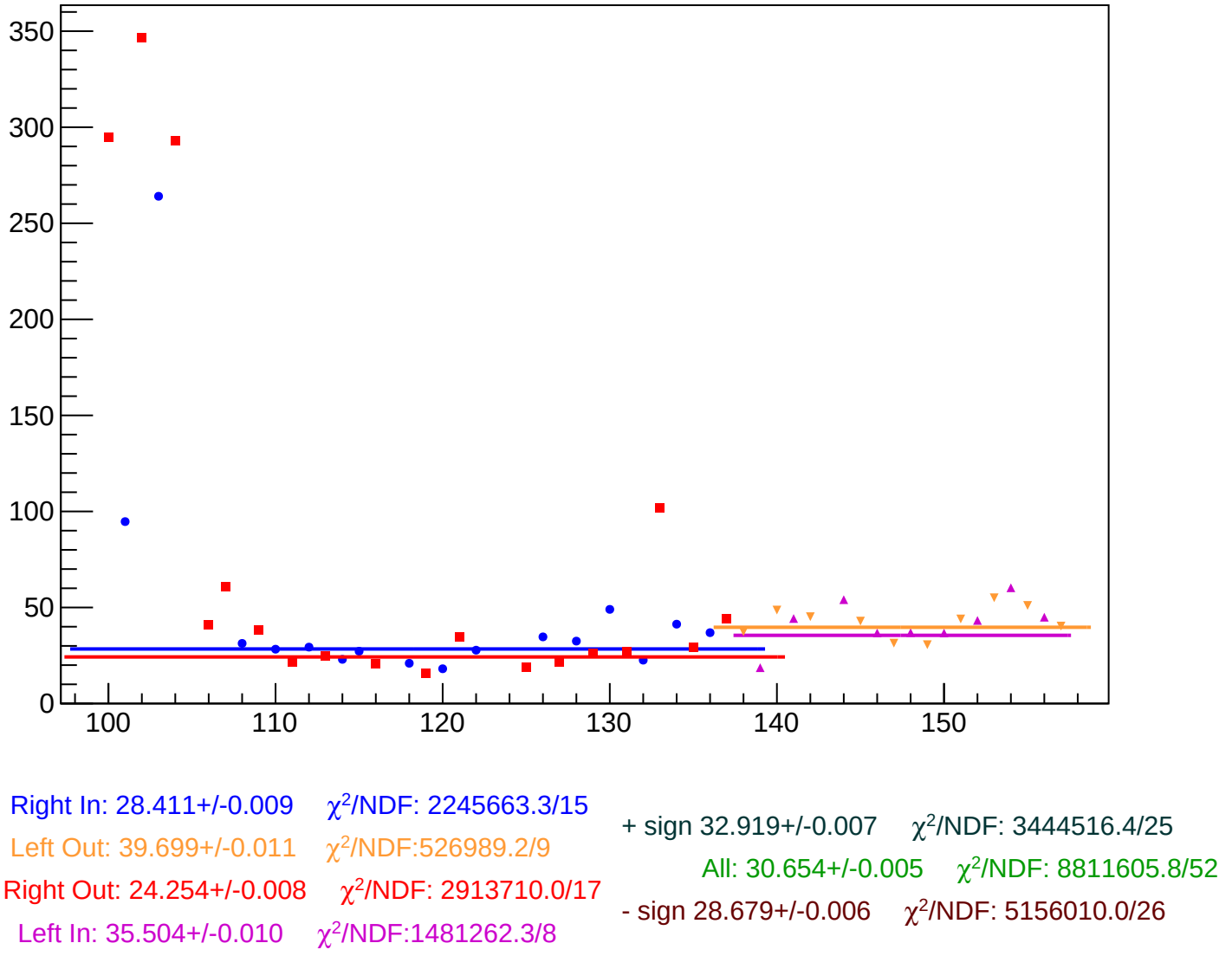
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

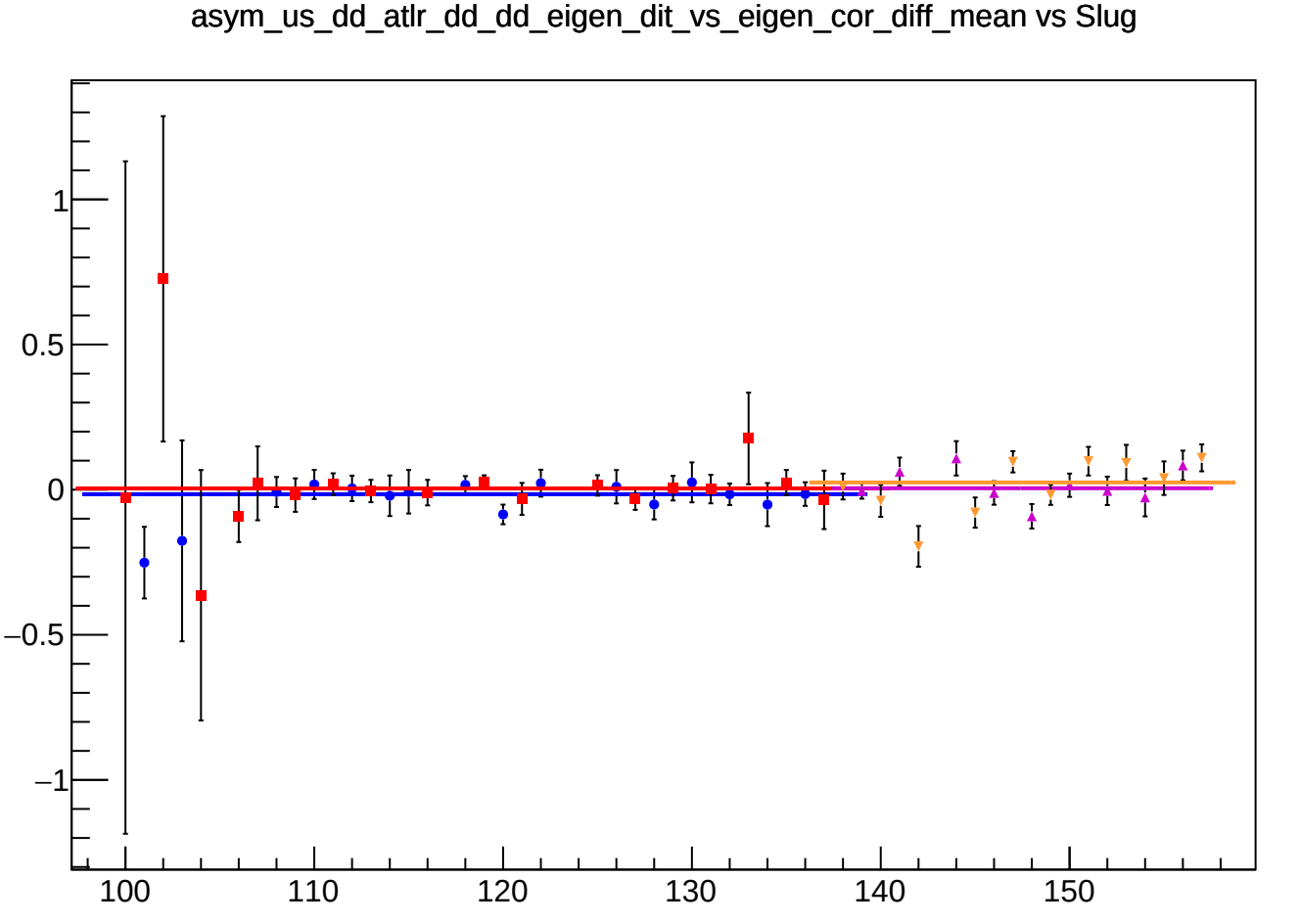
Left In: 0.005+/-0.014 χ^2/NDF:12.6/8

+ sign 0.000+/-0.010 χ^2/NDF: 43.4/25

All: 0.003+/-0.007 χ^2/NDF: 64.0/52

- sign 0.005+/-0.009 χ^2/NDF: 20.5/26


asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 39.699+/-0.011 χ²/NDF:526989.2/9
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 35.504+/-0.010 χ²/NDF:1481262.3/8
+ sign 32.919+/-0.007 χ²/NDF: 3444516.4/25
All: 30.654+/-0.005 χ²/NDF: 8811605.8/52
- sign 28.679+/-0.006 χ²/NDF: 5156010.0/26



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.025+/-0.015 χ^2/NDF:27.2/9

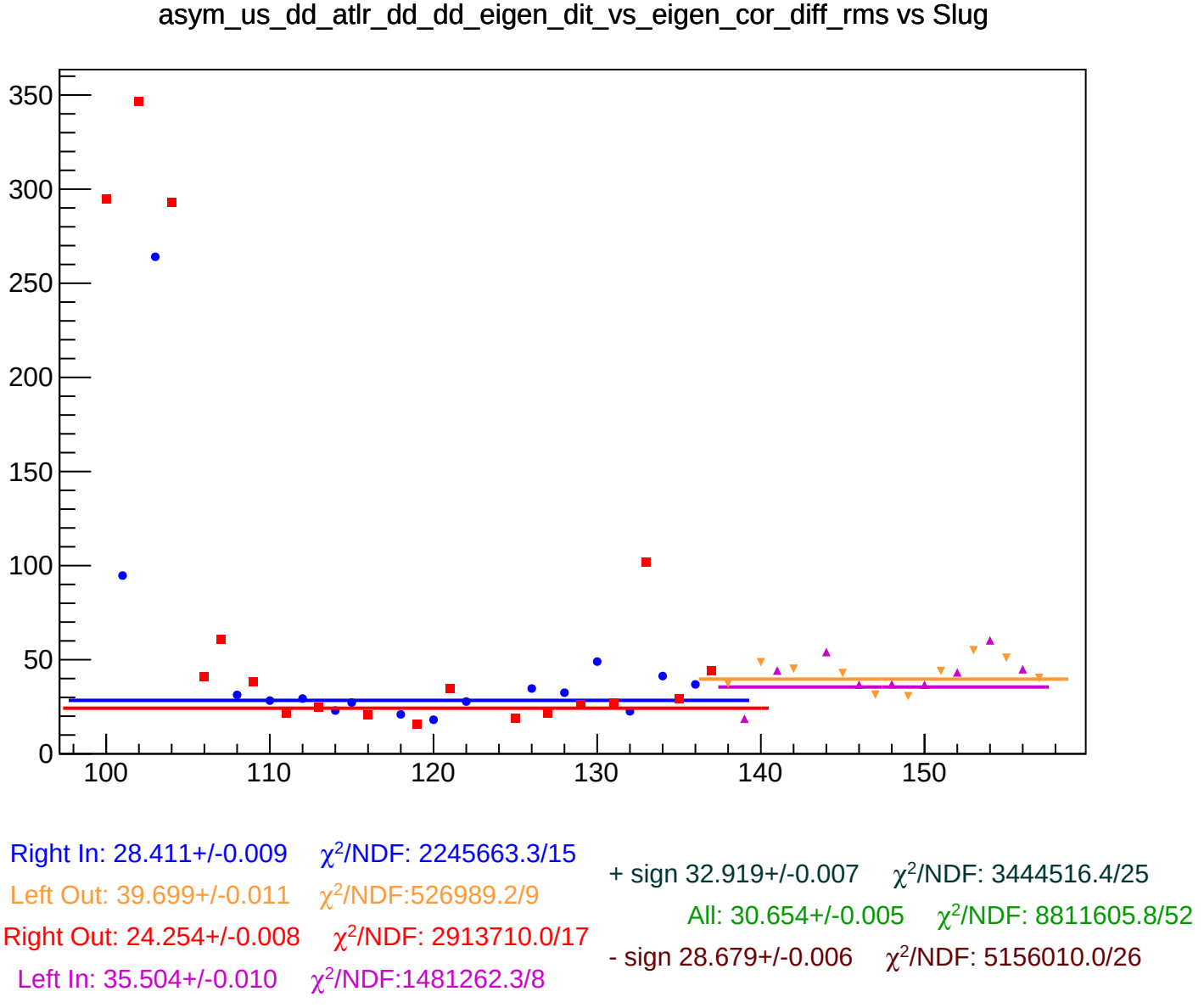
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

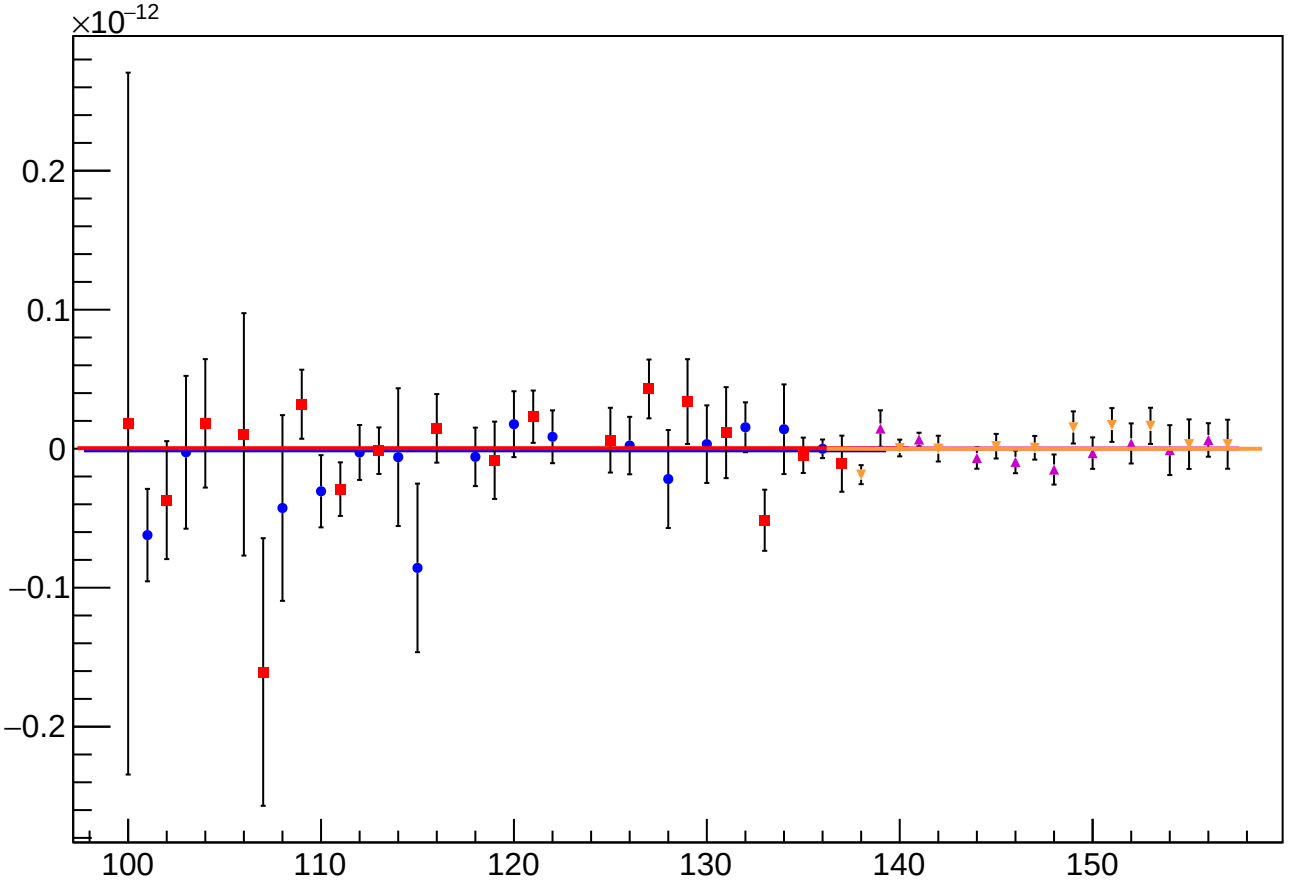
Left In: 0.005+/-0.014 χ^2/NDF:12.6/8

+ sign 0.000+/-0.010 χ^2/NDF: 43.4/25

All: 0.003+/-0.007 χ^2/NDF: 64.0/52

- sign 0.005+/-0.009 χ^2/NDF: 20.5/26


asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
350
300
250
200
150
100
50
0
100
110
120
130
140
150
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 39.699+/-0.011 χ²/NDF:526989.2/9
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 35.504+/-0.010 χ²/NDF:1481262.3/8
+ sign 32.919+/-0.007 χ²/NDF: 3444516.4/25
All: 30.654+/-0.005 χ²/NDF: 8811605.8/52
- sign 28.679+/-0.006 χ²/NDF: 5156010.0/26



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/9

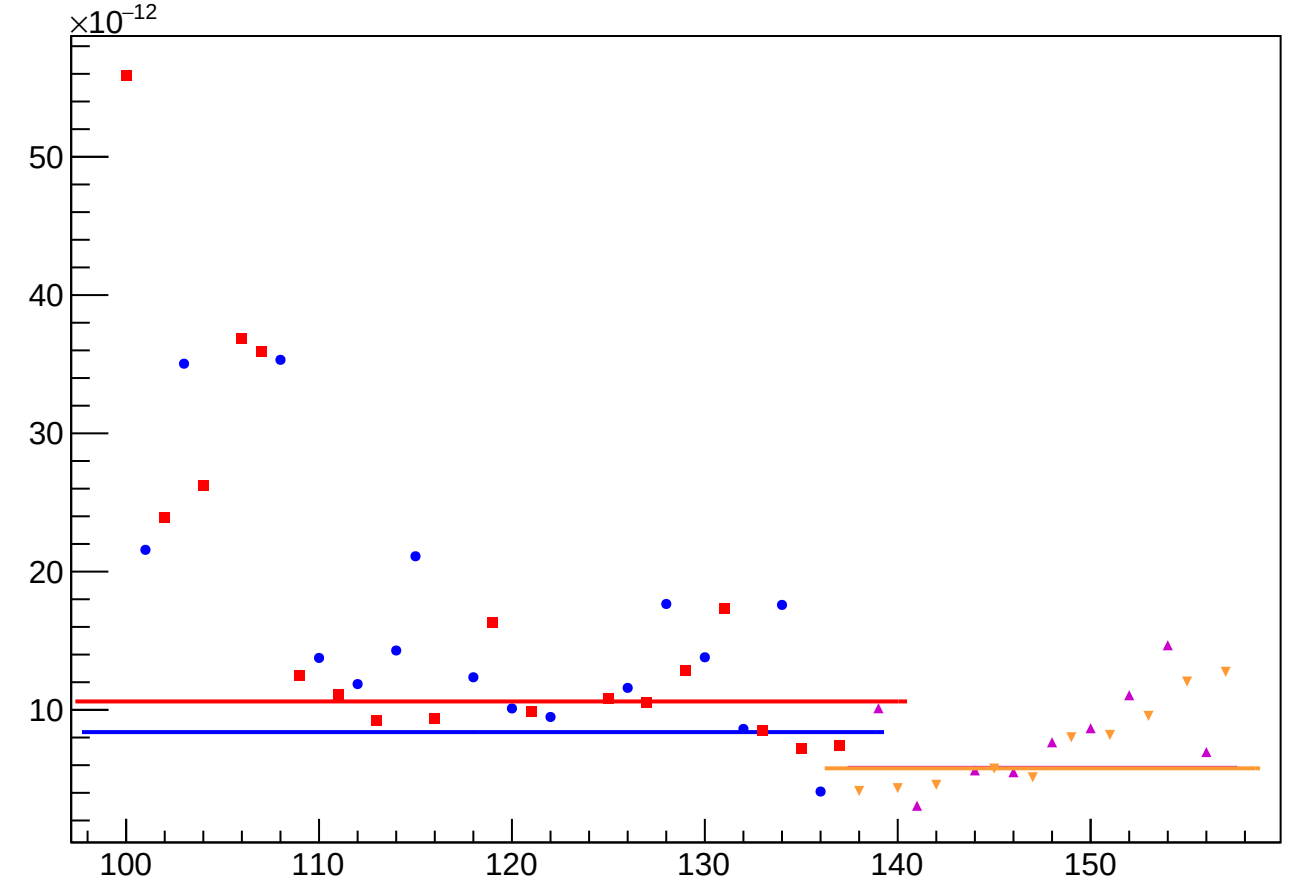
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 22.4/25

All: -0.000+/-0.000 χ^2/NDF: 51.0/52

- sign 0.000+/-0.000 χ^2/NDF: 28.6/26



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1157960.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

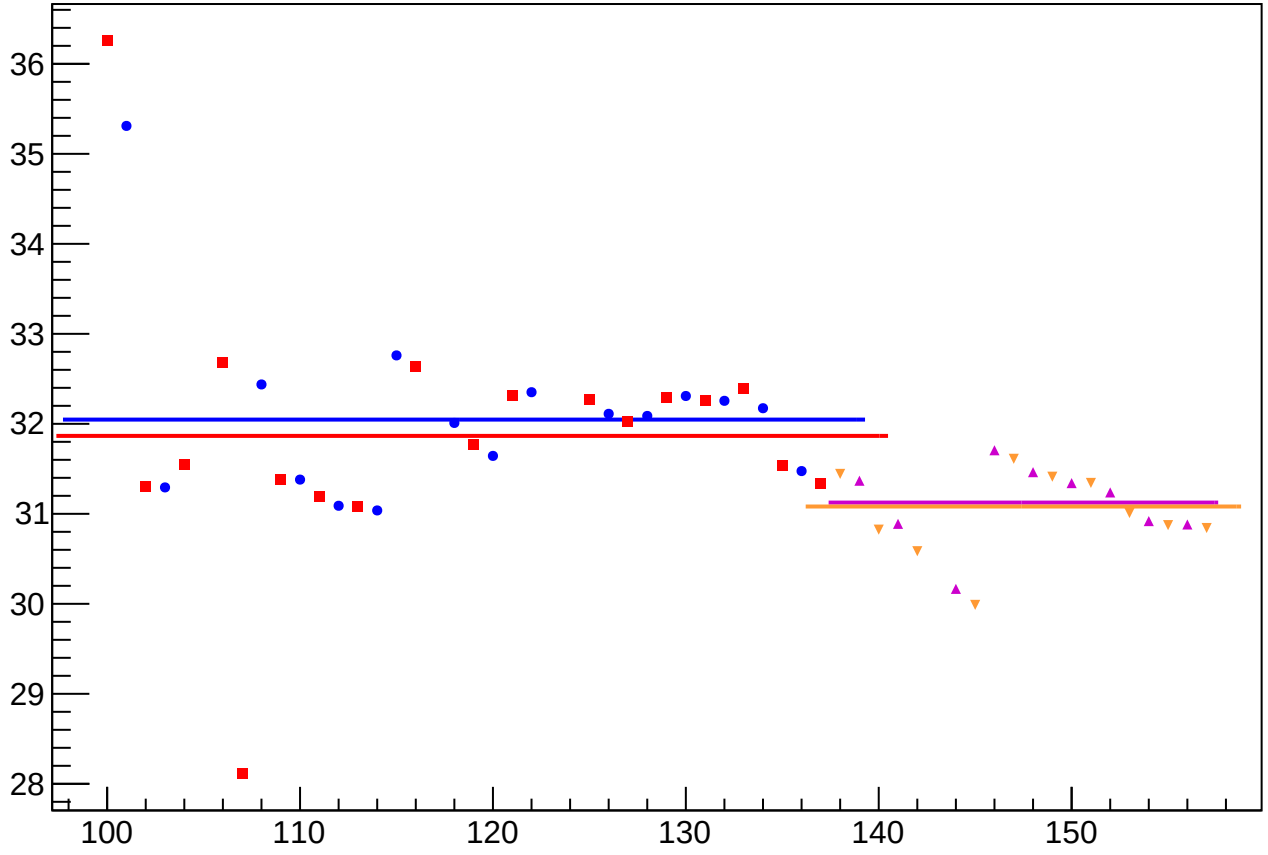
Left In: 0.000+/-0.000 χ^2/NDF:1812167.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 4301965.8/25

All: 0.000+/-0.000 χ^2/NDF: 8505703.6/52

- sign 0.000+/-0.000 χ^2/NDF: 4182675.7/26

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.081+/-0.000 χ^2/NDF:197368209.8/9

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

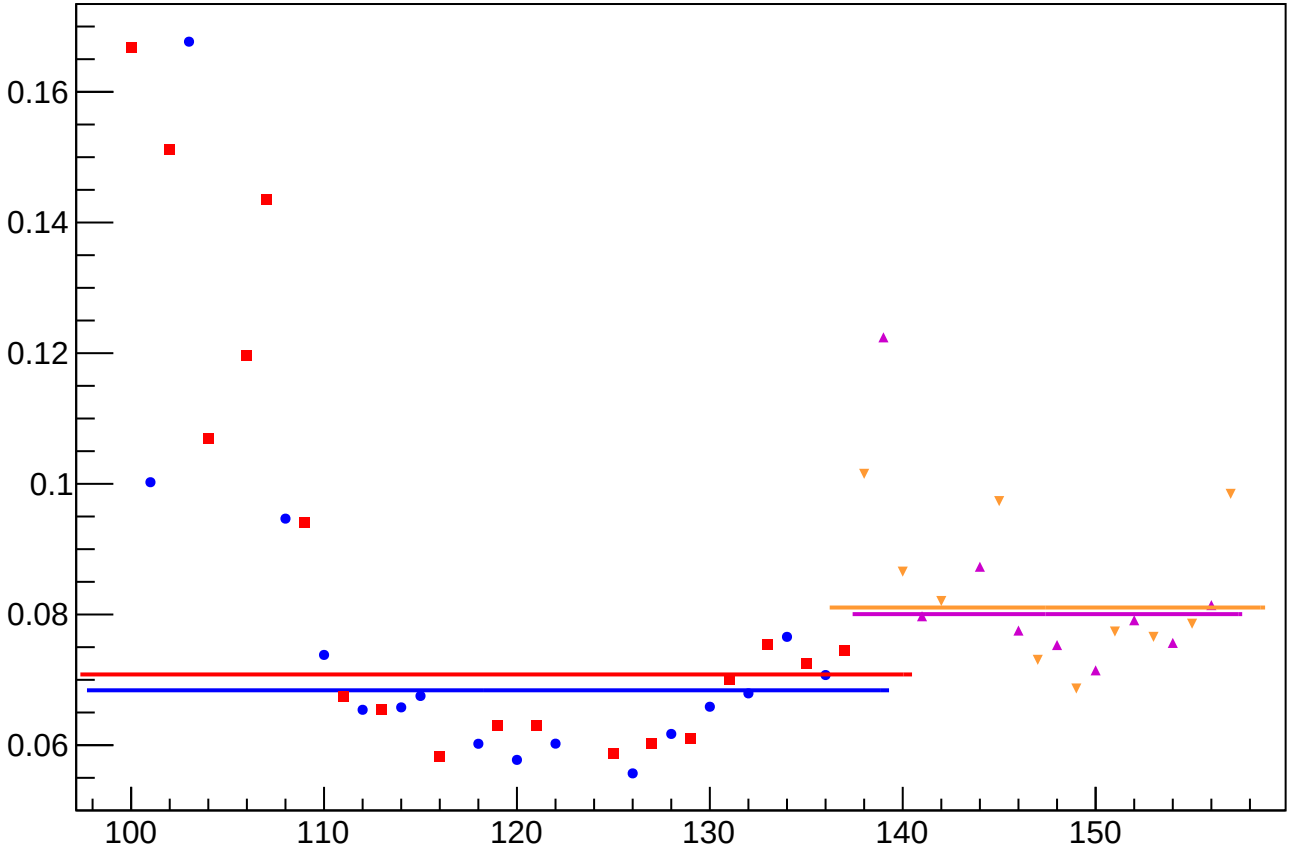
Left In: 31.125+/-0.000 χ^2/NDF:187781734.3/8

\+ sign 31.621+/-0.000 χ^2/NDF: 1645834055.5/25

All: 31.572+/-0.000 χ^2/NDF: 2648567274.8/5

\- sign 31.521+/-0.000 χ^2/NDF: 990878774.1/26

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:227179.5/9

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

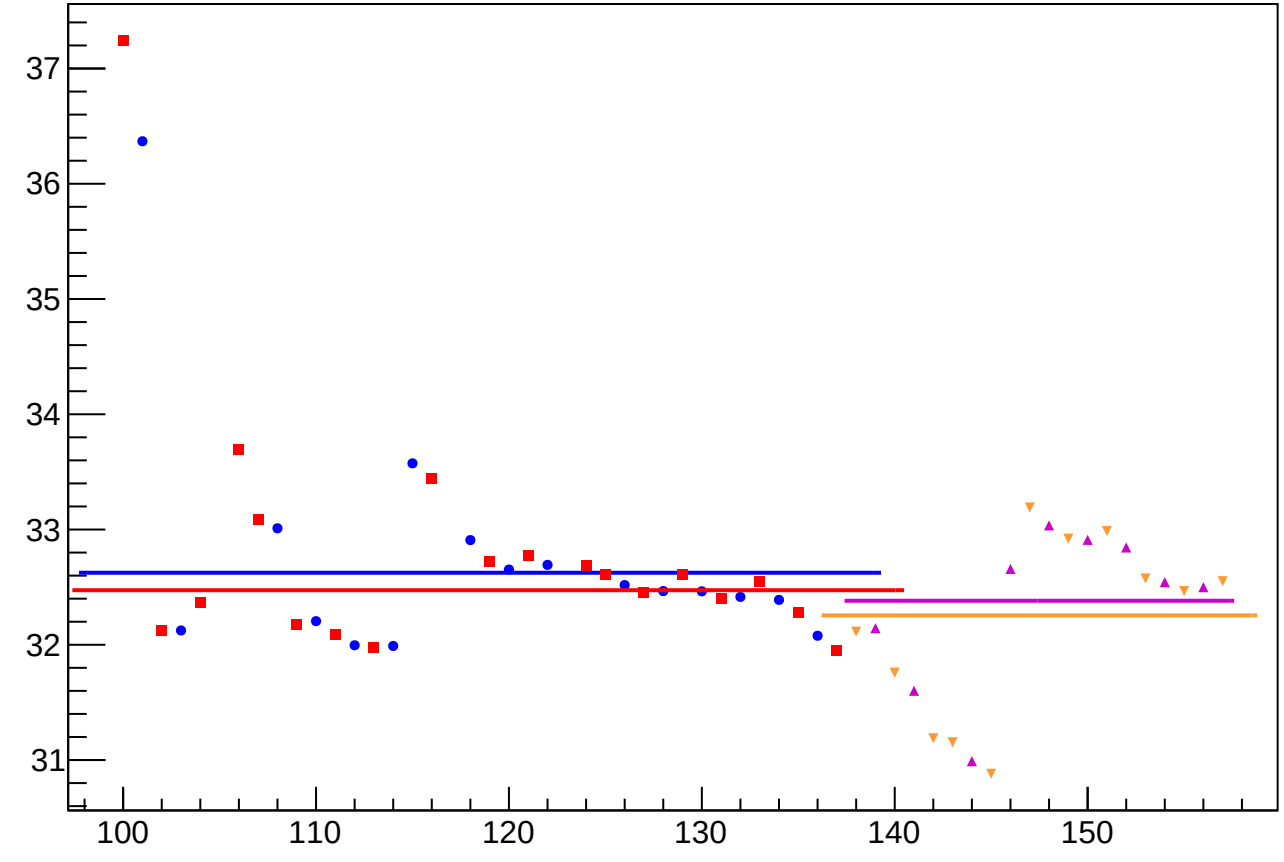
Left In: 0.080+/-0.000 χ^2/NDF:237433.8/8

+ sign 0.074+/-0.000 χ^2/NDF: 1119675.8/25

All: 0.075+/-0.000 χ^2/NDF: 2326884.3/52

- sign 0.075+/-0.000 χ^2/NDF: 1204152.9/26

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.255+/-0.000 χ^2/NDF:747002856.6/10

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

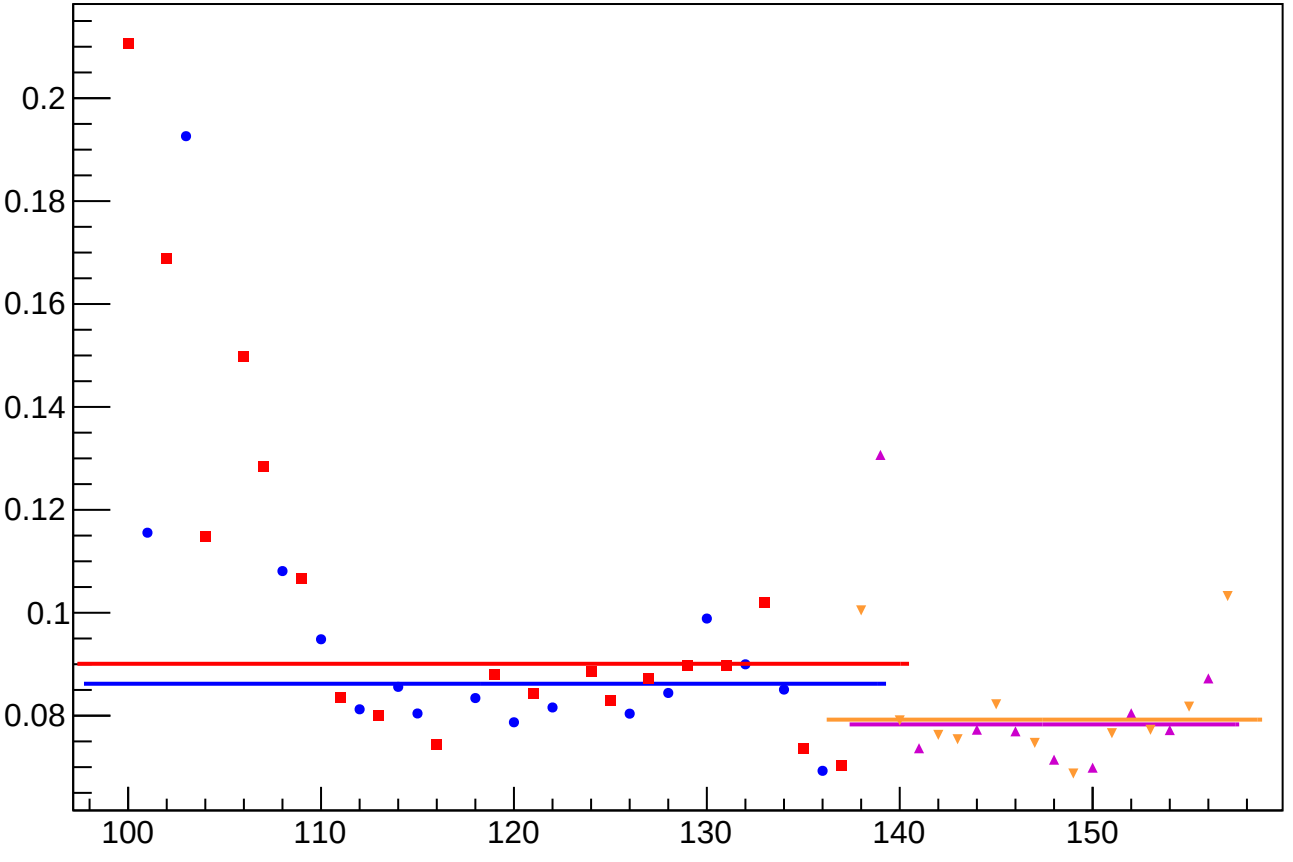
Left In: 32.382+/-0.000 χ^2/NDF:514340201.1/8

+ sign 32.406+/-0.000 χ^2/NDF: 1554550826.3/26

All: 32.413+/-0.000 χ^2/NDF: 2229804727.4/5

- sign 32.419+/-0.000 χ^2/NDF: 675075112.0/27

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:191430.4/10

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

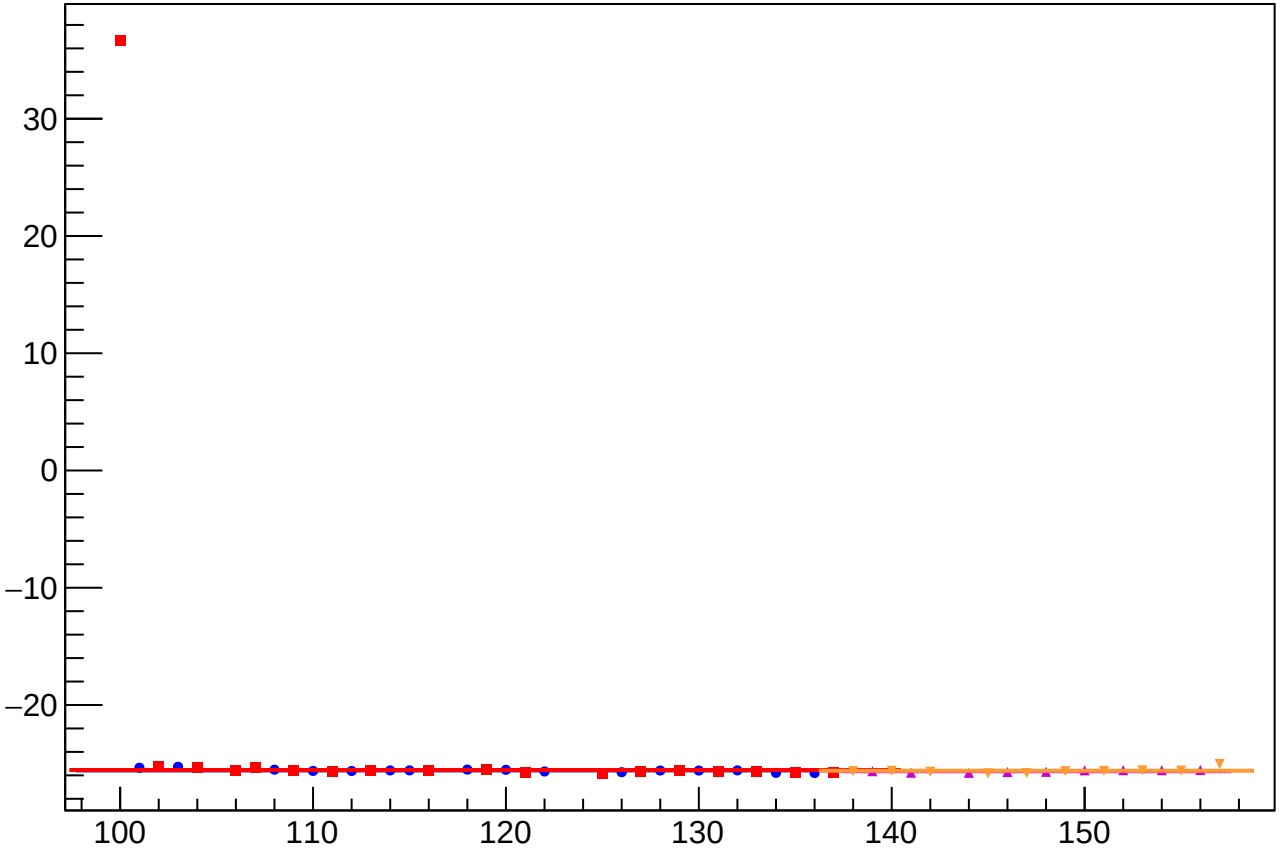
Left In: 0.078+/-0.000 χ^2/NDF:324588.0/8

+ sign 0.082+/-0.000 χ^2/NDF: 838761.5/26

All: 0.083+/-0.000 χ^2/NDF: 1917731.2/54

- sign 0.083+/-0.000 χ^2/NDF: 1076817.6/27

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.608+/-0.000 χ^2/NDF:159037270.6/9

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

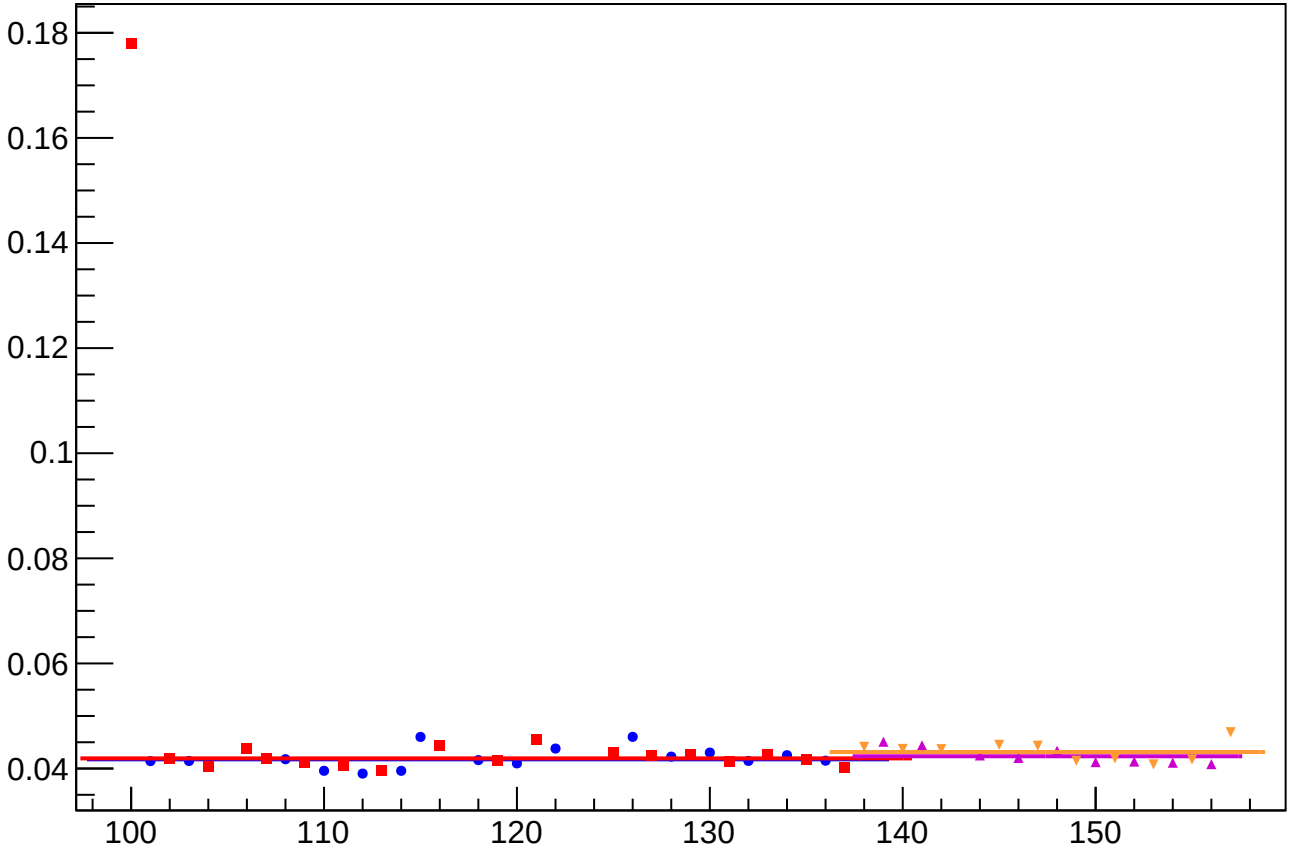
Left In: -25.649+/-0.000 χ^2/NDF:35314373.1/8

+ sign -25.593+/-0.000 χ^2/NDF: 259115478.3/25

All: -25.595+/-0.000 χ^2/NDF: 9225235297.8/

- sign -25.597+/-0.000 χ^2/NDF: 8966049709.9/26

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:25509.7/9

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

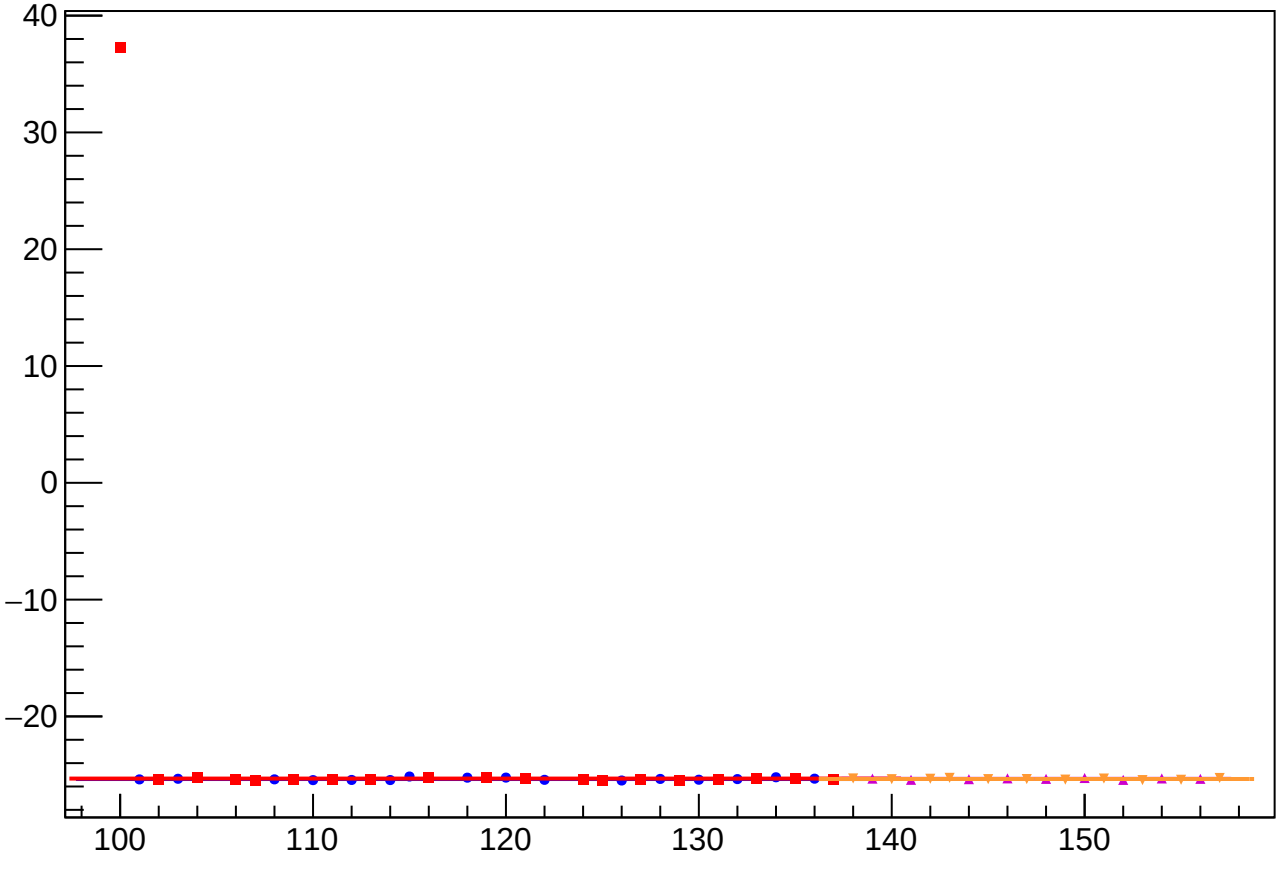
Left In: 0.042+/-0.000 χ^2/NDF:17248.2/8

+ sign 0.042+/-0.000 χ^2/NDF: 54257.7/25

All: 0.042+/-0.000 χ^2/NDF: 173153.7/52

- sign 0.042+/-0.000 χ^2/NDF: 118076.0/26

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.358+/-0.000 χ^2/NDF:9815402.2/10

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

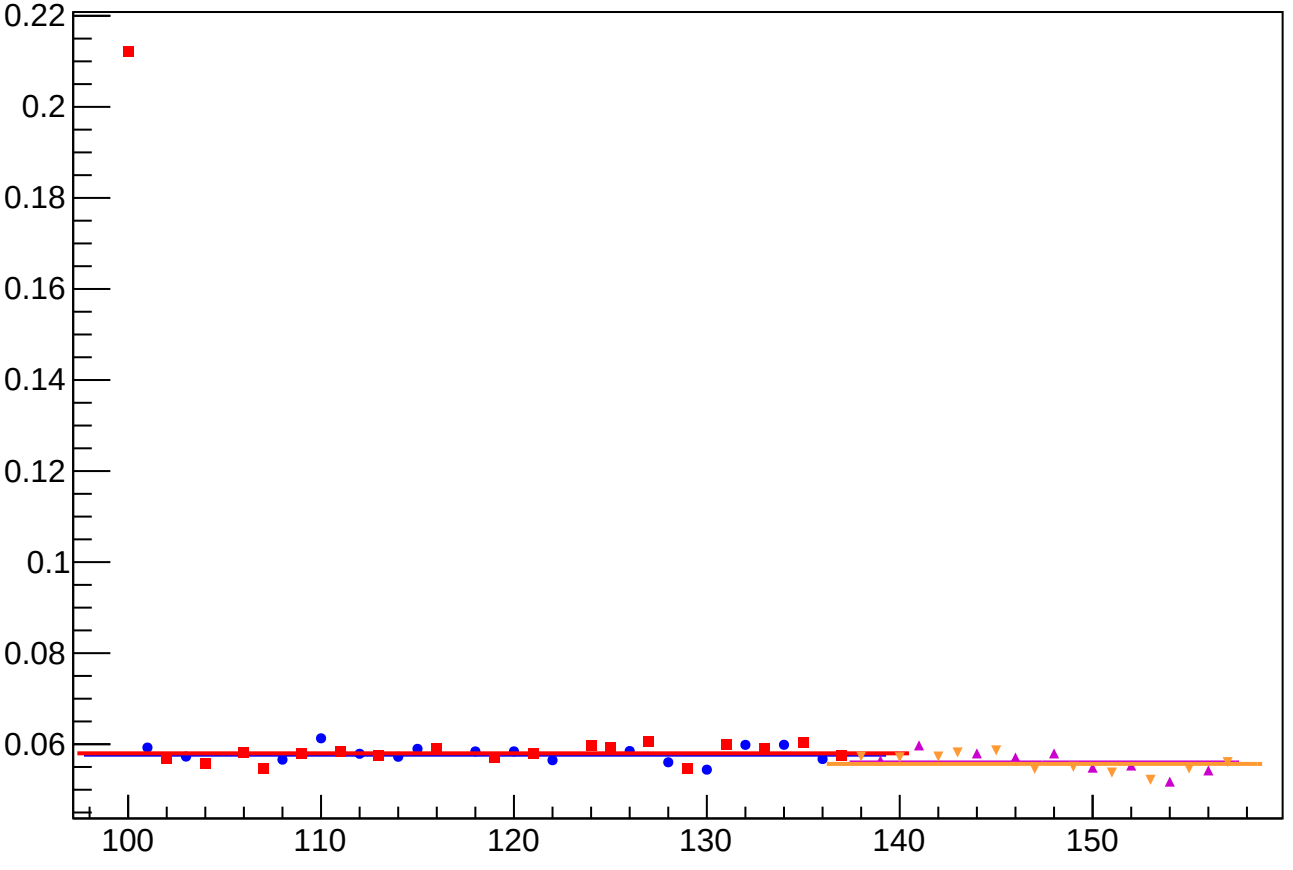
Left In: -25.346+/-0.000 χ^2/NDF:6334487.0/8

+ sign -25.359+/-0.000 χ^2/NDF: 23108480.7/26

All: -25.347+/-0.000 χ^2/NDF: 6346347120.6/

- sign -25.335+/-0.000 χ^2/NDF: 6321887305.4/27

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20595.2/10

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

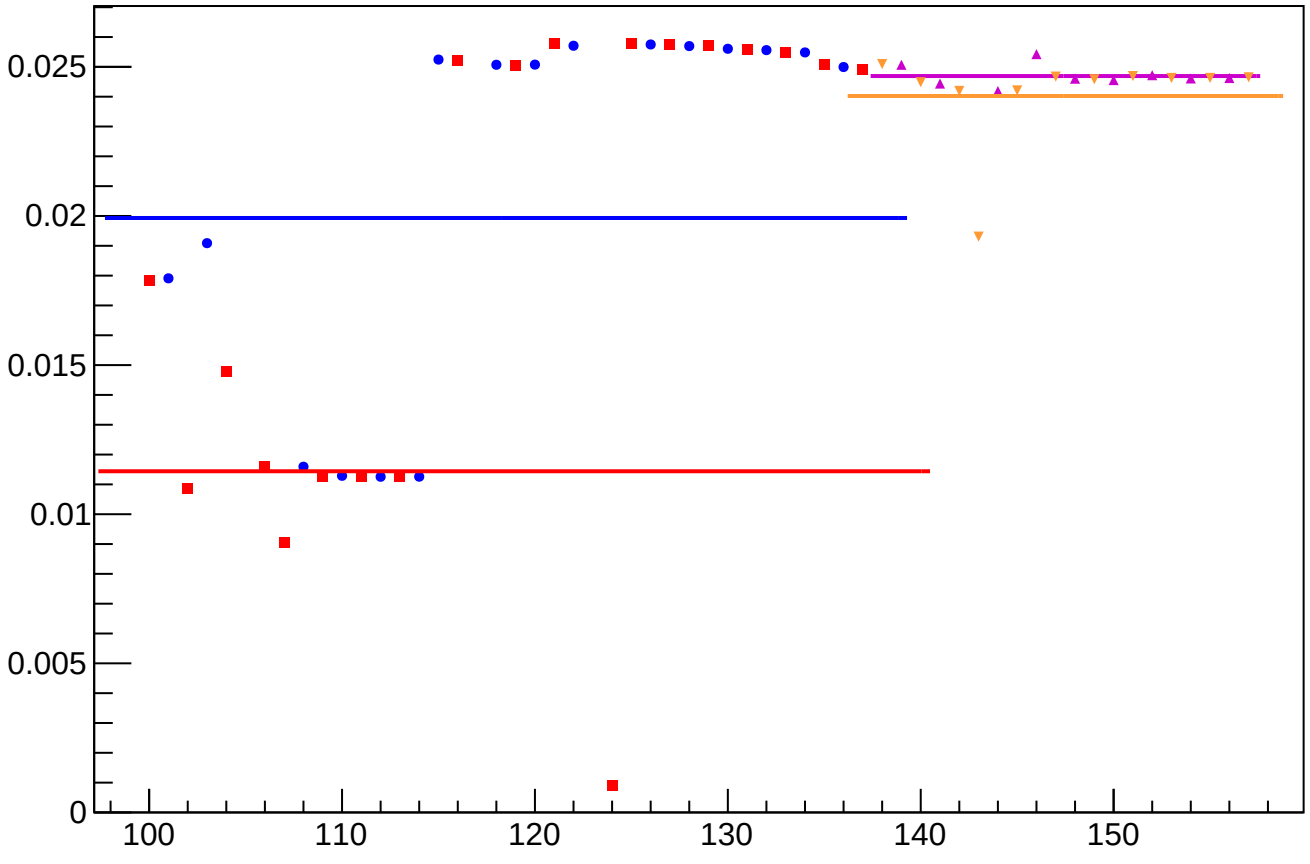
Left In: 0.056+/-0.000 χ^2/NDF:25307.2/8

+ sign 0.057+/-0.000 χ^2/NDF: 42043.4/26

All: 0.057+/-0.000 χ^2/NDF: 165820.6/54

- sign 0.057+/-0.000 χ^2/NDF: 123114.8/27

yield_atl1_mean vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4543388965.2/10

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

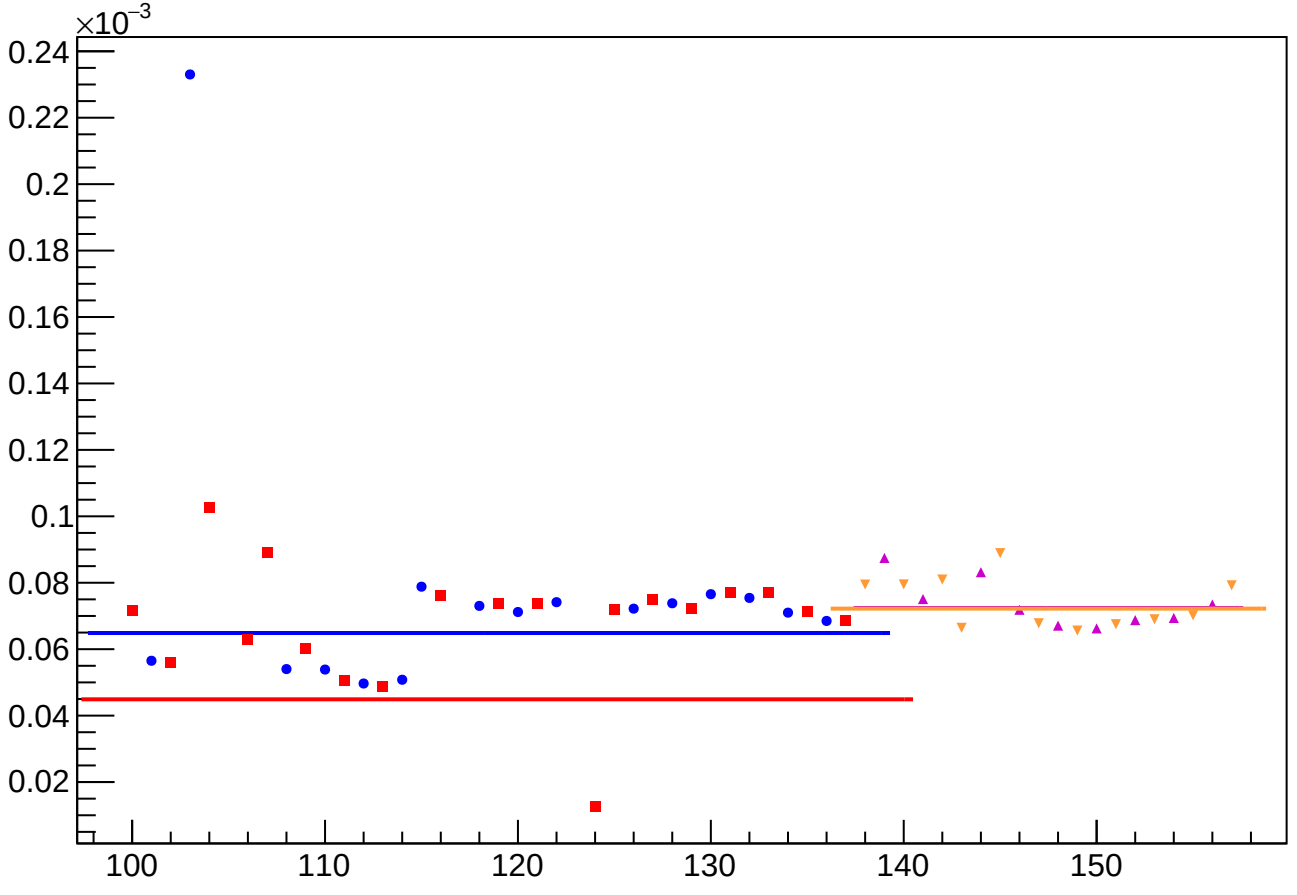
Left In: 0.025+/-0.000 χ^2/NDF:154624925.9/8

+ sign 0.022+/-0.000 χ^2/NDF: 80216639762.3/26

All: 0.019+/-0.000 χ^2/NDF: 553516198594.0

- sign 0.016+/-0.000 χ^2/NDF: 415458152972.8/27

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:151477.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

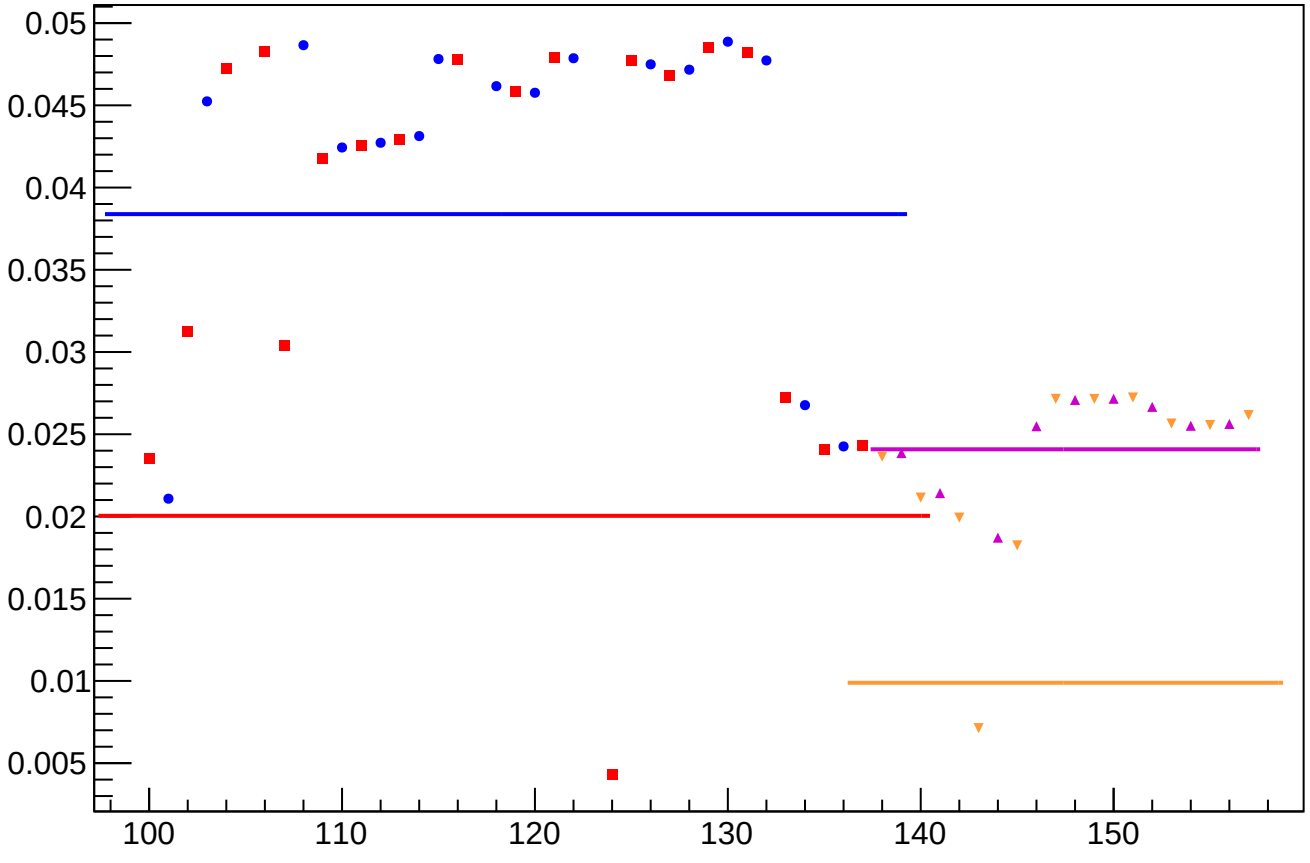
Left In: 0.000+/-0.000 χ^2/NDF:113291.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 1053398.8/26

All: 0.000+/-0.000 χ^2/NDF: 6983239.7/54

- sign 0.000+/-0.000 χ^2/NDF: 5273091.8/27

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:21168777189.2/10

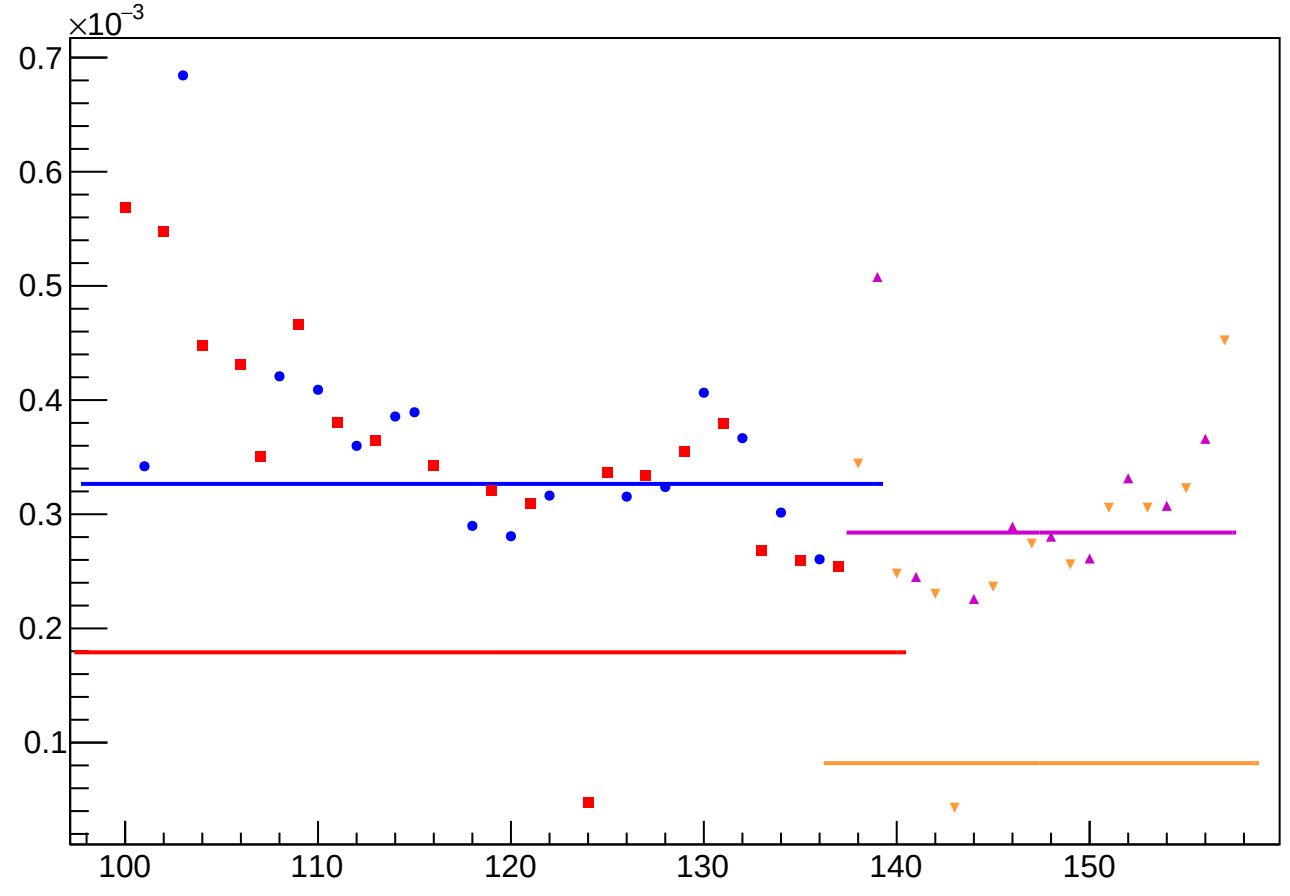
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:850000155.2/8

+ sign 0.013+/-0.000 χ^2/NDF: 71421700958.9/26

All: 0.015+/-0.000 χ^2/NDF: 127344079971.4

- sign 0.022+/-0.000 χ^2/NDF: 43852569985.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8509818.4/10

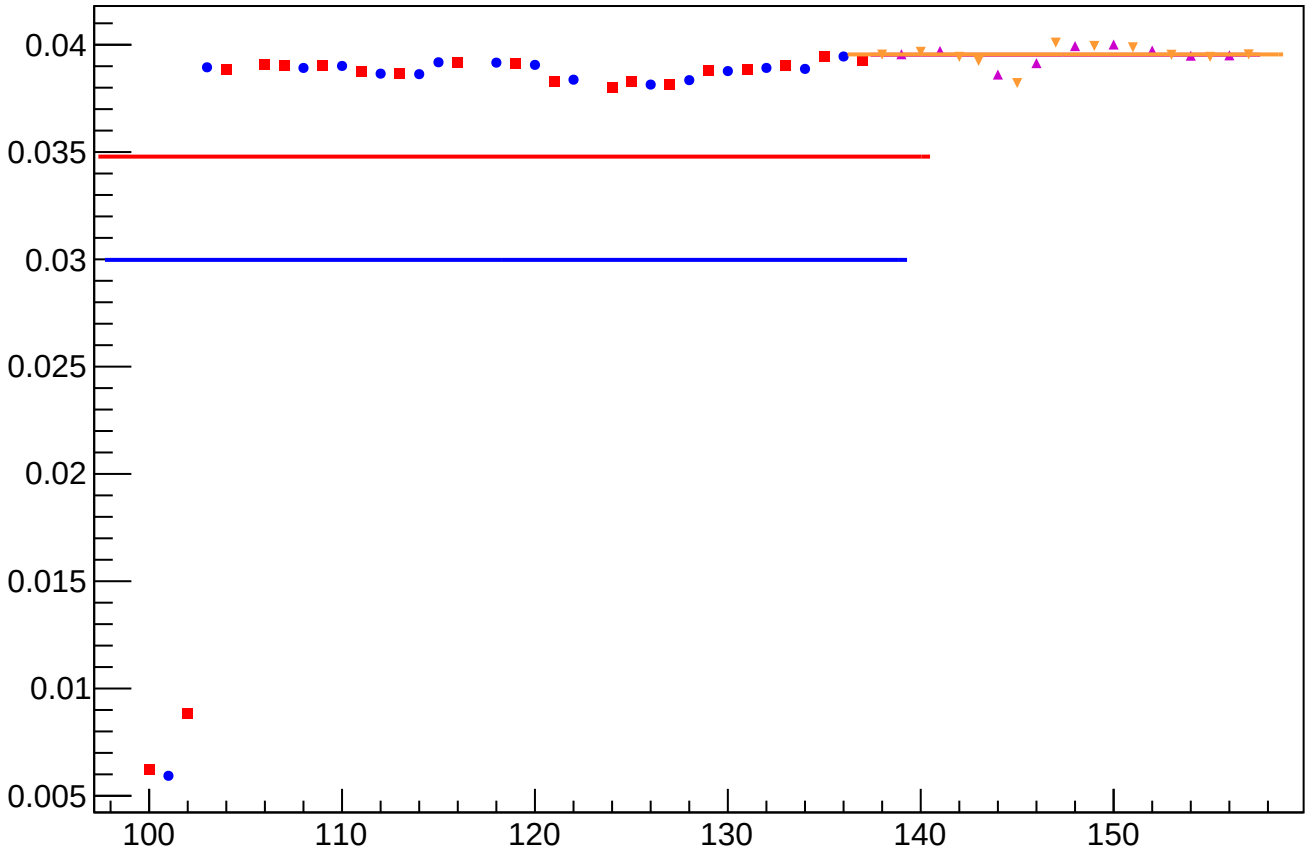
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:583977.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 15451343.8/26

All: 0.000+/-0.000 χ^2/NDF: 26827732.7/54

- sign 0.000+/-0.000 χ^2/NDF: 7344388.4/27



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92854471.0/10

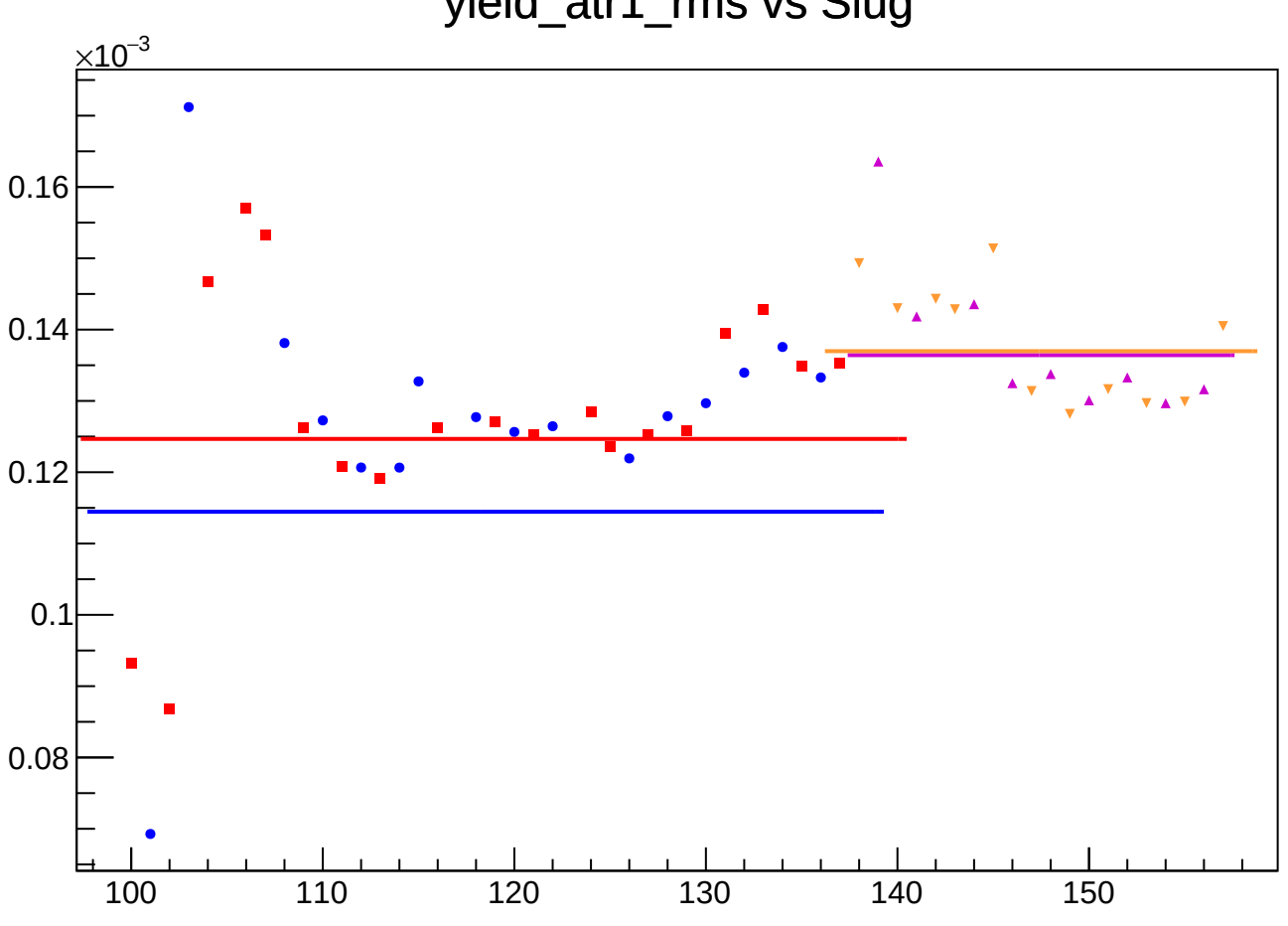
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65836672.0/8

+ sign 0.034+/-0.000 χ^2/NDF: 130126049568.6/26

All: 0.036+/-0.000 χ^2/NDF: 185287934997.3

- sign 0.037+/-0.000 χ^2/NDF: 52122796664.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:56380.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

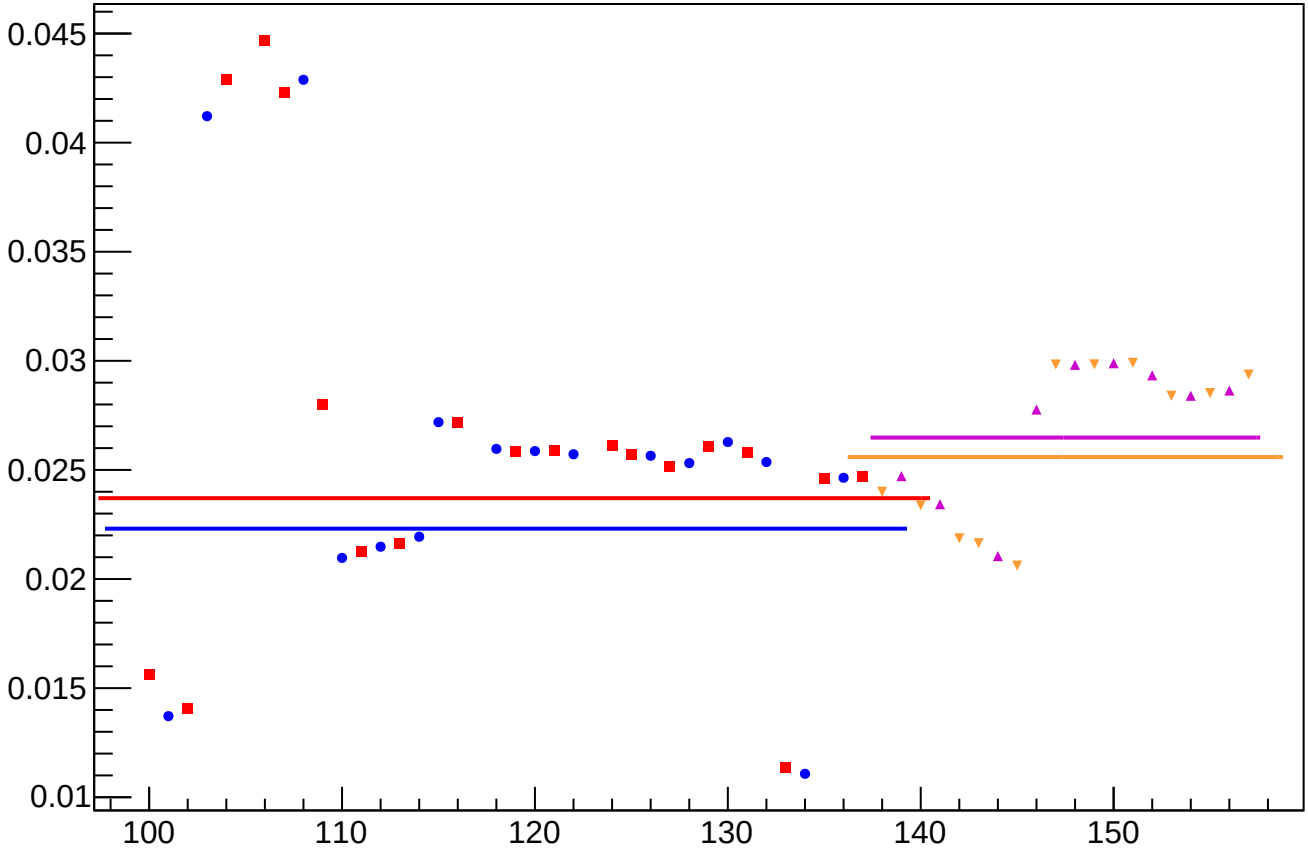
Left In: 0.000+/-0.000 χ^2/NDF:66284.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 1150199.0/26

All: 0.000+/-0.000 χ^2/NDF: 1560793.3/54

- sign 0.000+/-0.000 χ^2/NDF: 385434.1/27

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1490769931.1/10

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

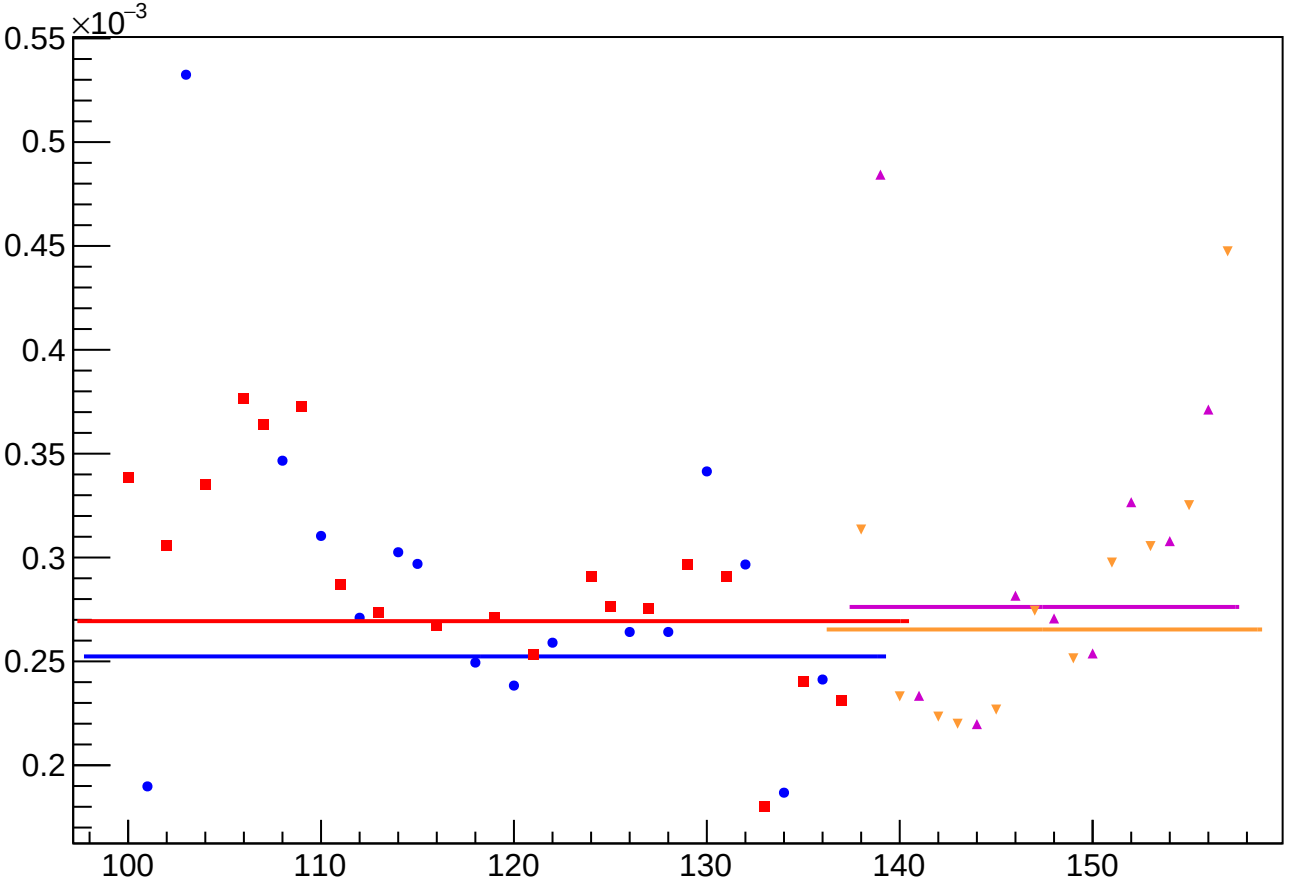
Left In: 0.026+/-0.000 χ^2/NDF:1047526549.6/8

+ sign 0.024+/-0.000 χ^2/NDF: 7050131979.9/26

All: 0.025+/-0.000 χ^2/NDF: 14139291838.4/5

- sign 0.025+/-0.000 χ^2/NDF: 6974905303.0/27

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:503532.1/10

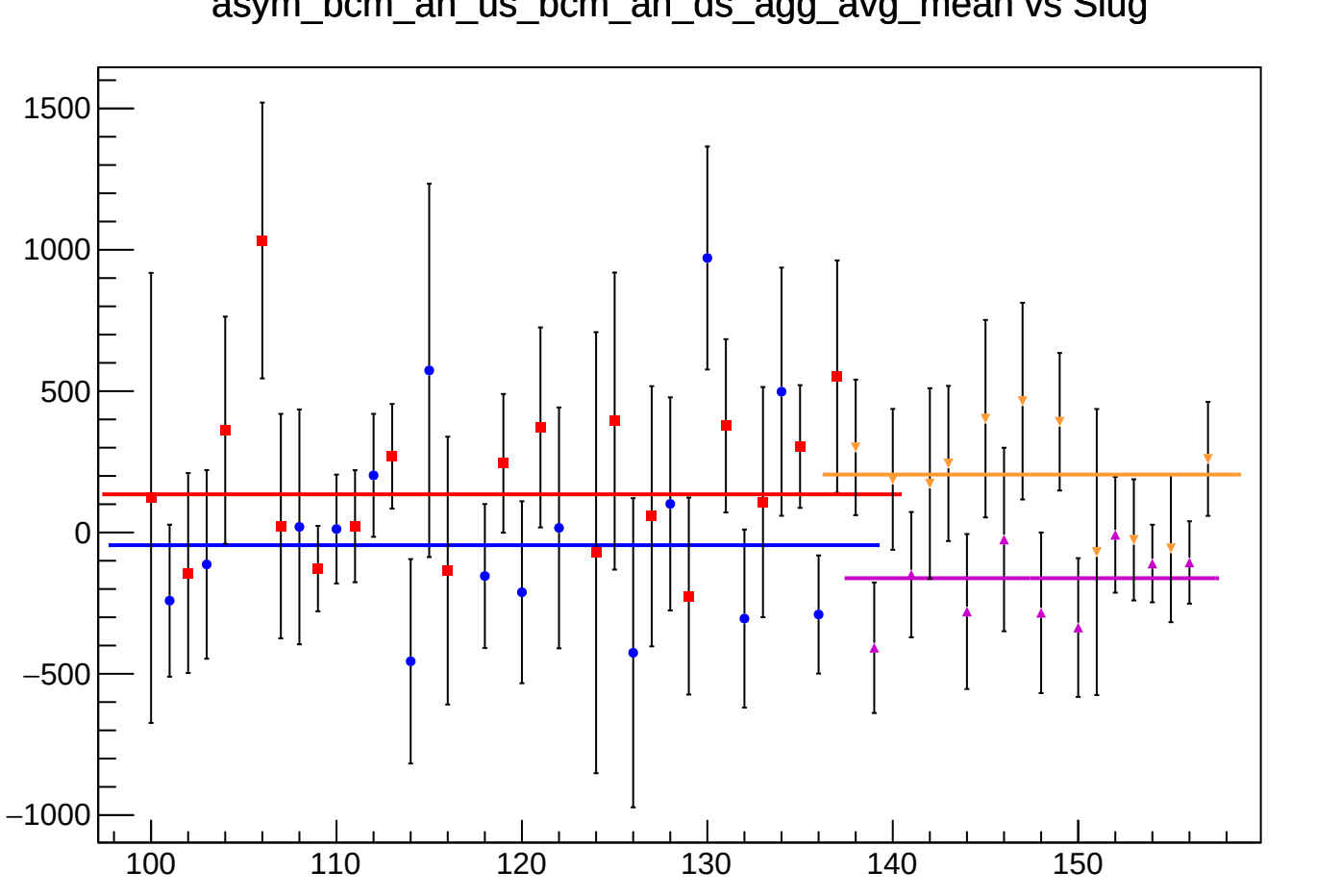
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:622781.9/8

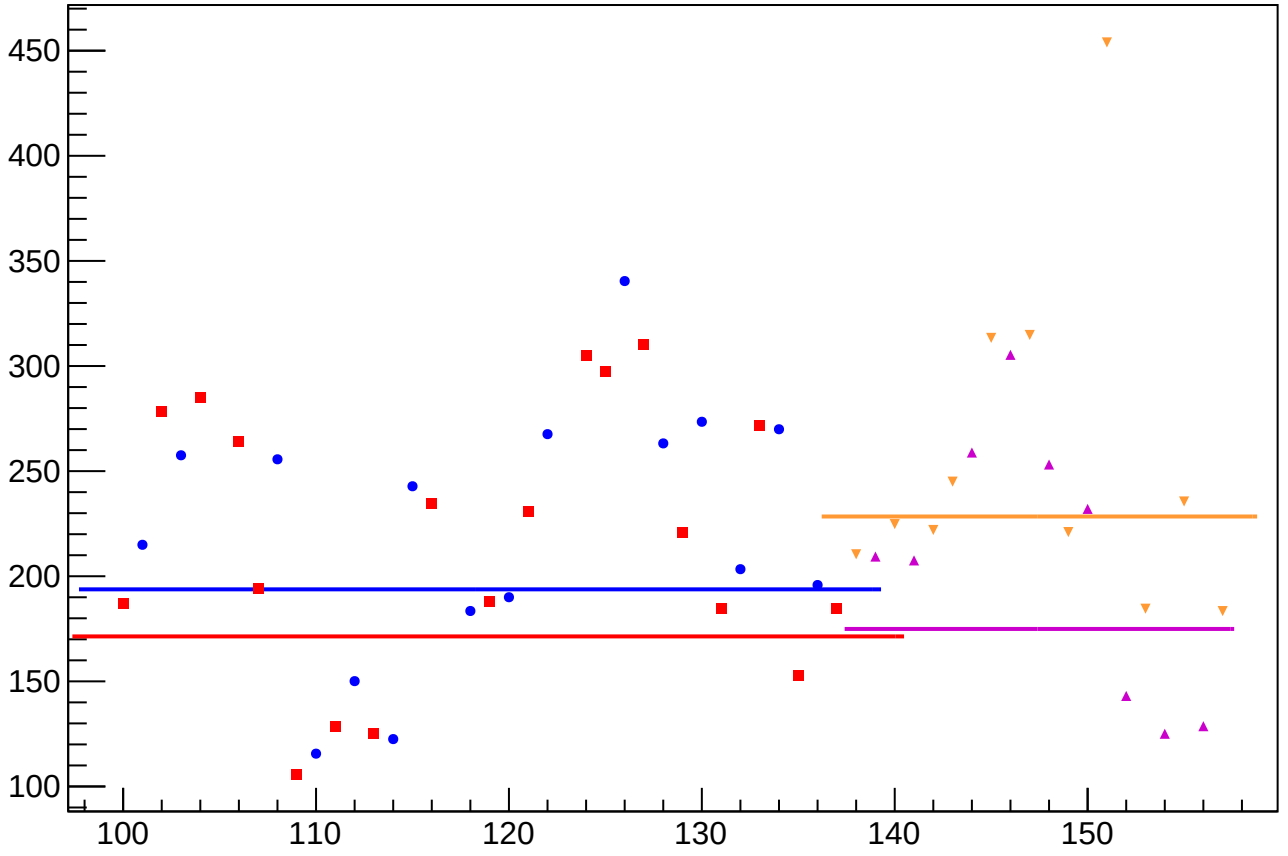
+ sign 0.000+/-0.000 χ^2/NDF: 1228471.3/26

All: 0.000+/-0.000 χ^2/NDF: 2337602.8/54

- sign 0.000+/-0.000 χ^2/NDF: 1073327.3/27


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 204.932+/-80.620 χ²/NDF:4.2/10
Right Out: 134.996+/-68.062 χ²/NDF: 12.9/18
Left In: -161.795+/-68.222 χ²/NDF:3.0/8
+ sign 72.968+/-55.377 χ²/NDF: 24.7/26
All: 24.011+/-36.350 χ²/NDF: 51.6/54
- sign -13.052+/-48.183 χ²/NDF: 25.5/27

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 228.422+/-0.057 χ^2/NDF:845164.1/10

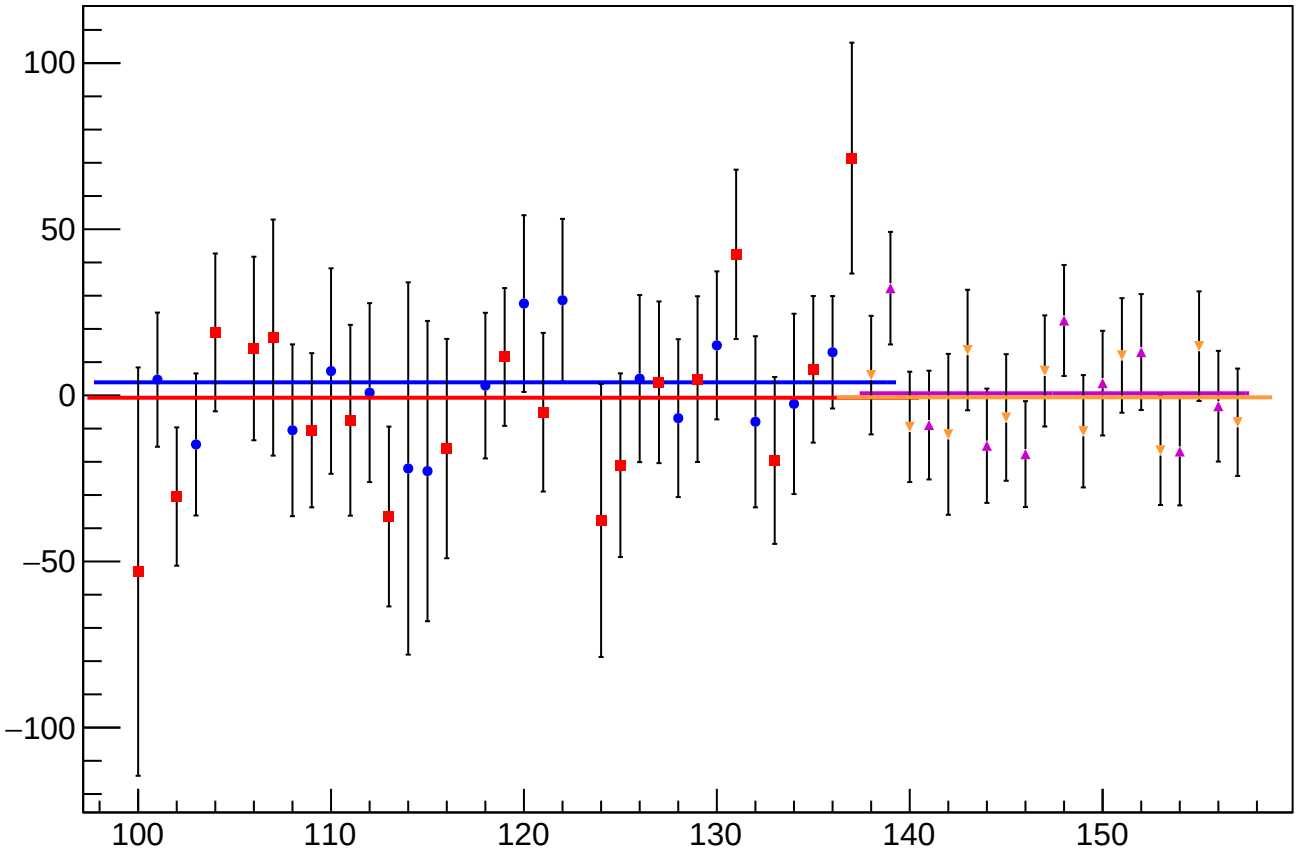
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.931+/-0.048 χ^2/NDF:1371530.5/8

+ sign 210.119+/-0.039 χ^2/NDF: 2088444.6/26

All: 189.080+/-0.026 χ^2/NDF: 5627976.0/54

- sign 173.152+/-0.034 χ^2/NDF: 3032323.5/27



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -0.594+/-5.276 χ^2/NDF:4.5/10

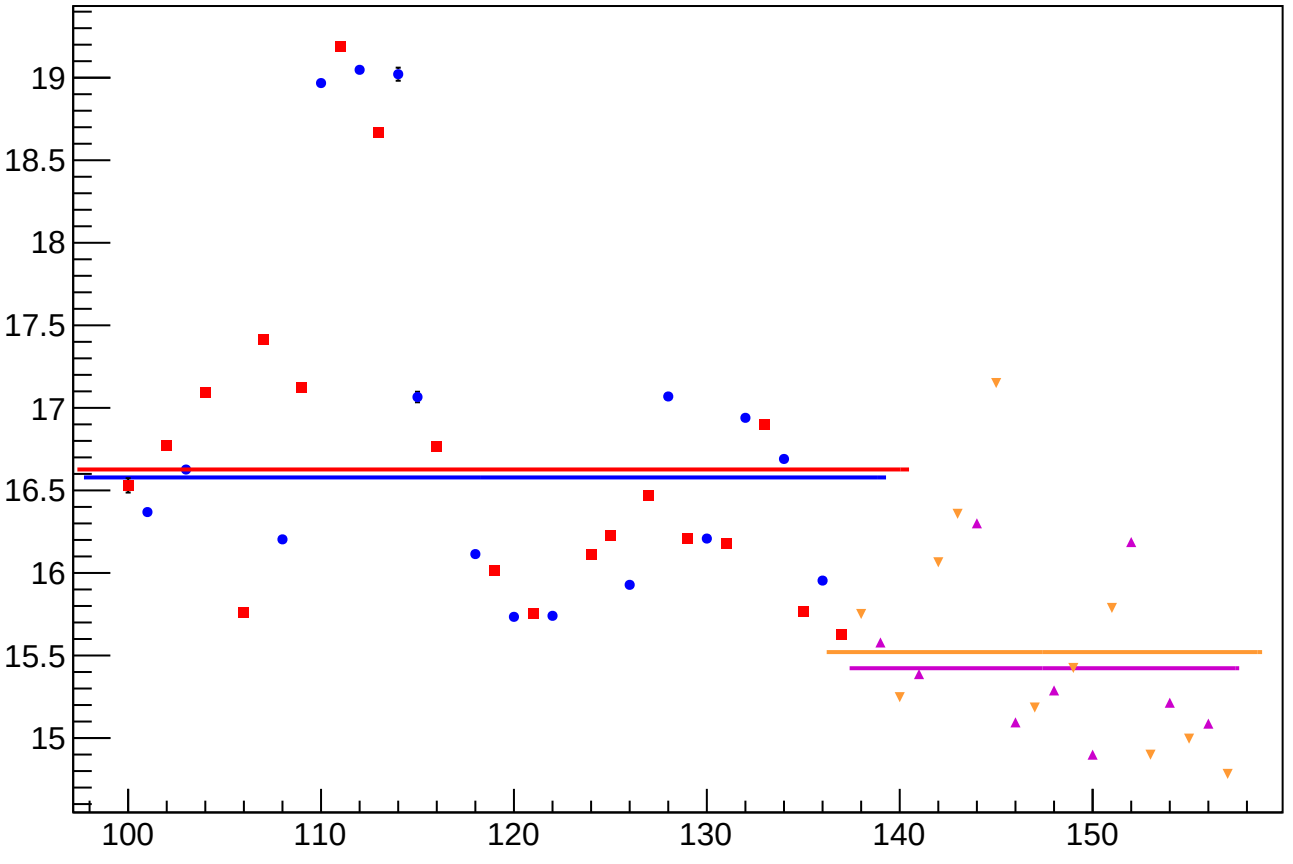
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 0.626+/-5.518 χ^2/NDF:9.5/8

+ sign 1.313+/-4.010 χ^2/NDF: 9.3/26

All: 0.679+/-2.862 χ^2/NDF: 34.8/54

- sign 0.020+/-4.085 χ^2/NDF: 25.4/27



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.521+/-0.004 χ^2/NDF:31196.5/10

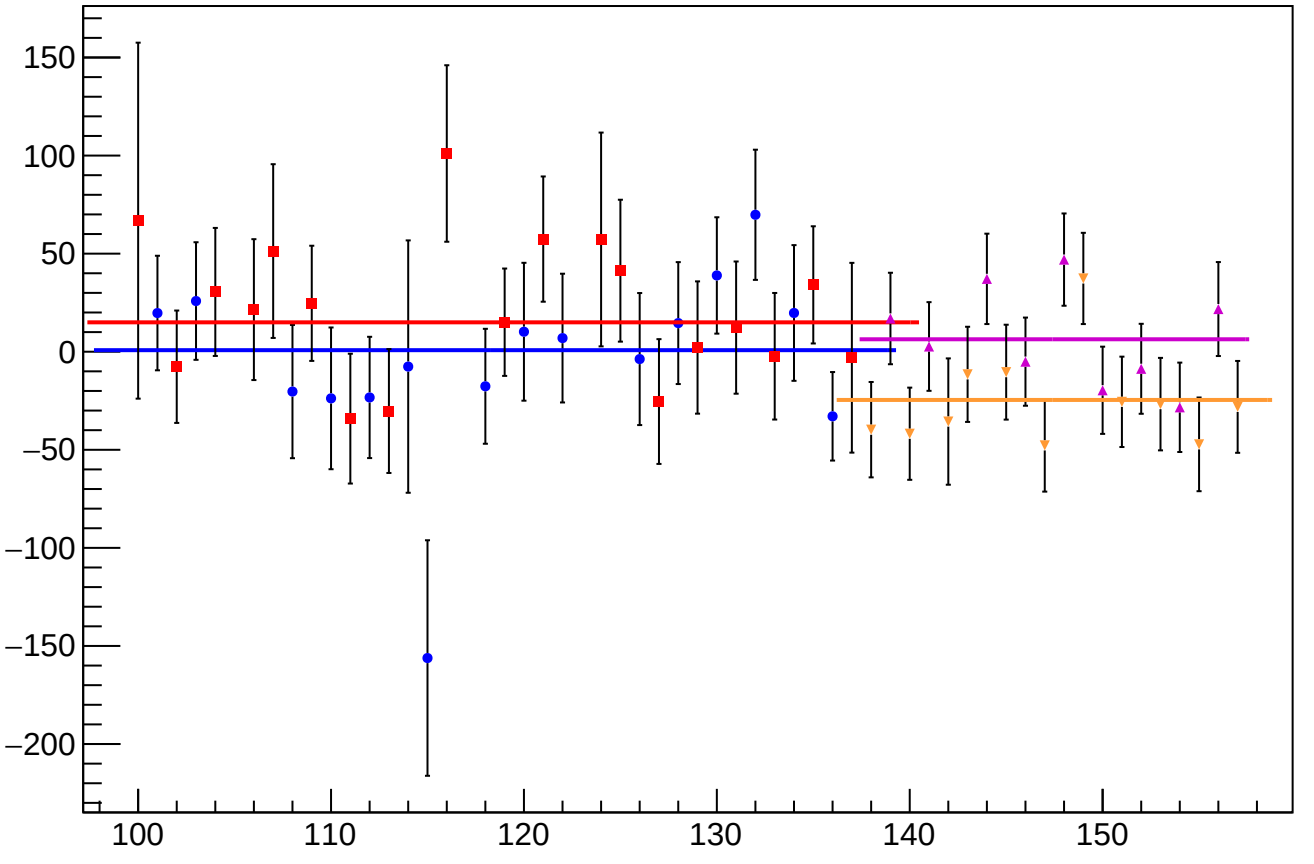
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.423+/-0.004 χ^2/NDF:13552.3/8

+ sign 15.967+/-0.003 χ^2/NDF: 109722.4/26

All: 15.967+/-0.002 χ^2/NDF: 209761.6/54

- sign 15.967+/-0.003 χ^2/NDF: 100039.2/27



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -24.584+/-7.297 χ^2/NDF:10.7/10

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

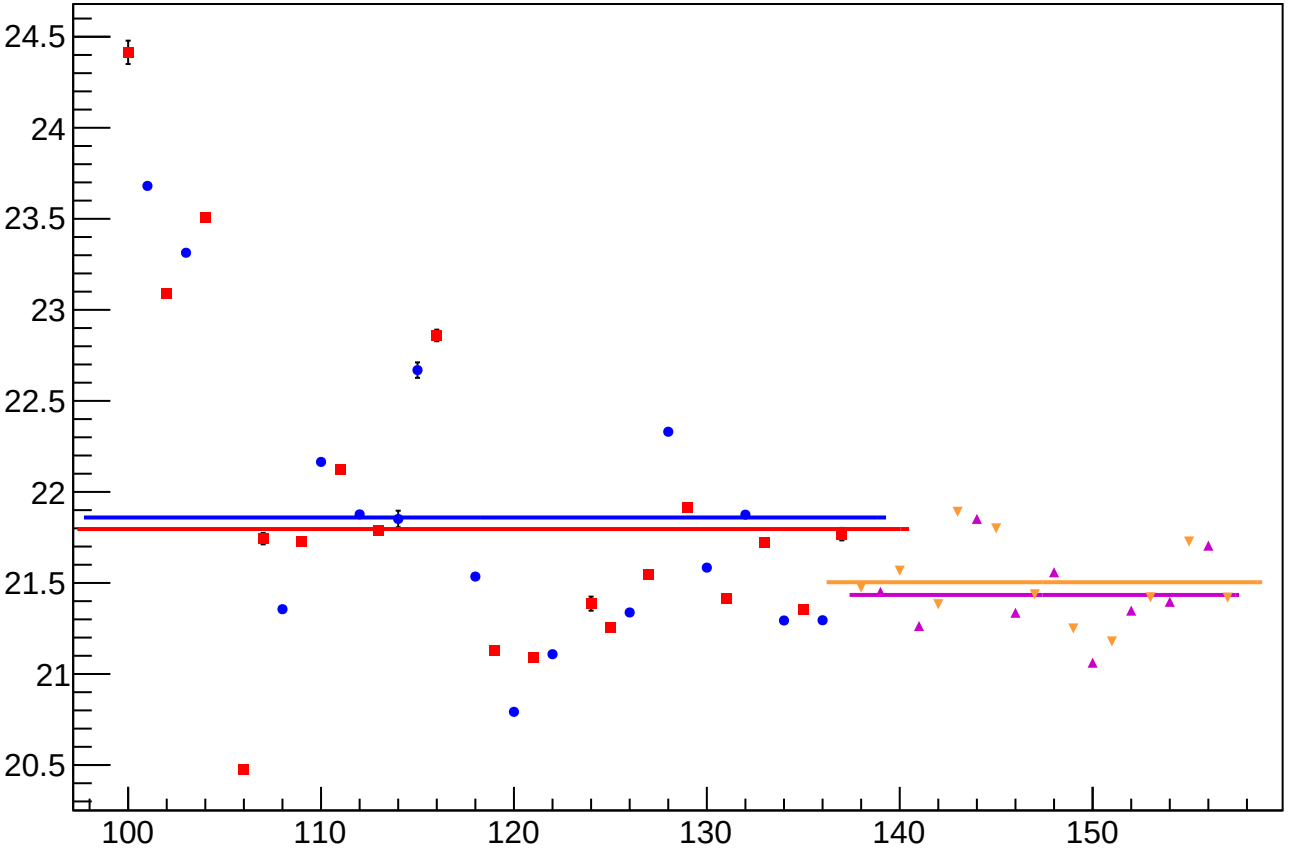
Left In: 6.346+/-7.656 χ^2/NDF:9.8/8

\+ sign -13.256+/-5.429 χ^2/NDF: 34.7/26

All: -1.567+/-3.869 χ^2/NDF: 69.9/54

\- sign 10.499+/-5.516 χ^2/NDF: 25.8/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.504+/-0.005 χ^2/NDF:1732.1/10

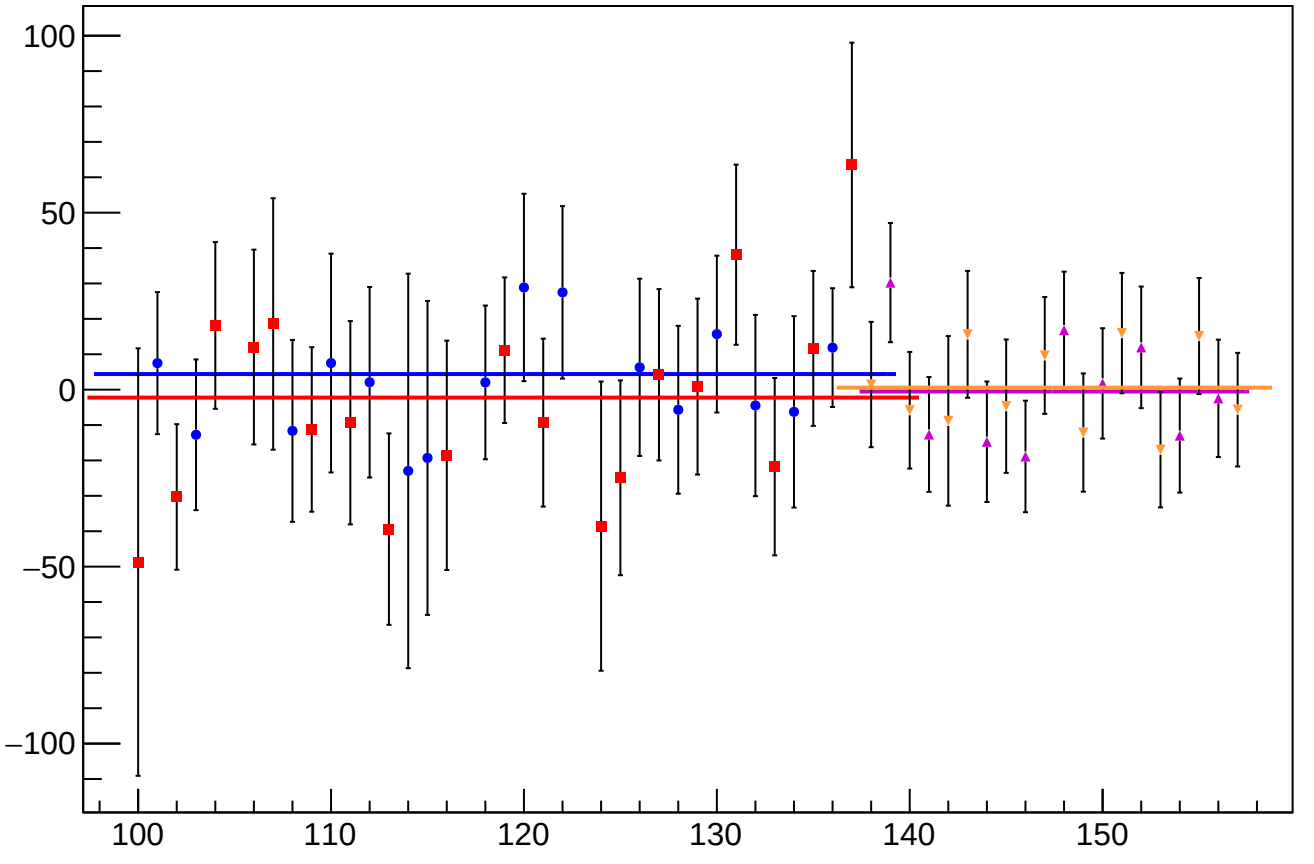
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.434+/-0.005 χ^2/NDF:1715.9/8

+ sign 21.663+/-0.004 χ^2/NDF: 23321.1/26

All: 21.636+/-0.003 χ^2/NDF: 46148.4/54

- sign 21.608+/-0.004 χ^2/NDF: 22728.5/27



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 0.578+/-5.226 χ^2/NDF:4.9/10

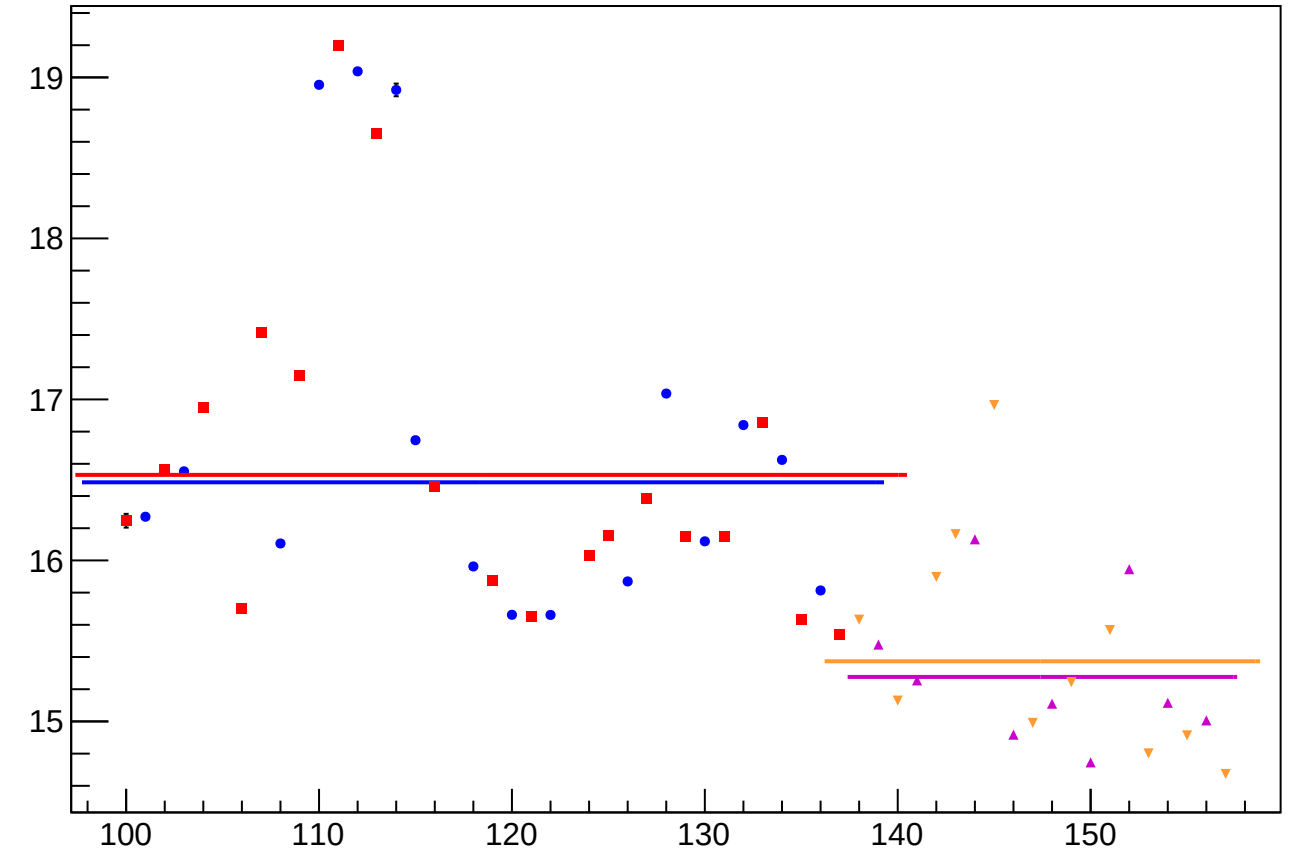
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.529+/-5.466 χ^2/NDF:8.2/8

+ sign 2.186+/-3.979 χ^2/NDF: 9.4/26

All: 0.475+/-2.839 χ^2/NDF: 33.4/54

- sign -1.301+/-4.053 χ^2/NDF: 23.6/27



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.374+/-0.004 χ^2/NDF:29263.5/10

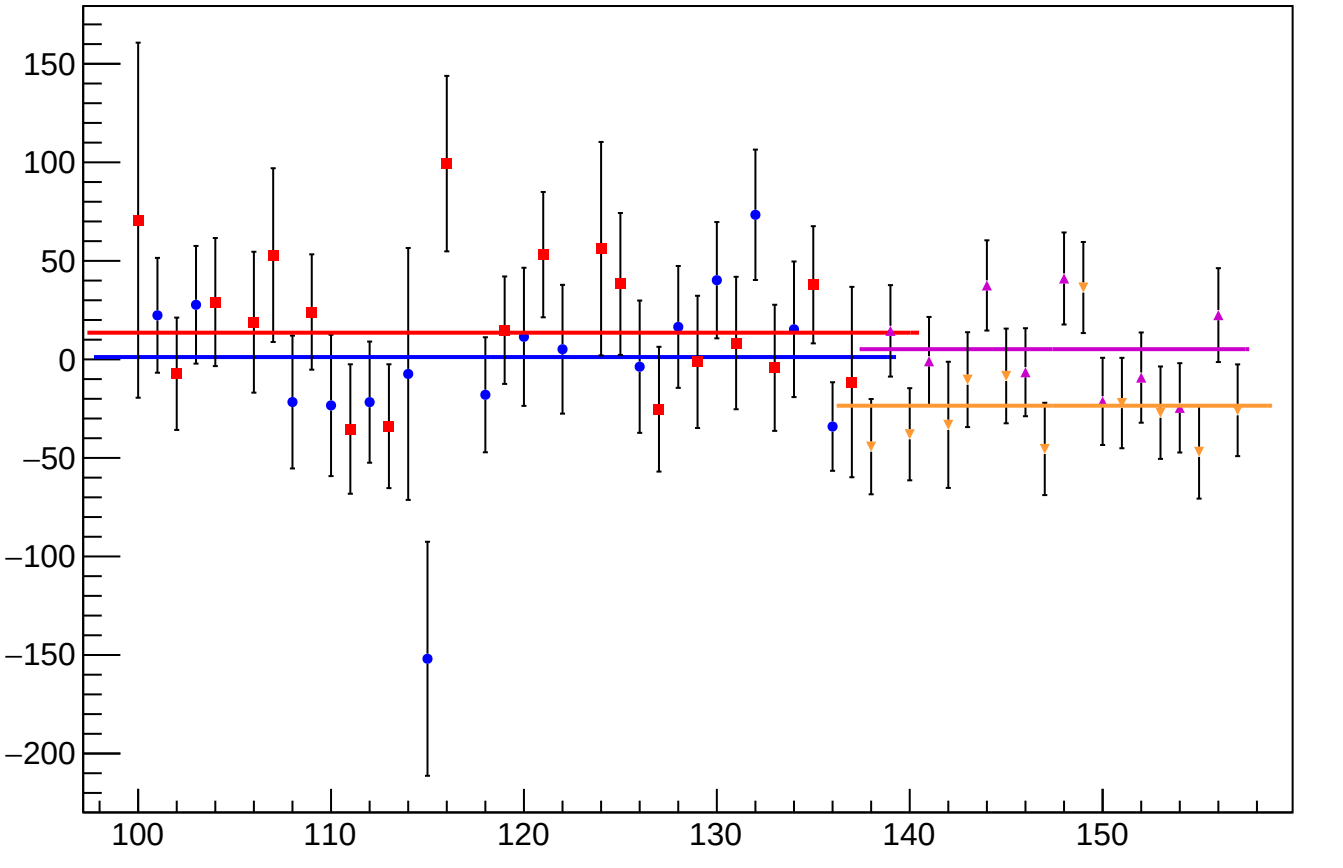
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.276+/-0.004 χ^2/NDF:12653.5/8

\+ sign 15.841+/-0.003 χ^2/NDF: 114482.1/26

All: 15.841+/-0.002 χ^2/NDF: 221053.4/54

\- sign 15.841+/-0.003 χ^2/NDF: 106571.3/27



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -23.498+/-7.254 χ^2/NDF:10.5/10

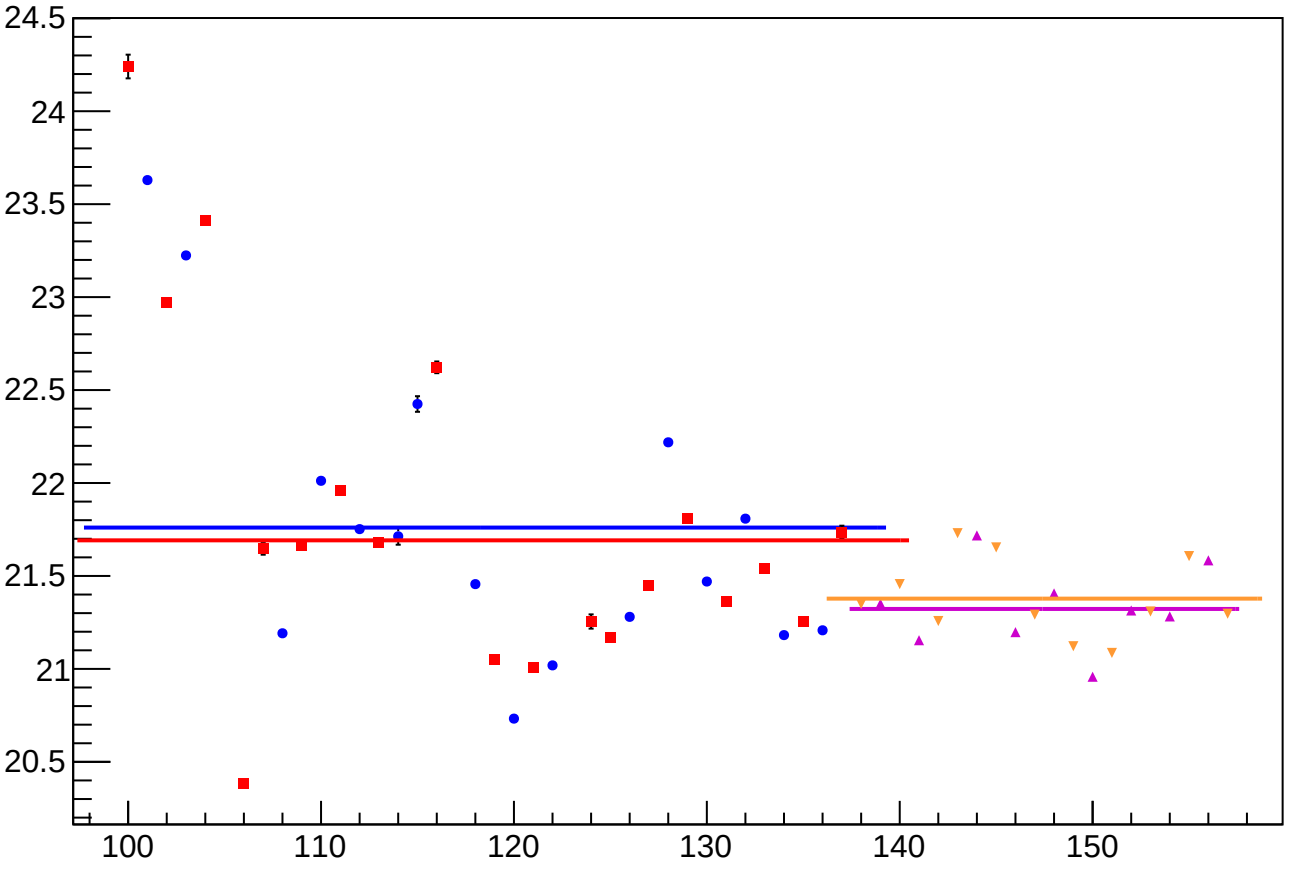
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 5.187+/-7.616 χ^2/NDF:8.9/8

+ sign -12.495+/-5.400 χ^2/NDF: 35.1/26

All: -1.820+/-3.849 χ^2/NDF: 68.5/54

- sign 9.207+/-5.488 χ^2/NDF: 25.5/27



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.378+/-0.005 χ^2/NDF:1568.2/10

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

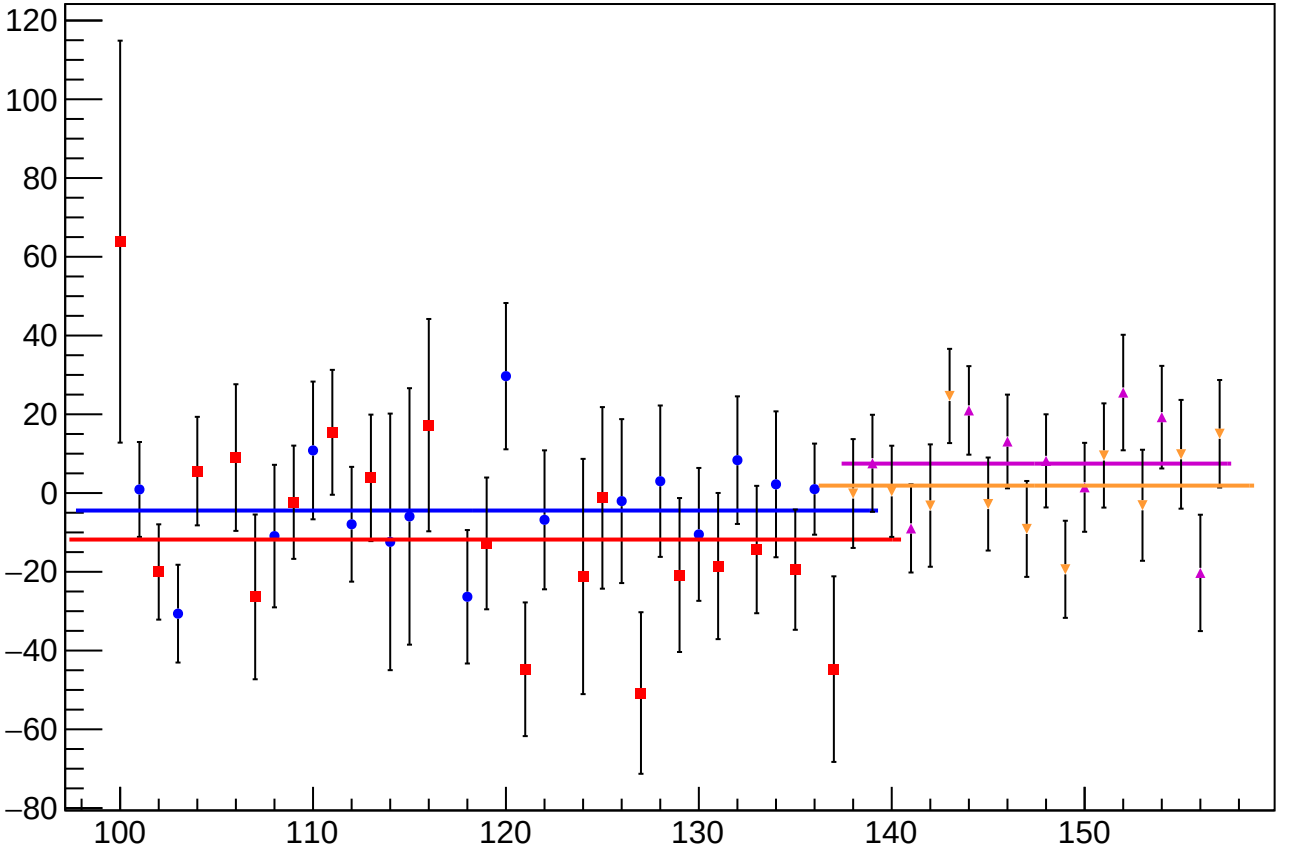
Left In: 21.323+/-0.005 χ^2/NDF:1590.5/8

\+ sign 21.548+/-0.004 χ^2/NDF: 23789.9/26

All: 21.525+/-0.003 χ^2/NDF: 46048.0/54

\- sign 21.500+/-0.004 χ^2/NDF: 22178.9/27

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.891+/-3.903 χ^2/NDF:9.4/10

Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

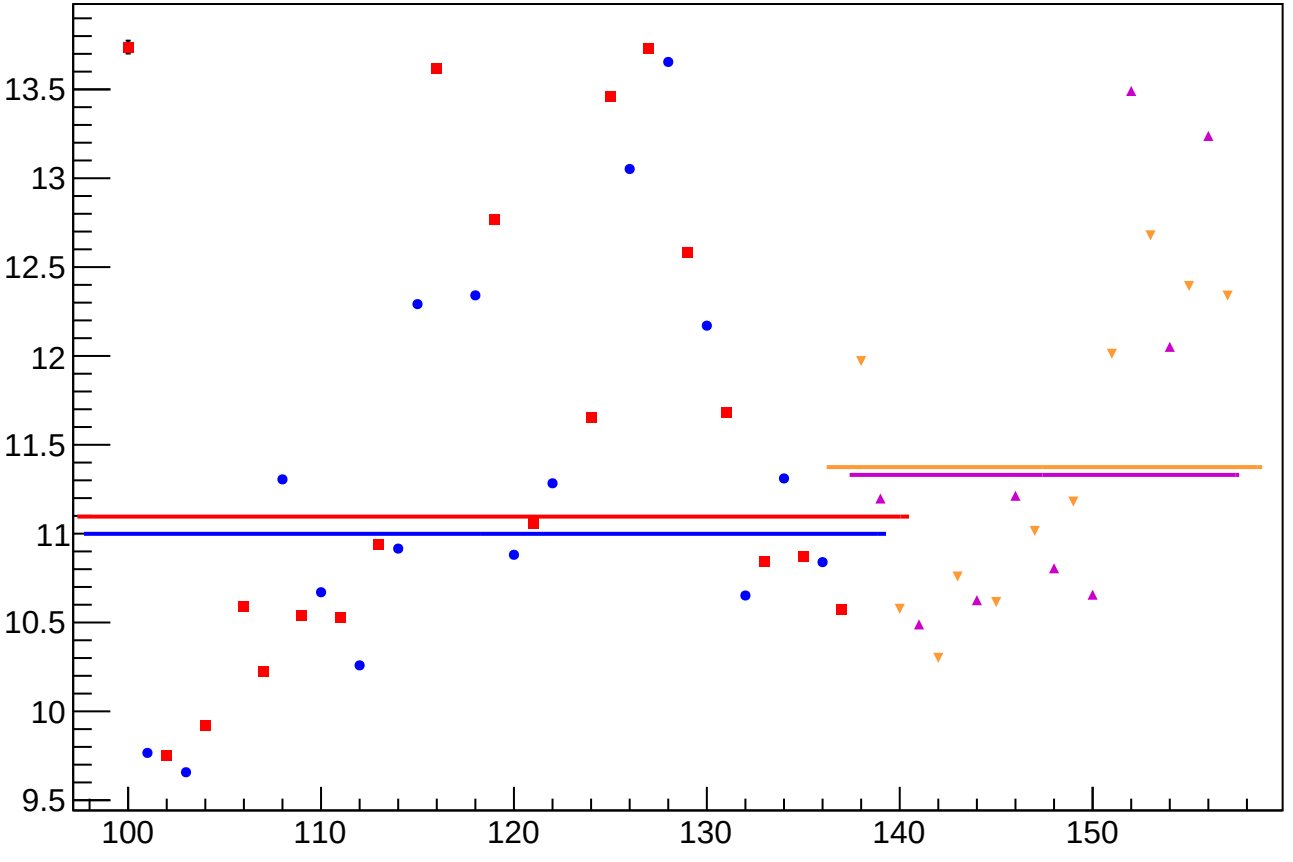
Left In: 7.475+/-4.095 χ^2/NDF:10.0/8

\+ sign -1.095+/-2.837 χ^2/NDF: 22.7/26

All: -1.616+/-2.027 χ^2/NDF: 65.5/54

\- sign -2.159+/-2.896 χ^2/NDF: 42.8/27

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.375+/-0.003 χ^2/NDF:81186.0/10

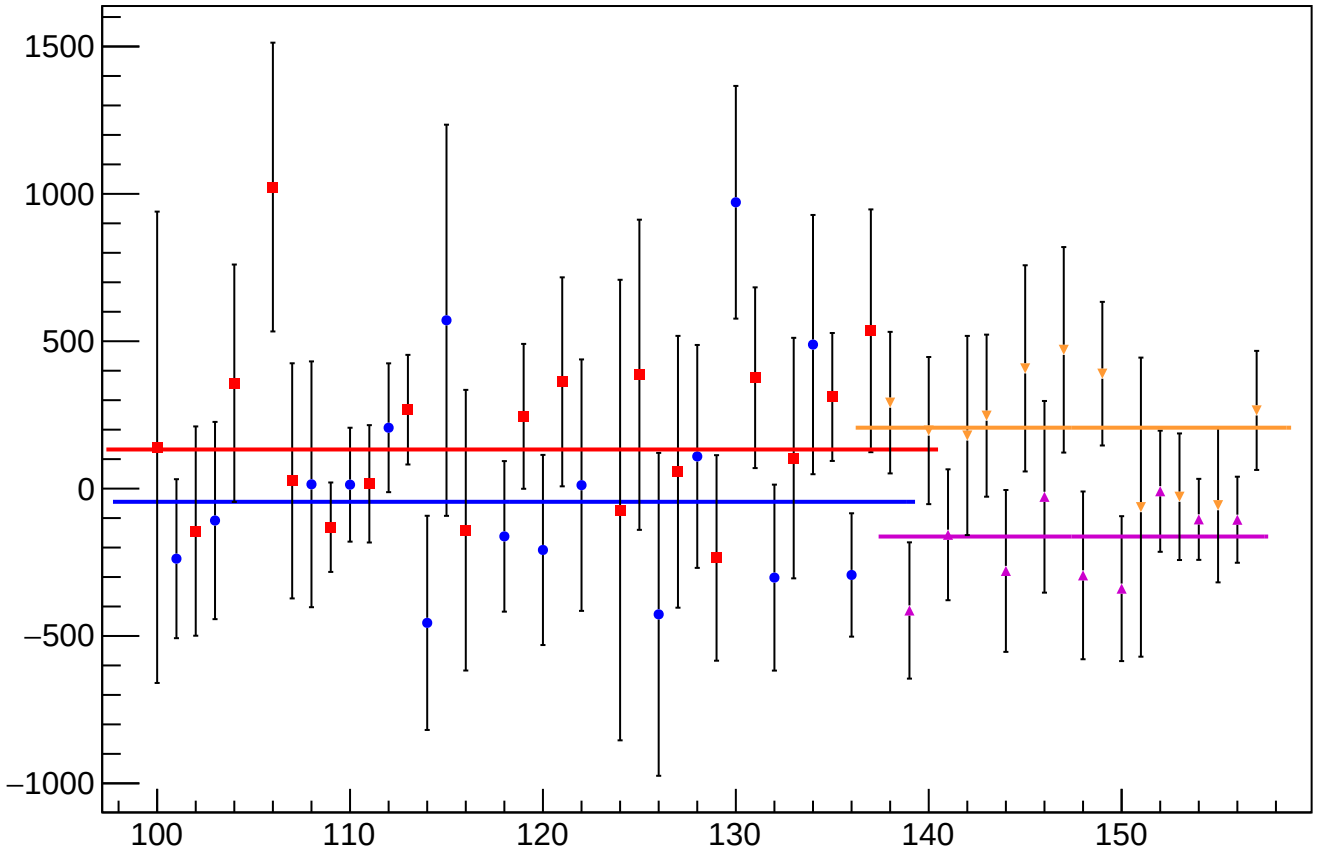
Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.331+/-0.003 χ^2/NDF:113500.1/8

+ sign 11.197+/-0.002 χ^2/NDF: 226077.2/26

All: 11.205+/-0.001 χ^2/NDF: 505797.1/54

- sign 11.213+/-0.002 χ^2/NDF: 279689.2/27



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

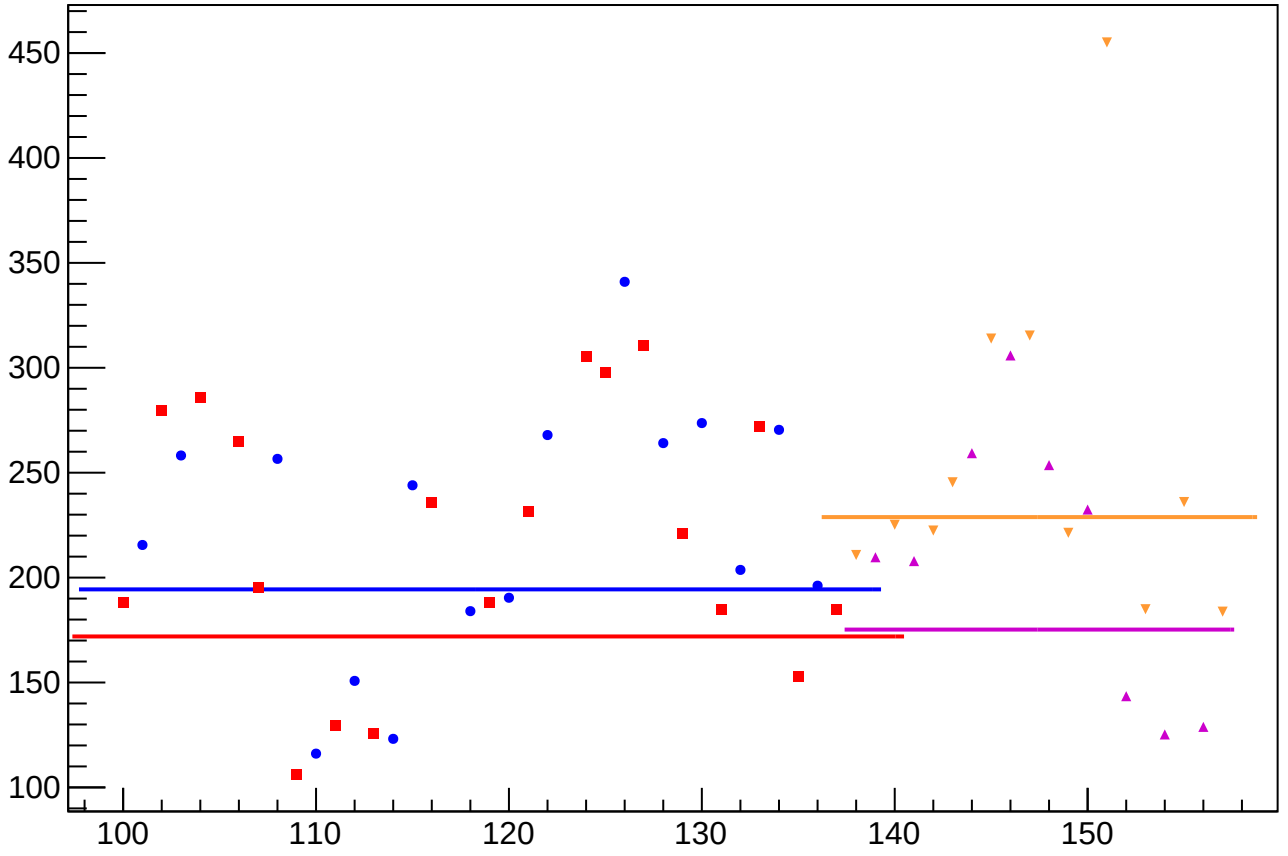
Left In: -162.618+/-68.338 χ^2/NDF:3.2/8

+ sign 74.007+/-55.512 χ^2/NDF: 24.7/26

All: 23.464+/-36.437 χ^2/NDF: 51.5/54

- sign -14.796+/-48.298 χ^2/NDF: 25.4/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 228.835+/-0.057 χ^2/NDF:845553.4/10

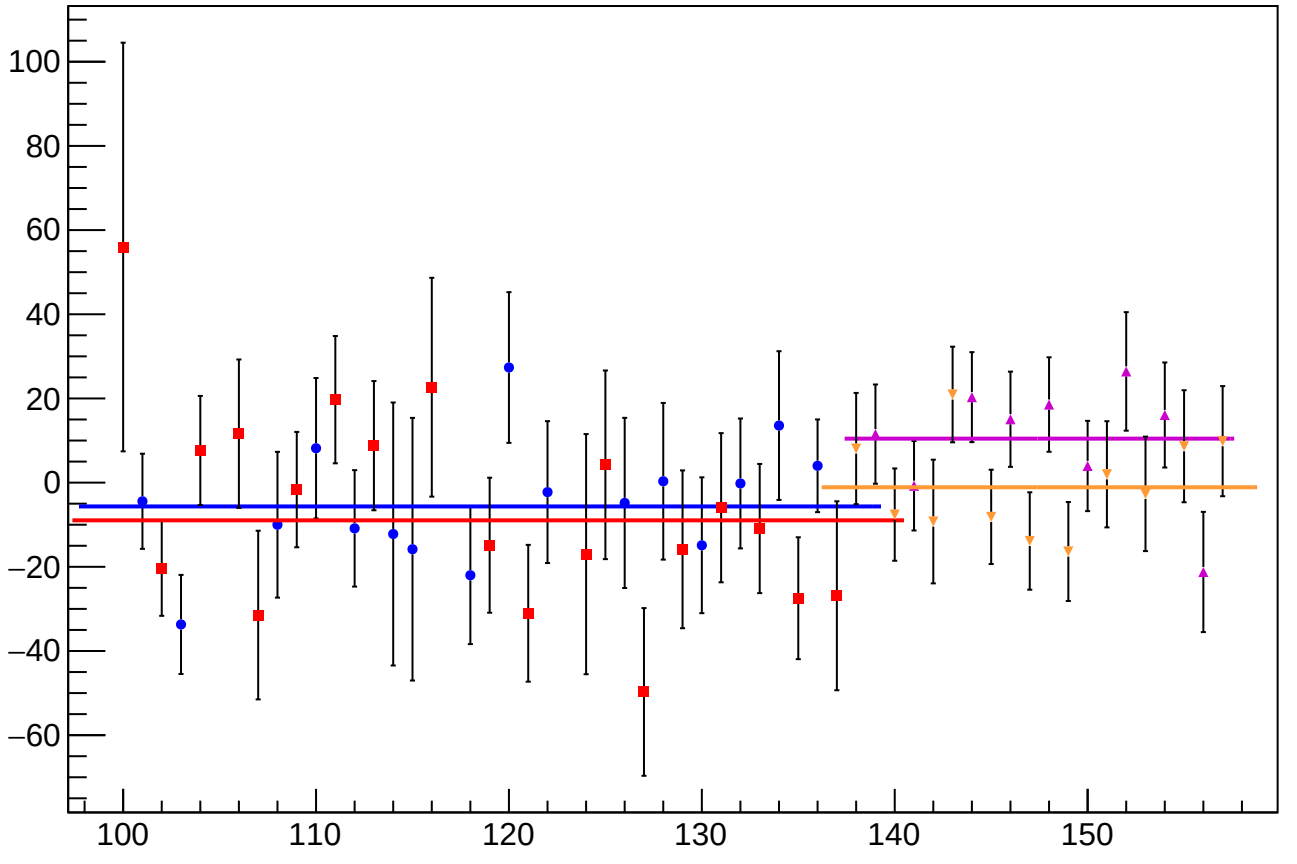
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.224+/-0.048 χ^2/NDF:1371974.0/8

+ sign 210.659+/-0.039 χ^2/NDF: 2079553.5/26

All: 189.558+/-0.026 χ^2/NDF: 5612894.7/54

- sign 173.585+/-0.034 χ^2/NDF: 3025617.2/27



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.103+/-3.720 χ^2/NDF:9.5/10

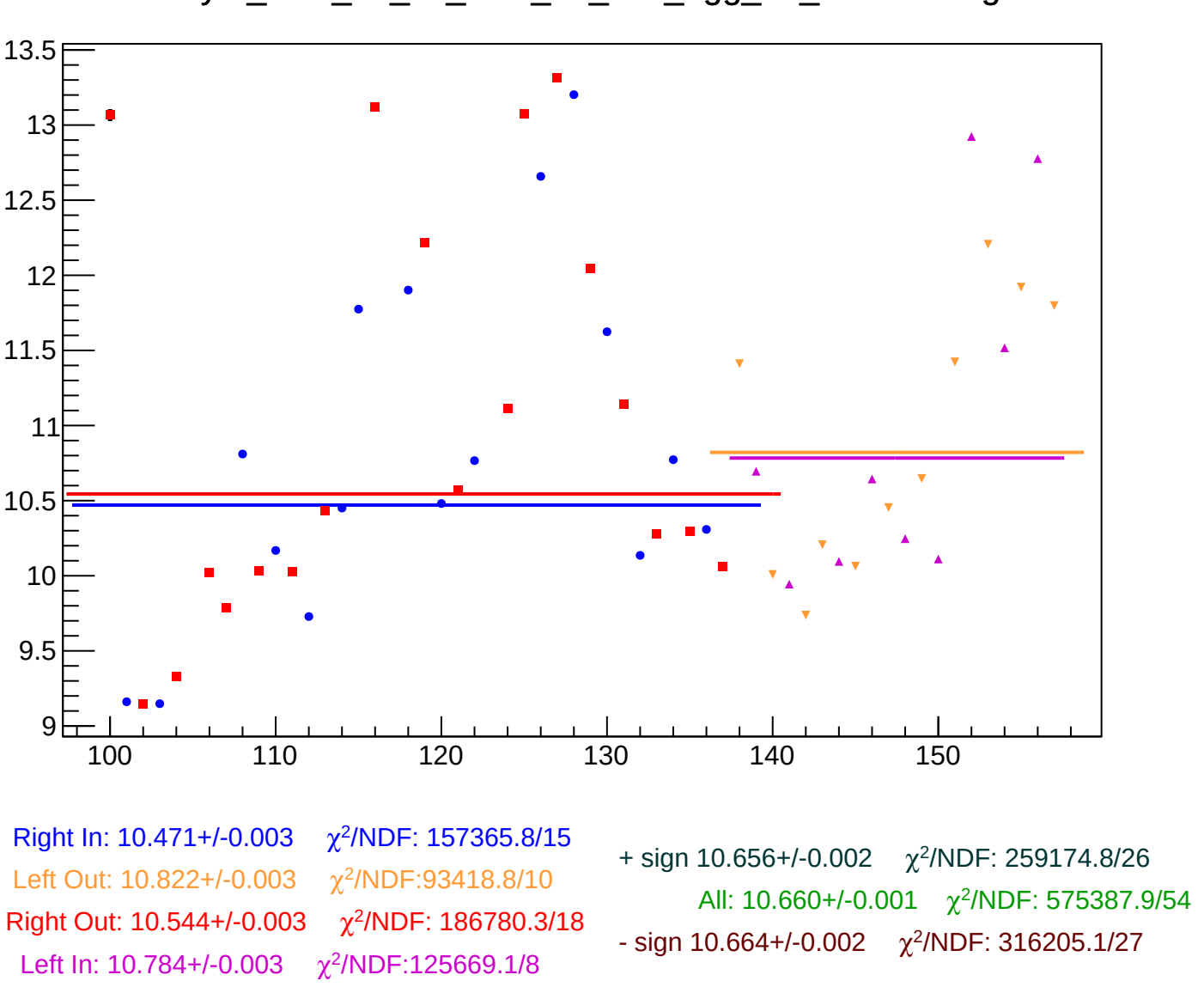
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

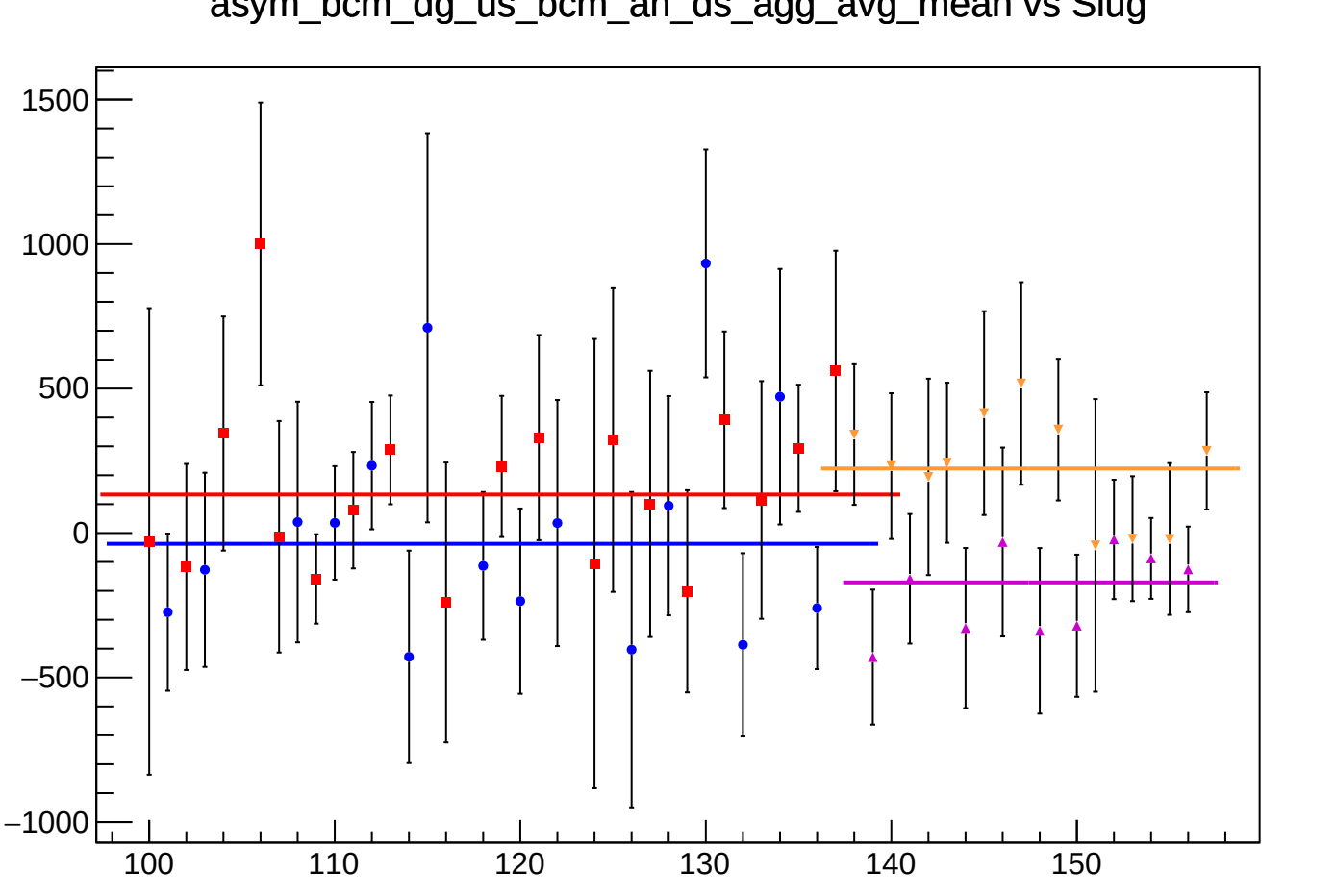
Left In: 10.452+/-3.904 χ^2/NDF:9.4/8

+ sign -3.250+/-2.705 χ^2/NDF: 23.9/26

All: -1.296+/-1.931 χ^2/NDF: 69.6/54

- sign 0.739+/-2.759 χ^2/NDF: 44.6/27


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.822+/-0.003 χ²/NDF:93418.8/10
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.784+/-0.003 χ²/NDF:125669.1/8
+ sign 10.656+/-0.002 χ²/NDF: 259174.8/26
All: 10.660+/-0.001 χ²/NDF: 575387.9/54
- sign 10.664+/-0.002 χ²/NDF: 316205.1/27



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 223.387+/-81.312 χ^2/NDF:4.0/10

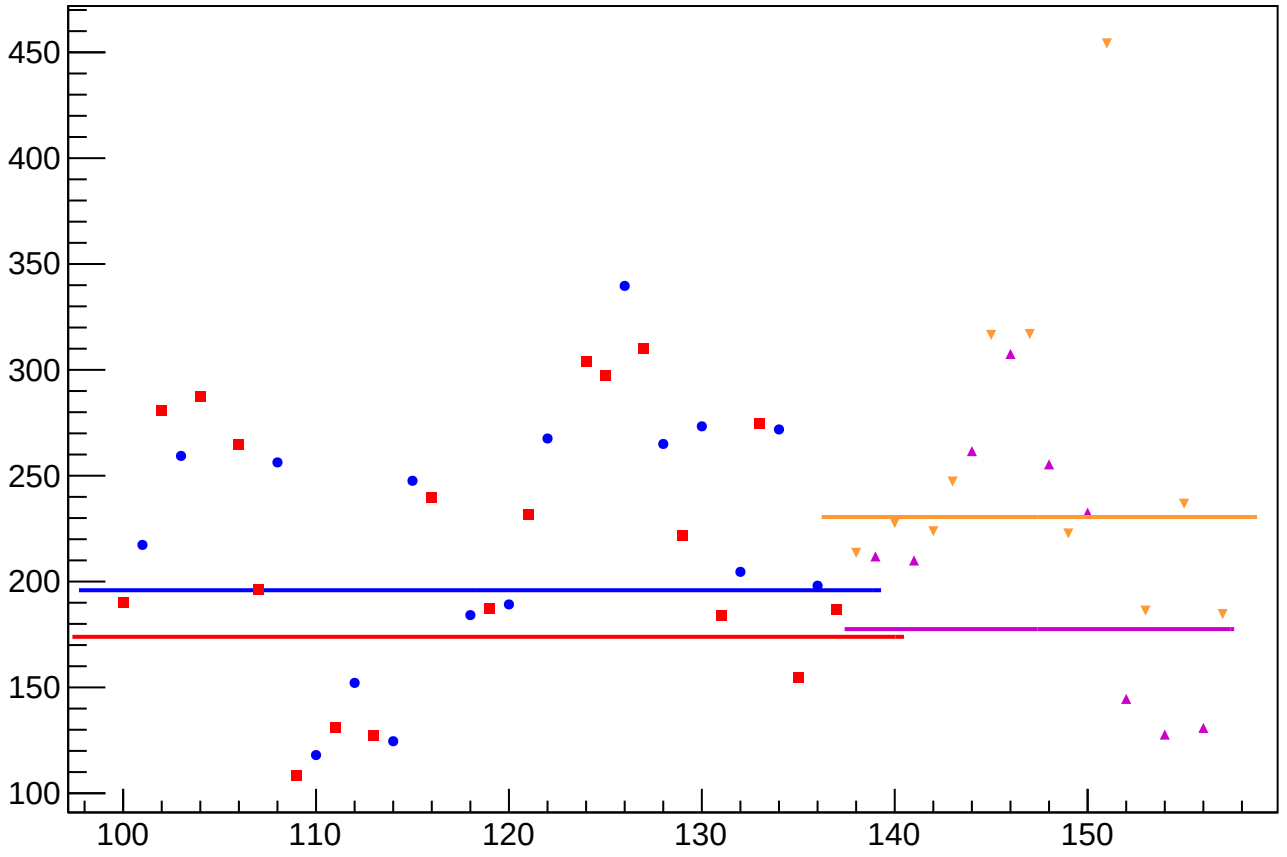
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -170.776+/-69.106 χ^2/NDF:3.4/8

+ sign 85.836+/-55.877 χ^2/NDF: 25.1/26

All: 26.798+/-36.750 χ^2/NDF: 53.1/54

- sign -18.208+/-48.787 χ^2/NDF: 26.0/27



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 230.478+/-0.057 χ^2/NDF:838468.4/10

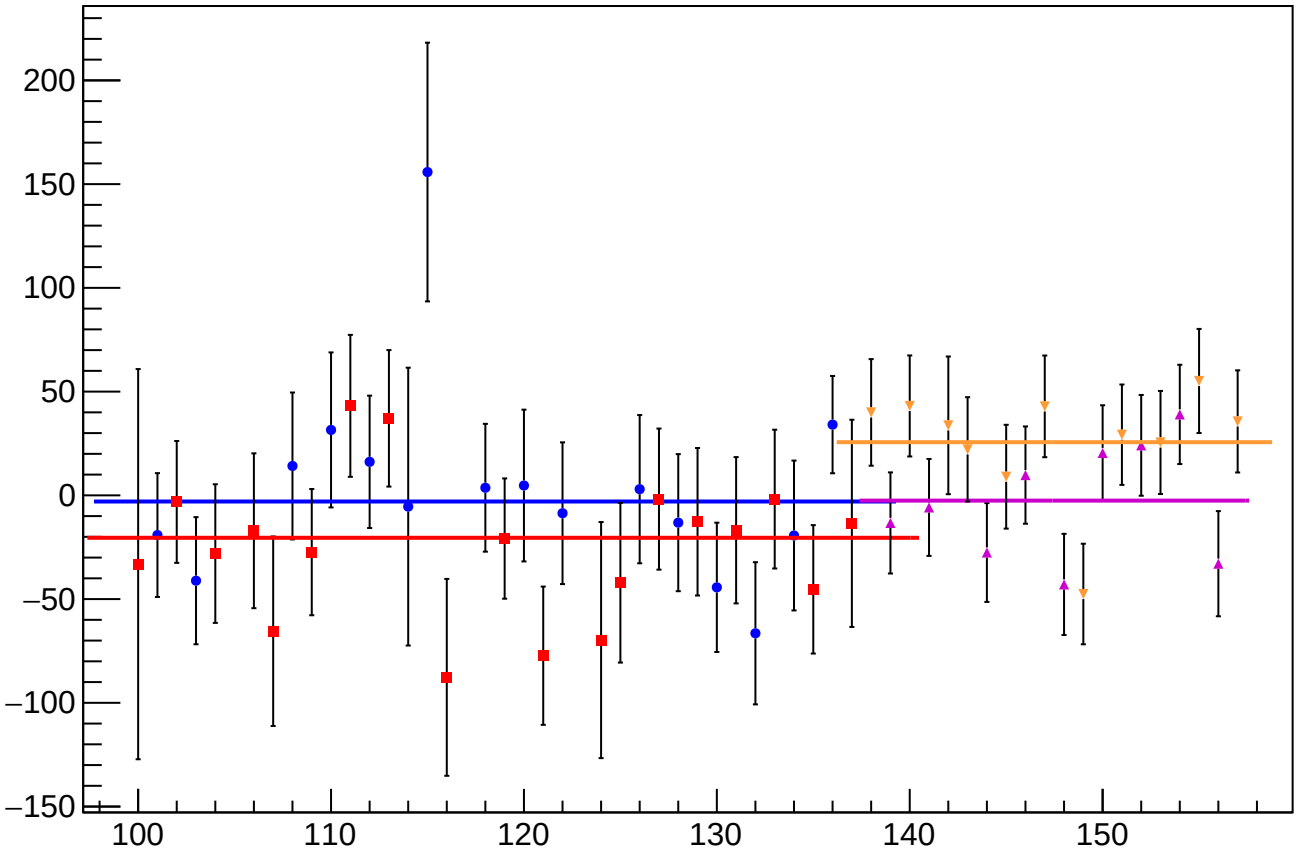
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 177.543+/-0.049 χ^2/NDF:1336299.0/8

+ sign 212.229+/-0.040 χ^2/NDF: 2040367.3/26

All: 191.511+/-0.026 χ^2/NDF: 5463625.8/54

- sign 175.716+/-0.034 χ^2/NDF: 2938692.9/27



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.623+/-7.619 χ^2/NDF:12.5/10

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

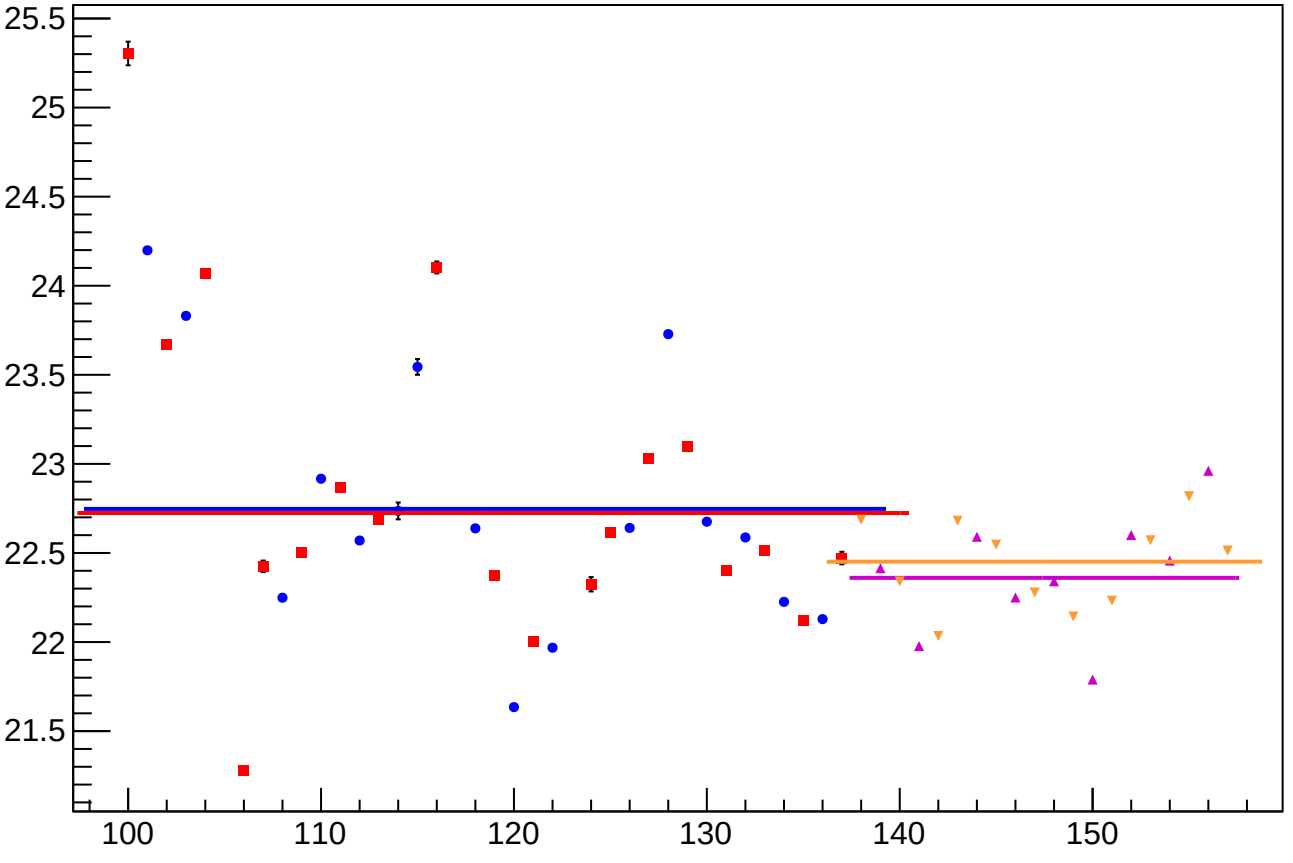
Left In: -2.539+/-7.988 χ^2/NDF:11.0/8

+ sign 12.809+/-5.660 χ^2/NDF: 36.8/26

All: 1.019+/-4.035 χ^2/NDF: 74.3/54

- sign -11.164+/-5.753 χ^2/NDF: 28.7/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.451+/-0.005 χ^2/NDF:1795.2/10

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

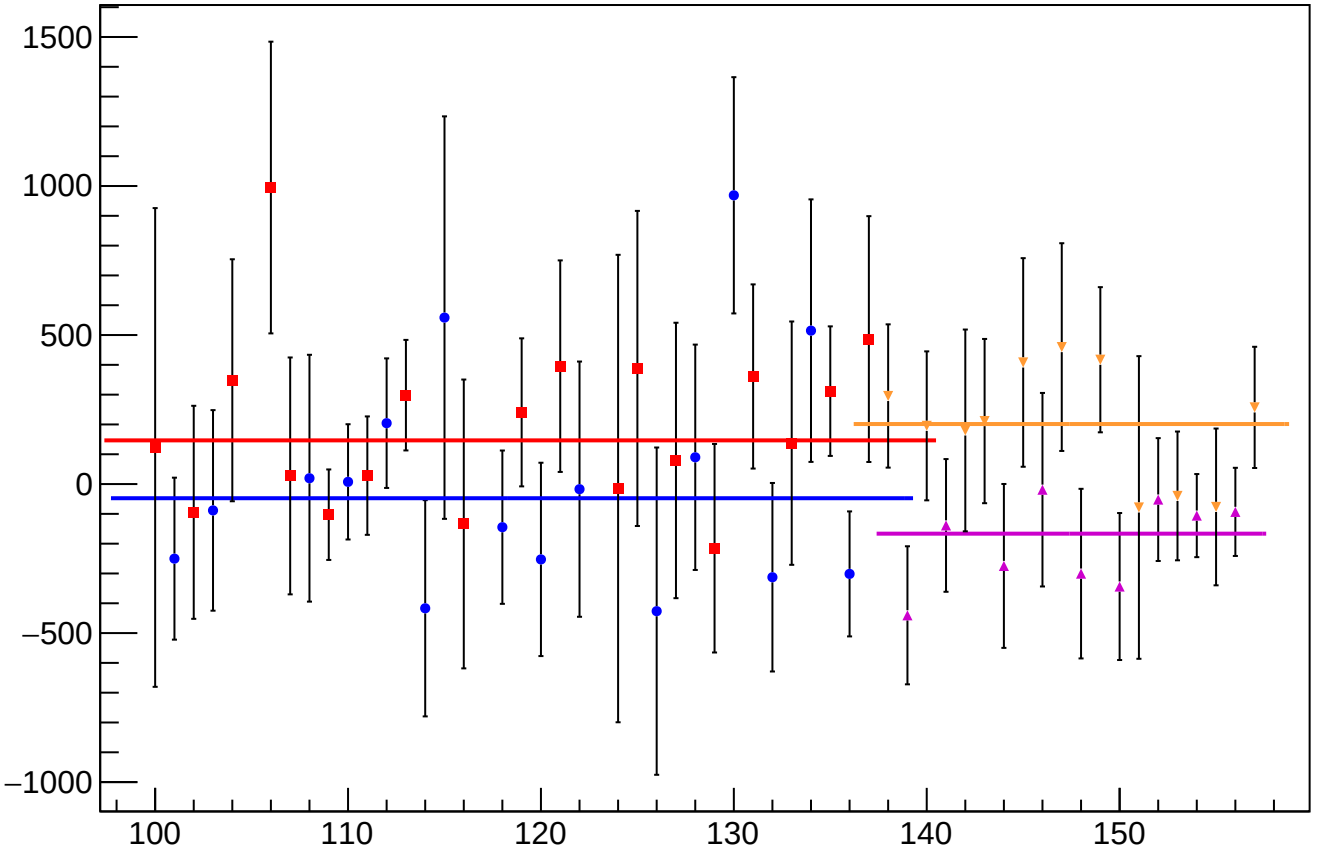
Left In: 22.360+/-0.006 χ^2/NDF:3365.1/8

+ sign 22.584+/-0.004 χ^2/NDF: 17774.2/26

All: 22.560+/-0.003 χ^2/NDF: 37699.8/54

- sign 22.536+/-0.004 χ^2/NDF: 19853.6/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 201.412+/-80.999 χ^2/NDF:4.6/10

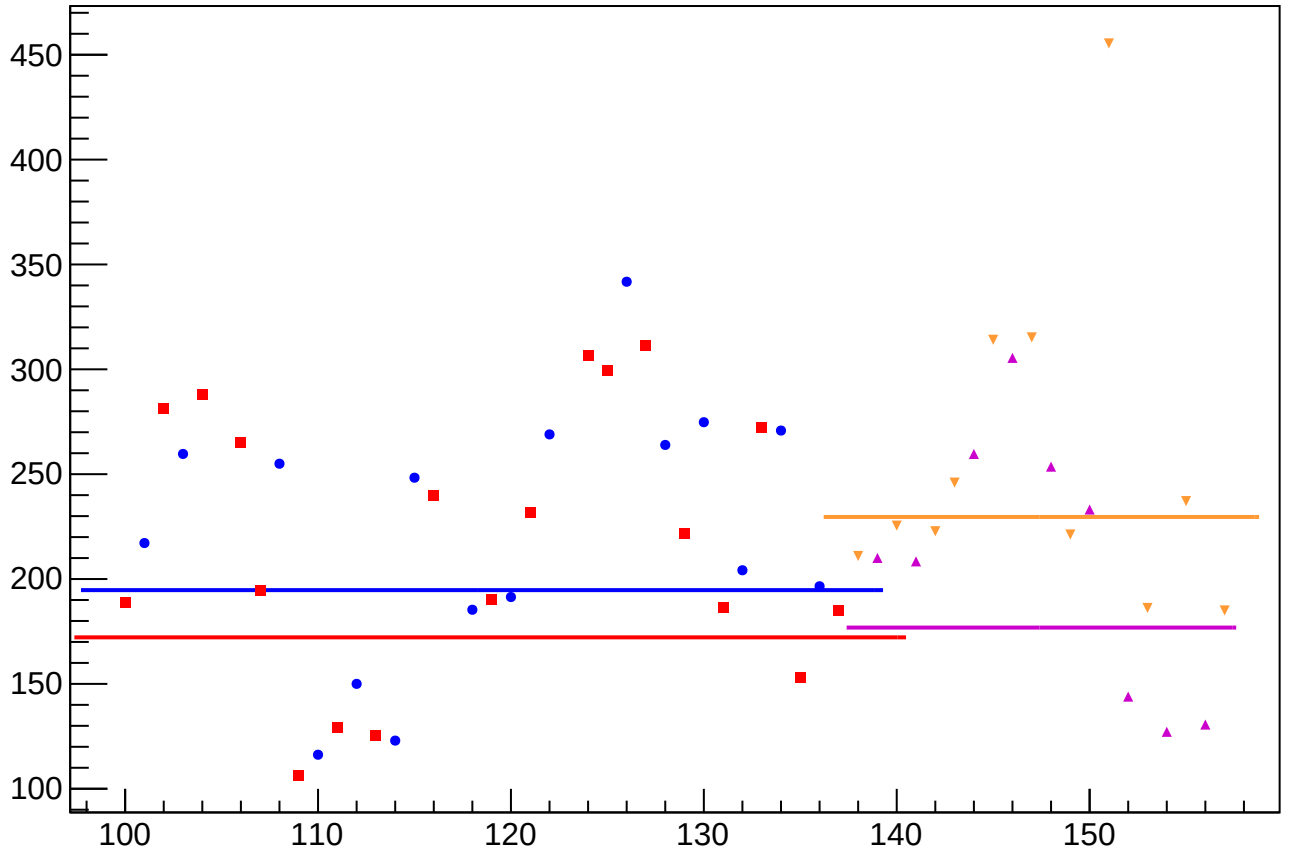
Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: -166.442+/-68.838 χ^2/NDF:3.3/8

+ sign 69.955+/-55.643 χ^2/NDF: 25.0/26

All: 25.142+/-36.569 χ^2/NDF: 51.3/54

- sign -8.931+/-48.519 χ^2/NDF: 25.2/27



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 229.598+/-0.057 χ^2/NDF:834077.5/10

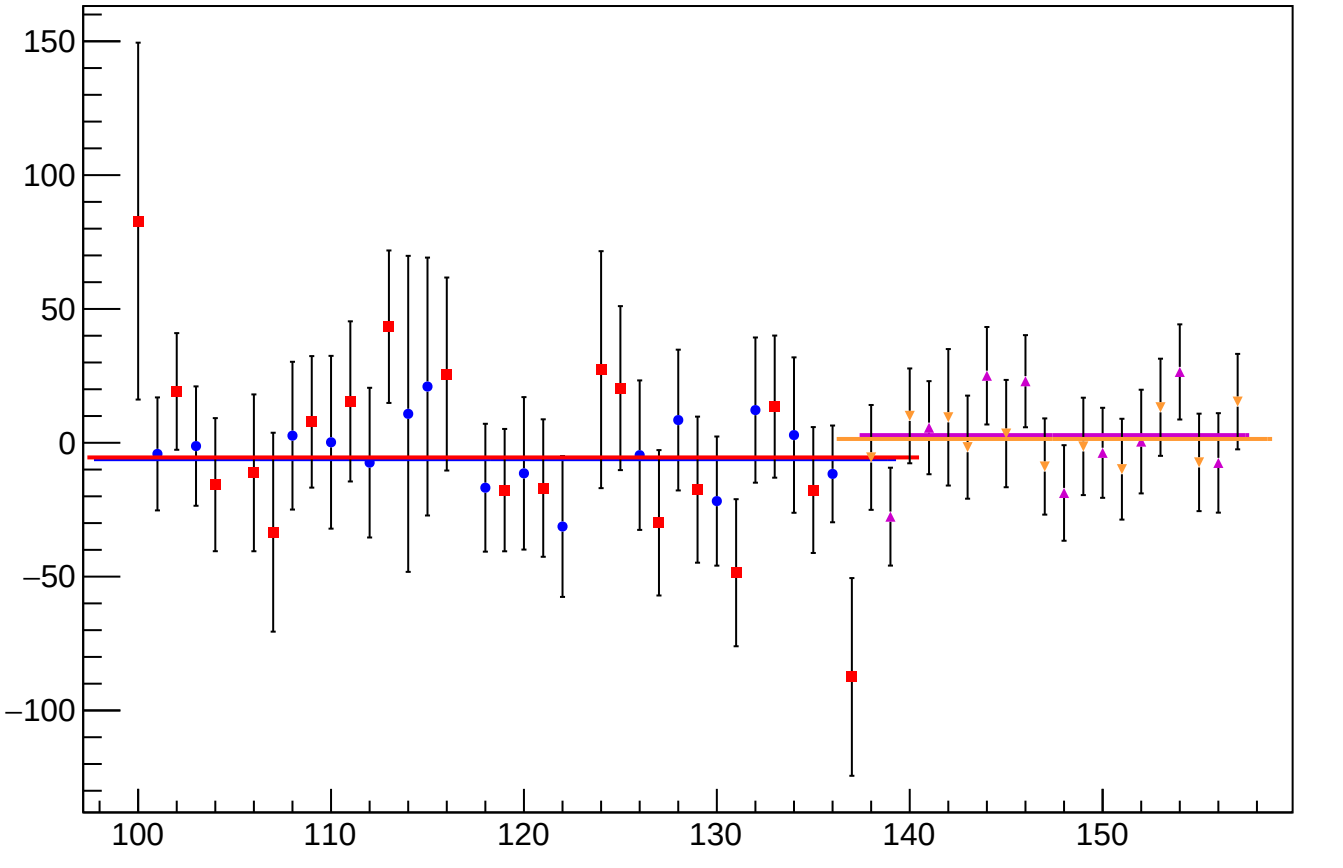
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.850+/-0.049 χ^2/NDF:1326701.6/8

+ sign 211.173+/-0.039 χ^2/NDF: 2082330.9/26

All: 190.342+/-0.026 χ^2/NDF: 5578167.3/54

- sign 174.503+/-0.034 χ^2/NDF: 3002389.2/27



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.431+/-5.712 χ^2/NDF:2.5/10

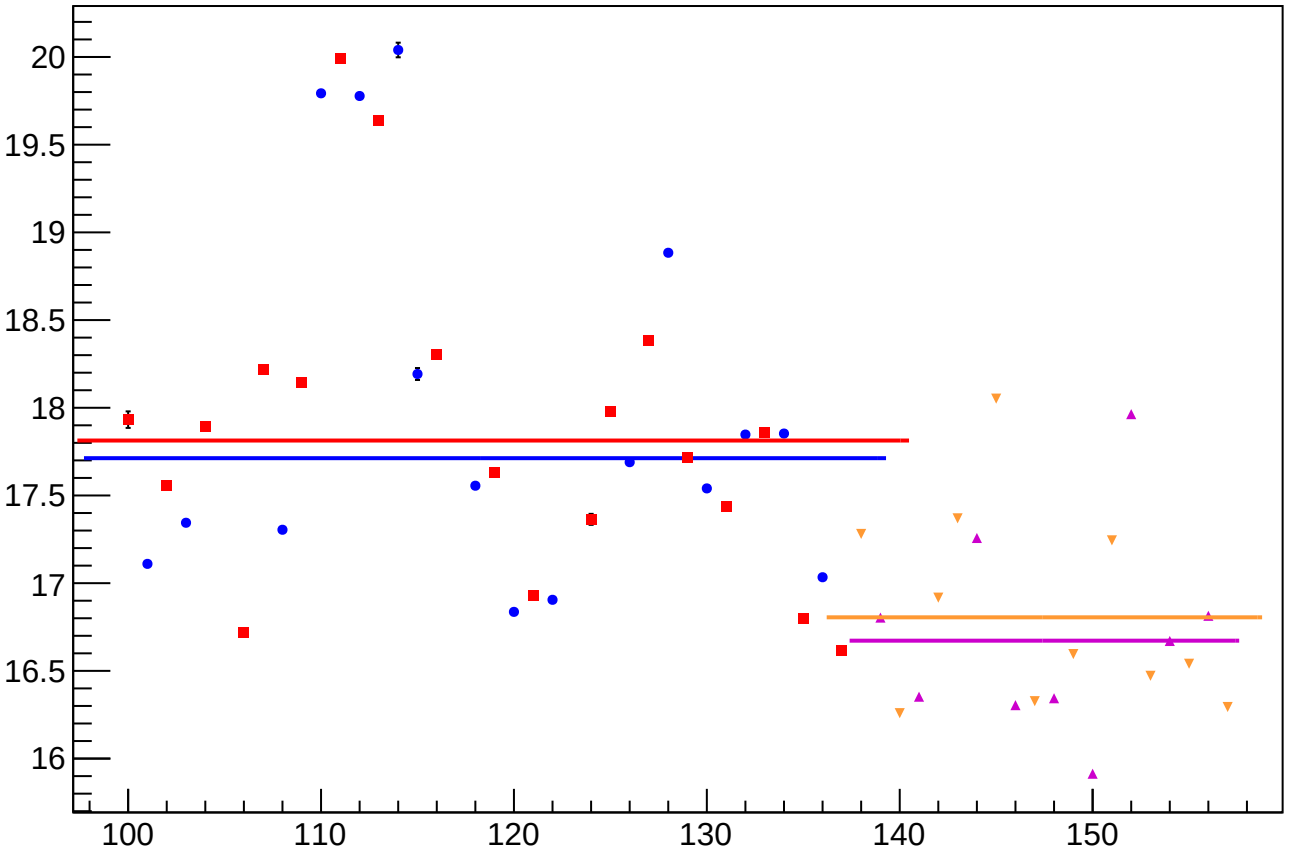
Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 2.865+/-5.967 χ^2/NDF:9.4/8

+ sign -1.807+/-4.317 χ^2/NDF: 6.4/26

All: -1.382+/-3.081 χ^2/NDF: 35.8/54

- sign -0.941+/-4.398 χ^2/NDF: 29.4/27



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.805+/-0.004 χ^2/NDF:18080.5/10

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

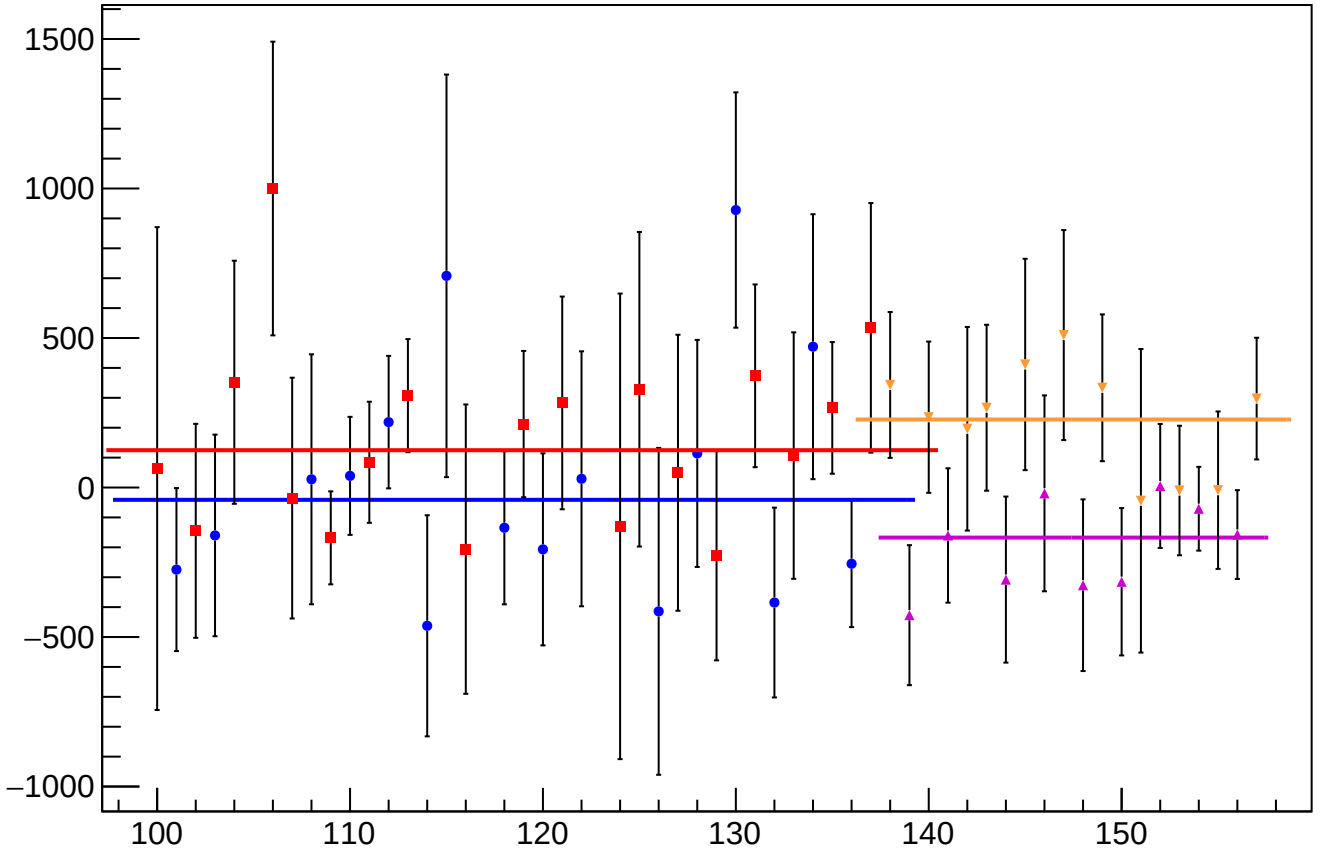
Left In: 16.672+/-0.004 χ^2/NDF:17513.5/8

\+ sign 17.194+/-0.003 χ^2/NDF: 75705.3/26

All: 17.194+/-0.002 χ^2/NDF: 159332.8/54

\- sign 17.193+/-0.003 χ^2/NDF: 83627.5/27

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 227.441+/-81.500 χ^2/NDF:3.8/10

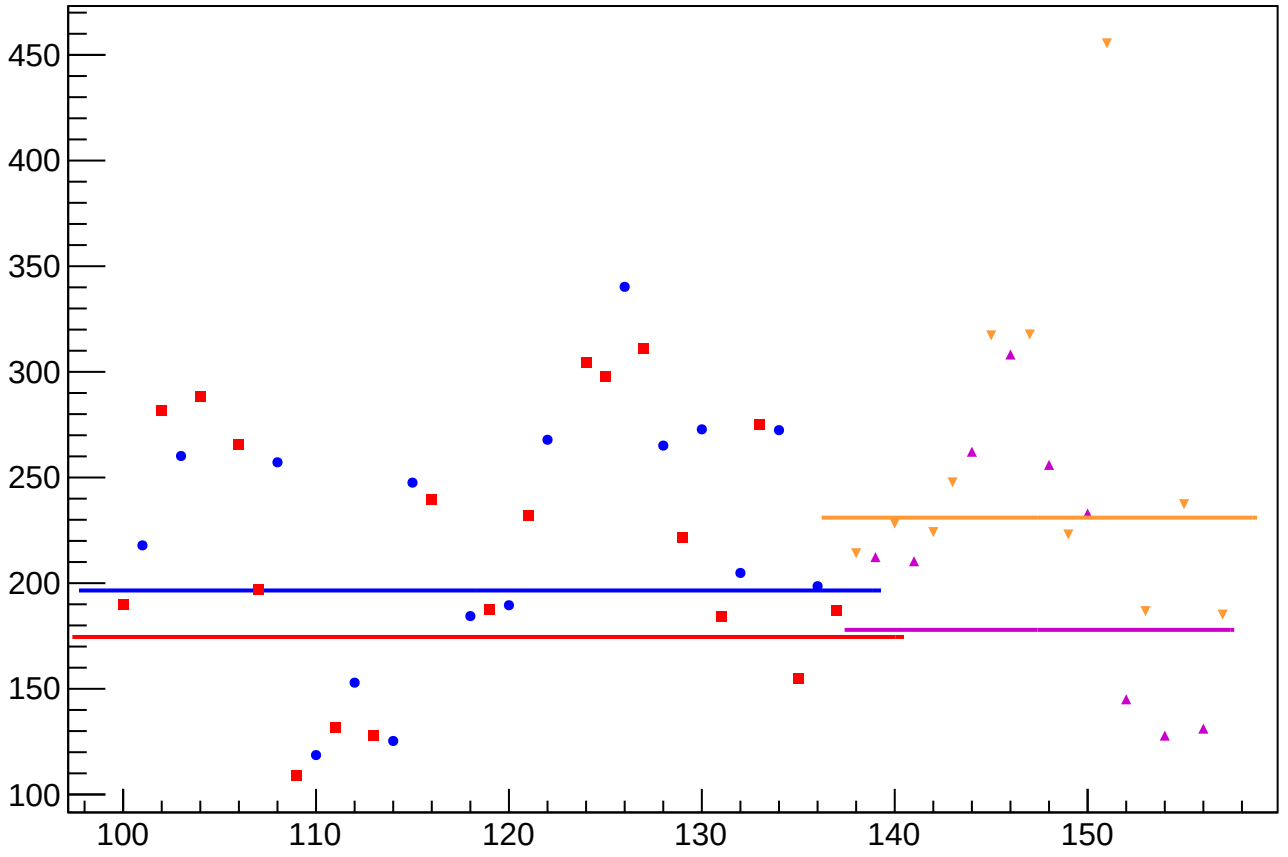
Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: -167.454+/-69.250 χ^2/NDF:3.5/8

+ sign 85.786+/-56.024 χ^2/NDF: 25.1/26

All: 25.199+/-36.848 χ^2/NDF: 52.5/54

- sign -20.992+/-48.917 χ^2/NDF: 25.3/27



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 231.013+/-0.058 χ^2/NDF:838281.2/10

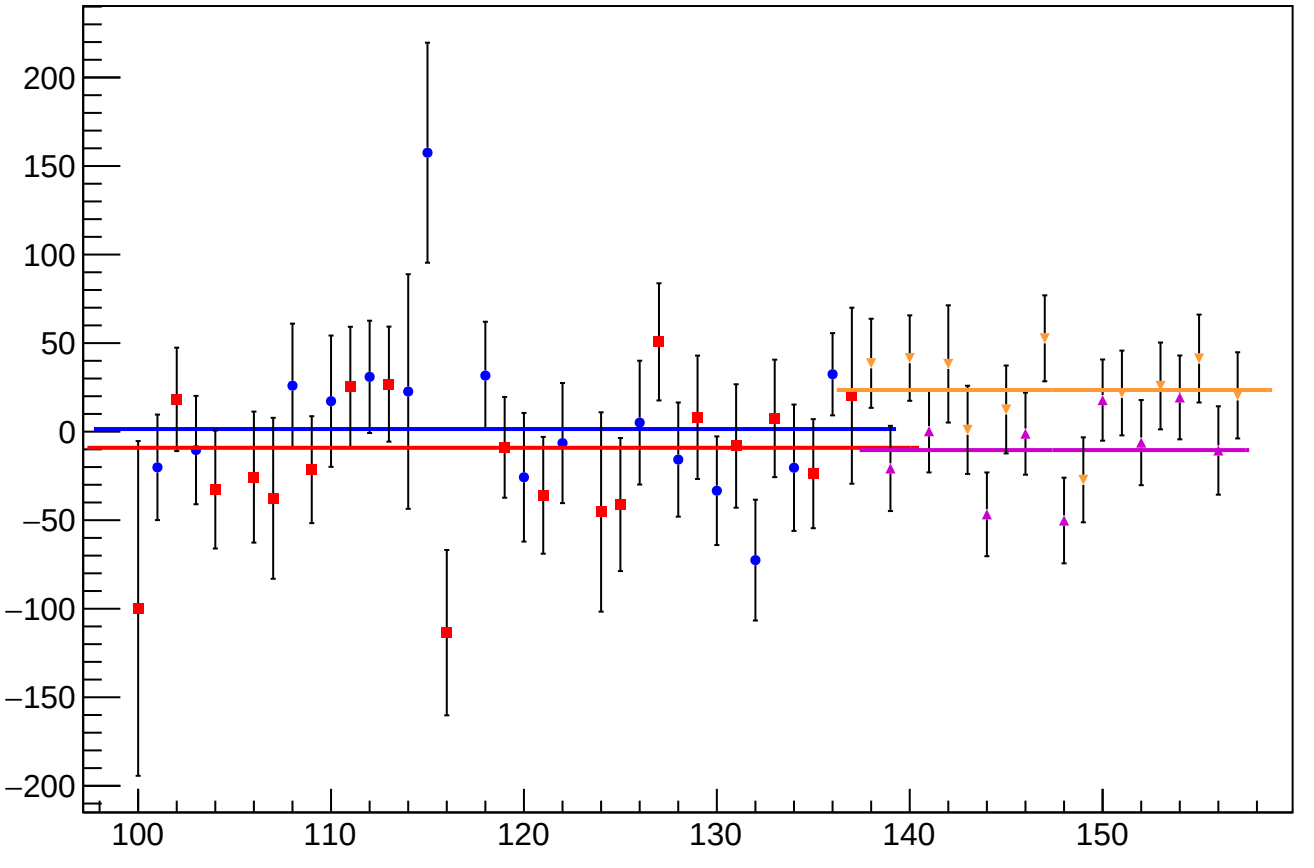
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.904+/-0.049 χ^2/NDF:1337306.1/8

+ sign 212.831+/-0.040 χ^2/NDF: 2027769.2/26

All: 192.056+/-0.026 χ^2/NDF: 5440826.3/54

- sign 176.218+/-0.035 χ^2/NDF: 2928395.3/27



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 23.528+/-7.537 χ^2/NDF:8.6/10

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

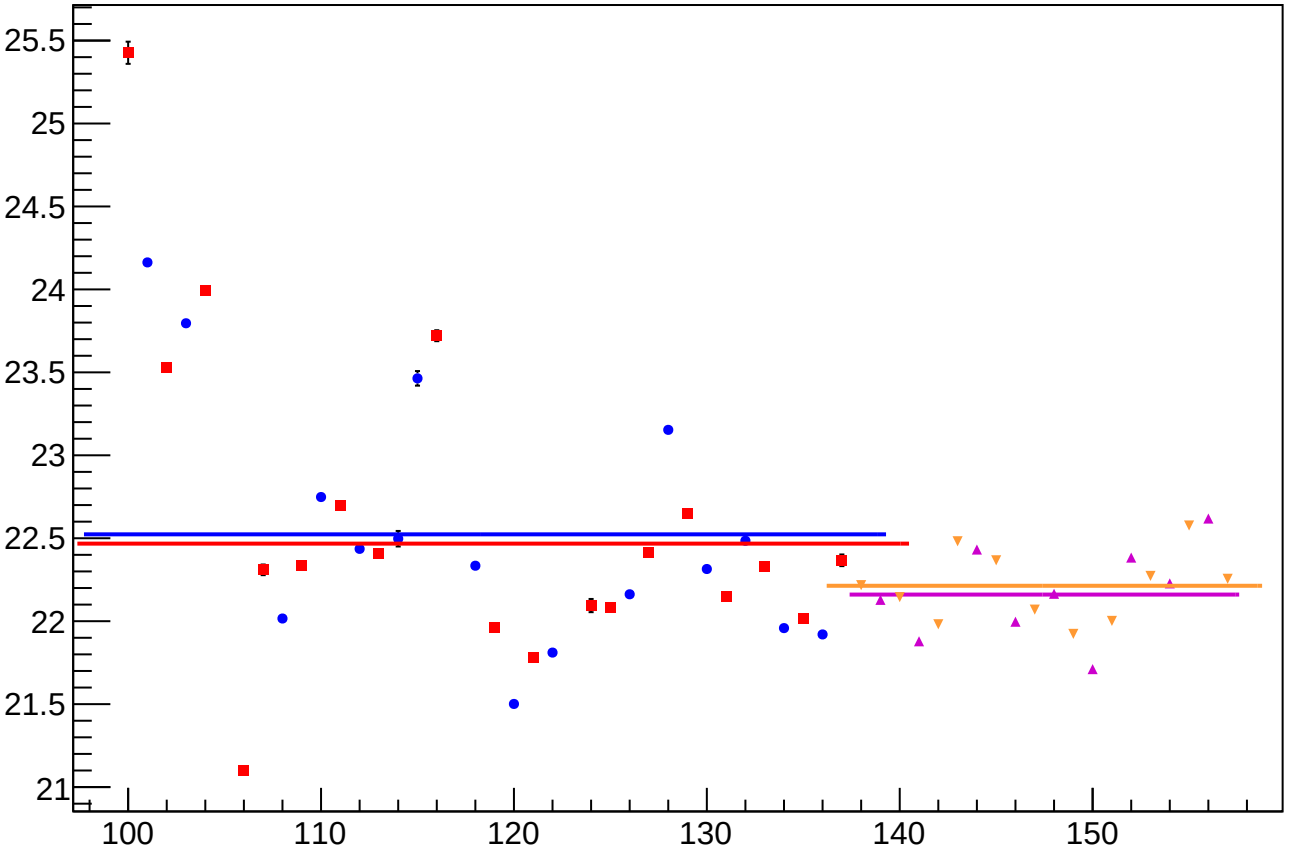
Left In: -10.413+/-7.916 χ^2/NDF:8.7/8

+ sign 13.654+/-5.601 χ^2/NDF: 31.1/26

All: 2.127+/-3.993 χ^2/NDF: 64.9/54

- sign -9.786+/-5.694 χ^2/NDF: 25.2/27

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.214+/-0.005 χ^2/NDF:1388.4/10

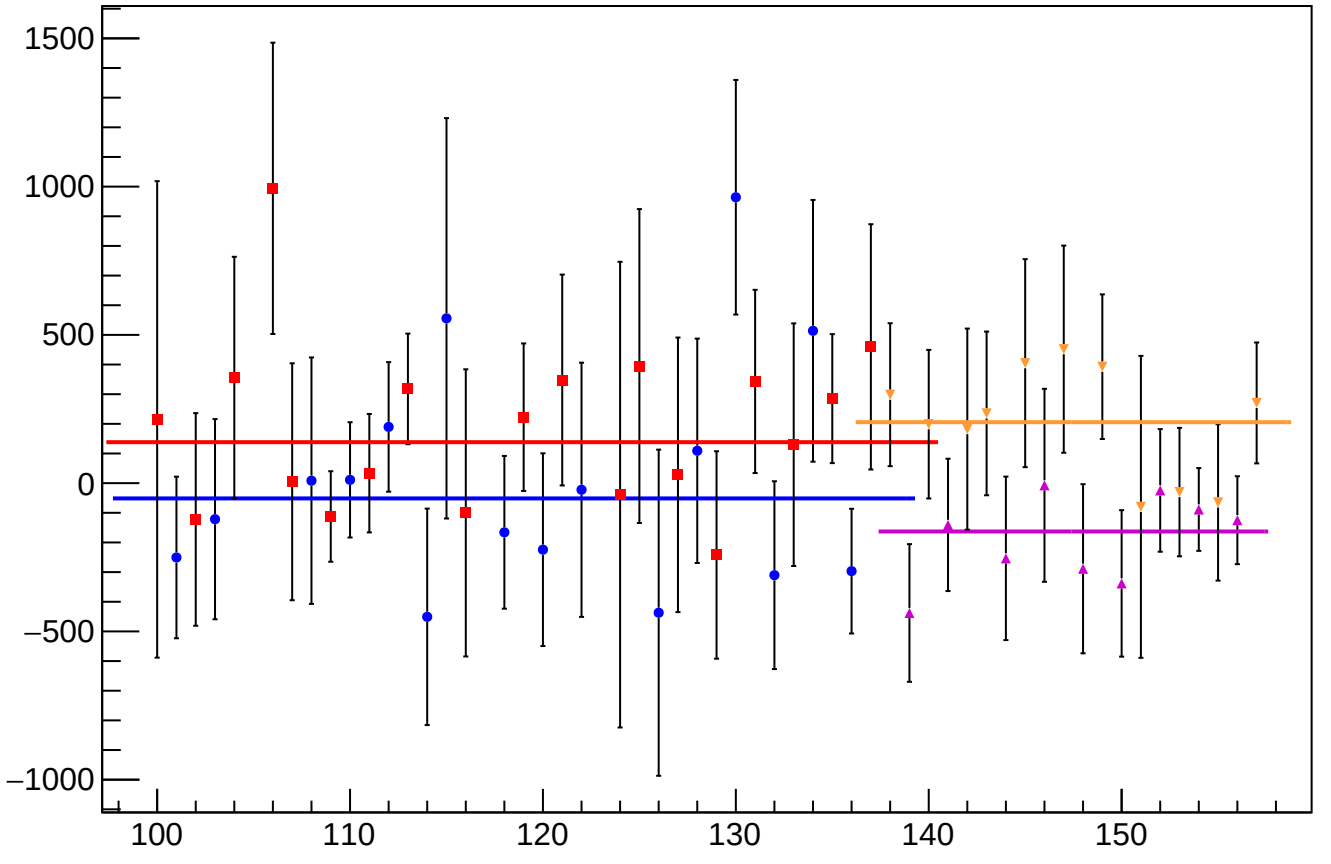
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.160+/-0.006 χ^2/NDF:2291.1/8

\+ sign 22.352+/-0.004 χ^2/NDF: 18851.6/26

All: 22.331+/-0.003 χ^2/NDF: 38281.9/54

\- sign 22.309+/-0.004 χ^2/NDF: 19370.4/27



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 205.600+/-81.186 χ^2/NDF:4.2/10

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

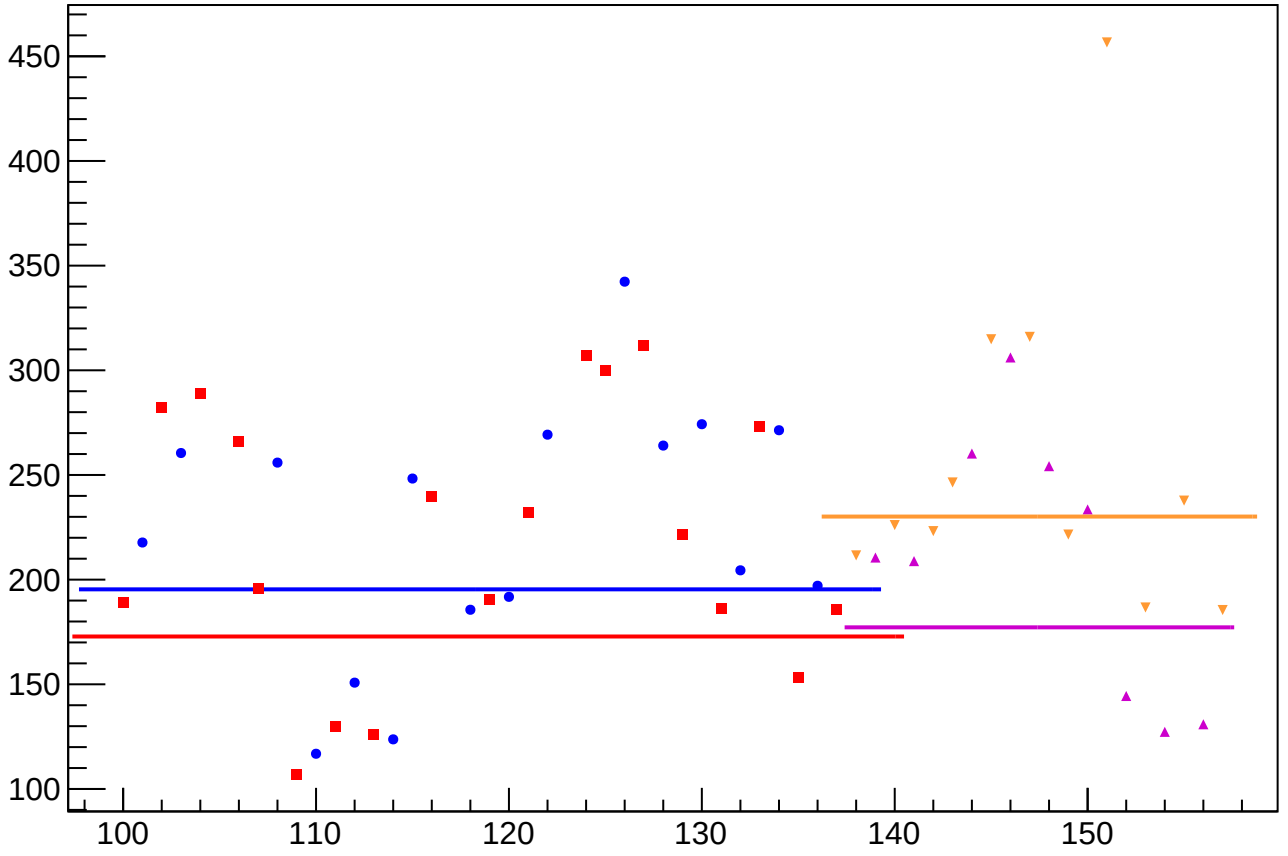
Left In: -163.033+/-68.982 χ^2/NDF:3.2/8

+ sign 69.918+/-55.791 χ^2/NDF: 24.9/26

All: 23.588+/-36.668 χ^2/NDF: 50.5/54

- sign -11.643+/-48.651 χ^2/NDF: 24.4/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 230.131+/-0.057 χ^2/NDF:833963.8/10

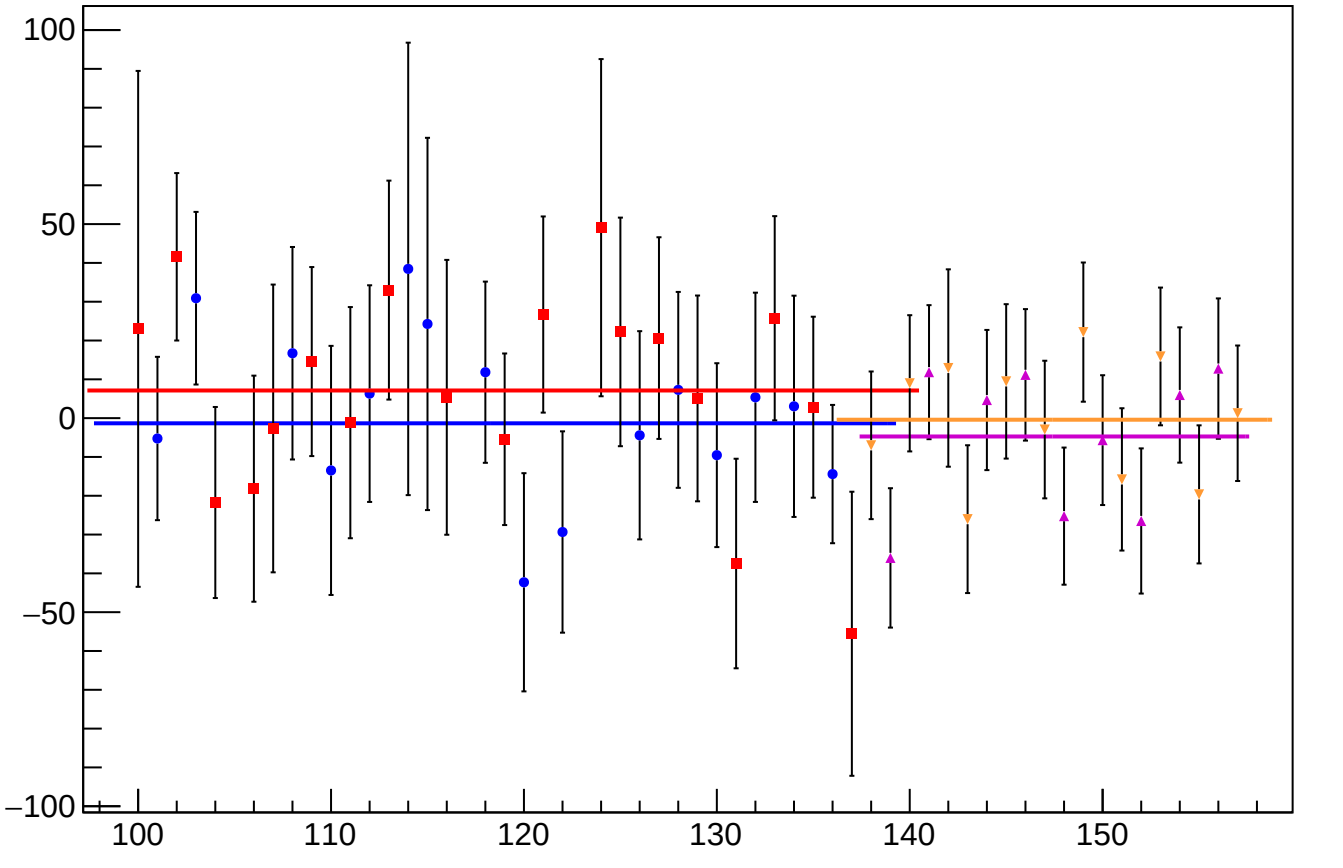
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.210+/-0.049 χ^2/NDF:1327813.9/8

+ sign 211.781+/-0.039 χ^2/NDF: 2068996.2/26

All: 190.894+/-0.026 χ^2/NDF: 5553731.0/54

- sign 175.012+/-0.034 χ^2/NDF: 2991283.6/27



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.408+/-5.615 χ^2/NDF:7.1/10

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

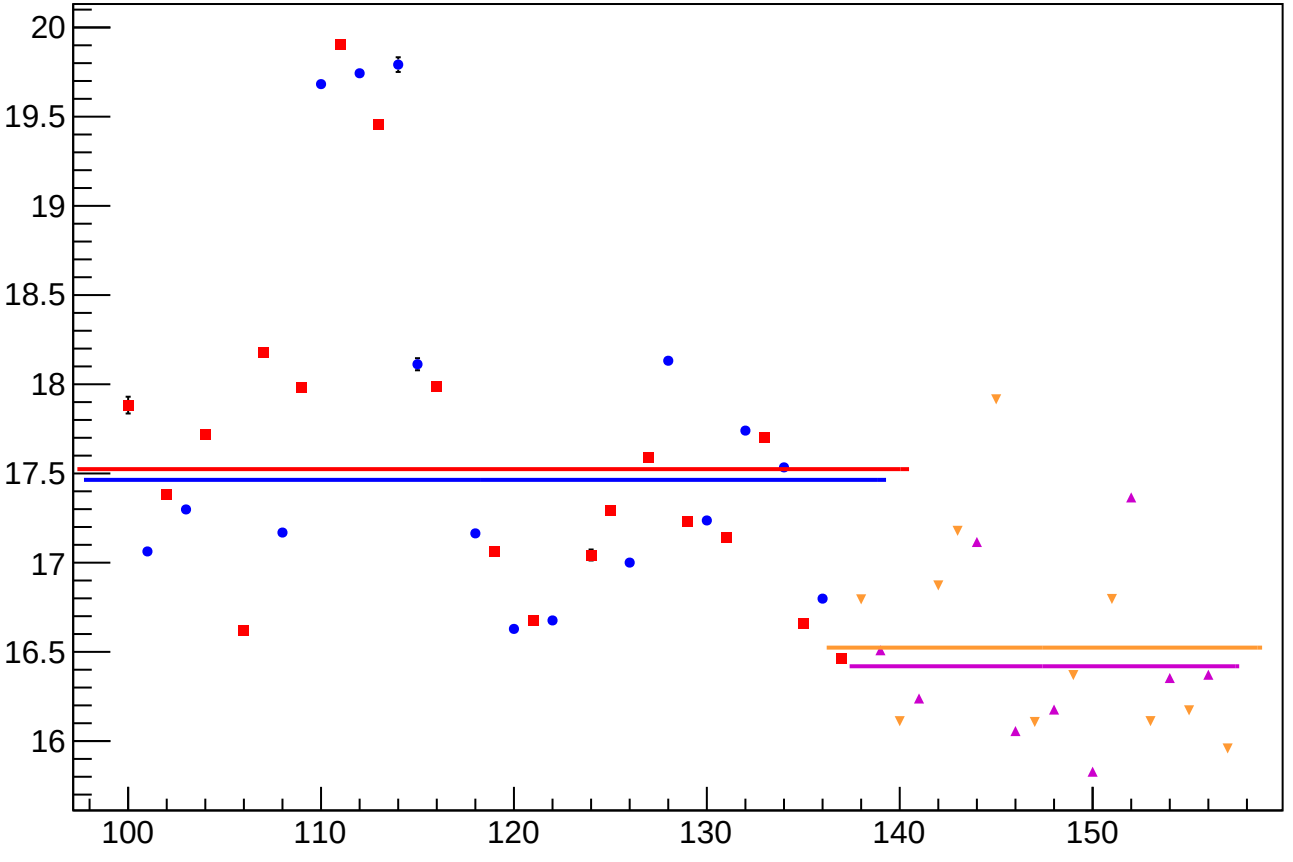
Left In: -4.726+/-5.873 χ^2/NDF:9.1/8

\+ sign -0.802+/-4.249 χ^2/NDF: 15.1/26

All: -0.070+/-3.032 χ^2/NDF: 40.6/54

\- sign 0.690+/-4.328 χ^2/NDF: 25.4/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.524+/-0.004 χ^2/NDF:19685.7/10

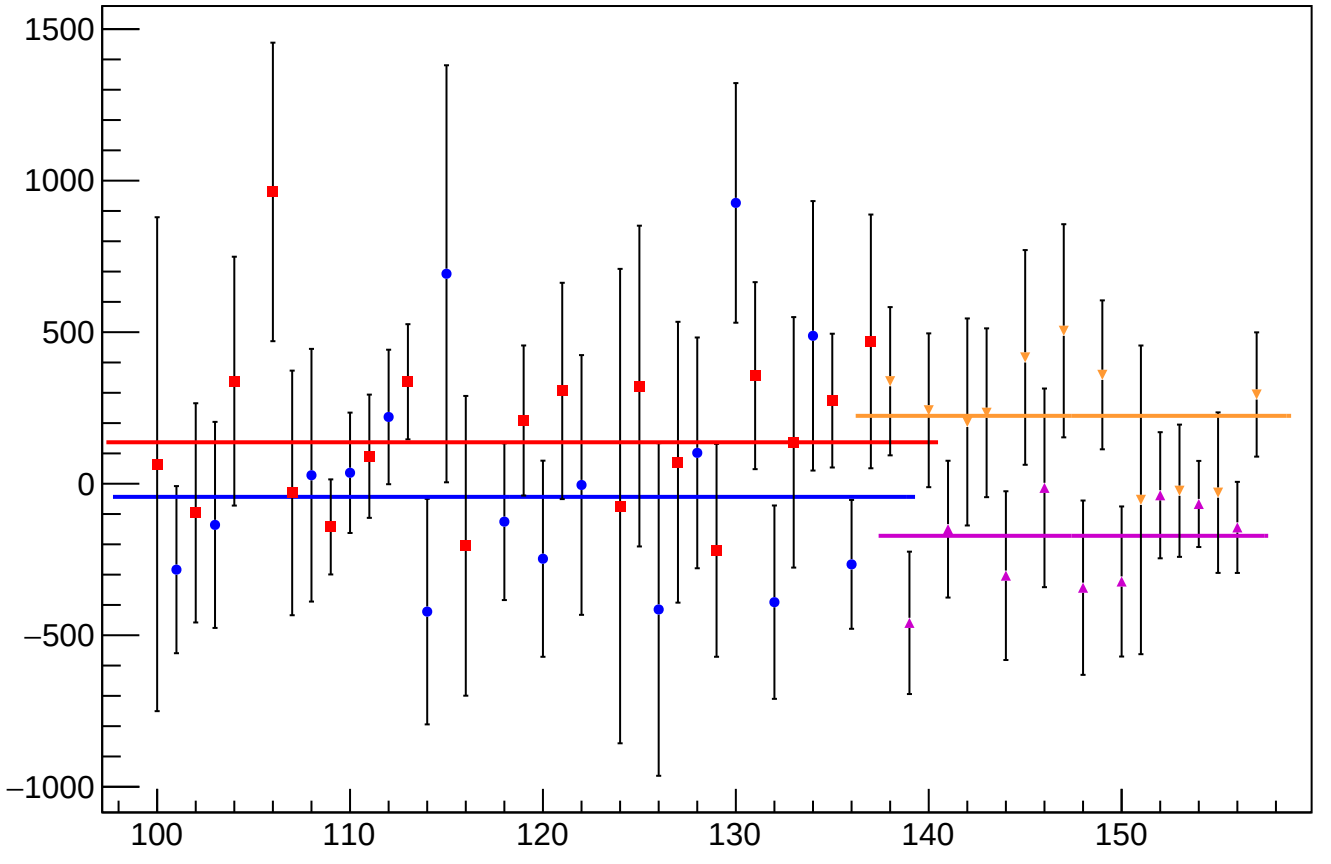
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.419+/-0.004 χ^2/NDF:12200.6/8

+ sign 16.926+/-0.003 χ^2/NDF: 80312.4/26

All: 16.925+/-0.002 χ^2/NDF: 159594.5/54

- sign 16.924+/-0.003 χ^2/NDF: 79282.0/27



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.976+/-81.858 χ^2/NDF:4.1/10

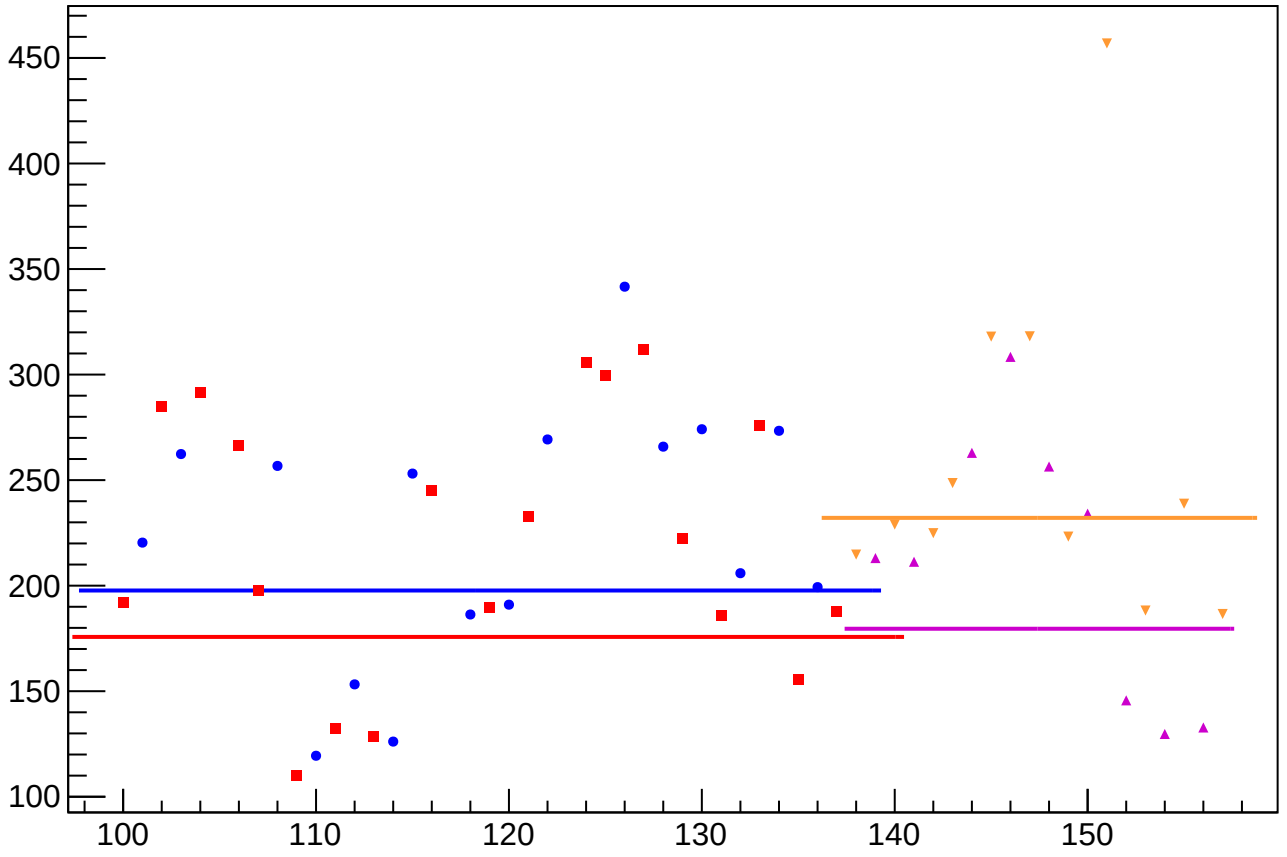
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -171.886+/-69.799 χ^2/NDF:3.7/8

+ sign 83.134+/-56.311 χ^2/NDF: 25.2/26

All: 26.409+/-37.080 χ^2/NDF: 52.0/54

- sign -17.017+/-49.270 χ^2/NDF: 25.0/27



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 232.118+/-0.058 χ^2/NDF:828584.4/10

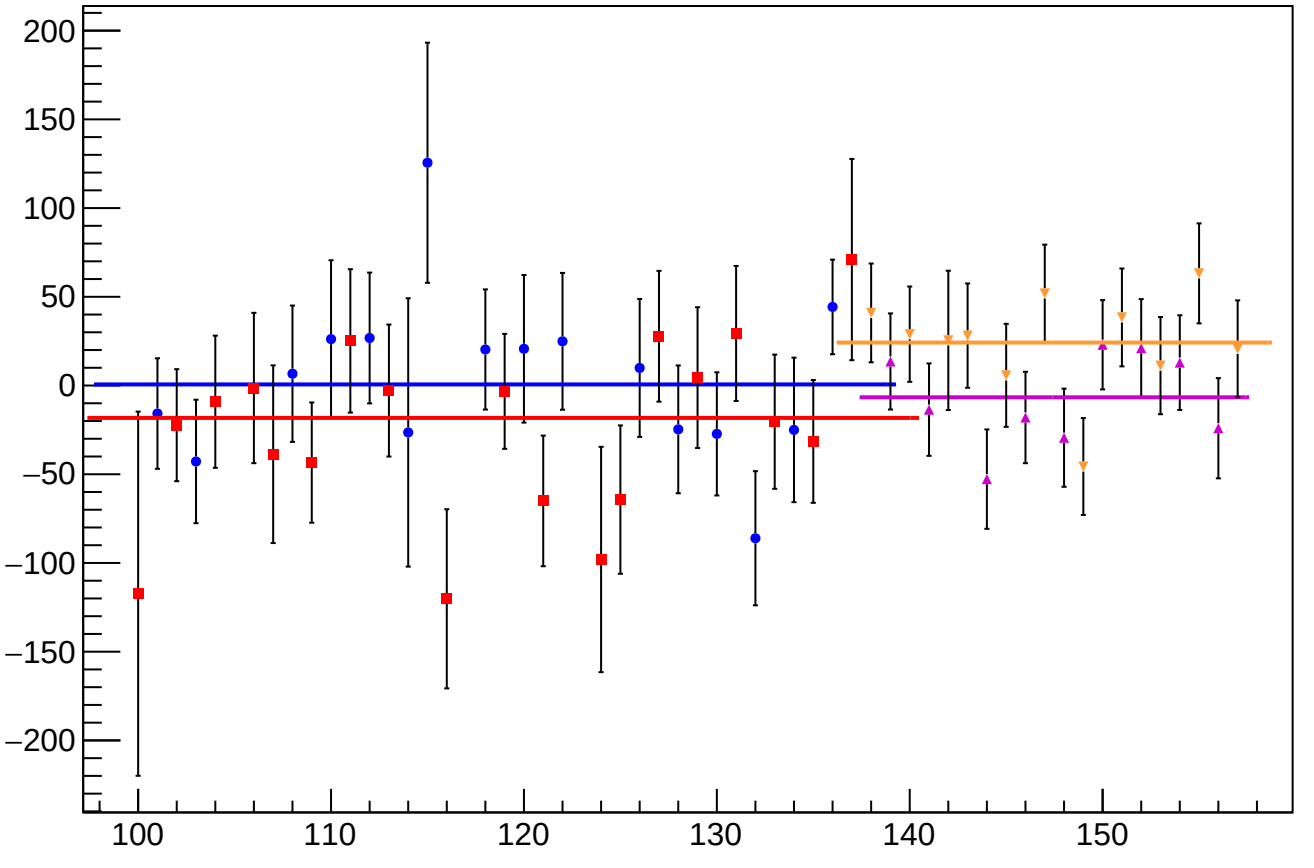
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.588+/-0.049 χ^2/NDF:1301059.5/8

+ sign 213.991+/-0.040 χ^2/NDF: 2015089.3/26

All: 193.405+/-0.026 χ^2/NDF: 5381725.9/54

- sign 177.645+/-0.035 χ^2/NDF: 2894708.0/27



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 24.220+/-8.580 χ^2/NDF:10.8/10

Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

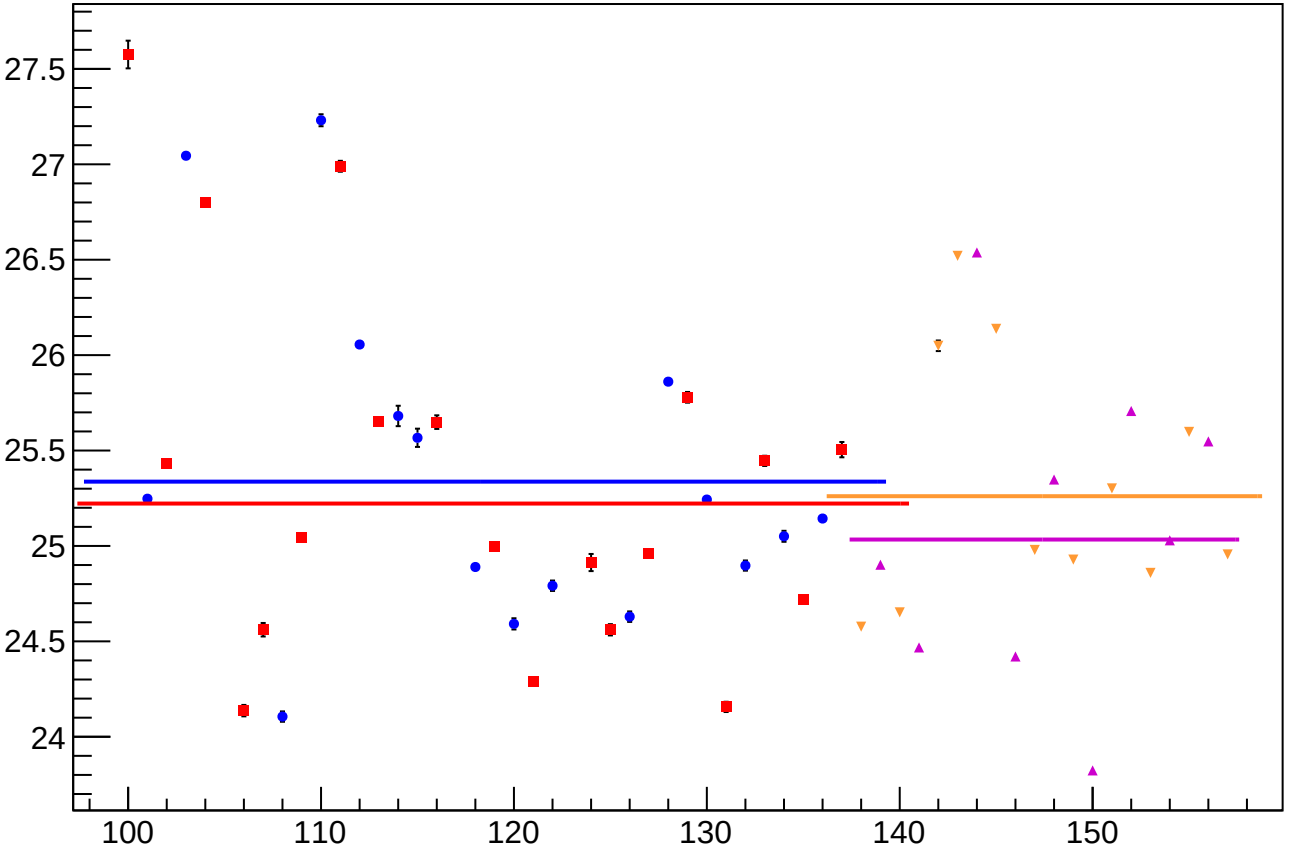
Left In: -6.630+/-8.954 χ^2/NDF:7.5/8

+ sign 13.520+/-6.344 χ^2/NDF: 31.0/26

All: 0.776+/-4.512 χ^2/NDF: 65.5/54

- sign -12.276+/-6.419 χ^2/NDF: 26.3/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.261+/-0.006 χ^2/NDF:10015.8/10

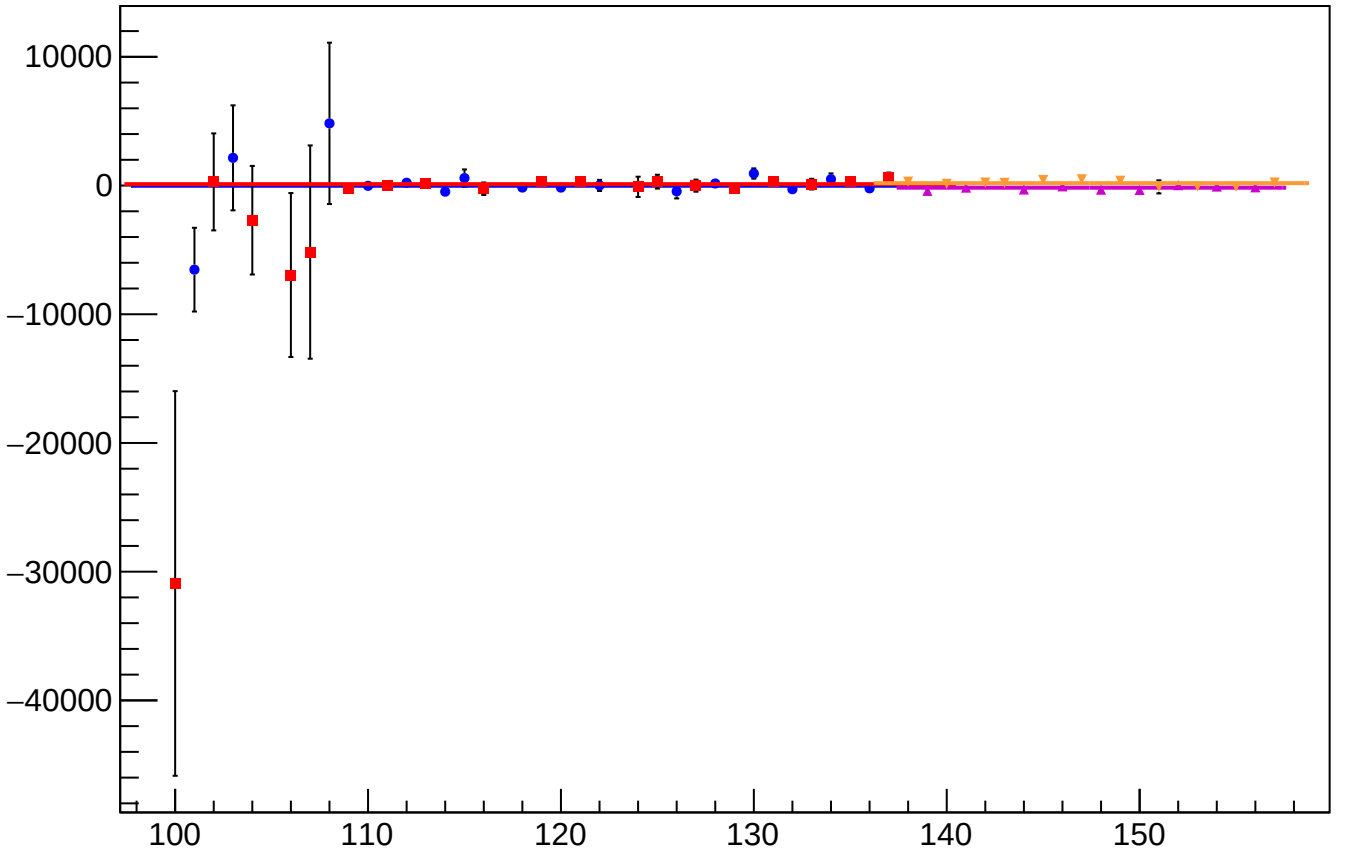
Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.034+/-0.006 χ^2/NDF:14626.3/8

+ sign 25.295+/-0.004 χ^2/NDF: 24402.6/26

All: 25.211+/-0.003 χ^2/NDF: 55394.7/54

- sign 25.125+/-0.005 χ^2/NDF: 30281.9/27



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 184.391+/-83.727 χ^2/NDF:4.9/10

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

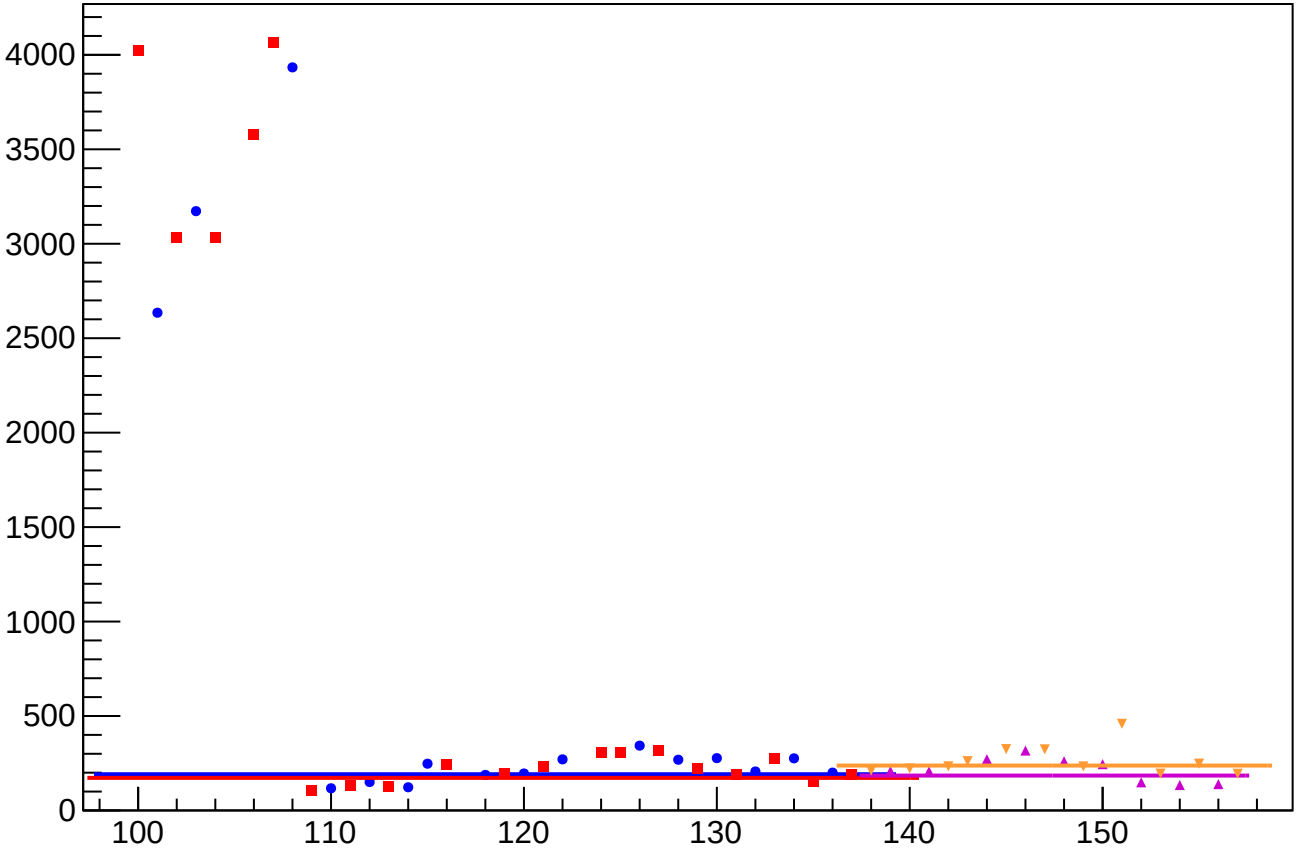
Left In: -166.820+/-71.564 χ^2/NDF:3.5/8

+ sign 85.626+/-59.545 χ^2/NDF: 26.0/26

All: 14.689+/-39.490 χ^2/NDF: 52.8/54

- sign -41.009+/-52.763 χ^2/NDF: 24.3/27

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 237.639+/-0.059 χ^2/NDF:808800.5/10

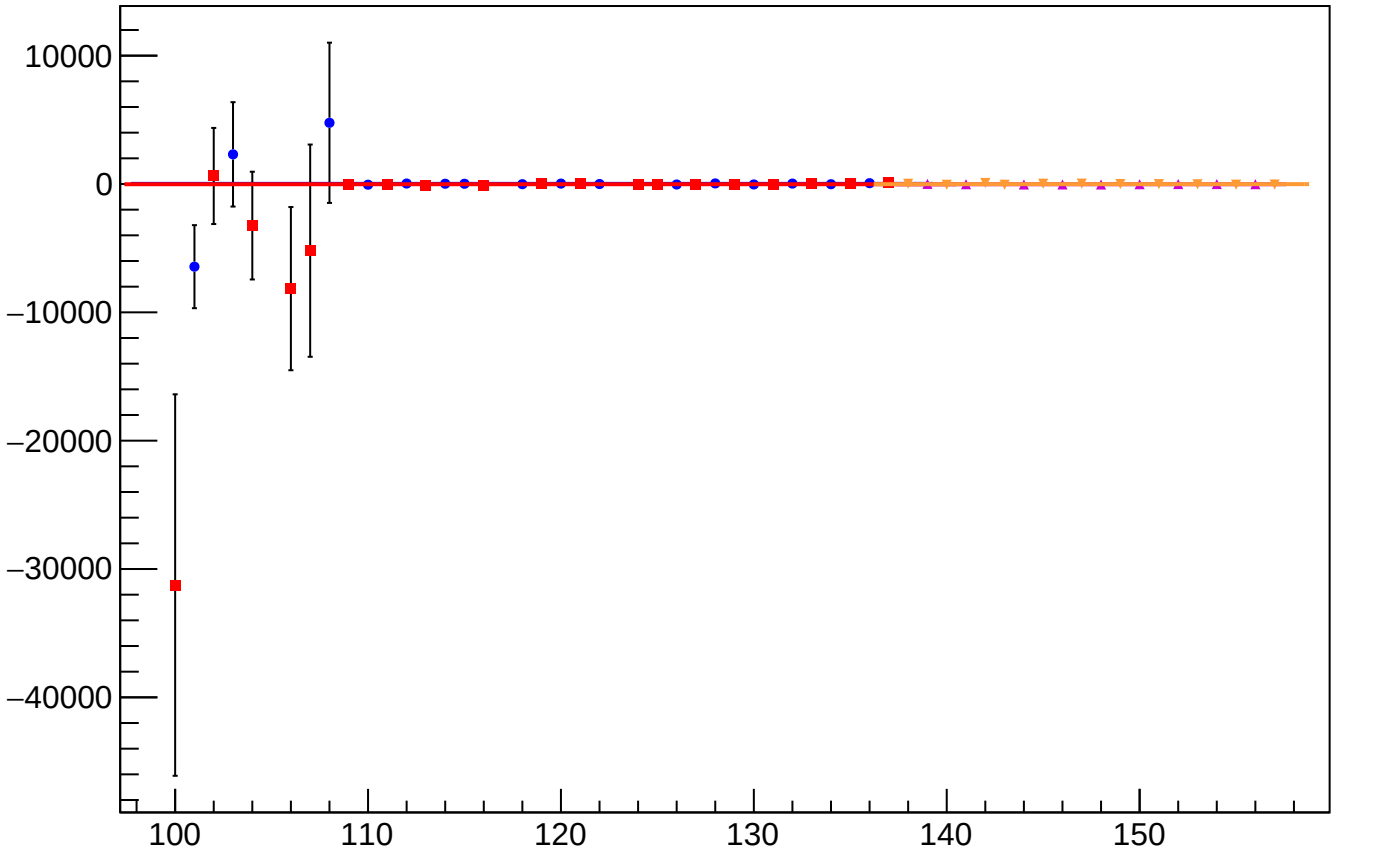
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.700+/-0.051 χ^2/NDF:1230632.4/8

\+ sign 214.953+/-0.042 χ^2/NDF: 4927713.3/26

All: 194.877+/-0.028 χ^2/NDF: 10894009.3/54

\- sign 179.115+/-0.037 χ^2/NDF: 5560456.8/27



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -12.134+/-10.100 χ^2/NDF:14.2/10

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

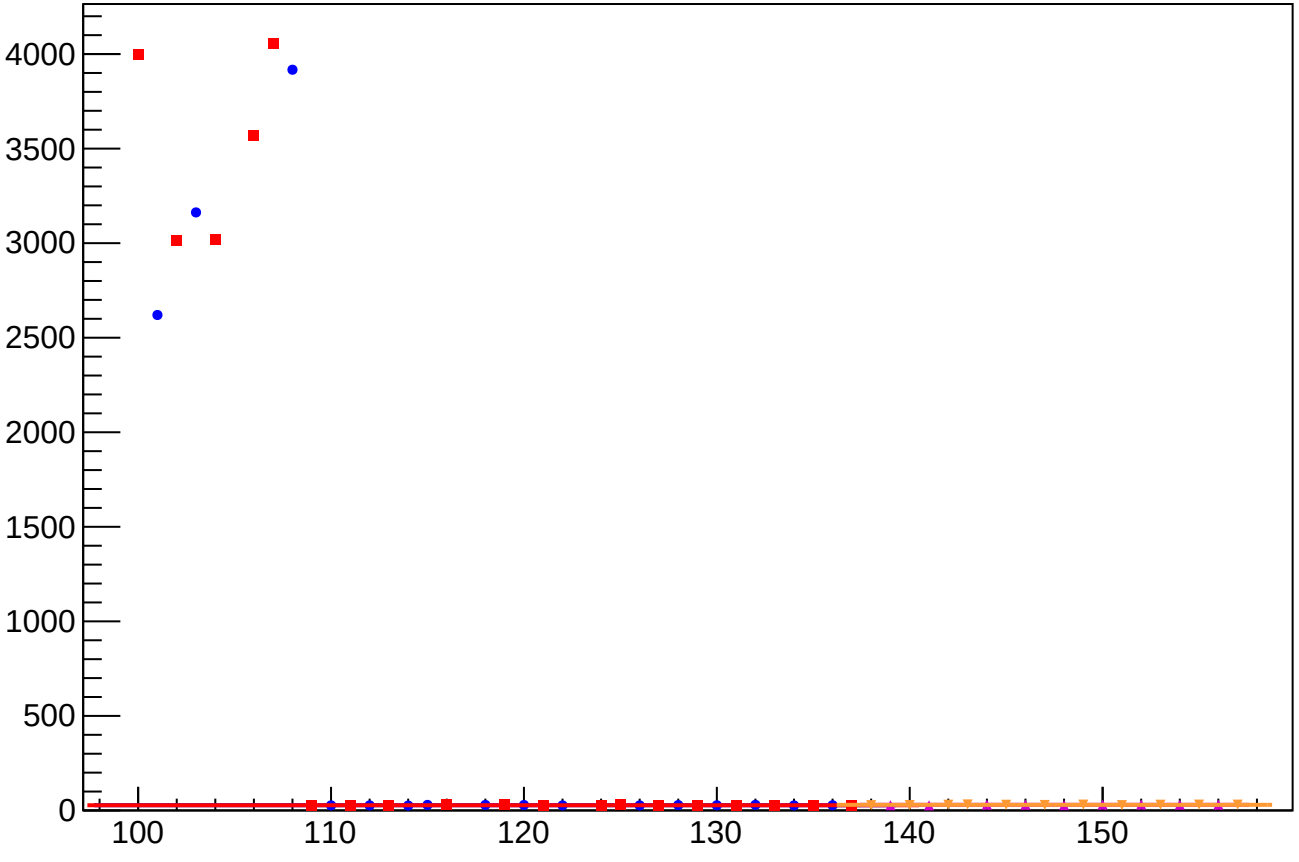
Left In: -17.077+/-10.681 χ^2/NDF:2.2/8

+ sign -2.850+/-7.641 χ^2/NDF: 32.1/26

All: -9.932+/-5.499 χ^2/NDF: 60.9/54

- sign -17.540+/-7.920 χ^2/NDF: 27.0/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.674+/-0.007 χ^2/NDF:32833.0/10

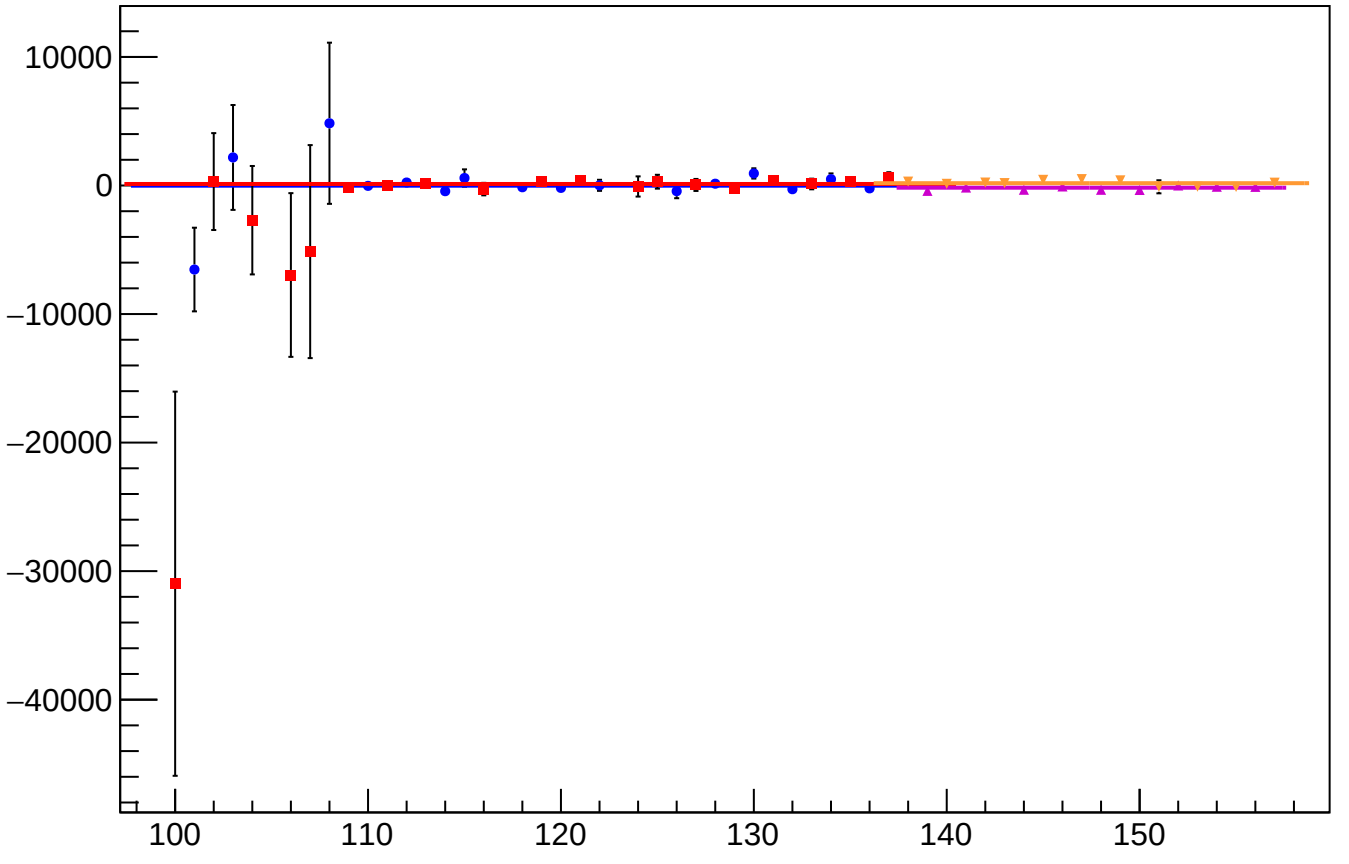
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.781+/-0.008 χ^2/NDF:43892.4/8

+ sign 28.805+/-0.005 χ^2/NDF: 3332974.9/26

All: 28.788+/-0.004 χ^2/NDF: 6971934.9/54

- sign 28.770+/-0.006 χ^2/NDF: 3638939.4/27



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 180.012+/-83.539 χ^2/NDF:5.3/10

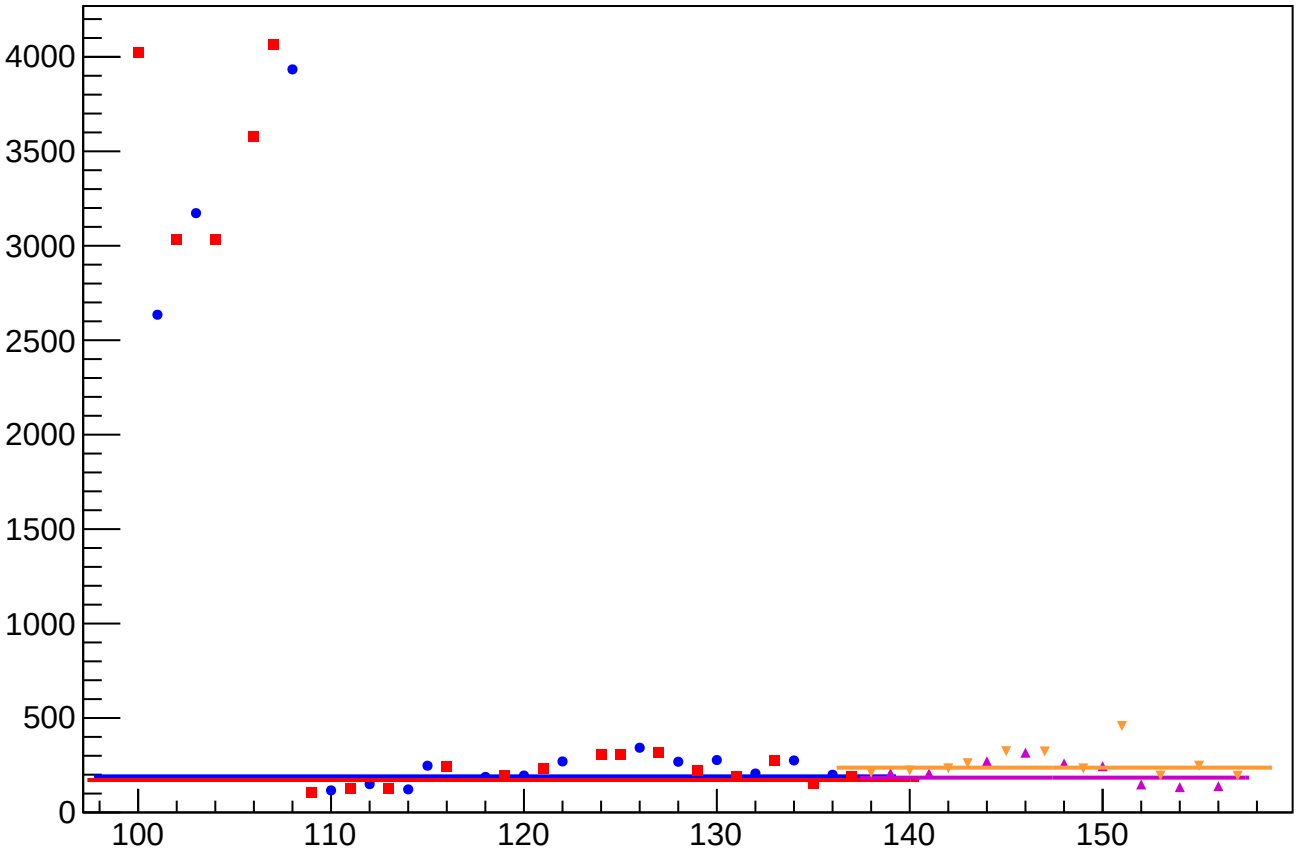
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -170.576+/-71.419 χ^2/NDF:3.4/8

+ sign 84.478+/-59.392 χ^2/NDF: 26.2/26

All: 15.487+/-39.390 χ^2/NDF: 54.0/54

- sign -38.692+/-52.632 χ^2/NDF: 25.3/27



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 237.105+/-0.059 χ^2/NDF:808996.1/10

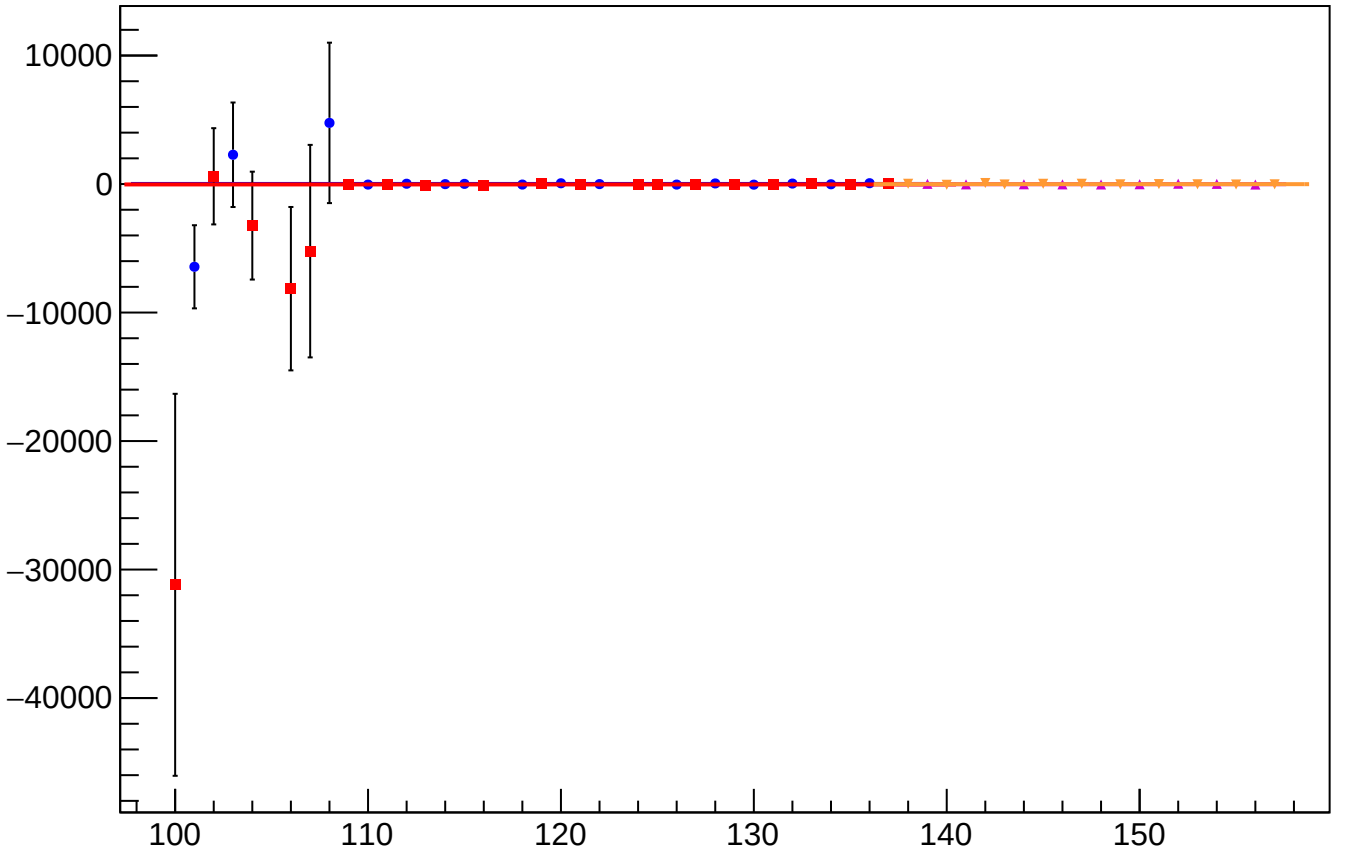
Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 184.333+/-0.051 χ^2/NDF:1229679.0/8

+ sign 214.338+/-0.042 χ^2/NDF: 4943311.8/26

All: 194.333+/-0.028 χ^2/NDF: 10920813.8/54

- sign 178.623+/-0.037 χ^2/NDF: 5572386.5/27



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.685+/-10.178 χ^2/NDF:10.2/10

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

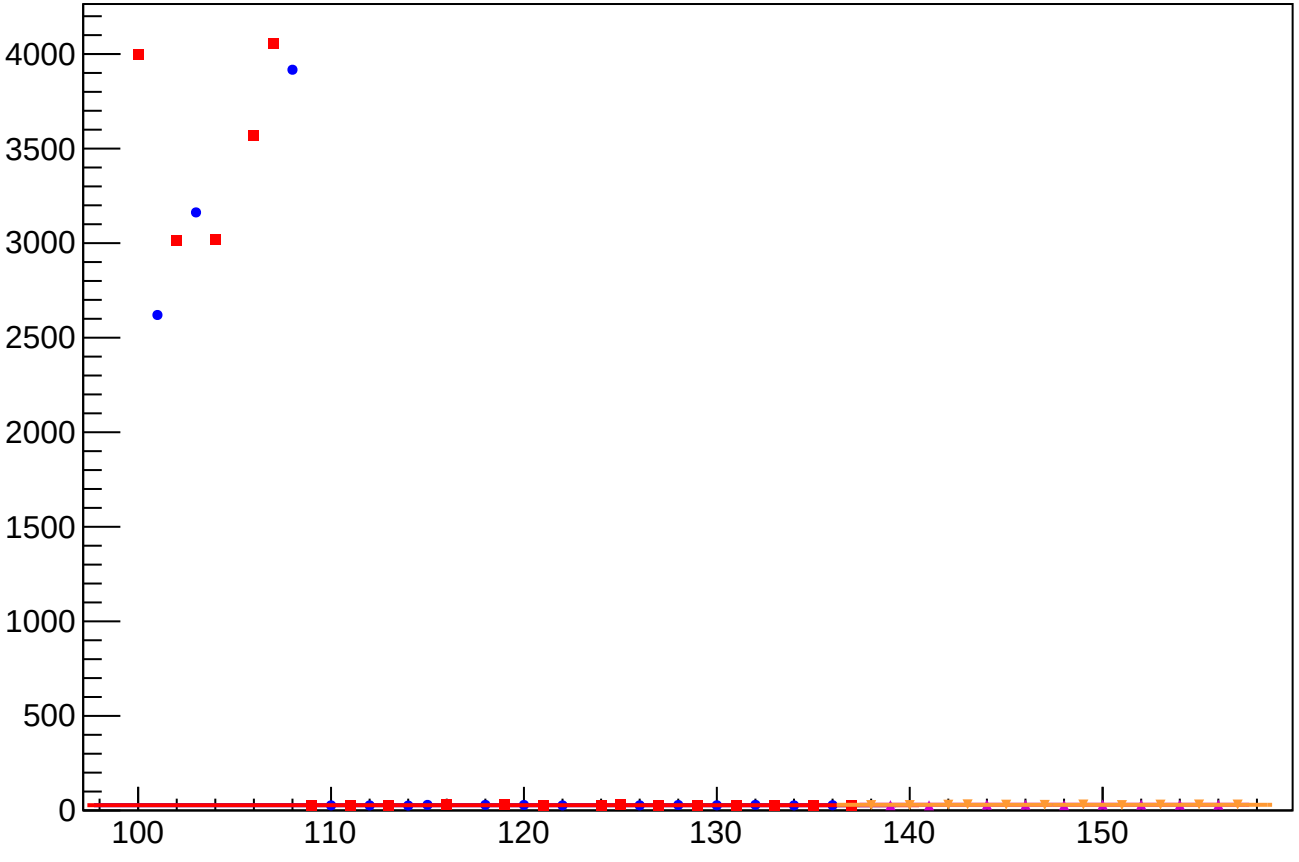
Left In: -10.442+/-10.744 χ^2/NDF:4.0/8

\+ sign -2.760+/-7.697 χ^2/NDF: 29.6/26

All: -10.909+/-5.538 χ^2/NDF: 57.4/54

\- sign -19.656+/-7.975 χ^2/NDF: 25.5/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.899+/-0.007 χ^2/NDF:35843.3/10

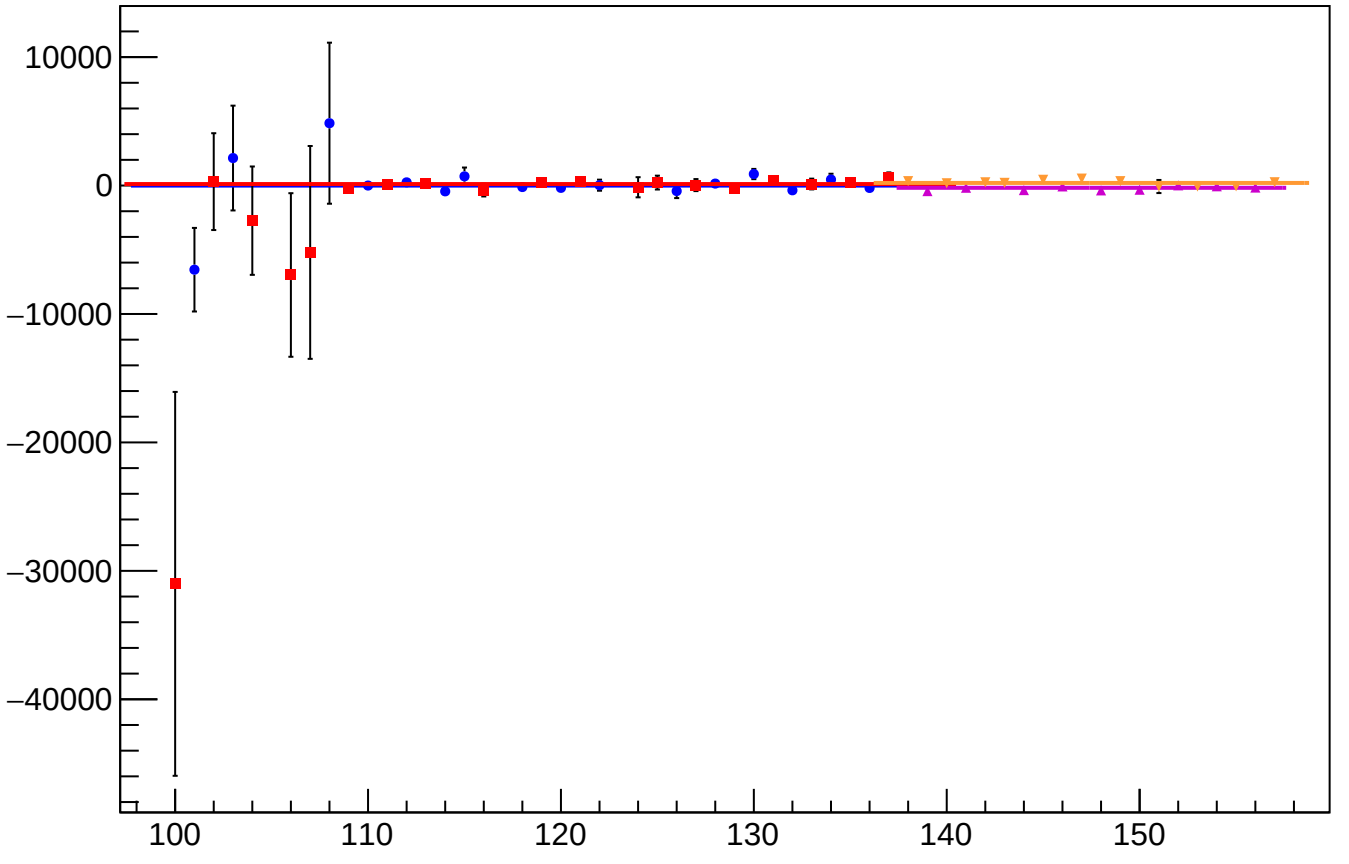
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.961+/-0.008 χ^2/NDF:45657.8/8

+ sign 29.011+/-0.005 χ^2/NDF: 3337296.9/26

All: 28.991+/-0.004 χ^2/NDF: 6979567.8/54

- sign 28.970+/-0.006 χ^2/NDF: 3642243.2/27



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 202.966+/-84.406 χ^2/NDF:4.8/10

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

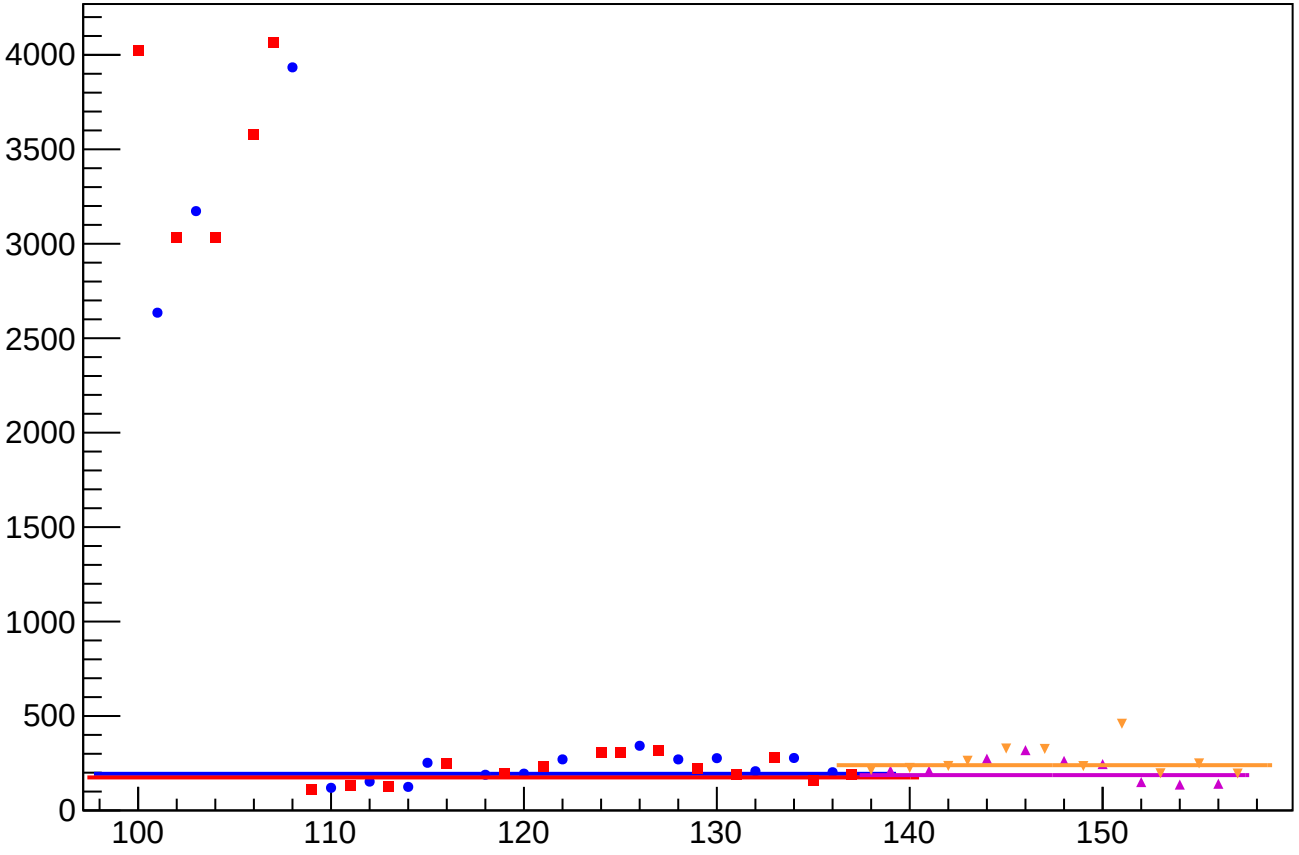
Left In: -176.108+/-72.377 χ^2/NDF:3.9/8

+ sign 101.420+/-60.070 χ^2/NDF: 25.9/26

All: 20.778+/-39.890 χ^2/NDF: 54.3/54

- sign -42.835+/-53.352 χ^2/NDF: 25.2/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 239.663+/-0.060 χ^2/NDF:801319.7/10

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

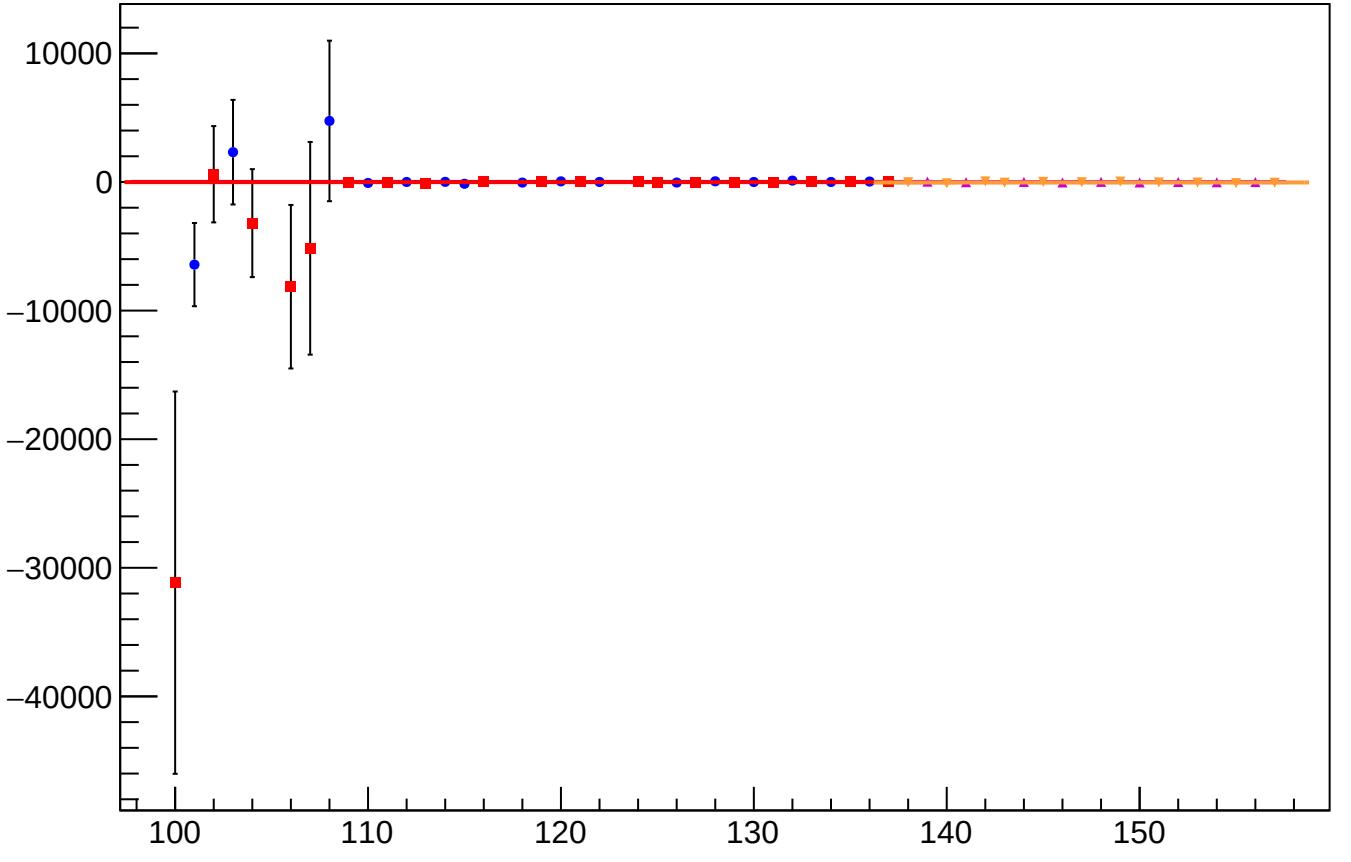
Left In: 187.074+/-0.051 χ^2/NDF:1205448.9/8

+ sign 217.101+/-0.042 χ^2/NDF: 4875340.2/26

All: 197.177+/-0.028 χ^2/NDF: 10760064.1/54

- sign 181.460+/-0.038 χ^2/NDF: 5491123.1/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -36.772+/-11.940 χ^2/NDF:12.9/10

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

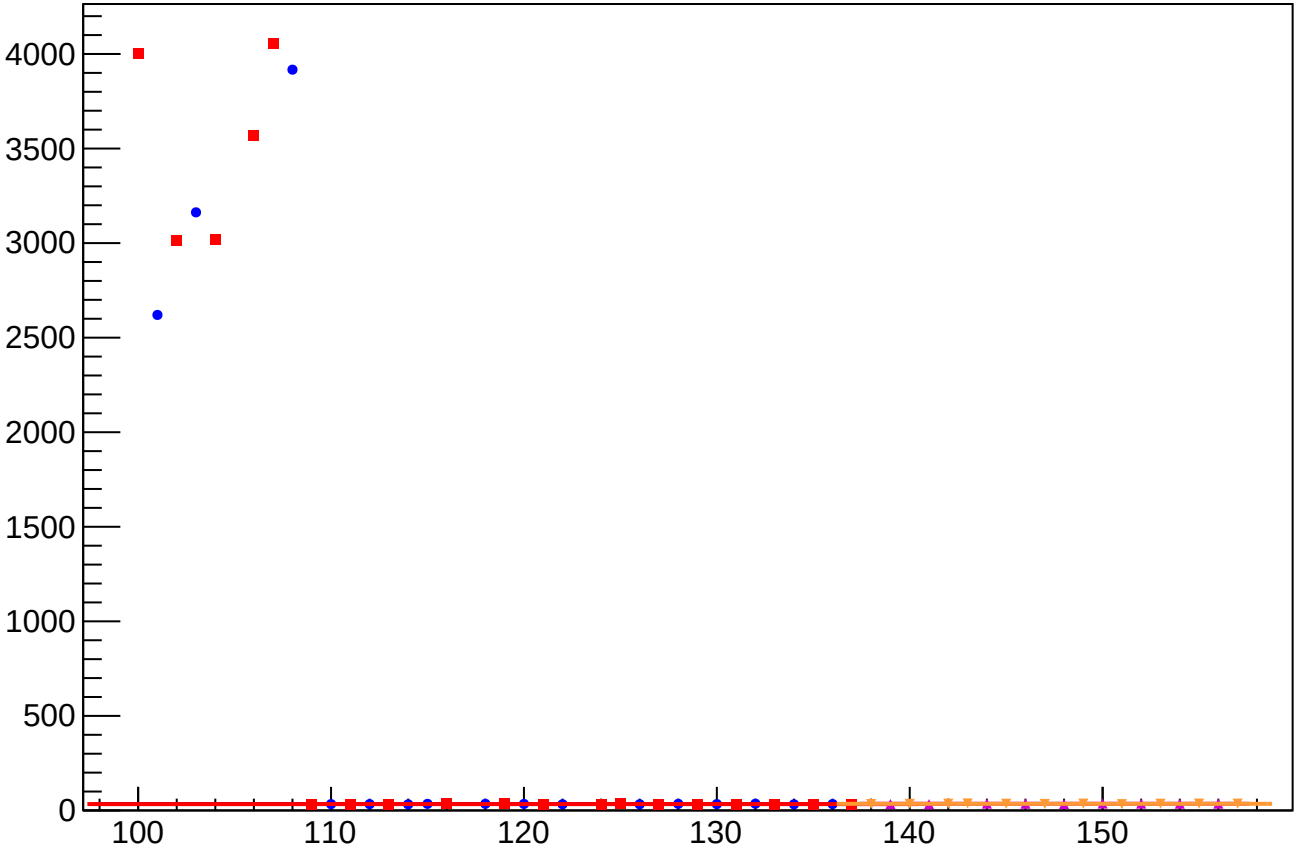
Left In: -5.456+/-12.624 χ^2/NDF:2.6/8

\+ sign -19.349+/-9.167 χ^2/NDF: 35.6/26

All: -13.602+/-6.597 χ^2/NDF: 62.5/54

\- sign -7.427+/-9.502 χ^2/NDF: 26.1/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.132+/-0.008 χ^2/NDF:15801.8/10

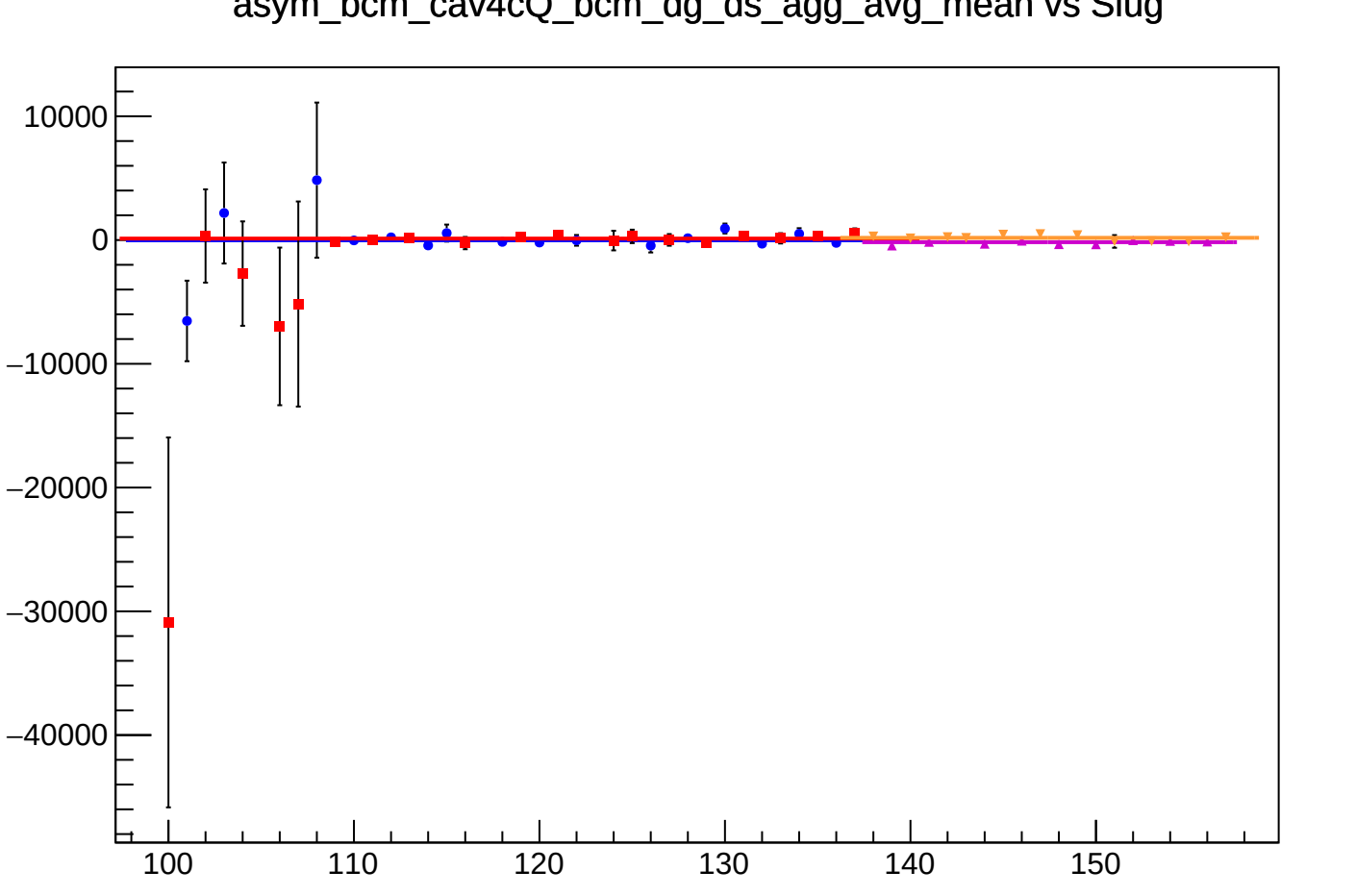
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.279+/-0.009 χ^2/NDF:15742.3/8

+ sign 34.626+/-0.006 χ^2/NDF: 3268937.0/26

All: 34.616+/-0.005 χ^2/NDF: 6824267.3/54

- sign 34.606+/-0.007 χ^2/NDF: 3555325.7/27



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 180.865+/-84.077 χ^2/NDF:5.3/10

Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

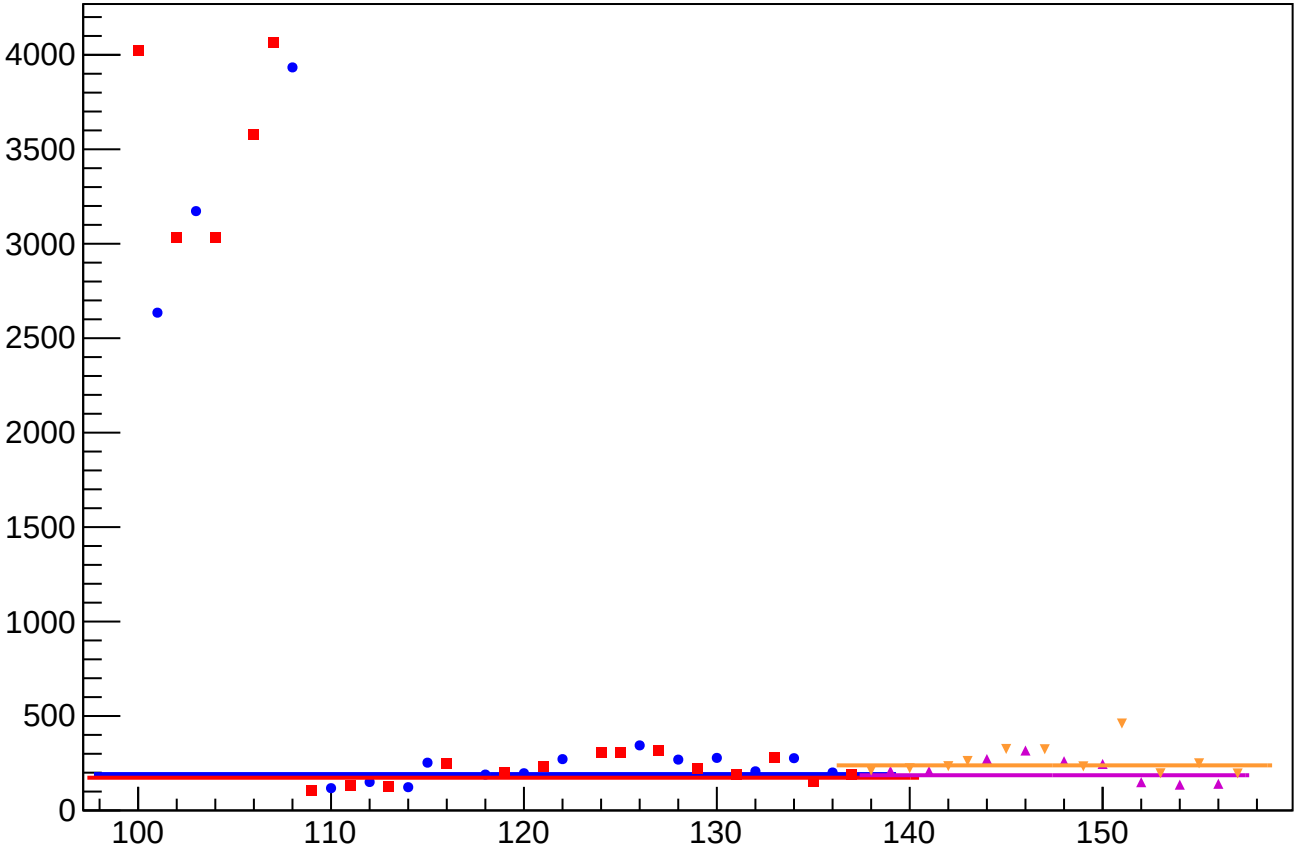
Left In: -172.046+/-72.120 χ^2/NDF:3.6/8

+ sign 81.839+/-59.797 χ^2/NDF: 26.3/26

All: 14.650+/-39.703 χ^2/NDF: 52.9/54

- sign -38.324+/-53.095 χ^2/NDF: 24.4/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 238.716+/-0.059 χ^2/NDF:800287.4/10

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

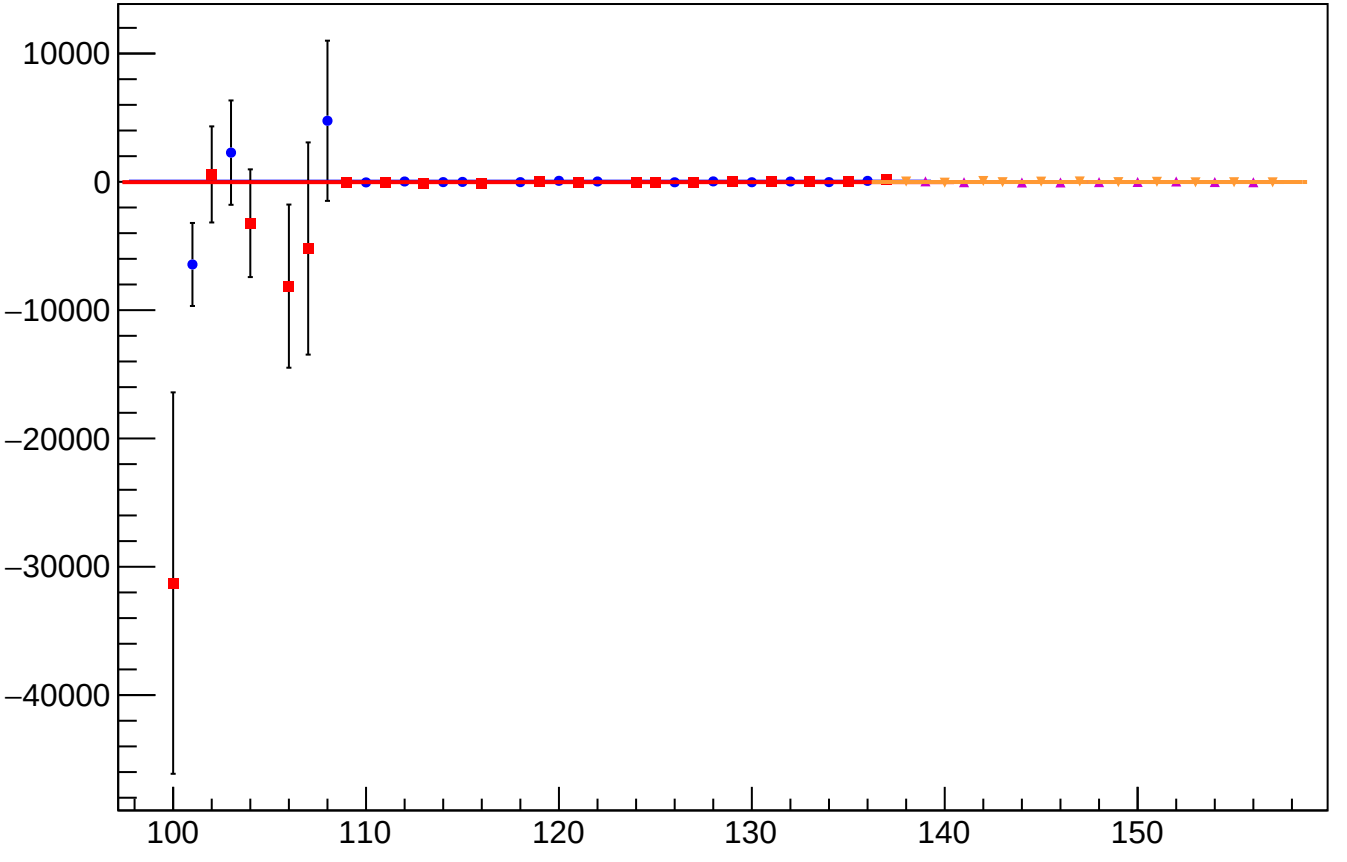
Left In: 186.416+/-0.051 χ^2/NDF:1194908.8/8

+ sign 215.907+/-0.042 χ^2/NDF: 4920937.7/26

All: 196.045+/-0.028 χ^2/NDF: 10848428.9/54

- sign 180.386+/-0.038 χ^2/NDF: 5532863.3/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.159+/-10.907 χ^2/NDF:9.9/10

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

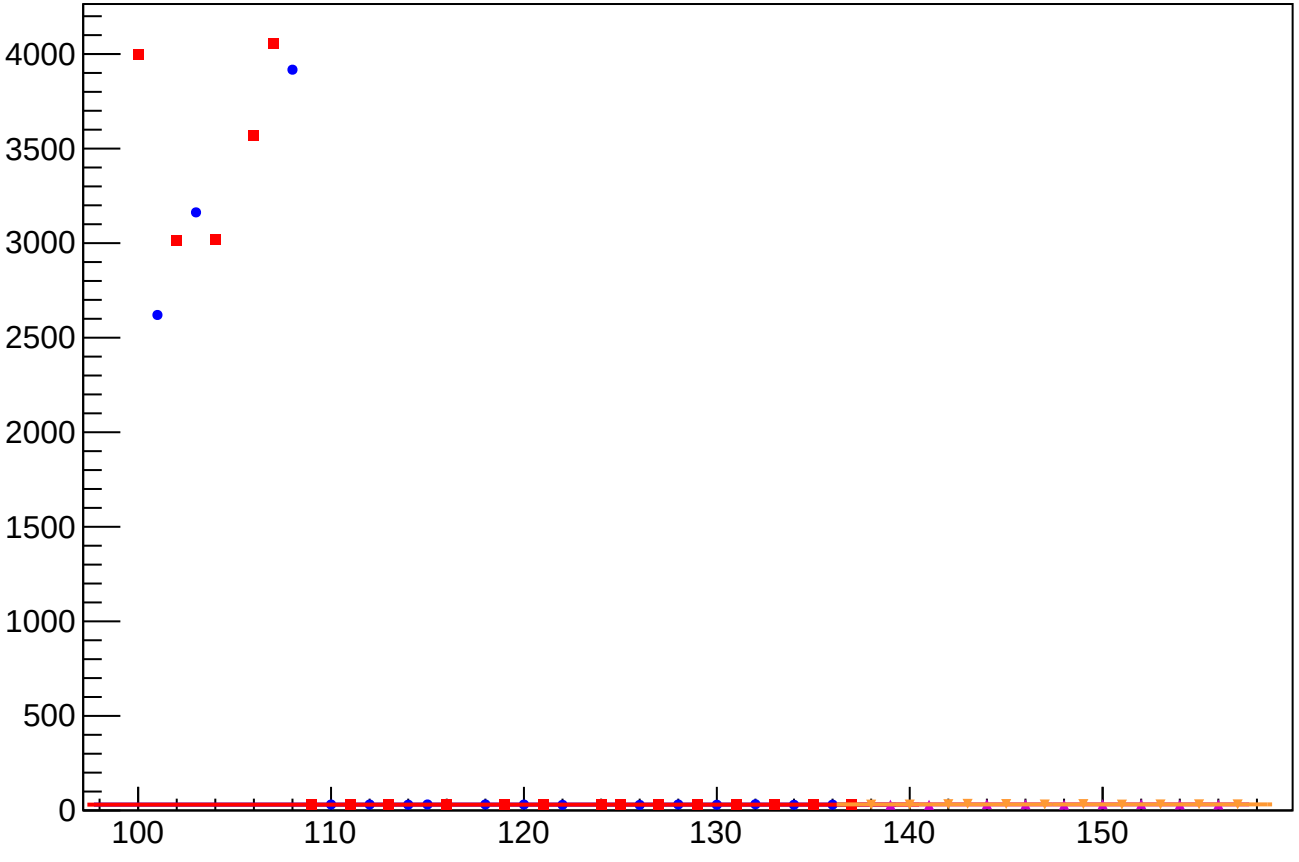
Left In: -13.360+/-11.530 χ^2/NDF:6.1/8

+ sign -2.120+/-8.372 χ^2/NDF: 27.9/26

All: -9.601+/-6.025 χ^2/NDF: 64.6/54

- sign -17.638+/-8.678 χ^2/NDF: 35.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.061+/-0.008 χ^2/NDF:25359.0/10

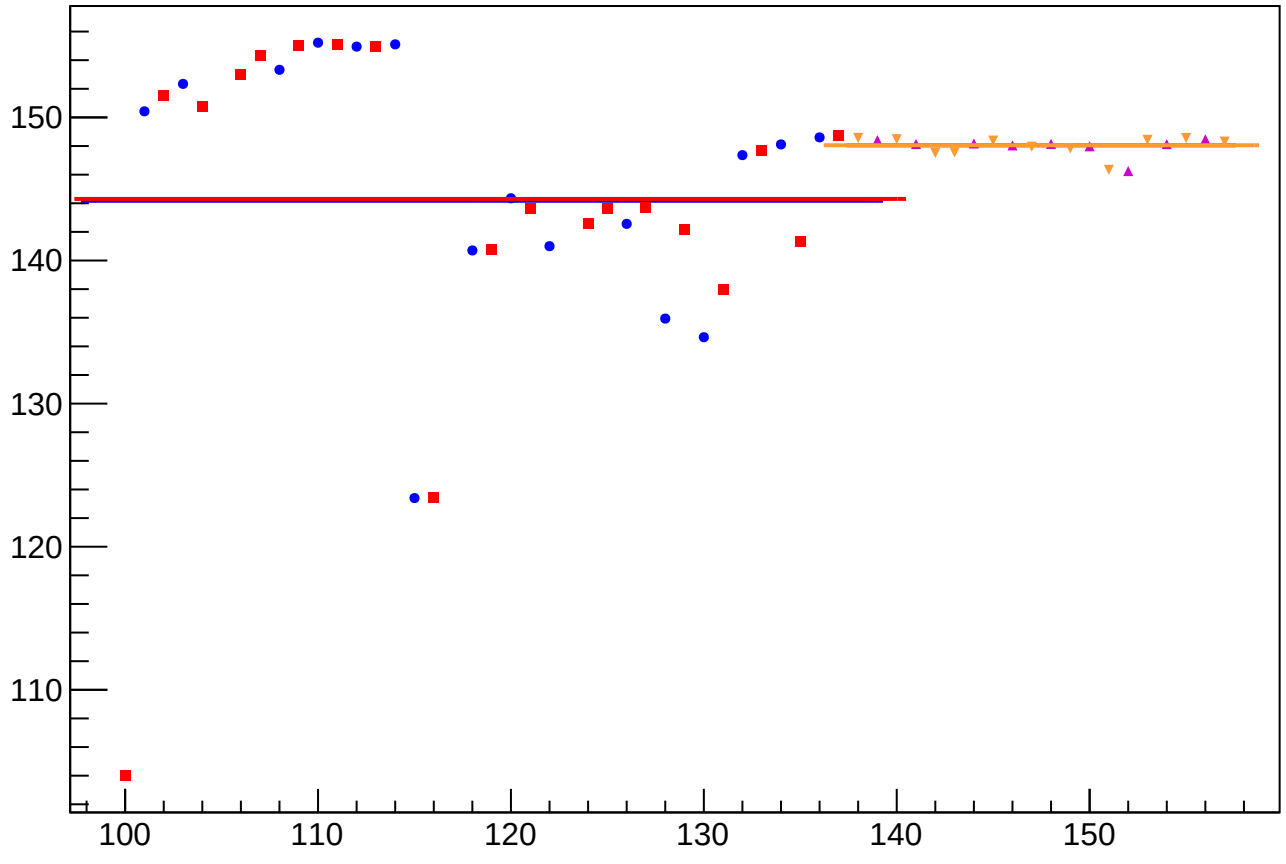
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.171+/-0.008 χ^2/NDF:28234.9/8

+ sign 31.596+/-0.006 χ^2/NDF: 3286833.9/26

All: 31.582+/-0.004 χ^2/NDF: 6863988.9/54

- sign 31.567+/-0.006 χ^2/NDF: 3577143.1/27



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

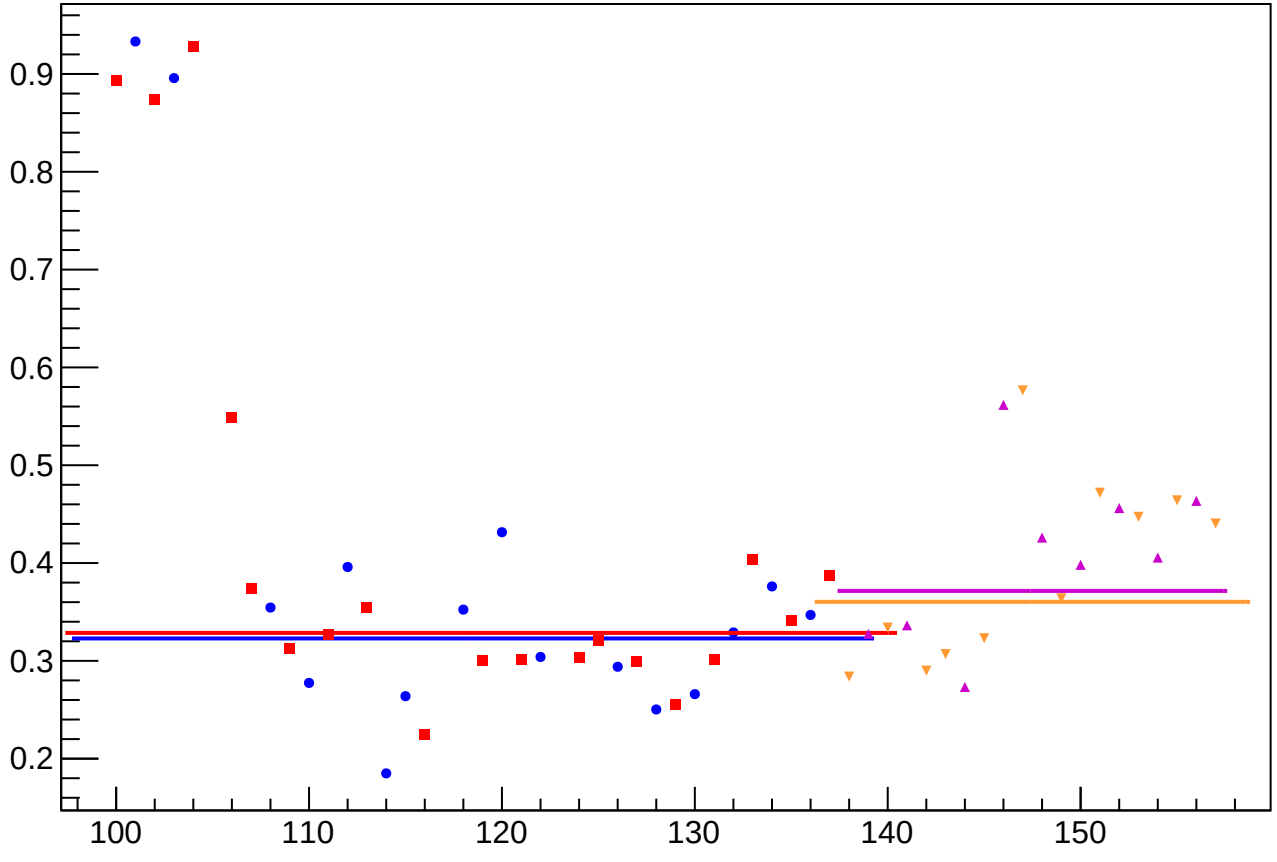
Left In: 148.050+/-0.000 χ^2/NDF:14520264.9/8

+ sign 146.176+/-0.000 χ^2/NDF: 4187828931.5/26

All: 146.139+/-0.000 χ^2/NDF: 8846752524.6

- sign 146.099+/-0.000 χ^2/NDF: 4658591536.3/27

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

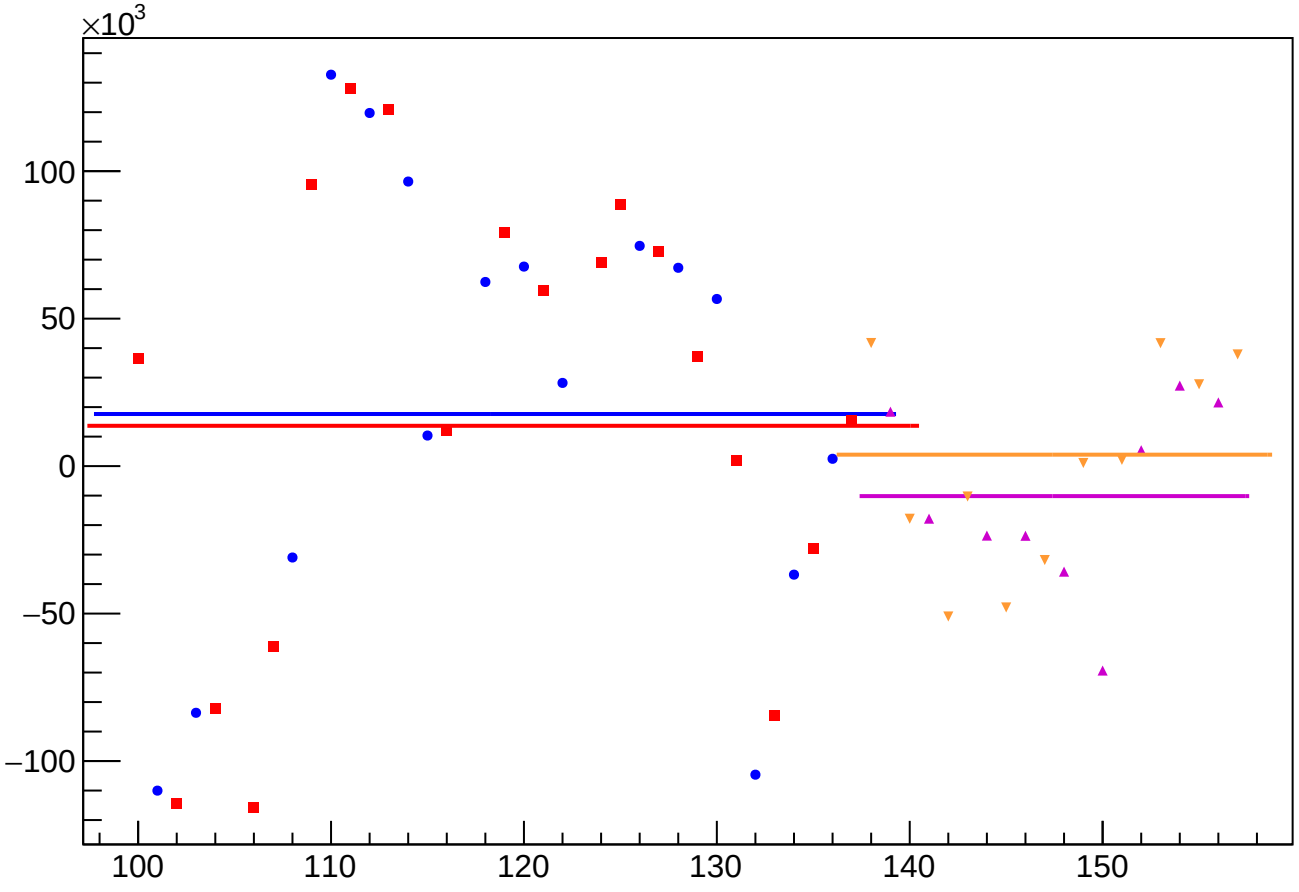
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.372+/-0.000 χ^2/NDF:628192.5/8

+ sign 0.342+/-0.000 χ^2/NDF: 2208865.2/26

All: 0.346+/-0.000 χ^2/NDF: 4246392.4/54

- sign 0.349+/-0.000 χ^2/NDF: 2032087.0/27



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 3879.491+/-1.699 χ^2/NDF:353490446.3/10

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

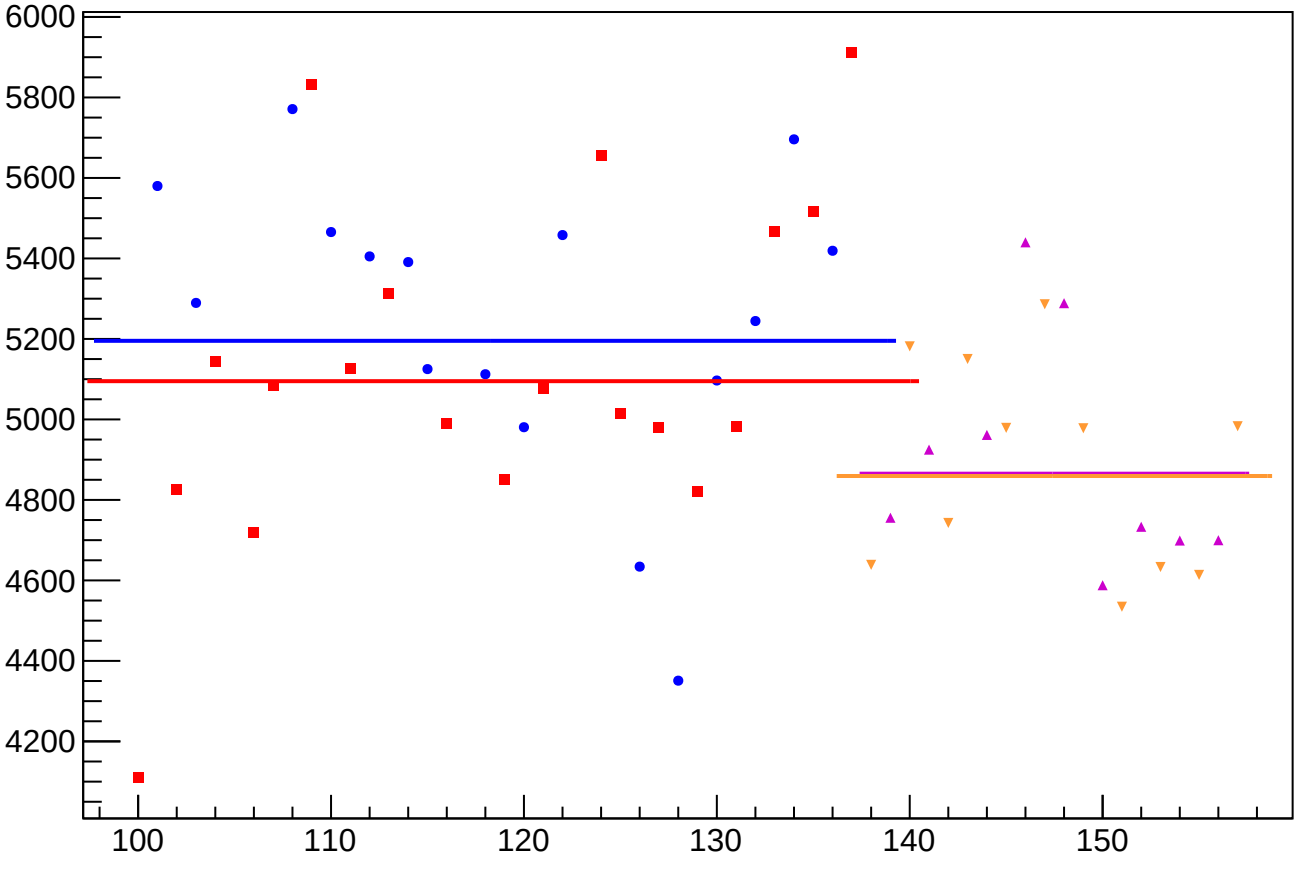
Left In: -10170.260+/-1.795 χ^2/NDF:303161253.3/8

+ sign 9640.410+/-1.297 χ^2/NDF: 1779726173.3/26

All: 5333.191+/-0.922 χ^2/NDF: 4044219350.

- sign 917.073+/-1.313 χ^2/NDF: 2242141185.3/27

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4859.417+/-1.202 χ^2/NDF:44056.4/10

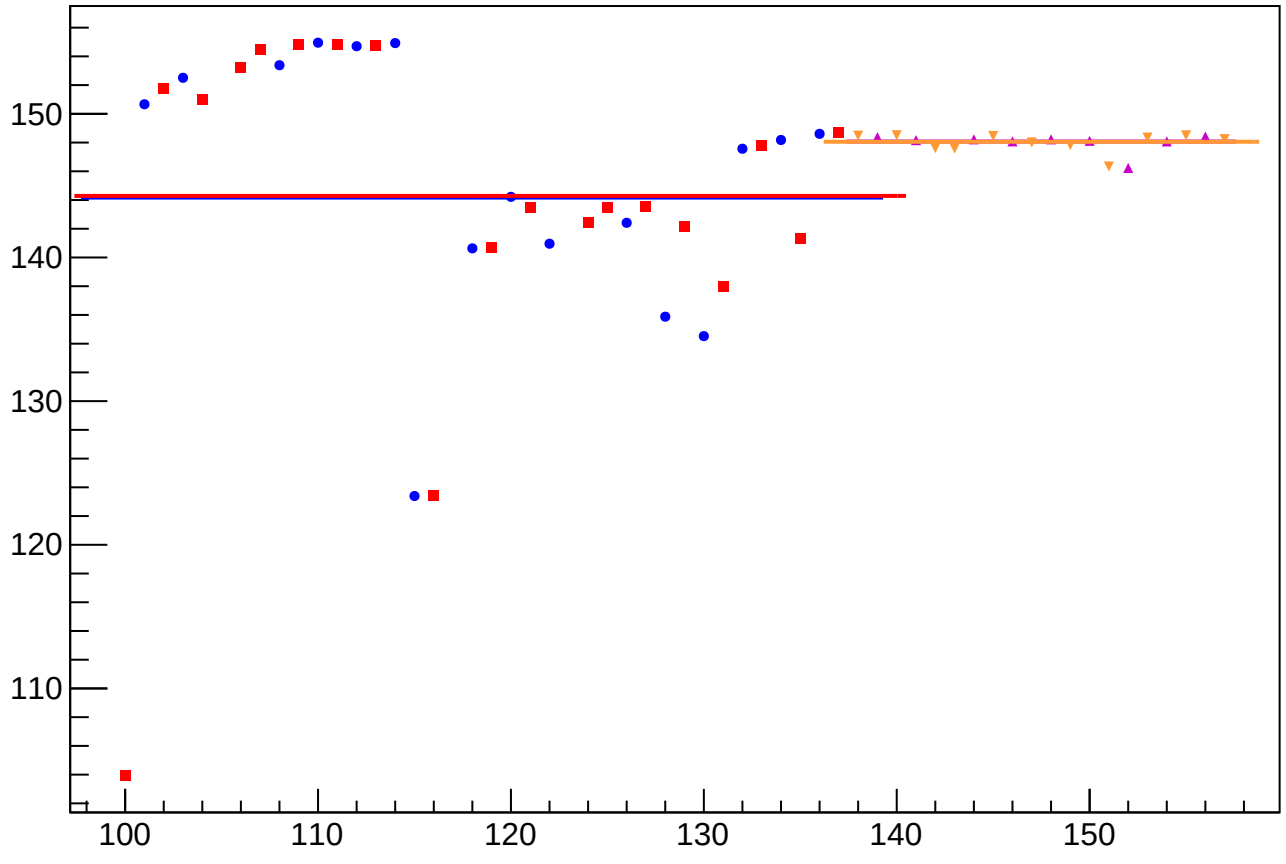
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4865.160+/-1.269 χ^2/NDF:41265.8/8

+ sign 4999.793+/-0.917 χ^2/NDF: 153875.1/26

All: 4986.114+/-0.652 χ^2/NDF: 269961.0/54

- sign 4972.090+/-0.928 χ^2/NDF: 115635.0/27



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.056+/-0.000 χ^2/NDF:19250795.7/10

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

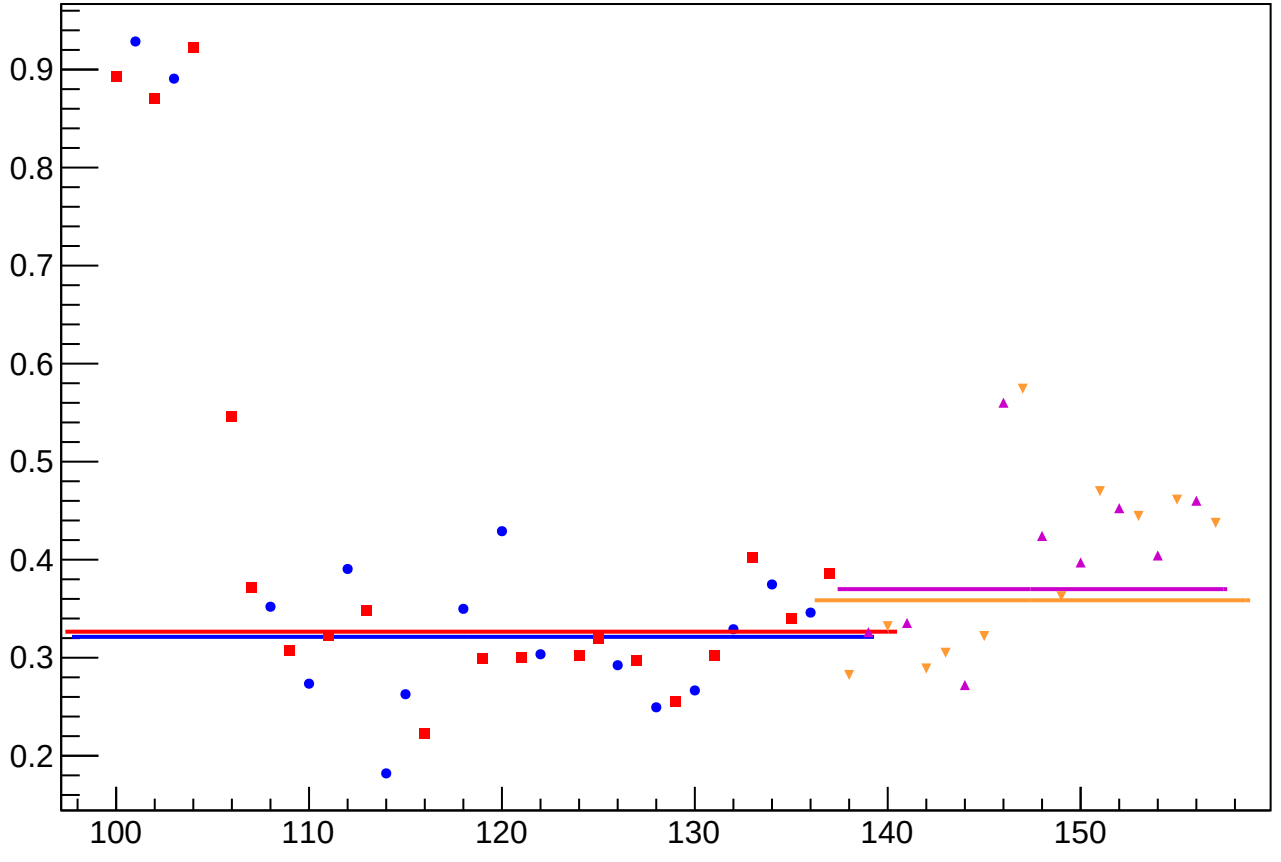
Left In: 148.072+/-0.000 χ^2/NDF:14937495.8/8

+ sign 146.174+/-0.000 χ^2/NDF: 4232388288.3/26

All: 146.137+/-0.000 χ^2/NDF: 8929478178.1

- sign 146.097+/-0.000 χ^2/NDF: 4696749637.4/27

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.359+/-0.000 χ^2/NDF:729355.2/10

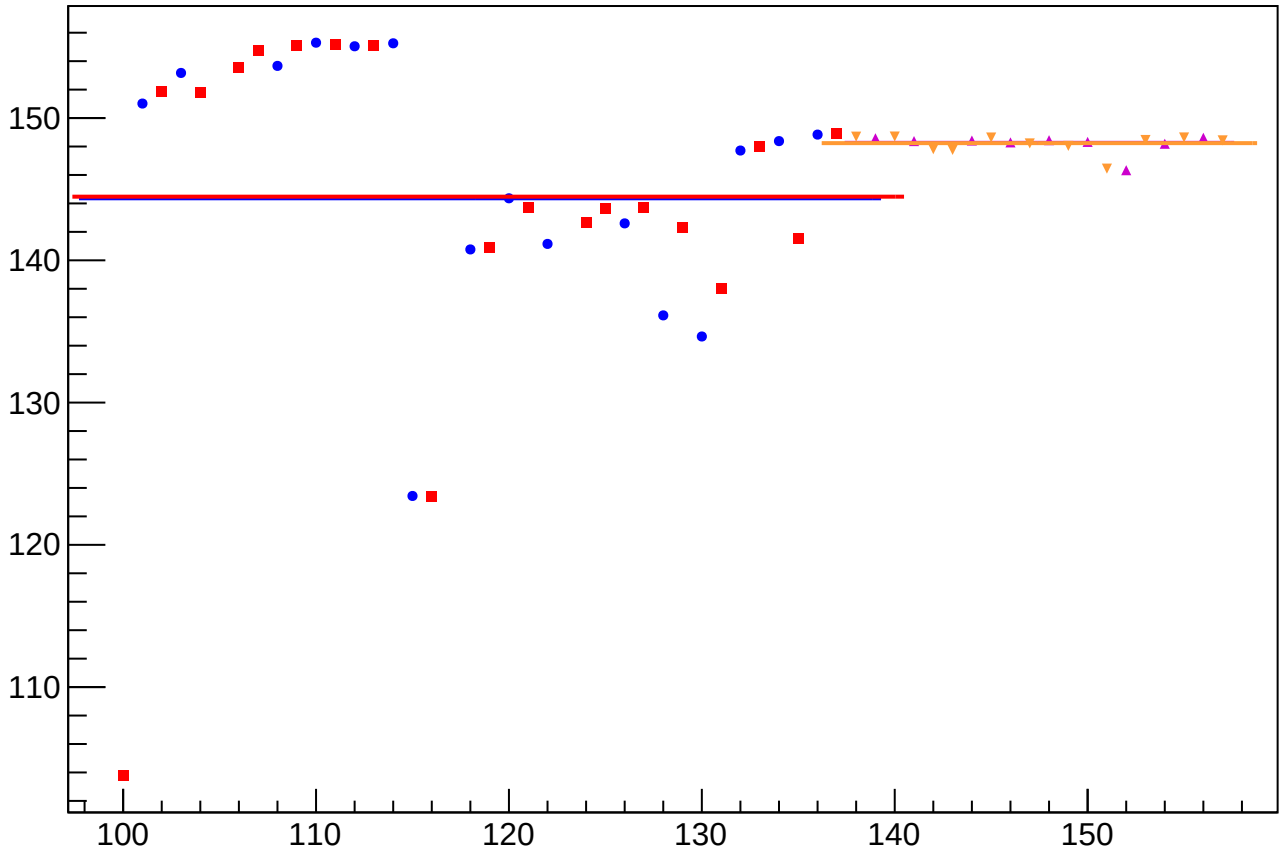
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.370+/-0.000 χ^2/NDF:625836.4/8

+ sign 0.341+/-0.000 χ^2/NDF: 2208308.8/26

All: 0.344+/-0.000 χ^2/NDF: 4245119.8/54

- sign 0.347+/-0.000 χ^2/NDF: 2031542.8/27



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.238+/-0.000 χ^2/NDF:19694716.2/10

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

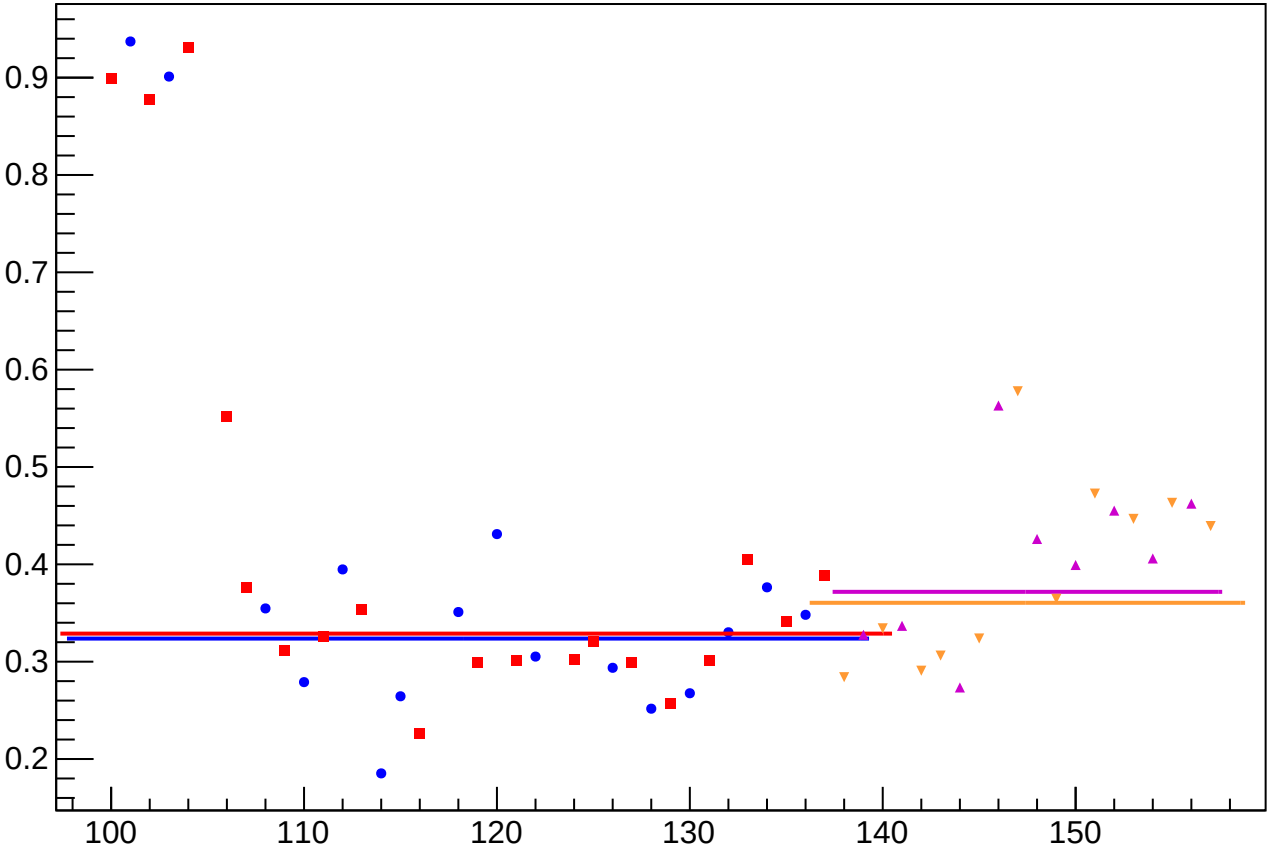
Left In: 148.259+/-0.000 χ^2/NDF:16256624.3/8

+ sign 146.363+/-0.000 χ^2/NDF: 4219389332.7/26

All: 146.327+/-0.000 χ^2/NDF: 8904791518.1

- sign 146.288+/-0.000 χ^2/NDF: 4685083672.5/27

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.360+/-0.000 χ^2/NDF:728342.3/10

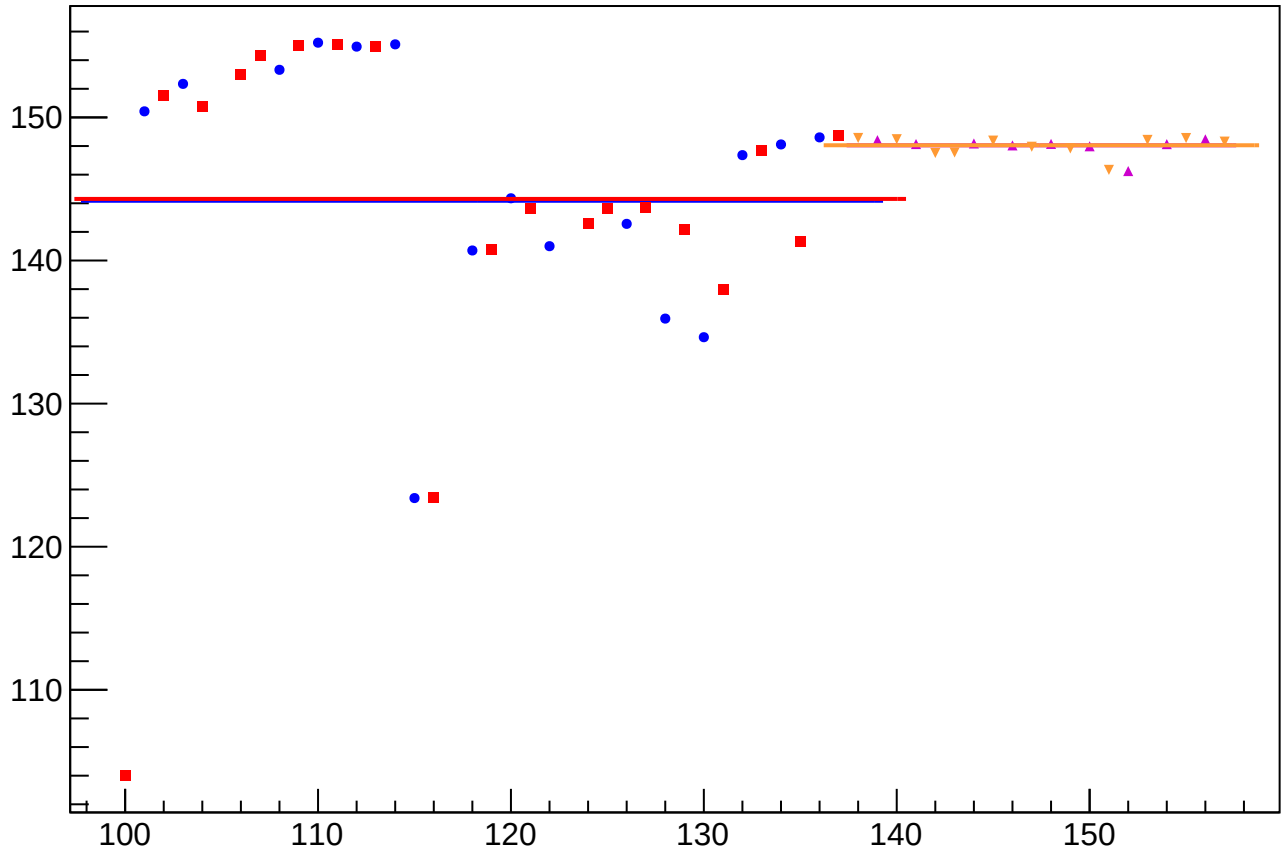
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.372+/-0.000 χ^2/NDF:626332.9/8

\+ sign 0.343+/-0.000 χ^2/NDF: 2200052.8/26

All: 0.346+/-0.000 χ^2/NDF: 4234167.0/54

\- sign 0.349+/-0.000 χ^2/NDF: 2029078.8/27



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.055+/-0.000 χ^2/NDF:20442157.7/10

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

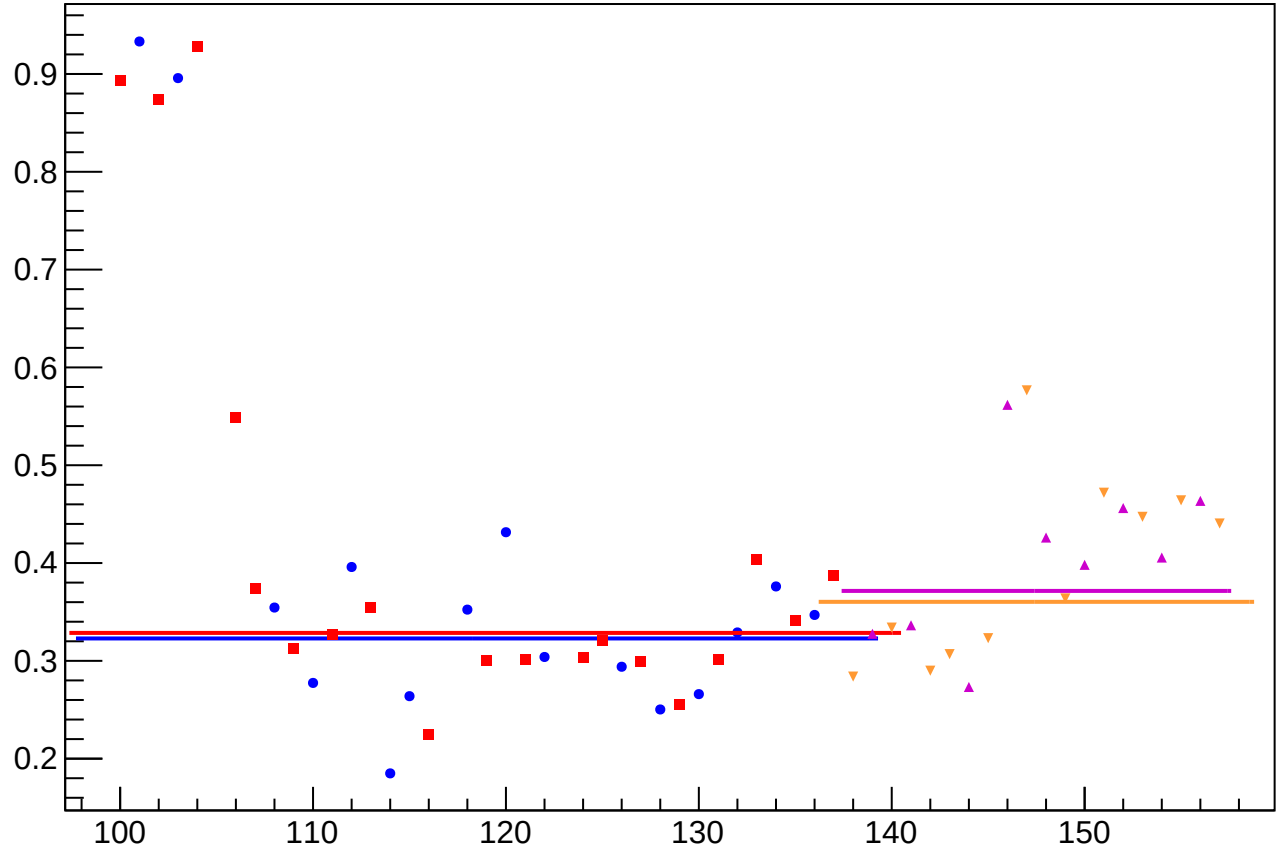
Left In: 148.050+/-0.000 χ^2/NDF:14520264.9/8

+ sign 146.176+/-0.000 χ^2/NDF: 4187828931.5/26

All: 146.139+/-0.000 χ^2/NDF: 8846752524.6

- sign 146.099+/-0.000 χ^2/NDF: 4658591536.3/27

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.360+/-0.000 χ^2/NDF:730292.6/10

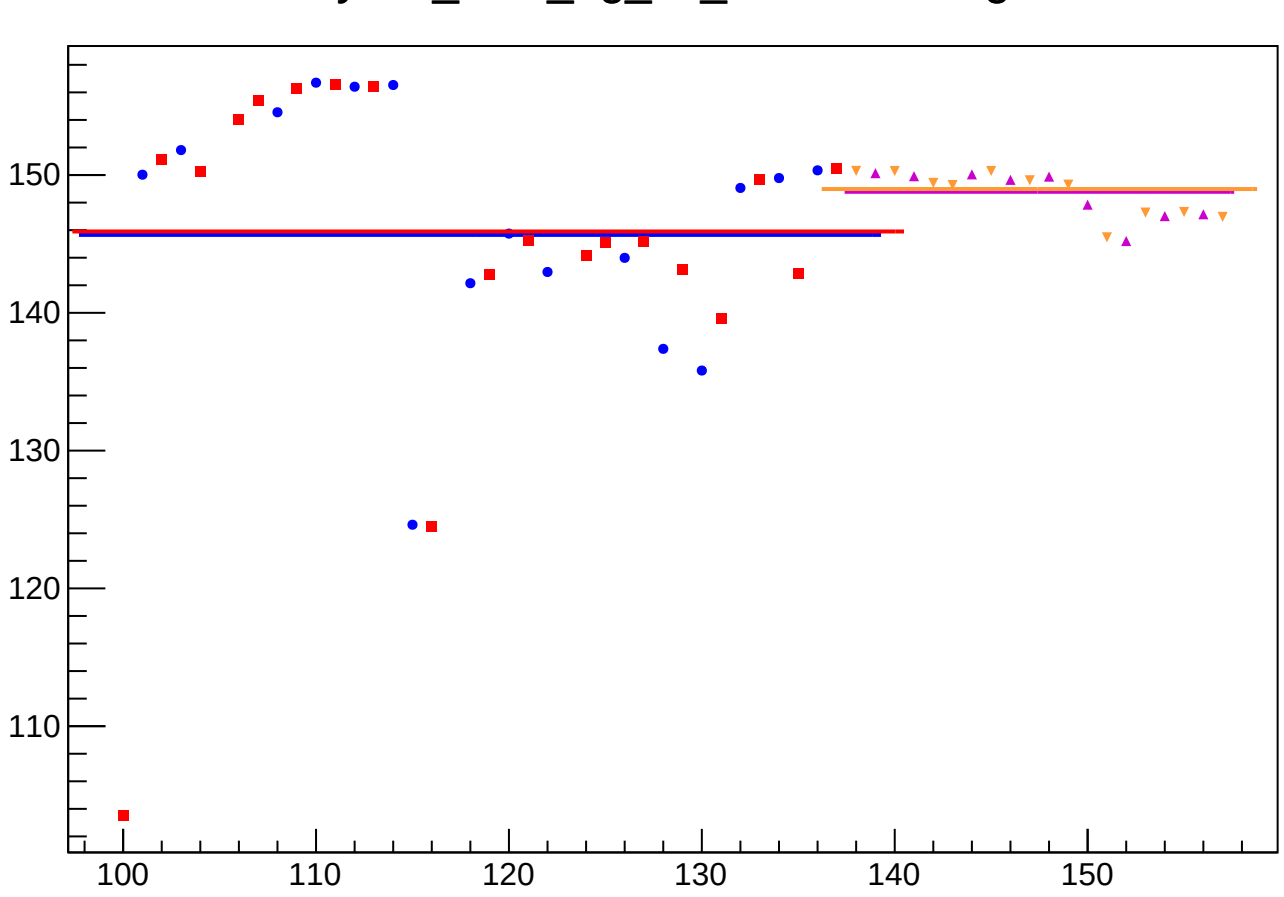
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.372+/-0.000 χ^2/NDF:628192.5/8

+ sign 0.342+/-0.000 χ^2/NDF: 2208865.2/26

All: 0.346+/-0.000 χ^2/NDF: 4246392.4/54

- sign 0.349+/-0.000 χ^2/NDF: 2032087.0/27



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.985+/-0.000 χ^2/NDF:119535750.6/10

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

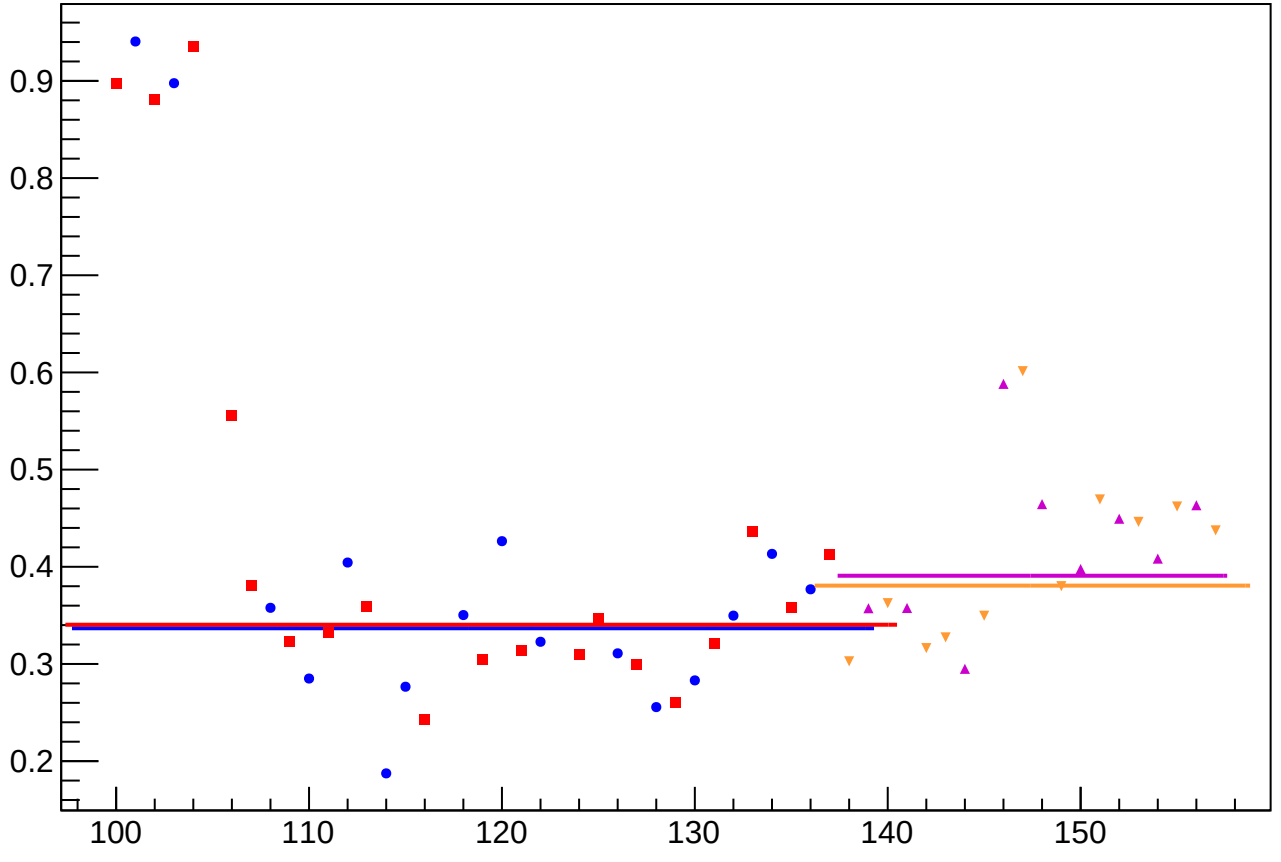
Left In: 148.785+/-0.000 χ^2/NDF:123683400.3/8

+ sign 147.356+/-0.000 χ^2/NDF: 3897610586.8/26

All: 147.314+/-0.000 χ^2/NDF: 8091394043.2

- sign 147.269+/-0.000 χ^2/NDF: 4193390631.9/27

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.381+/-0.000 χ^2/NDF:560955.8/10

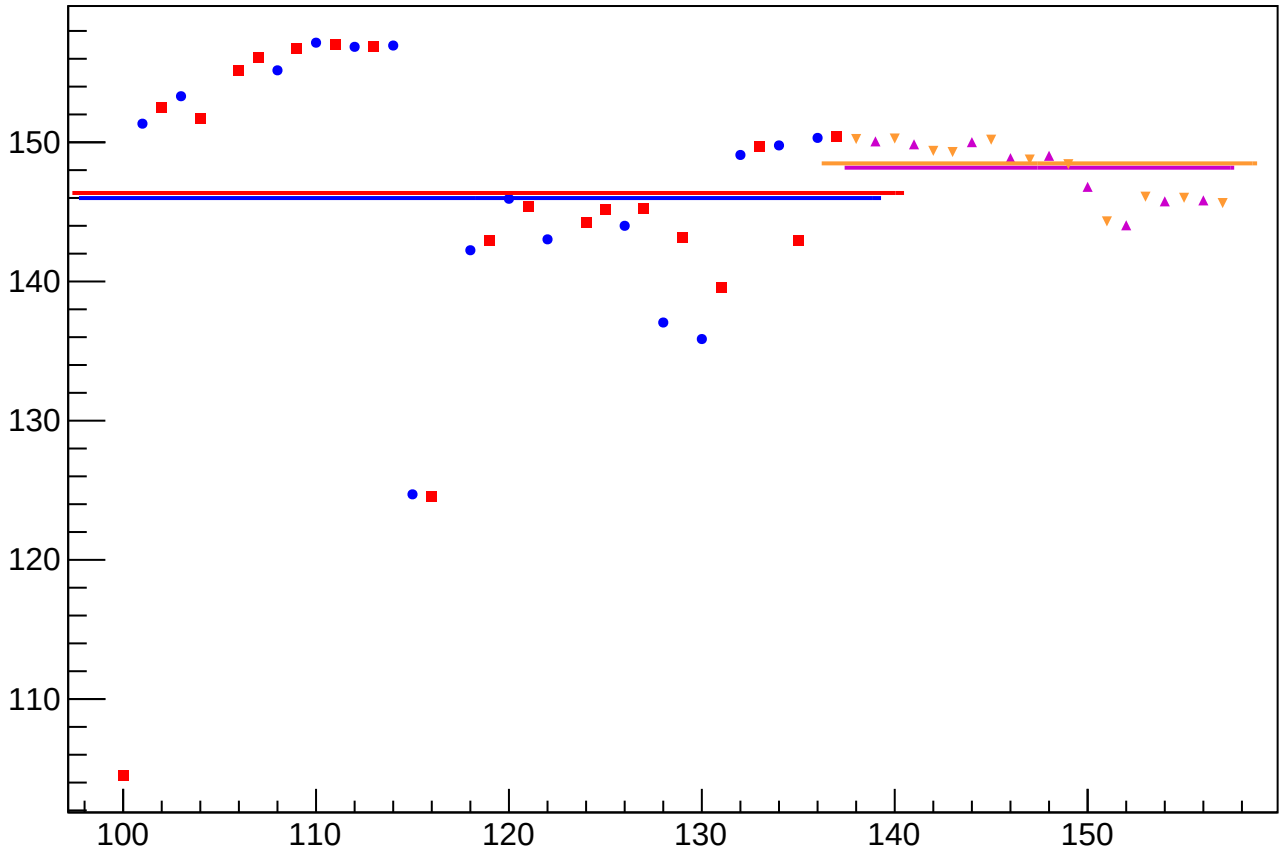
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.391+/-0.000 χ^2/NDF:508659.9/8

+ sign 0.359+/-0.000 χ^2/NDF: 2034590.5/26

All: 0.362+/-0.000 χ^2/NDF: 3947248.9/54

- sign 0.364+/-0.000 χ^2/NDF: 1909959.6/27



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.485+/-0.000 χ^2/NDF:209815196.7/10

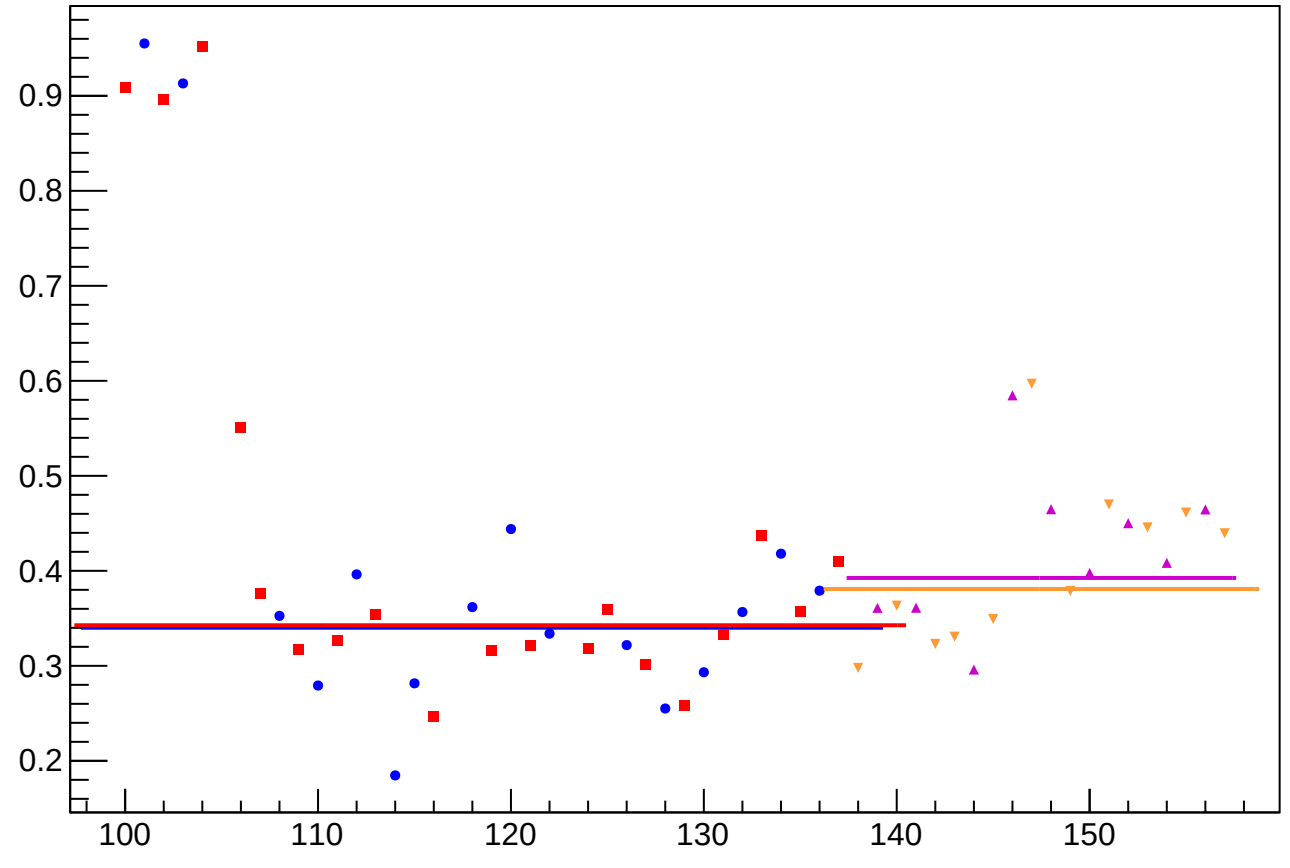
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 148.176+/-0.000 χ^2/NDF:205789542.8/8

+ sign 147.278+/-0.000 χ^2/NDF: 3995578485.3/26

All: 147.251+/-0.000 χ^2/NDF: 8245846256.1

- sign 147.222+/-0.000 χ^2/NDF: 4250108100.6/27



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.381+/-0.000 χ^2/NDF:558169.4/10

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

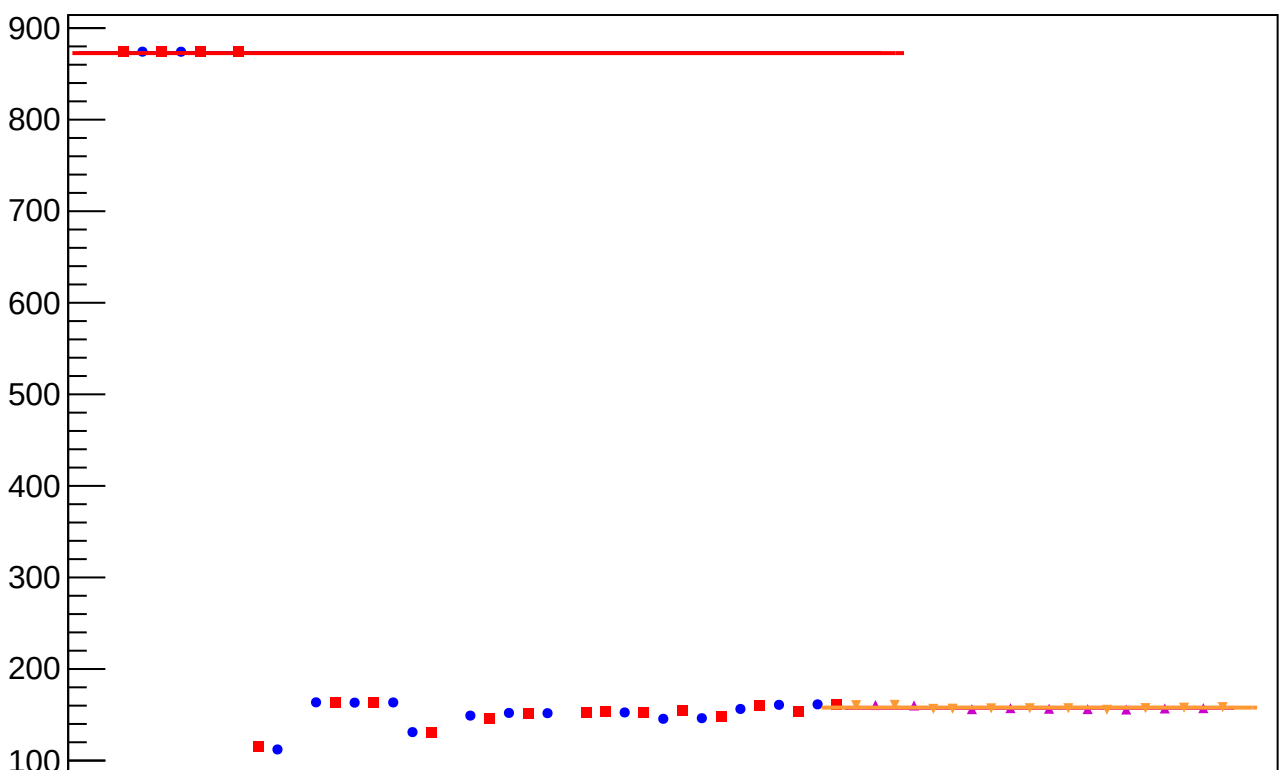
Left In: 0.393+/-0.000 χ^2/NDF:492748.5/8

+ sign 0.361+/-0.000 χ^2/NDF: 2038983.9/26

All: 0.364+/-0.000 χ^2/NDF: 3927270.4/54

- sign 0.366+/-0.000 χ^2/NDF: 1885489.3/27

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.869+/-0.000 χ^2/NDF:40989878.8/10

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

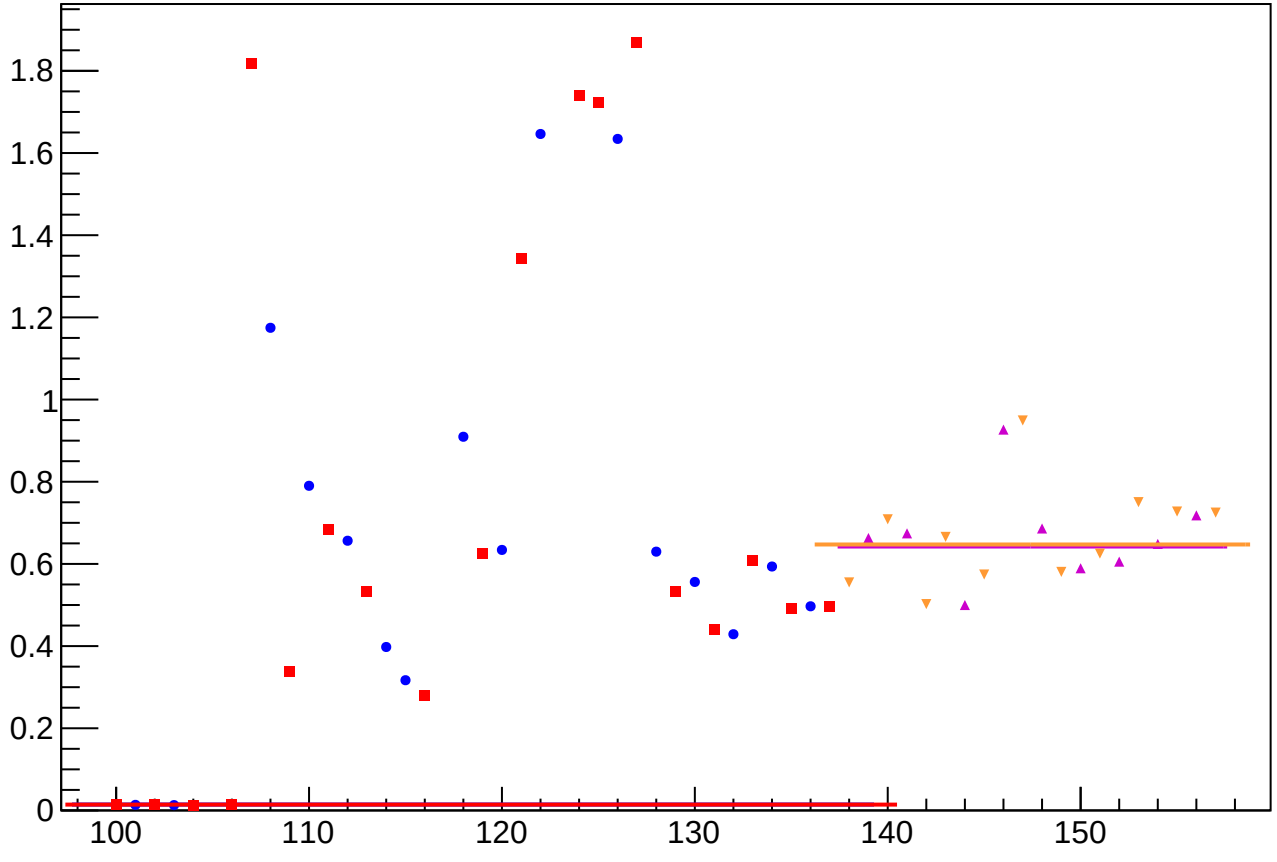
Left In: 157.470+/-0.000 χ^2/NDF:39571988.1/8

+ sign 871.489+/-0.000 χ^2/NDF: 13978821724299.

All: 871.544+/-0.000 χ^2/NDF: 29516787323

- sign 871.591+/-0.000 χ^2/NDF: 15537926427428.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.647+/-0.000 χ^2/NDF:269525.8/10

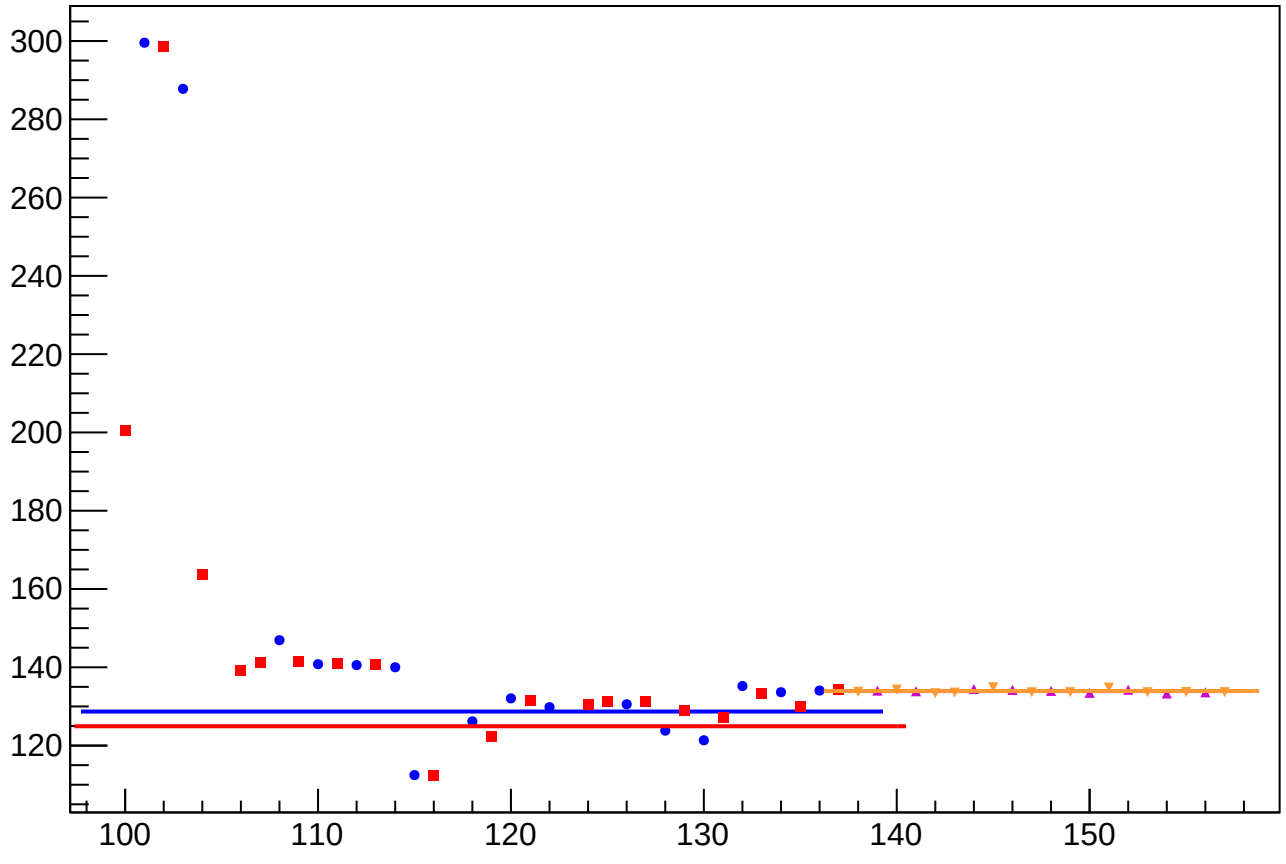
Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.642+/-0.000 χ^2/NDF:217095.0/8

+ sign 0.016+/-0.000 χ^2/NDF: 20529551.8/26

All: 0.015+/-0.000 χ^2/NDF: 39983695.8/54

- sign 0.015+/-0.000 χ^2/NDF: 19453111.2/27



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.940+/-0.000 χ^2/NDF:10123061.3/10

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

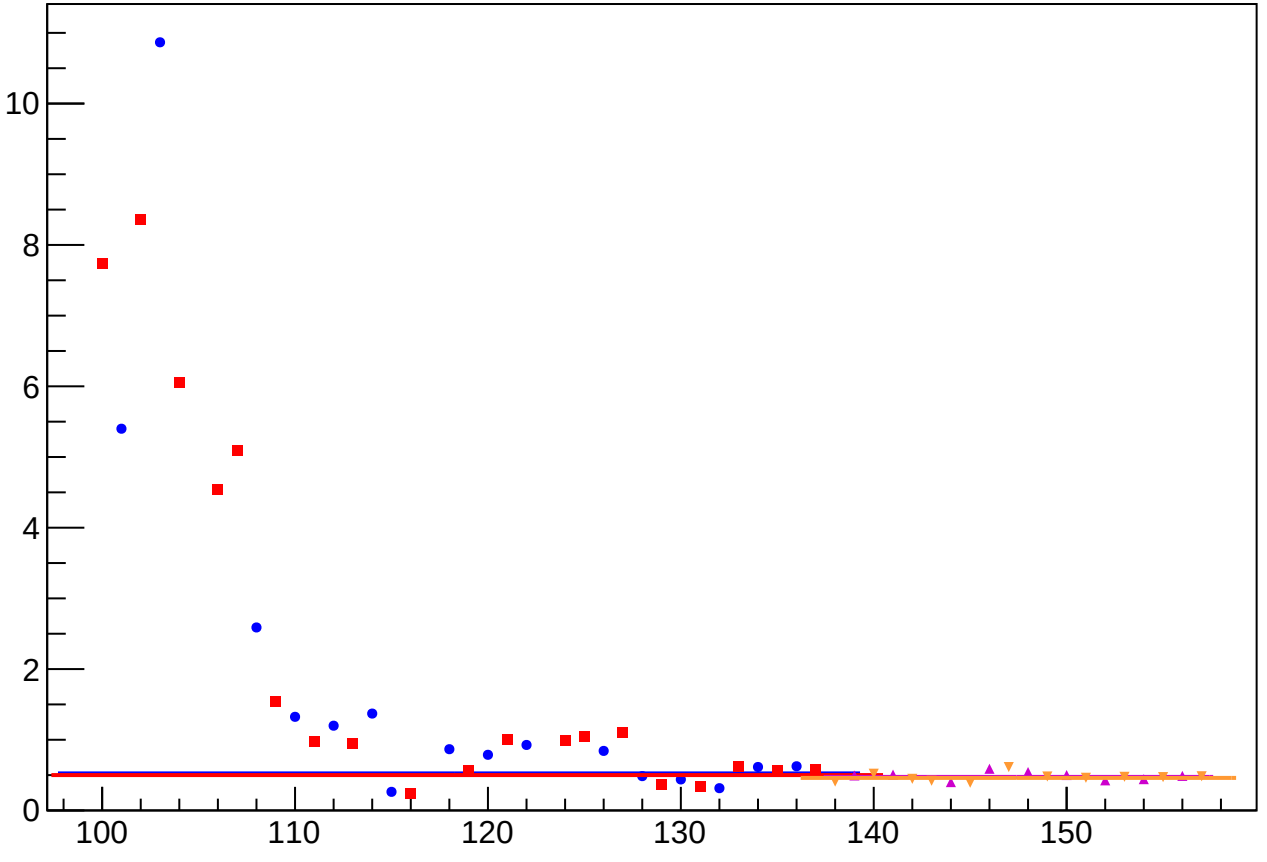
Left In: 133.928+/-0.000 χ^2/NDF:4686378.3/8

+ sign 132.479+/-0.000 χ^2/NDF: 1930926290.9/26

All: 131.790+/-0.000 χ^2/NDF: 4150536529.7

- sign 131.031+/-0.000 χ^2/NDF: 2171746338.4/27

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.460+/-0.000 χ^2/NDF:189280.7/10

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

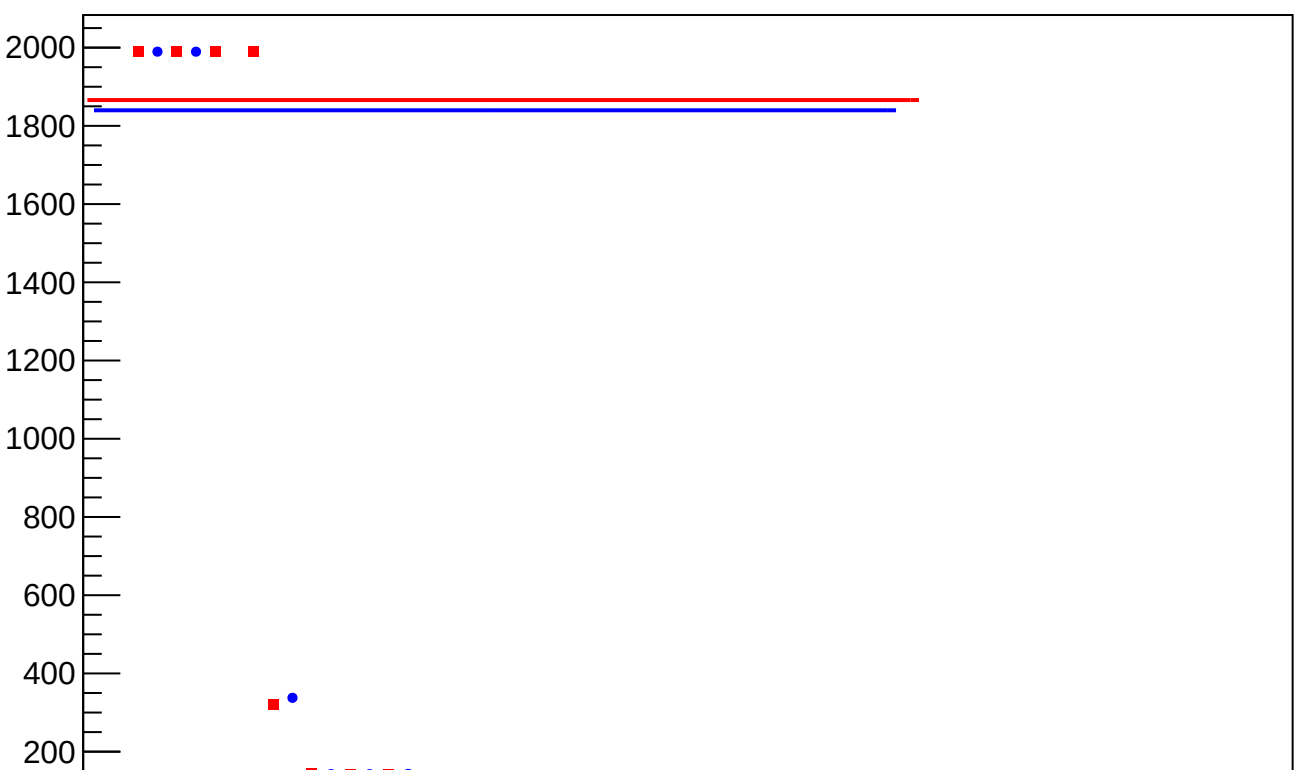
Left In: 0.474+/-0.000 χ^2/NDF:183479.6/8

+ sign 0.478+/-0.000 χ^2/NDF: 4405612.9/26

All: 0.480+/-0.000 χ^2/NDF: 9487153.6/54

- sign 0.483+/-0.000 χ^2/NDF: 5080550.4/27

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.364+/-0.000 χ^2/NDF:20752700.2/10

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

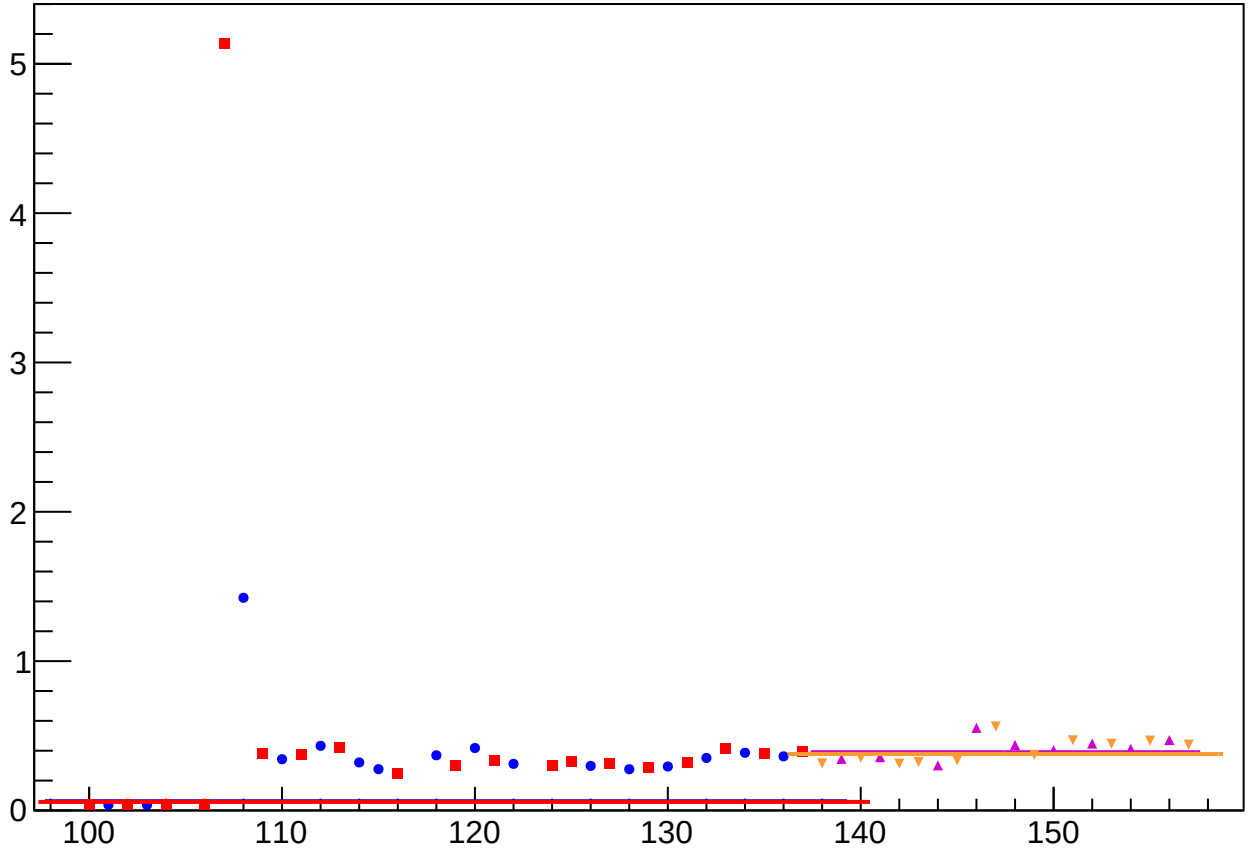
Left In: 137.385+/-0.000 χ^2/NDF:7465634.4/8

+ sign 1686.933+/-0.000 χ^2/NDF: 2943225142066

All: 1720.353+/-0.000 χ^2/NDF: 5722628764

- sign 1749.683+/-0.000 χ^2/NDF: 27662634018069

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.378+/-0.000 χ^2/NDF:525055.7/10

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

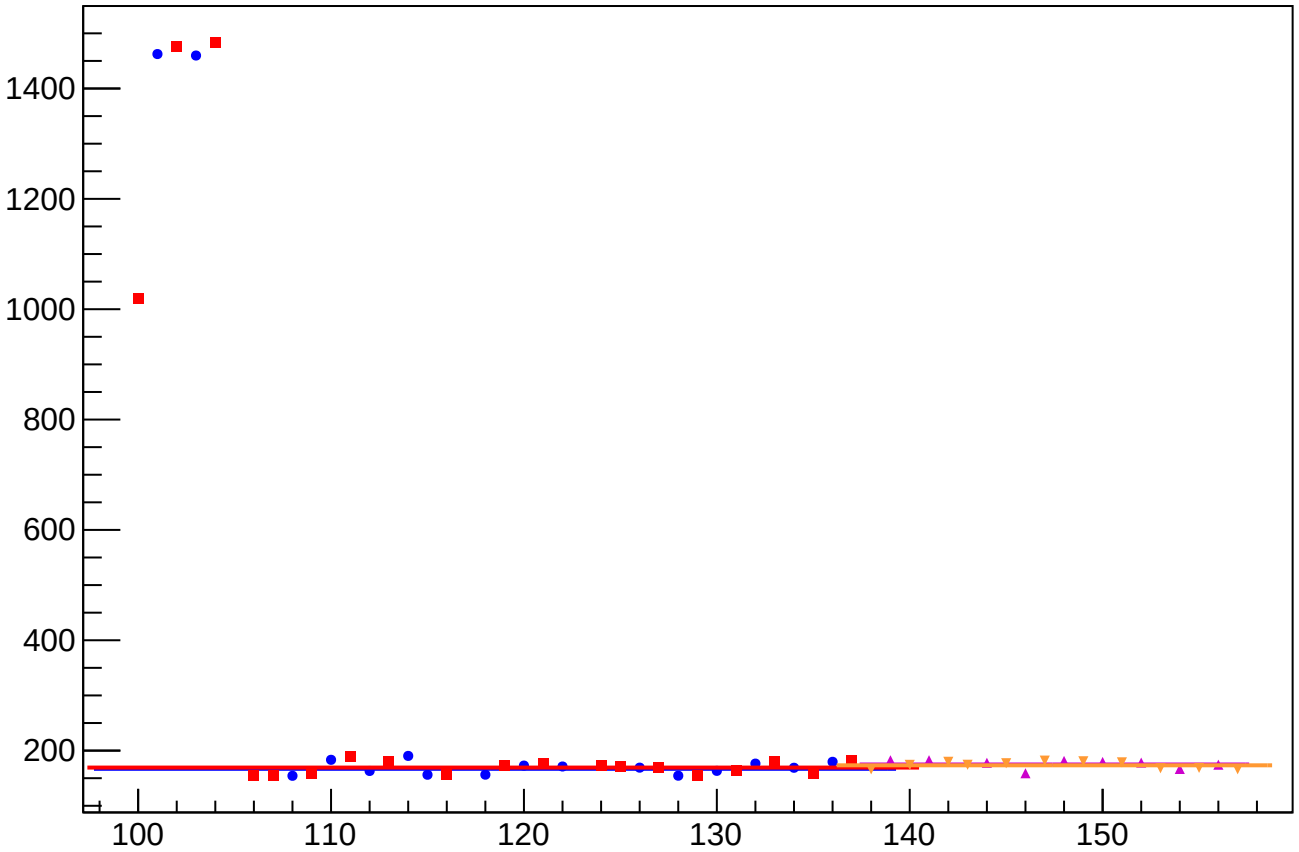
Left In: 0.390+/-0.000 χ^2/NDF:438491.3/8

+ sign 0.090+/-0.000 χ^2/NDF: 18933689.6/26

All: 0.085+/-0.000 χ^2/NDF: 37107227.5/54

- sign 0.080+/-0.000 χ^2/NDF: 18100169.7/27

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.356+/-0.000 χ^2/NDF:257946600.8/10

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

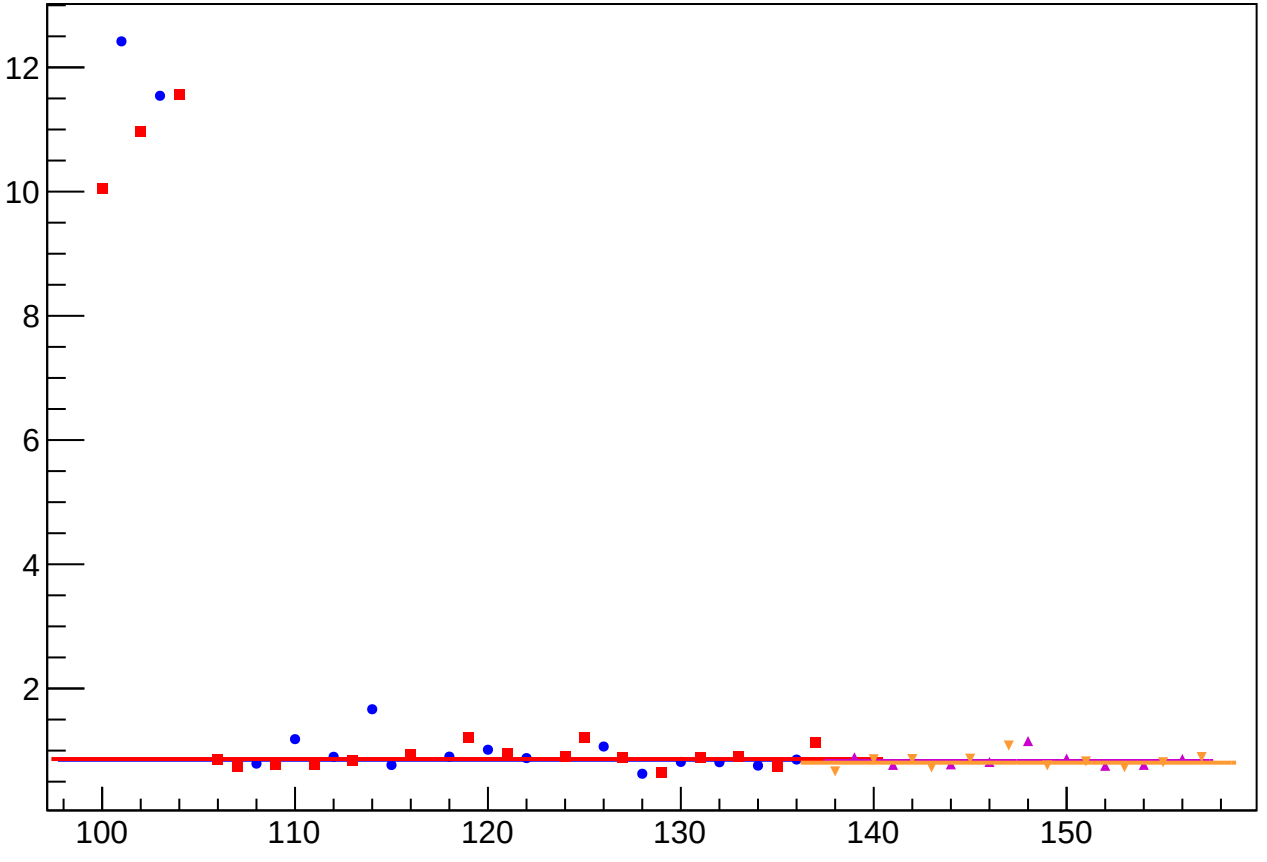
Left In: 174.860+/-0.000 χ^2/NDF:436419387.7/8

+ sign 170.815+/-0.000 χ^2/NDF: 15000429029.0/26

All: 171.576+/-0.000 χ^2/NDF: 31865865492.

- sign 172.390+/-0.000 χ^2/NDF: 16849603158.1/27

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.806+/-0.000 χ^2/NDF:155869.5/10

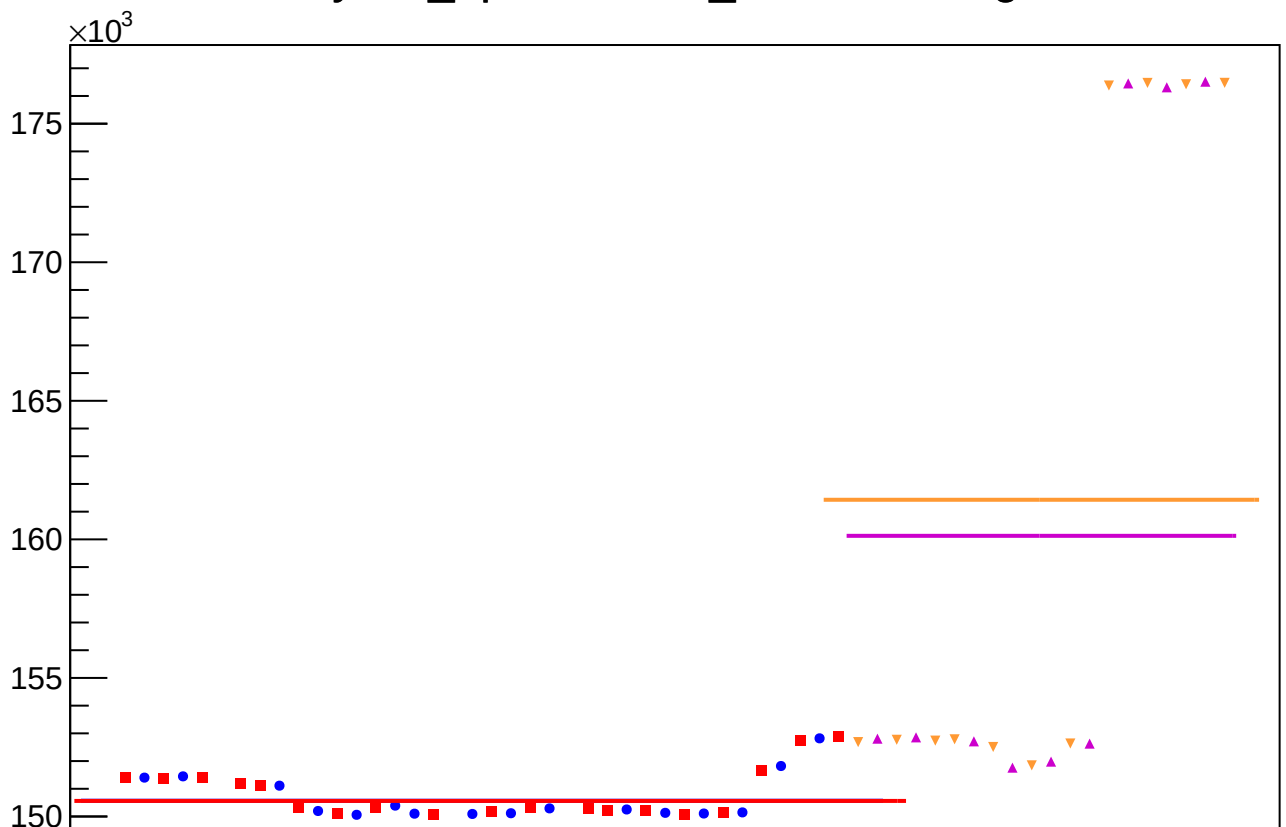
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.833+/-0.000 χ^2/NDF:131197.3/8

+ sign 0.825+/-0.000 χ^2/NDF: 2472354.6/26

All: 0.835+/-0.000 χ^2/NDF: 4825049.2/54

- sign 0.847+/-0.000 χ^2/NDF: 2346532.6/27



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 161429.102+/-0.061 χ^2/NDF:36026306952.4/10

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

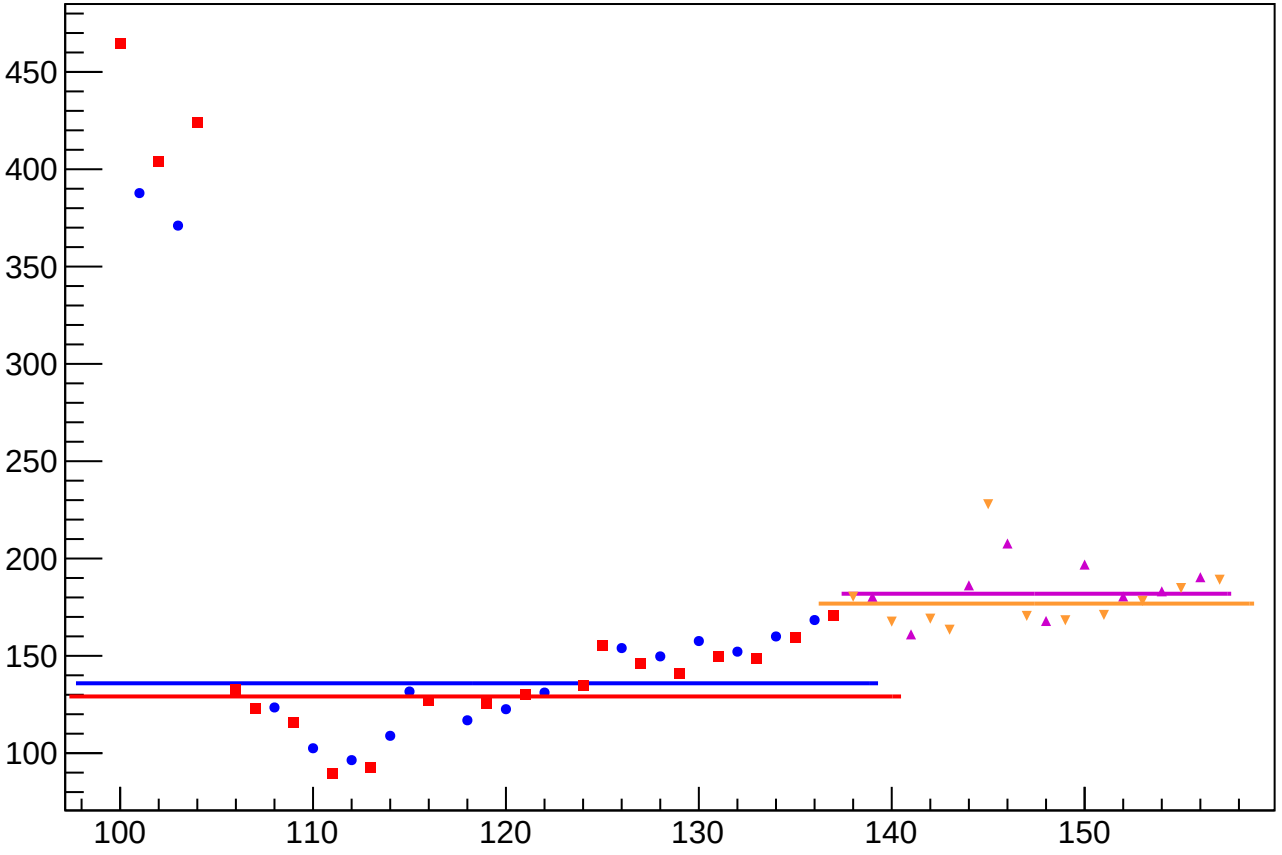
Left In: 160127.944+/-0.066 χ^2/NDF:28838093995.0/8

+ sign 155417.899+/-0.041 χ^2/NDF: 53922620447.1

All: 154780.961+/-0.029 χ^2/NDF: 96670196

- sign 154154.744+/-0.040 χ^2/NDF: 42260174439.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

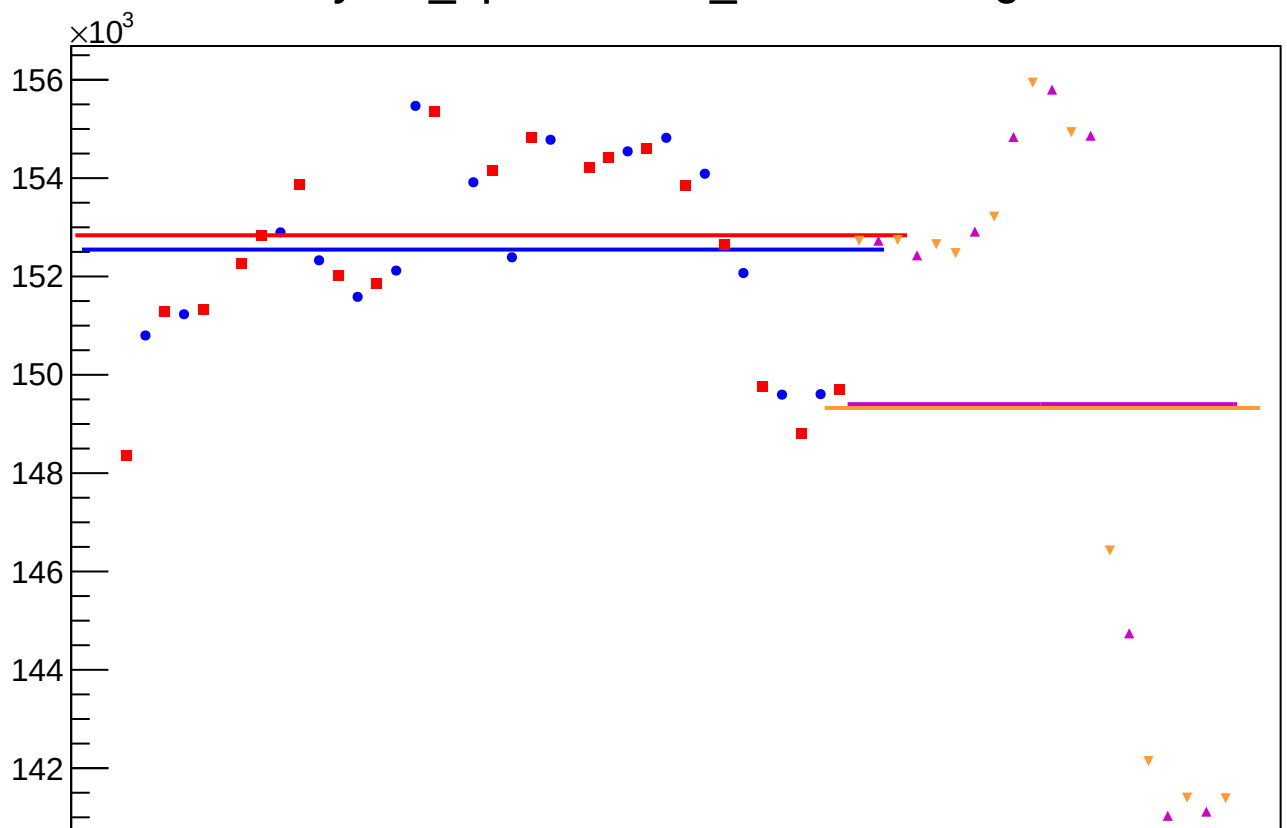
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.910+/-0.046 χ^2/NDF:82504.0/8

+ sign 154.177+/-0.029 χ^2/NDF: 2035677.0/26

All: 151.544+/-0.020 χ^2/NDF: 4554273.6/54

- sign 148.955+/-0.028 χ^2/NDF: 2501934.1/27



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

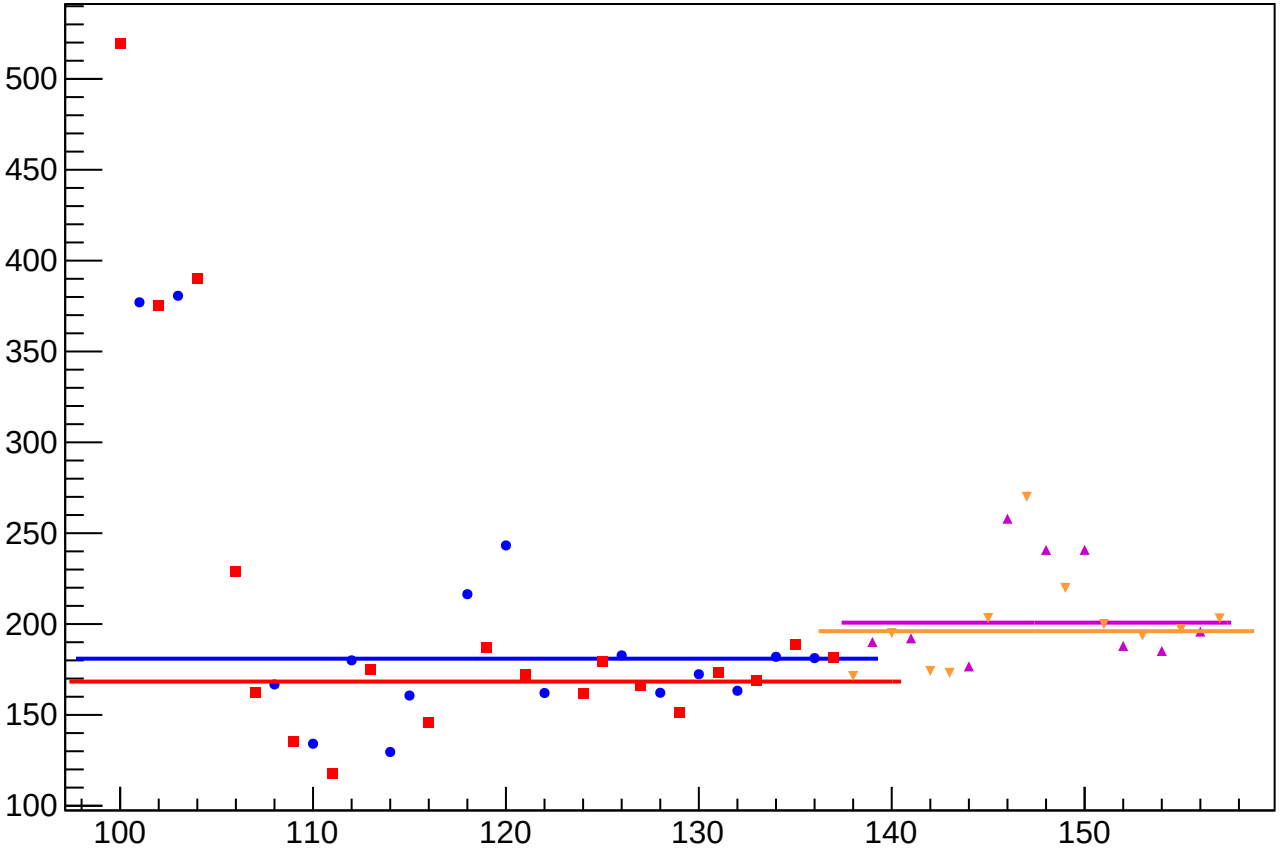
Left In: 149403.378+/-0.073 χ^2/NDF:5927217524.8/8

+ sign 150827.896+/-0.050 χ^2/NDF: 7794445628.8

All: 151055.394+/-0.035 χ^2/NDF: 15704840

- sign 151280.061+/-0.049 χ^2/NDF: 7868199645.1/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

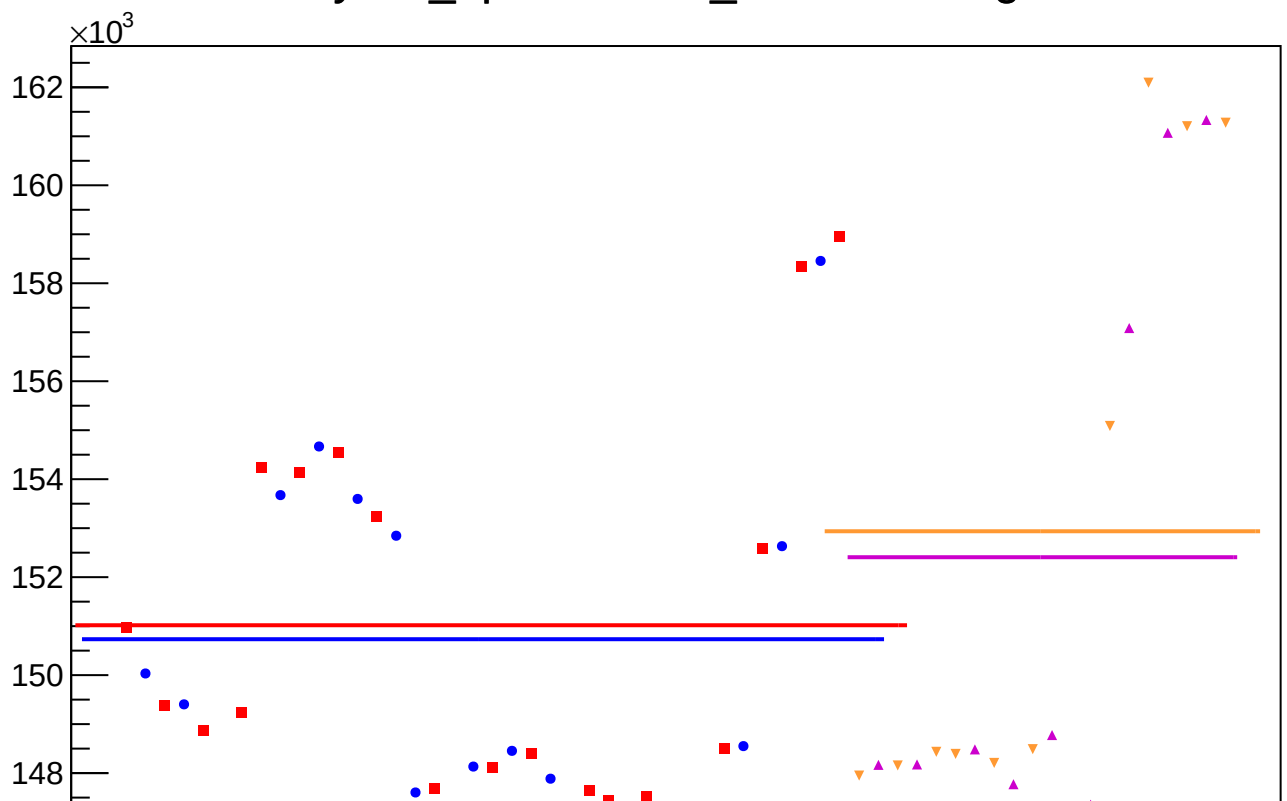
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.780+/-0.052 χ^2/NDF:242345.4/8

\+ sign 189.016+/-0.035 χ^2/NDF: 1173677.4/26

All: 186.019+/-0.025 χ^2/NDF: 2734351.9/54

\- sign 183.059+/-0.035 χ^2/NDF: 1546150.4/27



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 152937.199+/-0.065 χ^2/NDF:8678007273.3/10

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

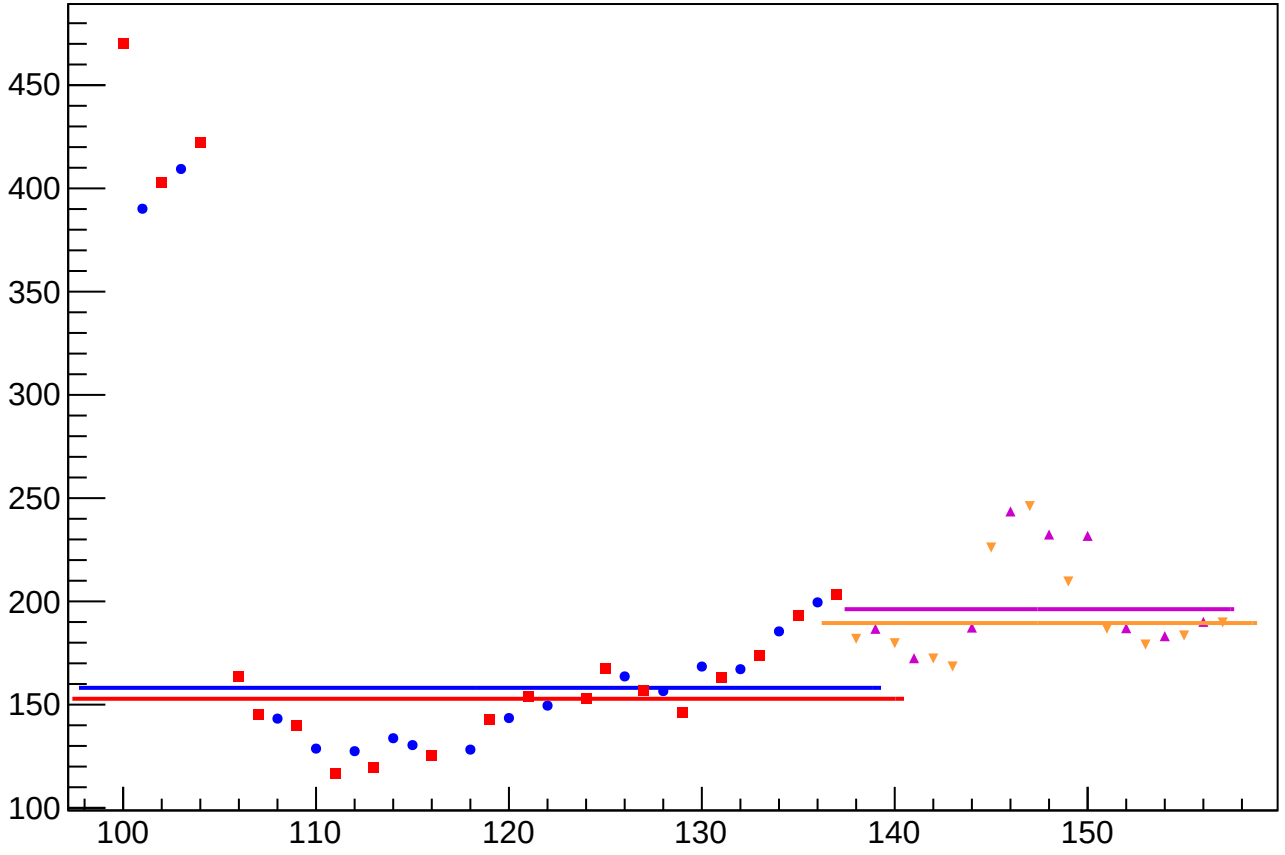
Left In: 152407.162+/-0.071 χ^2/NDF:6509043477.7/8

+ sign 151793.534+/-0.045 χ^2/NDF: 12552477678.

All: 151696.016+/-0.032 χ^2/NDF: 225793662

- sign 151595.936+/-0.046 χ^2/NDF: 10017502787.2

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.513+/-0.046 χ^2/NDF:192560.7/10

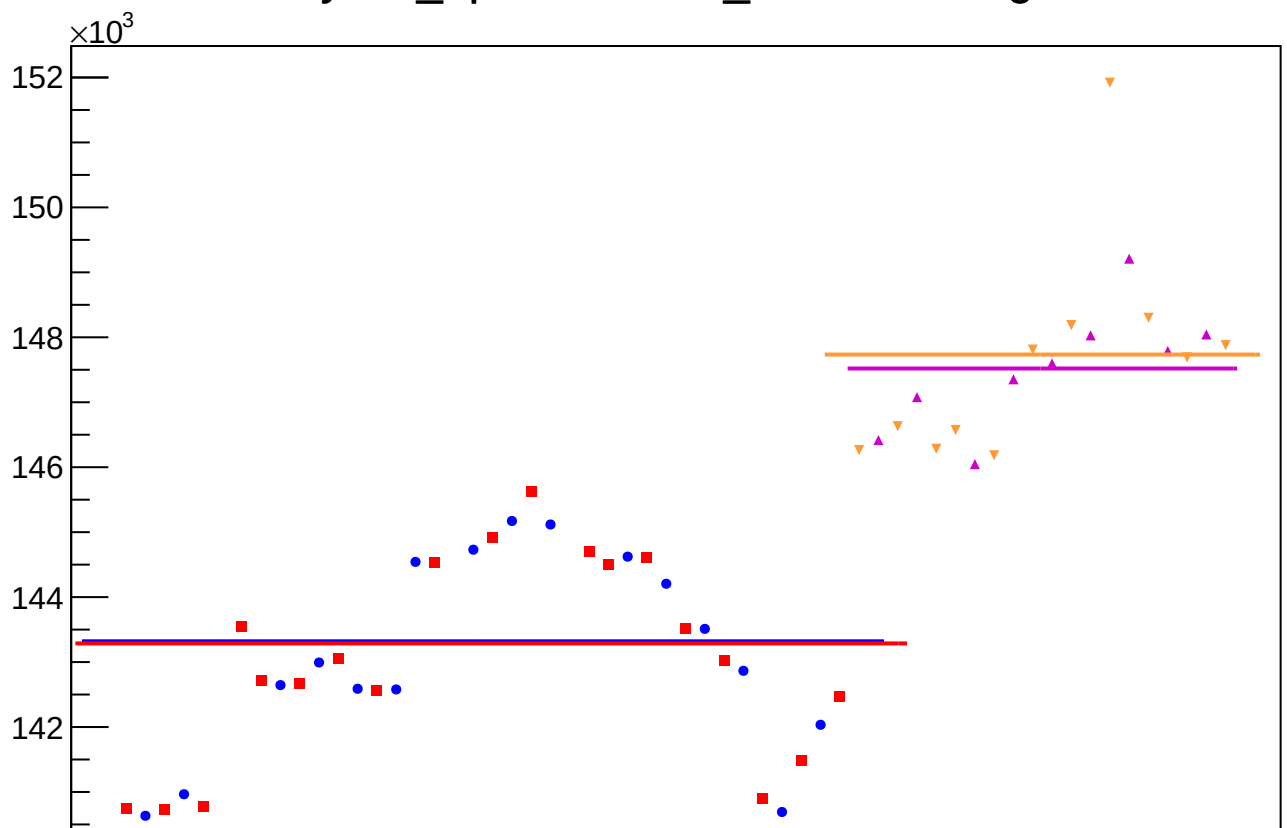
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 196.227+/-0.050 χ^2/NDF:204283.2/8

+ sign 173.232+/-0.032 χ^2/NDF: 1627664.5/26

All: 172.072+/-0.023 χ^2/NDF: 3532877.3/54

- sign 170.882+/-0.032 χ^2/NDF: 1902558.8/27



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147734.107+/-0.062 χ^2/NDF:669295053.2/10

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

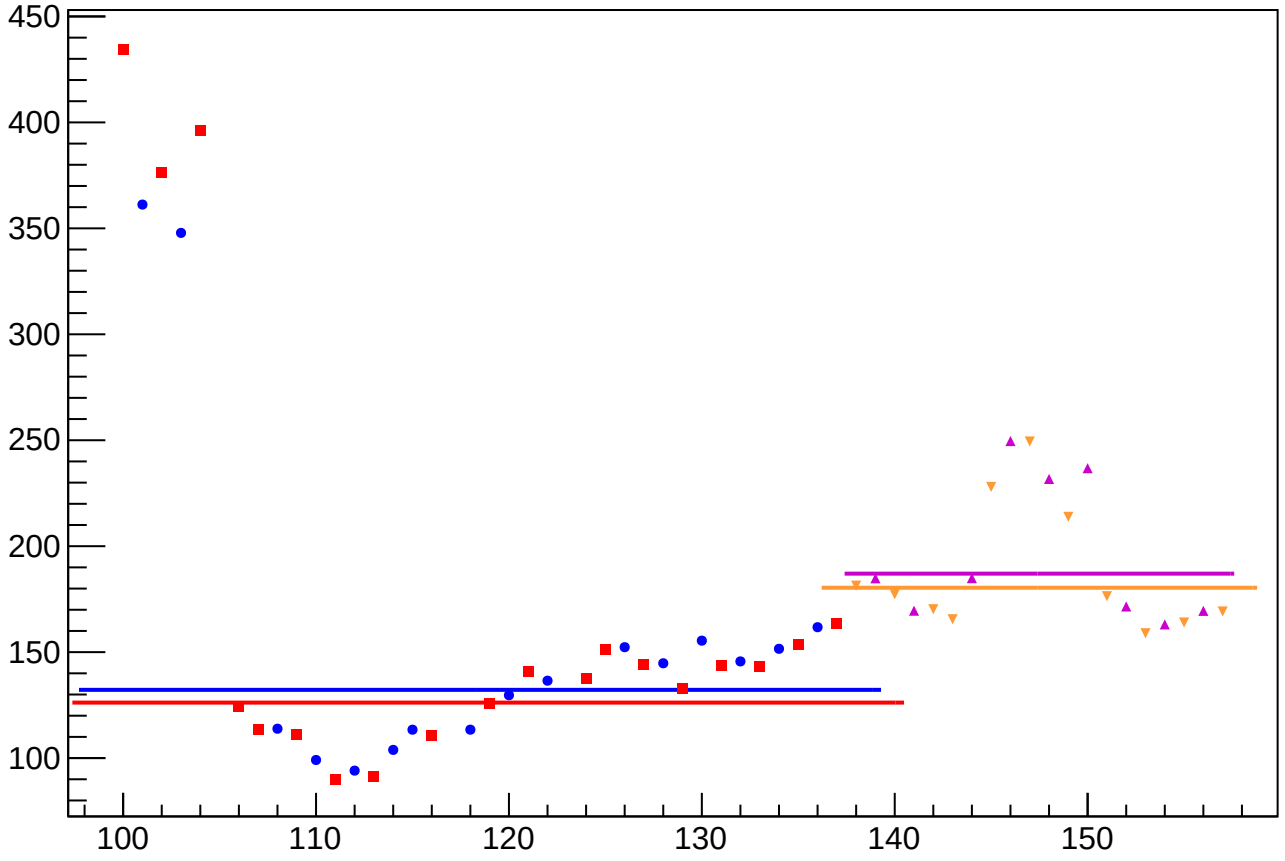
Left In: 147519.607+/-0.068 χ^2/NDF:188297275.1/8

+ sign 145172.785+/-0.040 χ^2/NDF: 4127259163.1

All: 144962.126+/-0.029 χ^2/NDF: 75038713

- sign 144754.472+/-0.040 χ^2/NDF: 3322796819.7/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 180.394+/-0.044 χ^2/NDF:305451.8/10

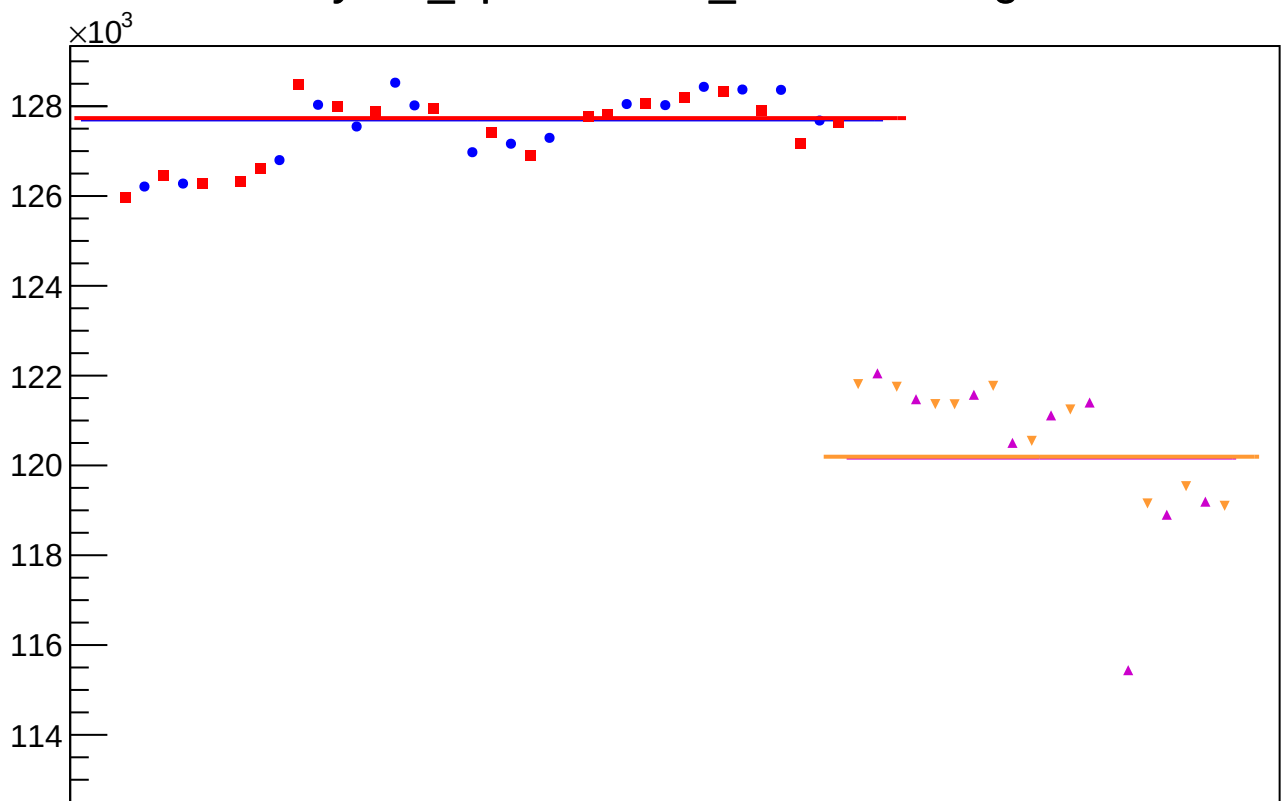
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 187.045+/-0.048 χ^2/NDF:336314.3/8

+ sign 152.433+/-0.029 χ^2/NDF: 2375456.3/26

All: 149.843+/-0.020 χ^2/NDF: 5312383.7/54

- sign 147.290+/-0.028 χ^2/NDF: 2920655.0/27



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120194.299+/-0.060 χ^2/NDF:1719841963.1/10

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

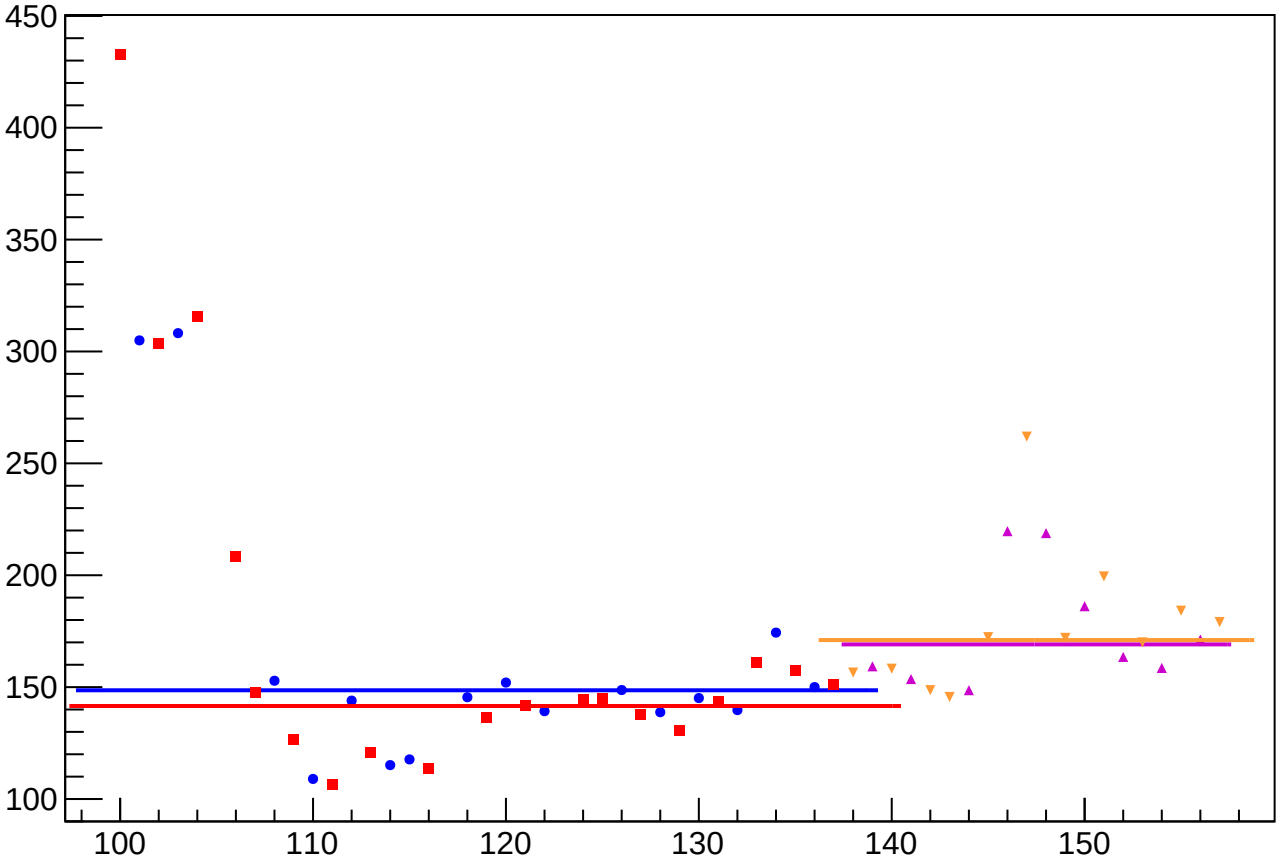
Left In: 120174.988+/-0.062 χ^2/NDF:1085999441.0/8

+ sign 124039.030+/-0.042 χ^2/NDF: 9893721948.9

All: 124227.448+/-0.029 χ^2/NDF: 19464440

- sign 124409.653+/-0.041 χ^2/NDF: 9530741426.4/

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 171.033+/-0.042 χ^2/NDF:329970.5/10

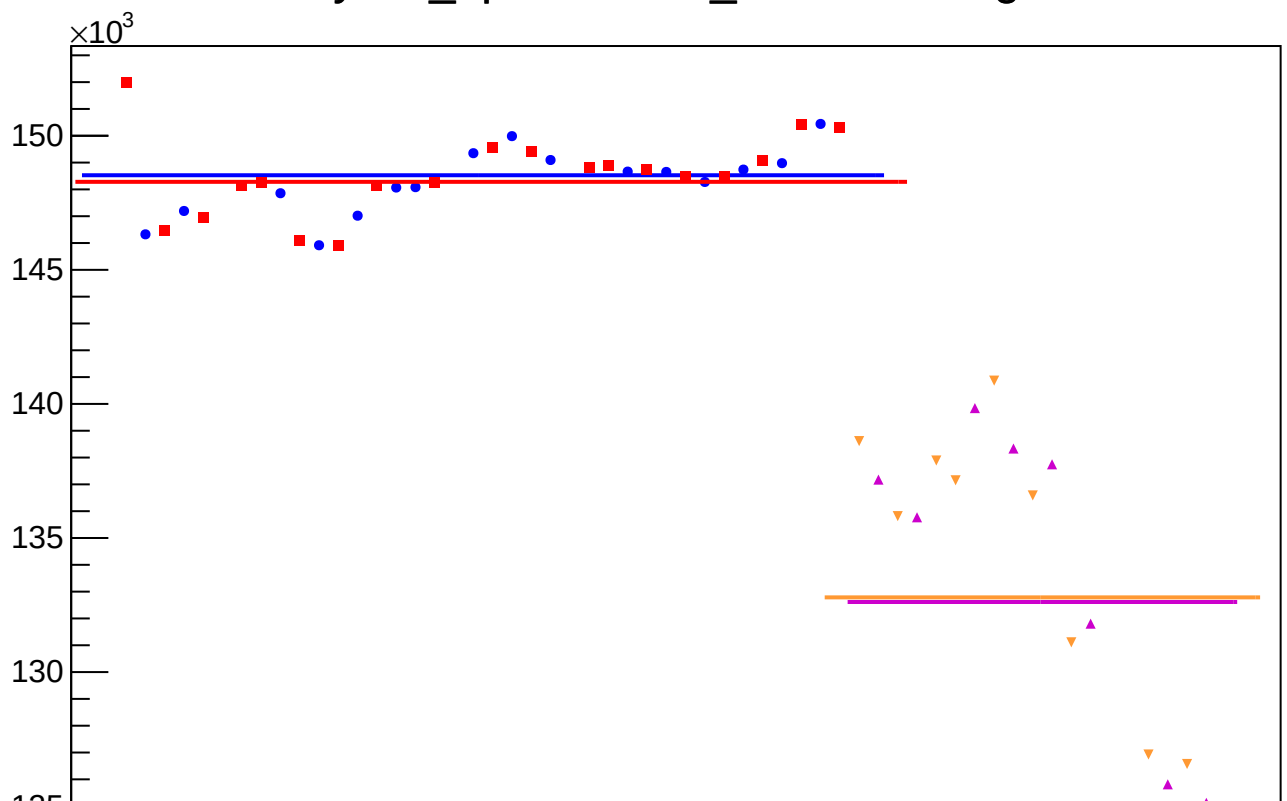
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 169.095+/-0.044 χ^2/NDF:255647.7/8

+ sign 159.546+/-0.030 χ^2/NDF: 1301723.3/26

All: 156.560+/-0.021 χ^2/NDF: 2799805.7/54

- sign 153.672+/-0.029 χ^2/NDF: 1478000.8/27



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 132785.809+/-0.088 χ^2/NDF:4181590728.1/10

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

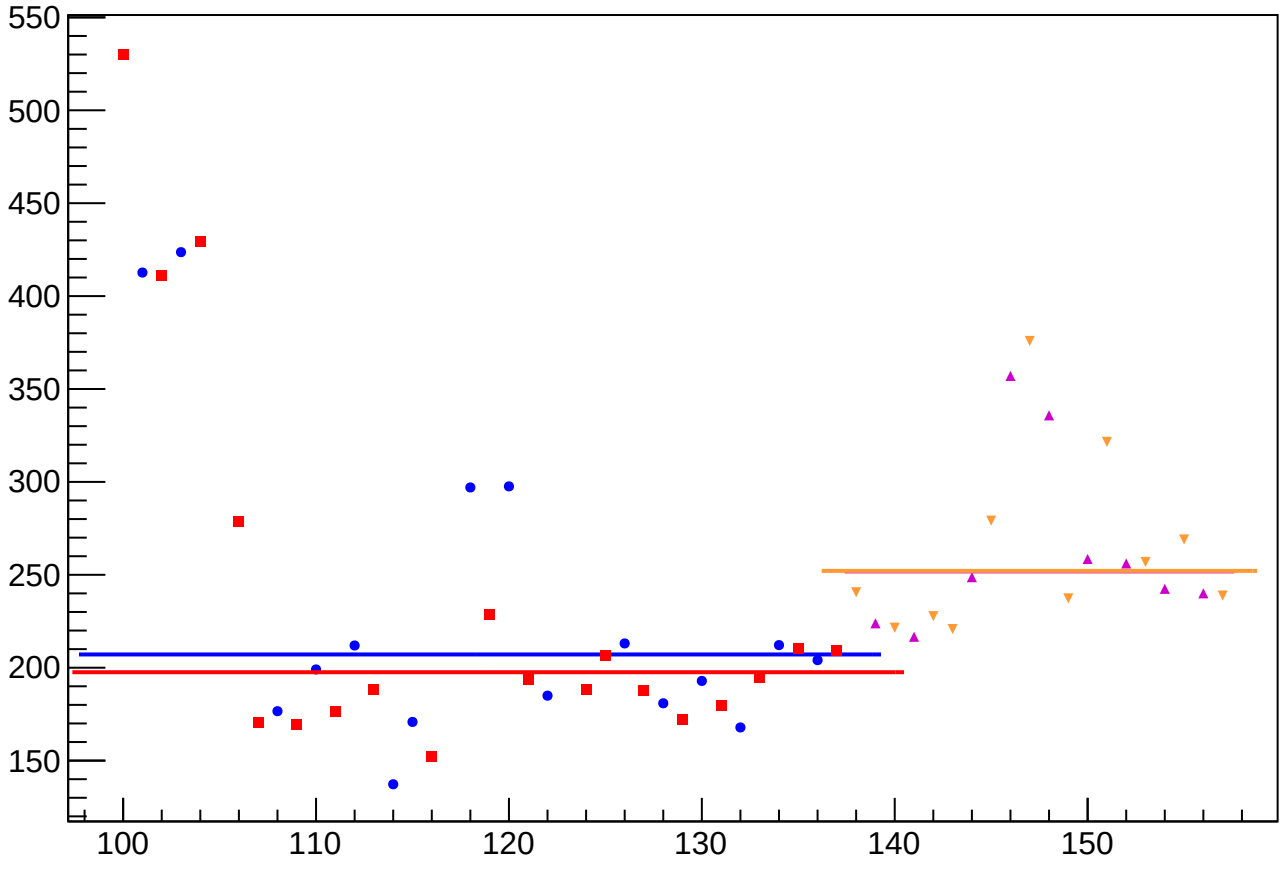
Left In: 132613.520+/-0.092 χ^2/NDF:3933404002.2/8

+ sign 141186.782+/-0.060 χ^2/NDF: 21602008434.

All: 141531.782+/-0.042 χ^2/NDF: 43027643

- sign 141865.418+/-0.059 χ^2/NDF: 21360293823.2

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 252.113+/-0.062 χ^2/NDF:361491.7/10

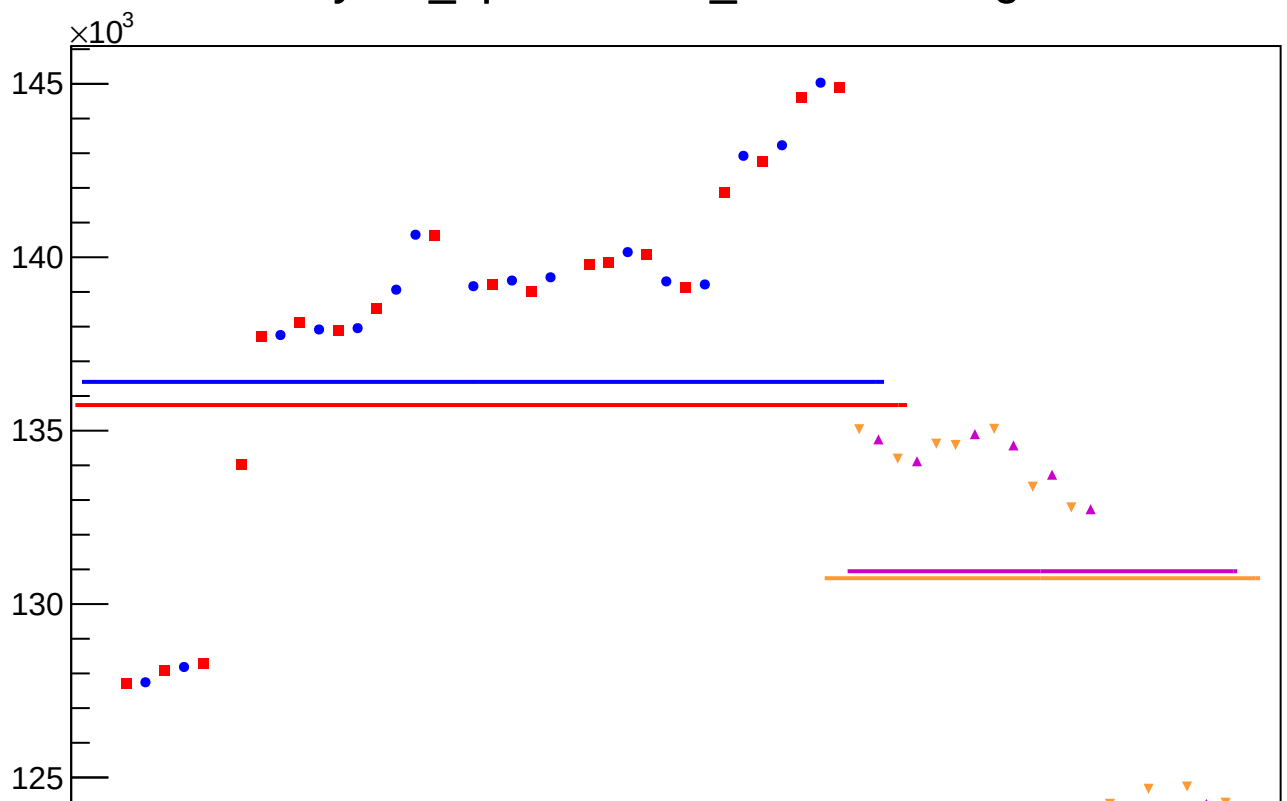
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 251.829+/-0.065 χ^2/NDF:333019.1/8

+ sign 228.109+/-0.042 χ^2/NDF: 1614719.0/26

All: 223.881+/-0.030 χ^2/NDF: 3282257.2/54

- sign 219.791+/-0.042 χ^2/NDF: 1647903.3/27



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 130745.409+/-0.194 χ^2/NDF:622483690.7/10

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

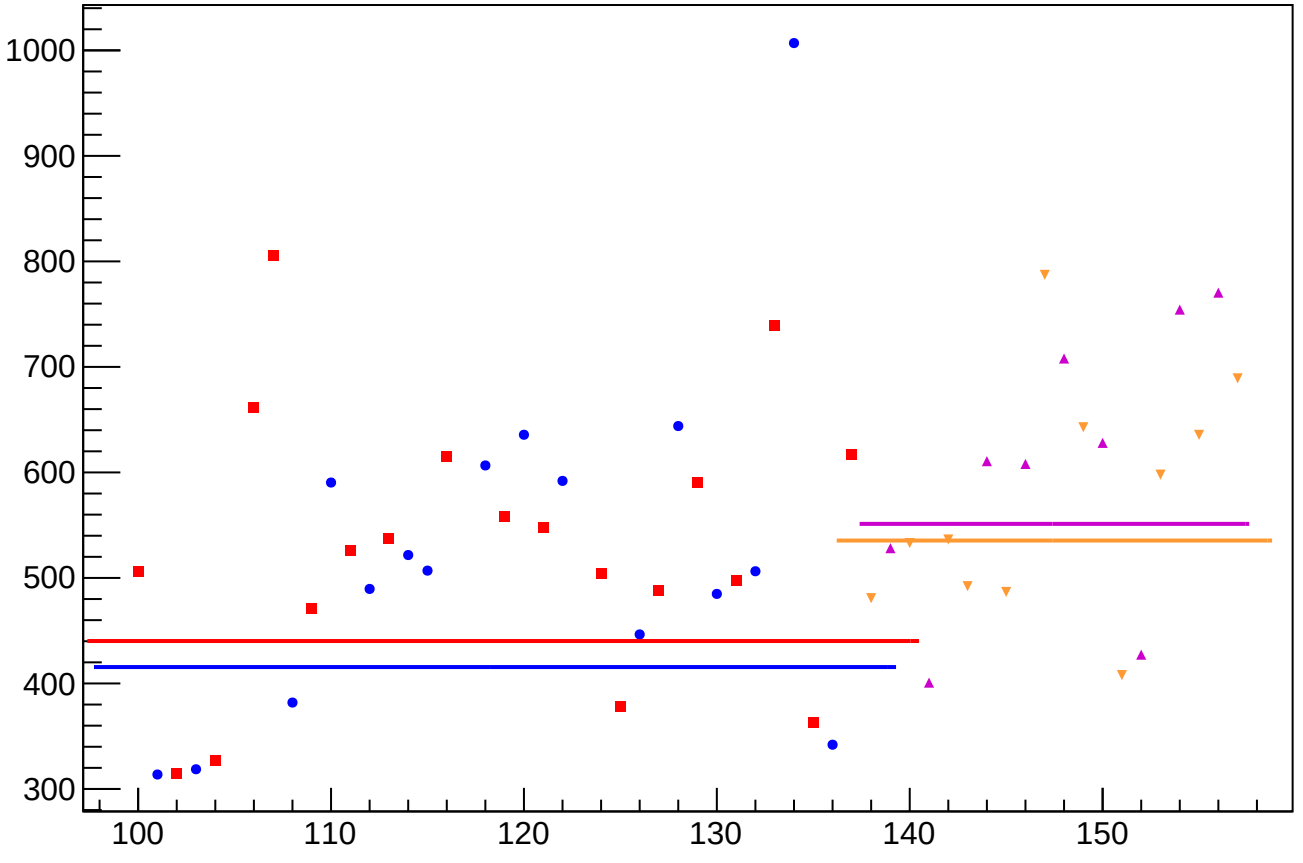
Left In: 130947.041+/-0.217 χ^2/NDF:482144600.3/8

+ sign 133976.413+/-0.127 χ^2/NDF: 2683770441.2

All: 133910.305+/-0.093 χ^2/NDF: 463301292

- sign 133833.654+/-0.137 χ^2/NDF: 1948660570.2/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 535.447+/-0.137 χ^2/NDF:503525.1/10

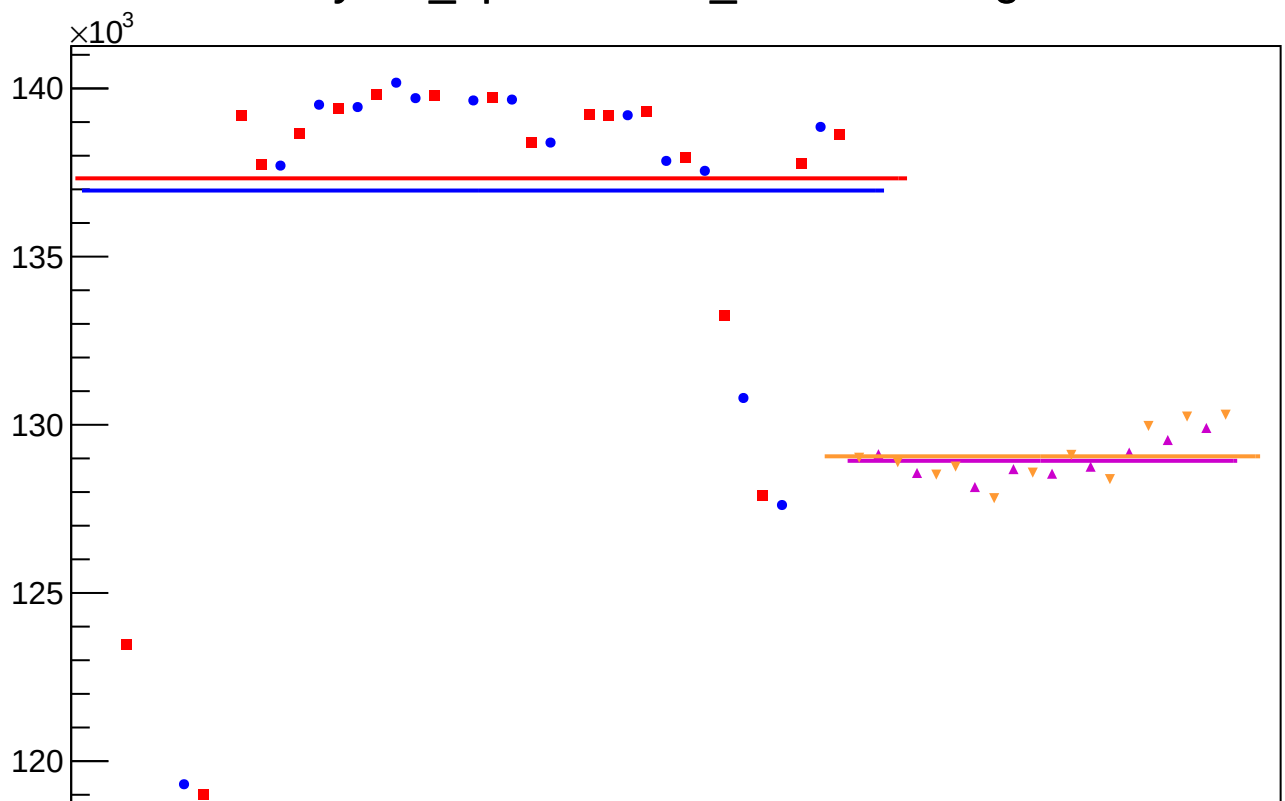
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 551.239+/-0.154 χ^2/NDF:668047.5/8

+ sign 467.021+/-0.090 χ^2/NDF: 1969474.5/26

All: 475.047+/-0.066 χ^2/NDF: 3879436.2/54

- sign 484.353+/-0.097 χ^2/NDF: 1892806.8/27



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129062.657+/-0.064 χ^2/NDF:135786900.1/10

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

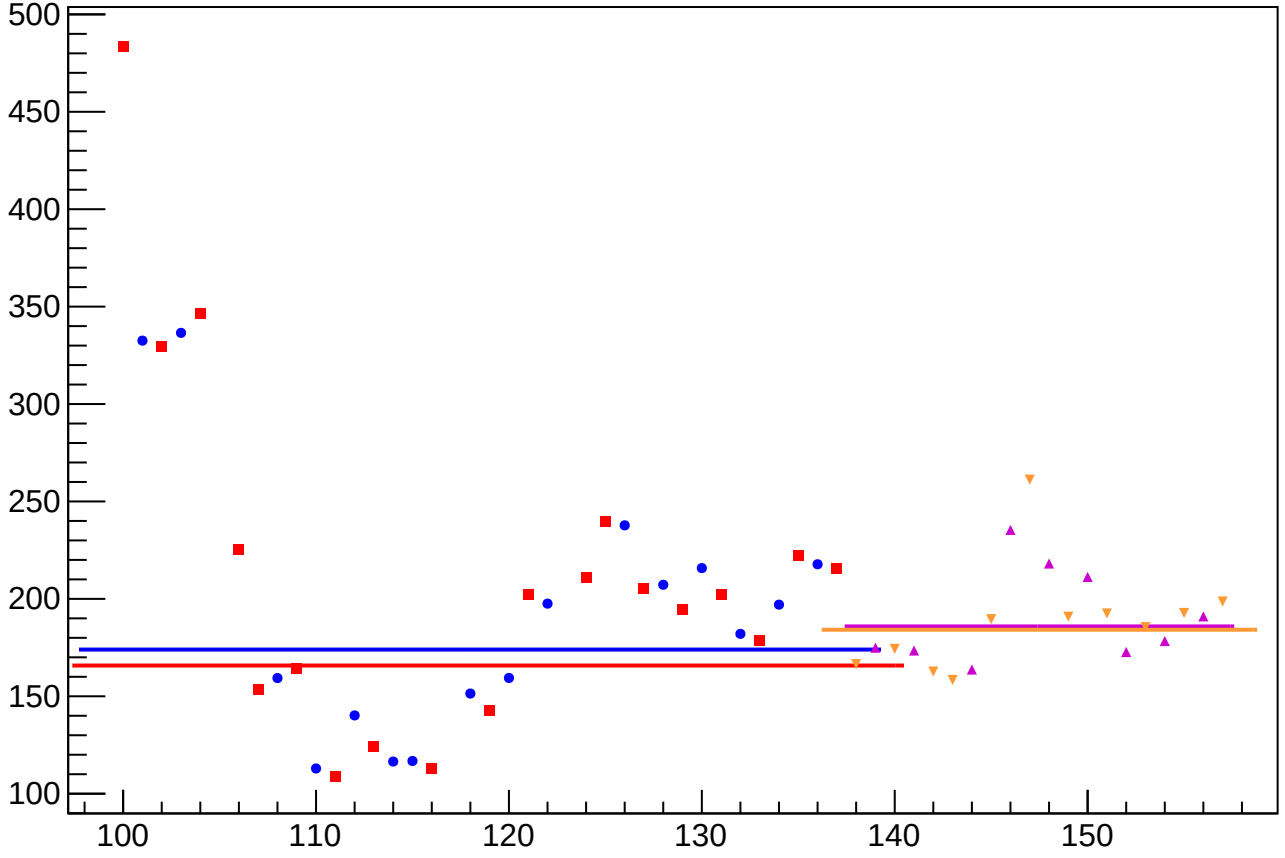
Left In: 128929.210+/-0.068 χ^2/NDF:61491016.9/8

+ sign 132666.726+/-0.047 χ^2/NDF: 12929699085.

All: 132961.551+/-0.033 χ^2/NDF: 26744992

- sign 133256.633+/-0.047 χ^2/NDF: 13736859367.6

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 184.157+/-0.045 χ^2/NDF:239441.6/10

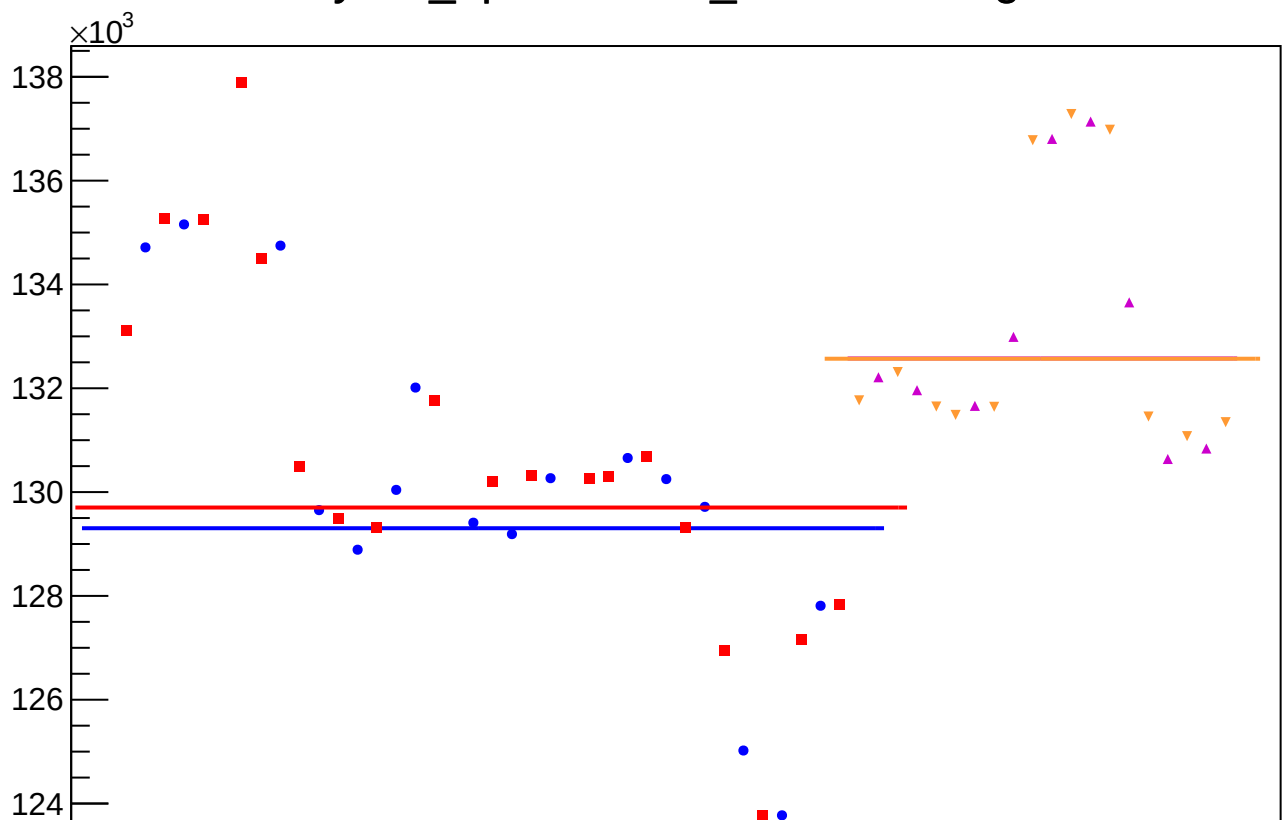
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.853+/-0.048 χ^2/NDF:200297.6/8

+ sign 179.516+/-0.033 χ^2/NDF: 1451102.4/26

All: 177.514+/-0.024 χ^2/NDF: 3182486.3/54

- sign 175.510+/-0.033 χ^2/NDF: 1724148.3/27



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132569.271+/-0.065 χ^2/NDF:1051133937.3/10

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

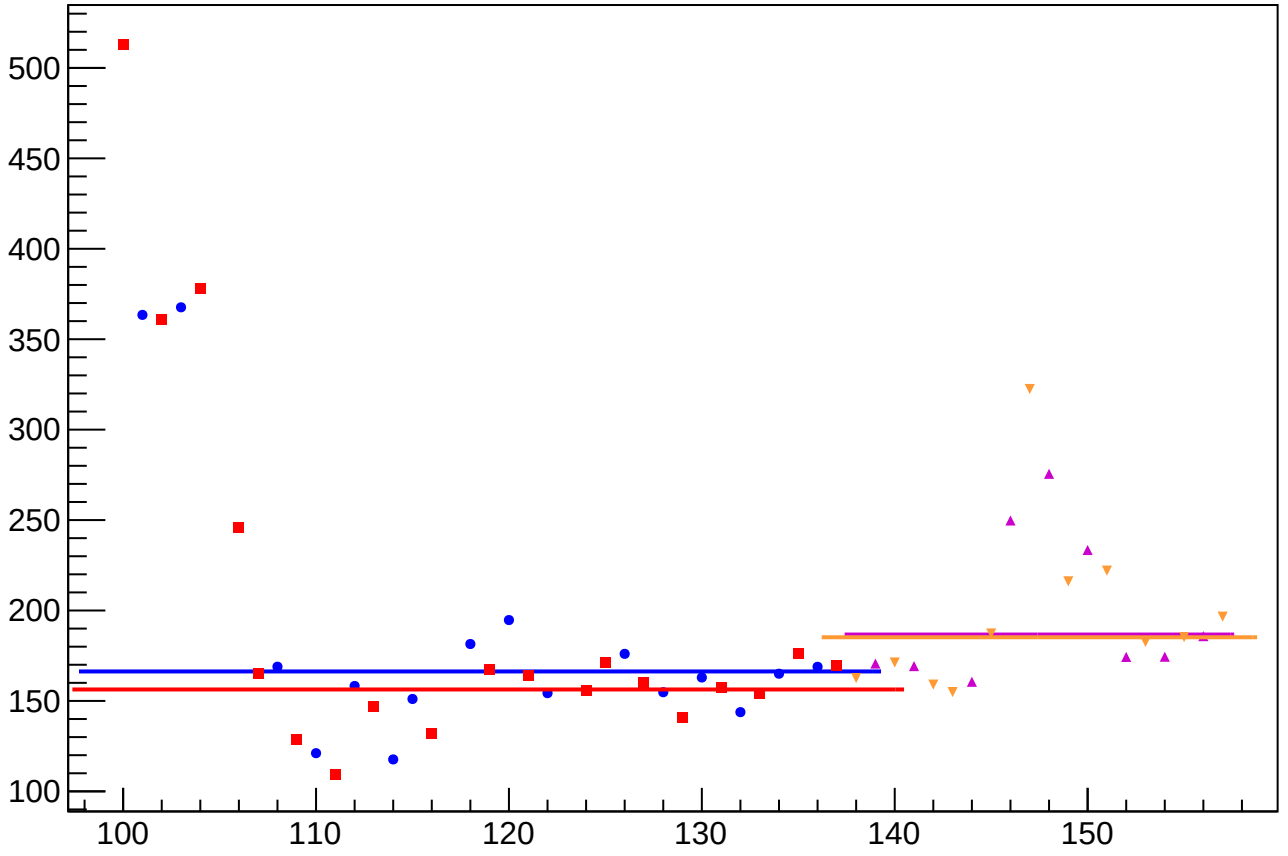
Left In: 132574.366+/-0.069 χ^2/NDF:779580287.0/8

+ sign 130968.428+/-0.046 χ^2/NDF: 3941584265.1

All: 130975.728+/-0.033 χ^2/NDF: 74696948

- sign 130982.859+/-0.046 χ^2/NDF: 3528061526.1/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 185.197+/-0.046 χ^2/NDF:502340.8/10

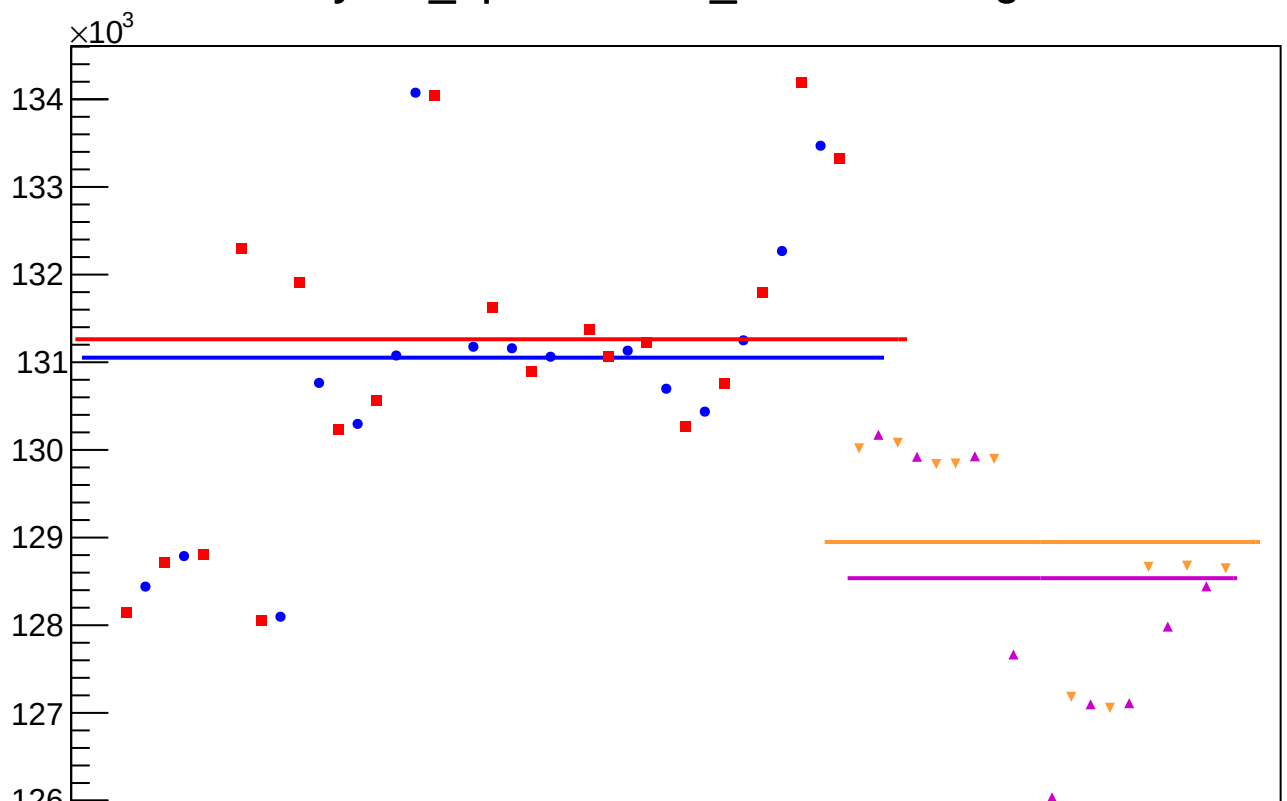
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.705+/-0.049 χ^2/NDF:446771.2/8

+ sign 175.934+/-0.033 χ^2/NDF: 1523342.2/26

All: 172.869+/-0.023 χ^2/NDF: 3377383.5/54

- sign 169.874+/-0.032 χ^2/NDF: 1836747.1/27



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128949.370+/-0.061 χ^2/NDF:405547724.5/10

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

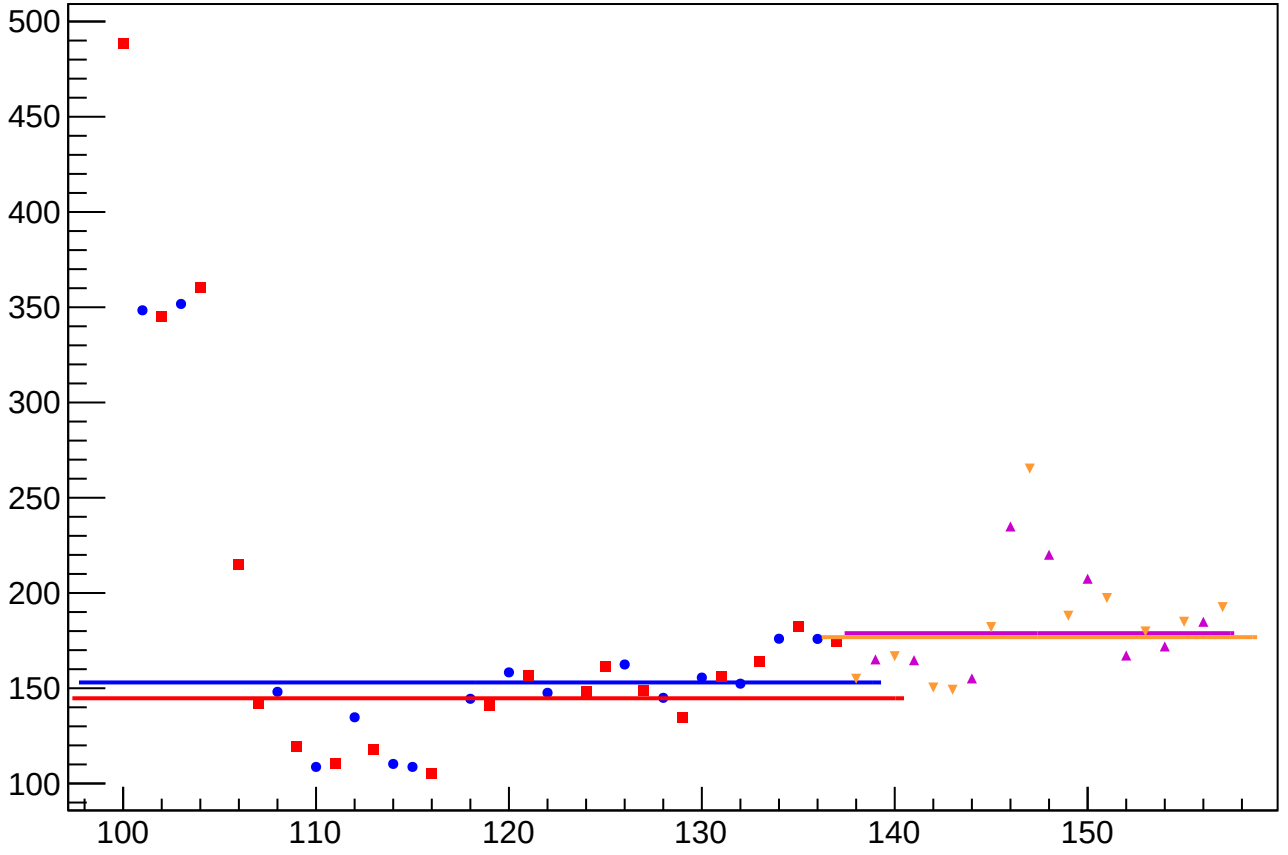
Left In: 128536.851+/-0.065 χ^2/NDF:443383459.9/8

+ sign 130015.213+/-0.043 χ^2/NDF: 1522448792.3

All: 130053.314+/-0.030 χ^2/NDF: 3566027

- sign 130090.741+/-0.043 χ^2/NDF: 2042034835.7/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 176.810+/-0.043 χ^2/NDF:338038.2/10

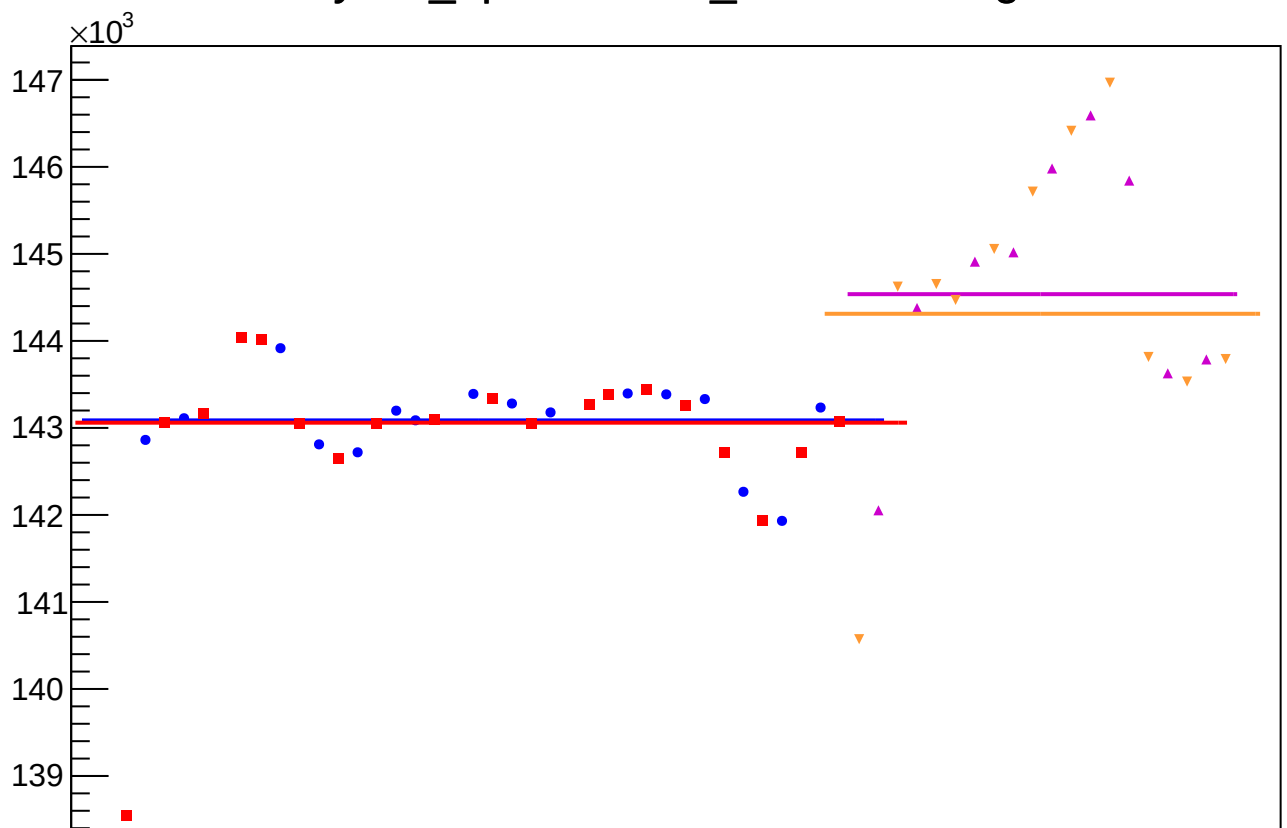
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 178.903+/-0.046 χ^2/NDF:268389.9/8

+ sign 164.765+/-0.031 χ^2/NDF: 1549035.7/26

All: 162.068+/-0.021 χ^2/NDF: 3408984.1/54

- sign 159.420+/-0.030 χ^2/NDF: 1844482.2/27



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144311.684+/-0.072 χ^2/NDF:566663109.1/10

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

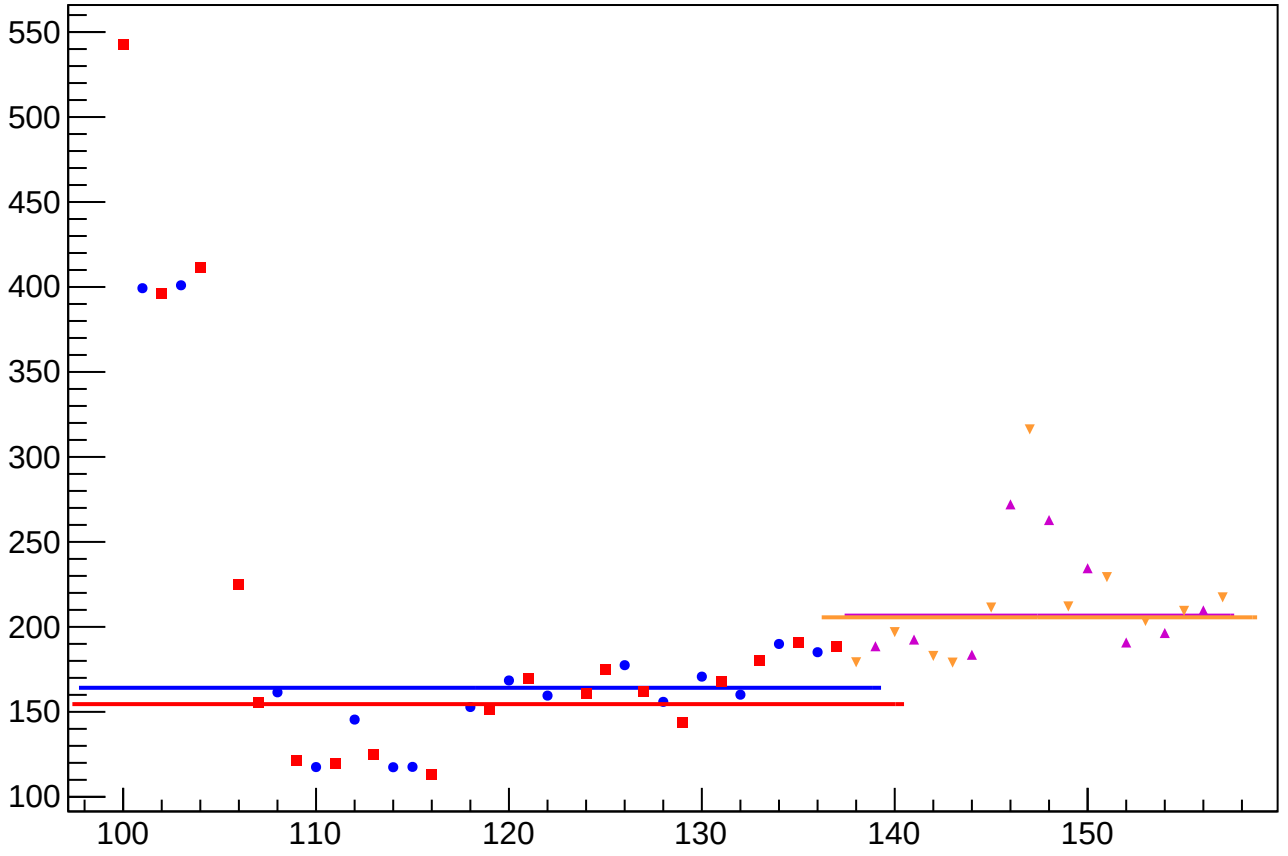
Left In: 144537.220+/-0.075 χ^2/NDF:311810565.4/8

+ sign 143640.503+/-0.048 χ^2/NDF: 773640138.3/2

All: 143640.148+/-0.034 χ^2/NDF: 13698199

- sign 143639.806+/-0.047 χ^2/NDF: 596179668.0/2

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 205.626+/-0.051 χ^2/NDF:309501.0/10

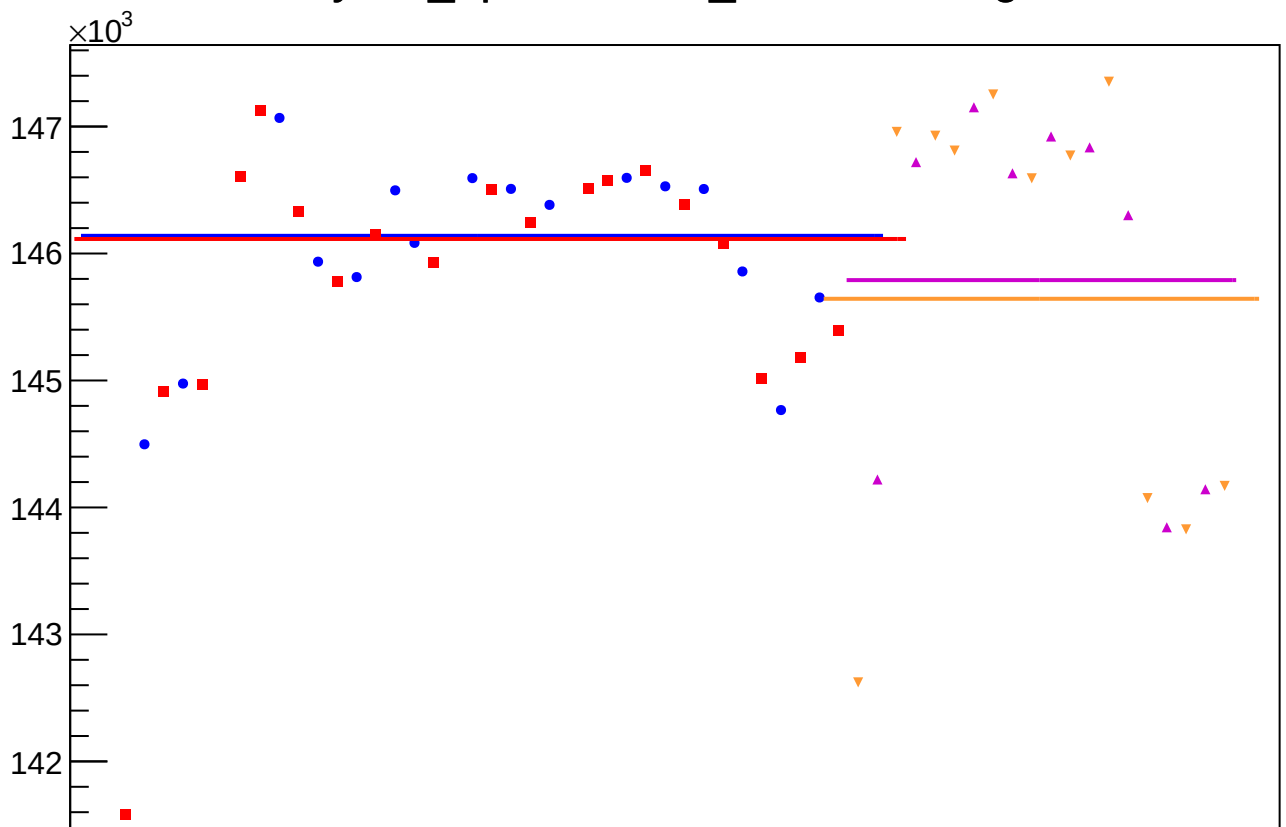
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.633+/-0.053 χ^2/NDF:268872.8/8

+ sign 182.914+/-0.034 χ^2/NDF: 1806265.9/26

All: 178.879+/-0.024 χ^2/NDF: 4047978.7/54

- sign 174.992+/-0.033 χ^2/NDF: 2214157.3/27



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145643.474+/-0.071 χ^2/NDF:577251666.1/10

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

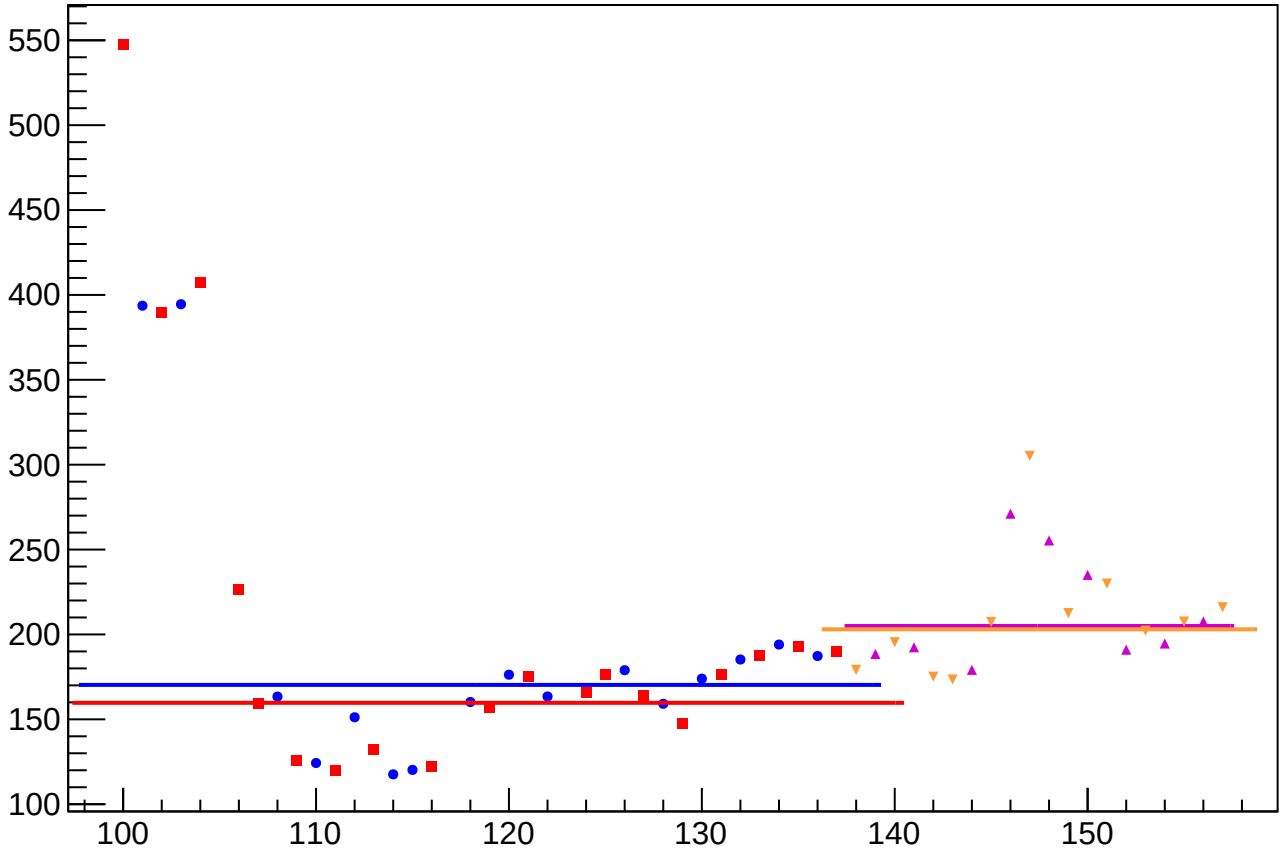
Left In: 145790.477+/-0.075 χ^2/NDF:312170335.3/8

+ sign 145903.083+/-0.049 χ^2/NDF: 674751973.1/2

All: 145942.932+/-0.034 χ^2/NDF: 10723730

- sign 145981.498+/-0.048 χ^2/NDF: 396307171.1/2

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 203.024+/-0.050 χ^2/NDF:313047.2/10

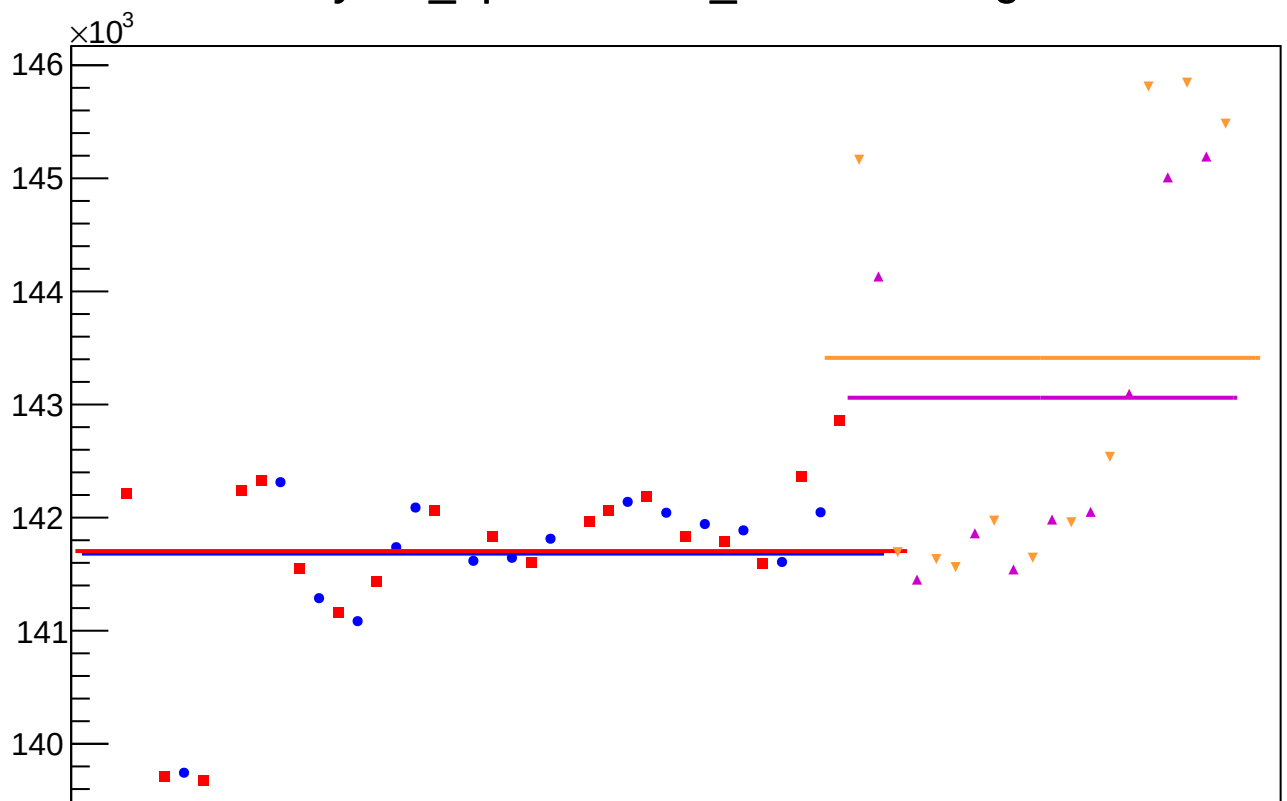
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.976+/-0.053 χ^2/NDF:266099.2/8

+ sign 185.877+/-0.034 χ^2/NDF: 1595602.1/26

All: 182.024+/-0.024 χ^2/NDF: 3608116.3/54

- sign 178.295+/-0.034 χ^2/NDF: 1987950.1/27



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143412.580+/-0.075 χ^2/NDF:593722246.4/10

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

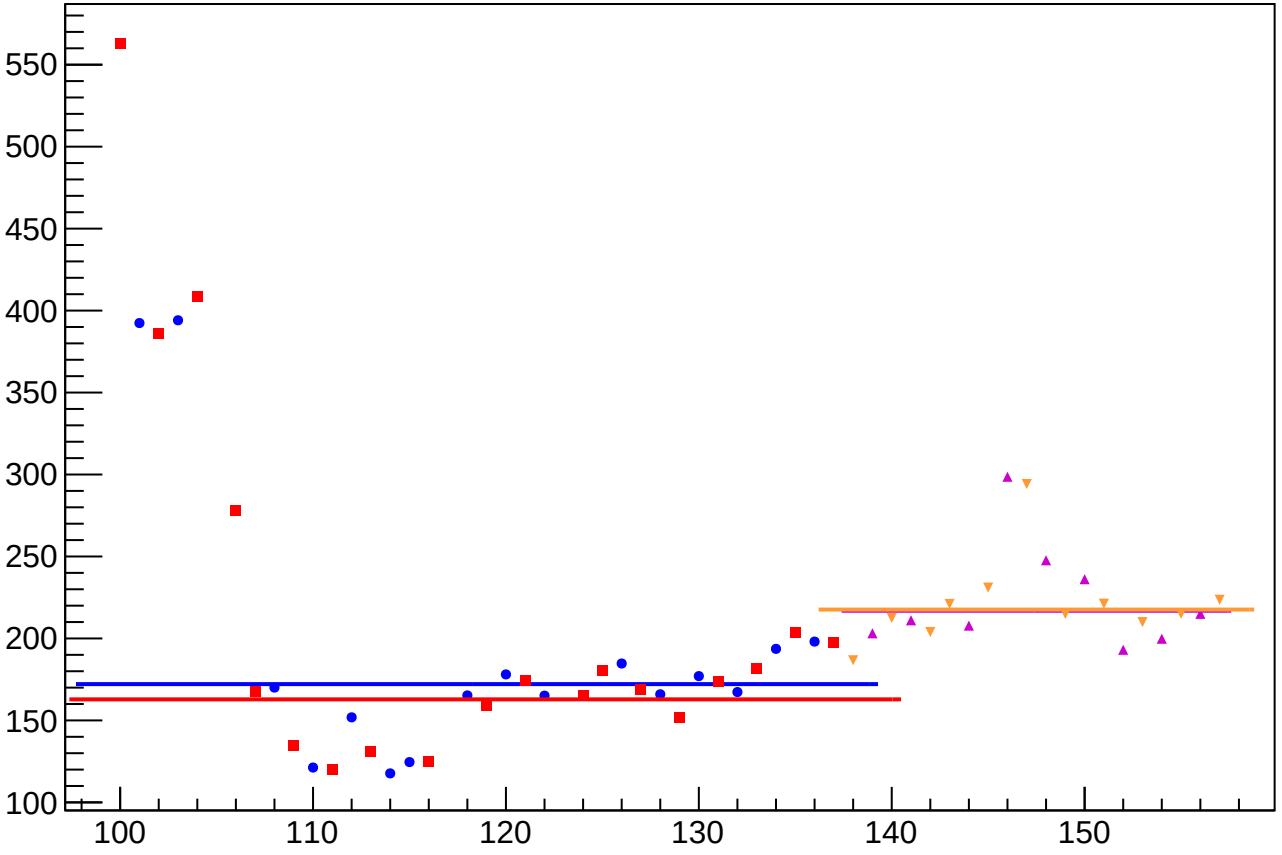
Left In: 143060.110+/-0.079 χ^2/NDF:315296928.6/8

+ sign 142463.228+/-0.051 χ^2/NDF: 948174285.9/2

All: 142348.661+/-0.035 χ^2/NDF: 15169774

- sign 142238.099+/-0.050 χ^2/NDF: 558714398.1/2

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.613+/-0.053 χ^2/NDF:167805.7/10

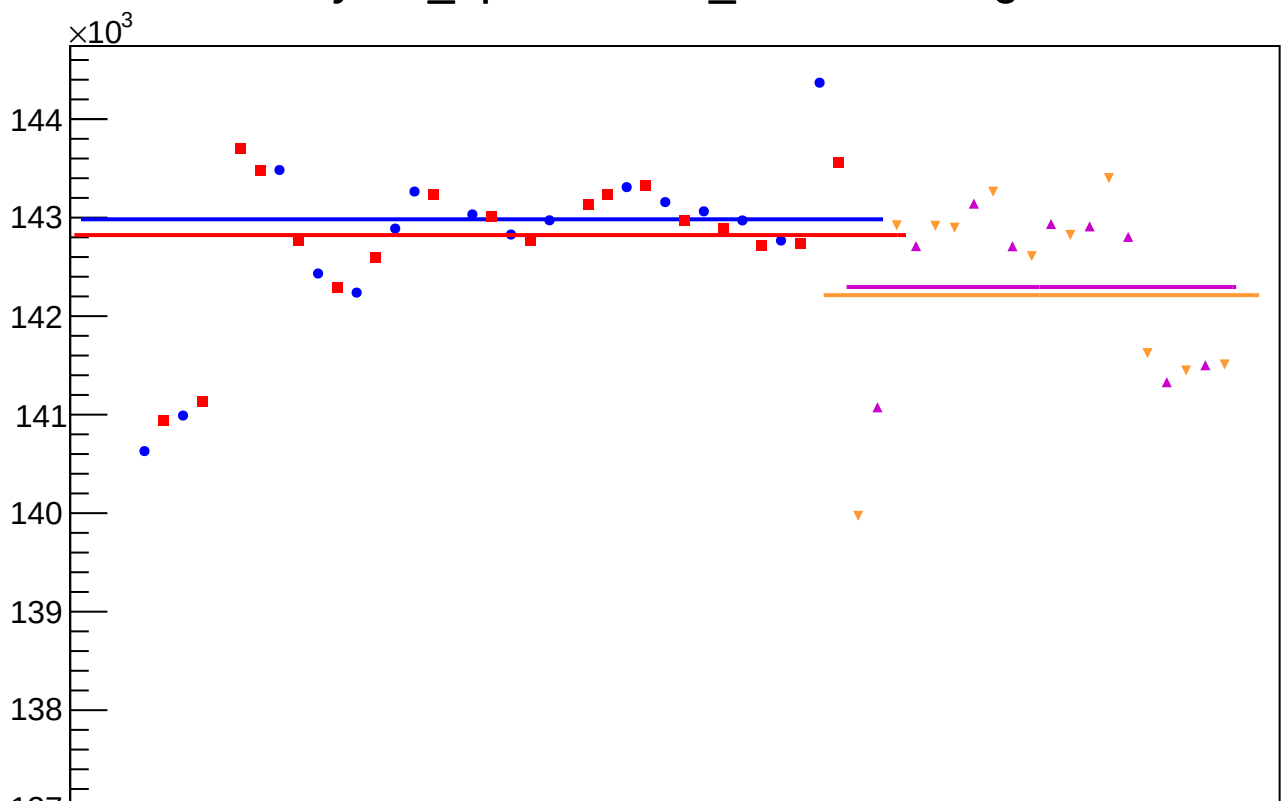
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 216.893+/-0.056 χ^2/NDF:217145.1/8

+ sign 192.669+/-0.036 χ^2/NDF: 1637020.3/26

All: 188.322+/-0.025 χ^2/NDF: 3754363.9/54

- sign 184.127+/-0.035 χ^2/NDF: 2088290.9/27



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142212.854+/-0.069 χ^2/NDF:237517393.1/10

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

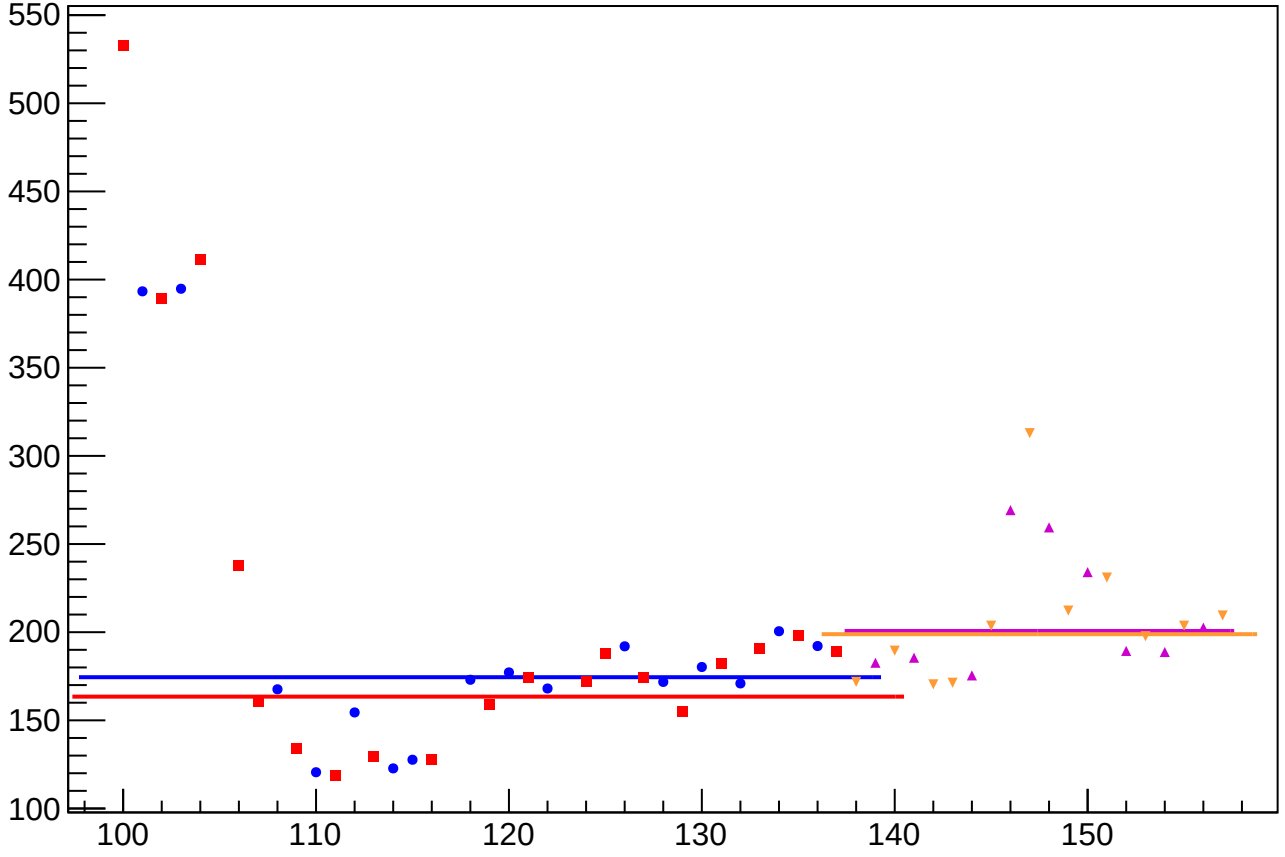
Left In: 142295.481+/-0.073 χ^2/NDF:116027788.3/8

+ sign 142598.657+/-0.049 χ^2/NDF: 407188283.1/2

All: 142596.645+/-0.034 χ^2/NDF: 61612486

- sign 142594.688+/-0.048 χ^2/NDF: 208933239.2/2

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 198.862+/-0.049 χ^2/NDF:367637.3/10

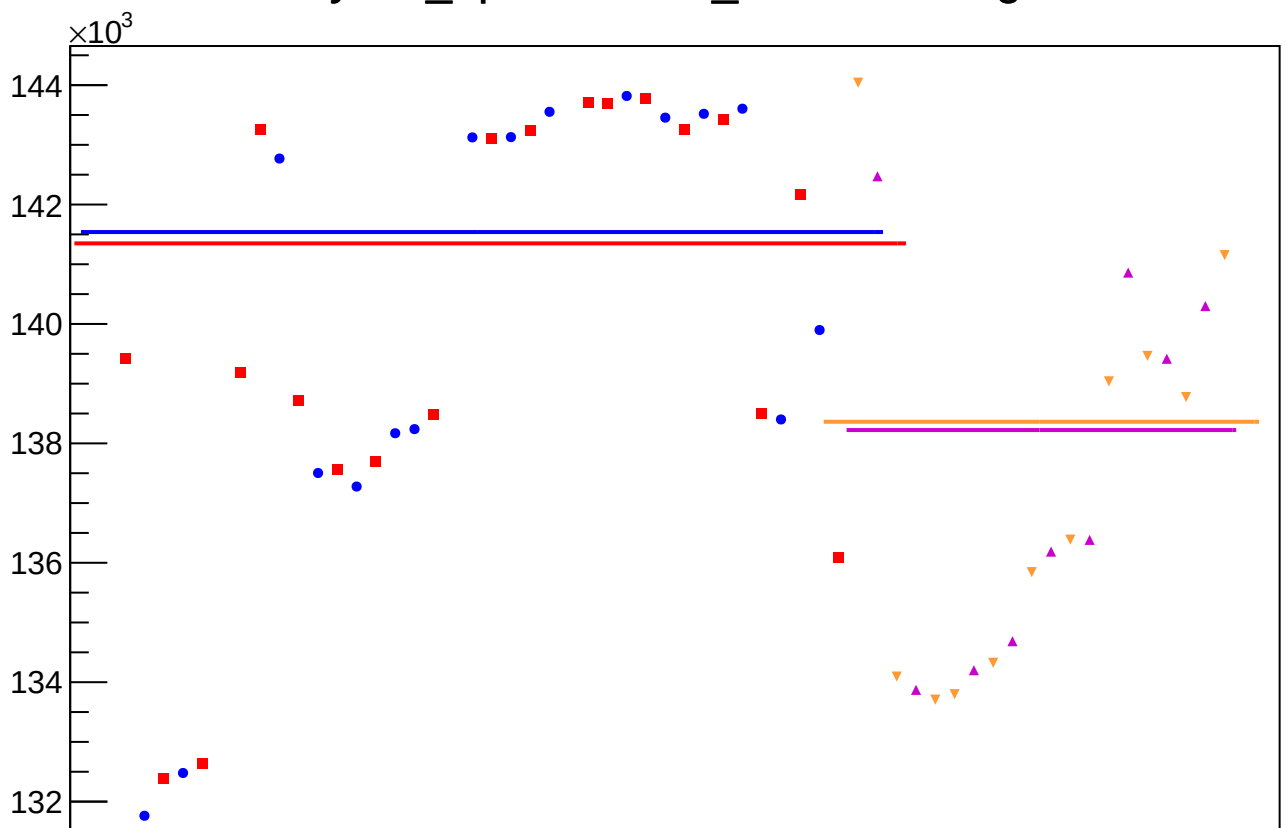
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.684+/-0.052 χ^2/NDF:308990.0/8

+ sign 186.642+/-0.035 χ^2/NDF: 1541132.0/26

All: 183.048+/-0.024 χ^2/NDF: 3446428.8/54

- sign 179.553+/-0.034 χ^2/NDF: 1884003.0/27



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138361.881+/-0.108 χ^2/NDF:1178594480.4/10

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

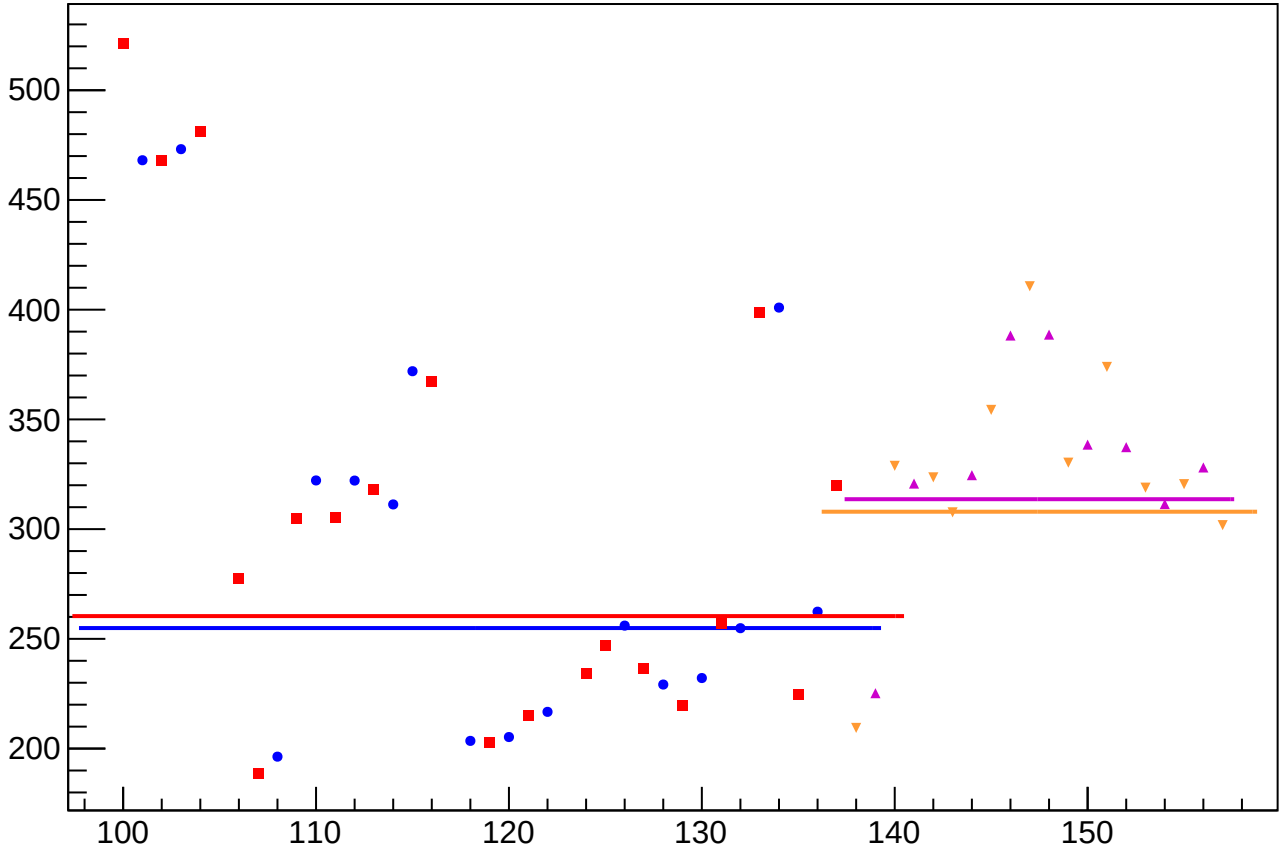
Left In: 138223.171+/-0.116 χ^2/NDF:788117425.5/8

+ sign 140063.557+/-0.074 χ^2/NDF: 2587809617.9

All: 140032.133+/-0.053 χ^2/NDF: 47165141

- sign 139998.646+/-0.076 χ^2/NDF: 2128329764.2/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.937+/-0.077 χ^2/NDF:532521.3/10

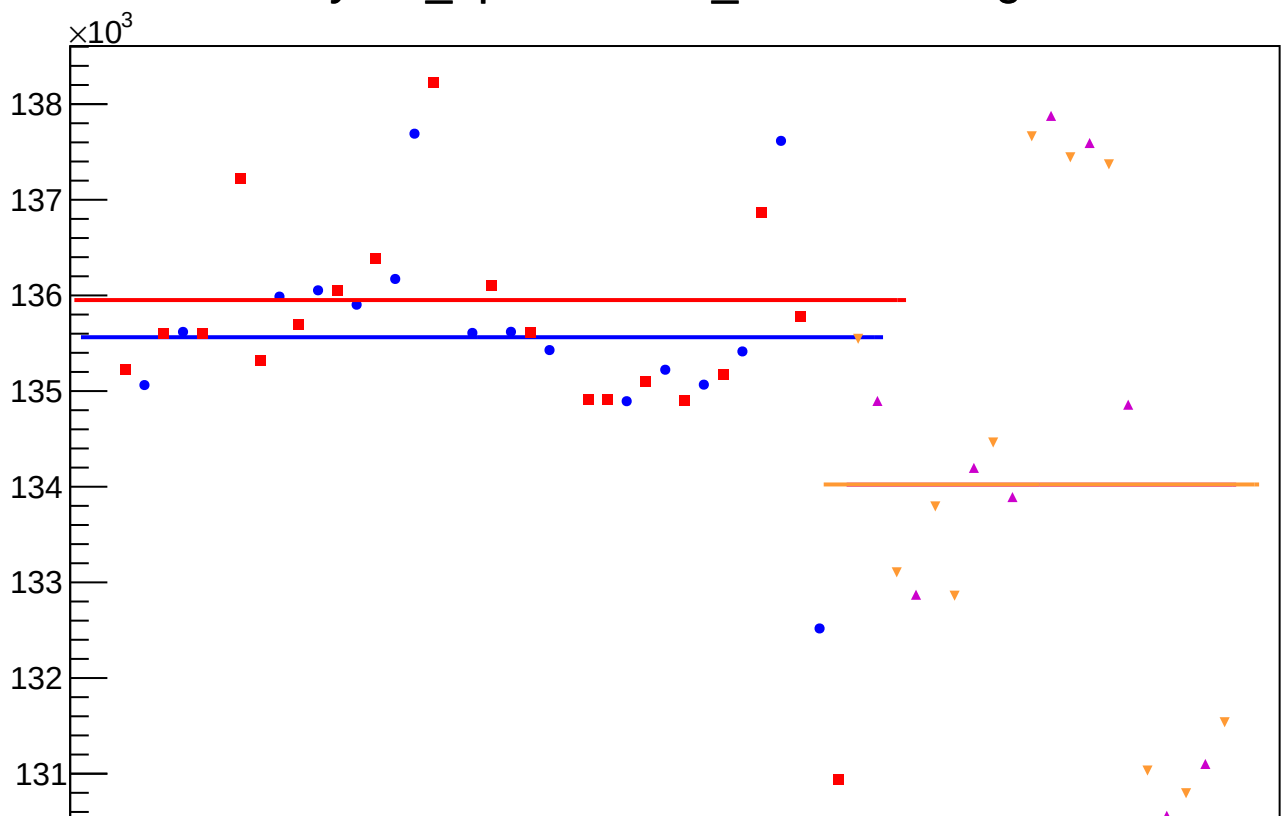
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 313.637+/-0.082 χ^2/NDF:394298.2/8

+ sign 279.545+/-0.052 χ^2/NDF: 1739408.8/26

All: 281.404+/-0.037 χ^2/NDF: 3369750.6/54

- sign 283.385+/-0.054 χ^2/NDF: 1627717.7/27



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134023.662+/-0.086 χ^2/NDF:528636981.7/10

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

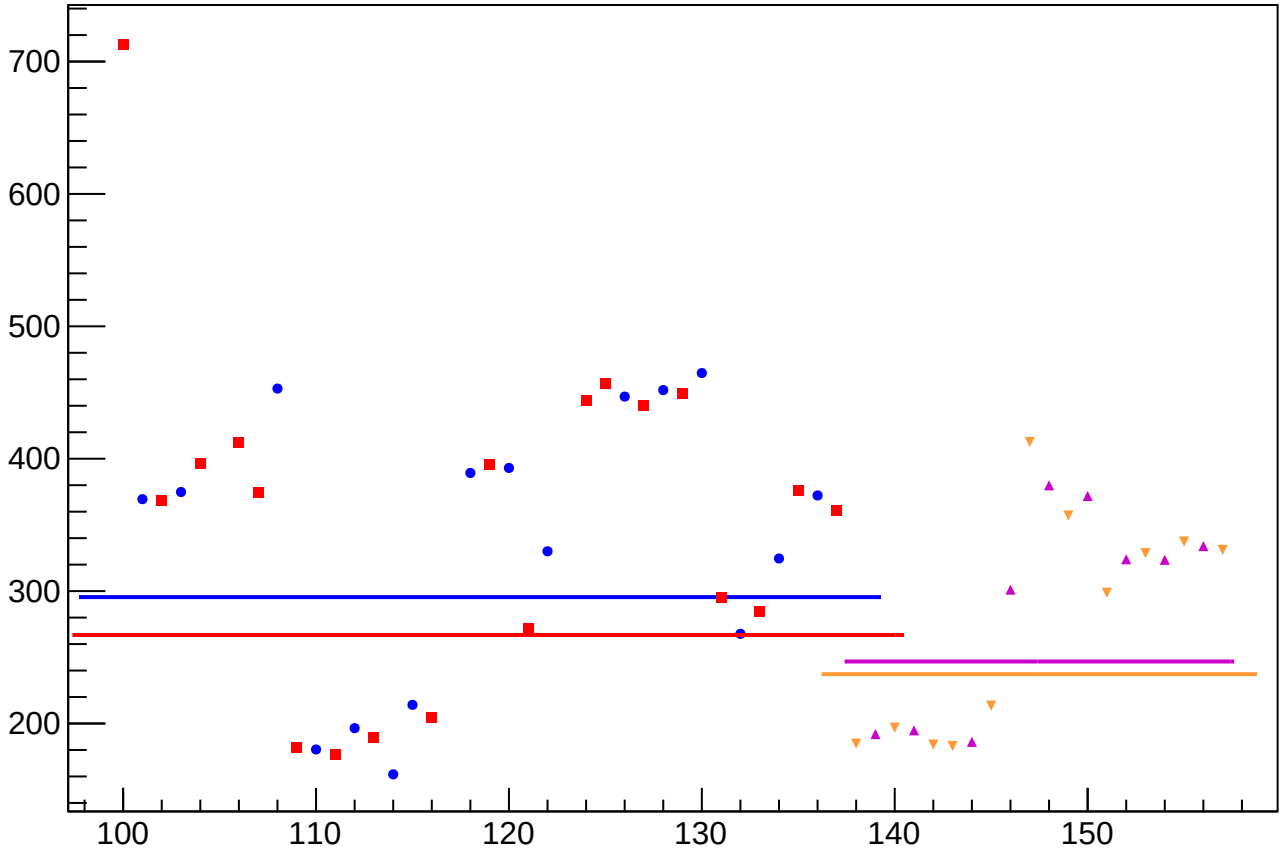
Left In: 134021.508+/-0.093 χ^2/NDF:380568760.1/8

+ sign 134552.287+/-0.069 χ^2/NDF: 733887555.2/2

All: 134705.076+/-0.049 χ^2/NDF: 14018444

- sign 134861.436+/-0.070 χ^2/NDF: 658137216.6/2

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 237.266+/-0.061 χ^2/NDF:1361136.0/10

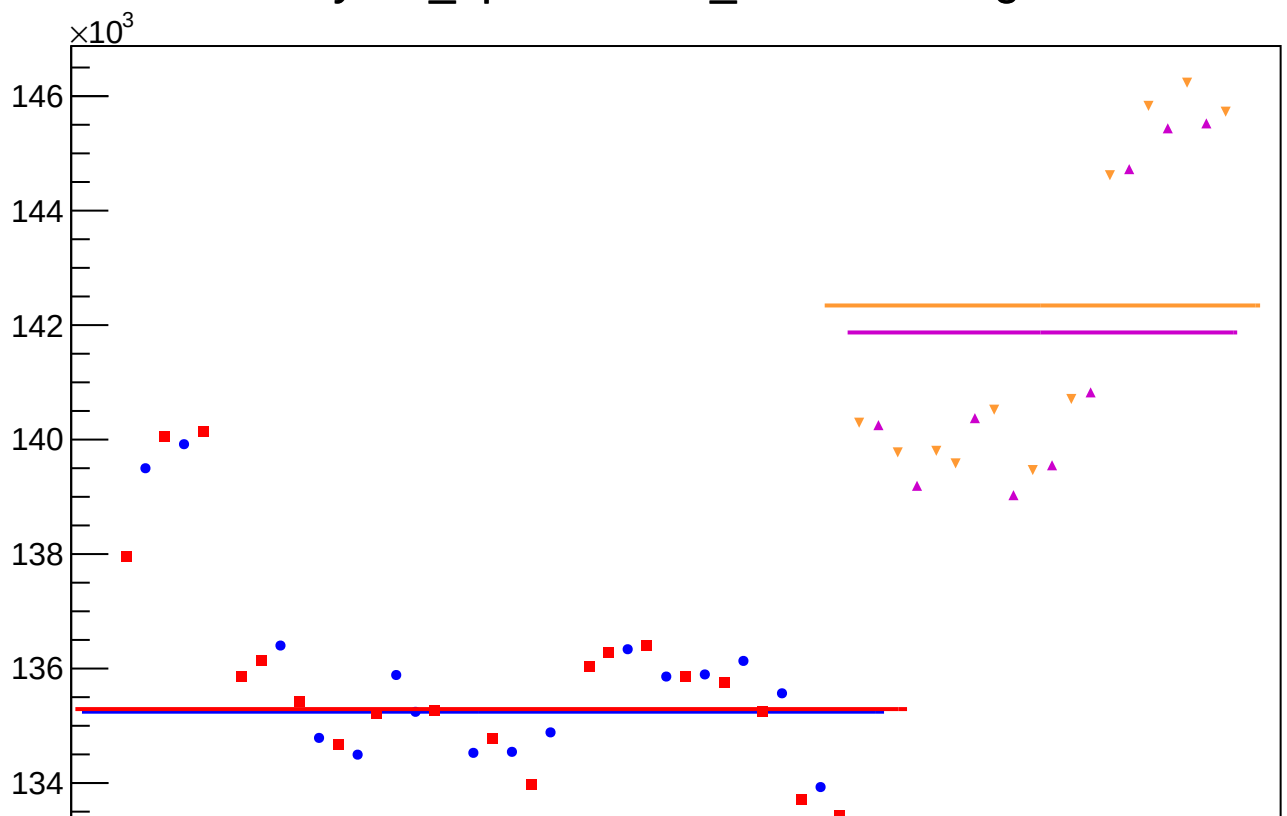
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 246.834+/-0.066 χ^2/NDF:1201367.3/8

+ sign 257.257+/-0.049 χ^2/NDF: 3121386.1/26

All: 256.414+/-0.035 χ^2/NDF: 6041492.7/54

- sign 255.551+/-0.050 χ^2/NDF: 2919508.4/27



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 142342.926+/-0.065 χ^2/NDF:1847854504.6/10

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

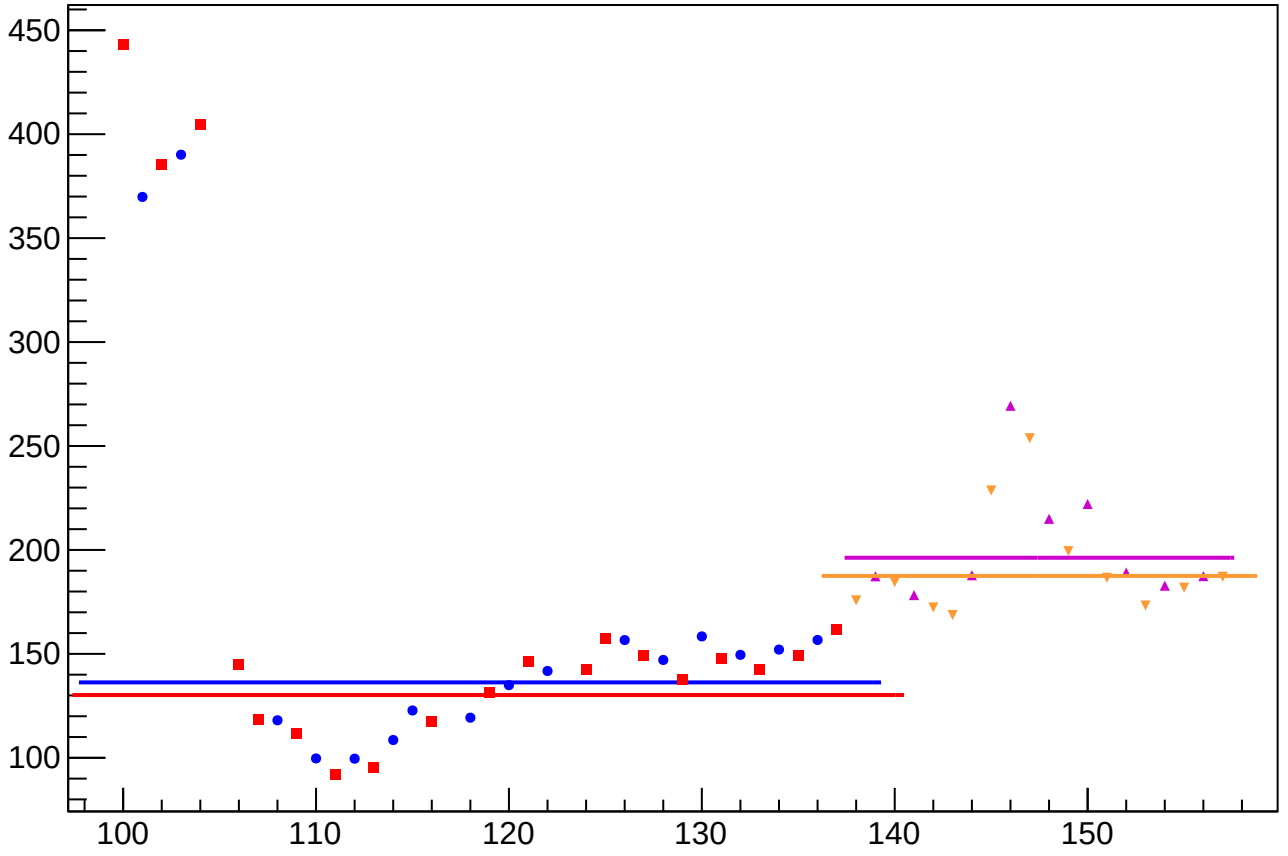
Left In: 141871.312+/-0.072 χ^2/NDF:1342043436.3/8

+ sign 138182.521+/-0.042 χ^2/NDF: 9194909867.9

All: 137864.653+/-0.030 χ^2/NDF: 16571688

- sign 137545.863+/-0.042 χ^2/NDF: 7261500396.9/

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.507+/-0.046 χ^2/NDF:208617.9/10

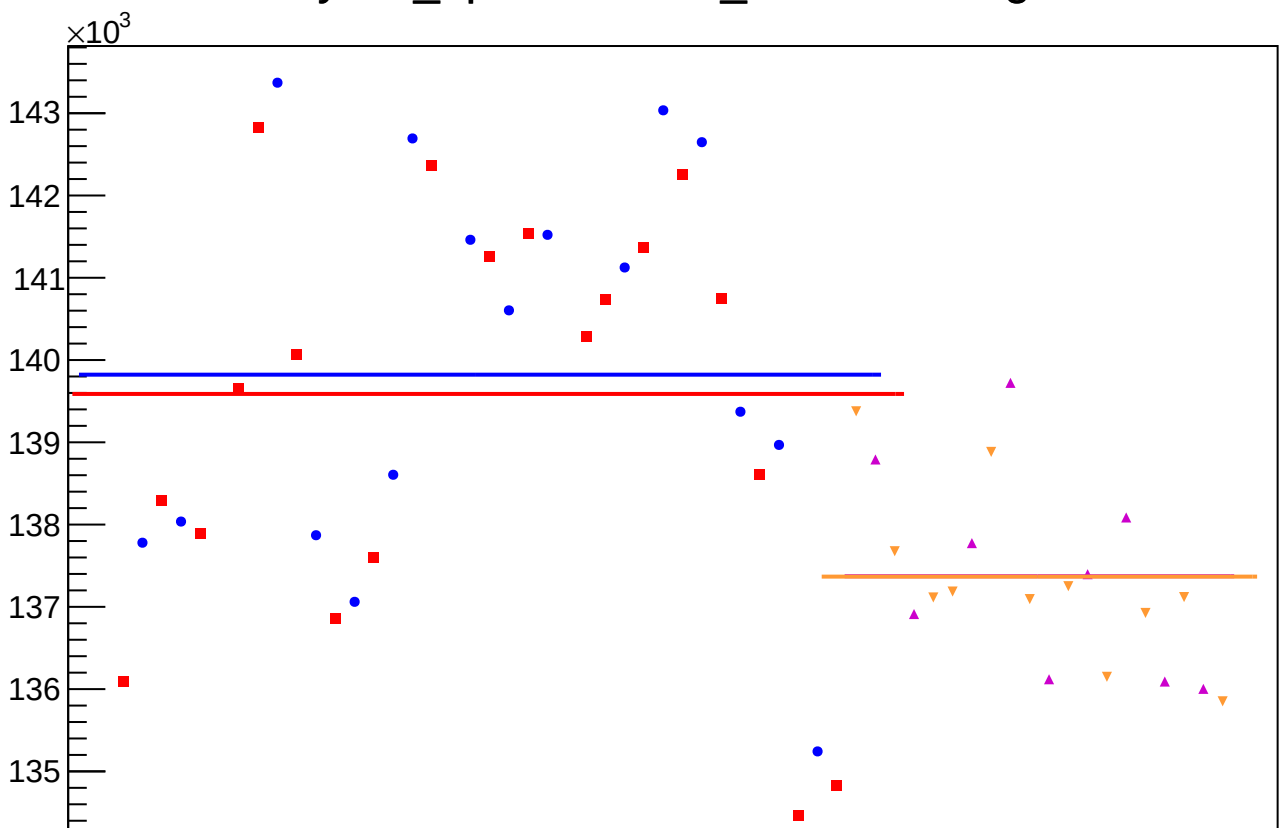
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 196.249+/-0.051 χ^2/NDF:199696.2/8

\+ sign 157.478+/-0.030 χ^2/NDF: 2317701.5/26

All: 155.158+/-0.021 χ^2/NDF: 5166424.3/54

\- sign 152.831+/-0.030 χ^2/NDF: 2836439.4/27



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137367.373+/-0.067 χ^2/NDF:229556249.0/10

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

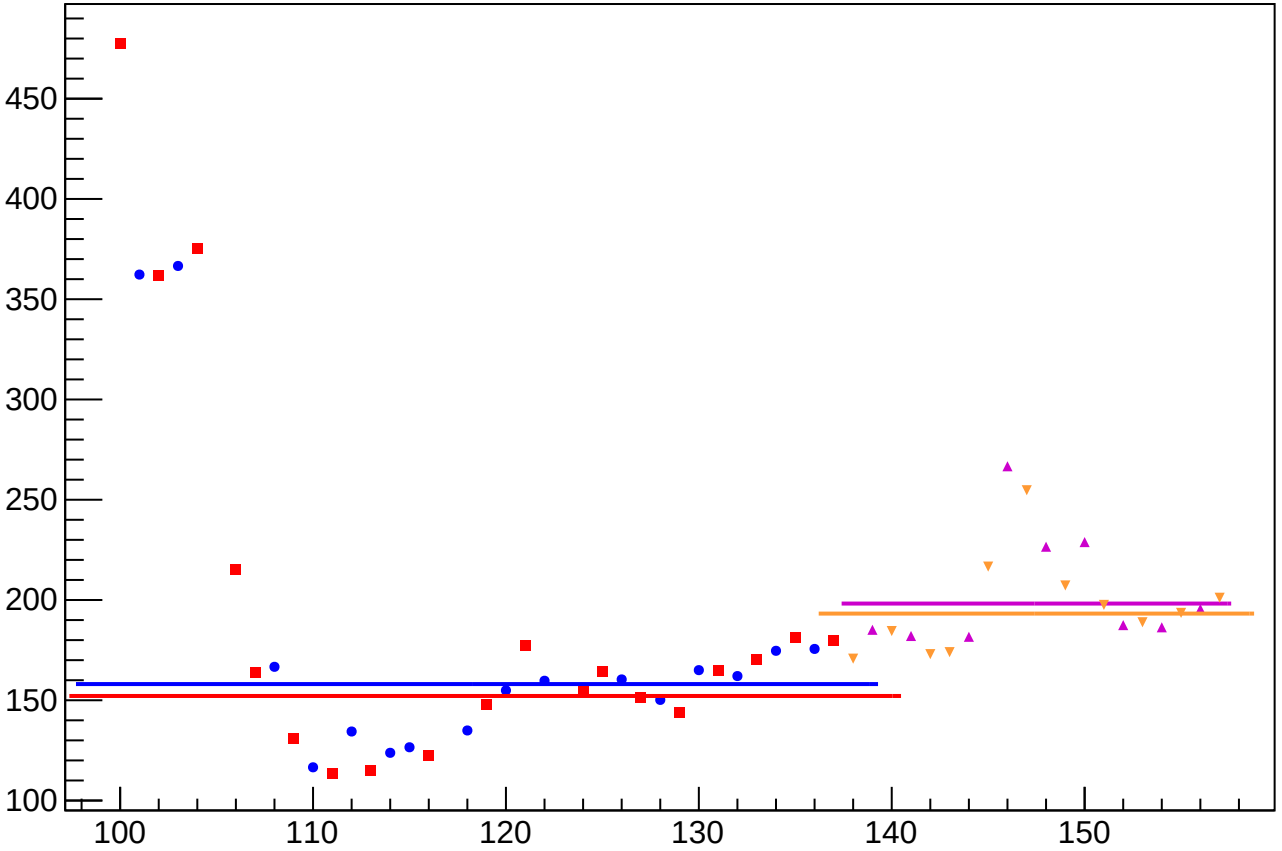
Left In: 137371.993+/-0.073 χ^2/NDF:241451468.4/8

+ sign 138681.928+/-0.046 χ^2/NDF: 2607355040.3

All: 138687.517+/-0.032 χ^2/NDF: 48875319

- sign 138693.184+/-0.046 χ^2/NDF: 2280146880.7/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 193.225+/-0.048 χ^2/NDF:184037.9/10

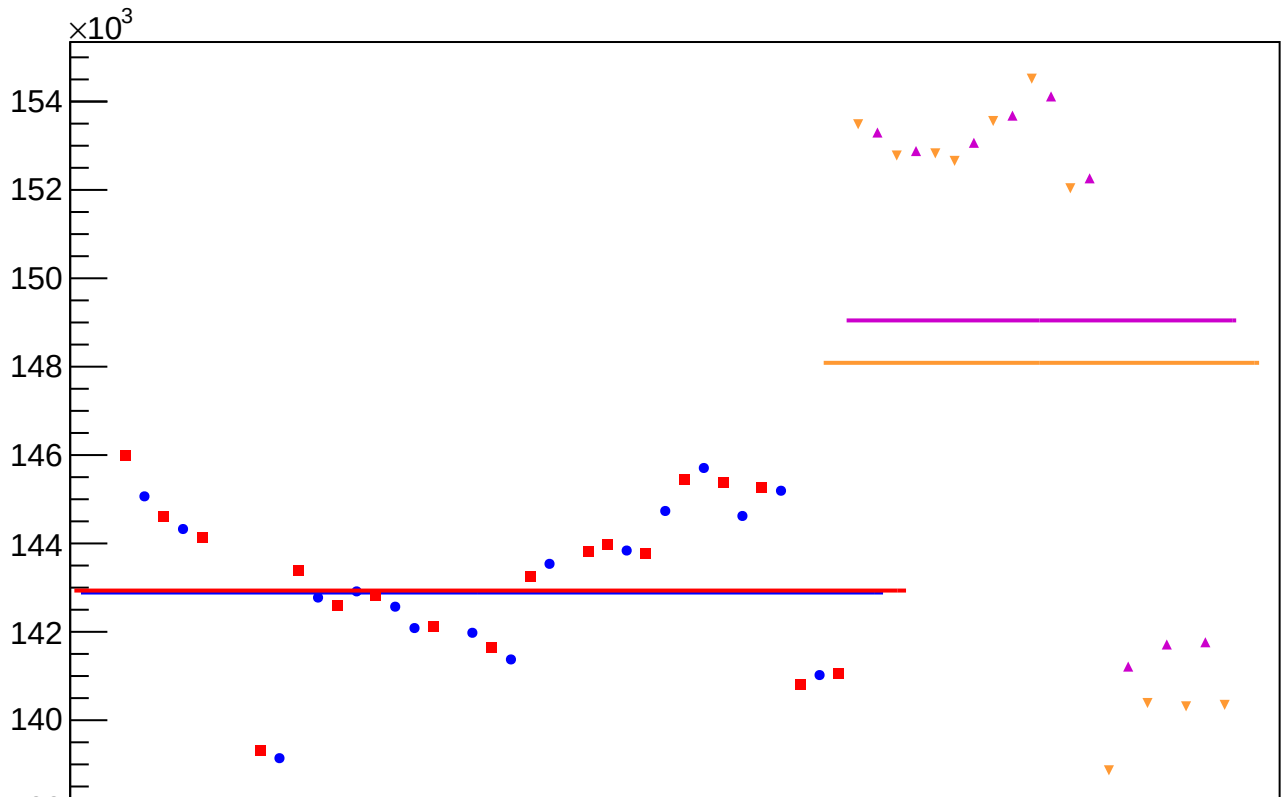
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 198.227+/-0.051 χ^2/NDF:219263.1/8

+ sign 174.404+/-0.032 χ^2/NDF: 1494866.8/26

All: 172.588+/-0.023 χ^2/NDF: 3430350.5/54

- sign 170.747+/-0.033 χ^2/NDF: 1929154.3/27



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 148087.239+/-0.068 χ^2/NDF:8799888797.5/10

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

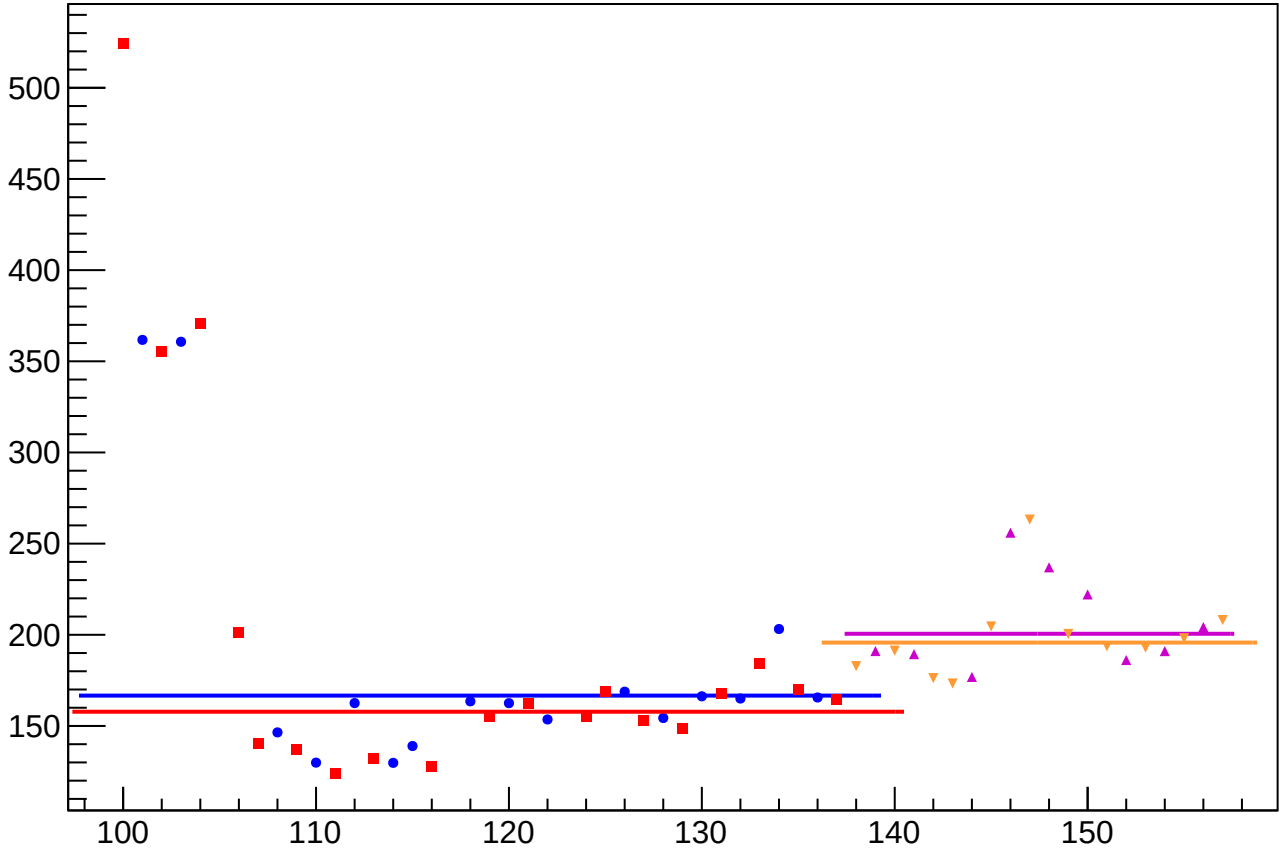
Left In: 149046.587+/-0.073 χ^2/NDF:5776548700.4/8

+ sign 145401.532+/-0.047 χ^2/NDF: 12589684818.

All: 145433.484+/-0.033 χ^2/NDF: 23240768

- sign 145465.283+/-0.047 χ^2/NDF: 10650169571.4

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 195.730+/-0.048 χ^2/NDF:162461.2/10

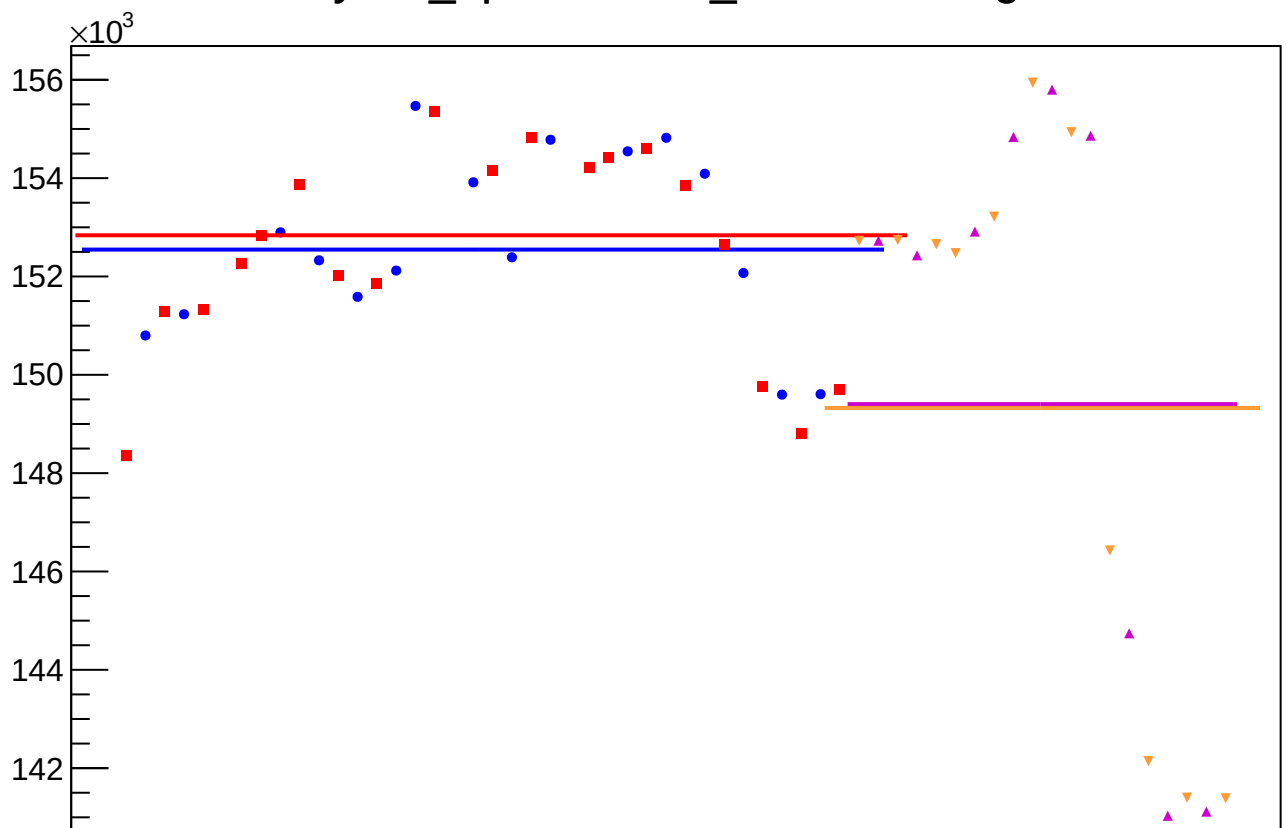
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.561+/-0.052 χ^2/NDF:192828.3/8

+ sign 180.708+/-0.033 χ^2/NDF: 1215412.2/26

All: 178.104+/-0.024 χ^2/NDF: 2842461.3/54

- sign 175.513+/-0.033 χ^2/NDF: 1614915.8/27



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 149326.151+/-0.068 χ^2/NDF:6089933428.5/10

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

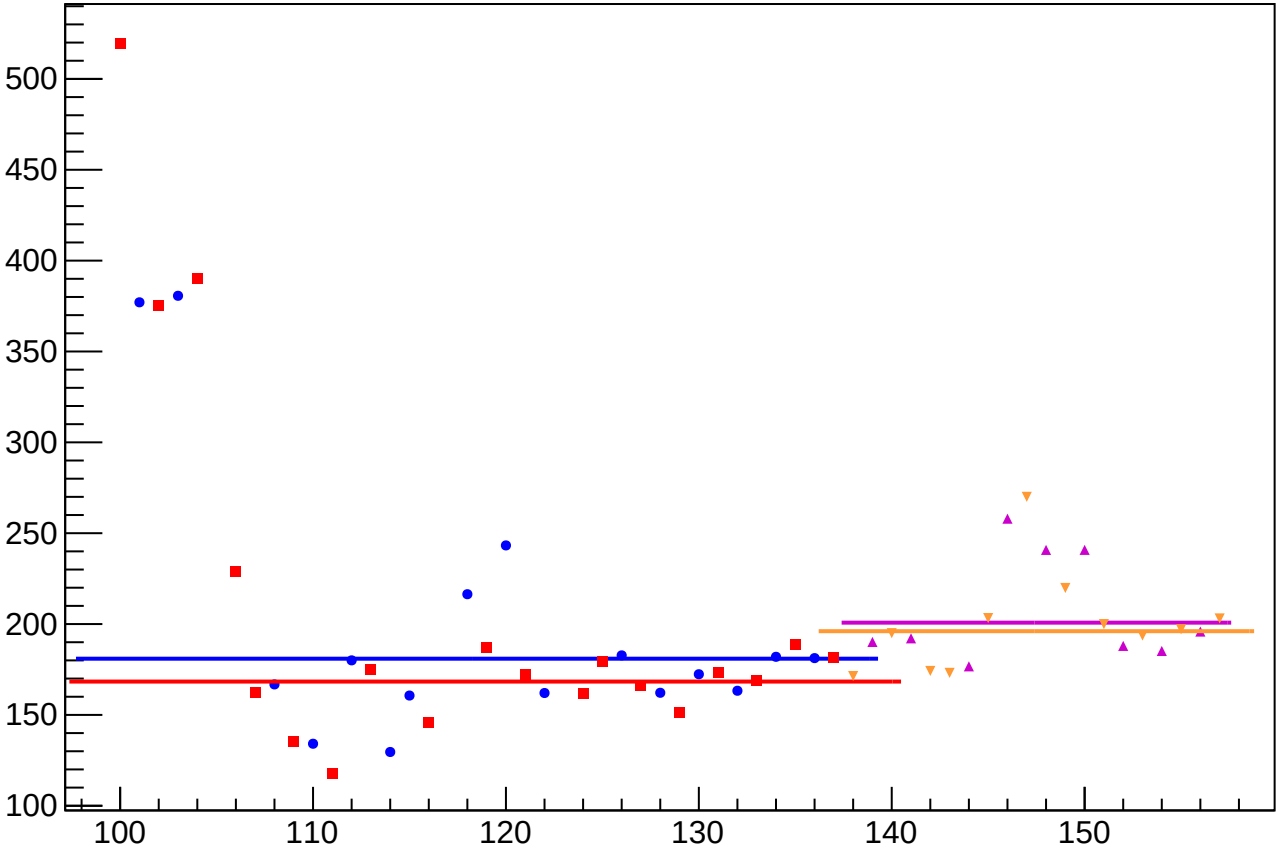
Left In: 149403.378+/-0.073 χ^2/NDF:5927217524.8/8

+ sign 150827.896+/-0.050 χ^2/NDF: 7794445628.8

All: 151055.394+/-0.035 χ^2/NDF: 15704840

- sign 151280.061+/-0.049 χ^2/NDF: 7868199645.1/

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 196.073+/-0.048 χ^2/NDF:219550.5/10

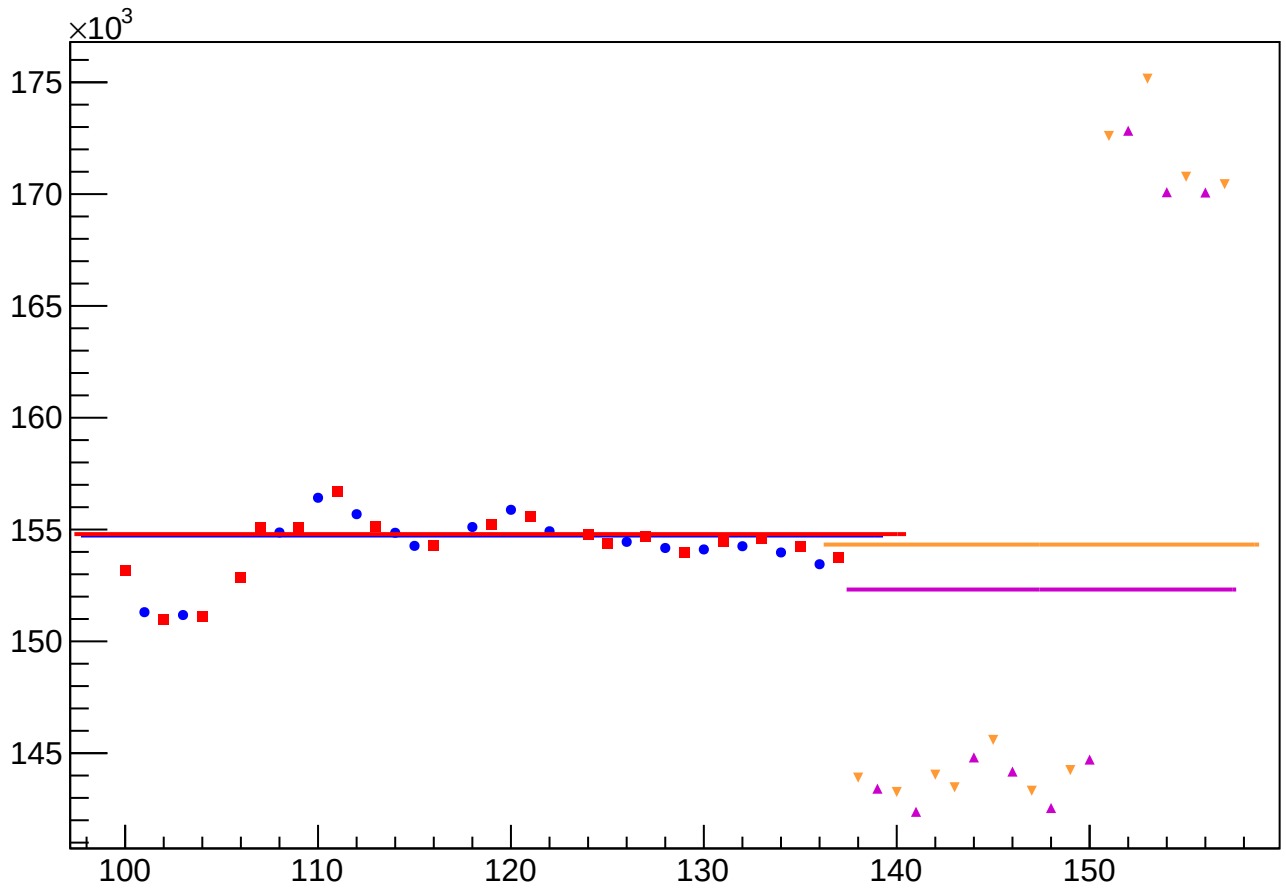
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 200.780+/-0.052 χ^2/NDF:242345.4/8

\+ sign 189.016+/-0.035 χ^2/NDF: 1173677.4/26

All: 186.019+/-0.025 χ^2/NDF: 2734351.9/54

\- sign 183.059+/-0.035 χ^2/NDF: 1546150.4/27



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 154328.029+/-0.062 χ^2/NDF:49046295272.5/10

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

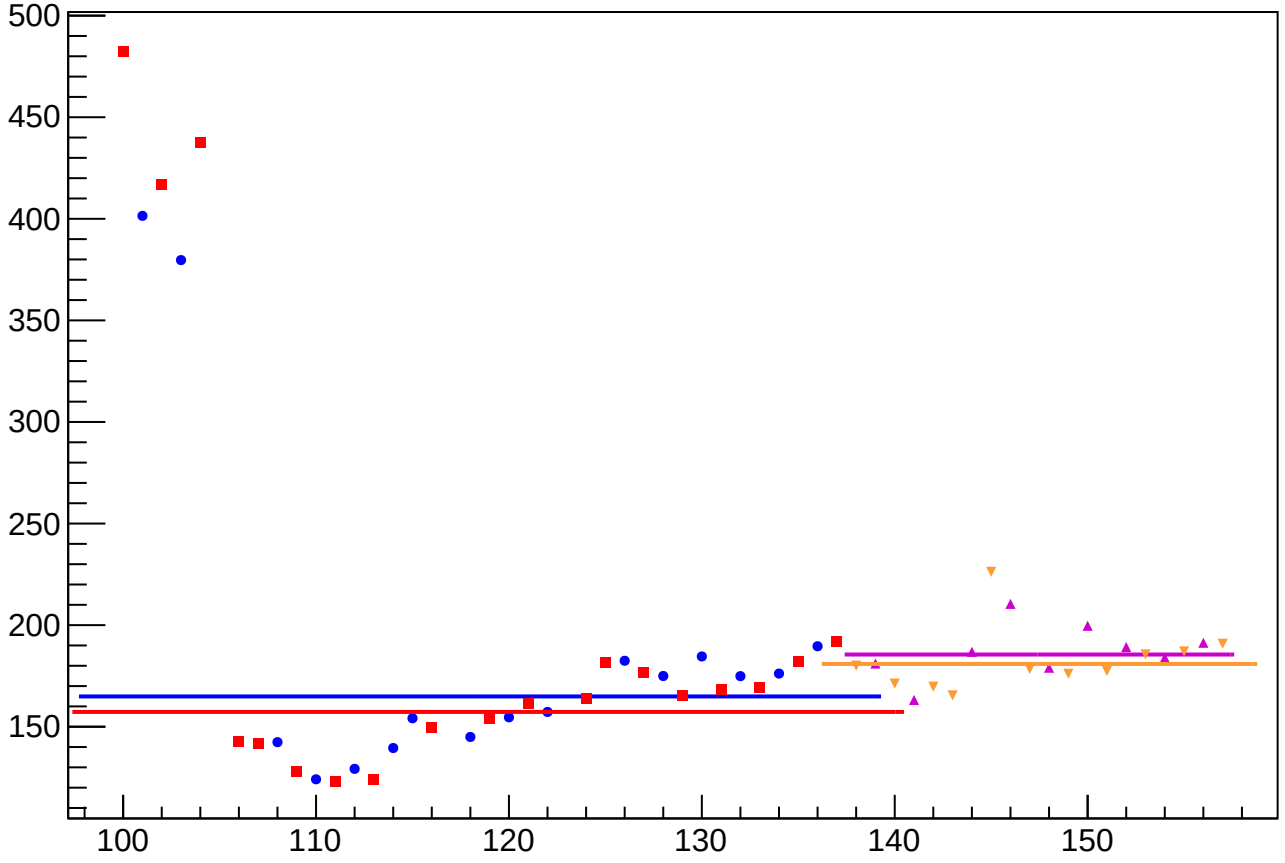
Left In: 152317.929+/-0.067 χ^2/NDF:36698974325.7/8

+ sign 154521.052+/-0.045 χ^2/NDF: 49340974065.

All: 154097.416+/-0.032 χ^2/NDF: 87269101

- sign 153671.359+/-0.045 χ^2/NDF: 37750379313.5

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 180.899+/-0.044 χ^2/NDF:97020.3/10

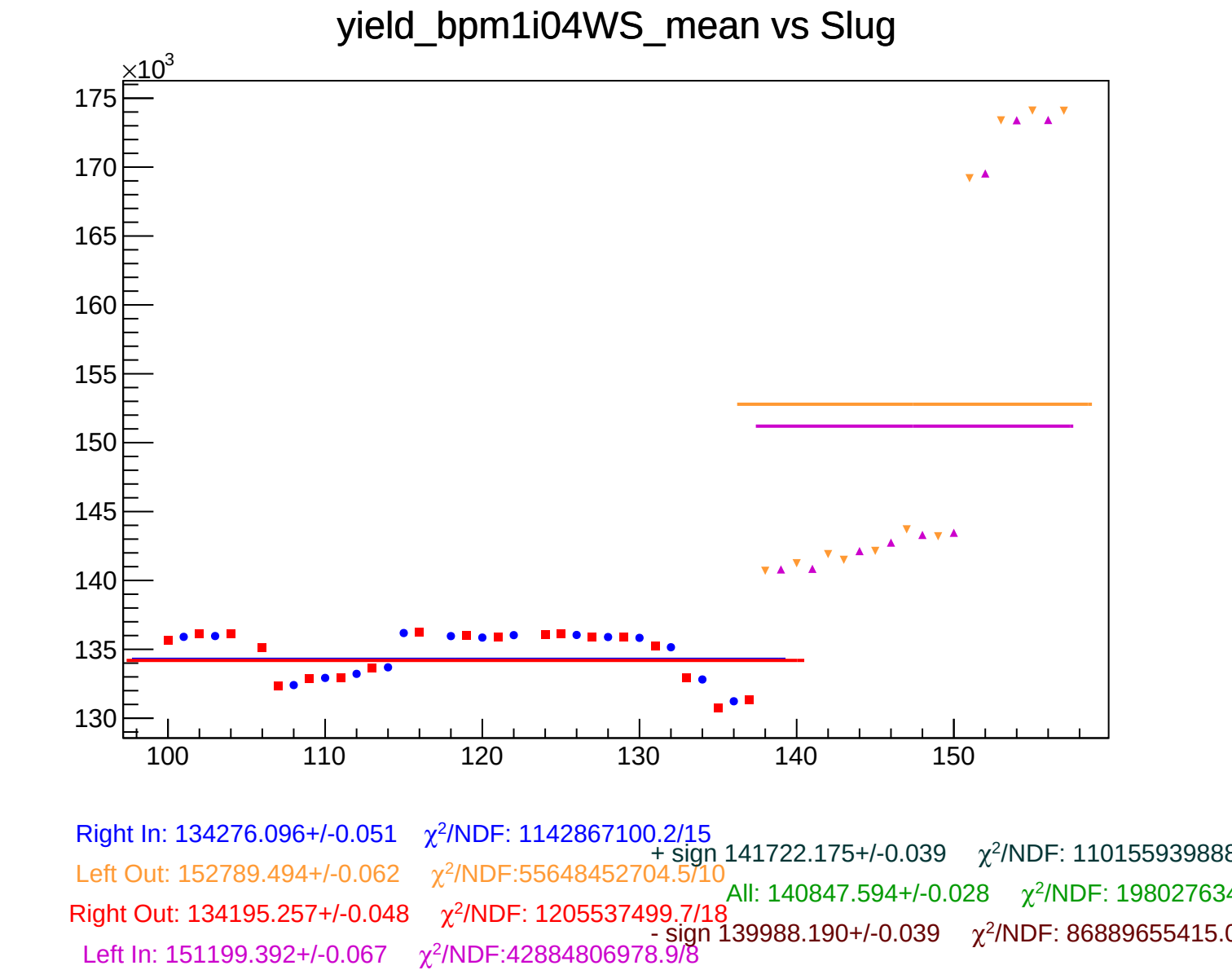
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.537+/-0.047 χ^2/NDF:71734.5/8

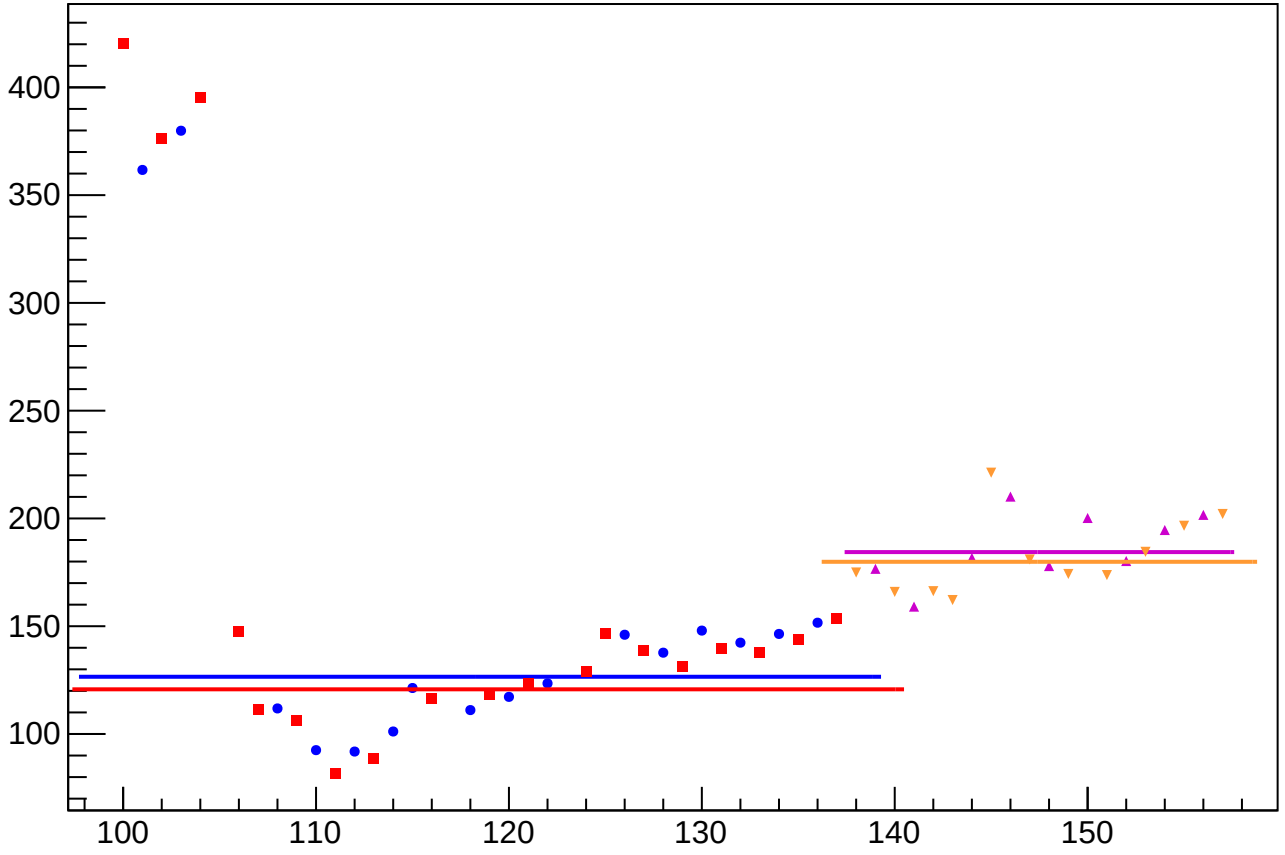
+ sign 173.279+/-0.032 χ^2/NDF: 1232760.4/26

All: 171.697+/-0.023 χ^2/NDF: 2758597.5/54

- sign 170.105+/-0.032 χ^2/NDF: 1520876.0/27


yield_bpm1i04WS_mean vs Slug
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 152789.494+/-0.062 χ²/NDF:55648452704.5/10
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 151199.392+/-0.067 χ²/NDF:42884806978.9/8
+ sign 141722.175+/-0.039 χ²/NDF: 11015593988
All: 140847.594+/-0.028 χ²/NDF: 19802763
- sign 139988.190+/-0.039 χ²/NDF: 86889655415.0

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 179.889+/-0.044 χ^2/NDF:129773.2/10

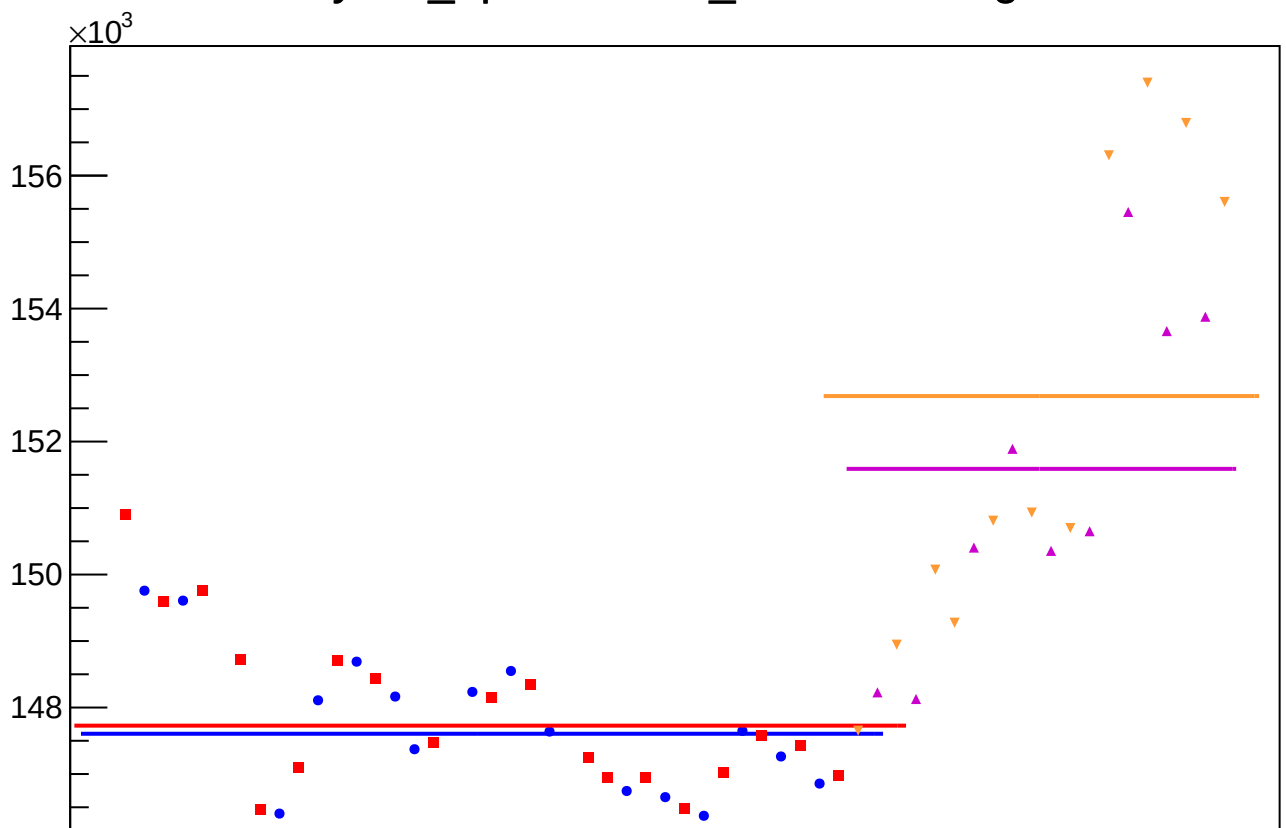
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 184.392+/-0.047 χ^2/NDF:104524.0/8

+ sign 148.004+/-0.028 χ^2/NDF: 2493108.7/26

All: 145.184+/-0.020 χ^2/NDF: 5450870.9/54

- sign 142.414+/-0.028 χ^2/NDF: 2937352.3/27



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 152684.560+/-0.070 χ^2/NDF:2581717824.5/10

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

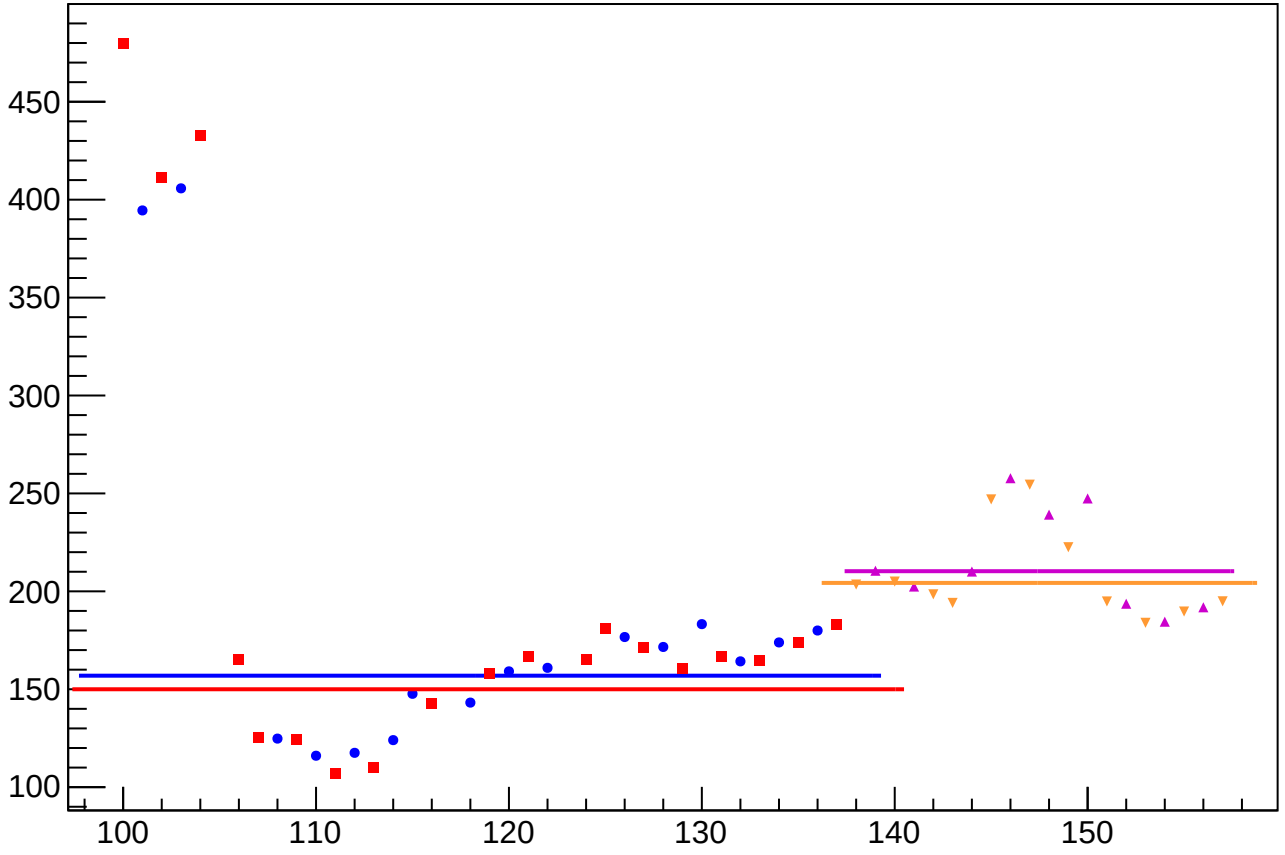
Left In: 151589.637+/-0.076 χ^2/NDF:1090091982.1/8

+ sign 149842.307+/-0.047 χ^2/NDF: 5692833264.3

All: 149506.131+/-0.033 χ^2/NDF: 86865352

- sign 149171.425+/-0.047 χ^2/NDF: 2890443648.4/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 204.306+/-0.050 χ^2/NDF:165120.9/10

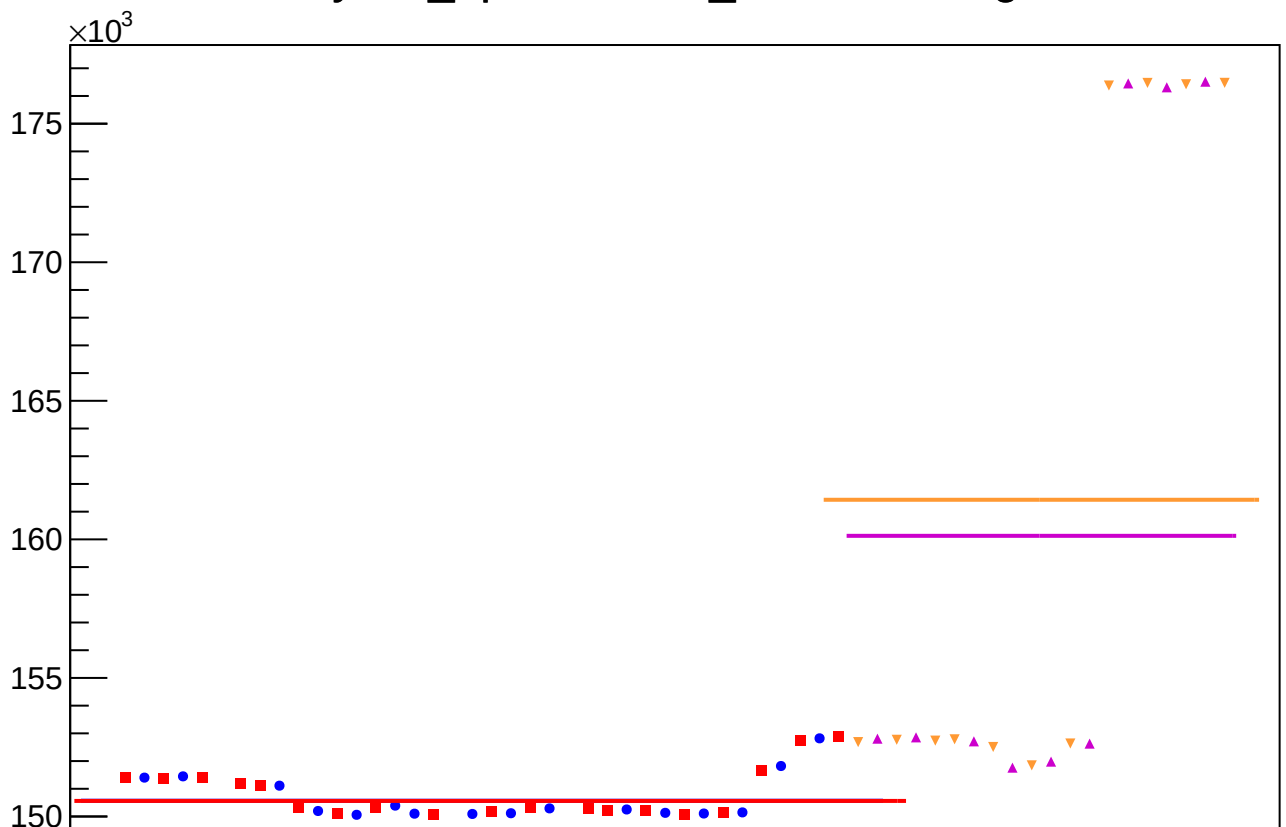
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 210.285+/-0.054 χ^2/NDF:187287.7/8

+ sign 177.792+/-0.033 χ^2/NDF: 1937456.1/26

All: 175.157+/-0.023 χ^2/NDF: 4373925.9/54

- sign 172.534+/-0.033 χ^2/NDF: 2423782.3/27



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 161429.102+/-0.061 χ^2/NDF:36026306952.4/10

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

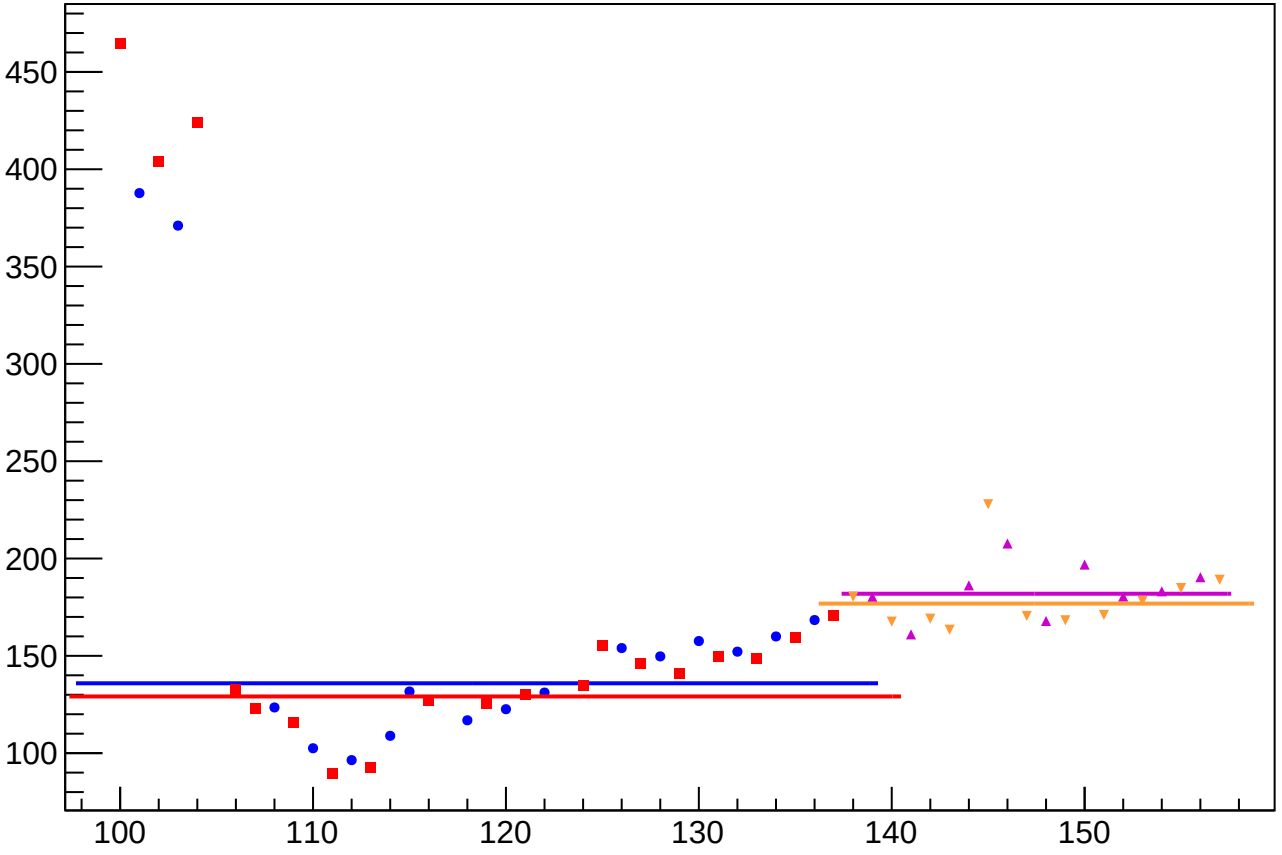
Left In: 160127.944+/-0.066 χ^2/NDF:28838093995.0/8

+ sign 155417.899+/-0.041 χ^2/NDF: 53922620447.1

All: 154780.961+/-0.029 χ^2/NDF: 96670196

- sign 154154.744+/-0.040 χ^2/NDF: 42260174439.4

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.838+/-0.043 χ^2/NDF:117417.3/10

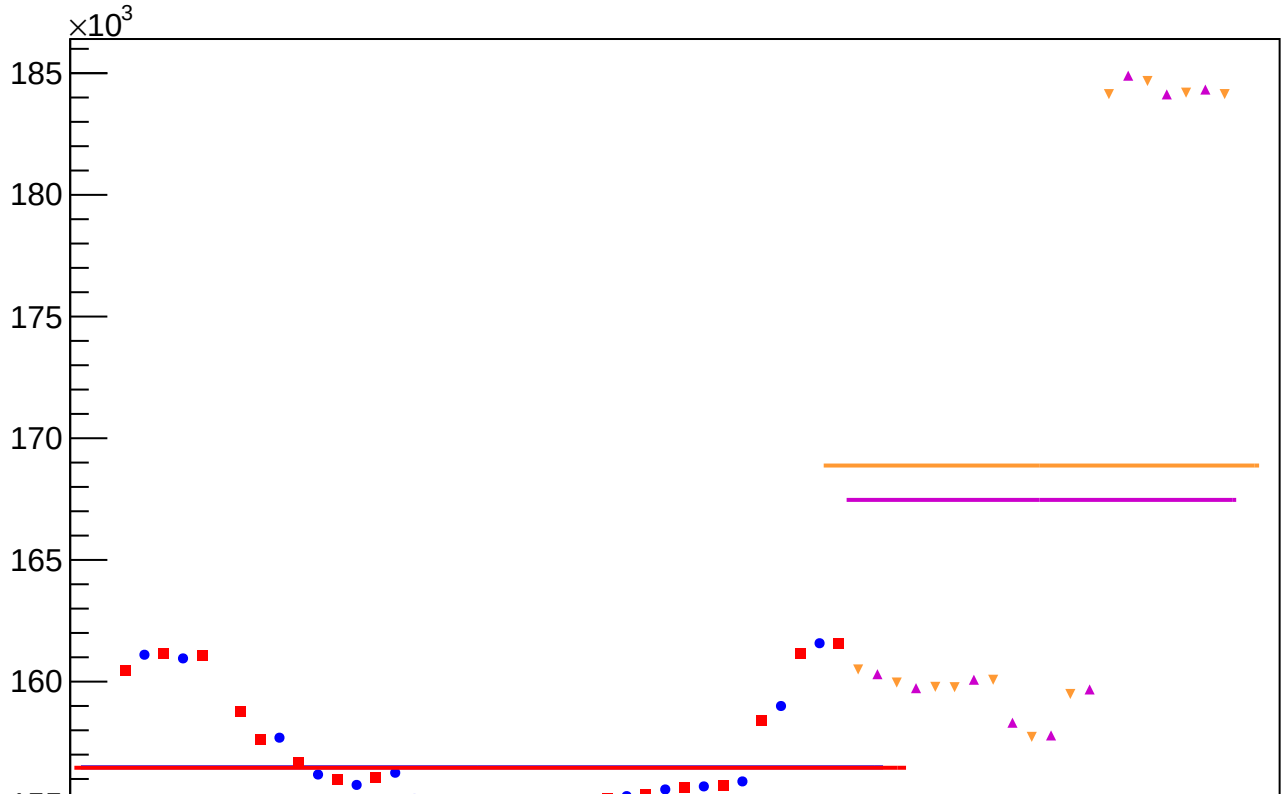
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.910+/-0.046 χ^2/NDF:82504.0/8

+ sign 154.177+/-0.029 χ^2/NDF: 2035677.0/26

All: 151.544+/-0.020 χ^2/NDF: 4554273.6/54

- sign 148.955+/-0.028 χ^2/NDF: 2501934.1/27



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 168878.756+/-0.063 χ^2/NDF:36303918397.0/10

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

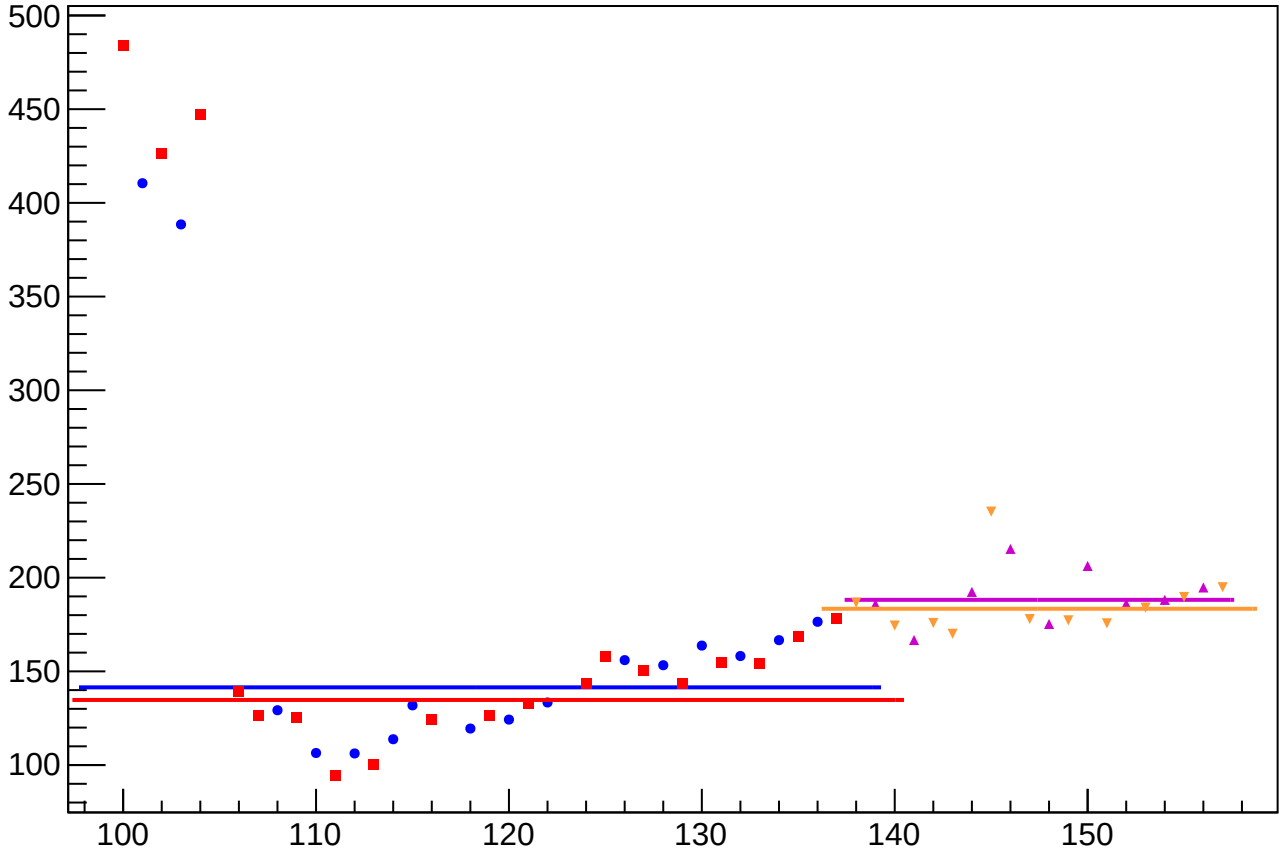
Left In: 167467.003+/-0.068 χ^2/NDF:30016839240.9/8

+ sign 162037.133+/-0.042 χ^2/NDF: 58948773184.

All: 161329.275+/-0.030 χ^2/NDF: 10689431

- sign 160632.681+/-0.042 χ^2/NDF: 47387307564.

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.407+/-0.045 χ^2/NDF:108769.1/10

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

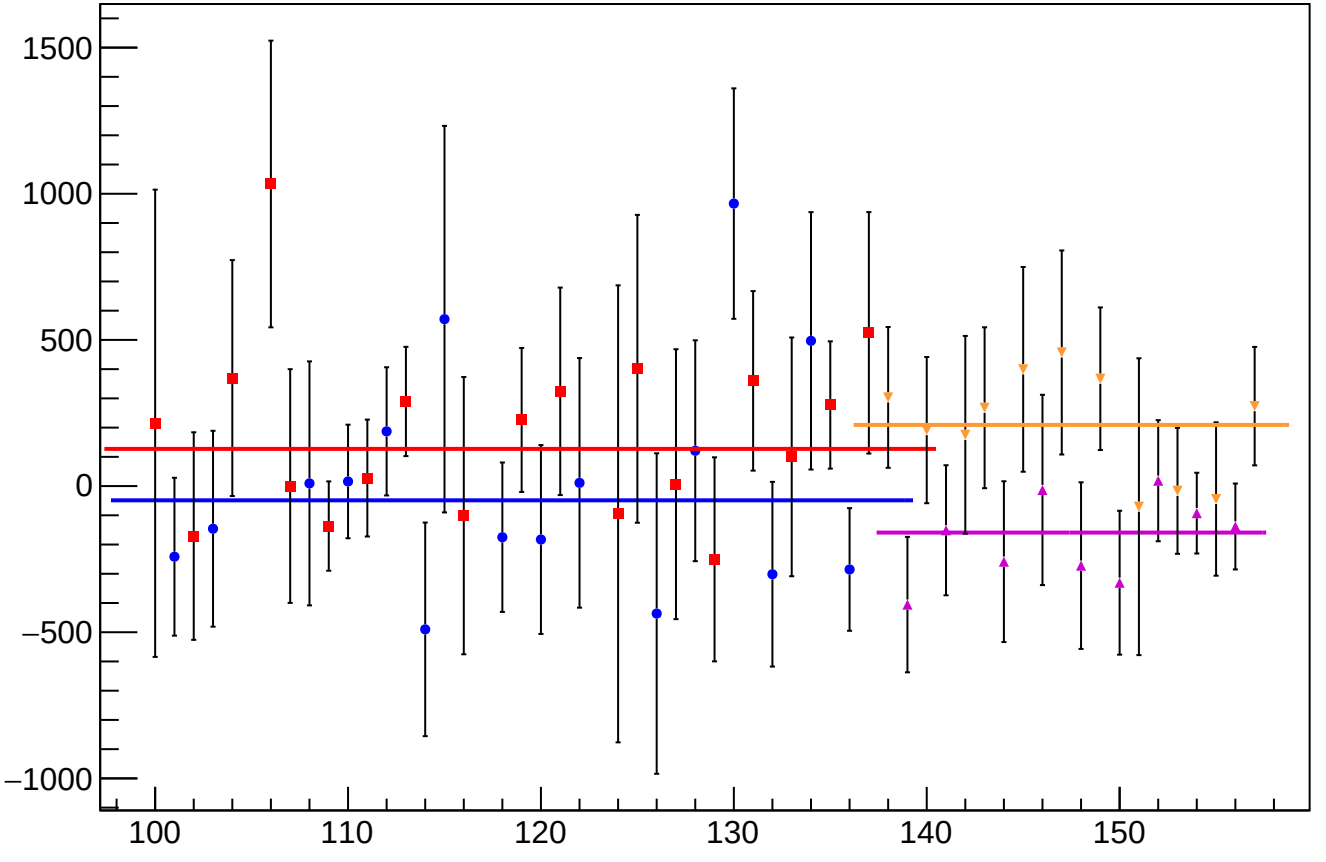
Left In: 188.169+/-0.048 χ^2/NDF:82475.7/8

+ sign 160.269+/-0.030 χ^2/NDF: 1989199.5/26

All: 157.612+/-0.021 χ^2/NDF: 4433065.9/54

- sign 154.996+/-0.030 χ^2/NDF: 2428127.6/27

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

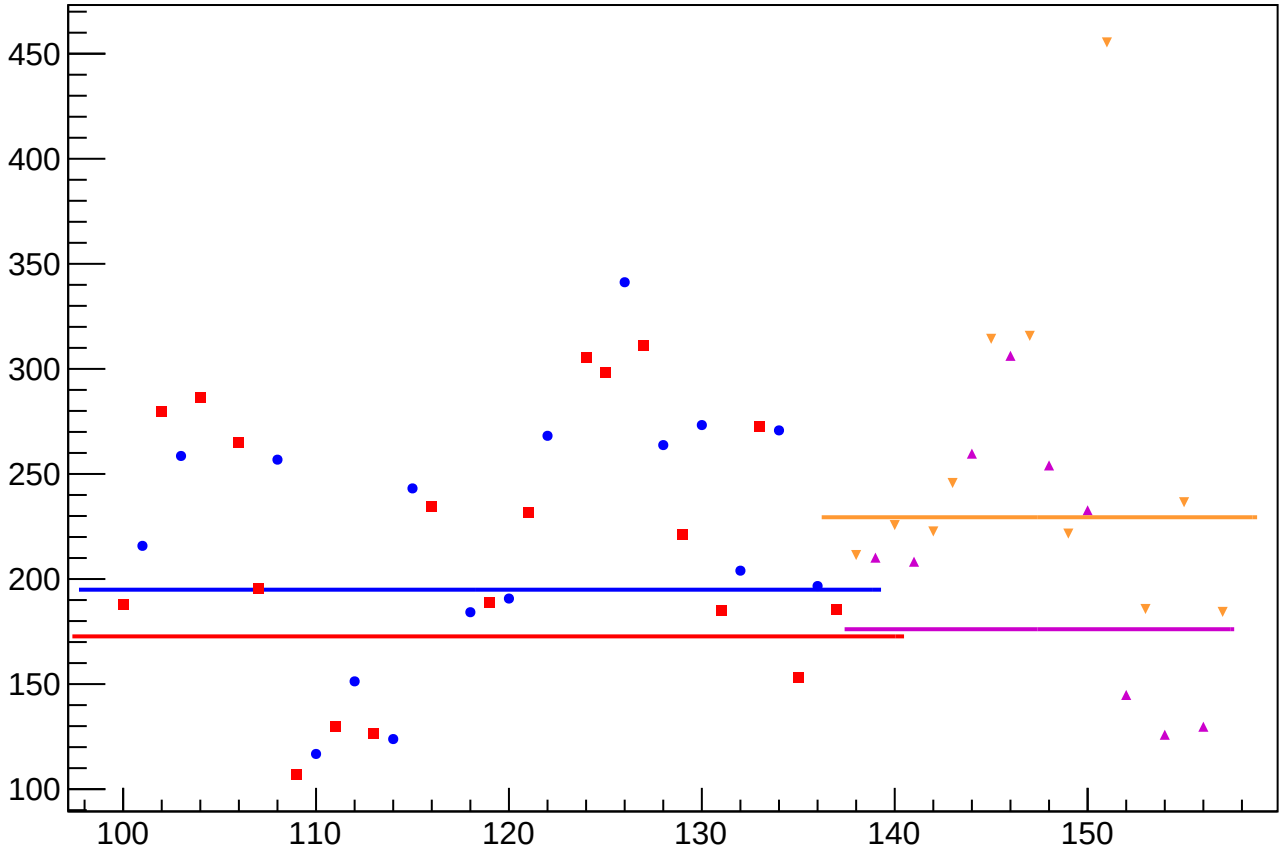
Left In: -159.076+/-68.623 χ^2/NDF:3.1/8

+ sign 73.122+/-55.634 χ^2/NDF: 24.7/26

All: 22.656+/-36.551 χ^2/NDF: 50.8/54

- sign -15.670+/-48.482 χ^2/NDF: 24.7/27

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

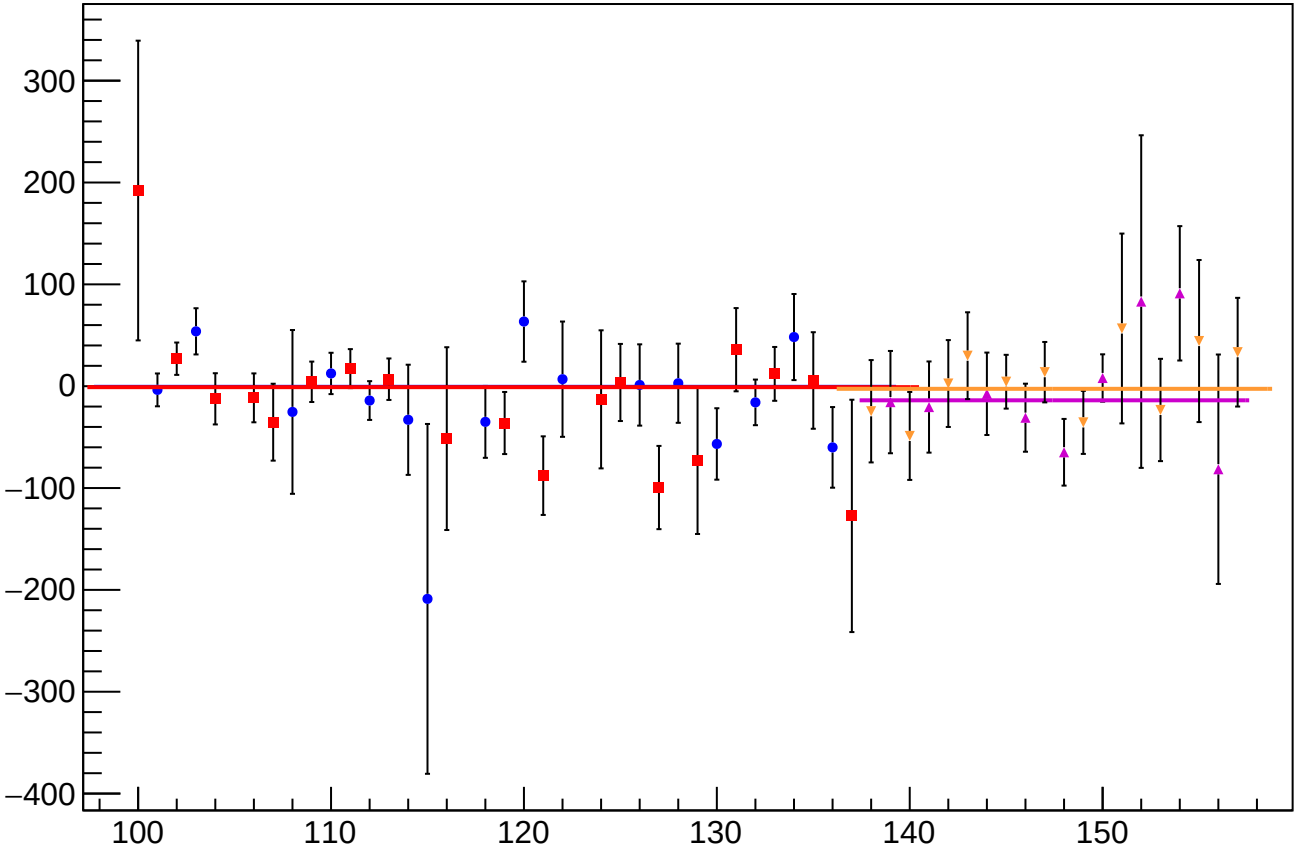
Left In: 176.113+/-0.049 χ^2/NDF:1353819.0/8

+ sign 211.209+/-0.039 χ^2/NDF: 2060384.9/26

All: 190.291+/-0.026 χ^2/NDF: 5545480.7/54

- sign 174.406+/-0.034 χ^2/NDF: 2987642.0/27

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -2.573+/-12.247 χ^2/NDF:4.8/10

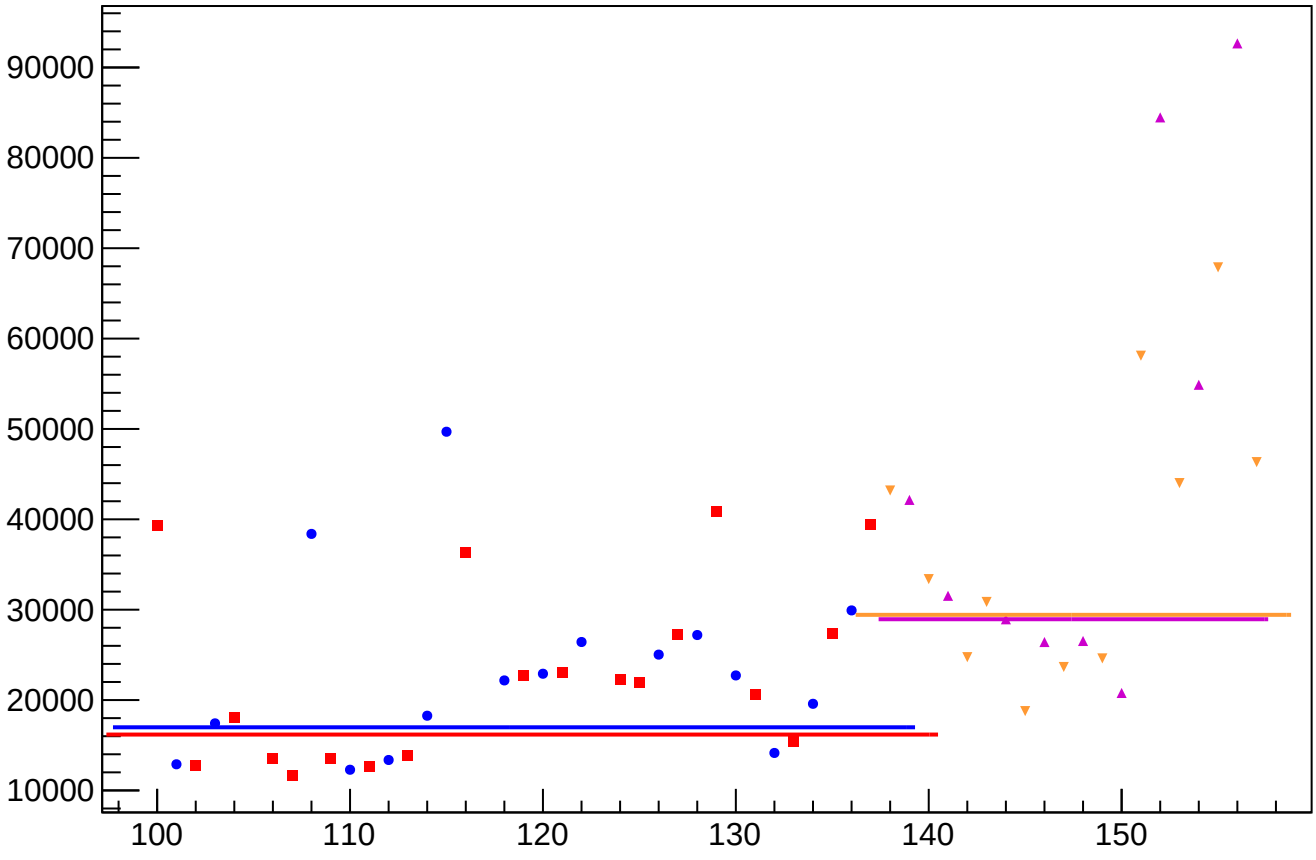
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -13.858+/-13.446 χ^2/NDF:6.9/8

+ sign -1.139+/-6.296 χ^2/NDF: 23.7/26

All: -2.393+/-4.360 χ^2/NDF: 54.5/54

- sign -3.549+/-6.045 χ^2/NDF: 30.7/27



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 29430.011+/-8.660 χ^2/NDF:1668132.7/10

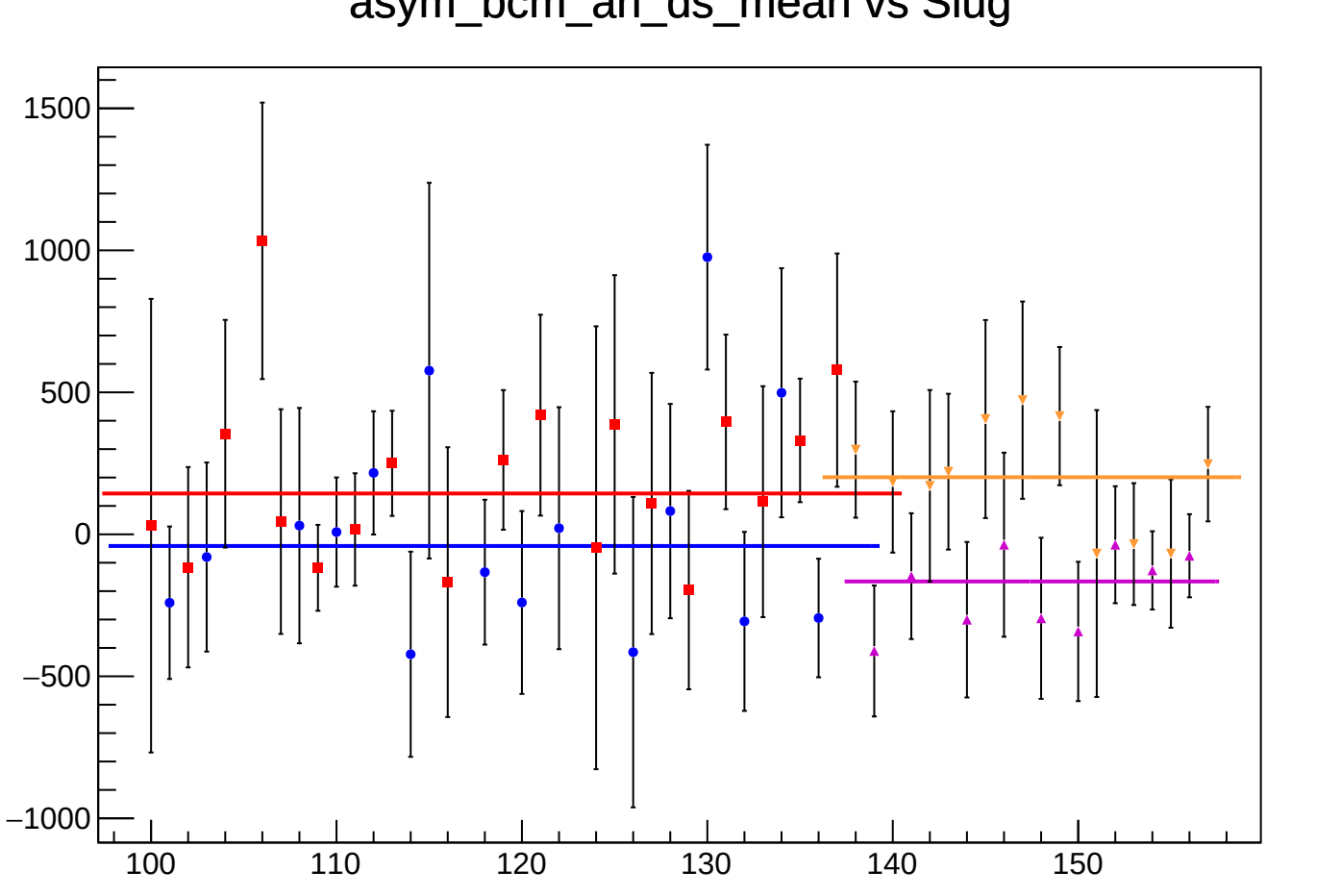
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 28943.256+/-9.508 χ^2/NDF:1593985.1/8

+ sign 20275.091+/-4.452 χ^2/NDF: 4381284.6/26

All: 19487.236+/-3.083 χ^2/NDF: 8724425.4/5

- sign 18761.038+/-4.274 χ^2/NDF: 4282956.4/27



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 201.111+/-80.589 χ^2/NDF:4.5/10

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

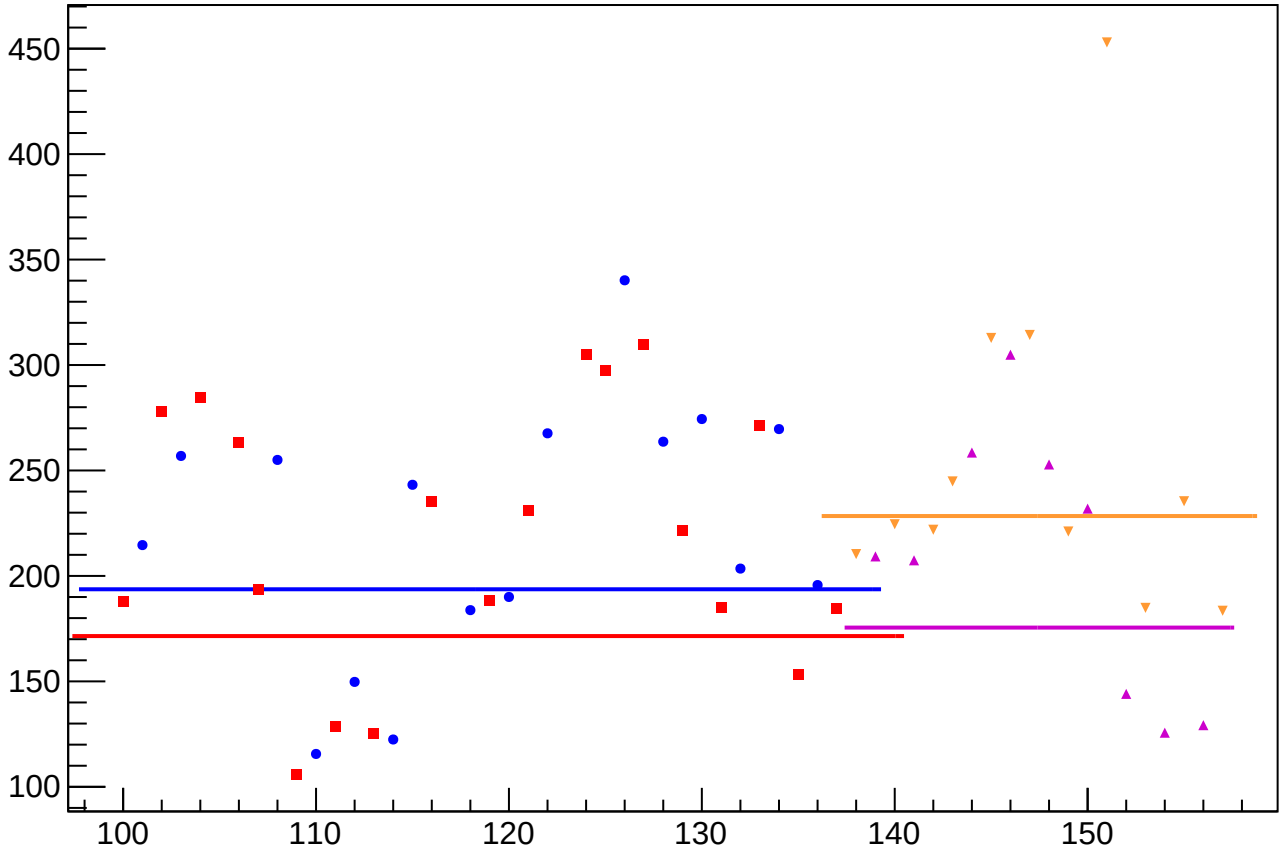
Left In: -165.960+/-68.369 χ^2/NDF:3.1/8

+ sign 73.189+/-55.352 χ^2/NDF: 24.8/26

All: 25.677+/-36.368 χ^2/NDF: 52.5/54

- sign -10.413+/-48.242 χ^2/NDF: 26.4/27

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 228.395+/-0.057 χ^2/NDF:839617.7/10

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

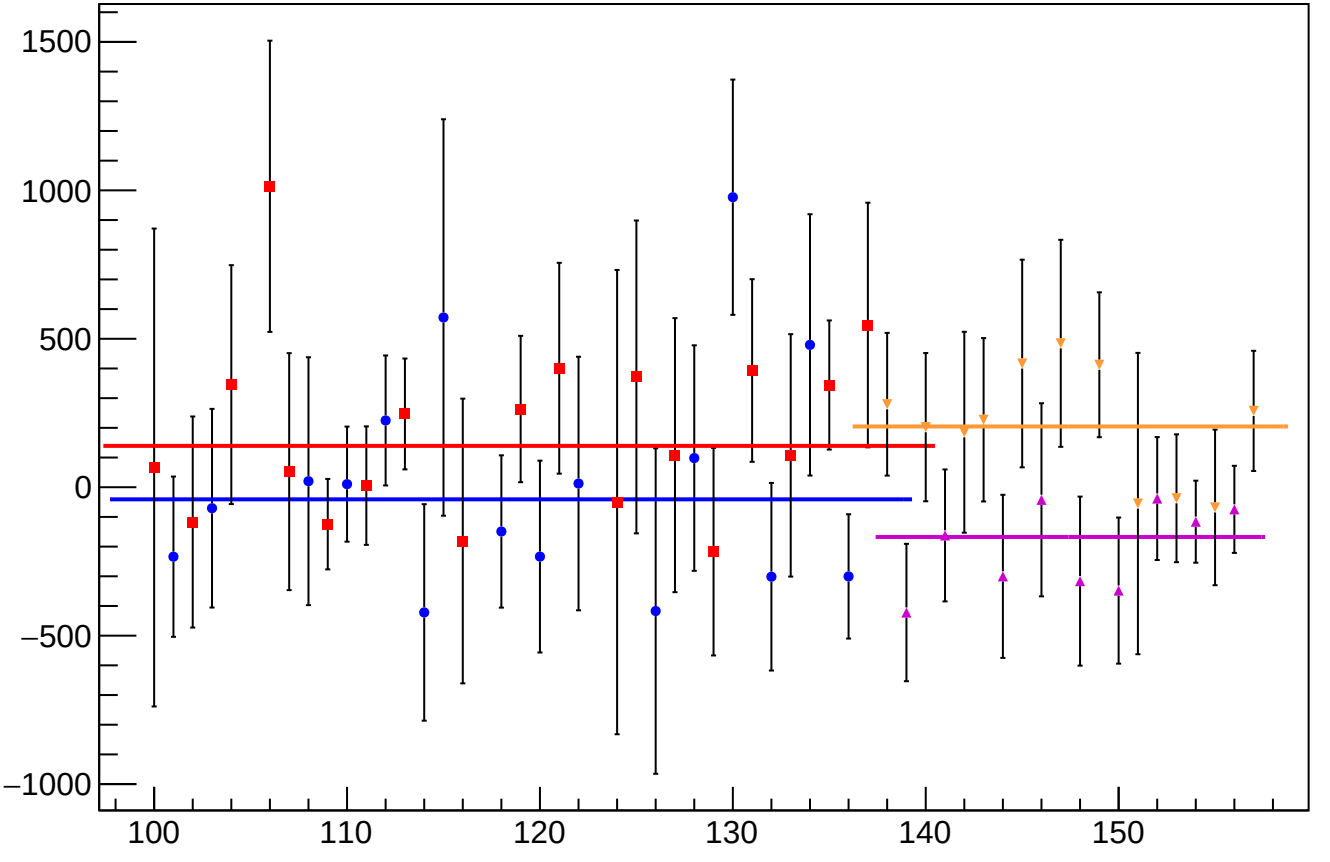
Left In: 175.503+/-0.048 χ^2/NDF:1348968.0/8

+ sign 210.051+/-0.039 χ^2/NDF: 2085540.3/26

All: 189.270+/-0.026 χ^2/NDF: 5587017.4/54

- sign 173.485+/-0.034 χ^2/NDF: 3005427.5/27

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 204.668+/-80.863 χ^2/NDF:4.5/10

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

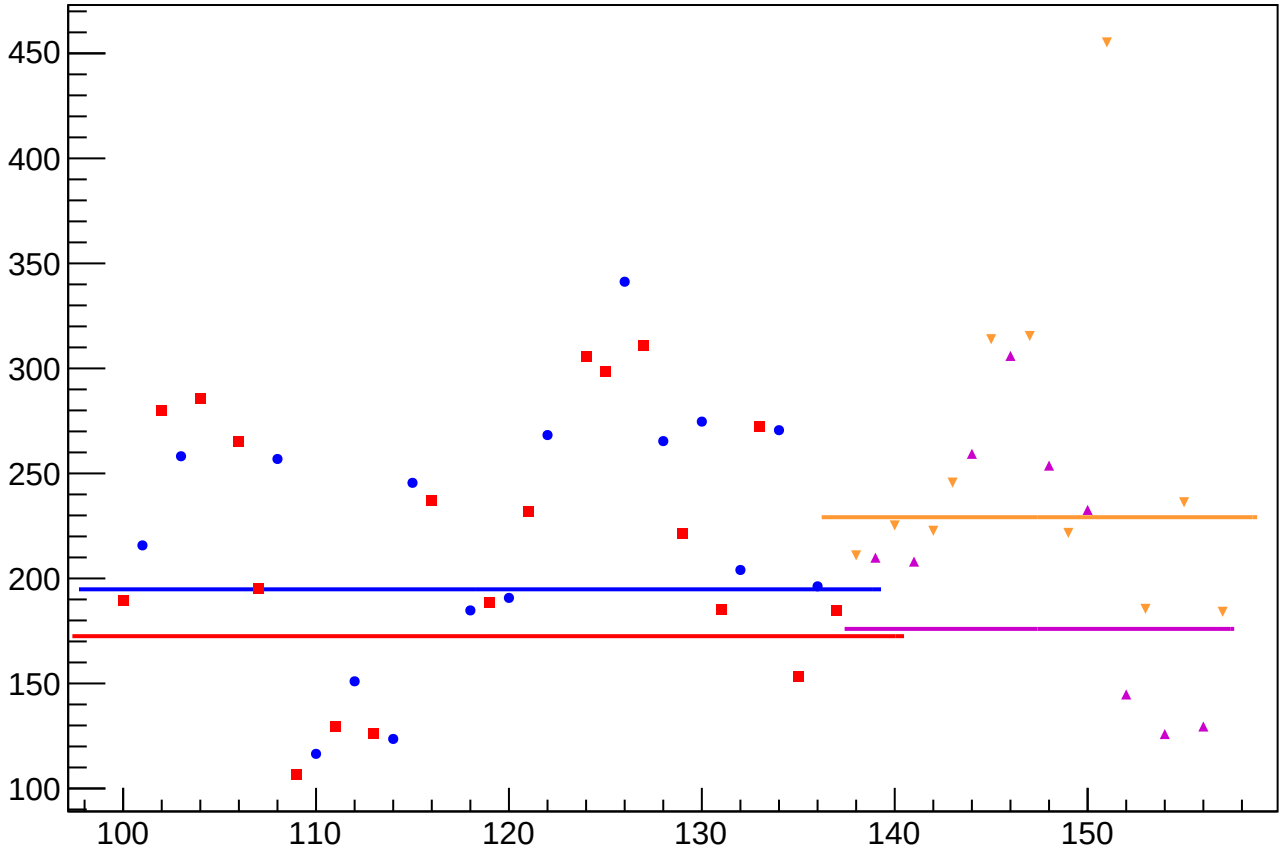
Left In: -167.573+/-68.566 χ^2/NDF:3.3/8

+ sign 75.261+/-55.602 χ^2/NDF: 24.8/26

All: 24.576+/-36.526 χ^2/NDF: 52.5/54

- sign -13.901+/-48.446 χ^2/NDF: 26.2/27

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 229.156+/-0.057 χ^2/NDF:841013.7/10

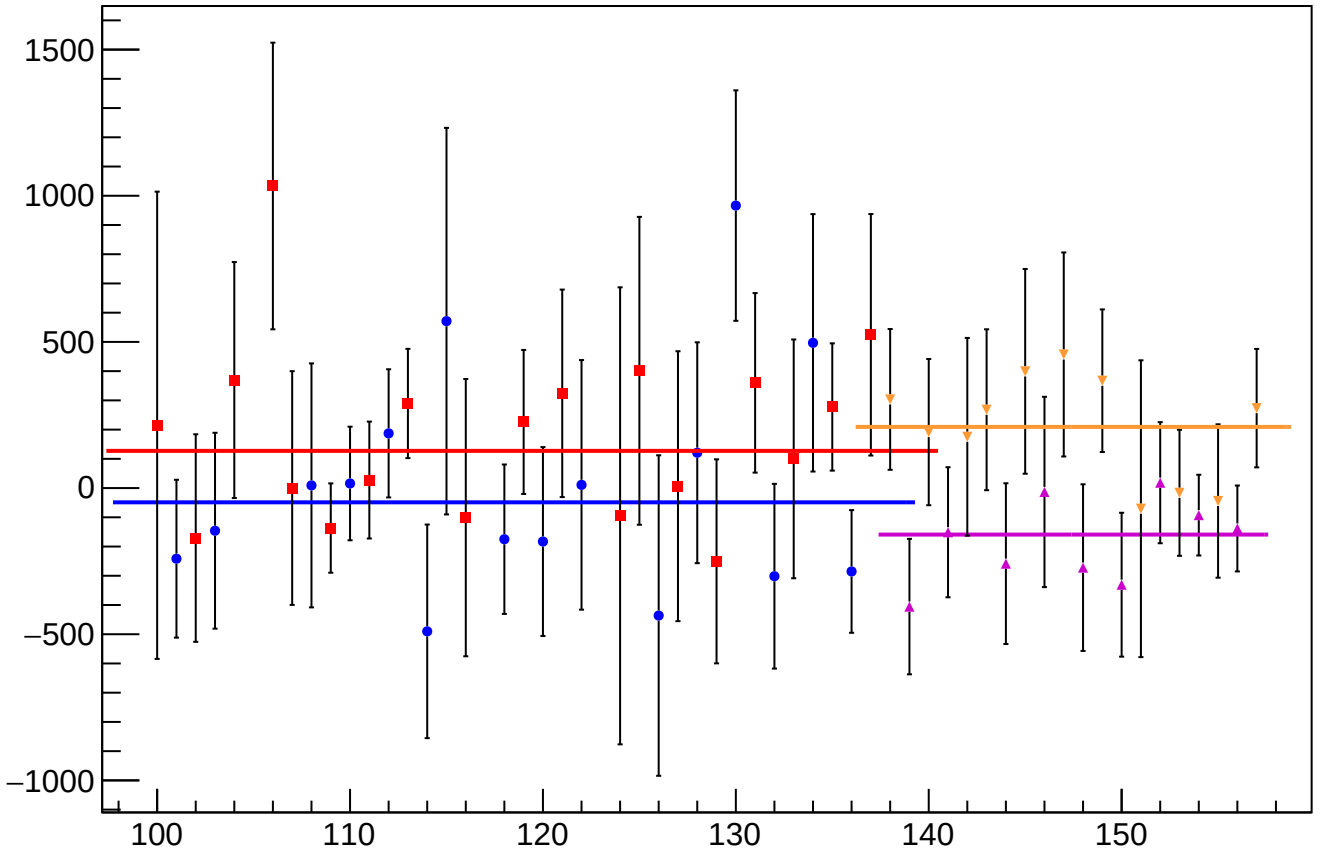
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 175.976+/-0.048 χ^2/NDF:1352293.7/8

+ sign 211.054+/-0.039 χ^2/NDF: 2070216.7/26

All: 190.126+/-0.026 χ^2/NDF: 5565558.2/54

- sign 174.238+/-0.034 χ^2/NDF: 2996916.4/27



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 209.241+/-80.945 χ^2/NDF:3.9/10

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

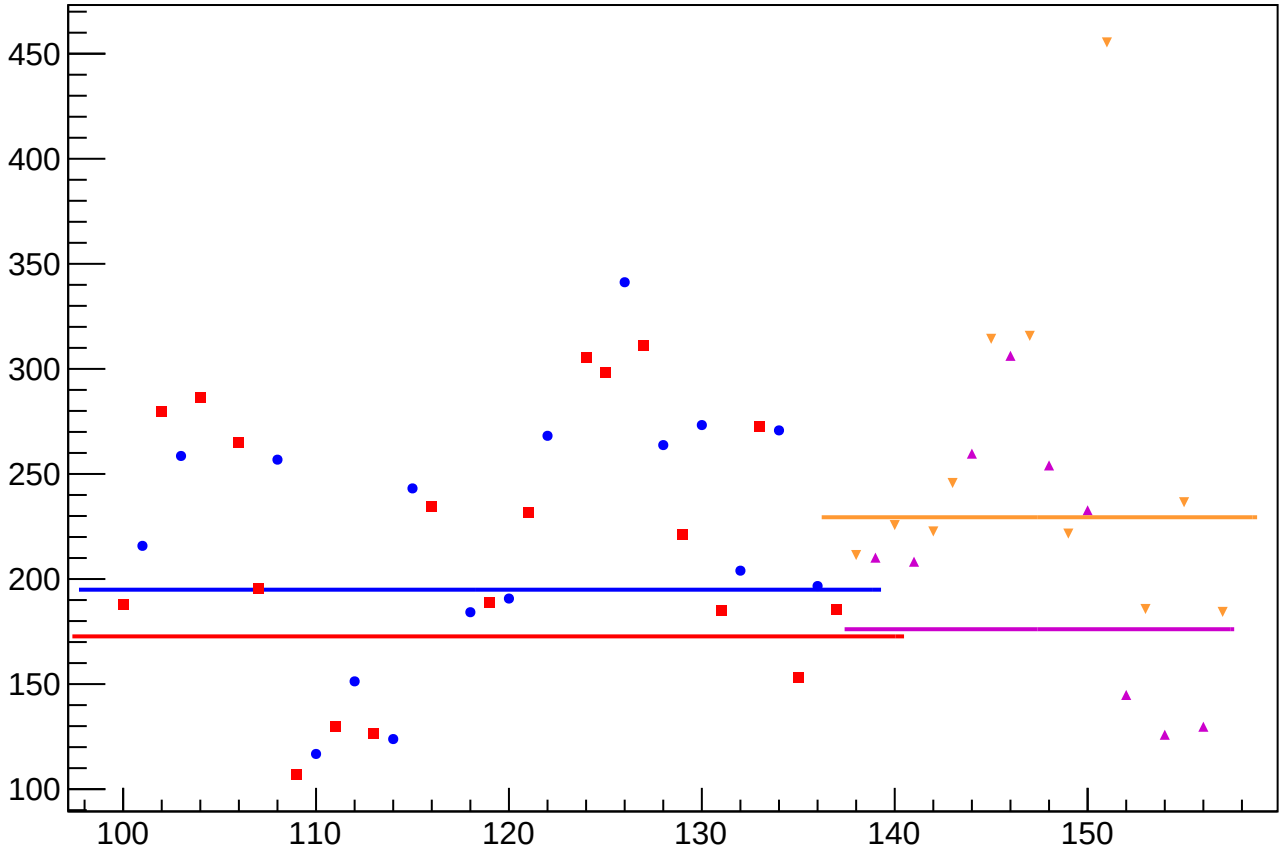
Left In: -159.076+/-68.623 χ^2/NDF:3.1/8

+ sign 73.122+/-55.634 χ^2/NDF: 24.7/26

All: 22.656+/-36.551 χ^2/NDF: 50.8/54

- sign -15.670+/-48.482 χ^2/NDF: 24.7/27

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 229.399+/-0.057 χ^2/NDF:840050.1/10

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

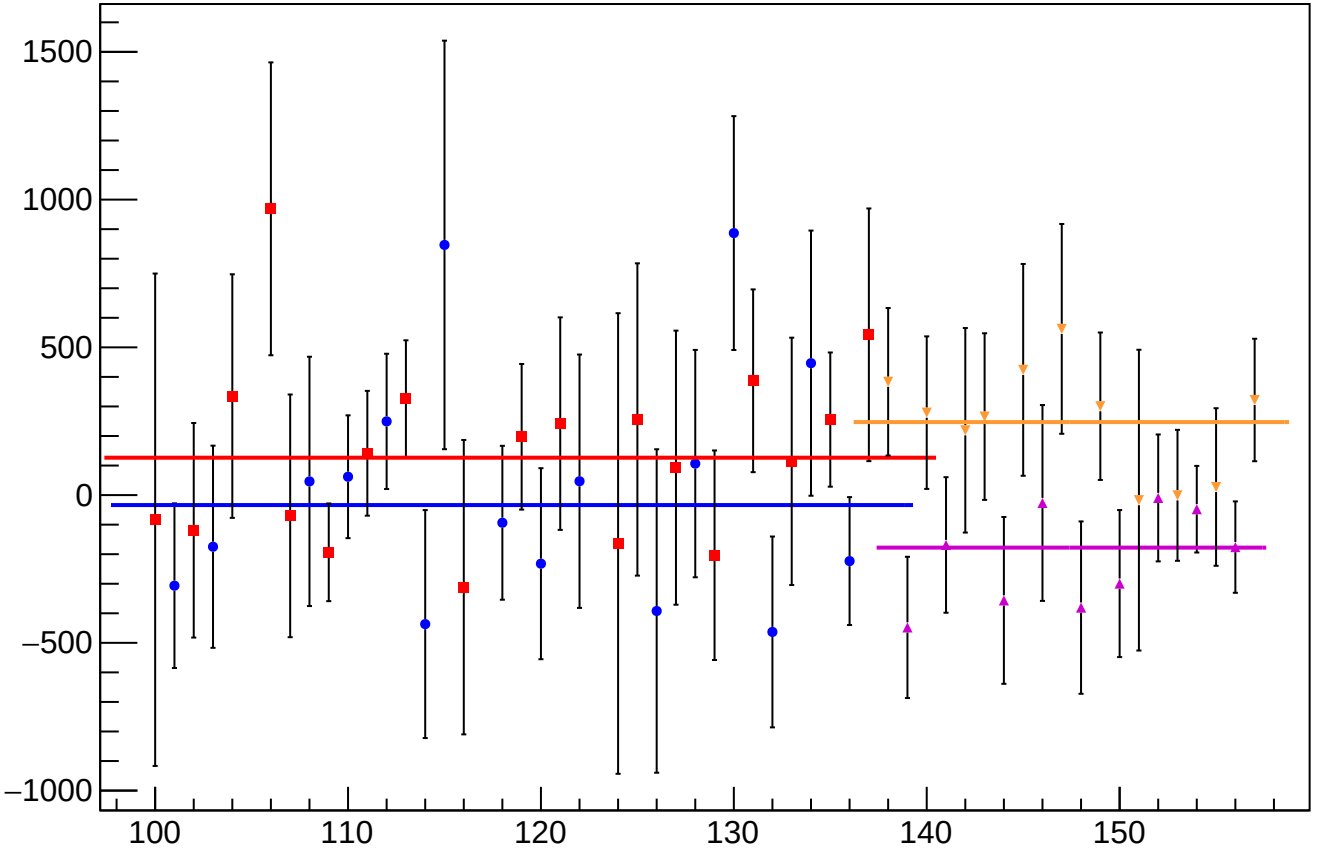
Left In: 176.113+/-0.049 χ^2/NDF:1353819.0/8

+ sign 211.209+/-0.039 χ^2/NDF: 2060384.9/26

All: 190.291+/-0.026 χ^2/NDF: 5545480.7/54

- sign 174.406+/-0.034 χ^2/NDF: 2987642.0/27

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 247.053+/-82.940 χ^2/NDF:3.7/10

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

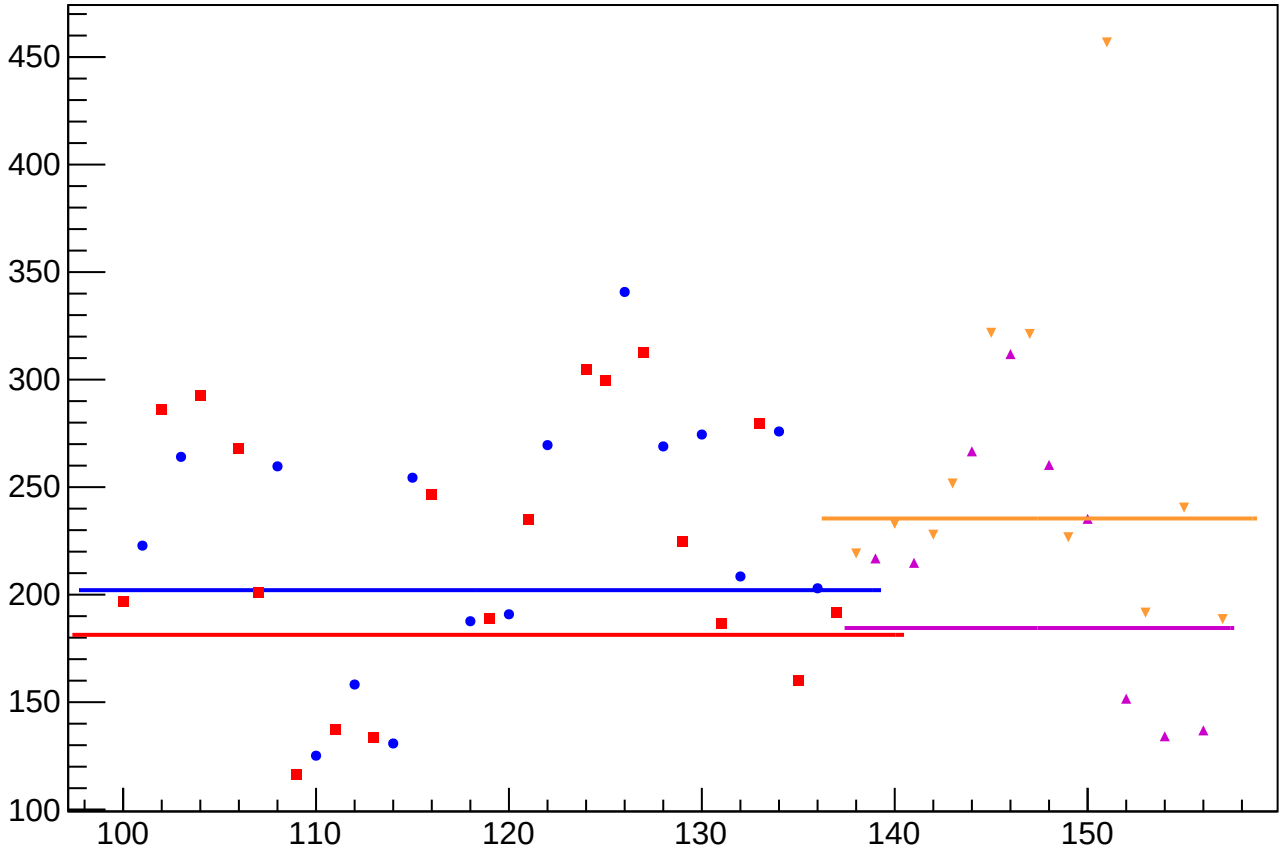
Left In: -177.755+/-71.407 χ^2/NDF:4.0/8

+ sign 99.826+/-57.202 χ^2/NDF: 25.5/26

All: 29.406+/-37.840 χ^2/NDF: 54.0/54

- sign -25.387+/-50.458 χ^2/NDF: 25.8/27

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 235.423+/-0.059 χ^2/NDF:810795.3/10

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

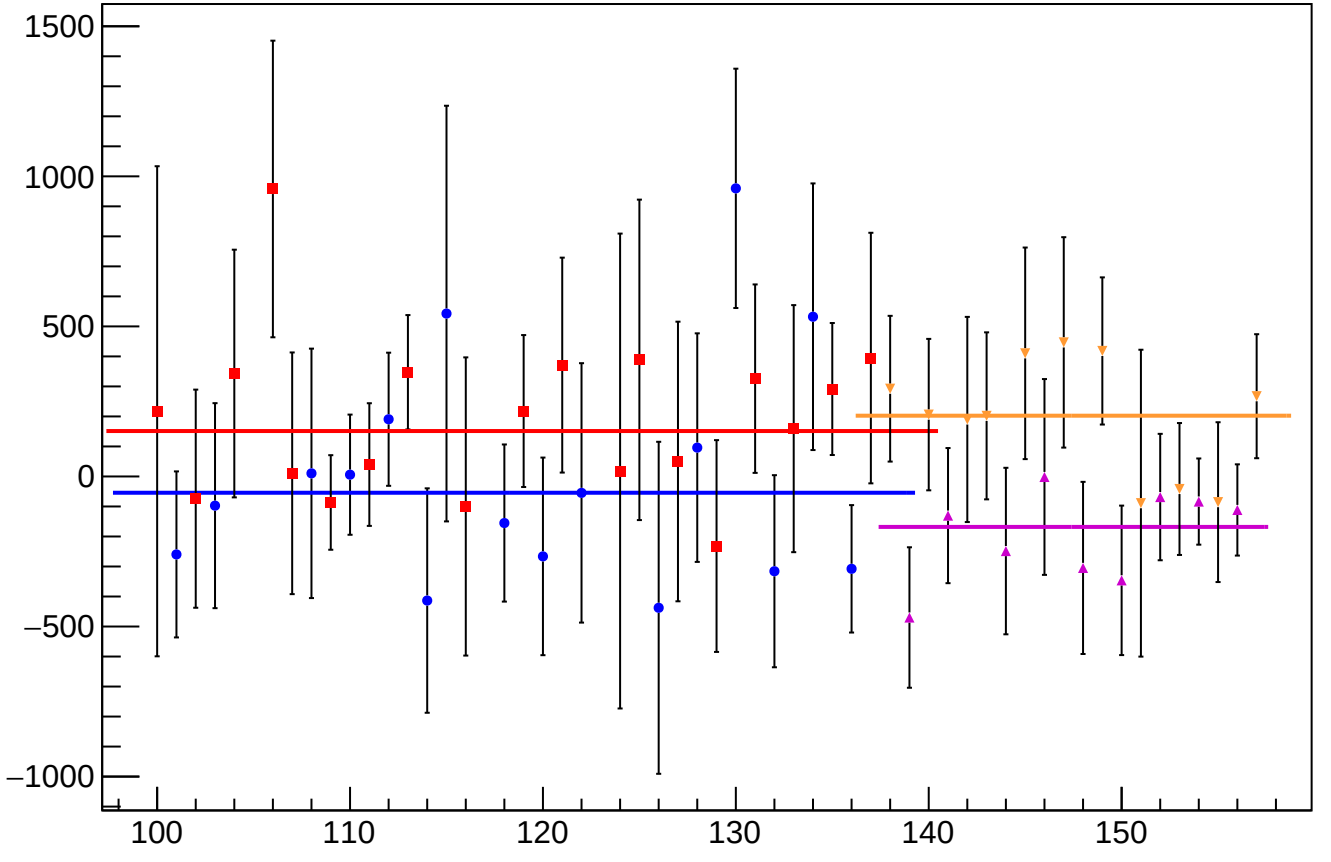
Left In: 184.492+/-0.050 χ^2/NDF:1227389.8/8

+ sign 217.945+/-0.040 χ^2/NDF: 1890439.3/26

All: 198.236+/-0.027 χ^2/NDF: 4982997.8/54

- sign 182.900+/-0.036 χ^2/NDF: 2670365.2/27

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 202.484+/-81.914 χ^2/NDF:4.6/10

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

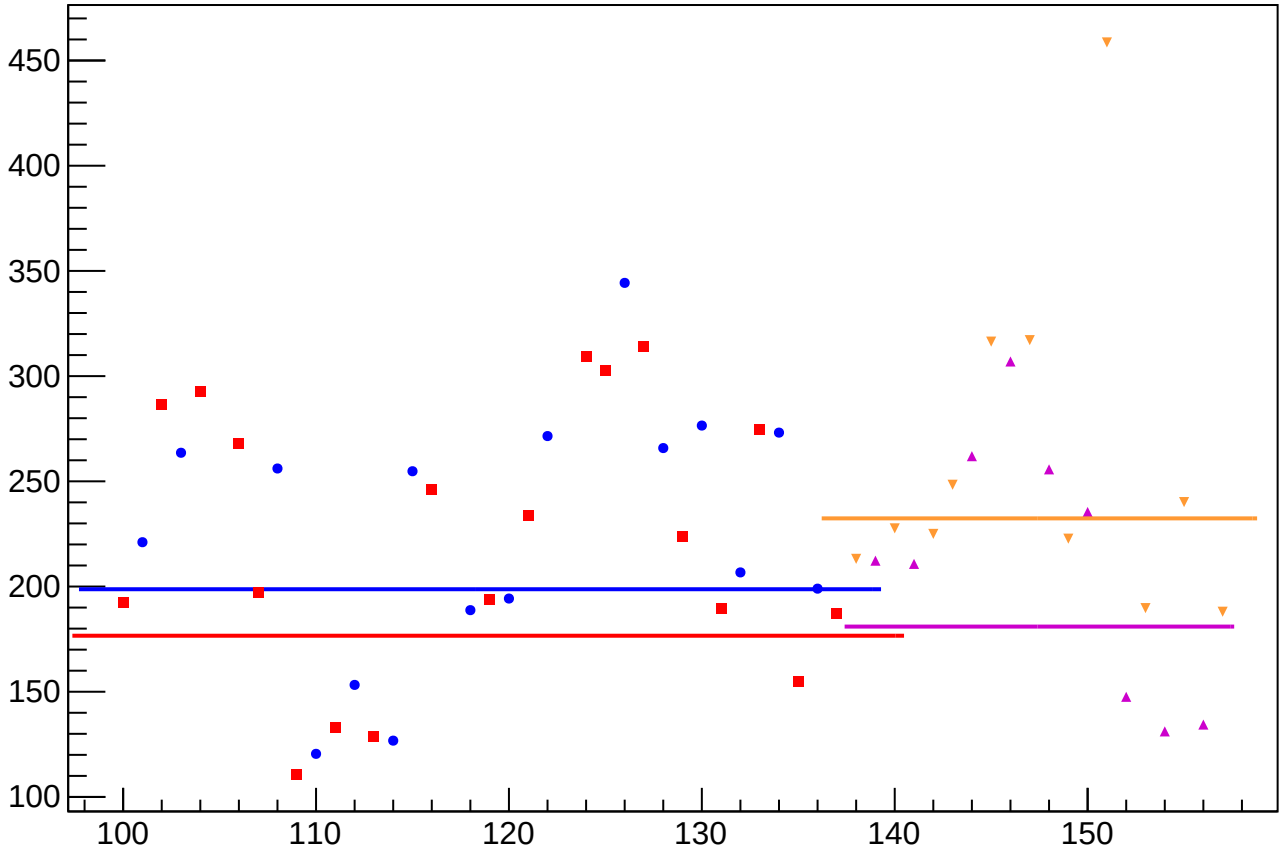
Left In: -168.098+/-70.189 χ^2/NDF:3.5/8

\+ sign 67.745+/-56.467 χ^2/NDF: 24.8/26

All: 25.098+/-37.235 χ^2/NDF: 49.9/54

\- sign -7.714+/-49.529 χ^2/NDF: 24.1/27

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 232.391+/-0.058 χ^2/NDF:814989.1/10

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

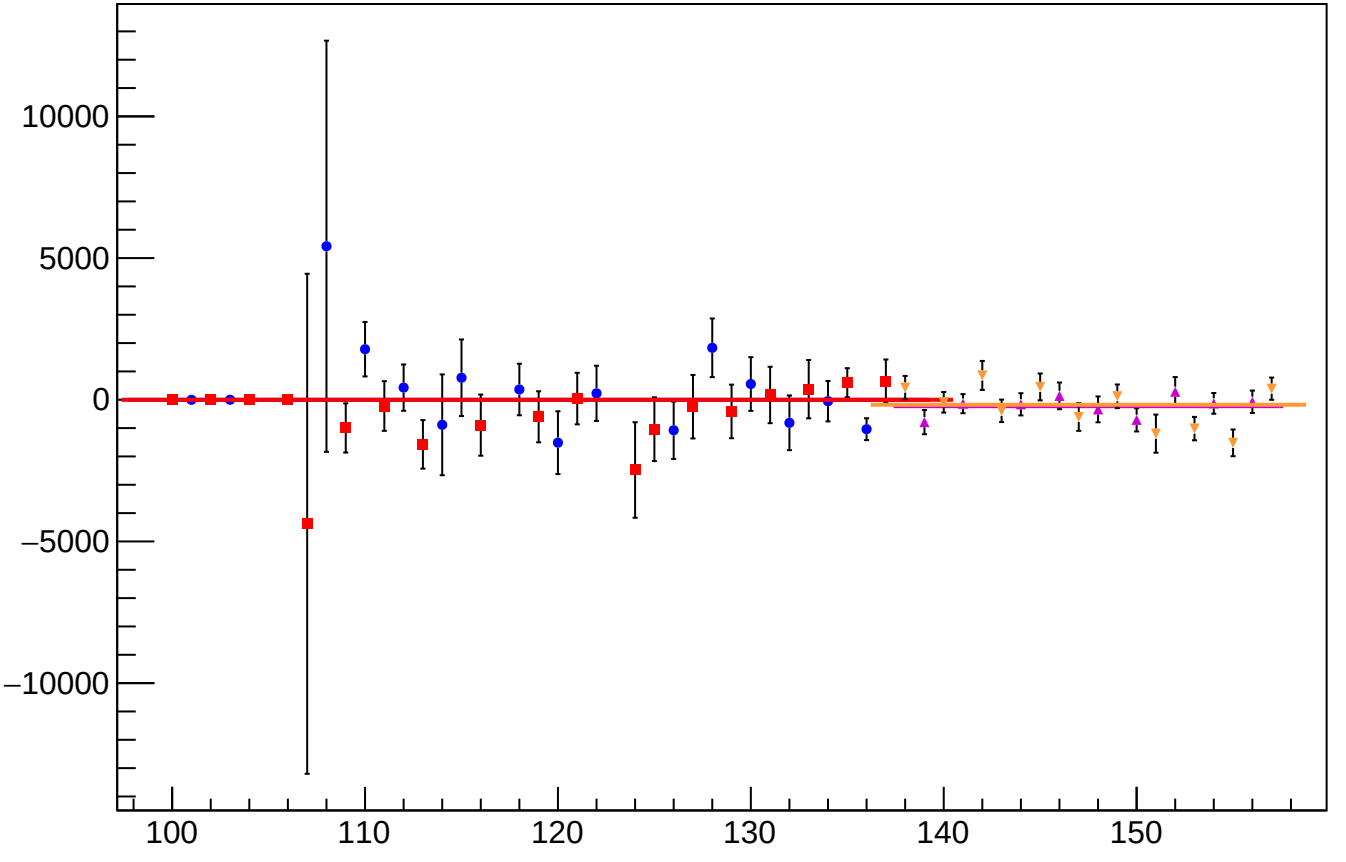
Left In: 180.968+/-0.050 χ^2/NDF:1249727.1/8

+ sign 214.720+/-0.040 χ^2/NDF: 1986425.5/26

All: 194.411+/-0.026 χ^2/NDF: 5293465.0/54

- sign 178.786+/-0.035 χ^2/NDF: 2849287.4/27

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -176.376+/-132.357 χ^2/NDF:26.3/10

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

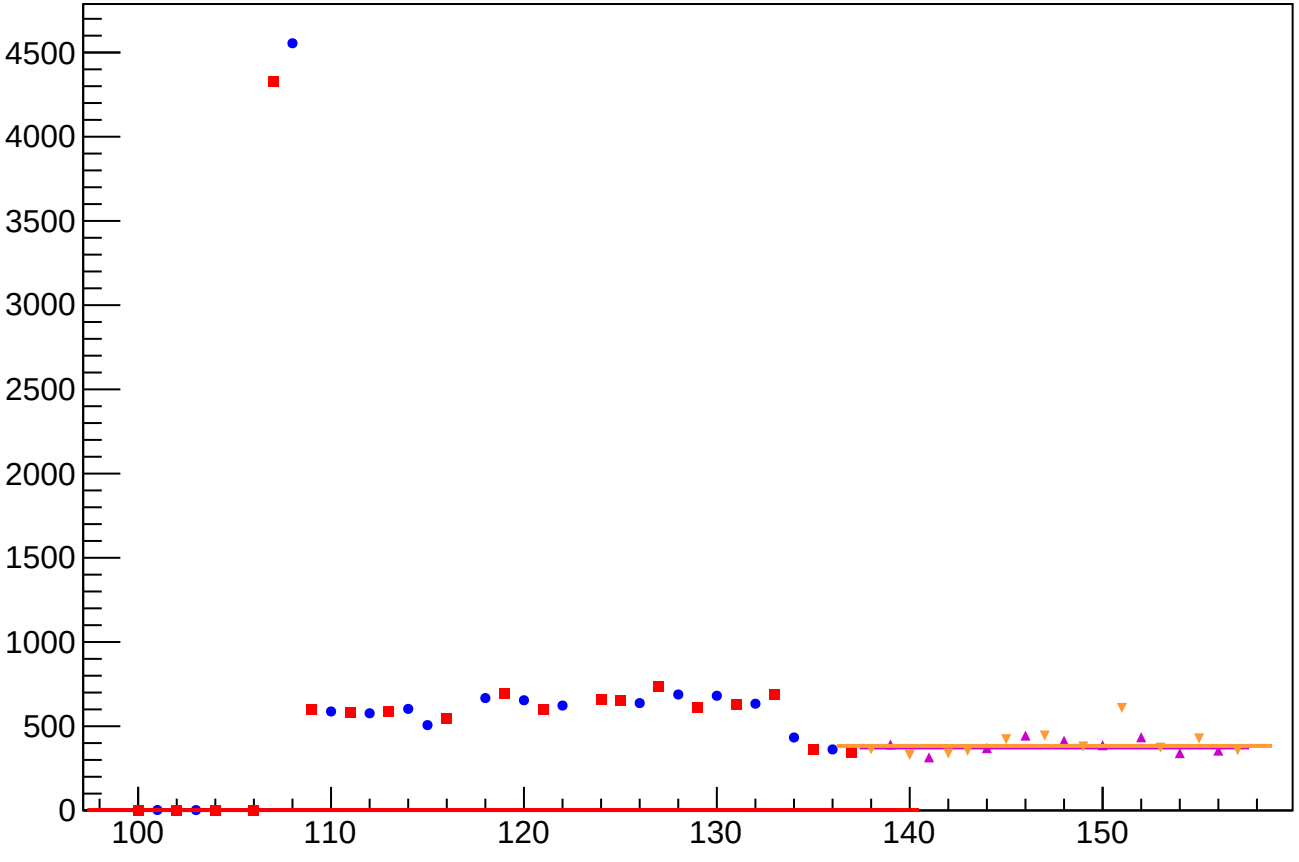
Left In: -226.412+/-136.453 χ^2/NDF:5.1/8

+ sign -1.286+/-2.171 χ^2/NDF: 48.0/26

All: -1.361+/-1.480 χ^2/NDF: 72.6/54

- sign -1.427+/-2.022 χ^2/NDF: 24.6/27

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.228+/-0.094 χ^2/NDF:372377.9/10

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

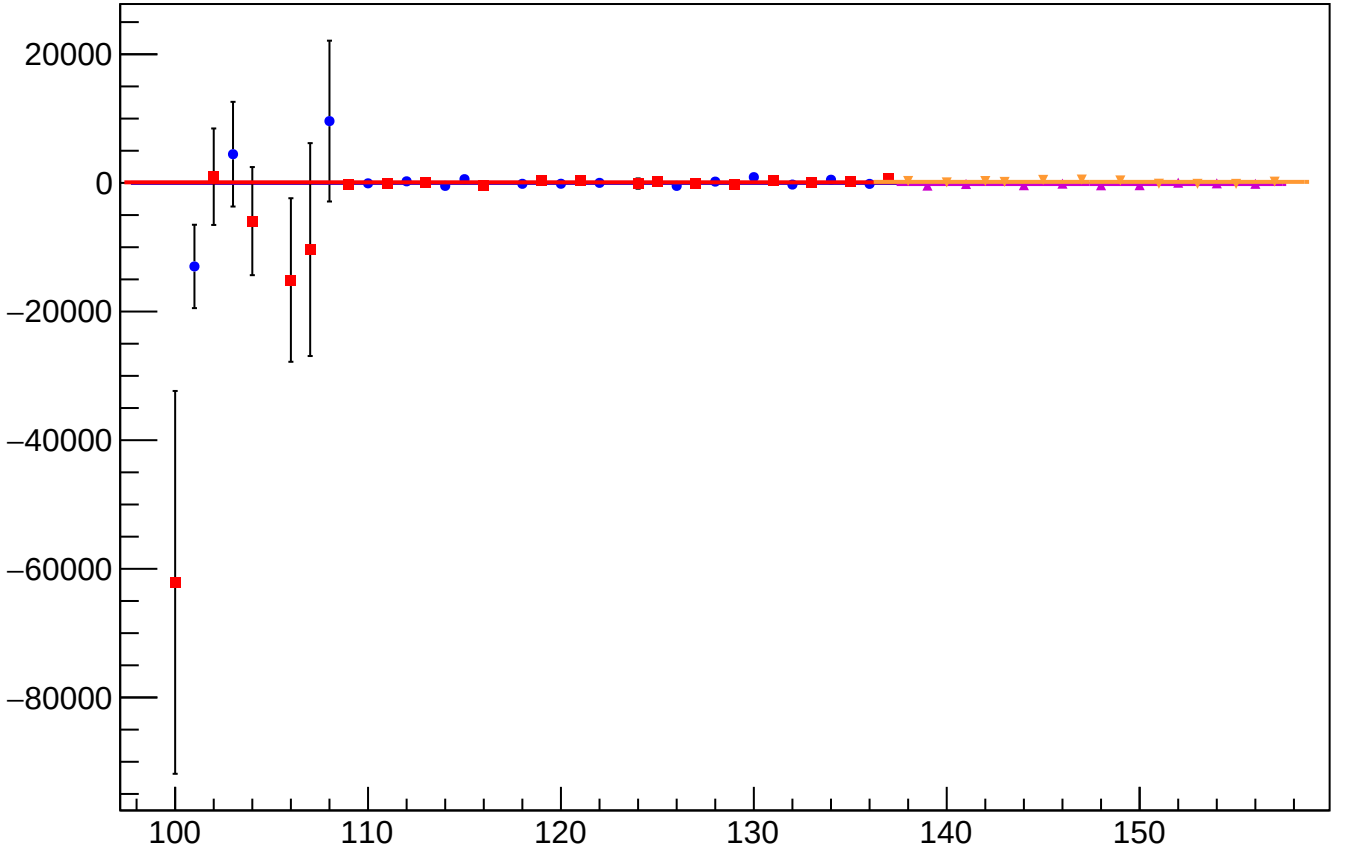
Left In: 374.094+/-0.096 χ^2/NDF:175334.3/8

+ sign 2.579+/-0.002 χ^2/NDF: 28544908.3/26

All: 2.560+/-0.001 χ^2/NDF: 55097902.0/54

- sign 2.544+/-0.001 χ^2/NDF: 26552710.3/27

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 159.495+/-87.583 χ^2/NDF:6.0/10

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

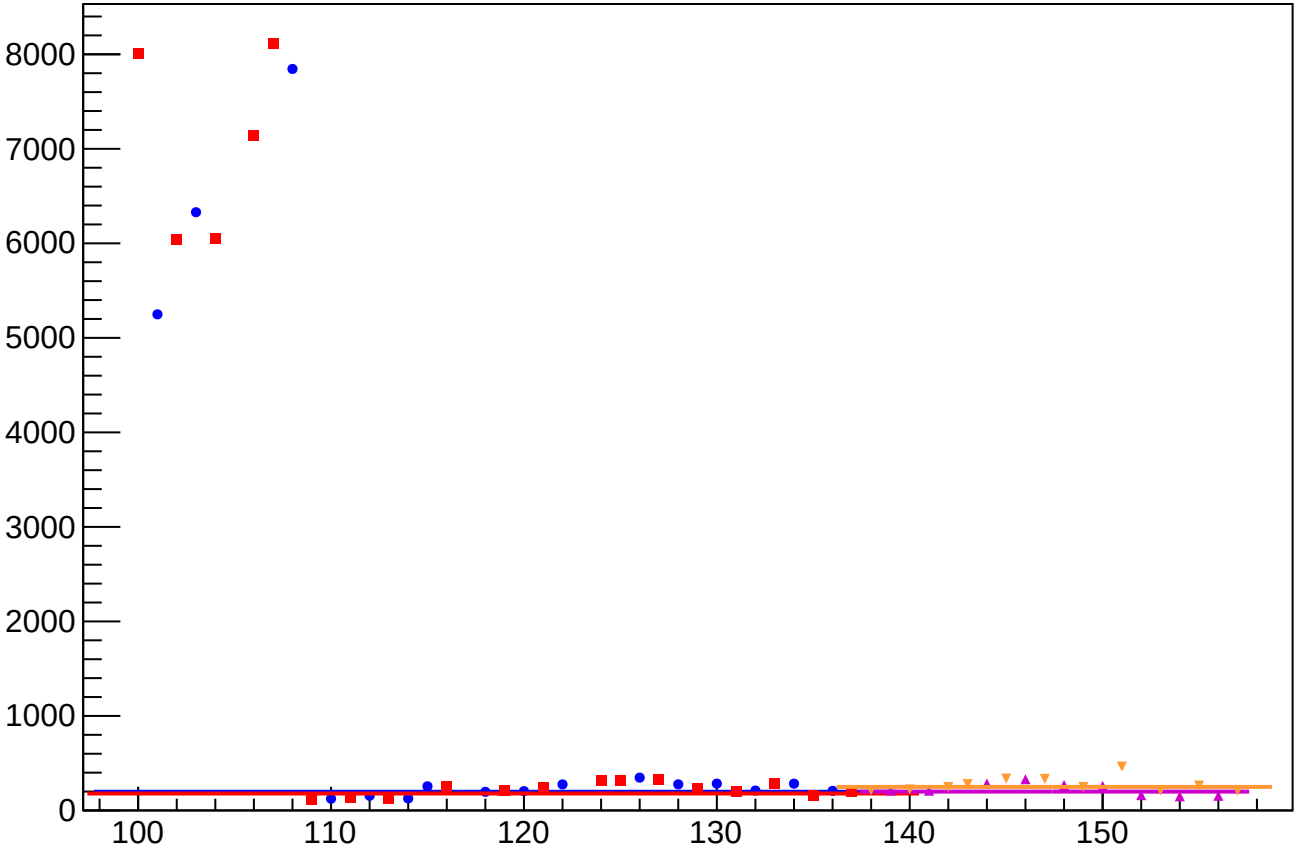
Left In: -179.081+/-76.486 χ^2/NDF:3.7/8

+ sign 80.252+/-62.015 χ^2/NDF: 24.4/26

All: 5.994+/-41.483 χ^2/NDF: 51.3/54

- sign -54.138+/-55.806 χ^2/NDF: 24.2/27

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 249.077+/-0.062 χ^2/NDF:766793.5/10

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

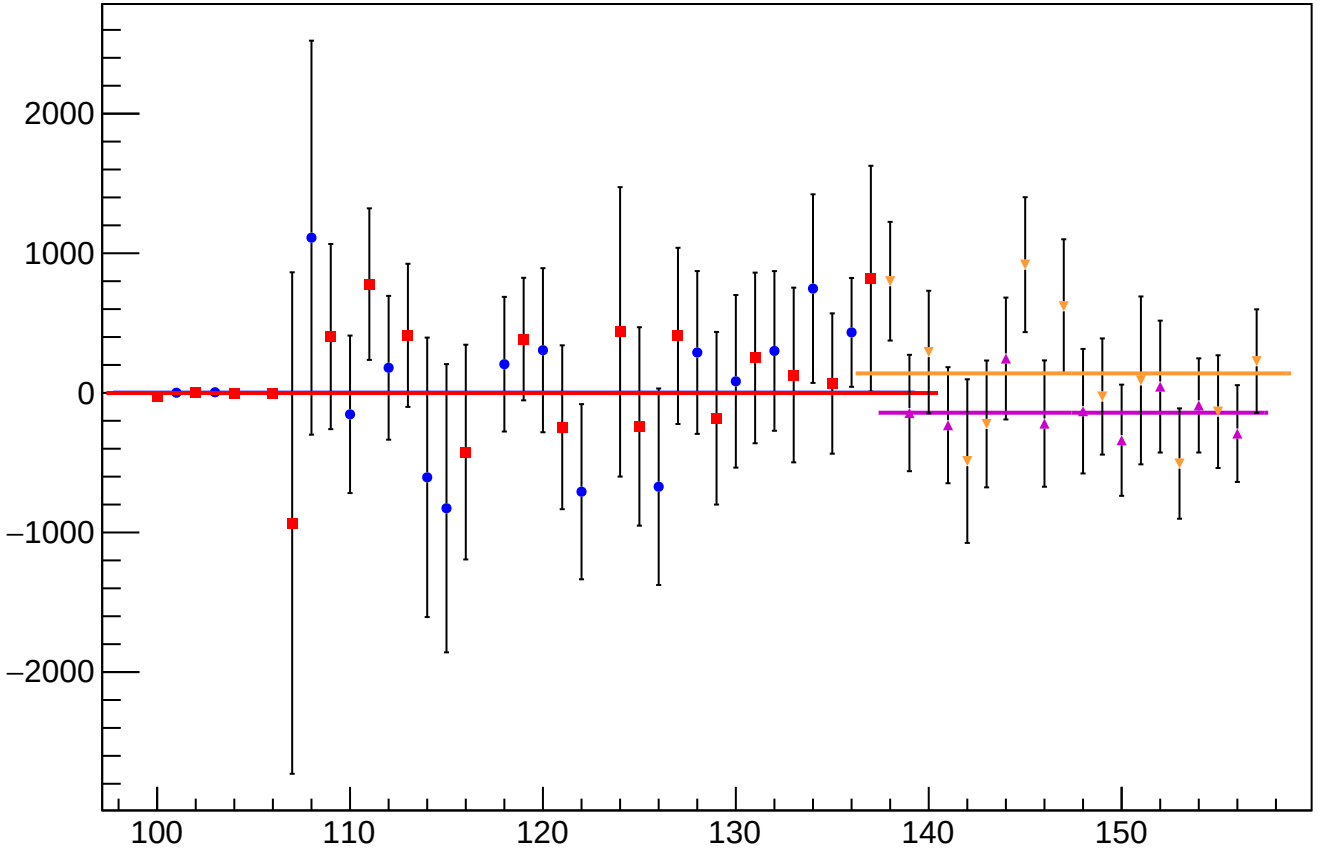
Left In: 199.399+/-0.054 χ^2/NDF:1018203.3/8

+ sign 223.419+/-0.044 χ^2/NDF: 5068226.9/26

All: 204.940+/-0.029 χ^2/NDF: 10891132.5/54

- sign 189.976+/-0.039 χ^2/NDF: 5501537.8/27

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 139.626+/-134.328 χ^2/NDF:11.3/10

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

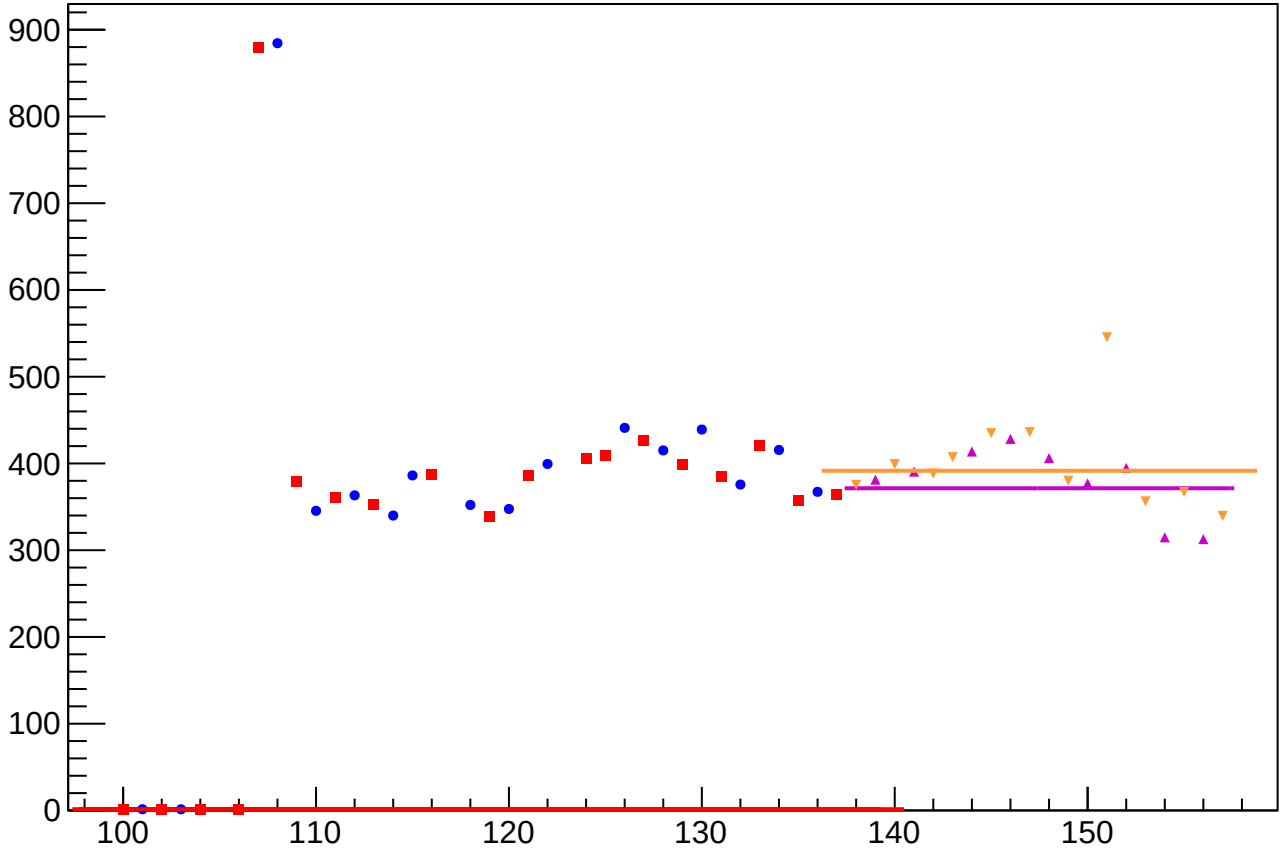
Left In: -142.217+/-135.321 χ^2/NDF:1.5/8

+ sign 1.477+/-1.660 χ^2/NDF: 20.2/26

All: 0.075+/-1.124 χ^2/NDF: 33.3/54

- sign -1.112+/-1.528 χ^2/NDF: 11.7/27

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 391.583+/-0.095 χ^2/NDF:234383.5/10

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

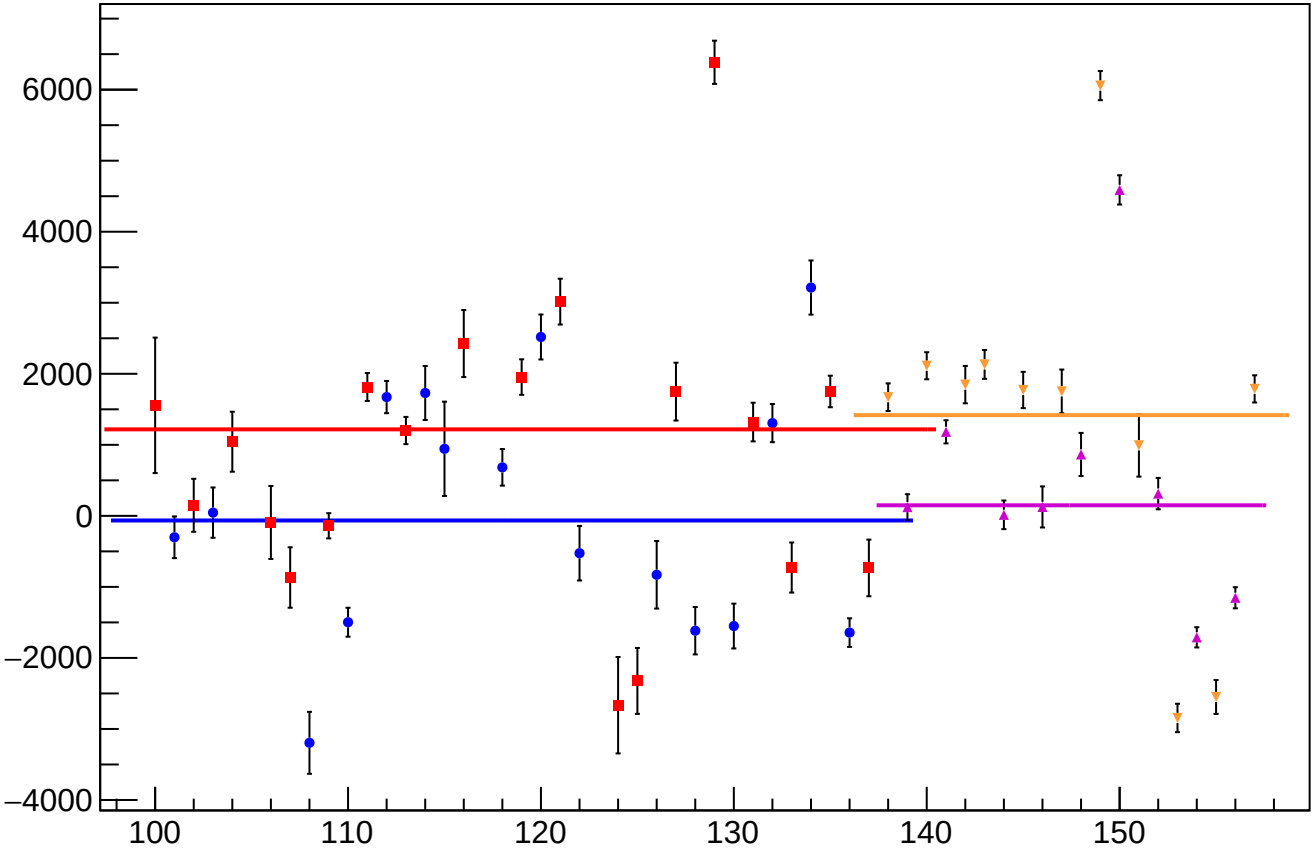
Left In: 371.420+/-0.096 χ^2/NDF:186687.8/8

\+ sign 1.530+/-0.001 χ^2/NDF: 28835819.7/26

All: 1.521+/-0.001 χ^2/NDF: 55239438.6/54

\- sign 1.514+/-0.001 χ^2/NDF: 26403524.9/27

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1417.914+/-67.834 χ^2/NDF:1280.5/10

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

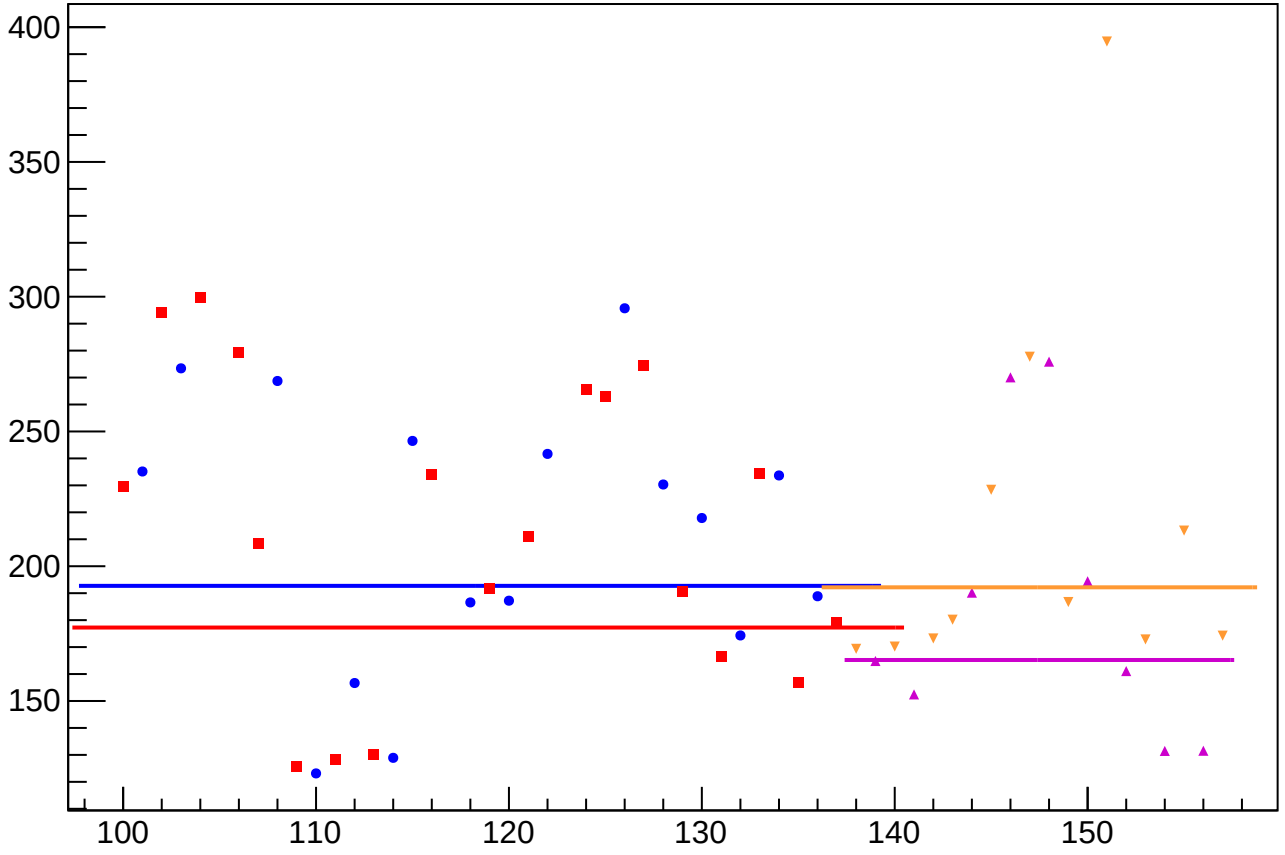
Left In: 148.597+/-62.748 χ^2/NDF:758.5/8

+ sign 749.638+/-50.278 χ^2/NDF: 1965.3/26

All: 686.377+/-34.110 χ^2/NDF: 3452.8/54

- sign 632.428+/-46.430 χ^2/NDF: 1484.5/27

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.173+/-0.048 χ^2/NDF:742316.6/10

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

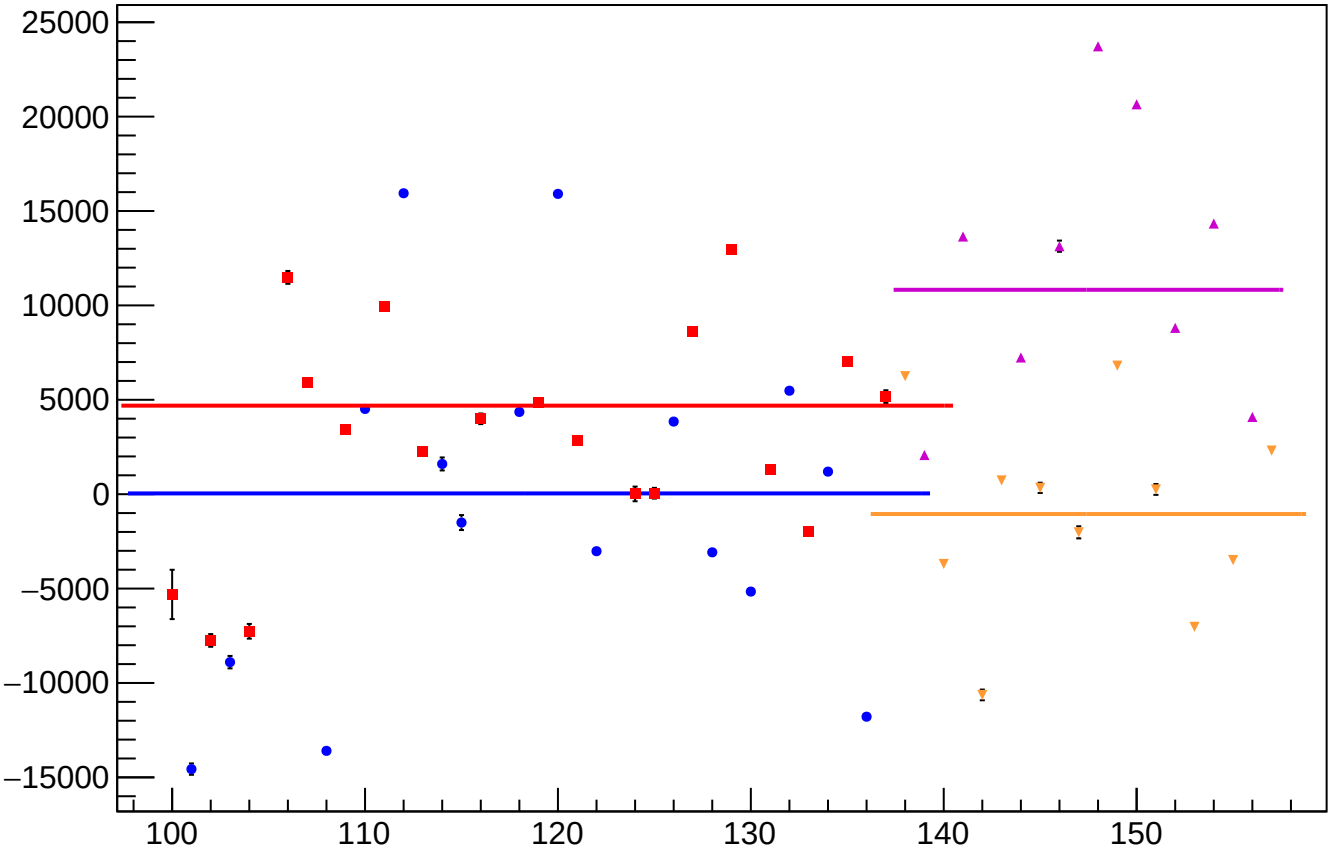
Left In: 165.212+/-0.044 χ^2/NDF:828492.0/8

+ sign 192.419+/-0.036 χ^2/NDF: 1501521.3/26

All: 180.675+/-0.024 χ^2/NDF: 3791698.8/54

- sign 170.660+/-0.033 χ^2/NDF: 2087987.7/27

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

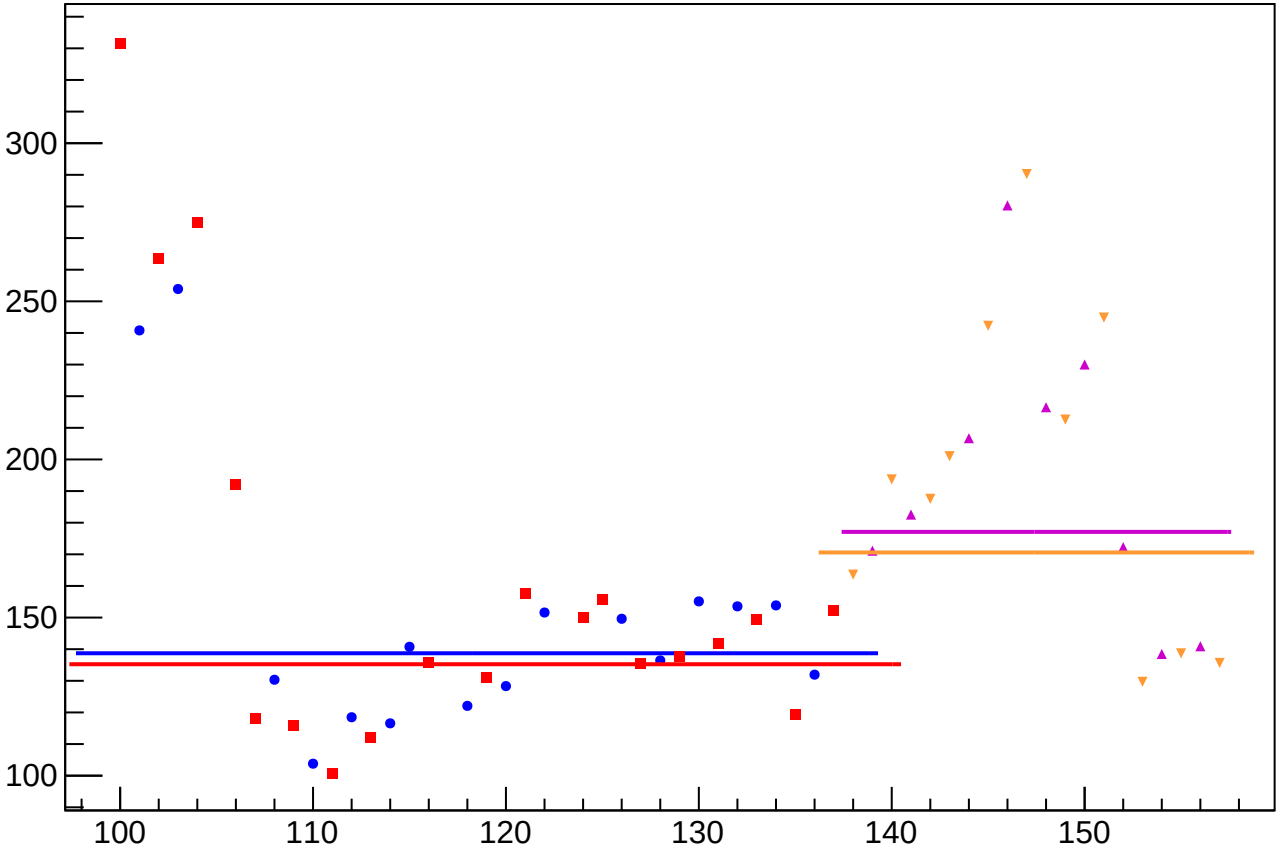
Left In: 10827.078+/-66.548 χ^2/NDF:9556.5/8

+ sign -444.053+/-40.414 χ^2/NDF: 37528.9/26

All: 3233.186+/-28.789 χ^2/NDF: 76963.3/54

- sign 7021.687+/-41.021 χ^2/NDF: 22625.9/27

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

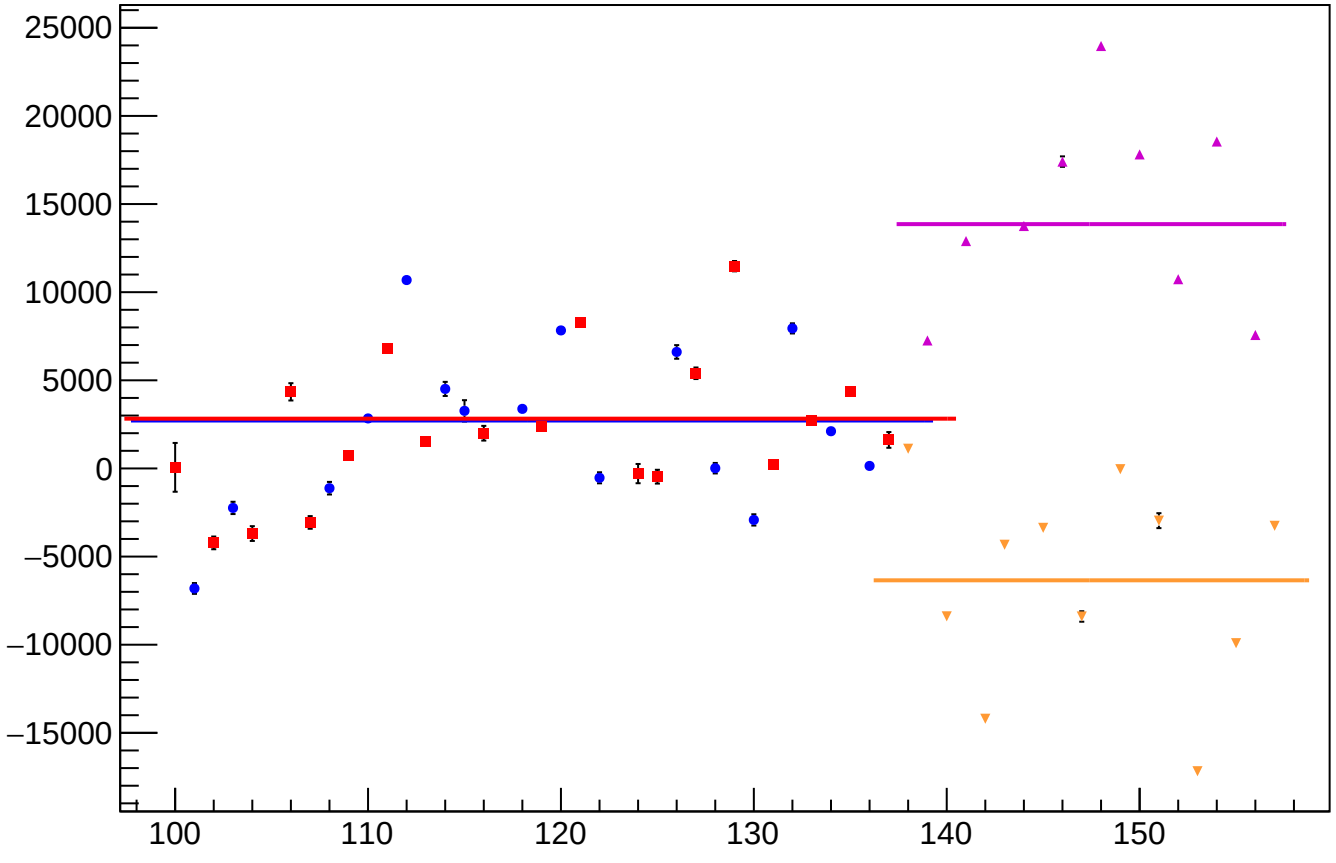
Left In: 177.098+/-0.047 χ^2/NDF:670694.6/8

+ sign 152.864+/-0.029 χ^2/NDF: 2008751.2/26

All: 152.019+/-0.020 χ^2/NDF: 4061730.9/54

- sign 151.148+/-0.029 χ^2/NDF: 2051202.9/27

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

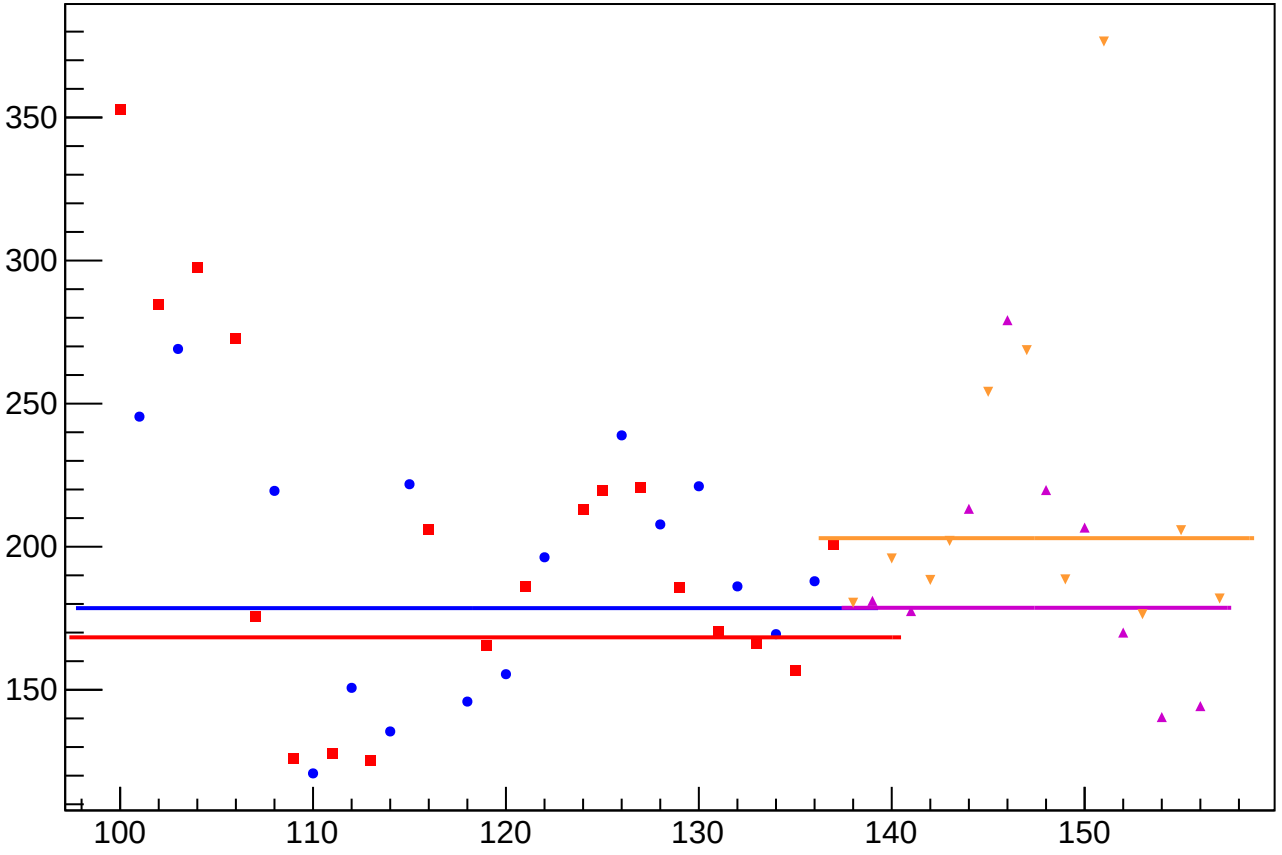
Left In: 13860.637+/-67.174 χ^2/NDF:5922.6/8

+ sign -1690.913+/-49.622 χ^2/NDF: 19219.8/26

All: 3531.369+/-33.991 χ^2/NDF: 63044.7/54

- sign 8147.946+/-46.656 χ^2/NDF: 22958.3/27

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

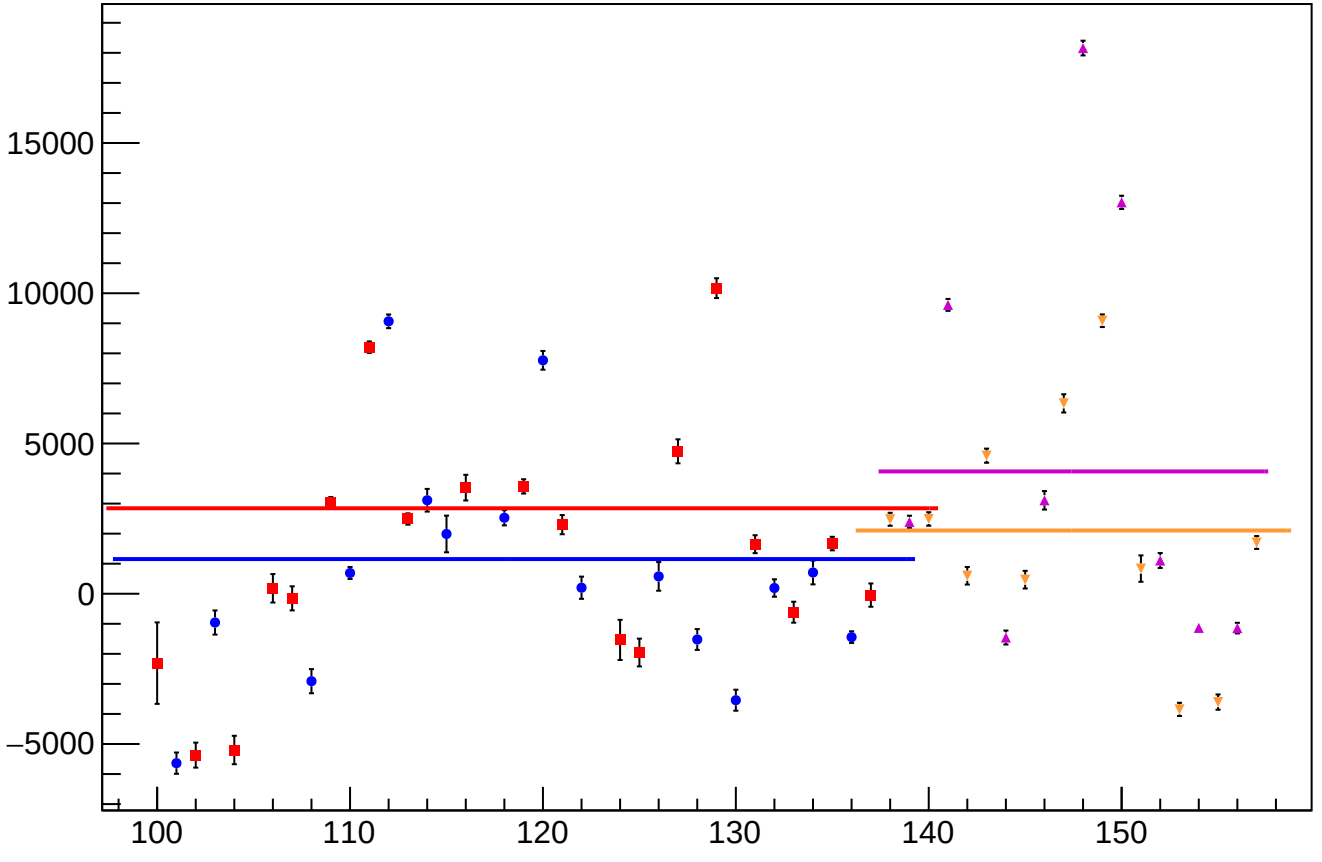
Left In: 178.657+/-0.047 χ^2/NDF:584849.9/8

+ sign 190.435+/-0.035 χ^2/NDF: 1392364.2/26

All: 181.348+/-0.024 χ^2/NDF: 3107516.8/54

- sign 173.314+/-0.033 χ^2/NDF: 1588781.5/27

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

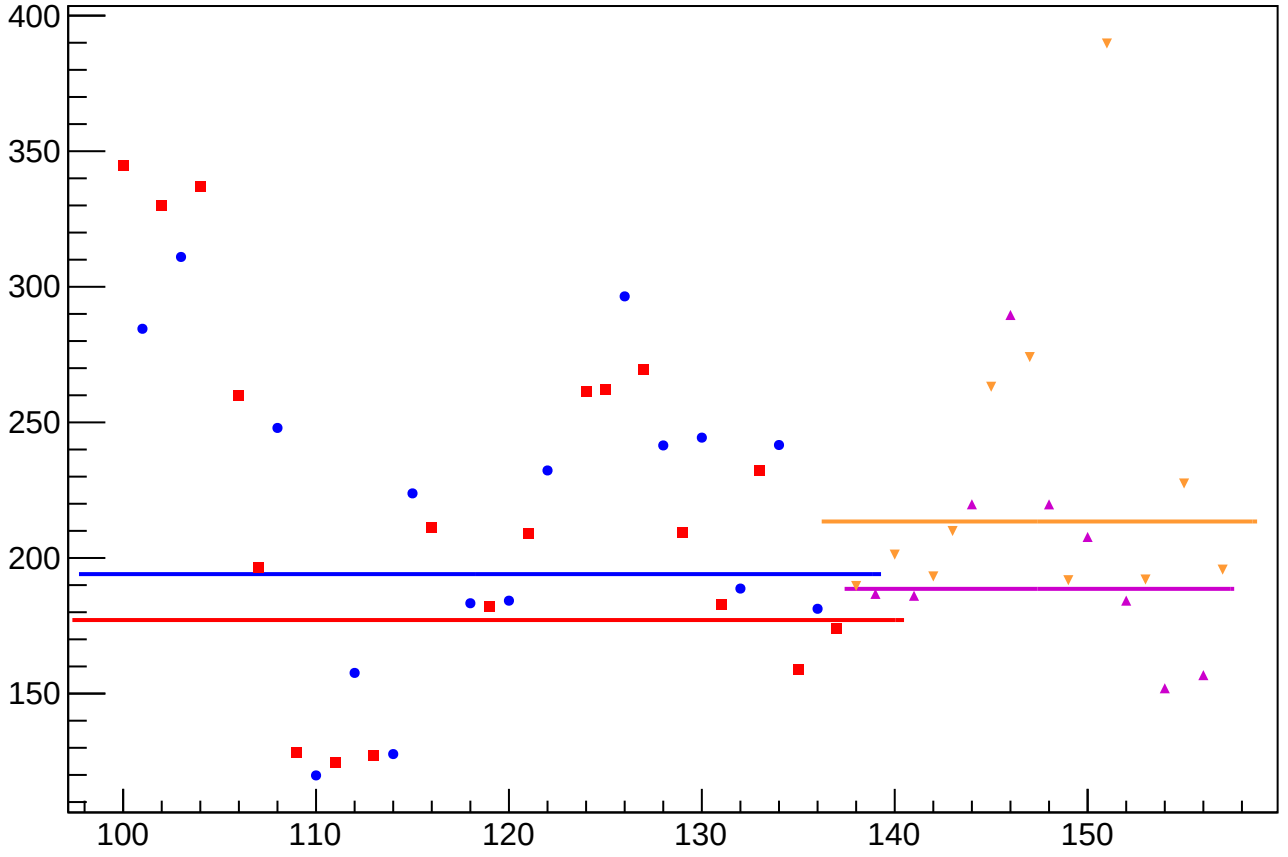
Left In: 4070.457+/-70.672 χ^2/NDF:8378.1/8

+ sign 1636.418+/-53.288 χ^2/NDF: 5448.9/26

All: 2608.014+/-36.236 χ^2/NDF: 17052.4/54

- sign 3443.727+/-49.422 χ^2/NDF: 10985.1/27

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

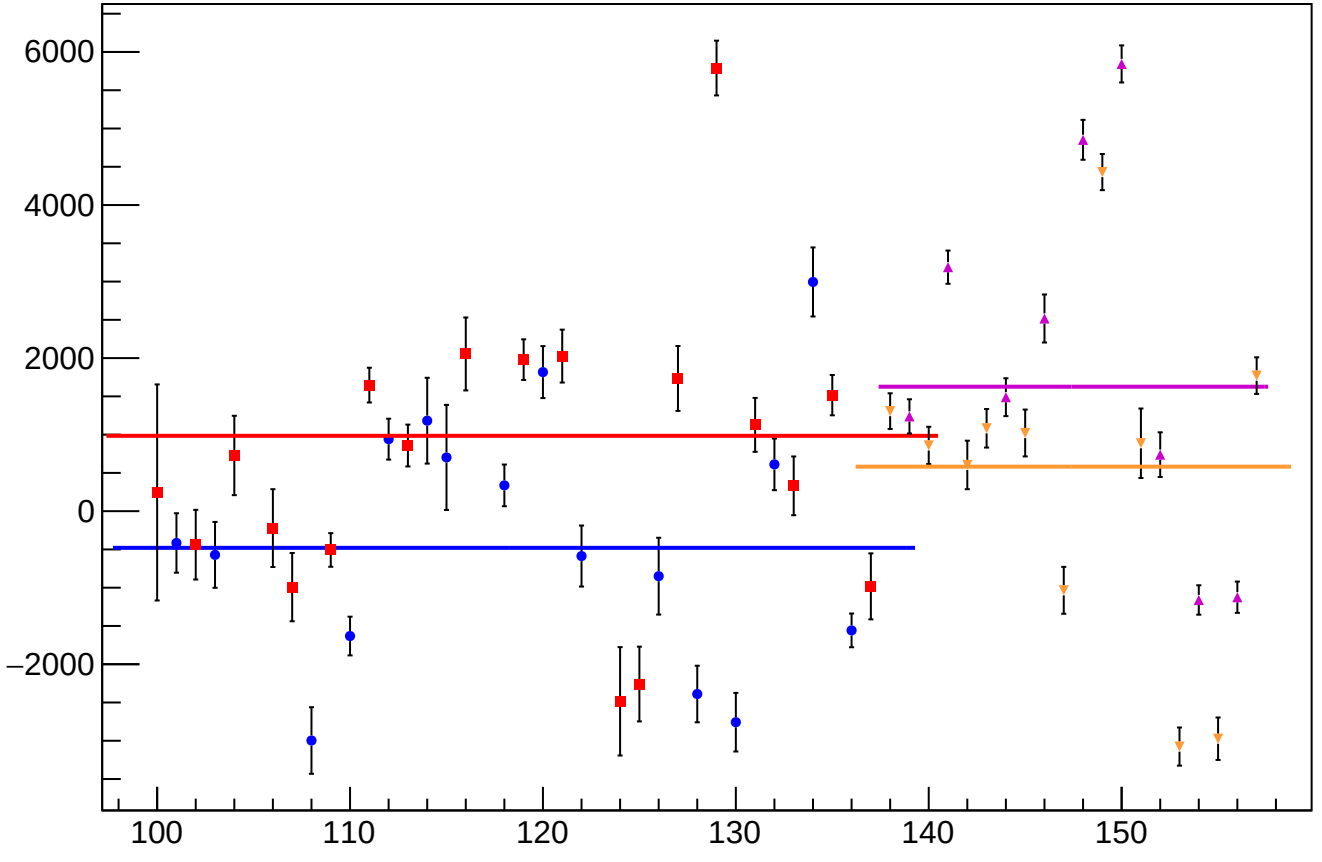
Left In: 188.617+/-0.050 χ^2/NDF:463269.2/8

+ sign 203.906+/-0.038 χ^2/NDF: 1590634.3/26

All: 192.527+/-0.026 χ^2/NDF: 3609951.8/54

- sign 182.740+/-0.035 χ^2/NDF: 1849682.7/27

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

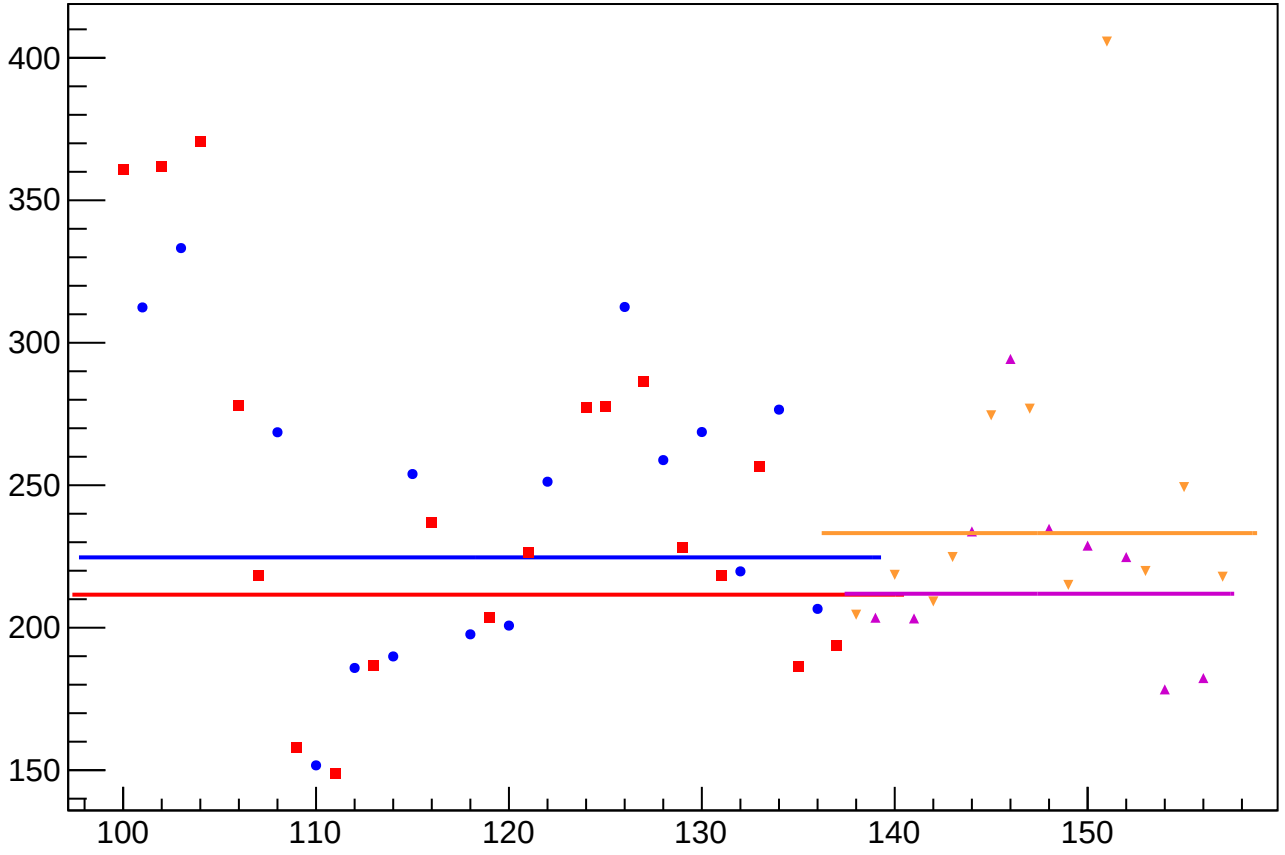
Left In: 1626.108+/-78.511 χ^2/NDF:920.0/8

+ sign 85.804+/-59.253 χ^2/NDF: 1100.5/26

All: 731.227+/-40.836 χ^2/NDF: 2677.0/54

- sign 1315.094+/-56.357 χ^2/NDF: 1350.5/27

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

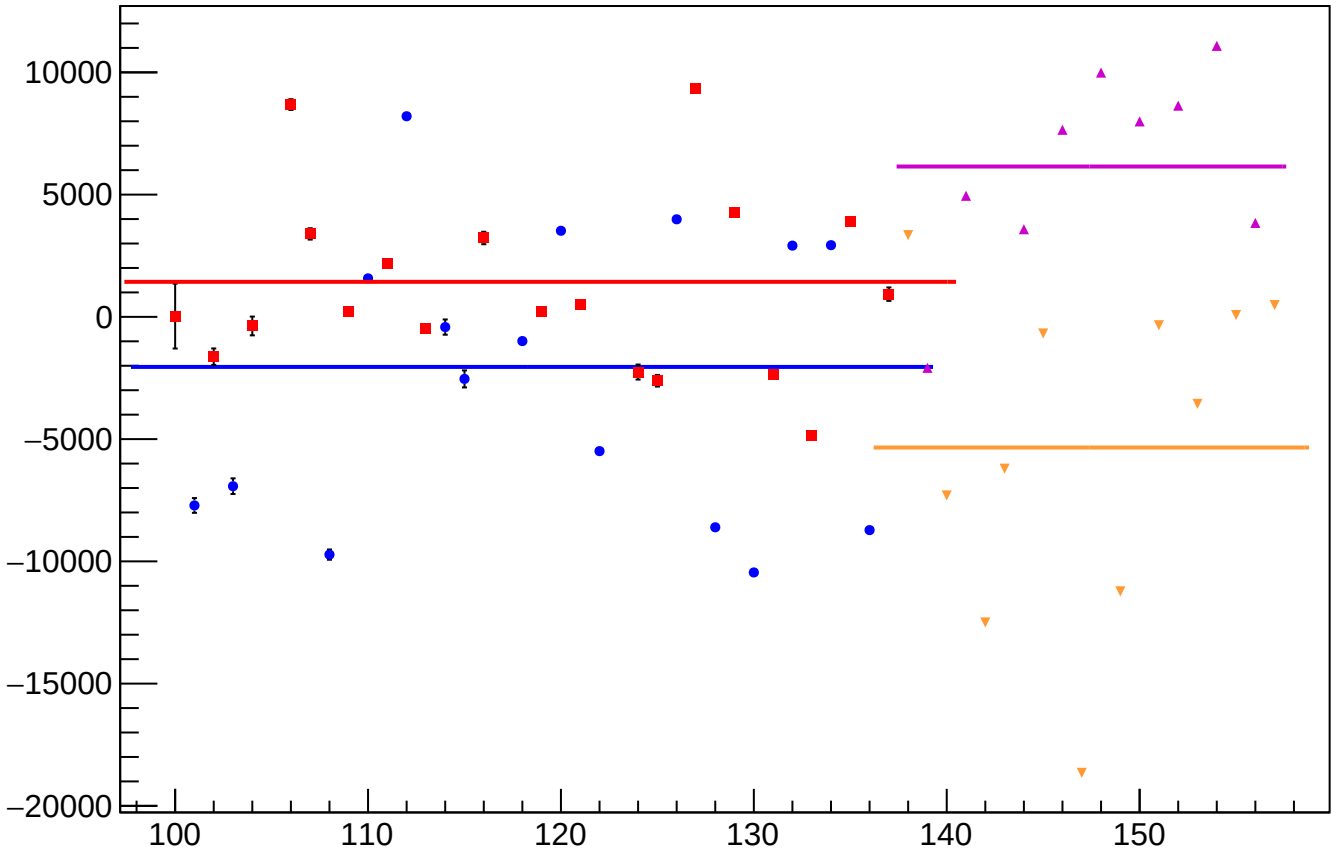
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 211.922+/-0.056 χ^2/NDF:291351.4/8

+ sign 229.220+/-0.042 χ^2/NDF: 1113193.8/26

All: 220.055+/-0.029 χ^2/NDF: 2428602.1/54

- sign 211.764+/-0.040 χ^2/NDF: 1224270.7/27



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

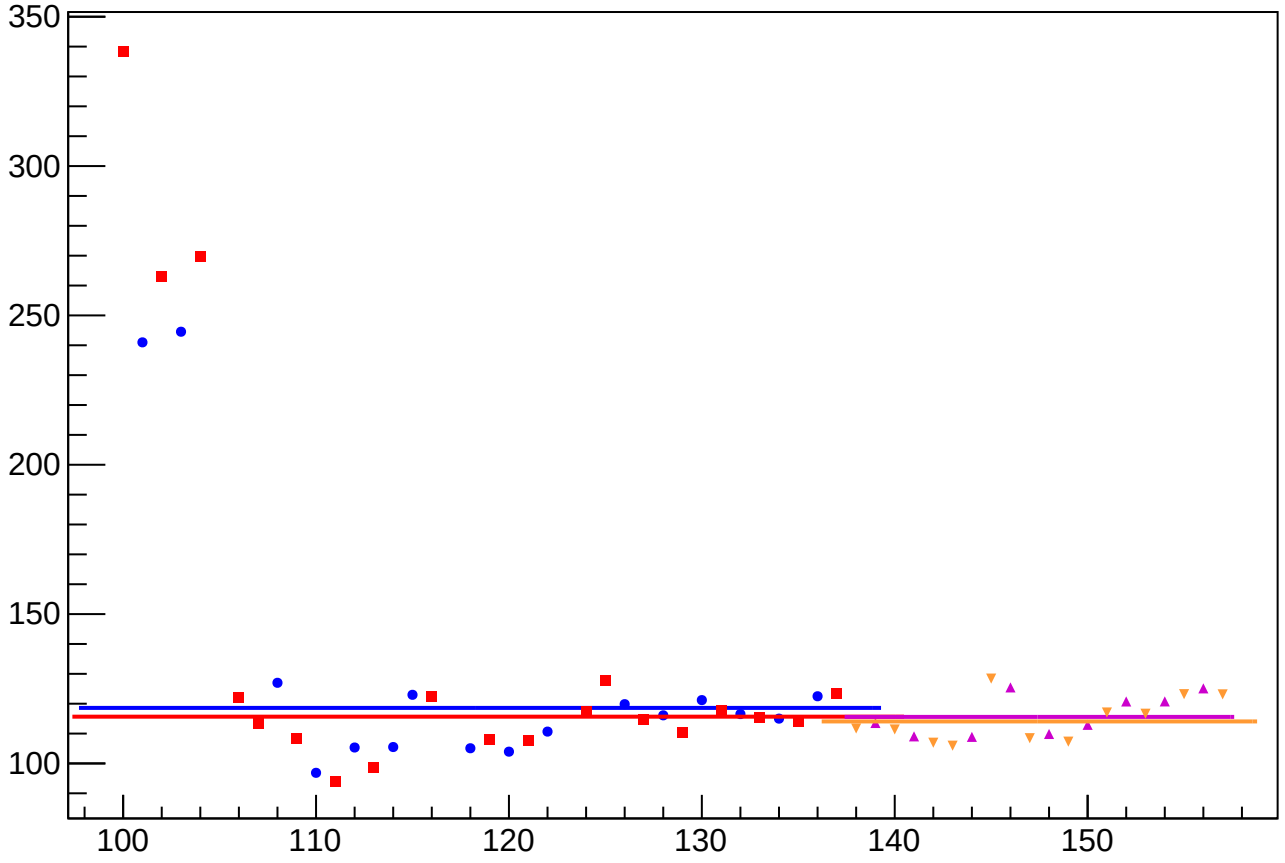
Left In: 6149.103+/-41.877 χ^2/NDF:8253.7/8

+ sign -3977.187+/-30.082 χ^2/NDF: 47238.1/26

All: -79.317+/-21.442 χ^2/NDF: 101933.7/54

- sign 3946.151+/-30.570 χ^2/NDF: 20565.9/27

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

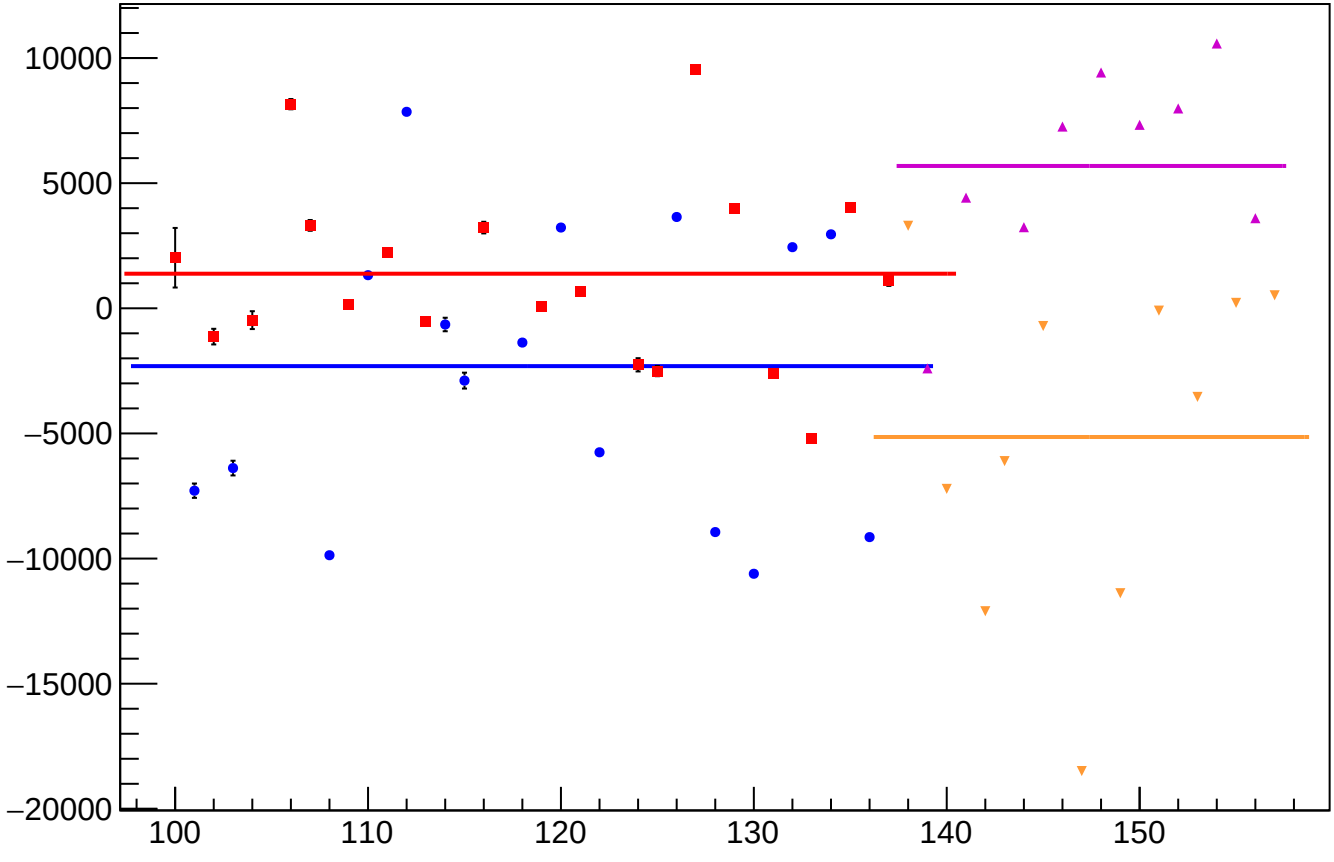
Left In: 115.585+/-0.030 χ^2/NDF:45276.8/8

+ sign 115.943+/-0.021 χ^2/NDF: 809953.5/26

All: 115.784+/-0.015 χ^2/NDF: 1719552.7/54

- sign 115.620+/-0.022 χ^2/NDF: 909486.1/27

asym_bpm2i01WS_mean vs Slug



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -5142.700+/-35.449 χ^2/NDF:33302.6/10

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

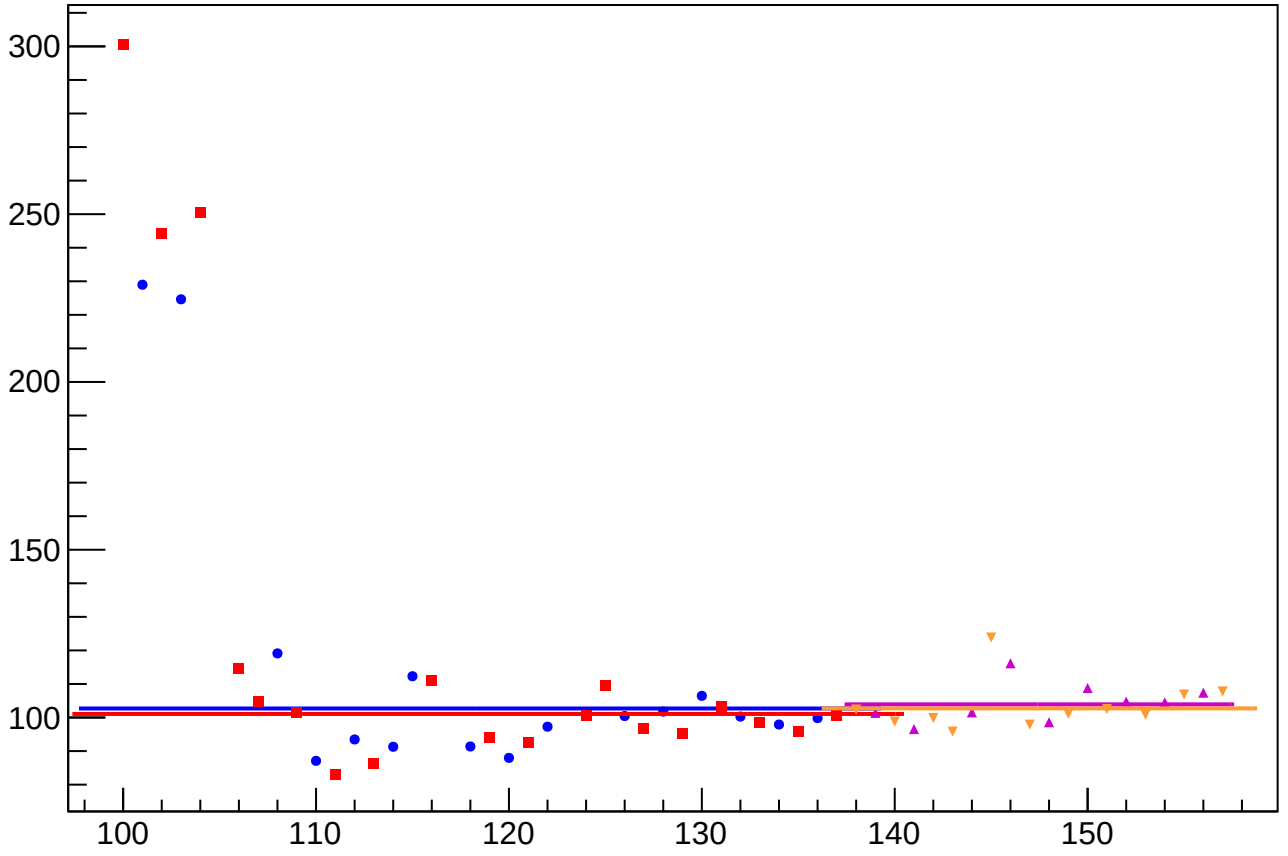
Left In: 5687.711+/-37.683 χ^2/NDF:9873.1/8

+ sign -3922.194+/-26.741 χ^2/NDF: 57732.8/26

All: -213.425+/-19.074 χ^2/NDF: 121588.5/54

- sign 3627.611+/-27.214 χ^2/NDF: 24698.2/27

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.719+/-0.025 χ^2/NDF:67910.9/10

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

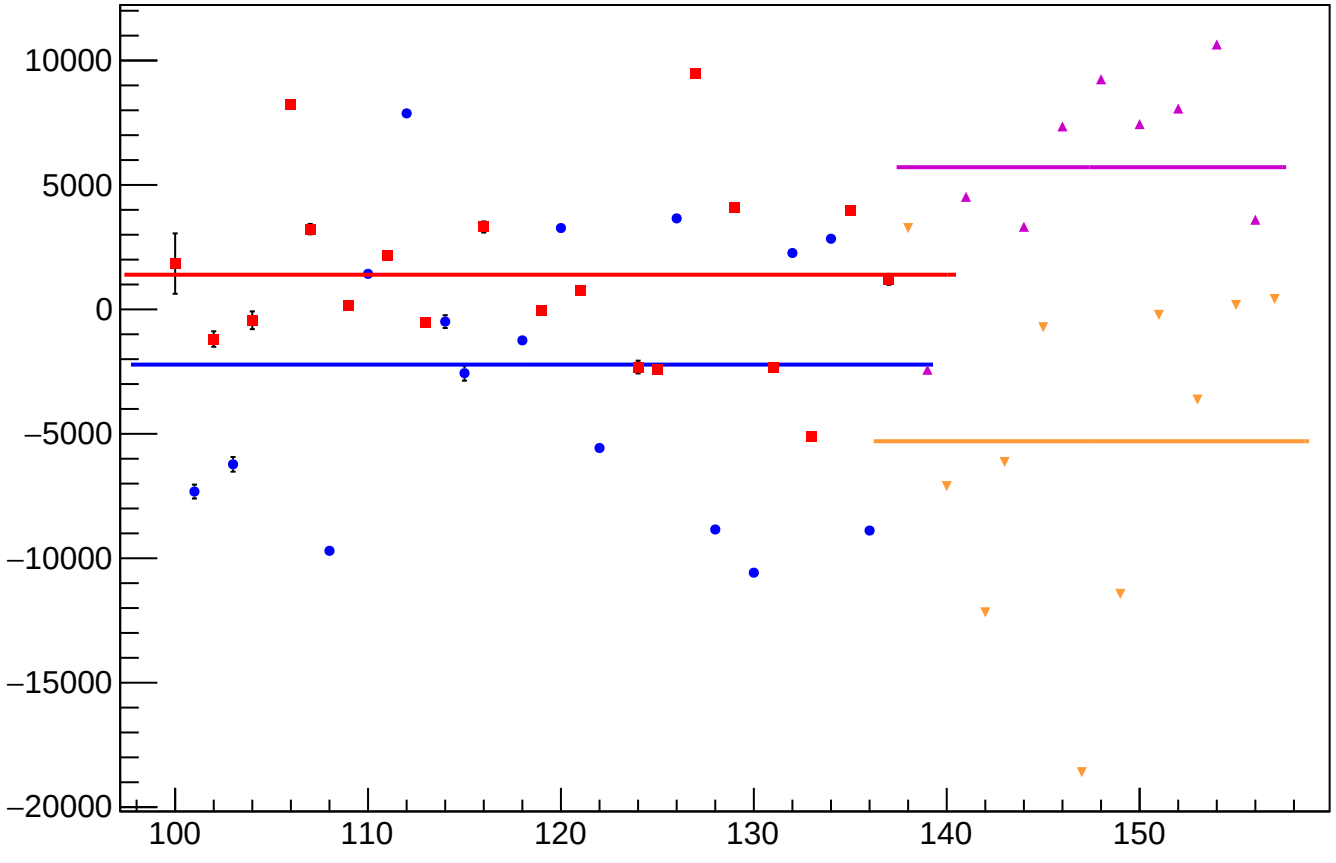
Left In: 103.927+/-0.027 χ^2/NDF:41528.6/8

+ sign 102.708+/-0.019 χ^2/NDF: 893712.9/26

All: 102.634+/-0.013 χ^2/NDF: 1871256.6/54

- sign 102.557+/-0.019 χ^2/NDF: 977512.3/27

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -5297.179+/-34.546 χ^2/NDF:35907.4/10

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

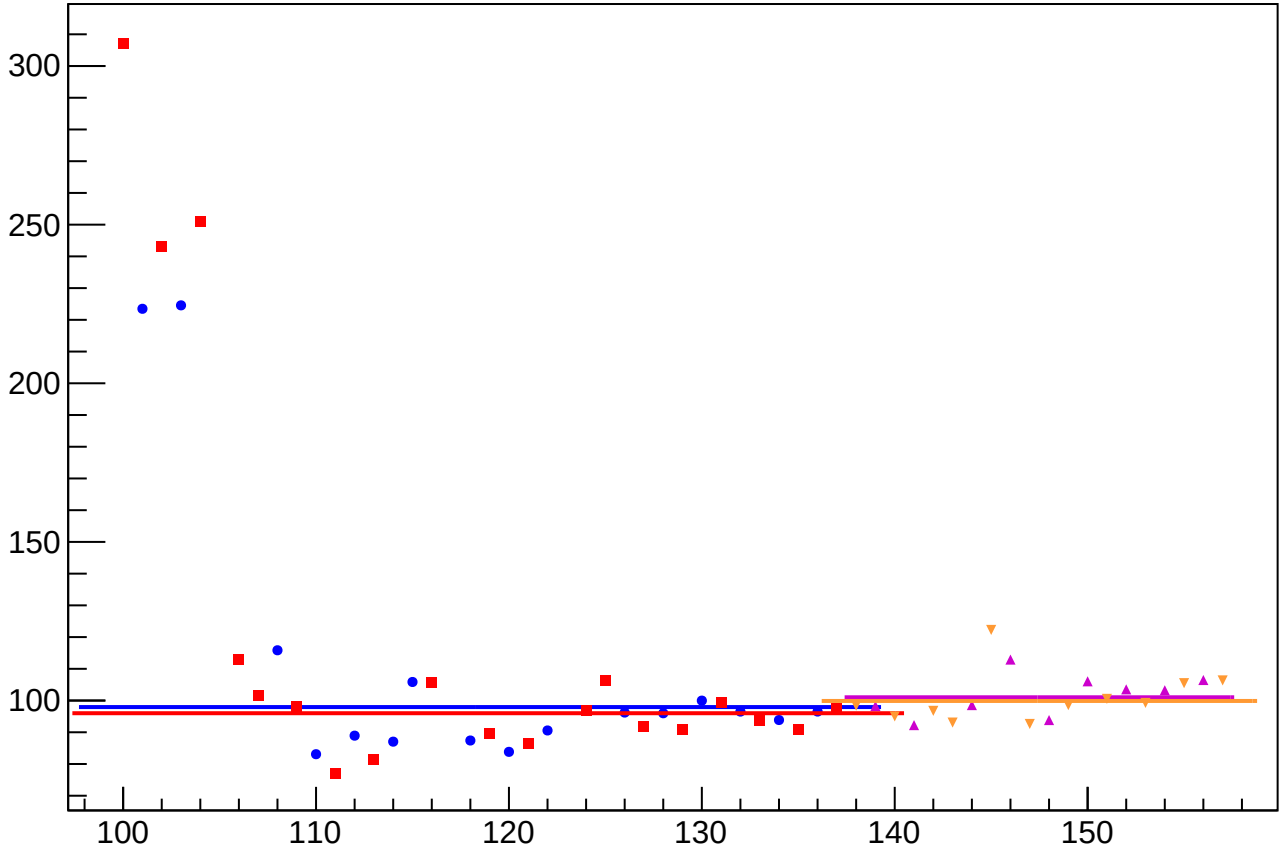
Left In: 5713.758+/-36.722 χ^2/NDF:10404.7/8

+ sign -3944.931+/-25.871 χ^2/NDF: 62437.1/26

All: -227.701+/-18.431 χ^2/NDF: 130677.9/54

- sign 3603.509+/-26.264 χ^2/NDF: 26317.3/27

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.869+/-0.024 χ^2/NDF:86847.2/10

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

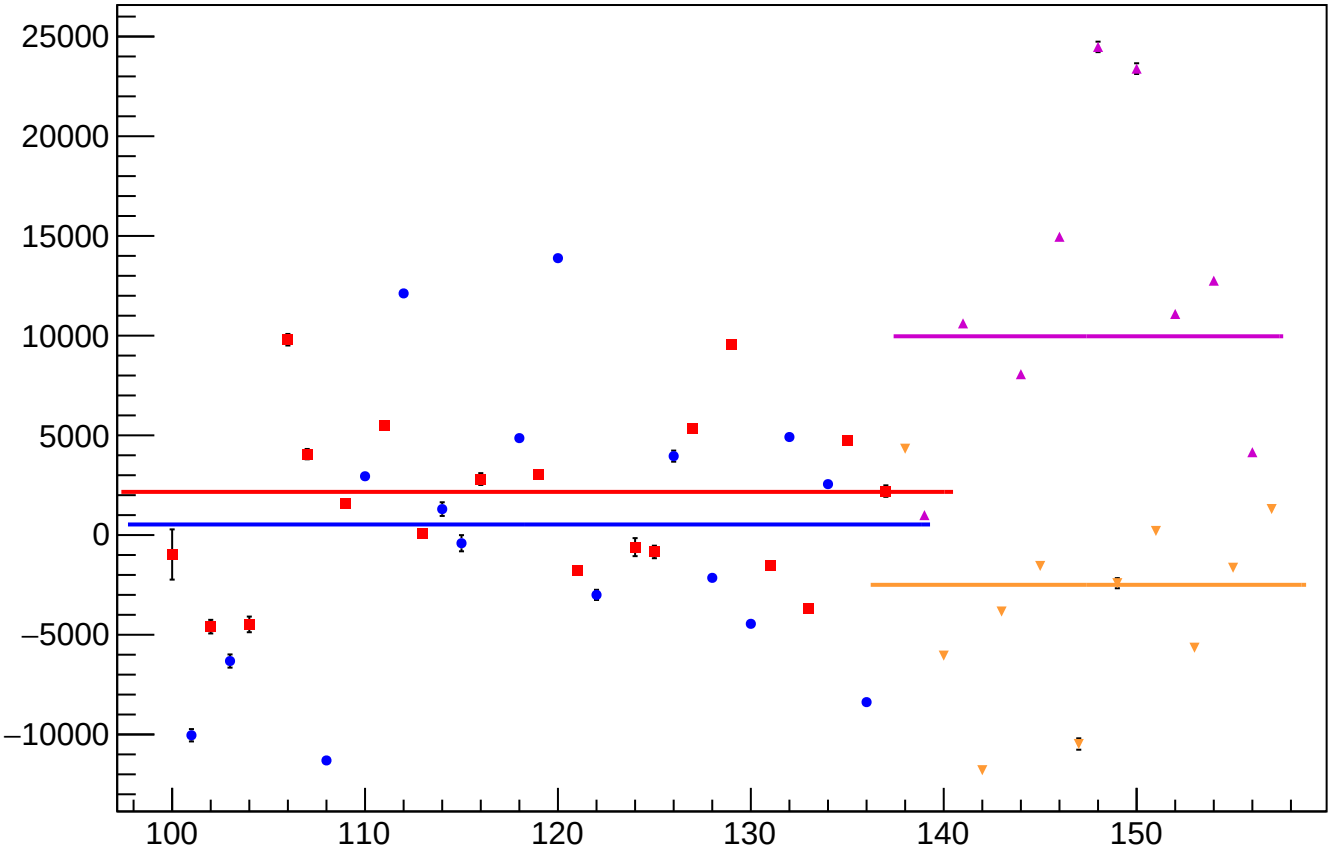
Left In: 101.026+/-0.026 χ^2/NDF:56467.7/8

+ sign 99.024+/-0.018 χ^2/NDF: 957724.9/26

All: 98.802+/-0.013 χ^2/NDF: 2045041.9/54

- sign 98.573+/-0.019 χ^2/NDF: 1087018.4/27

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2495.947+/-53.272 χ^2/NDF:6250.9/10

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

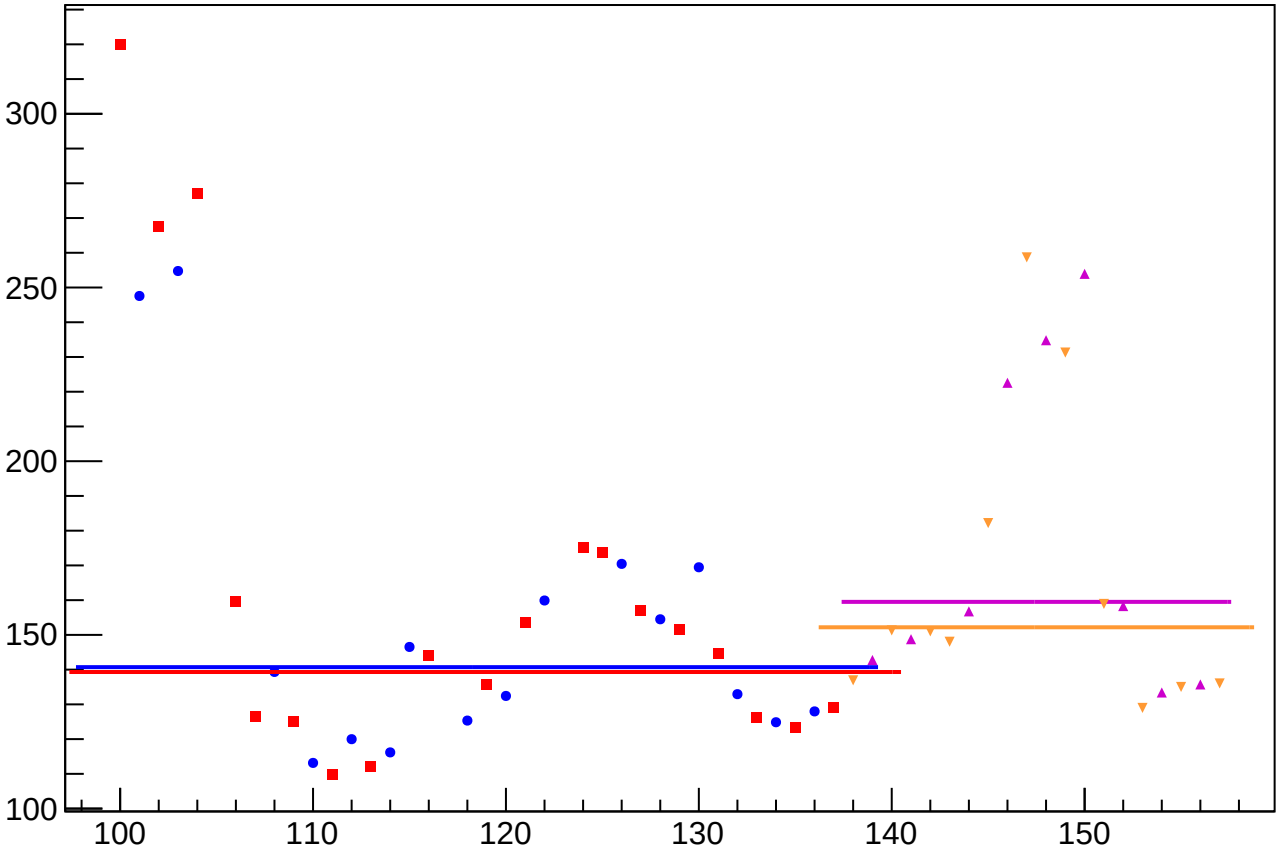
Left In: 9967.759+/-59.087 χ^2/NDF:11279.4/8

+ sign -1026.995+/-38.216 χ^2/NDF: 26405.1/26

All: 2202.319+/-27.513 χ^2/NDF: 67064.5/54

- sign 5677.069+/-39.642 χ^2/NDF: 25835.8/27

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.189+/-0.038 χ^2/NDF:641513.1/10

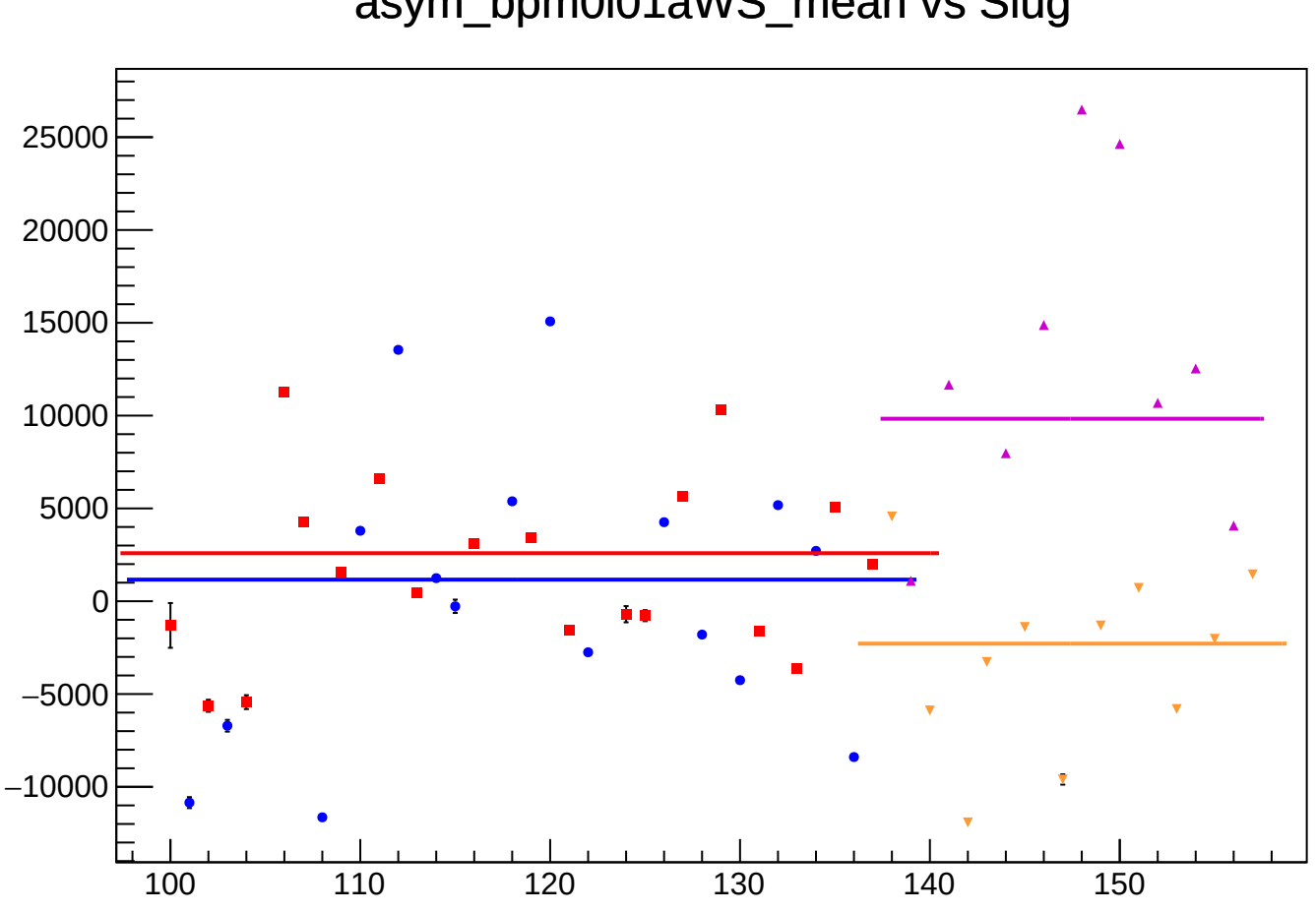
Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.507+/-0.042 χ^2/NDF:703795.1/8

+ sign 146.620+/-0.027 χ^2/NDF: 1362165.6/26

All: 147.480+/-0.019 χ^2/NDF: 2998786.0/54

- sign 148.405+/-0.028 χ^2/NDF: 1634519.9/27



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2285.349+/-46.913 χ^2/NDF:8230.9/10

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

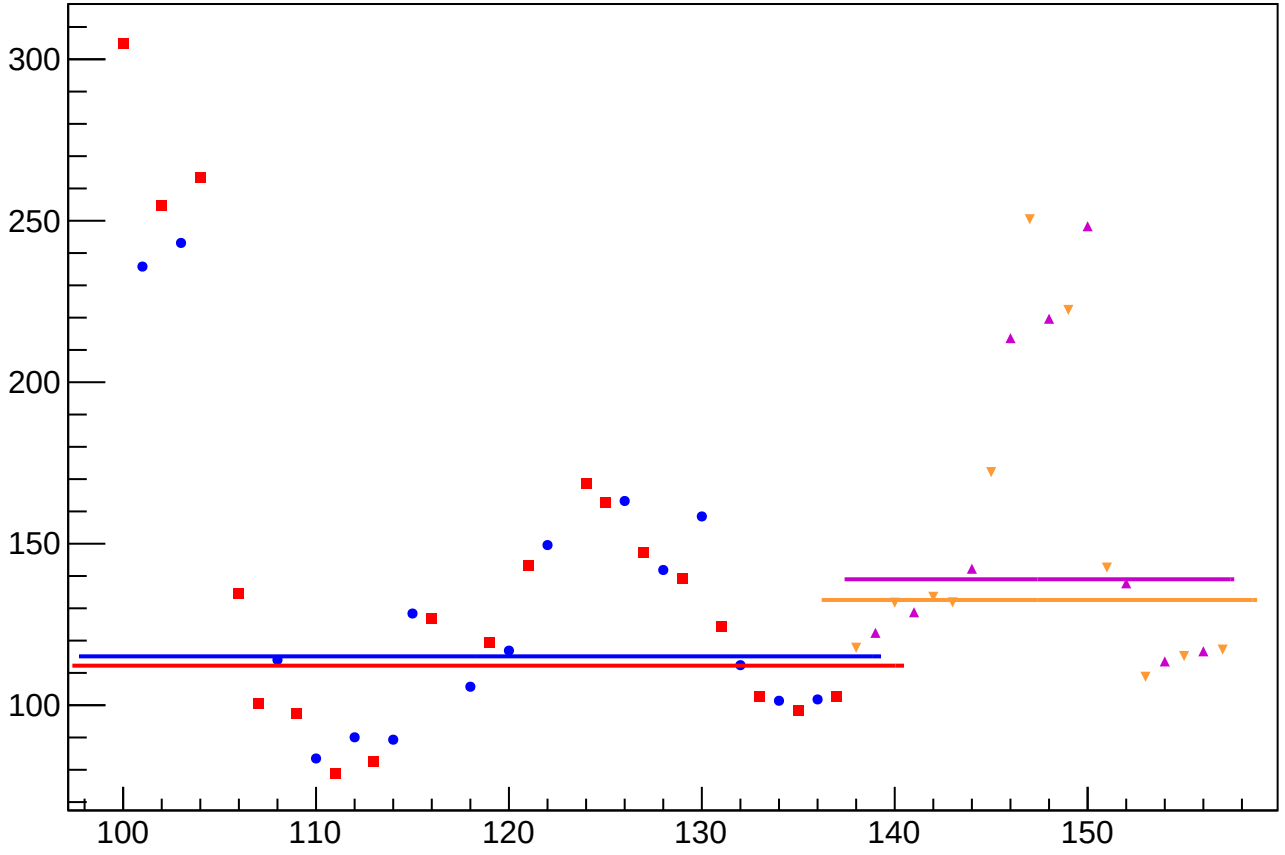
Left In: 9830.535+/-52.210 χ^2/NDF:15130.3/8

+ sign -524.667+/-32.820 χ^2/NDF: 41743.9/26

All: 2458.726+/-23.532 χ^2/NDF: 93181.9/54

- sign 5615.447+/-33.760 χ^2/NDF: 34431.3/27

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.580+/-0.033 χ^2/NDF:892066.5/10

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

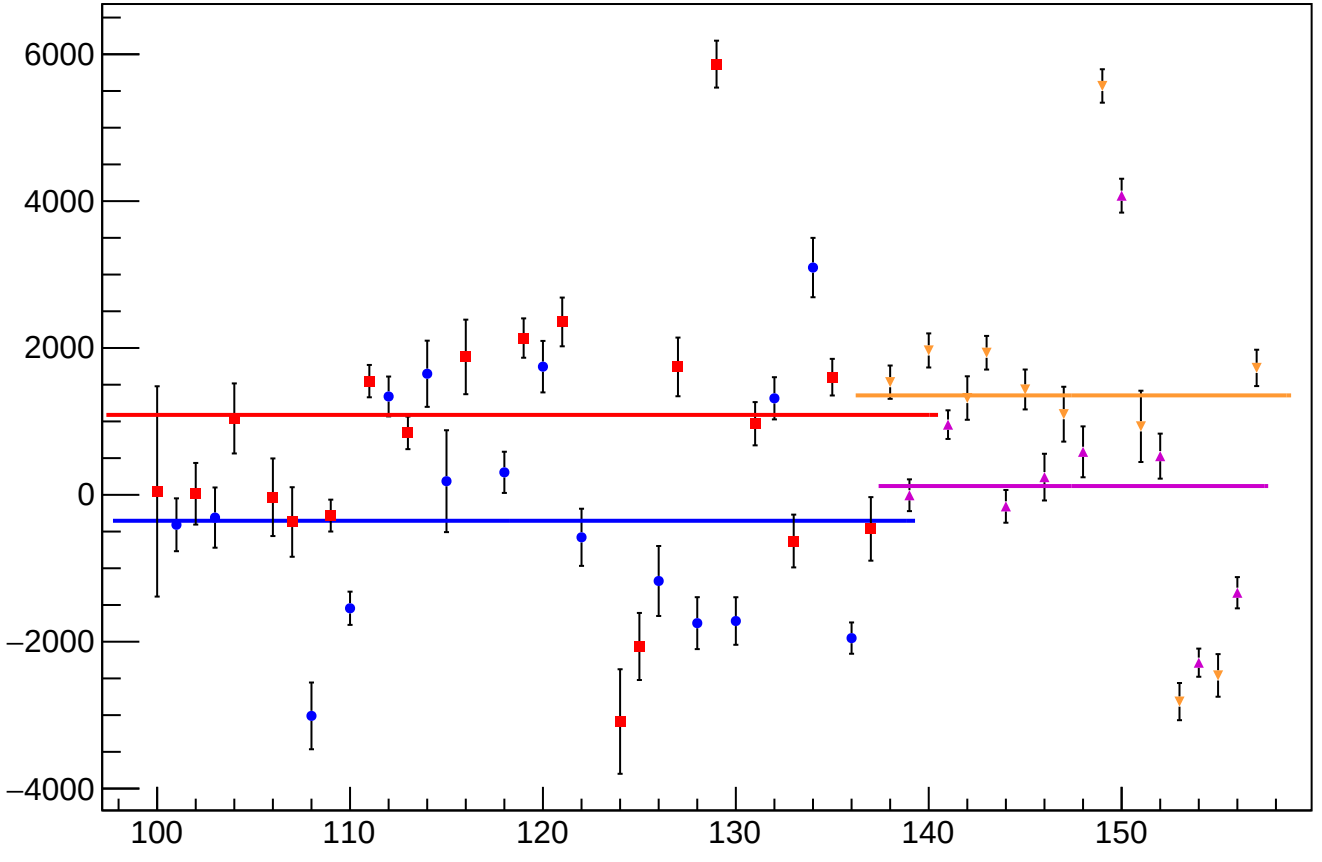
Left In: 138.993+/-0.037 χ^2/NDF:963484.7/8

+ sign 123.668+/-0.023 χ^2/NDF: 2146419.8/26

All: 123.551+/-0.017 χ^2/NDF: 4743659.9/54

- sign 123.426+/-0.024 χ^2/NDF: 2597187.4/27

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1354.445+/-79.944 χ^2/NDF:803.8/10

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

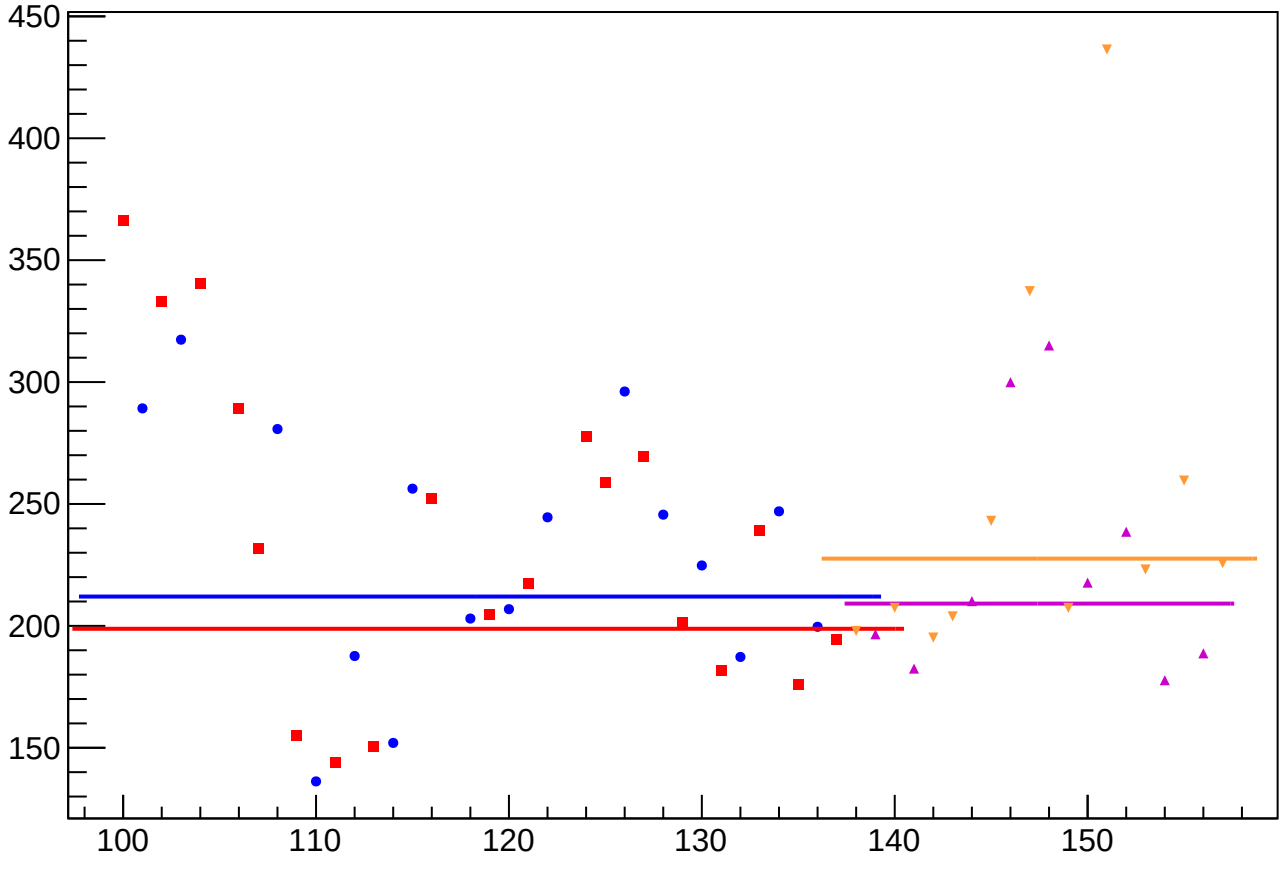
Left In: 119.918+/-77.915 χ^2/NDF:522.0/8

+ sign 523.743+/-57.288 χ^2/NDF: 1387.6/26

All: 570.838+/-39.512 χ^2/NDF: 2436.8/54

- sign 613.565+/-54.567 χ^2/NDF: 1047.9/27

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.594+/-0.057 χ^2/NDF:684394.4/10

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

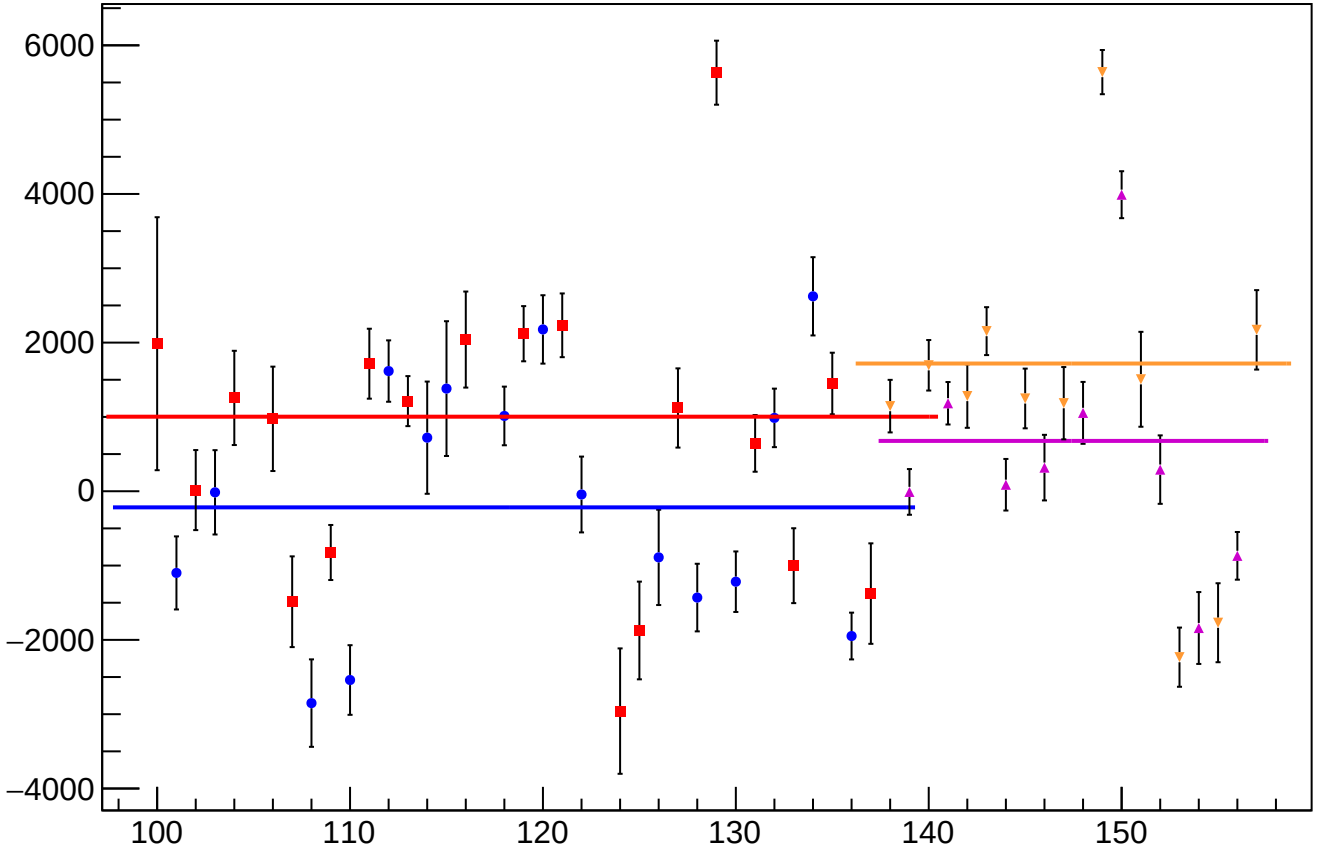
Left In: 209.139+/-0.055 χ^2/NDF:487115.1/8

+ sign 220.021+/-0.041 χ^2/NDF: 1411643.7/26

All: 211.556+/-0.028 χ^2/NDF: 2974890.3/54

- sign 203.876+/-0.039 χ^2/NDF: 1479954.4/27

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1718.408+/-120.134 χ^2/NDF:324.3/10

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

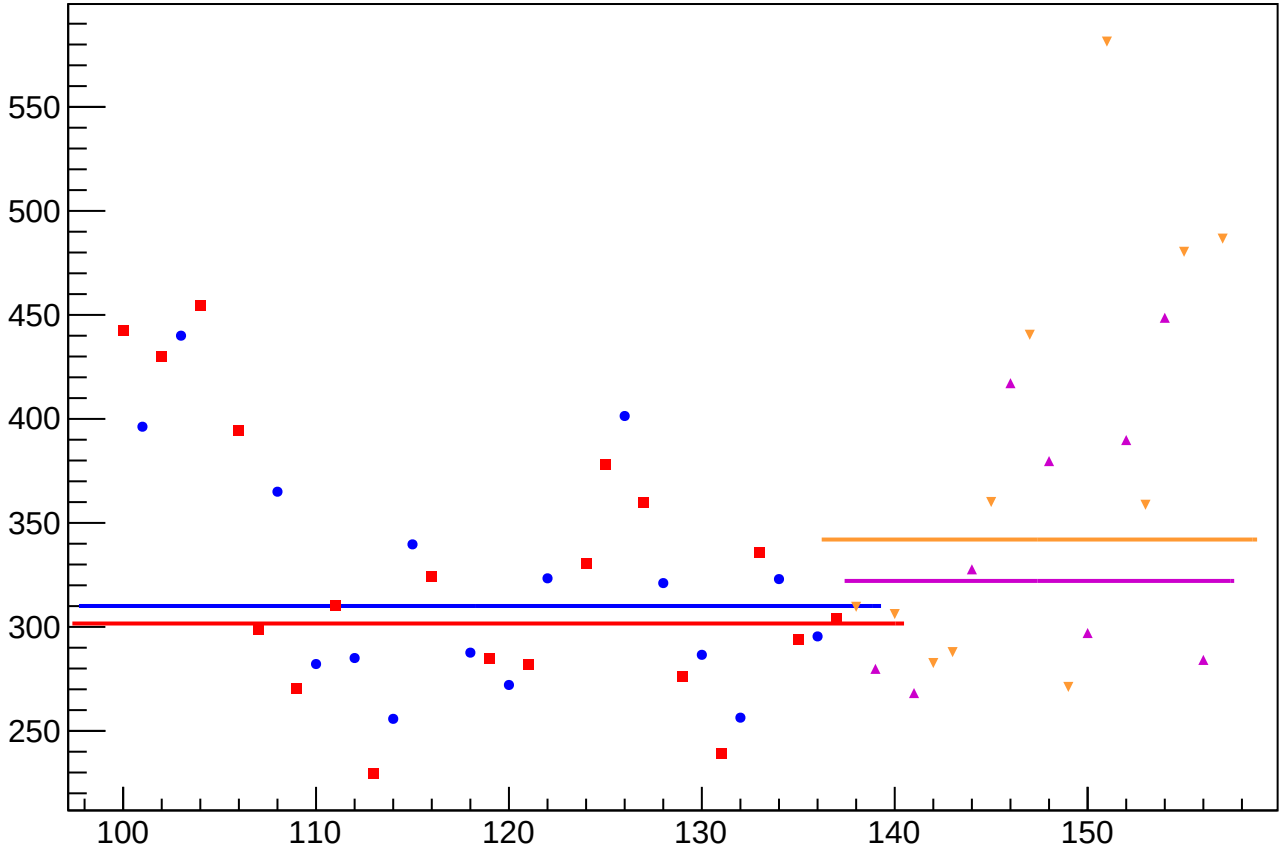
Left In: 677.161+/-118.891 χ^2/NDF:173.5/8

+ sign 732.466+/-84.142 χ^2/NDF: 648.7/26

All: 791.871+/-58.706 χ^2/NDF: 1081.5/54

- sign 848.219+/-81.949 χ^2/NDF: 431.8/27

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 342.009+/-0.085 χ^2/NDF:900221.2/10

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

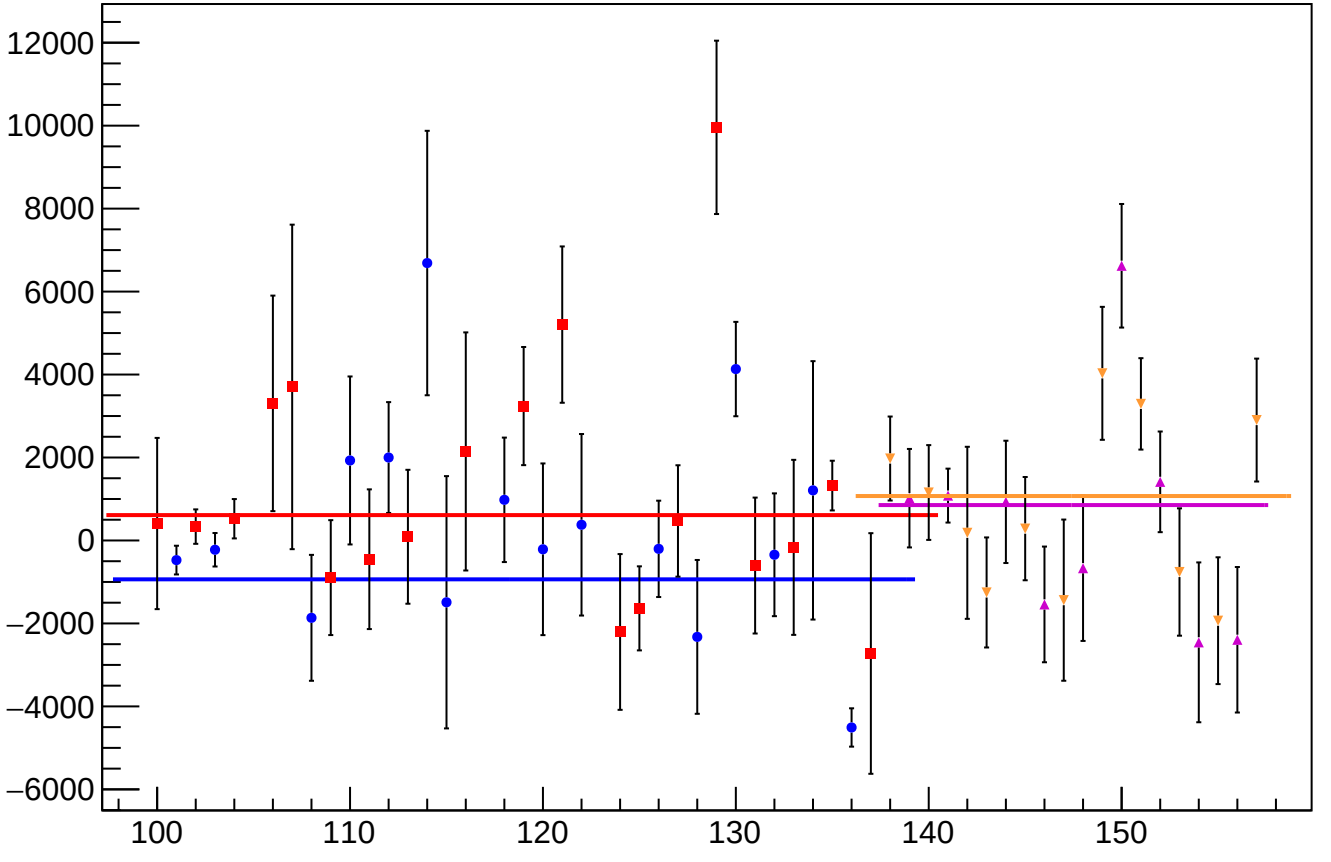
Left In: 322.110+/-0.084 χ^2/NDF:461222.7/8

+ sign 325.734+/-0.059 χ^2/NDF: 1295560.0/26

All: 318.359+/-0.042 χ^2/NDF: 2337740.2/54

- sign 311.364+/-0.058 χ^2/NDF: 1012241.8/27

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1071.281+/-409.130 χ^2/NDF:20.4/10

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

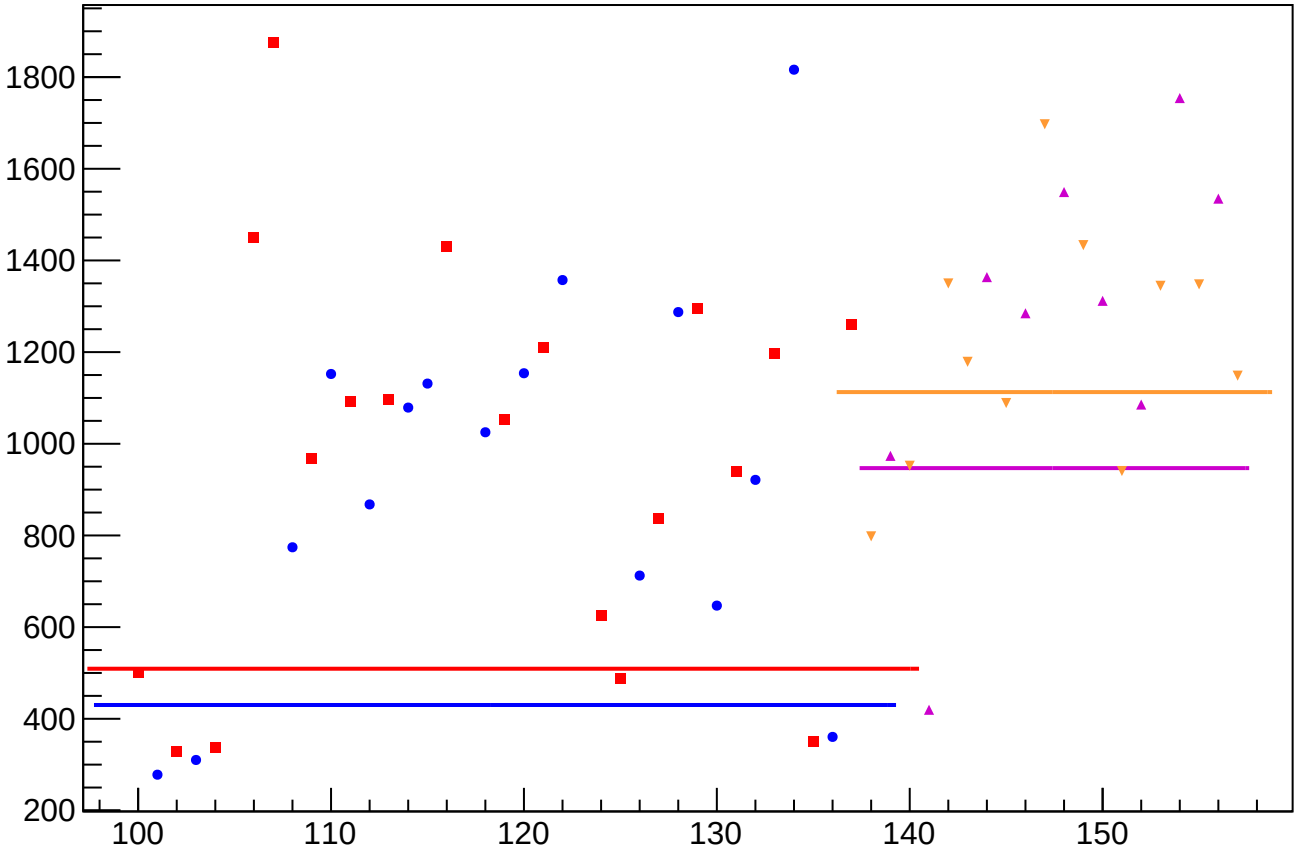
Left In: 853.465+/-404.874 χ^2/NDF:25.4/8

+ sign -534.827+/-183.077 χ^2/NDF: 140.9/26

All: 9.251+/-135.665 χ^2/NDF: 230.3/54

- sign 671.881+/-202.041 χ^2/NDF: 69.8/27

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1112.800+/-0.289 χ^2/NDF:668654.2/10

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

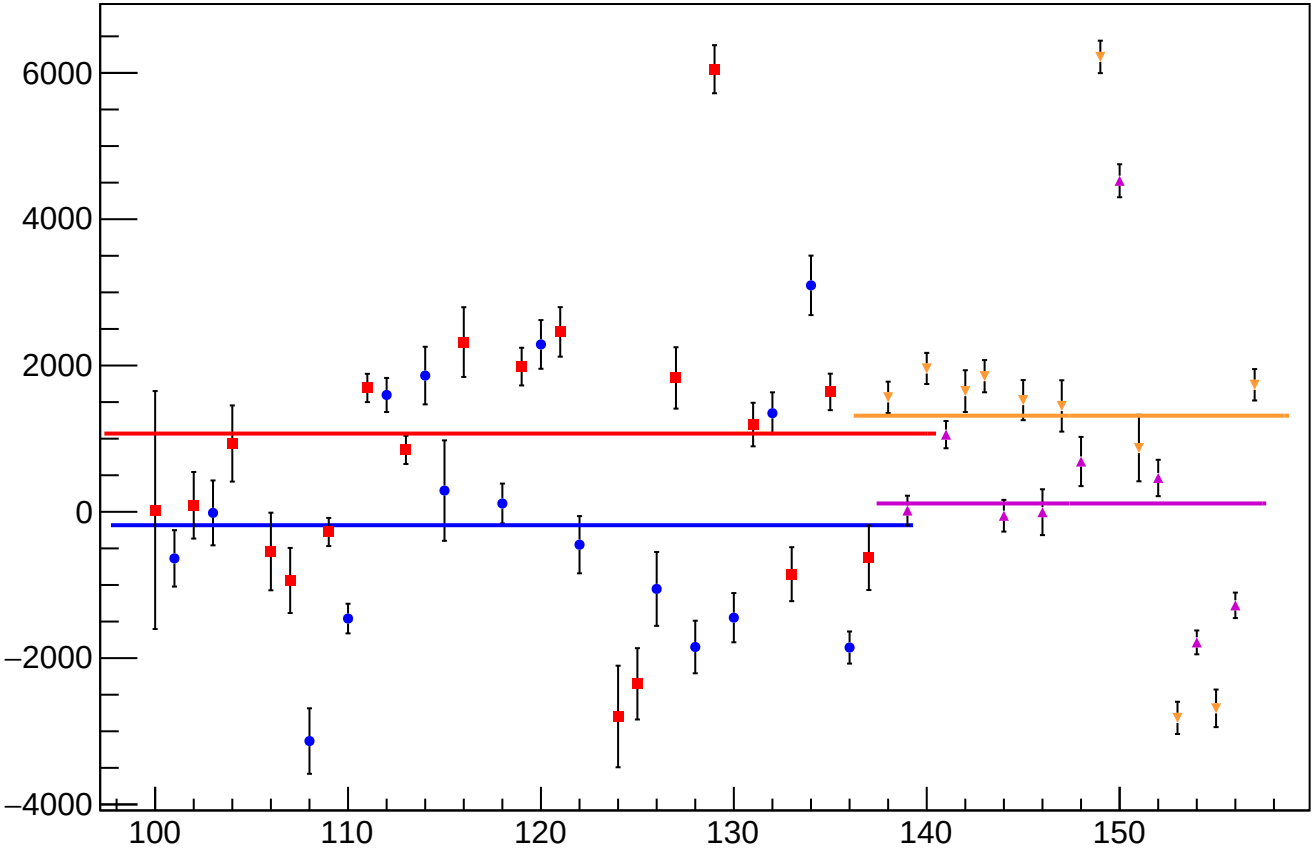
Left In: 946.919+/-0.286 χ^2/NDF:2552029.2/8

+ sign 566.810+/-0.129 χ^2/NDF: 8644154.0/26

All: 589.993+/-0.096 χ^2/NDF: 16695978.5/54

- sign 618.228+/-0.143 χ^2/NDF: 7980694.0/27

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1314.276+/-74.402 χ^2/NDF:1104.7/10

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

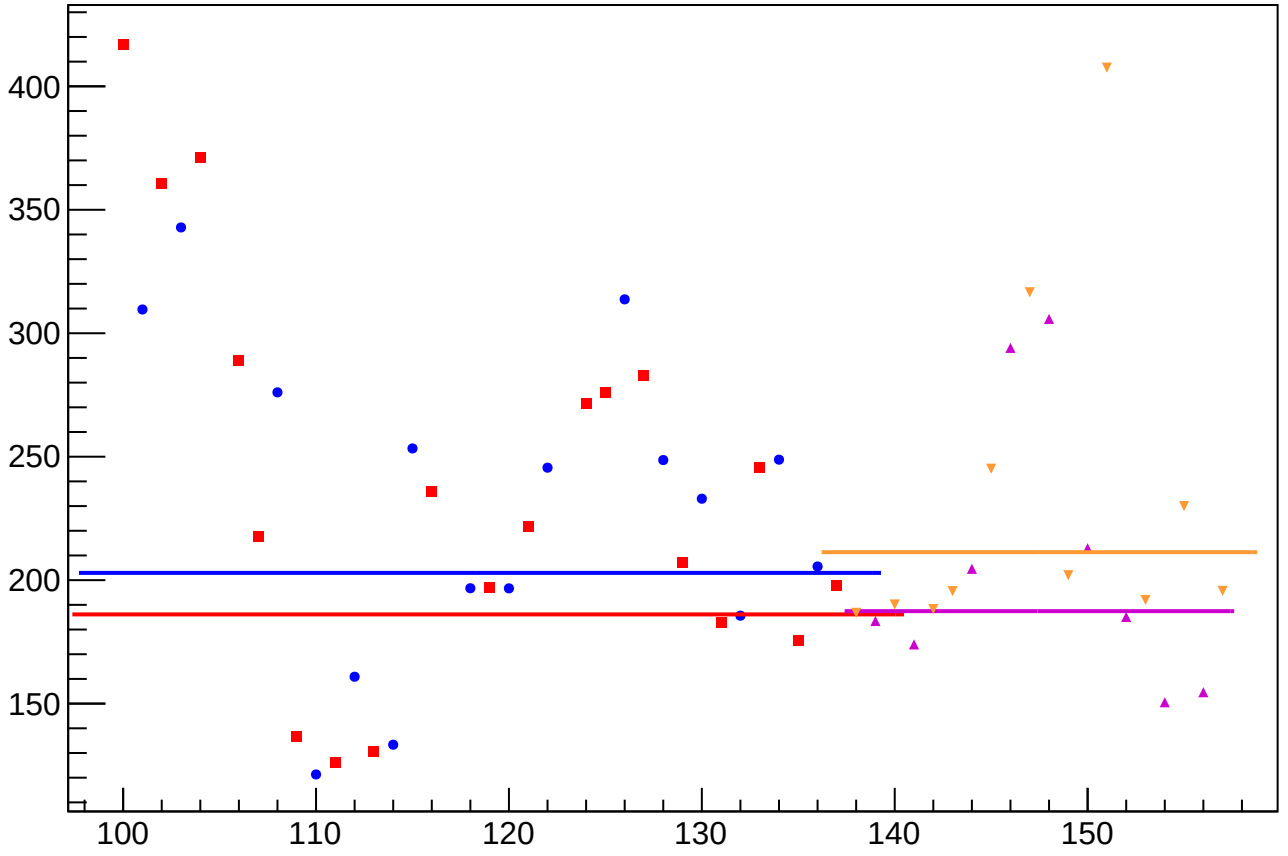
Left In: 114.456+/-70.708 χ^2/NDF:613.5/8

+ sign 618.565+/-54.439 χ^2/NDF: 1710.6/26

All: 596.066+/-37.144 χ^2/NDF: 2905.0/54

- sign 576.467+/-50.809 χ^2/NDF: 1194.0/27

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.327+/-0.053 χ^2/NDF:692874.6/10

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

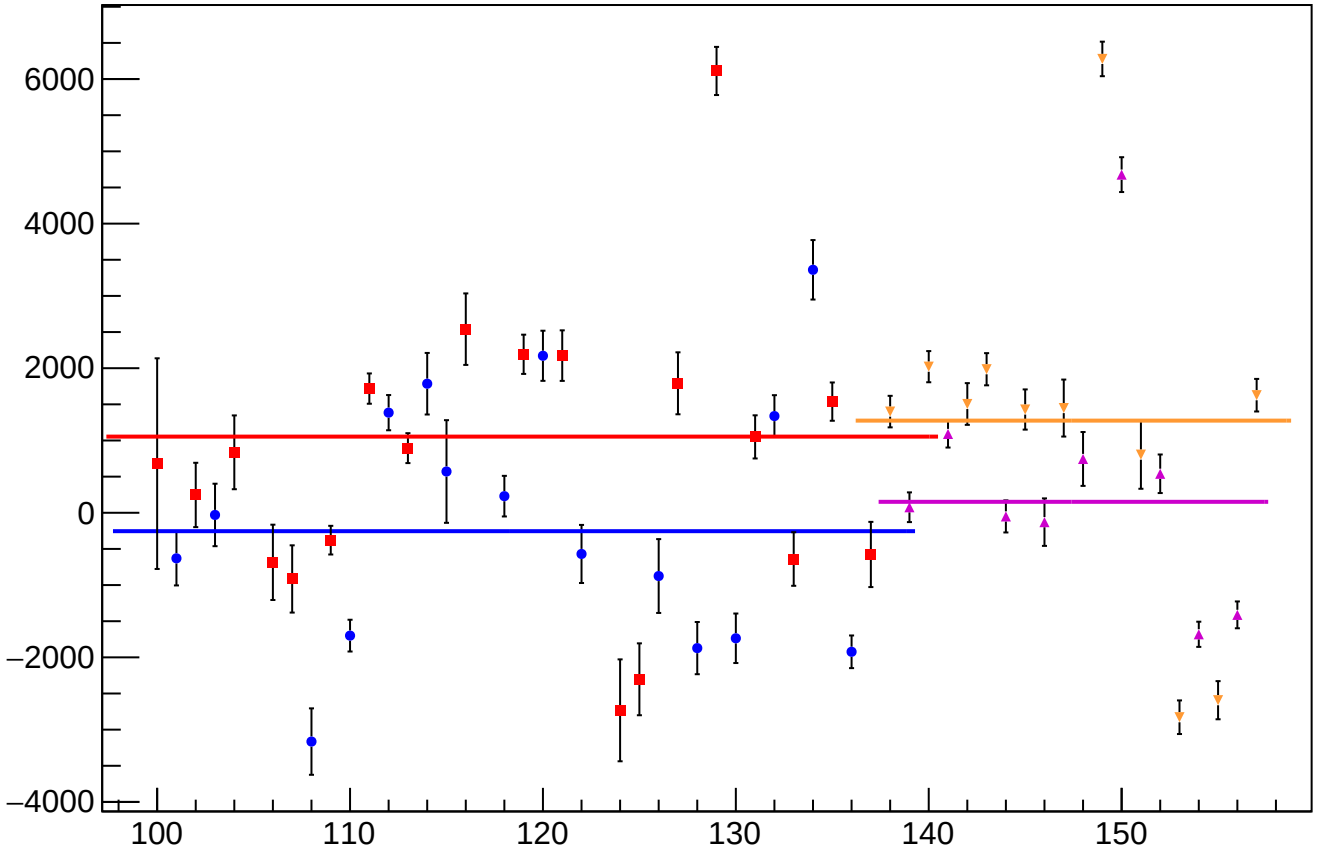
Left In: 187.447+/-0.050 χ^2/NDF:702068.1/8

+ sign 207.431+/-0.038 χ^2/NDF: 1776539.2/26

All: 196.410+/-0.026 χ^2/NDF: 4113976.0/54

- sign 186.810+/-0.036 χ^2/NDF: 2184068.9/27

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1274.936+/-77.003 χ^2/NDF:992.2/10

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

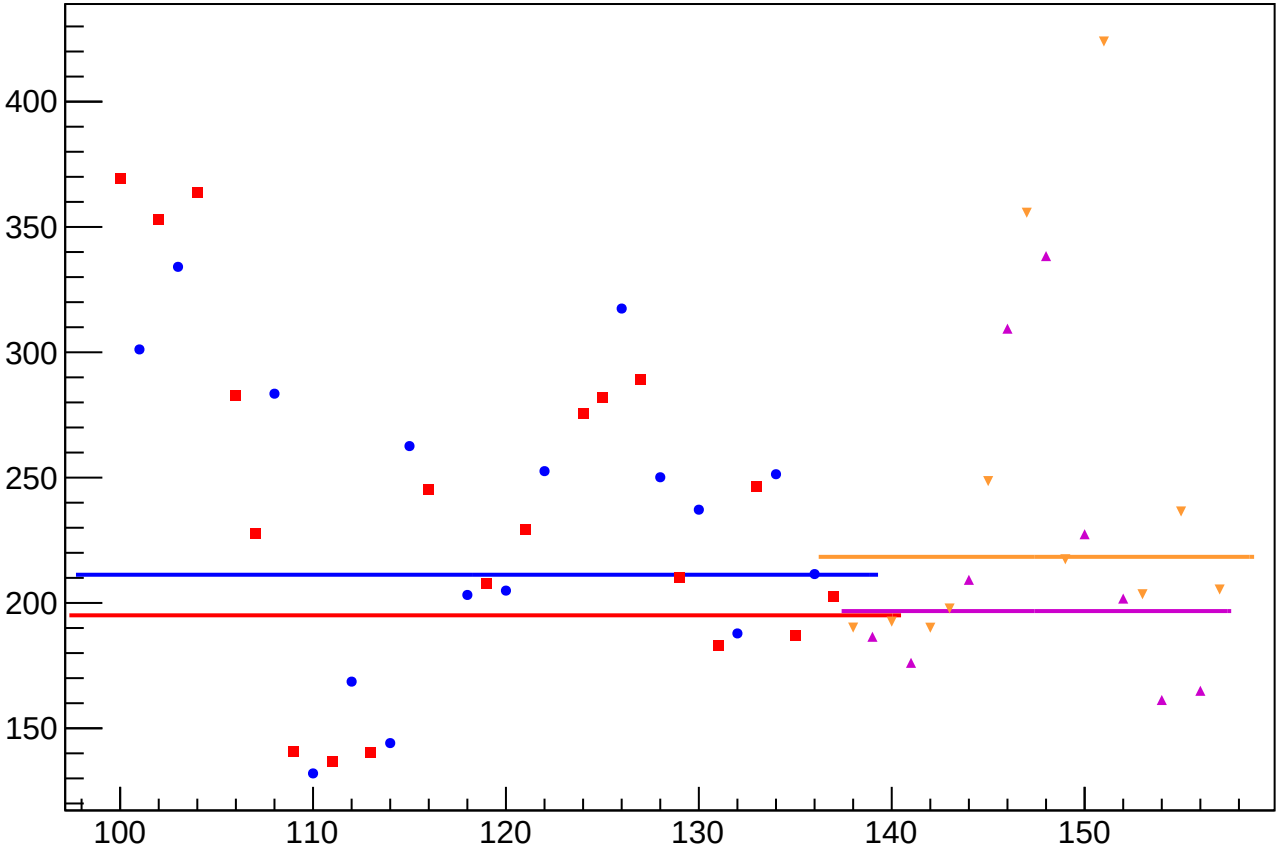
Left In: 151.569+/-74.142 χ^2/NDF:565.8/8

+ sign 562.784+/-56.289 χ^2/NDF: 1585.1/26

All: 578.080+/-38.610 χ^2/NDF: 2700.9/54

- sign 591.671+/-53.061 χ^2/NDF: 1115.6/27

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.394+/-0.054 χ^2/NDF:767924.7/10

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

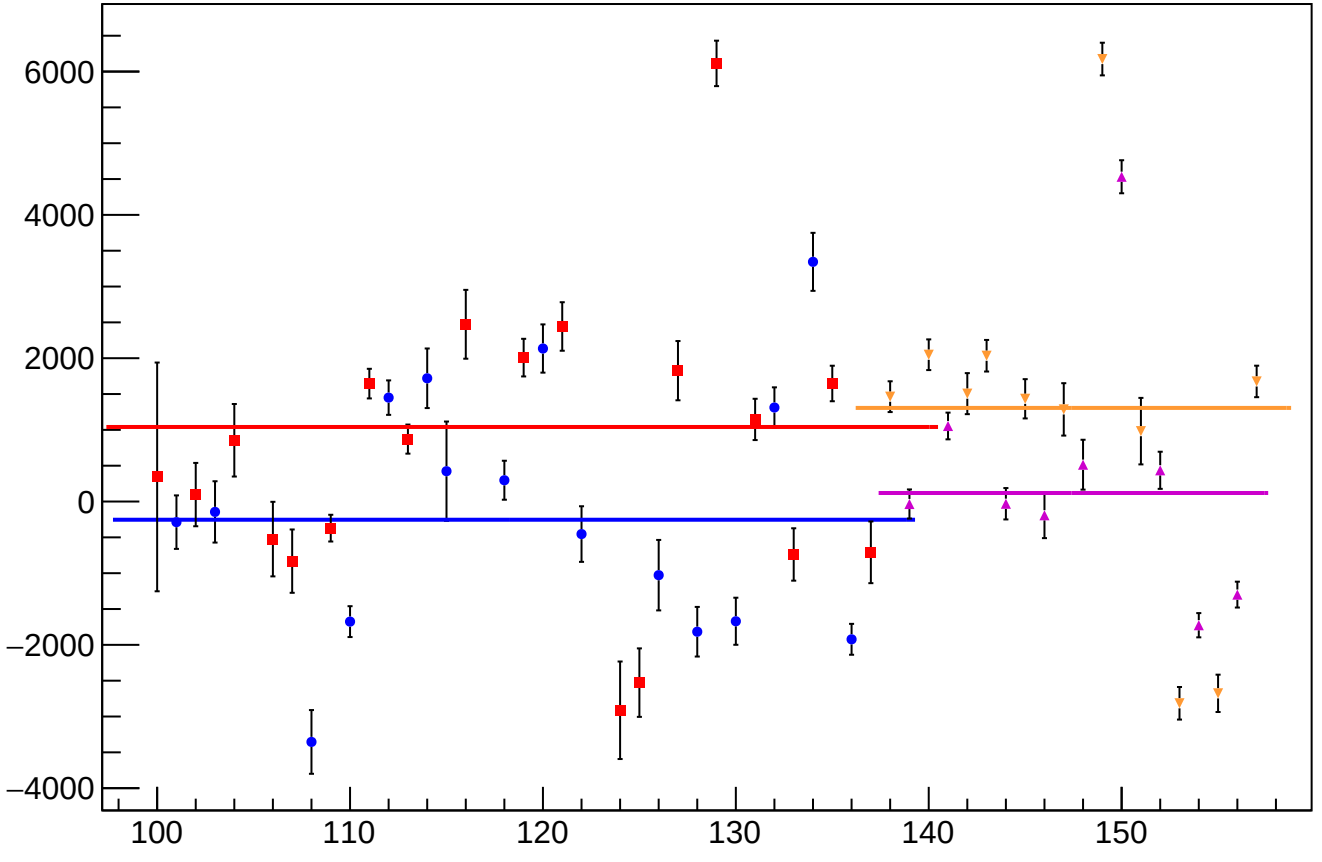
Left In: 196.758+/-0.052 χ^2/NDF:734169.2/8

+ sign 215.069+/-0.040 χ^2/NDF: 1660296.8/26

All: 204.935+/-0.027 χ^2/NDF: 3802286.6/54

- sign 195.930+/-0.038 χ^2/NDF: 2019560.1/27

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1306.364+/-75.433 χ^2/NDF:1046.4/10

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

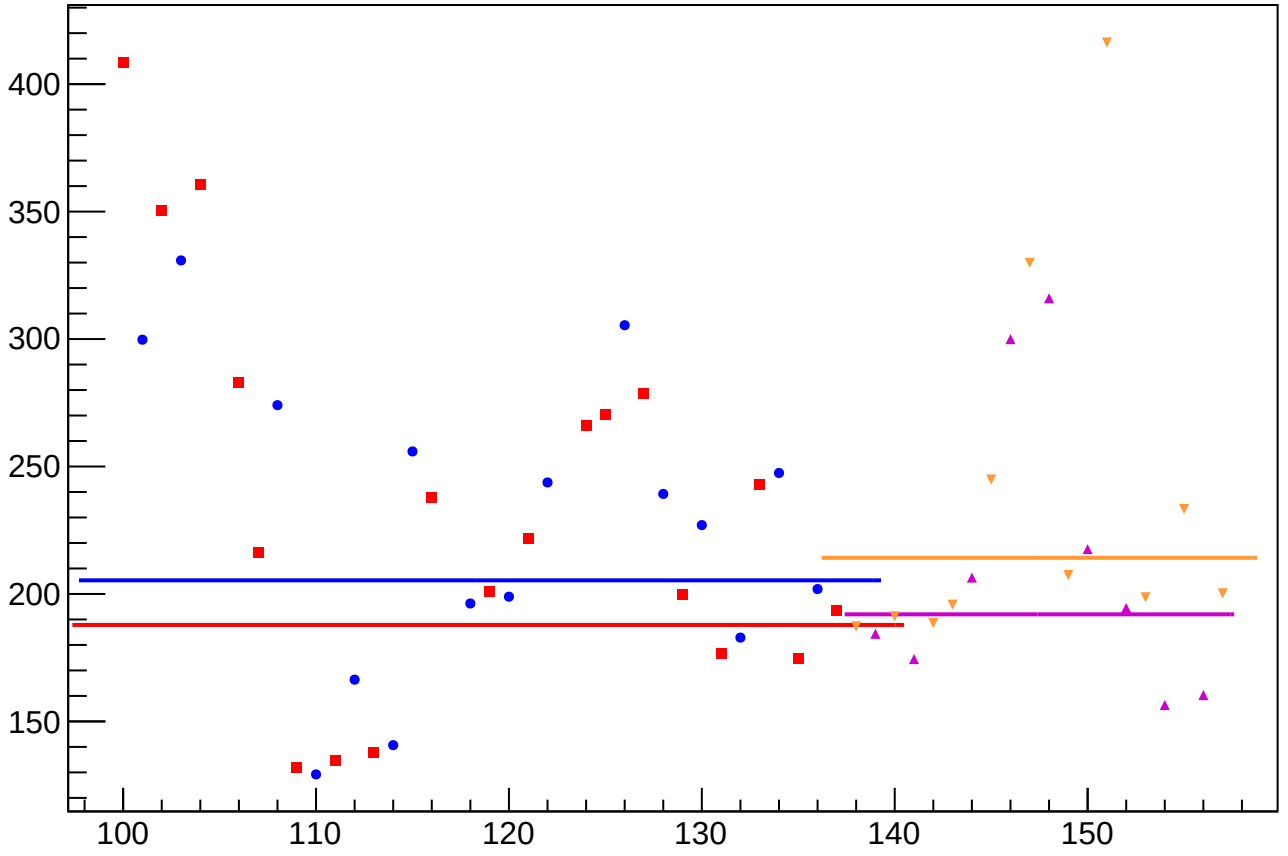
Left In: 119.101+/-72.311 χ^2/NDF:576.9/8

+ sign 574.124+/-54.955 χ^2/NDF: 1679.3/26

All: 573.568+/-37.578 χ^2/NDF: 2869.6/54

- sign 573.080+/-51.500 χ^2/NDF: 1190.3/27

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.193+/-0.053 χ^2/NDF:719106.1/10

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

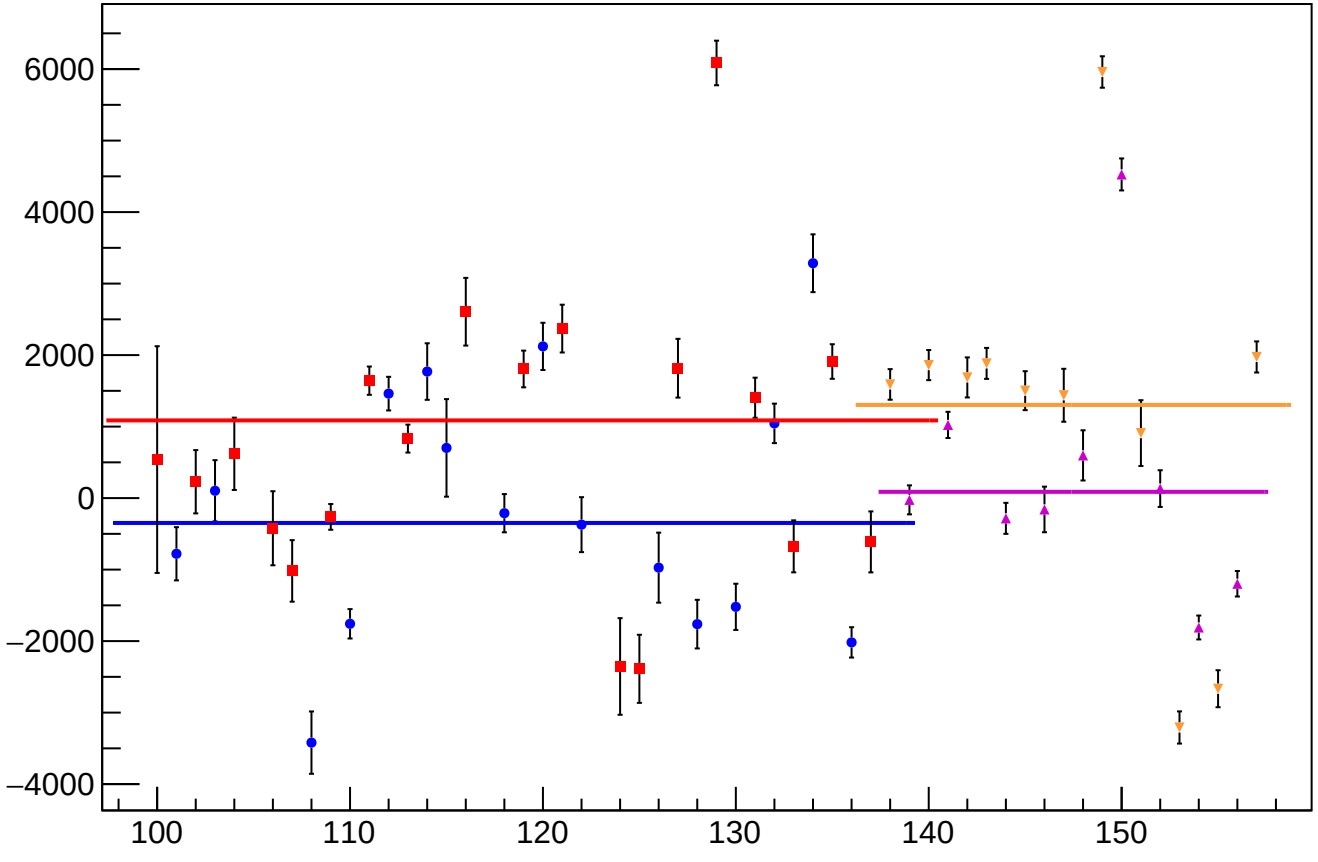
Left In: 192.012+/-0.051 χ^2/NDF:687020.7/8

+ sign 210.039+/-0.039 χ^2/NDF: 1609427.7/26

All: 199.349+/-0.027 χ^2/NDF: 3778918.9/54

- sign 189.960+/-0.036 χ^2/NDF: 2027337.9/27

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1303.055+/-74.454 χ^2/NDF:1114.1/10

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

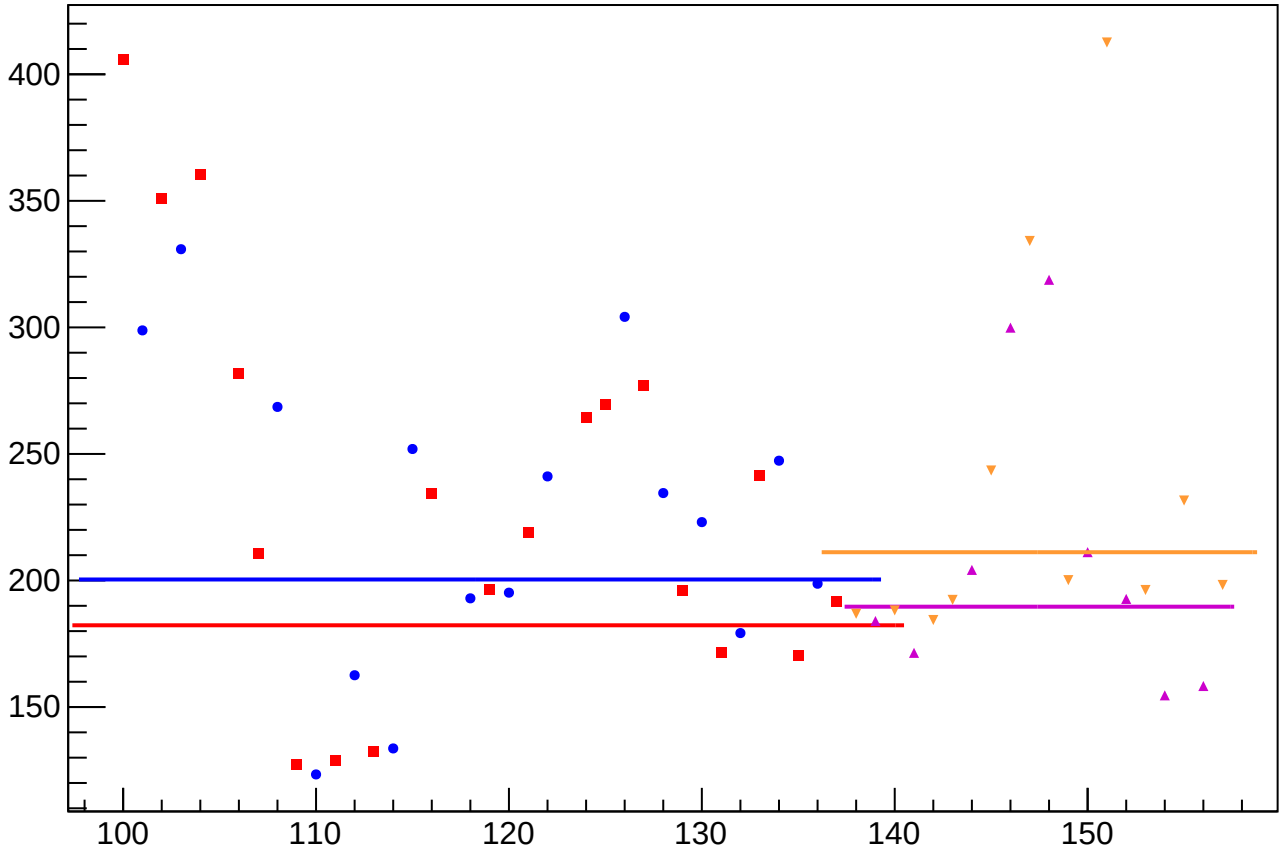
Left In: 87.525+/-71.482 χ^2/NDF:606.2/8

+ sign 522.030+/-54.043 χ^2/NDF: 1792.5/26

All: 556.504+/-36.923 χ^2/NDF: 3024.3/54

- sign 586.684+/-50.566 χ^2/NDF: 1231.0/27

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 211.174+/-0.053 χ^2/NDF:748114.0/10

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

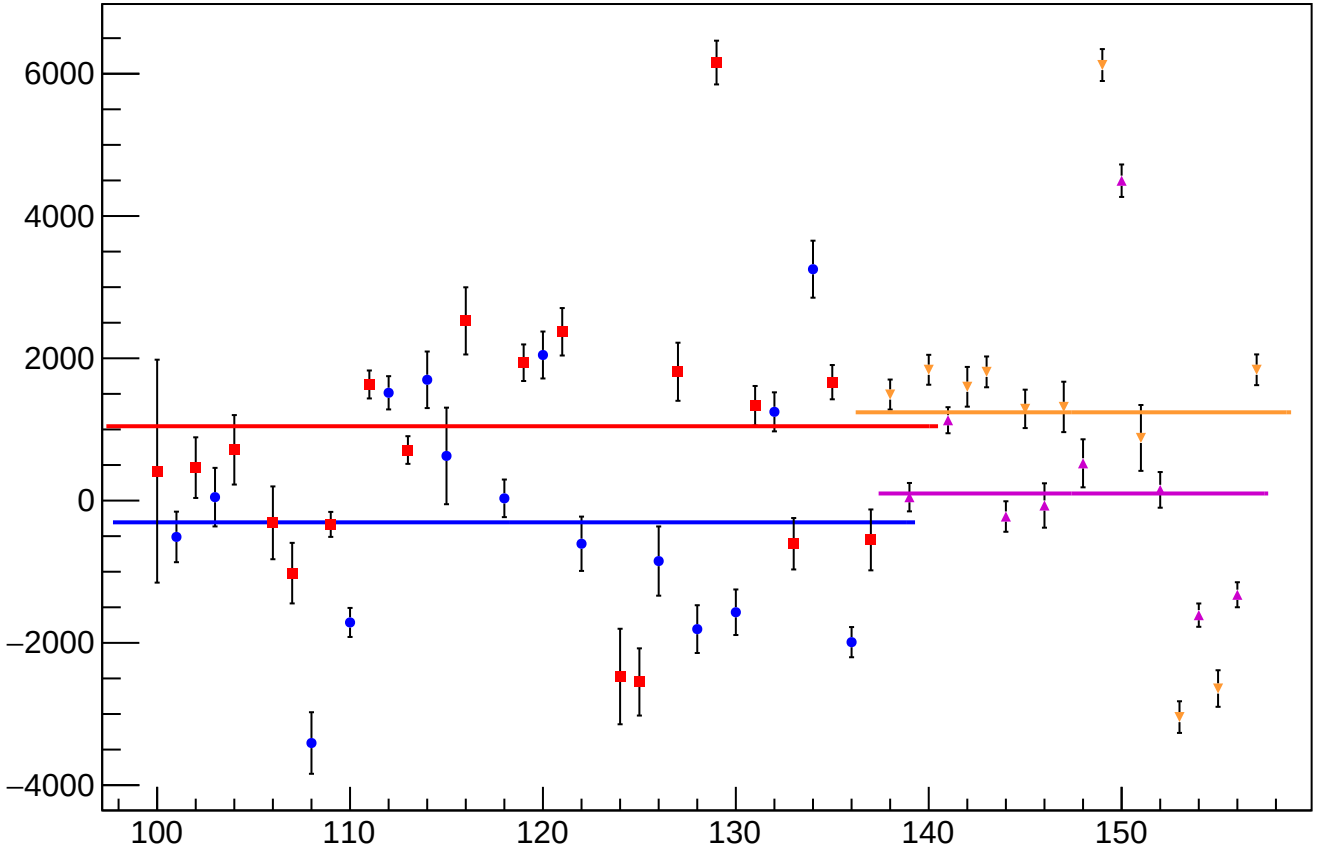
Left In: 189.652+/-0.051 χ^2/NDF:708438.2/8

+ sign 206.076+/-0.038 χ^2/NDF: 1726936.0/26

All: 195.361+/-0.026 χ^2/NDF: 4040597.8/54

- sign 185.980+/-0.036 χ^2/NDF: 2166201.4/27

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1240.927+/-74.086 χ^2/NDF:1098.7/10

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

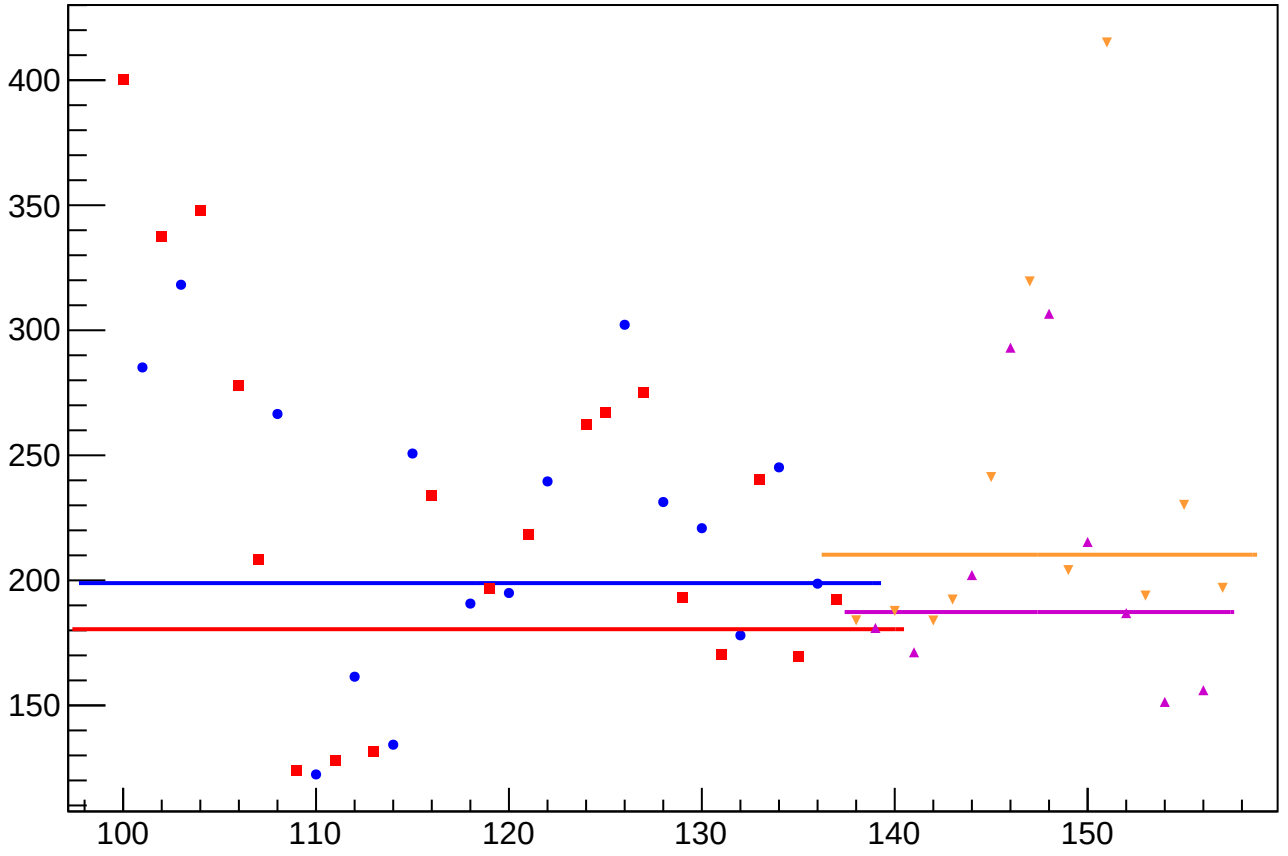
Left In: 99.779+/-70.650 χ^2/NDF:581.4/8

+ sign 506.111+/-53.674 χ^2/NDF: 1757.6/26

All: 541.001+/-36.592 χ^2/NDF: 2981.3/54

- sign 571.300+/-50.018 χ^2/NDF: 1222.9/27

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.254+/-0.052 χ^2/NDF:725426.8/10

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

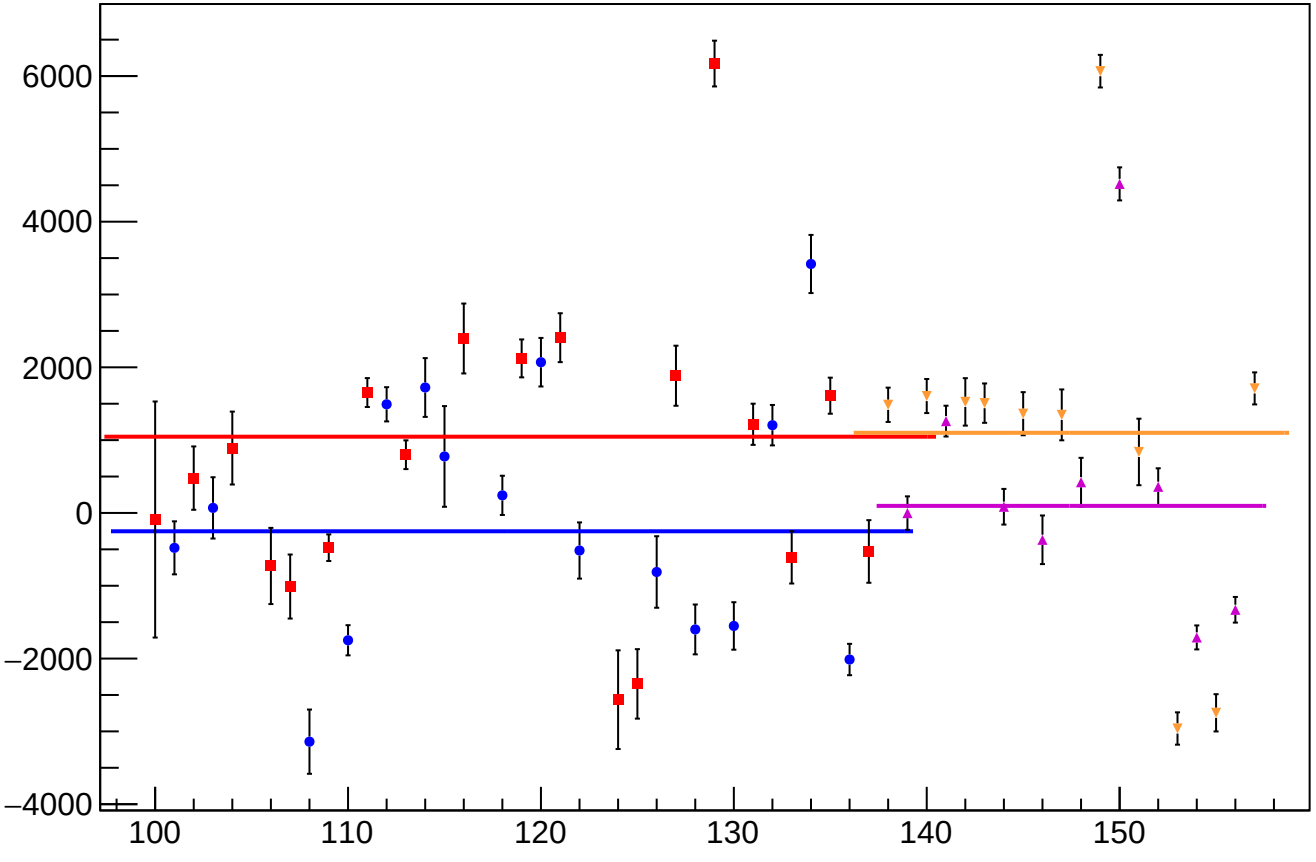
Left In: 187.334+/-0.050 χ^2/NDF:695595.4/8

+ sign 204.861+/-0.038 χ^2/NDF: 1660498.9/26

All: 193.649+/-0.026 χ^2/NDF: 3962995.2/54

- sign 183.912+/-0.035 χ^2/NDF: 2139440.7/27

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1100.732+/-79.061 χ^2/NDF:1073.3/10

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

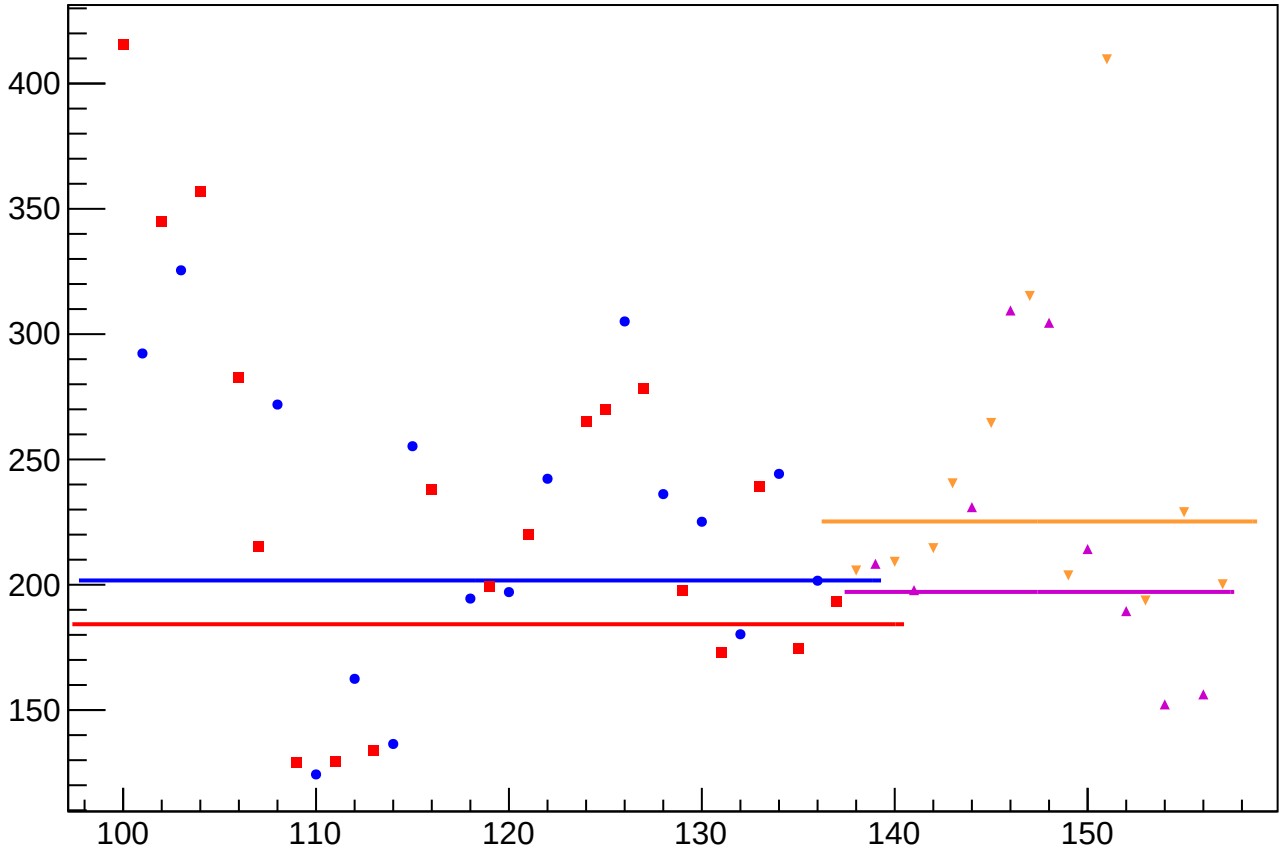
Left In: 97.016+/-74.582 χ^2/NDF:599.4/8

+ sign 423.721+/-55.874 χ^2/NDF: 1661.0/26

All: 511.716+/-38.015 χ^2/NDF: 2895.6/54

- sign 587.554+/-51.871 χ^2/NDF: 1230.0/27

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 225.254+/-0.056 χ^2/NDF:610945.4/10

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

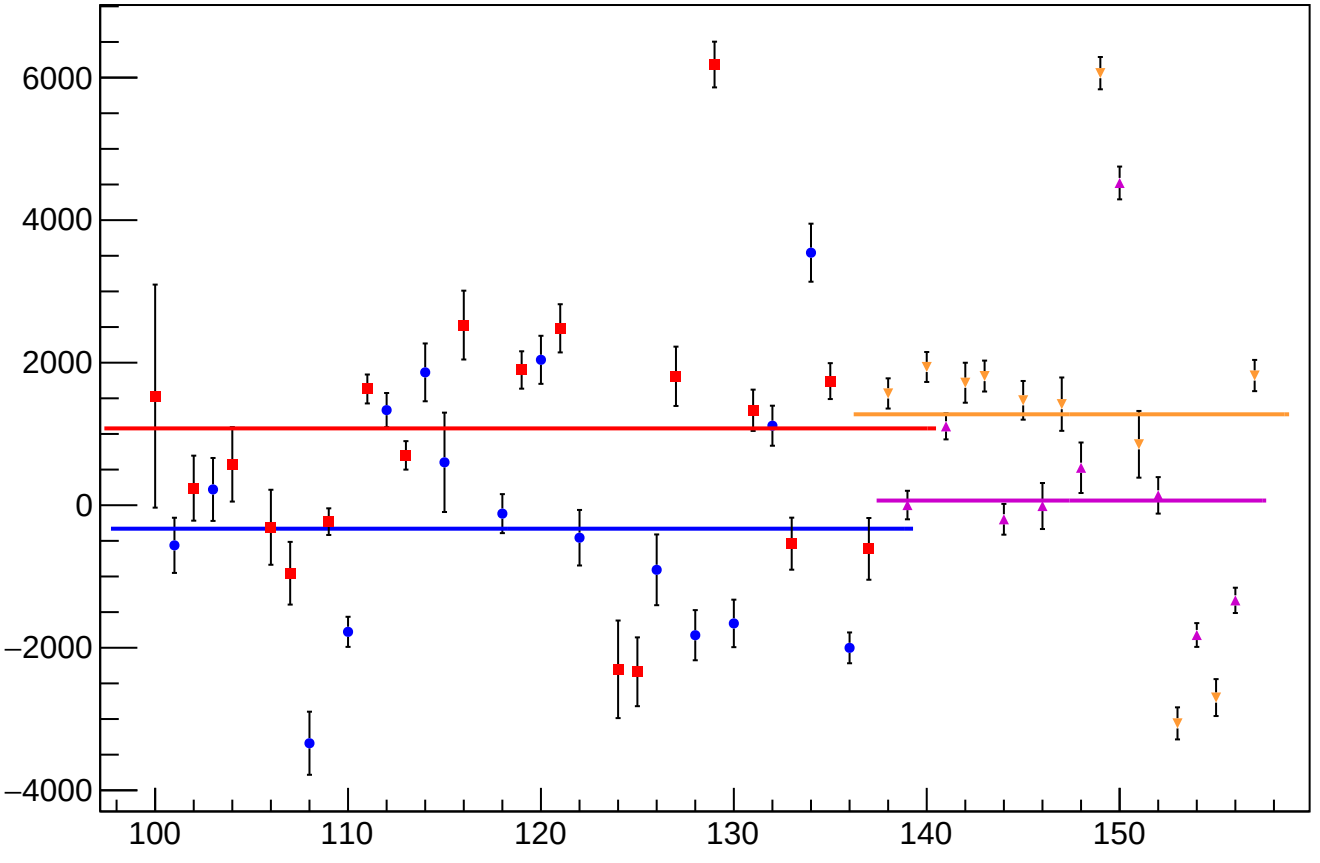
Left In: 197.138+/-0.053 χ^2/NDF:743653.7/8

+ sign 213.471+/-0.040 χ^2/NDF: 1623904.6/26

All: 201.123+/-0.027 χ^2/NDF: 3984041.2/54

- sign 190.481+/-0.037 χ^2/NDF: 2178279.9/27

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1275.793+/-74.729 χ^2/NDF:1081.1/10

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

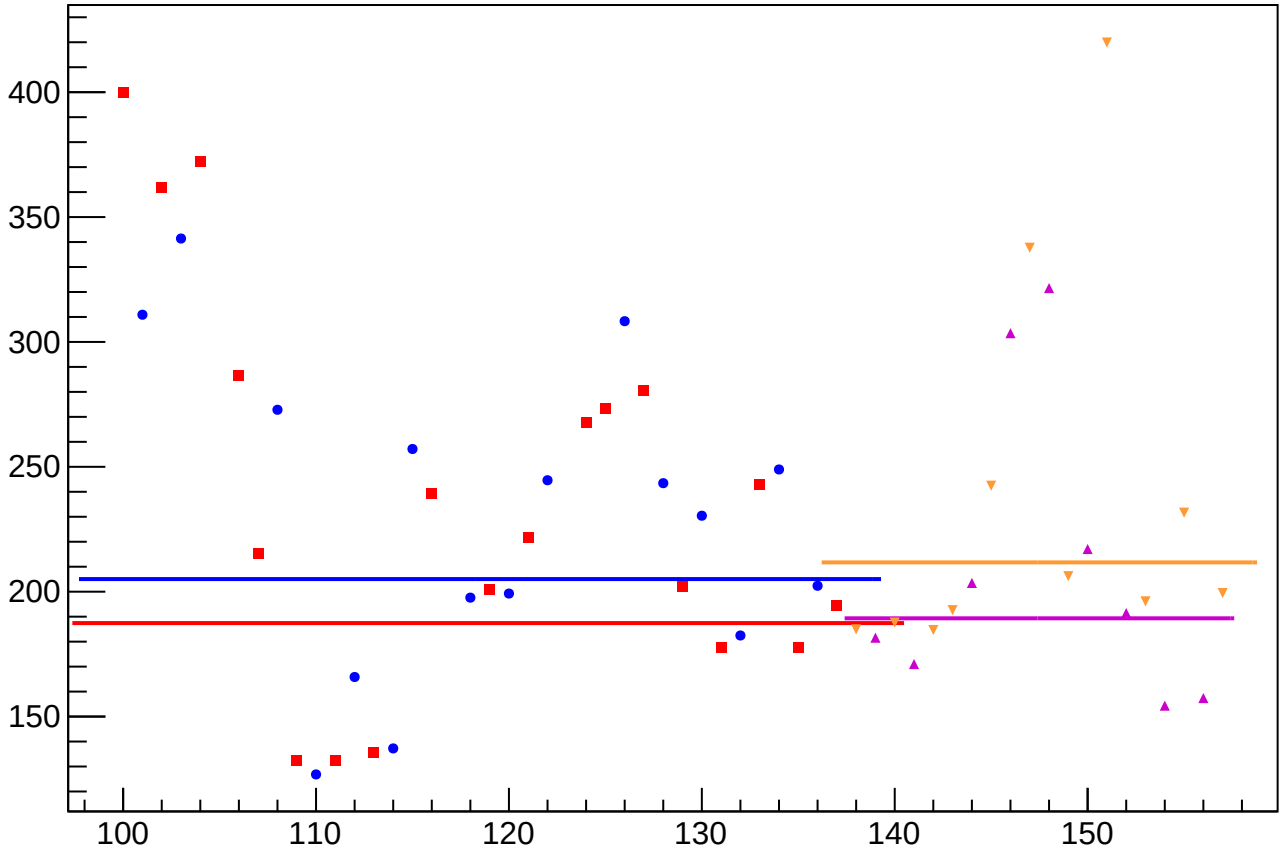
Left In: 65.561+/-71.490 χ^2/NDF:601.2/8

\+ sign 531.479+/-54.726 χ^2/NDF: 1731.4/26

All: 545.802+/-37.394 χ^2/NDF: 2932.3/54

\- sign 558.346+/-51.214 χ^2/NDF: 1200.8/27

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 211.731+/-0.053 χ^2/NDF:769122.6/10

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

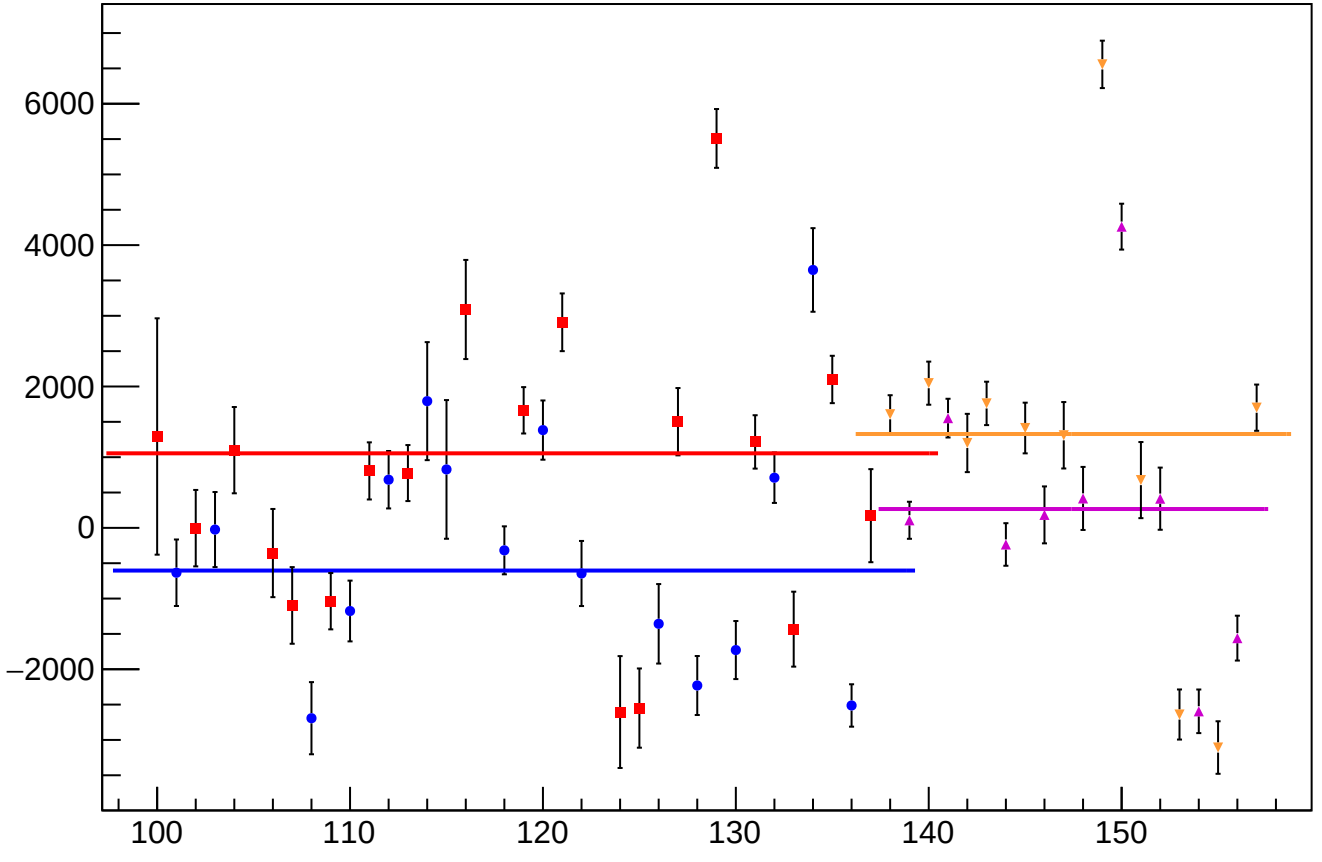
Left In: 189.337+/-0.051 χ^2/NDF:742130.8/8

+ sign 208.634+/-0.039 χ^2/NDF: 1739580.8/26

All: 197.852+/-0.026 χ^2/NDF: 4038834.3/54

- sign 188.409+/-0.036 χ^2/NDF: 2153624.5/27

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1327.858+/-105.266 χ^2/NDF:522.5/10

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

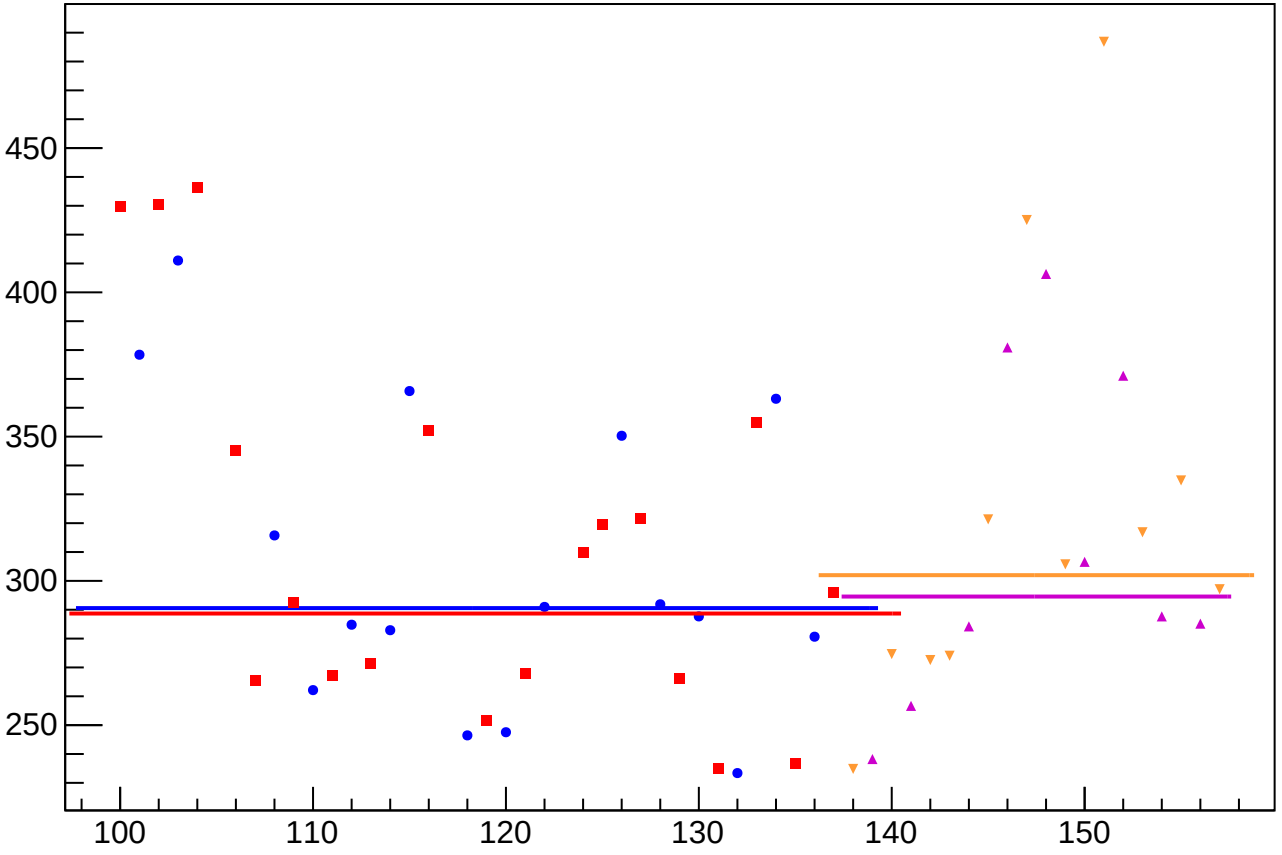
Left In: 266.732+/-108.332 χ^2/NDF:296.1/8

\+ sign 410.512+/-76.281 χ^2/NDF: 875.9/26

All: 535.215+/-54.043 χ^2/NDF: 1501.5/54

\- sign 660.891+/-76.578 χ^2/NDF: 620.2/27

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 301.980+/-0.074 χ^2/NDF:565910.7/10

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

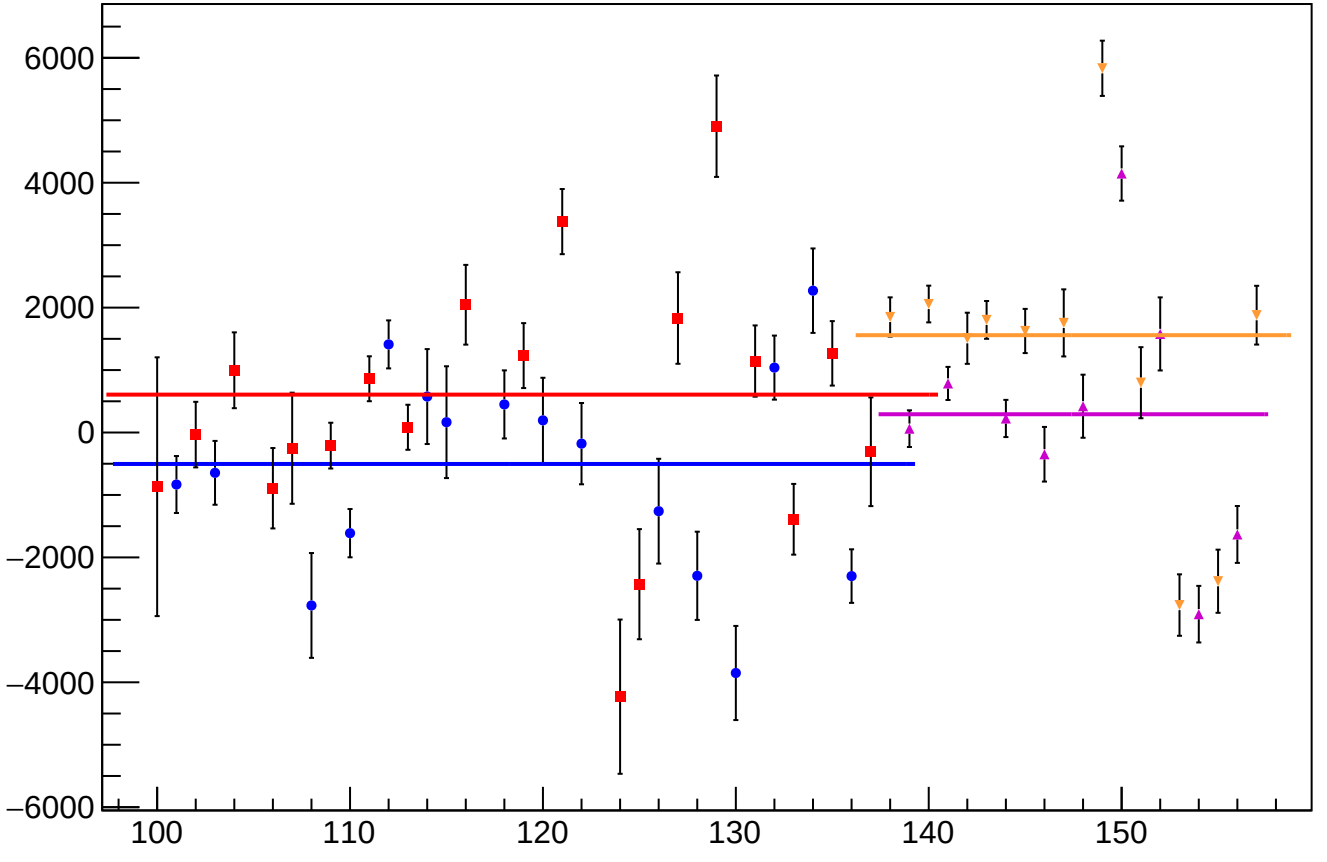
Left In: 294.570+/-0.077 χ^2/NDF:416653.6/8

+ sign 296.560+/-0.054 χ^2/NDF: 936883.7/26

All: 294.103+/-0.038 χ^2/NDF: 1849750.9/54

- sign 291.626+/-0.054 χ^2/NDF: 908700.4/27

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1558.630+/-118.875 χ^2/NDF:238.0/10

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

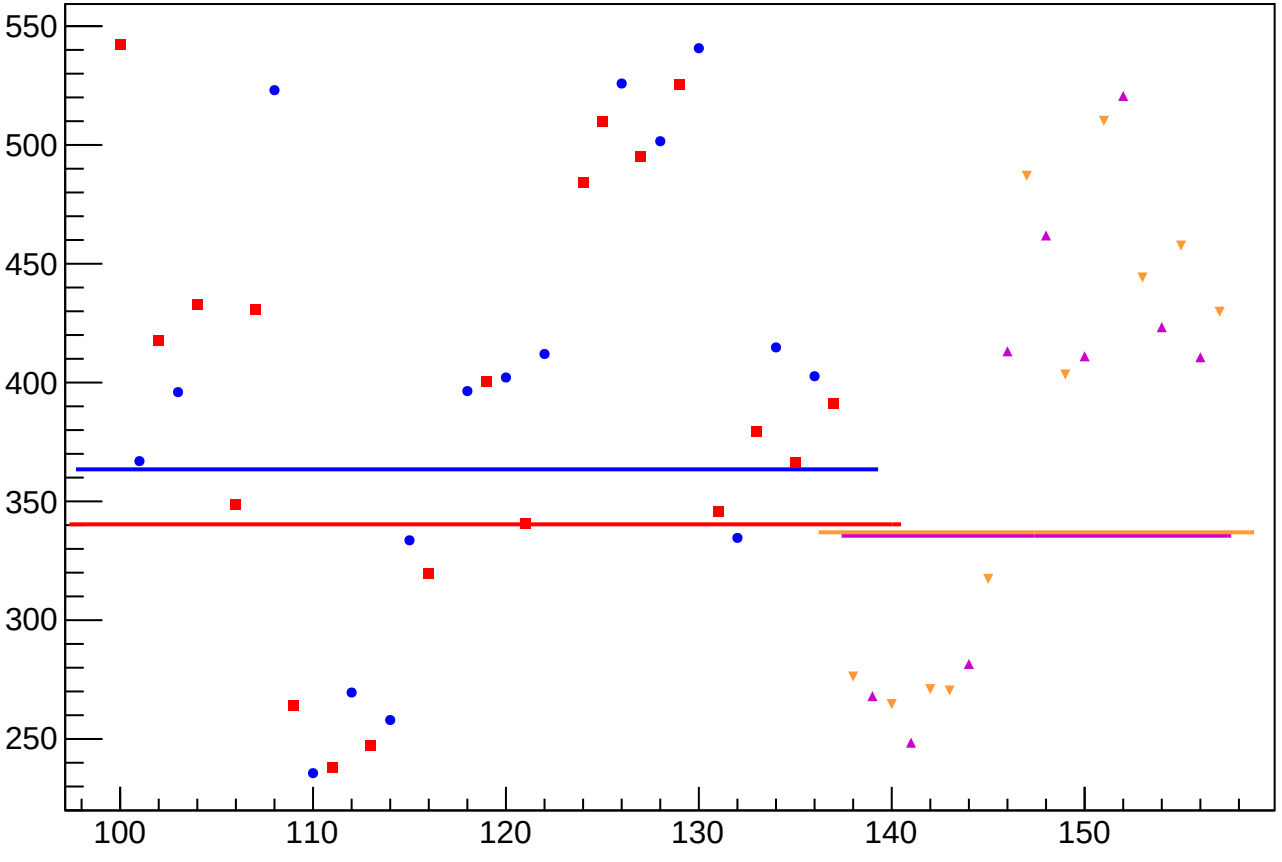
Left In: 292.529+/-124.863 χ^2/NDF:157.5/8

+ sign 695.066+/-90.631 χ^2/NDF: 482.3/26

All: 568.469+/-63.834 χ^2/NDF: 771.9/54

- sign 443.844+/-89.922 χ^2/NDF: 285.7/27

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 336.981+/-0.084 χ^2/NDF:1023291.3/10

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

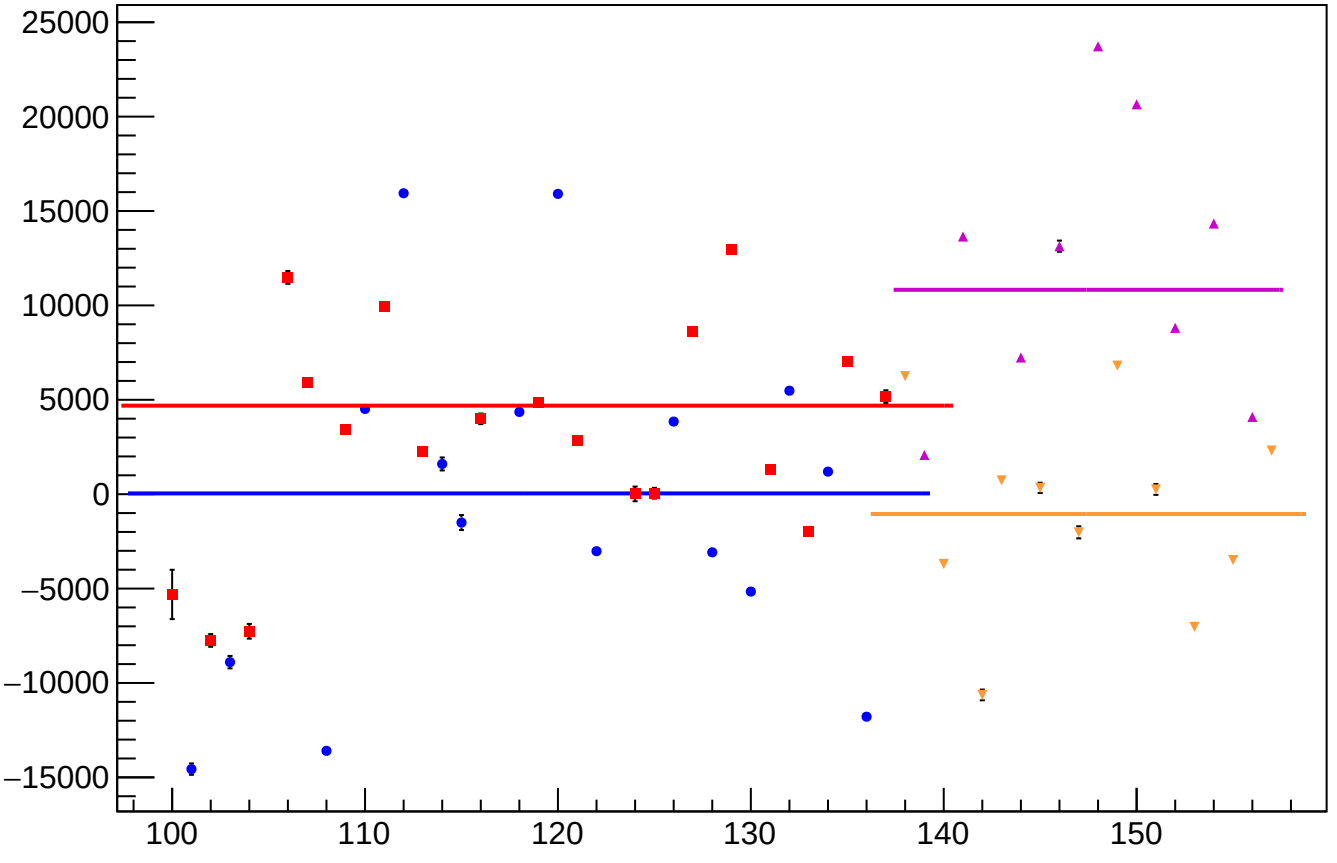
Left In: 335.544+/-0.088 χ^2/NDF:965331.9/8

+ sign 348.074+/-0.064 χ^2/NDF: 1845770.2/26

All: 342.921+/-0.045 χ^2/NDF: 3681575.2/54

- sign 337.849+/-0.064 χ^2/NDF: 1822977.7/27

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1051.393+/-60.652 χ^2/NDF:6562.3/10

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

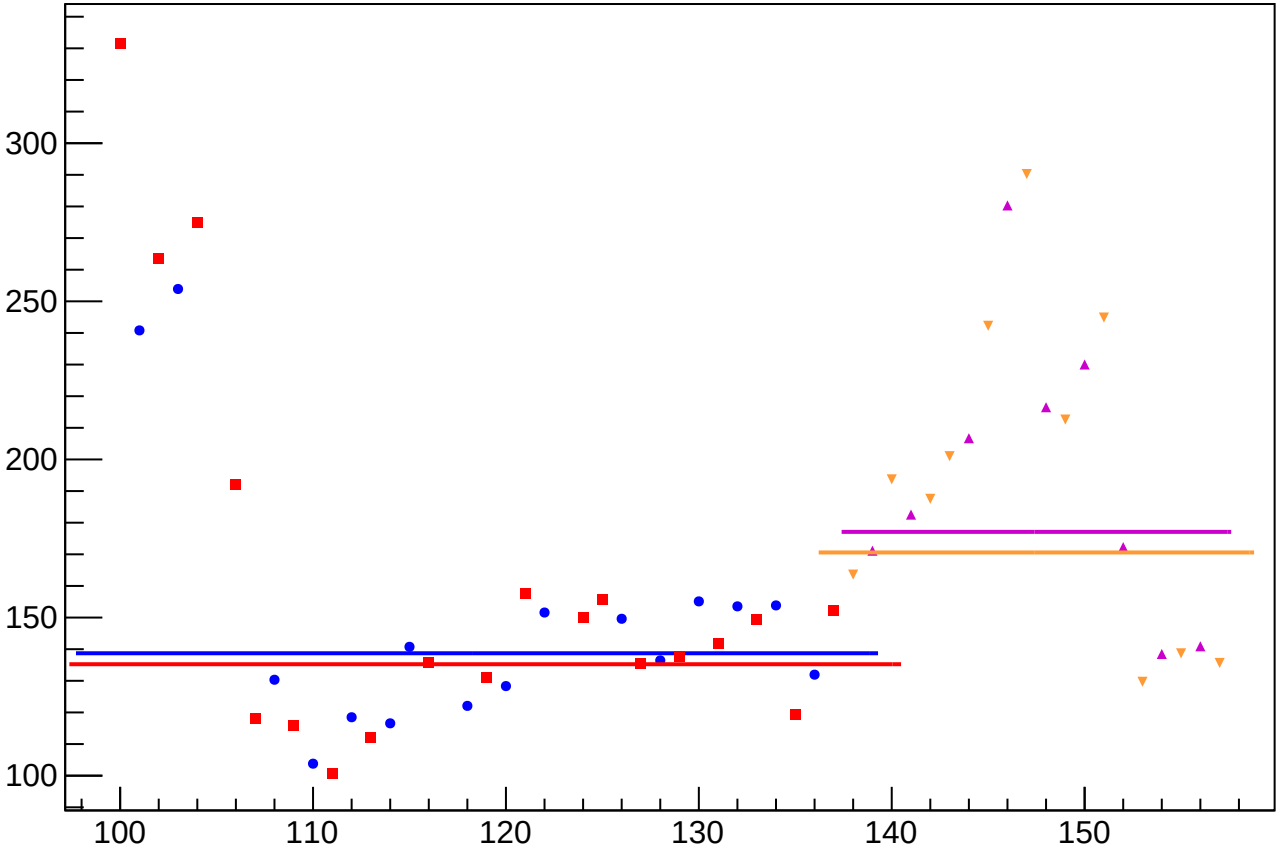
Left In: 10827.078+/-66.548 χ^2/NDF:9556.5/8

+ sign -444.053+/-40.414 χ^2/NDF: 37528.9/26

All: 3233.186+/-28.789 χ^2/NDF: 76963.3/54

- sign 7021.687+/-41.021 χ^2/NDF: 22625.9/27

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 170.587+/-0.043 χ^2/NDF:1043827.7/10

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

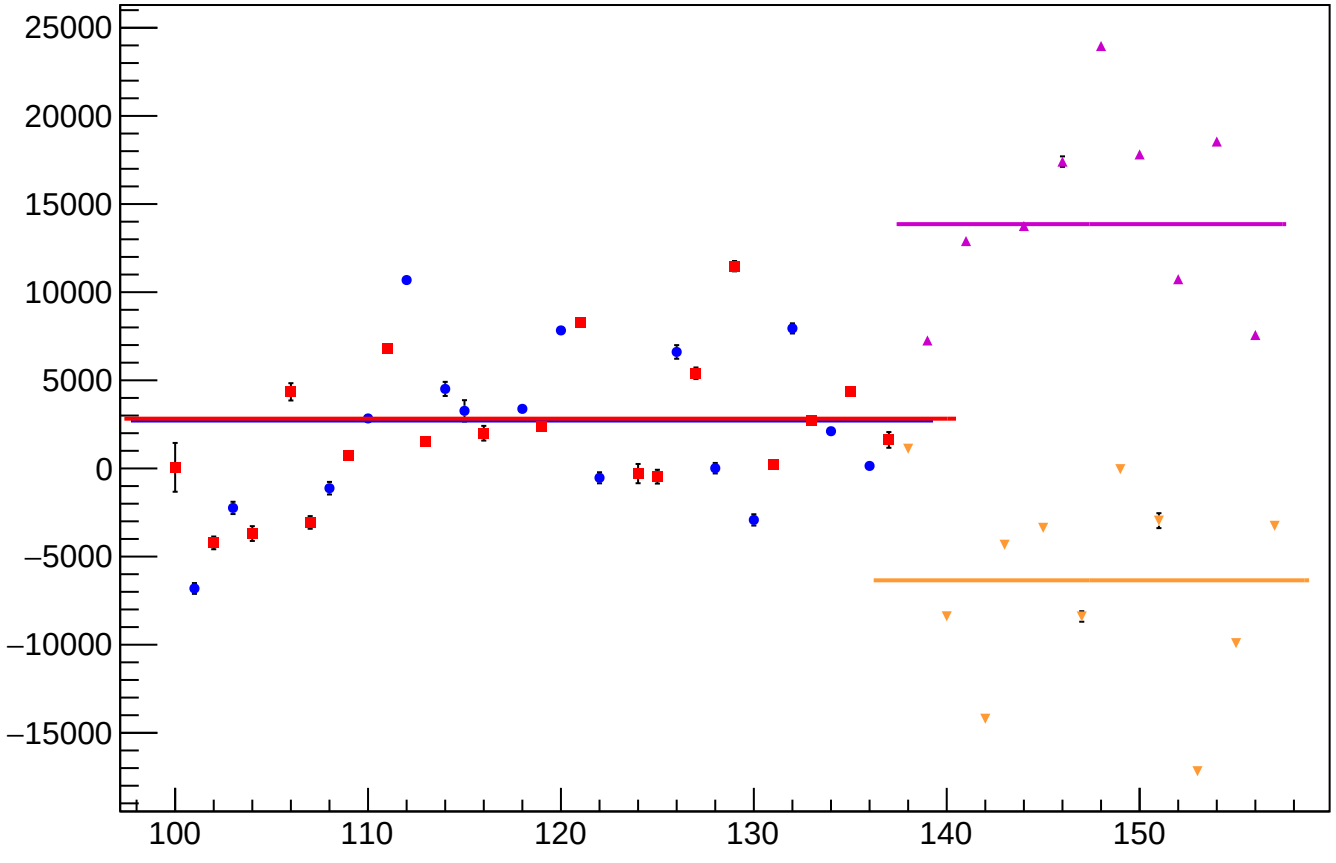
Left In: 177.098+/-0.047 χ^2/NDF:670694.6/8

+ sign 152.864+/-0.029 χ^2/NDF: 2008751.2/26

All: 152.019+/-0.020 χ^2/NDF: 4061730.9/54

- sign 151.148+/-0.029 χ^2/NDF: 2051202.9/27

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6346.781+/-71.145 χ^2/NDF:6750.5/10

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

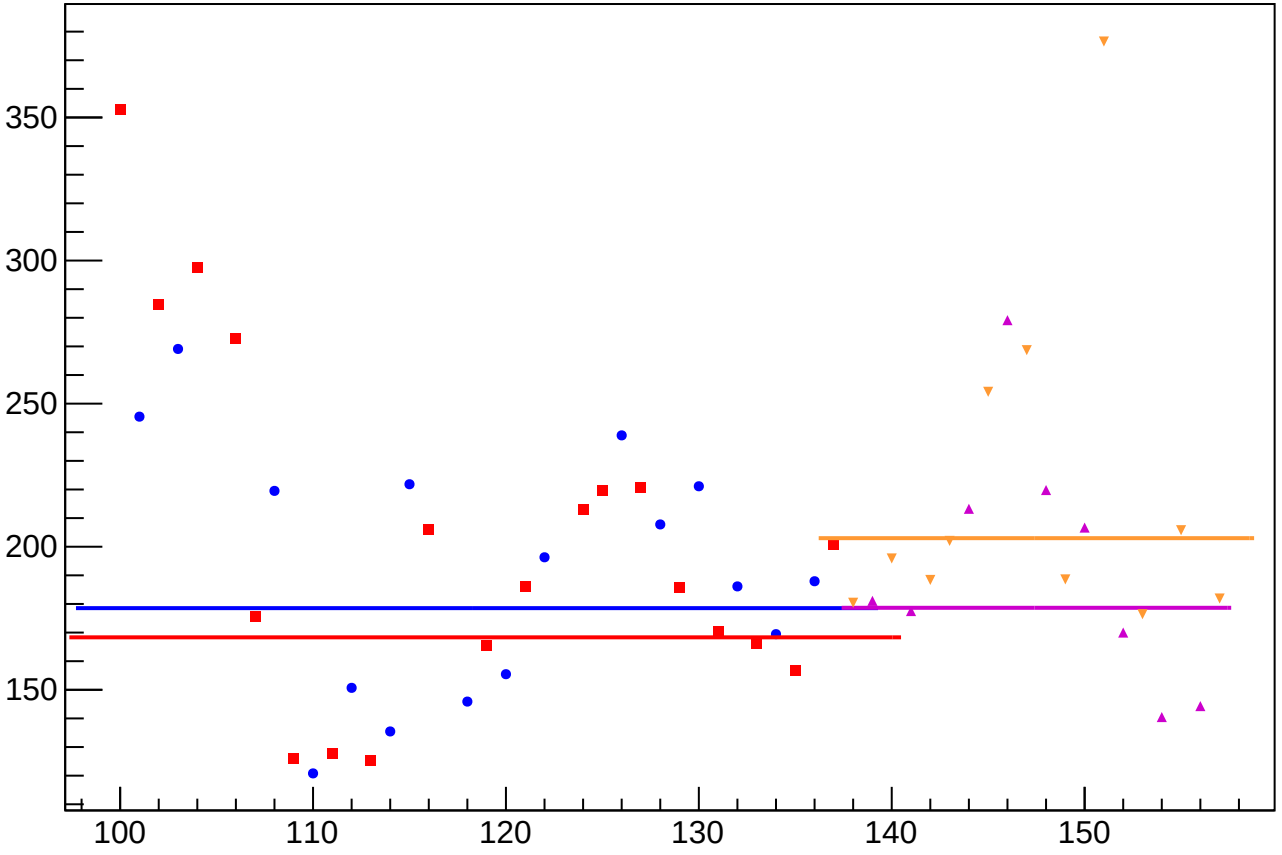
Left In: 13860.637+/-67.174 χ^2/NDF:5922.6/8

+ sign -1690.913+/-49.622 χ^2/NDF: 19219.8/26

All: 3531.369+/-33.991 χ^2/NDF: 63044.7/54

- sign 8147.946+/-46.656 χ^2/NDF: 22958.3/27

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 202.990+/-0.050 χ^2/NDF:596505.0/10

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

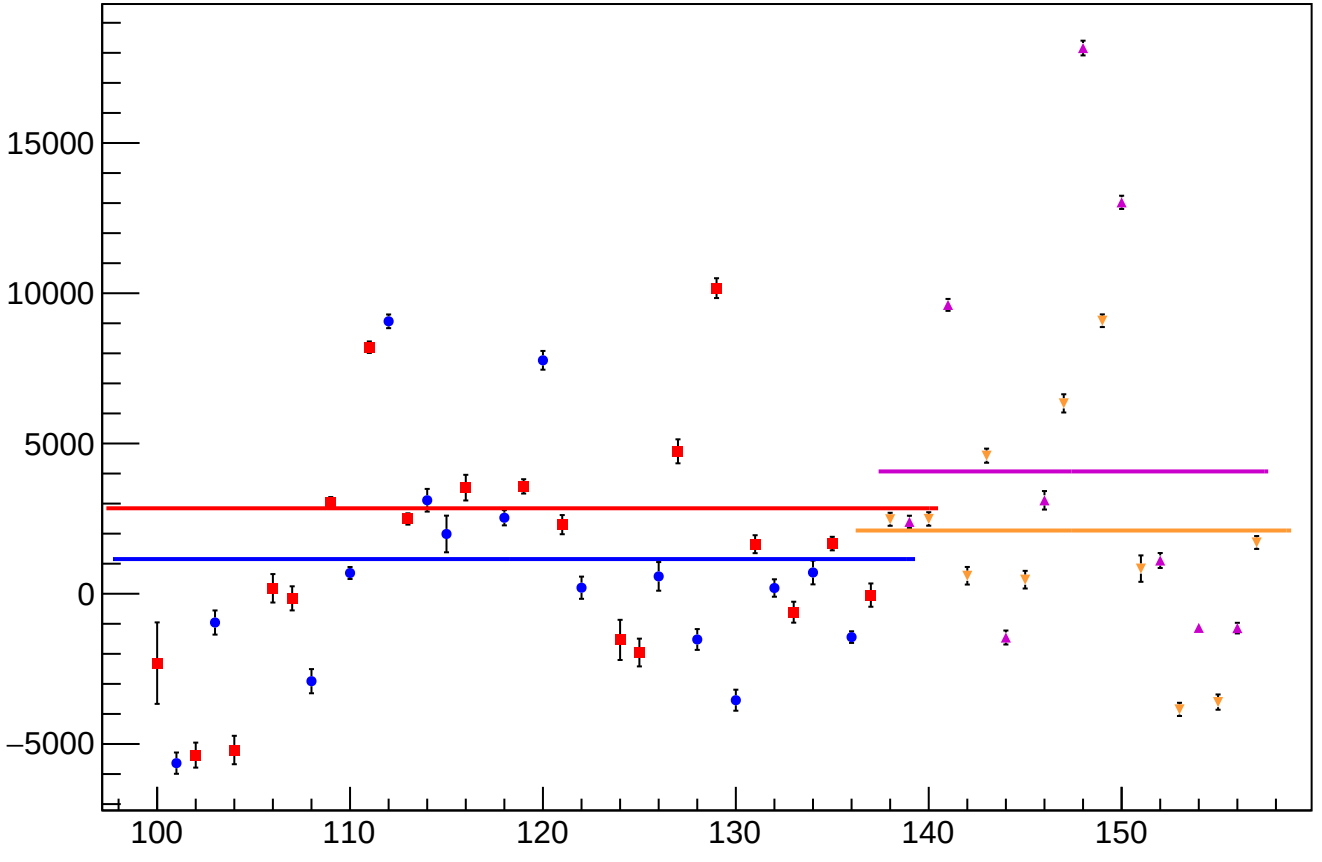
Left In: 178.657+/-0.047 χ^2/NDF:584849.9/8

+ sign 190.435+/-0.035 χ^2/NDF: 1392364.2/26

All: 181.348+/-0.024 χ^2/NDF: 3107516.8/54

- sign 173.314+/-0.033 χ^2/NDF: 1588781.5/27

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2104.168+/-74.779 χ^2/NDF:2714.0/10

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

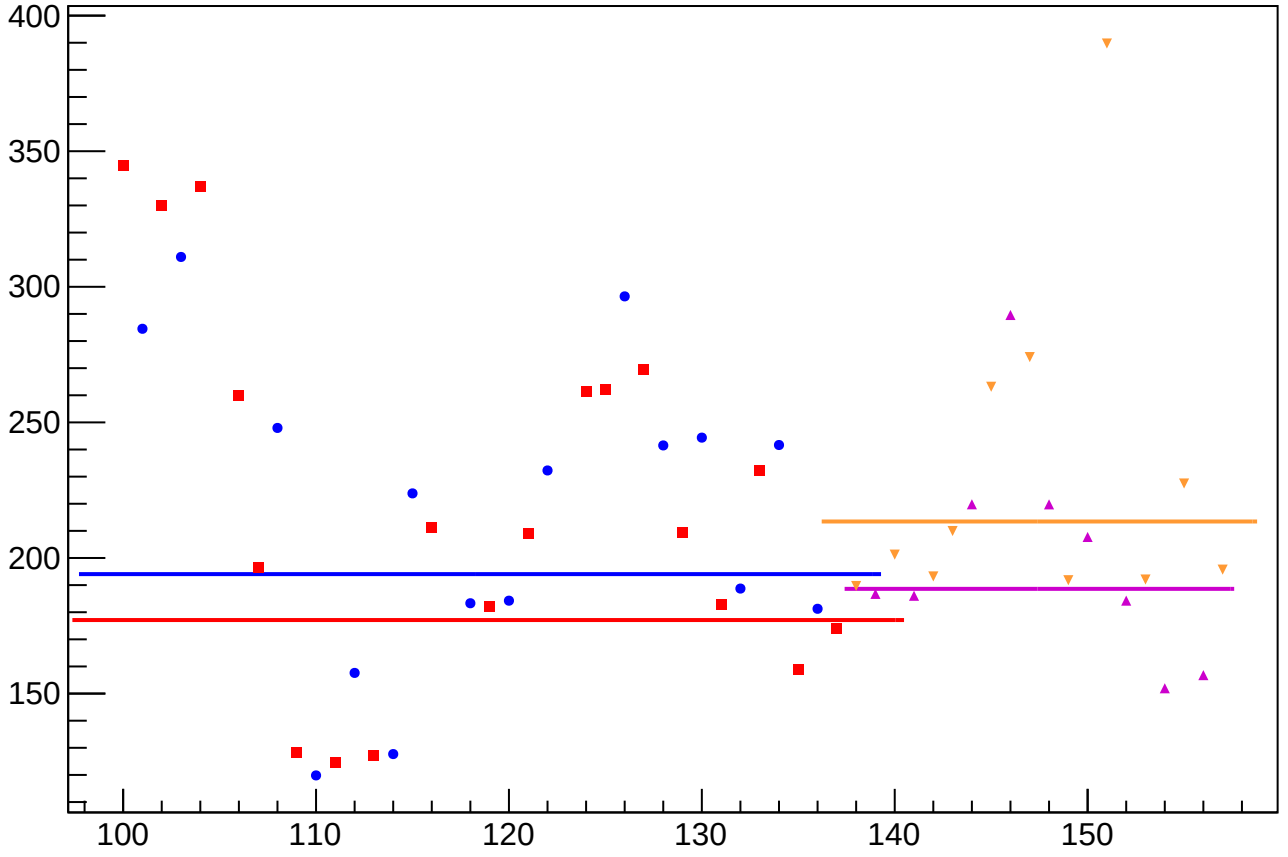
Left In: 4070.457+/-70.672 χ^2/NDF:8378.1/8

+ sign 1636.418+/-53.288 χ^2/NDF: 5448.9/26

All: 2608.014+/-36.236 χ^2/NDF: 17052.4/54

- sign 3443.727+/-49.422 χ^2/NDF: 10985.1/27

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 213.457+/-0.053 χ^2/NDF:558570.9/10

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

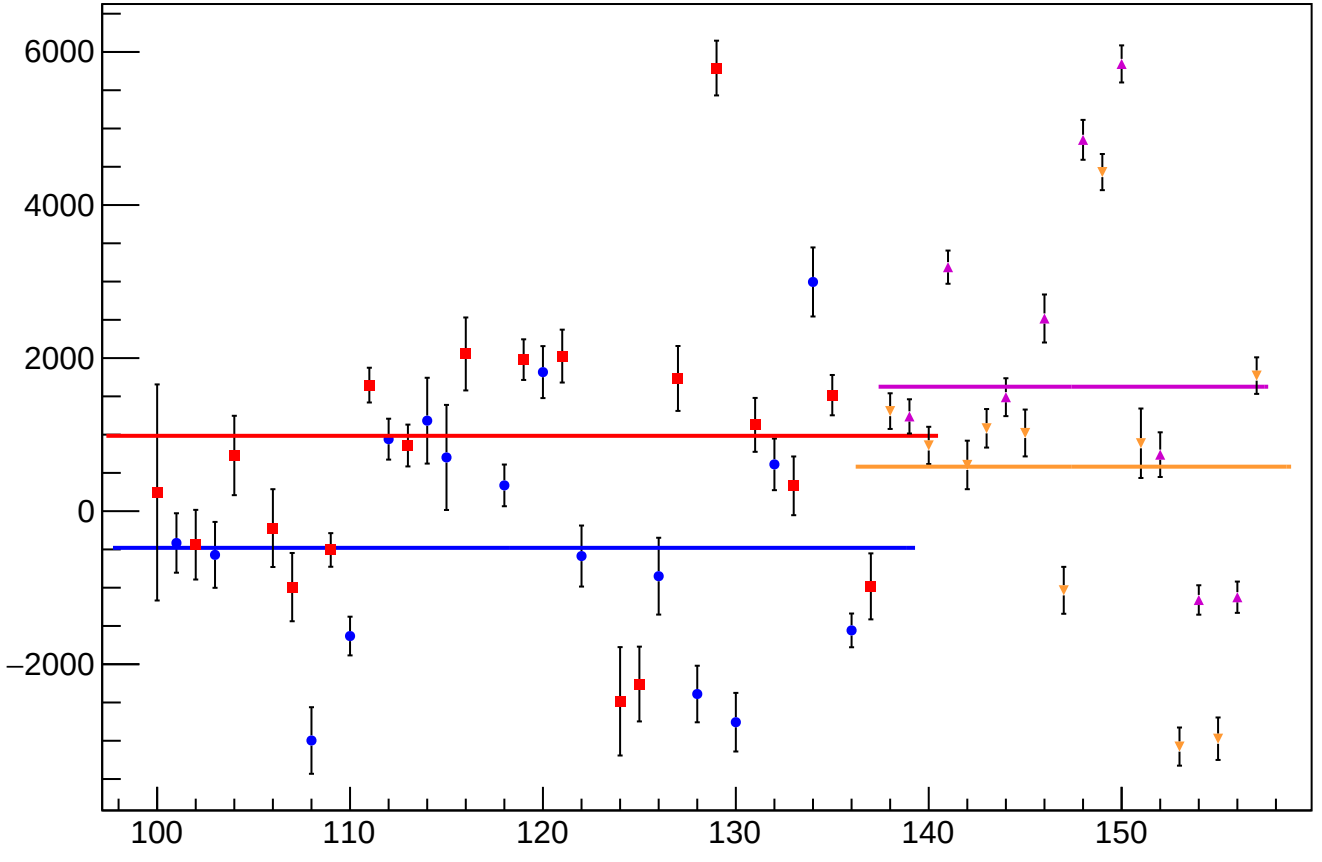
Left In: 188.617+/-0.050 χ^2/NDF:463269.2/8

+ sign 203.906+/-0.038 χ^2/NDF: 1590634.3/26

All: 192.527+/-0.026 χ^2/NDF: 3609951.8/54

- sign 182.740+/-0.035 χ^2/NDF: 1849682.7/27

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 581.403+/-81.179 χ^2/NDF:715.3/10

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

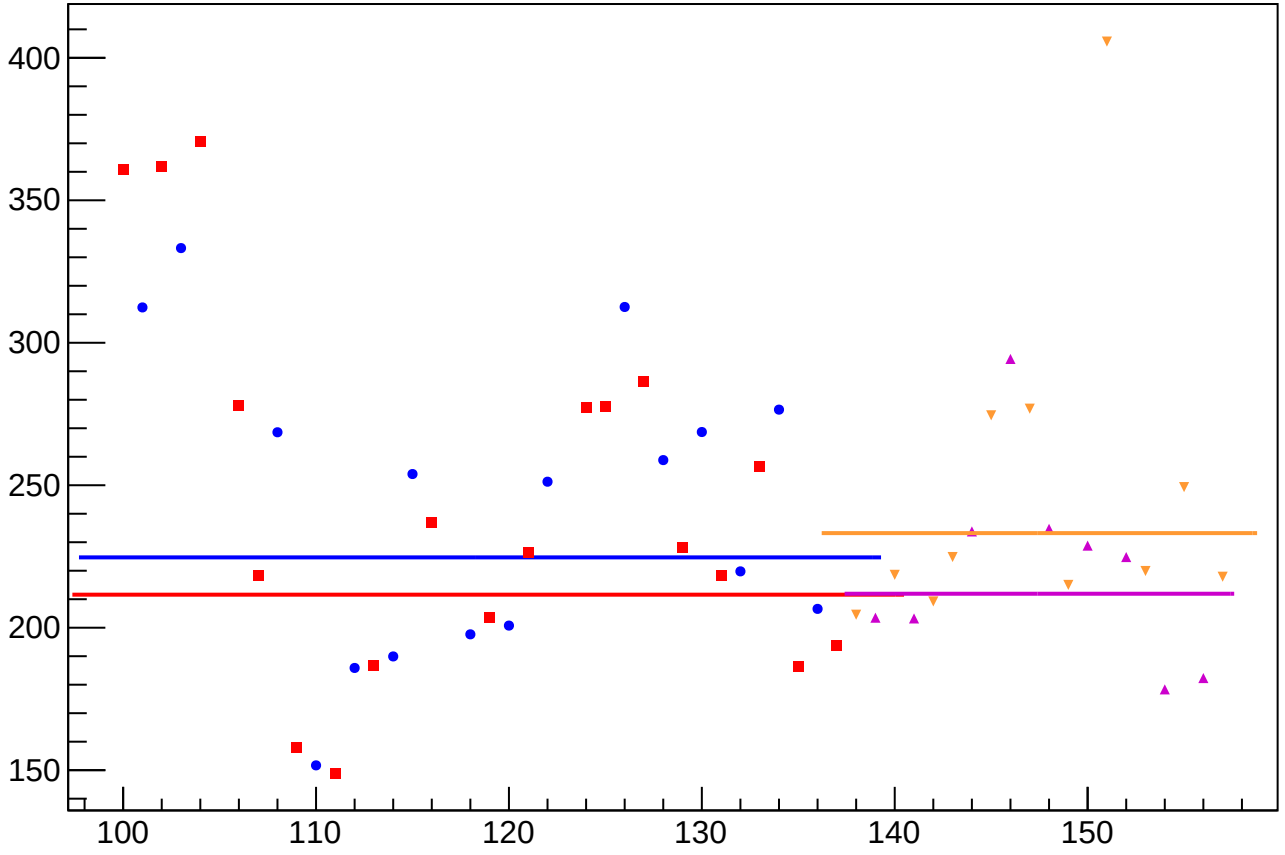
Left In: 1626.108+/-78.511 χ^2/NDF:920.0/8

+ sign 85.804+/-59.253 χ^2/NDF: 1100.5/26

All: 731.227+/-40.836 χ^2/NDF: 2677.0/54

- sign 1315.094+/-56.357 χ^2/NDF: 1350.5/27

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.199+/-0.057 χ^2/NDF:449716.5/10

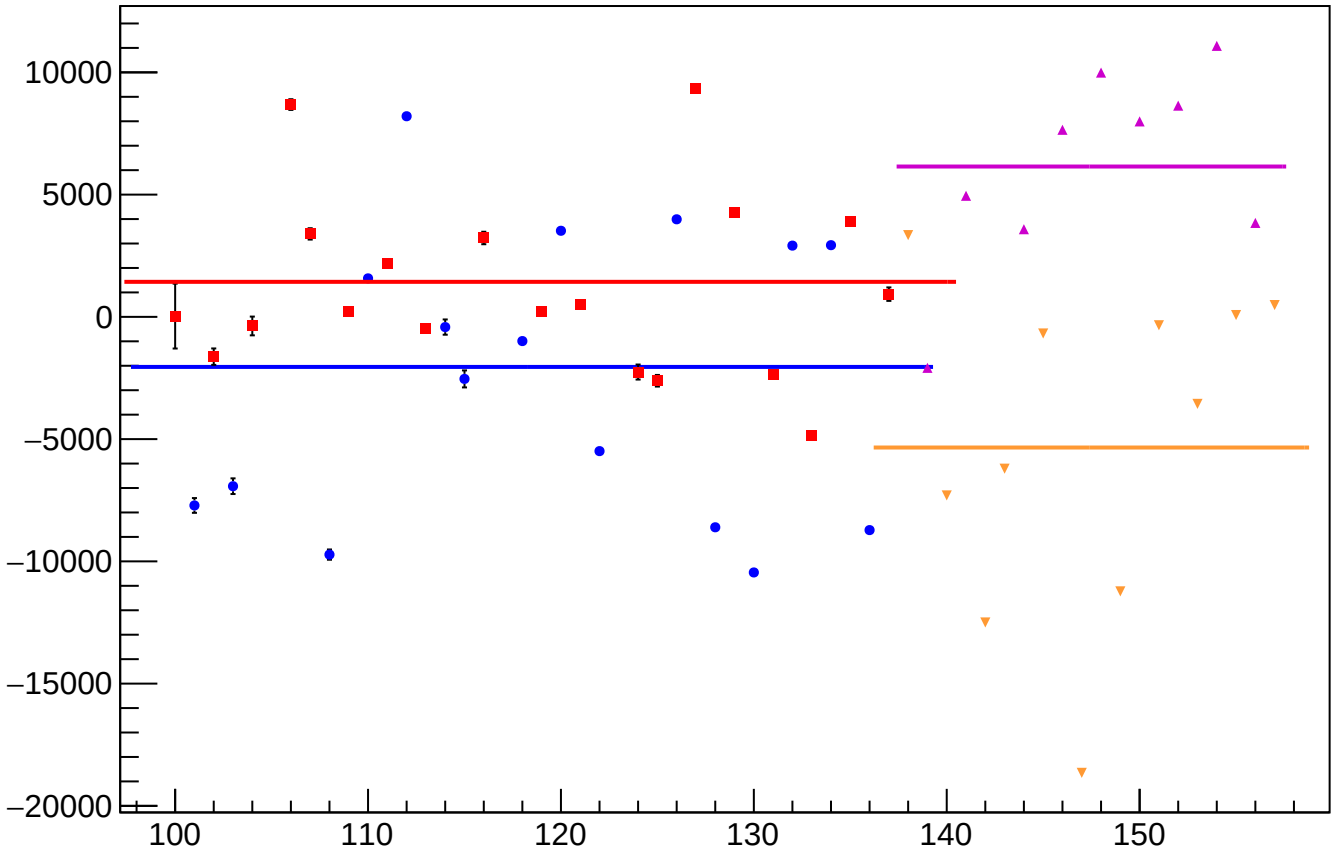
Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 211.922+/-0.056 χ^2/NDF:291351.4/8

+ sign 229.220+/-0.042 χ^2/NDF: 1113193.8/26

All: 220.055+/-0.029 χ^2/NDF: 2428602.1/54

- sign 211.764+/-0.040 χ^2/NDF: 1224270.7/27



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5343.664+/-39.314 χ^2/NDF:27614.6/10

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

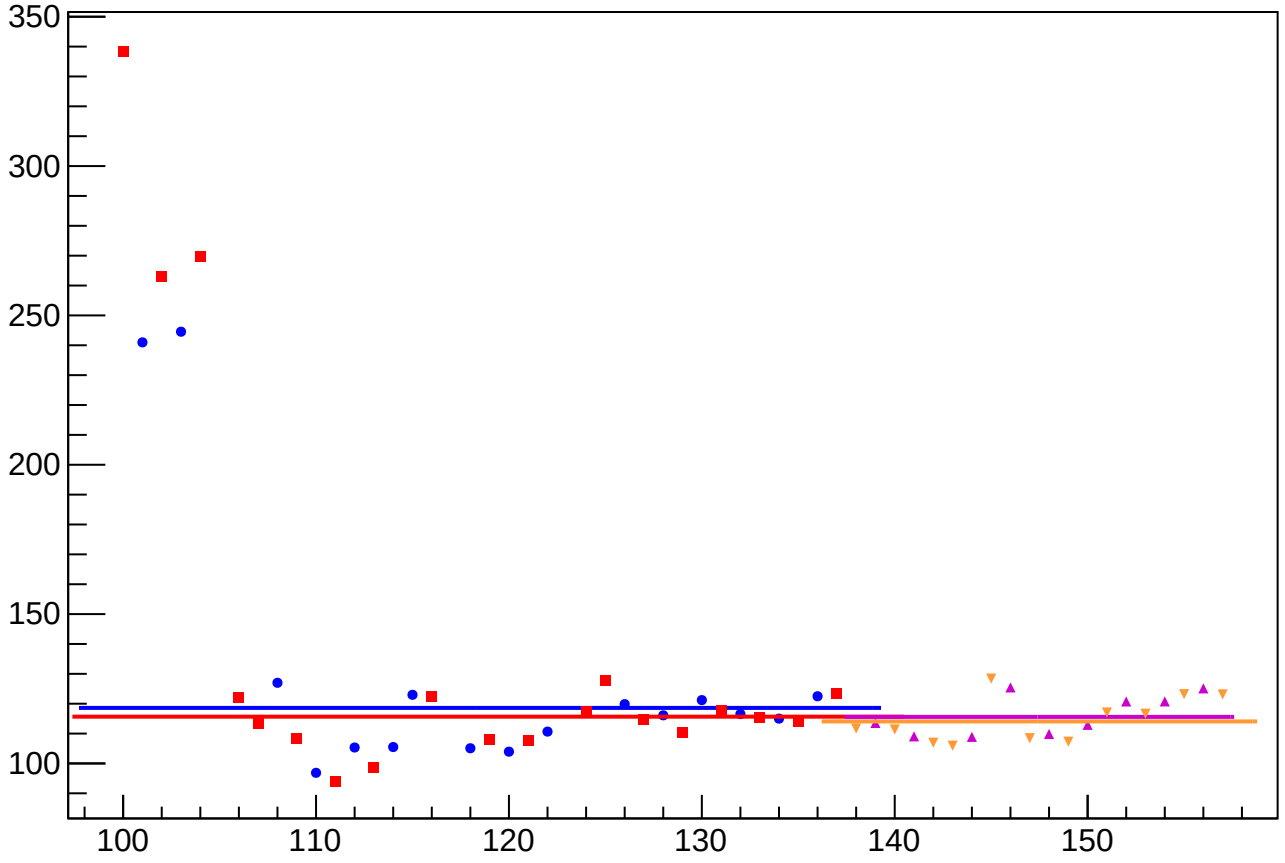
Left In: 6149.103+/-41.877 χ^2/NDF:8253.7/8

+ sign -3977.187+/-30.082 χ^2/NDF: 47238.1/26

All: -79.317+/-21.442 χ^2/NDF: 101933.7/54

- sign 3946.151+/-30.570 χ^2/NDF: 20565.9/27

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 114.064+/-0.028 χ^2/NDF:64778.0/10

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

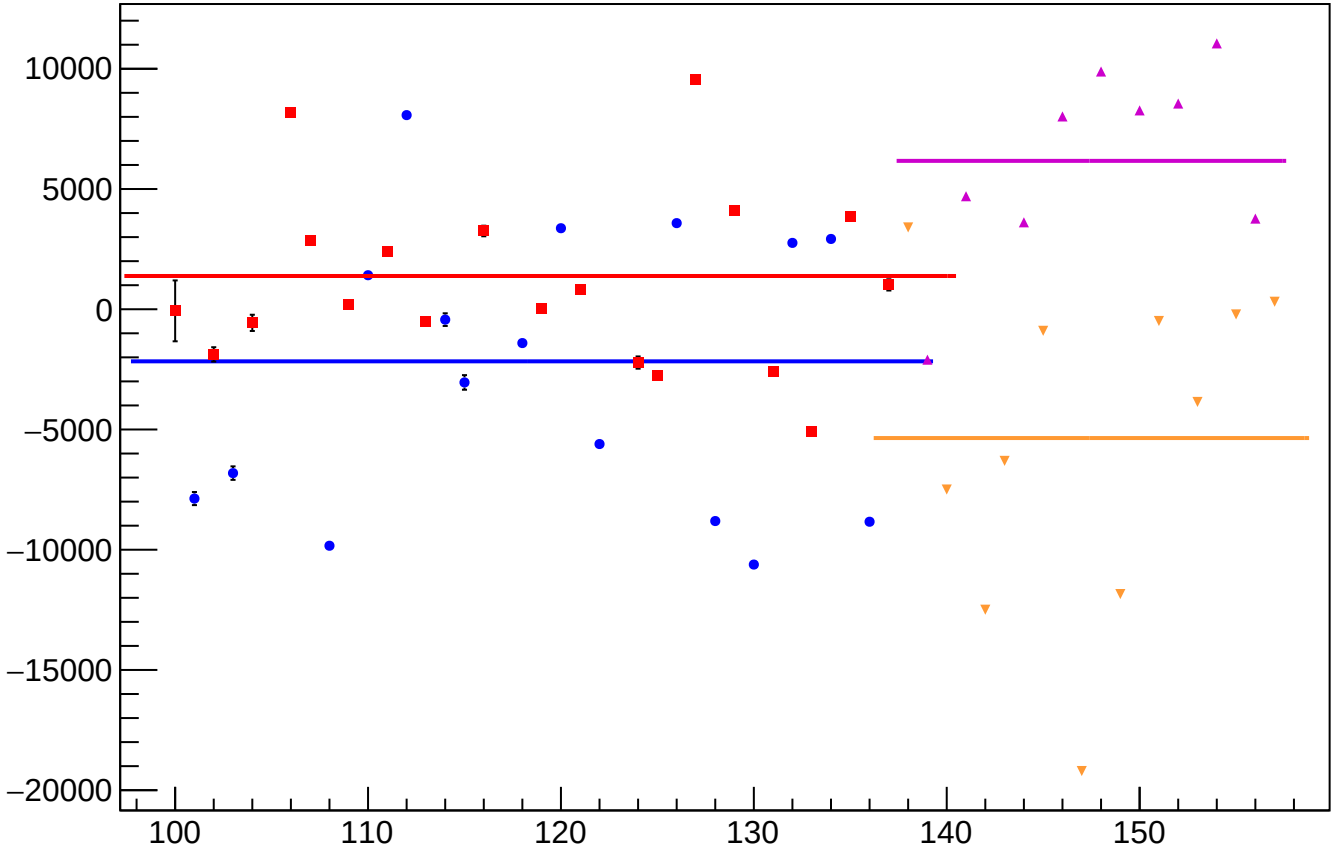
Left In: 115.585+/-0.030 χ^2/NDF:45276.8/8

+ sign 115.943+/-0.021 χ^2/NDF: 809953.5/26

All: 115.784+/-0.015 χ^2/NDF: 1719552.7/54

- sign 115.620+/-0.022 χ^2/NDF: 909486.1/27

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5355.876+/-35.526 χ^2/NDF:33535.8/10

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

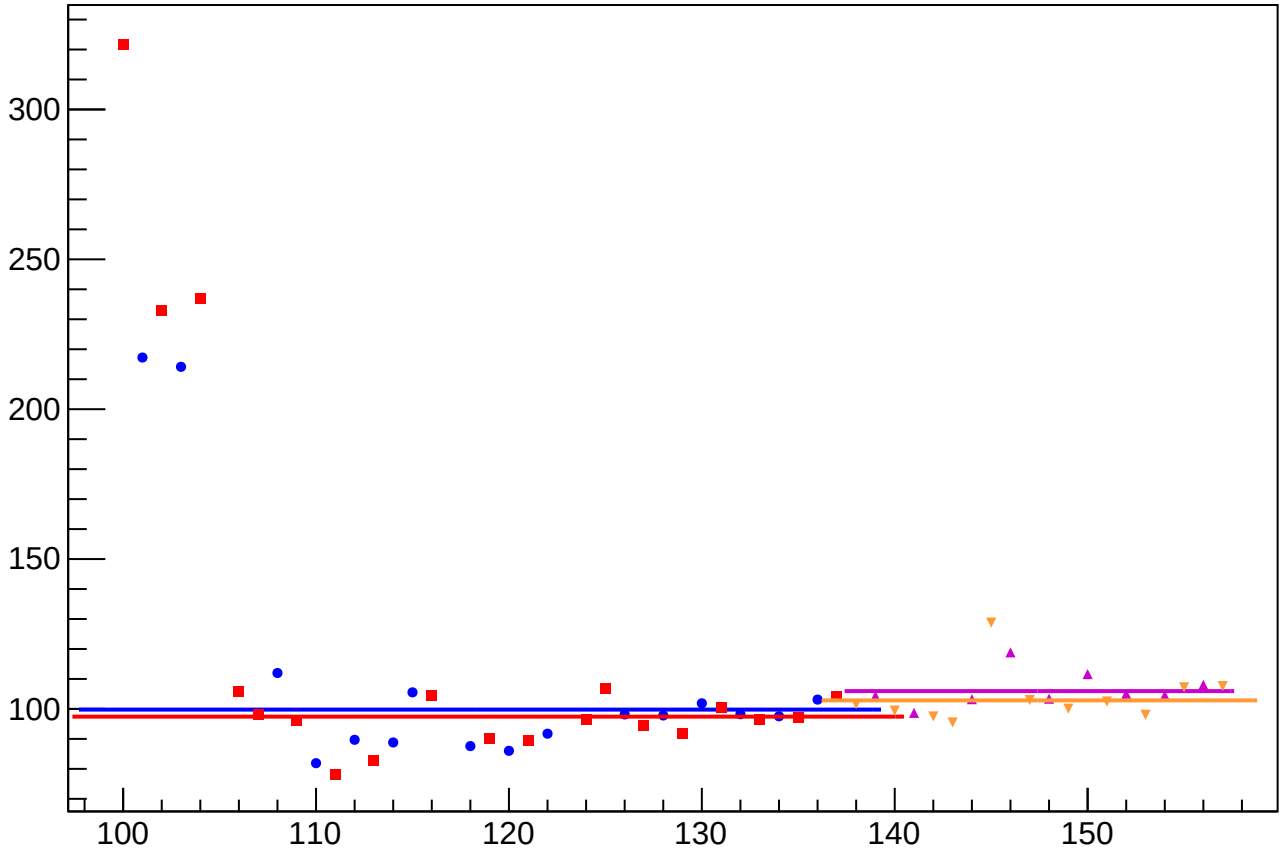
Left In: 6170.489+/-38.417 χ^2/NDF:10051.9/8

+ sign -3934.610+/-26.454 χ^2/NDF: 60002.8/26

All: -172.301+/-18.898 χ^2/NDF: 128367.5/54

- sign 3749.157+/-27.007 χ^2/NDF: 27054.8/27

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.852+/-0.025 χ^2/NDF:88713.1/10

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

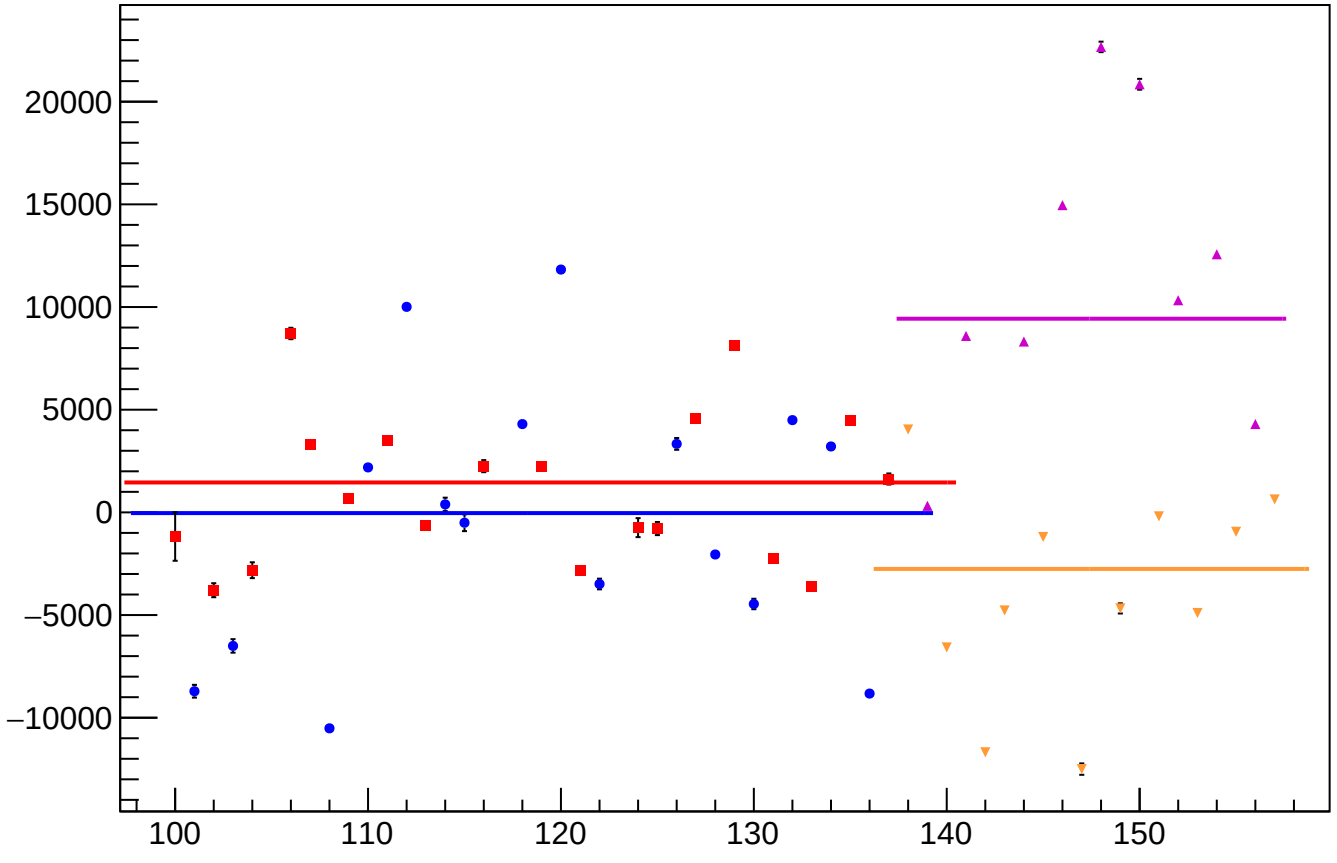
Left In: 105.948+/-0.027 χ^2/NDF:38264.1/8

+ sign 101.481+/-0.019 χ^2/NDF: 904551.9/26

All: 101.558+/-0.013 χ^2/NDF: 1918661.4/54

- sign 101.639+/-0.019 χ^2/NDF: 1014074.6/27

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2753.134+/-53.491 χ^2/NDF:6449.0/10

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

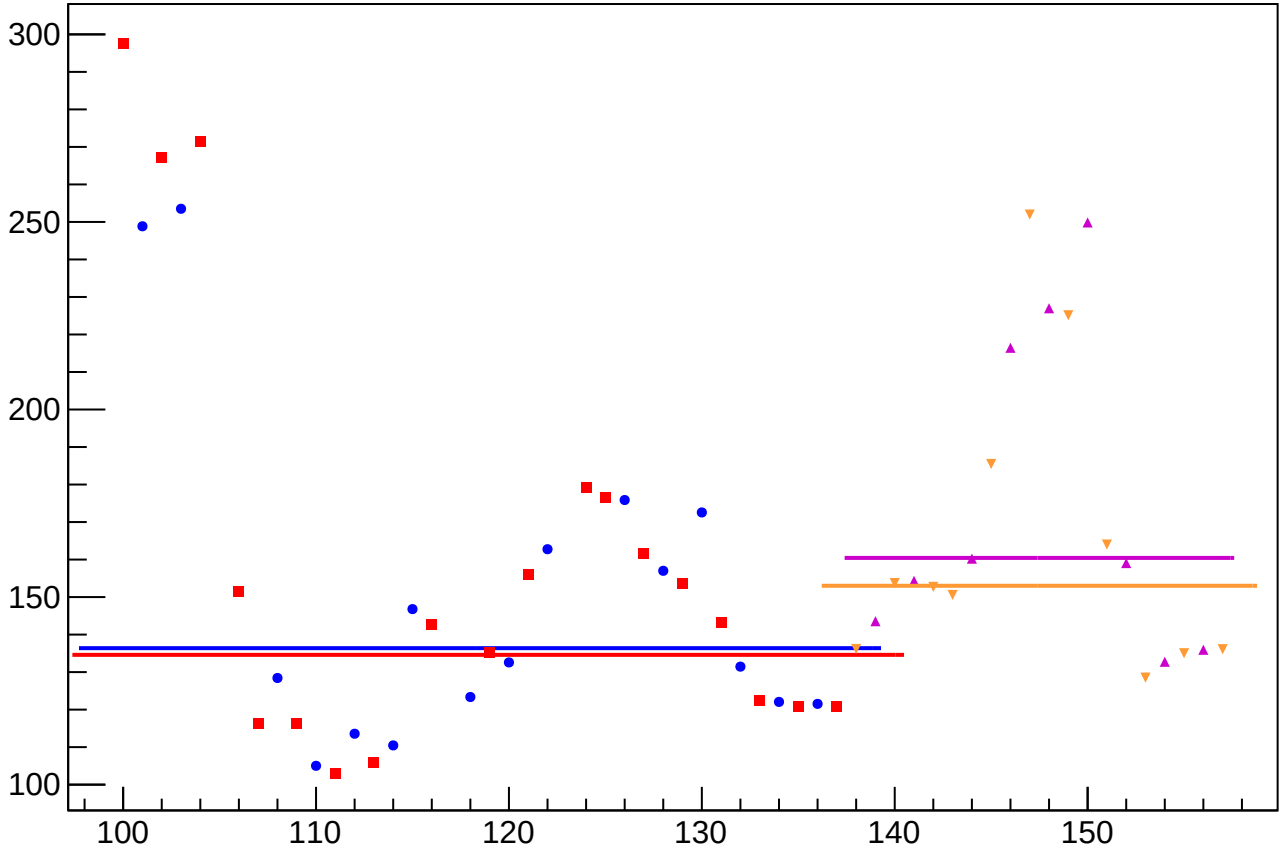
Left In: 9431.456+/-59.333 χ^2/NDF:10172.7/8

+ sign -1393.244+/-37.815 χ^2/NDF: 24543.8/26

All: 1657.802+/-27.177 χ^2/NDF: 62524.2/54

- sign 4917.003+/-39.083 χ^2/NDF: 24516.5/27

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 153.012+/-0.038 χ^2/NDF:617583.3/10

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

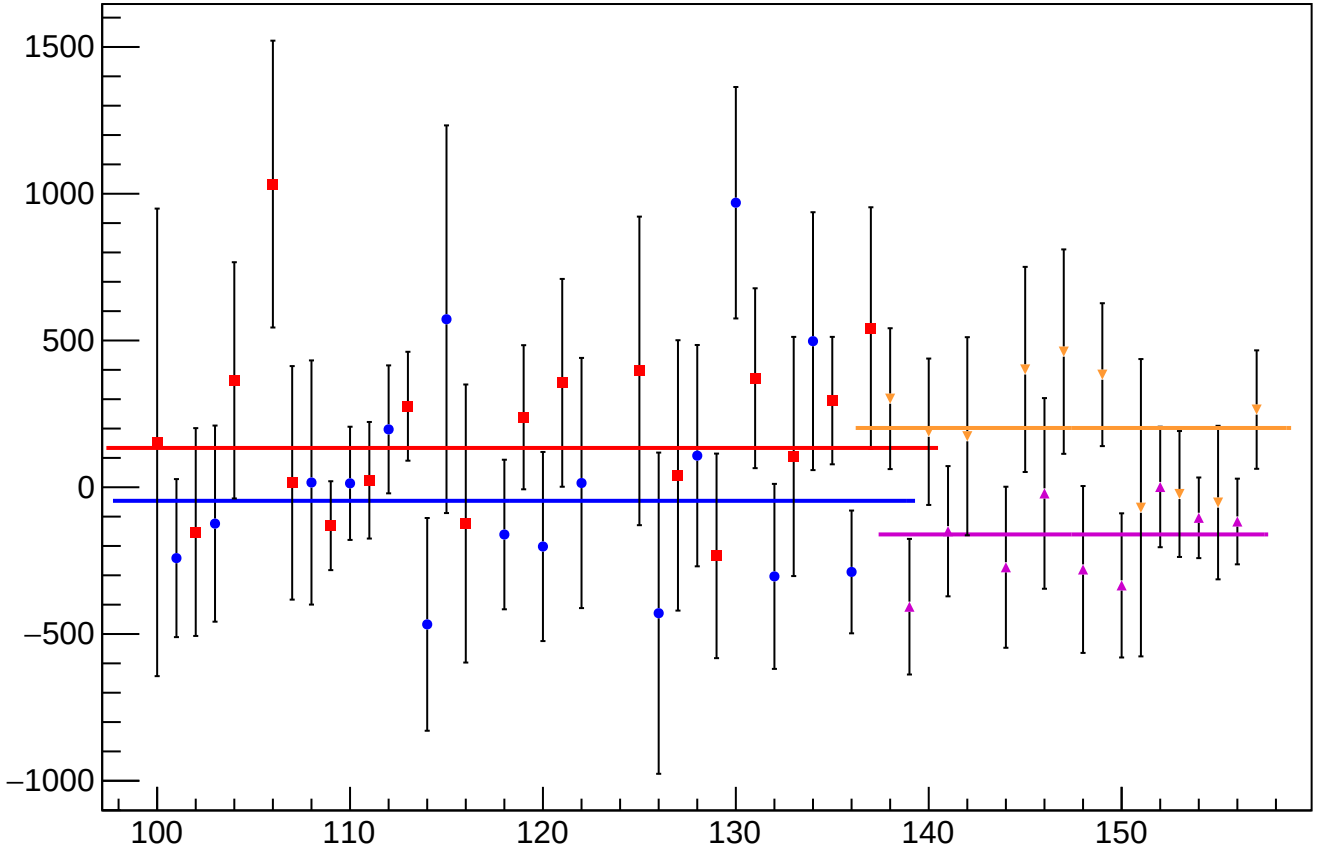
Left In: 160.442+/-0.042 χ^2/NDF:638869.0/8

+ sign 144.694+/-0.027 χ^2/NDF: 1511128.3/26

All: 145.235+/-0.019 χ^2/NDF: 3285253.4/54

- sign 145.812+/-0.028 χ^2/NDF: 1773279.1/27

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 201.983+/-84.413 χ^2/NDF:4.1/9

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

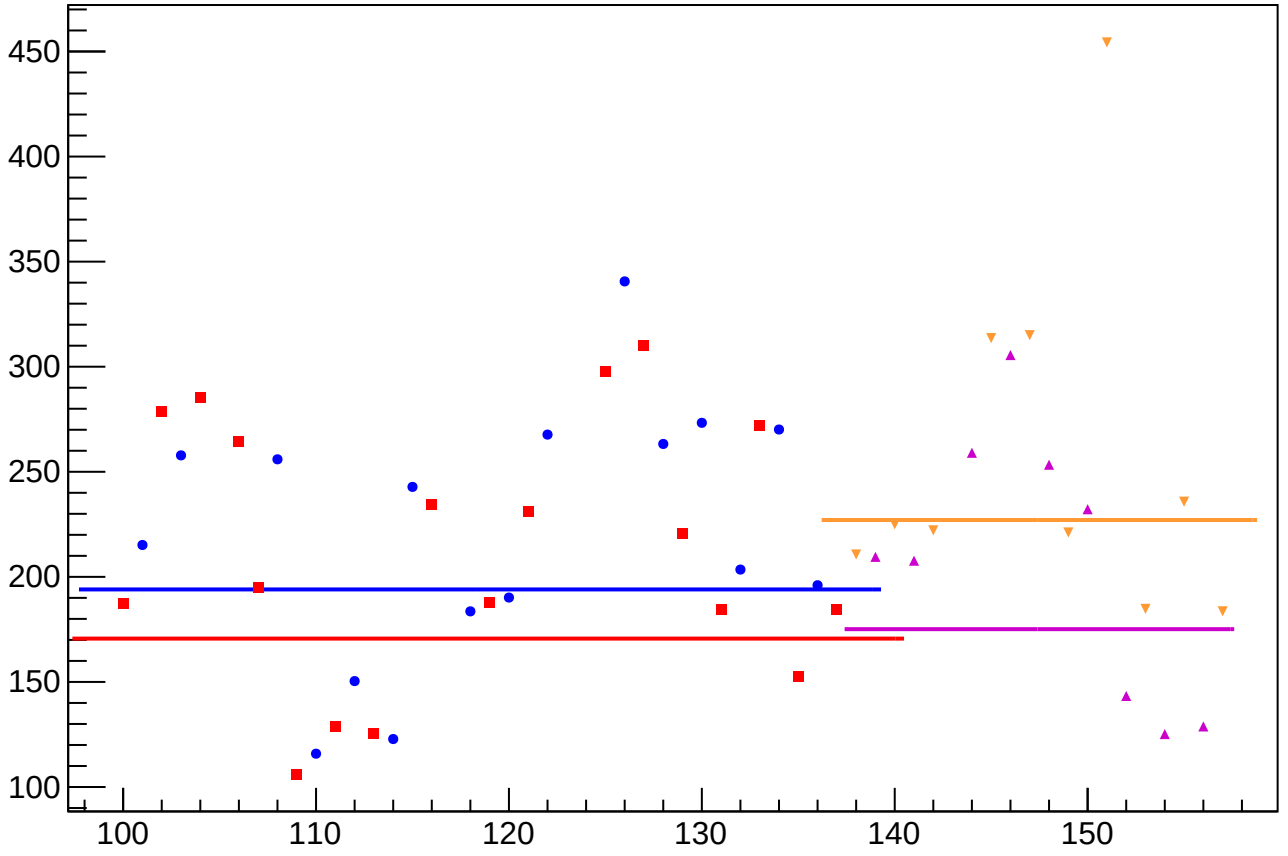
Left In: -160.723+/-68.288 χ^2/NDF:3.0/8

+ sign 65.368+/-56.597 χ^2/NDF: 24.3/25

All: 19.657+/-36.754 χ^2/NDF: 50.6/52

- sign -13.676+/-48.331 χ^2/NDF: 25.2/26

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 227.058+/-0.060 χ^2/NDF:836697.6/9

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

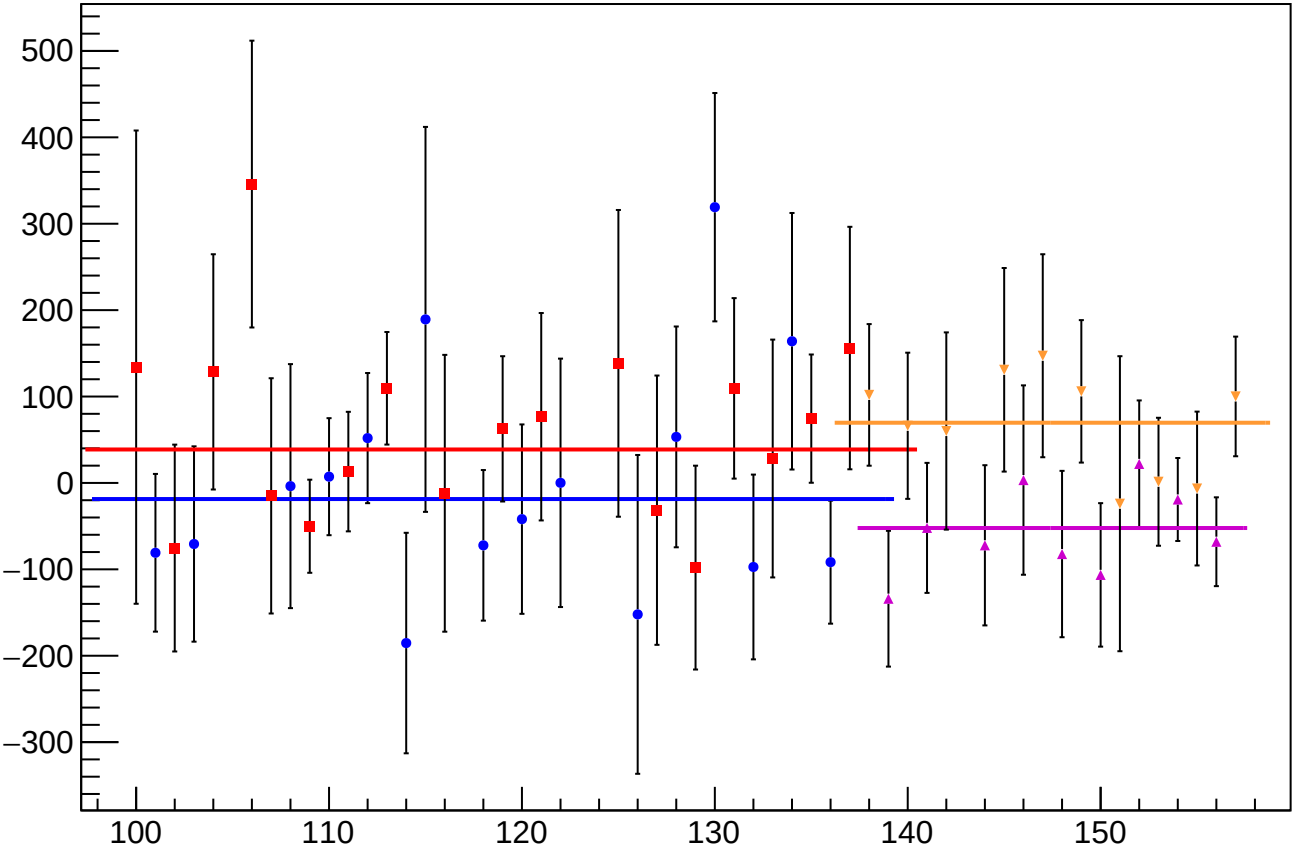
Left In: 175.114+/-0.048 χ^2/NDF:1370065.1/8

+ sign 208.870+/-0.040 χ^2/NDF: 2048964.6/25

All: 188.053+/-0.026 χ^2/NDF: 5484958.2/52

- sign 172.873+/-0.034 χ^2/NDF: 2968116.2/26

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 69.686+/-28.767 χ^2/NDF:3.1/9

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

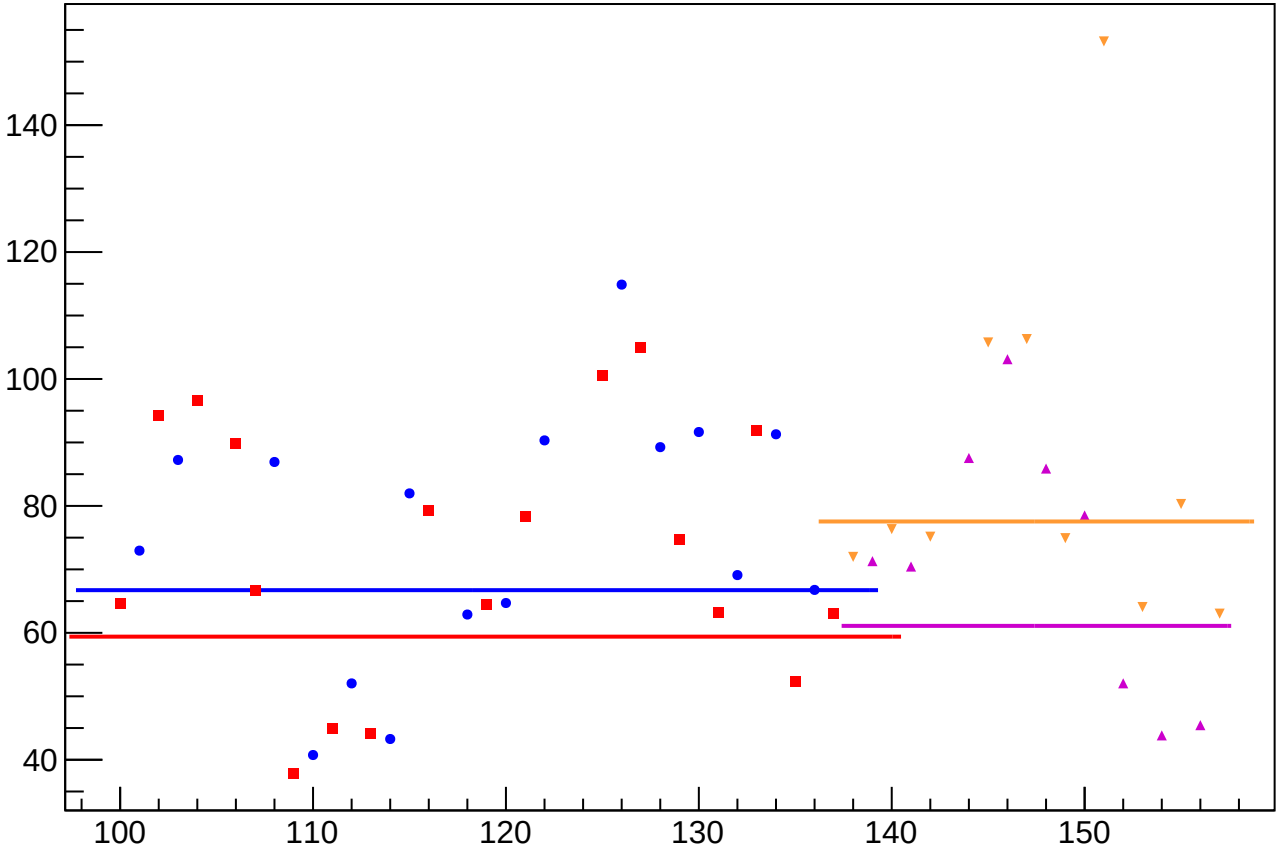
Left In: -52.182+/-23.647 χ^2/NDF:3.5/8

+ sign 21.275+/-19.339 χ^2/NDF: 23.5/25

All: 5.245+/-12.649 χ^2/NDF: 48.2/52

- sign -6.742+/-16.723 χ^2/NDF: 23.5/26

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 77.547+/-0.020 χ^2/NDF:795694.1/9

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

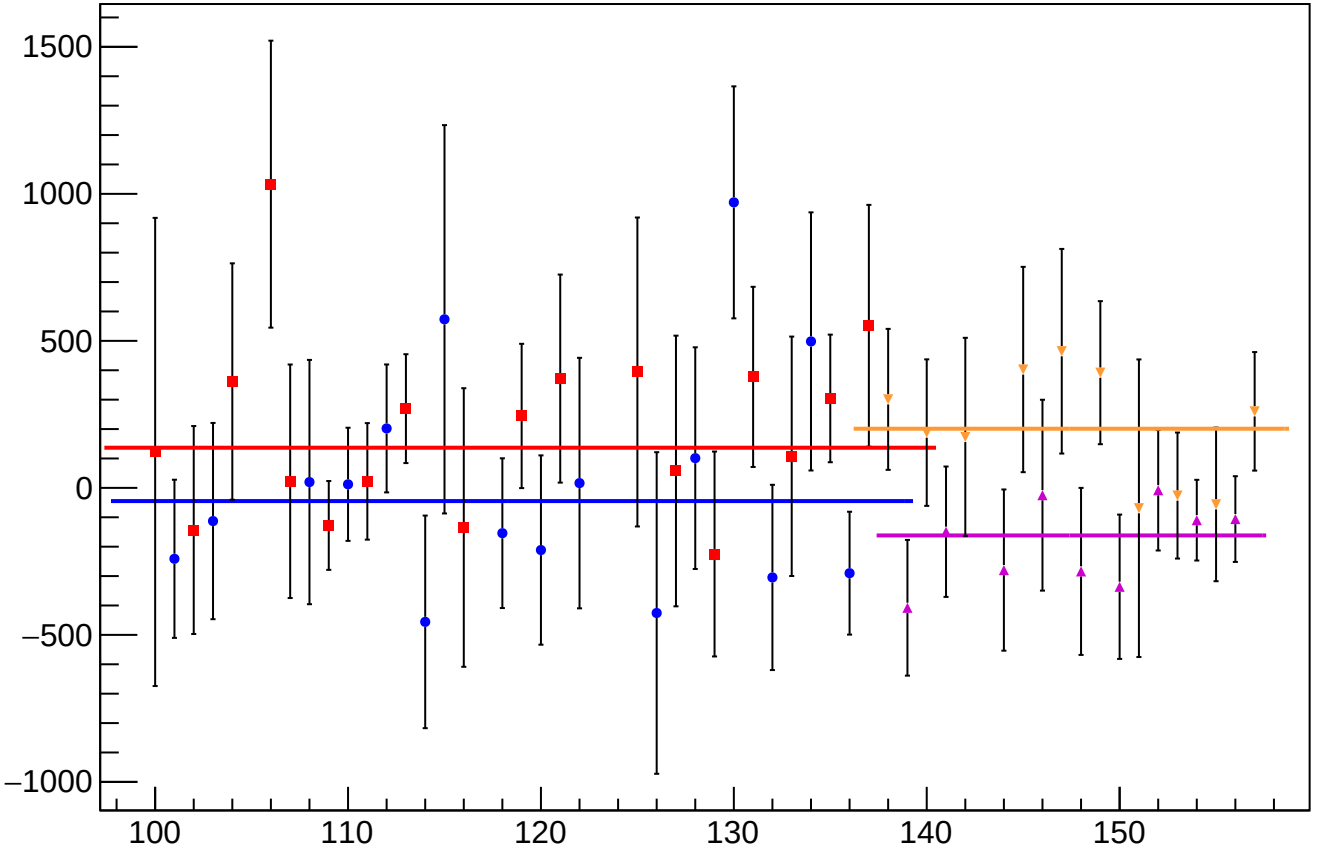
Left In: 61.098+/-0.017 χ^2/NDF:1215738.5/8

+ sign 71.615+/-0.014 χ^2/NDF: 1897877.6/25

All: 65.112+/-0.009 χ^2/NDF: 4959423.3/52

- sign 60.249+/-0.012 χ^2/NDF: 2666259.5/26

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 201.229+/-84.341 χ^2/NDF:4.2/9

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

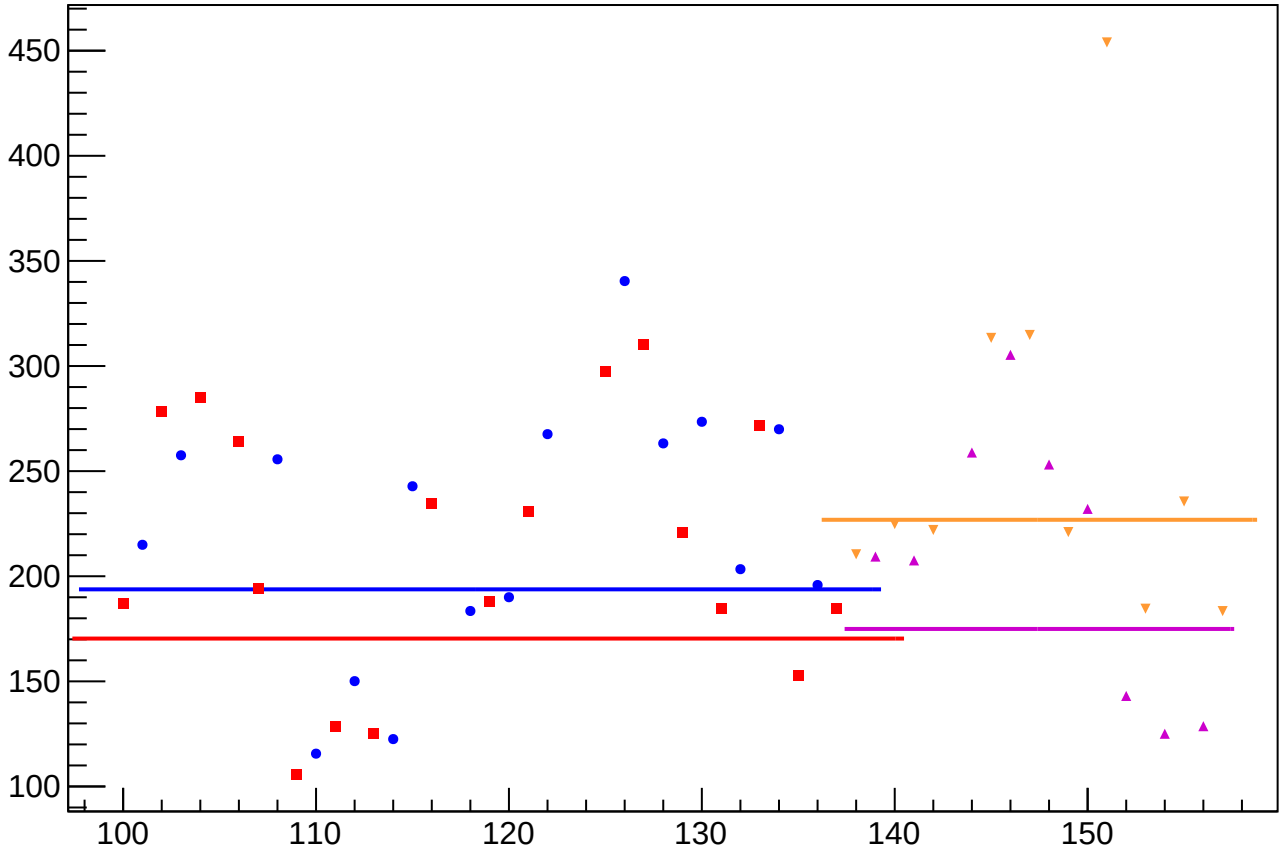
Left In: -161.795+/-68.222 χ^2/NDF:3.0/8

+ sign 65.704+/-56.540 χ^2/NDF: 24.3/25

All: 20.284+/-36.714 χ^2/NDF: 50.9/52

- sign -12.828+/-48.276 χ^2/NDF: 25.5/26

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 226.857+/-0.060 χ^2/NDF:837178.8/9

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

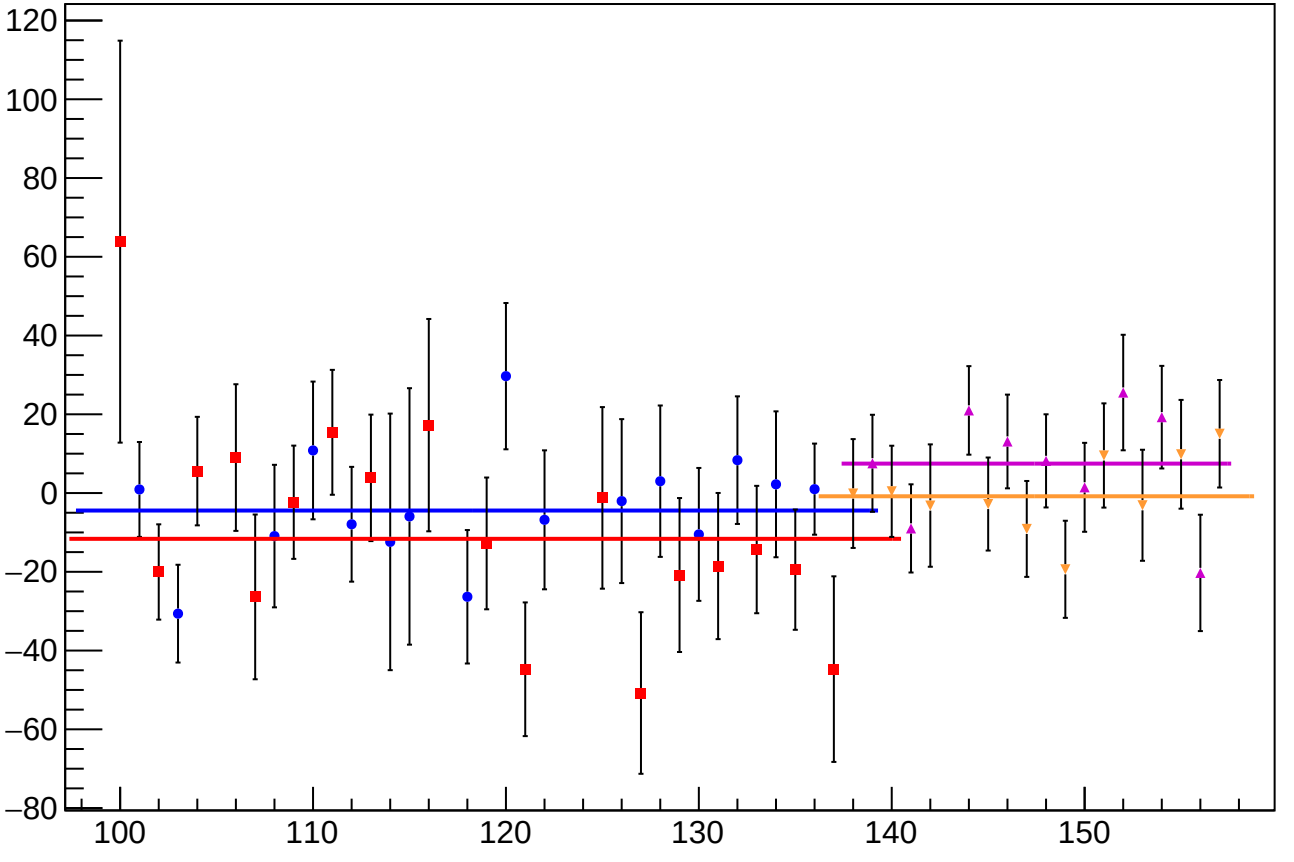
Left In: 174.931+/-0.048 χ^2/NDF:1371530.5/8

+ sign 208.638+/-0.040 χ^2/NDF: 2054771.0/25

All: 187.823+/-0.026 χ^2/NDF: 5498510.4/52

- sign 172.648+/-0.034 χ^2/NDF: 2975043.9/26

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -0.819+/-4.128 χ^2/NDF:5.4/9

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

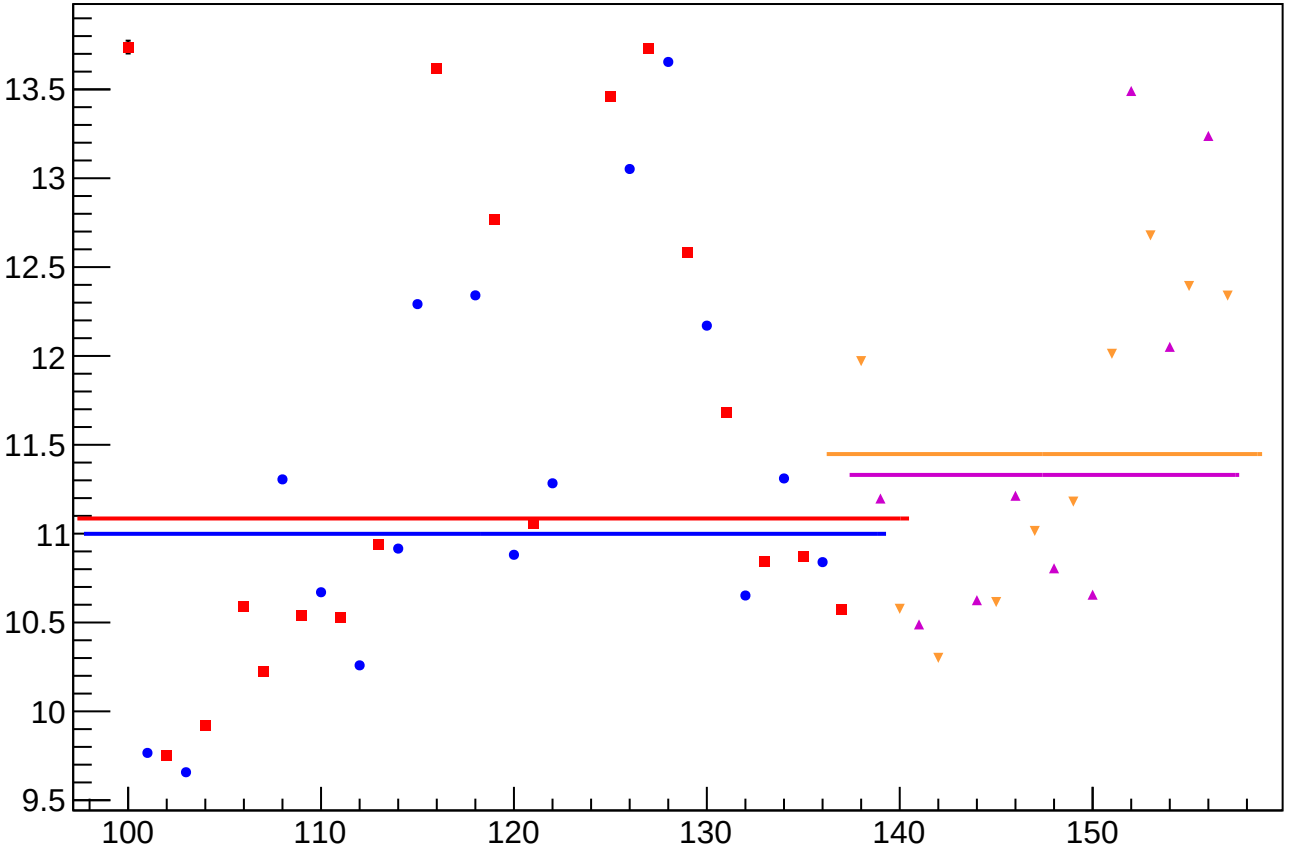
Left In: 7.475+/-4.095 χ^2/NDF:10.0/8

+ sign -2.628+/-2.920 χ^2/NDF: 17.7/25

All: -2.302+/-2.061 χ^2/NDF: 60.2/52

- sign -1.978+/-2.910 χ^2/NDF: 42.4/26

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.448+/-0.003 χ^2/NDF:75257.1/9

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

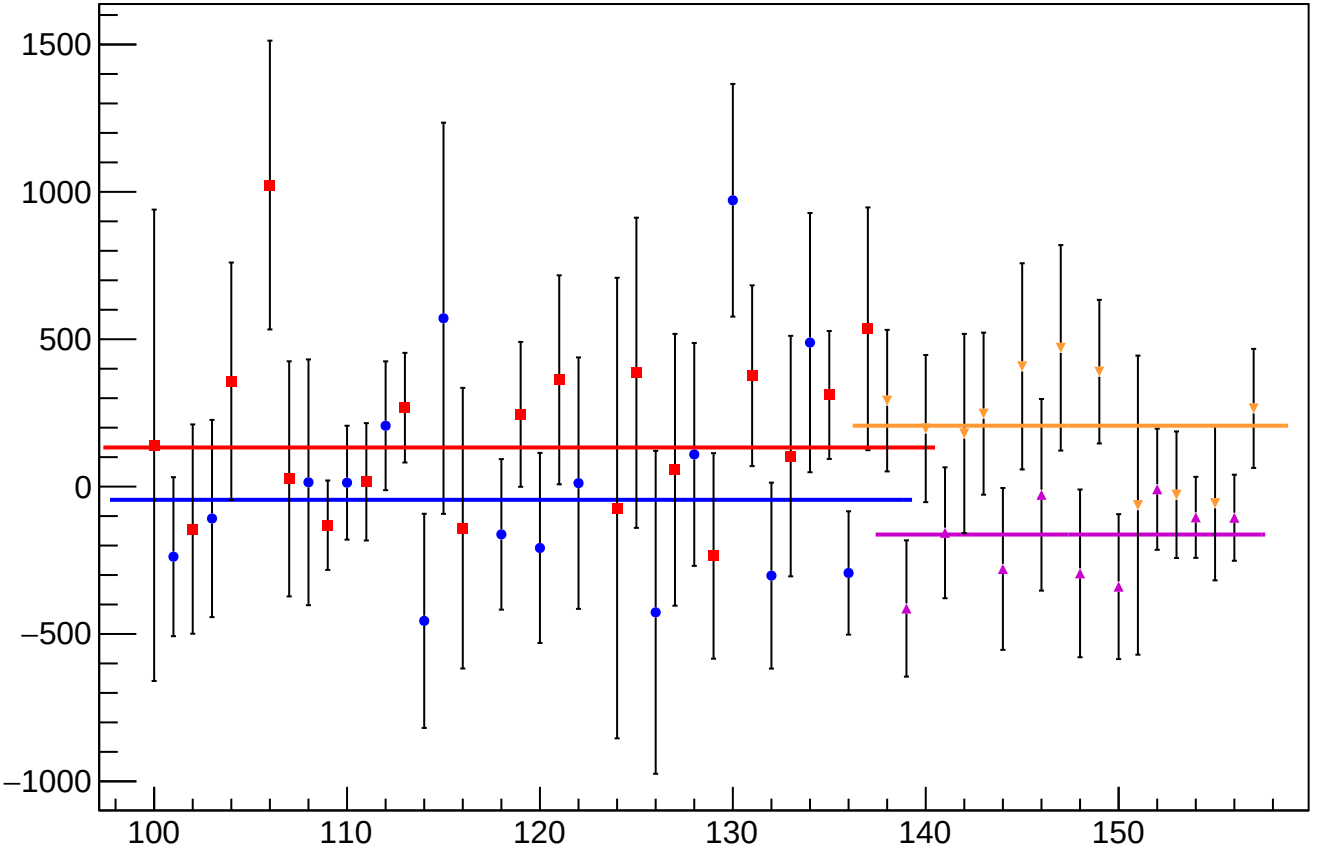
Left In: 11.331+/-0.003 χ^2/NDF:113500.1/8

+ sign 11.224+/-0.002 χ^2/NDF: 223227.9/25

All: 11.216+/-0.001 χ^2/NDF: 502507.5/52

- sign 11.209+/-0.002 χ^2/NDF: 279255.2/26

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 206.699+/-80.767 χ^2/NDF:4.2/10

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

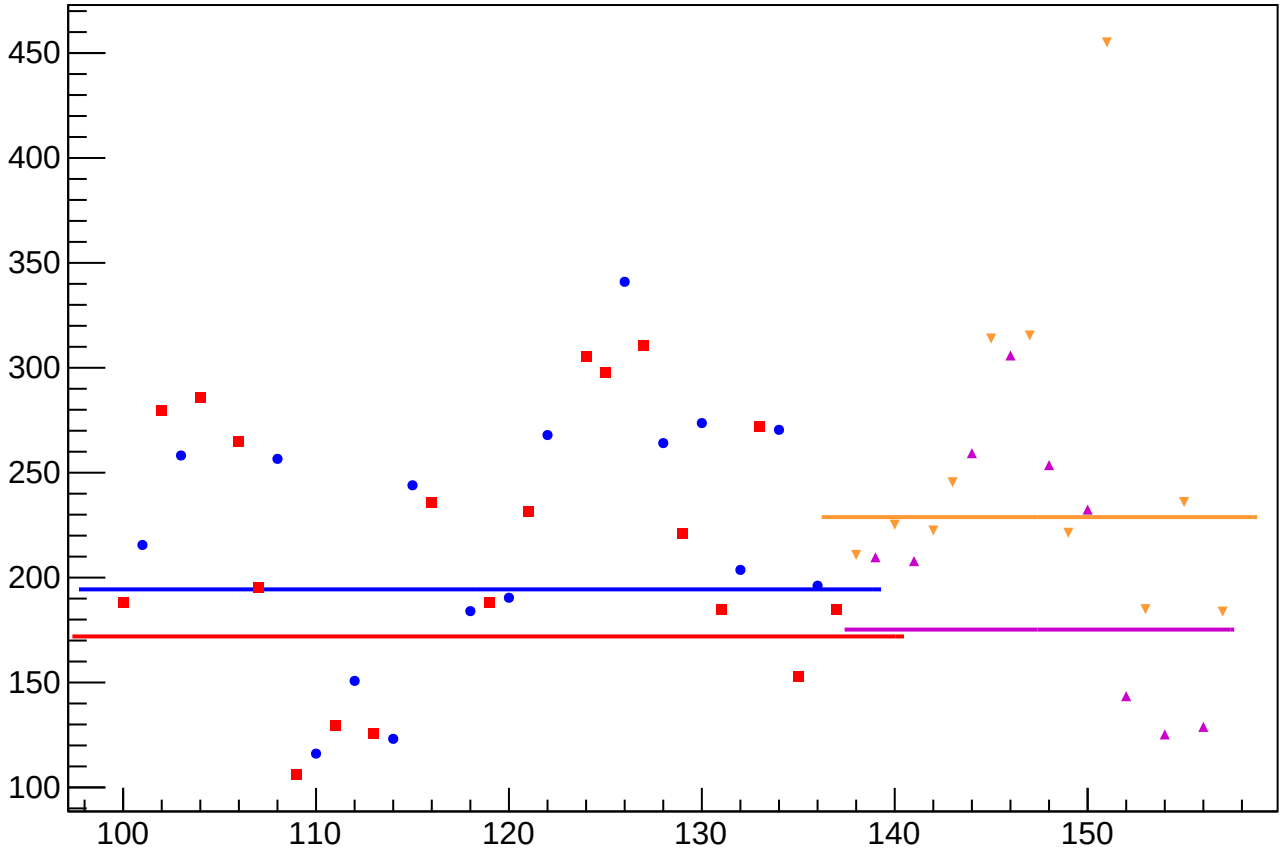
Left In: -162.618+/-68.338 χ^2/NDF:3.2/8

+ sign 74.007+/-55.512 χ^2/NDF: 24.7/26

All: 23.464+/-36.437 χ^2/NDF: 51.5/54

- sign -14.796+/-48.298 χ^2/NDF: 25.4/27

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 228.835+/-0.057 χ^2/NDF:845553.4/10

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

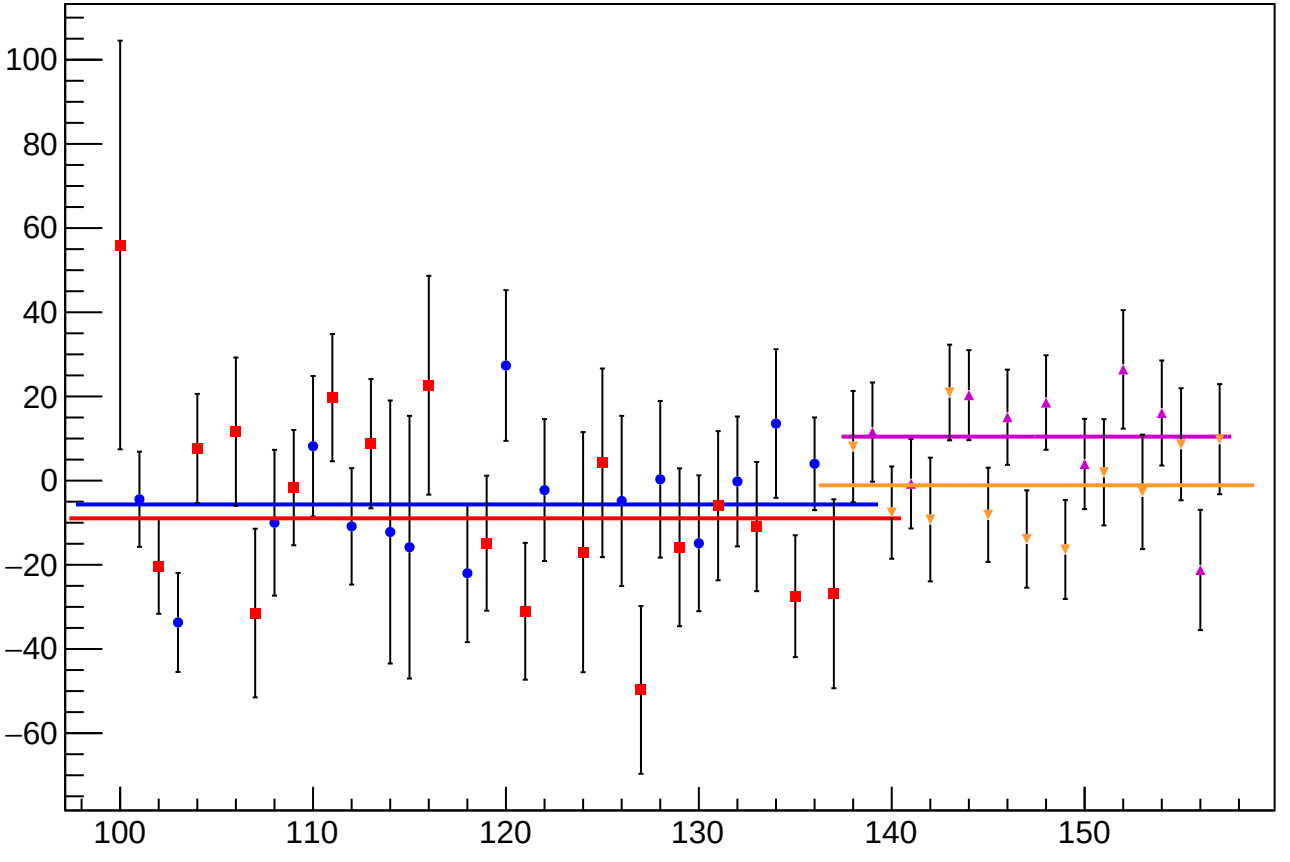
Left In: 175.224+/-0.048 χ^2/NDF:1371974.0/8

+ sign 210.659+/-0.039 χ^2/NDF: 2079553.5/26

All: 189.558+/-0.026 χ^2/NDF: 5612894.7/54

- sign 173.585+/-0.034 χ^2/NDF: 3025617.2/27

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.103+/-3.720 χ^2/NDF:9.5/10

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

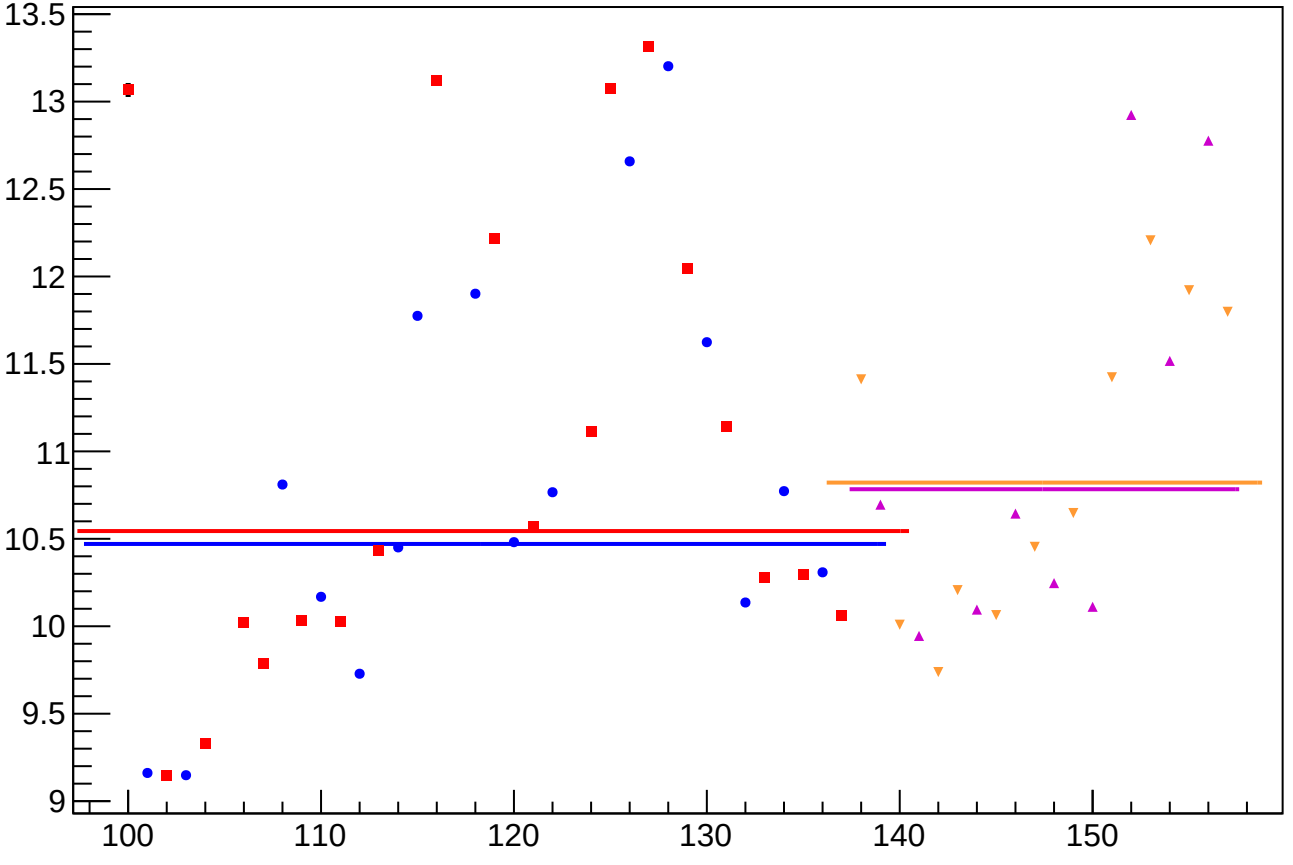
Left In: 10.452+/-3.904 χ^2/NDF:9.4/8

+ sign -3.250+/-2.705 χ^2/NDF: 23.9/26

All: -1.296+/-1.931 χ^2/NDF: 69.6/54

- sign 0.739+/-2.759 χ^2/NDF: 44.6/27

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.822+/-0.003 χ^2/NDF:93418.8/10

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

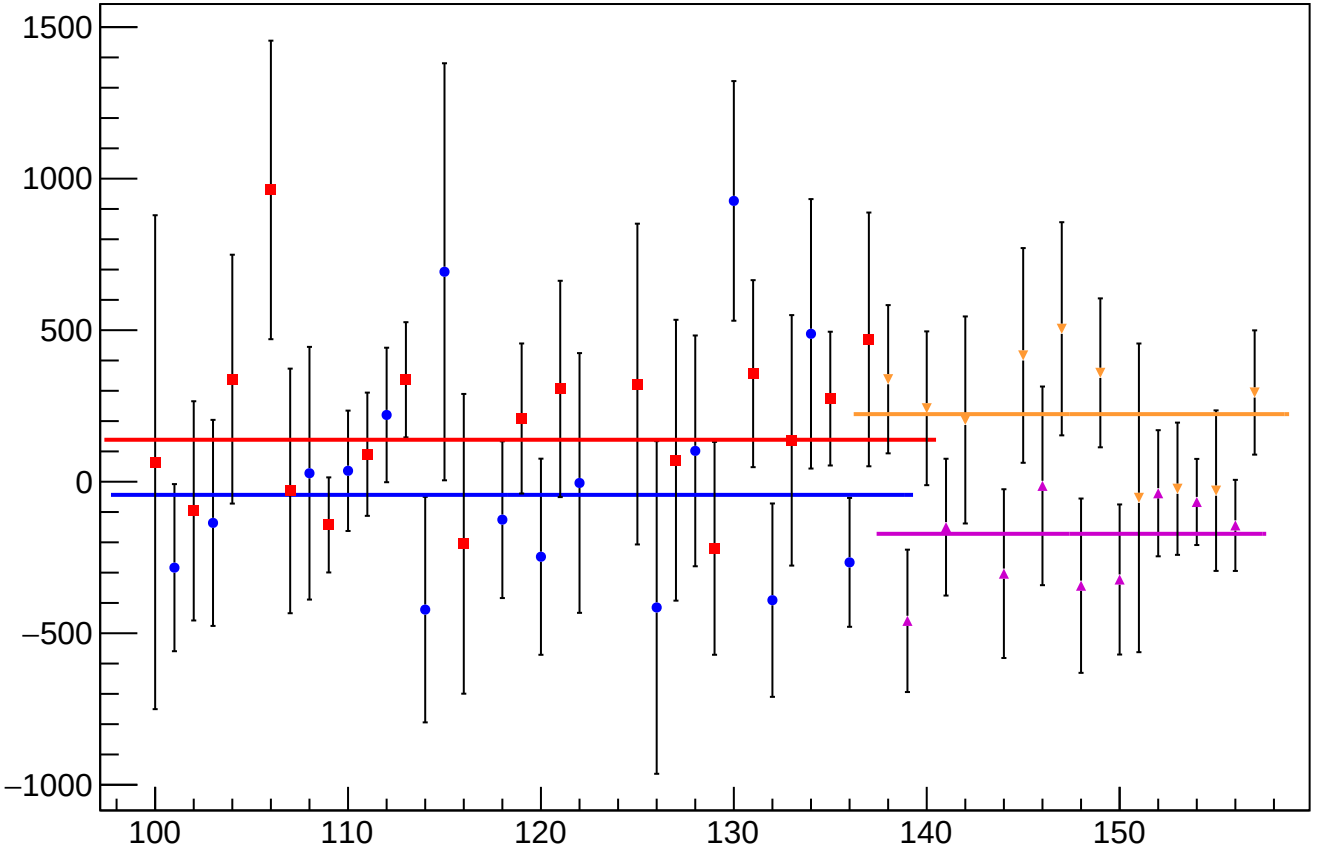
Left In: 10.784+/-0.003 χ^2/NDF:125669.1/8

+ sign 10.656+/-0.002 χ^2/NDF: 259174.8/26

All: 10.660+/-0.001 χ^2/NDF: 575387.9/54

- sign 10.664+/-0.002 χ^2/NDF: 316205.1/27

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 223.016+/-85.641 χ^2/NDF:4.1/9

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

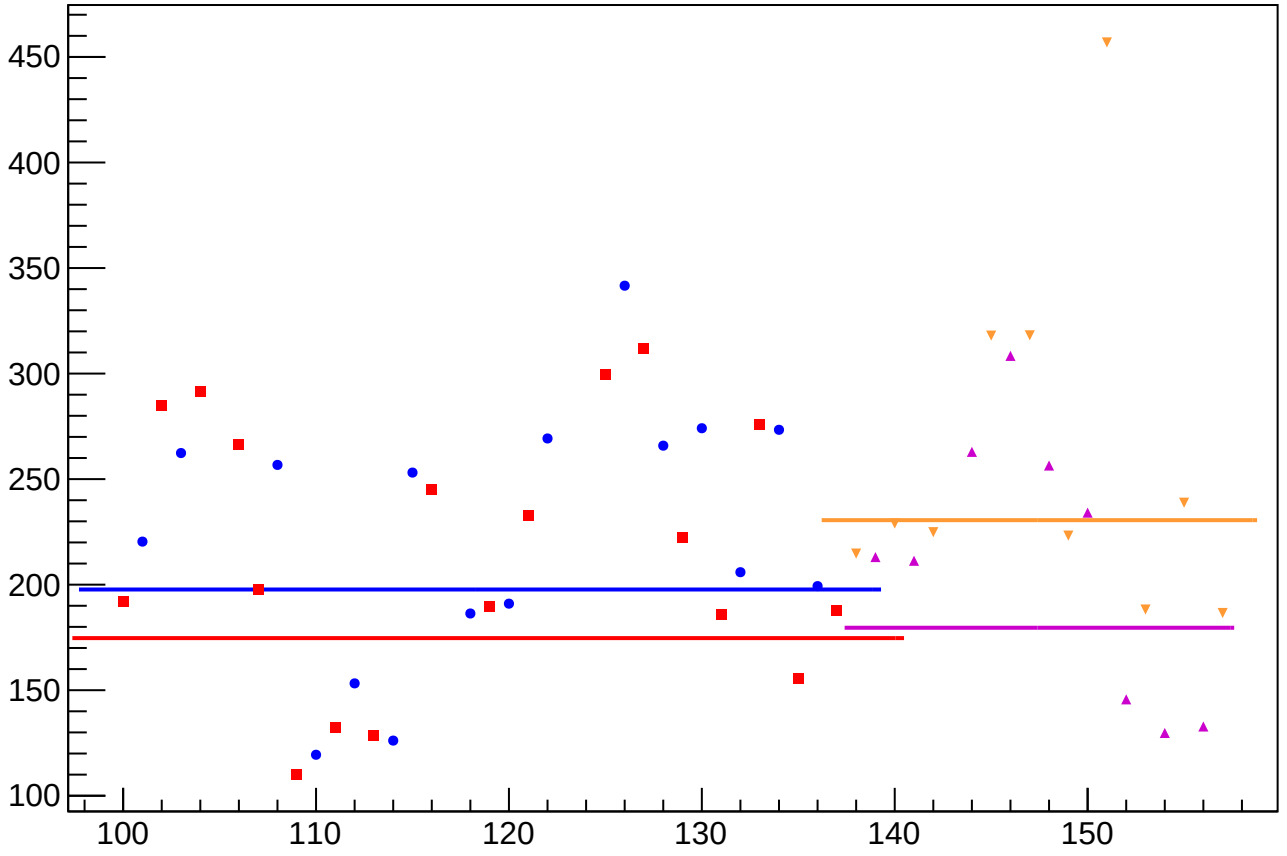
Left In: -171.886+/-69.799 χ^2/NDF:3.7/8

+ sign 76.698+/-57.498 χ^2/NDF: 24.8/25

All: 22.881+/-37.456 χ^2/NDF: 51.4/52

- sign -16.791+/-49.367 χ^2/NDF: 25.0/26

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 230.559+/-0.061 χ^2/NDF:820910.5/9

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

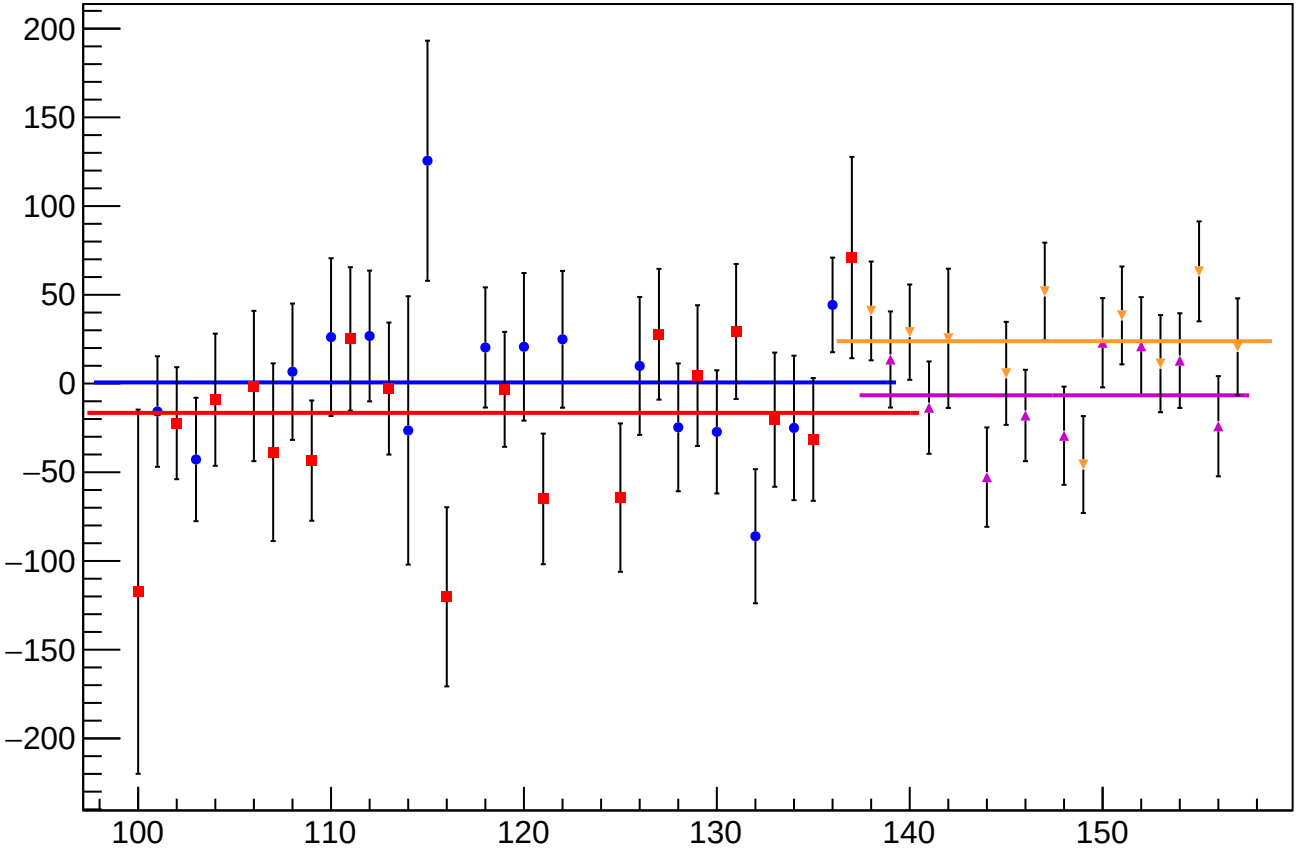
Left In: 179.588+/-0.049 χ^2/NDF:1301059.5/8

+ sign 212.515+/-0.041 χ^2/NDF: 1982873.5/25

All: 192.149+/-0.026 χ^2/NDF: 5259551.8/52

- sign 177.135+/-0.035 χ^2/NDF: 2840754.9/26

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 23.856+/-8.970 χ^2/NDF:10.8/9

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

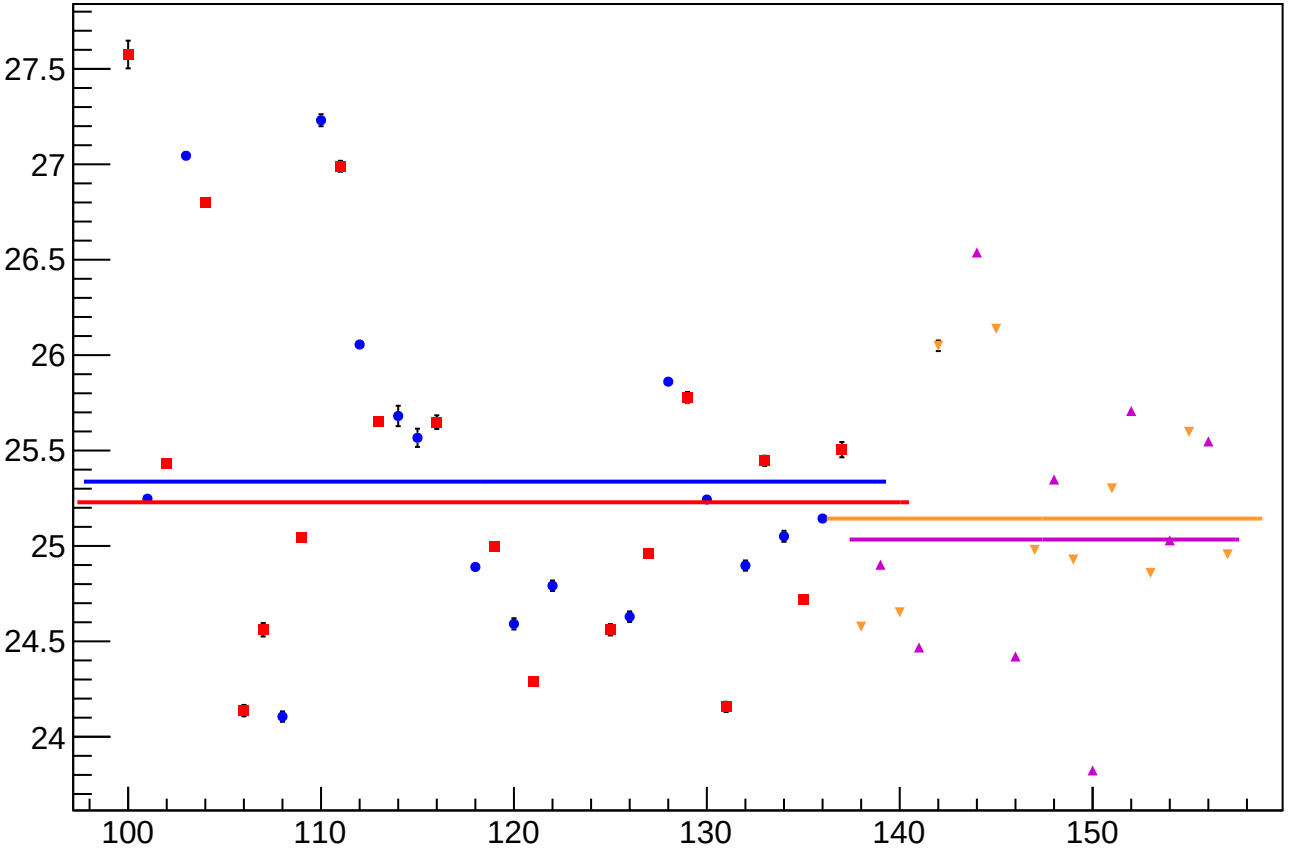
Left In: -6.630+/-8.954 χ^2/NDF:7.5/8

+ sign 12.807+/-6.497 χ^2/NDF: 30.7/25

All: 0.626+/-4.578 χ^2/NDF: 62.2/52

- sign -11.391+/-6.453 χ^2/NDF: 24.5/26

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.143+/-0.006 χ^2/NDF:6001.6/9

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

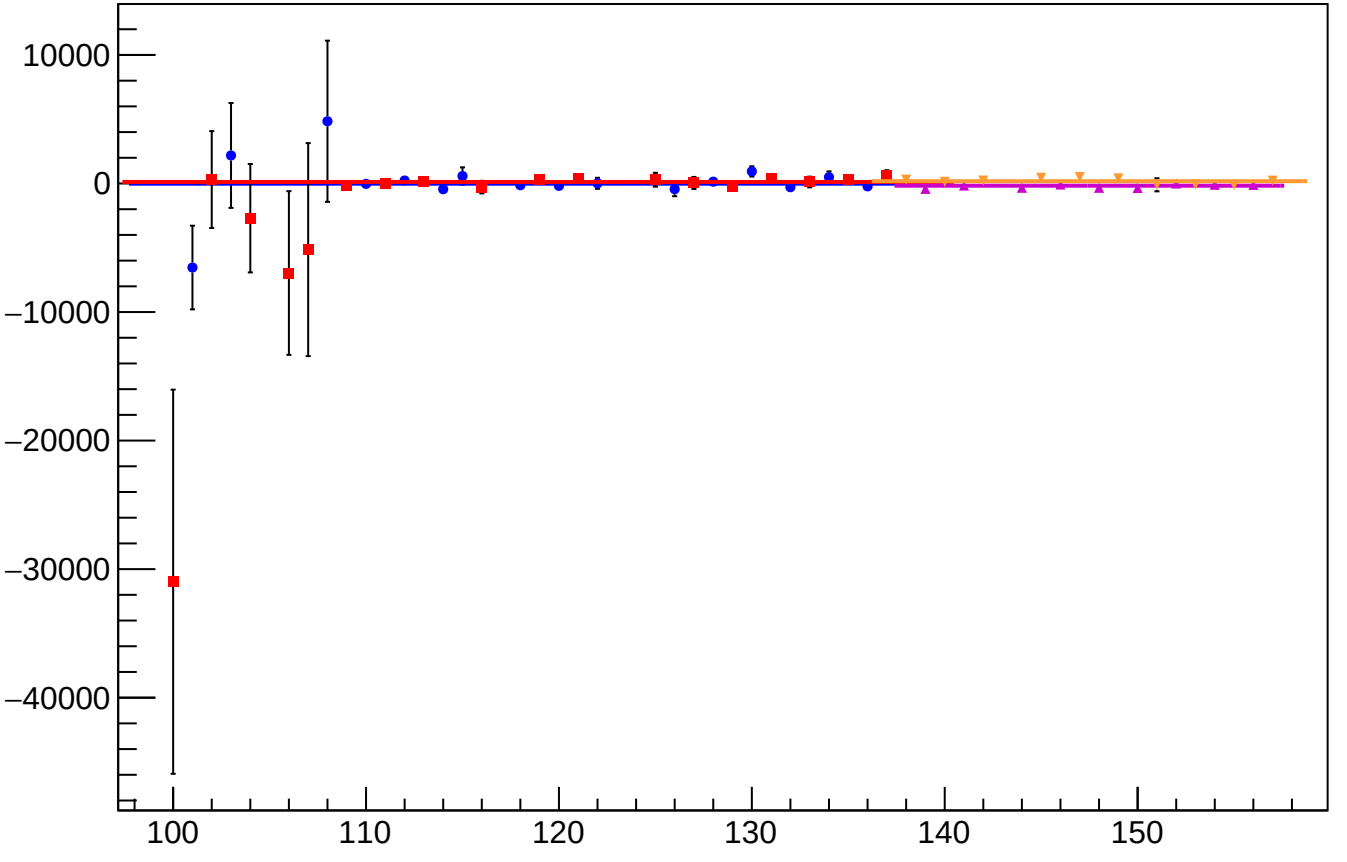
Left In: 25.034+/-0.006 χ^2/NDF:14626.3/8

+ sign 25.235+/-0.005 χ^2/NDF: 20759.8/25

All: 25.181+/-0.003 χ^2/NDF: 51297.6/52

- sign 25.127+/-0.005 χ^2/NDF: 30259.4/26

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 179.480+/-87.191 χ^2/NDF:5.3/9

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

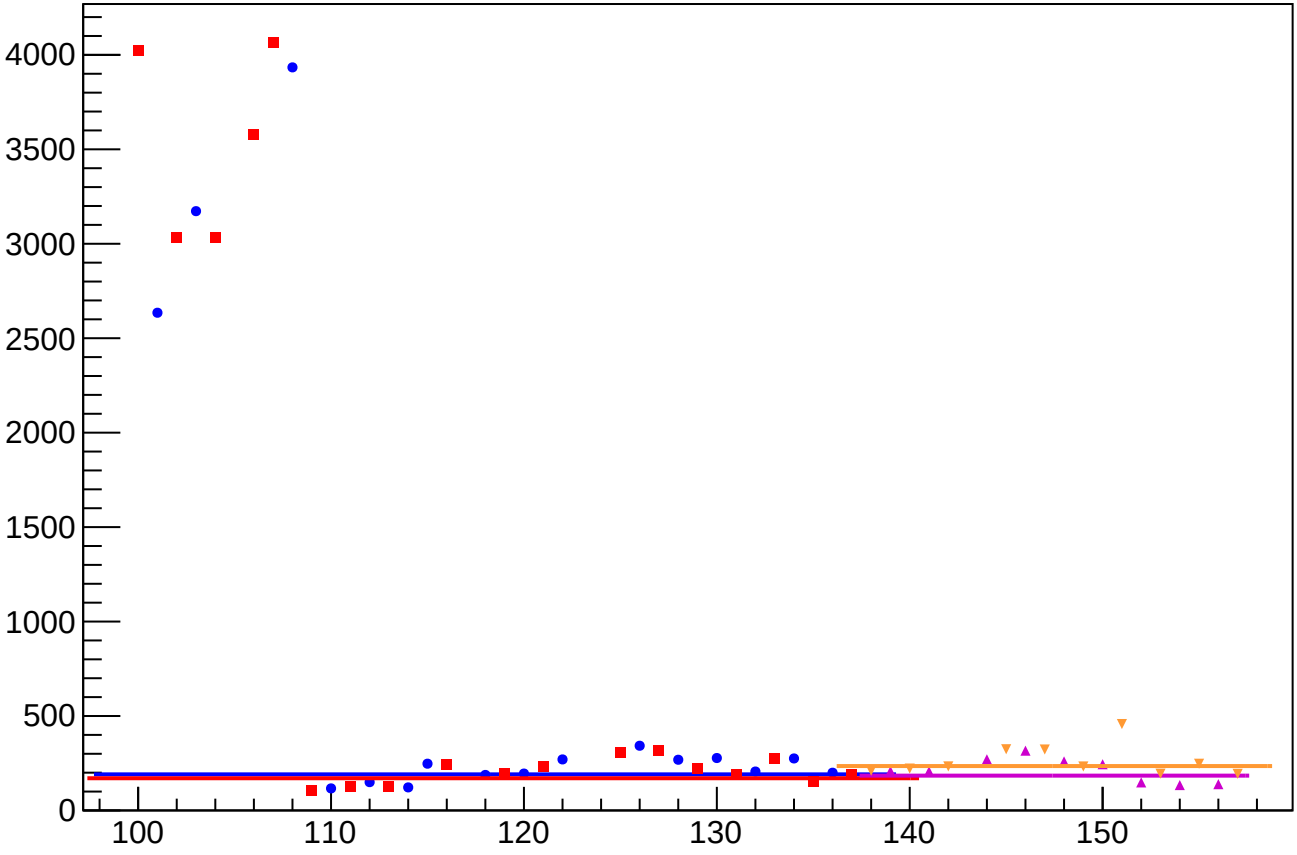
Left In: -170.576+/-71.419 χ^2/NDF:3.4/8

+ sign 80.089+/-60.663 χ^2/NDF: 26.1/25

All: 12.546+/-39.805 χ^2/NDF: 53.6/52

- sign -38.525+/-52.750 χ^2/NDF: 25.3/26

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 235.024+/-0.062 χ^2/NDF:795100.2/9

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

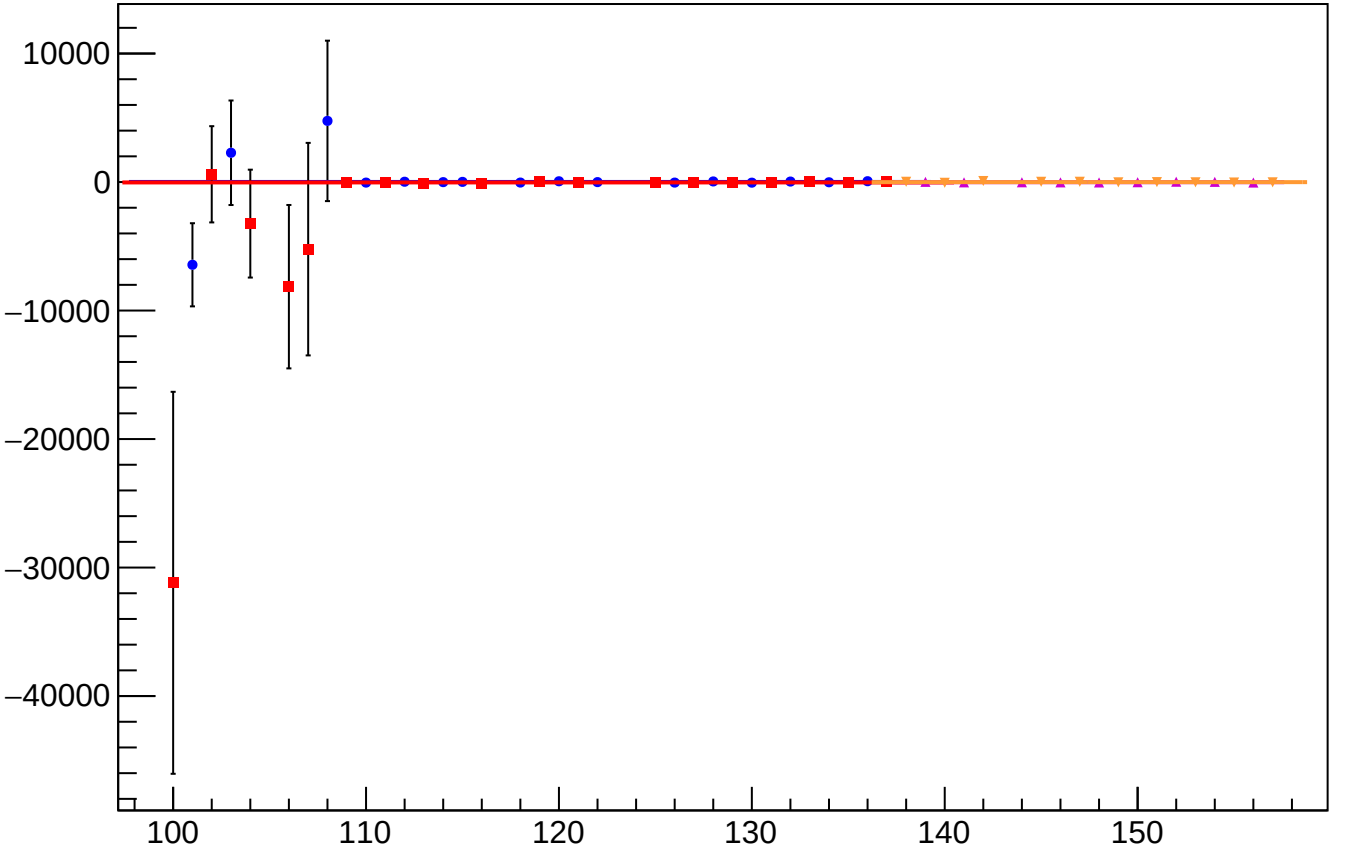
Left In: 184.333+/-0.051 χ^2/NDF:1229679.0/8

+ sign 212.346+/-0.043 χ^2/NDF: 4891281.8/25

All: 192.813+/-0.028 χ^2/NDF: 10774063.0/52

- sign 178.044+/-0.037 χ^2/NDF: 5518631.7/26

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.579+/-10.618 χ^2/NDF:9.7/9

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

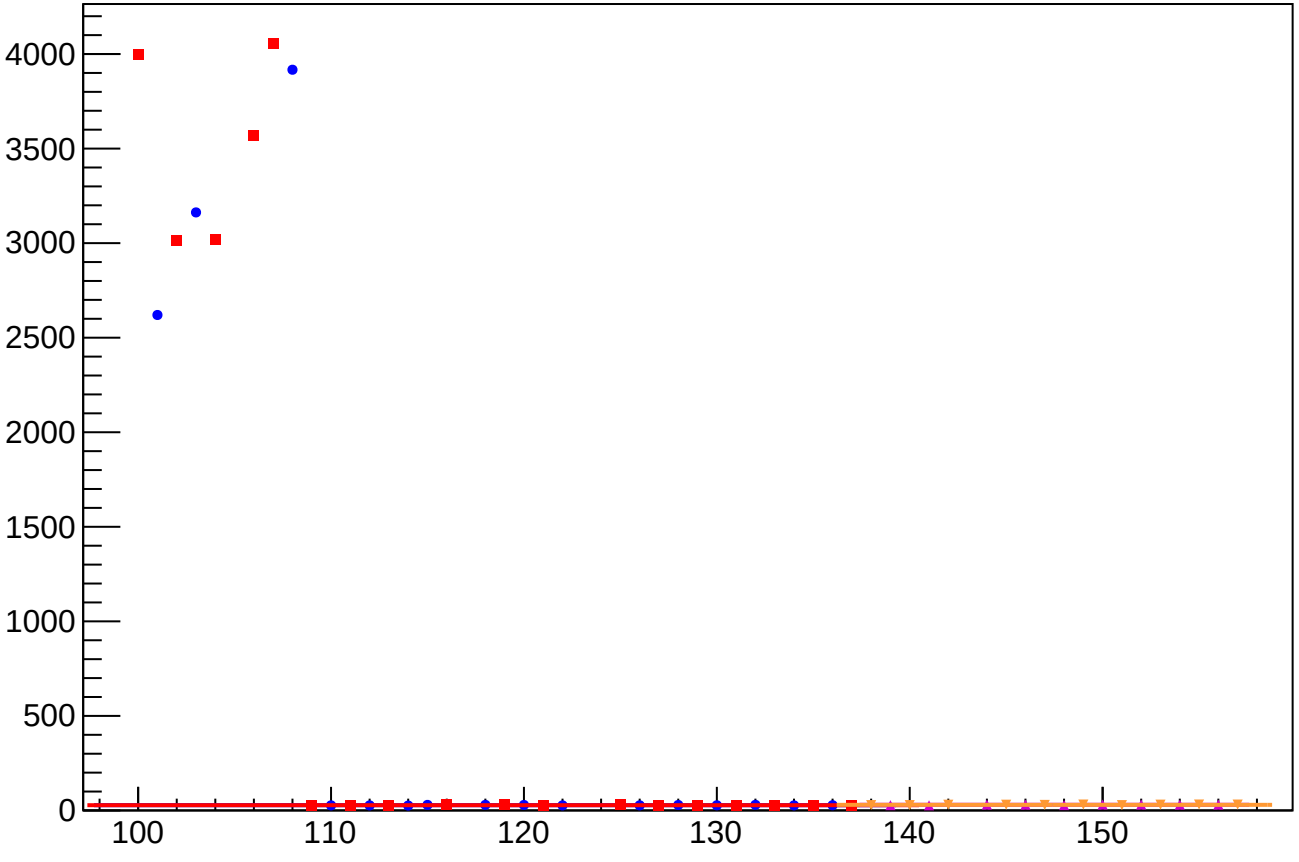
Left In: -10.442+/-10.744 χ^2/NDF:4.0/8

+ sign -1.263+/-7.882 χ^2/NDF: 28.8/25

All: -10.166+/-5.625 χ^2/NDF: 56.9/52

- sign -19.404+/-8.029 χ^2/NDF: 25.4/26

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.711+/-0.008 χ^2/NDF:28118.8/9

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

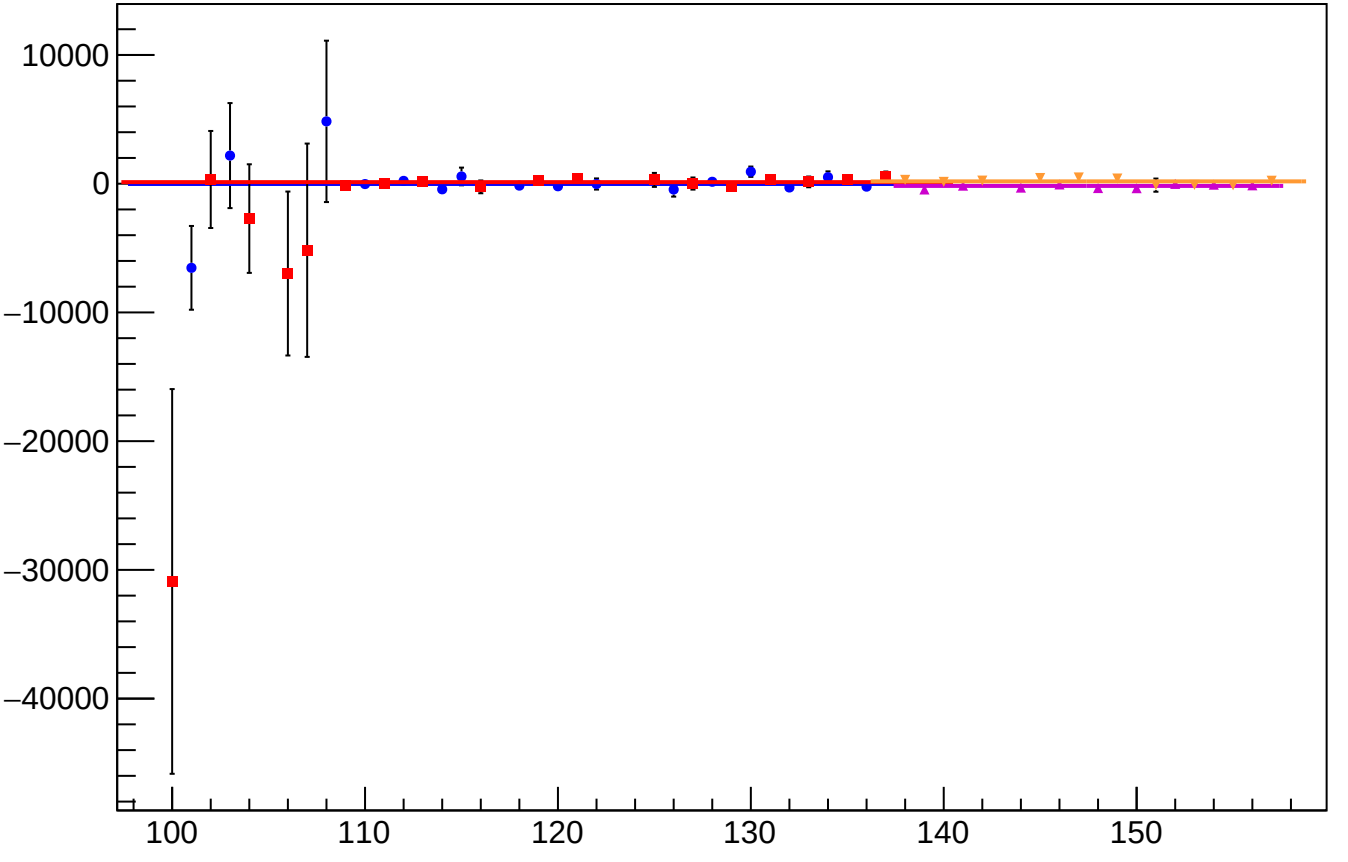
Left In: 29.961+/-0.008 χ^2/NDF:45657.8/8

+ sign 28.864+/-0.006 χ^2/NDF: 3322348.3/25

All: 28.930+/-0.004 χ^2/NDF: 6963129.2/52

- sign 28.997+/-0.006 χ^2/NDF: 3640501.4/26

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 181.203+/-87.761 χ^2/NDF:5.3/9

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

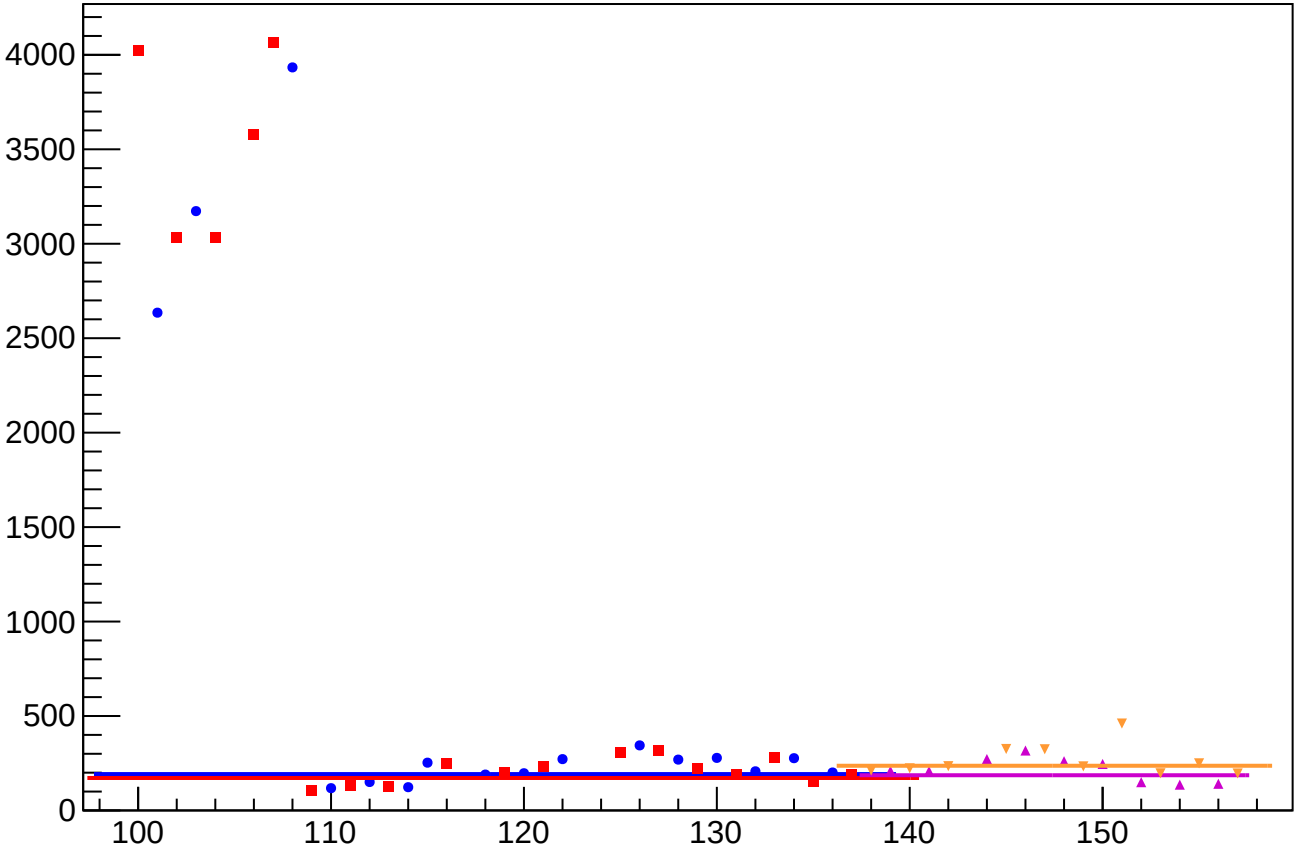
Left In: -172.046+/-72.120 χ^2/NDF:3.6/8

+ sign 77.707+/-61.080 χ^2/NDF: 26.2/25

All: 11.758+/-40.123 χ^2/NDF: 52.6/52

- sign -38.301+/-53.215 χ^2/NDF: 24.4/26

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 236.648+/-0.062 χ^2/NDF:786769.2/9

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

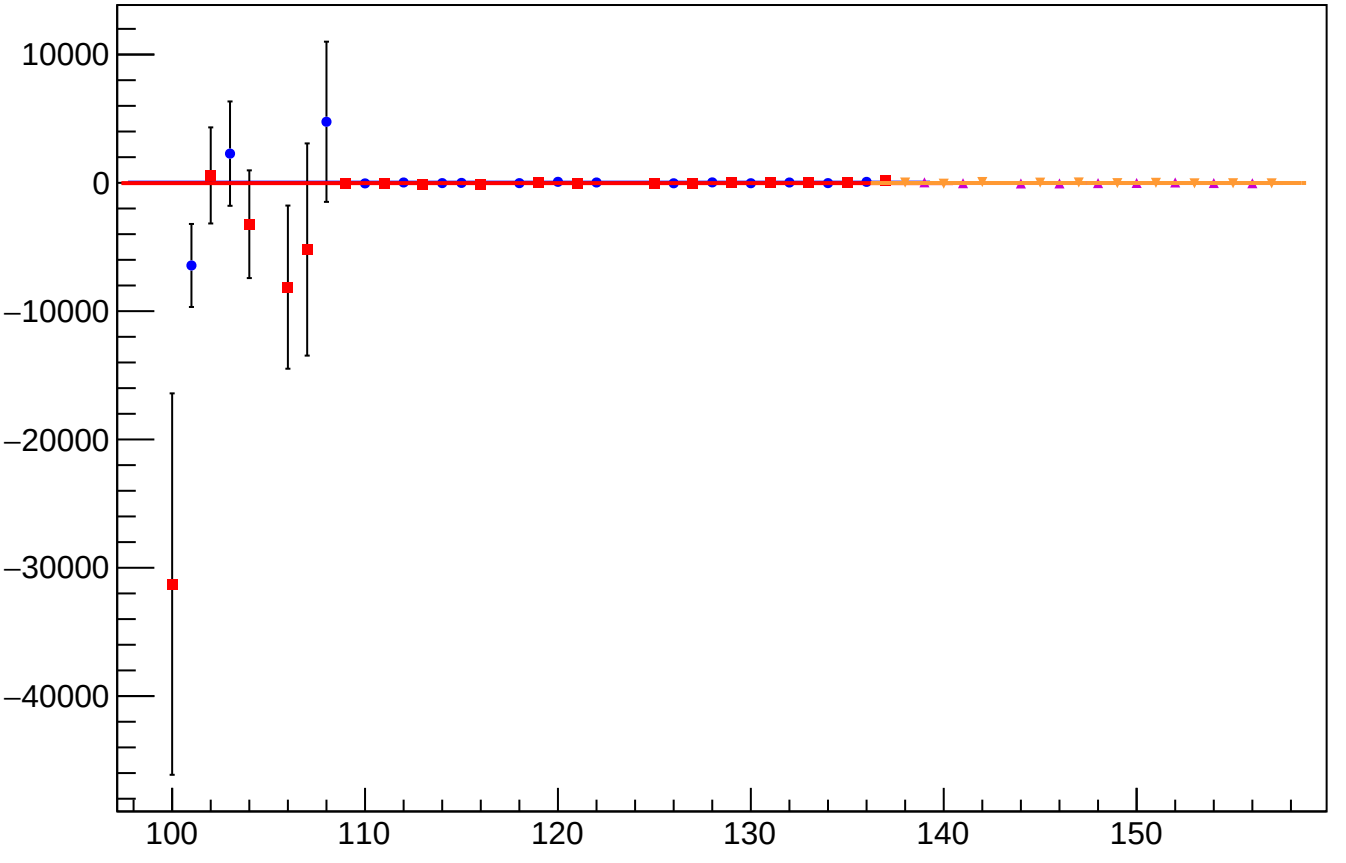
Left In: 186.416+/-0.051 χ^2/NDF:1194908.8/8

+ sign 213.916+/-0.043 χ^2/NDF: 4869803.2/25

All: 194.523+/-0.028 χ^2/NDF: 10704072.2/52

- sign 179.803+/-0.038 χ^2/NDF: 5479627.9/26

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -11.724+/-11.369 χ^2/NDF:9.7/9

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

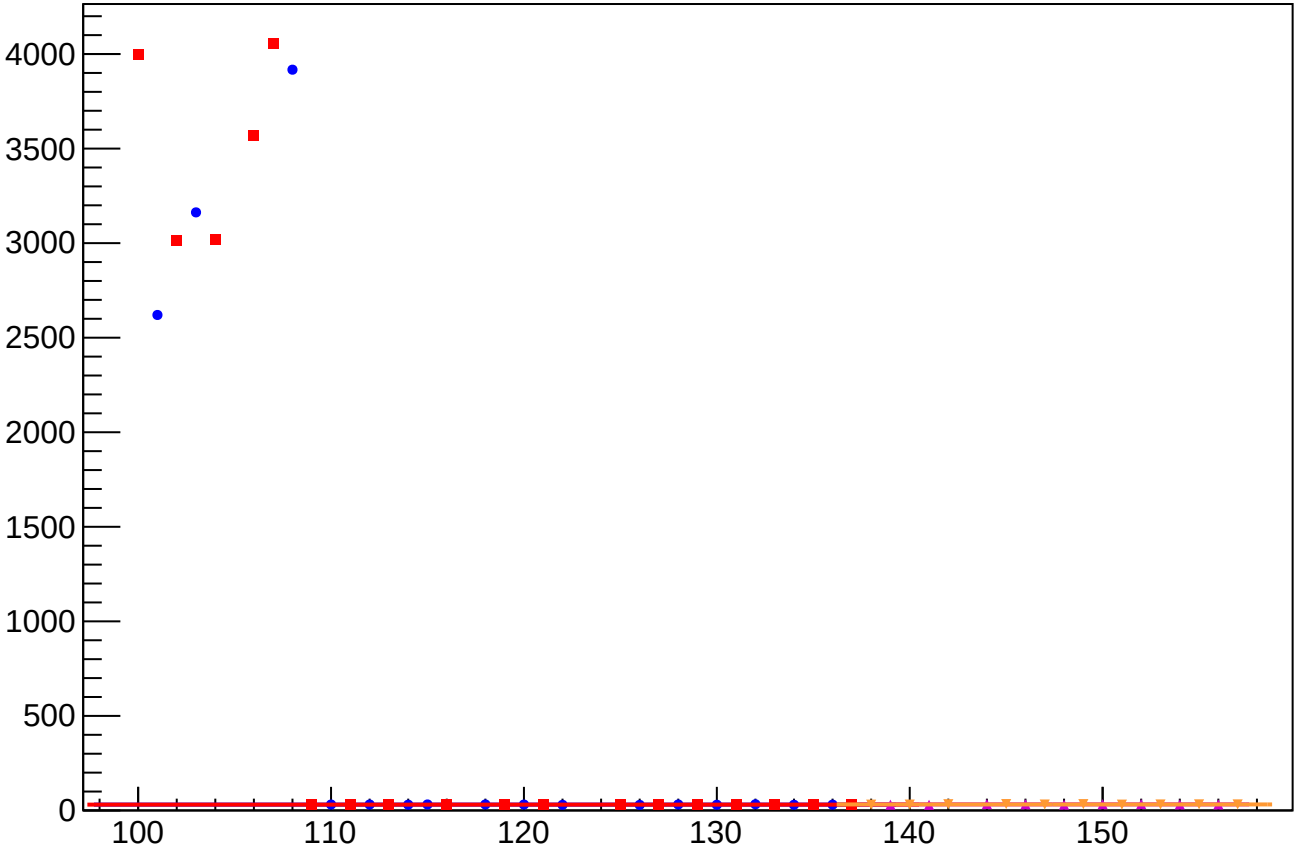
Left In: -13.360+/-11.530 χ^2/NDF:6.1/8

+ sign -0.760+/-8.576 χ^2/NDF: 27.3/25

All: -8.731+/-6.119 χ^2/NDF: 63.8/52

- sign -17.001+/-8.735 χ^2/NDF: 34.7/26

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.834+/-0.008 χ^2/NDF:15277.6/9

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

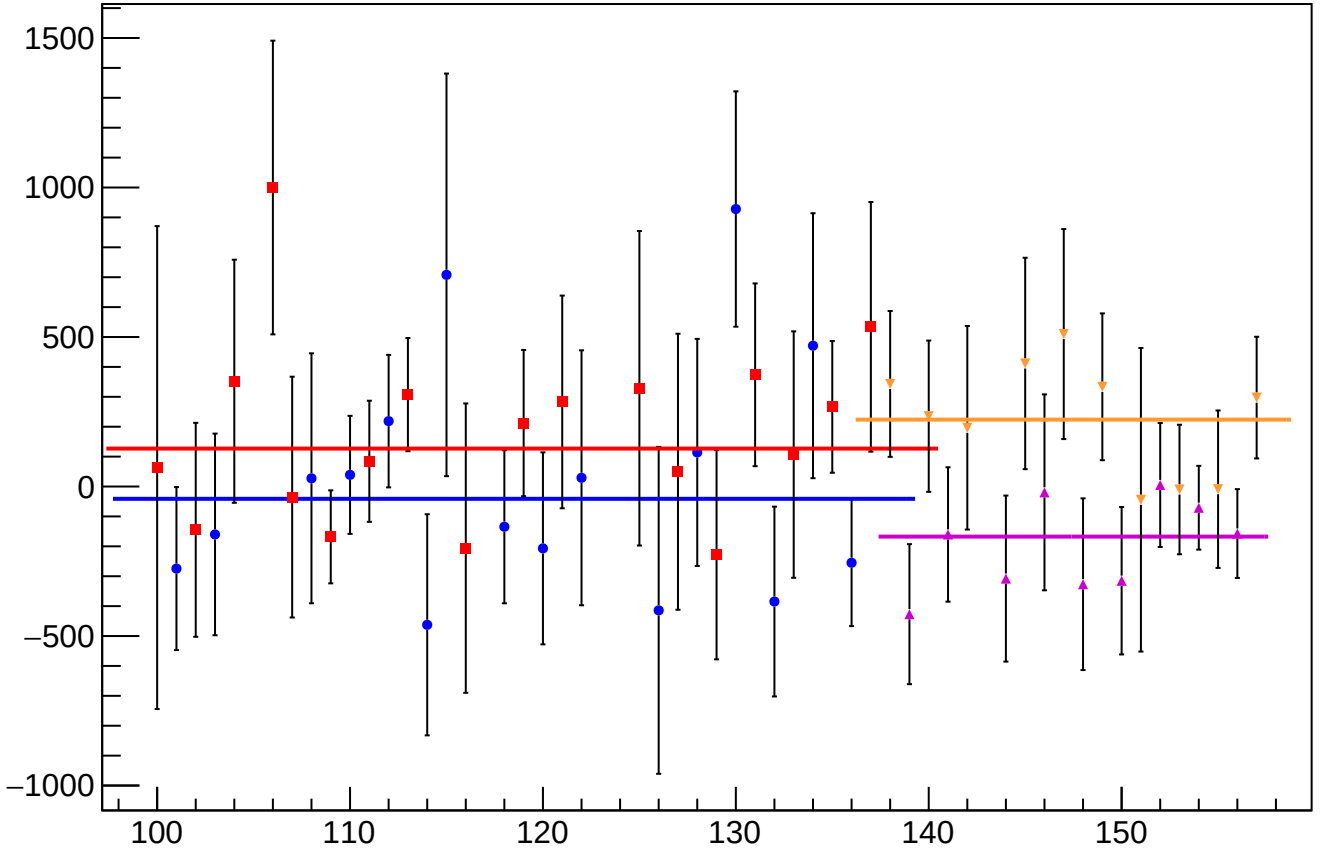
Left In: 32.171+/-0.008 χ^2/NDF:28234.9/8

+ sign 31.443+/-0.006 χ^2/NDF: 3273350.9/25

All: 31.515+/-0.004 χ^2/NDF: 6849803.1/52

- sign 31.589+/-0.006 χ^2/NDF: 3576170.8/26

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 223.724+/-85.261 χ^2/NDF:3.7/9

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

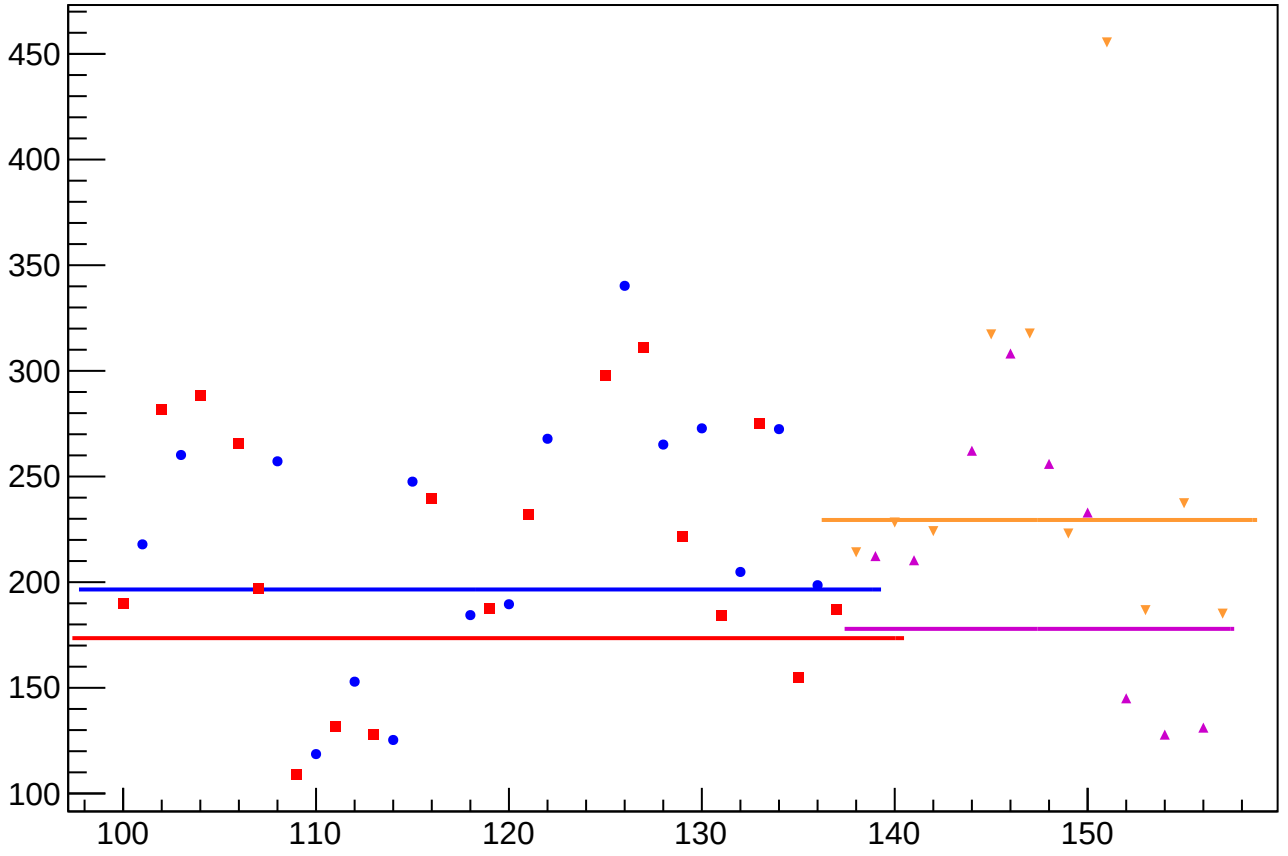
Left In: -167.454+/-69.250 χ^2/NDF:3.5/8

+ sign 78.093+/-57.202 χ^2/NDF: 24.7/25

All: 21.206+/-37.219 χ^2/NDF: 51.7/52

- sign -20.561+/-49.014 χ^2/NDF: 25.3/26

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 229.439+/-0.060 χ^2/NDF:830377.7/9

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

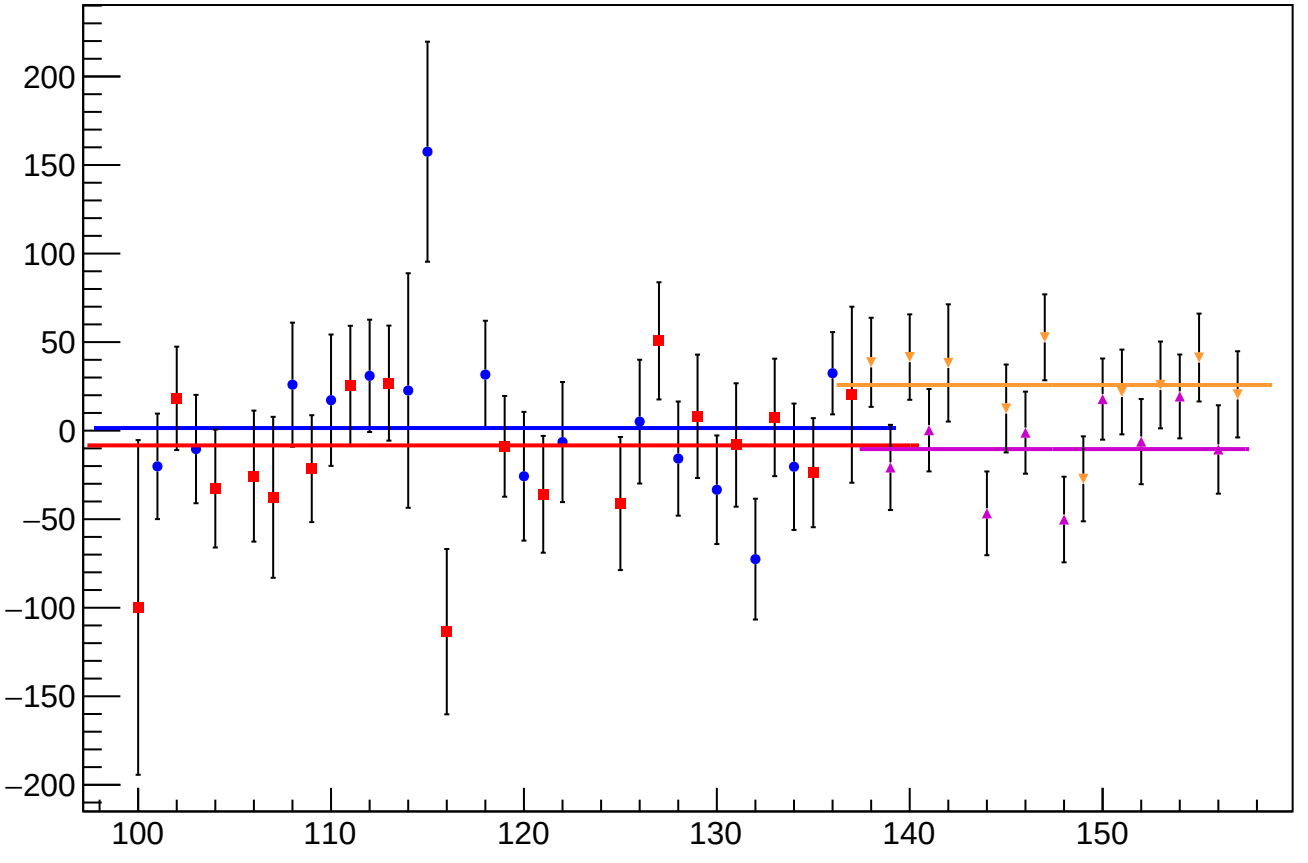
Left In: 177.904+/-0.049 χ^2/NDF:1337306.1/8

+ sign 211.349+/-0.040 χ^2/NDF: 1994867.6/25

All: 190.799+/-0.026 χ^2/NDF: 5316576.4/52

- sign 175.711+/-0.035 χ^2/NDF: 2874045.5/26

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 25.796+/-7.908 χ^2/NDF:7.7/9

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

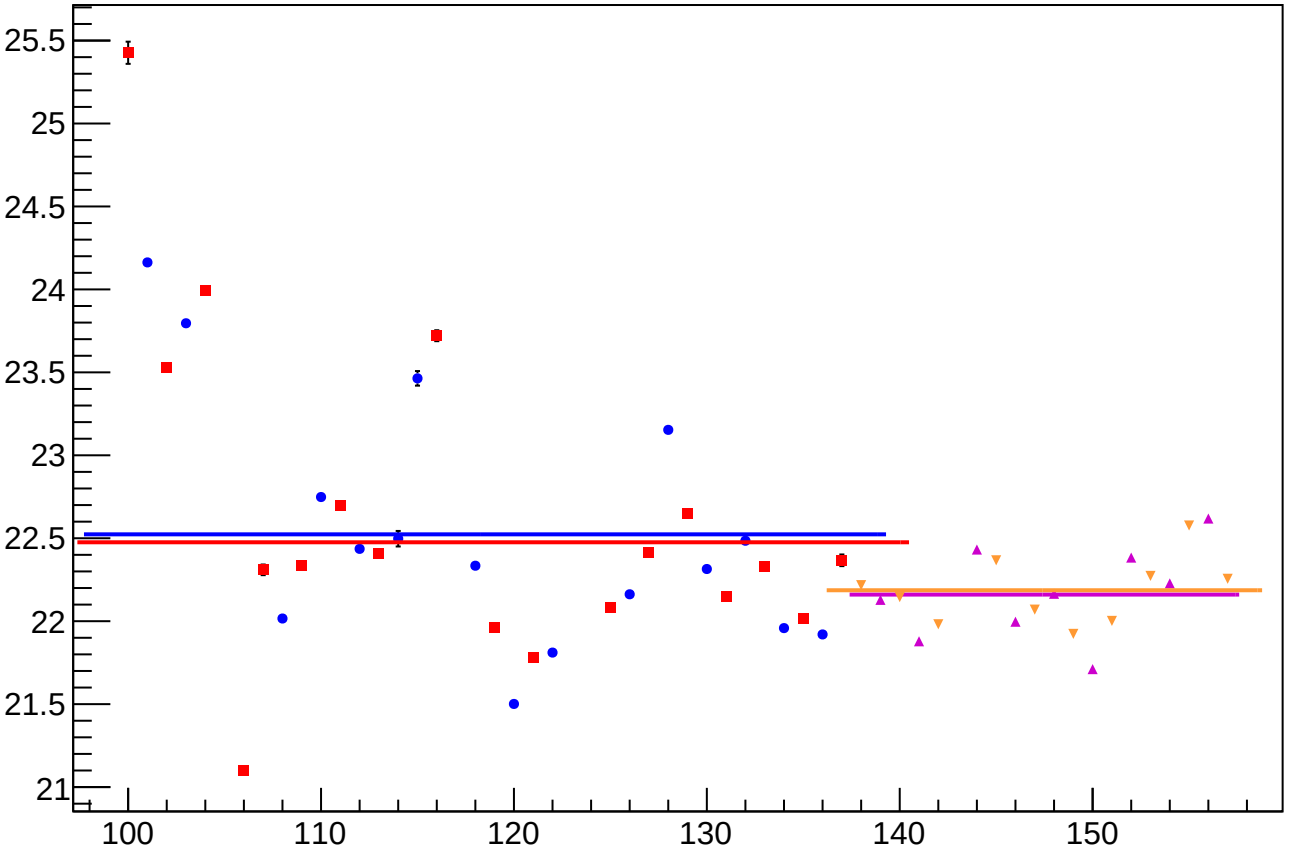
Left In: -10.413+/-7.916 χ^2/NDF:8.7/8

+ sign 14.326+/-5.748 χ^2/NDF: 30.8/25

All: 2.403+/-4.056 χ^2/NDF: 64.2/52

- sign -9.419+/-5.724 χ^2/NDF: 24.8/26

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.186+/-0.006 χ^2/NDF:1133.2/9

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

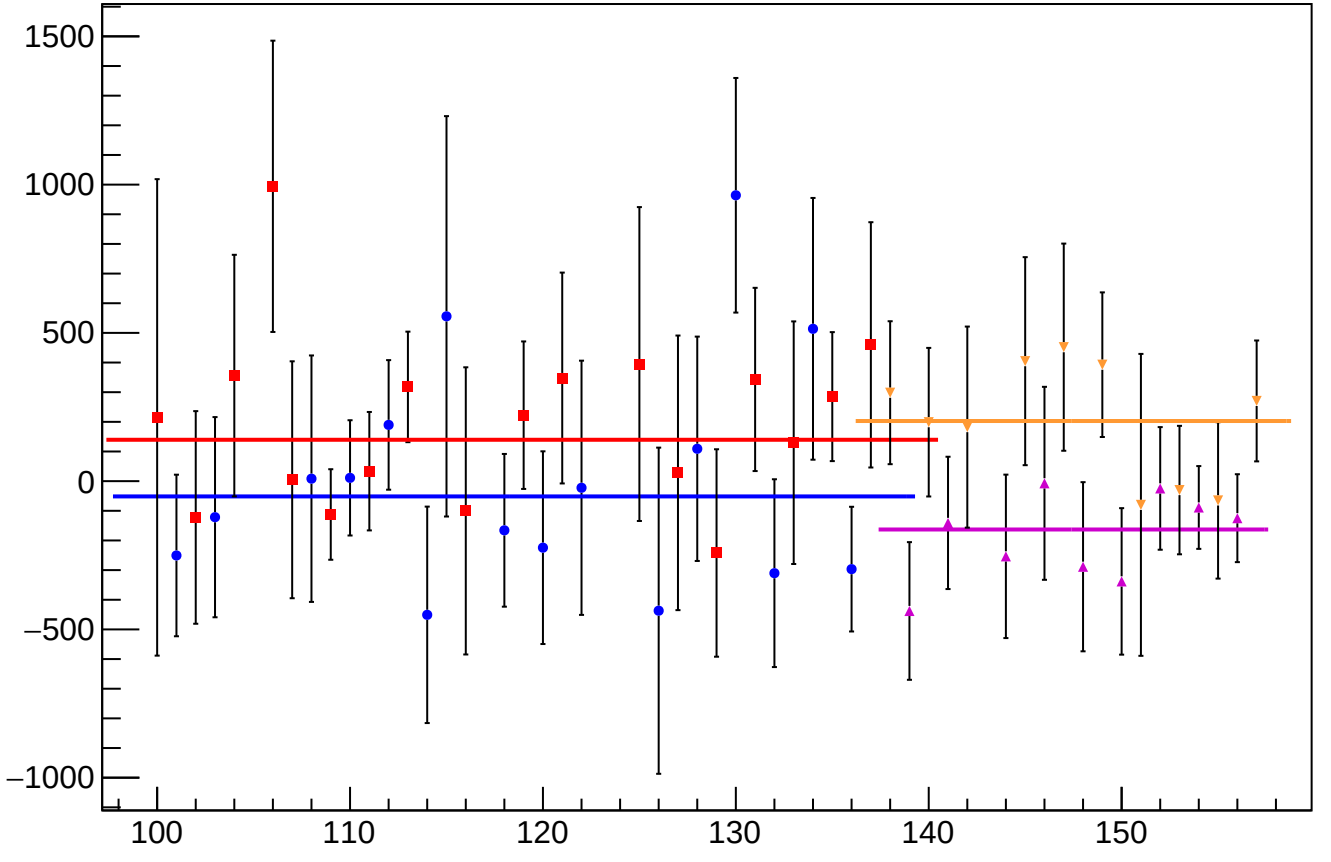
Left In: 22.160+/-0.006 χ^2/NDF:2291.1/8

+ sign 22.345+/-0.004 χ^2/NDF: 18794.8/25

All: 22.328+/-0.003 χ^2/NDF: 38172.2/52

- sign 22.311+/-0.004 χ^2/NDF: 19341.1/26

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 202.800+/-84.942 χ^2/NDF:4.2/9

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

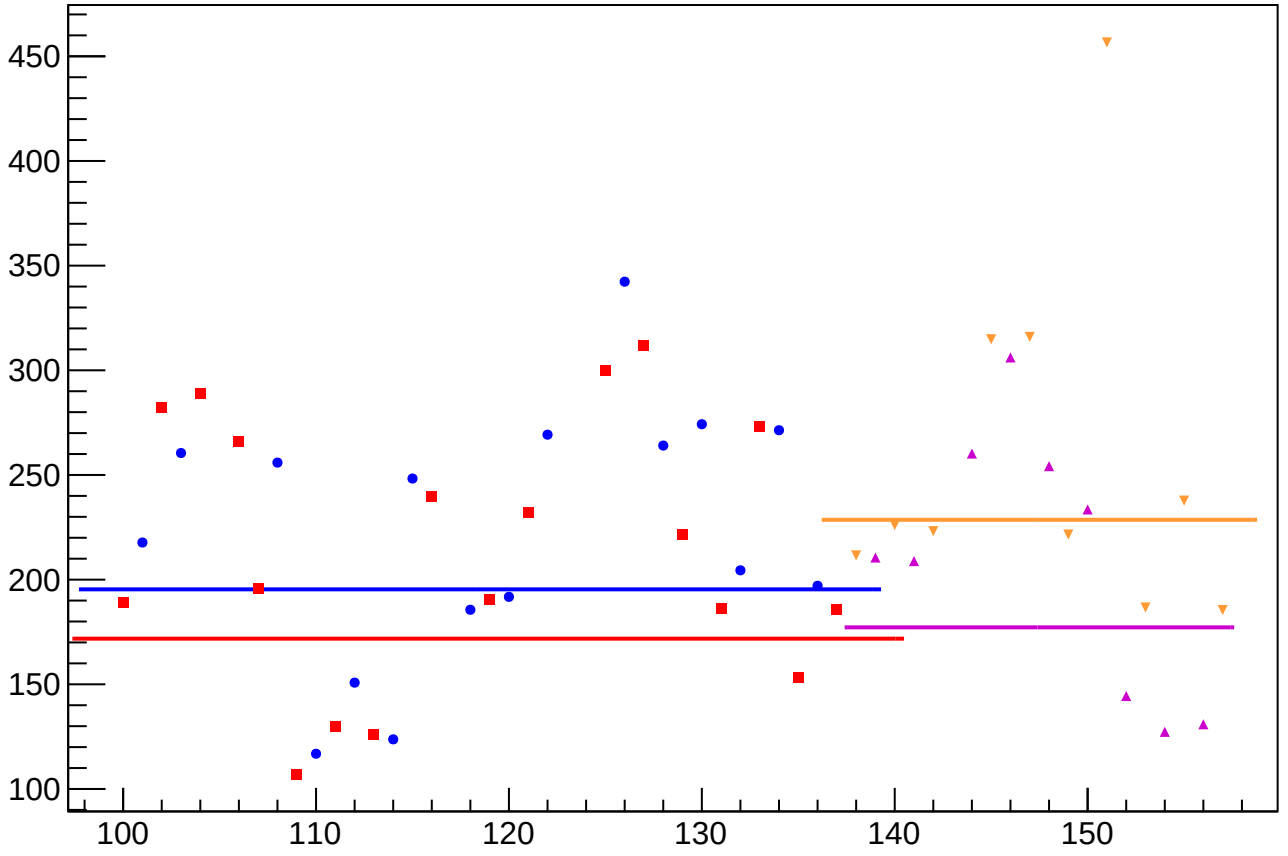
Left In: -163.033+/-68.982 χ^2/NDF:3.2/8

+ sign 62.882+/-56.967 χ^2/NDF: 24.5/25

All: 19.918+/-37.036 χ^2/NDF: 49.9/52

- sign -11.538+/-48.744 χ^2/NDF: 24.4/26

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 228.588+/-0.060 χ^2/NDF:826333.3/9

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

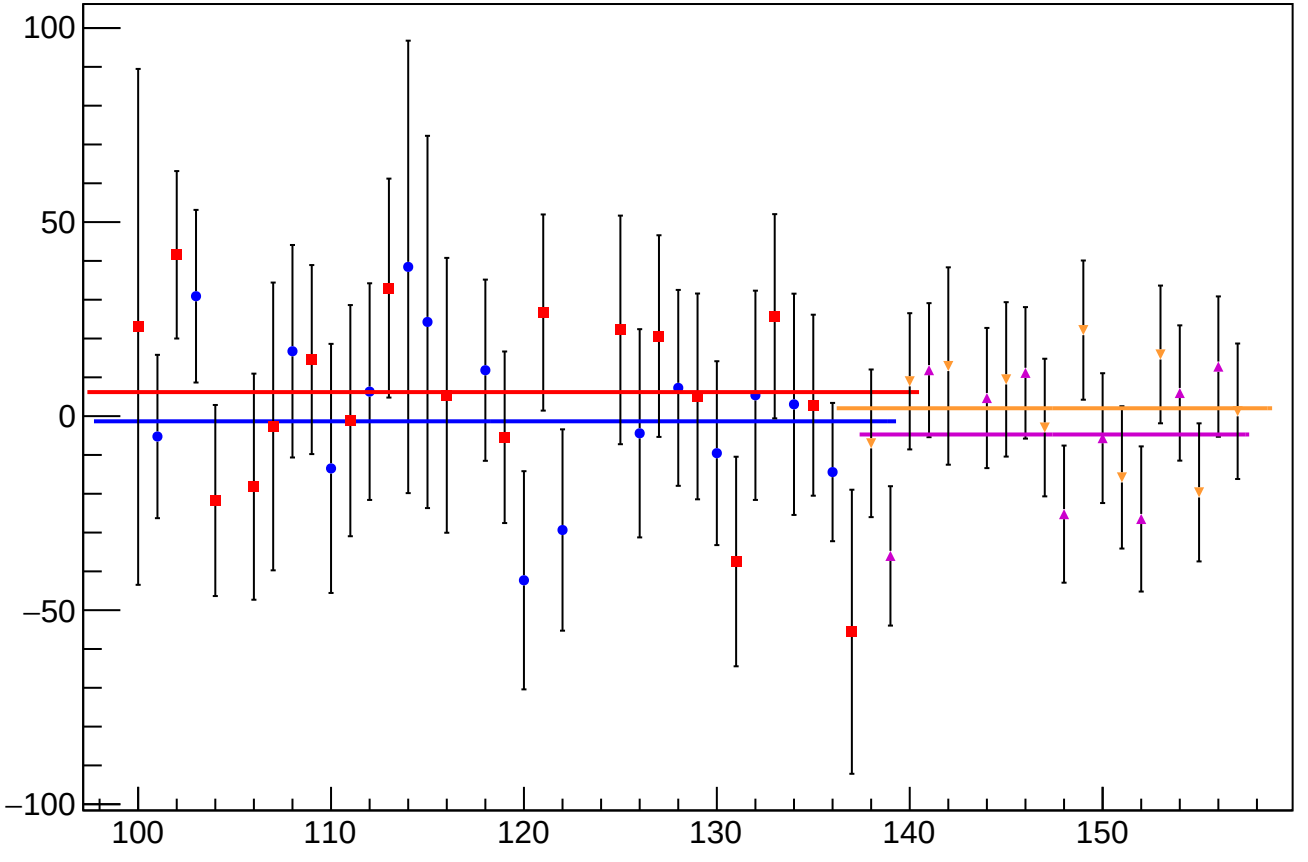
Left In: 177.210+/-0.049 χ^2/NDF:1327813.9/8

+ sign 210.306+/-0.040 χ^2/NDF: 2036152.0/25

All: 189.637+/-0.026 χ^2/NDF: 5426825.5/52

- sign 174.504+/-0.034 χ^2/NDF: 2934625.0/26

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.031+/-5.876 χ^2/NDF:5.1/9

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

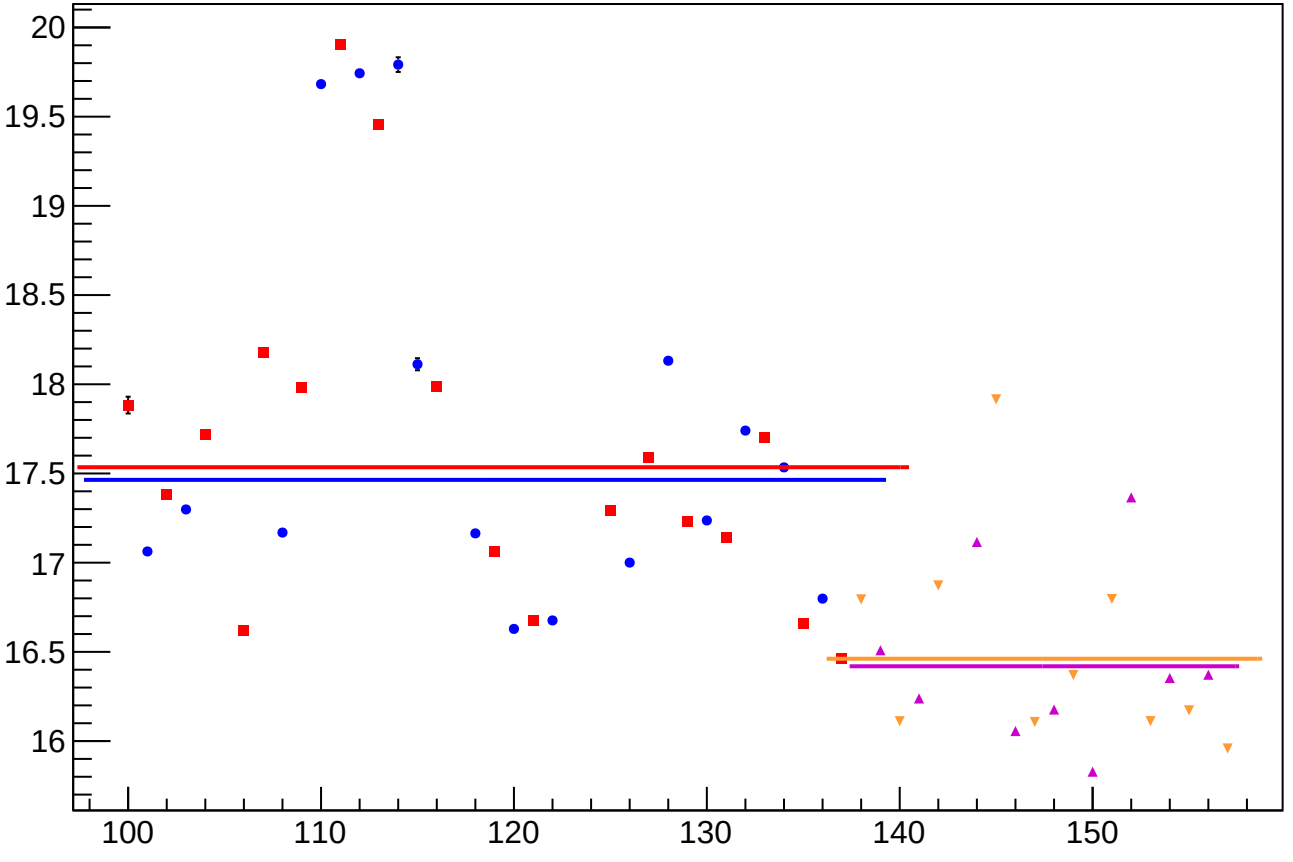
Left In: -4.726+/-5.873 χ^2/NDF:9.1/8

+ sign 0.519+/-4.358 χ^2/NDF: 13.3/25

All: 0.362+/-3.079 χ^2/NDF: 37.4/52

- sign 0.205+/-4.350 χ^2/NDF: 24.1/26

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.462+/-0.004 χ^2/NDF:17098.3/9

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

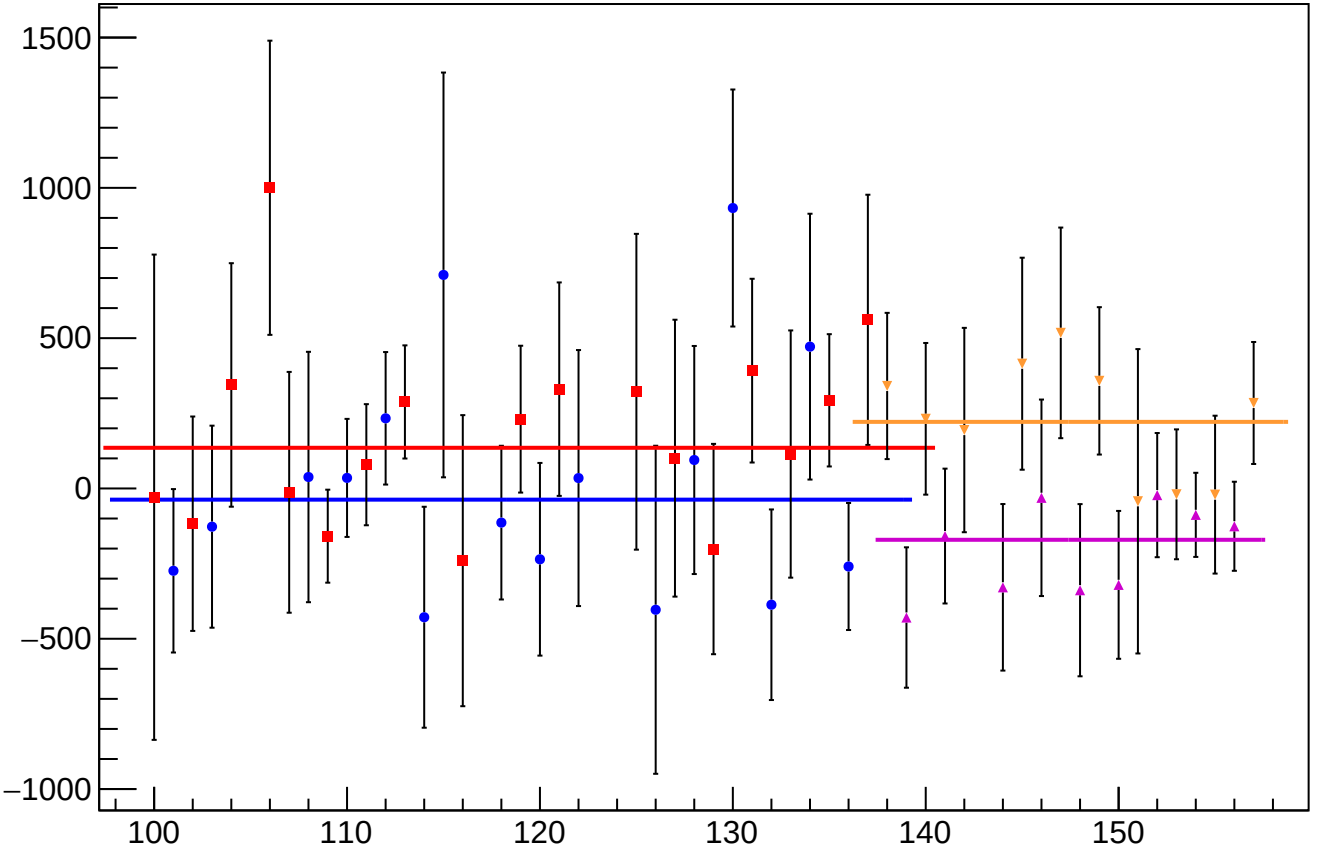
Left In: 16.419+/-0.004 χ^2/NDF:12200.6/8

+ sign 16.913+/-0.003 χ^2/NDF: 79942.1/25

All: 16.918+/-0.002 χ^2/NDF: 159214.9/52

- sign 16.923+/-0.003 χ^2/NDF: 79266.9/26

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 221.513+/-85.061 χ^2/NDF:4.0/9

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

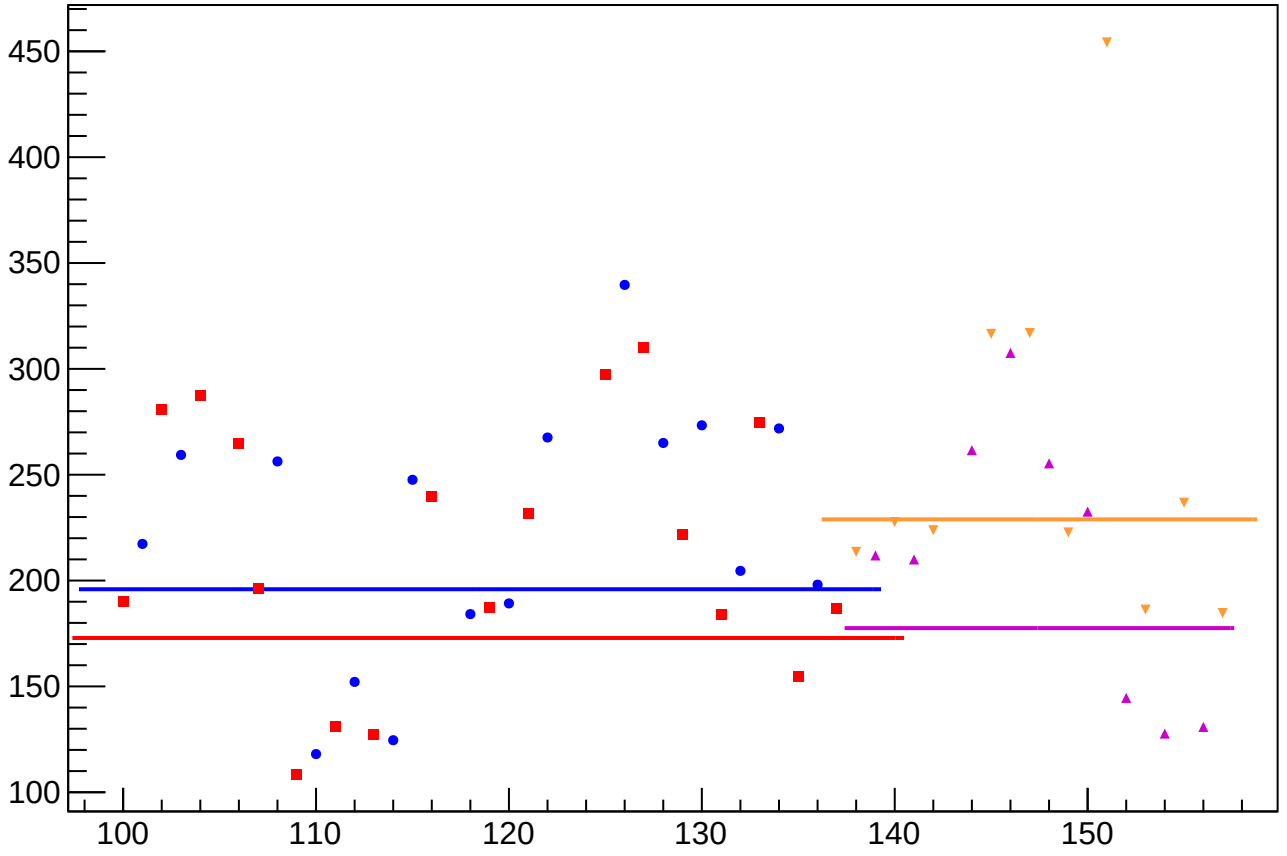
Left In: -170.776+/-69.106 χ^2/NDF:3.4/8

+ sign 79.156+/-57.050 χ^2/NDF: 24.8/25

All: 23.212+/-37.120 χ^2/NDF: 52.5/52

- sign -17.862+/-48.884 χ^2/NDF: 26.0/26

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 228.898+/-0.060 χ^2/NDF:830463.1/9

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

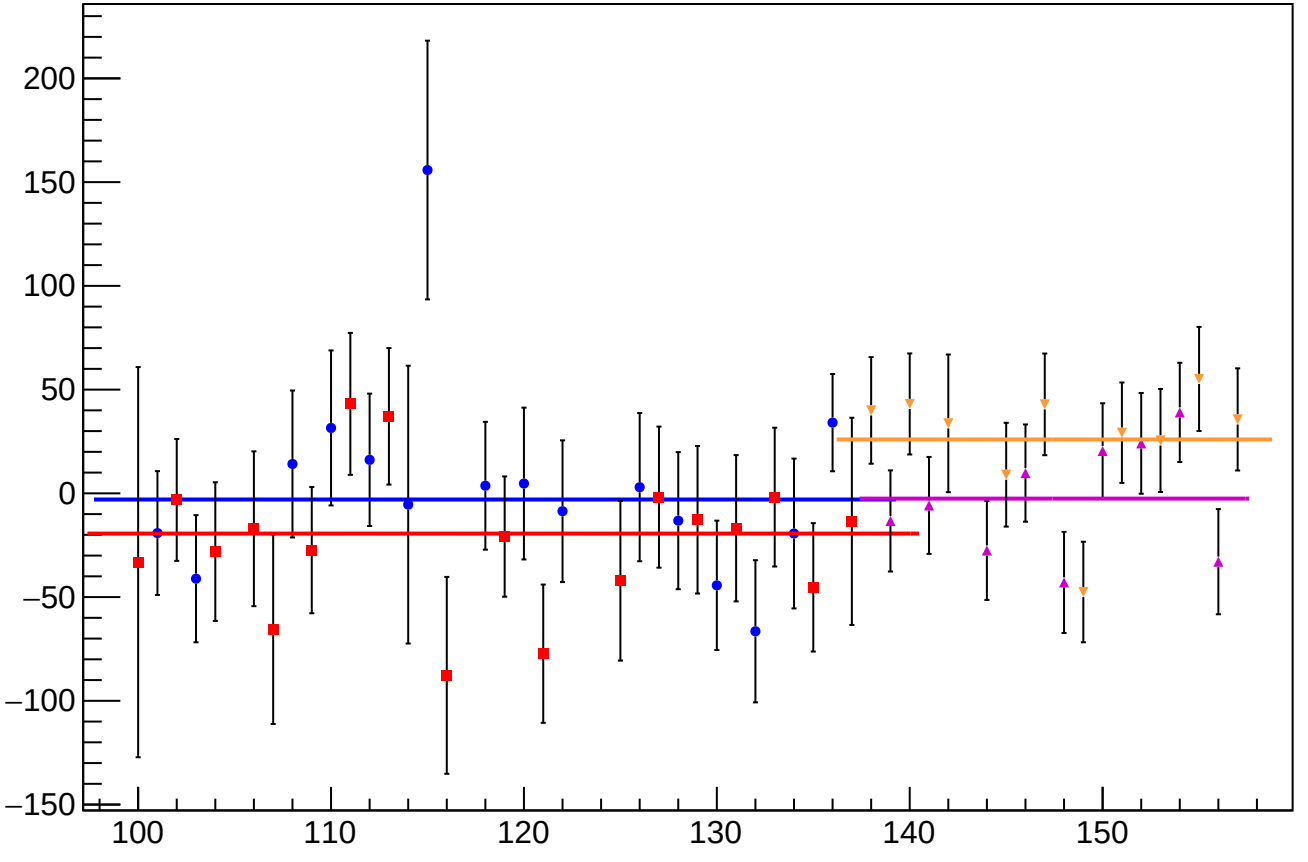
Left In: 177.543+/-0.049 χ^2/NDF:1336299.0/8

+ sign 210.744+/-0.040 χ^2/NDF: 2007072.6/25

All: 190.253+/-0.026 χ^2/NDF: 5338601.2/52

- sign 175.210+/-0.035 χ^2/NDF: 2884120.9/26

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 25.972+/-7.995 χ^2/NDF:12.5/9

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

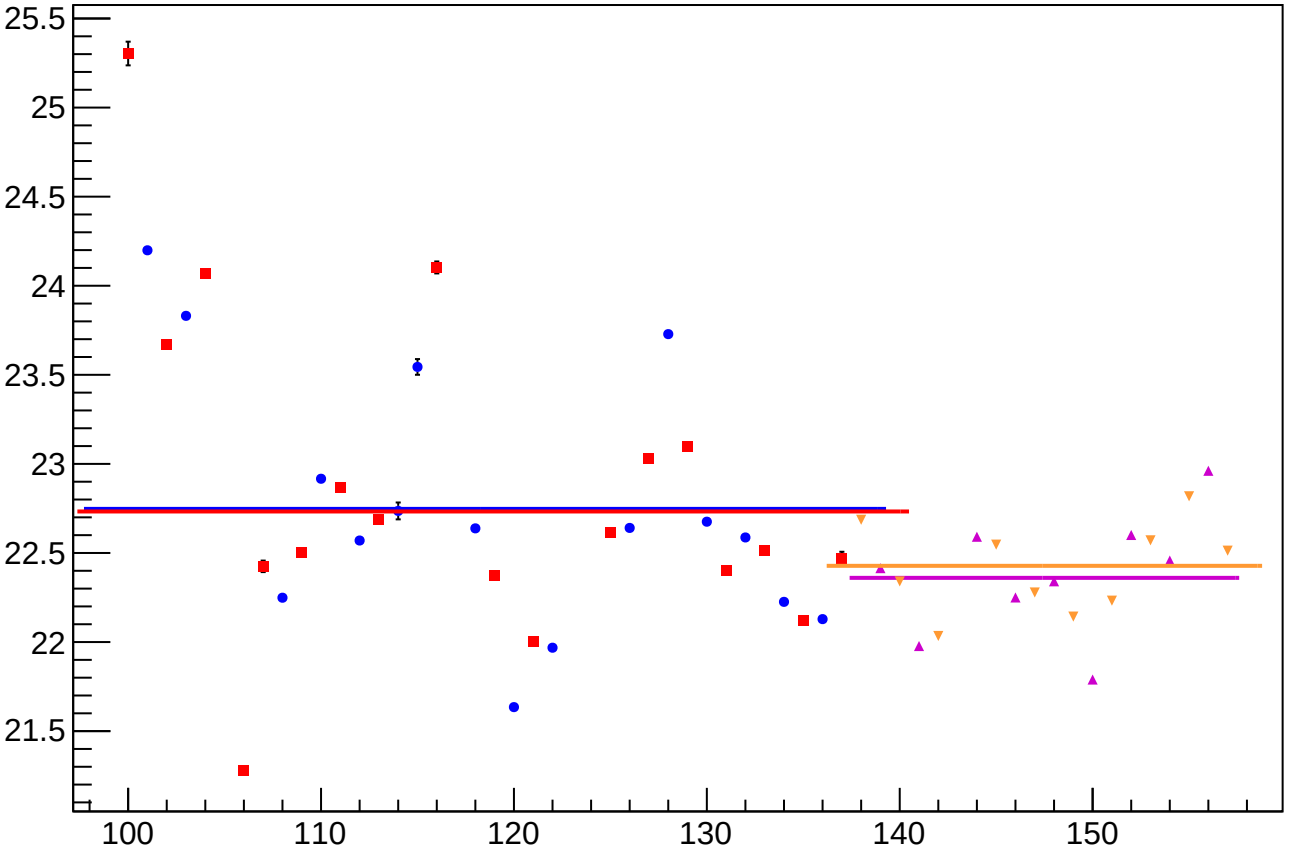
Left In: -2.539+/-7.988 χ^2/NDF:11.0/8

+ sign 12.309+/-5.809 χ^2/NDF: 36.6/25

All: 0.823+/-4.098 χ^2/NDF: 72.0/52

- sign -10.558+/-5.782 χ^2/NDF: 27.6/26

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.428+/-0.006 χ^2/NDF:1611.1/9

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

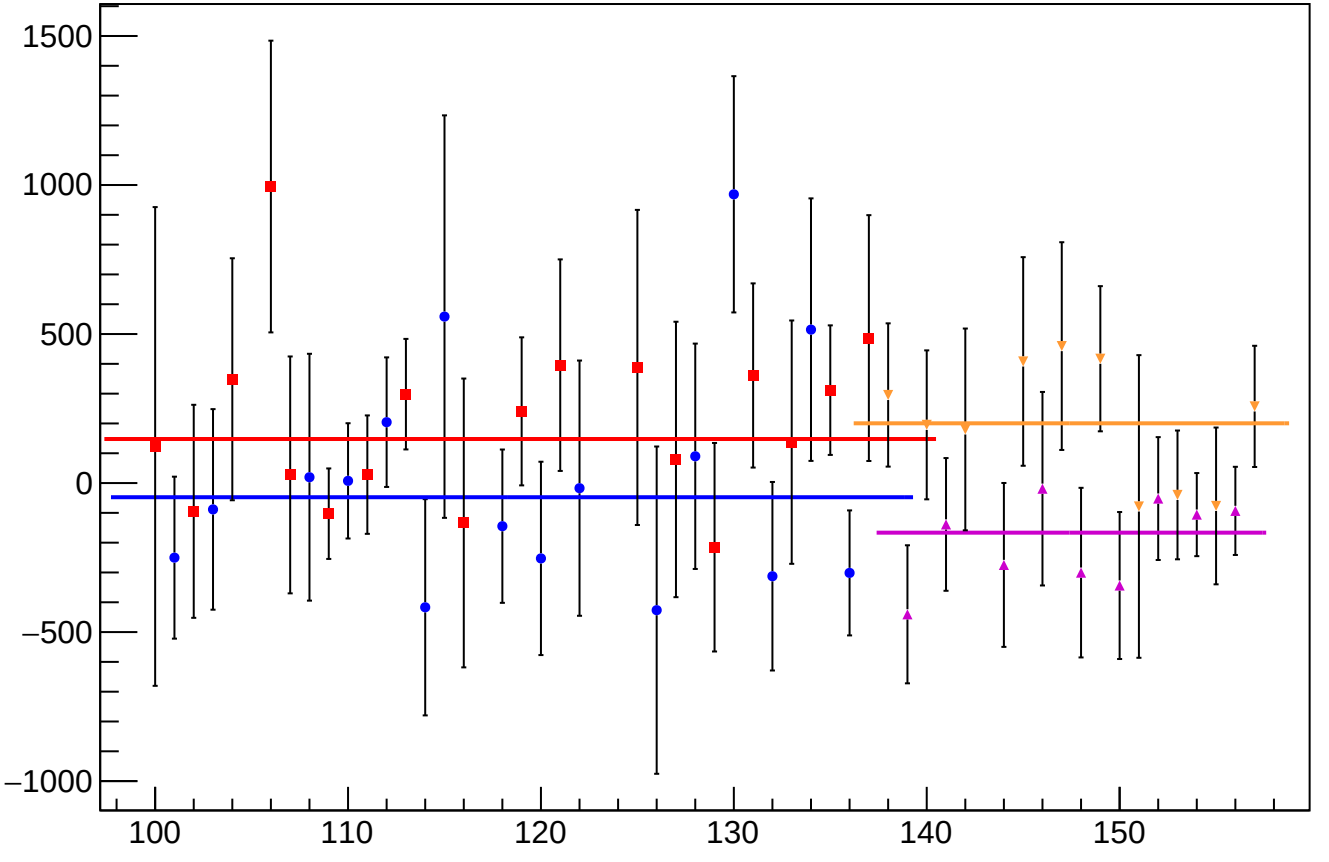
Left In: 22.360+/-0.006 χ^2/NDF:3365.1/8

\+ sign 22.579+/-0.004 χ^2/NDF: 17742.8/25

All: 22.558+/-0.003 χ^2/NDF: 37618.8/52

\- sign 22.538+/-0.004 χ^2/NDF: 19825.8/26

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 200.474+/-84.742 χ^2/NDF:4.6/9

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

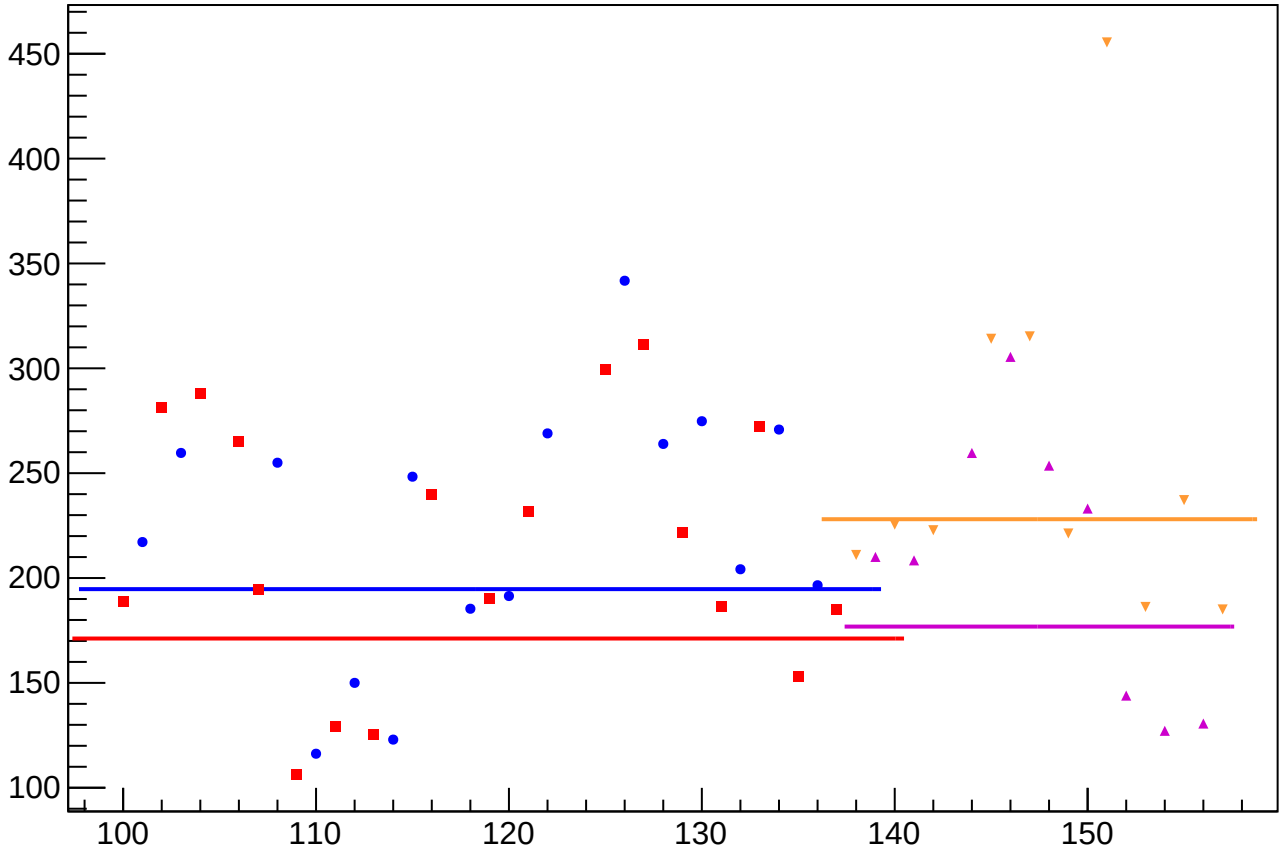
Left In: -166.442+/-68.838 χ^2/NDF:3.3/8

+ sign 63.946+/-56.814 χ^2/NDF: 24.7/25

All: 21.886+/-36.937 χ^2/NDF: 50.9/52

- sign -8.907+/-48.613 χ^2/NDF: 25.2/26

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 228.050+/-0.060 χ^2/NDF:826350.4/9

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

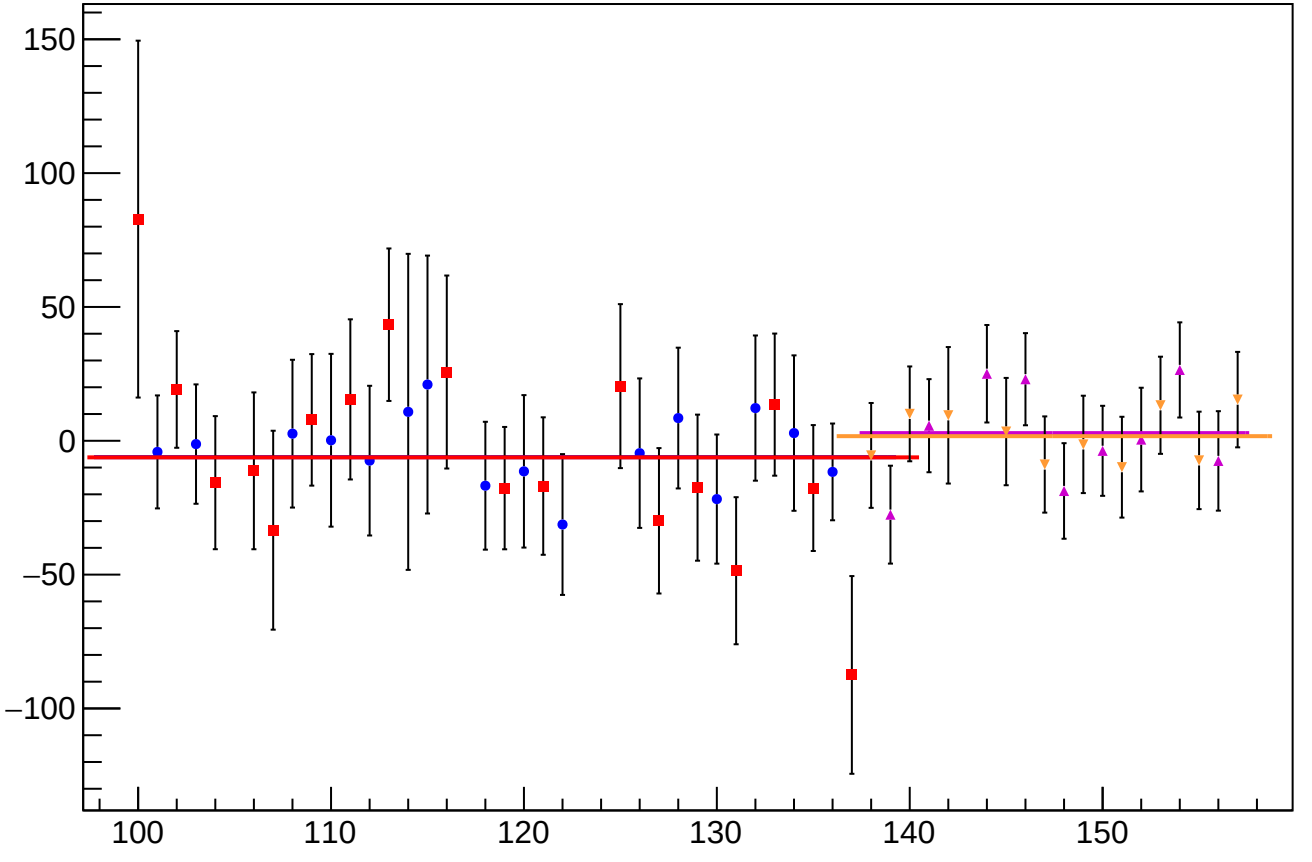
Left In: 176.850+/-0.049 χ^2/NDF:1326701.6/8

+ sign 209.694+/-0.040 χ^2/NDF: 2049084.4/25

All: 189.085+/-0.026 χ^2/NDF: 5450453.0/52

- sign 173.996+/-0.034 χ^2/NDF: 2945495.5/26

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.726+/-5.981 χ^2/NDF:2.4/9

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

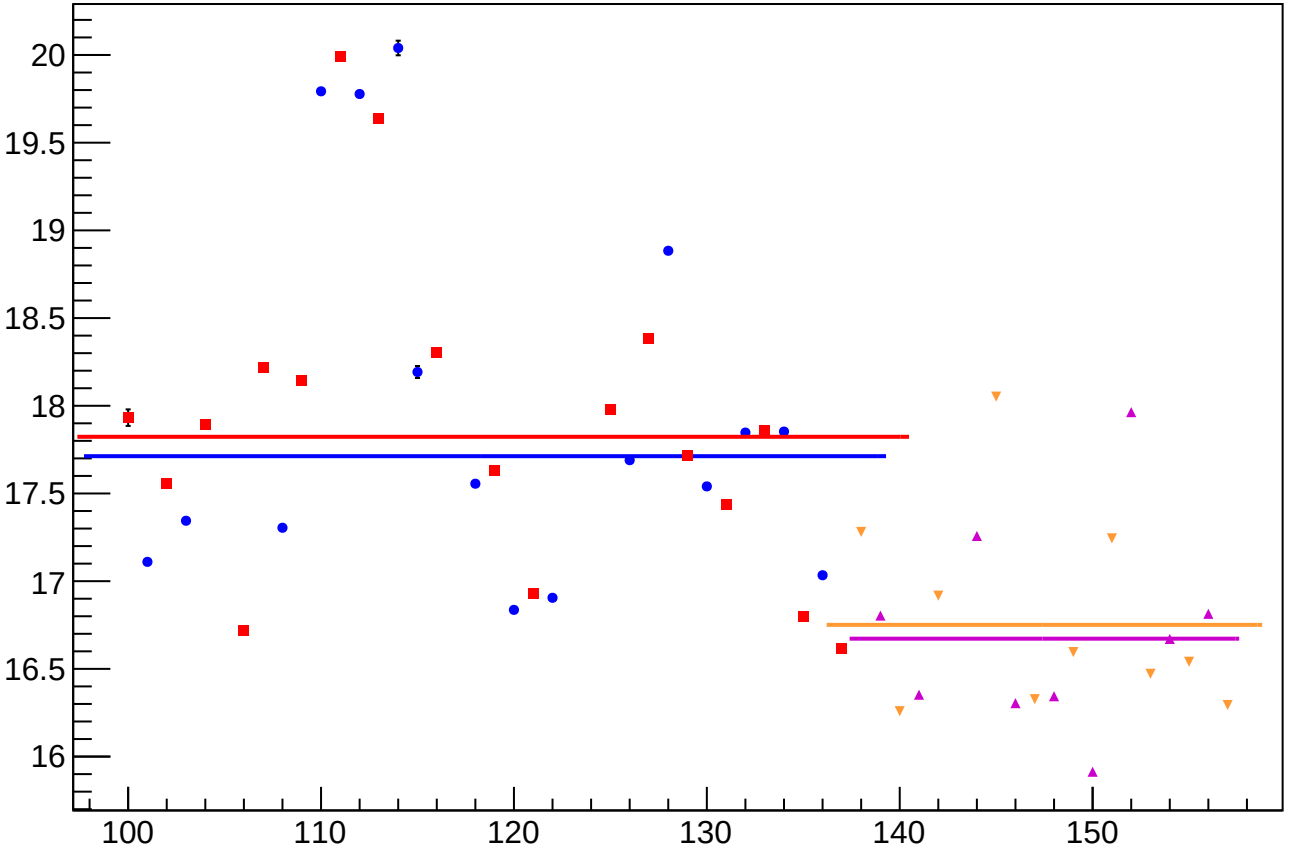
Left In: 2.865+/-5.967 χ^2/NDF:9.4/8

+ sign -1.816+/-4.430 χ^2/NDF: 6.4/25

All: -1.519+/-3.129 χ^2/NDF: 35.4/52

- sign -1.223+/-4.420 χ^2/NDF: 29.0/26

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.751+/-0.004 χ^2/NDF:16197.2/9

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

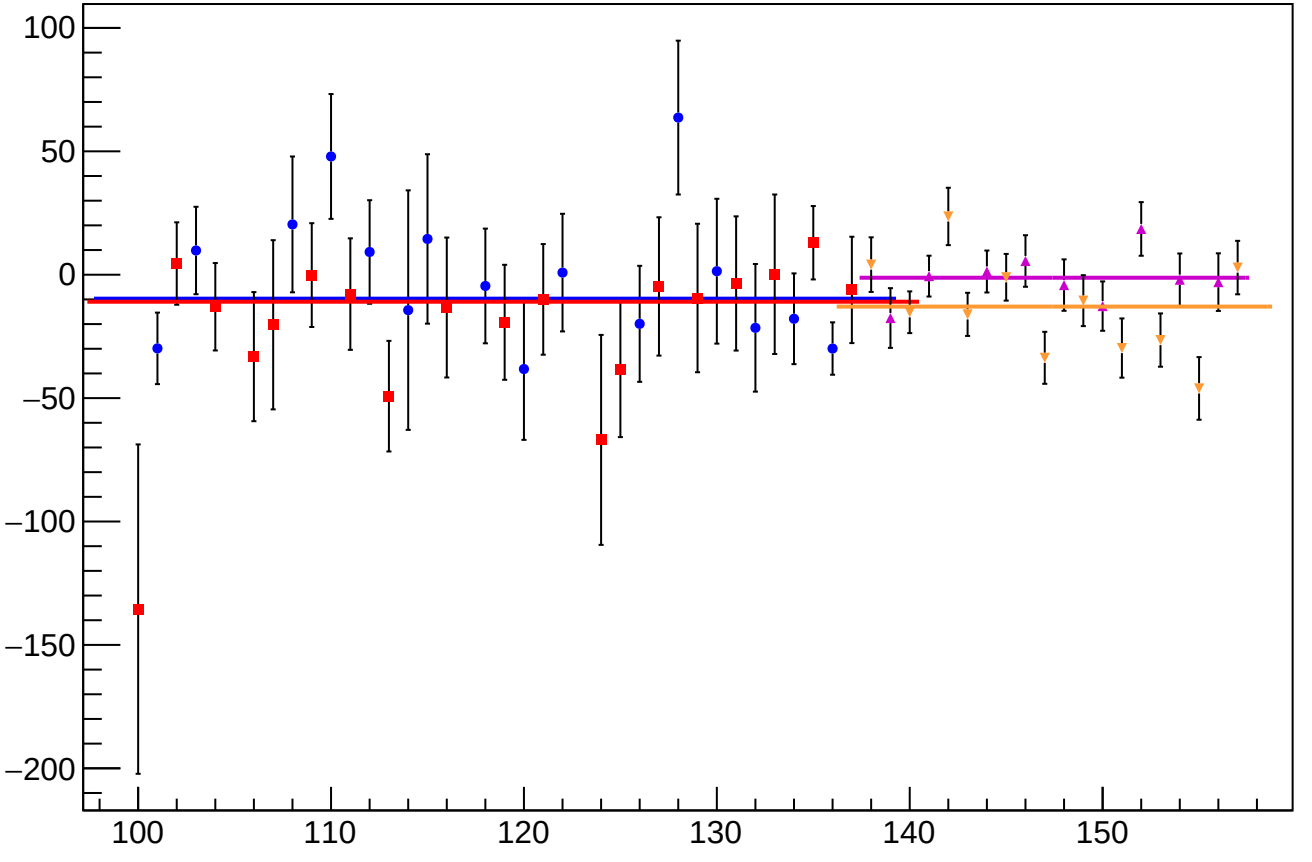
Left In: 16.672+/-0.004 χ^2/NDF:17513.5/8

\+ sign 17.185+/-0.003 χ^2/NDF: 75530.8/25

All: 17.188+/-0.002 χ^2/NDF: 159130.4/52

\- sign 17.192+/-0.003 χ^2/NDF: 83597.4/26

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.913+/-3.124 χ^2/NDF:30.5/10

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

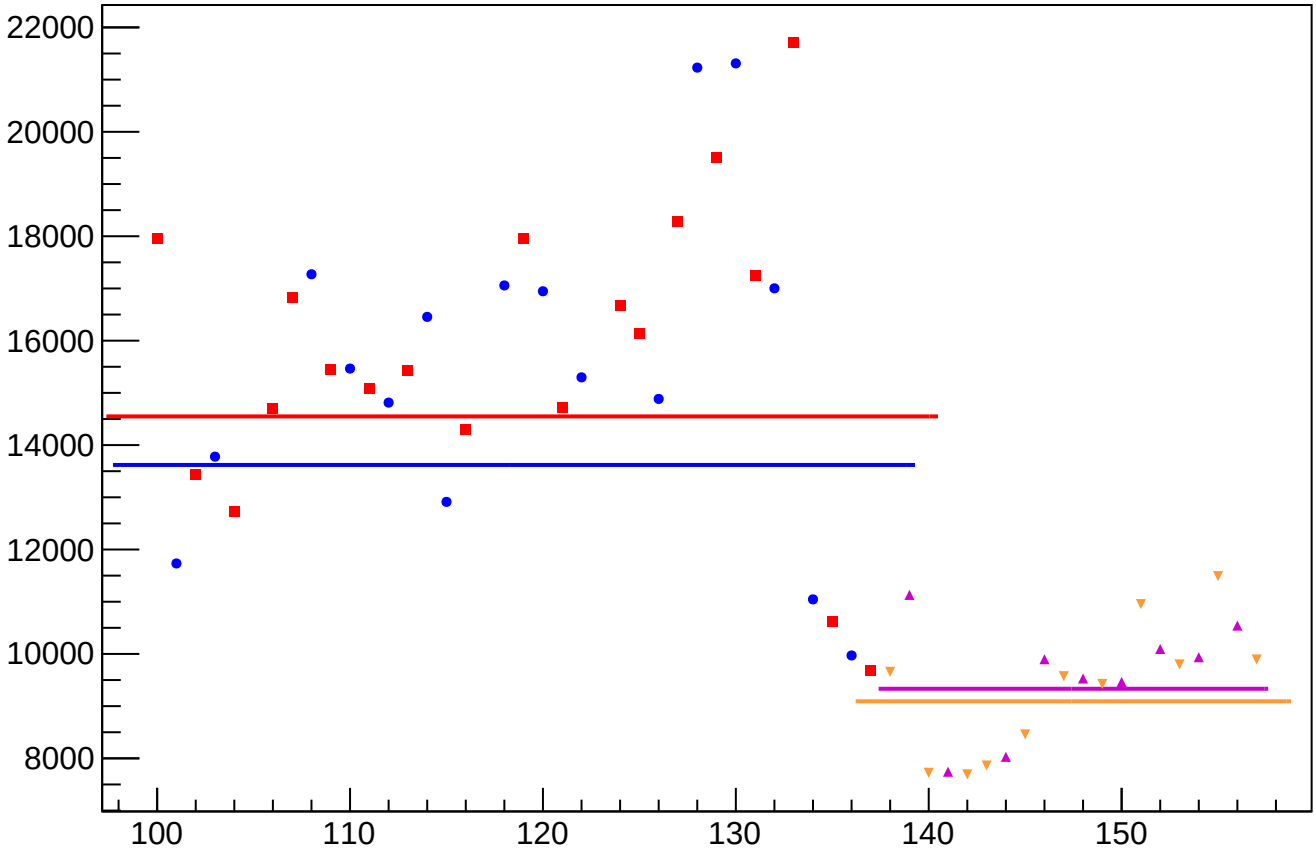
Left In: -1.219+/-3.364 χ^2/NDF:7.1/8

+ sign -12.069+/-2.682 χ^2/NDF: 52.7/26

All: -8.253+/-1.957 χ^2/NDF: 80.5/54

- sign -3.911+/-2.861 χ^2/NDF: 23.5/27

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 9093.205+/-2.209 χ^2/NDF:280370.0/10

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

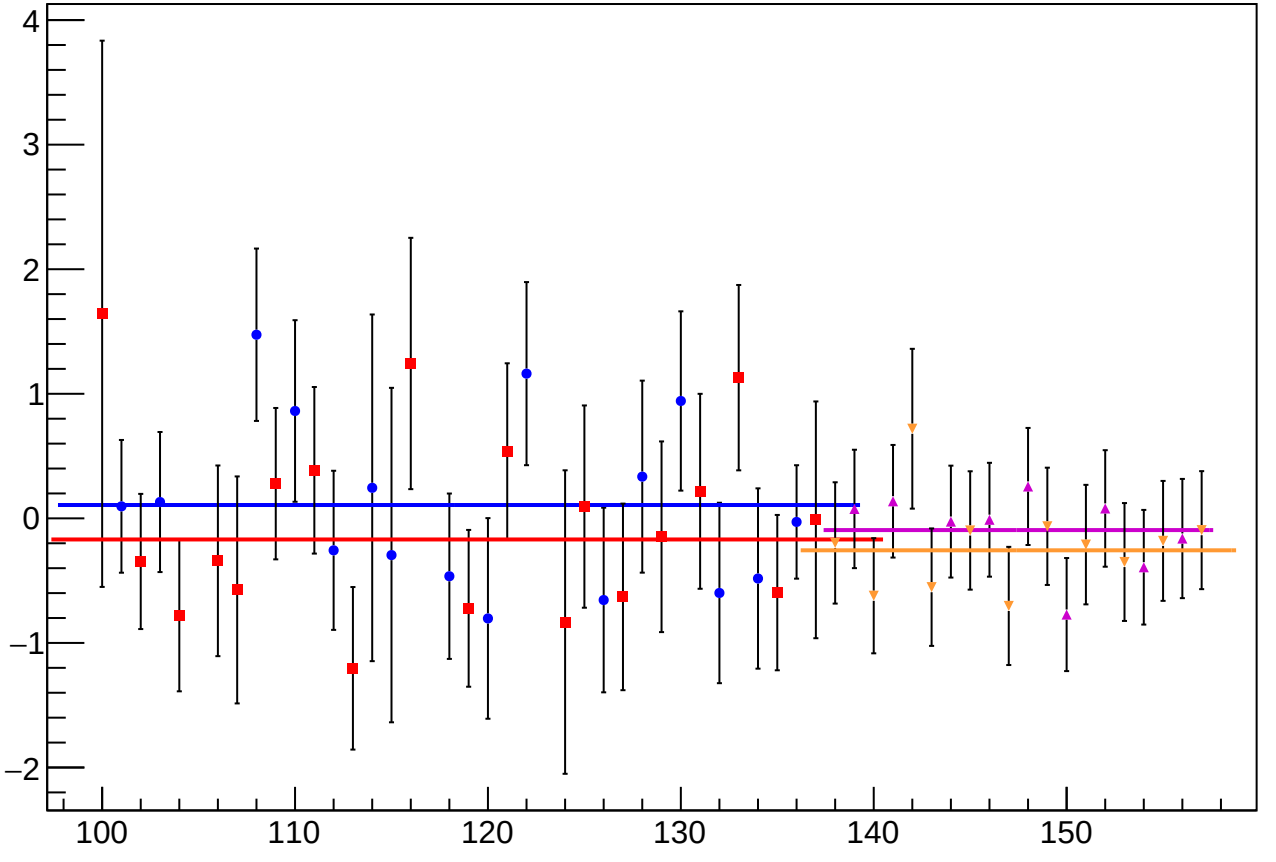
Left In: 9332.916+/-2.379 χ^2/NDF:209745.8/8

+ sign 10282.900+/-1.896 χ^2/NDF: 2131230.4/26

All: 10514.314+/-1.384 χ^2/NDF: 4260438.1/5

- sign 10777.622+/-2.023 χ^2/NDF: 2097374.0/27

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.256+/-0.146 χ^2/NDF:4.7/10

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

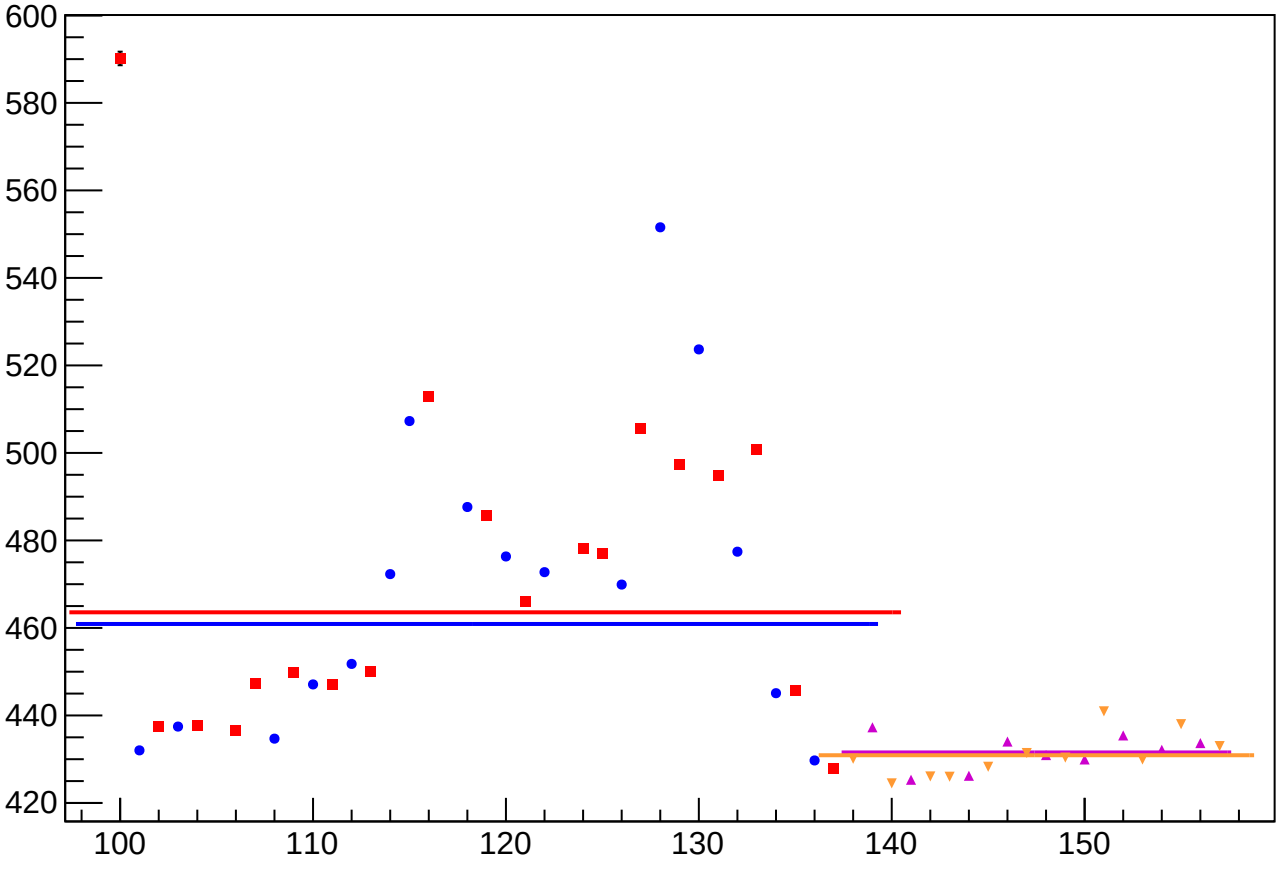
Left In: -0.094+/-0.154 χ^2/NDF:3.8/8

+ sign -0.104+/-0.111 χ^2/NDF: 21.0/26

All: -0.116+/-0.080 χ^2/NDF: 39.0/54

- sign -0.128+/-0.114 χ^2/NDF: 18.0/27

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.906+/-0.103 χ^2/NDF:2147.2/10

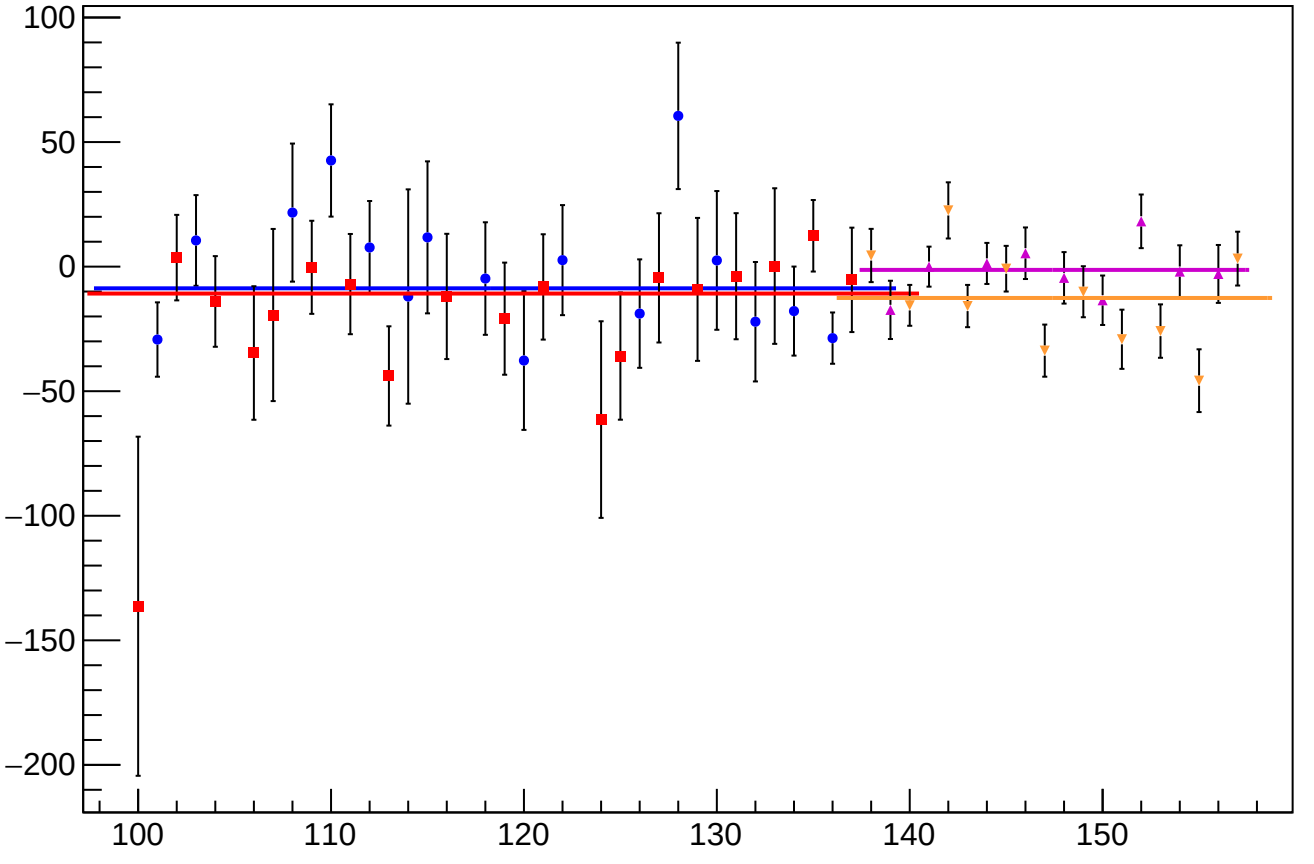
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

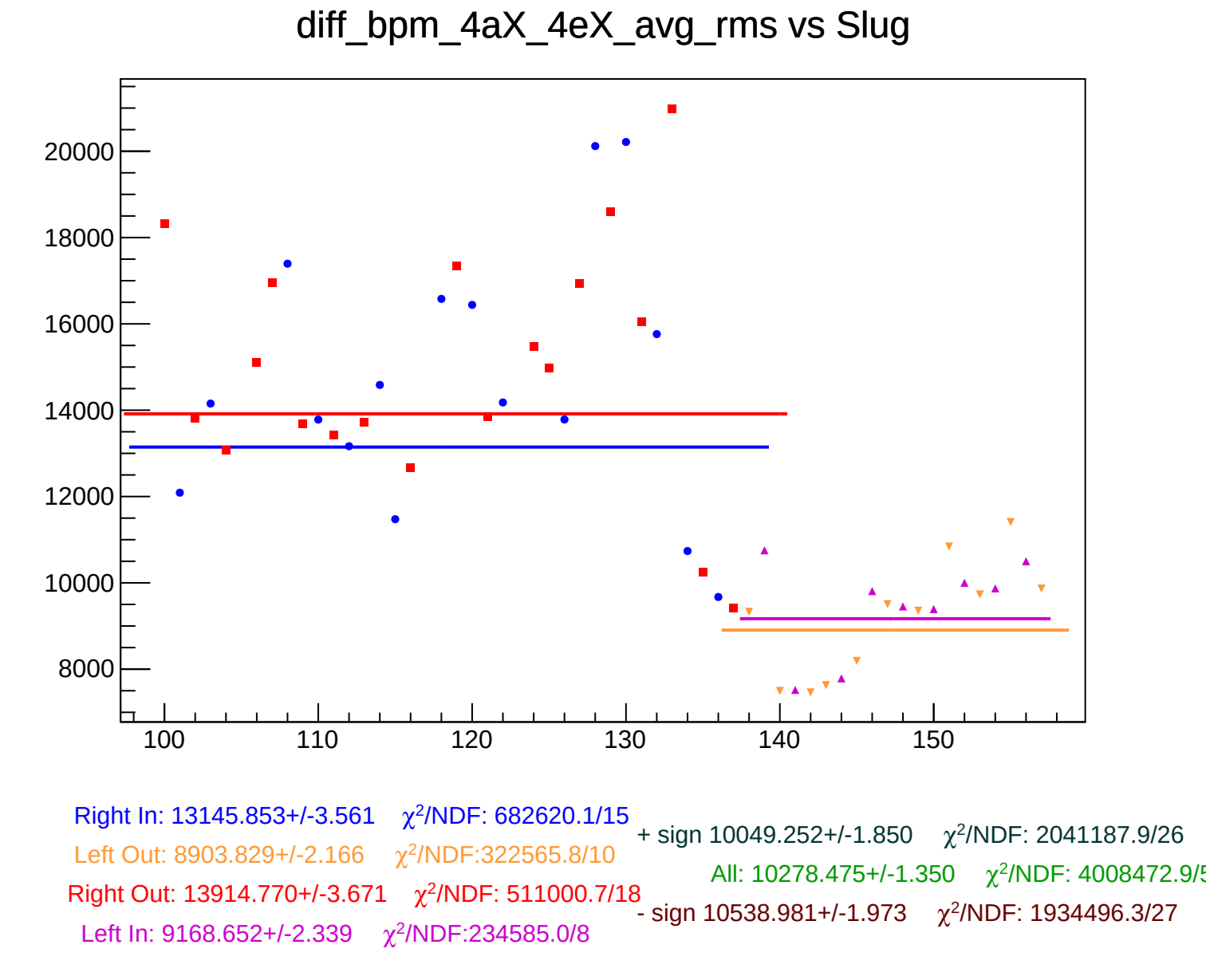
Left In: 431.545+/-0.109 χ^2/NDF:1224.6/8

+ sign 443.512+/-0.079 χ^2/NDF: 112475.3/26

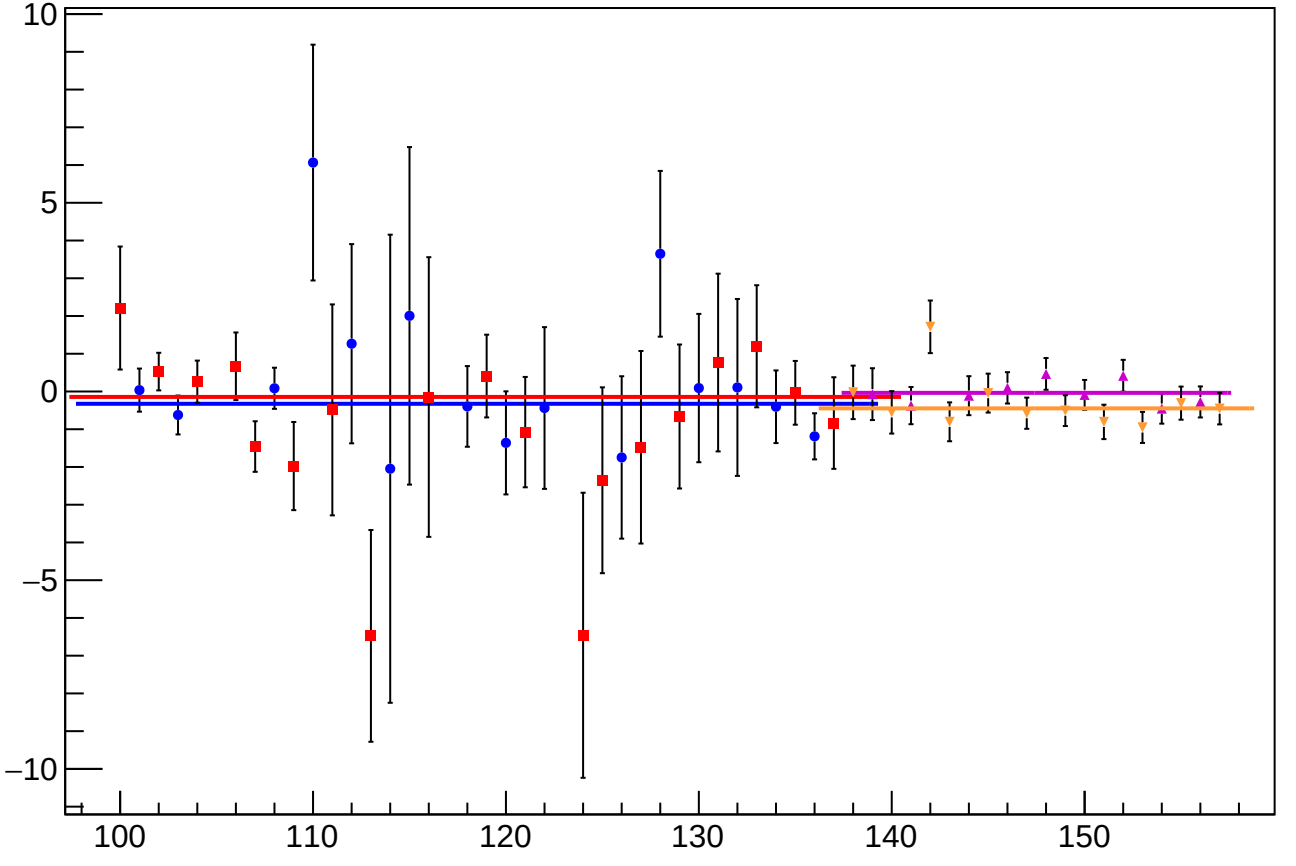
All: 444.748+/-0.056 χ^2/NDF: 205490.4/54

- sign 446.045+/-0.081 χ^2/NDF: 92509.6/27


diff_bpm_4aX_4eX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -12.578+/-3.063 χ²/NDF:30.9/10
Right Out: -10.807+/-5.192 χ²/NDF: 13.9/18
Left In: -1.311+/-3.308 χ²/NDF:7.3/8
+ sign -11.533+/-2.617 χ²/NDF: 53.6/26
All: -8.032+/-1.908 χ²/NDF: 81.0/54
- sign -4.053+/-2.790 χ²/NDF: 23.6/27


diff_bpm_4aX_4eX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8903.829+/-2.166 χ²/NDF:322565.8/10
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 9168.652+/-2.339 χ²/NDF:234585.0/8
+ sign 10049.252+/-1.850 χ²/NDF: 2041187.9/26
All: 10278.475+/-1.350 χ²/NDF: 4008472.9/5
- sign 10538.981+/-1.973 χ²/NDF: 1934496.3/27

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.447+/-0.144 χ^2/NDF:13.4/10

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

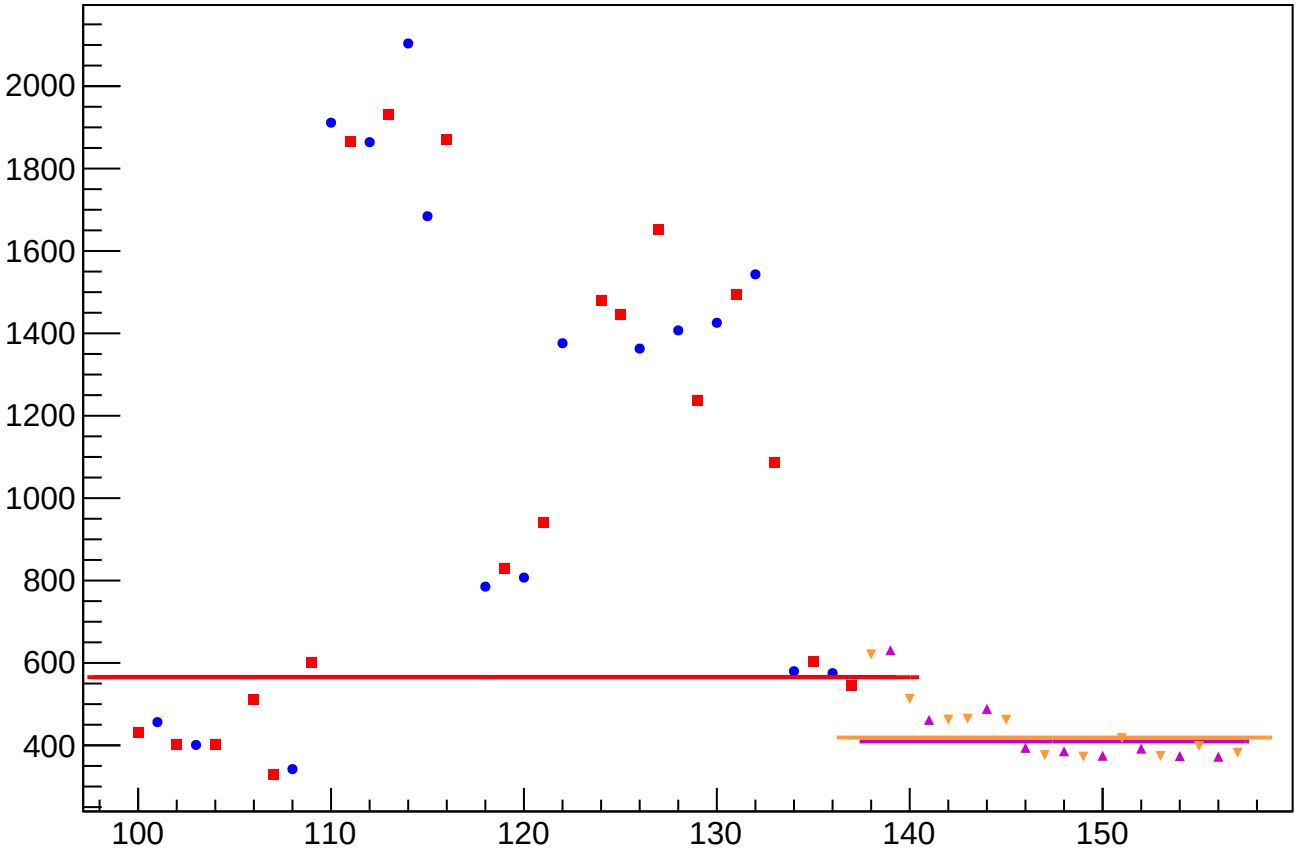
Left In: -0.036+/-0.148 χ^2/NDF:4.6/8

+ sign -0.416+/-0.124 χ^2/NDF: 26.2/26

All: -0.244+/-0.089 χ^2/NDF: 57.3/54

- sign -0.065+/-0.127 χ^2/NDF: 27.2/27

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 418.865+/-0.102 χ^2/NDF:346449.2/10

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

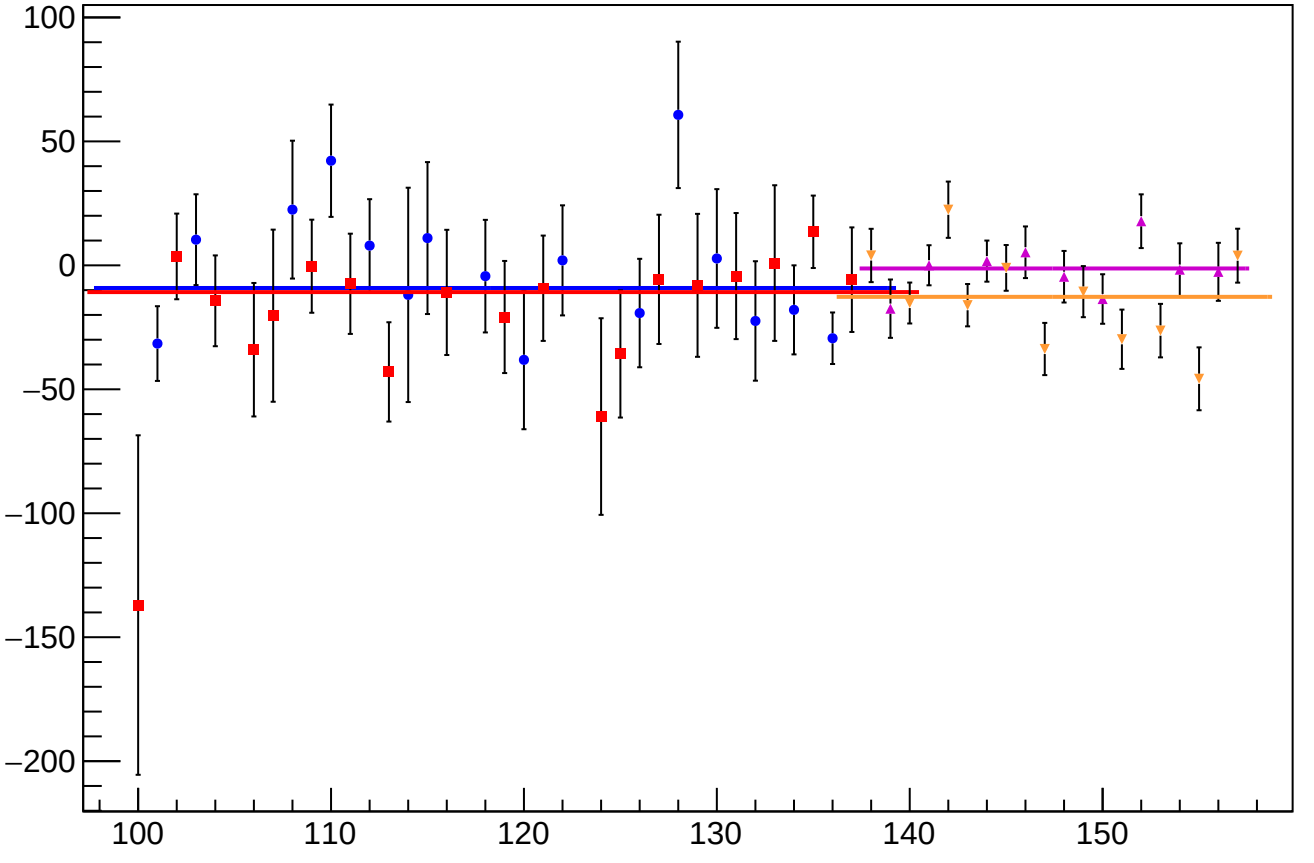
Left In: 409.389+/-0.105 χ^2/NDF:337560.3/8

+ sign 456.720+/-0.088 χ^2/NDF: 4332537.7/26

All: 454.027+/-0.063 χ^2/NDF: 8838651.9/54

- sign 451.220+/-0.090 χ^2/NDF: 4504188.1/27

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.706+/-3.082 χ^2/NDF:30.7/10

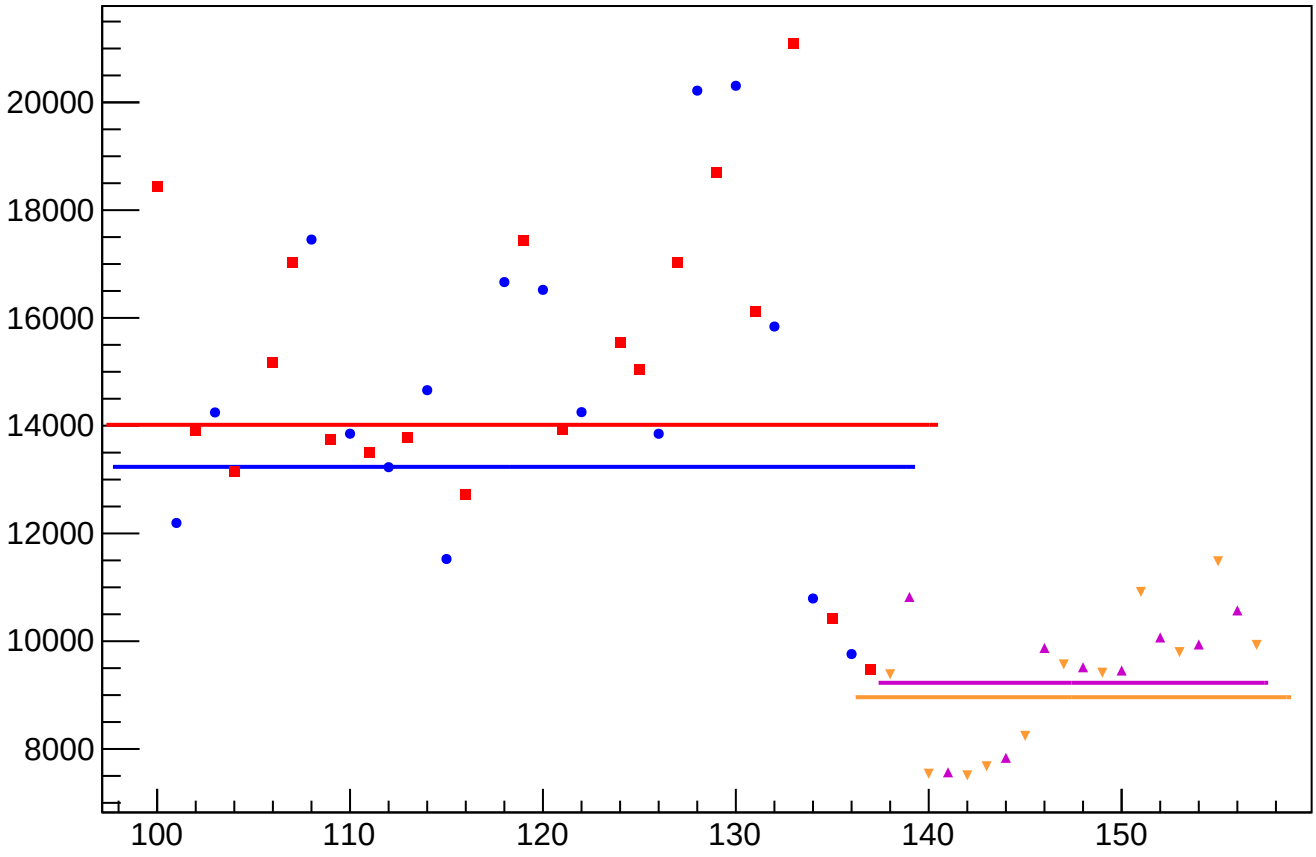
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: -1.260+/-3.329 χ^2/NDF:7.2/8

+ sign -11.741+/-2.634 χ^2/NDF: 53.8/26

All: -8.122+/-1.921 χ^2/NDF: 81.0/54

- sign -4.009+/-2.808 χ^2/NDF: 23.2/27



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8961.138+/-2.180 χ^2/NDF:323263.6/10

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

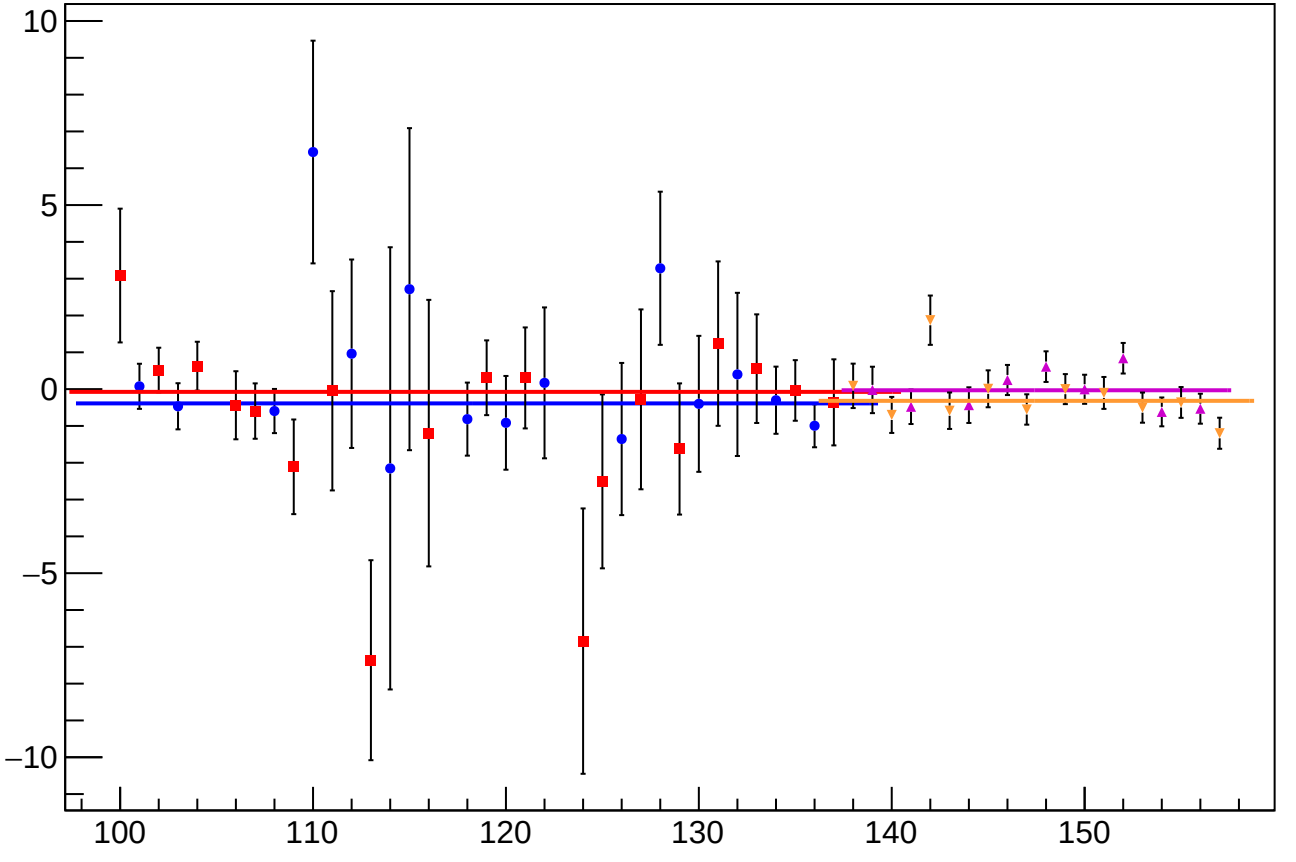
Left In: 9228.388+/-2.354 χ^2/NDF:235147.3/8

+ sign 10115.054+/-1.862 χ^2/NDF: 2035416.5/26

All: 10346.675+/-1.358 χ^2/NDF: 3995728.9/5

- sign 10609.973+/-1.986 χ^2/NDF: 1927261.5/27

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.318+/-0.139 χ^2/NDF:18.2/10

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

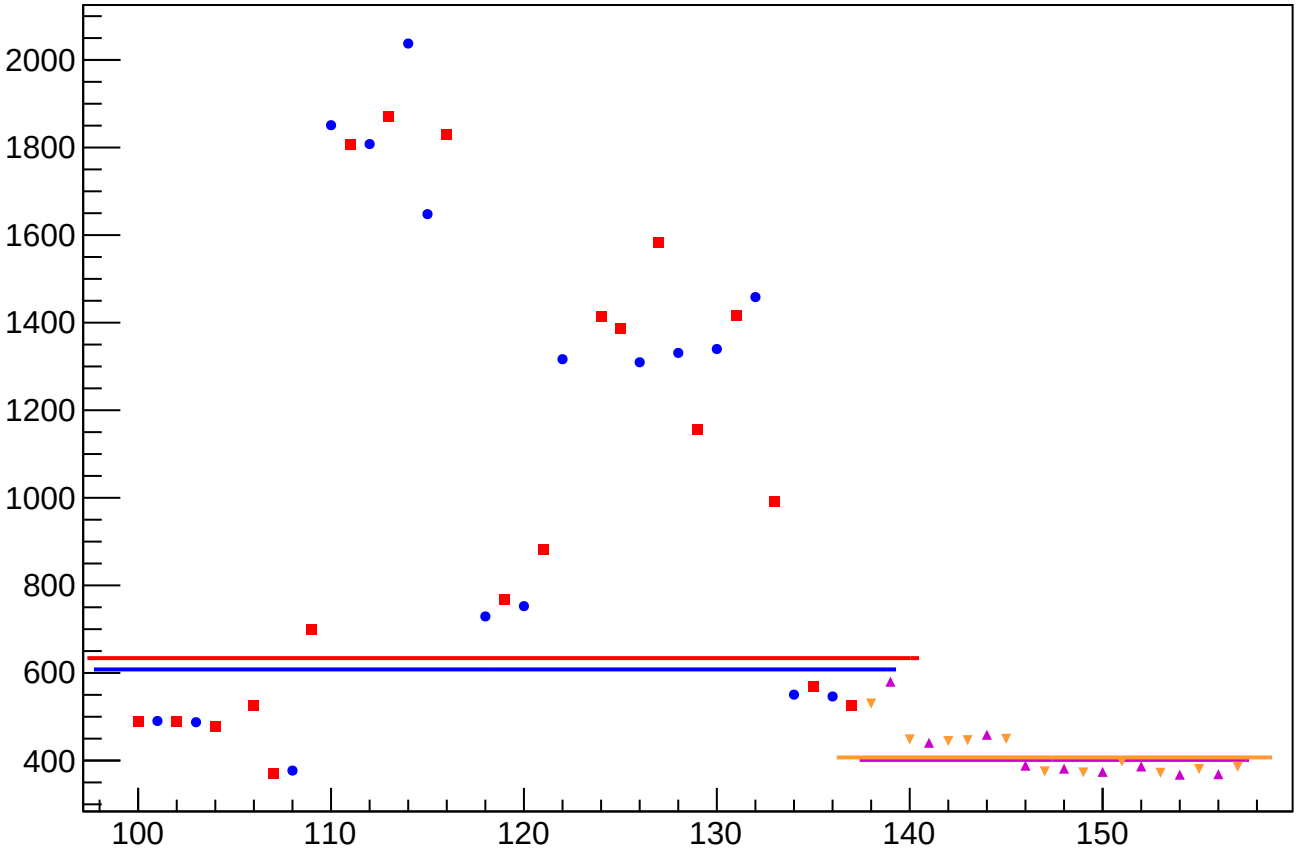
Left In: -0.031+/-0.145 χ^2/NDF:12.6/8

+ sign -0.334+/-0.122 χ^2/NDF: 29.9/26

All: -0.193+/-0.088 χ^2/NDF: 67.0/54

- sign -0.041+/-0.127 χ^2/NDF: 34.3/27

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 407.058+/-0.098 χ^2/NDF:185248.9/10

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

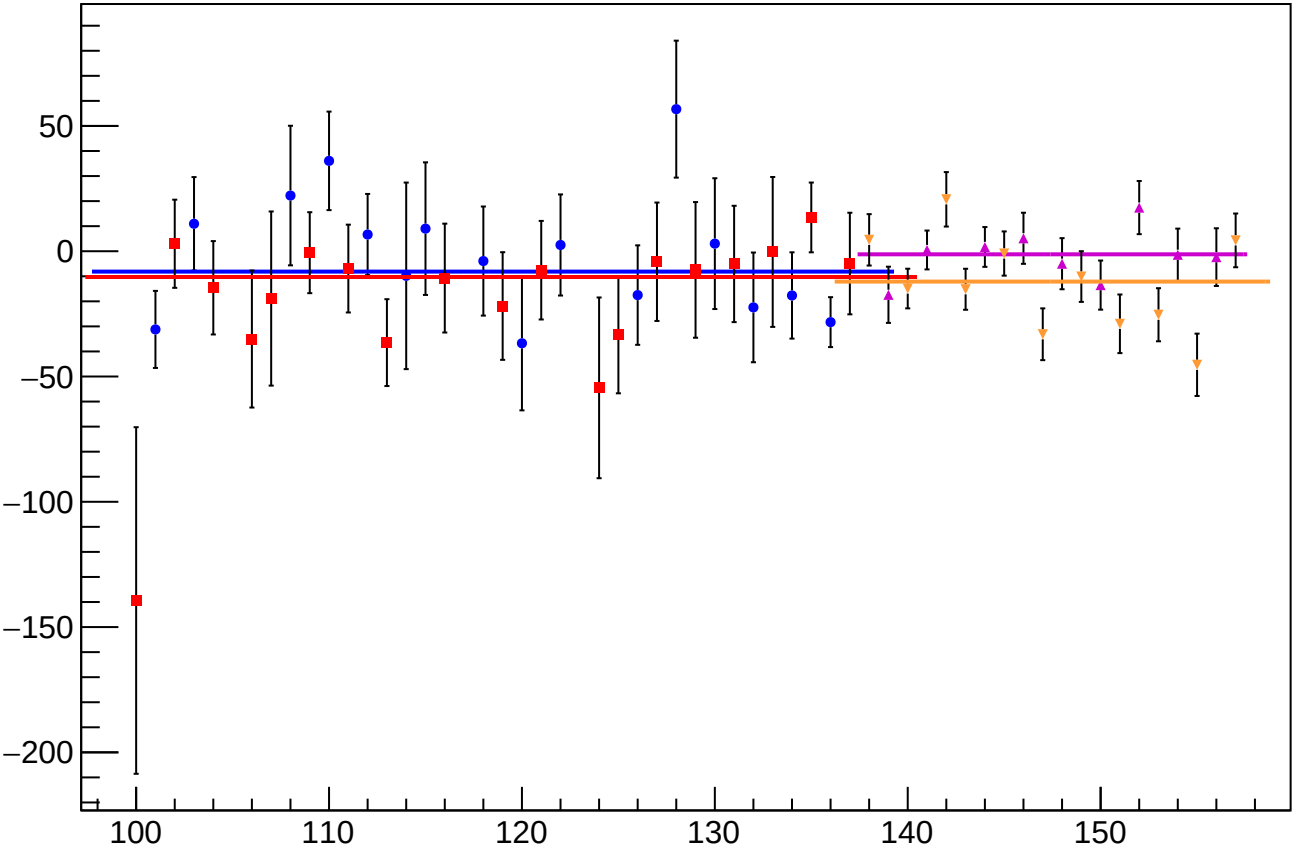
Left In: 401.480+/-0.102 χ^2/NDF:248914.6/8

+ sign 452.942+/-0.086 χ^2/NDF: 3991733.0/26

All: 453.911+/-0.062 χ^2/NDF: 8217932.5/54

- sign 454.957+/-0.090 χ^2/NDF: 4225937.6/27

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.117+/-2.985 χ^2/NDF:30.9/10

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

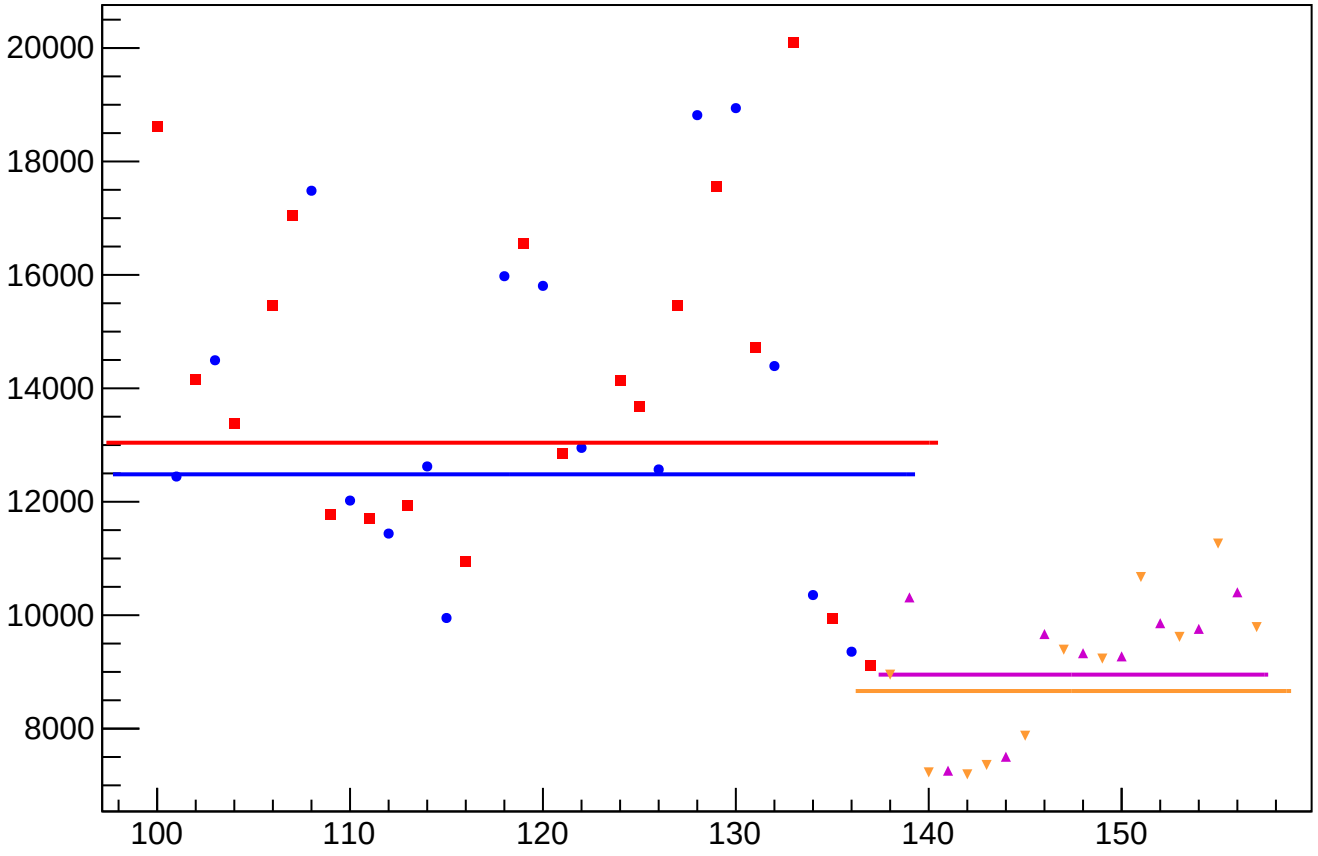
Left In: -1.232+/-3.233 χ^2/NDF:7.5/8

+ sign -10.999+/-2.531 χ^2/NDF: 54.6/26

All: -7.716+/-1.845 χ^2/NDF: 81.7/54

- sign -3.999+/-2.694 χ^2/NDF: 23.5/27

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8663.213+/-2.110 χ^2/NDF:371762.5/10

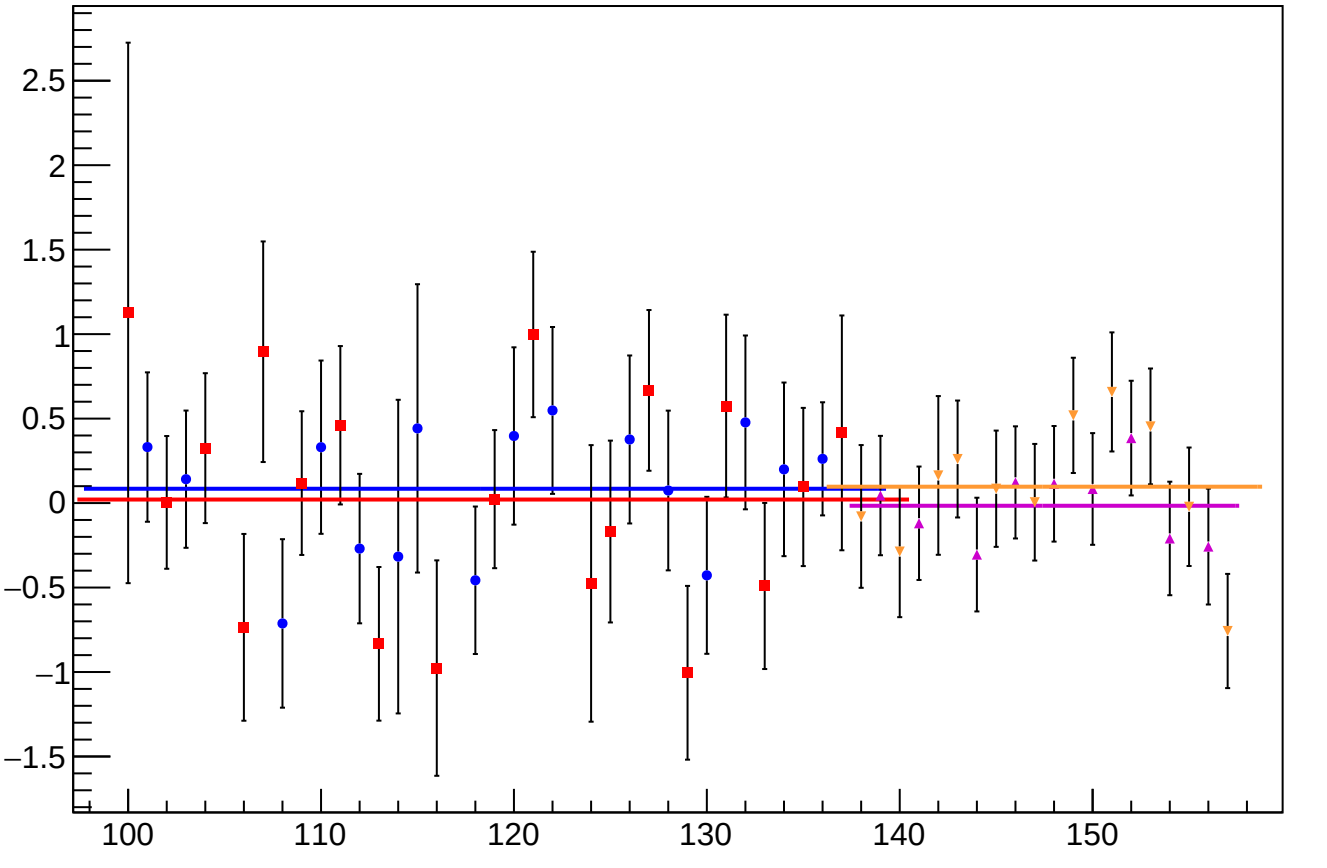
Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8952.185+/-2.286 χ^2/NDF:264527.1/8

+ sign 9735.222+/-1.790 χ^2/NDF: 1962967.5/26

All: 9953.926+/-1.304 χ^2/NDF: 3781626.1/54

- sign 10201.586+/-1.905 χ^2/NDF: 1786826.2/27



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.097+/-0.109 χ^2/NDF:13.1/10

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

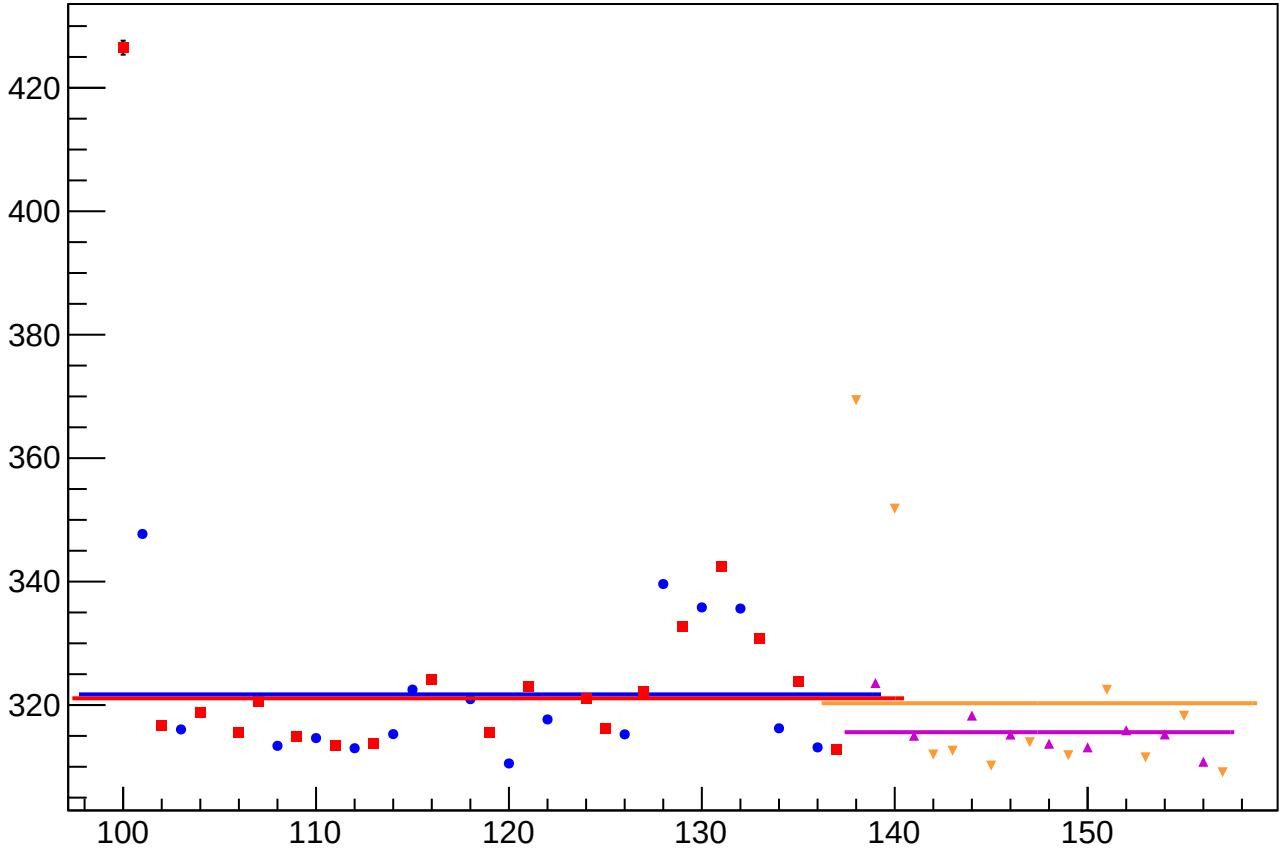
Left In: -0.016+/-0.113 χ^2/NDF:3.5/8

+ sign 0.091+/-0.081 χ^2/NDF: 22.5/26

All: 0.047+/-0.057 χ^2/NDF: 50.9/54

- sign 0.002+/-0.081 χ^2/NDF: 27.8/27

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.291+/-0.077 χ^2/NDF:49075.3/10

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

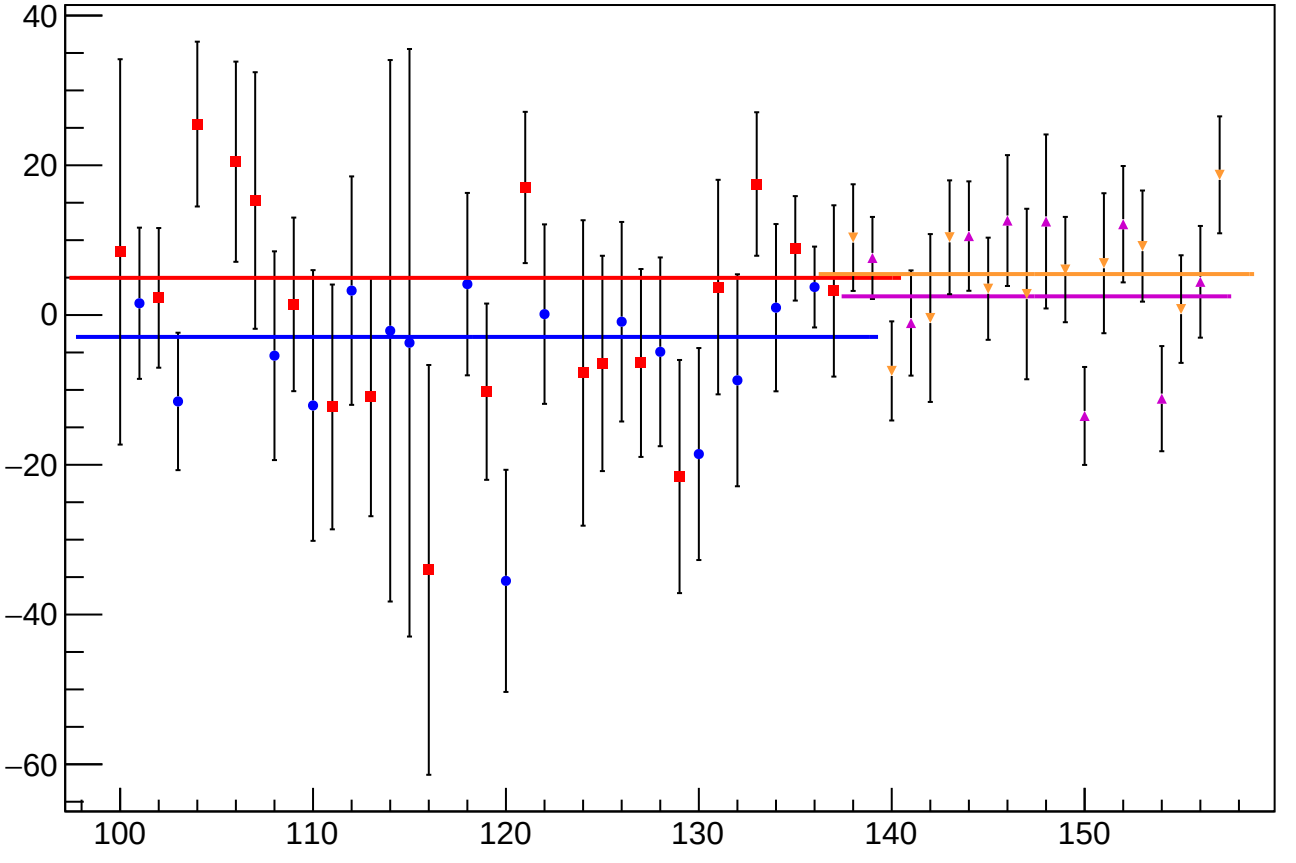
Left In: 315.602+/-0.080 χ^2/NDF:1718.8/8

+ sign 320.940+/-0.057 χ^2/NDF: 67446.6/26

All: 319.598+/-0.041 χ^2/NDF: 89128.8/54

- sign 318.236+/-0.058 χ^2/NDF: 20570.3/27

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 5.472+/-2.340 χ^2/NDF:8.7/10

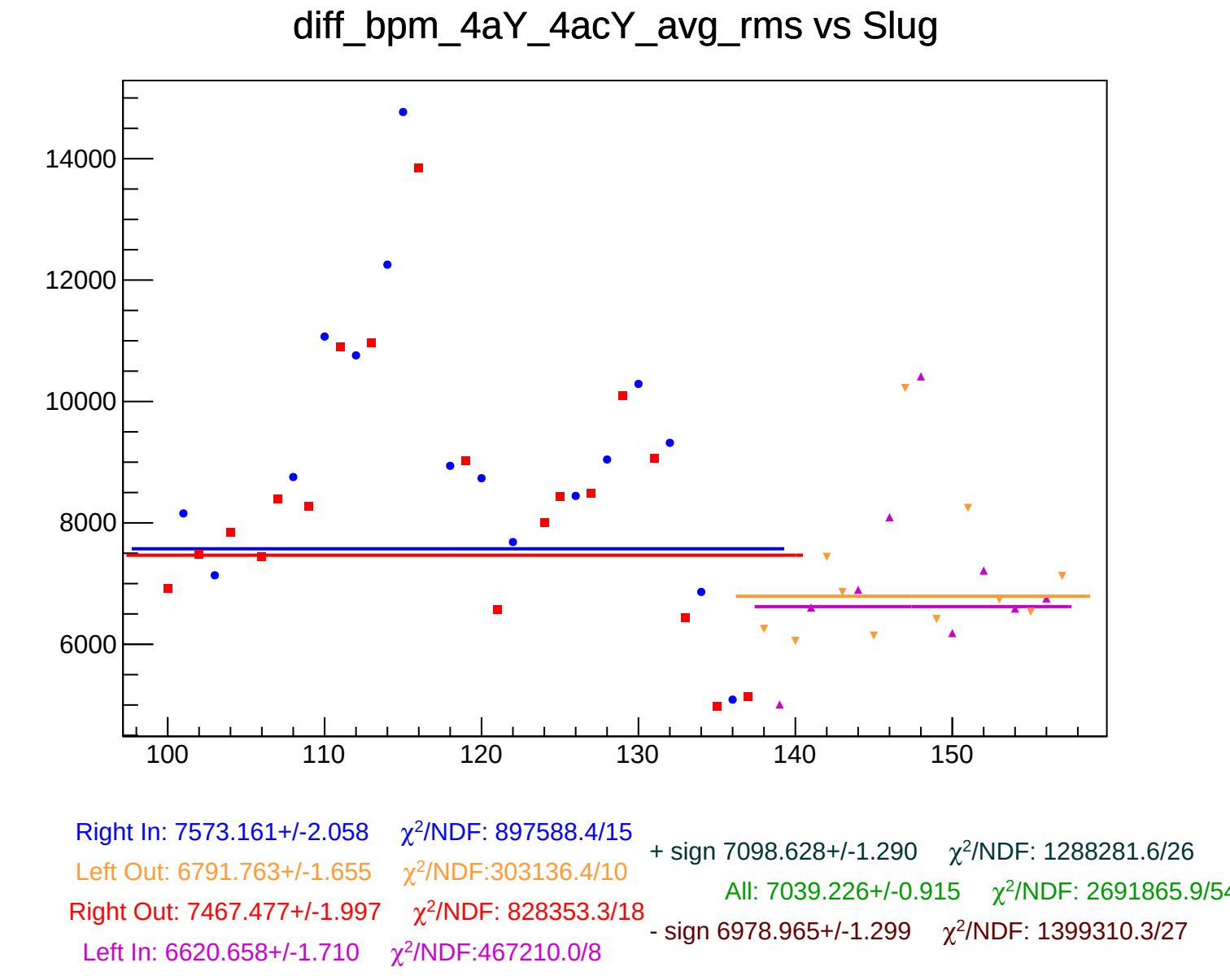
Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 2.498+/-2.419 χ^2/NDF:15.8/8

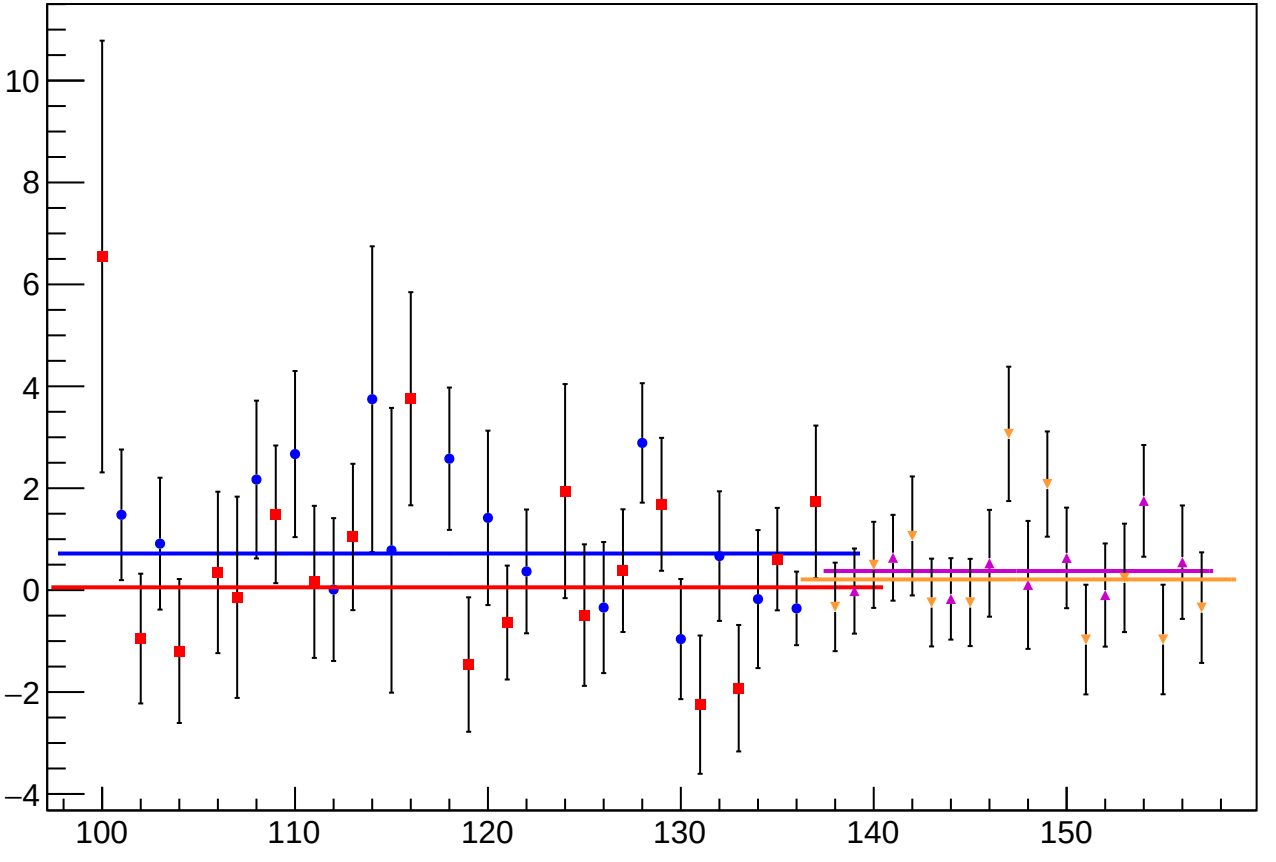
+ sign 2.175+/-1.824 χ^2/NDF: 23.6/26

All: 2.854+/-1.294 χ^2/NDF: 59.5/54

- sign 3.542+/-1.837 χ^2/NDF: 35.6/27


diff_bpm_4aY_4acY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6791.763+/-1.655 χ²/NDF:303136.4/10
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6620.658+/-1.710 χ²/NDF:467210.0/8
+ sign 7098.628+/-1.290 χ²/NDF: 1288281.6/26
All: 7039.226+/-0.915 χ²/NDF: 2691865.9/54
- sign 6978.965+/-1.299 χ²/NDF: 1399310.3/27

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.210+/-0.300 χ^2/NDF:12.2/10

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

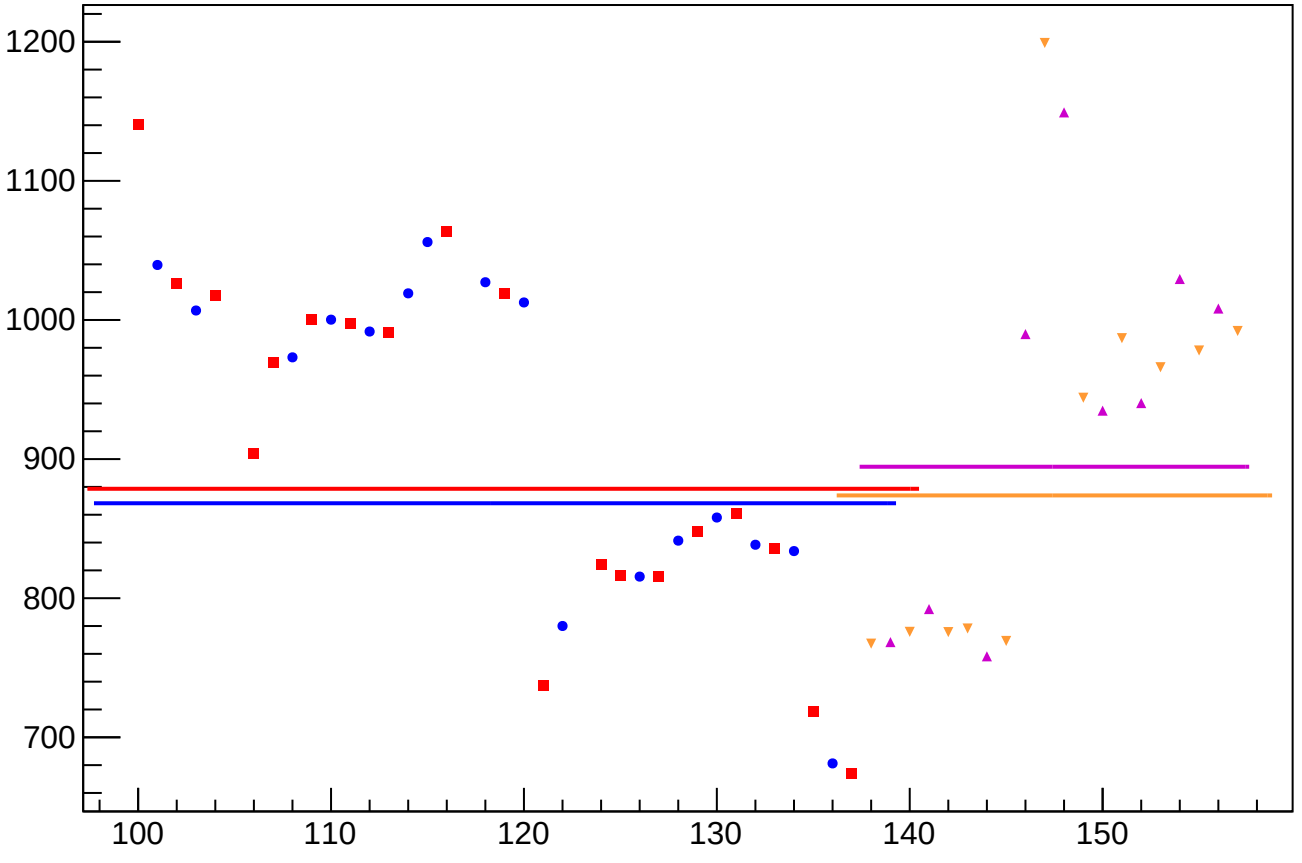
Left In: 0.375+/-0.323 χ^2/NDF:2.7/8

+ sign 0.443+/-0.221 χ^2/NDF: 28.3/26

All: 0.333+/-0.159 χ^2/NDF: 51.9/54

- sign 0.216+/-0.228 χ^2/NDF: 23.0/27

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 873.884+/-0.212 χ^2/NDF:336191.2/10

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

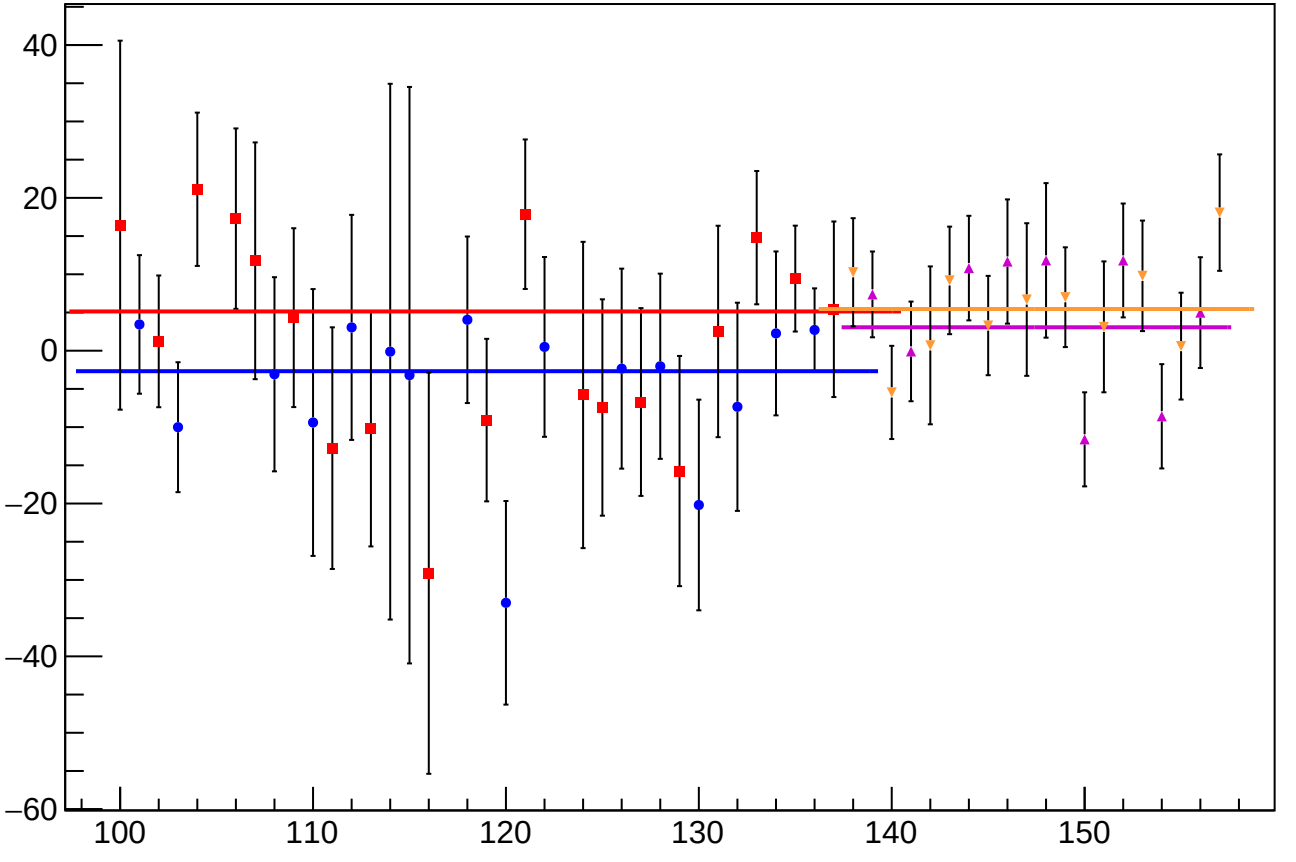
Left In: 894.503+/-0.228 χ^2/NDF:290719.8/8

+ sign 871.305+/-0.156 χ^2/NDF: 638924.5/26

All: 878.680+/-0.112 χ^2/NDF: 1209216.3/54

- sign 886.594+/-0.162 χ^2/NDF: 565655.7/27

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 5.456+/-2.214 χ^2/NDF:8.0/10

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

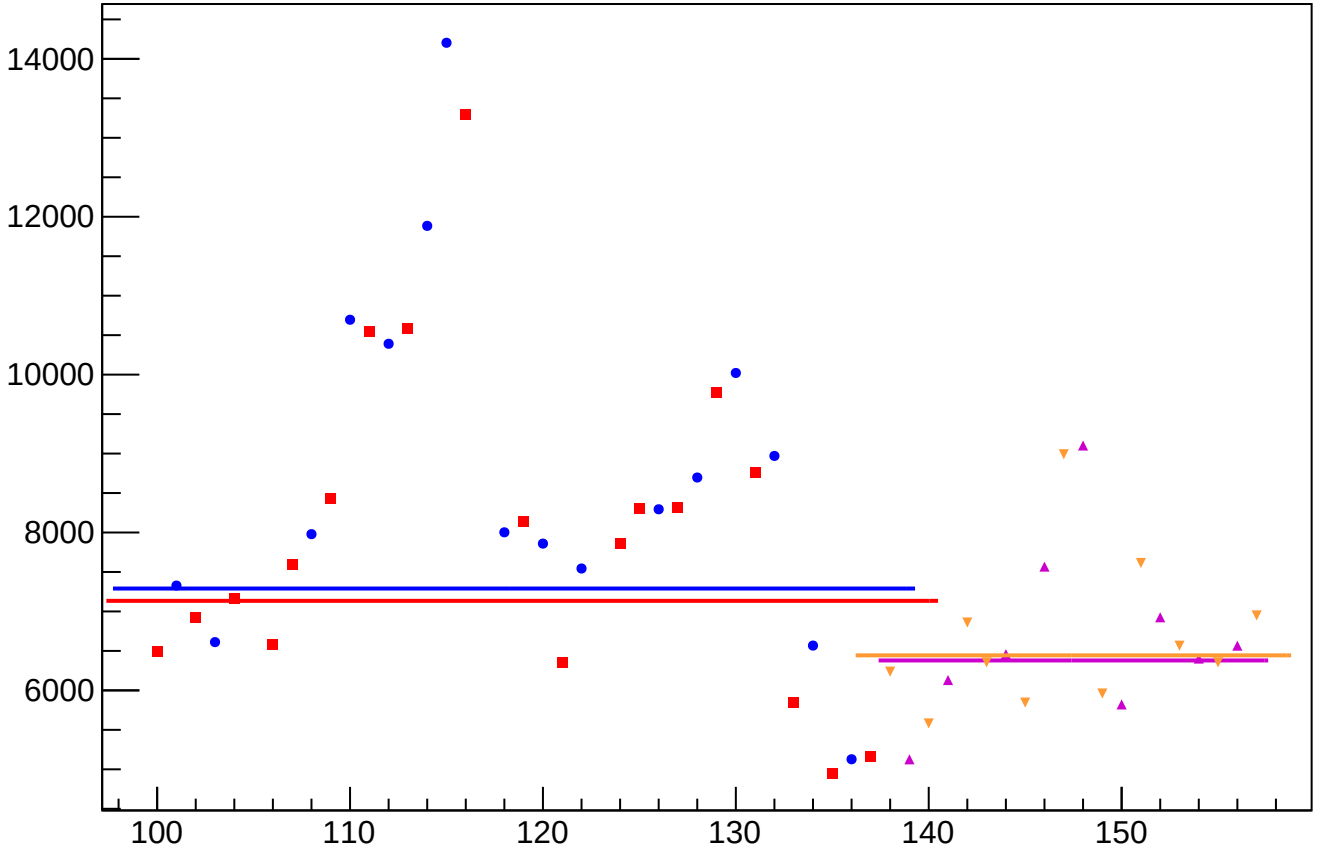
Left In: 3.065+/-2.316 χ^2/NDF:14.0/8

+ sign 2.308+/-1.734 χ^2/NDF: 23.3/26

All: 3.117+/-1.234 χ^2/NDF: 55.3/54

- sign 3.946+/-1.756 χ^2/NDF: 31.6/27

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6443.782+/-1.566 χ^2/NDF:250352.9/10

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

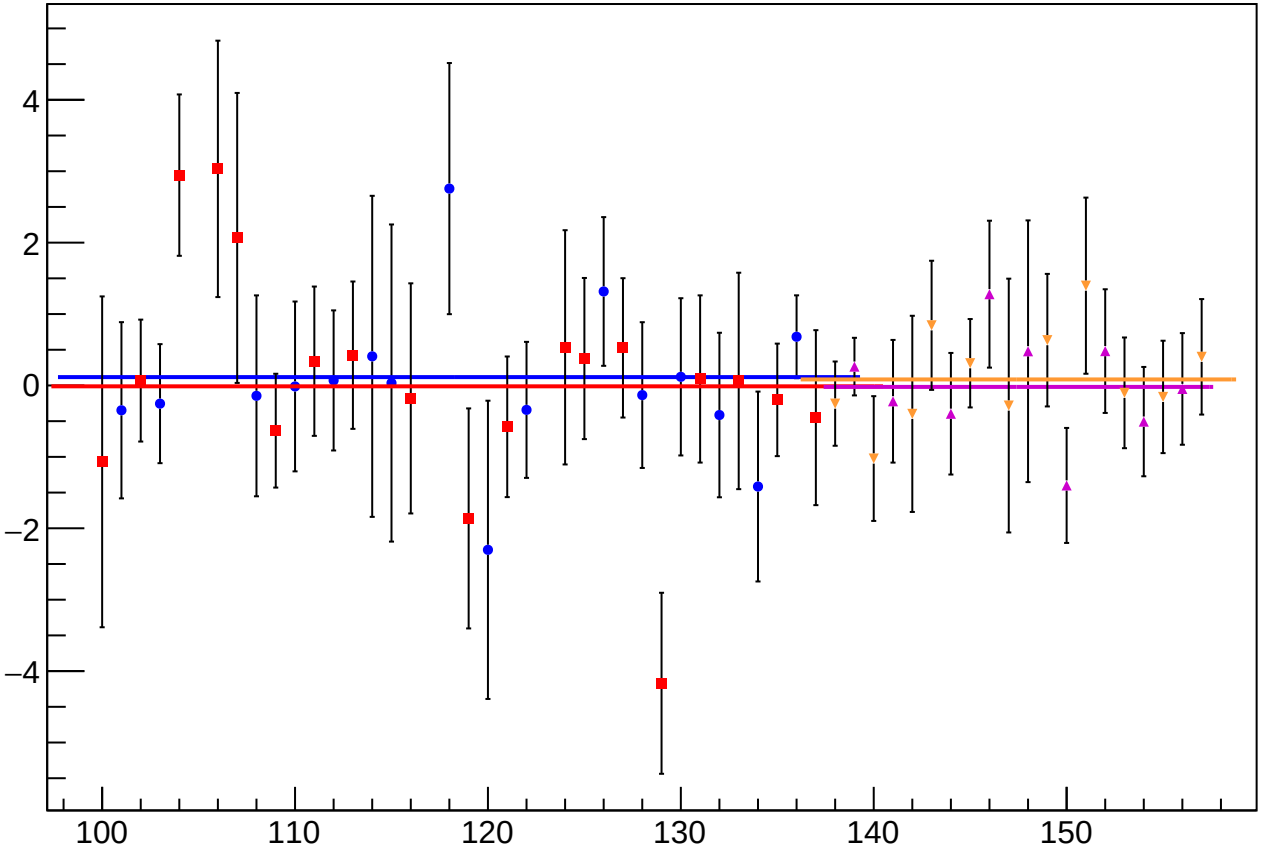
Left In: 6379.096+/-1.638 χ^2/NDF:319024.3/8

+ sign 6771.121+/-1.226 χ^2/NDF: 1133920.1/26

All: 6736.188+/-0.872 χ^2/NDF: 2337859.1/54

- sign 6700.372+/-1.241 χ^2/NDF: 1202294.7/27

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.084+/-0.254 χ^2/NDF:4.7/10

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

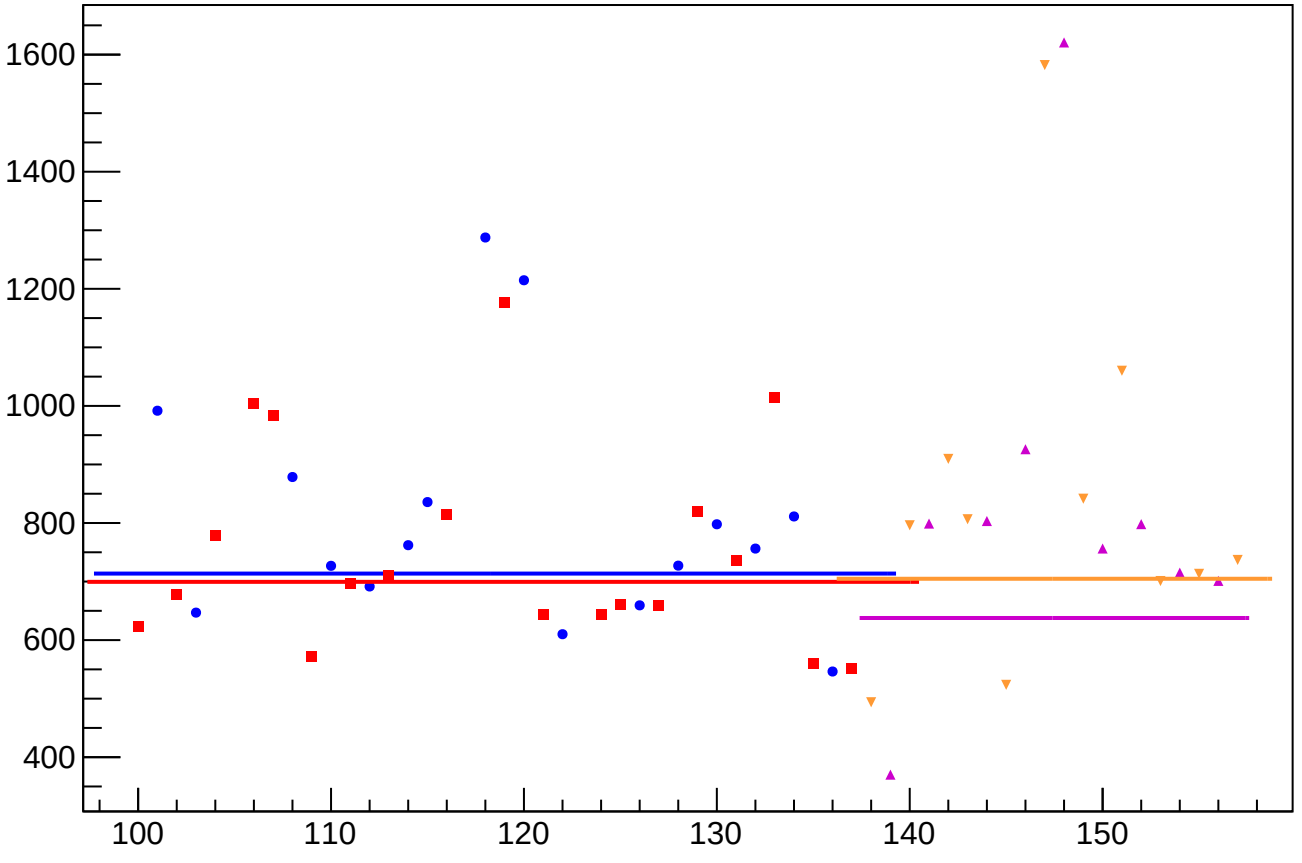
Left In: -0.020+/-0.247 χ^2/NDF:6.1/8

+ sign 0.100+/-0.186 χ^2/NDF: 12.9/26

All: 0.040+/-0.129 χ^2/NDF: 44.3/54

- sign -0.016+/-0.180 χ^2/NDF: 31.3/27

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 704.768+/-0.180 χ^2/NDF:1219073.6/10

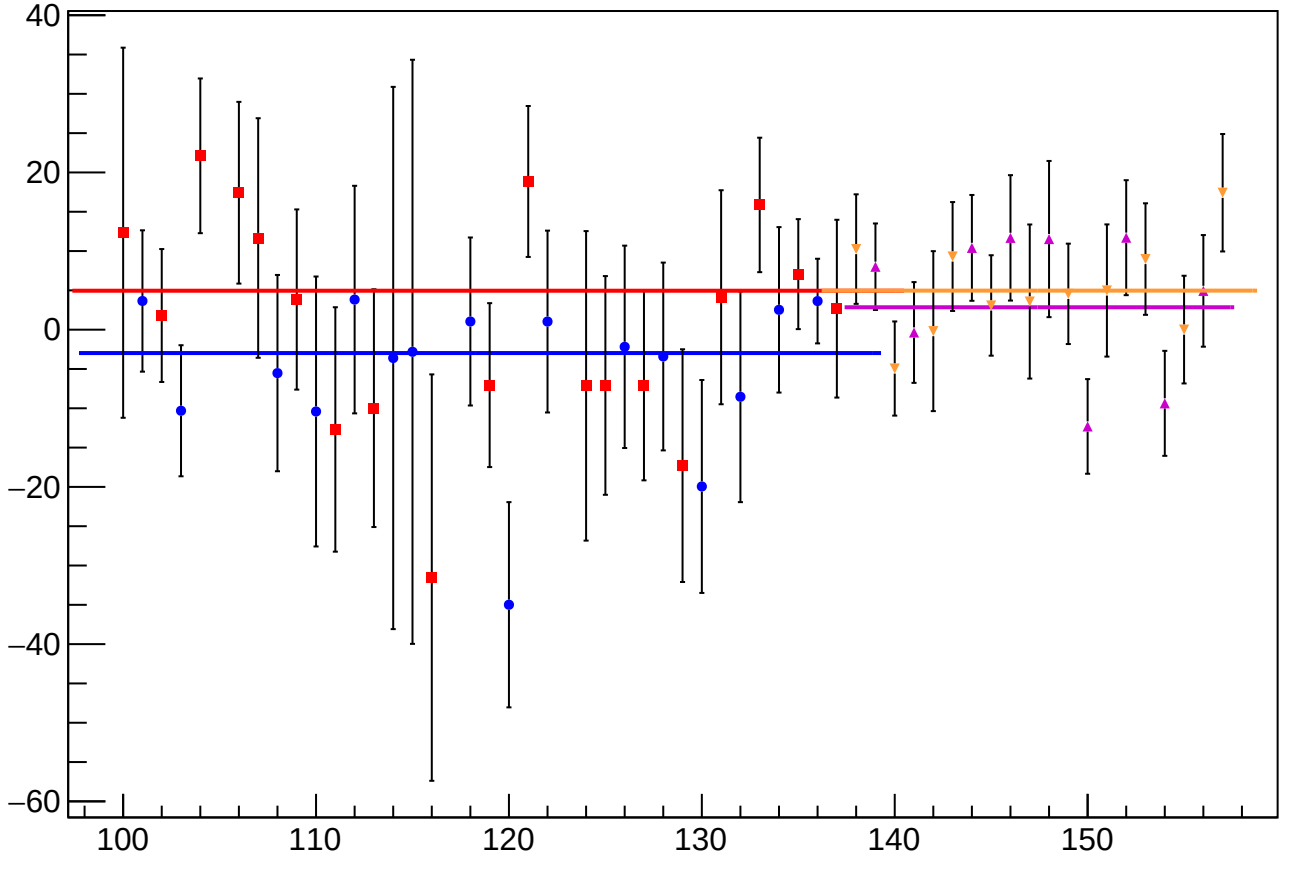
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 637.762+/-0.175 χ^2/NDF:1904780.7/8

+ sign 708.878+/-0.132 χ^2/NDF: 1919505.3/26

All: 687.129+/-0.092 χ^2/NDF: 4511471.9/54

- sign 666.715+/-0.127 χ^2/NDF: 2538980.8/27



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.968+/-2.173 χ^2/NDF:7.7/10

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

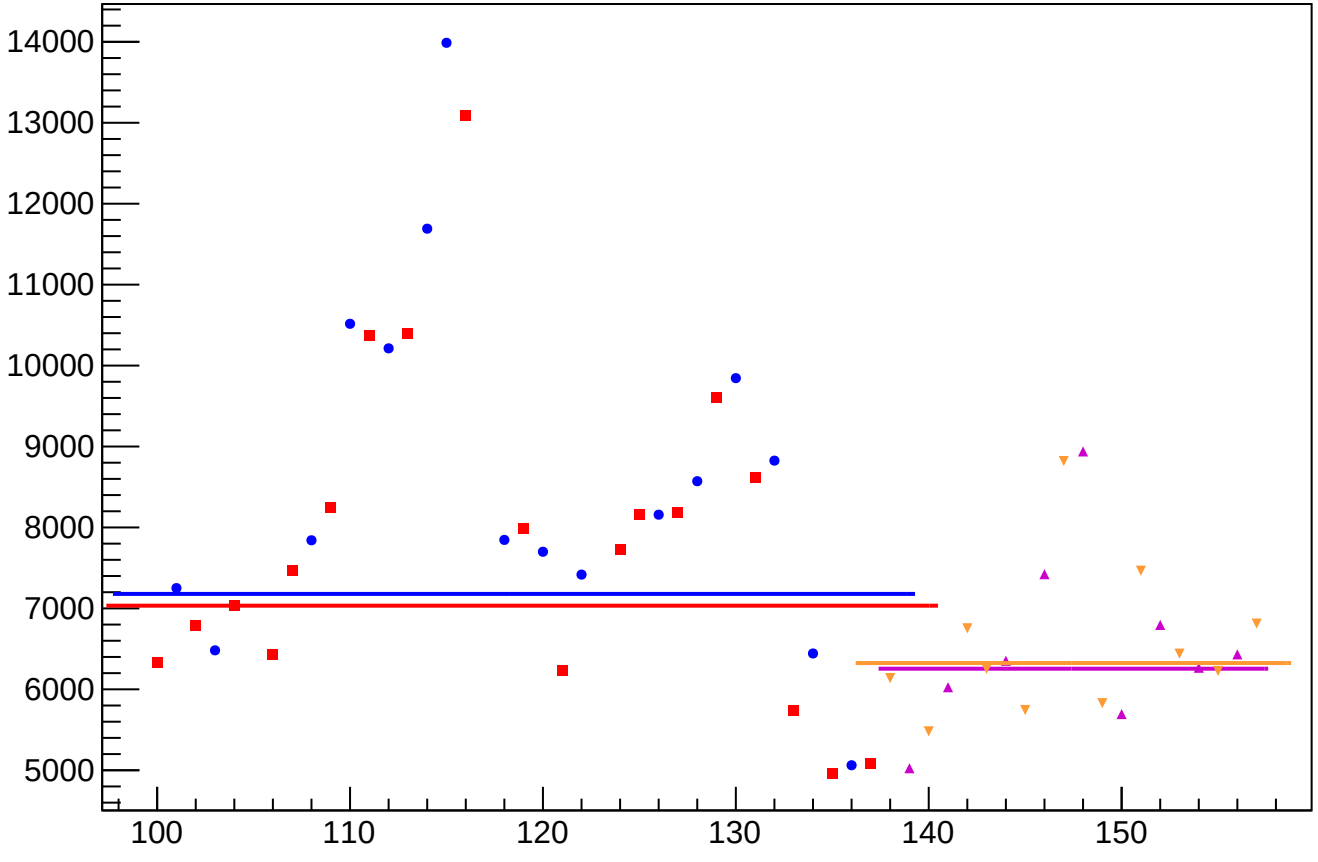
Left In: 2.850+/-2.271 χ^2/NDF:15.6/8

+ sign 1.909+/-1.704 χ^2/NDF: 24.4/26

All: 2.814+/-1.213 χ^2/NDF: 59.4/54

- sign 3.741+/-1.725 χ^2/NDF: 34.4/27

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6324.822+/-1.537 χ^2/NDF:249432.1/10

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

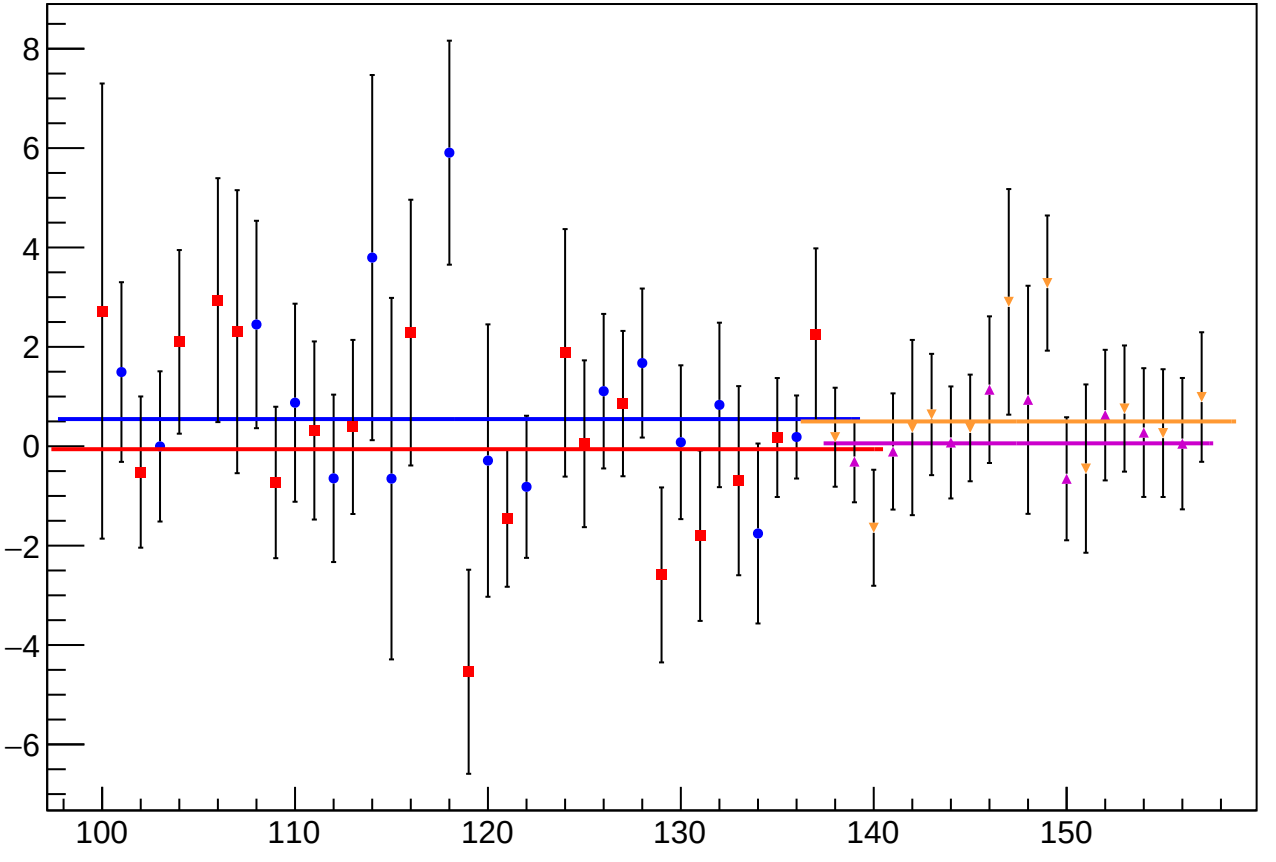
Left In: 6254.824+/-1.606 χ^2/NDF:321246.4/8

+ sign 6653.787+/-1.205 χ^2/NDF: 1130327.0/26

All: 6619.410+/-0.857 χ^2/NDF: 2319030.1/54

- sign 6584.170+/-1.220 χ^2/NDF: 1187055.1/27

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.499+/-0.392 χ^2/NDF:9.3/10

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

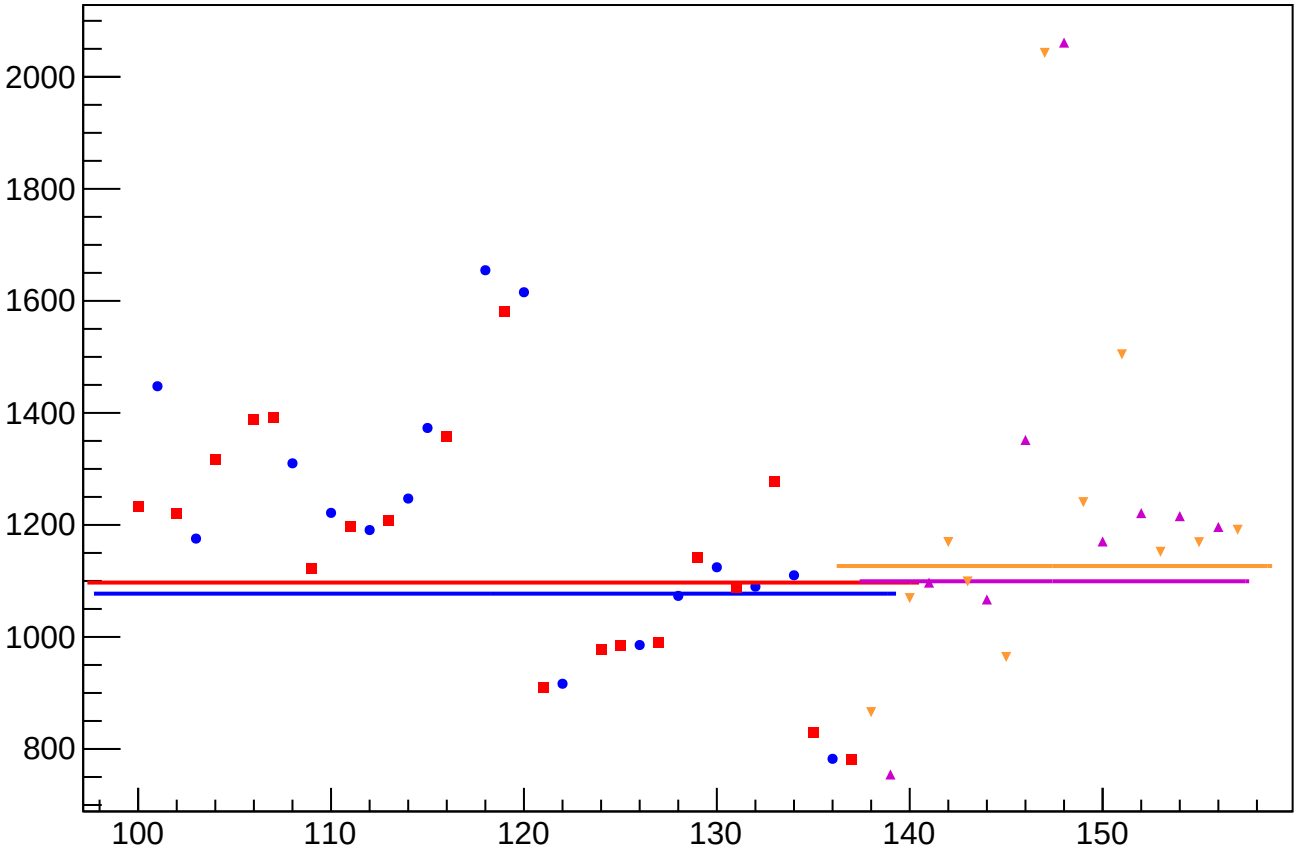
Left In: 0.059+/-0.406 χ^2/NDF:1.4/8

+ sign 0.522+/-0.284 χ^2/NDF: 21.3/26

All: 0.265+/-0.202 χ^2/NDF: 41.3/54

- sign 0.000+/-0.288 χ^2/NDF: 18.4/27

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1126.641+/-0.277 χ^2/NDF:637149.1/10

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

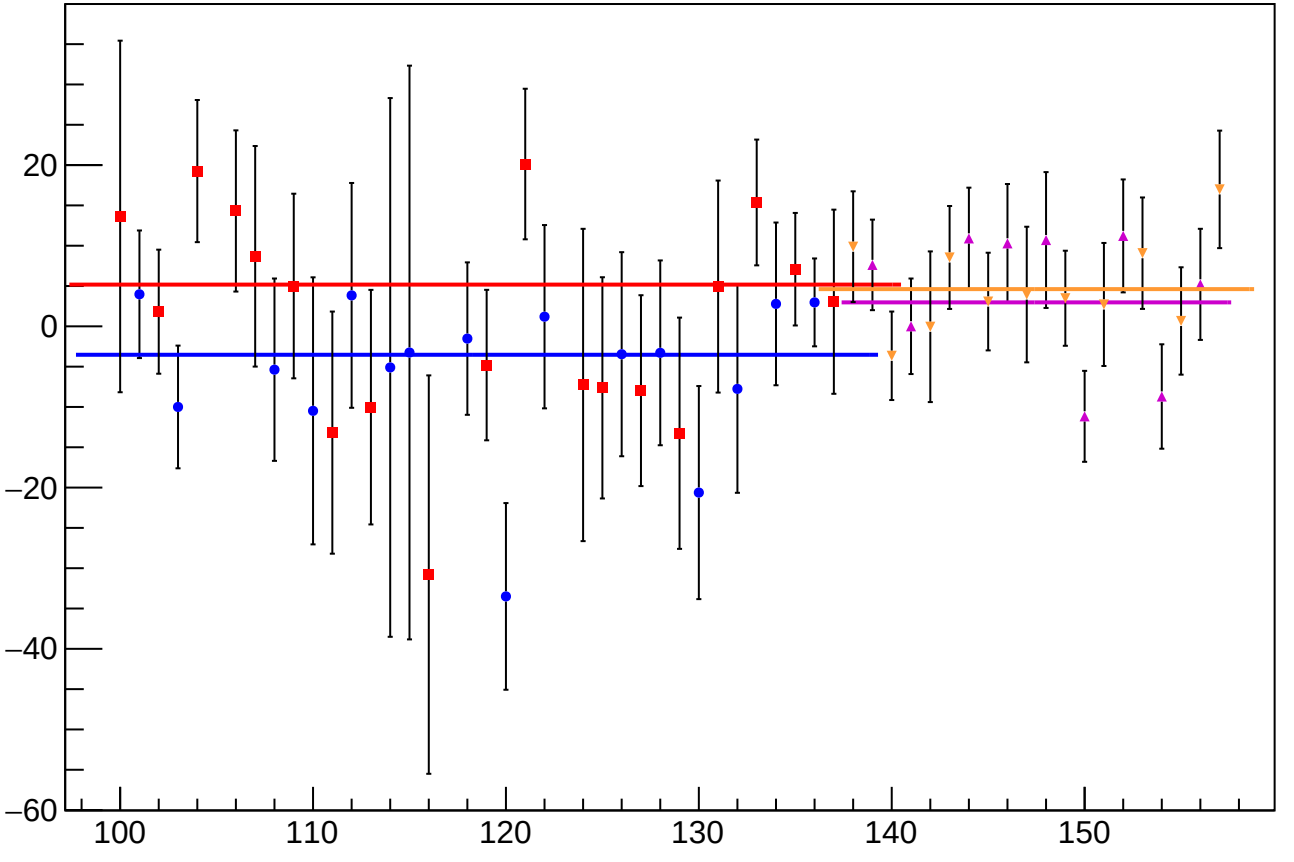
Left In: 1099.406+/-0.287 χ^2/NDF:815871.4/8

+ sign 1103.117+/-0.201 χ^2/NDF: 1298756.9/26

All: 1100.729+/-0.143 χ^2/NDF: 2599318.8/54

- sign 1098.264+/-0.204 χ^2/NDF: 1300273.9/27

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.616+/-2.041 χ^2/NDF:7.3/10

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

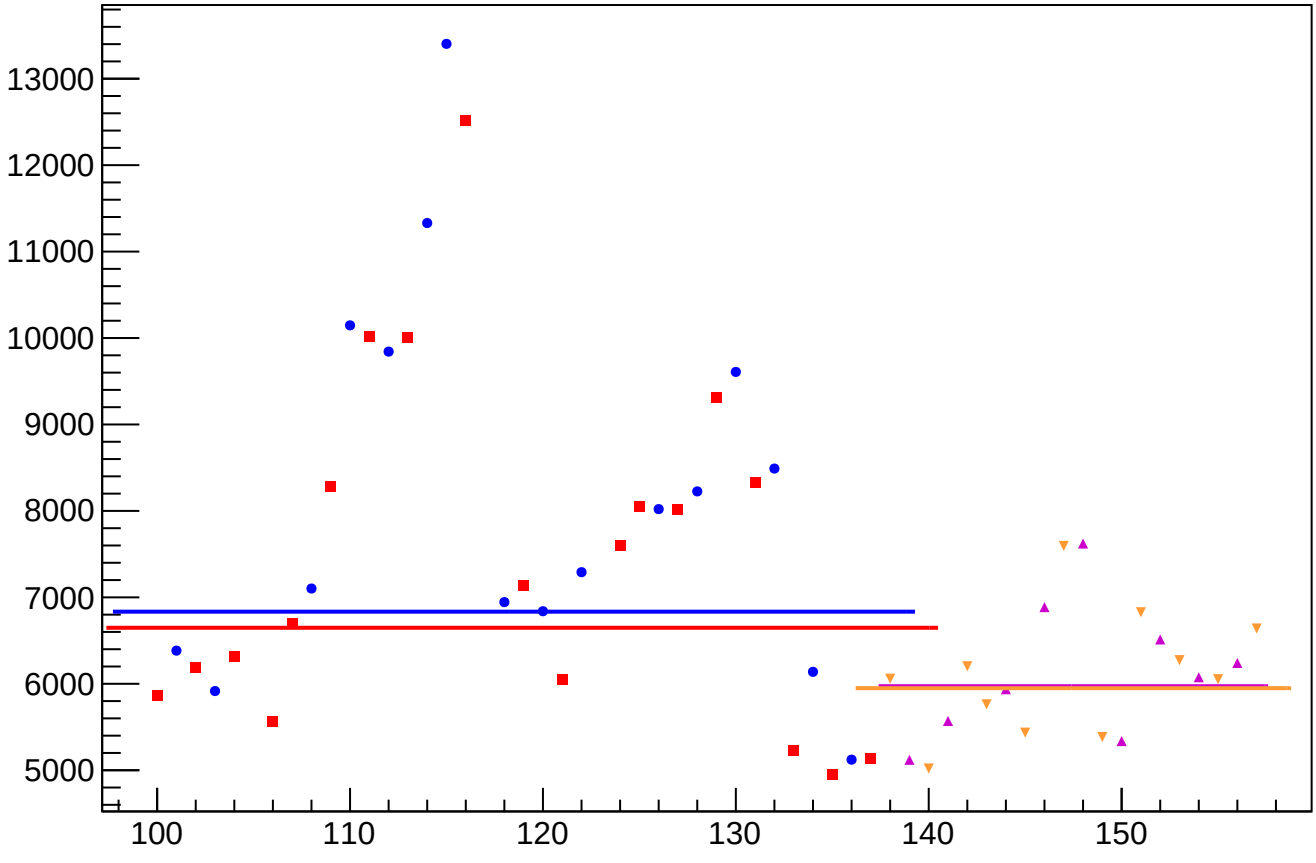
Left In: 2.971+/-2.158 χ^2/NDF:15.4/8

+ sign 1.523+/-1.607 χ^2/NDF: 26.0/26

All: 2.695+/-1.147 χ^2/NDF: 61.1/54

- sign 3.909+/-1.636 χ^2/NDF: 34.0/27

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5949.222+/-1.443 χ^2/NDF:219736.8/10

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

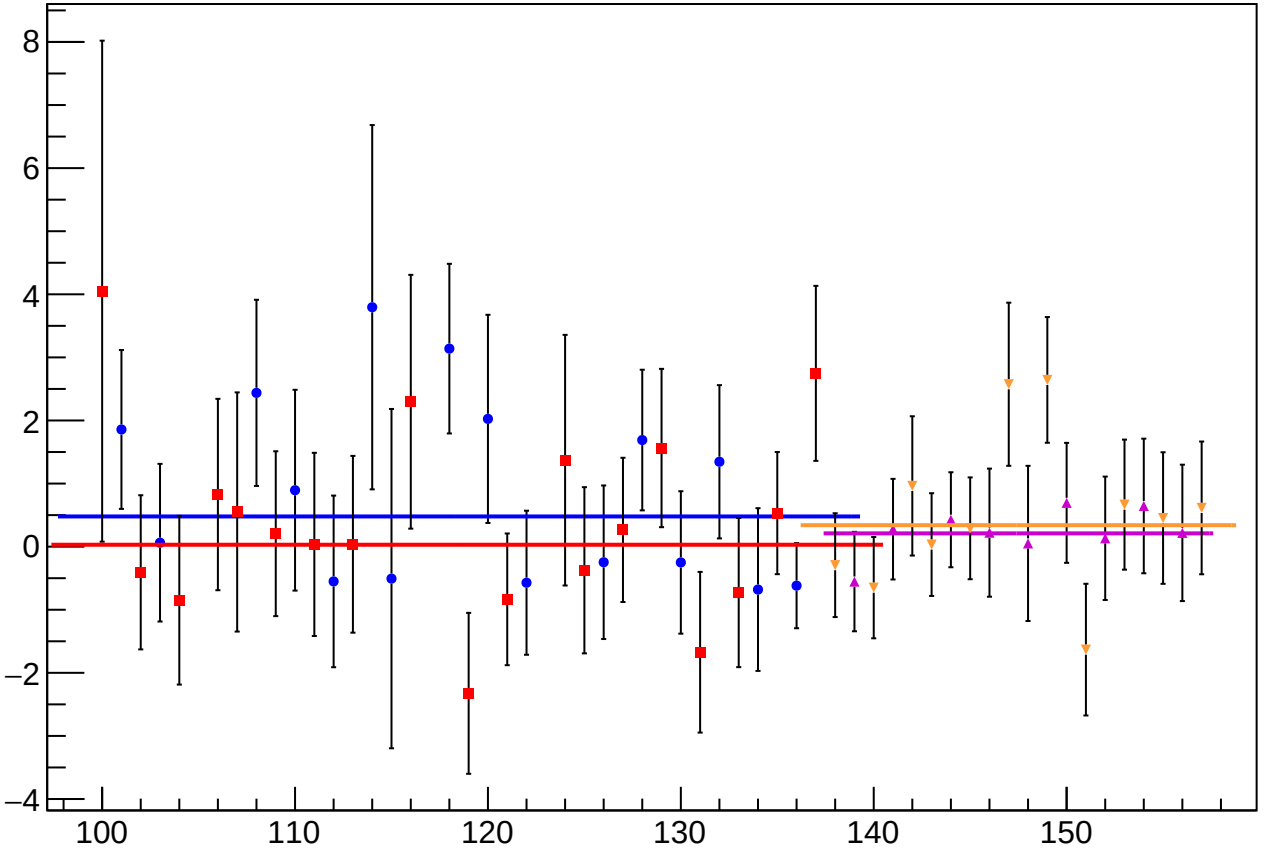
Left In: 5972.296+/-1.526 χ^2/NDF:203710.3/8

+ sign 6285.391+/-1.137 χ^2/NDF: 1055317.6/26

All: 6272.805+/-0.811 χ^2/NDF: 2127792.4/54

- sign 6259.769+/-1.157 χ^2/NDF: 1072225.3/27

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.341+/-0.287 χ^2/NDF:14.7/10

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

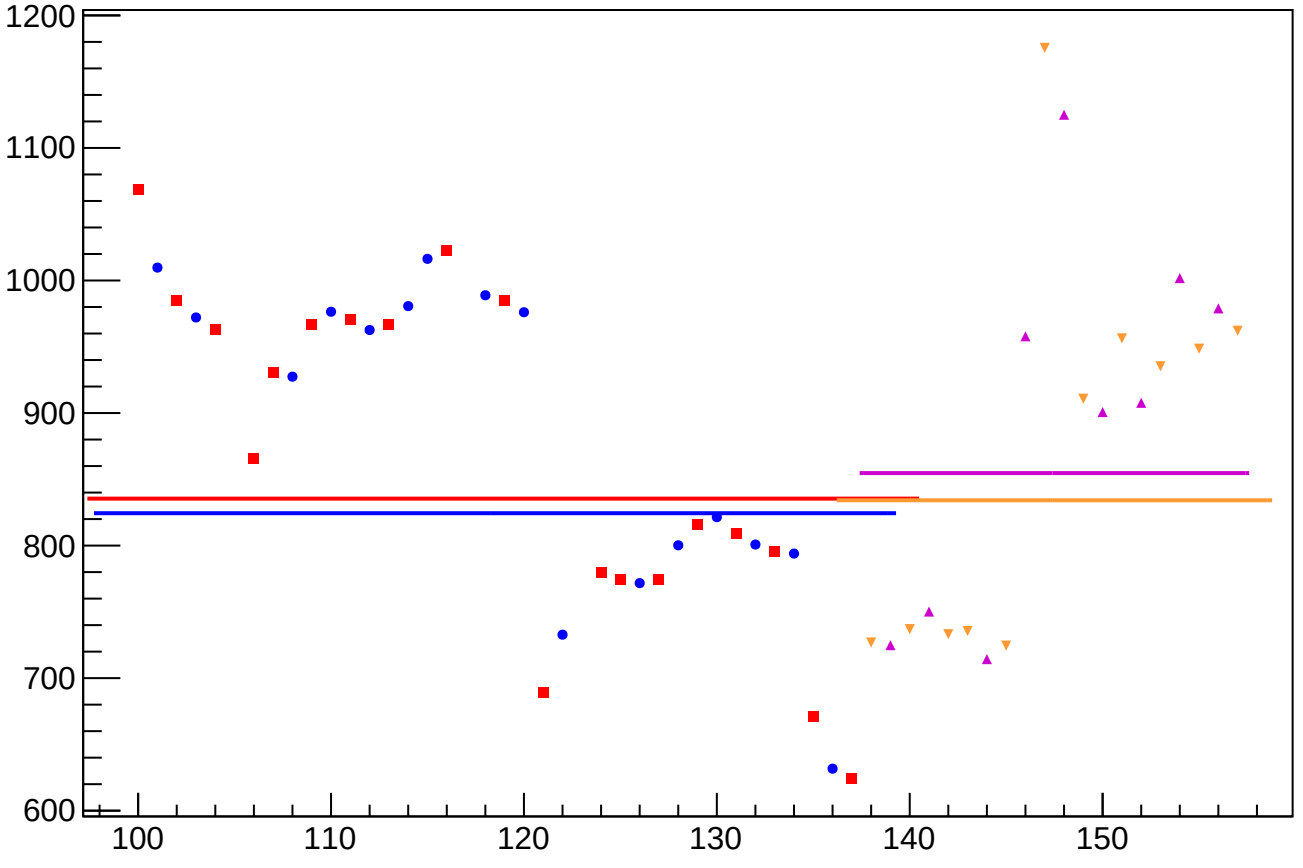
Left In: 0.211+/-0.309 χ^2/NDF:1.5/8

+ sign 0.404+/-0.211 χ^2/NDF: 31.5/26

All: 0.267+/-0.152 χ^2/NDF: 49.7/54

- sign 0.120+/-0.218 χ^2/NDF: 17.4/27

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 834.191+/-0.203 χ^2/NDF:397823.3/10

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

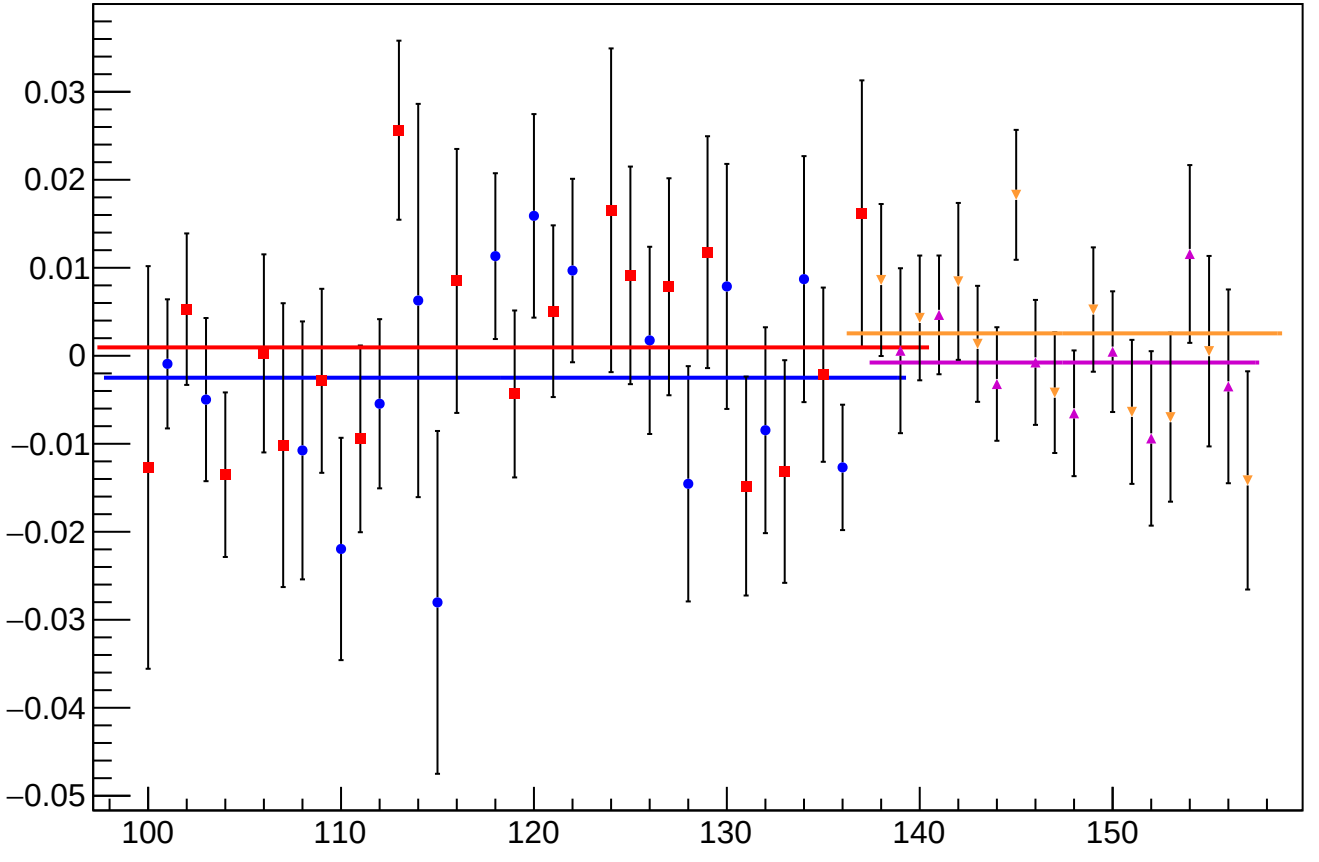
Left In: 854.696+/-0.219 χ^2/NDF:350513.3/8

+ sign 829.707+/-0.149 χ^2/NDF: 764351.3/26

All: 837.102+/-0.107 χ^2/NDF: 1443168.8/54

- sign 845.049+/-0.154 χ^2/NDF: 673704.4/27

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.002 χ^2/NDF:10.7/10

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

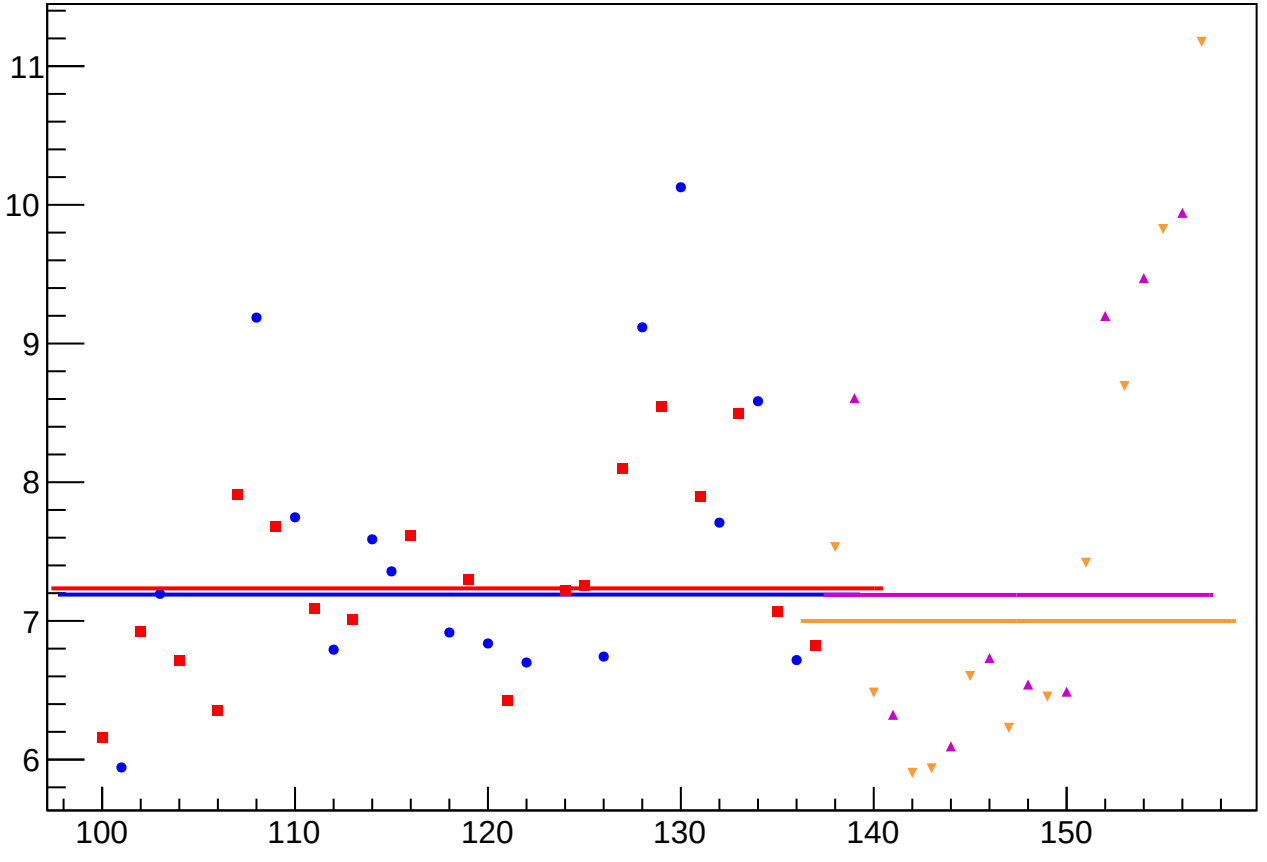
Left In: -0.001+/-0.003 χ^2/NDF:3.8/8

+ sign 0.000+/-0.002 χ^2/NDF: 27.9/26

All: 0.000+/-0.001 χ^2/NDF: 49.2/54

- sign 0.000+/-0.002 χ^2/NDF: 21.3/27

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.999+/-0.002 χ^2/NDF:574028.5/10

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

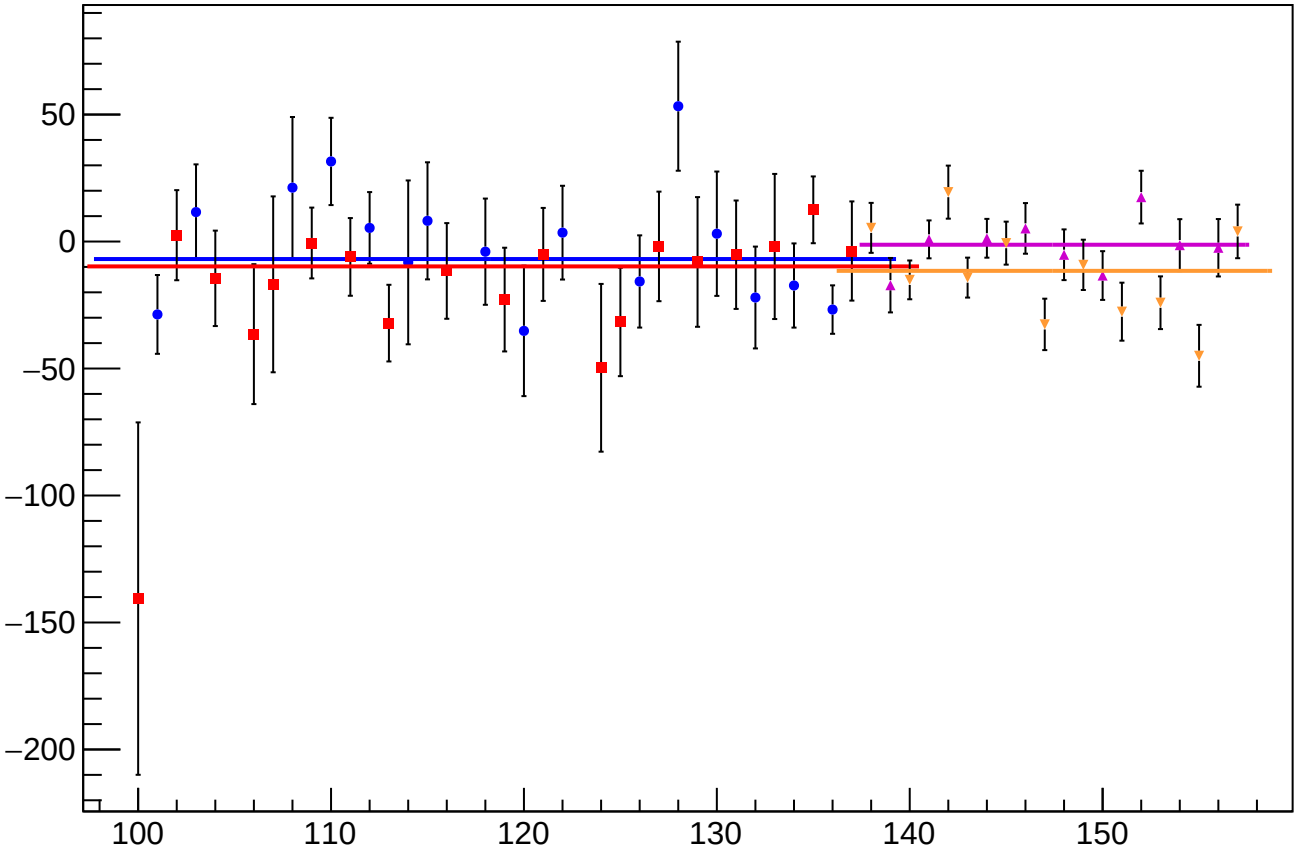
Left In: 7.187+/-0.002 χ^2/NDF:491061.9/8

+ sign 7.084+/-0.001 χ^2/NDF: 857164.5/26

All: 7.145+/-0.001 χ^2/NDF: 1459546.7/54

- sign 7.210+/-0.001 χ^2/NDF: 597647.7/27

diff_targ_positionX_mean vs Slug



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.544+/-2.894 χ^2/NDF:31.3/10

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

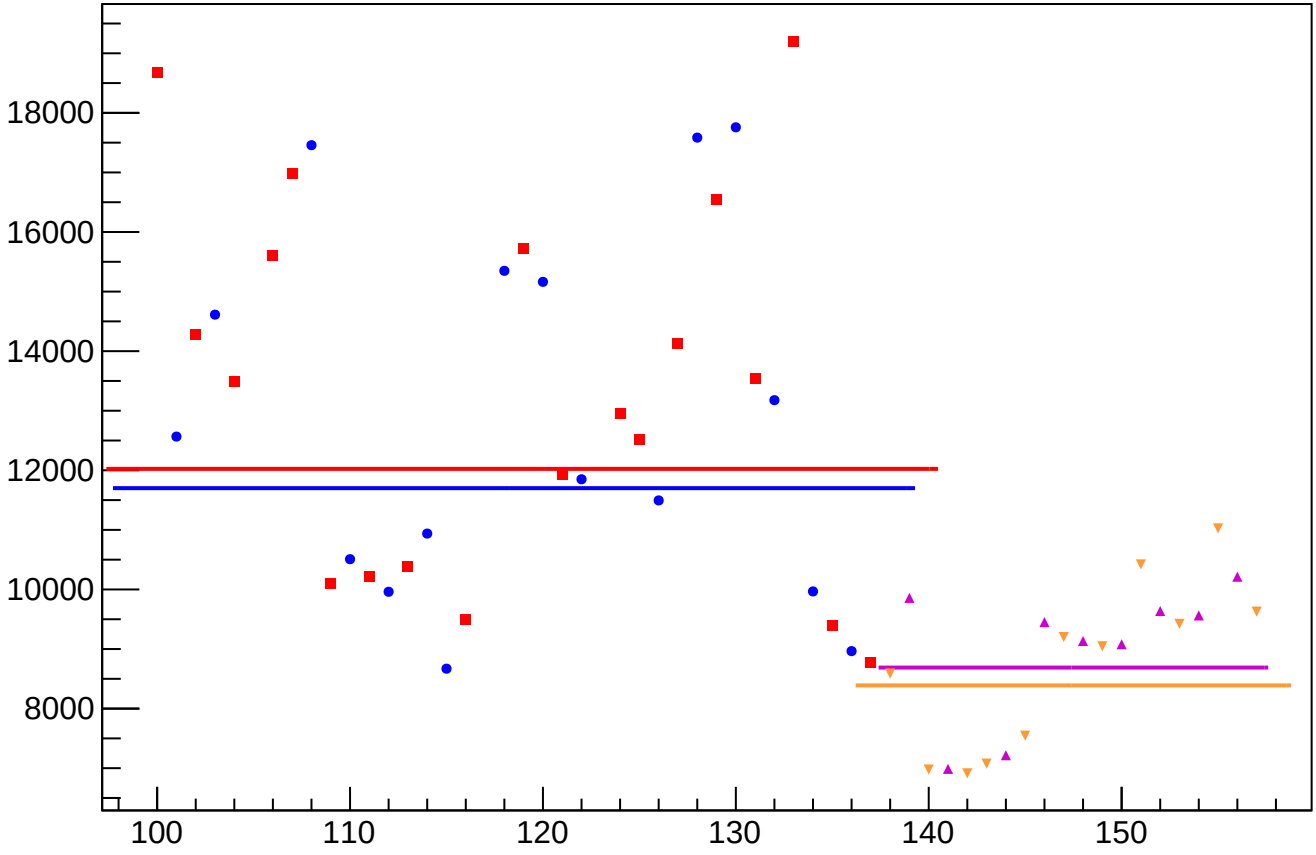
Left In: -1.262+/-3.140 χ^2/NDF:7.8/8

+ sign -10.178+/-2.432 χ^2/NDF: 55.1/26

All: -7.288+/-1.769 χ^2/NDF: 82.3/54

- sign -4.040+/-2.578 χ^2/NDF: 24.2/27

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8389.425+/-2.046 χ^2/NDF:411001.3/10

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

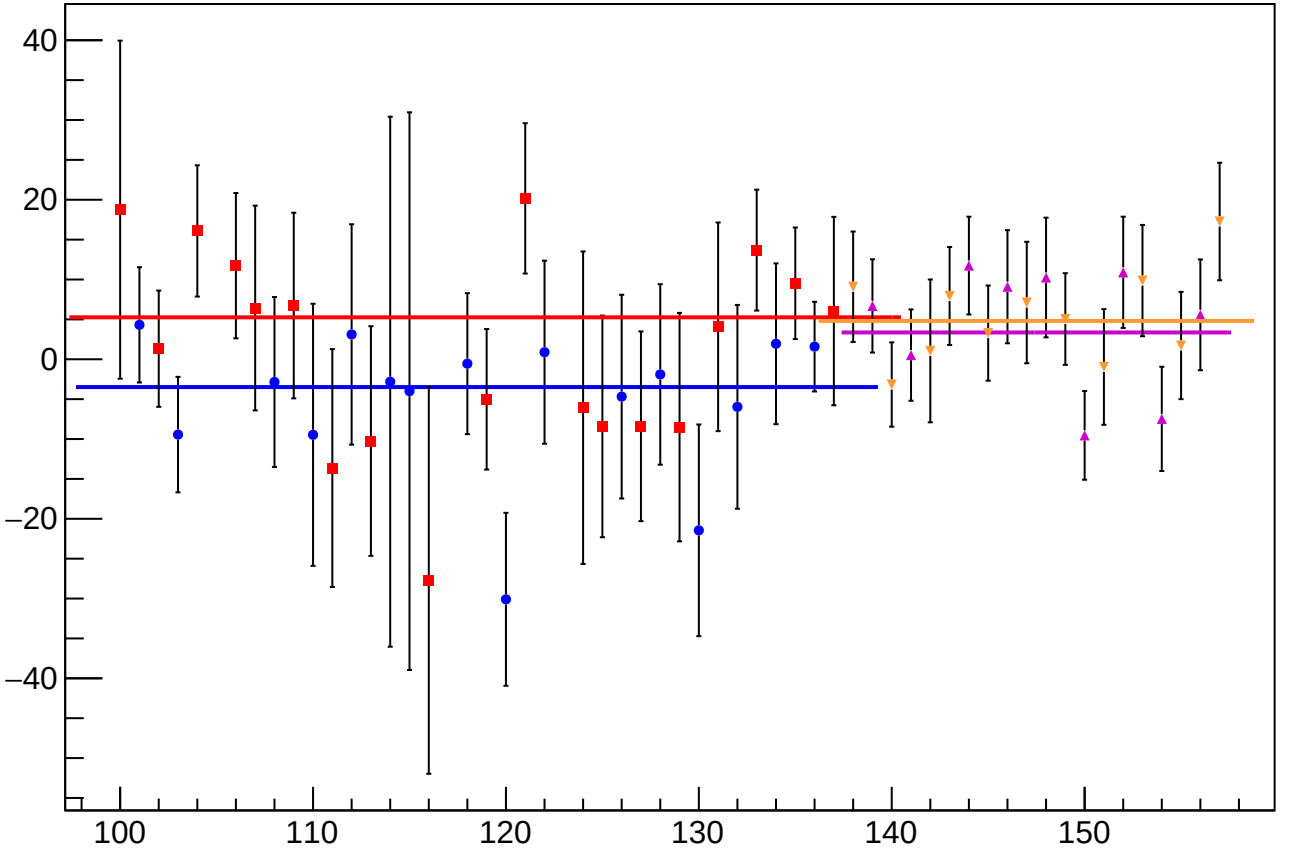
Left In: 8688.583+/-2.220 χ^2/NDF:288766.4/8

+ sign 9361.634+/-1.720 χ^2/NDF: 1920088.5/26

All: 9556.315+/-1.251 χ^2/NDF: 3656165.4/54

- sign 9775.087+/-1.823 χ^2/NDF: 1708860.4/27

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.807+/-1.994 χ^2/NDF:7.5/10

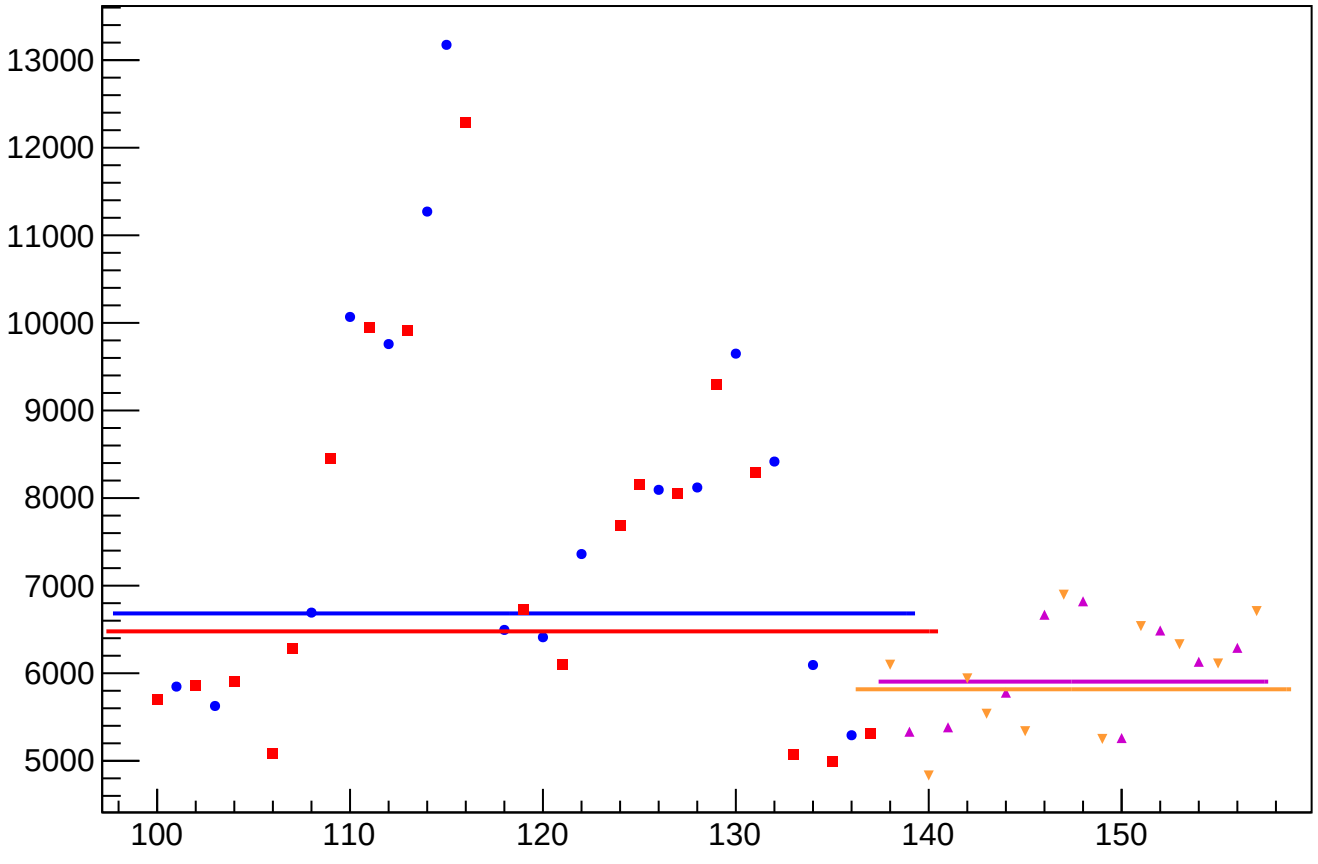
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 3.362+/-2.127 χ^2/NDF:13.3/8

+ sign 1.659+/-1.571 χ^2/NDF: 25.5/26

All: 2.892+/-1.123 χ^2/NDF: 57.1/54

- sign 4.179+/-1.605 χ^2/NDF: 30.3/27



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5816.935+/-1.410 χ^2/NDF:213474.4/10

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

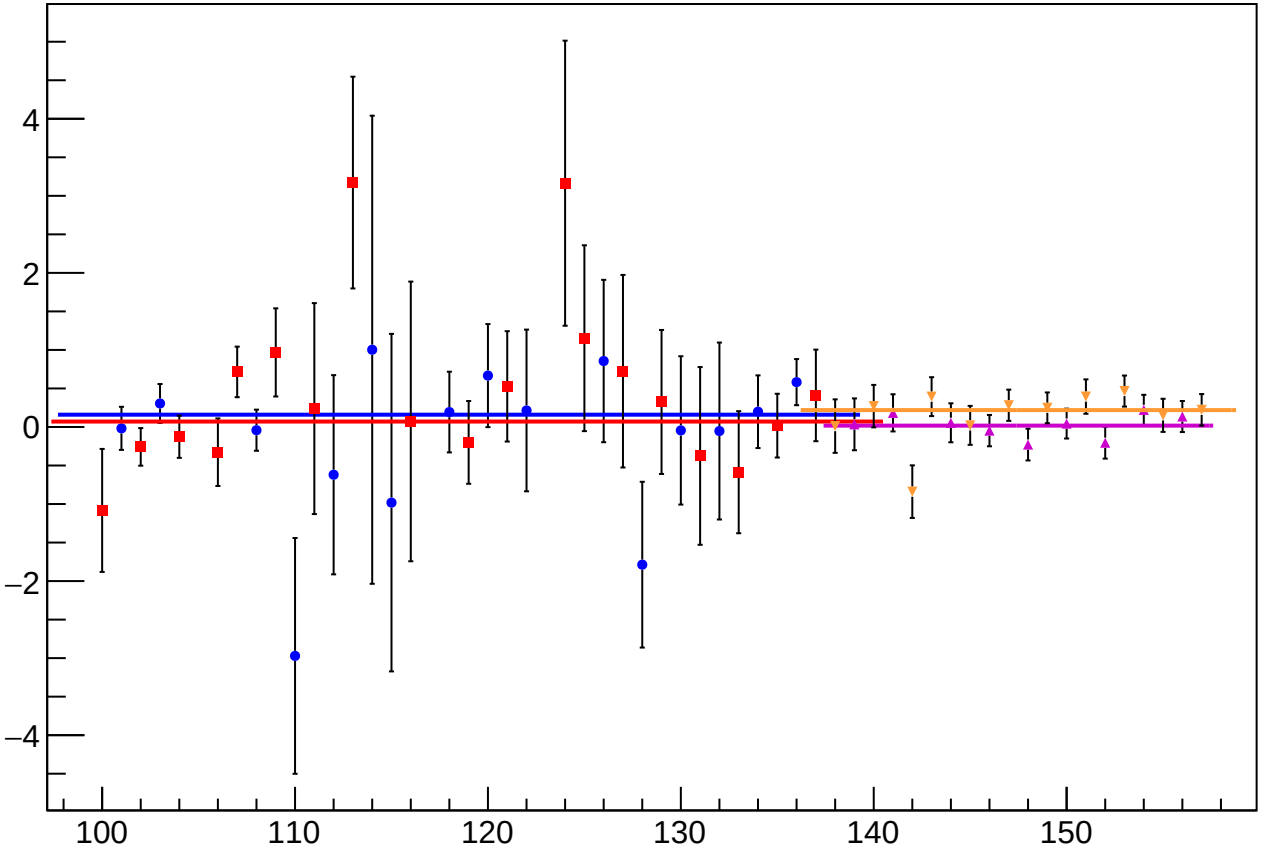
Left In: 5904.418+/-1.504 χ^2/NDF:139053.1/8

+ sign 6145.706+/-1.111 χ^2/NDF: 1048834.2/26

All: 6148.502+/-0.794 χ^2/NDF: 2089766.3/54

- sign 6151.421+/-1.135 χ^2/NDF: 1040919.2/27

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.219+/-0.071 χ^2/NDF:13.4/10

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

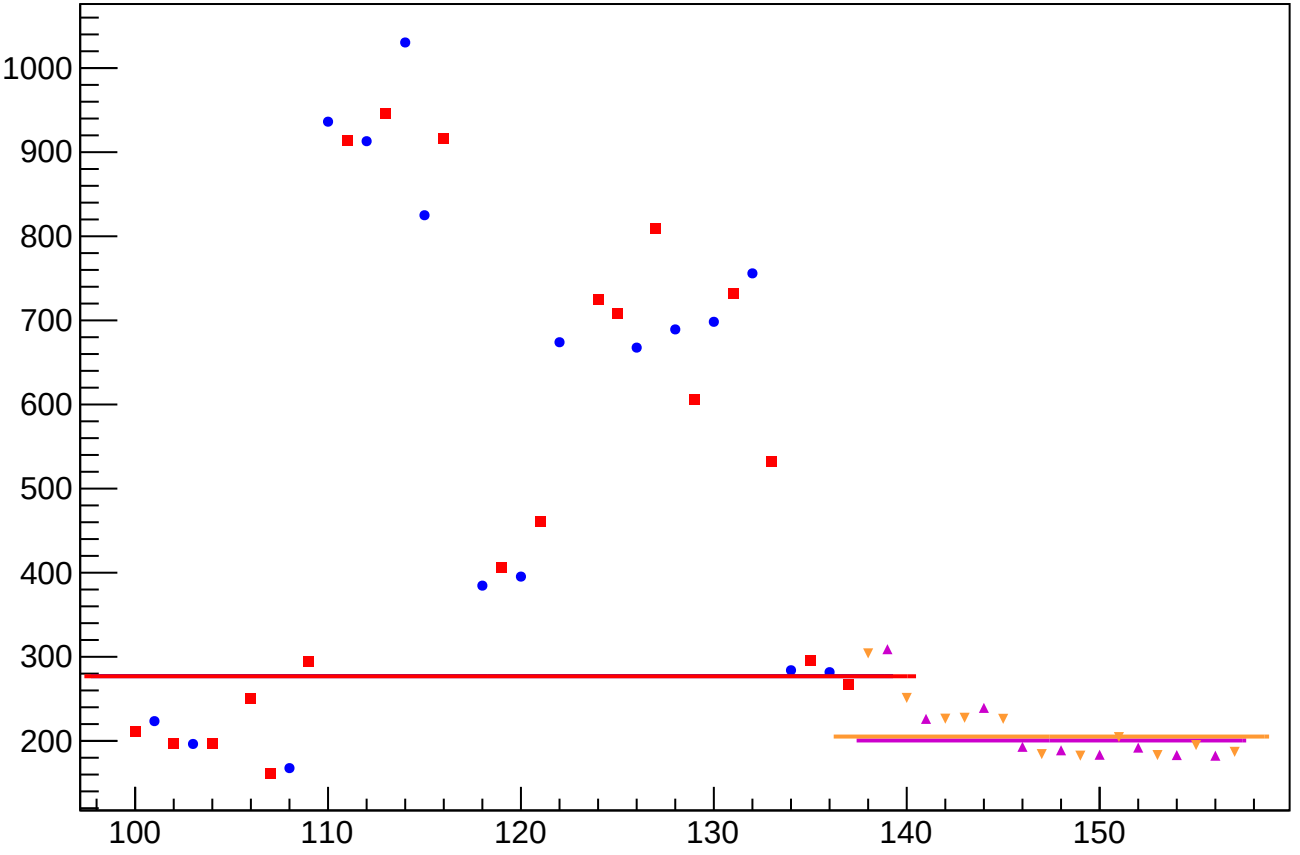
Left In: 0.018+/-0.073 χ^2/NDF:4.6/8

+ sign 0.204+/-0.061 χ^2/NDF: 26.2/26

All: 0.120+/-0.043 χ^2/NDF: 57.3/54

- sign 0.032+/-0.062 χ^2/NDF: 27.2/27

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 205.175+/-0.050 χ^2/NDF:346449.2/10

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

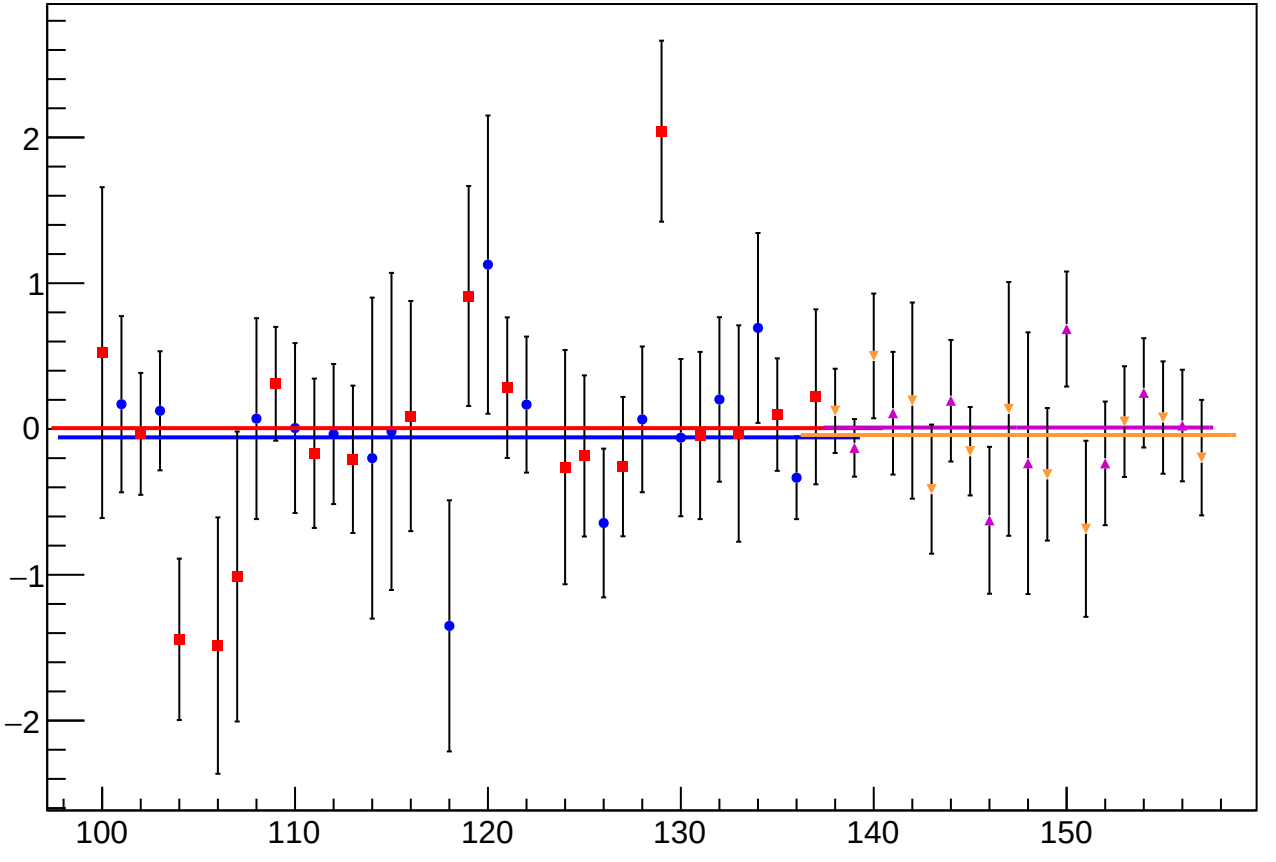
Left In: 200.533+/-0.051 χ^2/NDF:337560.3/8

\+ sign 223.718+/-0.043 χ^2/NDF: 4332537.7/26

All: 222.399+/-0.031 χ^2/NDF: 8838651.9/54

\- sign 221.024+/-0.044 χ^2/NDF: 4504188.1/27

diff_targ_thetaY_mean vs Slug



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.041+/-0.124 χ^2/NDF:4.7/10

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

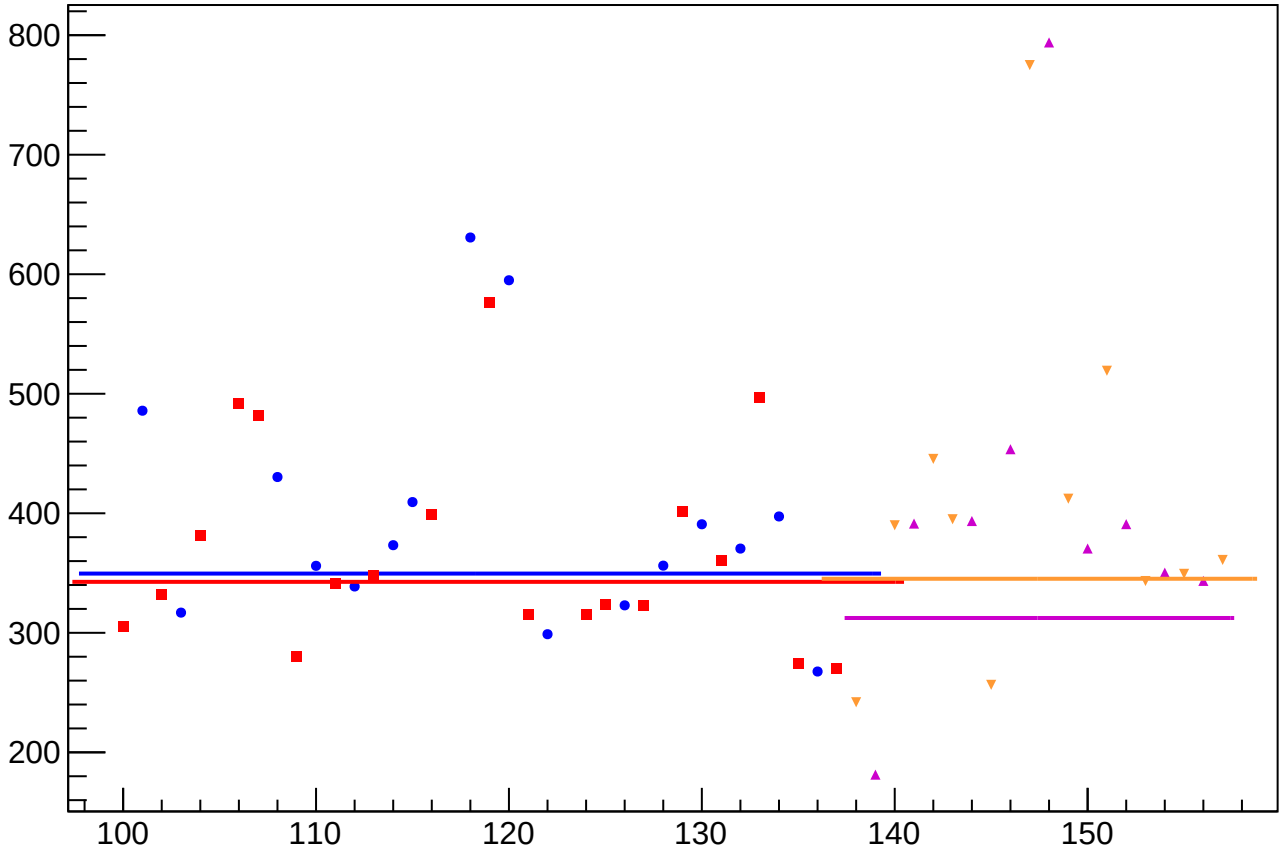
Left In: 0.010+/-0.121 χ^2/NDF:6.1/8

+ sign -0.049+/-0.091 χ^2/NDF: 12.9/26

All: -0.019+/-0.063 χ^2/NDF: 44.3/54

- sign 0.008+/-0.088 χ^2/NDF: 31.3/27

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 345.221+/-0.088 χ^2/NDF:1219073.6/10

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

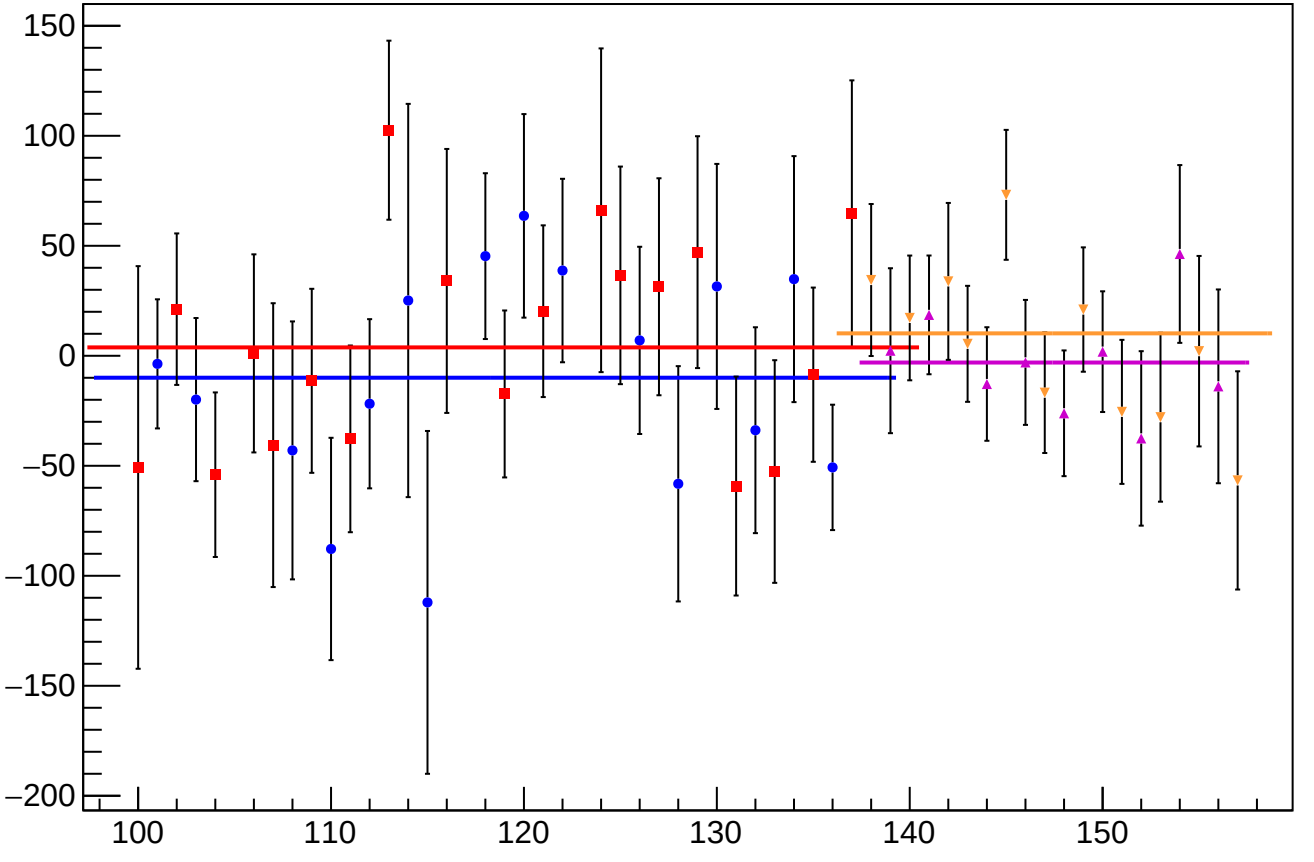
Left In: 312.399+/-0.086 χ^2/NDF:1904780.7/8

+ sign 347.234+/-0.064 χ^2/NDF: 1919505.3/26

All: 336.581+/-0.045 χ^2/NDF: 4511471.9/54

- sign 326.581+/-0.062 χ^2/NDF: 2538980.8/27

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

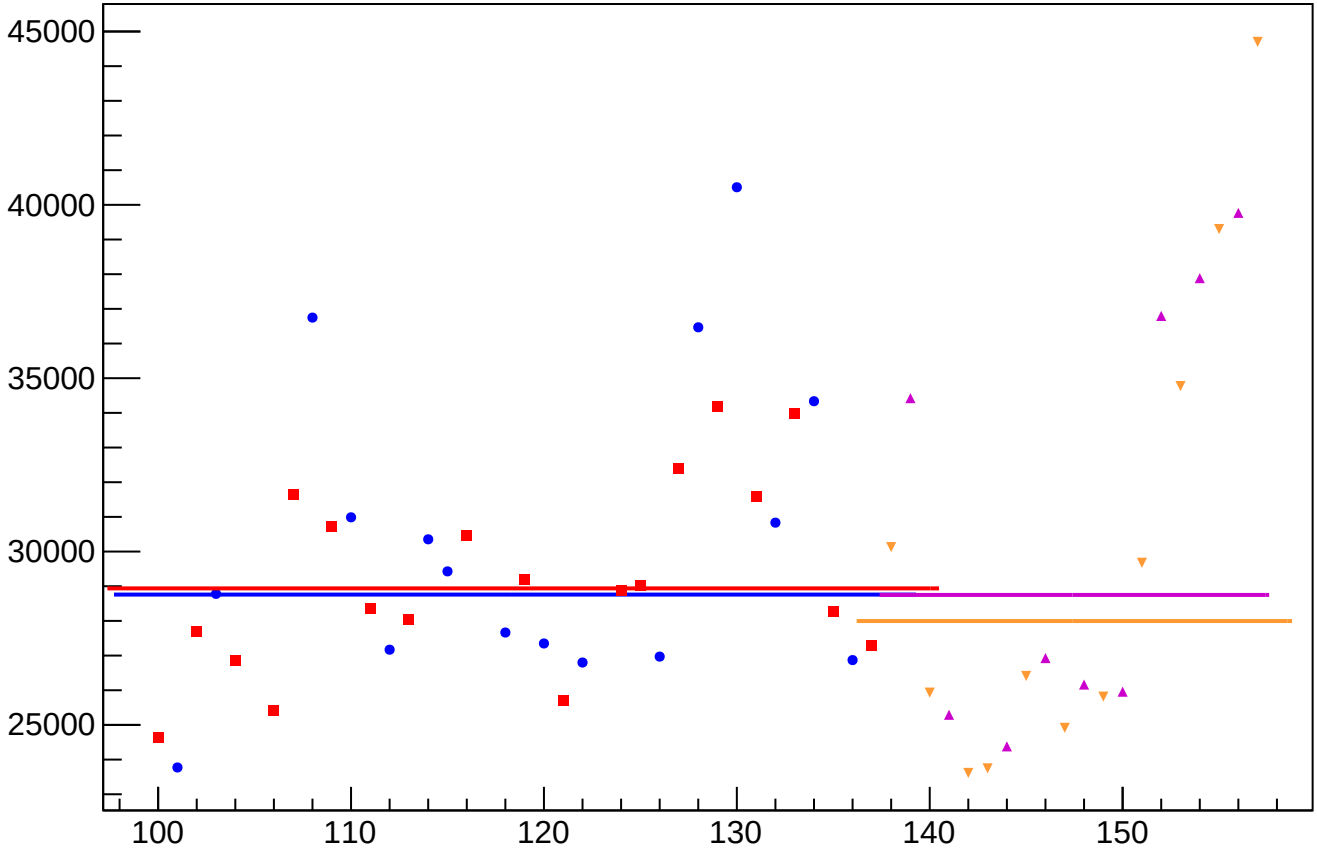
Left In: -3.069+/-10.458 χ^2/NDF:3.8/8

\+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.773+/-5.193 χ^2/NDF: 49.2/54

\- sign 0.314+/-7.457 χ^2/NDF: 21.3/27

diff_bpmE_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

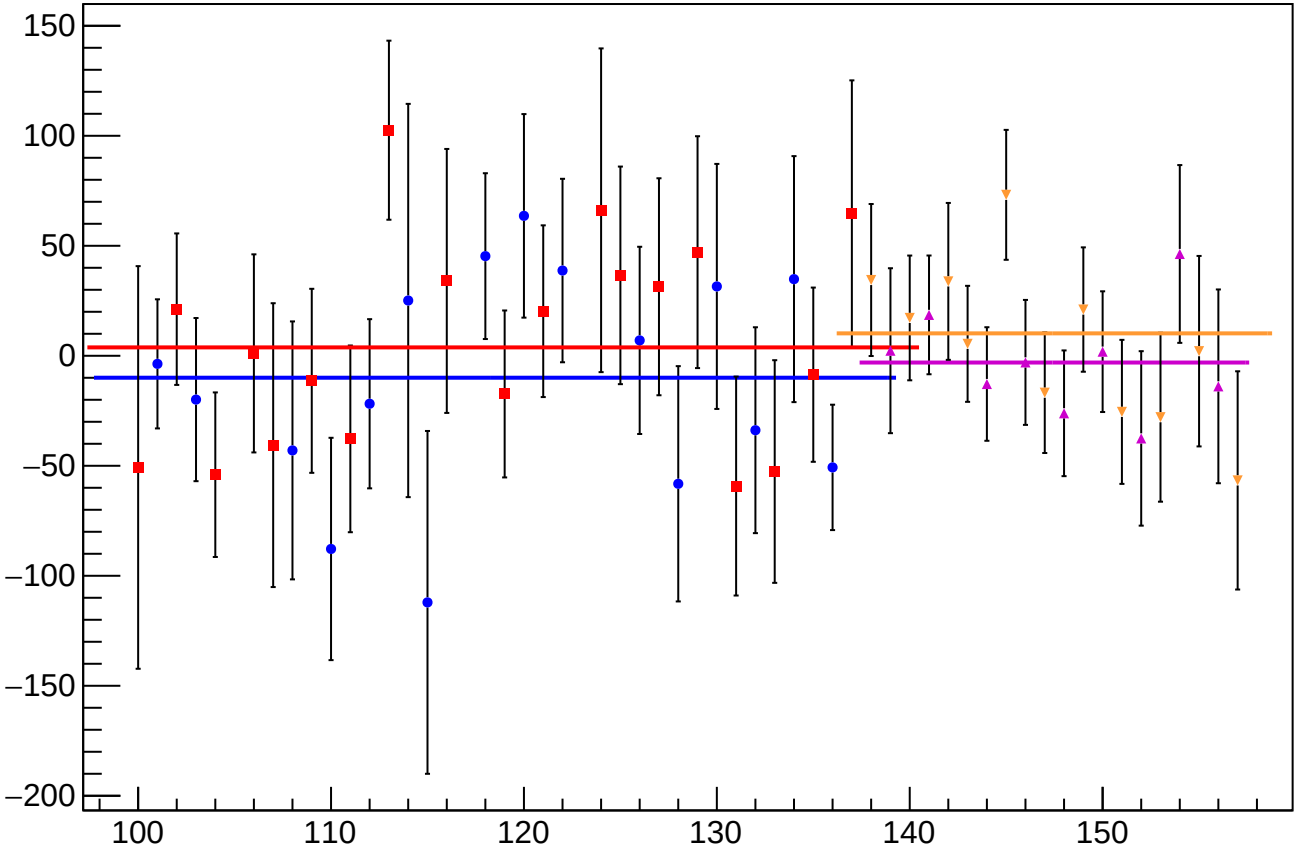
Left In: 28749.027+/-7.395 χ^2/NDF:491061.9/8

+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28581.332+/-3.672 χ^2/NDF: 1459546.7/5

- sign 28841.737+/-5.273 χ^2/NDF: 597647.7/27

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

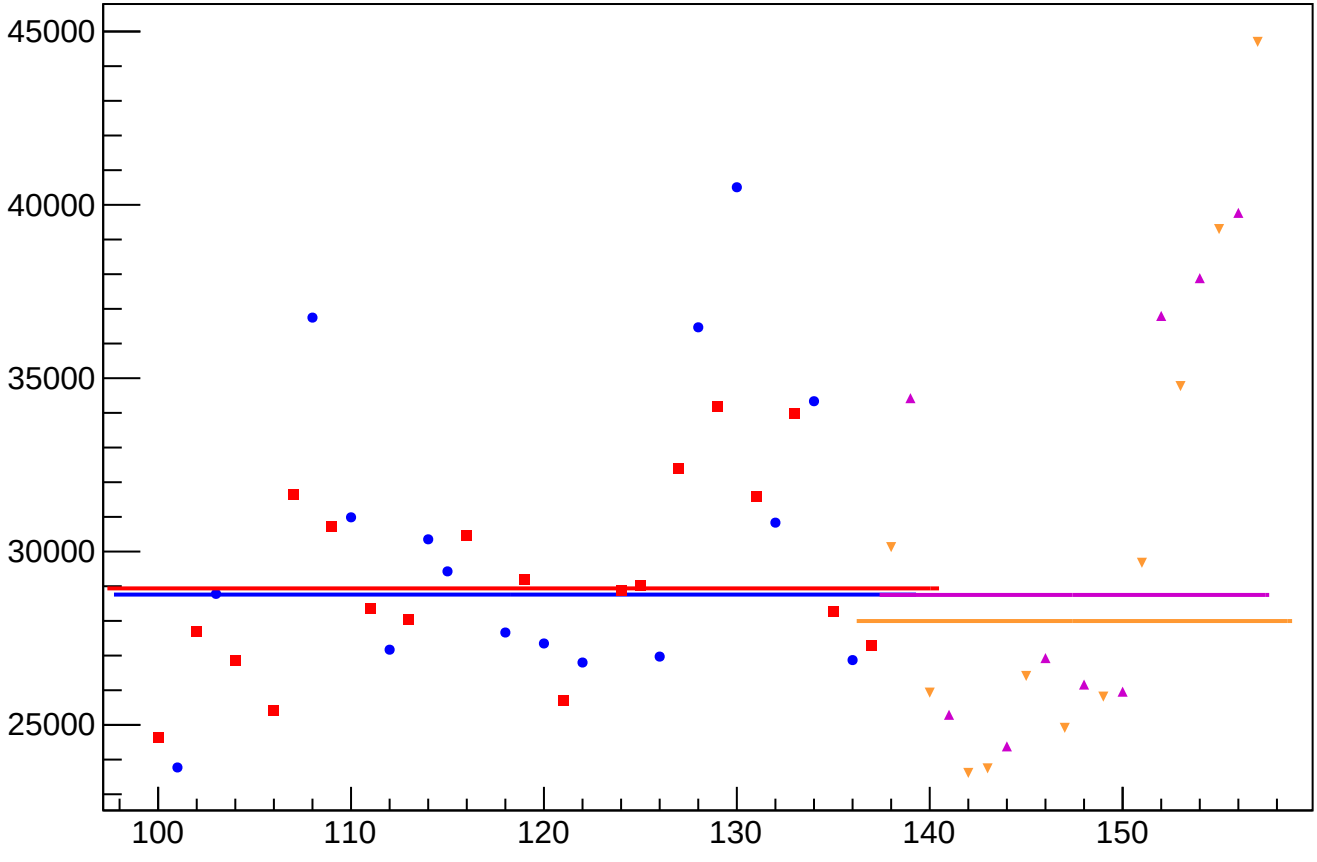
Left In: -3.069+/-10.458 χ^2/NDF:3.8/8

+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.773+/-5.193 χ^2/NDF: 49.2/54

- sign 0.314+/-7.457 χ^2/NDF: 21.3/27

diff_bpmEX_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

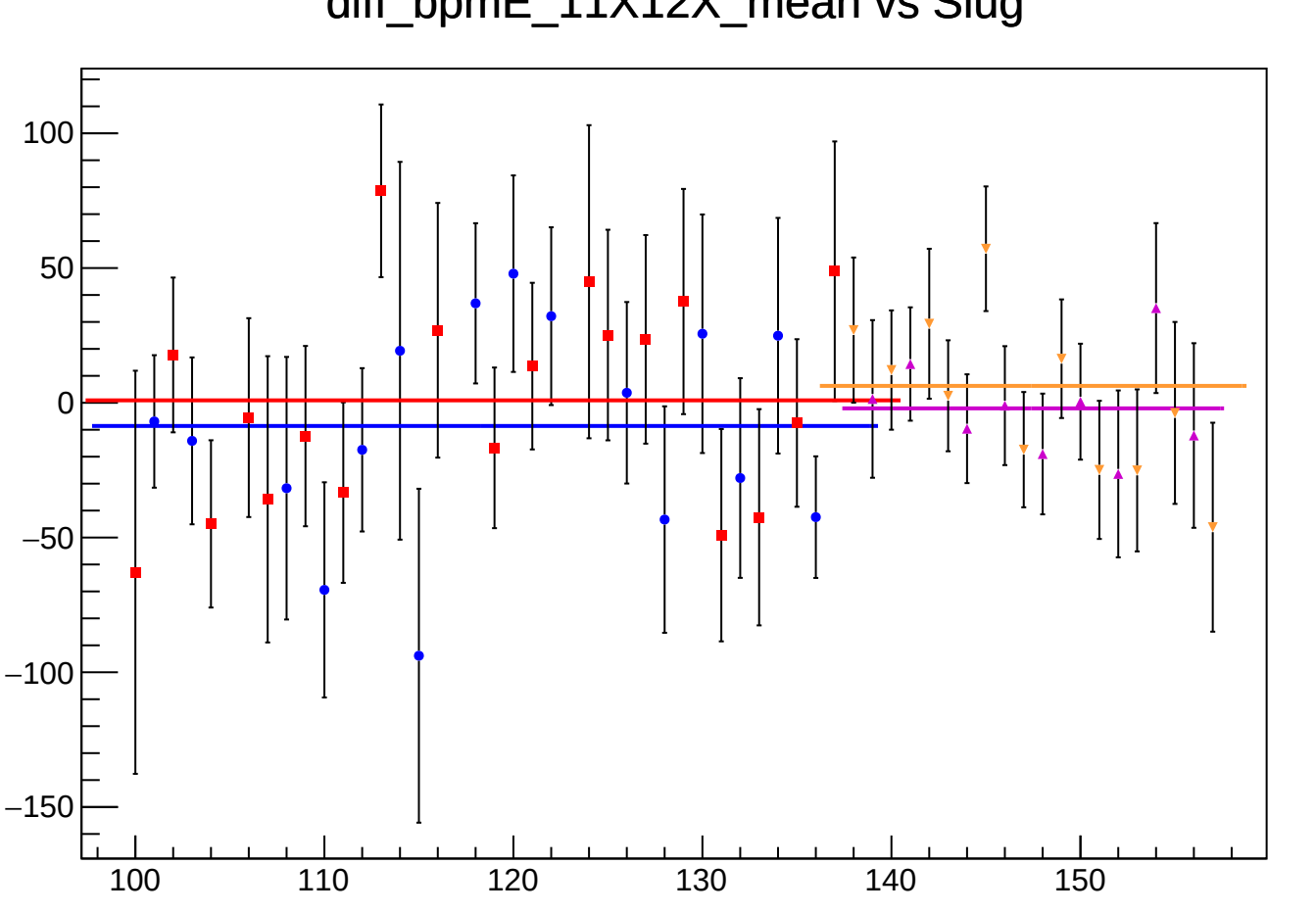
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28749.027+/-7.395 χ^2/NDF:491061.9/8

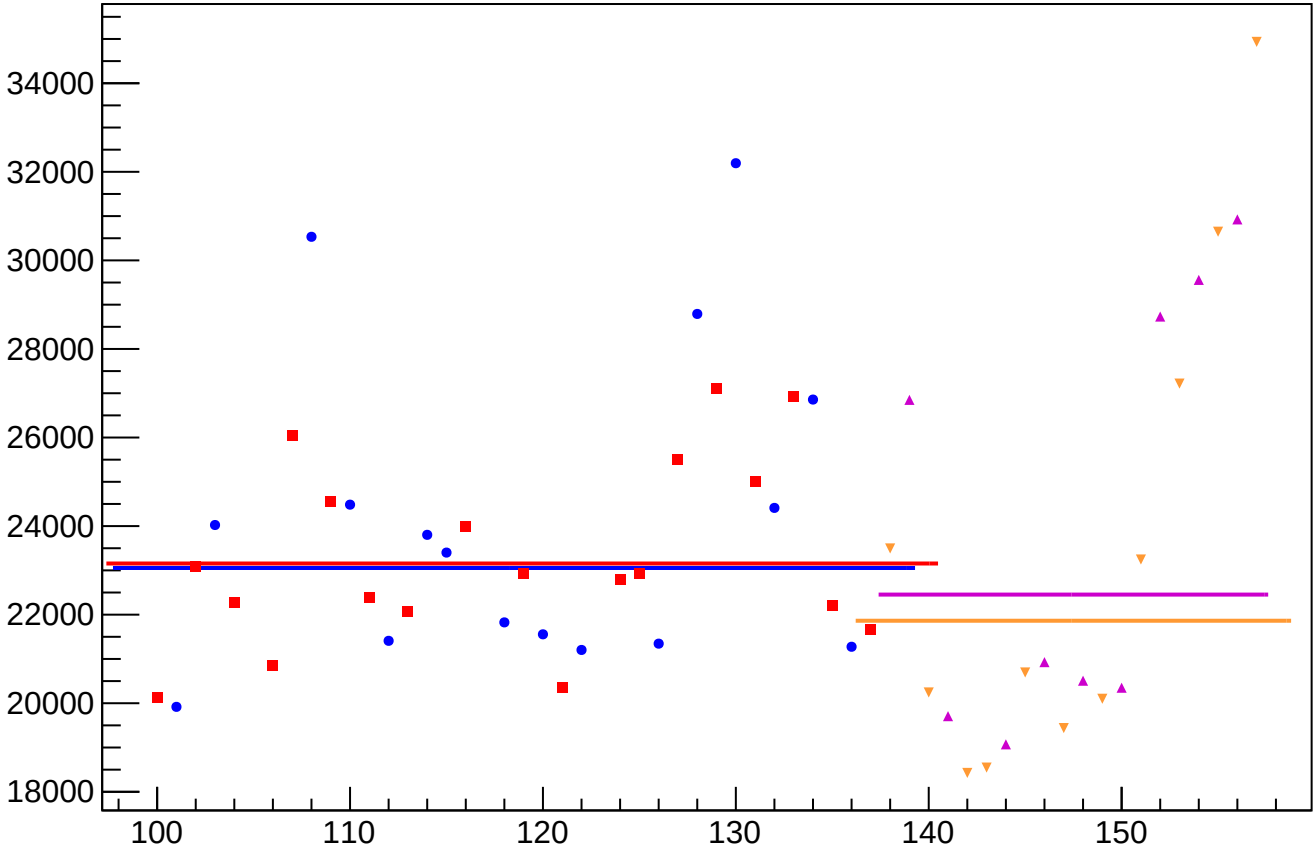
+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28581.332+/-3.672 χ^2/NDF: 1459546.7/5

- sign 28841.737+/-5.273 χ^2/NDF: 597647.7/27


diff_bpmE_11X12X_mean vs Slug
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 6.272+/-7.589 χ²/NDF:12.1/10
Right Out: 0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -2.071+/-8.166 χ²/NDF:3.5/8
+ sign -0.172+/-5.713 χ²/NDF: 29.3/26
All: -0.401+/-4.101 χ²/NDF: 50.4/54
- sign -0.644+/-5.891 χ²/NDF: 21.1/27

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21862.873+/-5.366 χ^2/NDF:576084.2/10

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

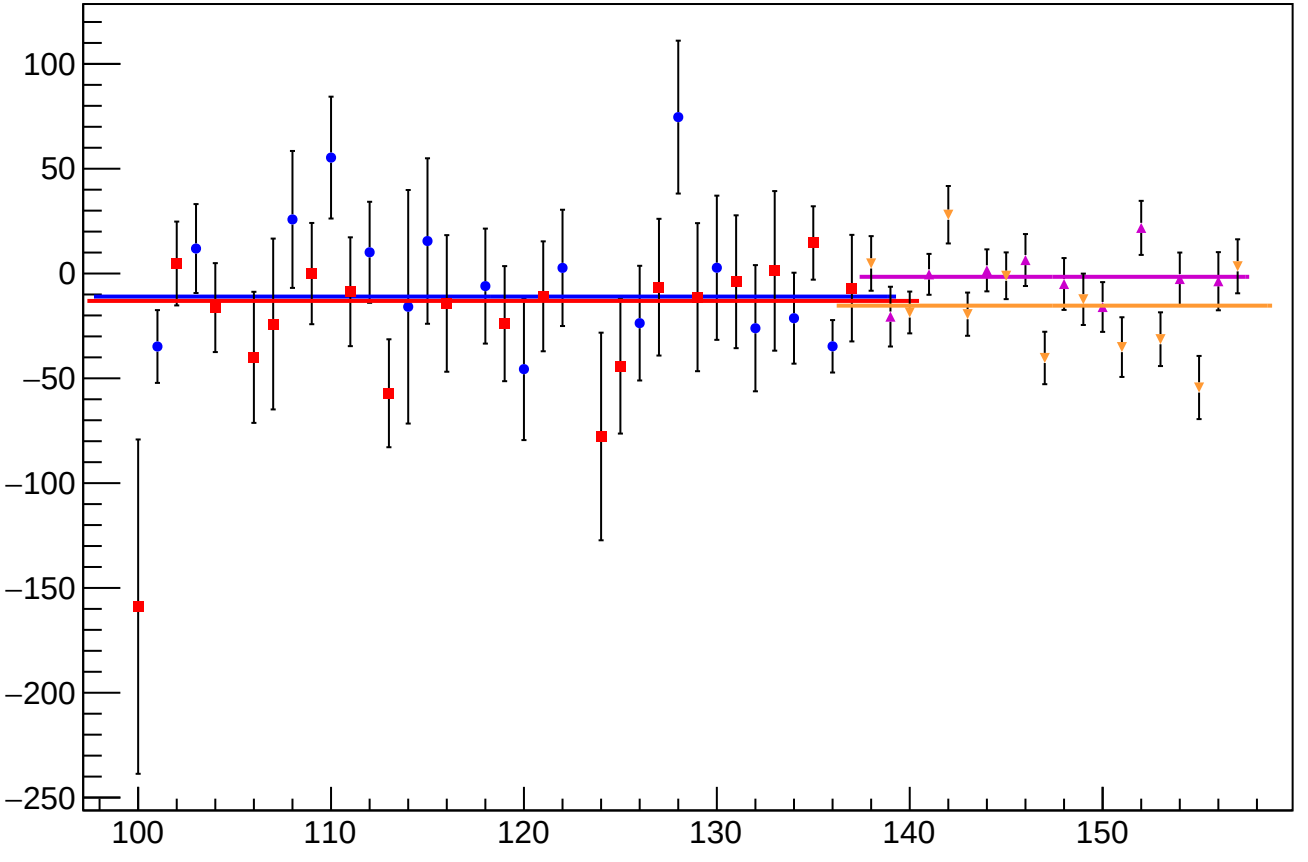
Left In: 22453.346+/-5.775 χ^2/NDF:485407.6/8

+ sign 22379.011+/-4.040 χ^2/NDF: 858874.8/26

All: 22578.213+/-2.900 χ^2/NDF: 1450280.2/5

- sign 22790.017+/-4.165 χ^2/NDF: 586388.3/27

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.327+/-3.695 χ^2/NDF:30.7/10

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

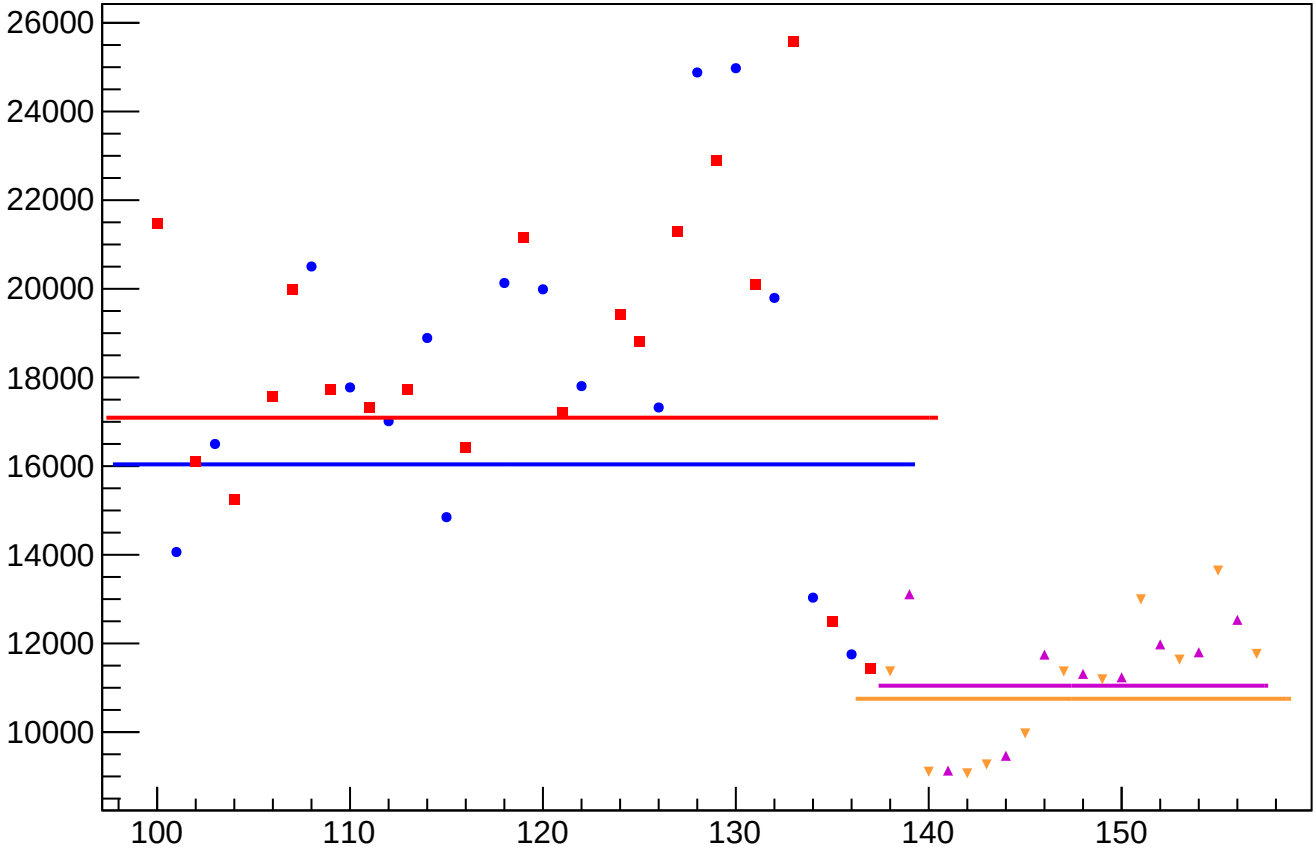
Left In: -1.569+/-3.983 χ^2/NDF:7.2/8

+ sign -14.181+/-3.168 χ^2/NDF: 53.1/26

All: -9.789+/-2.311 χ^2/NDF: 80.5/54

- sign -4.793+/-3.379 χ^2/NDF: 23.4/27

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10752.138+/-2.613 χ^2/NDF:292903.0/10

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

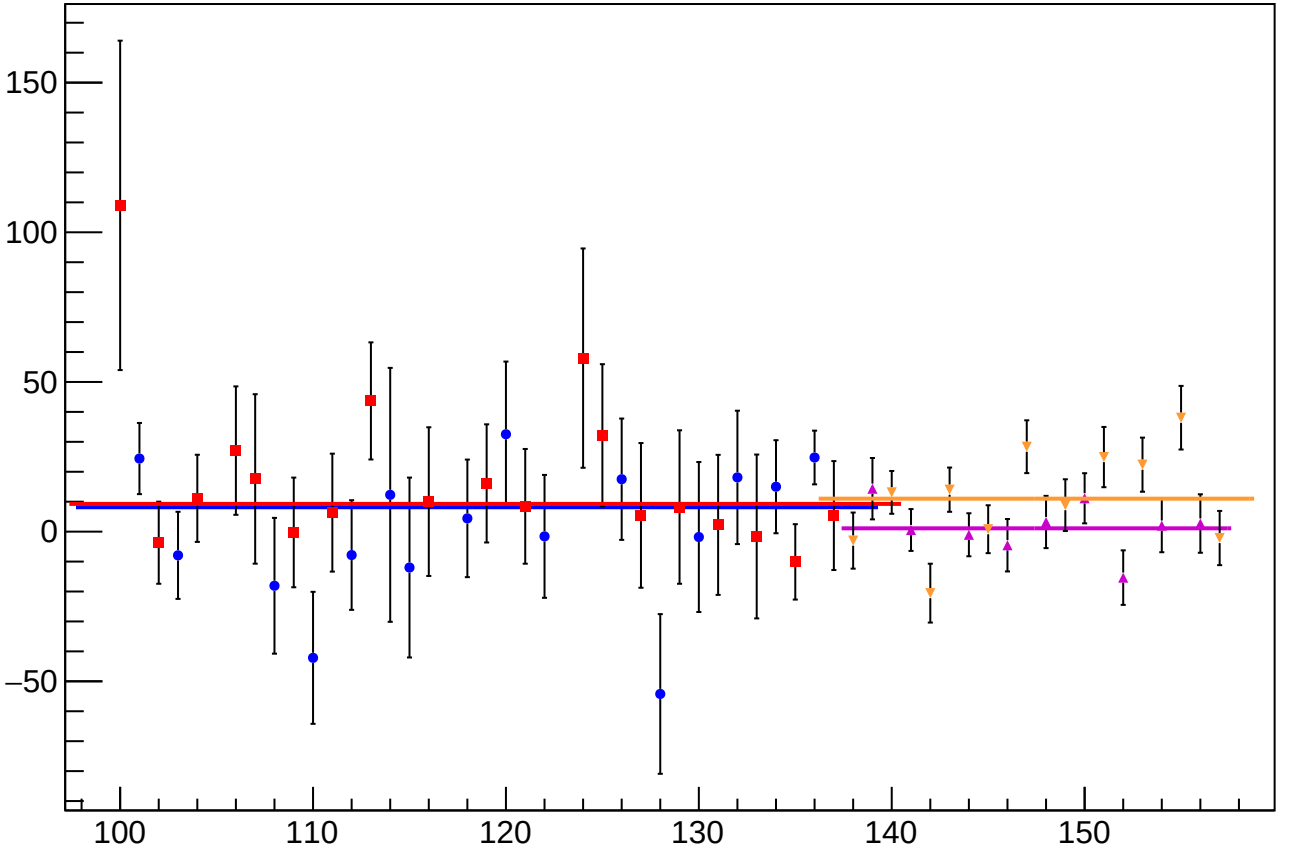
Left In: 11047.132+/-2.817 χ^2/NDF:217130.0/8

+ sign 12153.038+/-2.240 χ^2/NDF: 2100729.7/26

All: 12428.527+/-1.634 χ^2/NDF: 4177242.3/5

- sign 12741.950+/-2.389 χ^2/NDF: 2044181.4/27

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 11.015+/-2.630 χ^2/NDF:30.4/10

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

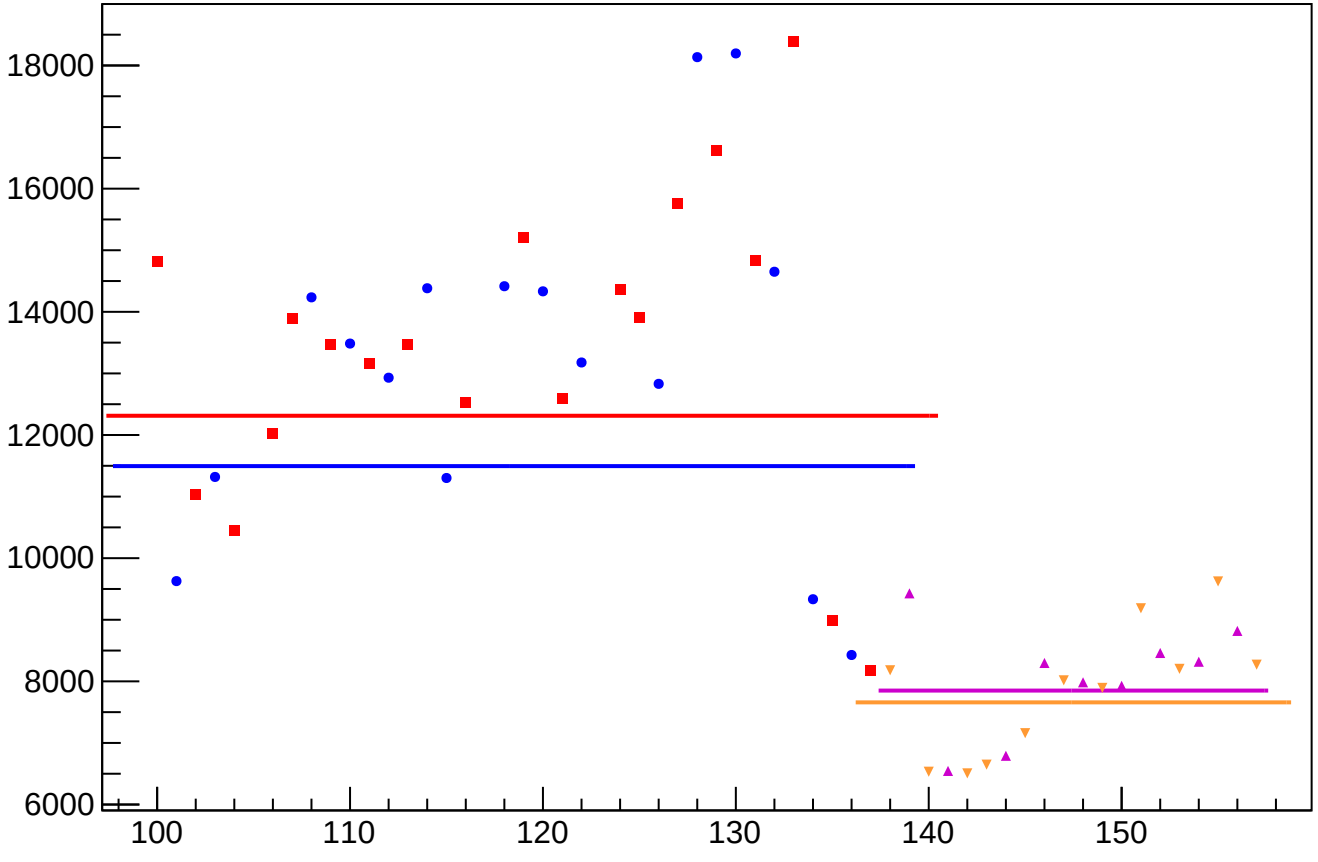
Left In: 1.106+/-2.829 χ^2/NDF:7.0/8

+ sign 10.267+/-2.260 χ^2/NDF: 52.5/26

All: 7.027+/-1.649 χ^2/NDF: 80.0/54

- sign 3.341+/-2.411 χ^2/NDF: 23.1/27

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7658.734+/-1.859 χ^2/NDF:264075.2/10

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

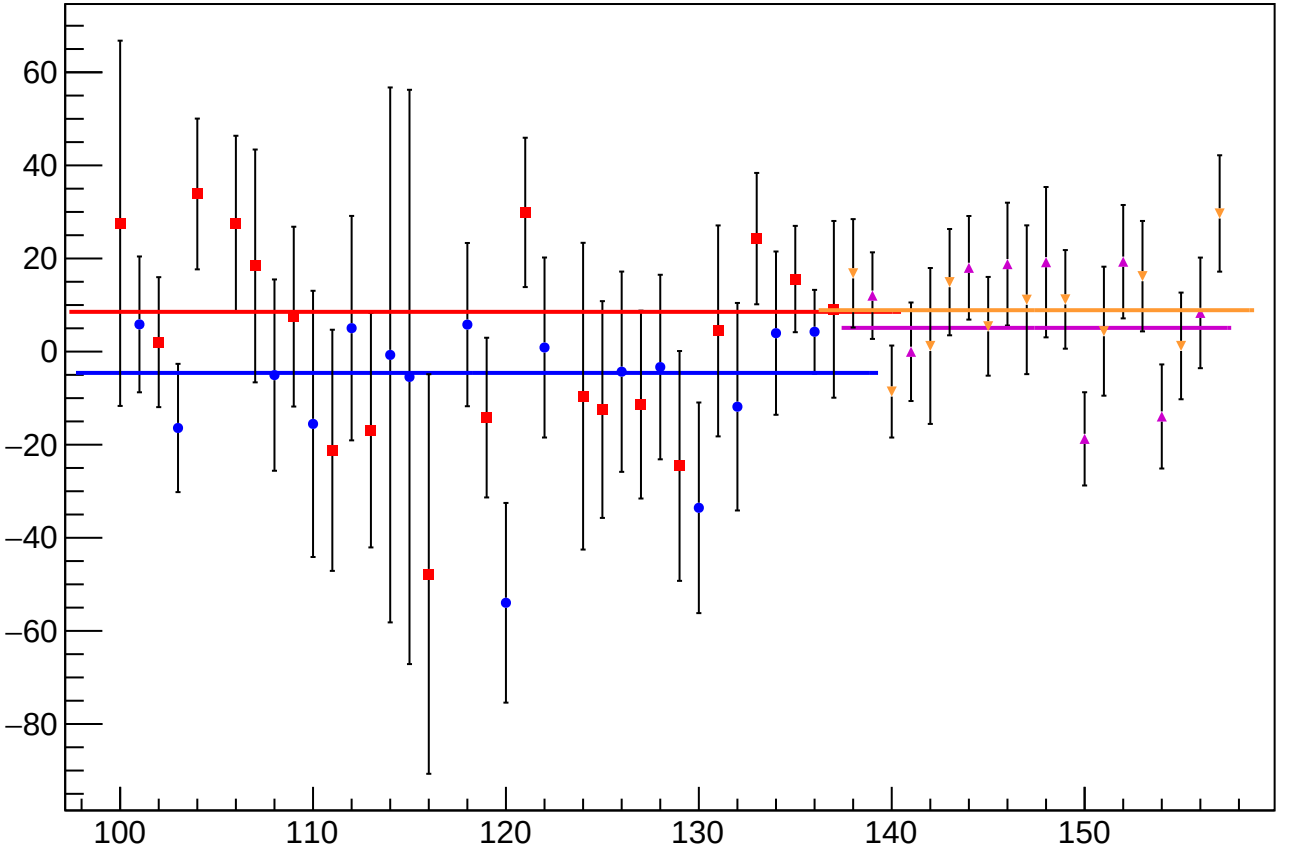
Left In: 7850.207+/-2.000 χ^2/NDF:200583.8/8

+ sign 8660.613+/-1.598 χ^2/NDF: 2165769.4/26

All: 8853.088+/-1.166 χ^2/NDF: 4358598.9/54

- sign 9072.062+/-1.705 χ^2/NDF: 2161826.1/27

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 8.893+/-3.606 χ^2/NDF:8.0/10

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

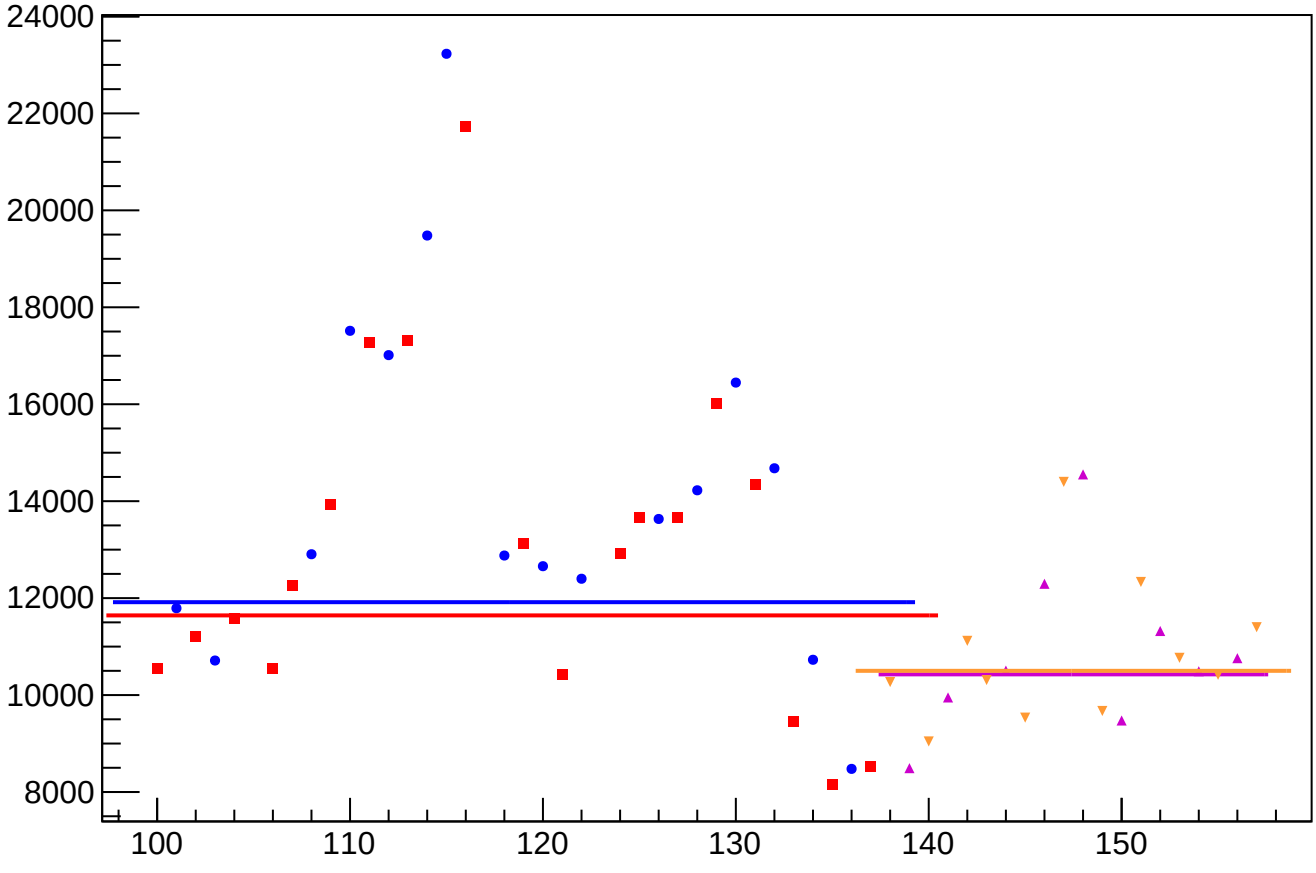
Left In: 5.095+/-3.781 χ^2/NDF:14.0/8

+ sign 3.701+/-2.827 χ^2/NDF: 23.6/26

All: 5.111+/-2.013 χ^2/NDF: 55.6/54

- sign 6.560+/-2.866 χ^2/NDF: 31.5/27

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10500.140+/-2.550 χ^2/NDF:241849.3/10

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

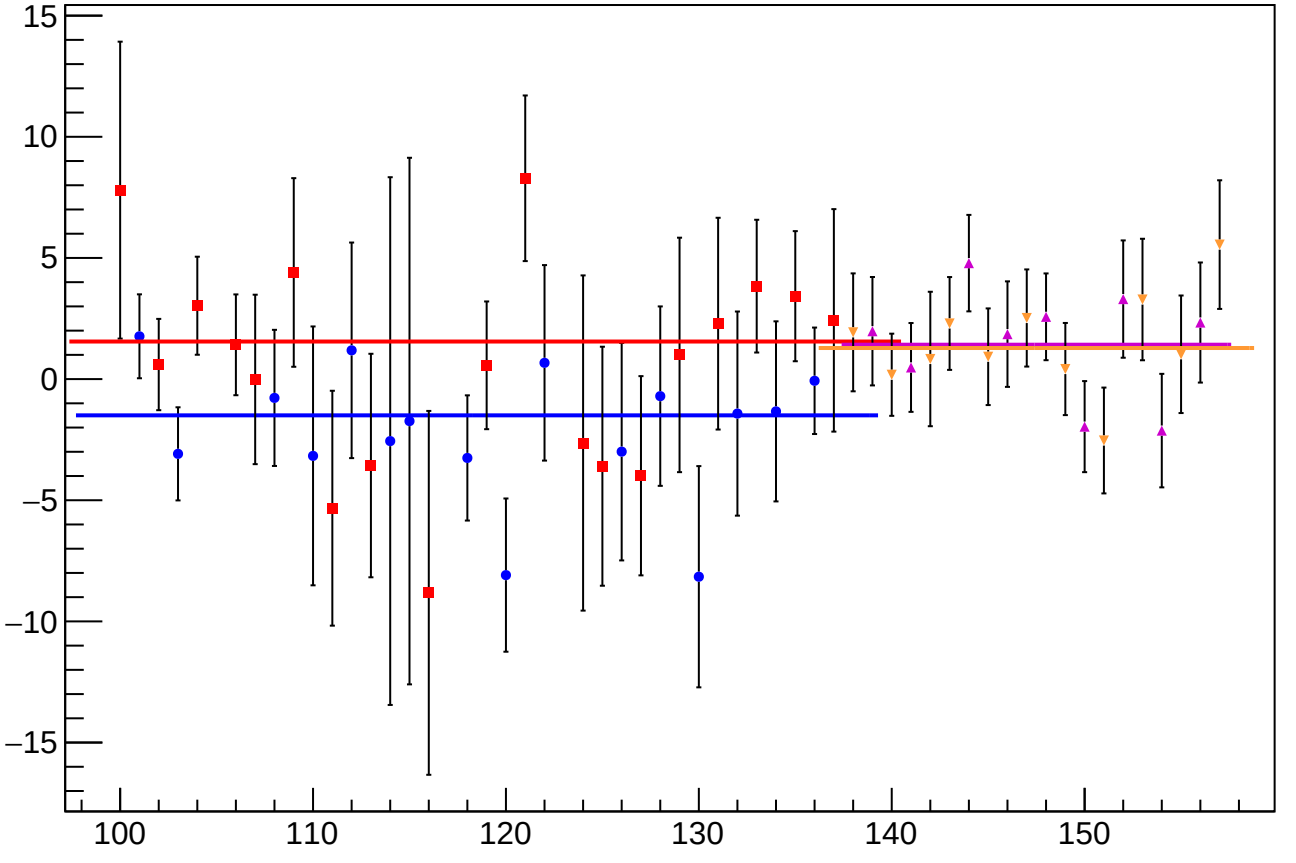
Left In: 10427.191+/-2.674 χ^2/NDF:291820.1/8

+ sign 11045.924+/-1.999 χ^2/NDF: 1110501.3/26

All: 10996.145+/-1.423 χ^2/NDF: 2282038.8/5

- sign 10944.998+/-2.026 χ^2/NDF: 1170280.3/27

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.283+/-0.649 χ^2/NDF:7.7/10

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

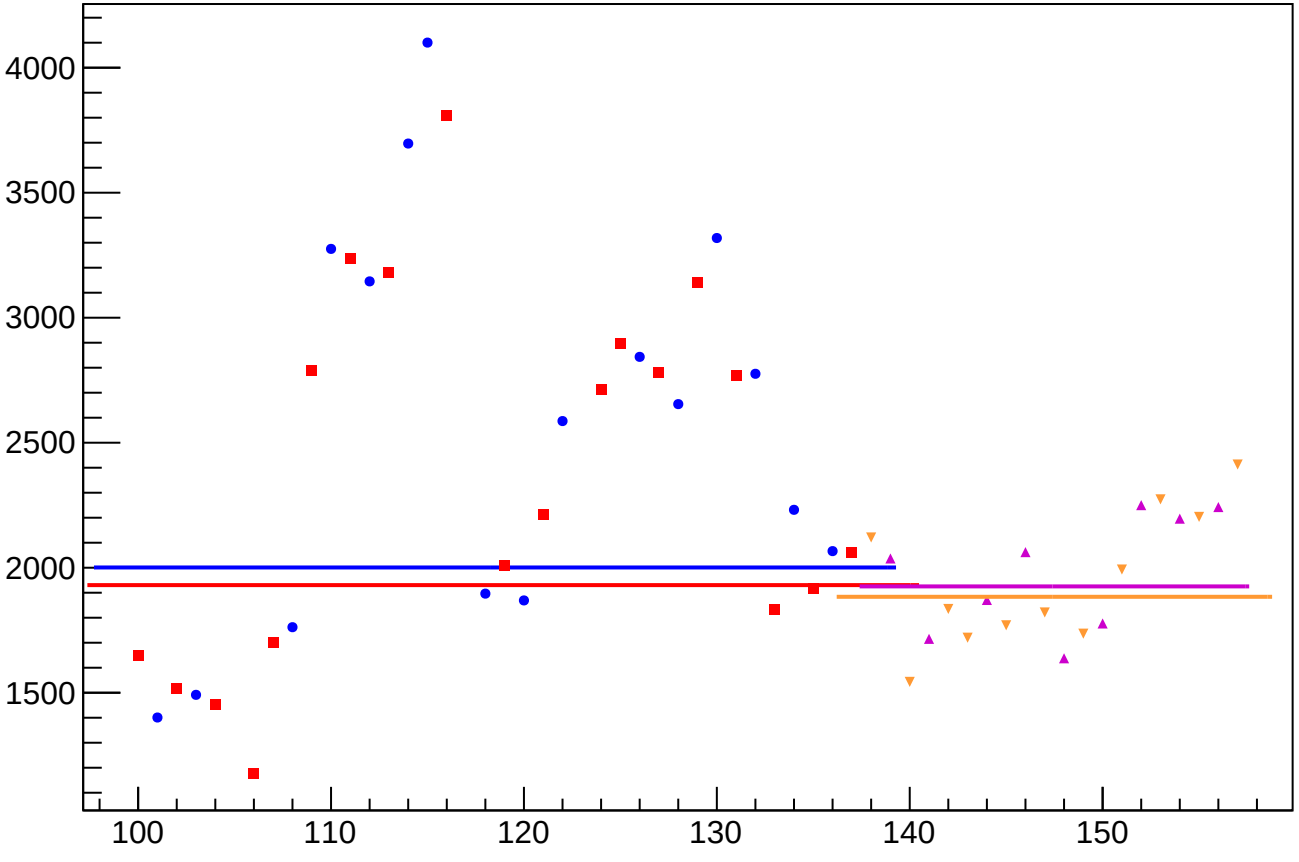
Left In: 1.419+/-0.695 χ^2/NDF:9.9/8

+ sign 0.144+/-0.498 χ^2/NDF: 27.8/26

All: 0.799+/-0.356 χ^2/NDF: 57.5/54

- sign 1.480+/-0.508 χ^2/NDF: 26.2/27

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1883.718+/-0.459 χ^2/NDF:302830.7/10

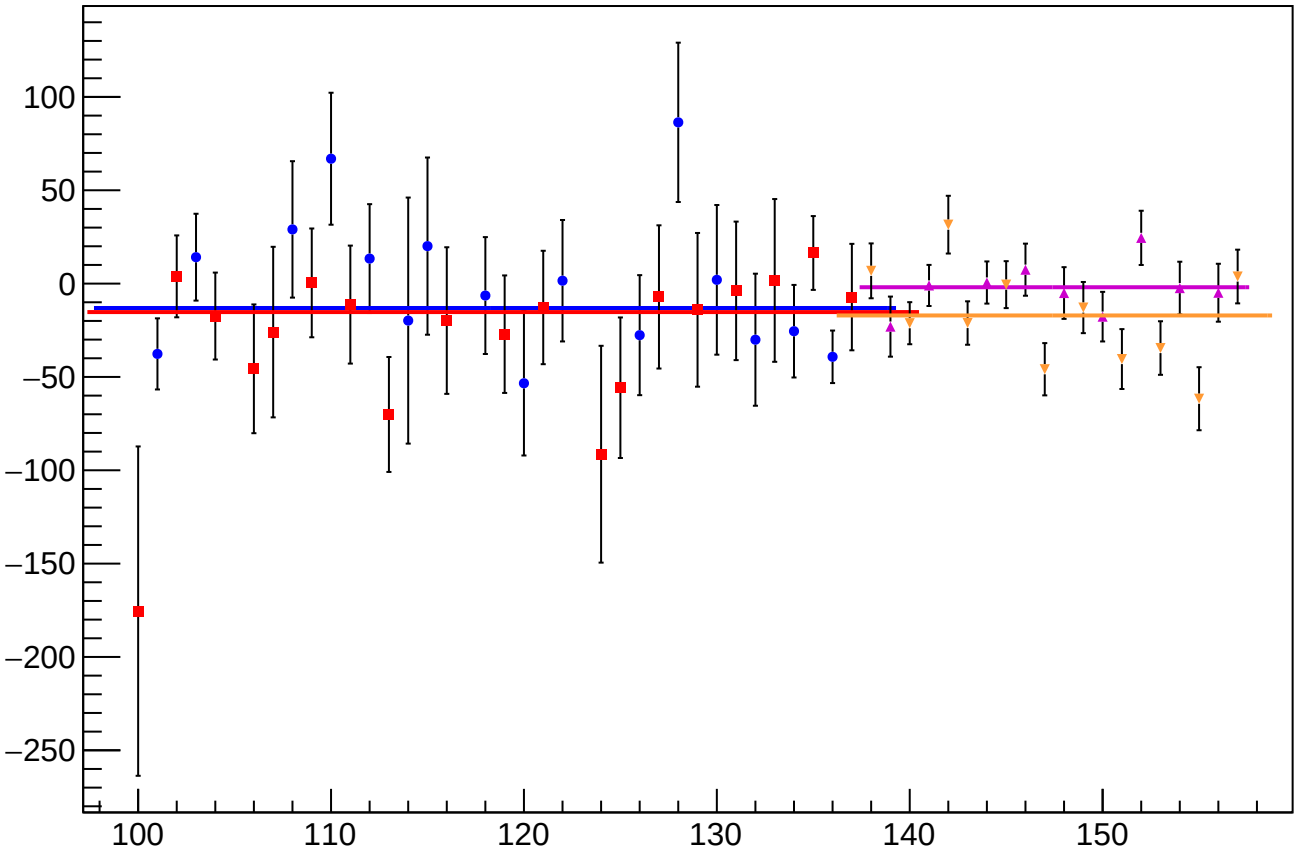
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1925.282+/-0.491 χ^2/NDF:200213.8/8

+ sign 1931.796+/-0.352 χ^2/NDF: 1519416.7/26

All: 1929.778+/-0.252 χ^2/NDF: 3123301.2/54

- sign 1927.680+/-0.359 χ^2/NDF: 1603817.7/27



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.063+/-4.155 χ^2/NDF:31.5/10

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

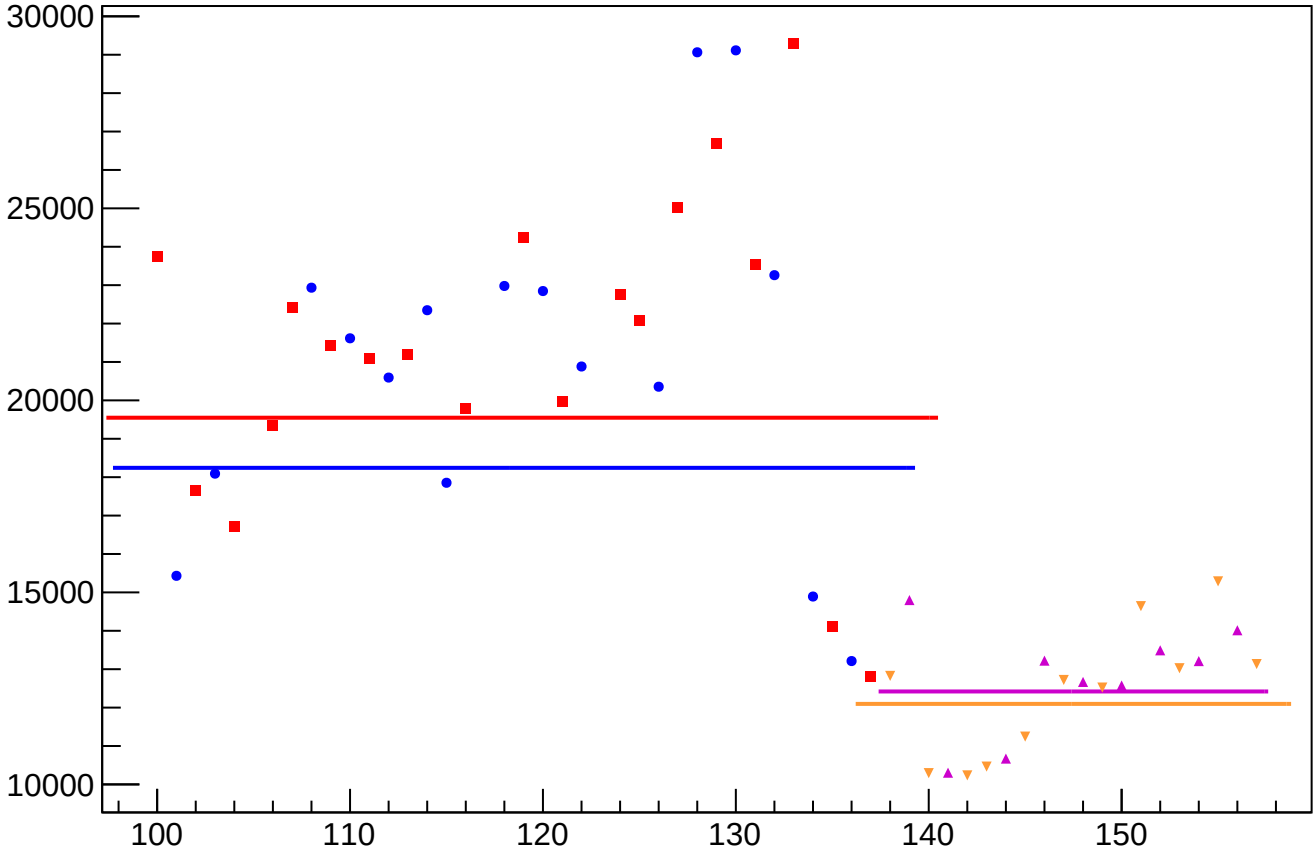
Left In: -1.946+/-4.478 χ^2/NDF:7.0/8

+ sign -16.027+/-3.577 χ^2/NDF: 53.6/26

All: -11.142+/-2.611 χ^2/NDF: 81.4/54

- sign -5.569+/-3.820 χ^2/NDF: 23.8/27

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12096.474+/-2.938 χ^2/NDF:280119.0/10

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

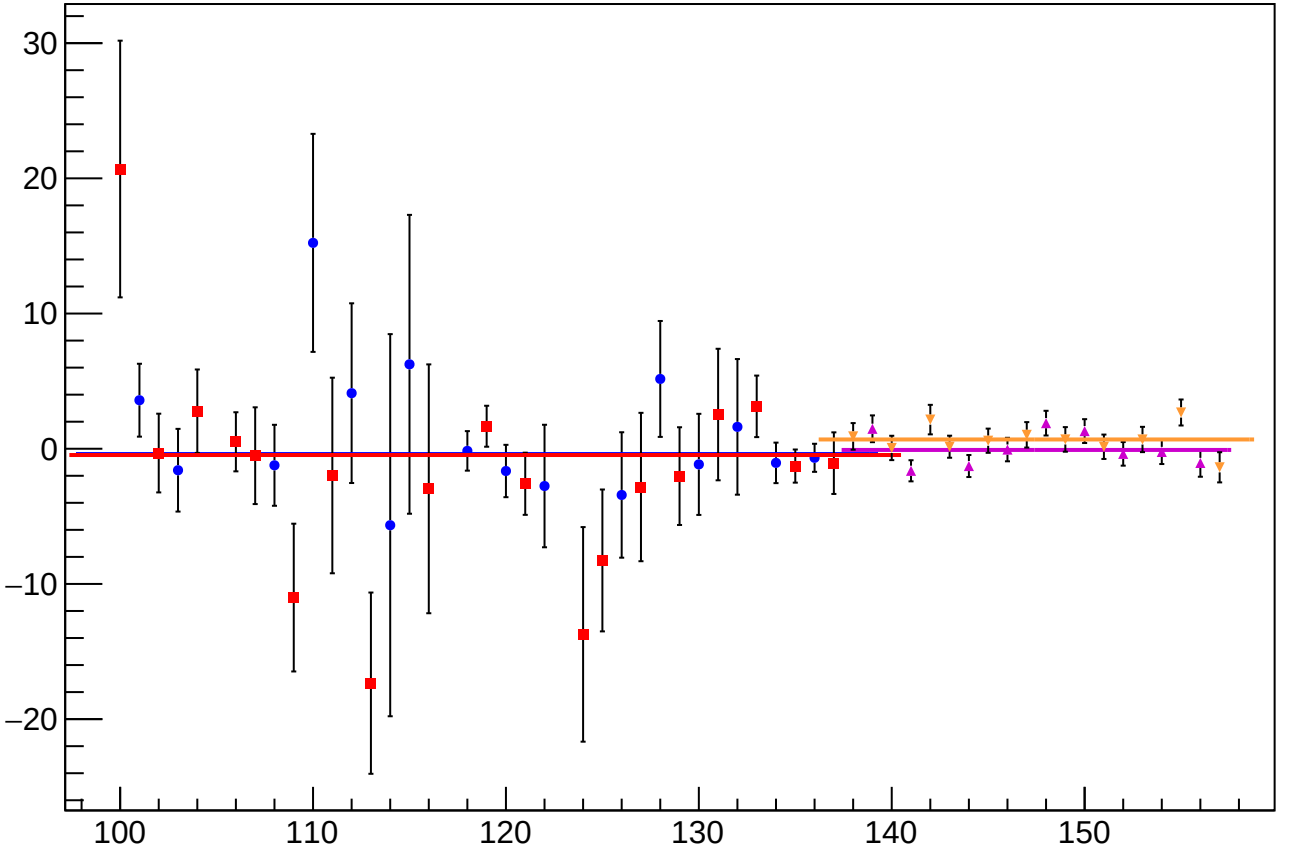
Left In: 12420.090+/-3.166 χ^2/NDF:211299.3/8

+ sign 13689.248+/-2.529 χ^2/NDF: 2233971.4/26

All: 14002.979+/-1.846 χ^2/NDF: 4479941.4/5

- sign 14360.803+/-2.701 χ^2/NDF: 2213031.4/27

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.686+/-0.283 χ^2/NDF:11.0/10

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

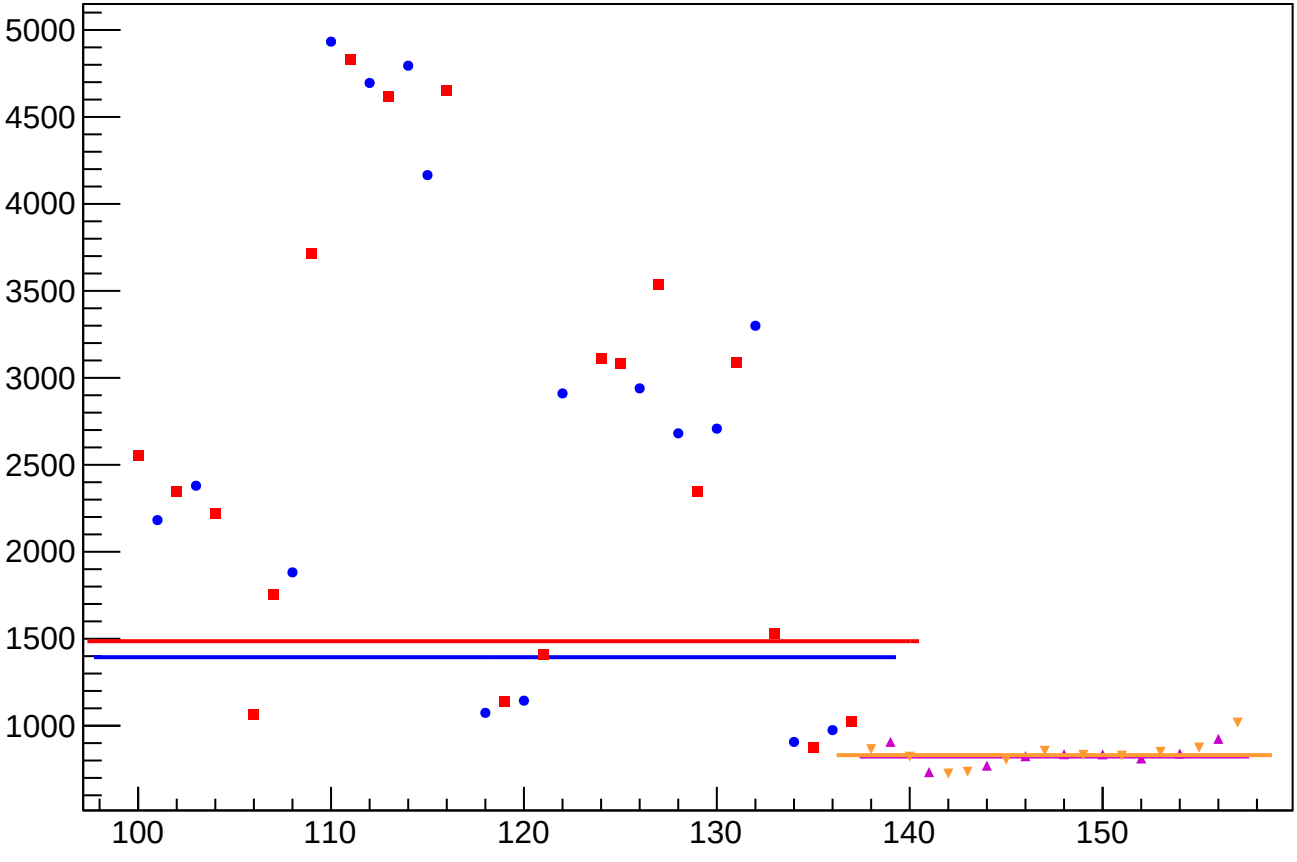
Left In: -0.089+/-0.295 χ^2/NDF:16.8/8

+ sign 0.489+/-0.256 χ^2/NDF: 24.1/26

All: 0.180+/-0.185 χ^2/NDF: 72.2/54

- sign -0.156+/-0.267 χ^2/NDF: 45.1/27

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 830.994+/-0.200 χ^2/NDF:112997.2/10

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

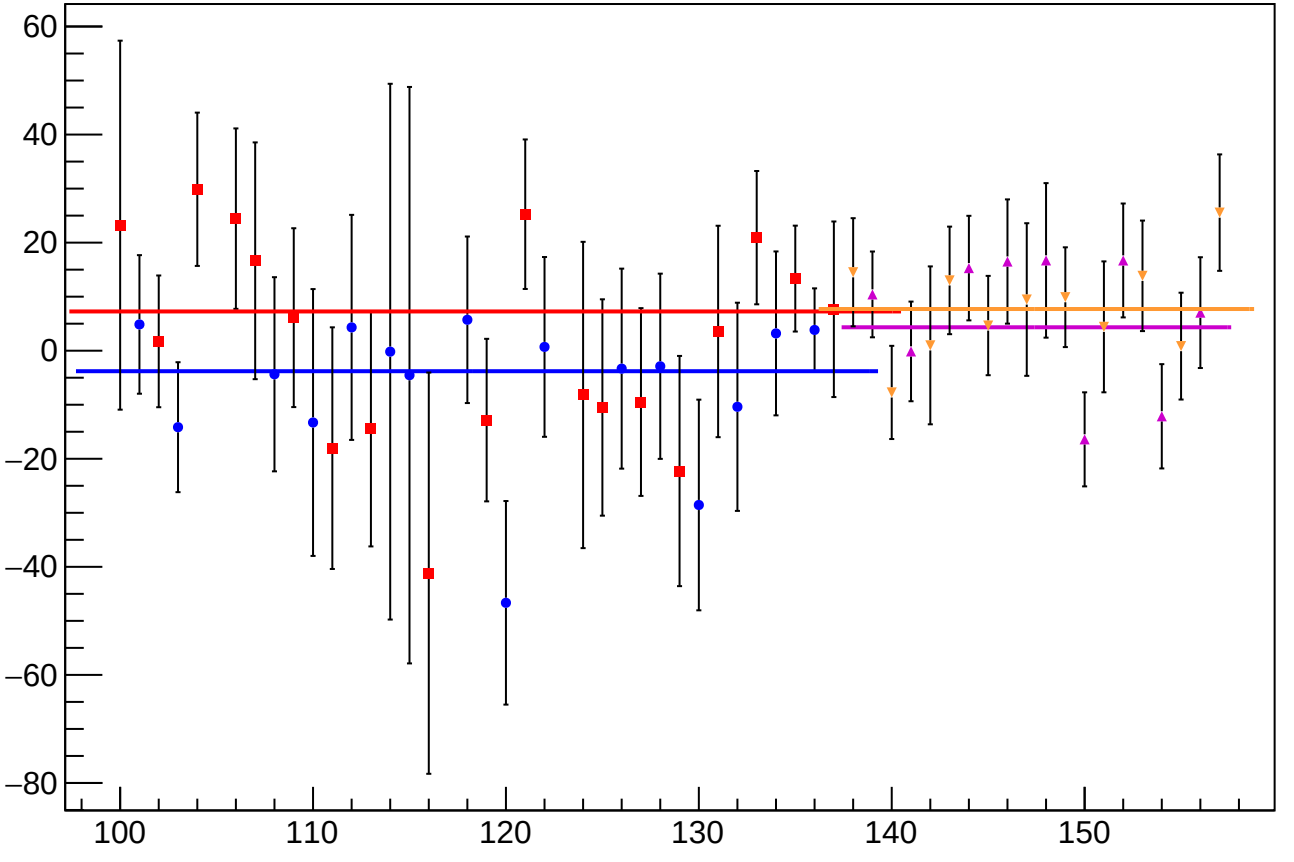
Left In: 822.852+/-0.209 χ^2/NDF:70773.3/8

+ sign 933.671+/-0.181 χ^2/NDF: 4932687.3/26

All: 937.114+/-0.131 χ^2/NDF: 10202312.8/54

- sign 940.861+/-0.189 χ^2/NDF: 5268872.0/27

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 7.715+/-3.131 χ^2/NDF:8.0/10

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

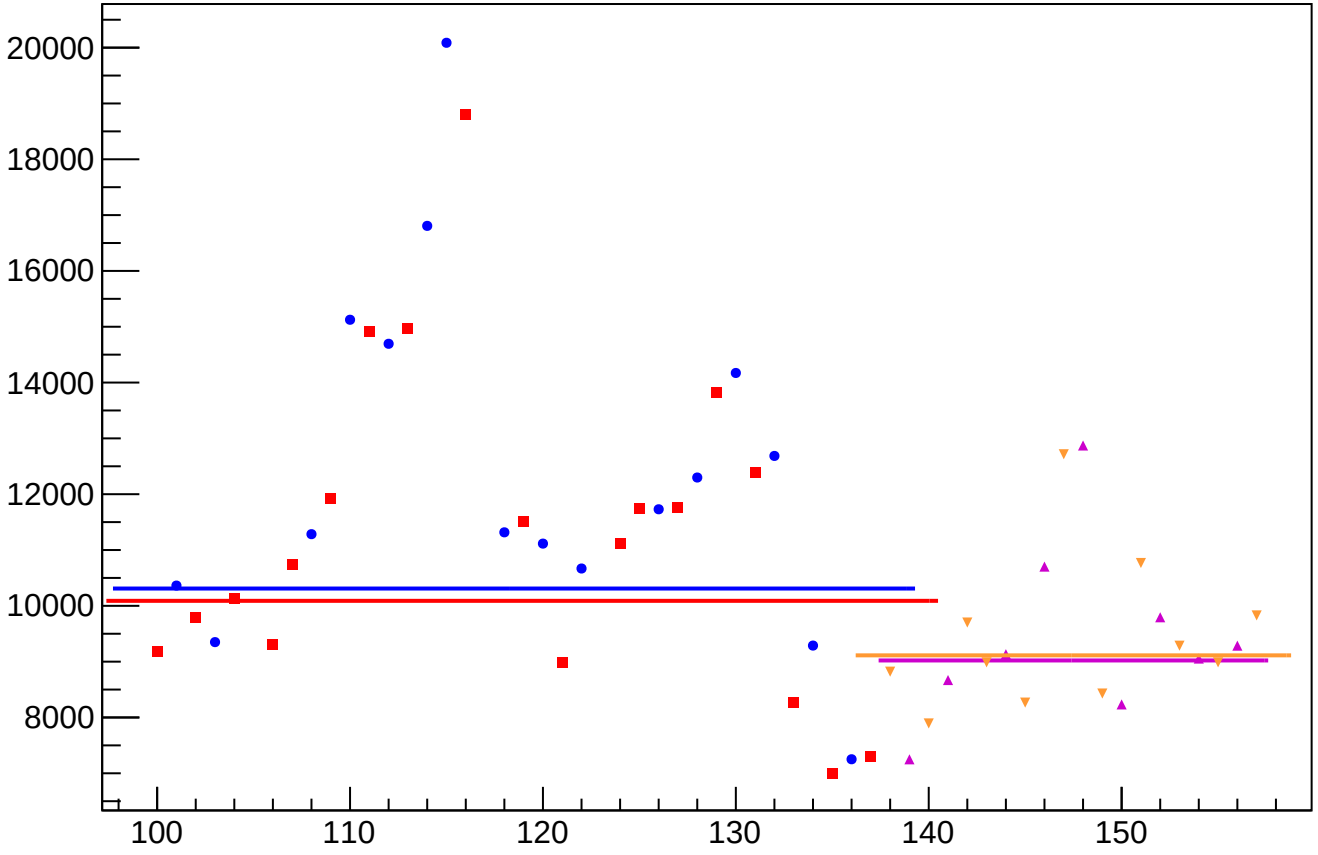
Left In: 4.335+/-3.275 χ^2/NDF:14.0/8

+ sign 3.264+/-2.452 χ^2/NDF: 23.3/26

All: 4.408+/-1.745 χ^2/NDF: 55.3/54

- sign 5.581+/-2.483 χ^2/NDF: 31.6/27

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9112.887+/-2.214 χ^2/NDF:250352.9/10

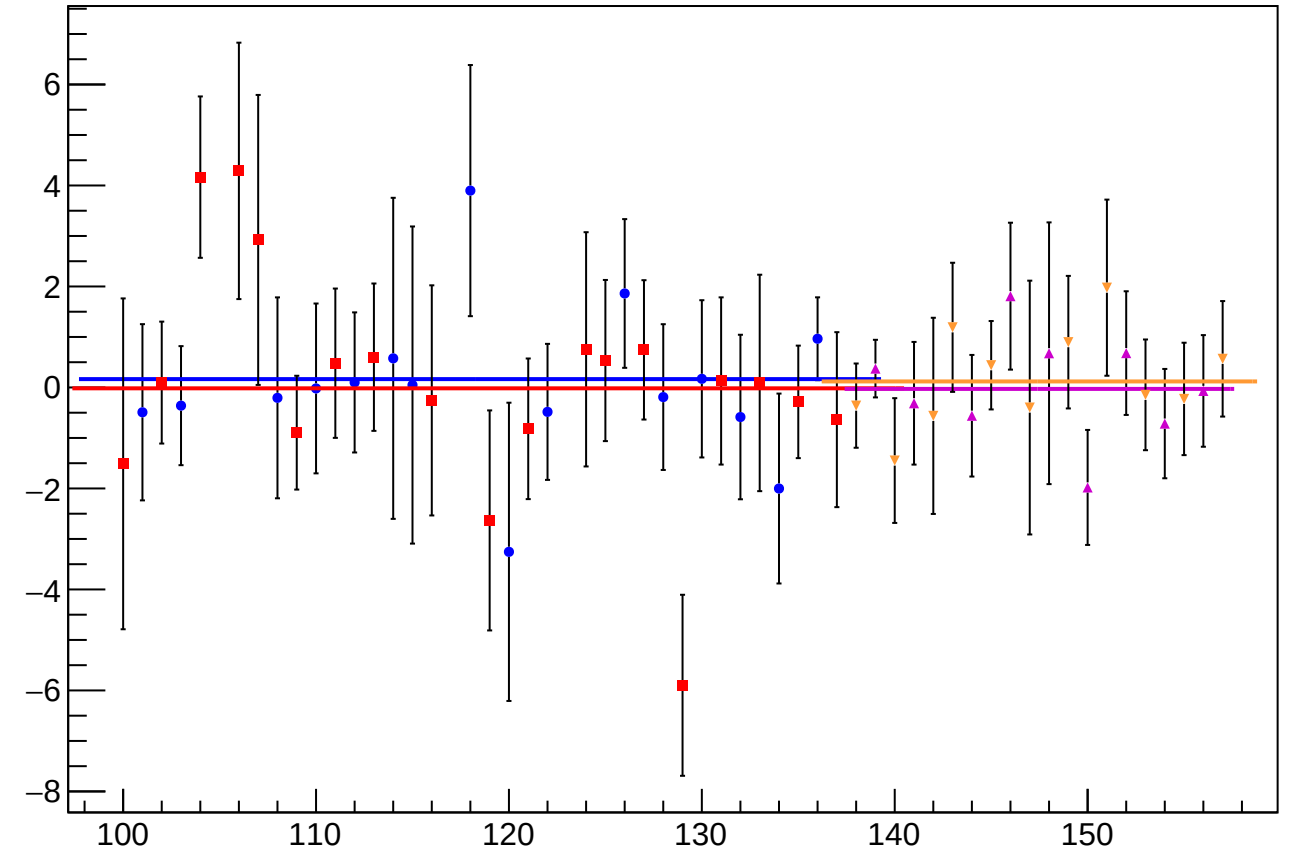
Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9021.406+/-2.316 χ^2/NDF:319024.3/8

+ sign 9575.815+/-1.734 χ^2/NDF: 1133920.1/26

All: 9526.411+/-1.234 χ^2/NDF: 2337859.1/54

- sign 9475.760+/-1.756 χ^2/NDF: 1202294.7/27



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.119+/-0.359 χ^2/NDF:4.7/10

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

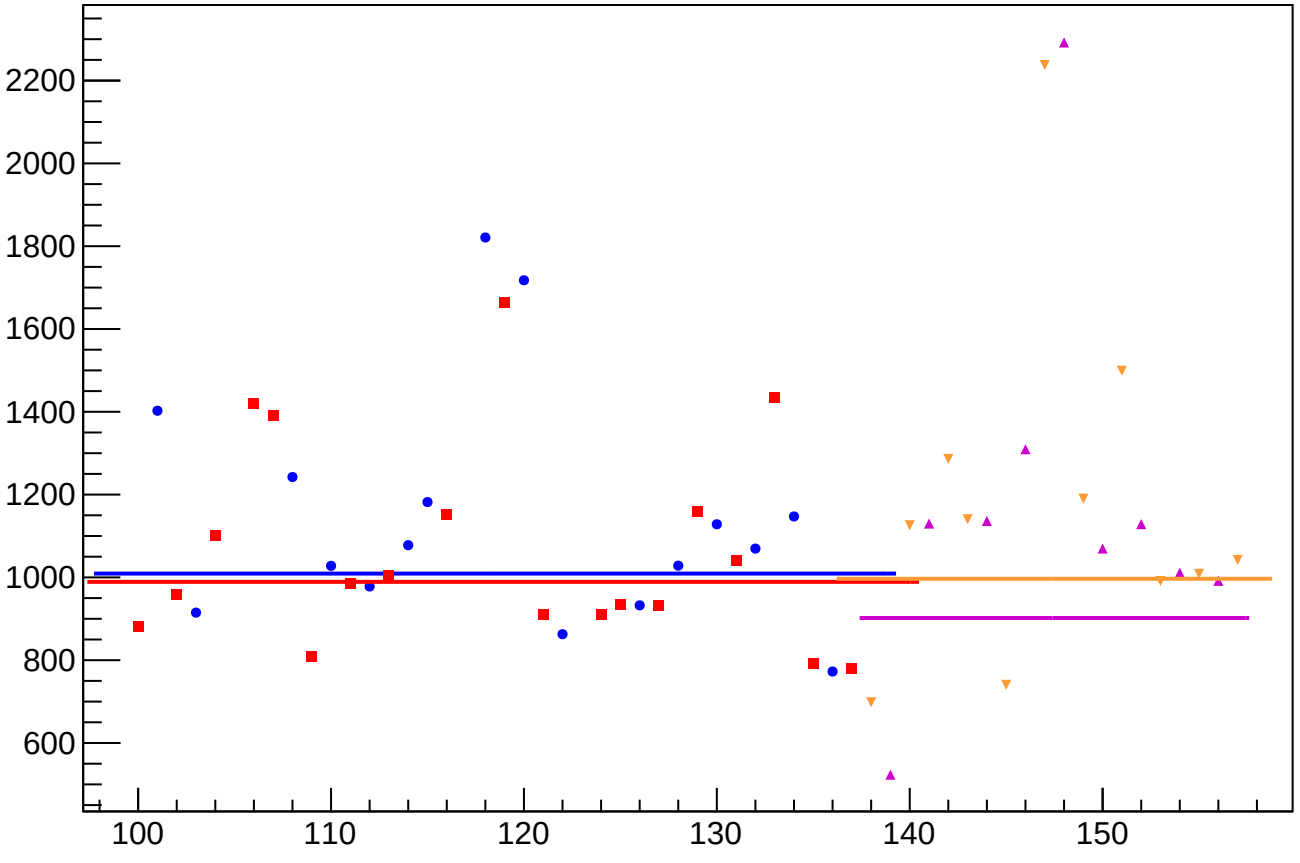
Left In: -0.029+/-0.350 χ^2/NDF:6.1/8

+ sign 0.141+/-0.263 χ^2/NDF: 12.9/26

All: 0.056+/-0.183 χ^2/NDF: 44.3/54

- sign -0.023+/-0.255 χ^2/NDF: 31.3/27

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 996.693+/-0.254 χ^2/NDF:1219073.6/10

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

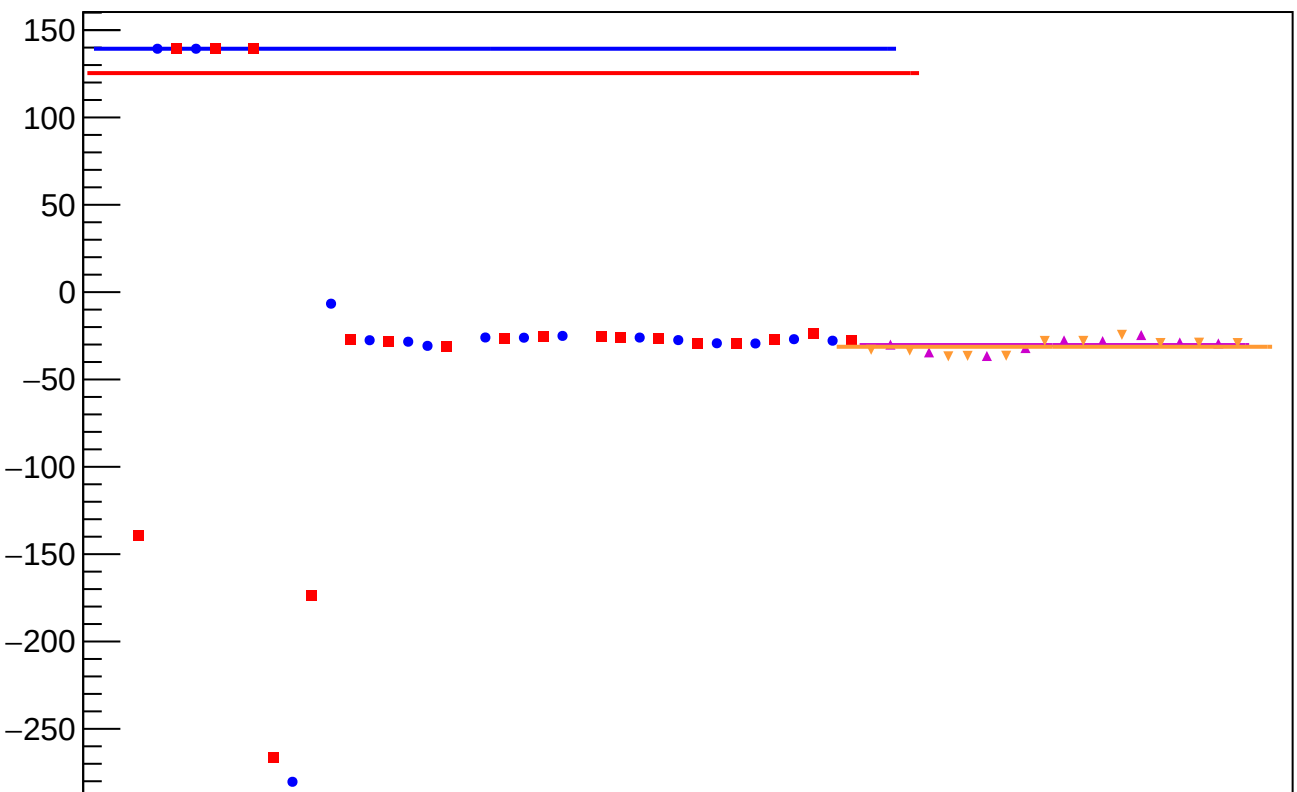
Left In: 901.932+/-0.247 χ^2/NDF:1904780.7/8

+ sign 1002.505+/-0.186 χ^2/NDF: 1919505.3/26

All: 971.748+/-0.129 χ^2/NDF: 4511471.9/54

- sign 942.878+/-0.180 χ^2/NDF: 2538980.8/27

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.277+/-0.000 χ^2/NDF:75318402.4/10

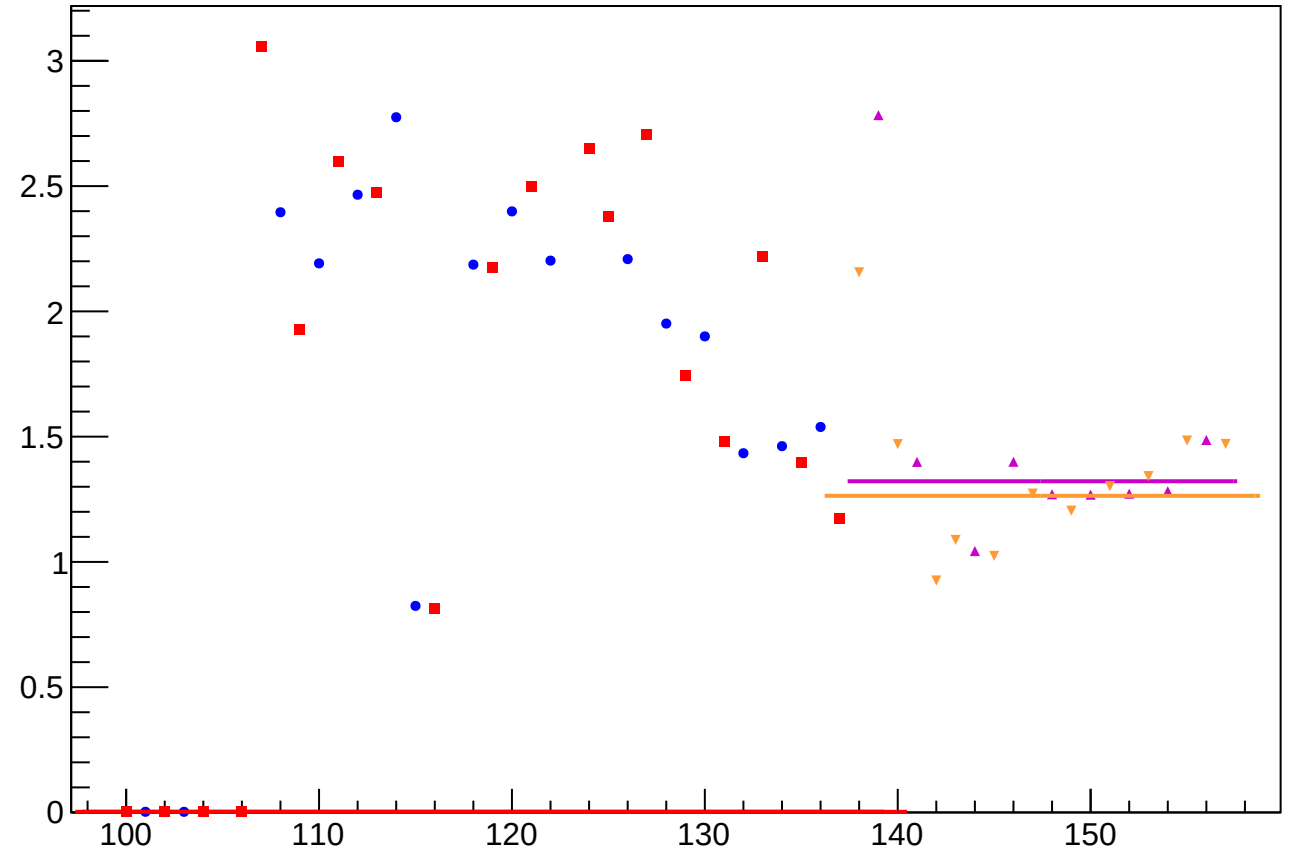
Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.306+/-0.001 χ^2/NDF:51718469.2/8

+ sign 139.333+/-0.000 χ^2/NDF: 168482471515.9/2

All: 131.815+/-0.000 χ^2/NDF: 79320782696

- sign 125.389+/-0.000 χ^2/NDF: 774257873270317



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.264+/-0.000 χ^2/NDF:488775.7/10

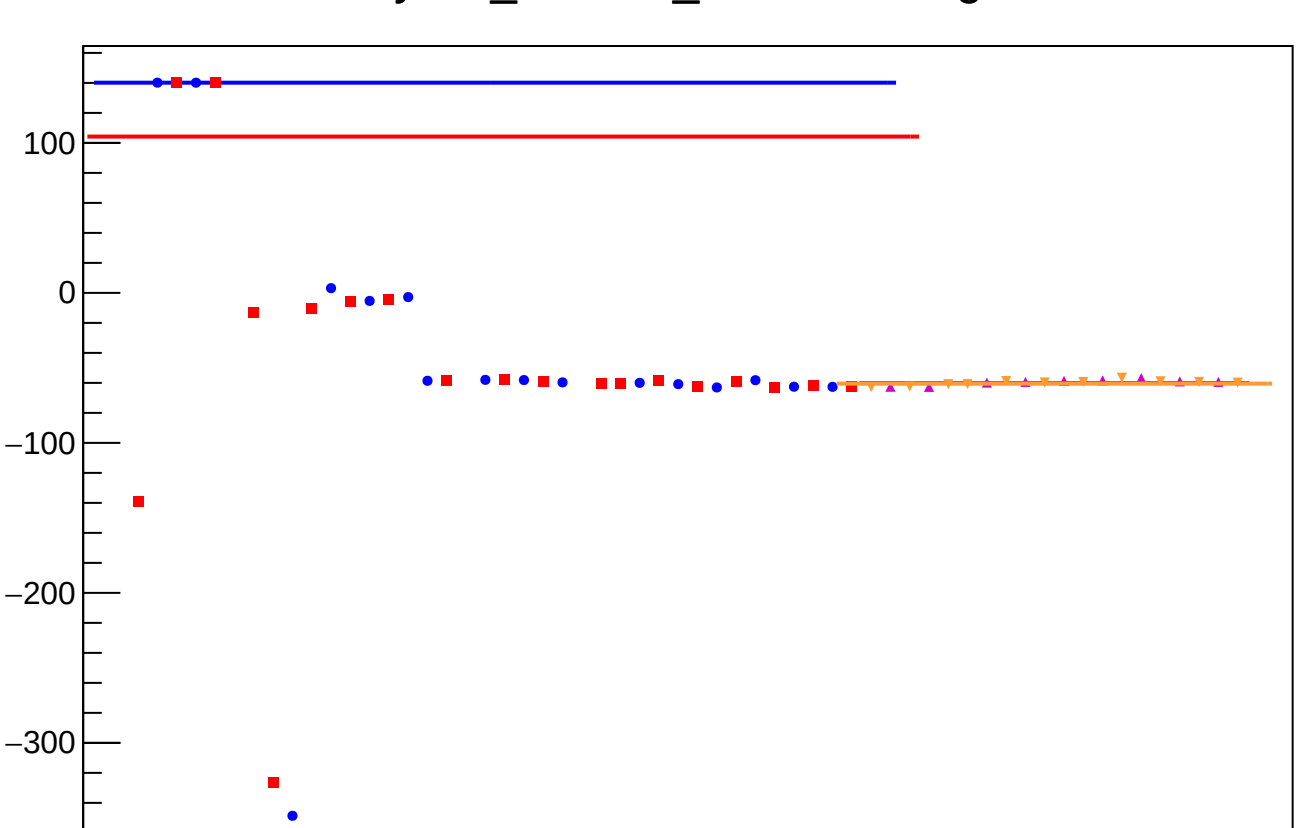
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.322+/-0.000 χ^2/NDF:582350.1/8

+ sign 0.003+/-0.000 χ^2/NDF: 23313498.4/26

All: 0.003+/-0.000 χ^2/NDF: 45793864.8/54

- sign 0.003+/-0.000 χ^2/NDF: 22480085.0/27



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.487+/-0.000 χ^2/NDF:36243302.3/10

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

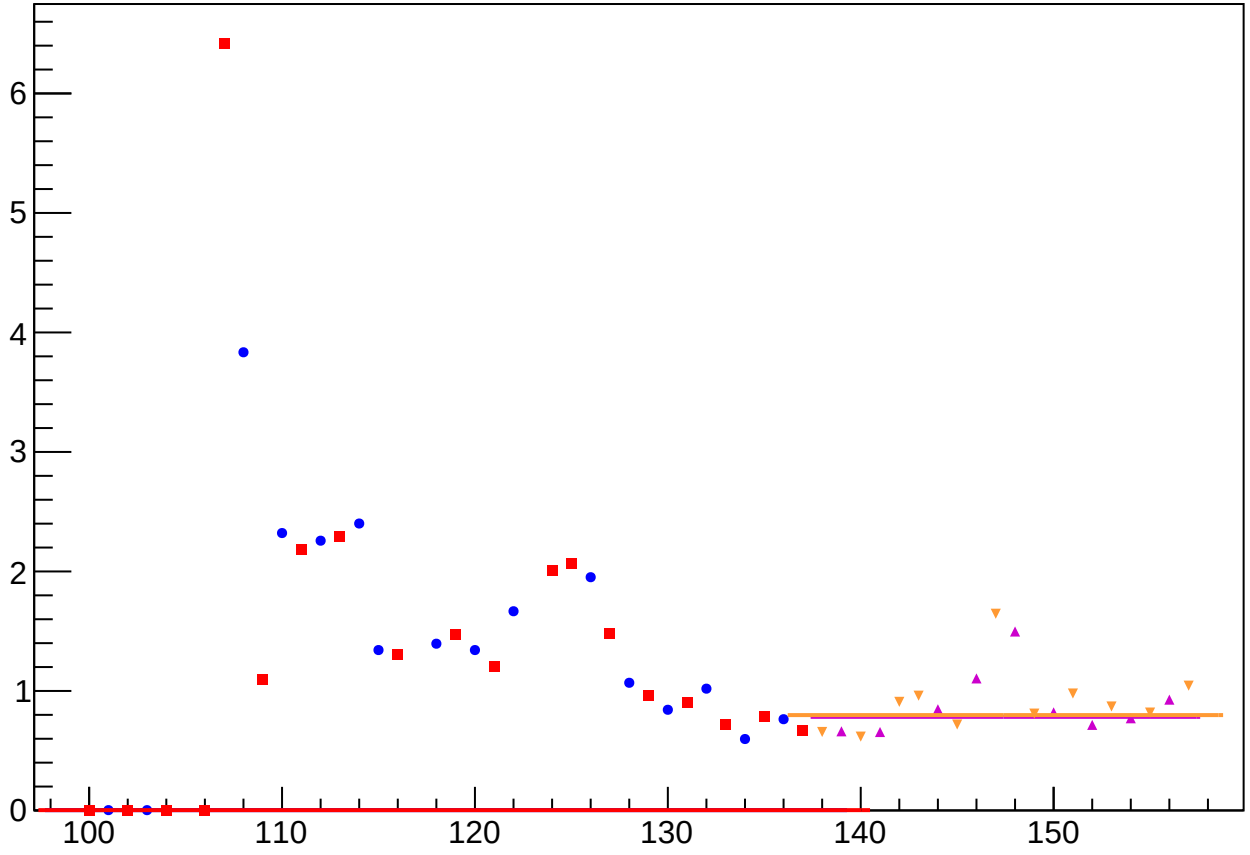
Left In: -60.135+/-0.000 χ^2/NDF:45447404.3/8

+ sign 140.132+/-0.000 χ^2/NDF: 591122286557.4/2

All: 120.822+/-0.000 χ^2/NDF: 13815417043

- sign 104.217+/-0.000 χ^2/NDF: 125766280092054

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.798+/-0.000 χ^2/NDF:763860.5/10

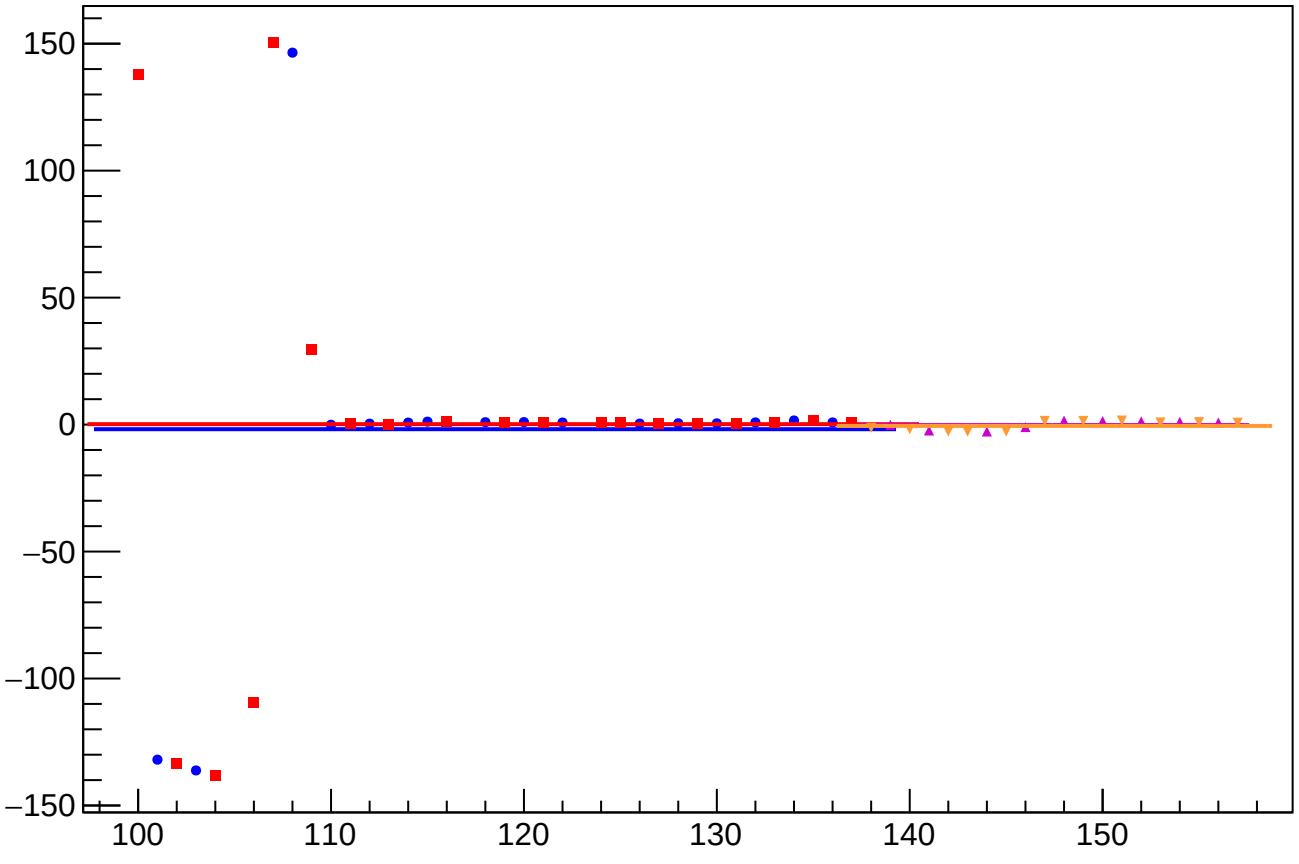
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.783+/-0.000 χ^2/NDF:597212.0/8

+ sign 0.003+/-0.000 χ^2/NDF: 24027228.8/26

All: 0.003+/-0.000 χ^2/NDF: 46663979.7/54

- sign 0.003+/-0.000 χ^2/NDF: 22636425.2/27



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.527+/-0.000 χ^2/NDF:79522390.3/10

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

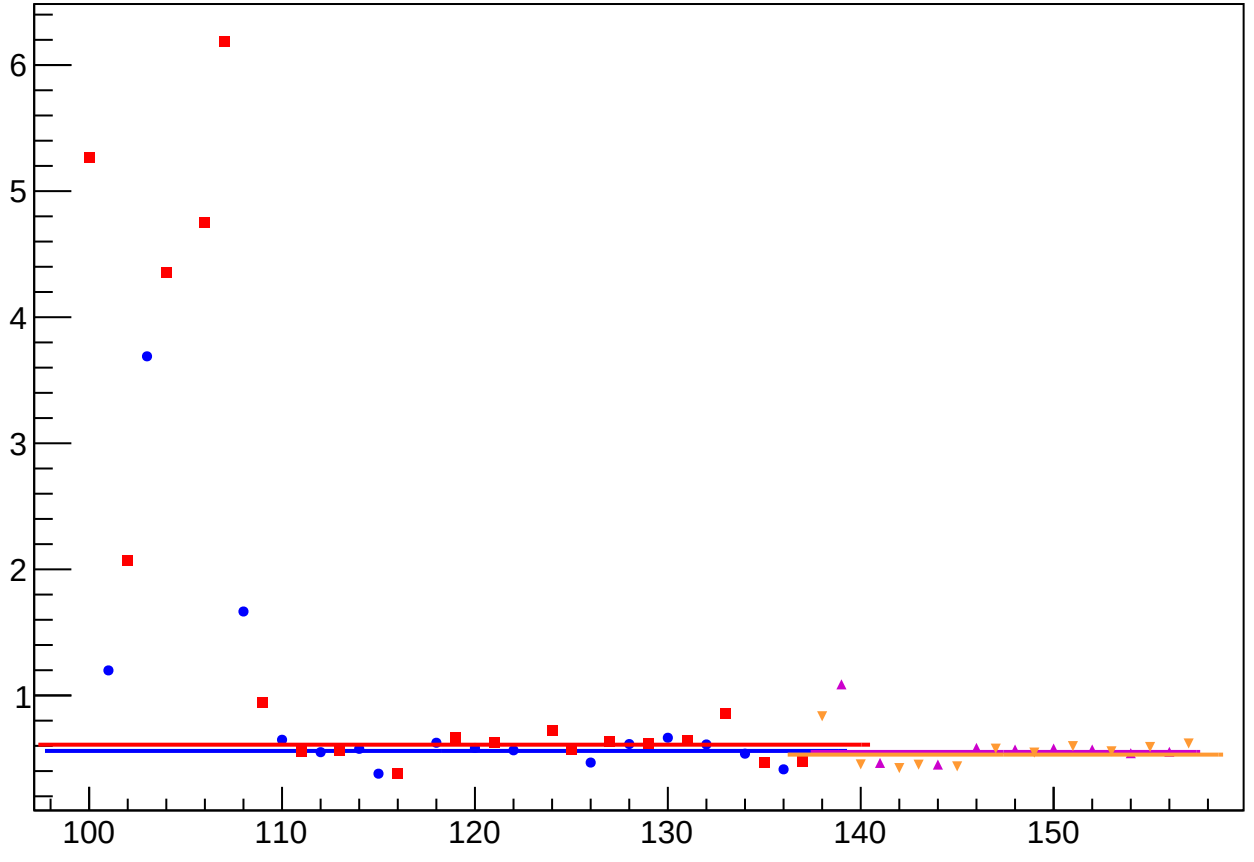
Left In: -0.183+/-0.000 χ^2/NDF:57367156.1/8

+ sign -1.052+/-0.000 χ^2/NDF: 9982644657.1/26

All: -0.591+/-0.000 χ^2/NDF: 13670674201.7/

- sign -0.044+/-0.000 χ^2/NDF: 3669579809.4/27

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.531+/-0.000 χ^2/NDF:409334.6/10

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

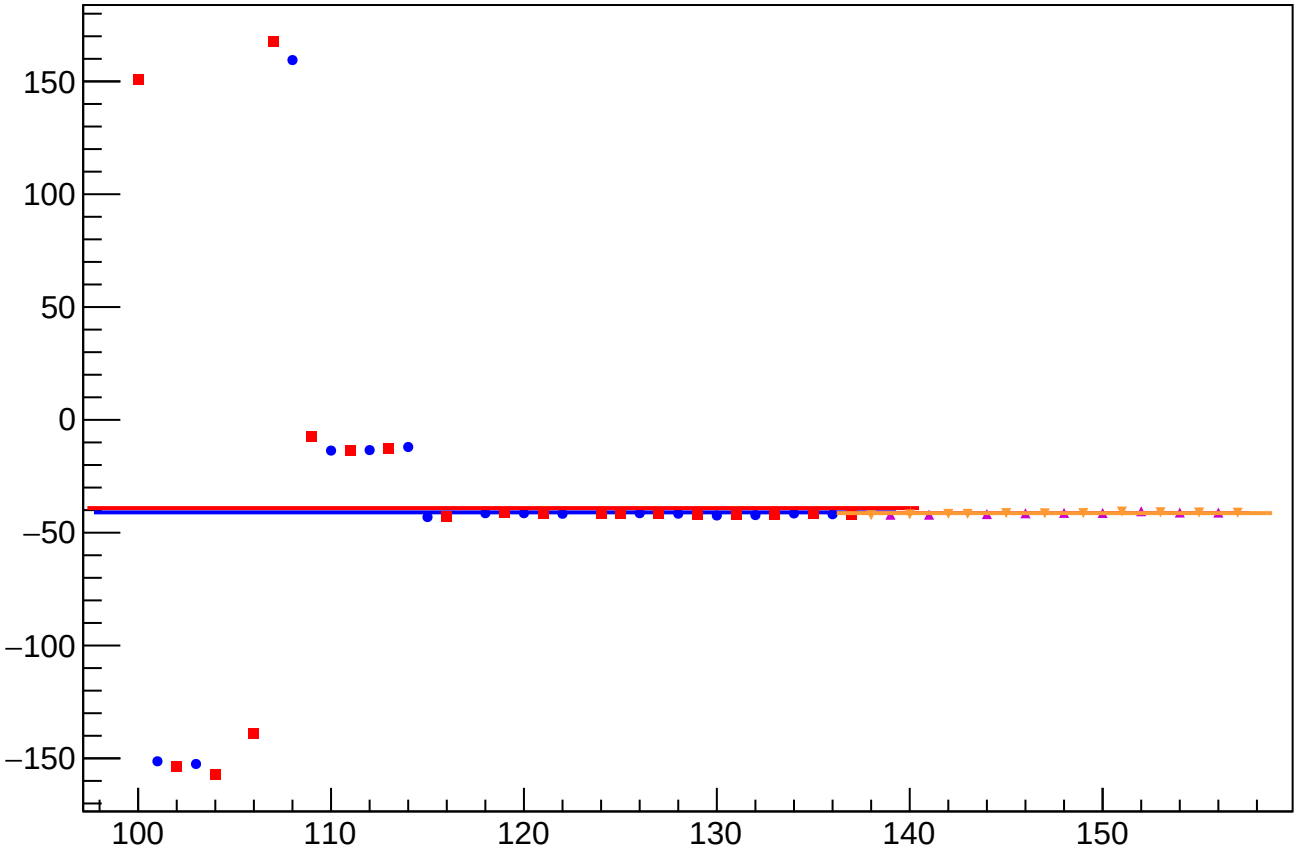
Left In: 0.552+/-0.000 χ^2/NDF:526984.8/8

+ sign 0.542+/-0.000 χ^2/NDF: 2024156.0/26

All: 0.557+/-0.000 χ^2/NDF: 5118289.0/54

- sign 0.575+/-0.000 χ^2/NDF: 3056056.2/27

yield_cav4cY_mean vs Slug



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.324+/-0.000 χ^2/NDF:9227766.1/10

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

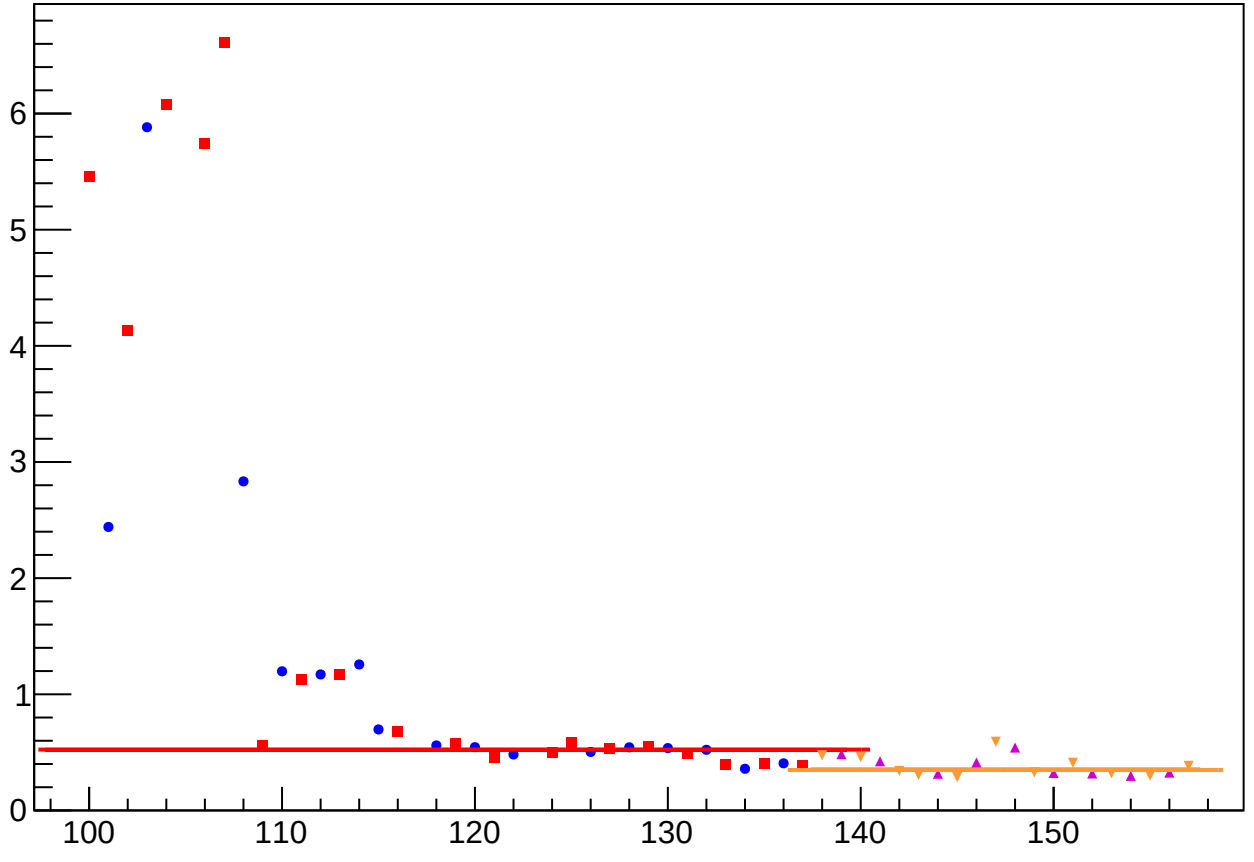
Left In: -41.265+/-0.000 χ^2/NDF:11978422.0/8

+ sign -41.249+/-0.000 χ^2/NDF: 3460481715.1/26

All: -41.012+/-0.000 χ^2/NDF: 6026342062.7/

- sign -40.752+/-0.000 χ^2/NDF: 2556092835.2/27

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.349+/-0.000 χ^2/NDF:663825.3/10

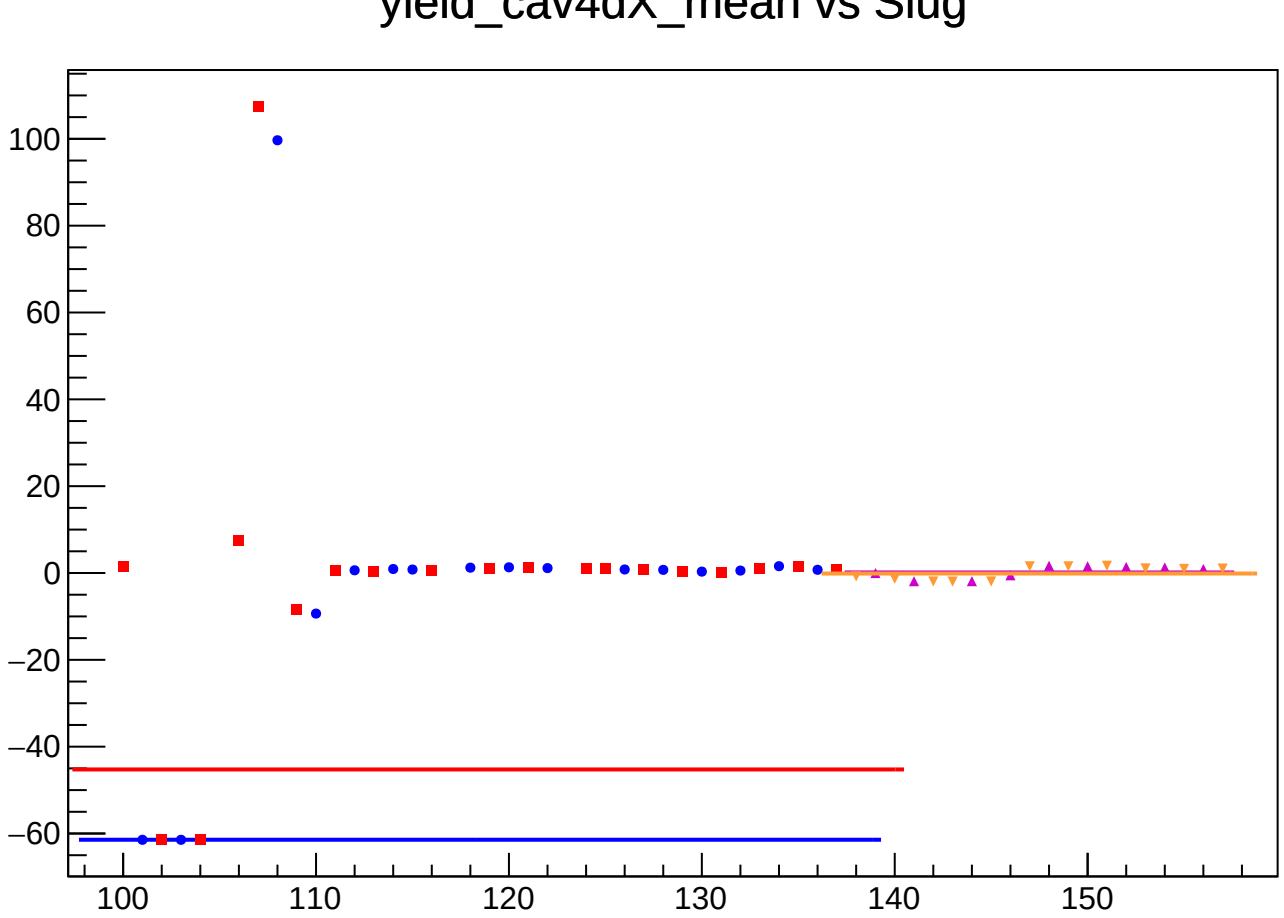
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.351+/-0.000 χ^2/NDF:508604.8/8

+ sign 0.387+/-0.000 χ^2/NDF: 4476220.3/26

All: 0.390+/-0.000 χ^2/NDF: 9065508.1/54

- sign 0.392+/-0.000 χ^2/NDF: 4587237.0/27



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.120+/-0.000 χ^2/NDF:78959903.1/10

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

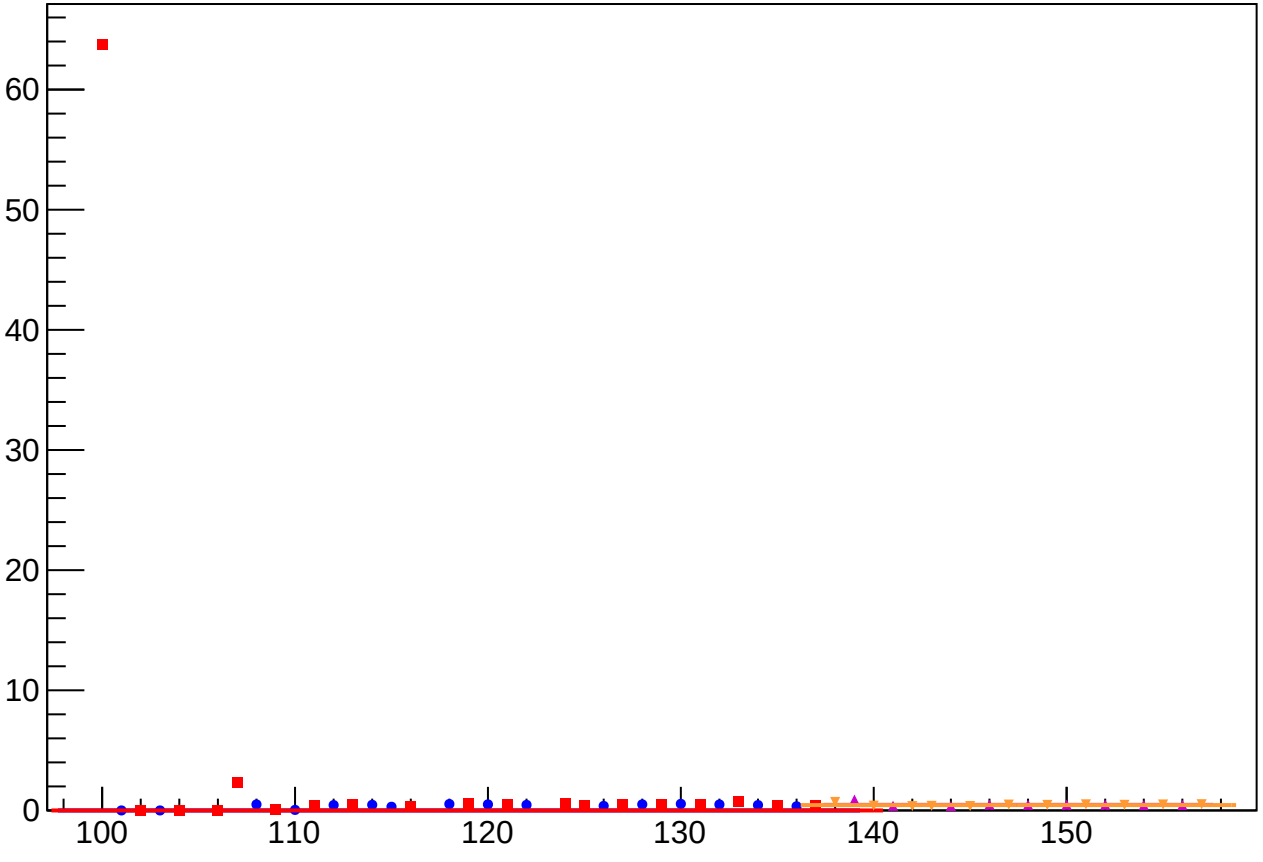
Left In: 0.132+/-0.000 χ^2/NDF:61235084.9/8

+ sign -61.430+/-0.000 χ^2/NDF: 397950212078.5/2

All: -52.745+/-0.000 χ^2/NDF: 40929333655

- sign -45.242+/-0.000 χ^2/NDF: 357929034424097.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.448+/-0.000 χ^2/NDF:401407.4/10

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

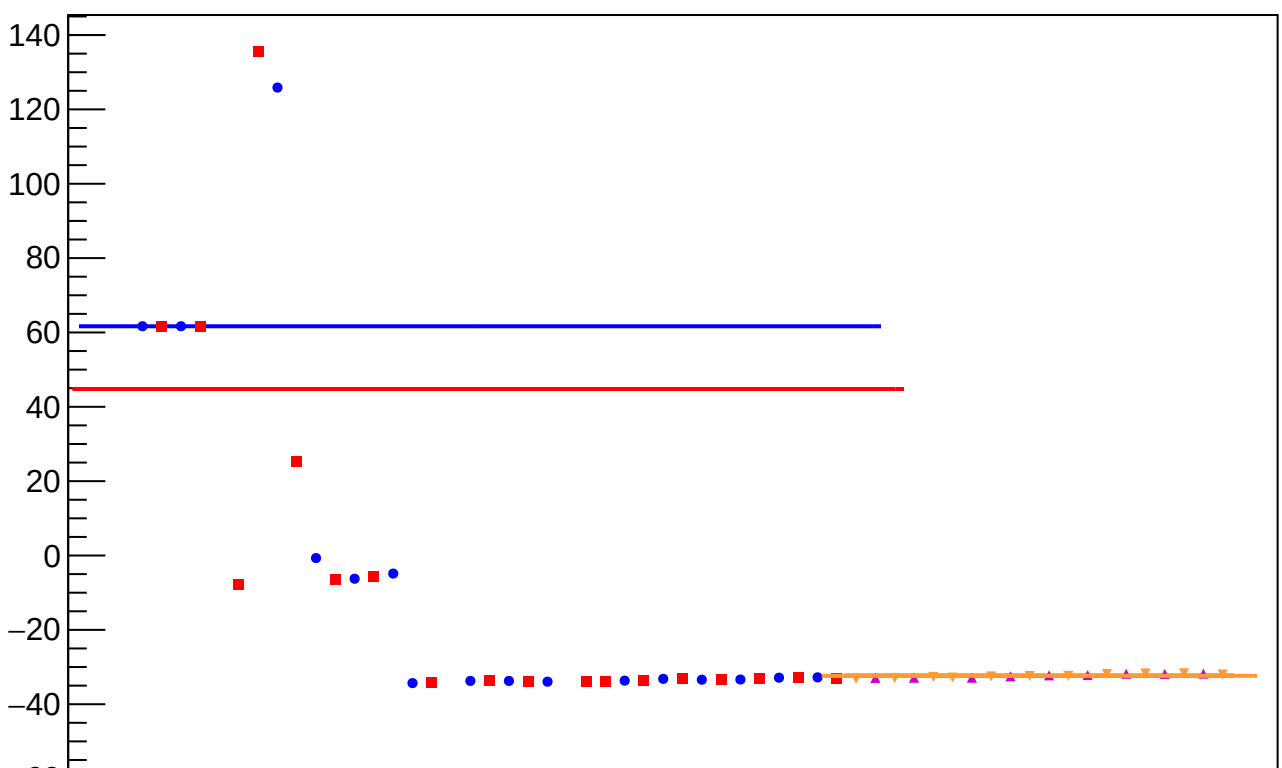
Left In: 0.463+/-0.000 χ^2/NDF:522659.9/8

+ sign 0.002+/-0.000 χ^2/NDF: 22768042.9/26

All: 0.001+/-0.000 χ^2/NDF: 44783187.7/54

- sign 0.001+/-0.000 χ^2/NDF: 22015090.4/27

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.365+/-0.000 χ^2/NDF:21752963.8/10

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

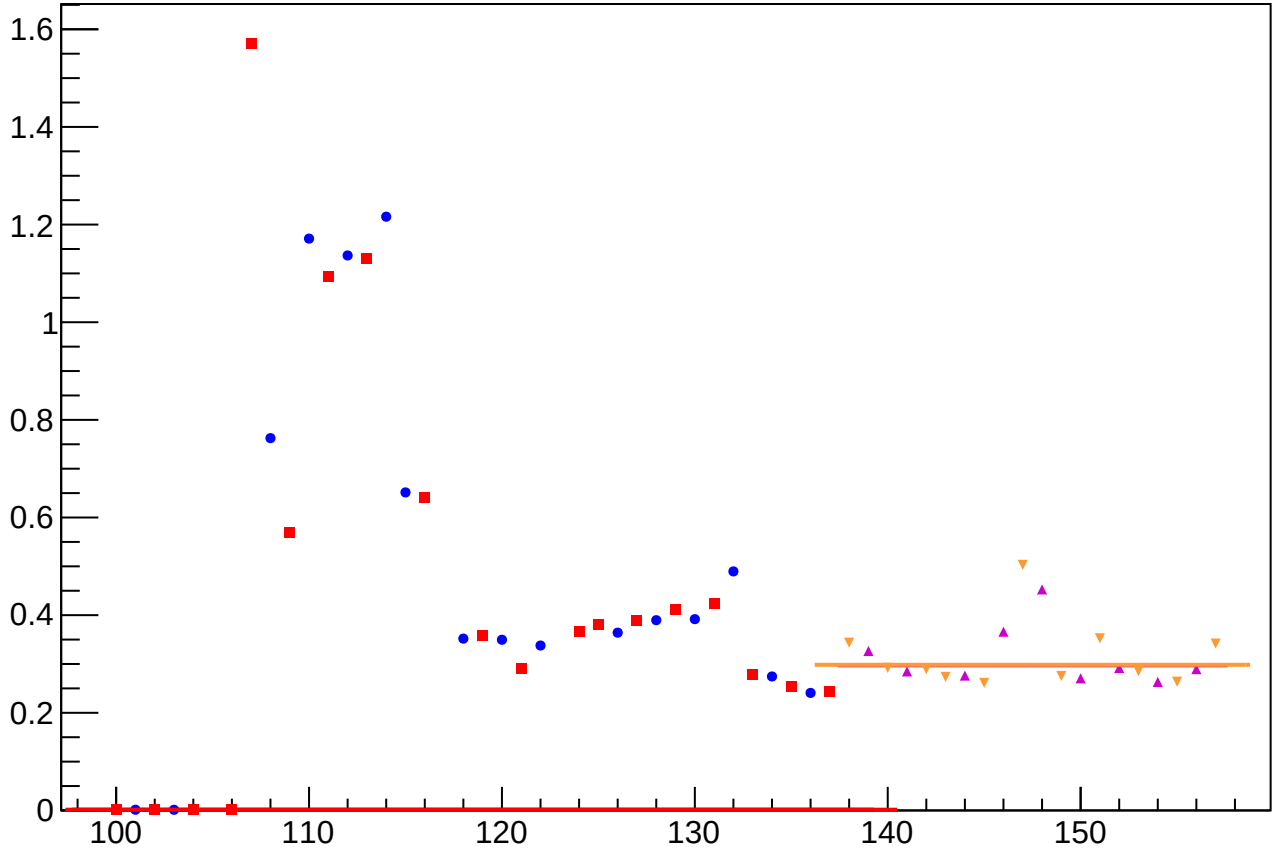
Left In: -32.301+/-0.000 χ^2/NDF:18418768.2/8

+ sign 61.637+/-0.000 χ^2/NDF: 1171125792314.1/2

All: 52.668+/-0.000 χ^2/NDF: 418827059000

- sign 44.769+/-0.000 χ^2/NDF: 366590866994519.2

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.298+/-0.000 χ^2/NDF:440474.0/10

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

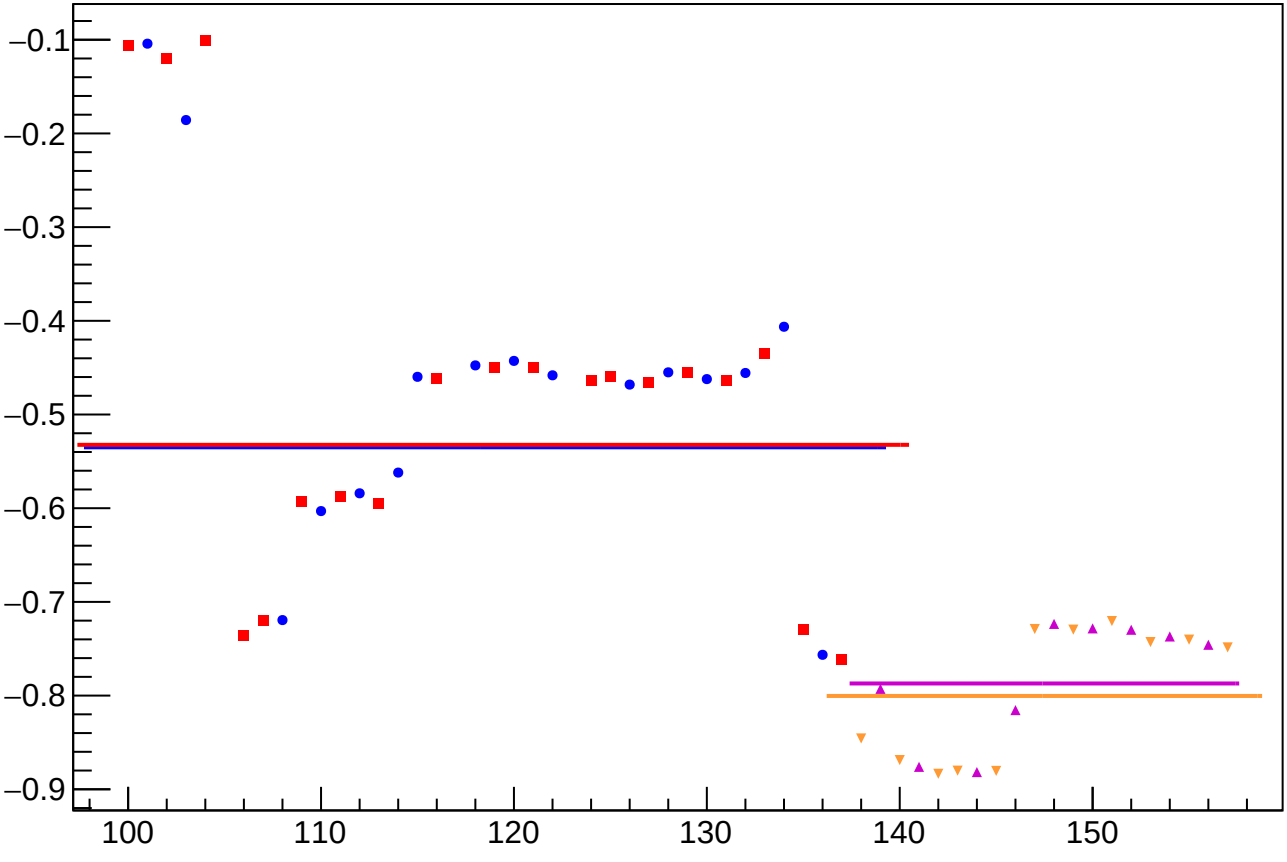
Left In: 0.297+/-0.000 χ^2/NDF:318754.9/8

+ sign 0.002+/-0.000 χ^2/NDF: 27443838.7/26

All: 0.002+/-0.000 χ^2/NDF: 52925079.6/54

- sign 0.002+/-0.000 χ^2/NDF: 25481236.3/27

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.800+/-0.000 χ^2/NDF:88442919.4/10

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

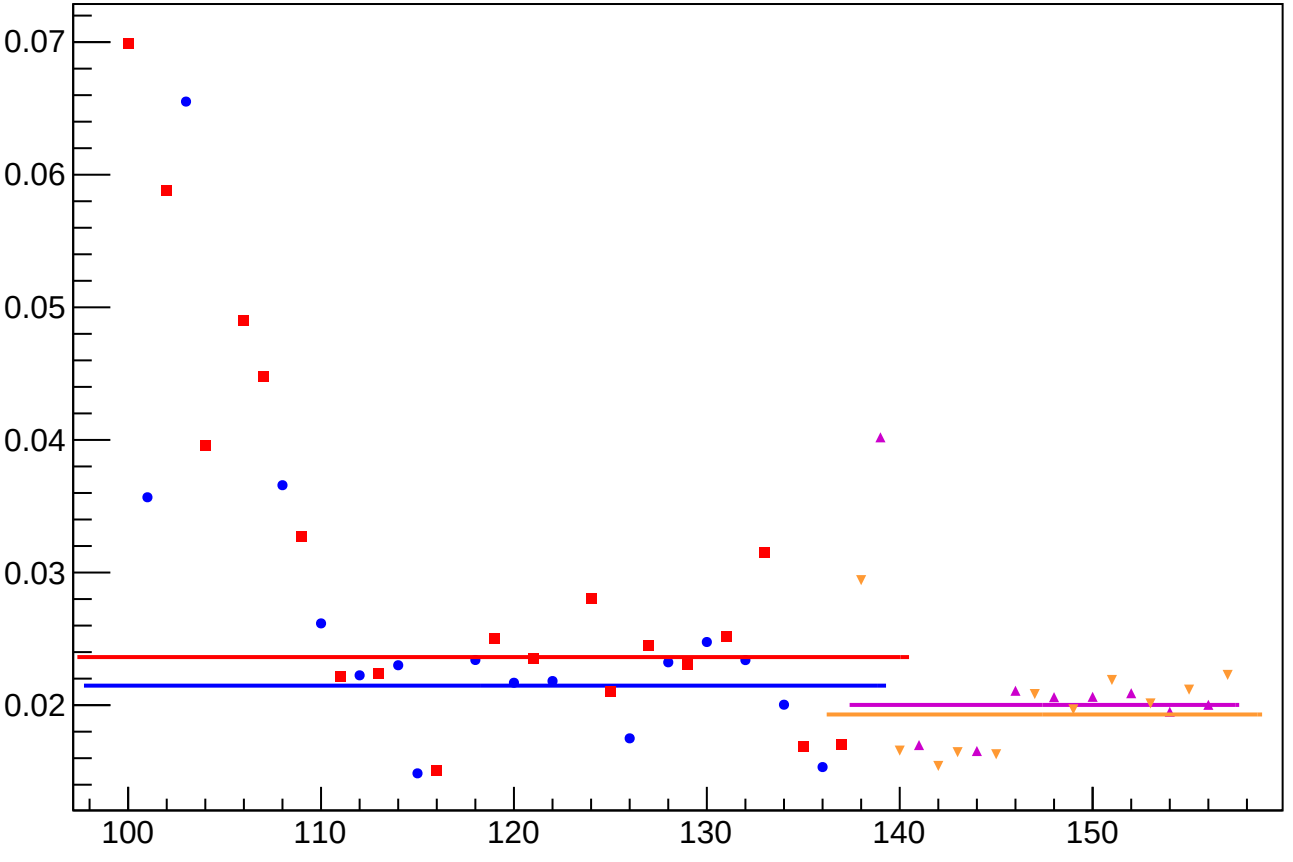
Left In: -0.787+/-0.000 χ^2/NDF:64899691.5/8

+ sign -0.695+/-0.000 χ^2/NDF: 884444902.1/26

All: -0.691+/-0.000 χ^2/NDF: 1555856735.7/5

- sign -0.686+/-0.000 χ^2/NDF: 670195611.9/27

yield_bpm4aX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:360248.0/10

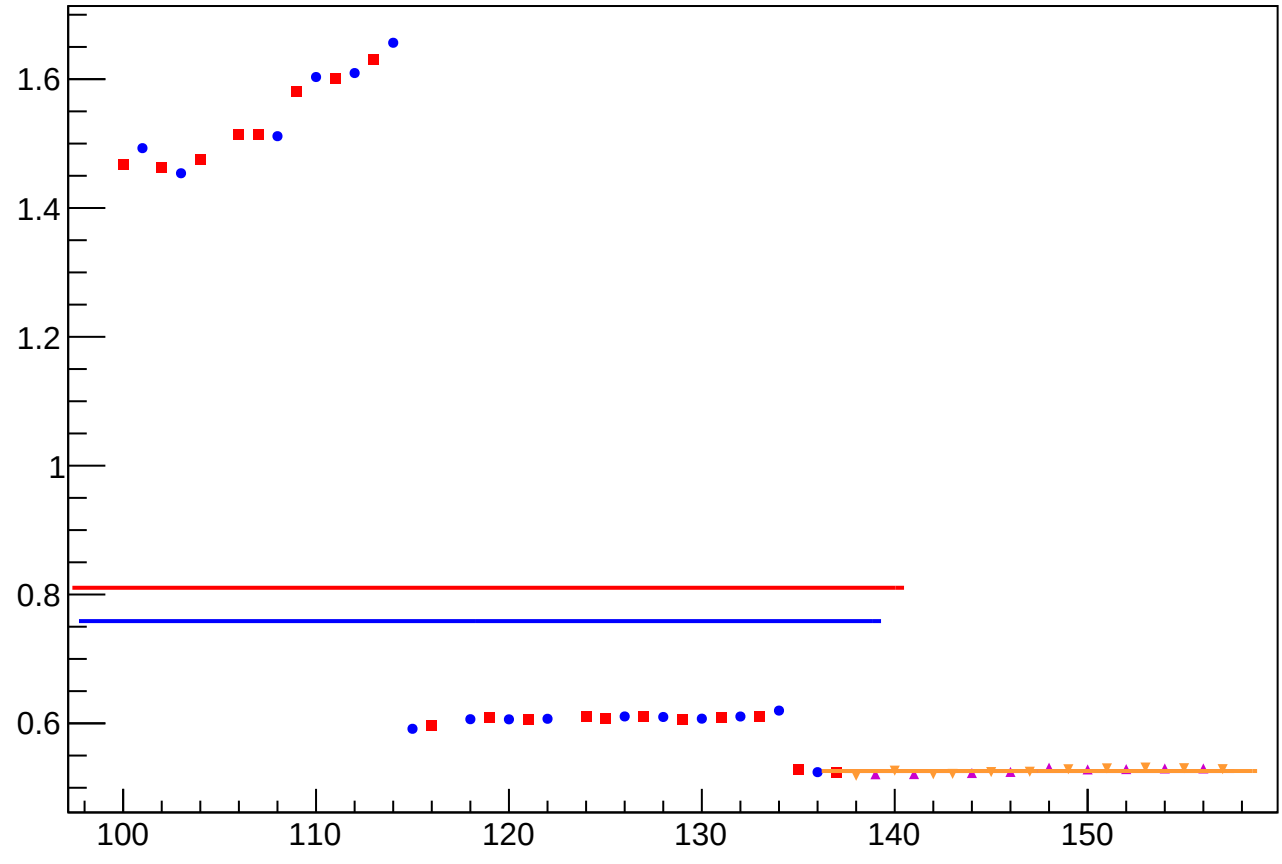
Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:530083.9/8

+ sign 0.020+/-0.000 χ^2/NDF: 1580763.6/26

All: 0.021+/-0.000 χ^2/NDF: 3590395.0/54

- sign 0.021+/-0.000 χ^2/NDF: 1964284.4/27



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.526+/-0.000 χ^2/NDF:910494.8/10

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

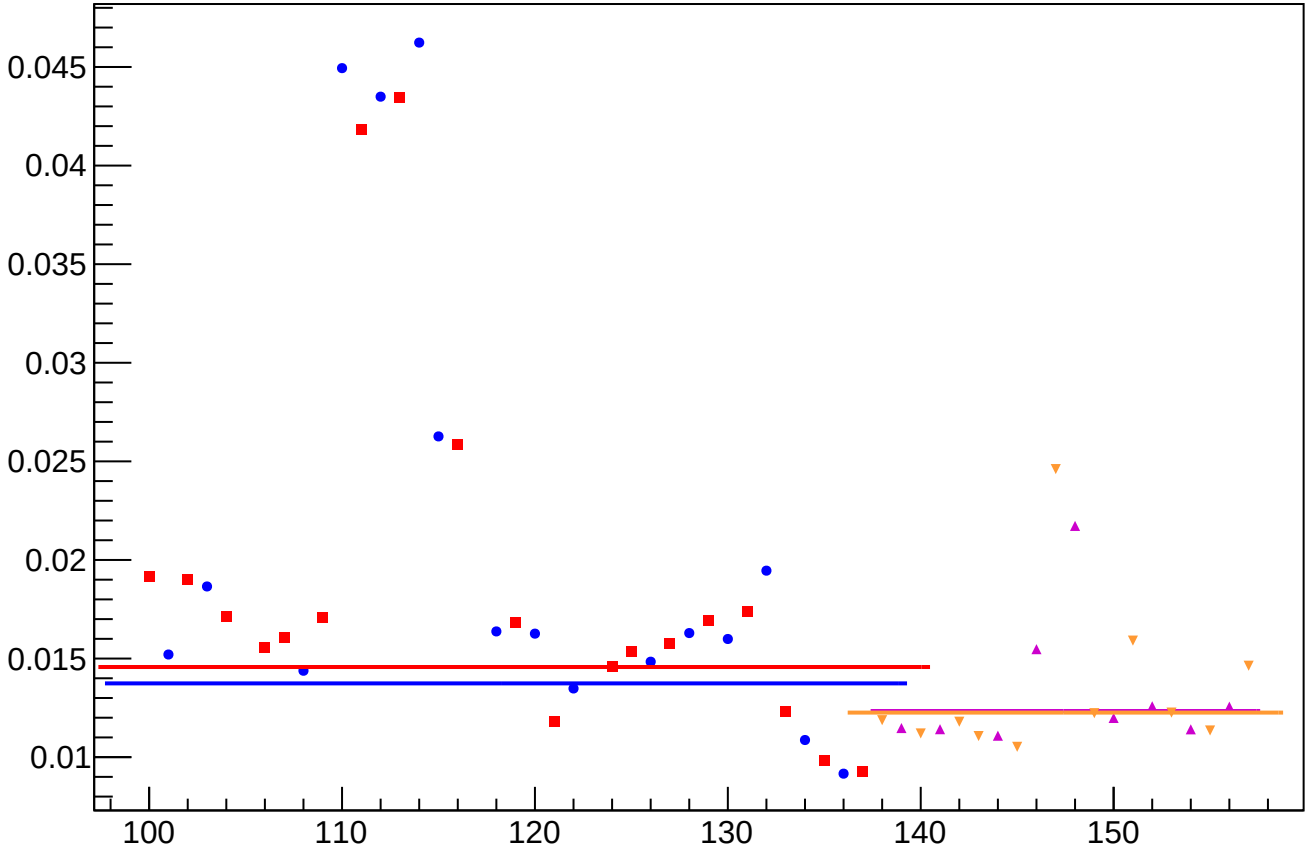
Left In: 0.526+/-0.000 χ^2/NDF:700365.7/8

+ sign 0.612+/-0.000 χ^2/NDF: 5378796304.5/26

All: 0.623+/-0.000 χ^2/NDF: 11644392135.6/5

- sign 0.634+/-0.000 χ^2/NDF: 6247108809.8/27

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:611588.4/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

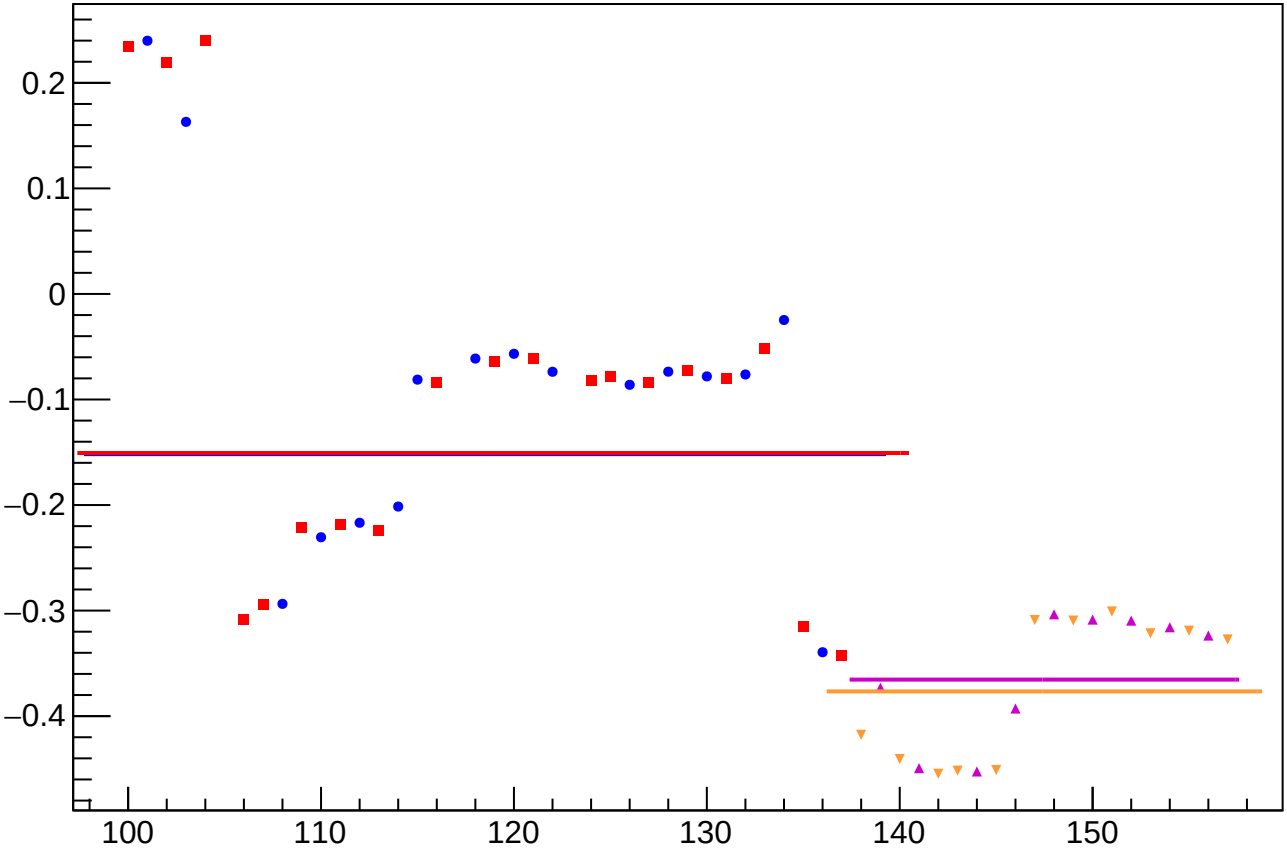
Left In: 0.012+/-0.000 χ^2/NDF:415924.8/8

+ sign 0.013+/-0.000 χ^2/NDF: 2348325.6/26

All: 0.013+/-0.000 χ^2/NDF: 4412569.1/54

- sign 0.013+/-0.000 χ^2/NDF: 2052811.1/27

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.377+/-0.000 χ^2/NDF:86734573.5/10

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

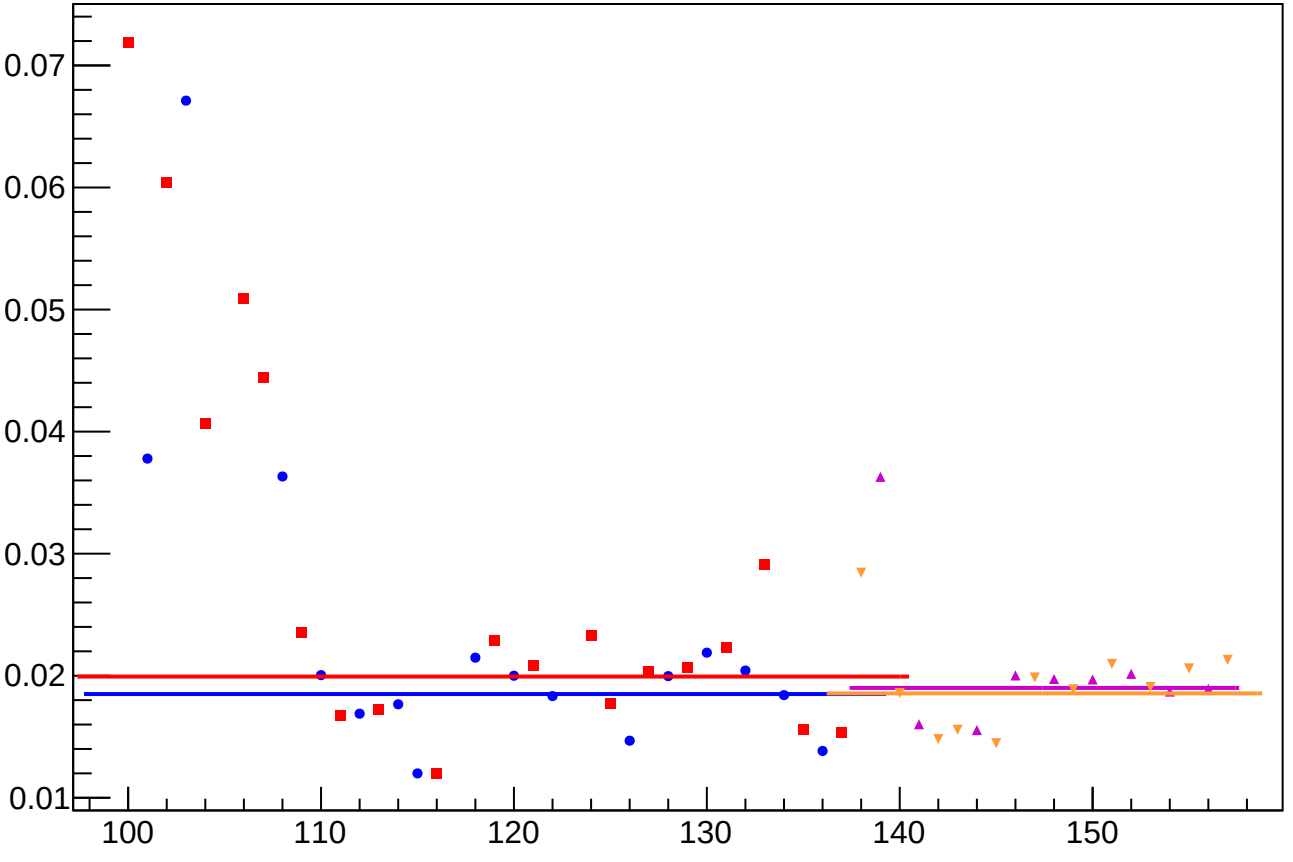
Left In: -0.365+/-0.000 χ^2/NDF:66133906.8/8

+ sign -0.277+/-0.000 χ^2/NDF: 798161161.4/26

All: -0.274+/-0.000 χ^2/NDF: 1414579233.3/5

- sign -0.270+/-0.000 χ^2/NDF: 615458527.2/27

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:396804.8/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

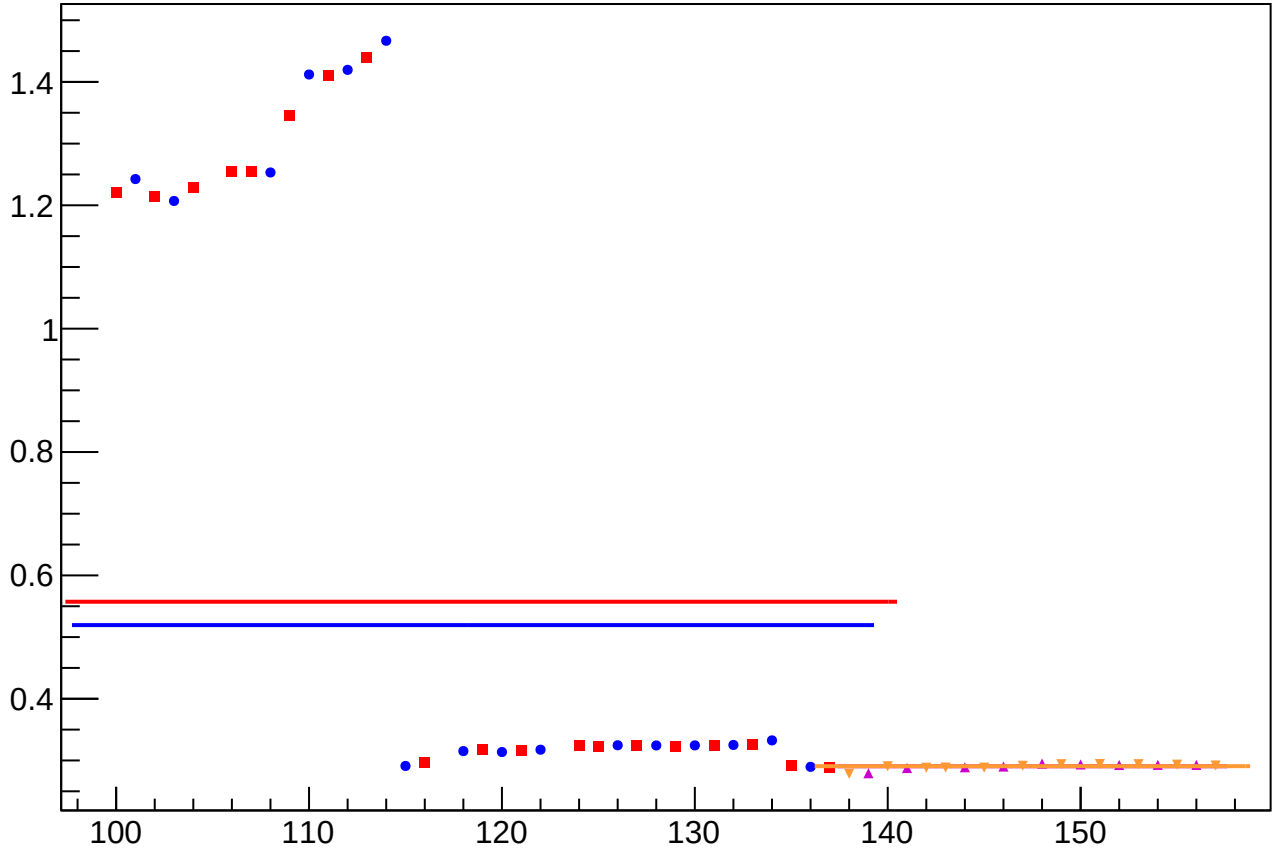
Left In: 0.019+/-0.000 χ^2/NDF:502793.1/8

+ sign 0.019+/-0.000 χ^2/NDF: 1769211.9/26

All: 0.019+/-0.000 χ^2/NDF: 3858480.6/54

- sign 0.019+/-0.000 χ^2/NDF: 2063495.8/27

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1018910.4/10

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

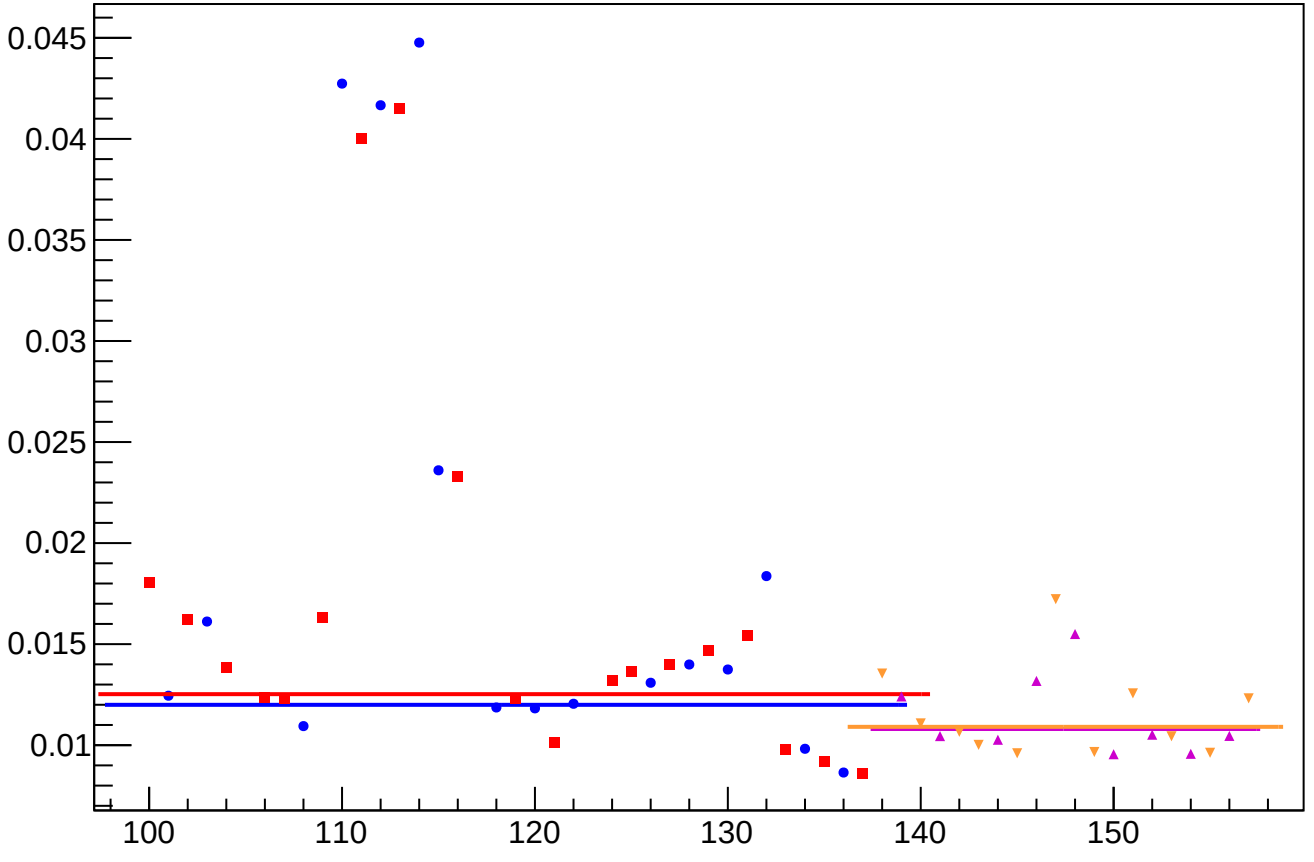
Left In: 0.291+/-0.000 χ^2/NDF:1031017.5/8

+ sign 0.377+/-0.000 χ^2/NDF: 7665435098.9/26

All: 0.385+/-0.000 χ^2/NDF: 16142301784.6/5

- sign 0.392+/-0.000 χ^2/NDF: 8465098182.2/27

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:420058.1/10

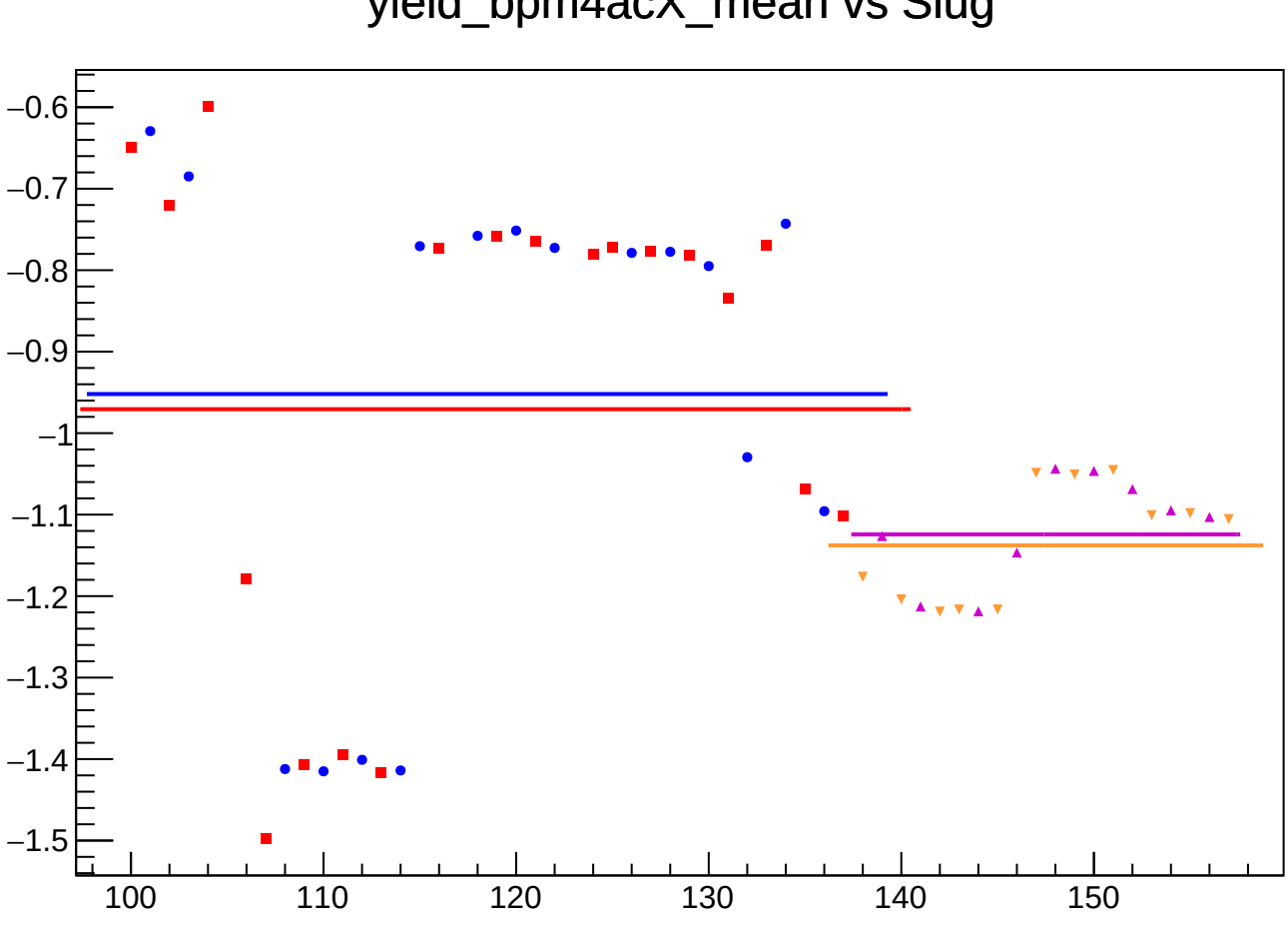
Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:295714.0/8

+ sign 0.011+/-0.000 χ^2/NDF: 1972665.4/26

All: 0.011+/-0.000 χ^2/NDF: 3848107.7/54

- sign 0.011+/-0.000 χ^2/NDF: 1873430.2/27



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.138+/-0.000 χ^2/NDF:94238490.9/10

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

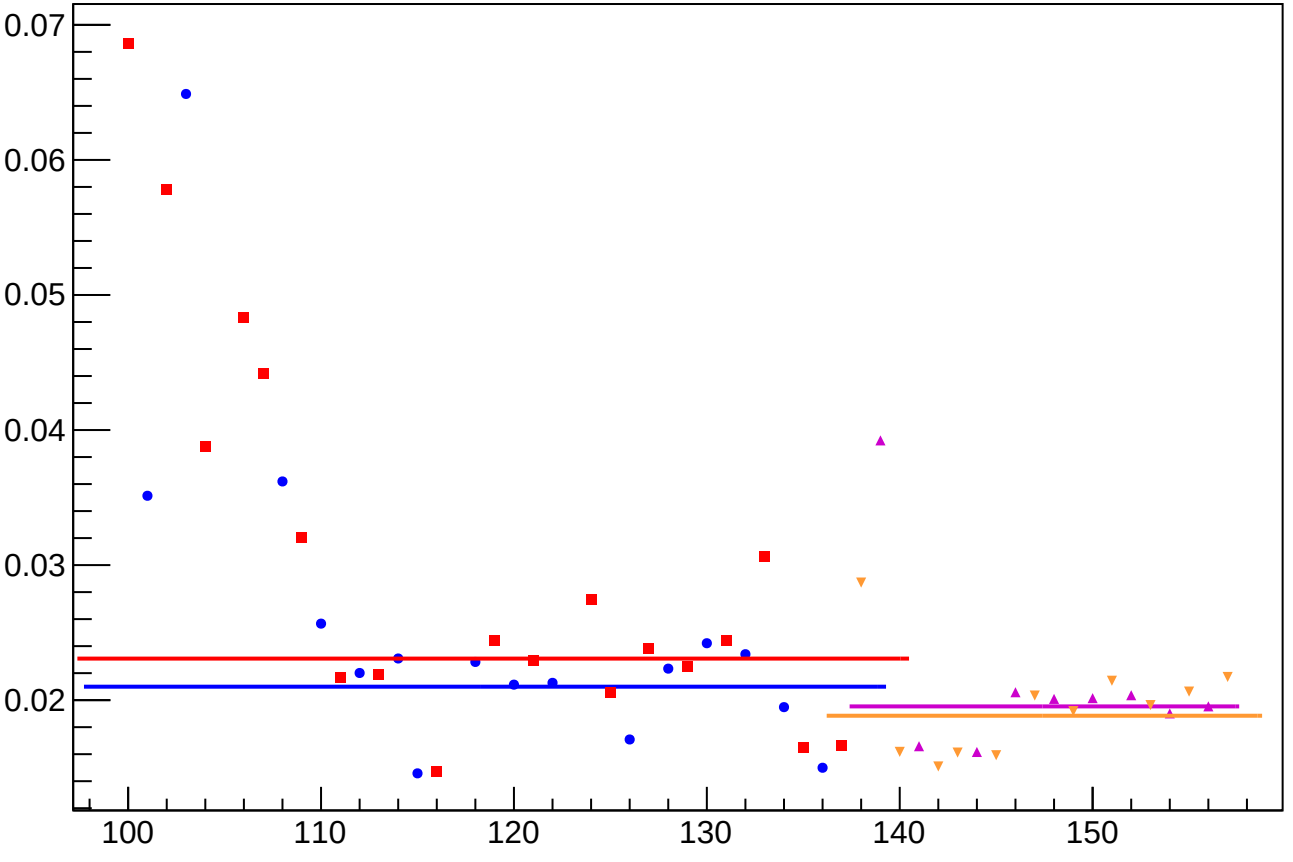
Left In: -1.124+/-0.000 χ^2/NDF:70409853.3/8

+ sign -1.065+/-0.000 χ^2/NDF: 1047312053.2/26

All: -1.064+/-0.000 χ^2/NDF: 1981293334.4/5

- sign -1.064+/-0.000 χ^2/NDF: 933966966.3/27

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:357018.9/10

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

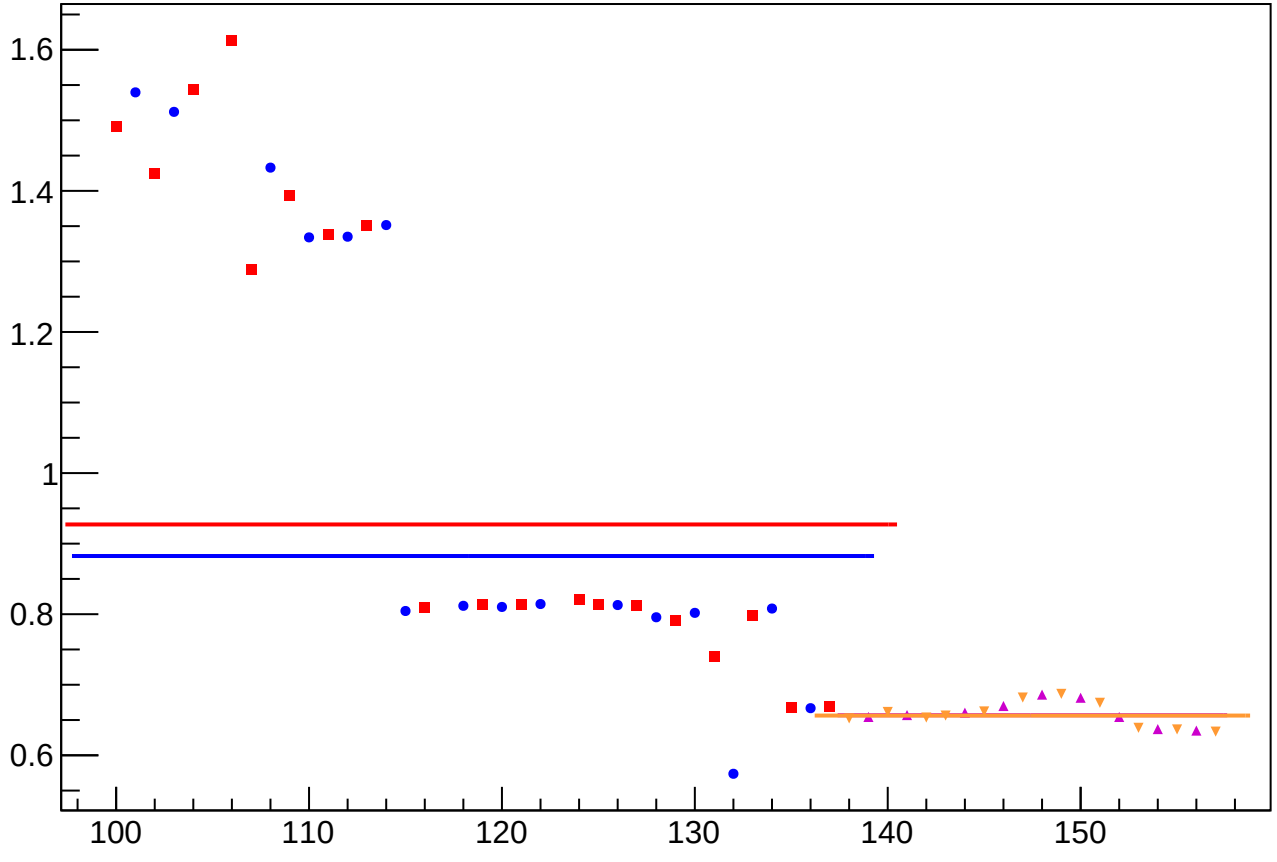
Left In: 0.020+/-0.000 χ^2/NDF:529092.8/8

+ sign 0.020+/-0.000 χ^2/NDF: 1592062.4/26

All: 0.020+/-0.000 χ^2/NDF: 3604535.9/54

- sign 0.021+/-0.000 χ^2/NDF: 1968564.0/27

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.656+/-0.000 χ^2/NDF:13495921.5/10

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

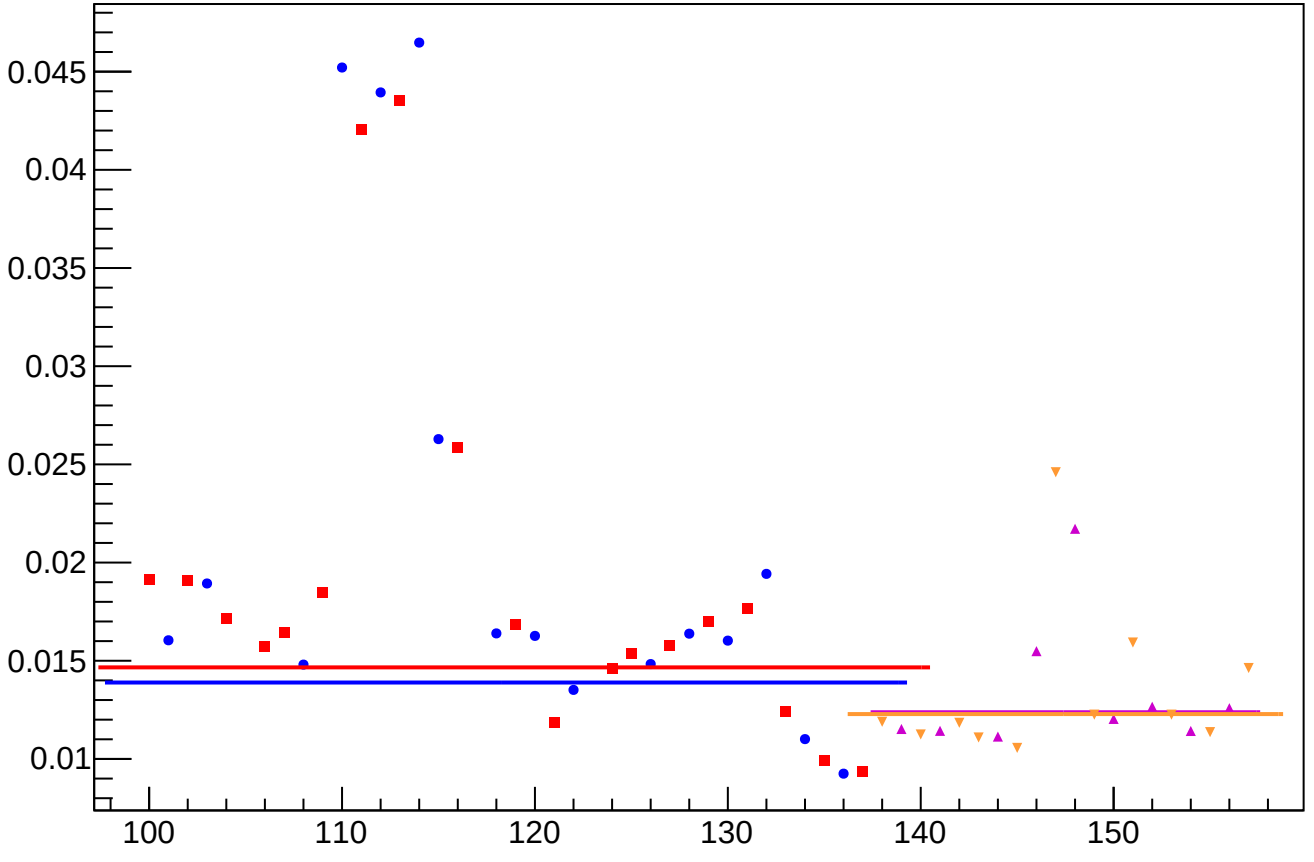
Left In: 0.657+/-0.000 χ^2/NDF:10917330.6/8

+ sign 0.739+/-0.000 χ^2/NDF: 3793488203.0/26

All: 0.748+/-0.000 χ^2/NDF: 7899011220.6/54

- sign 0.758+/-0.000 χ^2/NDF: 4090434400.2/27

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:606338.9/10

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

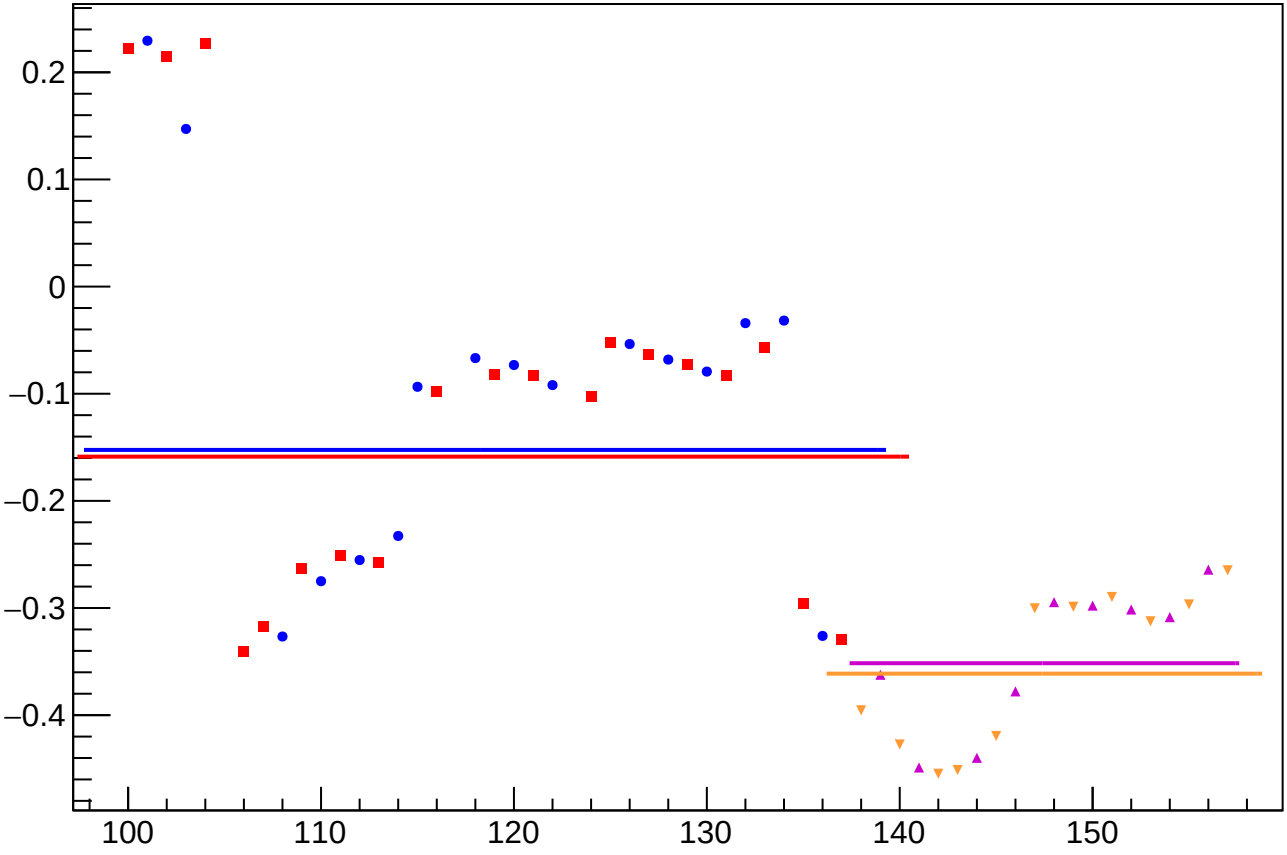
Left In: 0.012+/-0.000 χ^2/NDF:412321.0/8

+ sign 0.013+/-0.000 χ^2/NDF: 2353597.3/26

All: 0.013+/-0.000 χ^2/NDF: 4431536.4/54

- sign 0.013+/-0.000 χ^2/NDF: 2067279.0/27

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.361+/-0.000 χ^2/NDF:96904847.5/10

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

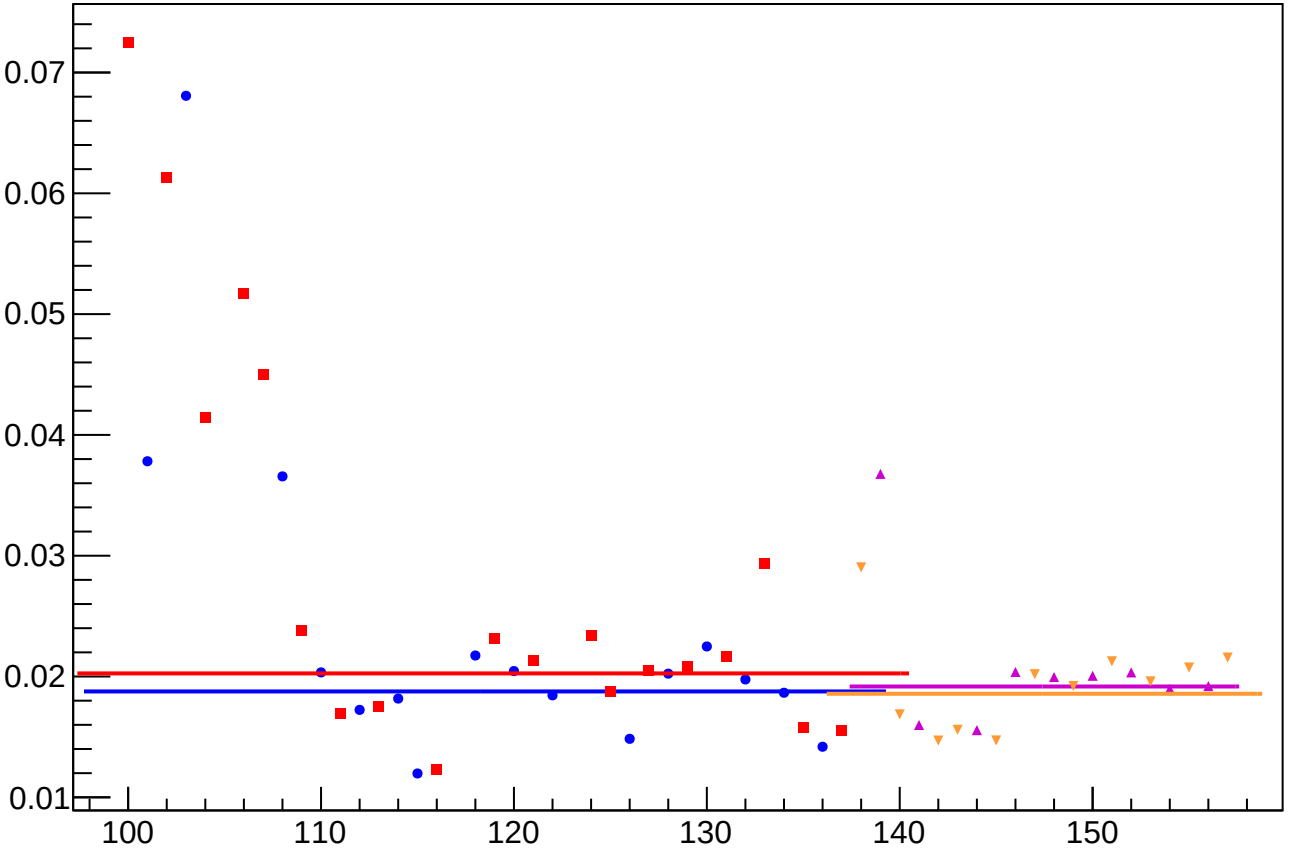
Left In: -0.352+/-0.000 χ^2/NDF:78578848.3/8

+ sign -0.270+/-0.000 χ^2/NDF: 739114713.0/26

All: -0.268+/-0.000 χ^2/NDF: 1288257082.7/5

- sign -0.266+/-0.000 χ^2/NDF: 548907772.7/27

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:429280.5/10

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

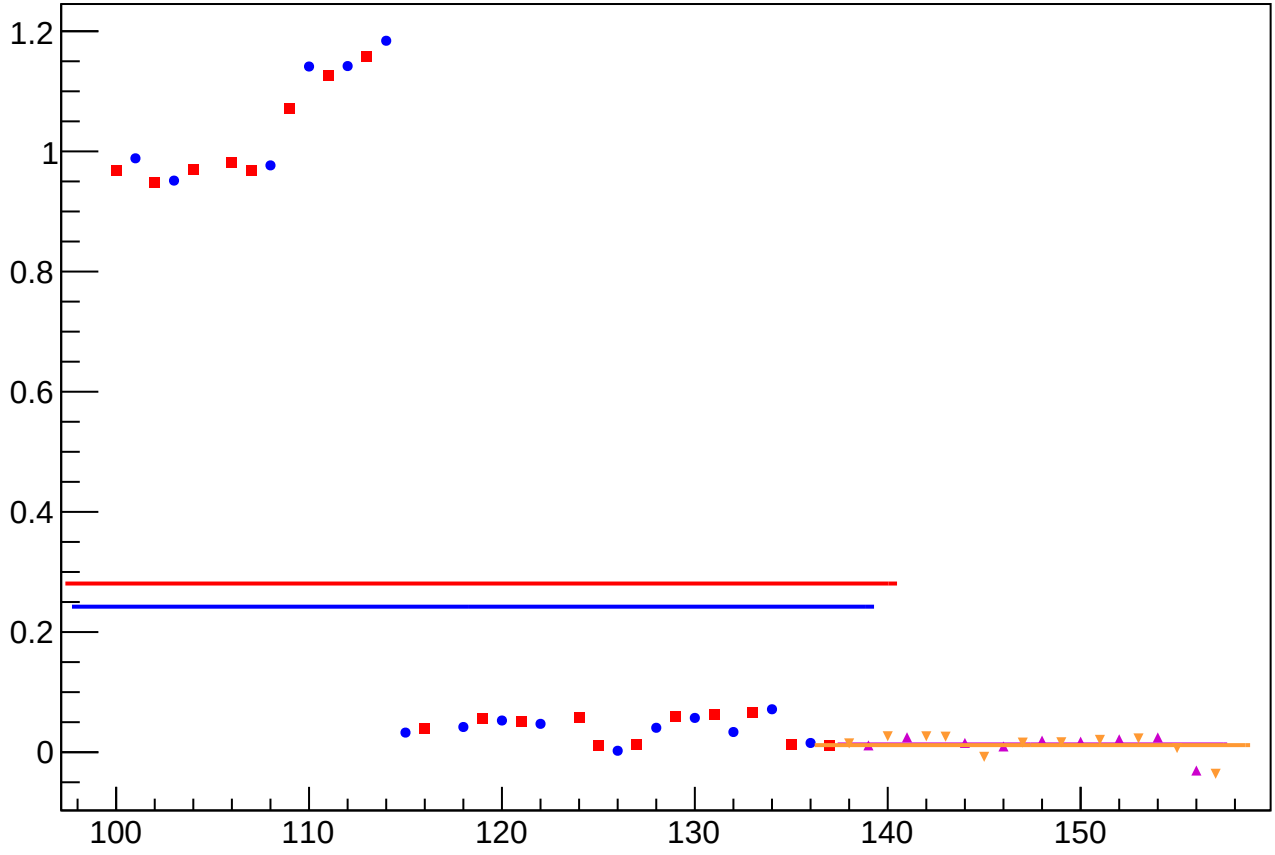
Left In: 0.019+/-0.000 χ^2/NDF:520217.4/8

+ sign 0.019+/-0.000 χ^2/NDF: 1779319.4/26

All: 0.019+/-0.000 χ^2/NDF: 3878302.3/54

- sign 0.020+/-0.000 χ^2/NDF: 2067174.6/27

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:21172671.5/10

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

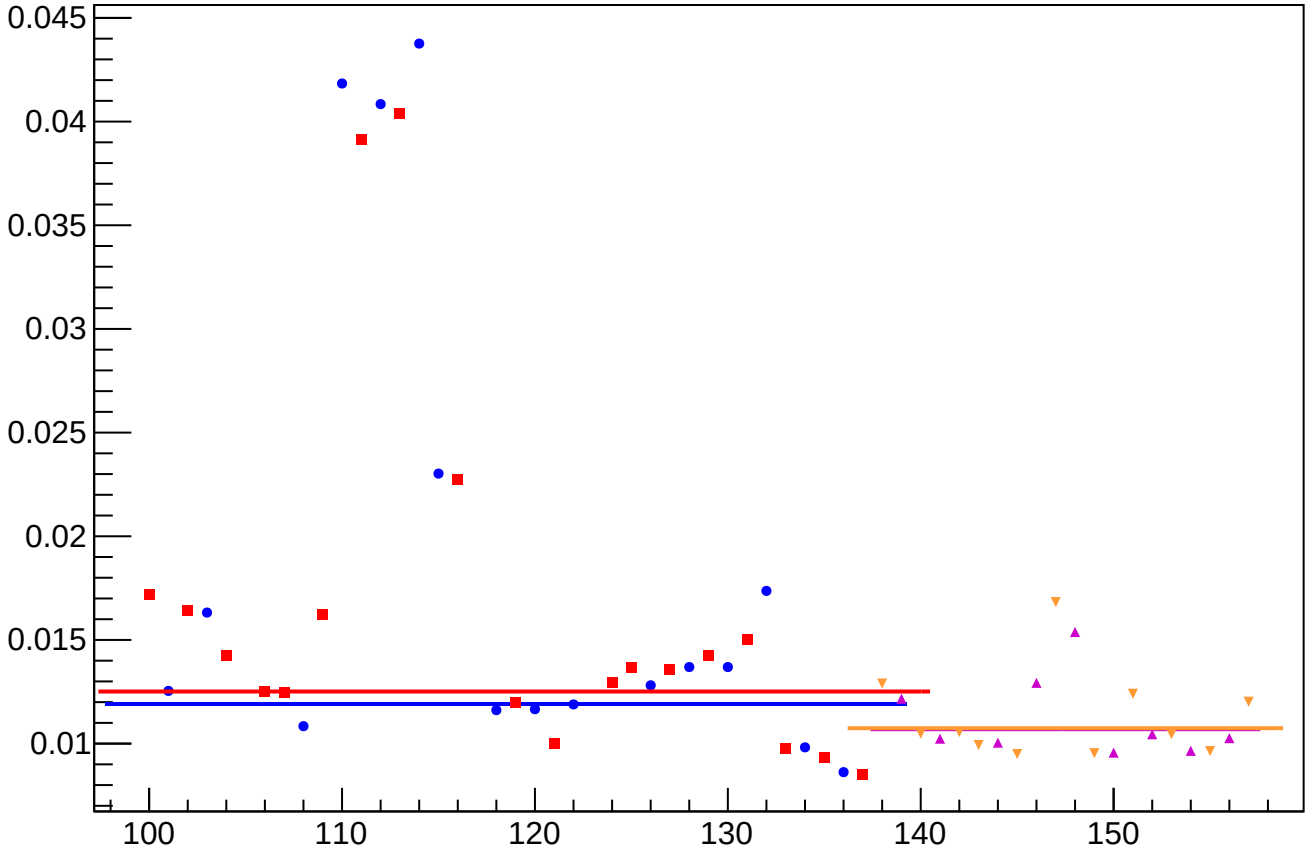
Left In: 0.013+/-0.000 χ^2/NDF:17803974.1/8

+ sign 0.098+/-0.000 χ^2/NDF: 7925039476.9/26

All: 0.106+/-0.000 χ^2/NDF: 16462513541.5/5

- sign 0.114+/-0.000 χ^2/NDF: 8524124118.2/27

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:383065.4/10

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

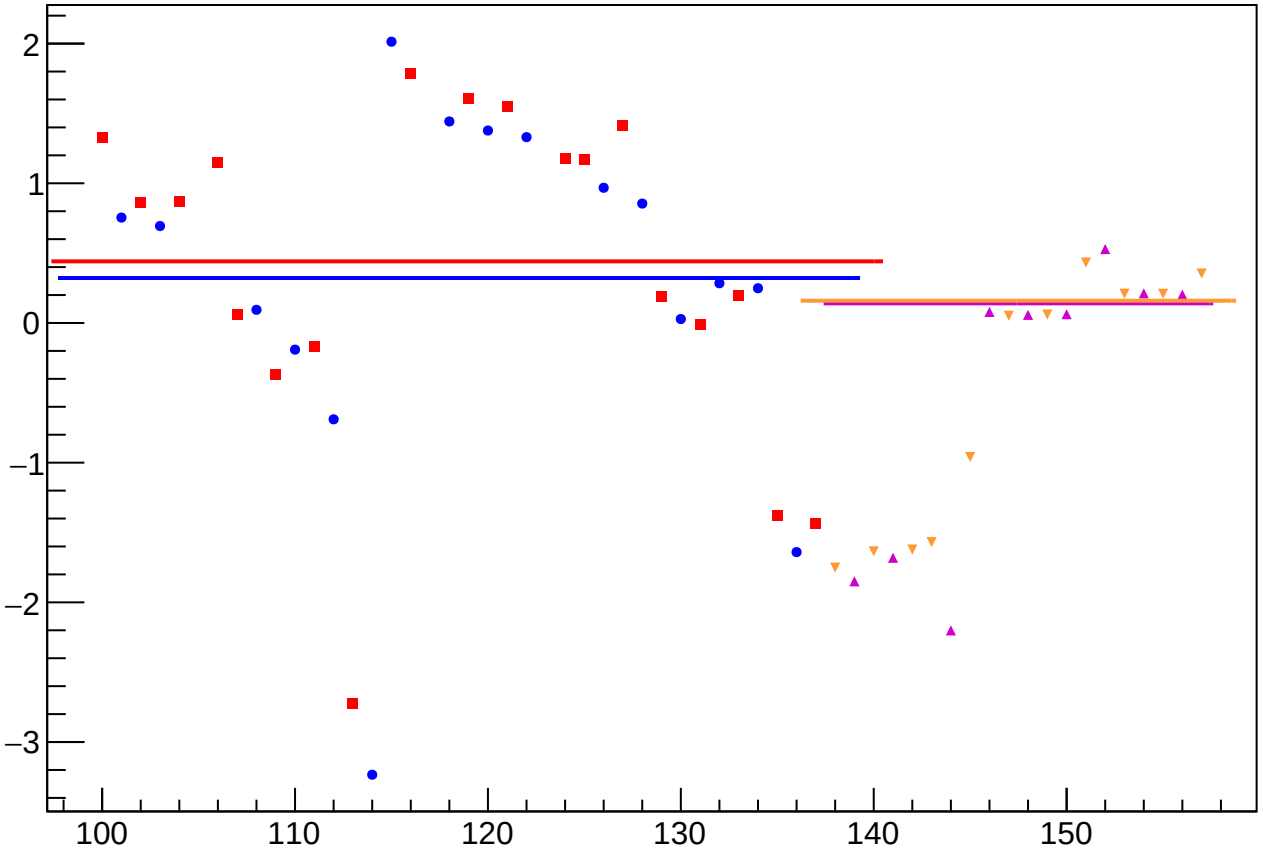
Left In: 0.011+/-0.000 χ^2/NDF:280623.0/8

+ sign 0.011+/-0.000 χ^2/NDF: 1914102.5/26

All: 0.011+/-0.000 χ^2/NDF: 3752554.7/54

- sign 0.011+/-0.000 χ^2/NDF: 1834147.6/27

yield_bpm1X_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.159+/-0.000 χ^2/NDF:1715614317.3/10

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

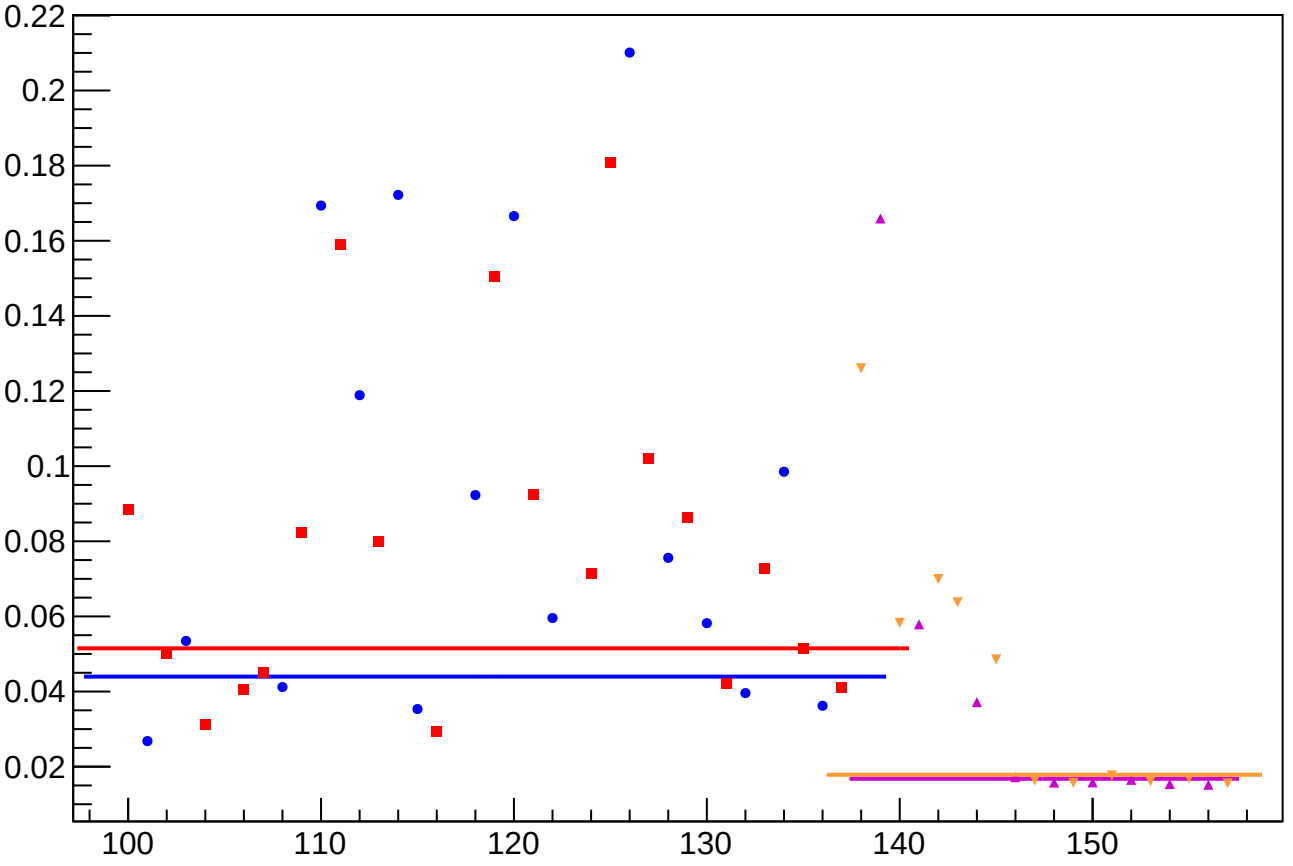
Left In: 0.141+/-0.000 χ^2/NDF:2321661386.7/8

+ sign 0.177+/-0.000 χ^2/NDF: 3427440163.0/26

All: 0.171+/-0.000 χ^2/NDF: 7682787055.0/54

- sign 0.166+/-0.000 χ^2/NDF: 4254327105.3/27

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:2677035.7/10

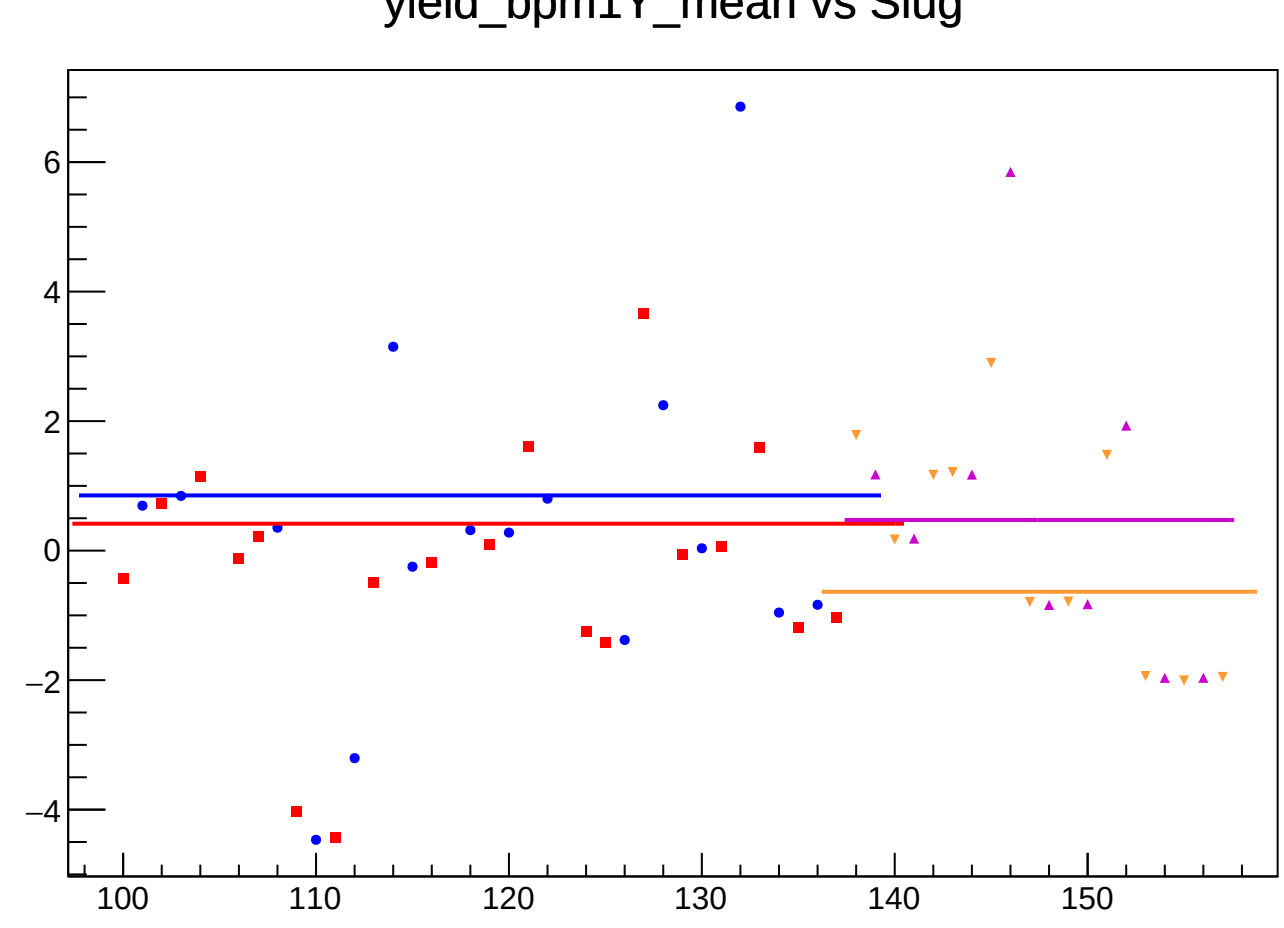
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.017+/-0.000 χ^2/NDF:1967330.3/8

+ sign 0.021+/-0.000 χ^2/NDF: 7886051.2/26

All: 0.020+/-0.000 χ^2/NDF: 15865680.2/54

- sign 0.020+/-0.000 χ^2/NDF: 7965188.0/27



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.635+/-0.000 χ^2/NDF:77315066623.2/10

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

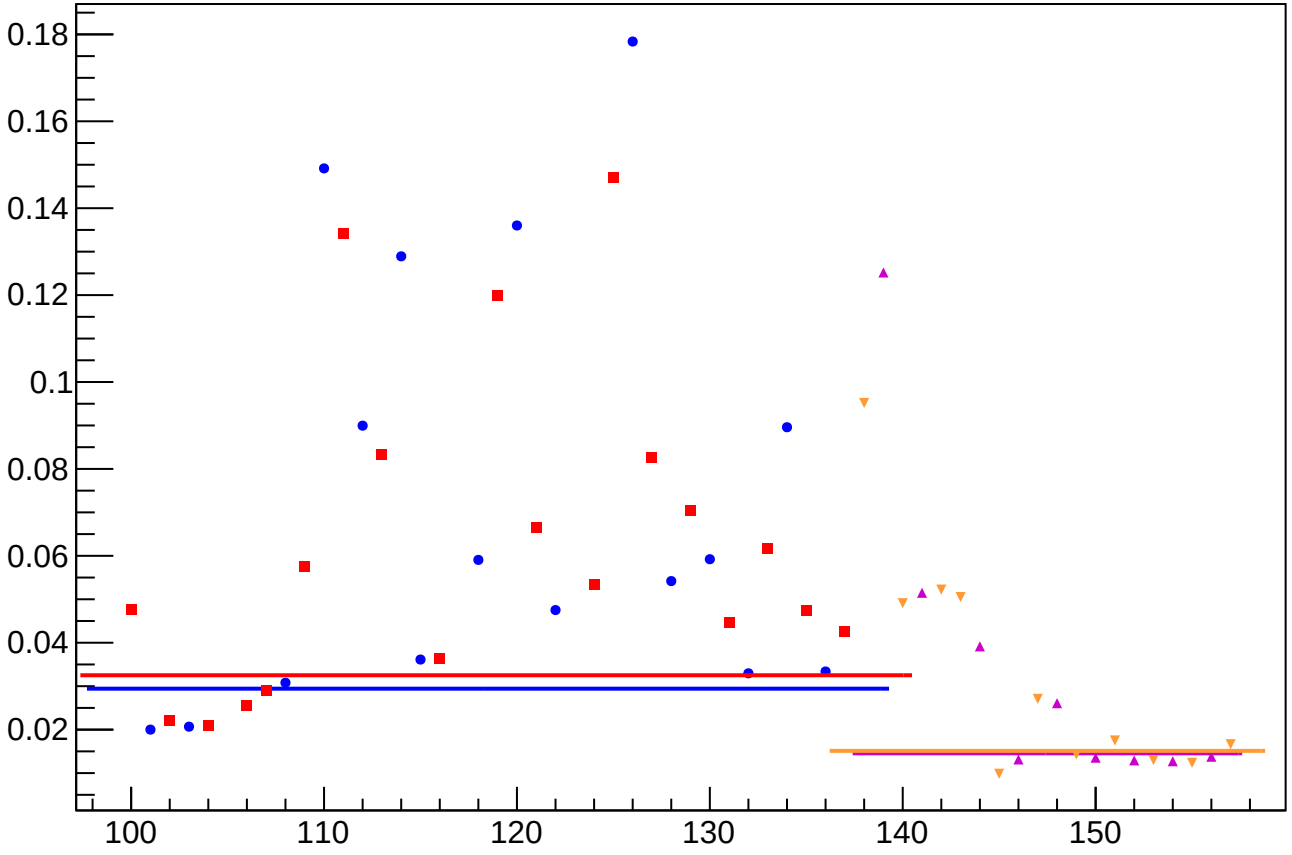
Left In: 0.474+/-0.000 χ^2/NDF:203874700144.4/8

+ sign -0.413+/-0.000 χ^2/NDF: 96908611393.2/26

All: 0.031+/-0.000 χ^2/NDF: 317080472565.2

- sign 0.466+/-0.000 χ^2/NDF: 209007852810.6/27

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:2748577.8/10

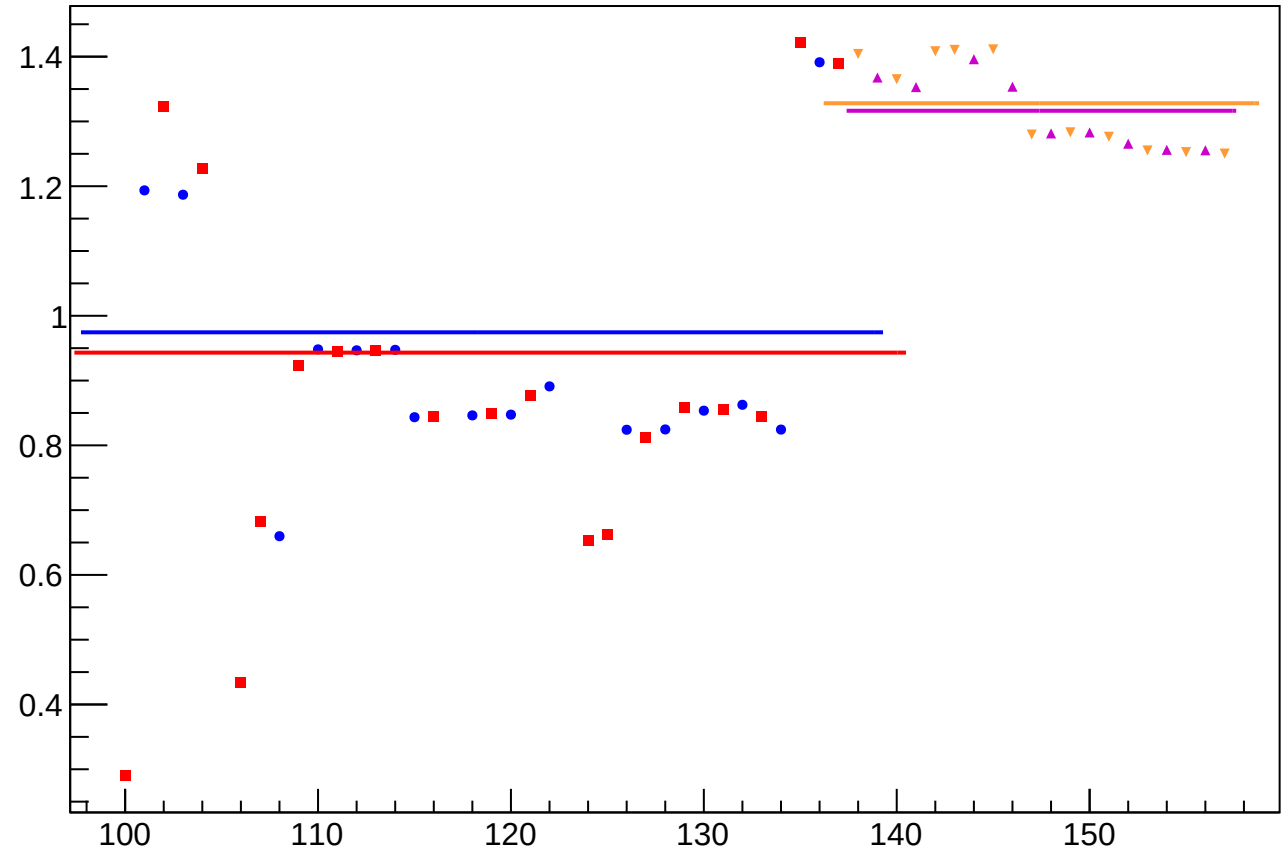
Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2436491.5/8

+ sign 0.017+/-0.000 χ^2/NDF: 7425638.9/26

All: 0.017+/-0.000 χ^2/NDF: 15363059.6/54

- sign 0.017+/-0.000 χ^2/NDF: 7934764.9/27



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.328+/-0.000 χ^2/NDF:185538328.5/10

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

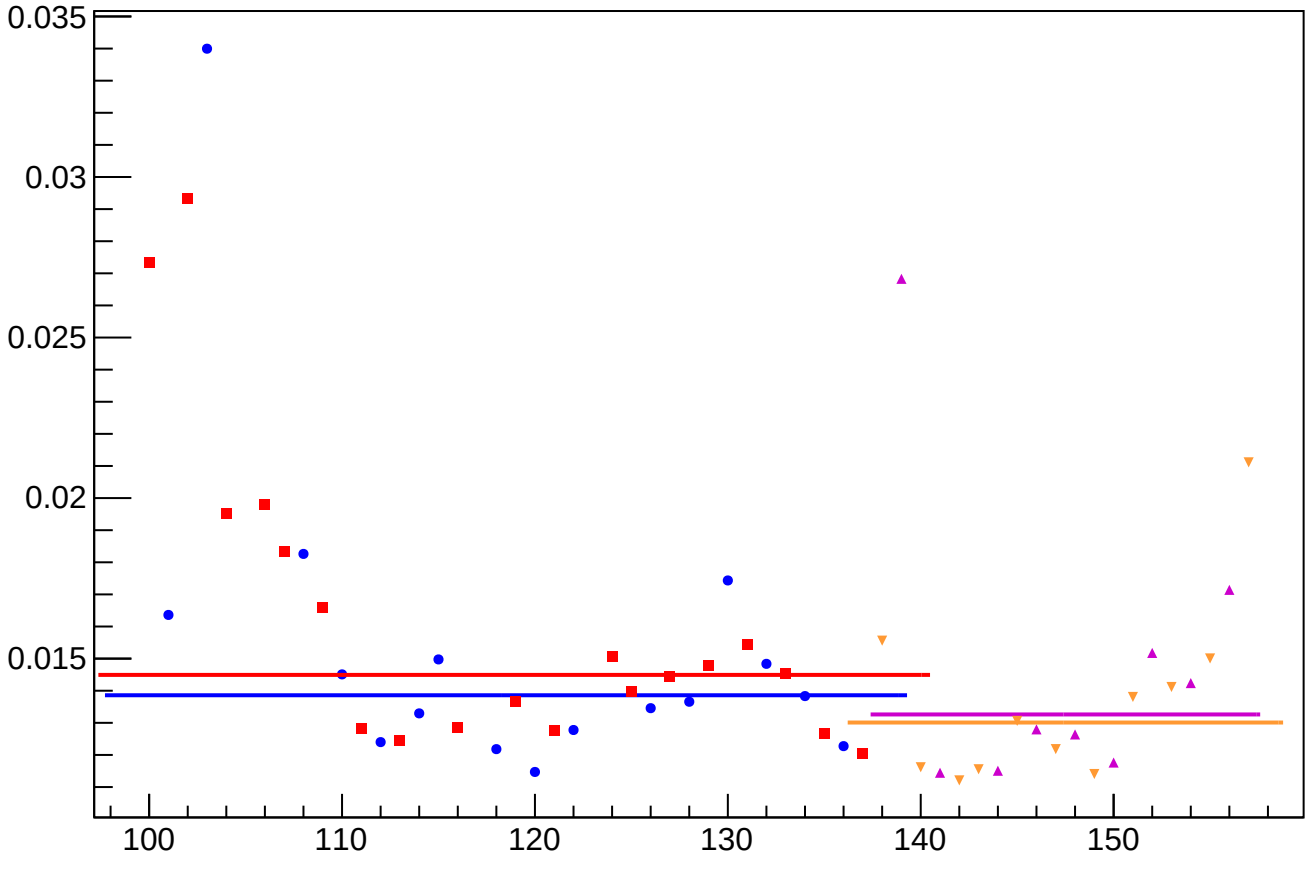
Left In: 1.316+/-0.000 χ^2/NDF:100137651.9/8

+ sign 1.176+/-0.000 χ^2/NDF: 3954107915.8/26

All: 1.164+/-0.000 χ^2/NDF: 8112758124.9/54

- sign 1.151+/-0.000 χ^2/NDF: 4134770353.5/27

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:362973.2/10

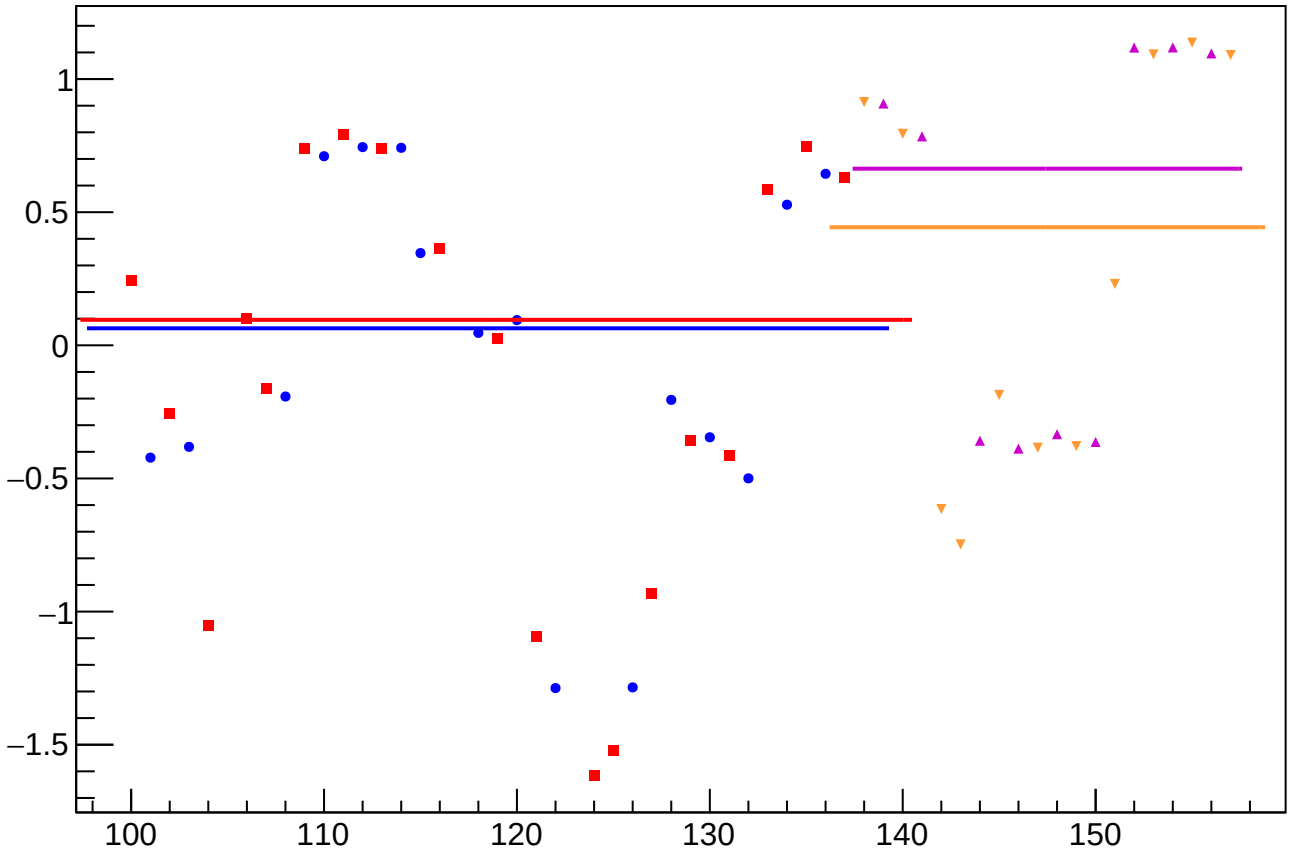
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:625683.0/8

+ sign 0.013+/-0.000 χ^2/NDF: 989620.9/26

All: 0.014+/-0.000 χ^2/NDF: 2224681.3/54

- sign 0.014+/-0.000 χ^2/NDF: 1221487.0/27



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.444+/-0.000 χ^2/NDF:25071347315.4/10

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

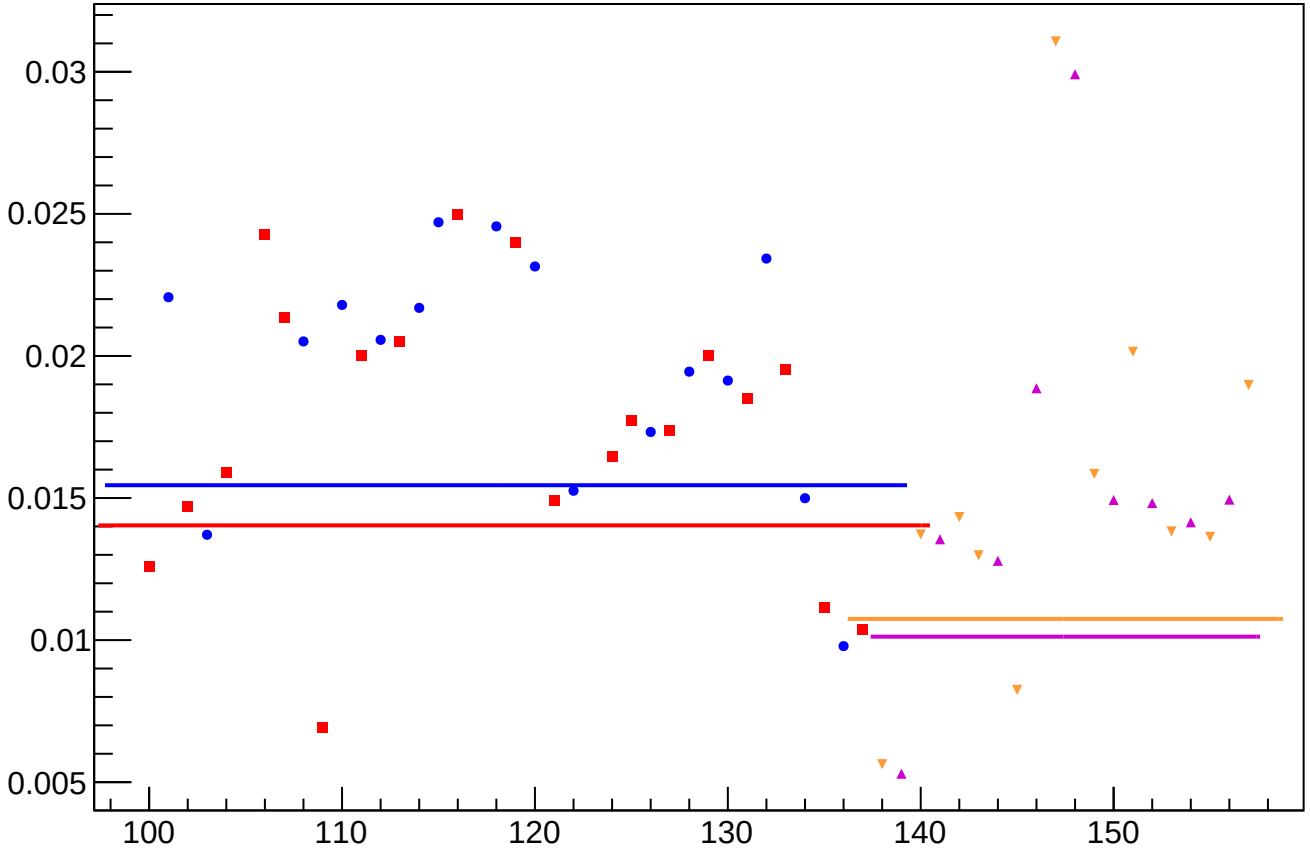
Left In: 0.663+/-0.000 χ^2/NDF:17079700457.5/8

+ sign 0.327+/-0.000 χ^2/NDF: 38618519220.3/26

All: 0.399+/-0.000 χ^2/NDF: 80615172910.7/5

- sign 0.468+/-0.000 χ^2/NDF: 41161290257.0/27

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:2925551.8/10

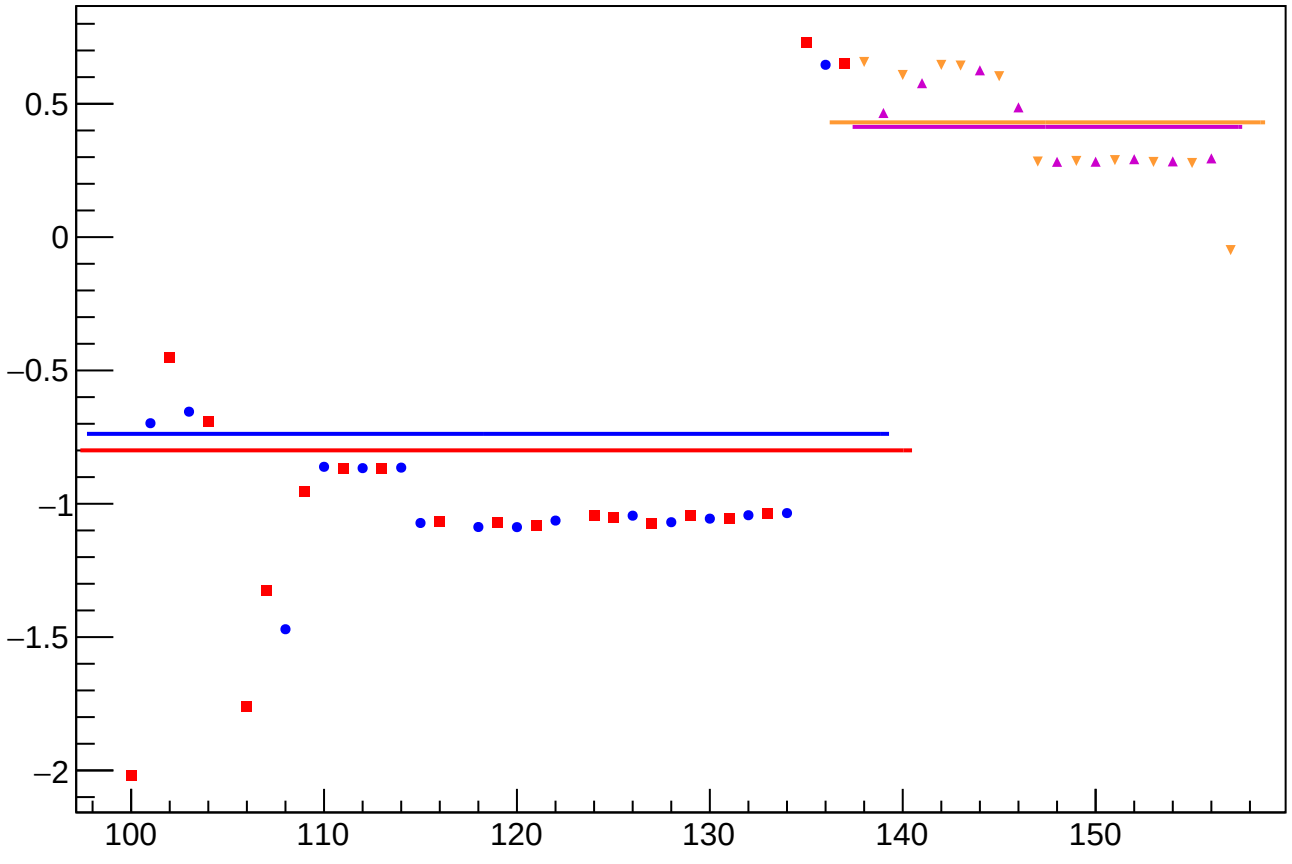
Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.010+/-0.000 χ^2/NDF:3171619.5/8

+ sign 0.012+/-0.000 χ^2/NDF: 4990269.1/26

All: 0.012+/-0.000 χ^2/NDF: 10491802.0/54

- sign 0.011+/-0.000 χ^2/NDF: 5457659.0/27



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.430+/-0.000 χ^2/NDF:239498878.3/10

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

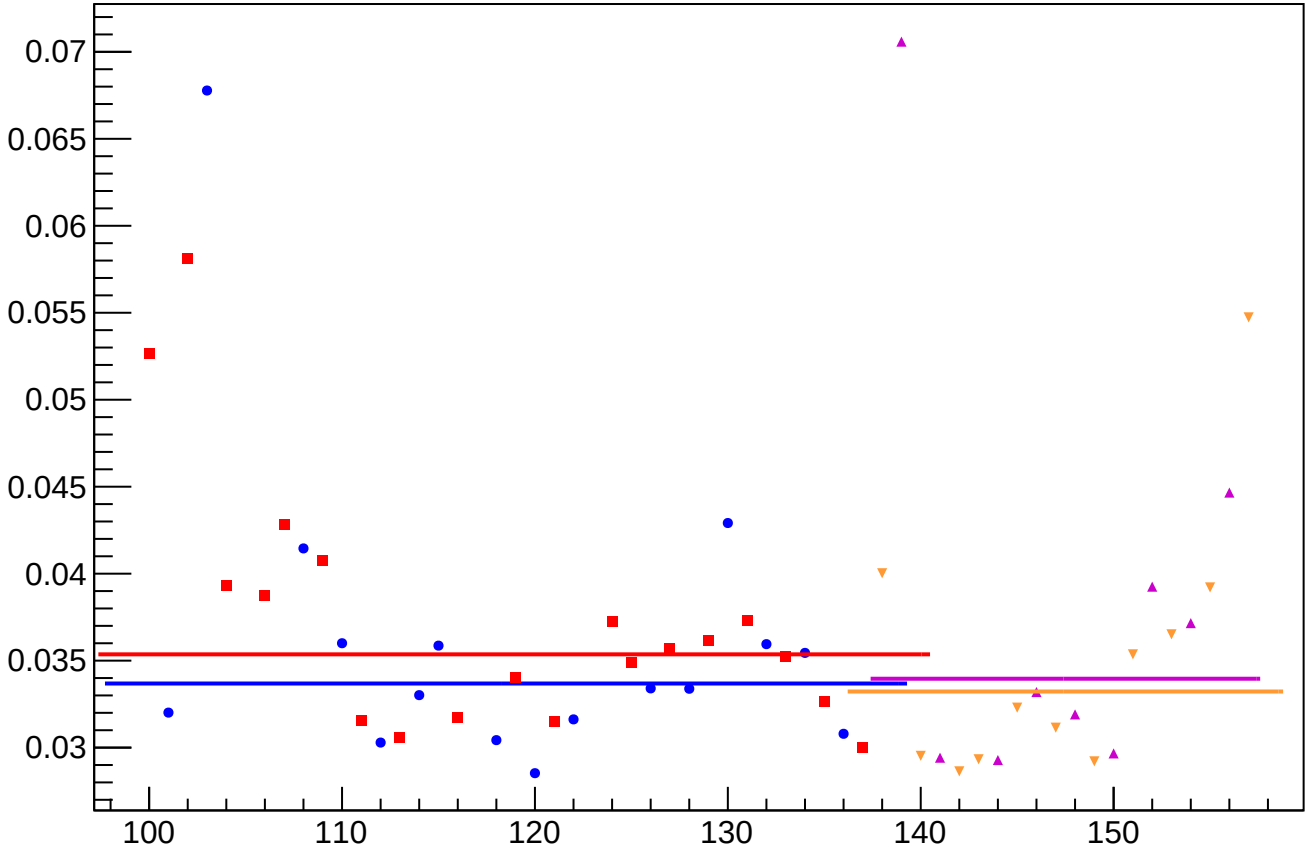
Left In: 0.413+/-0.000 χ^2/NDF:119693649.0/8

+ sign -0.106+/-0.000 χ^2/NDF: 6414031291.6/26

All: -0.131+/-0.000 χ^2/NDF: 12450064740.6/

- sign -0.160+/-0.000 χ^2/NDF: 6019371390.7/27

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.033+/-0.000 χ^2/NDF:388448.5/10

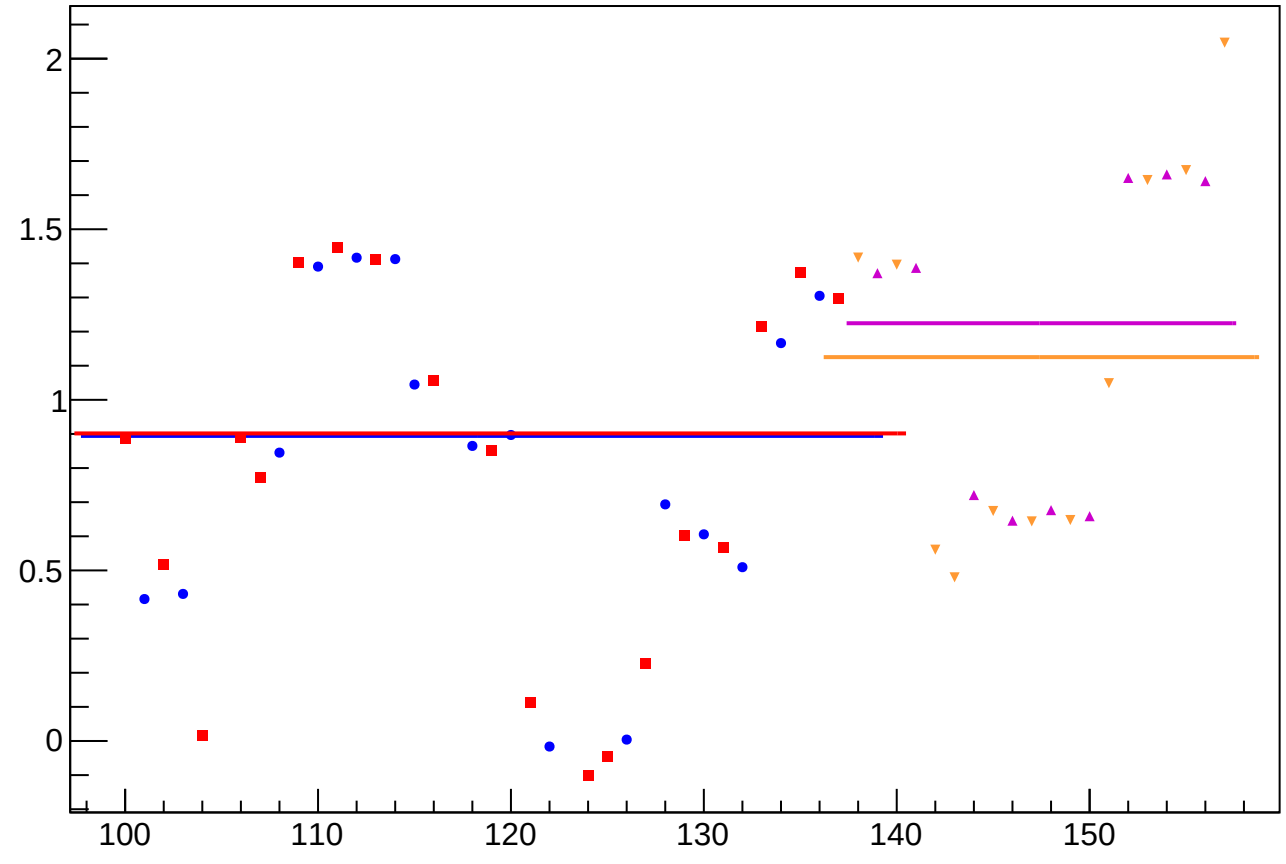
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.034+/-0.000 χ^2/NDF:672700.7/8

+ sign 0.033+/-0.000 χ^2/NDF: 809949.0/26

All: 0.034+/-0.000 χ^2/NDF: 1805909.1/54

- sign 0.035+/-0.000 χ^2/NDF: 979781.1/27



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.125+/-0.000 χ^2/NDF:22074060908.3/10

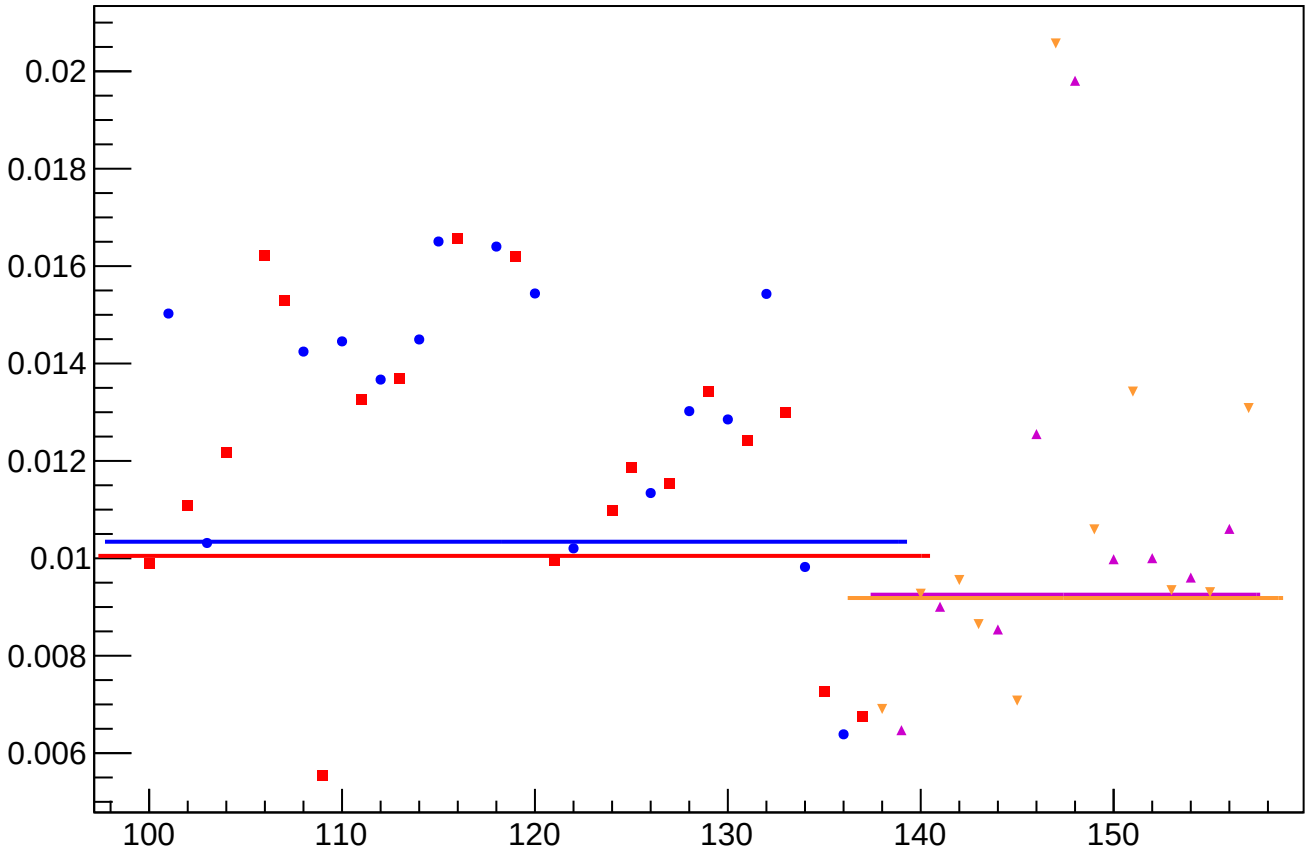
Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.225+/-0.000 χ^2/NDF:13325254038.7/8

+ sign 1.037+/-0.000 χ^2/NDF: 36665470023.7/26

All: 1.062+/-0.000 χ^2/NDF: 71675449969.1/5

- sign 1.087+/-0.000 χ^2/NDF: 34831129483.0/27



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1105859.7/10

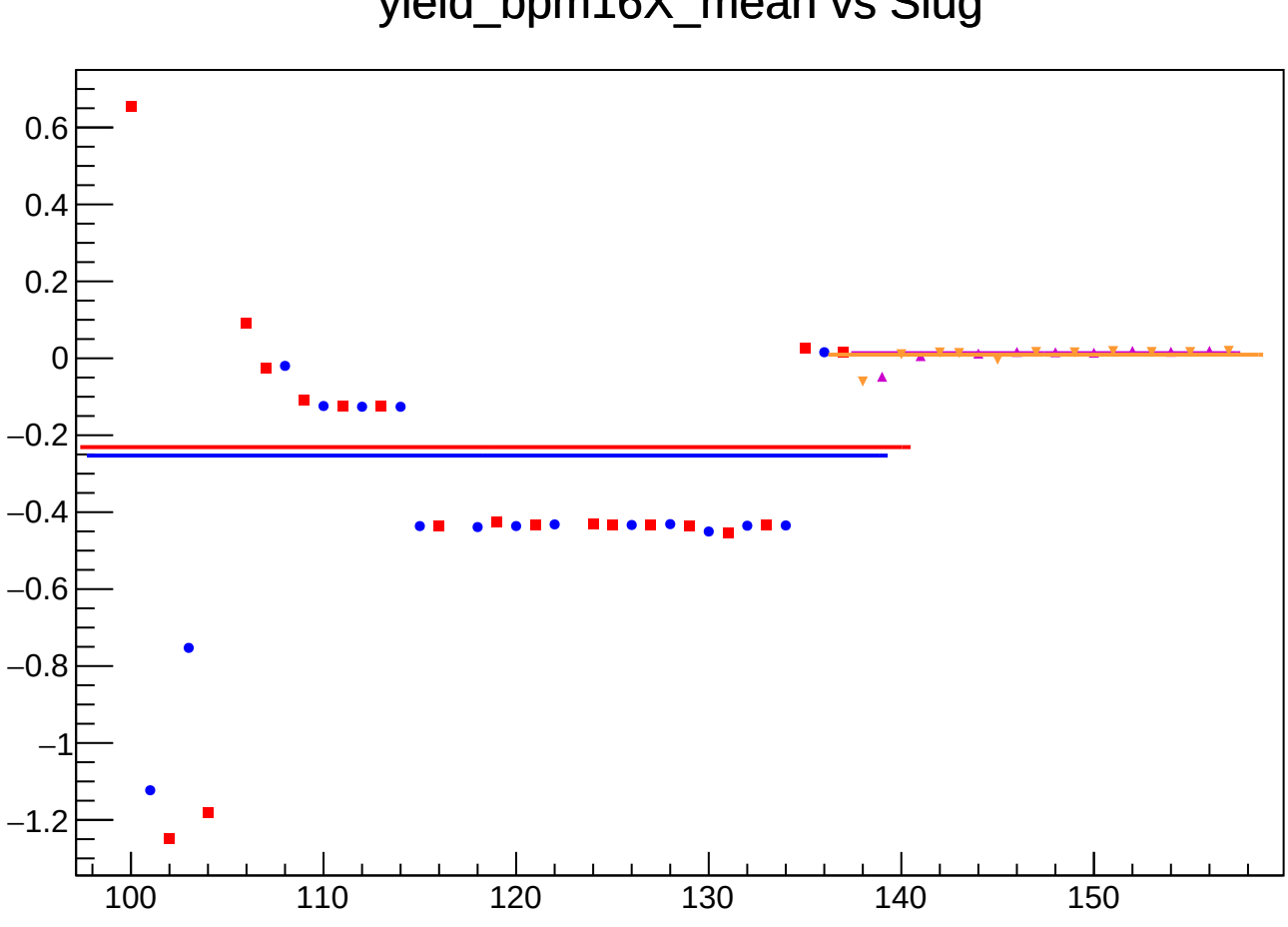
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:903526.6/8

+ sign 0.010+/-0.000 χ^2/NDF: 2548593.5/26

All: 0.010+/-0.000 χ^2/NDF: 4833134.2/54

- sign 0.010+/-0.000 χ^2/NDF: 2284386.5/27



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:21644497.2/10

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

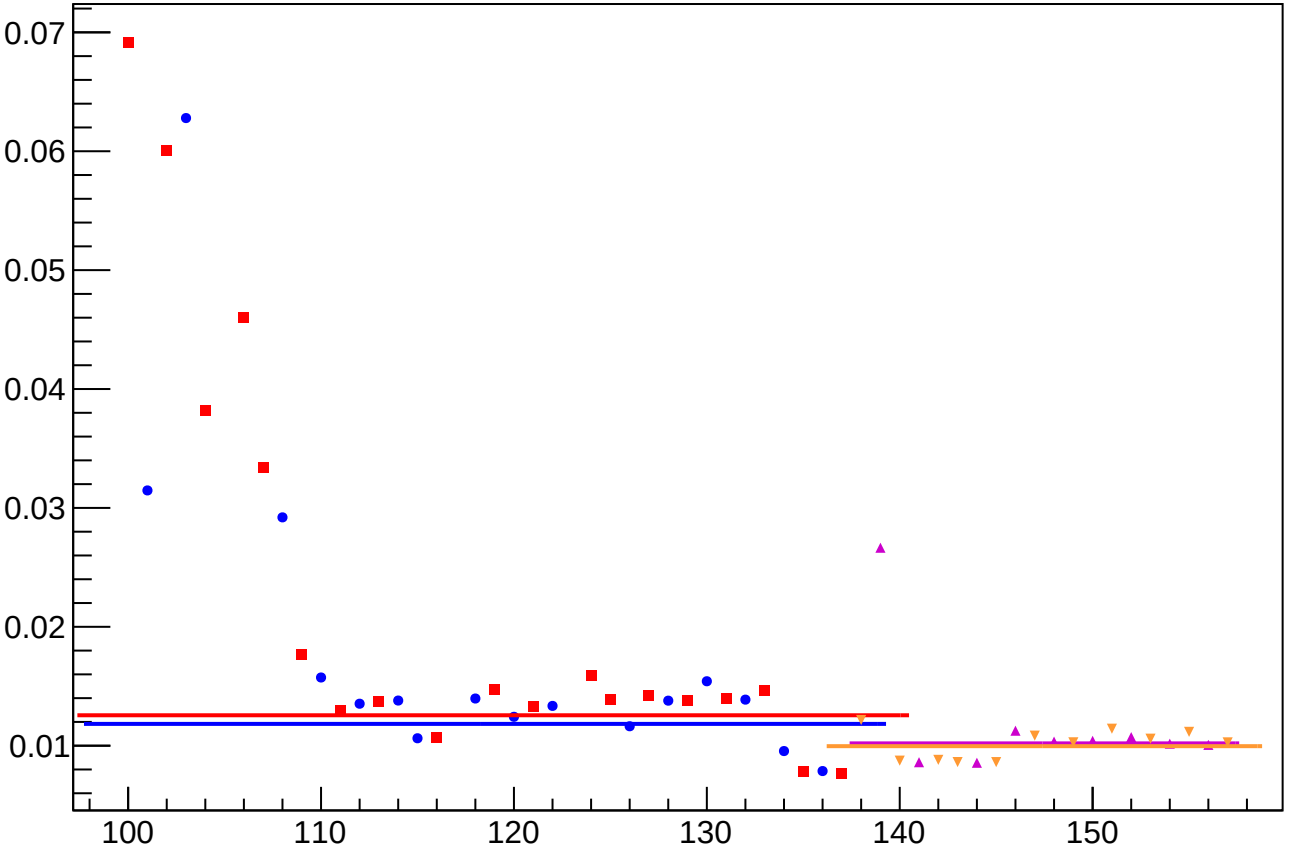
Left In: 0.013+/-0.000 χ^2/NDF:5600601.6/8

+ sign -0.079+/-0.000 χ^2/NDF: 3668140726.3/26

All: -0.075+/-0.000 χ^2/NDF: 6722664272.4/5

- sign -0.071+/-0.000 χ^2/NDF: 3051787460.5/27

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:189115.8/10

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

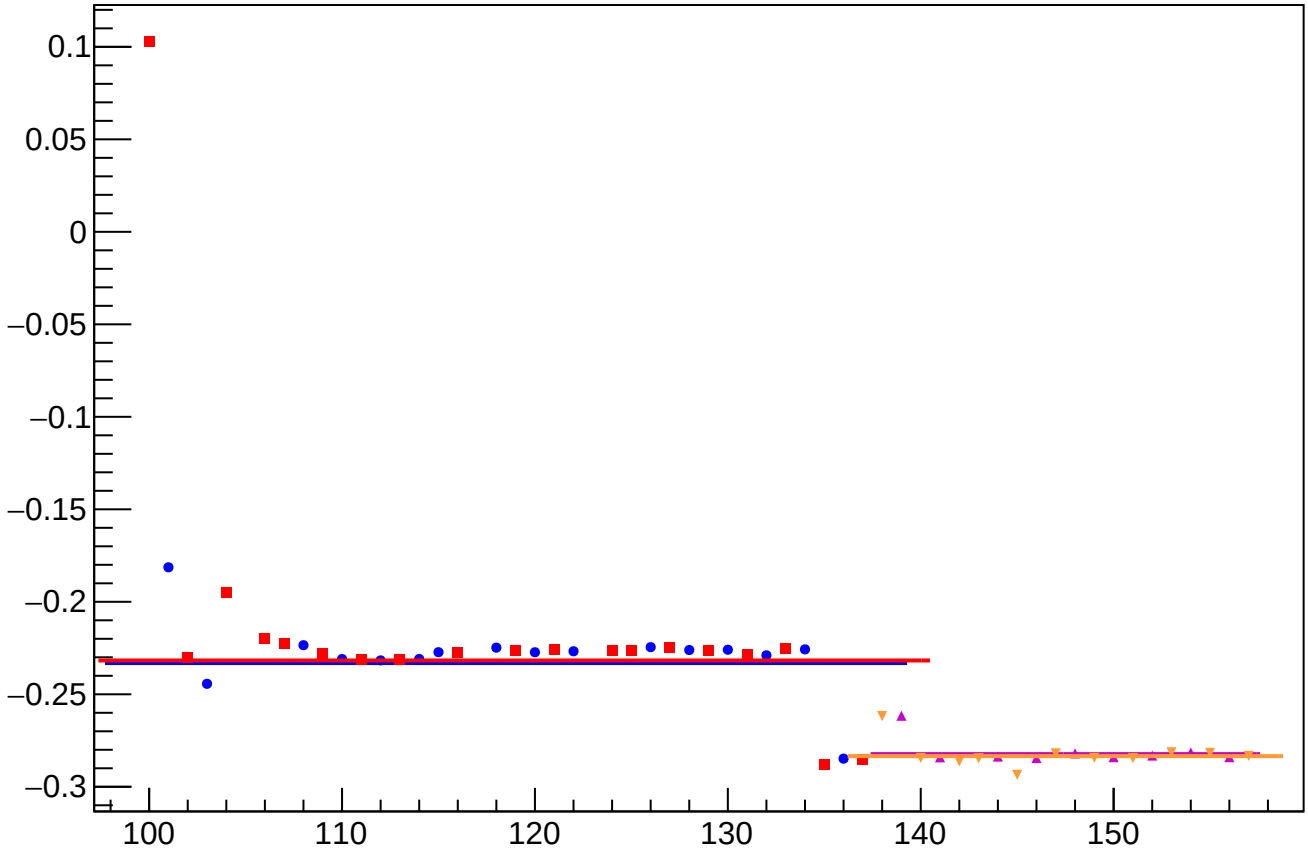
Left In: 0.010+/-0.000 χ^2/NDF:748980.8/8

+ sign 0.011+/-0.000 χ^2/NDF: 2297218.0/26

All: 0.011+/-0.000 χ^2/NDF: 5513342.6/54

- sign 0.011+/-0.000 χ^2/NDF: 3198444.7/27

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14746682.0/10

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

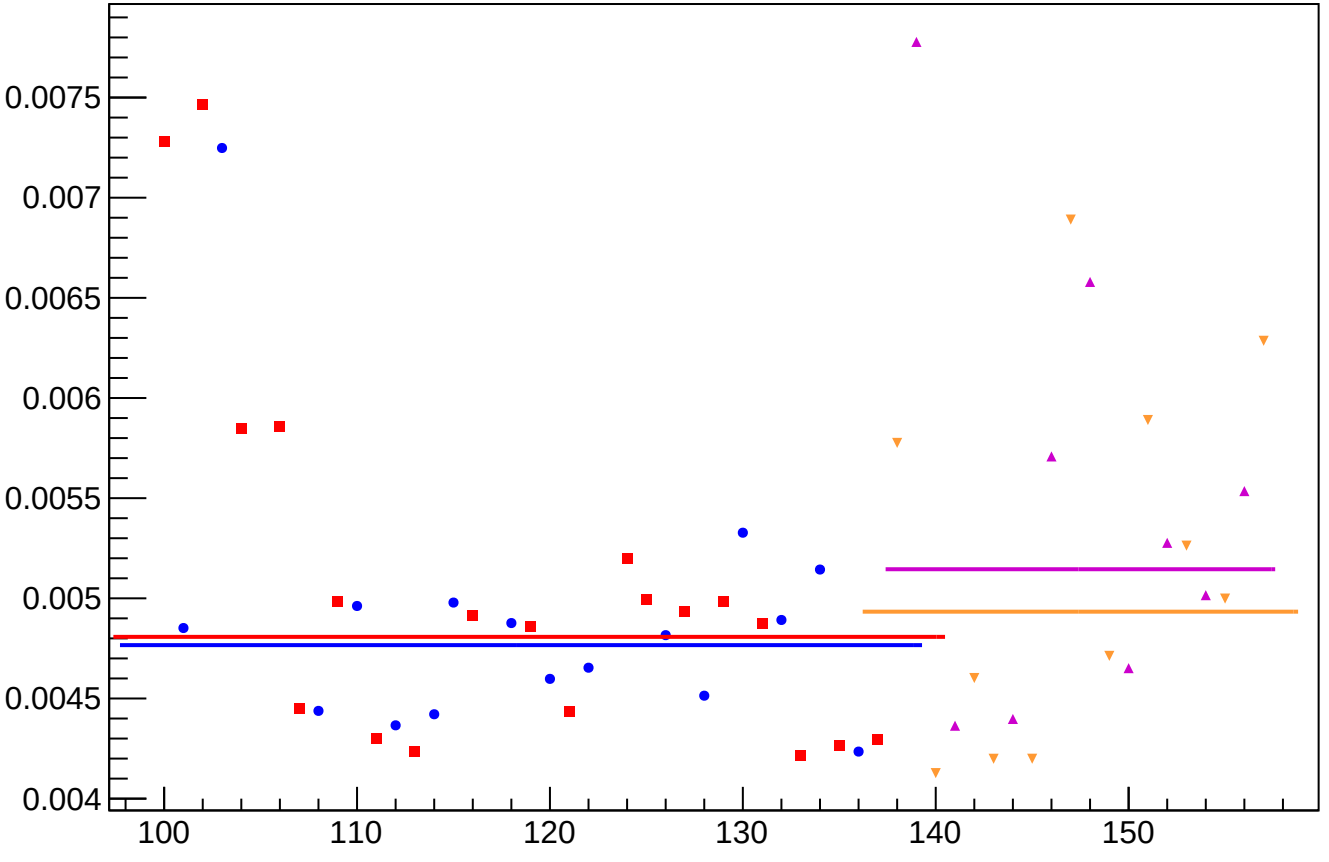
Left In: -0.282+/-0.000 χ^2/NDF:6232121.2/8

+ sign -0.260+/-0.000 χ^2/NDF: 594930518.6/26

All: -0.258+/-0.000 χ^2/NDF: 1250914358.5/5

- sign -0.256+/-0.000 χ^2/NDF: 652005033.8/27

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:428625.3/10

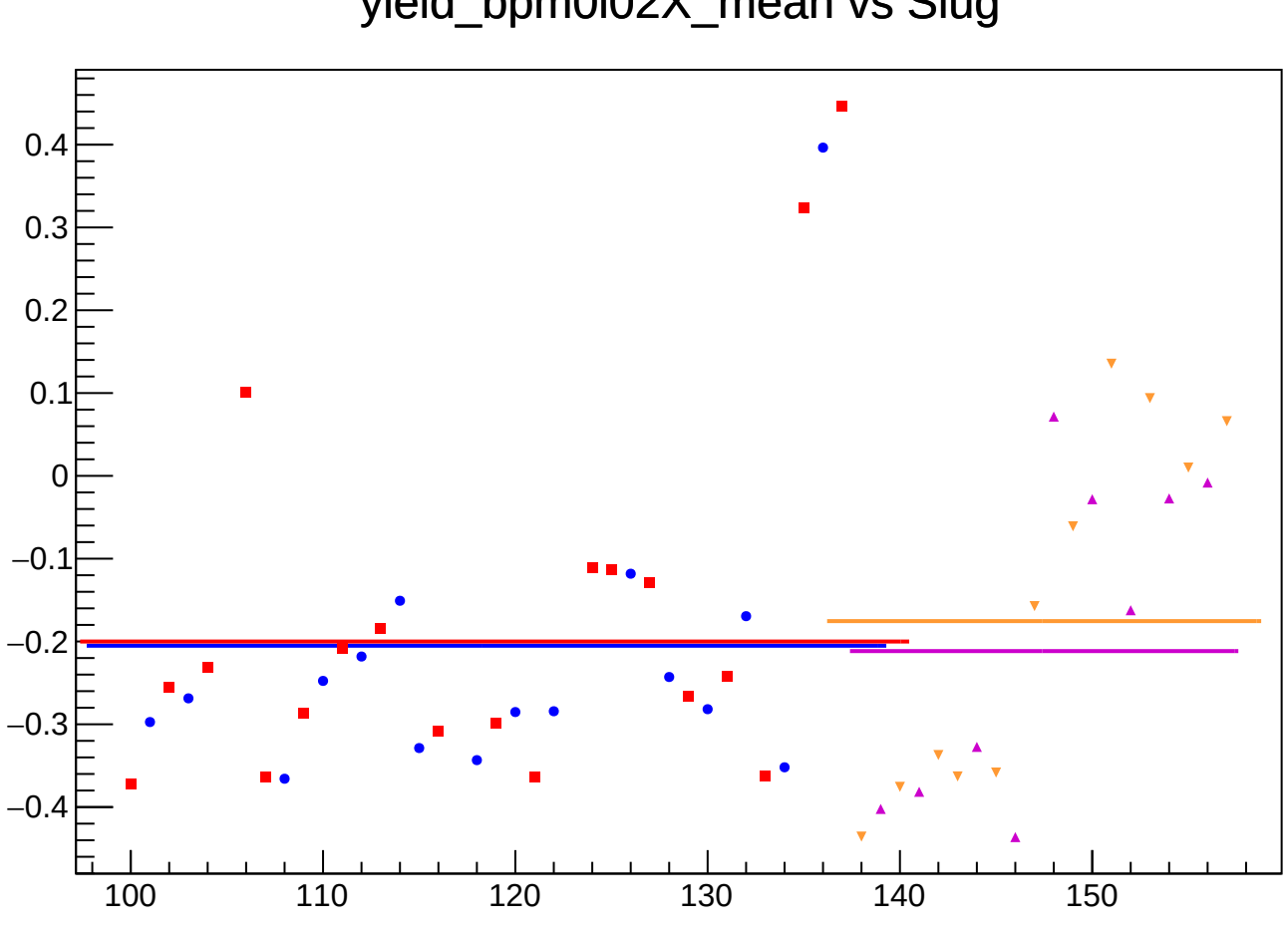
Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:403416.1/8

+ sign 0.005+/-0.000 χ^2/NDF: 628781.8/26

All: 0.005+/-0.000 χ^2/NDF: 1365573.6/54

- sign 0.005+/-0.000 χ^2/NDF: 729047.6/27



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.175+/-0.000 χ^2/NDF:12047499240.5/10

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

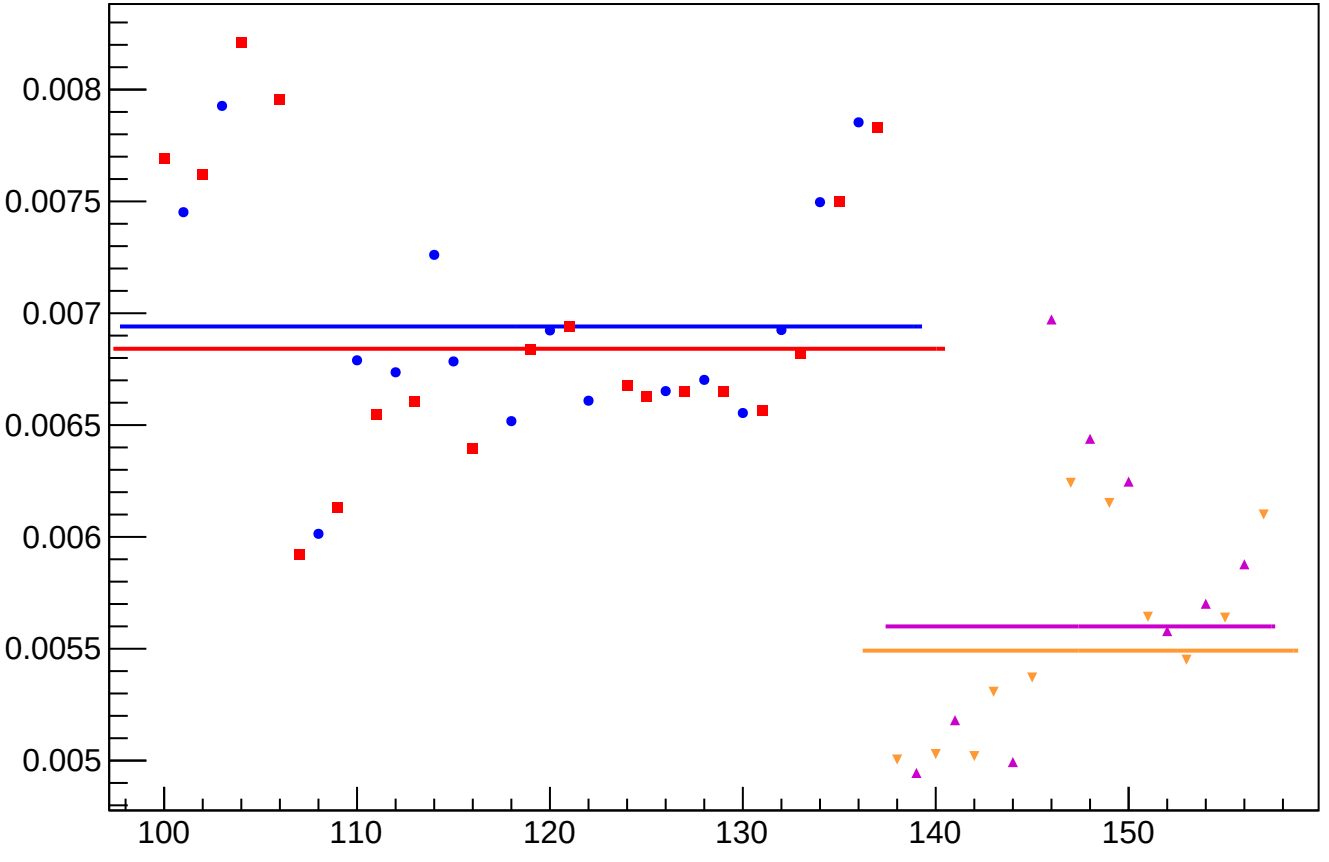
Left In: -0.212+/-0.000 χ^2/NDF:7244607746.4/8

+ sign -0.186+/-0.000 χ^2/NDF: 18319853589.3/26

All: -0.196+/-0.000 χ^2/NDF: 30913179457.6/

- sign -0.207+/-0.000 χ^2/NDF: 12506815820.4/27

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:93308.5/10

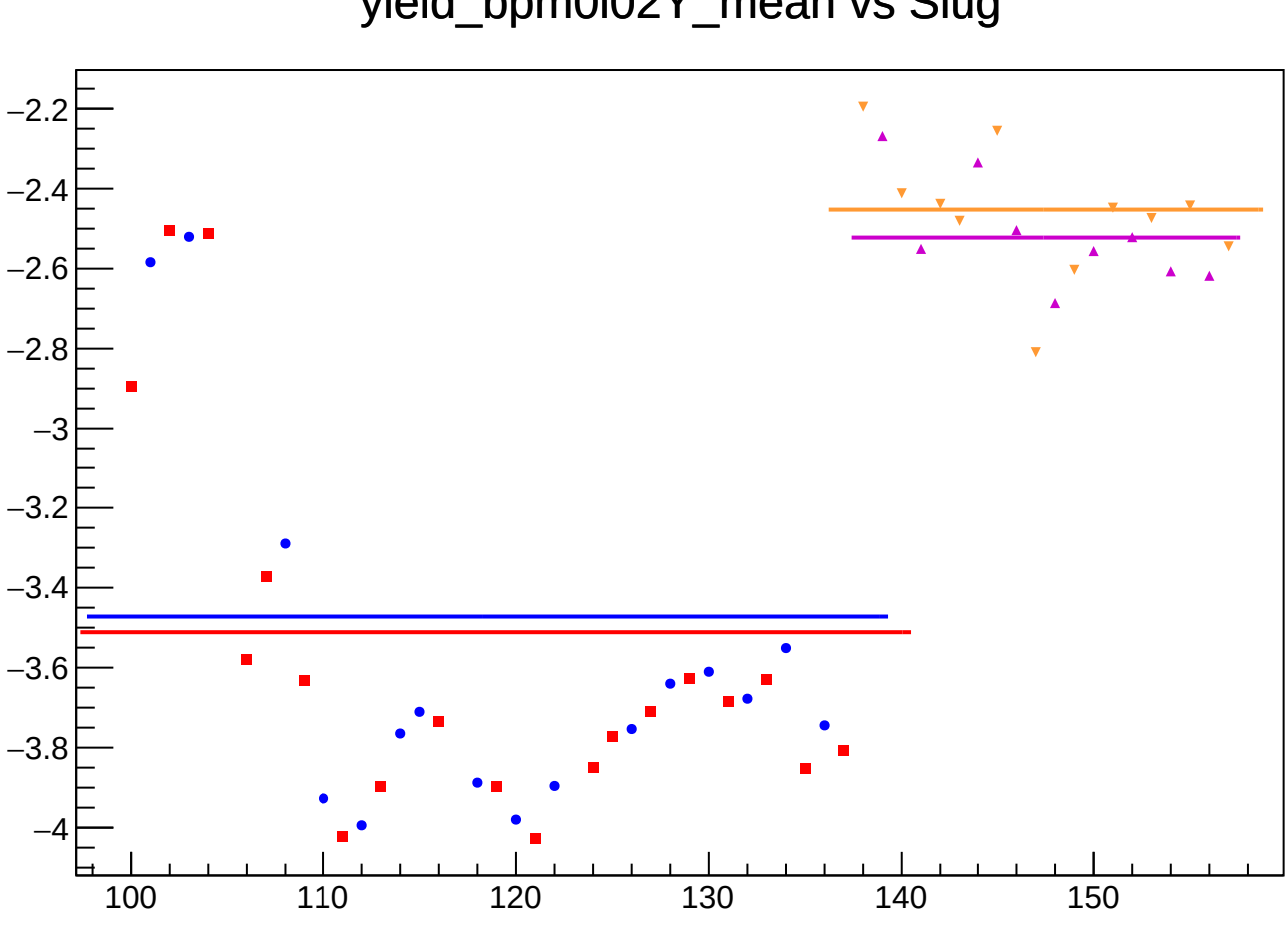
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:165789.5/8

+ sign 0.006+/-0.000 χ^2/NDF: 573777.5/26

All: 0.006+/-0.000 χ^2/NDF: 1125193.8/54

- sign 0.006+/-0.000 χ^2/NDF: 547681.7/27



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1532430073.8/10

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

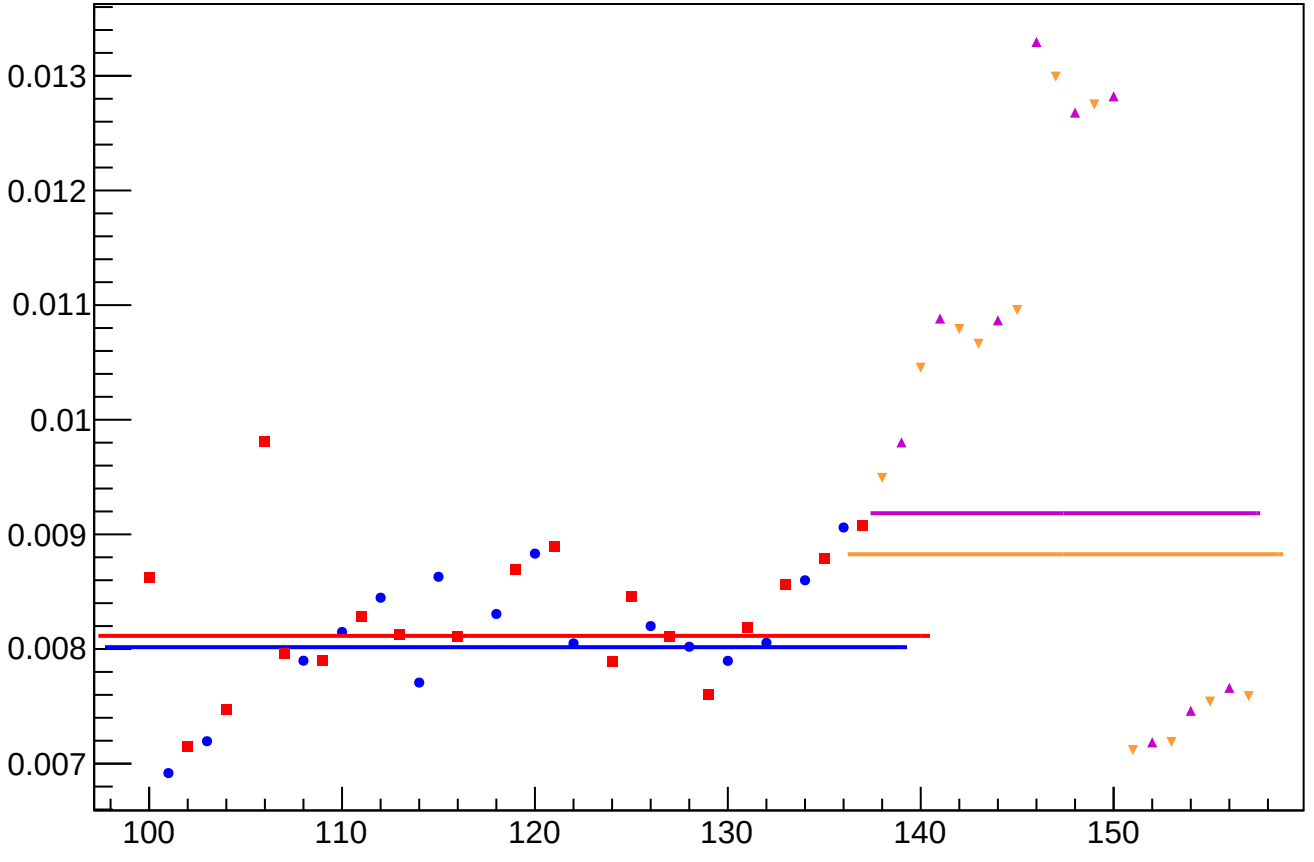
Left In: -2.522+/-0.000 χ^2/NDF:1183276798.7/8

+ sign -2.988+/-0.000 χ^2/NDF: 84829257655.9/26

All: -3.035+/-0.000 χ^2/NDF: 162017825512.4

- sign -3.087+/-0.000 χ^2/NDF: 76211738456.0/27

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:700913.1/10

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

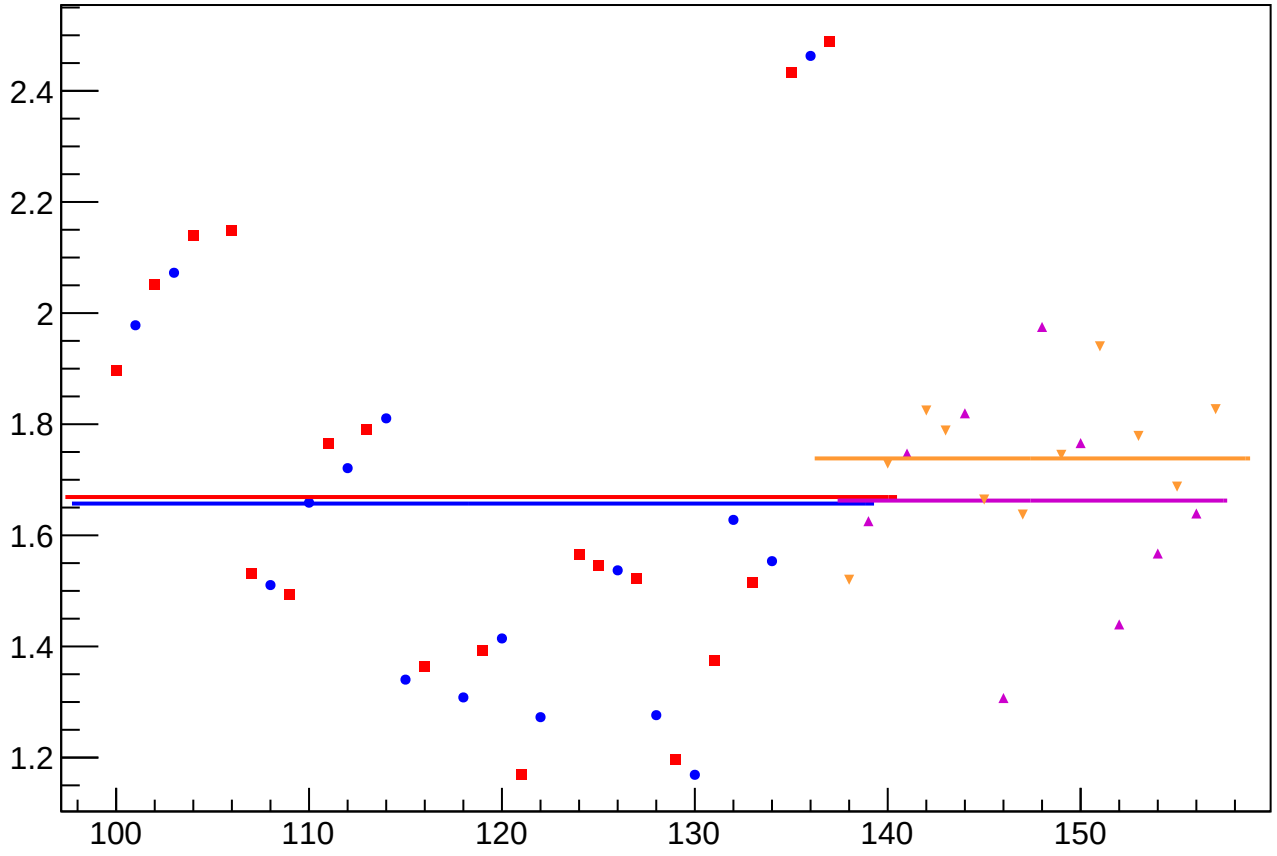
Left In: 0.009+/-0.000 χ^2/NDF:733512.8/8

+ sign 0.008+/-0.000 χ^2/NDF: 855038.6/26

All: 0.008+/-0.000 χ^2/NDF: 1771526.2/54

- sign 0.009+/-0.000 χ^2/NDF: 910621.9/27

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.738+/-0.000 χ^2/NDF:761265544.4/10

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

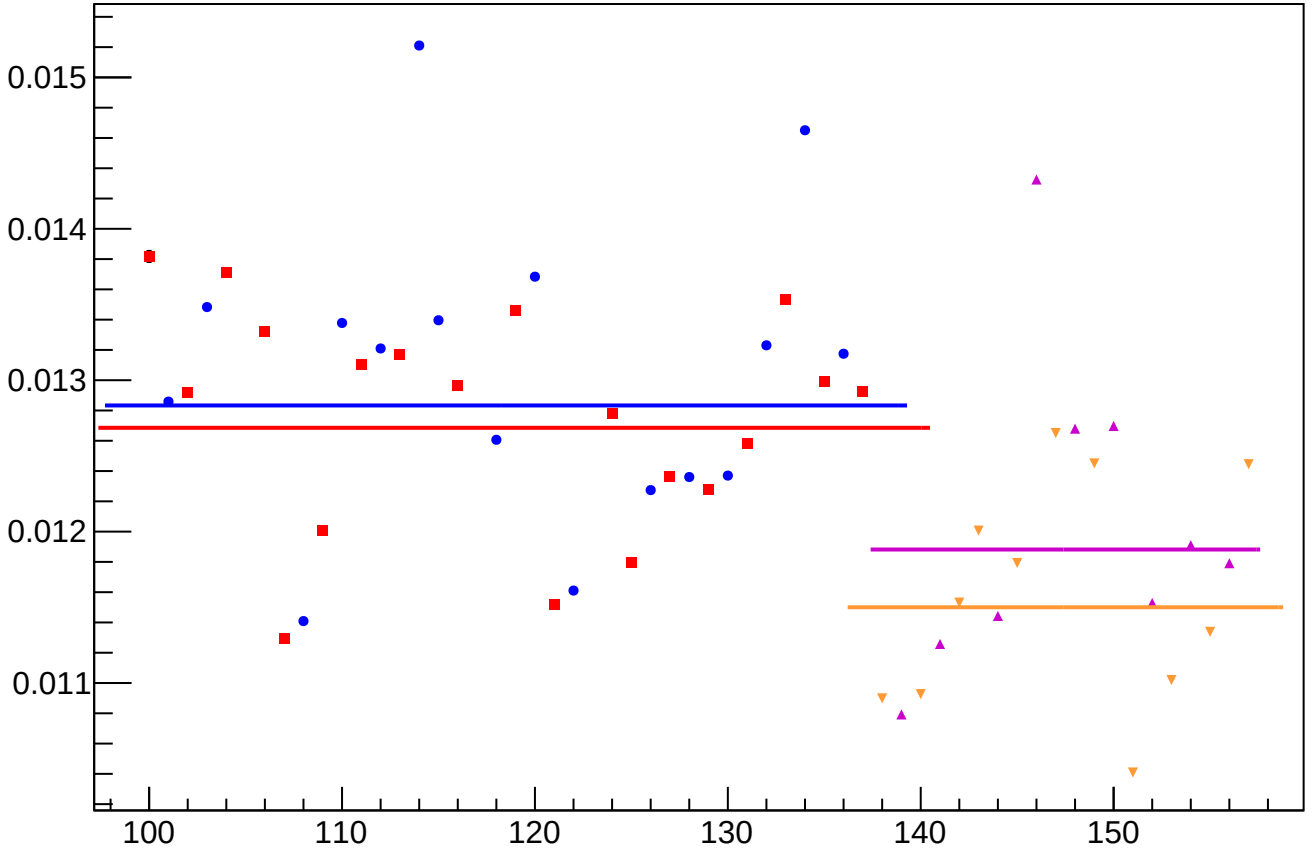
Left In: 1.663+/-0.000 χ^2/NDF:1549161788.8/8

+ sign 1.705+/-0.000 χ^2/NDF: 7593492220.8/26

All: 1.686+/-0.000 χ^2/NDF: 1557959088 1.7/5

- sign 1.666+/-0.000 χ^2/NDF: 7907727147.8/27

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:62804.4/10

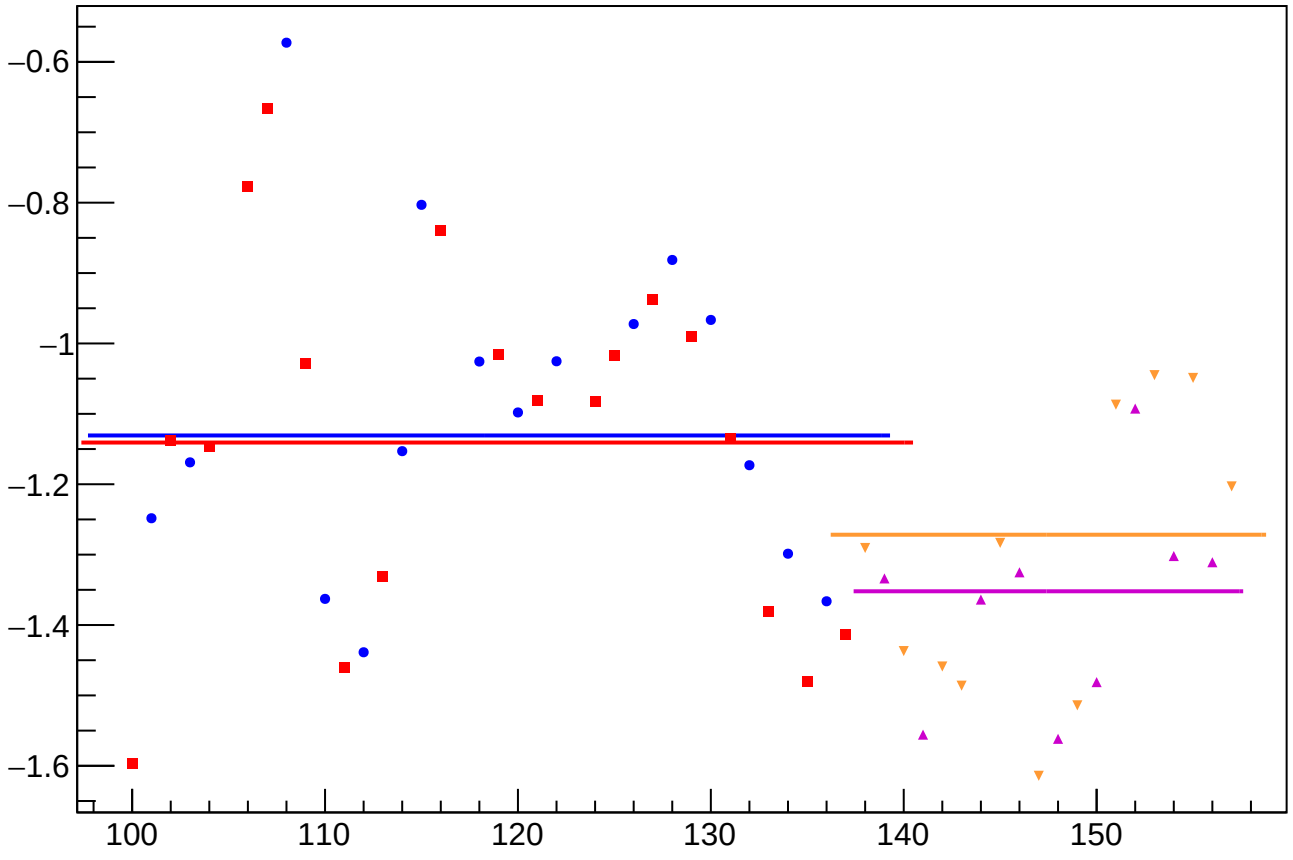
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:84550.6/8

+ sign 0.012+/-0.000 χ^2/NDF: 204720.2/26

All: 0.012+/-0.000 χ^2/NDF: 367878.9/54

- sign 0.012+/-0.000 χ^2/NDF: 158715.2/27



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.272+/-0.000 χ^2/NDF:3906145976.5/10

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

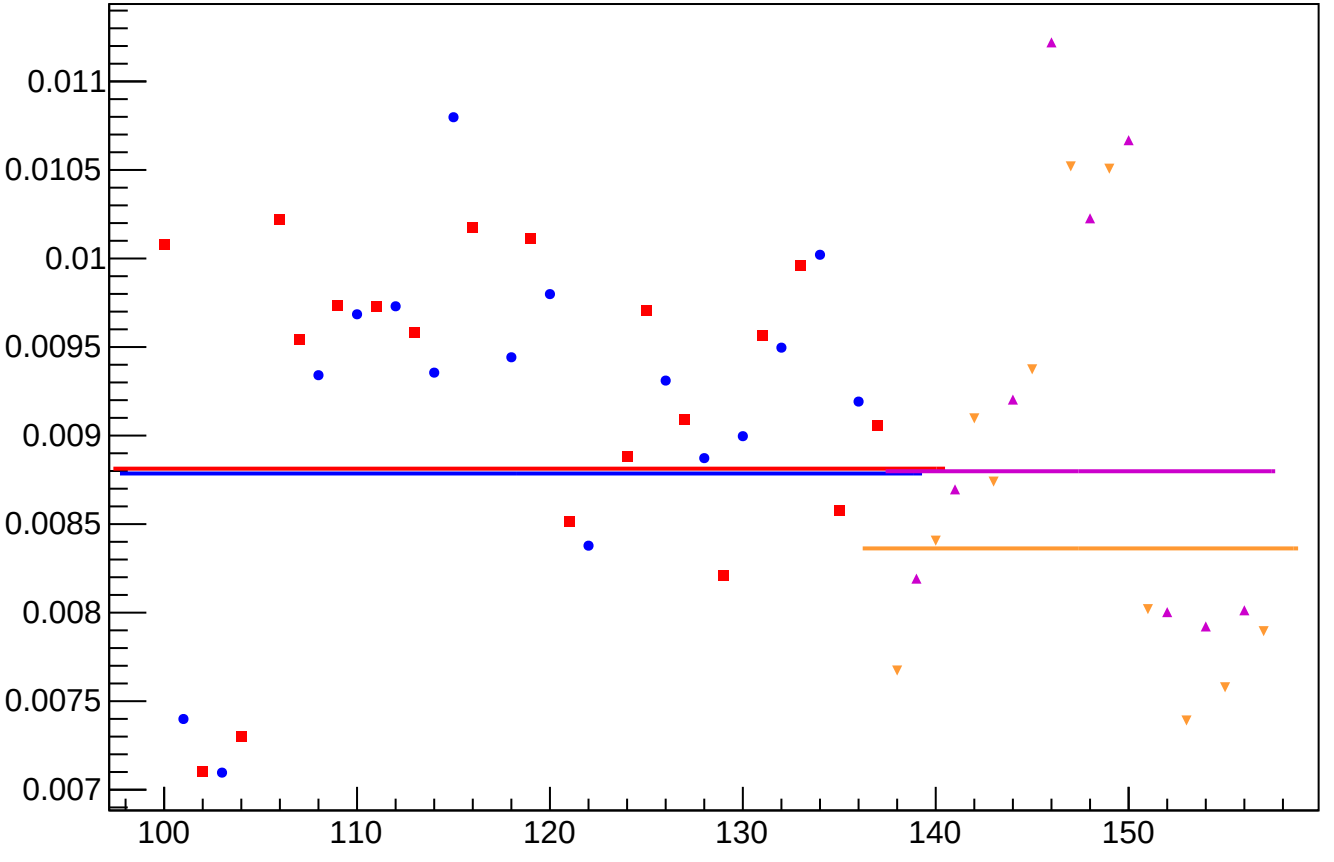
Left In: -1.352+/-0.000 χ^2/NDF:1767263387.3/8

+ sign -1.209+/-0.000 χ^2/NDF: 8677877742.9/26

All: -1.227+/-0.000 χ^2/NDF: 16135580370.4/

- sign -1.247+/-0.000 χ^2/NDF: 7320737102.5/27

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:204563.5/10

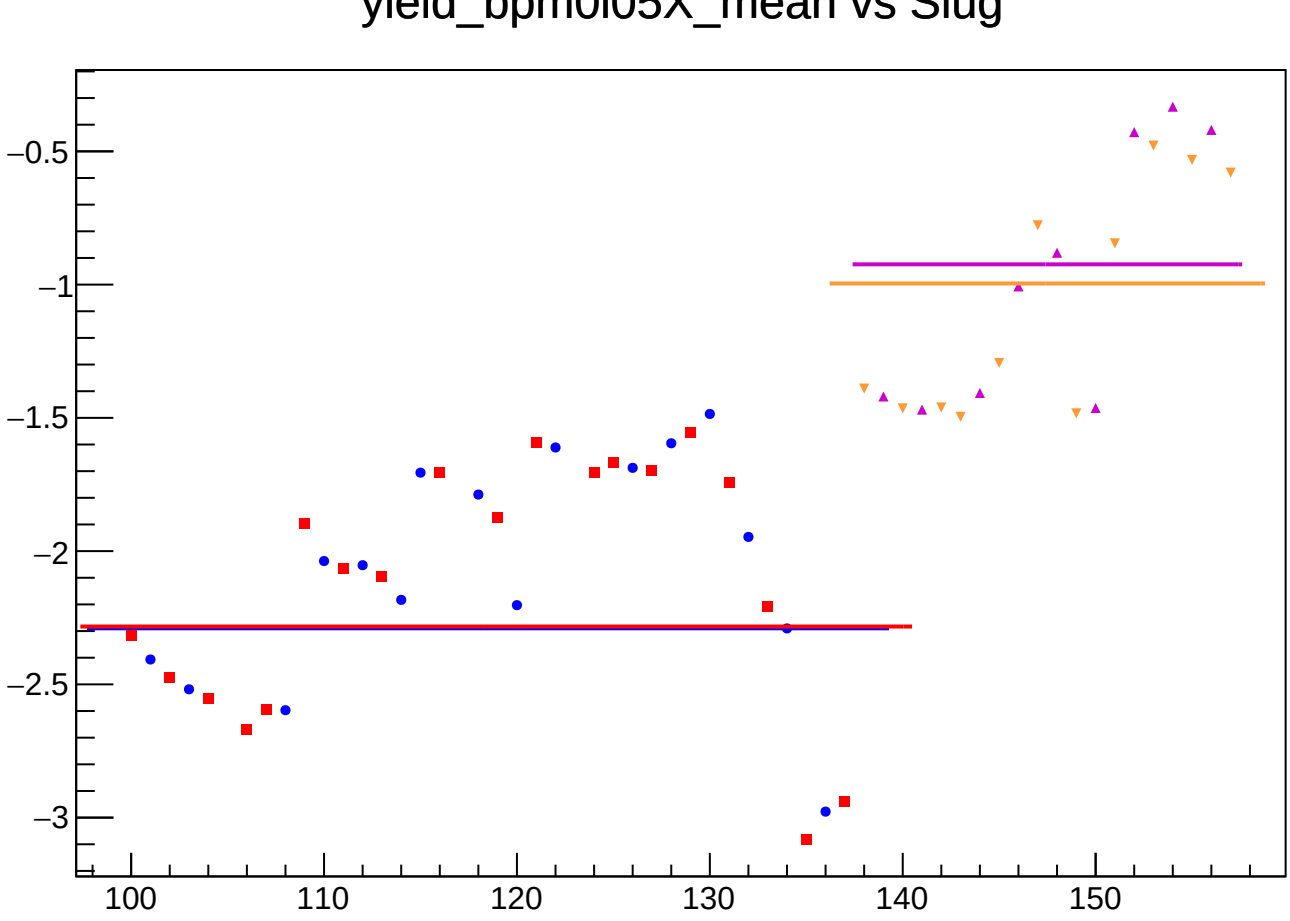
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:203347.4/8

+ sign 0.009+/-0.000 χ^2/NDF: 395723.3/26

All: 0.009+/-0.000 χ^2/NDF: 815892.5/54

- sign 0.009+/-0.000 χ^2/NDF: 407810.0/27



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.996+/-0.000 χ^2/NDF:19824196533.6/10

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

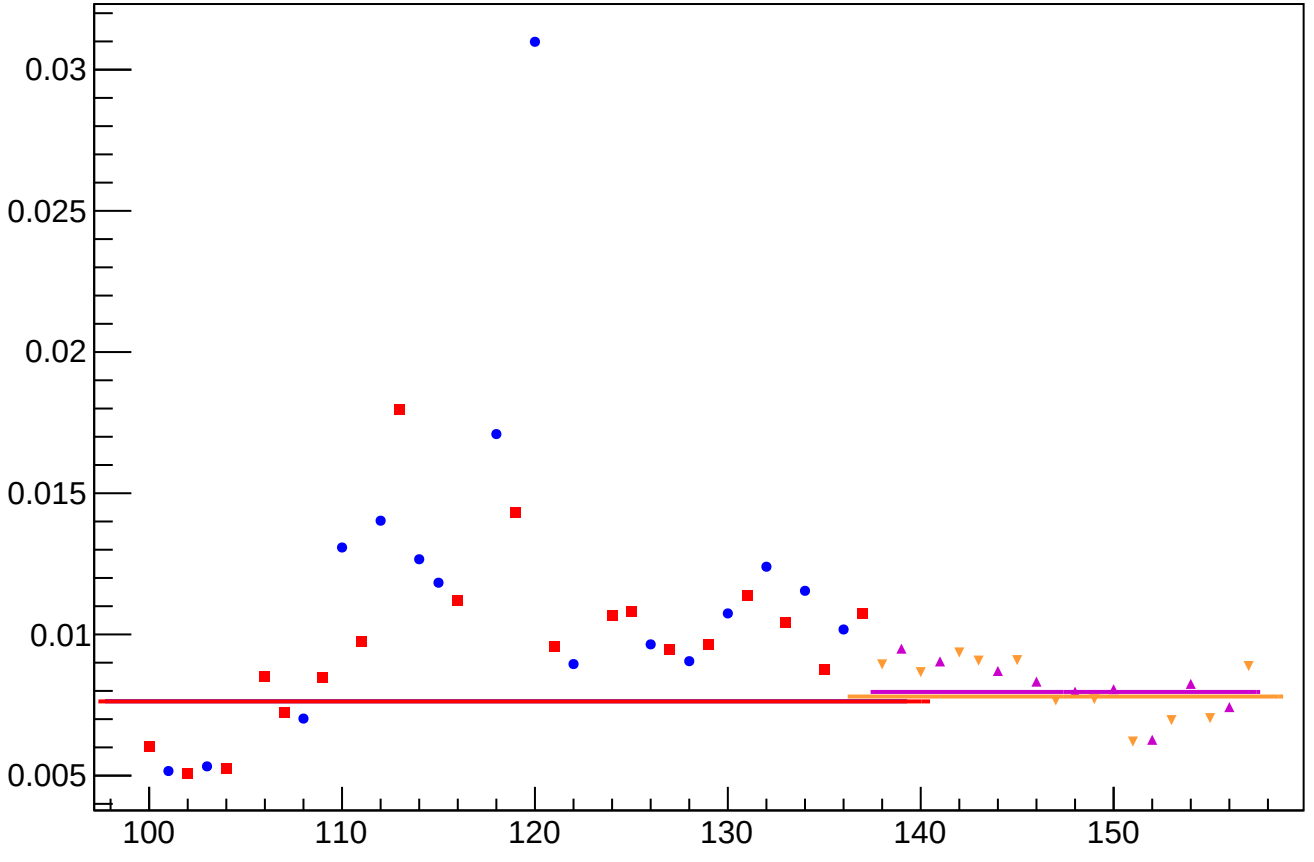
Left In: -0.924+/-0.000 χ^2/NDF:22756200365.0/8

+ sign -1.537+/-0.000 χ^2/NDF: 119973649681.3/26

All: -1.551+/-0.000 χ^2/NDF: 252840557656.

- sign -1.565+/-0.000 χ^2/NDF: 132791065318.5/27

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:266555.8/10

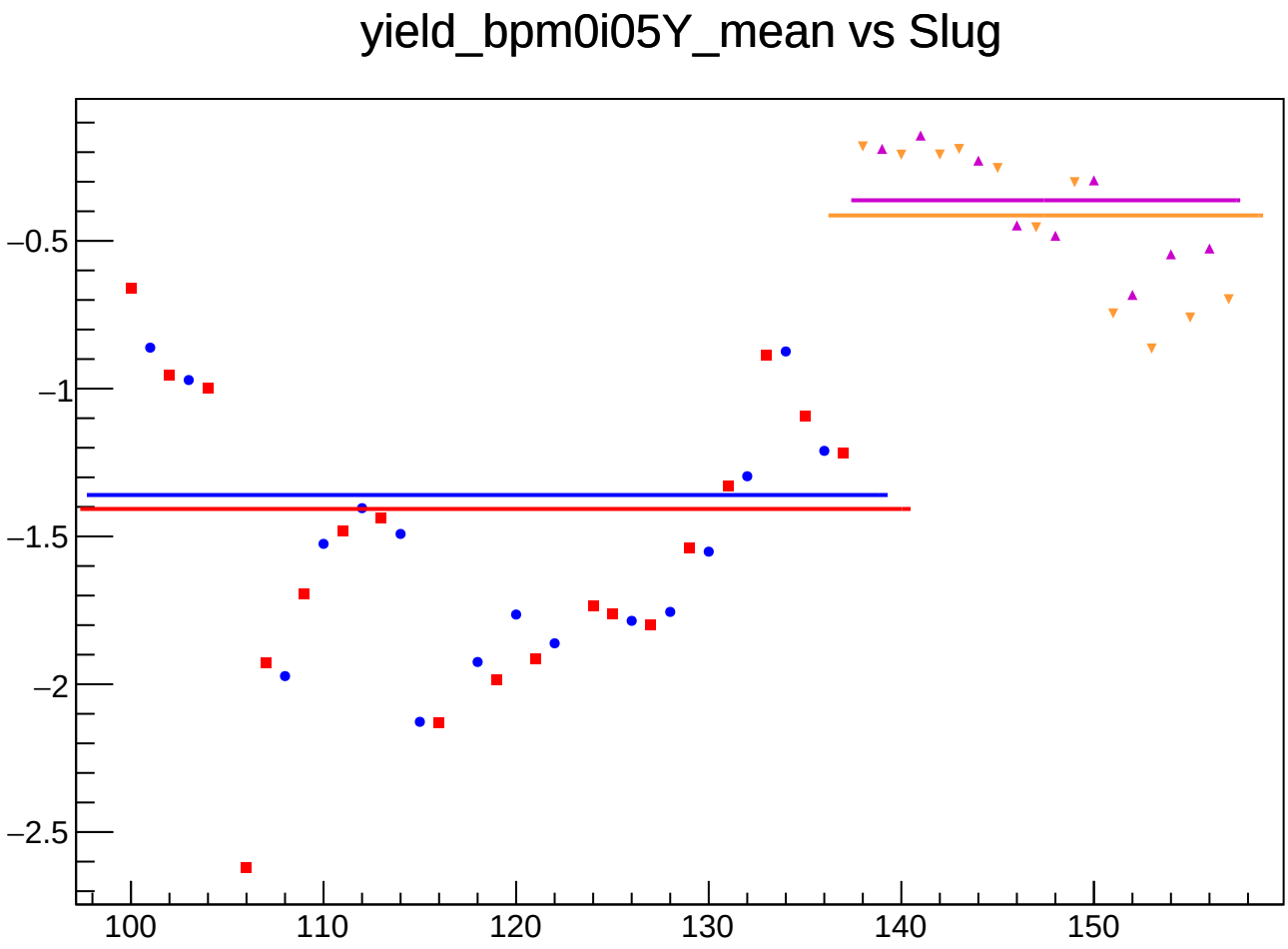
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:200136.1/8

+ sign 0.008+/-0.000 χ^2/NDF: 1980226.7/26

All: 0.008+/-0.000 χ^2/NDF: 3510643.8/54

- sign 0.008+/-0.000 χ^2/NDF: 1529272.3/27



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.414+/-0.000 χ^2/NDF:23947969720.6/10

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

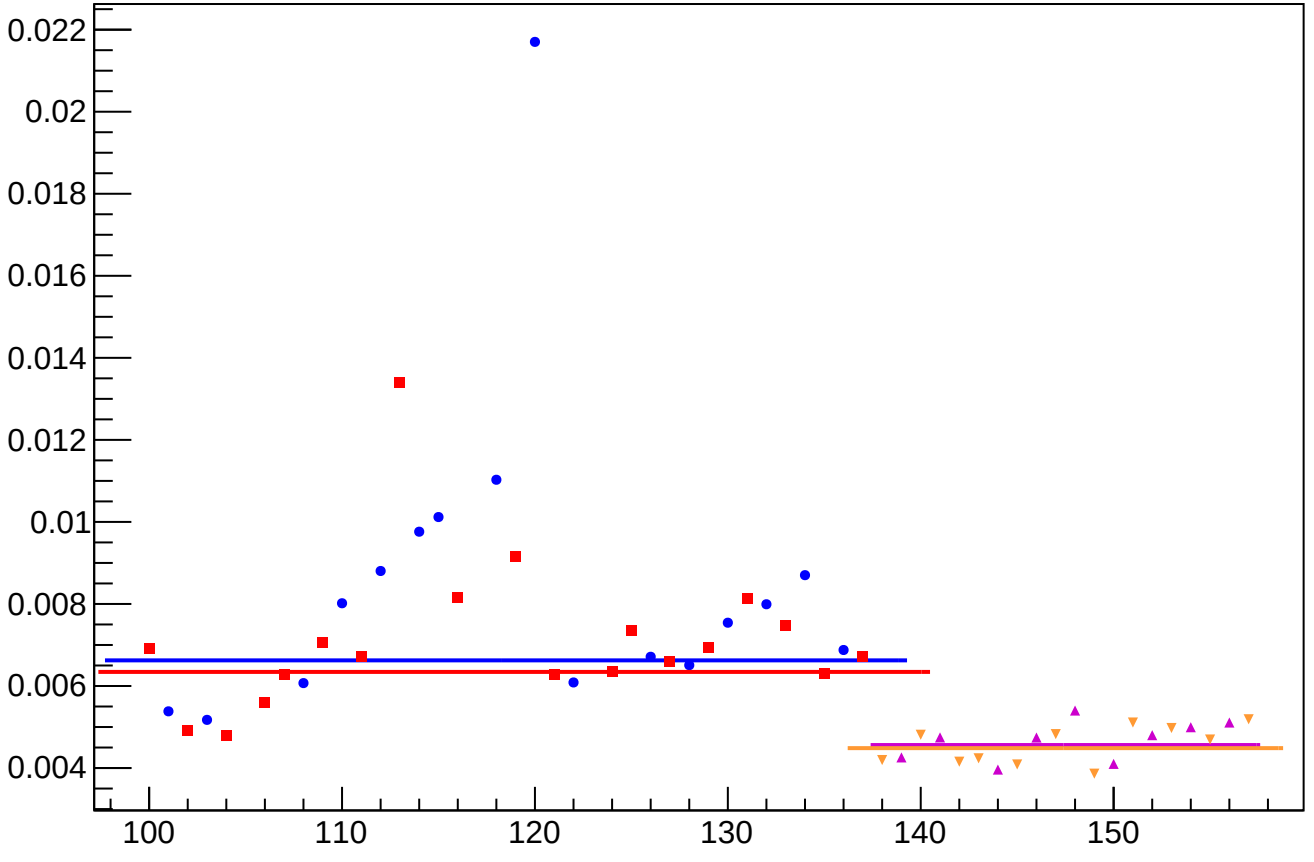
Left In: -0.363+/-0.000 χ^2/NDF:9858664486.5/8

+ sign -0.659+/-0.000 χ^2/NDF: 132807410319.2/26

All: -0.677+/-0.000 χ^2/NDF: 285808857673.

- sign -0.695+/-0.000 χ^2/NDF: 152683257393.8/27

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:145911.0/10

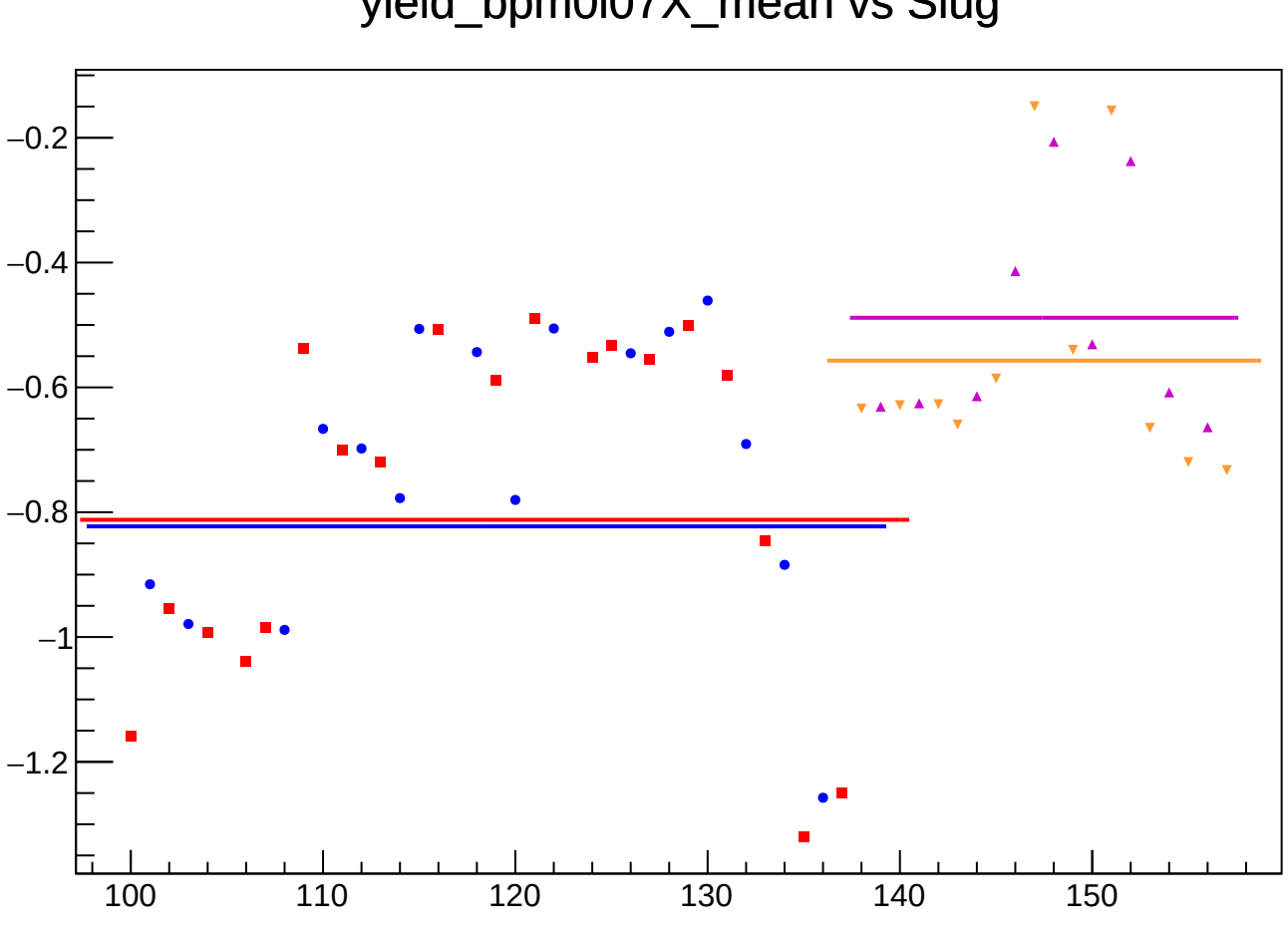
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:132818.9/8

+ sign 0.005+/-0.000 χ^2/NDF: 1734059.0/26

All: 0.005+/-0.000 χ^2/NDF: 3058671.3/54

- sign 0.005+/-0.000 χ^2/NDF: 1320791.5/27



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.557+/-0.000 χ^2/NDF:12474742395.1/10

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

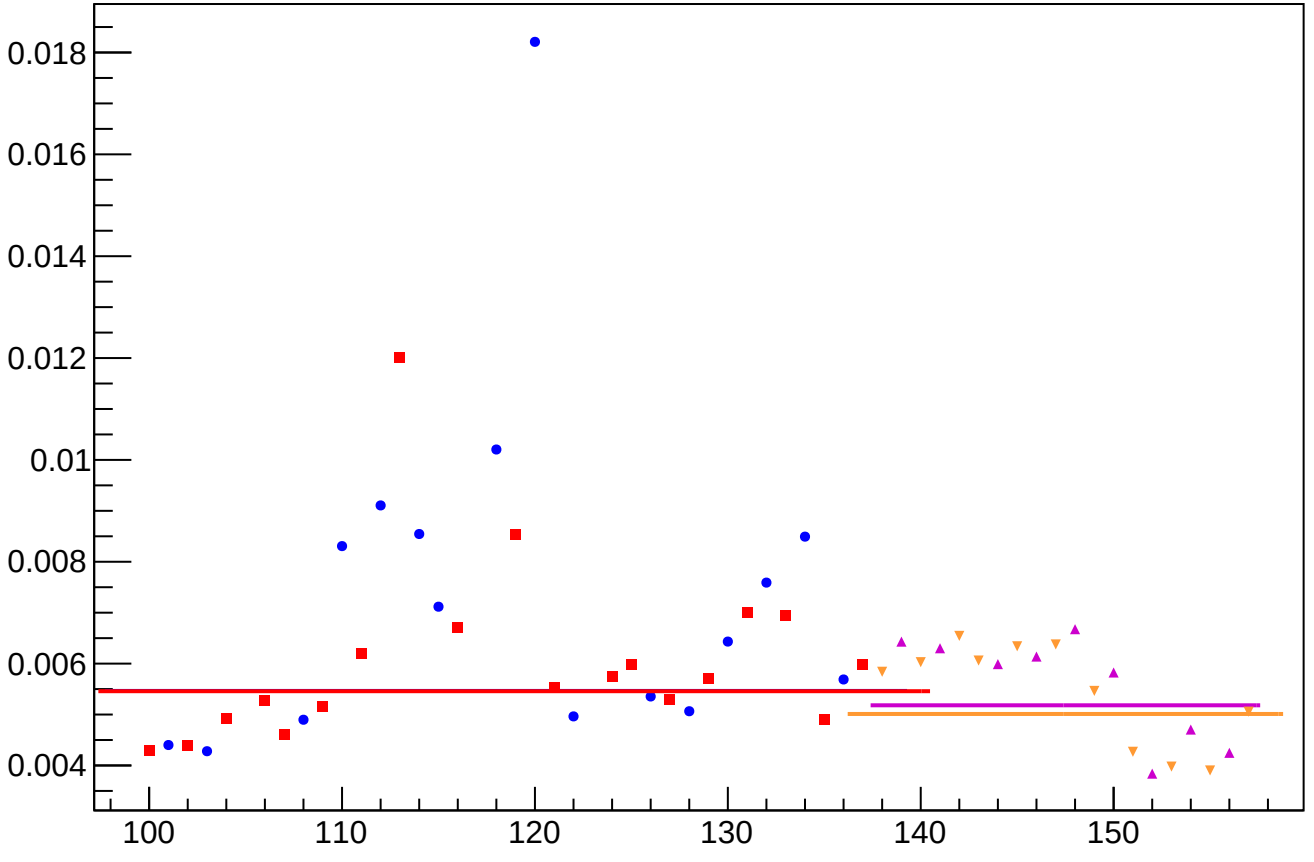
Left In: -0.488+/-0.000 χ^2/NDF:7642034918.9/8

+ sign -0.661+/-0.000 χ^2/NDF: 32657301703.0/26

All: -0.647+/-0.000 χ^2/NDF: 66941194064.6/

- sign -0.634+/-0.000 χ^2/NDF: 34117886593.3/27

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:555663.7/10

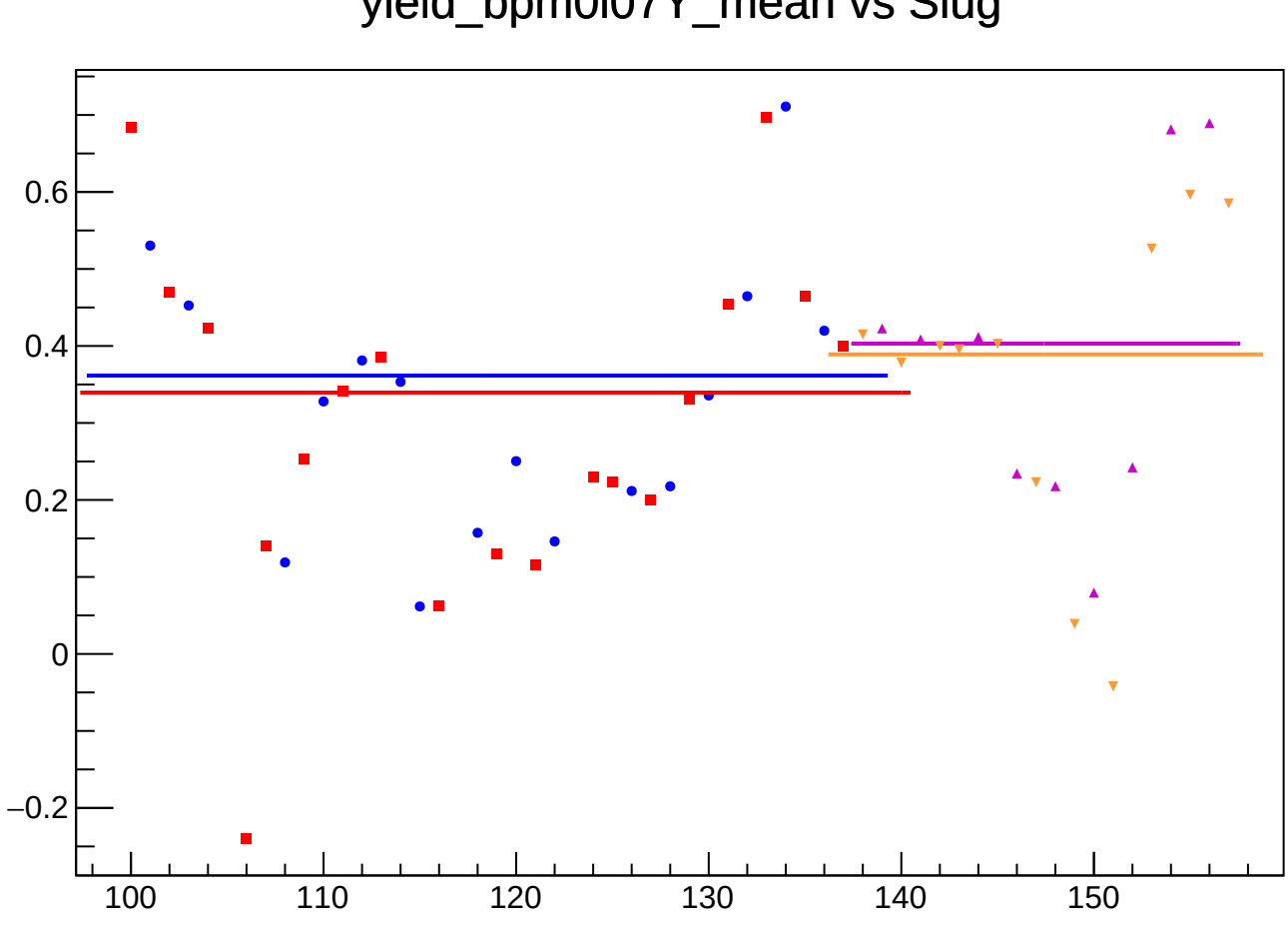
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:544092.4/8

+ sign 0.005+/-0.000 χ^2/NDF: 1563244.5/26

All: 0.005+/-0.000 χ^2/NDF: 2638655.1/54

- sign 0.005+/-0.000 χ^2/NDF: 1068925.7/27



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.389+/-0.000 χ^2/NDF:14685339892.8/10

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

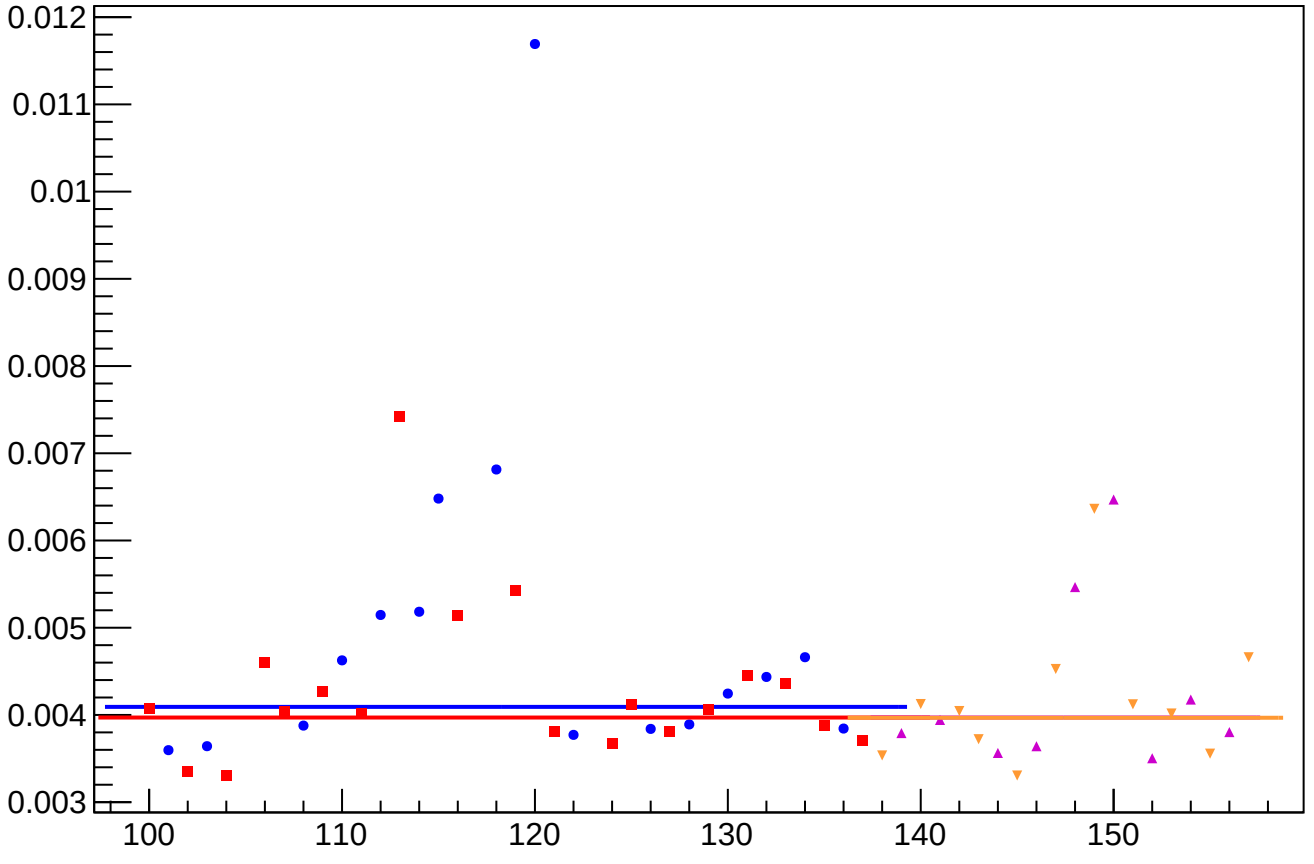
Left In: 0.403+/-0.000 χ^2/NDF:12803429974.0/8

+ sign 0.376+/-0.000 χ^2/NDF: 23606796692.6/26

All: 0.373+/-0.000 χ^2/NDF: 49275635365.5/5

- sign 0.370+/-0.000 χ^2/NDF: 25652543904.0/27

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:324959.0/10

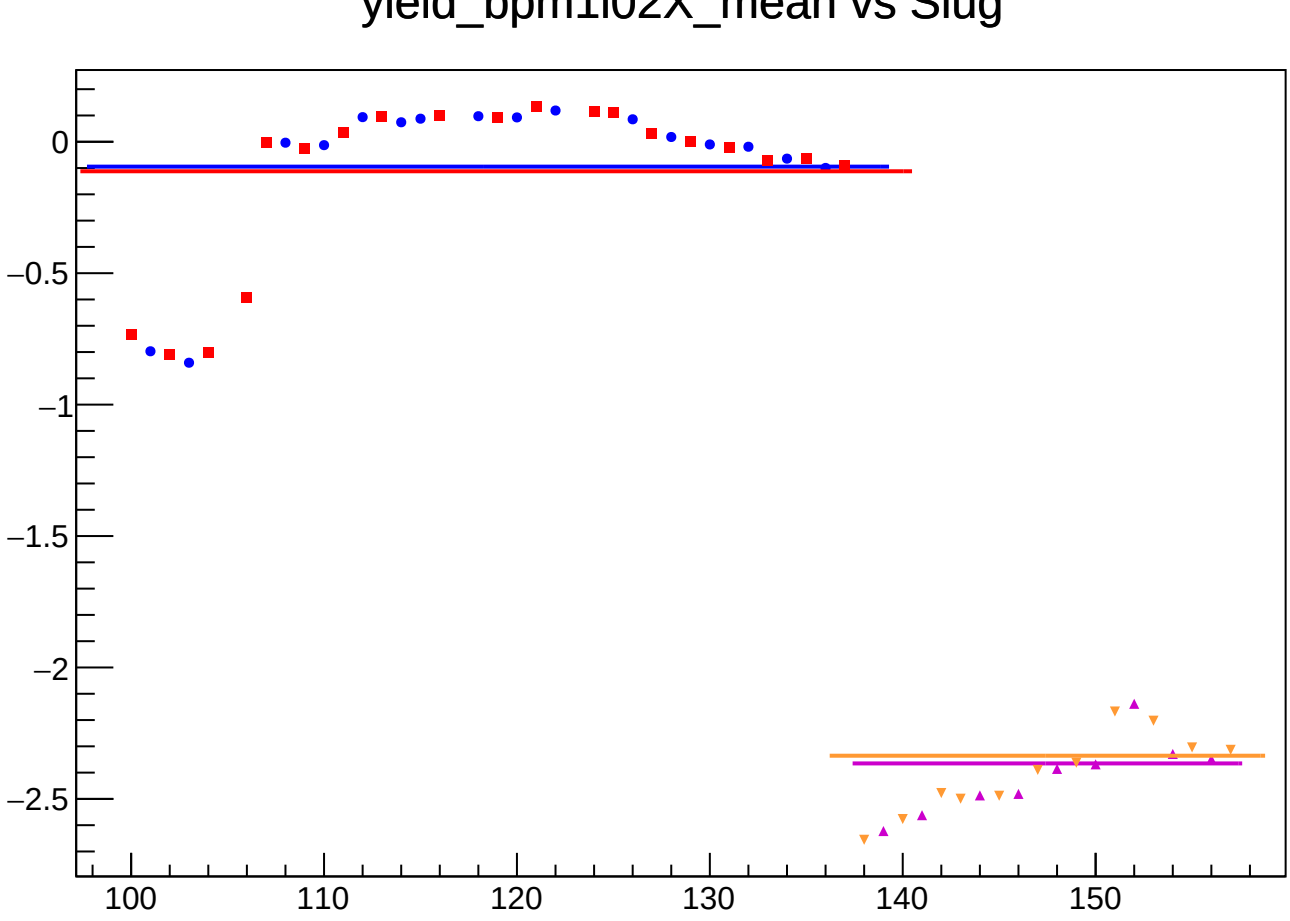
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:363588.6/8

+ sign 0.004+/-0.000 χ^2/NDF: 822692.6/26

All: 0.004+/-0.000 χ^2/NDF: 1502439.3/54

- sign 0.004+/-0.000 χ^2/NDF: 677289.7/27



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.336+/-0.000 χ^2/NDF:1522223728.7/10

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

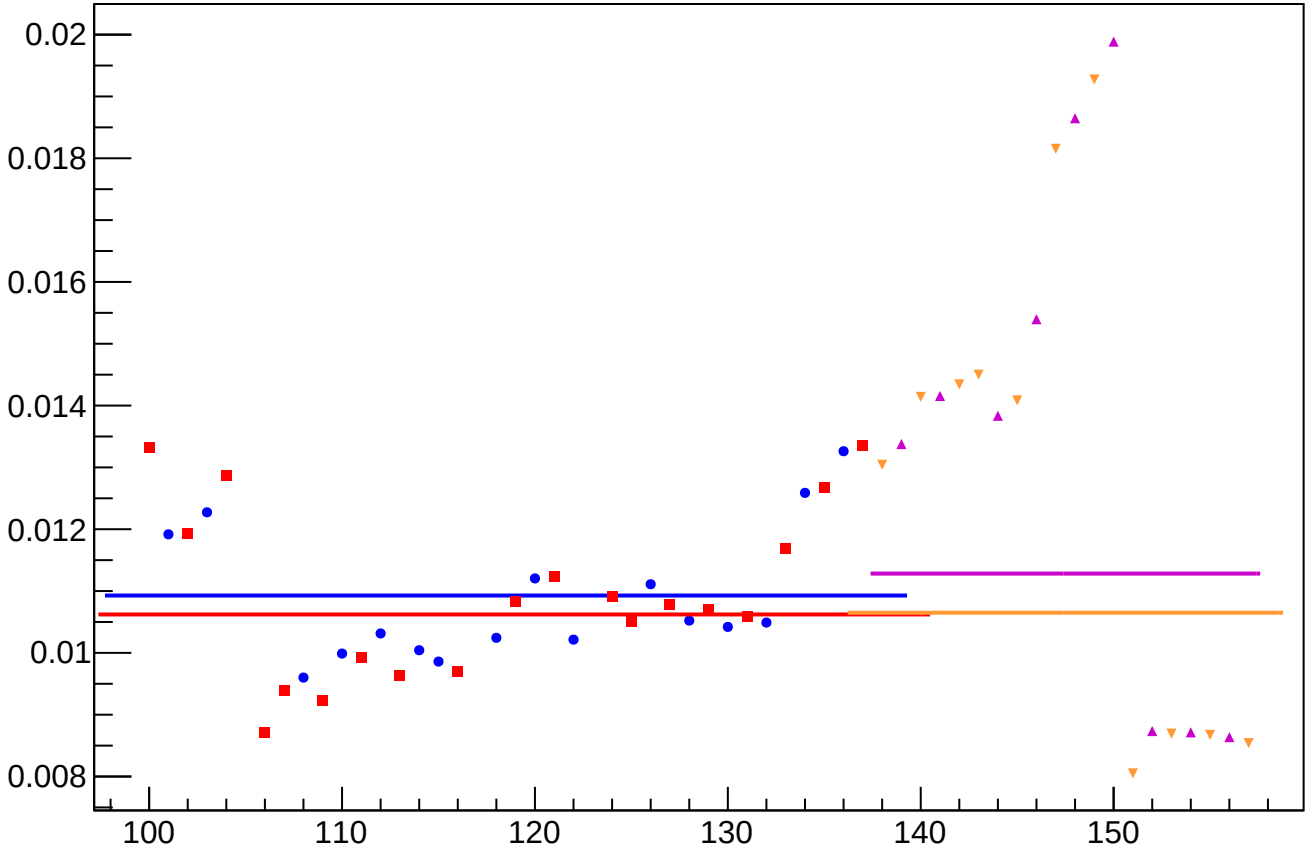
Left In: -2.365+/-0.000 χ^2/NDF:1198646175.2/8

+ sign -1.299+/-0.000 χ^2/NDF: 168021635819.4/26

All: -1.227+/-0.000 χ^2/NDF: 329563046386.5

- sign -1.150+/-0.000 χ^2/NDF: 160152924294.5/27

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:1476625.3/10

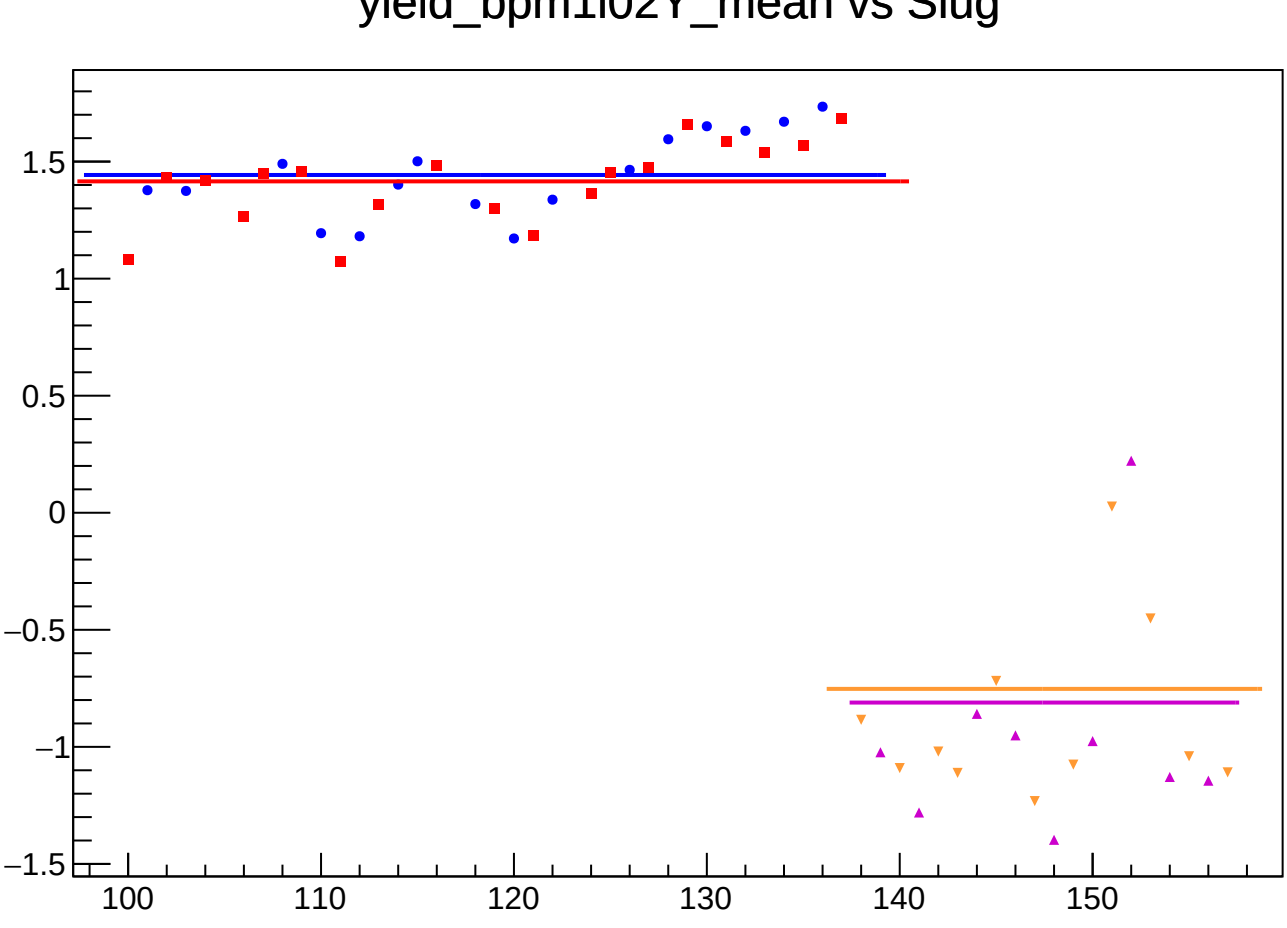
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.011+/-0.000 χ^2/NDF:1346727.4/8

+ sign 0.011+/-0.000 χ^2/NDF: 1618059.8/26

All: 0.011+/-0.000 χ^2/NDF: 3184391.9/54

- sign 0.011+/-0.000 χ^2/NDF: 1563593.3/27



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.752+/-0.000 χ^2/NDF:24444545489.8/10

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

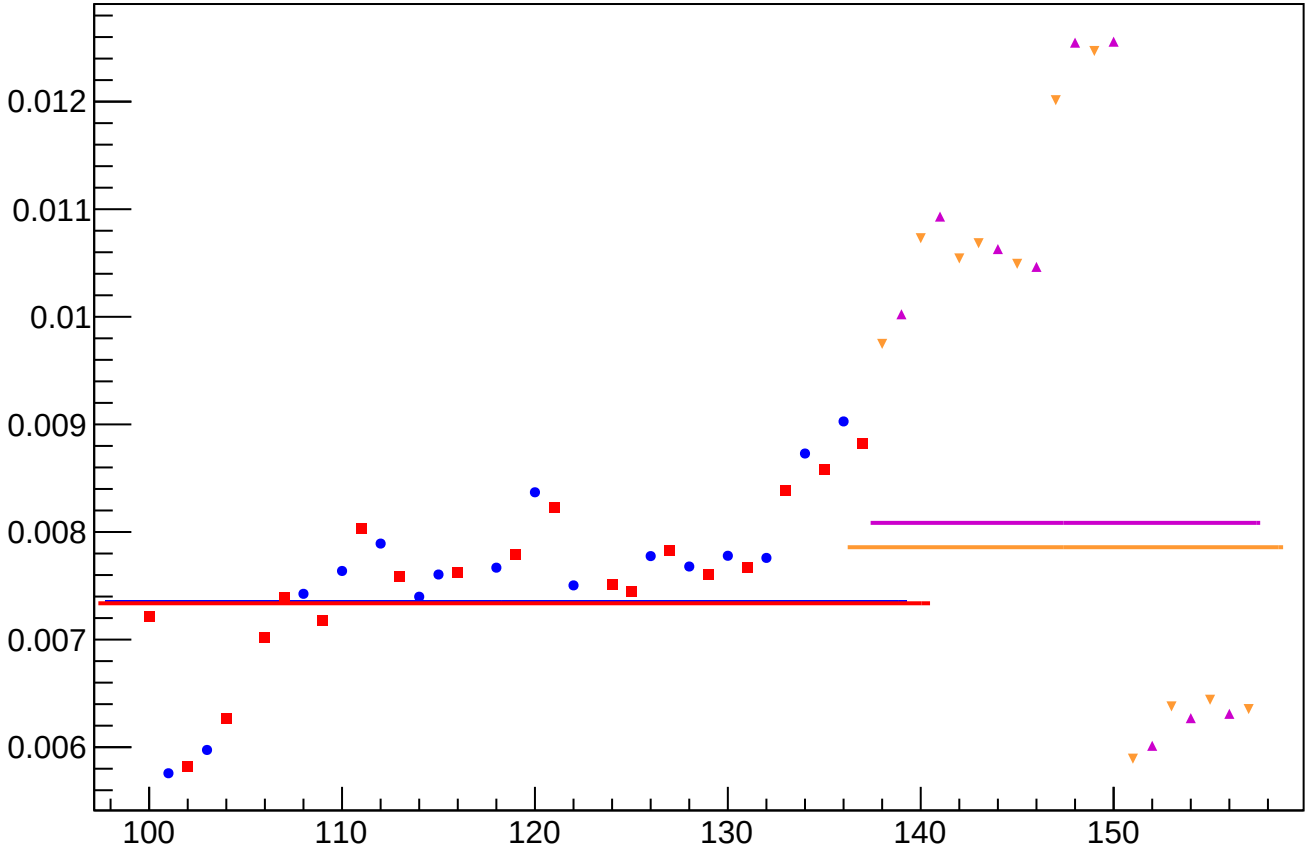
Left In: -0.811+/-0.000 χ^2/NDF:34128086891.3/8

+ sign 0.354+/-0.000 χ^2/NDF: 340961682370.0/26

All: 0.389+/-0.000 χ^2/NDF: 679799323447.0

- sign 0.427+/-0.000 χ^2/NDF: 338150052155.8/27

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1318848.7/10

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

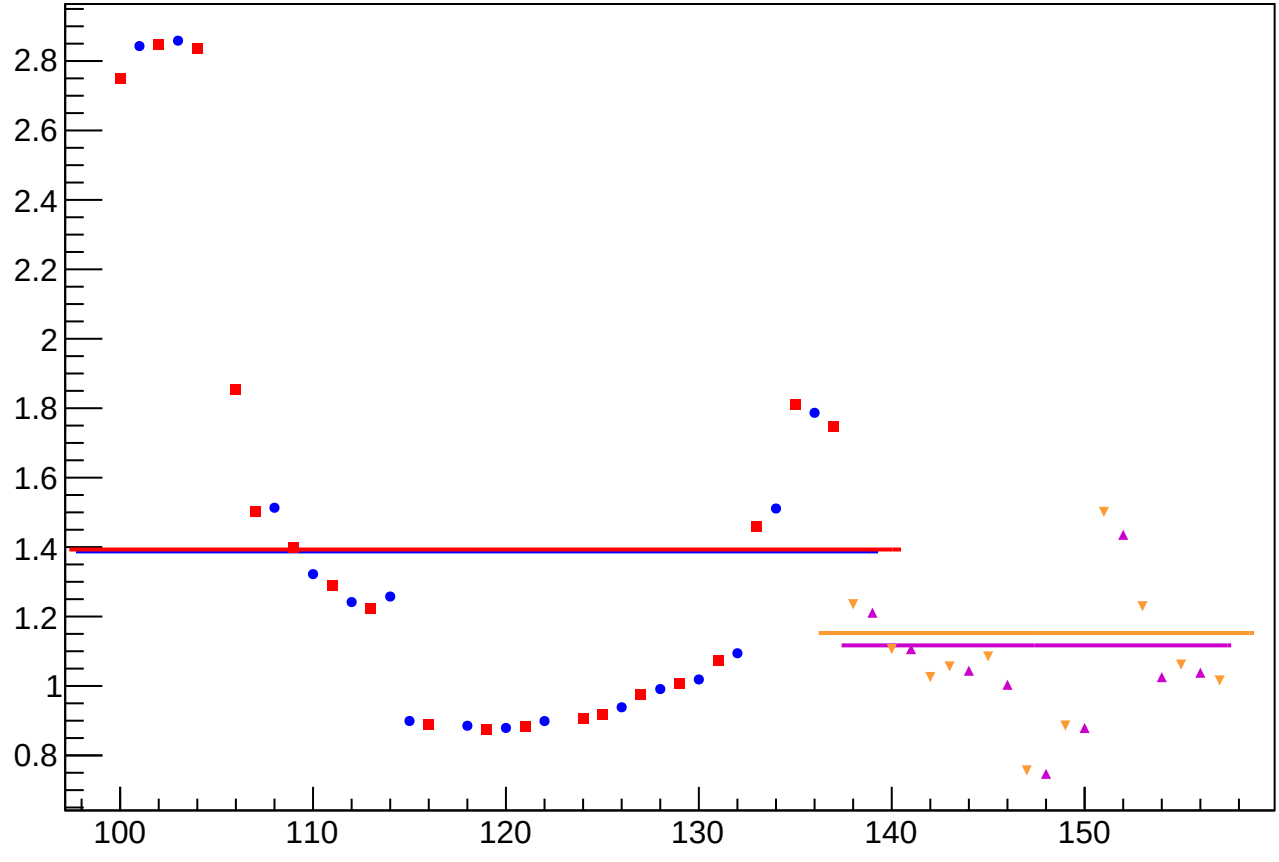
Left In: 0.008+/-0.000 χ^2/NDF:1295273.2/8

+ sign 0.008+/-0.000 χ^2/NDF: 1623377.3/26

All: 0.008+/-0.000 χ^2/NDF: 3183065.1/54

- sign 0.008+/-0.000 χ^2/NDF: 1558545.6/27

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.153+/-0.000 χ^2/NDF:4962430770.0/10

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

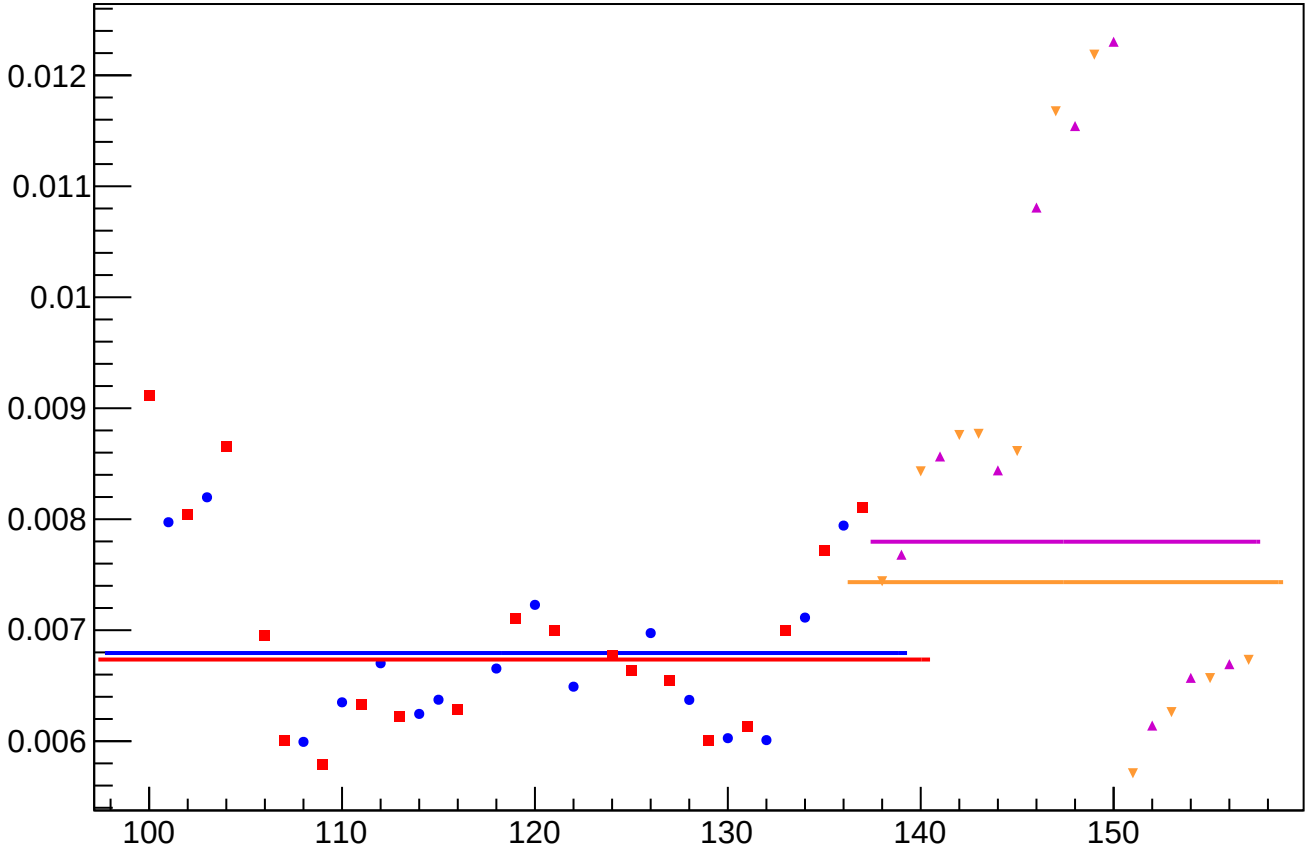
Left In: 1.117+/-0.000 χ^2/NDF:3988182608.1/8

+ sign 1.274+/-0.000 χ^2/NDF: 67673001708.8/26

All: 1.276+/-0.000 χ^2/NDF: 132227801335.1

- sign 1.277+/-0.000 χ^2/NDF: 64553825497.6/27

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:777351.5/10

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

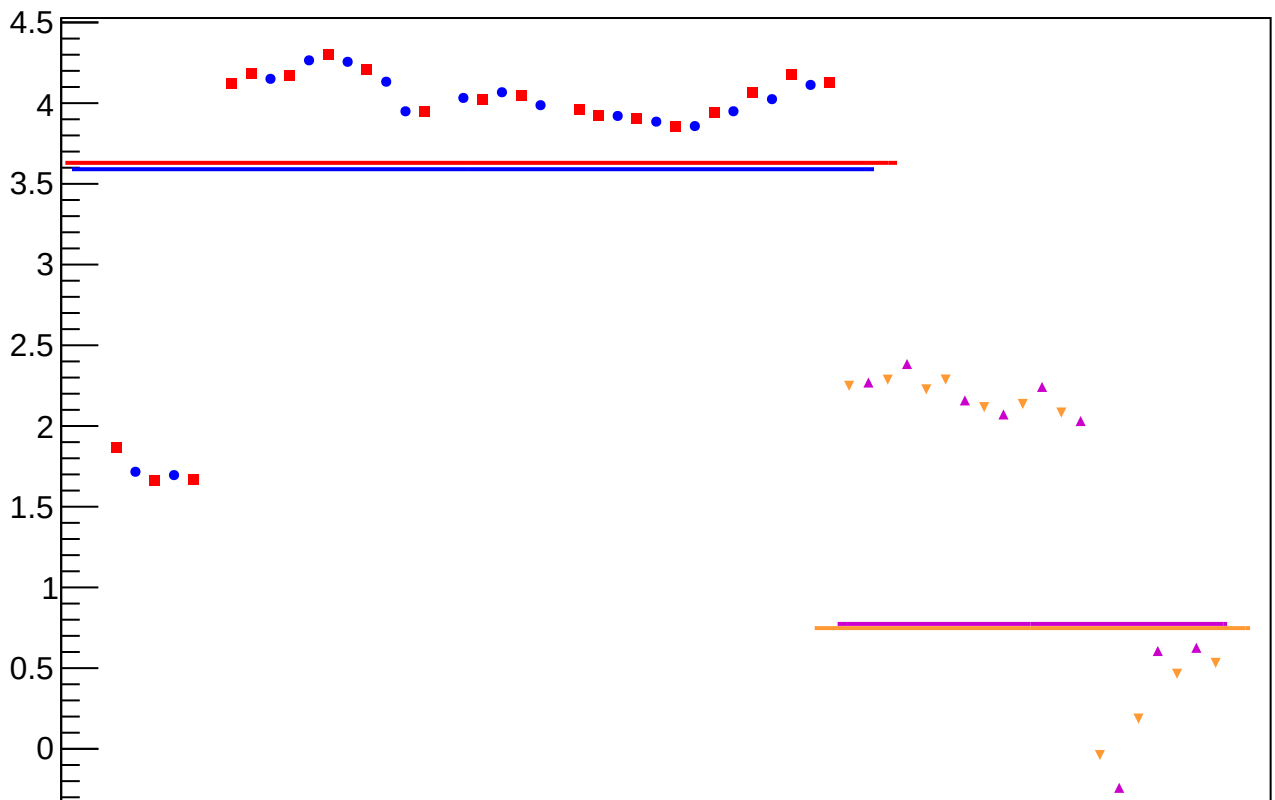
Left In: 0.008+/-0.000 χ^2/NDF:765554.7/8

+ sign 0.007+/-0.000 χ^2/NDF: 1002311.1/26

All: 0.007+/-0.000 χ^2/NDF: 2121940.7/54

- sign 0.007+/-0.000 χ^2/NDF: 1117785.5/27

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.748+/-0.000 χ^2/NDF:238694568757.3/10

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

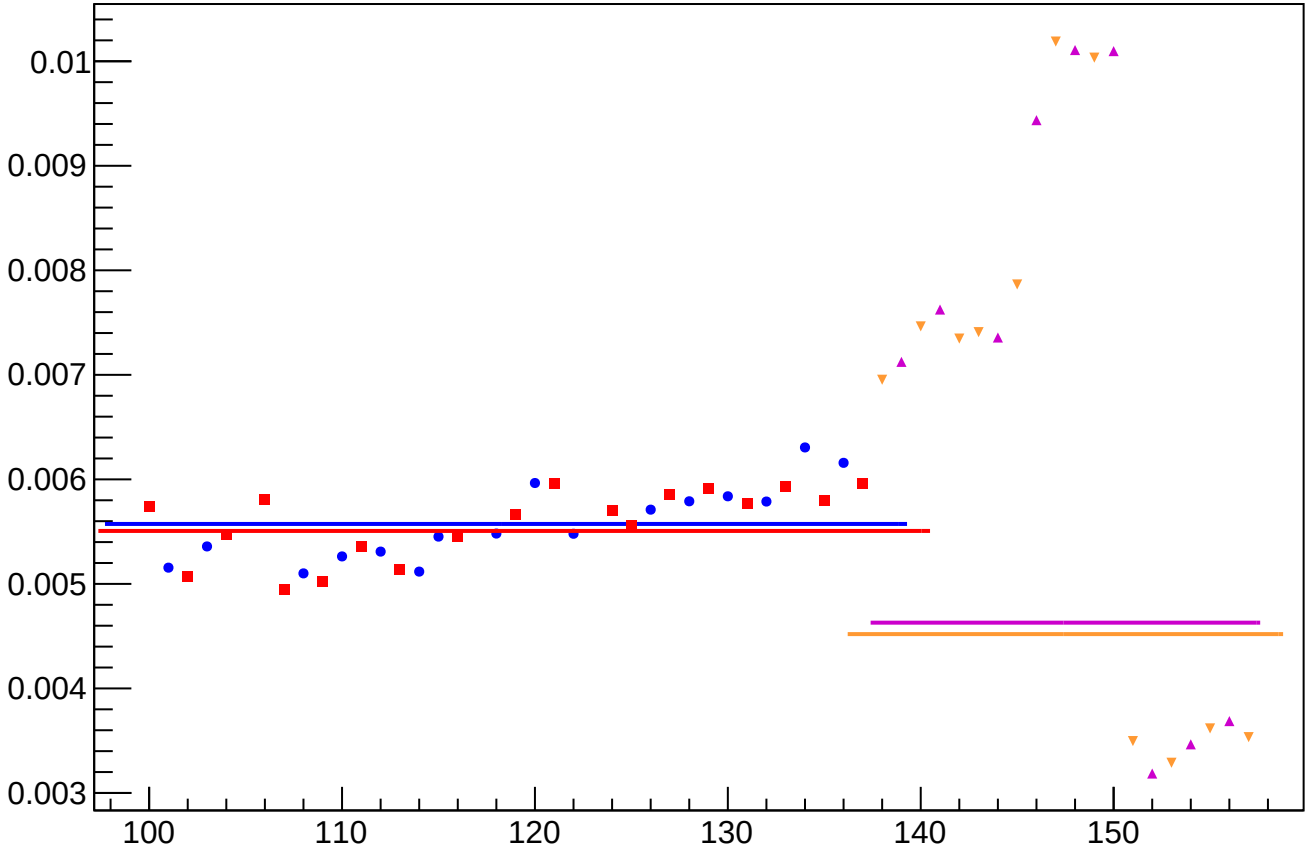
Left In: 0.774+/-0.000 χ^2/NDF:238229690369.0/8

+ sign 1.904+/-0.000 χ^2/NDF: 1547278254175.8/26

All: 1.990+/-0.000 χ^2/NDF: 3070644627592.

- sign 2.083+/-0.000 χ^2/NDF: 1514558234175.8/27

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2560988.8/10

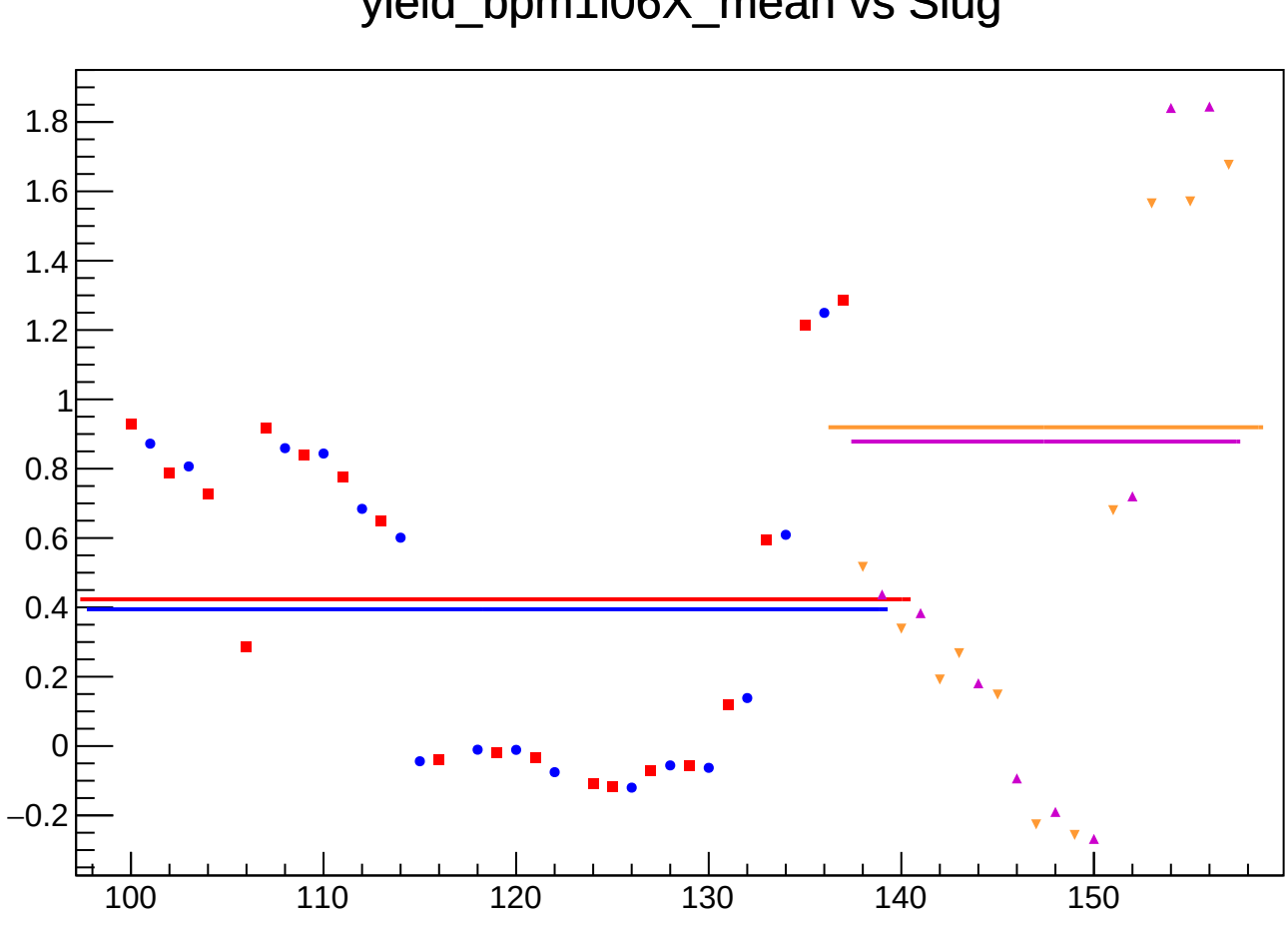
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.005+/-0.000 χ^2/NDF:2685363.4/8

+ sign 0.005+/-0.000 χ^2/NDF: 2924217.1/26

All: 0.005+/-0.000 χ^2/NDF: 5871598.5/54

- sign 0.005+/-0.000 χ^2/NDF: 2943596.0/27



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.920+/-0.000 χ^2/NDF:25317149188.9/10

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

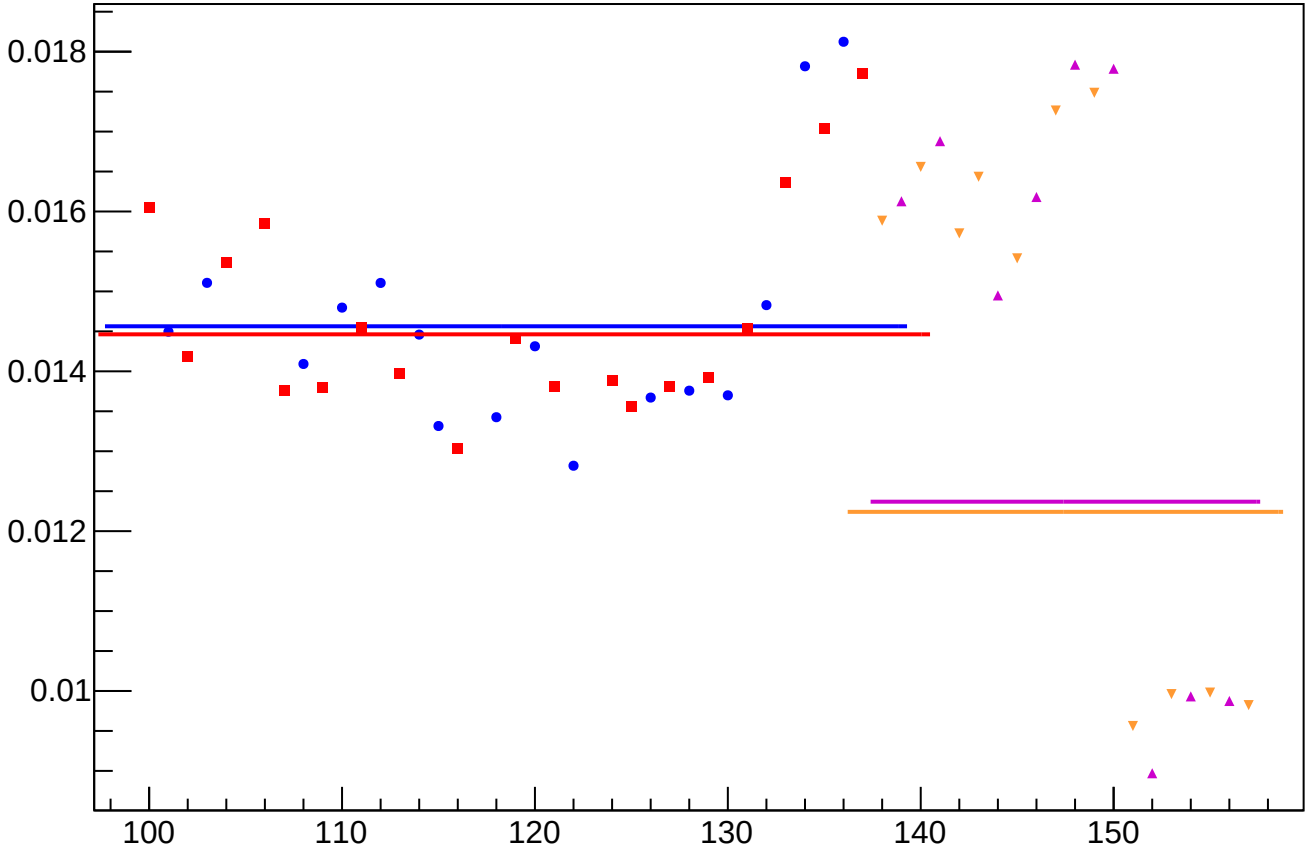
Left In: 0.878+/-0.000 χ^2/NDF:29340015786.6/8

+ sign 0.717+/-0.000 χ^2/NDF: 38390715794.7/26

All: 0.701+/-0.000 χ^2/NDF: 78811631559.3/5

- sign 0.684+/-0.000 χ^2/NDF: 40375781494.5/27

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:1087793.2/10

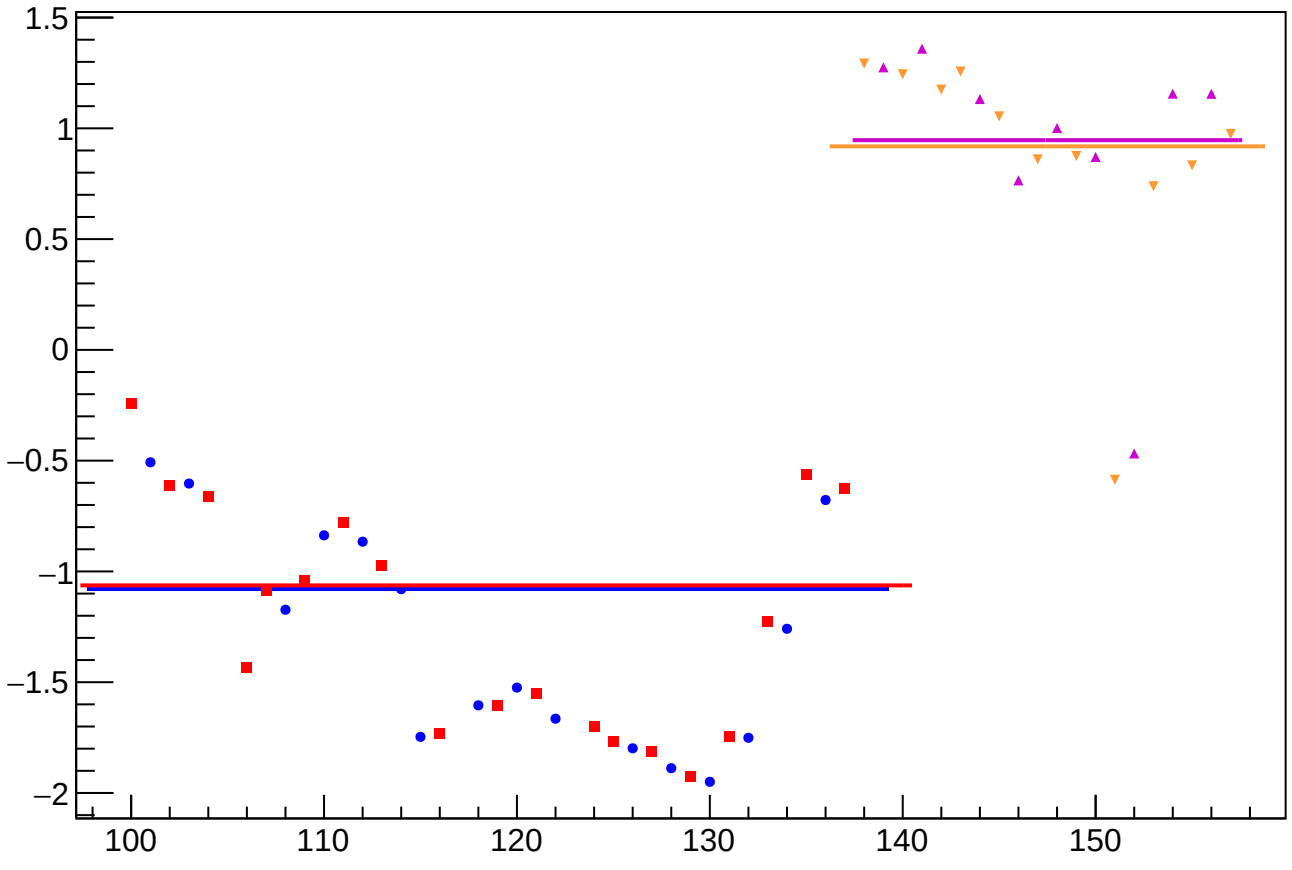
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.012+/-0.000 χ^2/NDF:1138729.3/8

+ sign 0.013+/-0.000 χ^2/NDF: 1442456.6/26

All: 0.013+/-0.000 χ^2/NDF: 2834995.6/54

- sign 0.013+/-0.000 χ^2/NDF: 1391235.8/27



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.919+/-0.000 χ^2/NDF:98734920446.6/10

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

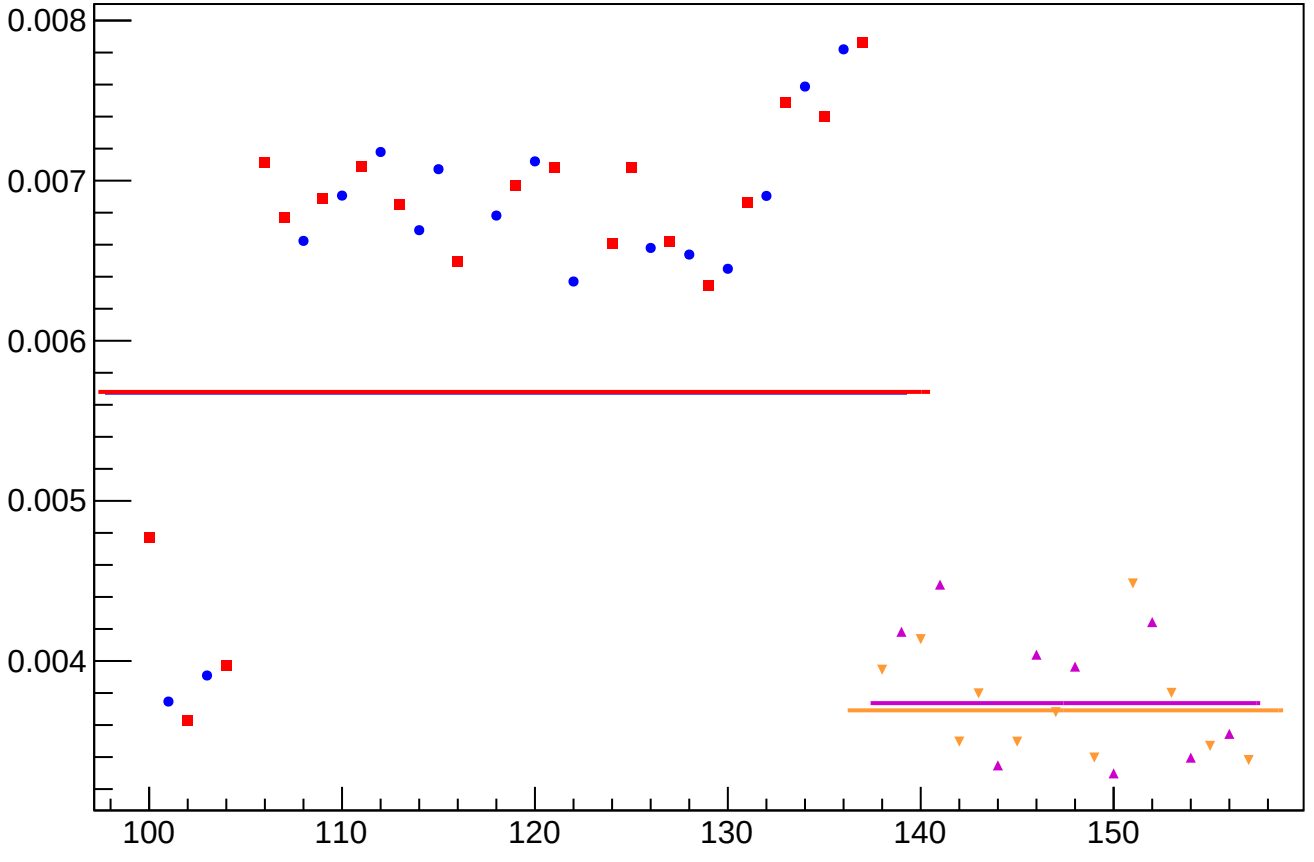
Left In: 0.947+/-0.000 χ^2/NDF:111010724302.8/8

+ sign 0.400+/-0.000 χ^2/NDF: 742545238694.4/26

All: 0.382+/-0.000 χ^2/NDF: 1476387282534.

- sign 0.362+/-0.000 χ^2/NDF: 733336847625.3/27

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:105420.6/10

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

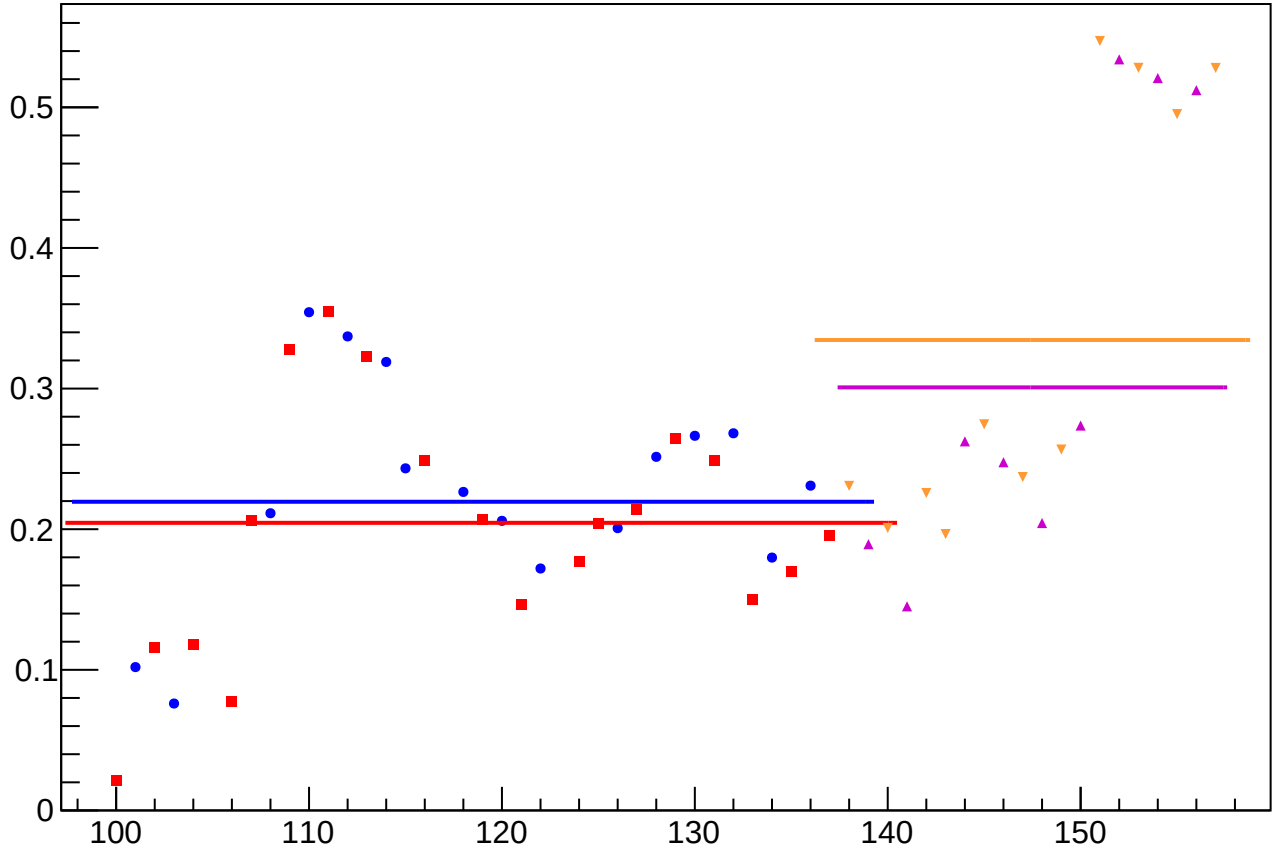
Left In: 0.004+/-0.000 χ^2/NDF:168648.0/8

+ sign 0.004+/-0.000 χ^2/NDF: 2202266.8/26

All: 0.004+/-0.000 χ^2/NDF: 4428954.5/54

- sign 0.004+/-0.000 χ^2/NDF: 2220196.0/27

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.335+/-0.000 χ^2/NDF:83614898518.3/10

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

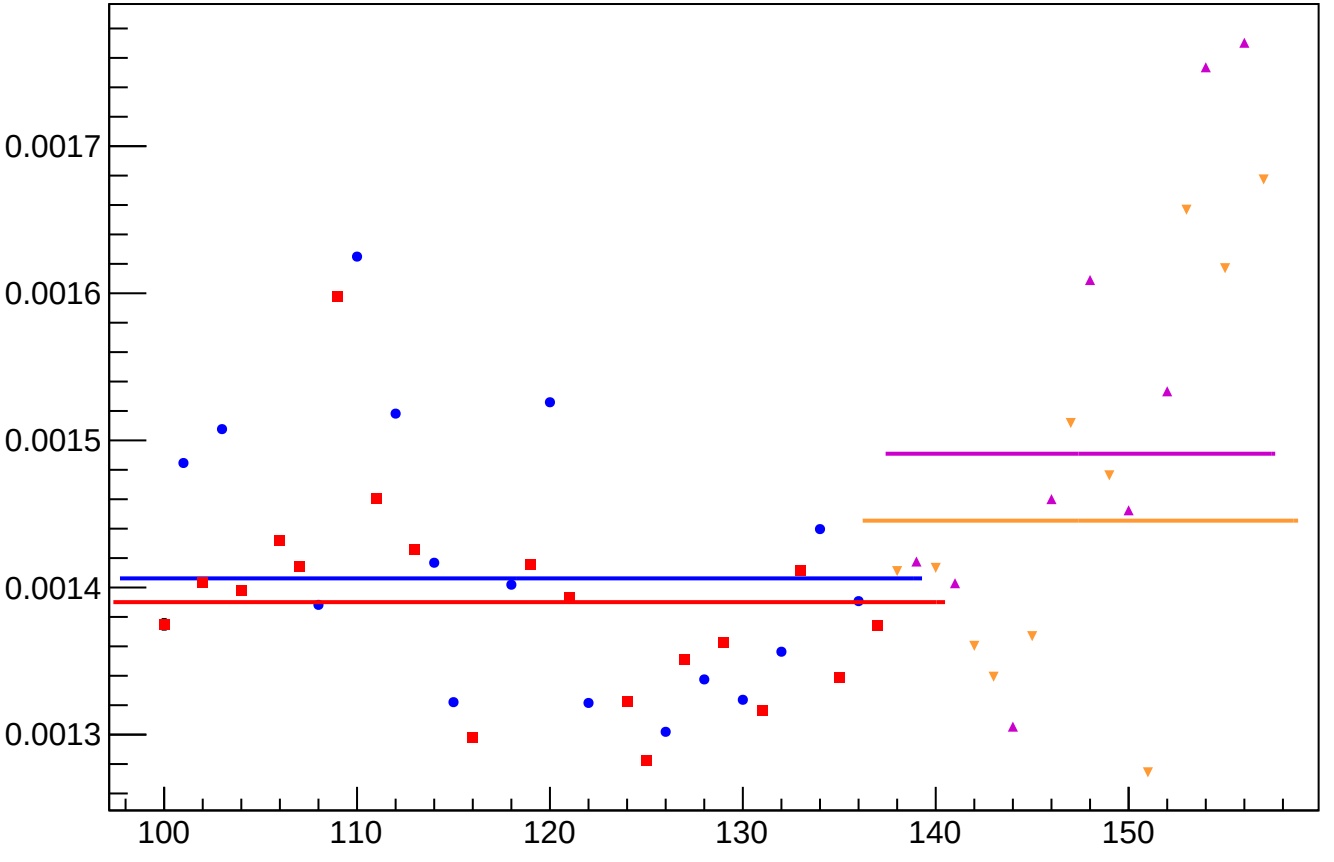
Left In: 0.301+/-0.000 χ^2/NDF:65457565922.4/8

+ sign 0.281+/-0.000 χ^2/NDF: 125272540850.0/26

All: 0.266+/-0.000 χ^2/NDF: 233290361788.7

- sign 0.250+/-0.000 χ^2/NDF: 104439118994.2/27

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:130739.1/10

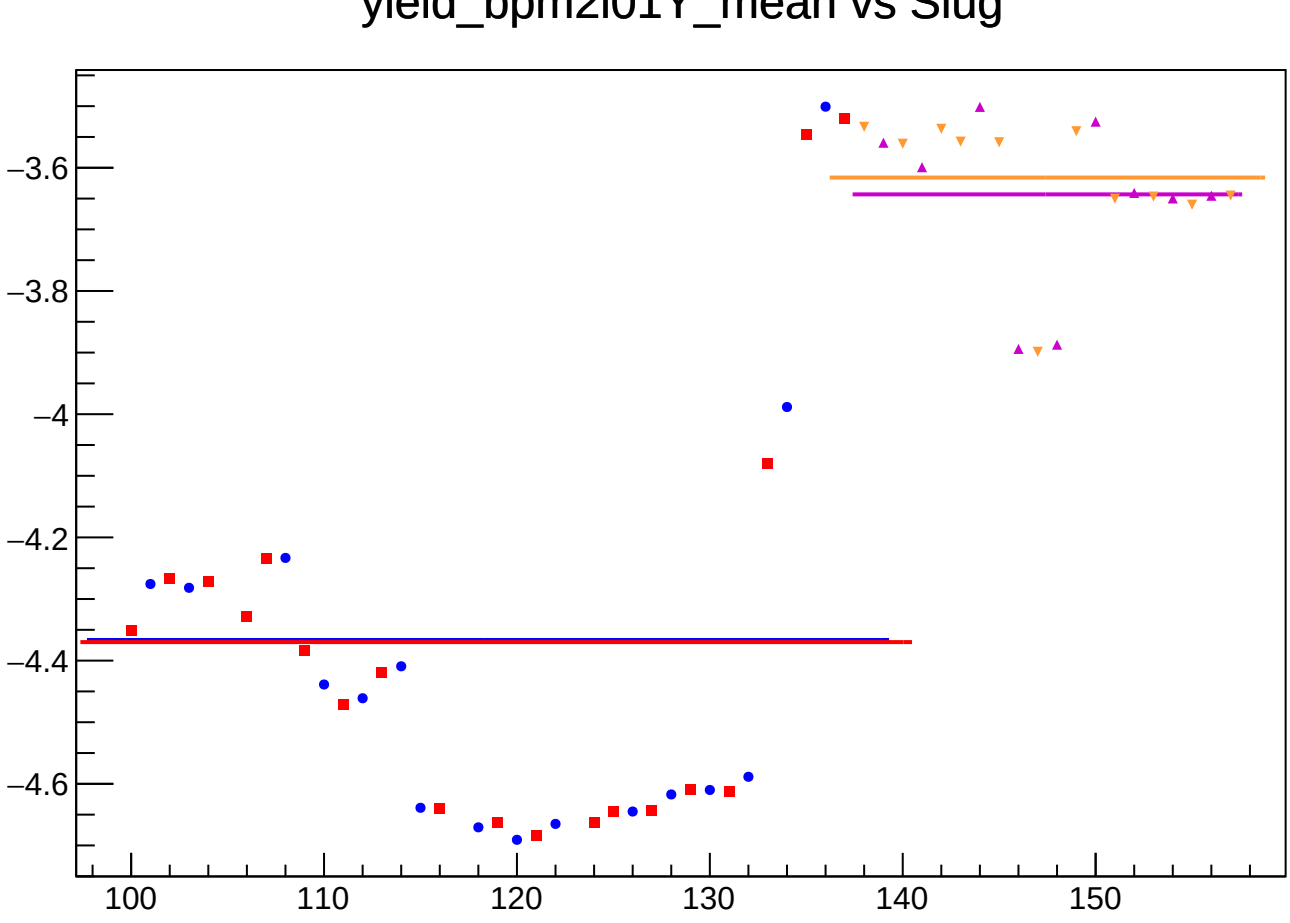
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:138371.9/8

+ sign 0.001+/-0.000 χ^2/NDF: 184741.3/26

All: 0.001+/-0.000 χ^2/NDF: 395307.3/54

- sign 0.001+/-0.000 χ^2/NDF: 209741.5/27



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.616+/-0.000 χ^2/NDF:20021265533.4/10

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

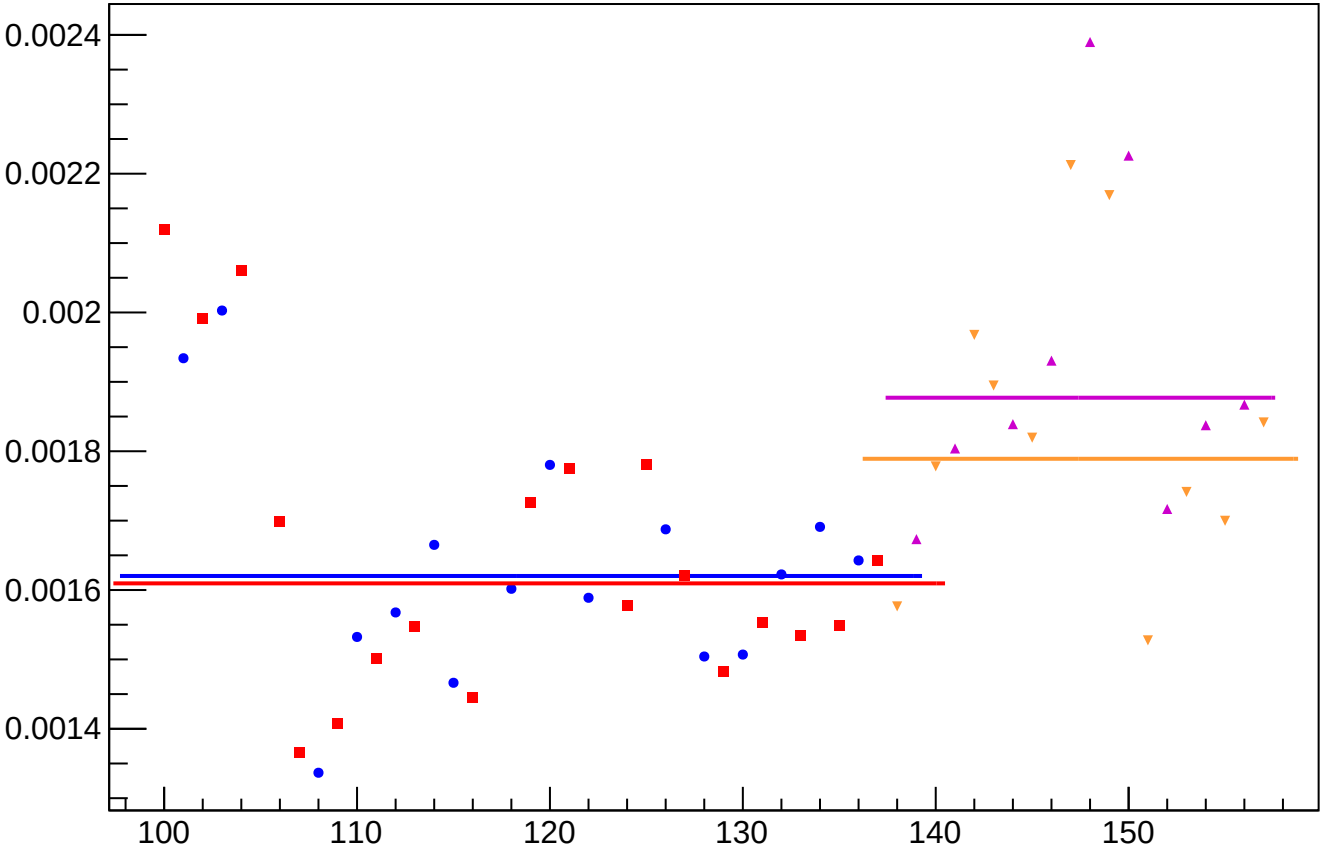
Left In: -3.643+/-0.000 χ^2/NDF:32359833448.4/8

+ sign -3.996+/-0.000 χ^2/NDF: 1101995598449.8/2

All: -4.024+/-0.000 χ^2/NDF: 206838851338

- sign -4.055+/-0.000 χ^2/NDF: 957590084714.0/27

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:200438.9/10

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

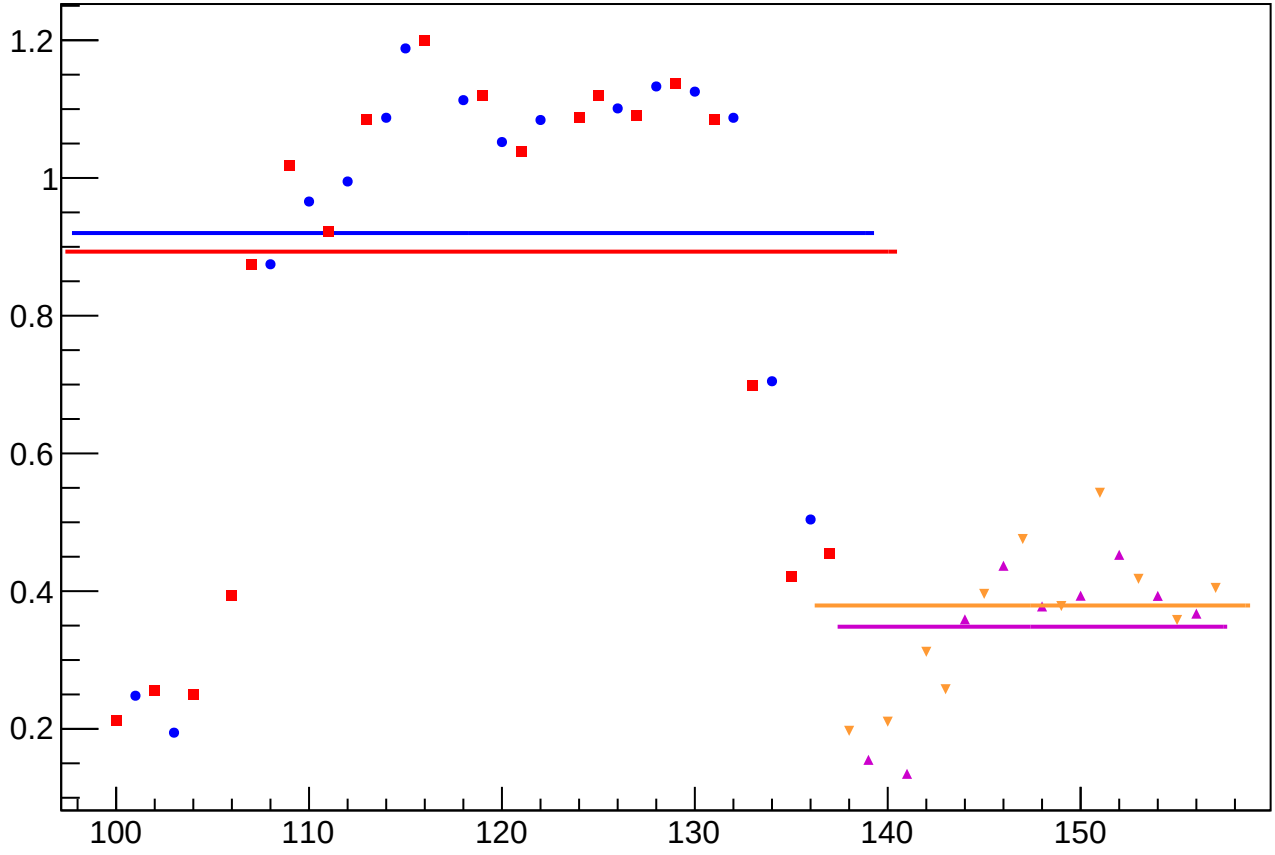
Left In: 0.002+/-0.000 χ^2/NDF:160337.0/8

+ sign 0.002+/-0.000 χ^2/NDF: 414458.7/26

All: 0.002+/-0.000 χ^2/NDF: 932694.6/54

- sign 0.002+/-0.000 χ^2/NDF: 515839.2/27

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.379+/-0.000 χ^2/NDF:1635704708.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

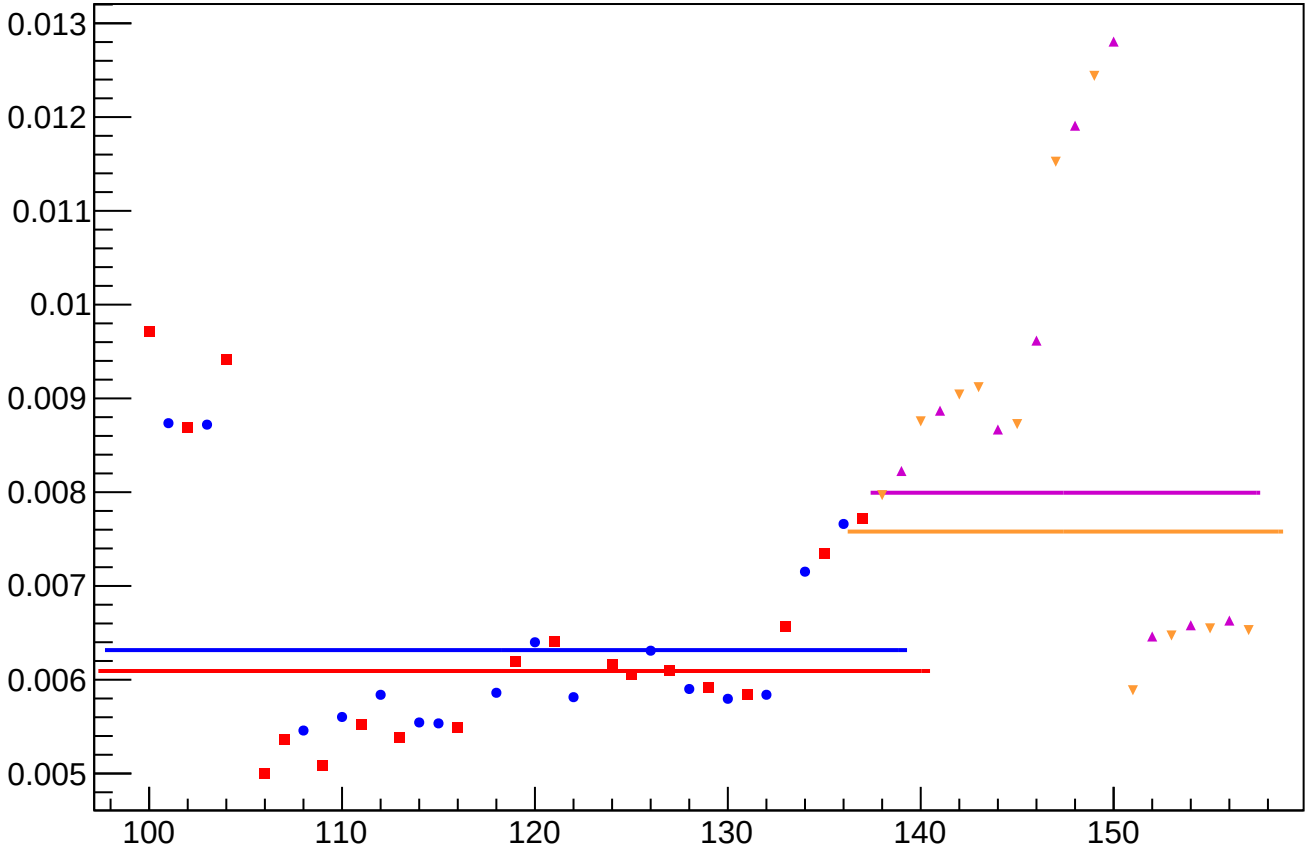
Left In: 0.348+/-0.000 χ^2/NDF:1340360124.7/8

+ sign 0.678+/-0.000 χ^2/NDF: 39217576848.8/26

All: 0.684+/-0.000 χ^2/NDF: 79789774464.6/5

- sign 0.690+/-0.000 χ^2/NDF: 40547775713.2/27

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:846649.7/10

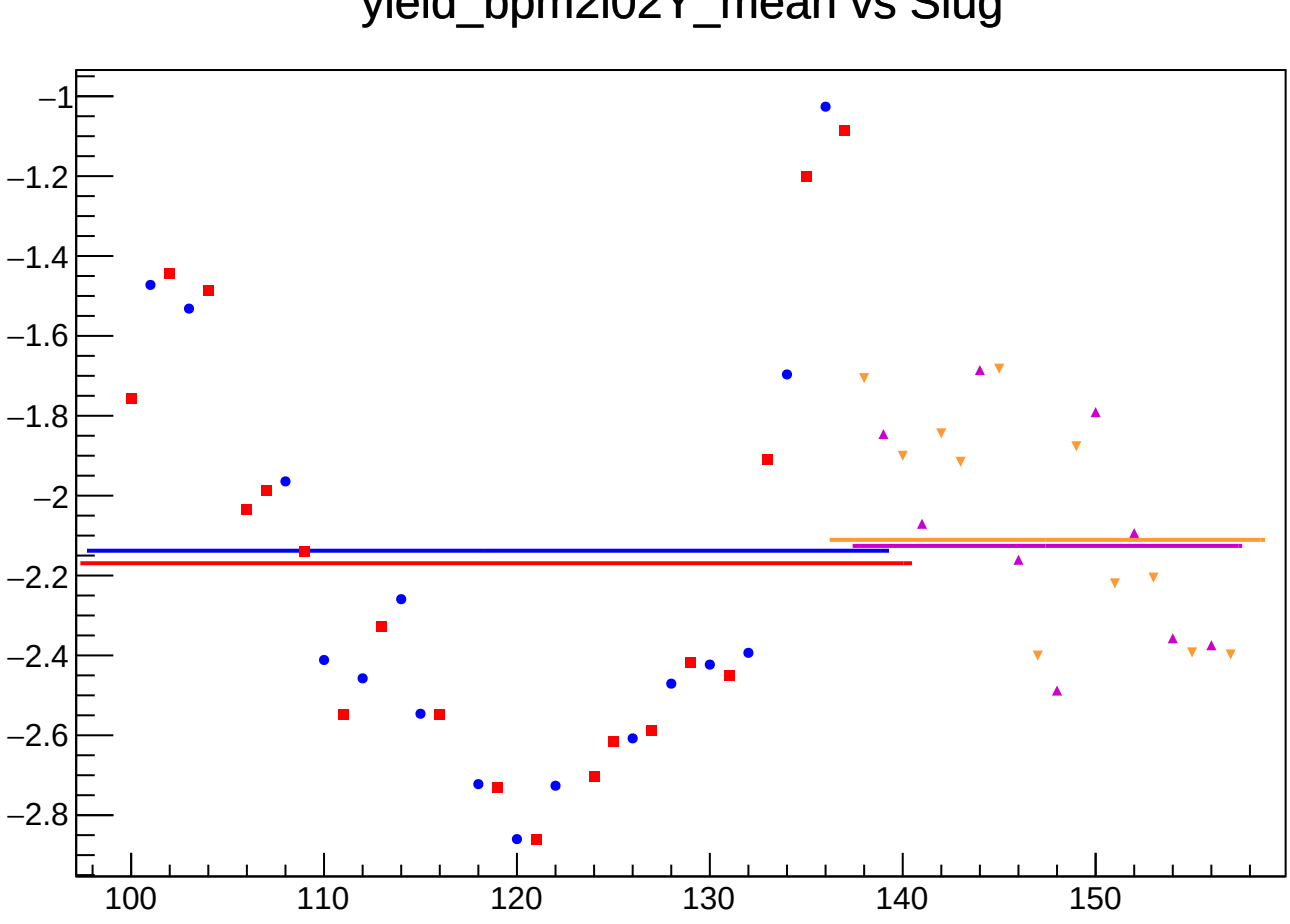
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

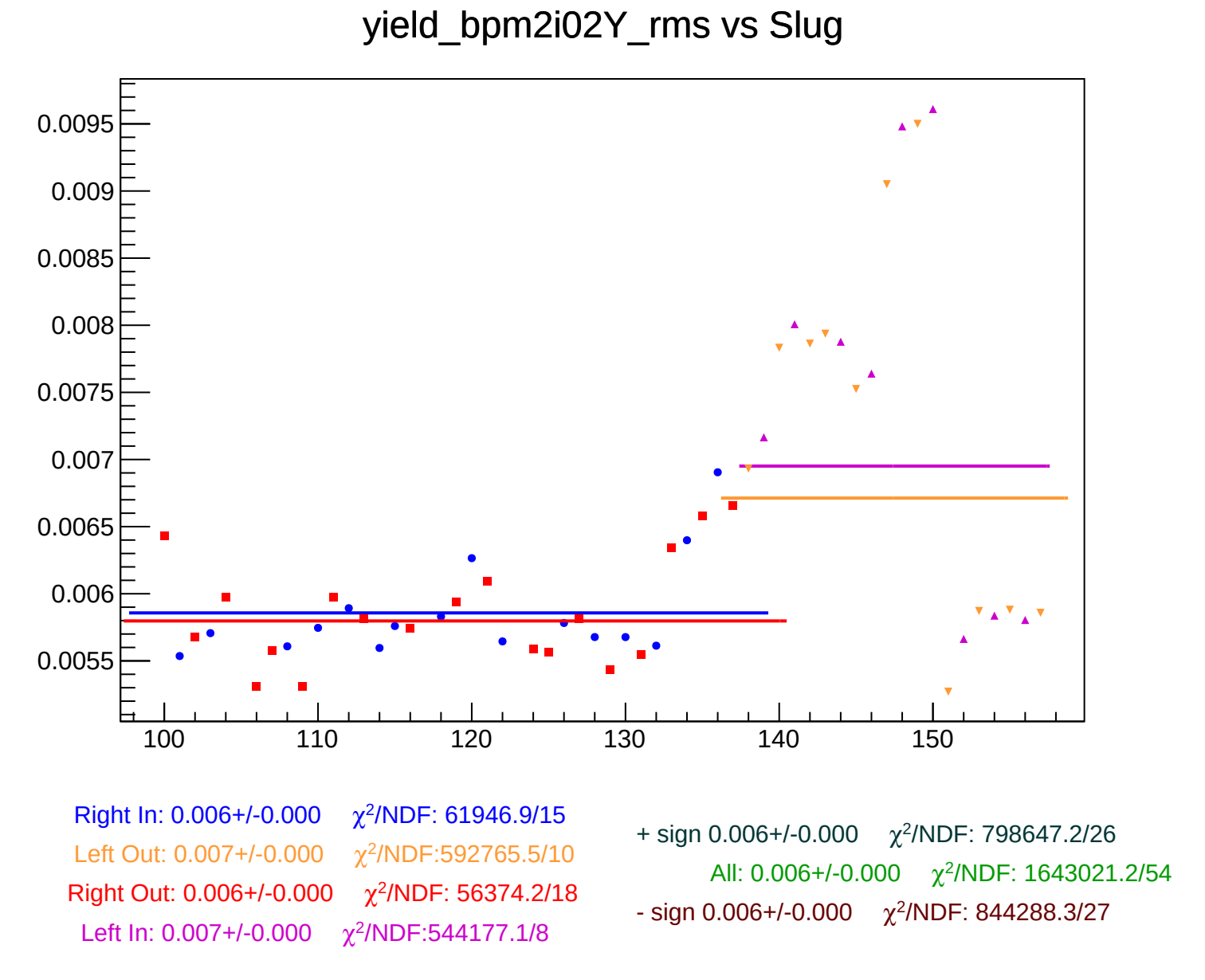
Left In: 0.008+/-0.000 χ^2/NDF:757830.9/8

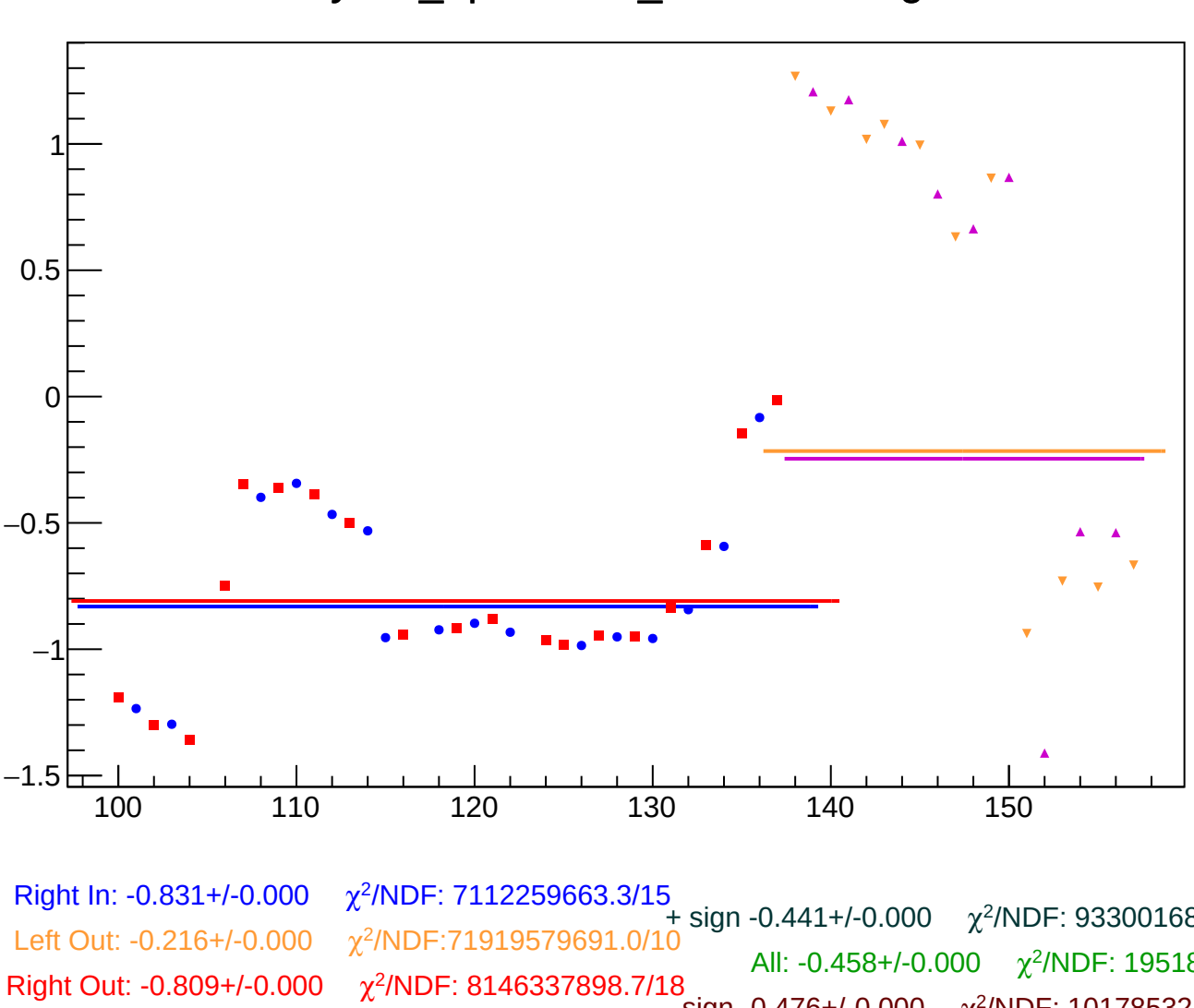
+ sign 0.007+/-0.000 χ^2/NDF: 1433805.2/26

All: 0.007+/-0.000 χ^2/NDF: 3155060.6/54

- sign 0.007+/-0.000 χ^2/NDF: 1719168.2/27


yield_bpm2i02Y_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.111+/-0.000 χ²/NDF:12695154615.0/10
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.126+/-0.000 χ²/NDF:9365756982.6/8
+ sign -2.125+/-0.000 χ²/NDF: 78434540794.4/26
All: -2.138+/-0.000 χ²/NDF: 145515043122.5
- sign -2.151+/-0.000 χ²/NDF: 66947782374.4/27


yield_bpm2i02Y_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:592765.5/10
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:544177.1/8
+ sign 0.006+/-0.000 χ²/NDF: 798647.2/26
All: 0.006+/-0.000 χ²/NDF: 1643021.2/54
- sign 0.006+/-0.000 χ²/NDF: 844288.3/27



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.216+/-0.000 χ^2/NDF:71919579691.0/10

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

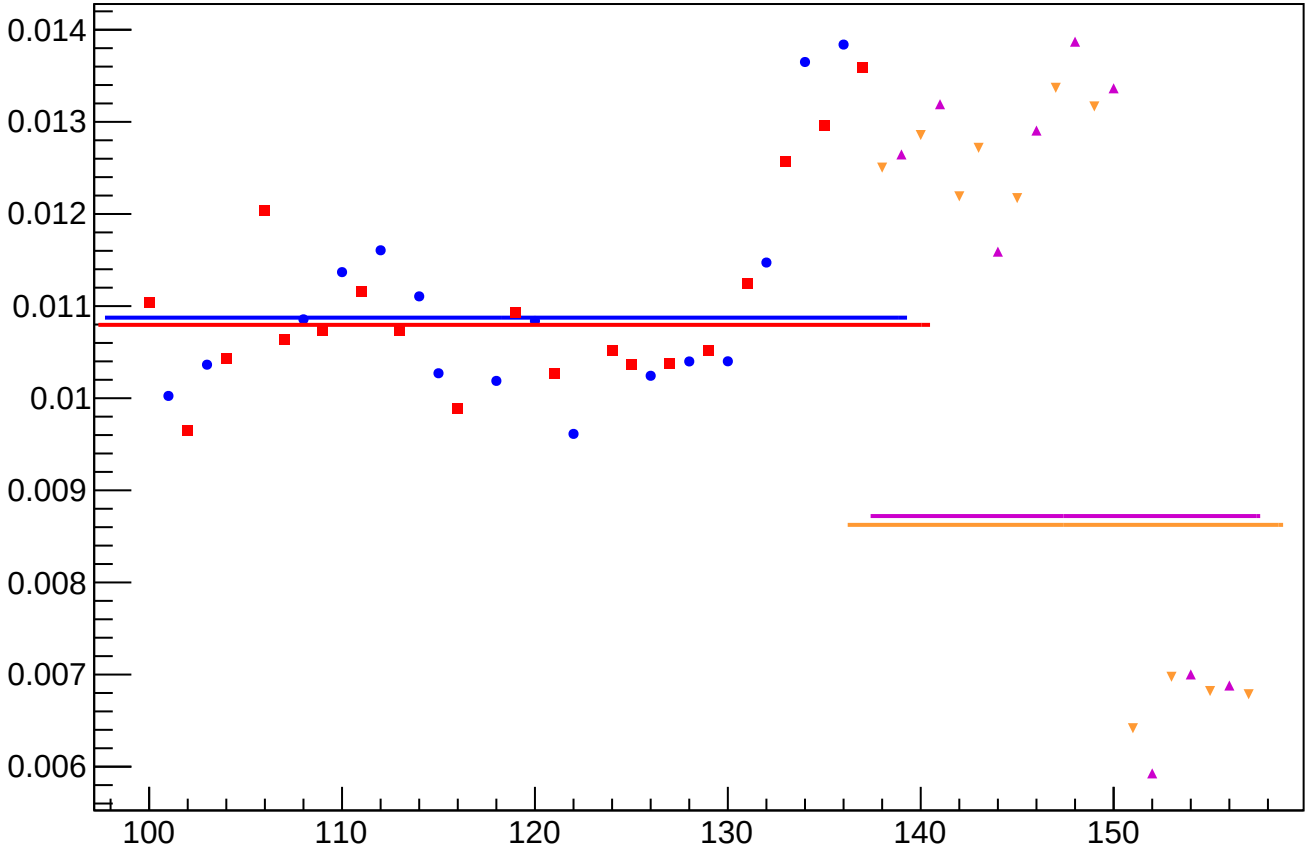
Left In: -0.246+/-0.000 χ^2/NDF:82021397015.7/8

+ sign -0.441+/-0.000 χ^2/NDF: 93300168399.4/26

All: -0.458+/-0.000 χ^2/NDF: 195181125168.

- sign -0.476+/-0.000 χ^2/NDF: 101785324935.6/27

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:1602153.6/10

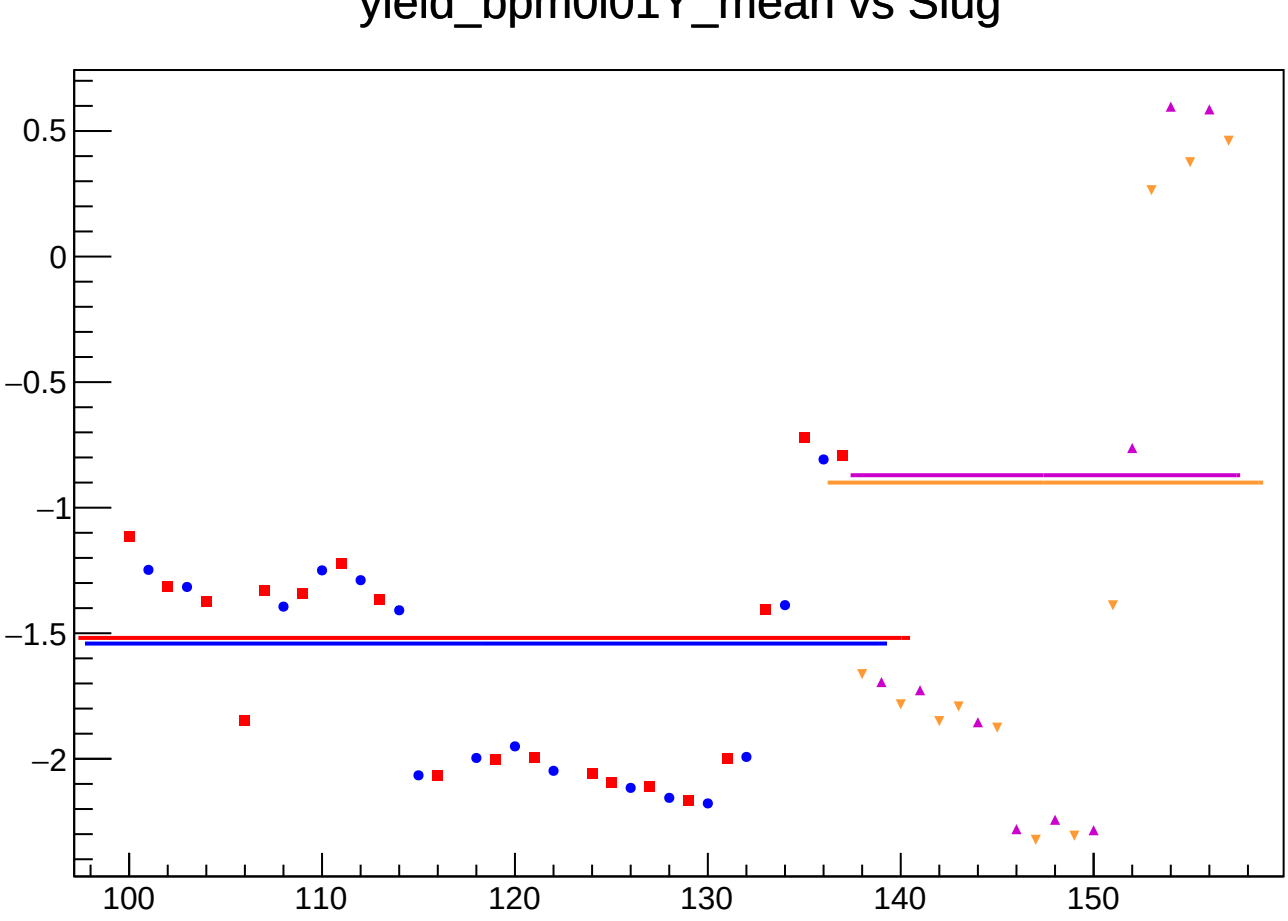
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1676613.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 2141017.1/26

All: 0.010+/-0.000 χ^2/NDF: 4234648.6/54

- sign 0.010+/-0.000 χ^2/NDF: 2091389.5/27



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.900+/-0.000 χ^2/NDF:1041002640521.7/10

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

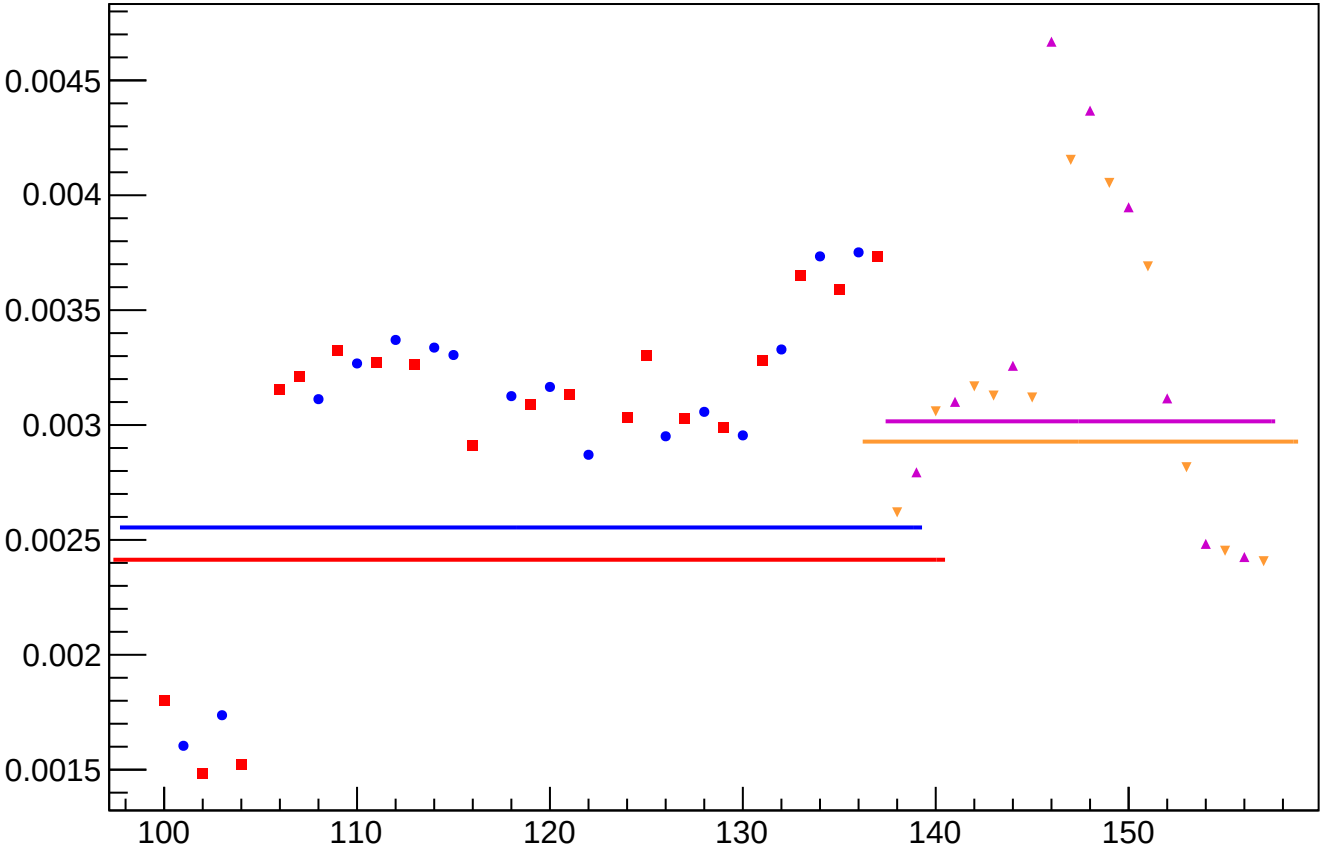
Left In: -0.871+/-0.000 χ^2/NDF:967077543389.0/8

+ sign -1.233+/-0.000 χ^2/NDF: 1386870691574.9/2

All: -1.242+/-0.000 χ^2/NDF: 2675405626510

- sign -1.251+/-0.000 χ^2/NDF: 1288233500089.5/27

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:436152.2/10

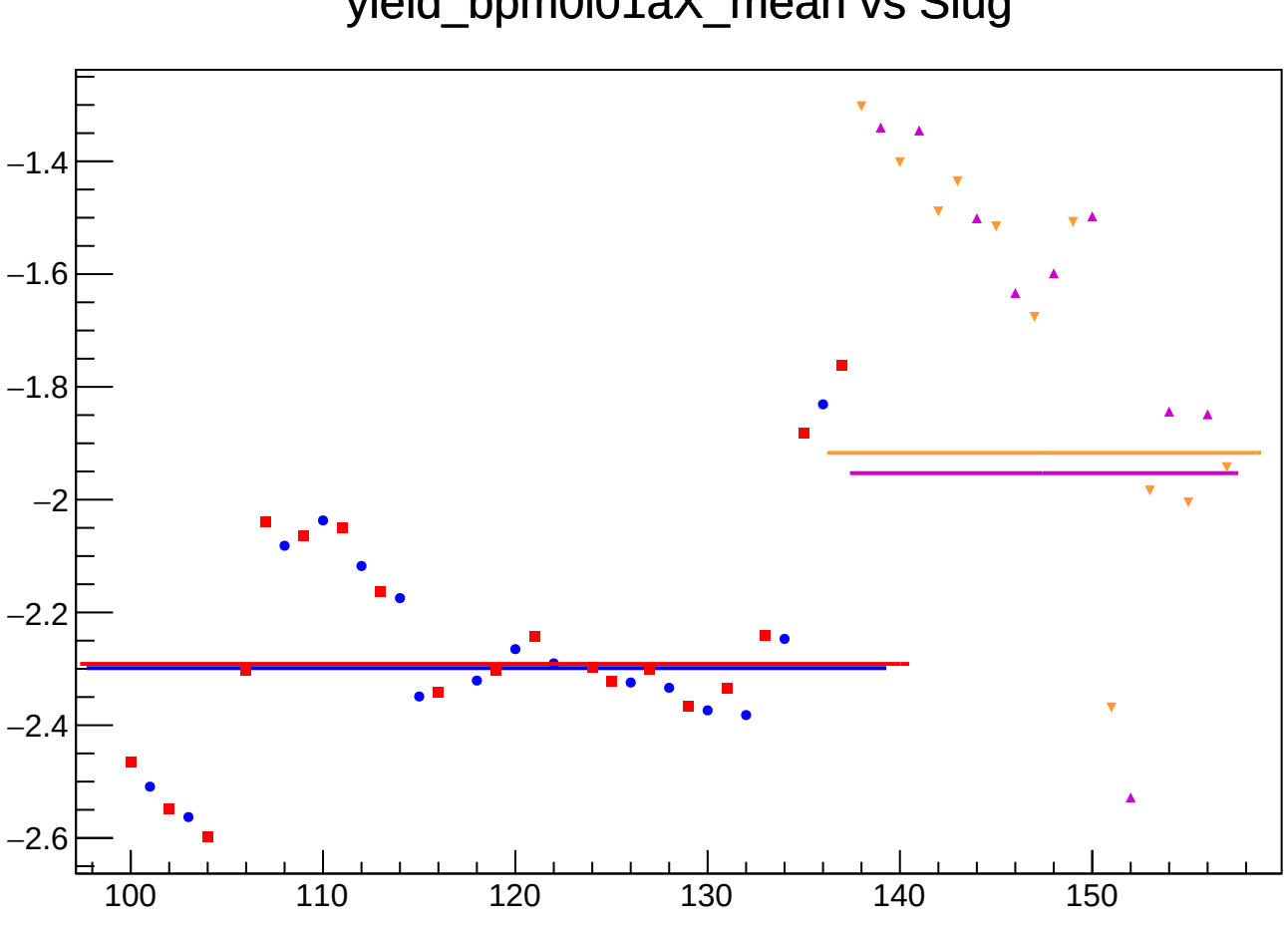
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:531044.6/8

+ sign 0.003+/-0.000 χ^2/NDF: 1733278.7/26

All: 0.003+/-0.000 χ^2/NDF: 4124572.6/54

- sign 0.003+/-0.000 χ^2/NDF: 2382242.6/27



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.917+/-0.000 χ^2/NDF:24461673779.9/10

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

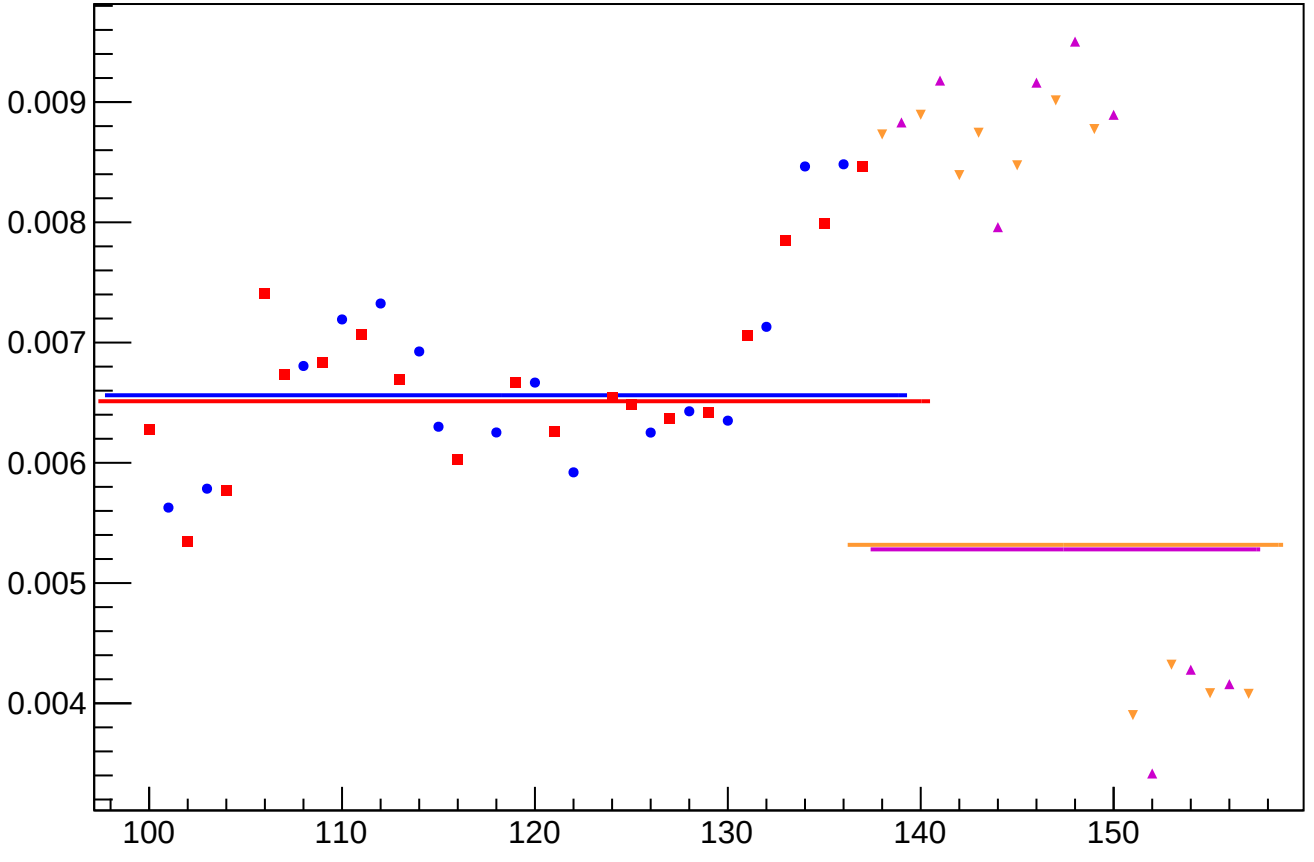
Left In: -1.953+/-0.000 χ^2/NDF:39082974375.0/8

+ sign -2.065+/-0.000 χ^2/NDF: 44962108788.8/26

All: -2.080+/-0.000 χ^2/NDF: 102100361198.

- sign -2.097+/-0.000 χ^2/NDF: 56927658213.1/27

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2149008.9/10

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

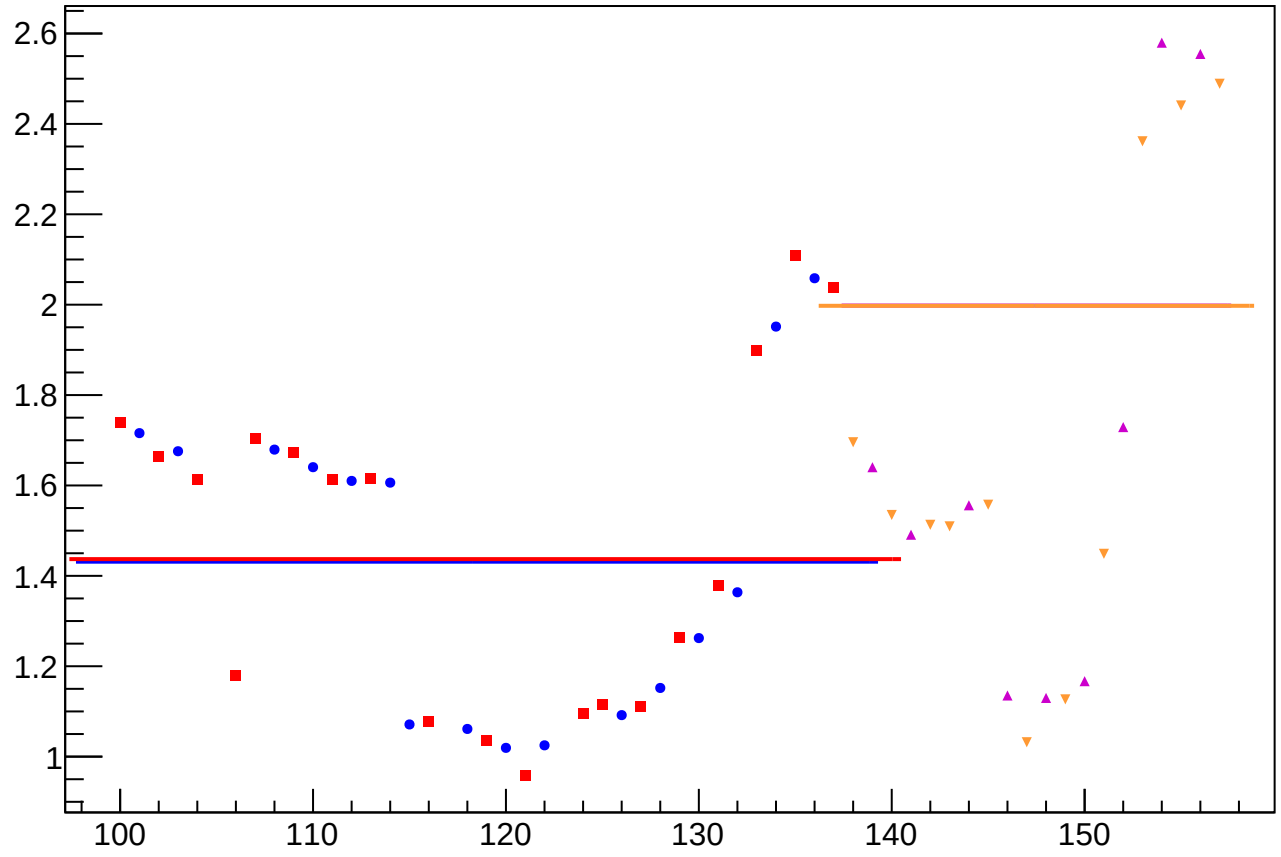
Left In: 0.005+/-0.000 χ^2/NDF:2352584.7/8

+ sign 0.006+/-0.000 χ^2/NDF: 2675961.9/26

All: 0.006+/-0.000 χ^2/NDF: 5505574.9/54

- sign 0.006+/-0.000 χ^2/NDF: 2829602.2/27

yield_bpm0i01aY_mean vs Slug



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.998+/-0.000 χ^2/NDF:115159842926.0/10

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

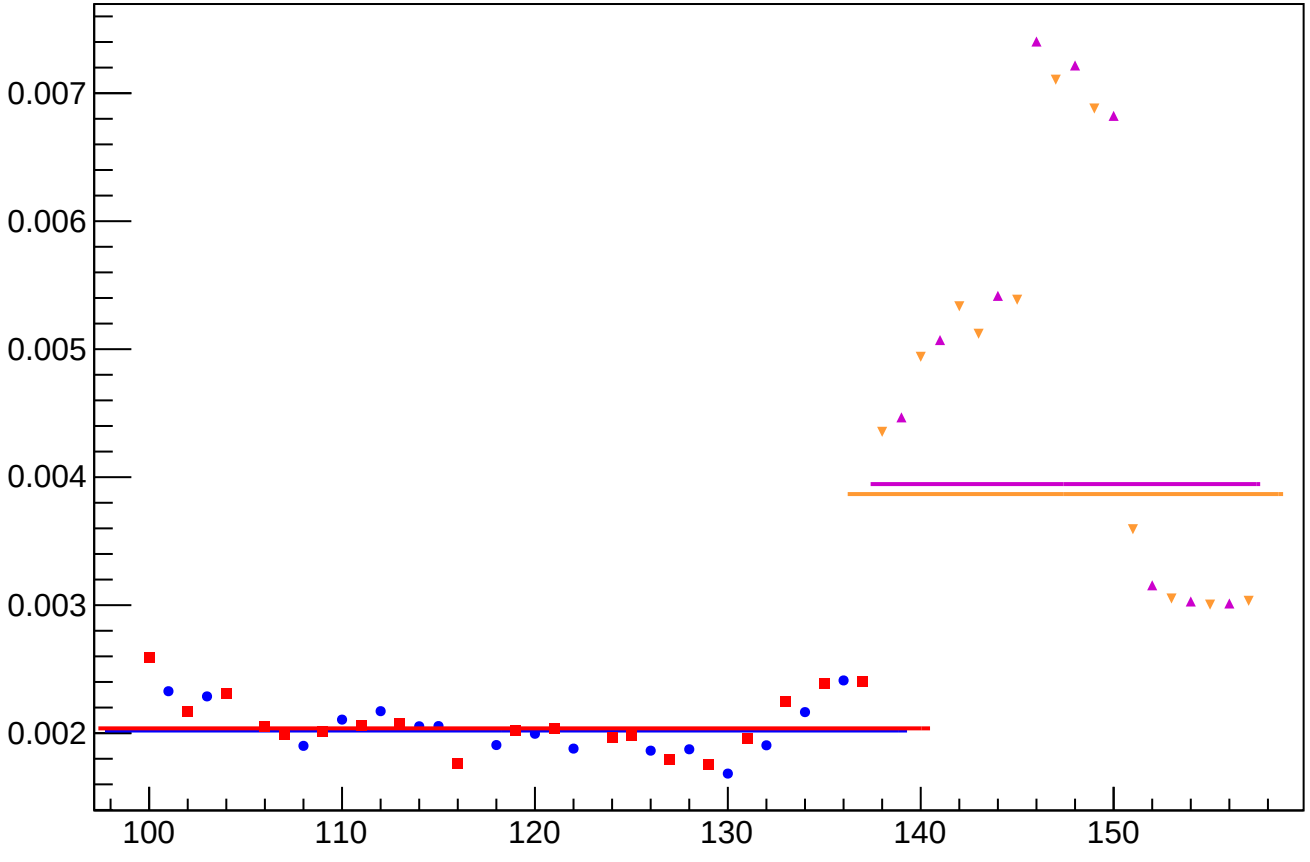
Left In: 1.998+/-0.000 χ^2/NDF:113637616808.9/8

+ sign 1.562+/-0.000 χ^2/NDF: 424342364936.7/26

All: 1.556+/-0.000 χ^2/NDF: 822892196883.5

- sign 1.549+/-0.000 χ^2/NDF: 398389132530.5/27

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1270155.0/10

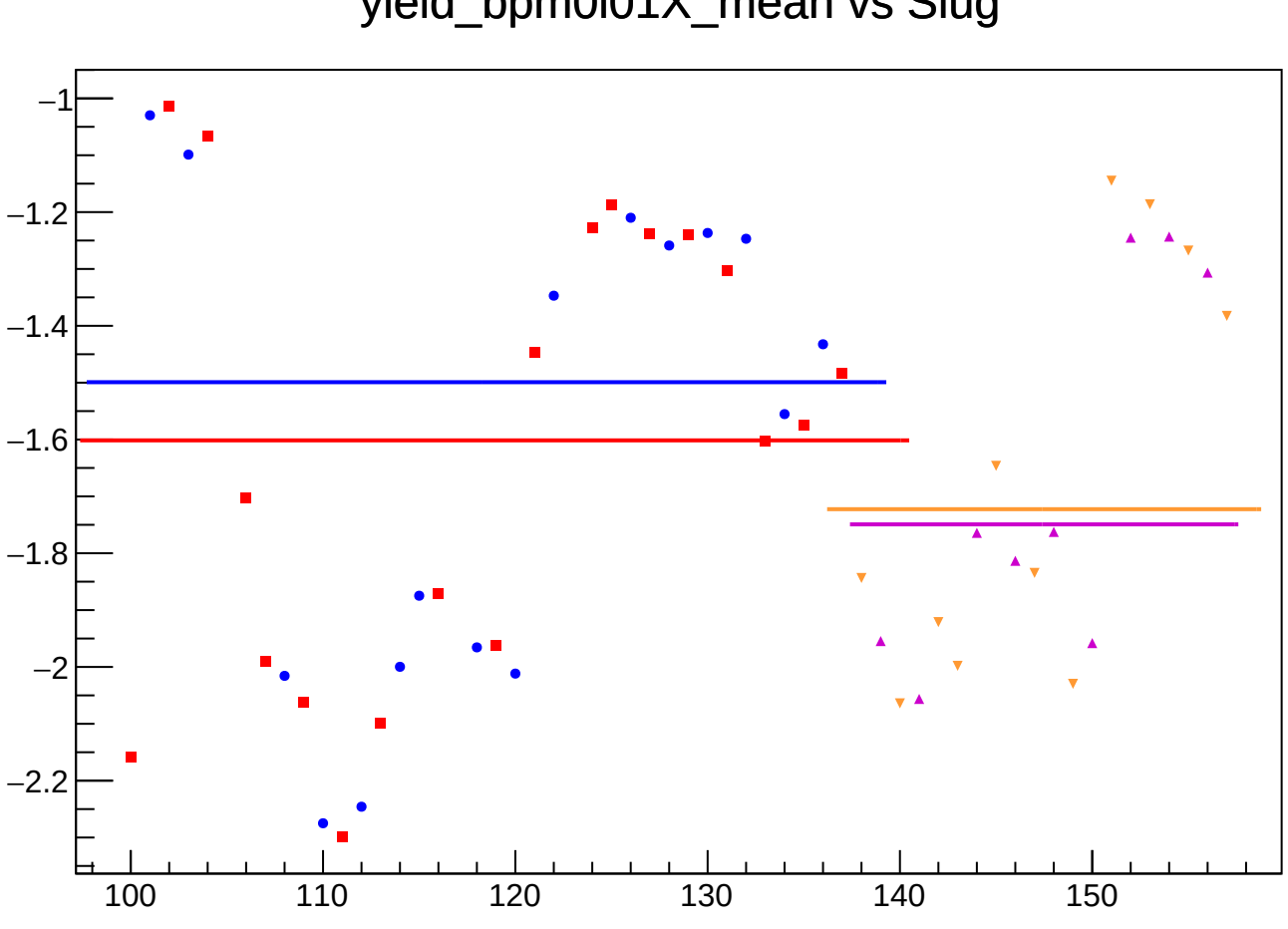
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1470458.4/8

+ sign 0.002+/-0.000 χ^2/NDF: 3980302.9/26

All: 0.002+/-0.000 χ^2/NDF: 7943702.8/54

- sign 0.002+/-0.000 χ^2/NDF: 3961925.1/27



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.723+/-0.000 χ^2/NDF:22116150644.8/10

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

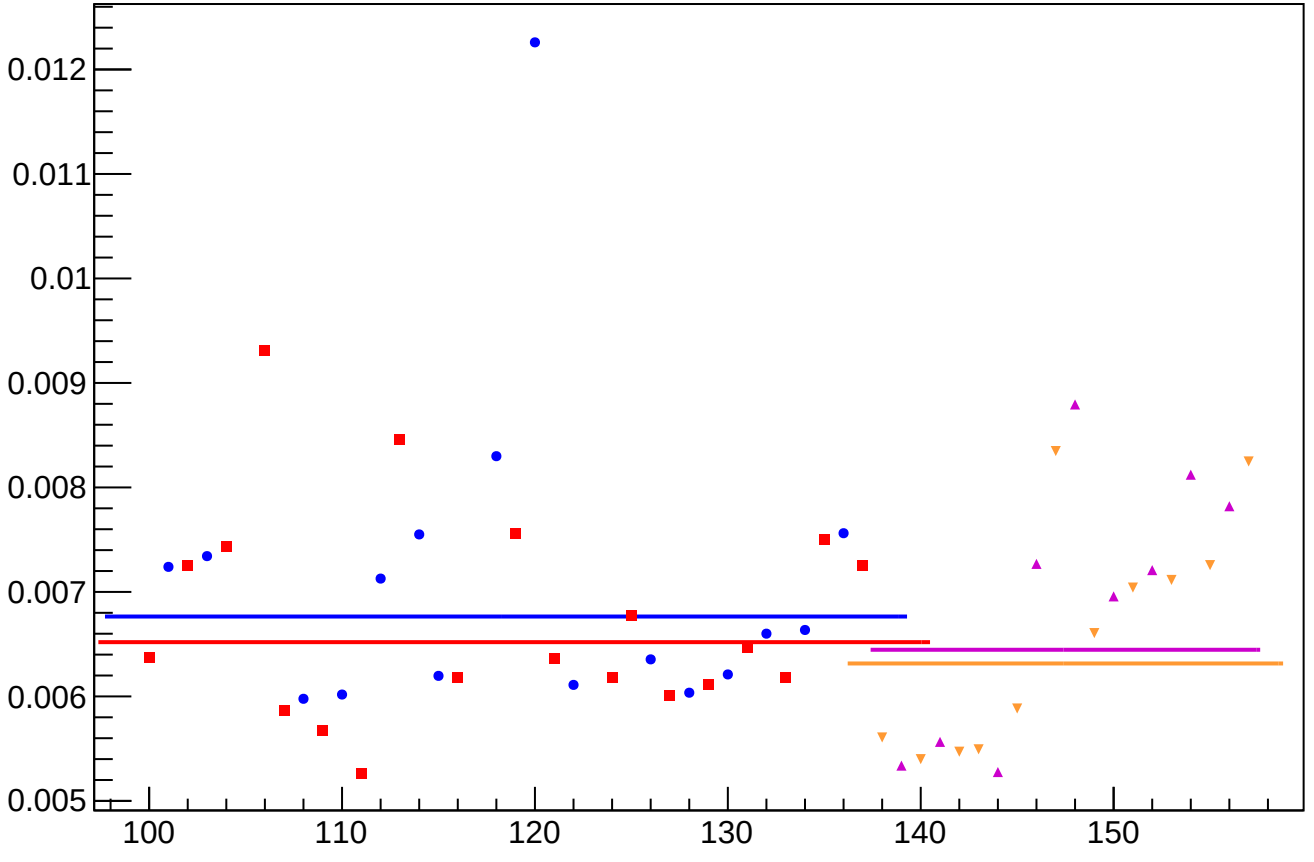
Left In: -1.749+/-0.000 χ^2/NDF:14204146023.7/8

+ sign -1.630+/-0.000 χ^2/NDF: 49185076363.0/26

All: -1.653+/-0.000 χ^2/NDF: 93897185938.2/

- sign -1.677+/-0.000 χ^2/NDF: 44338891136.0/27

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:370950.3/10

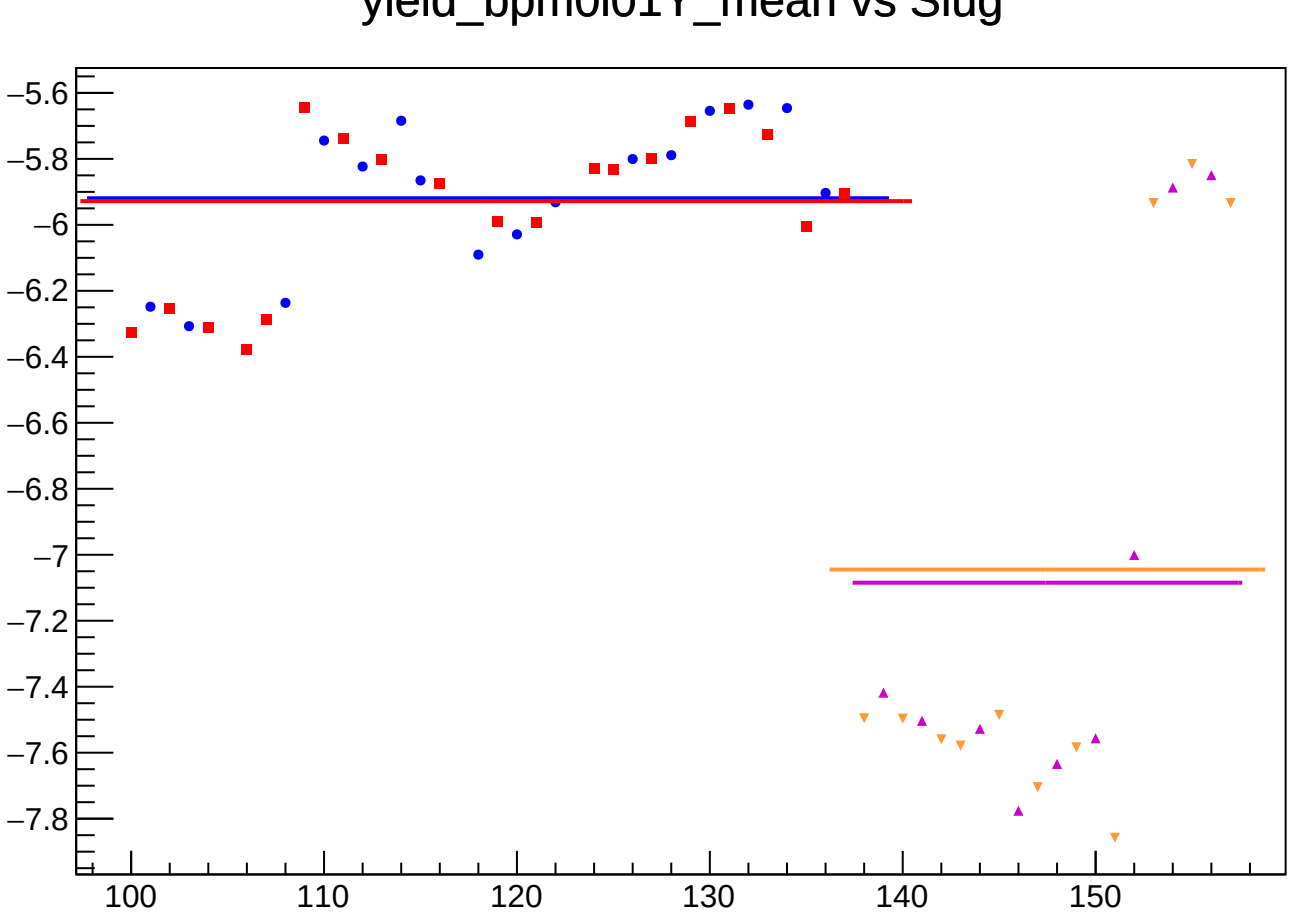
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:468086.8/8

+ sign 0.007+/-0.000 χ^2/NDF: 643017.4/26

All: 0.006+/-0.000 χ^2/NDF: 1357542.7/54

- sign 0.006+/-0.000 χ^2/NDF: 714397.0/27



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.045+/-0.000 χ^2/NDF:47929206682.2/10

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

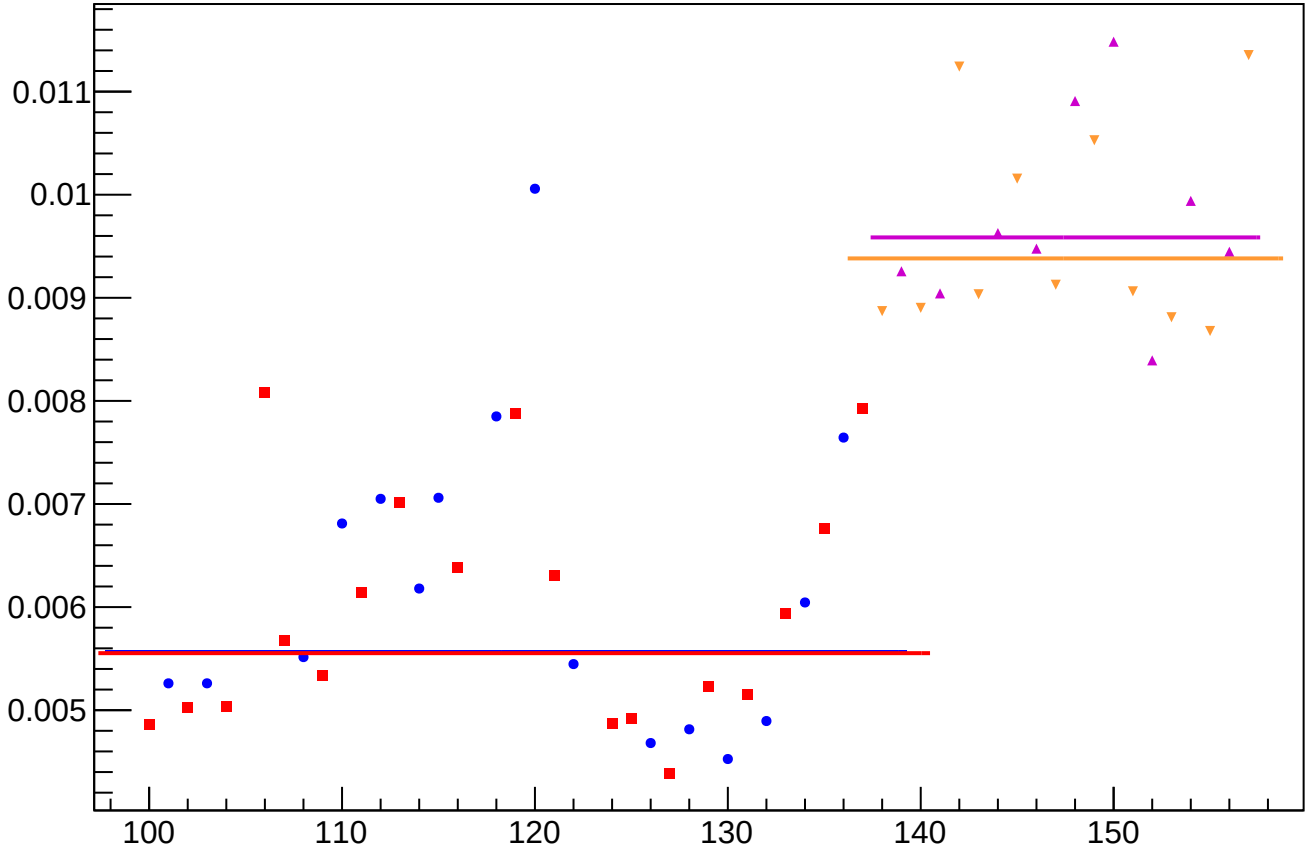
Left In: -7.085+/-0.000 χ^2/NDF:31611668168.4/8

+ sign -6.221+/-0.000 χ^2/NDF: 126839064630.4/26

All: -6.208+/-0.000 χ^2/NDF: 236485565076.9

- sign -6.196+/-0.000 χ^2/NDF: 109565410954.5/27

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:103995.2/10

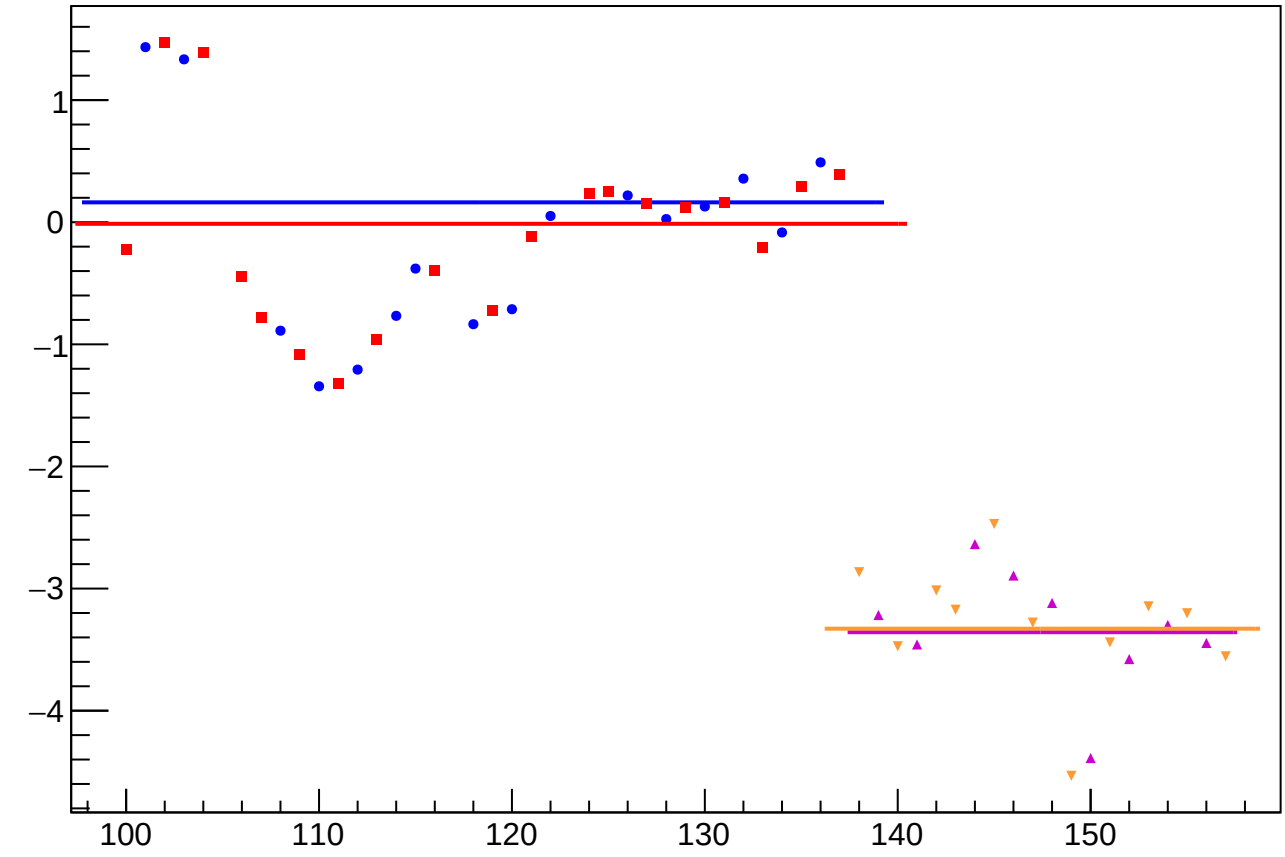
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91742.8/8

+ sign 0.007+/-0.000 χ^2/NDF: 2145338.1/26

All: 0.007+/-0.000 χ^2/NDF: 4192298.8/54

- sign 0.006+/-0.000 χ^2/NDF: 2044337.0/27



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.328+/-0.000 χ^2/NDF:6486681298.7/10

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

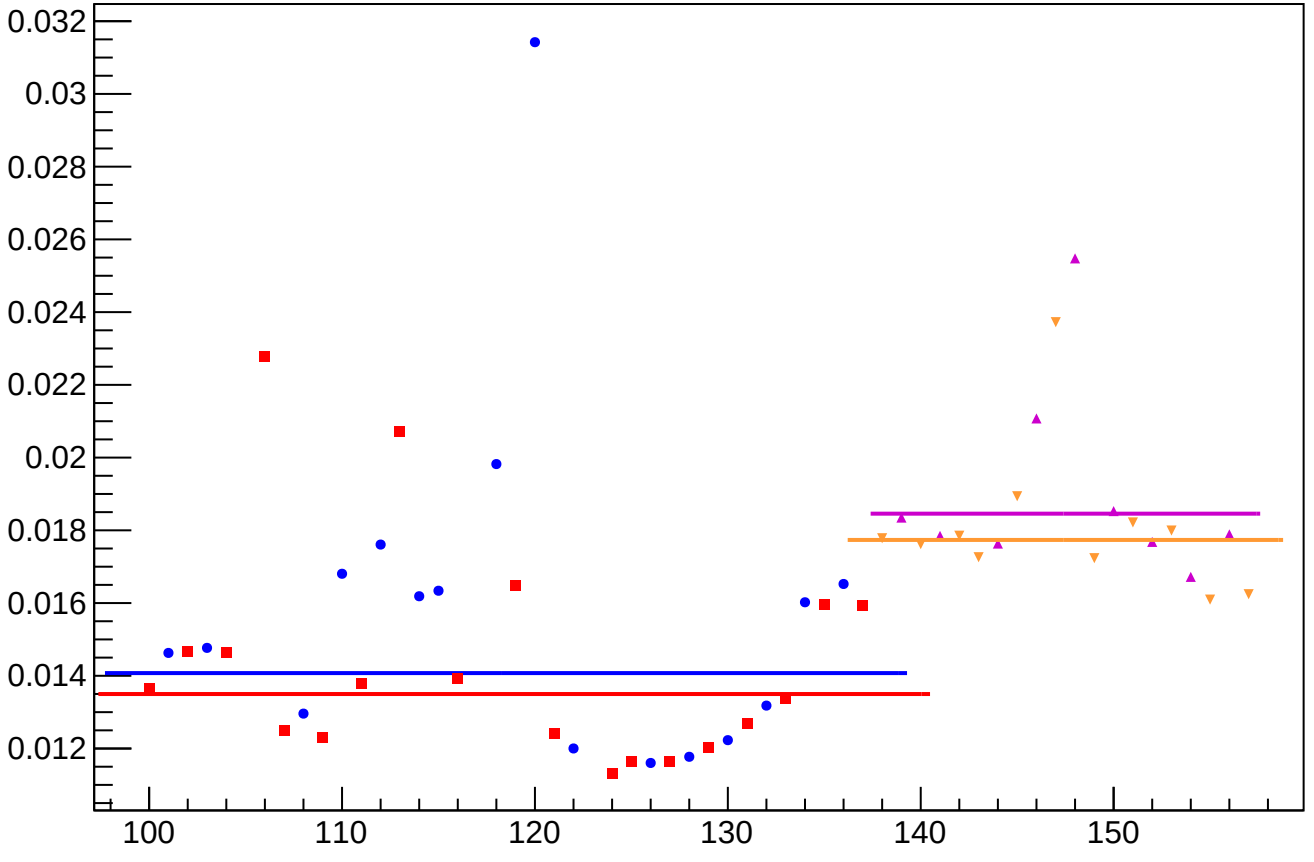
Left In: -3.357+/-0.000 χ^2/NDF:4704423492.5/8

+ sign -1.401+/-0.000 χ^2/NDF: 198175400090.6/26

All: -1.316+/-0.000 χ^2/NDF: 377864837450.3

- sign -1.233+/-0.000 χ^2/NDF: 178871526489.8/27

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:135819.8/10

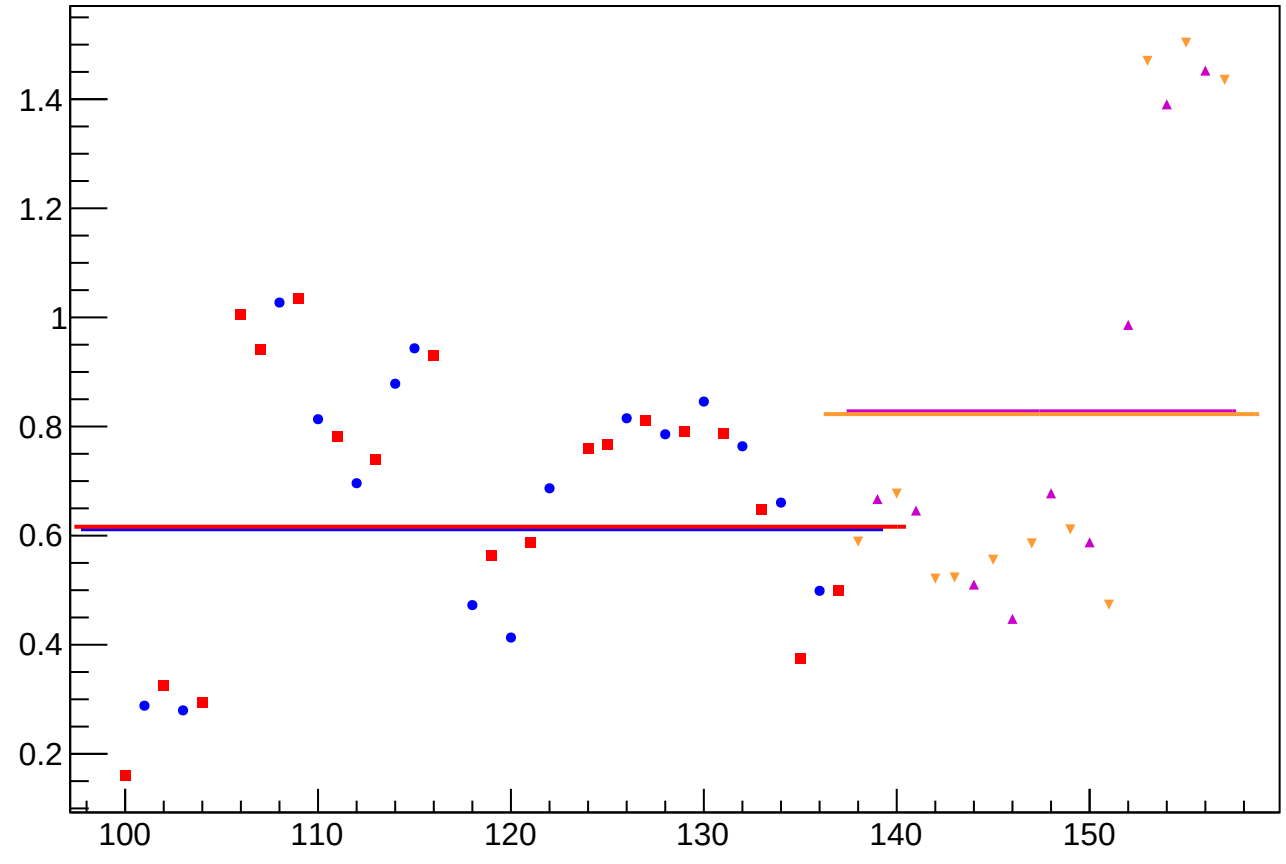
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:167692.5/8

+ sign 0.016+/-0.000 χ^2/NDF: 983473.7/26

All: 0.016+/-0.000 χ^2/NDF: 2142777.0/54

- sign 0.015+/-0.000 χ^2/NDF: 1149713.7/27



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.823+/-0.000 χ^2/NDF:16411858694.8/10

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

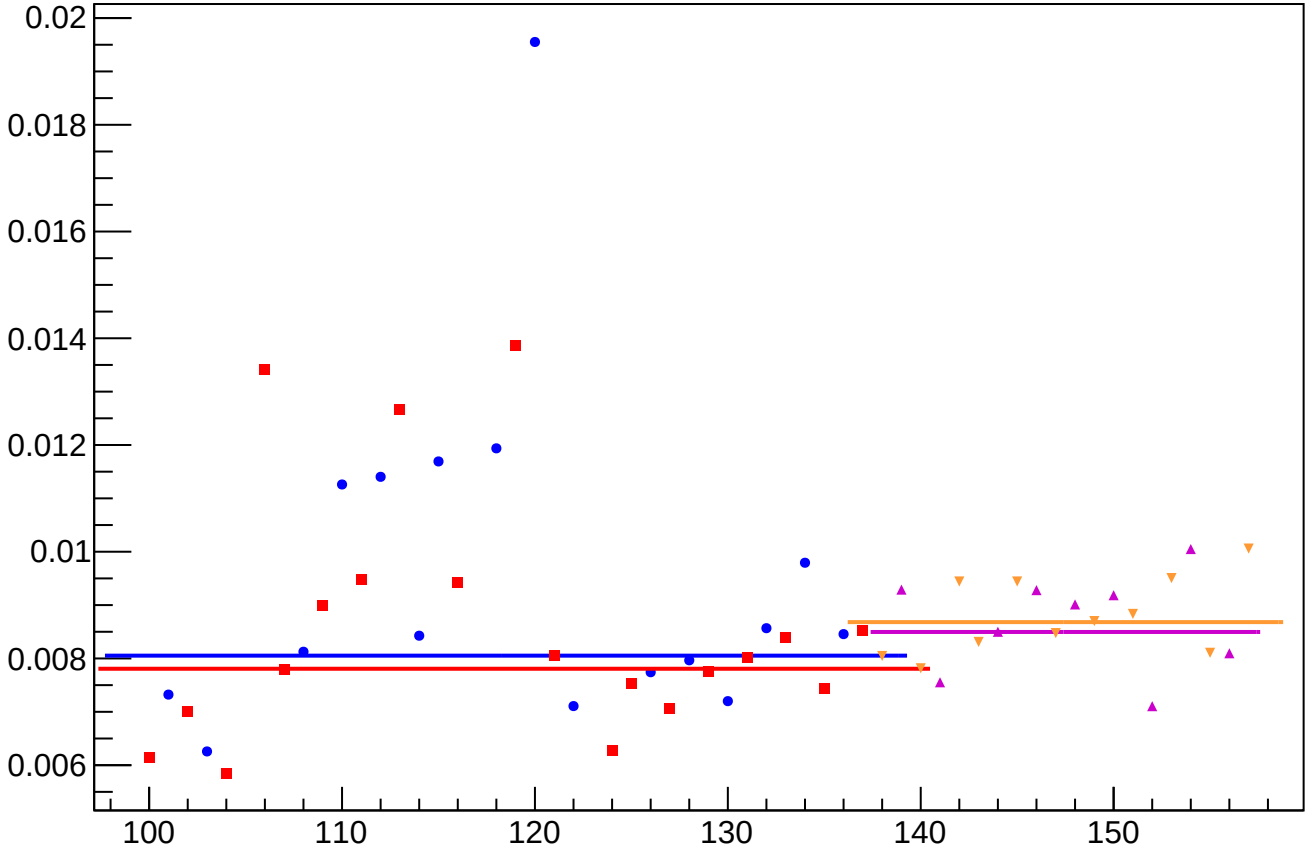
Left In: 0.828+/-0.000 χ^2/NDF:11217983599.3/8

+ sign 0.720+/-0.000 χ^2/NDF: 24211847296.7/26

All: 0.718+/-0.000 χ^2/NDF: 44081930676.5/5

- sign 0.717+/-0.000 χ^2/NDF: 19868831174.5/27

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:92040.9/10

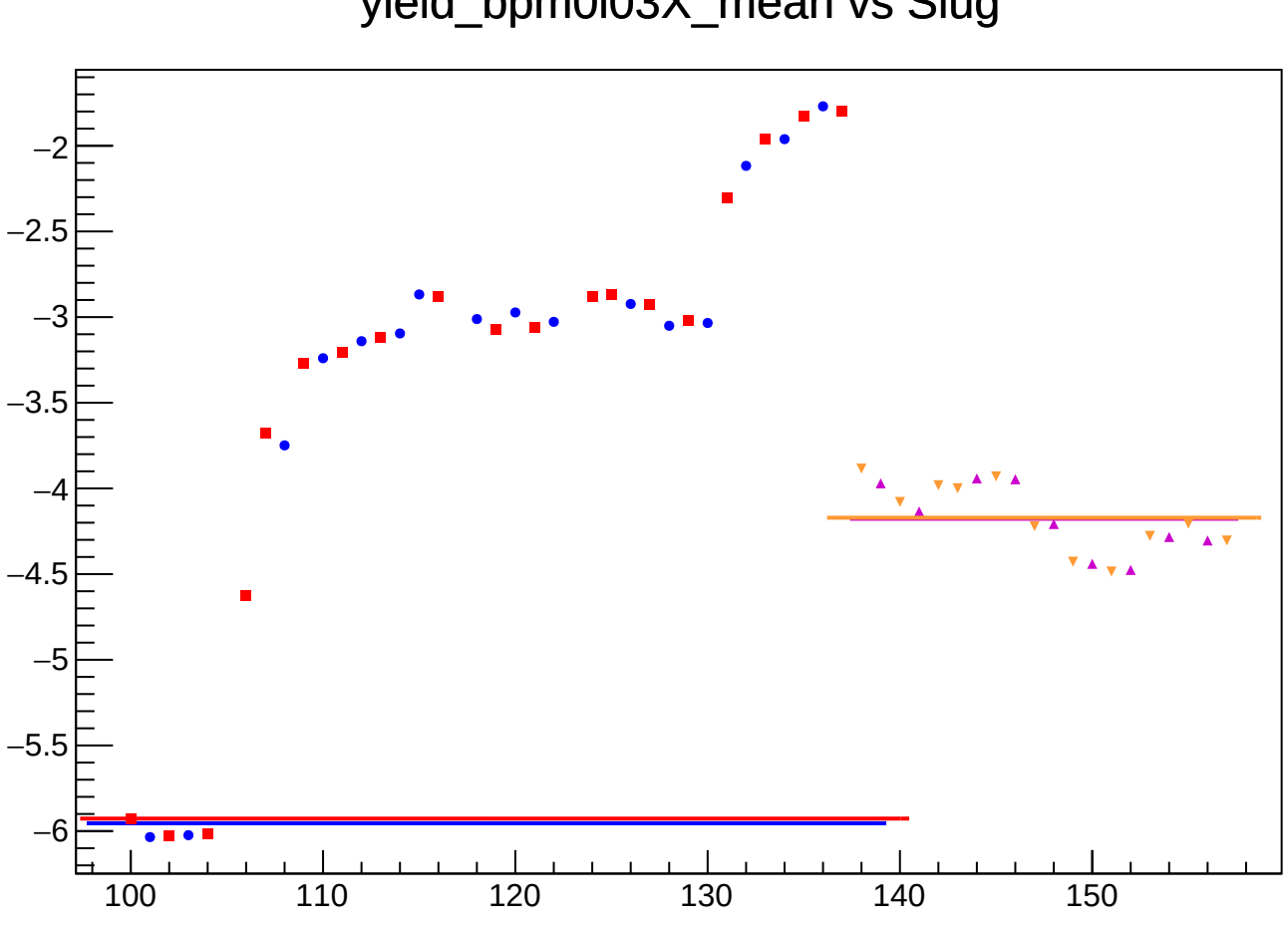
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:161523.1/8

+ sign 0.008+/-0.000 χ^2/NDF: 728712.2/26

All: 0.008+/-0.000 χ^2/NDF: 1536305.1/54

- sign 0.008+/-0.000 χ^2/NDF: 796070.7/27



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.171+/-0.000 χ^2/NDF:51173929.0/10

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

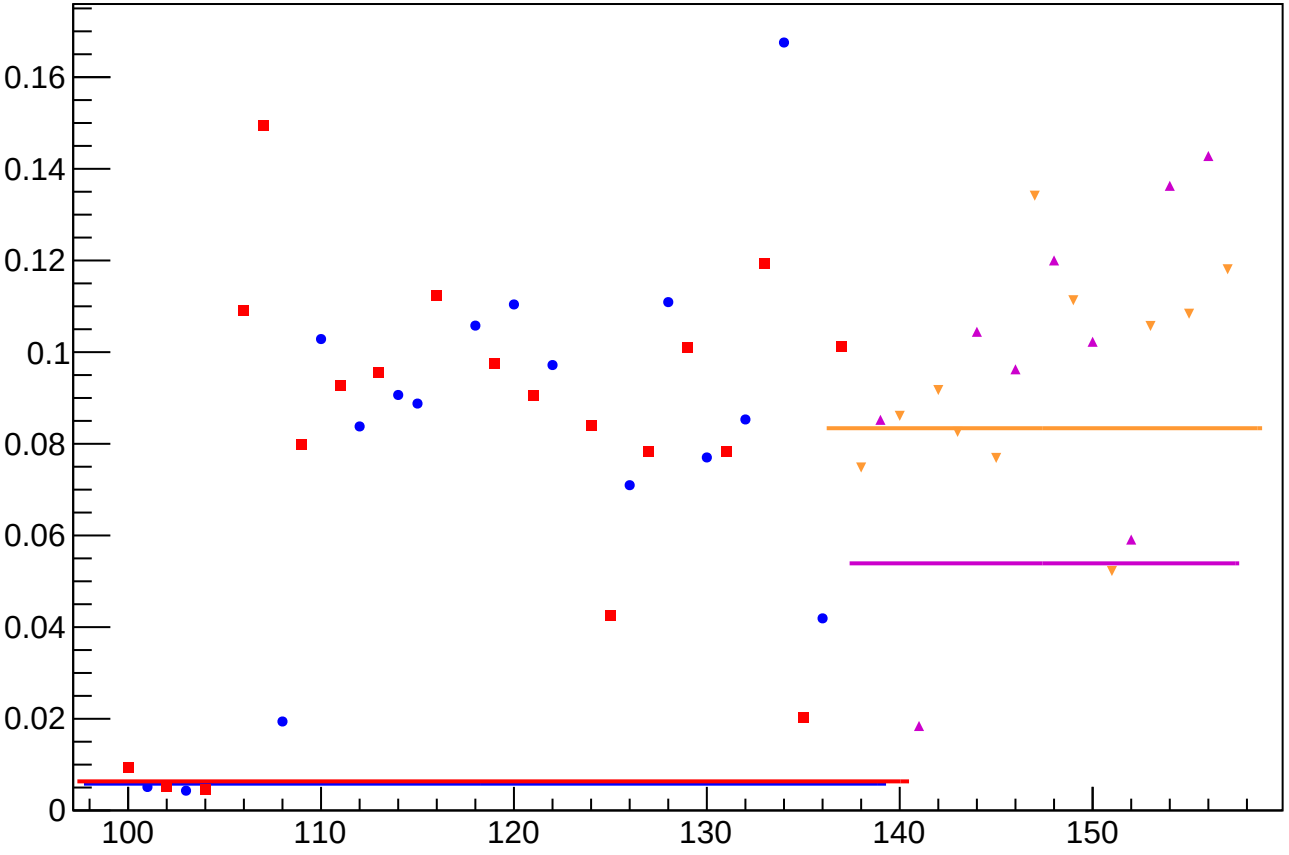
Left In: -4.177+/-0.000 χ^2/NDF:36420831.8/8

+ sign -5.920+/-0.000 χ^2/NDF: 16284337229.7/26

All: -5.899+/-0.000 χ^2/NDF: 34191173234.2/

- sign -5.874+/-0.000 χ^2/NDF: 17856989311.7/27

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.083+/-0.000 χ^2/NDF:1017557.5/10

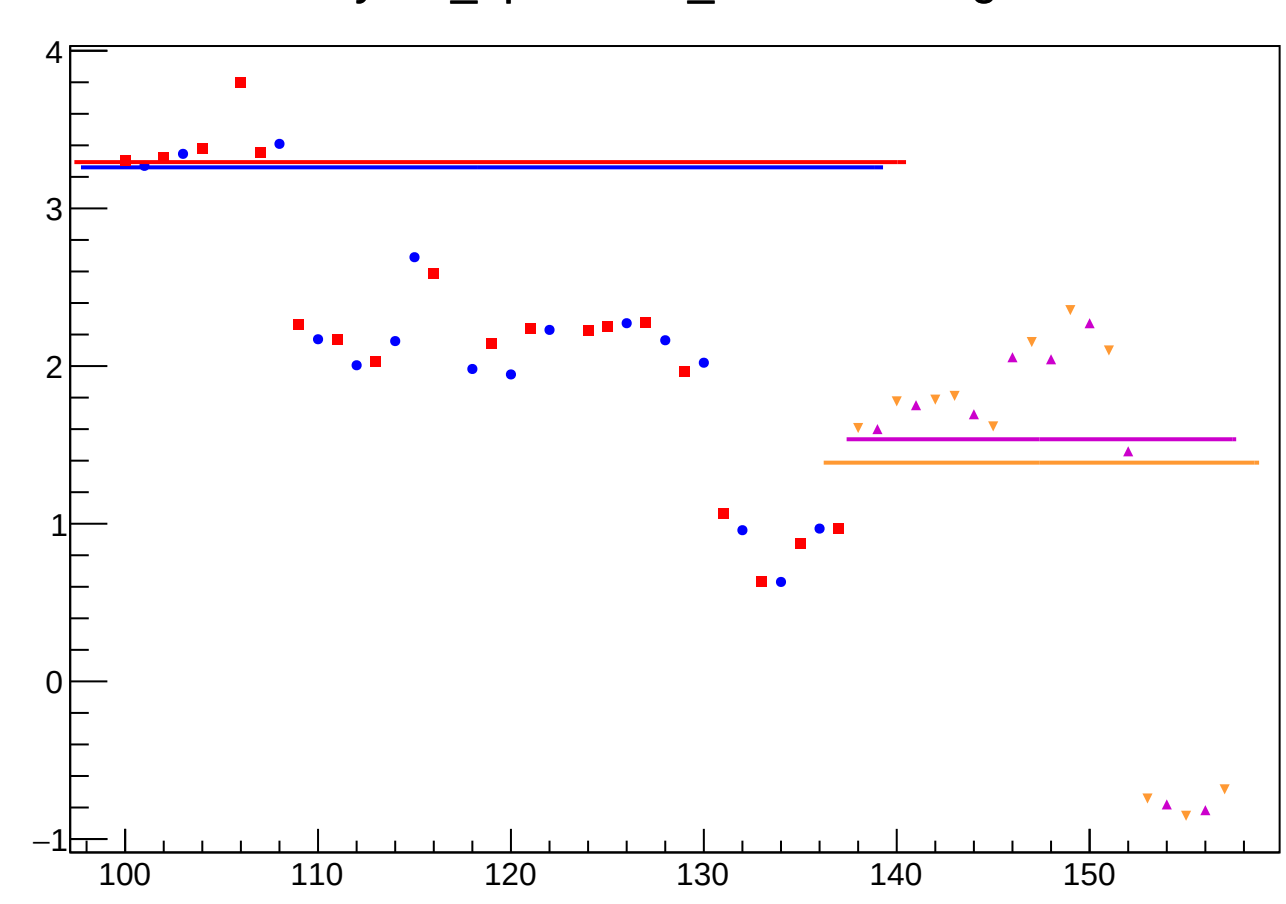
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.054+/-0.000 χ^2/NDF:4436391.8/8

+ sign 0.007+/-0.000 χ^2/NDF: 21572506.2/26

All: 0.008+/-0.000 χ^2/NDF: 40532339.7/54

- sign 0.008+/-0.000 χ^2/NDF: 18950188.4/27



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.387+/-0.000 χ^2/NDF:972542712.6/10

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

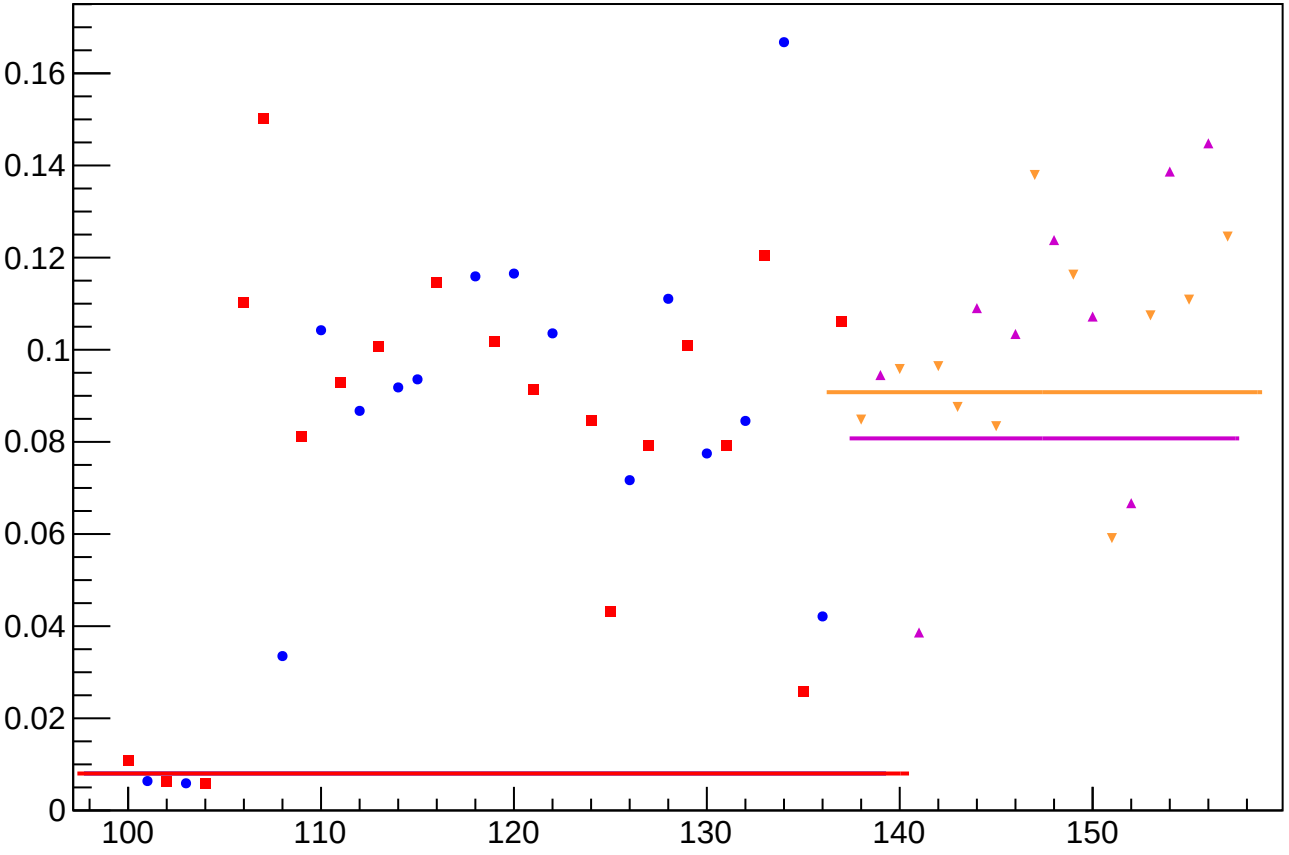
Left In: 1.536+/-0.000 χ^2/NDF:474488748.9/8

+ sign 3.209+/-0.000 χ^2/NDF: 6952438369.4/26

All: 3.227+/-0.000 χ^2/NDF: 13121535264.6/5

- sign 3.246+/-0.000 χ^2/NDF: 6147870284.4/27

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.091+/-0.000 χ^2/NDF:806006.3/10

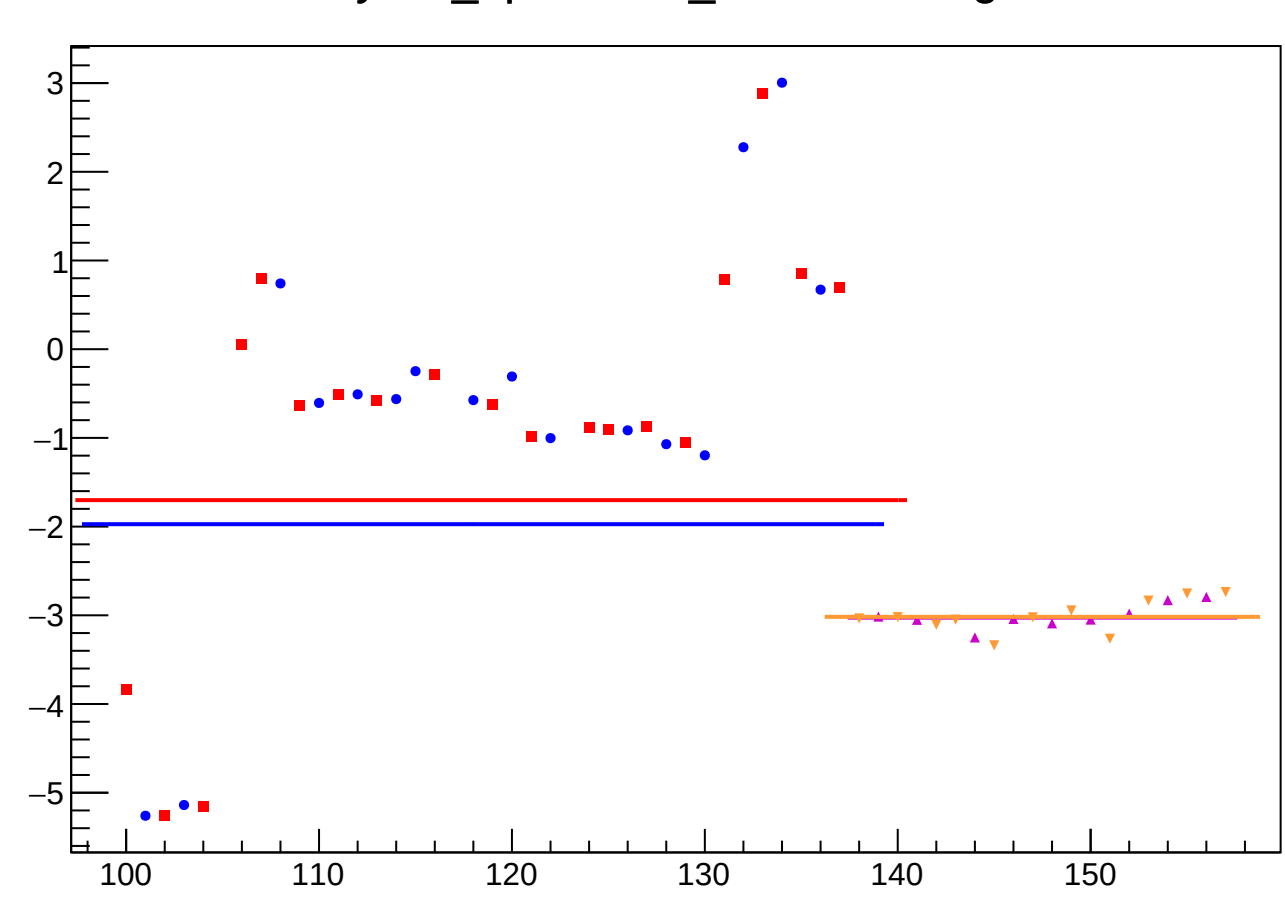
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.081+/-0.000 χ^2/NDF:1965096.8/8

+ sign 0.010+/-0.000 χ^2/NDF: 20820324.9/26

All: 0.010+/-0.000 χ^2/NDF: 39650781.7/54

- sign 0.010+/-0.000 χ^2/NDF: 18827534.9/27



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.017+/-0.000 χ^2/NDF:3951157653.0/10

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

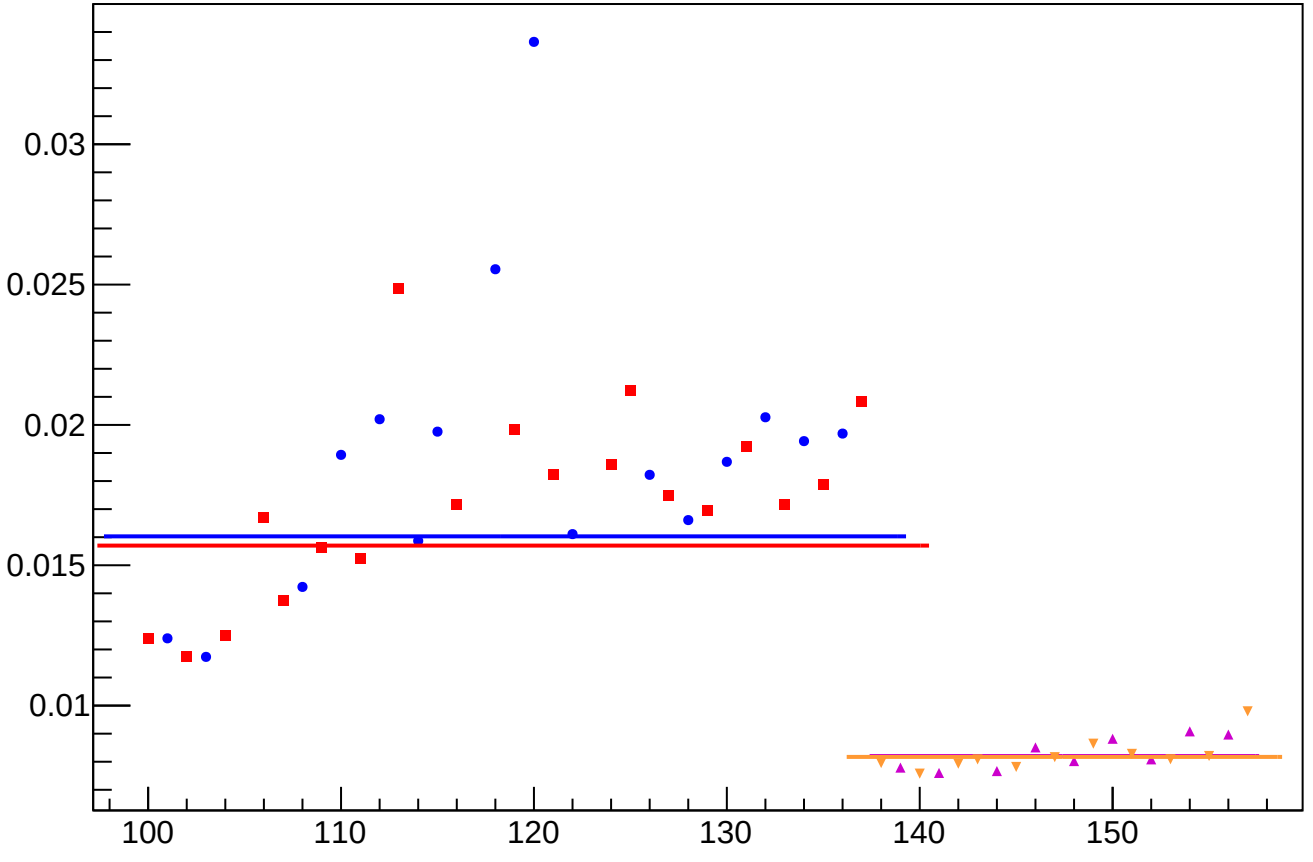
Left In: -3.026+/-0.000 χ^2/NDF:1721979867.2/8

+ sign -2.855+/-0.000 χ^2/NDF: 186801318088.9/26

All: -2.816+/-0.000 χ^2/NDF: 393840769783.0

- sign -2.774+/-0.000 χ^2/NDF: 206586404661.5/27

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:62189.3/10

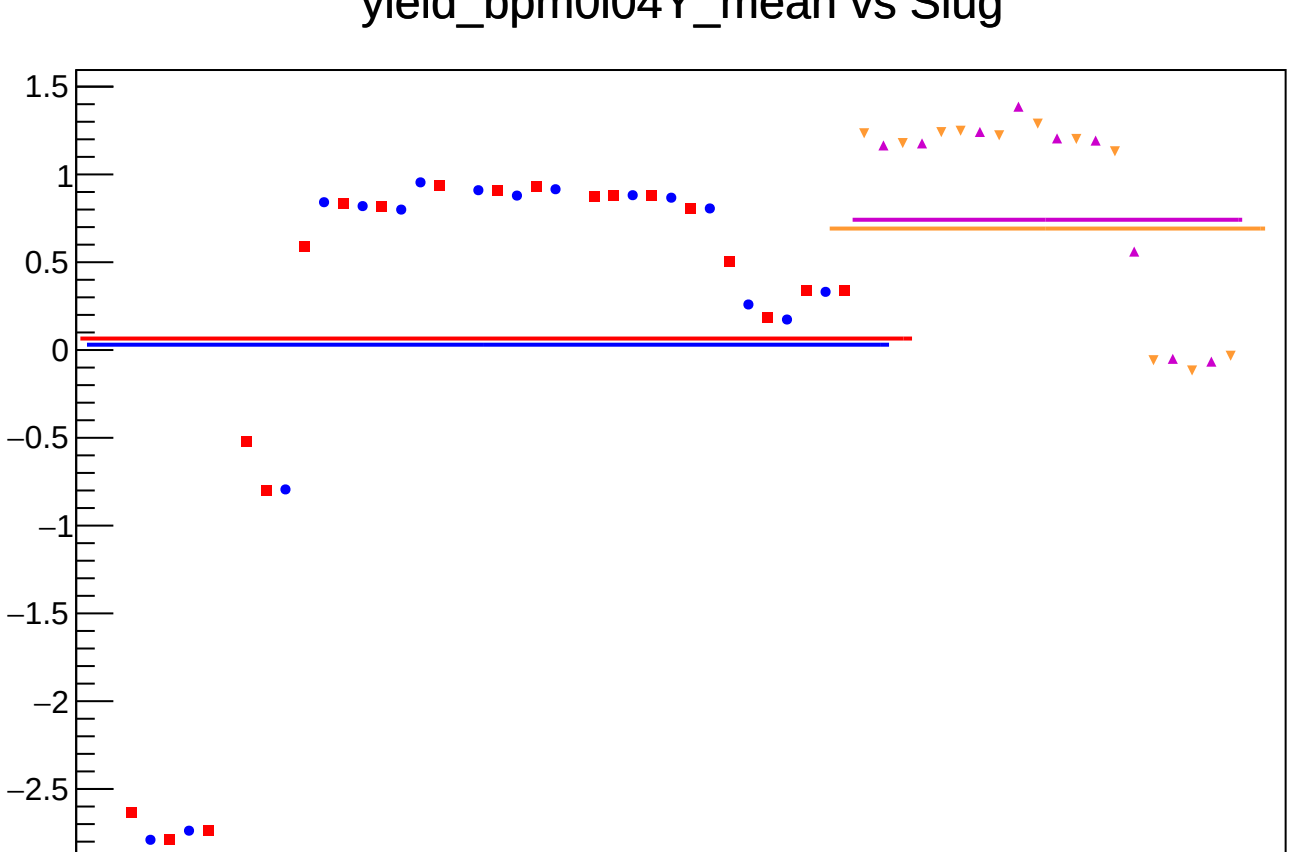
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:61953.8/8

+ sign 0.009+/-0.000 χ^2/NDF: 3160127.8/26

All: 0.010+/-0.000 χ^2/NDF: 6086166.6/54

- sign 0.010+/-0.000 χ^2/NDF: 2918358.8/27



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.692+/-0.000 χ^2/NDF:54506433857.7/10

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

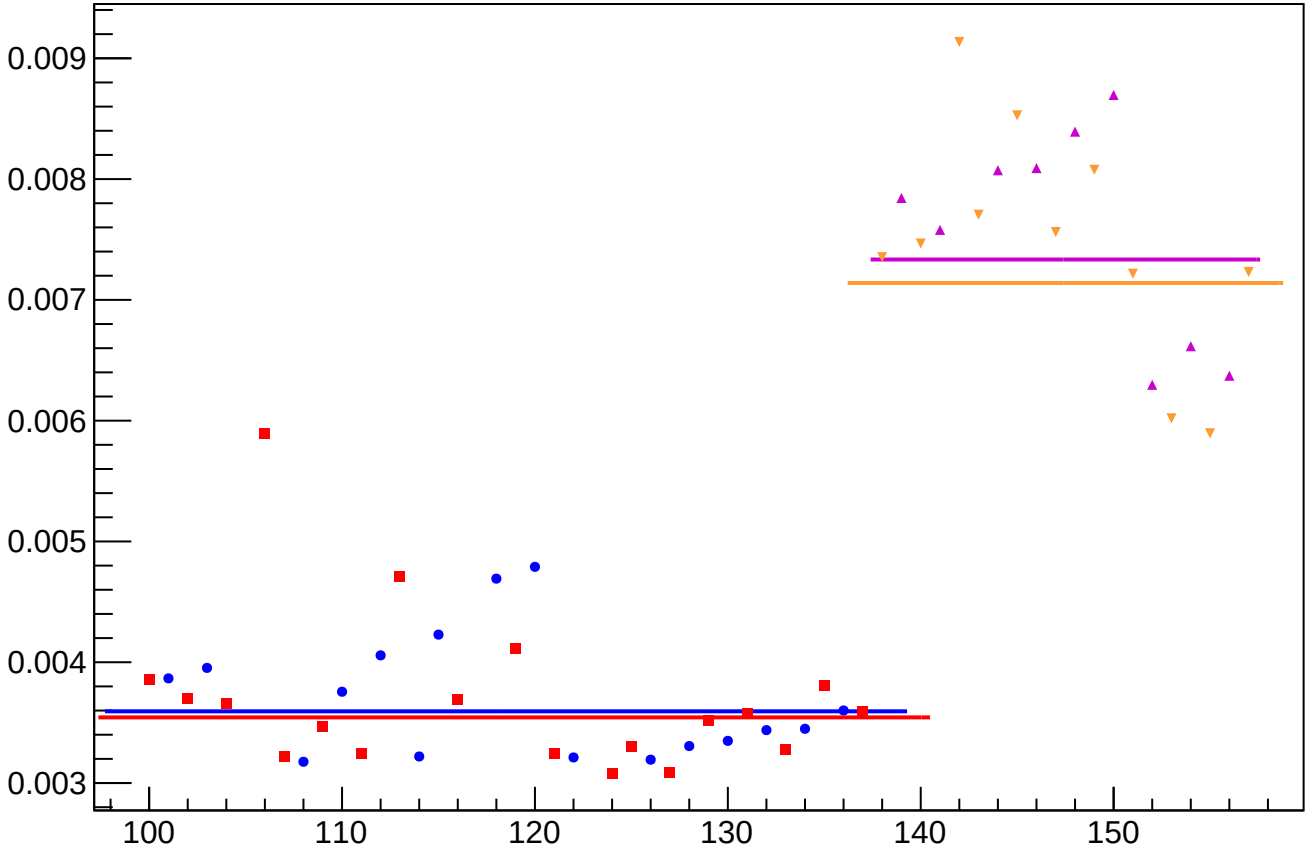
Left In: 0.742+/-0.000 χ^2/NDF:38434143509.0/8

+ sign 0.167+/-0.000 χ^2/NDF: 953200508956.0/26

All: 0.175+/-0.000 χ^2/NDF: 1971692027706.

- sign 0.183+/-0.000 χ^2/NDF: 1018404352610.0/27

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:217630.5/10

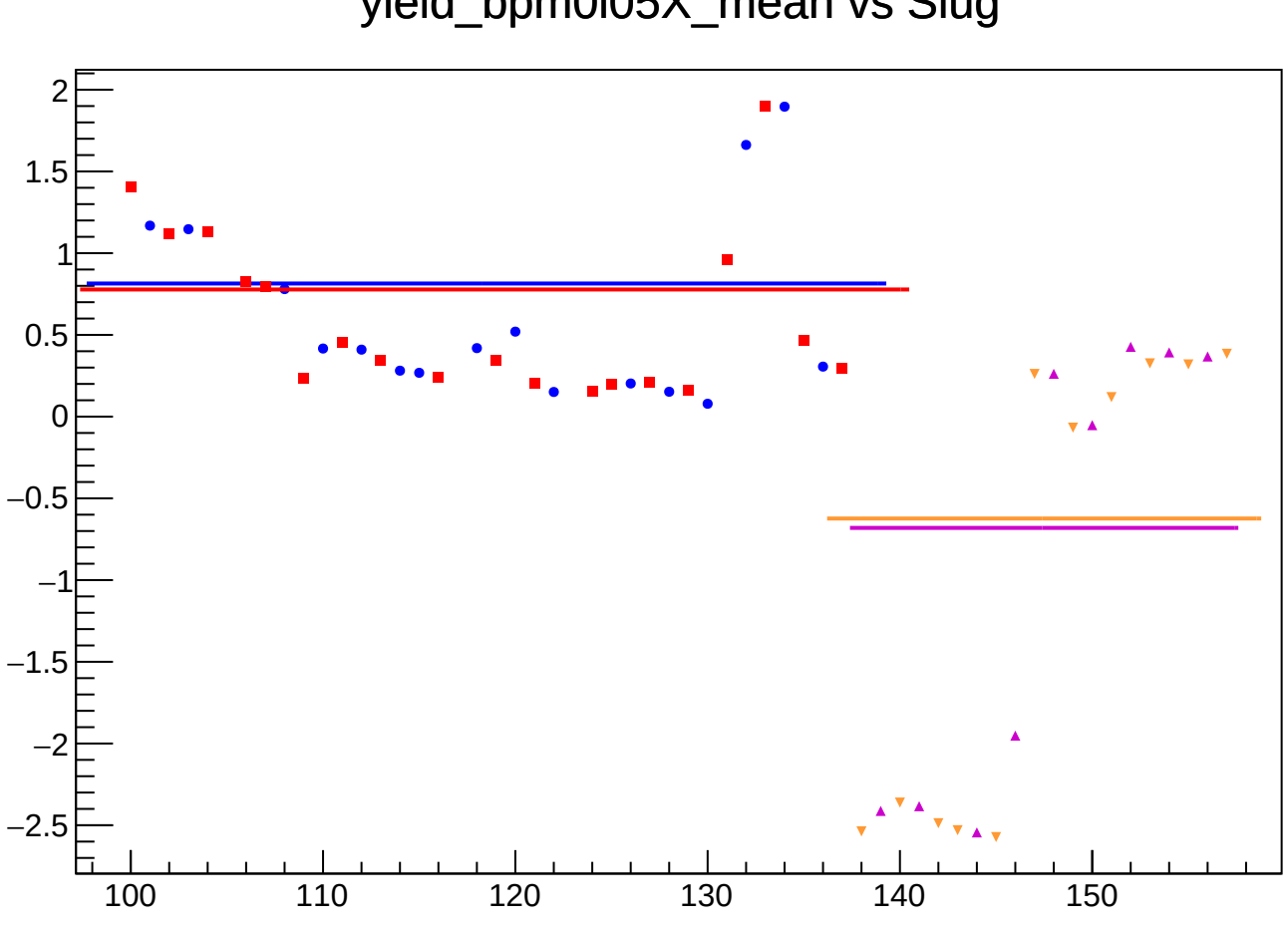
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:179090.9/8

+ sign 0.004+/-0.000 χ^2/NDF: 3100241.7/26

All: 0.004+/-0.000 χ^2/NDF: 6307656.8/54

- sign 0.004+/-0.000 χ^2/NDF: 3197297.0/27



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.623+/-0.000 χ^2/NDF:298961504867.8/10

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

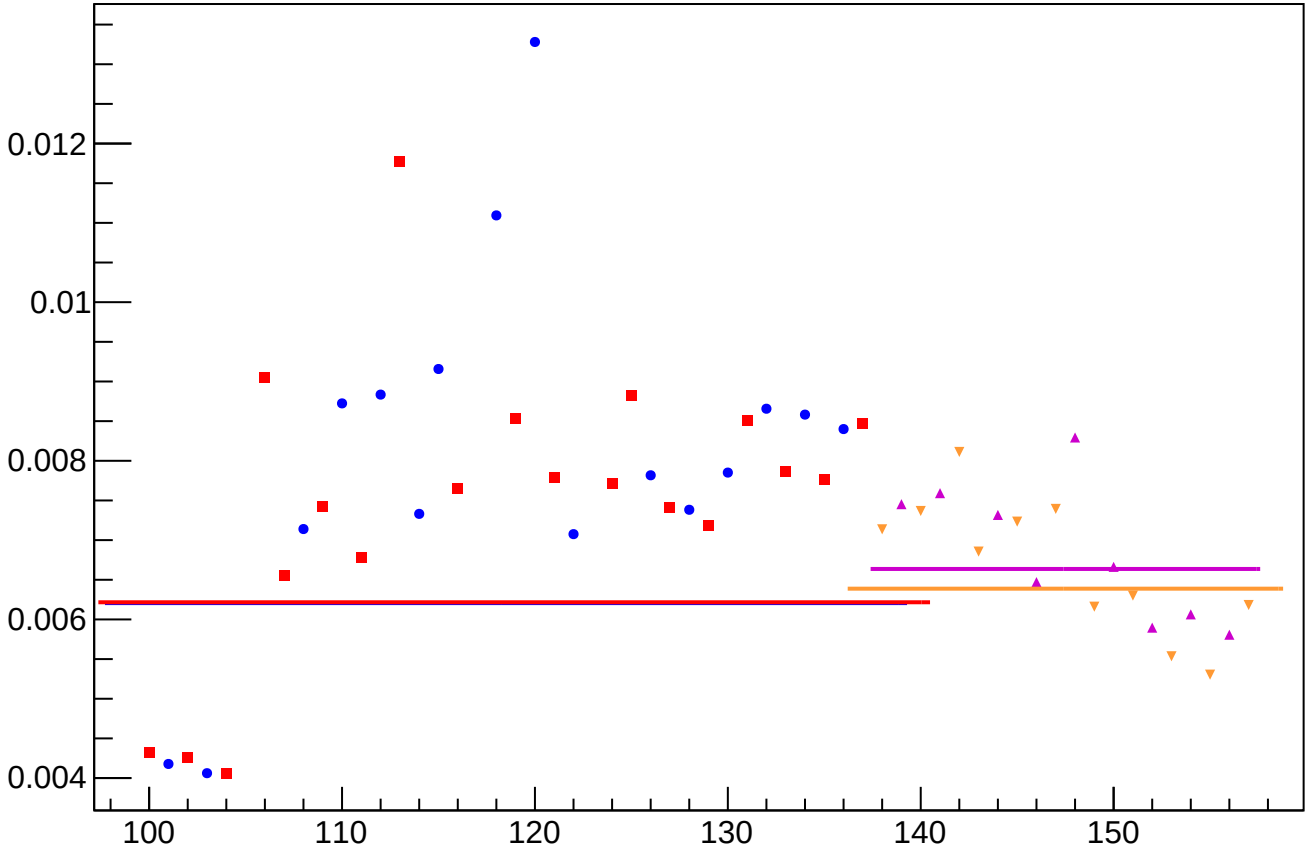
Left In: -0.681+/-0.000 χ^2/NDF:252111531519.0/8

+ sign 0.008+/-0.000 χ^2/NDF: 501576699831.6/26

All: 0.027+/-0.000 χ^2/NDF: 954228481063.5

- sign 0.047+/-0.000 χ^2/NDF: 452413346084.3/27

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:231410.1/10

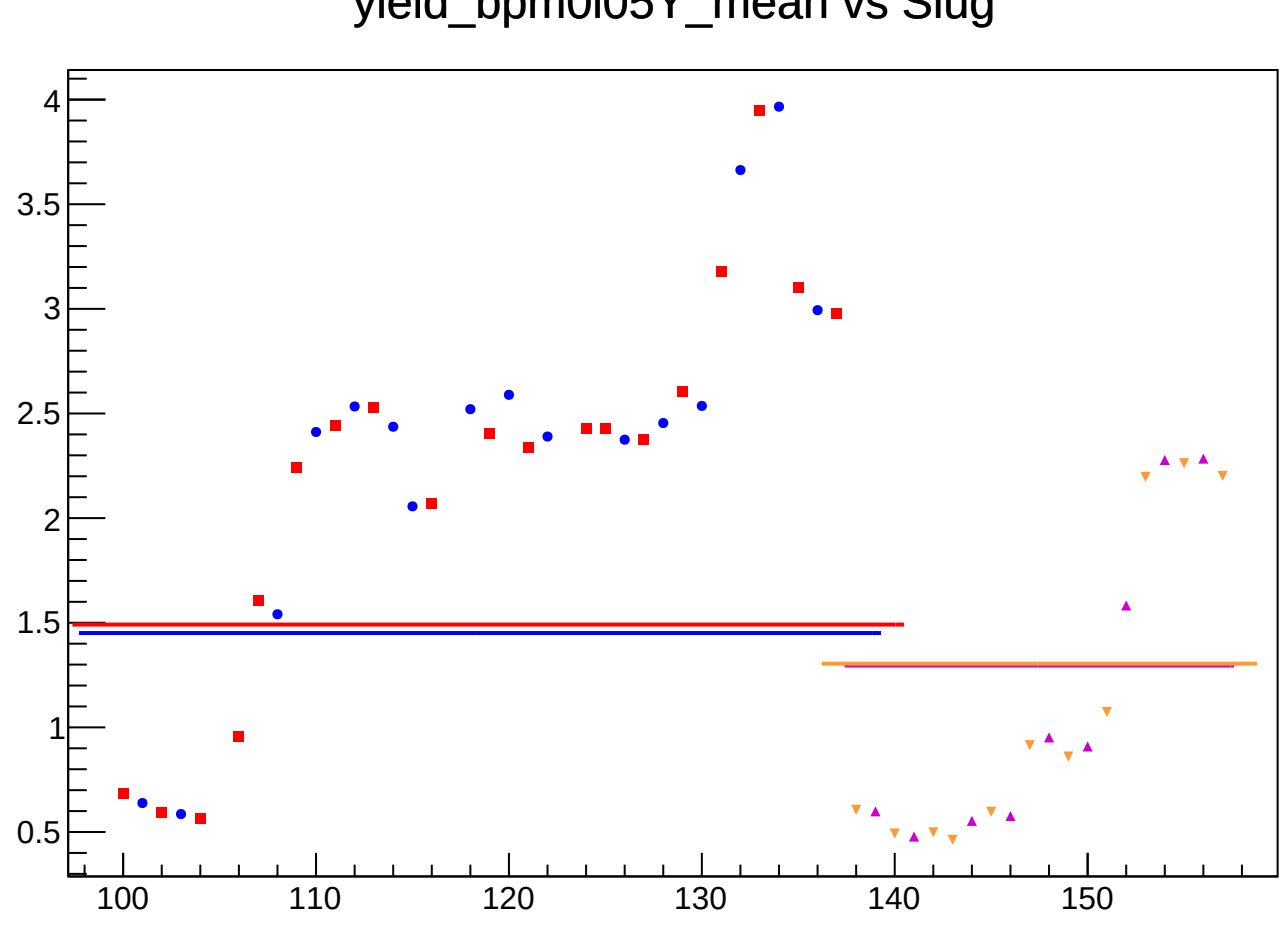
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:186865.6/8

+ sign 0.006+/-0.000 χ^2/NDF: 1660645.3/26

All: 0.006+/-0.000 χ^2/NDF: 3040624.6/54

- sign 0.006+/-0.000 χ^2/NDF: 1375463.8/27



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.305+/-0.000 χ^2/NDF:95817723964.0/10

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

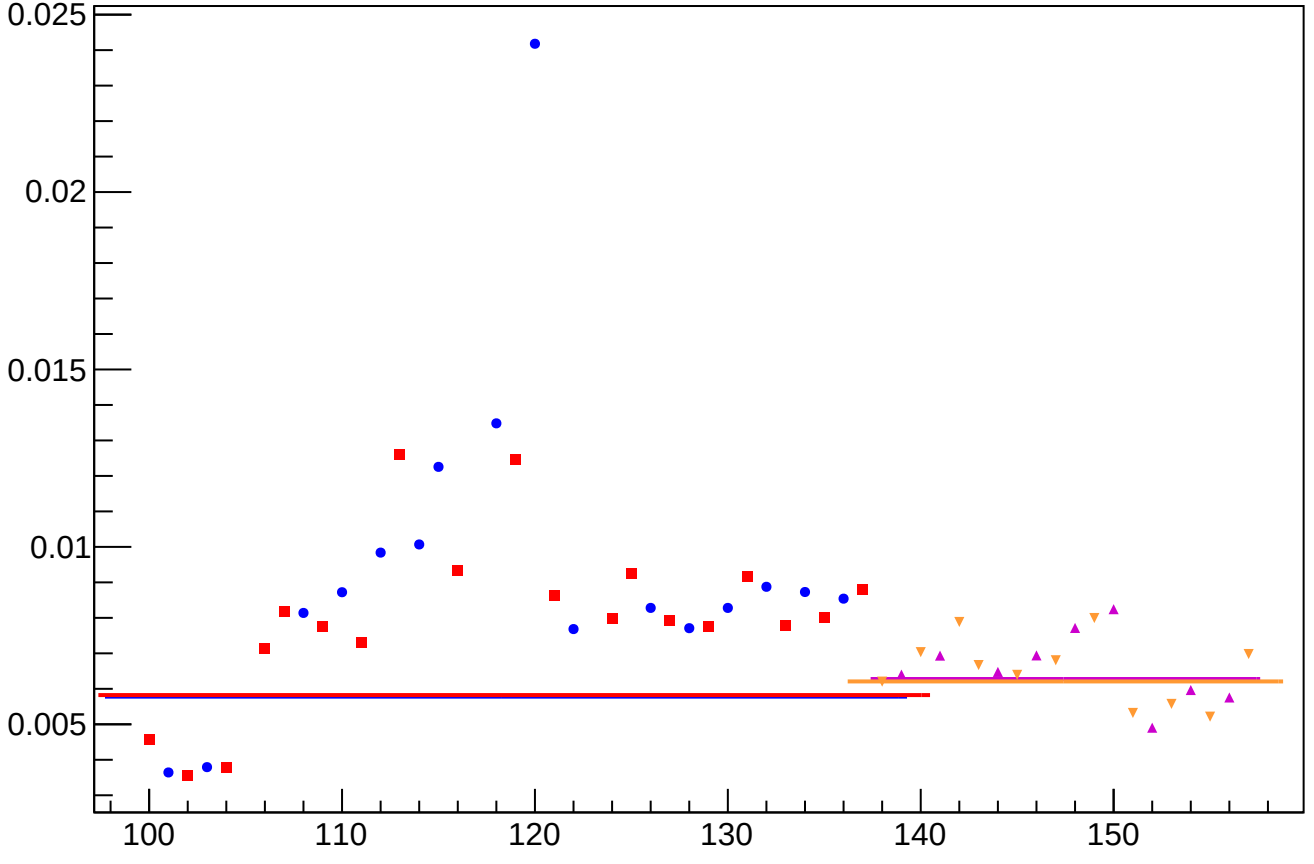
Left In: 1.296+/-0.000 χ^2/NDF:78953707211.7/8

+ sign 1.373+/-0.000 χ^2/NDF: 267163910022.6/26

All: 1.384+/-0.000 χ^2/NDF: 536148739889.4

- sign 1.396+/-0.000 χ^2/NDF: 268897105439.0/27

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:249801.0/10

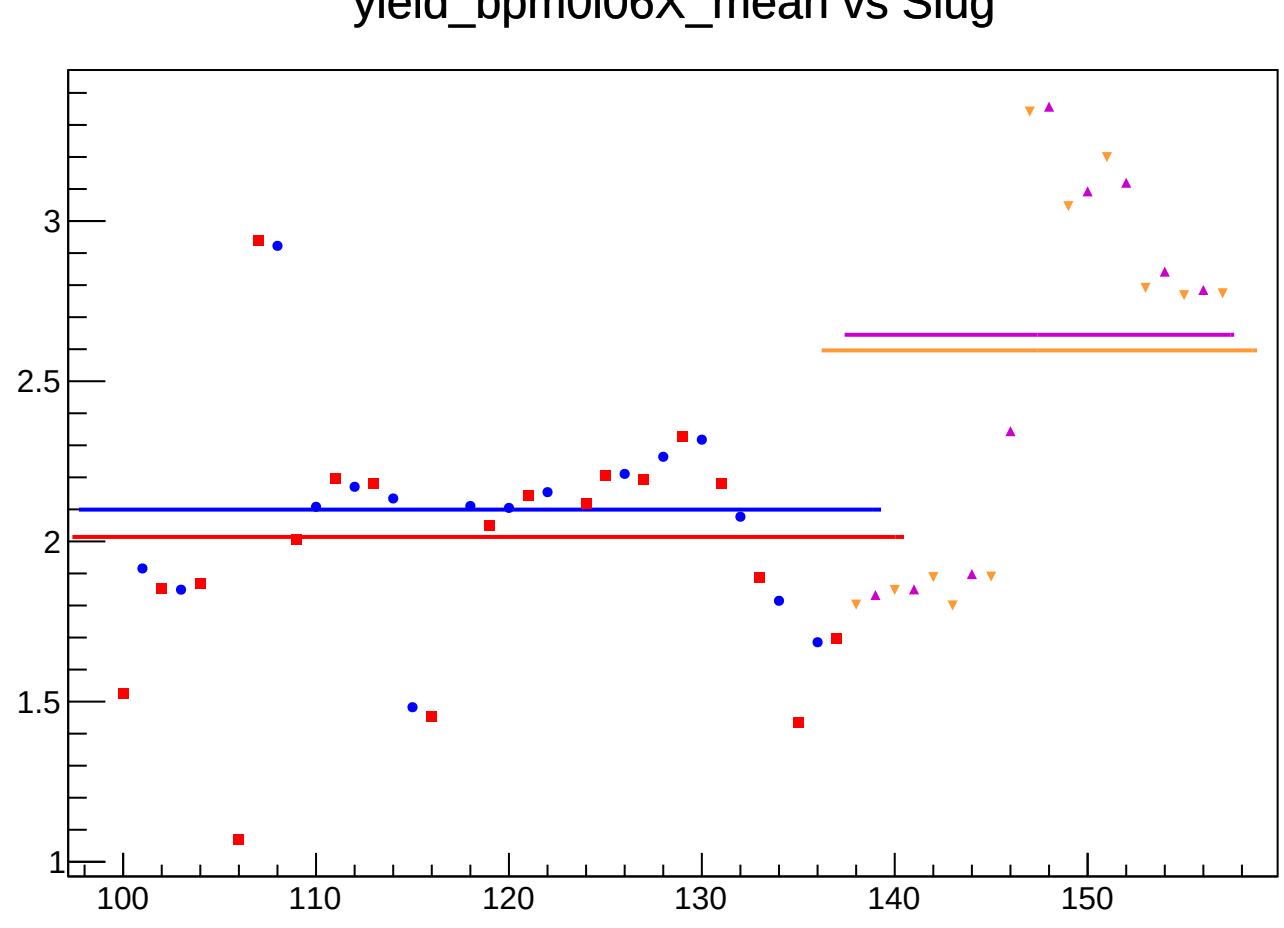
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:276795.8/8

+ sign 0.006+/-0.000 χ^2/NDF: 2492951.0/26

All: 0.006+/-0.000 χ^2/NDF: 4757908.7/54

- sign 0.006+/-0.000 χ^2/NDF: 2264581.6/27



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.596+/-0.000 χ^2/NDF:40218420230.1/10

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

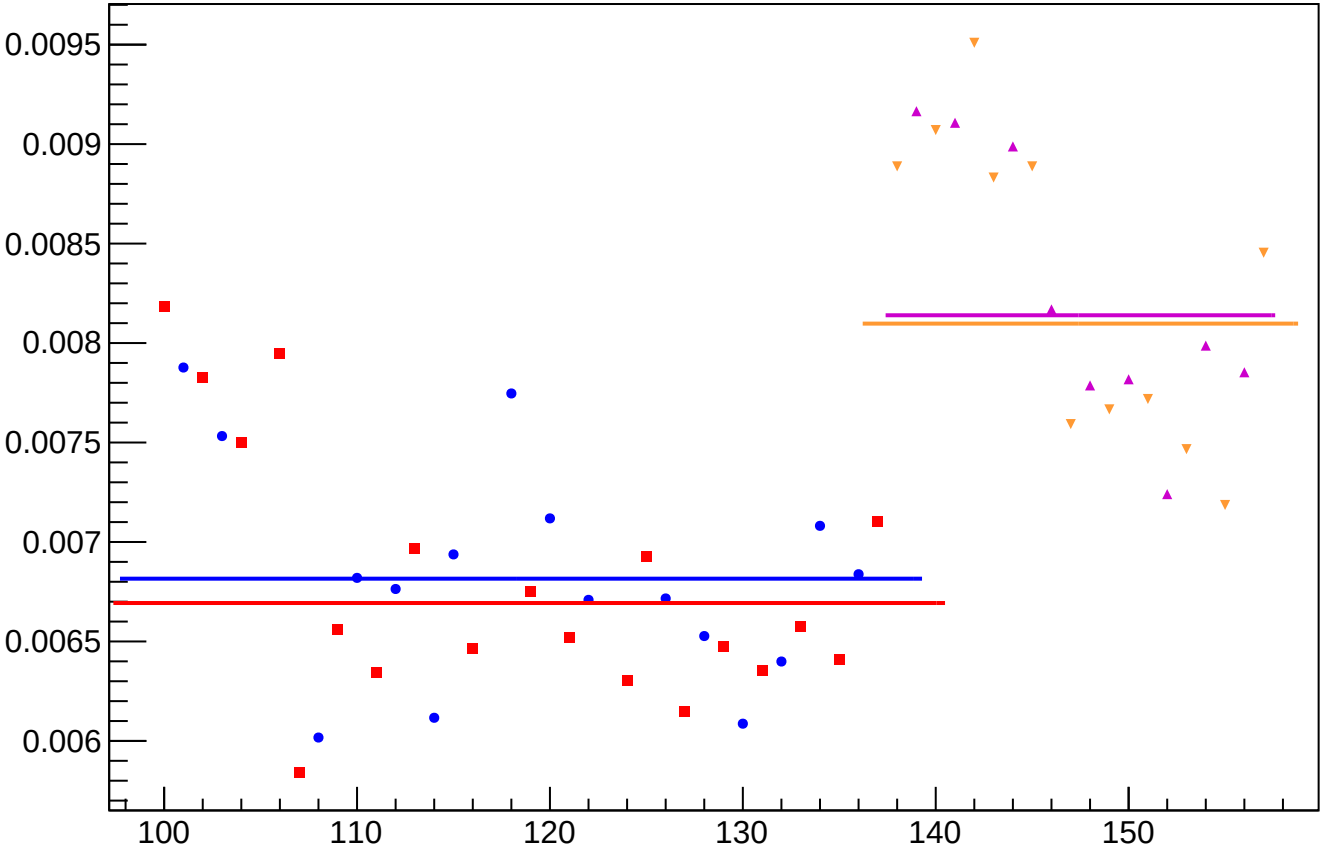
Left In: 2.645+/-0.000 χ^2/NDF:33230381815.6/8

+ sign 2.325+/-0.000 χ^2/NDF: 70628674308.8/26

All: 2.299+/-0.000 χ^2/NDF: 149856360801.2

- sign 2.273+/-0.000 χ^2/NDF: 78857332140.7/27

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:123957.8/10

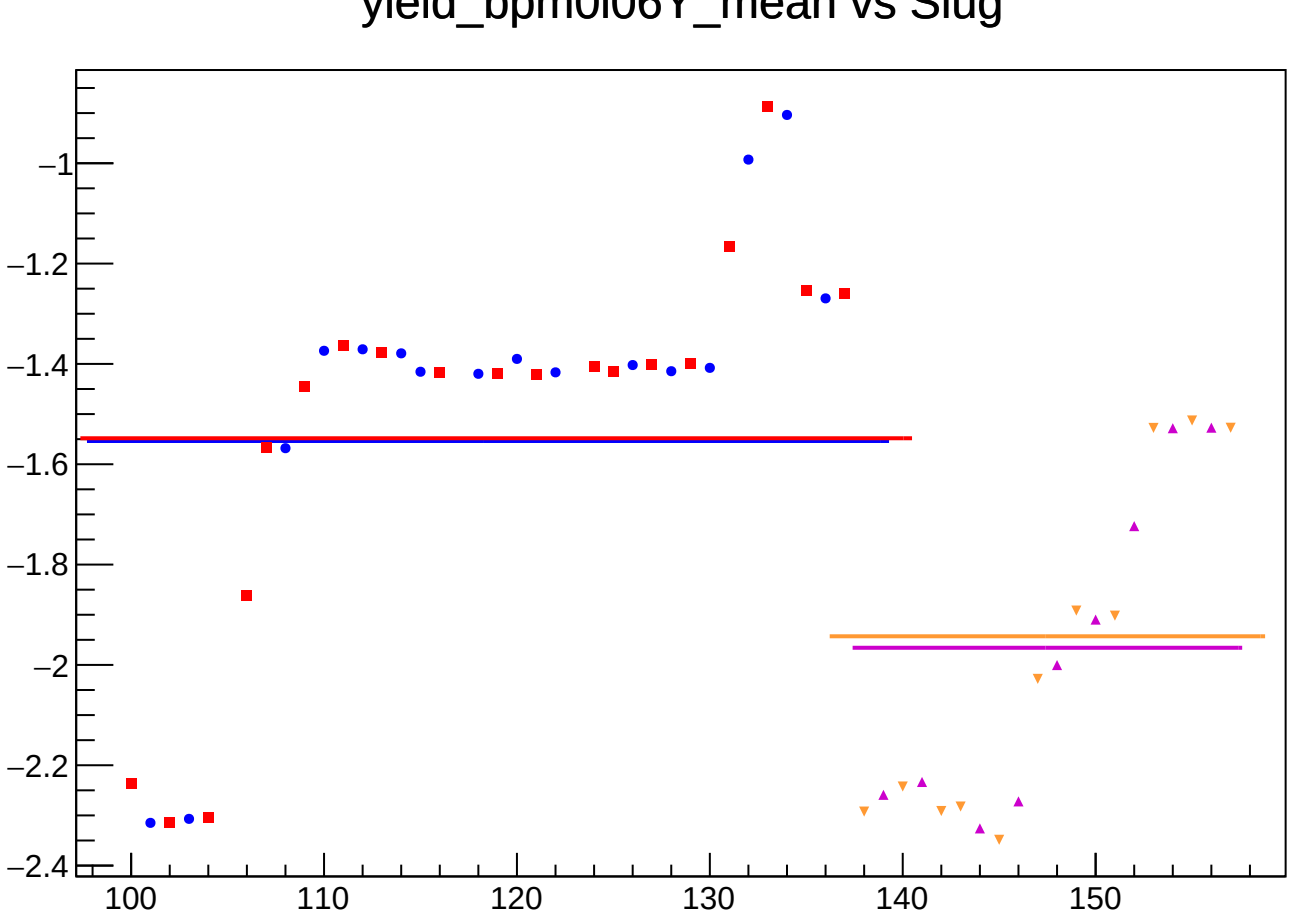
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:87649.9/8

+ sign 0.007+/-0.000 χ^2/NDF: 430123.0/26

All: 0.007+/-0.000 χ^2/NDF: 882300.1/54

- sign 0.007+/-0.000 χ^2/NDF: 448804.5/27



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.943+/-0.000 χ^2/NDF:84085482380.3/10

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

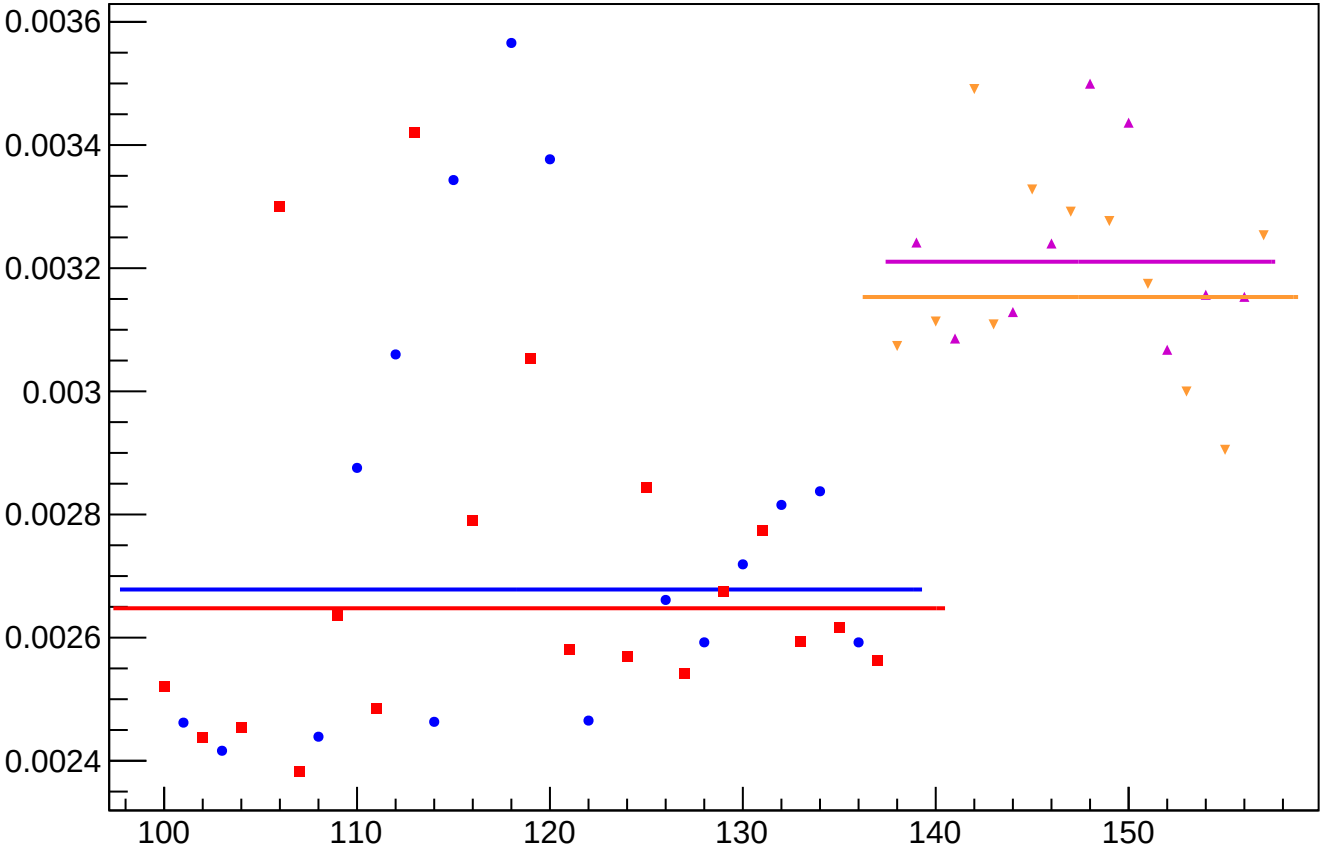
Left In: -1.966+/-0.000 χ^2/NDF:66189081267.4/8

+ sign -1.731+/-0.000 χ^2/NDF: 323762911495.6/26

All: -1.724+/-0.000 χ^2/NDF: 635926795926.9

- sign -1.718+/-0.000 χ^2/NDF: 312034847764.0/27

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:34782.3/10

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

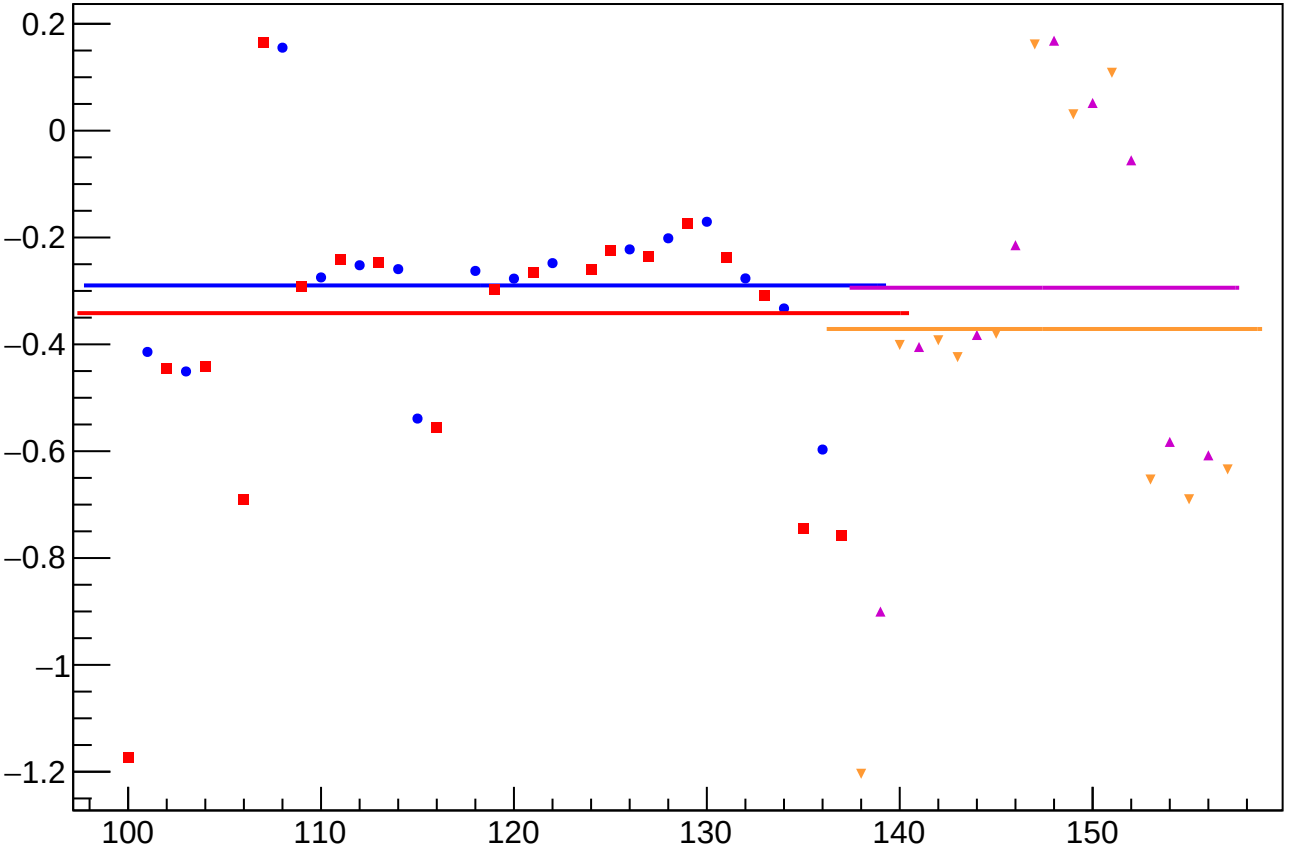
Left In: 0.003+/-0.000 χ^2/NDF:25932.7/8

+ sign 0.003+/-0.000 χ^2/NDF: 384711.9/26

All: 0.003+/-0.000 χ^2/NDF: 785569.5/54

- sign 0.003+/-0.000 χ^2/NDF: 400354.7/27

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.371+/-0.000 χ^2/NDF:6791574733.2/10

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

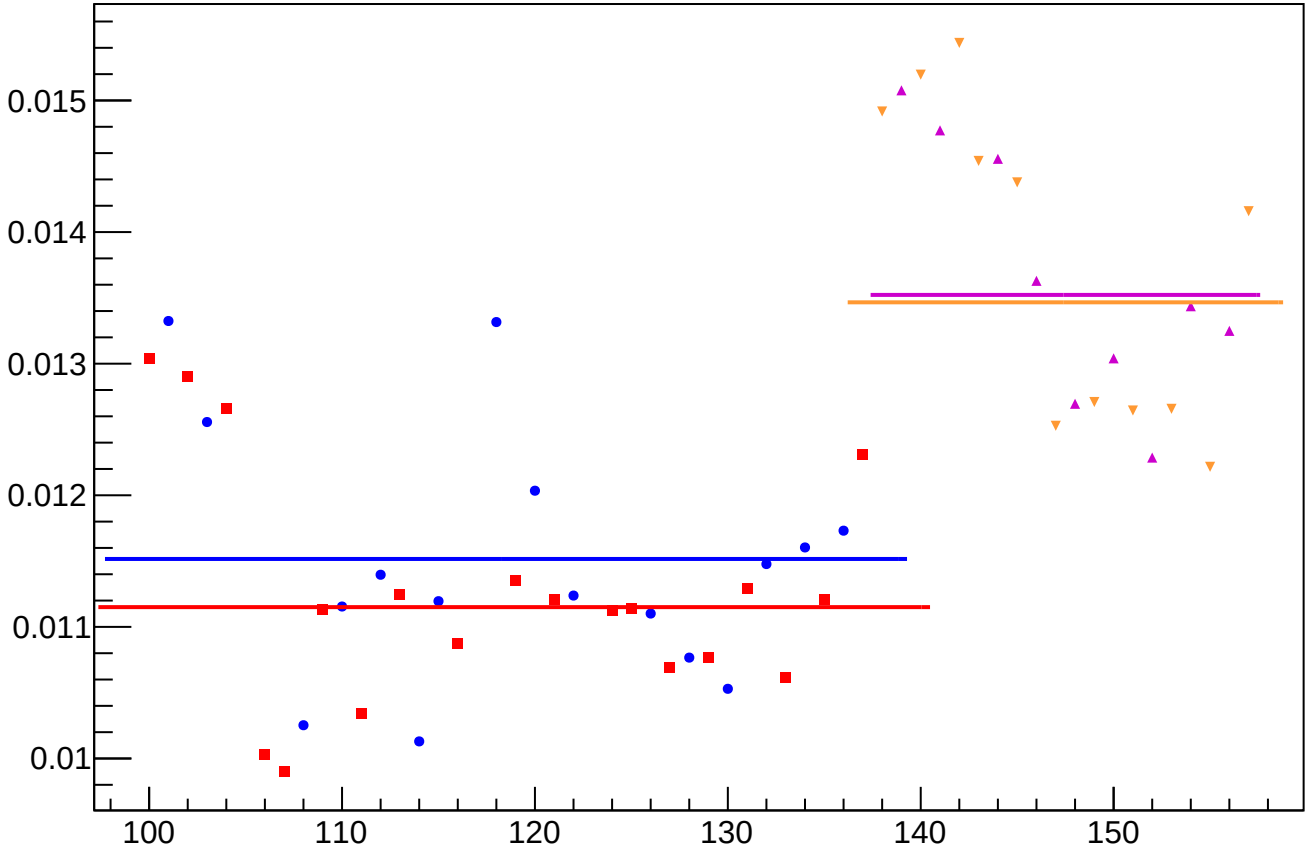
Left In: -0.294+/-0.000 χ^2/NDF:4162146956.5/8

+ sign -0.327+/-0.000 χ^2/NDF: 8596115526.5/26

All: -0.325+/-0.000 χ^2/NDF: 15422282703.7/

- sign -0.322+/-0.000 χ^2/NDF: 6824955380.2/27

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:108491.6/10

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

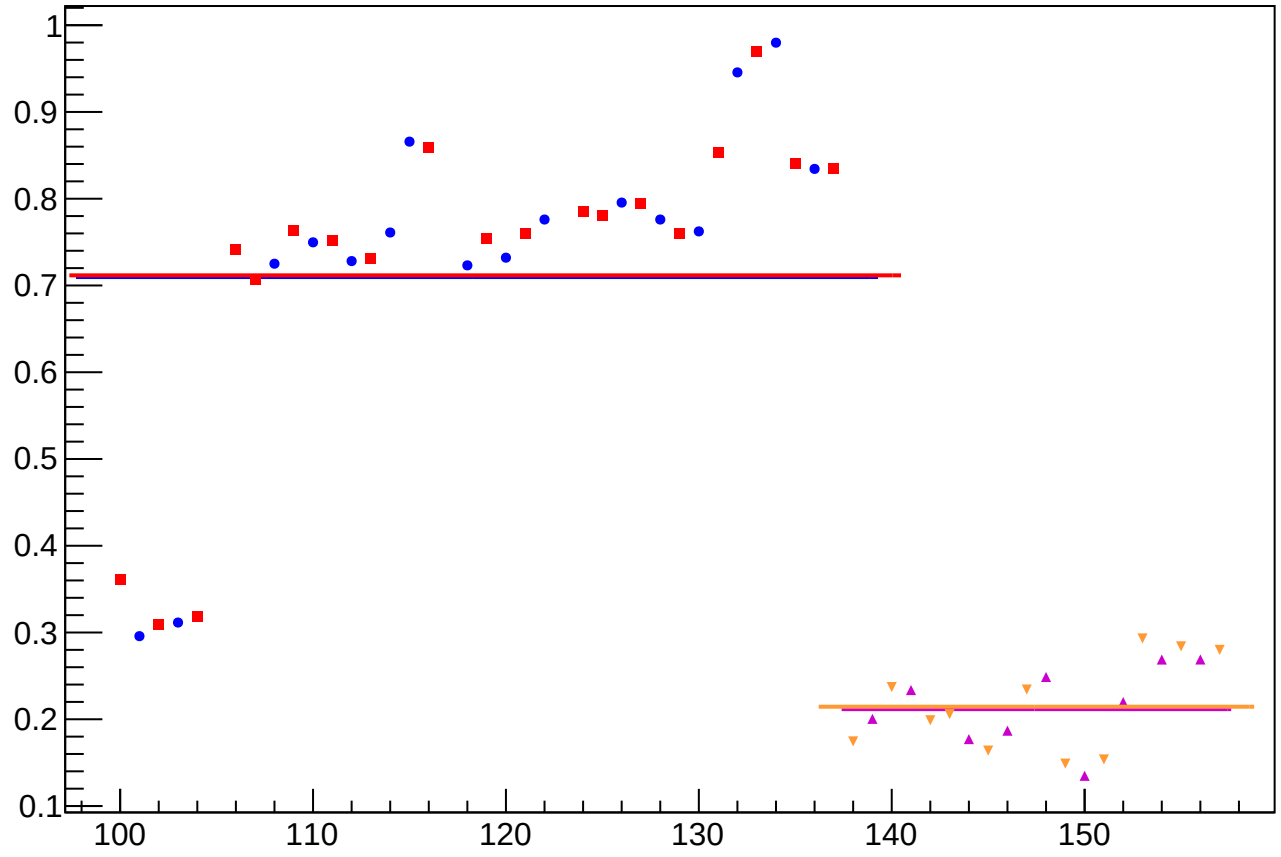
Left In: 0.014+/-0.000 χ^2/NDF:63468.5/8

+ sign 0.012+/-0.000 χ^2/NDF: 375211.8/26

All: 0.012+/-0.000 χ^2/NDF: 784881.0/54

- sign 0.012+/-0.000 χ^2/NDF: 400942.3/27

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.214+/-0.000 χ^2/NDF:4616441311.9/10

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

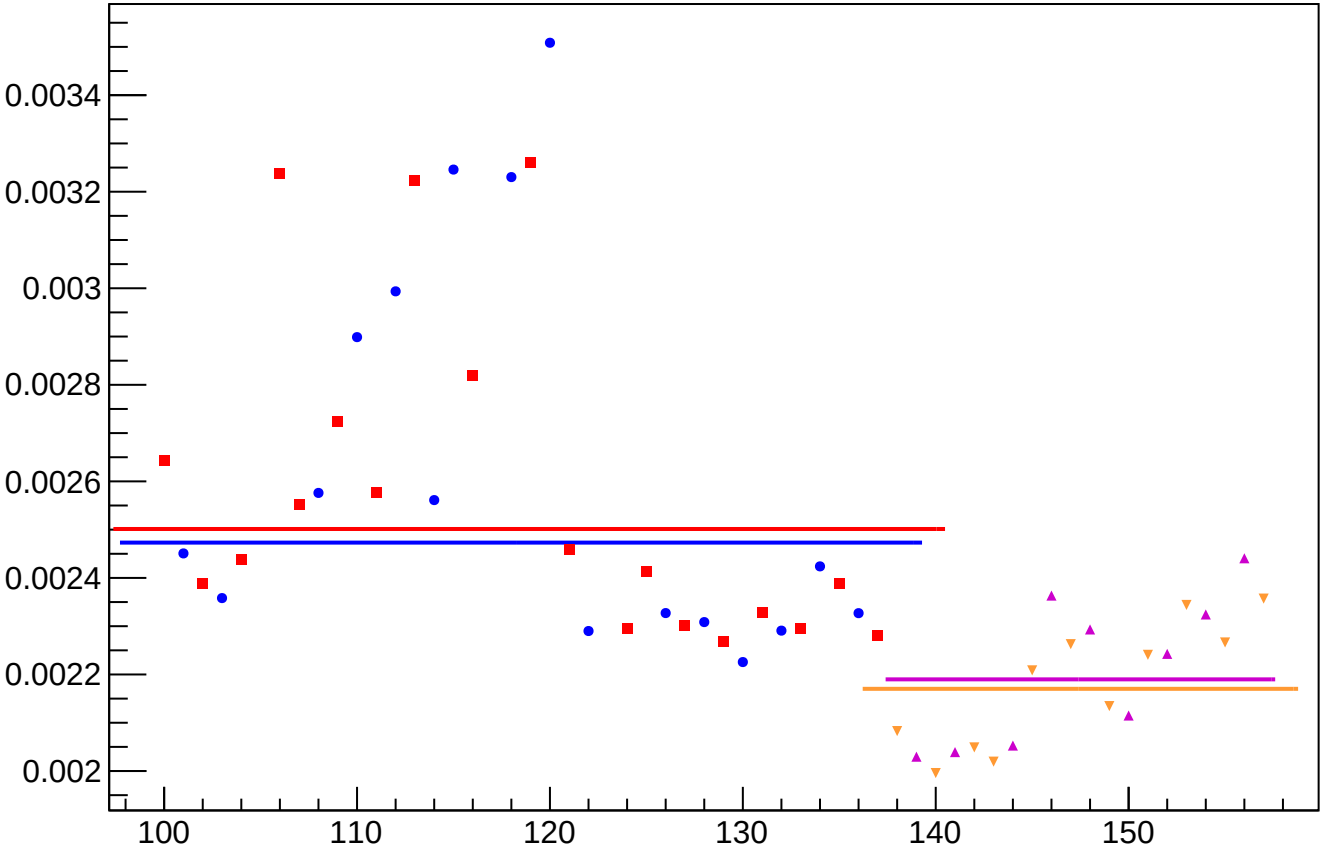
Left In: 0.212+/-0.000 χ^2/NDF:2857248757.0/8

+ sign 0.403+/-0.000 χ^2/NDF: 222887069137.5/26

All: 0.410+/-0.000 χ^2/NDF: 435535837056.9

- sign 0.418+/-0.000 χ^2/NDF: 212348279015.6/27

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:55143.2/10

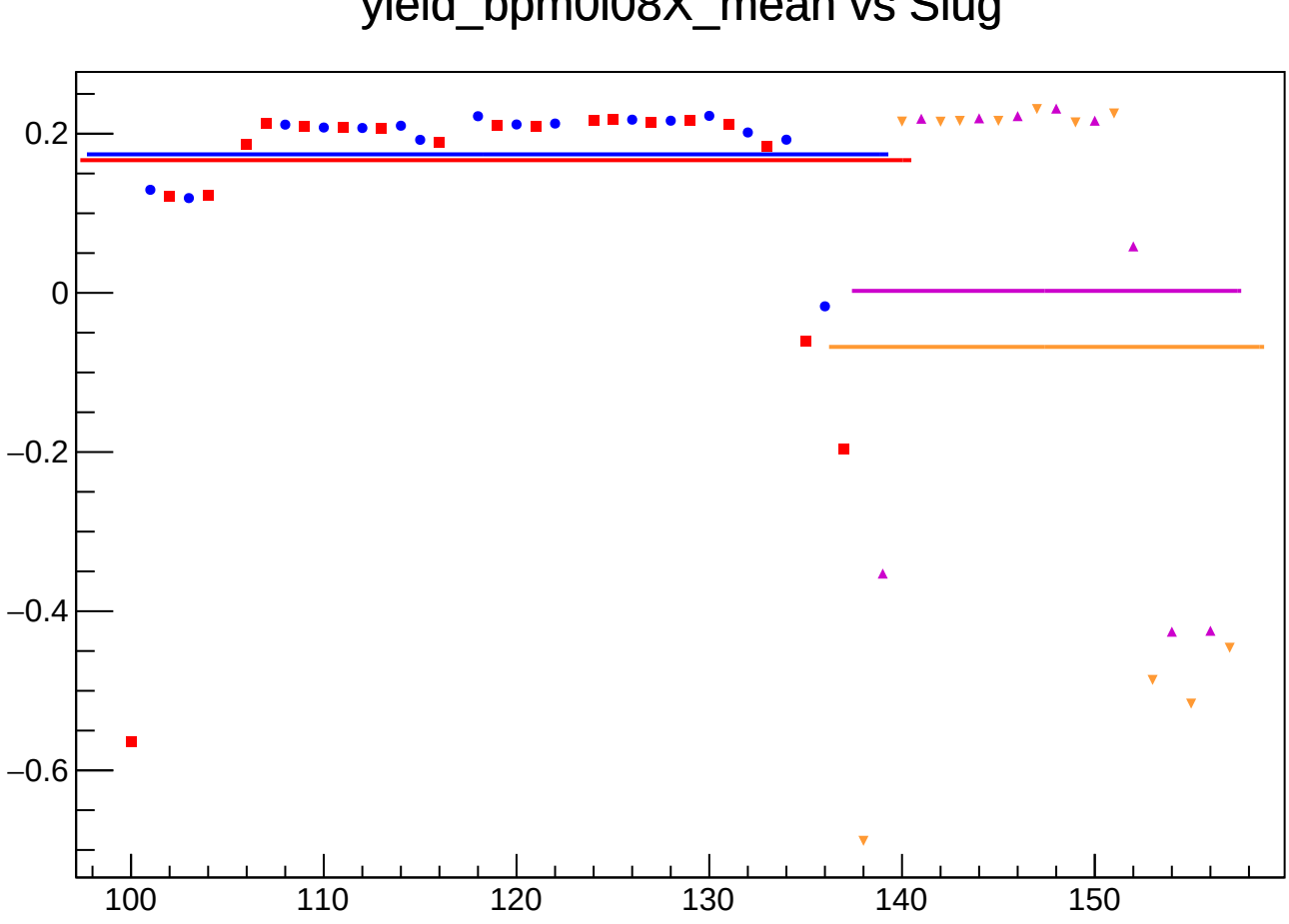
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:67080.7/8

+ sign 0.002+/-0.000 χ^2/NDF: 389869.6/26

All: 0.002+/-0.000 χ^2/NDF: 765702.5/54

- sign 0.002+/-0.000 χ^2/NDF: 372832.2/27



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.068+/-0.000 χ^2/NDF:7284927173.8/10

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

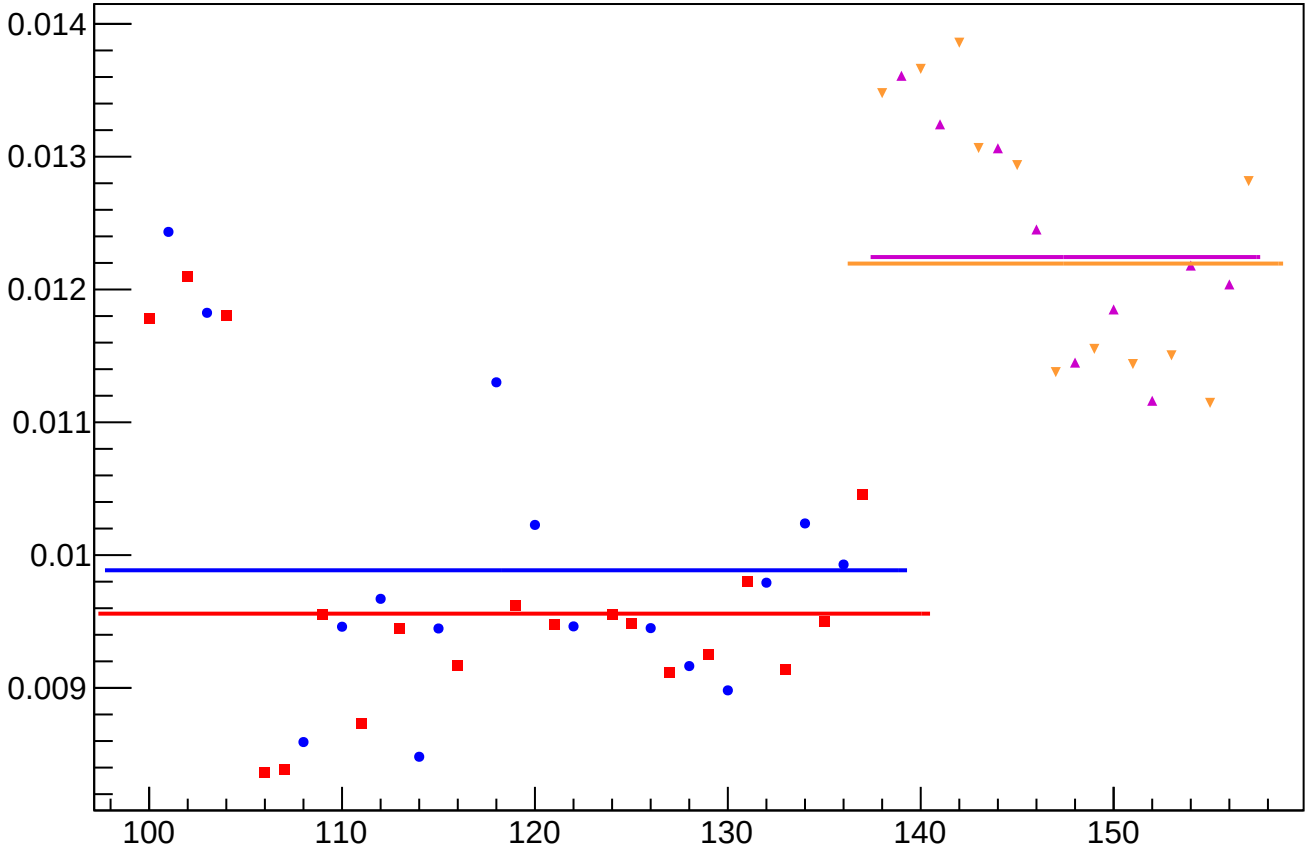
Left In: 0.002+/-0.000 χ^2/NDF:3882579394.9/8

+ sign 0.068+/-0.000 χ^2/NDF: 9480515379.3/26

All: 0.086+/-0.000 χ^2/NDF: 15149774172.4/5

- sign 0.104+/-0.000 χ^2/NDF: 5589899225.4/27

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:97248.7/10

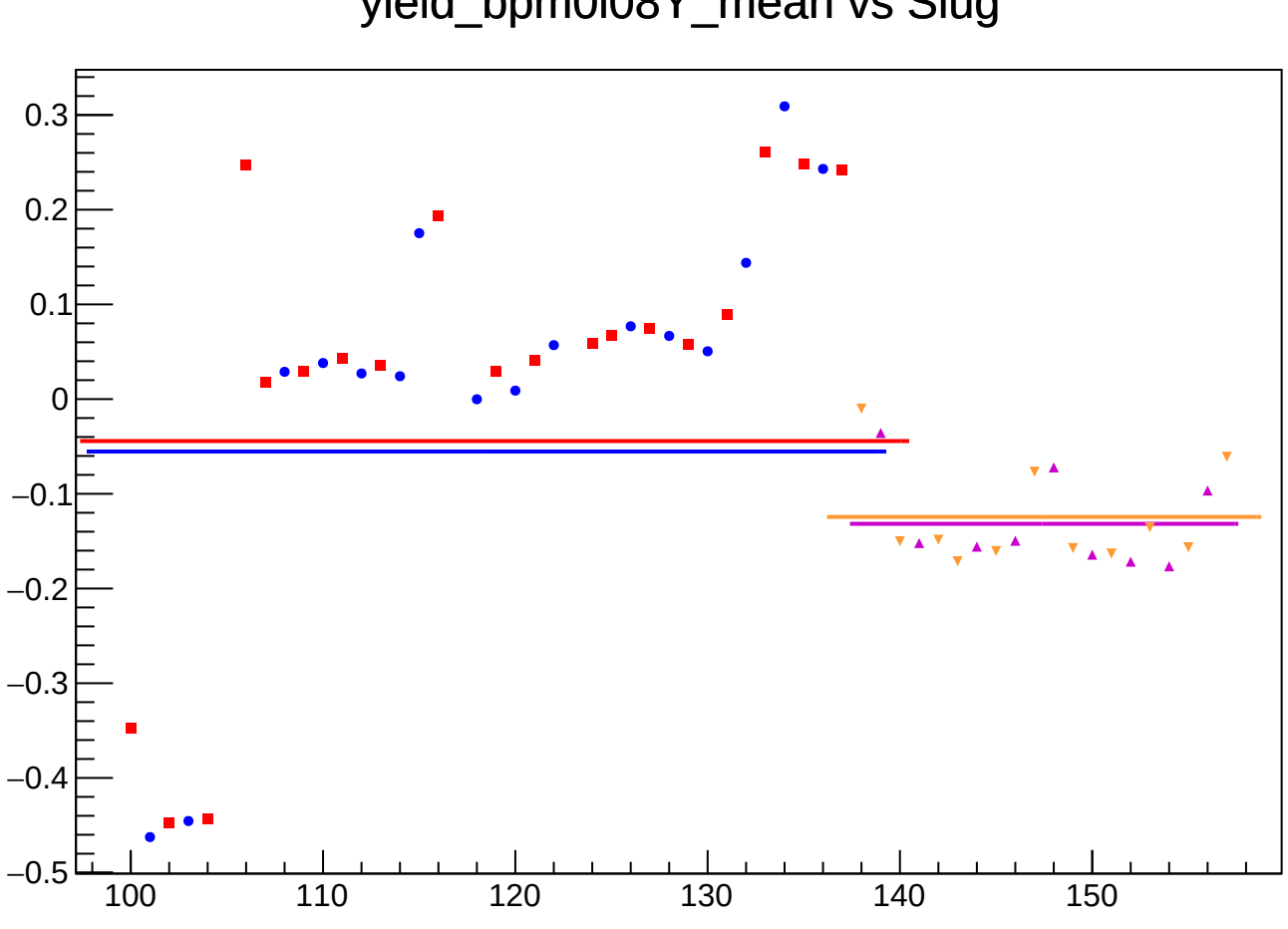
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:57833.4/8

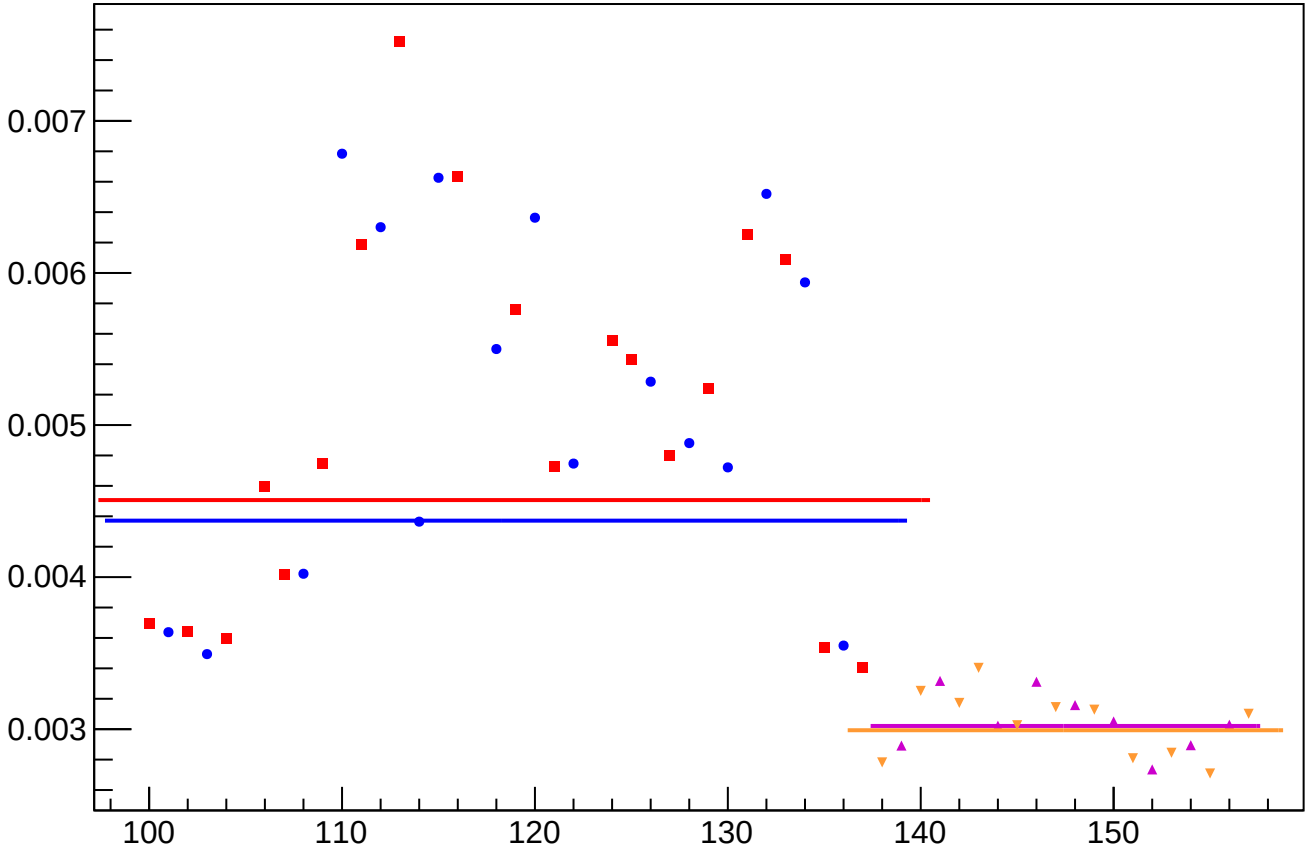
+ sign 0.011+/-0.000 χ^2/NDF: 572680.2/26

All: 0.011+/-0.000 χ^2/NDF: 1213367.9/54

- sign 0.011+/-0.000 χ^2/NDF: 628751.5/27


yield_bpm0l08Y_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.124+/-0.000 χ²/NDF:2434139221.7/10
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.132+/-0.000 χ²/NDF:1863068278.2/8
+ sign -0.106+/-0.000 χ²/NDF: 27641738083.4/26
All: -0.107+/-0.000 χ²/NDF: 53366642163.8/
- sign -0.107+/-0.000 χ²/NDF: 25724645805.4/27

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:79297.8/10

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

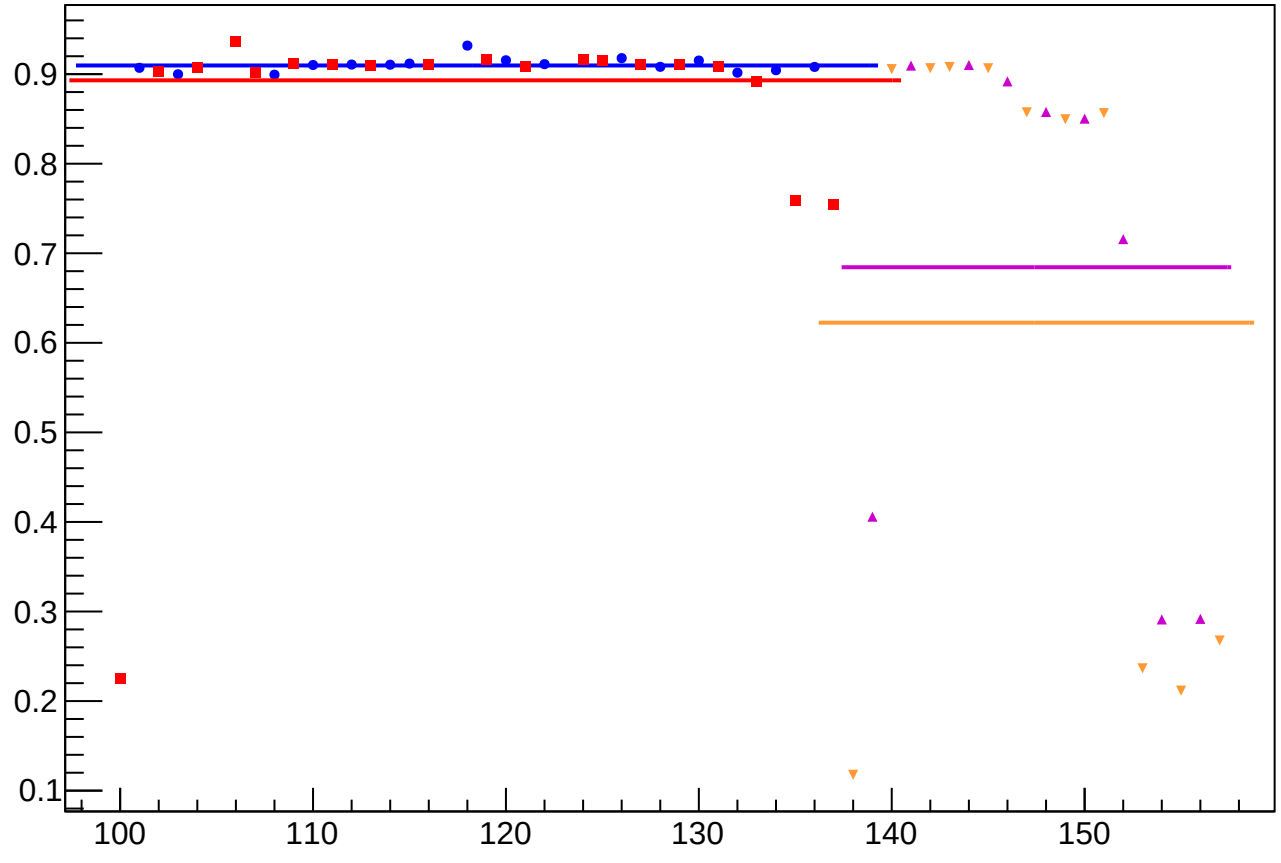
Left In: 0.003+/-0.000 χ^2/NDF:52296.6/8

+ sign 0.003+/-0.000 χ^2/NDF: 1636462.2/26

All: 0.003+/-0.000 χ^2/NDF: 3399606.2/54

- sign 0.003+/-0.000 χ^2/NDF: 1754262.7/27

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.623+/-0.000 χ^2/NDF:6137609077.8/10

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

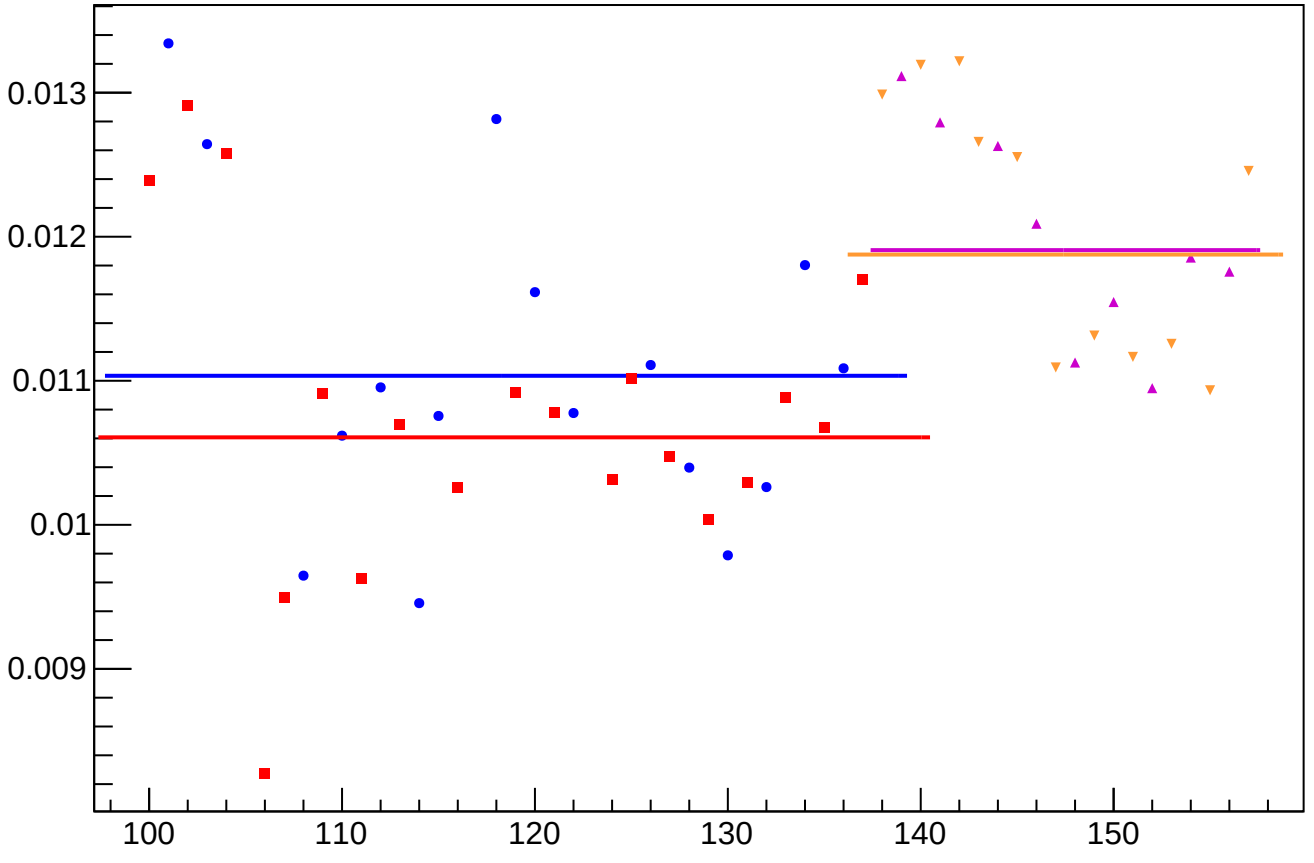
Left In: 0.684+/-0.000 χ^2/NDF:3313513318.5/8

+ sign 0.764+/-0.000 χ^2/NDF: 8495559597.7/26

All: 0.782+/-0.000 χ^2/NDF: 13459286058.9/5

- sign 0.799+/-0.000 χ^2/NDF: 4892397443.2/27

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:83034.4/10

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

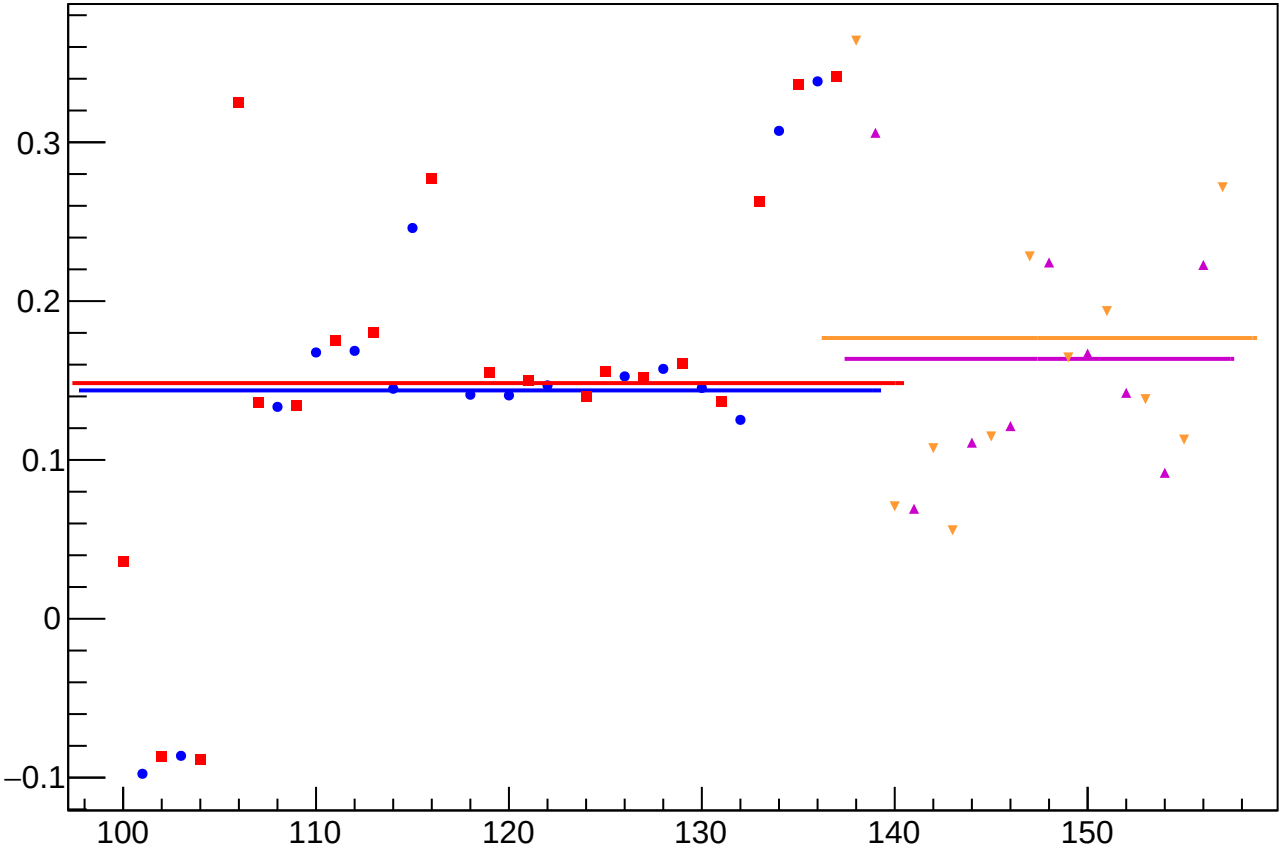
Left In: 0.012+/-0.000 χ^2/NDF:50011.0/8

+ sign 0.011+/-0.000 χ^2/NDF: 253837.3/26

All: 0.011+/-0.000 χ^2/NDF: 553254.8/54

- sign 0.011+/-0.000 χ^2/NDF: 290989.6/27

yield_bpm0l09Y_mean vs Slug



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.177+/-0.000 χ^2/NDF:5285137955.9/10

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

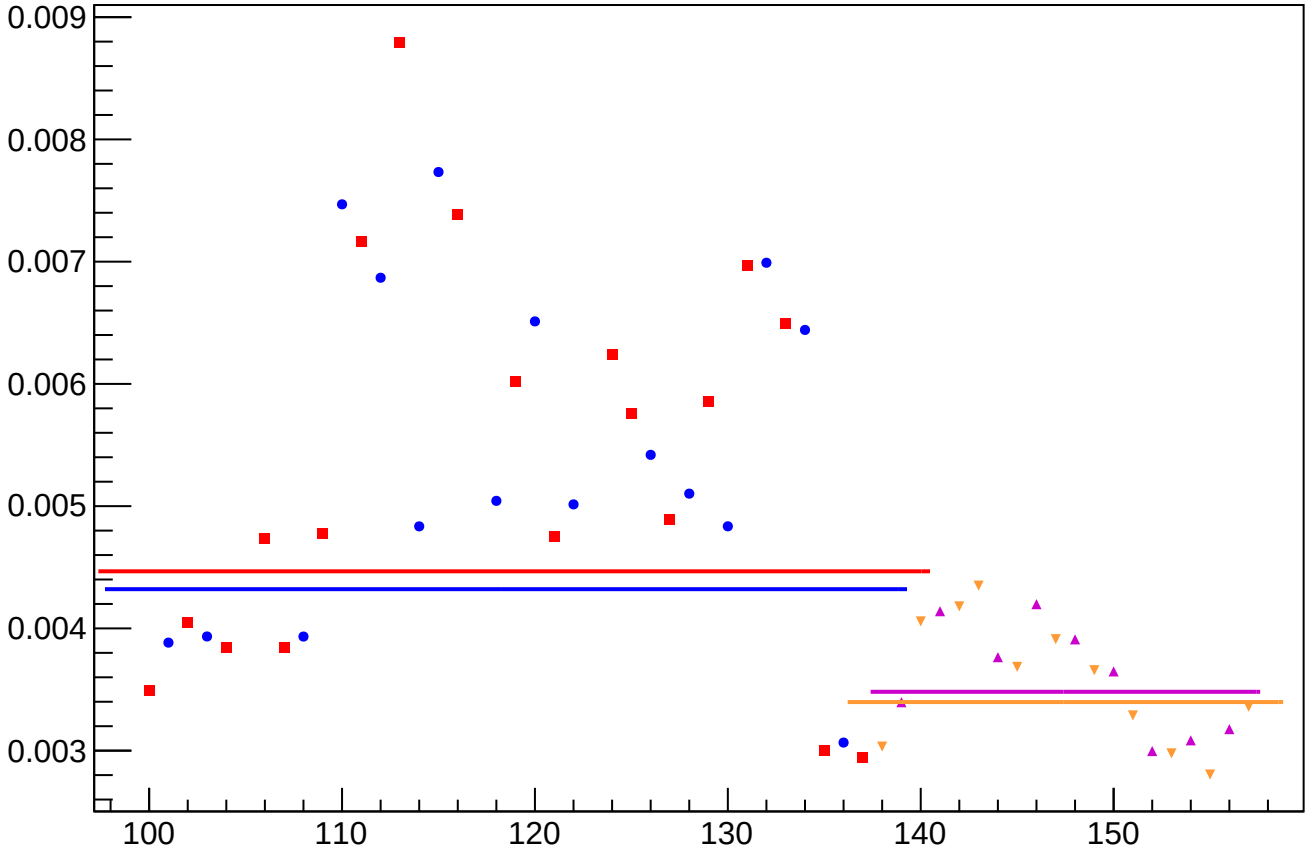
Left In: 0.164+/-0.000 χ^2/NDF:2930294028.2/8

+ sign 0.166+/-0.000 χ^2/NDF: 13381202226.6/26

All: 0.163+/-0.000 χ^2/NDF: 23514904067.5/5

- sign 0.158+/-0.000 χ^2/NDF: 10104598321.2/27

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:298618.4/10

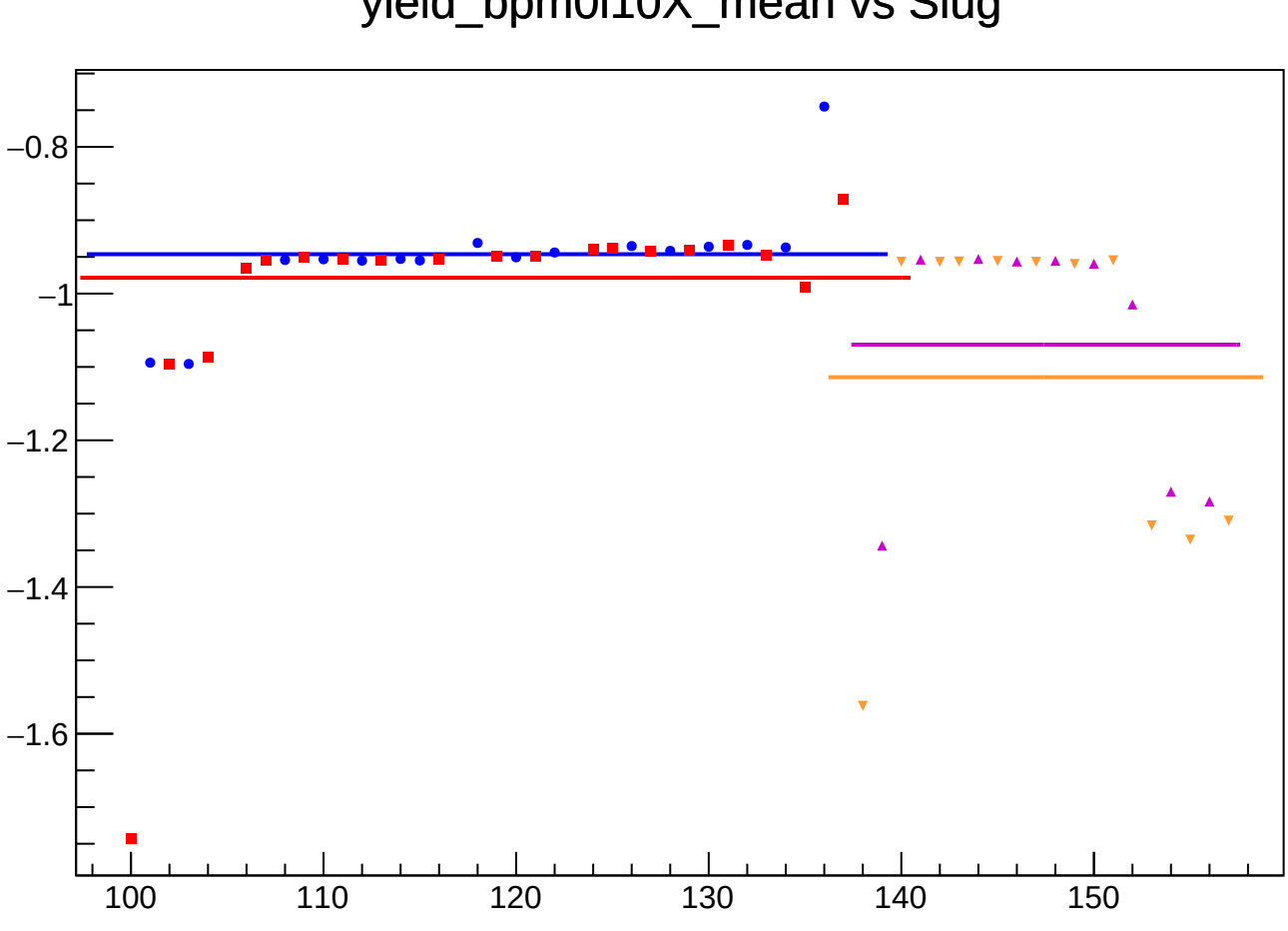
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:198024.8/8

+ sign 0.004+/-0.000 χ^2/NDF: 1535528.9/26

All: 0.004+/-0.000 χ^2/NDF: 3216010.1/54

- sign 0.004+/-0.000 χ^2/NDF: 1665168.9/27



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.114+/-0.000 χ^2/NDF:3197646835.0/10

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

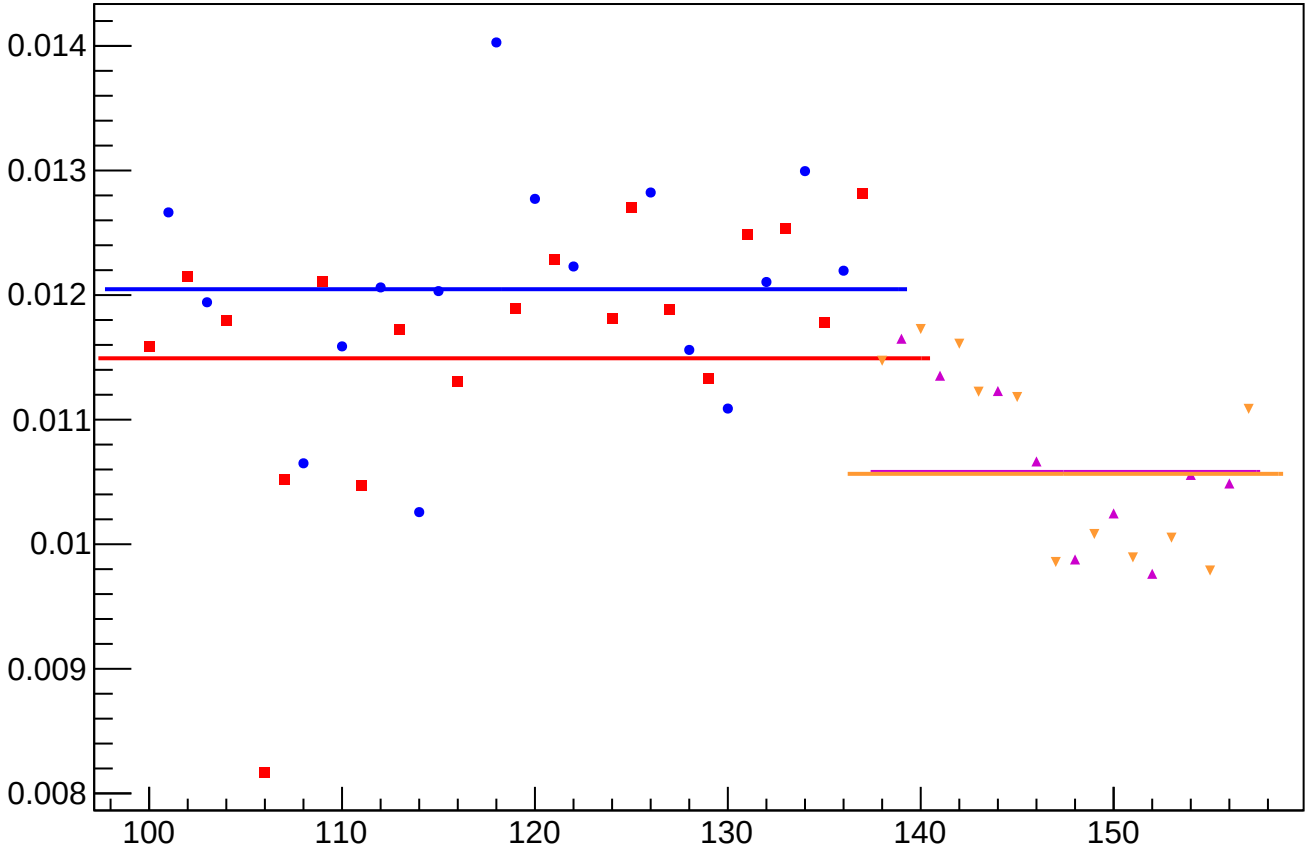
Left In: -1.070+/-0.000 χ^2/NDF:1587901357.1/8

+ sign -1.048+/-0.000 χ^2/NDF: 4412090542.0/26

All: -1.038+/-0.000 χ^2/NDF: 6732256580.6/5

- sign -1.029+/-0.000 χ^2/NDF: 2296698333.5/27

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:78057.4/10

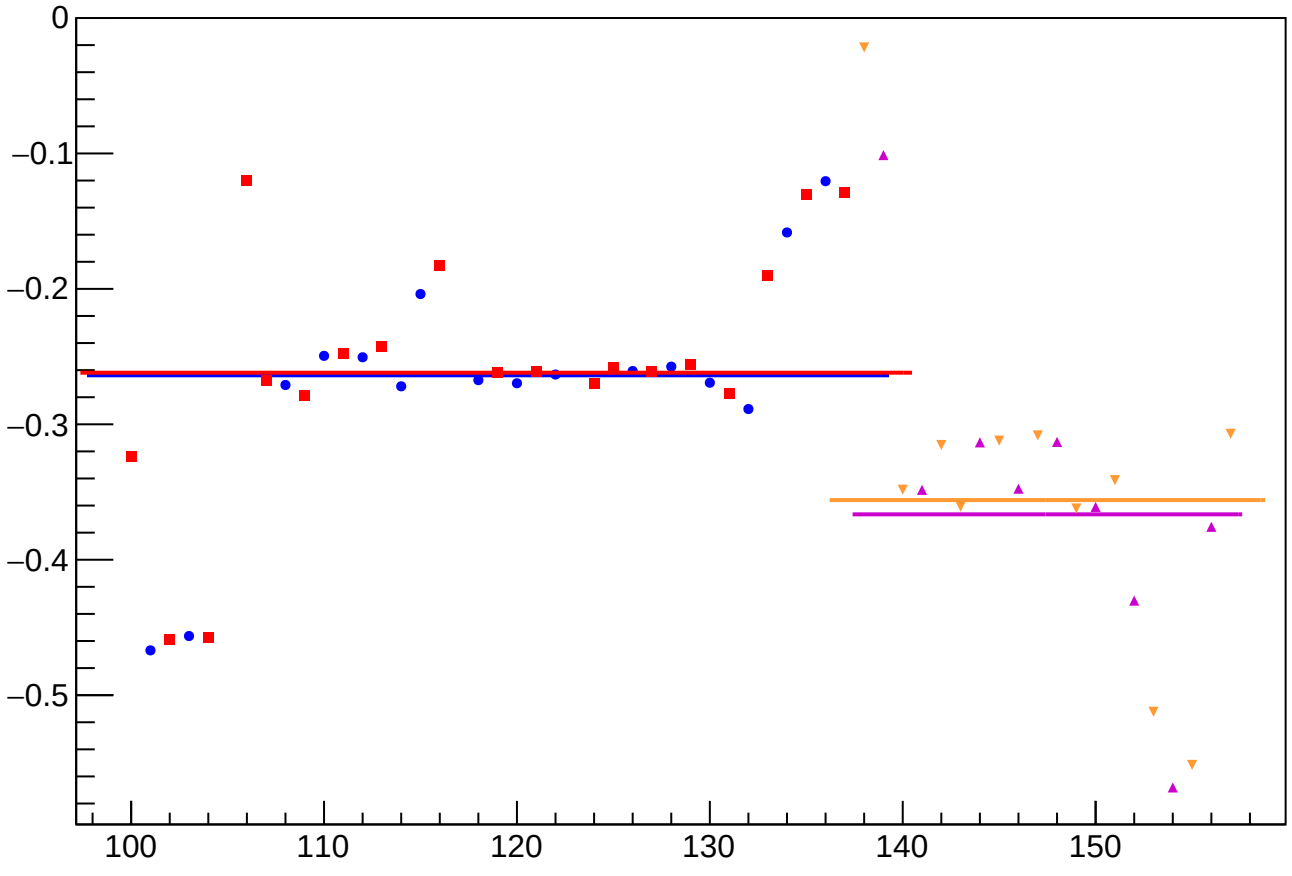
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:49019.4/8

+ sign 0.011+/-0.000 χ^2/NDF: 267040.2/26

All: 0.011+/-0.000 χ^2/NDF: 519976.6/54

- sign 0.011+/-0.000 χ^2/NDF: 250021.7/27



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.356+/-0.000 χ^2/NDF:11123882438.9/10

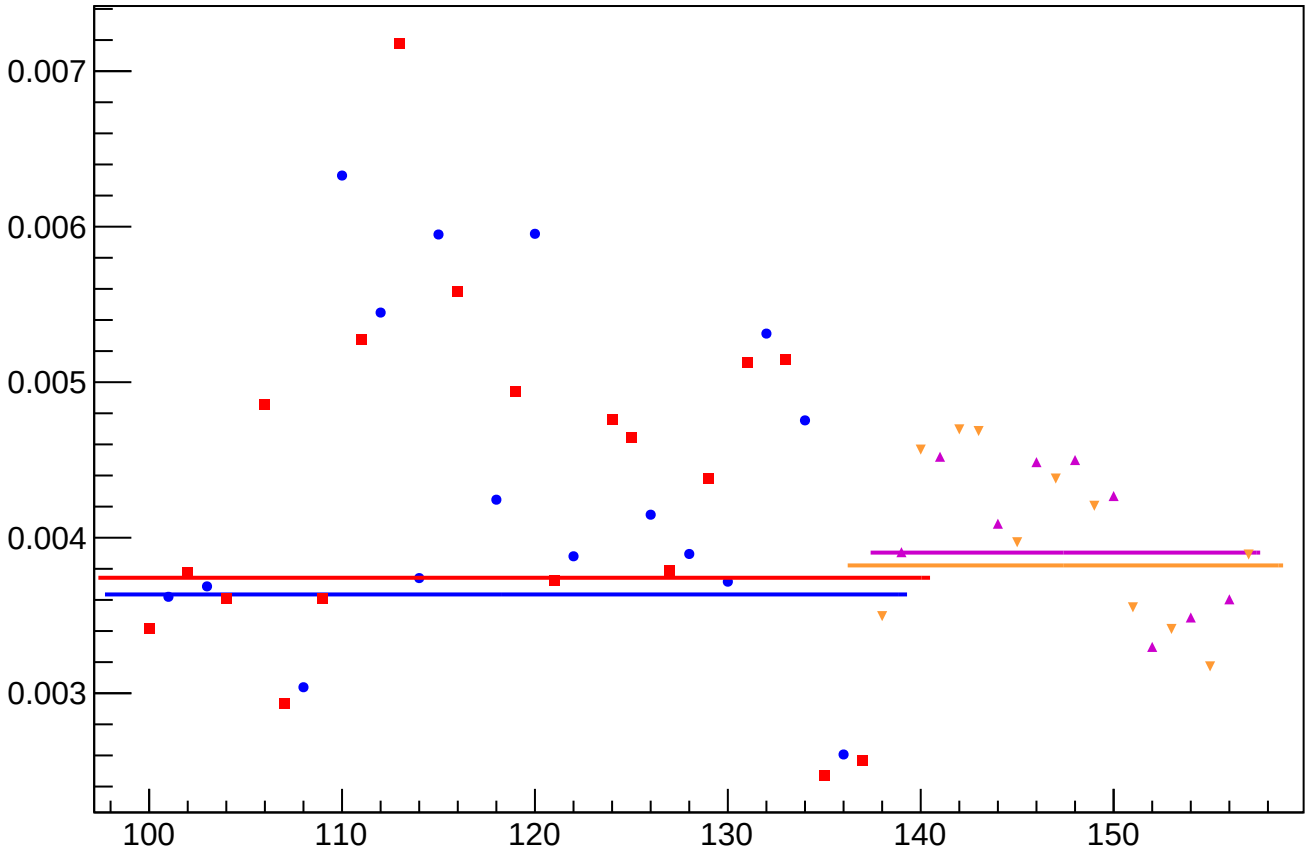
Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.366+/-0.000 χ^2/NDF:6755807836.2/8

+ sign -0.314+/-0.000 χ^2/NDF: 19242880364.0/26

All: -0.315+/-0.000 χ^2/NDF: 33651545758.3/

- sign -0.315+/-0.000 χ^2/NDF: 14407684326.4/27



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:256844.6/10

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

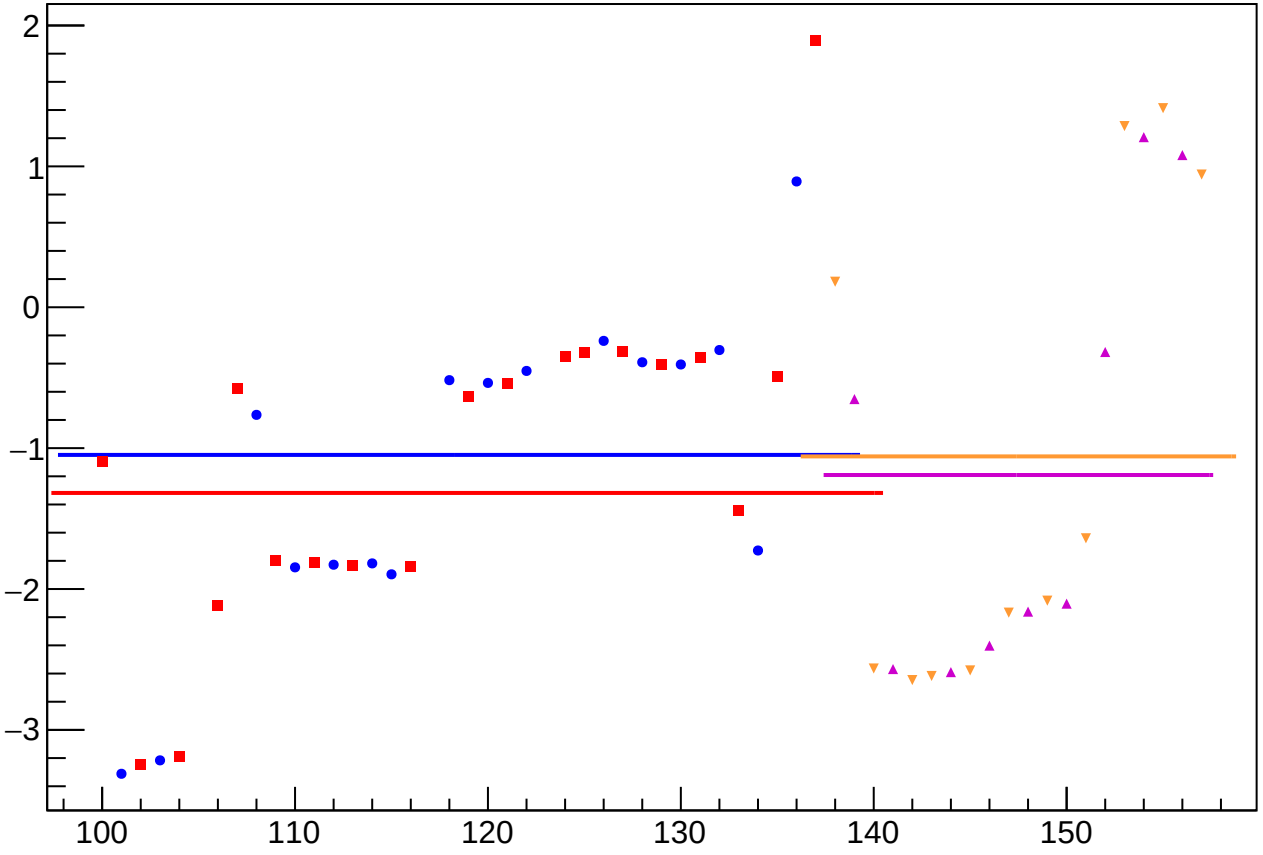
Left In: 0.004+/-0.000 χ^2/NDF:180429.5/8

+ sign 0.004+/-0.000 χ^2/NDF: 1001947.9/26

All: 0.004+/-0.000 χ^2/NDF: 2095232.3/54

- sign 0.004+/-0.000 χ^2/NDF: 1086107.7/27

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.059+/-0.000 χ^2/NDF:4008800456.9/10

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

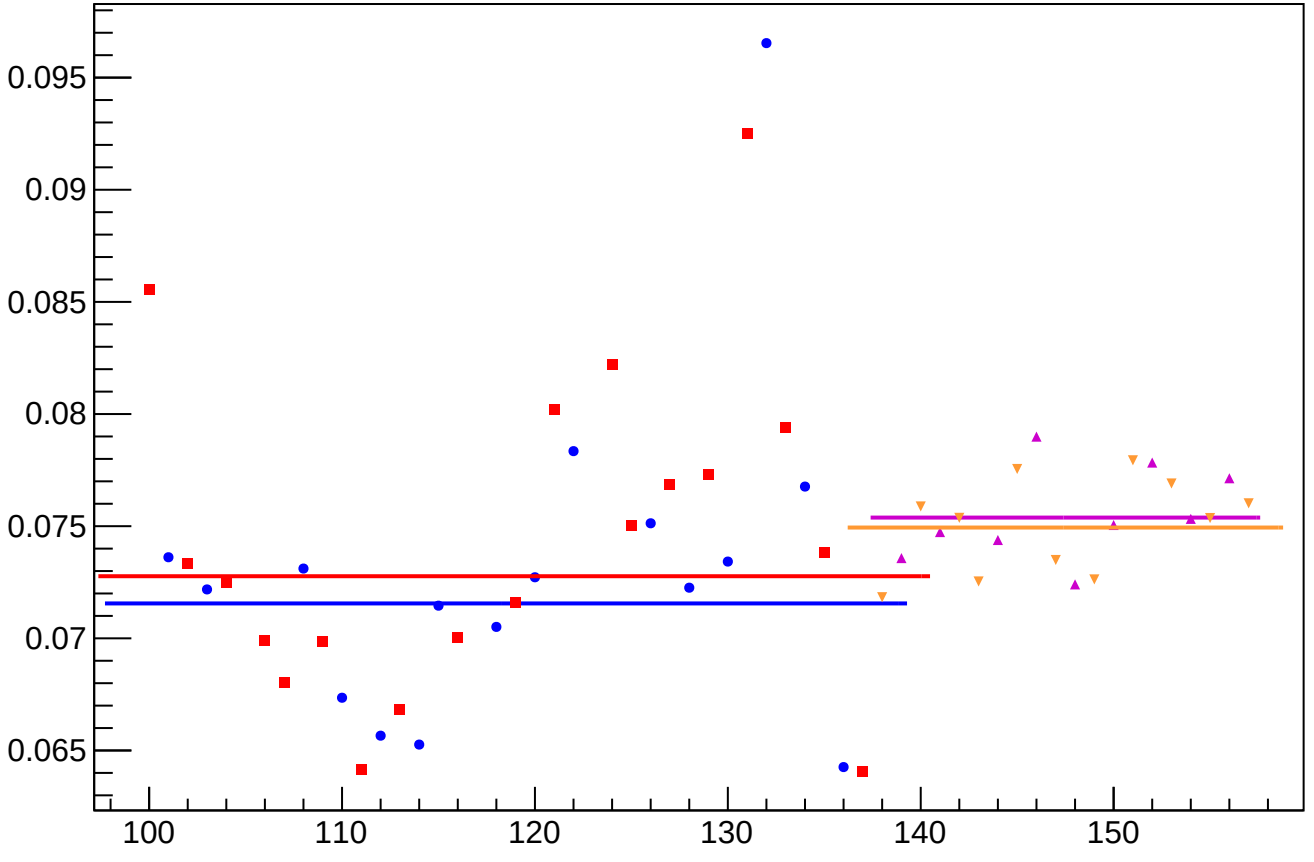
Left In: -1.191+/-0.000 χ^2/NDF:2810748540.0/8

+ sign -1.054+/-0.000 χ^2/NDF: 6355902187.0/26

All: -1.151+/-0.000 χ^2/NDF: 11082343921.8/

- sign -1.255+/-0.000 χ^2/NDF: 4669733732.1/27

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12882.9/10

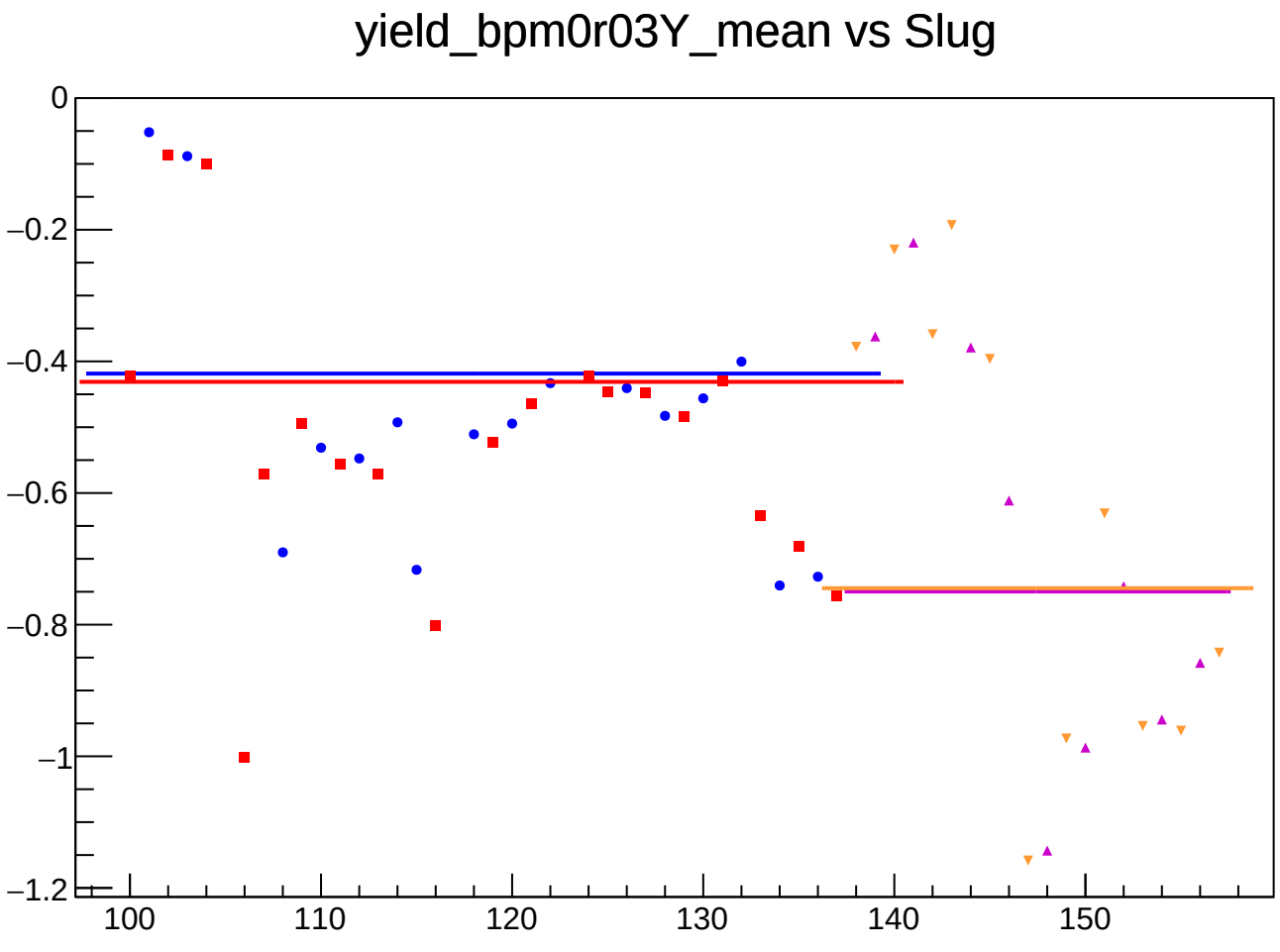
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:10213.1/8

+ sign 0.073+/-0.000 χ^2/NDF: 130573.7/26

All: 0.074+/-0.000 χ^2/NDF: 248410.3/54

- sign 0.074+/-0.000 χ^2/NDF: 116350.6/27



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.745+/-0.000 χ^2/NDF:12973673709.2/10

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

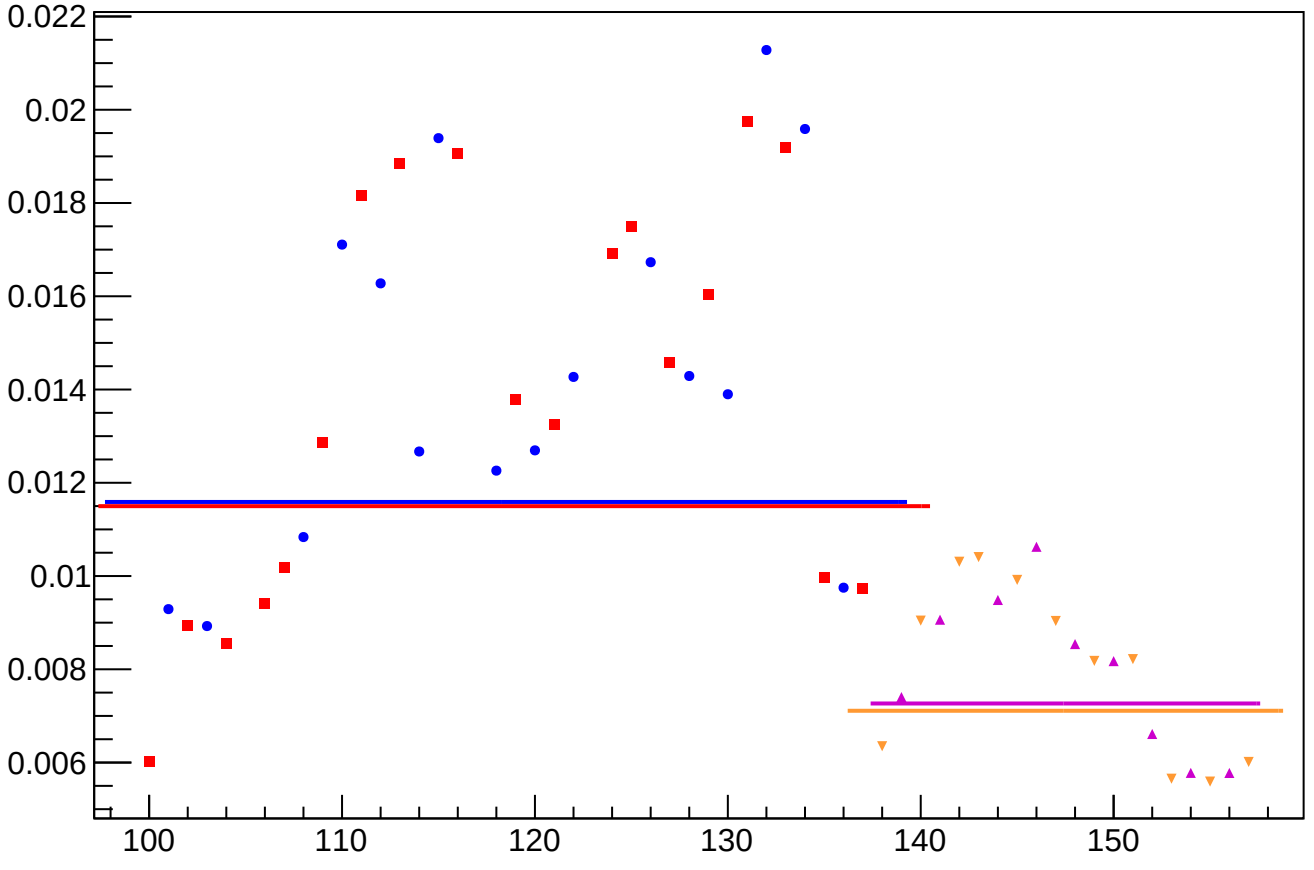
Left In: -0.750+/-0.000 χ^2/NDF:9775798911.9/8

+ sign -0.670+/-0.000 χ^2/NDF: 19686487563.0/26

All: -0.669+/-0.000 χ^2/NDF: 36079026595.5/

- sign -0.667+/-0.000 χ^2/NDF: 16391859520.0/27

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:825109.9/10

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

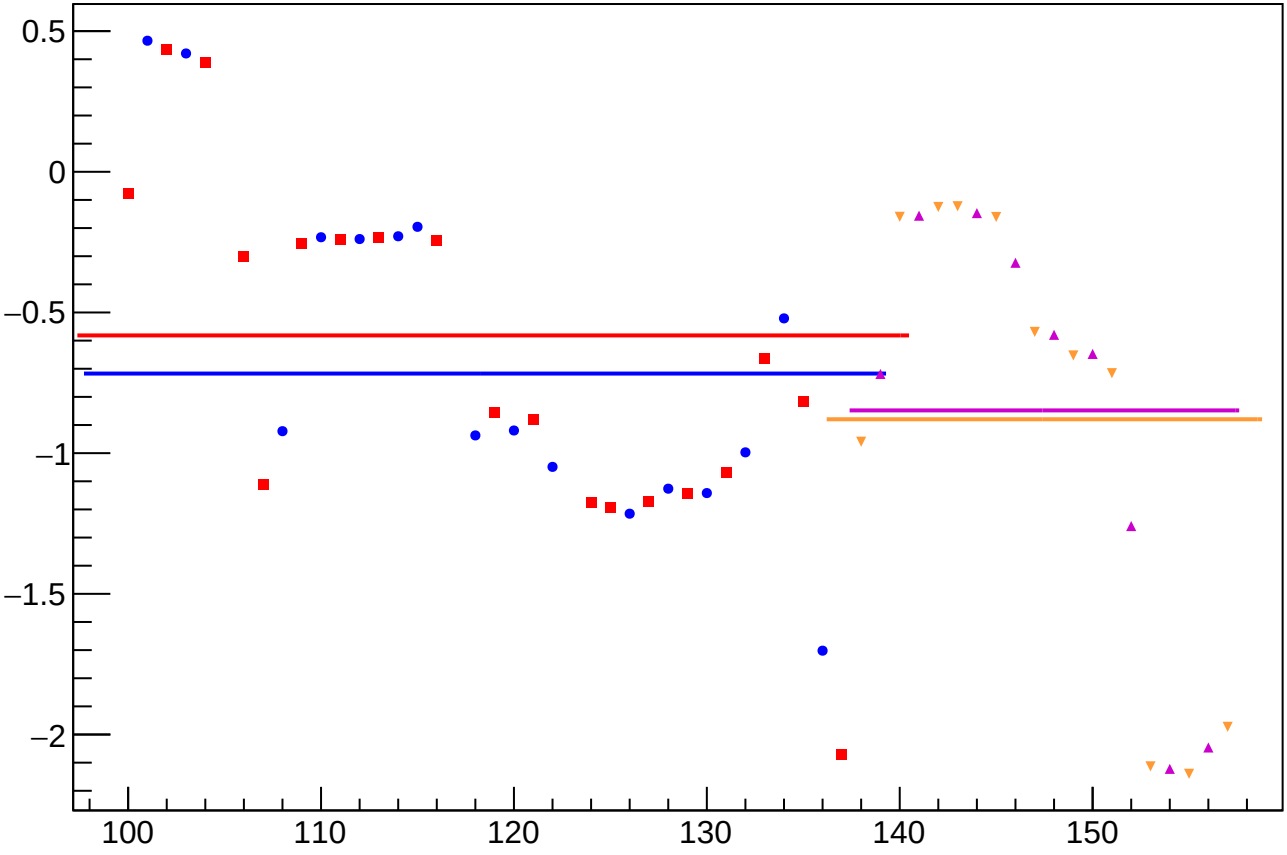
Left In: 0.007+/-0.000 χ^2/NDF:590729.4/8

+ sign 0.008+/-0.000 χ^2/NDF: 2984932.5/26

All: 0.008+/-0.000 χ^2/NDF: 5957083.2/54

- sign 0.008+/-0.000 χ^2/NDF: 2962782.3/27

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.880+/-0.000 χ^2/NDF:697667900.7/10

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

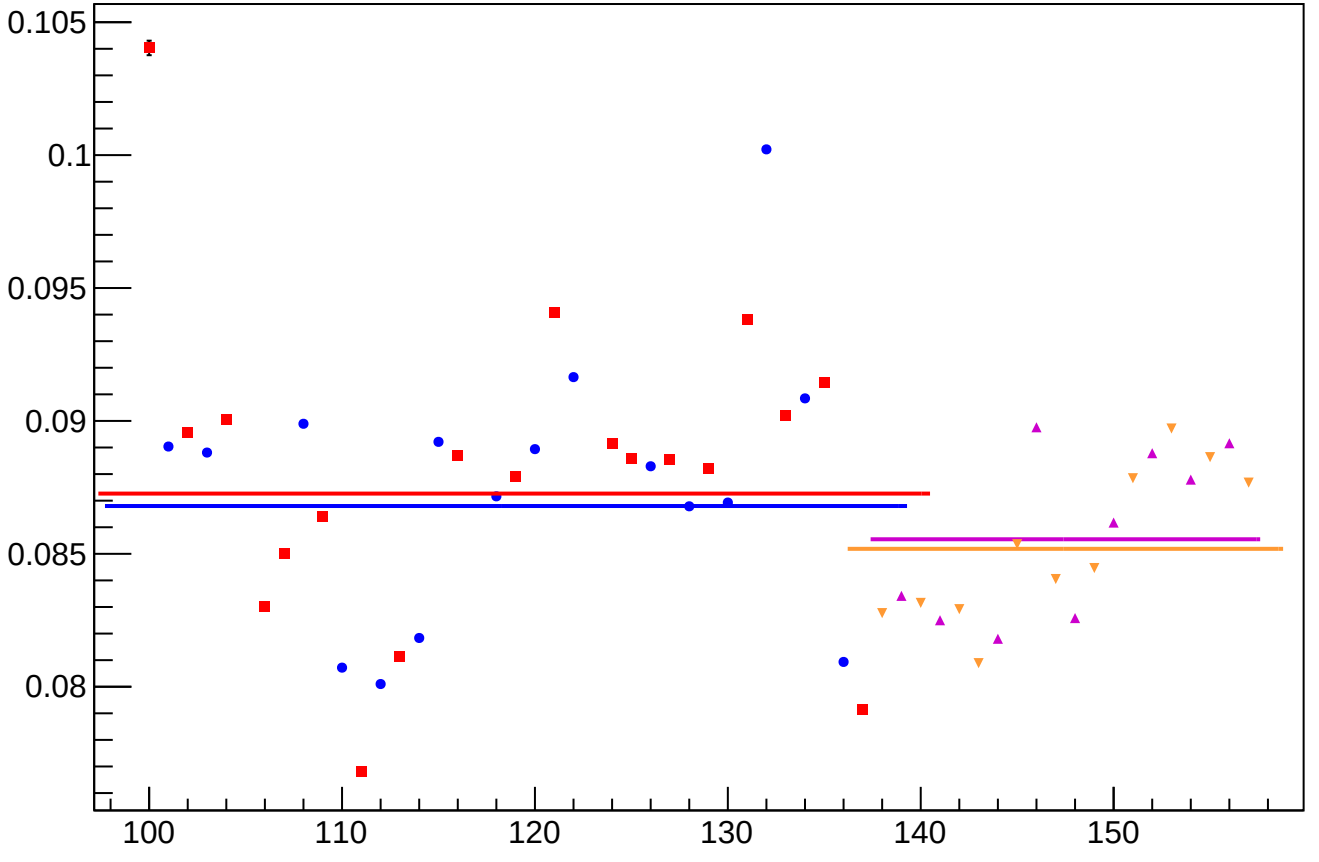
Left In: -0.848+/-0.000 χ^2/NDF:521975238.6/8

+ sign -0.807+/-0.000 χ^2/NDF: 1149036223.0/26

All: -0.765+/-0.000 χ^2/NDF: 2057088092.9/5

- sign -0.720+/-0.000 χ^2/NDF: 900122841.9/27

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:17489.8/10

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

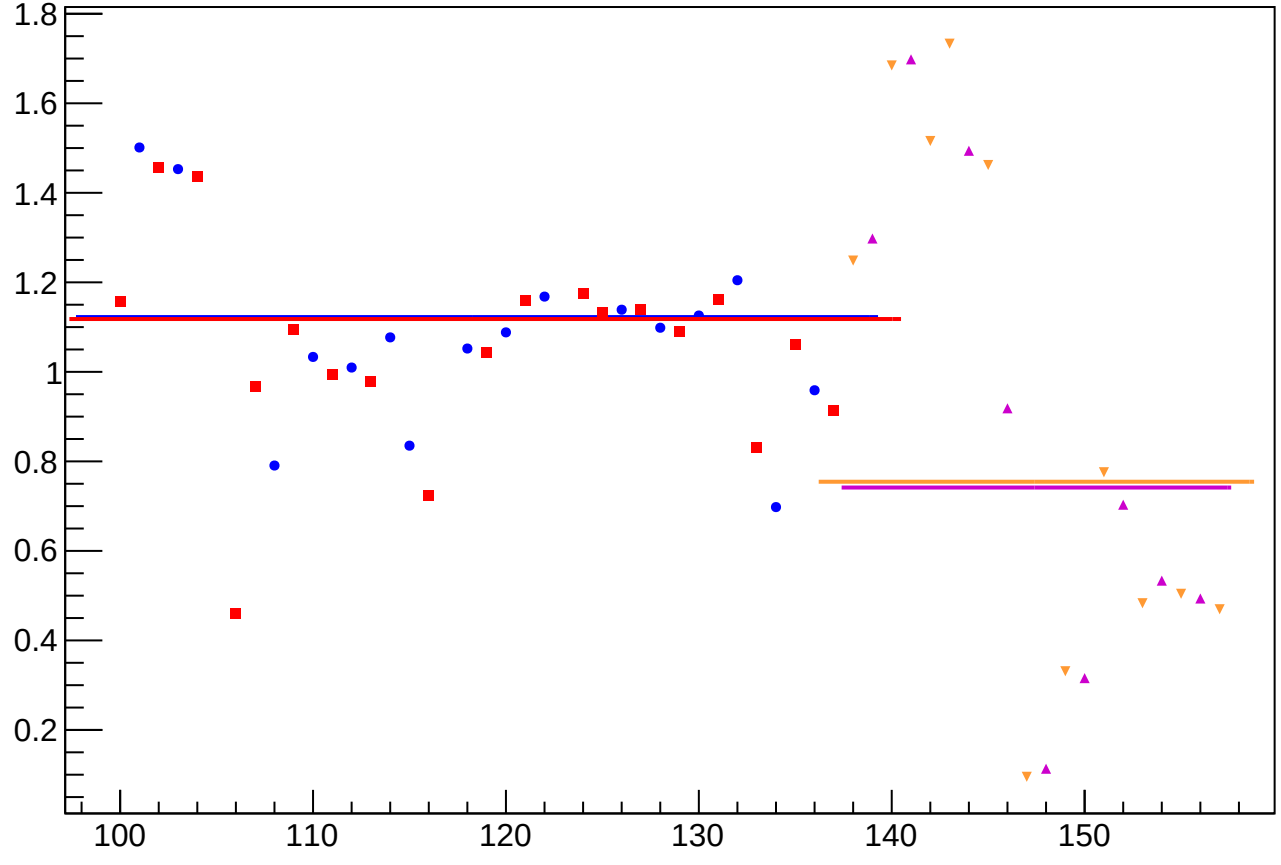
Left In: 0.086+/-0.000 χ^2/NDF:19392.8/8

+ sign 0.086+/-0.000 χ^2/NDF: 63806.9/26

All: 0.086+/-0.000 χ^2/NDF: 132821.8/54

- sign 0.086+/-0.000 χ^2/NDF: 68557.4/27

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.755+/-0.000 χ^2/NDF:25123179069.6/10

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

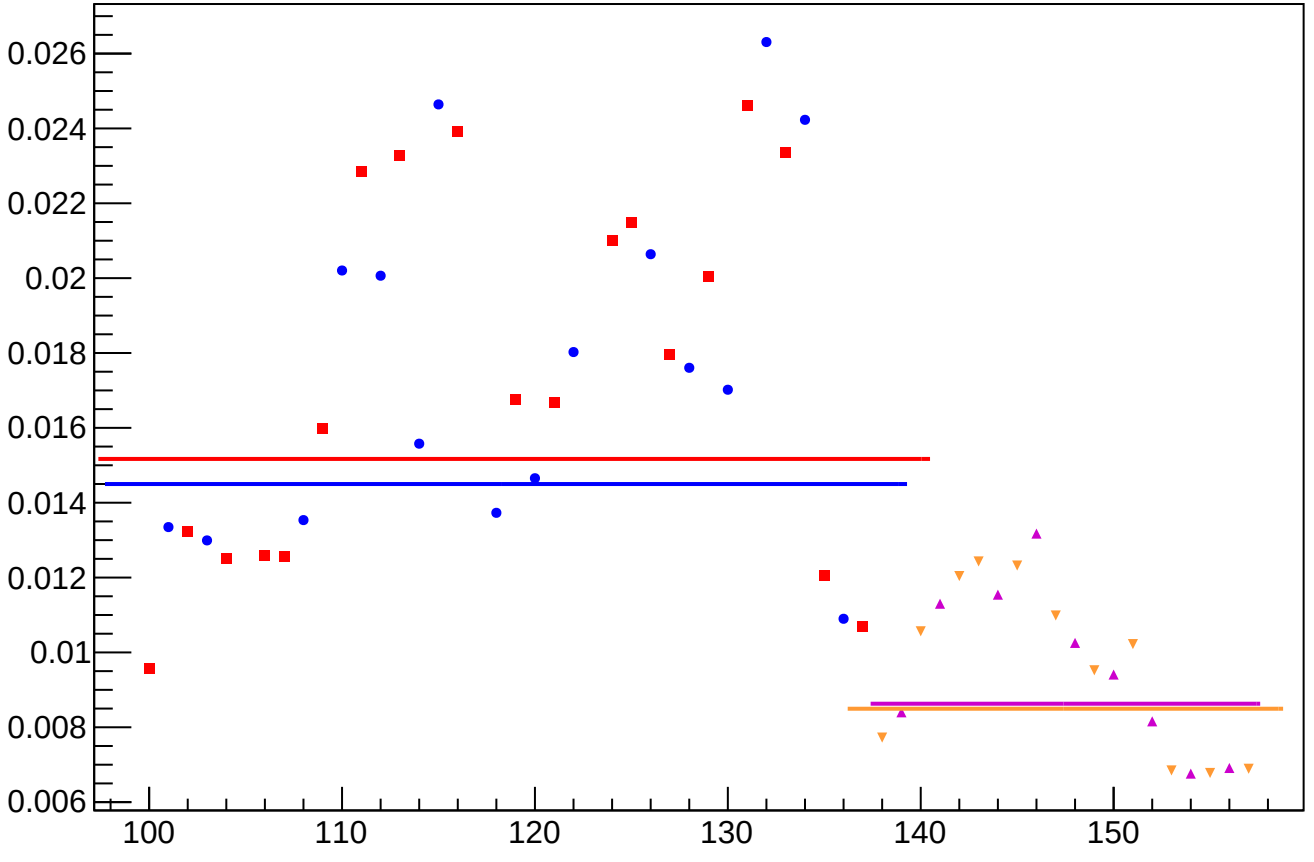
Left In: 0.742+/-0.000 χ^2/NDF:19265455062.2/8

+ sign 0.832+/-0.000 χ^2/NDF: 29612920449.4/26

All: 0.829+/-0.000 χ^2/NDF: 53389735484.2/5

- sign 0.825+/-0.000 χ^2/NDF: 23774060782.6/27

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:853162.3/10

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

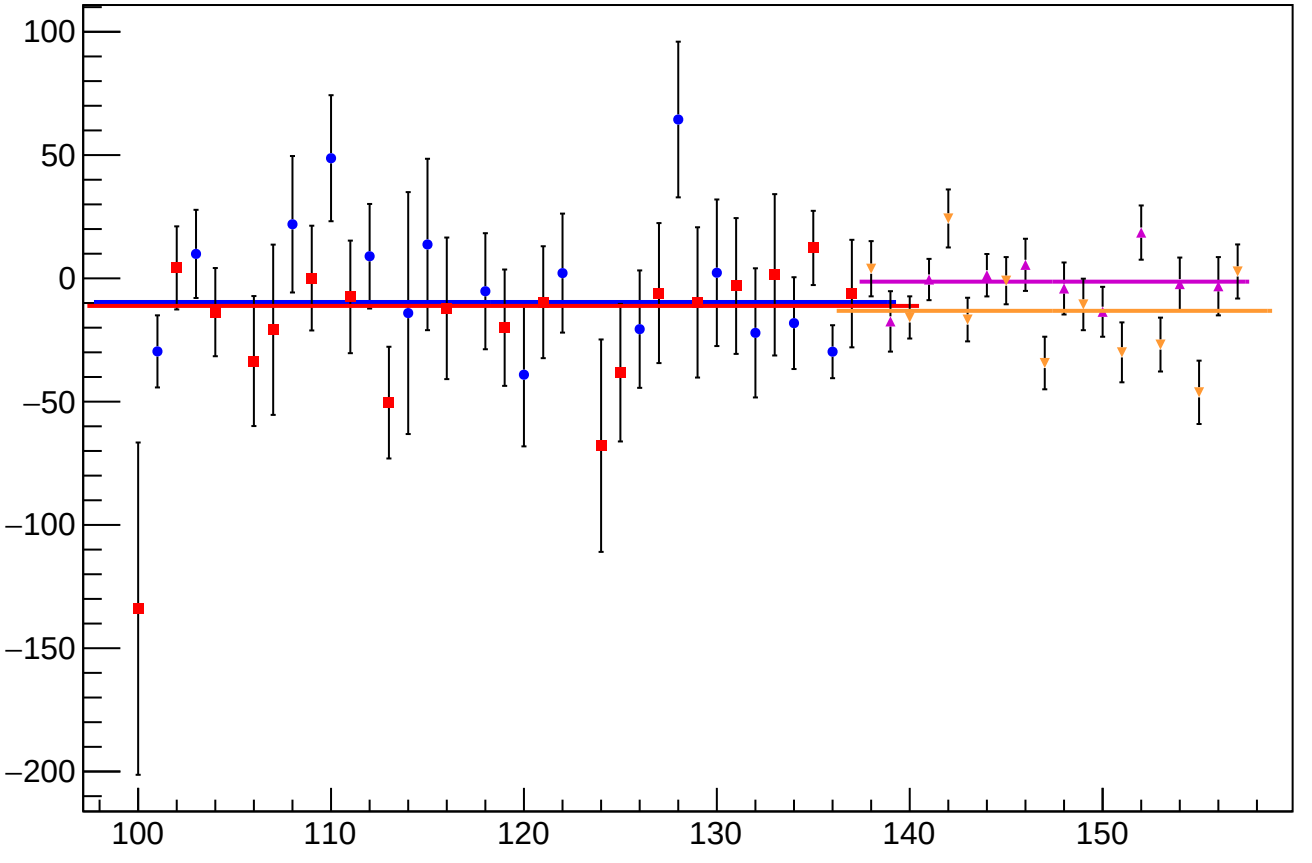
Left In: 0.009+/-0.000 χ^2/NDF:659224.3/8

+ sign 0.010+/-0.000 χ^2/NDF: 3180490.3/26

All: 0.010+/-0.000 χ^2/NDF: 6491177.8/54

- sign 0.010+/-0.000 χ^2/NDF: 3297153.1/27

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.170+/-3.162 χ^2/NDF:30.6/10

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

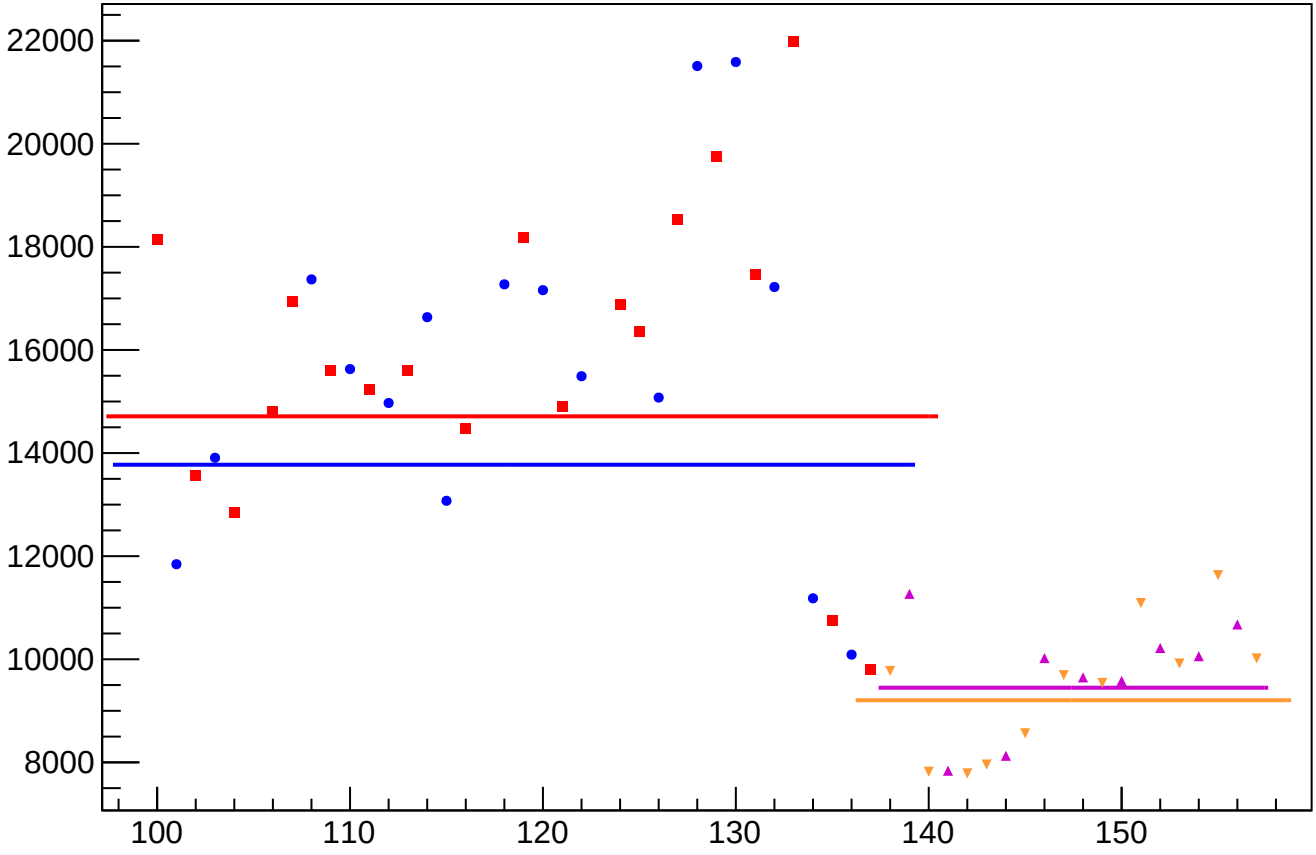
Left In: -1.337+/-3.406 χ^2/NDF:7.1/8

+ sign -12.226+/-2.714 χ^2/NDF: 52.8/26

All: -8.409+/-1.980 χ^2/NDF: 80.3/54

- sign -4.067+/-2.895 χ^2/NDF: 23.3/27

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9204.843+/-2.236 χ^2/NDF:280713.1/10

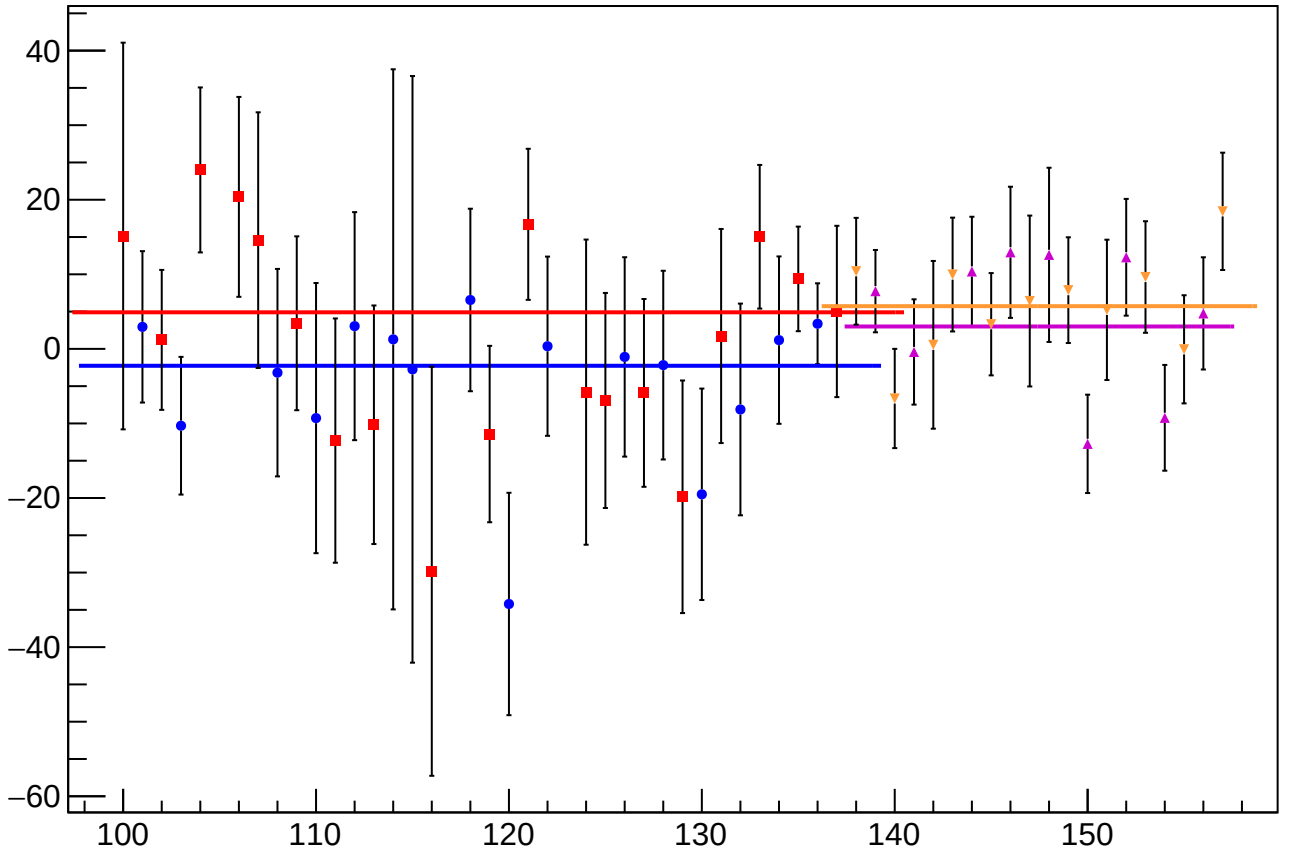
Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9448.140+/-2.408 χ^2/NDF:210079.6/8

+ sign 10407.375+/-1.919 χ^2/NDF: 2127333.8/26

All: 10641.711+/-1.400 χ^2/NDF: 4251837.8/5

- sign 10908.344+/-2.047 χ^2/NDF: 2092633.8/27



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.726+/-2.355 χ^2/NDF:8.2/10

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

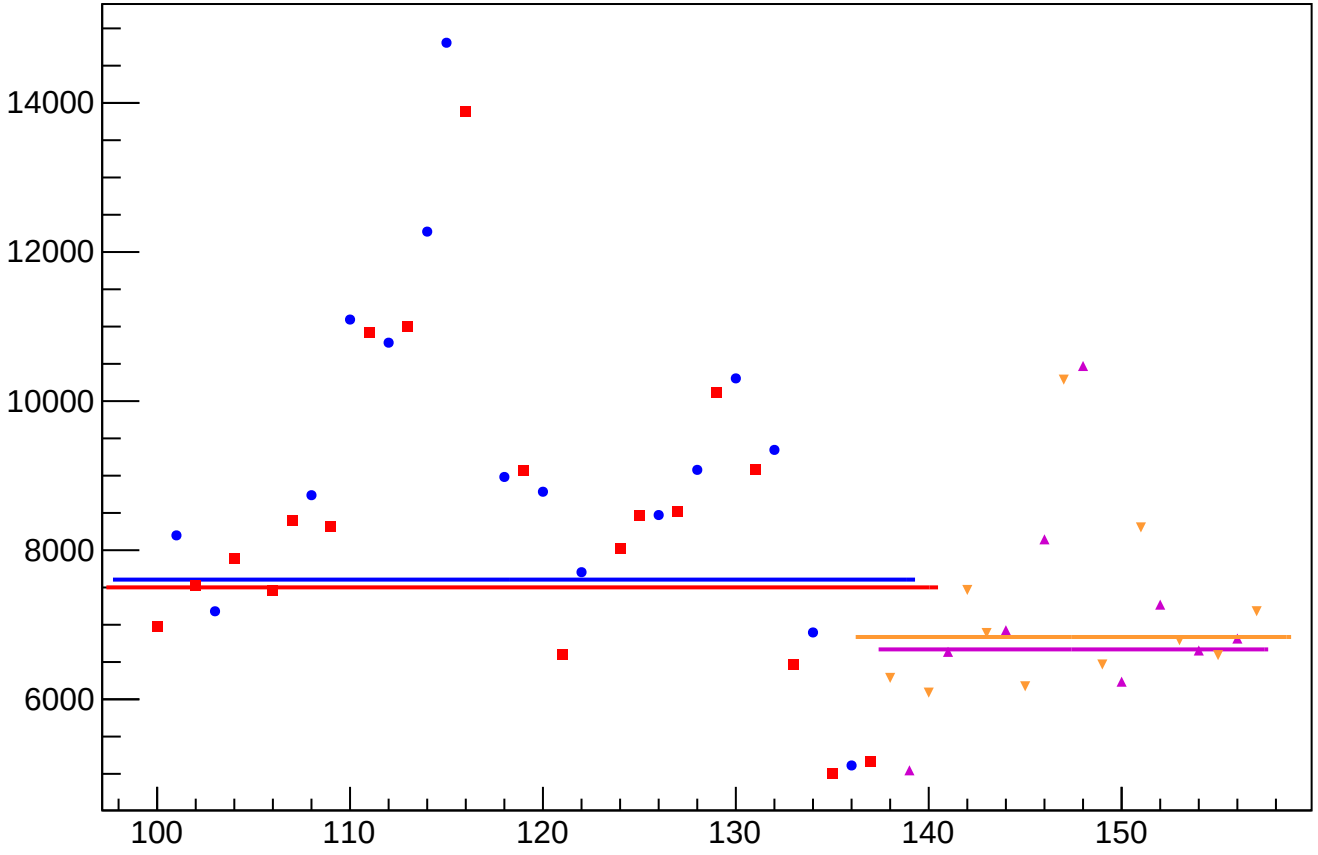
Left In: 3.003+/-2.436 χ^2/NDF:14.1/8

+ sign 2.578+/-1.834 χ^2/NDF: 22.0/26

All: 3.190+/-1.302 χ^2/NDF: 54.1/54

- sign 3.810+/-1.848 χ^2/NDF: 31.9/27

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6835.891+/-1.665 χ^2/NDF:303854.1/10

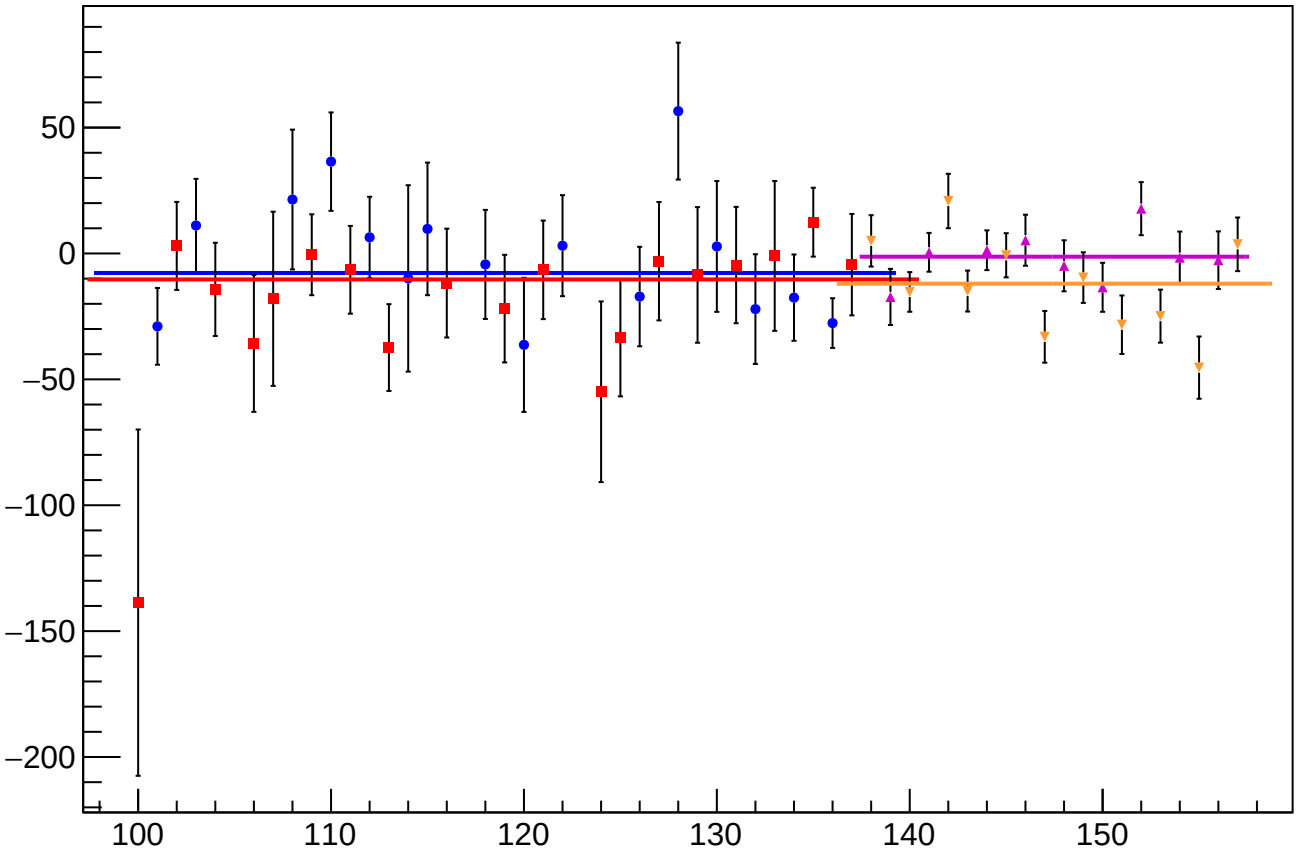
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6669.421+/-1.722 χ^2/NDF:464460.5/8

+ sign 7139.071+/-1.297 χ^2/NDF: 1279490.3/26

All: 7081.320+/-0.920 χ^2/NDF: 2670590.5/54

- sign 7022.681+/-1.307 χ^2/NDF: 1387102.4/27



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.998+/-2.967 χ^2/NDF:31.2/10

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

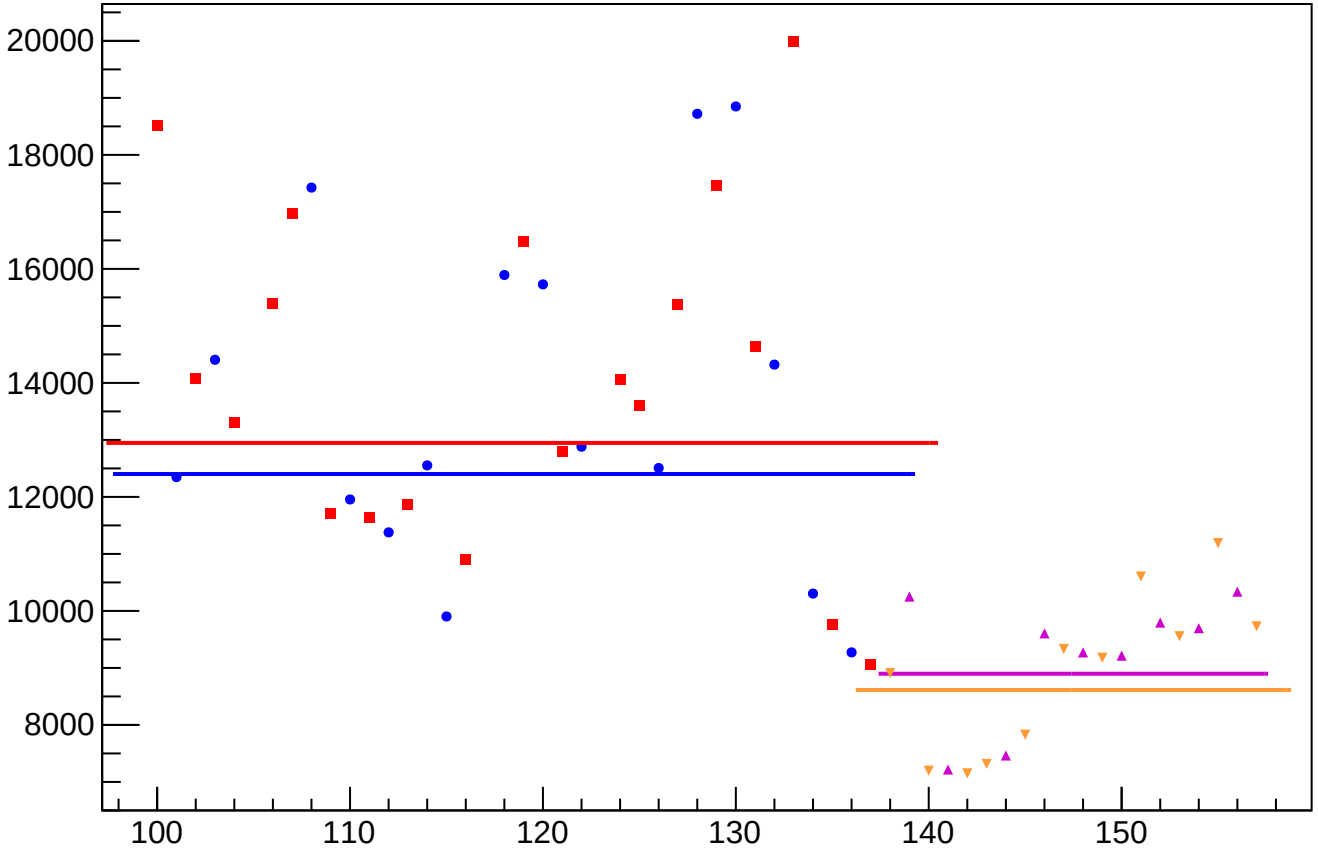
Left In: -1.284+/-3.213 χ^2/NDF:7.6/8

+ sign -10.802+/-2.516 χ^2/NDF: 54.4/26

All: -7.632+/-1.833 χ^2/NDF: 81.7/54

- sign -4.044+/-2.677 χ^2/NDF: 23.9/27

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8613.595+/-2.098 χ^2/NDF:369680.4/10

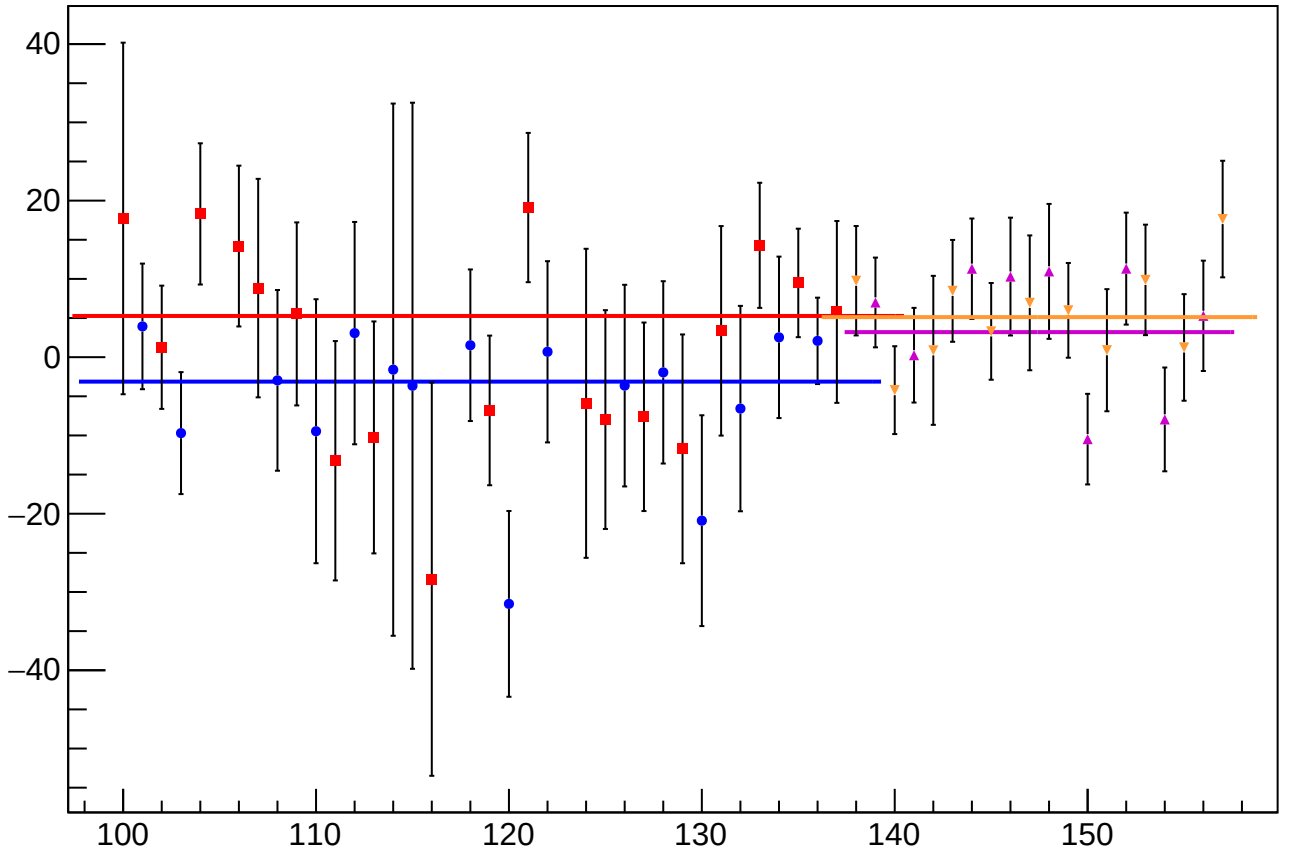
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8898.347+/-2.272 χ^2/NDF:263082.1/8

+ sign 9677.493+/-1.779 χ^2/NDF: 1963494.5/26

All: 9893.031+/-1.296 χ^2/NDF: 3784645.5/54

- sign 10136.943+/-1.893 χ^2/NDF: 1789870.7/27



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 5.118+/-2.085 χ^2/NDF:7.7/10

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

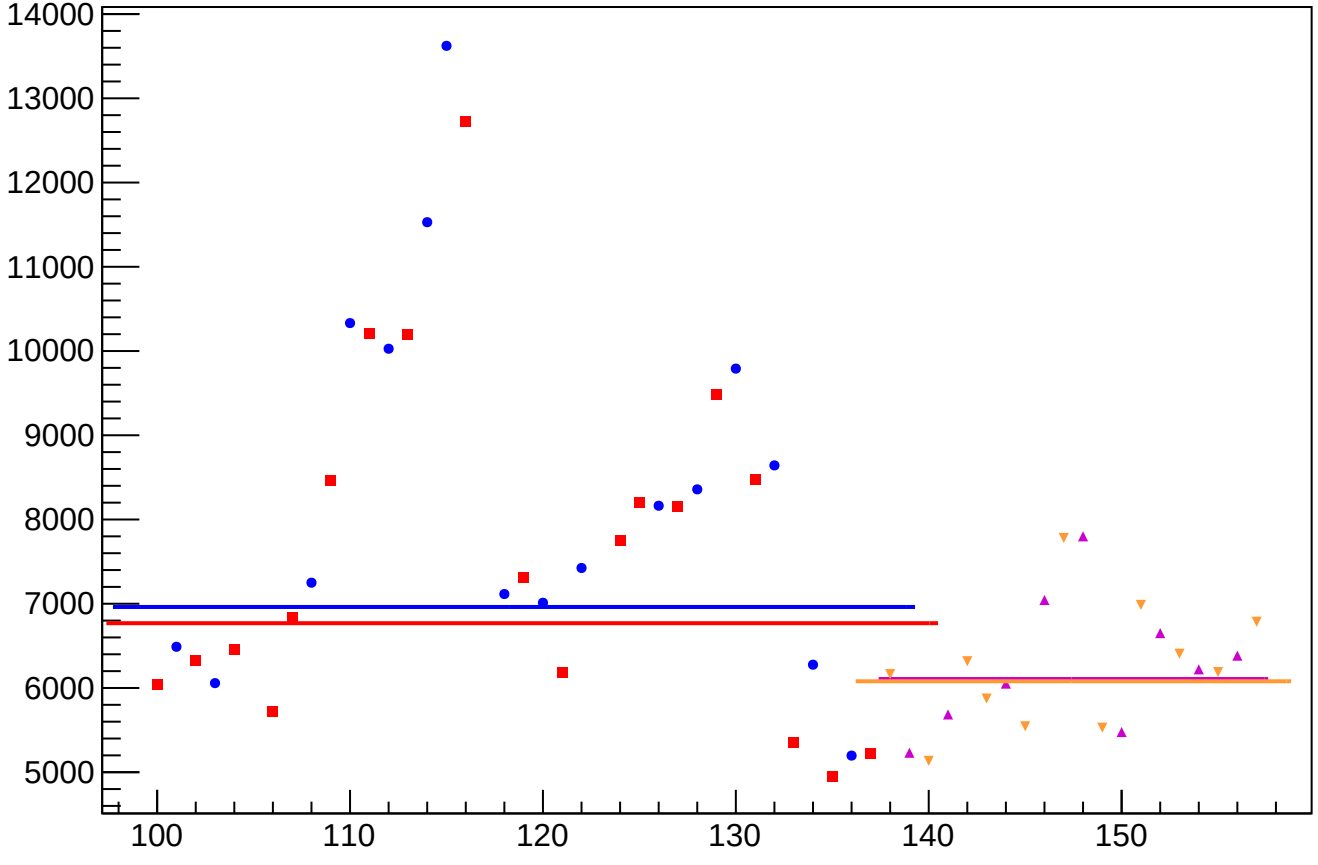
Left In: 3.201+/-2.206 χ^2/NDF:13.8/8

+ sign 1.975+/-1.640 χ^2/NDF: 24.6/26

All: 3.010+/-1.170 χ^2/NDF: 56.4/54

- sign 4.083+/-1.669 χ^2/NDF: 31.0/27

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6079.364+/-1.475 χ^2/NDF:219663.9/10

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

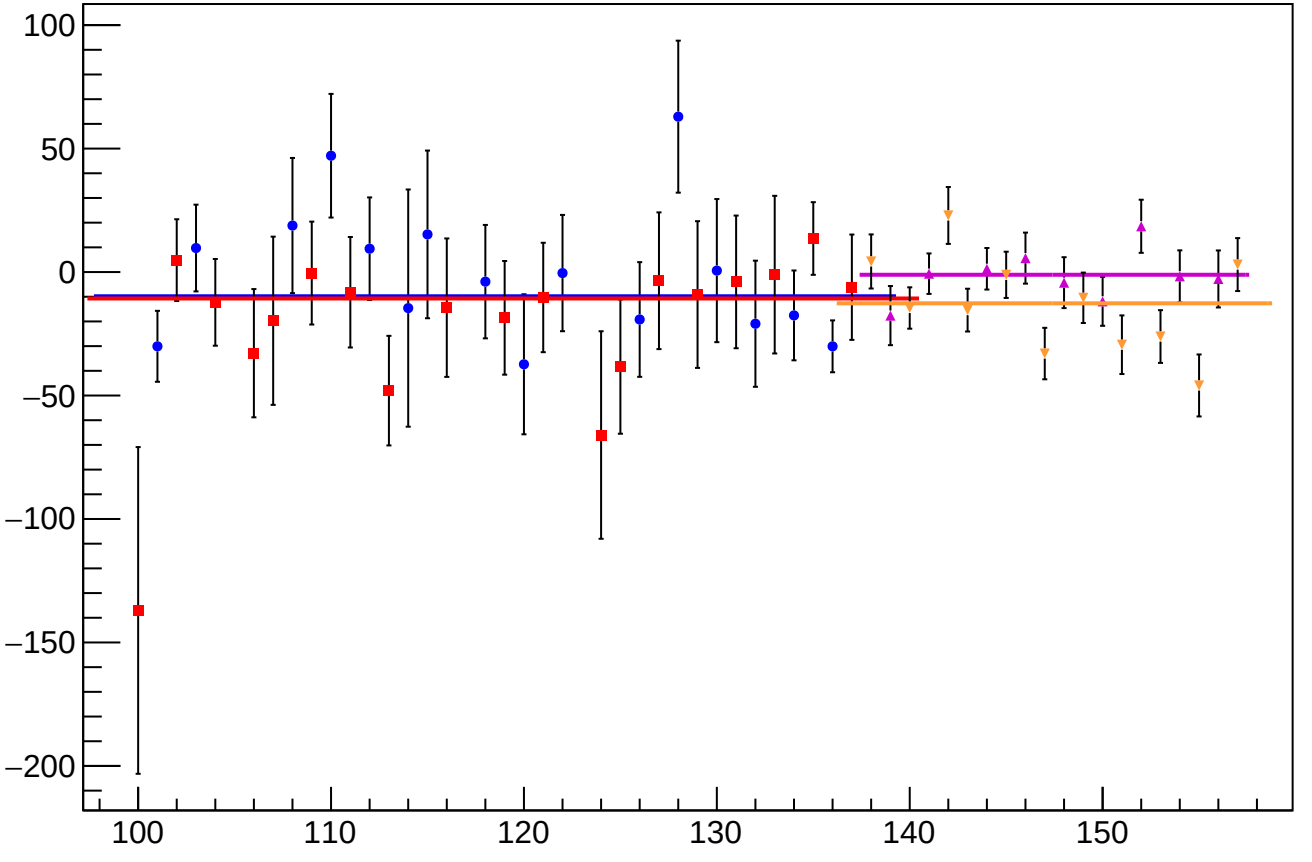
Left In: 6106.250+/-1.560 χ^2/NDF:203703.3/8

+ sign 6415.863+/-1.160 χ^2/NDF: 1052613.8/26

All: 6402.949+/-0.827 χ^2/NDF: 2131832.2/54

- sign 6389.571+/-1.180 χ^2/NDF: 1078965.9/27

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.662+/-3.092 χ^2/NDF:30.2/10

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

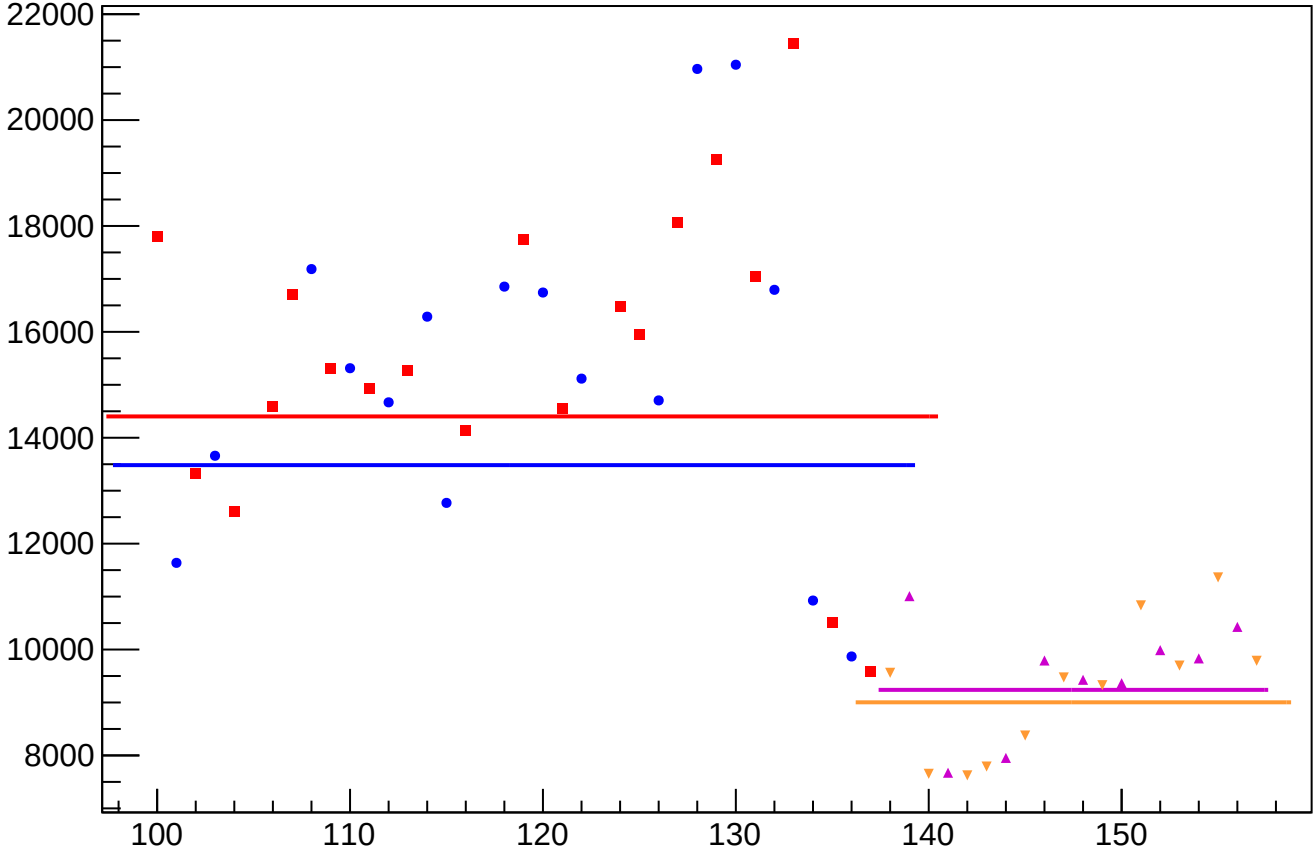
Left In: -1.101+/-3.330 χ^2/NDF:7.1/8

+ sign -11.912+/-2.655 χ^2/NDF: 52.5/26

All: -8.098+/-1.937 χ^2/NDF: 80.6/54

- sign -3.760+/-2.831 χ^2/NDF: 23.7/27

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 9003.128+/-2.187 χ^2/NDF:277566.2/10

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

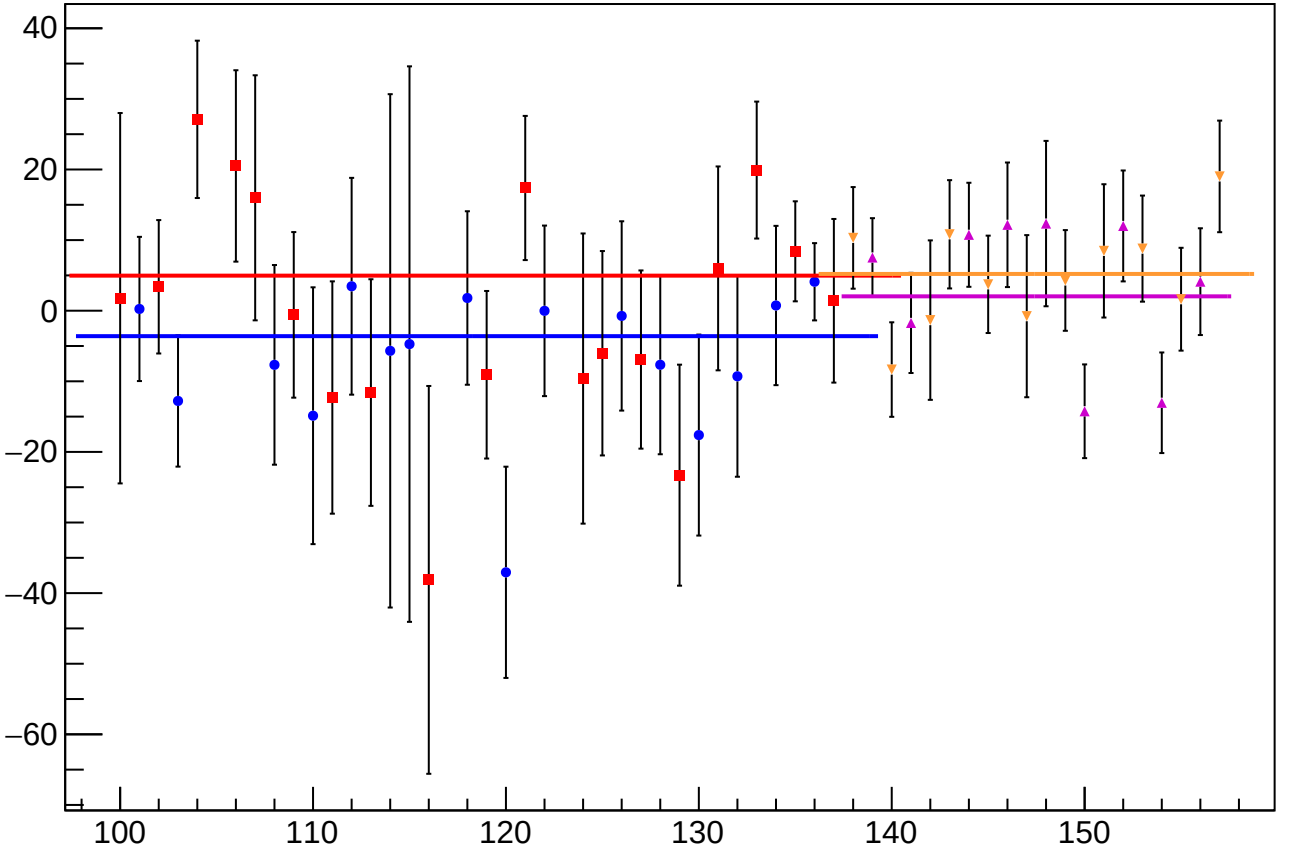
Left In: 9238.267+/-2.355 χ^2/NDF:207433.1/8

+ sign 10180.774+/-1.877 χ^2/NDF: 2124689.8/26

All: 10408.931+/-1.369 χ^2/NDF: 4248391.4/5

- sign 10668.449+/-2.002 χ^2/NDF: 2092130.0/27

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 5.206+/-2.367 χ^2/NDF:9.4/10

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

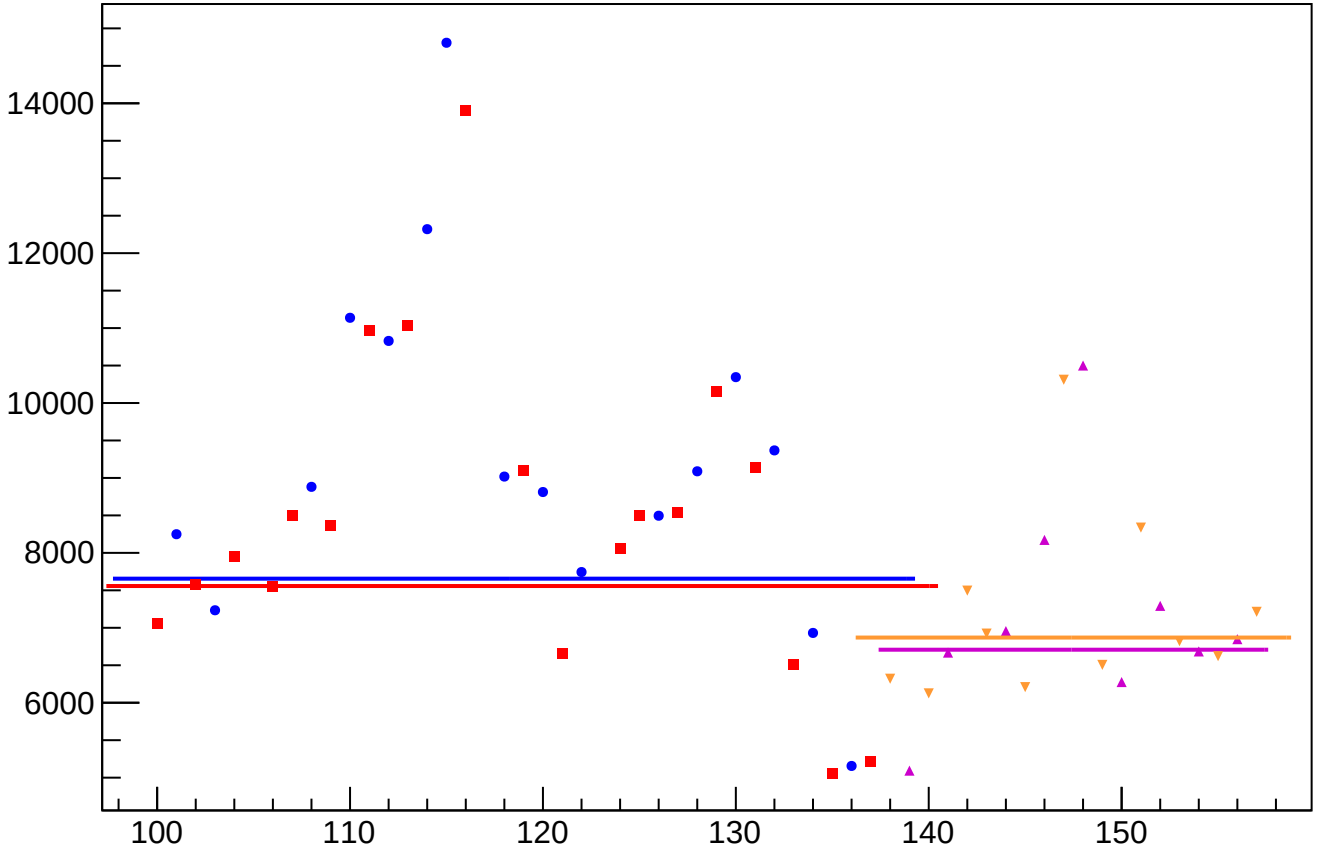
Left In: 2.034+/-2.449 χ^2/NDF:16.9/8

+ sign 1.742+/-1.843 χ^2/NDF: 25.4/26

All: 2.503+/-1.309 χ^2/NDF: 64.6/54

- sign 3.276+/-1.859 χ^2/NDF: 38.9/27

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6869.793+/-1.673 χ^2/NDF:300491.4/10

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

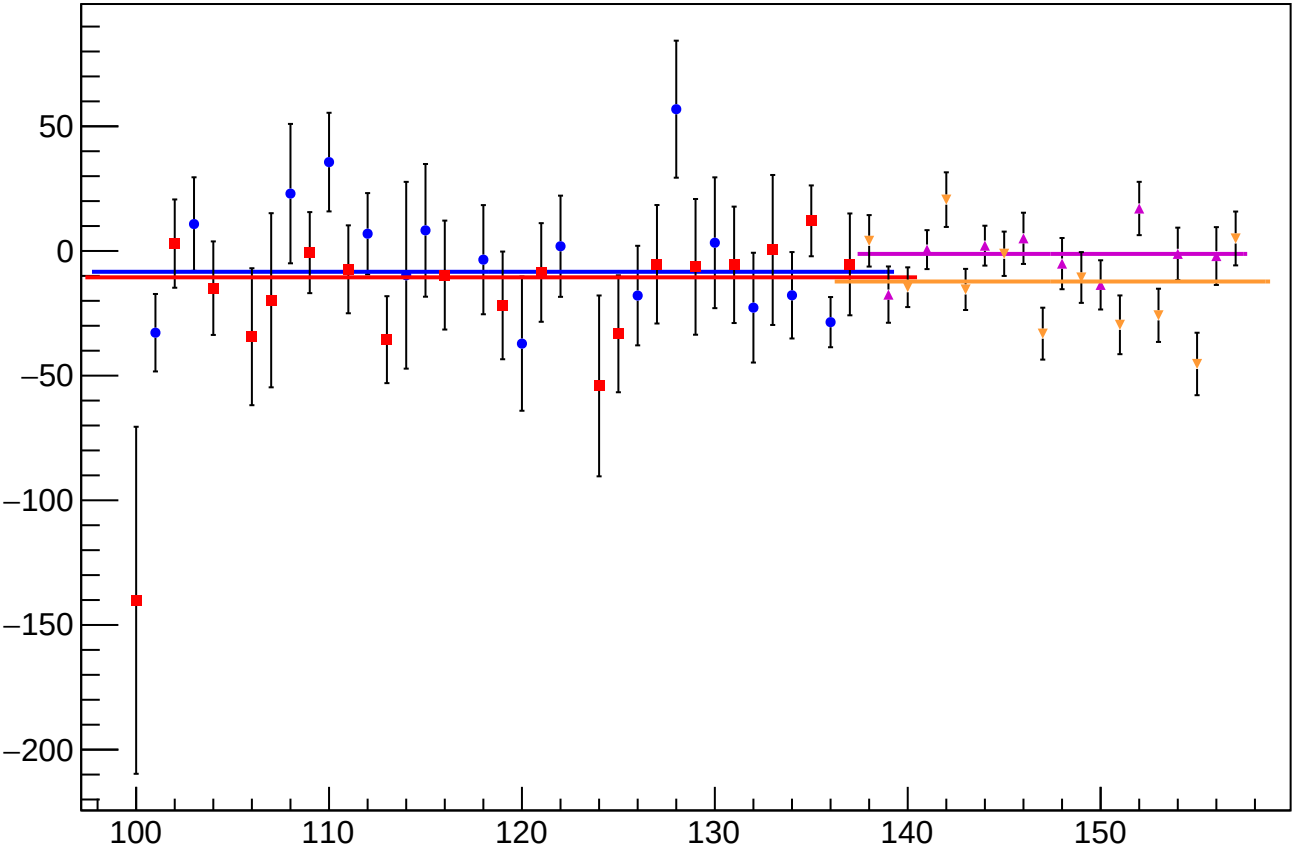
Left In: 6707.571+/-1.732 χ^2/NDF:455486.1/8

+ sign 7178.858+/-1.304 χ^2/NDF: 1267020.9/26

All: 7123.767+/-0.926 χ^2/NDF: 2638072.1/54

- sign 7067.755+/-1.314 χ^2/NDF: 1367449.0/27

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.246+/-3.007 χ^2/NDF:30.6/10

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

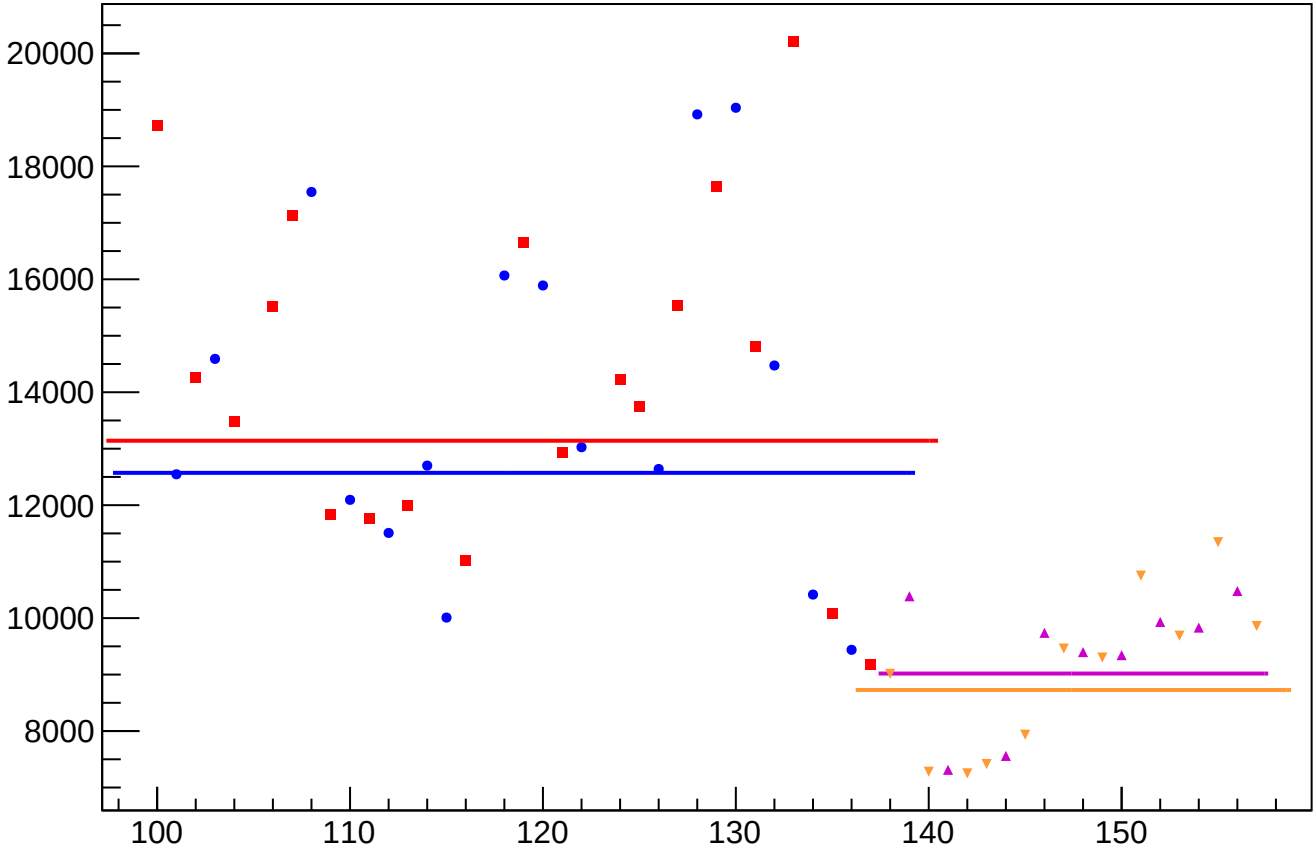
Left In: -1.179+/-3.256 χ^2/NDF:7.3/8

+ sign -11.153+/-2.550 χ^2/NDF: 54.4/26

All: -7.822+/-1.858 χ^2/NDF: 80.8/54

- sign -4.048+/-2.714 χ^2/NDF: 22.8/27

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8727.391+/-2.126 χ^2/NDF:371235.4/10

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

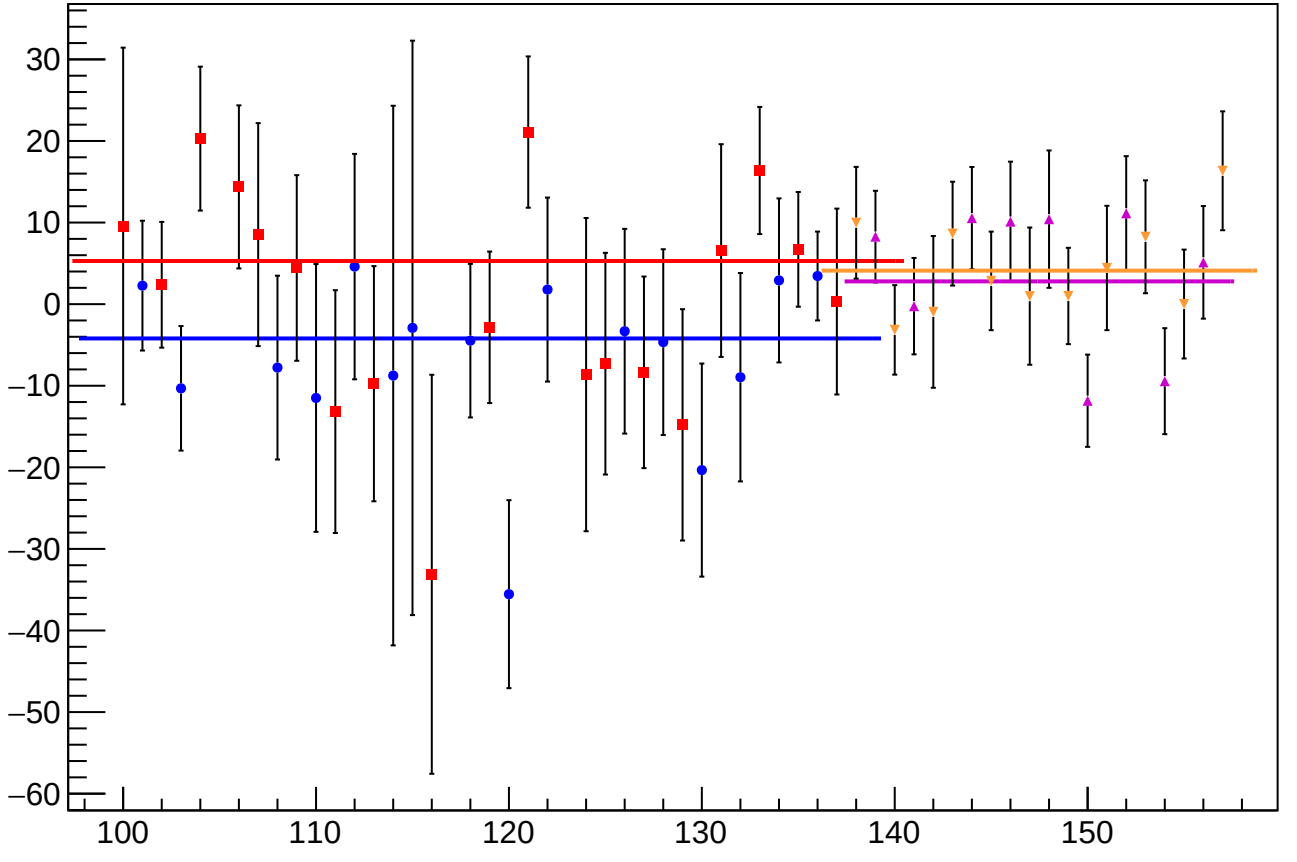
Left In: 9018.528+/-2.303 χ^2/NDF:264215.8/8

+ sign 9806.462+/-1.803 χ^2/NDF: 1954285.6/26

All: 10027.411+/-1.314 χ^2/NDF: 3764273.9/5

- sign 10277.683+/-1.919 χ^2/NDF: 1777966.2/27

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 4.109+/-2.039 χ^2/NDF:7.3/10

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

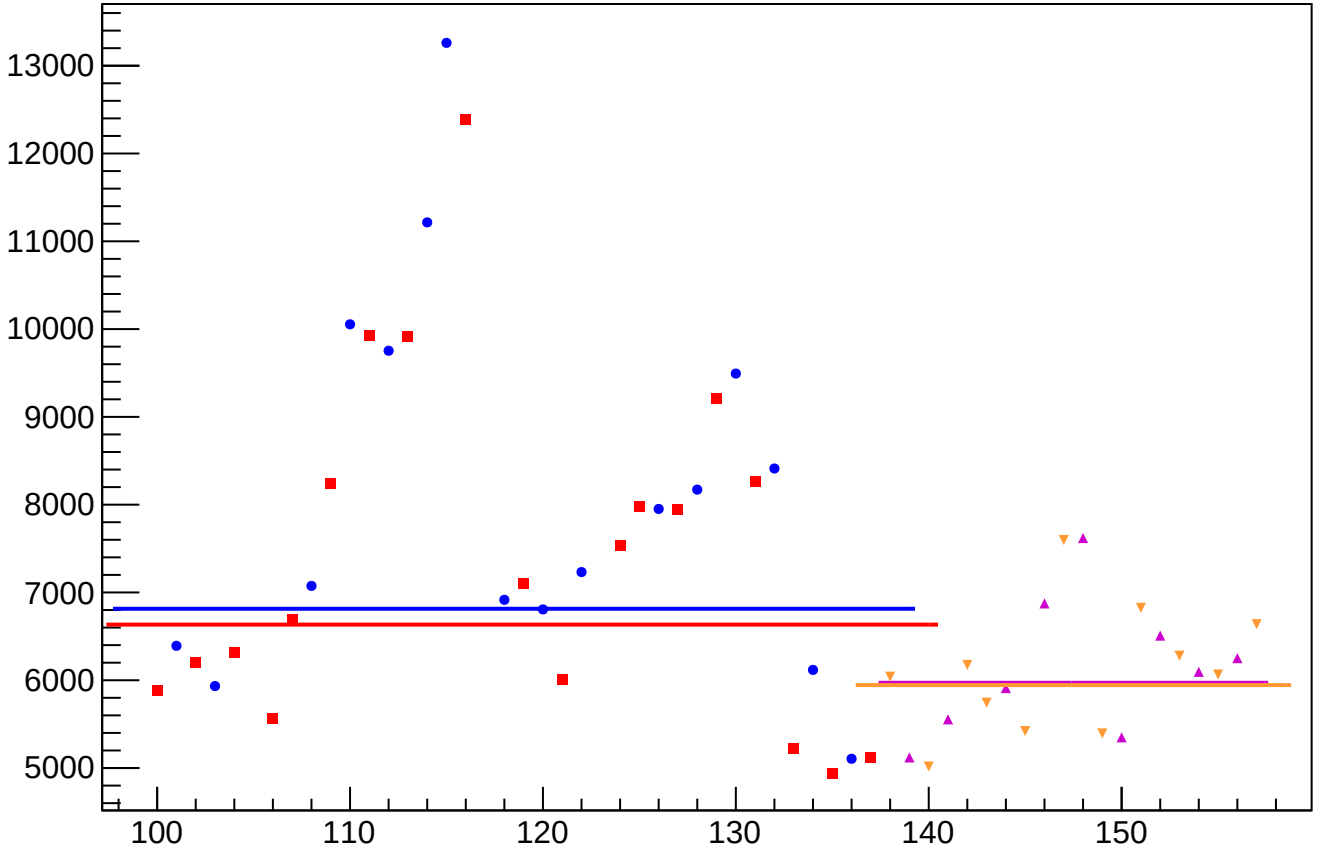
Left In: 2.791+/-2.157 χ^2/NDF:16.3/8

+ sign 0.943+/-1.605 χ^2/NDF: 27.5/26

All: 2.373+/-1.145 χ^2/NDF: 65.8/54

- sign 3.856+/-1.634 χ^2/NDF: 36.7/27

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5944.955+/-1.442 χ^2/NDF:220654.8/10

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

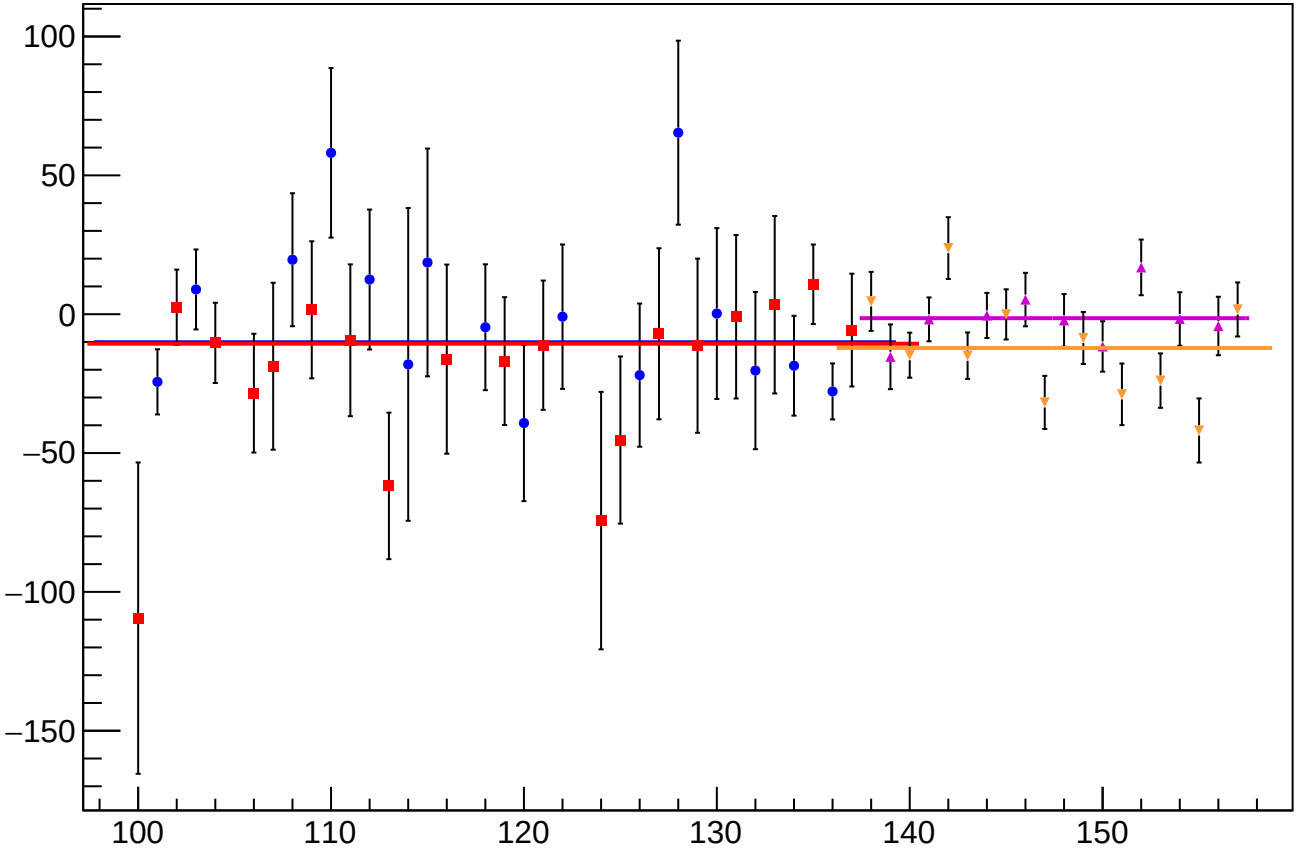
Left In: 5971.022+/-1.525 χ^2/NDF:202949.8/8

+ sign 6276.003+/-1.135 χ^2/NDF: 1033154.7/26

All: 6265.001+/-0.810 χ^2/NDF: 2080116.2/54

- sign 6253.596+/-1.155 χ^2/NDF: 1046770.0/27

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.157+/-2.915 χ^2/NDF:31.7/10

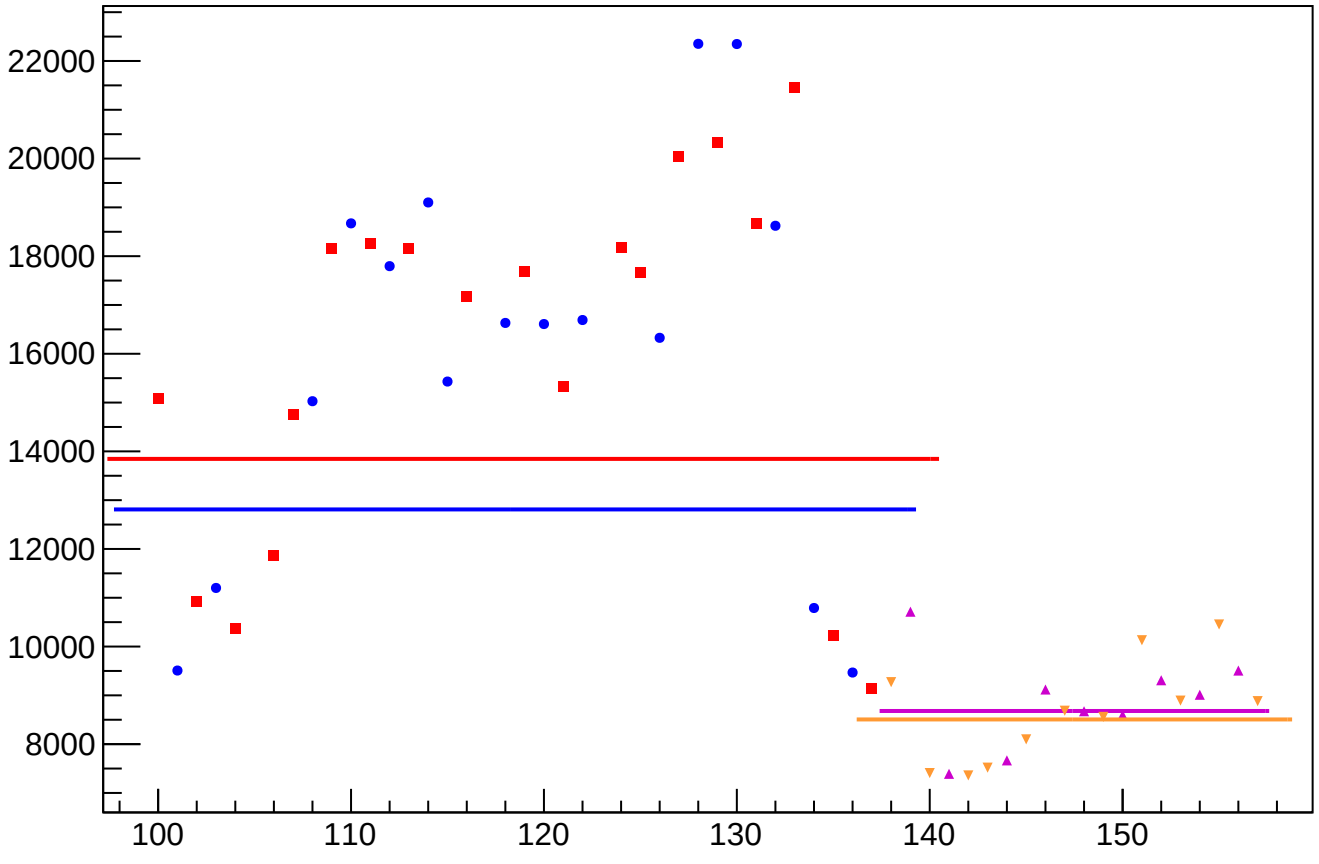
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.440+/-3.126 χ^2/NDF:6.6/8

+ sign -11.641+/-2.521 χ^2/NDF: 53.1/26

All: -7.986+/-1.839 χ^2/NDF: 81.1/54

- sign -3.825+/-2.689 χ^2/NDF: 23.6/27



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8506.109+/-2.061 χ^2/NDF:206845.3/10

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

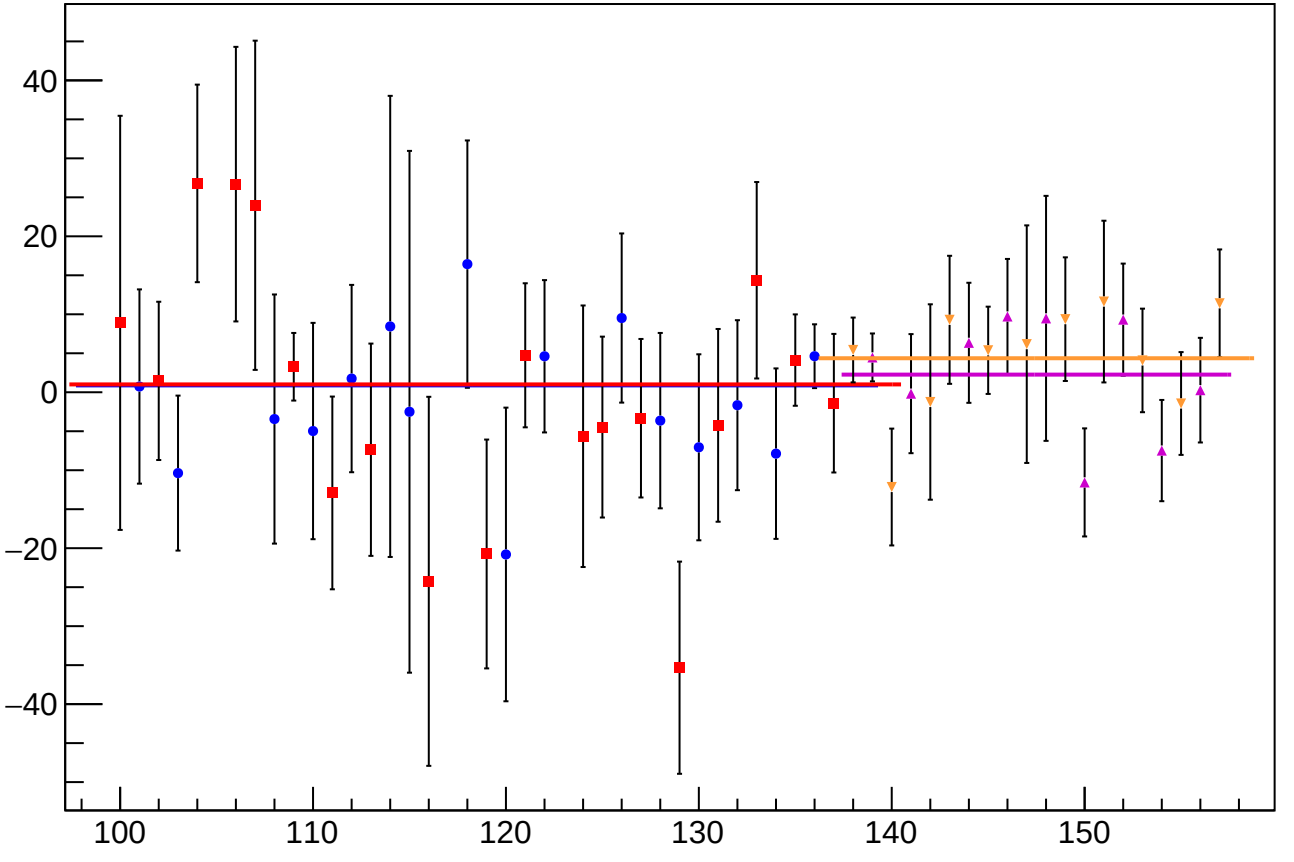
Left In: 8679.577+/-2.210 χ^2/NDF:172321.9/8

\+ sign 9592.410+/-1.782 χ^2/NDF: 2555333.4/26

All: 9793.031+/-1.300 χ^2/NDF: 5270398.6/54

\- sign 10021.384+/-1.902 χ^2/NDF: 2687974.8/27

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.362+/-2.108 χ^2/NDF:8.2/10

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

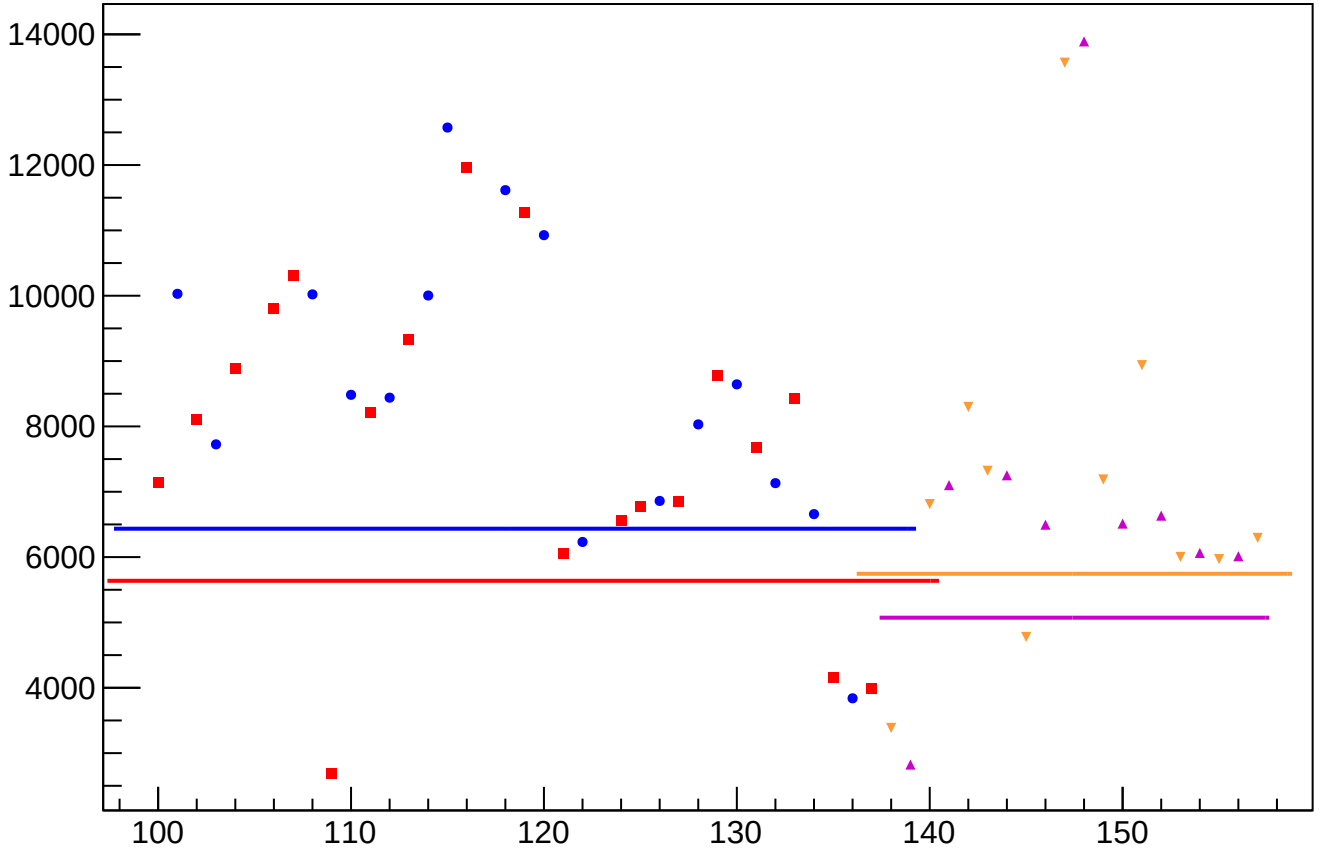
Left In: 2.263+/-2.006 χ^2/NDF:9.4/8

\+ sign 2.959+/-1.629 χ^2/NDF: 16.2/26

All: 2.297+/-1.110 χ^2/NDF: 48.4/54

\- sign 1.723+/-1.516 χ^2/NDF: 31.9/27

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5744.736+/-1.491 χ^2/NDF:1702514.7/10

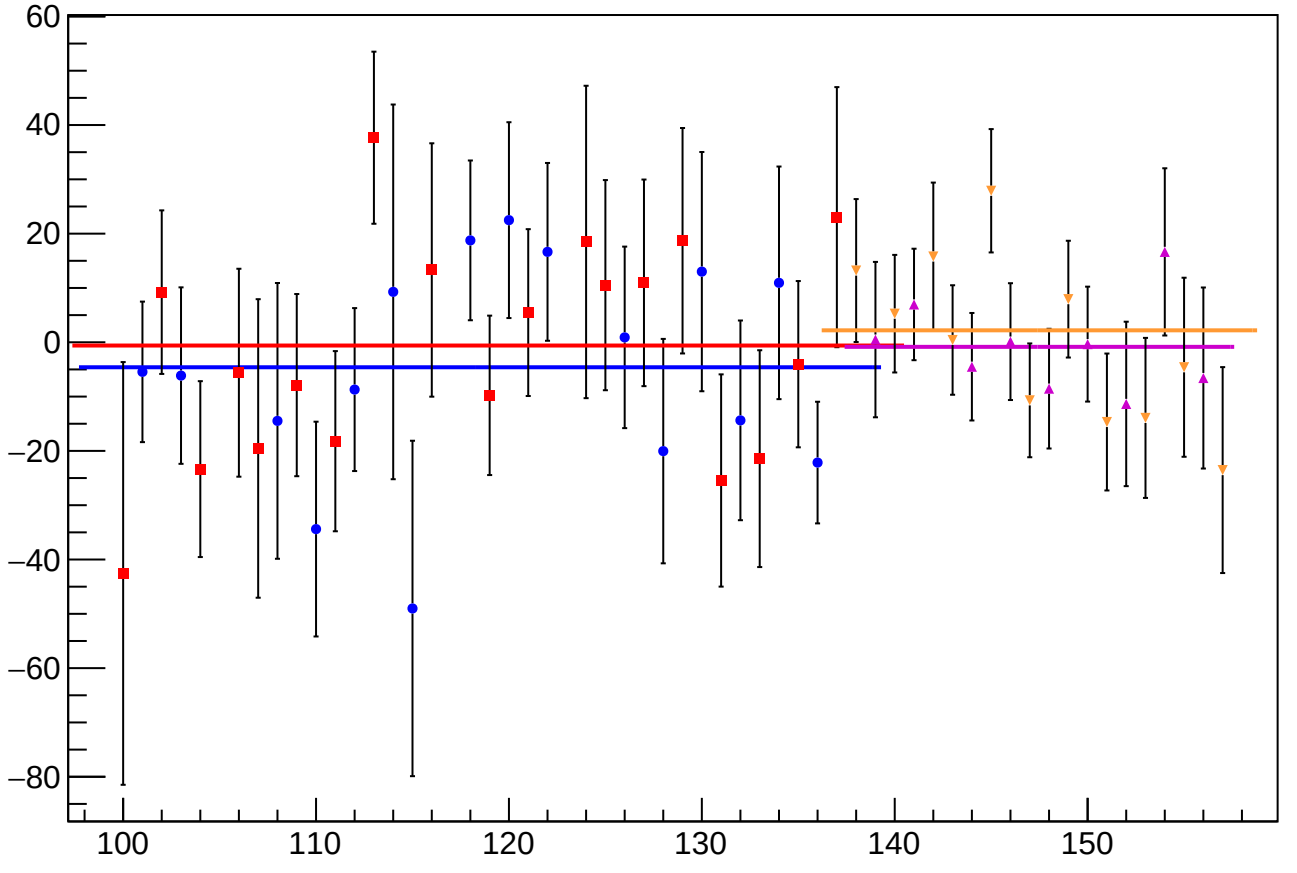
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5072.766+/-1.419 χ^2/NDF:2342927.7/8

+ sign 6022.704+/-1.152 χ^2/NDF: 3539417.0/26

All: 5643.448+/-0.785 χ^2/NDF: 8732628.7/54

- sign 5315.043+/-1.072 χ^2/NDF: 4990913.5/27



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 2.199+/-3.716 χ^2/NDF:13.7/10

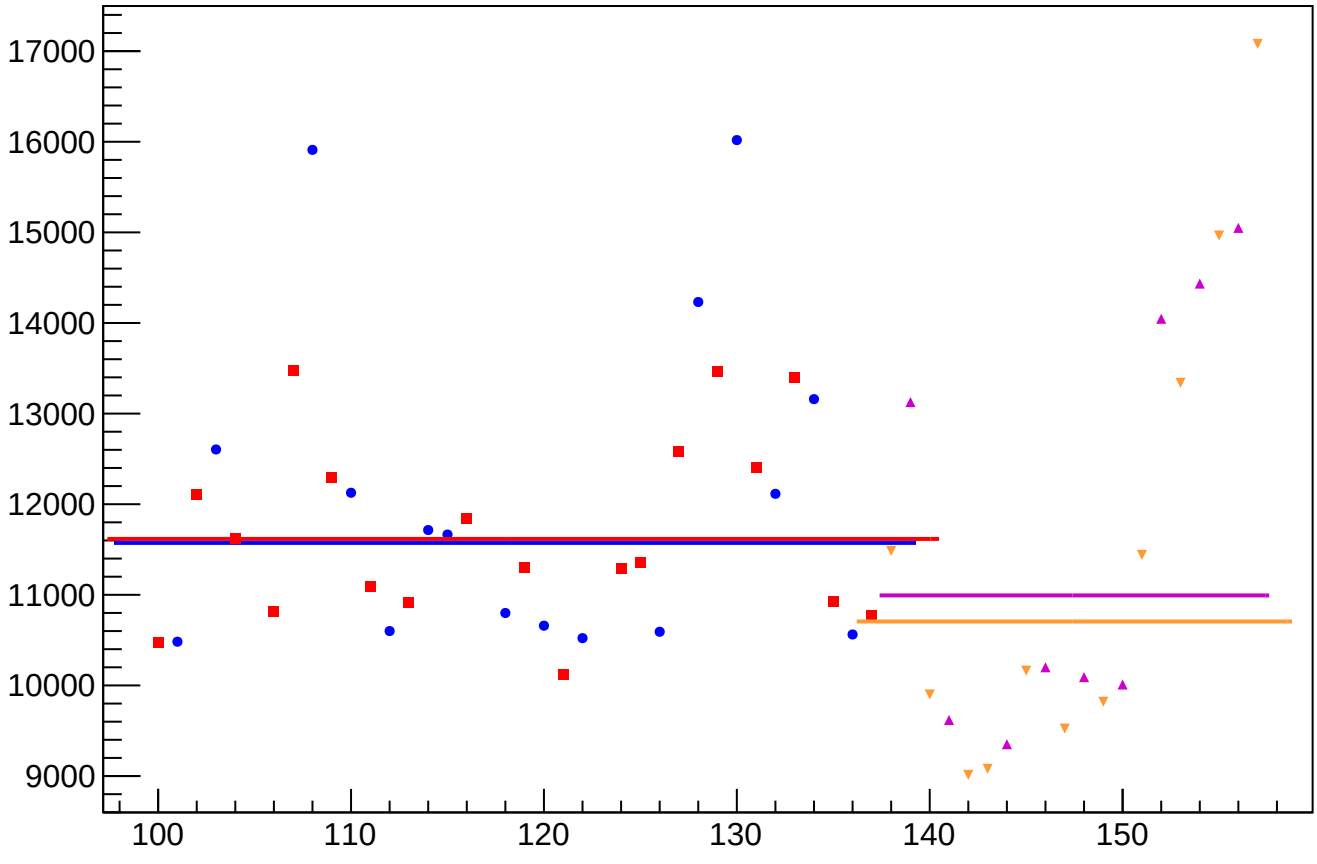
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.842+/-3.997 χ^2/NDF:3.1/8

+ sign -0.666+/-2.827 χ^2/NDF: 30.9/26

All: -0.697+/-2.030 χ^2/NDF: 51.9/54

- sign -0.729+/-2.917 χ^2/NDF: 21.0/27



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10705.753+/-2.627 χ^2/NDF:575077.8/10

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

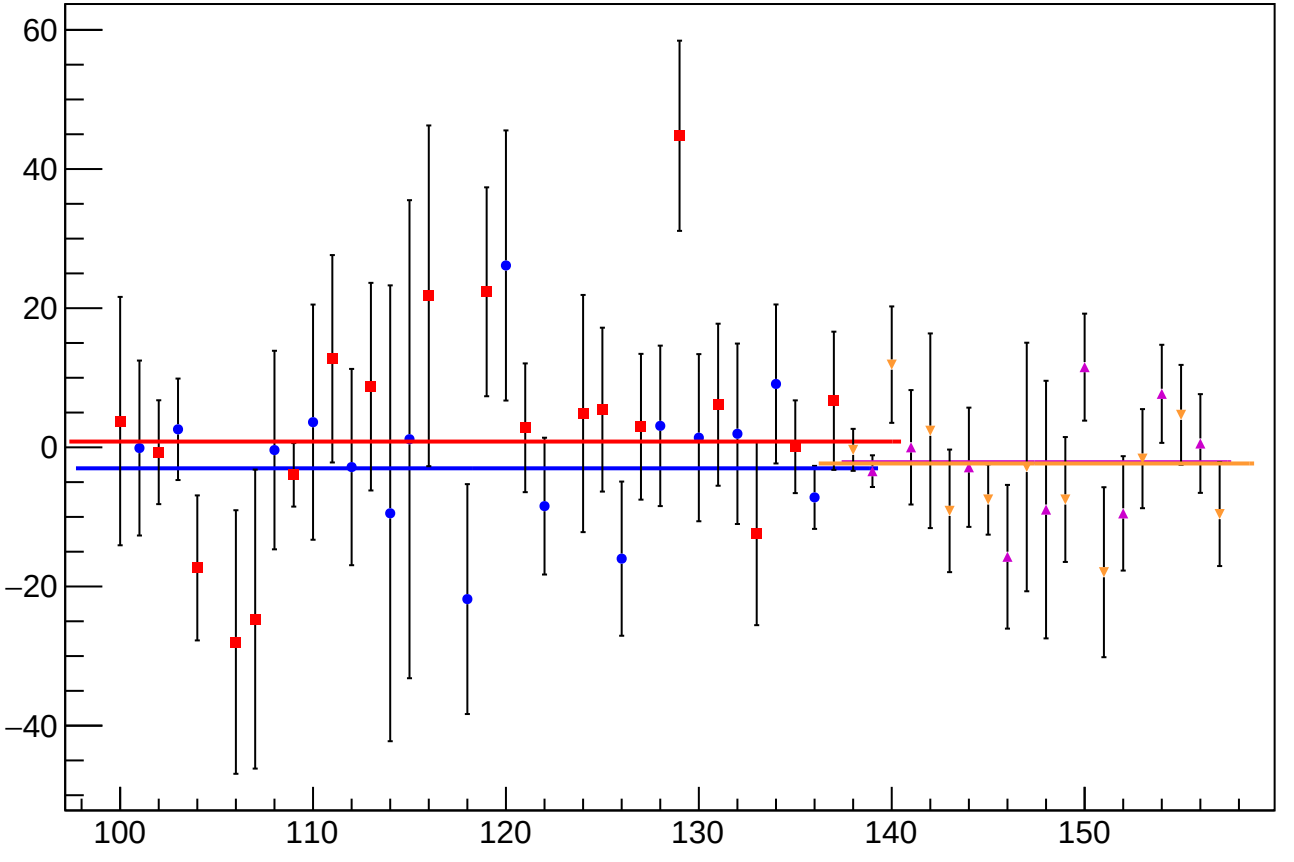
Left In: 10993.479+/-2.827 χ^2/NDF:476732.6/8

+ sign 11071.164+/-1.999 χ^2/NDF: 881055.7/26

All: 11174.639+/-1.435 χ^2/NDF: 1479220.1/5

- sign 11284.846+/-2.063 χ^2/NDF: 592629.4/27

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.320+/-1.959 χ^2/NDF:8.9/10

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

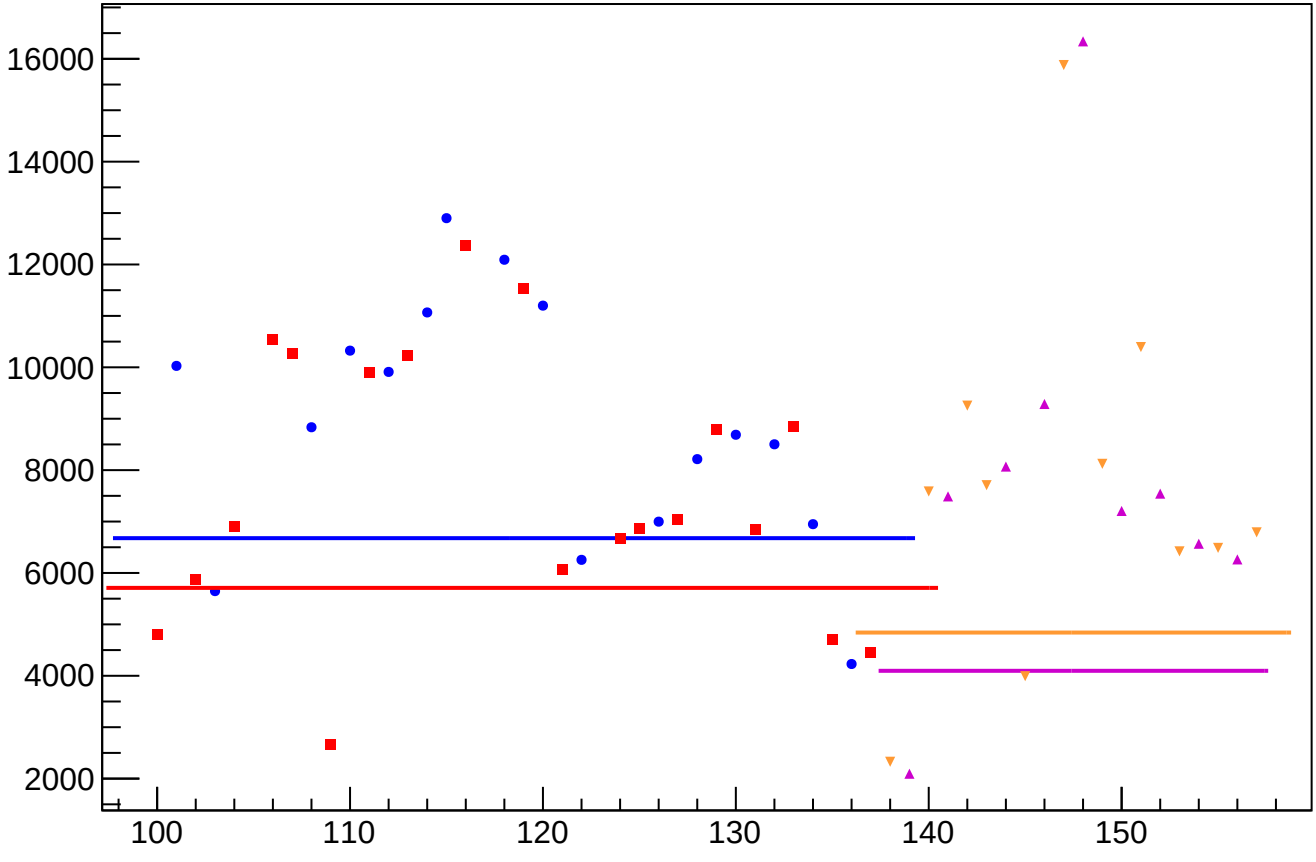
Left In: -2.135+/-1.811 χ^2/NDF:8.3/8

+ sign -2.565+/-1.576 χ^2/NDF: 17.6/26

All: -1.726+/-1.061 χ^2/NDF: 51.3/54

- sign -1.030+/-1.435 χ^2/NDF: 33.1/27

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4841.011+/-1.385 χ^2/NDF:3853932.1/10

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

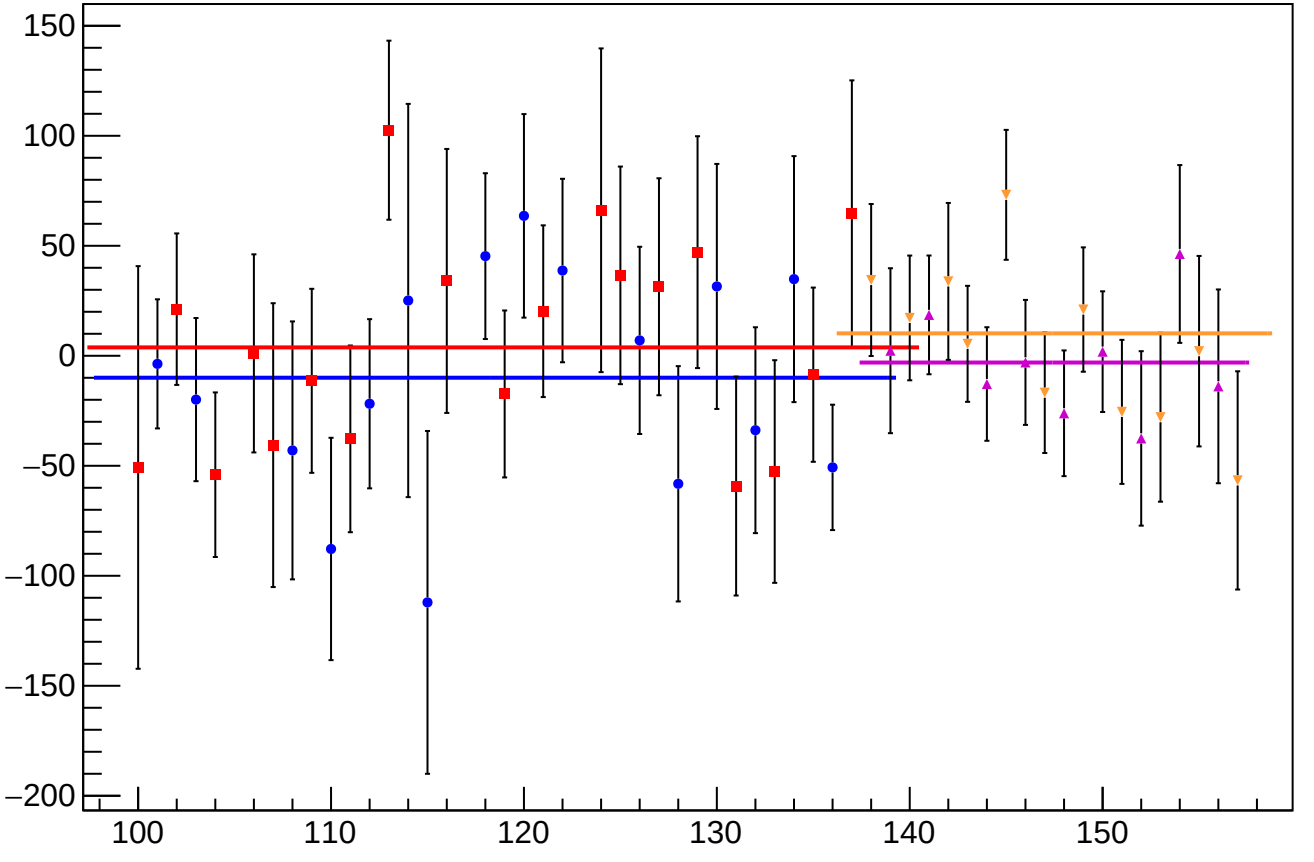
Left In: 4096.778+/-1.281 χ^2/NDF:4801954.9/8

+ sign 5488.523+/-1.114 χ^2/NDF: 6046311.5/26

All: 5056.030+/-0.750 χ^2/NDF: 14015306.1/5

- sign 4697.487+/-1.015 χ^2/NDF: 7693560.8/27

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 10.194+/-9.719 χ^2/NDF:10.7/10

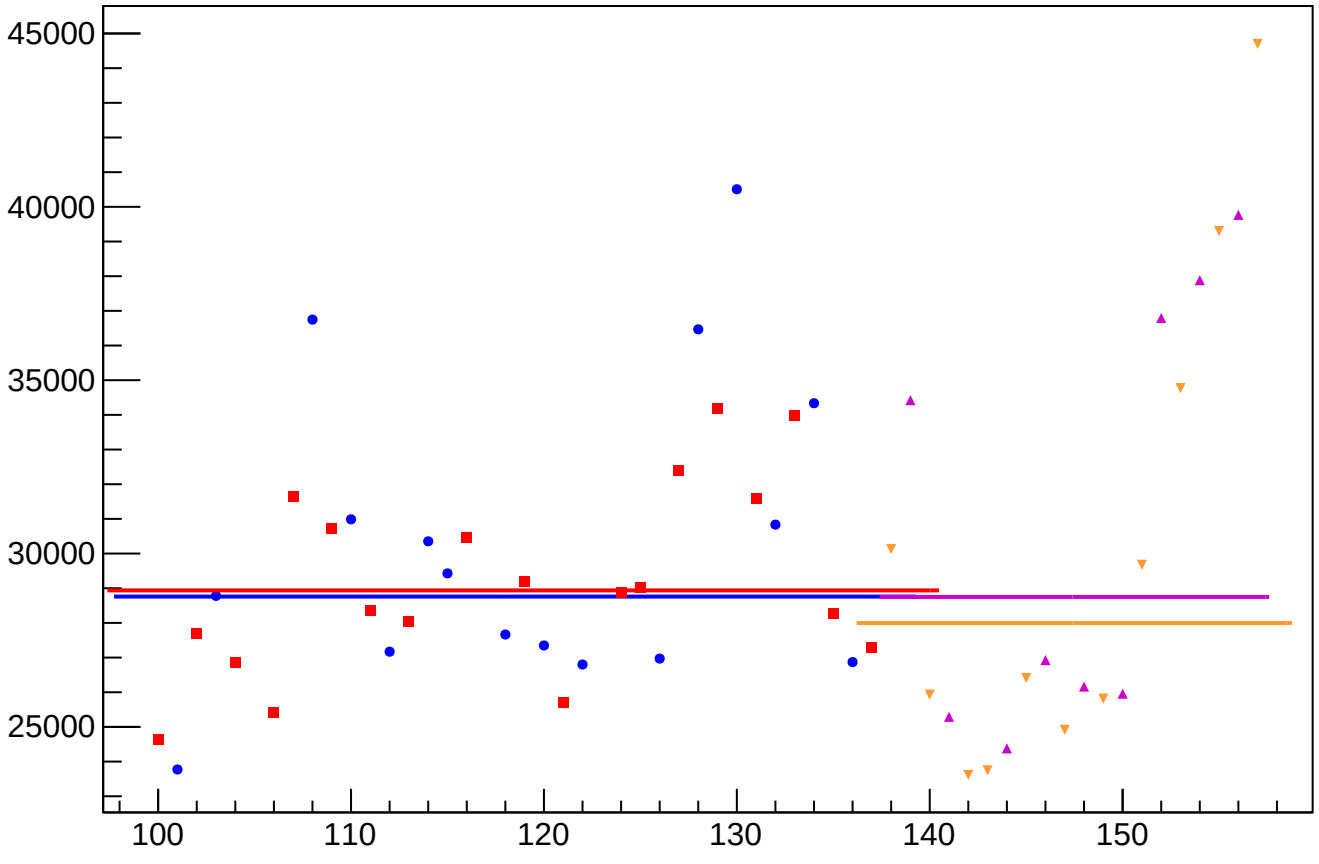
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -3.069+/-10.458 χ^2/NDF:3.8/8

+ sign 1.205+/-7.235 χ^2/NDF: 27.9/26

All: 0.773+/-5.193 χ^2/NDF: 49.2/54

- sign 0.314+/-7.457 χ^2/NDF: 21.3/27



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27996.034+/-6.872 χ^2/NDF:574028.5/10

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

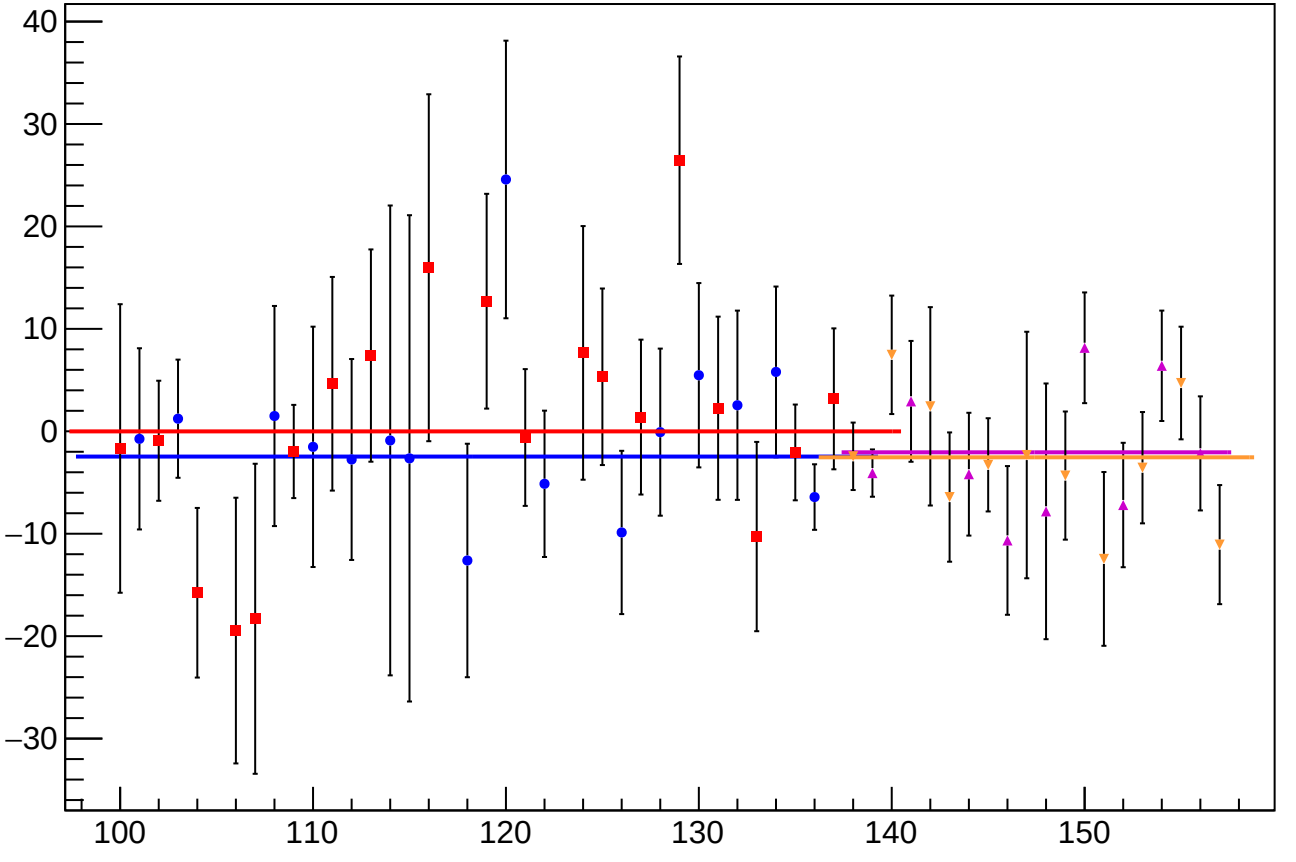
Left In: 28749.027+/-7.395 χ^2/NDF:491061.9/8

+ sign 28336.202+/-5.116 χ^2/NDF: 857164.5/26

All: 28581.332+/-3.672 χ^2/NDF: 1459546.7/5

- sign 28841.737+/-5.273 χ^2/NDF: 597647.7/27

diff_bpm12Y_mean vs Slug



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.540+/-1.692 χ^2/NDF:9.0/10

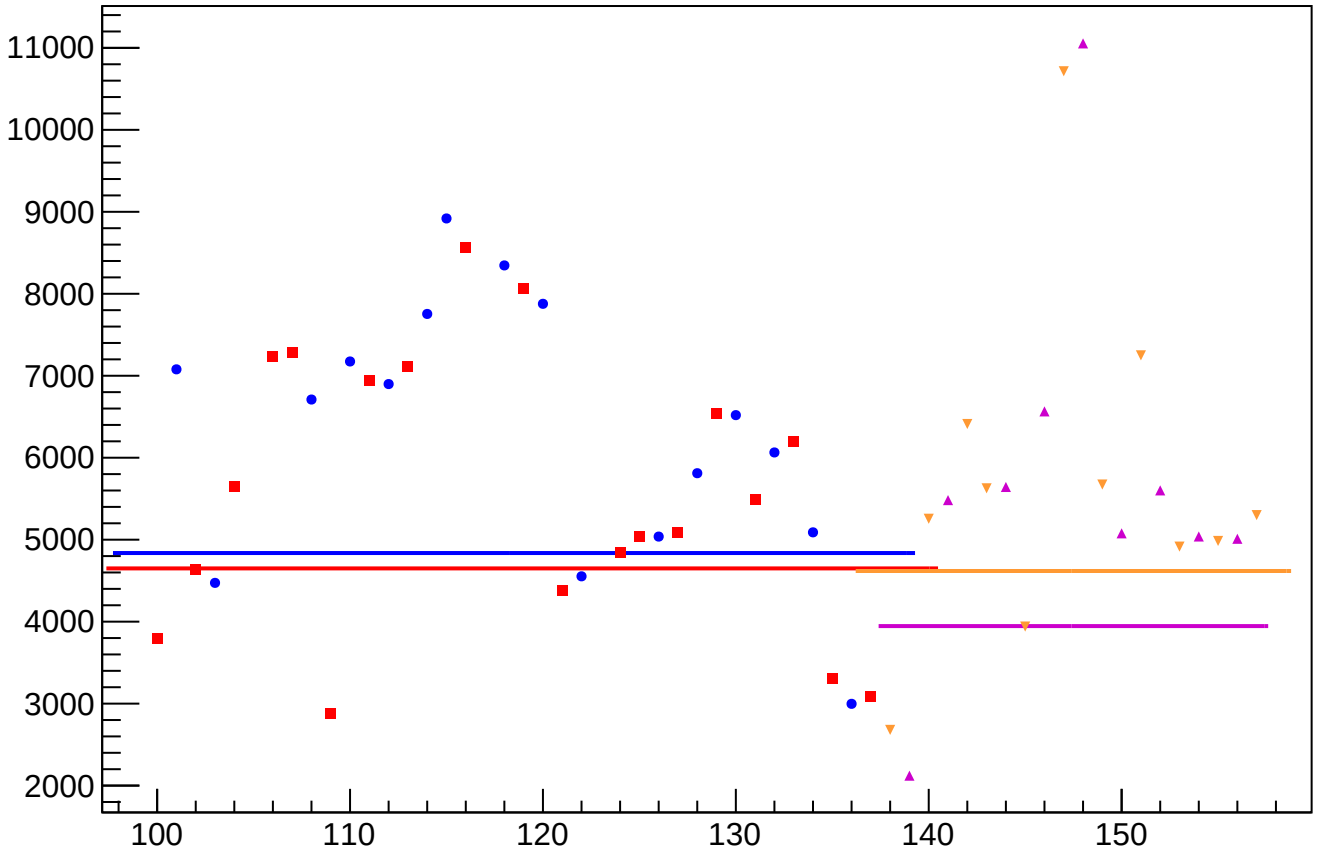
Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: -2.052+/-1.586 χ^2/NDF:10.0/8

\+ sign -2.508+/-1.268 χ^2/NDF: 19.1/26

All: -1.803+/-0.871 χ^2/NDF: 50.3/54

\- sign -1.175+/-1.198 χ^2/NDF: 30.6/27



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4618.020+/-1.197 χ^2/NDF:1686521.5/10

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

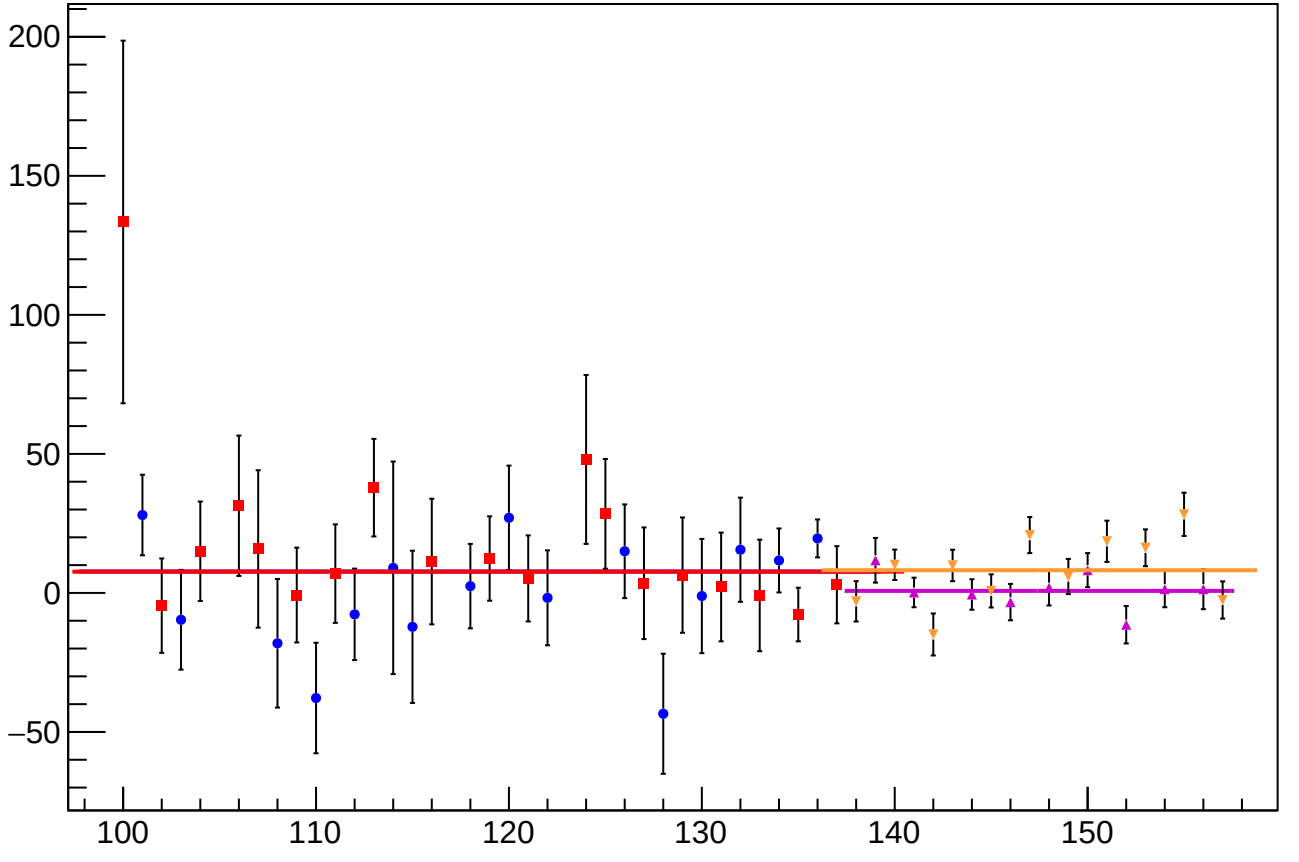
Left In: 3945.970+/-1.121 χ^2/NDF:2846260.2/8

+ sign 4714.094+/-0.897 χ^2/NDF: 3248989.4/26

All: 4467.824+/-0.616 χ^2/NDF: 7841522.7/54

- sign 4248.125+/-0.847 χ^2/NDF: 4449867.7/27

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.174+/-1.969 χ^2/NDF:30.1/10

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

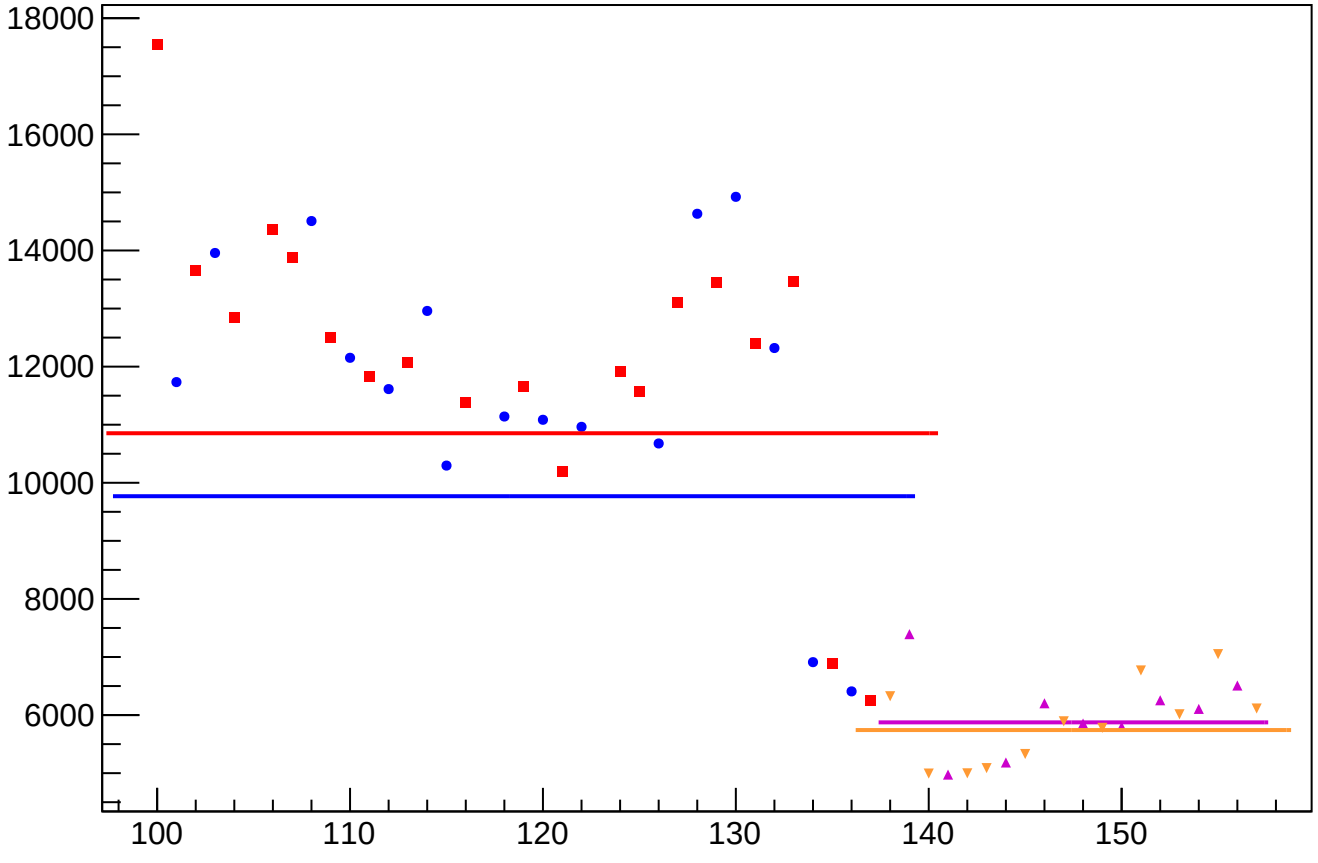
Left In: 0.732+/-2.116 χ^2/NDF:7.1/8

+ sign 8.074+/-1.750 χ^2/NDF: 51.7/26

All: 5.342+/-1.281 χ^2/NDF: 80.9/54

- sign 2.188+/-1.881 χ^2/NDF: 23.9/27

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5742.275+/-1.392 χ^2/NDF:211702.6/10

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

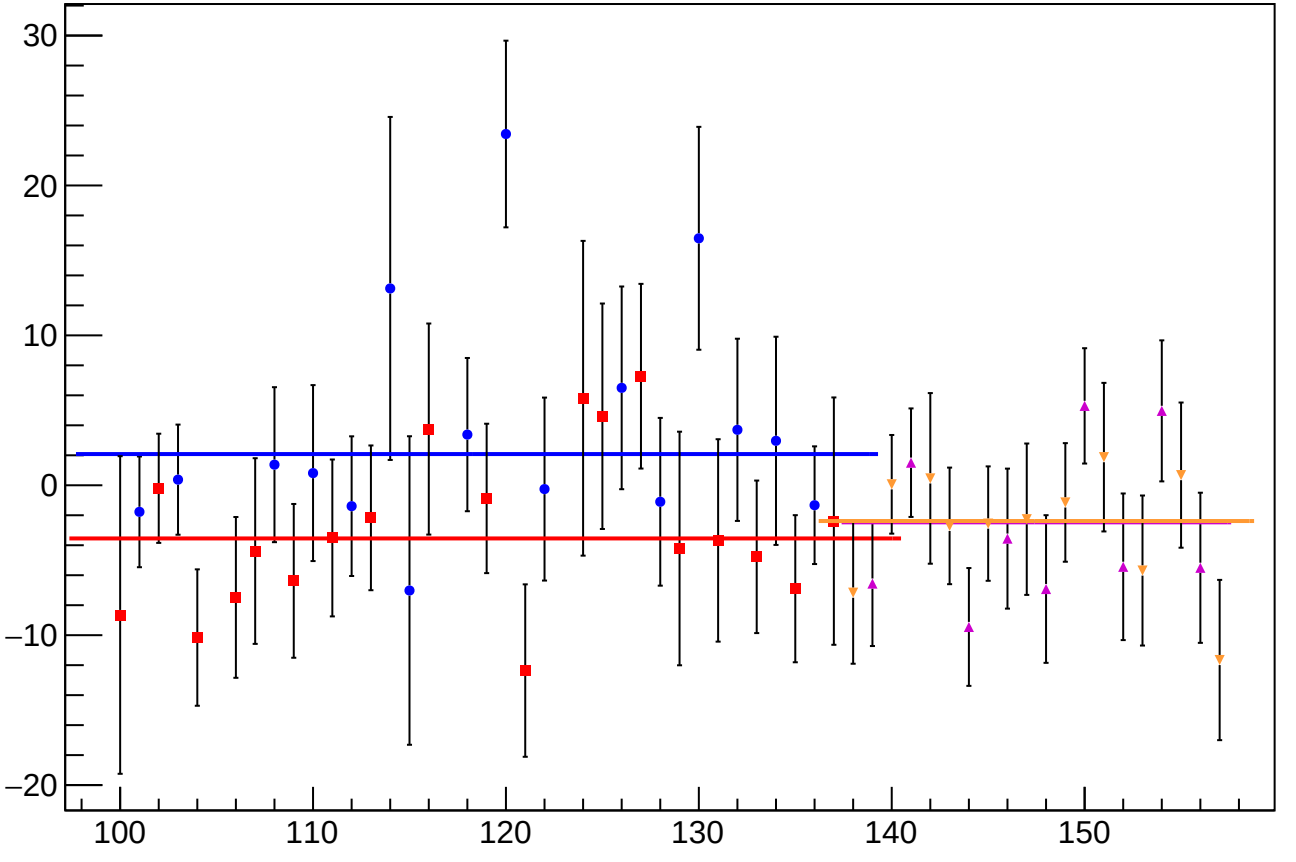
Left In: 5874.593+/-1.497 χ^2/NDF:190144.9/8

+ sign 6587.496+/-1.237 χ^2/NDF: 3181234.8/26

All: 6742.928+/-0.906 χ^2/NDF: 6608891.4/54

- sign 6922.412+/-1.330 χ^2/NDF: 3393663.5/27

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.385+/-1.332 χ^2/NDF:6.5/10

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

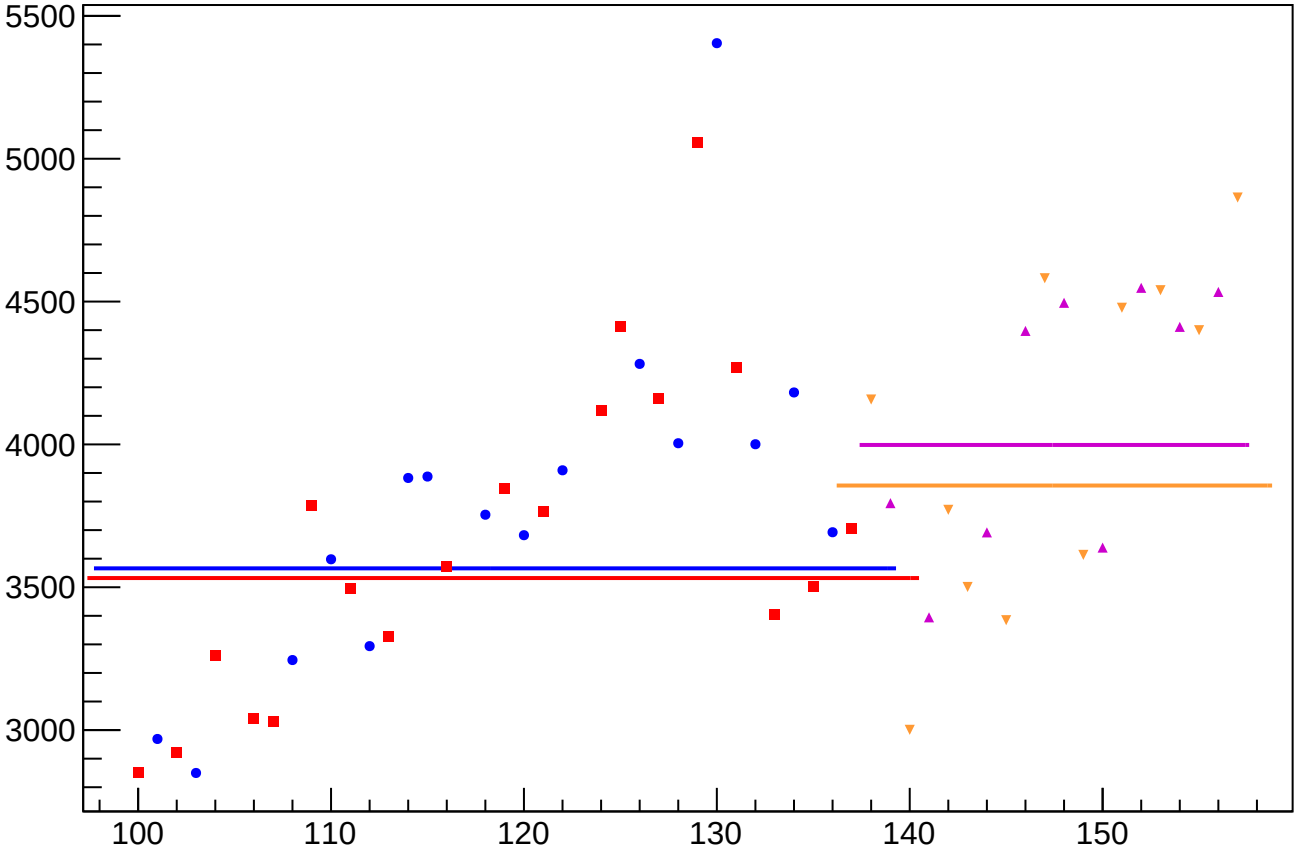
Left In: -2.473+/-1.443 χ^2/NDF:13.5/8

+ sign -0.174+/-0.946 χ^2/NDF: 33.0/26

All: -1.587+/-0.677 χ^2/NDF: 64.8/54

- sign -3.064+/-0.968 χ^2/NDF: 27.3/27

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3856.080+/-0.942 χ^2/NDF:404828.5/10

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

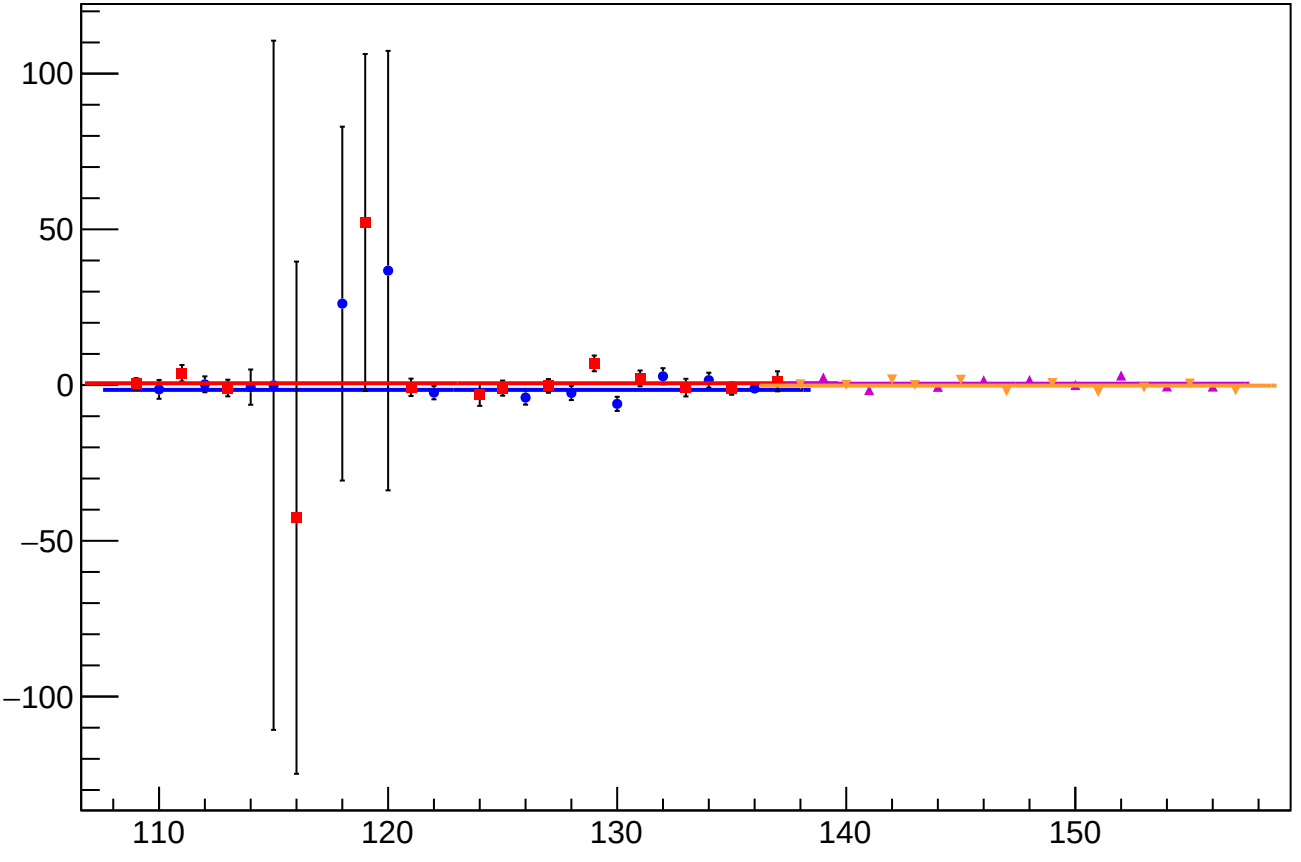
Left In: 3998.091+/-1.020 χ^2/NDF:188592.9/8

+ sign 3712.602+/-0.669 χ^2/NDF: 792855.5/26

All: 3726.806+/-0.478 χ^2/NDF: 1375815.0/54

- sign 3741.653+/-0.684 χ^2/NDF: 582038.0/27

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.172+/-0.346 χ^2/NDF:13.5/10

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

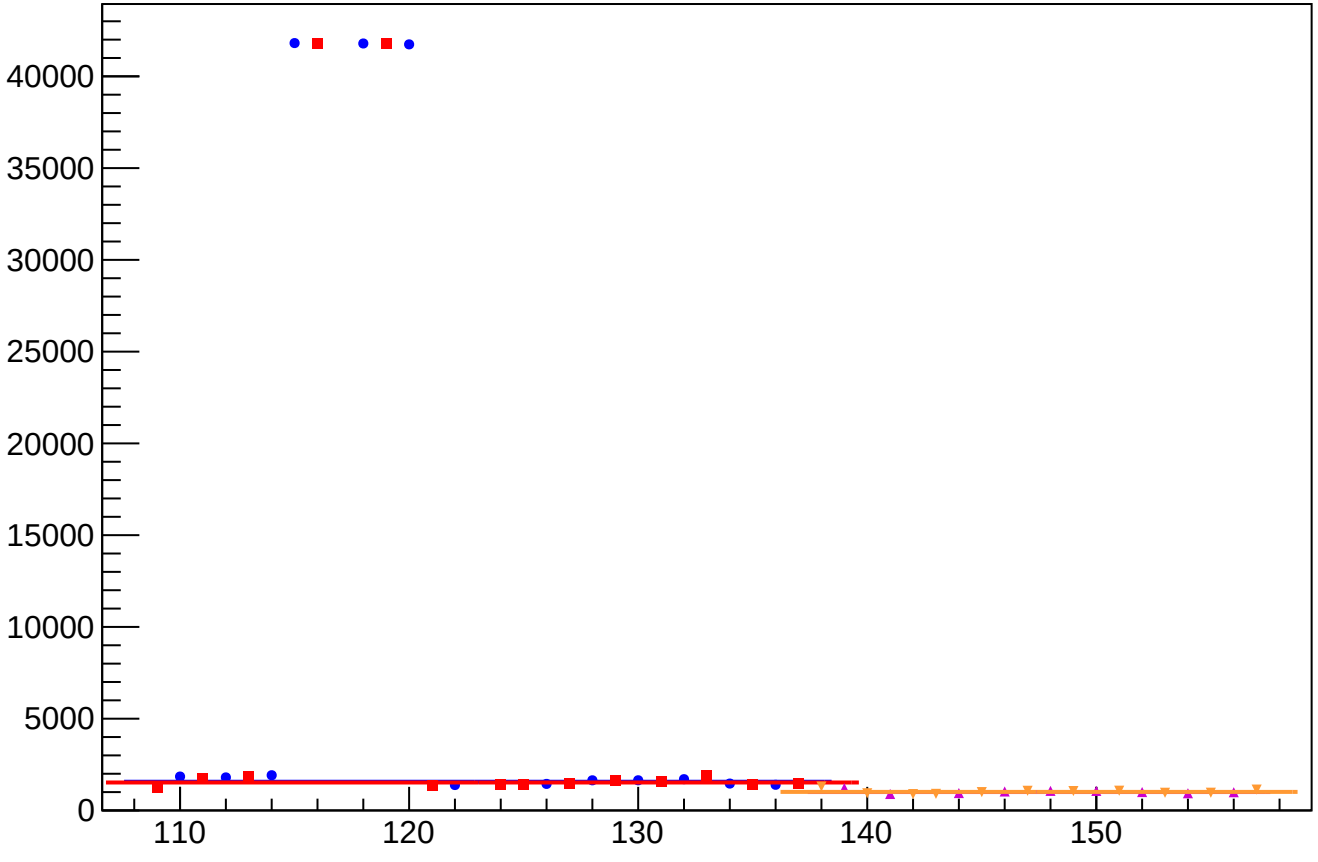
Left In: 0.448+/-0.361 χ^2/NDF:17.4/8

+ sign -0.420+/-0.313 χ^2/NDF: 27.4/23

All: 0.014+/-0.224 χ^2/NDF: 61.5/46

- sign 0.476+/-0.322 χ^2/NDF: 30.1/22

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1010.978+/-0.244 χ^2/NDF:168478.6/10

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

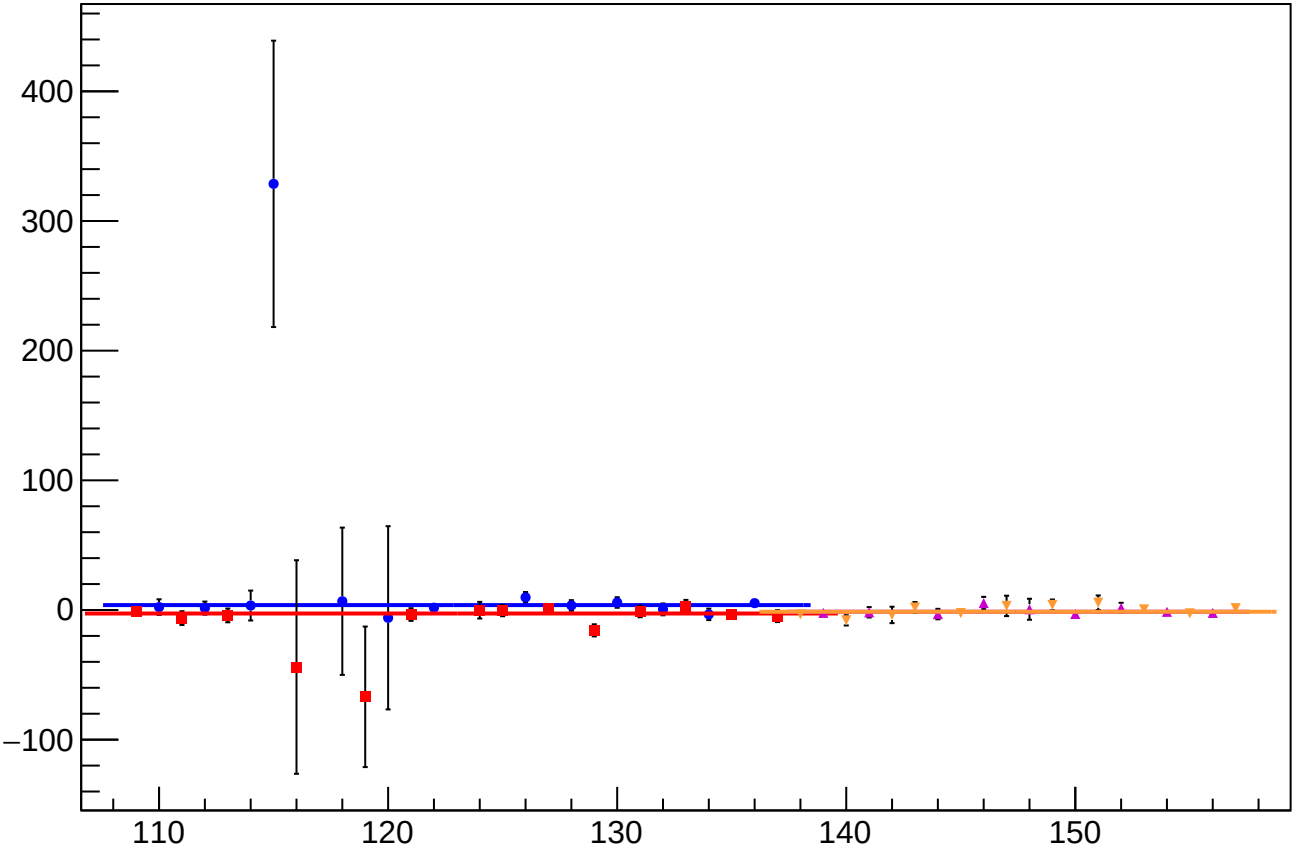
Left In: 1003.688+/-0.255 χ^2/NDF:104124.7/8

+ sign 1111.742+/-0.221 χ^2/NDF: 3118348.6/23

All: 1110.258+/-0.159 χ^2/NDF: 5801517.5/46

- sign 1108.682+/-0.228 χ^2/NDF: 2683076.0/22

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.356+/-1.122 χ^2/NDF:8.9/10

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

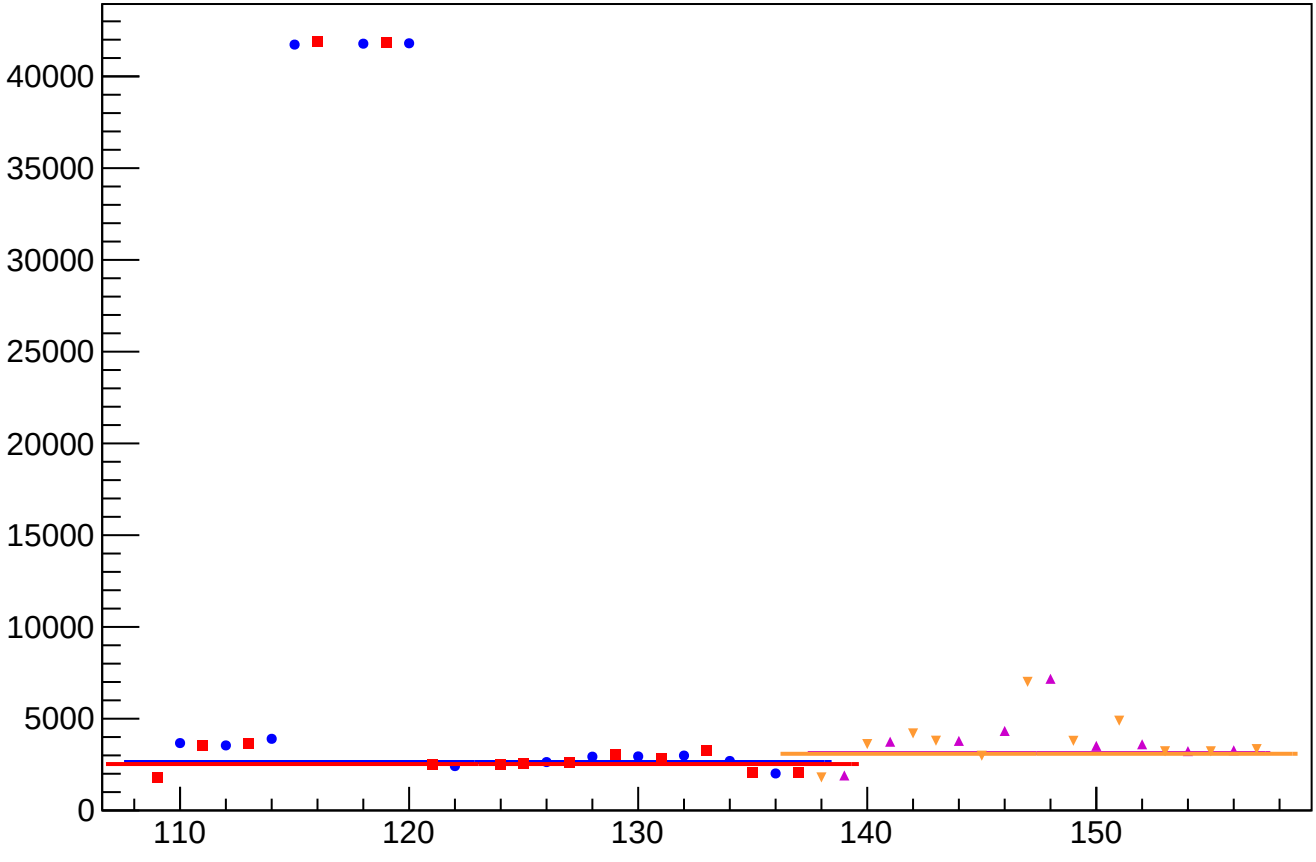
Left In: -1.362+/-1.193 χ^2/NDF:3.3/8

+ sign 0.937+/-0.834 χ^2/NDF: 33.5/23

All: -0.517+/-0.595 χ^2/NDF: 57.1/46

- sign -2.025+/-0.850 χ^2/NDF: 17.5/22

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3088.270+/-0.793 χ^2/NDF:1685084.4/10

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

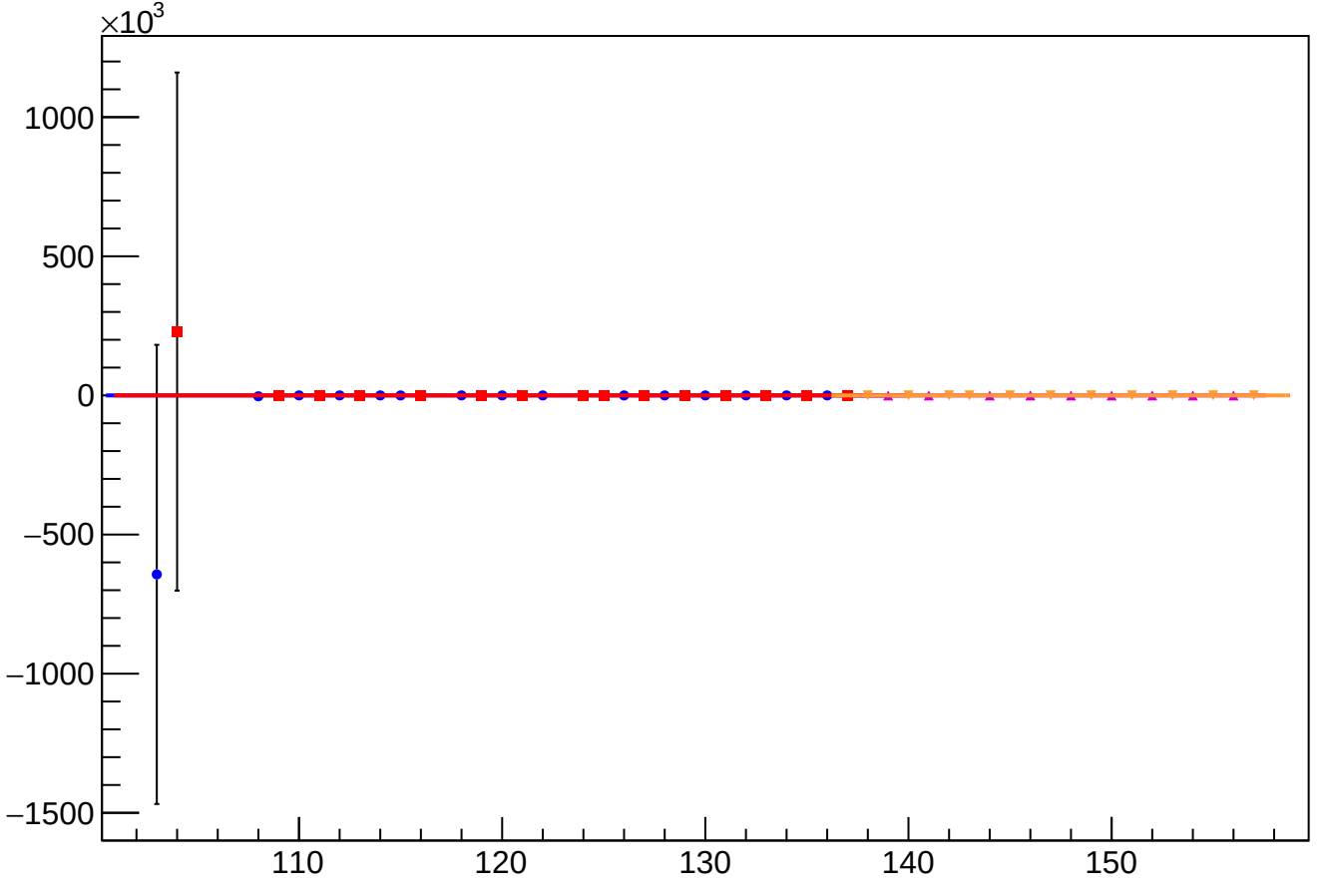
Left In: 3128.665+/-0.844 χ^2/NDF:1451781.9/8

+ sign 2887.969+/-0.590 χ^2/NDF: 4001192.6/23

All: 2861.129+/-0.421 χ^2/NDF: 7655971.2/46

- sign 2833.282+/-0.601 χ^2/NDF: 3650561.9/22

diff_bpm1p03aX_mean vs Slug



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.848+/-0.539 χ^2/NDF:24.3/10

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

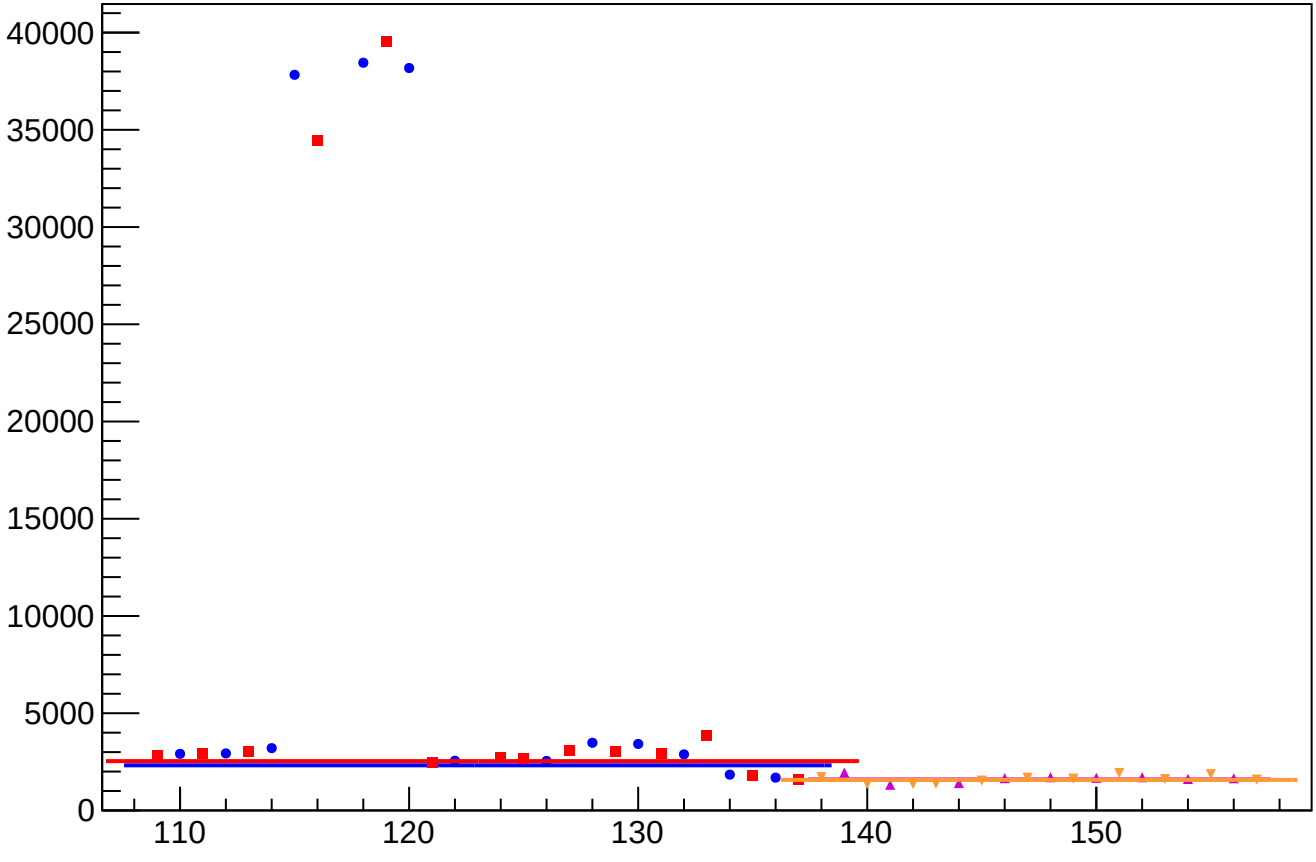
Left In: -0.215+/-0.575 χ^2/NDF:11.2/8

+ sign -1.730+/-0.486 χ^2/NDF: 43.3/25

All: -1.233+/-0.355 χ^2/NDF: 74.5/49

- sign -0.666+/-0.519 χ^2/NDF: 29.0/23

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1574.123+/-0.381 χ^2/NDF:216332.1/10

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

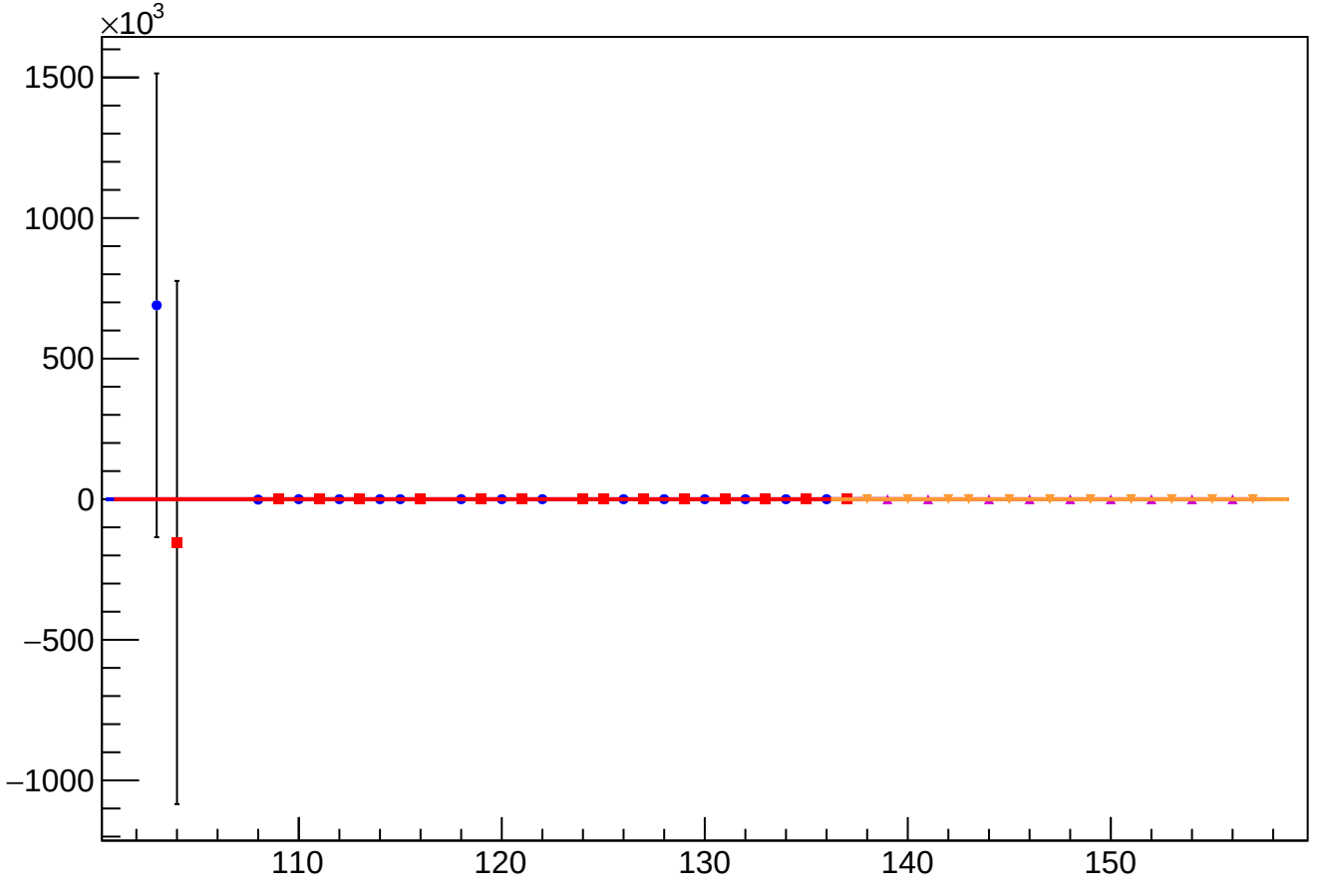
Left In: 1594.812+/-0.407 χ^2/NDF:186311.9/8

+ sign 1713.498+/-0.344 χ^2/NDF: 3393248.7/23

All: 1739.040+/-0.251 χ^2/NDF: 6618635.1/46

- sign 1768.174+/-0.367 χ^2/NDF: 3213574.5/22

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.258+/-0.740 χ^2/NDF:11.9/10

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

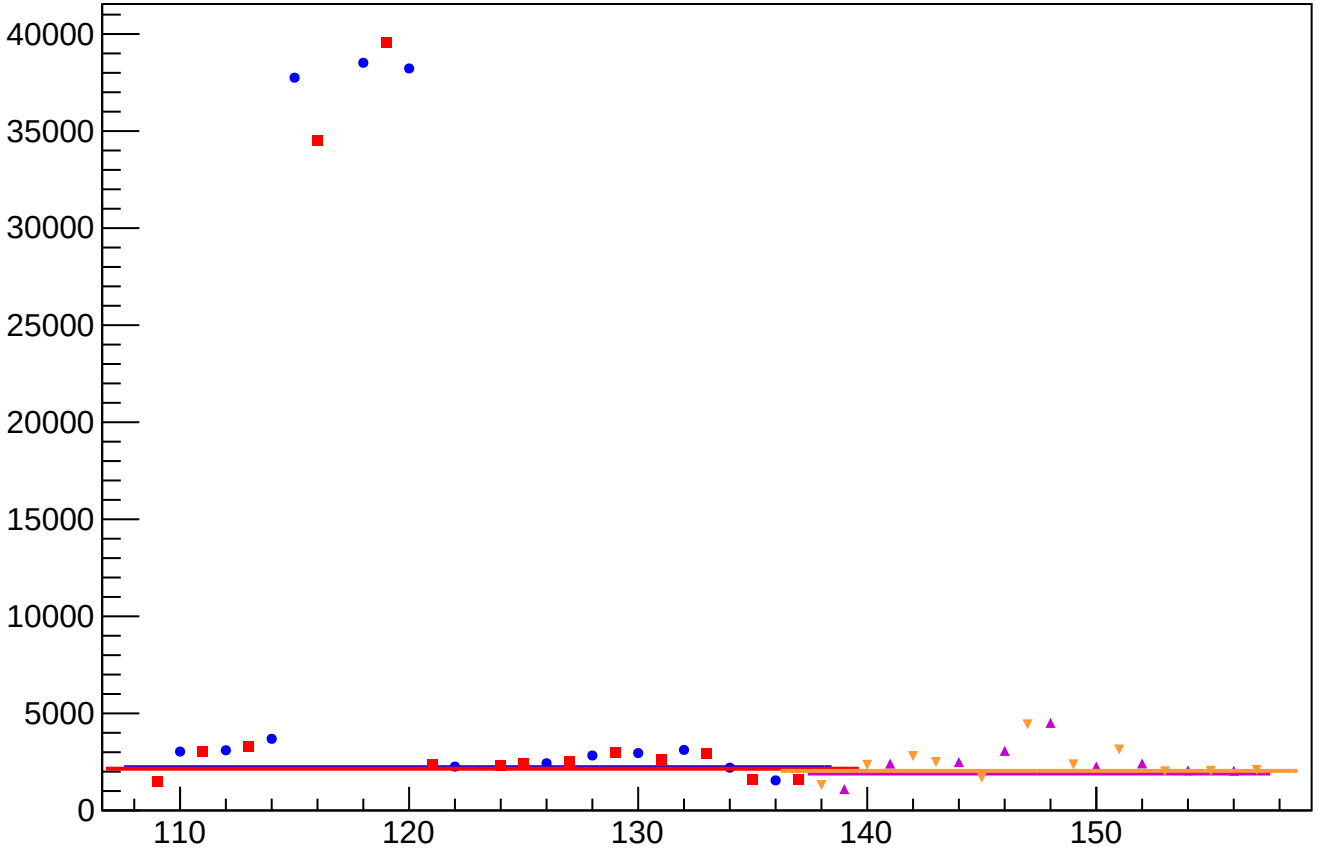
Left In: 0.068+/-0.740 χ^2/NDF:3.8/8

+ sign 0.372+/-0.610 χ^2/NDF: 19.2/25

All: -0.108+/-0.429 χ^2/NDF: 41.8/49

- sign -0.581+/-0.605 χ^2/NDF: 21.4/23

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2039.444+/-0.523 χ^2/NDF:1309142.2/10

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

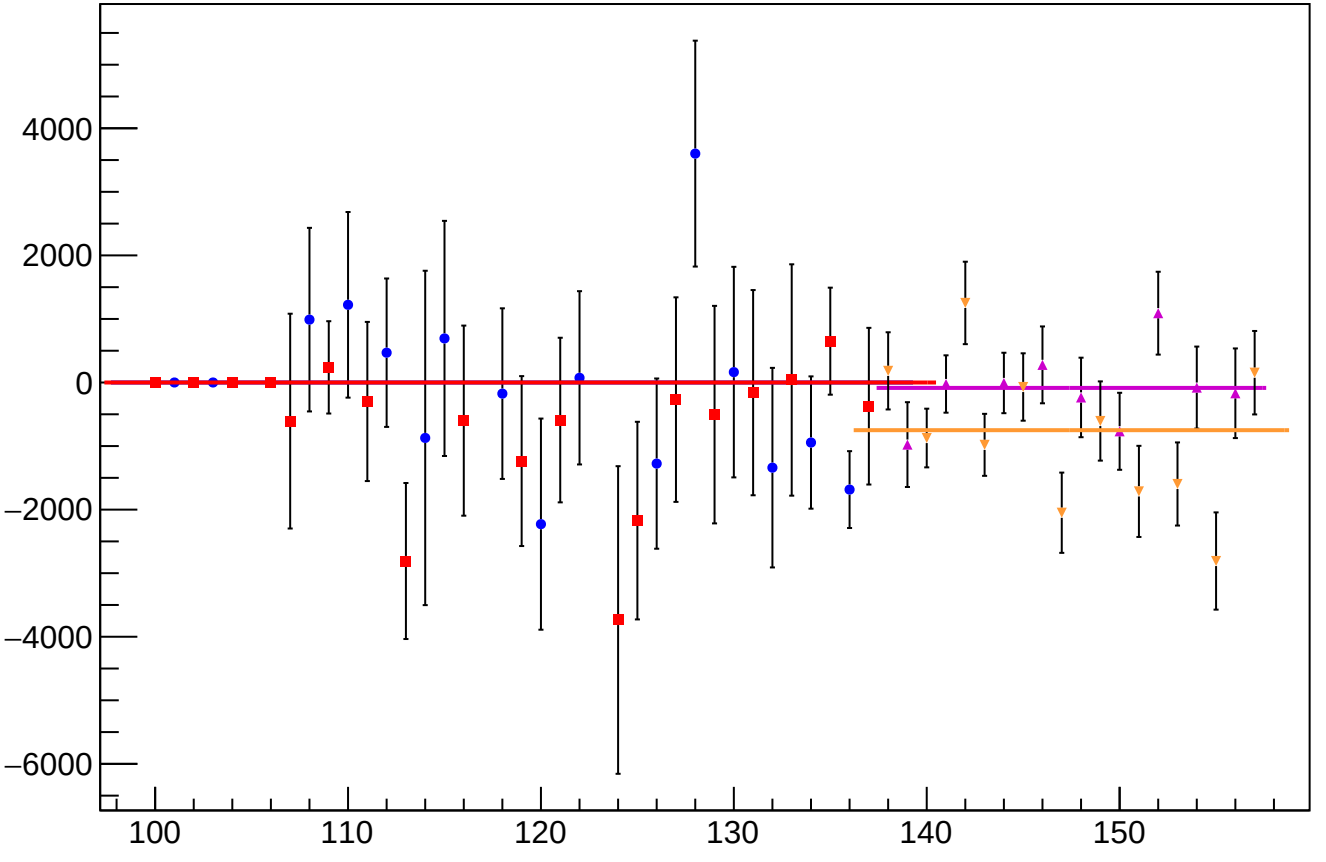
Left In: 1902.196+/-0.523 χ^2/NDF:1992145.5/8

+ sign 2099.572+/-0.431 χ^2/NDF: 3872654.8/23

All: 2041.632+/-0.304 χ^2/NDF: 8206779.6/46

- sign 1984.520+/-0.428 χ^2/NDF: 4298241.2/22

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -750.101+/-179.794 χ^2/NDF:30.7/10

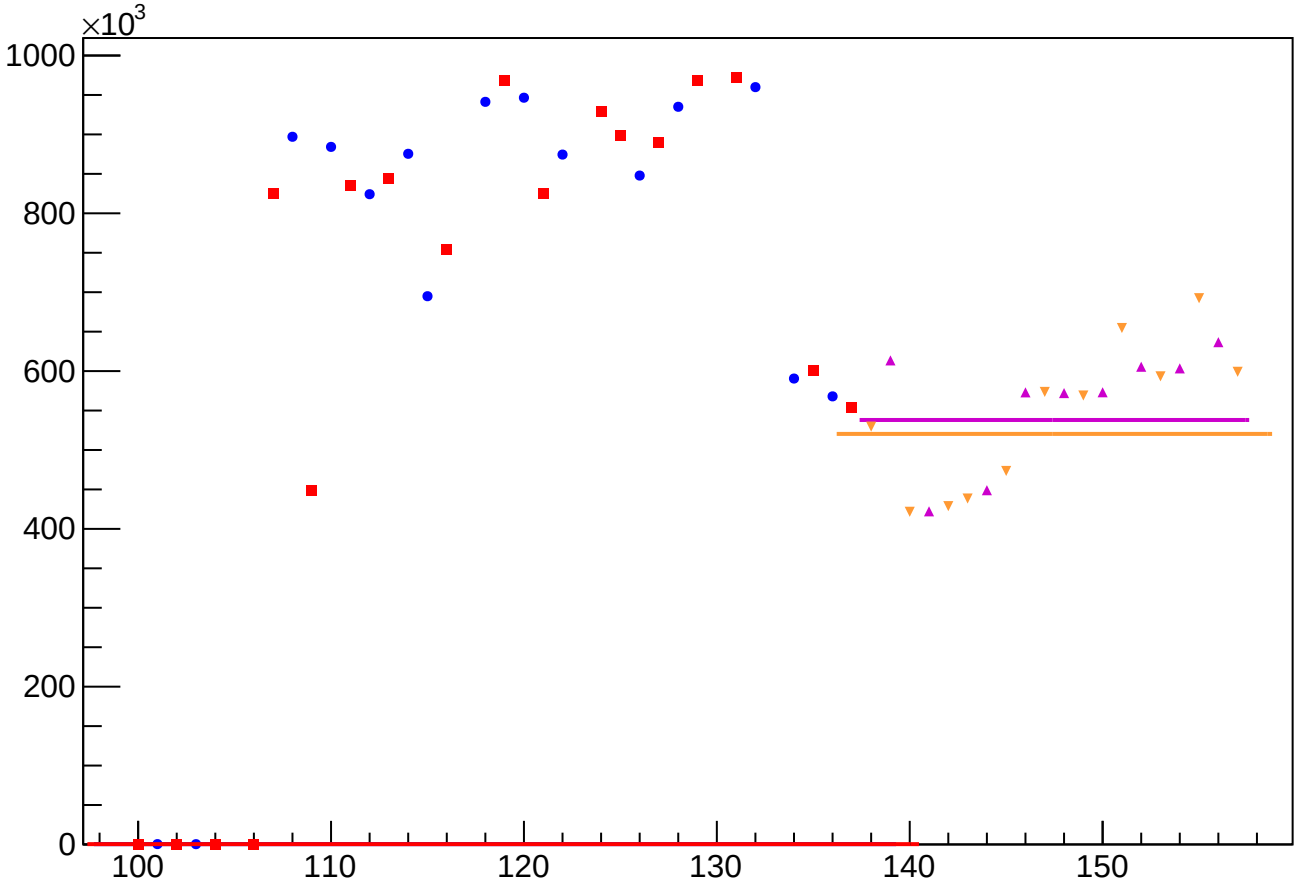
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -84.971+/-194.767 χ^2/NDF:6.8/8

+ sign 0.252+/-0.356 χ^2/NDF: 65.9/26

All: 0.168+/-0.241 χ^2/NDF: 88.4/54

- sign 0.096+/-0.328 χ^2/NDF: 22.4/27



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 520380.806+/-127.133 χ^2/NDF:455121.7/10

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

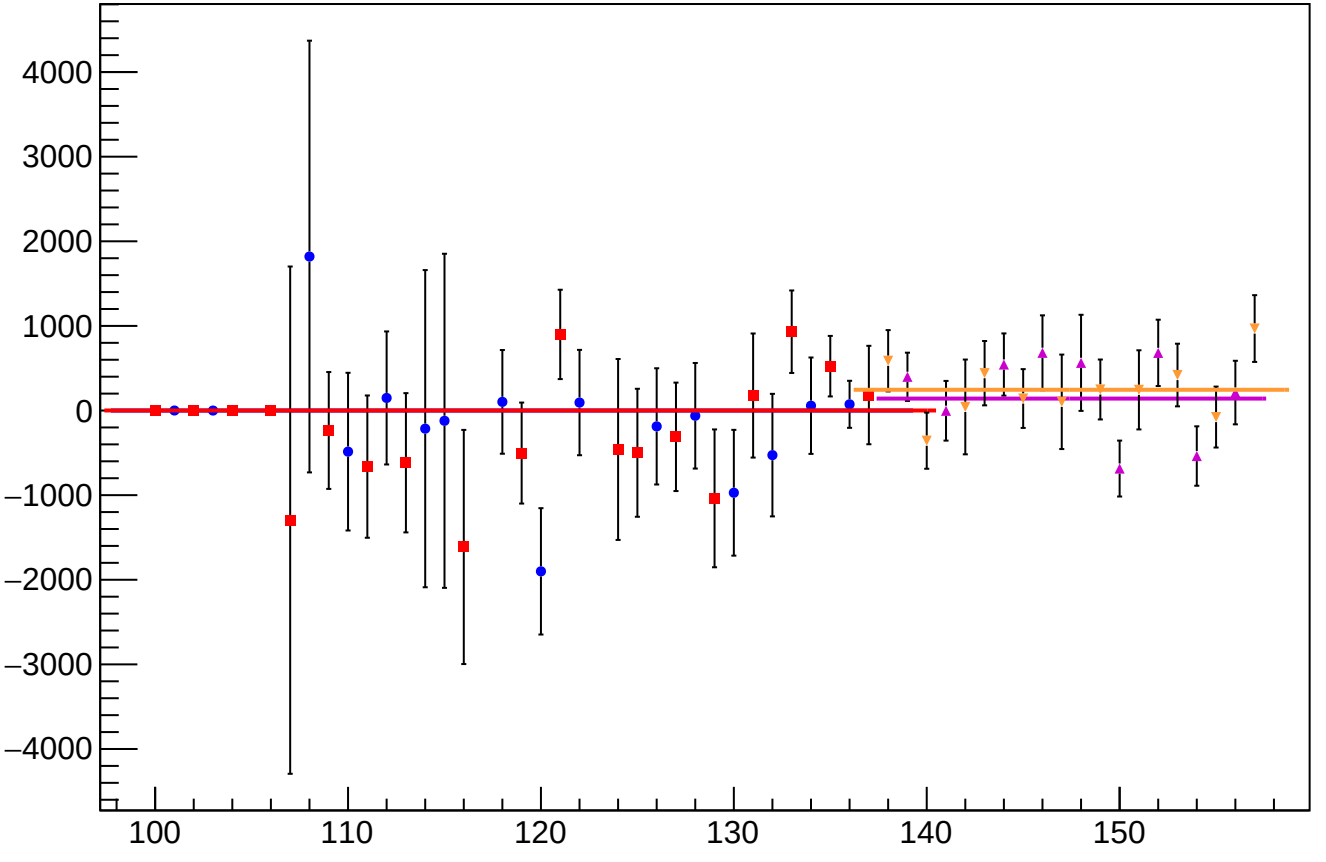
Left In: 538041.680+/-137.721 χ^2/NDF:327900.8/8

+ sign 400.916+/-0.251 χ^2/NDF: 25675410.2/25

All: 397.589+/-0.170 χ^2/NDF: 48892494.9/52

- sign 394.763+/-0.232 χ^2/NDF: 23216761.0/26

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 245.222+/-117.614 χ^2/NDF:9.1/10

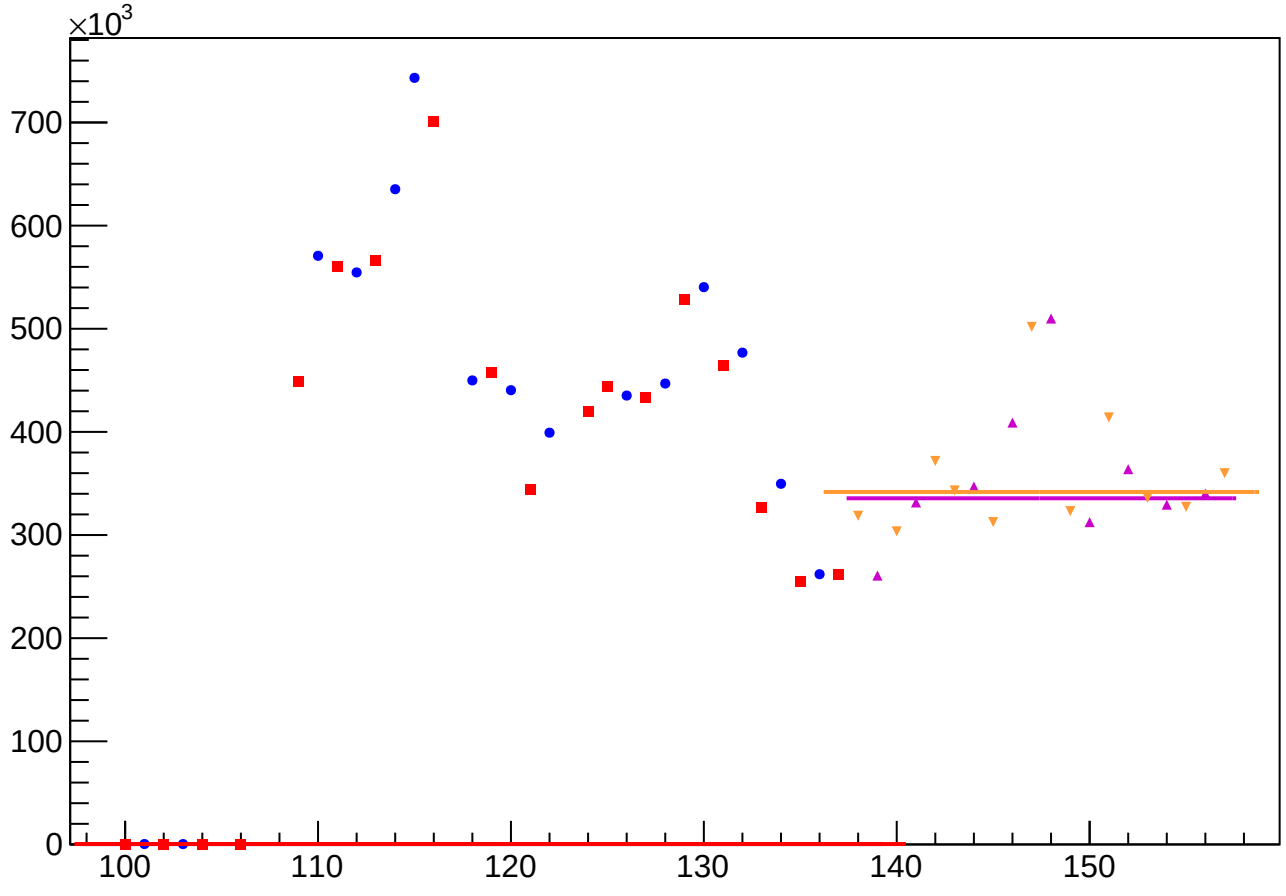
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 141.215+/-122.334 χ^2/NDF:16.2/8

+ sign -0.018+/-0.347 χ^2/NDF: 23.9/26

All: 0.312+/-0.237 χ^2/NDF: 58.1/54

- sign 0.600+/-0.324 χ^2/NDF: 32.5/27



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341772.960+/-83.166 χ^2/NDF:280140.9/10

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

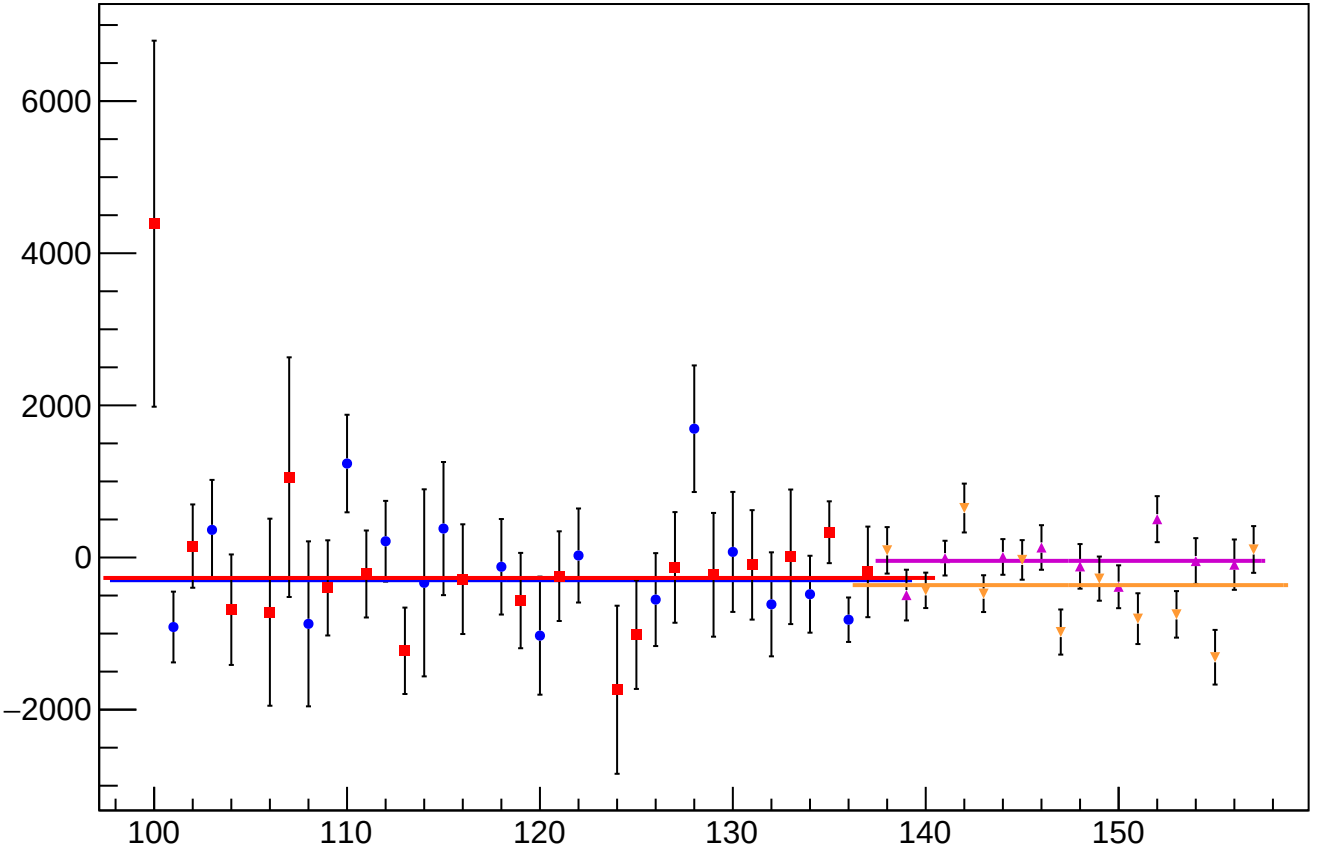
Left In: 335614.410+/-86.513 χ^2/NDF:404846.3/8

+ sign 393.249+/-0.245 χ^2/NDF: 28262070.1/25

All: 391.689+/-0.167 χ^2/NDF: 54755837.2/52

- sign 390.332+/-0.229 χ^2/NDF: 26493691.6/26

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -363.041+/-87.061 χ^2/NDF:31.1/10

Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

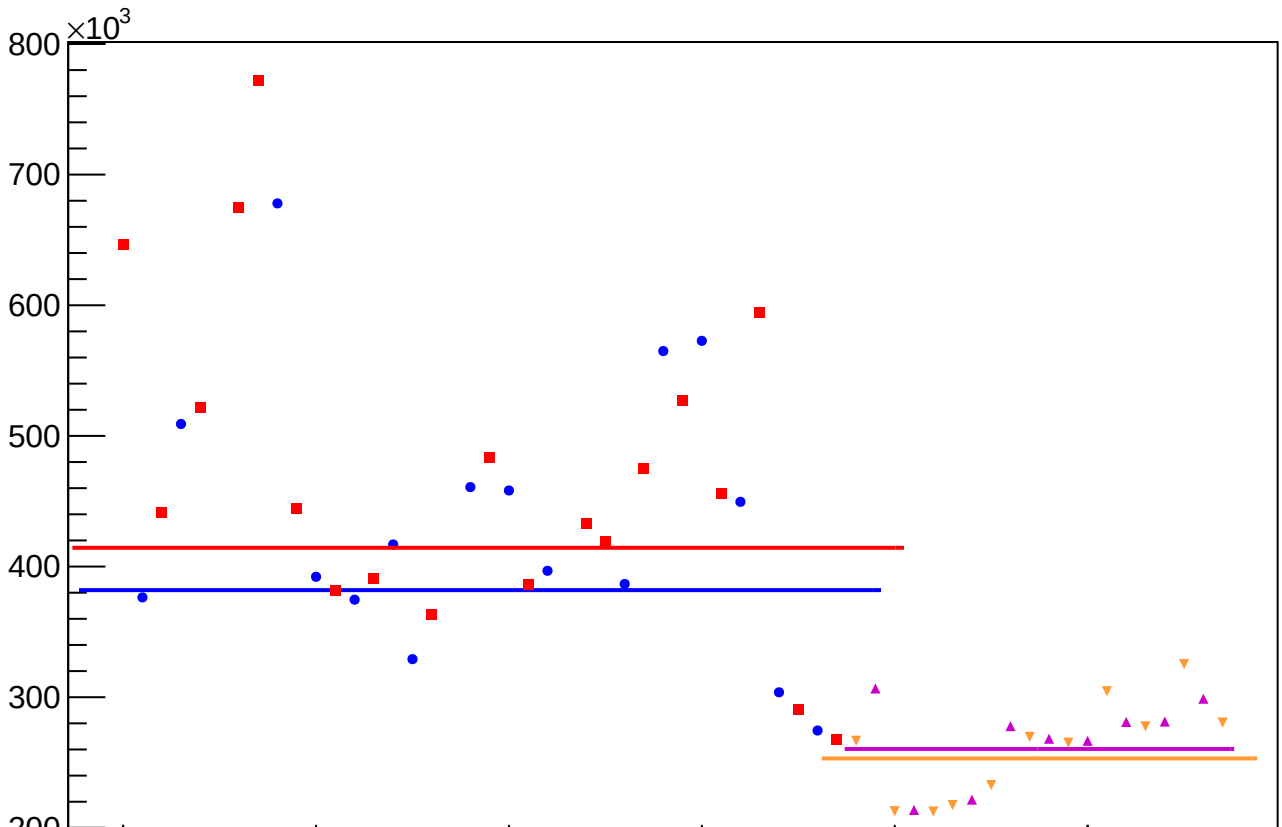
Left In: -44.036+/-93.926 χ^2/NDF:7.1/8

+ sign -346.282+/-74.957 χ^2/NDF: 52.5/26

All: -233.622+/-54.872 χ^2/NDF: 79.8/54

- sign -103.535+/-80.546 χ^2/NDF: 22.5/27

diff_cav4cX_rms vs Slug



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 253152.991+/-61.561 χ^2/NDF:318463.3/10

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

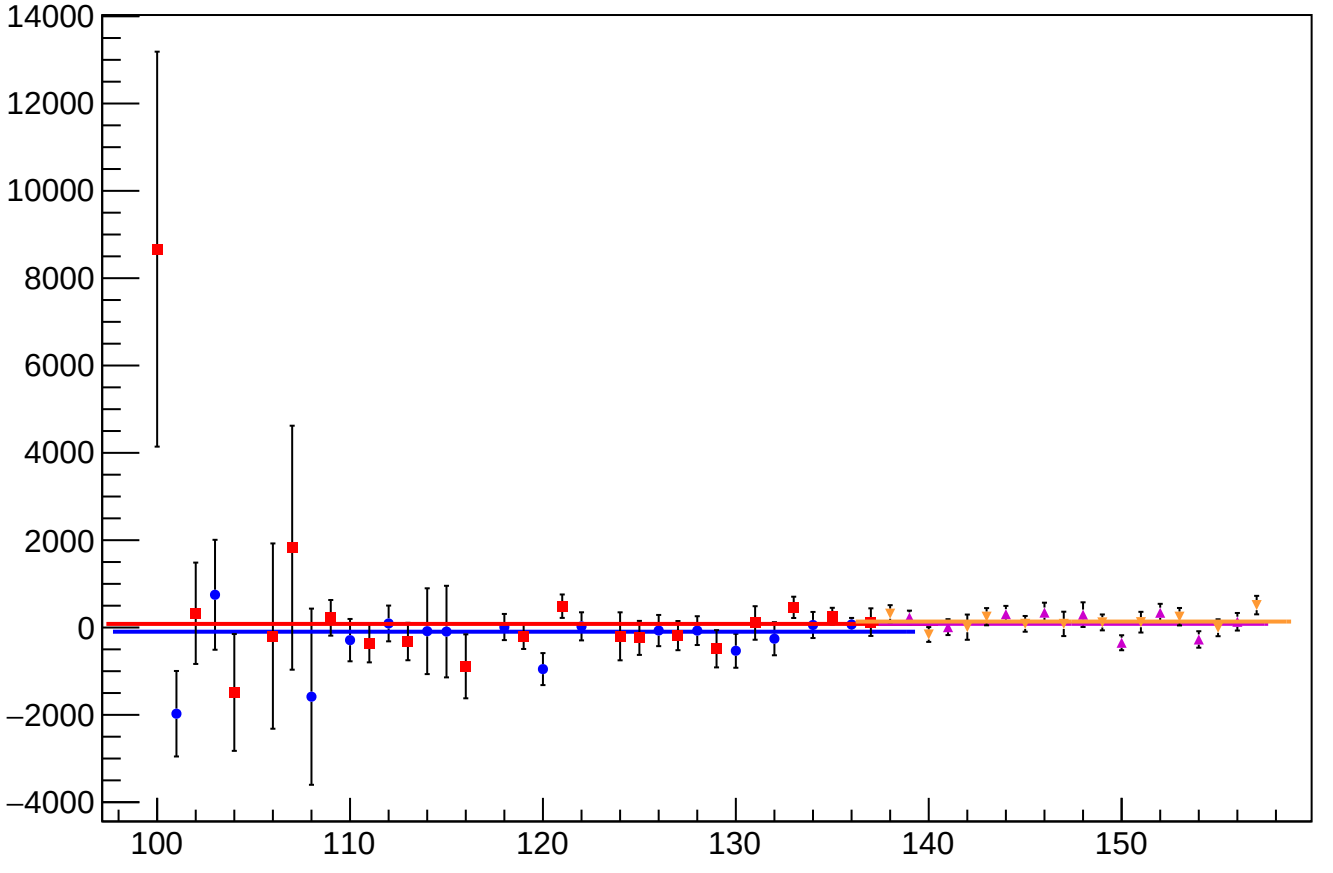
Left In: 260384.092+/-66.416 χ^2/NDF:232440.6/8

+ sign 286468.851+/-53.005 χ^2/NDF: 2287248.5/26

All: 293267.183+/-38.803 χ^2/NDF: 4737244.

- sign 301117.469+/-56.959 χ^2/NDF: 2414550.7/27

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 136.578+/-61.529 χ^2/NDF:8.6/10

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

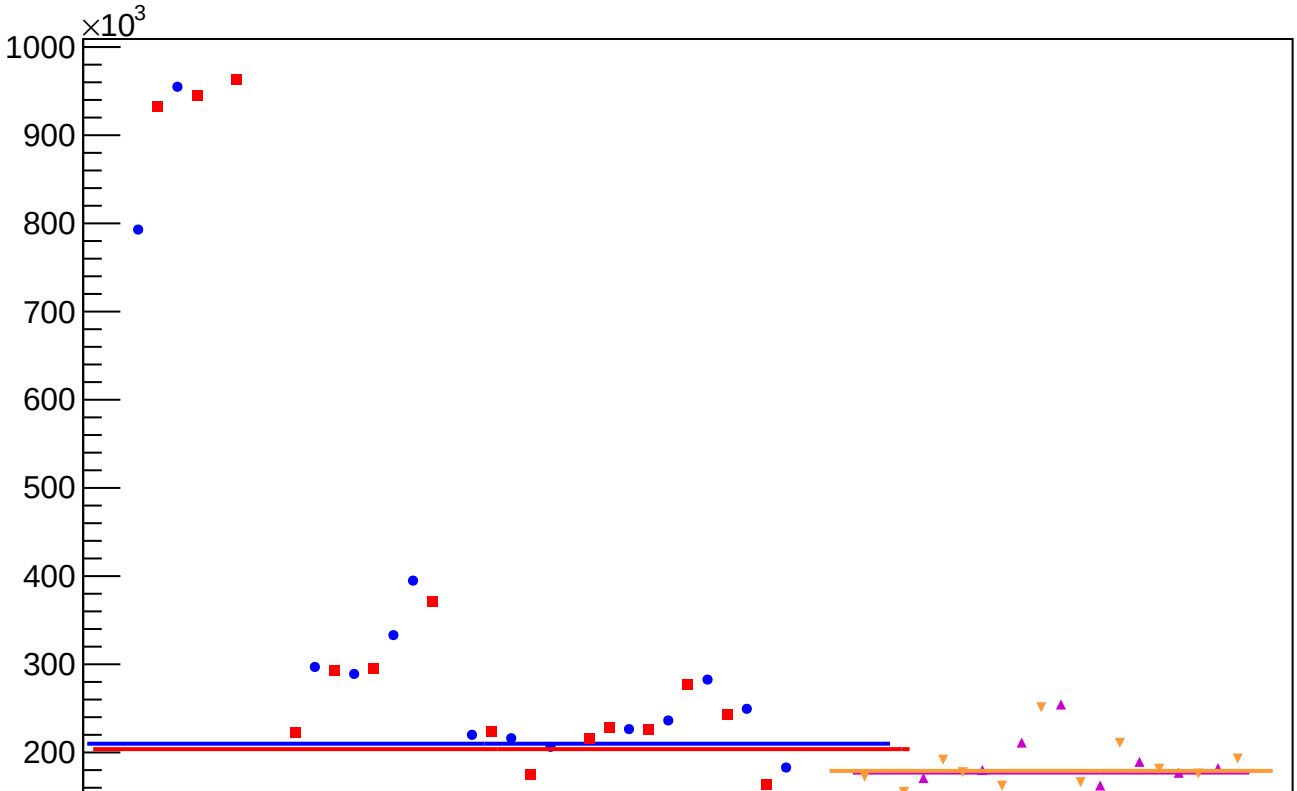
Left In: 84.580+/-64.331 χ^2/NDF:15.8/8

+ sign 60.570+/-50.476 χ^2/NDF: 26.9/26

All: 71.952+/-36.148 χ^2/NDF: 61.9/54

- sign 83.936+/-51.792 χ^2/NDF: 34.9/27

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179093.688+/-43.508 χ^2/NDF:252013.4/10

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

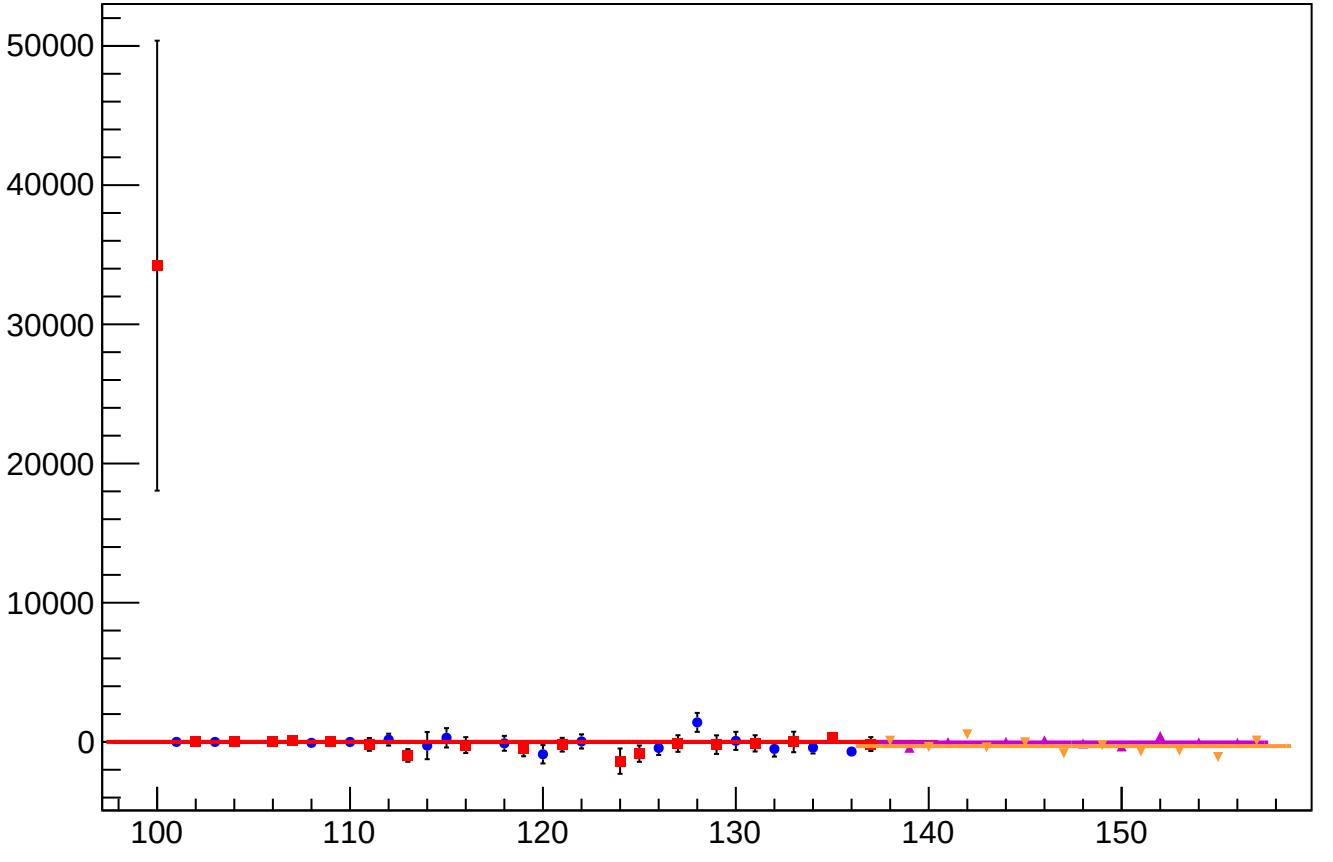
Left In: 177188.968+/-45.489 χ^2/NDF:320477.3/8

+ sign 189153.904+/-35.712 χ^2/NDF: 2375789.2/25

All: 187870.904+/-25.579 χ^2/NDF: 4889356.

- sign 186519.316+/-36.654 χ^2/NDF: 2510916.9/25

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -300.142+/-72.764 χ^2/NDF:31.2/10

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

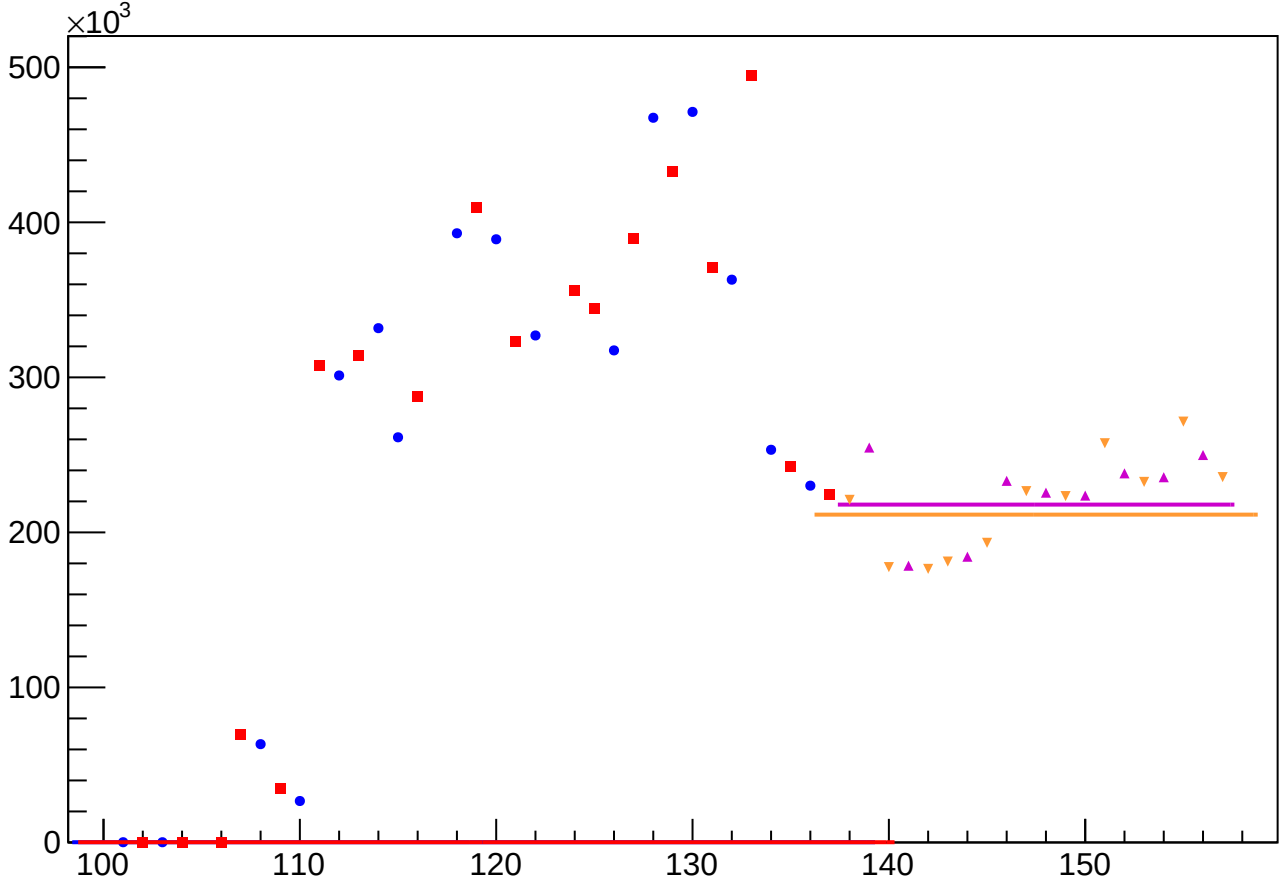
Left In: -38.196+/-78.632 χ^2/NDF:7.1/8

+ sign -0.037+/-0.172 χ^2/NDF: 66.3/26

All: -0.208+/-0.117 χ^2/NDF: 91.9/54

- sign -0.355+/-0.160 χ^2/NDF: 23.8/27

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 211460.144+/-51.452 χ^2/NDF:333945.1/10

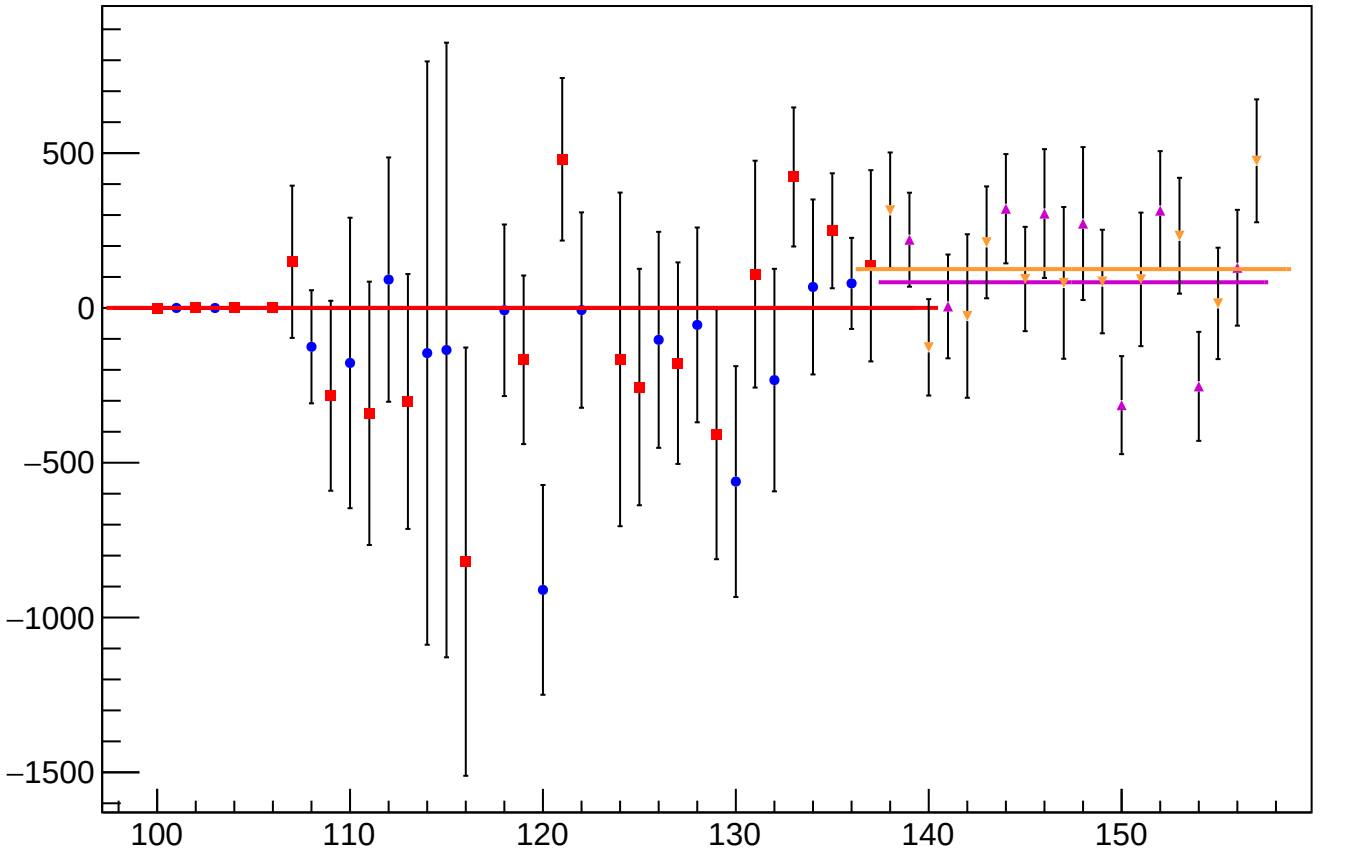
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 217928.539+/-55.601 χ^2/NDF:240042.5/8

+ sign 150.276+/-0.122 χ^2/NDF: 28503020.4/26

All: 150.279+/-0.083 χ^2/NDF: 55372979.1/53

- sign 150.282+/-0.113 χ^2/NDF: 26869958.7/26



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 125.364+/-56.907 χ^2/NDF:8.2/10

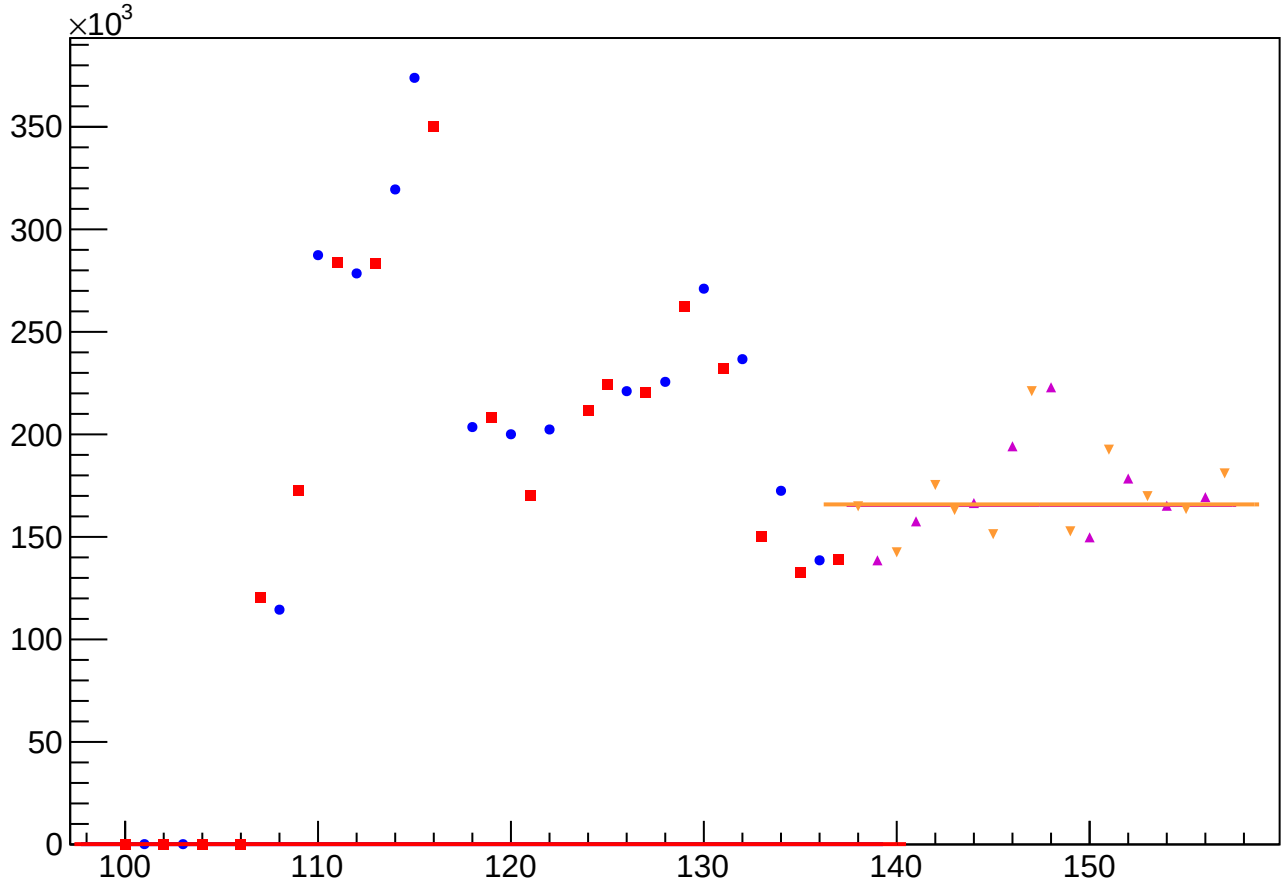
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 82.874+/-59.923 χ^2/NDF:16.0/8

+ sign -0.067+/-0.177 χ^2/NDF: 24.3/26

All: 0.036+/-0.121 χ^2/NDF: 58.1/54

- sign 0.127+/-0.166 χ^2/NDF: 33.2/27



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 165851.101+/-40.239 χ^2/NDF:220342.9/10

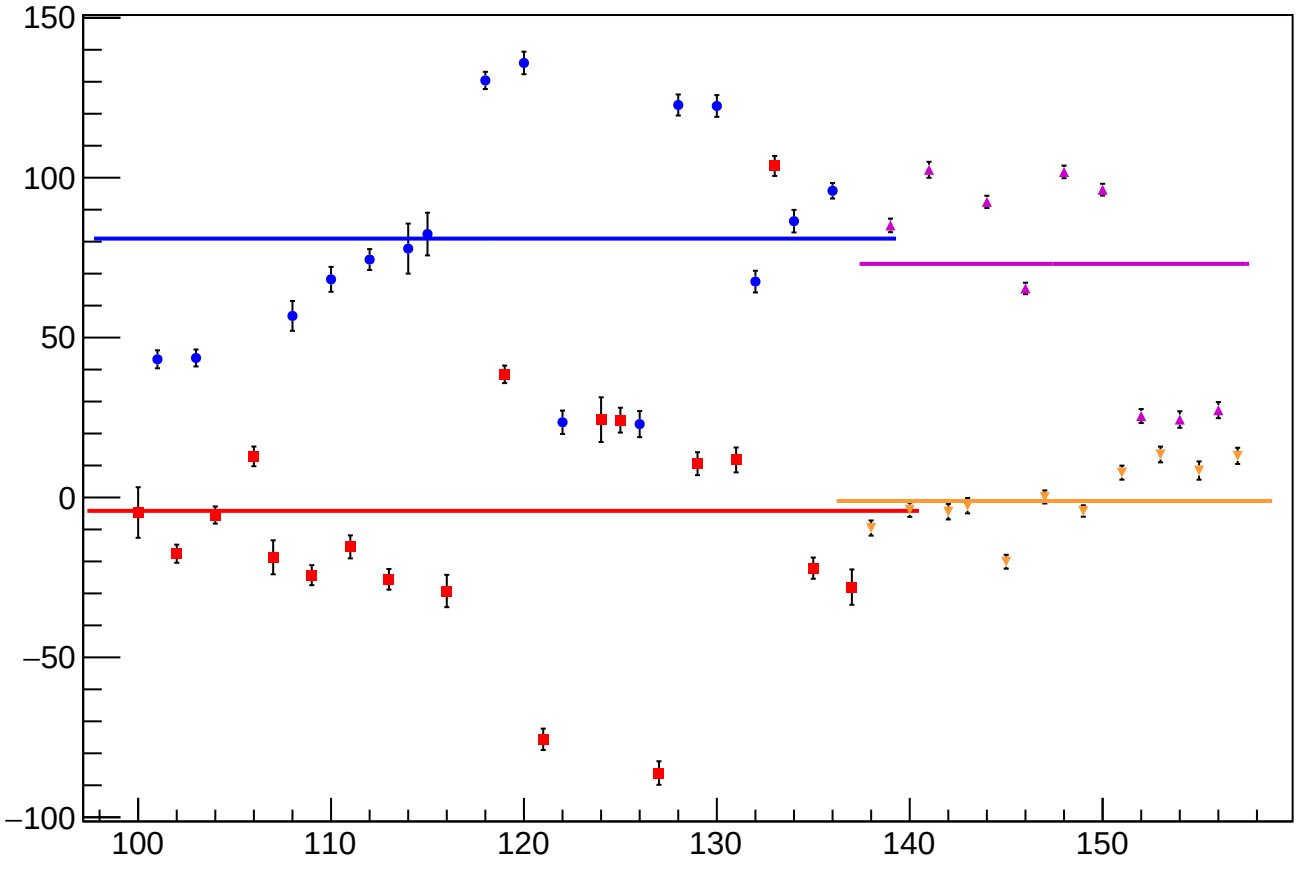
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165560.900+/-42.372 χ^2/NDF:243420.8/8

+ sign 155.067+/-0.125 χ^2/NDF: 29081305.8/26

All: 156.325+/-0.086 χ^2/NDF: 55894179.6/54

- sign 157.434+/-0.118 χ^2/NDF: 26812684.2/27



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -1.100+/-0.684 χ^2/NDF:189.8/10

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

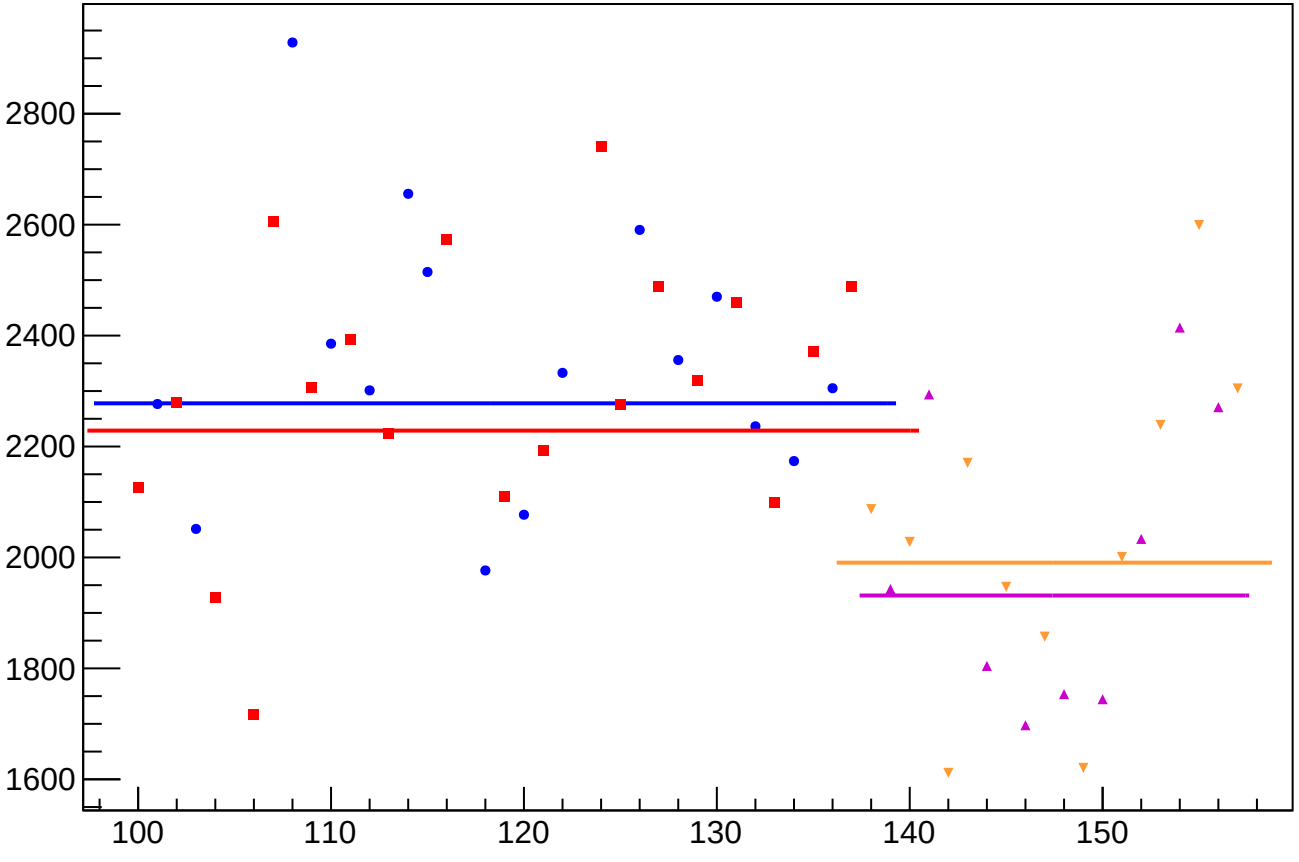
Left In: 73.053+/-0.702 χ^2/NDF:1818.3/8

+ sign 31.084+/-0.533 χ^2/NDF: 7648.3/26

All: 35.749+/-0.377 χ^2/NDF: 17460.6/54

- sign 40.413+/-0.533 χ^2/NDF: 9659.2/27

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1990.627+/-0.484 χ^2/NDF:301303.1/10

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

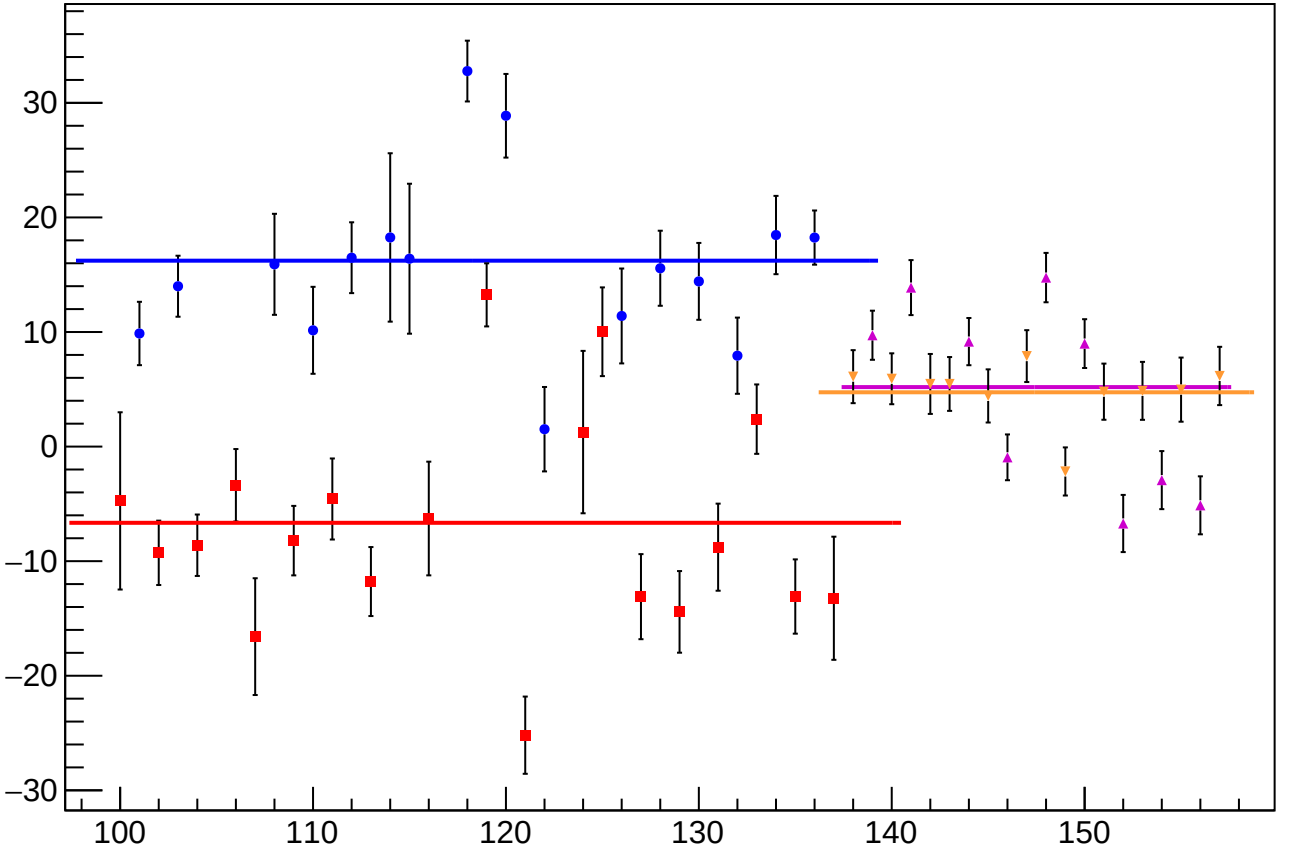
Left In: 1931.392+/-0.496 χ^2/NDF:232536.8/8

+ sign 2103.290+/-0.377 χ^2/NDF: 555412.9/26

All: 2080.156+/-0.267 χ^2/NDF: 1098367.0/54

- sign 2057.033+/-0.377 χ^2/NDF: 535427.6/27

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.739+/-0.720 χ^2/NDF:13.9/10

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

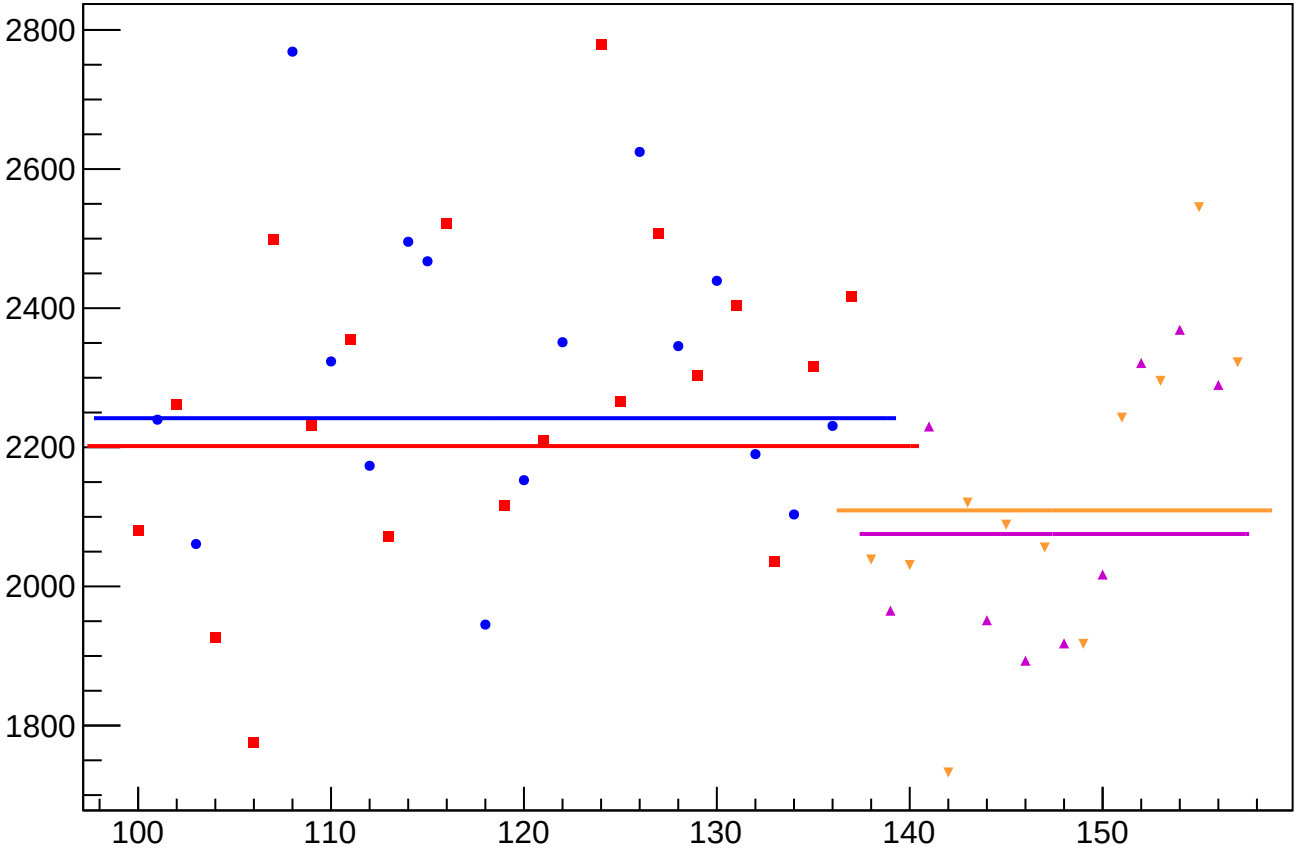
Left In: 5.193+/-0.748 χ^2/NDF:103.2/8

+ sign 9.619+/-0.546 χ^2/NDF: 206.6/26

All: 4.708+/-0.387 χ^2/NDF: 722.8/54

- sign -0.267+/-0.549 χ^2/NDF: 353.2/27

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2109.284+/-0.509 χ^2/NDF:143118.6/10

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

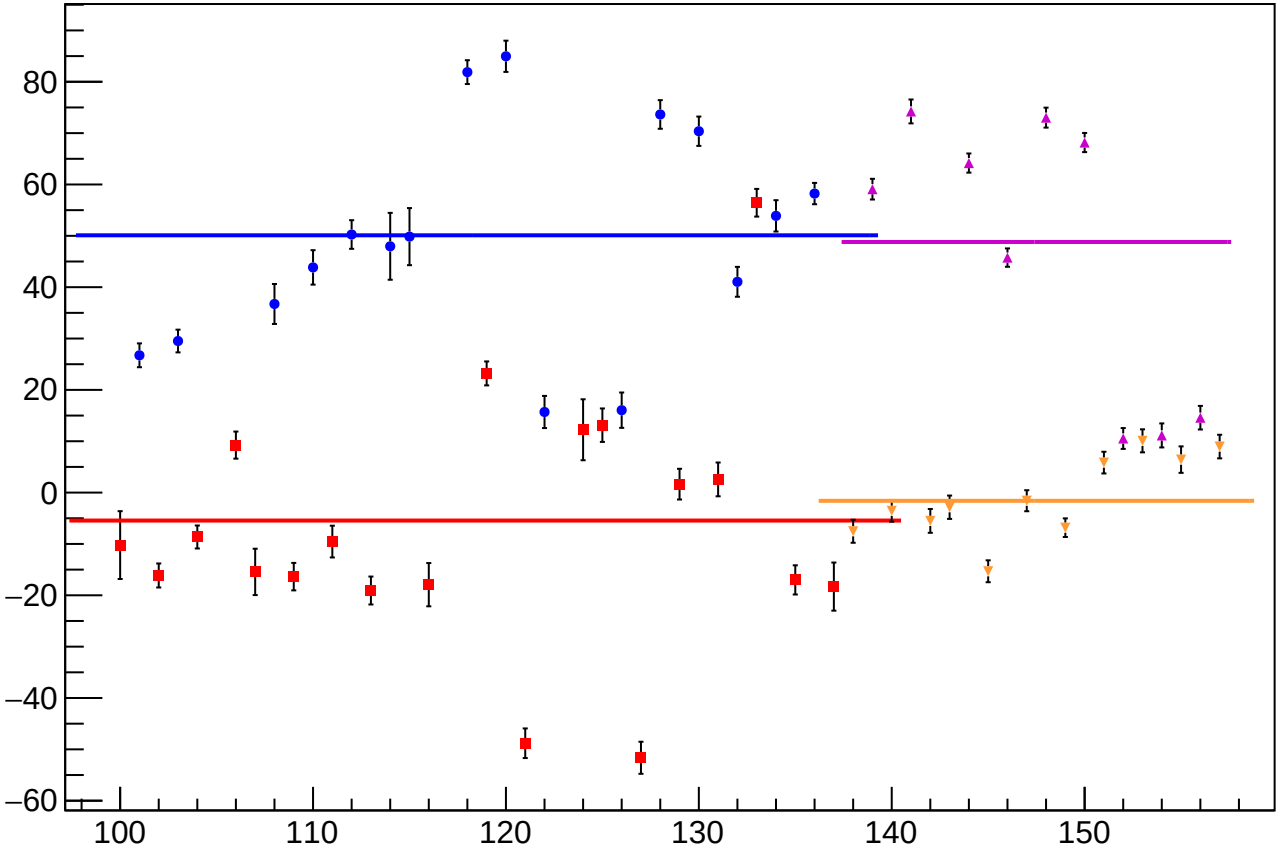
Left In: 2075.380+/-0.529 χ^2/NDF:110196.6/8

+ sign 2165.605+/-0.386 χ^2/NDF: 274194.5/26

All: 2149.715+/-0.274 χ^2/NDF: 543967.2/54

- sign 2133.621+/-0.389 χ^2/NDF: 266362.4/27

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -1.600+/-0.655 χ^2/NDF:131.1/10

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

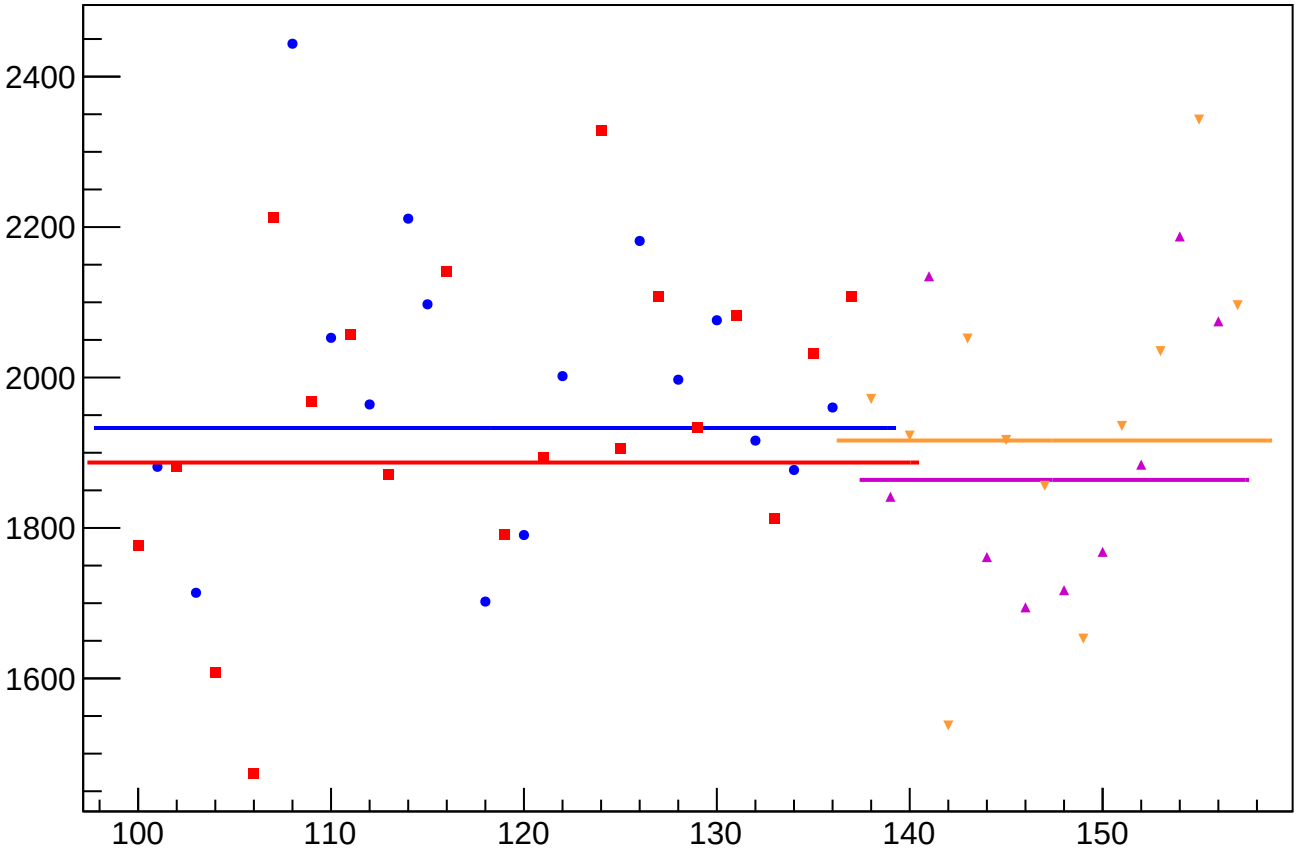
Left In: 48.804+/-0.674 χ^2/NDF:1316.0/8

\+ sign 21.749+/-0.485 χ^2/NDF: 3830.7/26

All: 22.108+/-0.343 χ^2/NDF: 9600.2/54

\- sign 22.464+/-0.484 χ^2/NDF: 5768.4/27

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1916.268+/-0.463 χ^2/NDF:178490.5/10

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

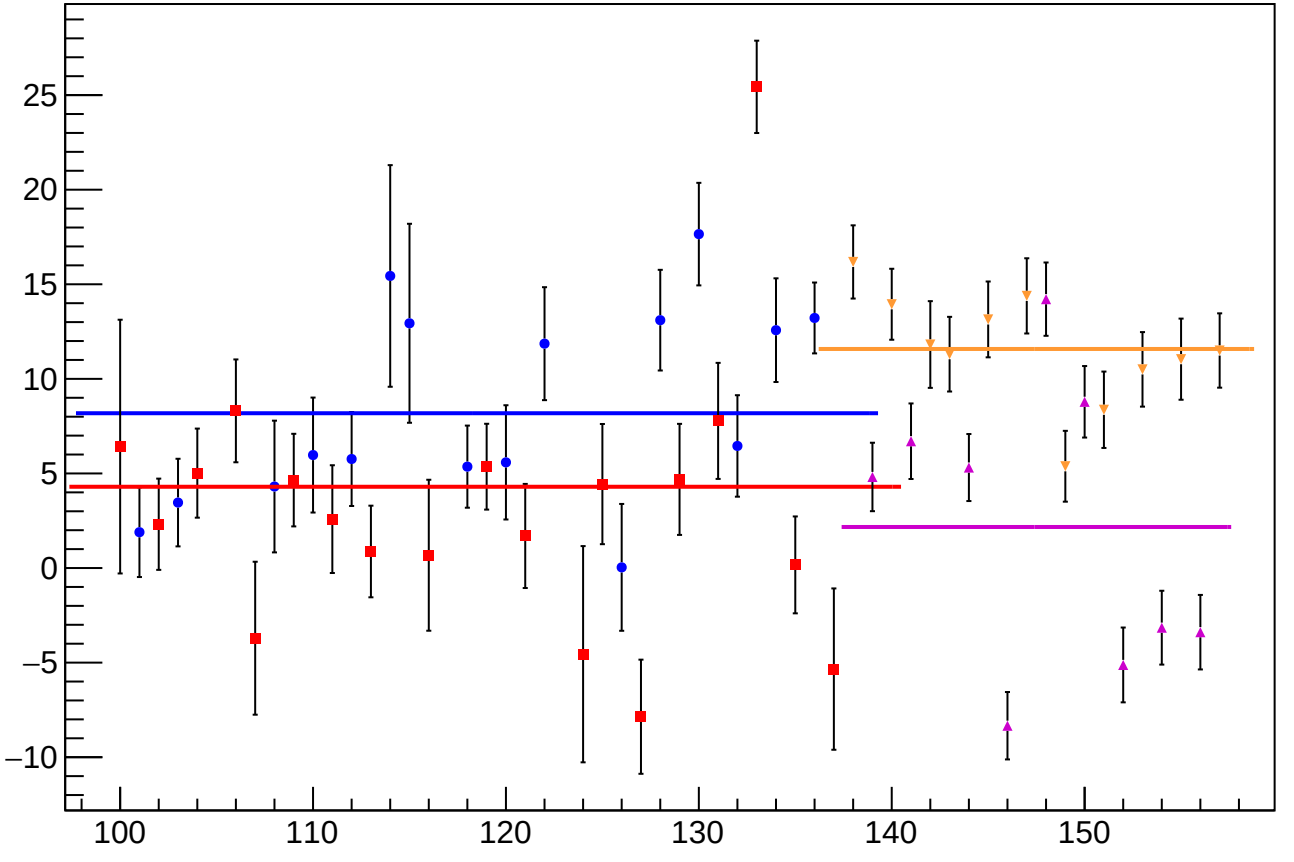
Left In: 1863.903+/-0.477 χ^2/NDF:123336.2/8

+ sign 1923.781+/-0.343 χ^2/NDF: 285040.2/26

All: 1899.375+/-0.242 χ^2/NDF: 569348.2/54

- sign 1875.120+/-0.342 χ^2/NDF: 274222.1/27

diff_bpm0i01aY_mean vs Slug



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.580+/-0.601 χ^2/NDF:23.7/10

Right Out: 4.297+/-0.665 χ^2/NDF: 114.0/18

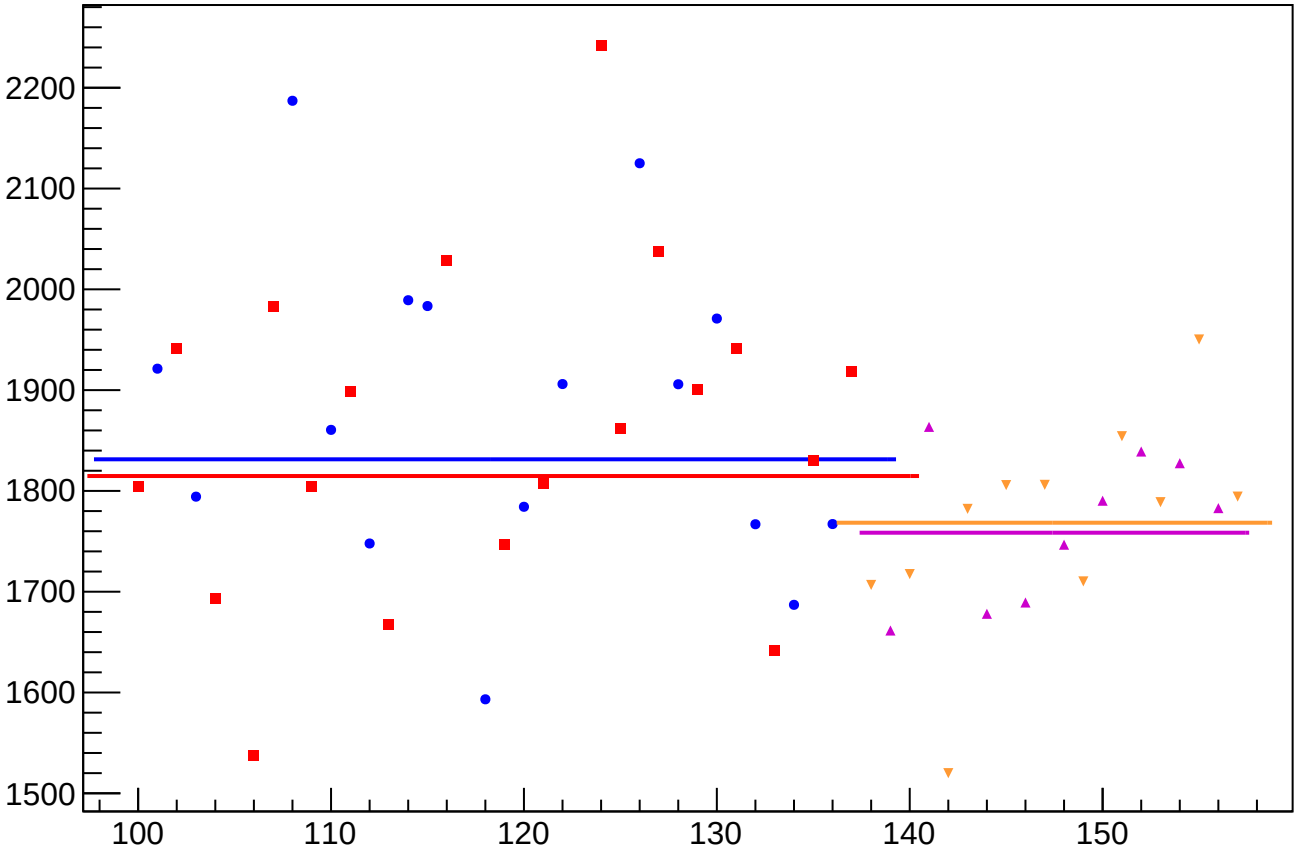
Left In: 2.170+/-0.631 χ^2/NDF:125.1/8

+ sign 10.098+/-0.452 χ^2/NDF: 89.6/26

All: 6.686+/-0.321 χ^2/NDF: 449.9/54

- sign 3.177+/-0.458 χ^2/NDF: 244.4/27

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1768.449+/-0.425 χ^2/NDF:49011.9/10

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

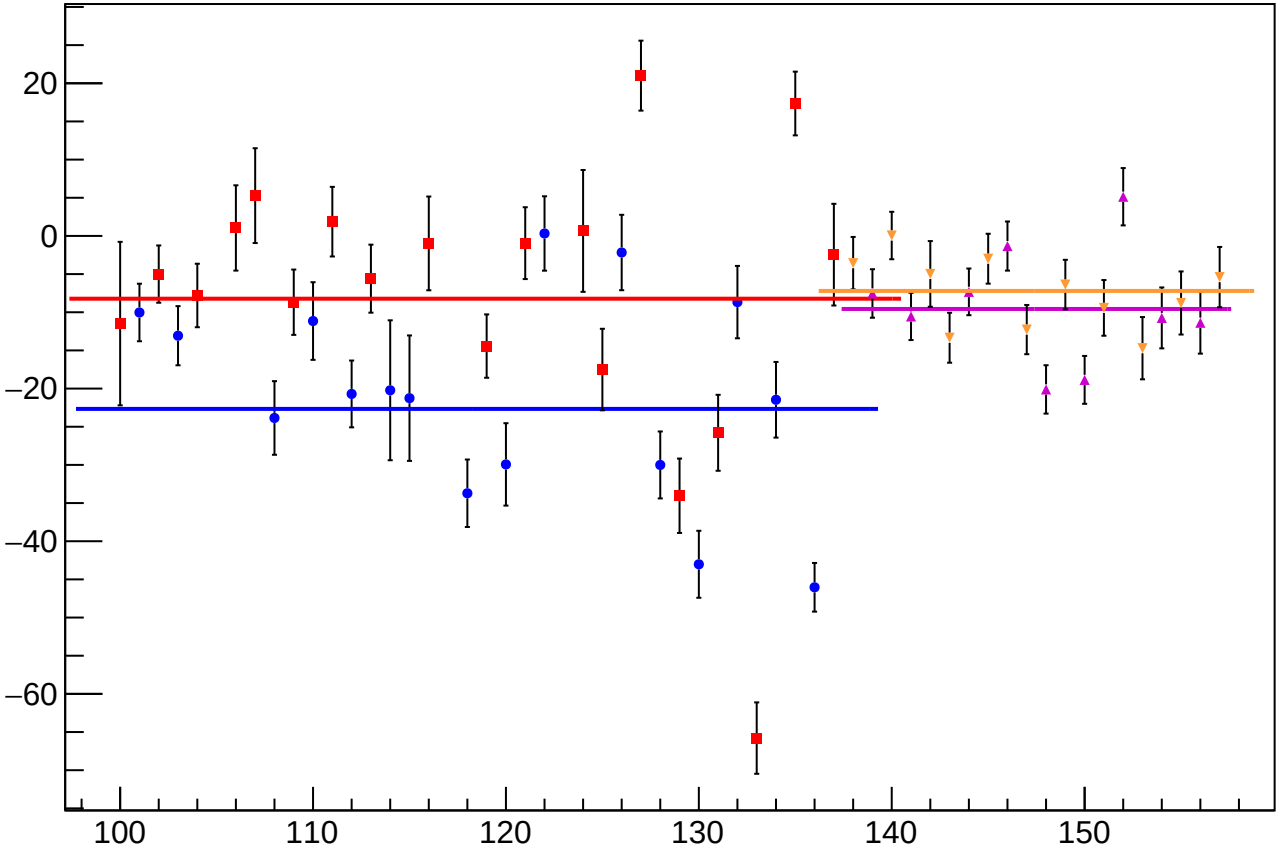
Left In: 1758.529+/-0.446 χ^2/NDF:25187.2/8

+ sign 1795.896+/-0.319 χ^2/NDF: 145480.4/26

All: 1790.599+/-0.227 χ^2/NDF: 269488.8/54

- sign 1785.153+/-0.324 χ^2/NDF: 123450.2/27

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.204+/-1.067 χ^2/NDF:18.7/10

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

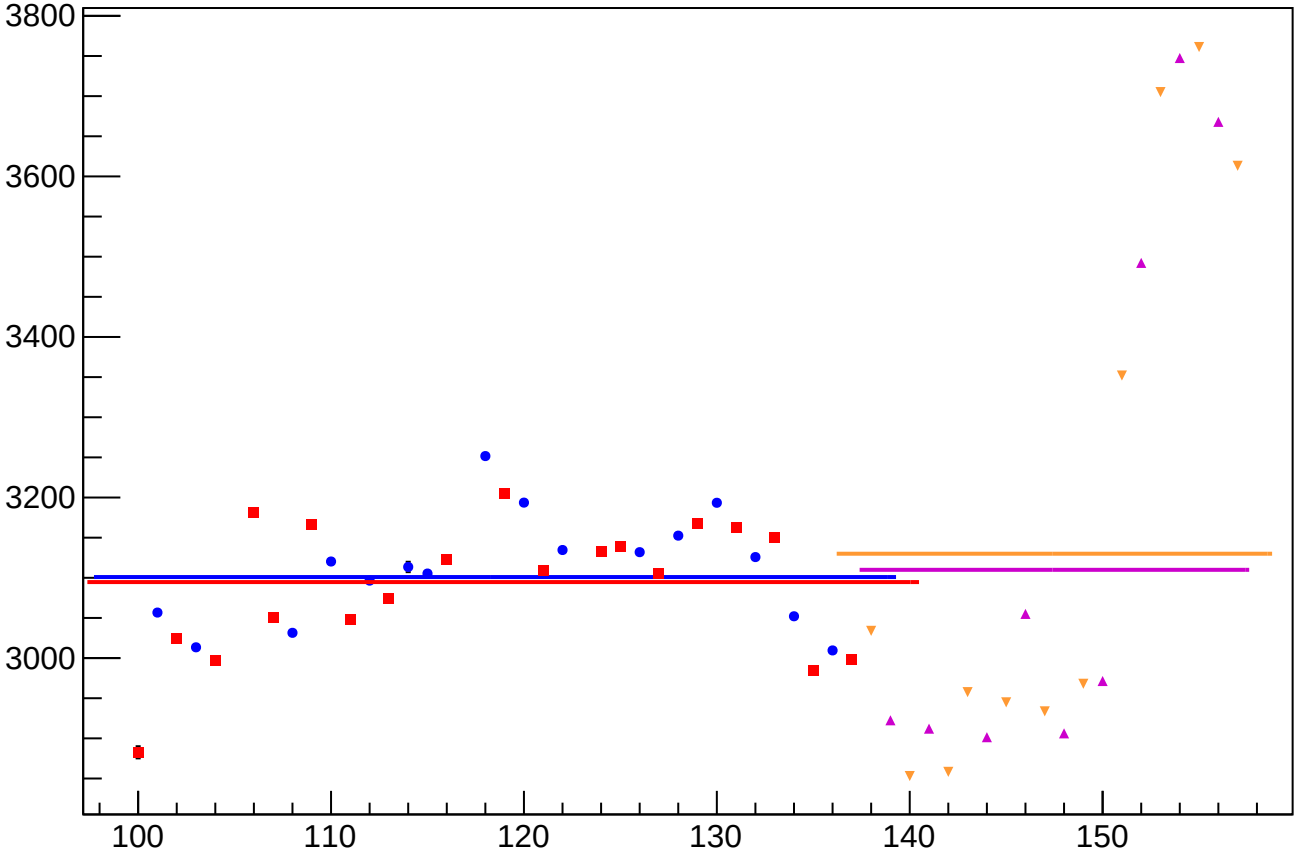
Left In: -9.569+/-1.116 χ^2/NDF:43.1/8

+ sign -14.344+/-0.783 χ^2/NDF: 272.8/26

All: -11.661+/-0.557 χ^2/NDF: 635.2/54

- sign -8.904+/-0.794 χ^2/NDF: 338.6/27

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3130.010+/-0.755 χ^2/NDF:173508.2/10

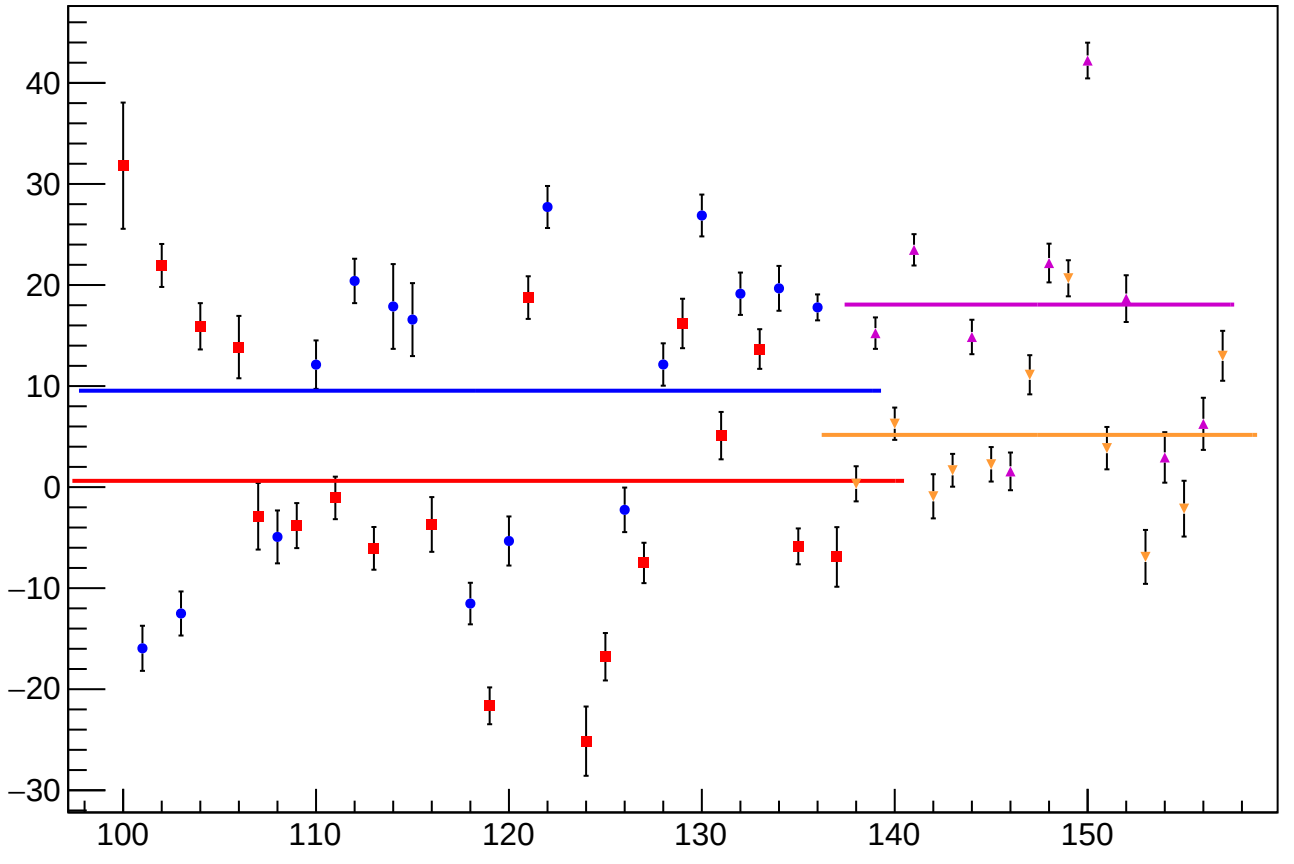
Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3109.948+/-0.789 χ^2/NDF:146901.4/8

+ sign 3116.584+/-0.554 χ^2/NDF: 182087.3/26

All: 3109.592+/-0.394 χ^2/NDF: 338081.6/54

- sign 3102.405+/-0.561 χ^2/NDF: 155670.7/27



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.168+/-0.587 χ^2/NDF:146.2/10

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

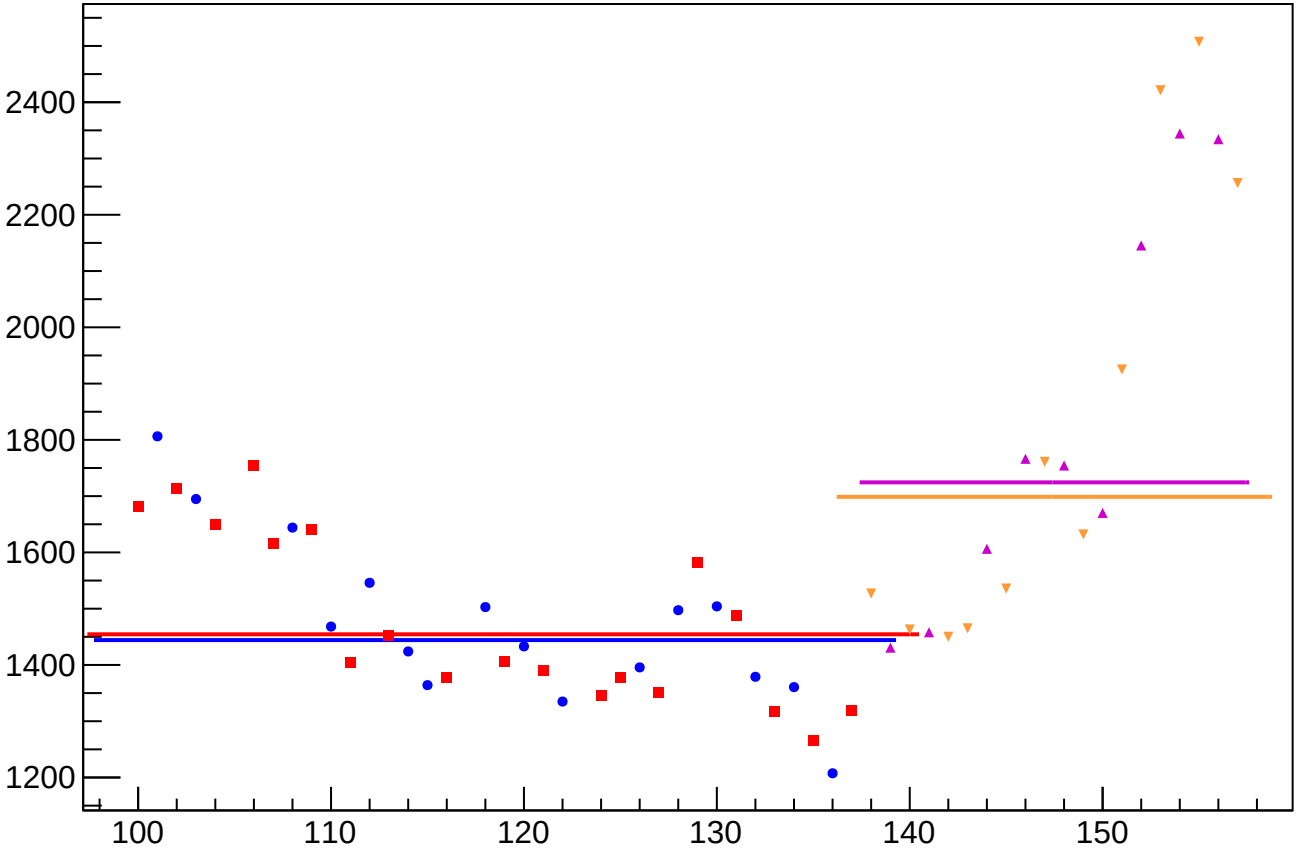
Left In: 18.064+/-0.626 χ^2/NDF:346.3/8

+ sign 7.533+/-0.398 χ^2/NDF: 874.9/26

All: 7.745+/-0.284 χ^2/NDF: 2336.7/54

- sign 7.965+/-0.406 χ^2/NDF: 1461.3/27

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1698.788+/-0.415 χ^2/NDF:597001.3/10

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

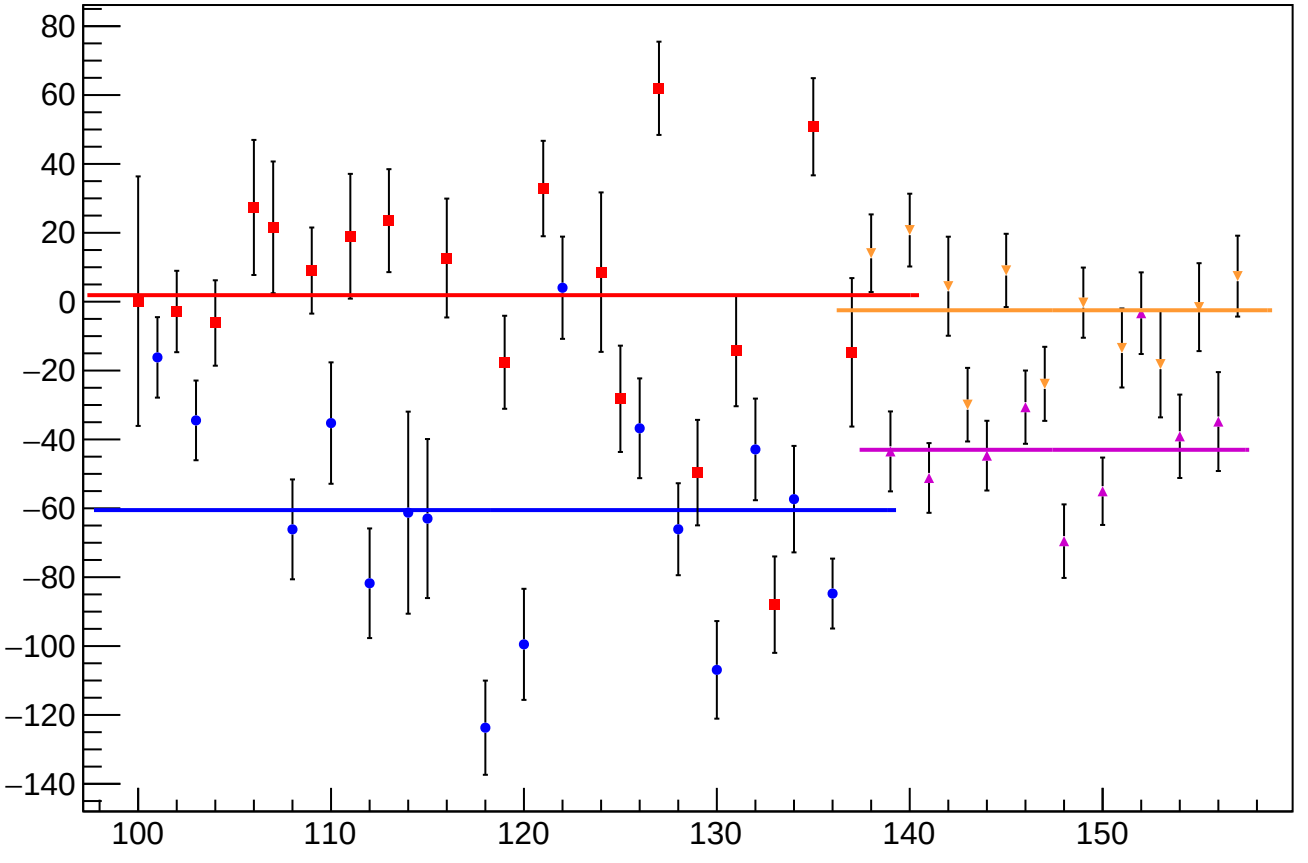
Left In: 1724.459+/-0.443 χ^2/NDF:444358.9/8

+ sign 1561.102+/-0.281 χ^2/NDF: 980326.9/26

All: 1564.557+/-0.201 χ^2/NDF: 1782961.6/54

- sign 1568.158+/-0.287 χ^2/NDF: 802326.9/27

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.492+/-3.477 χ^2/NDF:21.7/10

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

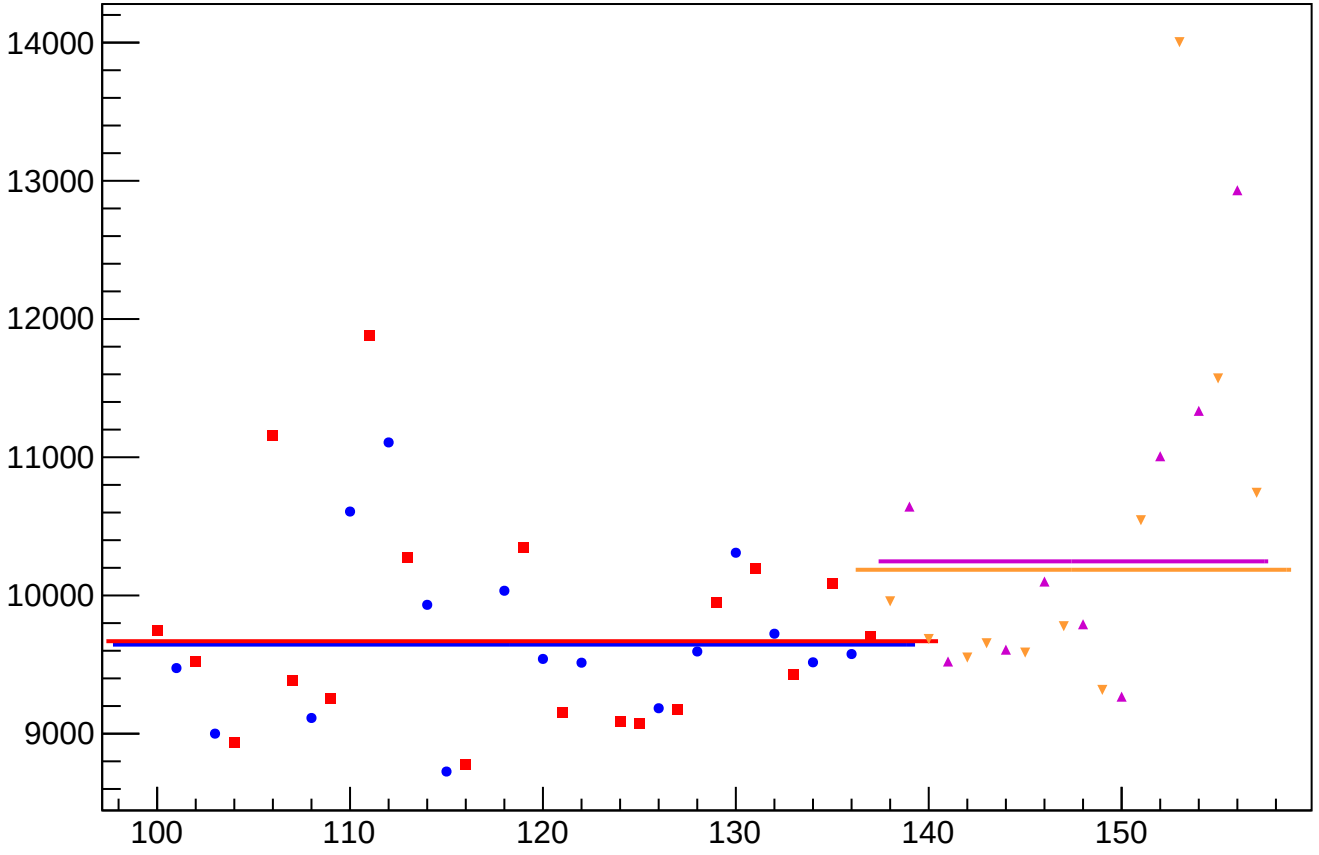
Left In: -43.007+/-3.682 χ^2/NDF:21.3/8

+ sign -30.530+/-2.500 χ^2/NDF: 246.5/26

All: -25.226+/-1.786 χ^2/NDF: 458.1/54

- sign -19.695+/-2.553 χ^2/NDF: 202.4/27

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10185.937+/-2.459 χ^2/NDF:189763.5/10

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

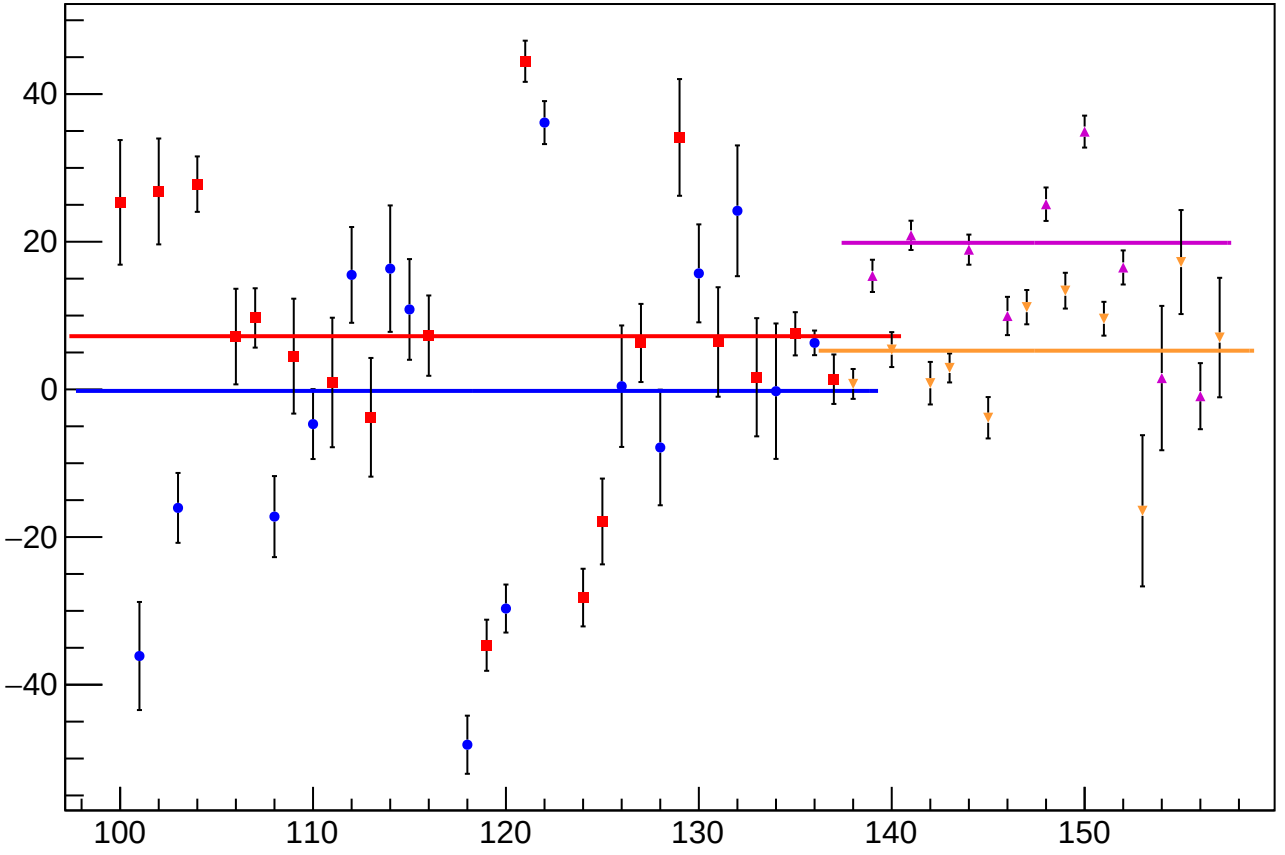
Left In: 10246.754+/-2.603 χ^2/NDF:138914.5/8

+ sign 9924.257+/-1.768 χ^2/NDF: 257302.1/26

All: 9935.319+/-1.263 χ^2/NDF: 501735.5/54

- sign 9946.854+/-1.805 χ^2/NDF: 244353.4/27

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.242+/-0.811 χ^2/NDF:47.9/10

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

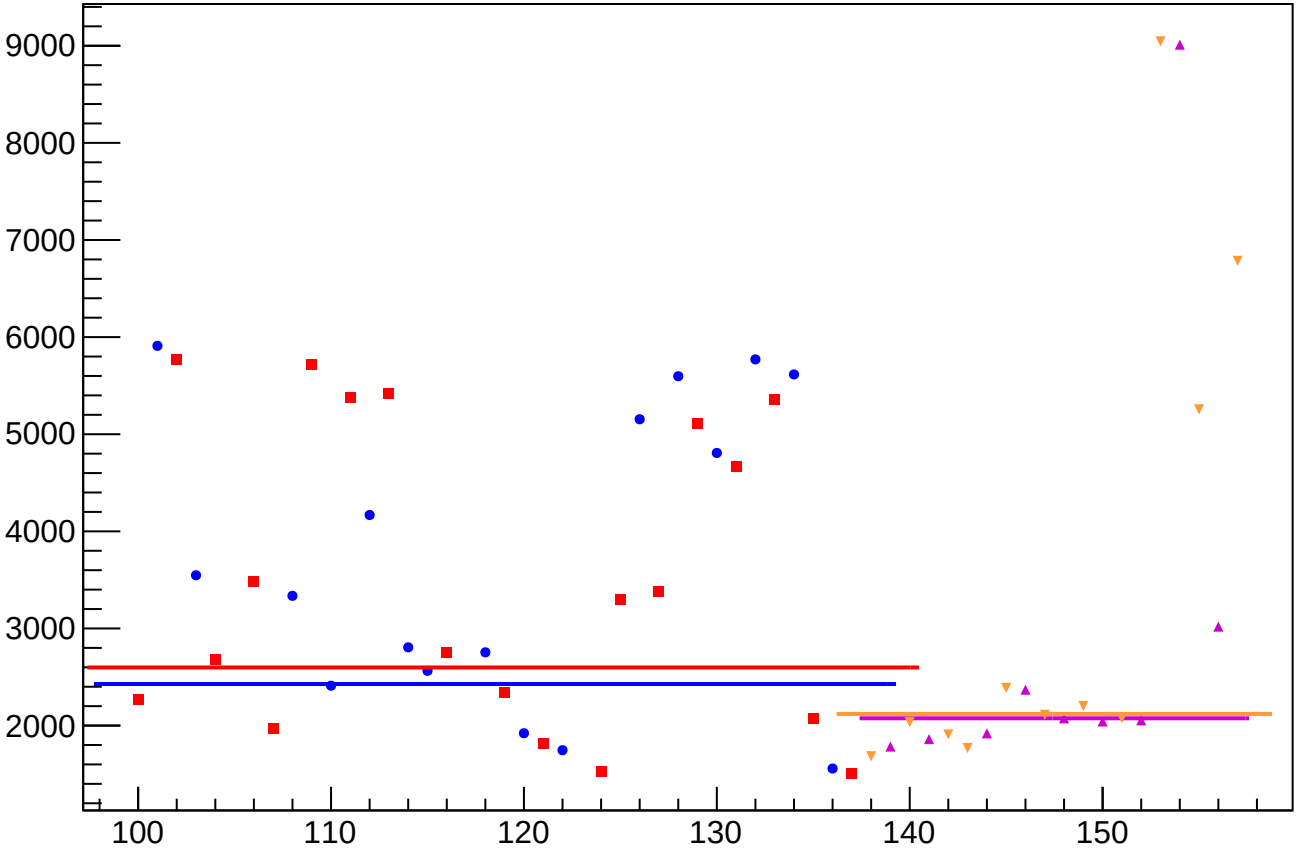
Left In: 19.854+/-0.814 χ^2/NDF:100.2/8

+ sign 3.196+/-0.641 χ^2/NDF: 538.6/26

All: 9.143+/-0.456 χ^2/NDF: 1387.0/54

- sign 15.238+/-0.649 χ^2/NDF: 674.0/27

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2120.053+/-0.573 χ^2/NDF:2167133.0/10

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

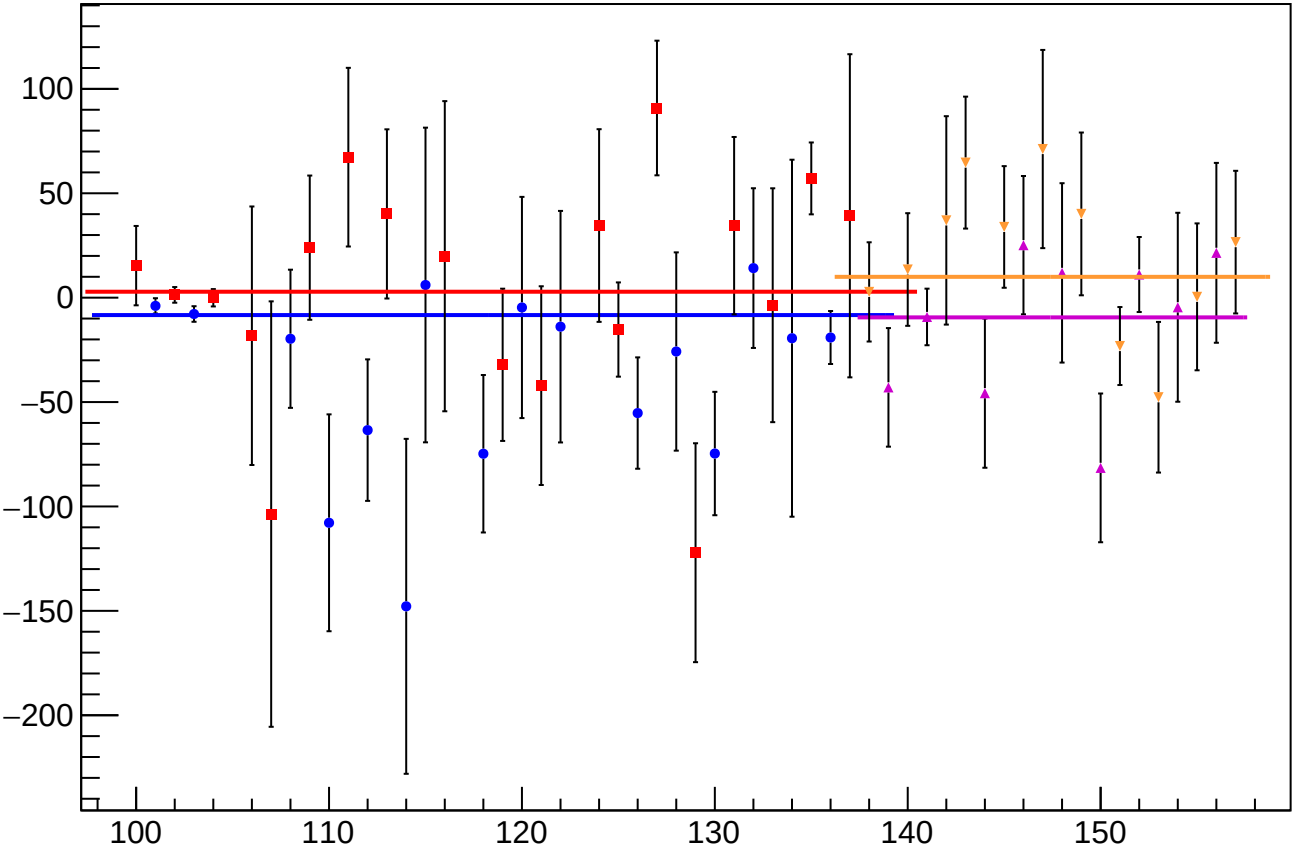
Left In: 2074.981+/-0.575 χ^2/NDF:1192643.1/8

+ sign 2235.745+/-0.453 χ^2/NDF: 5090898.6/26

All: 2250.672+/-0.322 χ^2/NDF: 9102463.5/54

- sign 2265.970+/-0.459 χ^2/NDF: 4009366.5/27

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.979+/-9.080 χ^2/NDF:12.3/10

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

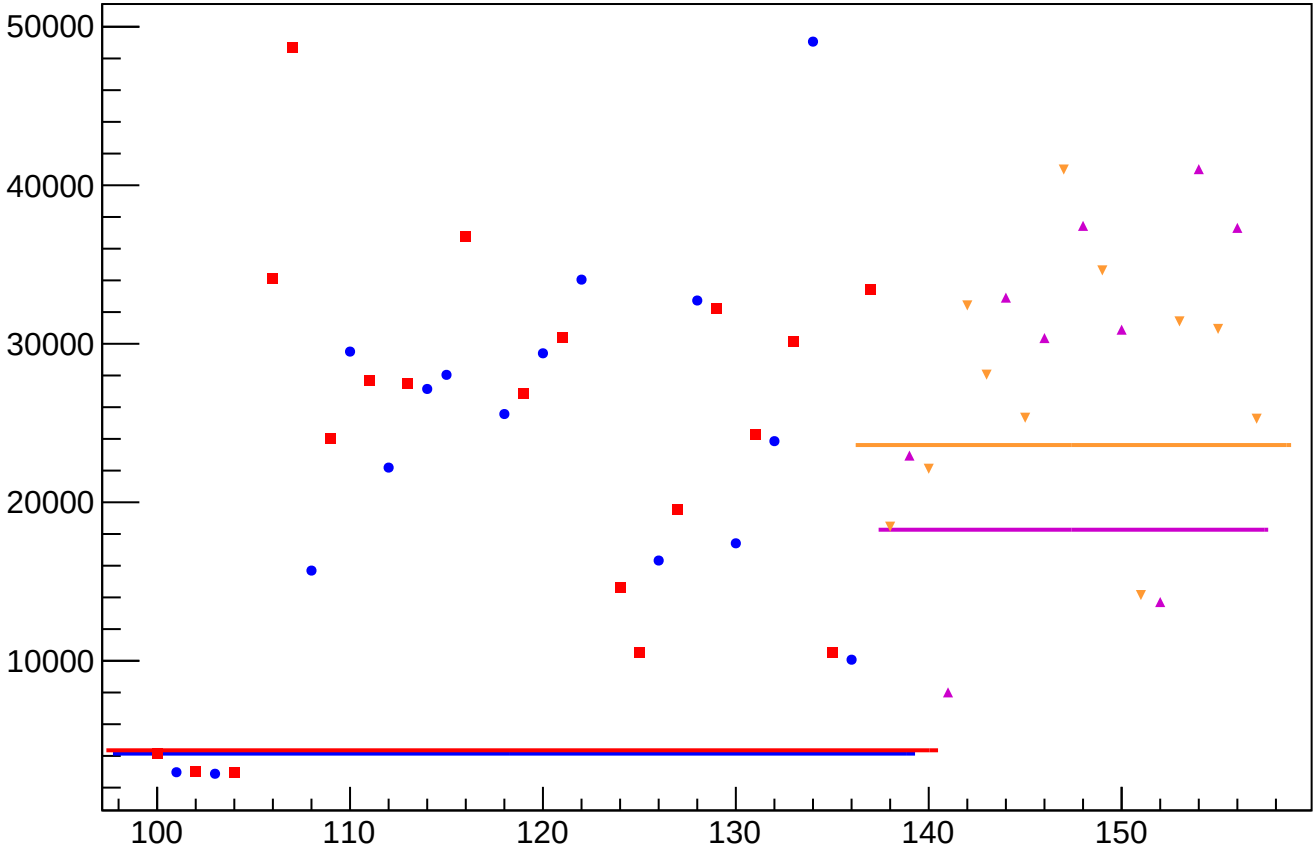
Left In: -9.440+/-8.502 χ^2/NDF:9.7/8

+ sign -7.043+/-2.410 χ^2/NDF: 39.6/26

All: -2.836+/-1.742 χ^2/NDF: 90.2/54

- sign 1.768+/-2.521 χ^2/NDF: 44.2/27

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23612.098+/-6.420 χ^2/NDF:1335537.1/10

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

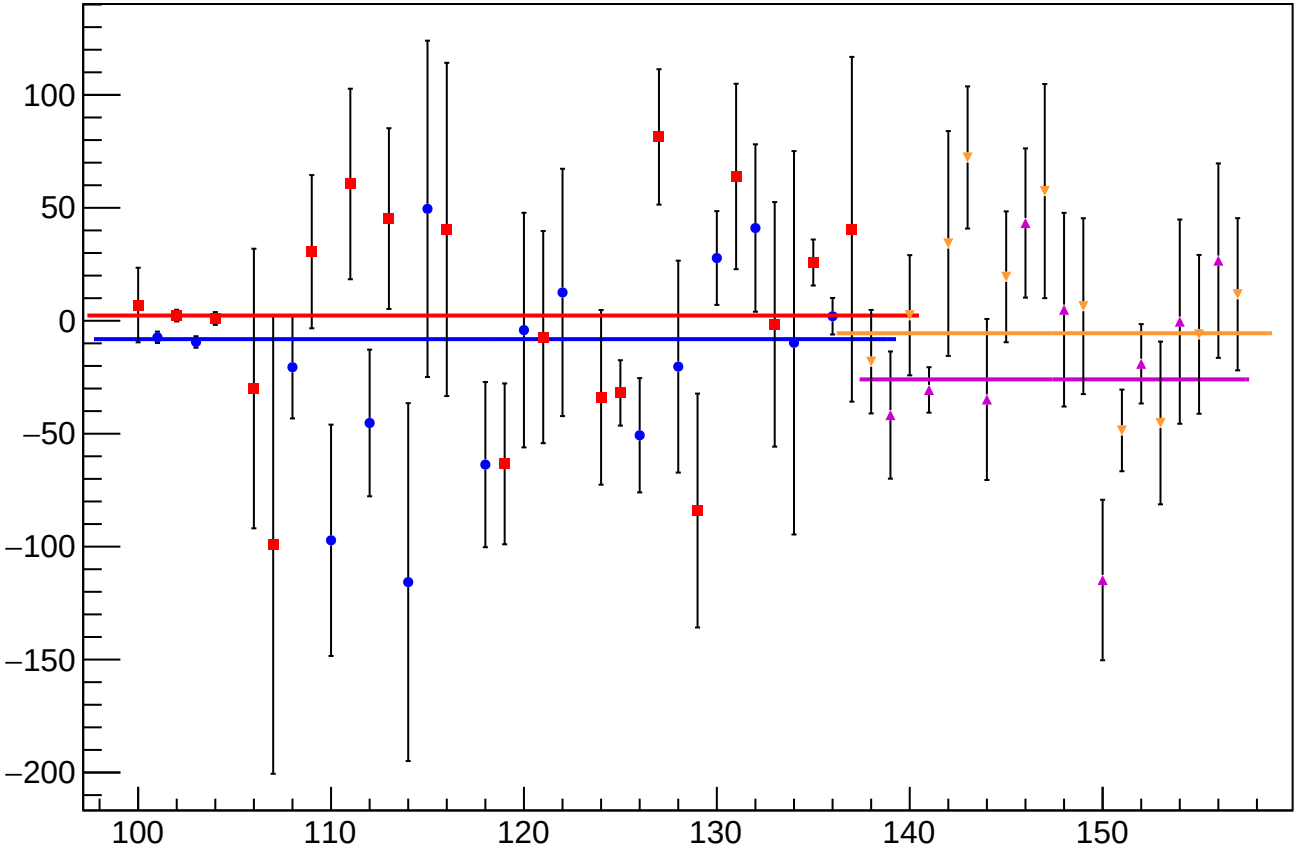
Left In: 18269.827+/-6.012 χ^2/NDF:3478220.6/8

+ sign 5516.862+/-1.704 χ^2/NDF: 16717448.8/26

All: 5546.011+/-1.232 χ^2/NDF: 32708188.5/5

- sign 5577.909+/-1.783 χ^2/NDF: 15990126.8/27

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -5.521+/-8.926 χ^2/NDF:16.9/10

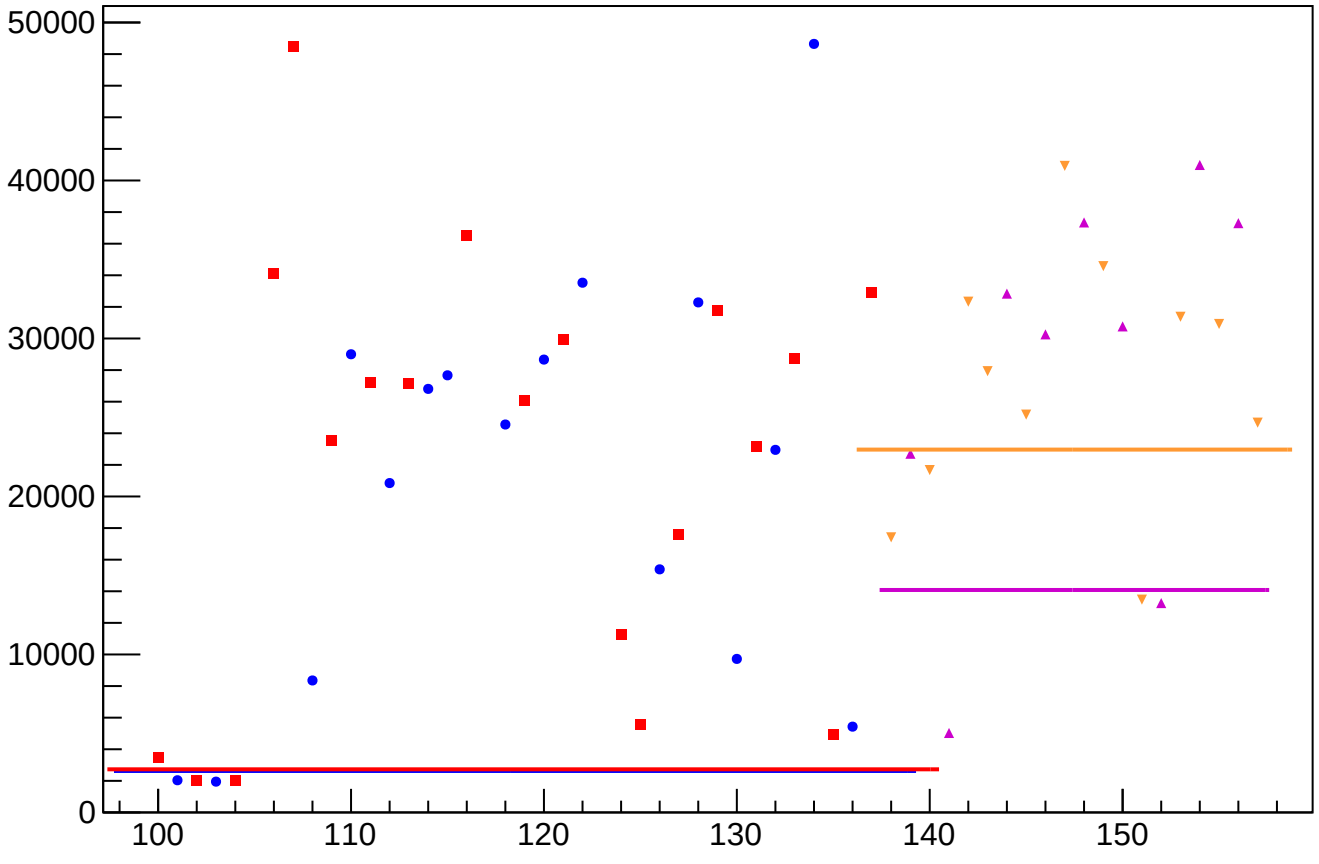
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -25.948+/-7.364 χ^2/NDF:13.7/8

+ sign -8.039+/-1.689 χ^2/NDF: 36.1/26

All: -3.872+/-1.222 χ^2/NDF: 109.5/54

- sign 0.694+/-1.768 χ^2/NDF: 60.7/27



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22967.058+/-6.312 χ^2/NDF:1488135.7/10

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

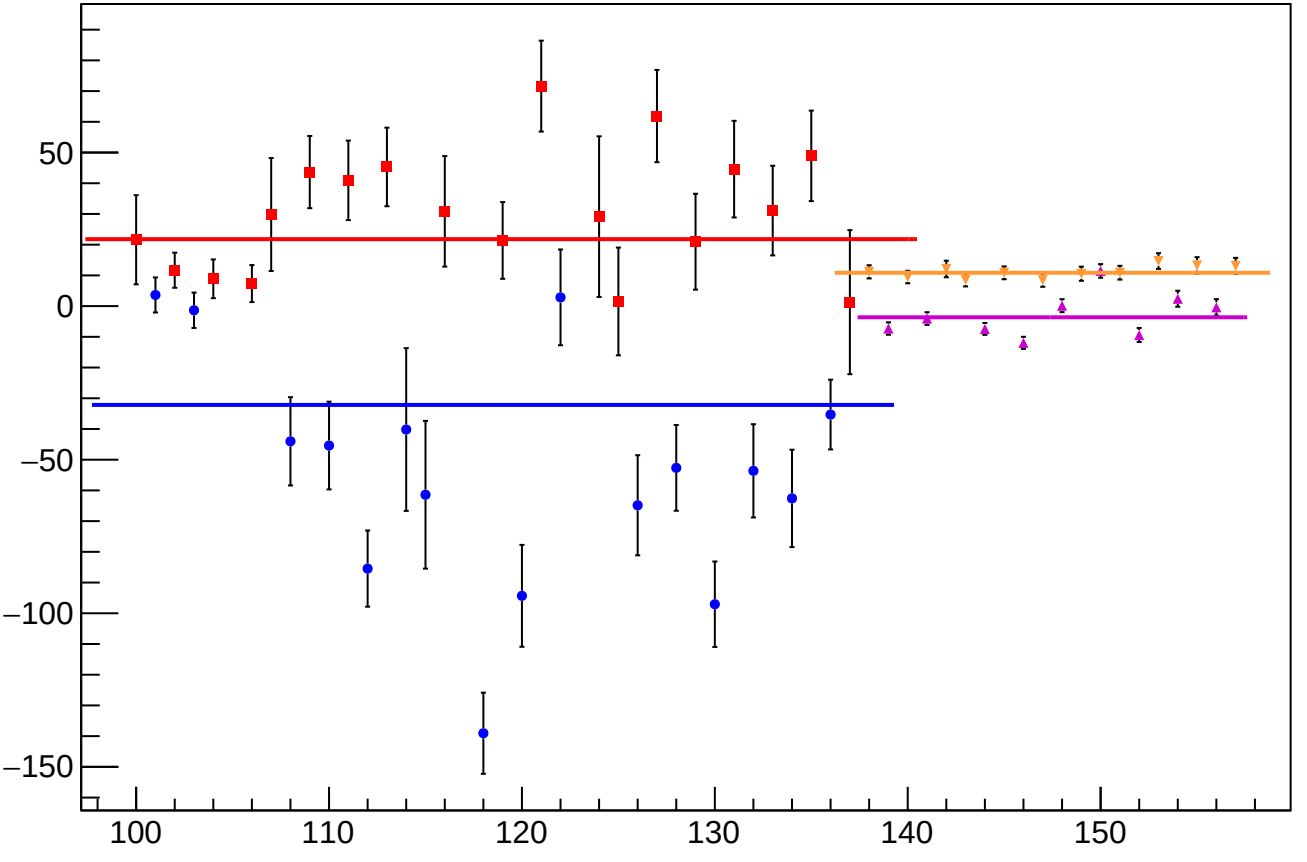
Left In: 14081.604+/-5.207 χ^2/NDF:5162969.3/8

+ sign 3354.941+/-1.195 χ^2/NDF: 18282301.0/26

All: 3369.205+/-0.864 χ^2/NDF: 35909920.9/5

- sign 3384.835+/-1.250 χ^2/NDF: 17627321.1/27

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.863+/-0.691 χ^2/NDF:7.0/10

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

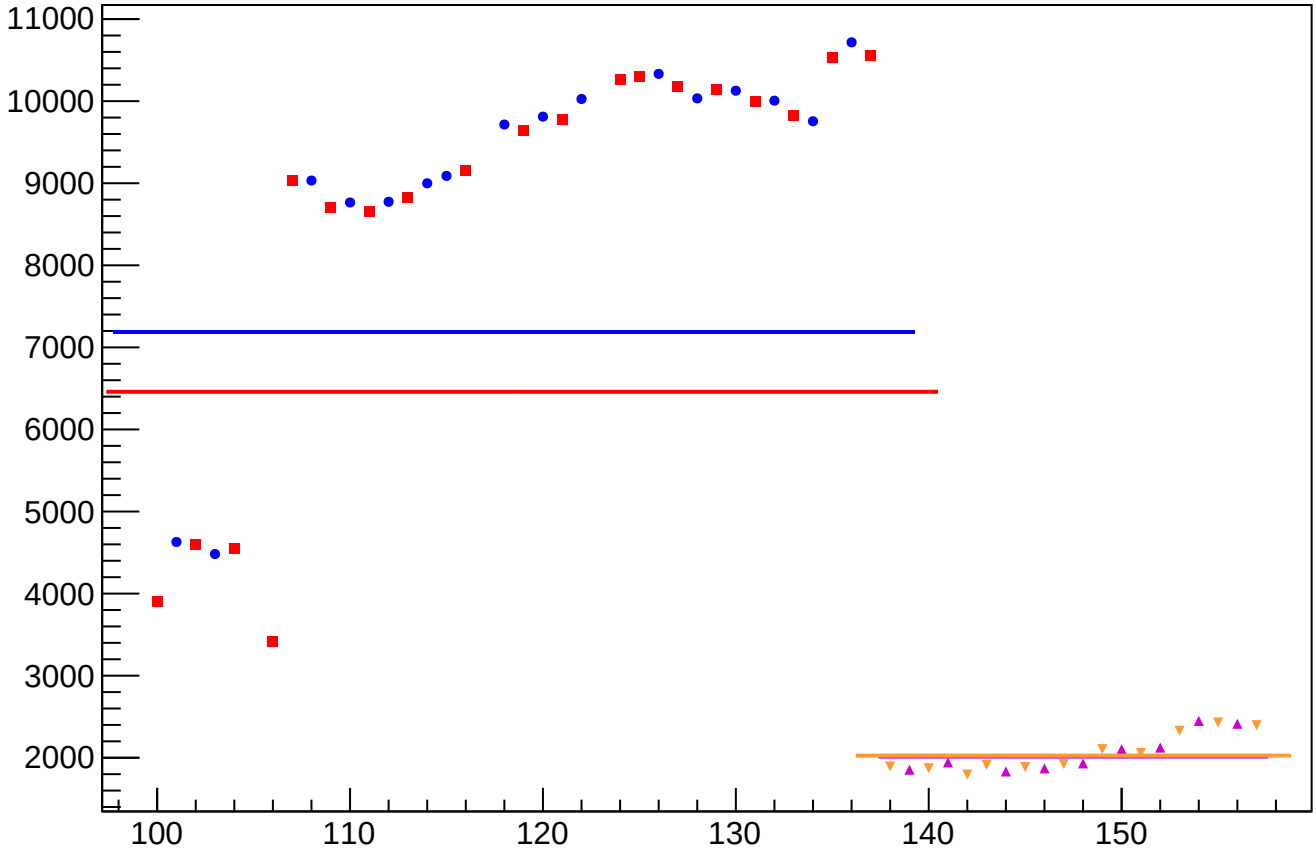
Left In: -3.642+/-0.723 χ^2/NDF:87.6/8

+ sign 8.460+/-0.671 χ^2/NDF: 431.3/26

All: 3.536+/-0.483 χ^2/NDF: 771.2/54

- sign -1.757+/-0.696 χ^2/NDF: 228.3/27

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2026.208+/-0.489 χ^2/NDF:168985.1/10

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

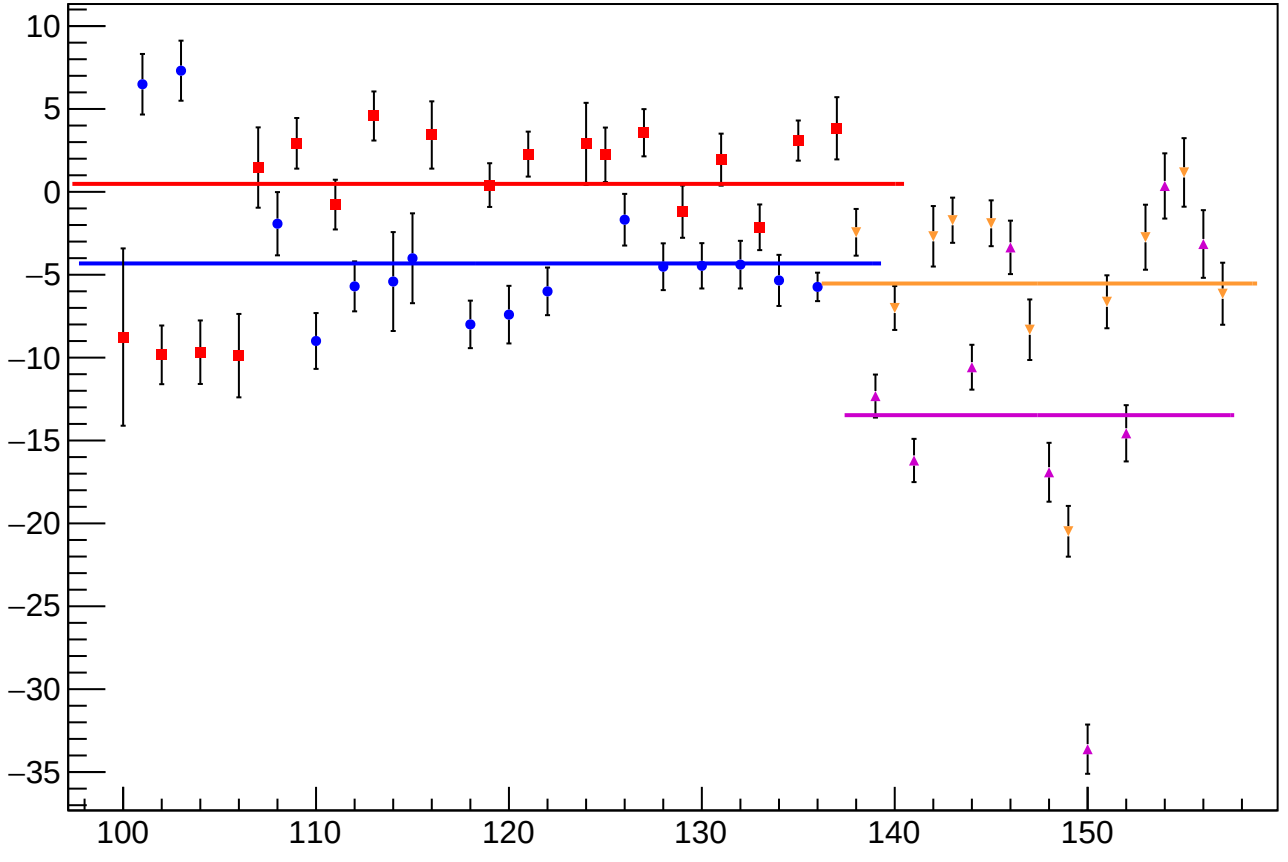
Left In: 2013.980+/-0.512 χ^2/NDF:154468.0/8

+ sign 2314.371+/-0.475 χ^2/NDF: 8103764.5/26

All: 2328.343+/-0.342 χ^2/NDF: 16131805.4/5

- sign 2343.359+/-0.492 χ^2/NDF: 8026244.3/27

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.529+/-0.480 χ^2/NDF:134.0/10

Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

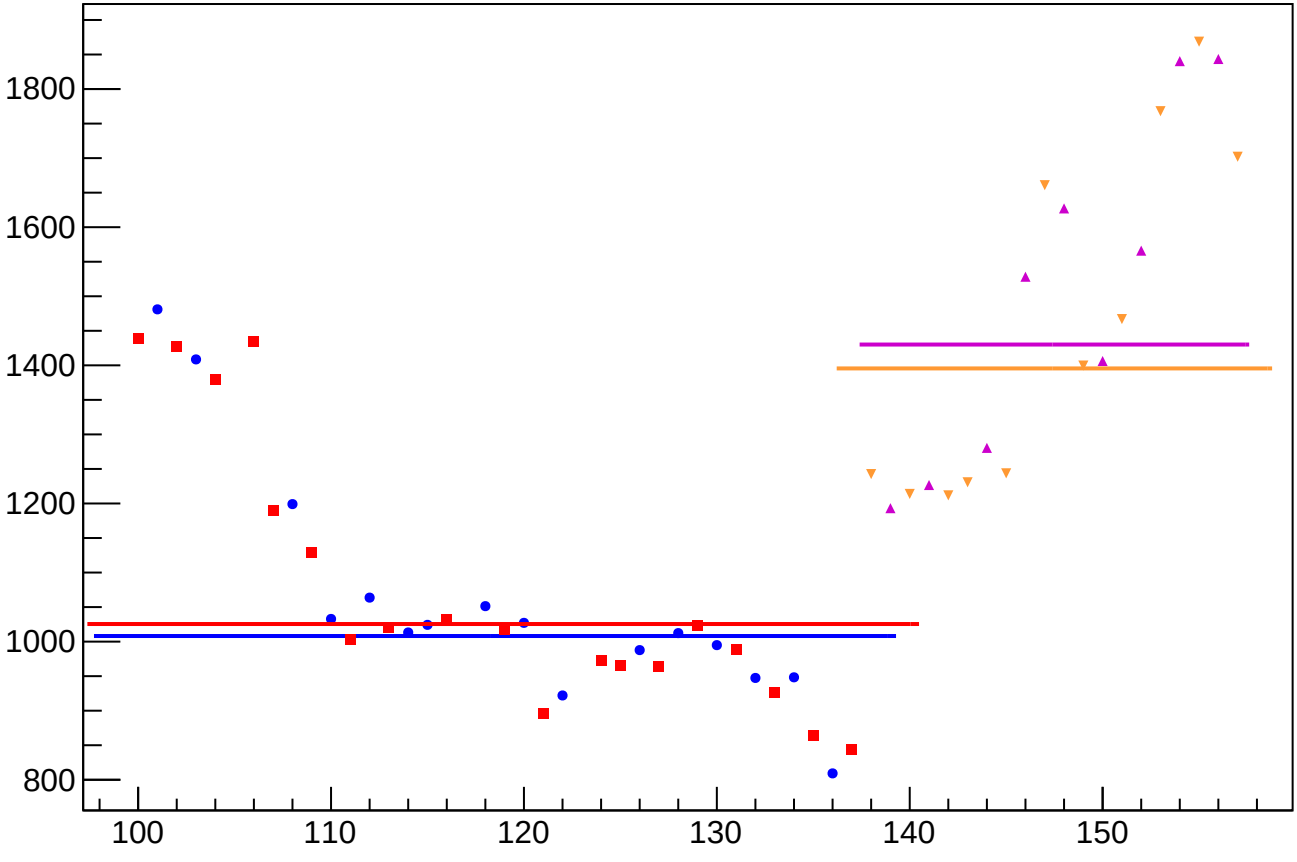
Left In: -13.471+/-0.518 χ^2/NDF:312.3/8

+ sign -4.785+/-0.298 χ^2/NDF: 241.6/26

All: -4.587+/-0.213 χ^2/NDF: 1144.9/54

- sign -4.380+/-0.306 χ^2/NDF: 902.5/27

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1395.532+/-0.340 χ^2/NDF:411627.6/10

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

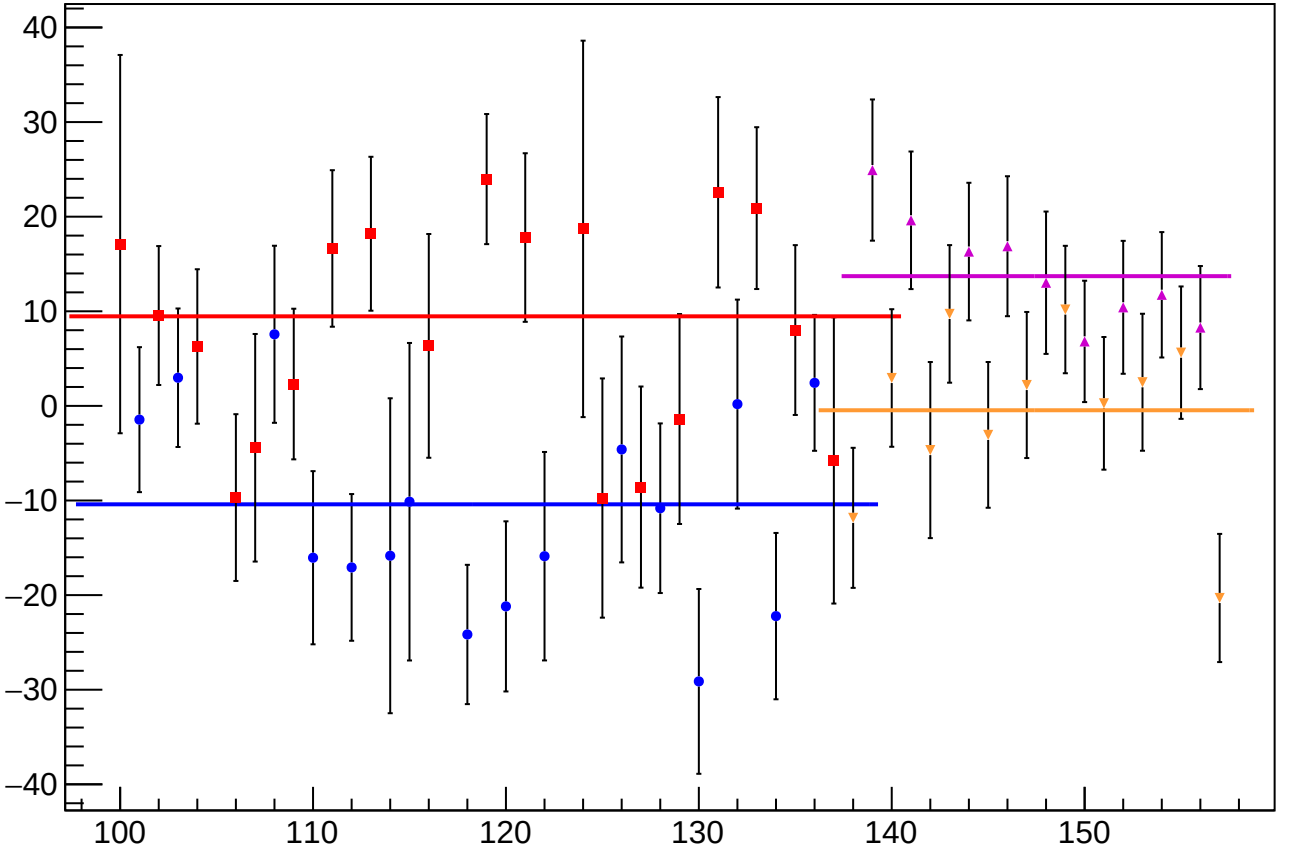
Left In: 1430.107+/-0.366 χ^2/NDF:354137.1/8

+ sign 1157.130+/-0.211 χ^2/NDF: 1591138.6/26

All: 1161.667+/-0.151 χ^2/NDF: 3087791.7/54

- sign 1166.445+/-0.216 χ^2/NDF: 1495700.5/27

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.461+/-2.209 χ^2/NDF:17.0/10

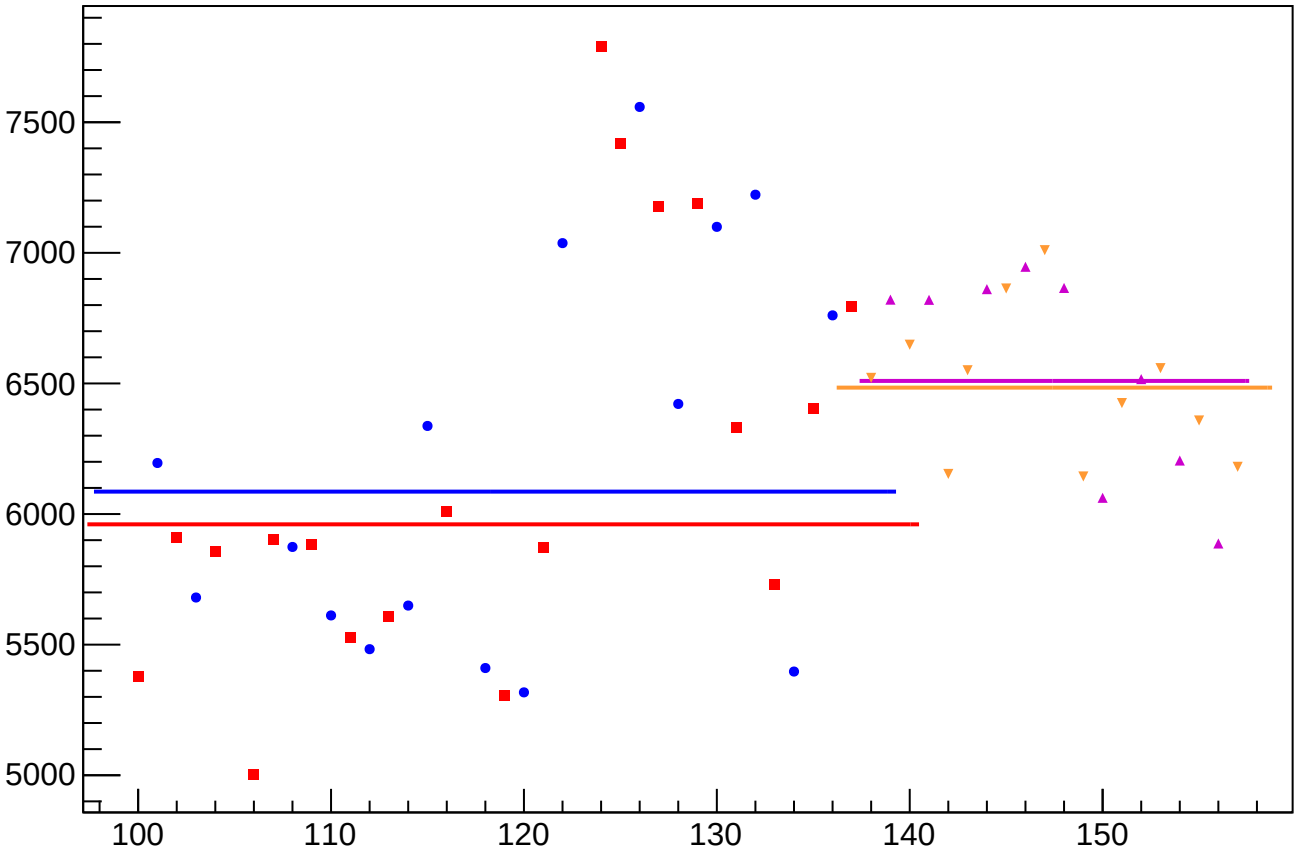
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 13.713+/-2.340 χ^2/NDF:5.4/8

+ sign -5.275+/-1.587 χ^2/NDF: 51.4/26

All: 3.021+/-1.126 χ^2/NDF: 139.1/54

- sign 11.451+/-1.599 χ^2/NDF: 32.5/27



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6484.011+/-1.562 χ^2/NDF:28010.5/10

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

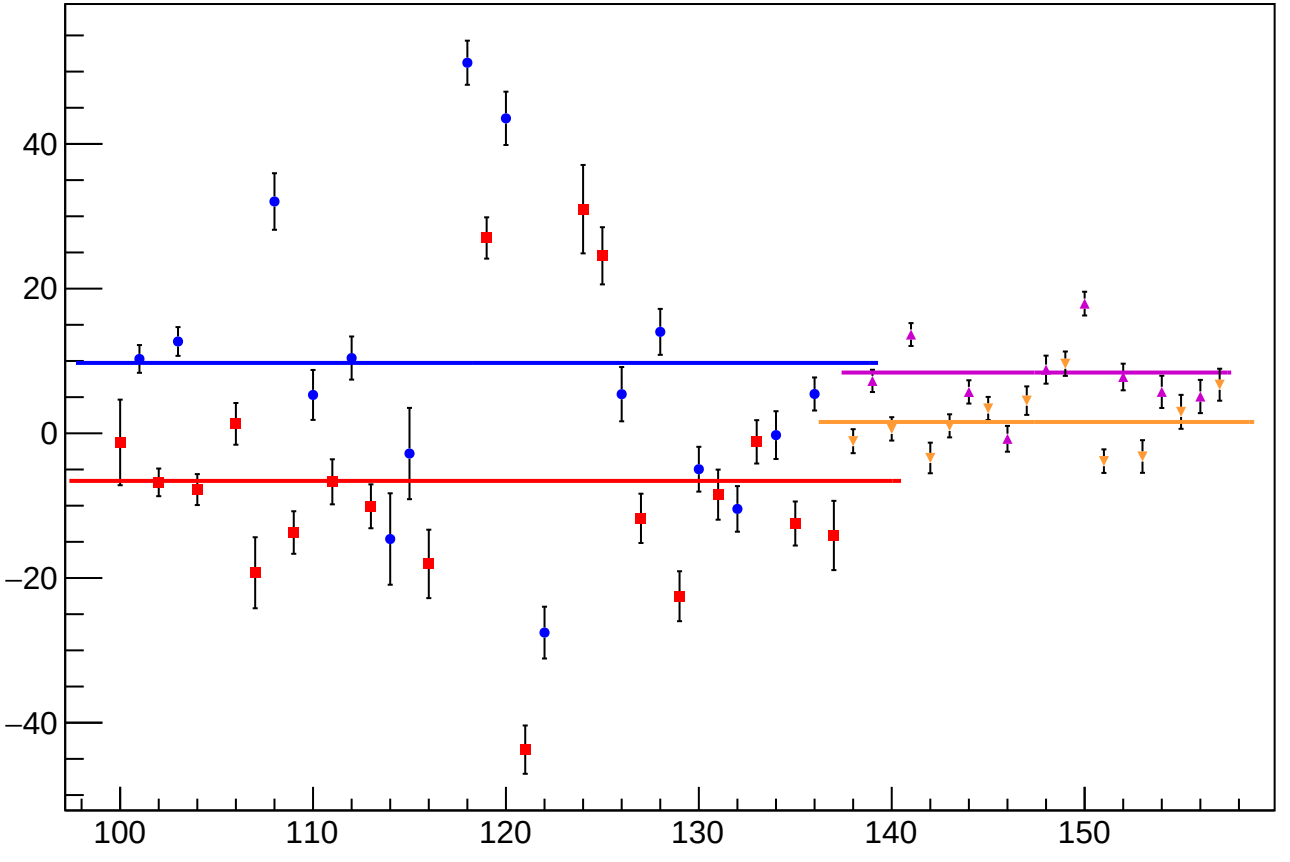
Left In: 6509.656+/-1.654 χ^2/NDF:55527.4/8

+ sign 6291.241+/-1.122 χ^2/NDF: 238586.5/26

All: 6254.481+/-0.796 χ^2/NDF: 517733.5/54

- sign 6217.130+/-1.131 χ^2/NDF: 276982.3/27

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.570+/-0.549 χ^2/NDF:56.3/10

Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

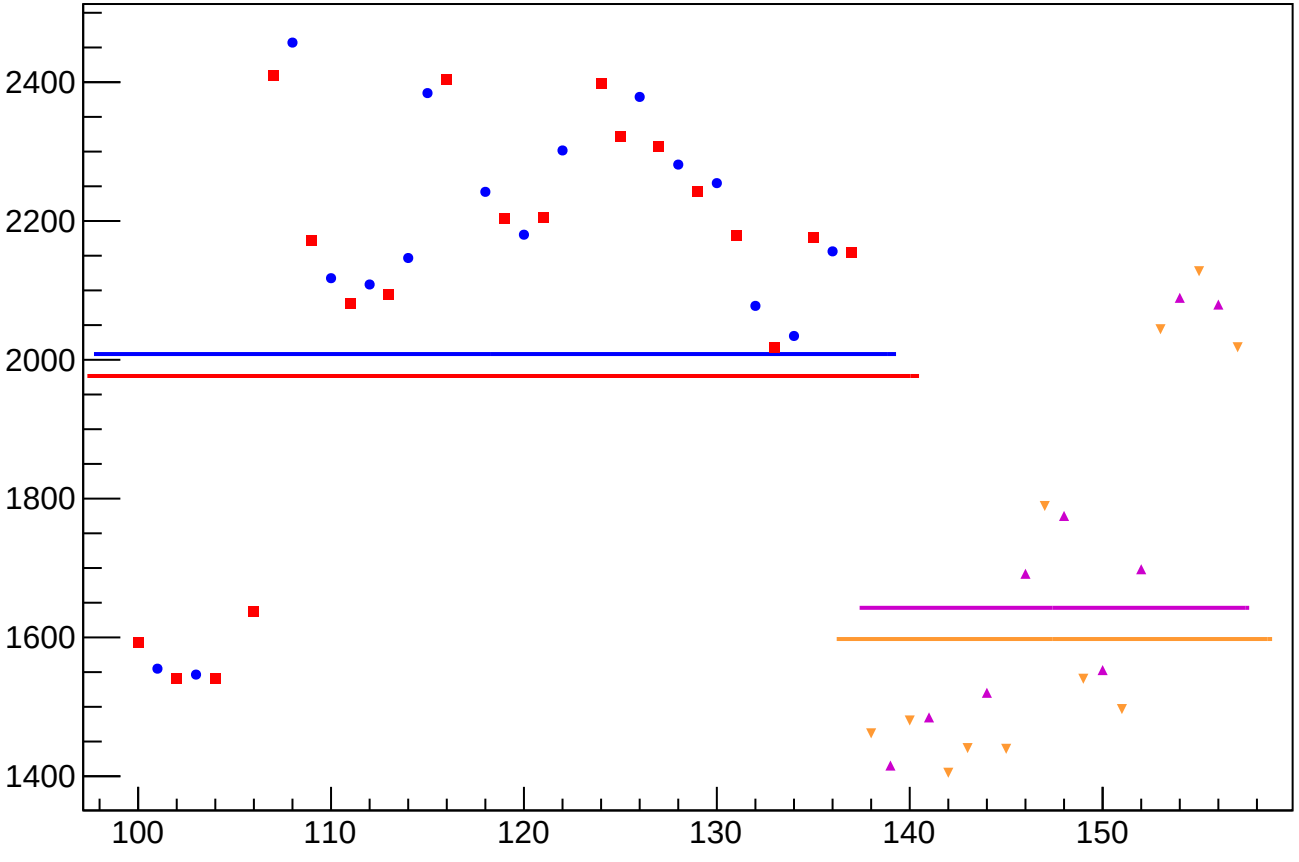
Left In: 8.401+/-0.593 χ^2/NDF:78.0/8

+ sign 4.390+/-0.444 χ^2/NDF: 645.2/26

All: 3.457+/-0.319 χ^2/NDF: 1409.7/54

- sign 2.453+/-0.460 χ^2/NDF: 755.3/27

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1597.687+/-0.388 χ^2/NDF:360999.6/10

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

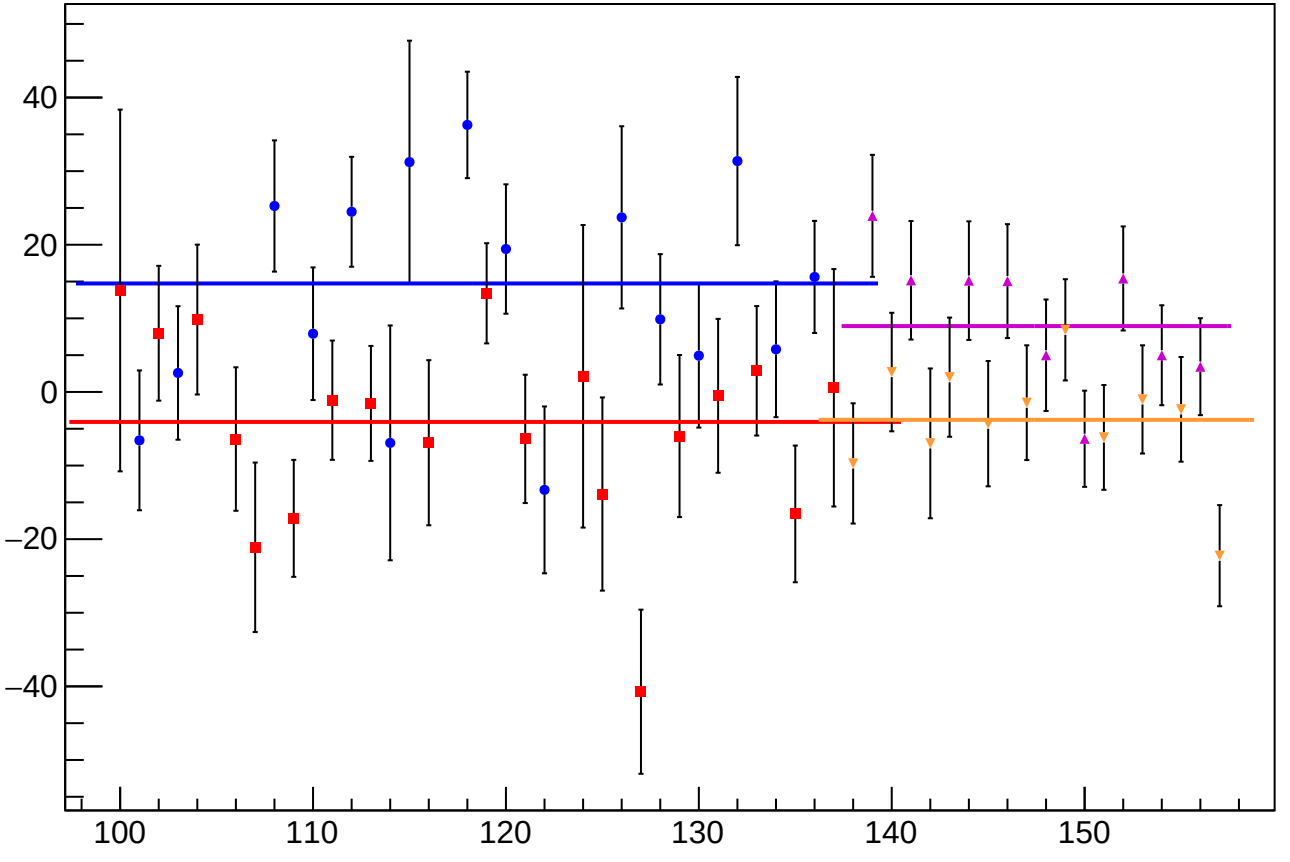
Left In: 1642.655+/-0.419 χ^2/NDF:246461.6/8

+ sign 1739.567+/-0.314 χ^2/NDF: 1092613.3/26

All: 1756.790+/-0.226 χ^2/NDF: 1962900.2/54

- sign 1775.317+/-0.325 χ^2/NDF: 864033.6/27

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -3.786+/-2.319 χ^2/NDF:12.6/10

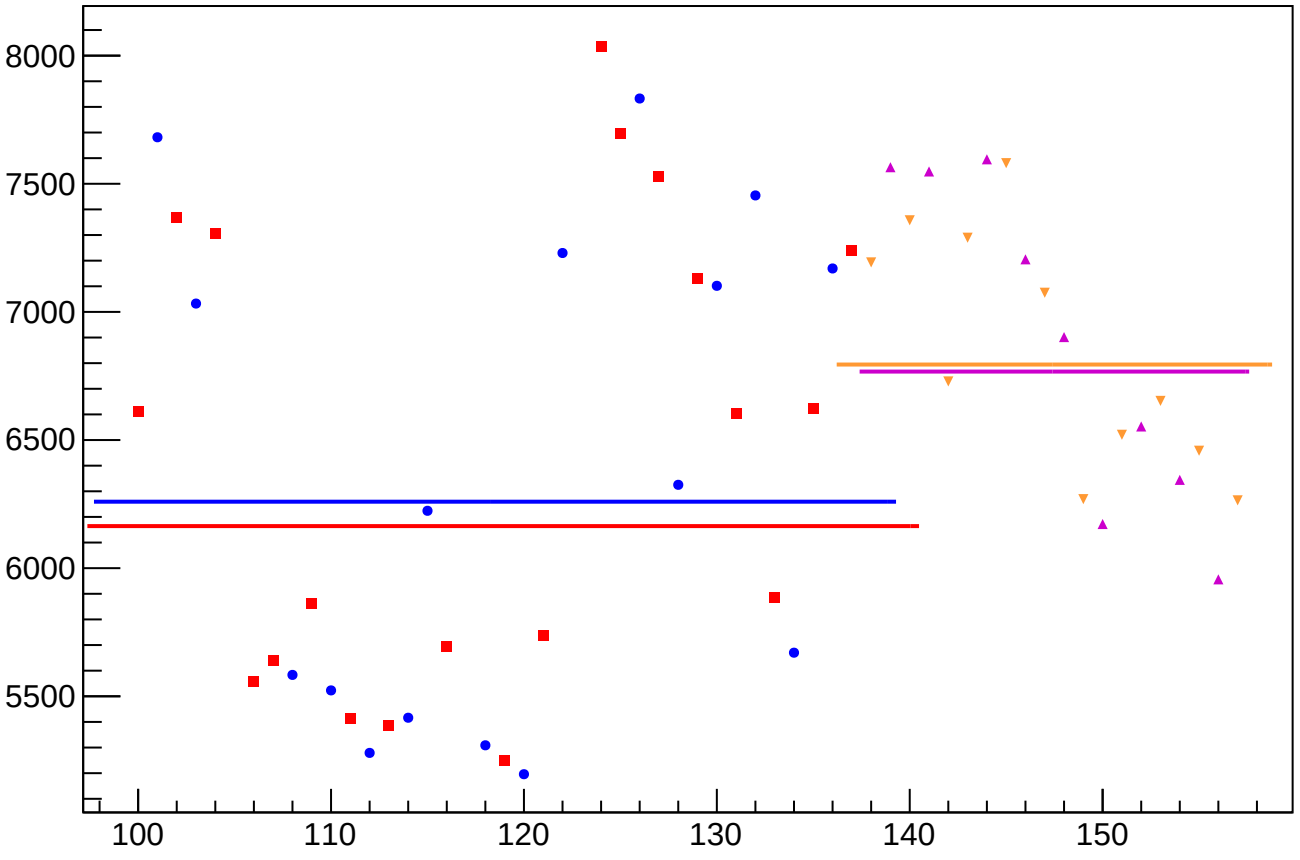
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 8.948+/-2.442 χ^2/NDF:12.7/8

+ sign 5.324+/-1.653 χ^2/NDF: 77.5/26

All: 3.660+/-1.173 χ^2/NDF: 137.6/54

- sign 1.975+/-1.664 χ^2/NDF: 58.1/27



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6794.622+/-1.640 χ^2/NDF:73464.3/10

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

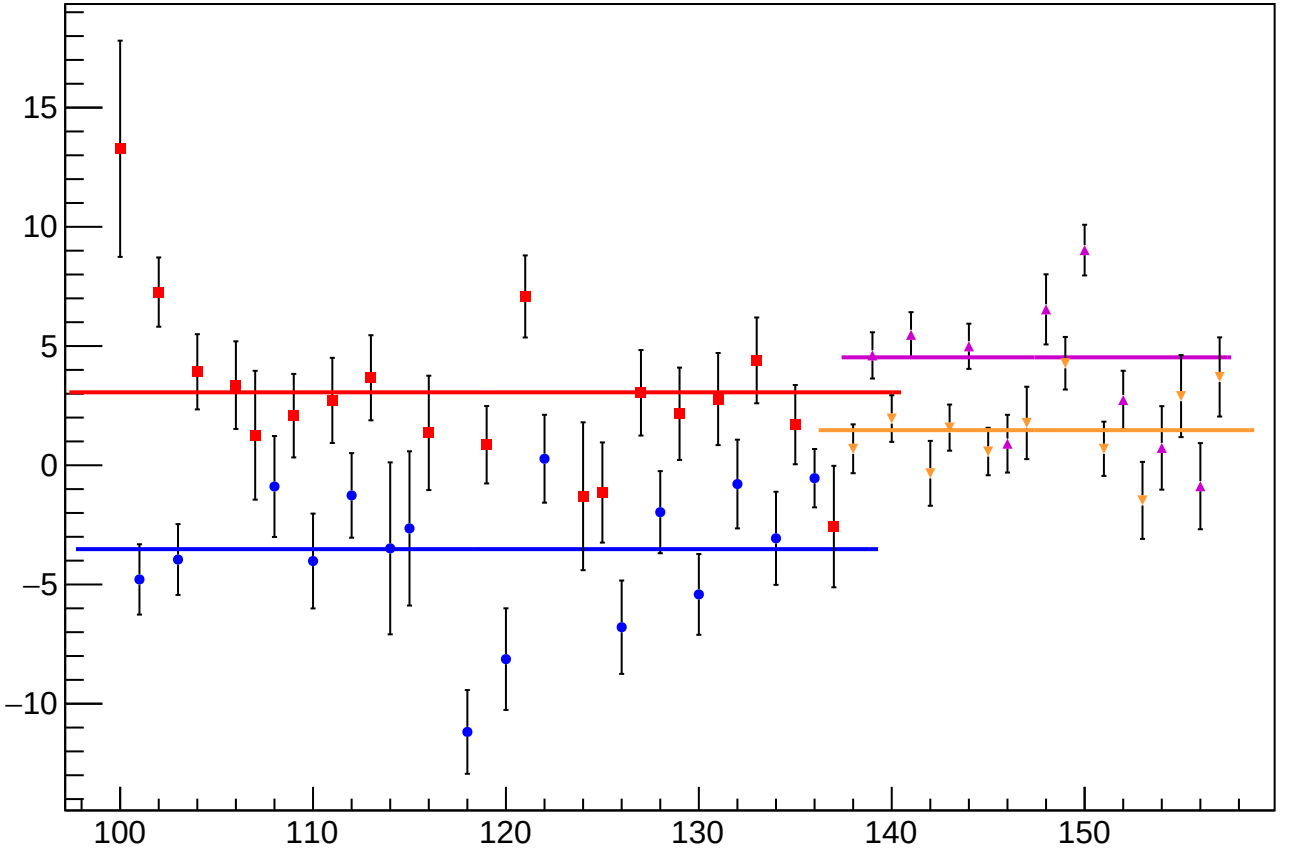
Left In: 6767.152+/-1.727 χ^2/NDF:121985.0/8

+ sign 6531.416+/-1.169 χ^2/NDF: 434451.6/26

All: 6488.079+/-0.829 χ^2/NDF: 889587.8/54

- sign 6444.180+/-1.177 χ^2/NDF: 452370.2/27

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.472+/-0.360 χ^2/NDF:16.2/10

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

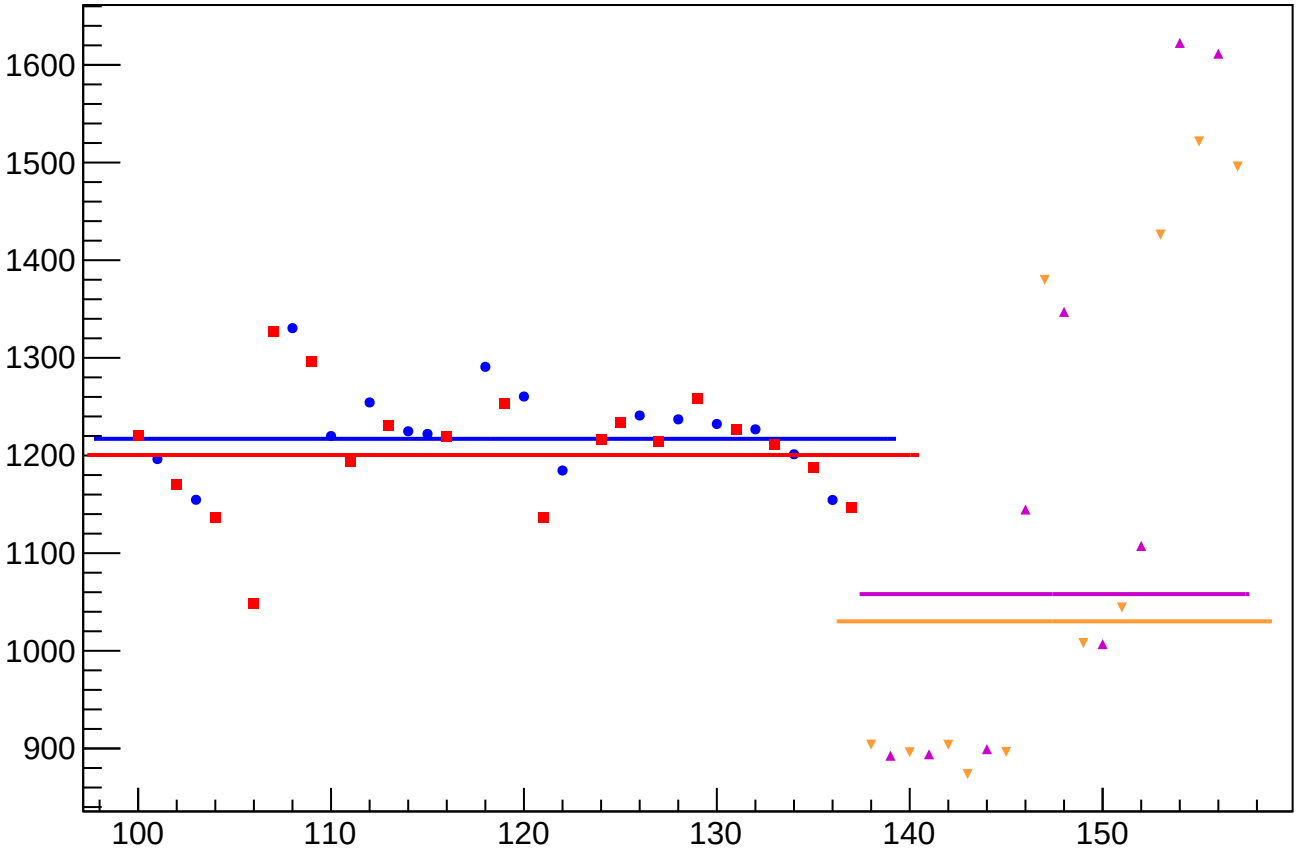
Left In: 4.527+/-0.389 χ^2/NDF:45.7/8

+ sign -0.460+/-0.281 χ^2/NDF: 135.9/26

All: 1.639+/-0.202 χ^2/NDF: 337.6/54

- sign 3.880+/-0.291 χ^2/NDF: 86.8/27

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1030.186+/-0.254 χ^2/NDF:722180.5/10

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

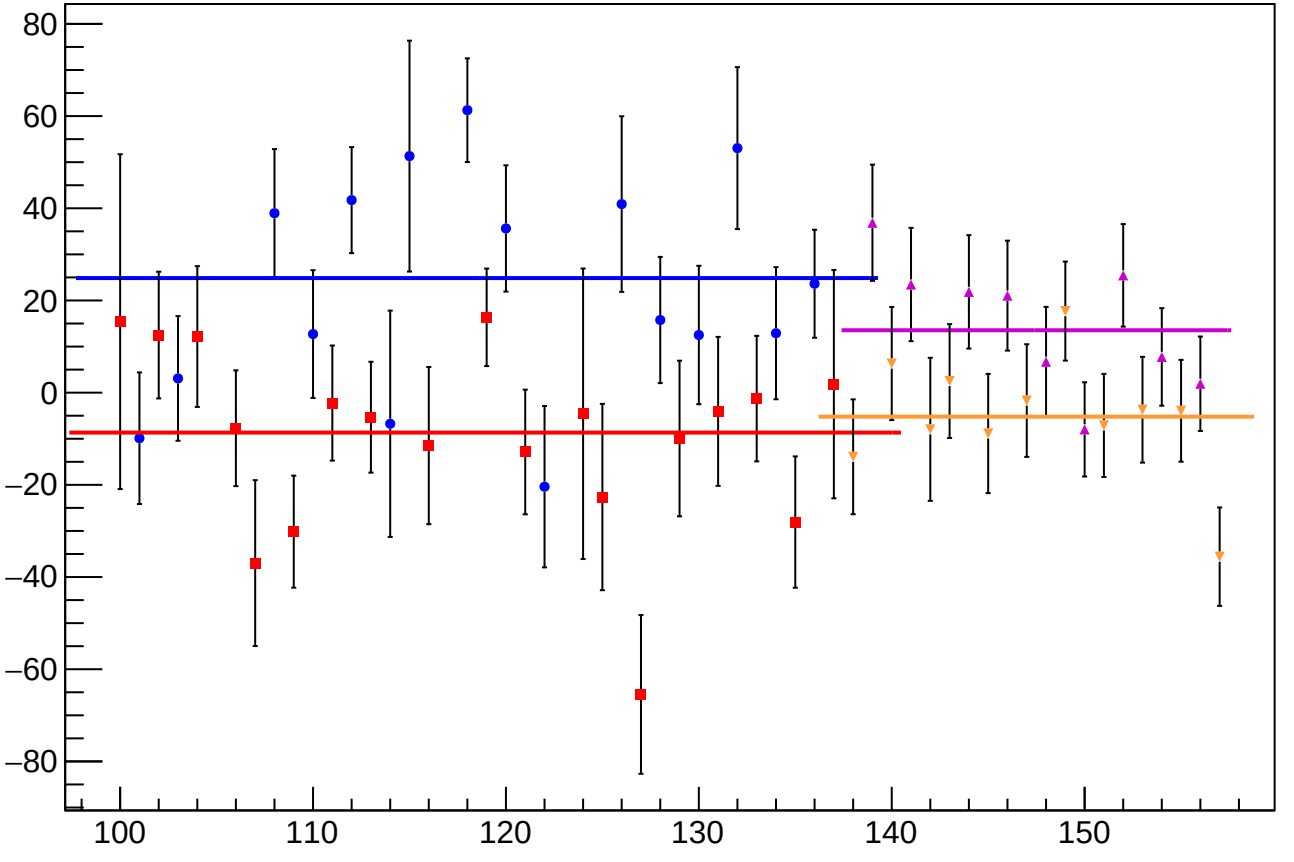
Left In: 1058.089+/-0.275 χ^2/NDF:664956.9/8

+ sign 1102.548+/-0.199 χ^2/NDF: 953072.2/26

All: 1111.383+/-0.143 χ^2/NDF: 1777864.0/54

- sign 1120.819+/-0.206 χ^2/NDF: 820718.1/27

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -5.209+/-3.588 χ^2/NDF:14.7/10

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

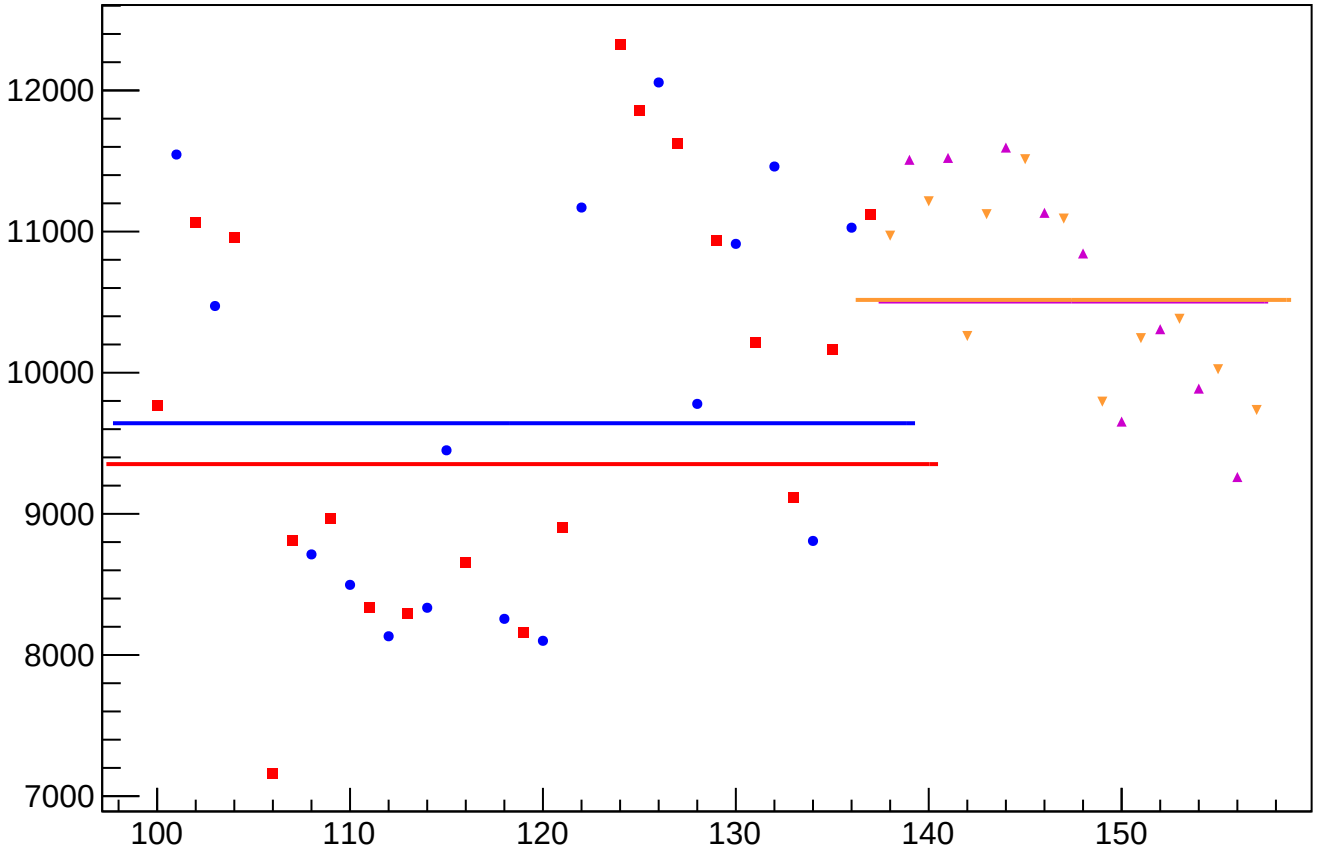
Left In: 13.537+/-3.787 χ^2/NDF:12.4/8

+ sign 9.657+/-2.551 χ^2/NDF: 87.5/26

All: 5.541+/-1.804 χ^2/NDF: 154.0/54

- sign 1.421+/-2.552 χ^2/NDF: 61.3/27

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10515.836+/-2.537 χ^2/NDF:55936.9/10

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

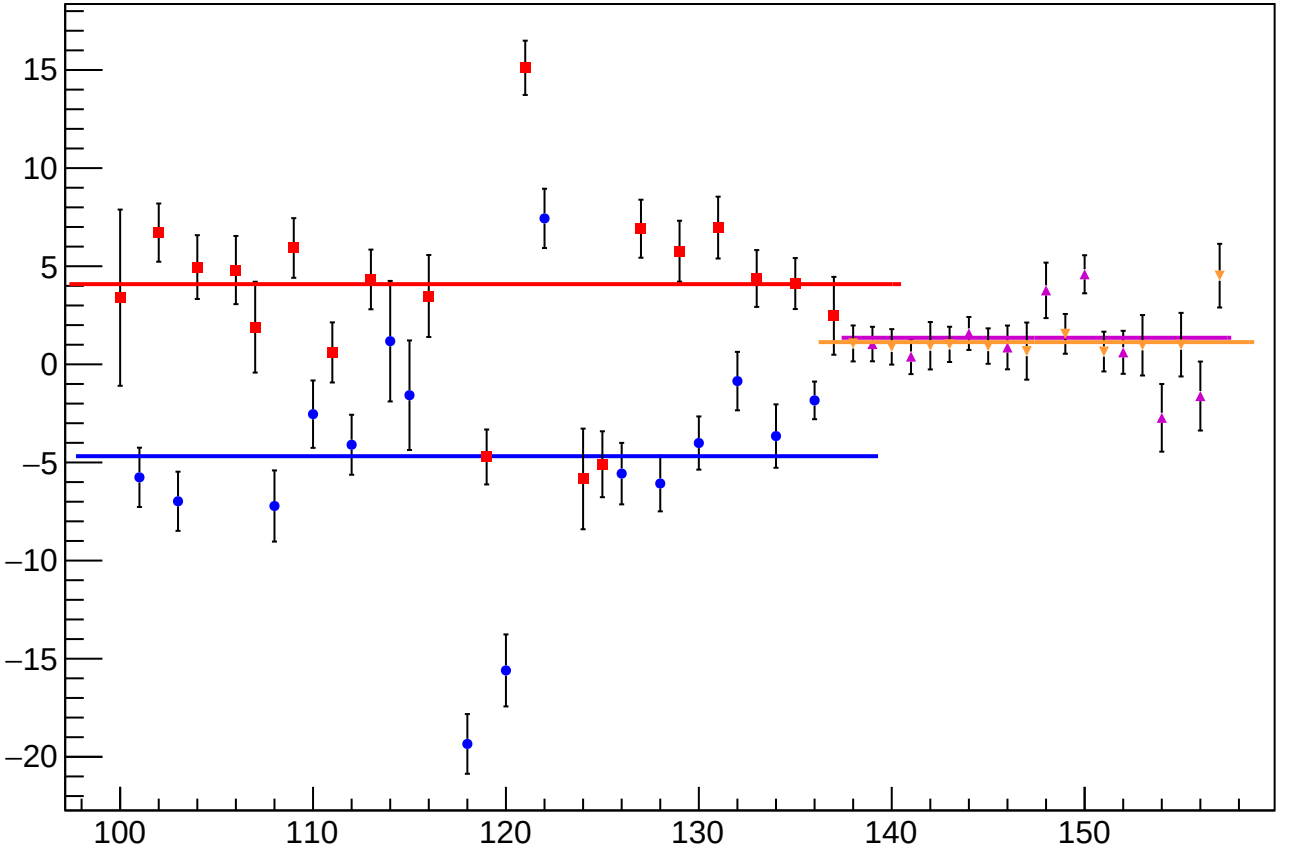
Left In: 10504.318+/-2.678 χ^2/NDF:100093.9/8

+ sign 10083.844+/-1.804 χ^2/NDF: 394247.8/26

All: 9979.735+/-1.276 χ^2/NDF: 903802.7/54

- sign 9875.563+/-1.804 χ^2/NDF: 502890.5/27

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.133+/-0.330 χ^2/NDF:5.0/10

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

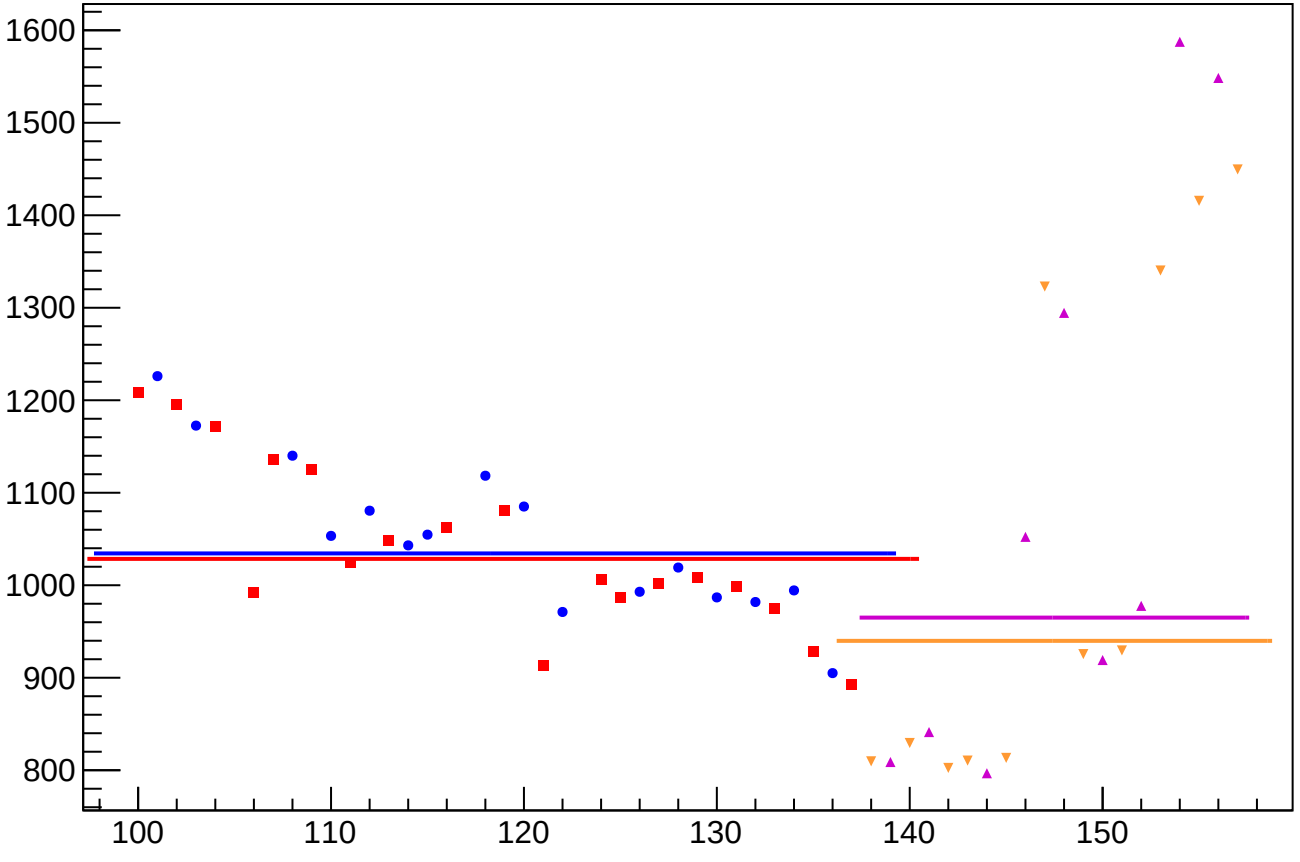
Left In: 1.354+/-0.358 χ^2/NDF:24.5/8

+ sign -1.325+/-0.251 χ^2/NDF: 357.3/26

All: 0.597+/-0.180 χ^2/NDF: 699.0/54

- sign 2.651+/-0.259 χ^2/NDF: 220.3/27

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 939.870+/-0.233 χ^2/NDF:821083.5/10

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

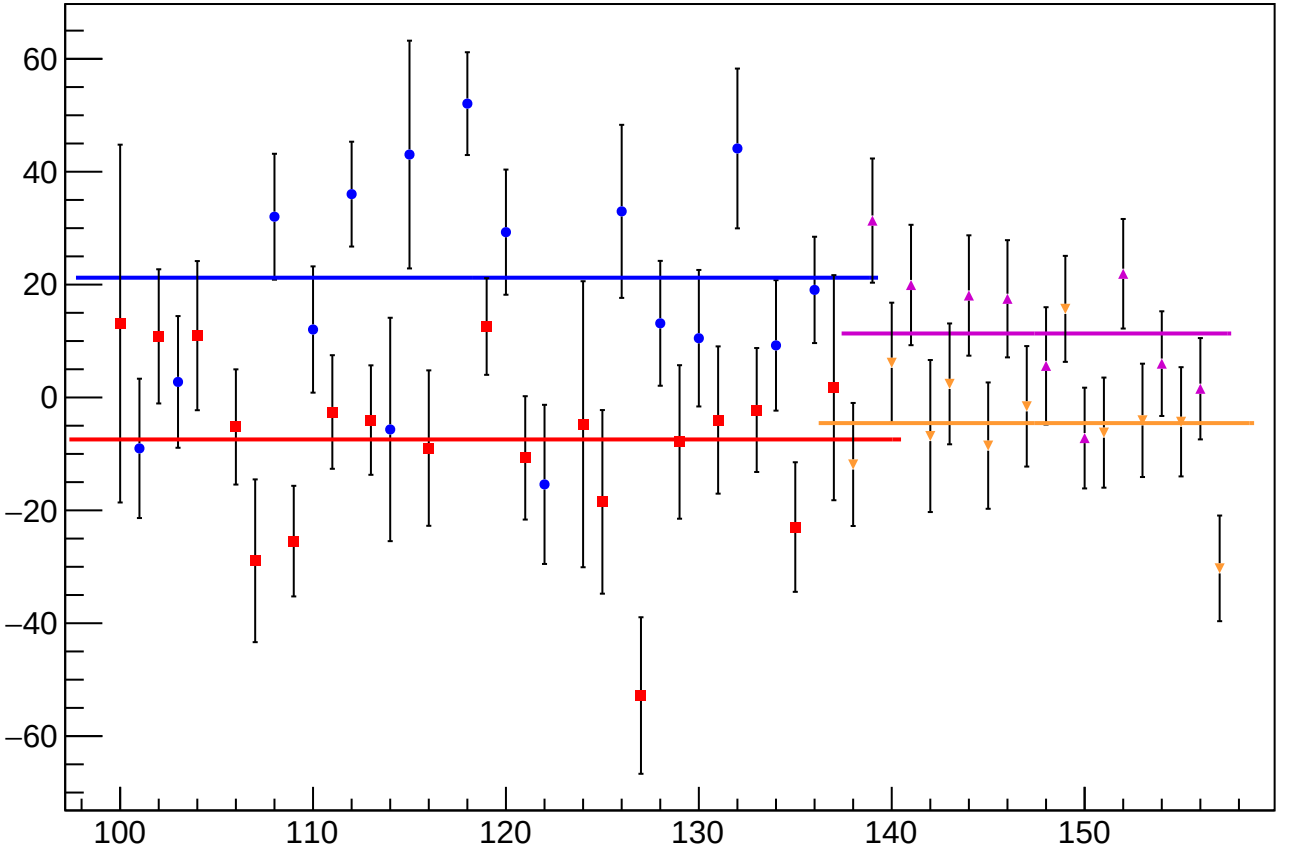
Left In: 965.006+/-0.253 χ^2/NDF:788438.5/8

+ sign 979.836+/-0.177 χ^2/NDF: 1003681.2/26

All: 987.231+/-0.127 χ^2/NDF: 1927252.8/54

- sign 995.130+/-0.183 χ^2/NDF: 919976.7/27

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -4.540+/-3.130 χ^2/NDF:14.4/10

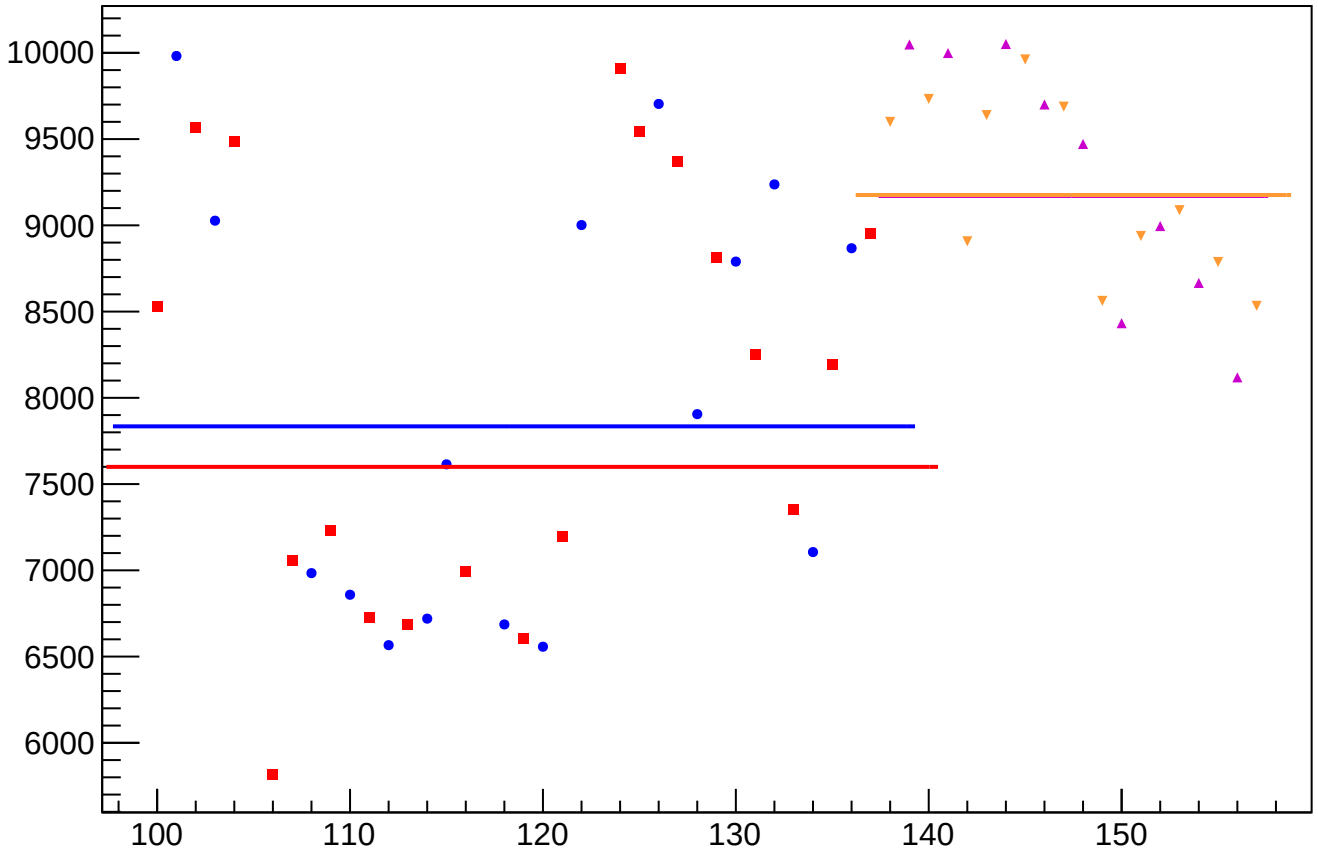
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 11.338+/-3.304 χ^2/NDF:12.0/8

+ sign 9.094+/-2.147 χ^2/NDF: 90.3/26

All: 4.756+/-1.516 χ^2/NDF: 159.0/54

- sign 0.444+/-2.141 χ^2/NDF: 60.6/27



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9175.771+/-2.213 χ^2/NDF:50034.9/10

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

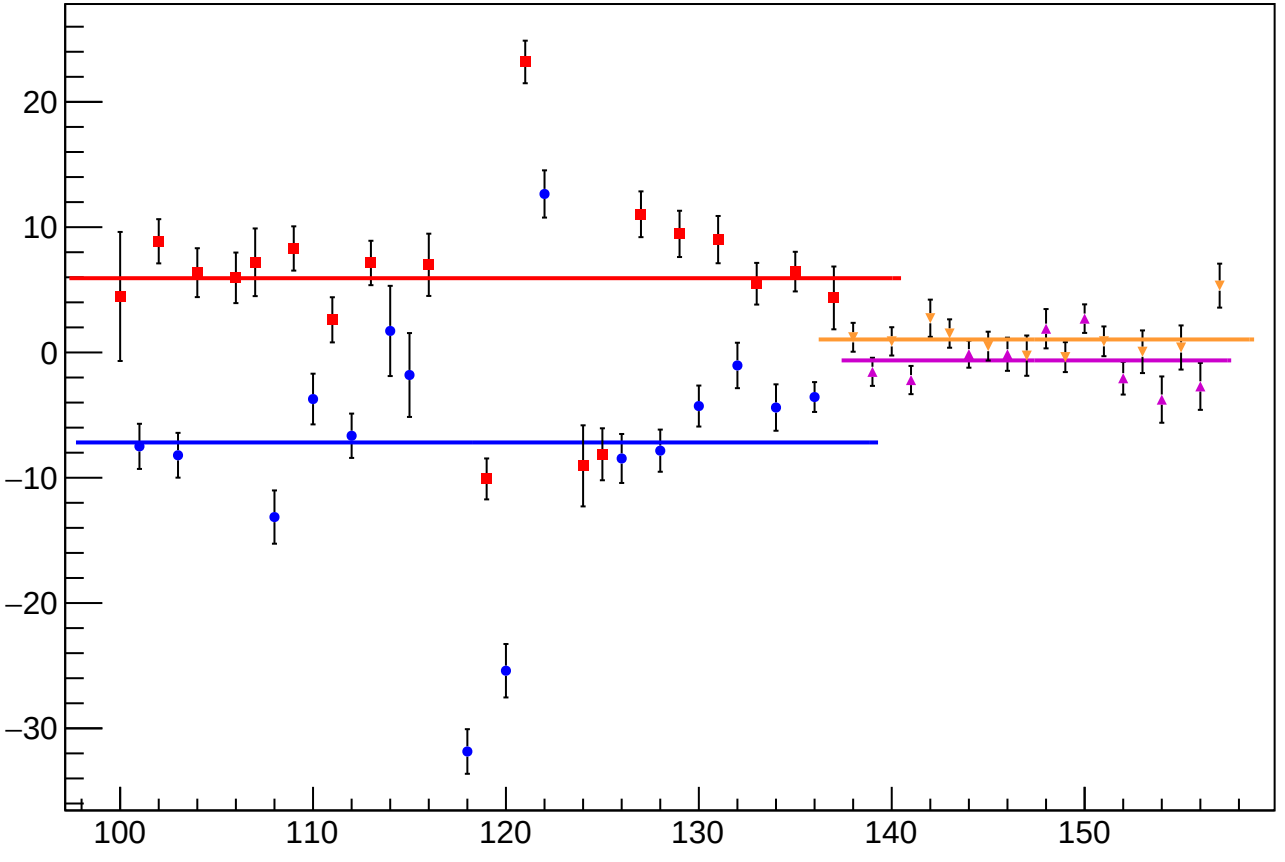
Left In: 9170.099+/-2.337 χ^2/NDF:93042.8/8

+ sign 8465.984+/-1.518 χ^2/NDF: 562488.6/26

All: 8362.099+/-1.072 χ^2/NDF: 1271265.0/54

- sign 8258.852+/-1.514 χ^2/NDF: 699443.7/27

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.038+/-0.398 χ^2/NDF:10.2/10

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

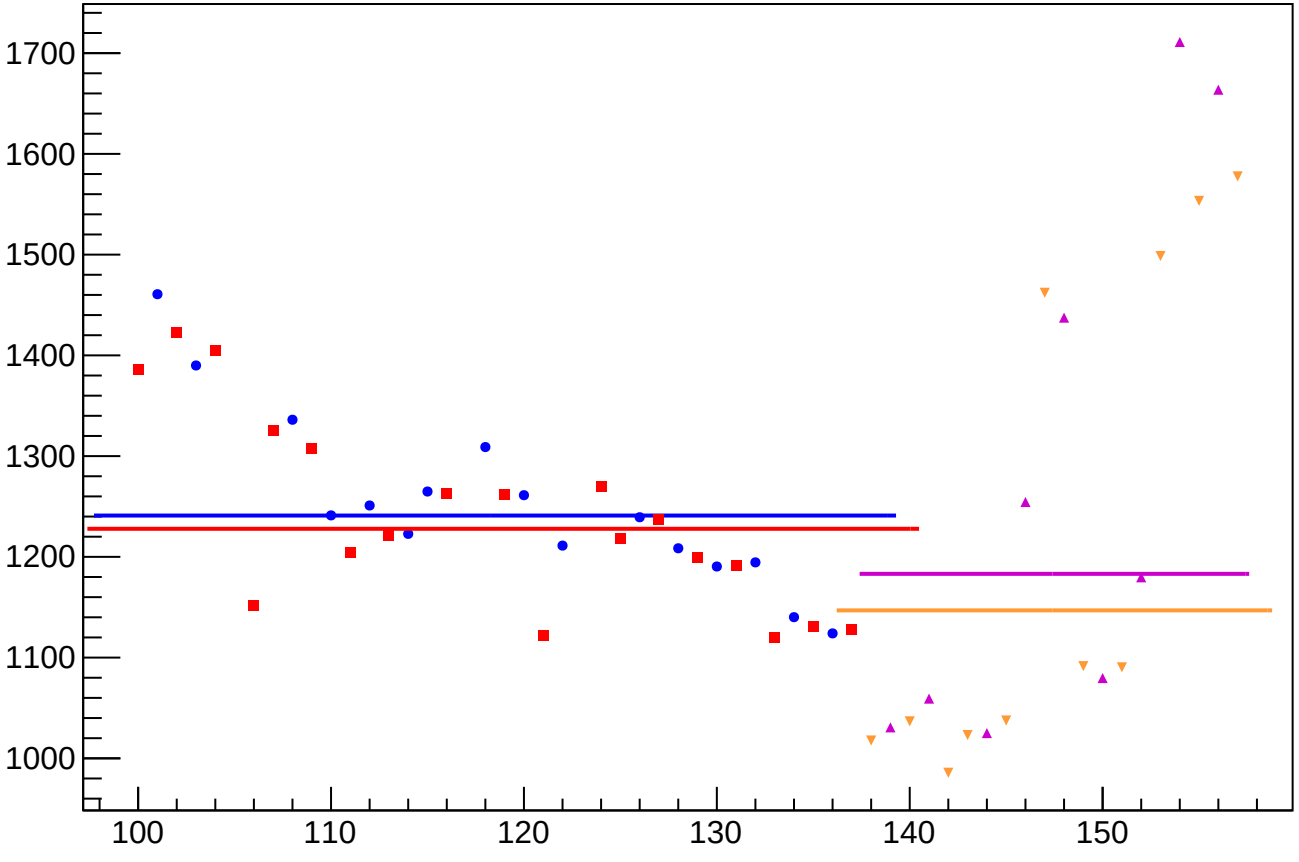
Left In: -0.634+/-0.432 χ^2/NDF:19.4/8

\+ sign -2.461+/-0.302 χ^2/NDF: 614.1/26

All: -0.050+/-0.217 χ^2/NDF: 1166.6/54

\- sign 2.522+/-0.311 χ^2/NDF: 420.5/27

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1146.866+/-0.281 χ^2/NDF:507774.8/10

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

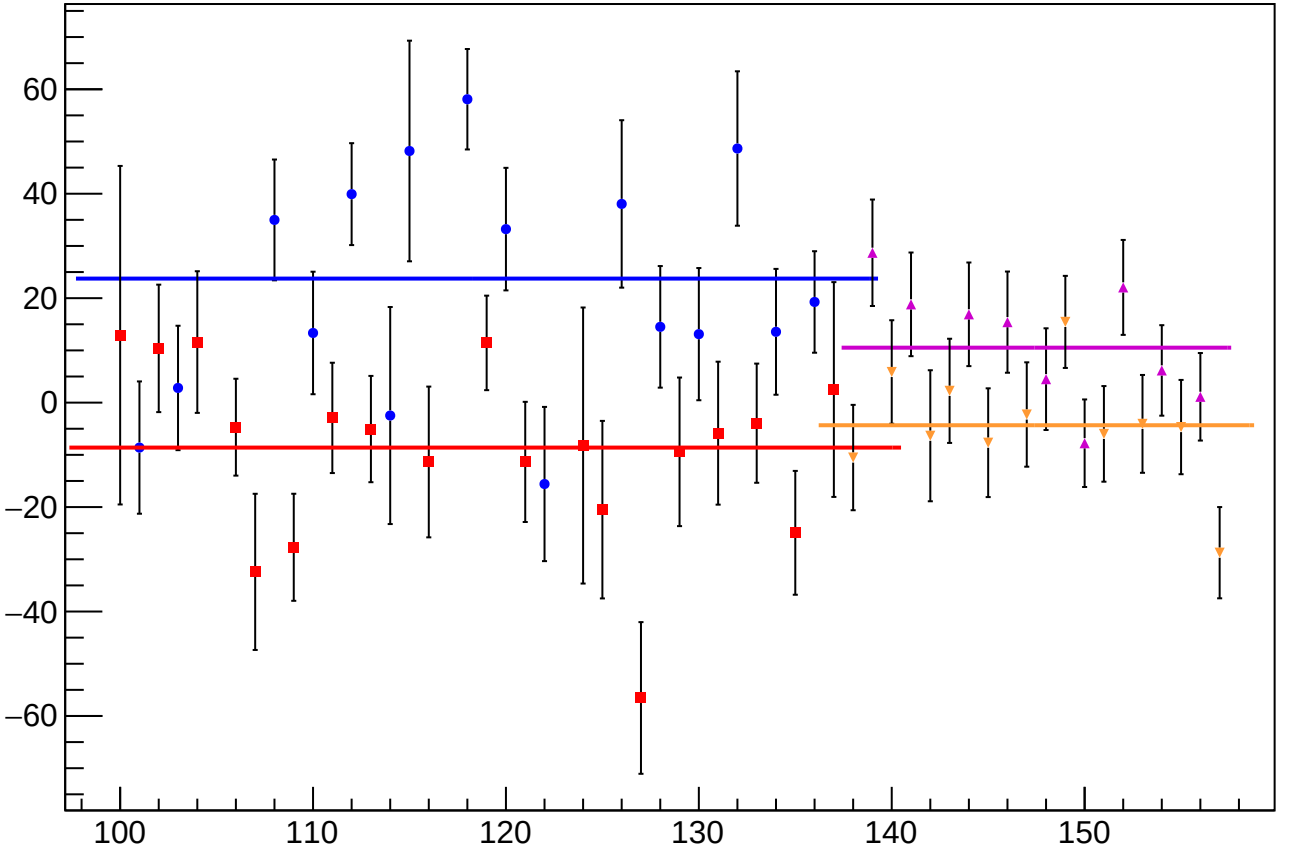
Left In: 1183.135+/-0.306 χ^2/NDF:473362.4/8

+ sign 1186.939+/-0.213 χ^2/NDF: 636053.9/26

All: 1195.509+/-0.153 χ^2/NDF: 1205385.7/54

- sign 1204.648+/-0.220 χ^2/NDF: 565996.1/27

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -4.331+/-2.921 χ^2/NDF:14.9/10

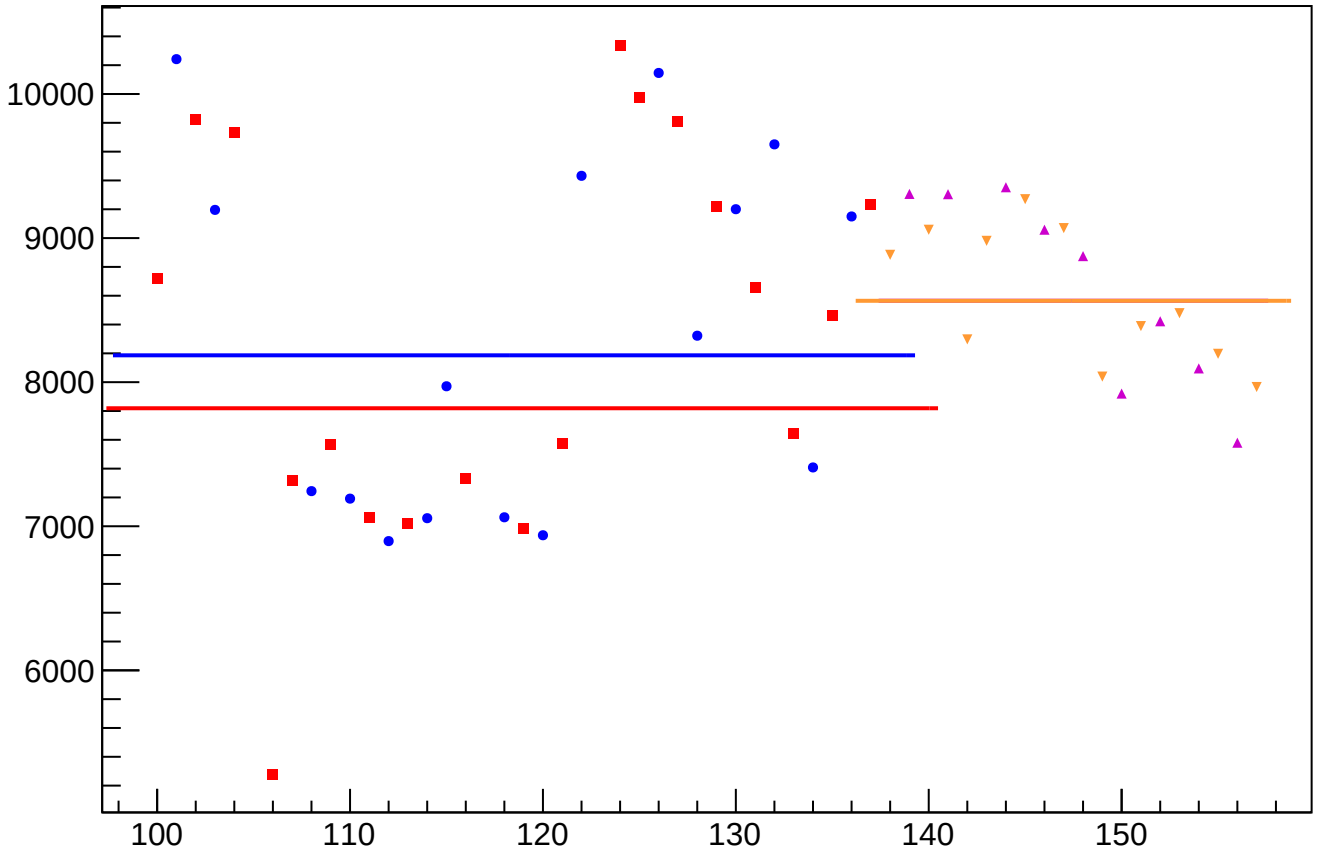
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.521+/-3.085 χ^2/NDF:12.8/8

+ sign 8.959+/-2.120 χ^2/NDF: 102.1/26

All: 4.645+/-1.496 χ^2/NDF: 174.0/54

- sign 0.361+/-2.113 χ^2/NDF: 63.7/27



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8564.759+/-2.065 χ^2/NDF:46346.8/10

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

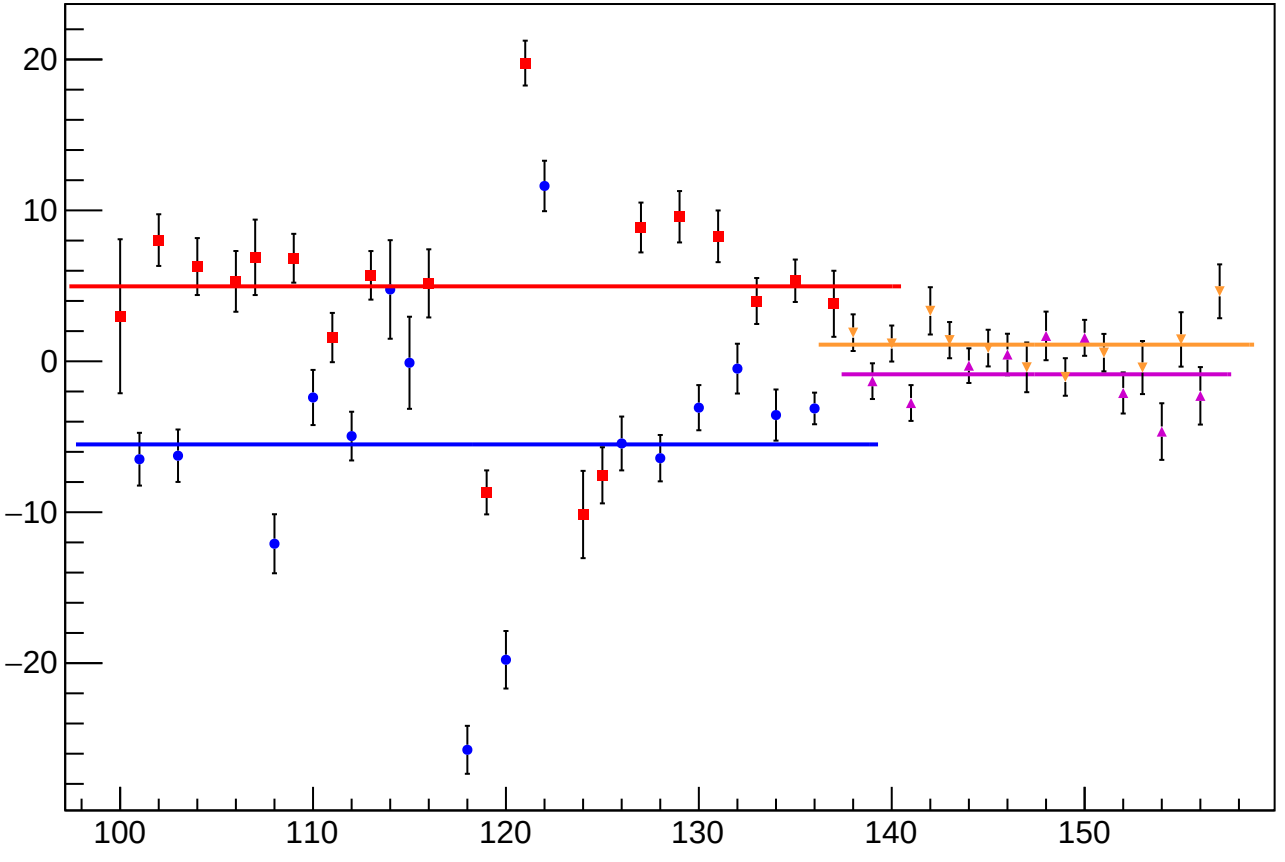
Left In: 8565.113+/-2.182 χ^2/NDF:87336.5/8

+ sign 8385.677+/-1.499 χ^2/NDF: 352861.9/26

All: 8276.881+/-1.058 χ^2/NDF: 935817.7/54

- sign 8168.810+/-1.494 χ^2/NDF: 572454.7/27

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.104+/-0.416 χ^2/NDF:11.3/10

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

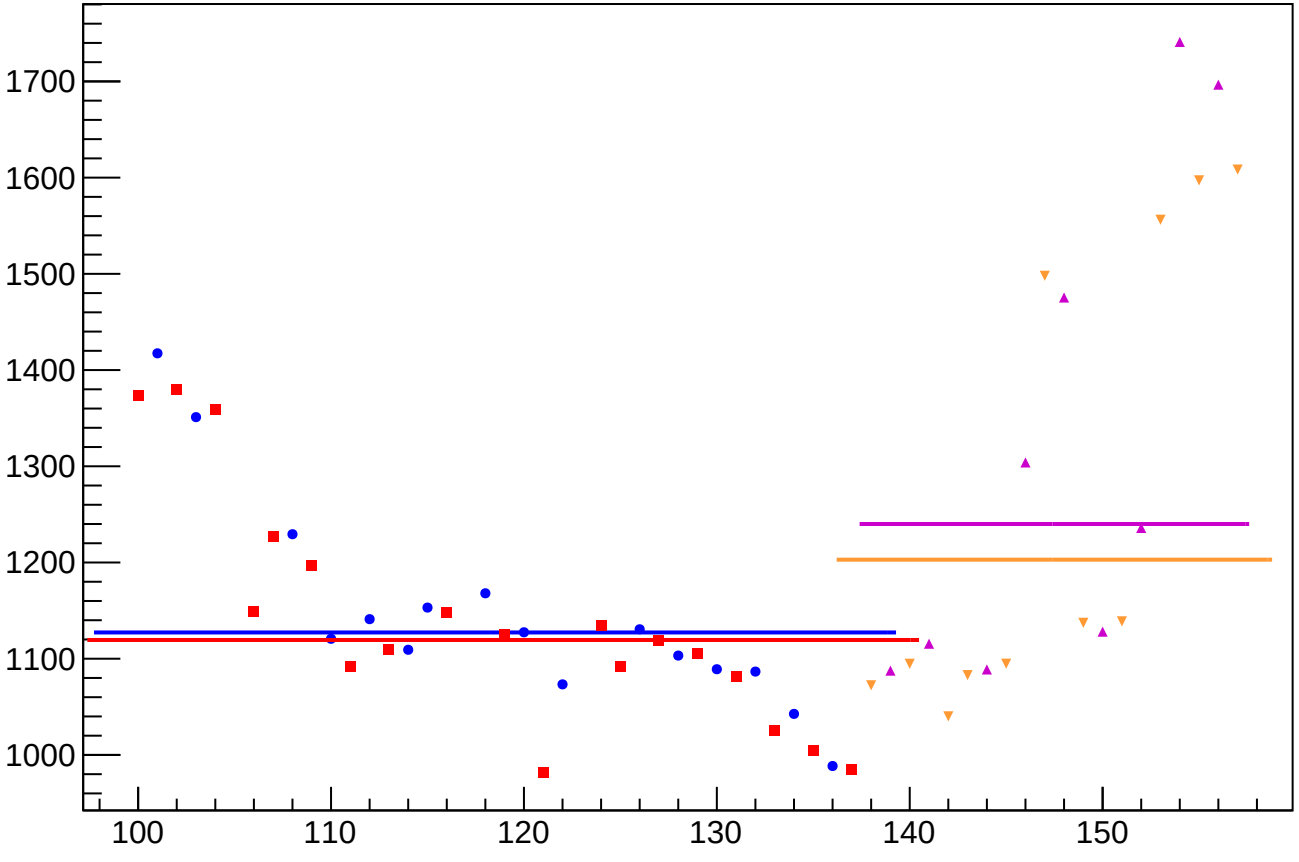
Left In: -0.861+/-0.452 χ^2/NDF:16.0/8

+ sign -2.165+/-0.296 χ^2/NDF: 505.7/26

All: 0.025+/-0.212 χ^2/NDF: 1012.7/54

- sign 2.332+/-0.304 χ^2/NDF: 394.5/27

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1202.933+/-0.294 χ^2/NDF:451682.4/10

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

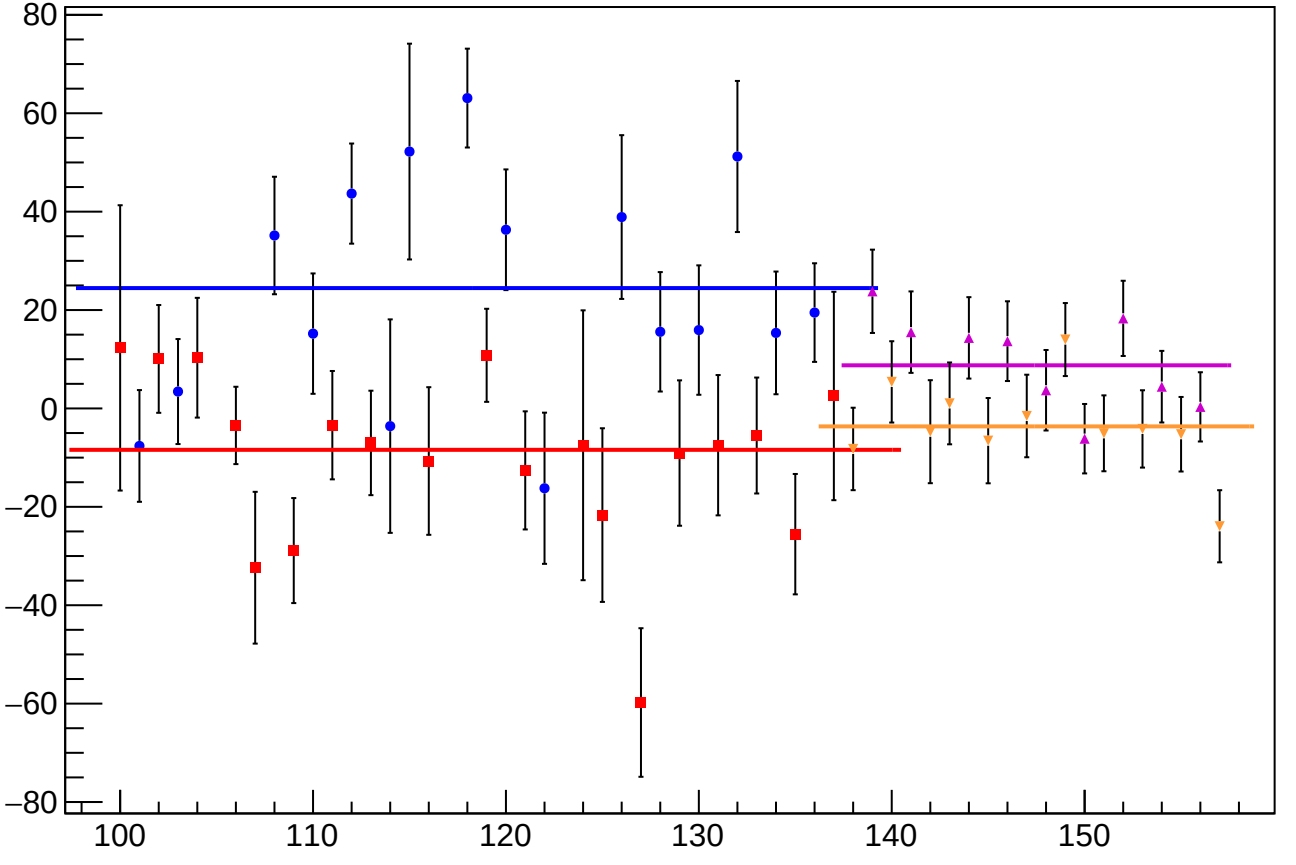
Left In: 1240.015+/-0.319 χ^2/NDF:412175.4/8

+ sign 1165.525+/-0.209 χ^2/NDF: 624953.8/26

All: 1169.637+/-0.150 χ^2/NDF: 1256684.8/54

- sign 1173.969+/-0.215 χ^2/NDF: 630938.1/27

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -3.652+/-2.446 χ^2/NDF:15.4/10

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

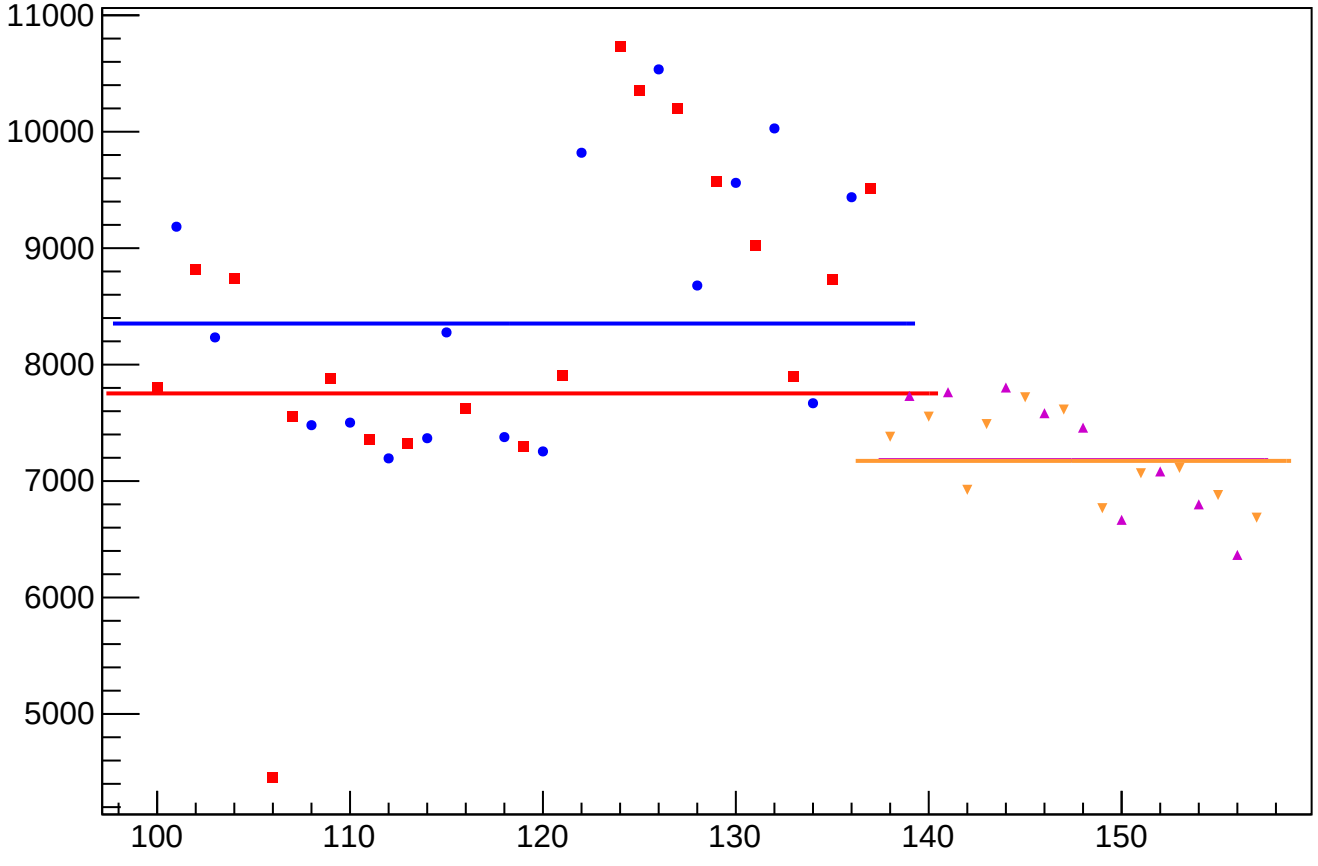
Left In: 8.765+/-2.586 χ^2/NDF:12.8/8

+ sign 6.981+/-1.929 χ^2/NDF: 113.7/26

All: 4.054+/-1.363 χ^2/NDF: 181.9/54

- sign 1.130+/-1.927 χ^2/NDF: 63.6/27

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7173.389+/-1.729 χ^2/NDF:41261.2/10

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

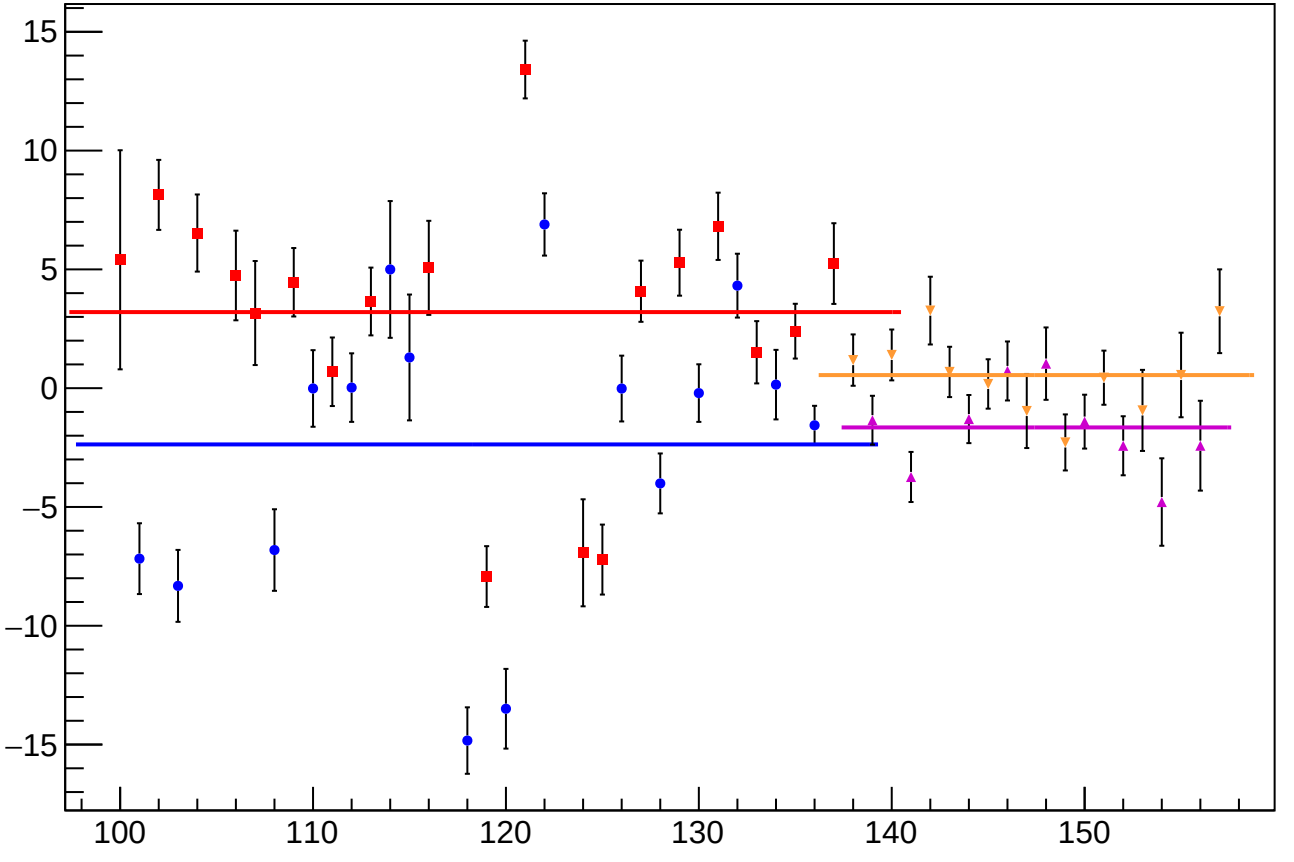
Left In: 7180.269+/-1.828 χ^2/NDF:80106.7/8

+ sign 7619.414+/-1.364 χ^2/NDF: 437545.2/26

All: 7526.977+/-0.964 χ^2/NDF: 1158465.8/54

- sign 7434.670+/-1.363 χ^2/NDF: 711738.5/27

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.551+/-0.380 χ^2/NDF:14.5/10

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

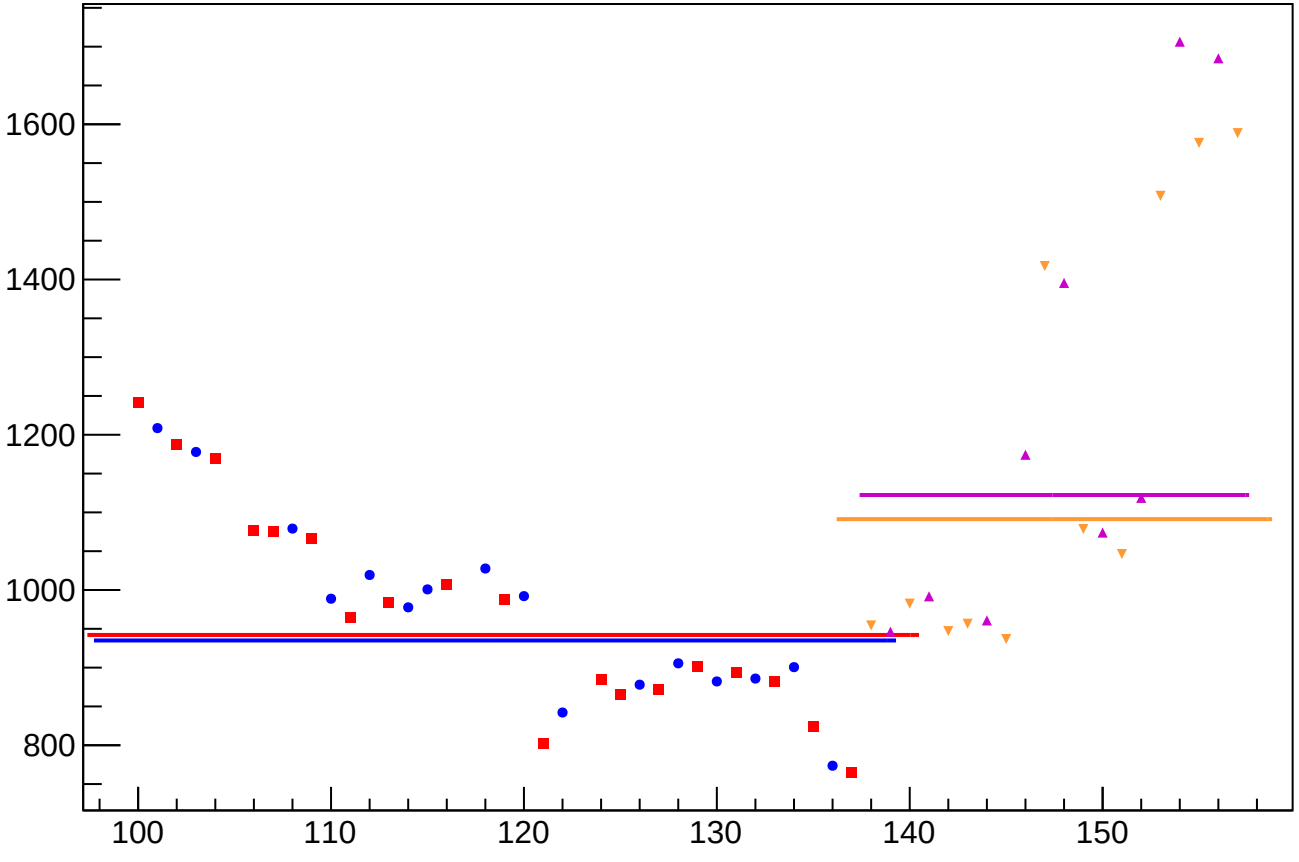
Left In: -1.652+/-0.412 χ^2/NDF:14.4/8

+ sign -1.027+/-0.258 χ^2/NDF: 302.0/26

All: 0.051+/-0.185 χ^2/NDF: 684.3/54

- sign 1.191+/-0.265 χ^2/NDF: 346.3/27

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1091.291+/-0.269 χ^2/NDF:667378.0/10

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

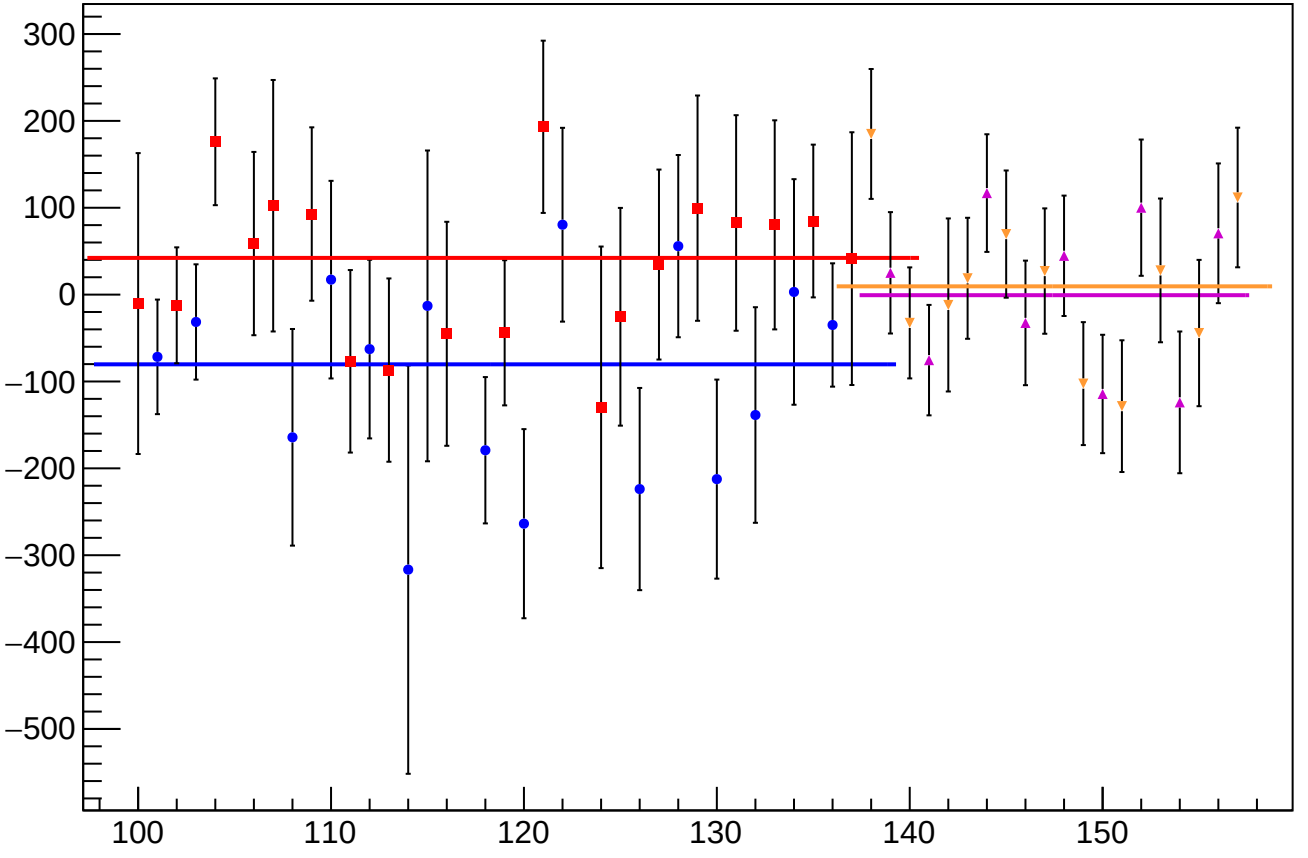
Left In: 1122.384+/-0.291 χ^2/NDF:589962.8/8

+ sign 1006.787+/-0.182 χ^2/NDF: 1104543.4/26

All: 1011.653+/-0.131 χ^2/NDF: 2152963.2/54

- sign 1016.803+/-0.187 χ^2/NDF: 1046951.8/27

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 9.527+/-22.795 χ^2/NDF:14.6/10

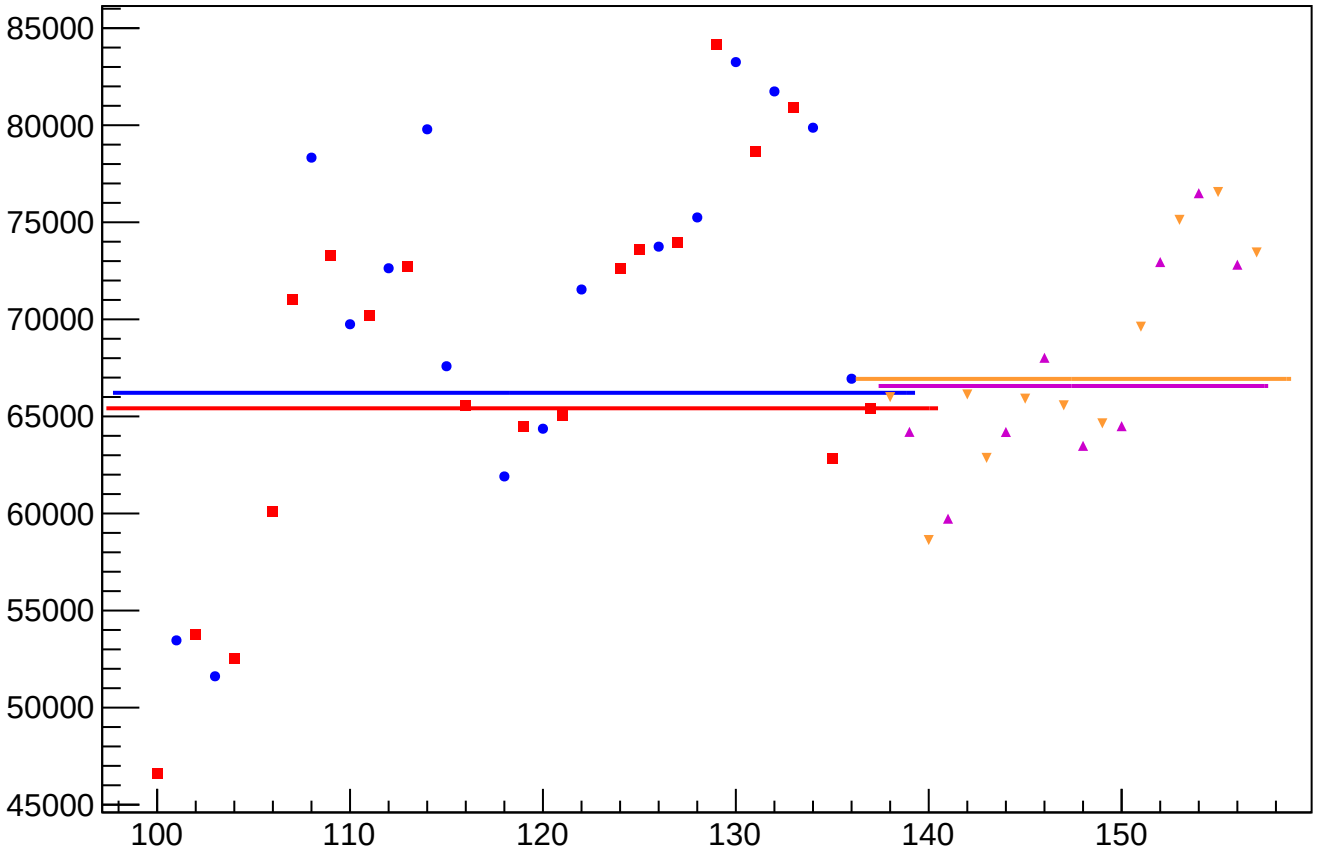
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -0.656+/-23.865 χ^2/NDF:12.7/8

\+ sign -31.391+/-16.816 χ^2/NDF: 36.5/26

All: -5.660+/-11.946 χ^2/NDF: 68.5/54

\- sign 20.554+/-16.973 χ^2/NDF: 27.2/27



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 66933.194+/-16.118 χ^2/NDF:105585.4/10

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

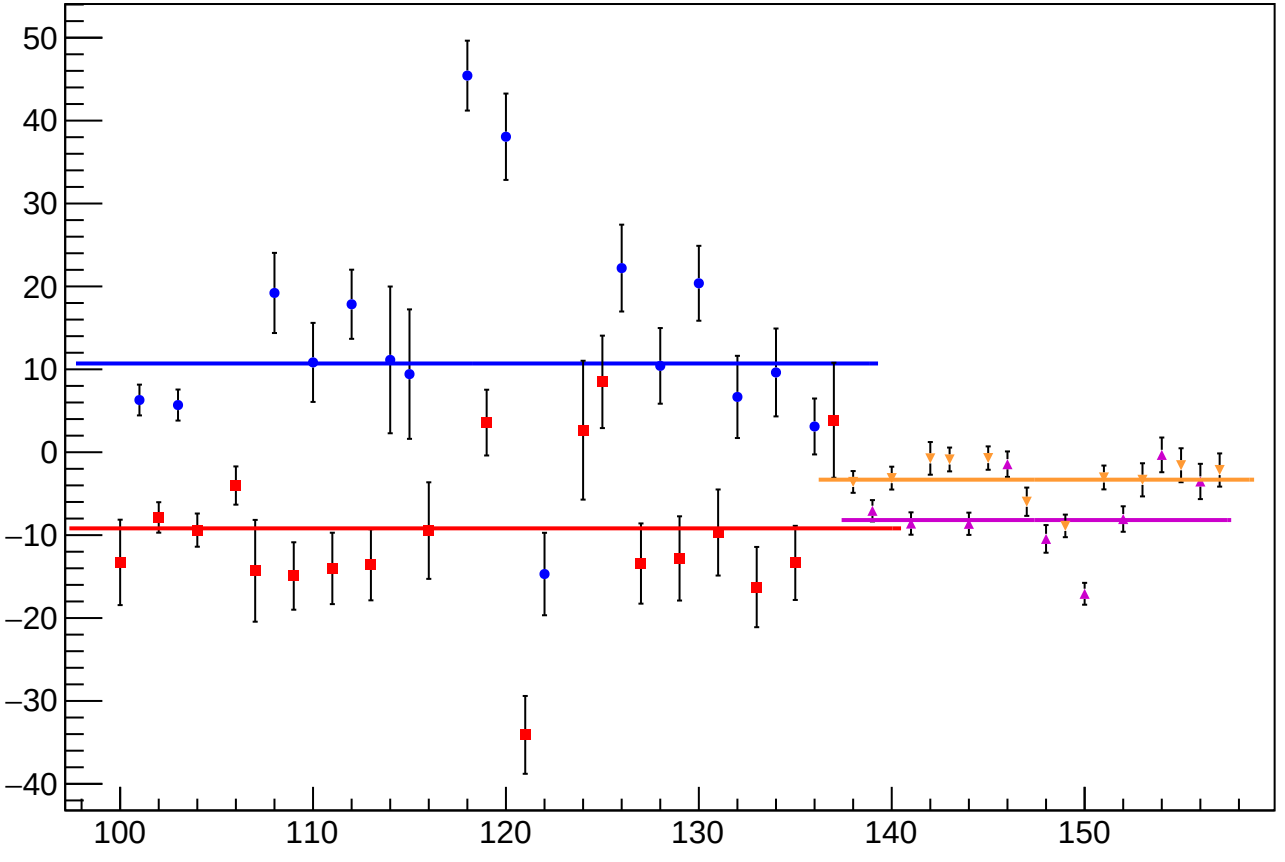
Left In: 66567.403+/-16.875 χ^2/NDF:89426.2/8

+ sign 66606.372+/-11.891 χ^2/NDF: 444865.1/26

All: 66305.828+/-8.447 χ^2/NDF: 842427.4/54

- sign 65999.645+/-12.002 χ^2/NDF: 396272.6/27

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.310+/-0.474 χ^2/NDF:28.3/10

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

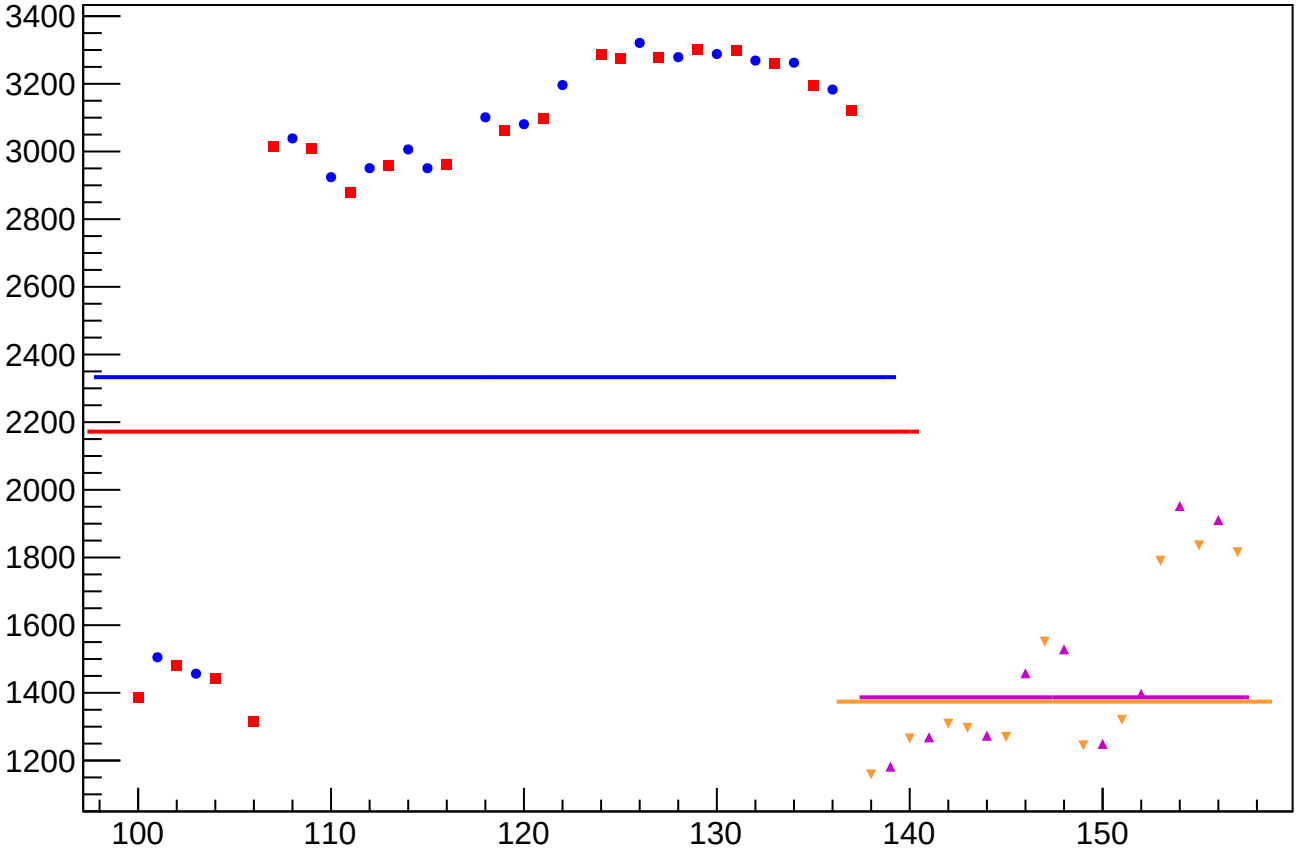
Left In: -8.181+/-0.504 χ^2/NDF:86.4/8

+ sign -0.376+/-0.421 χ^2/NDF: 367.1/26

All: -4.293+/-0.302 χ^2/NDF: 702.2/54

- sign -8.442+/-0.433 χ^2/NDF: 157.0/27

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1374.009+/-0.335 χ^2/NDF:413155.2/10

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

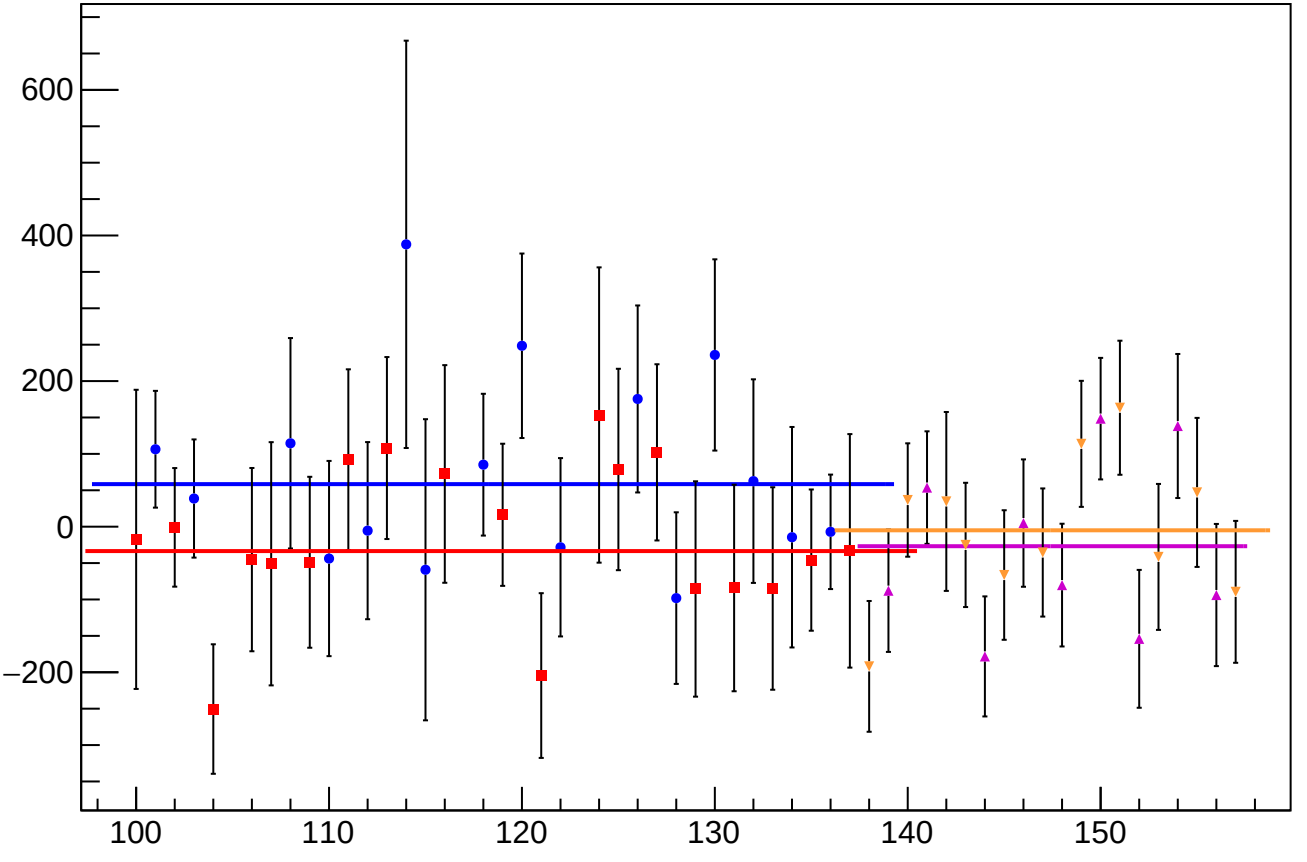
Left In: 1386.798+/-0.356 χ^2/NDF:388189.5/8

+ sign 1574.767+/-0.298 χ^2/NDF: 3780786.8/26

All: 1582.636+/-0.214 χ^2/NDF: 7417271.8/54

- sign 1590.973+/-0.307 χ^2/NDF: 3635047.3/27

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -4.978+/-27.743 χ^2/NDF:11.7/10

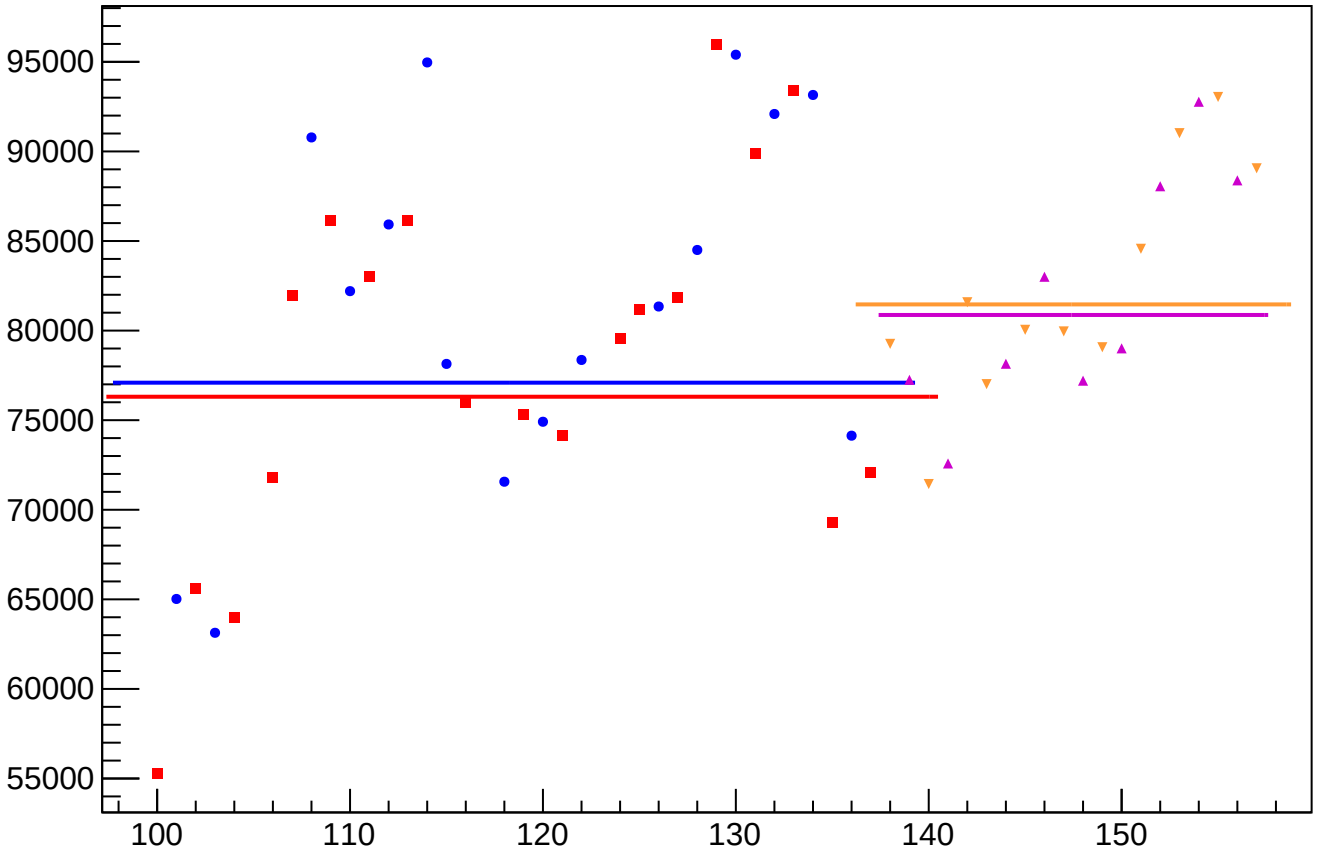
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -26.831+/-28.996 χ^2/NDF:15.0/8

+ sign 25.419+/-20.019 χ^2/NDF: 25.6/26

All: -2.207+/-14.213 χ^2/NDF: 59.1/54

- sign -30.280+/-20.181 χ^2/NDF: 29.7/27



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 81461.947+/-19.617 χ^2/NDF:100597.6/10

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

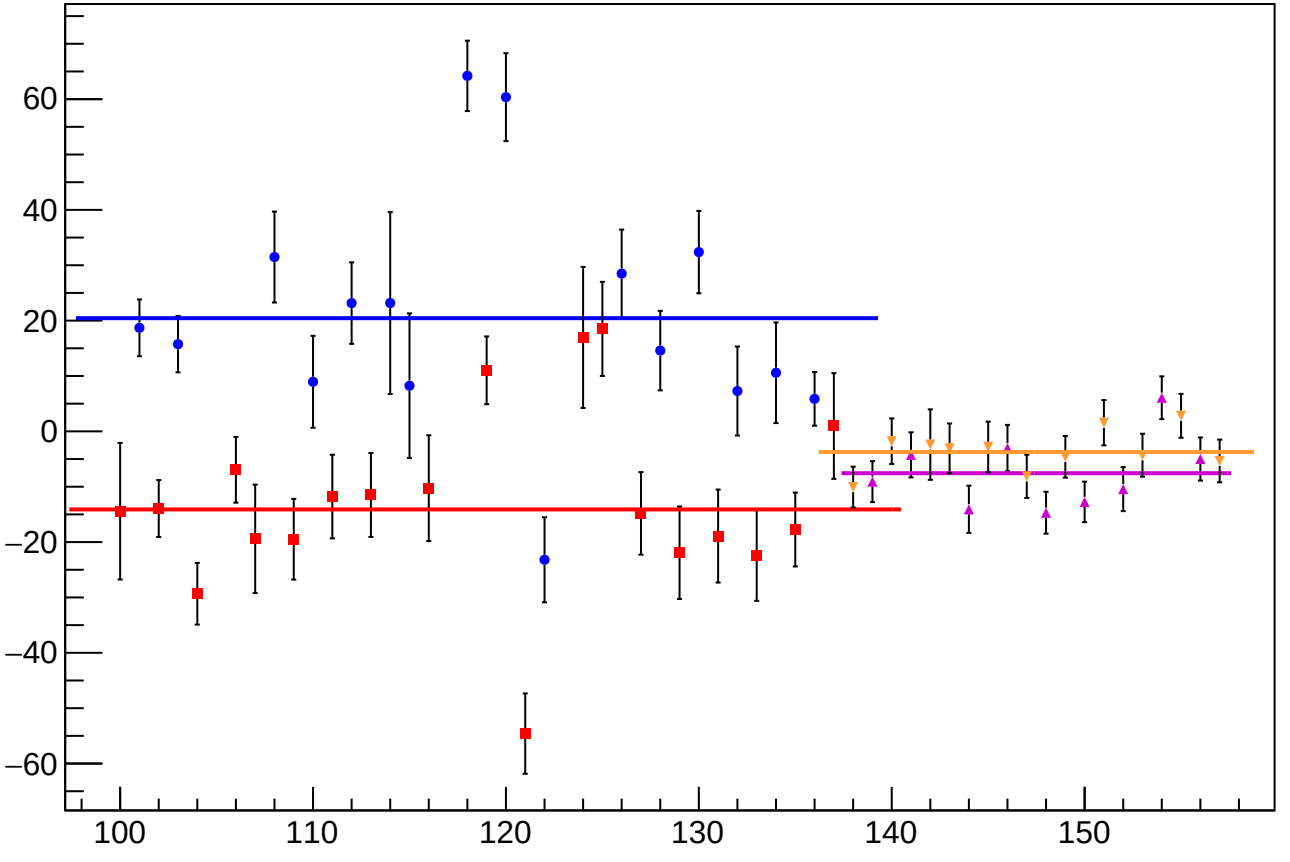
Left In: 80872.172+/-20.503 χ^2/NDF:87145.2/8

+ sign 79368.099+/-14.156 χ^2/NDF: 372911.3/26

All: 78947.120+/-10.050 χ^2/NDF: 721814.6/5

- sign 78519.319+/-14.270 χ^2/NDF: 347120.2/27

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.735+/-1.243 χ^2/NDF:9.2/10

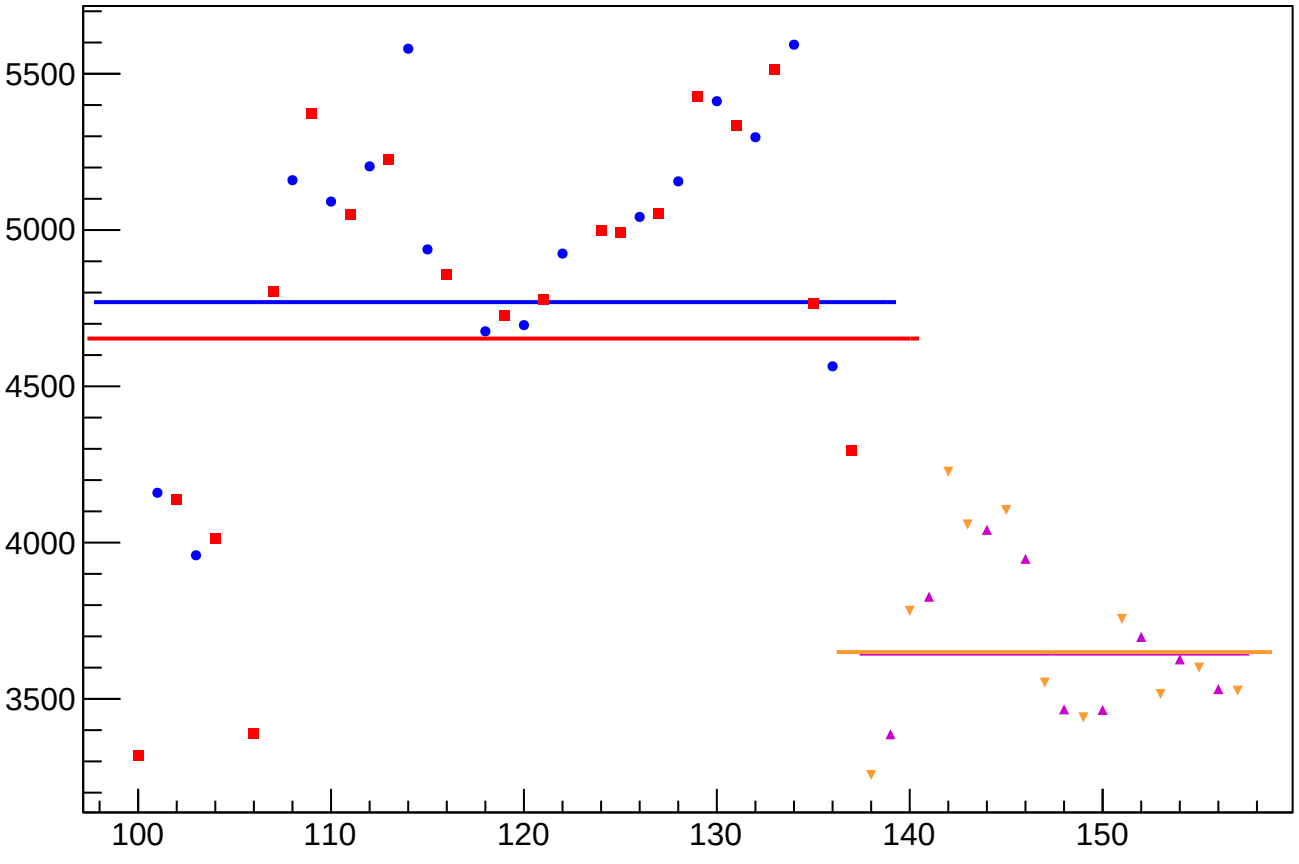
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -7.558+/-1.307 χ^2/NDF:23.3/8

+ sign 4.175+/-1.019 χ^2/NDF: 260.9/26

All: -2.759+/-0.728 χ^2/NDF: 471.5/54

- sign -9.963+/-1.039 χ^2/NDF: 116.3/27



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3649.672+/-0.879 χ^2/NDF:91017.0/10

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

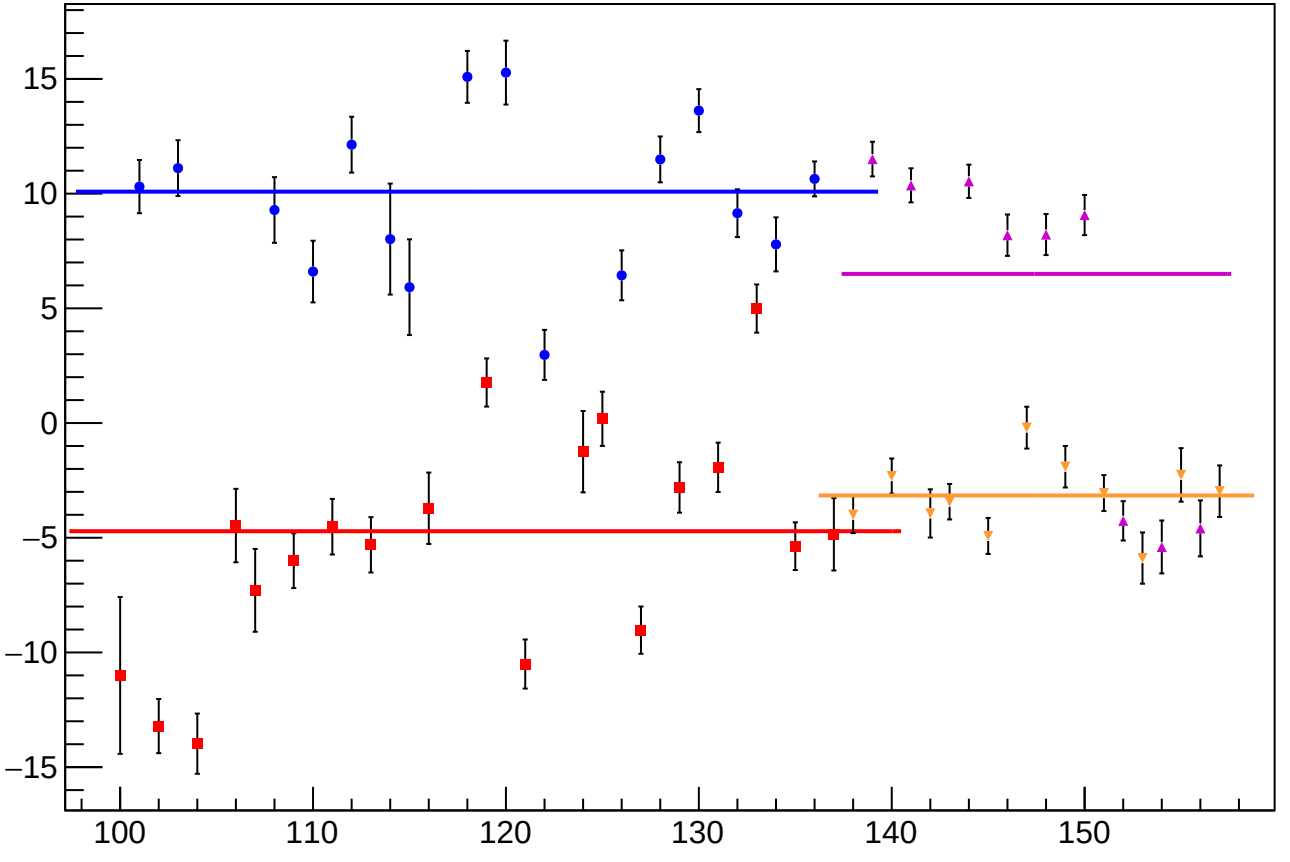
Left In: 3644.849+/-0.924 χ^2/NDF:52867.2/8

+ sign 4016.010+/-0.721 χ^2/NDF: 773997.7/26

All: 4015.731+/-0.514 χ^2/NDF: 1529689.4/54

- sign 4015.440+/-0.735 χ^2/NDF: 755691.4/27

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.158+/-0.269 χ^2/NDF:27.1/10

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

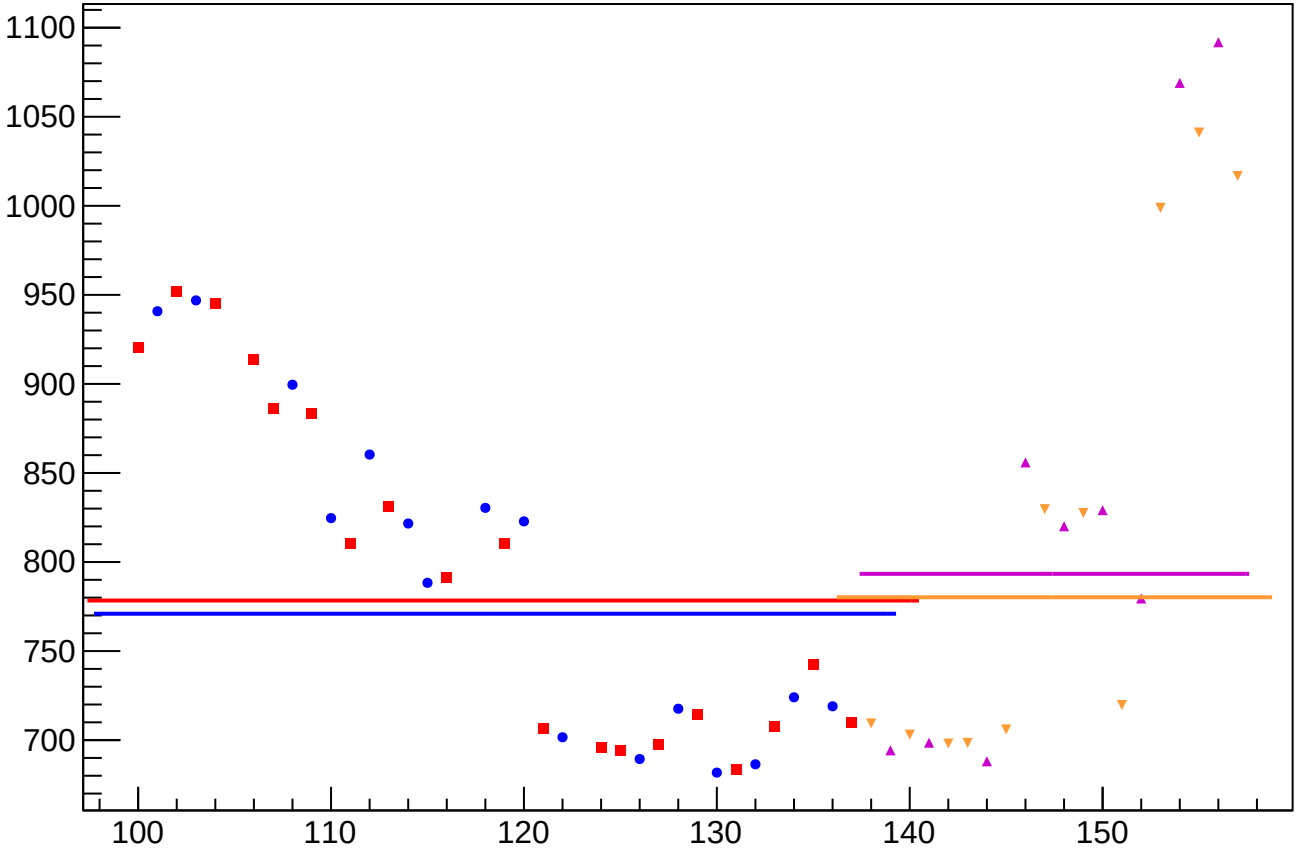
Left In: 6.501+/-0.288 χ^2/NDF:464.4/8

+ sign 3.002+/-0.197 χ^2/NDF: 1279.2/26

All: 1.957+/-0.141 χ^2/NDF: 2875.8/54

- sign 0.845+/-0.203 χ^2/NDF: 1538.3/27

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 780.227+/-0.190 χ^2/NDF:376716.8/10

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

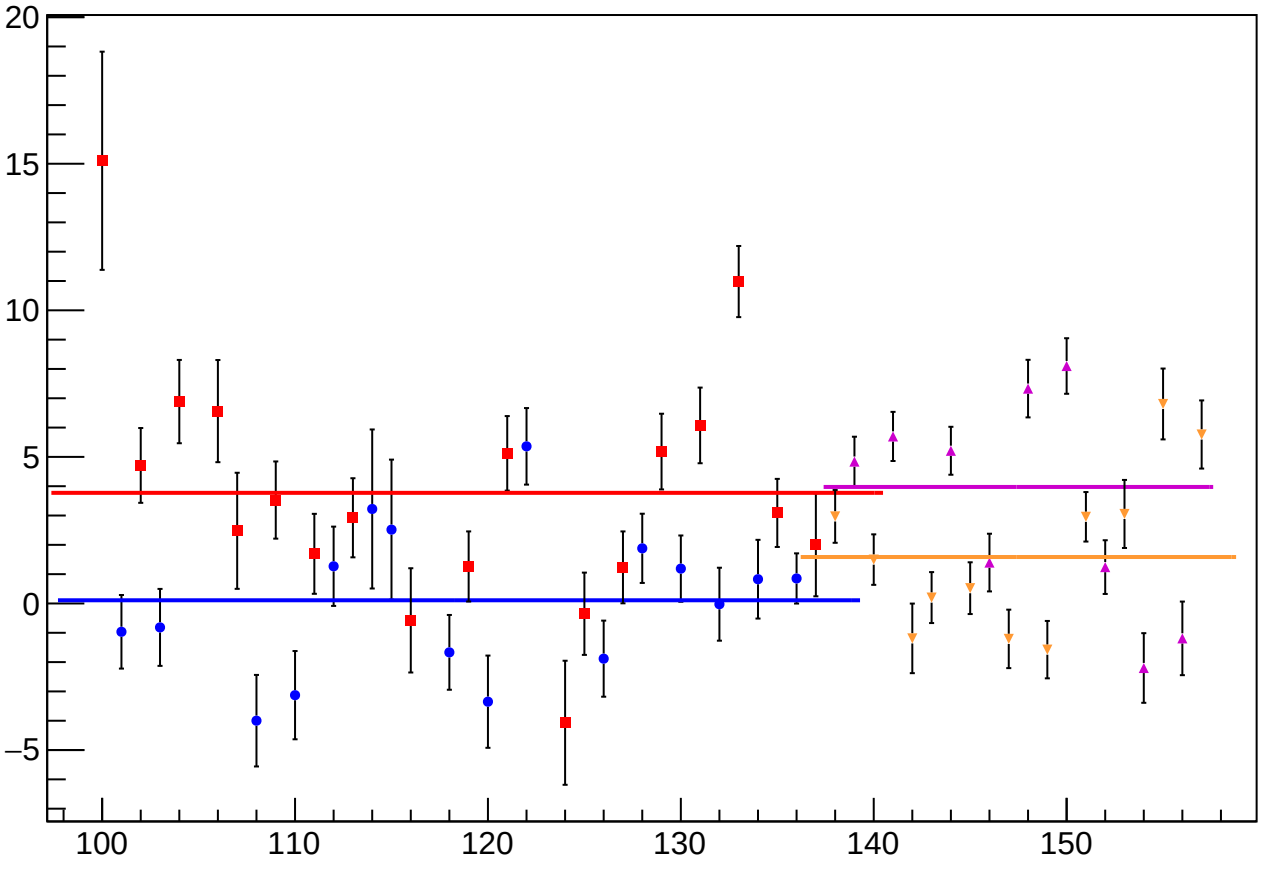
Left In: 793.370+/-0.204 χ^2/NDF:358515.6/8

\+ sign 775.923+/-0.139 χ^2/NDF: 570730.2/26

All: 780.715+/-0.100 χ^2/NDF: 1130965.3/54

\- sign 785.818+/-0.143 χ^2/NDF: 557782.9/27

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.585+/-0.295 χ^2/NDF:65.9/10

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

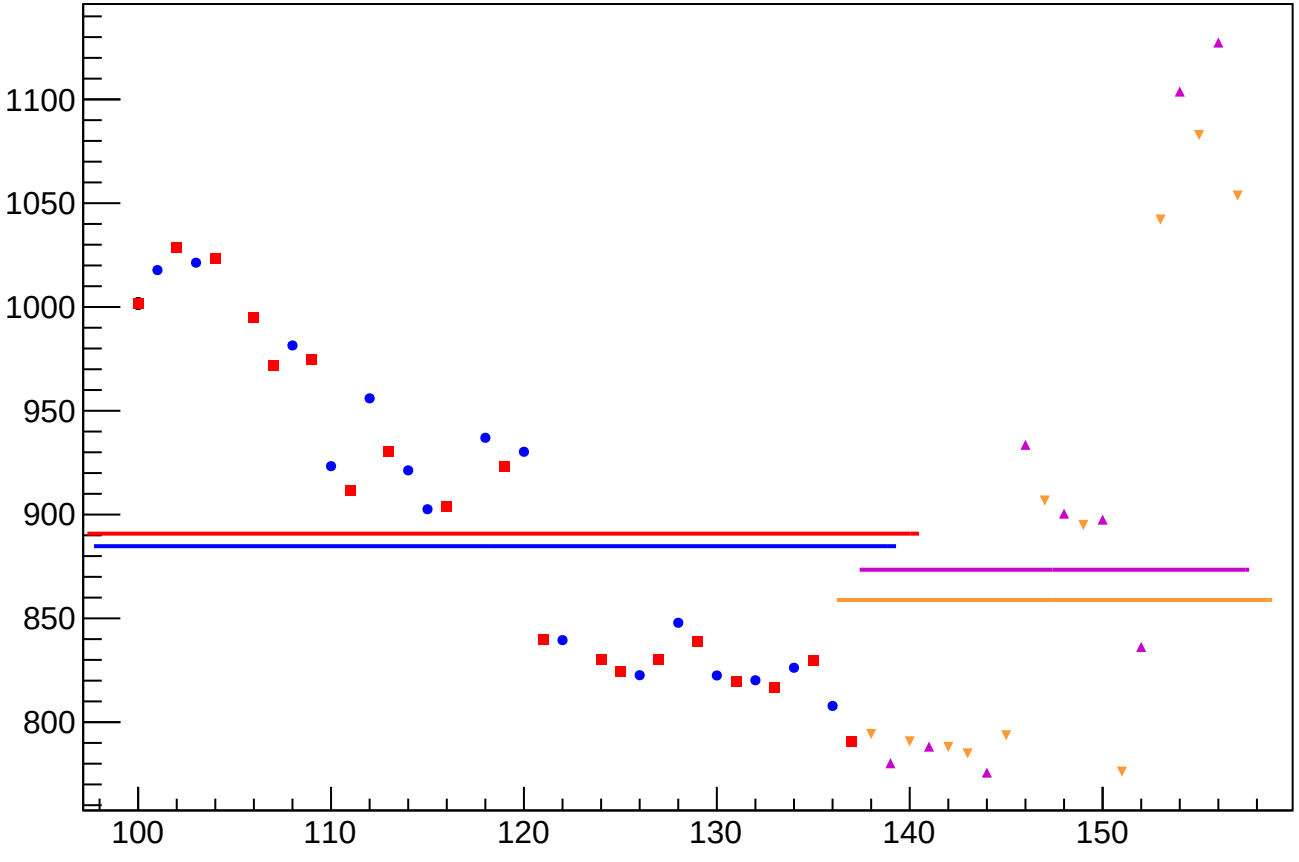
Left In: 3.975+/-0.316 χ^2/NDF:97.9/8

+ sign 0.930+/-0.220 χ^2/NDF: 122.4/26

All: 2.357+/-0.158 χ^2/NDF: 407.2/54

- sign 3.878+/-0.227 χ^2/NDF: 197.7/27

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 858.871+/-0.208 χ^2/NDF:256577.0/10

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

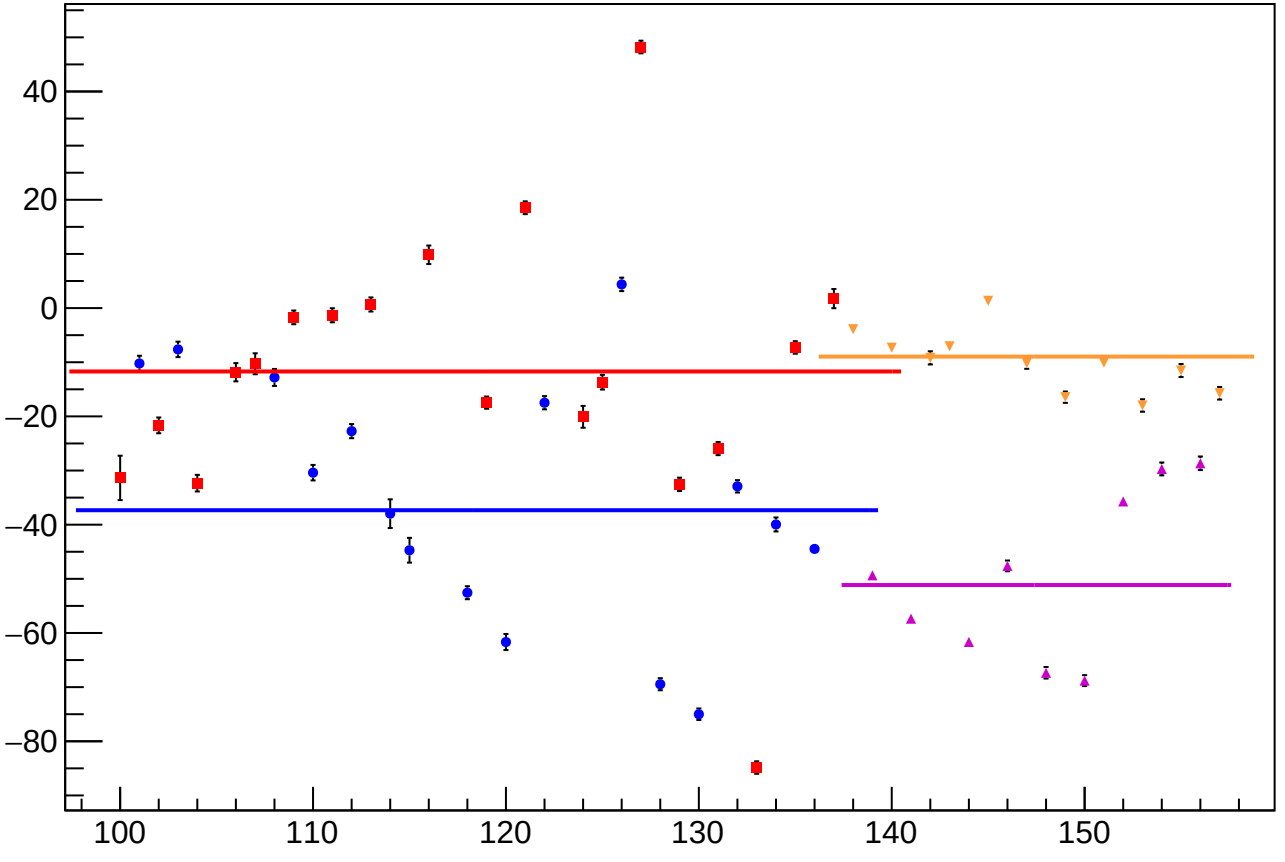
Left In: 873.436+/-0.223 χ^2/NDF:244087.8/8

\+ sign 870.364+/-0.155 χ^2/NDF: 367929.9/26

All: 875.923+/-0.112 χ^2/NDF: 725357.6/54

\- sign 881.847+/-0.160 χ^2/NDF: 354783.5/27

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.960+/-0.300 χ^2/NDF:323.0/10

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

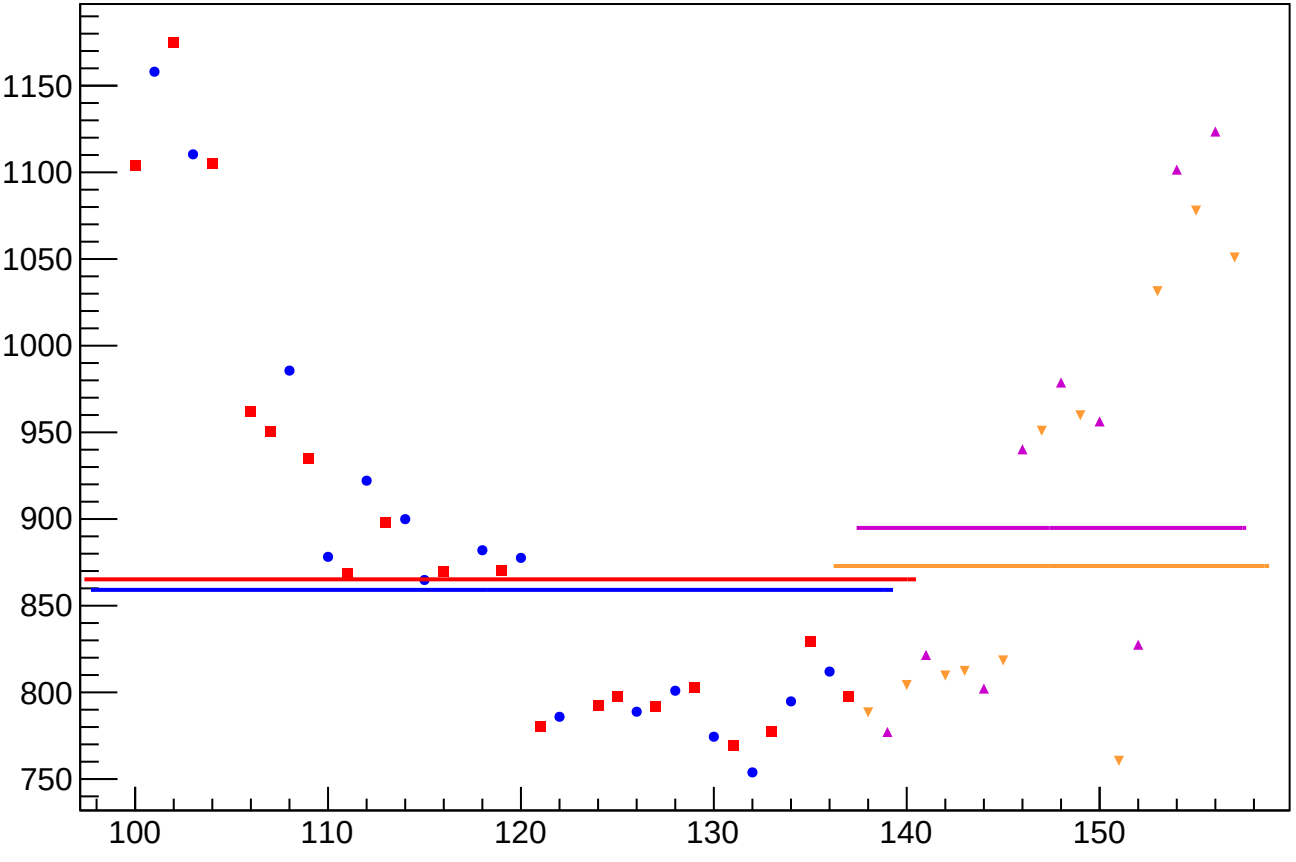
Left In: -51.143+/-0.324 χ^2/NDF:1696.5/8

\+ sign -22.132+/-0.219 χ^2/NDF: 9673.0/26

All: -26.453+/-0.158 χ^2/NDF: 28195.5/54

\- sign -31.077+/-0.227 χ^2/NDF: 17718.4/27

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 872.918+/-0.212 χ^2/NDF:256367.2/10

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

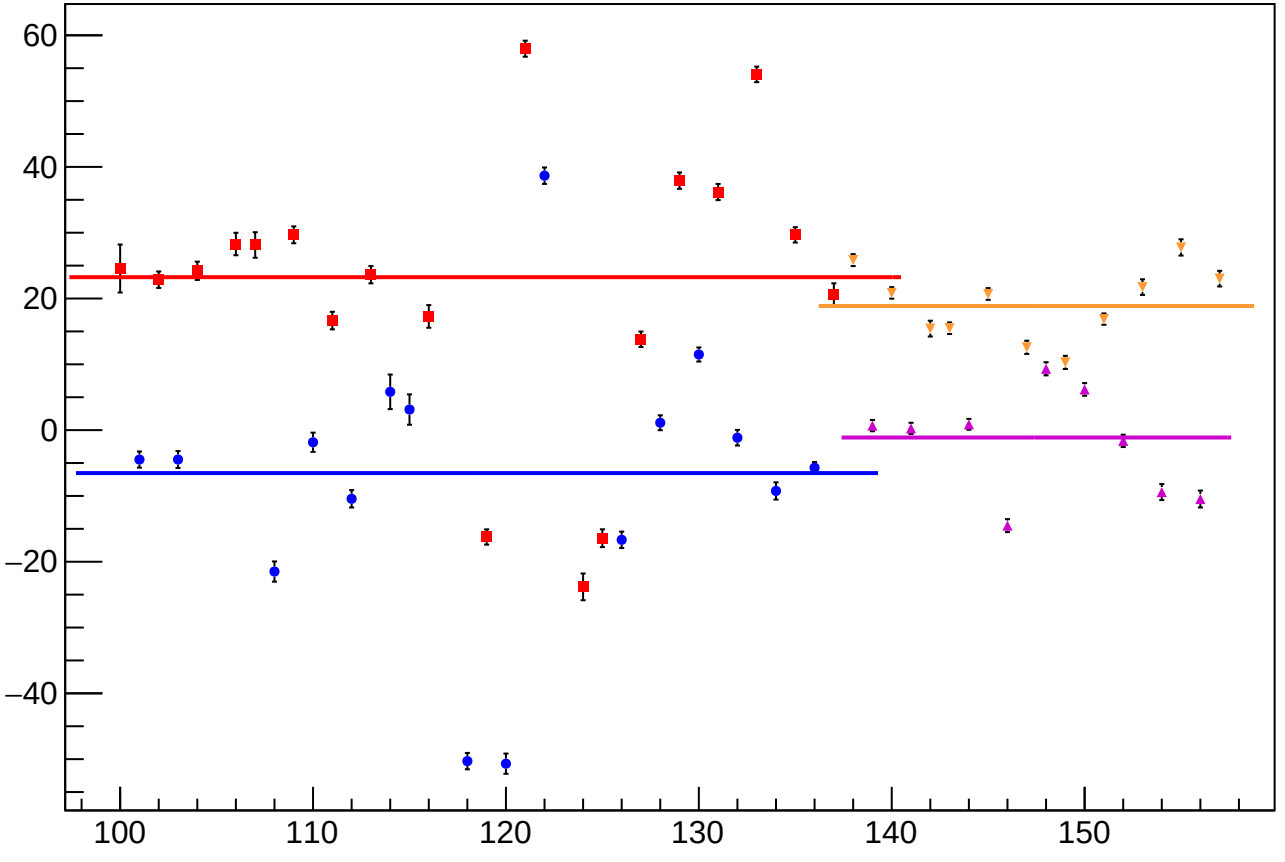
Left In: 894.870+/-0.229 χ^2/NDF:239237.5/8

+ sign 866.514+/-0.155 χ^2/NDF: 487046.0/26

All: 872.923+/-0.111 χ^2/NDF: 962038.6/54

- sign 879.780+/-0.160 χ^2/NDF: 471455.1/27

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.864+/-0.299 χ^2/NDF:278.9/10

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

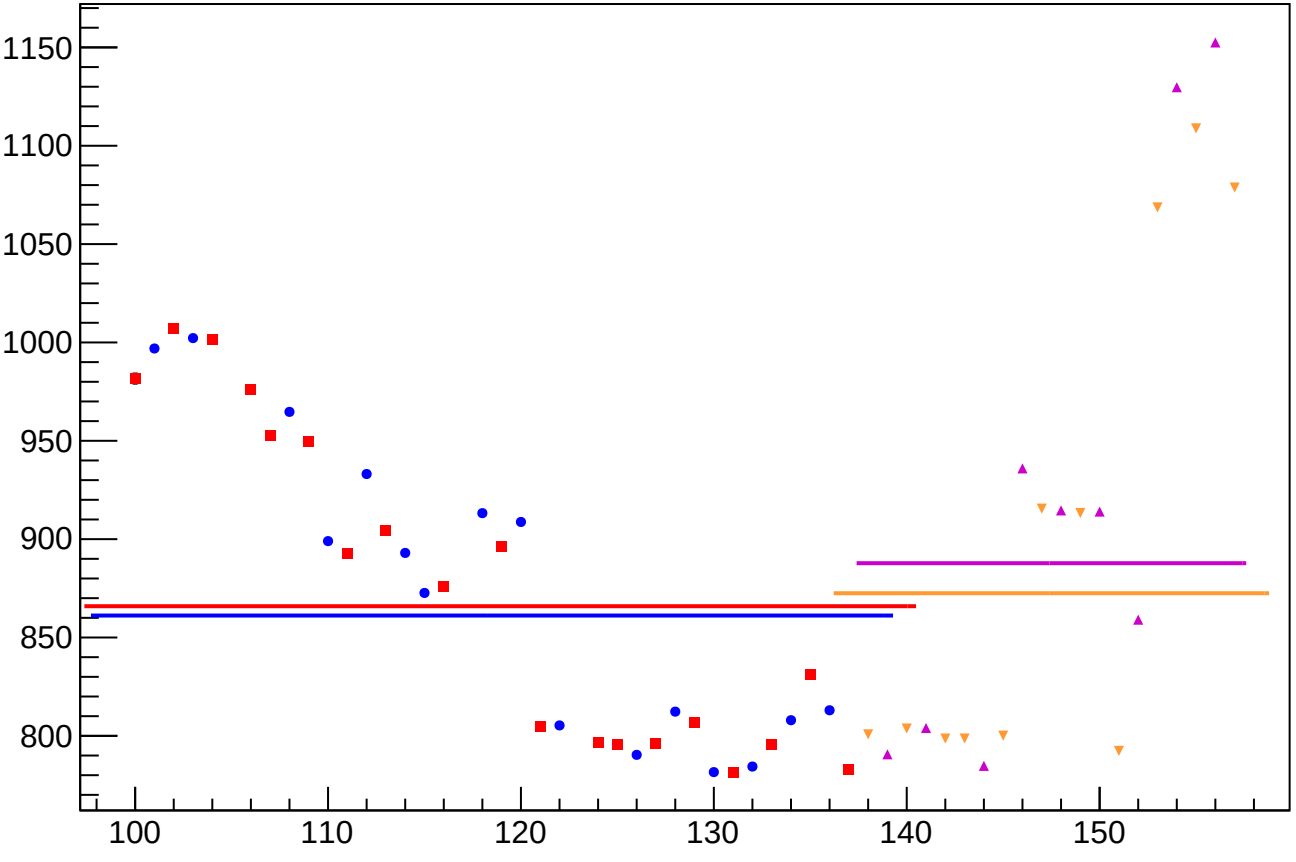
Left In: -1.122+/-0.321 χ^2/NDF:464.1/8

+ sign 7.058+/-0.219 χ^2/NDF: 7569.3/26

All: 9.074+/-0.157 χ^2/NDF: 15594.9/54

- sign 11.212+/-0.226 χ^2/NDF: 7851.0/27

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 872.505+/-0.212 χ^2/NDF:271326.5/10

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

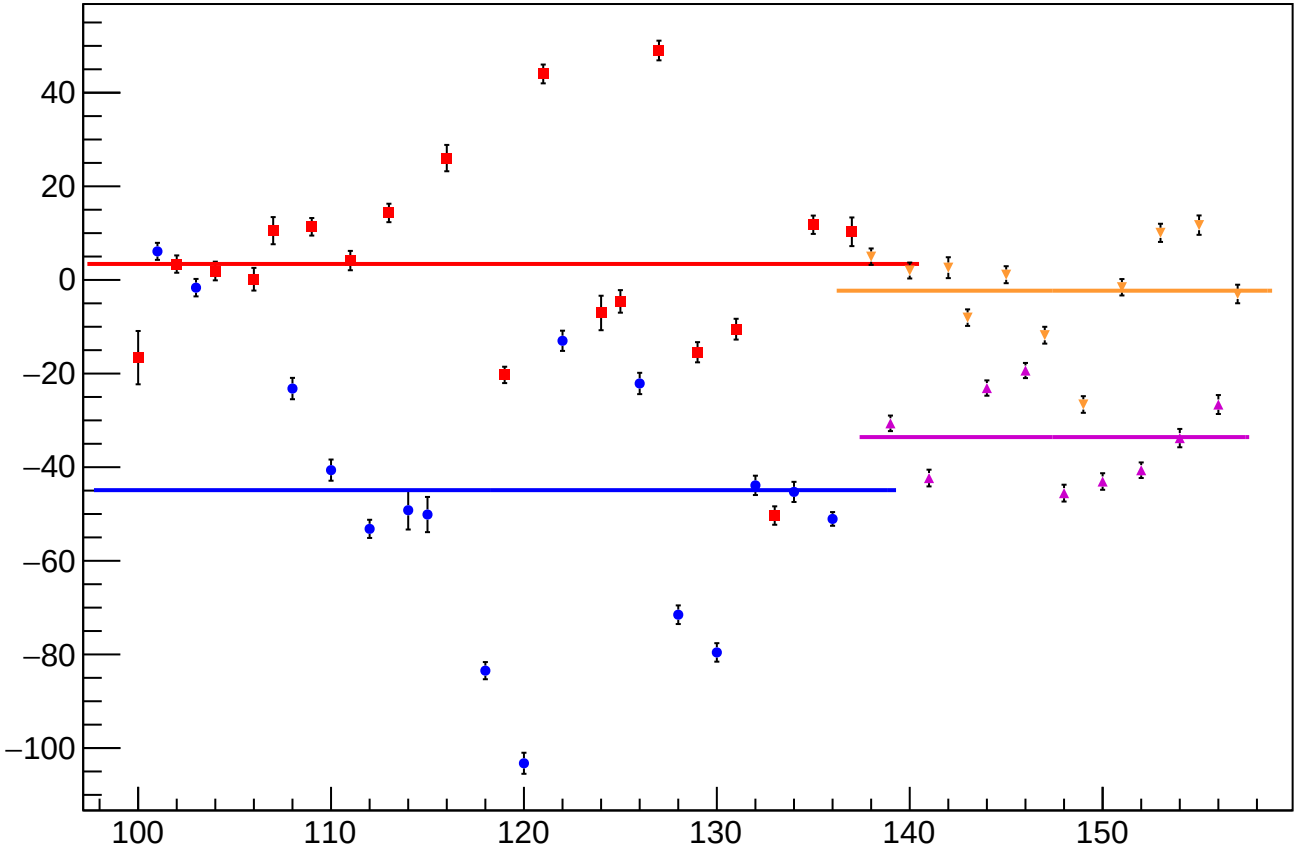
Left In: 887.777+/-0.227 χ^2/NDF:249806.3/8

+ sign 867.235+/-0.155 χ^2/NDF: 386189.2/26

All: 871.831+/-0.111 χ^2/NDF: 760928.8/54

- sign 876.706+/-0.159 χ^2/NDF: 372924.3/27

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.296+/-0.559 χ^2/NDF:344.3/10

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

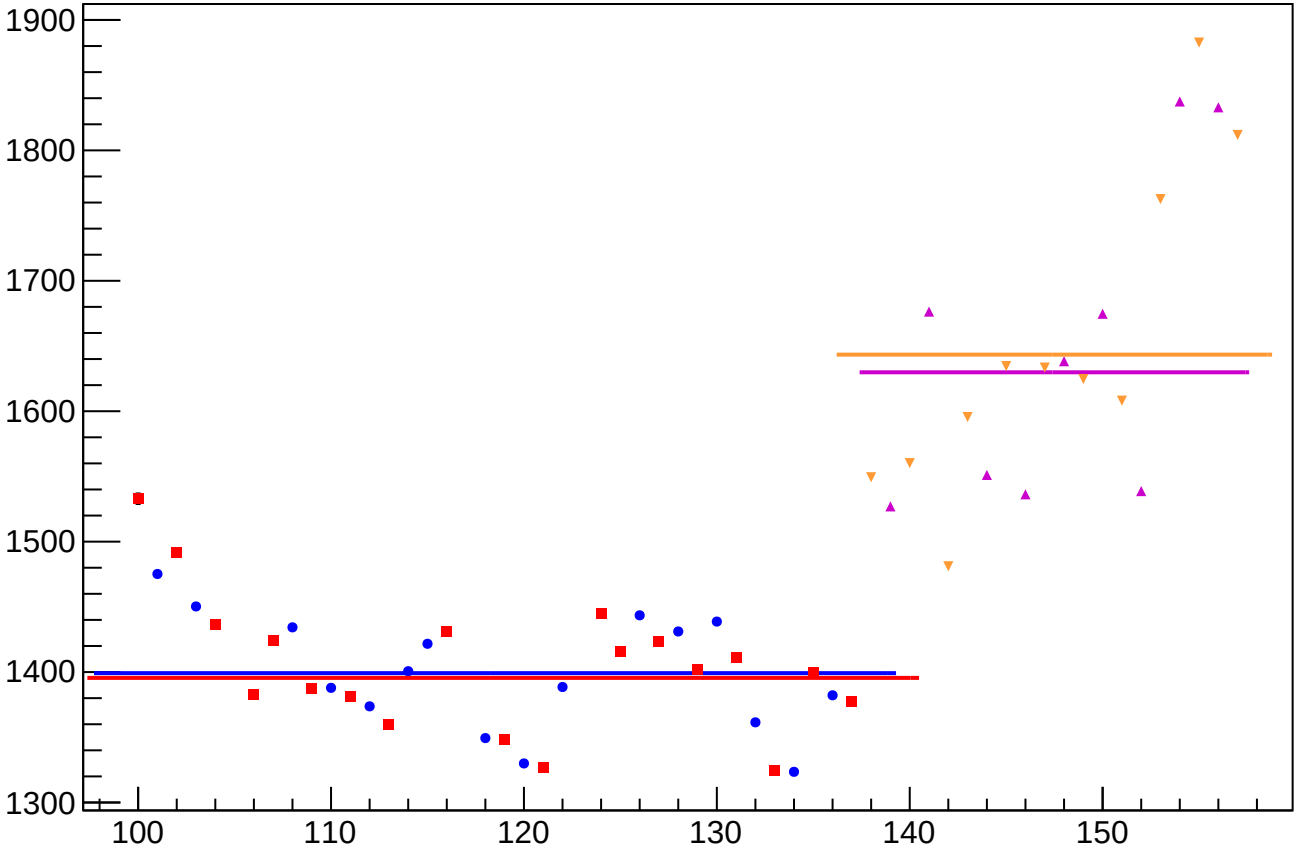
Left In: -33.568+/-0.585 χ^2/NDF:248.1/8

+ sign -25.140+/-0.381 χ^2/NDF: 6837.5/26

All: -18.892+/-0.270 χ^2/NDF: 12006.9/54

- sign -12.535+/-0.384 χ^2/NDF: 4625.9/27

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1643.390+/-0.395 χ^2/NDF:72431.1/10

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

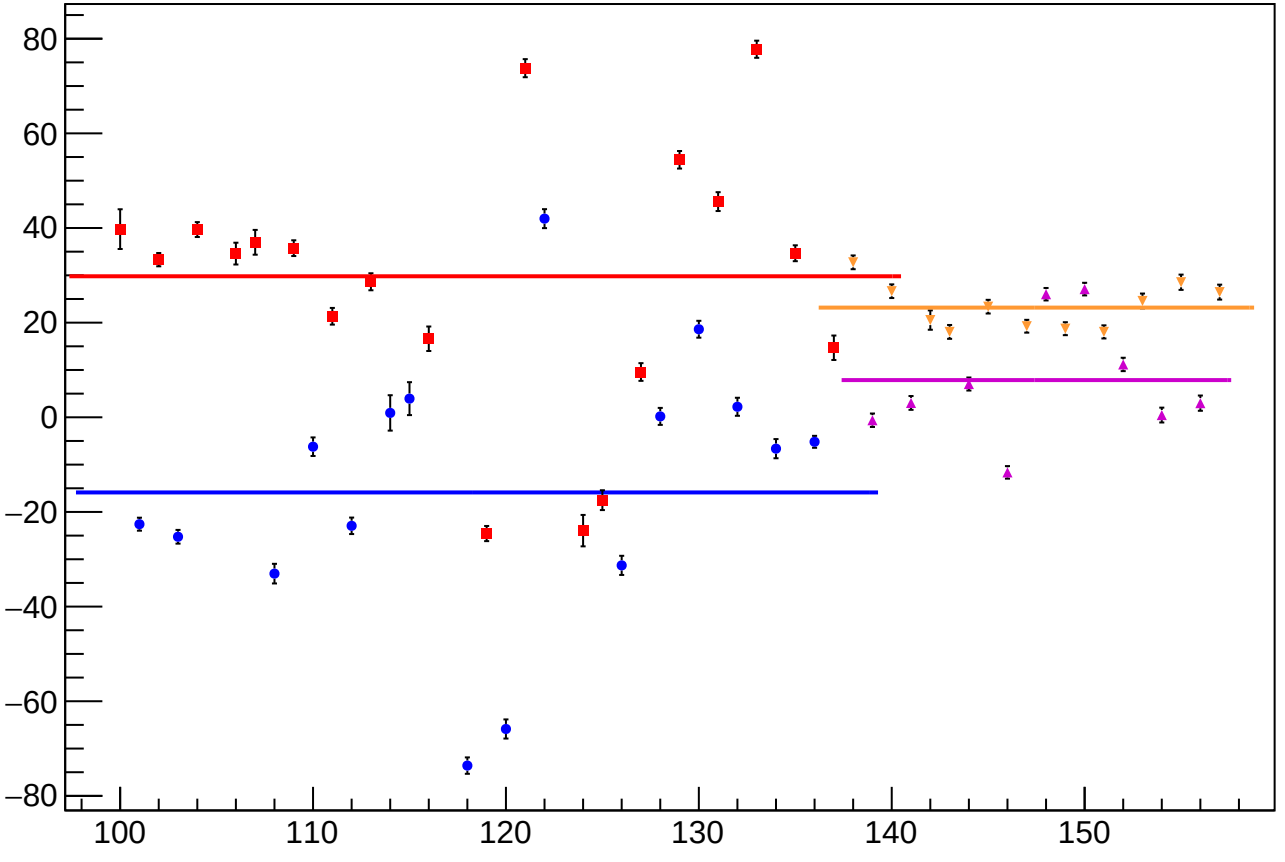
Left In: 1629.849+/-0.413 χ^2/NDF:70277.2/8

+ sign 1512.454+/-0.269 χ^2/NDF: 291983.0/26

All: 1504.594+/-0.191 χ^2/NDF: 562885.2/54

- sign 1496.598+/-0.272 χ^2/NDF: 269182.3/27

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.180+/-0.451 χ^2/NDF:111.8/10

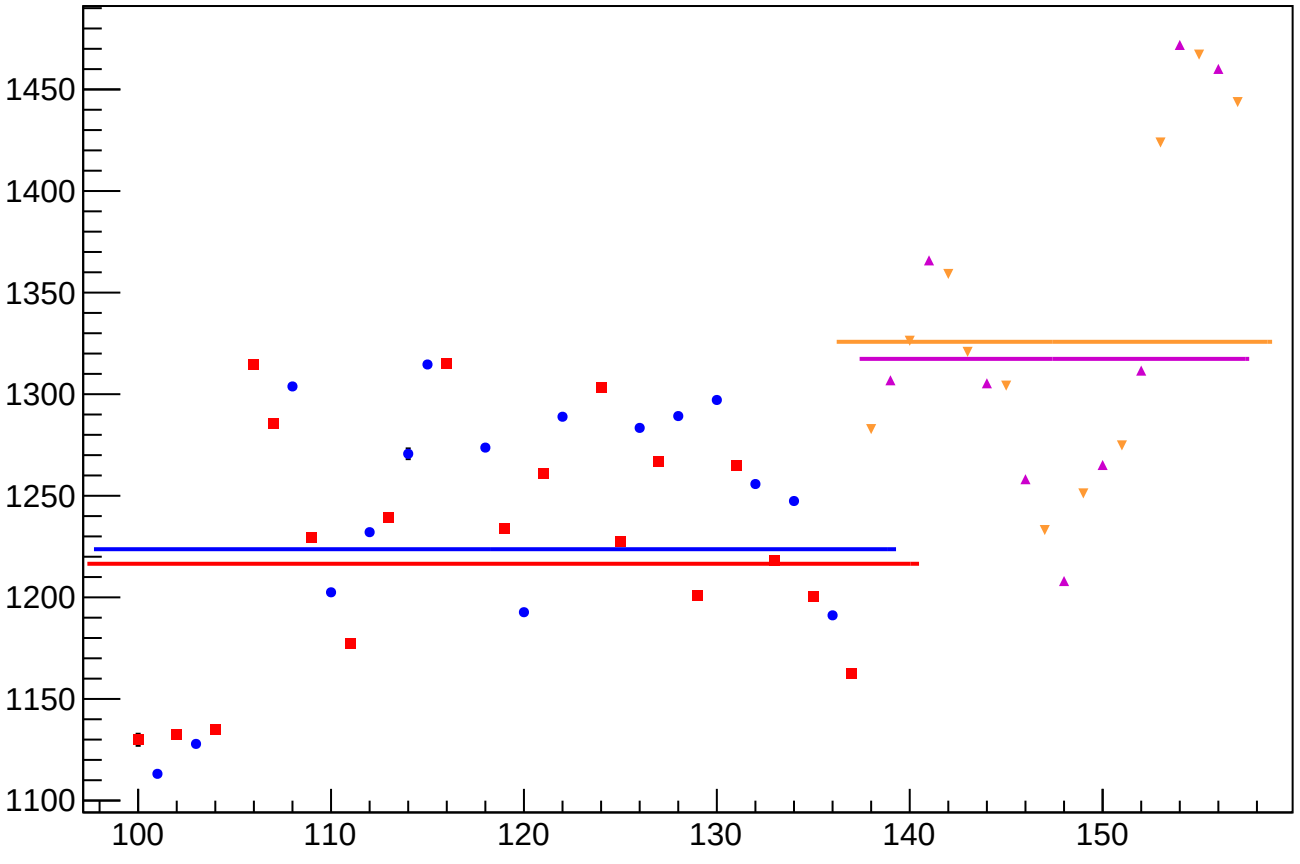
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 7.862+/-0.472 χ^2/NDF:697.4/8

+ sign 3.848+/-0.320 χ^2/NDF: 7307.2/26

All: 11.591+/-0.228 χ^2/NDF: 14012.1/54

- sign 19.491+/-0.324 χ^2/NDF: 5524.1/27



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1325.790+/-0.319 χ^2/NDF:55065.4/10

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

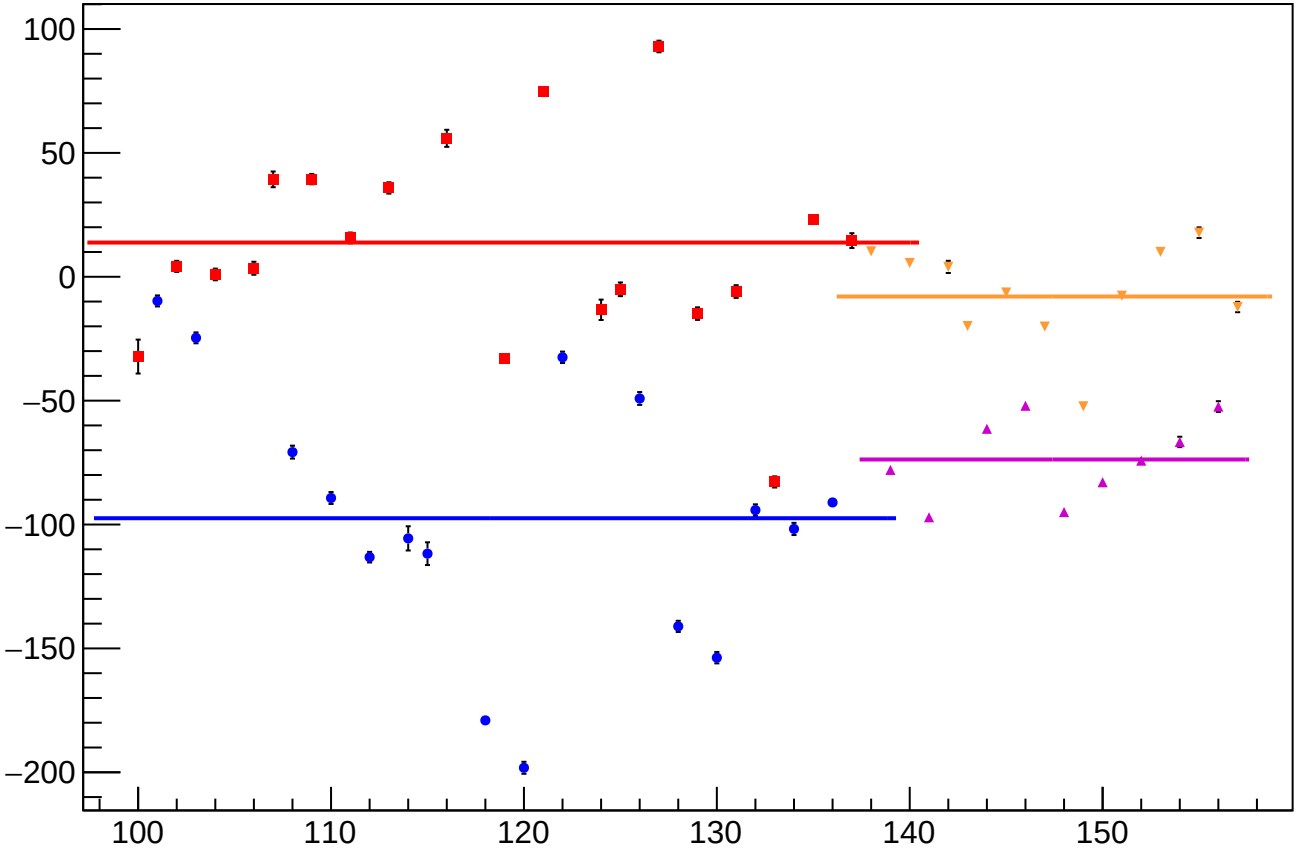
Left In: 1317.382+/-0.334 χ^2/NDF:58395.7/8

+ sign 1275.260+/-0.226 χ^2/NDF: 146743.6/26

All: 1269.650+/-0.161 χ^2/NDF: 284170.9/54

- sign 1263.925+/-0.229 χ^2/NDF: 136187.3/27

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.964+/-0.575 χ^2/NDF:1114.0/10

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

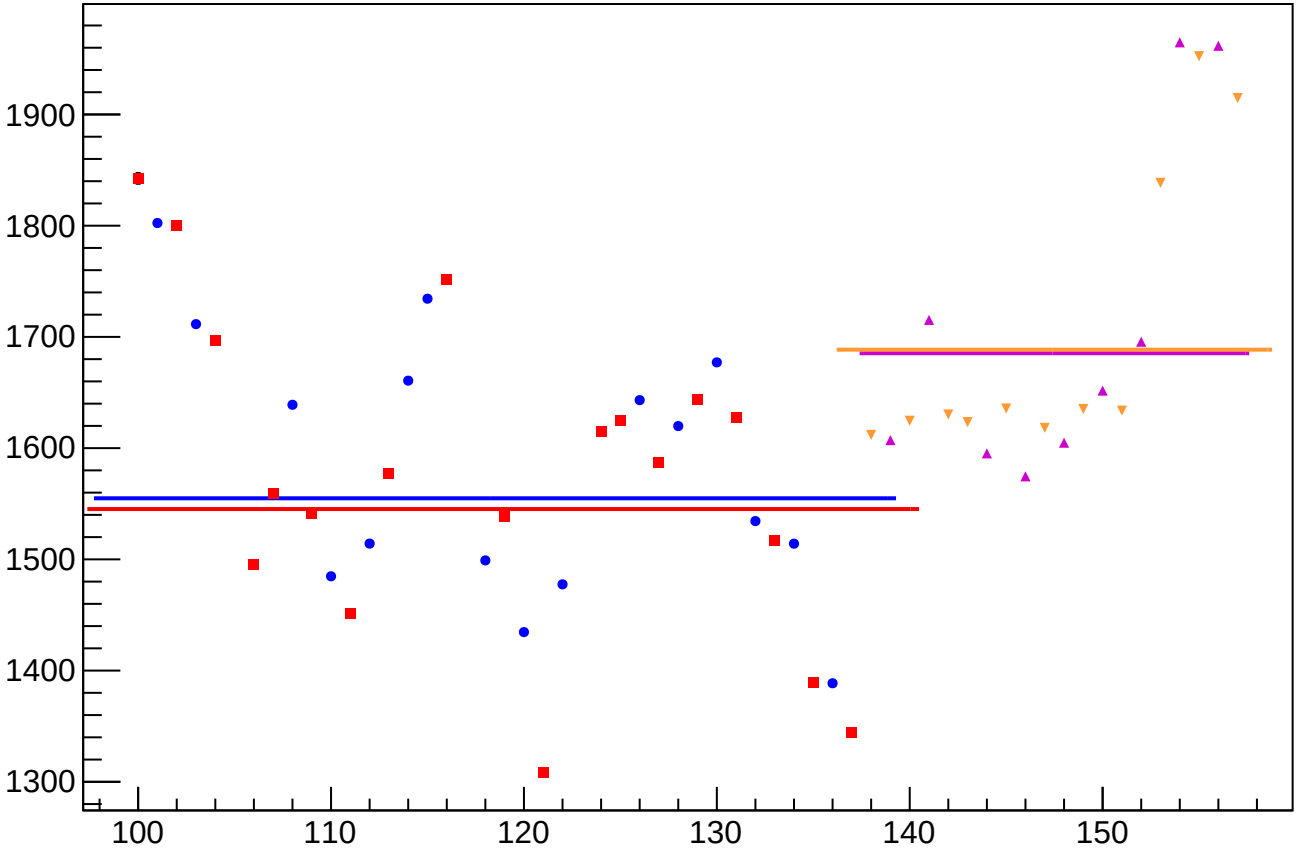
Left In: -73.741+/-0.605 χ^2/NDF:675.9/8

\+ sign -52.344+/-0.408 χ^2/NDF: 21439.1/26

All: -39.854+/-0.290 χ^2/NDF: 40547.8/54

\- sign -27.054+/-0.413 χ^2/NDF: 17211.6/27

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1688.519+/-0.406 χ^2/NDF:82823.6/10

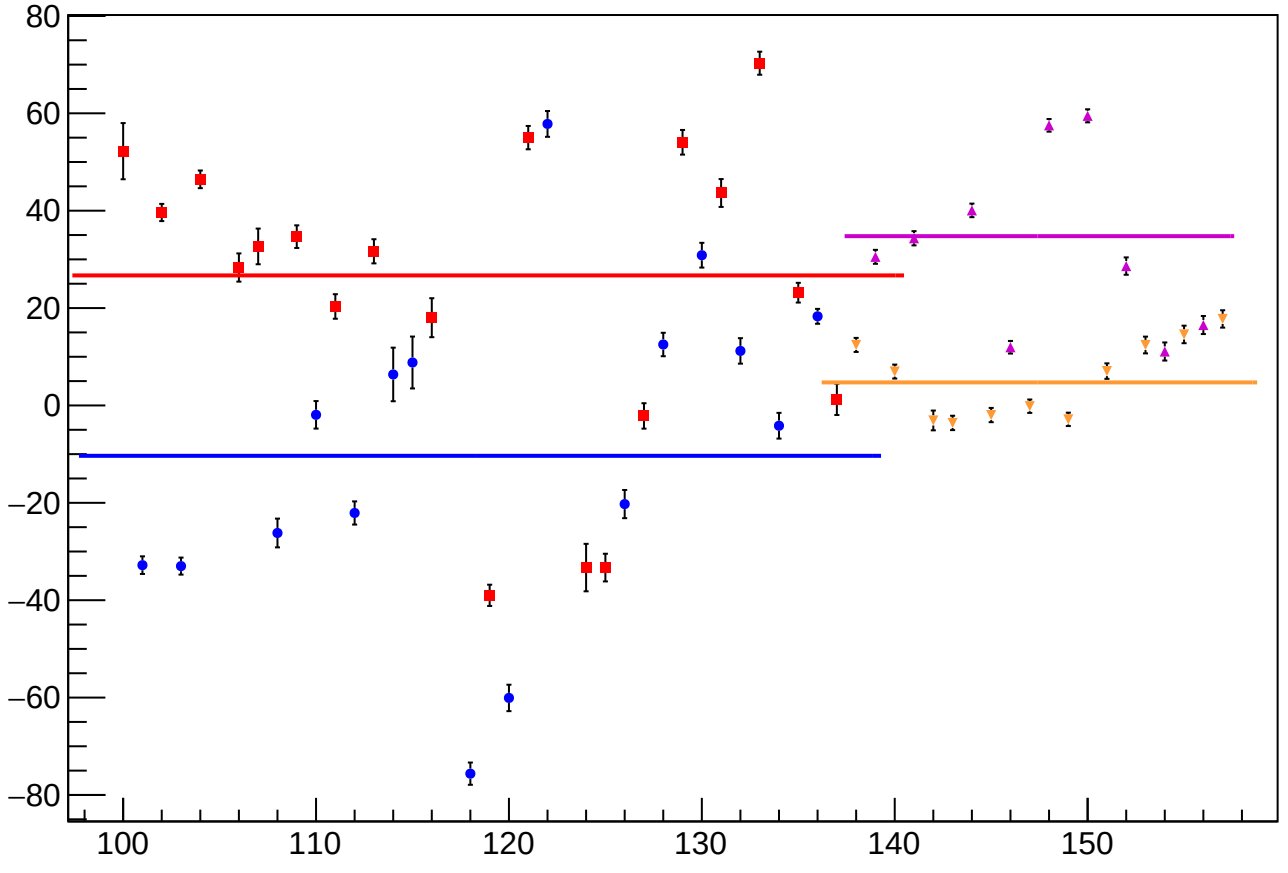
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1685.317+/-0.428 χ^2/NDF:92333.2/8

\+ sign 1622.259+/-0.289 χ^2/NDF: 224351.0/26

All: 1616.514+/-0.205 χ^2/NDF: 483525.2/54

\- sign 1610.626+/-0.292 χ^2/NDF: 258371.2/27



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 4.731+/-0.469 χ^2/NDF:246.9/10

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

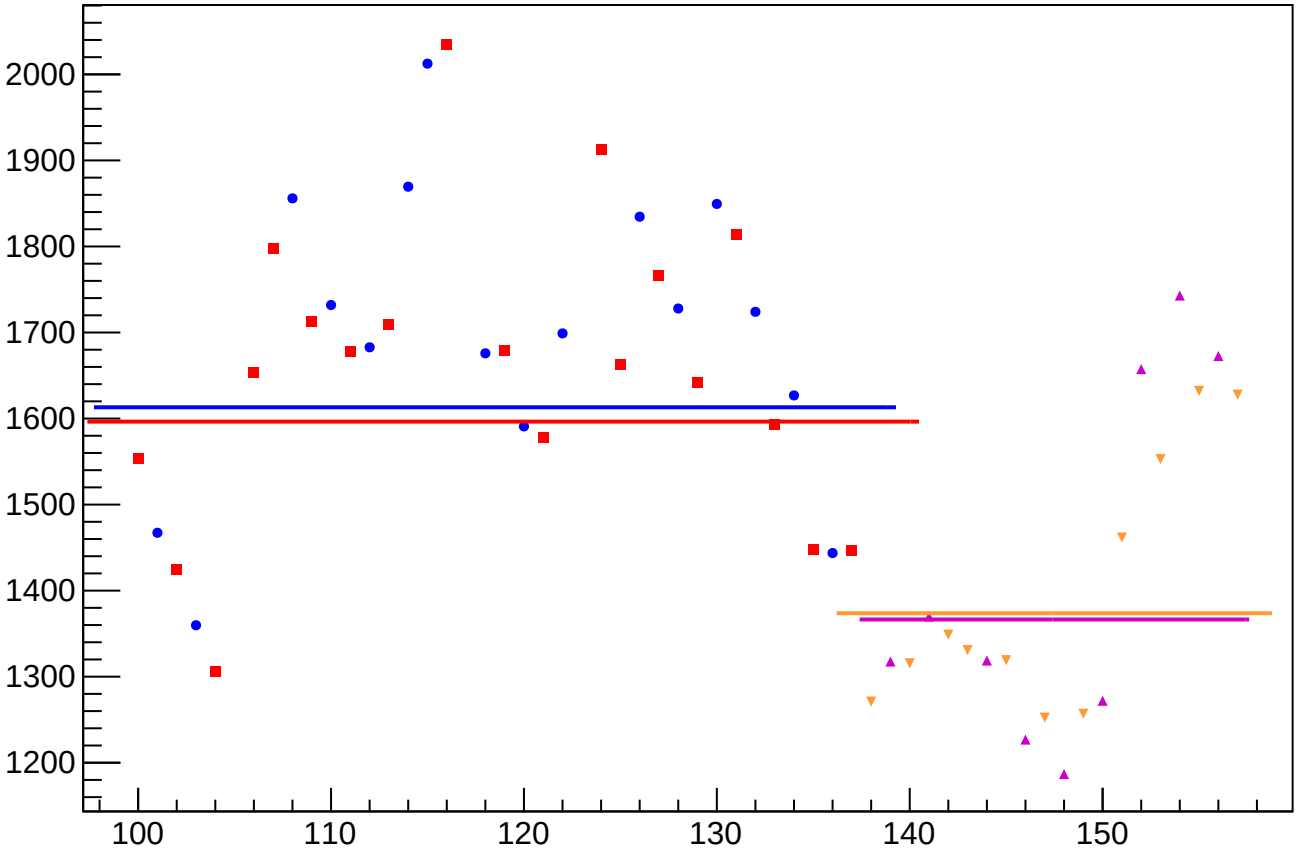
Left In: 34.769+/-0.493 χ^2/NDF:1251.7/8

\+ sign -0.951+/-0.370 χ^2/NDF: 3643.2/26

All: 14.930+/-0.264 χ^2/NDF: 11297.1/54

\- sign 31.430+/-0.377 χ^2/NDF: 3903.1/27

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1373.727+/-0.332 χ^2/NDF:157614.6/10

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

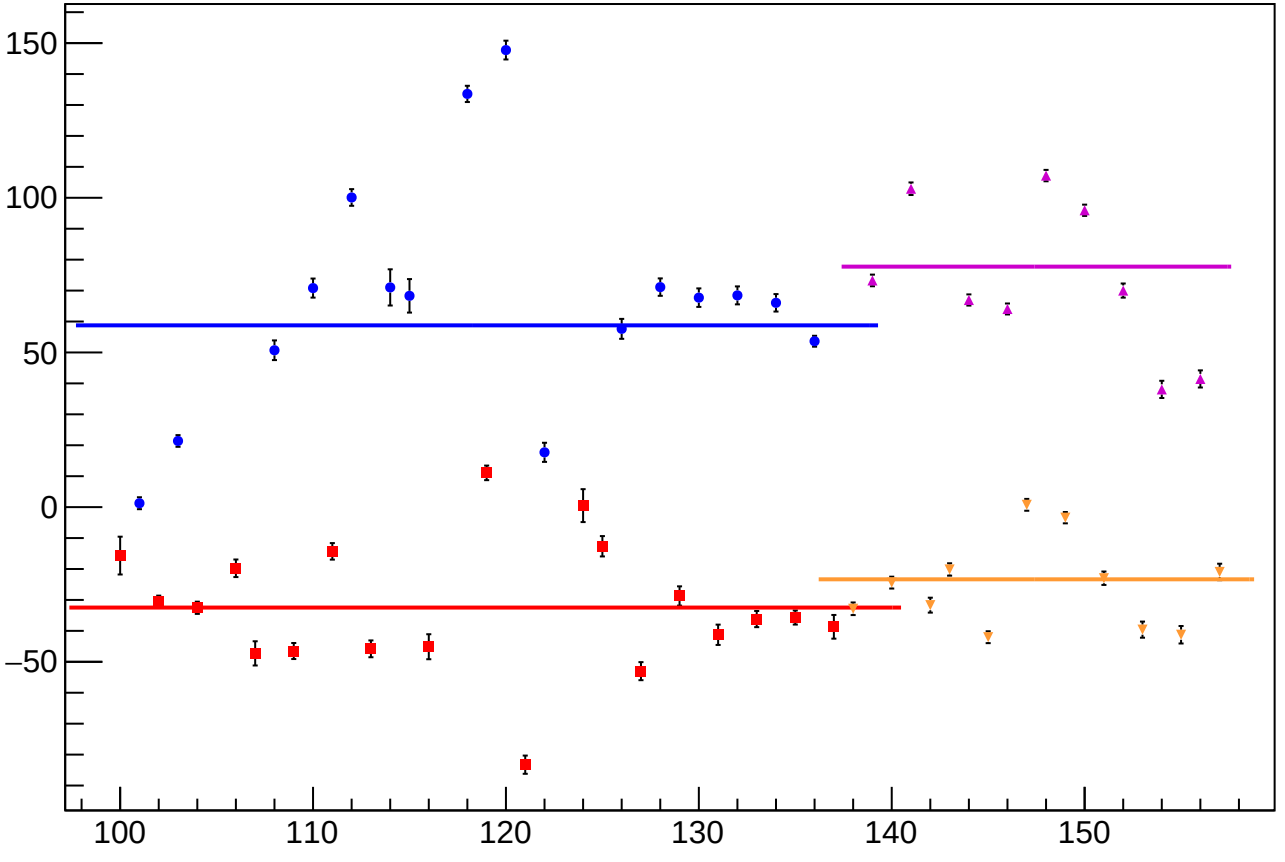
Left In: 1366.486+/-0.349 χ^2/NDF:265886.7/8

+ sign 1463.938+/-0.262 χ^2/NDF: 508618.3/26

All: 1462.868+/-0.187 χ^2/NDF: 1115419.3/54

- sign 1461.756+/-0.267 χ^2/NDF: 606766.9/27

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -23.337+/-0.645 χ^2/NDF:488.2/10

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

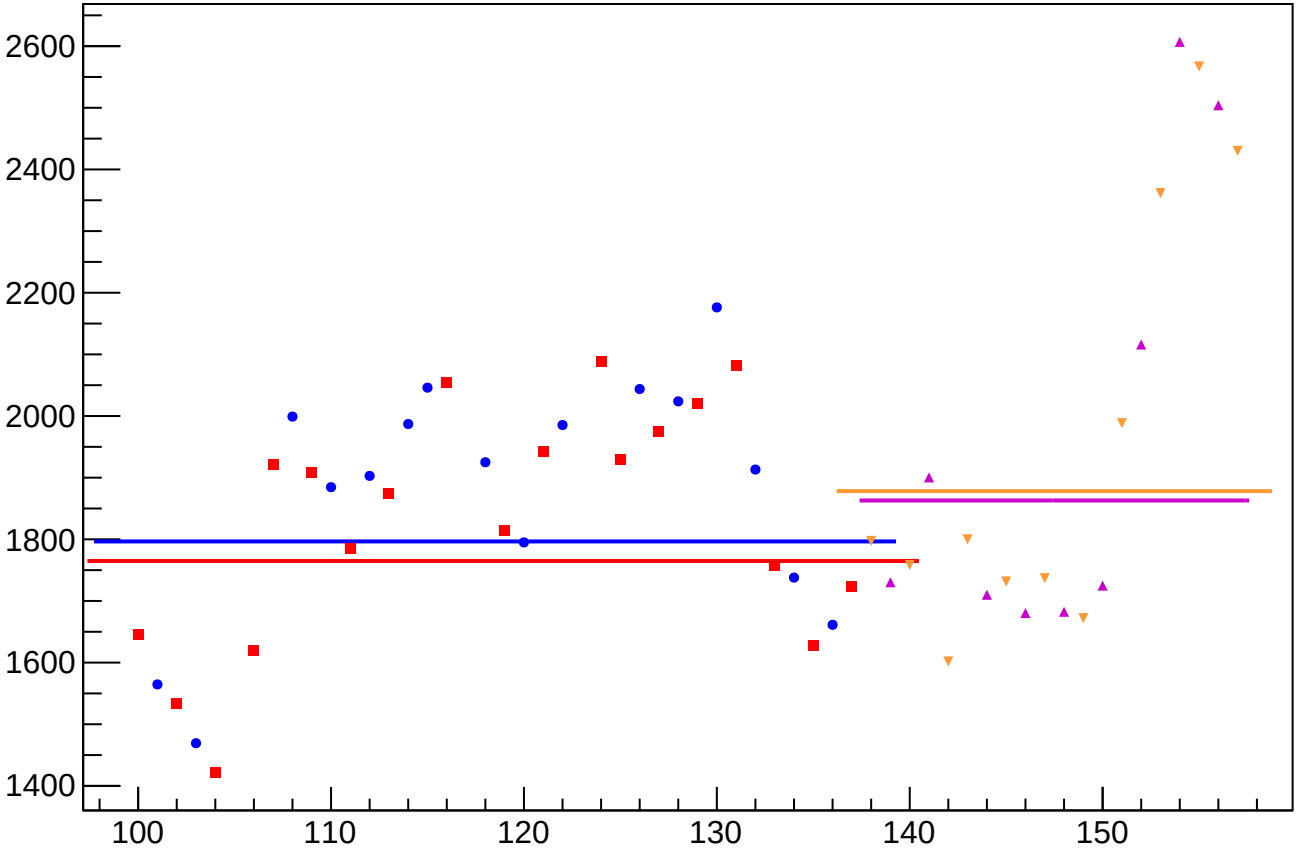
Left In: 77.744+/-0.675 χ^2/NDF:997.0/8

+ sign 16.014+/-0.466 χ^2/NDF: 11692.5/26

All: 18.225+/-0.330 χ^2/NDF: 27537.0/54

- sign 20.455+/-0.468 χ^2/NDF: 15799.1/27

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1878.223+/-0.456 χ^2/NDF:367049.8/10

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

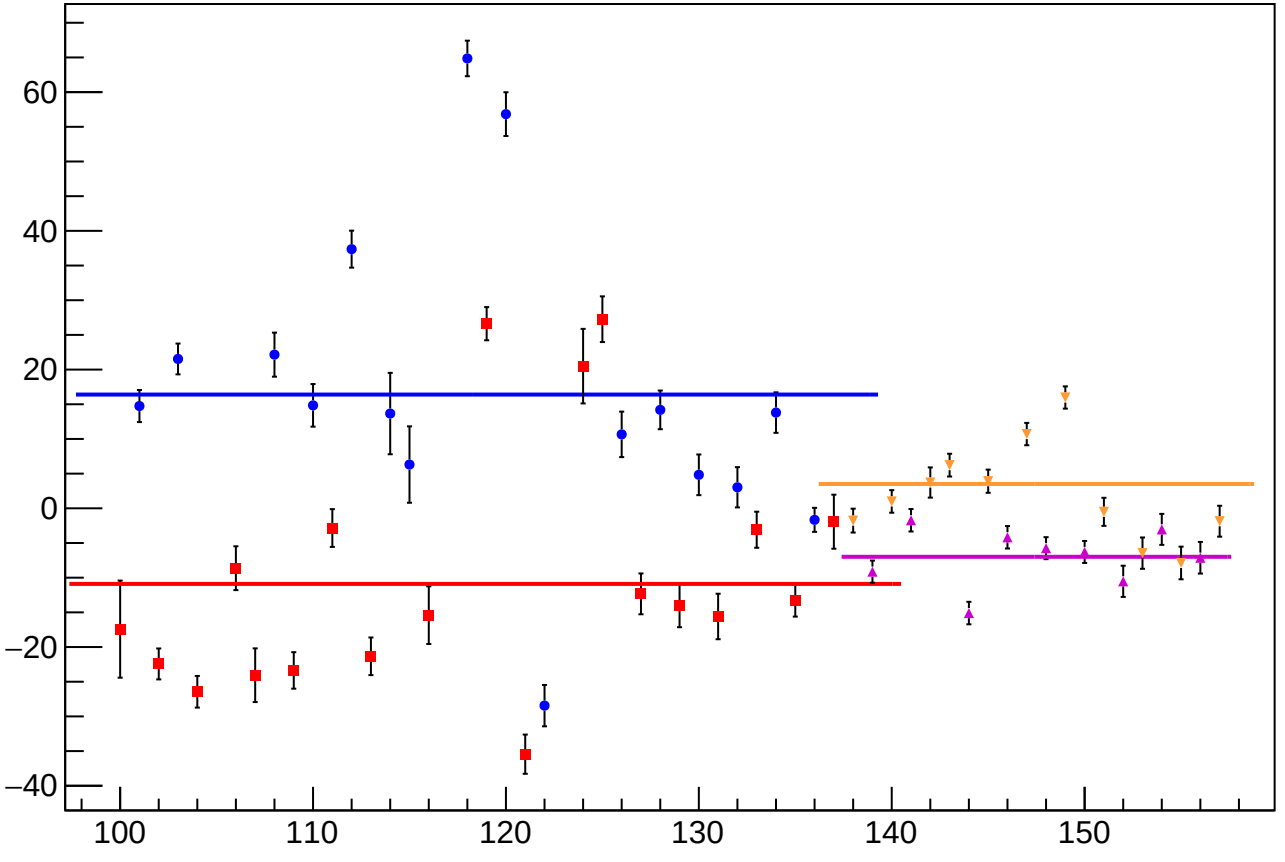
Left In: 1862.984+/-0.477 χ^2/NDF:351659.8/8

+ sign 1839.078+/-0.329 χ^2/NDF: 575581.6/26

All: 1825.585+/-0.233 χ^2/NDF: 1142595.0/54

- sign 1811.978+/-0.331 χ^2/NDF: 563639.1/27

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.508+/-0.554 χ^2/NDF:147.6/10

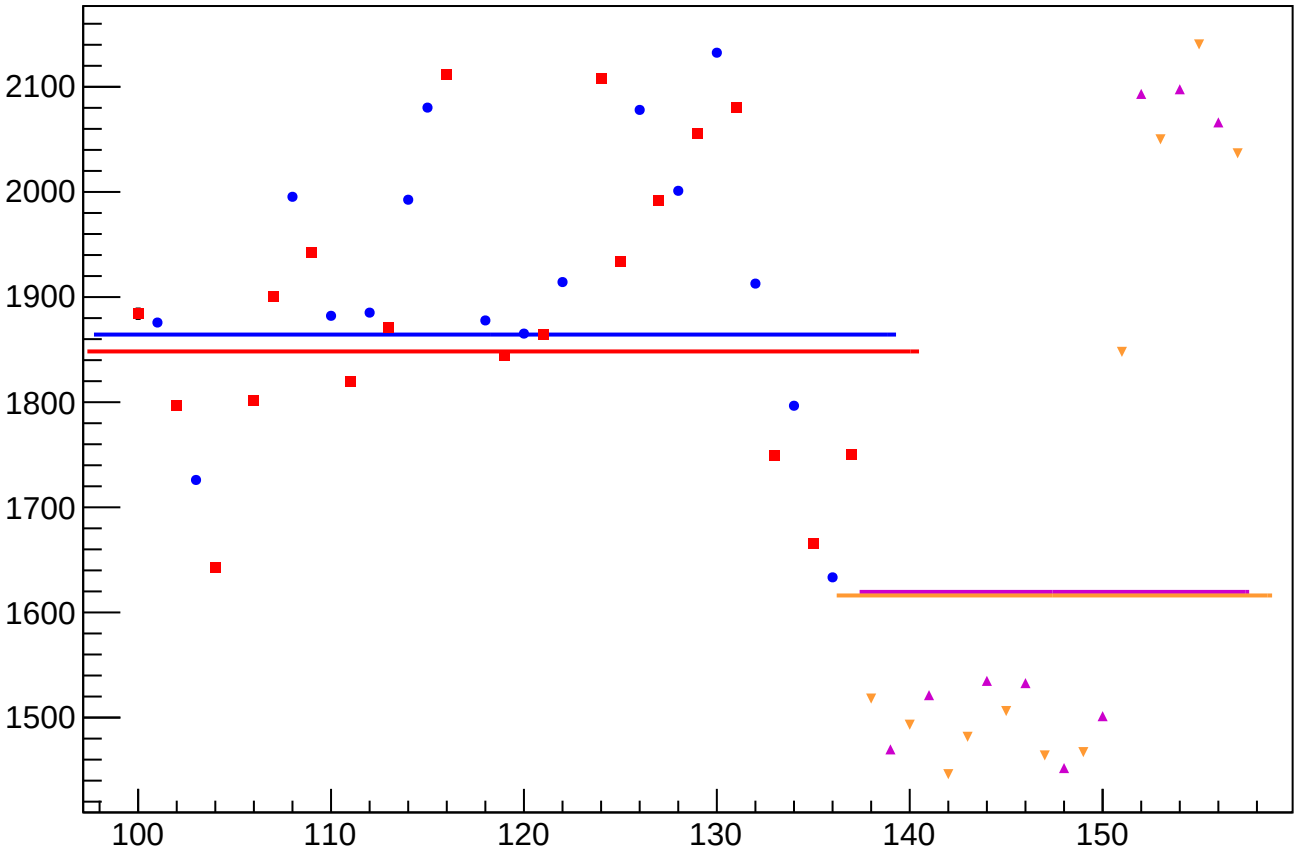
Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: -6.990+/-0.585 χ^2/NDF:46.9/8

\+ sign 8.523+/-0.433 χ^2/NDF: 1330.8/26

All: 0.106+/-0.310 χ^2/NDF: 2808.5/54

\- sign -8.663+/-0.442 χ^2/NDF: 707.7/27



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1616.151+/-0.392 χ^2/NDF:357978.7/10

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

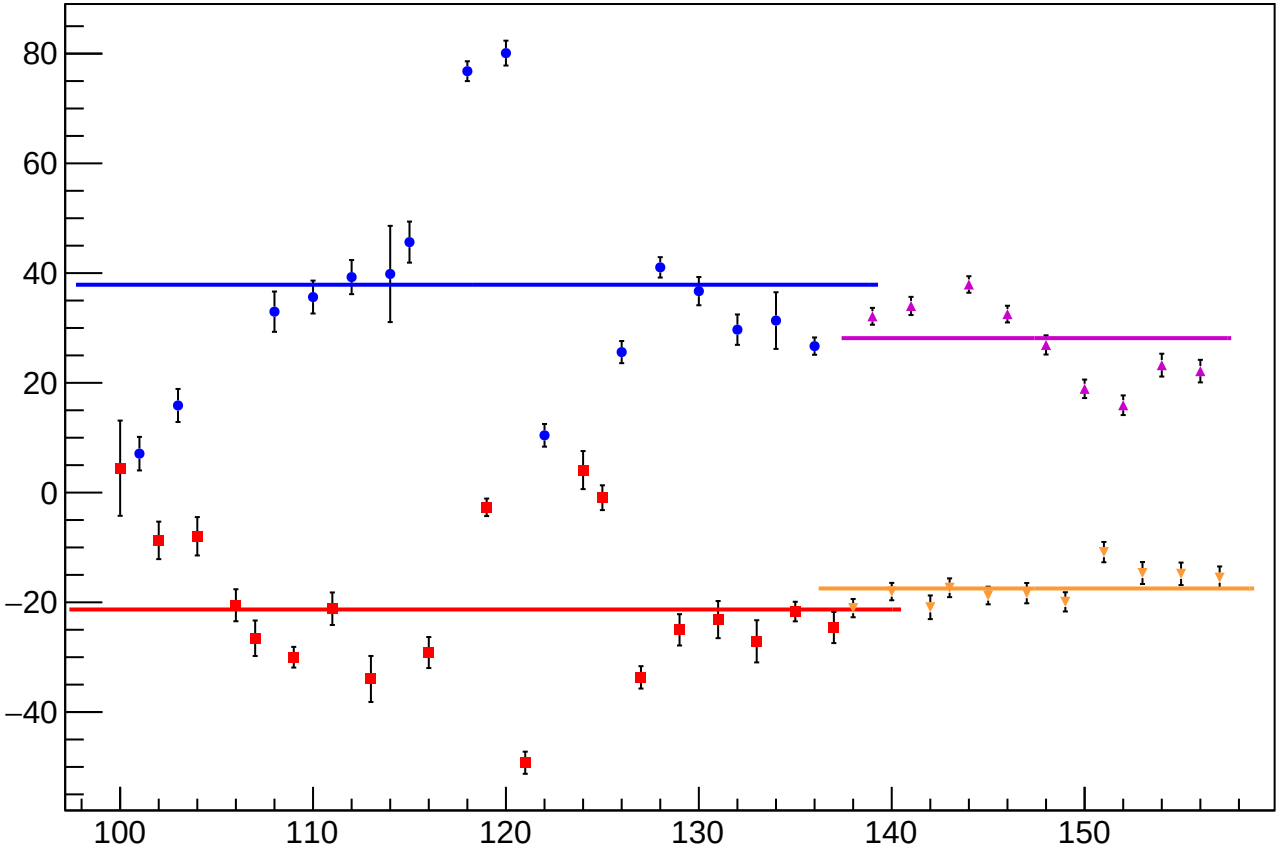
Left In: 1619.545+/-0.414 χ^2/NDF:326591.8/8

+ sign 1712.689+/-0.306 χ^2/NDF: 597138.0/26

All: 1715.021+/-0.219 χ^2/NDF: 1129683.1/54

- sign 1717.450+/-0.313 χ^2/NDF: 532426.9/27

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.476+/-0.547 χ^2/NDF:27.5/10

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

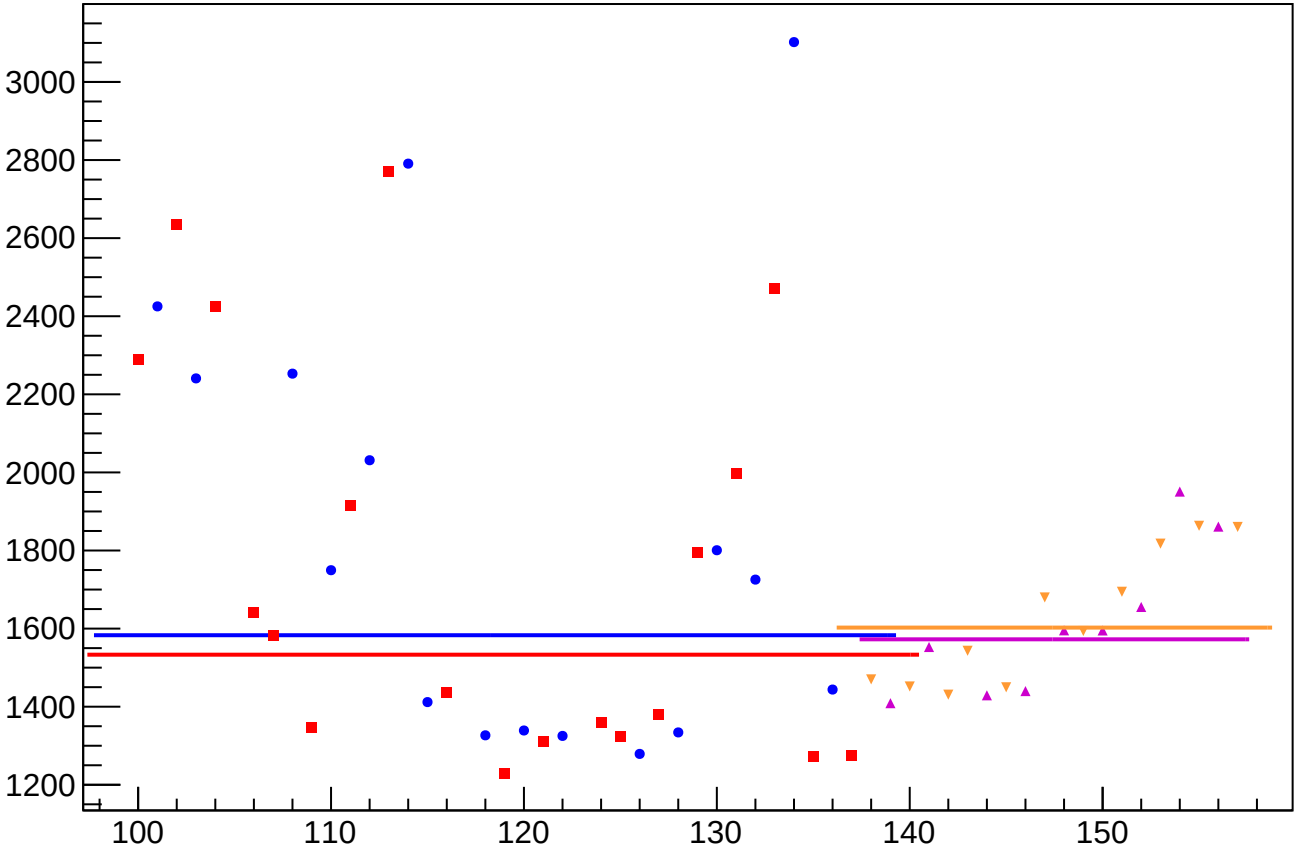
Left In: 28.149+/-0.566 χ^2/NDF:160.9/8

\+ sign 6.661+/-0.411 χ^2/NDF: 5739.0/26

All: 5.608+/-0.290 χ^2/NDF: 10134.5/54

\- sign 4.563+/-0.409 χ^2/NDF: 4382.4/27

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1602.589+/-0.387 χ^2/NDF:159814.2/10

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

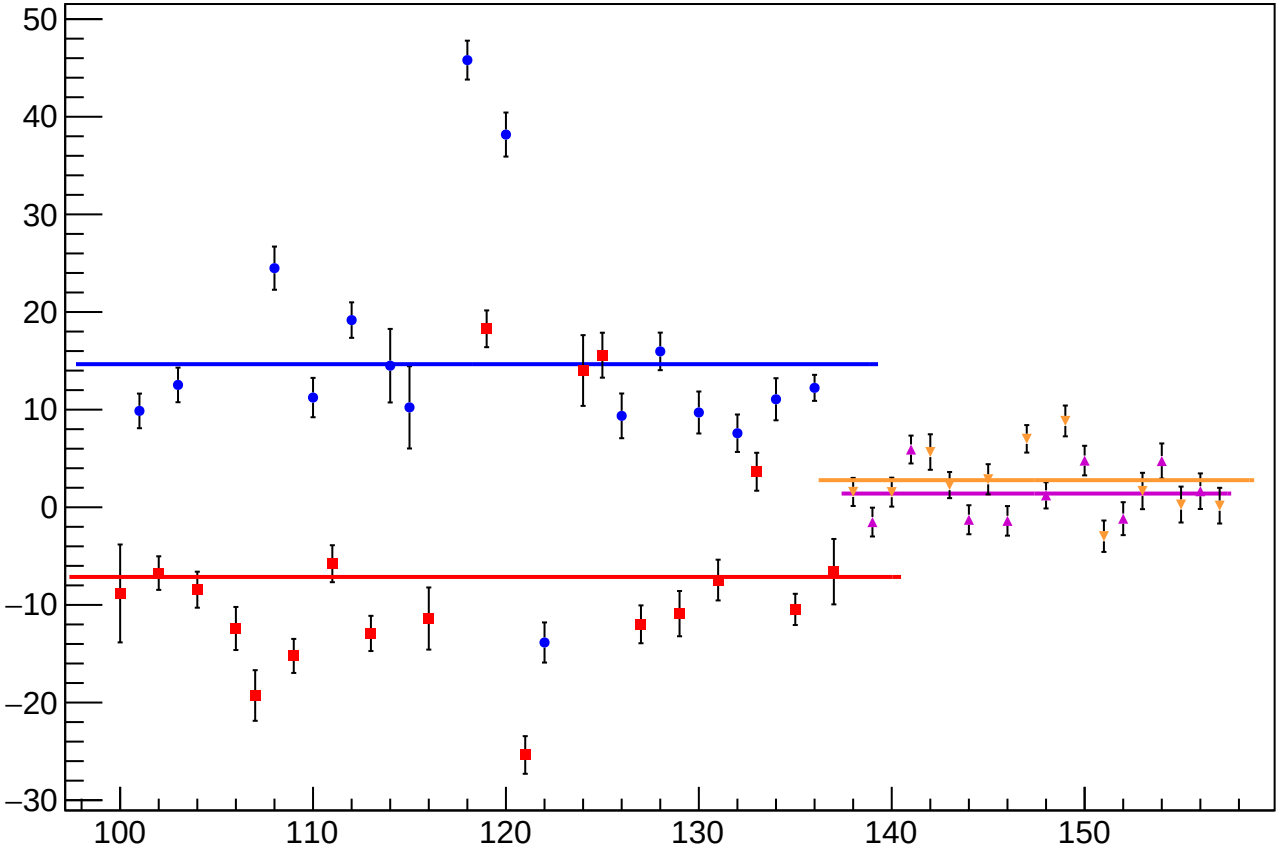
Left In: 1572.546+/-0.400 χ^2/NDF:166841.4/8

+ sign 1594.069+/-0.291 χ^2/NDF: 948598.4/26

All: 1573.850+/-0.205 χ^2/NDF: 2080474.1/54

- sign 1553.776+/-0.290 χ^2/NDF: 1122227.9/27

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.777+/-0.477 χ^2/NDF:44.8/10

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

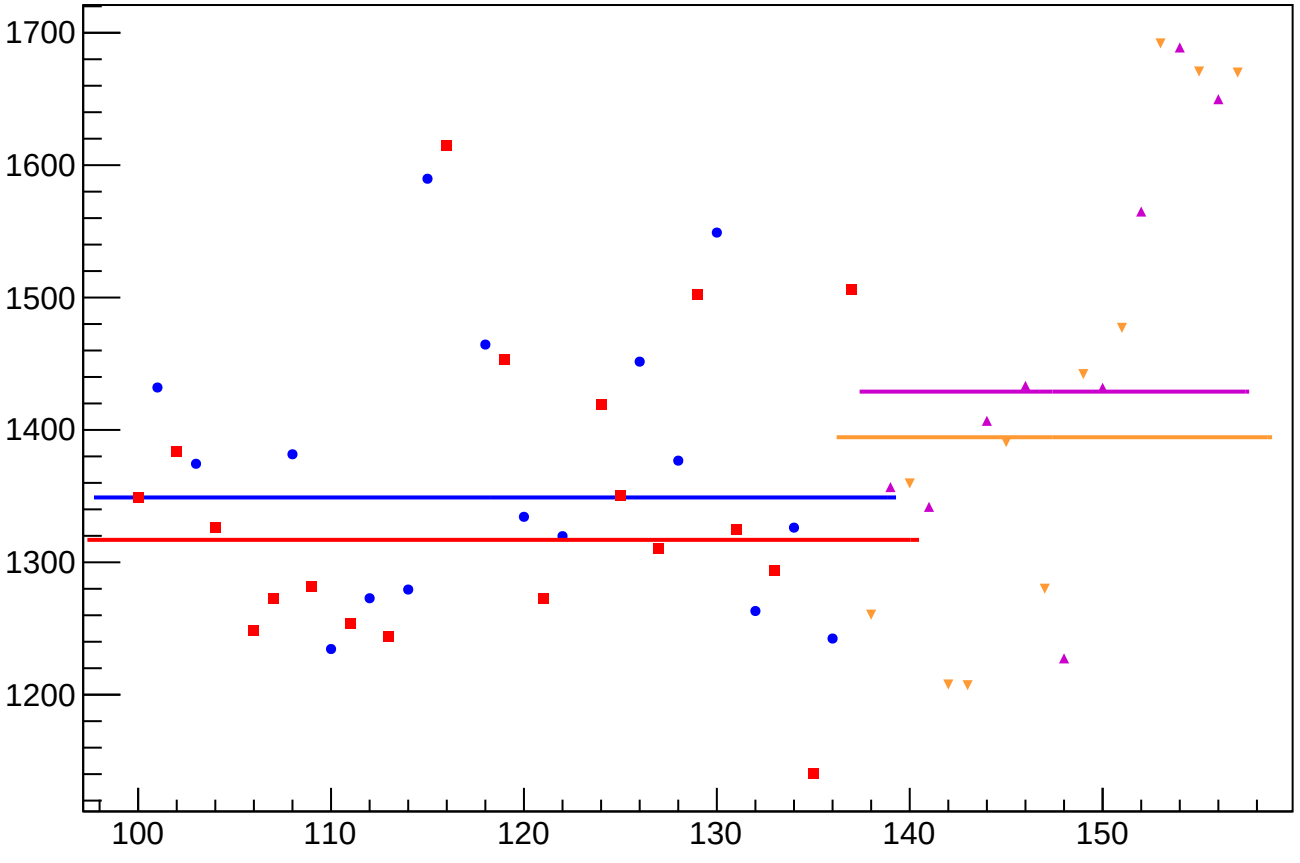
Left In: 1.407+/-0.514 χ^2/NDF:31.3/8

+ sign 8.386+/-0.347 χ^2/NDF: 952.4/26

All: 2.718+/-0.247 χ^2/NDF: 2182.8/54

- sign -3.123+/-0.352 χ^2/NDF: 687.5/27

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1394.483+/-0.337 χ^2/NDF:240709.7/10

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

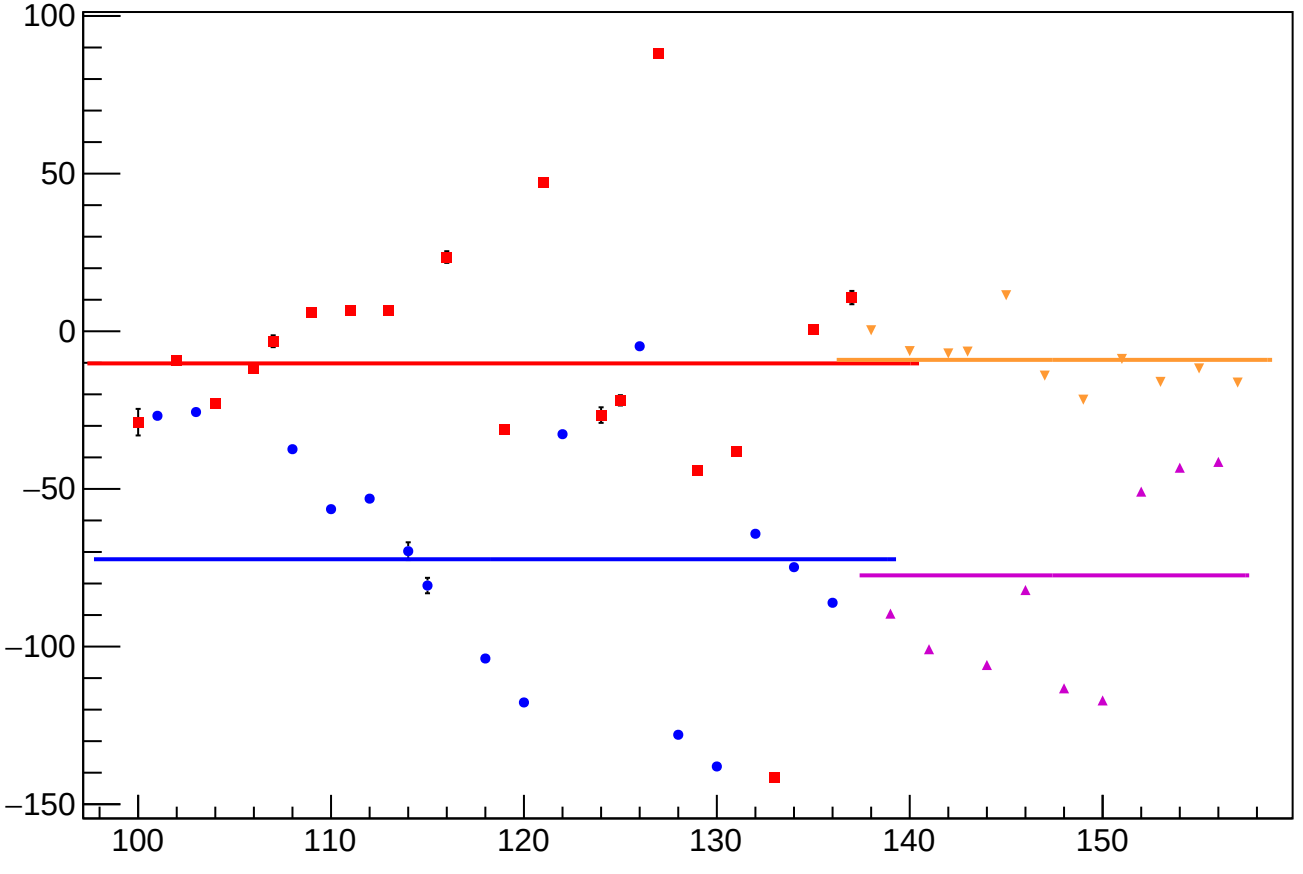
Left In: 1428.940+/-0.363 χ^2/NDF:142015.3/8

+ sign 1373.010+/-0.245 χ^2/NDF: 317674.8/26

All: 1371.304+/-0.175 χ^2/NDF: 597107.3/54

- sign 1369.547+/-0.249 χ^2/NDF: 279334.2/27

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -9.066+/-0.299 χ^2/NDF:767.7/10

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

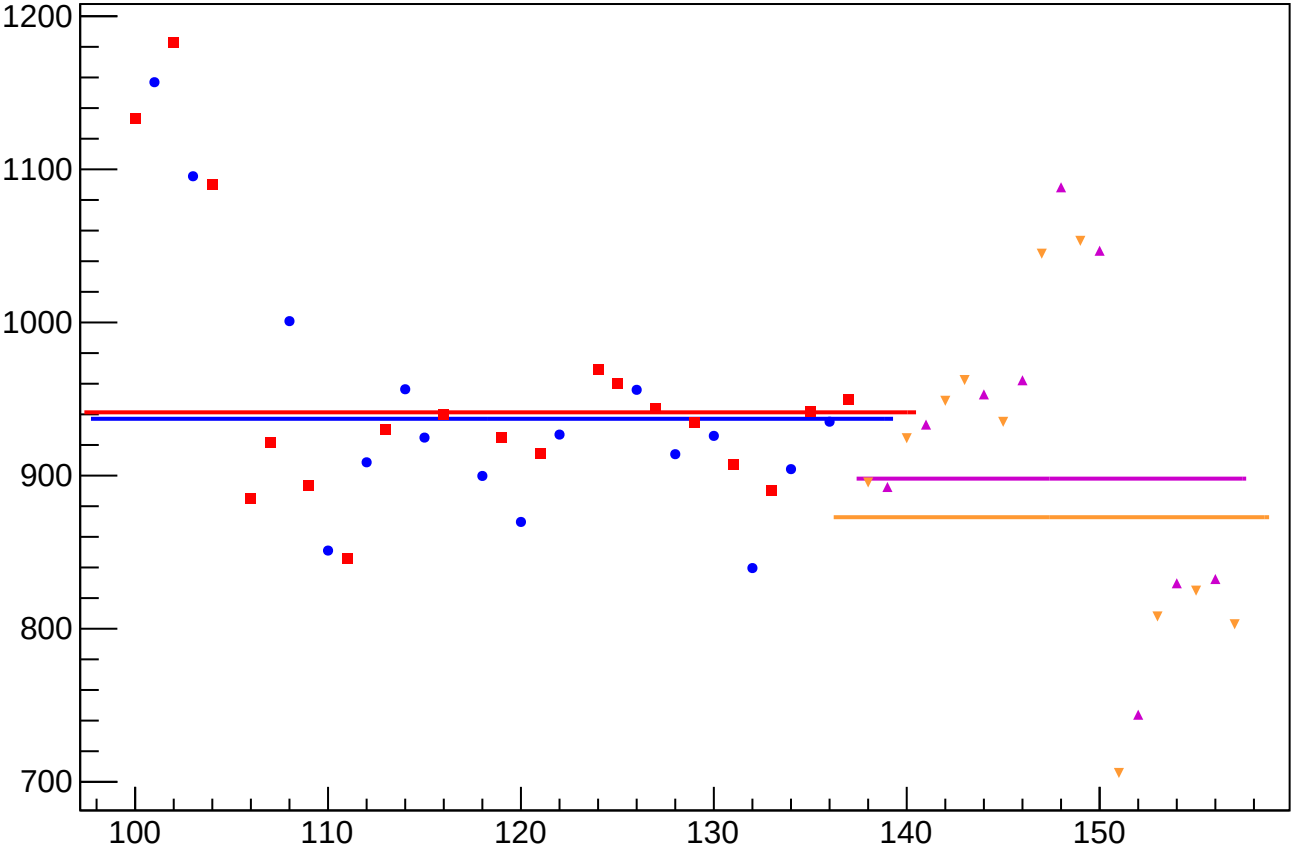
Left In: -77.417+/-0.323 χ^2/NDF:7843.0/8

+ sign -35.746+/-0.227 χ^2/NDF: 31852.5/26

All: -40.658+/-0.163 χ^2/NDF: 79970.3/54

- sign -45.954+/-0.236 χ^2/NDF: 47144.7/27

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 872.831+/-0.211 χ^2/NDF:250527.9/10

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

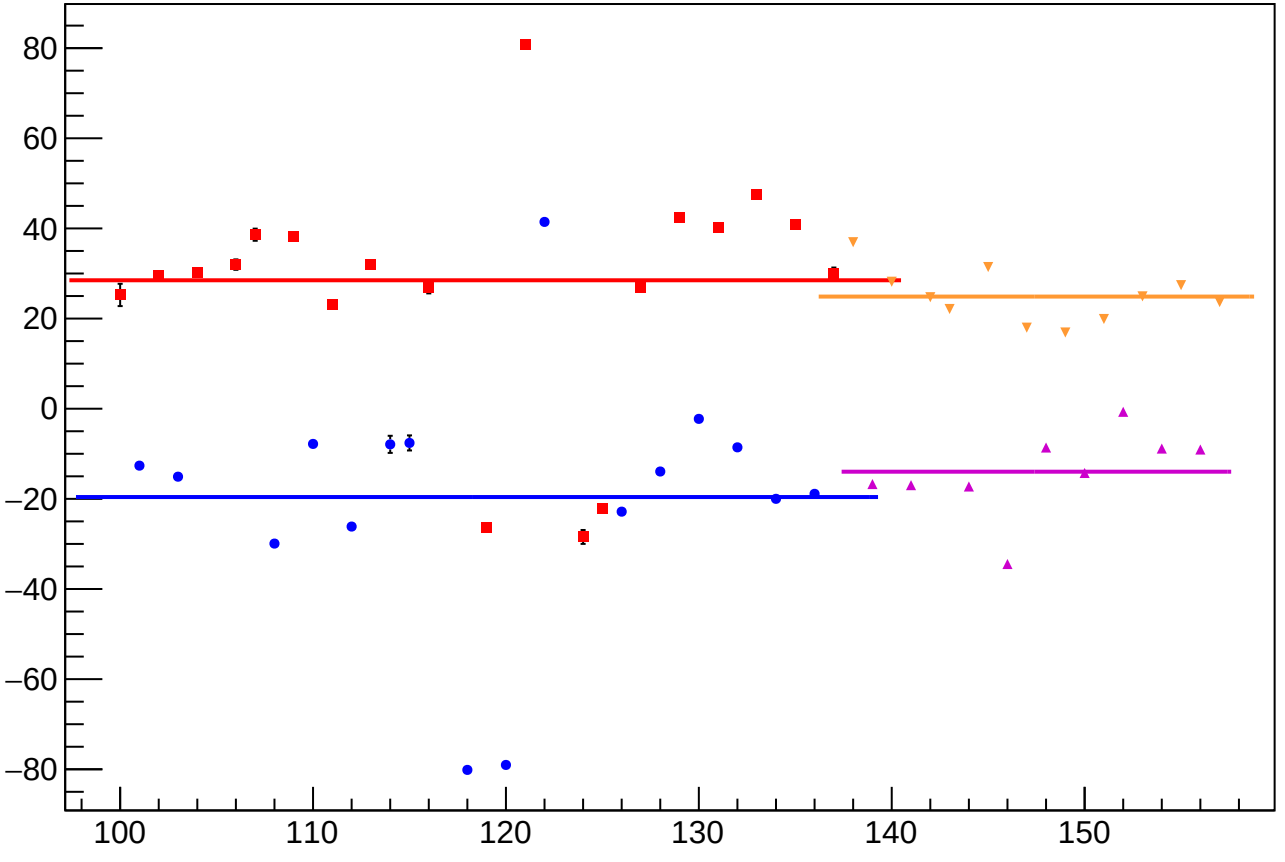
Left In: 898.020+/-0.229 χ^2/NDF:200079.6/8

\+ sign 899.945+/-0.161 χ^2/NDF: 394292.2/26

All: 908.770+/-0.116 χ^2/NDF: 718494.0/54

\- sign 918.286+/-0.167 χ^2/NDF: 317918.6/27

diff_bpm1i02Y_mean vs Slug



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.880+/-0.222 χ^2/NDF:674.5/10

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

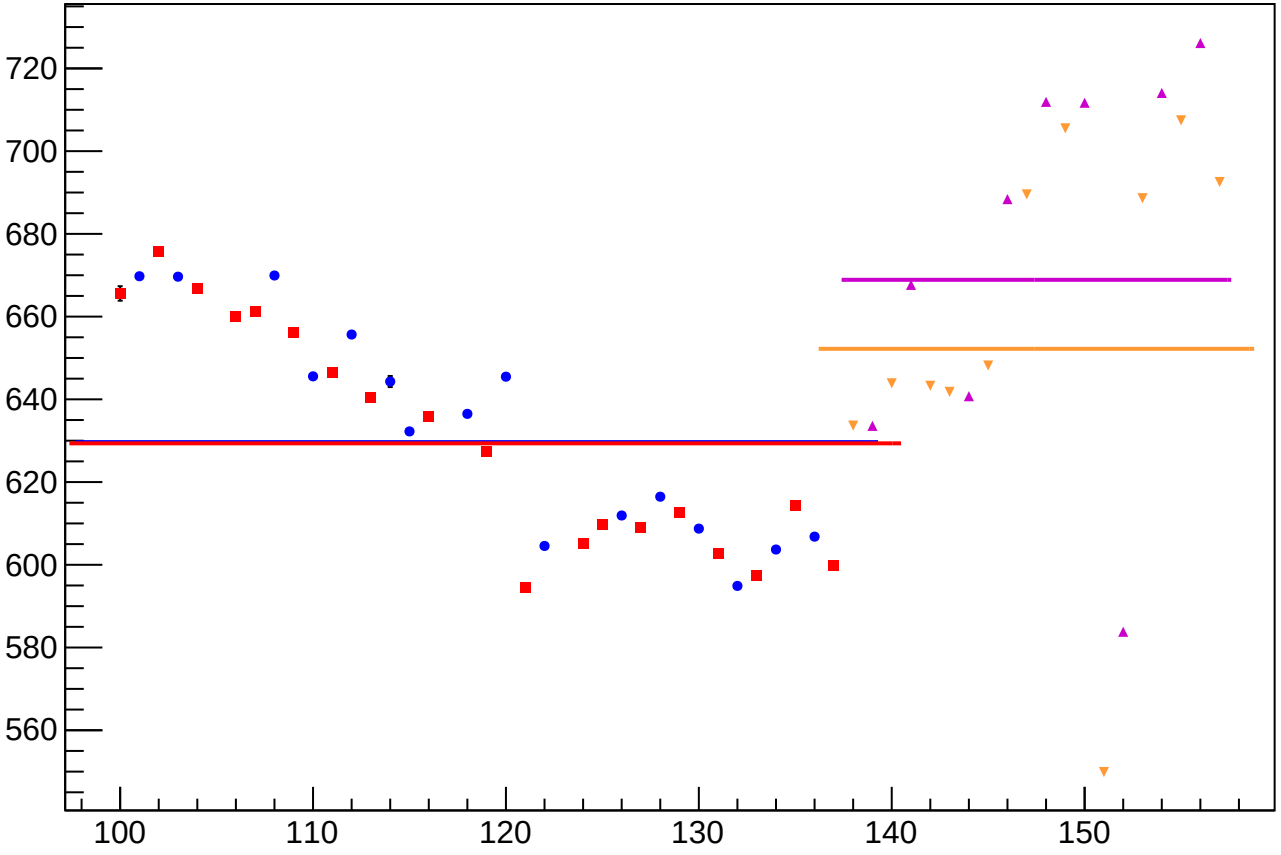
Left In: -13.975+/-0.240 χ^2/NDF:1425.2/8

+ sign 3.795+/-0.161 χ^2/NDF: 32836.1/26

All: 5.929+/-0.116 χ^2/NDF: 63941.7/54

- sign 8.191+/-0.166 χ^2/NDF: 30744.3/27

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 652.214+/-0.157 χ^2/NDF:95316.8/10

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

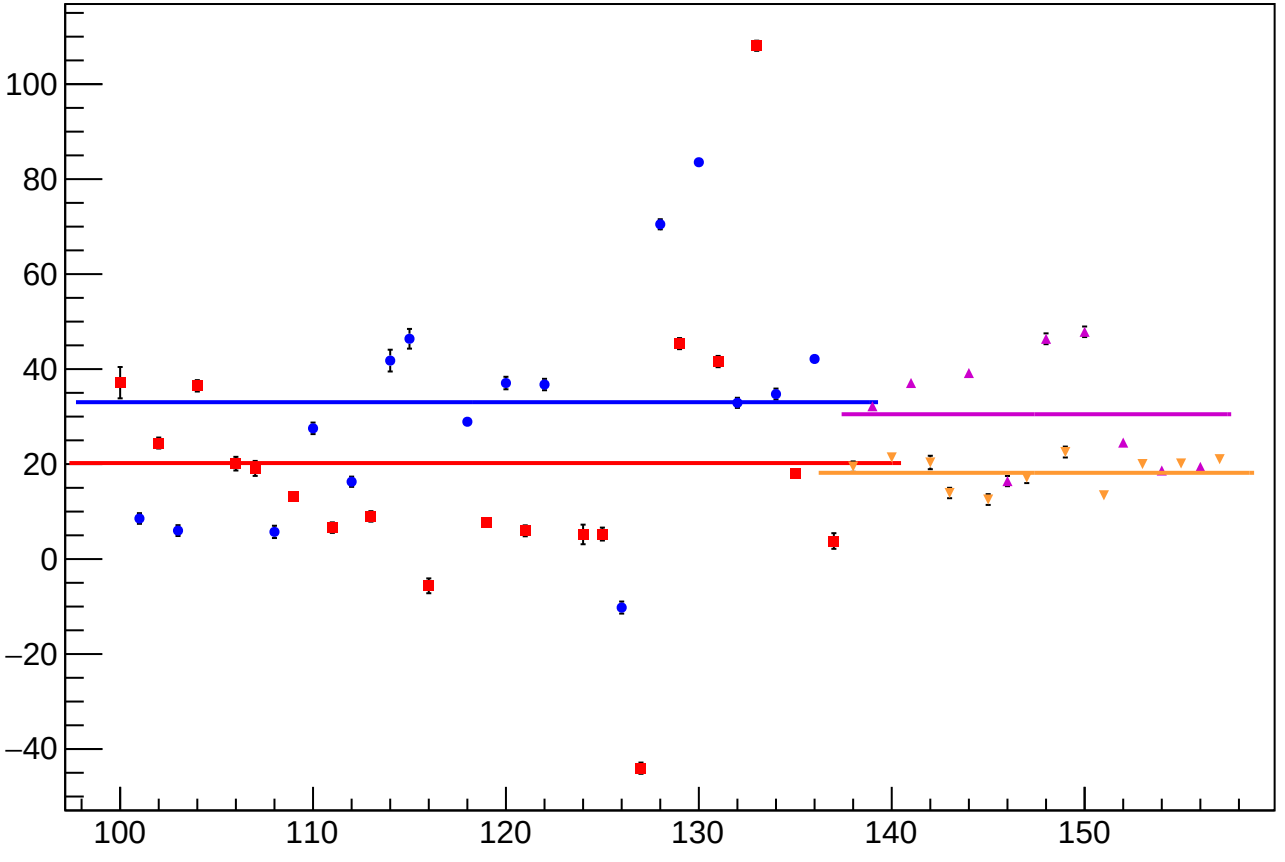
Left In: 668.894+/-0.170 χ^2/NDF:75946.9/8

+ sign 641.522+/-0.114 χ^2/NDF: 130399.8/26

All: 644.793+/-0.082 χ^2/NDF: 263164.1/54

- sign 648.261+/-0.117 χ^2/NDF: 131066.5/27

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 18.162+/-0.323 χ^2/NDF:112.7/10

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

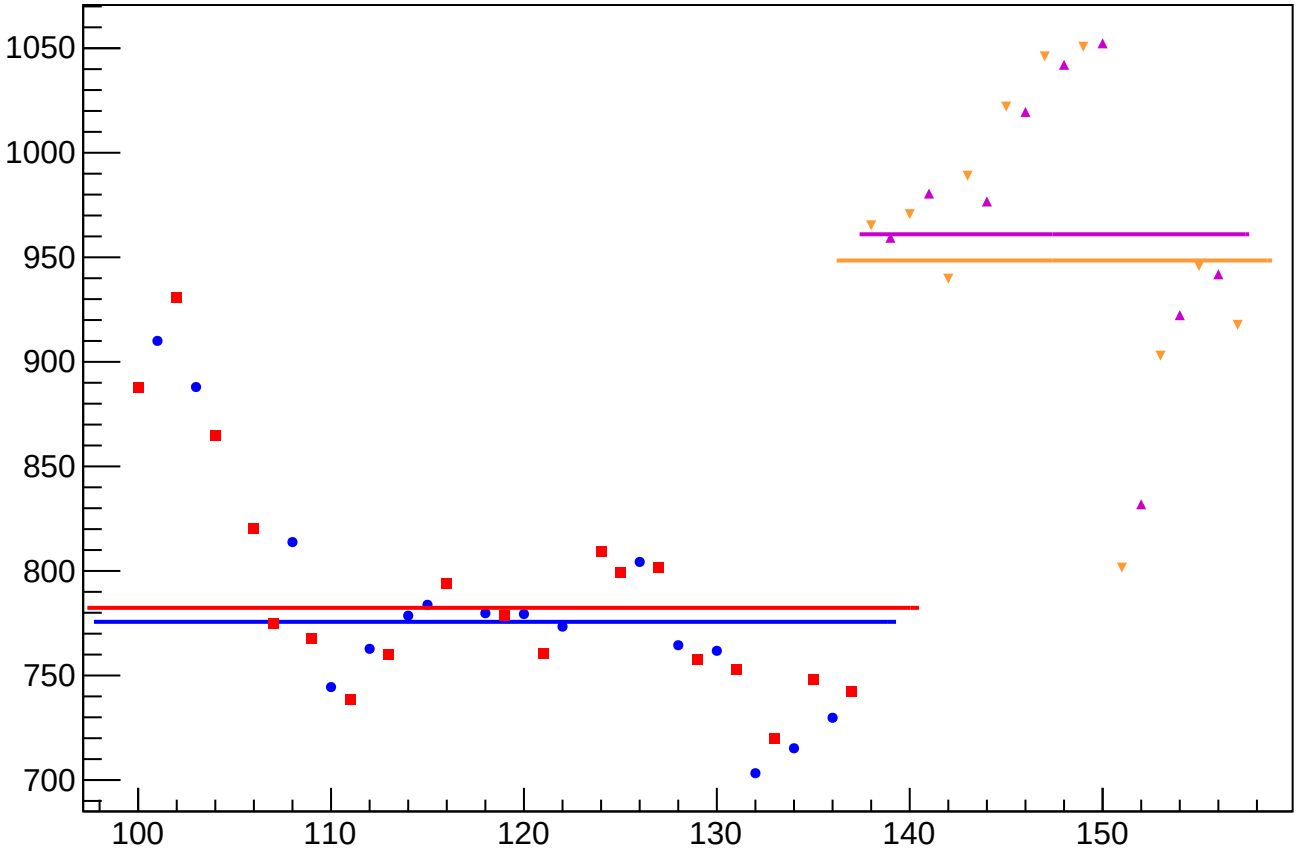
Left In: 30.496+/-0.344 χ^2/NDF:1026.1/8

\+ sign 26.422+/-0.215 χ^2/NDF: 7990.7/26

All: 25.438+/-0.154 χ^2/NDF: 21456.5/54

\- sign 24.409+/-0.220 χ^2/NDF: 13423.1/27

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 948.475+/-0.228 χ^2/NDF:105530.4/10

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

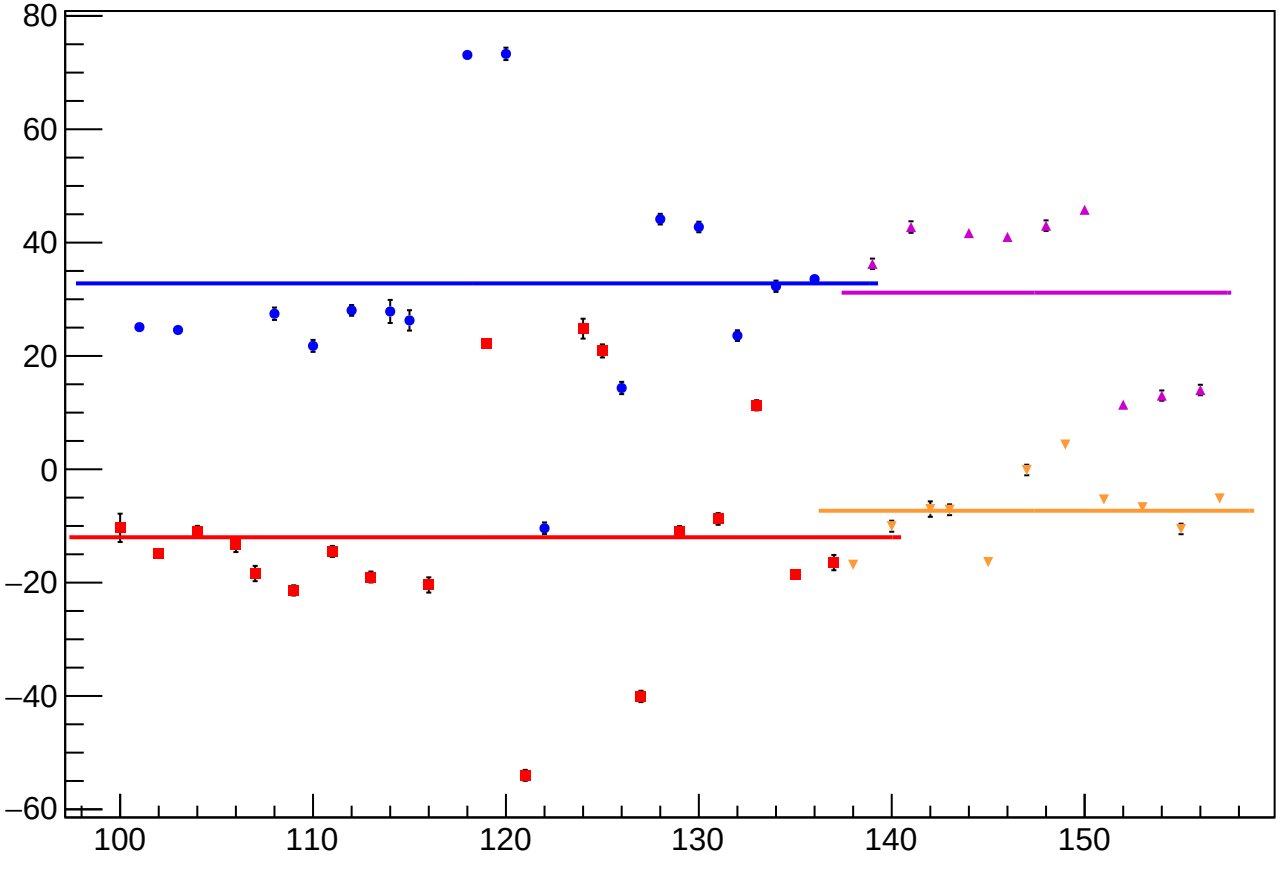
Left In: 961.023+/-0.244 χ^2/NDF:76002.8/8

+ sign 852.484+/-0.152 χ^2/NDF: 498284.7/26

All: 853.834+/-0.109 χ^2/NDF: 957517.2/54

- sign 855.245+/-0.156 χ^2/NDF: 459071.5/27

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.312+/-0.271 χ^2/NDF:491.7/10

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

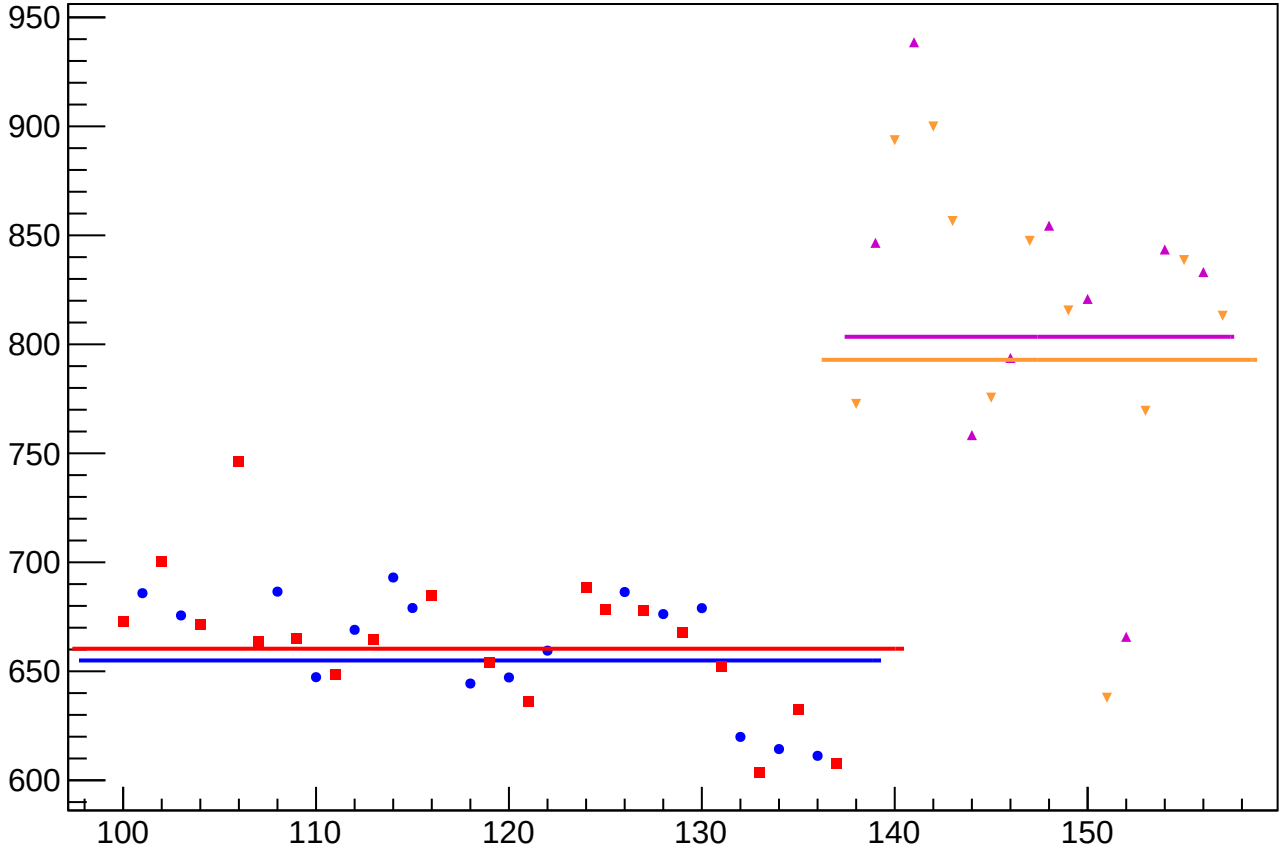
Left In: 31.168+/-0.290 χ^2/NDF:2412.8/8

+ sign 14.892+/-0.181 χ^2/NDF: 18868.0/26

All: 10.380+/-0.130 χ^2/NDF: 42212.2/54

- sign 5.656+/-0.185 χ^2/NDF: 22074.6/27

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 792.904+/-0.192 χ^2/NDF:159787.1/10

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

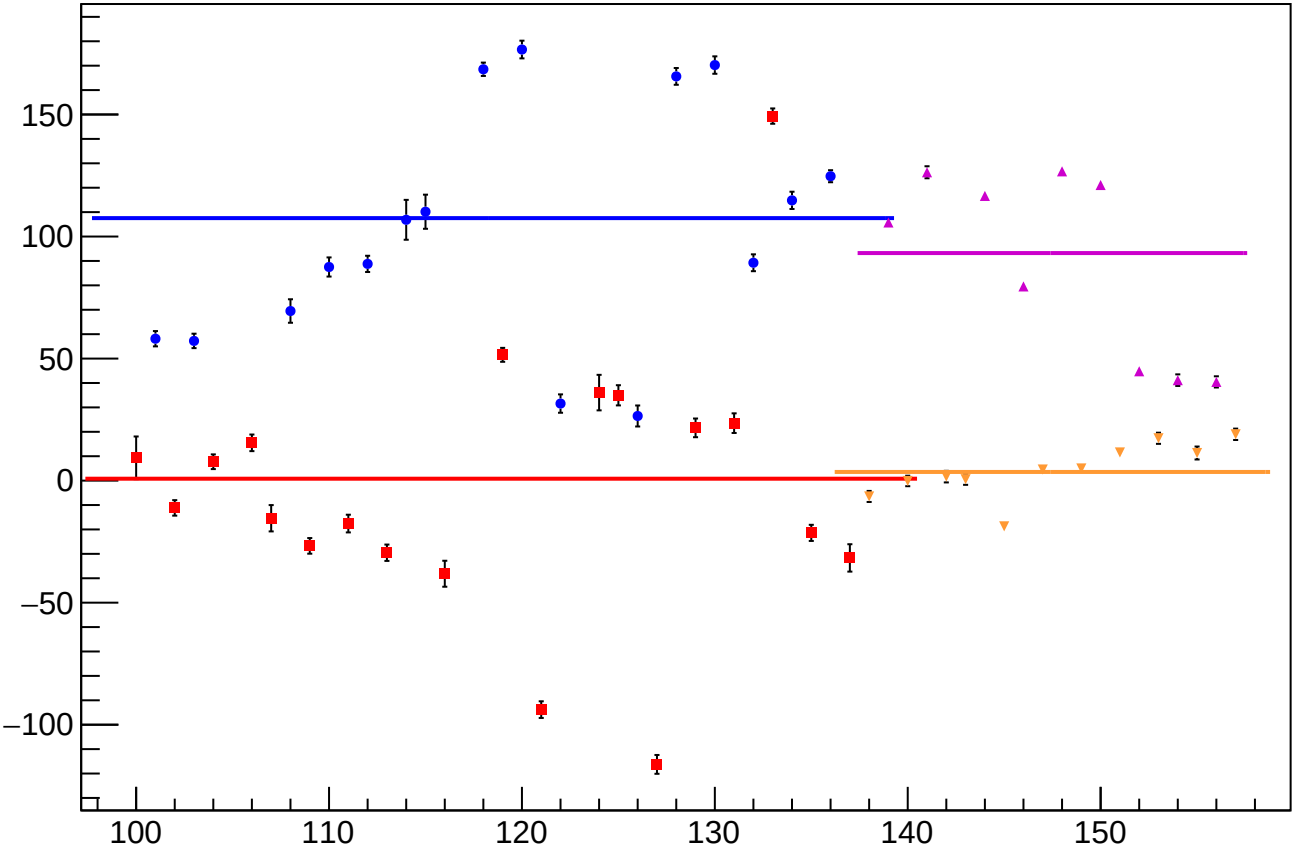
Left In: 803.471+/-0.205 χ^2/NDF:131488.5/8

+ sign 716.559+/-0.128 χ^2/NDF: 473041.7/26

All: 717.691+/-0.092 χ^2/NDF: 923216.4/54

- sign 718.878+/-0.131 χ^2/NDF: 450014.5/27

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 3.554+/-0.634 χ^2/NDF:259.7/10

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

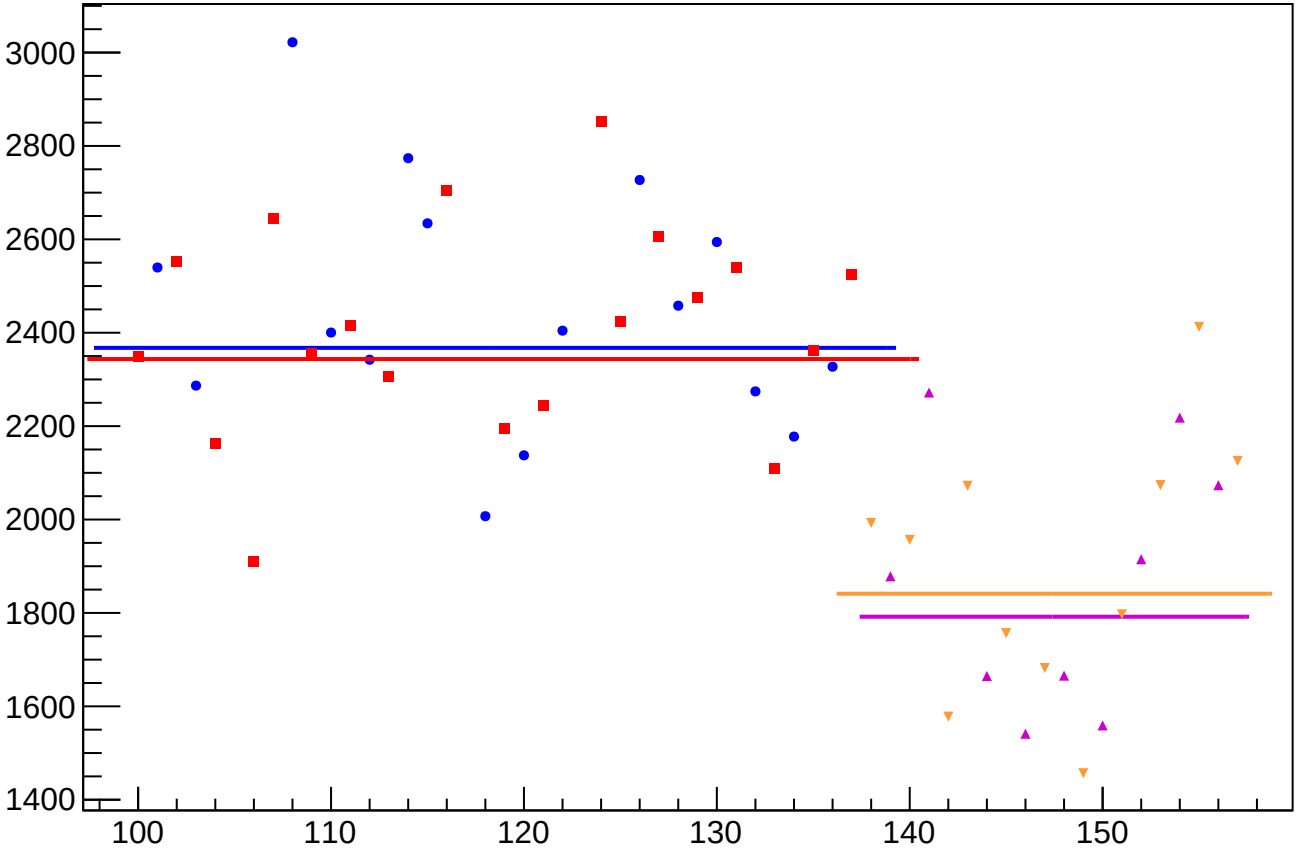
Left In: 93.229+/-0.651 χ^2/NDF:2635.0/8

+ sign 38.811+/-0.515 χ^2/NDF: 12335.3/26

All: 49.118+/-0.366 χ^2/NDF: 27874.3/54

- sign 59.580+/-0.519 χ^2/NDF: 14733.3/27

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1841.168+/-0.448 χ^2/NDF:337515.0/10

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

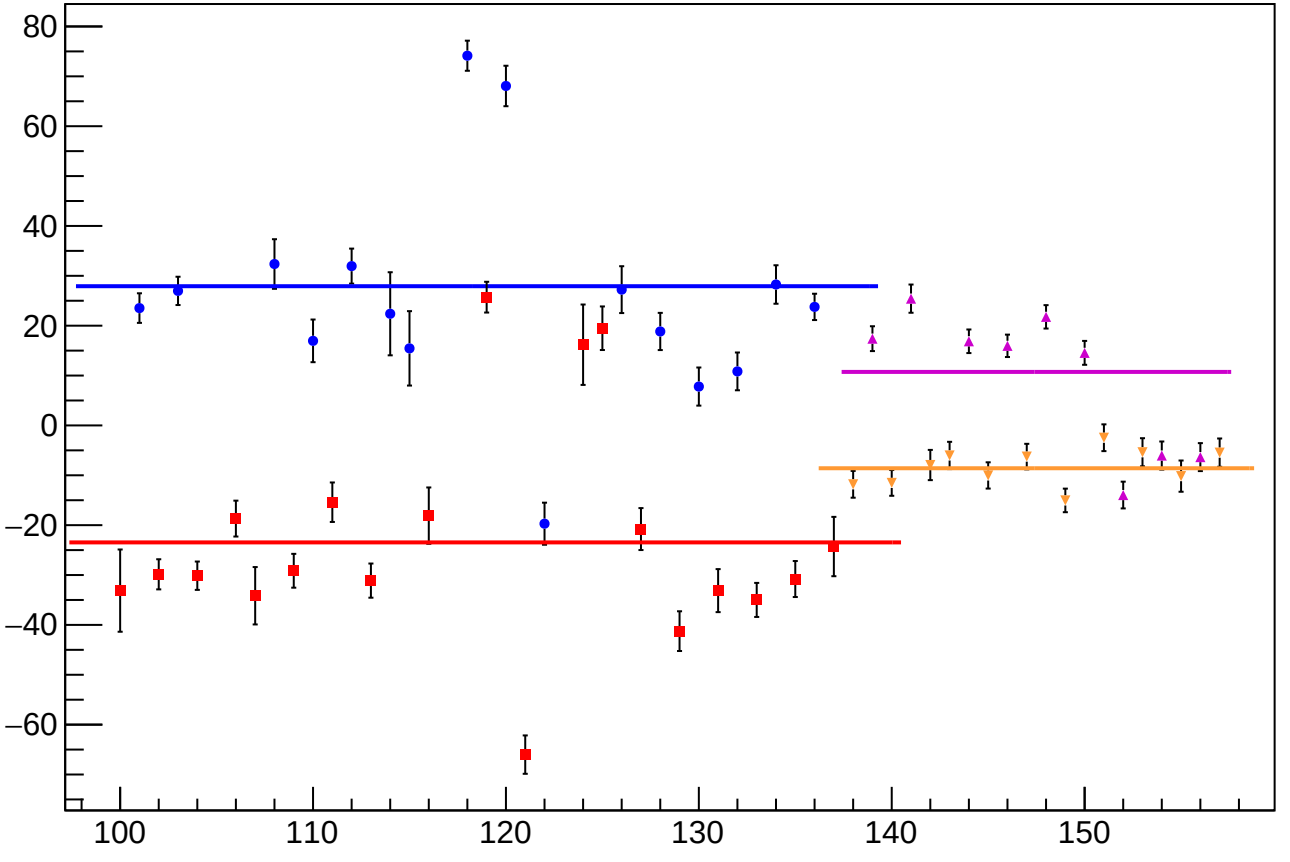
Left In: 1791.905+/-0.460 χ^2/NDF:288048.5/8

+ sign 2019.653+/-0.365 χ^2/NDF: 931730.8/26

All: 2006.307+/-0.259 χ^2/NDF: 1857418.2/54

- sign 1992.761+/-0.367 χ^2/NDF: 922986.4/27

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.588+/-0.817 χ^2/NDF:20.2/10

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

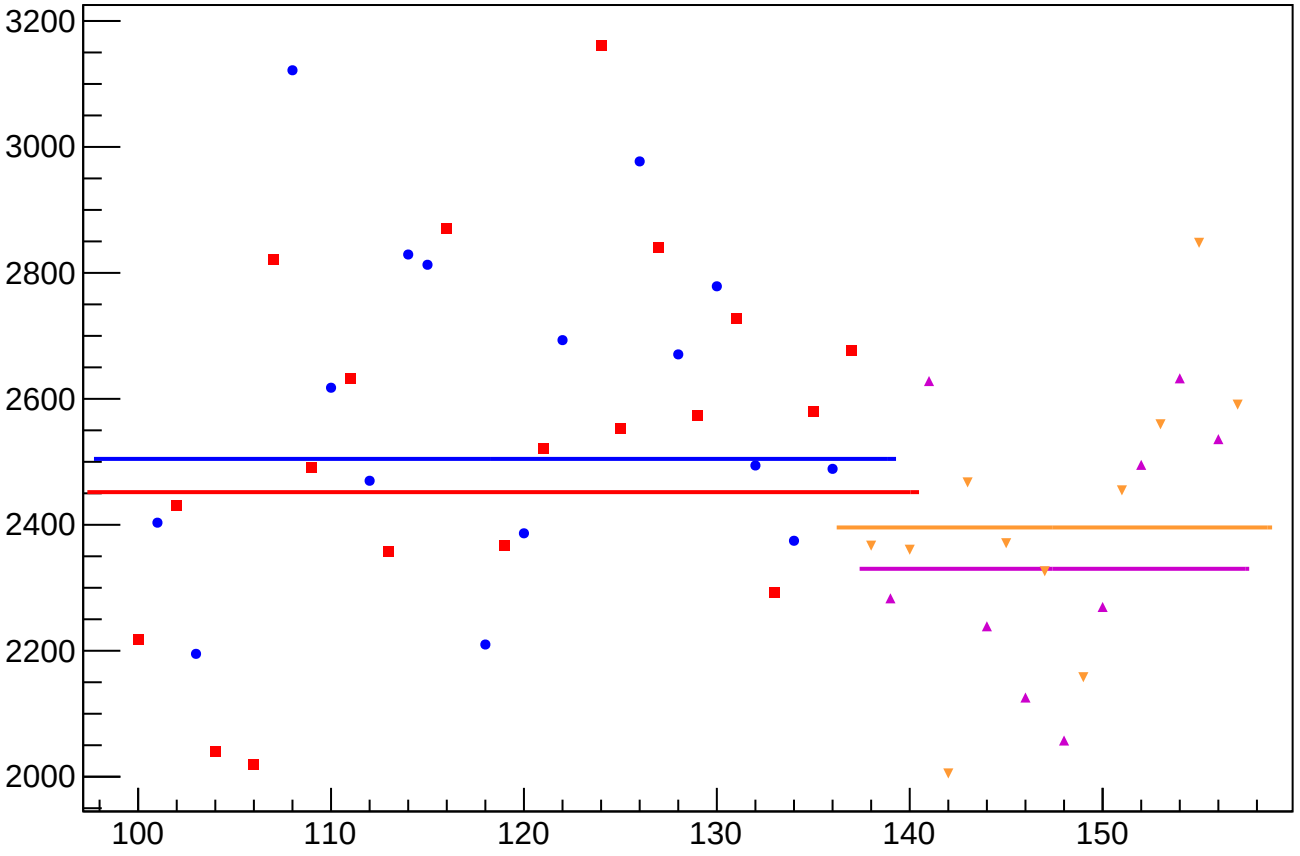
Left In: 10.731+/-0.842 χ^2/NDF:228.3/8

+ sign 7.188+/-0.616 χ^2/NDF: 1413.1/26

All: 1.005+/-0.435 χ^2/NDF: 3178.0/54

- sign -5.174+/-0.616 χ^2/NDF: 1563.3/27

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2395.791+/-0.578 χ^2/NDF:115884.9/10

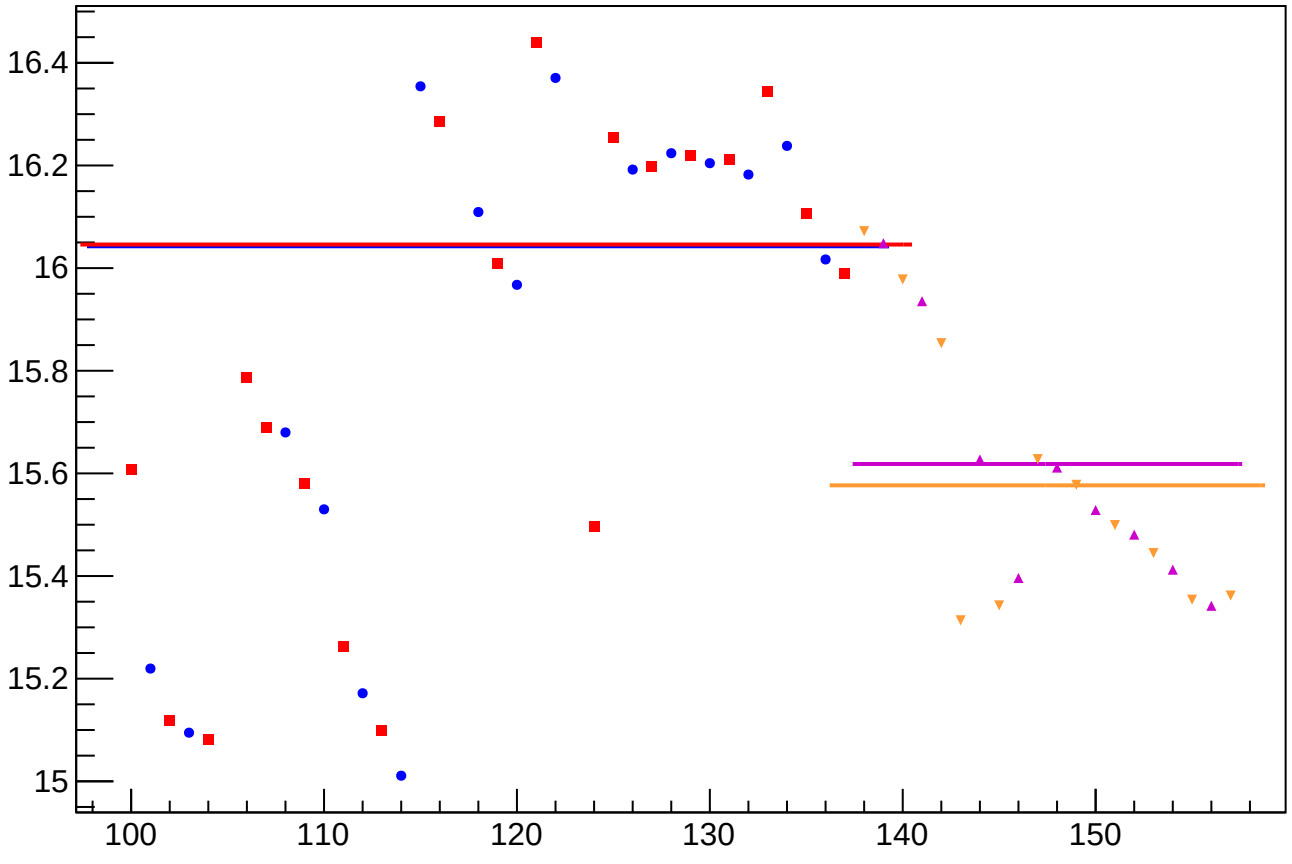
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2330.148+/-0.595 χ^2/NDF:112123.4/8

+ sign 2442.839+/-0.435 χ^2/NDF: 257821.1/26

All: 2414.801+/-0.308 χ^2/NDF: 550924.2/54

- sign 2386.780+/-0.435 χ^2/NDF: 284814.1/27



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.577+/-0.000 χ^2/NDF:5331183445.3/10

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

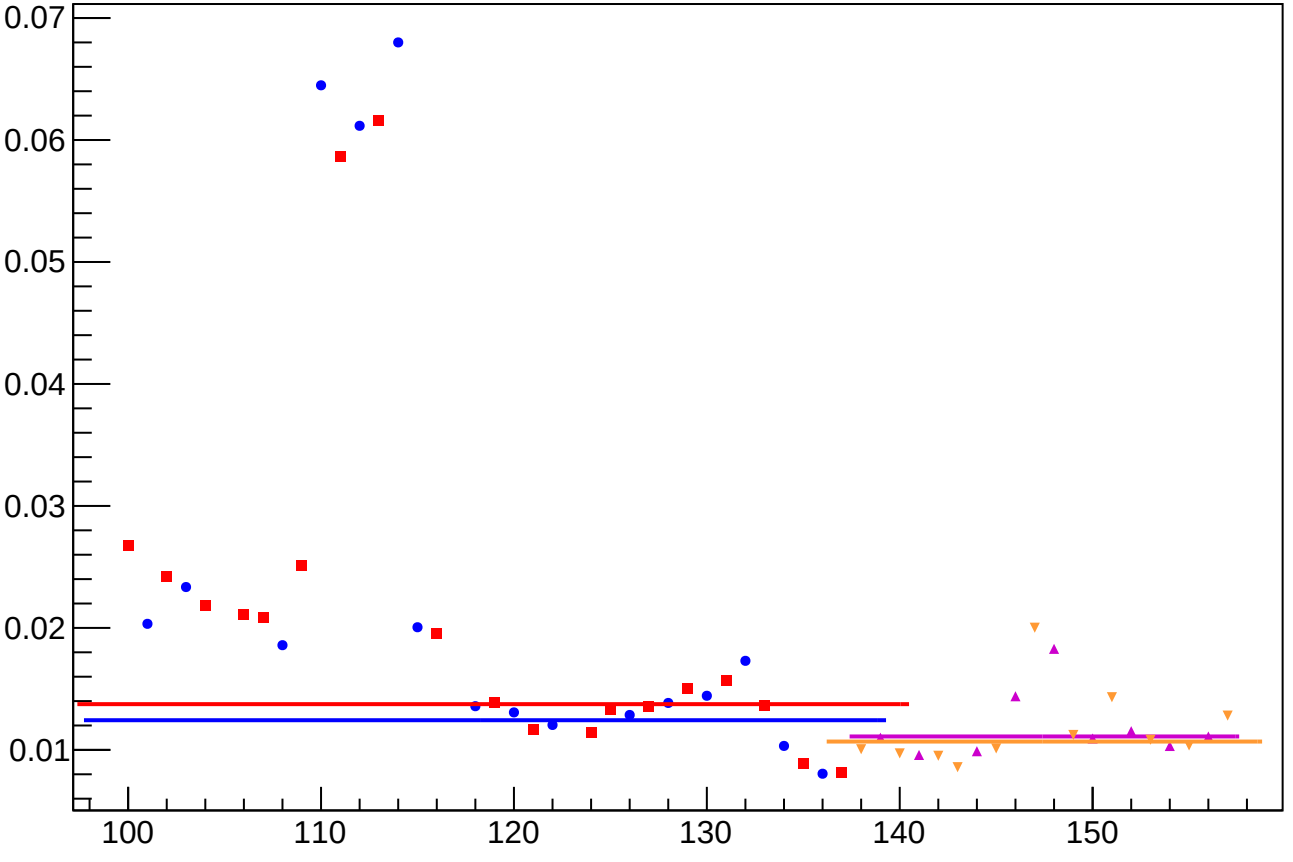
Left In: 15.618+/-0.000 χ^2/NDF:3344216812.5/8

+ sign 15.735+/-0.000 χ^2/NDF: 13275030854.9/26

All: 15.748+/-0.000 χ^2/NDF: 23845667656.3

- sign 15.763+/-0.000 χ^2/NDF: 10531867987.0/27

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:626812.3/10

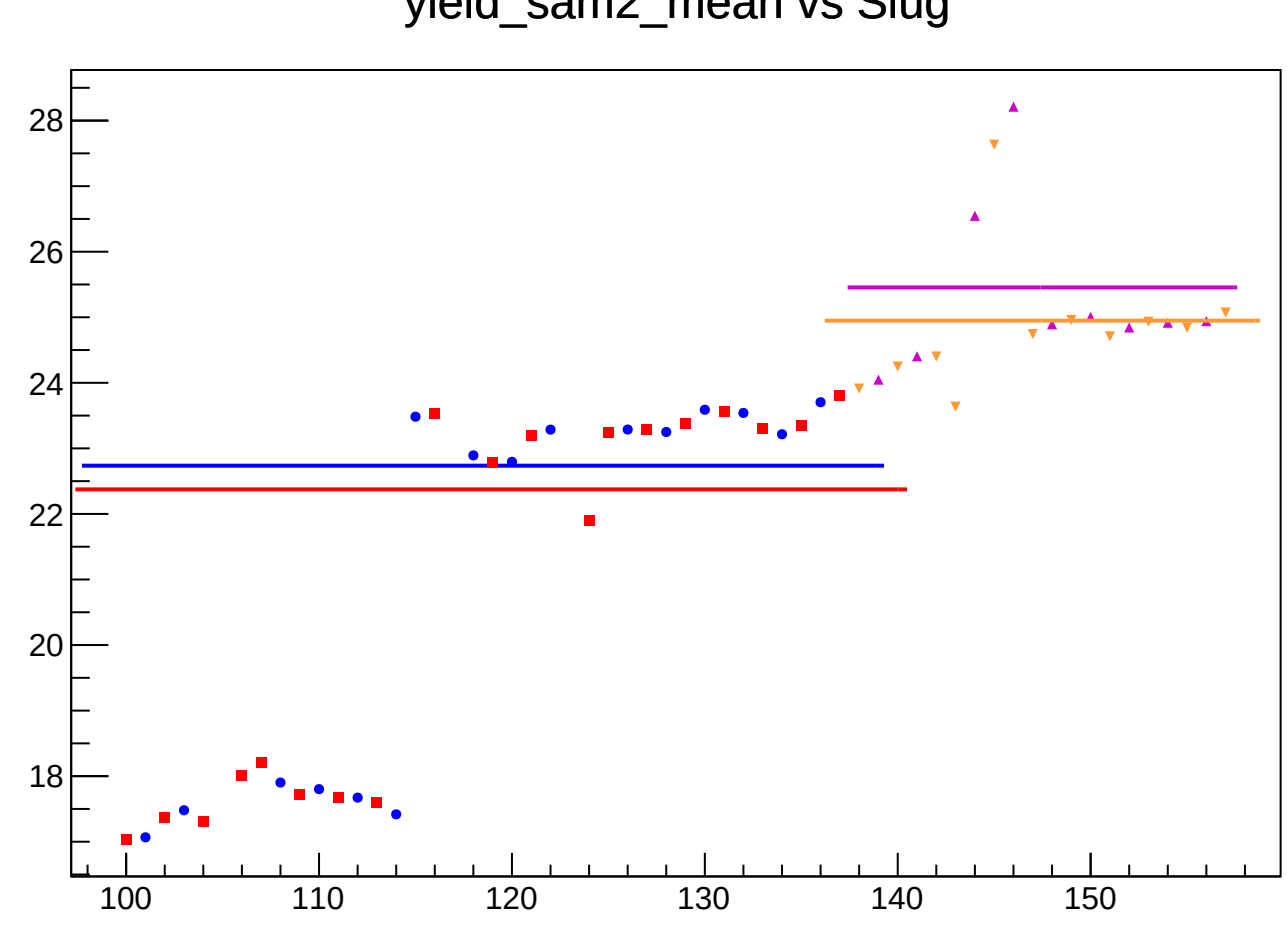
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408078.3/8

+ sign 0.011+/-0.000 χ^2/NDF: 3087515.3/26

All: 0.012+/-0.000 χ^2/NDF: 6055376.0/54

- sign 0.012+/-0.000 χ^2/NDF: 2917767.2/27



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.948+/-0.000 χ^2/NDF:763839501.3/10

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

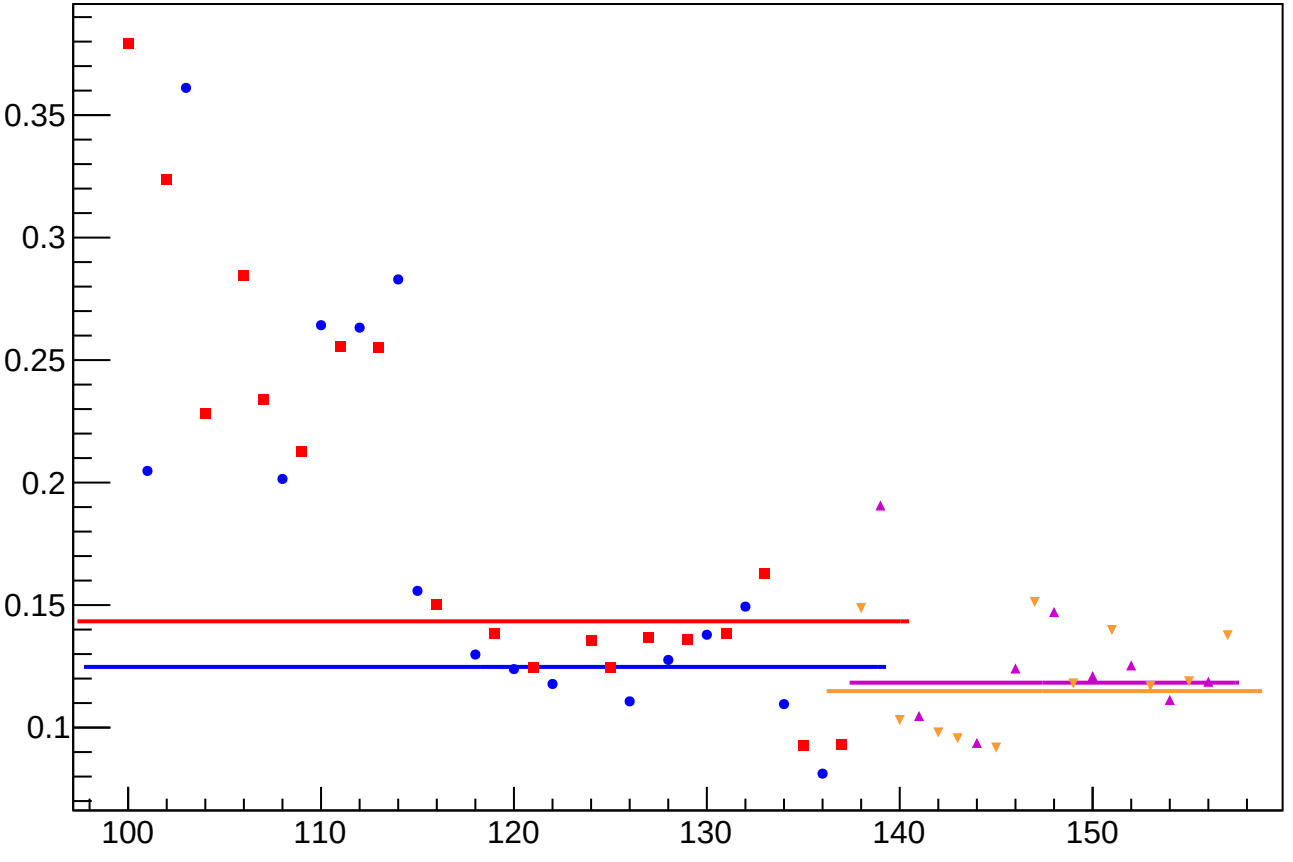
Left In: 25.455+/-0.000 χ^2/NDF:674202768.7/8

+ sign 24.094+/-0.000 χ^2/NDF: 3016507224.3/26

All: 24.193+/-0.000 χ^2/NDF: 6592653801.0/5

- sign 24.311+/-0.000 χ^2/NDF: 3556953836.9/27

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:423934.0/10

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

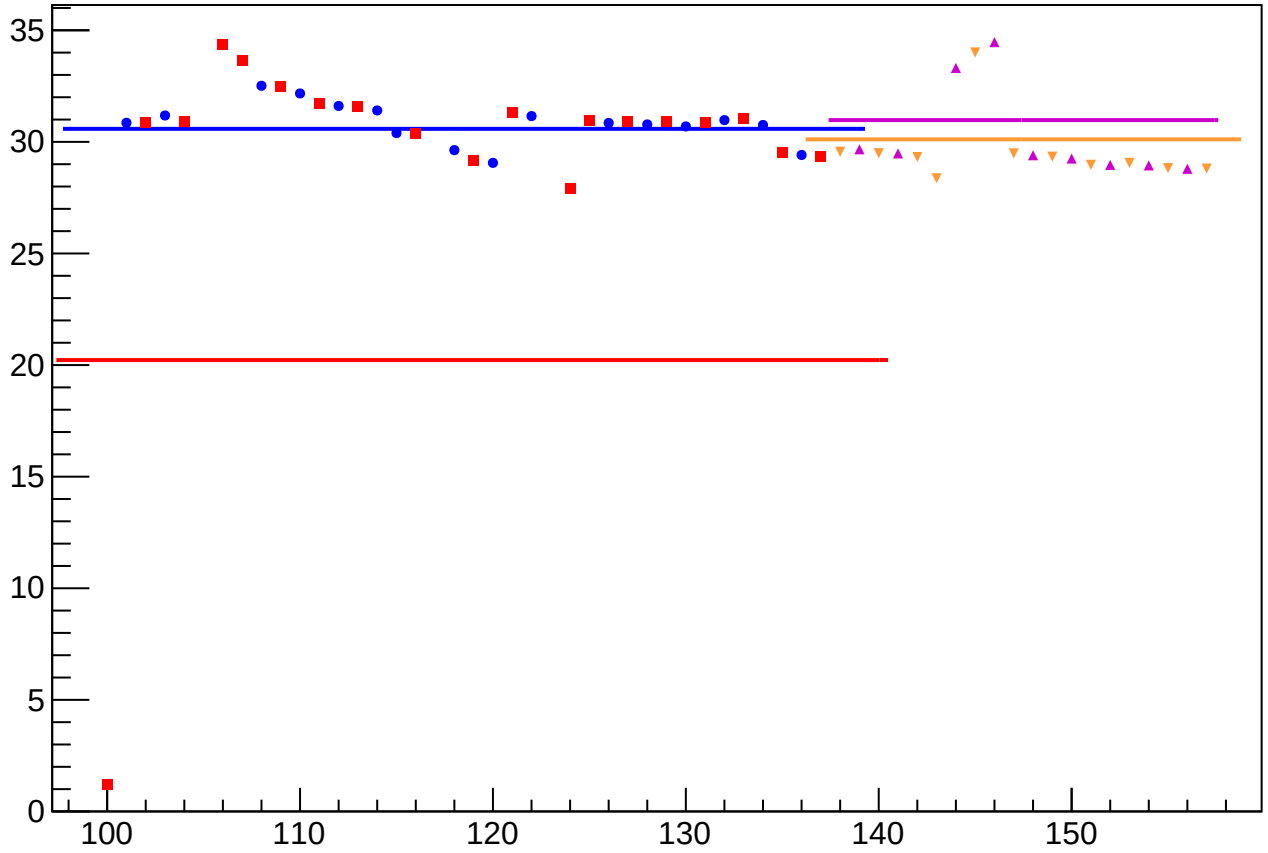
Left In: 0.118+/-0.000 χ^2/NDF:441616.9/8

+ sign 0.119+/-0.000 χ^2/NDF: 2214784.7/26

All: 0.123+/-0.000 χ^2/NDF: 4511691.9/54

- sign 0.128+/-0.000 χ^2/NDF: 2231997.9/27

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.114+/-0.000 χ^2/NDF:5514788538.3/10

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

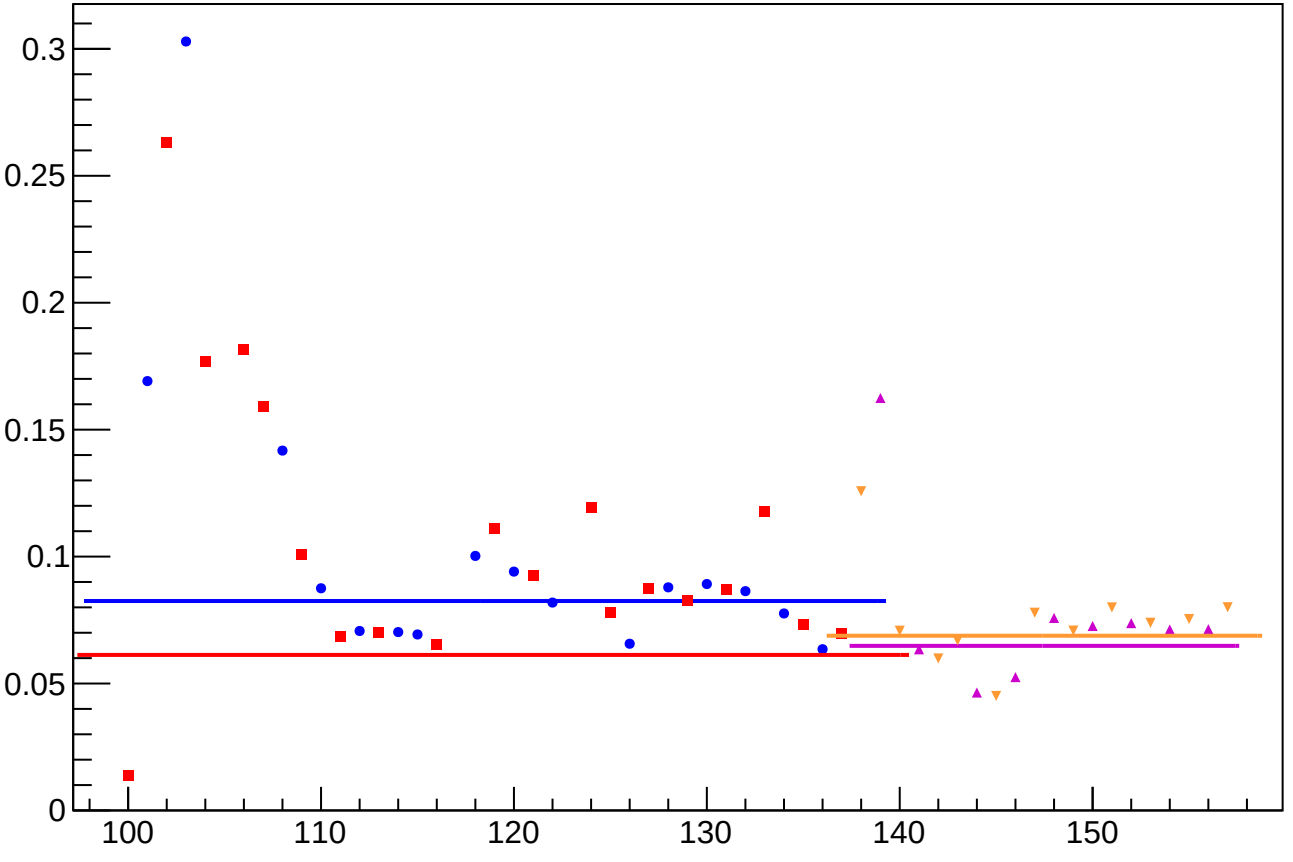
Left In: 30.976+/-0.000 χ^2/NDF:7253679933.8/8

+ sign 30.286+/-0.000 χ^2/NDF: 6275685238.1/26

All: 28.083+/-0.000 χ^2/NDF: 323533272977.

- sign 26.171+/-0.000 χ^2/NDF: 298099031854.7/27

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:685381.2/10

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

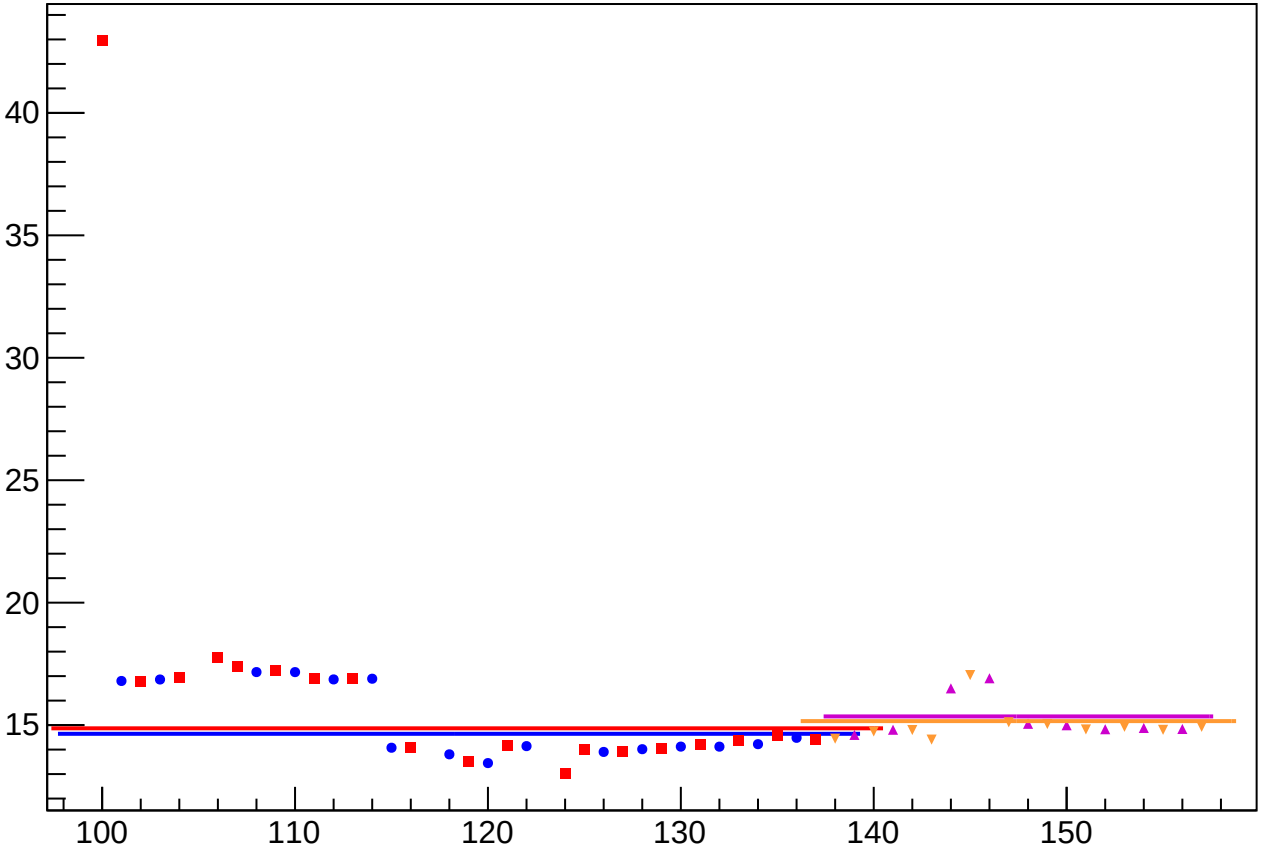
Left In: 0.065+/-0.000 χ^2/NDF:950359.4/8

+ sign 0.074+/-0.000 χ^2/NDF: 2130287.4/26

All: 0.068+/-0.000 χ^2/NDF: 7364137.0/54

- sign 0.063+/-0.000 χ^2/NDF: 4980039.2/27

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.163+/-0.000 χ^2/NDF:990785914.4/10

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

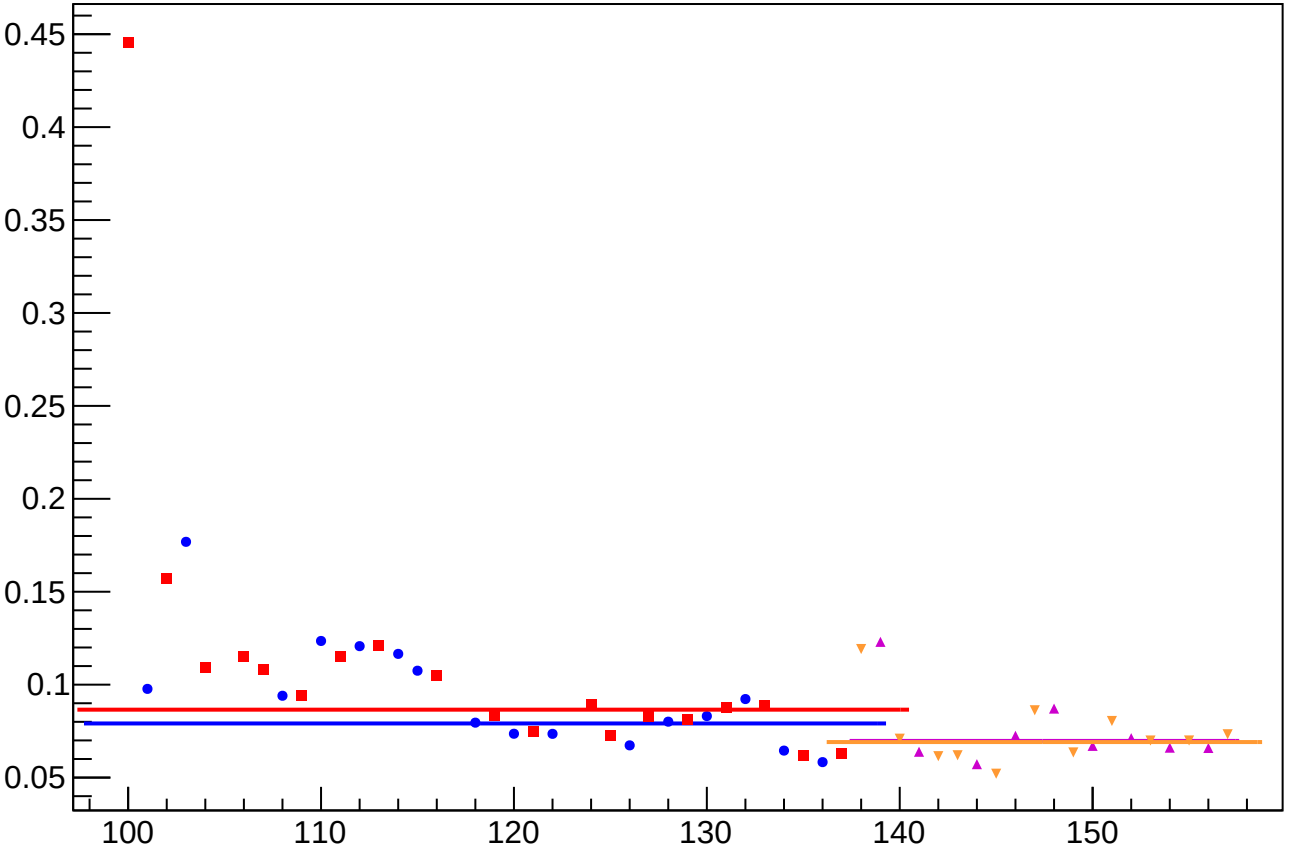
Left In: 15.354+/-0.000 χ^2/NDF:857280147.2/8

+ sign 14.960+/-0.000 χ^2/NDF: 2338352993.8/26

All: 15.059+/-0.000 χ^2/NDF: 5095017627.1/5

- sign 15.169+/-0.000 χ^2/NDF: 2707288606.4/27

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:514898.4/10

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

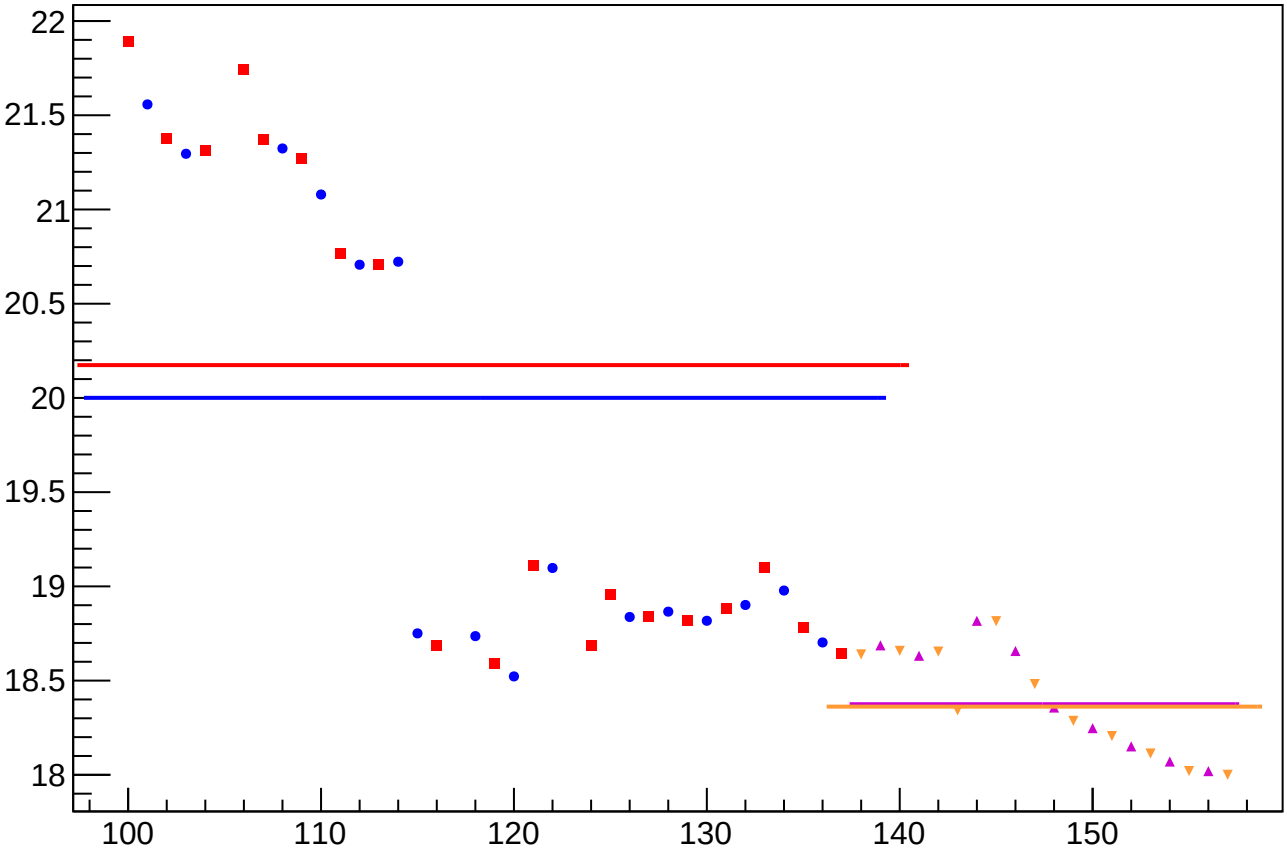
Left In: 0.070+/-0.000 χ^2/NDF:458927.9/8

+ sign 0.073+/-0.000 χ^2/NDF: 1547677.8/26

All: 0.074+/-0.000 χ^2/NDF: 3109138.1/54

- sign 0.076+/-0.000 χ^2/NDF: 1539373.8/27

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.362+/-0.000 χ^2/NDF:601632563.0/10

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

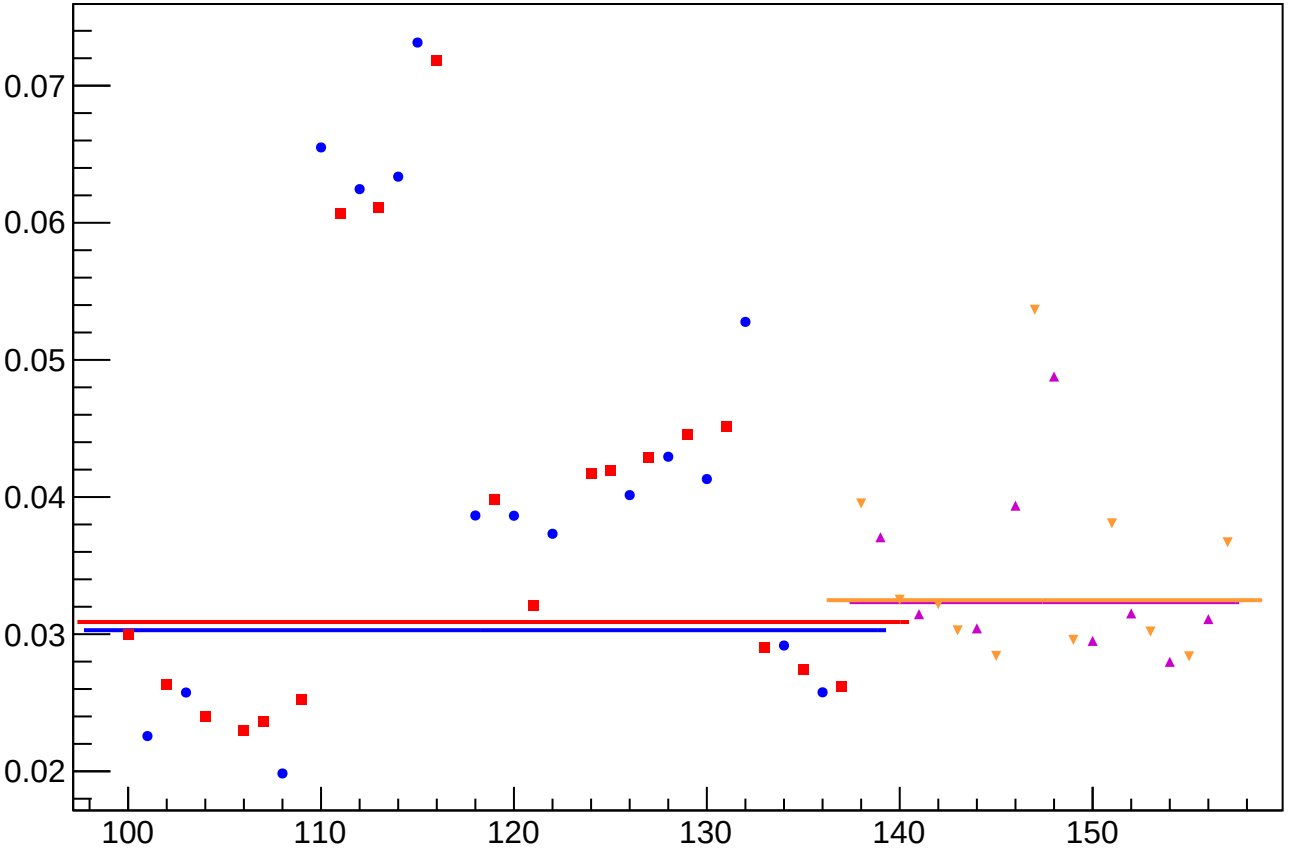
Left In: 18.375+/-0.000 χ^2/NDF:602668427.5/8

+ sign 19.116+/-0.000 χ^2/NDF: 20905324505.2/26

All: 19.177+/-0.000 χ^2/NDF: 42990565166.2

- sign 19.241+/-0.000 χ^2/NDF: 21976347883.6/27

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:448968.9/10

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

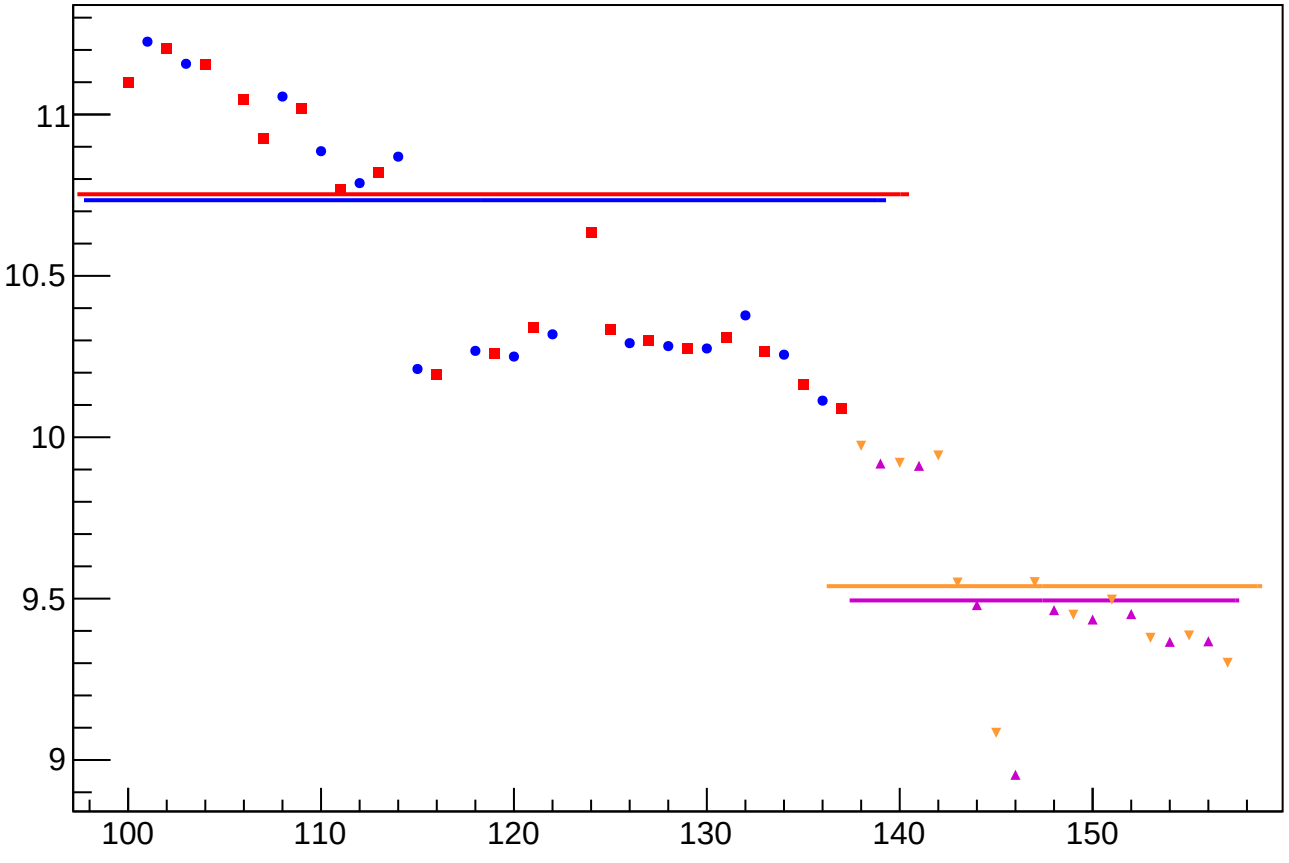
Left In: 0.032+/-0.000 χ^2/NDF:328039.2/8

+ sign 0.031+/-0.000 χ^2/NDF: 1929946.2/26

All: 0.032+/-0.000 χ^2/NDF: 3477315.8/54

- sign 0.032+/-0.000 χ^2/NDF: 1546985.1/27

yield_sam6_mean vs Slug



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.539+/-0.000 χ^2/NDF:1415333331.7/10

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

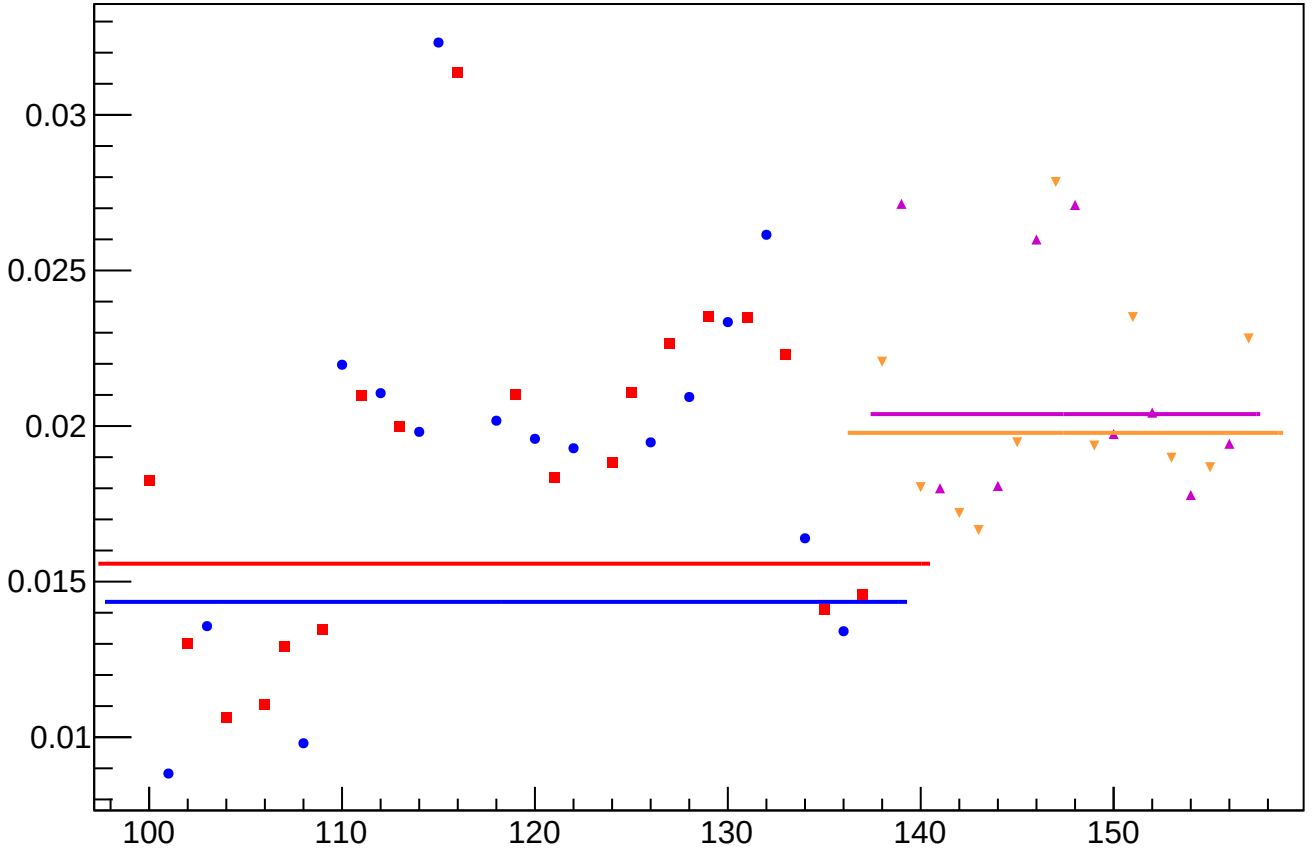
Left In: 9.494+/-0.000 χ^2/NDF:1068364183.2/8

+ sign 10.235+/-0.000 χ^2/NDF: 23777115457.6/26

All: 10.243+/-0.000 χ^2/NDF: 45312627464.9

- sign 10.251+/-0.000 χ^2/NDF: 21530133141.5/27

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:305880.6/10

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

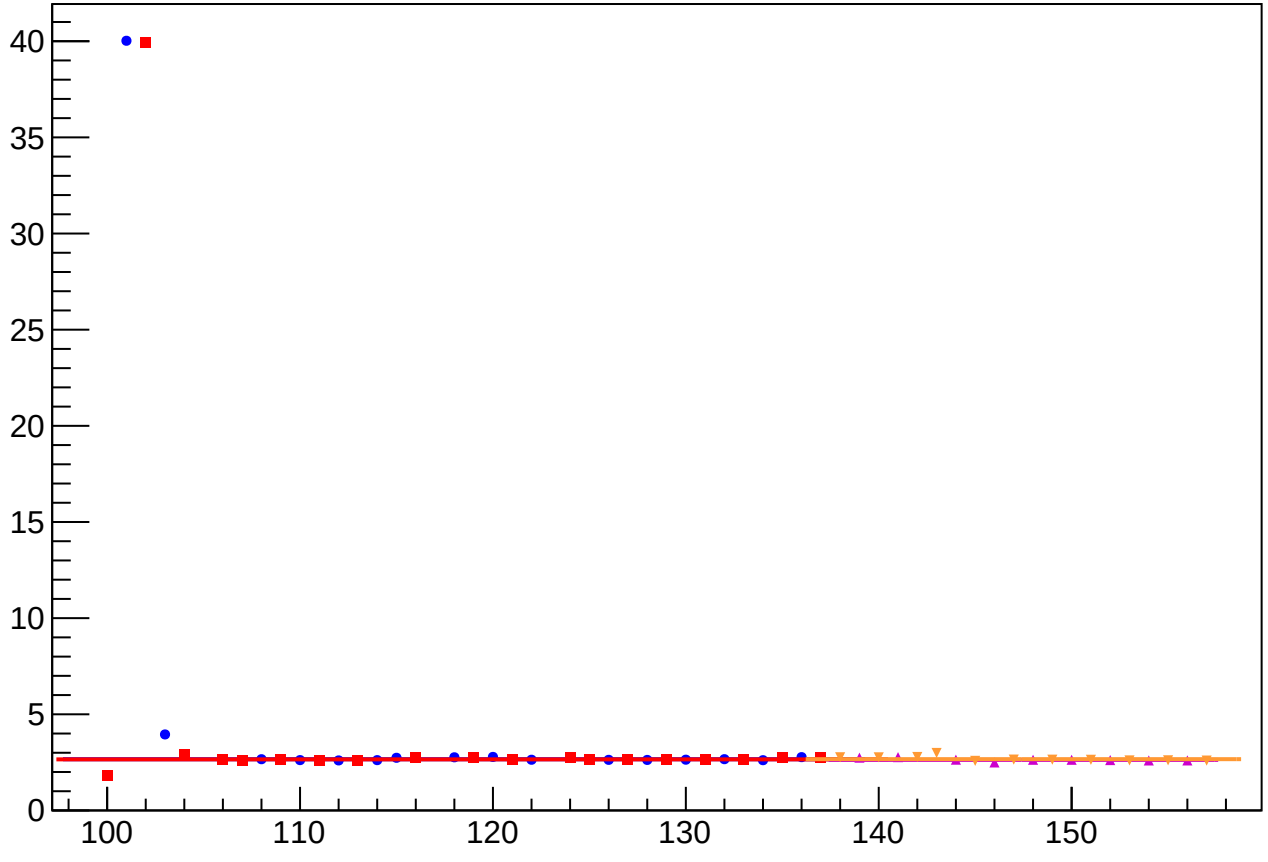
Left In: 0.020+/-0.000 χ^2/NDF:369765.7/8

+ sign 0.017+/-0.000 χ^2/NDF: 2467895.1/26

All: 0.017+/-0.000 χ^2/NDF: 4414544.4/54

- sign 0.017+/-0.000 χ^2/NDF: 1912140.5/27

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.667+/-0.000 χ^2/NDF:17017755498.7/10

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

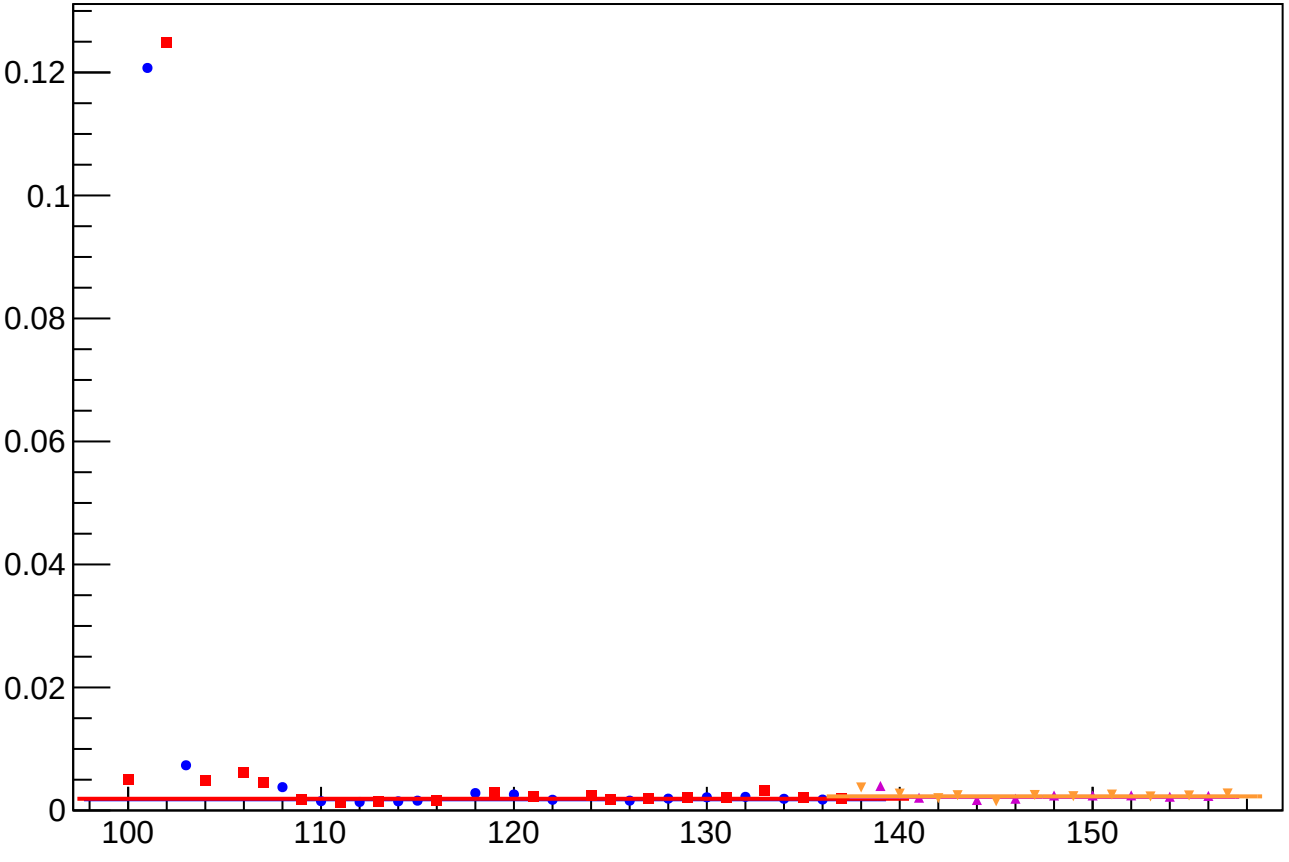
Left In: 2.628+/-0.000 χ^2/NDF:7597936179.9/8

+ sign 2.665+/-0.000 χ^2/NDF: 84864321805.8/26

All: 2.654+/-0.000 χ^2/NDF: 158752681645.7

- sign 2.643+/-0.000 χ^2/NDF: 73205118779.9/27

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:700430.2/10

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

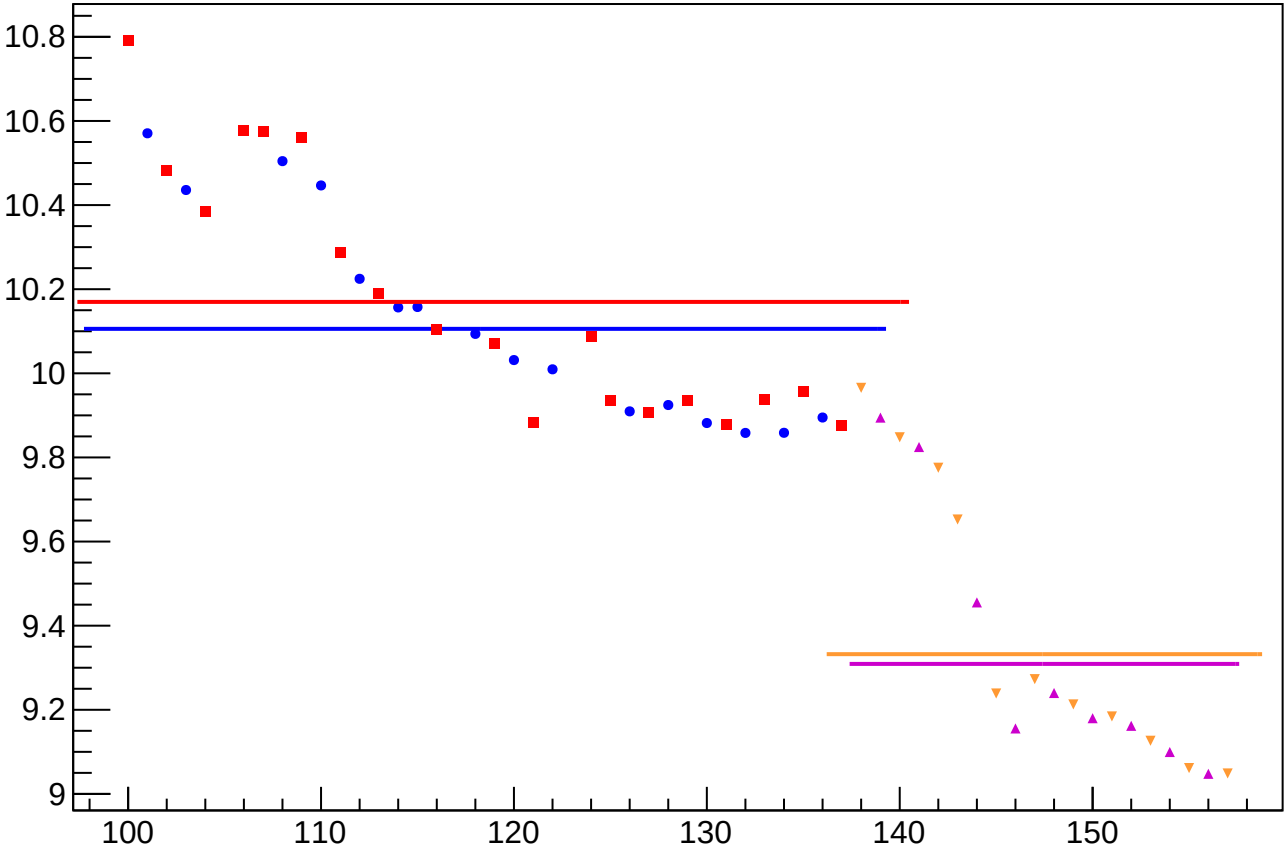
Left In: 0.002+/-0.000 χ^2/NDF:525595.0/8

+ sign 0.002+/-0.000 χ^2/NDF: 2832621.2/26

All: 0.002+/-0.000 χ^2/NDF: 6010508.9/54

- sign 0.002+/-0.000 χ^2/NDF: 3177778.1/27

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.332+/-0.000 χ^2/NDF:12760161193.3/10

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

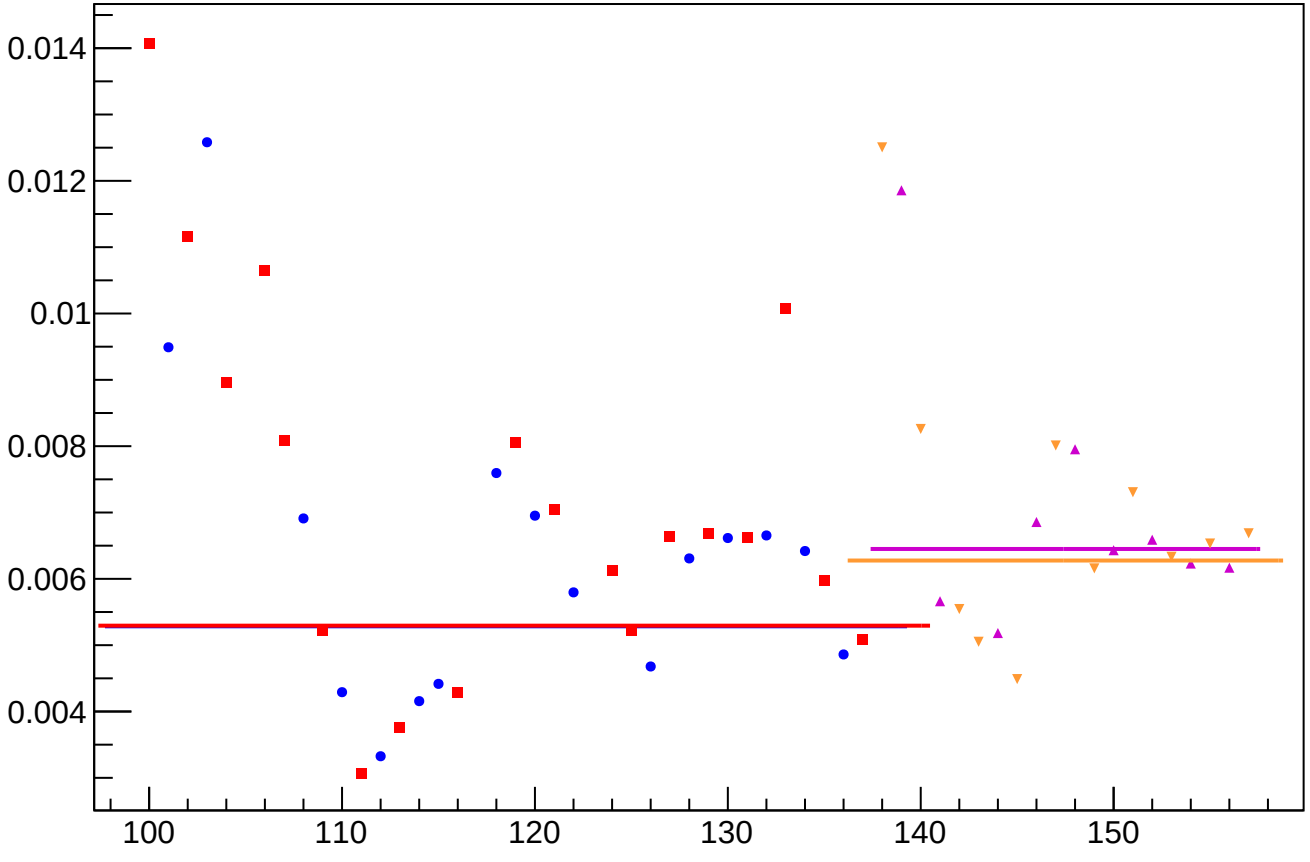
Left In: 9.309+/-0.000 χ^2/NDF:10759875323.6/8

+ sign 9.744+/-0.000 χ^2/NDF: 75959931986.8/26

All: 9.771+/-0.000 χ^2/NDF: 159323116669.9

- sign 9.798+/-0.000 χ^2/NDF: 82847391095.7/27

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:789564.1/10

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

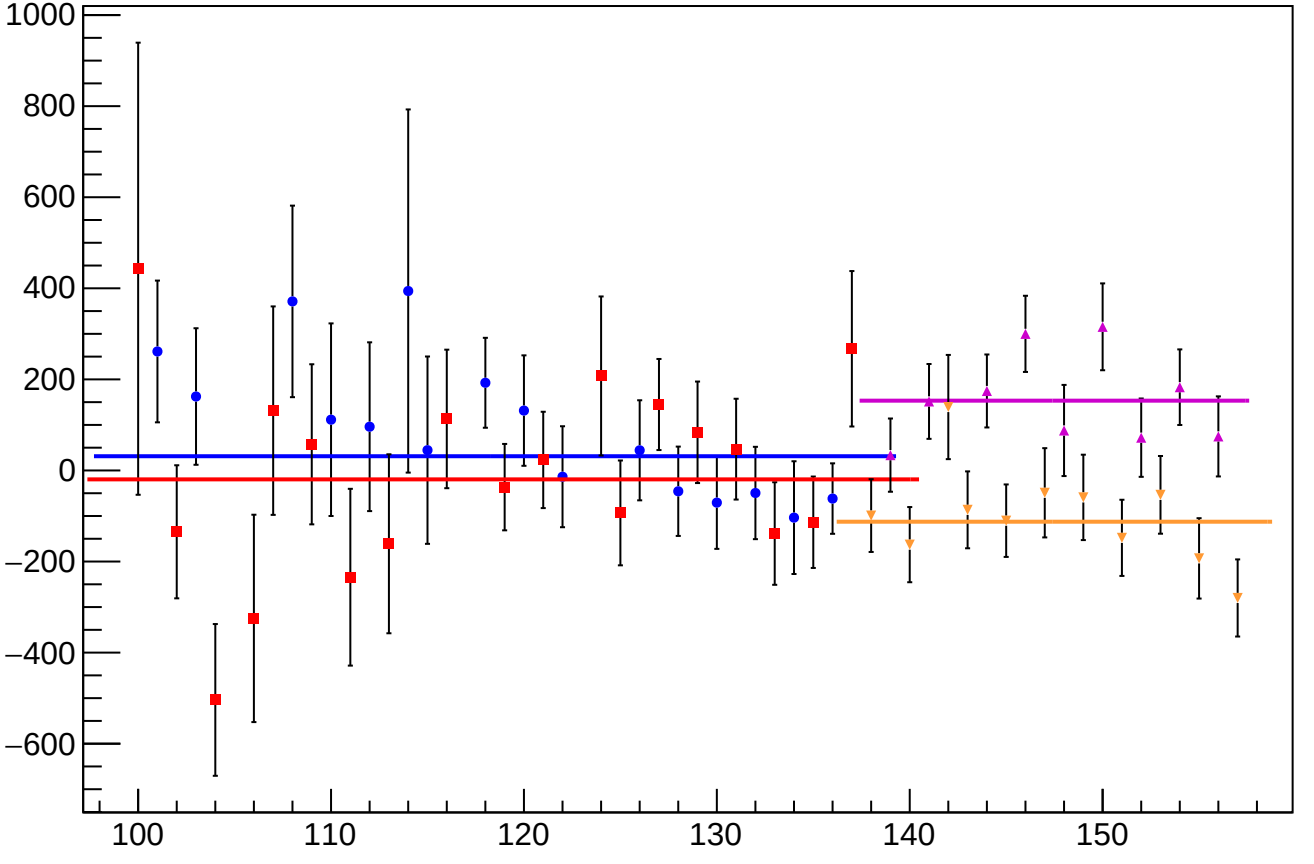
Left In: 0.006+/-0.000 χ^2/NDF:492309.7/8

+ sign 0.006+/-0.000 χ^2/NDF: 2241448.4/26

All: 0.006+/-0.000 χ^2/NDF: 4753979.9/54

- sign 0.006+/-0.000 χ^2/NDF: 2511804.4/27

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.549+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

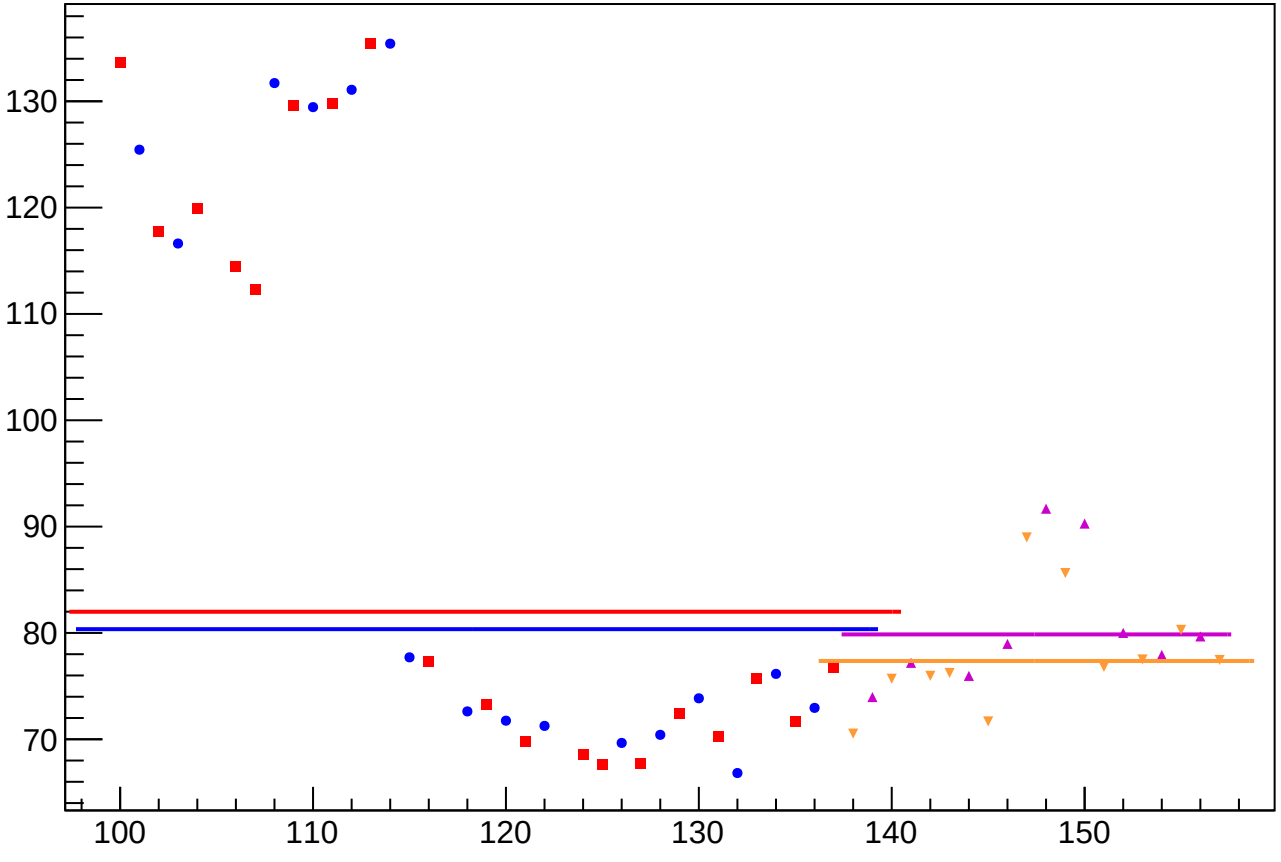
Left In: 153.265+/-28.619 χ^2/NDF:10.5/8

+ sign -51.840+/-20.003 χ^2/NDF: 39.2/26

All: 7.837+/-14.499 χ^2/NDF: 111.1/54

- sign 73.899+/-21.046 χ^2/NDF: 53.1/27

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

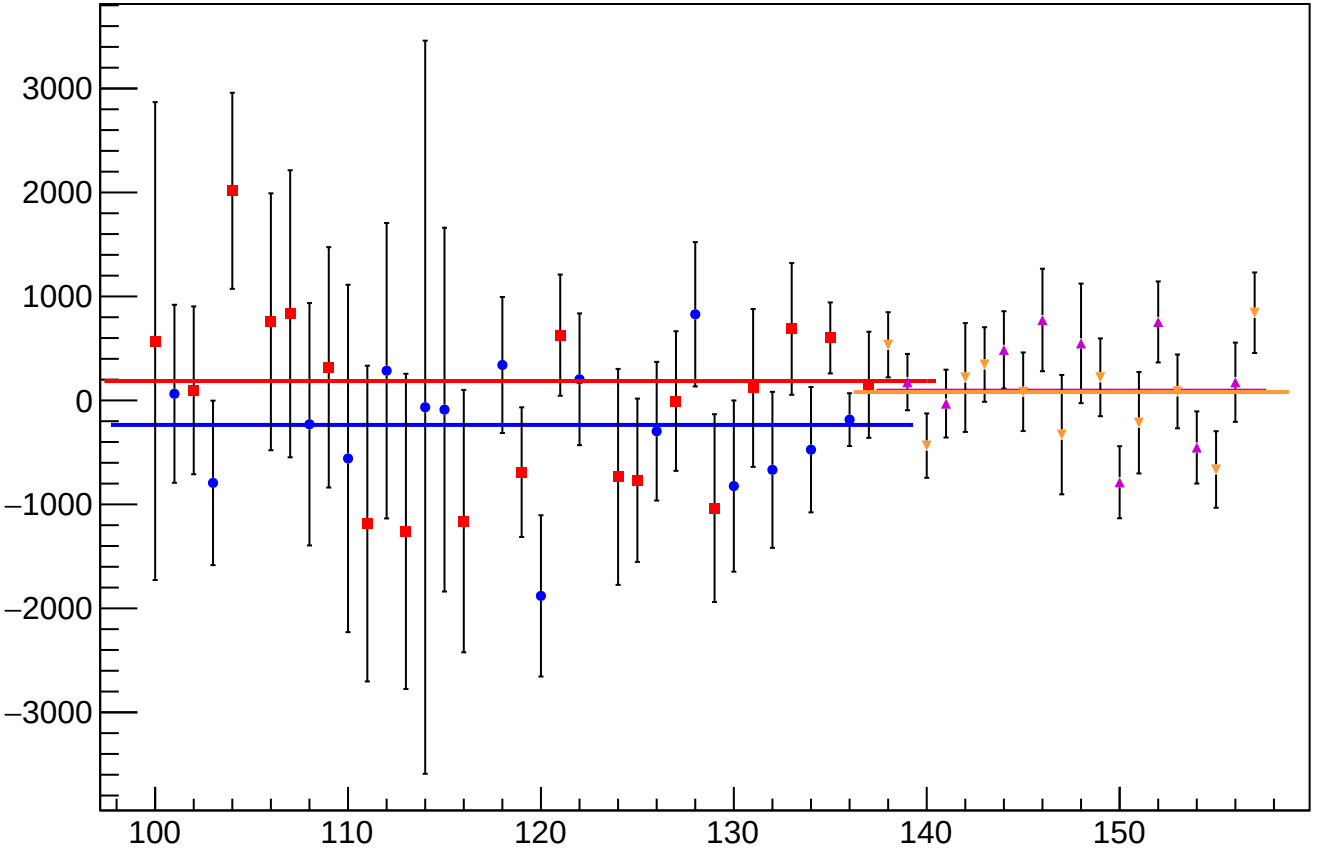
Left In: 79.861+/-0.020 χ^2/NDF:70722.1/8

+ sign 78.626+/-0.014 χ^2/NDF: 923238.3/26

All: 79.677+/-0.010 χ^2/NDF: 1943022.6/54

- sign 80.840+/-0.015 χ^2/NDF: 1008155.1/27

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.566+/-115.153 χ^2/NDF:14.5/10

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

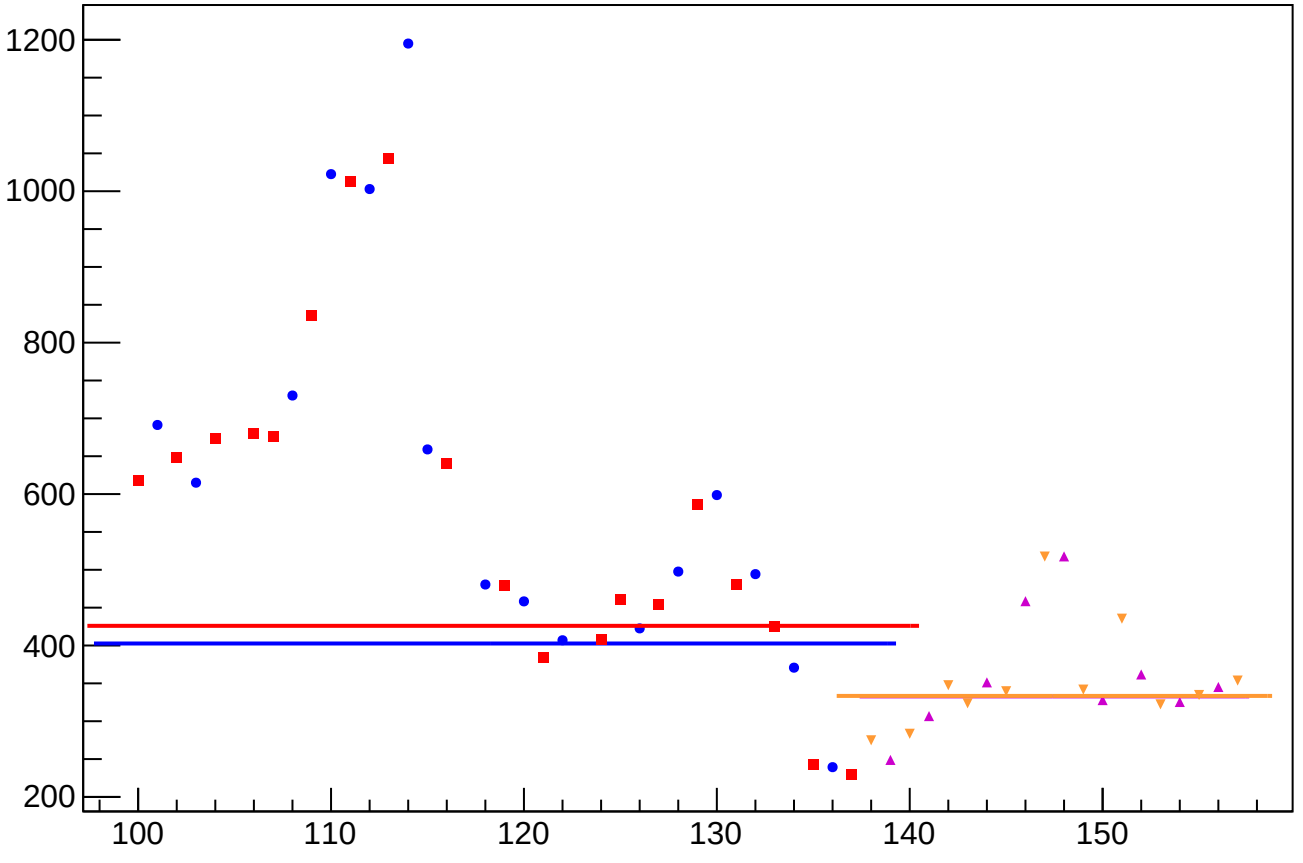
Left In: 93.913+/-121.691 χ^2/NDF:15.7/8

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 46.877+/-68.252 χ^2/NDF: 60.0/54

- sign 125.226+/-99.029 χ^2/NDF: 31.9/27

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 333.424+/-0.081 χ^2/NDF:427097.2/10

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

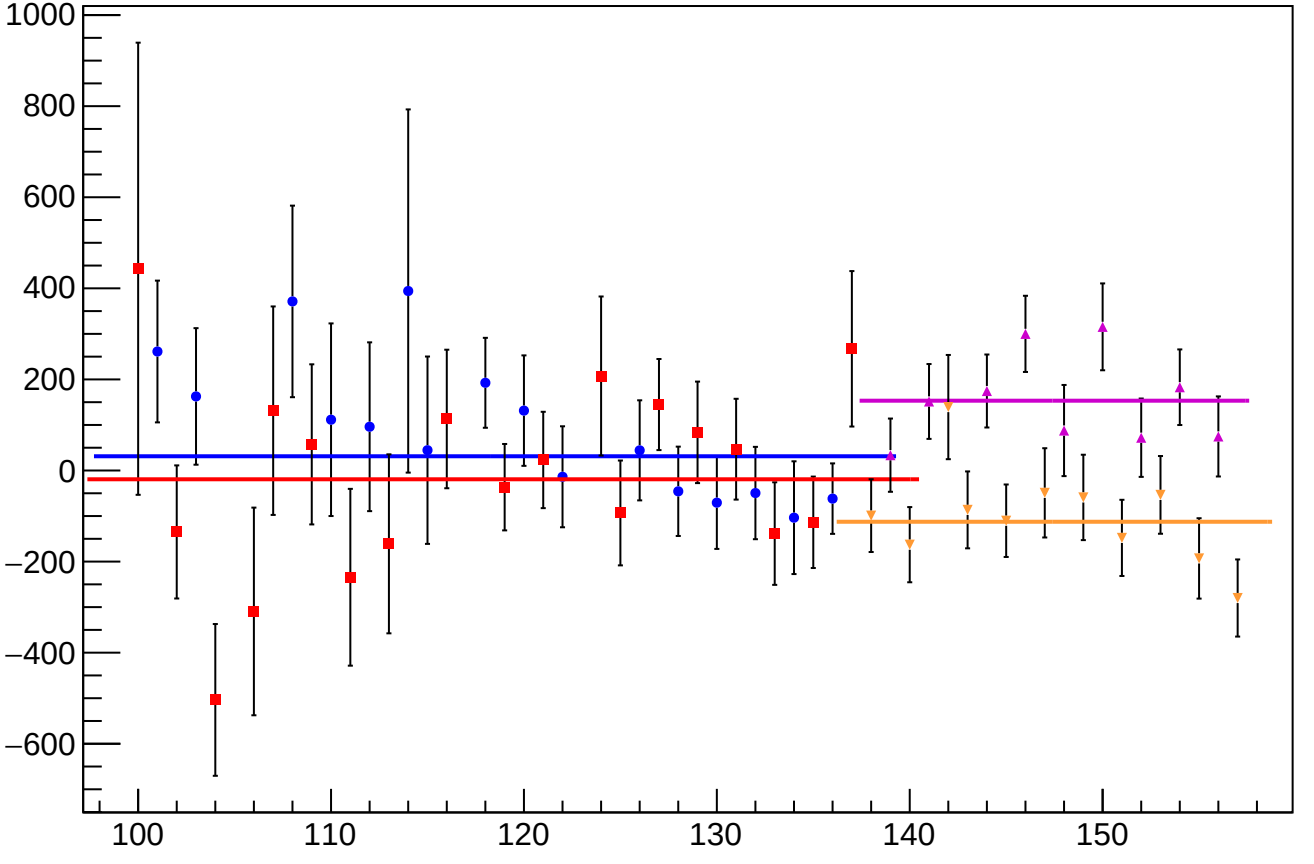
Left In: 332.760+/-0.086 χ^2/NDF:561257.0/8

+ sign 356.330+/-0.067 χ^2/NDF: 3026378.7/26

All: 360.091+/-0.048 χ^2/NDF: 6359548.2/54

- sign 364.247+/-0.070 χ^2/NDF: 3326459.4/27

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.547+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

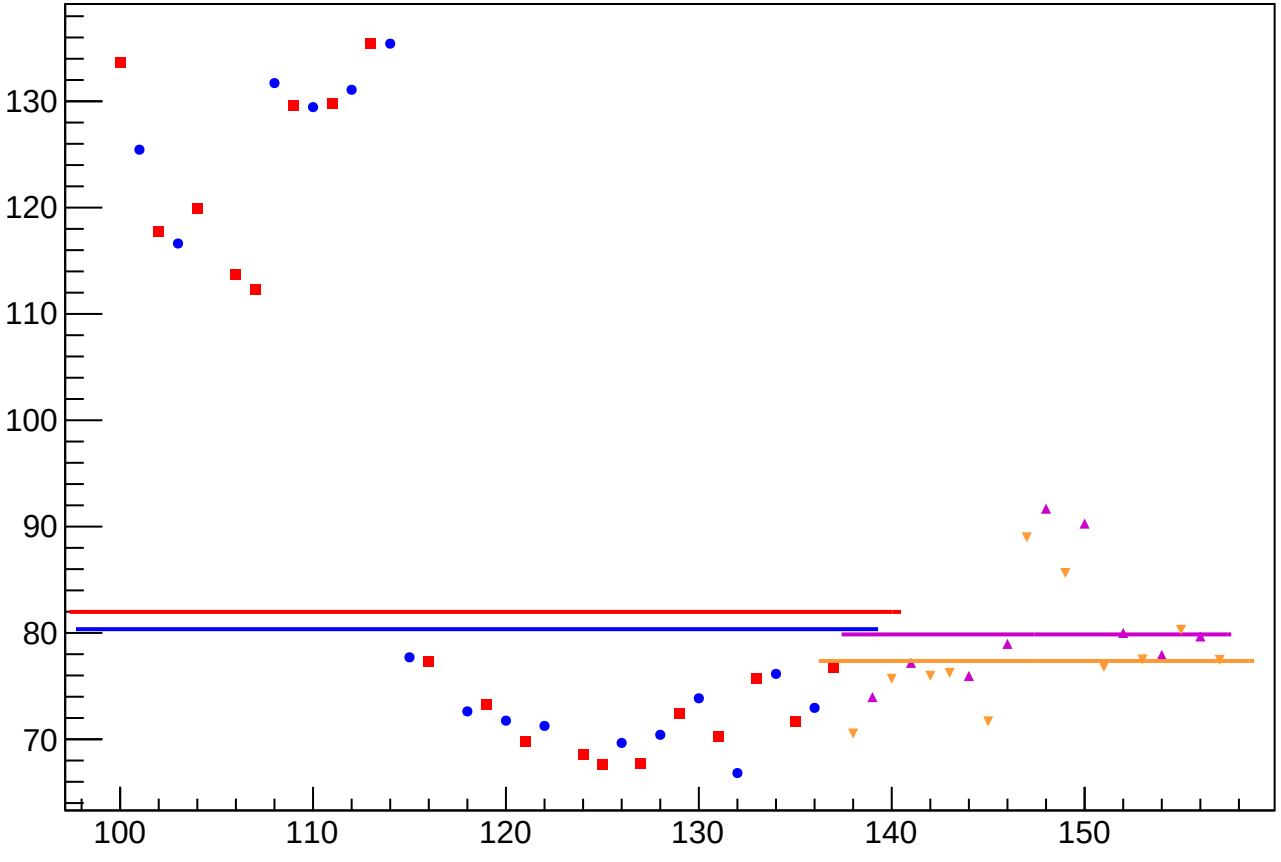
Left In: 153.267+/-28.619 χ^2/NDF:10.5/8

+ sign -51.835+/-20.003 χ^2/NDF: 39.2/26

All: 7.904+/-14.499 χ^2/NDF: 110.9/54

- sign 74.037+/-21.047 χ^2/NDF: 52.9/27

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

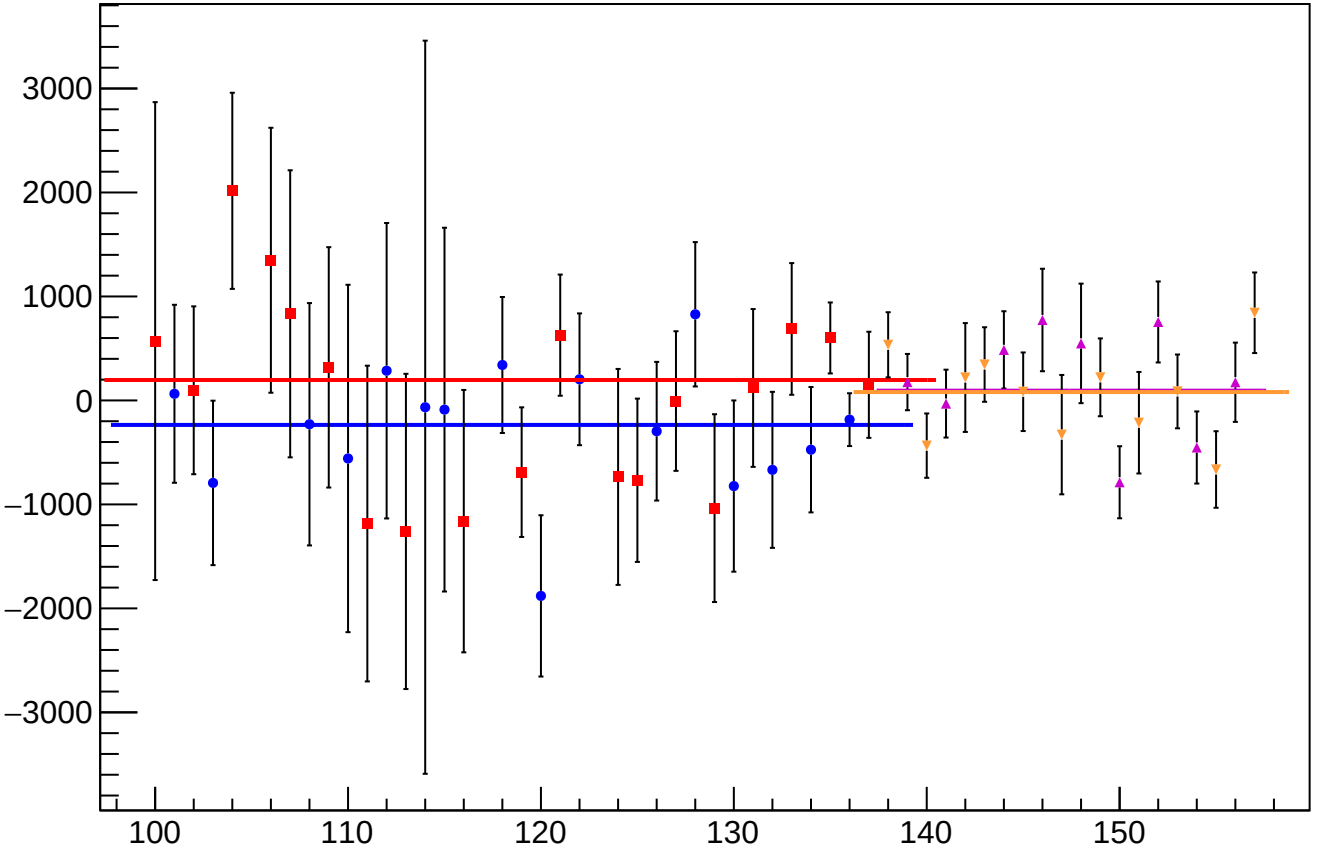
Left In: 79.861+/-0.020 χ^2/NDF:70722.1/8

+ sign 78.626+/-0.014 χ^2/NDF: 923238.5/26

All: 79.674+/-0.010 χ^2/NDF: 1941006.9/54

- sign 80.833+/-0.015 χ^2/NDF: 1006212.1/27

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

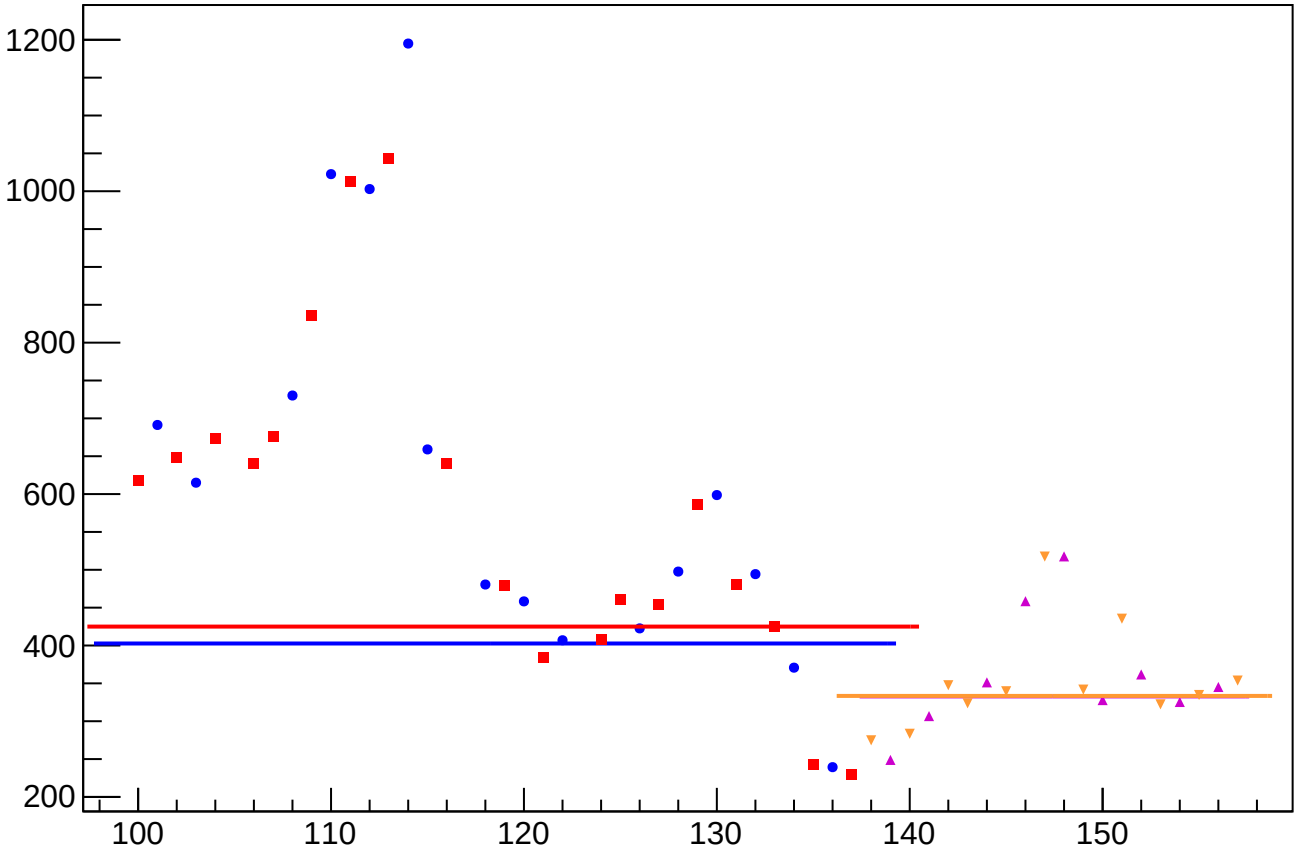
Left In: 93.914+/-121.691 χ^2/NDF:15.7/8

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 48.448+/-68.258 χ^2/NDF: 60.7/54

- sign 128.564+/-99.049 χ^2/NDF: 32.6/27

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

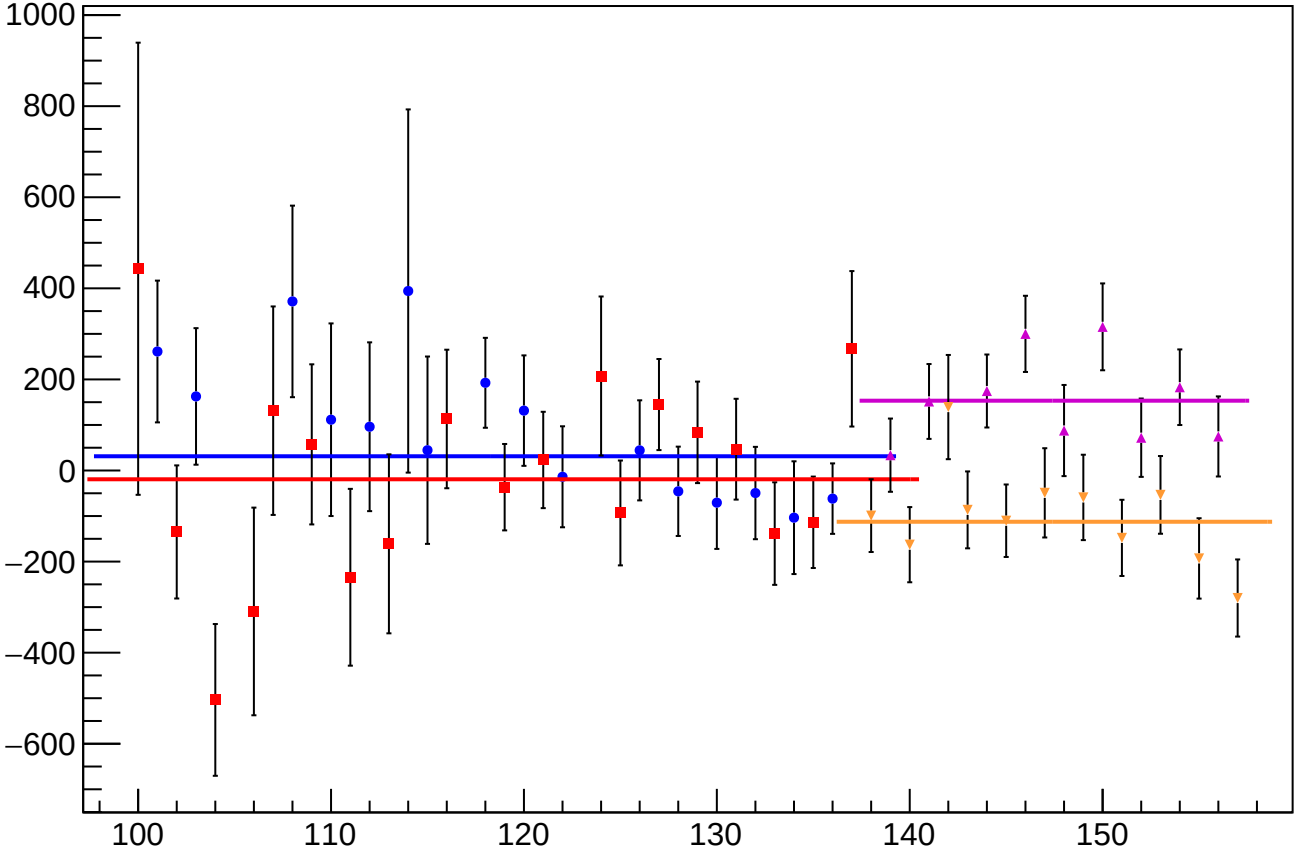
Left In: 332.761+/-0.086 χ^2/NDF:561257.9/8

+ sign 356.330+/-0.067 χ^2/NDF: 3026382.0/26

All: 359.920+/-0.048 χ^2/NDF: 6322502.8/54

- sign 363.888+/-0.070 χ^2/NDF: 3290006.2/27

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -112.547+/-26.315 χ^2/NDF:11.5/10

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

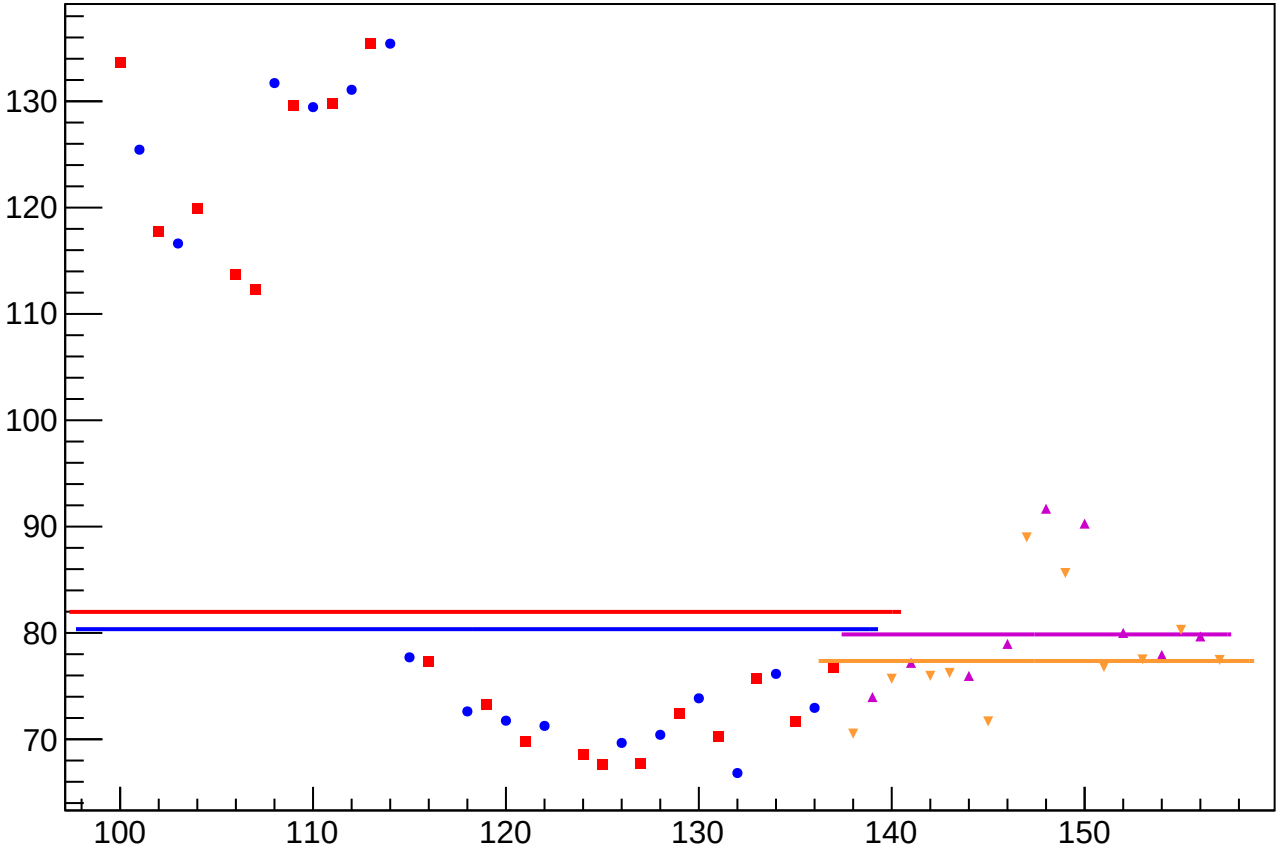
Left In: 153.267+/-28.619 χ^2/NDF:10.5/8

+ sign -51.835+/-20.003 χ^2/NDF: 39.2/26

All: 7.904+/-14.499 χ^2/NDF: 110.9/54

- sign 74.037+/-21.047 χ^2/NDF: 52.9/27

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.363+/-0.019 χ^2/NDF:72294.6/10

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

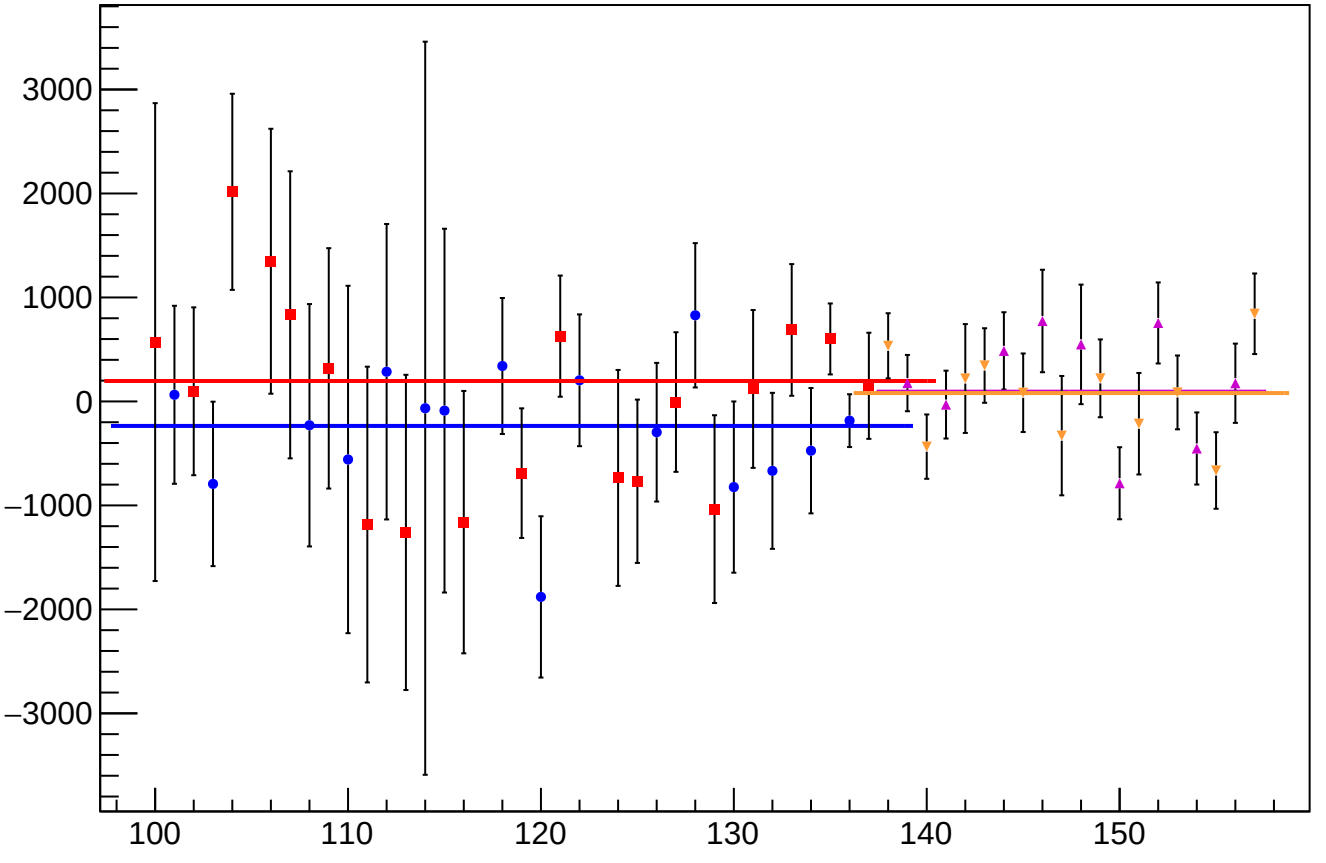
Left In: 79.861+/-0.020 χ^2/NDF:70722.1/8

+ sign 78.626+/-0.014 χ^2/NDF: 923238.5/26

All: 79.674+/-0.010 χ^2/NDF: 1941006.9/54

- sign 80.833+/-0.015 χ^2/NDF: 1006212.1/27

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 80.565+/-115.153 χ^2/NDF:14.5/10

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

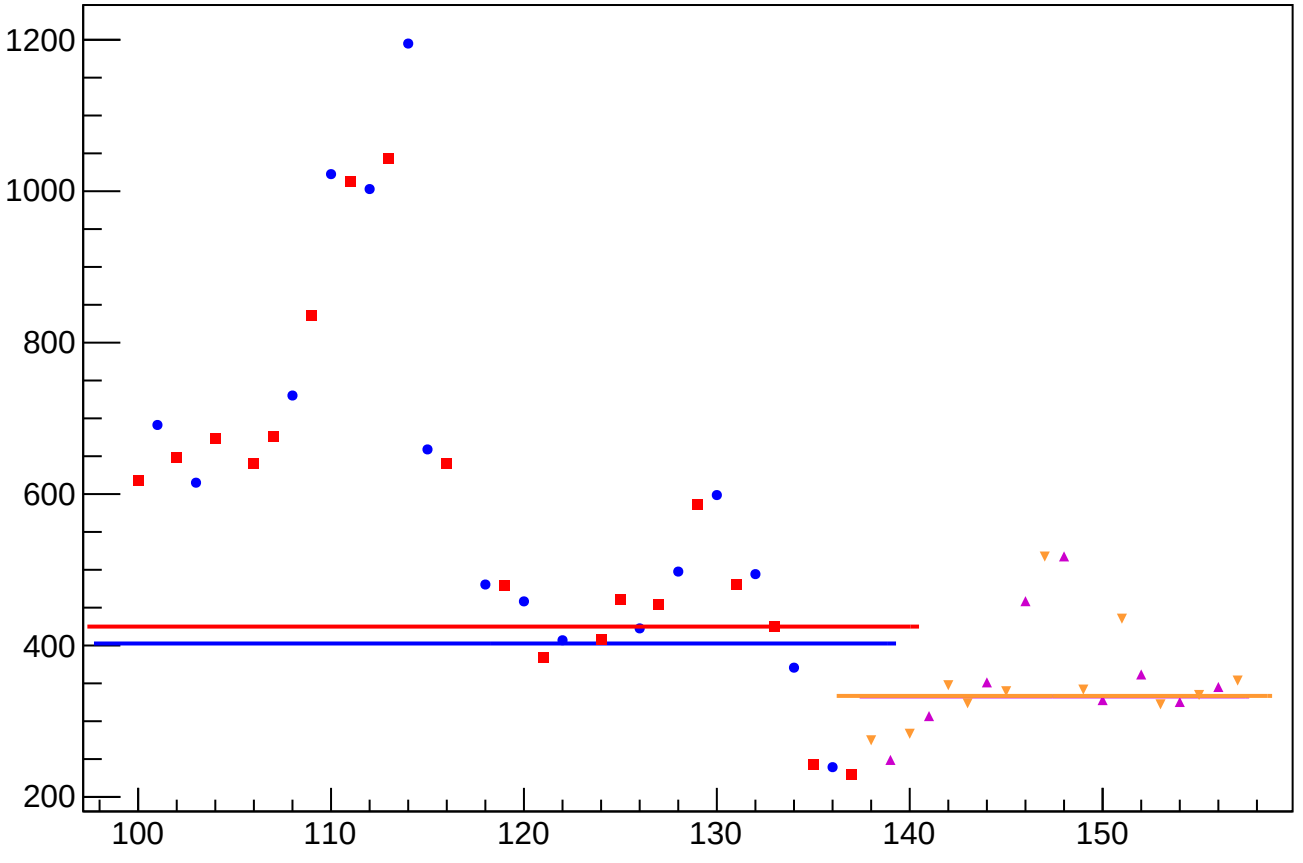
Left In: 93.914+/-121.691 χ^2/NDF:15.7/8

+ sign -24.012+/-94.197 χ^2/NDF: 26.9/26

All: 48.448+/-68.258 χ^2/NDF: 60.7/54

- sign 128.564+/-99.049 χ^2/NDF: 32.6/27

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 333.424+/-0.081 χ^2/NDF:427102.8/10

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

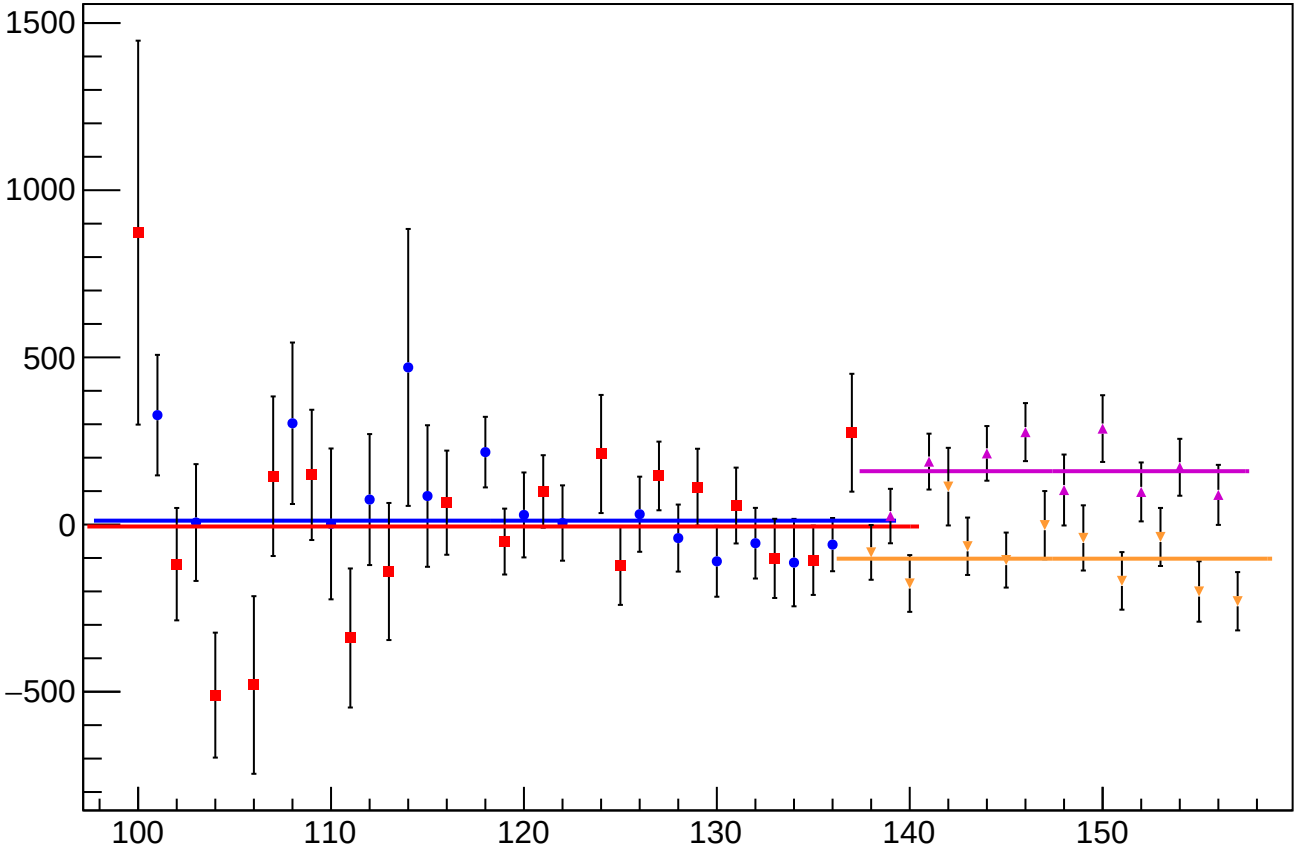
Left In: 332.761+/-0.086 χ^2/NDF:561257.9/8

+ sign 356.330+/-0.067 χ^2/NDF: 3026382.0/26

All: 359.920+/-0.048 χ^2/NDF: 6322502.8/54

- sign 363.888+/-0.070 χ^2/NDF: 3290006.2/27

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.097+/-27.032 χ^2/NDF:10.3/10

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

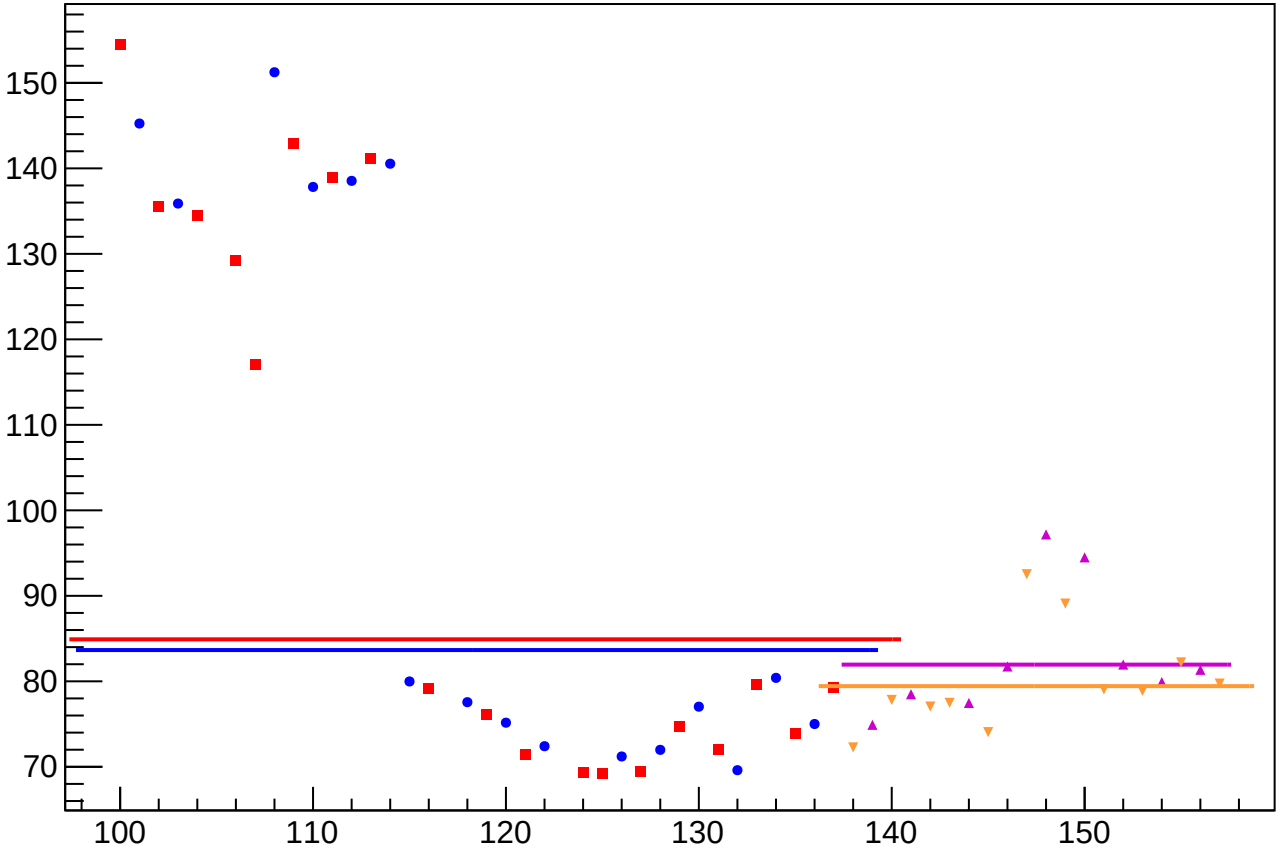
Left In: 159.594+/-29.407 χ^2/NDF:8.1/8

+ sign -55.239+/-20.729 χ^2/NDF: 31.1/26

All: 11.385+/-15.018 χ^2/NDF: 104.0/54

- sign 84.991+/-21.788 χ^2/NDF: 51.2/27

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.436+/-0.019 χ^2/NDF:81096.3/10

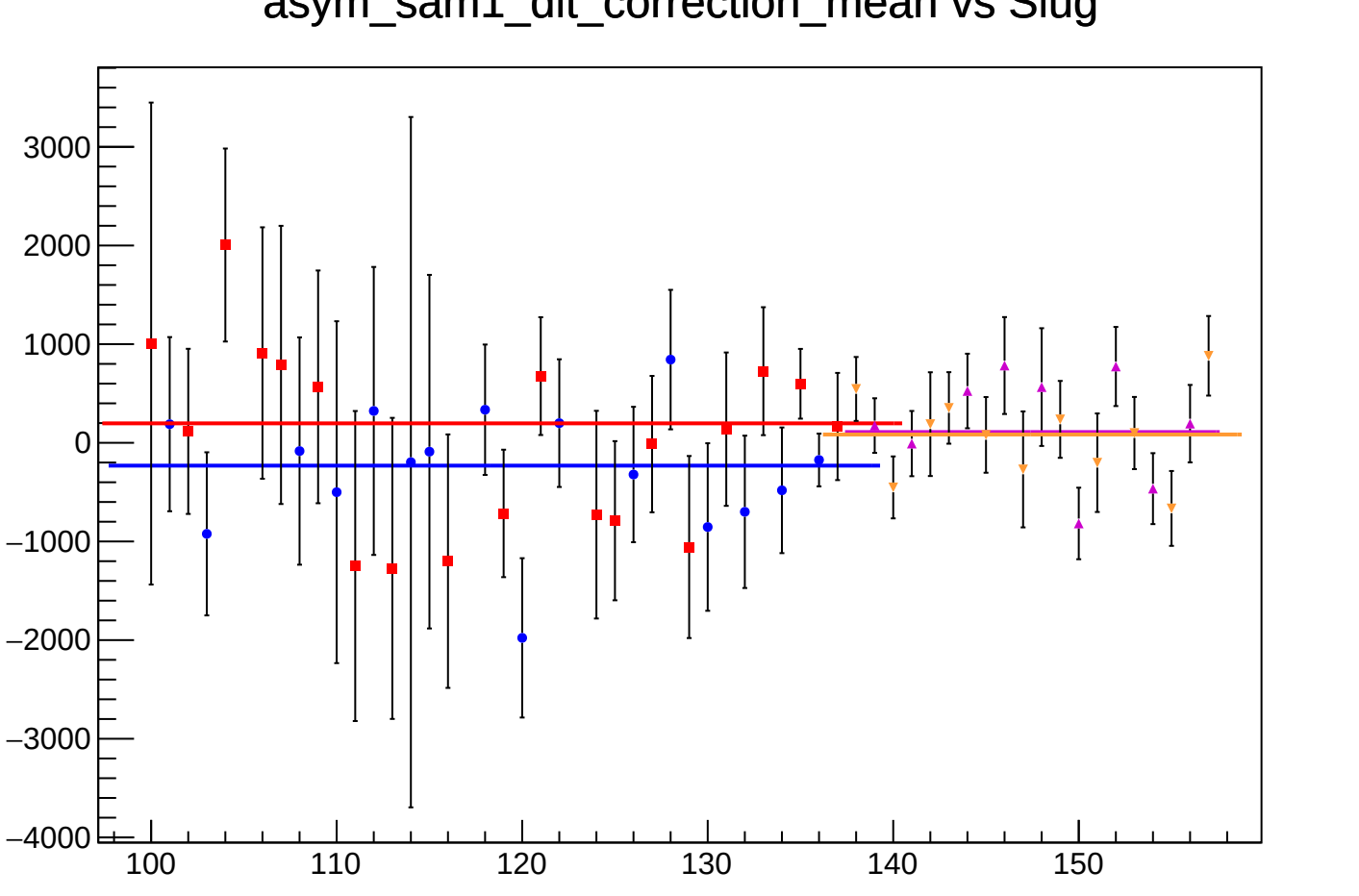
Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.953+/-0.021 χ^2/NDF:98477.6/8

+ sign 81.175+/-0.015 χ^2/NDF: 1135975.6/26

All: 82.179+/-0.011 χ^2/NDF: 2375133.6/54

- sign 83.288+/-0.015 χ^2/NDF: 1229285.7/27



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

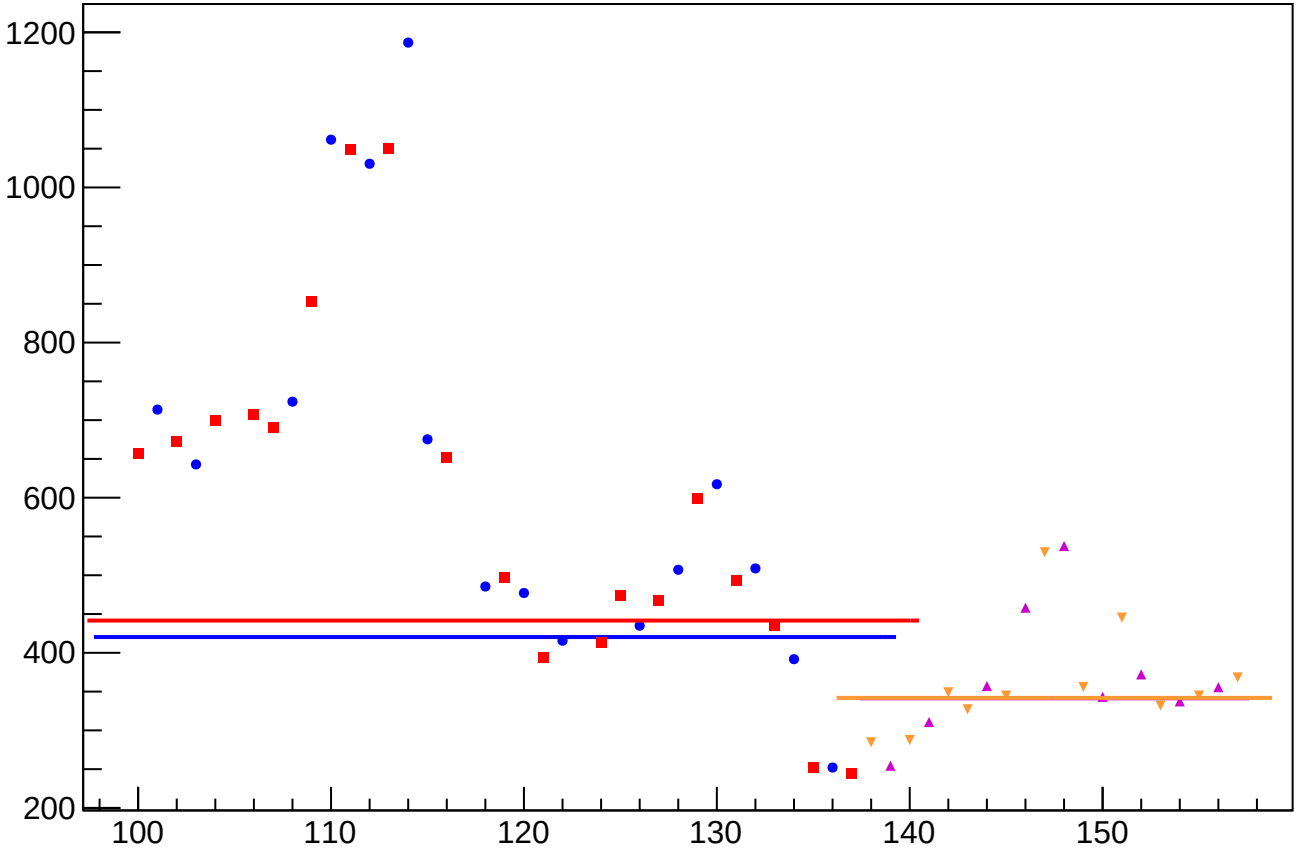
Left In: 108.757+/-124.791 χ^2/NDF:15.7/8

+ sign -18.341+/-96.994 χ^2/NDF: 26.9/26

All: 56.195+/-70.228 χ^2/NDF: 60.0/54

- sign 138.327+/-101.816 χ^2/NDF: 31.8/27

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.7/10

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

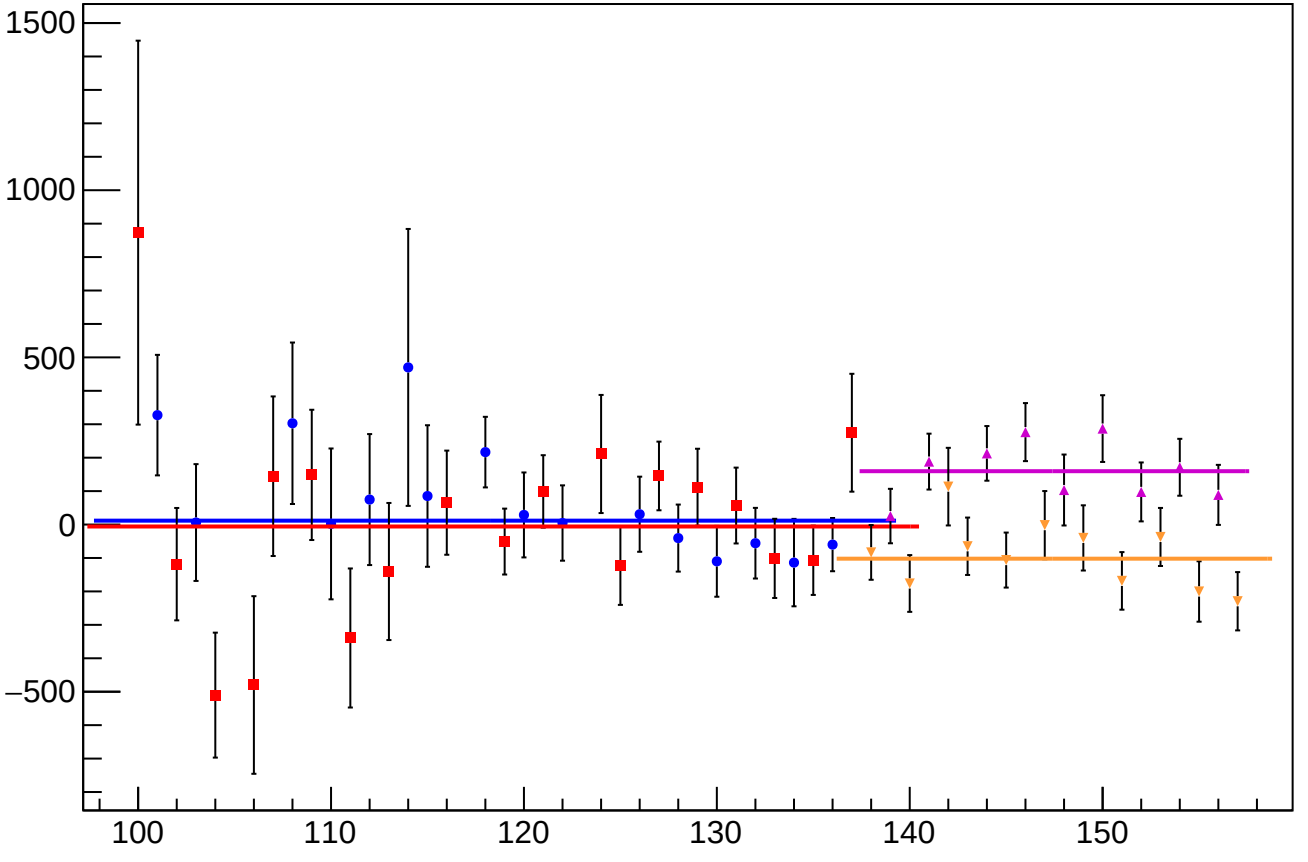
Left In: 341.352+/-0.088 χ^2/NDF:562581.5/8

+ sign 367.370+/-0.069 χ^2/NDF: 2970307.0/26

All: 370.936+/-0.050 χ^2/NDF: 6277630.3/54

- sign 374.866+/-0.072 χ^2/NDF: 3301639.8/27

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -102.096+/-27.032 χ^2/NDF:10.3/10

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

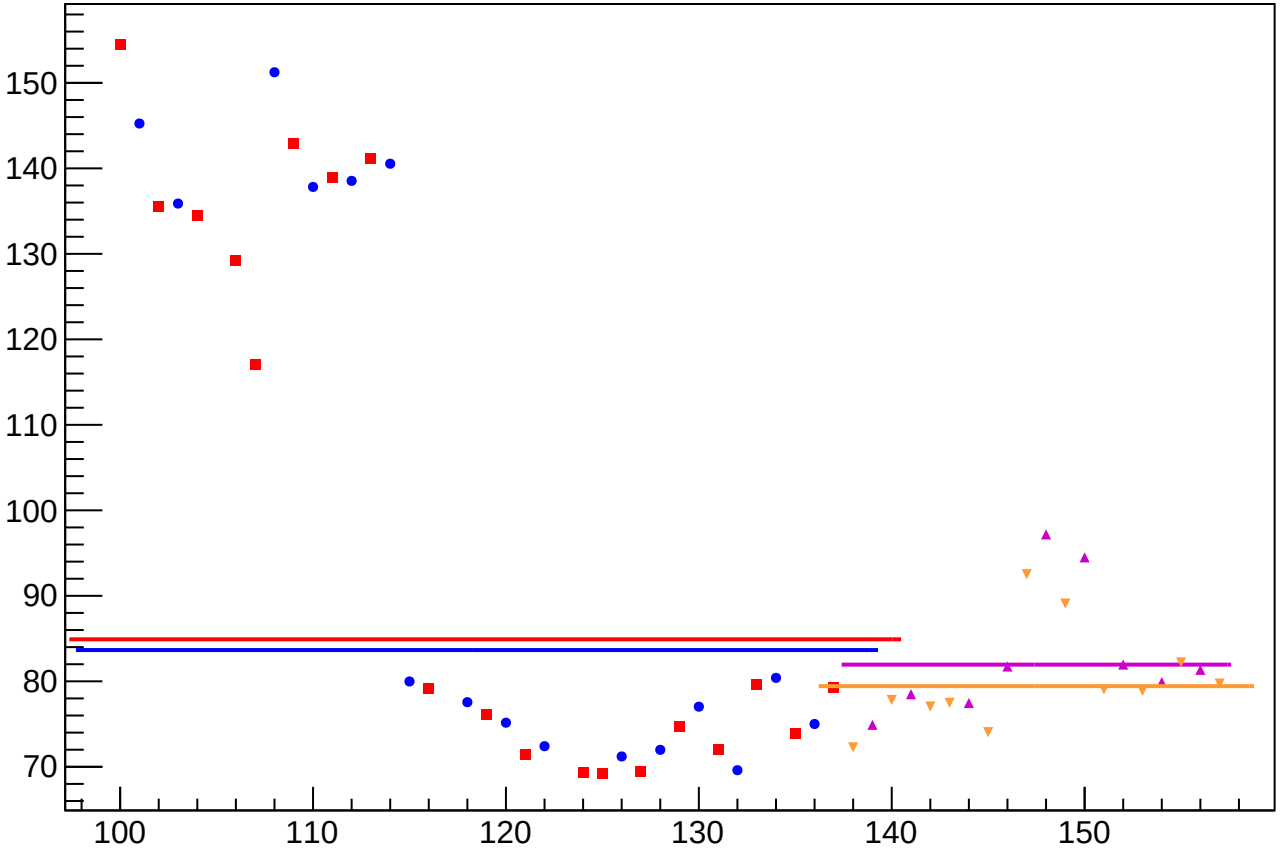
Left In: 159.594+/-29.407 χ^2/NDF:8.1/8

+ sign -55.238+/-20.729 χ^2/NDF: 31.1/26

All: 11.386+/-15.018 χ^2/NDF: 104.0/54

- sign 84.991+/-21.788 χ^2/NDF: 51.2/27

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.436+/-0.019 χ^2/NDF:81095.9/10

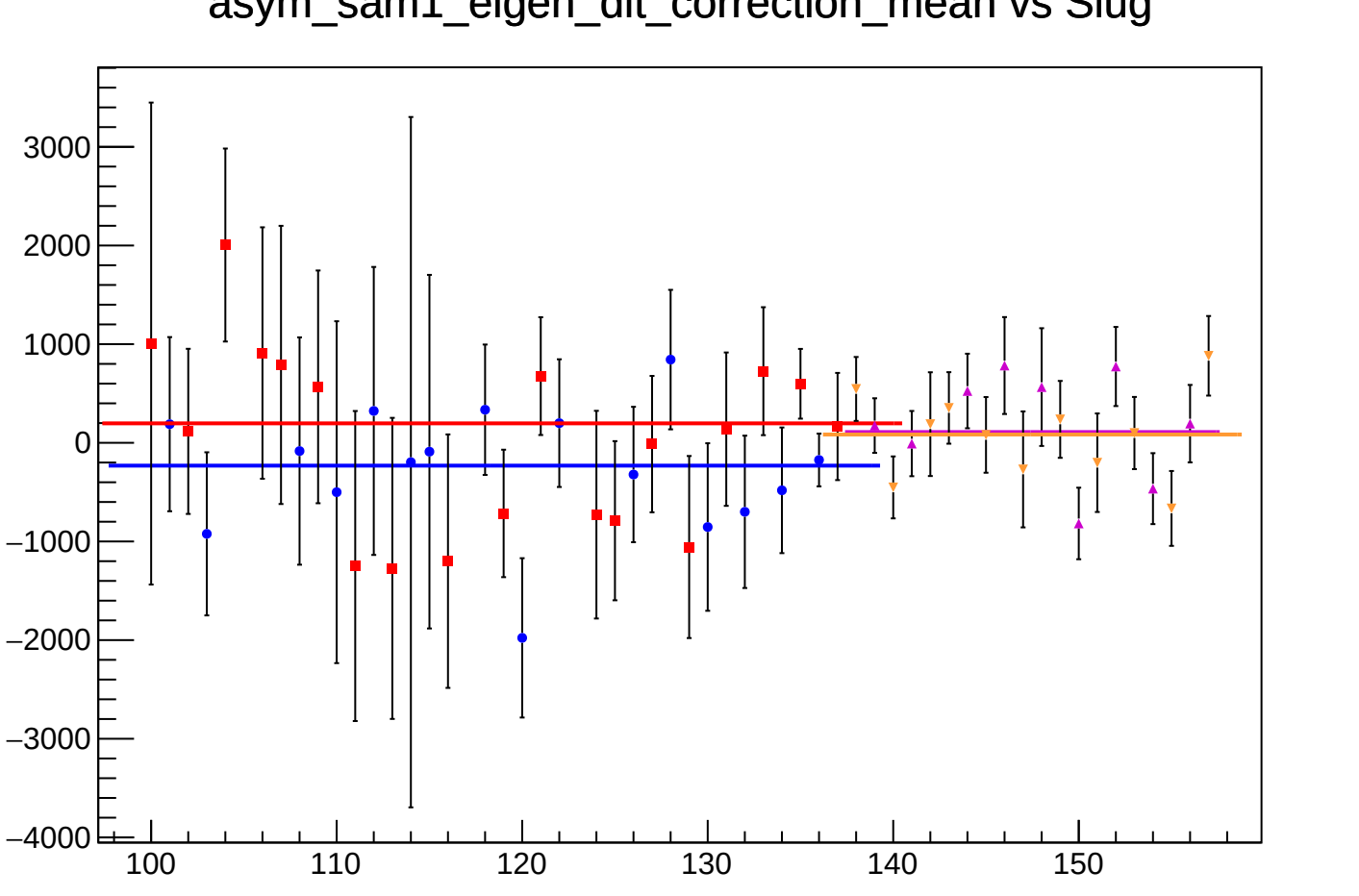
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.953+/-0.021 χ^2/NDF:98476.7/8

+ sign 81.175+/-0.015 χ^2/NDF: 1135974.0/26

All: 82.179+/-0.011 χ^2/NDF: 2375129.6/54

- sign 83.288+/-0.015 χ^2/NDF: 1229283.3/27



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 84.257+/-118.059 χ^2/NDF:14.2/10

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

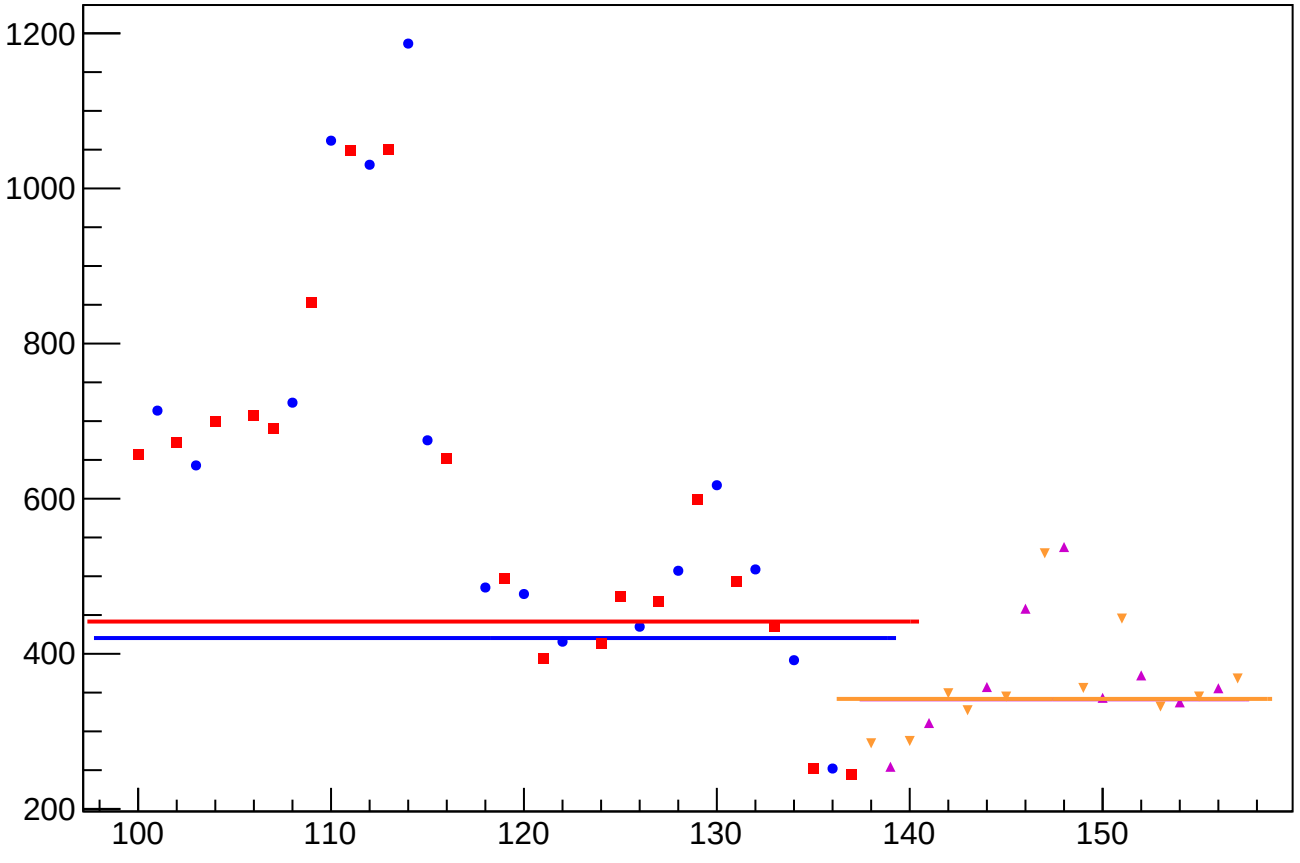
Left In: 108.757+/-124.790 χ^2/NDF:15.7/8

+ sign -18.341+/-96.994 χ^2/NDF: 26.9/26

All: 56.196+/-70.228 χ^2/NDF: 60.0/54

- sign 138.327+/-101.816 χ^2/NDF: 31.8/27

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.868+/-0.083 χ^2/NDF:428583.8/10

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

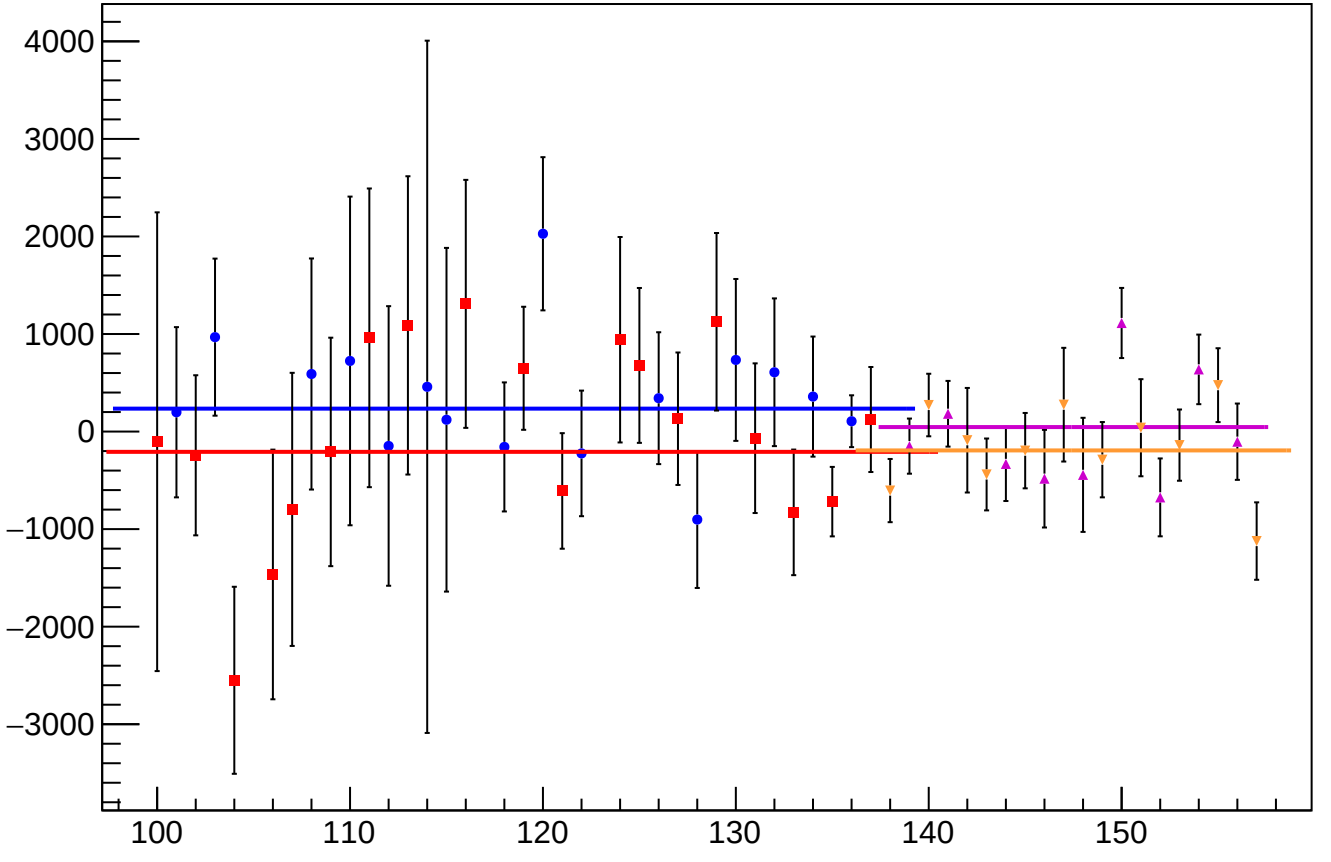
Left In: 341.352+/-0.088 χ^2/NDF:562582.5/8

+ sign 367.369+/-0.069 χ^2/NDF: 2970308.8/26

All: 370.936+/-0.050 χ^2/NDF: 6277634.7/54

- sign 374.866+/-0.072 χ^2/NDF: 3301642.5/27

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -193.325+/-118.403 χ^2/NDF:13.8/10

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

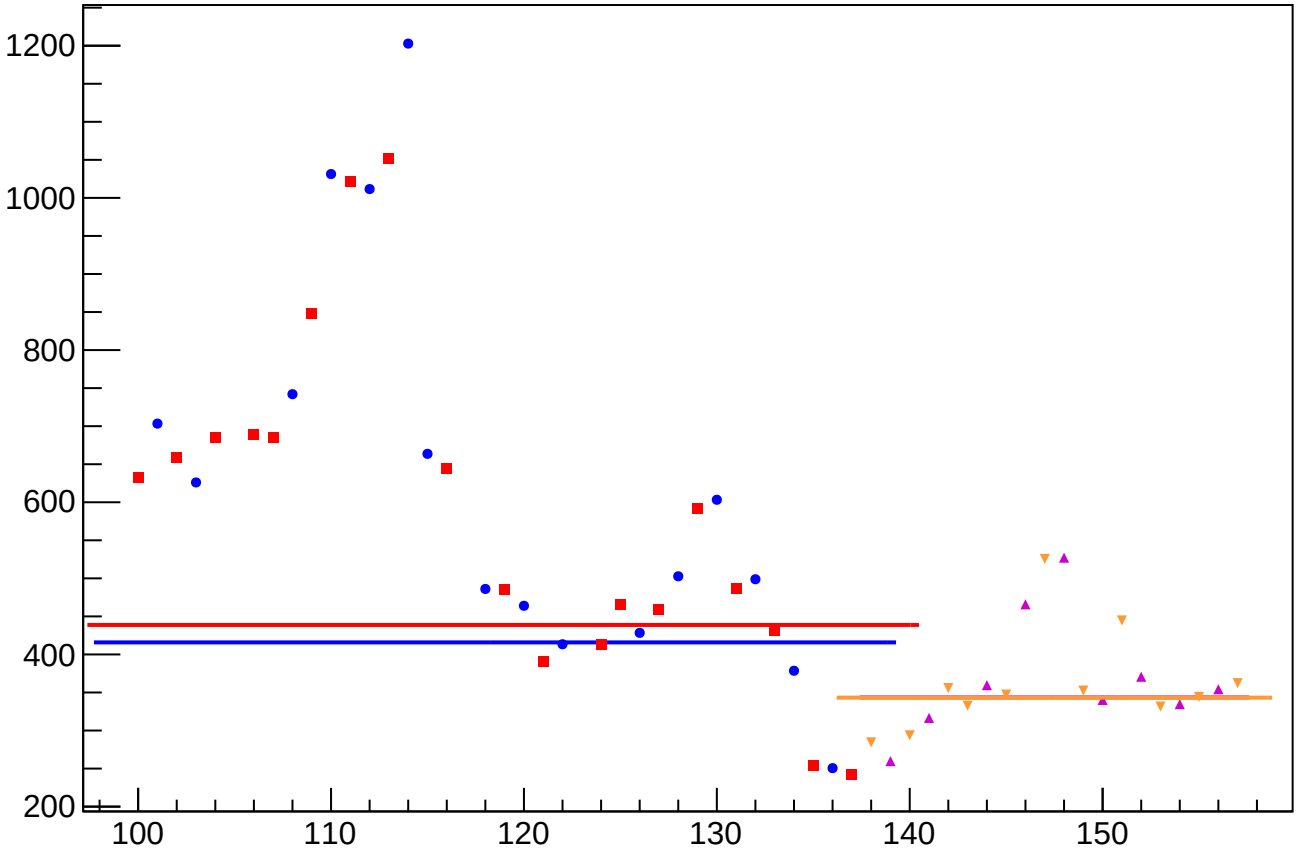
Left In: 46.104+/-125.412 χ^2/NDF:18.4/8

\+ sign -51.383+/-96.820 χ^2/NDF: 28.8/26

All: -46.114+/-70.183 χ^2/NDF: 69.0/54

\- sign -40.280+/-101.882 χ^2/NDF: 40.2/27

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 343.224+/-0.084 χ^2/NDF:403331.6/10

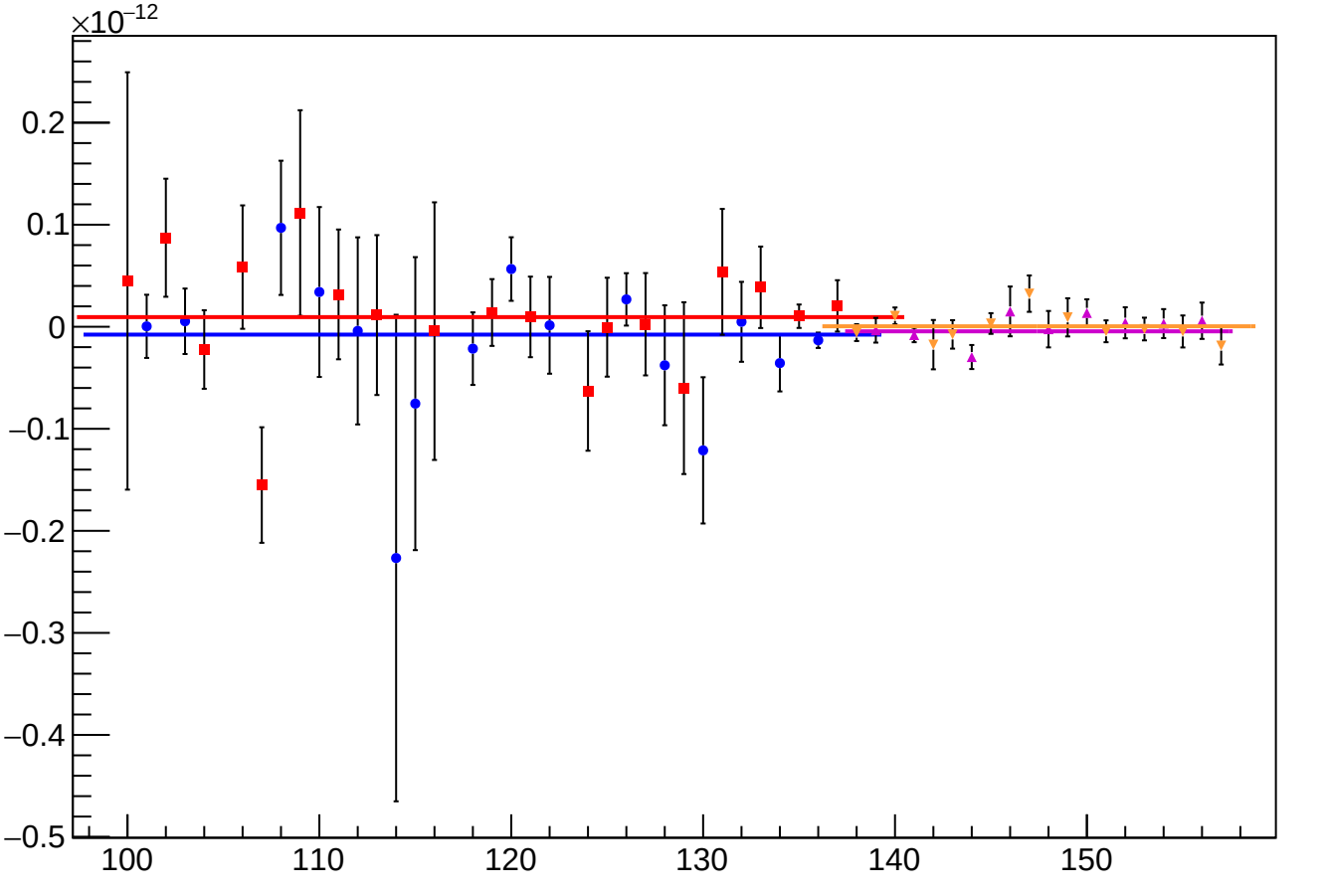
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 343.494+/-0.089 χ^2/NDF:520943.6/8

+ sign 367.285+/-0.068 χ^2/NDF: 2876538.7/26

All: 371.370+/-0.050 χ^2/NDF: 6032295.3/54

- sign 375.893+/-0.072 χ^2/NDF: 3148254.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

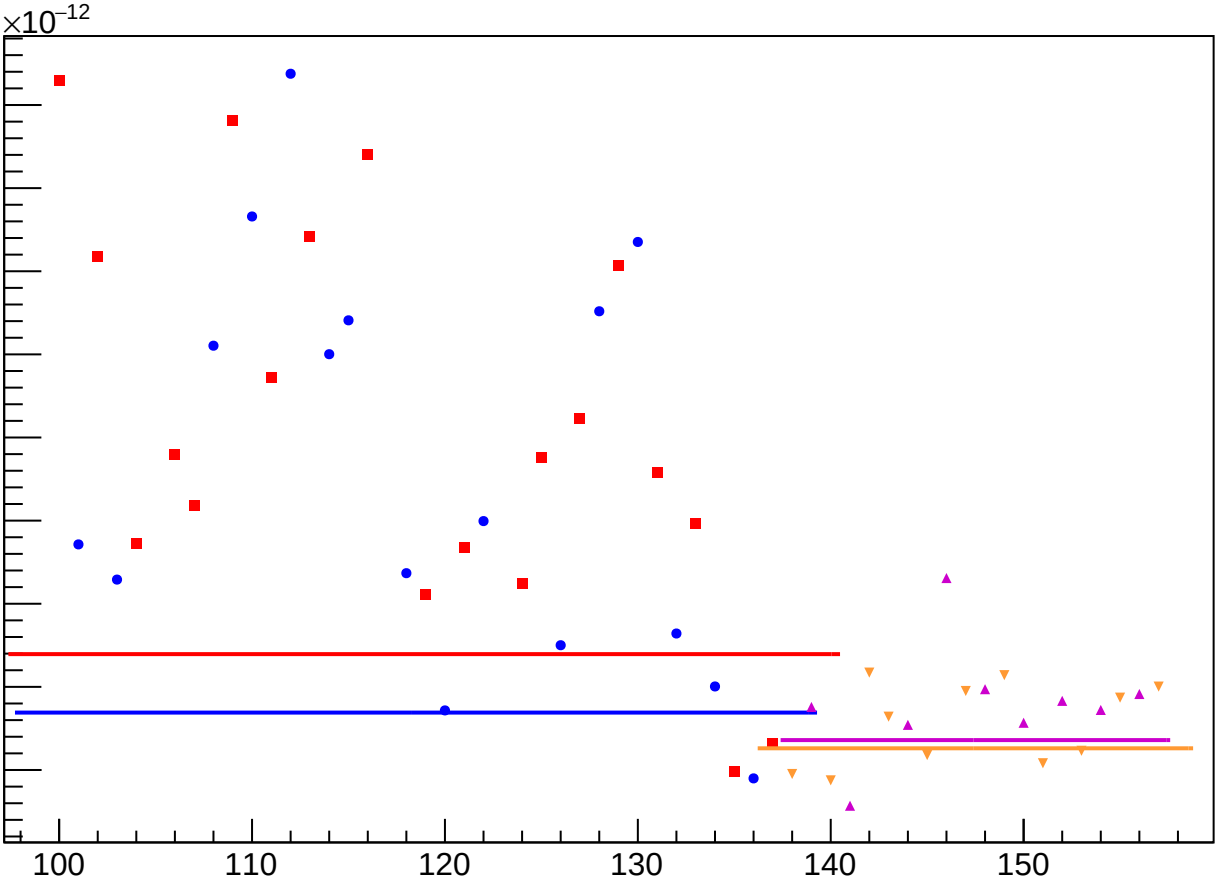
Left In: -0.000+/-0.000 χ^2/NDF:8.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 24.0/26

All: -0.000+/-0.000 χ^2/NDF: 50.9/54

- sign -0.000+/-0.000 χ^2/NDF: 26.9/27

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:646832.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

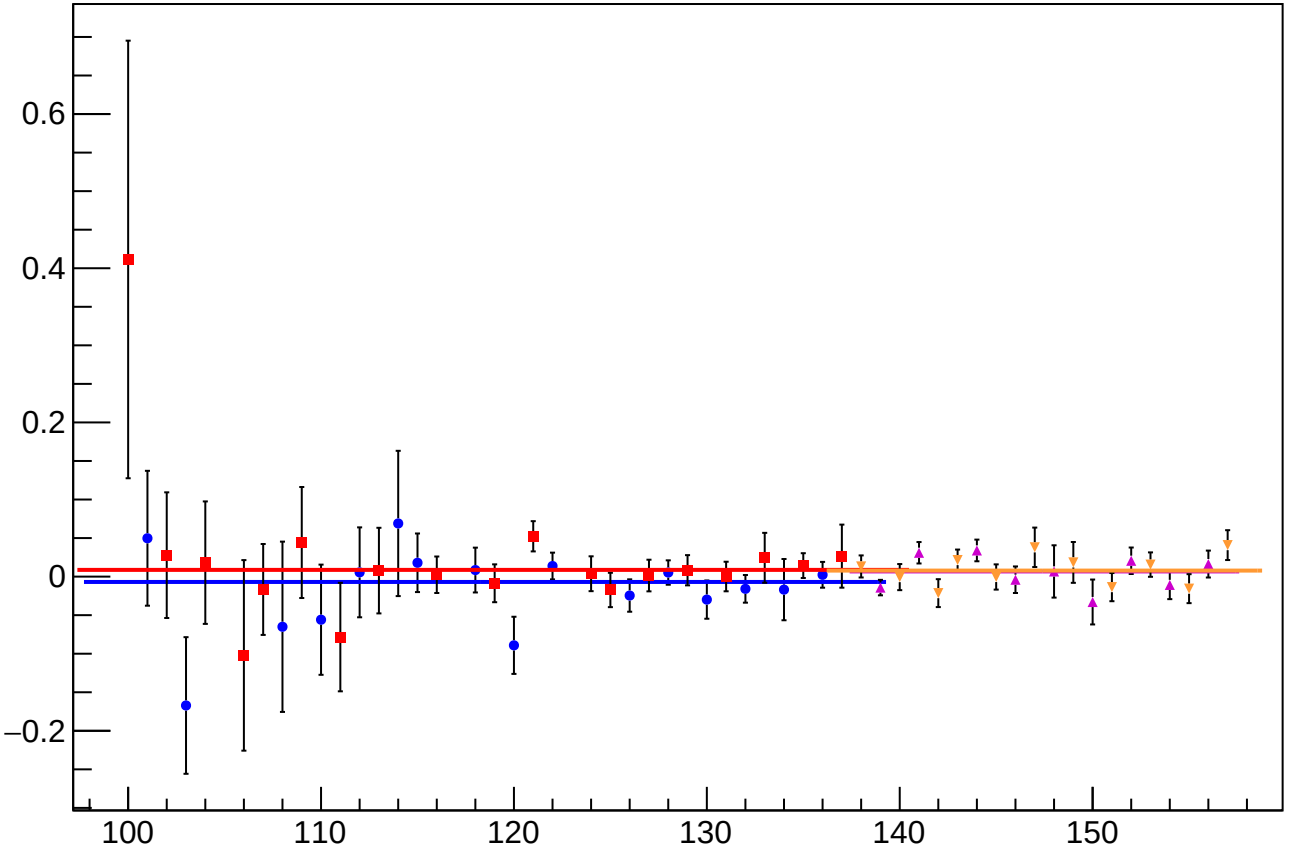
Left In: 0.000+/-0.000 χ^2/NDF:1217983.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 3583463.6/26

All: 0.000+/-0.000 χ^2/NDF: 8286244.7/54

- sign 0.000+/-0.000 χ^2/NDF: 4615256.5/27

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

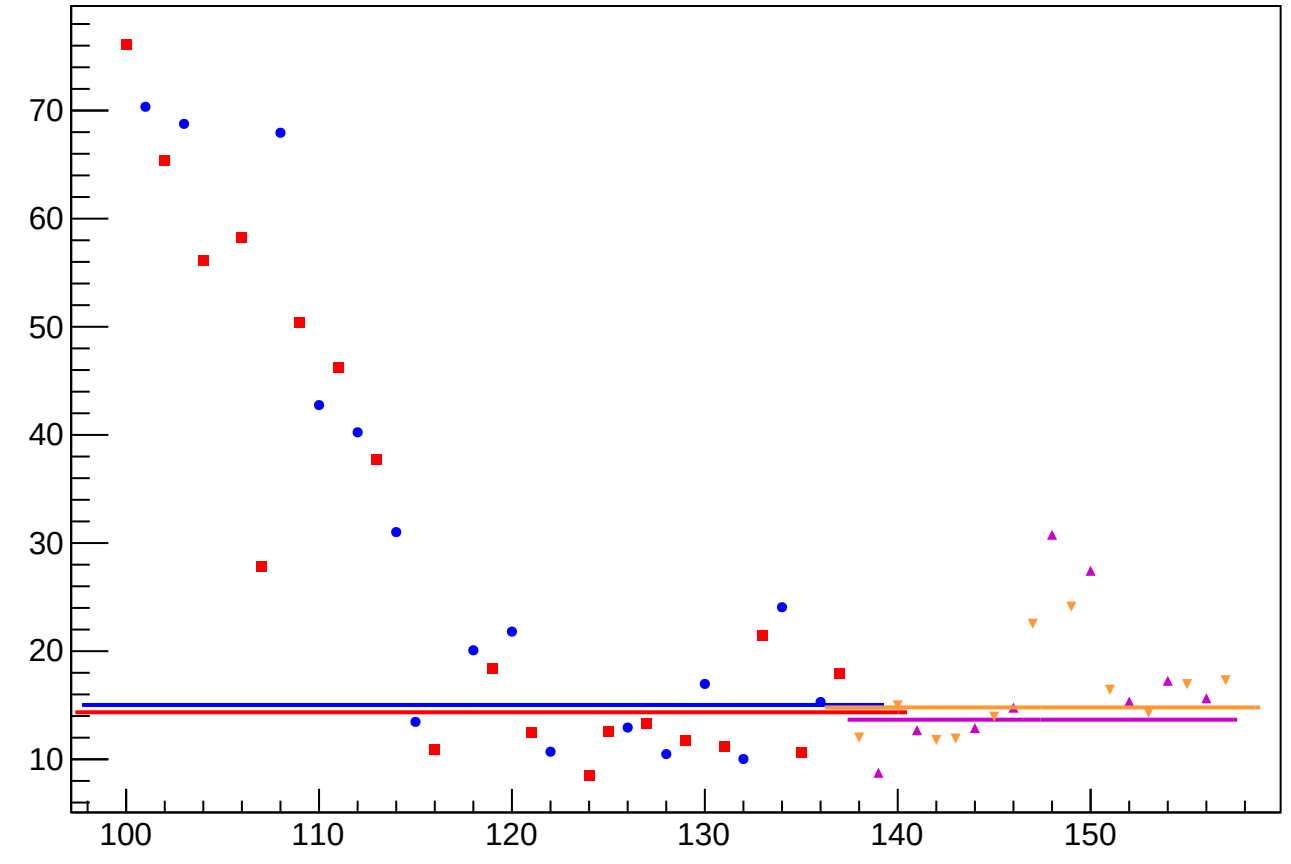
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.007+/-0.005 χ^2/NDF:15.2/8

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.005+/-0.003 χ^2/NDF: 58.6/54

- sign 0.008+/-0.004 χ^2/NDF: 27.9/27



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

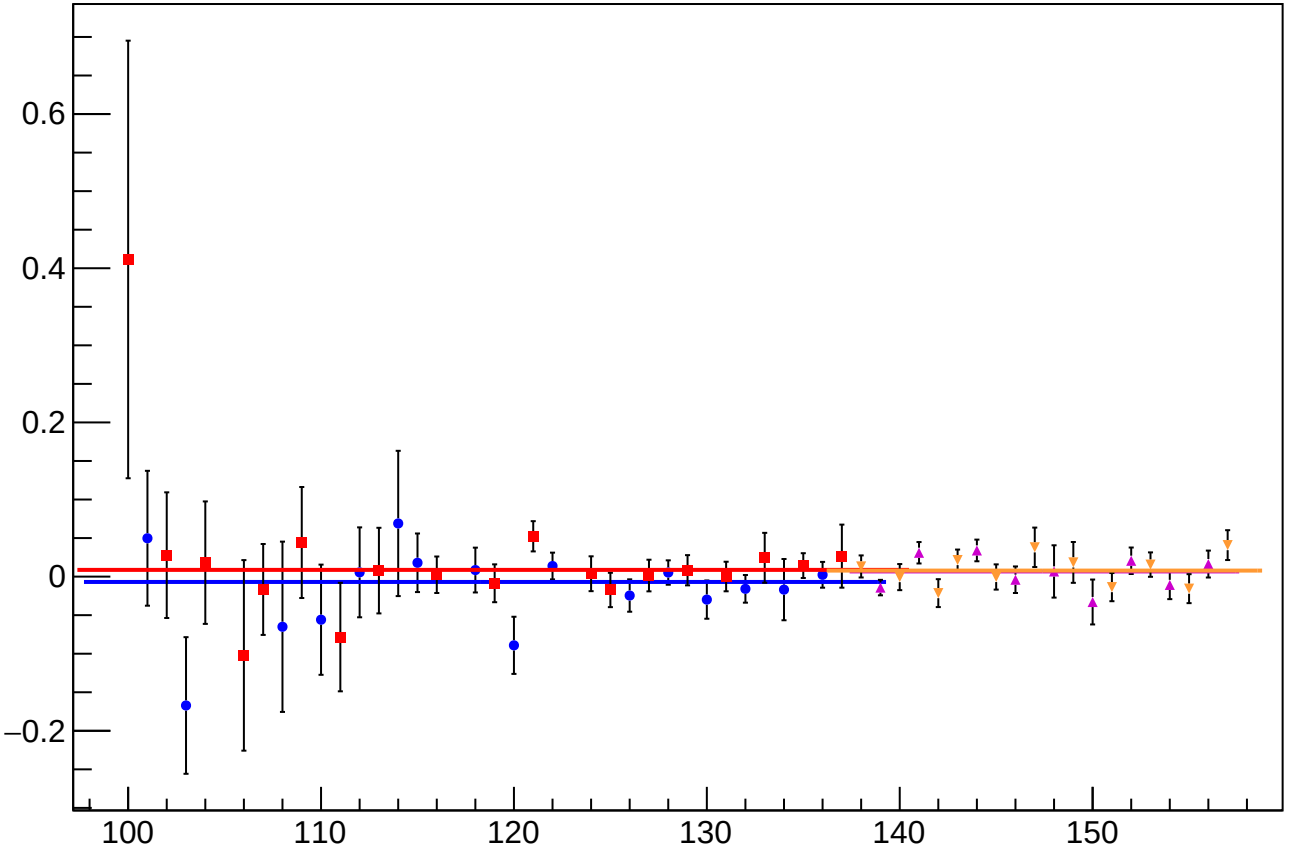
Left In: 13.664+/-0.004 χ^2/NDF:1578449.4/8

+ sign 14.885+/-0.003 χ^2/NDF: 4174151.0/26

All: 14.408+/-0.002 χ^2/NDF: 9447142.8/54

- sign 13.945+/-0.003 χ^2/NDF: 5220998.2/27

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

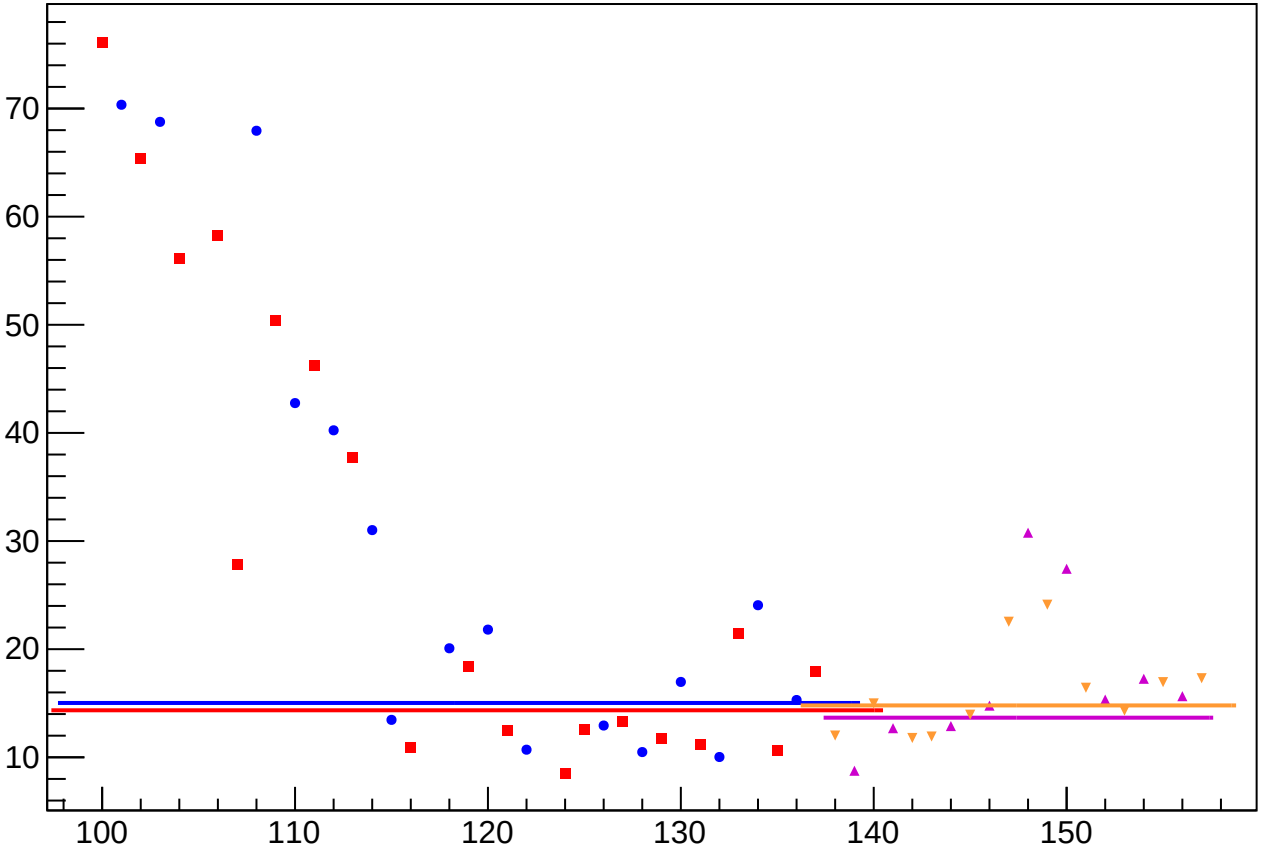
Left In: 0.007+/-0.005 χ^2/NDF:15.2/8

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.005+/-0.003 χ^2/NDF: 58.6/54

- sign 0.008+/-0.004 χ^2/NDF: 27.9/27

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.798+/-0.004 χ^2/NDF:734478.5/10

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

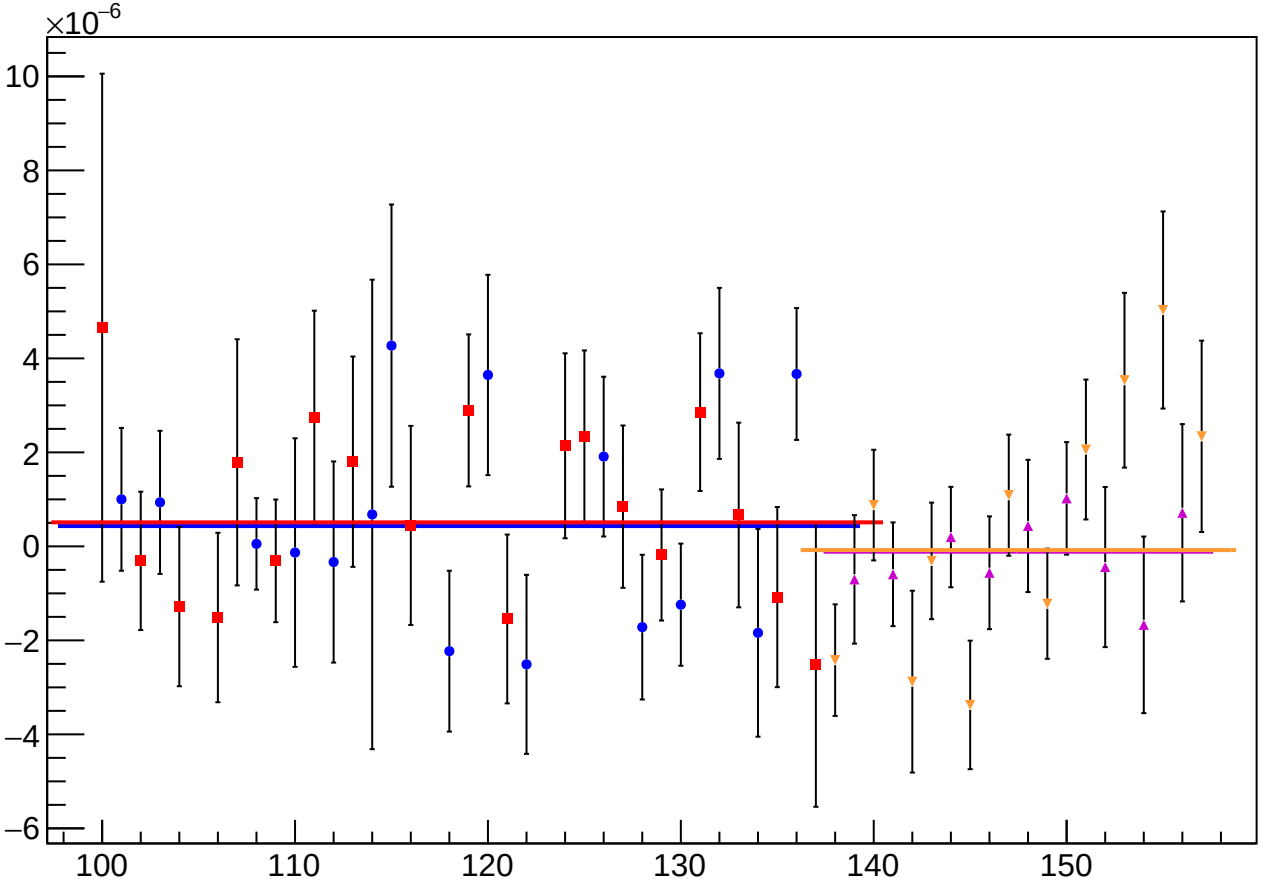
Left In: 13.664+/-0.004 χ^2/NDF:1578449.4/8

+ sign 14.885+/-0.003 χ^2/NDF: 4174151.0/26

All: 14.408+/-0.002 χ^2/NDF: 9447142.8/54

- sign 13.945+/-0.003 χ^2/NDF: 5220998.2/27

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.4/10

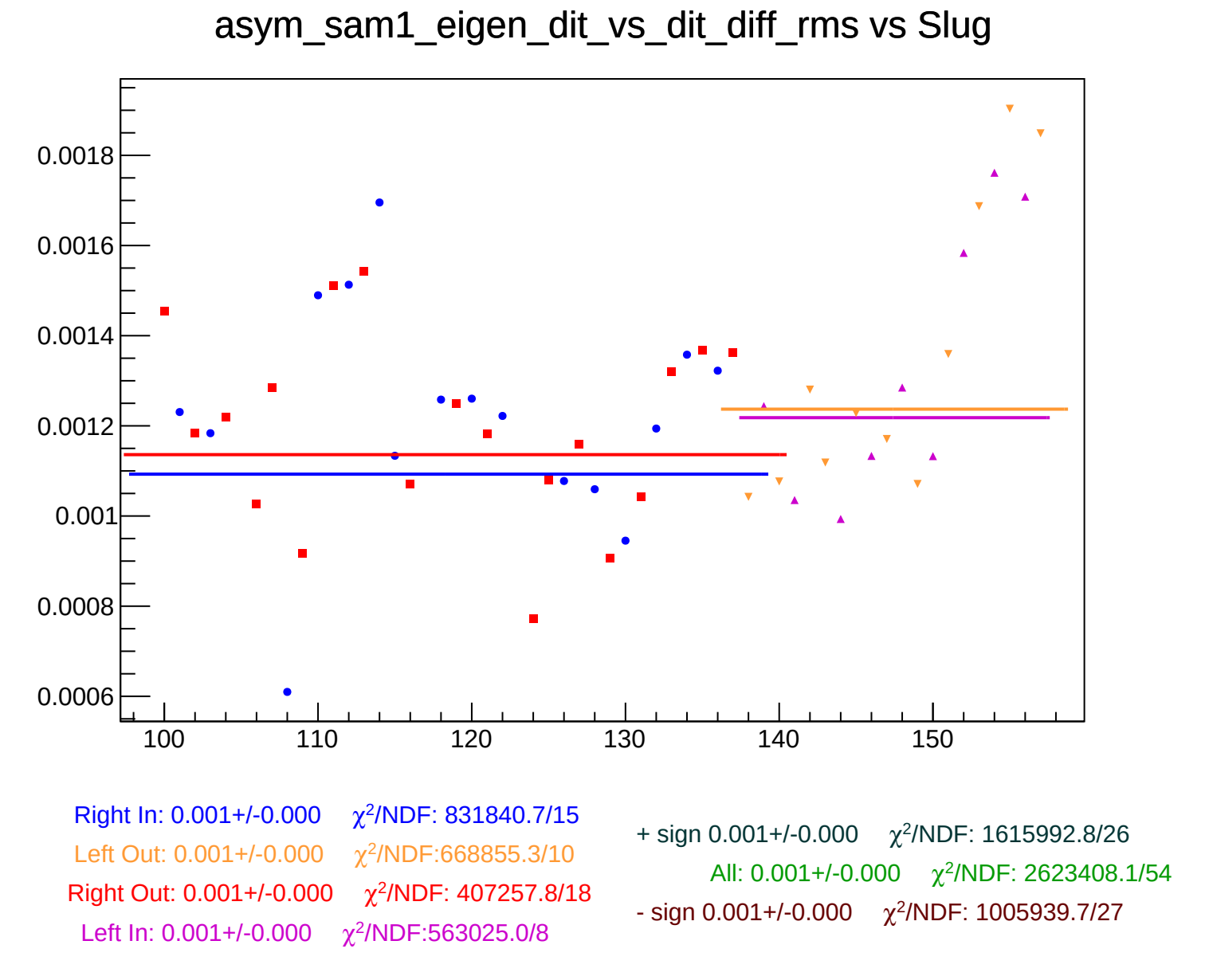
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/8

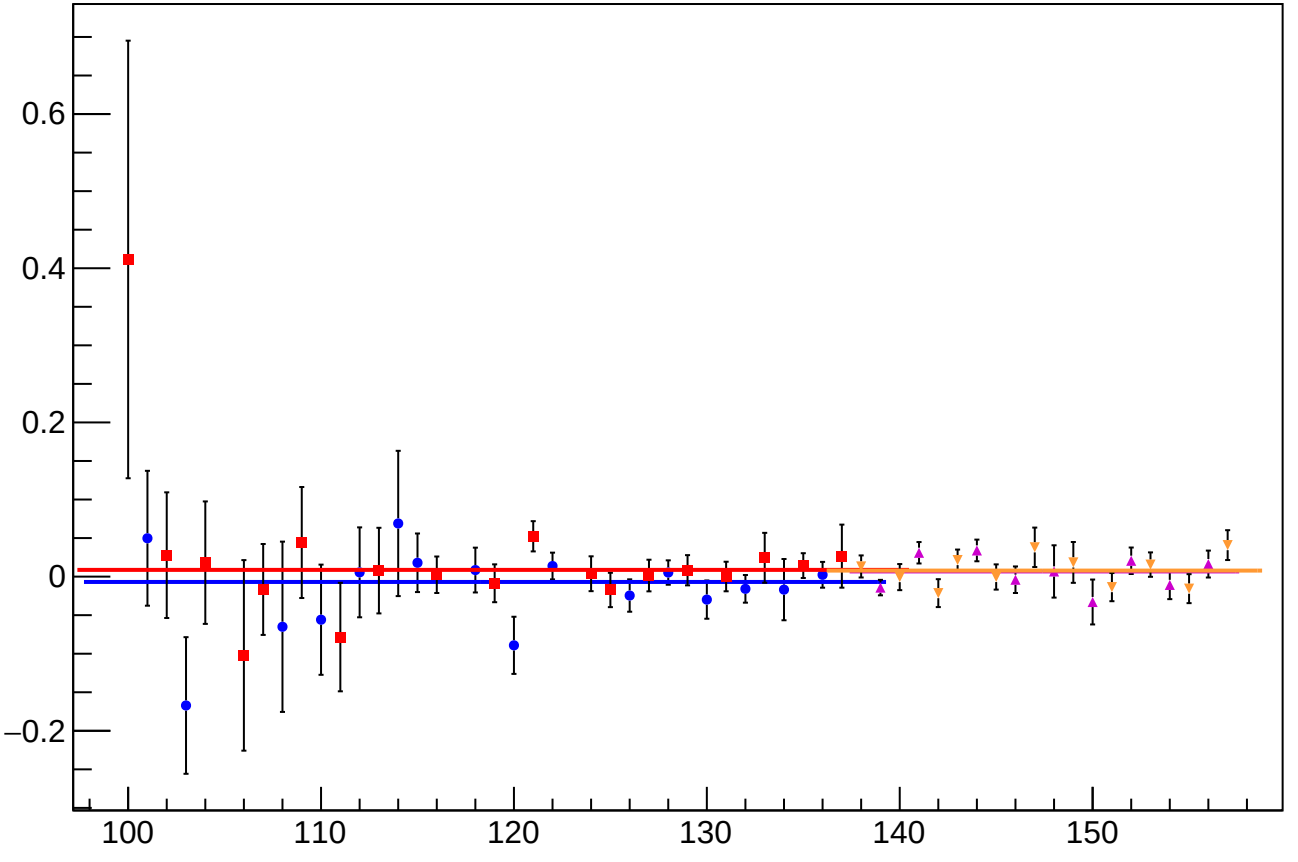
+ sign 0.000+/-0.000 χ^2/NDF: 51.4/26

All: 0.000+/-0.000 χ^2/NDF: 69.3/54

- sign 0.000+/-0.000 χ^2/NDF: 17.9/27


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:668855.3/10
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:563025.0/8
+ sign 0.001+/-0.000 χ²/NDF: 1615992.8/26
All: 0.001+/-0.000 χ²/NDF: 2623408.1/54
- sign 0.001+/-0.000 χ²/NDF: 1005939.7/27

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

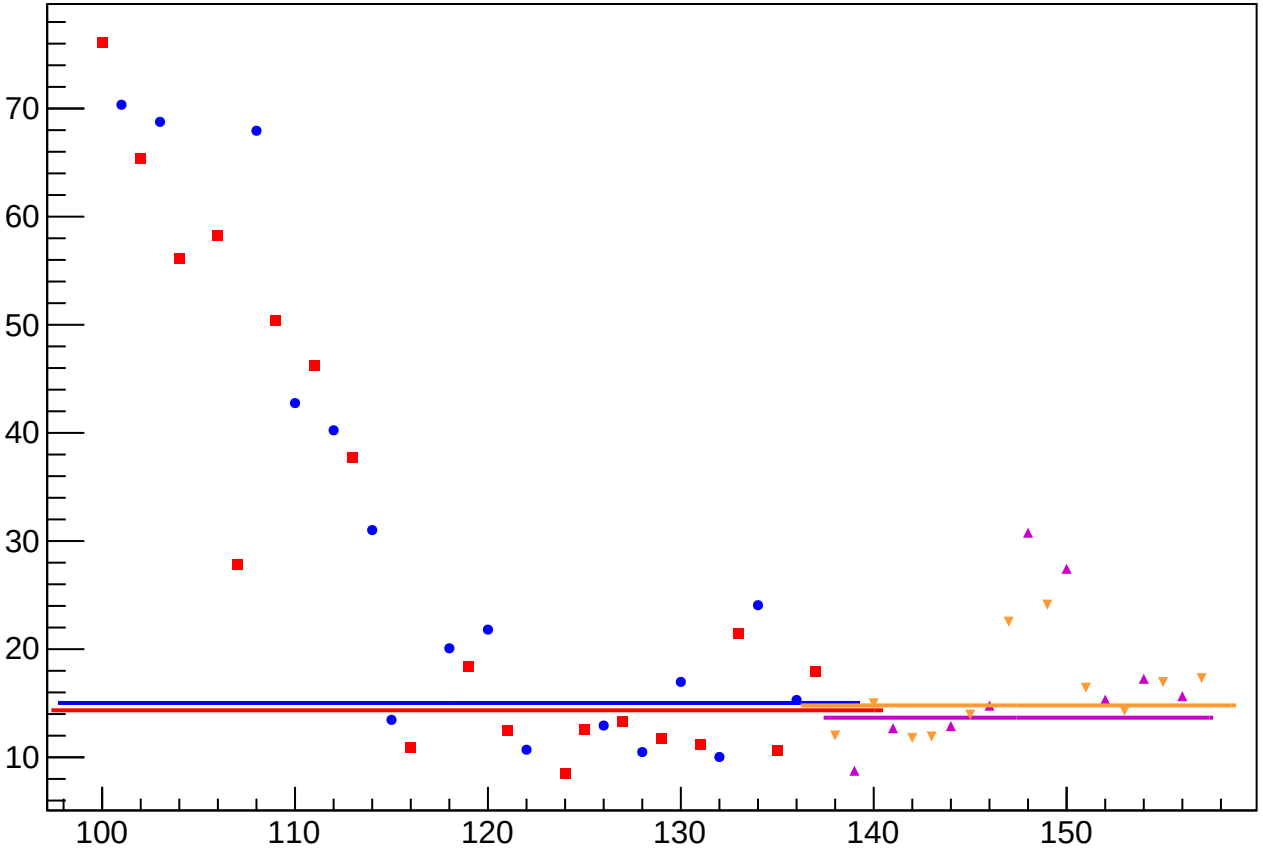
Left In: 0.007+/-0.005 χ^2/NDF:15.2/8

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.005+/-0.003 χ^2/NDF: 58.6/54

- sign 0.008+/-0.004 χ^2/NDF: 27.9/27

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

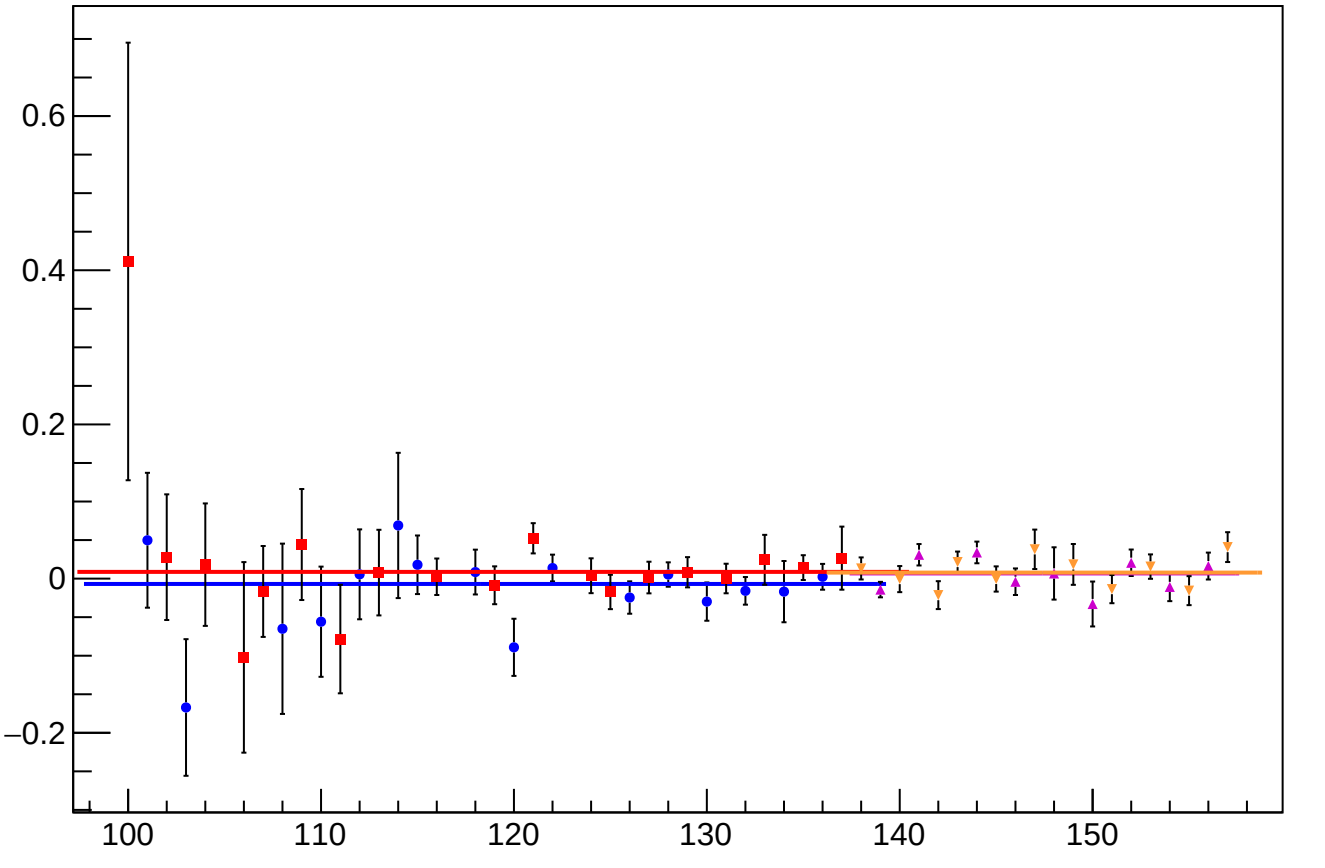
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.664+/-0.004 χ^2/NDF:1578485.1/8

+ sign 14.885+/-0.003 χ^2/NDF: 4174168.3/26

All: 14.408+/-0.002 χ^2/NDF: 9447182.6/54

- sign 13.945+/-0.003 χ^2/NDF: 5221019.3/27



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.005 χ^2/NDF:11.9/10

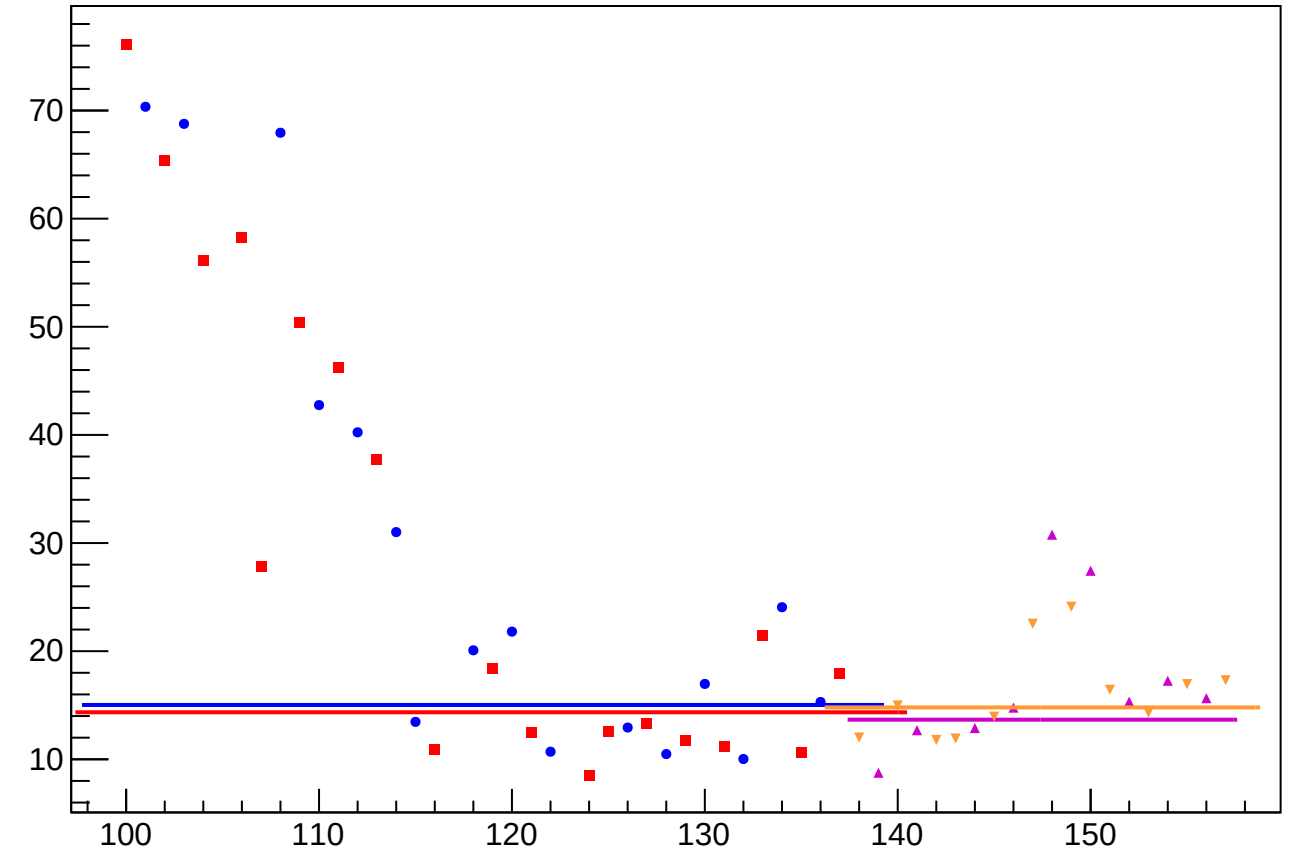
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.007+/-0.005 χ^2/NDF:15.2/8

+ sign 0.002+/-0.004 χ^2/NDF: 29.8/26

All: 0.005+/-0.003 χ^2/NDF: 58.6/54

- sign 0.008+/-0.004 χ^2/NDF: 27.9/27



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.798+/-0.004 χ^2/NDF:734480.9/10

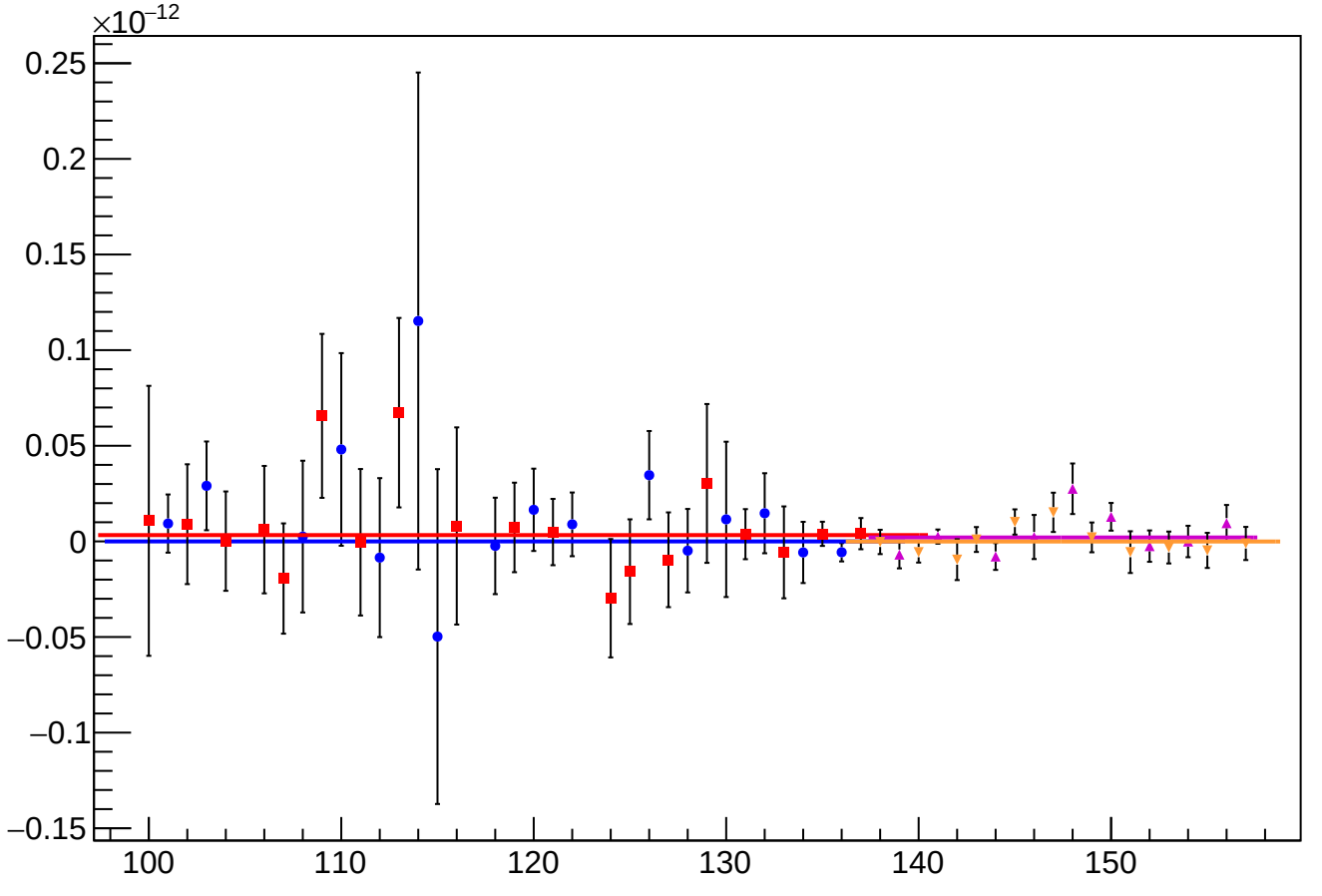
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.664+/-0.004 χ^2/NDF:1578485.1/8

+ sign 14.885+/-0.003 χ^2/NDF: 4174168.3/26

All: 14.408+/-0.002 χ^2/NDF: 9447182.6/54

- sign 13.945+/-0.003 χ^2/NDF: 5221019.3/27



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

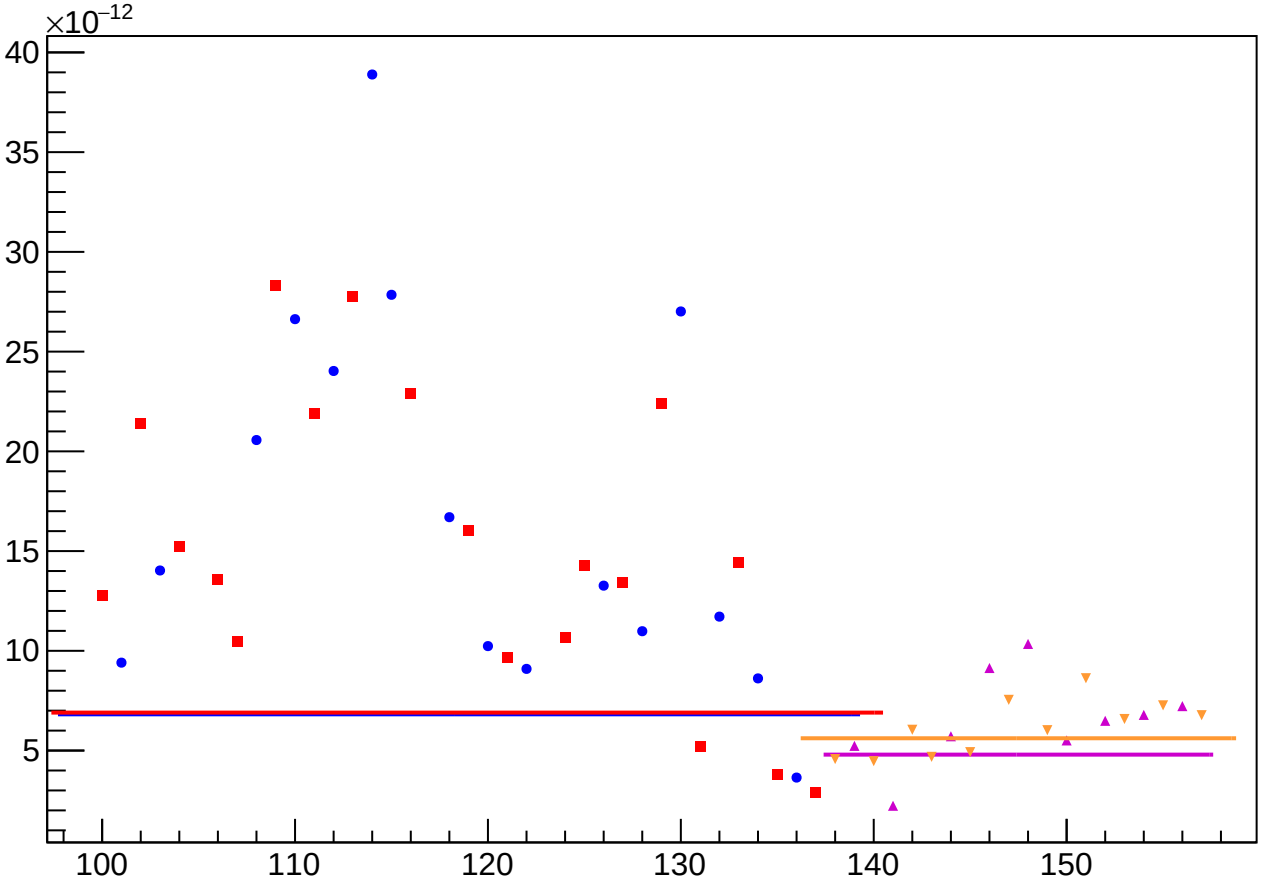
Left In: 0.000+/-0.000 χ^2/NDF:10.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 16.5/26

All: 0.000+/-0.000 χ^2/NDF: 34.8/54

- sign 0.000+/-0.000 χ^2/NDF: 17.6/27

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:564818.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

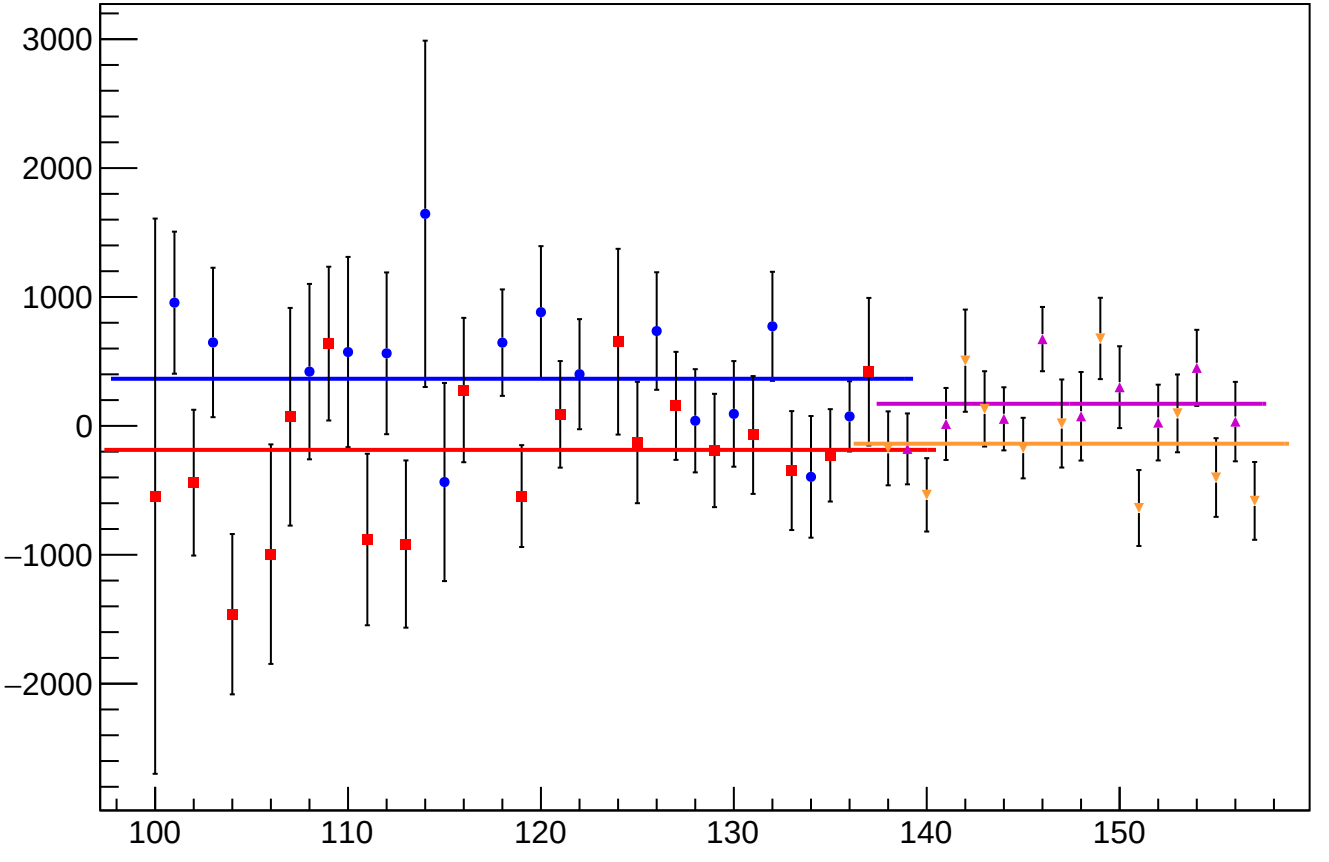
Left In: 0.000+/-0.000 χ^2/NDF:1988645.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 4222788.9/26

All: 0.000+/-0.000 χ^2/NDF: 10968326.7/54

- sign 0.000+/-0.000 χ^2/NDF: 6653205.2/27

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.238+/-89.972 χ^2/NDF:18.8/10

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

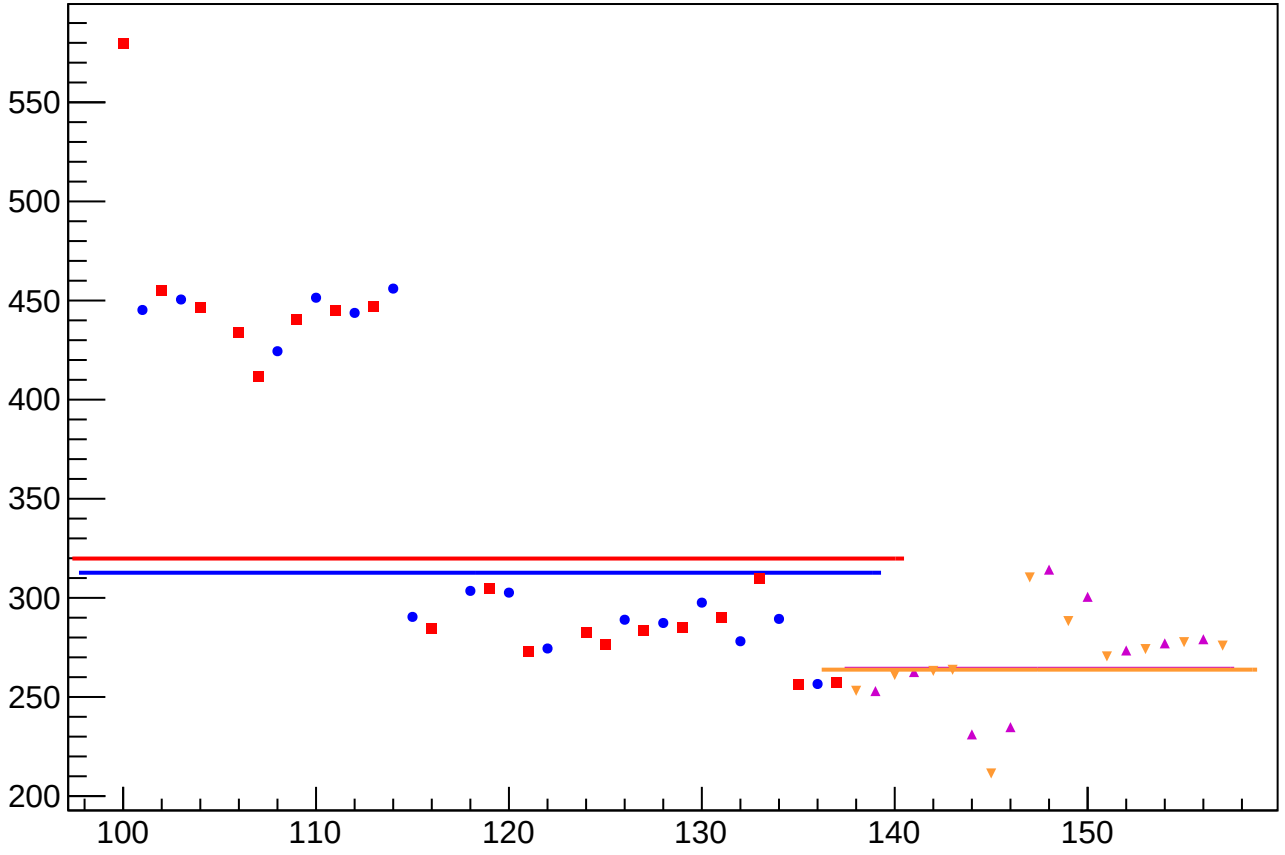
Left In: 171.524+/-95.006 χ^2/NDF:7.8/8

+ sign 45.245+/-71.740 χ^2/NDF: 41.7/26

All: 39.828+/-51.687 χ^2/NDF: 69.9/54

- sign 33.980+/-74.532 χ^2/NDF: 28.3/27

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

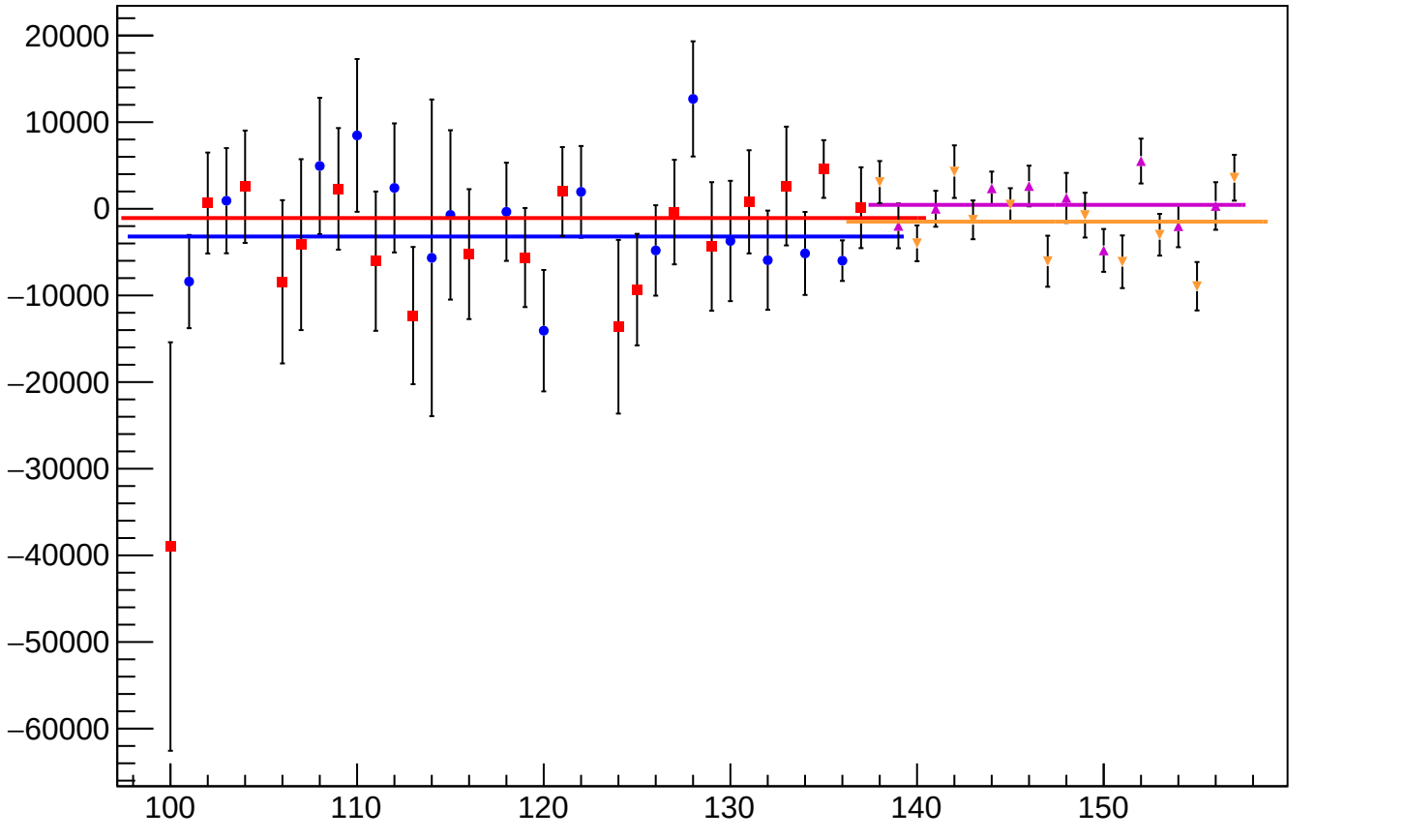
Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 264.236+/-0.067 χ^2/NDF:146844.6/8

\+ sign 281.597+/-0.051 χ^2/NDF: 979615.3/26

All: 283.532+/-0.037 χ^2/NDF: 2090825.8/54

\- sign 285.619+/-0.053 χ^2/NDF: 1108187.8/27



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1483.436+/-743.927 χ^2/NDF:25.7/10

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

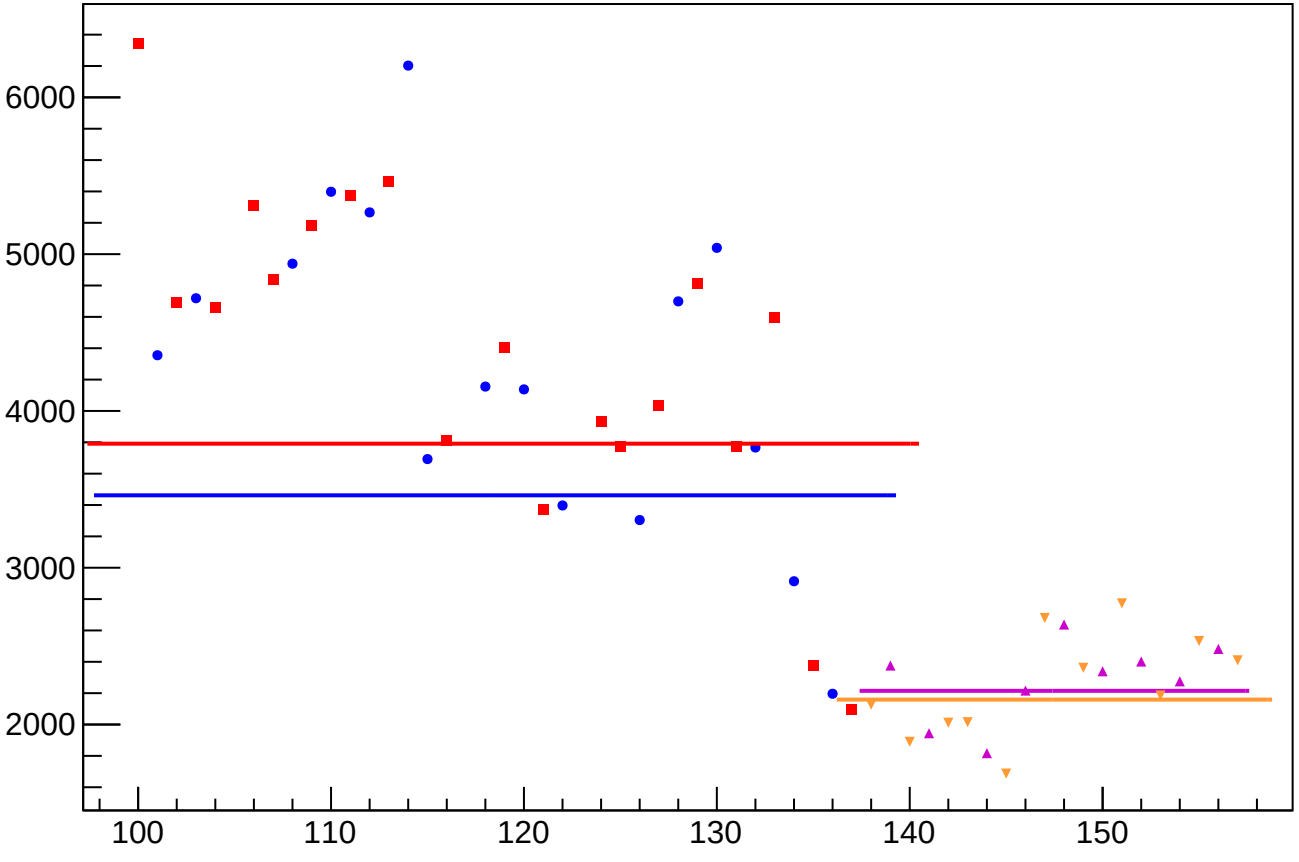
Left In: 452.942+/-798.775 χ^2/NDF:12.2/8

+ sign -1881.258+/-651.977 χ^2/NDF: 43.0/26

All: -960.828+/-476.739 χ^2/NDF: 74.7/54

- sign 96.814+/-698.886 χ^2/NDF: 27.4/27

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2158.976+/-0.526 χ^2/NDF:381707.6/10

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

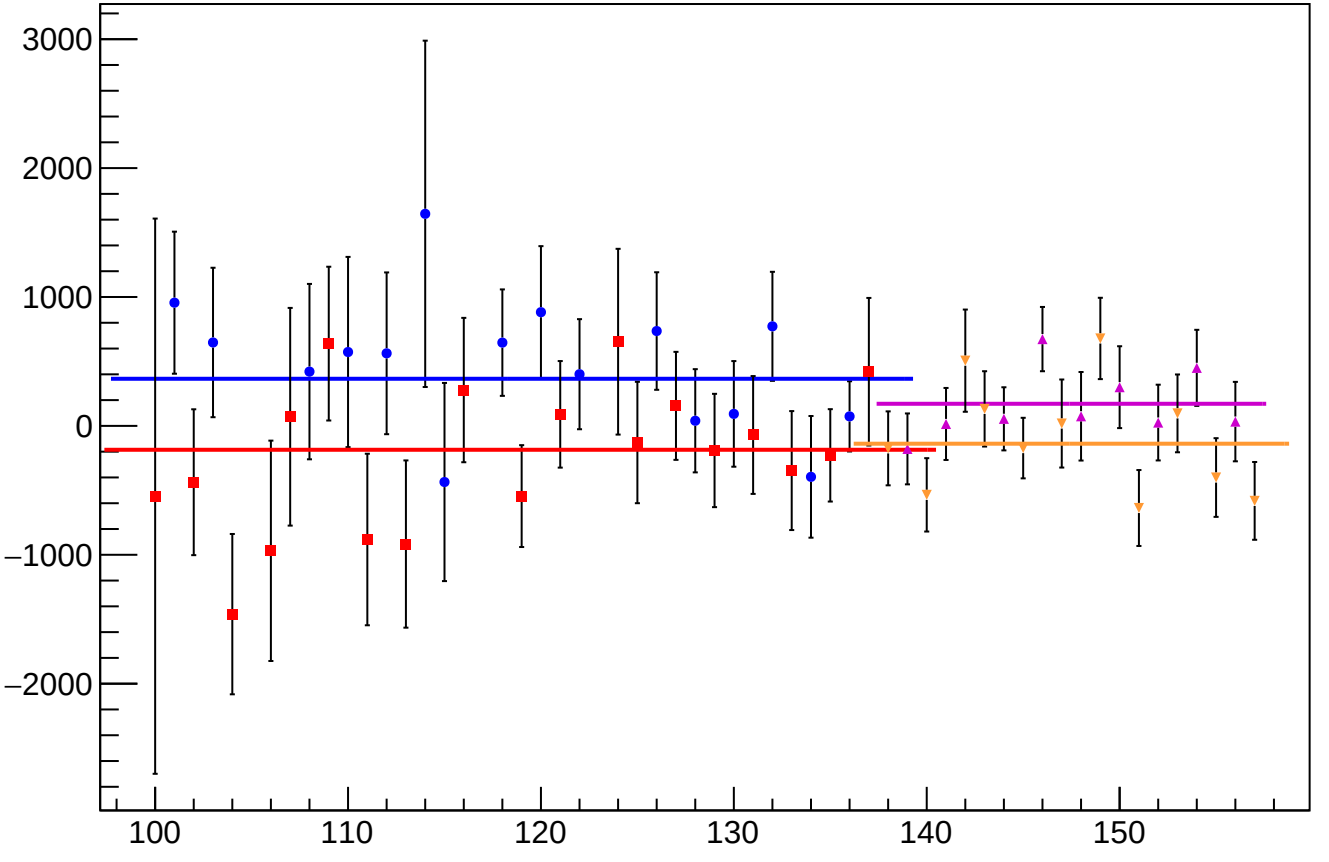
Left In: 2214.812+/-0.565 χ^2/NDF:205417.1/8

+ sign 2461.162+/-0.461 χ^2/NDF: 3114182.3/26

All: 2518.519+/-0.337 χ^2/NDF: 6335014.5/54

- sign 2584.426+/-0.494 χ^2/NDF: 3187567.2/27

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

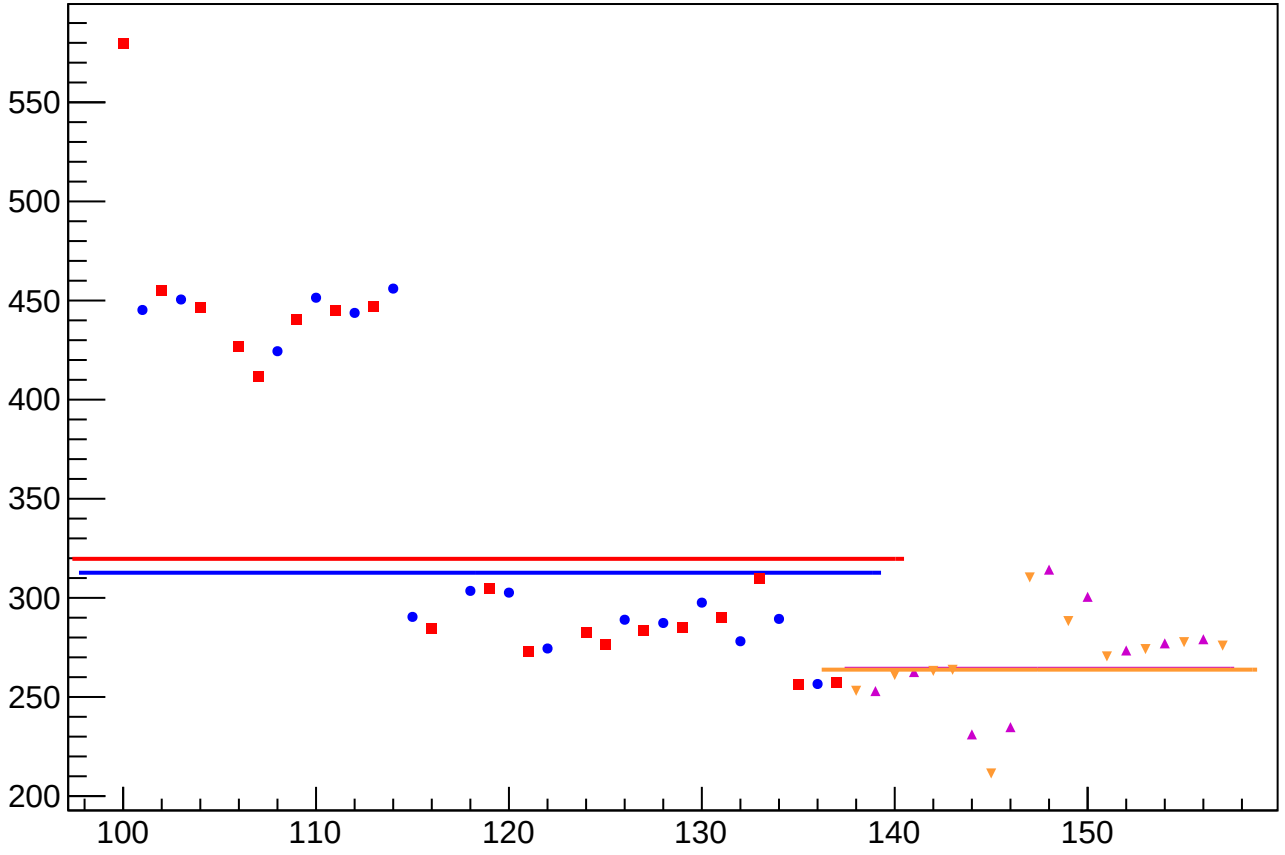
Left In: 171.522+/-95.006 χ^2/NDF:7.8/8

+ sign 45.248+/-71.740 χ^2/NDF: 41.7/26

All: 39.986+/-51.688 χ^2/NDF: 69.8/54

- sign 34.306+/-74.535 χ^2/NDF: 28.2/27

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

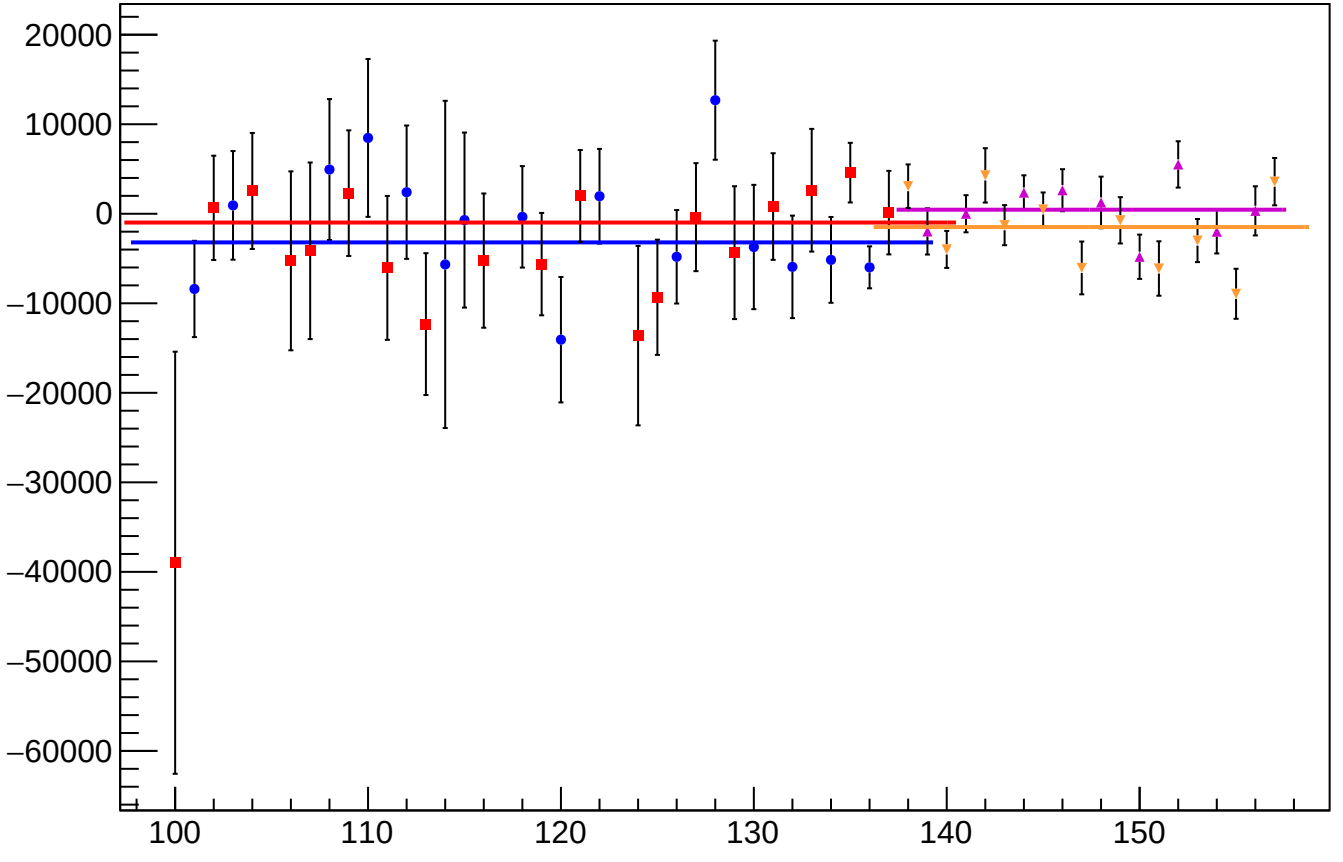
Left In: 264.236+/-0.067 χ^2/NDF:146844.6/8

\+ sign 281.597+/-0.051 χ^2/NDF: 979616.9/26

All: 283.503+/-0.037 χ^2/NDF: 2085142.9/54

\- sign 285.560+/-0.053 χ^2/NDF: 1102592.1/27

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

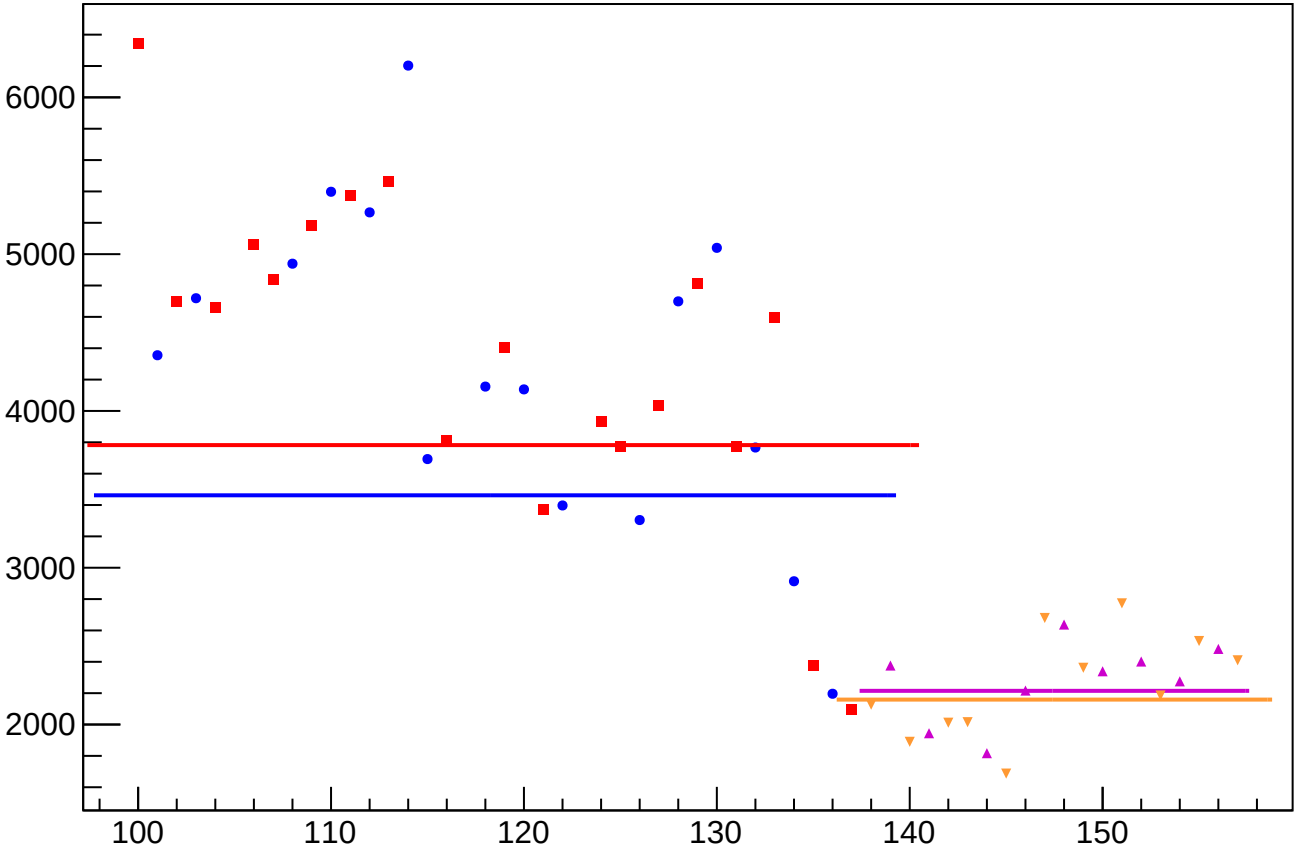
Left In: 452.935+/-798.775 χ^2/NDF:12.2/8

\+ sign -1881.236+/-651.977 χ^2/NDF: 43.0/26

All: -951.536+/-476.809 χ^2/NDF: 74.3/54

\- sign 117.428+/-699.105 χ^2/NDF: 26.9/27

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

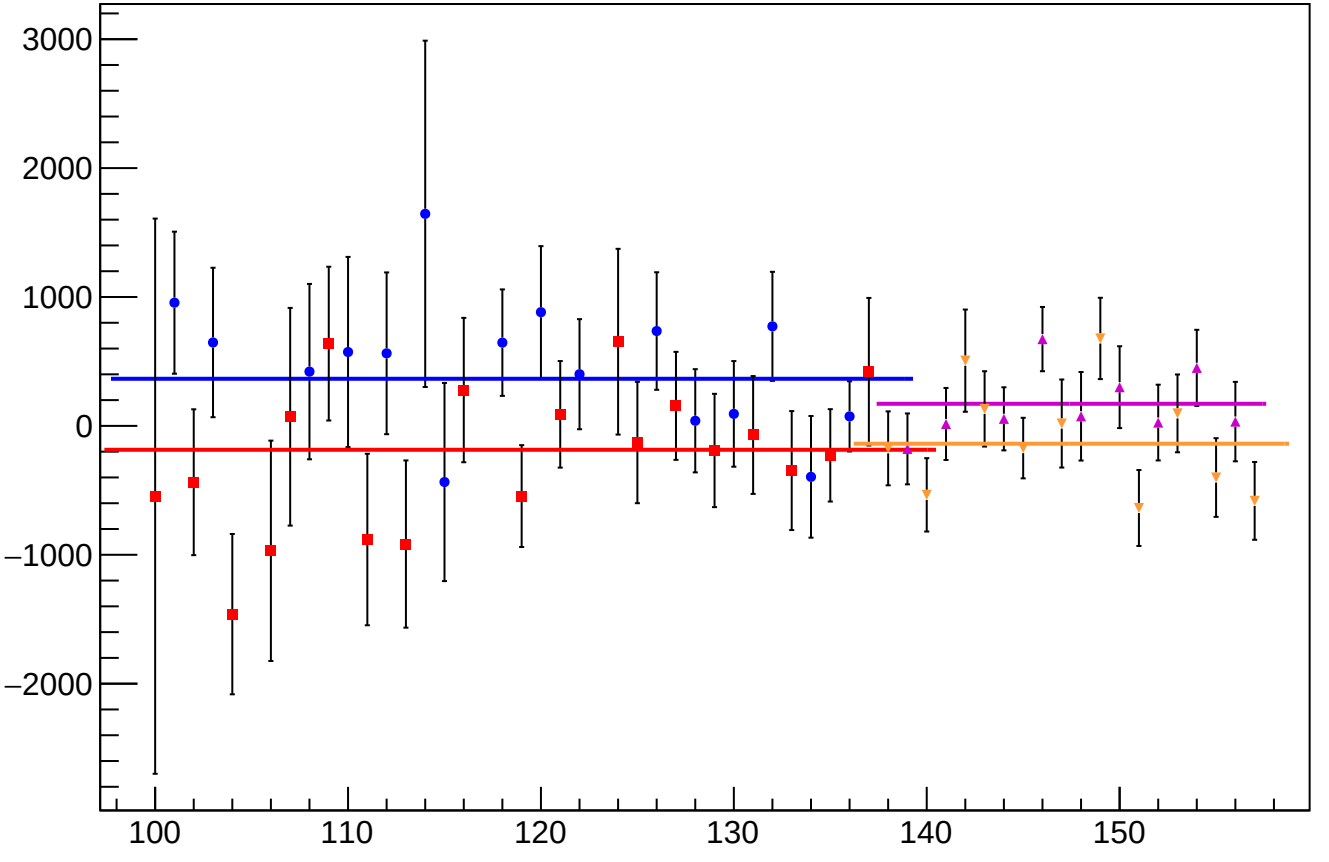
Left In: 2214.813+/-0.565 χ^2/NDF:205417.3/8

+ sign 2461.162+/-0.461 χ^2/NDF: 3114205.6/26

All: 2517.164+/-0.337 χ^2/NDF: 6289507.0/54

- sign 2581.554+/-0.494 χ^2/NDF: 3143578.9/27

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -138.225+/-89.972 χ^2/NDF:18.8/10

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

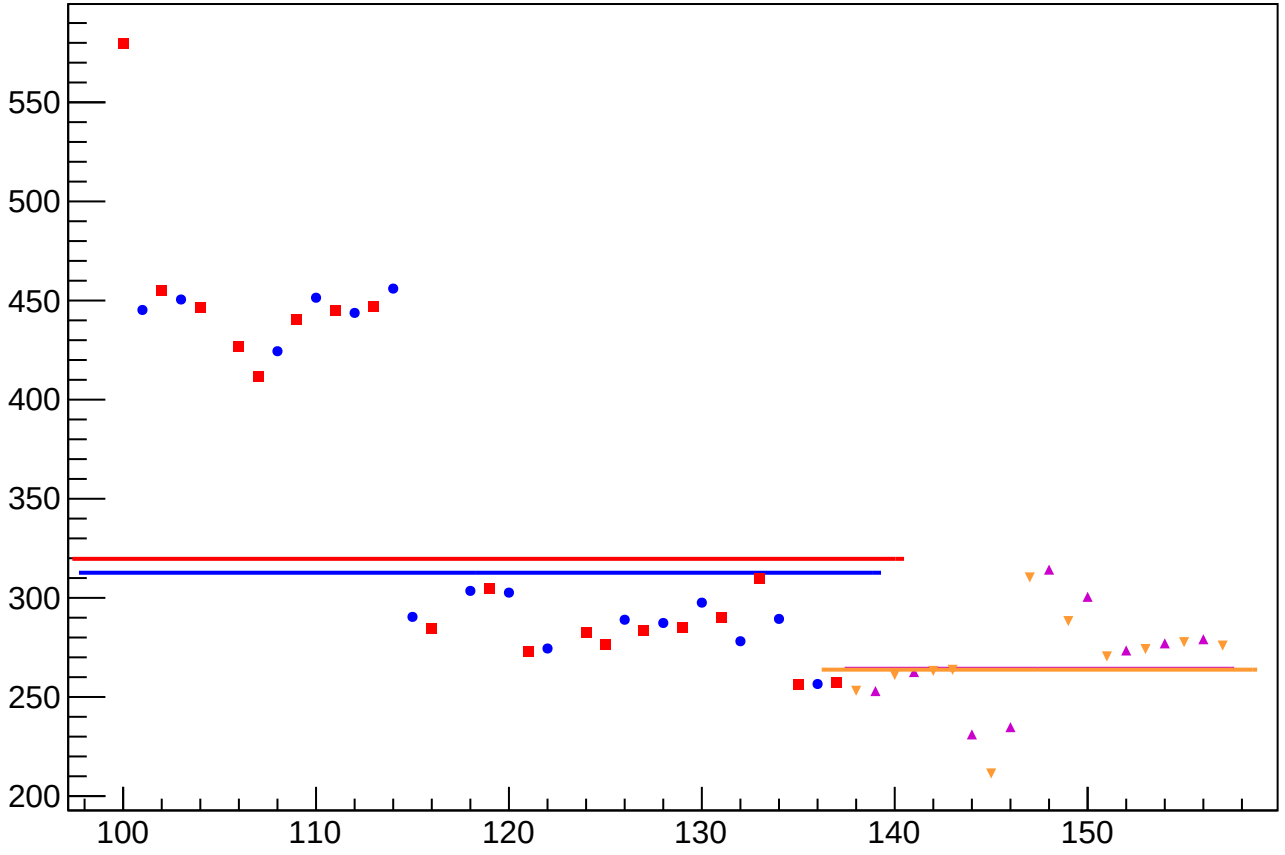
Left In: 171.522+/-95.006 χ^2/NDF:7.8/8

+ sign 45.248+/-71.740 χ^2/NDF: 41.7/26

All: 39.986+/-51.688 χ^2/NDF: 69.8/54

- sign 34.306+/-74.535 χ^2/NDF: 28.2/27

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 263.790+/-0.064 χ^2/NDF:162296.6/10

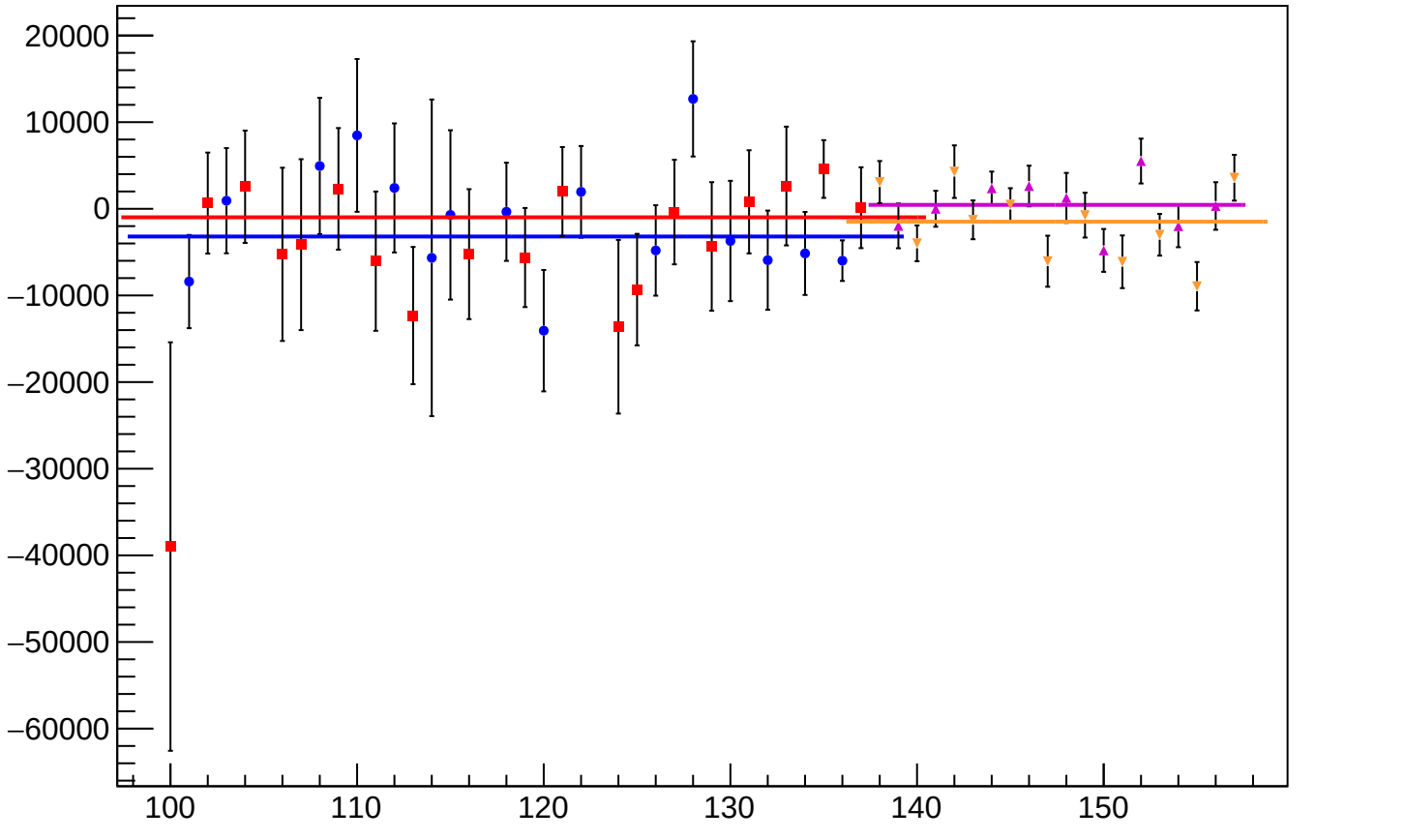
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 264.236+/-0.067 χ^2/NDF:146844.6/8

\+ sign 281.597+/-0.051 χ^2/NDF: 979616.9/26

All: 283.503+/-0.037 χ^2/NDF: 2085142.9/54

\- sign 285.560+/-0.053 χ^2/NDF: 1102592.1/27



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1483.430+/-743.927 χ^2/NDF:25.7/10

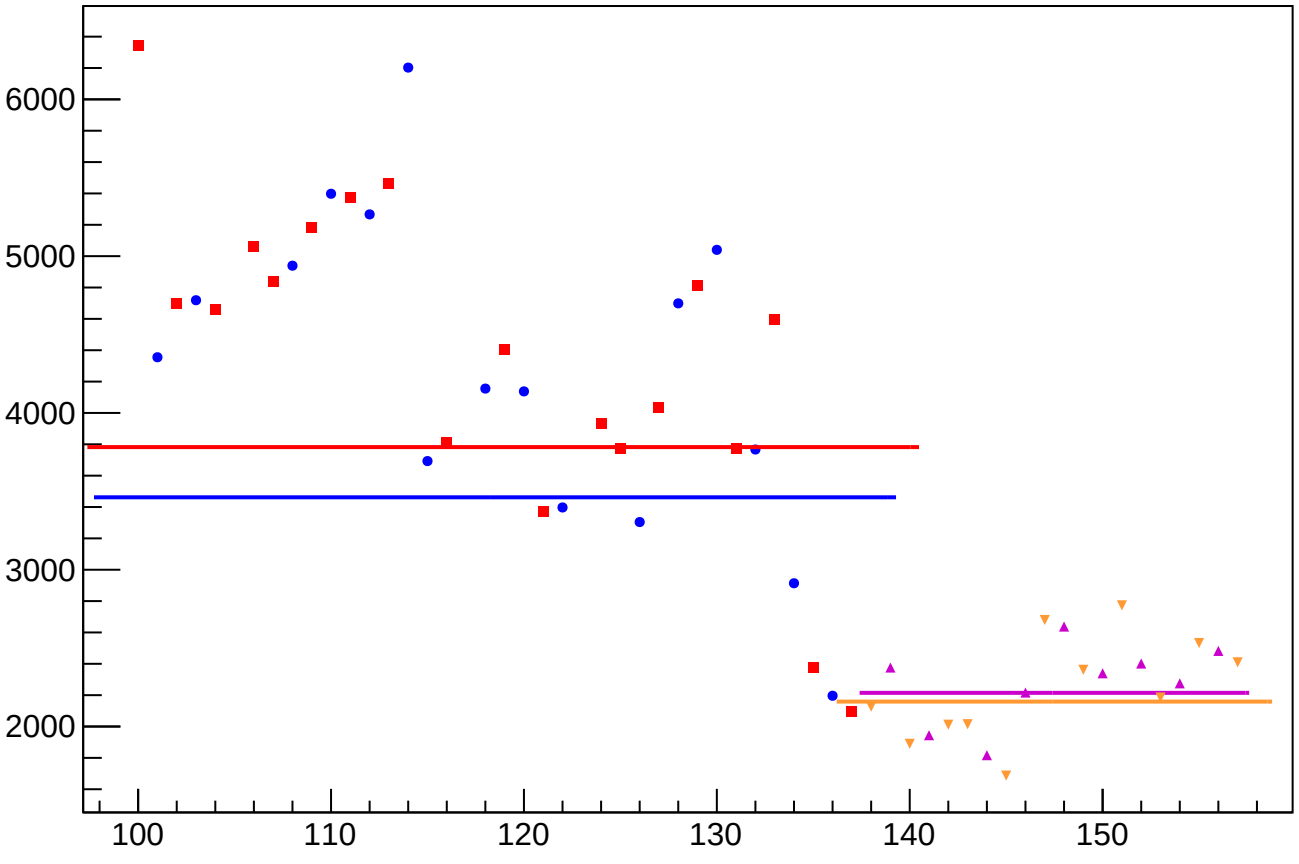
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 452.935+/-798.775 χ^2/NDF:12.2/8

+ sign -1881.236+/-651.977 χ^2/NDF: 43.0/26

All: -951.536+/-476.809 χ^2/NDF: 74.3/54

- sign 117.428+/-699.105 χ^2/NDF: 26.9/27



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2158.975+/-0.526 χ^2/NDF:381709.1/10

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

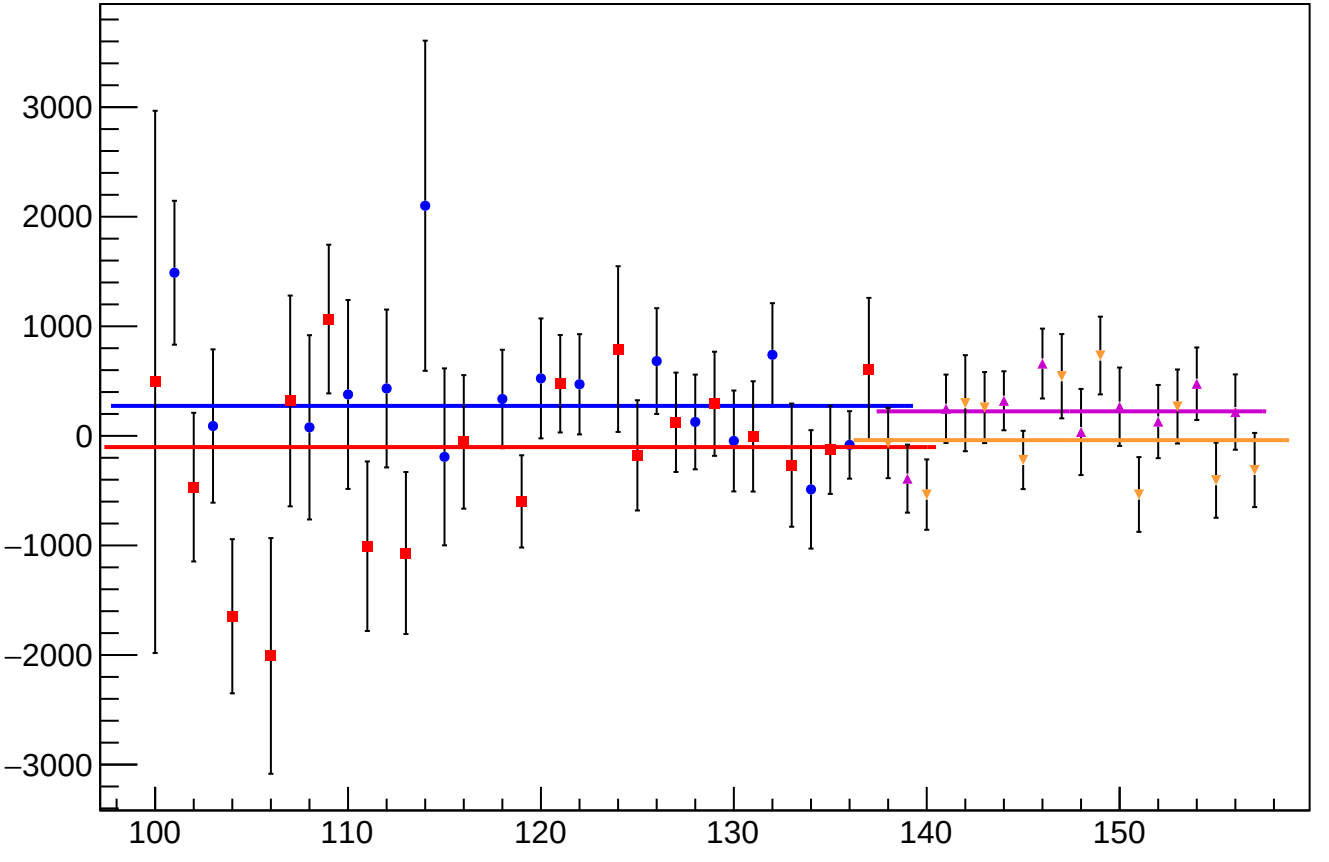
Left In: 2214.813+/-0.565 χ^2/NDF:205417.3/8

+ sign 2461.162+/-0.461 χ^2/NDF: 3114205.6/26

All: 2517.164+/-0.337 χ^2/NDF: 6289507.0/54

- sign 2581.554+/-0.494 χ^2/NDF: 3143578.9/27

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -39.143+/-101.242 χ^2/NDF:16.1/10

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

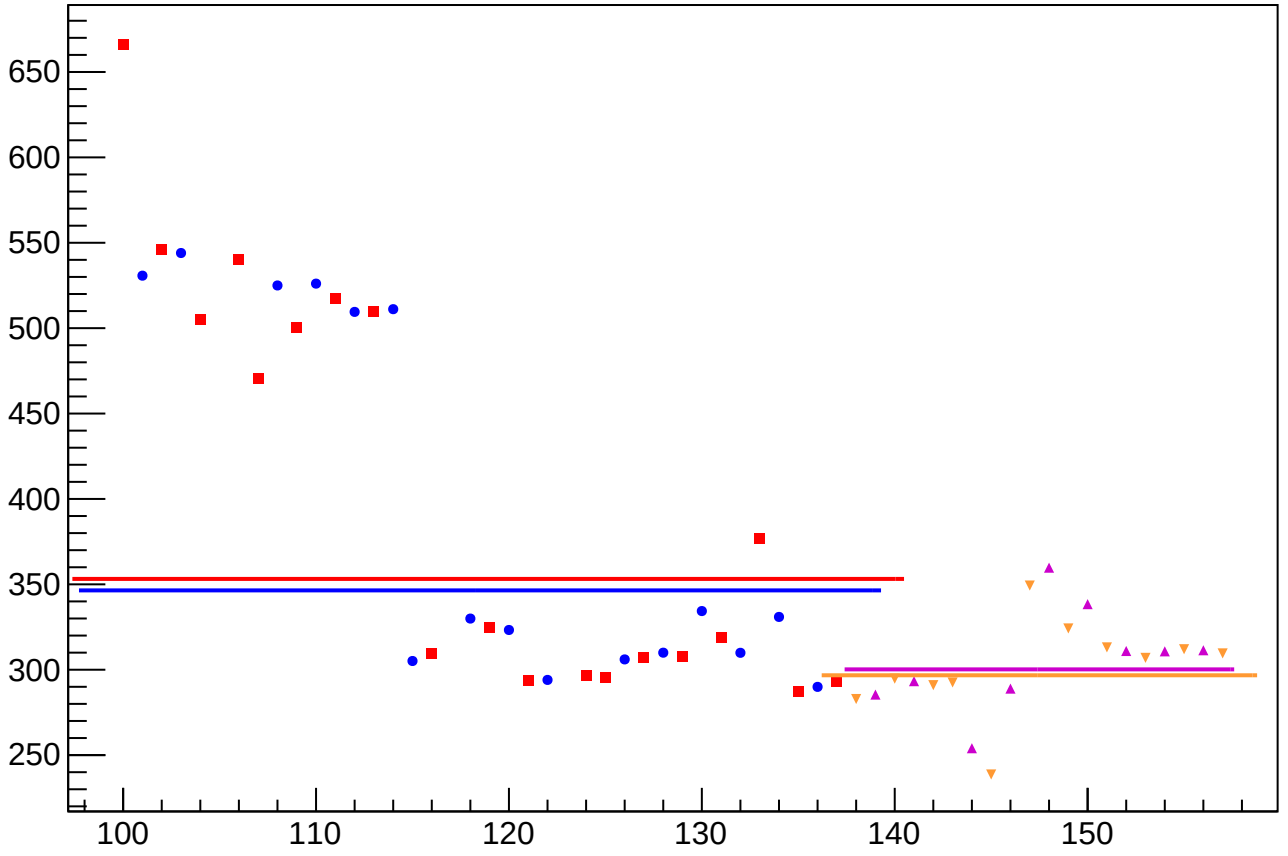
Left In: 223.885+/-108.380 χ^2/NDF:6.8/8

+ sign 76.092+/-80.455 χ^2/NDF: 31.0/26

All: 84.835+/-58.159 χ^2/NDF: 62.8/54

- sign 94.403+/-84.169 χ^2/NDF: 31.7/27

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 296.746+/-0.072 χ^2/NDF:162312.2/10

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

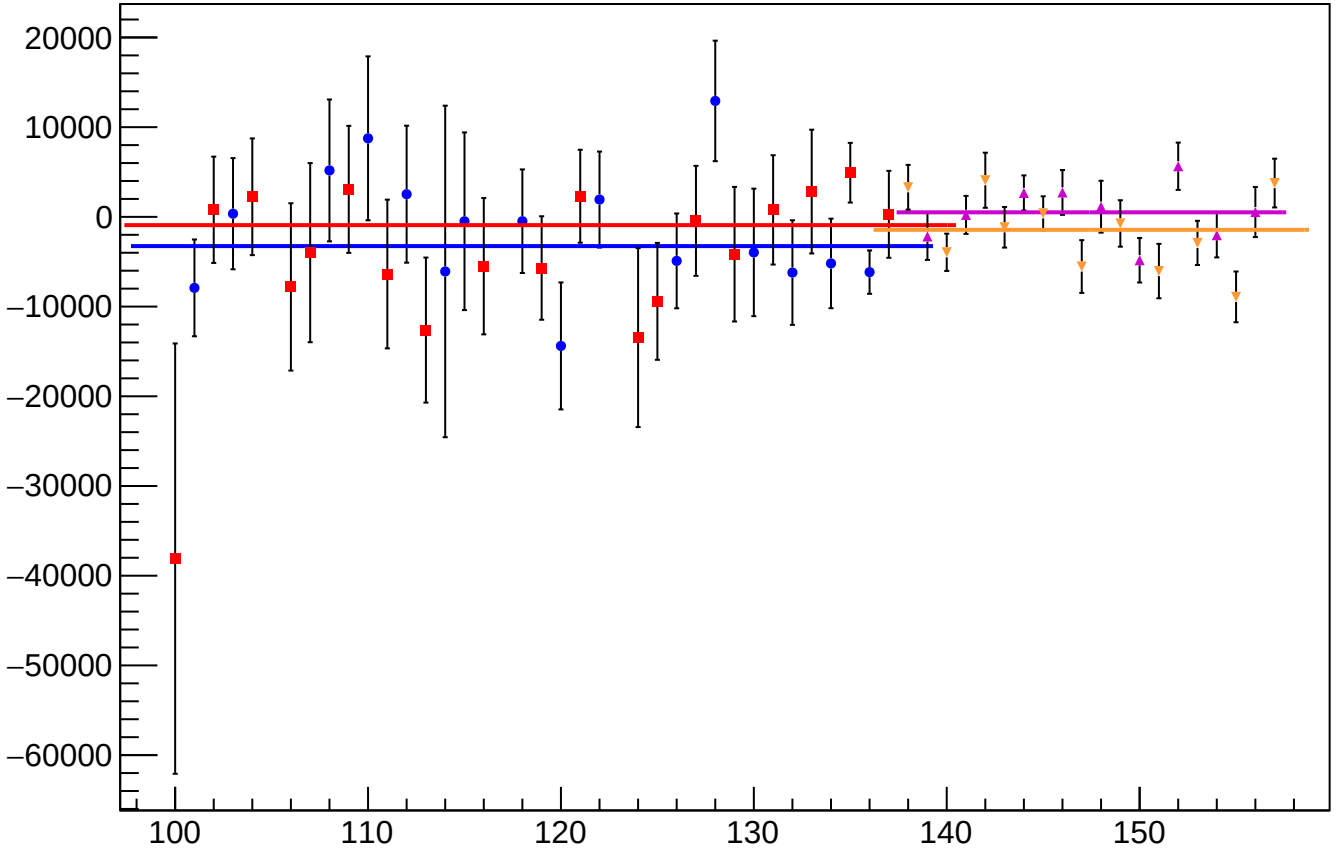
Left In: 300.205+/-0.077 χ^2/NDF:141763.1/8

+ sign 315.063+/-0.057 χ^2/NDF: 1108740.3/26

All: 318.007+/-0.041 χ^2/NDF: 2312094.1/54

- sign 321.229+/-0.060 χ^2/NDF: 1197745.9/27

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1443.615+/-751.825 χ^2/NDF:24.6/10

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

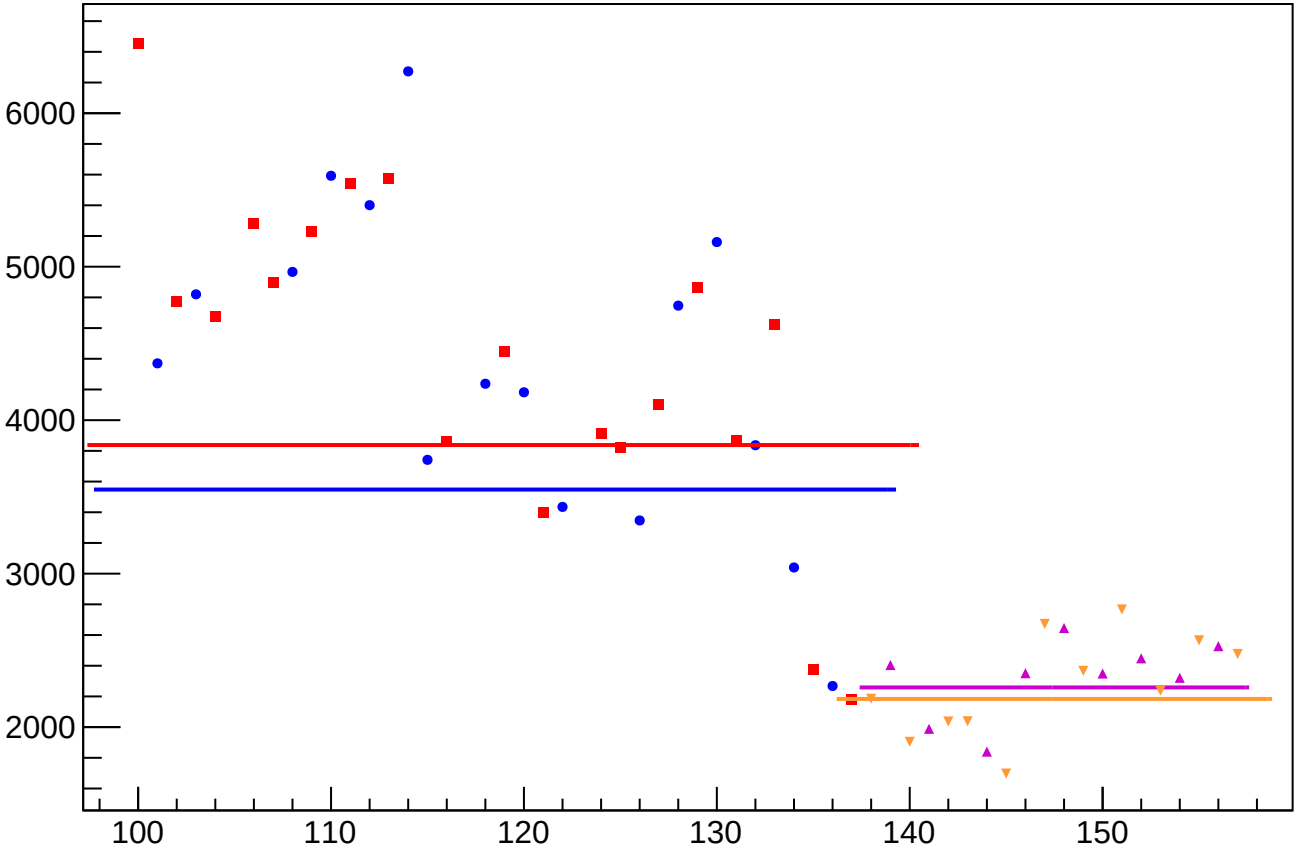
Left In: 506.472+/-814.530 χ^2/NDF:12.6/8

+ sign -1857.159+/-660.657 χ^2/NDF: 41.9/26

All: -919.449+/-484.102 χ^2/NDF: 74.3/54

- sign 167.846+/-711.403 χ^2/NDF: 28.0/27

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2183.743+/-0.532 χ^2/NDF:379864.2/10

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

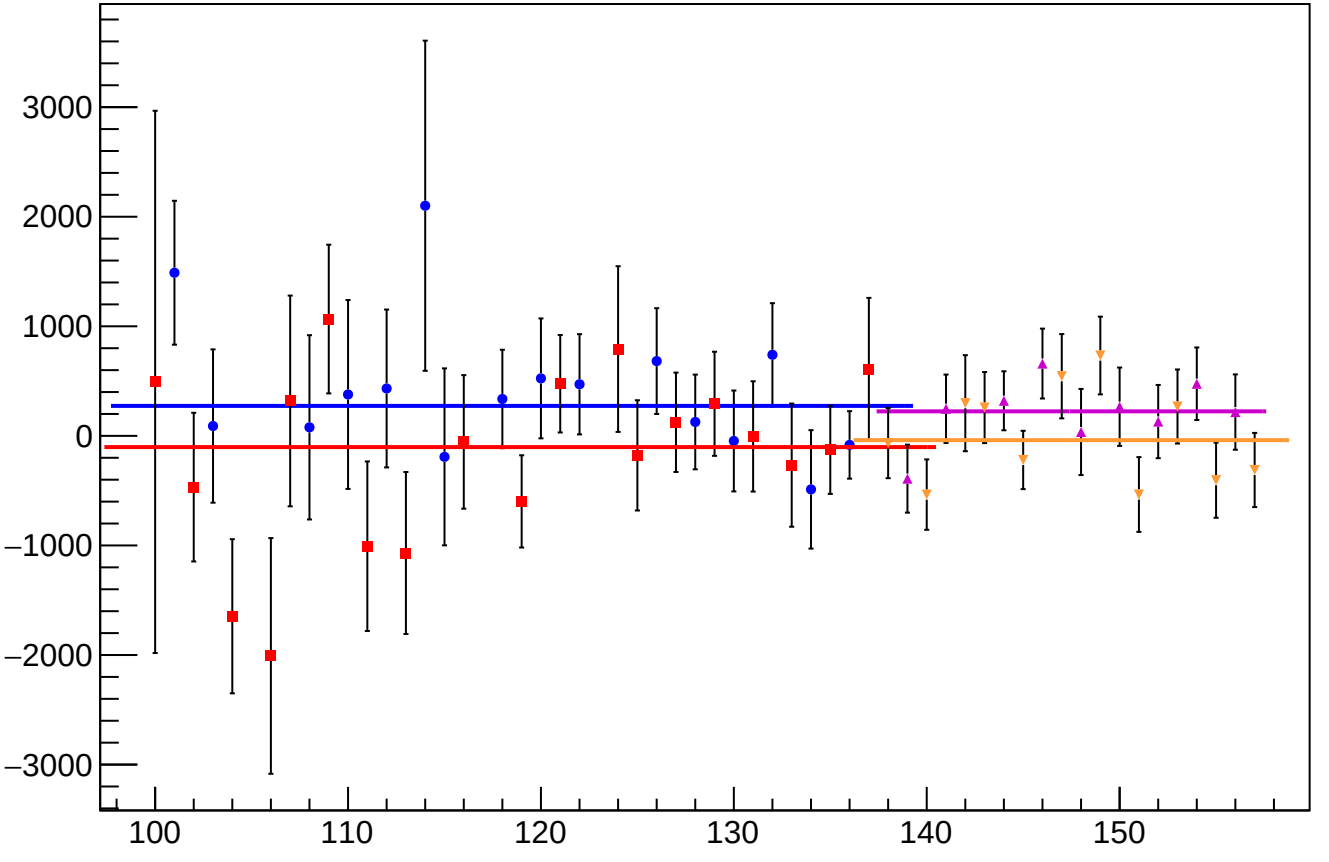
Left In: 2258.607+/-0.576 χ^2/NDF:201456.6/8

+ sign 2494.542+/-0.467 χ^2/NDF: 3138593.3/26

All: 2558.756+/-0.342 χ^2/NDF: 6320184.2/54

- sign 2633.213+/-0.503 χ^2/NDF: 3140787.6/27

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -39.147+/-101.242 χ^2/NDF:16.1/10

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

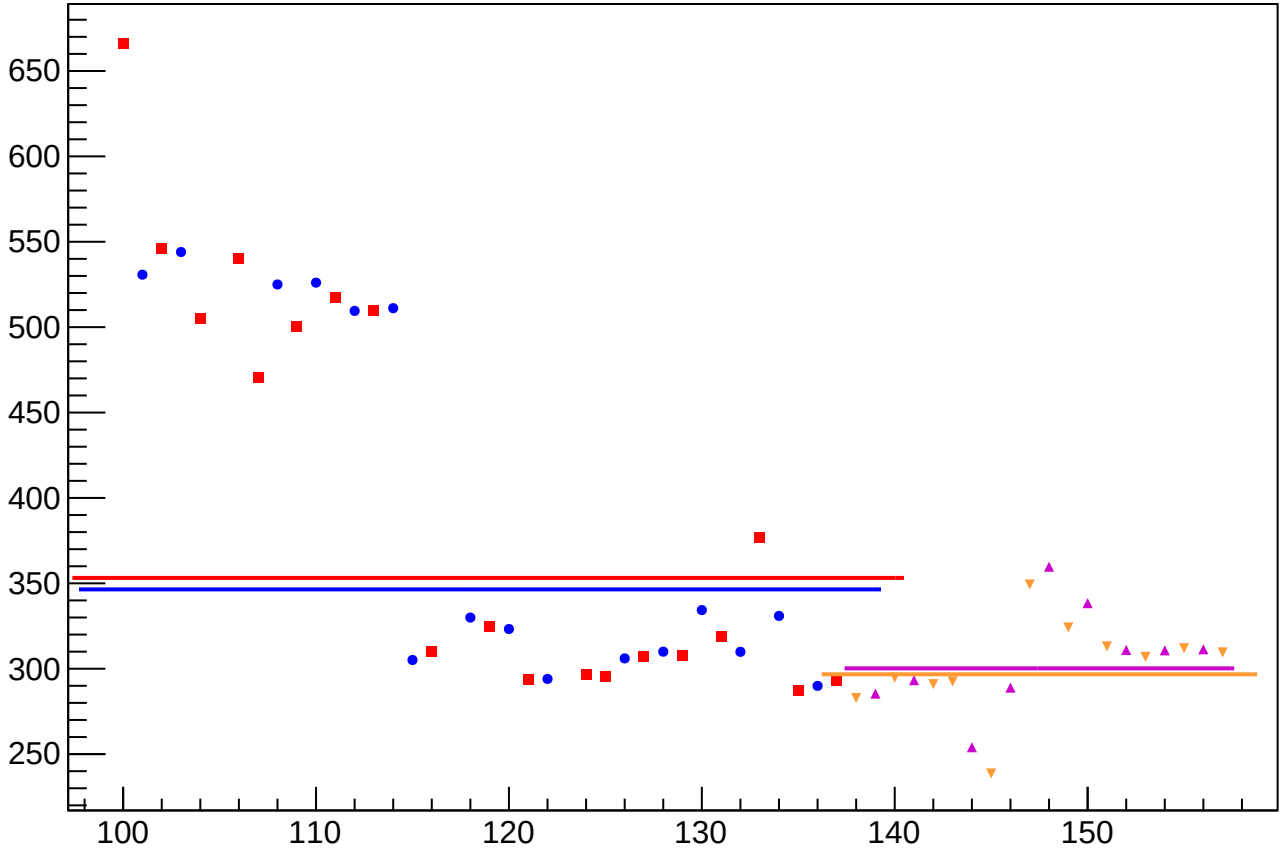
Left In: 223.887+/-108.380 χ^2/NDF:6.8/8

+ sign 76.092+/-80.455 χ^2/NDF: 31.0/26

All: 84.835+/-58.159 χ^2/NDF: 62.8/54

- sign 94.404+/-84.169 χ^2/NDF: 31.7/27

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 296.746+/-0.072 χ^2/NDF:162315.7/10

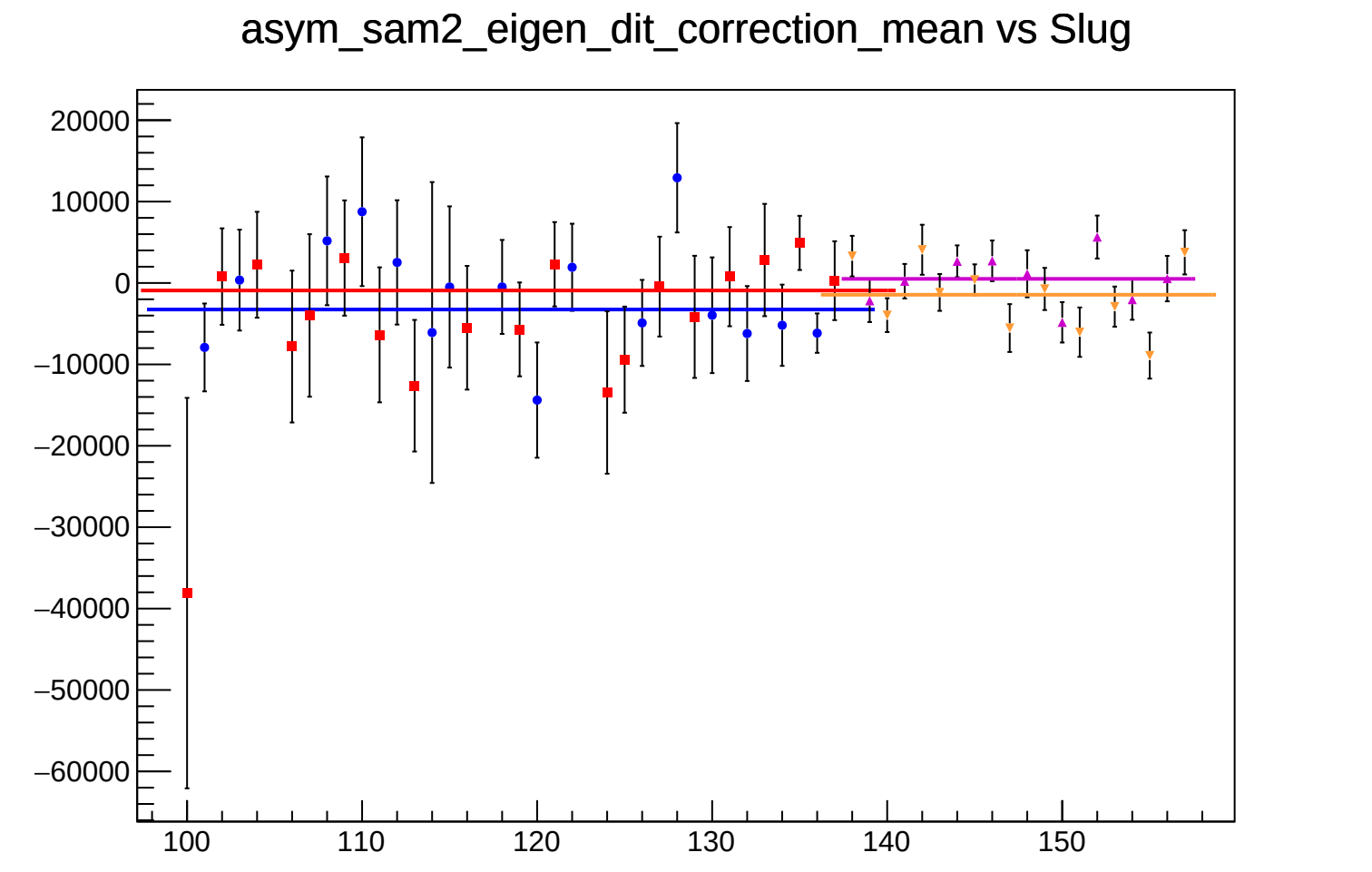
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 300.206+/-0.077 χ^2/NDF:141764.9/8

+ sign 315.063+/-0.057 χ^2/NDF: 1108720.6/26

All: 318.007+/-0.041 χ^2/NDF: 2312056.9/54

- sign 321.229+/-0.060 χ^2/NDF: 1197728.2/27



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1443.616+/-751.825 χ^2/NDF:24.6/10

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

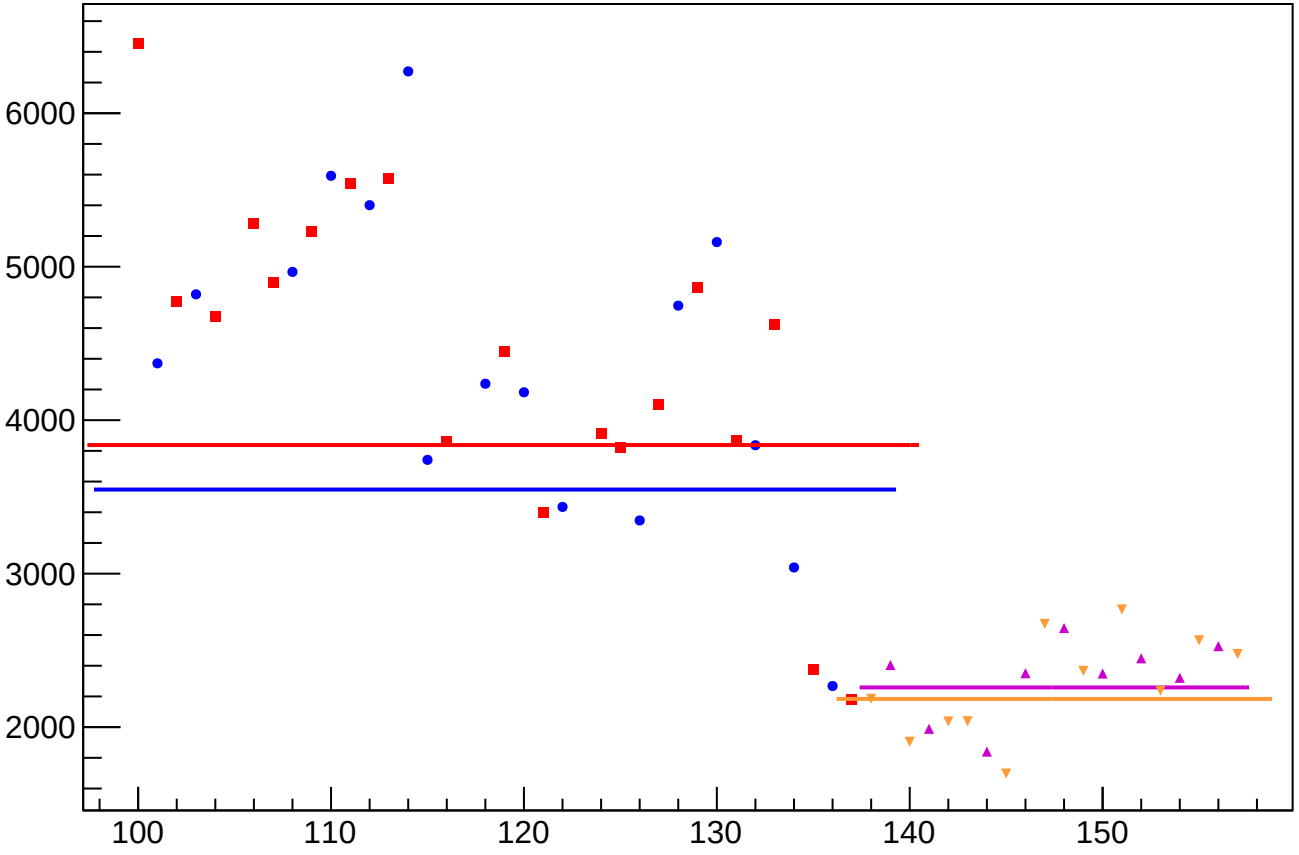
Left In: 506.471+/-814.530 χ^2/NDF:12.6/8

+ sign -1857.159+/-660.657 χ^2/NDF: 41.9/26

All: -919.451+/-484.102 χ^2/NDF: 74.3/54

- sign 167.843+/-711.403 χ^2/NDF: 28.0/27

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2183.742+/-0.532 χ^2/NDF:379870.7/10

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

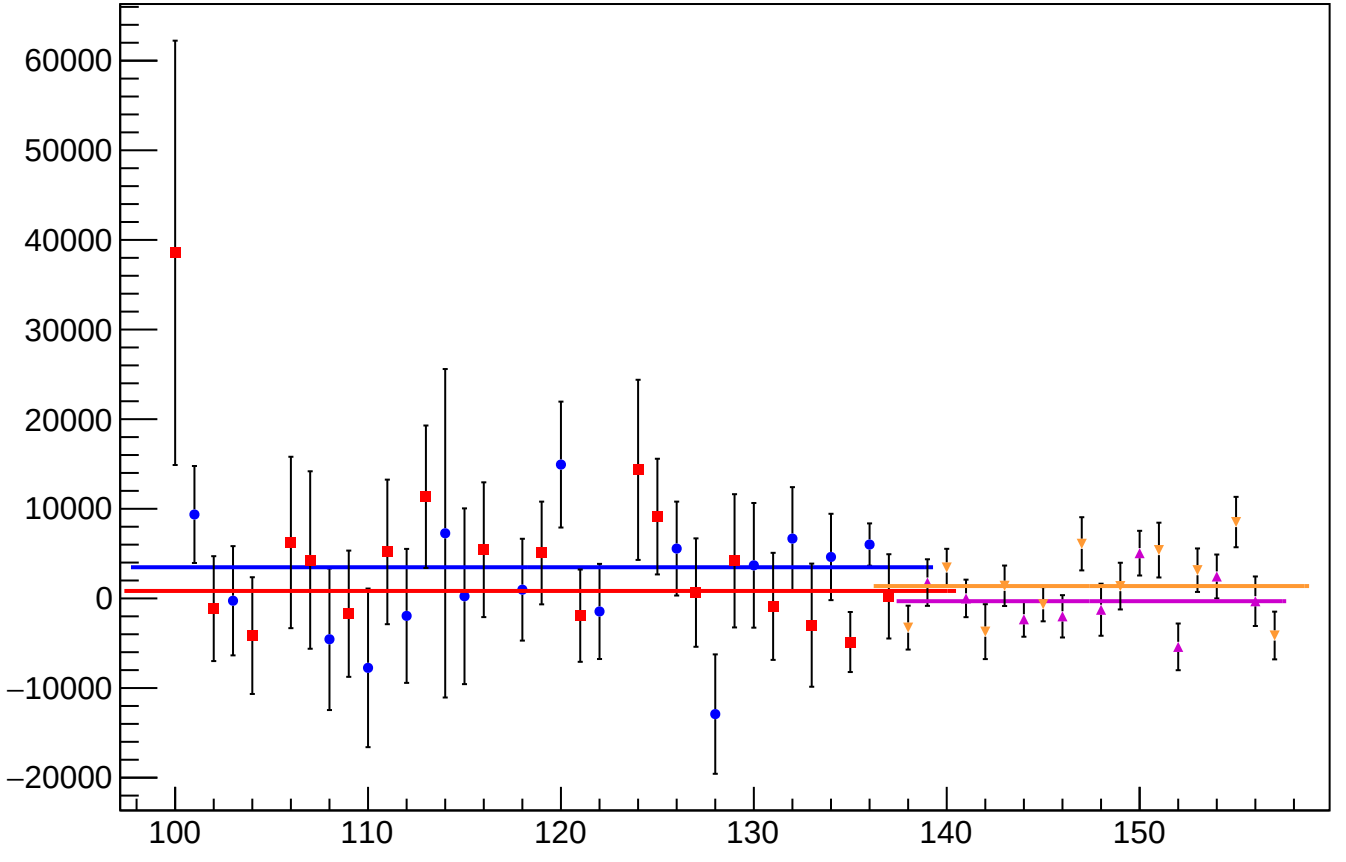
Left In: 2258.607+/-0.576 χ^2/NDF:201457.5/8

+ sign 2494.540+/-0.467 χ^2/NDF: 3138584.7/26

All: 2558.755+/-0.342 χ^2/NDF: 6320161.1/54

- sign 2633.213+/-0.503 χ^2/NDF: 3140772.7/27

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1378.970+/-749.648 χ^2/NDF:24.0/10

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

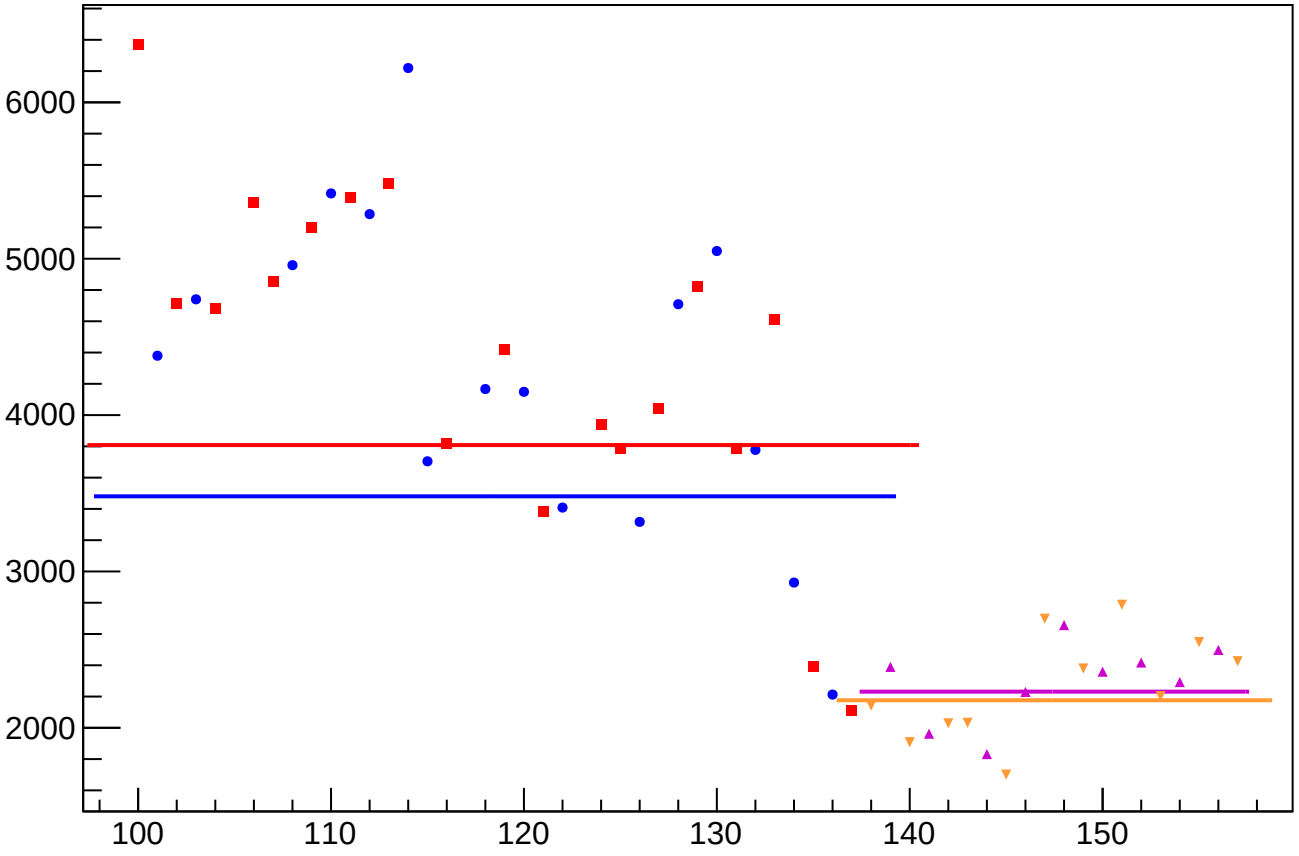
Left In: -308.863+/-804.665 χ^2/NDF:12.1/8

+ sign 1868.001+/-656.558 χ^2/NDF: 42.1/26

All: 979.835+/-480.009 χ^2/NDF: 72.6/54

- sign -40.010+/-703.547 χ^2/NDF: 26.6/27

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2176.096+/-0.530 χ^2/NDF:376939.4/10

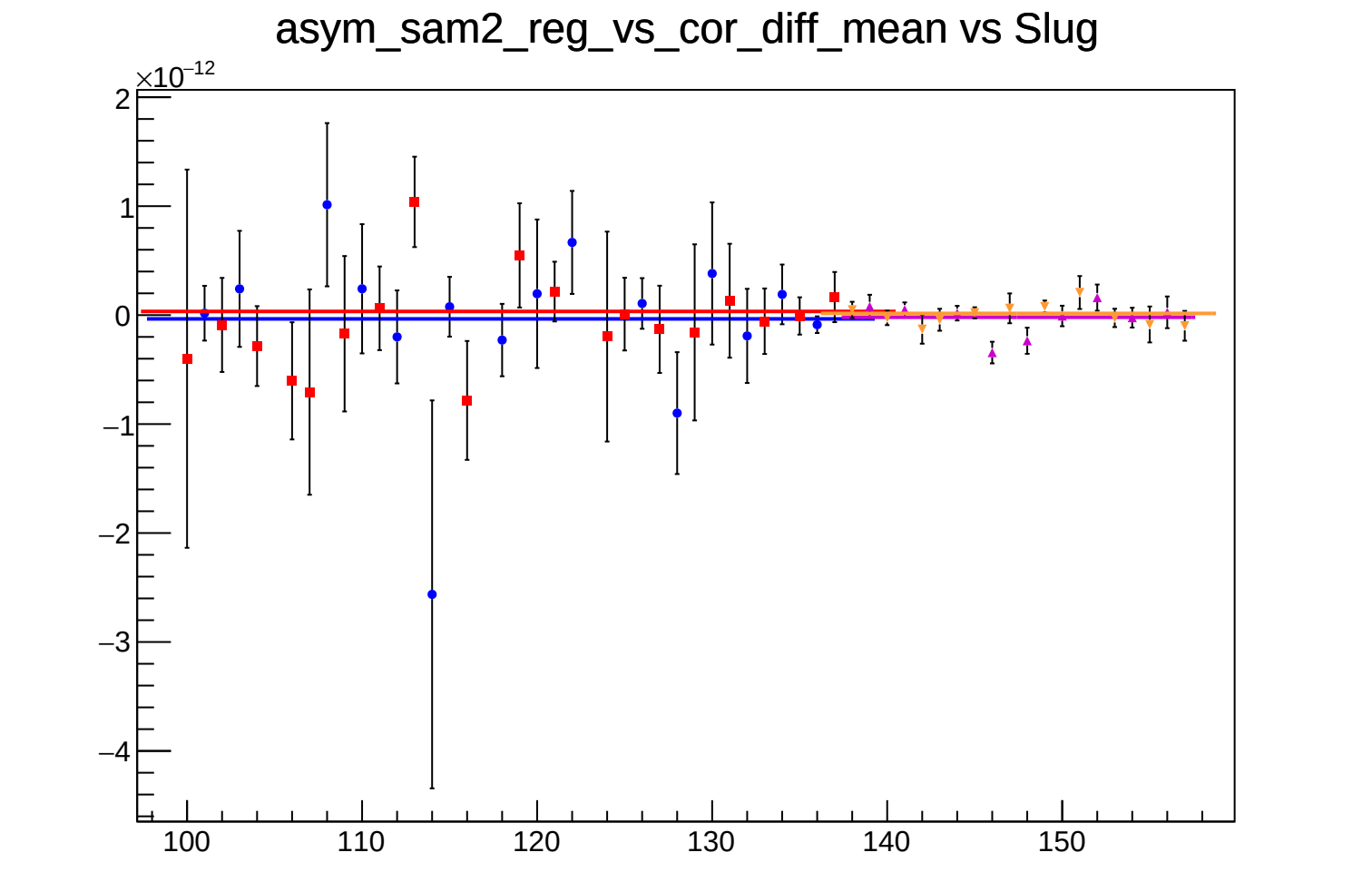
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

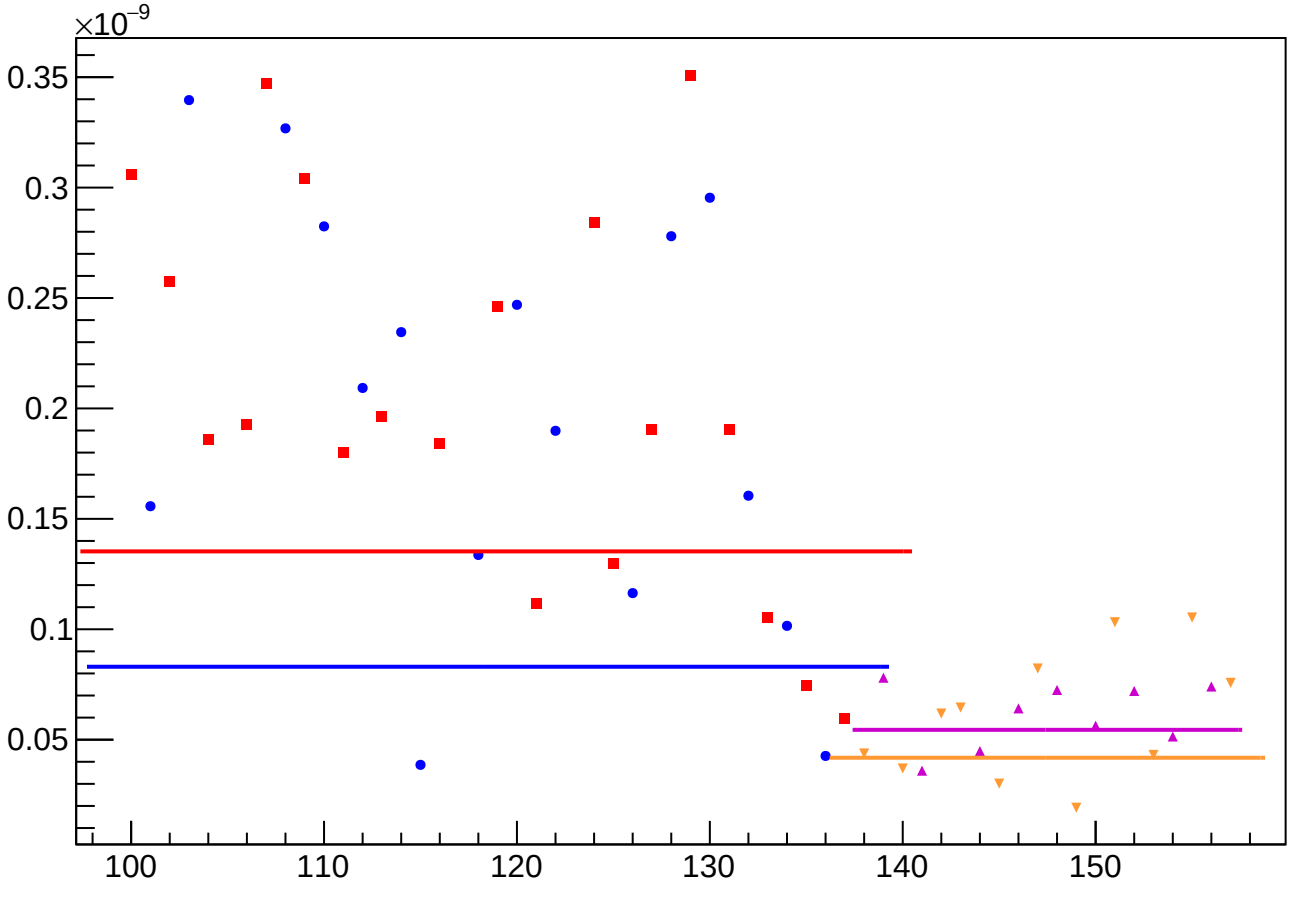
Left In: 2231.432+/-0.569 χ^2/NDF:202933.5/8

+ sign 2479.955+/-0.464 χ^2/NDF: 3084231.3/26

All: 2537.143+/-0.339 χ^2/NDF: 6276036.7/54

- sign 2602.809+/-0.497 χ^2/NDF: 3159208.3/27


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.4/10
Right Out: 0.000+/-0.000 χ²/NDF: 13.5/18
Left In: -0.000+/-0.000 χ²/NDF:18.5/8
+ sign 0.000+/-0.000 χ²/NDF: 18.9/26
All: 0.000+/-0.000 χ²/NDF: 51.7/54
- sign -0.000+/-0.000 χ²/NDF: 32.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1517912.2/10

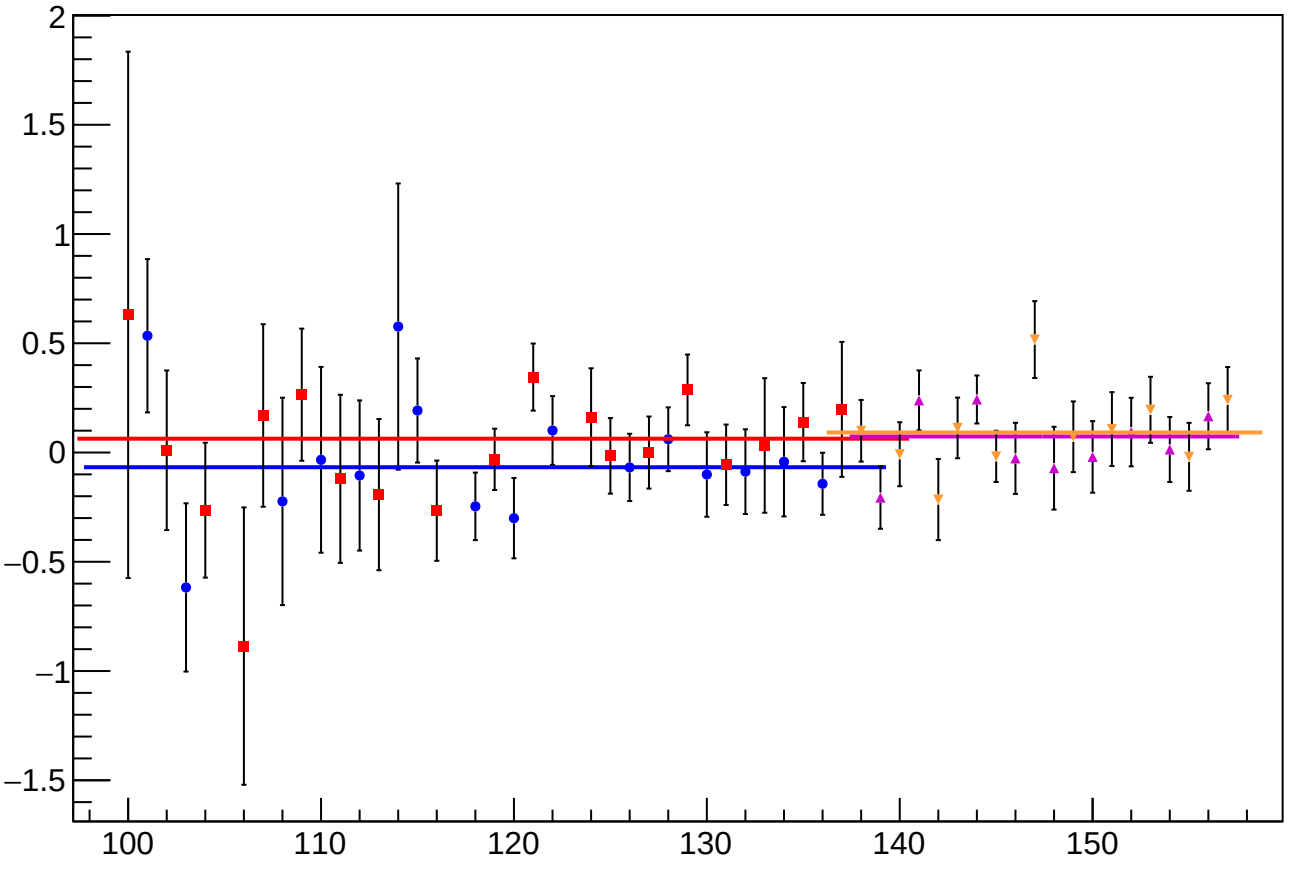
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:439343.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 5010374.6/26

All: 0.000+/-0.000 χ^2/NDF: 8829847.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3444035.5/27



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

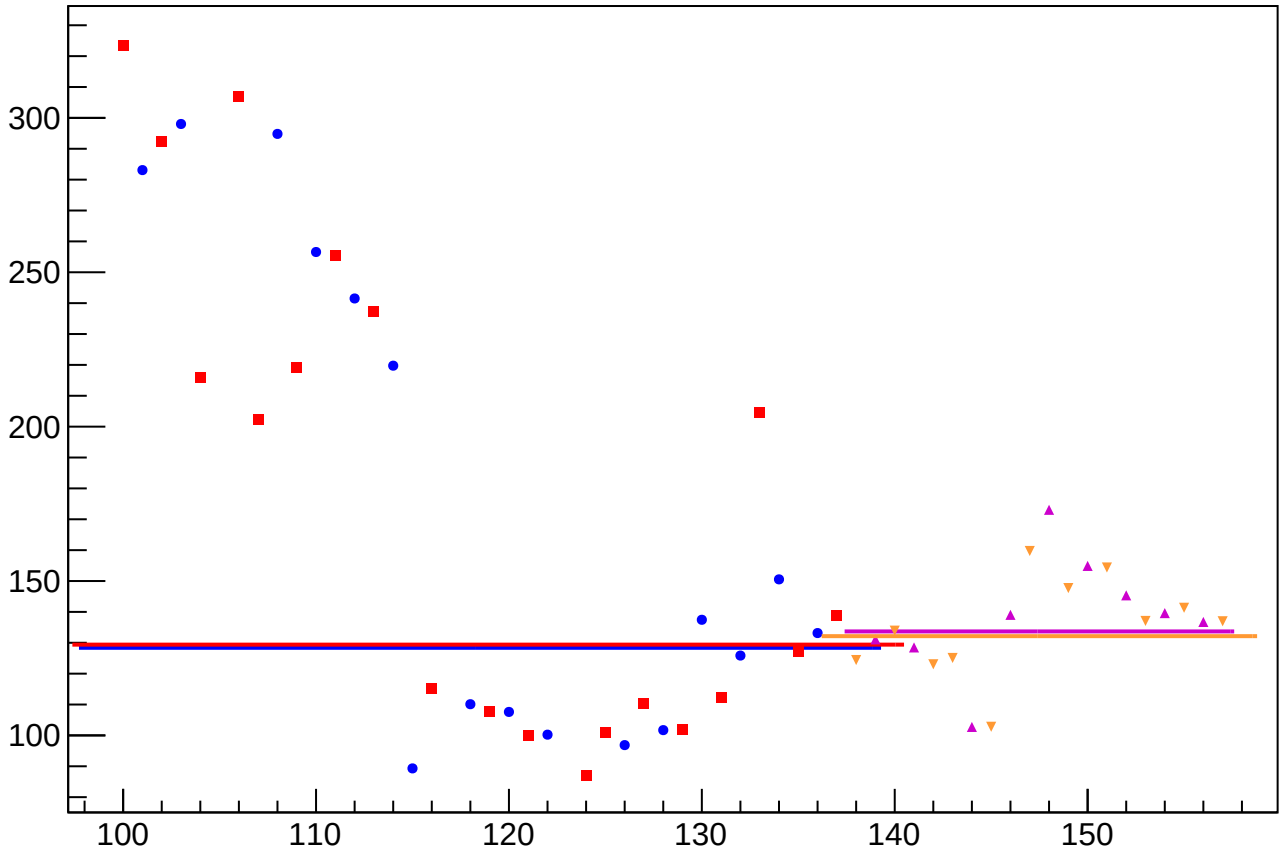
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.073+/-0.049 χ^2/NDF:9.5/8

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.045+/-0.025 χ^2/NDF: 54.2/54

- sign 0.069+/-0.036 χ^2/NDF: 23.6/27



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

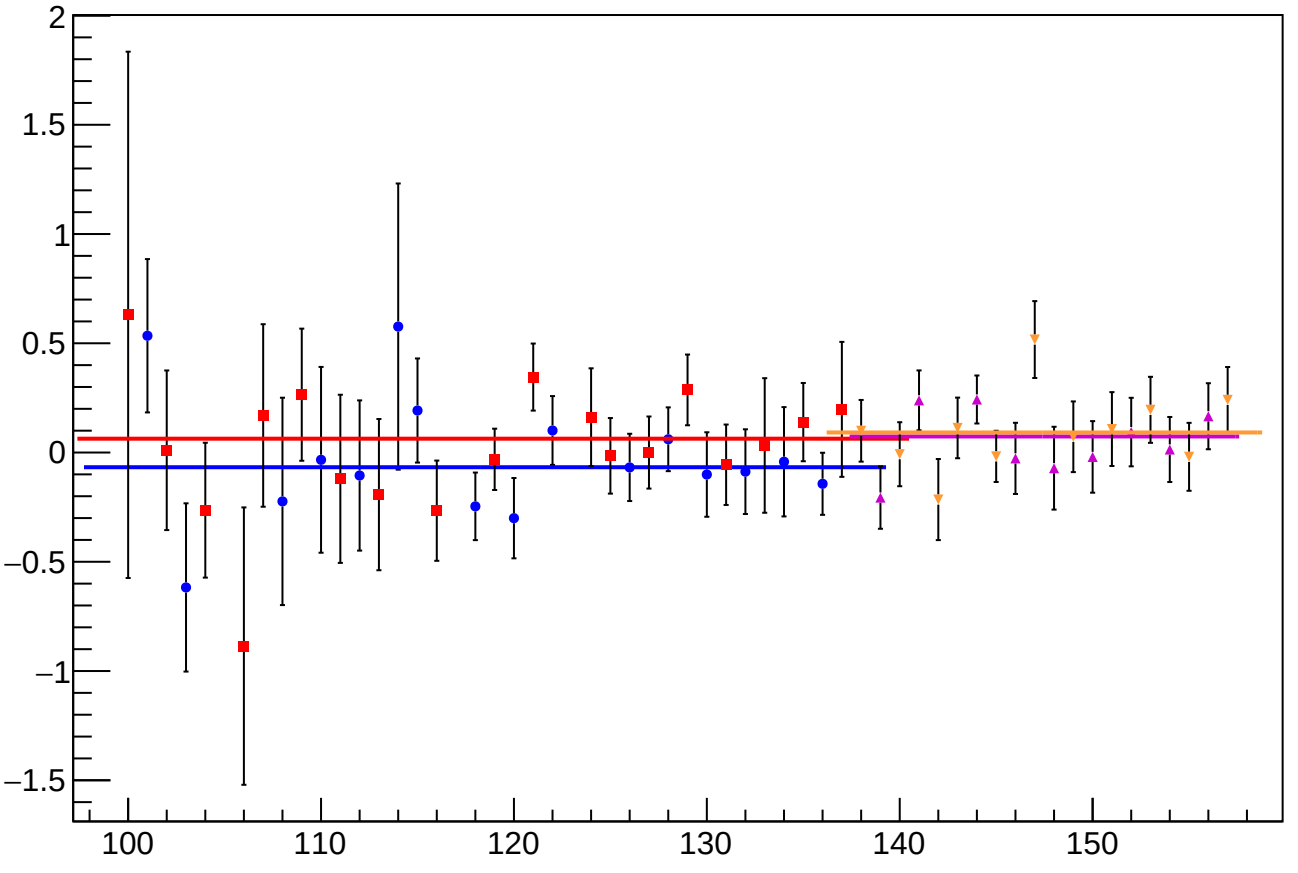
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 133.677+/-0.035 χ^2/NDF:299480.3/8

+ sign 130.508+/-0.024 χ^2/NDF: 2066347.6/26

All: 131.058+/-0.017 χ^2/NDF: 4262413.9/54

- sign 131.652+/-0.025 χ^2/NDF: 2194987.2/27



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

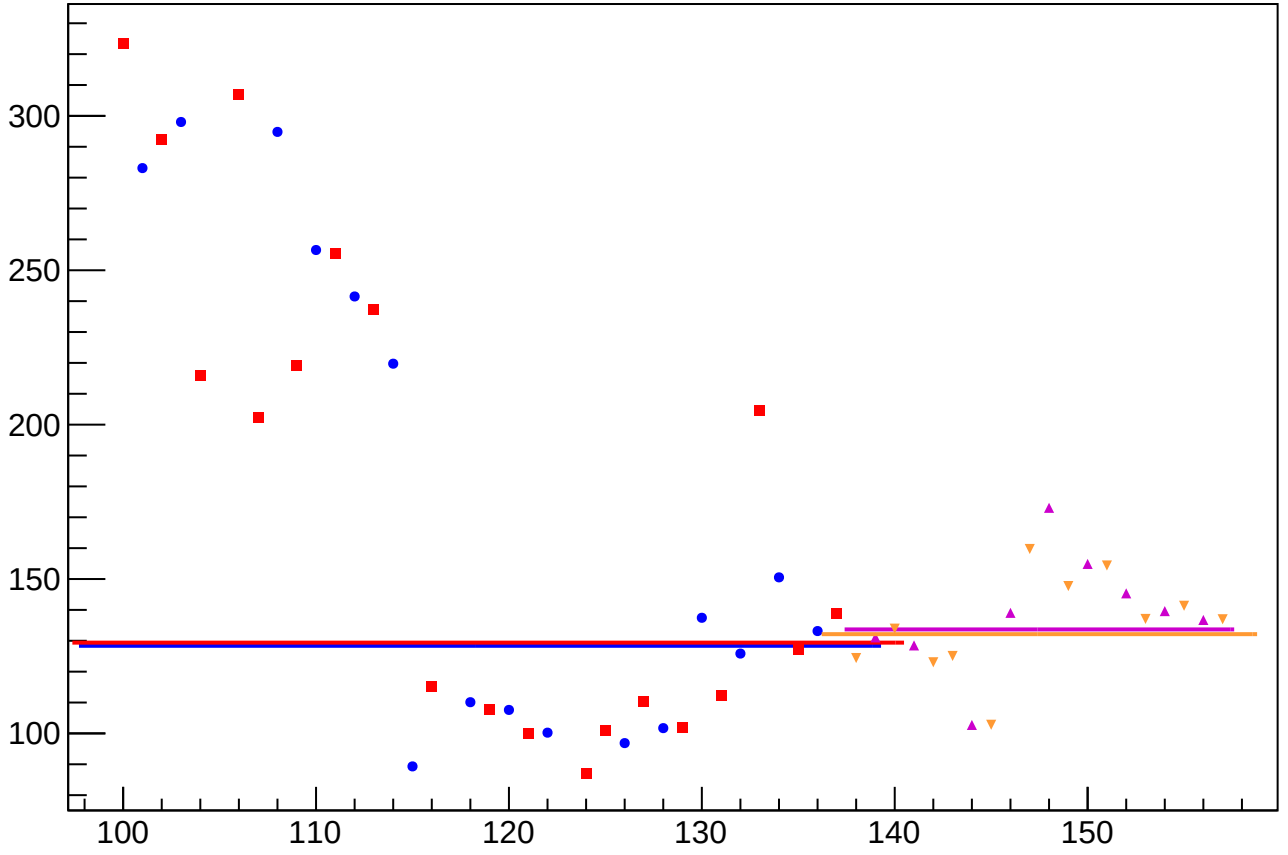
Left In: 0.073+/-0.049 χ^2/NDF:9.5/8

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.045+/-0.025 χ^2/NDF: 54.2/54

- sign 0.069+/-0.036 χ^2/NDF: 23.6/27

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 132.144+/-0.032 χ^2/NDF:255289.7/10

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

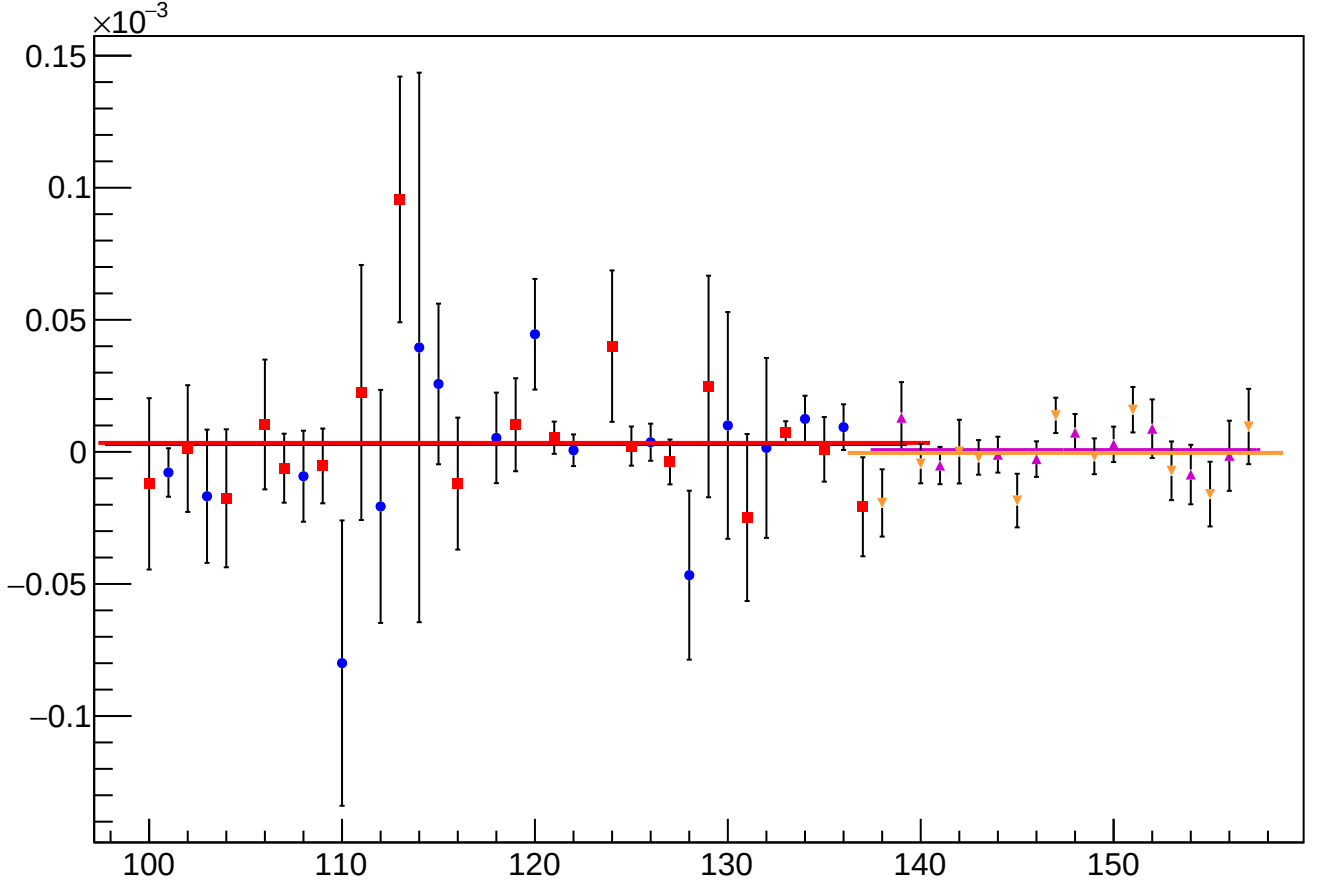
Left In: 133.677+/-0.035 χ^2/NDF:299480.3/8

+ sign 130.508+/-0.024 χ^2/NDF: 2066347.6/26

All: 131.058+/-0.017 χ^2/NDF: 4262413.9/54

- sign 131.652+/-0.025 χ^2/NDF: 2194987.2/27

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

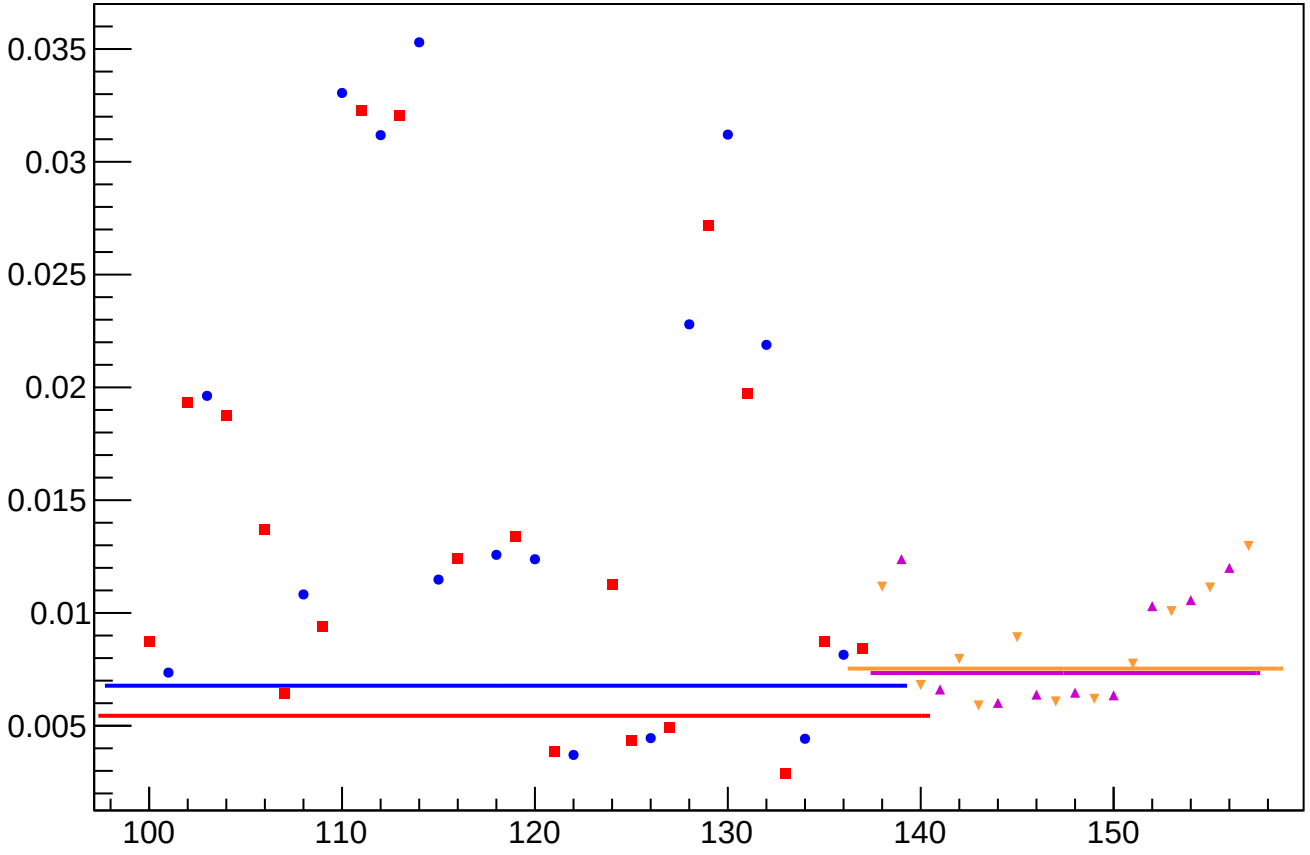
Left In: 0.000+/-0.000 χ^2/NDF:4.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/26

All: 0.000+/-0.000 χ^2/NDF: 48.5/54

- sign 0.000+/-0.000 χ^2/NDF: 17.2/27

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1088533.6/10

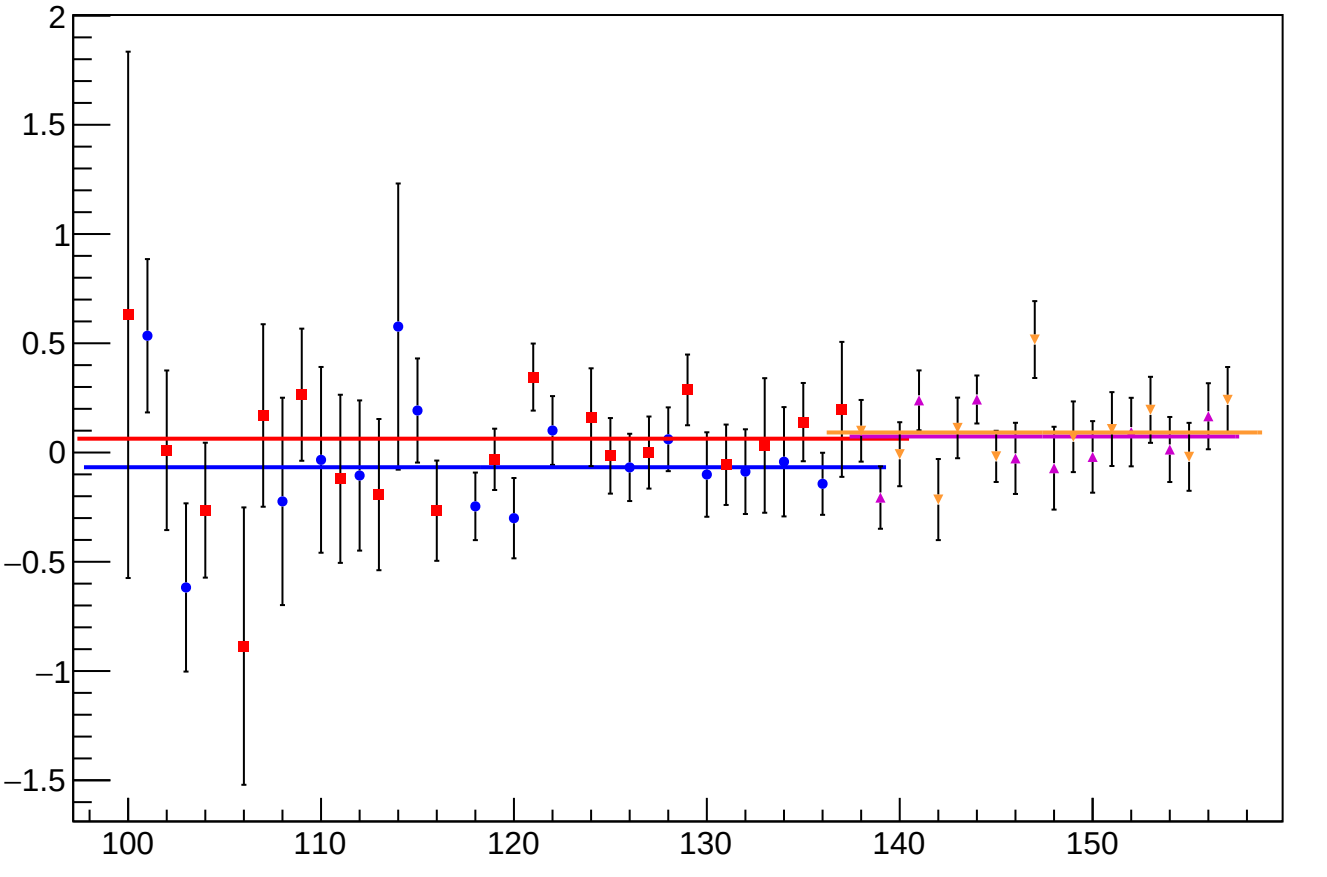
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1046693.6/8

+ sign 0.007+/-0.000 χ^2/NDF: 5928886.9/26

All: 0.007+/-0.000 χ^2/NDF: 13253863.1/54

- sign 0.006+/-0.000 χ^2/NDF: 7123638.6/27



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

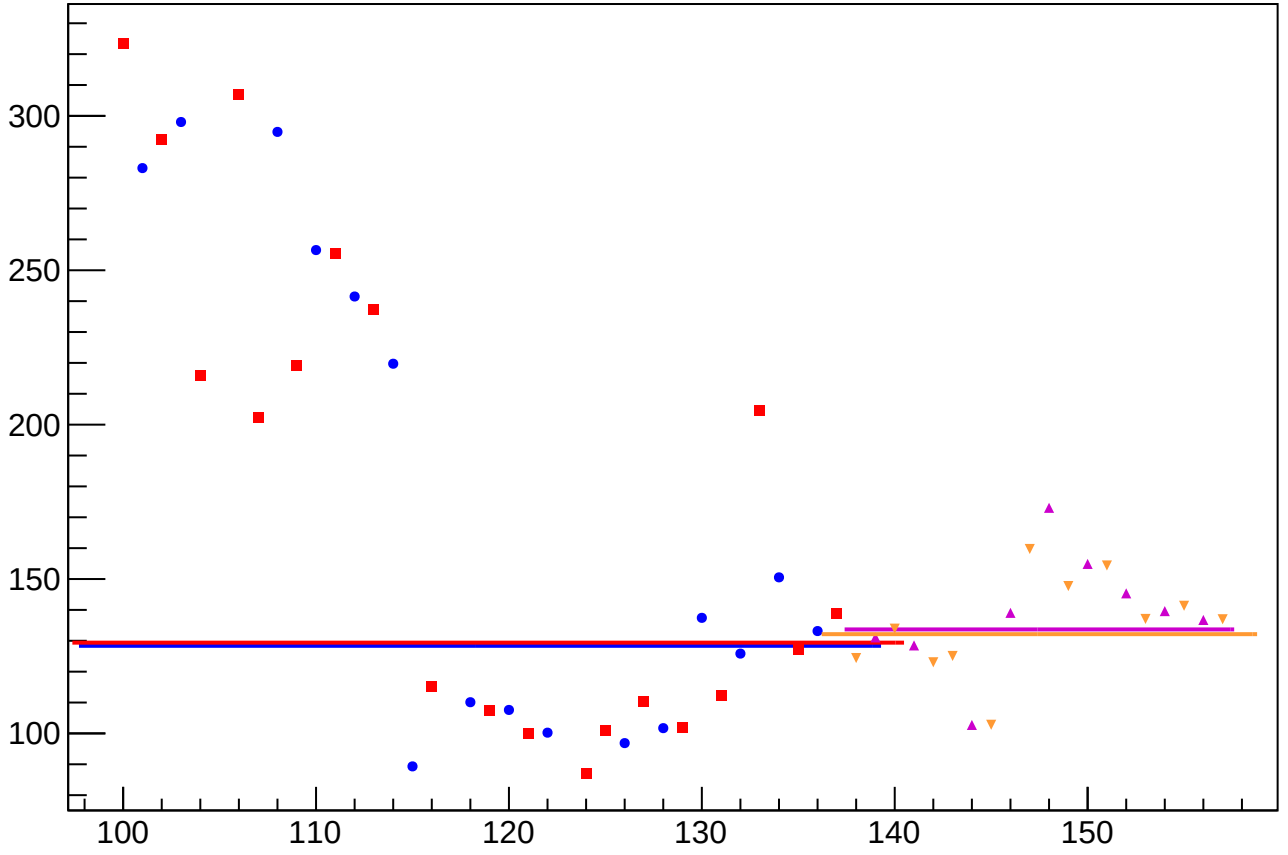
Left In: 0.073+/-0.049 χ^2/NDF:9.5/8

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.045+/-0.025 χ^2/NDF: 54.2/54

- sign 0.069+/-0.036 χ^2/NDF: 23.6/27

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

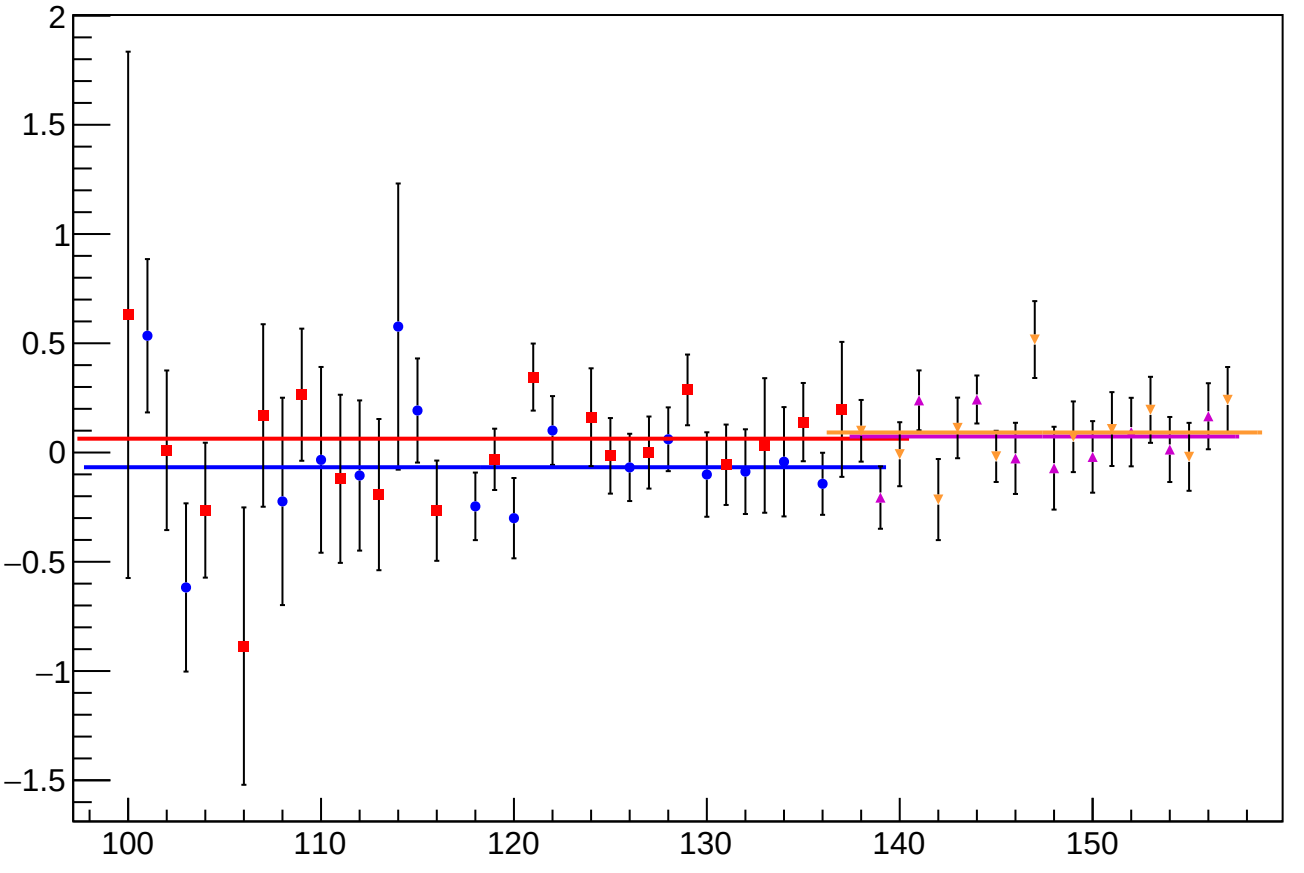
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 133.677+/-0.035 χ^2/NDF:299482.7/8

+ sign 130.507+/-0.024 χ^2/NDF: 2066327.0/26

All: 131.056+/-0.017 χ^2/NDF: 4262407.8/54

- sign 131.651+/-0.025 χ^2/NDF: 2195002.2/27



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.092+/-0.045 χ^2/NDF:11.9/10

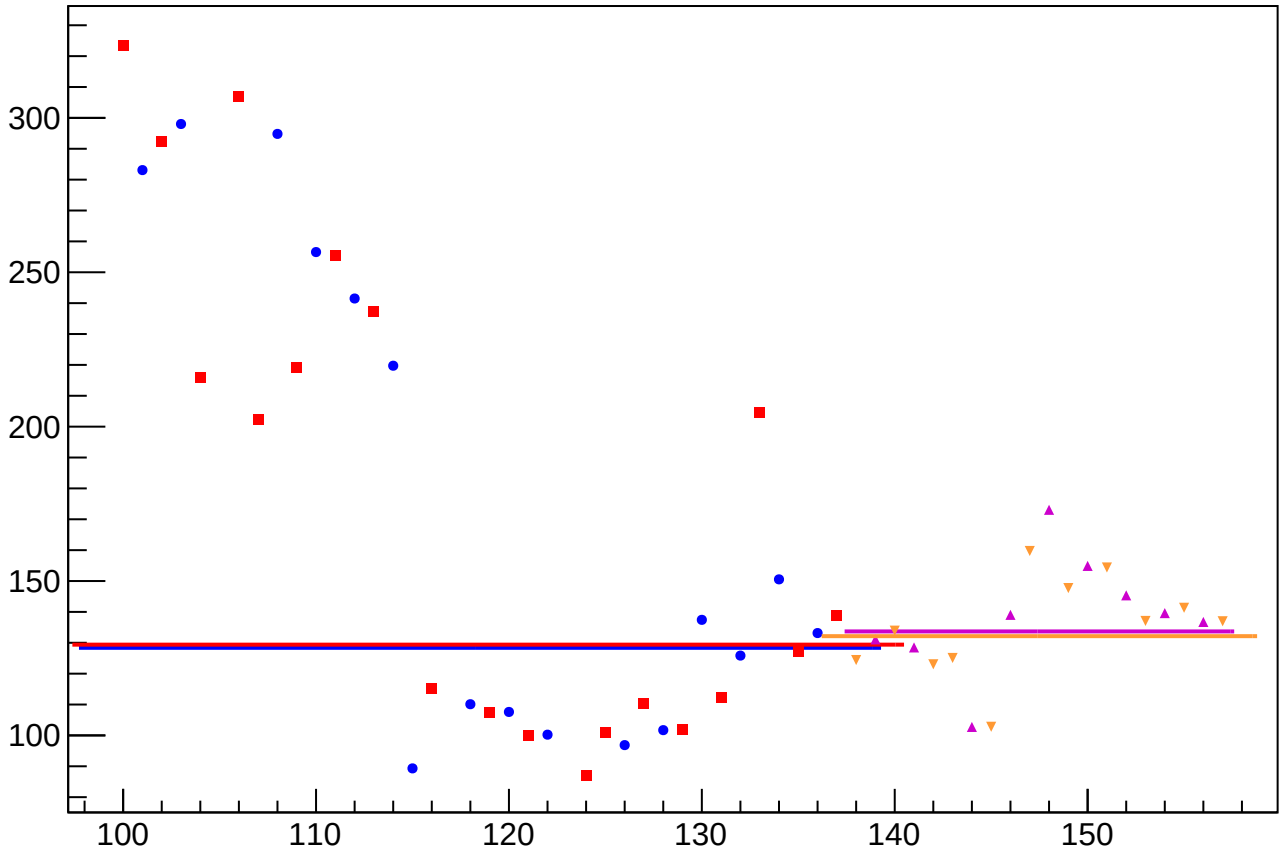
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.073+/-0.049 χ^2/NDF:9.5/8

+ sign 0.023+/-0.034 χ^2/NDF: 29.7/26

All: 0.045+/-0.025 χ^2/NDF: 54.2/54

- sign 0.069+/-0.036 χ^2/NDF: 23.6/27



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 132.144+/-0.032 χ^2/NDF:255310.5/10

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

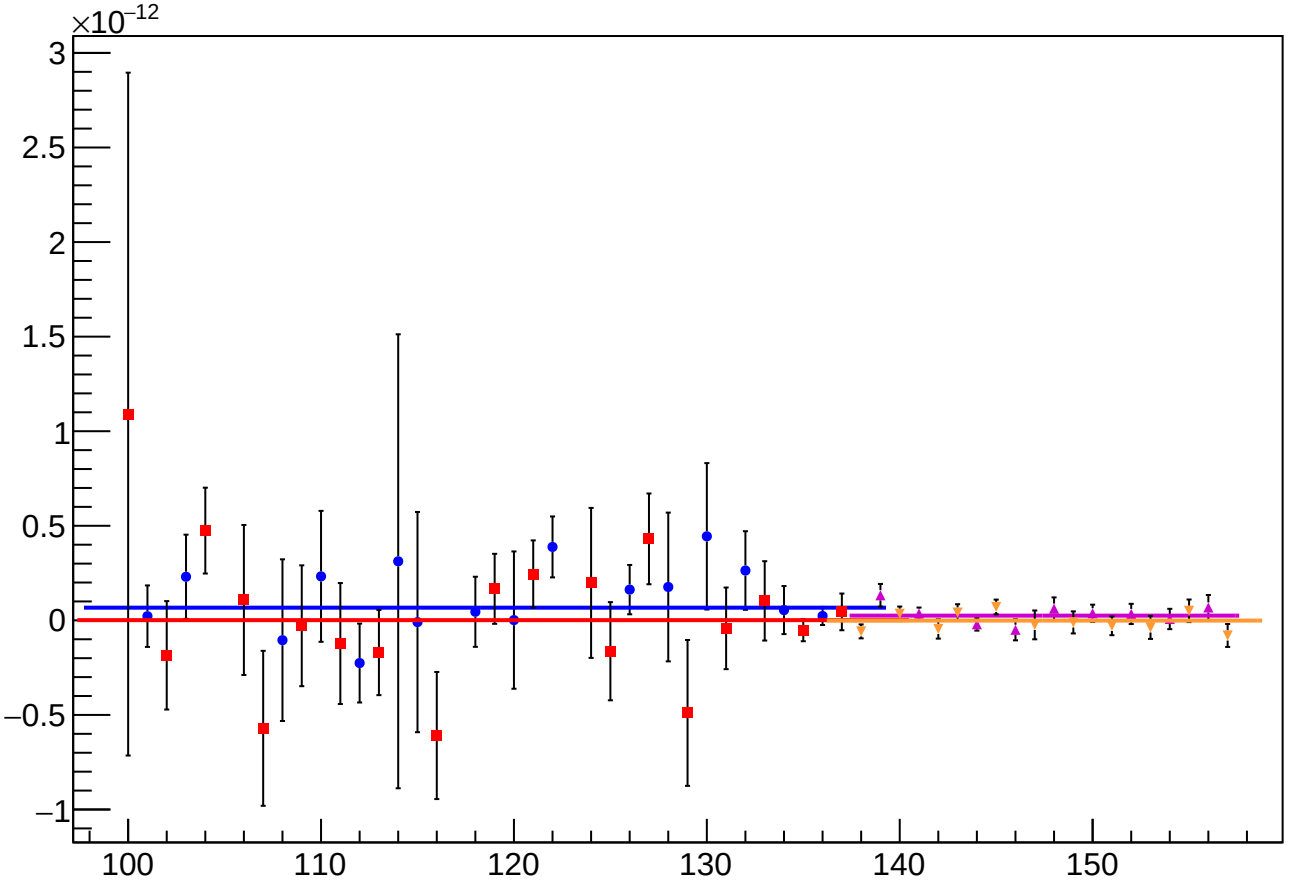
Left In: 133.677+/-0.035 χ^2/NDF:299482.7/8

+ sign 130.507+/-0.024 χ^2/NDF: 2066327.0/26

All: 131.056+/-0.017 χ^2/NDF: 4262407.8/54

- sign 131.651+/-0.025 χ^2/NDF: 2195002.2/27

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/10

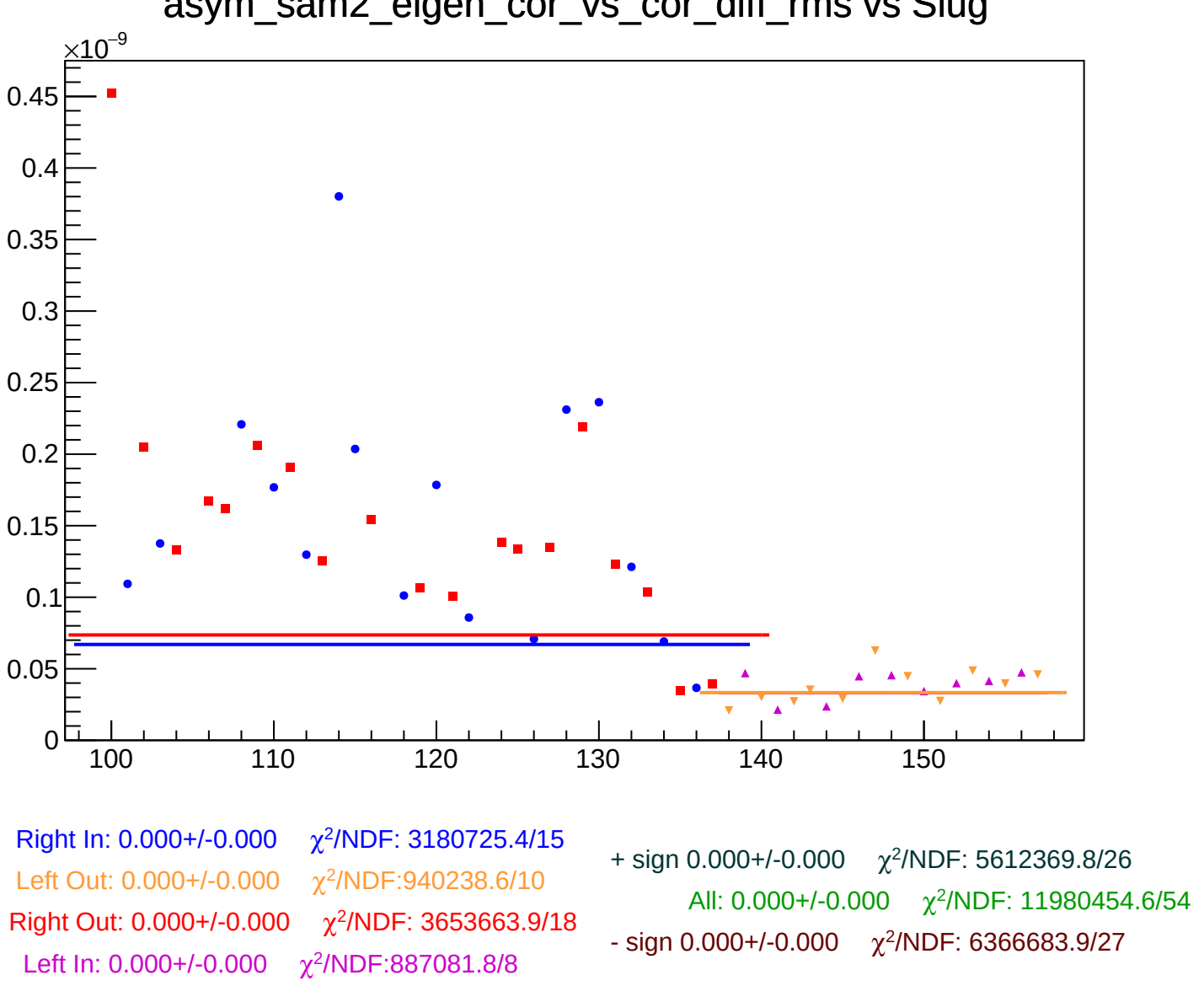
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/8

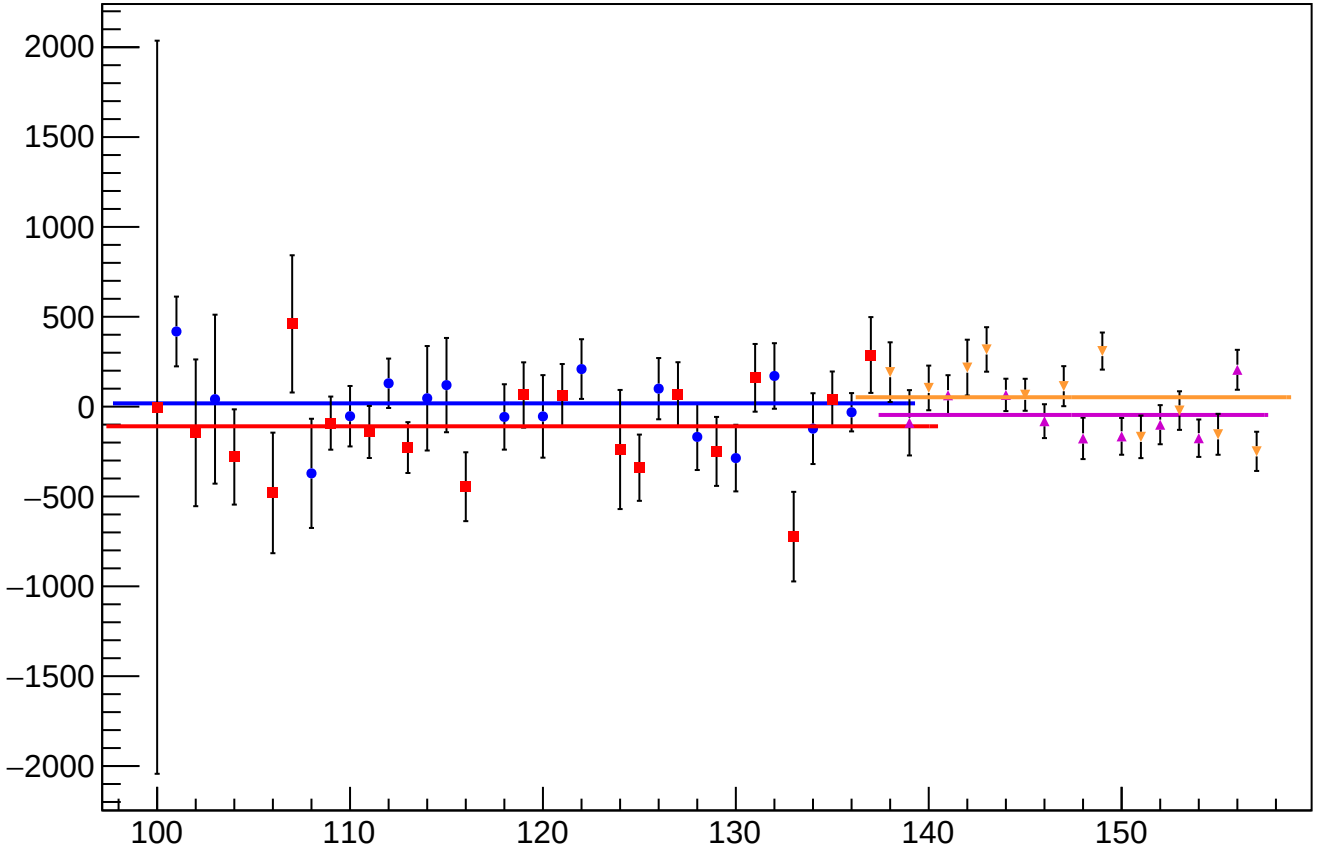
+ sign 0.000+/-0.000 χ^2/NDF: 25.0/26

All: 0.000+/-0.000 χ^2/NDF: 54.4/54

- sign 0.000+/-0.000 χ^2/NDF: 29.0/27


asym_sam2_eigen_cor_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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:940238.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:887081.8/8
+ sign 0.000+/-0.000 χ²/NDF: 5612369.8/26
All: 0.000+/-0.000 χ²/NDF: 11980454.6/54
- sign 0.000+/-0.000 χ²/NDF: 6366683.9/27

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.265+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

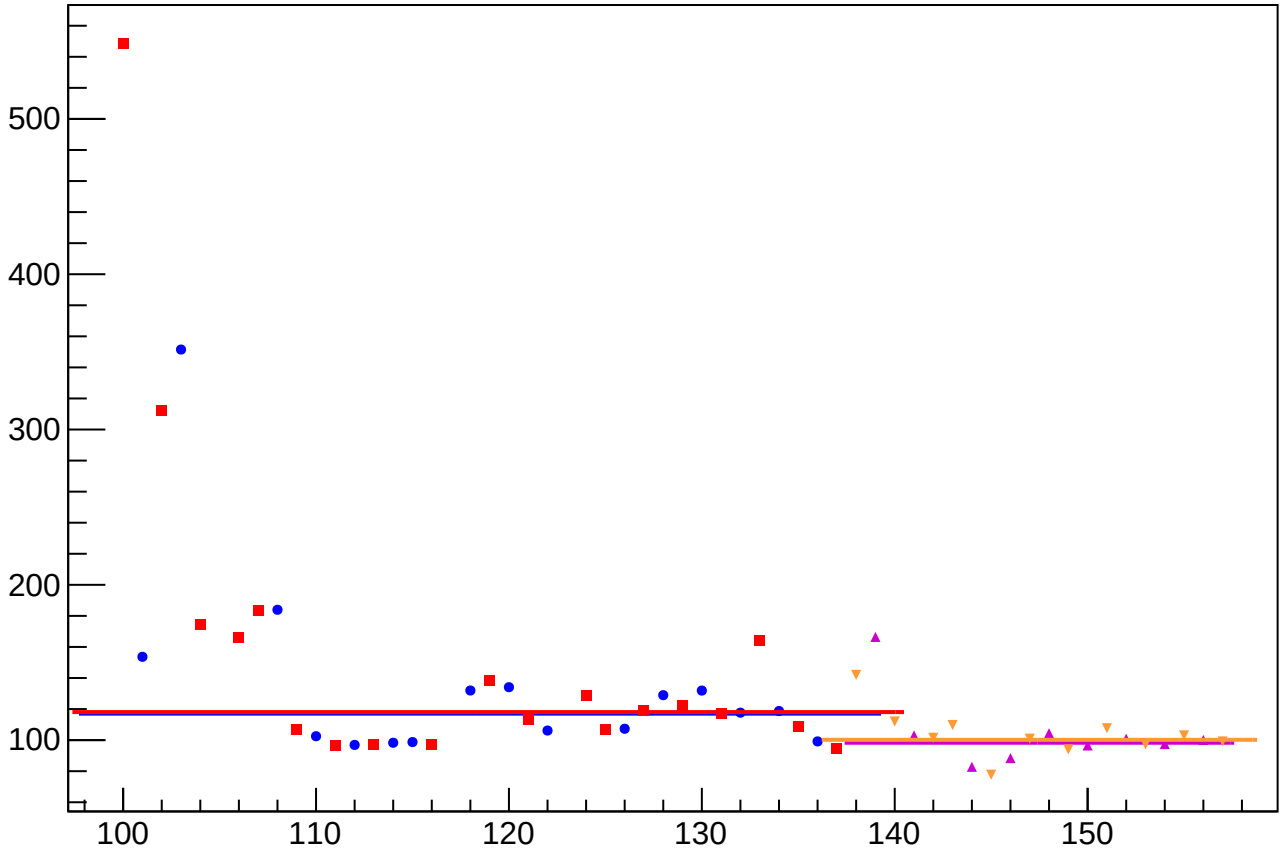
Left In: -46.276+/-35.920 χ^2/NDF:12.2/8

+ sign 39.783+/-27.667 χ^2/NDF: 42.2/26

All: -14.078+/-19.773 χ^2/NDF: 88.8/54

- sign -70.312+/-28.270 χ^2/NDF: 38.9/27

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

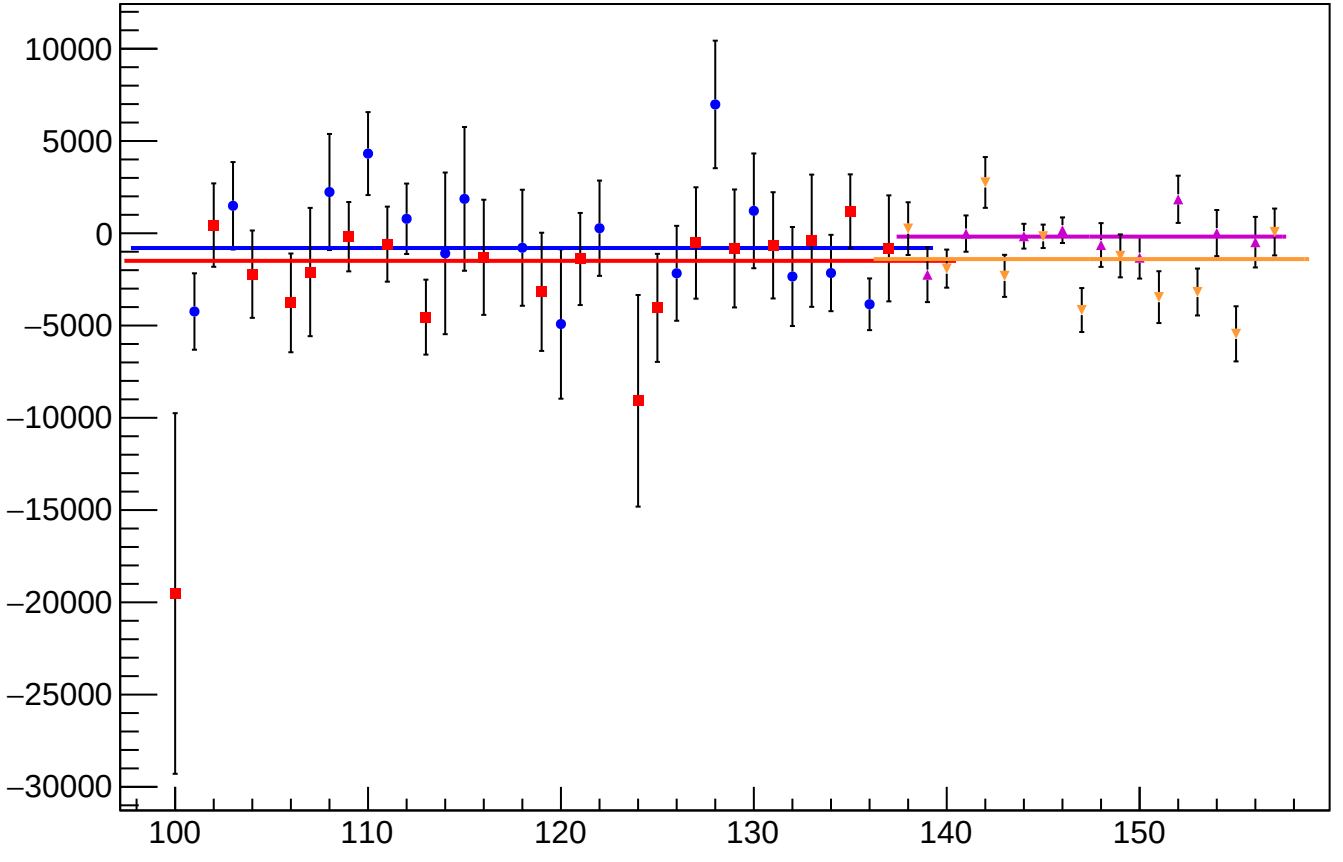
Left In: 98.320+/-0.025 χ^2/NDF:373983.1/8

+ sign 106.388+/-0.020 χ^2/NDF: 1333048.0/26

All: 106.116+/-0.014 χ^2/NDF: 2927995.3/54

- sign 105.832+/-0.020 χ^2/NDF: 1594552.7/27

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1398.614+/-336.265 χ^2/NDF:33.3/10

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

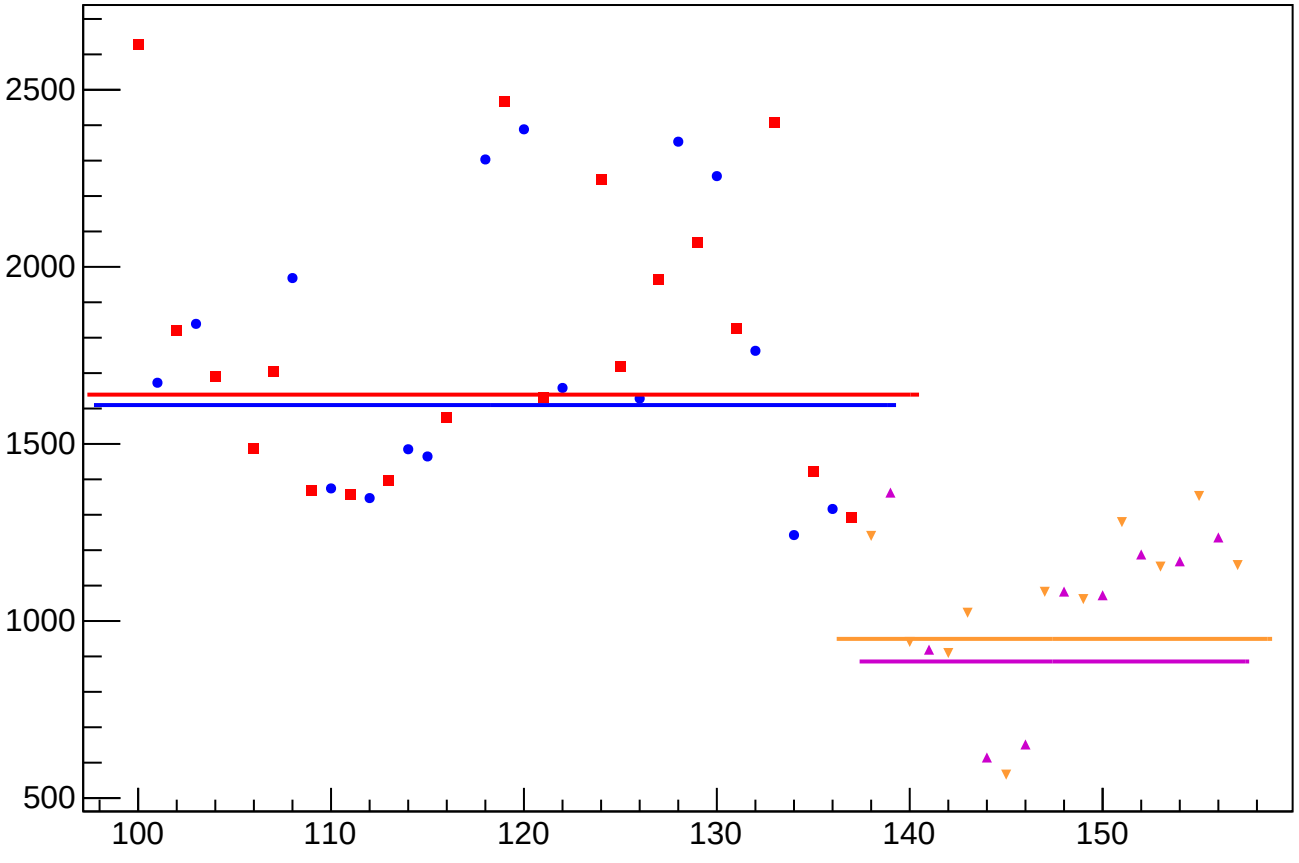
Left In: -181.763+/-332.270 χ^2/NDF:5.9/8

+ sign -1260.989+/-295.153 χ^2/NDF: 57.5/26

All: -866.298+/-207.627 χ^2/NDF: 83.4/54

- sign -479.659+/-292.127 χ^2/NDF: 22.4/27

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 949.551+/-0.238 χ^2/NDF:1226628.6/10

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

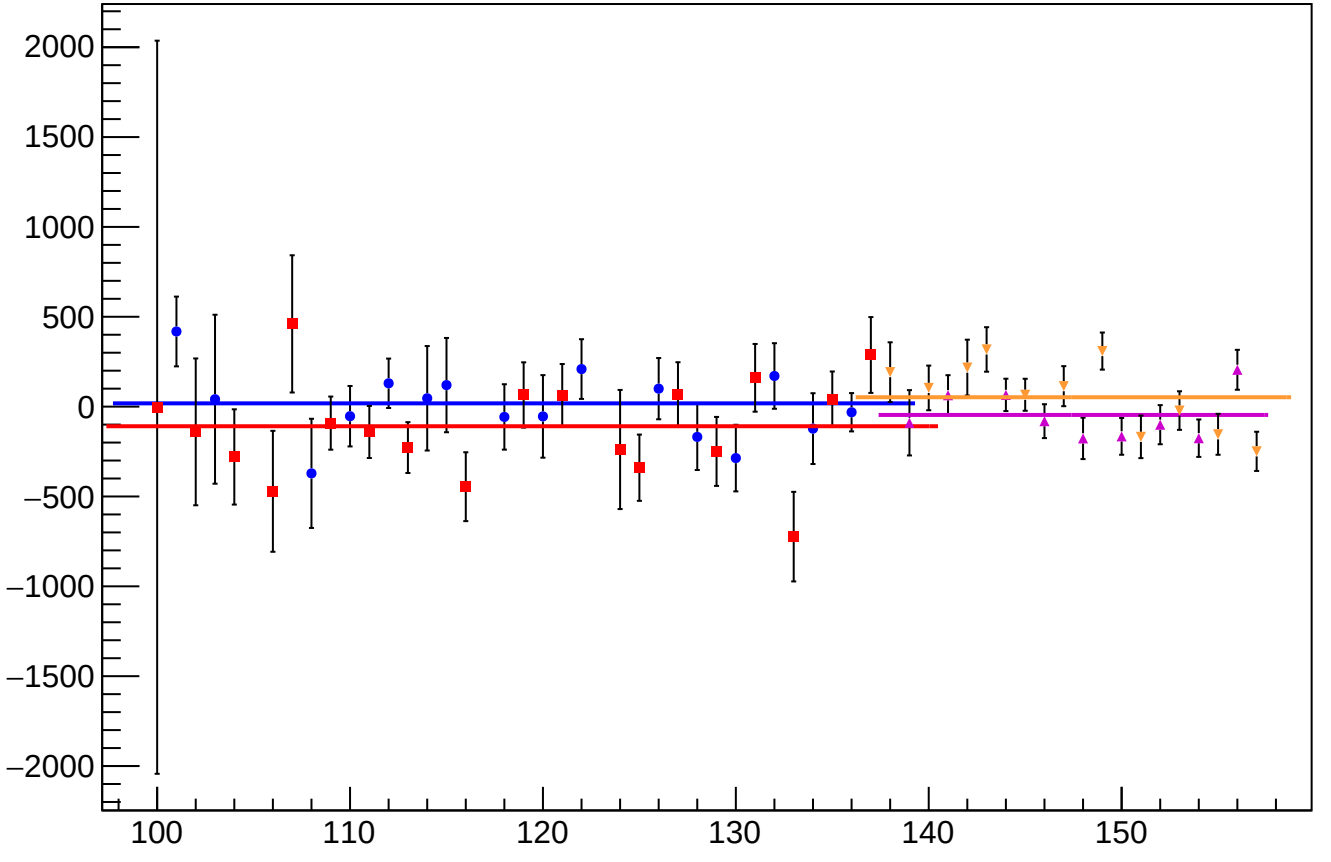
Left In: 885.717+/-0.235 χ^2/NDF:1217230.3/8

+ sign 1101.122+/-0.209 χ^2/NDF: 3615782.4/26

All: 1078.728+/-0.147 χ^2/NDF: 7711205.5/54

- sign 1056.791+/-0.207 χ^2/NDF: 4072631.7/27

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

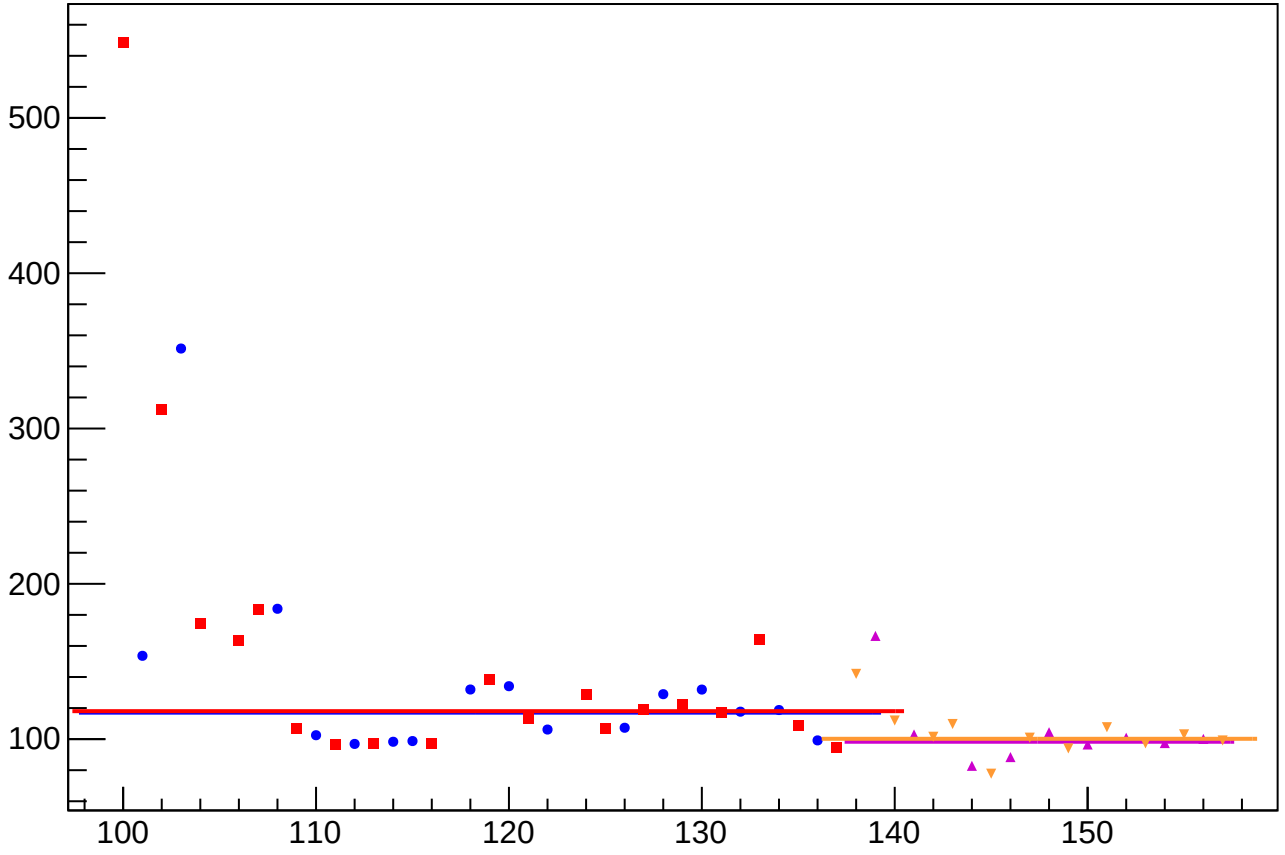
Left In: -46.277+/-35.920 χ^2/NDF:12.2/8

\+ sign 39.781+/-27.667 χ^2/NDF: 42.2/26

All: -14.024+/-19.774 χ^2/NDF: 88.7/54

\- sign -70.204+/-28.271 χ^2/NDF: 38.8/27

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

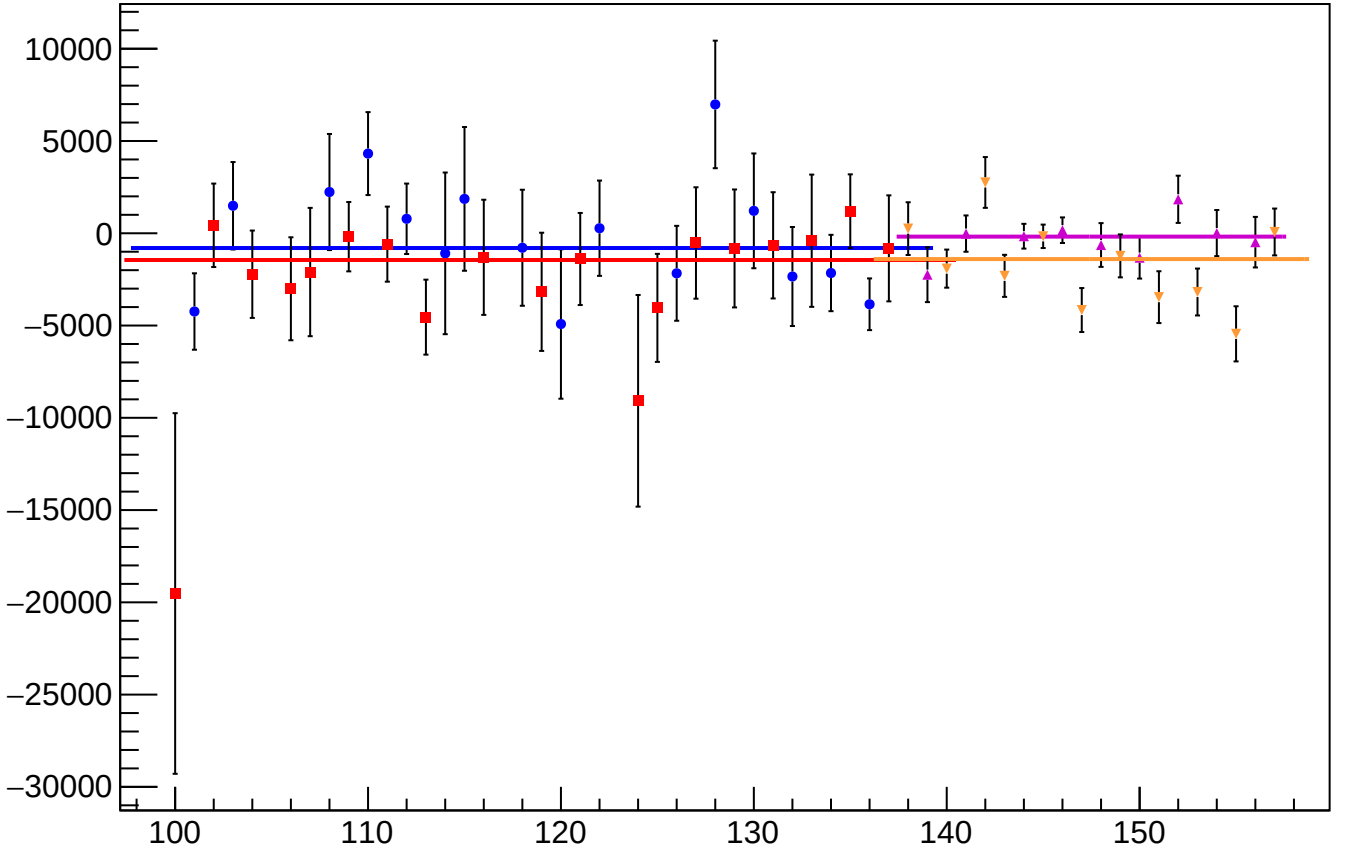
Left In: 98.320+/-0.025 χ^2/NDF:373983.1/8

+ sign 106.388+/-0.020 χ^2/NDF: 1333049.9/26

All: 106.106+/-0.014 χ^2/NDF: 2922609.4/54

- sign 105.812+/-0.020 χ^2/NDF: 1589135.5/27

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

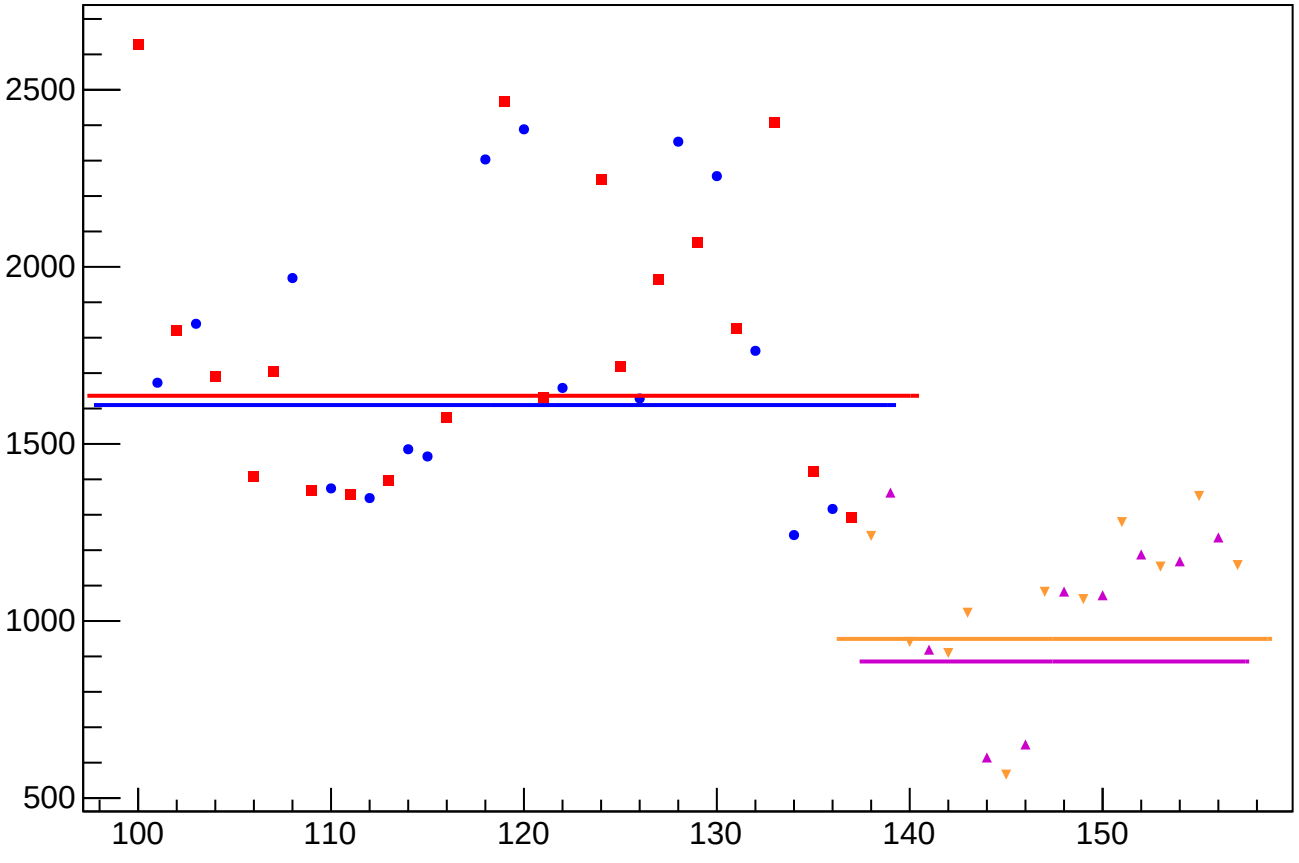
Left In: -181.771+/-332.270 χ^2/NDF:5.9/8

\+ sign -1260.981+/-295.153 χ^2/NDF: 57.5/26

All: -860.788+/-207.679 χ^2/NDF: 82.8/54

\- sign -468.369+/-292.272 χ^2/NDF: 21.7/27

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

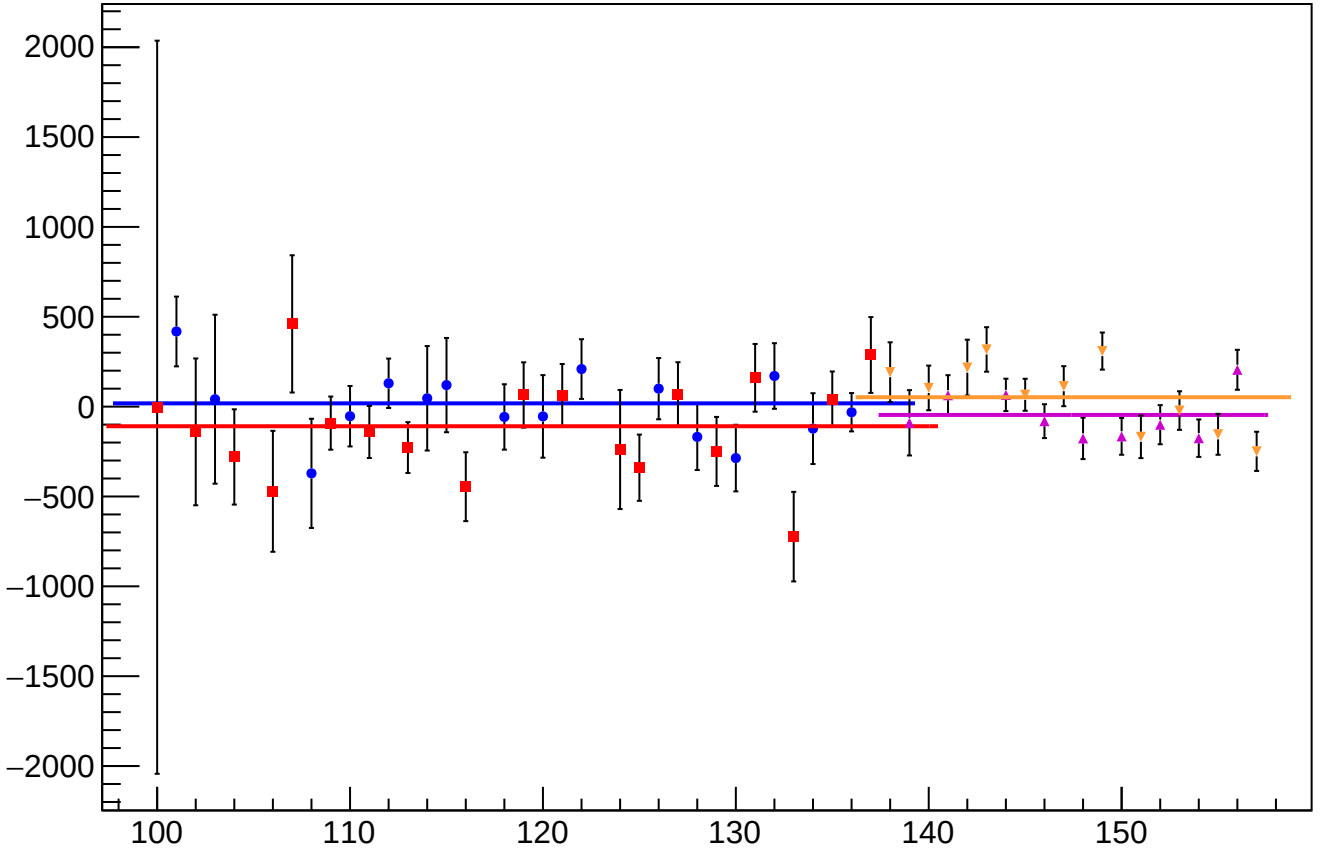
Left In: 885.717+/-0.235 χ^2/NDF:1217232.6/8

+ sign 1101.122+/-0.209 χ^2/NDF: 3615844.6/26

All: 1078.081+/-0.147 χ^2/NDF: 7692644.4/54

- sign 1055.488+/-0.207 χ^2/NDF: 4052661.2/27

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 52.270+/-34.759 χ^2/NDF:28.0/10

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

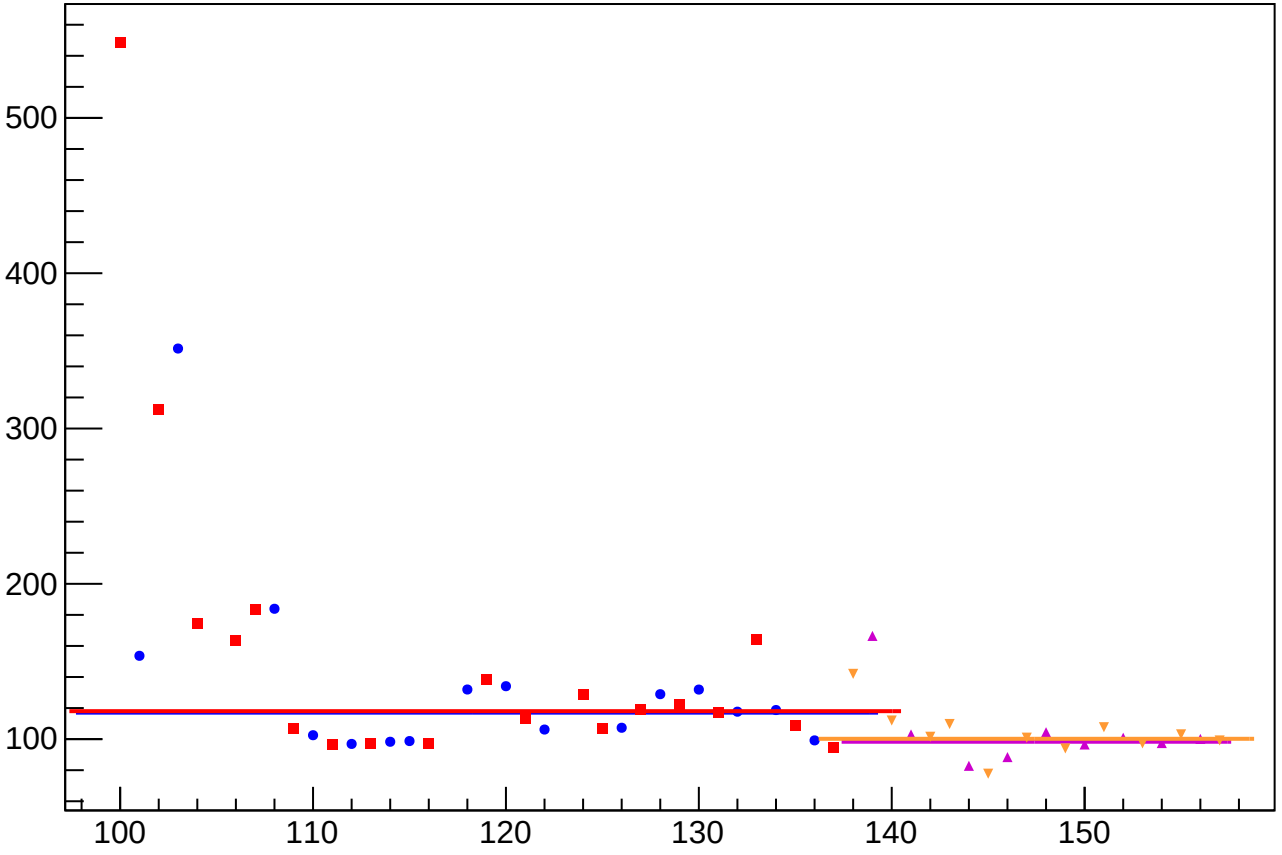
Left In: -46.277+/-35.920 χ^2/NDF:12.2/8

\+ sign 39.781+/-27.667 χ^2/NDF: 42.2/26

All: -14.024+/-19.774 χ^2/NDF: 88.7/54

\- sign -70.204+/-28.271 χ^2/NDF: 38.8/27

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.213+/-0.025 χ^2/NDF:302432.3/10

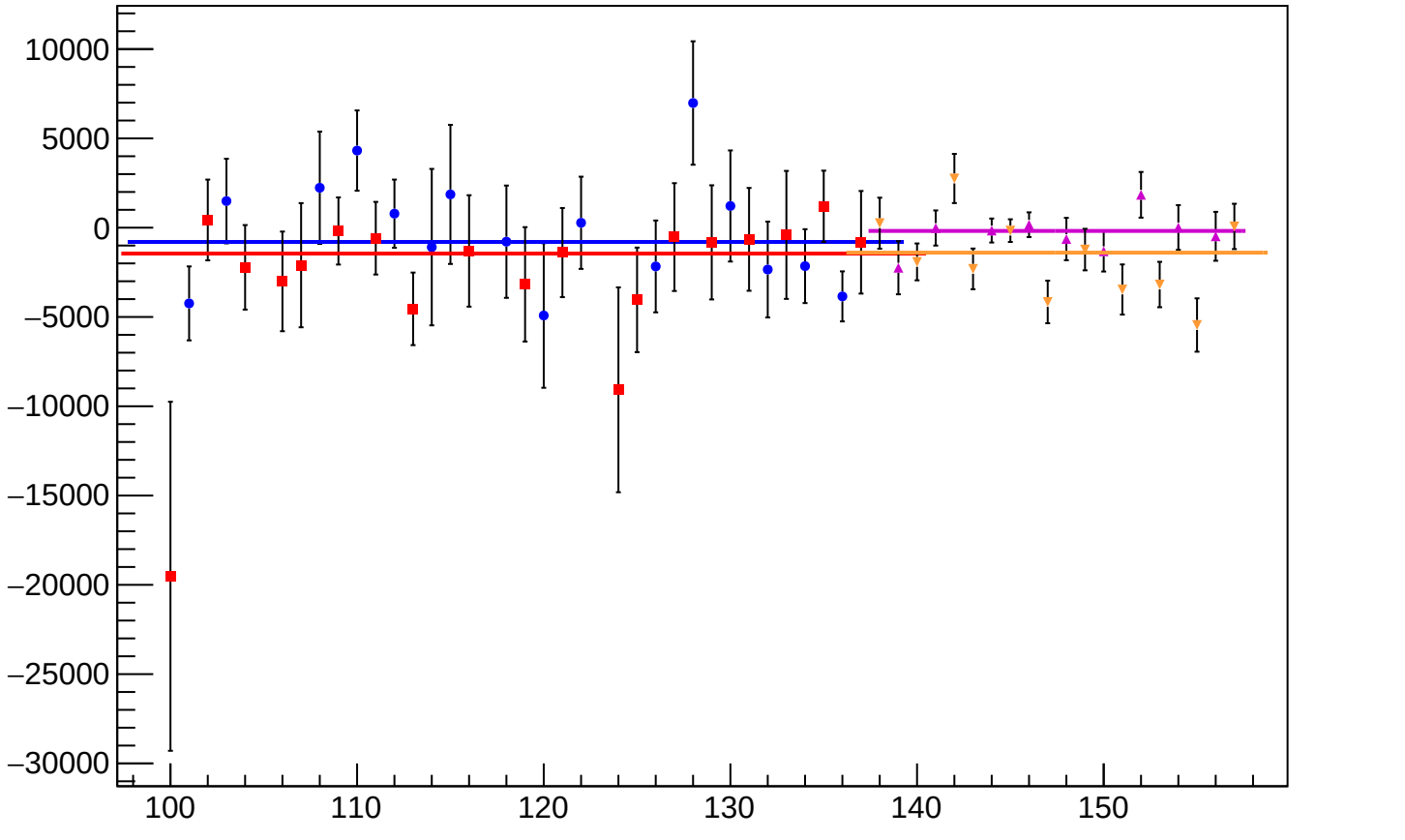
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.320+/-0.025 χ^2/NDF:373983.1/8

+ sign 106.388+/-0.020 χ^2/NDF: 1333049.9/26

All: 106.106+/-0.014 χ^2/NDF: 2922609.4/54

- sign 105.812+/-0.020 χ^2/NDF: 1589135.5/27



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1398.606+/-336.265 χ^2/NDF:33.3/10

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

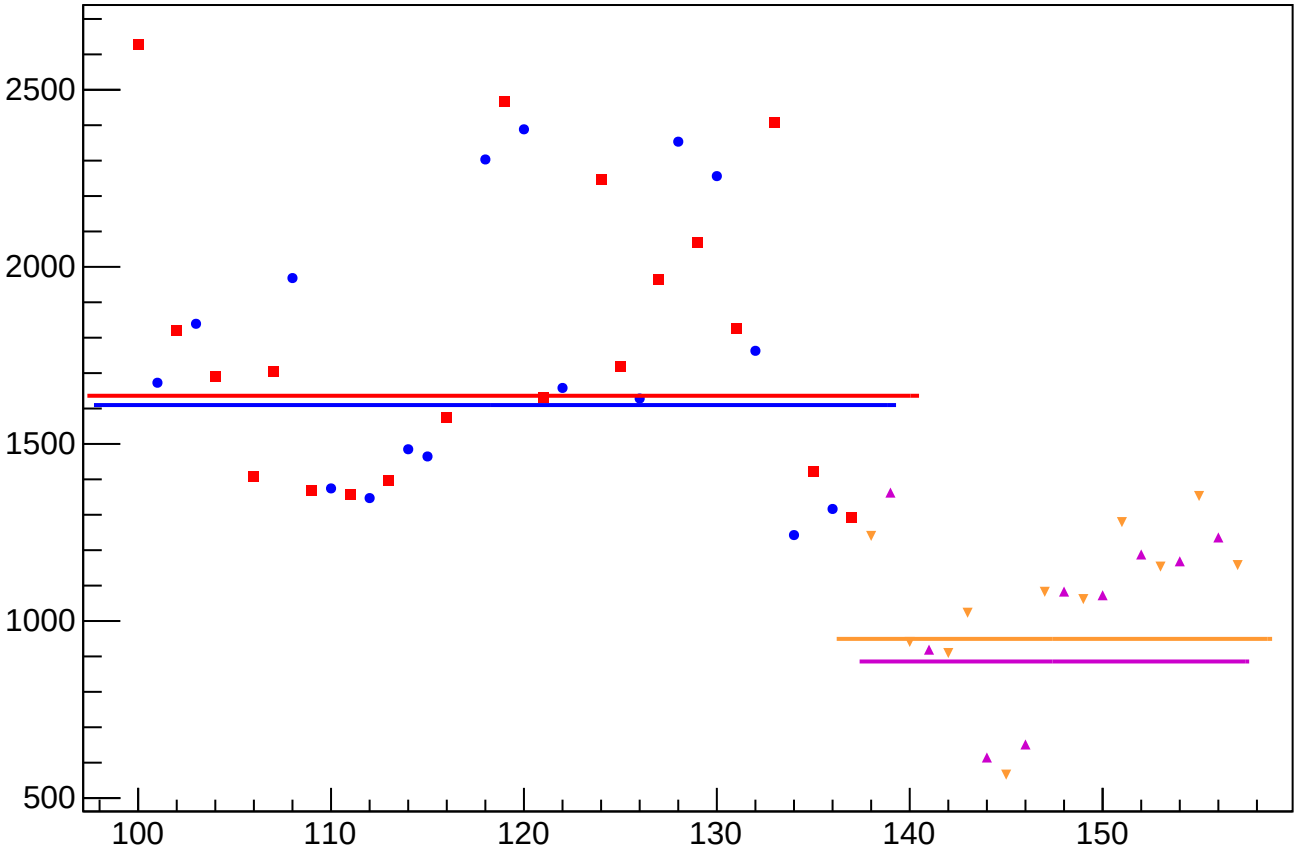
Left In: -181.771+/-332.270 χ^2/NDF:5.9/8

\+ sign -1260.981+/-295.153 χ^2/NDF: 57.5/26

All: -860.788+/-207.679 χ^2/NDF: 82.8/54

\- sign -468.369+/-292.272 χ^2/NDF: 21.7/27

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 949.550+/-0.238 χ^2/NDF:1226629.7/10

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

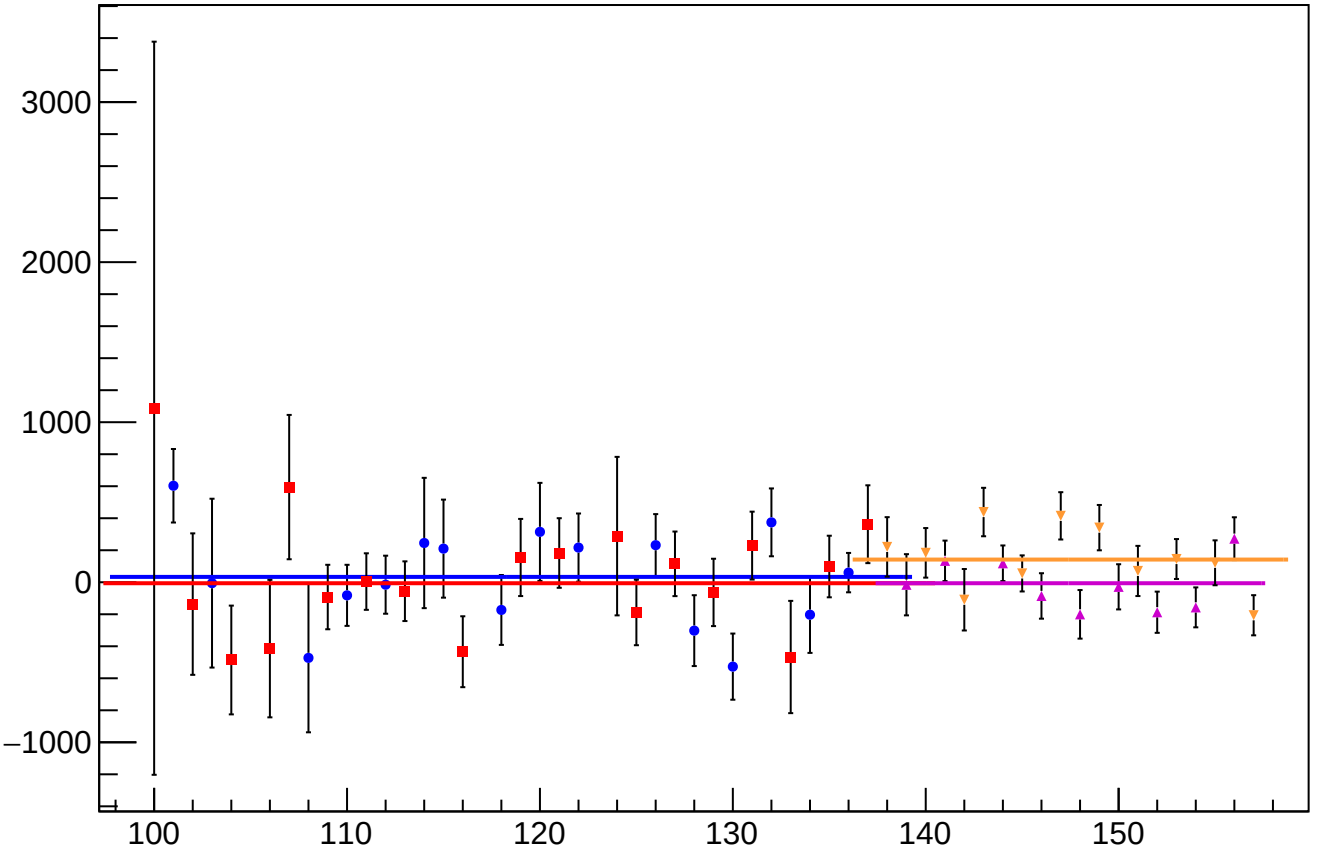
Left In: 885.717+/-0.235 χ^2/NDF:1217232.6/8

+ sign 1101.122+/-0.209 χ^2/NDF: 3615844.6/26

All: 1078.081+/-0.147 χ^2/NDF: 7692644.4/54

- sign 1055.488+/-0.207 χ^2/NDF: 4052661.2/27

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.756+/-43.236 χ^2/NDF:19.7/10

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

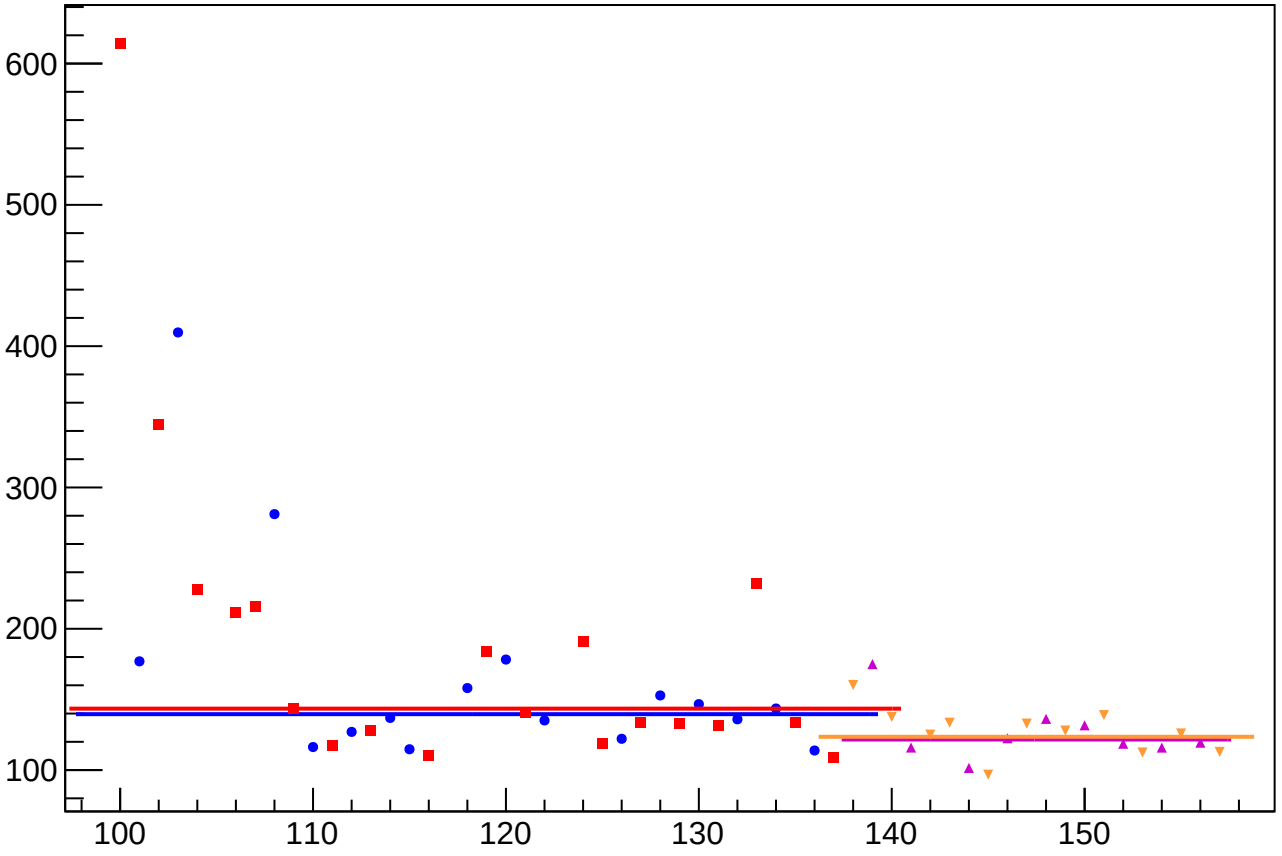
Left In: -6.069+/-44.973 χ^2/NDF:12.2/8

+ sign 100.312+/-33.969 χ^2/NDF: 47.3/26

All: 48.837+/-24.405 χ^2/NDF: 81.6/54

- sign -6.084+/-35.087 χ^2/NDF: 29.6/27

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 123.570+/-0.031 χ^2/NDF:275991.0/10

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

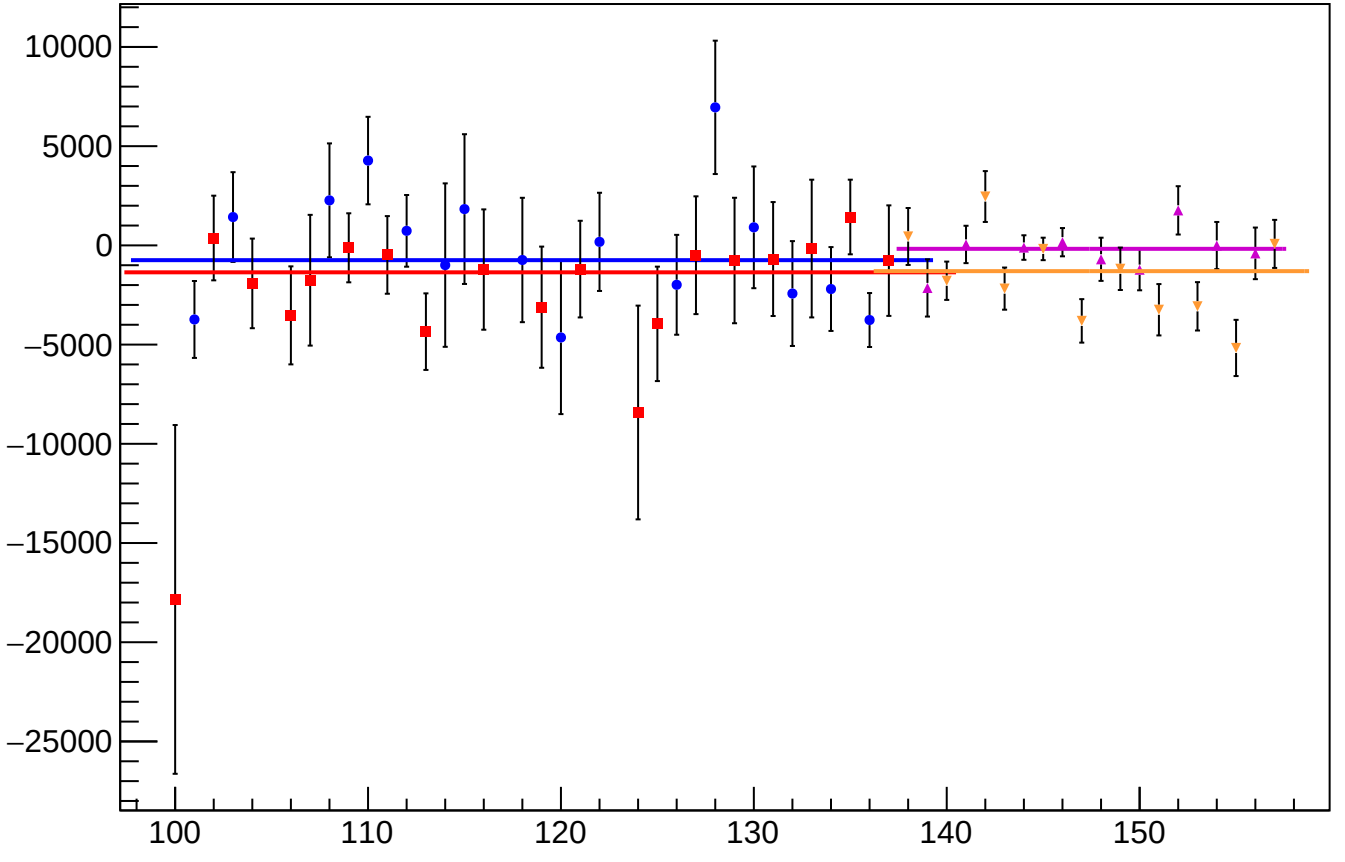
Left In: 121.615+/-0.032 χ^2/NDF:259854.9/8

+ sign 129.692+/-0.024 χ^2/NDF: 1357503.6/26

All: 129.924+/-0.017 χ^2/NDF: 2919194.2/54

- sign 130.171+/-0.025 χ^2/NDF: 1561498.6/27

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1298.250+/-311.078 χ^2/NDF:33.3/10

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

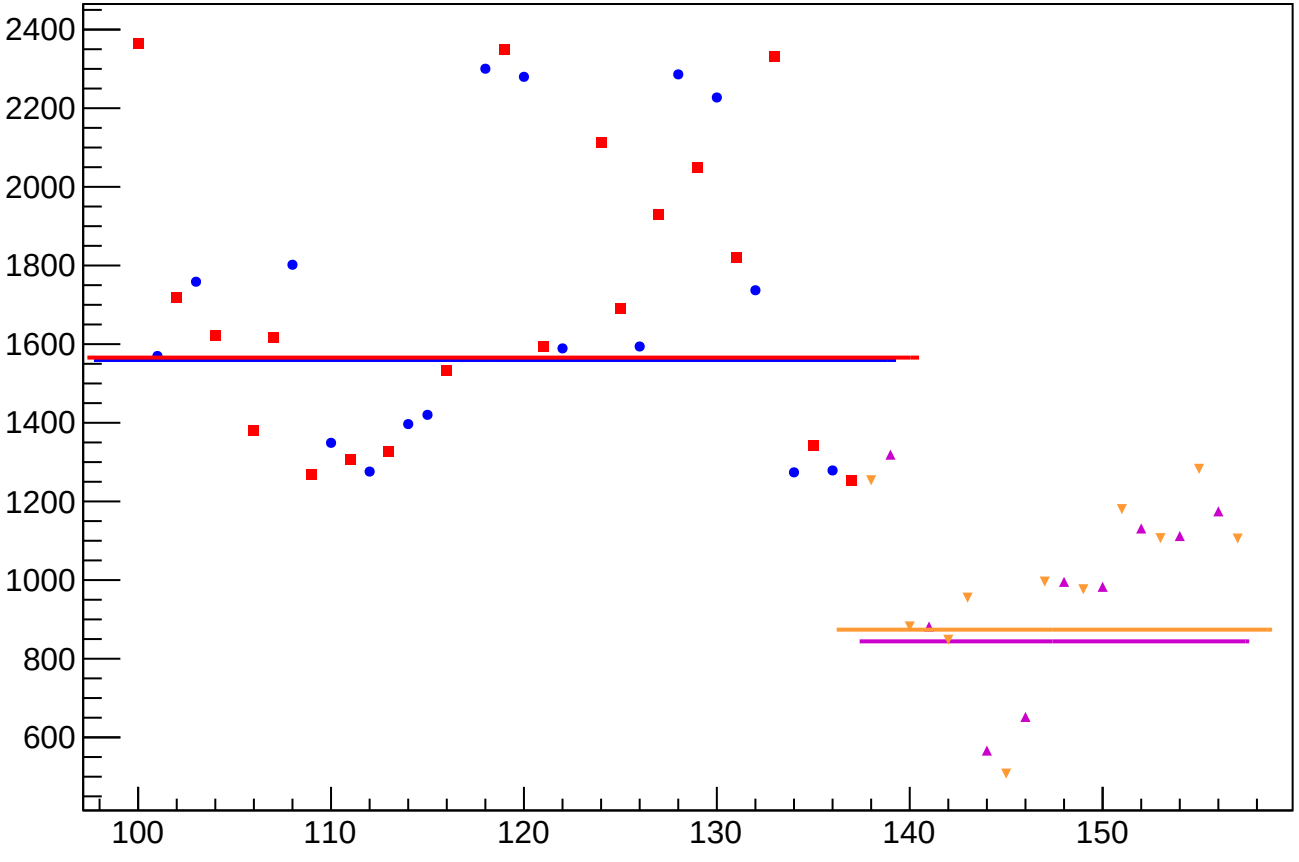
Left In: -173.661+/-317.110 χ^2/NDF:6.0/8

+ sign -1179.672+/-275.755 χ^2/NDF: 57.5/26

All: -814.997+/-196.081 χ^2/NDF: 83.7/54

- sign -442.029+/-278.873 χ^2/NDF: 22.7/27

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 873.925+/-0.220 χ^2/NDF:1458015.3/10

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

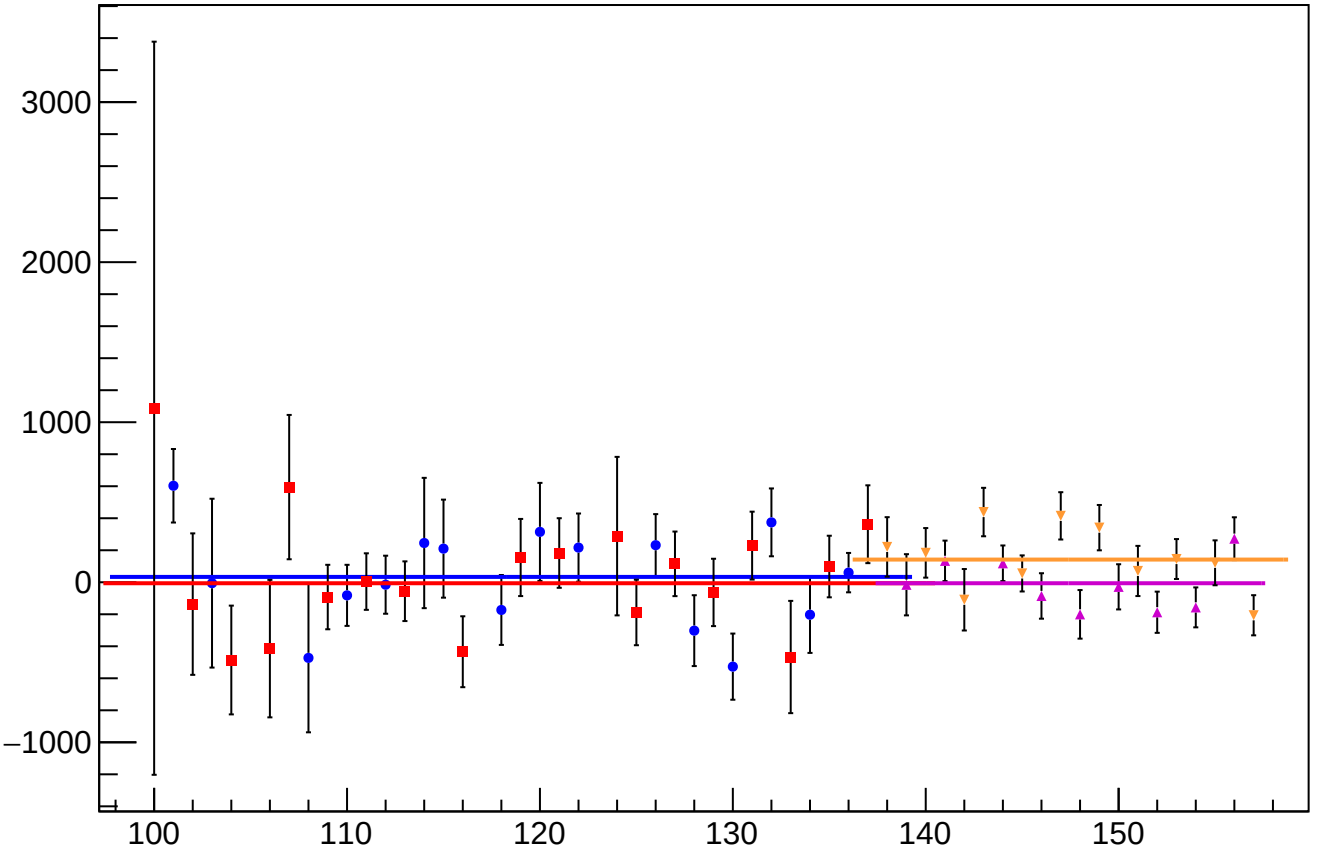
Left In: 844.164+/-0.224 χ^2/NDF:1186085.0/8

+ sign 1020.829+/-0.195 χ^2/NDF: 4144471.8/26

All: 1014.340+/-0.139 χ^2/NDF: 8243886.1/54

- sign 1007.704+/-0.197 χ^2/NDF: 4097174.2/27

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 141.759+/-43.236 χ^2/NDF:19.7/10

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

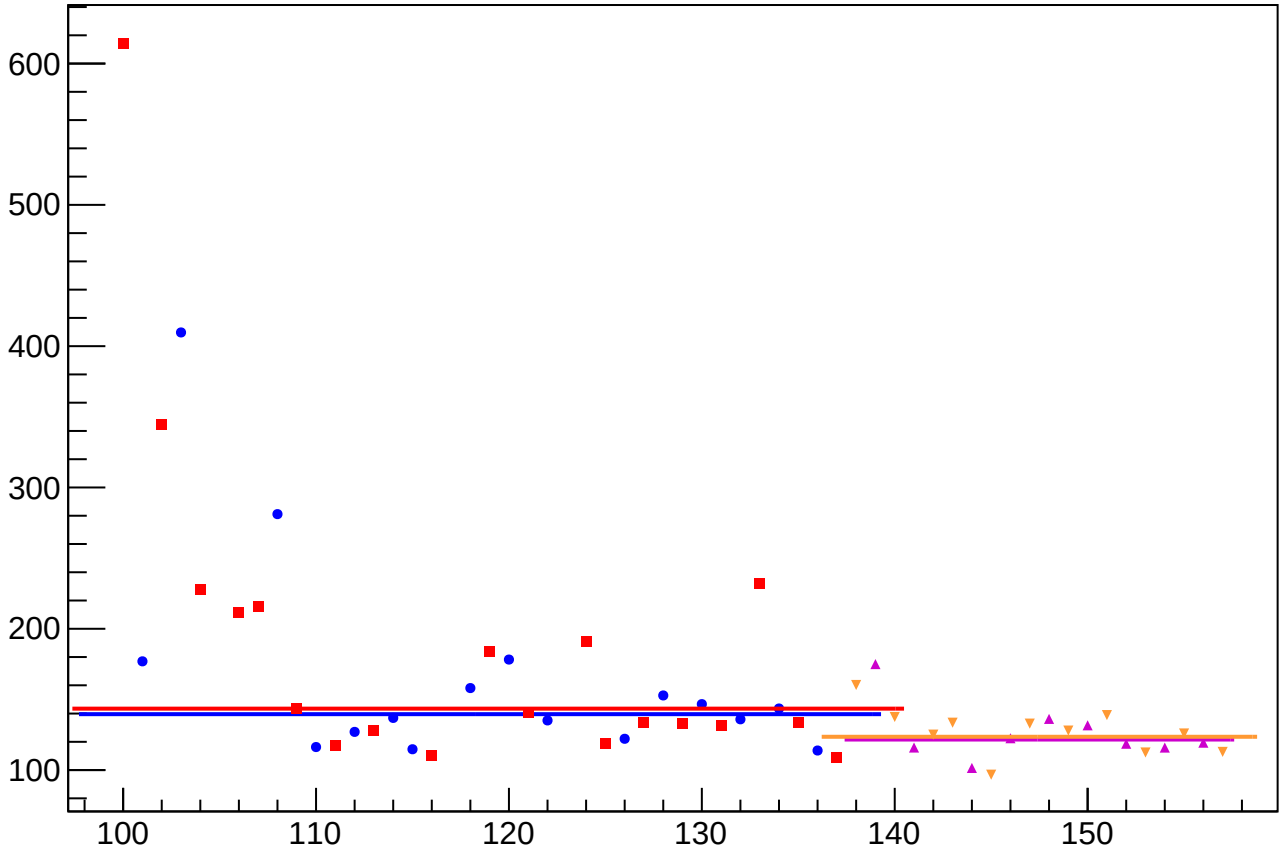
Left In: -6.069+/-44.973 χ^2/NDF:12.2/8

+ sign 100.313+/-33.969 χ^2/NDF: 47.3/26

All: 48.838+/-24.406 χ^2/NDF: 81.6/54

- sign -6.082+/-35.087 χ^2/NDF: 29.6/27

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 123.571+/-0.031 χ^2/NDF:275995.4/10

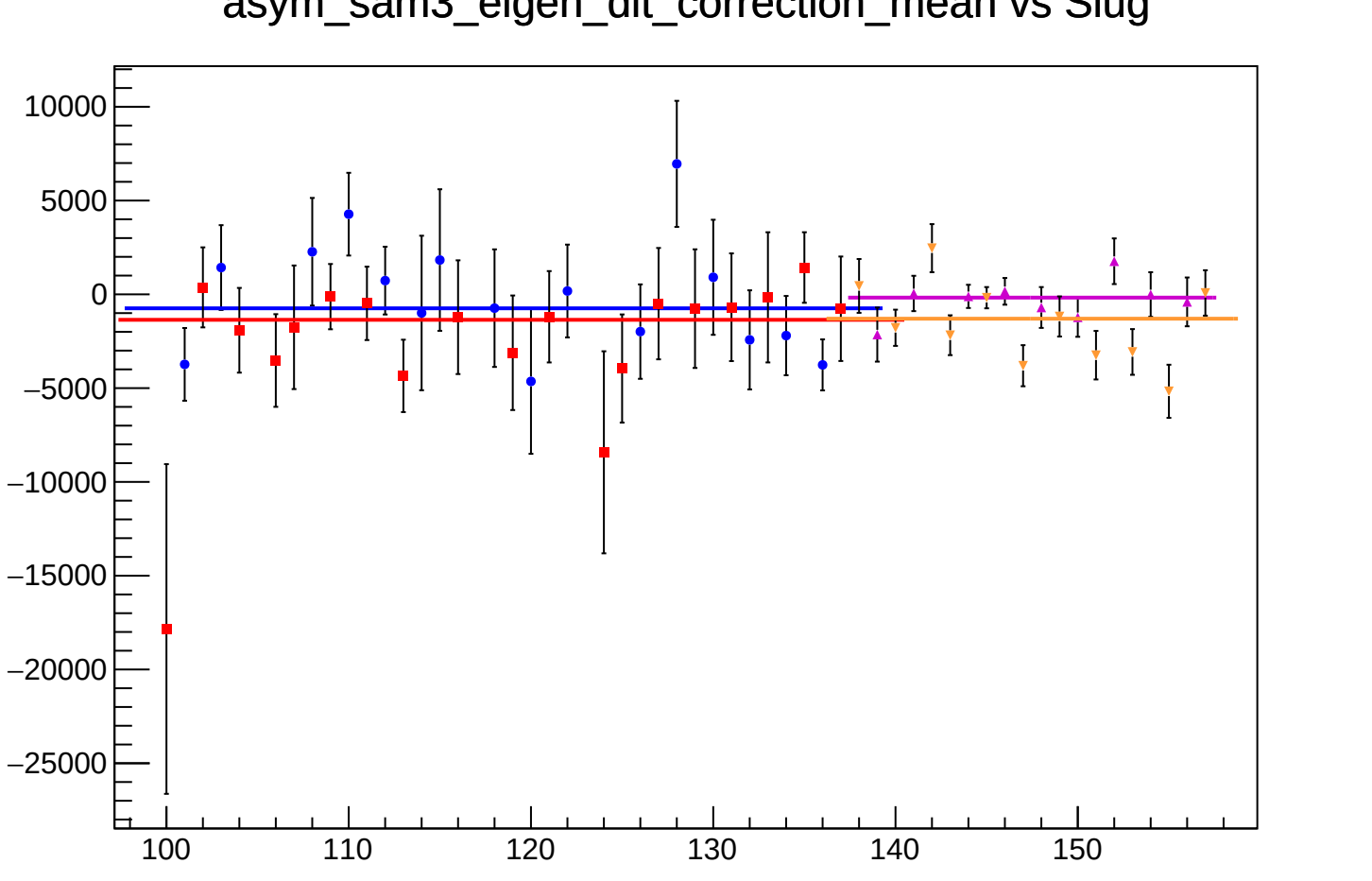
Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 121.616+/-0.032 χ^2/NDF:259851.2/8

+ sign 129.693+/-0.024 χ^2/NDF: 1357502.1/26

All: 129.925+/-0.017 χ^2/NDF: 2919188.7/54

- sign 130.172+/-0.025 χ^2/NDF: 1561494.6/27



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1298.251+/-311.077 χ^2/NDF:33.3/10

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

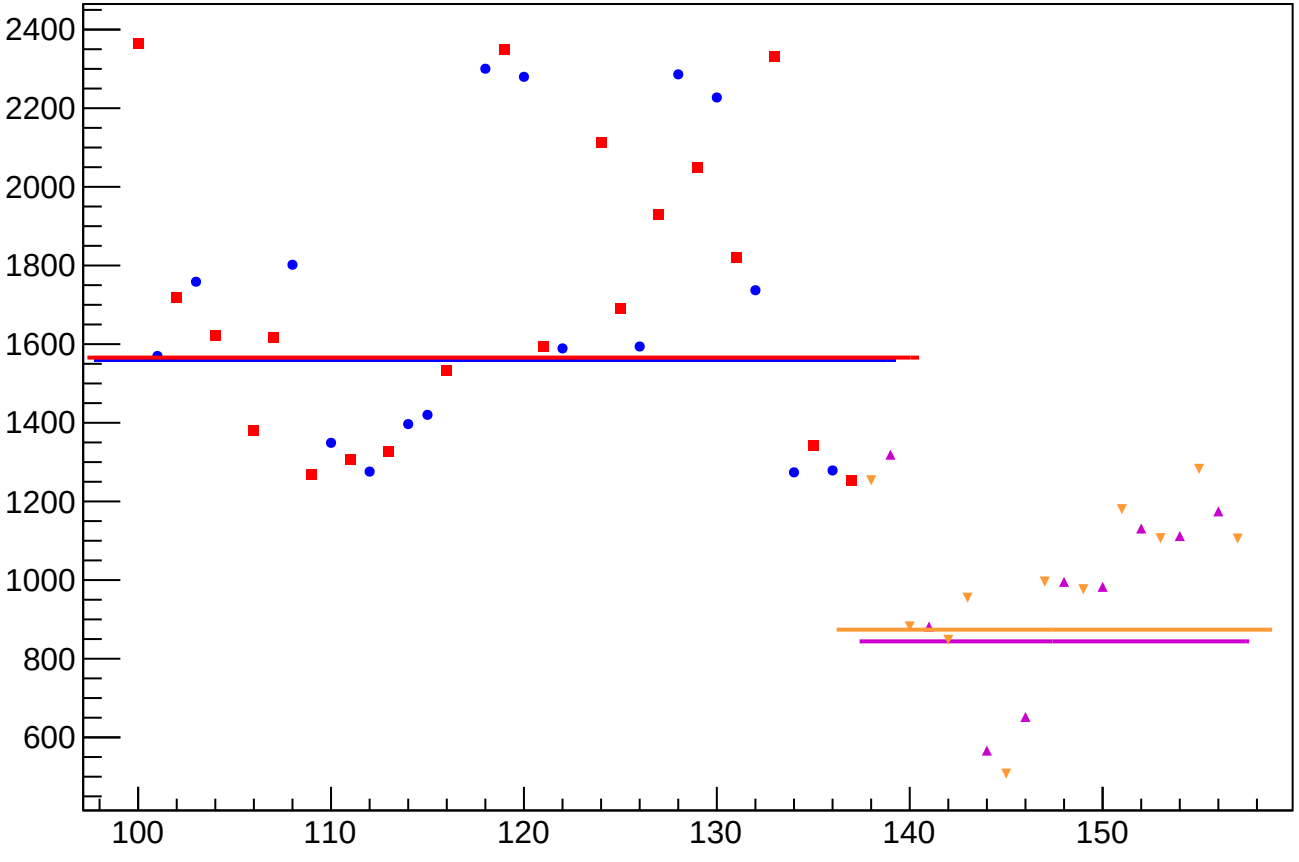
Left In: -173.660+/-317.109 χ^2/NDF:6.0/8

+ sign -1179.673+/-275.754 χ^2/NDF: 57.5/26

All: -814.997+/-196.081 χ^2/NDF: 83.7/54

- sign -442.028+/-278.872 χ^2/NDF: 22.7/27

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 873.924+/-0.220 χ^2/NDF:1458012.2/10

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

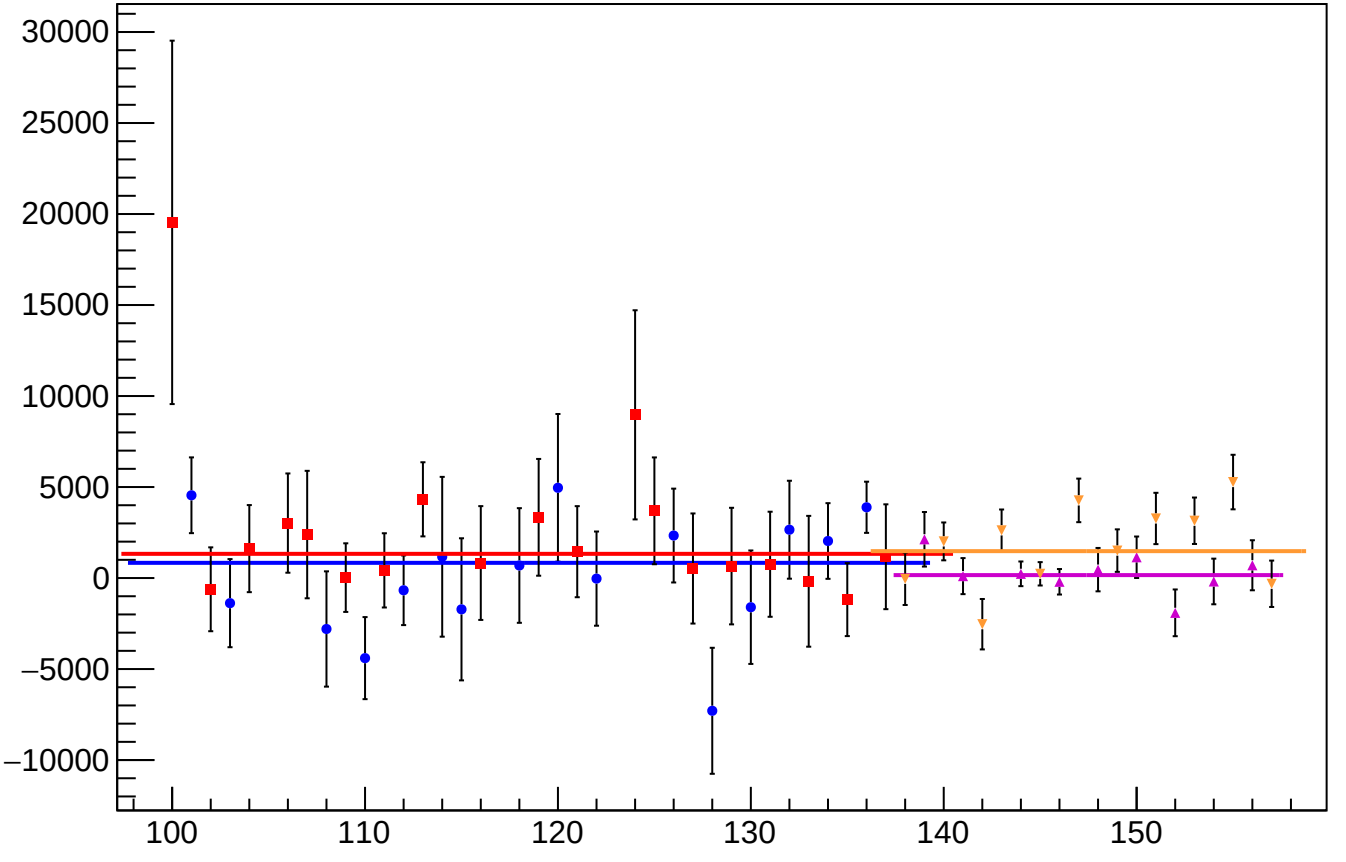
Left In: 844.163+/-0.224 χ^2/NDF:1186082.4/8

+ sign 1020.828+/-0.195 χ^2/NDF: 4144470.1/26

All: 1014.339+/-0.139 χ^2/NDF: 8243878.4/54

- sign 1007.703+/-0.197 χ^2/NDF: 4097168.1/27

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1477.511+/-338.489 χ^2/NDF:31.7/10

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

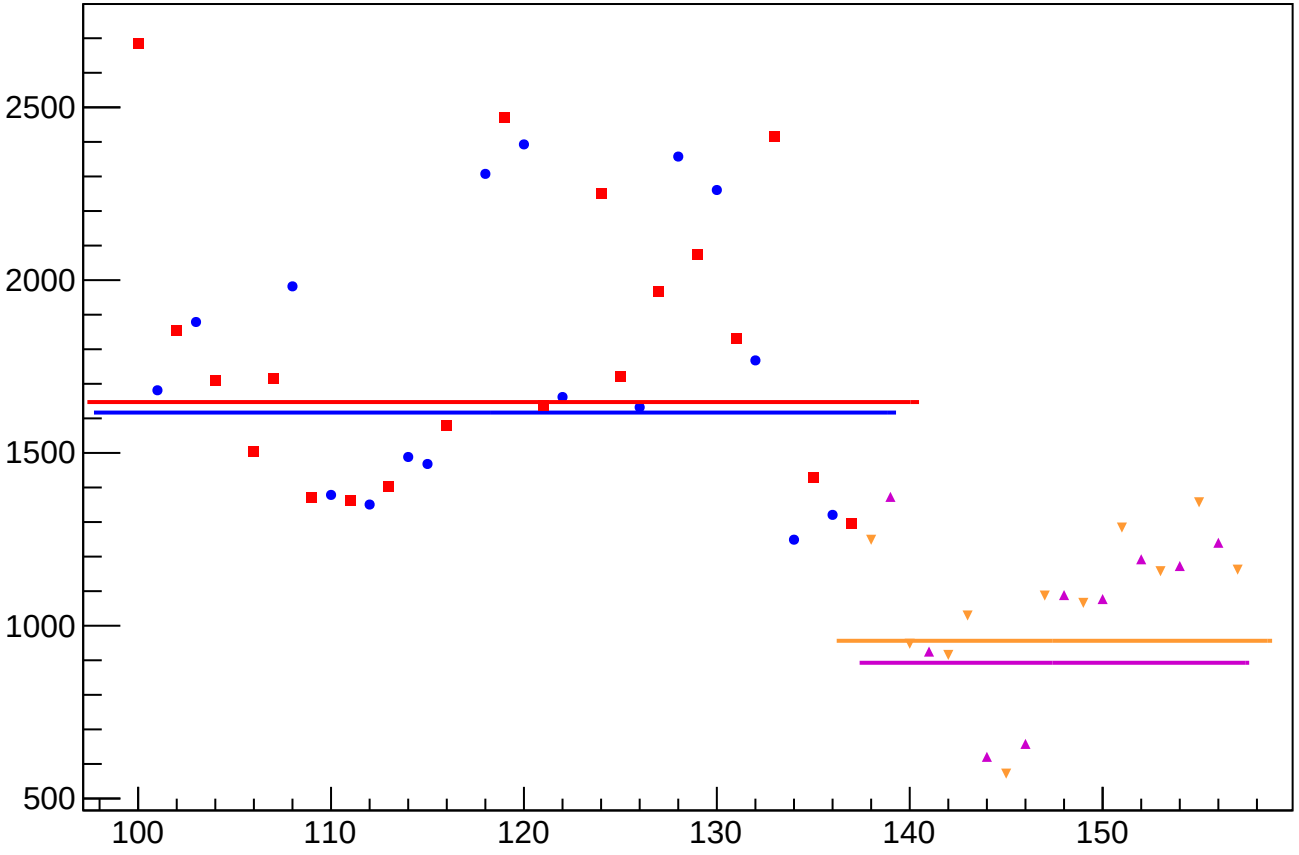
Left In: 161.391+/-334.678 χ^2/NDF:5.7/8

\+ sign 1329.643+/-296.962 χ^2/NDF: 57.4/26

All: 874.157+/-208.973 χ^2/NDF: 82.6/54

\- sign 427.336+/-294.124 χ^2/NDF: 20.5/27

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 956.418+/-0.239 χ^2/NDF:1204698.8/10

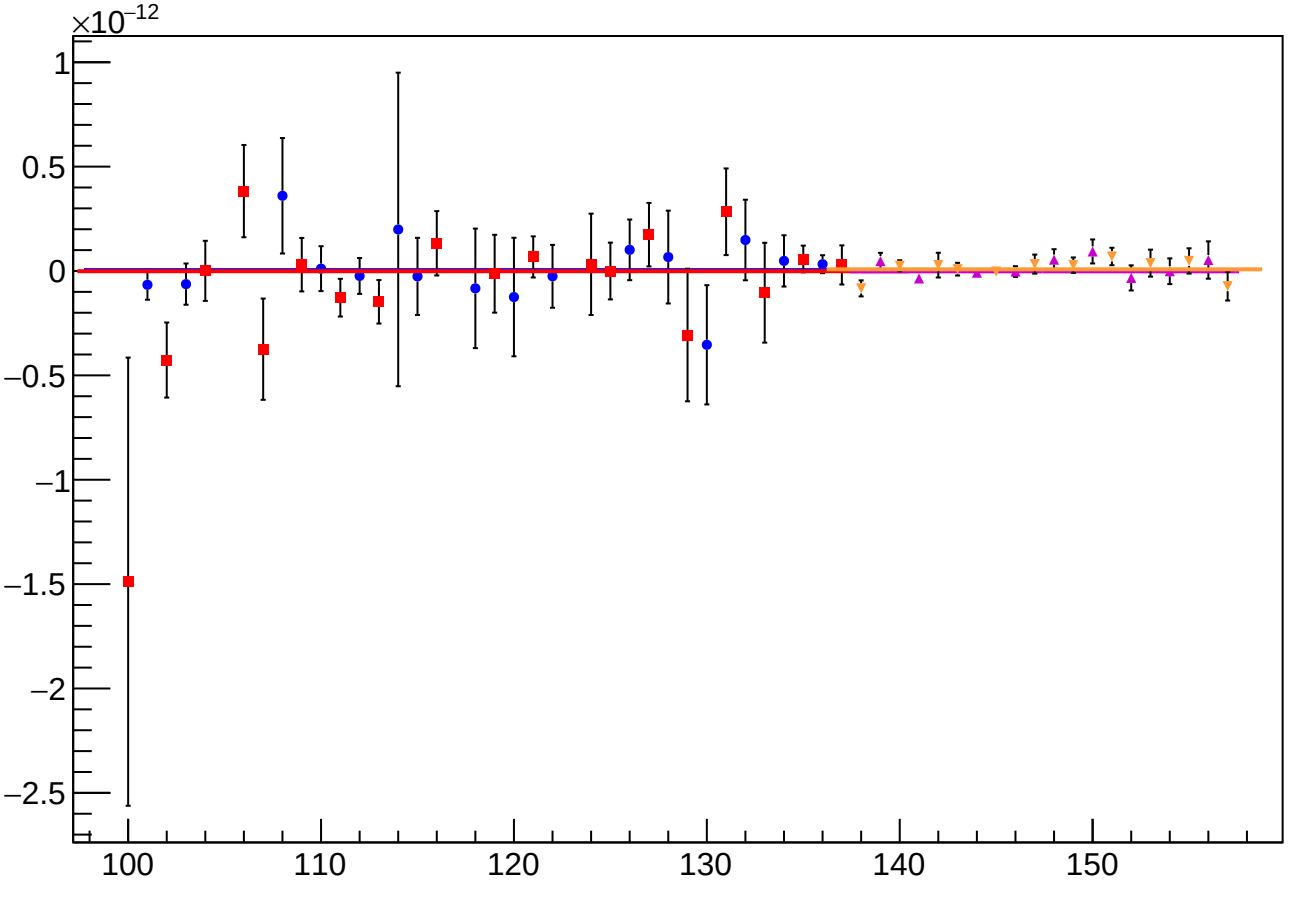
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 892.773+/-0.237 χ^2/NDF:1197339.1/8

\+ sign 1108.517+/-0.210 χ^2/NDF: 3580303.4/26

All: 1086.315+/-0.148 χ^2/NDF: 7637507.3/54

\- sign 1064.536+/-0.208 χ^2/NDF: 4035058.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

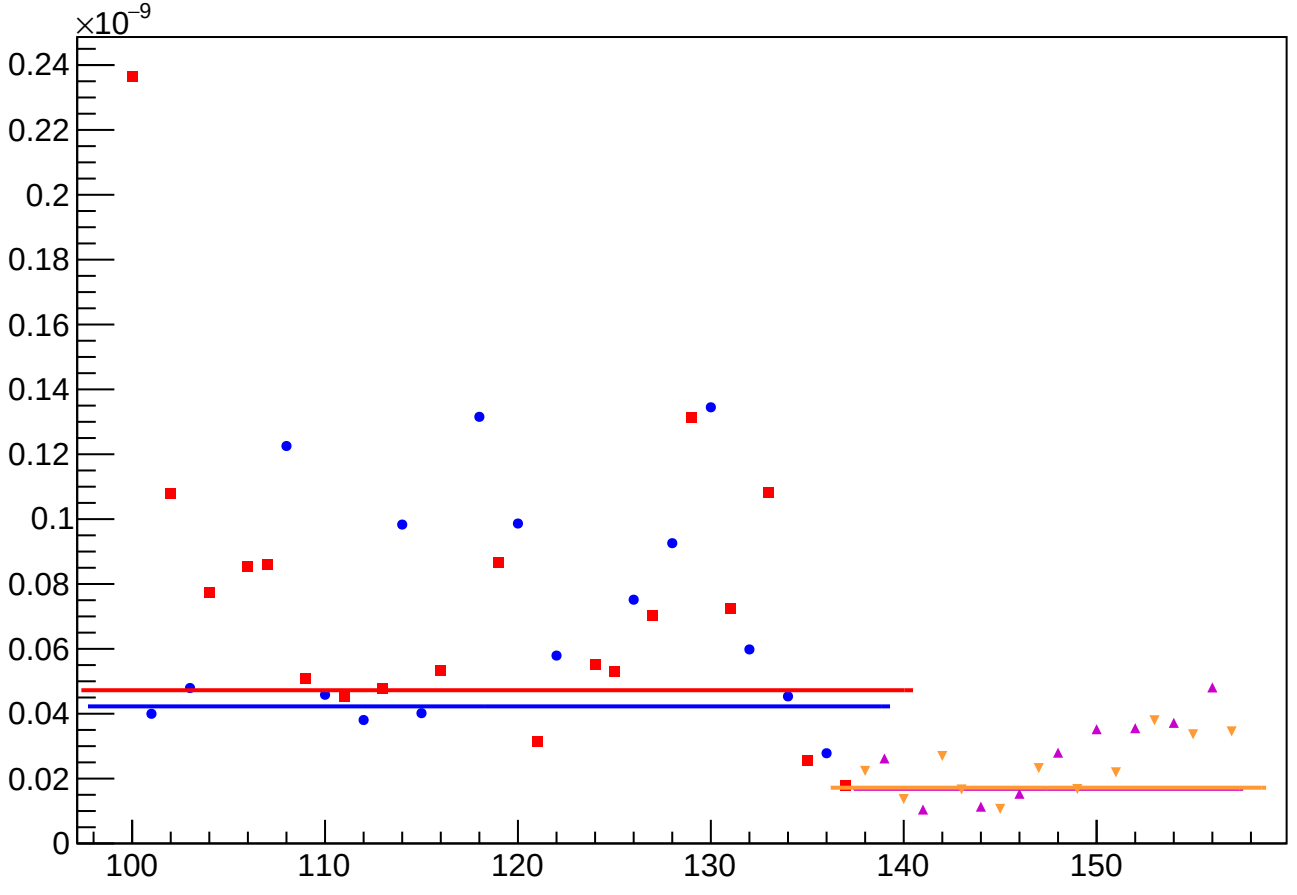
Left In: -0.000+/-0.000 χ^2/NDF:8.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/26

All: 0.000+/-0.000 χ^2/NDF: 50.3/54

- sign -0.000+/-0.000 χ^2/NDF: 31.8/27

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:919570.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

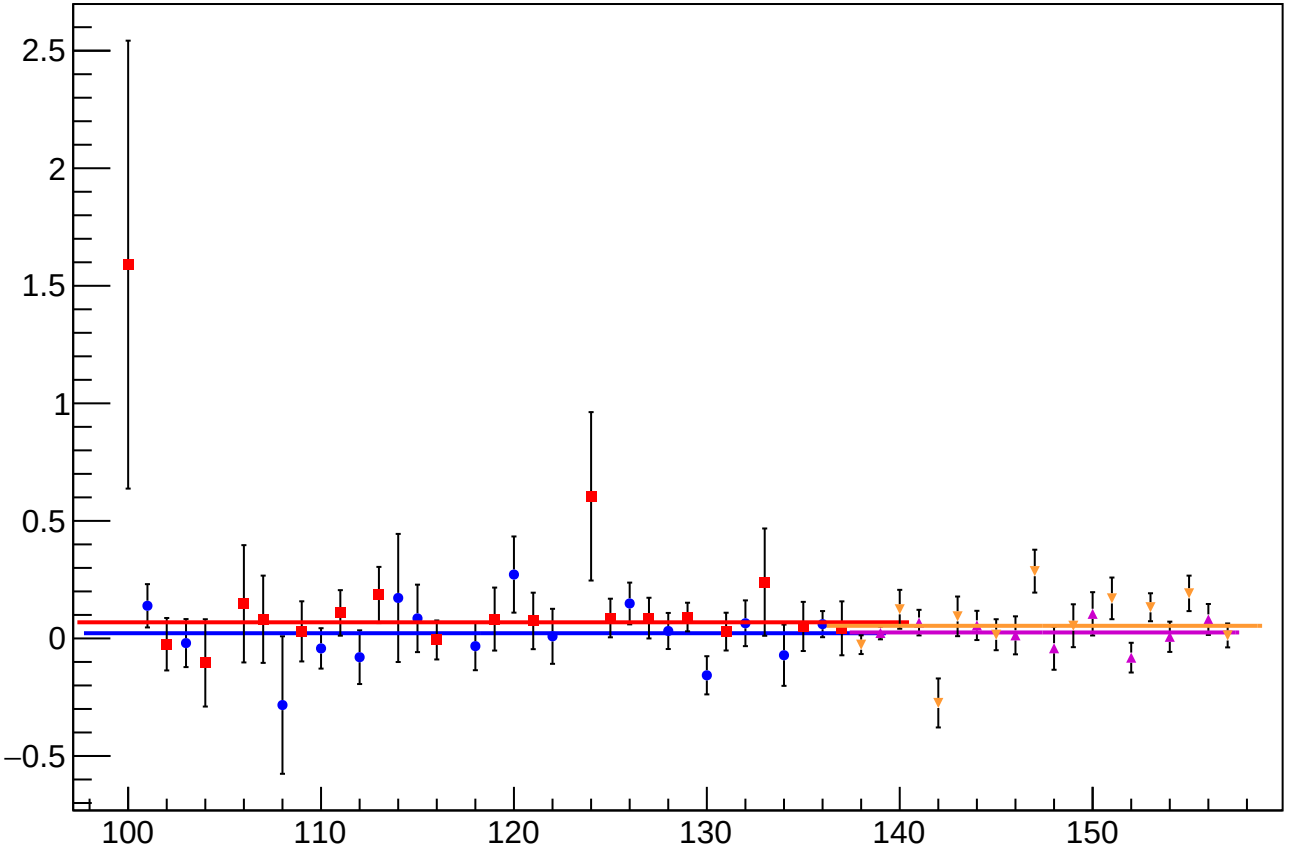
Left In: 0.000+/-0.000 χ^2/NDF:1406595.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3538654.4/26

All: 0.000+/-0.000 χ^2/NDF: 8137442.5/54

- sign 0.000+/-0.000 χ^2/NDF: 4598598.4/27

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

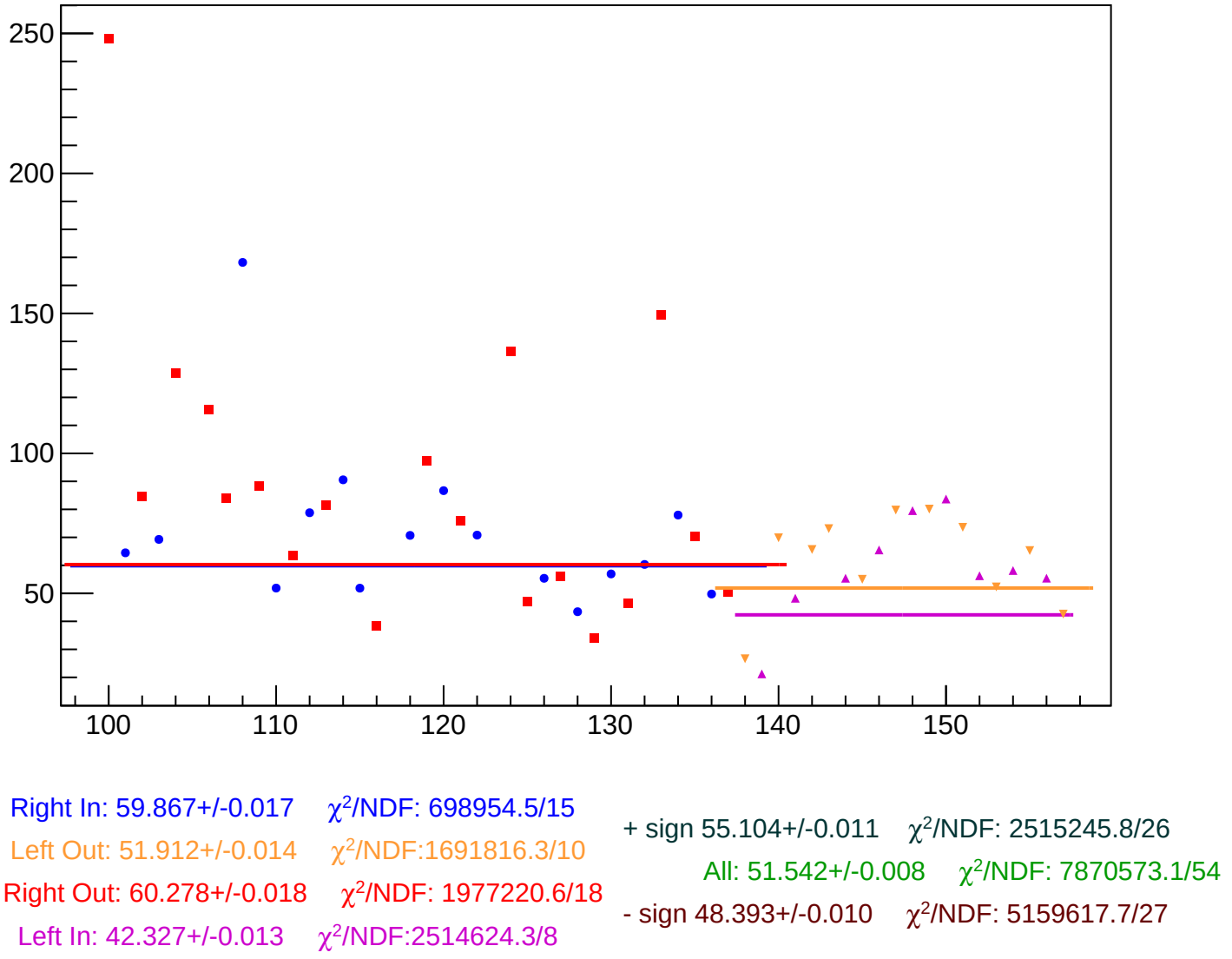
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.025+/-0.018 χ^2/NDF:5.8/8

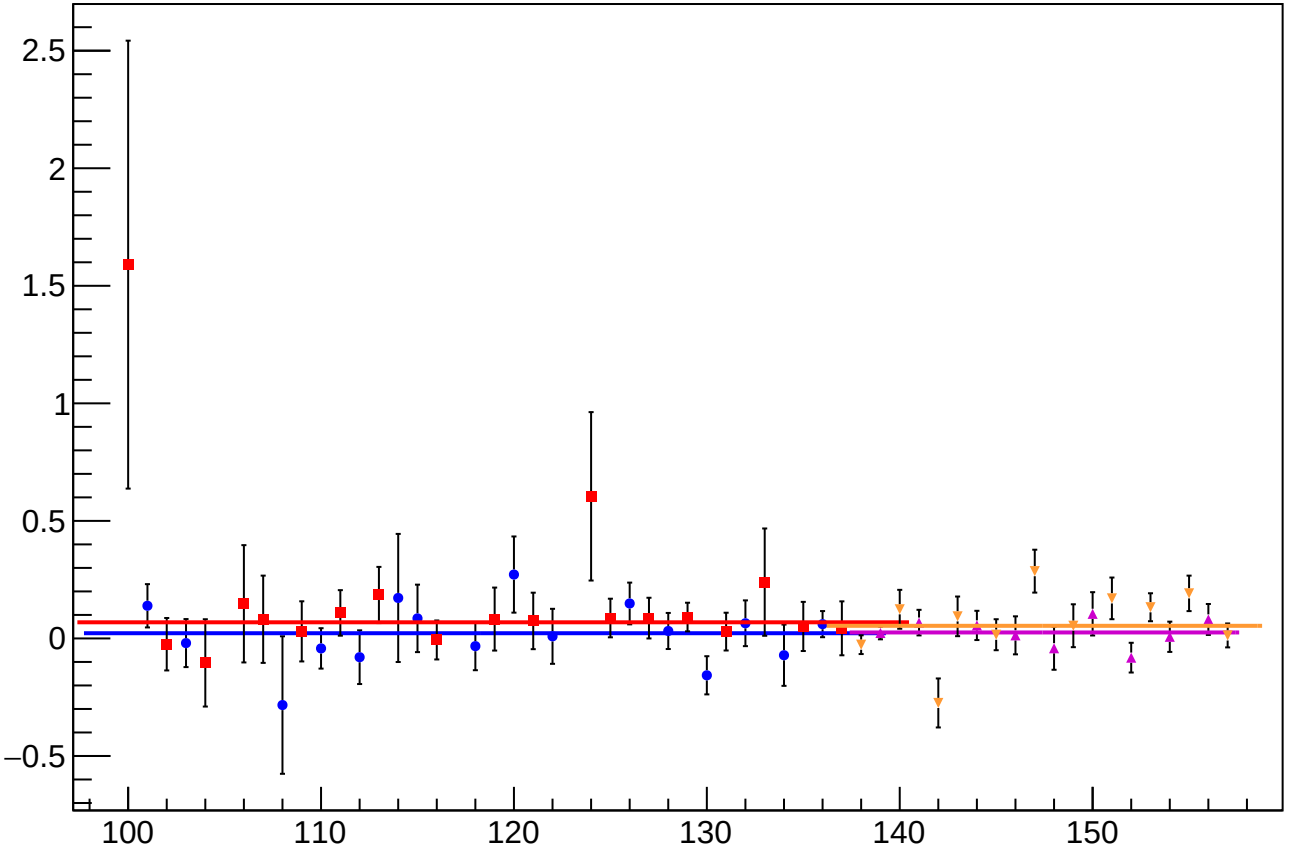
+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.041+/-0.011 χ^2/NDF: 63.0/54

- sign 0.040+/-0.015 χ^2/NDF: 17.3/27


asym_sam3_dit_vs_cor_diff_rms vs Slug
250
200
150
100
50
100
110
120
130
140
150
Right In: 59.867+/-0.017 χ²/NDF: 698954.5/15
Left Out: 51.912+/-0.014 χ²/NDF:1691816.3/10
Right Out: 60.278+/-0.018 χ²/NDF: 1977220.6/18
Left In: 42.327+/-0.013 χ²/NDF:2514624.3/8
+ sign 55.104+/-0.011 χ²/NDF: 2515245.8/26
All: 51.542+/-0.008 χ²/NDF: 7870573.1/54
- sign 48.393+/-0.010 χ²/NDF: 5159617.7/27

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

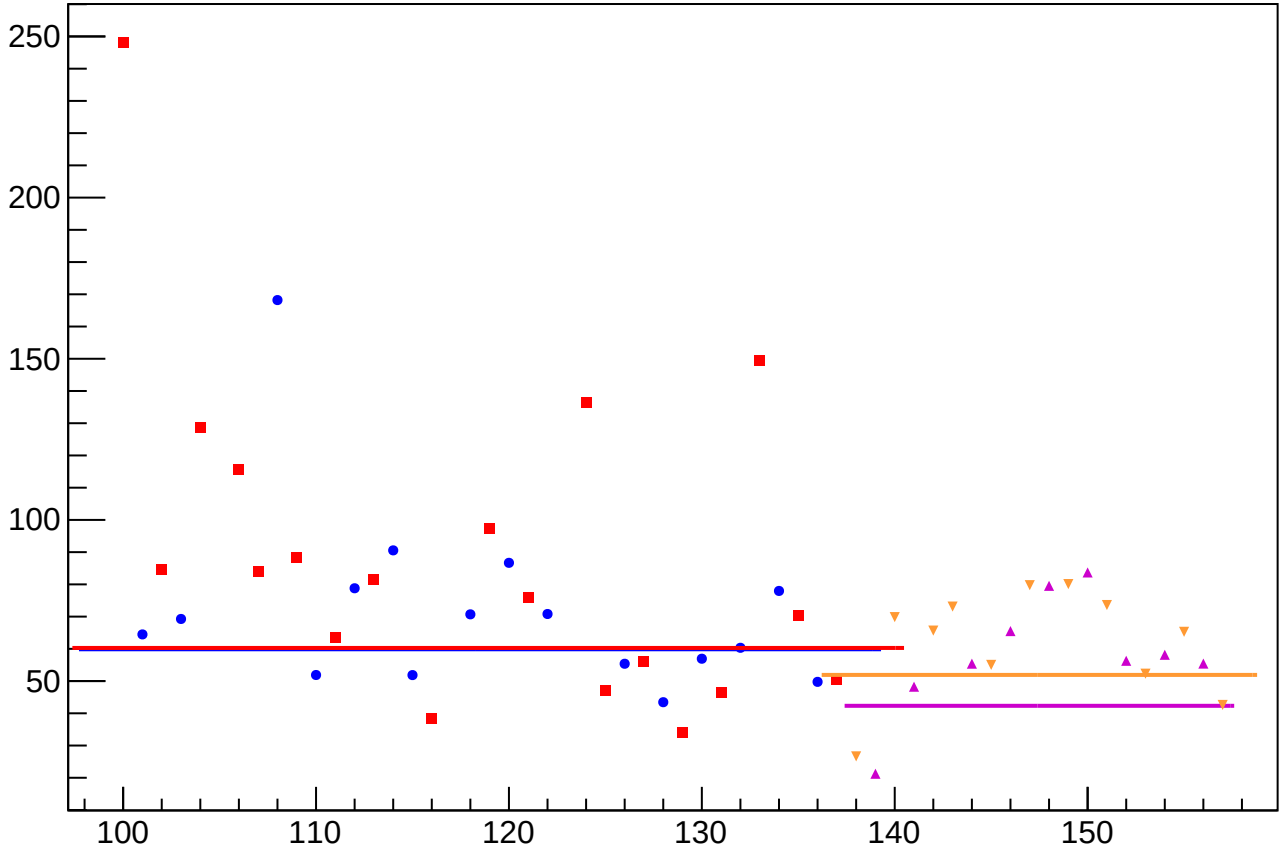
Left In: 0.025+/-0.018 χ^2/NDF:5.8/8

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.041+/-0.011 χ^2/NDF: 63.0/54

- sign 0.040+/-0.015 χ^2/NDF: 17.3/27

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 51.912+/-0.014 χ^2/NDF:1691816.3/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

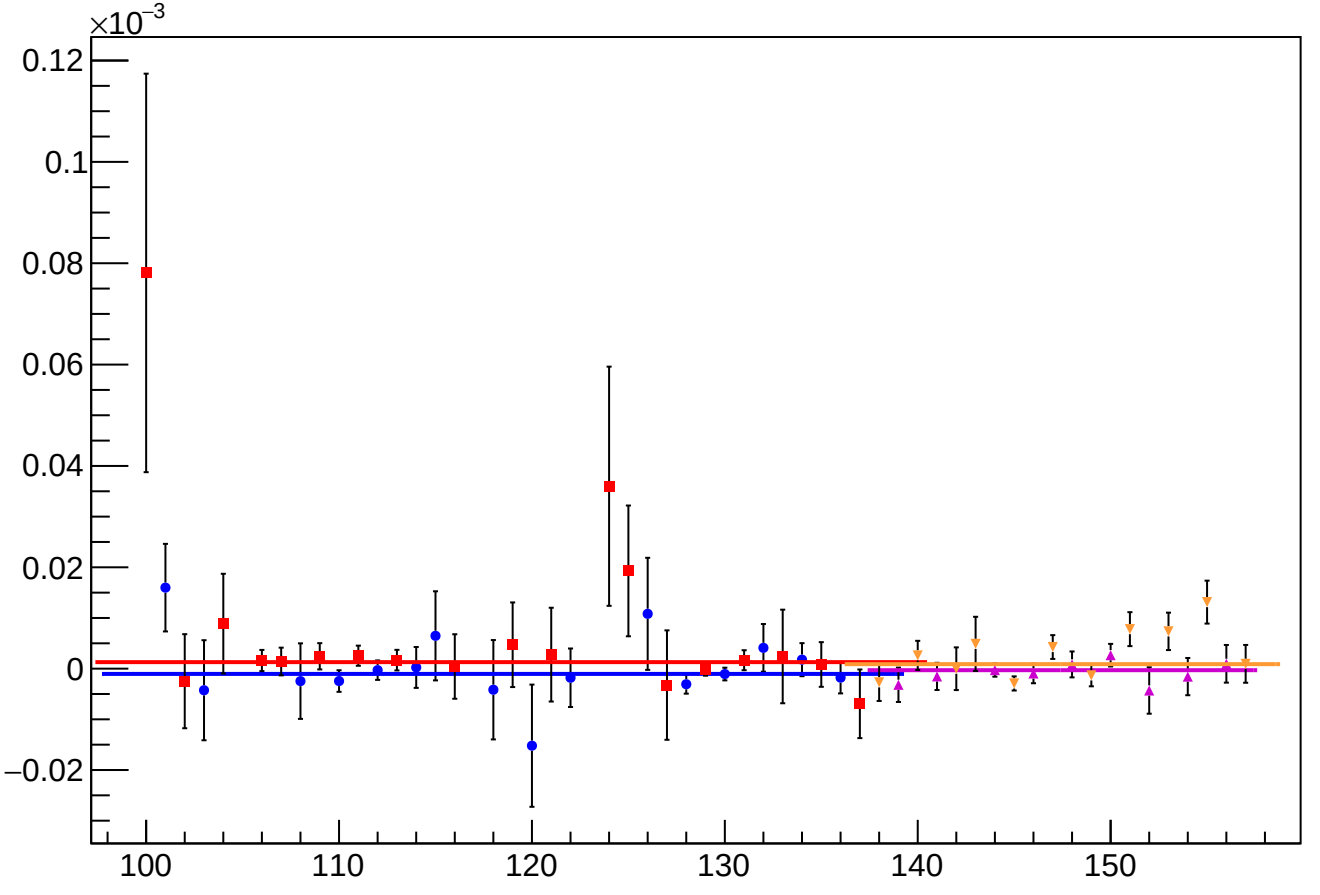
Left In: 42.327+/-0.013 χ^2/NDF:2514624.3/8

+ sign 55.104+/-0.011 χ^2/NDF: 2515245.8/26

All: 51.542+/-0.008 χ^2/NDF: 7870573.1/54

- sign 48.393+/-0.010 χ^2/NDF: 5159617.7/27

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

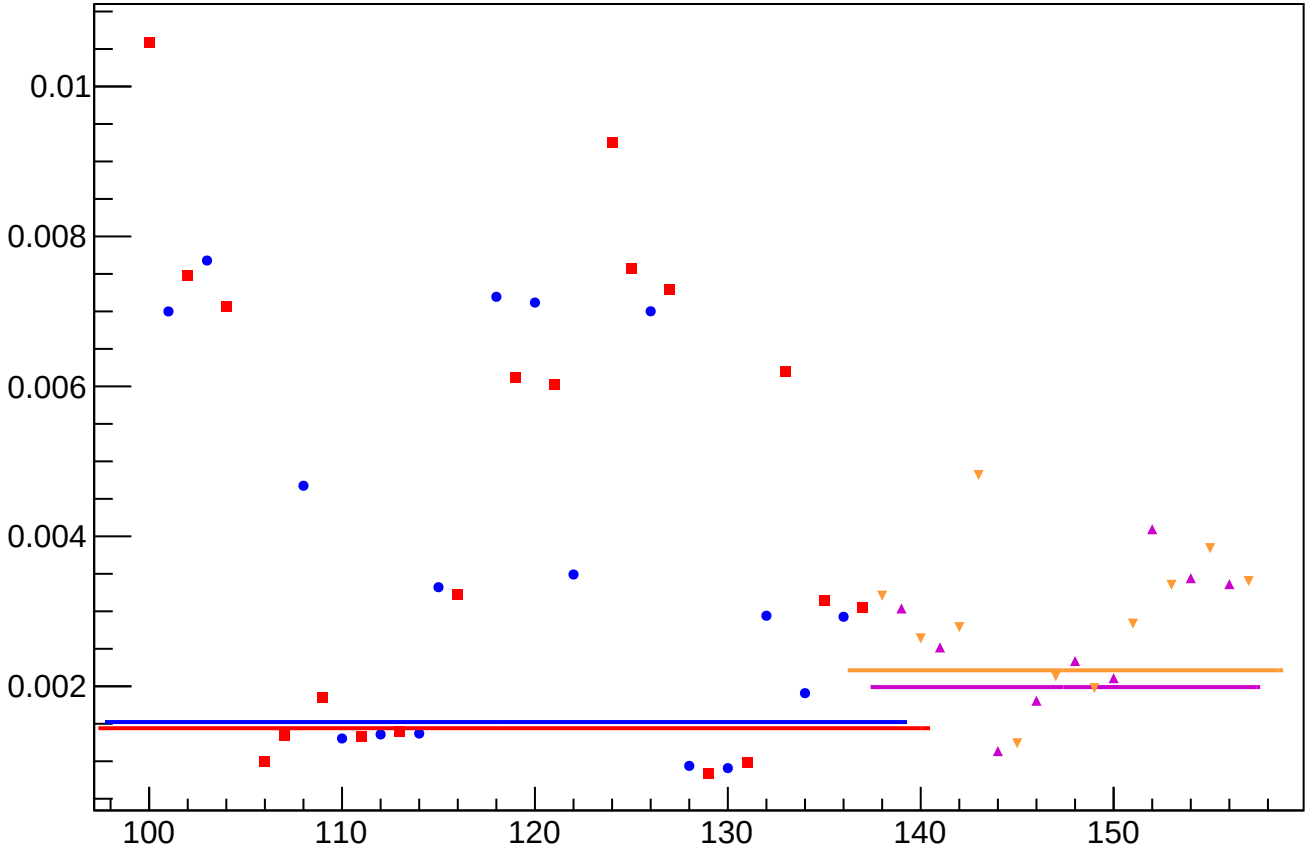
Left In: -0.000+/-0.000 χ^2/NDF:4.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/26

All: 0.000+/-0.000 χ^2/NDF: 62.2/54

- sign 0.000+/-0.000 χ^2/NDF: 18.8/27

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2456478.3/10

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

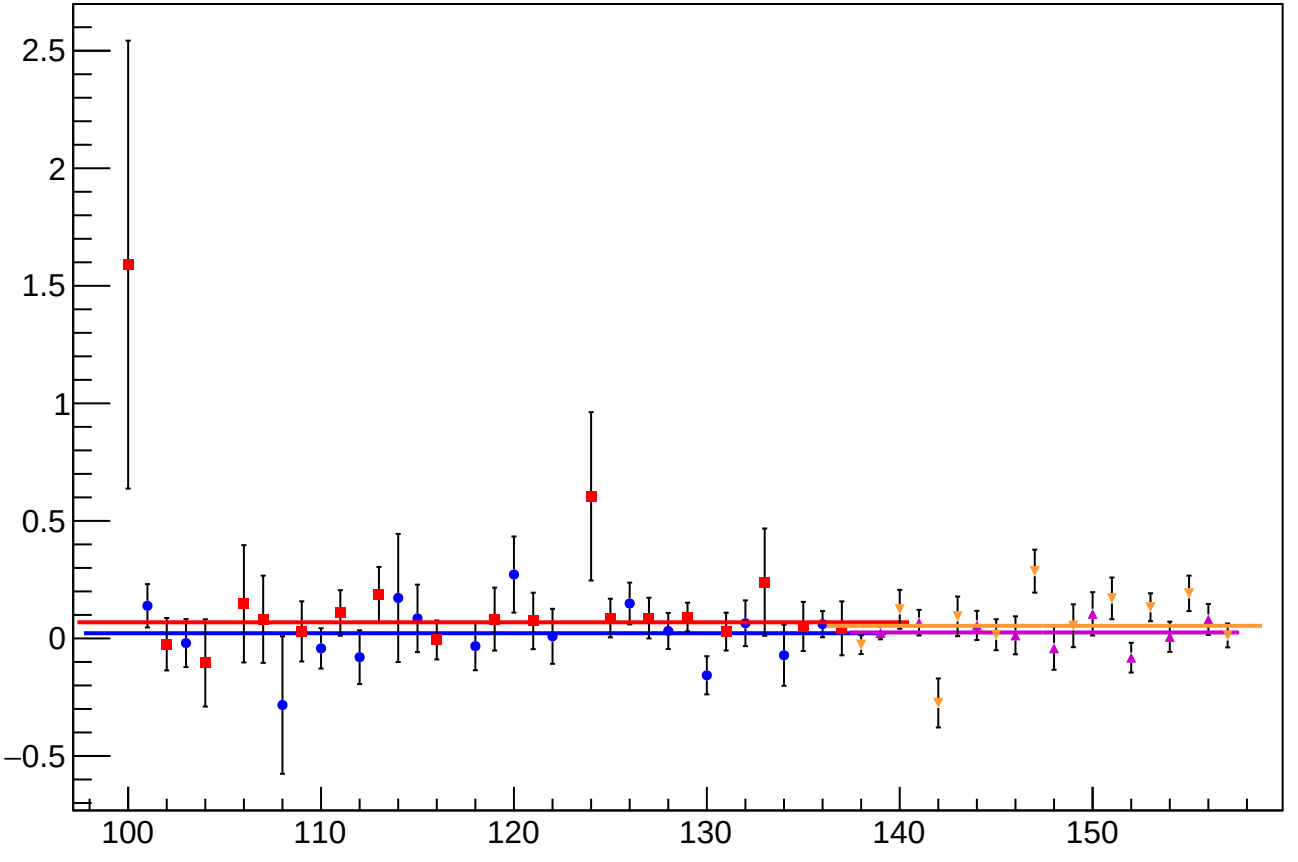
Left In: 0.002+/-0.000 χ^2/NDF:2191994.2/8

+ sign 0.002+/-0.000 χ^2/NDF: 8420227.8/26

All: 0.002+/-0.000 χ^2/NDF: 17023947.6/54

- sign 0.002+/-0.000 χ^2/NDF: 8527604.5/27

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

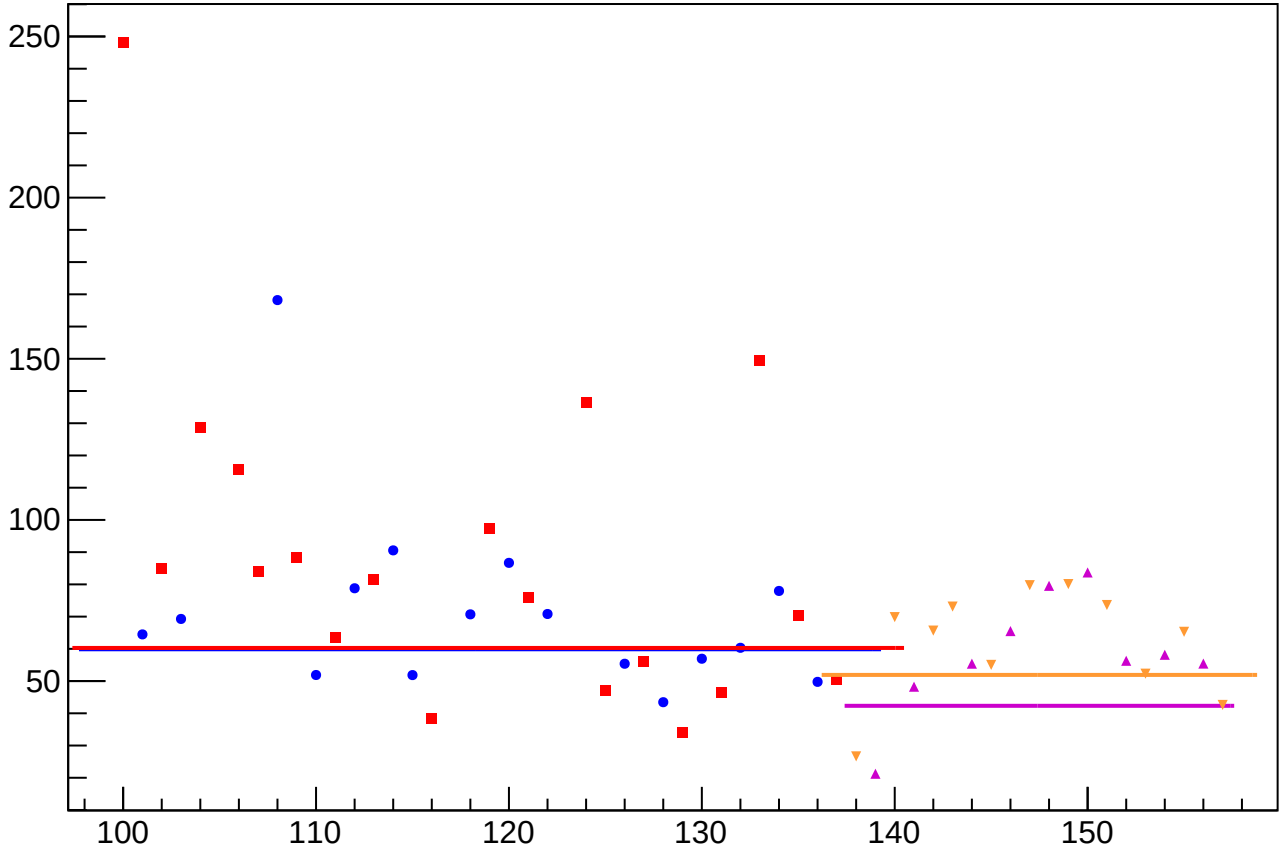
Left In: 0.025+/-0.018 χ^2/NDF:5.8/8

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.041+/-0.011 χ^2/NDF: 63.0/54

- sign 0.040+/-0.015 χ^2/NDF: 17.3/27

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 51.913+/-0.014 χ^2/NDF:1692124.0/10

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

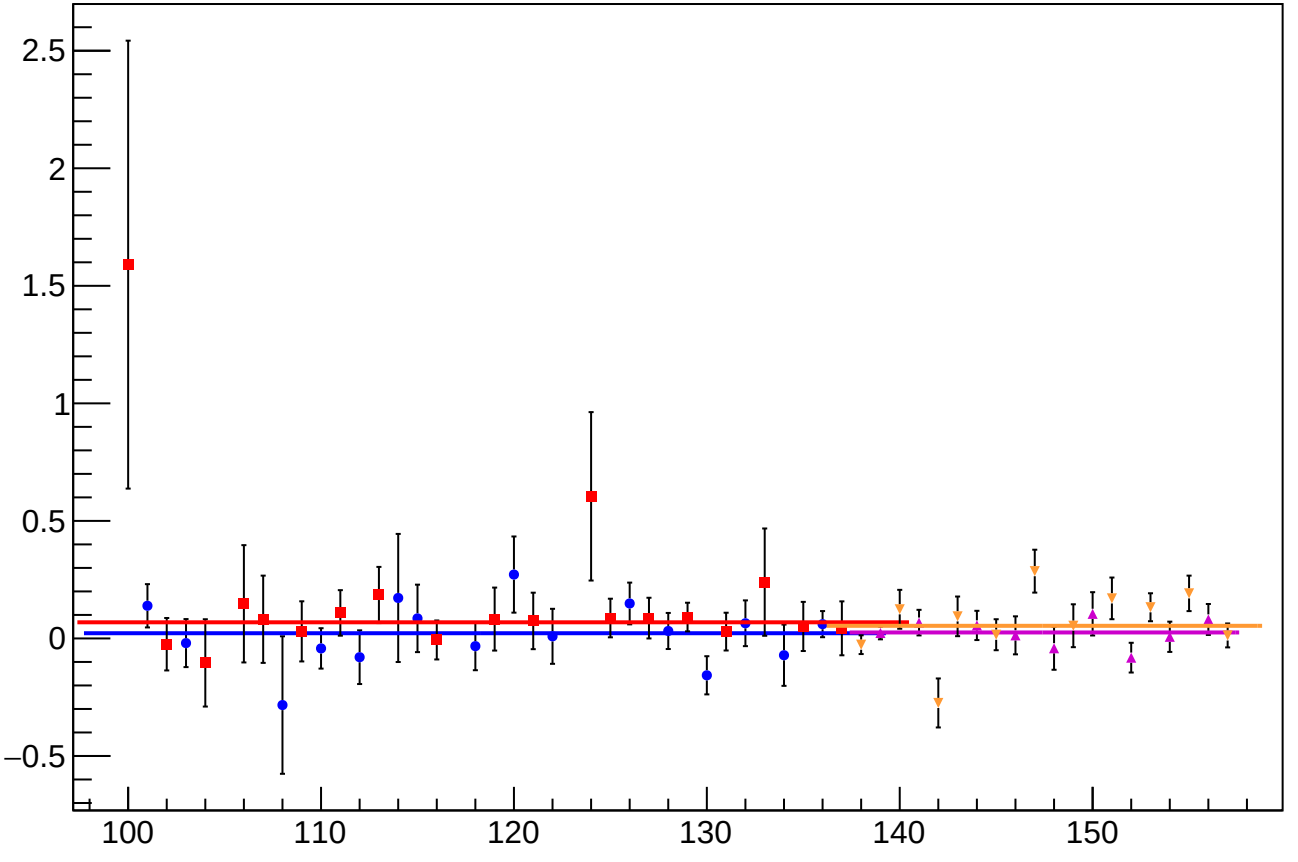
Left In: 42.326+/-0.013 χ^2/NDF:2515018.6/8

+ sign 55.104+/-0.011 χ^2/NDF: 2515625.9/26

All: 51.542+/-0.008 χ^2/NDF: 7871566.1/54

- sign 48.393+/-0.010 χ^2/NDF: 5160181.0/27

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.054+/-0.020 χ^2/NDF:29.2/10

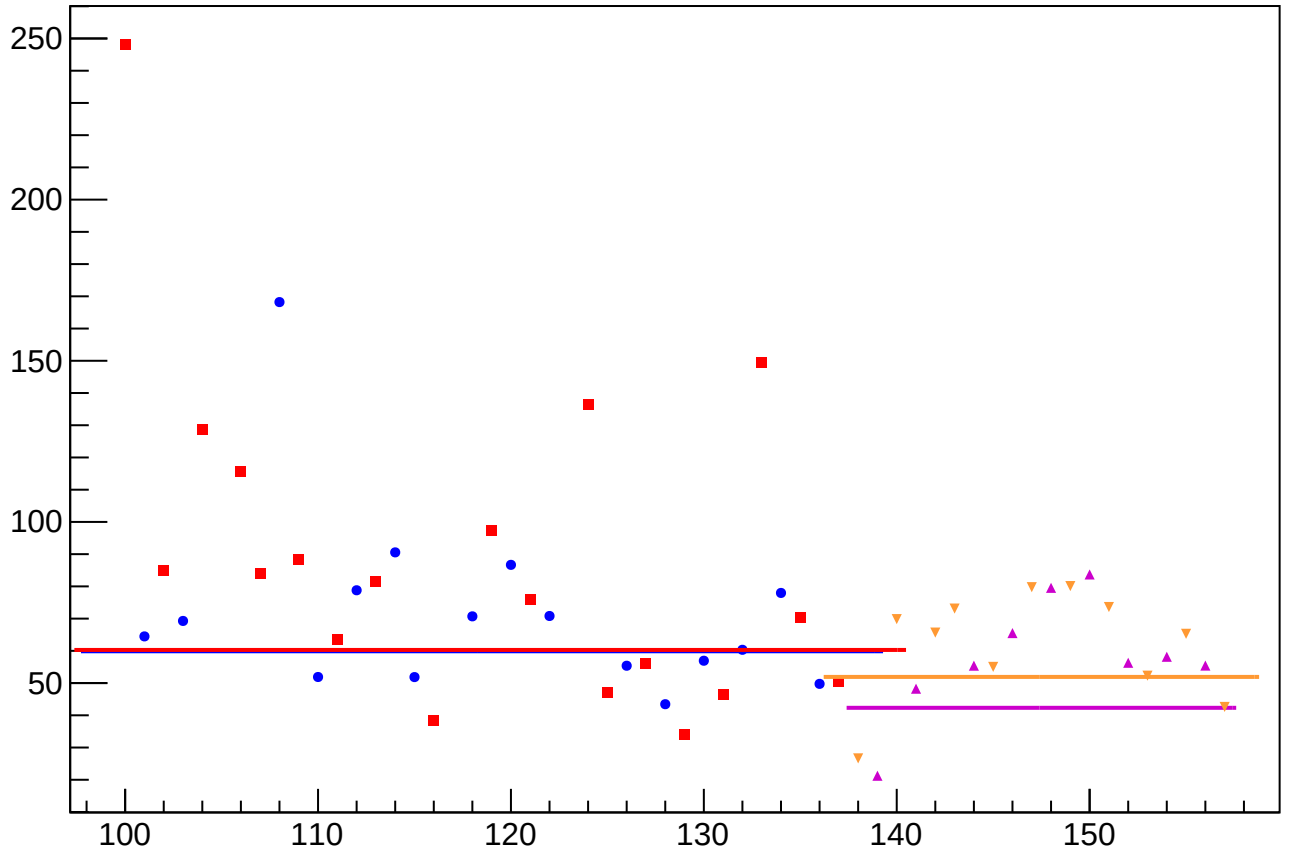
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.025+/-0.018 χ^2/NDF:5.8/8

+ sign 0.041+/-0.016 χ^2/NDF: 45.7/26

All: 0.041+/-0.011 χ^2/NDF: 63.0/54

- sign 0.040+/-0.015 χ^2/NDF: 17.3/27



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 51.913+/-0.014 χ^2/NDF:1692124.0/10

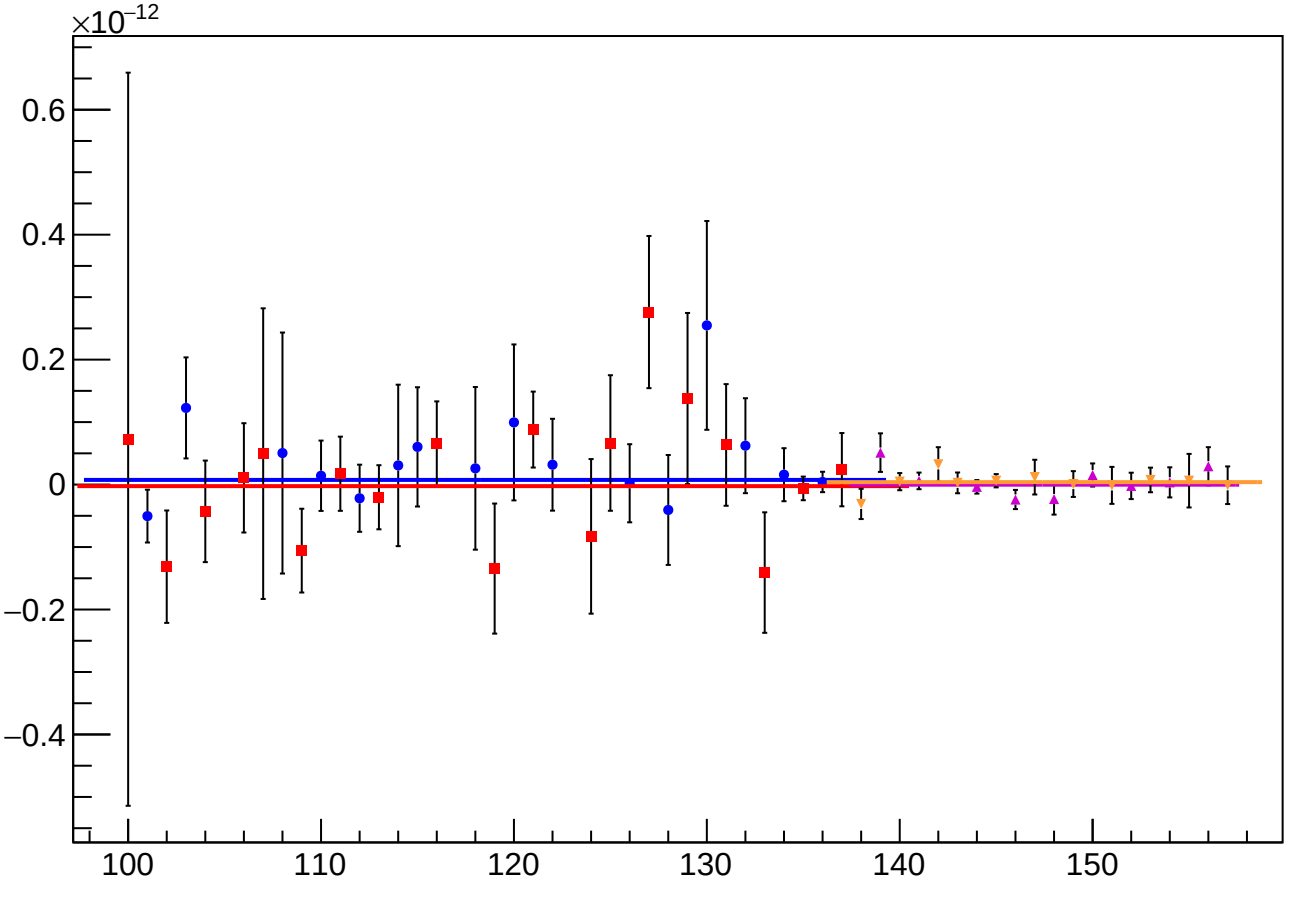
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 42.326+/-0.013 χ^2/NDF:2515018.6/8

+ sign 55.104+/-0.011 χ^2/NDF: 2515625.9/26

All: 51.542+/-0.008 χ^2/NDF: 7871566.1/54

- sign 48.393+/-0.010 χ^2/NDF: 5160181.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

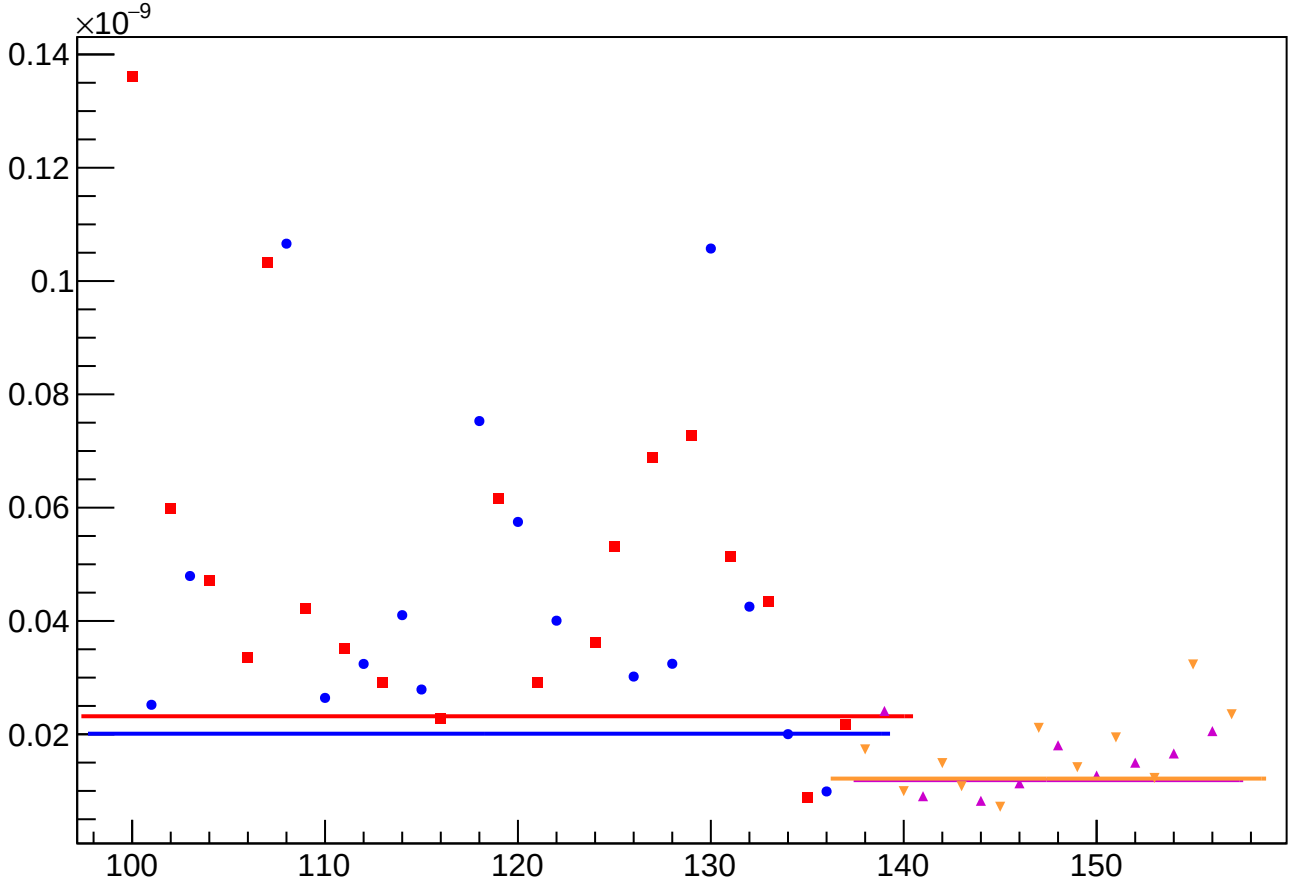
Left In: -0.000+/-0.000 χ^2/NDF:8.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 11.9/26

All: 0.000+/-0.000 χ^2/NDF: 40.0/54

- sign -0.000+/-0.000 χ^2/NDF: 27.7/27

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1687441.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

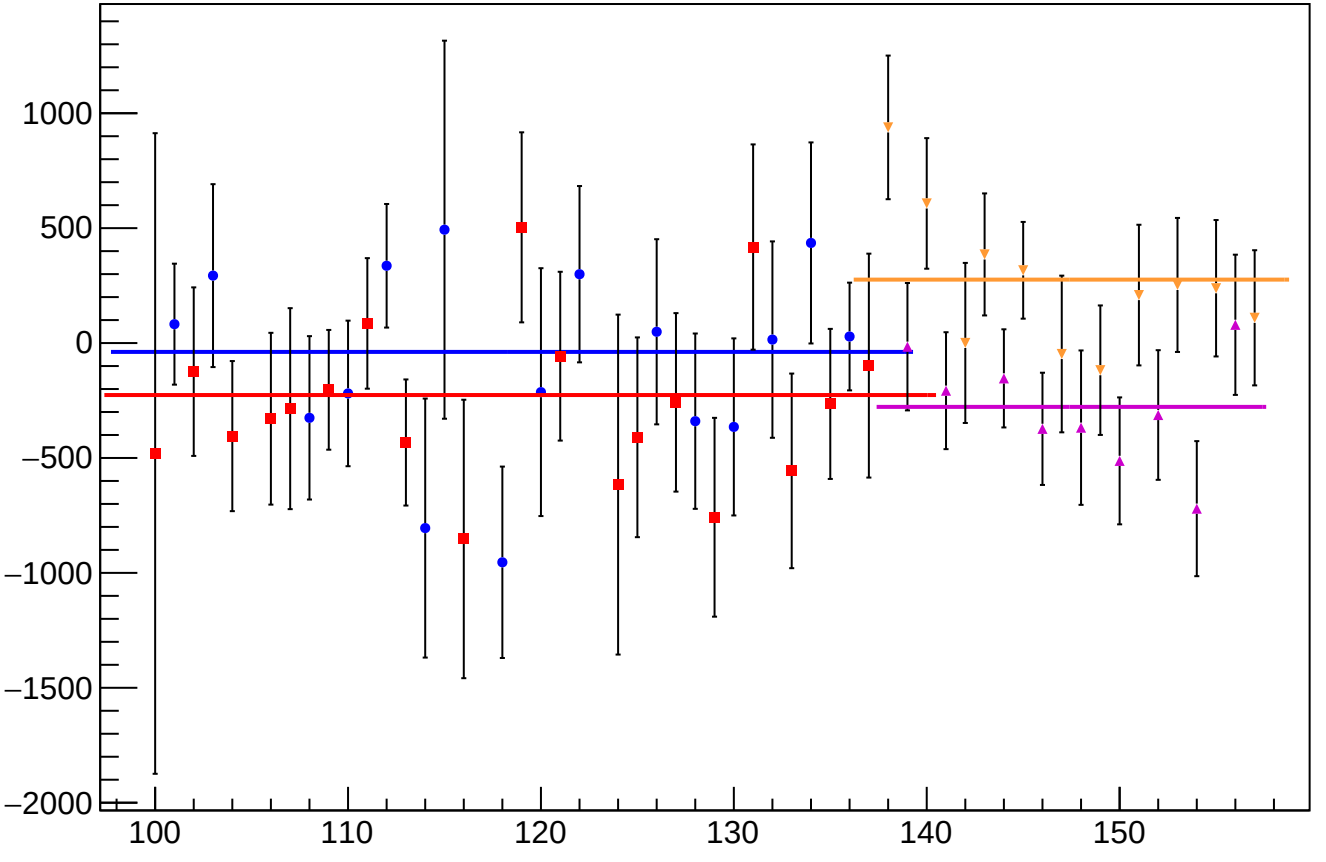
Left In: 0.000+/-0.000 χ^2/NDF:1037764.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 5502269.4/26

All: 0.000+/-0.000 χ^2/NDF: 11240560.3/54

- sign 0.000+/-0.000 χ^2/NDF: 5738210.7/27

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.047+/-86.322 χ^2/NDF:9.9/10

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

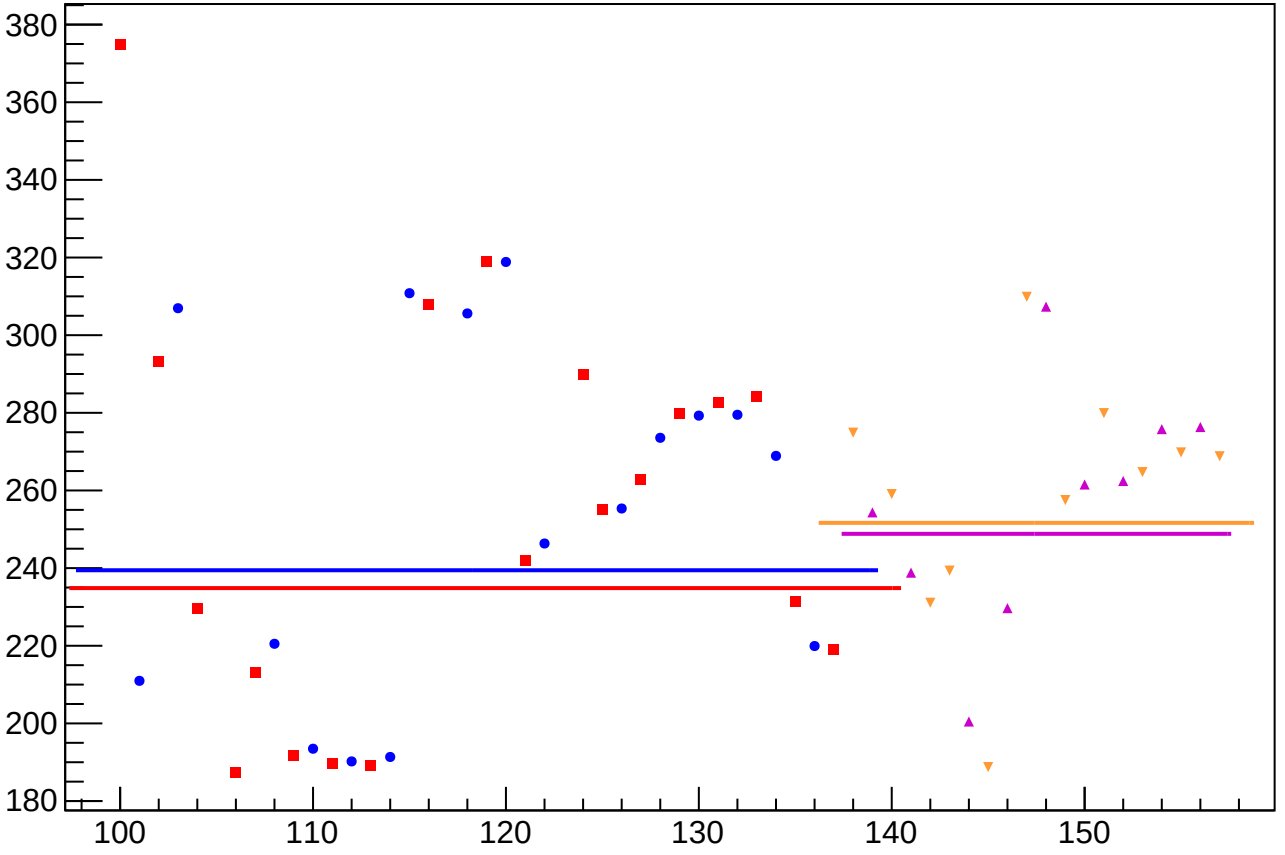
Left In: -277.699+/-89.781 χ^2/NDF:5.9/8

+ sign 126.407+/-62.503 χ^2/NDF: 30.7/26

All: -61.560+/-44.305 χ^2/NDF: 66.4/54

- sign -251.390+/-62.812 χ^2/NDF: 17.5/27

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

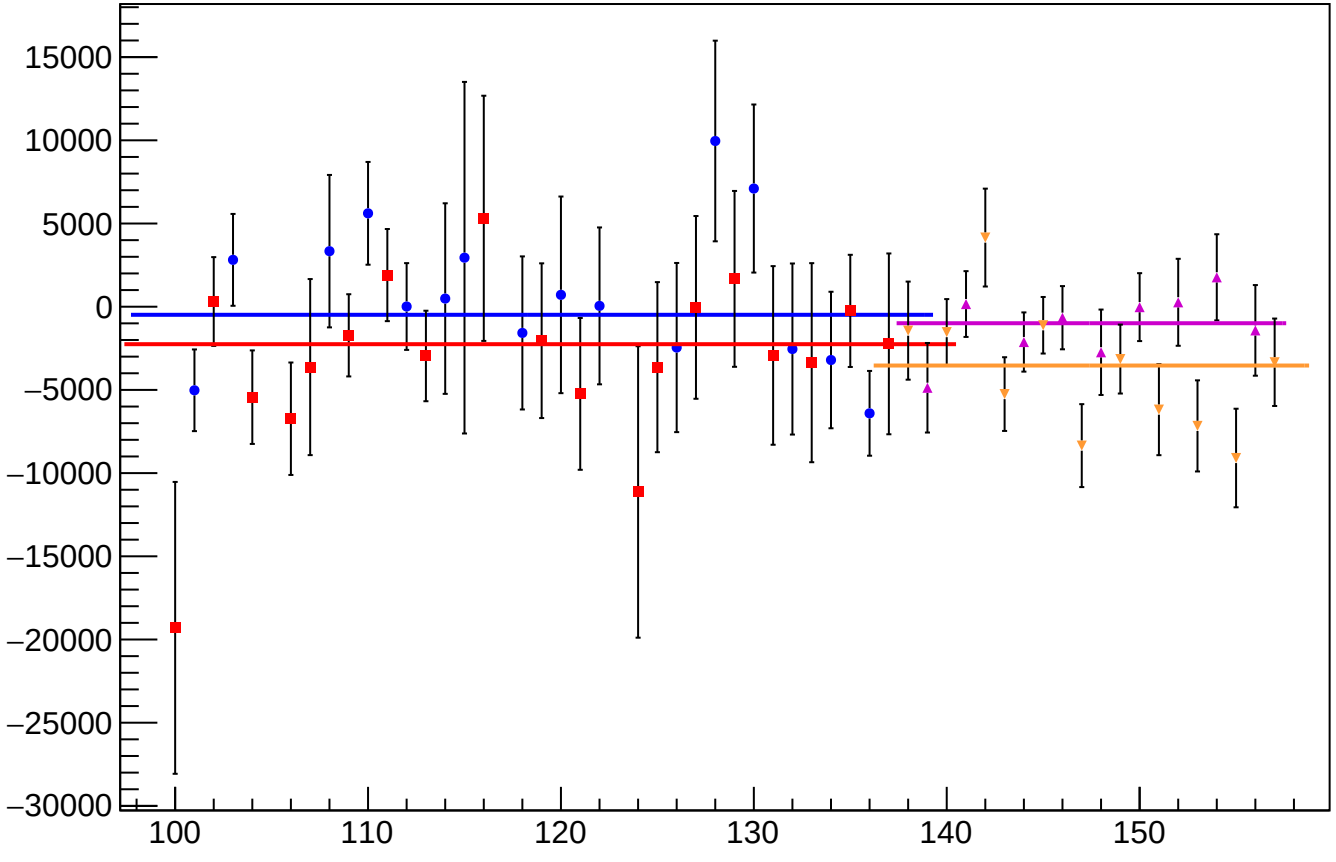
Left In: 248.832+/-0.063 χ^2/NDF:221419.1/8

+ sign 245.852+/-0.044 χ^2/NDF: 716948.1/26

All: 243.784+/-0.031 χ^2/NDF: 1449230.7/54

- sign 241.696+/-0.044 χ^2/NDF: 727883.9/27

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3534.565+/-715.321 χ^2/NDF:21.0/10

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

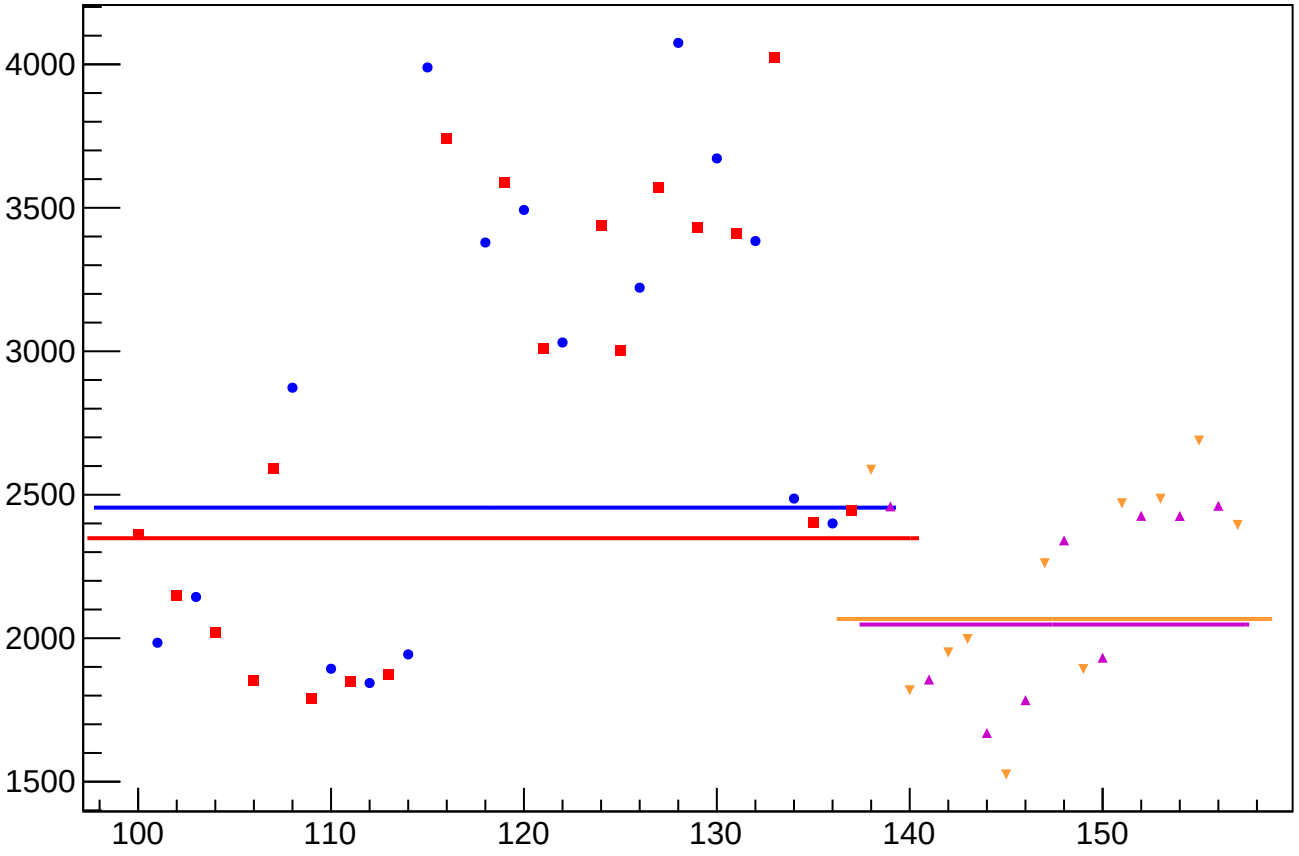
Left In: -992.353+/-743.426 χ^2/NDF:4.9/8

\+ sign -2427.726+/-570.887 χ^2/NDF: 48.7/26

All: -1968.059+/-403.949 χ^2/NDF: 70.0/54

\- sign -1507.156+/-571.655 χ^2/NDF: 20.0/27

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537818.3/10

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

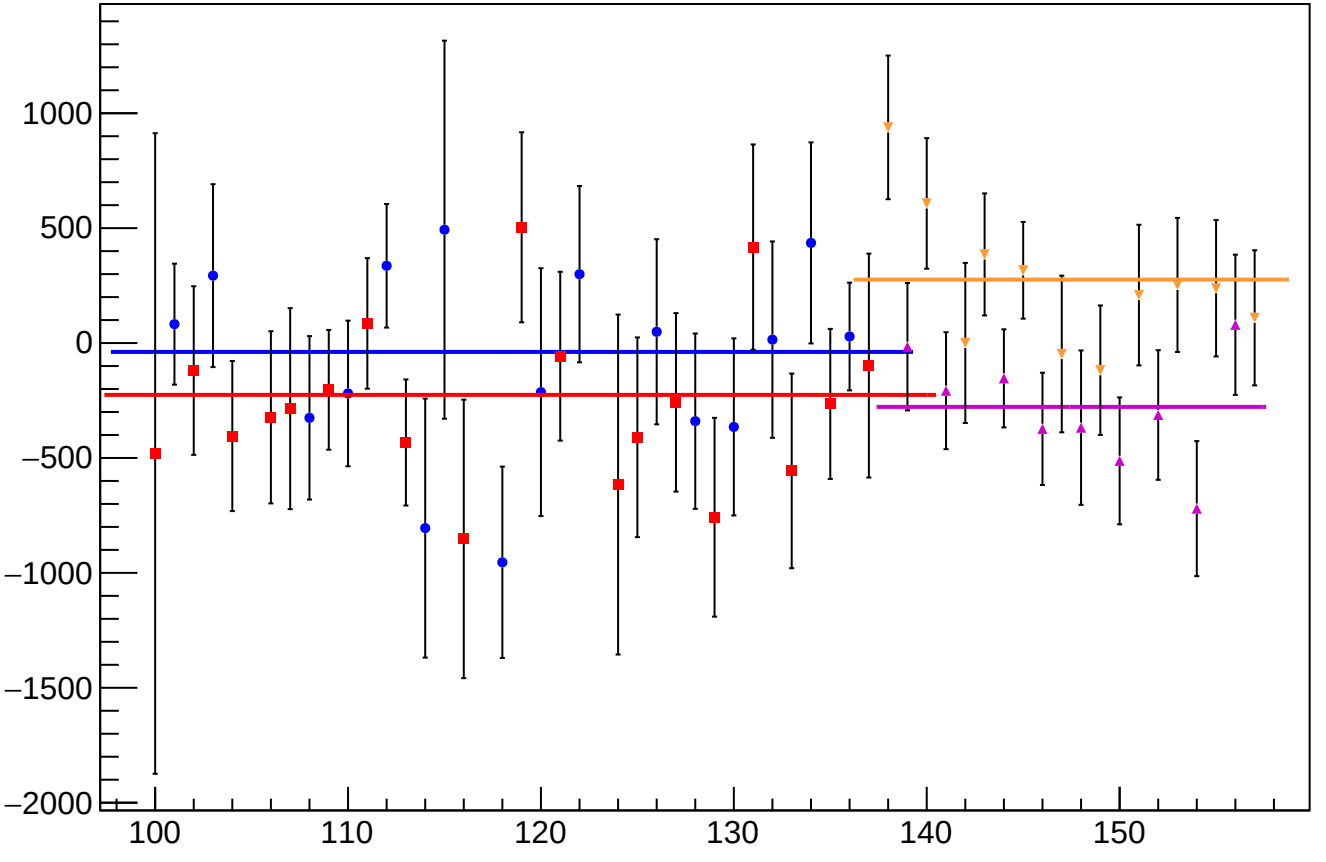
Left In: 2047.721+/-0.526 χ^2/NDF:357727.0/8

+ sign 2207.958+/-0.404 χ^2/NDF: 1645863.6/26

All: 2189.321+/-0.286 χ^2/NDF: 3194038.9/54

- sign 2170.634+/-0.404 χ^2/NDF: 1543906.6/27

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

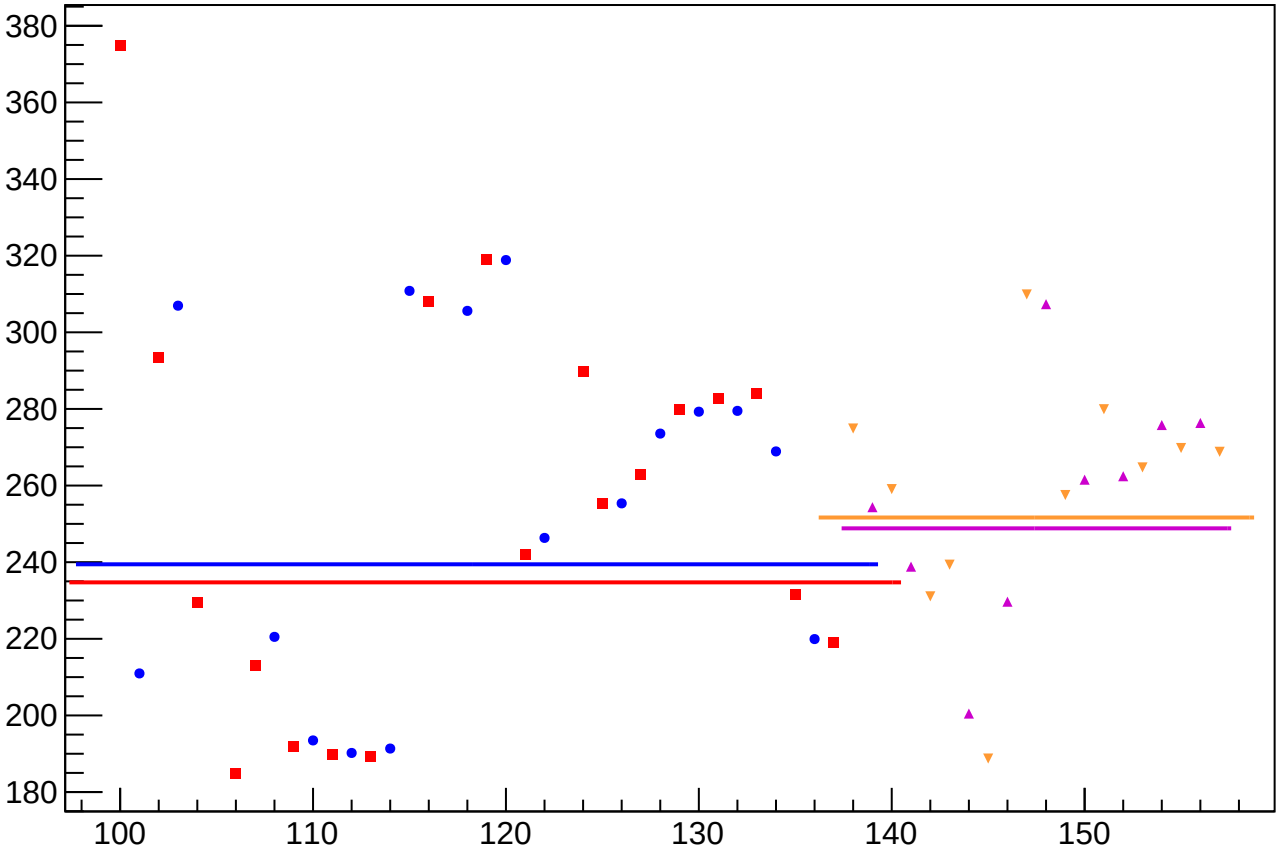
Left In: -277.702+/-89.781 χ^2/NDF:5.9/8

+ sign 126.403+/-62.503 χ^2/NDF: 30.7/26

All: -61.384+/-44.307 χ^2/NDF: 66.4/54

- sign -251.063+/-62.817 χ^2/NDF: 17.5/27

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

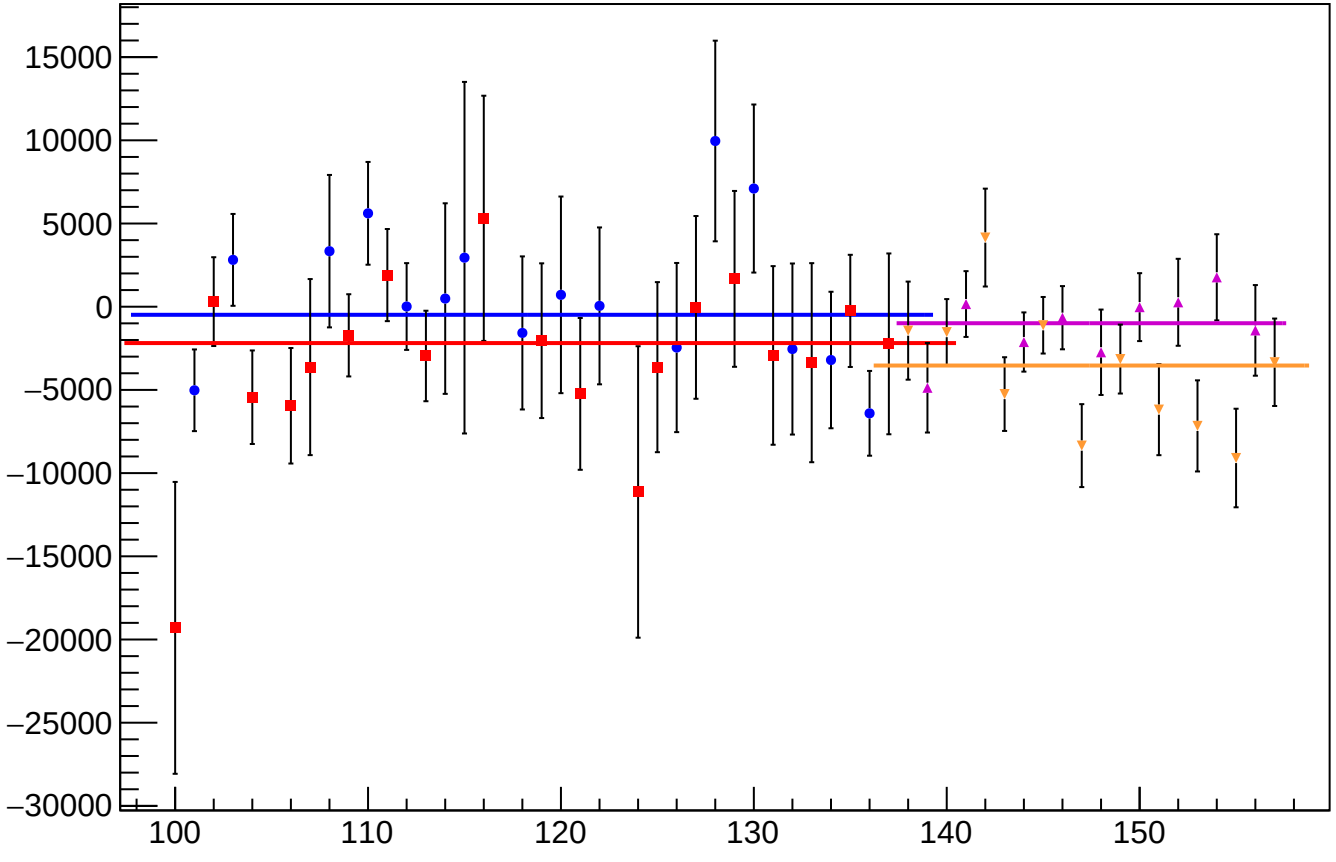
Left In: 248.832+/-0.063 χ^2/NDF:221419.1/8

+ sign 245.852+/-0.044 χ^2/NDF: 716950.3/26

All: 243.754+/-0.031 χ^2/NDF: 1453315.0/54

- sign 241.635+/-0.044 χ^2/NDF: 731836.1/27

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

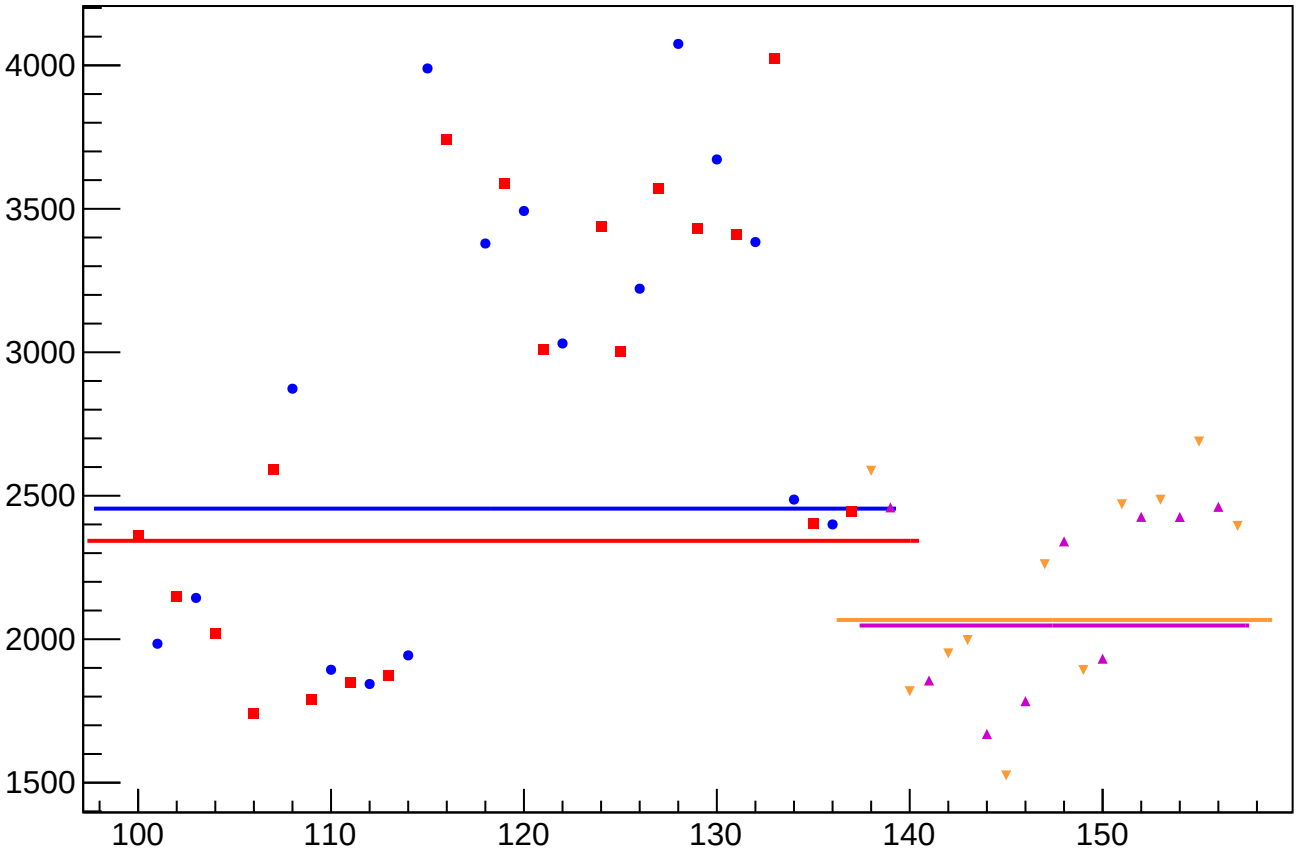
Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: -992.370+/-743.426 χ^2/NDF:4.9/8

+ sign -2427.794+/-570.889 χ^2/NDF: 48.7/26

All: -1954.233+/-404.106 χ^2/NDF: 69.3/54

- sign -1478.666+/-572.096 χ^2/NDF: 19.2/27



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

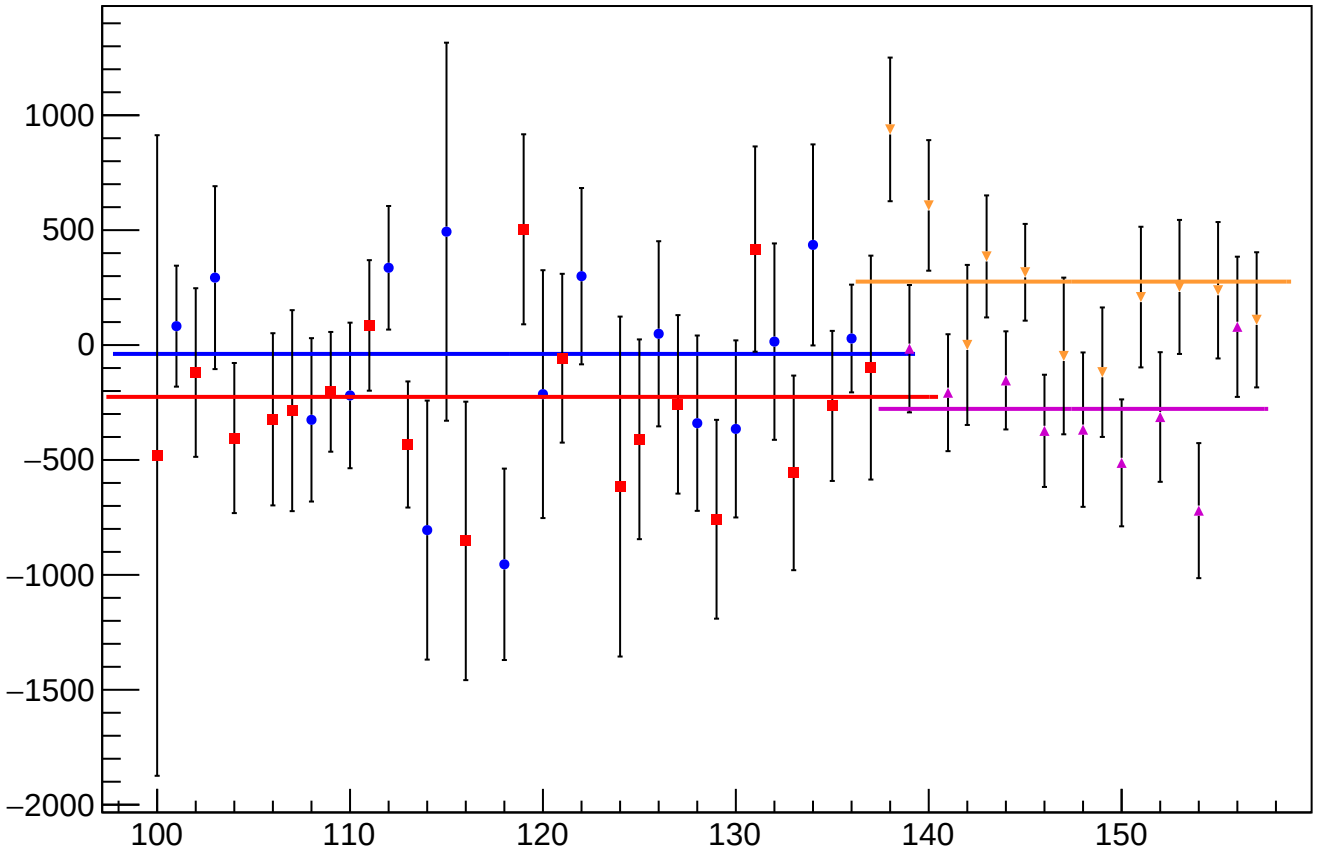
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2047.722+/-0.526 χ^2/NDF:357724.5/8

+ sign 2207.965+/-0.404 χ^2/NDF: 1645859.8/26

All: 2188.085+/-0.286 χ^2/NDF: 3207462.3/54

- sign 2168.121+/-0.405 χ^2/NDF: 1556741.6/27



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 276.057+/-86.322 χ^2/NDF:9.9/10

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

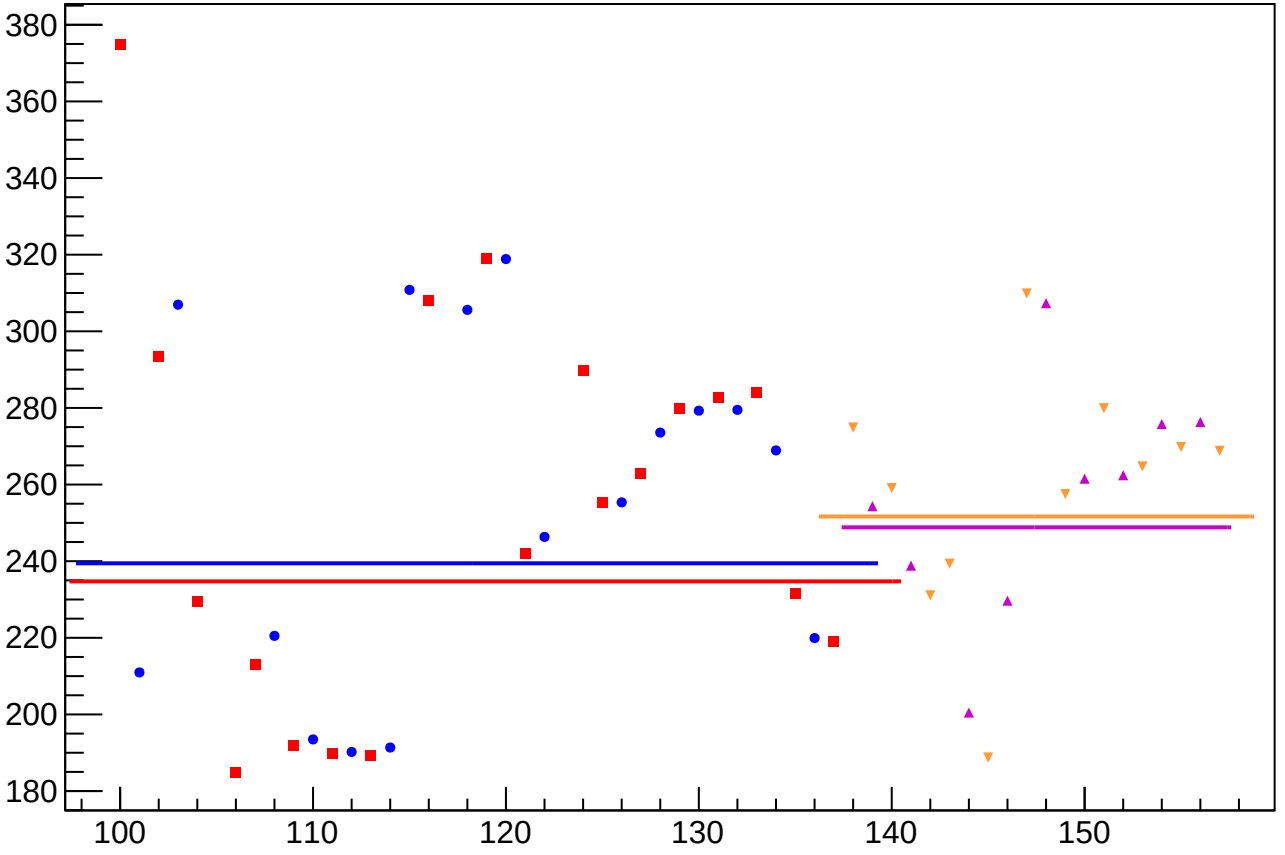
Left In: -277.702+/-89.781 χ^2/NDF:5.9/8

+ sign 126.403+/-62.503 χ^2/NDF: 30.7/26

All: -61.384+/-44.307 χ^2/NDF: 66.4/54

- sign -251.063+/-62.817 χ^2/NDF: 17.5/27

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 251.662+/-0.061 χ^2/NDF:296947.4/10

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

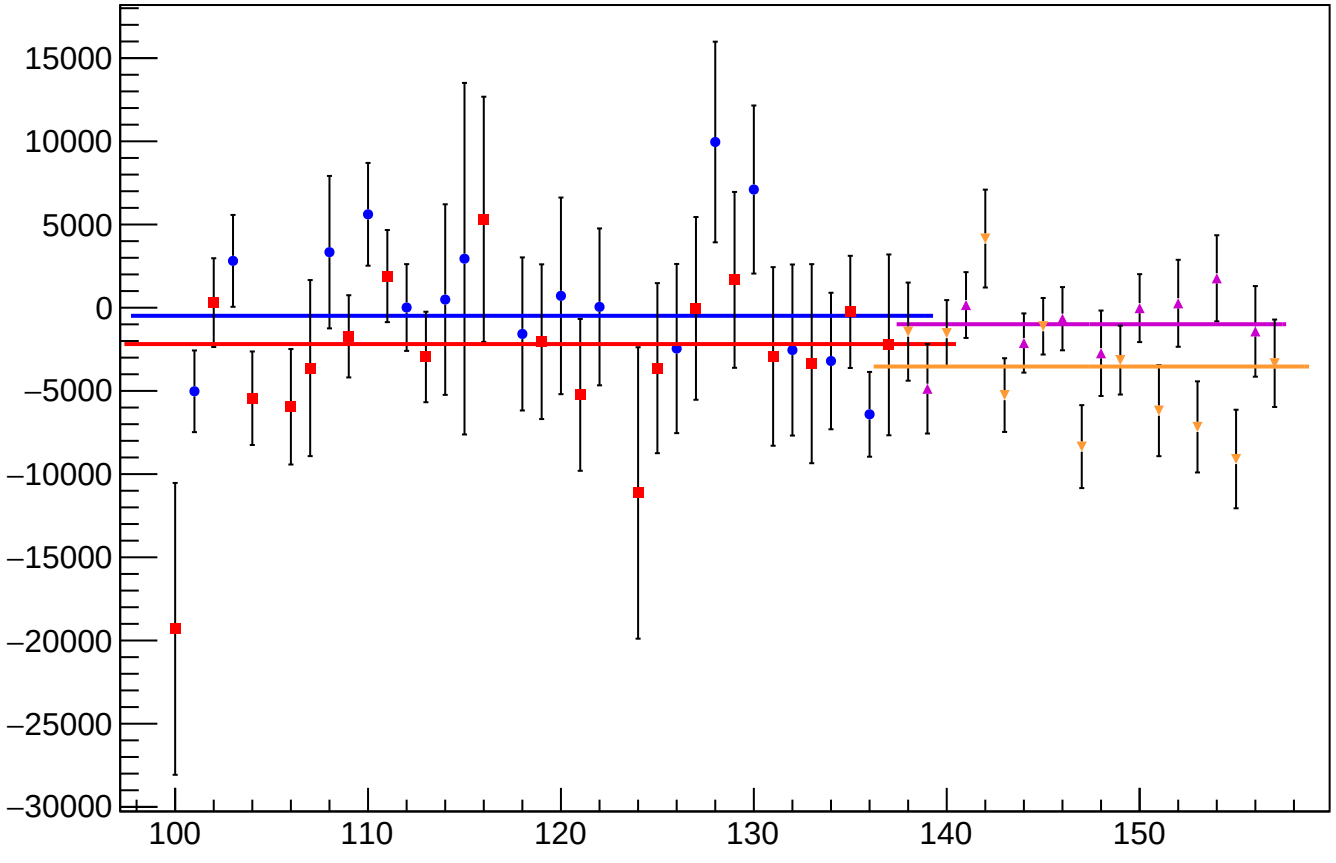
Left In: 248.832+/-0.063 χ^2/NDF:221419.1/8

+ sign 245.852+/-0.044 χ^2/NDF: 716950.3/26

All: 243.754+/-0.031 χ^2/NDF: 1453315.0/54

- sign 241.635+/-0.044 χ^2/NDF: 731836.1/27

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3534.555+/-715.321 χ^2/NDF:21.0/10

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

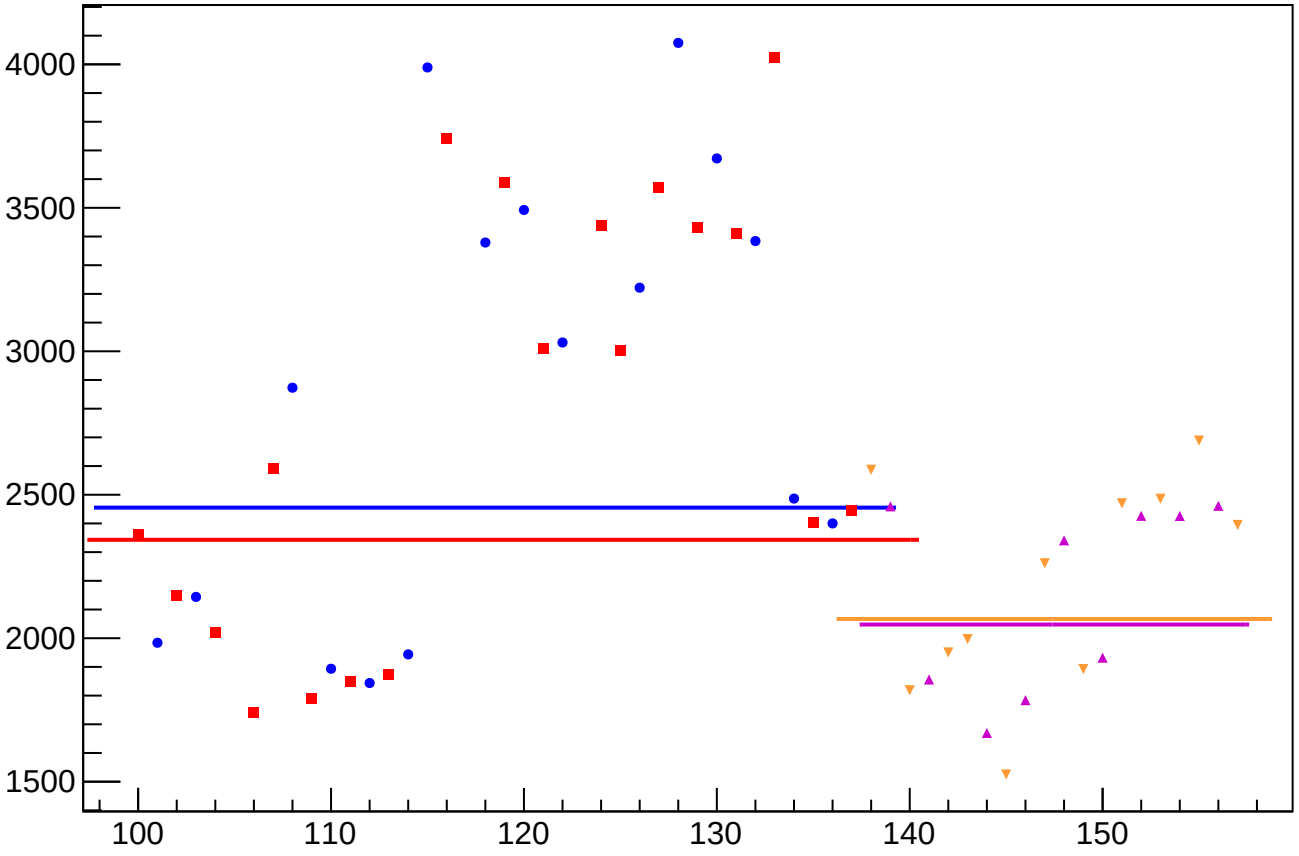
Left In: -992.370+/-743.426 χ^2/NDF:4.9/8

+ sign -2427.794+/-570.889 χ^2/NDF: 48.7/26

All: -1954.233+/-404.106 χ^2/NDF: 69.3/54

- sign -1478.666+/-572.096 χ^2/NDF: 19.2/27

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2067.083+/-0.506 χ^2/NDF:537820.7/10

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

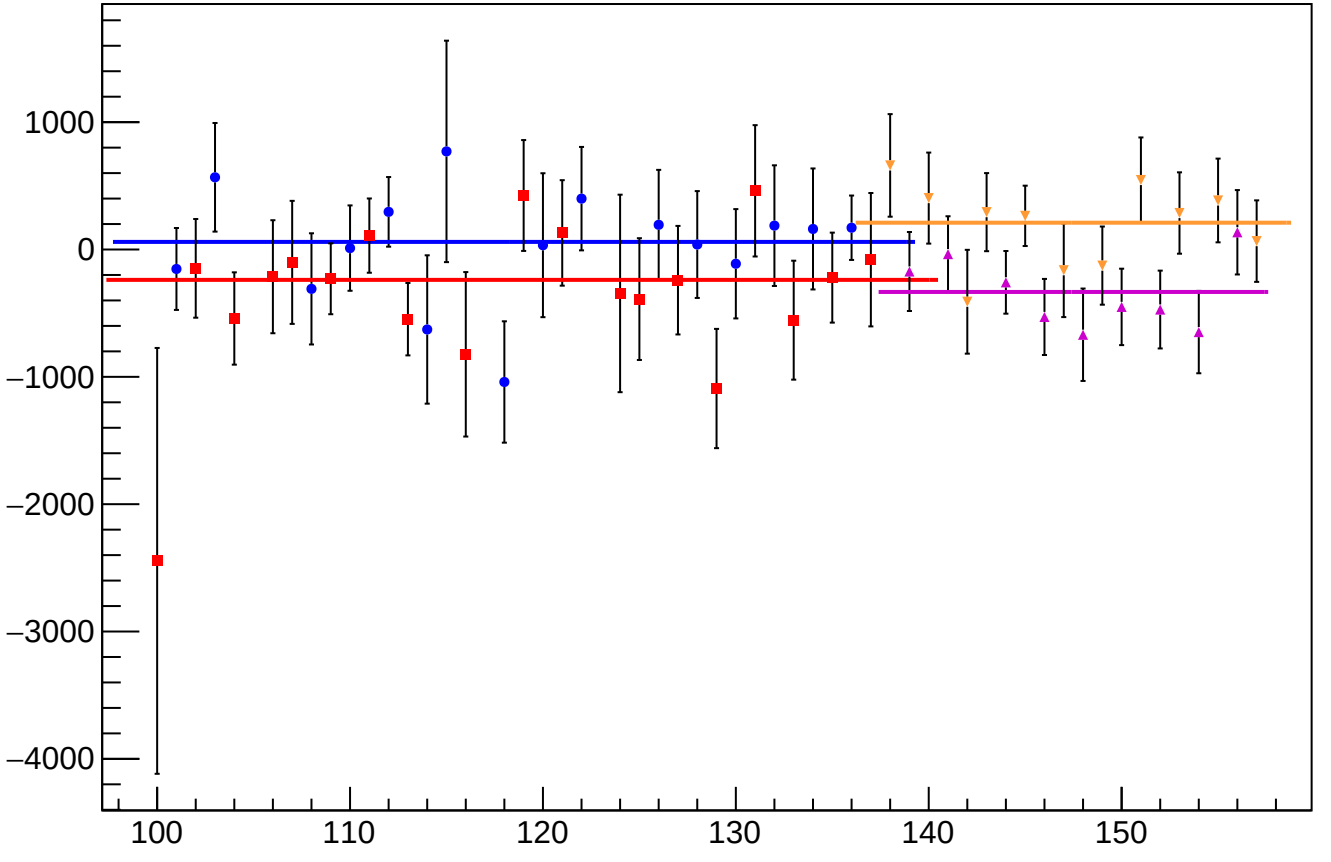
Left In: 2047.722+/-0.526 χ^2/NDF:357724.5/8

+ sign 2207.965+/-0.404 χ^2/NDF: 1645859.8/26

All: 2188.085+/-0.286 χ^2/NDF: 3207462.3/54

- sign 2168.121+/-0.405 χ^2/NDF: 1556741.6/27

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.554+/-97.962 χ^2/NDF:7.8/10

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

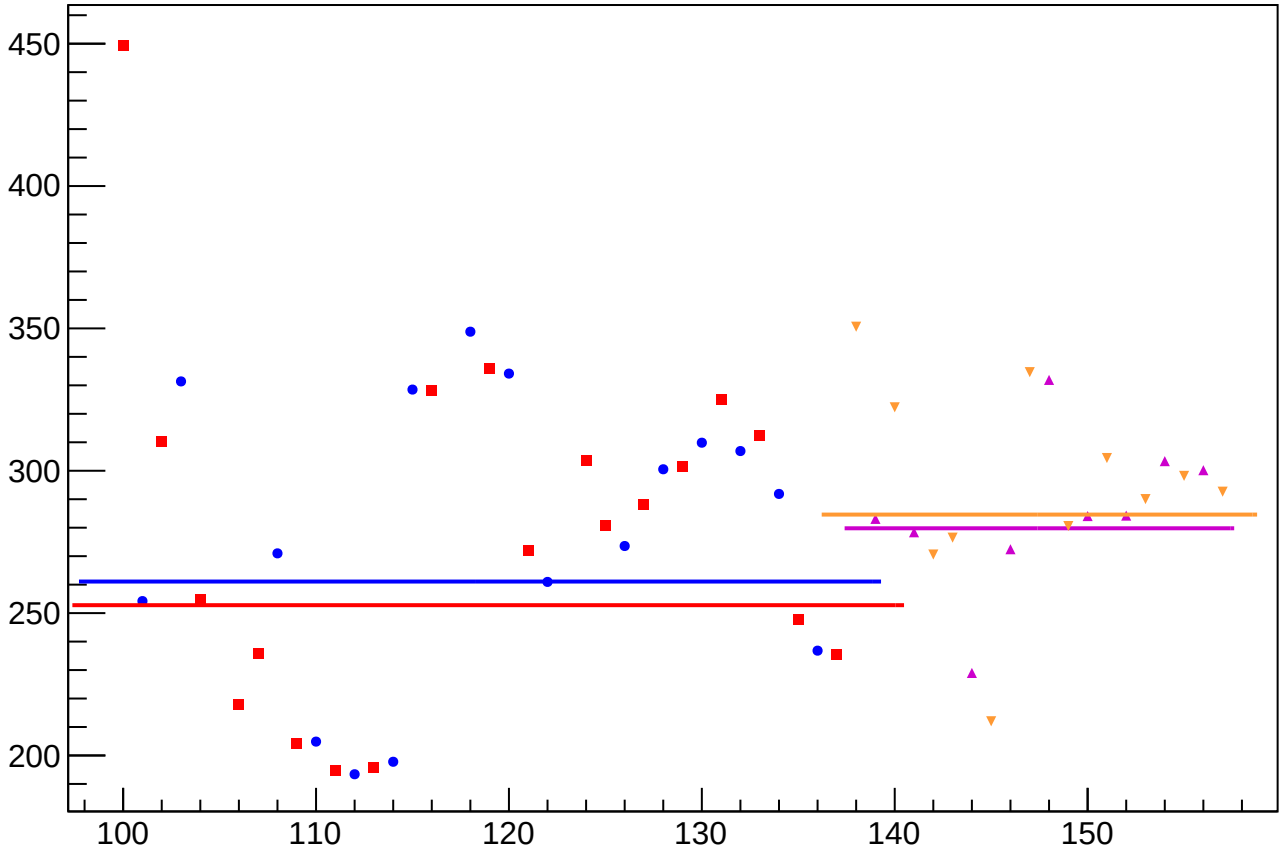
Left In: -333.369+/-101.273 χ^2/NDF:6.0/8

+ sign 136.110+/-69.713 χ^2/NDF: 20.9/26

All: -74.630+/-49.152 χ^2/NDF: 60.5/54

- sign -282.945+/-69.311 χ^2/NDF: 21.4/27

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 284.607+/-0.069 χ^2/NDF:317023.4/10

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

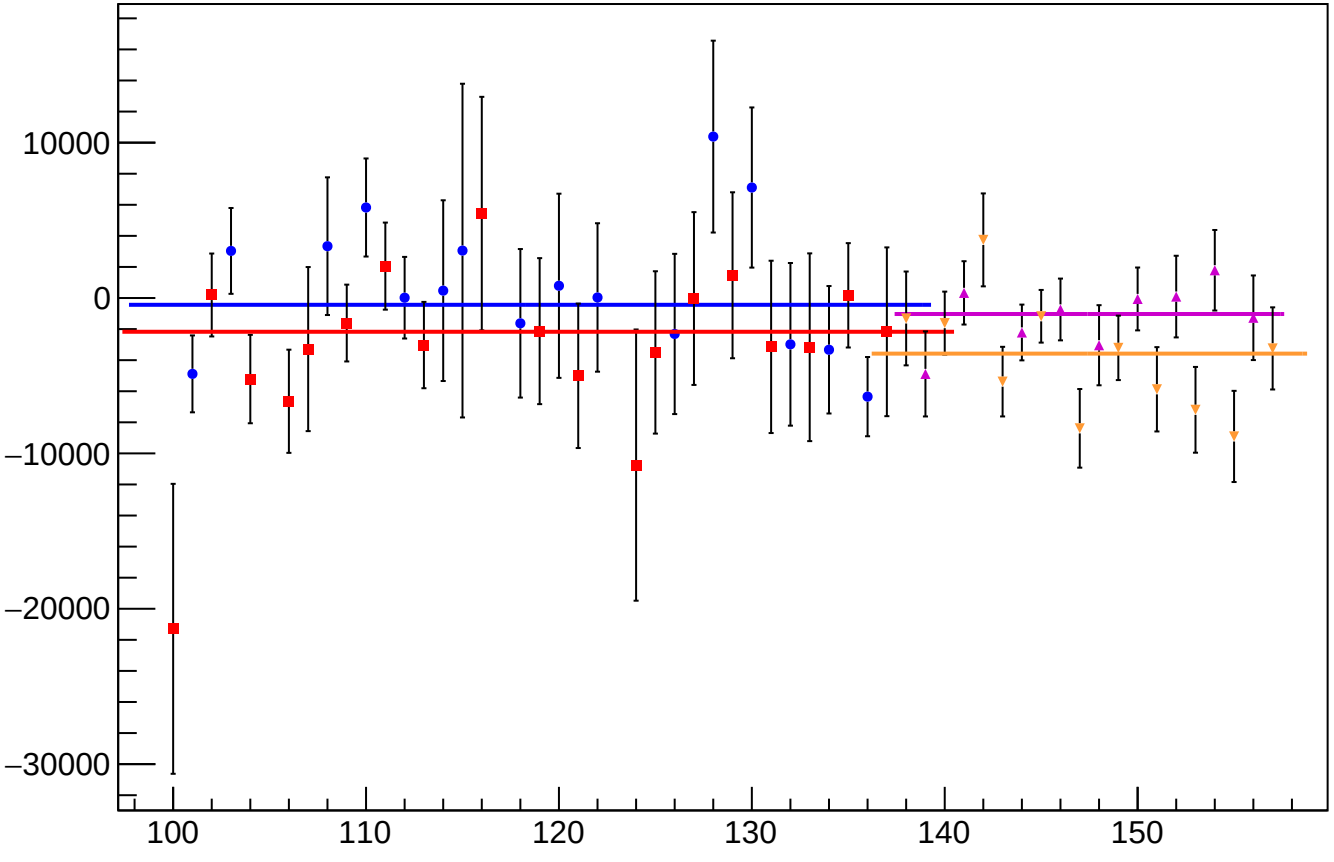
Left In: 279.793+/-0.072 χ^2/NDF:147030.3/8

+ sign 272.999+/-0.049 χ^2/NDF: 836578.8/26

All: 269.196+/-0.035 χ^2/NDF: 1608341.6/54

- sign 265.437+/-0.049 χ^2/NDF: 759927.7/27

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3578.931+/-720.344 χ^2/NDF:19.5/10

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

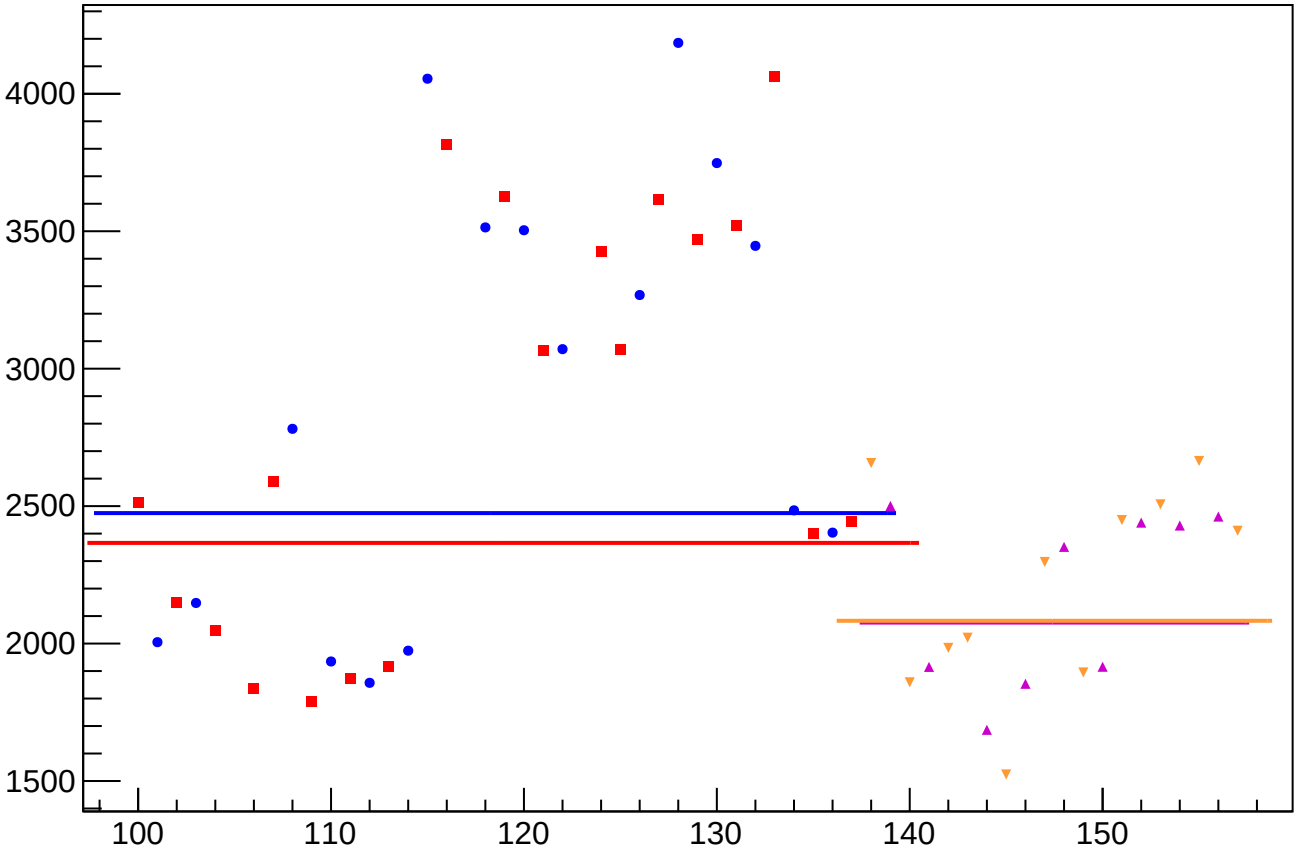
Left In: -1028.613+/-753.541 χ^2/NDF:5.1/8

+ sign -2439.678+/-575.119 χ^2/NDF: 47.6/26

All: -1971.827+/-407.706 χ^2/NDF: 69.0/54

- sign -1499.182+/-578.058 χ^2/NDF: 20.0/27

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2082.883+/-0.509 χ^2/NDF:541395.8/10

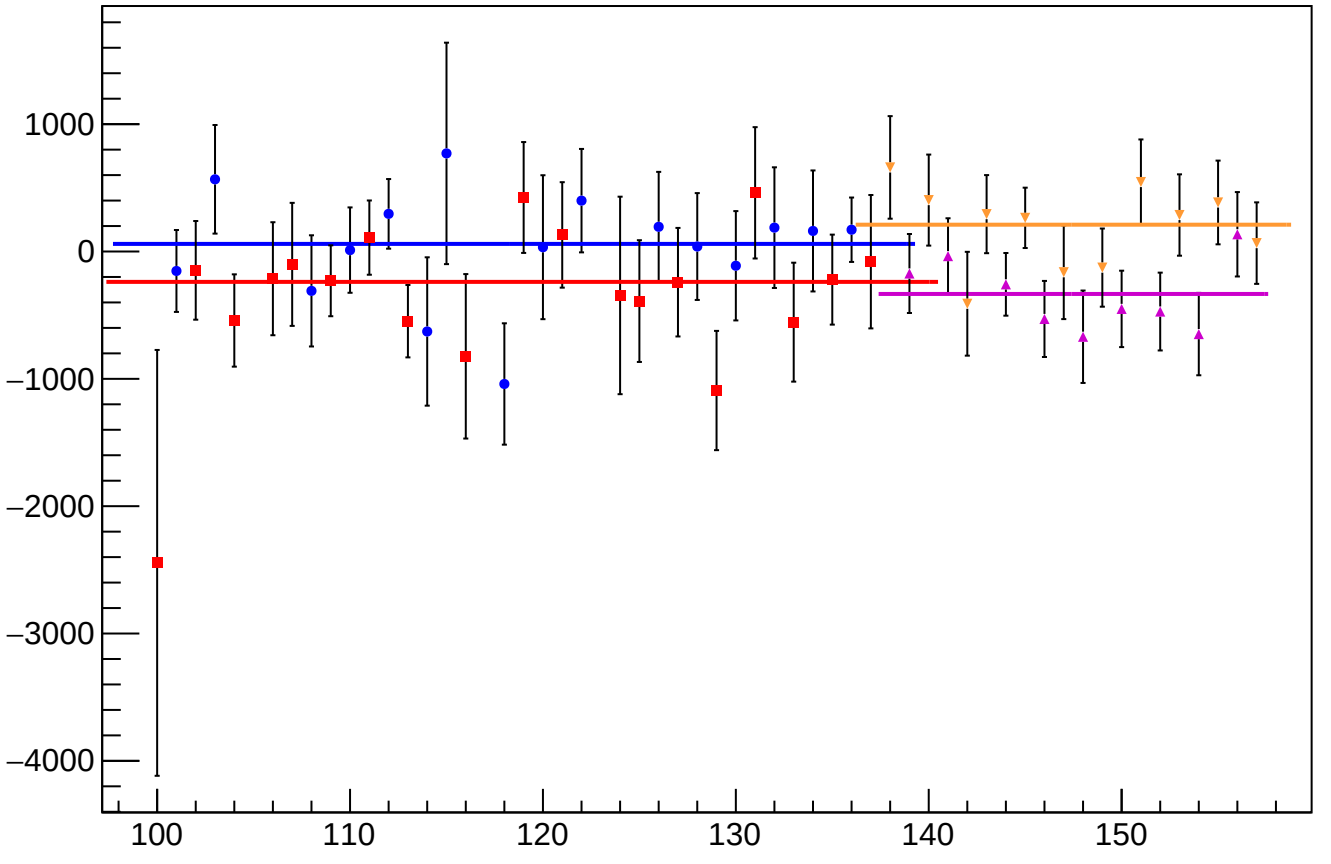
Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2076.280+/-0.533 χ^2/NDF:331158.8/8

+ sign 2224.914+/-0.407 χ^2/NDF: 1672099.1/26

All: 2210.330+/-0.288 χ^2/NDF: 3204870.1/54

- sign 2195.598+/-0.409 χ^2/NDF: 1530185.9/27



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 210.556+/-97.962 χ^2/NDF:7.8/10

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

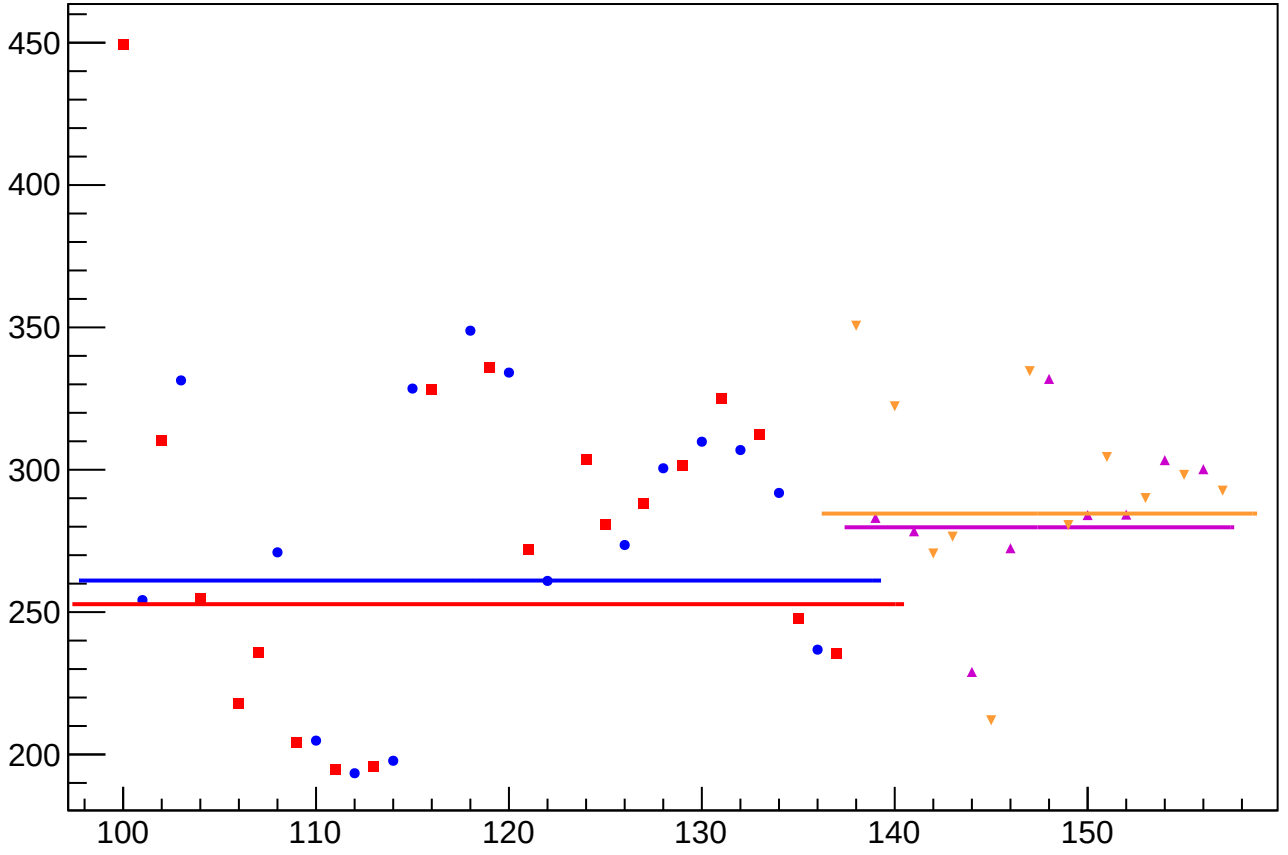
Left In: -333.372+/-101.274 χ^2/NDF:6.0/8

+ sign 136.114+/-69.713 χ^2/NDF: 20.9/26

All: -74.629+/-49.152 χ^2/NDF: 60.5/54

- sign -282.946+/-69.311 χ^2/NDF: 21.4/27

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 284.607+/-0.069 χ^2/NDF:317018.7/10

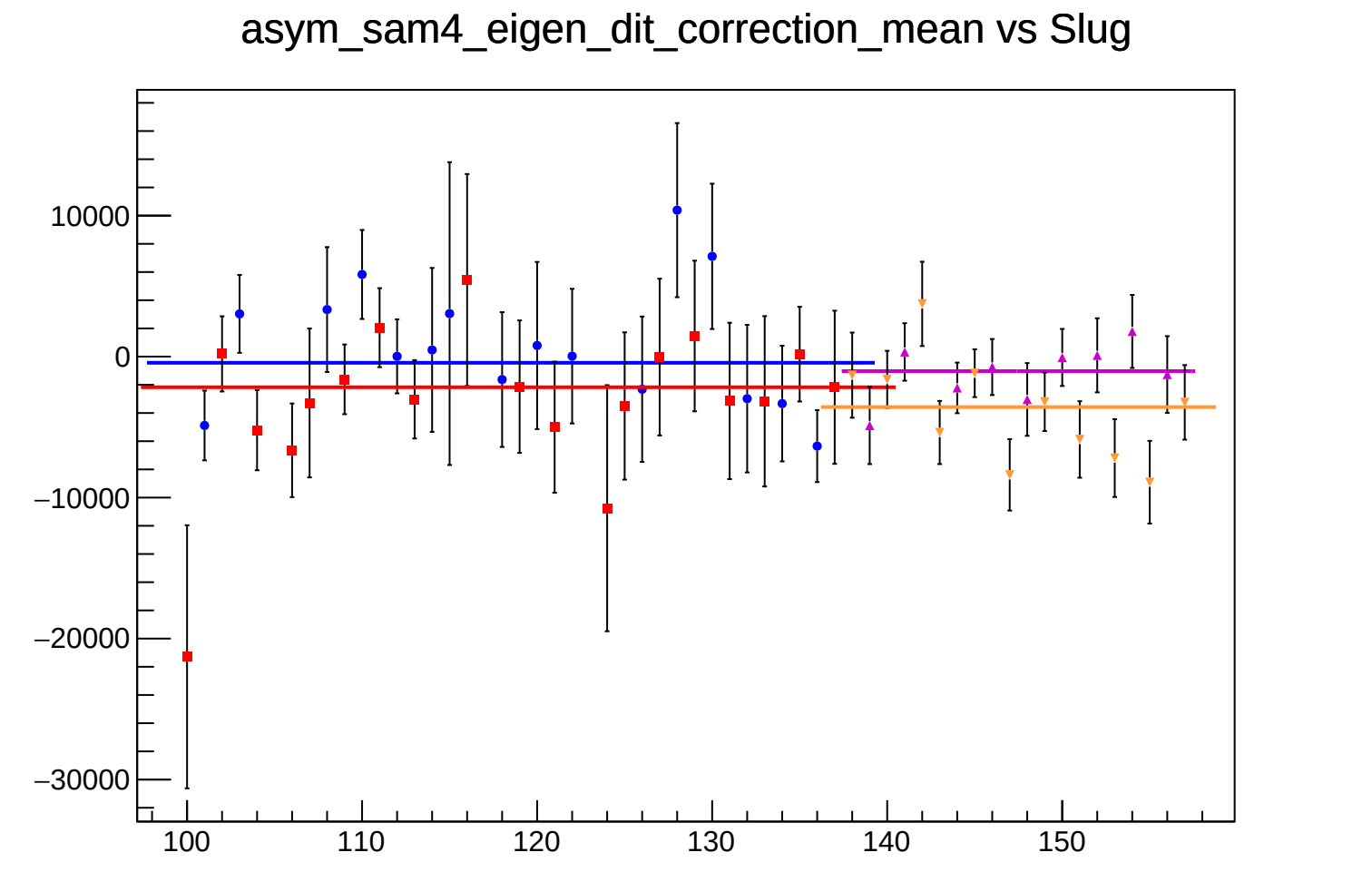
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 279.794+/-0.072 χ^2/NDF:147028.6/8

+ sign 272.999+/-0.049 χ^2/NDF: 836579.3/26

All: 269.196+/-0.035 χ^2/NDF: 1608346.6/54

- sign 265.437+/-0.049 χ^2/NDF: 759932.0/27



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3578.926+/-720.343 χ^2/NDF:19.5/10

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

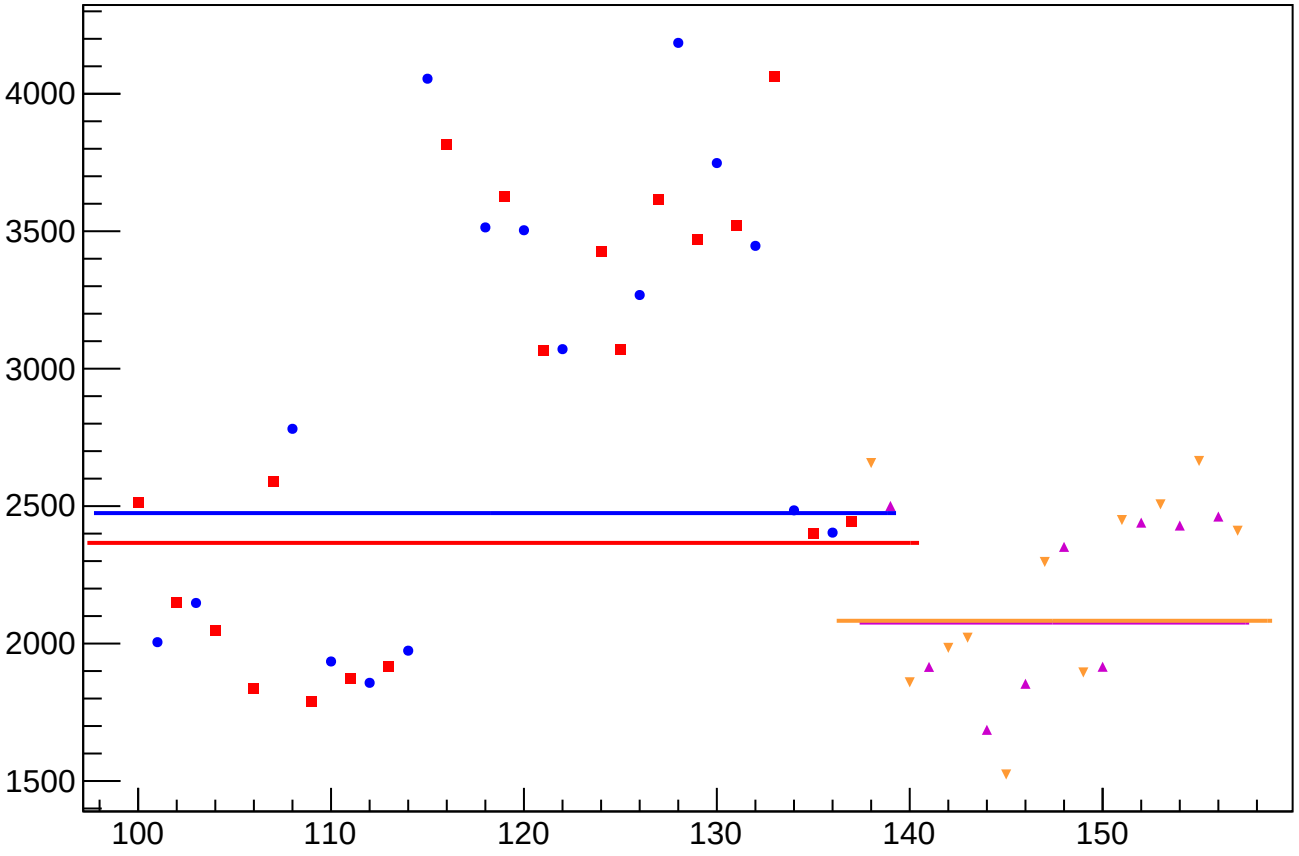
Left In: -1028.613+/-753.541 χ^2/NDF:5.1/8

+ sign -2439.675+/-575.118 χ^2/NDF: 47.6/26

All: -1971.826+/-407.705 χ^2/NDF: 69.0/54

- sign -1499.181+/-578.058 χ^2/NDF: 20.0/27

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2082.881+/-0.509 χ^2/NDF:541398.8/10

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

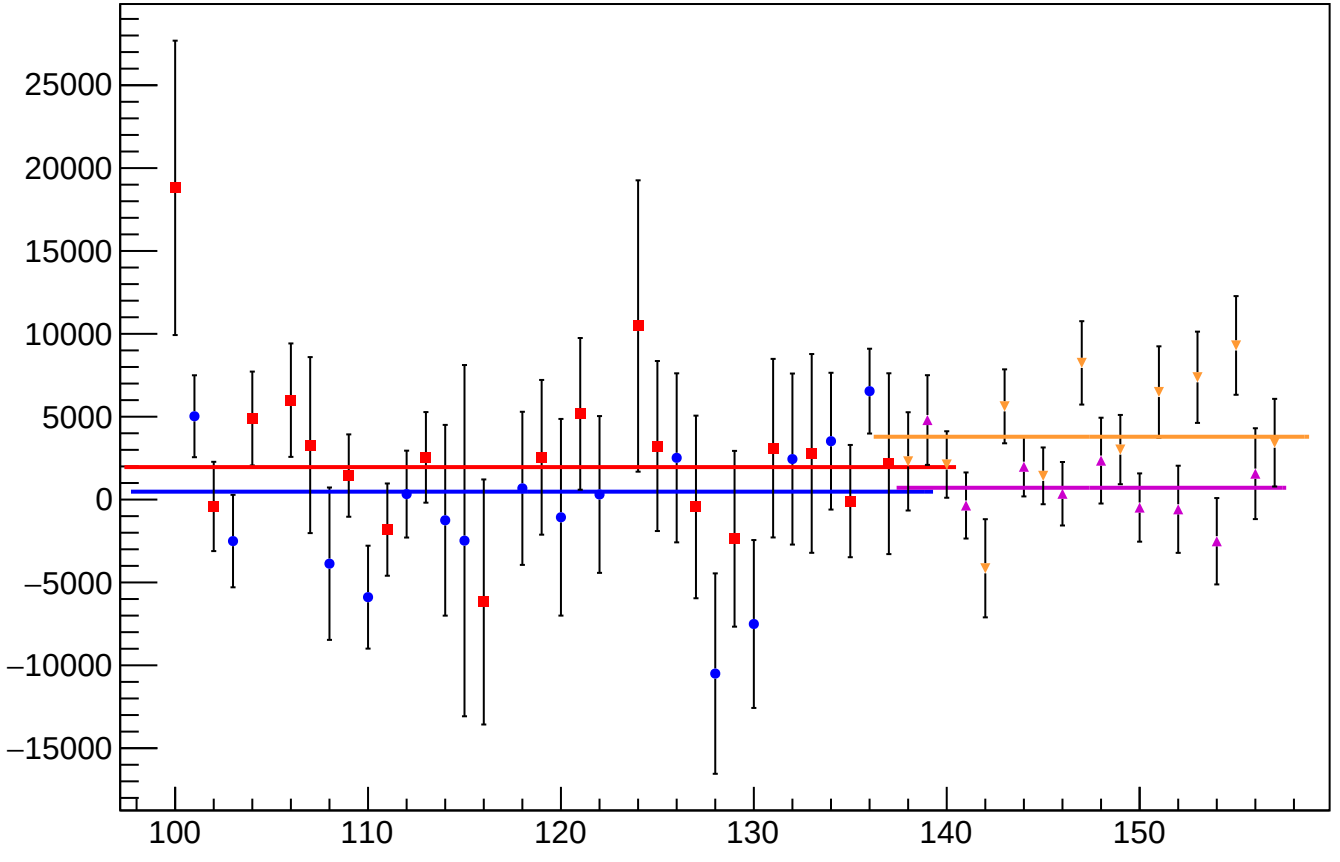
Left In: 2076.279+/-0.533 χ^2/NDF:331157.3/8

+ sign 2224.912+/-0.407 χ^2/NDF: 1672106.3/26

All: 2210.329+/-0.288 χ^2/NDF: 3204877.6/54

- sign 2195.596+/-0.409 χ^2/NDF: 1530186.2/27

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3791.166+/-720.862 χ^2/NDF:20.1/10

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

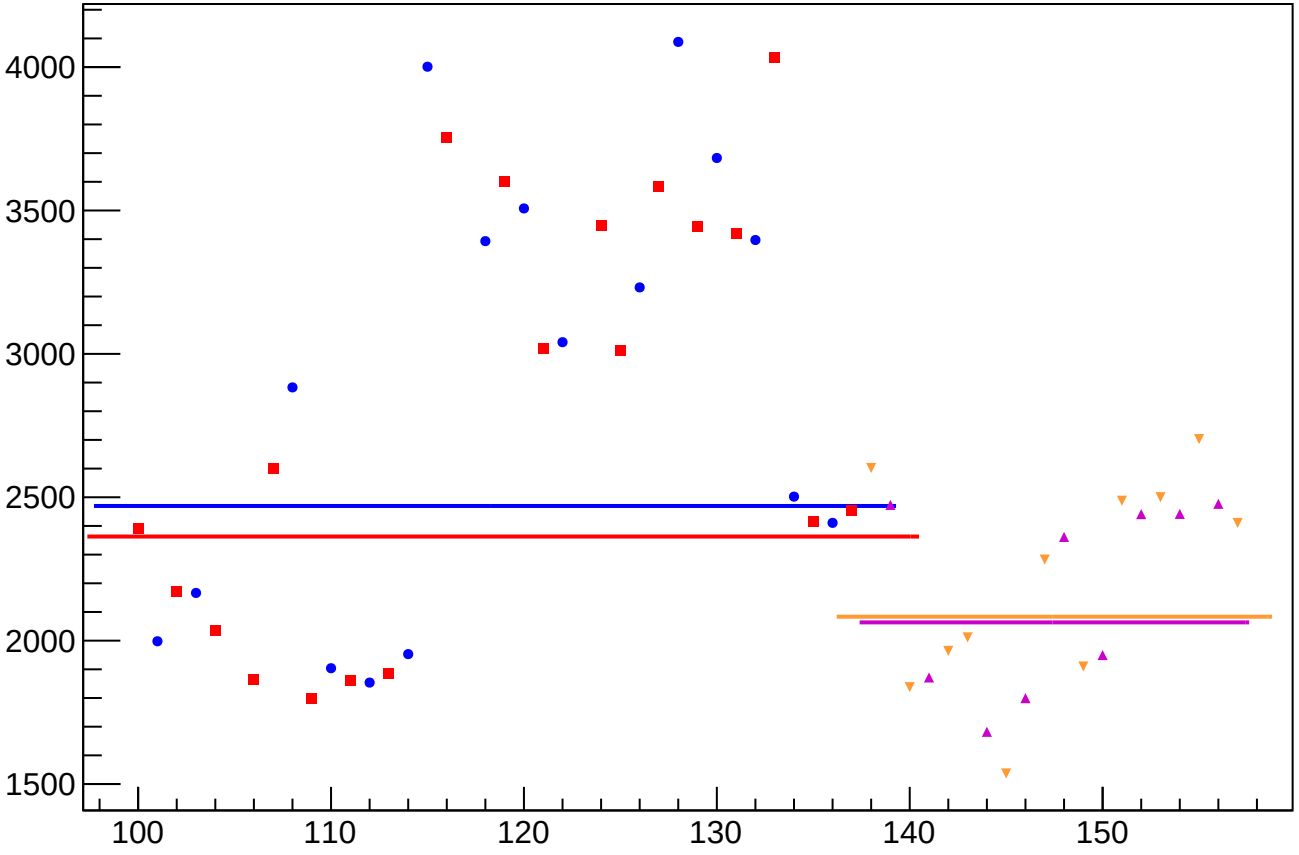
Left In: 712.174+/-749.102 χ^2/NDF:5.7/8

+ sign 2584.736+/-574.861 χ^2/NDF: 49.9/26

All: 1904.762+/-406.777 χ^2/NDF: 72.4/54

- sign 1222.847+/-575.680 χ^2/NDF: 19.7/27

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2083.554+/-0.510 χ^2/NDF:532536.1/10

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

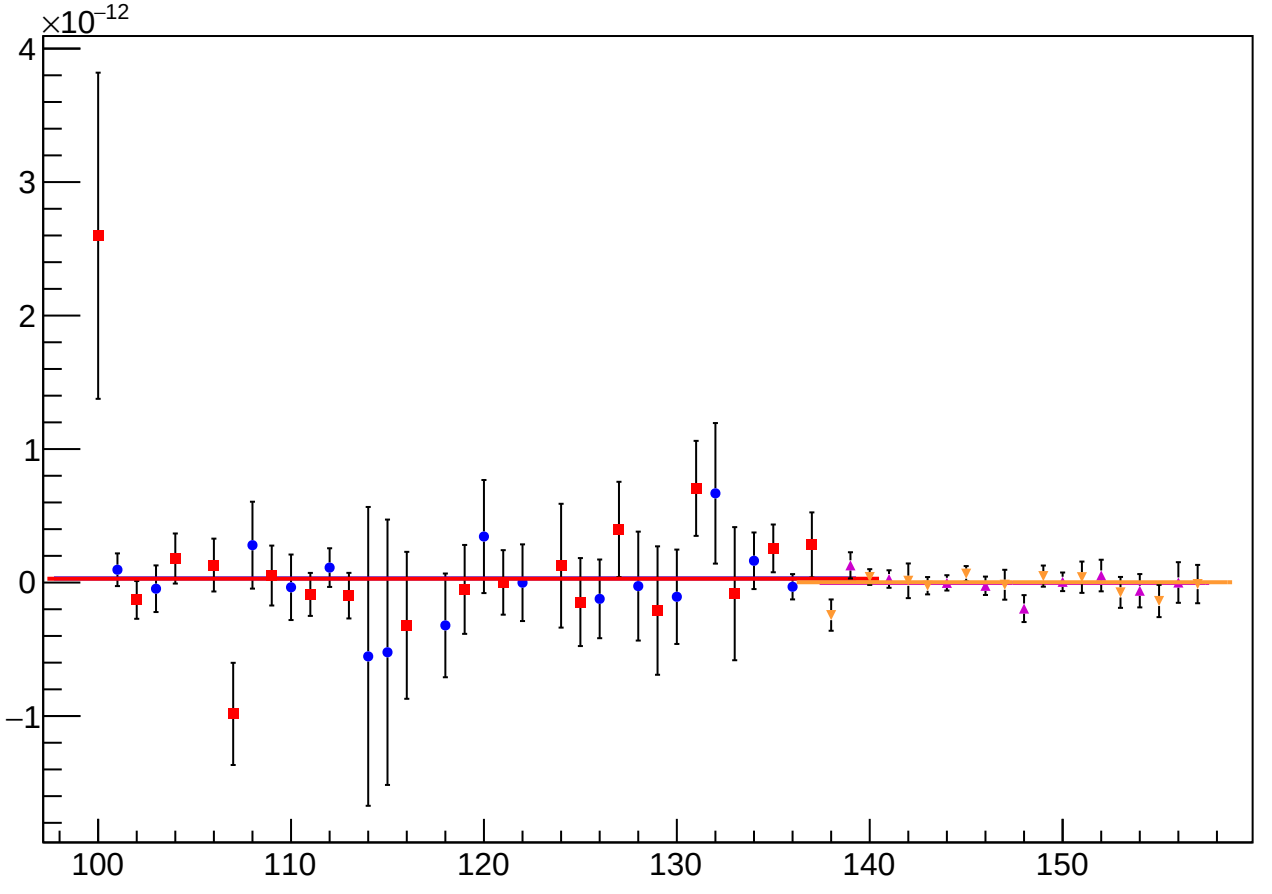
Left In: 2063.690+/-0.530 χ^2/NDF:354604.5/8

+ sign 2224.110+/-0.406 χ^2/NDF: 1627575.7/26

All: 2205.209+/-0.288 χ^2/NDF: 3160624.4/54

- sign 2186.254+/-0.407 χ^2/NDF: 1528718.4/27

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/10

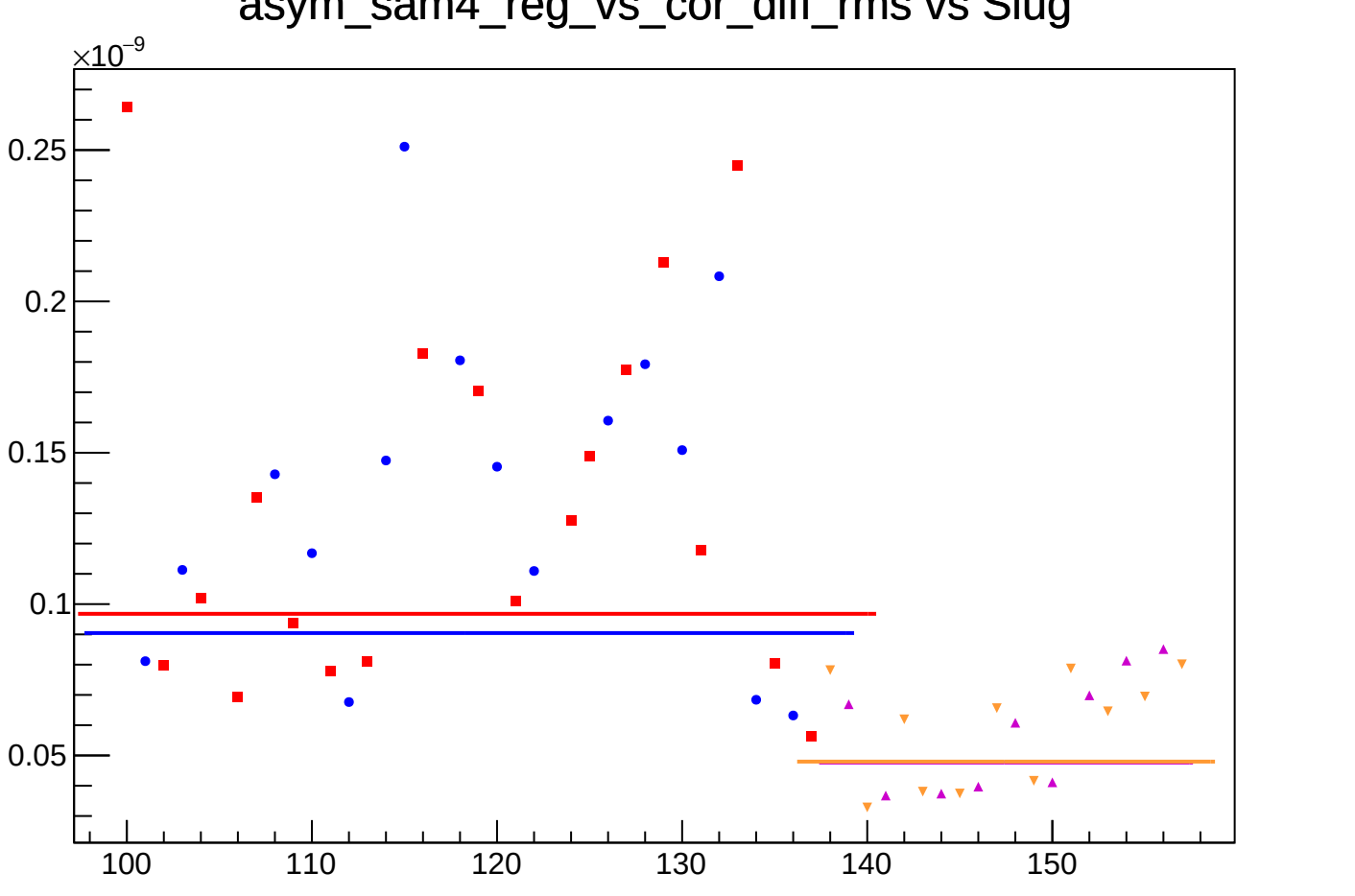
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 14.9/26

All: 0.000+/-0.000 χ^2/NDF: 44.5/54

- sign 0.000+/-0.000 χ^2/NDF: 29.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:807468.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

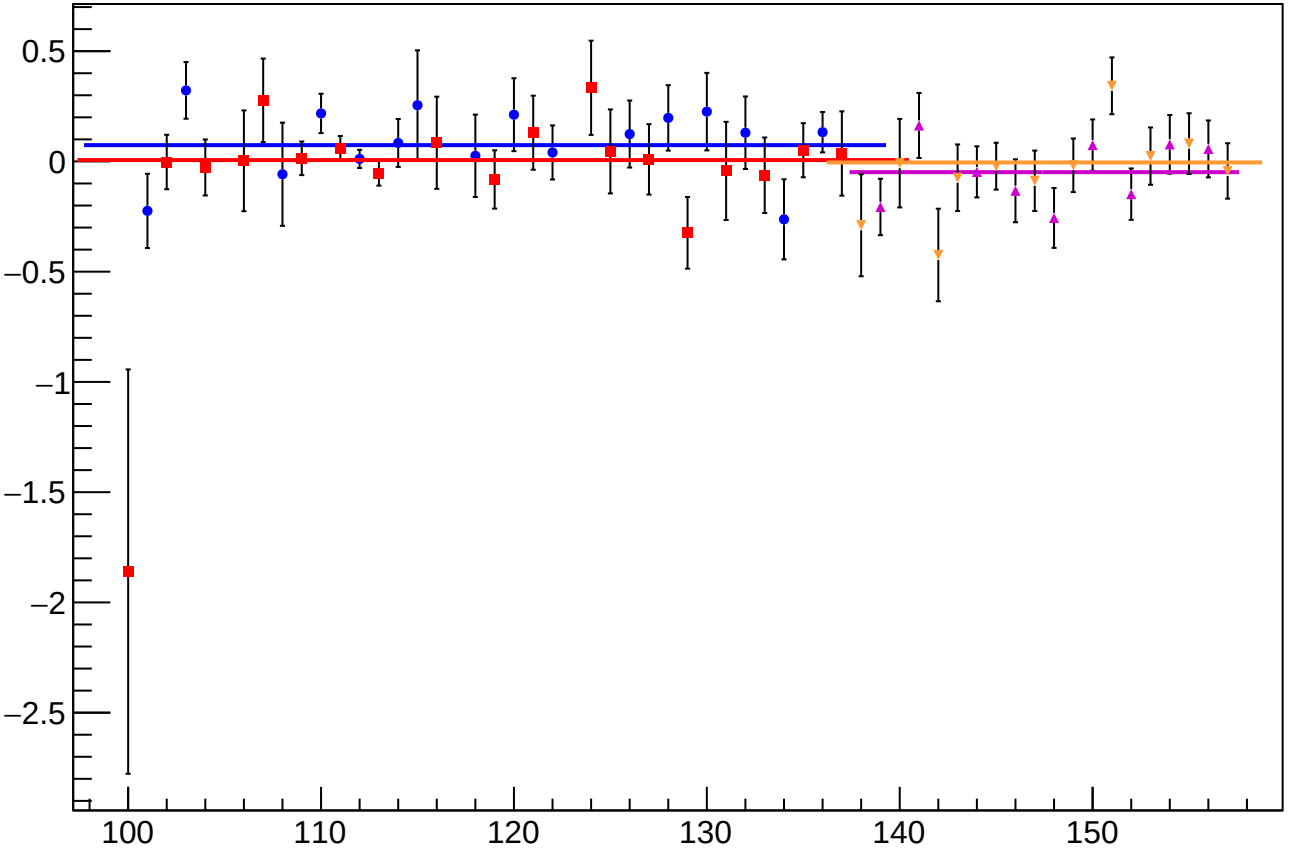
Left In: 0.000+/-0.000 χ^2/NDF:611523.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 2781367.6/26

All: 0.000+/-0.000 χ^2/NDF: 5490617.3/54

- sign 0.000+/-0.000 χ^2/NDF: 2708197.8/27

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

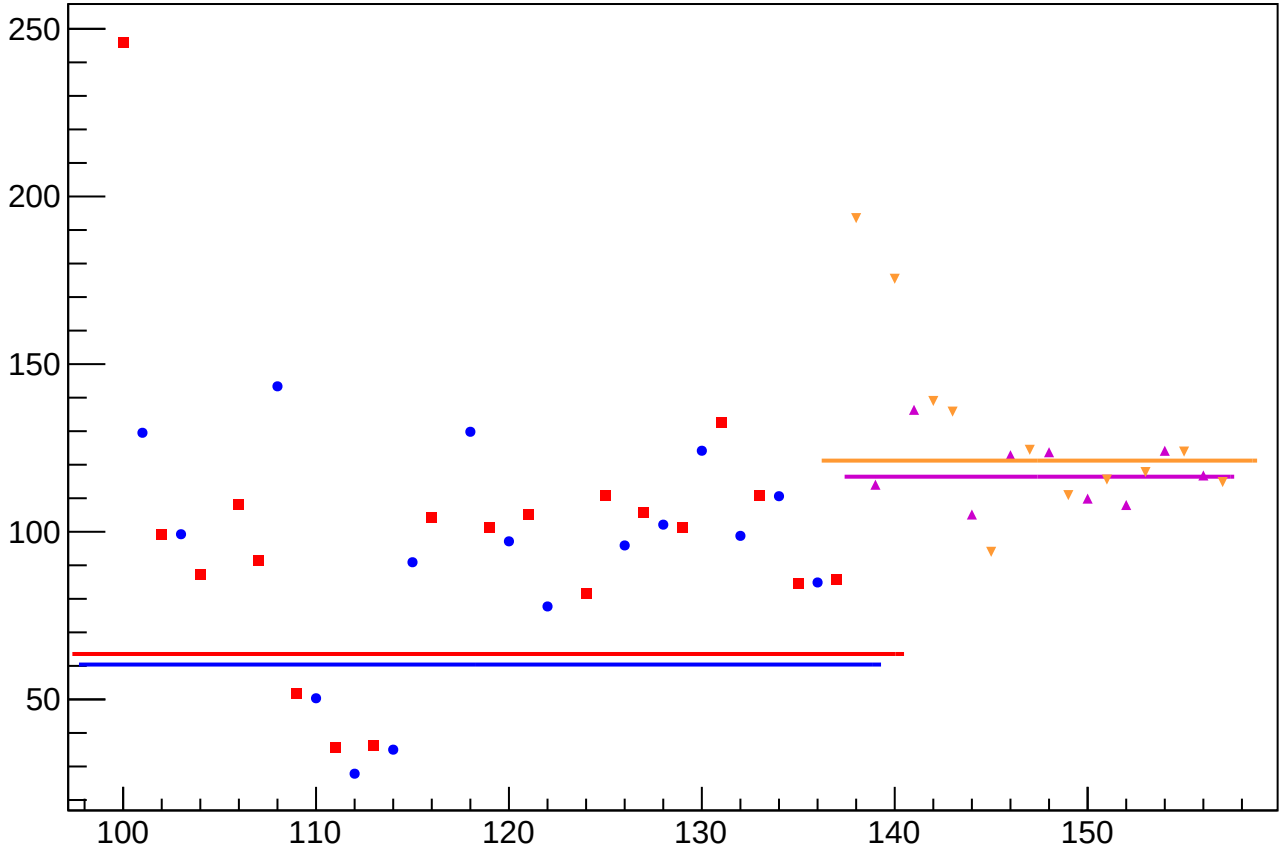
Left In: -0.049+/-0.043 χ^2/NDF:9.7/8

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.021+/-0.016 χ^2/NDF: 66.2/54

- sign -0.009+/-0.023 χ^2/NDF: 27.3/27

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

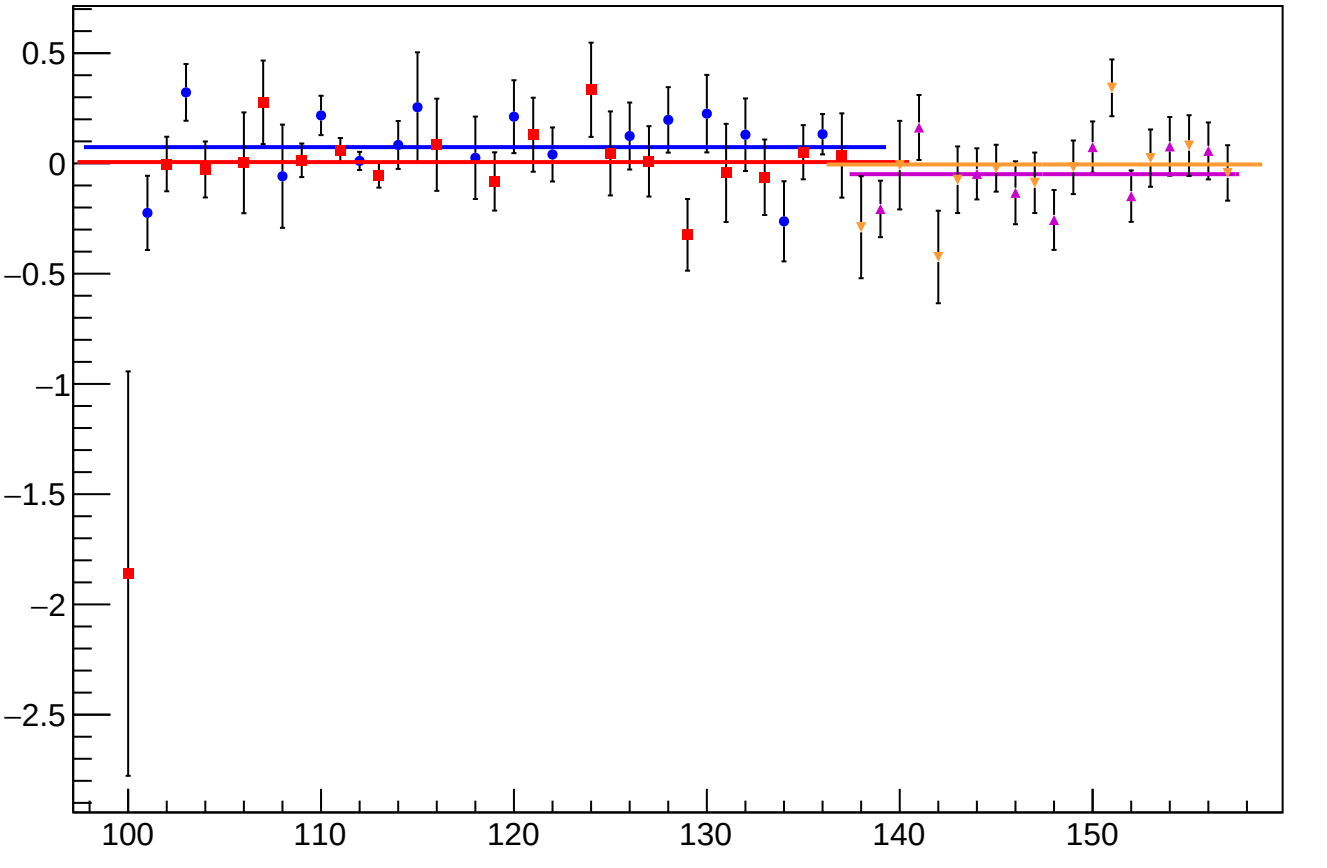
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.429+/-0.030 χ^2/NDF:89626.0/8

+ sign 77.936+/-0.016 χ^2/NDF: 6993817.3/26

All: 78.233+/-0.011 χ^2/NDF: 11938502.3/54

- sign 78.528+/-0.016 χ^2/NDF: 4944007.7/27



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

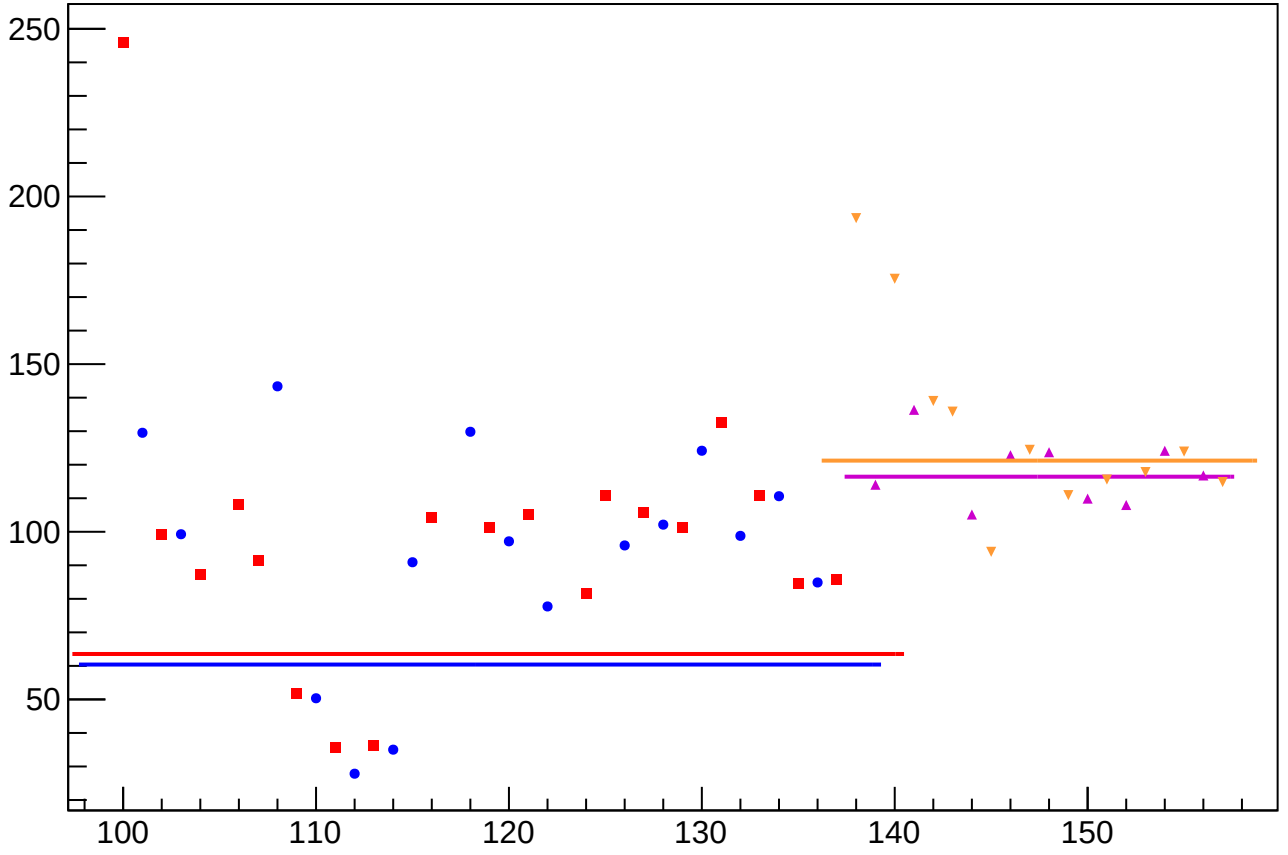
Left In: -0.049+/-0.043 χ^2/NDF:9.7/8

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.021+/-0.016 χ^2/NDF: 66.2/54

- sign -0.009+/-0.023 χ^2/NDF: 27.3/27

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.225+/-0.030 χ^2/NDF:532260.1/10

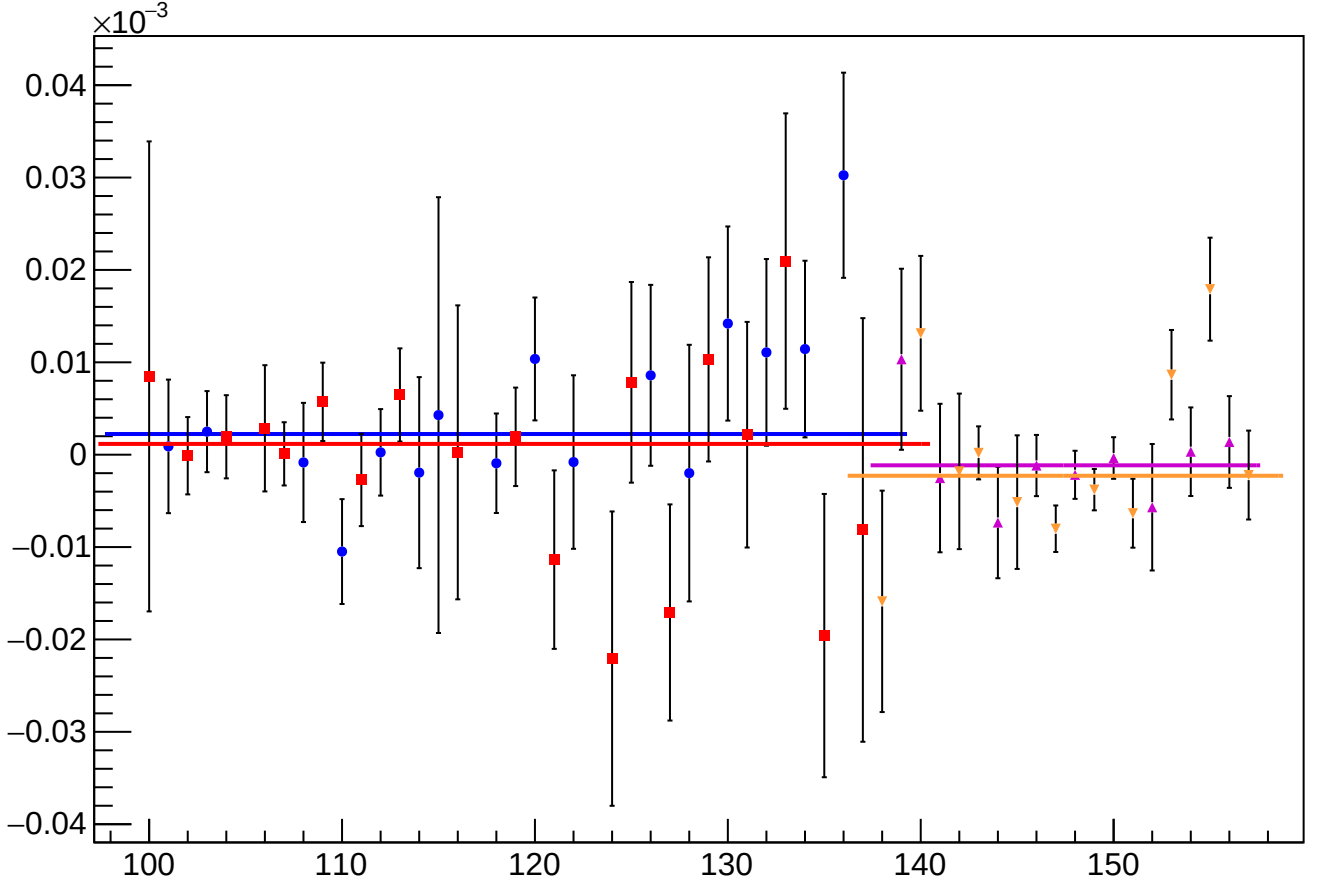
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.429+/-0.030 χ^2/NDF:89626.0/8

+ sign 77.936+/-0.016 χ^2/NDF: 6993817.3/26

All: 78.233+/-0.011 χ^2/NDF: 11938502.3/54

- sign 78.528+/-0.016 χ^2/NDF: 4944007.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

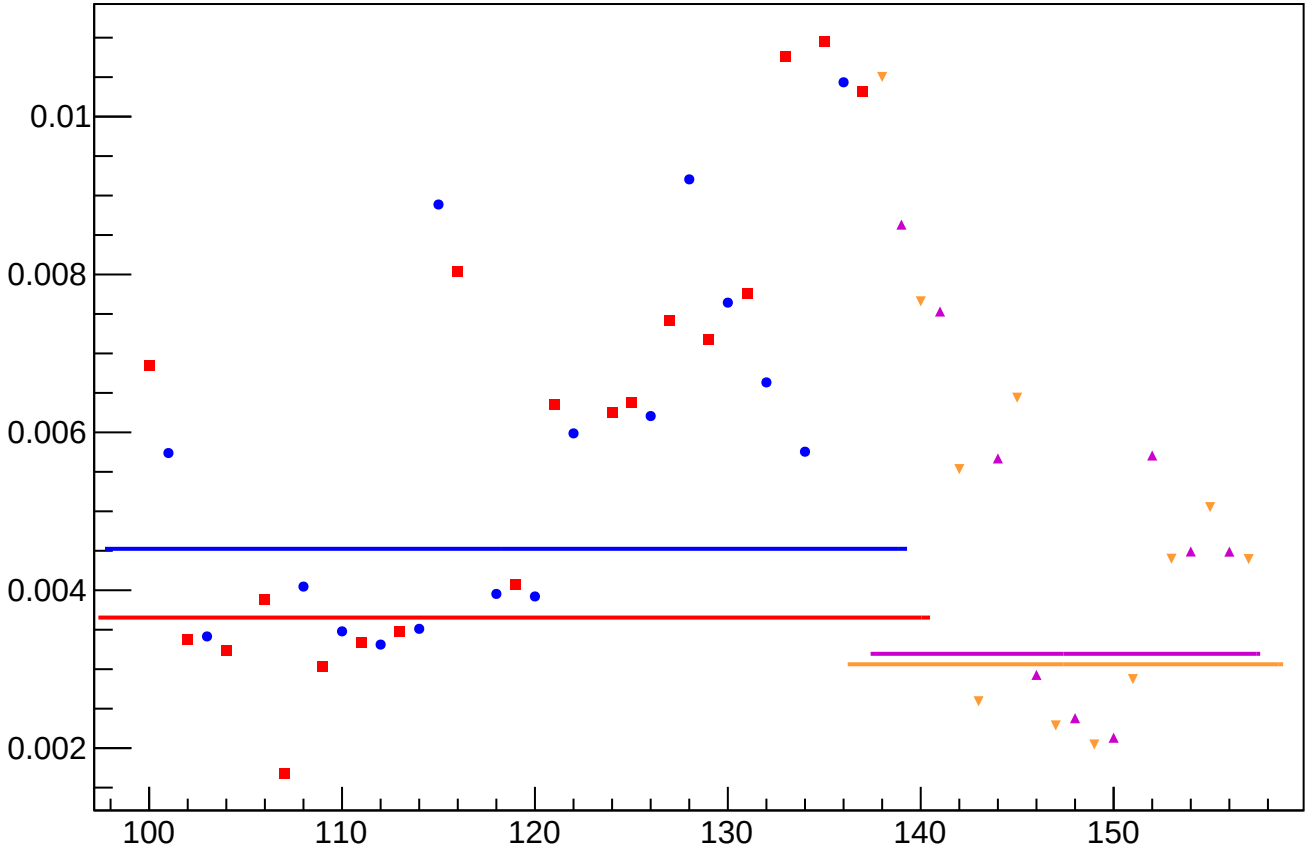
Left In: -0.000+/-0.000 χ^2/NDF:3.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/26

All: -0.000+/-0.000 χ^2/NDF: 71.8/54

- sign -0.000+/-0.000 χ^2/NDF: 19.0/27

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:3202236.5/10

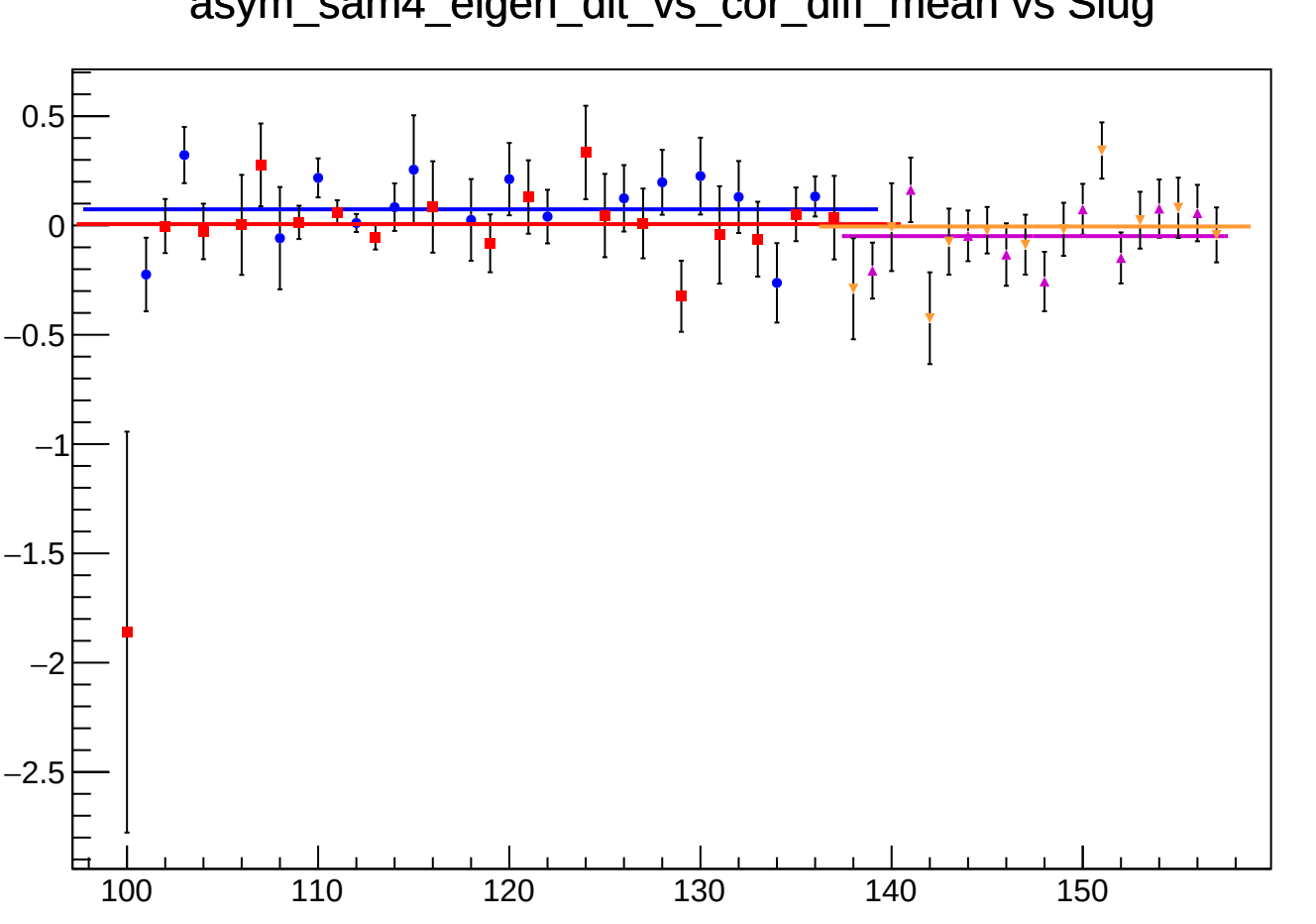
Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2740989.0/8

+ sign 0.003+/-0.000 χ^2/NDF: 5840891.0/26

All: 0.003+/-0.000 χ^2/NDF: 11633668.2/54

- sign 0.003+/-0.000 χ^2/NDF: 5781431.9/27



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.005+/-0.042 χ^2/NDF:13.9/10

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

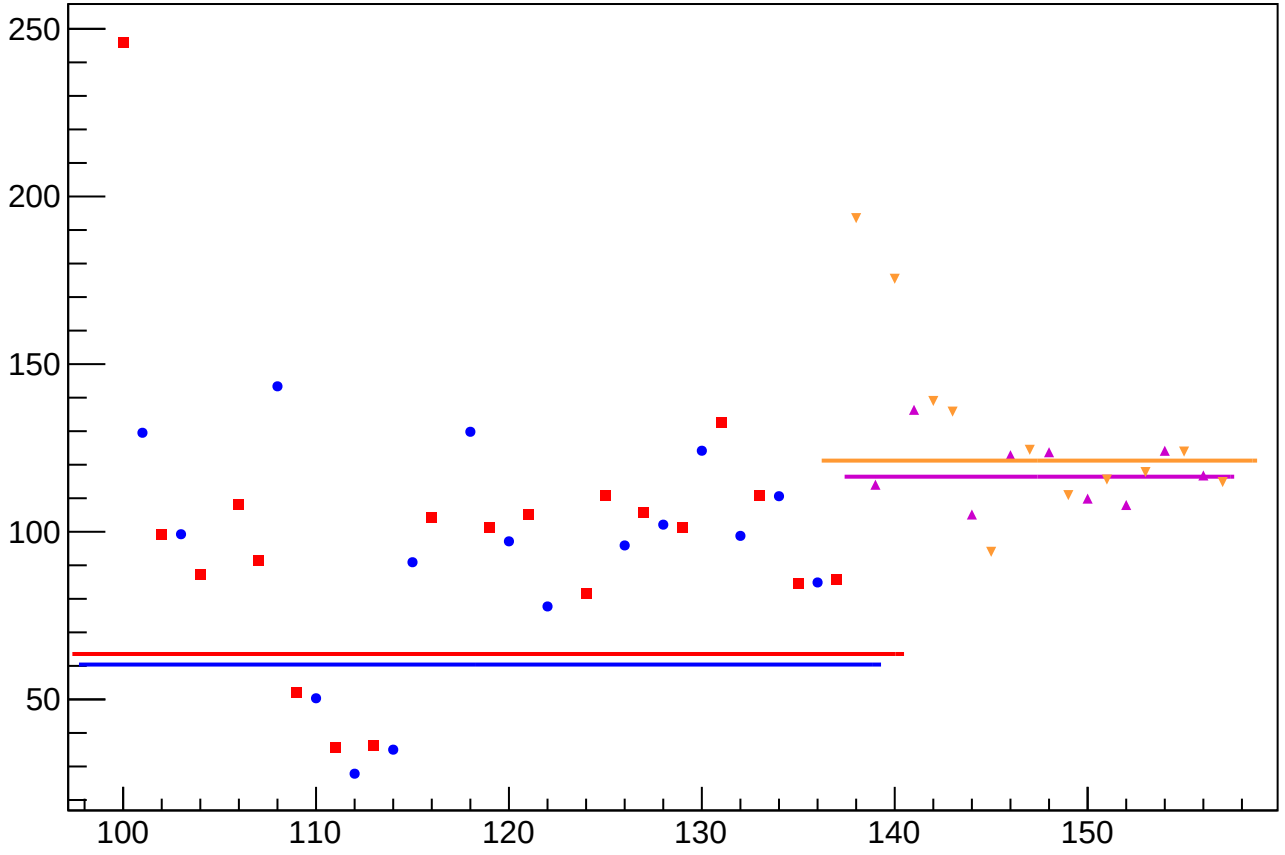
Left In: -0.049+/-0.043 χ^2/NDF:9.7/8

+ sign 0.051+/-0.023 χ^2/NDF: 35.4/26

All: 0.021+/-0.016 χ^2/NDF: 66.2/54

- sign -0.009+/-0.023 χ^2/NDF: 27.3/27

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

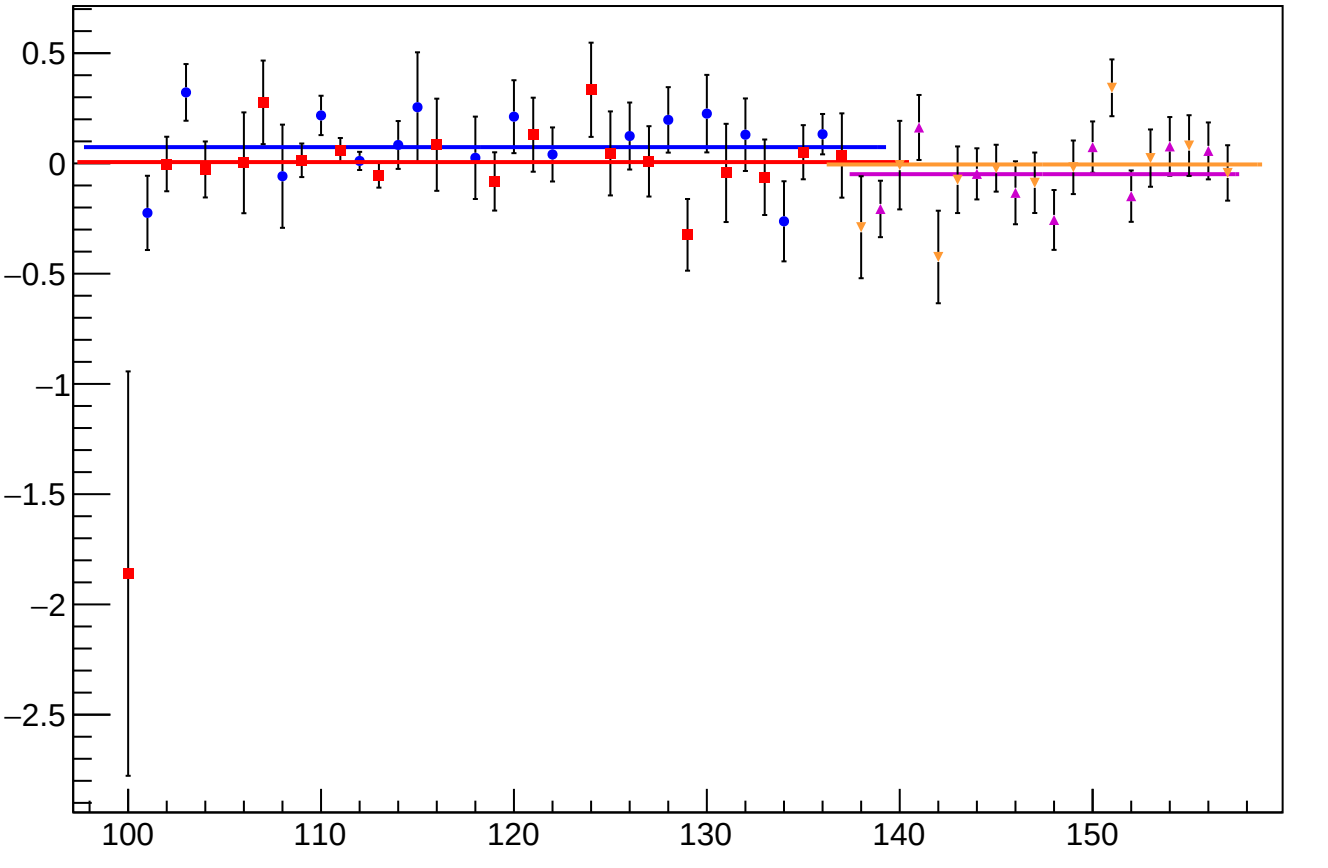
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.430+/-0.030 χ^2/NDF:89626.2/8

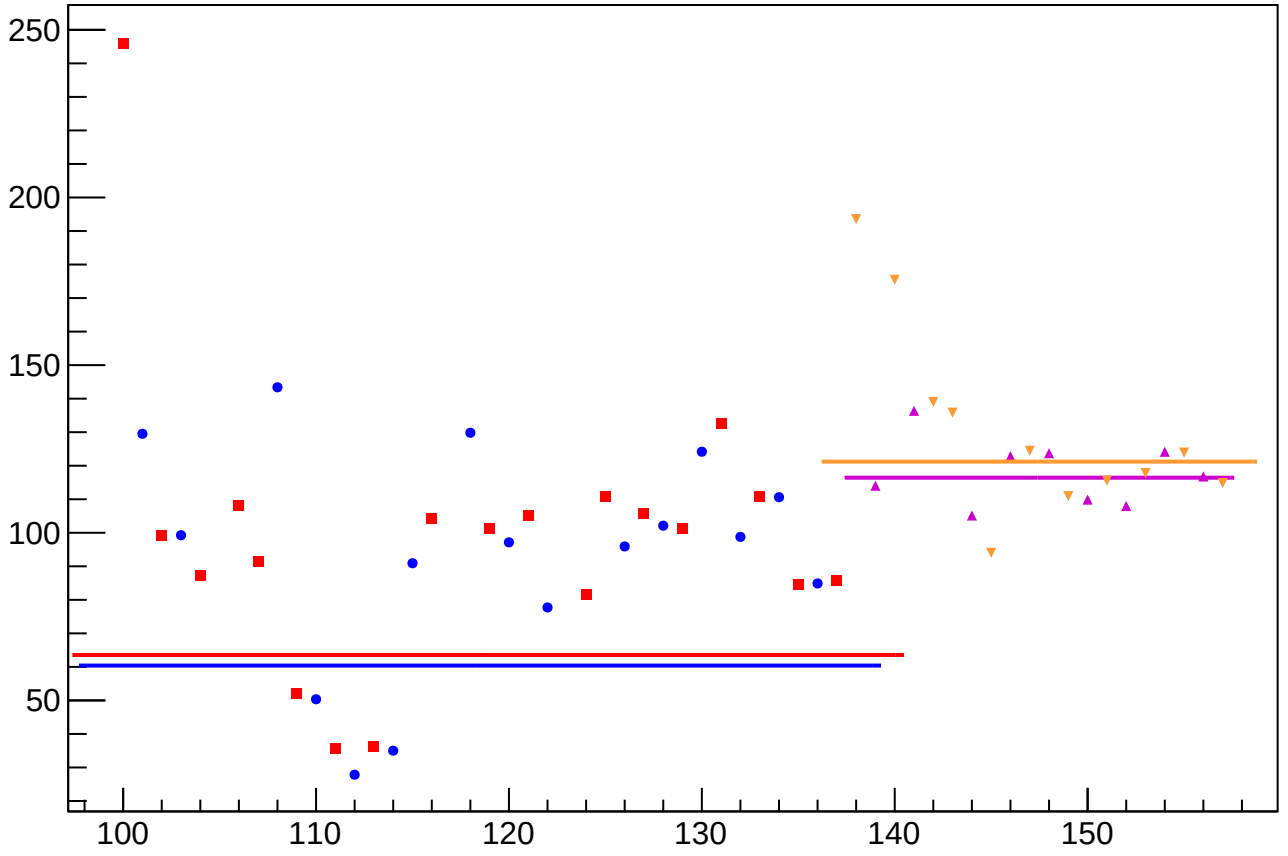
\+ sign 77.934+/-0.016 χ^2/NDF: 6994376.1/26

All: 78.231+/-0.011 χ^2/NDF: 11939573.0/54

\- sign 78.526+/-0.016 χ^2/NDF: 4944518.8/27


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.005+/-0.042 χ²/NDF:13.9/10
Right Out: 0.006+/-0.027 χ²/NDF: 16.4/18
Left In: -0.049+/-0.043 χ²/NDF:9.7/8
+ sign 0.051+/-0.023 χ²/NDF: 35.4/26
All: 0.021+/-0.016 χ²/NDF: 66.2/54
- sign -0.009+/-0.023 χ²/NDF: 27.3/27

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.227+/-0.030 χ^2/NDF:532234.3/10

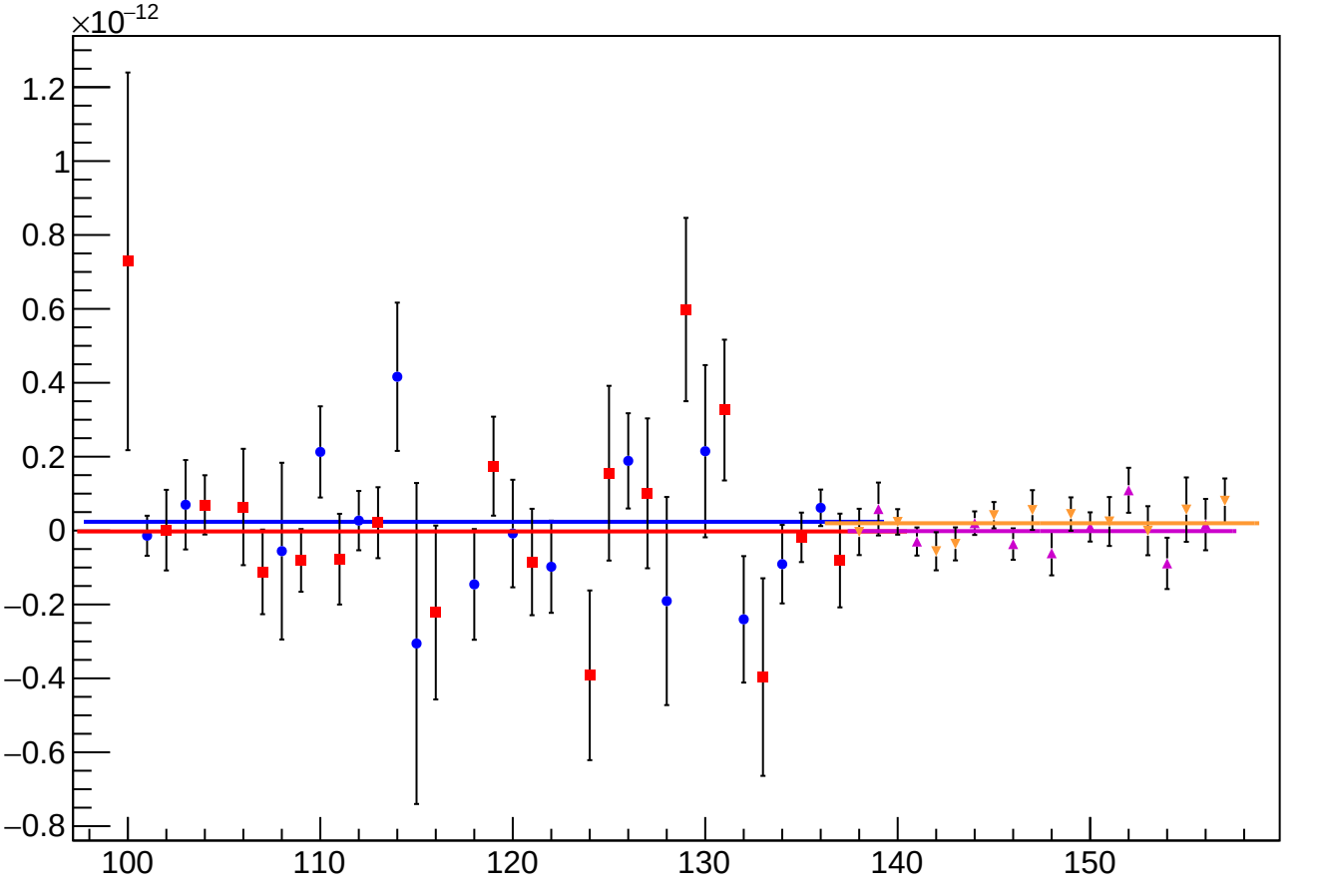
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.430+/-0.030 χ^2/NDF:89626.2/8

\+ sign 77.934+/-0.016 χ^2/NDF: 6994376.1/26

All: 78.231+/-0.011 χ^2/NDF: 11939573.0/54

\- sign 78.526+/-0.016 χ^2/NDF: 4944518.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

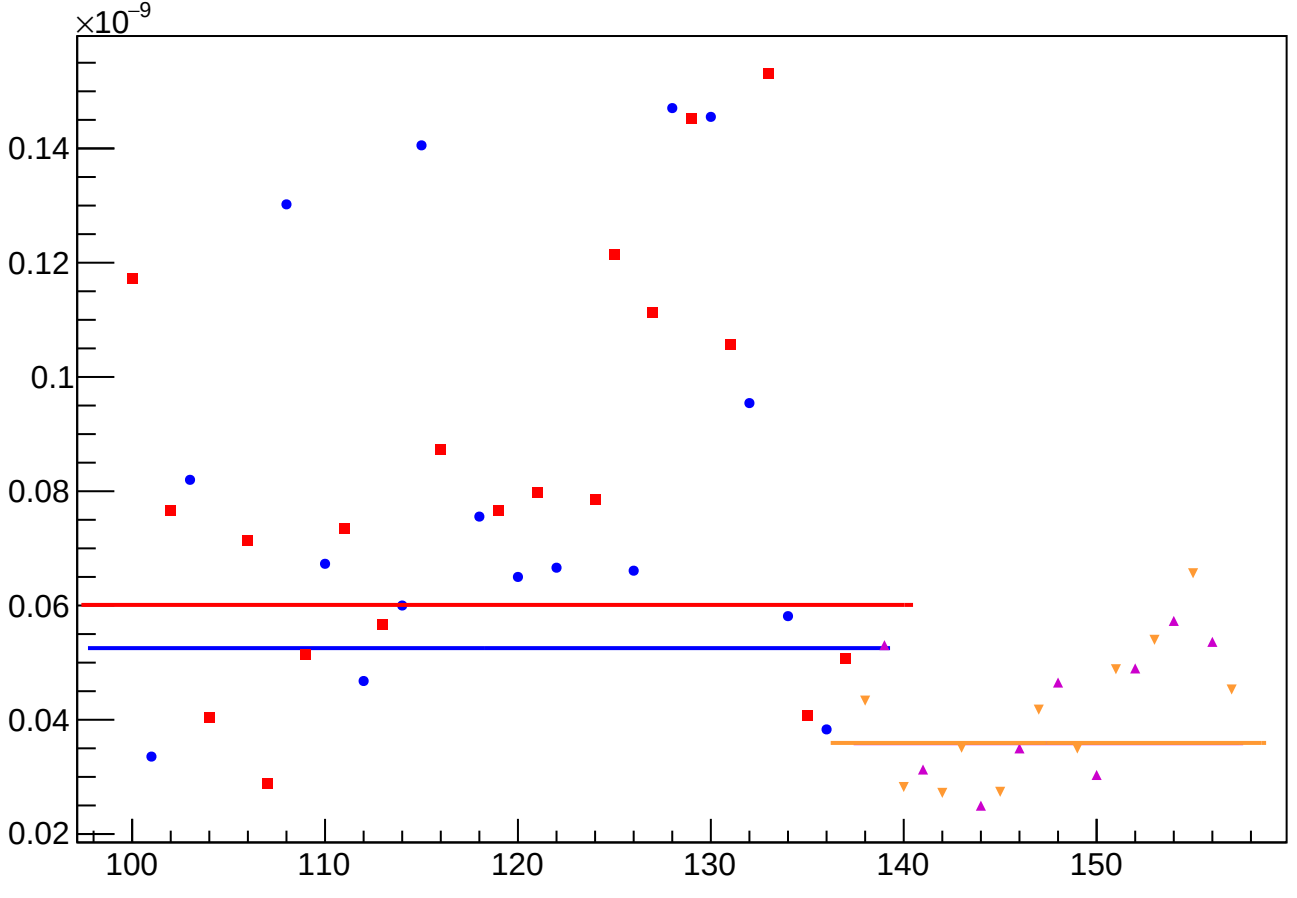
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/26

All: 0.000+/-0.000 χ^2/NDF: 56.1/54

- sign -0.000+/-0.000 χ^2/NDF: 31.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:829841.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

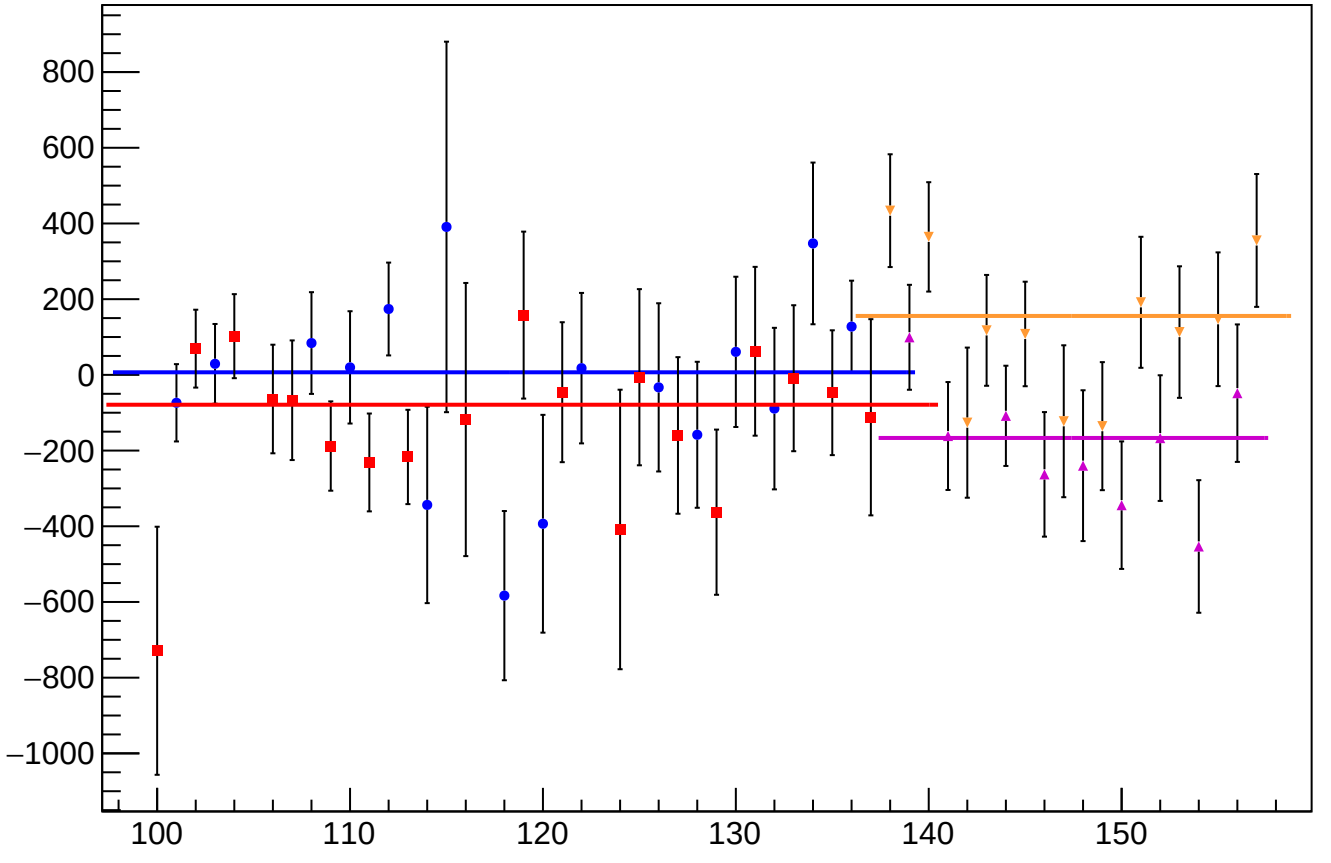
Left In: 0.000+/-0.000 χ^2/NDF:895211.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 3083736.1/26

All: 0.000+/-0.000 χ^2/NDF: 6612135.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3517180.1/27

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.681+/-49.493 χ^2/NDF:14.1/10

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

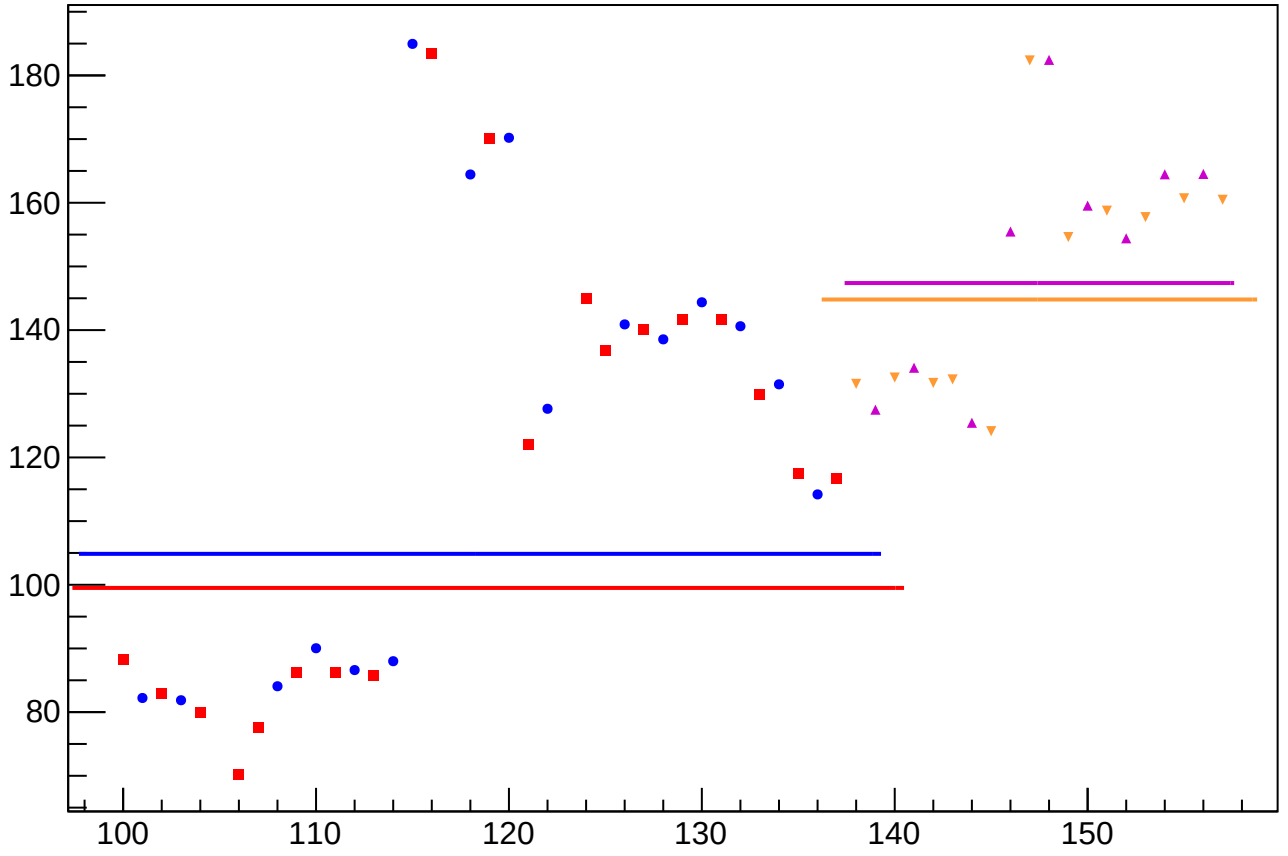
Left In: -166.674+/-53.086 χ^2/NDF:8.6/8

+ sign 66.256+/-31.275 χ^2/NDF: 38.3/26

All: -22.336+/-21.963 χ^2/NDF: 81.2/54

- sign -108.529+/-30.849 χ^2/NDF: 27.1/27

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

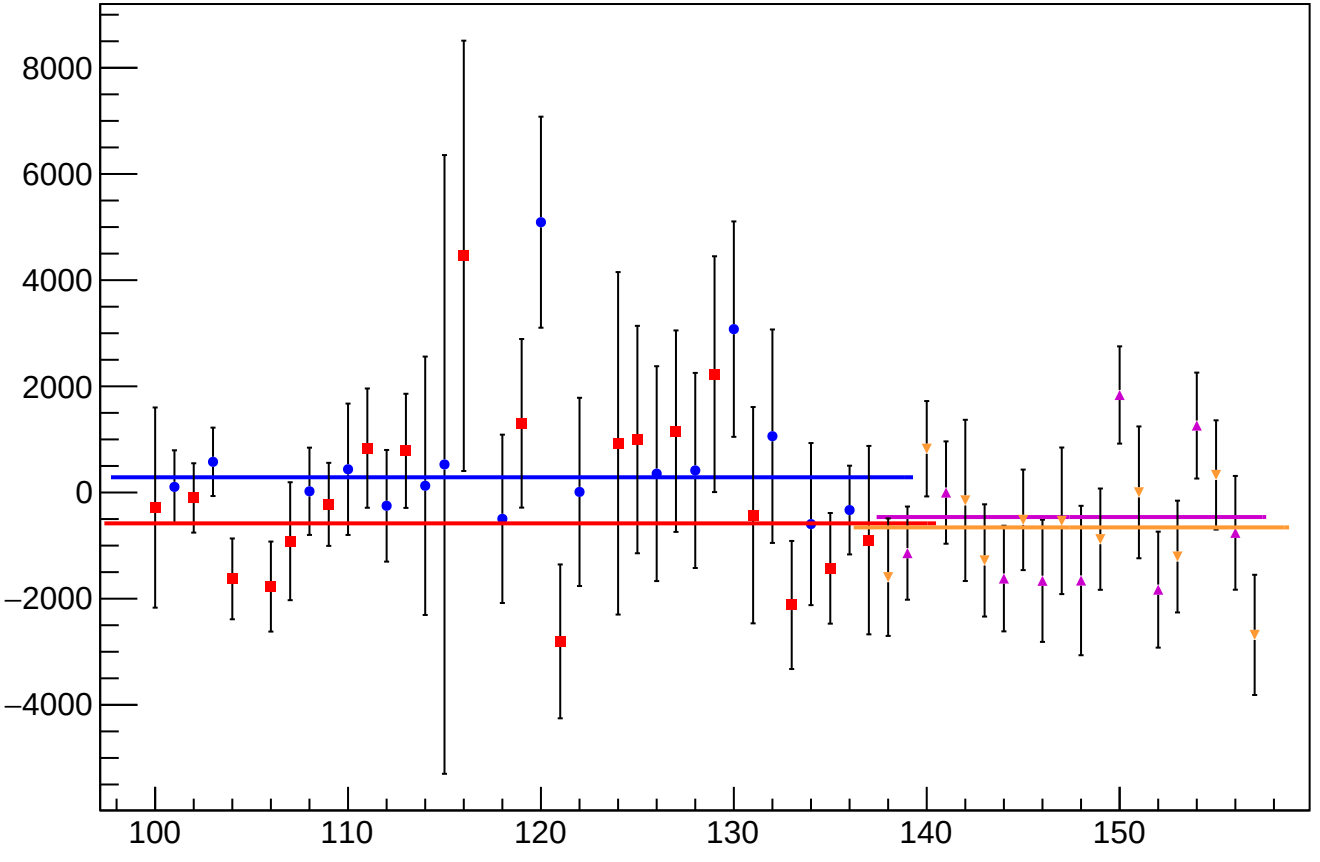
Left In: 147.393+/-0.038 χ^2/NDF:231062.6/8

+ sign 120.812+/-0.022 χ^2/NDF: 1945323.1/26

All: 118.210+/-0.016 χ^2/NDF: 4320538.6/54

- sign 115.678+/-0.022 χ^2/NDF: 2347901.3/27

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -657.145+/-326.187 χ^2/NDF:8.7/10

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

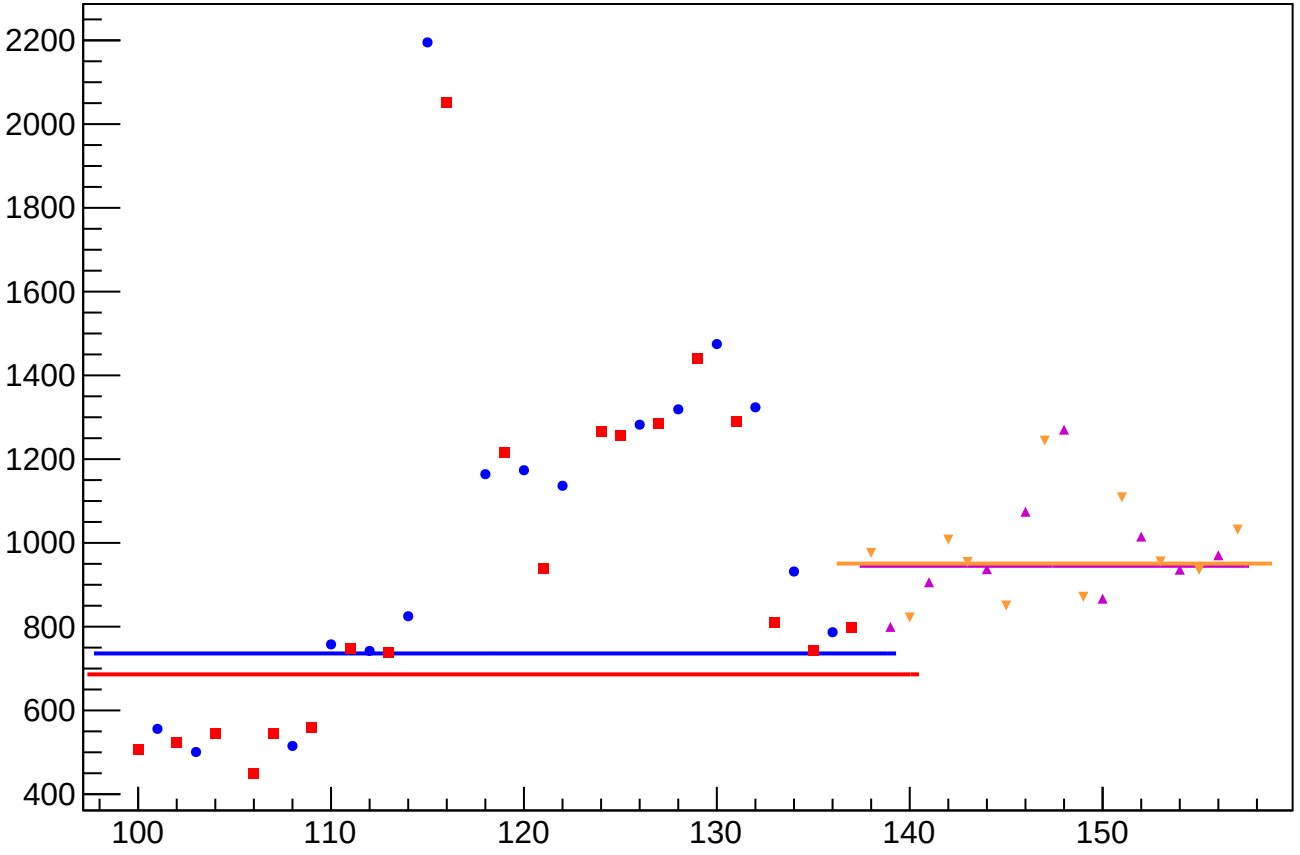
Left In: -462.227+/-342.012 χ^2/NDF:14.9/8

+ sign -135.414+/-218.169 χ^2/NDF: 23.0/26

All: -341.411+/-151.971 χ^2/NDF: 58.5/54

- sign -535.579+/-211.812 χ^2/NDF: 33.8/27

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 950.651+/-0.231 χ^2/NDF:214826.9/10

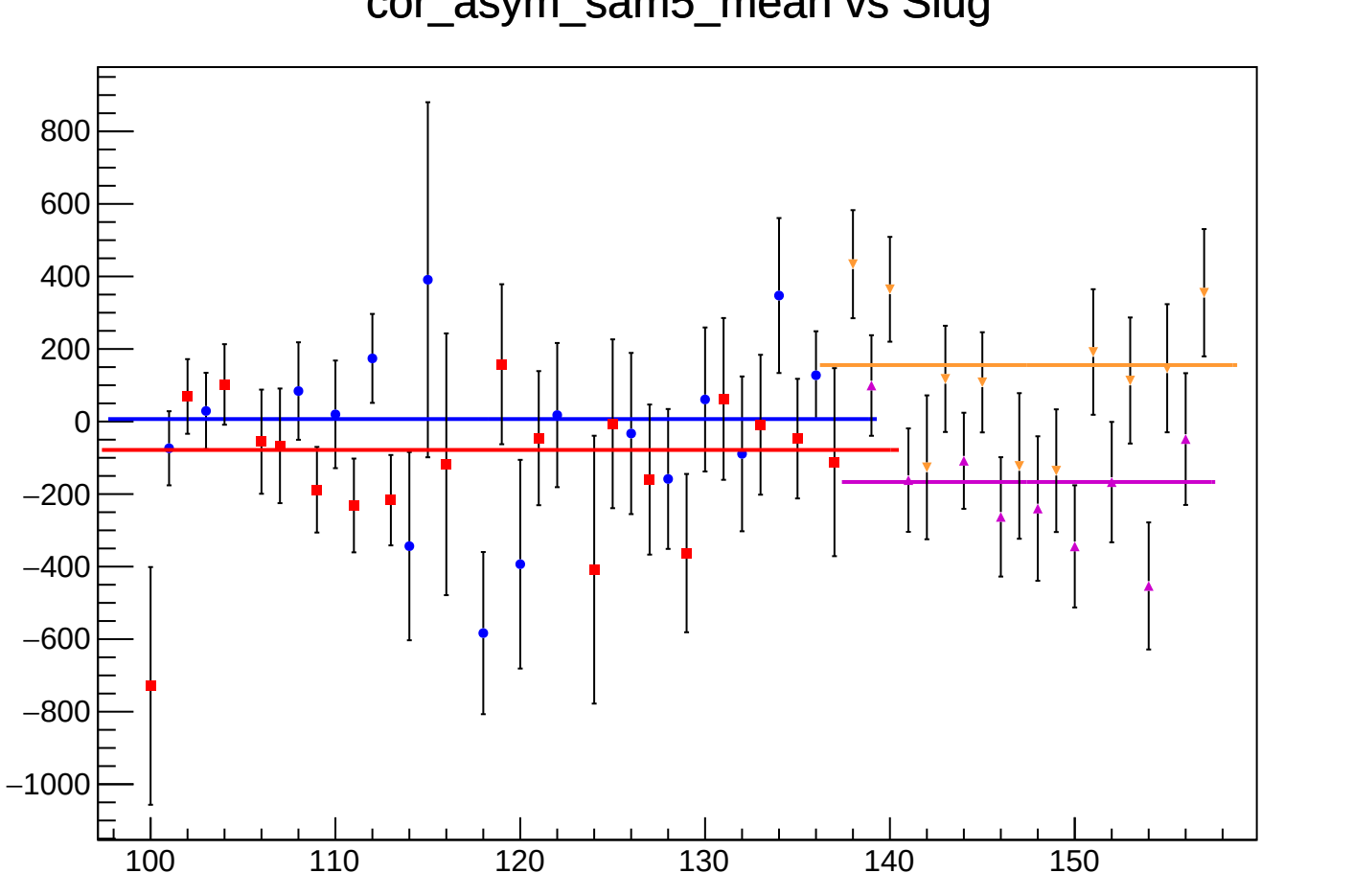
Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 945.338+/-0.242 χ^2/NDF:214730.6/8

+ sign 832.072+/-0.154 χ^2/NDF: 2537590.9/26

All: 808.116+/-0.107 χ^2/NDF: 5326640.6/54

- sign 785.535+/-0.150 χ^2/NDF: 2742206.2/27



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 155.679+/-49.493 χ^2/NDF:14.1/10

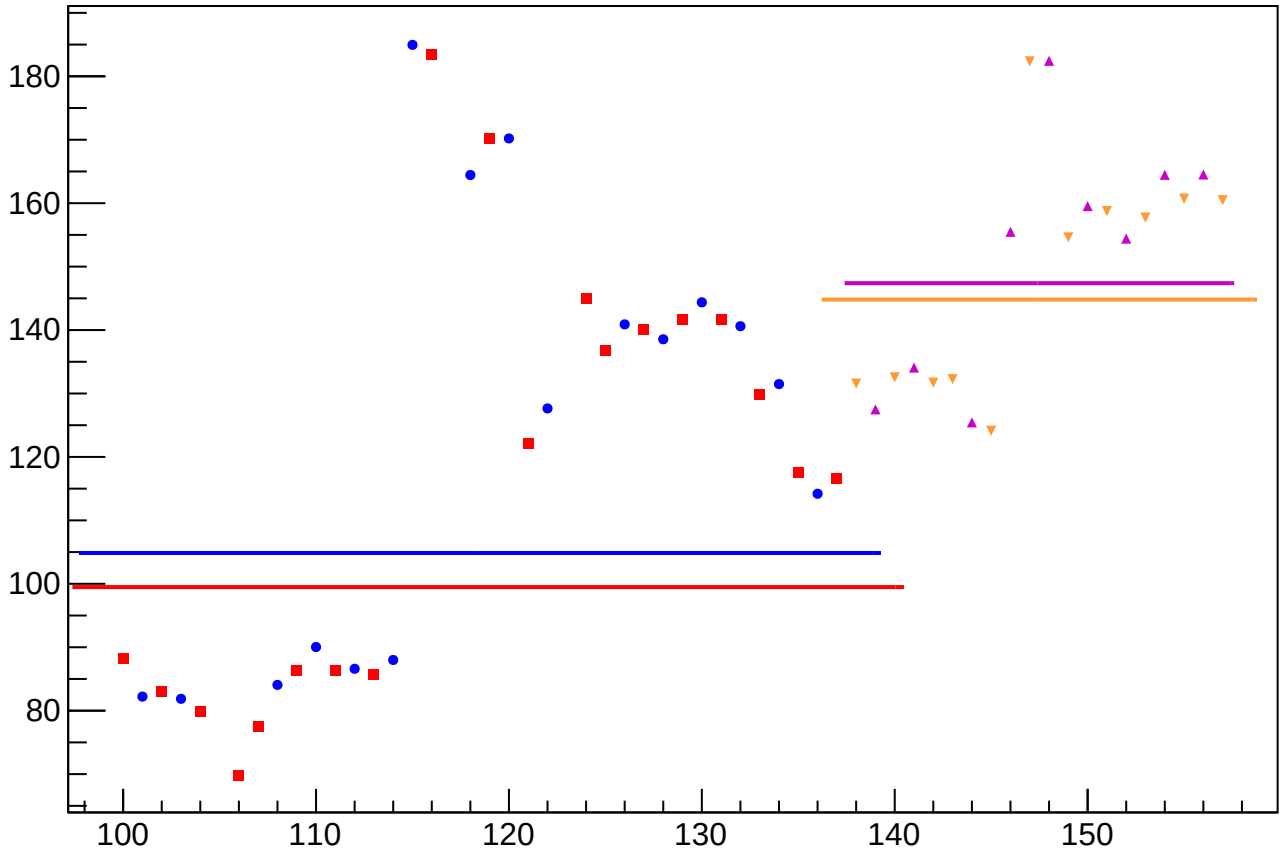
Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: -166.674+/-53.086 χ^2/NDF:8.6/8

+ sign 66.249+/-31.275 χ^2/NDF: 38.3/26

All: -22.157+/-21.963 χ^2/NDF: 81.1/54

- sign -108.177+/-30.850 χ^2/NDF: 27.1/27



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

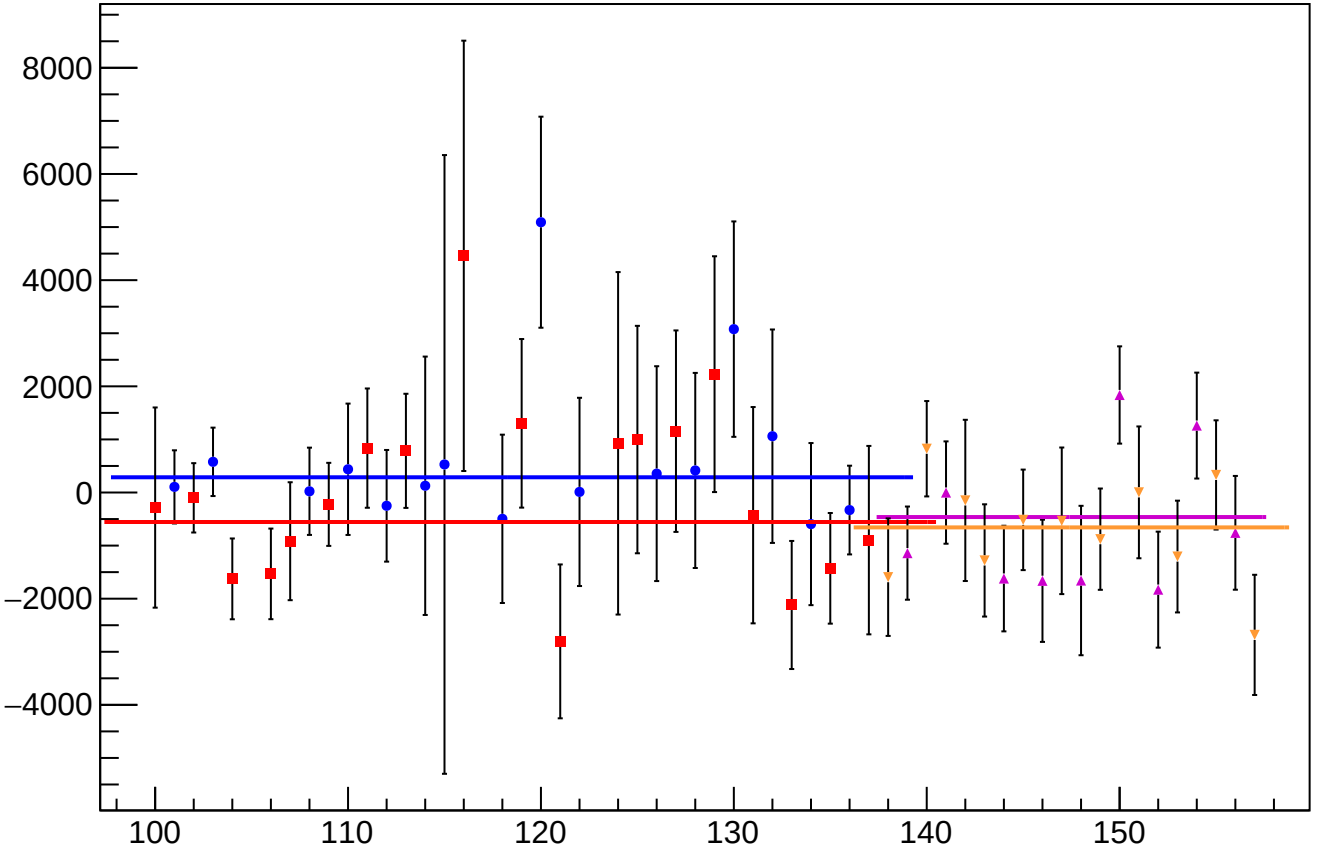
Left In: 147.393+/-0.038 χ^2/NDF:231062.6/8

+ sign 120.812+/-0.022 χ^2/NDF: 1945321.7/26

All: 118.202+/-0.016 χ^2/NDF: 4323899.4/54

- sign 115.664+/-0.022 χ^2/NDF: 2351112.1/27

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

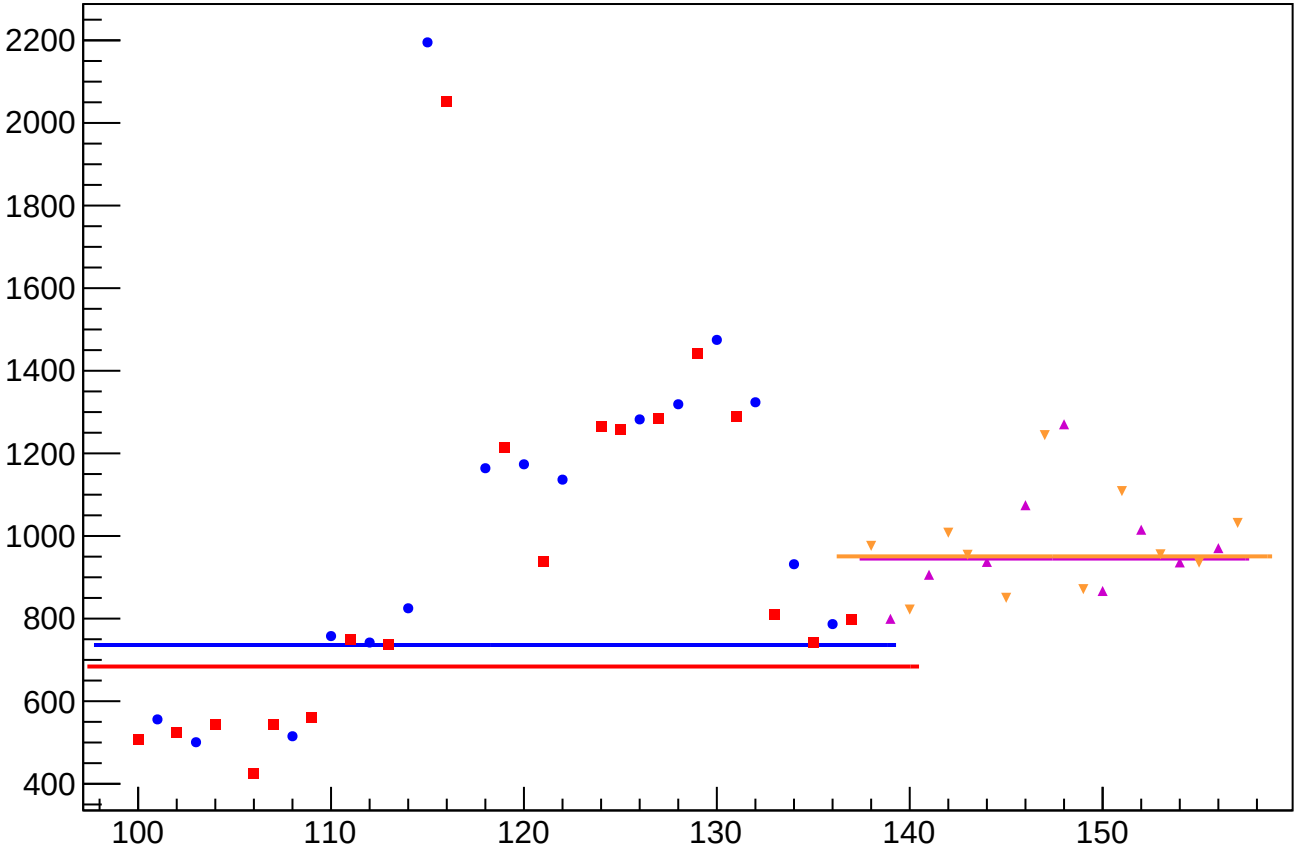
Left In: -462.221+/-342.012 χ^2/NDF:14.9/8

+ sign -135.411+/-218.169 χ^2/NDF: 23.0/26

All: -333.134+/-152.003 χ^2/NDF: 57.6/54

- sign -519.655+/-211.899 χ^2/NDF: 33.0/27

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

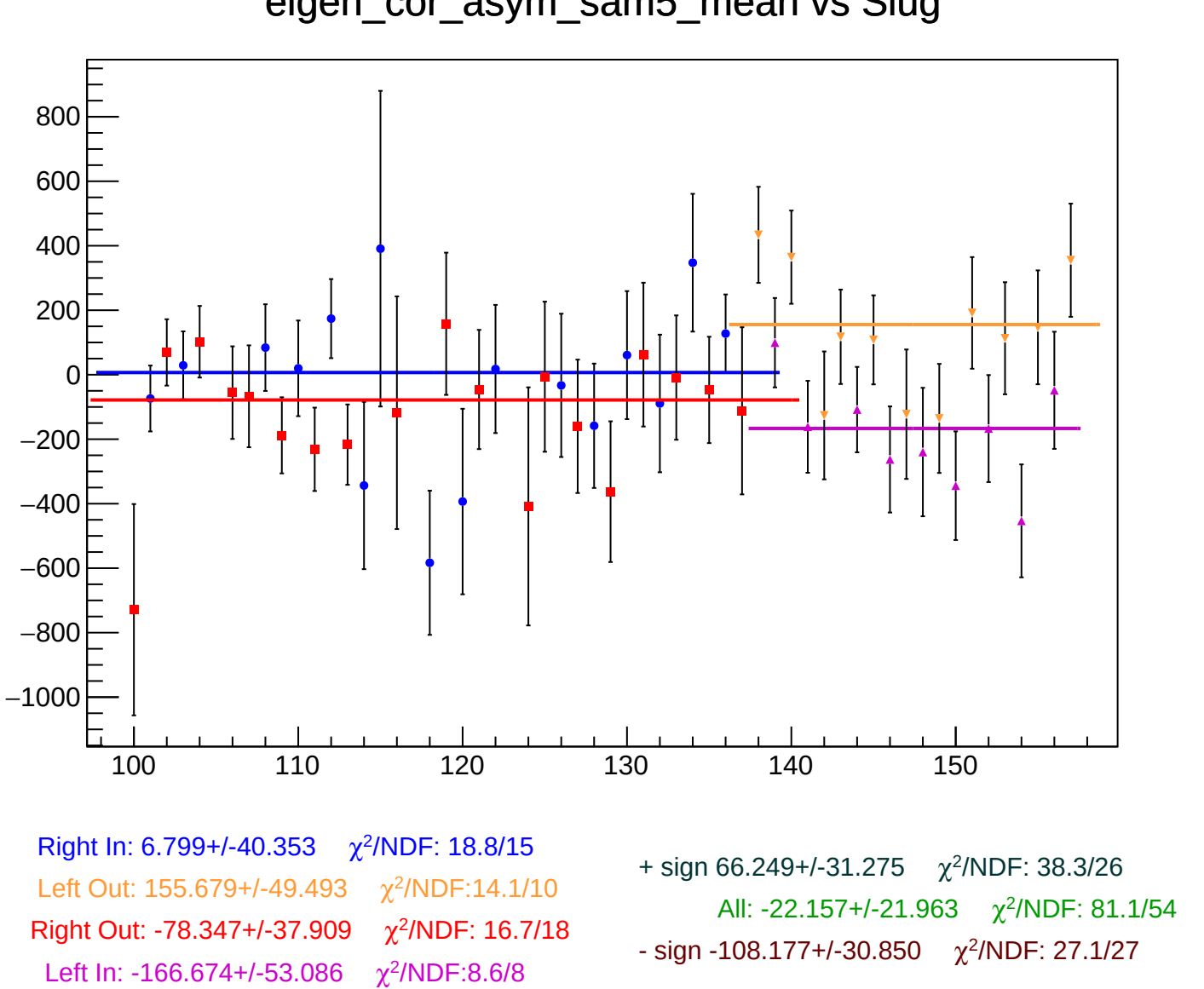
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

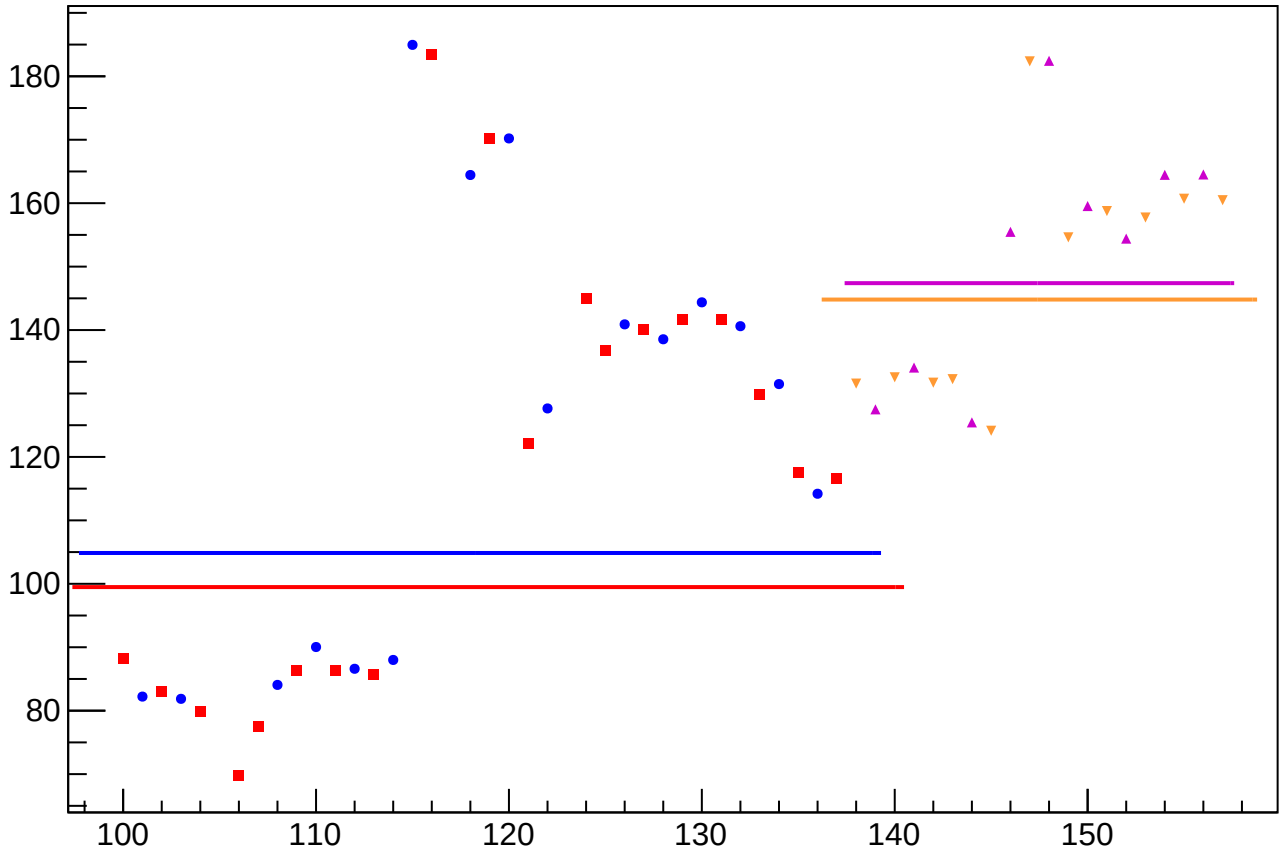
Left In: 945.338+/-0.242 χ^2/NDF:214730.6/8

+ sign 832.071+/-0.154 χ^2/NDF: 2537597.1/26

All: 807.492+/-0.107 χ^2/NDF: 5371670.8/54

- sign 784.305+/-0.150 χ^2/NDF: 2784741.4/27


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 155.679+/-49.493 χ²/NDF:14.1/10
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -166.674+/-53.086 χ²/NDF:8.6/8
+ sign 66.249+/-31.275 χ²/NDF: 38.3/26
All: -22.157+/-21.963 χ²/NDF: 81.1/54
- sign -108.177+/-30.850 χ²/NDF: 27.1/27



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 144.808+/-0.035 χ^2/NDF:231400.6/10

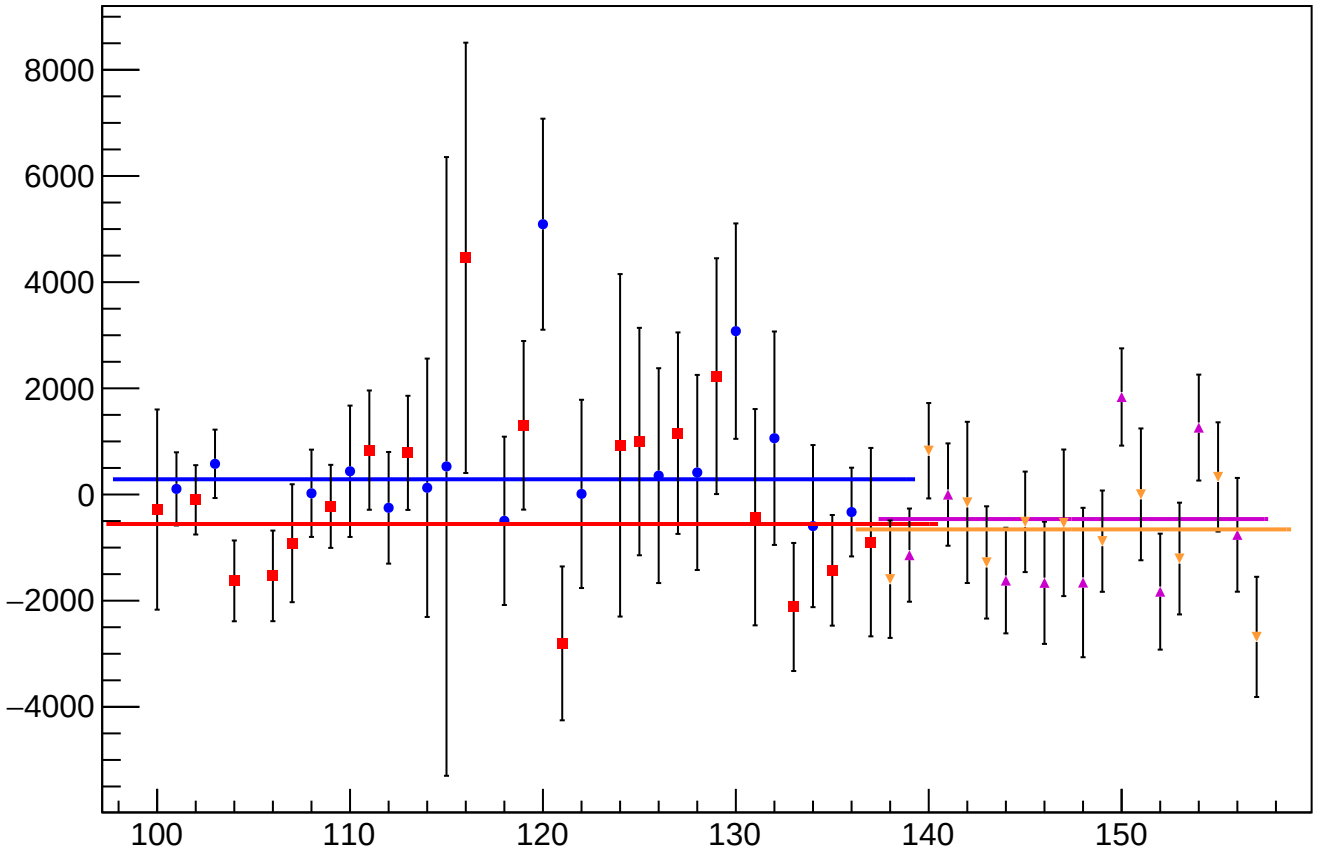
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 147.393+/-0.038 χ^2/NDF:231062.6/8

+ sign 120.812+/-0.022 χ^2/NDF: 1945321.7/26

All: 118.202+/-0.016 χ^2/NDF: 4323899.4/54

- sign 115.664+/-0.022 χ^2/NDF: 2351112.1/27



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -657.142+/-326.187 χ^2/NDF:8.7/10

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

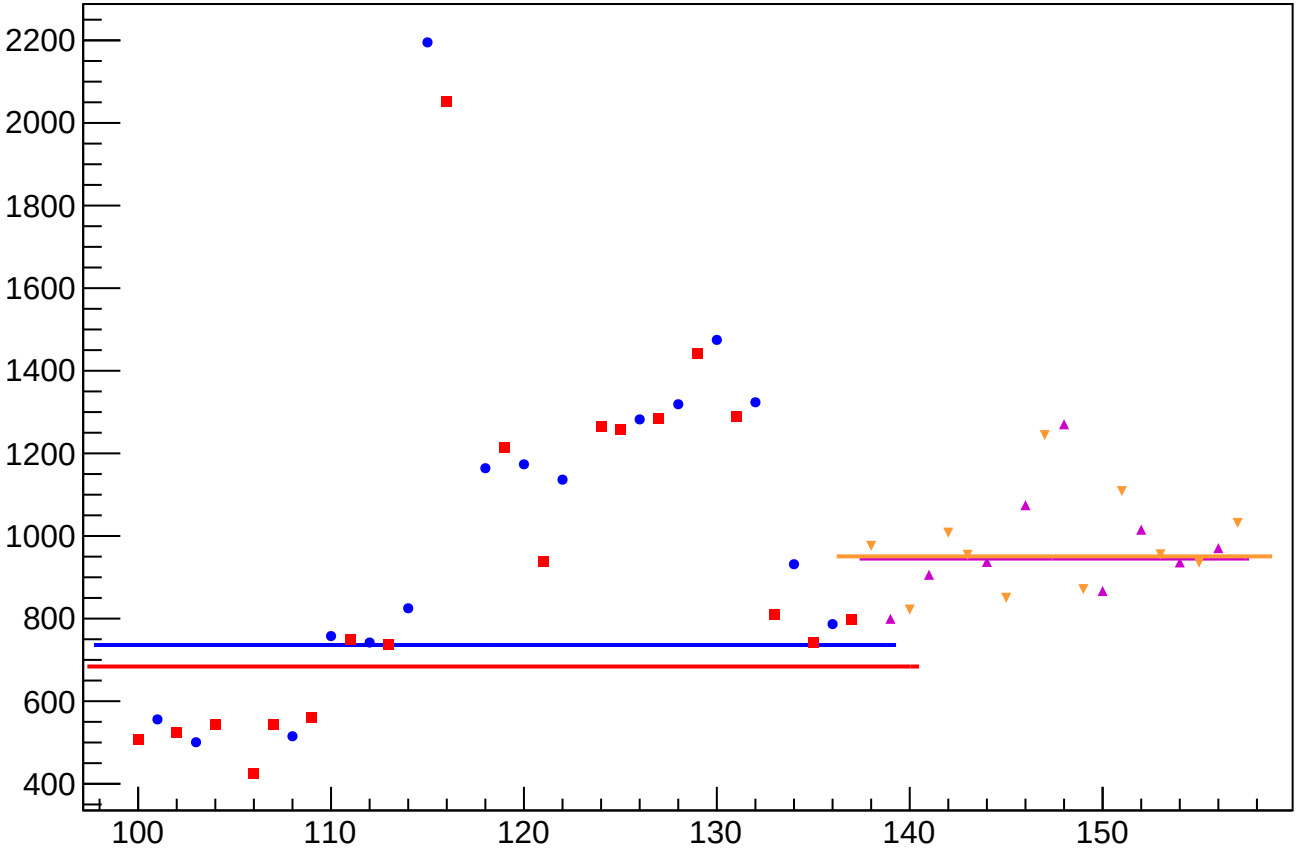
Left In: -462.221+/-342.012 χ^2/NDF:14.9/8

+ sign -135.411+/-218.169 χ^2/NDF: 23.0/26

All: -333.134+/-152.003 χ^2/NDF: 57.6/54

- sign -519.655+/-211.899 χ^2/NDF: 33.0/27

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 950.652+/-0.231 χ^2/NDF:214826.9/10

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

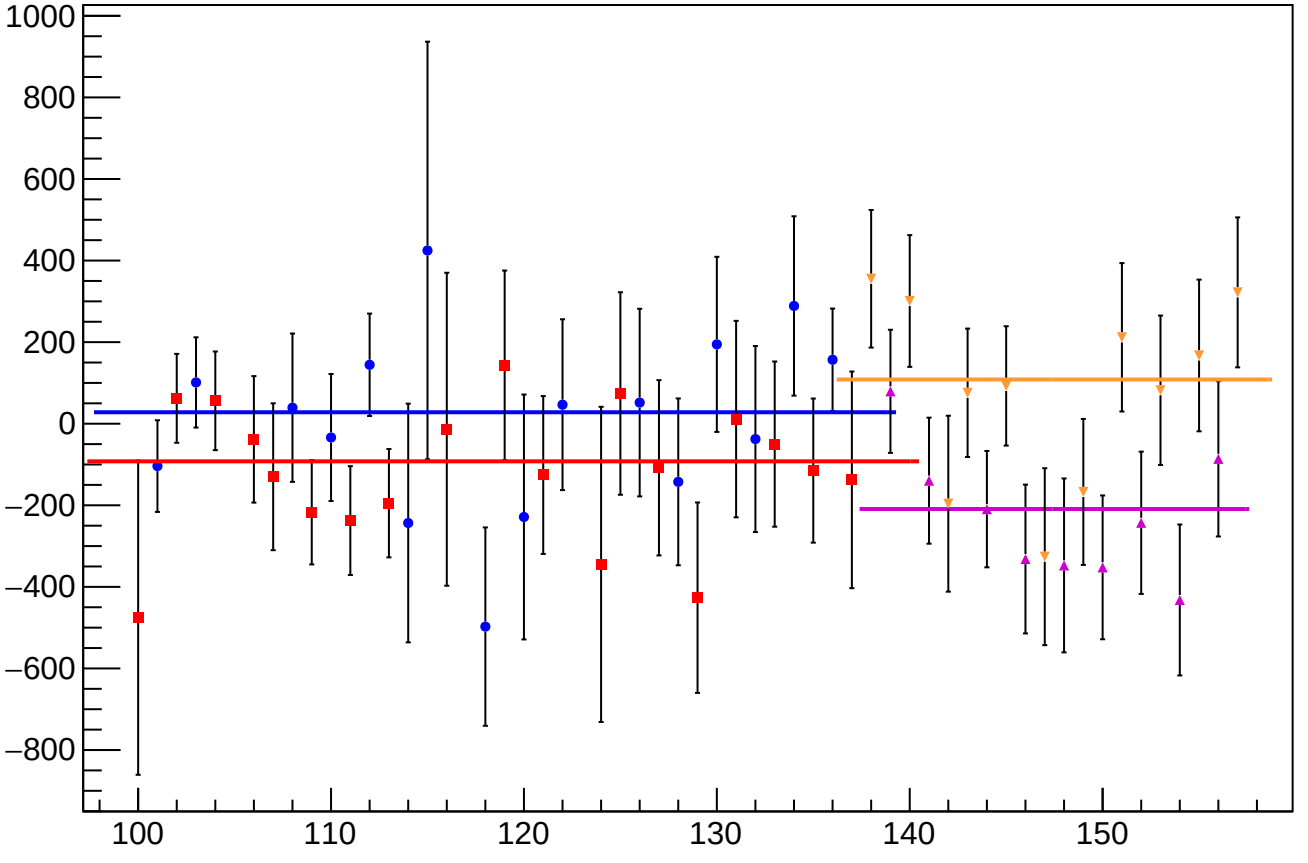
Left In: 945.338+/-0.242 χ^2/NDF:214730.6/8

+ sign 832.071+/-0.154 χ^2/NDF: 2537597.1/26

All: 807.492+/-0.107 χ^2/NDF: 5371670.8/54

- sign 784.305+/-0.150 χ^2/NDF: 2784741.4/27

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 108.382+/-53.216 χ^2/NDF:13.8/10

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

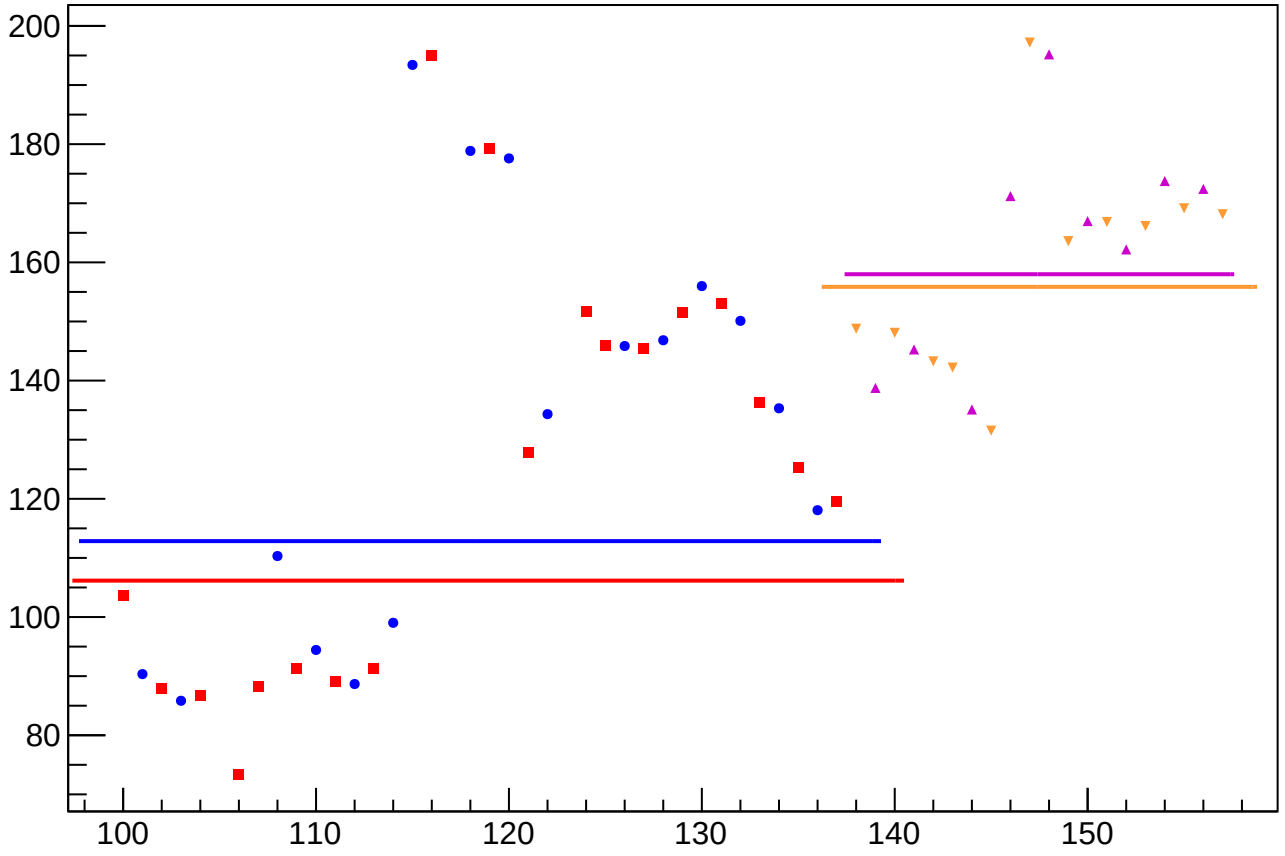
Left In: -209.122+/-56.902 χ^2/NDF:7.3/8

\+ sign 60.199+/-33.651 χ^2/NDF: 28.7/26

All: -37.524+/-23.568 χ^2/NDF: 67.1/54

\- sign -131.596+/-33.017 χ^2/NDF: 21.8/27

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 155.858+/-0.038 χ^2/NDF:194382.3/10

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

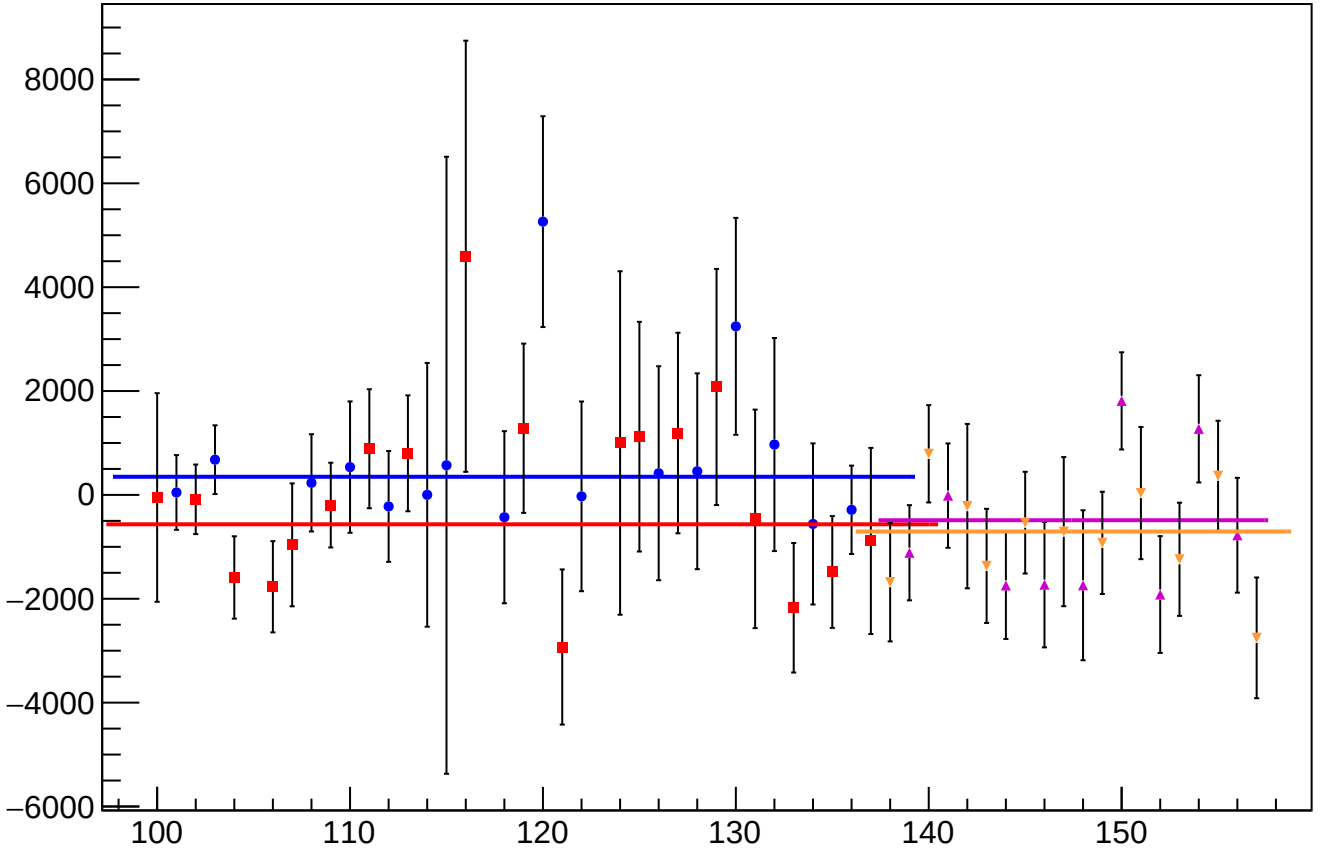
Left In: 157.994+/-0.040 χ^2/NDF:201284.0/8

+ sign 130.043+/-0.024 χ^2/NDF: 1850835.4/26

All: 126.766+/-0.017 χ^2/NDF: 4192417.3/54

- sign 123.610+/-0.023 χ^2/NDF: 2304342.4/27

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.617+/-337.411 χ^2/NDF:8.5/10

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

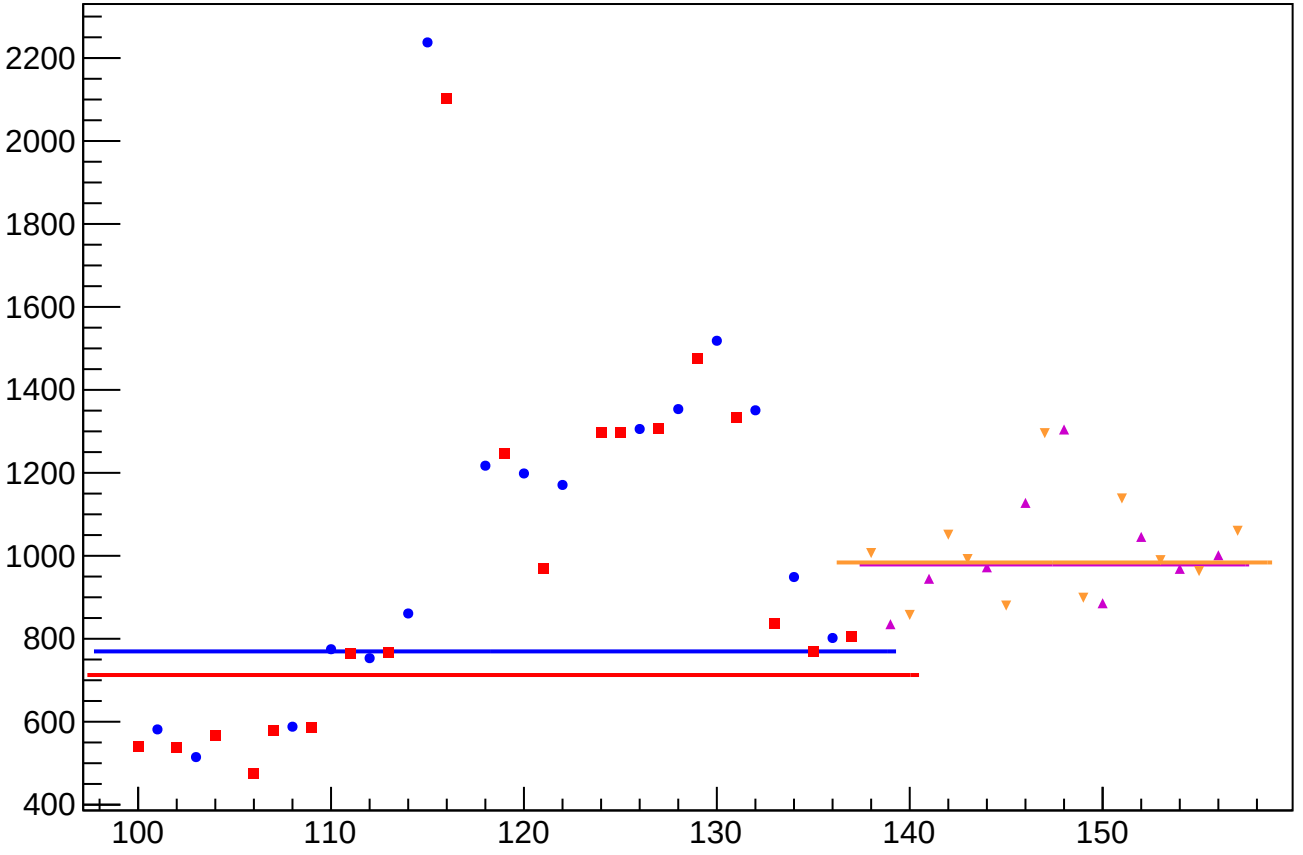
Left In: -487.896+/-354.062 χ^2/NDF:14.6/8

+ sign -125.285+/-226.395 χ^2/NDF: 23.7/26

All: -337.265+/-157.497 χ^2/NDF: 58.3/54

- sign -536.068+/-219.245 χ^2/NDF: 32.9/27

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 983.937+/-0.239 χ^2/NDF:211442.4/10

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

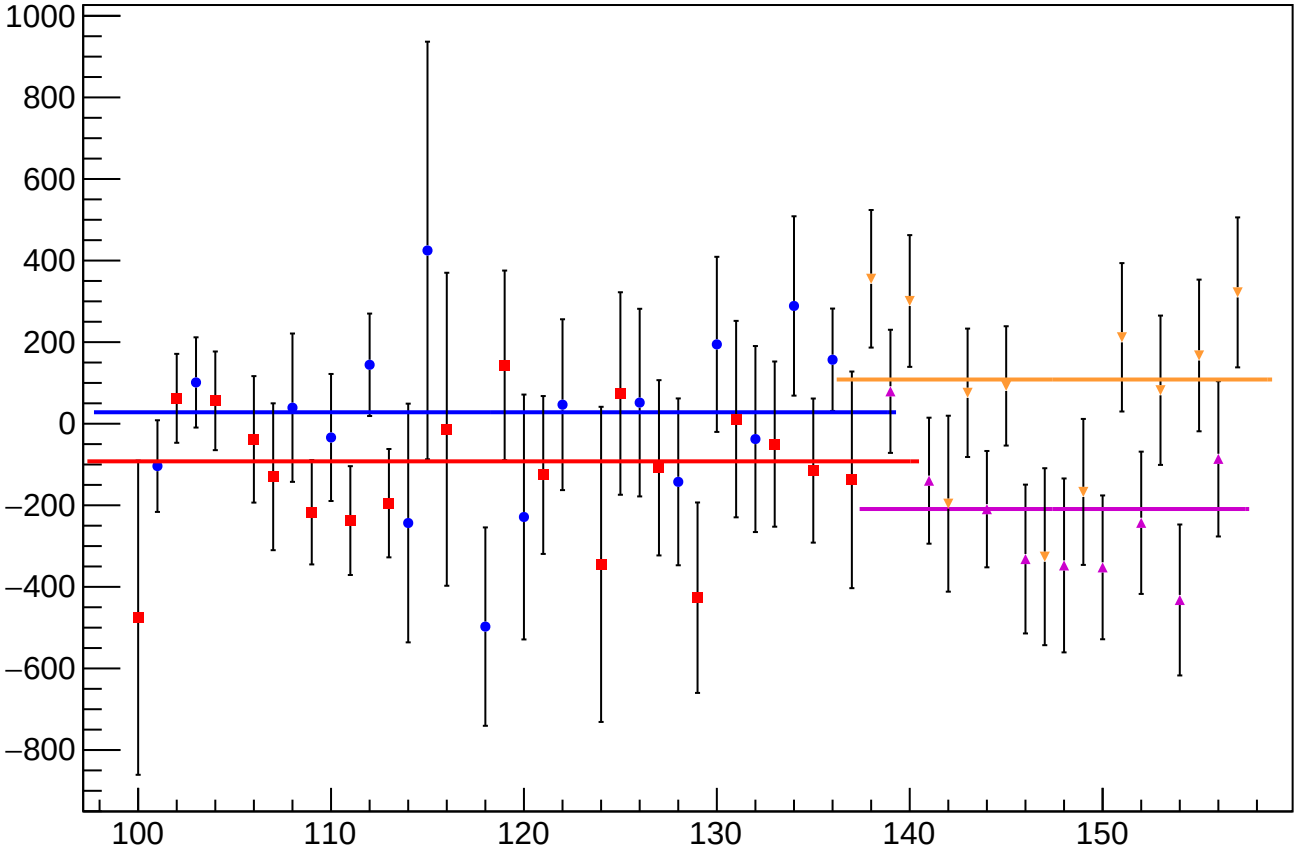
Left In: 979.150+/-0.250 χ^2/NDF:211556.7/8

+ sign 866.073+/-0.160 χ^2/NDF: 2395271.8/26

All: 839.627+/-0.111 χ^2/NDF: 5125669.3/54

- sign 814.825+/-0.155 χ^2/NDF: 2677512.2/27

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 108.382+/-53.216 χ^2/NDF:13.8/10

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

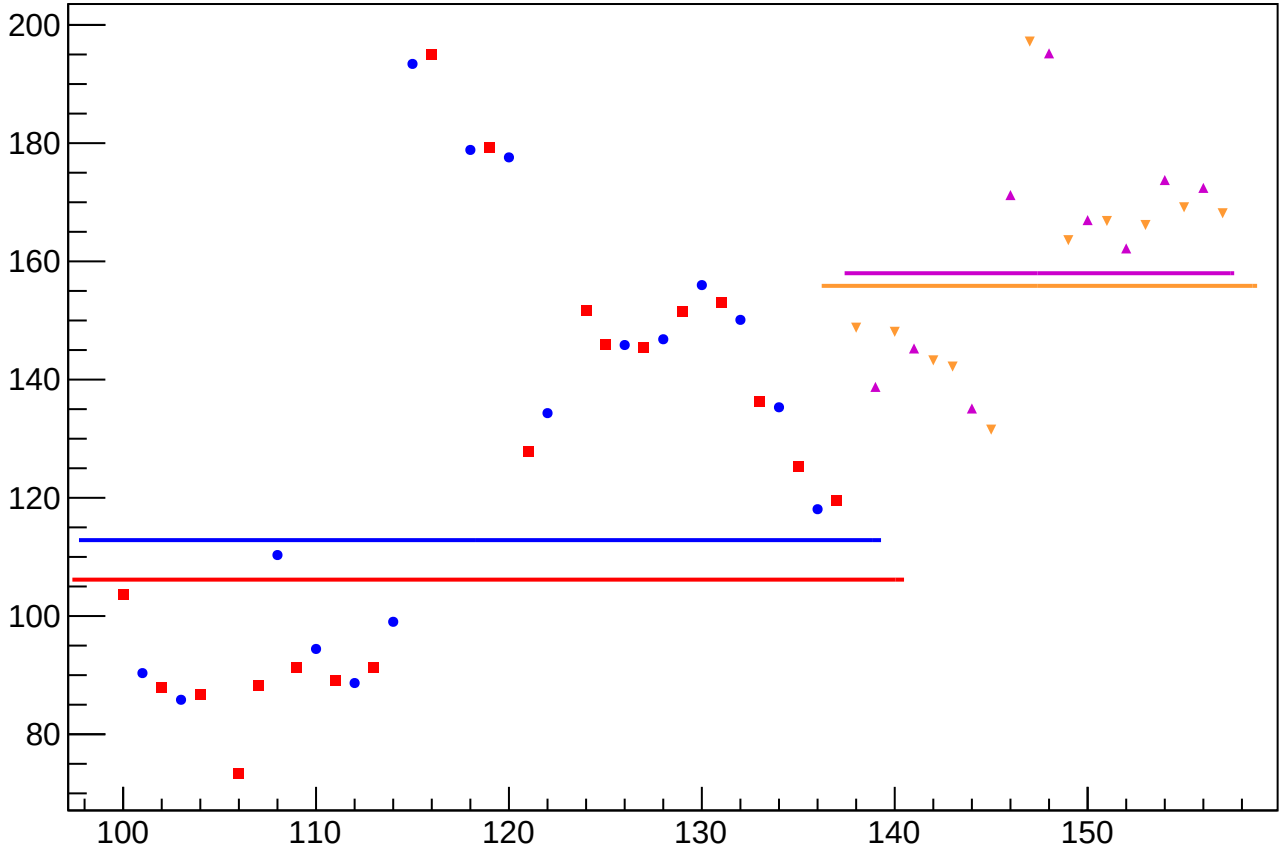
Left In: -209.123+/-56.903 χ^2/NDF:7.3/8

+ sign 60.198+/-33.651 χ^2/NDF: 28.7/26

All: -37.524+/-23.567 χ^2/NDF: 67.1/54

- sign -131.596+/-33.017 χ^2/NDF: 21.8/27

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 155.858+/-0.038 χ^2/NDF:194384.7/10

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

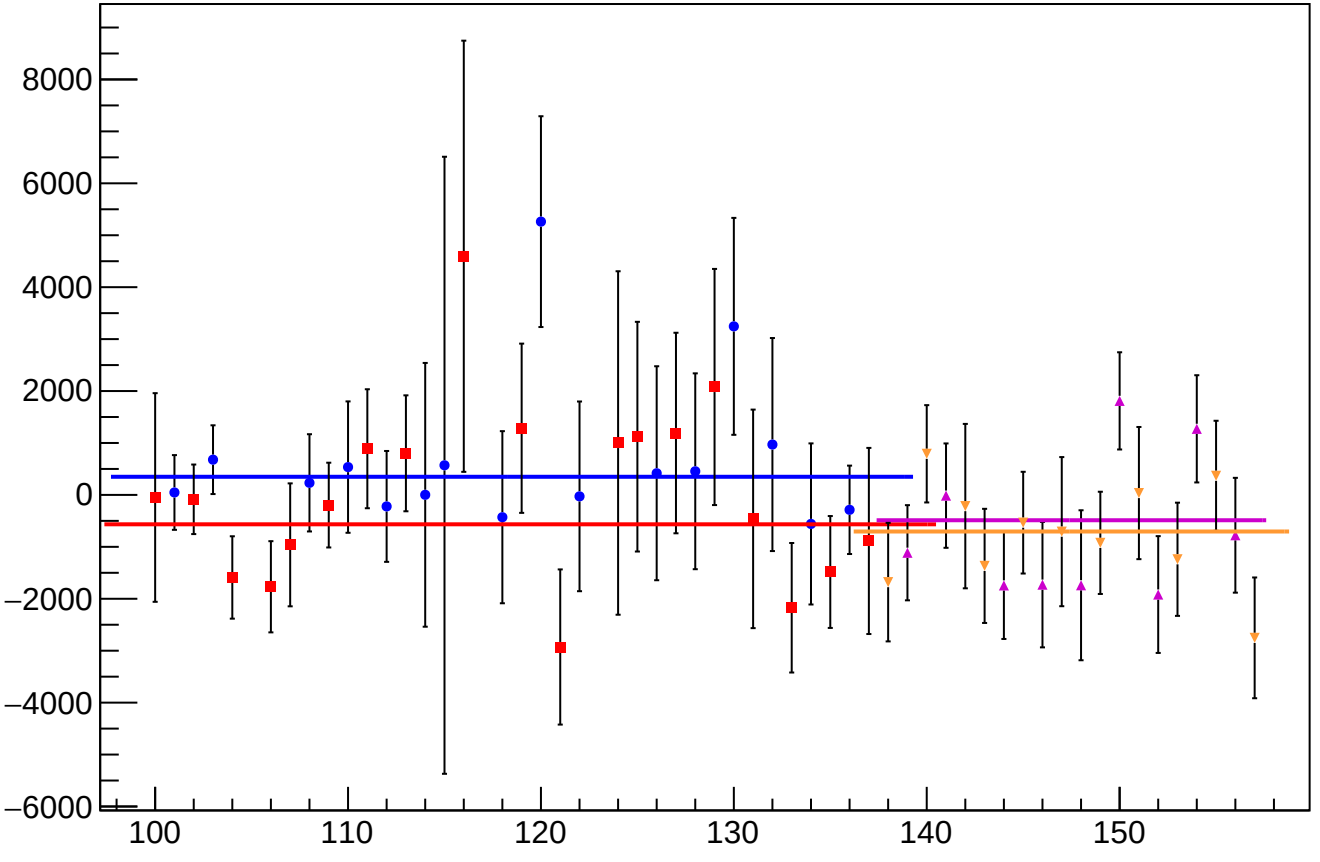
Left In: 157.995+/-0.040 χ^2/NDF:201282.7/8

+ sign 130.043+/-0.024 χ^2/NDF: 1850853.6/26

All: 126.765+/-0.017 χ^2/NDF: 4192448.1/54

- sign 123.610+/-0.023 χ^2/NDF: 2304355.6/27

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -704.618+/-337.412 χ^2/NDF:8.5/10

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

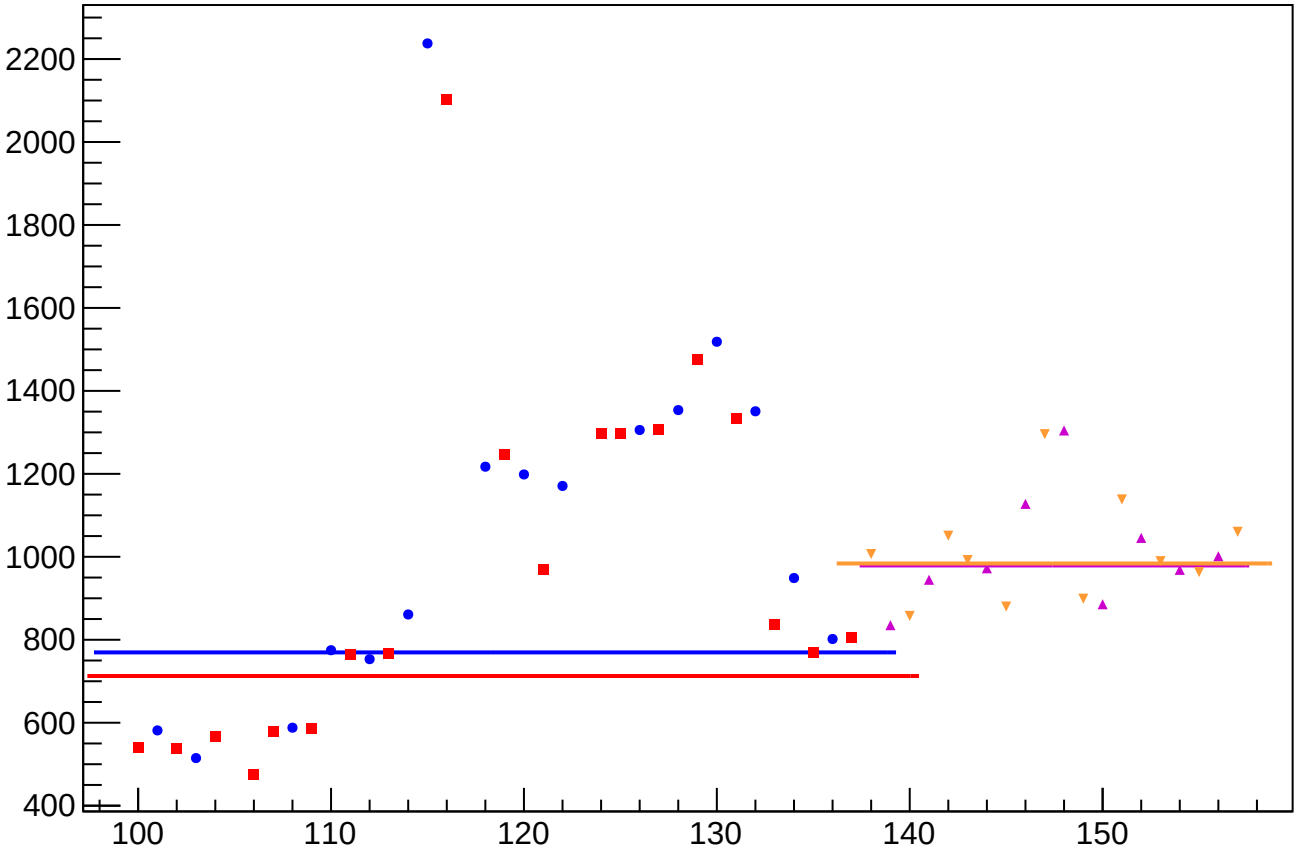
Left In: -487.899+/-354.063 χ^2/NDF:14.6/8

+ sign -125.283+/-226.395 χ^2/NDF: 23.7/26

All: -337.264+/-157.497 χ^2/NDF: 58.3/54

- sign -536.069+/-219.245 χ^2/NDF: 32.9/27

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 983.940+/-0.239 χ^2/NDF:211442.4/10

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

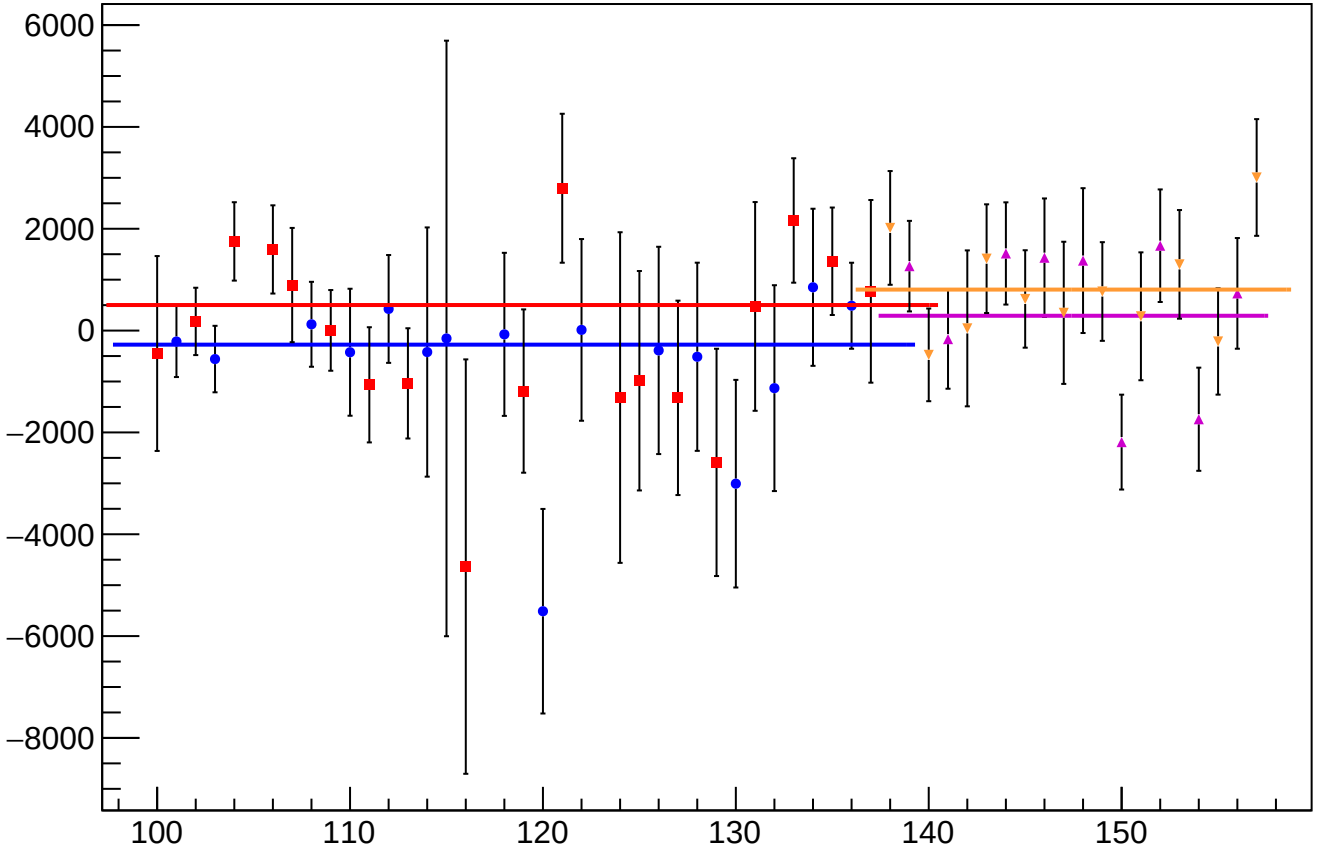
Left In: 979.152+/-0.250 χ^2/NDF:211556.4/8

+ sign 866.073+/-0.160 χ^2/NDF: 2395282.3/26

All: 839.627+/-0.111 χ^2/NDF: 5125690.0/54

- sign 814.824+/-0.155 χ^2/NDF: 2677522.0/27

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 805.273+/-330.152 χ^2/NDF:8.9/10

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

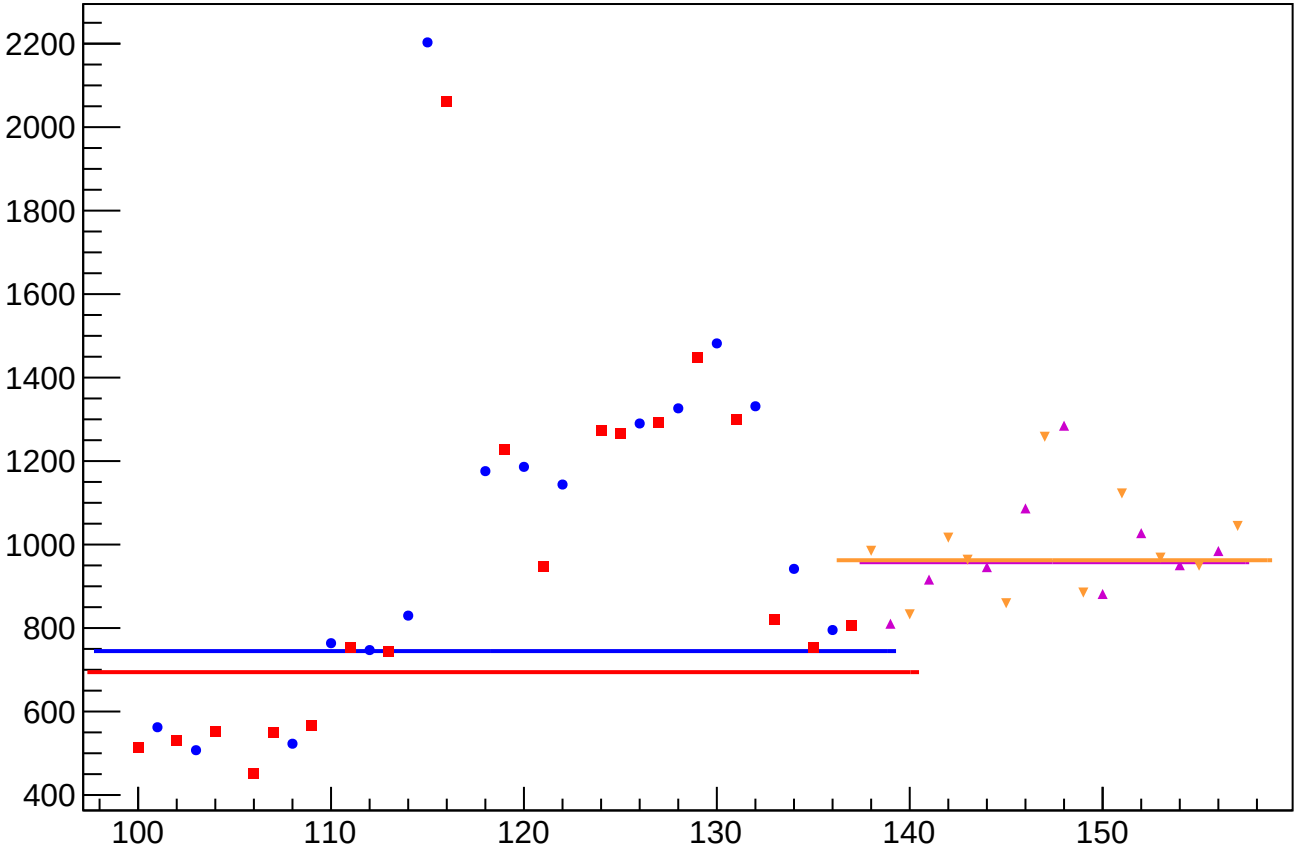
Left In: 291.165+/-346.398 χ^2/NDF:17.3/8

+ sign 207.004+/-220.684 χ^2/NDF: 25.9/26

All: 317.197+/-153.781 χ^2/NDF: 64.4/54

- sign 421.214+/-214.410 χ^2/NDF: 38.0/27

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 962.439+/-0.233 χ^2/NDF:212783.2/10

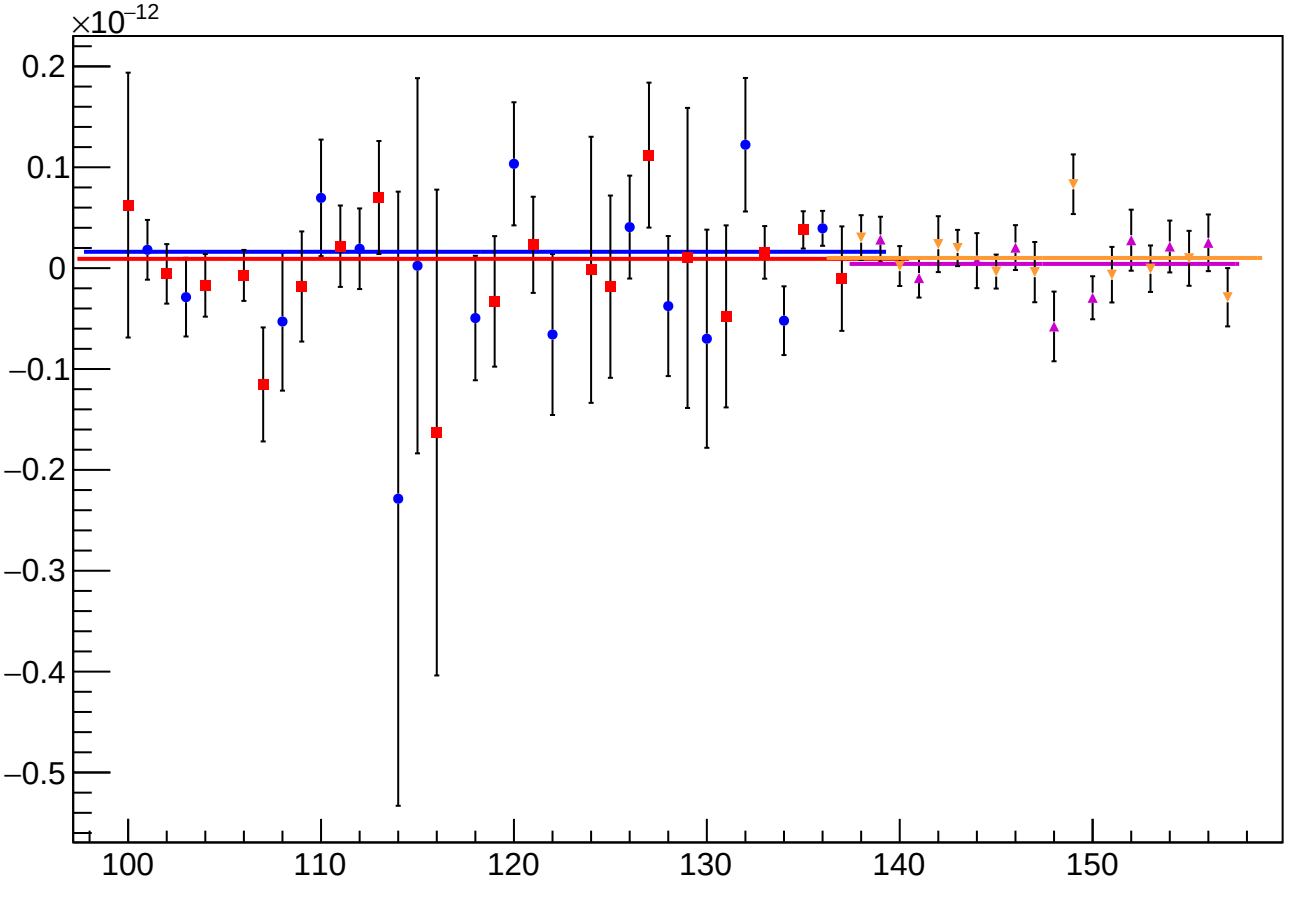
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 957.734+/-0.245 χ^2/NDF:211727.9/8

+ sign 842.032+/-0.156 χ^2/NDF: 2516208.0/26

All: 817.971+/-0.109 χ^2/NDF: 5291176.0/54

- sign 795.258+/-0.152 χ^2/NDF: 2728750.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

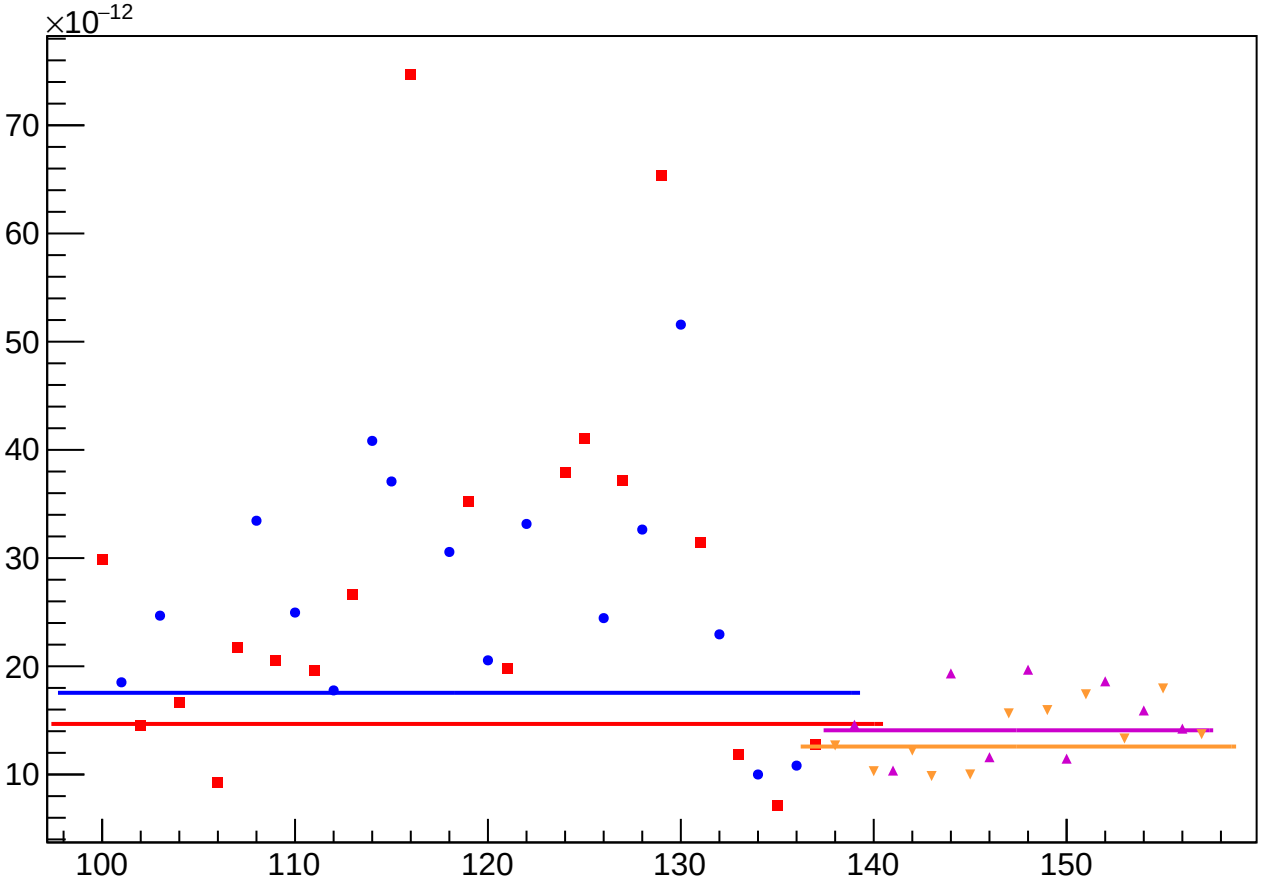
Left In: 0.000+/-0.000 χ^2/NDF:9.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/26

All: 0.000+/-0.000 χ^2/NDF: 53.3/54

- sign 0.000+/-0.000 χ^2/NDF: 23.8/27

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:311245.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

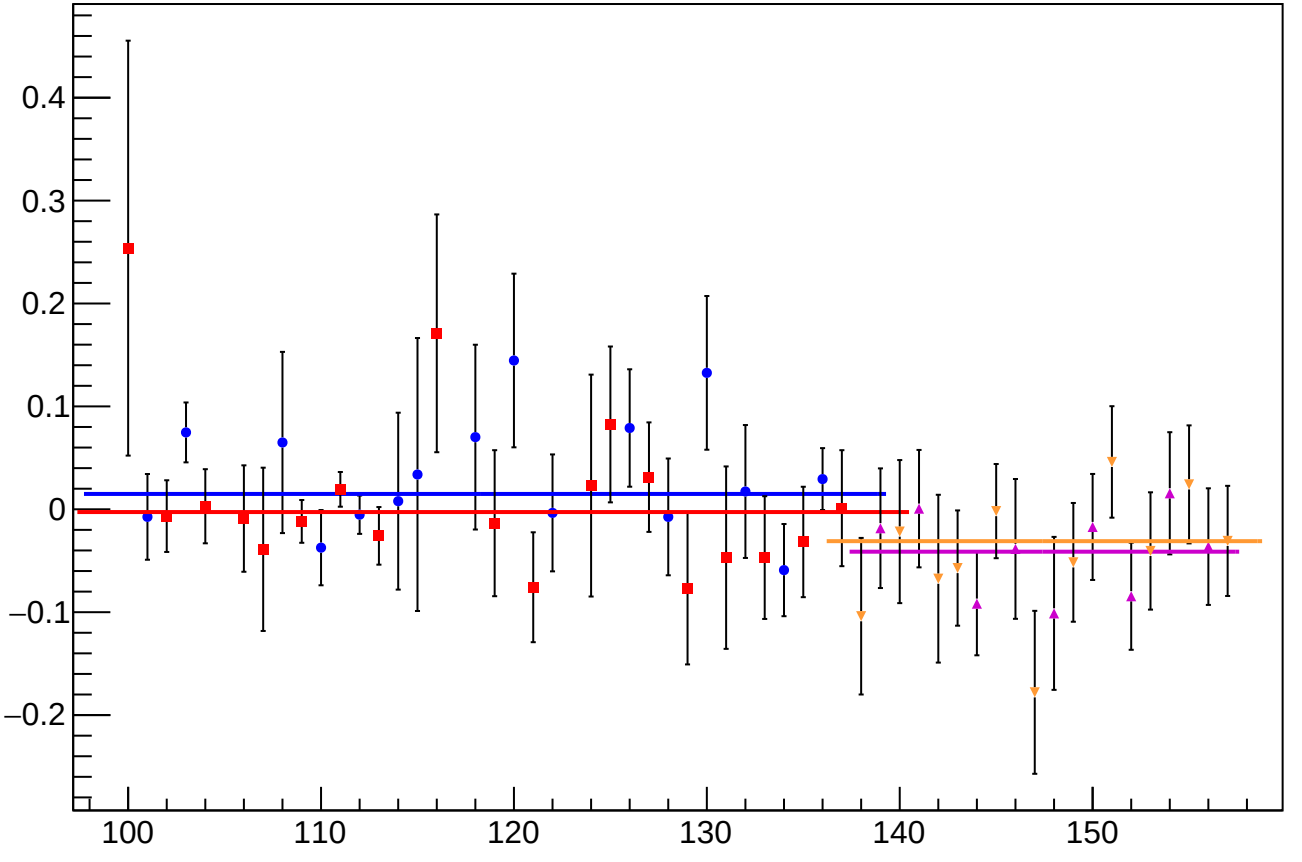
Left In: 0.000+/-0.000 χ^2/NDF:311749.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 1770711.9/26

All: 0.000+/-0.000 χ^2/NDF: 3830543.8/54

- sign 0.000+/-0.000 χ^2/NDF: 2057809.3/27

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.018 χ^2/NDF:8.3/10

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

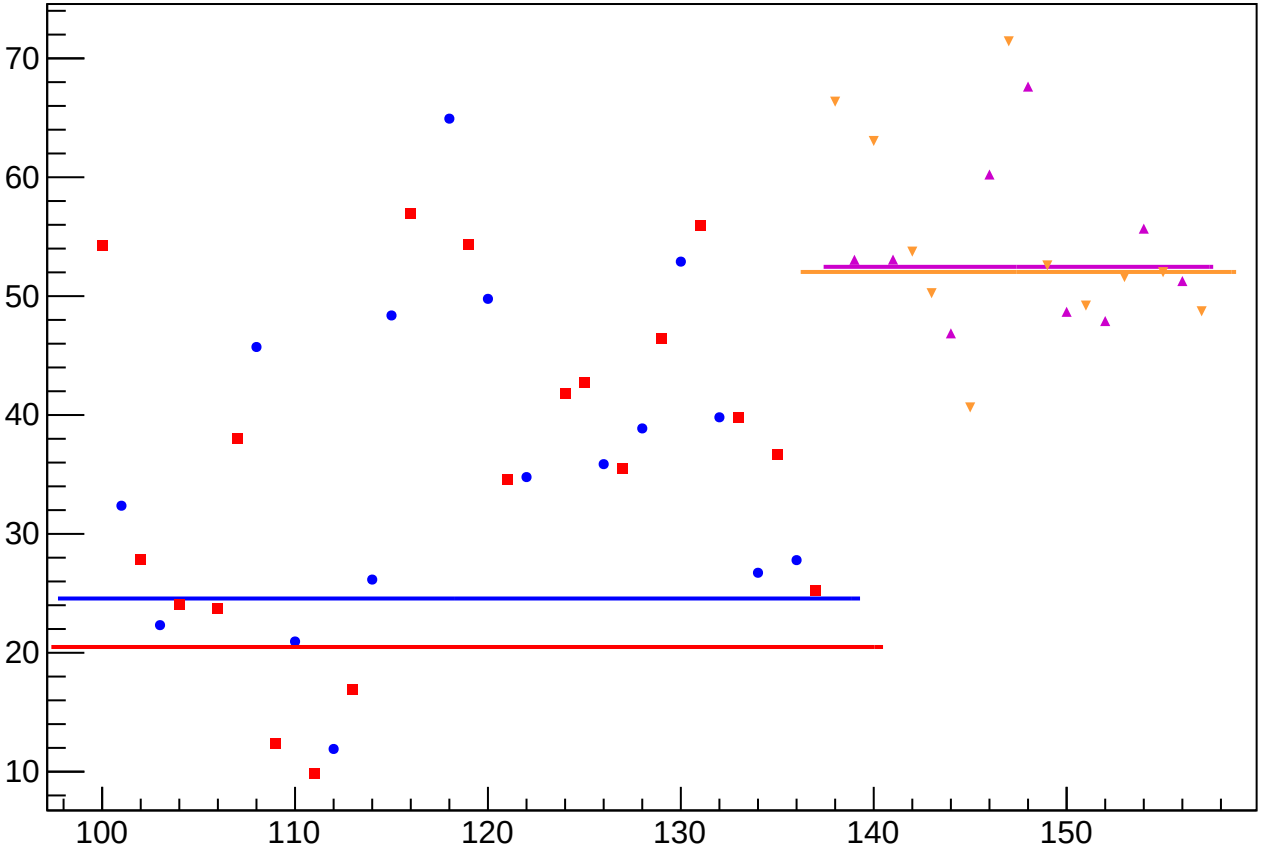
Left In: -0.041+/-0.019 χ^2/NDF:4.2/8

+ sign 0.003+/-0.009 χ^2/NDF: 30.9/26

All: -0.004+/-0.006 χ^2/NDF: 52.0/54

- sign -0.010+/-0.008 χ^2/NDF: 19.9/27

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

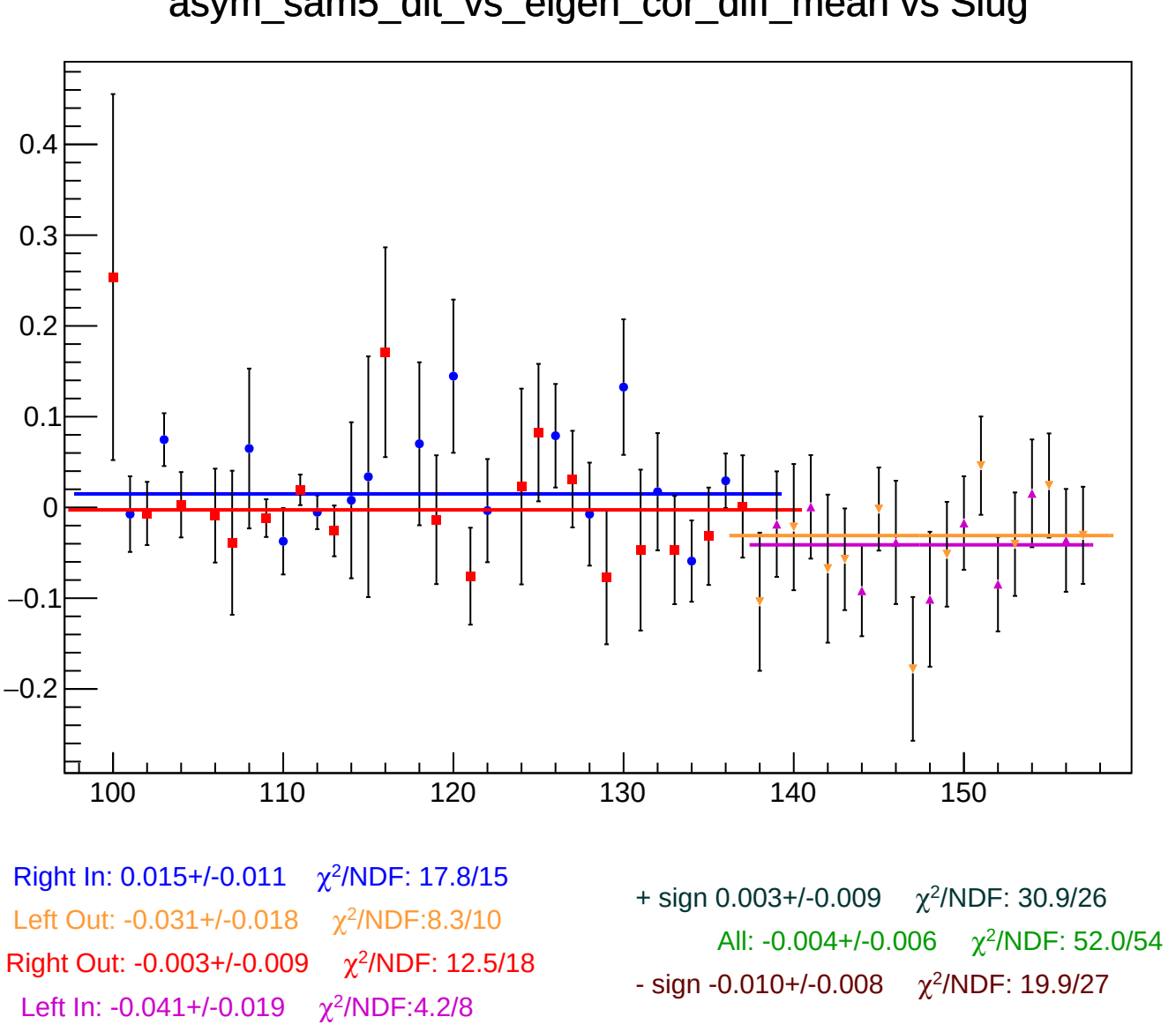
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.465+/-0.014 χ^2/NDF:167503.4/8

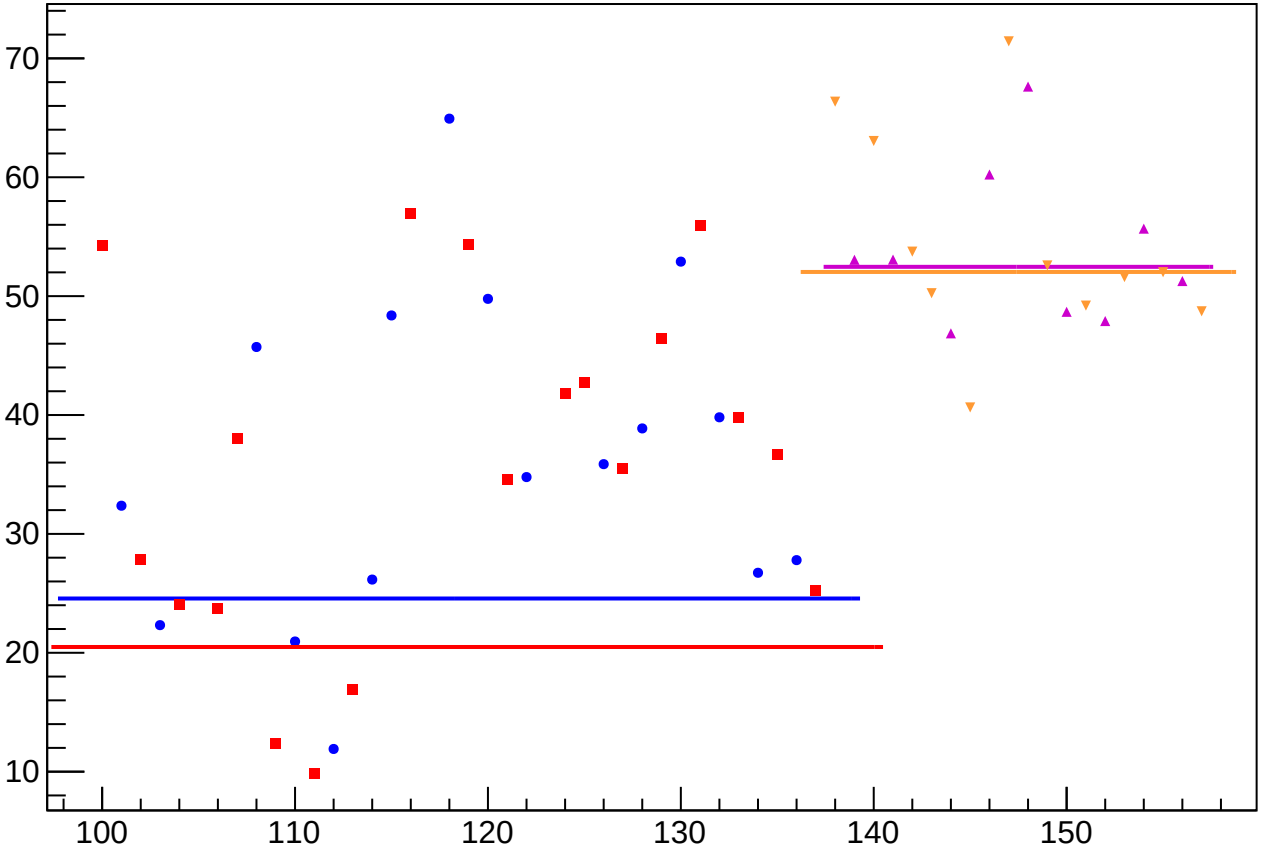
+ sign 31.628+/-0.006 χ^2/NDF: 6327162.4/26

All: 28.843+/-0.004 χ^2/NDF: 14961736.8/54

- sign 26.533+/-0.006 χ^2/NDF: 8293684.5/27


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.018 χ²/NDF:8.3/10
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.041+/-0.019 χ²/NDF:4.2/8
+ sign 0.003+/-0.009 χ²/NDF: 30.9/26
All: -0.004+/-0.006 χ²/NDF: 52.0/54
- sign -0.010+/-0.008 χ²/NDF: 19.9/27

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381445.2/10

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

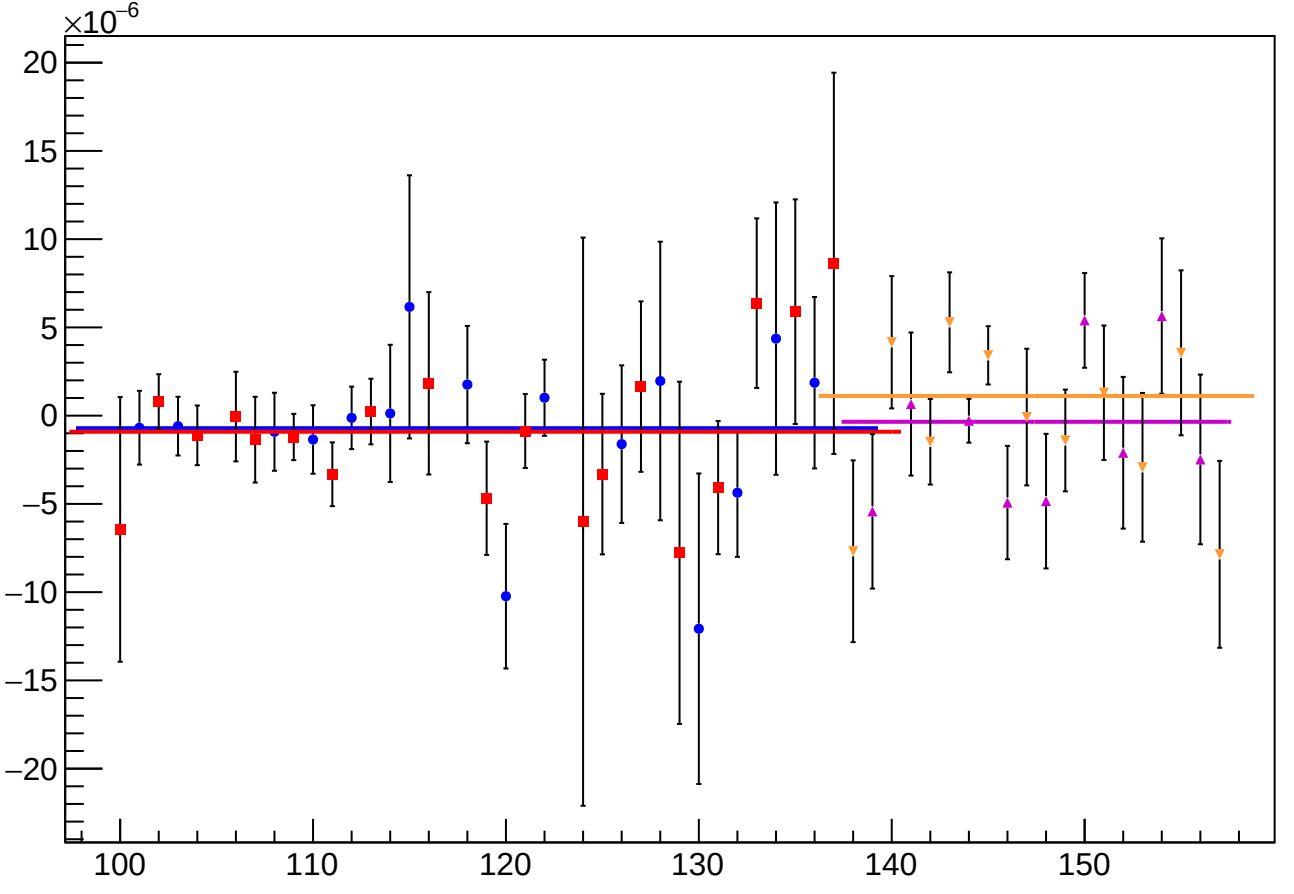
Left In: 52.465+/-0.014 χ^2/NDF:167503.4/8

+ sign 31.628+/-0.006 χ^2/NDF: 6327162.4/26

All: 28.843+/-0.004 χ^2/NDF: 14961736.8/54

- sign 26.533+/-0.006 χ^2/NDF: 8293684.5/27

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/10

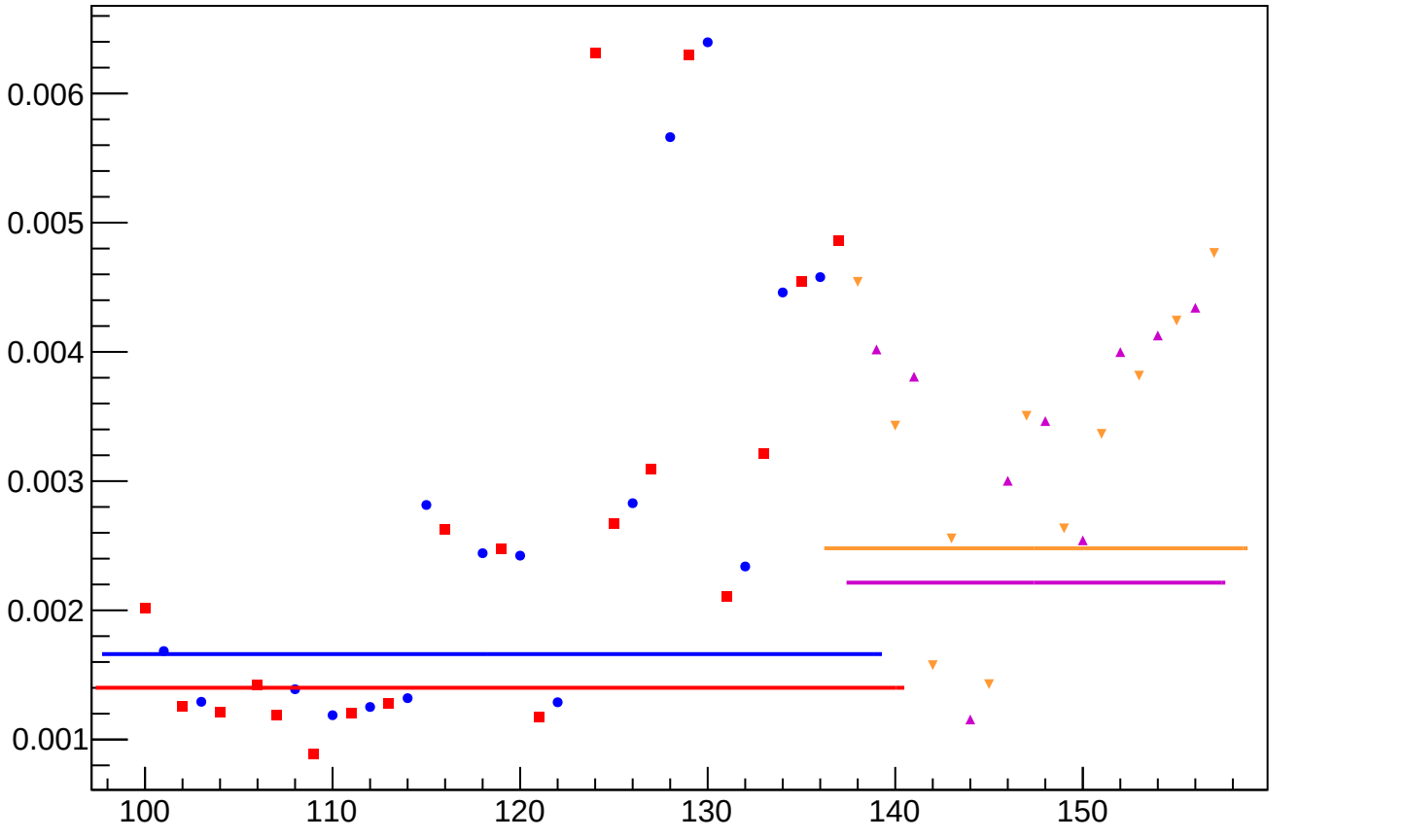
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 27.5/26

All: -0.000+/-0.000 χ^2/NDF: 52.1/54

- sign -0.000+/-0.000 χ^2/NDF: 23.8/27



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2653704.7/10

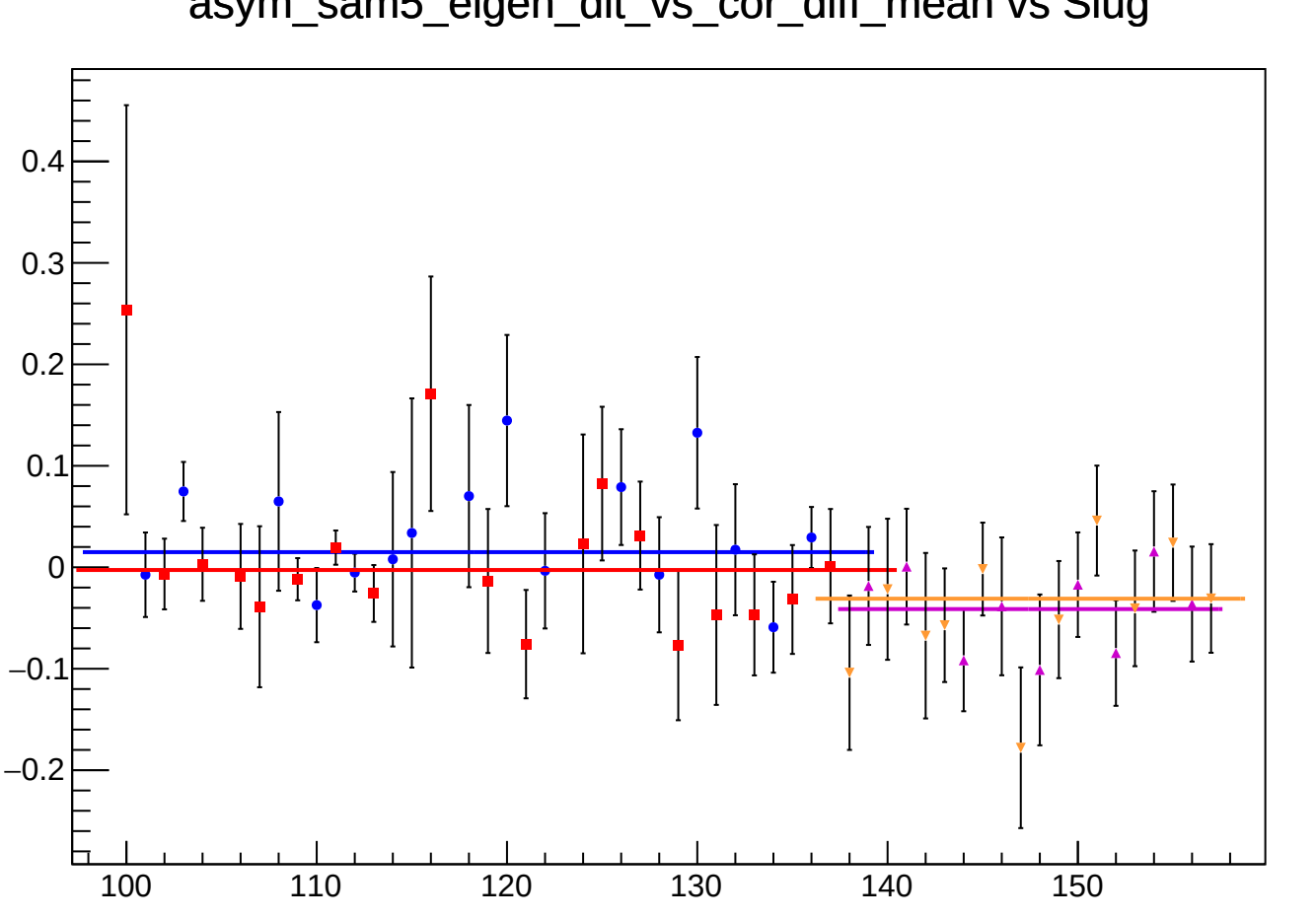
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:3583106.8/8

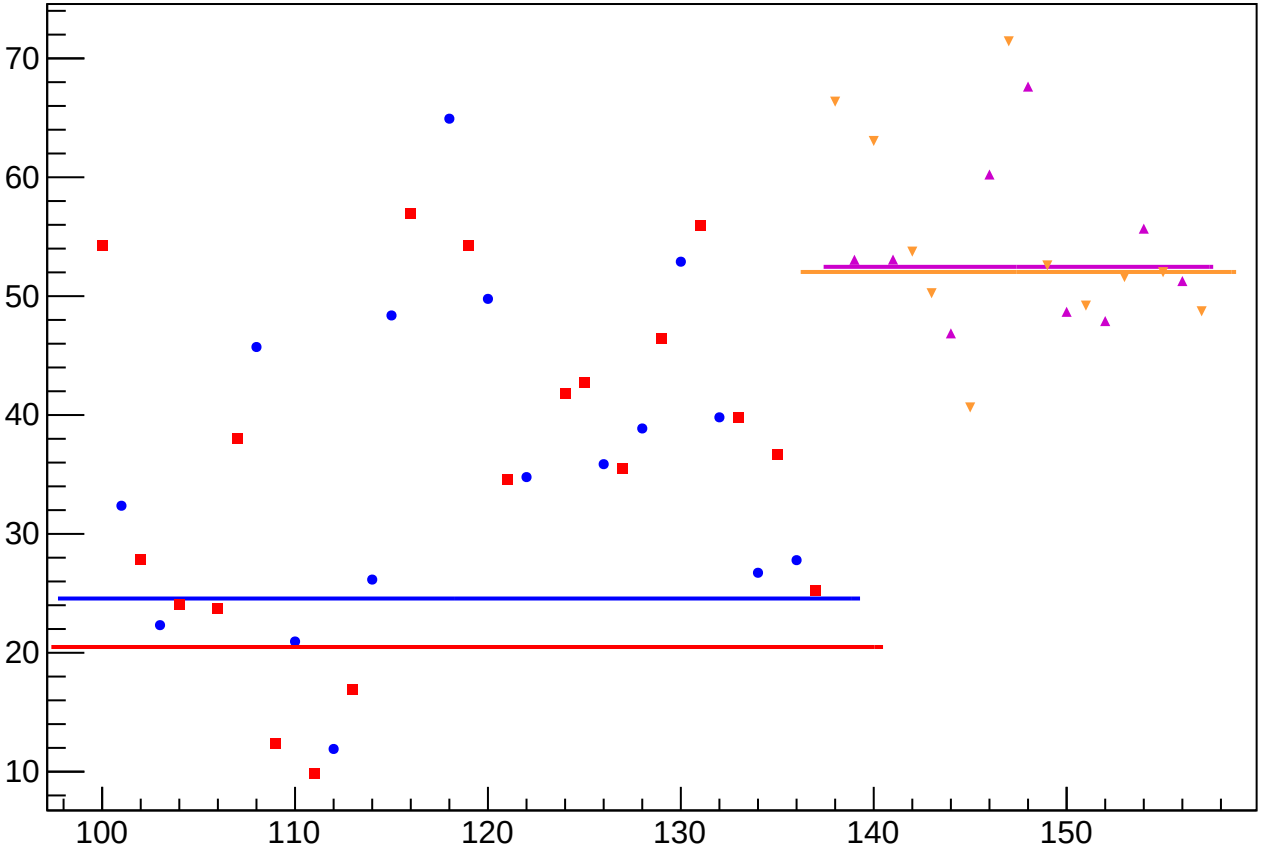
+ sign 0.002+/-0.000 χ^2/NDF: 6590477.4/26

All: 0.002+/-0.000 χ^2/NDF: 14585632.3/54

- sign 0.002+/-0.000 χ^2/NDF: 7631701.6/27


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.018 χ²/NDF:8.3/10
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.041+/-0.019 χ²/NDF:4.2/8
+ sign 0.003+/-0.009 χ²/NDF: 30.9/26
All: -0.004+/-0.006 χ²/NDF: 52.0/54
- sign -0.010+/-0.008 χ²/NDF: 19.9/27

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

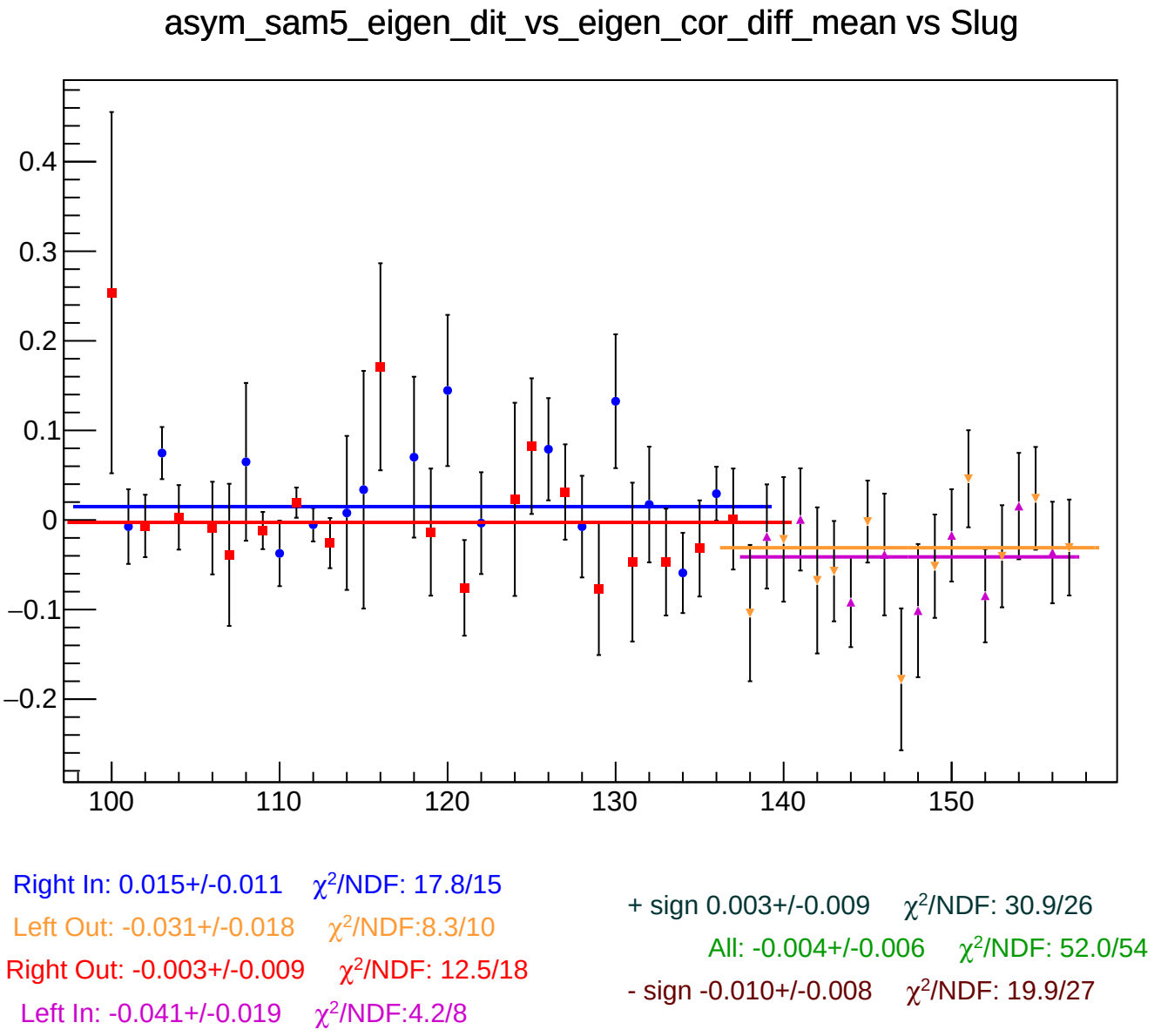
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

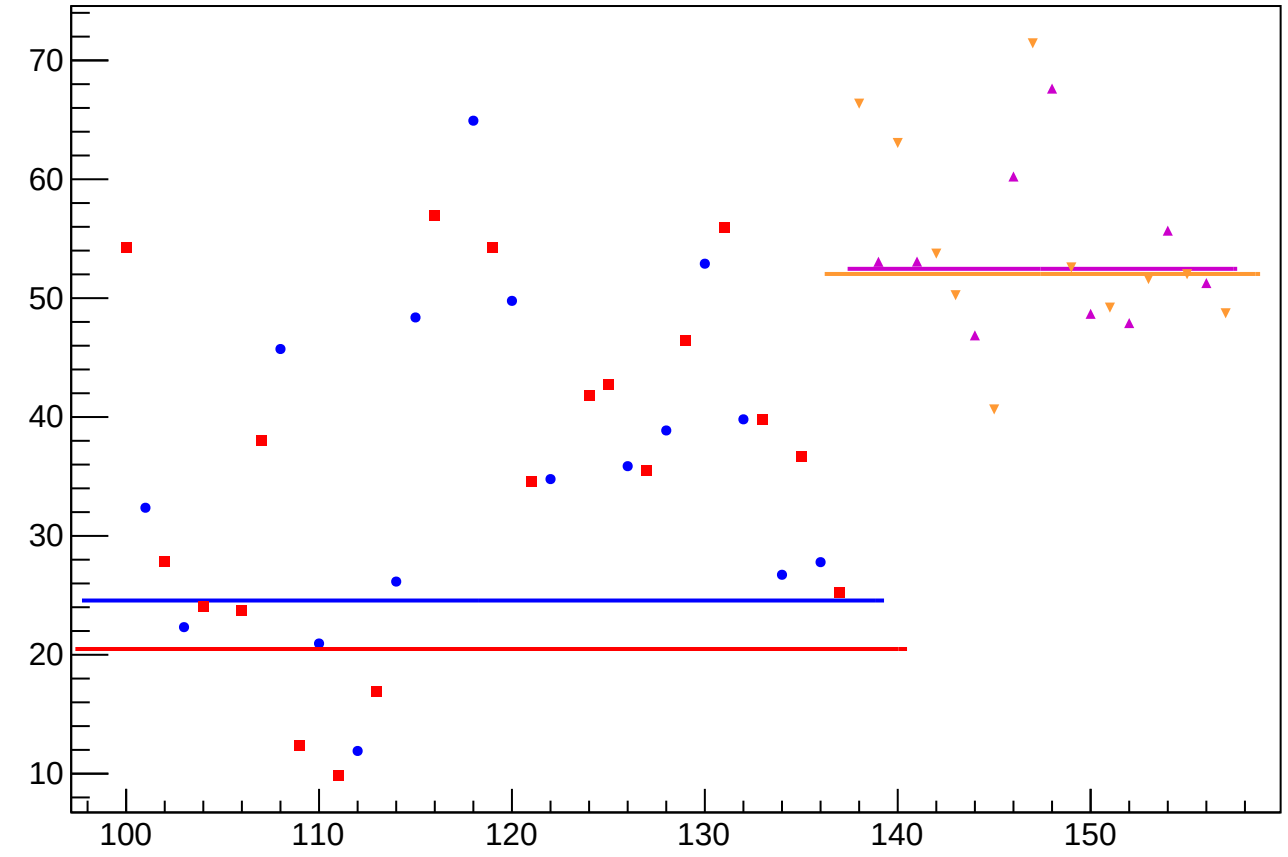
Left In: 52.466+/-0.014 χ^2/NDF:167534.8/8

+ sign 31.628+/-0.006 χ^2/NDF: 6327370.0/26

All: 28.842+/-0.004 χ^2/NDF: 14962262.0/54

- sign 26.533+/-0.006 χ^2/NDF: 8293982.3/27


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.031+/-0.018 χ²/NDF:8.3/10
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.041+/-0.019 χ²/NDF:4.2/8
+ sign 0.003+/-0.009 χ²/NDF: 30.9/26
All: -0.004+/-0.006 χ²/NDF: 52.0/54
- sign -0.010+/-0.008 χ²/NDF: 19.9/27



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.034+/-0.013 χ^2/NDF:381500.4/10

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

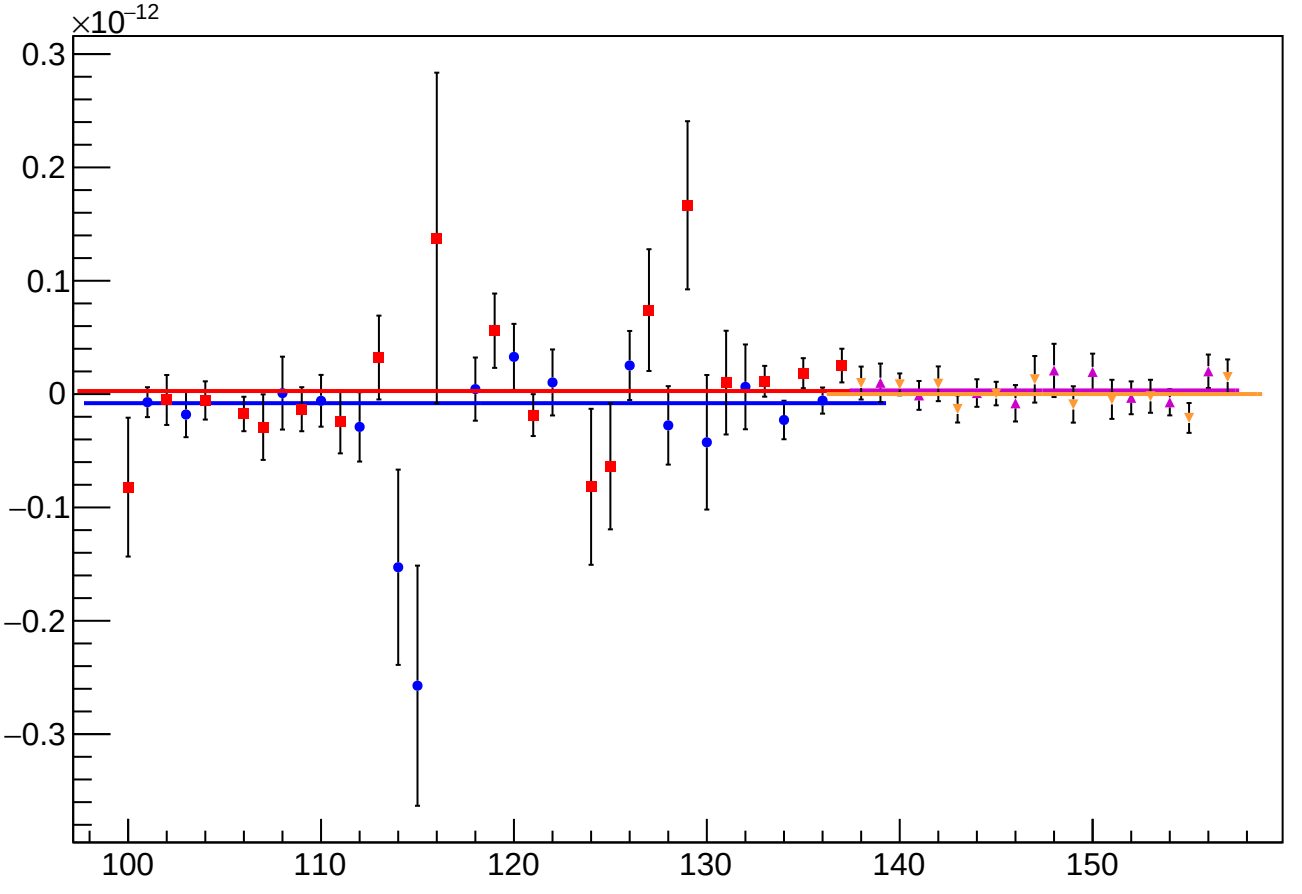
Left In: 52.466+/-0.014 χ^2/NDF:167534.8/8

+ sign 31.628+/-0.006 χ^2/NDF: 6327370.0/26

All: 28.842+/-0.004 χ^2/NDF: 14962262.0/54

- sign 26.533+/-0.006 χ^2/NDF: 8293982.3/27

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

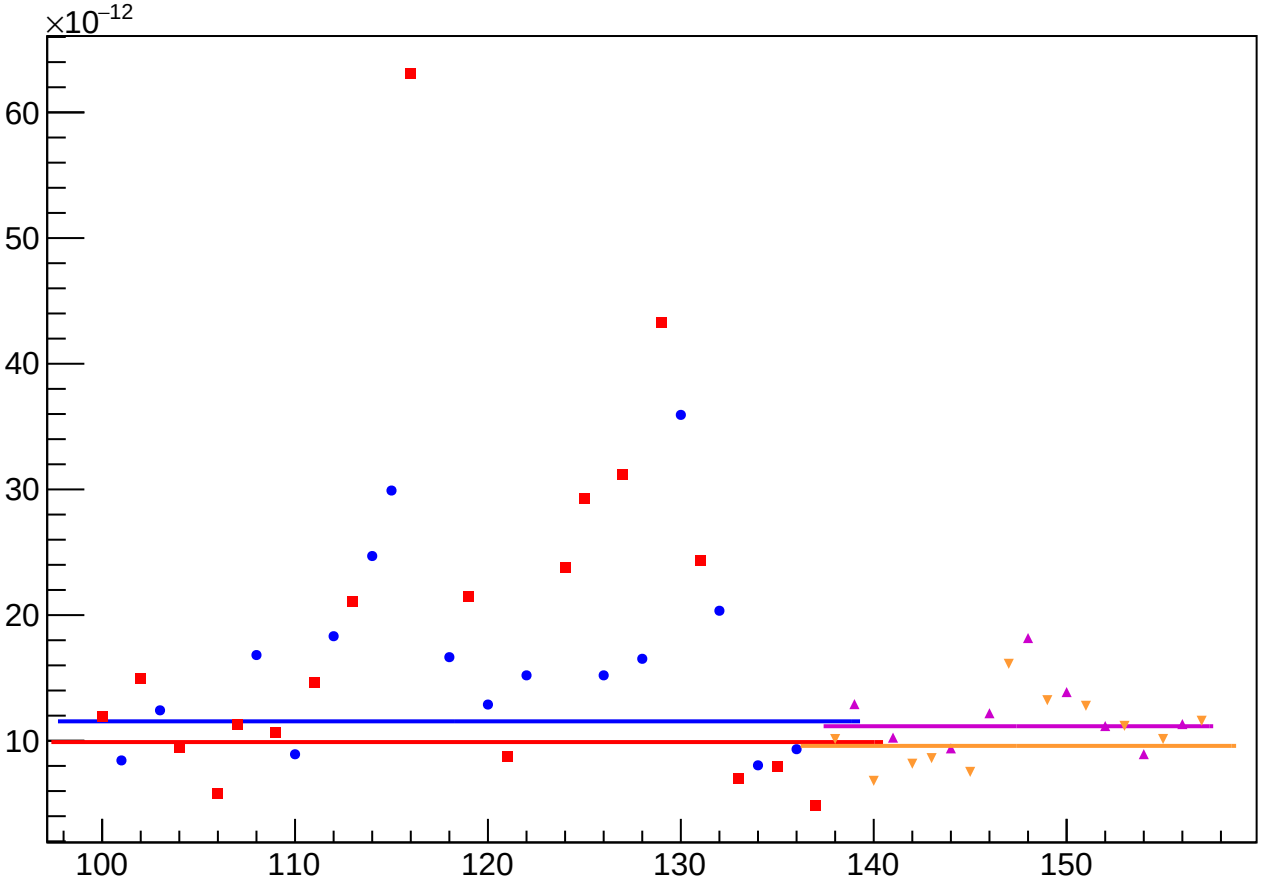
Left In: 0.000+/-0.000 χ^2/NDF:4.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 22.9/26

All: 0.000+/-0.000 χ^2/NDF: 55.1/54

- sign 0.000+/-0.000 χ^2/NDF: 30.8/27

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:712104.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

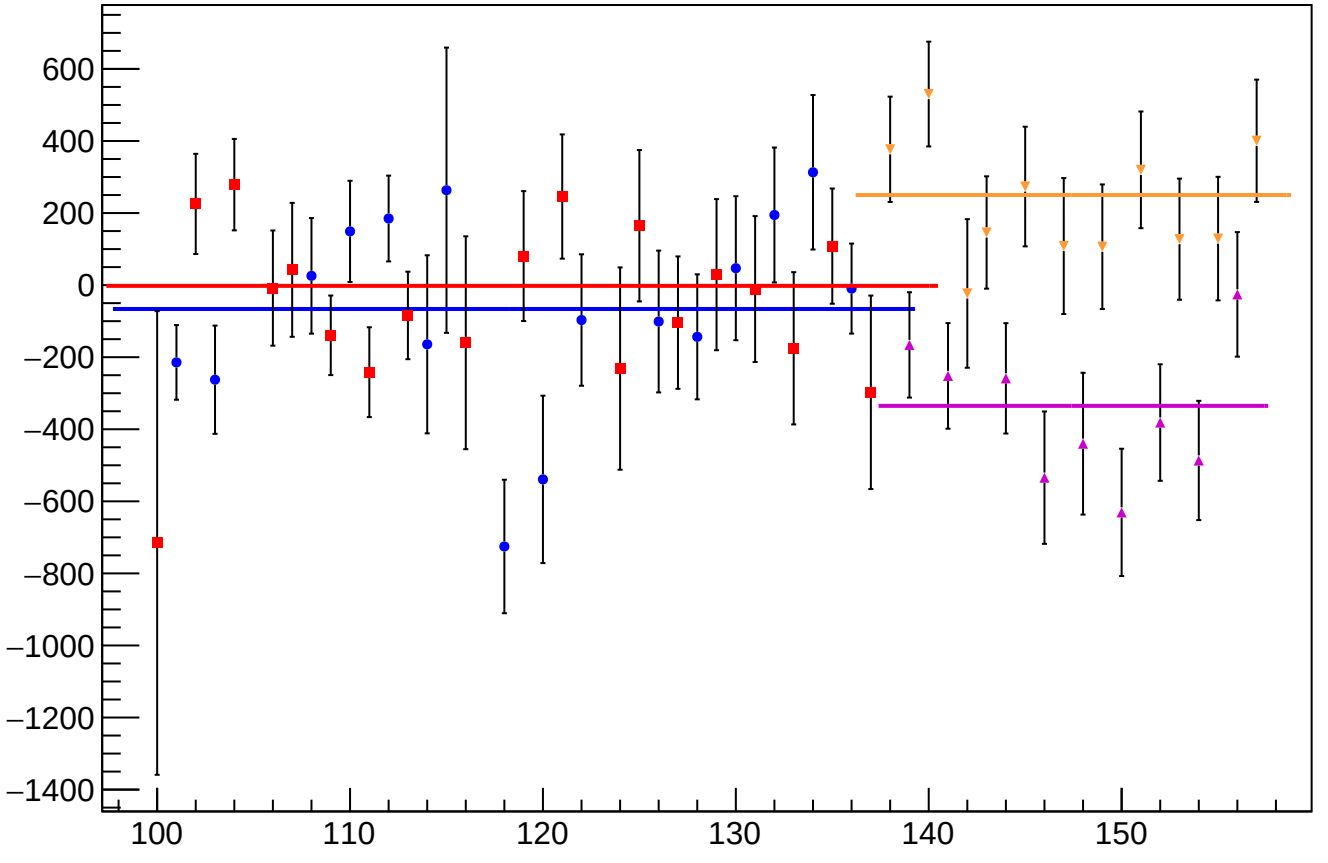
Left In: 0.000+/-0.000 χ^2/NDF:391603.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 2044720.3/26

All: 0.000+/-0.000 χ^2/NDF: 5144463.7/54

- sign 0.000+/-0.000 χ^2/NDF: 3090514.8/27

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.096+/-50.068 χ^2/NDF:9.9/10

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

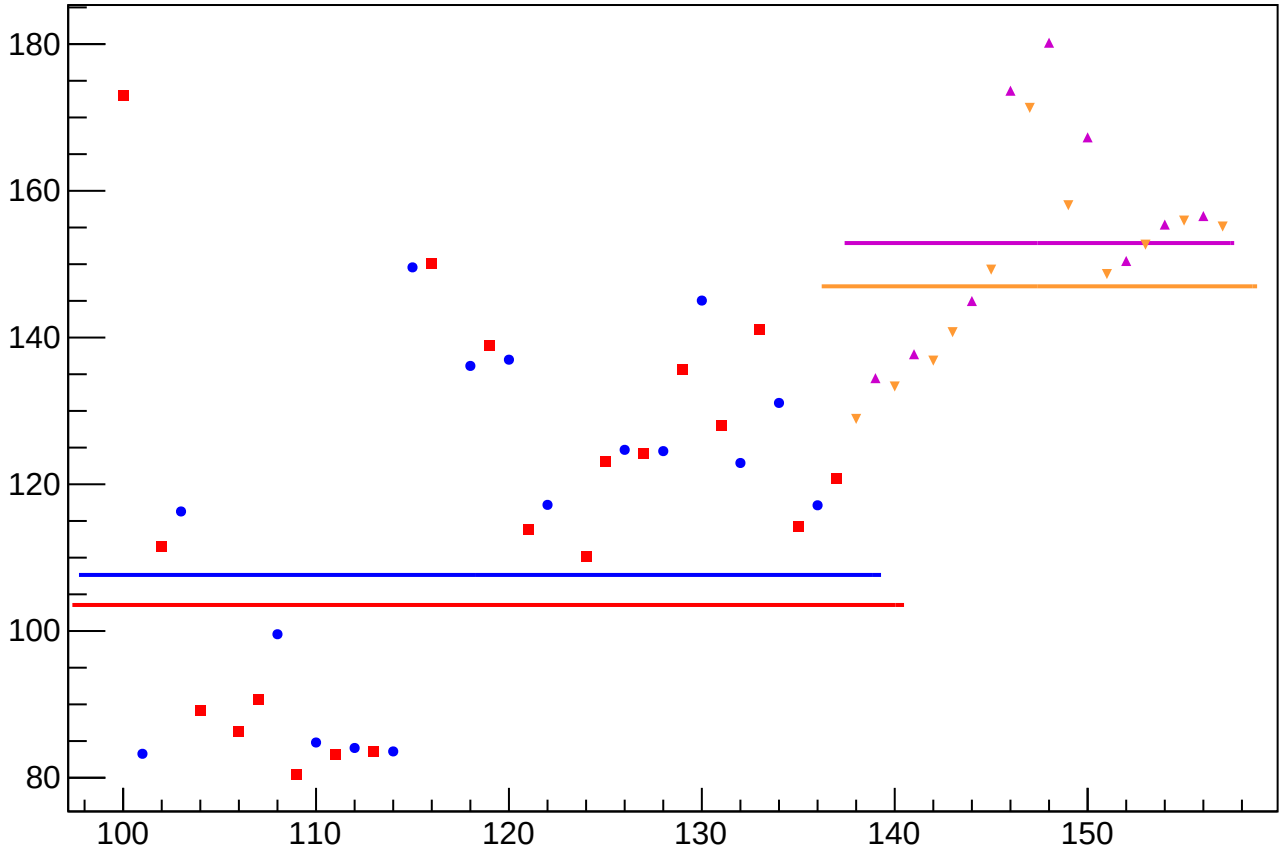
Left In: -335.057+/-54.901 χ^2/NDF:10.3/8

+ sign 60.511+/-31.692 χ^2/NDF: 68.3/26

All: -26.266+/-22.420 χ^2/NDF: 139.2/54

- sign -113.205+/-31.722 χ^2/NDF: 55.9/27

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

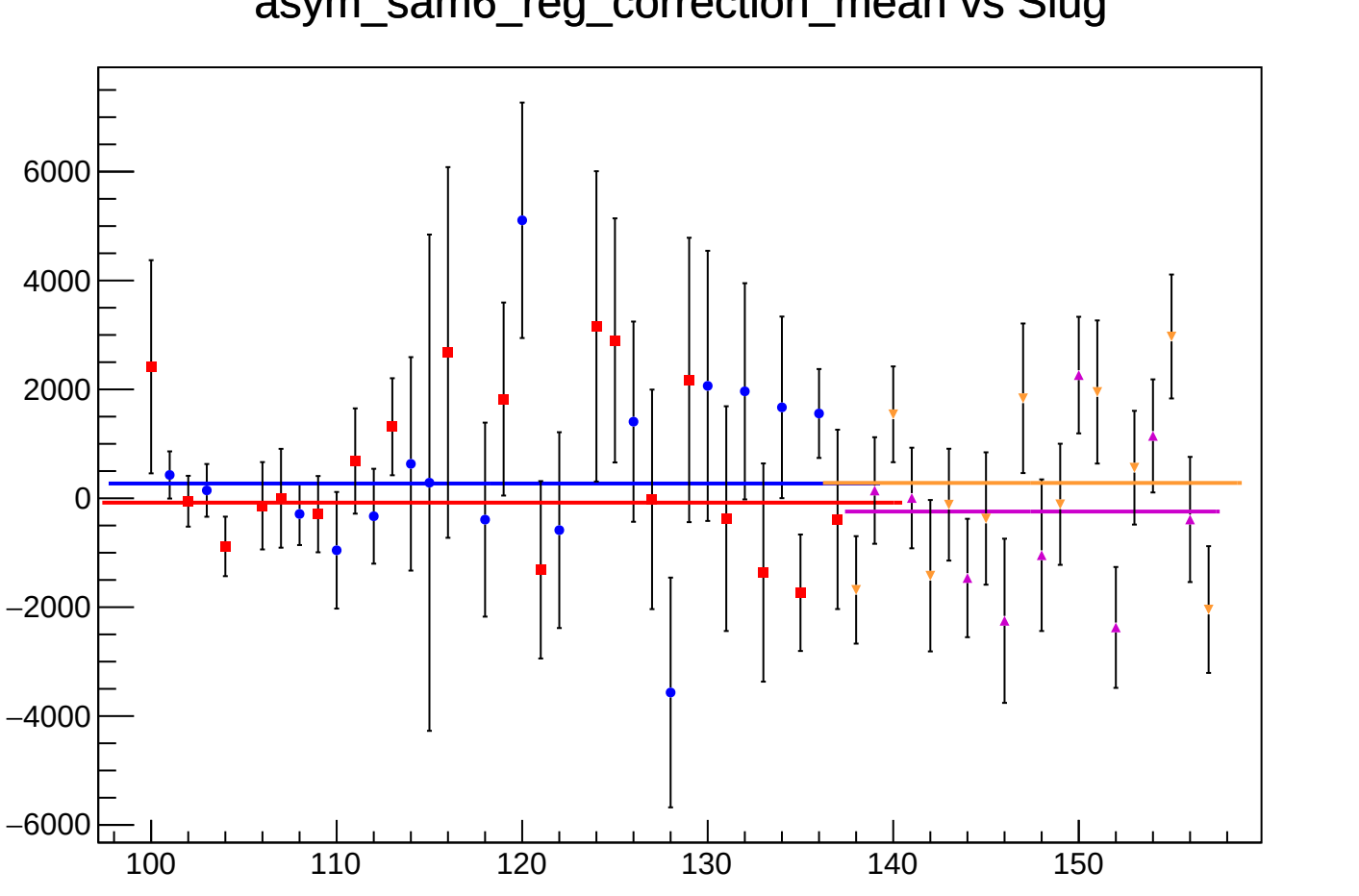
Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 152.882+/-0.039 χ^2/NDF:137656.4/8

+ sign 123.406+/-0.022 χ^2/NDF: 1383449.1/26

All: 121.714+/-0.016 χ^2/NDF: 3225600.6/54

- sign 120.020+/-0.022 χ^2/NDF: 1830746.6/27



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 282.055+/-337.039 χ^2/NDF:20.6/10

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

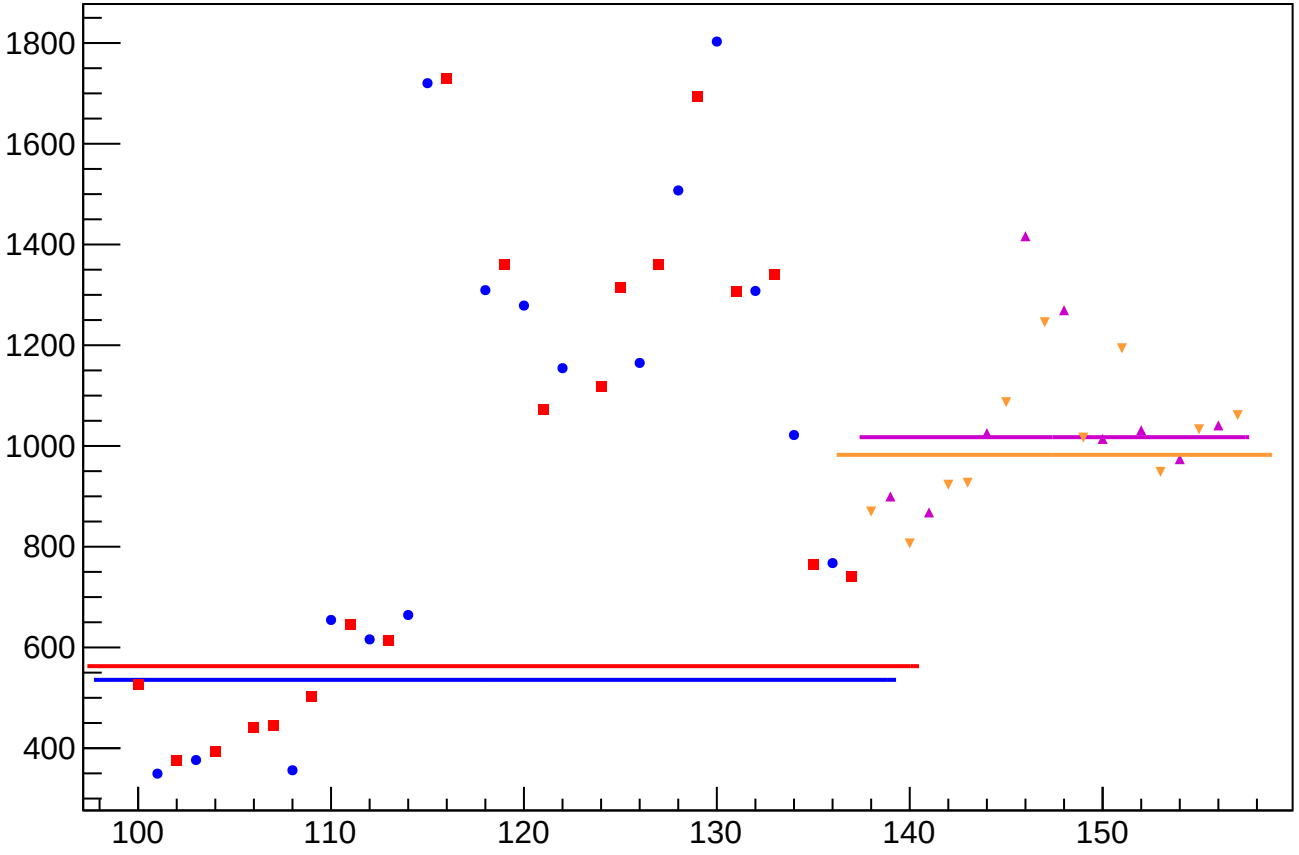
Left In: -243.252+/-367.999 χ^2/NDF:14.5/8

+ sign 274.870+/-190.352 χ^2/NDF: 37.1/26

All: 80.386+/-136.670 χ^2/NDF: 70.0/54

- sign -126.542+/-196.348 χ^2/NDF: 30.7/27

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 982.424+/-0.238 χ^2/NDF:272501.5/10

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

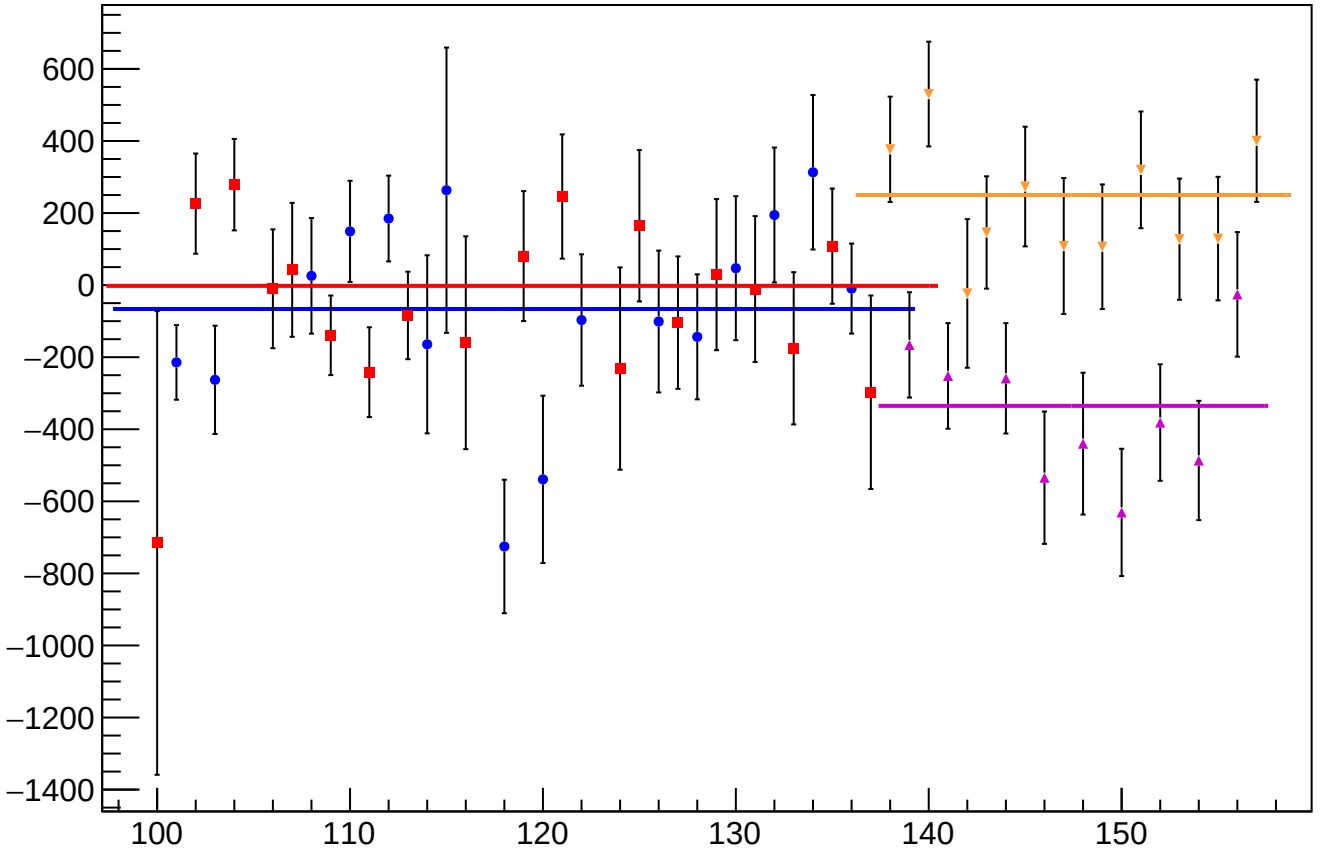
Left In: 1017.472+/-0.260 χ^2/NDF:291521.8/8

+ sign 678.182+/-0.135 χ^2/NDF: 6297896.3/26

All: 685.007+/-0.097 χ^2/NDF: 11889220.4/54

- sign 692.269+/-0.139 χ^2/NDF: 5586017.6/27

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 250.093+/-50.068 χ^2/NDF:9.9/10

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

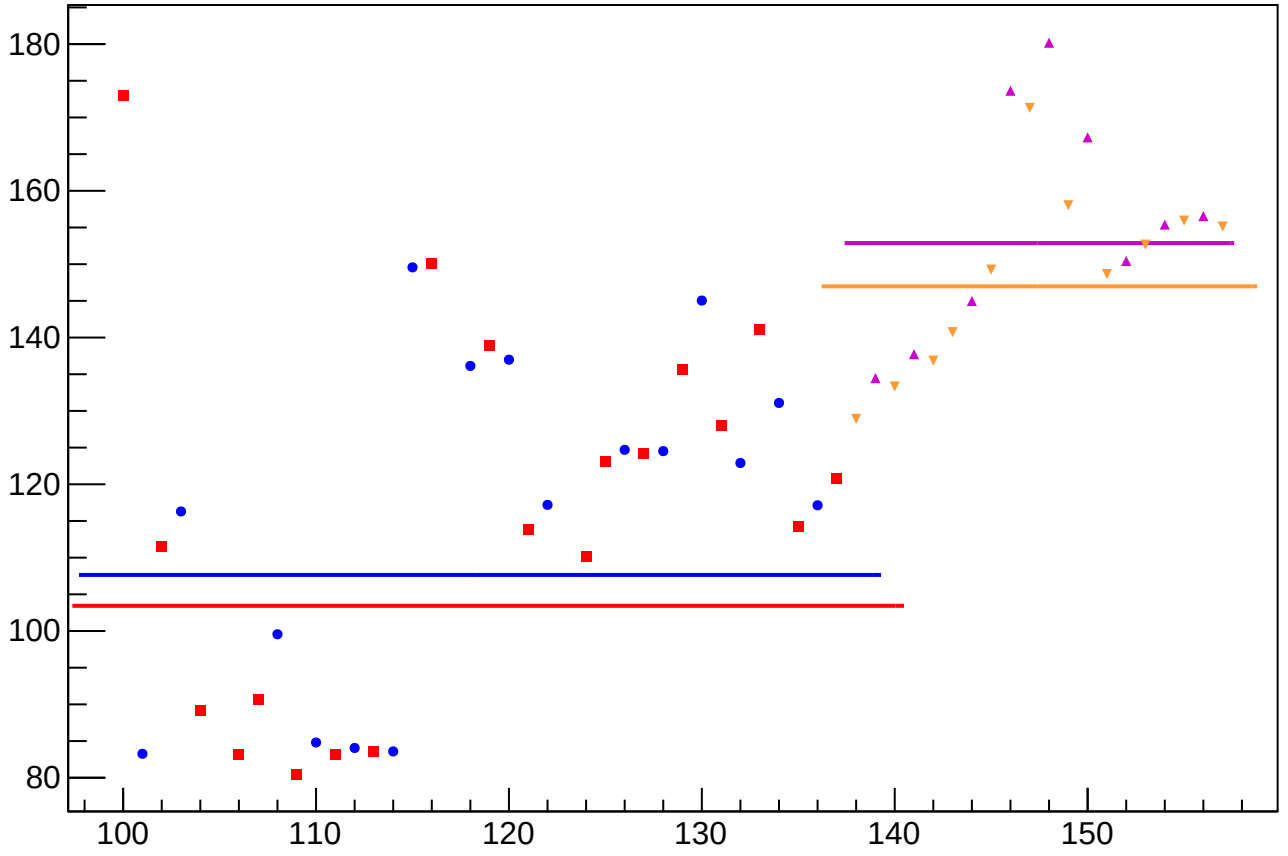
Left In: -335.058+/-54.901 χ^2/NDF:10.3/8

+ sign 60.494+/-31.692 χ^2/NDF: 68.3/26

All: -26.319+/-22.434 χ^2/NDF: 139.2/54

- sign -113.503+/-31.760 χ^2/NDF: 55.9/27

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

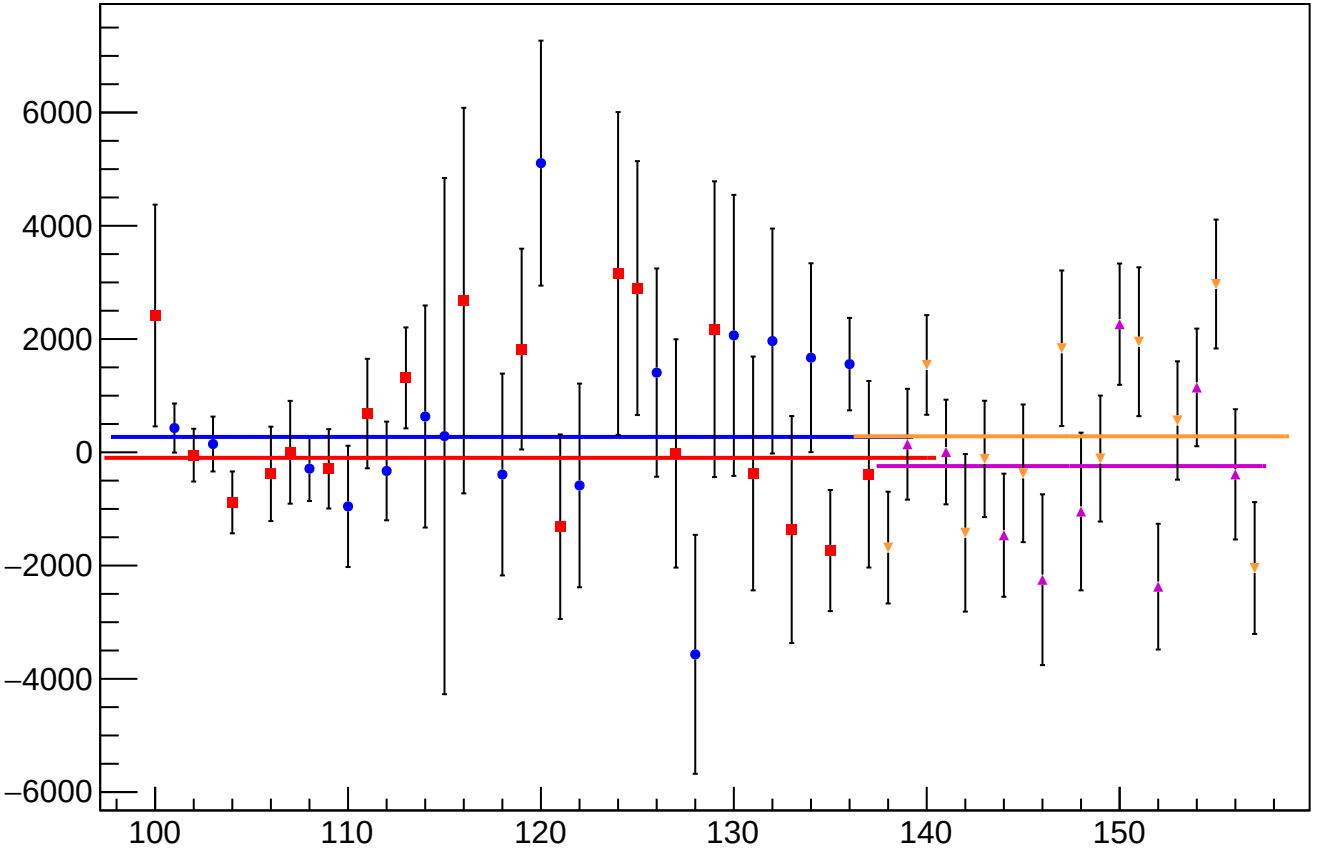
Left In: 152.882+/-0.039 χ^2/NDF:137656.4/8

+ sign 123.406+/-0.022 χ^2/NDF: 1383448.1/26

All: 121.699+/-0.016 χ^2/NDF: 3236818.3/54

- sign 119.985+/-0.022 χ^2/NDF: 1841742.3/27

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

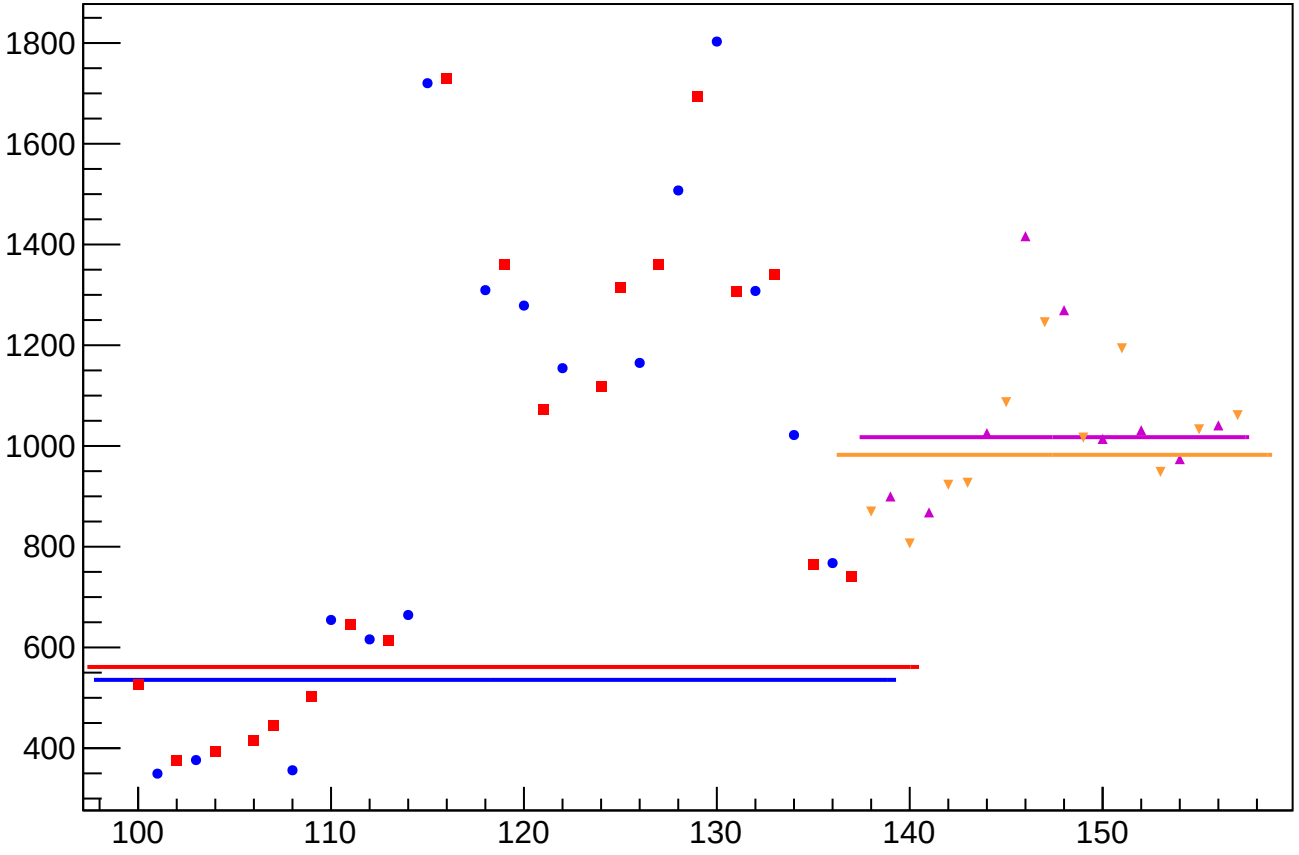
Left In: -243.245+/-367.999 χ^2/NDF:14.5/8

+ sign 274.969+/-190.349 χ^2/NDF: 37.1/26

All: 74.611+/-136.796 χ^2/NDF: 70.2/54

- sign -139.399+/-196.727 χ^2/NDF: 30.8/27

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

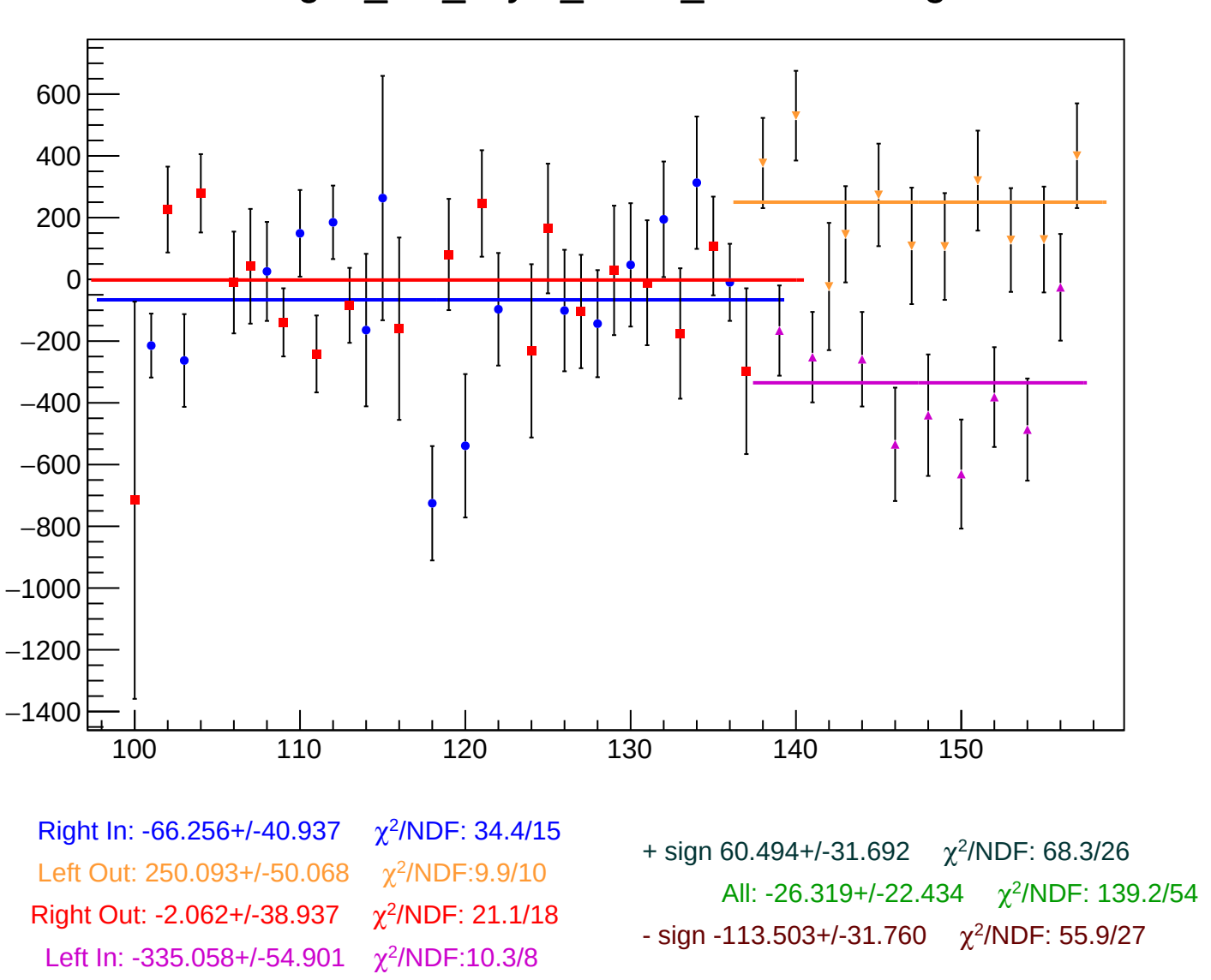
Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1017.472+/-0.260 χ^2/NDF:291522.0/8

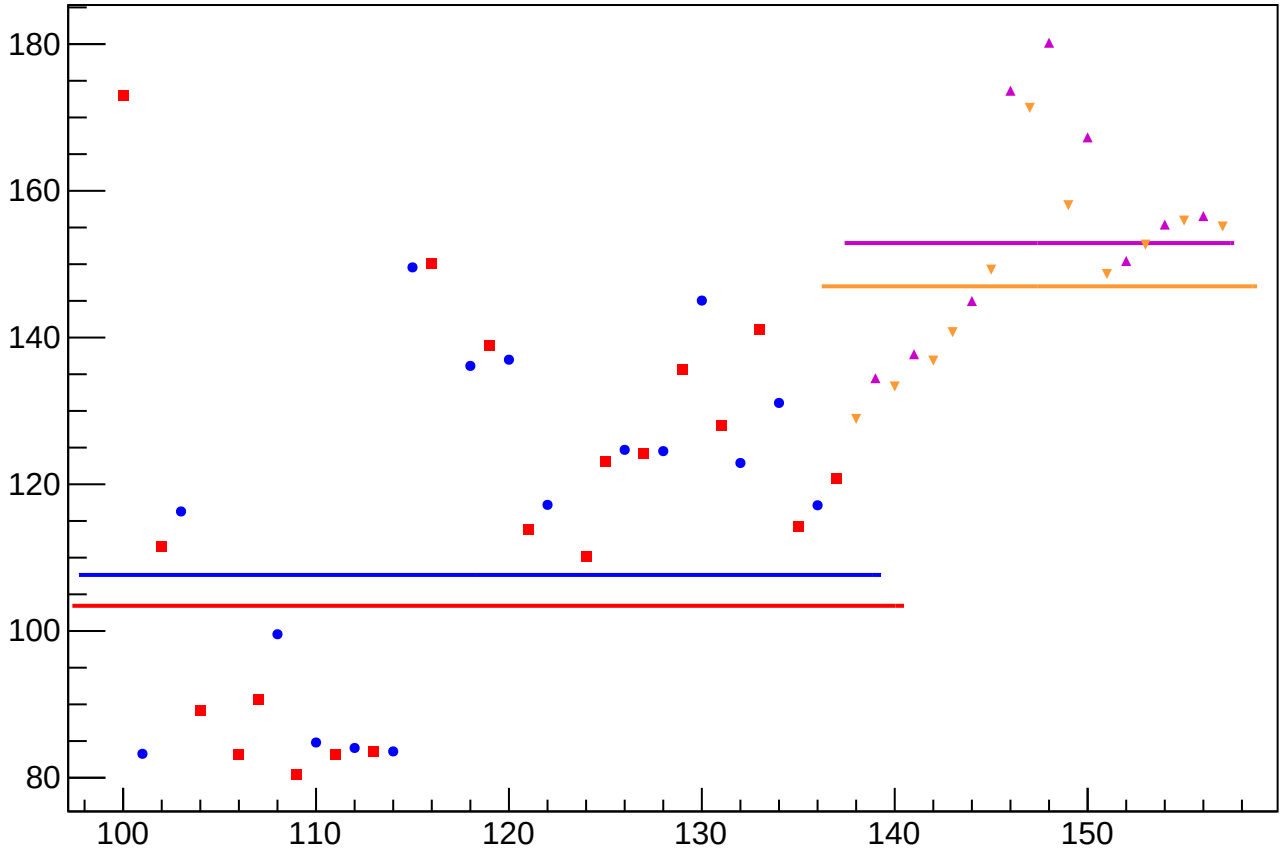
+ sign 678.162+/-0.135 χ^2/NDF: 6298378.6/26

All: 684.680+/-0.097 χ^2/NDF: 11920756.2/54

- sign 691.643+/-0.139 χ^2/NDF: 5617526.4/27


eigen_cor_asym_sam6_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
110
120
130
140
150
Right In: -66.256+/-40.937 χ²/NDF: 34.4/15
Left Out: 250.093+/-50.068 χ²/NDF:9.9/10
Right Out: -2.062+/-38.937 χ²/NDF: 21.1/18
Left In: -335.058+/-54.901 χ²/NDF:10.3/8
+ sign 60.494+/-31.692 χ²/NDF: 68.3/26
All: -26.319+/-22.434 χ²/NDF: 139.2/54
- sign -113.503+/-31.760 χ²/NDF: 55.9/27

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.983+/-0.035 χ^2/NDF:110637.4/10

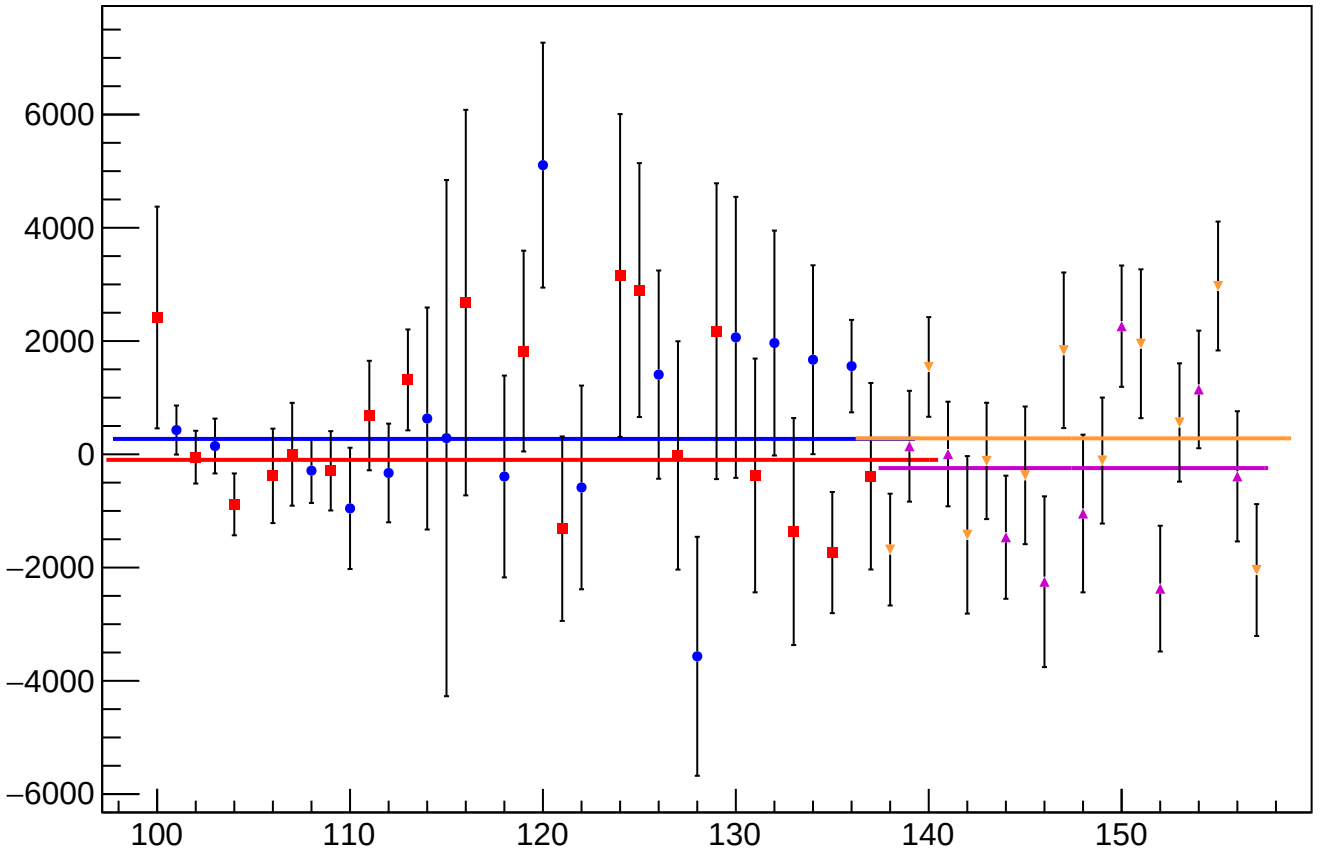
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.882+/-0.039 χ^2/NDF:137656.4/8

+ sign 123.406+/-0.022 χ^2/NDF: 1383448.1/26

All: 121.699+/-0.016 χ^2/NDF: 3236818.3/54

- sign 119.985+/-0.022 χ^2/NDF: 1841742.3/27



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 282.065+/-337.039 χ^2/NDF:20.6/10

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

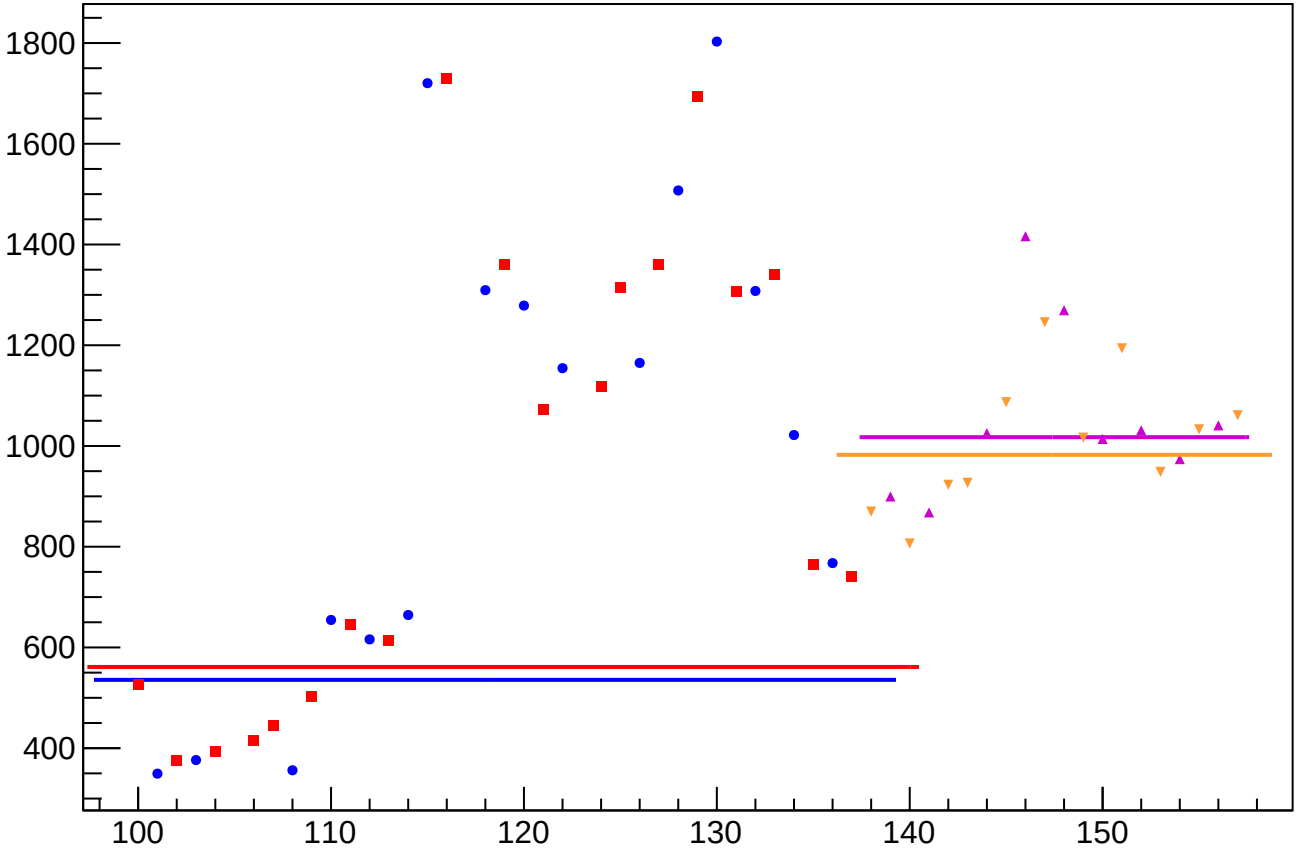
Left In: -243.245+/-367.999 χ^2/NDF:14.5/8

+ sign 274.969+/-190.349 χ^2/NDF: 37.1/26

All: 74.611+/-136.796 χ^2/NDF: 70.2/54

- sign -139.399+/-196.727 χ^2/NDF: 30.8/27

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 982.424+/-0.238 χ^2/NDF:272502.1/10

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

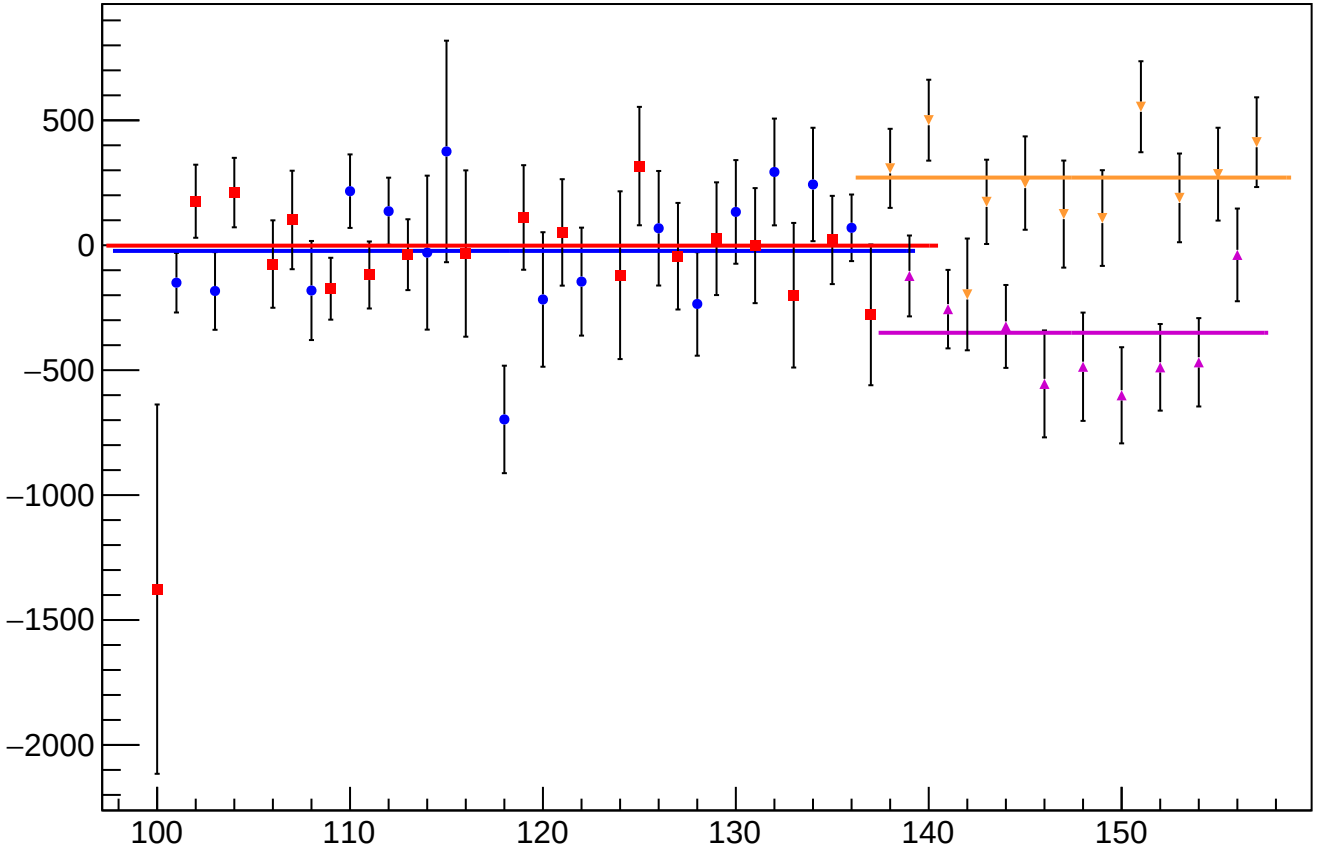
Left In: 1017.472+/-0.260 χ^2/NDF:291522.0/8

+ sign 678.162+/-0.135 χ^2/NDF: 6298378.6/26

All: 684.680+/-0.097 χ^2/NDF: 11920756.2/54

- sign 691.643+/-0.139 χ^2/NDF: 5617526.4/27

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.843+/-54.820 χ^2/NDF:11.2/10

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

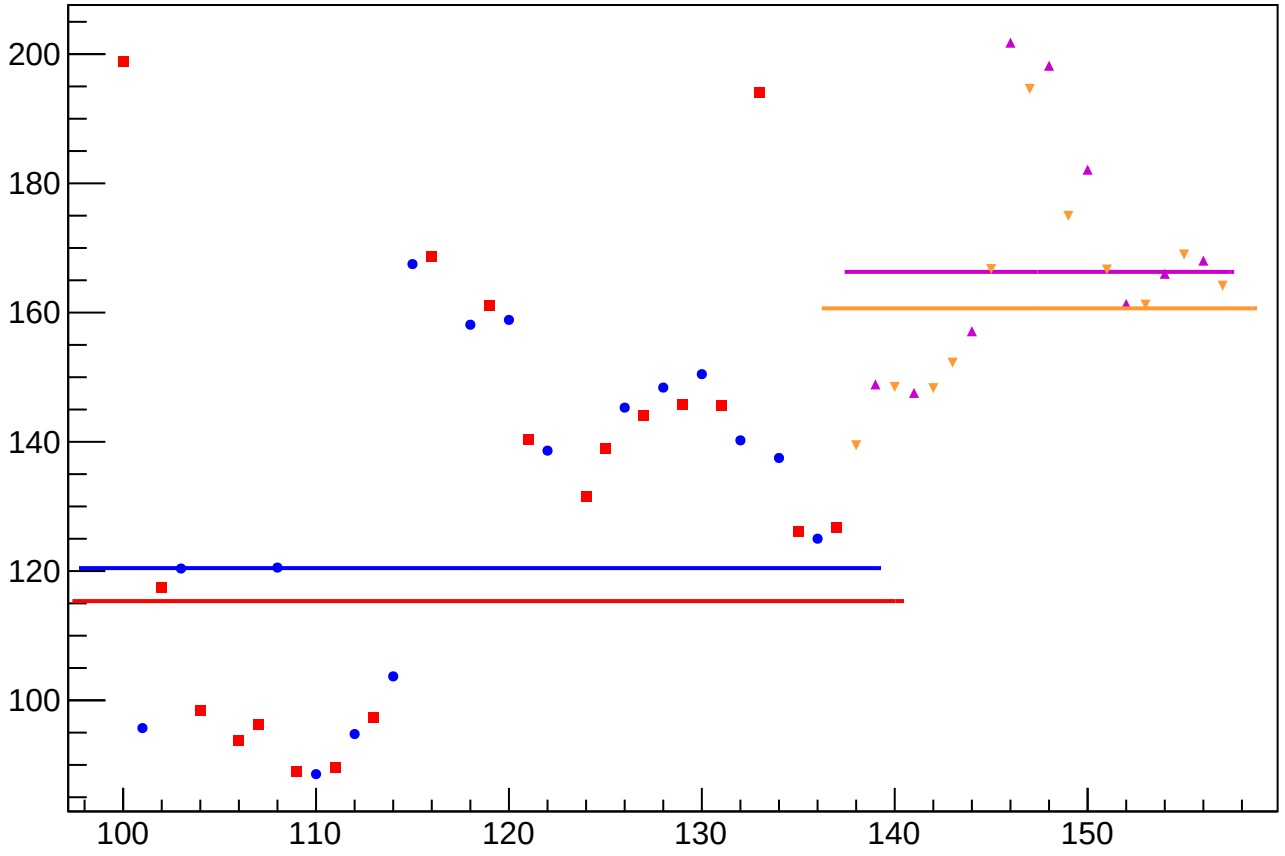
Left In: -350.372+/-59.817 χ^2/NDF:9.3/8

+ sign 98.316+/-35.197 χ^2/NDF: 52.3/26

All: -12.023+/-24.894 χ^2/NDF: 117.7/54

- sign -122.473+/-35.214 χ^2/NDF: 45.8/27

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.658+/-0.039 χ^2/NDF:128758.8/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

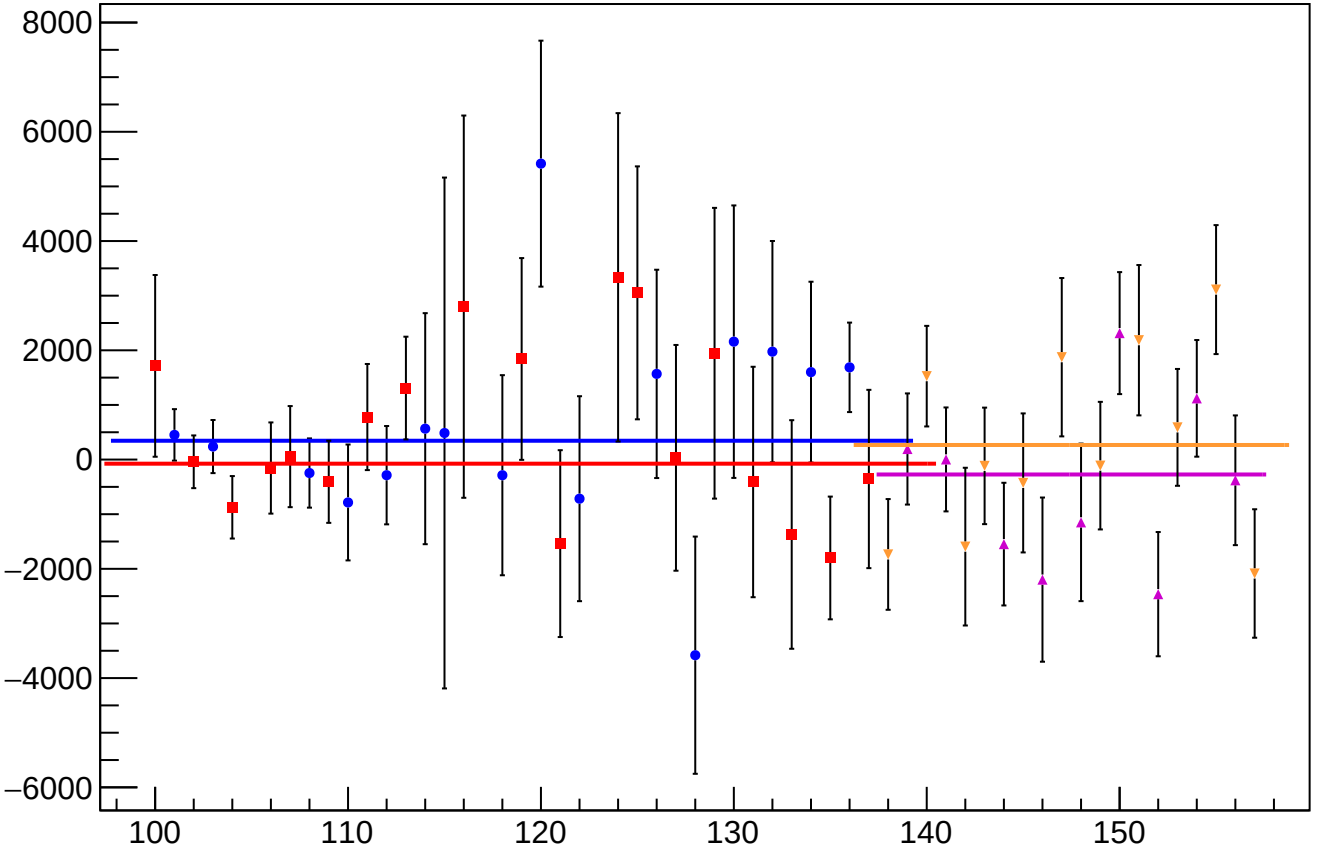
Left In: 166.302+/-0.042 χ^2/NDF:171326.1/8

+ sign 137.029+/-0.025 χ^2/NDF: 1291237.9/26

All: 135.022+/-0.018 χ^2/NDF: 3190761.6/54

- sign 133.013+/-0.025 χ^2/NDF: 1886508.1/27

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 266.842+/-349.578 χ^2/NDF:21.0/10

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

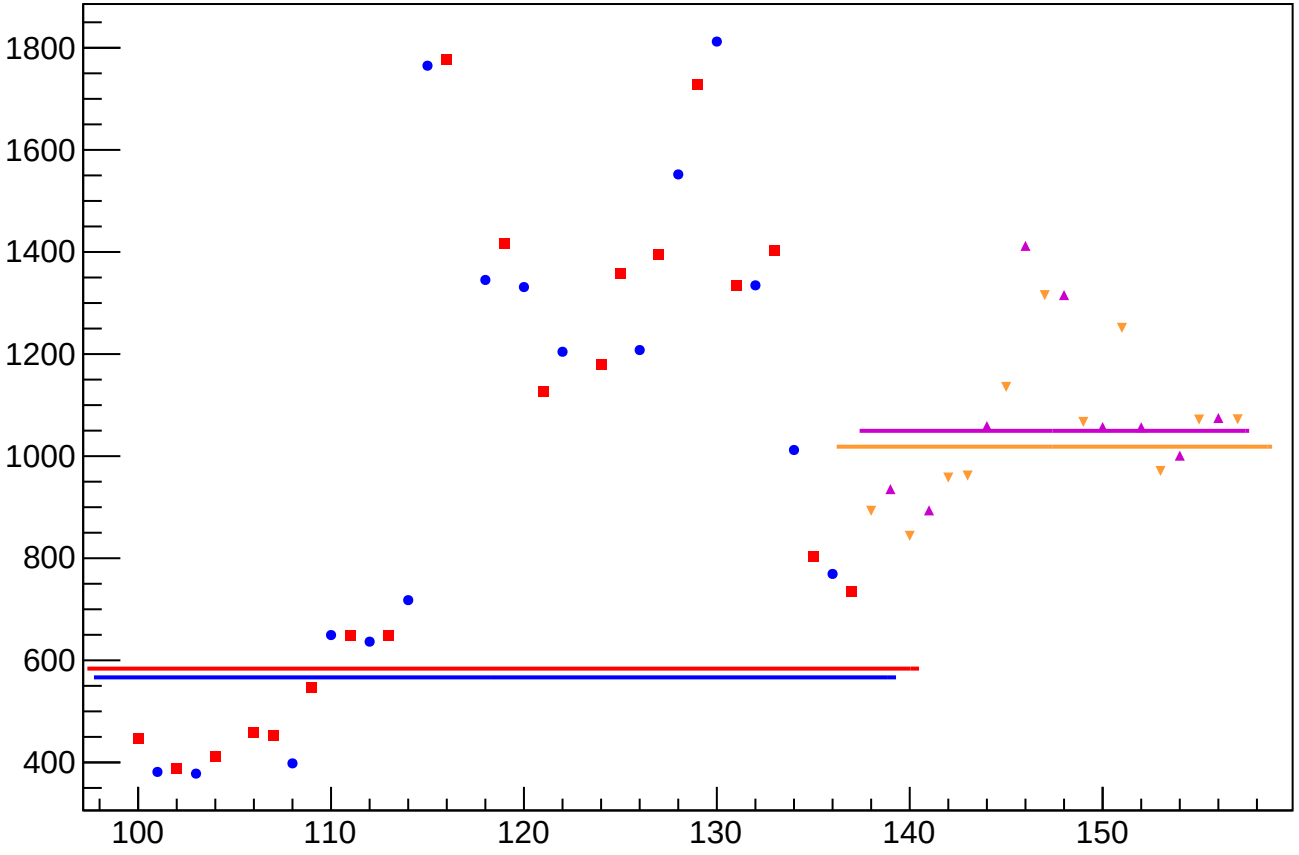
Left In: -273.142+/-379.325 χ^2/NDF:14.4/8

\+ sign 319.364+/-198.714 χ^2/NDF: 37.3/26

All: 98.556+/-142.038 χ^2/NDF: 69.7/54

\- sign -132.115+/-203.103 χ^2/NDF: 29.8/27

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285554.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

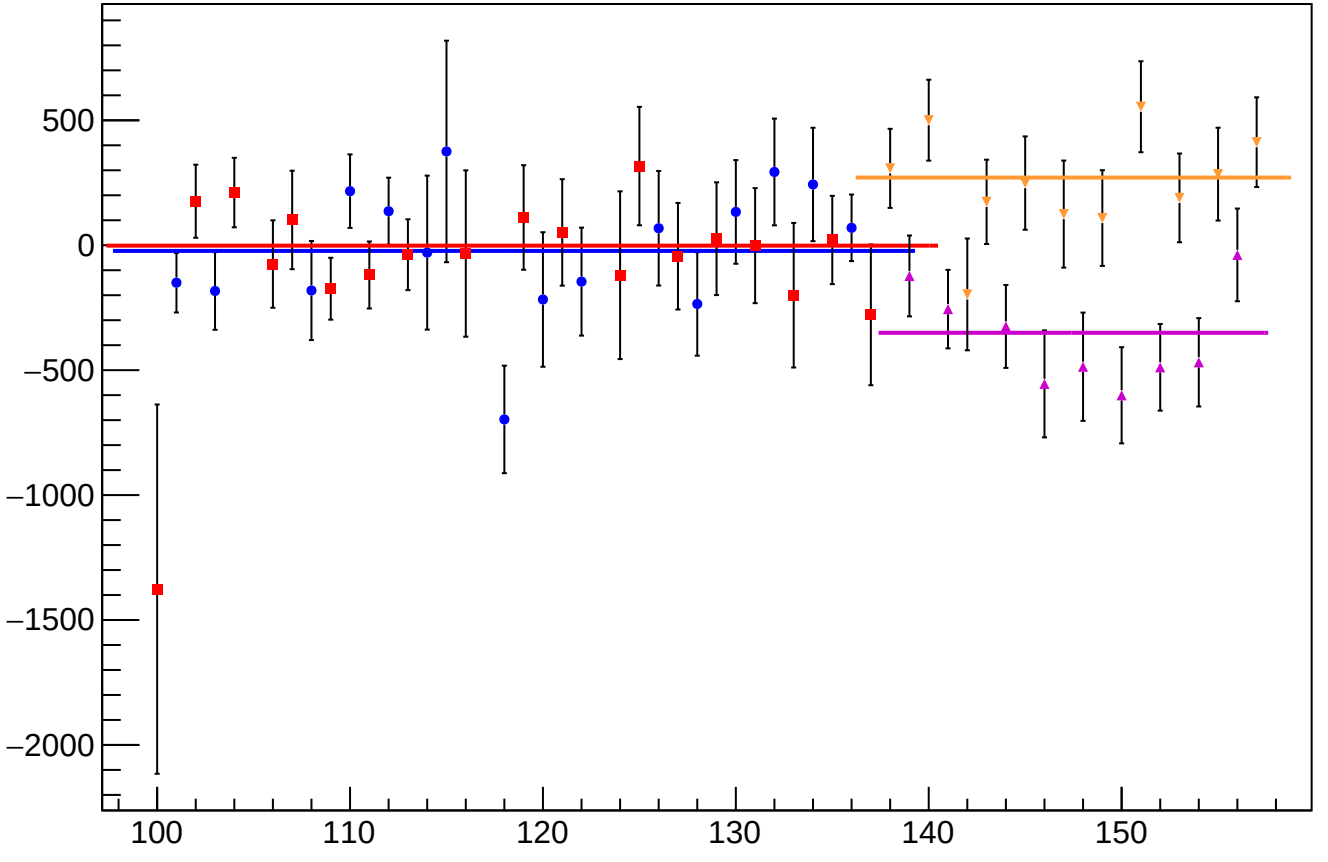
Left In: 1049.622+/-0.268 χ^2/NDF:268543.0/8

+ sign 712.650+/-0.141 χ^2/NDF: 5981047.9/26

All: 714.944+/-0.100 χ^2/NDF: 11509120.2/54

- sign 717.341+/-0.144 χ^2/NDF: 5527527.0/27

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 270.844+/-54.820 χ^2/NDF:11.2/10

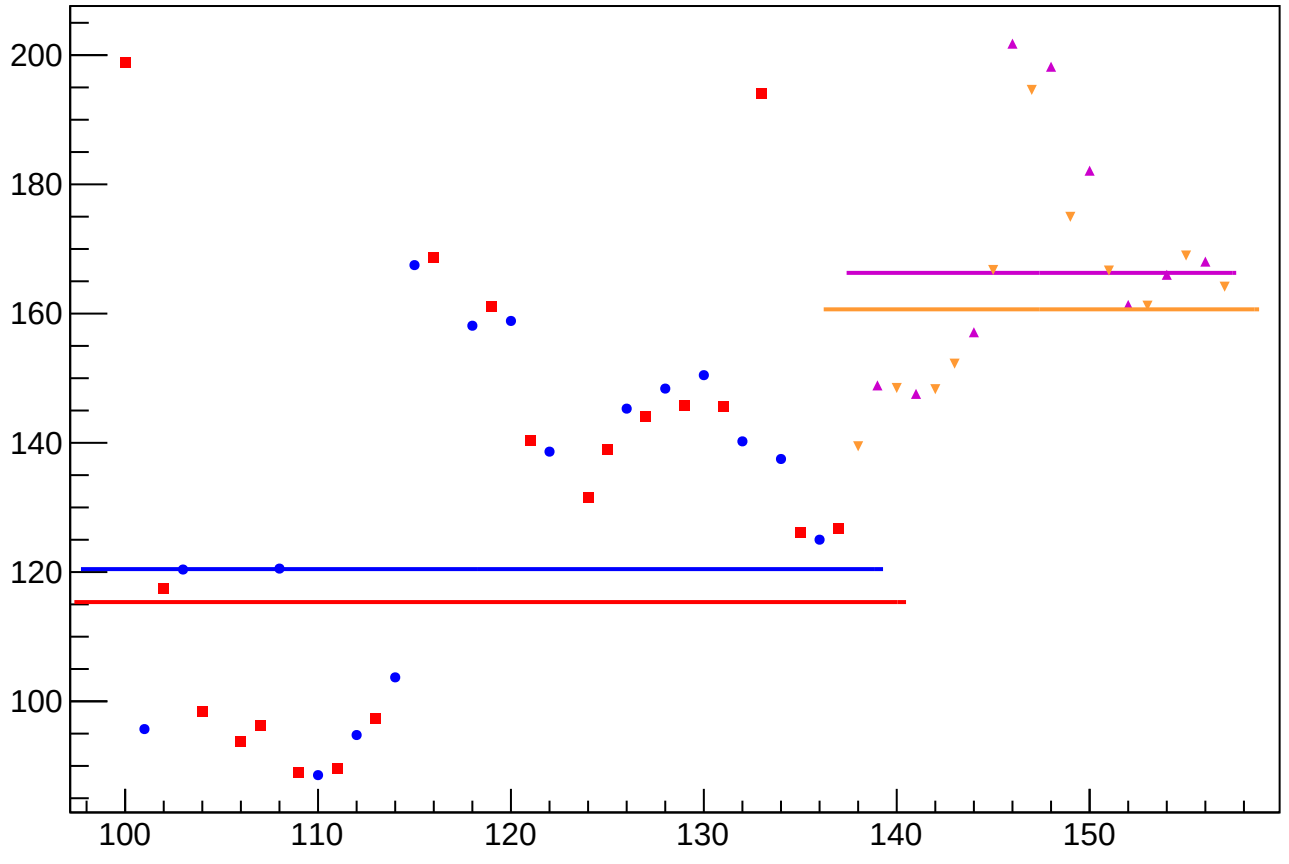
Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: -350.372+/-59.817 χ^2/NDF:9.3/8

+ sign 98.315+/-35.196 χ^2/NDF: 52.3/26

All: -12.024+/-24.894 χ^2/NDF: 117.7/54

- sign -122.474+/-35.214 χ^2/NDF: 45.8/27



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.658+/-0.039 χ^2/NDF:128757.9/10

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

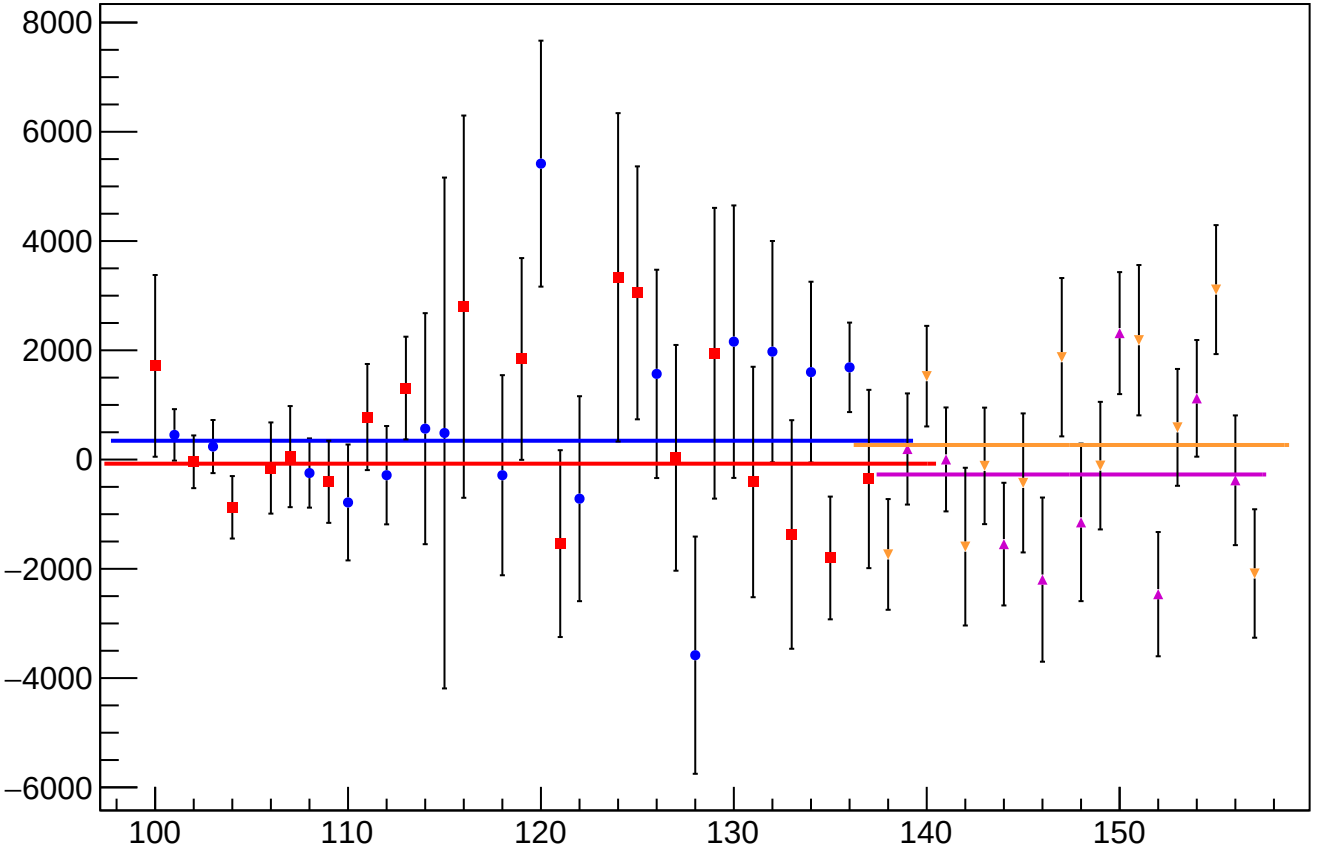
Left In: 166.302+/-0.042 χ^2/NDF:171326.3/8

+ sign 137.029+/-0.025 χ^2/NDF: 1291244.3/26

All: 135.022+/-0.018 χ^2/NDF: 3190771.7/54

- sign 133.013+/-0.025 χ^2/NDF: 1886512.2/27

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 266.844+/-349.578 χ^2/NDF:21.0/10

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

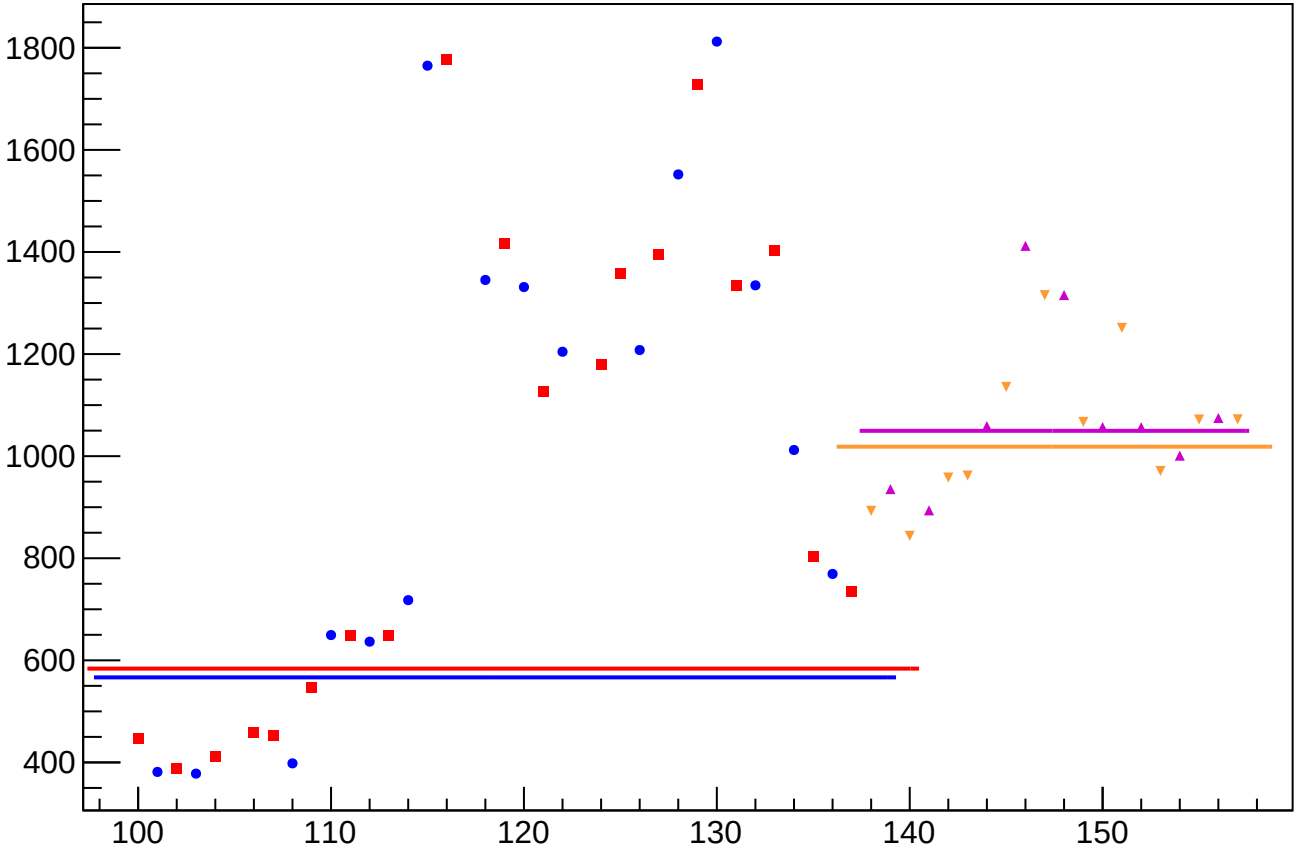
Left In: -273.142+/-379.326 χ^2/NDF:14.4/8

\+ sign 319.364+/-198.714 χ^2/NDF: 37.3/26

All: 98.556+/-142.038 χ^2/NDF: 69.7/54

\- sign -132.115+/-203.103 χ^2/NDF: 29.8/27

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1018.586+/-0.247 χ^2/NDF:285555.0/10

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

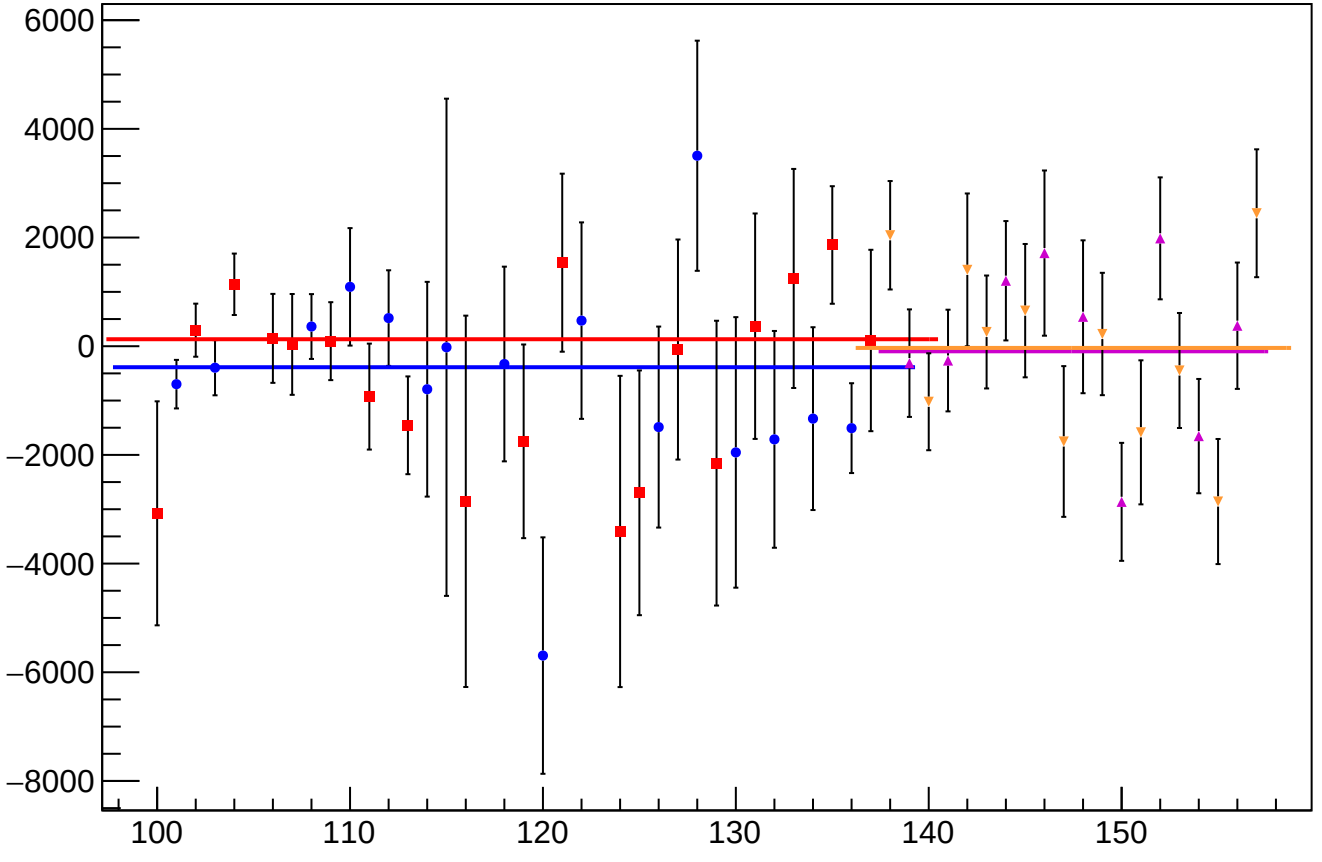
Left In: 1049.622+/-0.268 χ^2/NDF:268543.3/8

+ sign 712.649+/-0.141 χ^2/NDF: 5981062.0/26

All: 714.944+/-0.100 χ^2/NDF: 11509141.5/54

- sign 717.341+/-0.144 χ^2/NDF: 5527534.2/27

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -31.502+/-340.883 χ^2/NDF:20.6/10

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

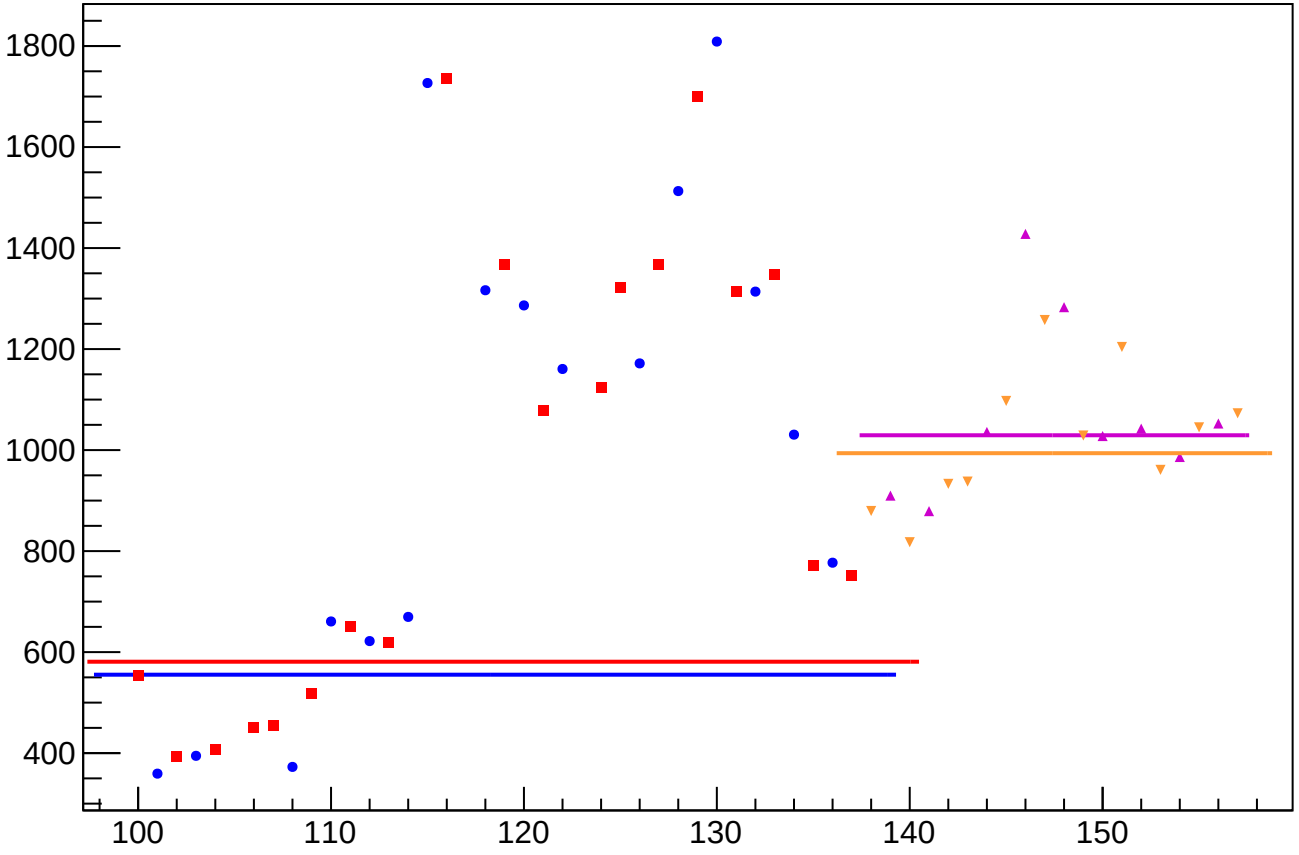
Left In: -93.490+/-372.222 χ^2/NDF:15.4/8

+ sign -270.489+/-194.881 χ^2/NDF: 39.2/26

All: -108.107+/-139.800 χ^2/NDF: 75.7/54

- sign 64.046+/-200.659 χ^2/NDF: 35.0/27

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 993.863+/-0.241 χ^2/NDF:267752.5/10

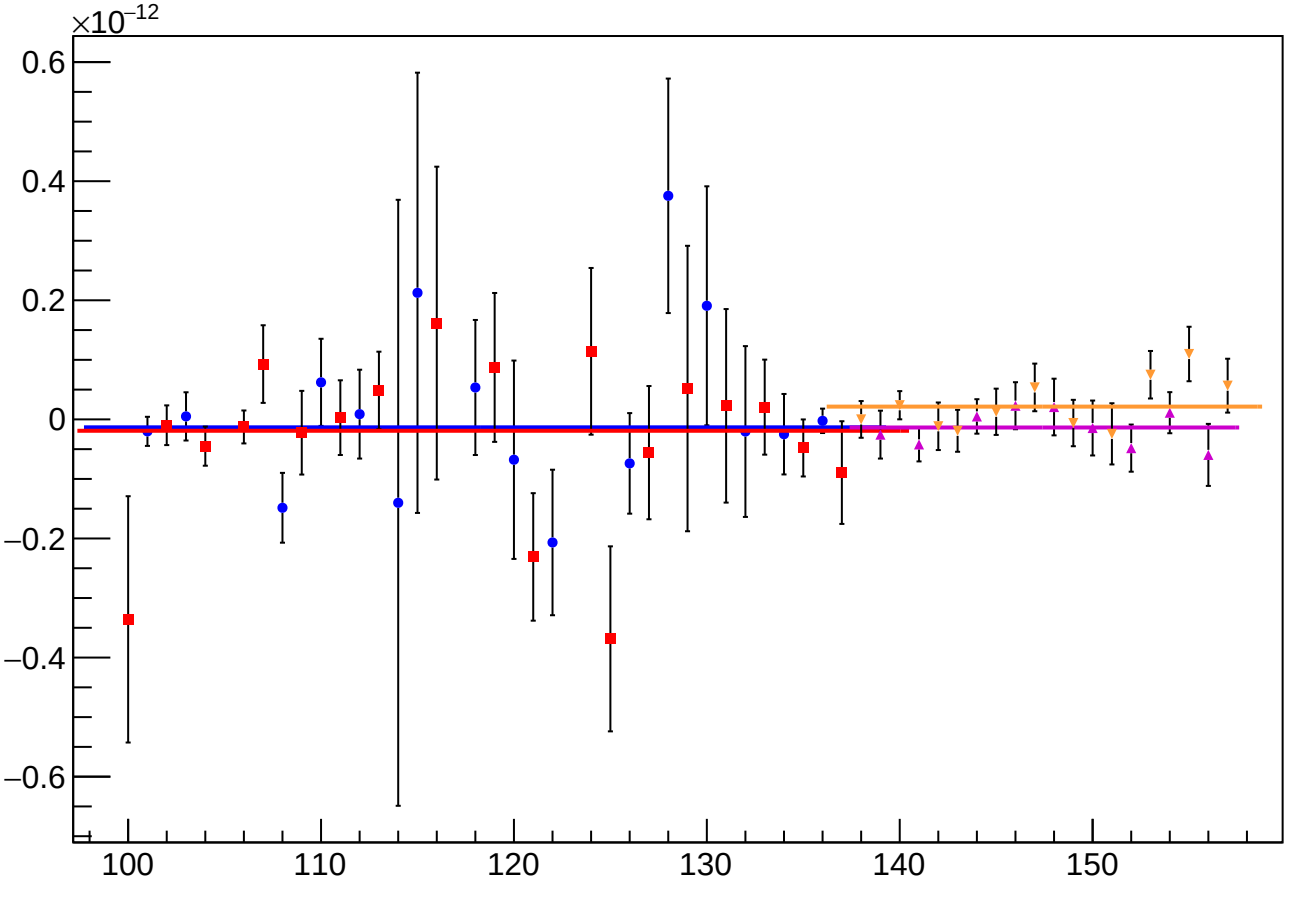
Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1029.366+/-0.263 χ^2/NDF:287837.1/8

+ sign 698.632+/-0.138 χ^2/NDF: 5978829.6/26

All: 704.780+/-0.099 χ^2/NDF: 11312984.8/54

- sign 711.297+/-0.142 χ^2/NDF: 5330055.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

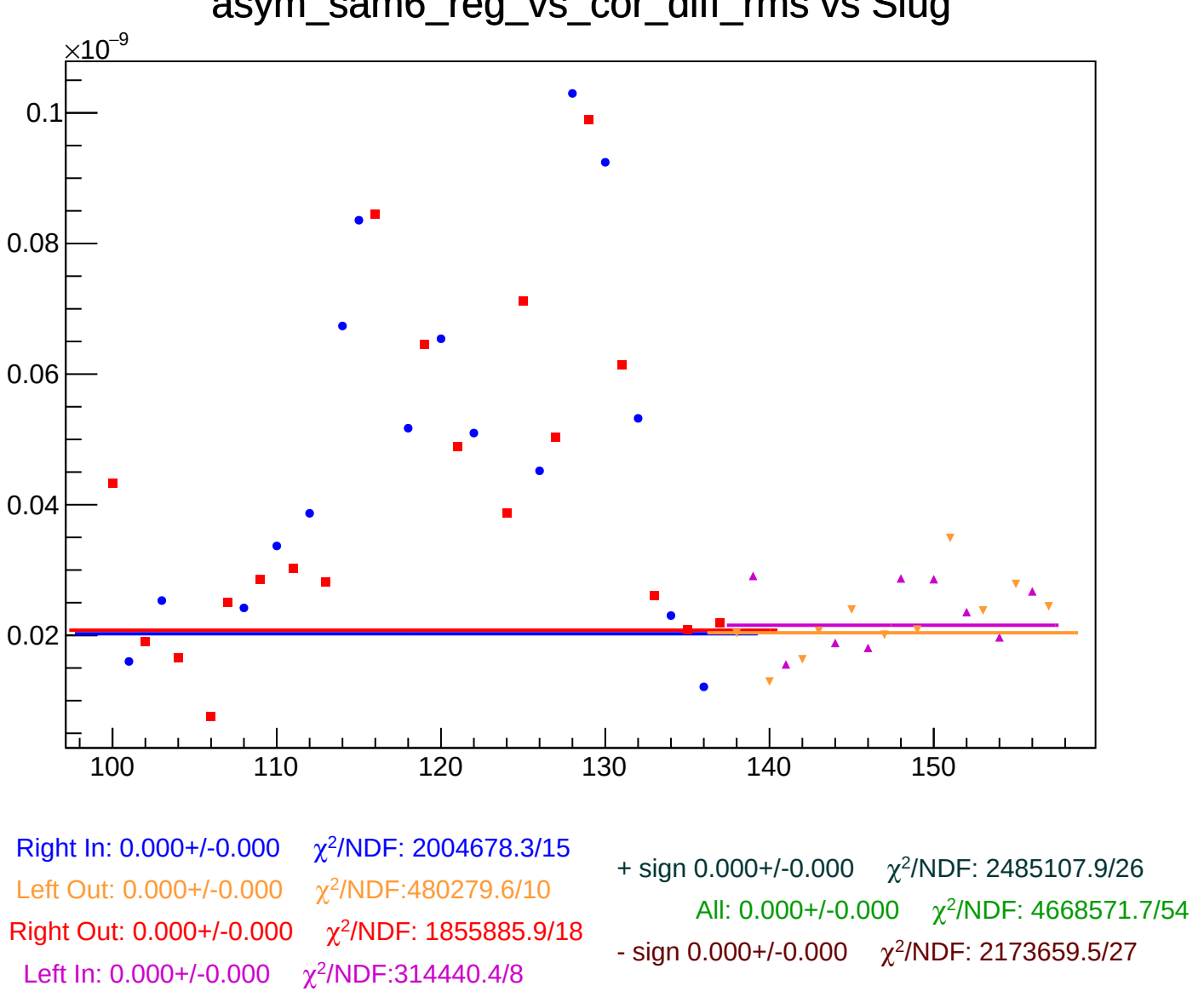
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/8

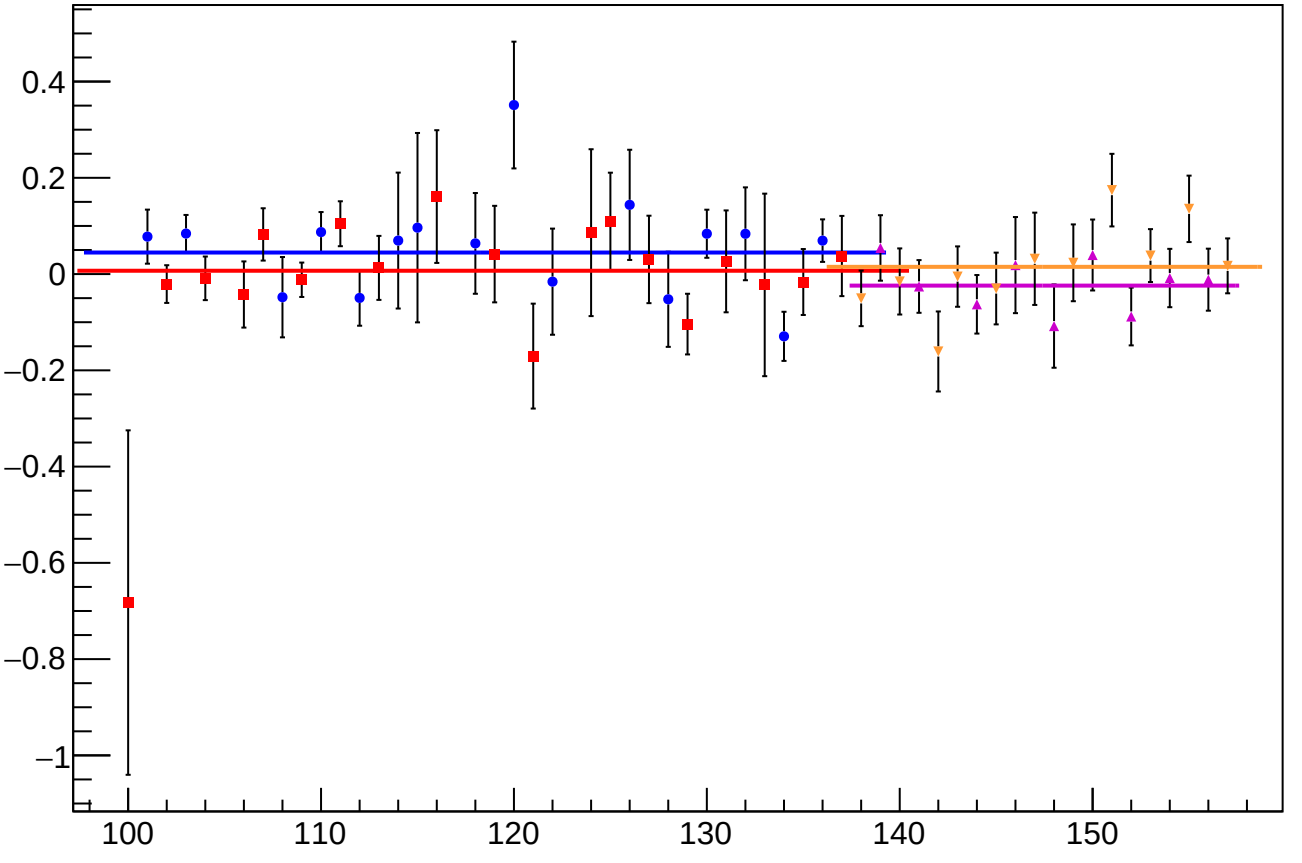
+ sign 0.000+/-0.000 χ^2/NDF: 30.7/26

All: -0.000+/-0.000 χ^2/NDF: 59.0/54

- sign -0.000+/-0.000 χ^2/NDF: 24.9/27


asym_sam6_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2004678.3/15
Left Out: 0.000+/-0.000 χ²/NDF:480279.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1855885.9/18
Left In: 0.000+/-0.000 χ²/NDF:314440.4/8
+ sign 0.000+/-0.000 χ²/NDF: 2485107.9/26
All: 0.000+/-0.000 χ²/NDF: 4668571.7/54
- sign 0.000+/-0.000 χ²/NDF: 2173659.5/27

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.020 χ^2/NDF:14.2/10

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

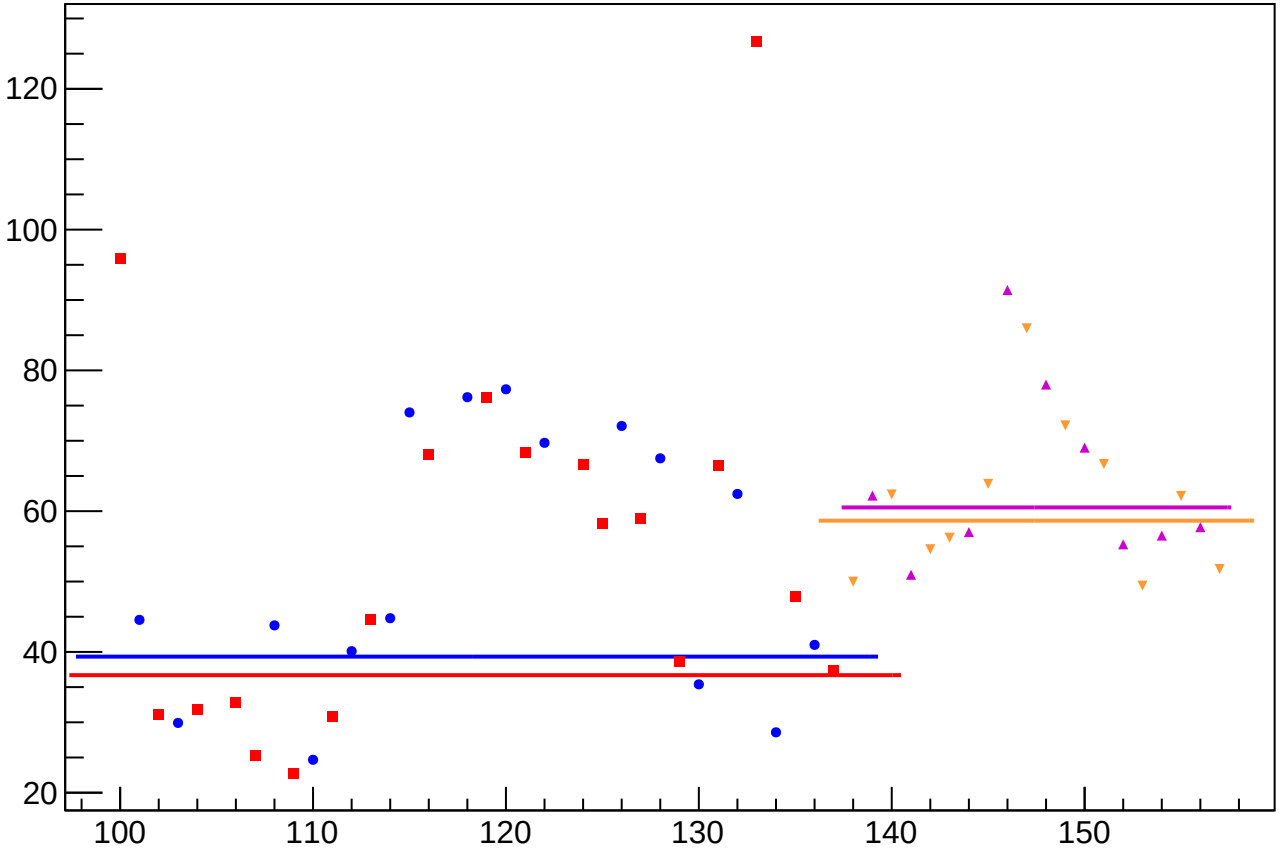
Left In: -0.024+/-0.022 χ^2/NDF:4.9/8

+ sign 0.033+/-0.013 χ^2/NDF: 42.1/26

All: 0.015+/-0.009 χ^2/NDF: 72.6/54

- sign -0.003+/-0.012 χ^2/NDF: 26.3/27

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

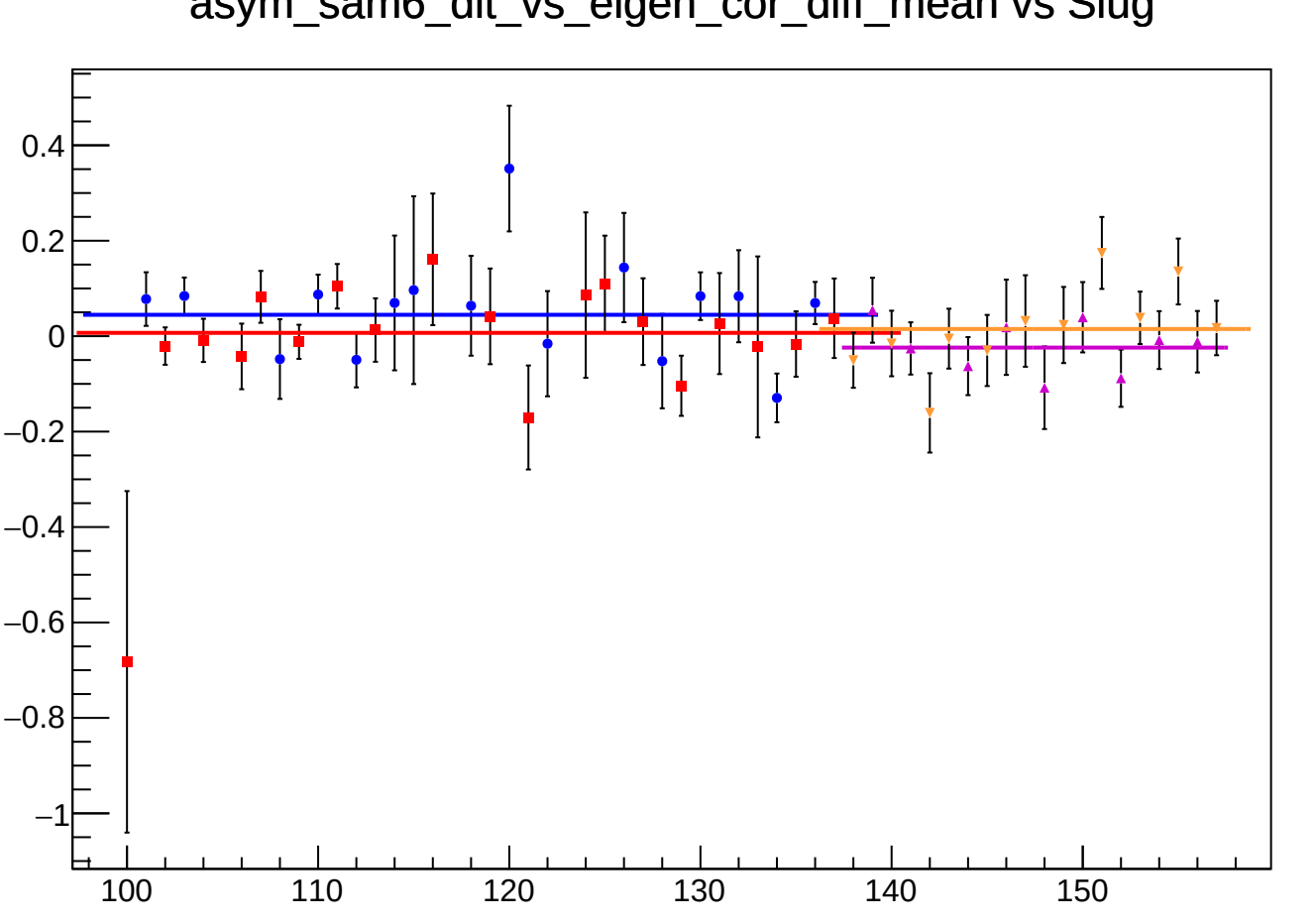
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.530+/-0.016 χ^2/NDF:395870.7/8

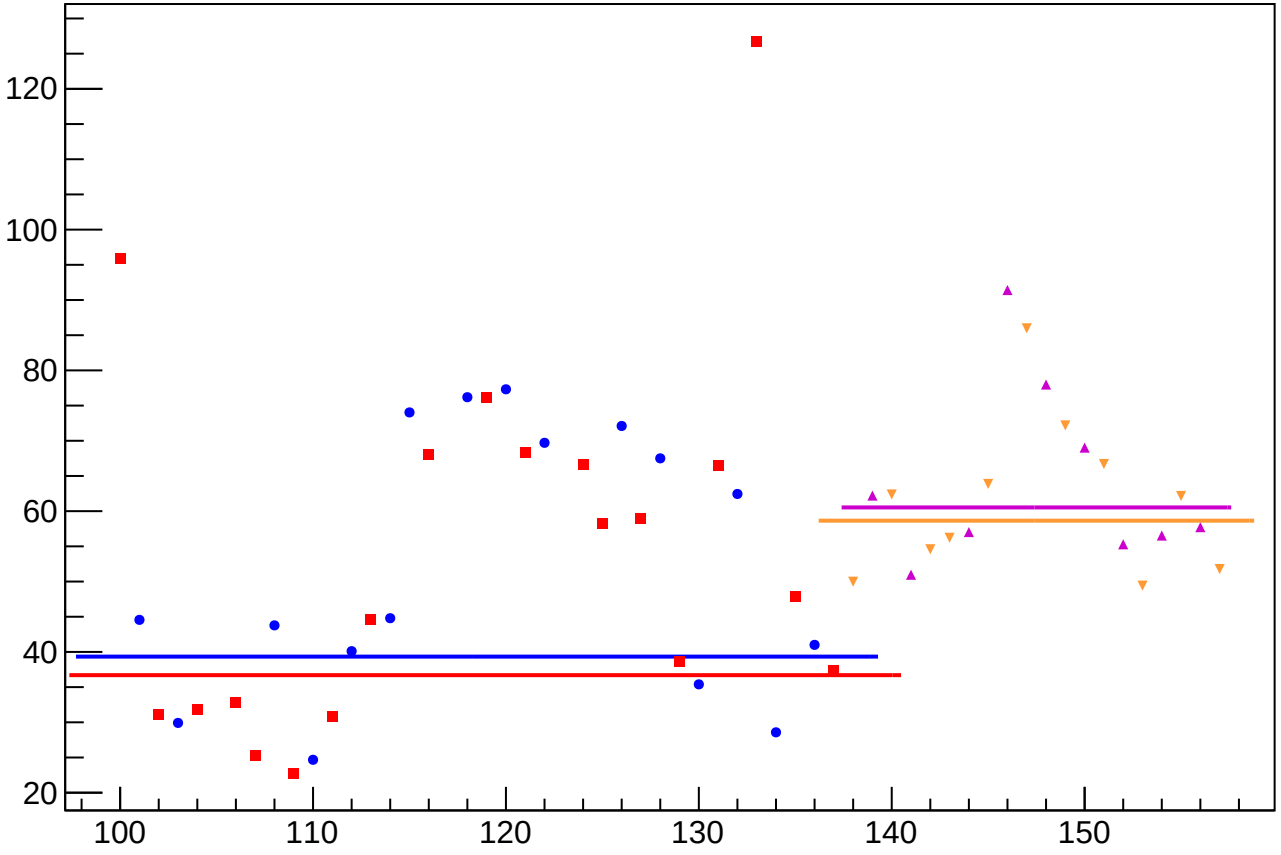
+ sign 46.661+/-0.009 χ^2/NDF: 3071151.2/26

All: 45.440+/-0.006 χ^2/NDF: 7175556.9/54

- sign 44.244+/-0.009 χ^2/NDF: 4067360.6/27


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.020 χ²/NDF:14.2/10
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.024+/-0.022 χ²/NDF:4.9/8
+ sign 0.033+/-0.013 χ²/NDF: 42.1/26
All: 0.015+/-0.009 χ²/NDF: 72.6/54
- sign -0.003+/-0.012 χ²/NDF: 26.3/27

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 58.649+/-0.014 χ^2/NDF:402081.8/10

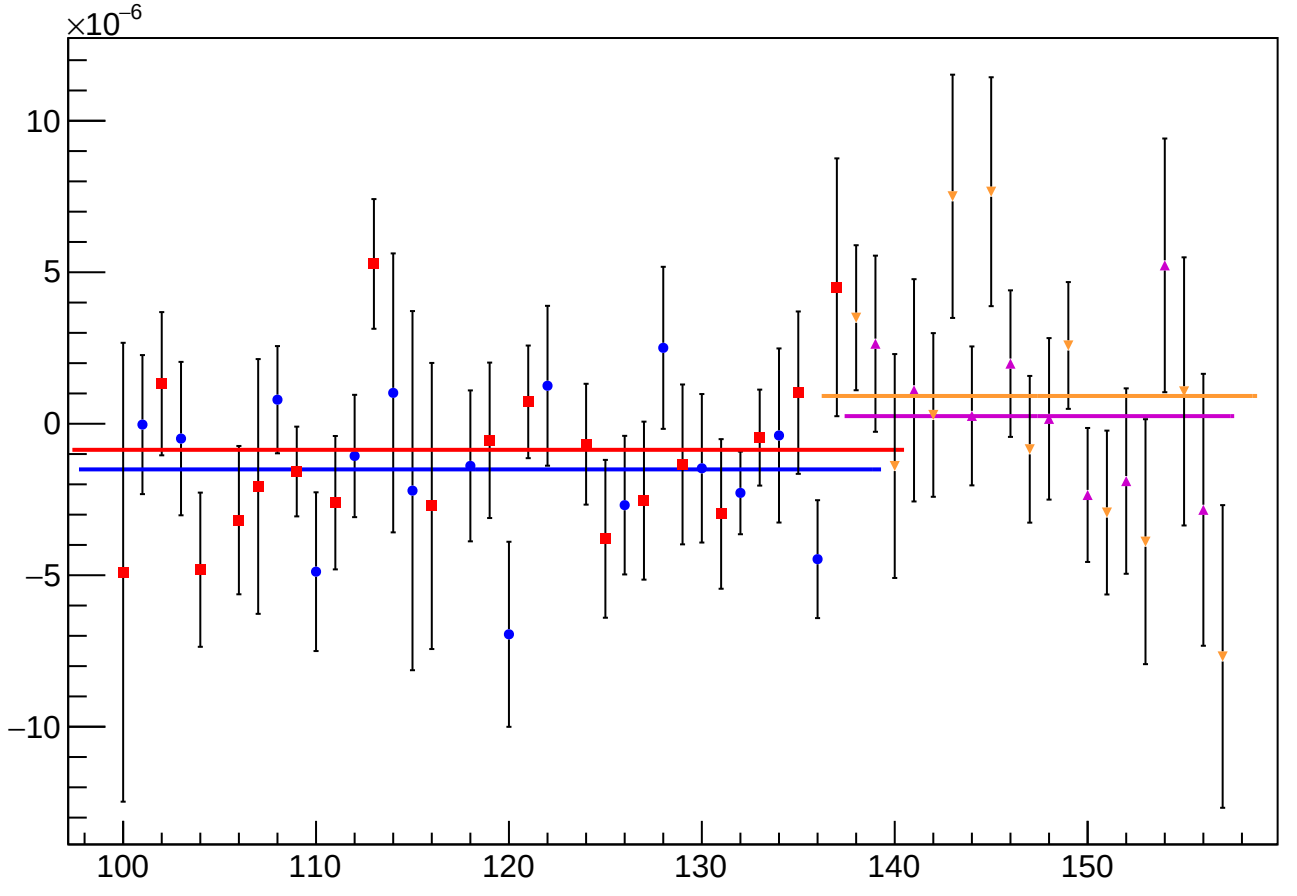
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.530+/-0.016 χ^2/NDF:395870.7/8

+ sign 46.661+/-0.009 χ^2/NDF: 3071151.2/26

All: 45.440+/-0.006 χ^2/NDF: 7175556.9/54

- sign 44.244+/-0.009 χ^2/NDF: 4067360.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

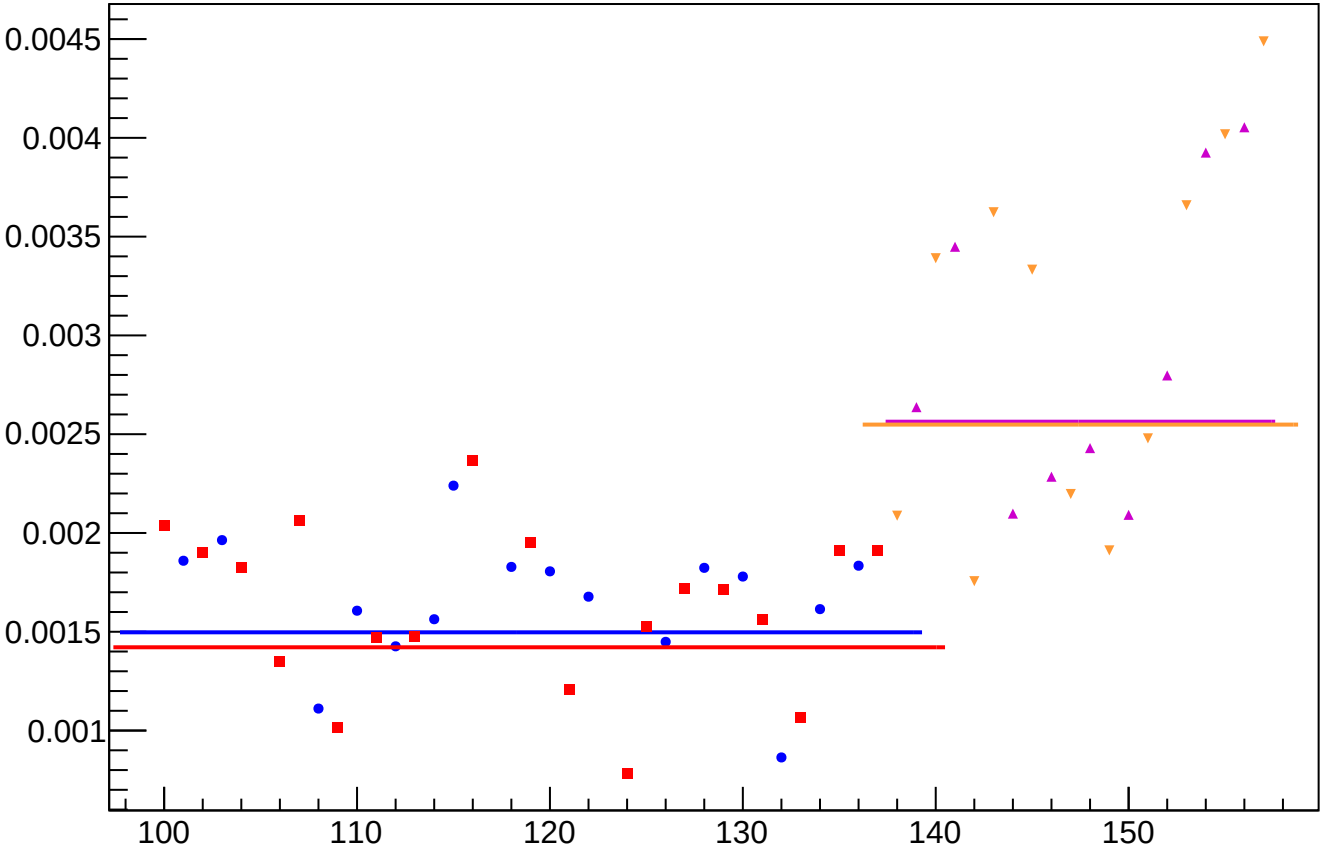
Left In: 0.000+/-0.000 χ^2/NDF:5.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/26

All: -0.000+/-0.000 χ^2/NDF: 59.2/54

- sign -0.000+/-0.000 χ^2/NDF: 25.2/27

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:1481396.6/10

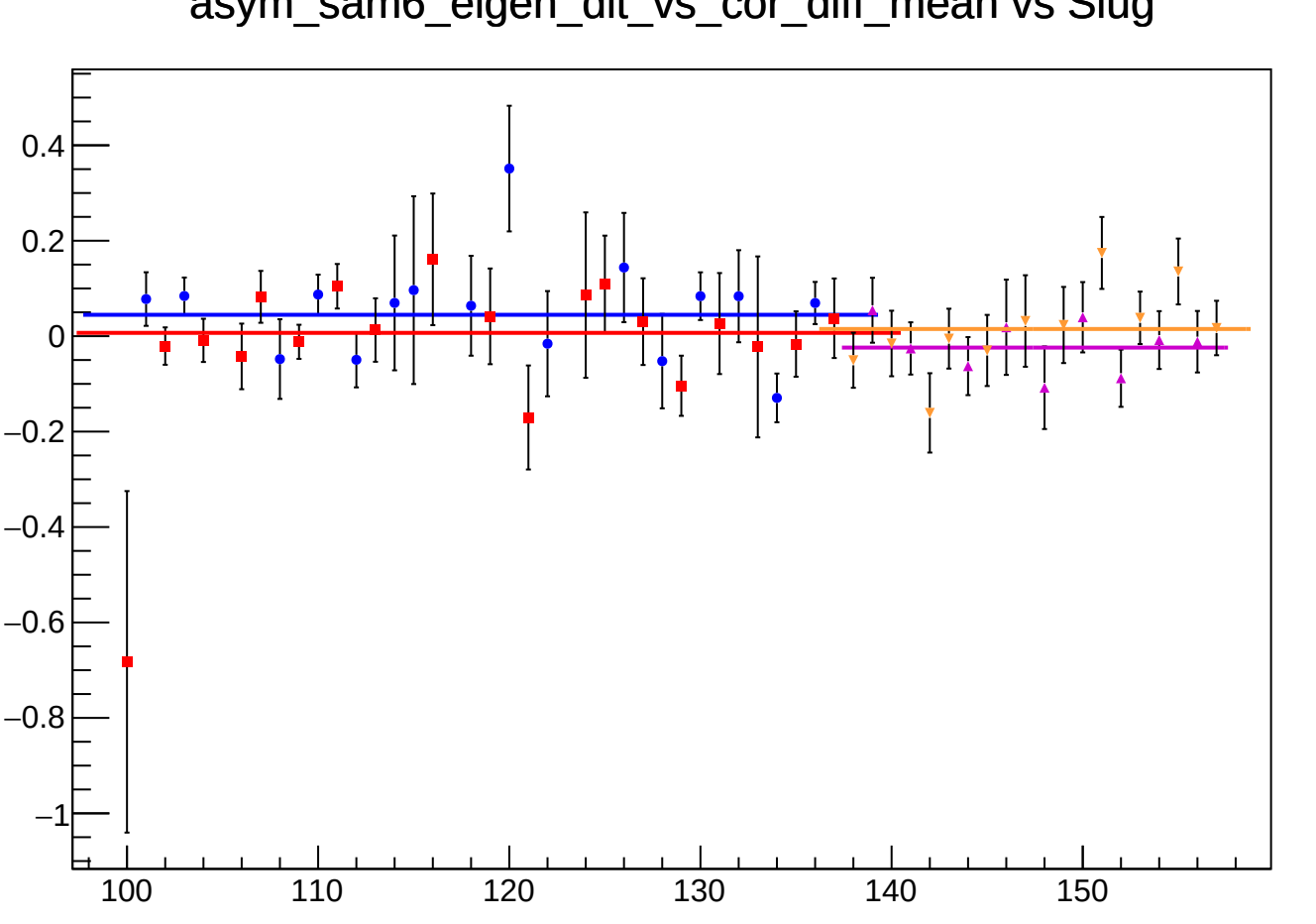
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:766523.2/8

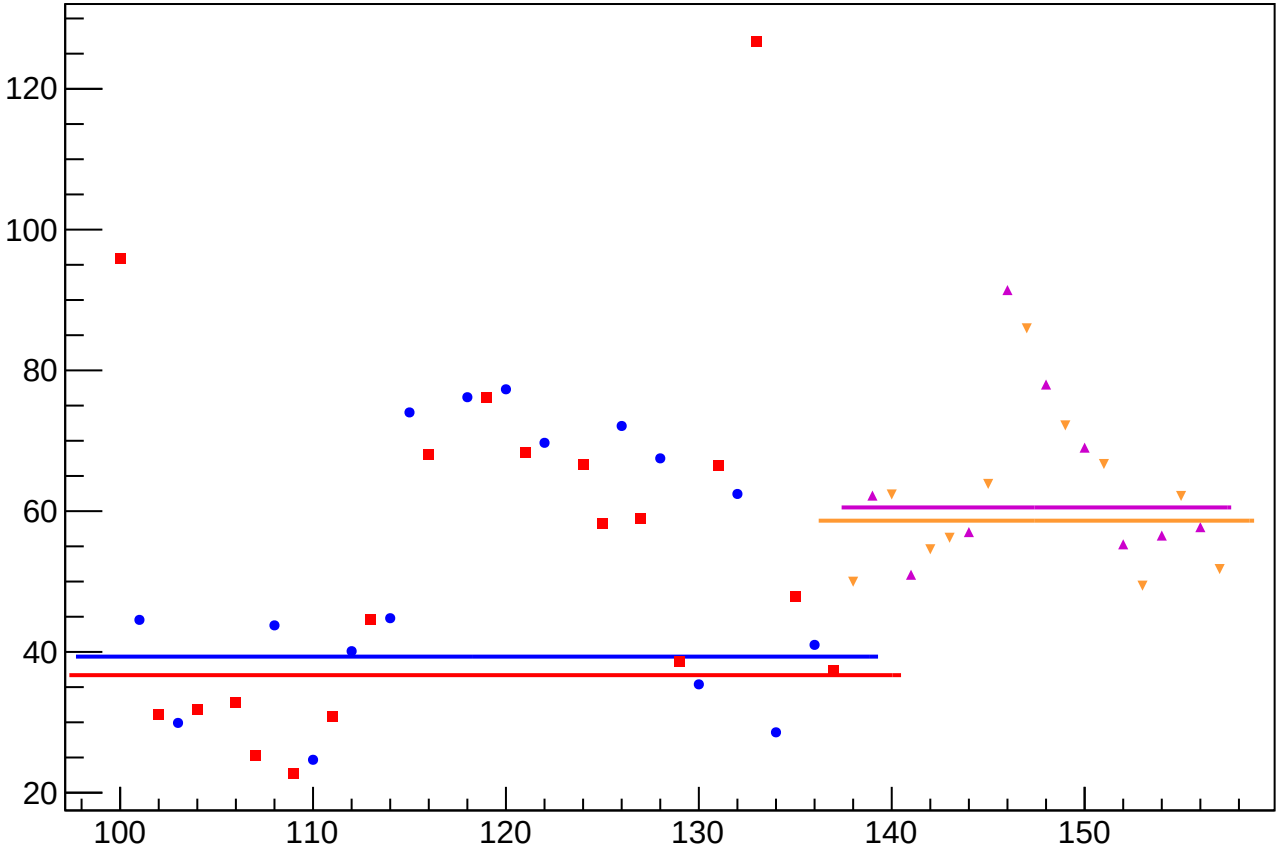
+ sign 0.002+/-0.000 χ^2/NDF: 4242951.4/26

All: 0.002+/-0.000 χ^2/NDF: 8232262.6/54

- sign 0.002+/-0.000 χ^2/NDF: 3948265.2/27


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.020 χ²/NDF:14.2/10
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.024+/-0.022 χ²/NDF:4.9/8
+ sign 0.033+/-0.013 χ²/NDF: 42.1/26
All: 0.015+/-0.009 χ²/NDF: 72.6/54
- sign -0.003+/-0.012 χ²/NDF: 26.3/27

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

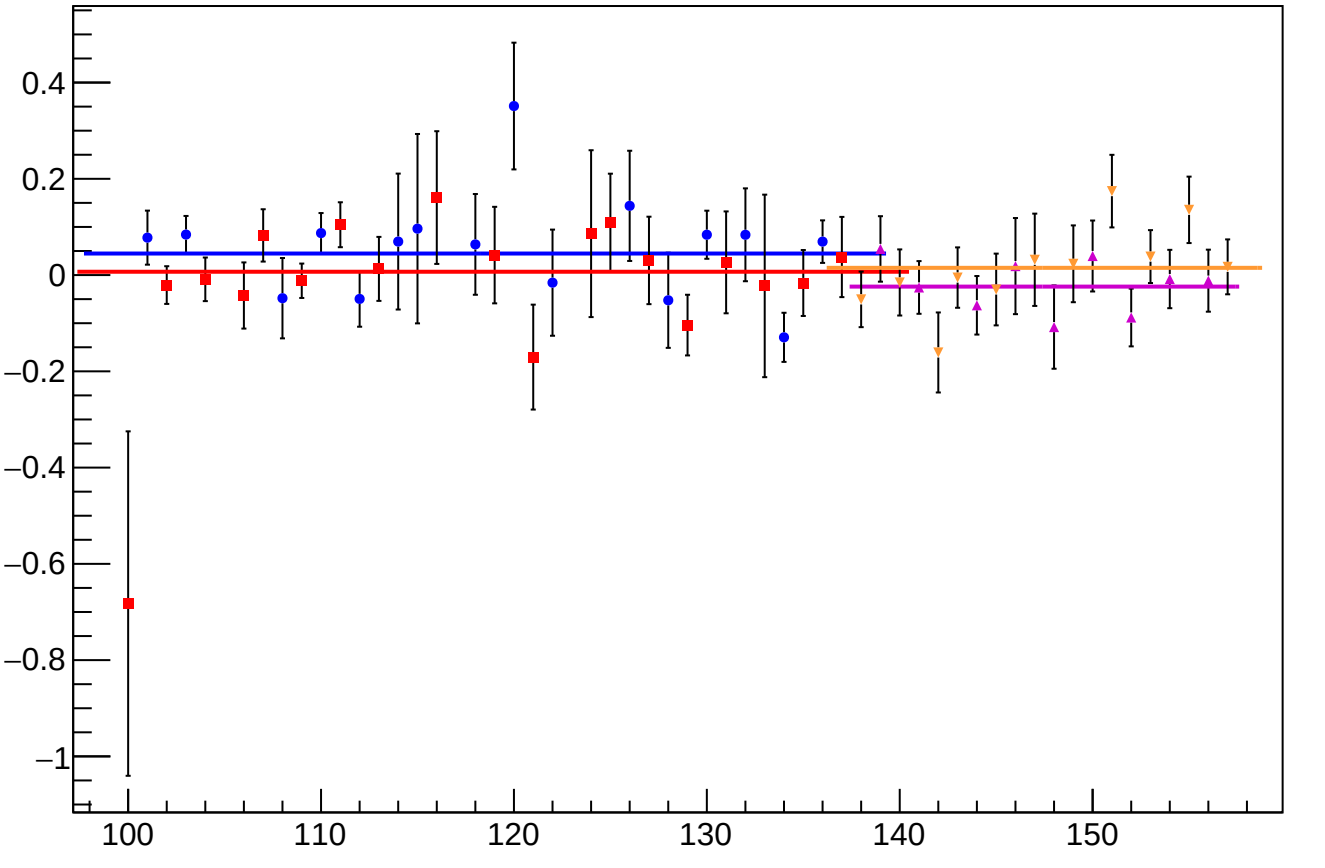
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

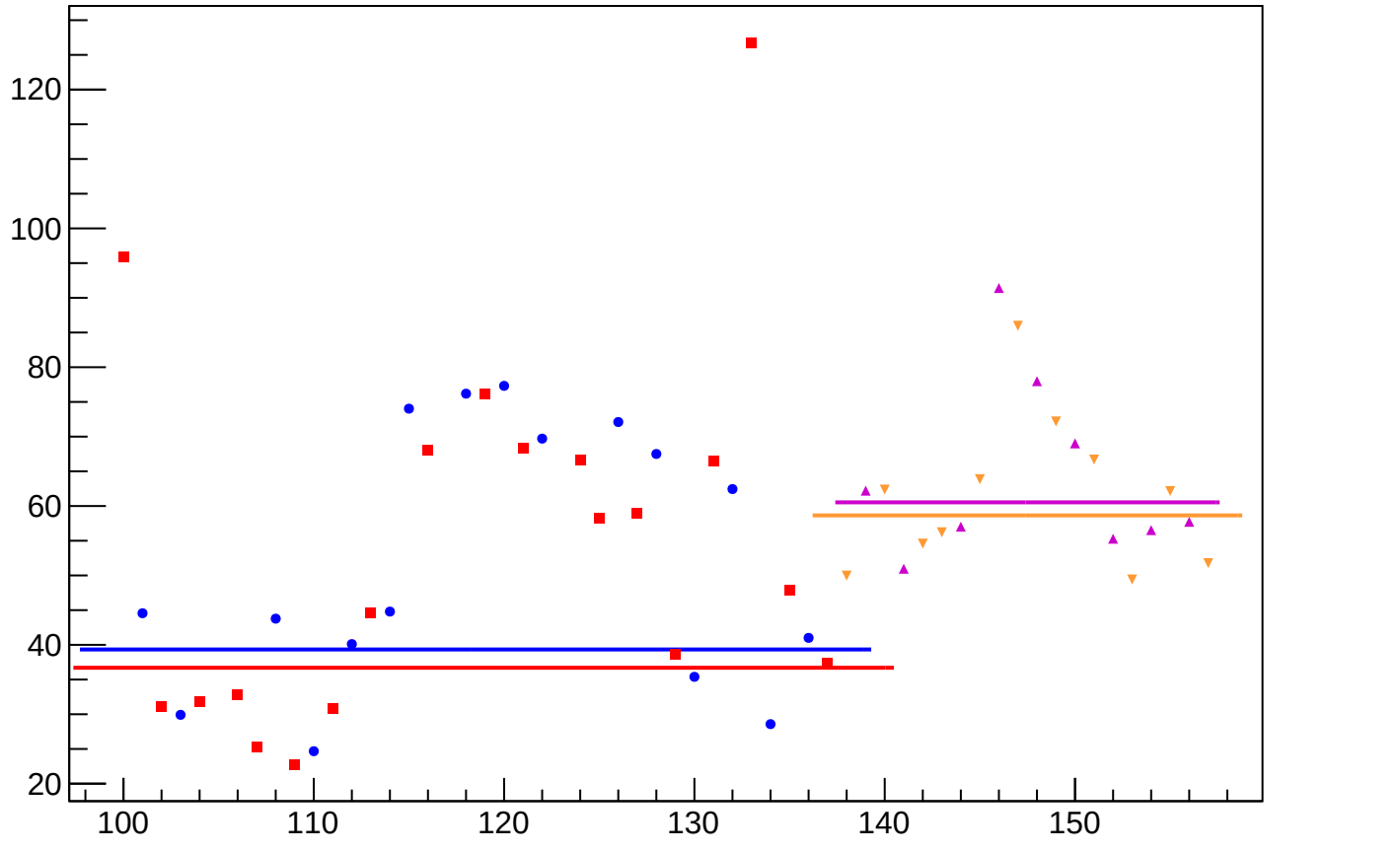
Left In: 60.530+/-0.016 χ^2/NDF:395874.1/8

+ sign 46.660+/-0.009 χ^2/NDF: 3071181.2/26

All: 45.440+/-0.006 χ^2/NDF: 7175575.9/54

- sign 44.244+/-0.009 χ^2/NDF: 4067356.7/27


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: 0.045+/-0.016 χ²/NDF: 26.6/15
Left Out: 0.015+/-0.020 χ²/NDF:14.2/10
Right Out: 0.007+/-0.015 χ²/NDF: 20.2/18
Left In: -0.024+/-0.022 χ²/NDF:4.9/8
+ sign 0.033+/-0.013 χ²/NDF: 42.1/26
All: 0.015+/-0.009 χ²/NDF: 72.6/54
- sign -0.003+/-0.012 χ²/NDF: 26.3/27



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 58.649+/-0.014 χ^2/NDF:402073.8/10

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

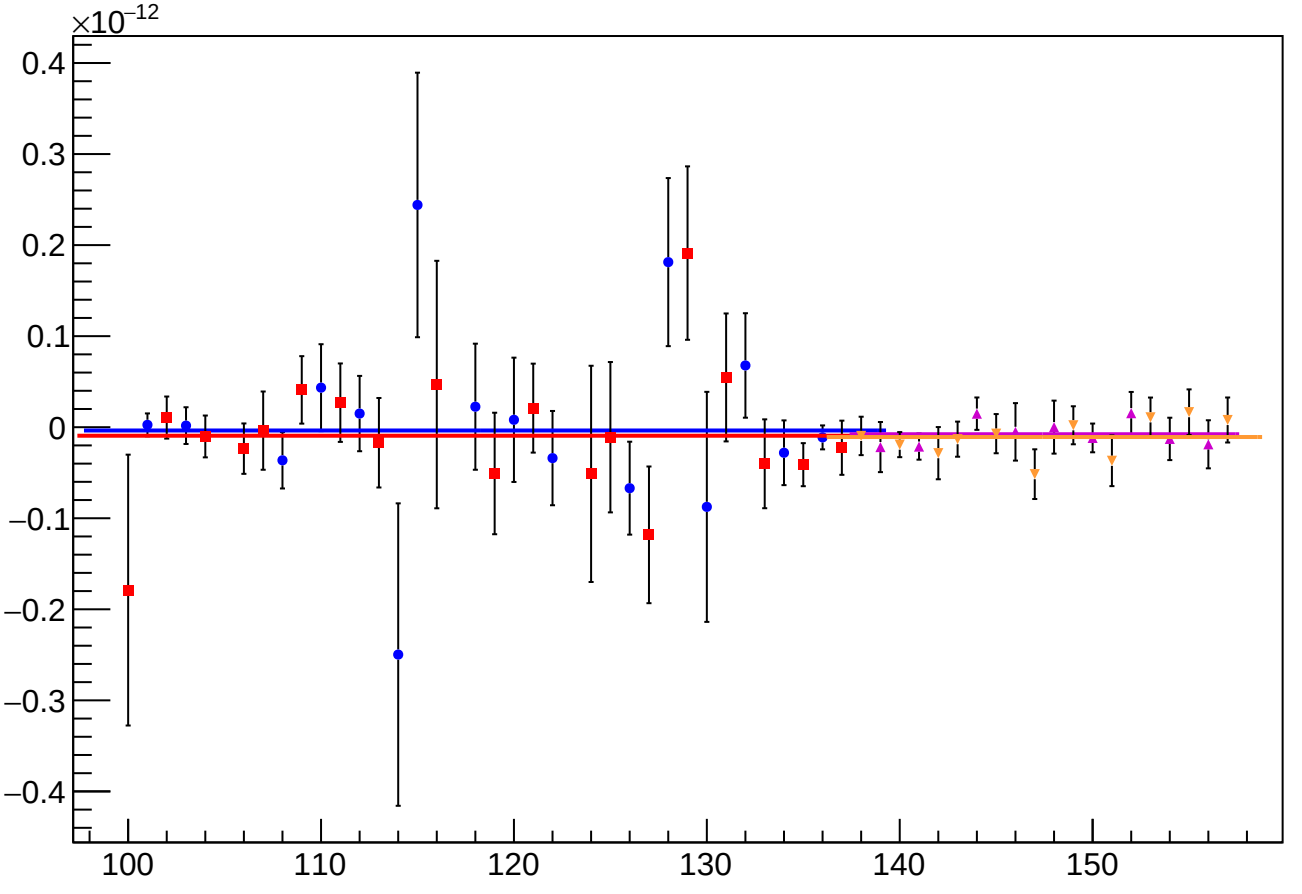
Left In: 60.530+/-0.016 χ^2/NDF:395874.1/8

+ sign 46.660+/-0.009 χ^2/NDF: 3071181.2/26

All: 45.440+/-0.006 χ^2/NDF: 7175575.9/54

- sign 44.244+/-0.009 χ^2/NDF: 4067356.7/27

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

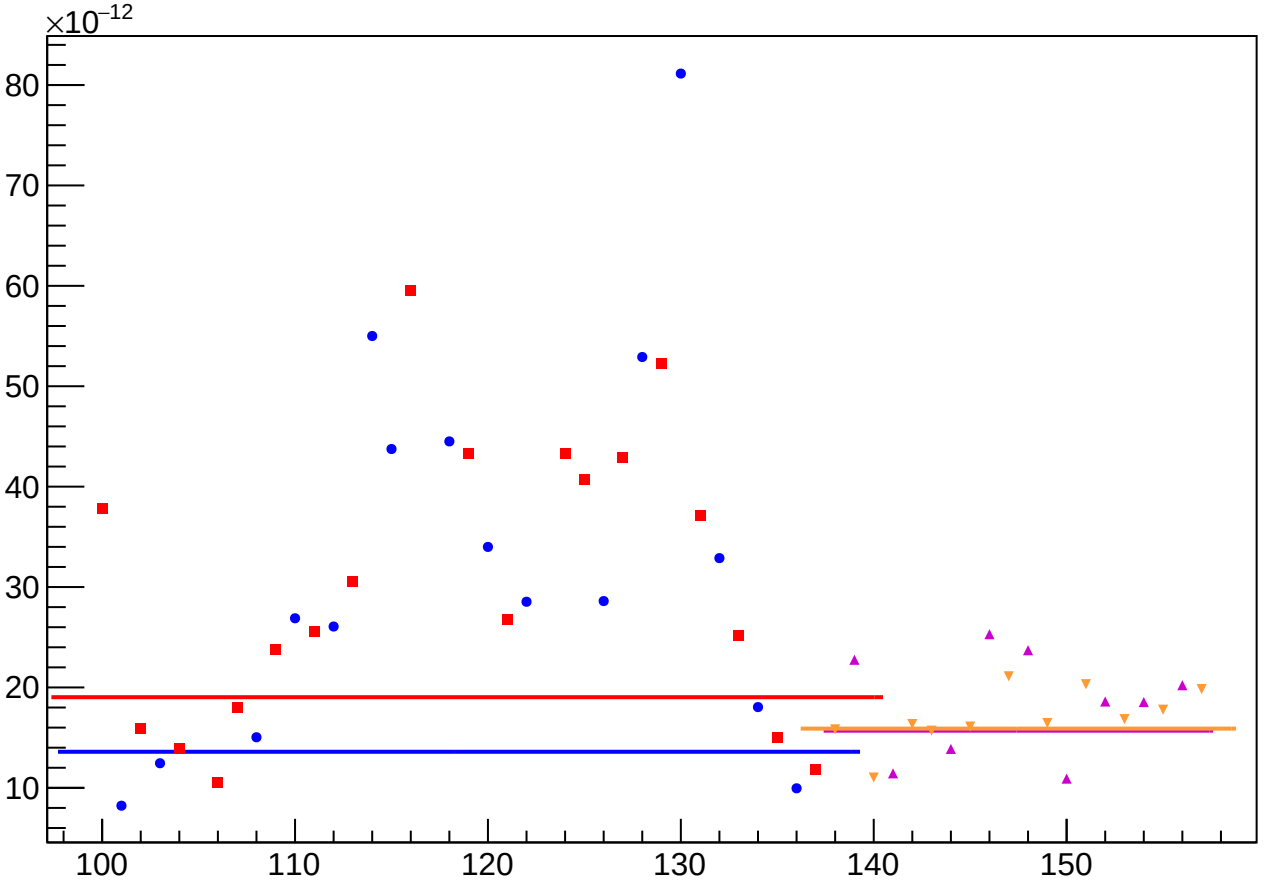
Left In: -0.000+/-0.000 χ^2/NDF:4.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/26

All: -0.000+/-0.000 χ^2/NDF: 44.1/54

- sign -0.000+/-0.000 χ^2/NDF: 19.9/27

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:441667.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

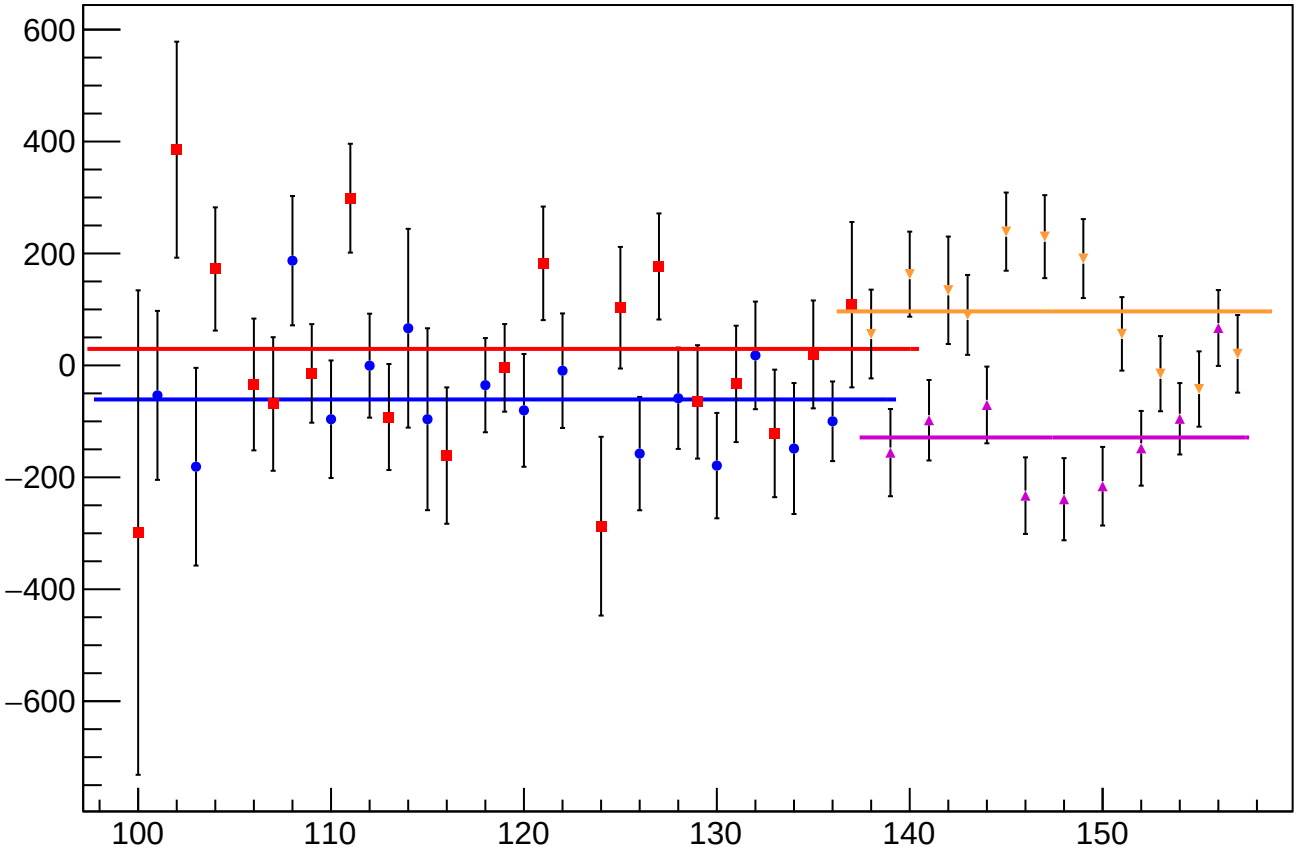
Left In: 0.000+/-0.000 χ^2/NDF:967615.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 3742034.0/26

All: 0.000+/-0.000 χ^2/NDF: 7085486.1/54

- sign 0.000+/-0.000 χ^2/NDF: 3186506.7/27

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.500+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

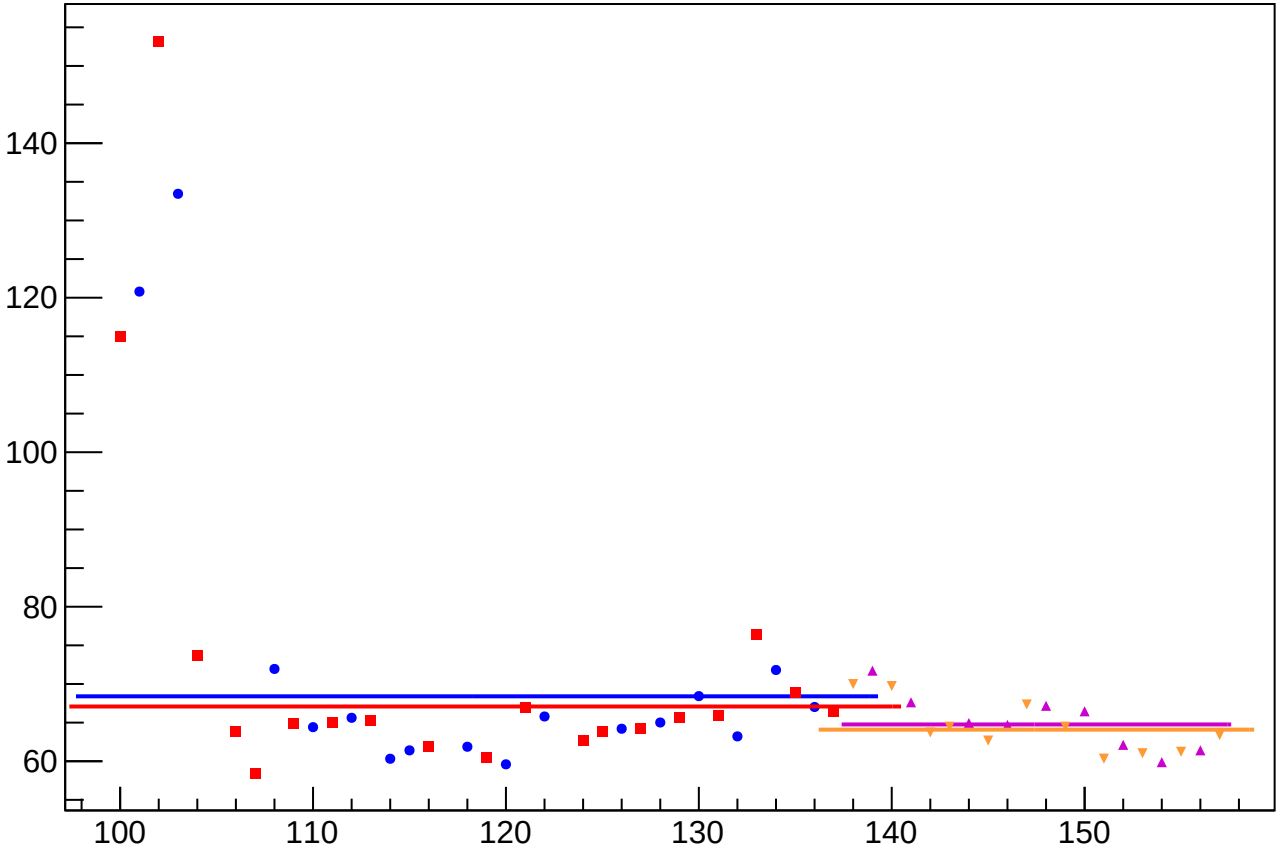
Left In: -128.788+/-23.184 χ^2/NDF:15.8/8

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -11.270+/-11.929 χ^2/NDF: 133.0/54

- sign -55.954+/-17.032 χ^2/NDF: 68.5/27

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

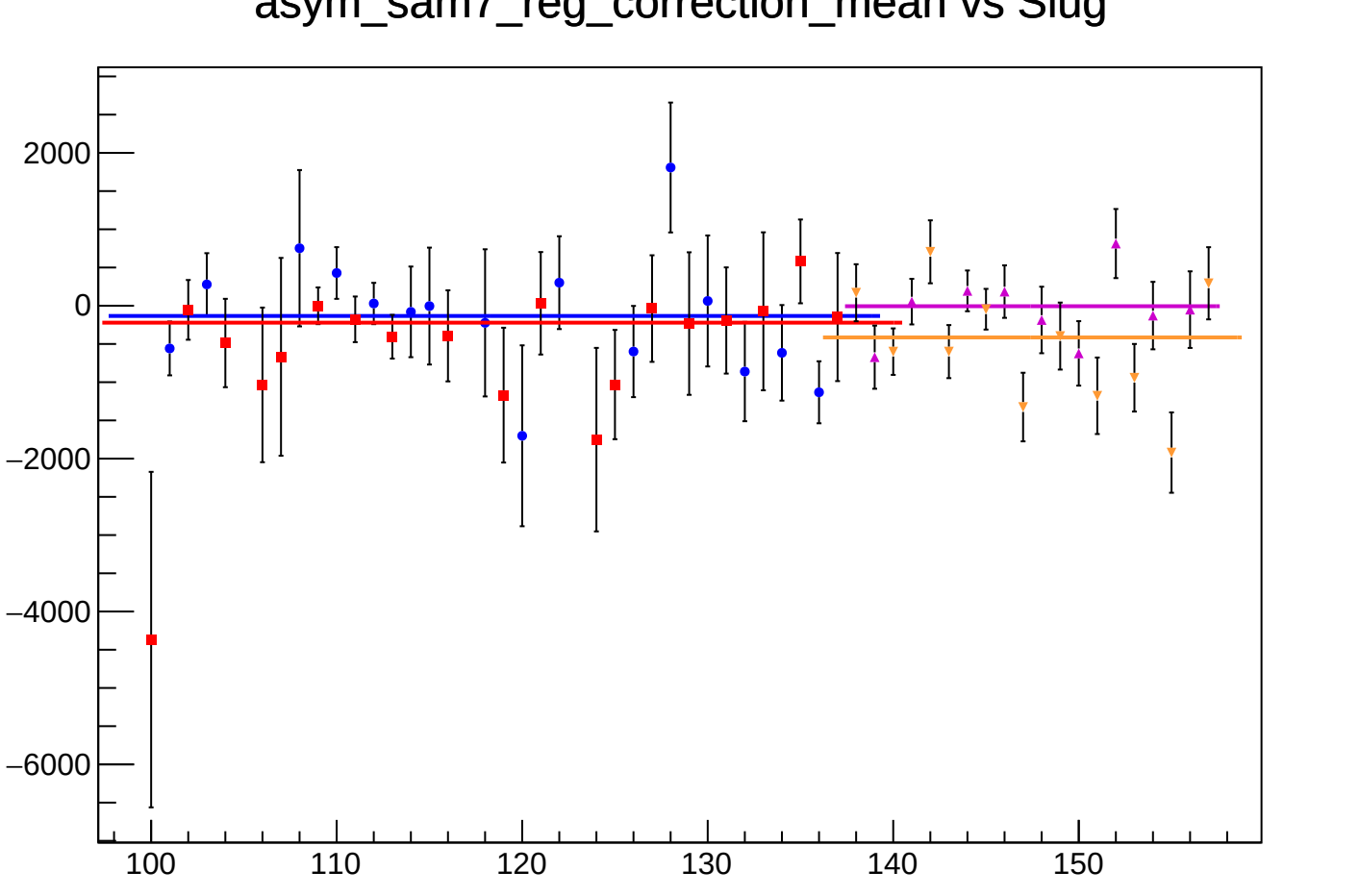
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.762+/-0.016 χ^2/NDF:42204.2/8

+ sign 65.865+/-0.012 χ^2/NDF: 643244.4/26

All: 65.848+/-0.008 χ^2/NDF: 1176514.9/54

- sign 65.832+/-0.012 χ^2/NDF: 533266.6/27



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.423+/-116.483 χ^2/NDF:30.8/10

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

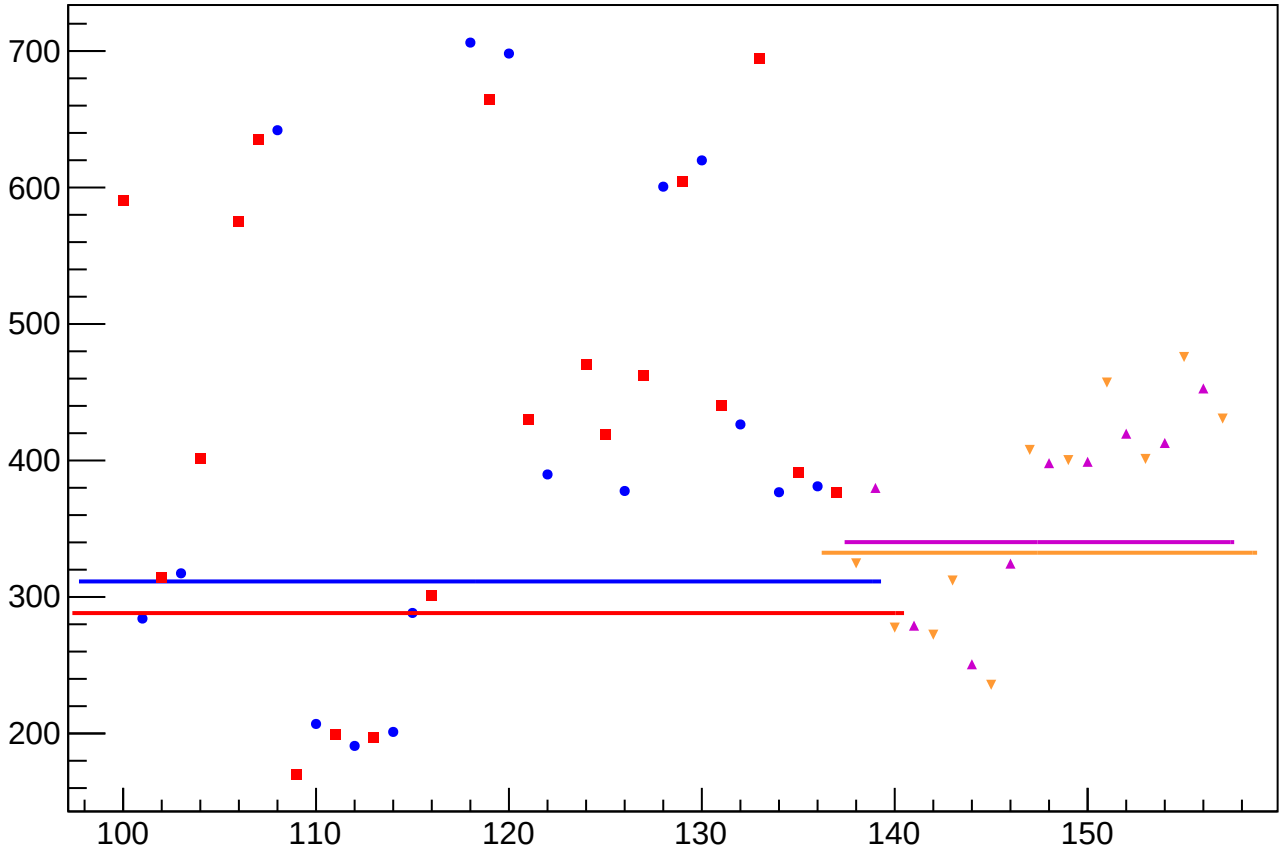
Left In: -6.200+/-124.445 χ^2/NDF:9.2/8

+ sign -284.904+/-85.503 χ^2/NDF: 55.9/26

All: -202.328+/-60.474 χ^2/NDF: 81.1/54

- sign -119.674+/-85.543 χ^2/NDF: 23.3/27

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 332.420+/-0.082 χ^2/NDF:891947.2/10

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

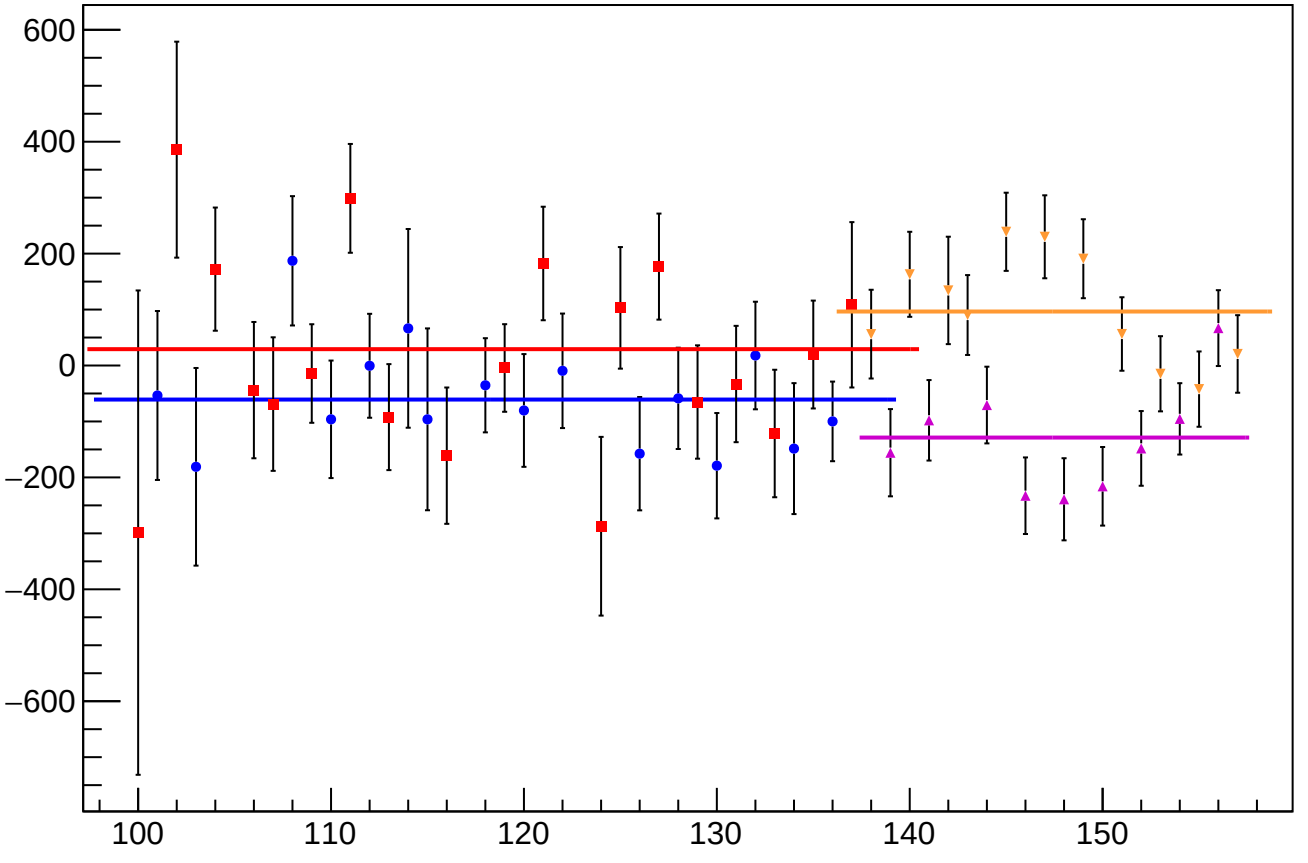
Left In: 340.193+/-0.088 χ^2/NDF:623503.4/8

+ sign 322.719+/-0.060 χ^2/NDF: 3045819.7/26

All: 317.747+/-0.043 χ^2/NDF: 6582351.6/54

- sign 312.770+/-0.060 χ^2/NDF: 3522998.4/27

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

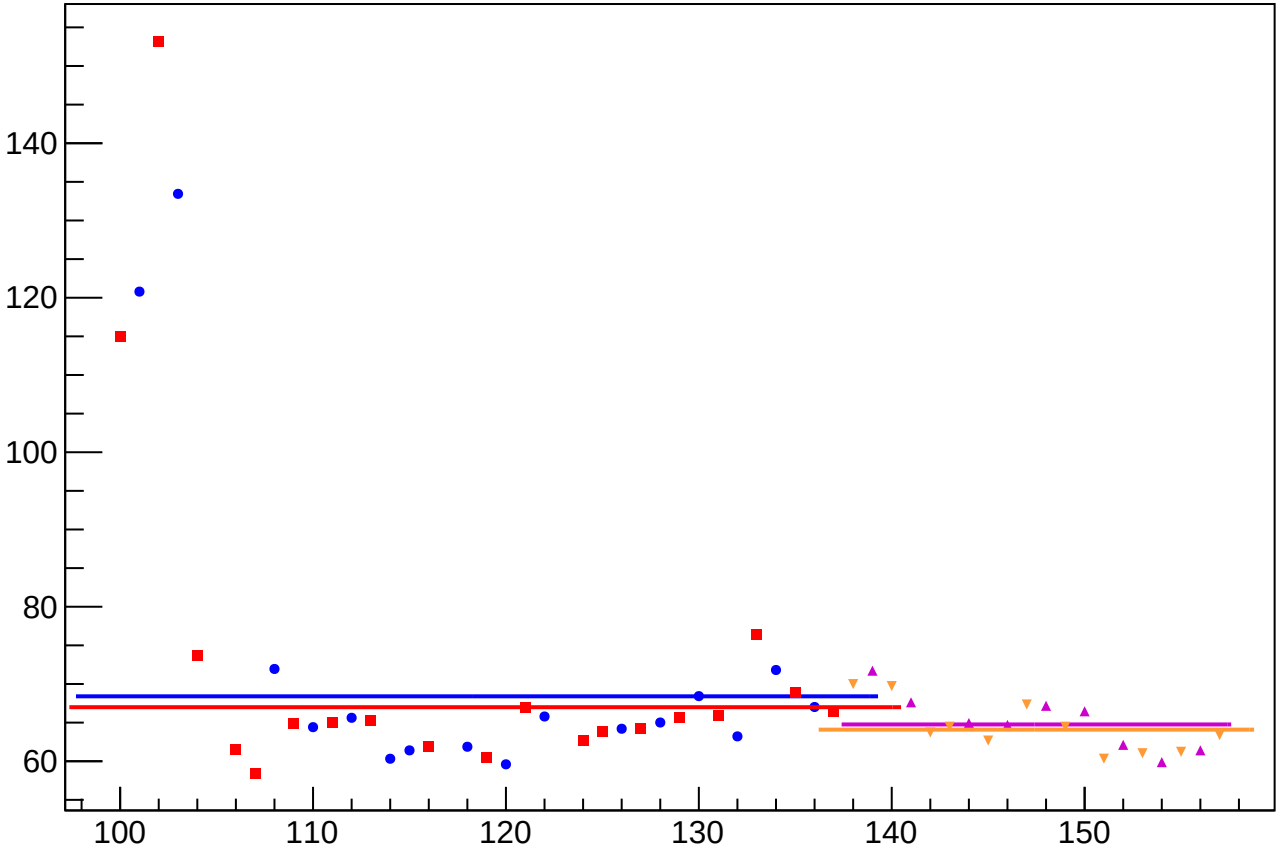
Left In: -128.788+/-23.184 χ^2/NDF:15.8/8

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -11.349+/-11.933 χ^2/NDF: 133.0/54

- sign -56.179+/-17.044 χ^2/NDF: 68.4/27

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

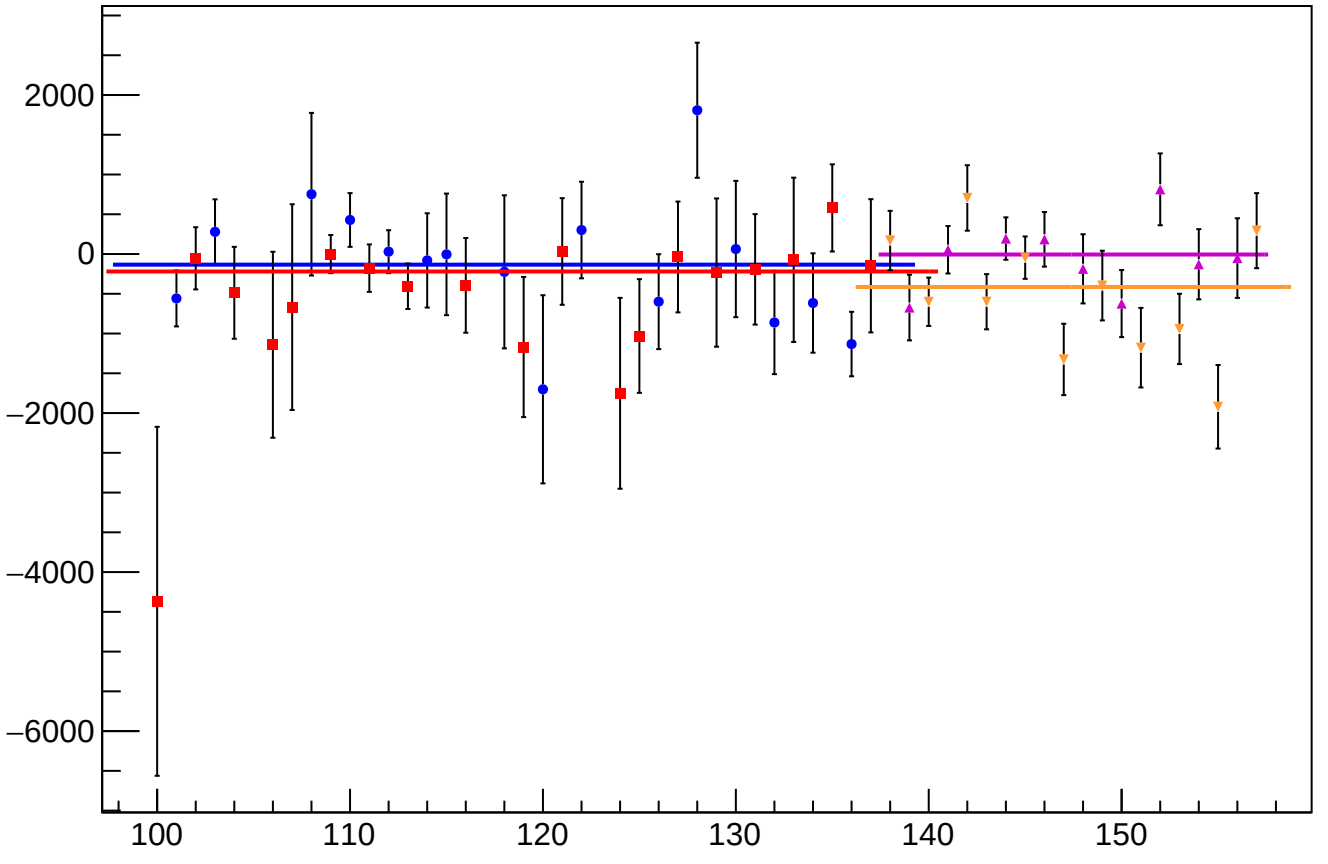
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.762+/-0.016 χ^2/NDF:42204.2/8

+ sign 65.865+/-0.012 χ^2/NDF: 643244.8/26

All: 65.827+/-0.008 χ^2/NDF: 1178479.8/54

- sign 65.788+/-0.012 χ^2/NDF: 535214.4/27



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

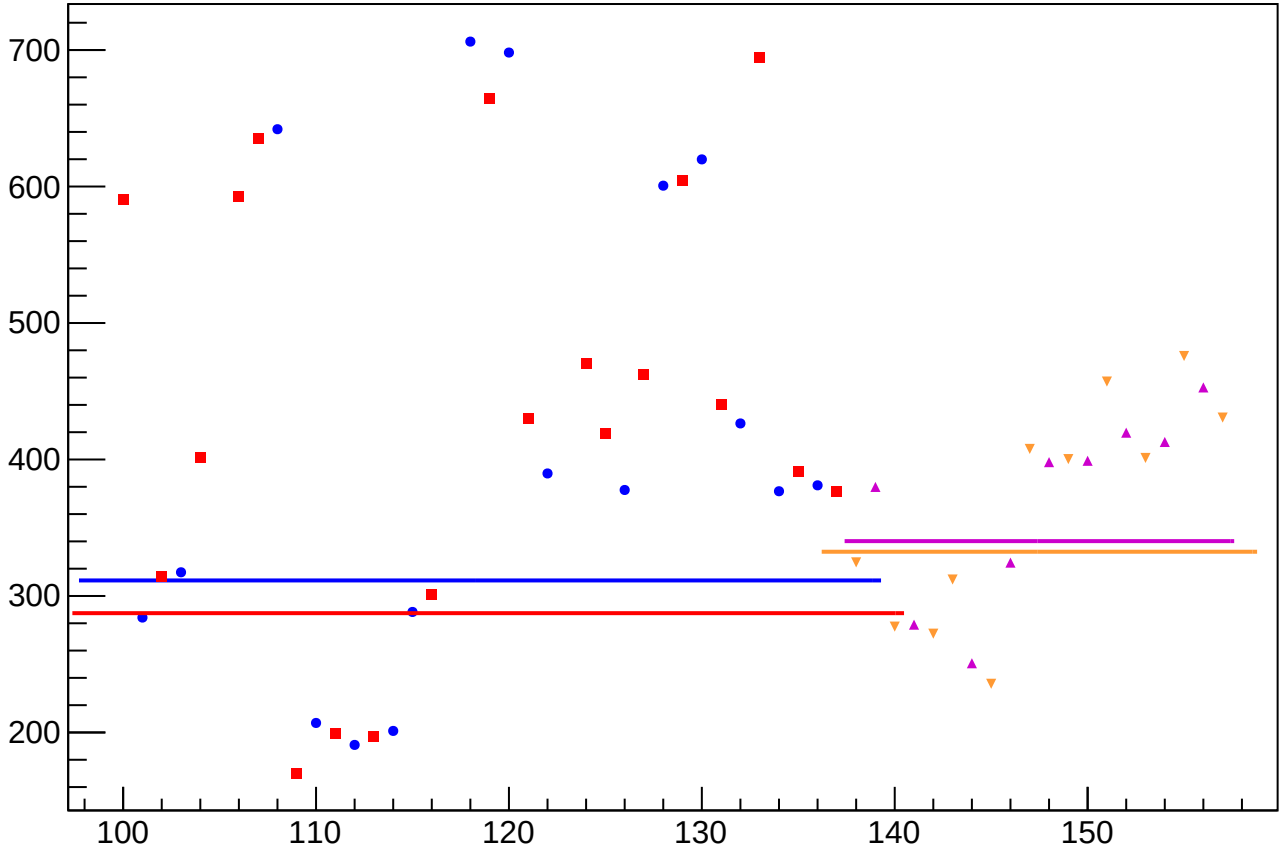
Left In: -6.197+/-124.445 χ^2/NDF:9.2/8

+ sign -284.902+/-85.503 χ^2/NDF: 55.9/26

All: -201.860+/-60.502 χ^2/NDF: 81.1/54

- sign -118.585+/-85.622 χ^2/NDF: 23.3/27

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

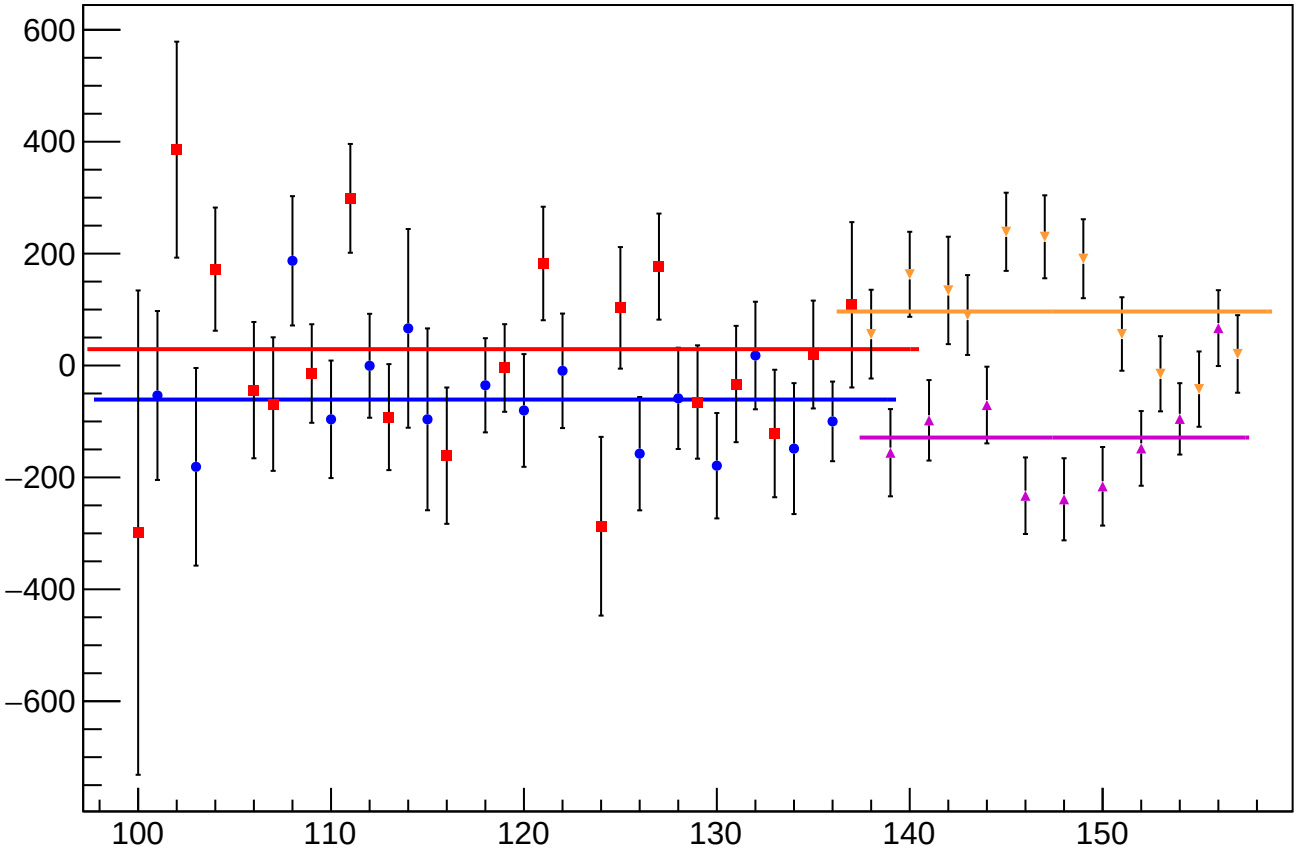
Left In: 340.193+/-0.088 χ^2/NDF:623500.7/8

+ sign 322.720+/-0.060 χ^2/NDF: 3045820.3/26

All: 317.566+/-0.043 χ^2/NDF: 6563582.6/54

- sign 312.399+/-0.061 χ^2/NDF: 3503210.9/27

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 96.501+/-21.786 χ^2/NDF:18.9/10

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

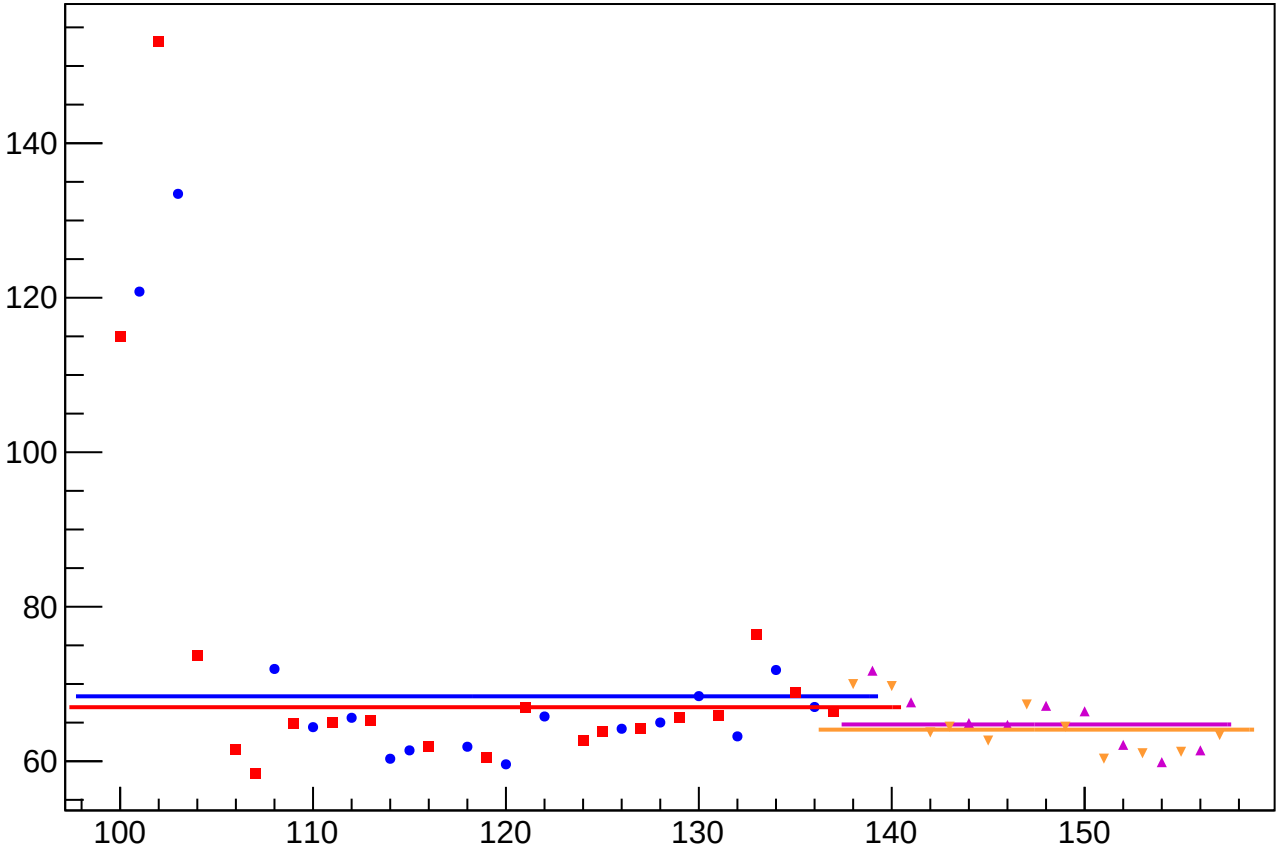
Left In: -128.788+/-23.184 χ^2/NDF:15.8/8

+ sign 31.754+/-16.713 χ^2/NDF: 51.0/26

All: -11.349+/-11.933 χ^2/NDF: 133.0/54

- sign -56.179+/-17.044 χ^2/NDF: 68.4/27

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.090+/-0.015 χ^2/NDF:41420.6/10

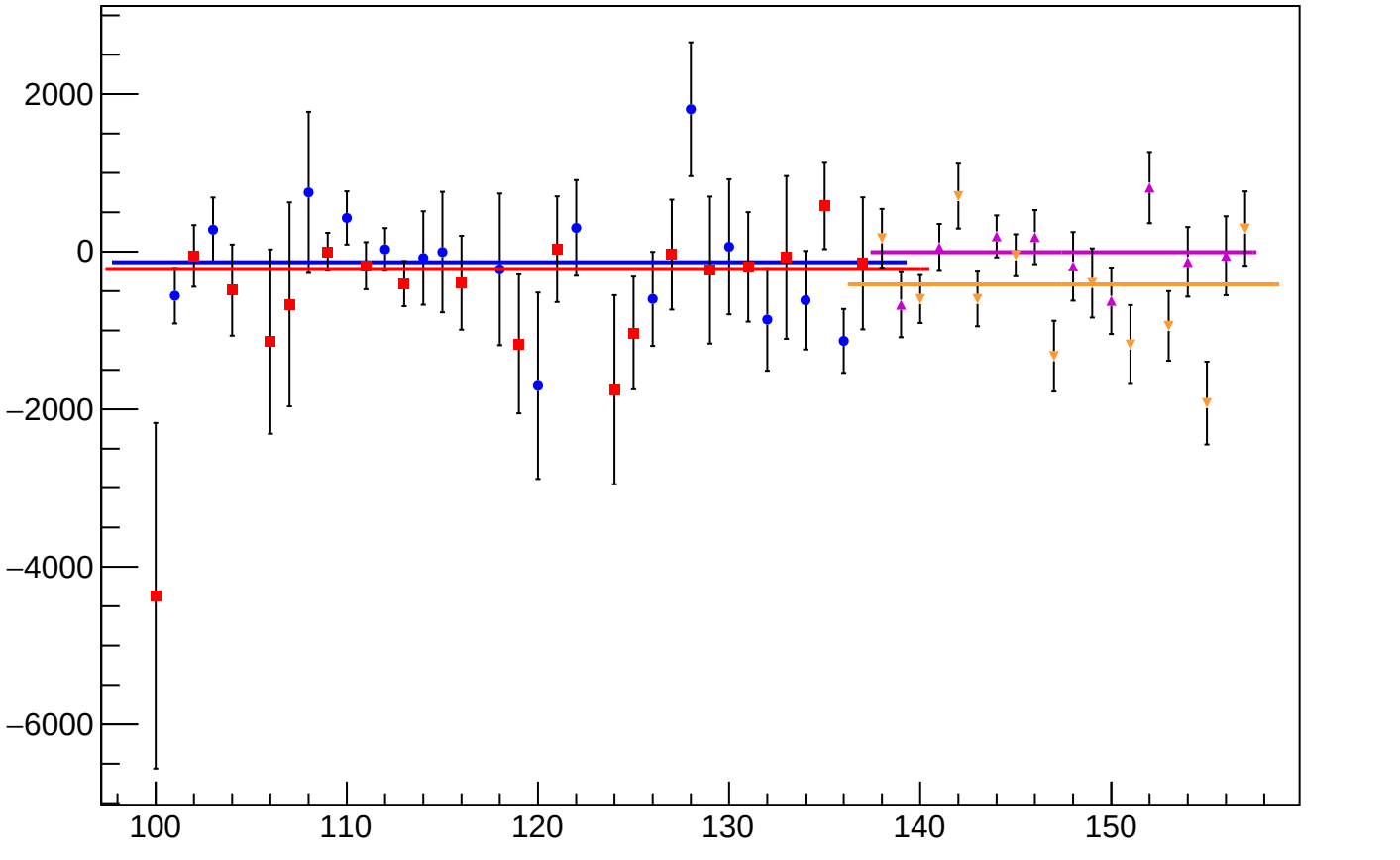
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.762+/-0.016 χ^2/NDF:42204.2/8

+ sign 65.865+/-0.012 χ^2/NDF: 643244.8/26

All: 65.827+/-0.008 χ^2/NDF: 1178479.8/54

- sign 65.788+/-0.012 χ^2/NDF: 535214.4/27



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -414.420+/-116.483 χ^2/NDF:30.8/10

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

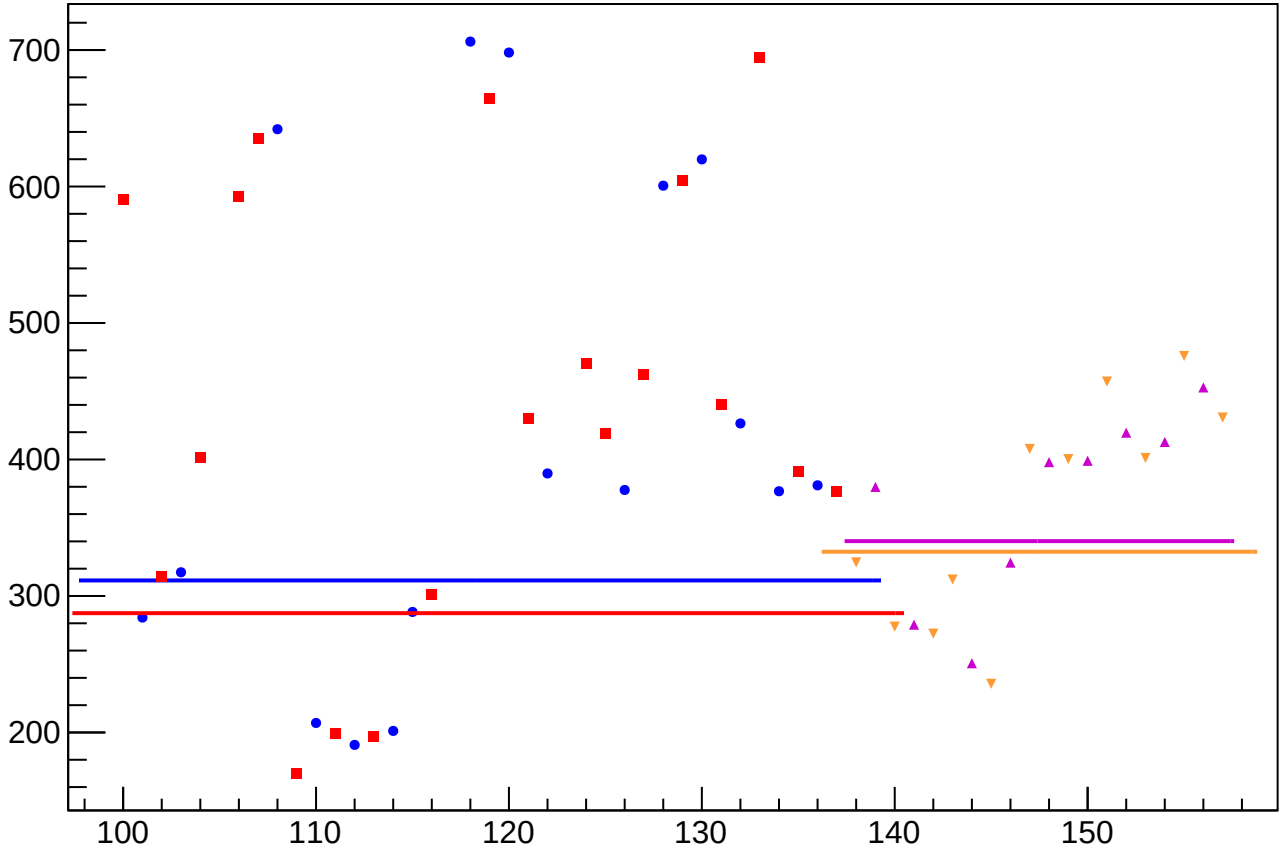
Left In: -6.197+/-124.445 χ^2/NDF:9.2/8

+ sign -284.902+/-85.503 χ^2/NDF: 55.9/26

All: -201.860+/-60.502 χ^2/NDF: 81.1/54

- sign -118.585+/-85.622 χ^2/NDF: 23.3/27

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 332.419+/-0.082 χ^2/NDF:891952.5/10

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

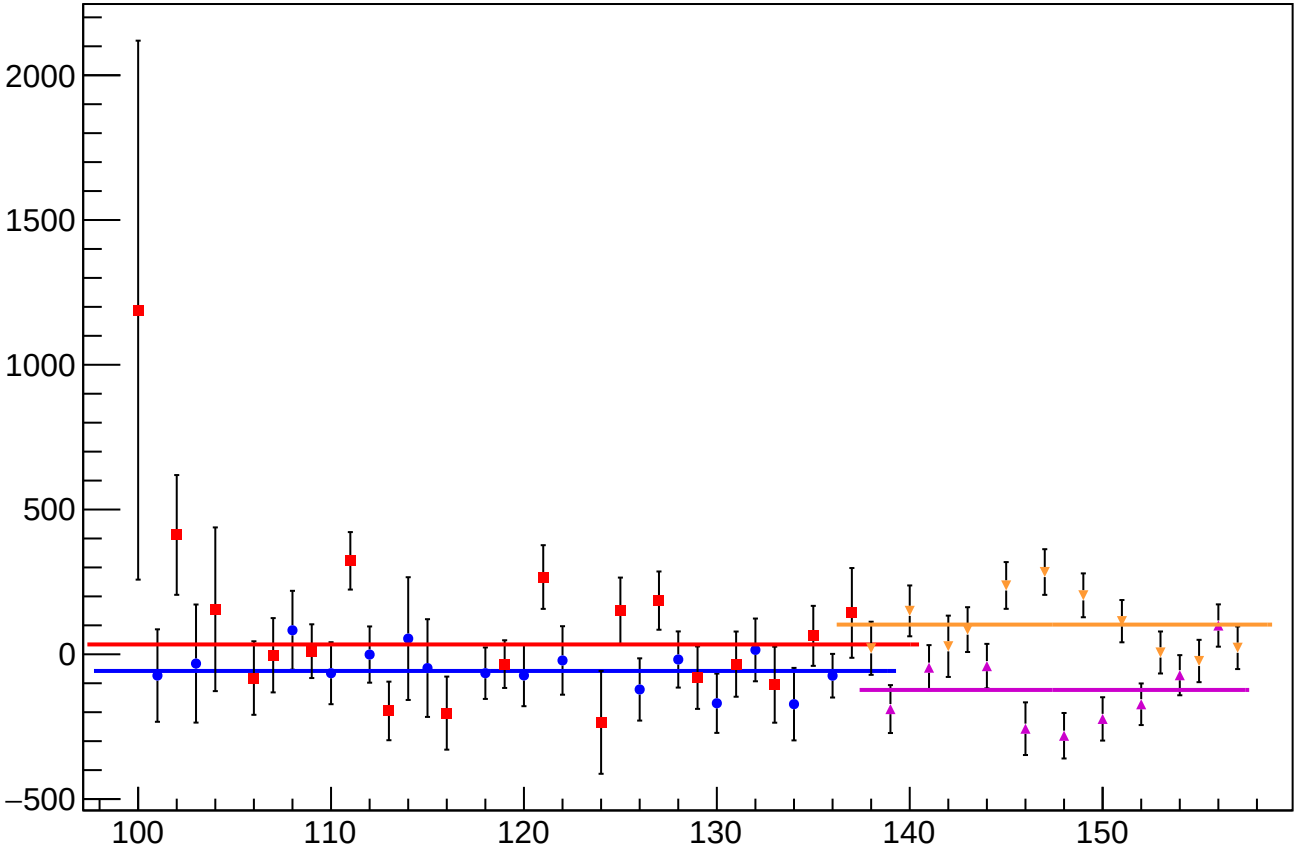
Left In: 340.193+/-0.088 χ^2/NDF:623500.7/8

+ sign 322.720+/-0.060 χ^2/NDF: 3045820.3/26

All: 317.566+/-0.043 χ^2/NDF: 6563582.6/54

- sign 312.399+/-0.061 χ^2/NDF: 3503210.9/27

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

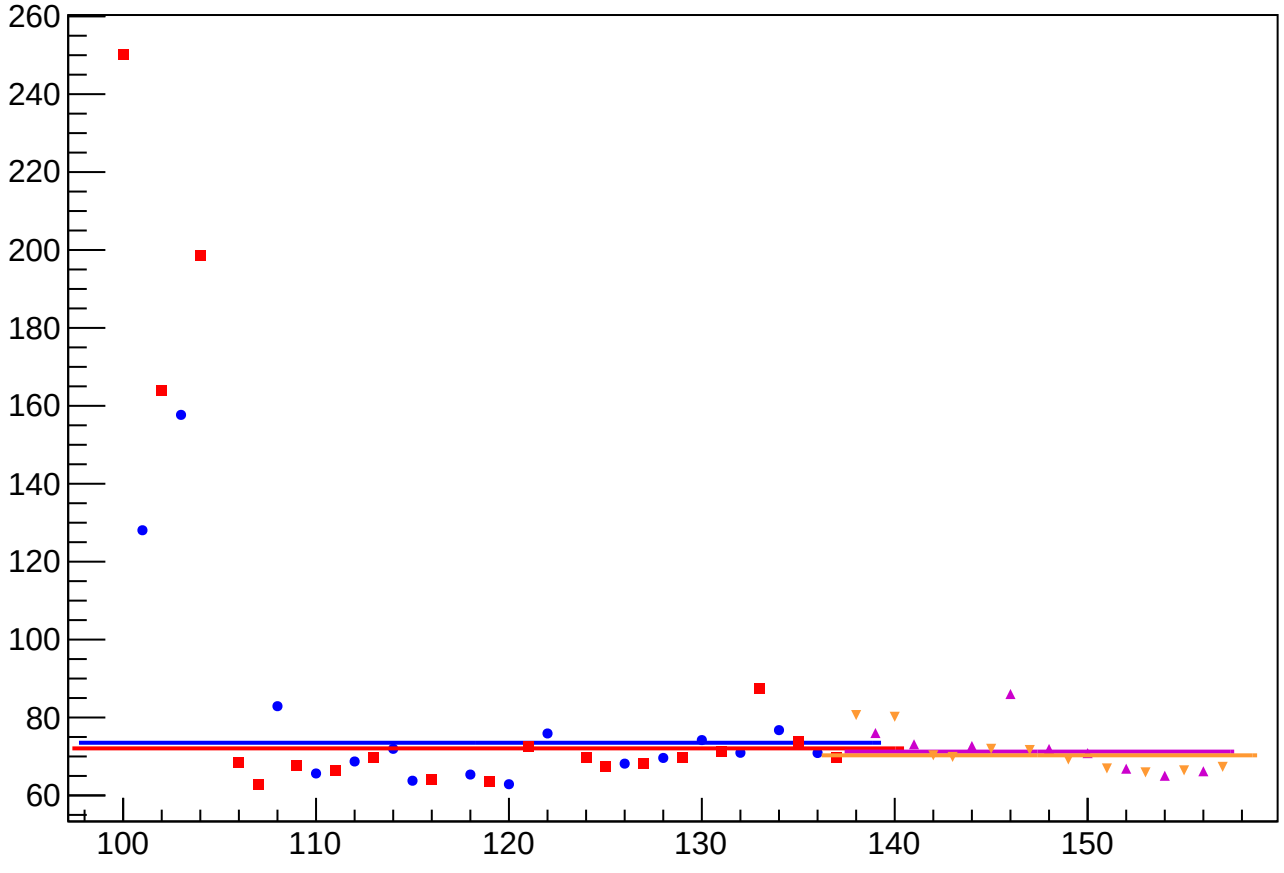
Left In: -123.092+/-25.559 χ^2/NDF:21.1/8

+ sign 35.162+/-18.227 χ^2/NDF: 41.1/26

All: -6.344+/-13.049 χ^2/NDF: 127.6/54

- sign -49.981+/-18.689 χ^2/NDF: 75.8/27

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.6/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

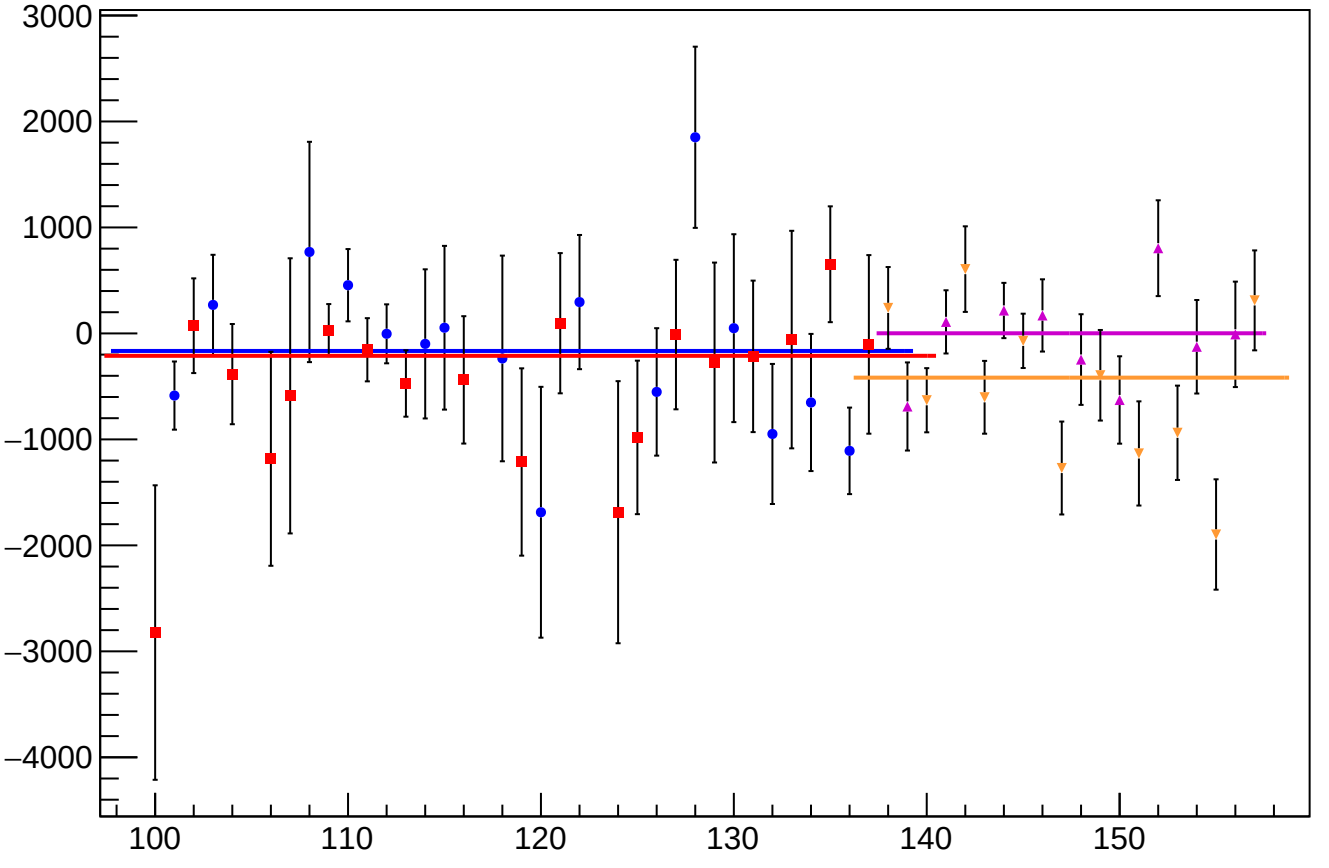
Left In: 71.245+/-0.018 χ^2/NDF:94491.4/8

+ sign 71.651+/-0.013 χ^2/NDF: 745140.8/26

All: 71.641+/-0.009 χ^2/NDF: 1799107.7/54

- sign 71.631+/-0.013 χ^2/NDF: 1053965.6/27

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

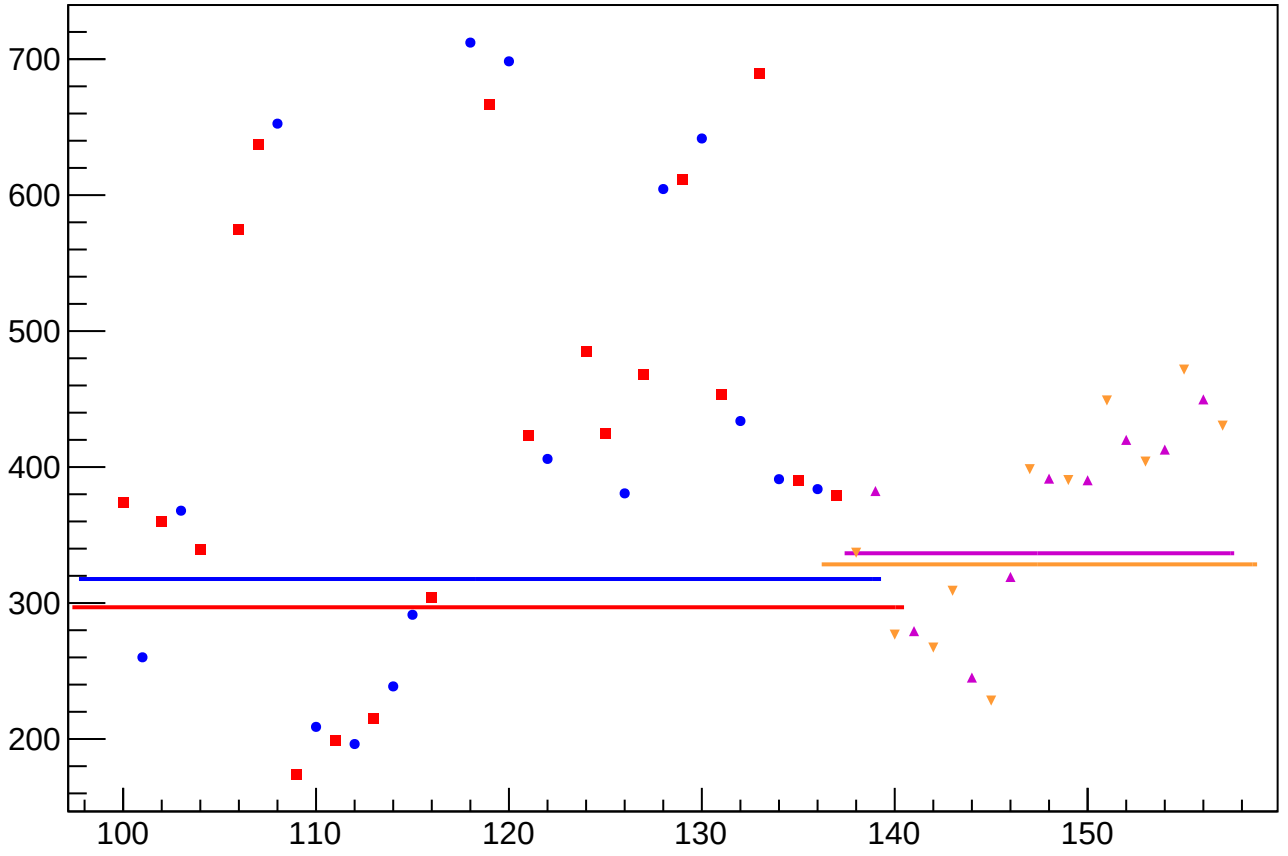
Left In: 1.301+/-123.315 χ^2/NDF:9.7/8

+ sign -305.185+/-85.712 χ^2/NDF: 54.5/26

All: -206.883+/-60.725 χ^2/NDF: 82.0/54

- sign -107.812+/-86.046 χ^2/NDF: 24.9/27

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 328.439+/-0.081 χ^2/NDF:932968.9/10

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

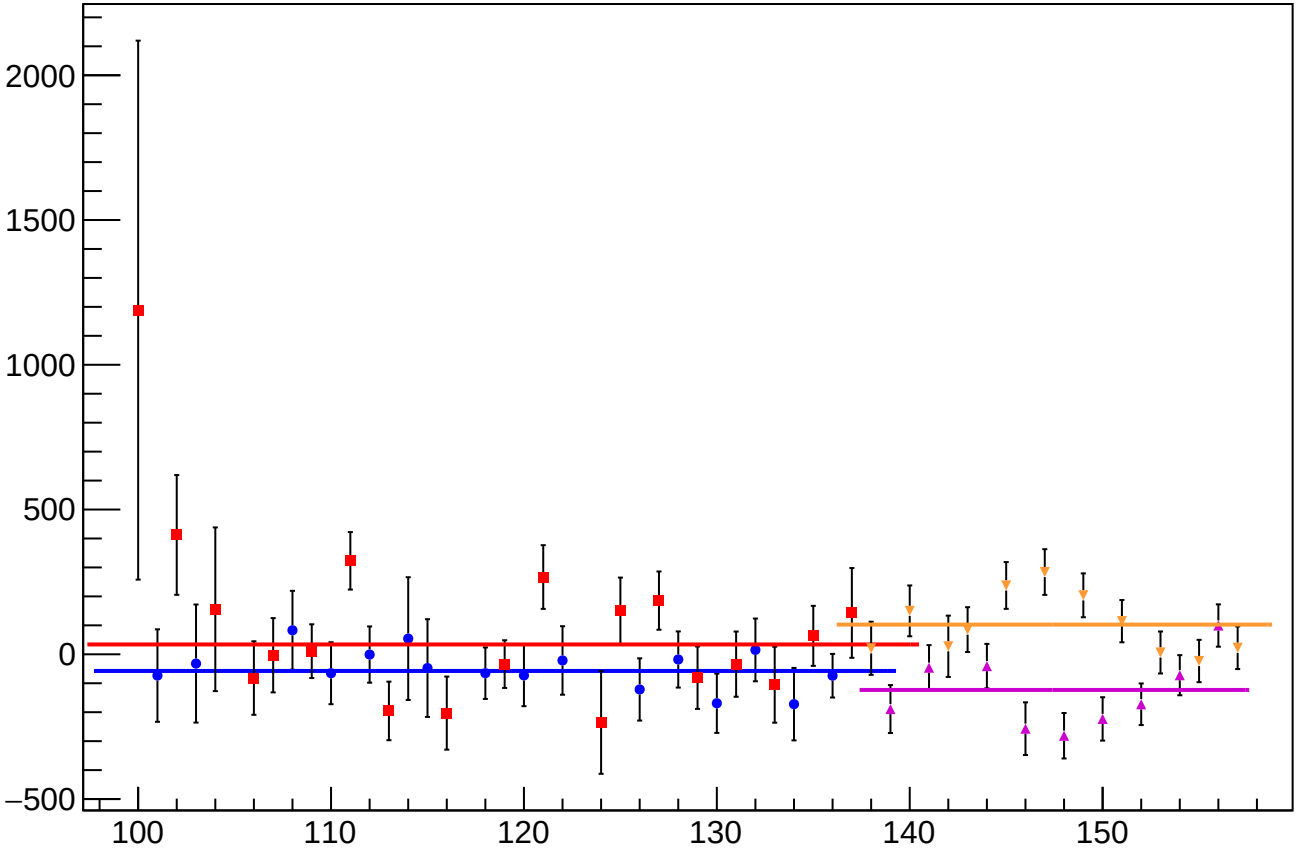
Left In: 336.596+/-0.087 χ^2/NDF:647158.5/8

+ sign 323.640+/-0.061 χ^2/NDF: 3076968.9/26

All: 319.945+/-0.043 χ^2/NDF: 6379036.8/54

- sign 316.221+/-0.061 χ^2/NDF: 3294604.7/27

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 102.605+/-23.958 χ^2/NDF:17.4/10

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

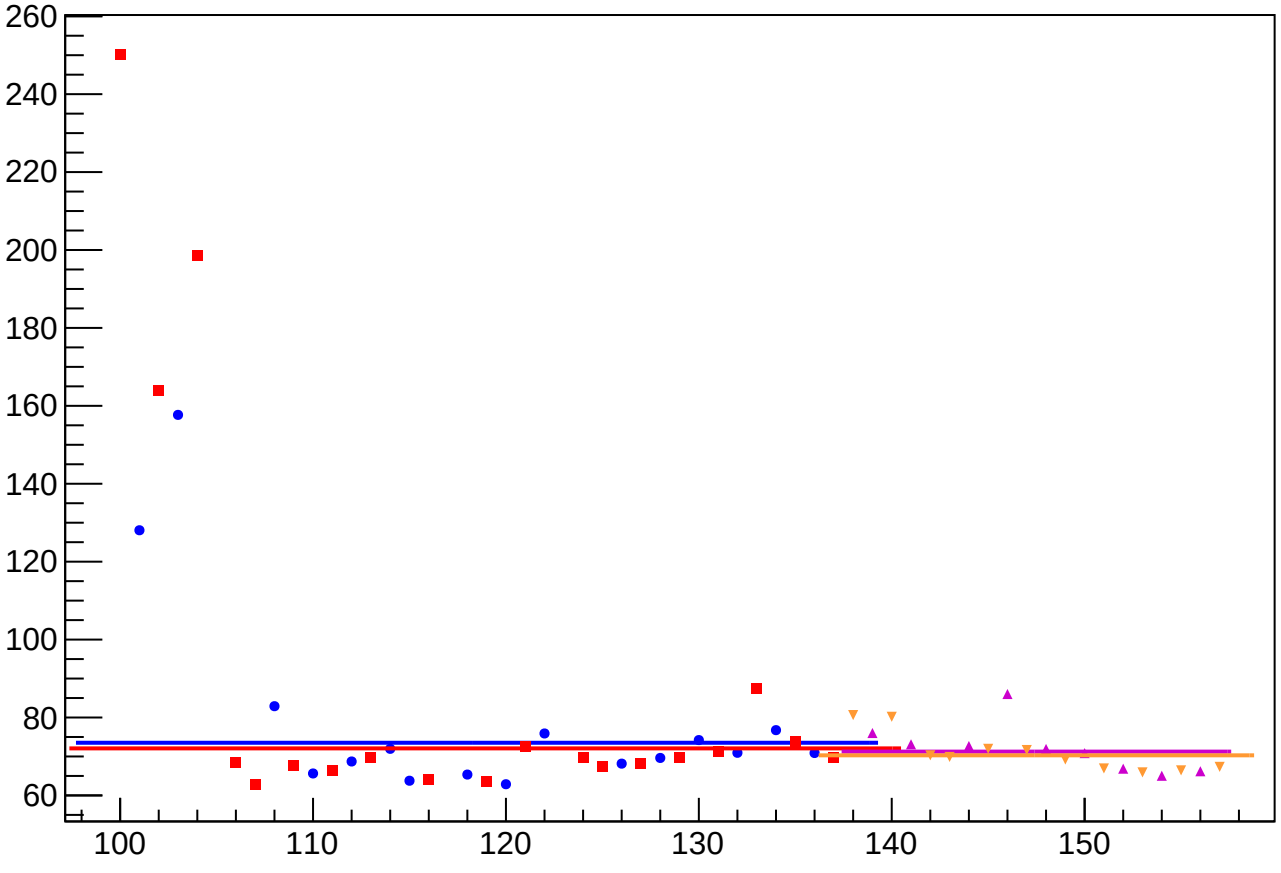
Left In: -123.092+/-25.559 χ^2/NDF:21.1/8

+ sign 35.162+/-18.227 χ^2/NDF: 41.1/26

All: -6.344+/-13.049 χ^2/NDF: 127.6/54

- sign -49.980+/-18.689 χ^2/NDF: 75.8/27

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.292+/-0.017 χ^2/NDF:73014.2/10

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

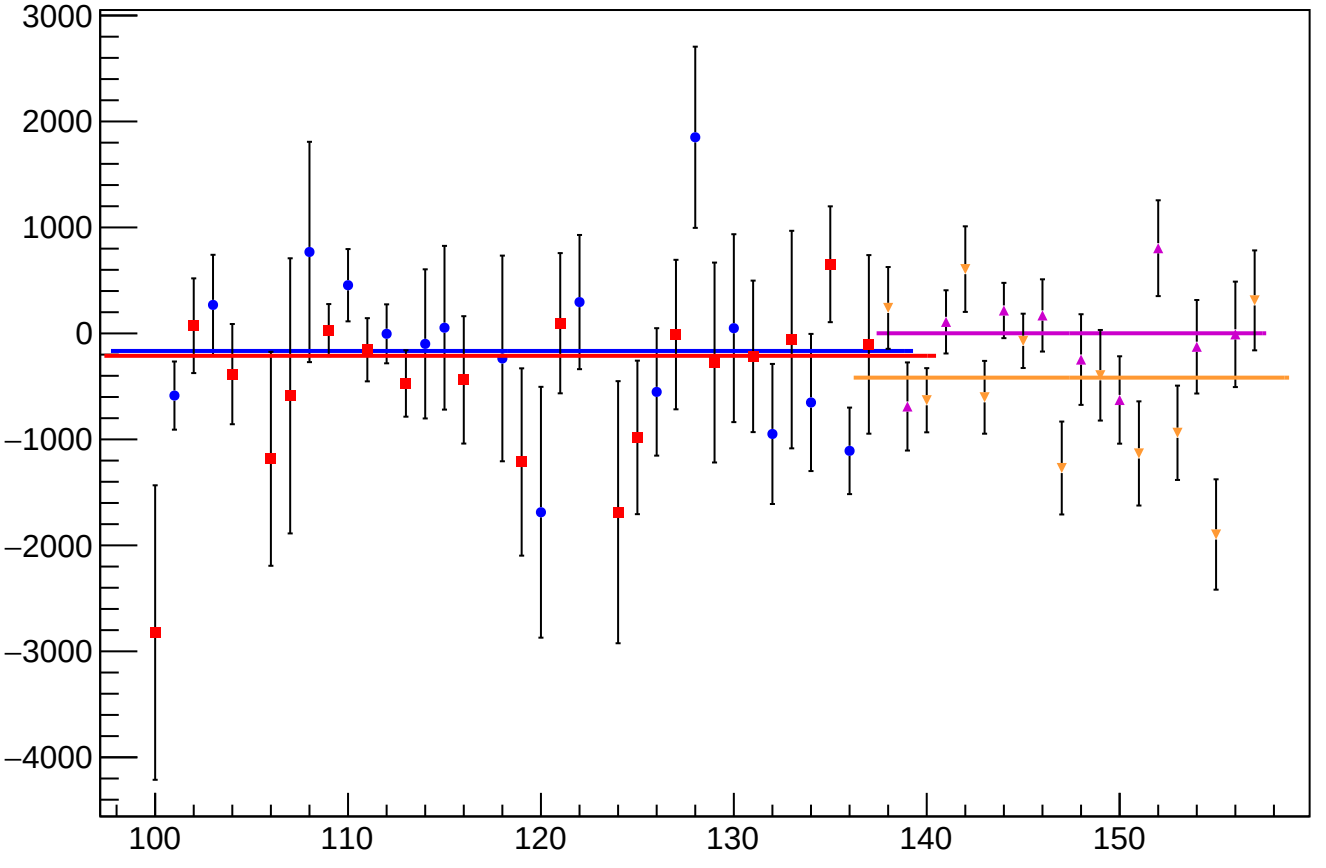
Left In: 71.245+/-0.018 χ^2/NDF:94491.7/8

+ sign 71.651+/-0.013 χ^2/NDF: 745140.6/26

All: 71.641+/-0.009 χ^2/NDF: 1799108.7/54

- sign 71.631+/-0.013 χ^2/NDF: 1053966.9/27

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -417.341+/-115.087 χ^2/NDF:29.7/10

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

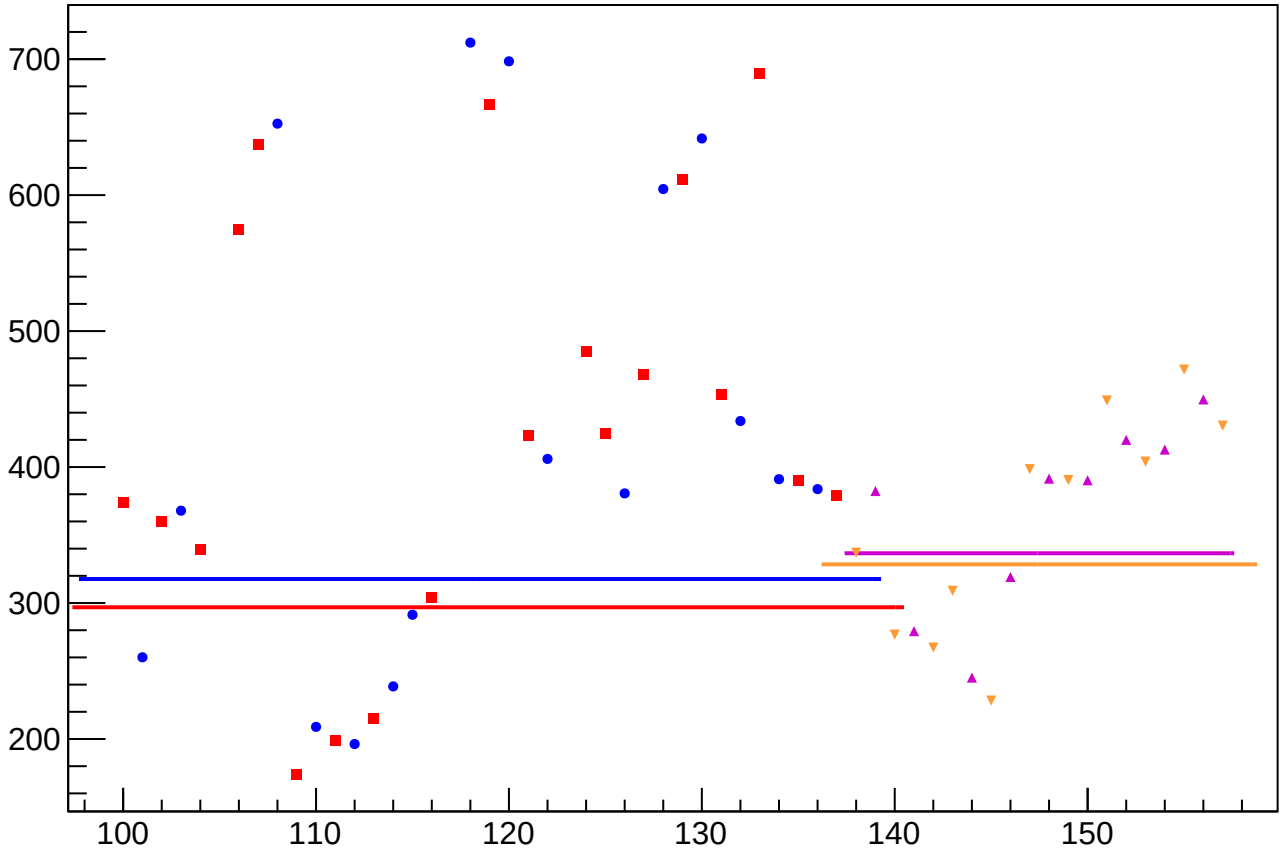
Left In: 1.301+/-123.315 χ^2/NDF:9.7/8

+ sign -305.184+/-85.711 χ^2/NDF: 54.5/26

All: -206.882+/-60.725 χ^2/NDF: 82.0/54

- sign -107.812+/-86.046 χ^2/NDF: 24.9/27

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 328.438+/-0.081 χ^2/NDF:932980.3/10

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

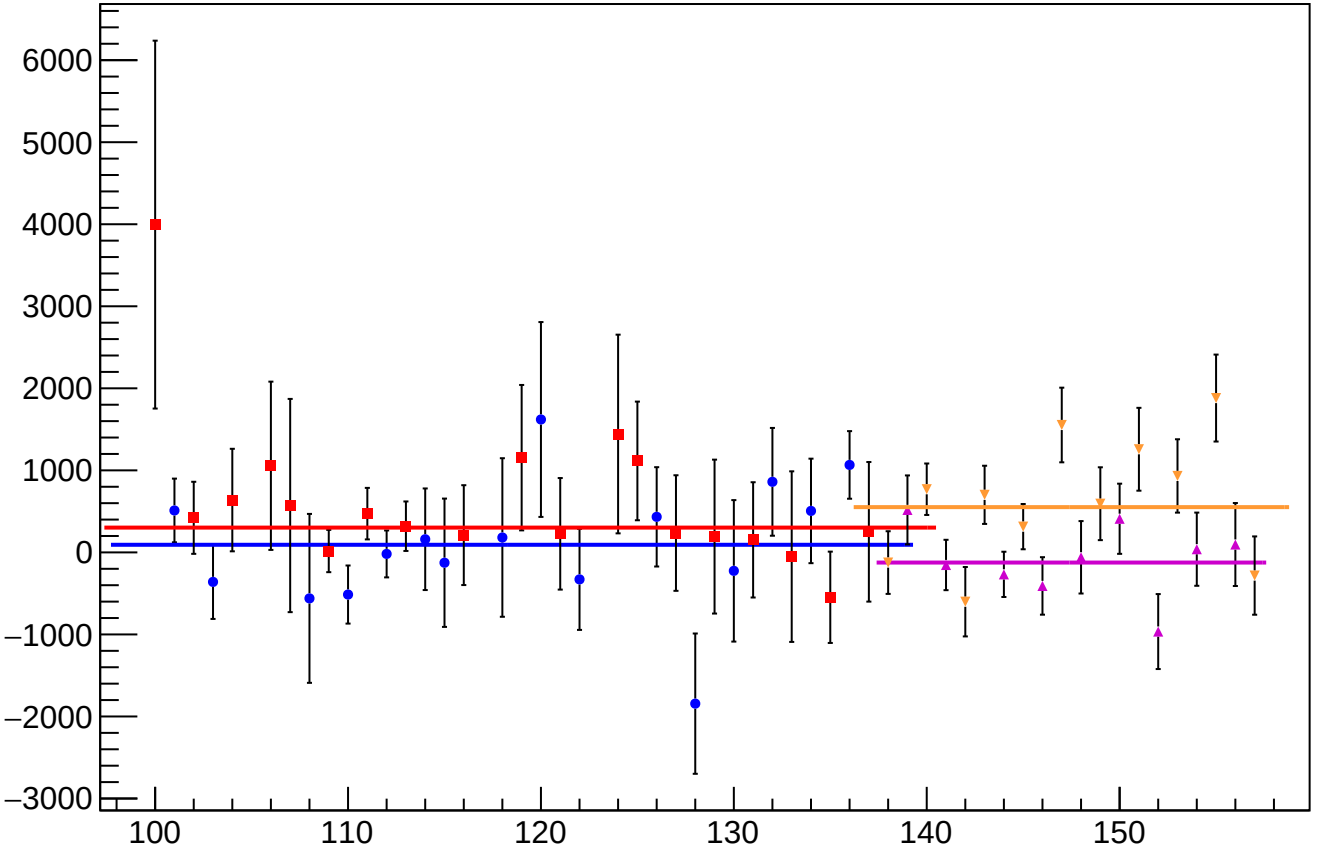
Left In: 336.596+/-0.087 χ^2/NDF:647165.0/8

+ sign 323.639+/-0.061 χ^2/NDF: 3077014.9/26

All: 319.944+/-0.043 χ^2/NDF: 6379107.2/54

- sign 316.220+/-0.061 χ^2/NDF: 3294630.0/27

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 551.758+/-119.116 χ^2/NDF:28.8/10

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

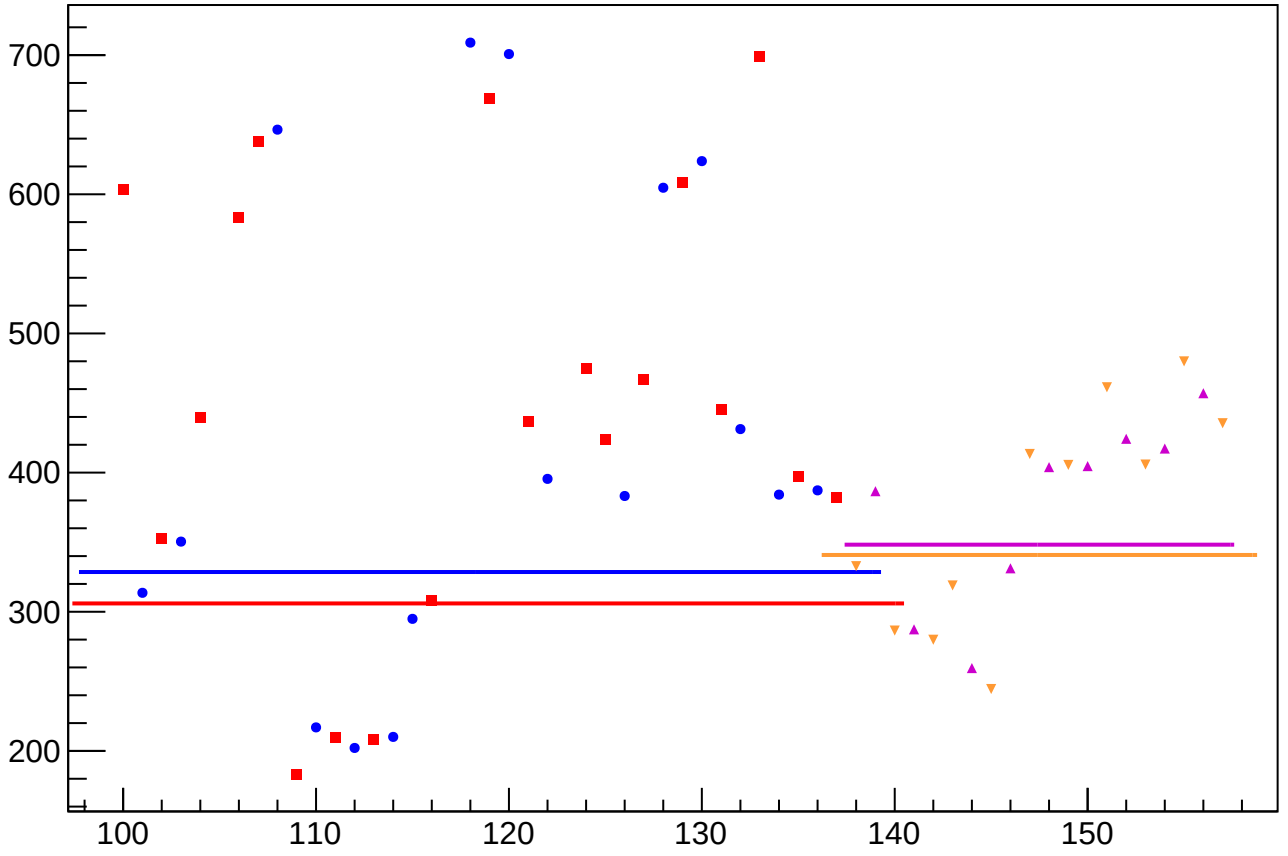
Left In: -123.833+/-127.118 χ^2/NDF:8.6/8

+ sign 345.642+/-88.411 χ^2/NDF: 56.3/26

All: 220.603+/-62.629 χ^2/NDF: 85.5/54

- sign 94.654+/-88.733 χ^2/NDF: 25.1/27

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 340.814+/-0.084 χ^2/NDF:819844.6/10

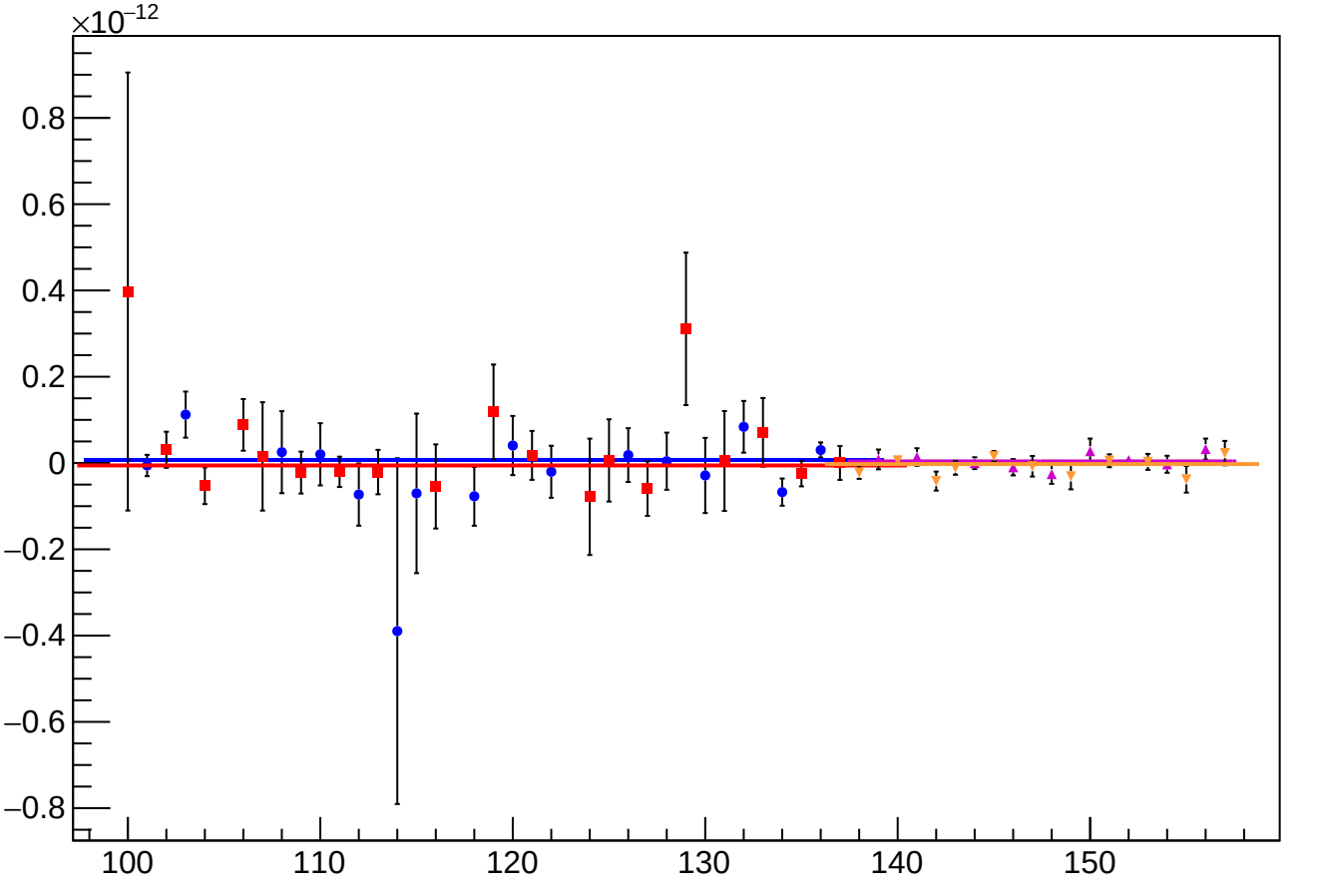
Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 348.213+/-0.090 χ^2/NDF:569452.2/8

+ sign 335.314+/-0.063 χ^2/NDF: 2788213.8/26

All: 330.954+/-0.044 χ^2/NDF: 6008044.5/54

- sign 326.562+/-0.063 χ^2/NDF: 3210068.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/10

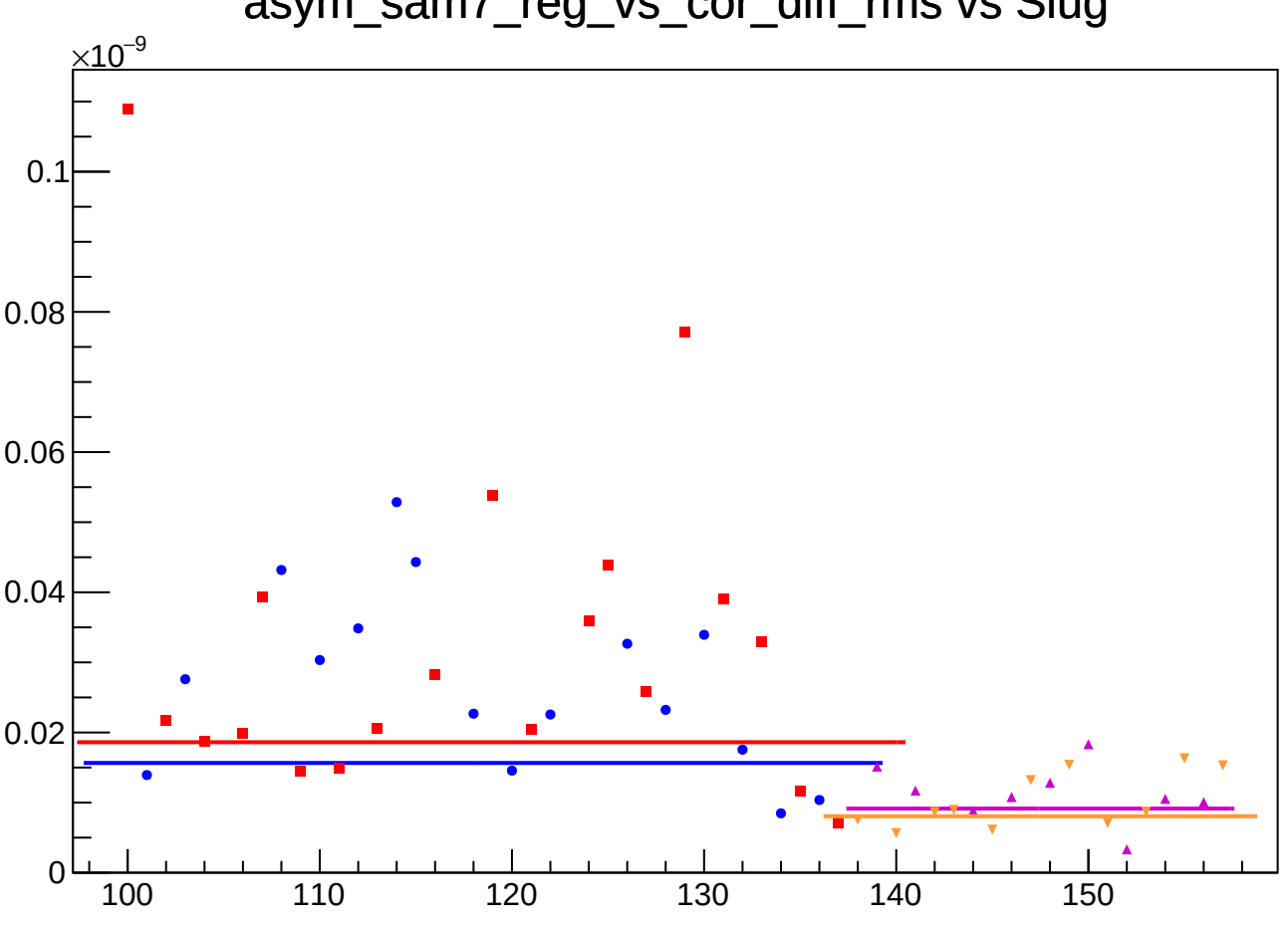
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/26

All: 0.000+/-0.000 χ^2/NDF: 48.3/54

- sign 0.000+/-0.000 χ^2/NDF: 18.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:664417.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

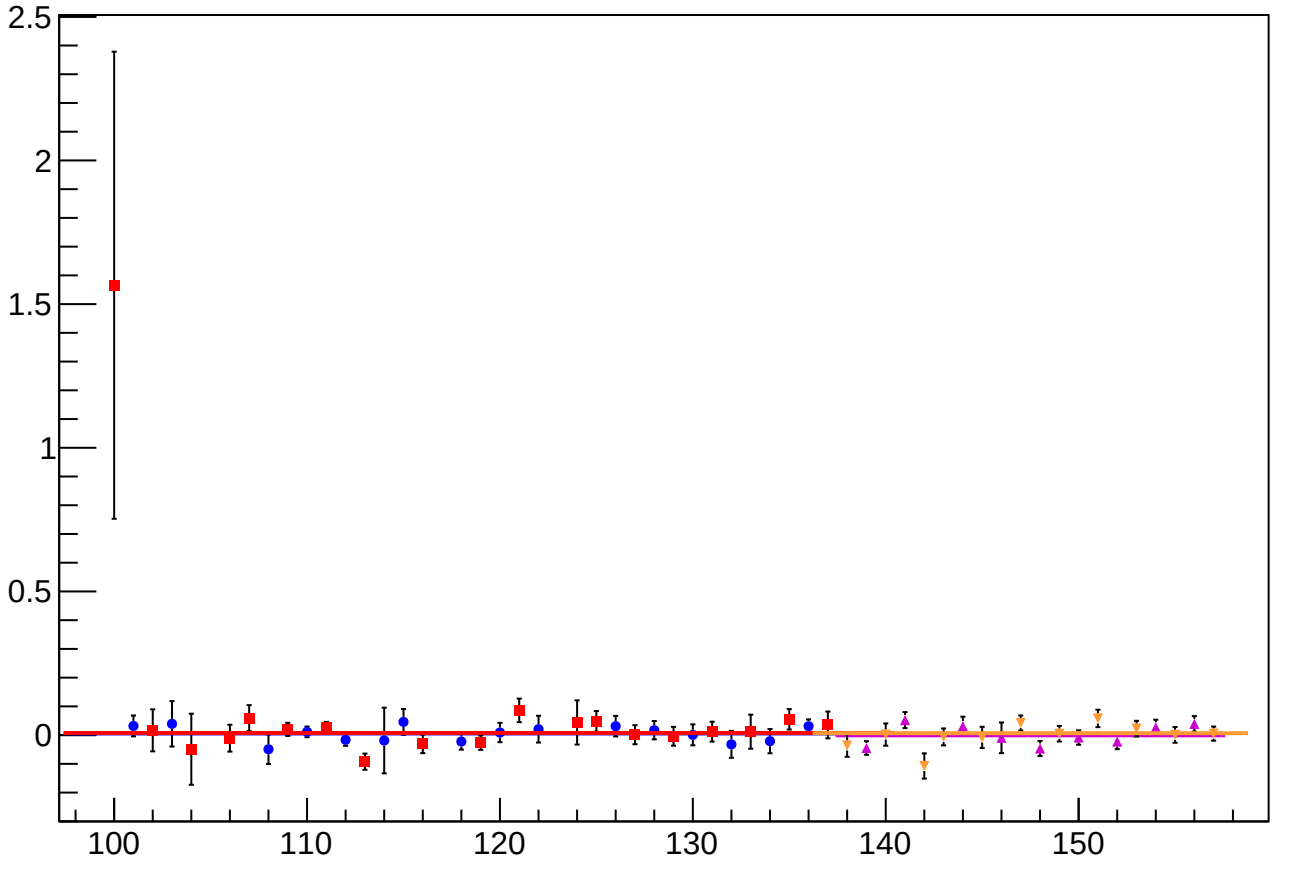
Left In: 0.000+/-0.000 χ^2/NDF:954873.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 2622588.7/26

All: 0.000+/-0.000 χ^2/NDF: 5782051.7/54

- sign 0.000+/-0.000 χ^2/NDF: 3074107.6/27

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

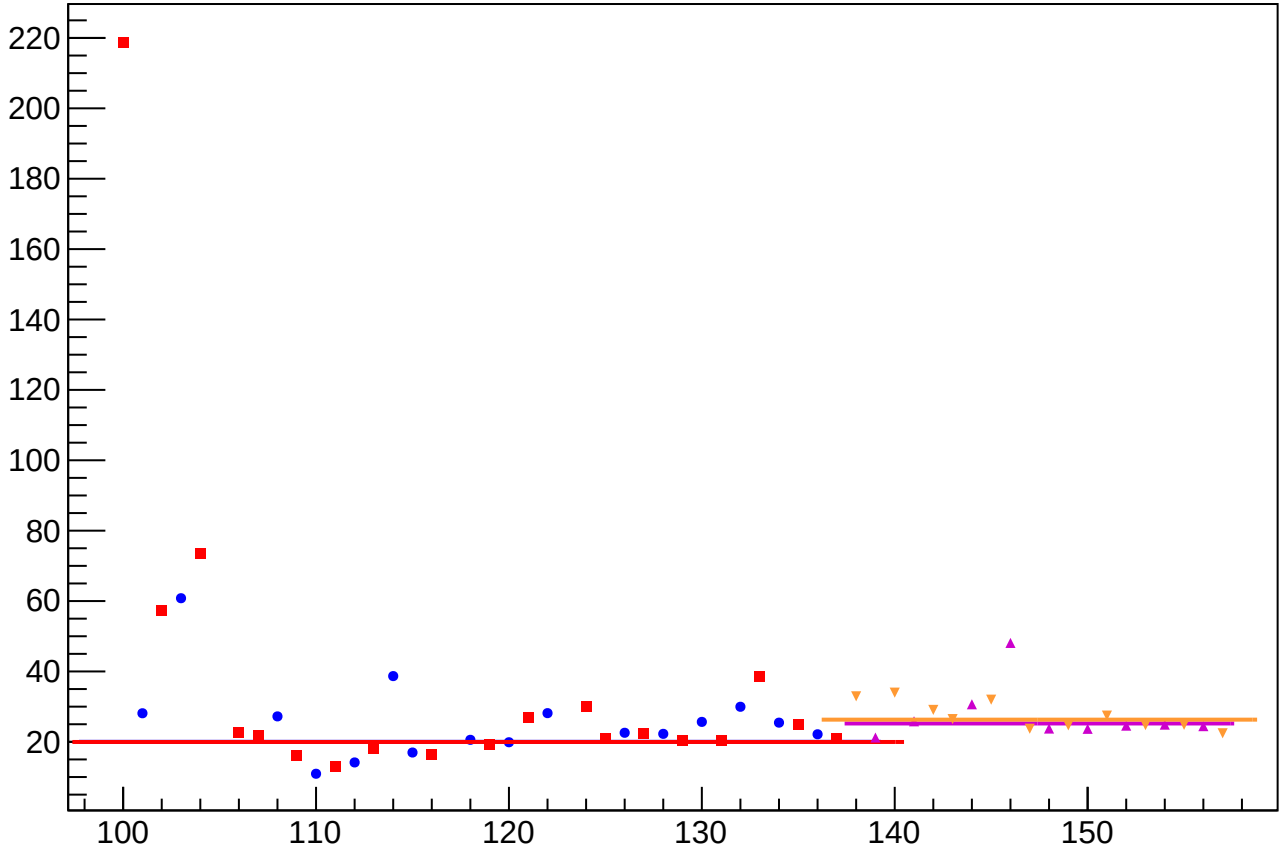
Left In: -0.001+/-0.009 χ^2/NDF:15.1/8

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.6/54

- sign 0.004+/-0.006 χ^2/NDF: 45.3/27

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

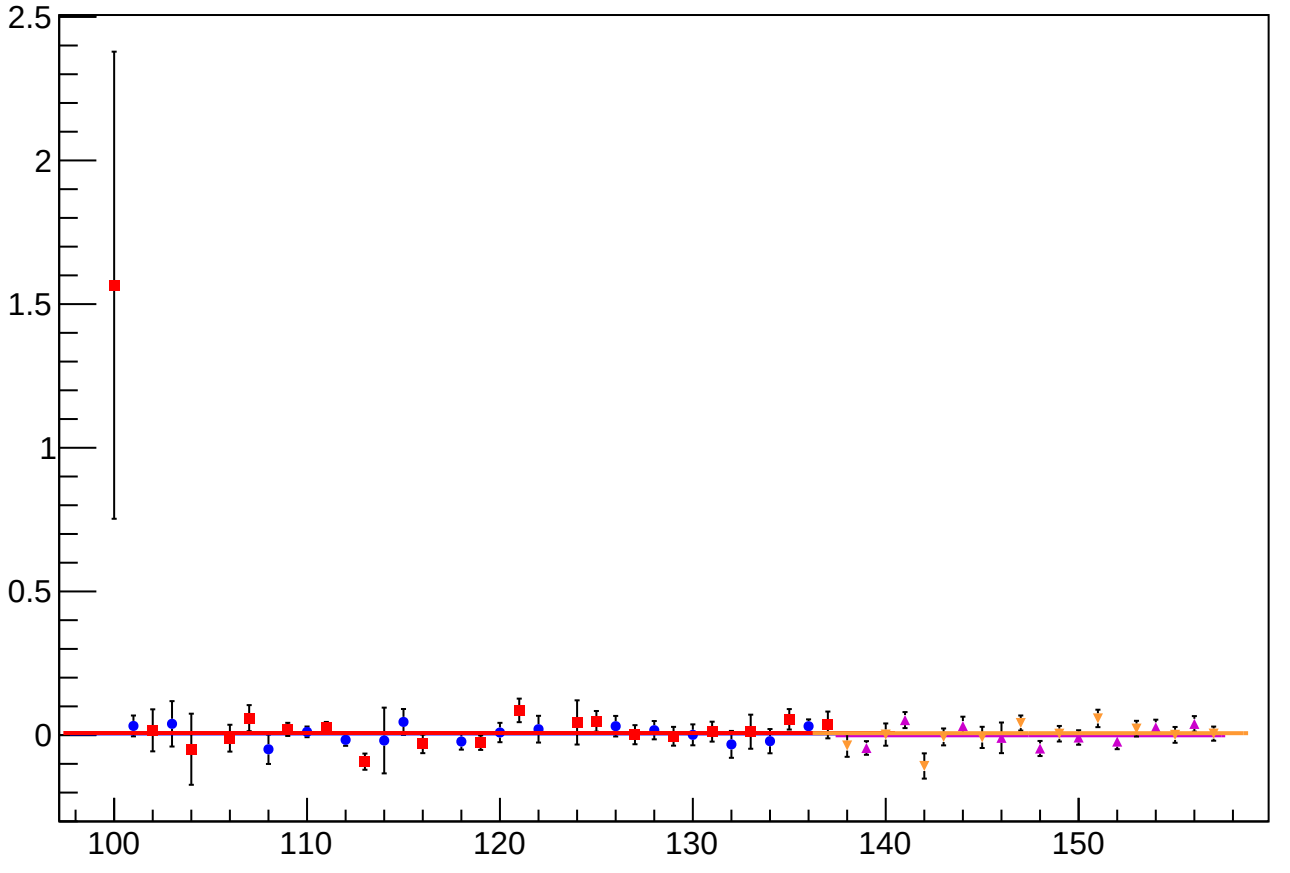
Left In: 25.218+/-0.007 χ^2/NDF:497569.6/8

+ sign 22.796+/-0.004 χ^2/NDF: 2451387.8/26

All: 22.512+/-0.003 χ^2/NDF: 5037879.3/54

- sign 22.228+/-0.004 χ^2/NDF: 2577833.4/27

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

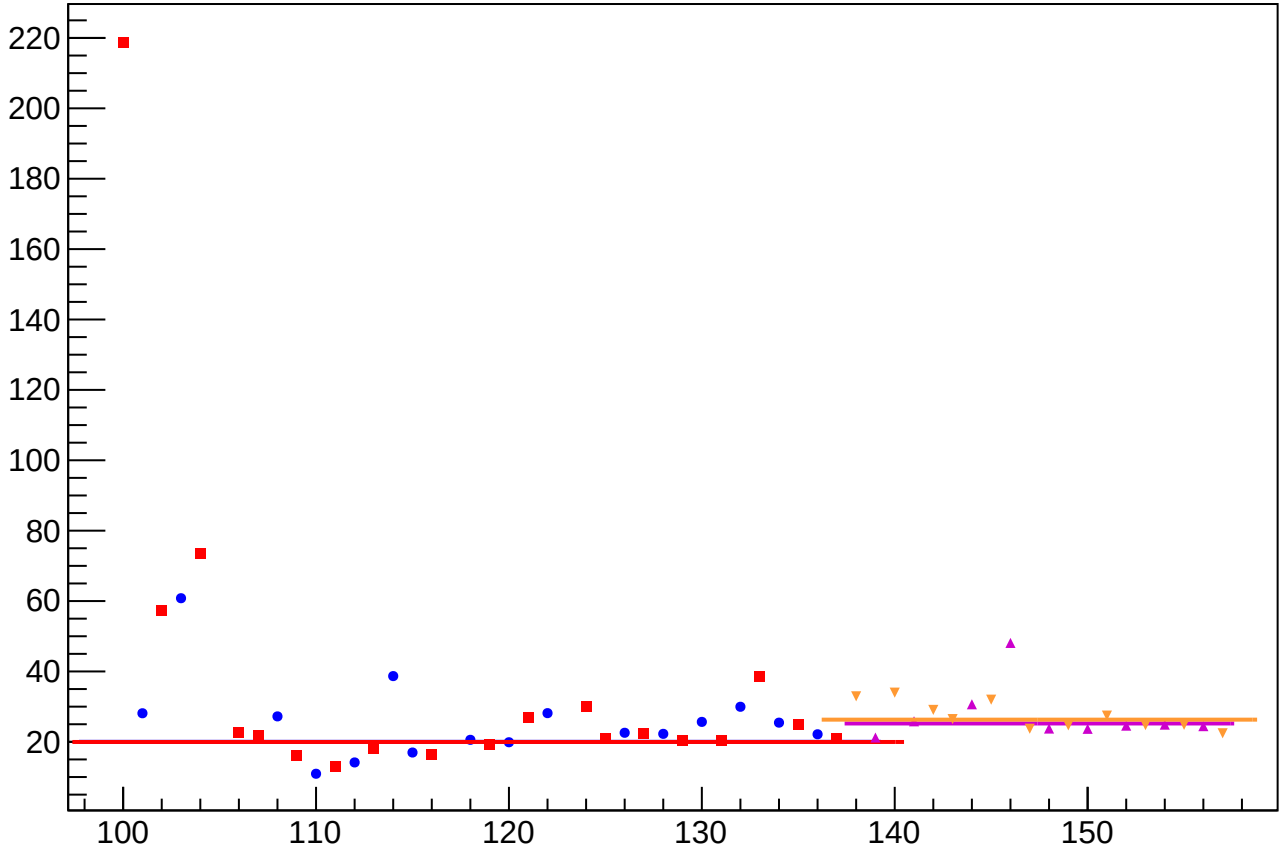
Left In: -0.001+/-0.009 χ^2/NDF:15.1/8

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.6/54

- sign 0.004+/-0.006 χ^2/NDF: 45.3/27

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.305+/-0.006 χ^2/NDF:281659.0/10

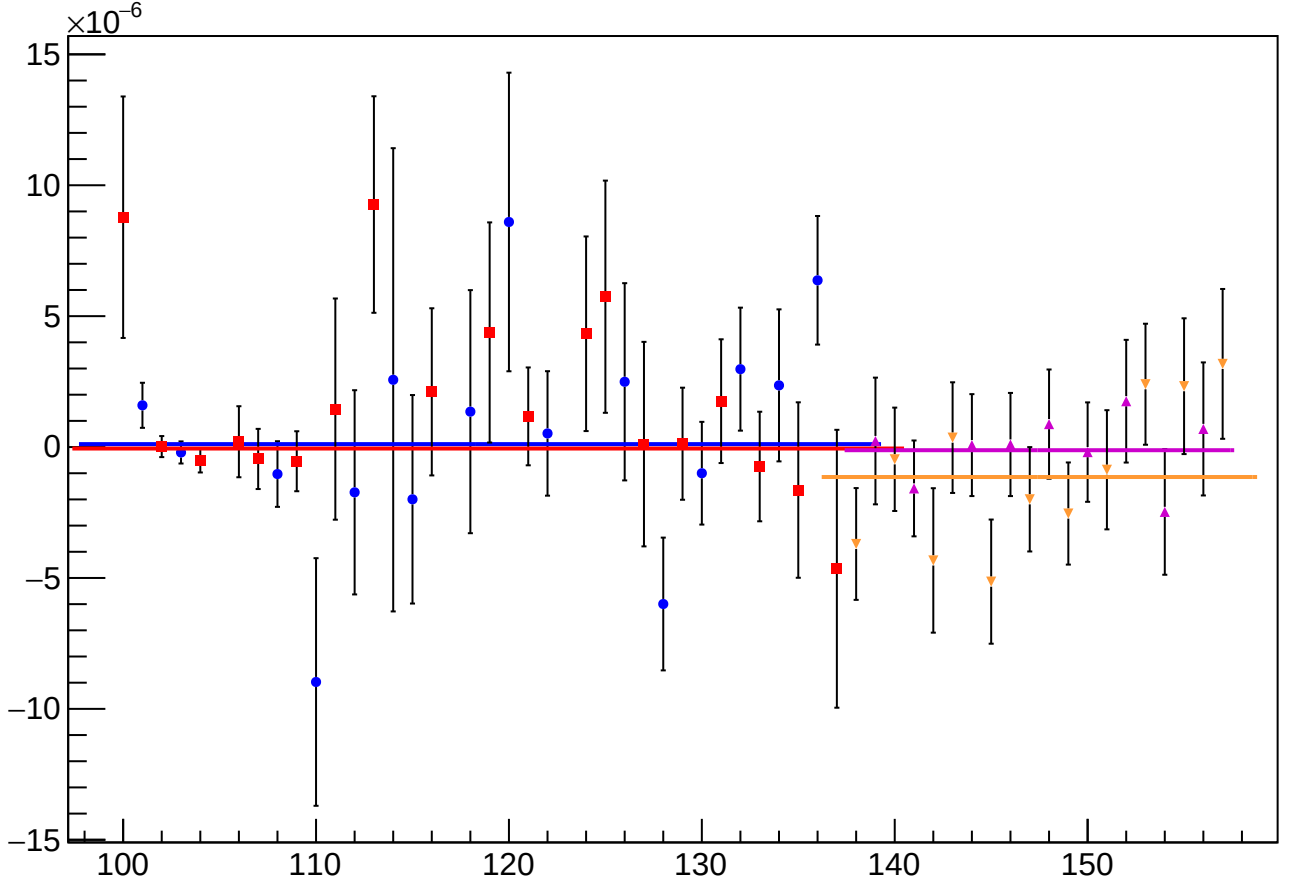
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.218+/-0.007 χ^2/NDF:497569.6/8

+ sign 22.796+/-0.004 χ^2/NDF: 2451387.8/26

All: 22.512+/-0.003 χ^2/NDF: 5037879.3/54

- sign 22.228+/-0.004 χ^2/NDF: 2577833.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

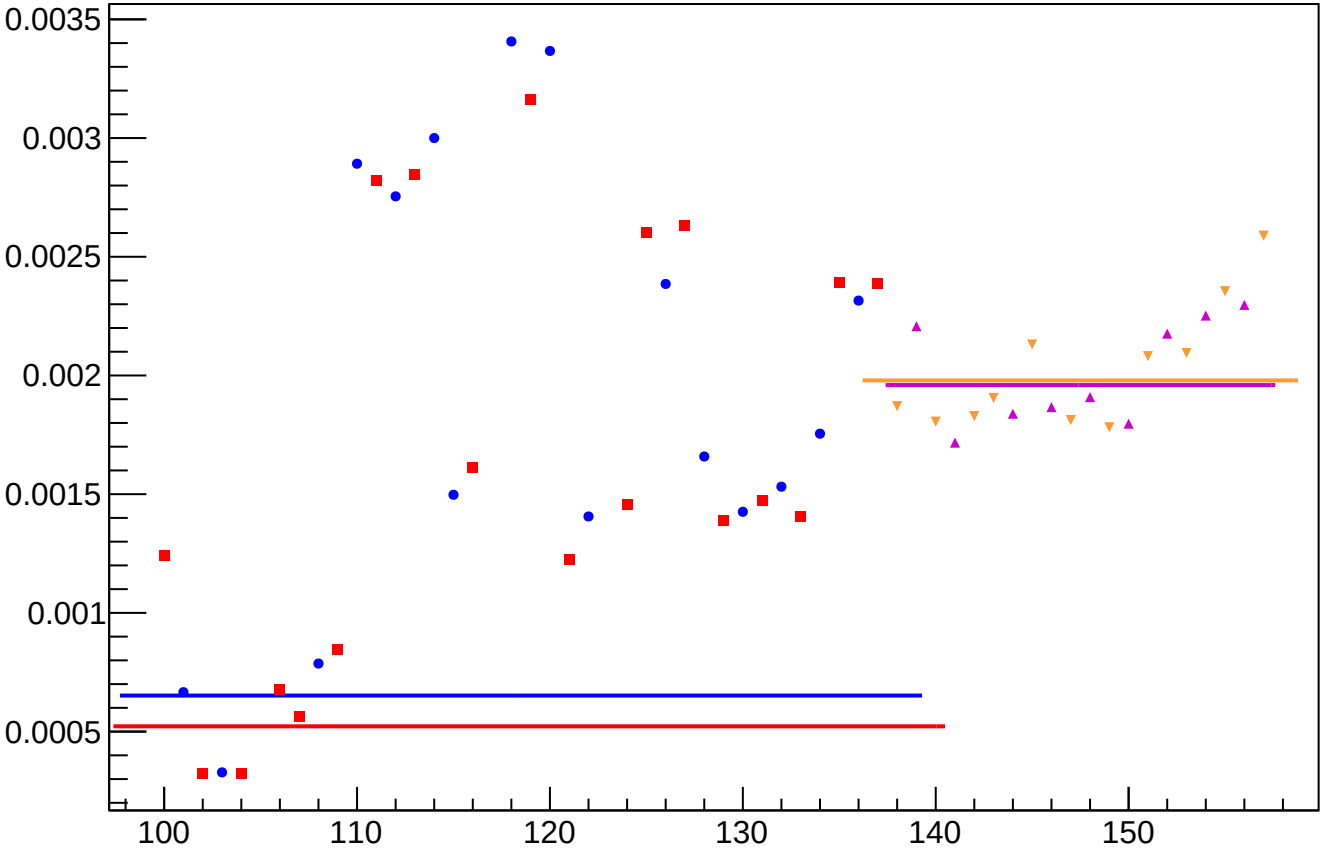
Left In: -0.000+/-0.000 χ^2/NDF:2.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/26

All: -0.000+/-0.000 χ^2/NDF: 61.9/54

- sign -0.000+/-0.000 χ^2/NDF: 19.7/27

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:213413.5/10

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

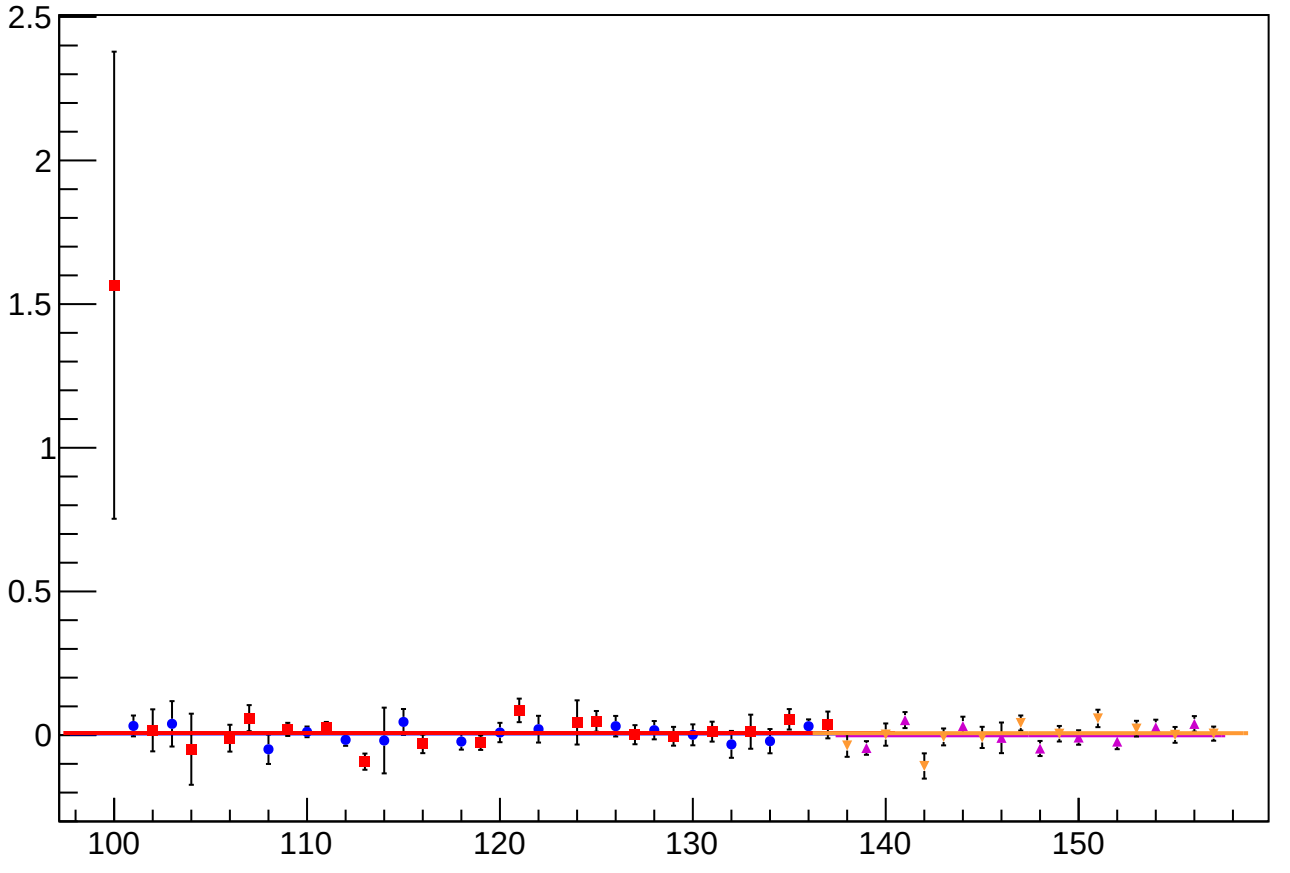
Left In: 0.002+/-0.000 χ^2/NDF:166165.8/8

+ sign 0.001+/-0.000 χ^2/NDF: 12741792.7/26

All: 0.001+/-0.000 χ^2/NDF: 27514065.8/54

- sign 0.001+/-0.000 χ^2/NDF: 14147783.2/27

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

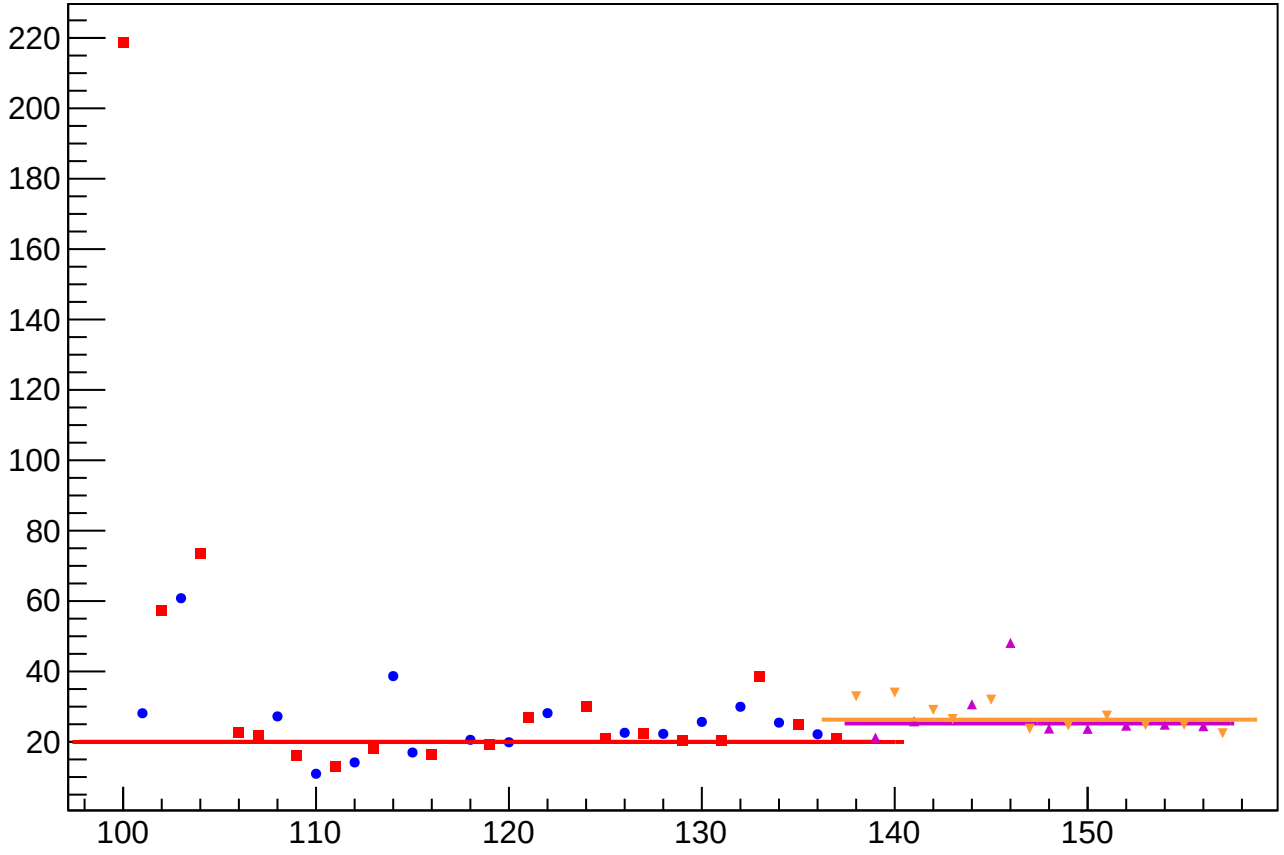
Left In: -0.001+/-0.009 χ^2/NDF:15.1/8

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.6/54

- sign 0.004+/-0.006 χ^2/NDF: 45.3/27

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.305+/-0.006 χ^2/NDF:281670.1/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

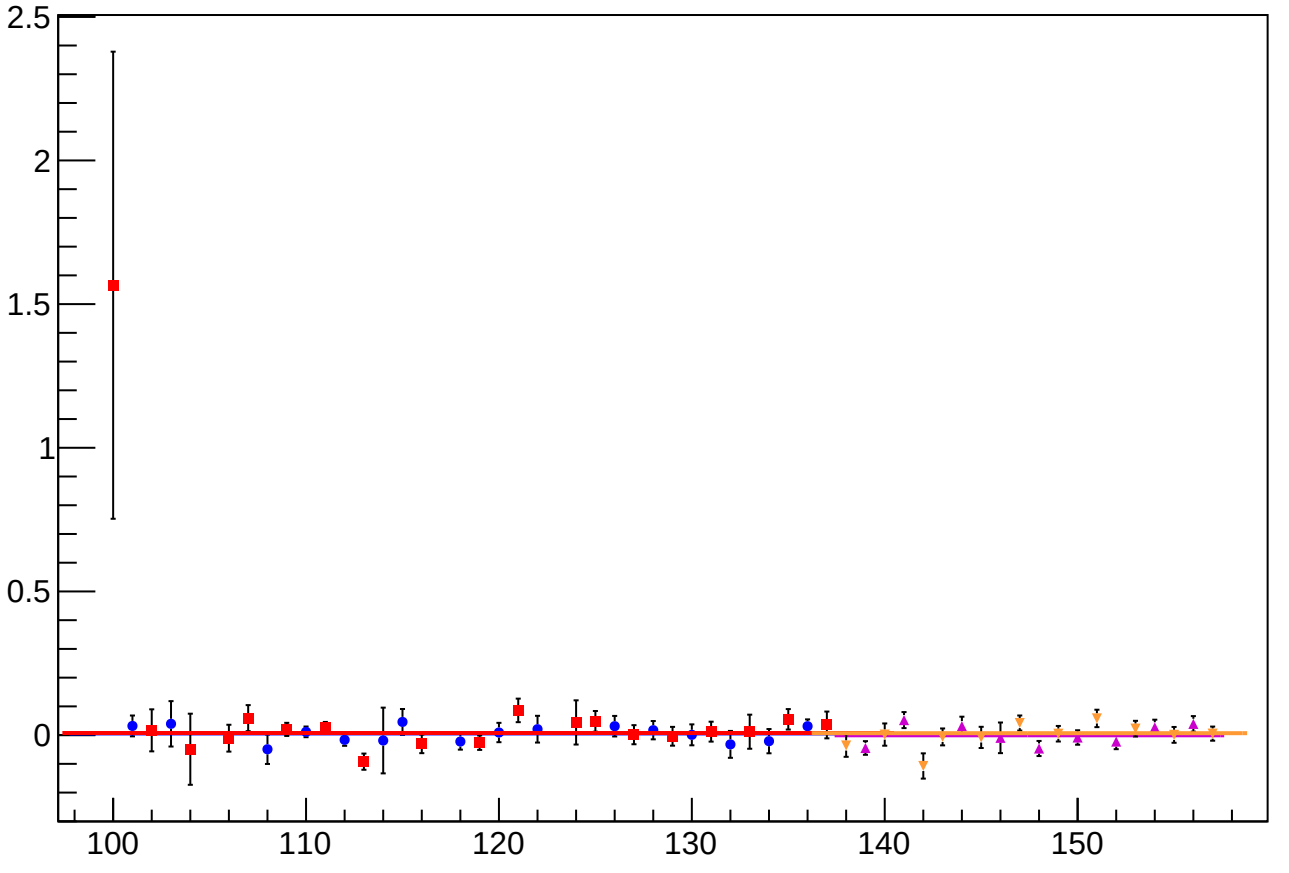
Left In: 25.218+/-0.007 χ^2/NDF:497578.7/8

+ sign 22.796+/-0.004 χ^2/NDF: 2451150.9/26

All: 22.513+/-0.003 χ^2/NDF: 5037577.0/54

- sign 22.228+/-0.004 χ^2/NDF: 2577760.3/27

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.009 χ^2/NDF:13.4/10

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

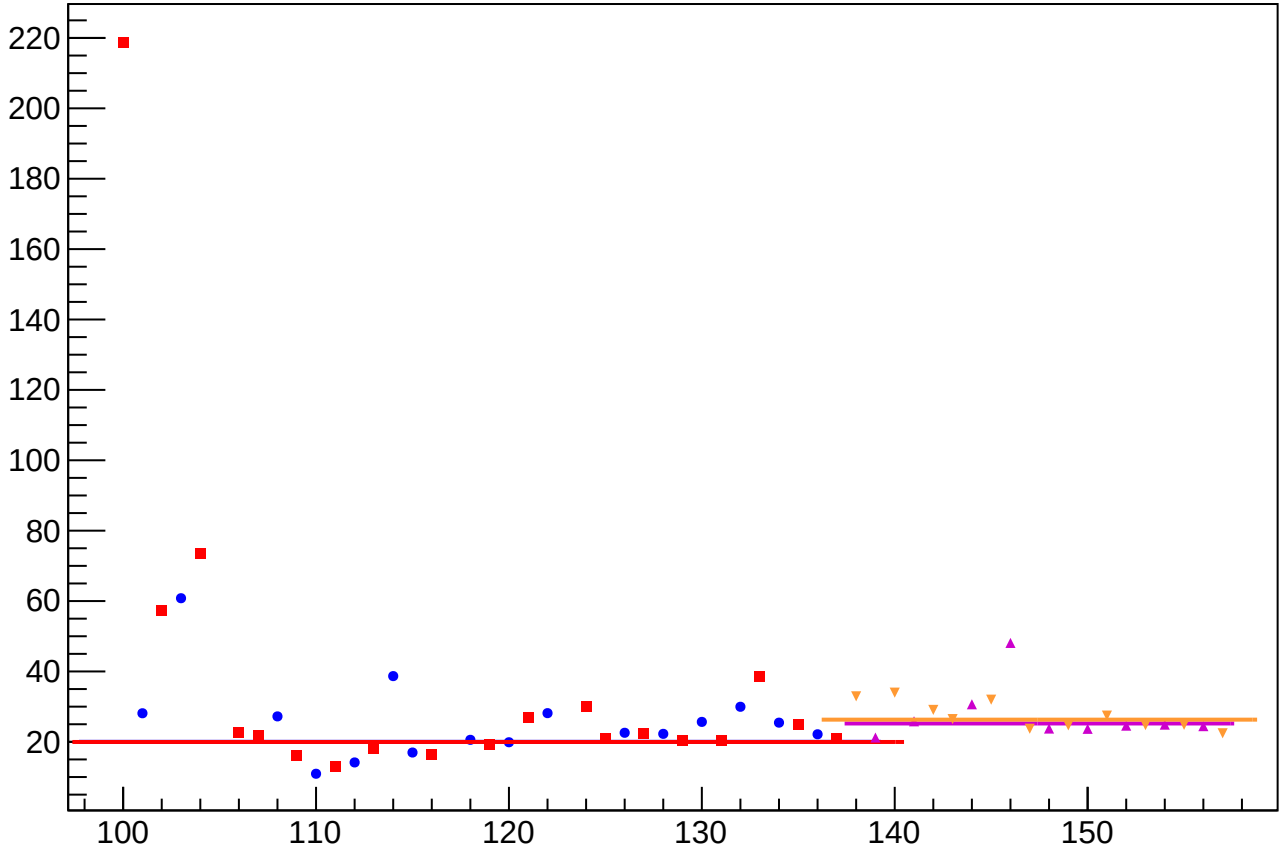
Left In: -0.001+/-0.009 χ^2/NDF:15.1/8

+ sign 0.006+/-0.006 χ^2/NDF: 21.2/26

All: 0.005+/-0.004 χ^2/NDF: 66.6/54

- sign 0.004+/-0.006 χ^2/NDF: 45.3/27

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.305+/-0.006 χ^2/NDF:281670.1/10

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

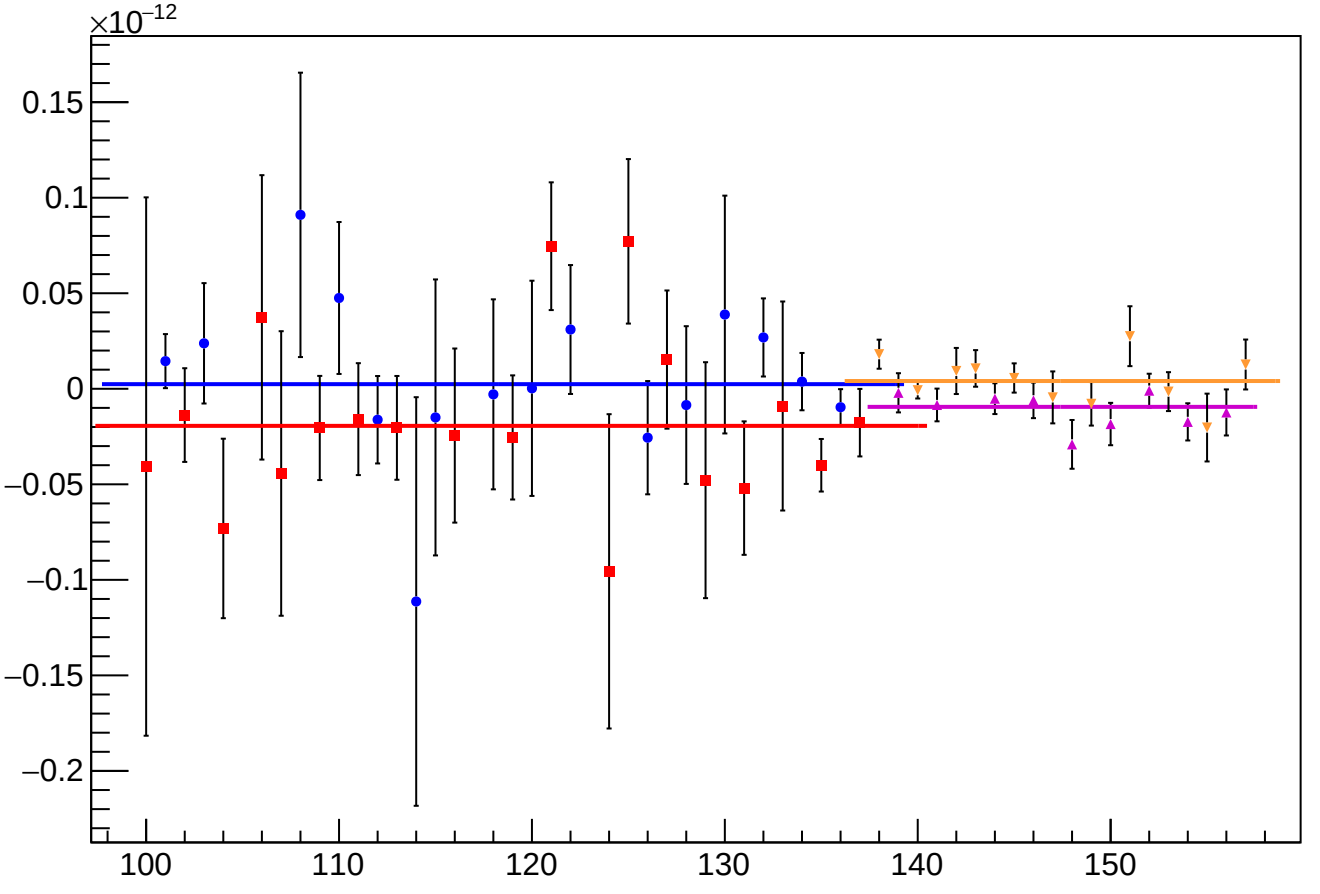
Left In: 25.218+/-0.007 χ^2/NDF:497578.7/8

+ sign 22.796+/-0.004 χ^2/NDF: 2451150.9/26

All: 22.513+/-0.003 χ^2/NDF: 5037577.0/54

- sign 22.228+/-0.004 χ^2/NDF: 2577760.3/27

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/10

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

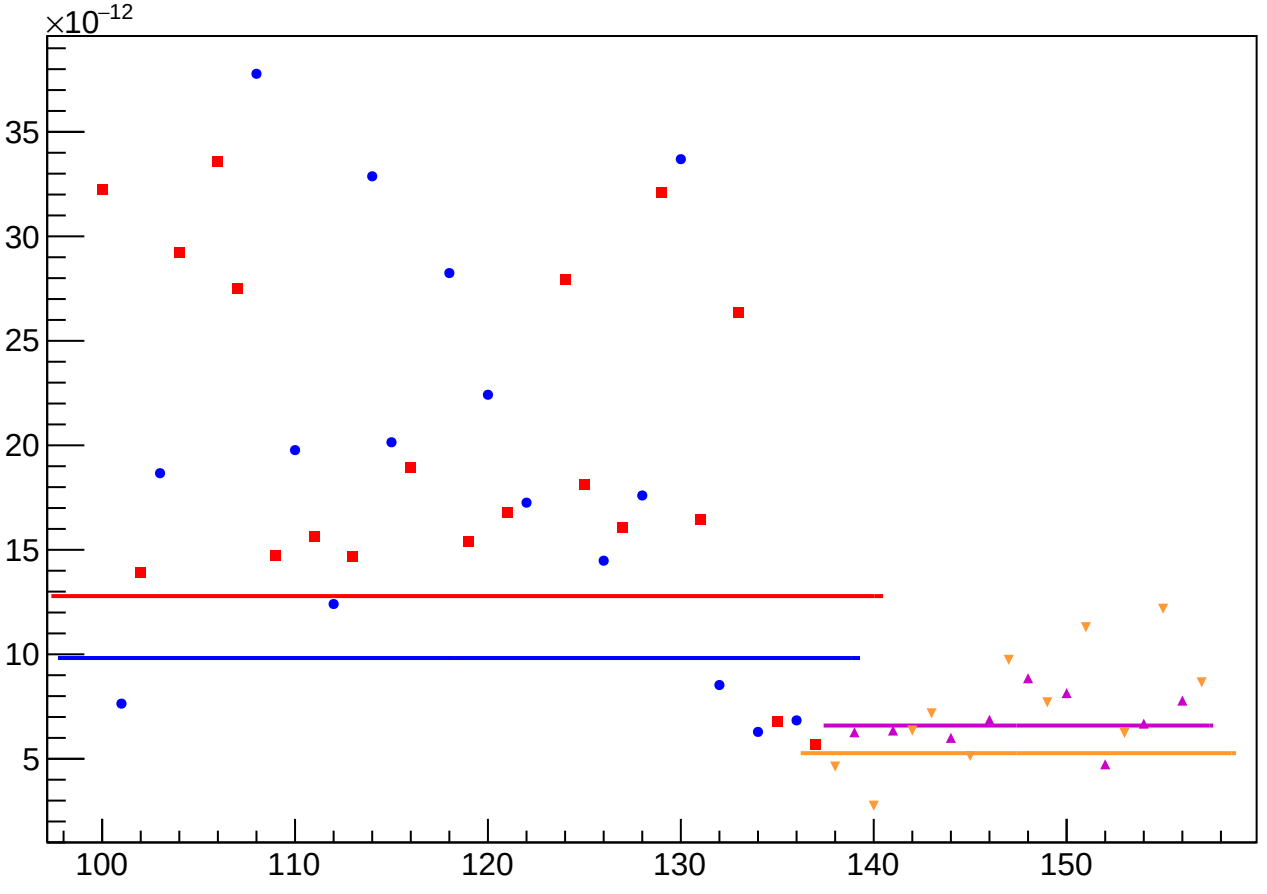
Left In: -0.000+/-0.000 χ^2/NDF:5.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 22.6/26

All: -0.000+/-0.000 χ^2/NDF: 65.5/54

- sign -0.000+/-0.000 χ^2/NDF: 27.5/27

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1839096.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

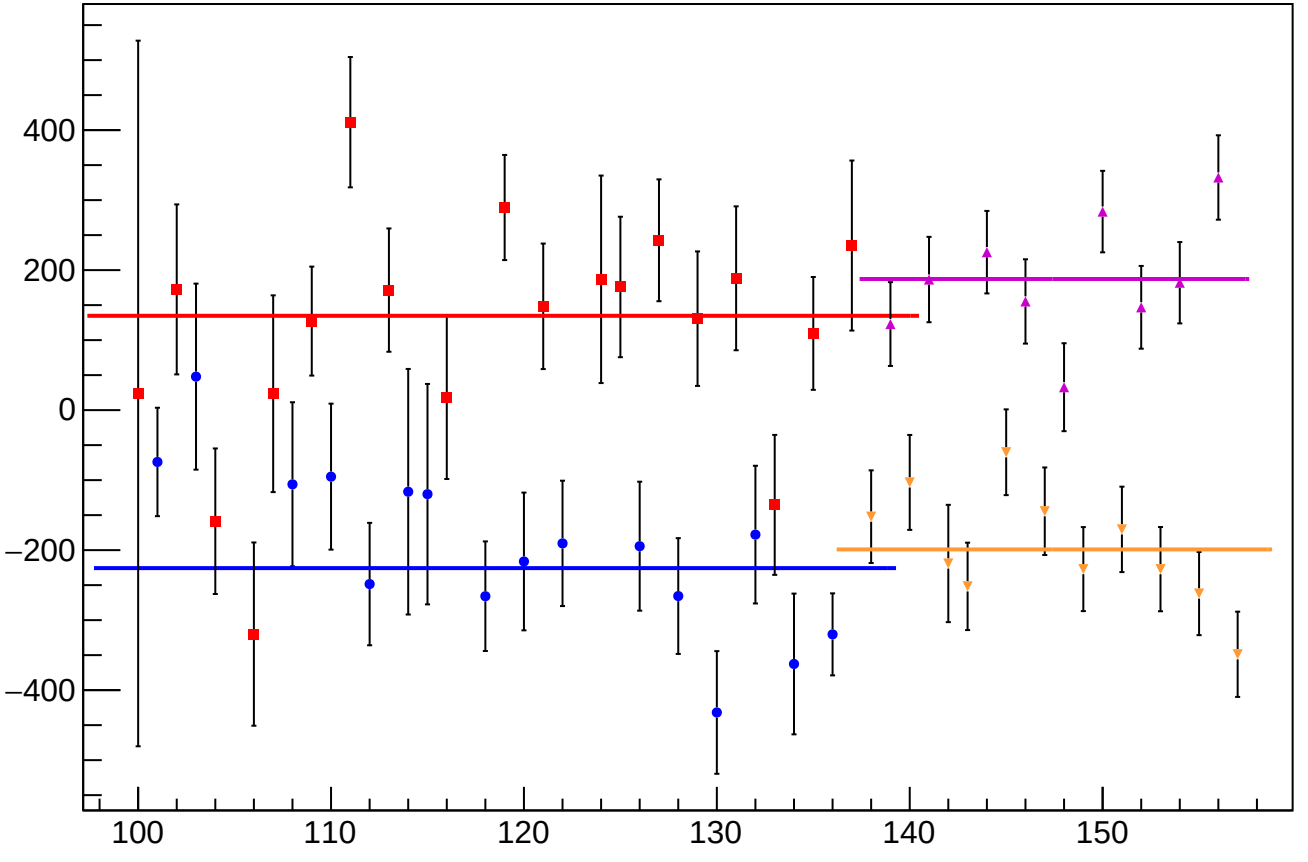
Left In: 0.000+/-0.000 χ^2/NDF:225326.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 4859649.0/26

All: 0.000+/-0.000 χ^2/NDF: 8503729.9/54

- sign 0.000+/-0.000 χ^2/NDF: 3294707.9/27

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.022+/-19.095 χ^2/NDF:17.0/10

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

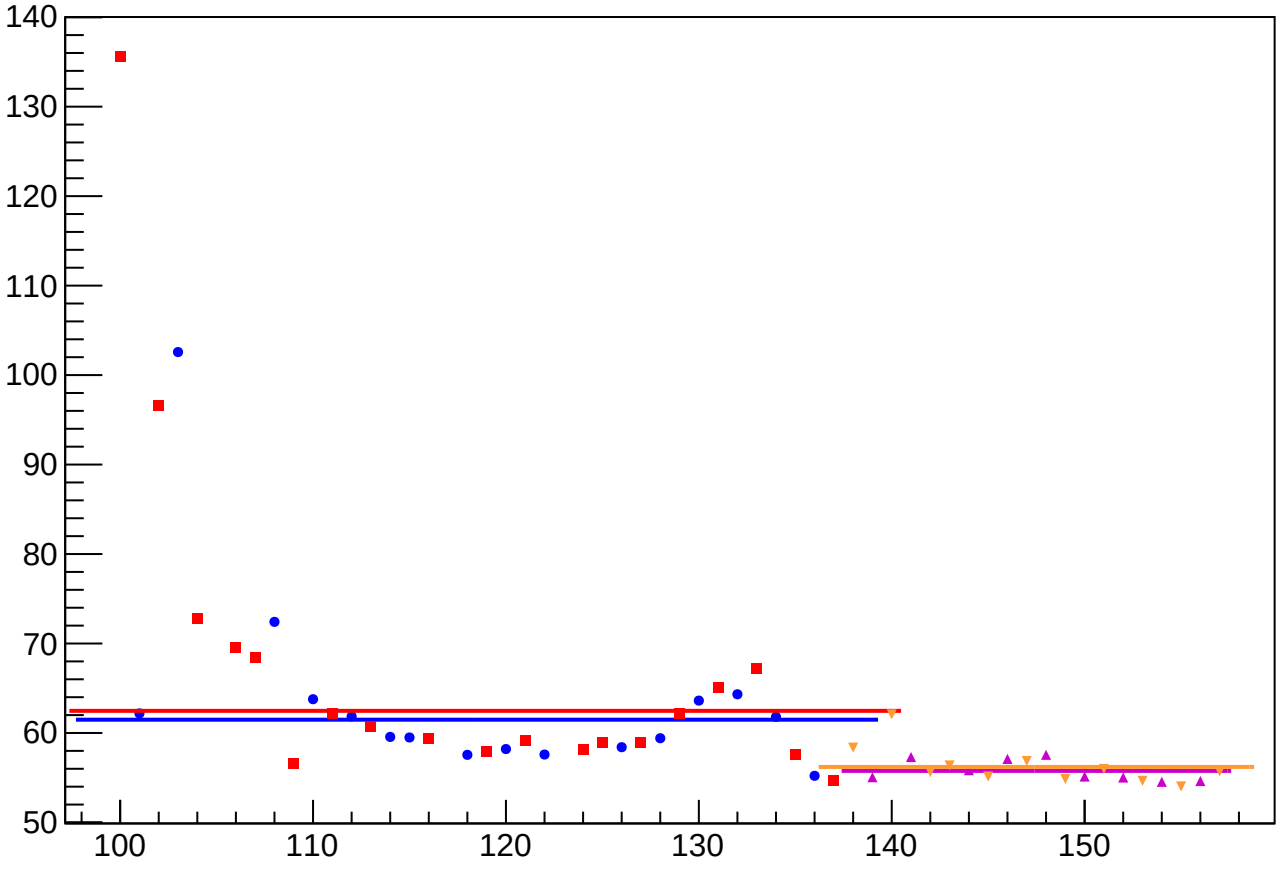
Left In: 187.319+/-19.931 χ^2/NDF:16.9/8

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -27.365+/-10.547 χ^2/NDF: 421.1/54

- sign 164.992+/-15.116 χ^2/NDF: 65.1/27

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

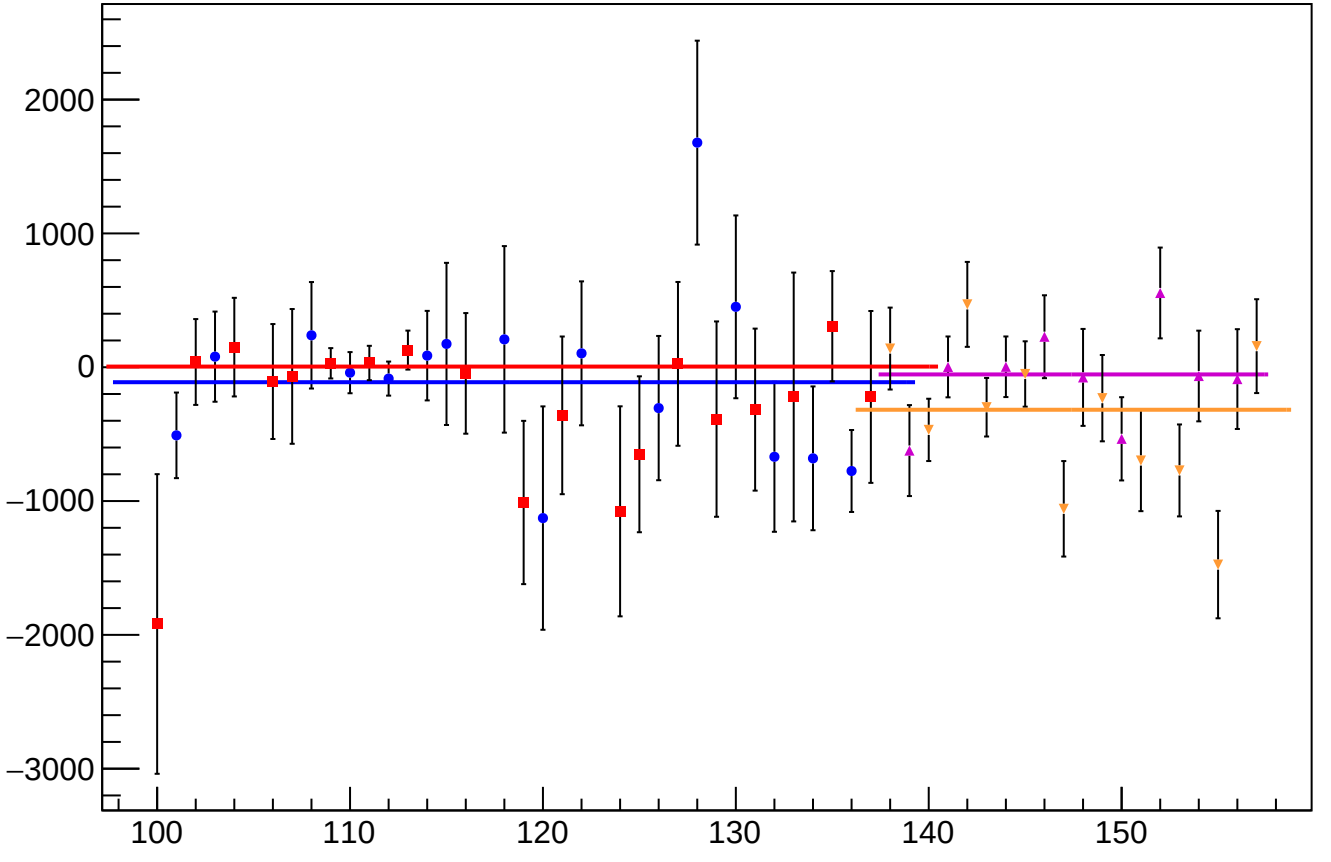
Left In: 55.763+/-0.014 χ^2/NDF:6342.5/8

+ sign 58.347+/-0.010 χ^2/NDF: 335988.5/26

All: 58.477+/-0.007 χ^2/NDF: 720192.7/54

- sign 58.614+/-0.011 χ^2/NDF: 383882.4/27

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -317.763+/-89.820 χ^2/NDF:27.3/10

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

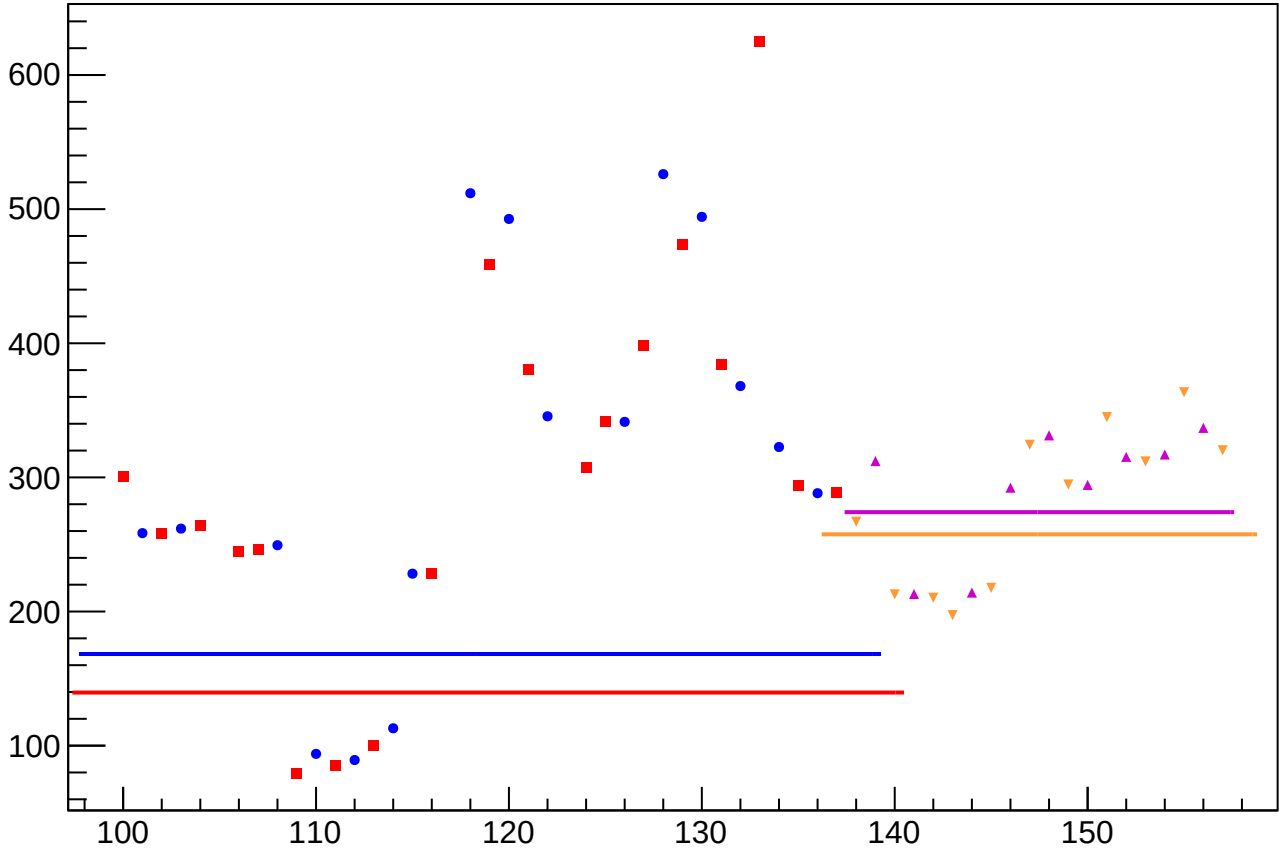
Left In: -53.745+/-99.766 χ^2/NDF:9.4/8

+ sign -198.063+/-58.112 χ^2/NDF: 48.8/26

All: -98.017+/-39.490 χ^2/NDF: 75.6/54

- sign -12.177+/-53.828 χ^2/NDF: 21.3/27

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.549+/-0.064 χ^2/NDF:781500.9/10

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

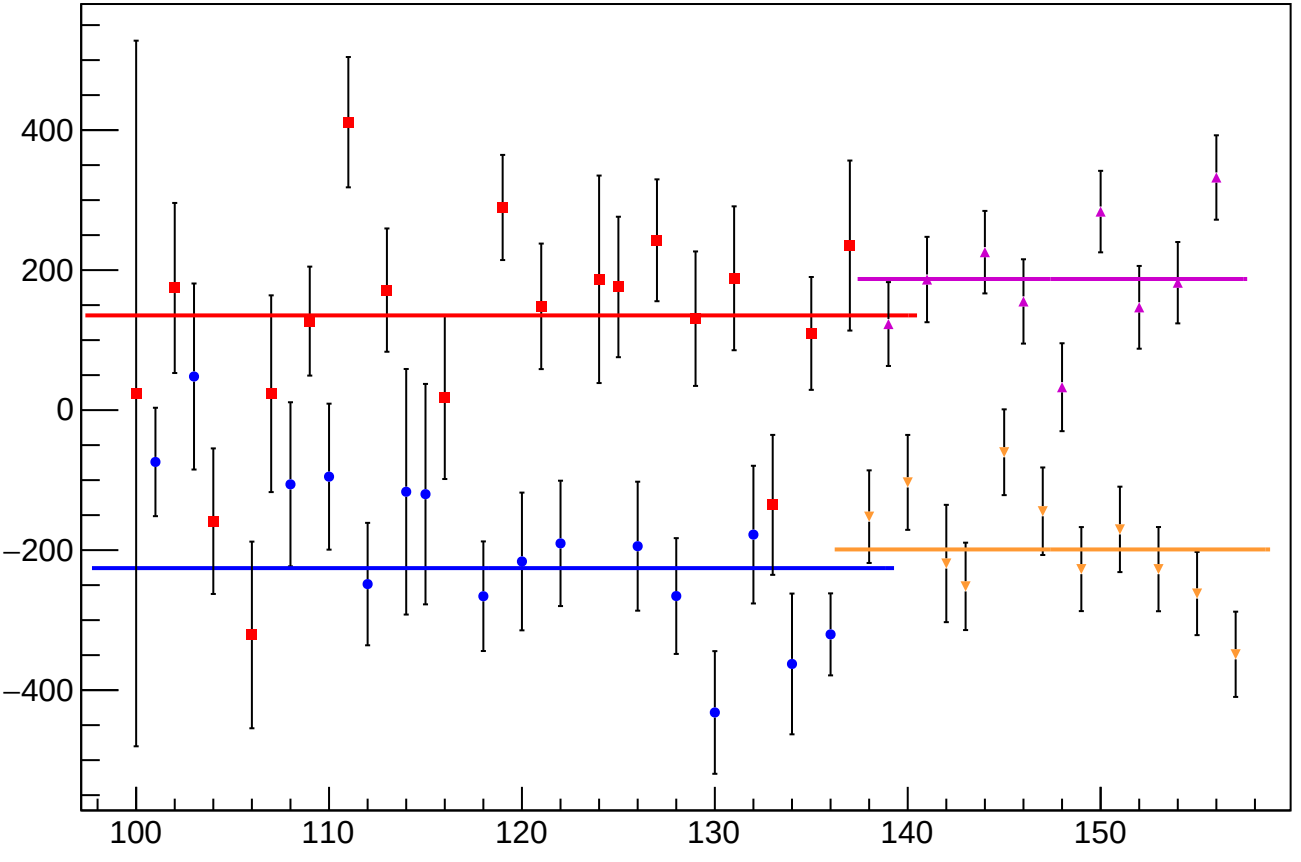
Left In: 274.105+/-0.071 χ^2/NDF:493221.2/8

+ sign 205.676+/-0.041 χ^2/NDF: 6472860.2/26

All: 191.185+/-0.028 χ^2/NDF: 14928589.0/54

- sign 178.751+/-0.038 χ^2/NDF: 8224658.0/27

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

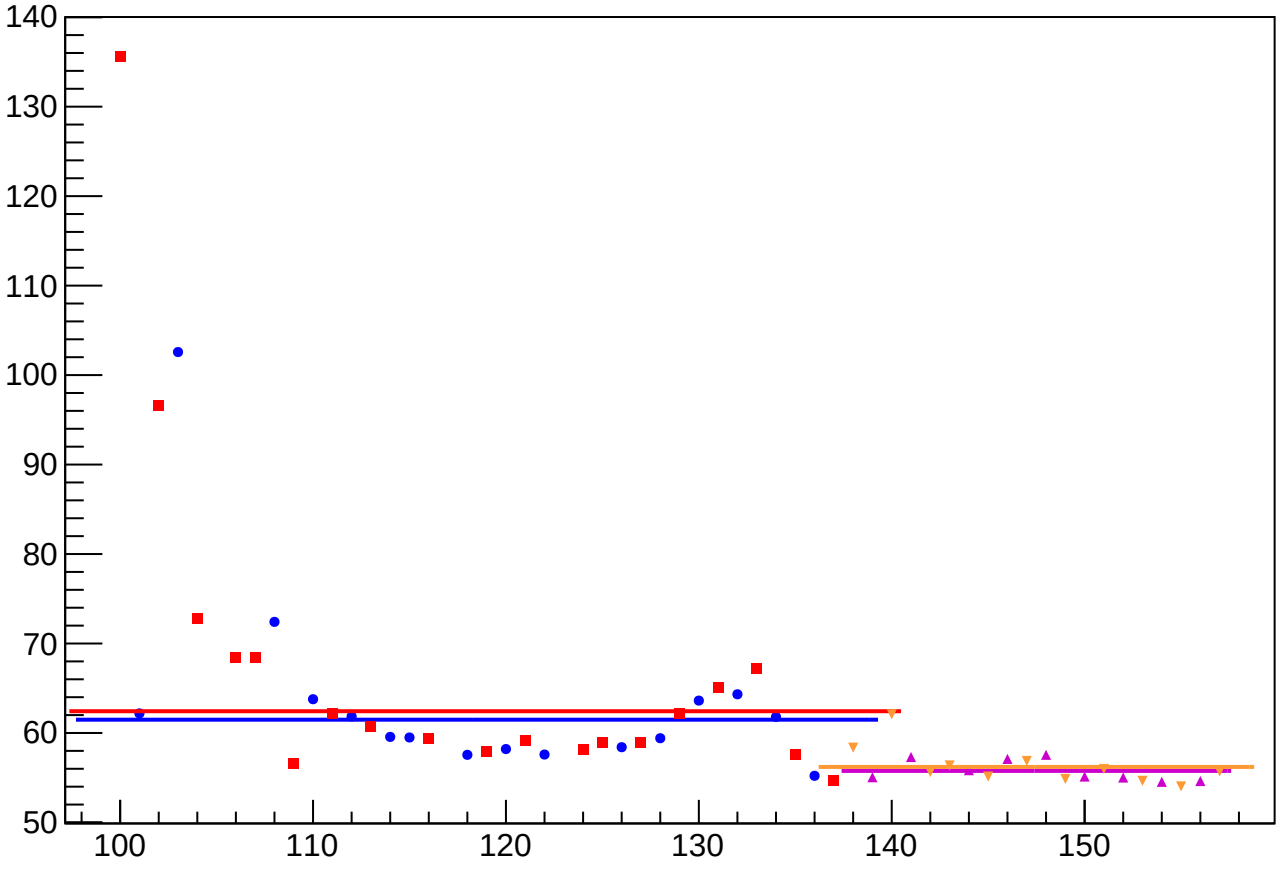
Left In: 187.318+/-19.931 χ^2/NDF:16.9/8

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -27.291+/-10.548 χ^2/NDF: 421.0/54

- sign 165.239+/-15.119 χ^2/NDF: 64.7/27

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

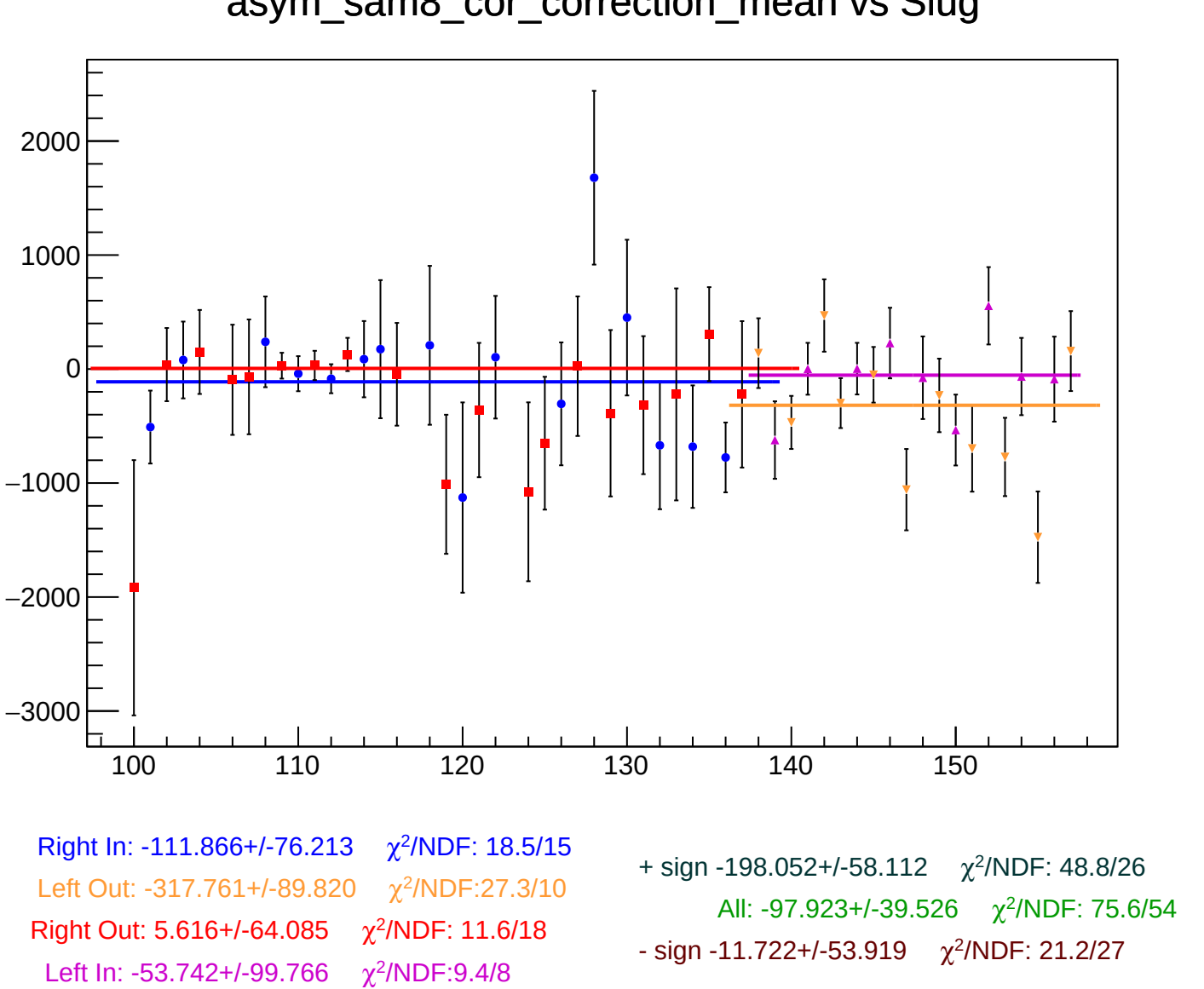
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.763+/-0.014 χ^2/NDF:6342.5/8

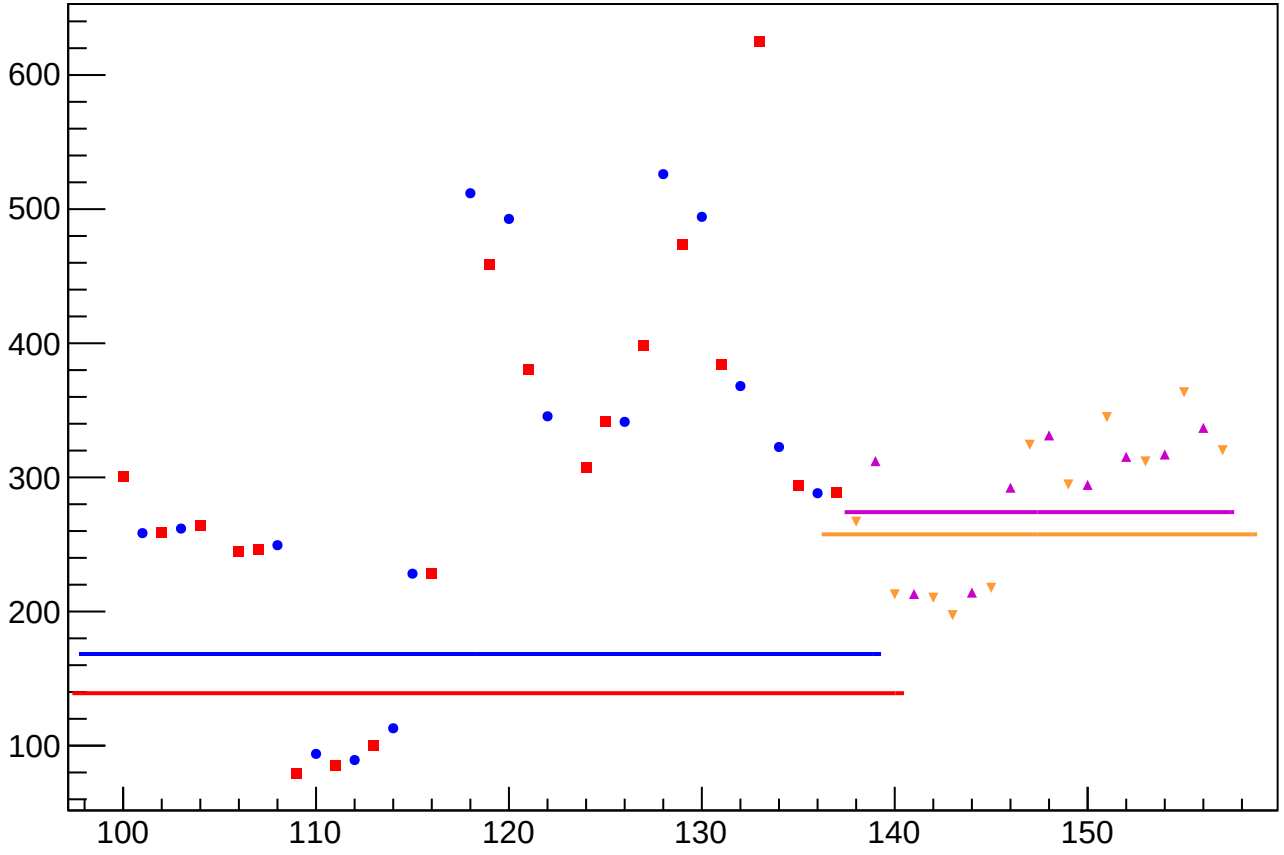
+ sign 58.347+/-0.010 χ^2/NDF: 335991.1/26

All: 58.467+/-0.007 χ^2/NDF: 717112.6/54

- sign 58.594+/-0.011 χ^2/NDF: 380846.5/27


asym_sam8_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -317.761+/-89.820 χ²/NDF:27.3/10
Right Out: 5.616+/-64.085 χ²/NDF: 11.6/18
Left In: -53.742+/-99.766 χ²/NDF:9.4/8
+ sign -198.052+/-58.112 χ²/NDF: 48.8/26
All: -97.923+/-39.526 χ²/NDF: 75.6/54
- sign -11.722+/-53.919 χ²/NDF: 21.2/27

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

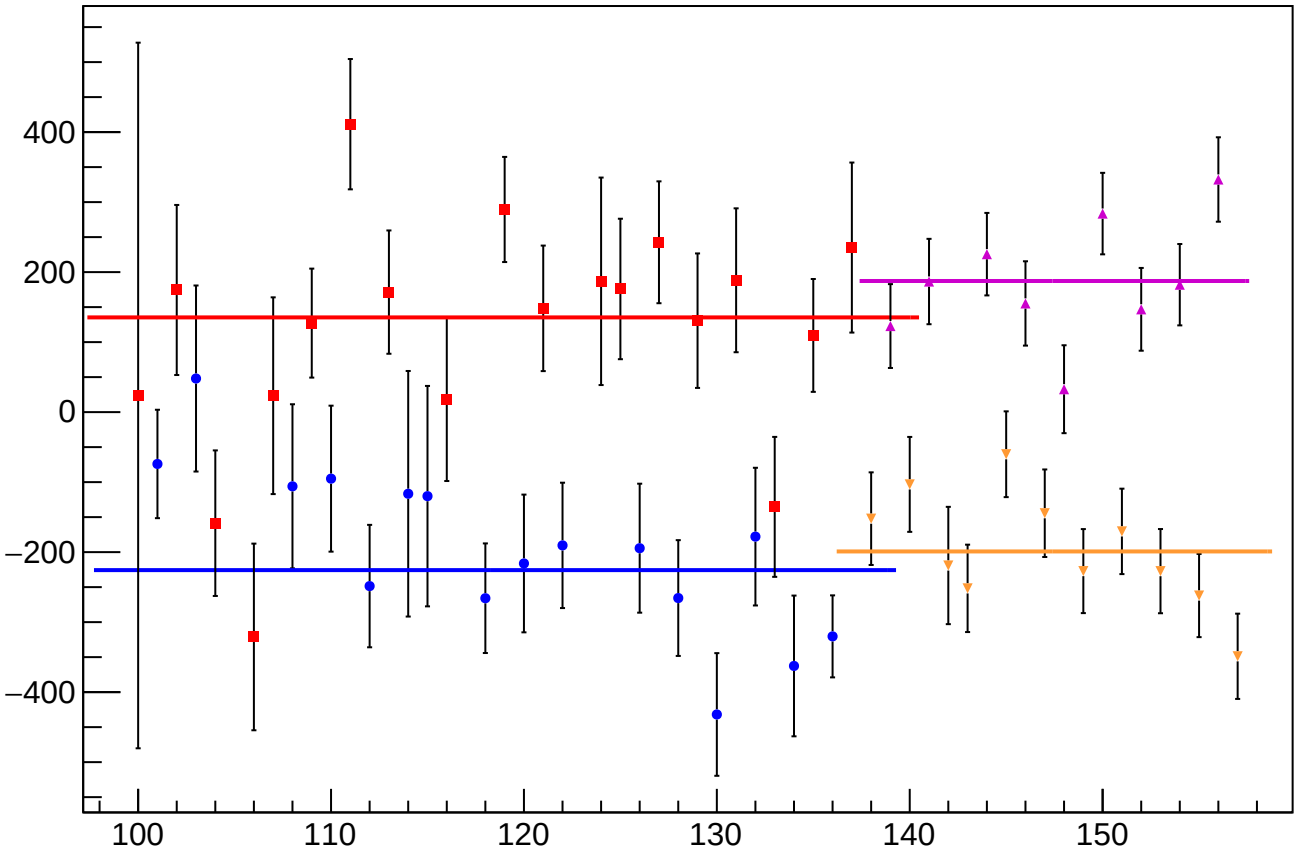
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 274.105+/-0.071 χ^2/NDF:493221.2/8

+ sign 205.676+/-0.041 χ^2/NDF: 6472904.2/26

All: 191.092+/-0.028 χ^2/NDF: 14922989.9/54

- sign 178.537+/-0.038 χ^2/NDF: 8215688.6/27



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.021+/-19.095 χ^2/NDF:17.0/10

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

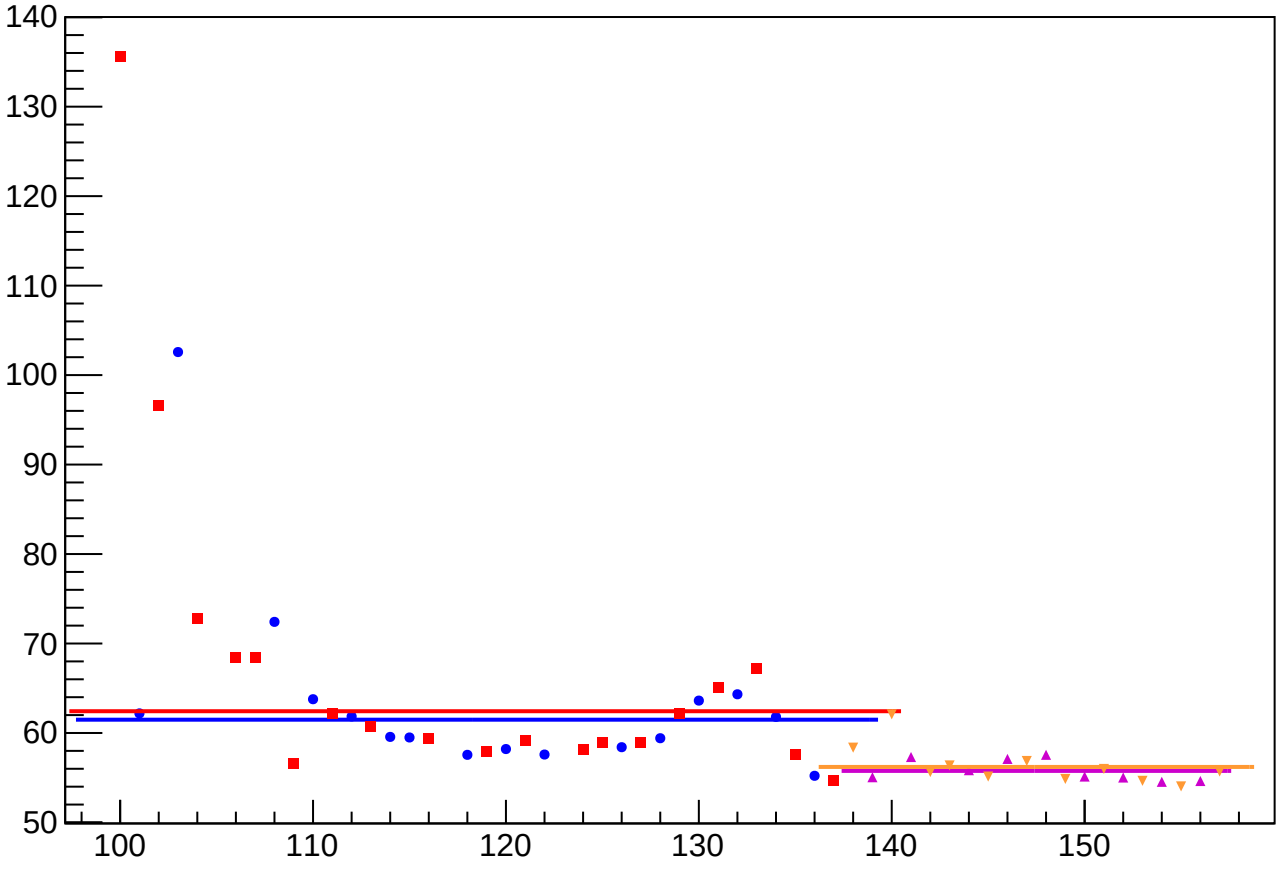
Left In: 187.318+/-19.931 χ^2/NDF:16.9/8

+ sign -209.837+/-14.722 χ^2/NDF: 40.4/26

All: -27.291+/-10.548 χ^2/NDF: 421.0/54

- sign 165.239+/-15.119 χ^2/NDF: 64.7/27

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.205+/-0.014 χ^2/NDF:23288.6/10

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

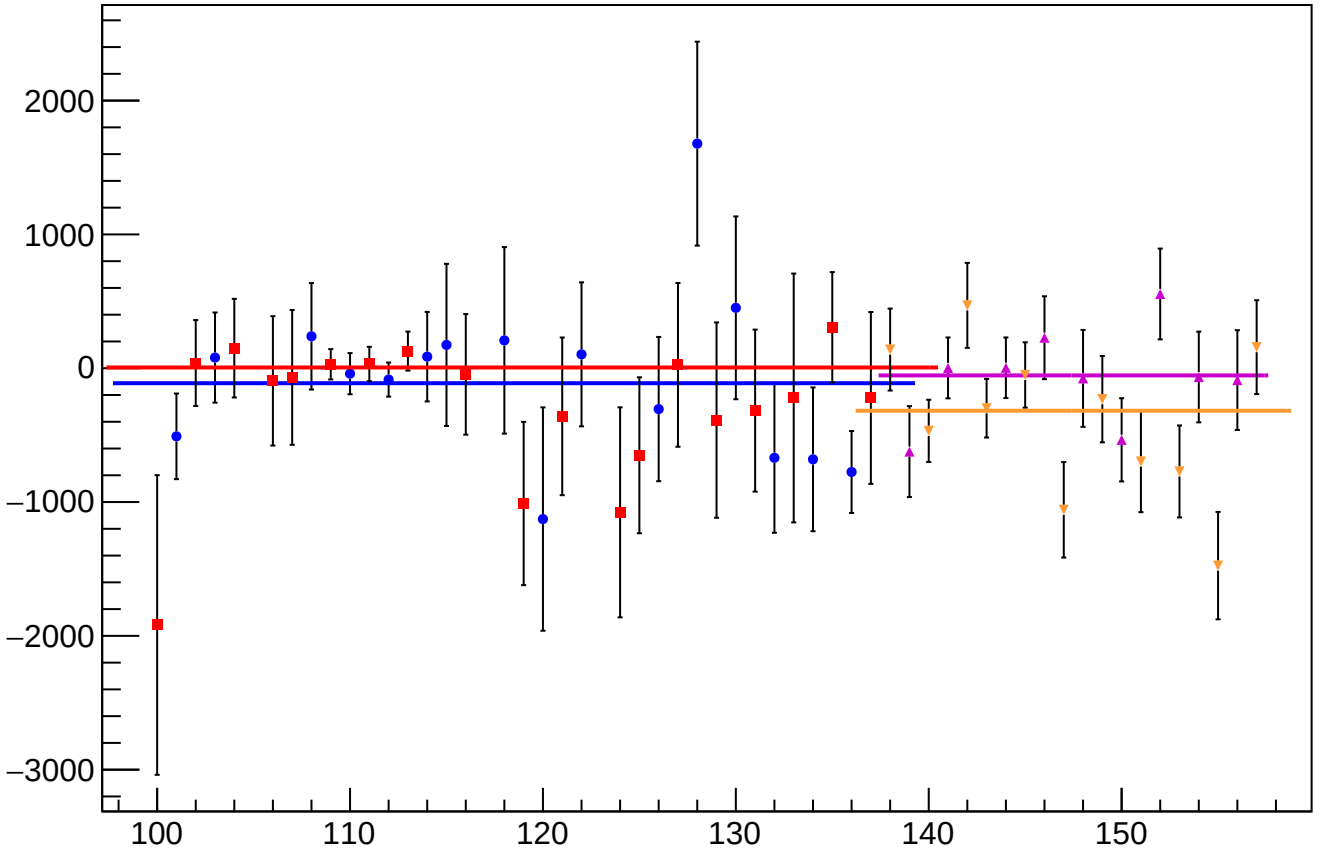
Left In: 55.763+/-0.014 χ^2/NDF:6342.5/8

+ sign 58.347+/-0.010 χ^2/NDF: 335991.1/26

All: 58.467+/-0.007 χ^2/NDF: 717112.6/54

- sign 58.594+/-0.011 χ^2/NDF: 380846.5/27

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -317.761+/-89.820 χ^2/NDF:27.3/10

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

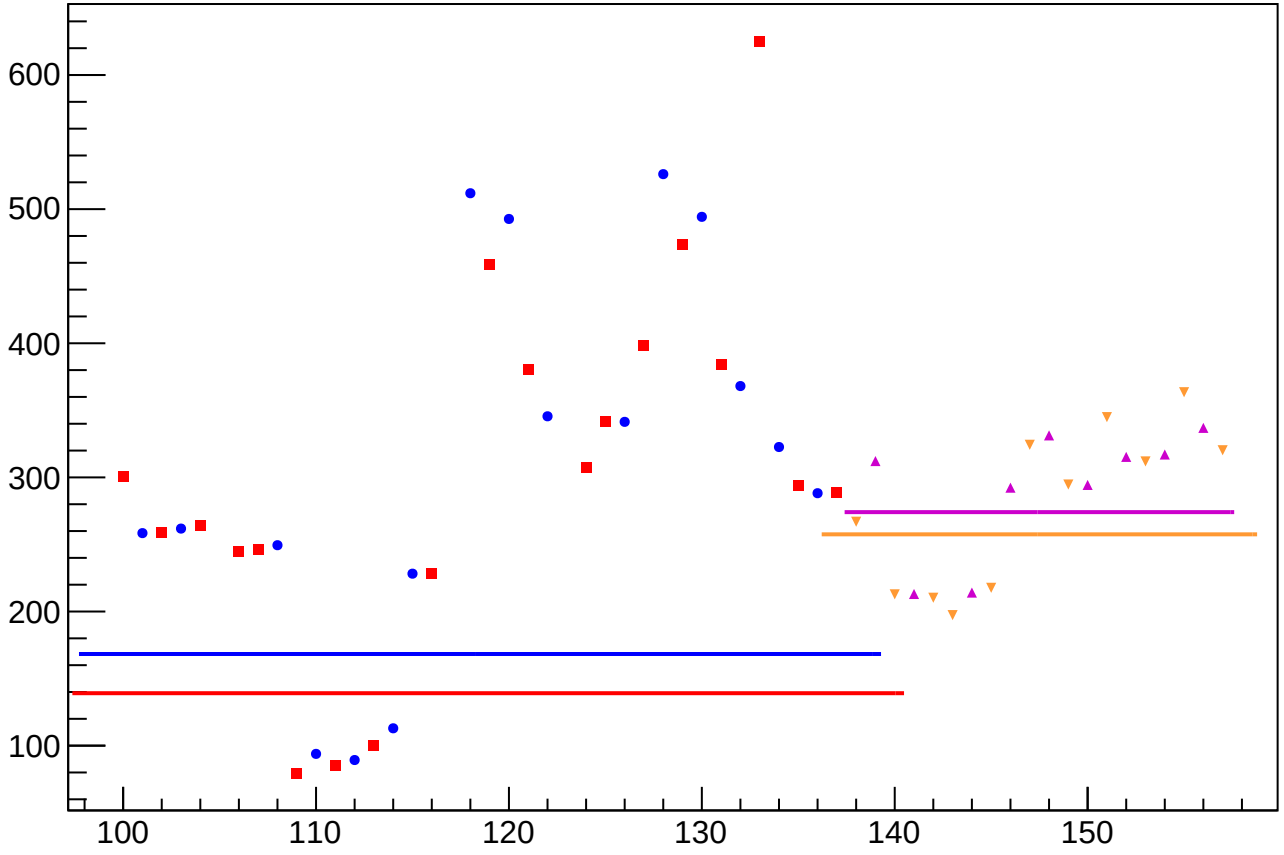
Left In: -53.742+/-99.766 χ^2/NDF:9.4/8

+ sign -198.052+/-58.112 χ^2/NDF: 48.8/26

All: -97.923+/-39.526 χ^2/NDF: 75.6/54

- sign -11.722+/-53.919 χ^2/NDF: 21.2/27

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.548+/-0.064 χ^2/NDF:781506.4/10

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

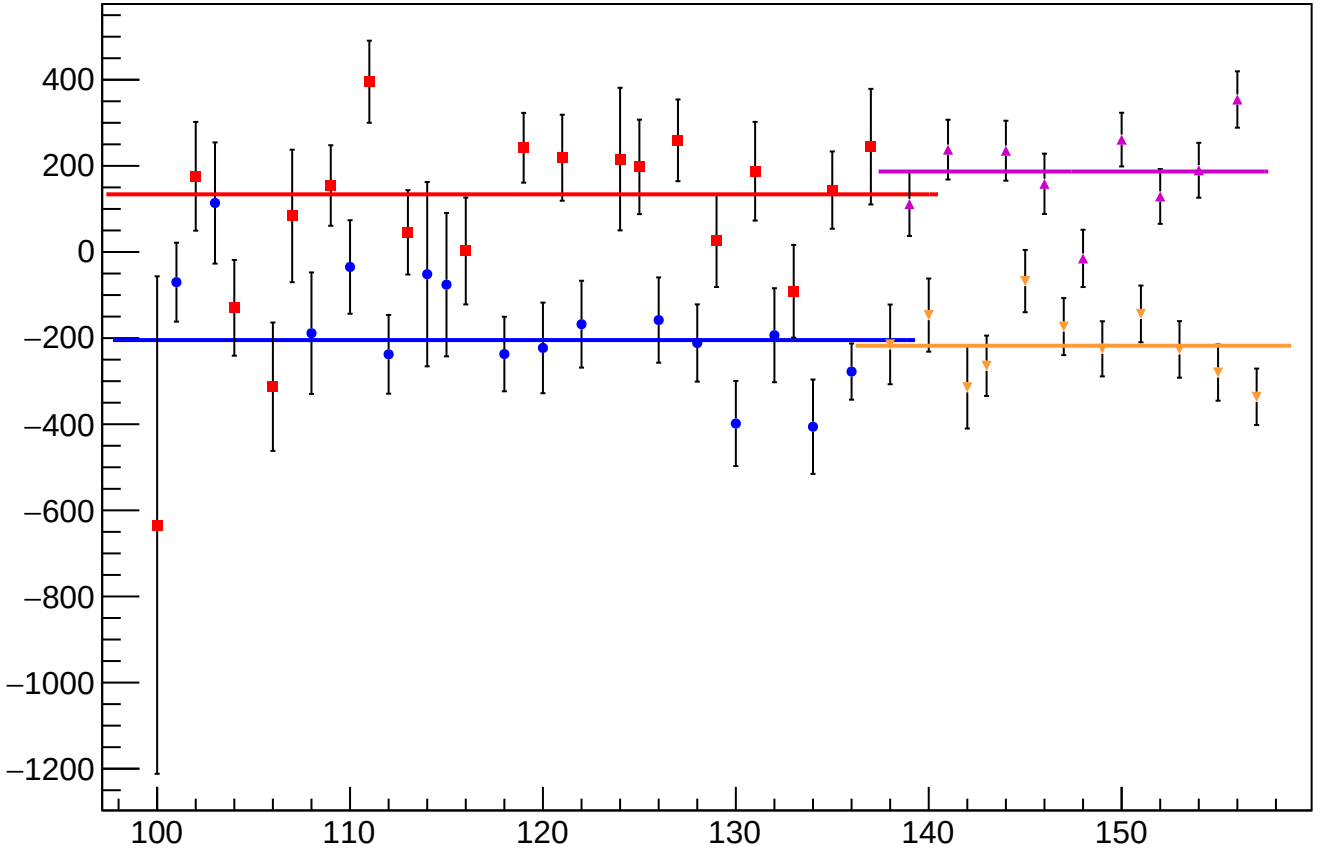
Left In: 274.105+/-0.071 χ^2/NDF:493221.2/8

+ sign 205.676+/-0.041 χ^2/NDF: 6472904.2/26

All: 191.092+/-0.028 χ^2/NDF: 14922989.9/54

- sign 178.537+/-0.038 χ^2/NDF: 8215688.6/27

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -217.647+/-21.512 χ^2/NDF:12.4/10

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

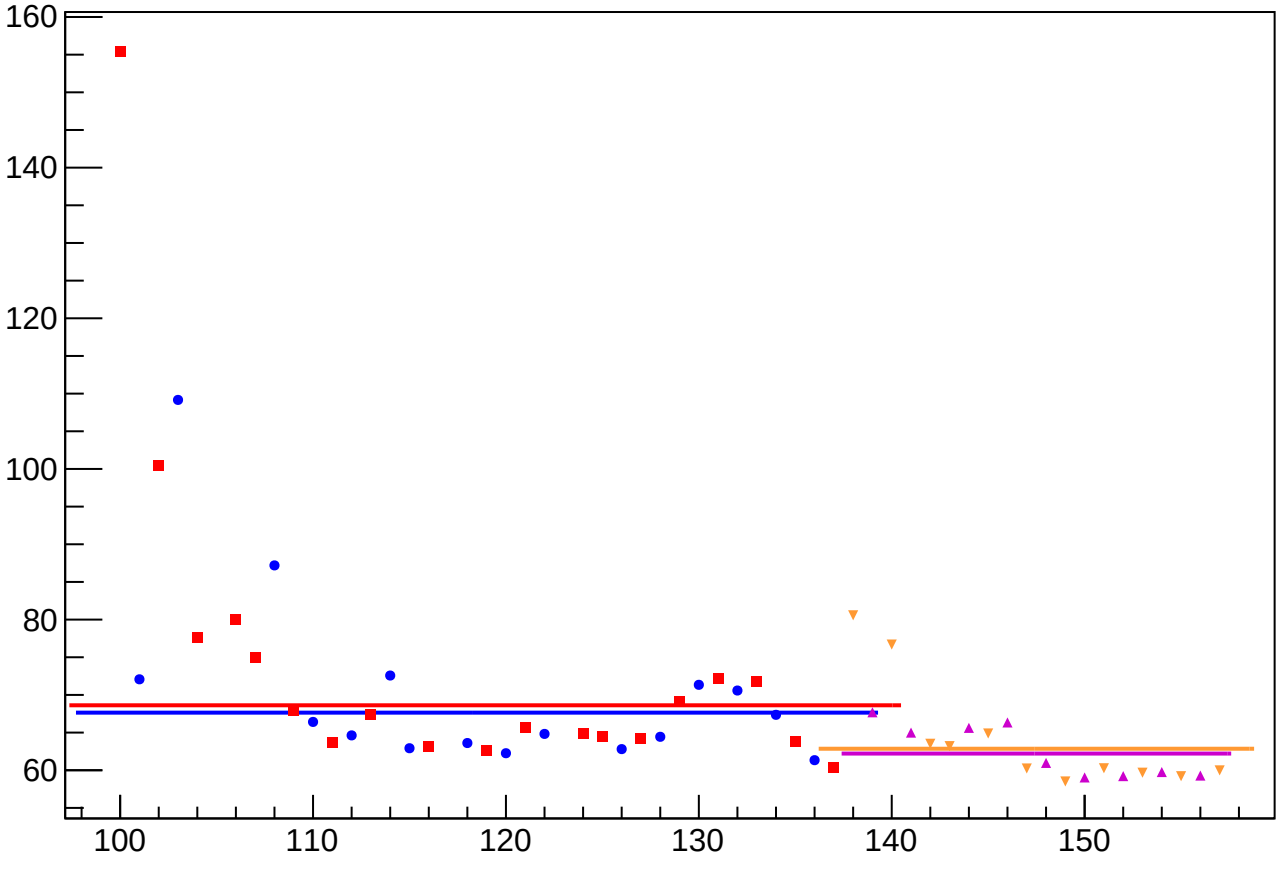
Left In: 186.881+/-22.307 χ^2/NDF:20.2/8

+ sign -212.219+/-16.449 χ^2/NDF: 32.5/26

All: -27.958+/-11.748 χ^2/NDF: 348.6/54

- sign 163.907+/-16.785 χ^2/NDF: 59.9/27

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.855+/-0.015 χ^2/NDF:158283.7/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

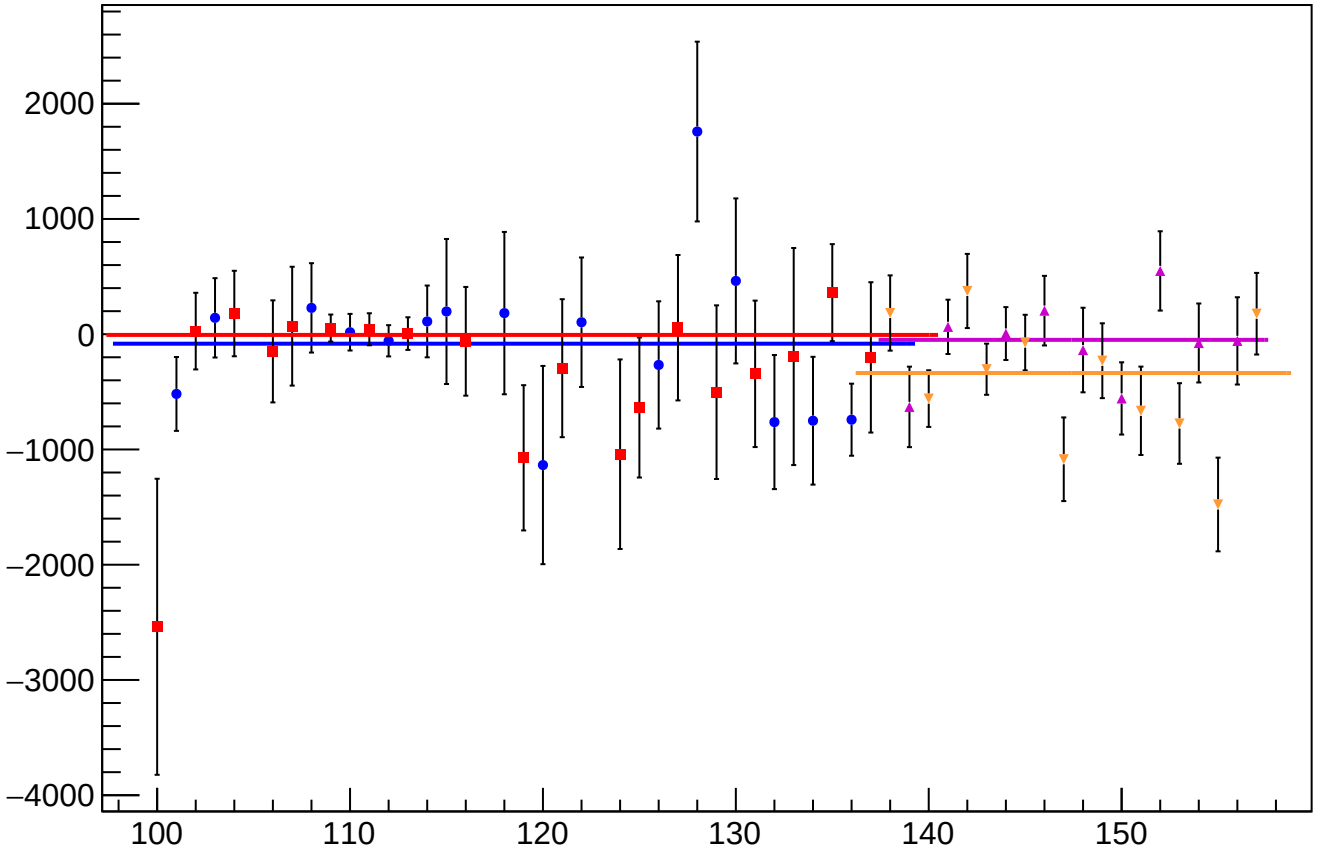
Left In: 62.215+/-0.016 χ^2/NDF:43141.3/8

+ sign 64.846+/-0.012 χ^2/NDF: 463171.4/26

All: 64.919+/-0.008 χ^2/NDF: 826169.7/54

- sign 64.996+/-0.012 χ^2/NDF: 362917.0/27

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -336.538+/-91.618 χ^2/NDF:26.1/10

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

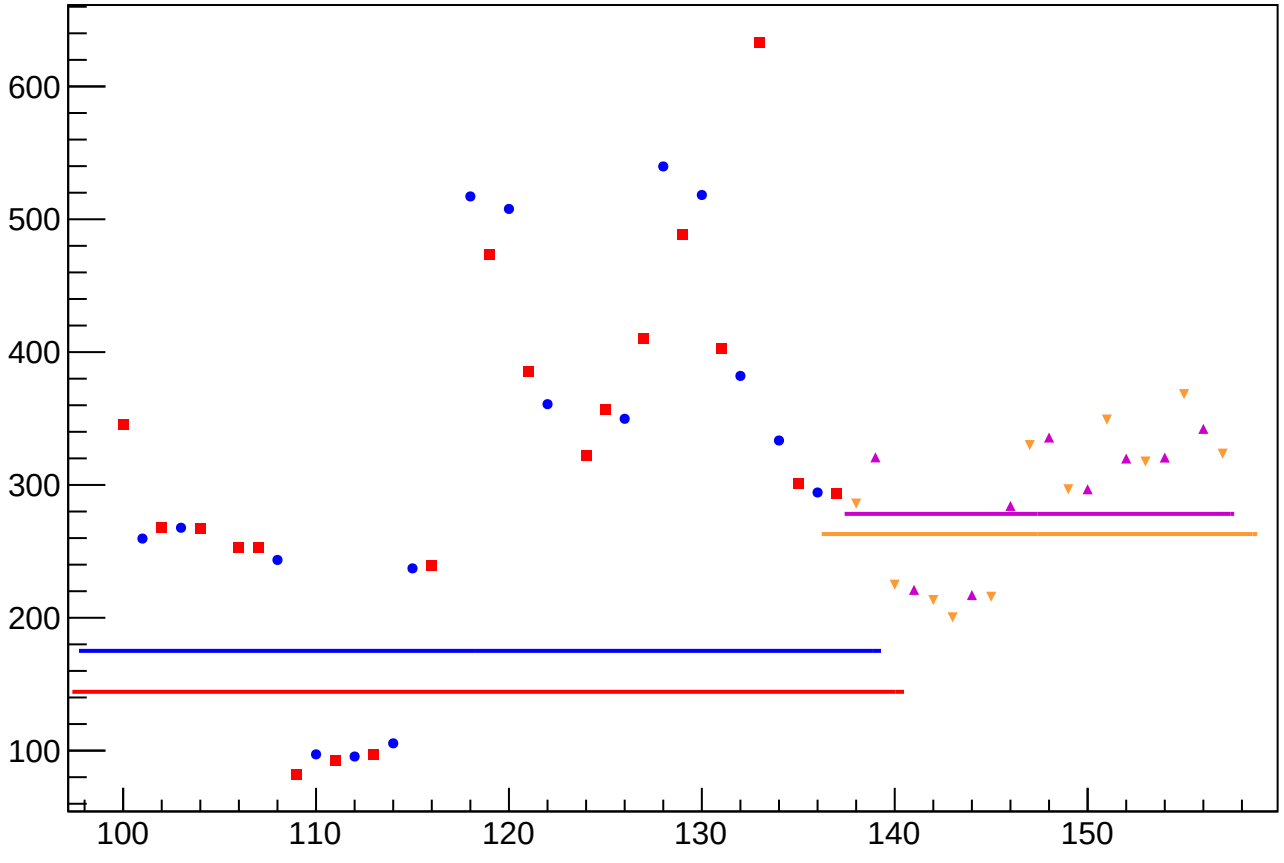
Left In: -48.884+/-101.164 χ^2/NDF:9.5/8

+ sign -190.167+/-59.688 χ^2/NDF: 49.8/26

All: -97.848+/-40.536 χ^2/NDF: 75.8/54

- sign -18.823+/-55.224 χ^2/NDF: 21.7/27

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 263.038+/-0.065 χ^2/NDF:773611.8/10

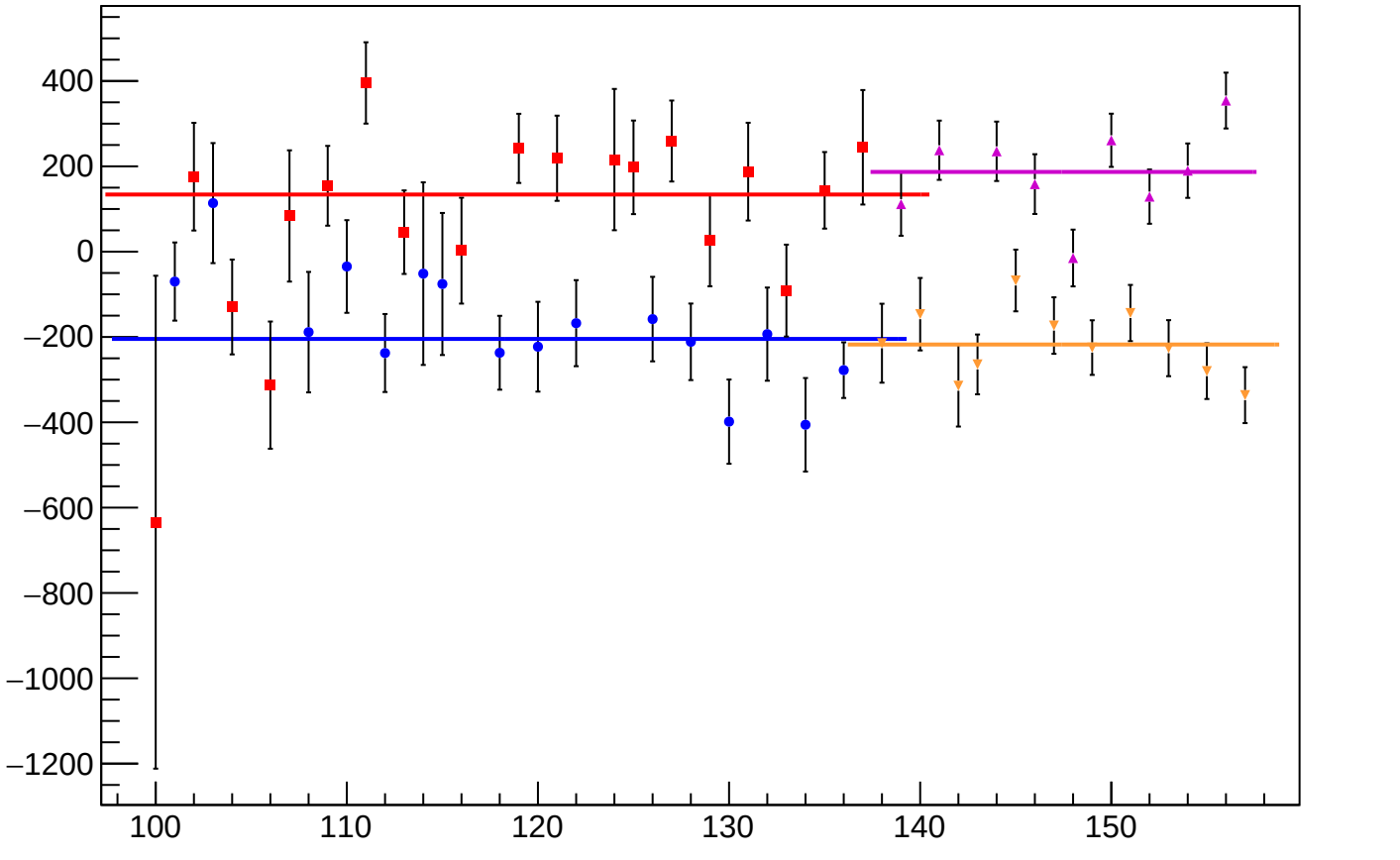
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 278.230+/-0.072 χ^2/NDF:463408.1/8

+ sign 212.424+/-0.042 χ^2/NDF: 6263224.3/26

All: 197.213+/-0.029 χ^2/NDF: 14561806.0/54

- sign 184.192+/-0.039 χ^2/NDF: 8057508.4/27



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -217.646+/-21.512 χ^2/NDF:12.4/10

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

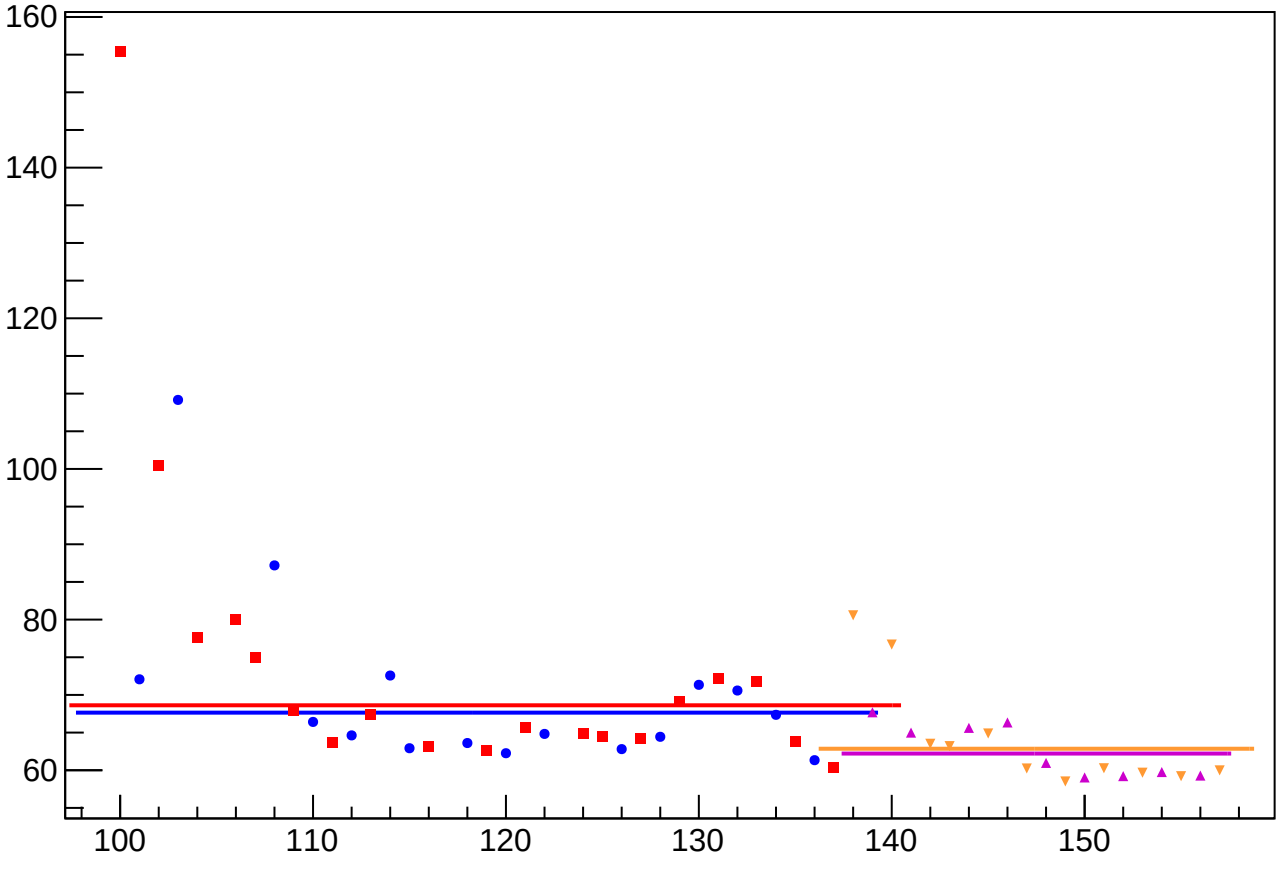
Left In: 186.881+/-22.307 χ^2/NDF:20.2/8

+ sign -212.218+/-16.449 χ^2/NDF: 32.5/26

All: -27.957+/-11.748 χ^2/NDF: 348.6/54

- sign 163.908+/-16.785 χ^2/NDF: 59.9/27

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.856+/-0.015 χ^2/NDF:158282.6/10

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

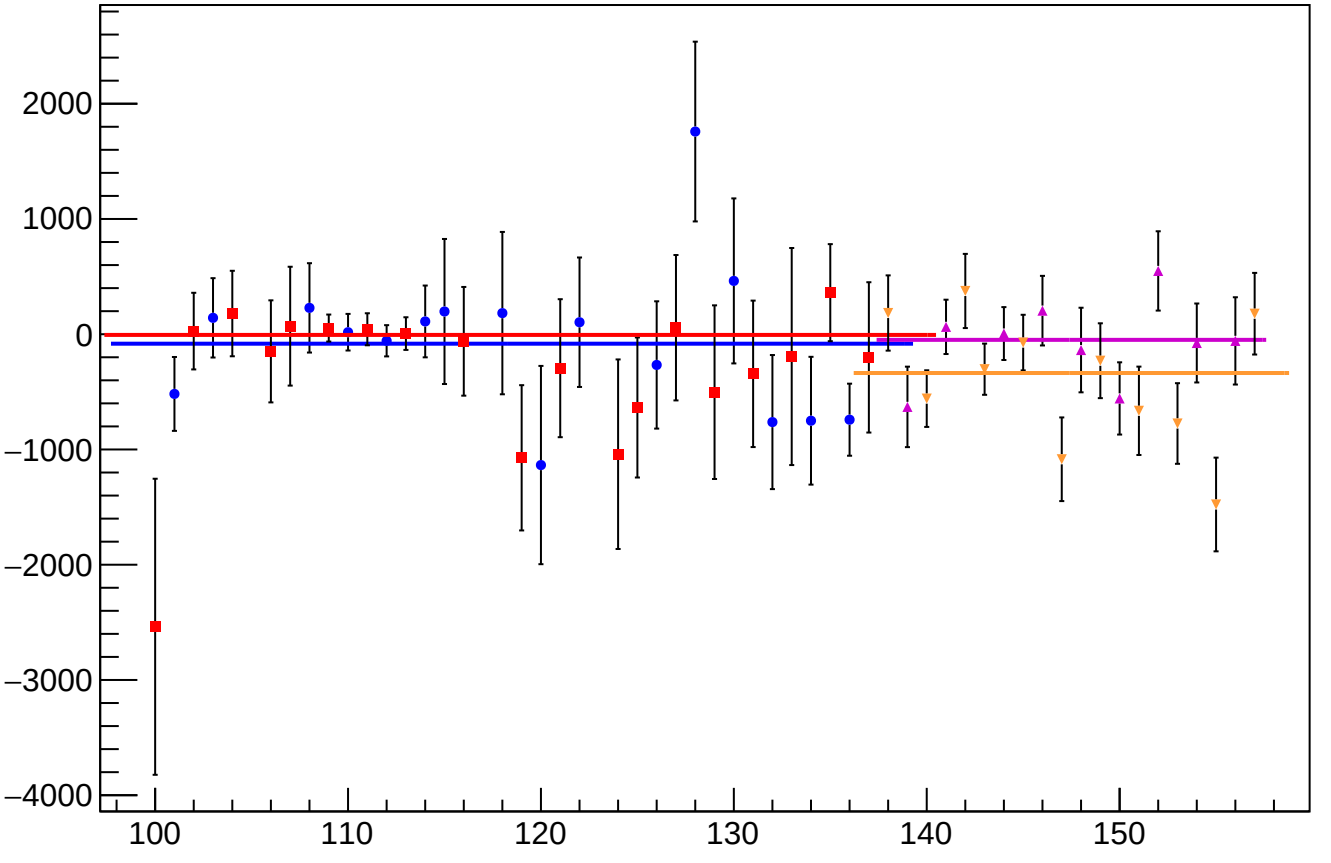
Left In: 62.215+/-0.016 χ^2/NDF:43141.9/8

+ sign 64.846+/-0.012 χ^2/NDF: 463165.1/26

All: 64.919+/-0.008 χ^2/NDF: 826159.3/54

- sign 64.996+/-0.012 χ^2/NDF: 362912.9/27

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -336.537+/-91.617 χ^2/NDF:26.1/10

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

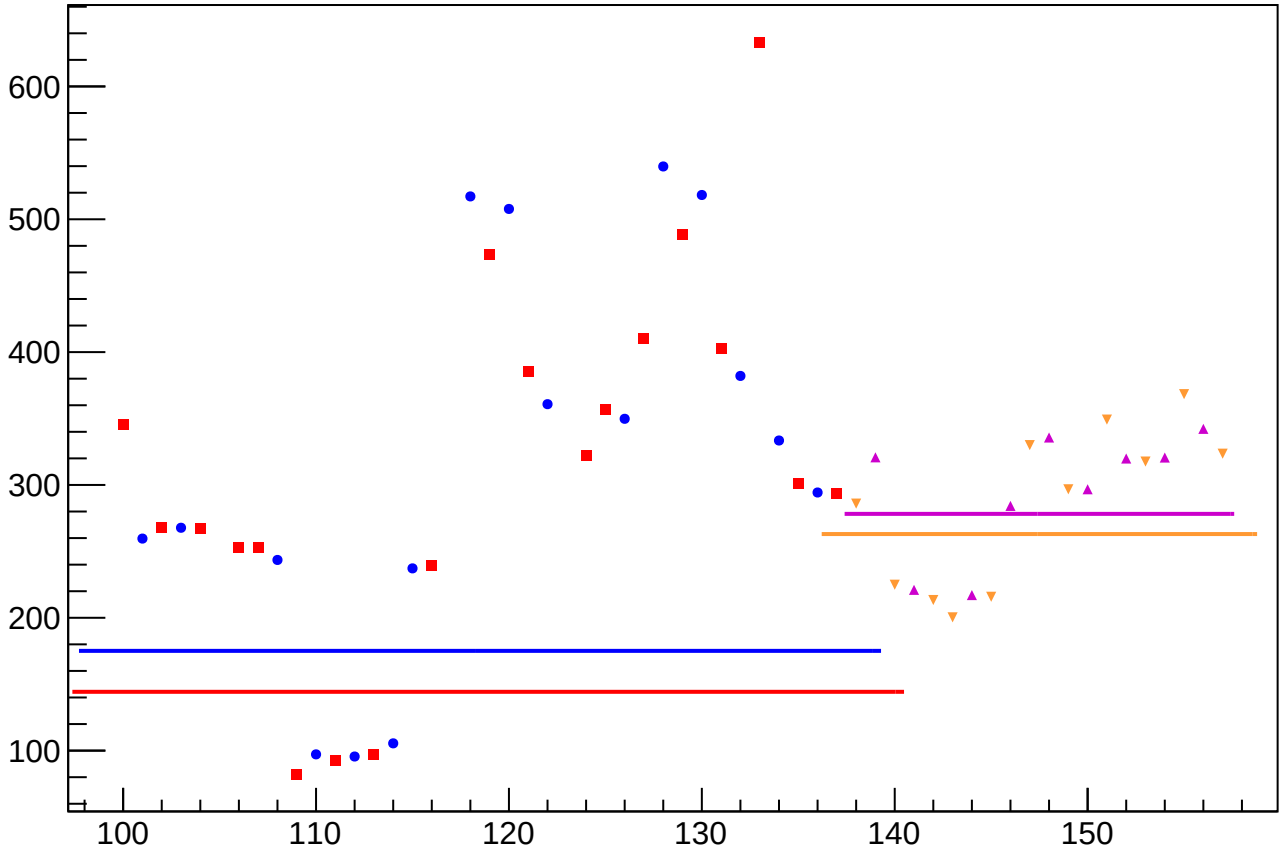
Left In: -48.884+/-101.164 χ^2/NDF:9.5/8

+ sign -190.165+/-59.688 χ^2/NDF: 49.8/26

All: -97.848+/-40.535 χ^2/NDF: 75.8/54

- sign -18.822+/-55.224 χ^2/NDF: 21.7/27

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 263.037+/-0.065 χ^2/NDF:773619.4/10

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

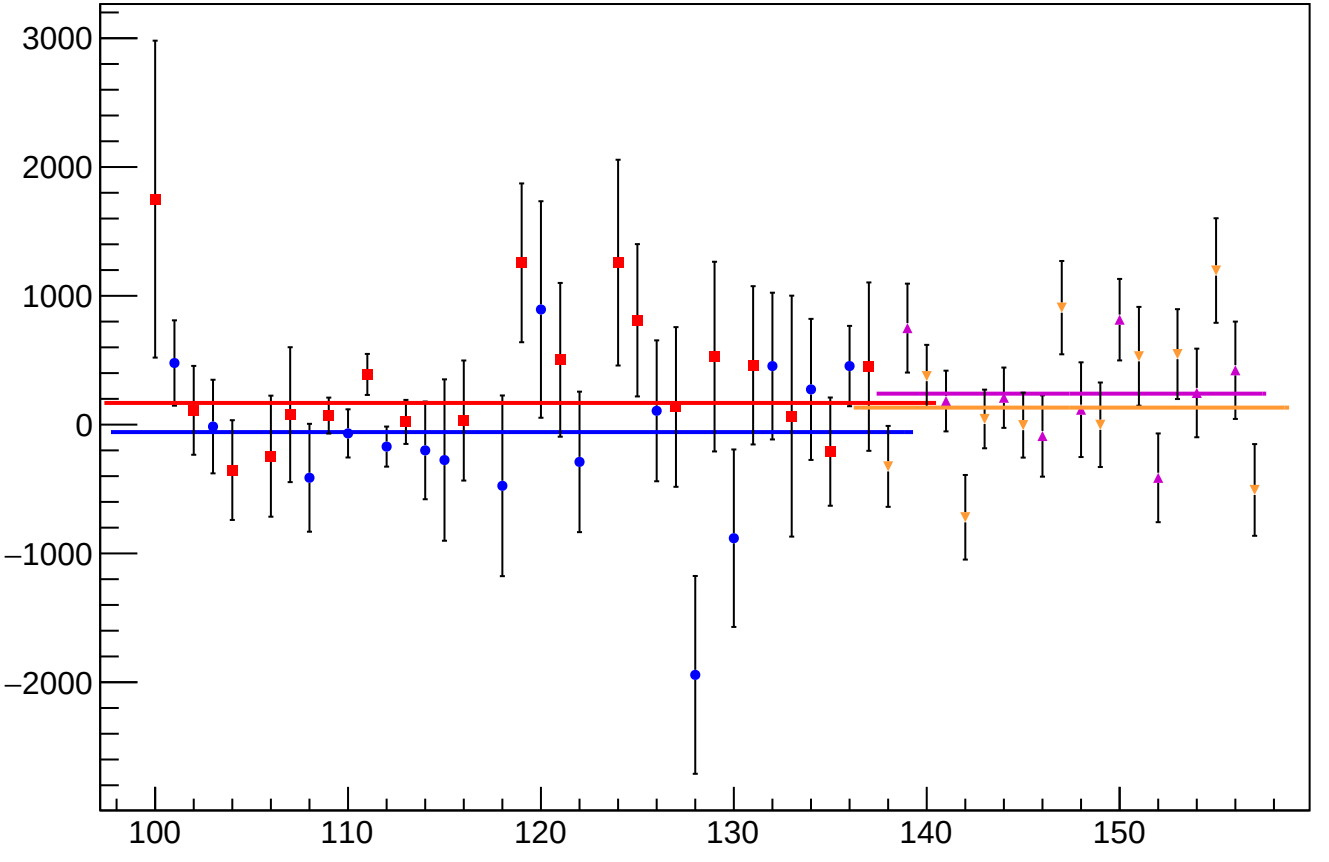
Left In: 278.229+/-0.072 χ^2/NDF:463408.9/8

+ sign 212.423+/-0.042 χ^2/NDF: 6263270.8/26

All: 197.212+/-0.029 χ^2/NDF: 14561811.4/54

- sign 184.192+/-0.039 χ^2/NDF: 8057480.7/27

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 132.172+/-92.343 χ^2/NDF:27.6/10

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

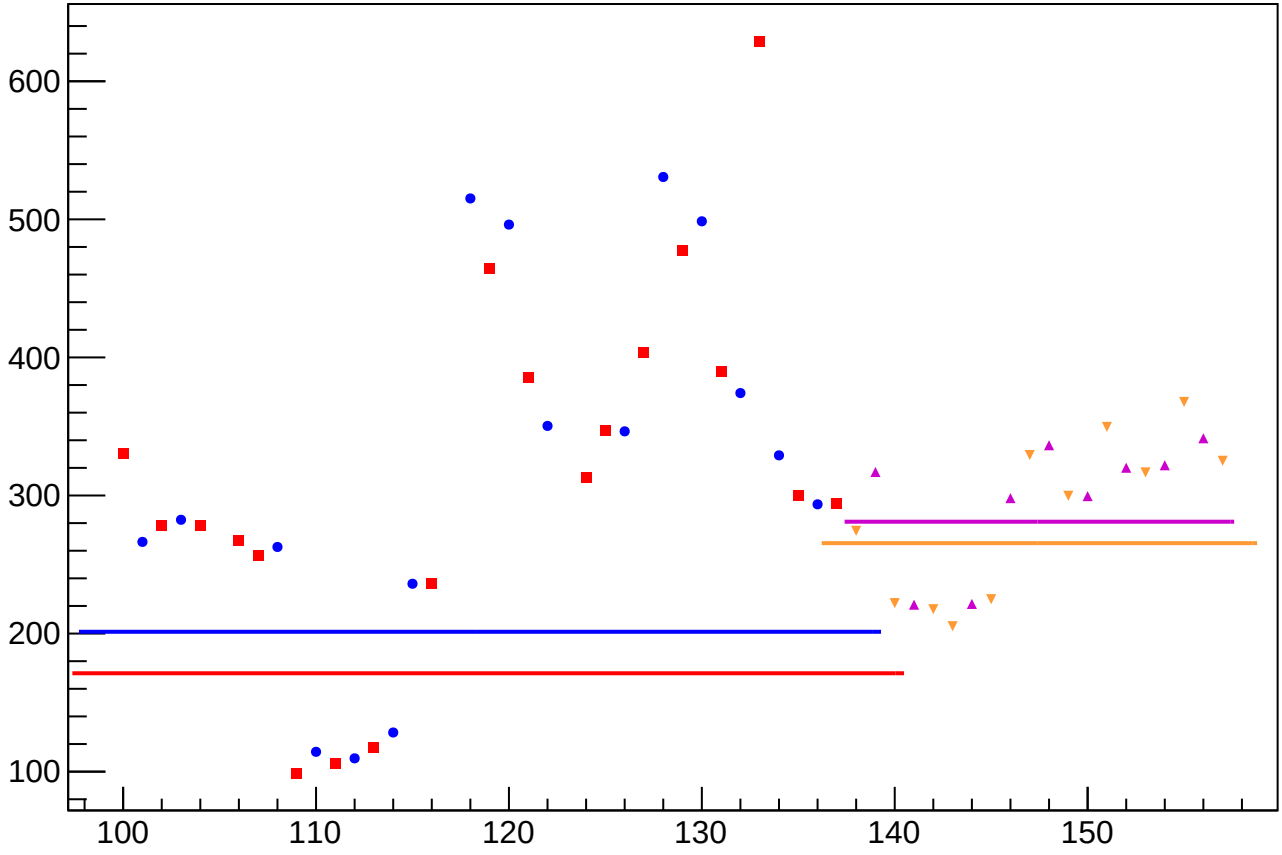
Left In: 240.442+/-102.096 χ^2/NDF:10.6/8

\+ sign 31.322+/-63.281 χ^2/NDF: 47.3/26

All: 116.370+/-43.629 χ^2/NDF: 77.1/54

\- sign 193.423+/-60.233 χ^2/NDF: 26.4/27

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 265.486+/-0.065 χ^2/NDF:706126.3/10

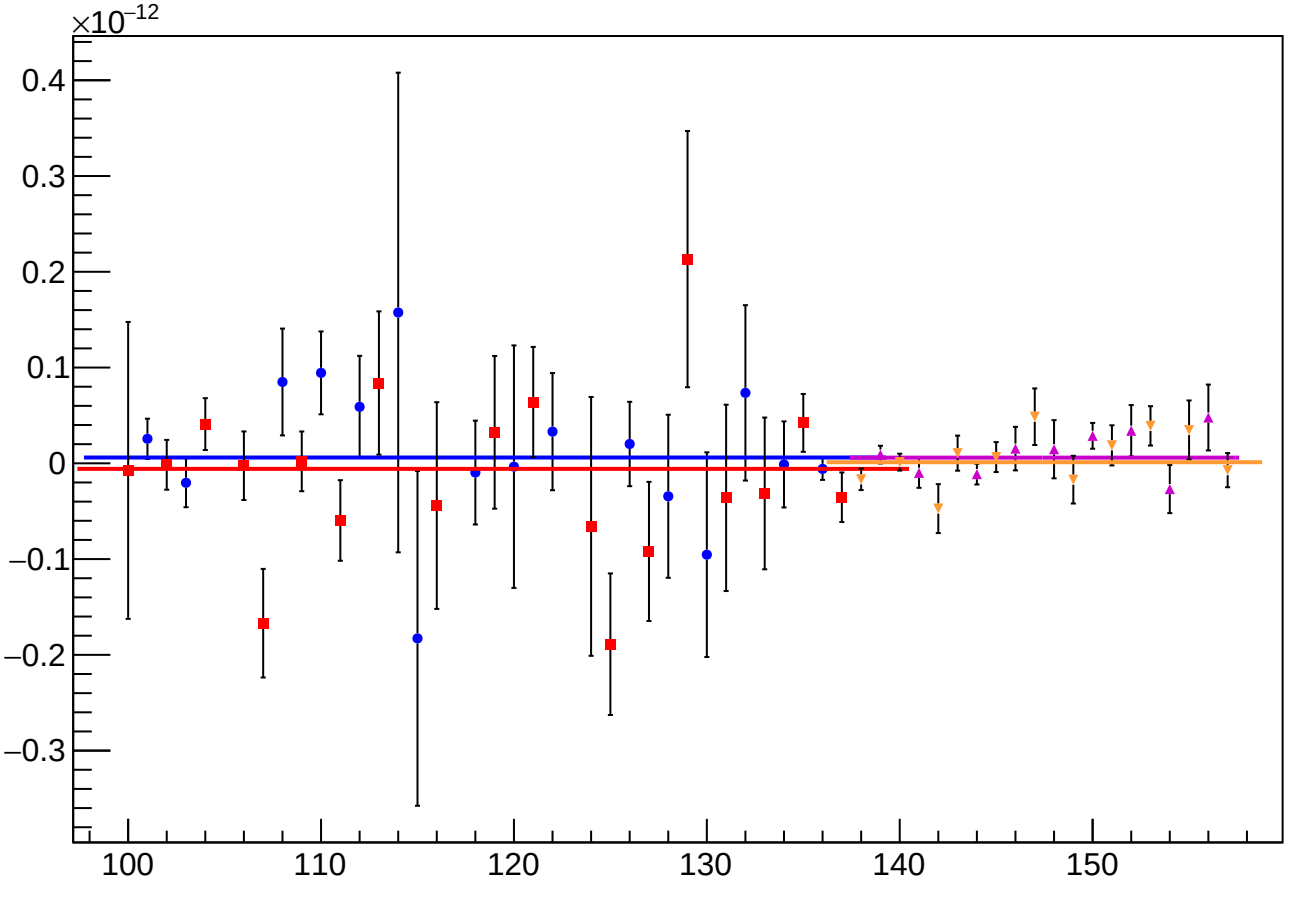
Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 281.013+/-0.072 χ^2/NDF:444397.2/8

+ sign 231.443+/-0.045 χ^2/NDF: 4790804.5/26

All: 219.906+/-0.031 χ^2/NDF: 11061475.0/54

- sign 209.454+/-0.043 χ^2/NDF: 6143978.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/10

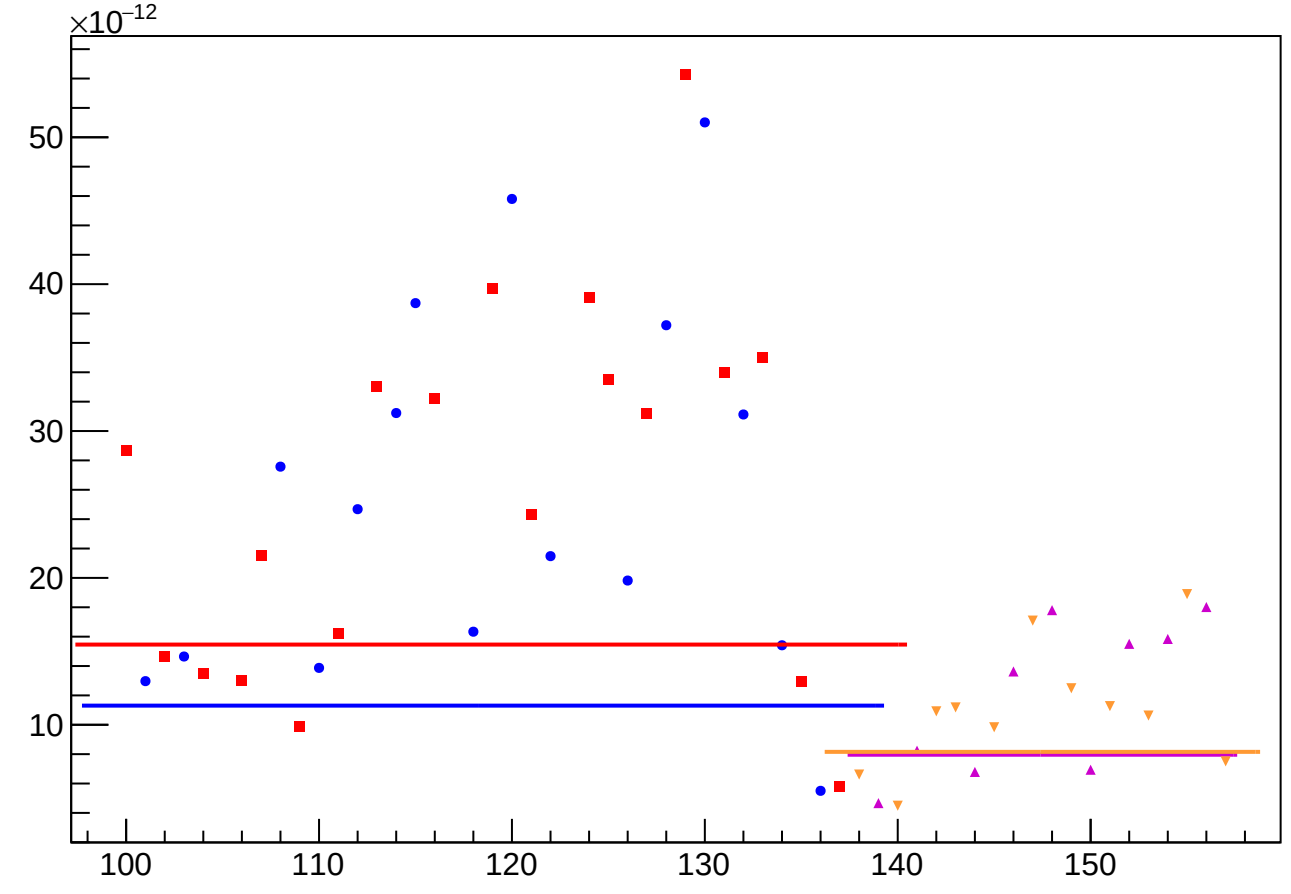
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.2/26

All: 0.000+/-0.000 χ^2/NDF: 71.8/54

- sign 0.000+/-0.000 χ^2/NDF: 42.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1046593.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

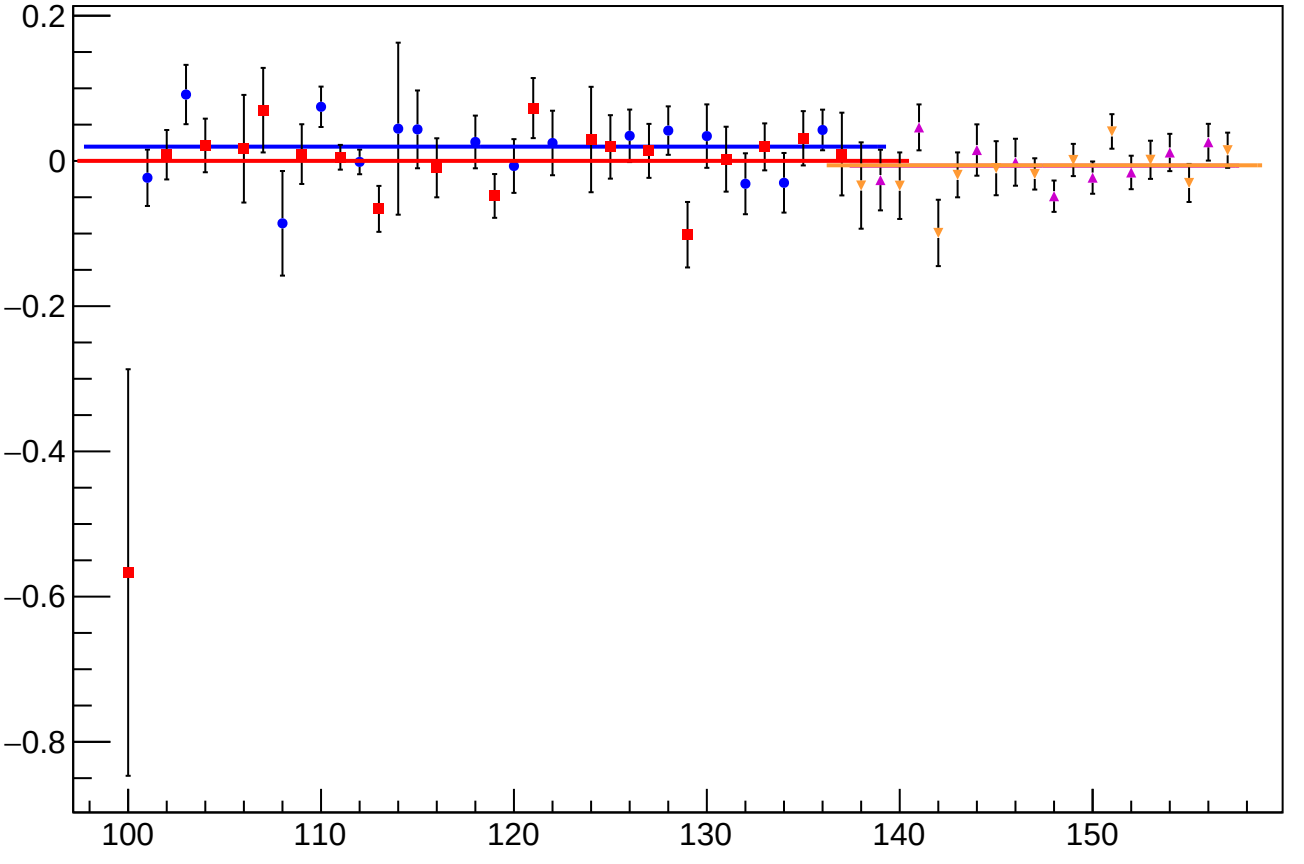
Left In: 0.000+/-0.000 χ^2/NDF:1150734.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 3049251.6/26

All: 0.000+/-0.000 χ^2/NDF: 6514315.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3450662.0/27

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

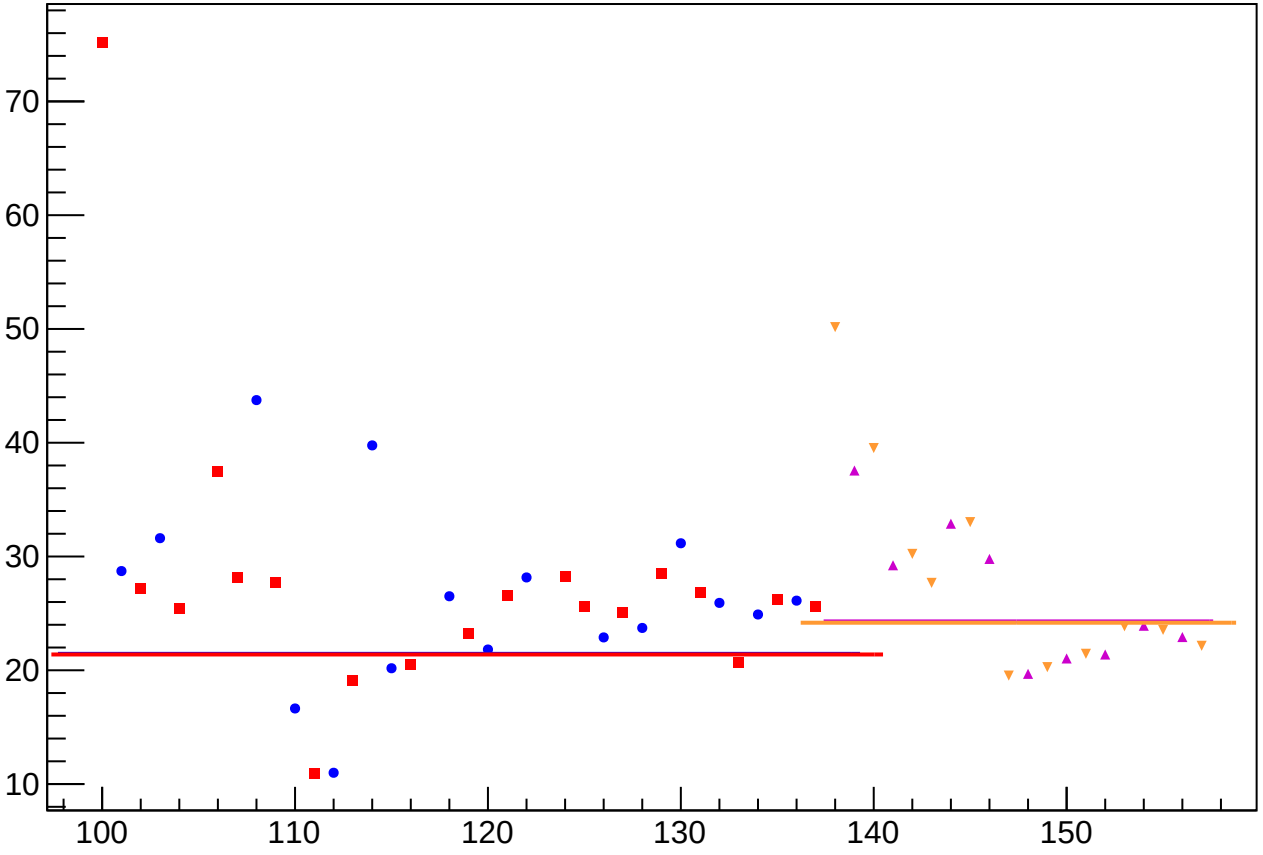
Left In: -0.007+/-0.009 χ^2/NDF:10.0/8

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.002+/-0.004 χ^2/NDF: 66.8/54

- sign -0.003+/-0.006 χ^2/NDF: 33.2/27

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

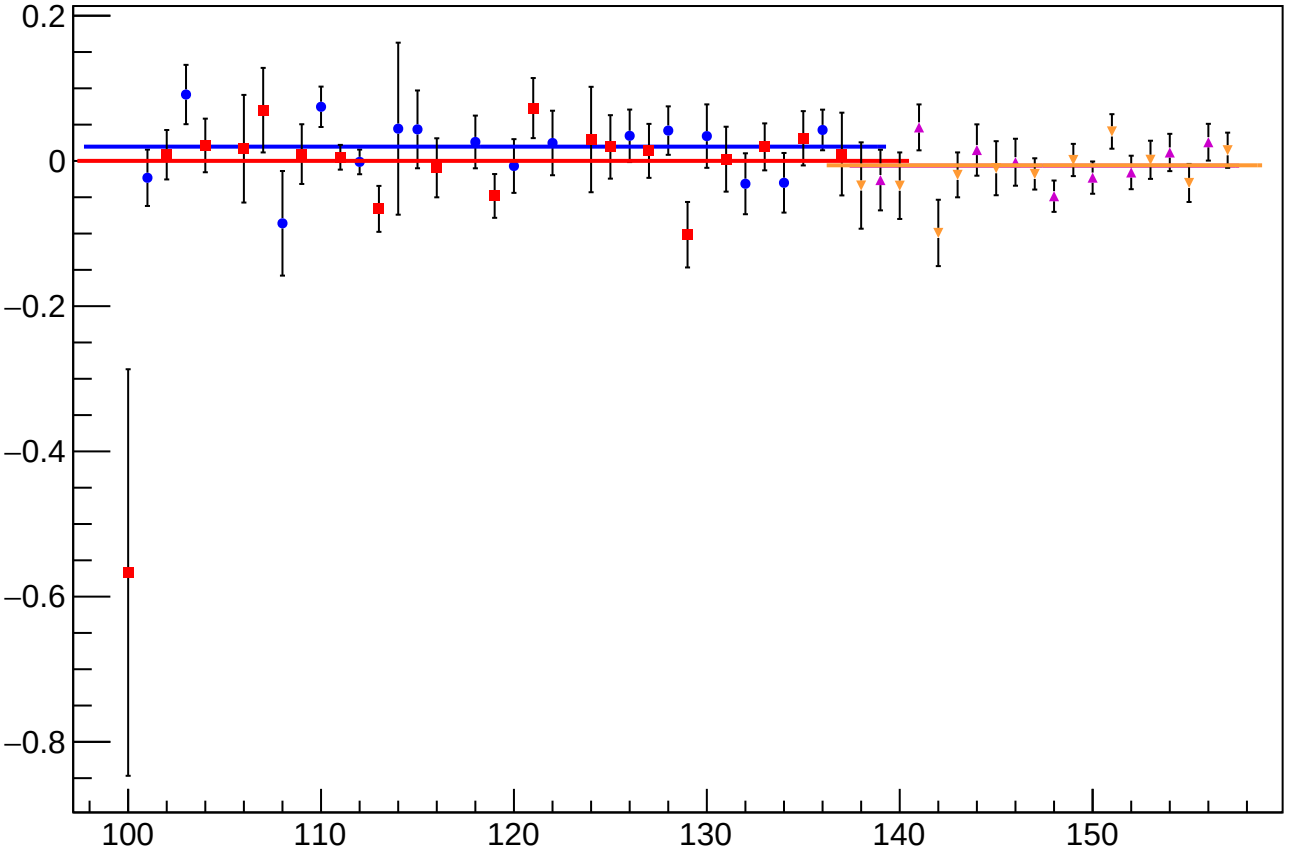
Left In: 24.295+/-0.006 χ^2/NDF:598333.3/8

+ sign 22.828+/-0.004 χ^2/NDF: 2617621.0/26

All: 22.798+/-0.003 χ^2/NDF: 4638619.0/54

- sign 22.767+/-0.004 χ^2/NDF: 2020899.9/27

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

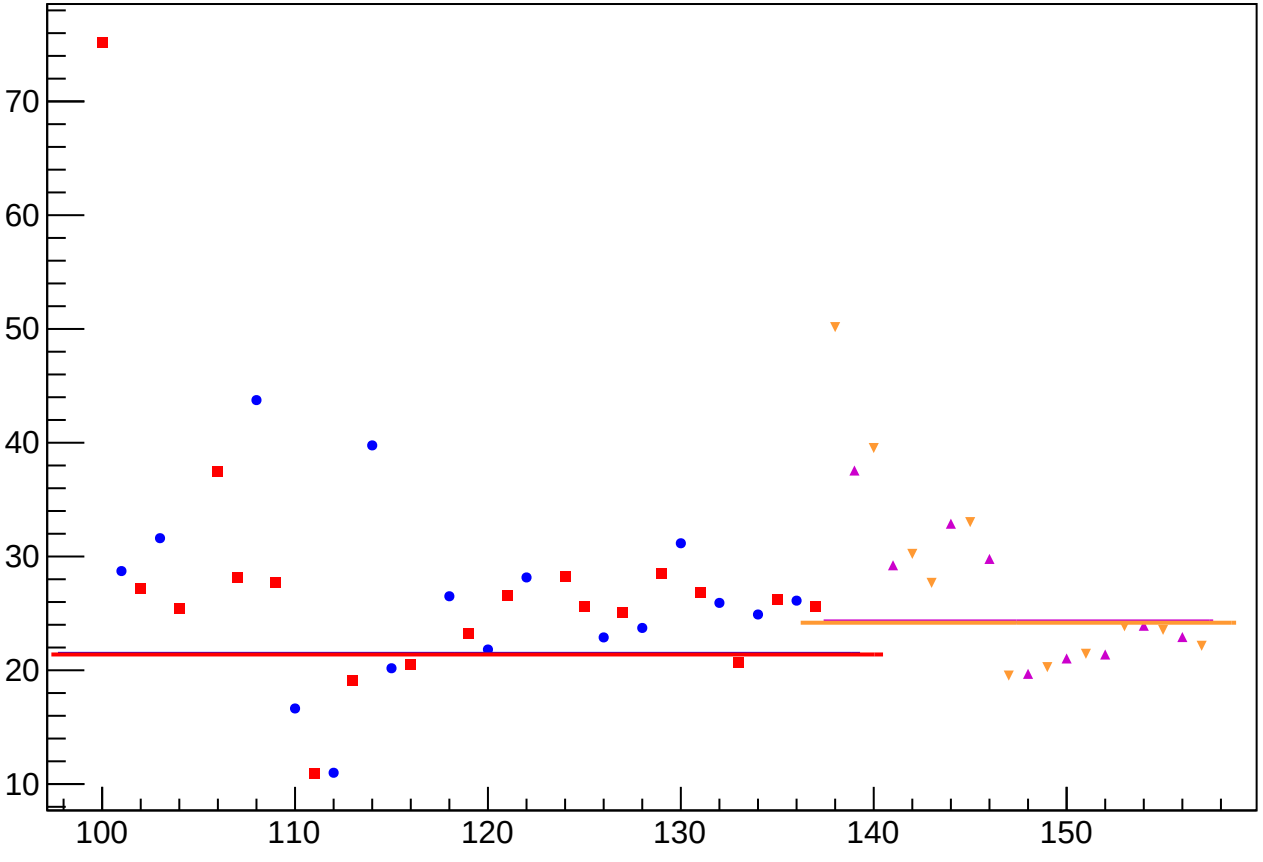
Left In: -0.007+/-0.009 χ^2/NDF:10.0/8

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.002+/-0.004 χ^2/NDF: 66.8/54

- sign -0.003+/-0.006 χ^2/NDF: 33.2/27

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.180+/-0.006 χ^2/NDF:976460.8/10

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

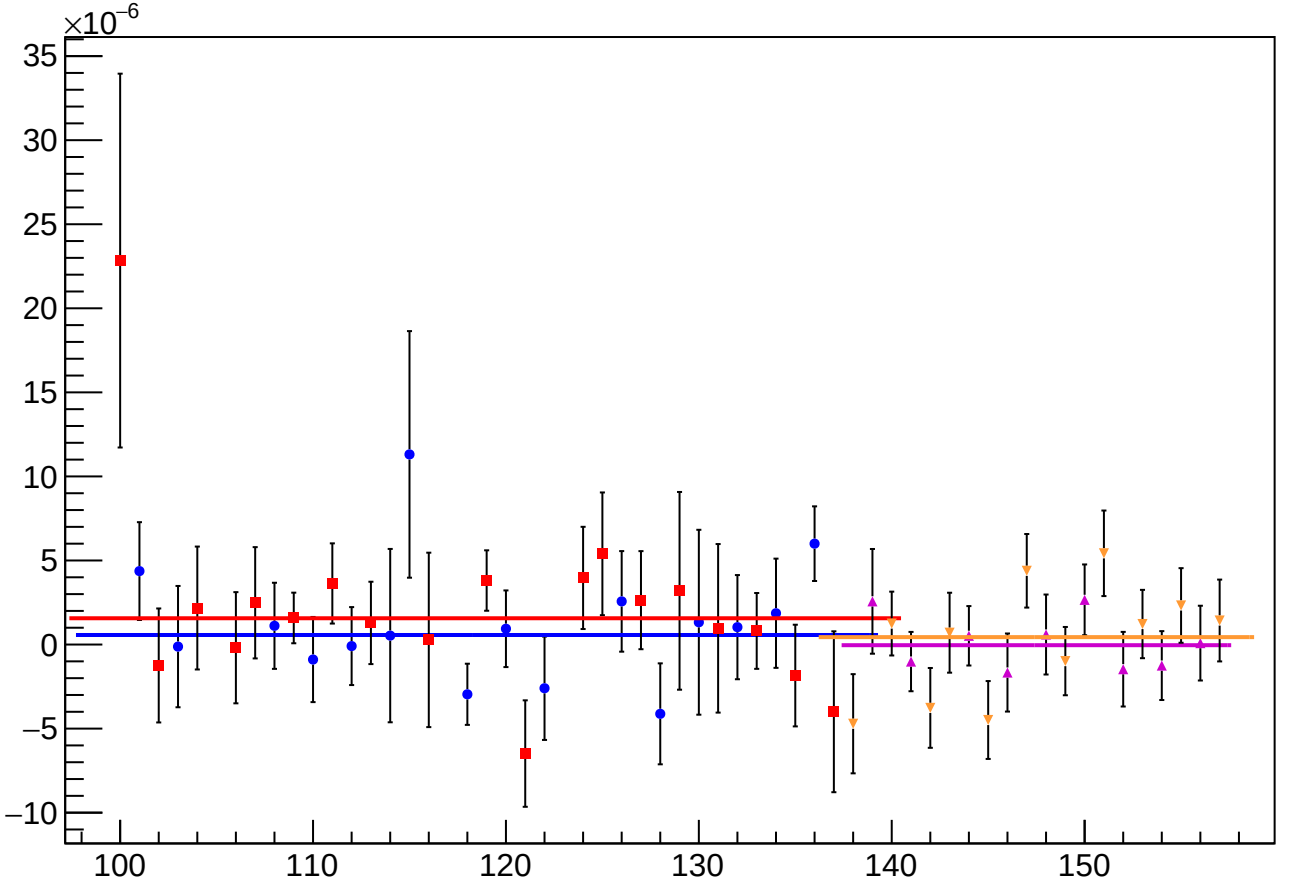
Left In: 24.295+/-0.006 χ^2/NDF:598333.3/8

+ sign 22.828+/-0.004 χ^2/NDF: 2617621.0/26

All: 22.798+/-0.003 χ^2/NDF: 4638619.0/54

- sign 22.767+/-0.004 χ^2/NDF: 2020899.9/27

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/10

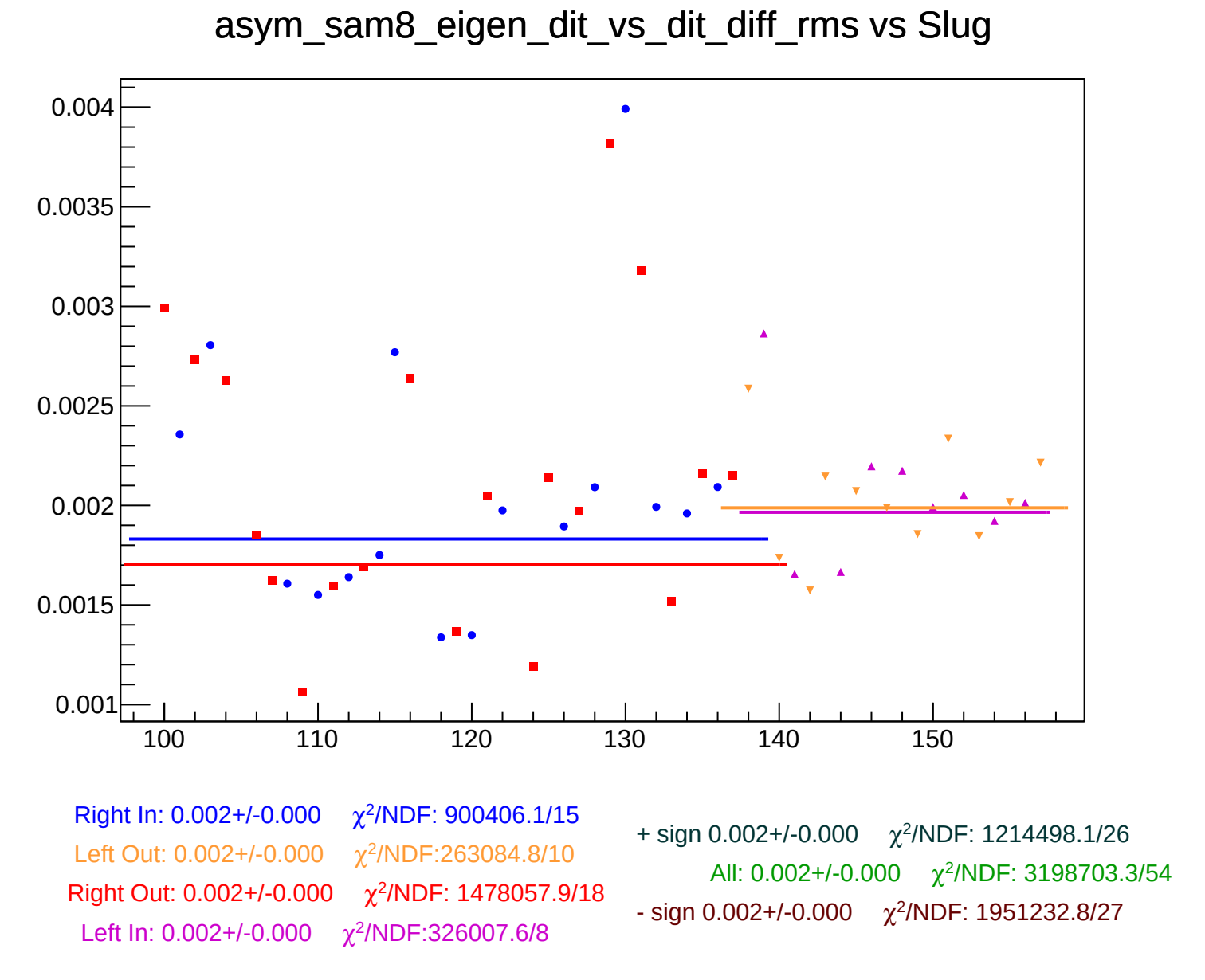
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/8

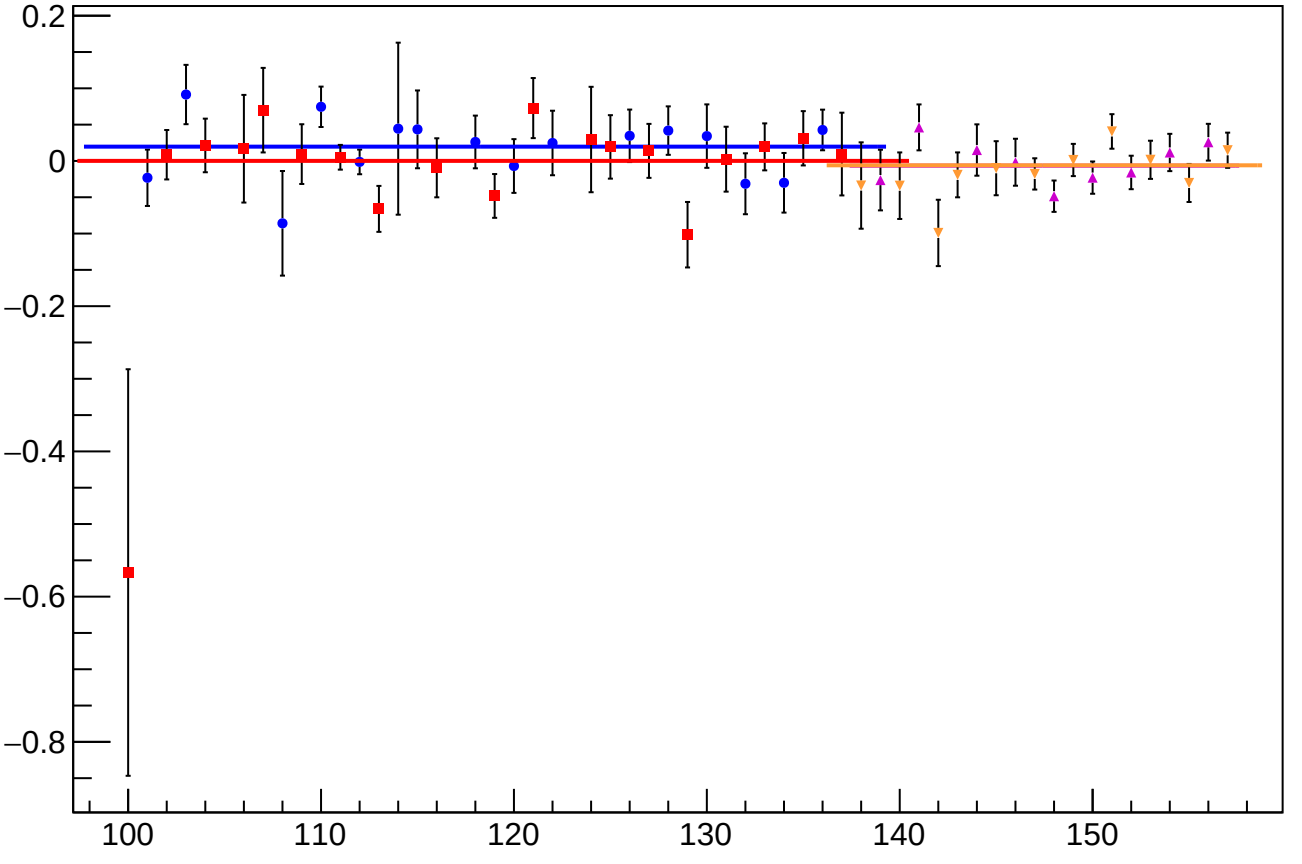
+ sign 0.000+/-0.000 χ^2/NDF: 37.8/26

All: 0.000+/-0.000 χ^2/NDF: 63.1/54

- sign 0.000+/-0.000 χ^2/NDF: 25.1/27


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 900406.1/15
Left Out: 0.002+/-0.000 χ²/NDF:263084.8/10
Right Out: 0.002+/-0.000 χ²/NDF: 1478057.9/18
Left In: 0.002+/-0.000 χ²/NDF:326007.6/8
+ sign 0.002+/-0.000 χ²/NDF: 1214498.1/26
All: 0.002+/-0.000 χ²/NDF: 3198703.3/54
- sign 0.002+/-0.000 χ²/NDF: 1951232.8/27

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

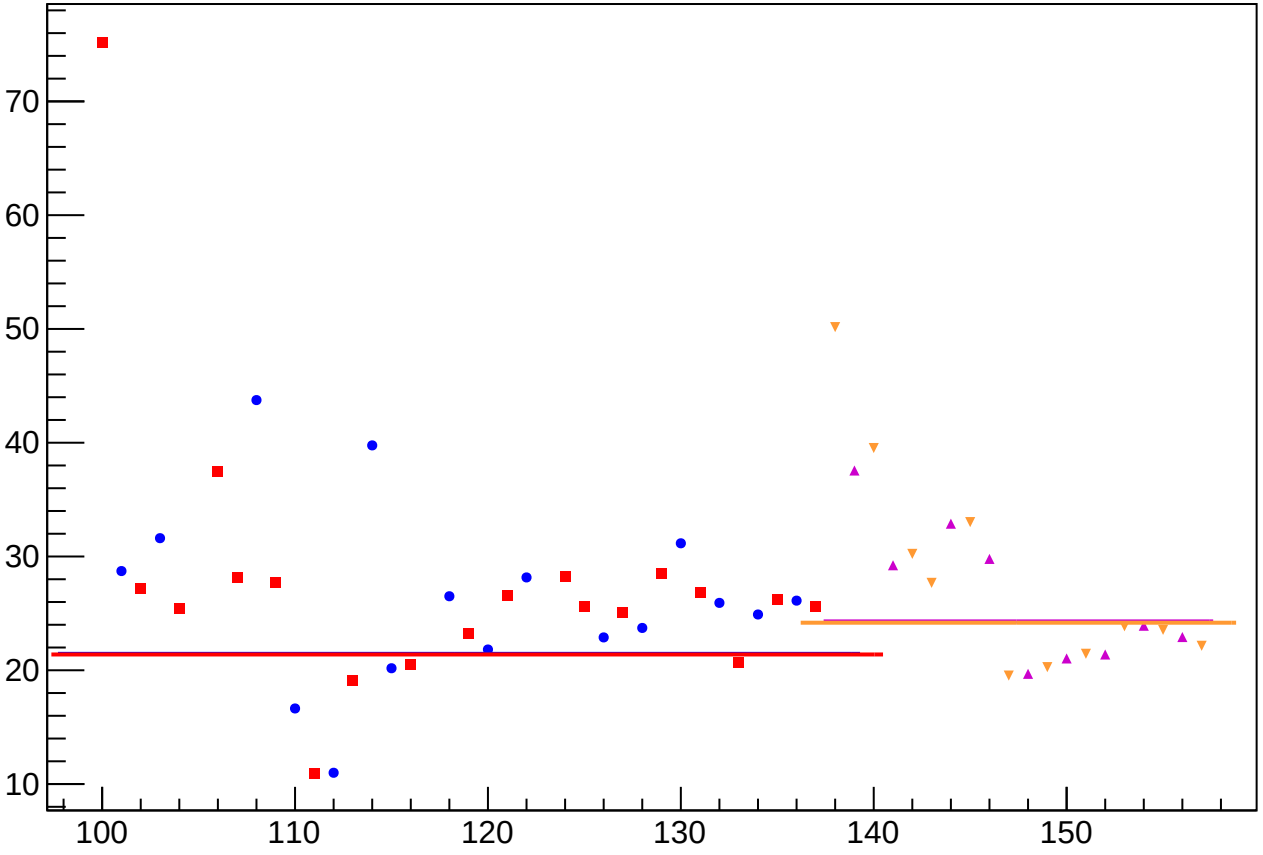
Left In: -0.007+/-0.009 χ^2/NDF:10.0/8

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.002+/-0.004 χ^2/NDF: 66.8/54

- sign -0.003+/-0.006 χ^2/NDF: 33.2/27

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.181+/-0.006 χ^2/NDF:976452.9/10

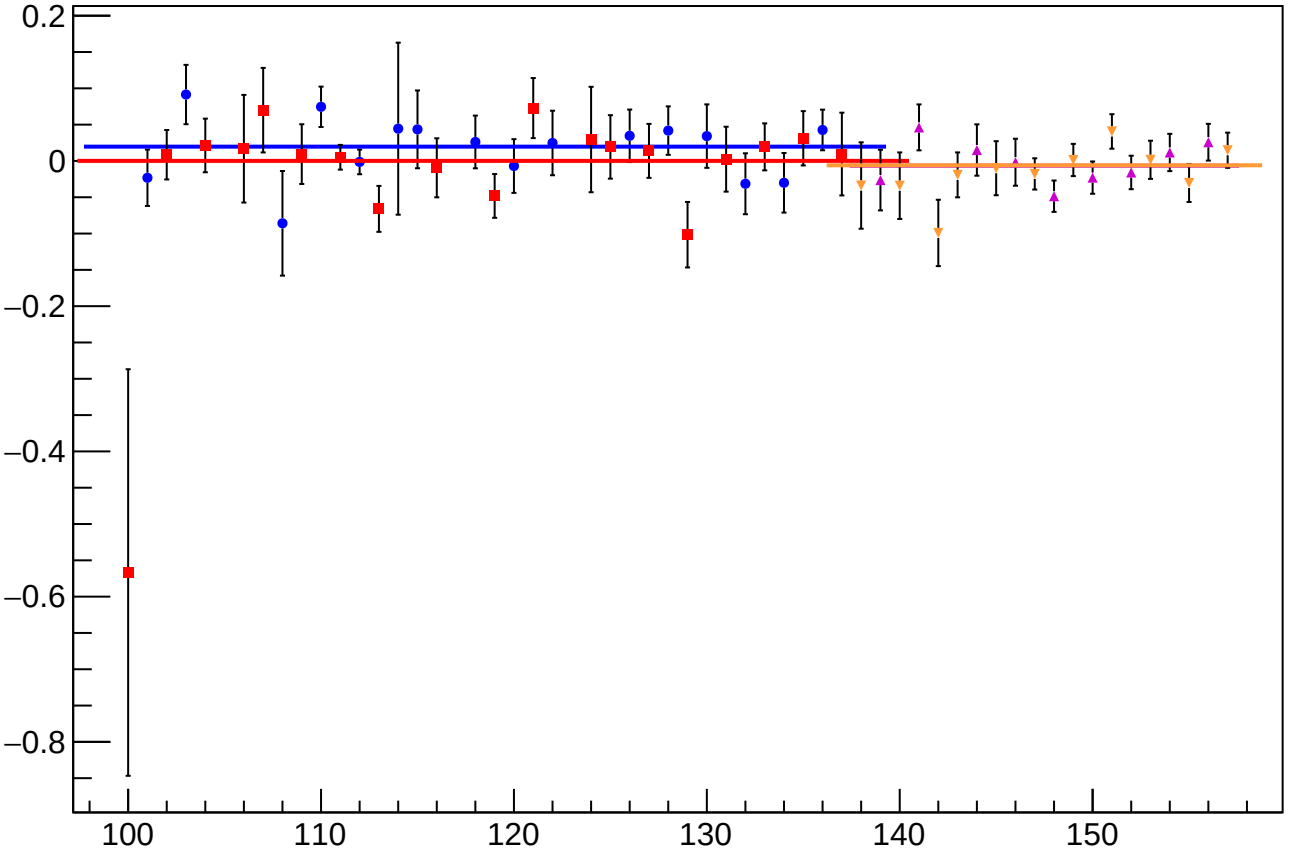
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.295+/-0.006 χ^2/NDF:598326.7/8

+ sign 22.828+/-0.004 χ^2/NDF: 2617827.1/26

All: 22.797+/-0.003 χ^2/NDF: 4639008.4/54

- sign 22.767+/-0.004 χ^2/NDF: 2021083.1/27



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.009 χ^2/NDF:10.9/10

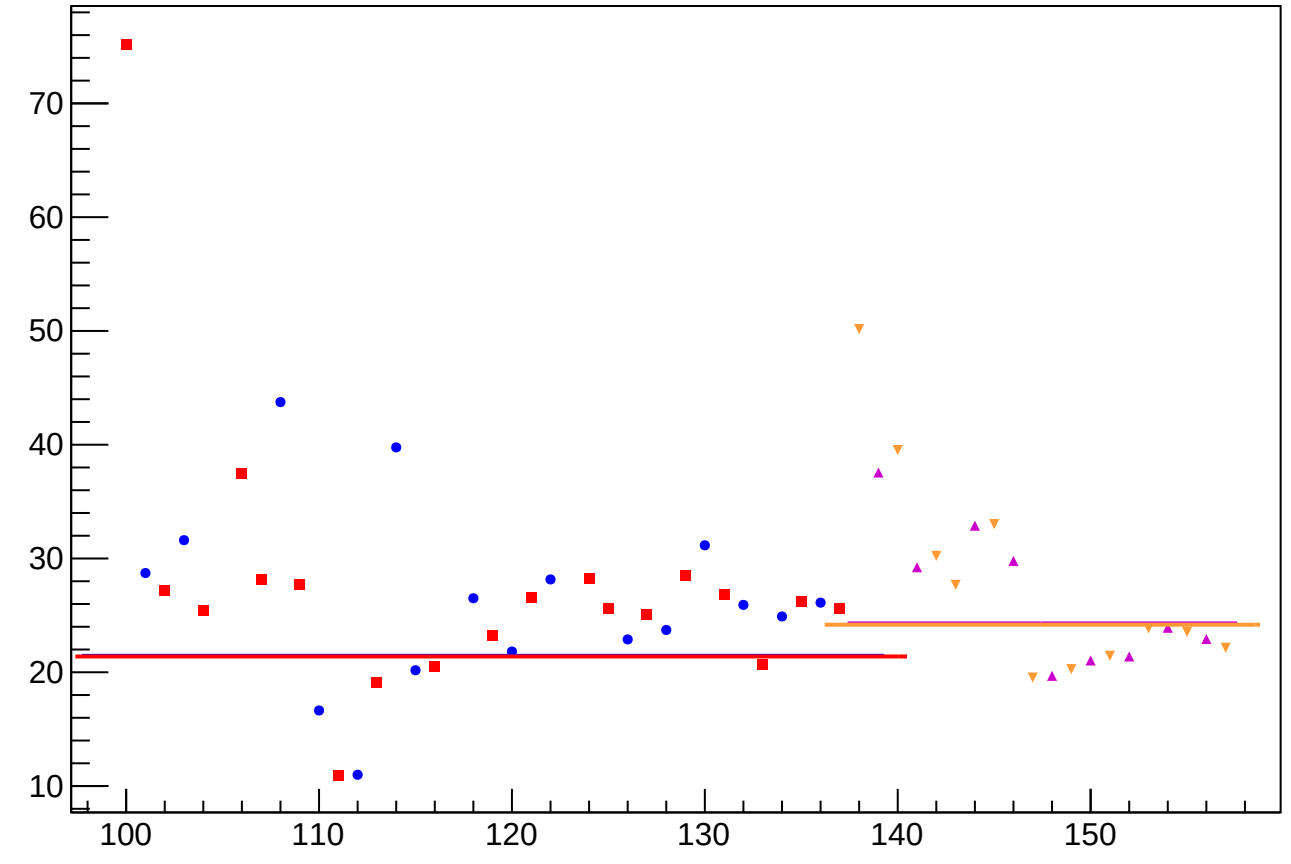
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.007+/-0.009 χ^2/NDF:10.0/8

+ sign 0.007+/-0.006 χ^2/NDF: 32.3/26

All: 0.002+/-0.004 χ^2/NDF: 66.8/54

- sign -0.003+/-0.006 χ^2/NDF: 33.2/27



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.181+/-0.006 χ^2/NDF:976452.9/10

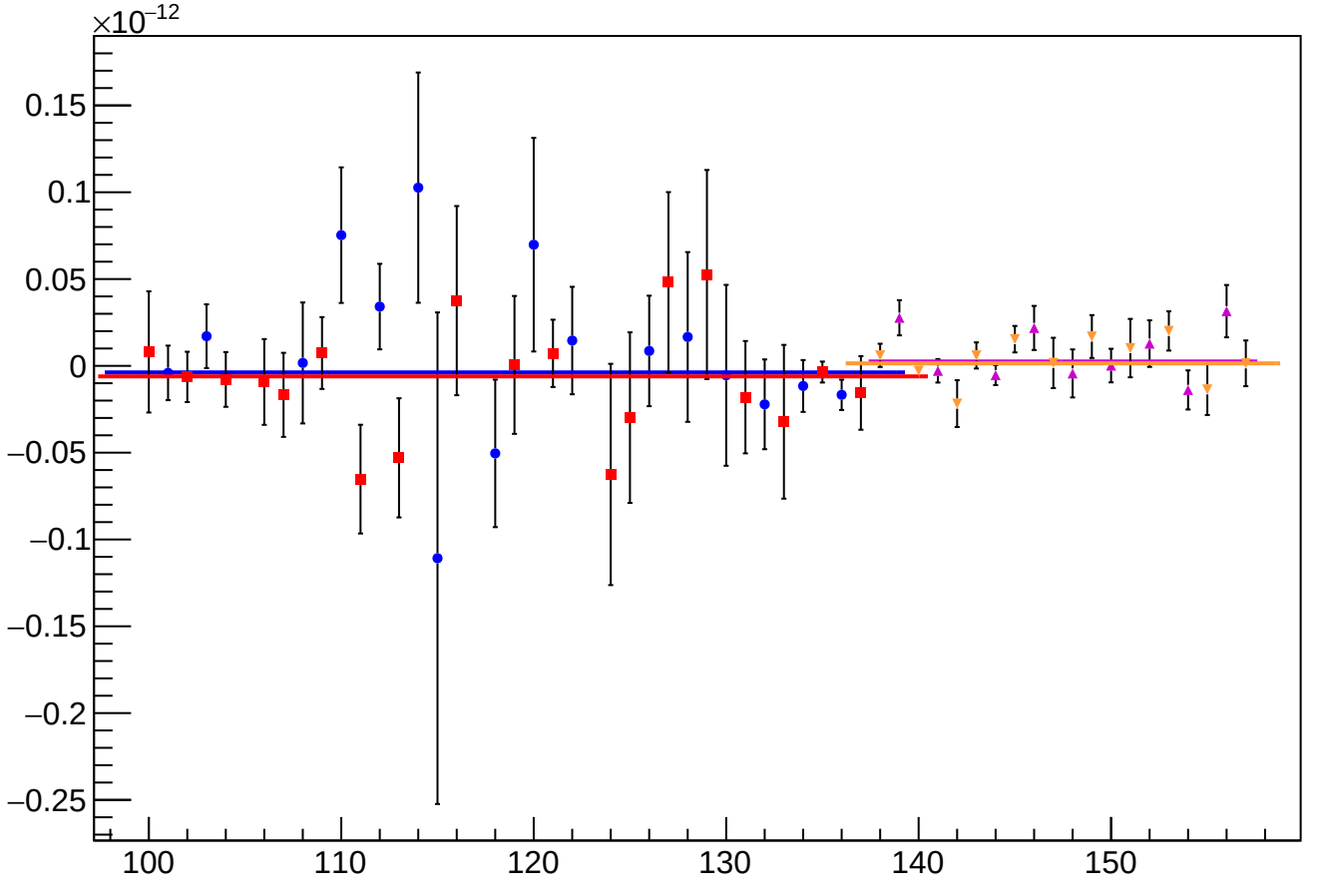
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.295+/-0.006 χ^2/NDF:598326.7/8

+ sign 22.828+/-0.004 χ^2/NDF: 2617827.1/26

All: 22.797+/-0.003 χ^2/NDF: 4639008.4/54

- sign 22.767+/-0.004 χ^2/NDF: 2021083.1/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

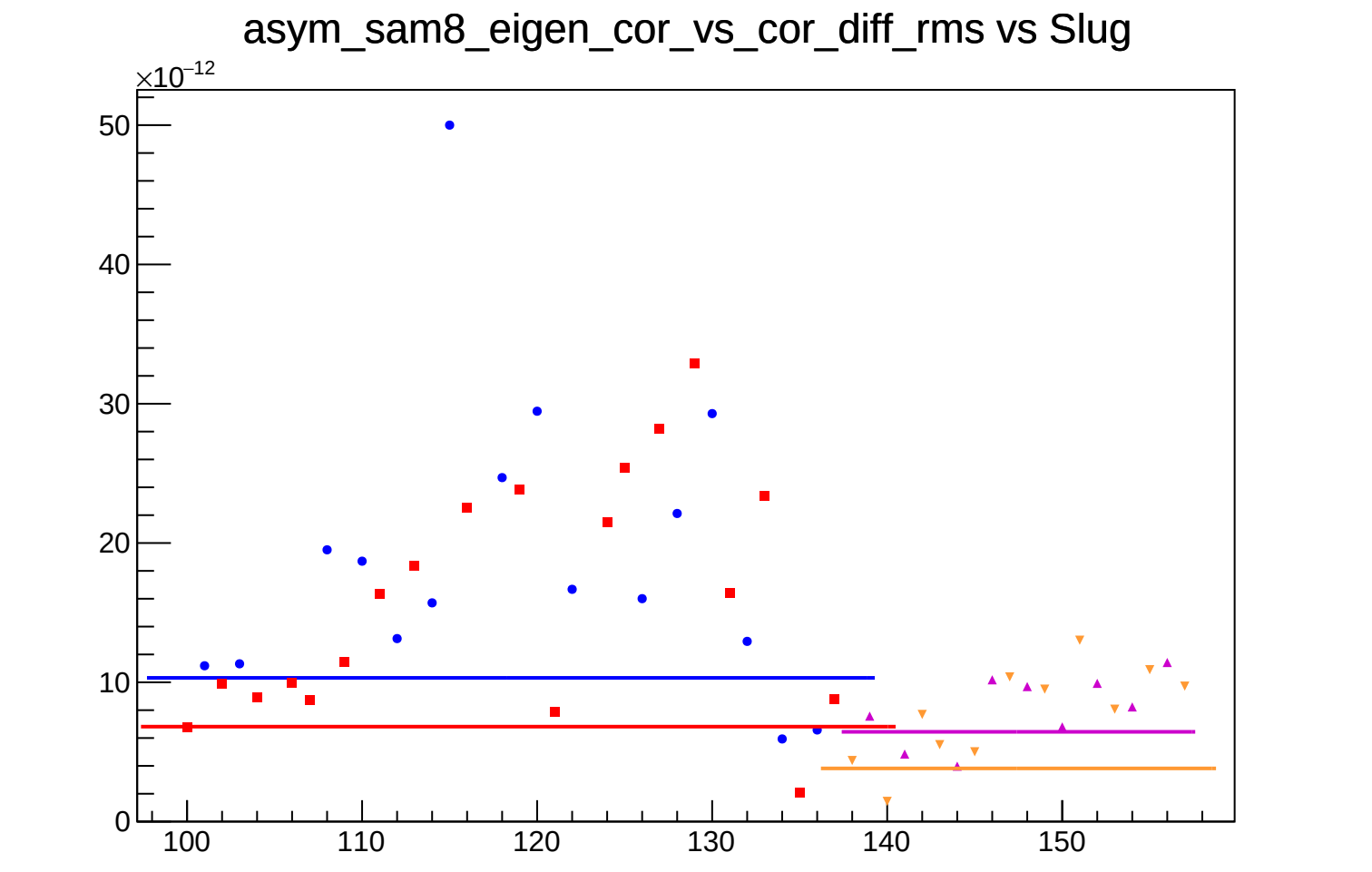
Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/8

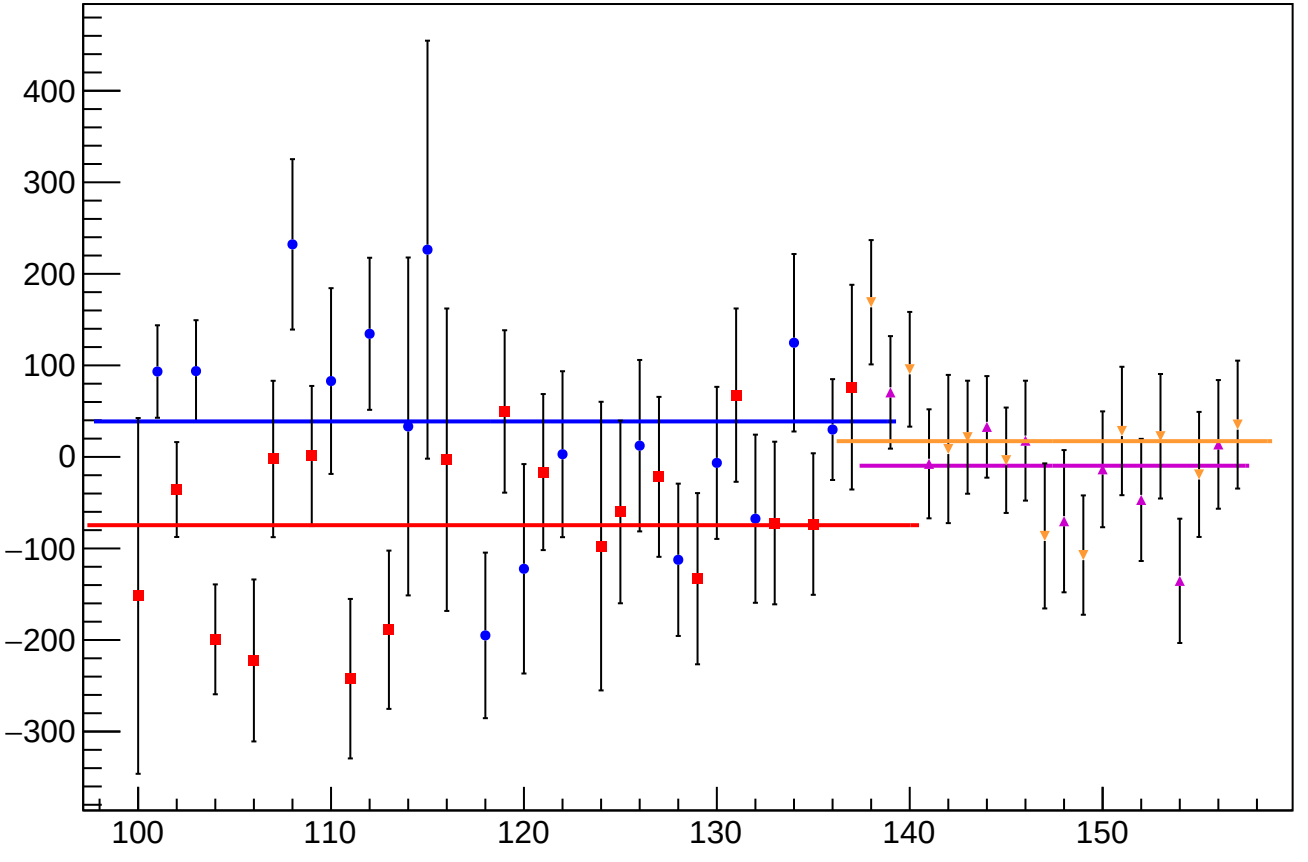
+ sign 0.000+/-0.000 χ^2/NDF: 32.8/26

All: 0.000+/-0.000 χ^2/NDF: 64.6/54

- sign -0.000+/-0.000 χ^2/NDF: 31.6/27


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4263005.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1197229.3/8
+ sign 0.000+/-0.000 χ²/NDF: 8640085.3/26
All: 0.000+/-0.000 χ²/NDF: 14553584.6/54
- sign 0.000+/-0.000 χ²/NDF: 5228751.1/27

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

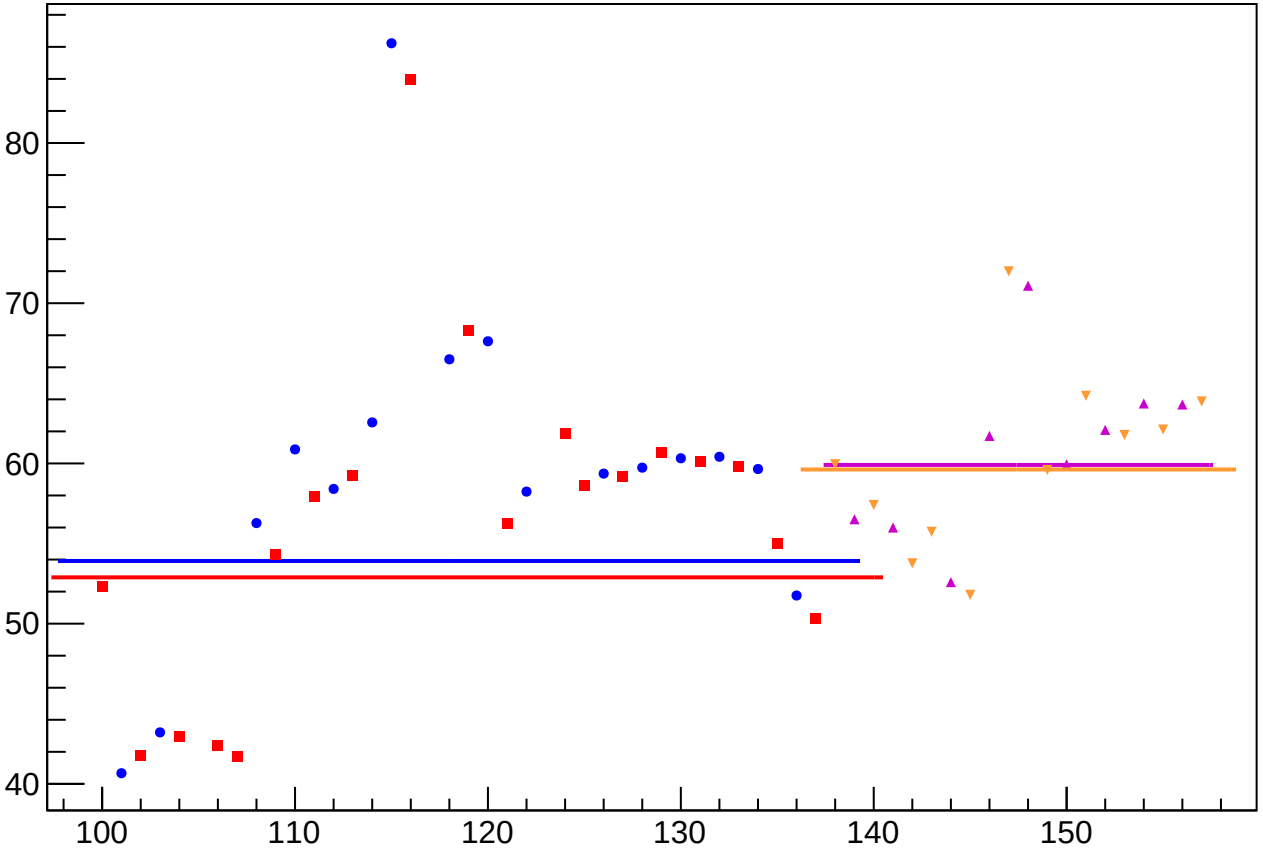
Left In: -9.622+/-21.496 χ^2/NDF:6.9/8

+ sign 27.950+/-14.402 χ^2/NDF: 36.3/26

All: -7.998+/-10.240 χ^2/NDF: 83.2/54

- sign -44.761+/-14.564 χ^2/NDF: 34.3/27

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

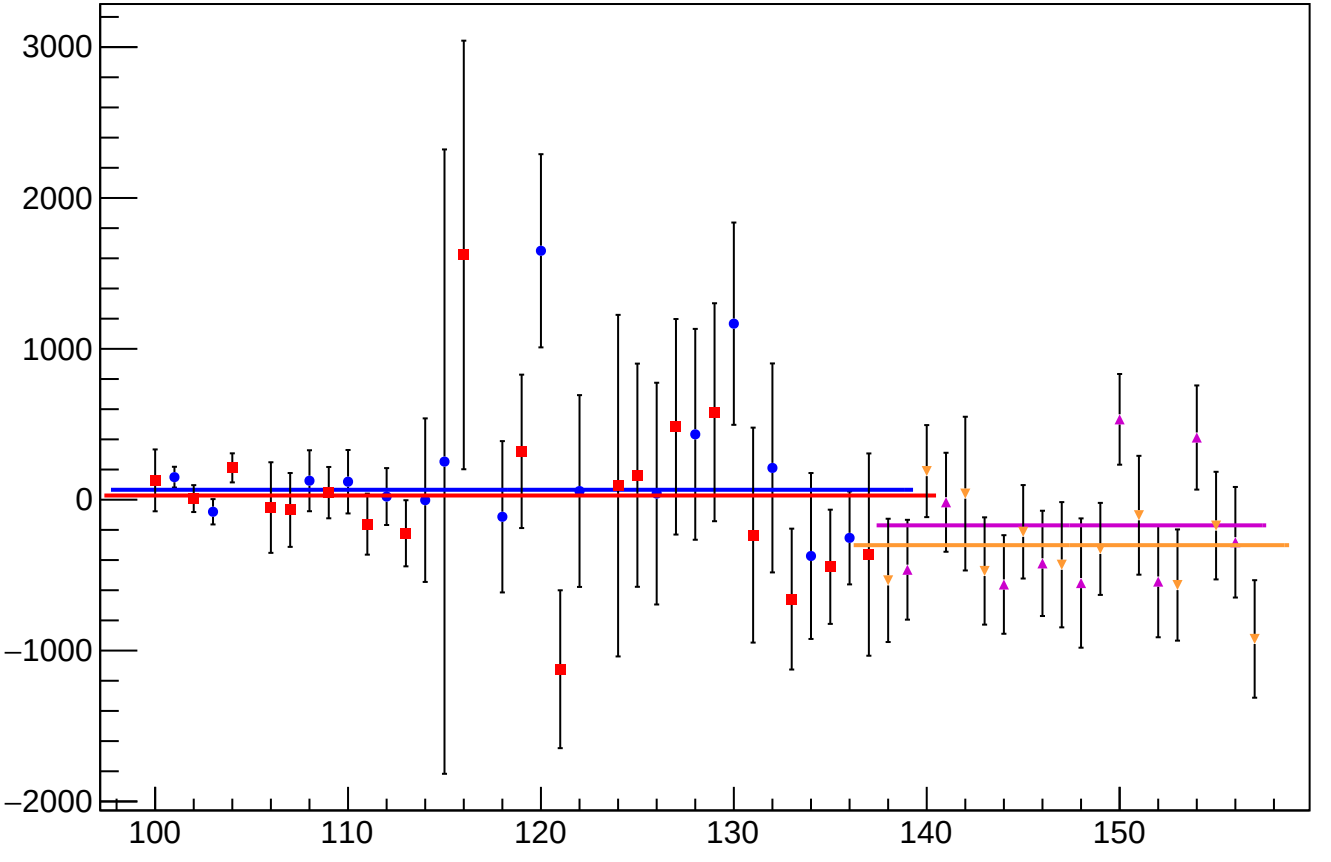
Left In: 59.906+/-0.015 χ^2/NDF:106722.2/8

+ sign 56.780+/-0.010 χ^2/NDF: 599124.6/26

All: 56.449+/-0.007 χ^2/NDF: 1248488.3/54

- sign 56.110+/-0.010 χ^2/NDF: 647223.0/27

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -301.269+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

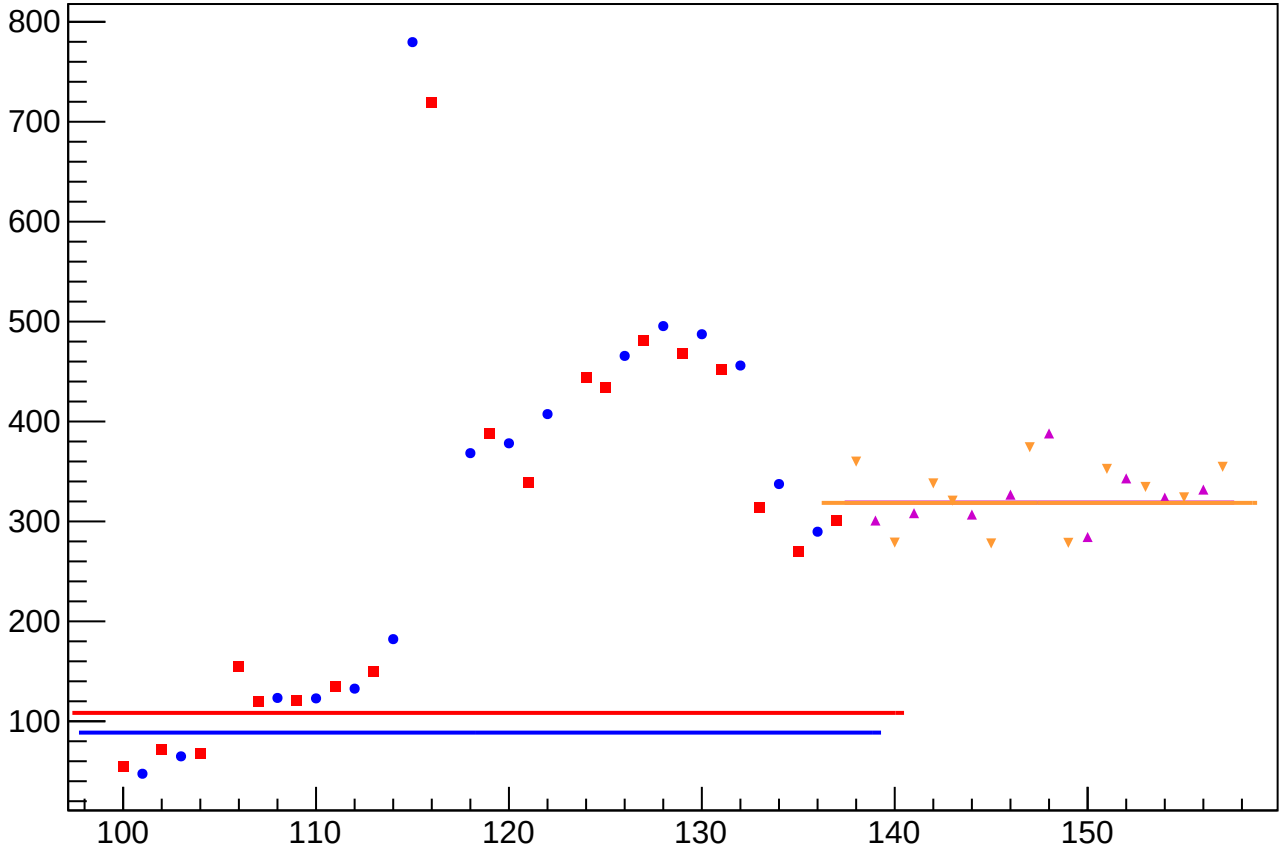
Left In: -169.928+/-114.937 χ^2/NDF:13.2/8

+ sign 9.615+/-42.771 χ^2/NDF: 32.5/26

All: 3.345+/-31.346 χ^2/NDF: 66.2/54

- sign -3.931+/-46.074 χ^2/NDF: 33.7/27

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.5/10

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

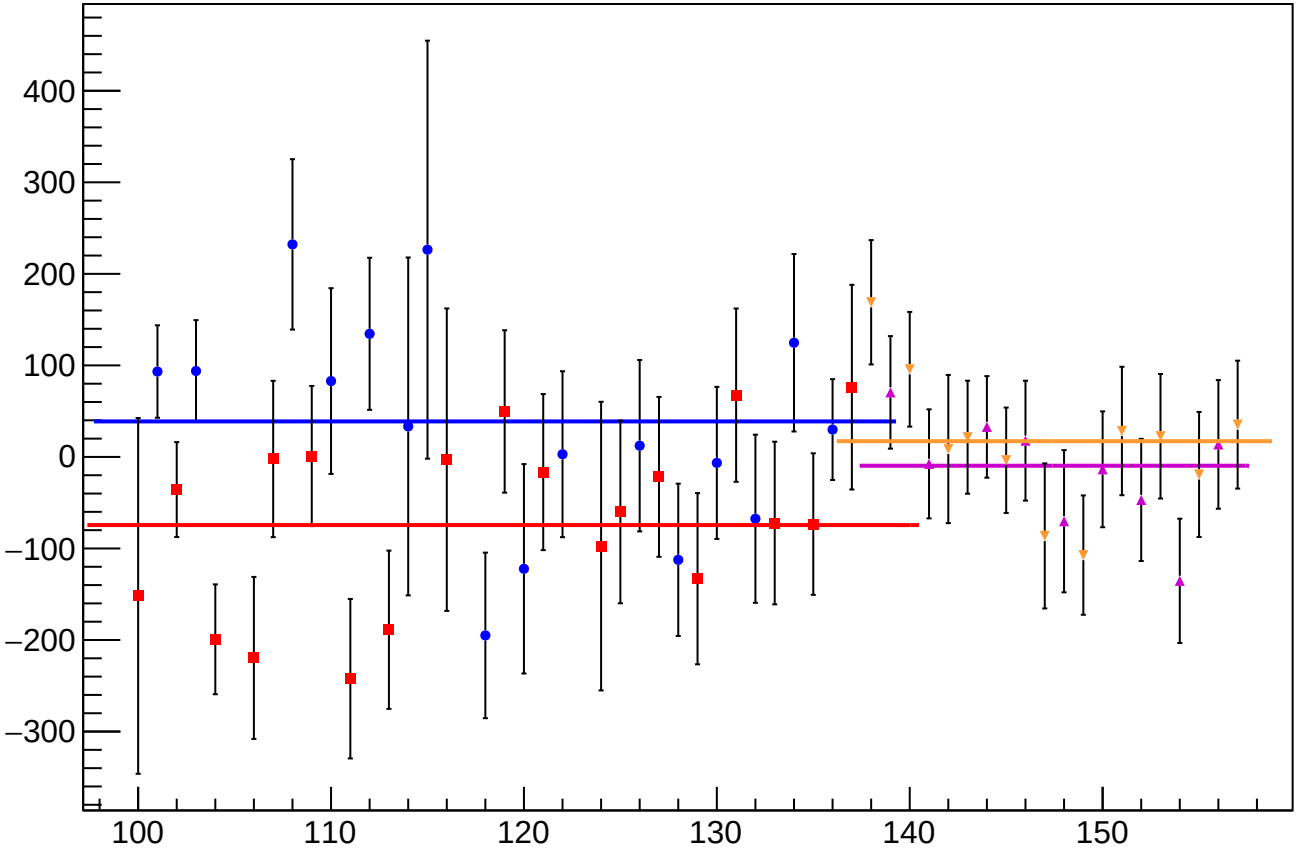
Left In: 318.906+/-0.081 χ^2/NDF:101664.9/8

+ sign 123.877+/-0.030 χ^2/NDF: 14343276.1/26

All: 132.365+/-0.022 χ^2/NDF: 25609401.8/54

- sign 142.214+/-0.033 χ^2/NDF: 11095976.4/27

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

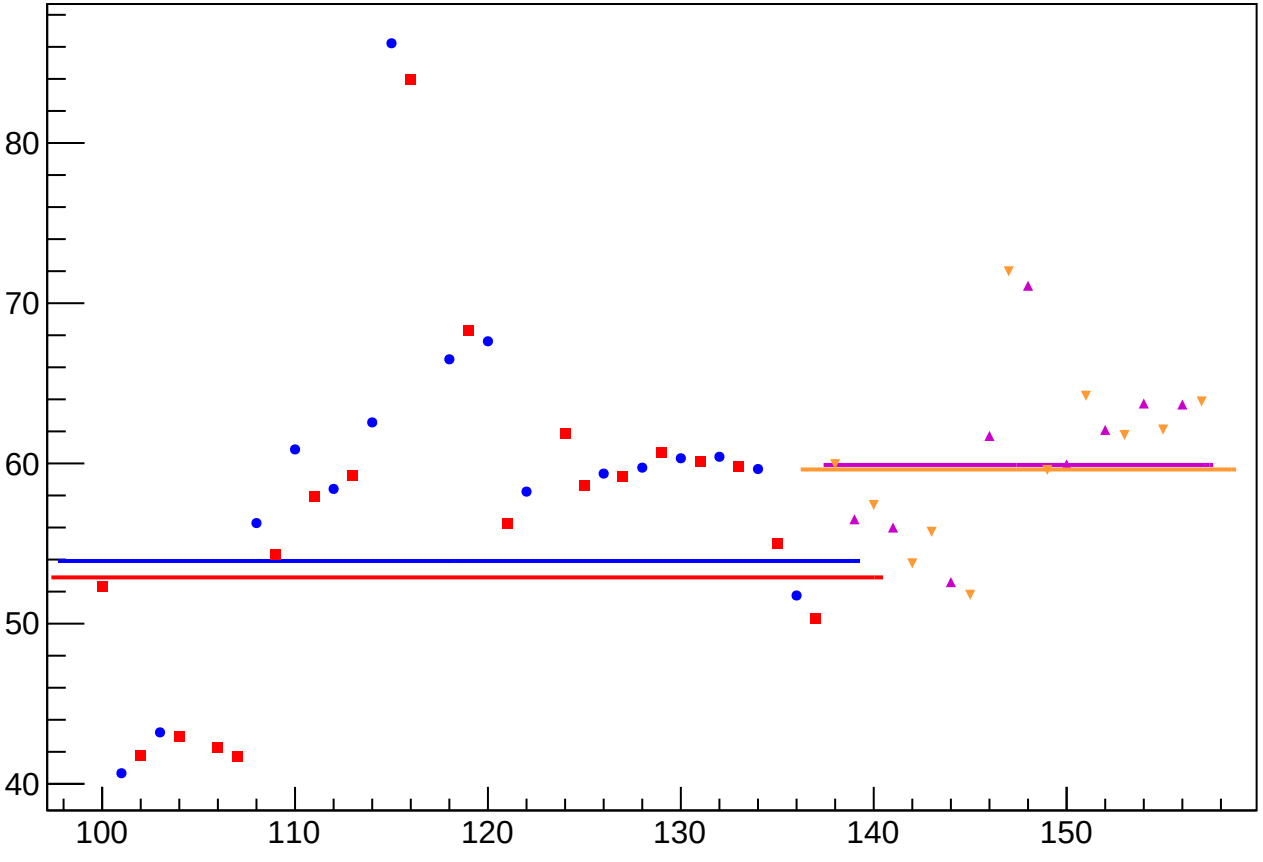
Left In: -9.621+/-21.496 χ^2/NDF:6.9/8

+ sign 27.956+/-14.402 χ^2/NDF: 36.3/26

All: -7.956+/-10.241 χ^2/NDF: 83.1/54

- sign -44.685+/-14.565 χ^2/NDF: 34.2/27

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

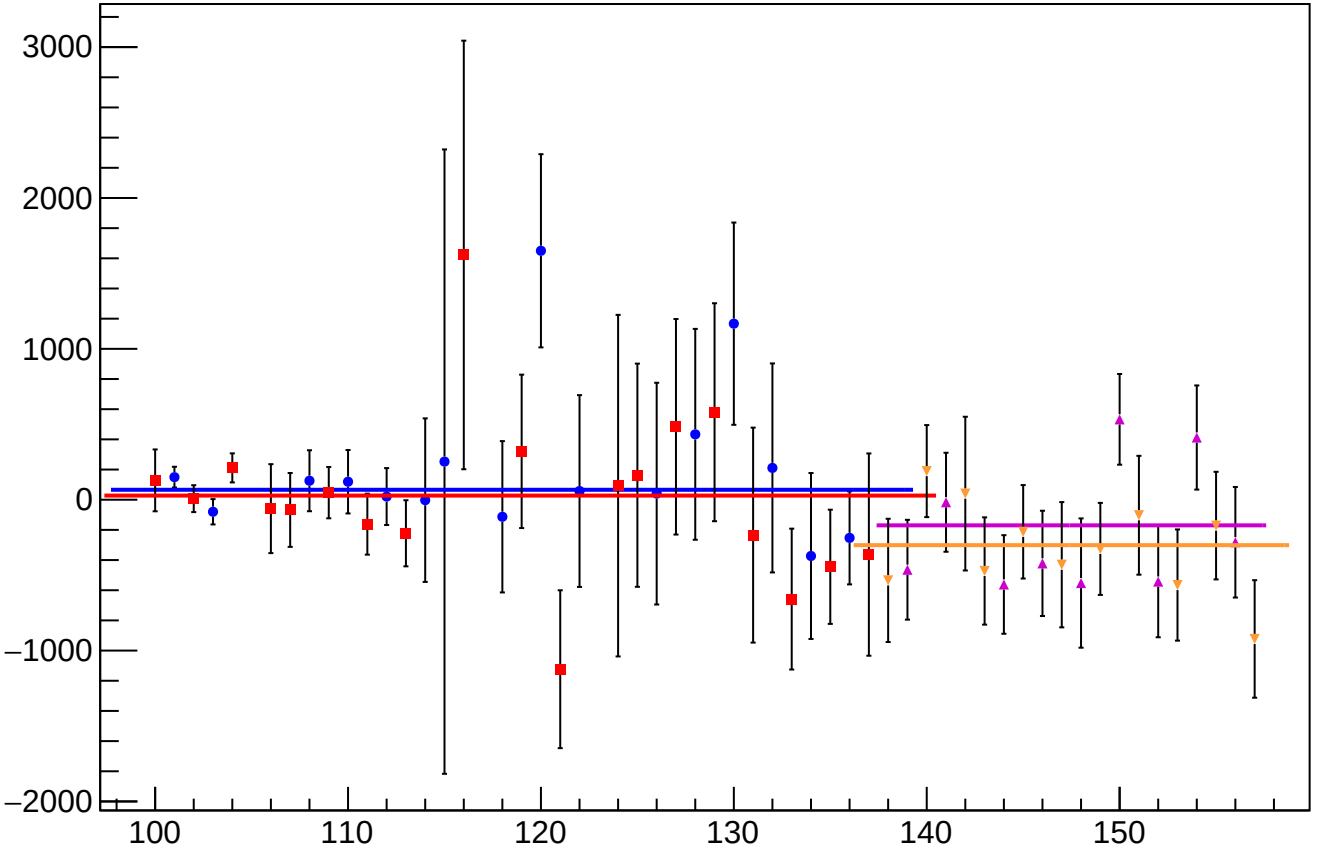
Left In: 59.906+/-0.015 χ^2/NDF:106722.2/8

+ sign 56.780+/-0.010 χ^2/NDF: 599123.8/26

All: 56.448+/-0.007 χ^2/NDF: 1248867.4/54

- sign 56.109+/-0.010 χ^2/NDF: 647596.8/27

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

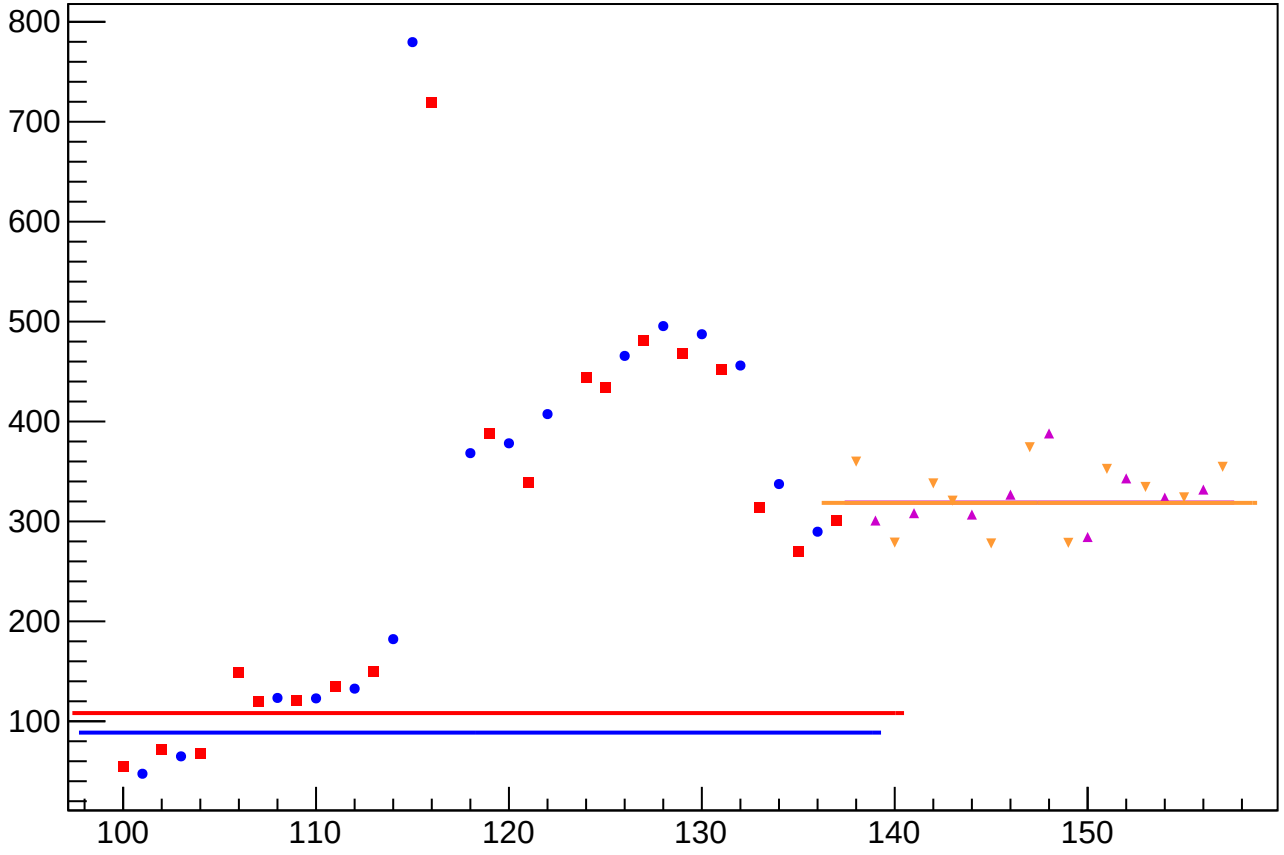
Left In: -169.926+/-114.937 χ^2/NDF:13.2/8

+ sign 9.620+/-42.770 χ^2/NDF: 32.5/26

All: 3.192+/-31.336 χ^2/NDF: 66.2/54

- sign -4.258+/-46.041 χ^2/NDF: 33.7/27

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

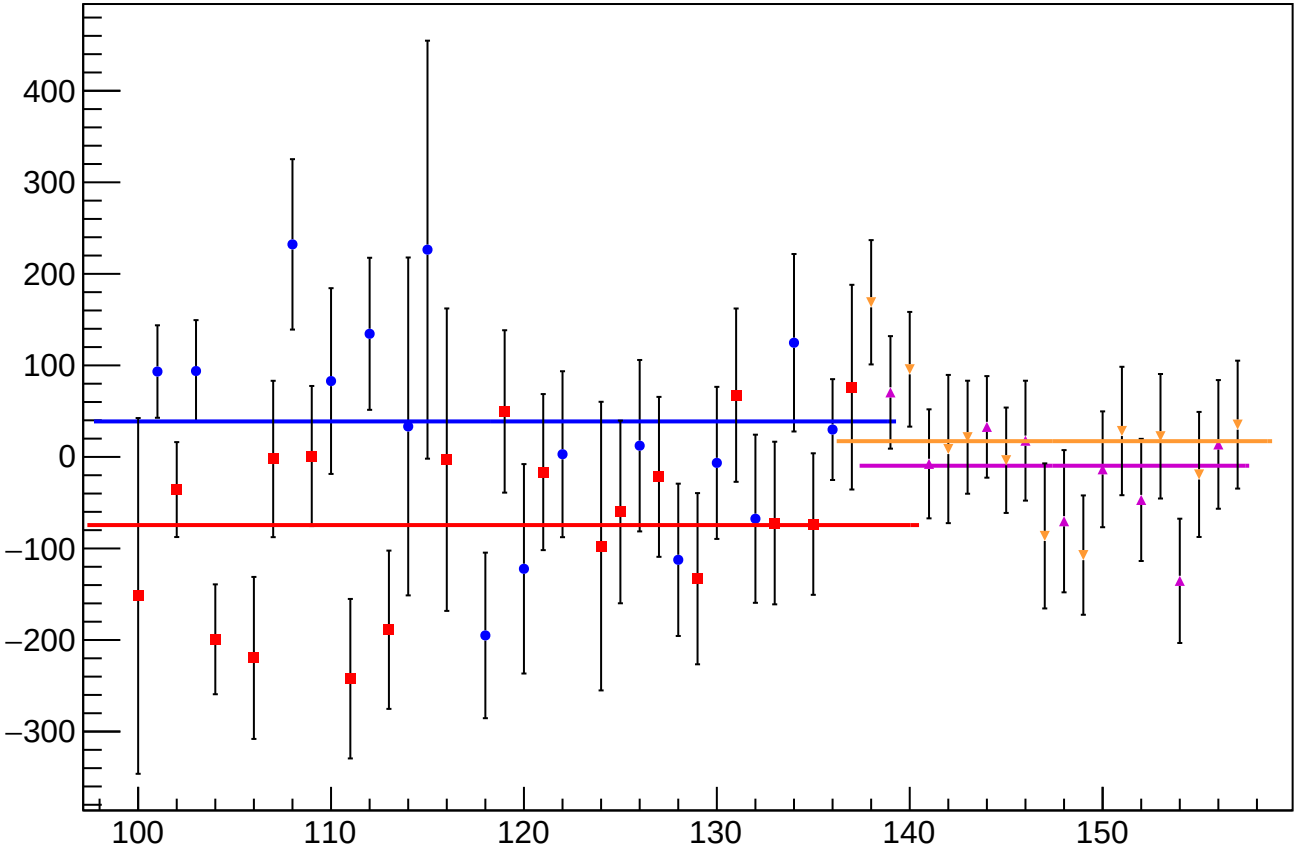
Left In: 318.905+/-0.081 χ^2/NDF:101666.1/8

+ sign 123.874+/-0.030 χ^2/NDF: 14343572.7/26

All: 132.277+/-0.022 χ^2/NDF: 25609349.5/54

- sign 142.016+/-0.033 χ^2/NDF: 11099091.7/27

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 17.215+/-20.321 χ^2/NDF:12.4/10

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

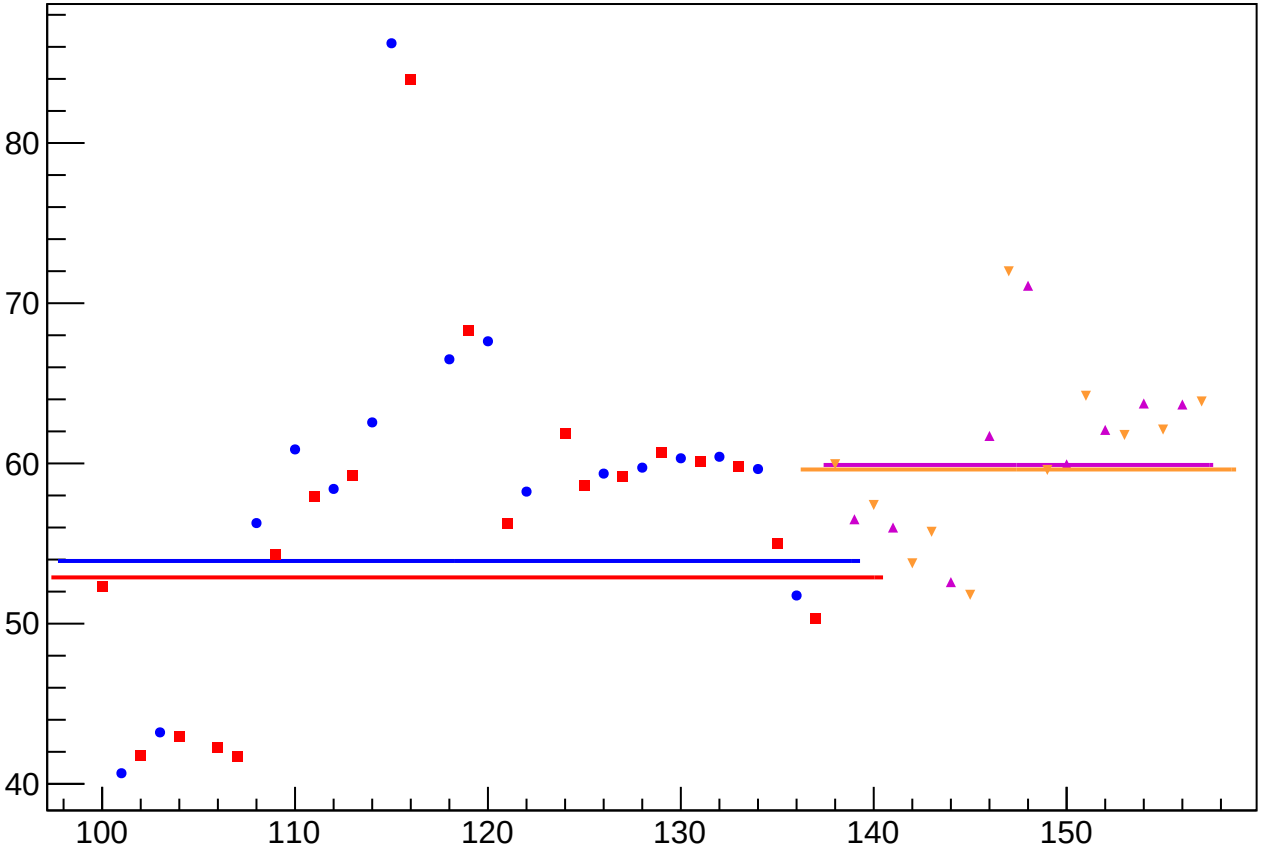
Left In: -9.621+/-21.496 χ^2/NDF:6.9/8

+ sign 27.956+/-14.402 χ^2/NDF: 36.3/26

All: -7.956+/-10.241 χ^2/NDF: 83.1/54

- sign -44.685+/-14.565 χ^2/NDF: 34.2/27

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.622+/-0.014 χ^2/NDF:127272.8/10

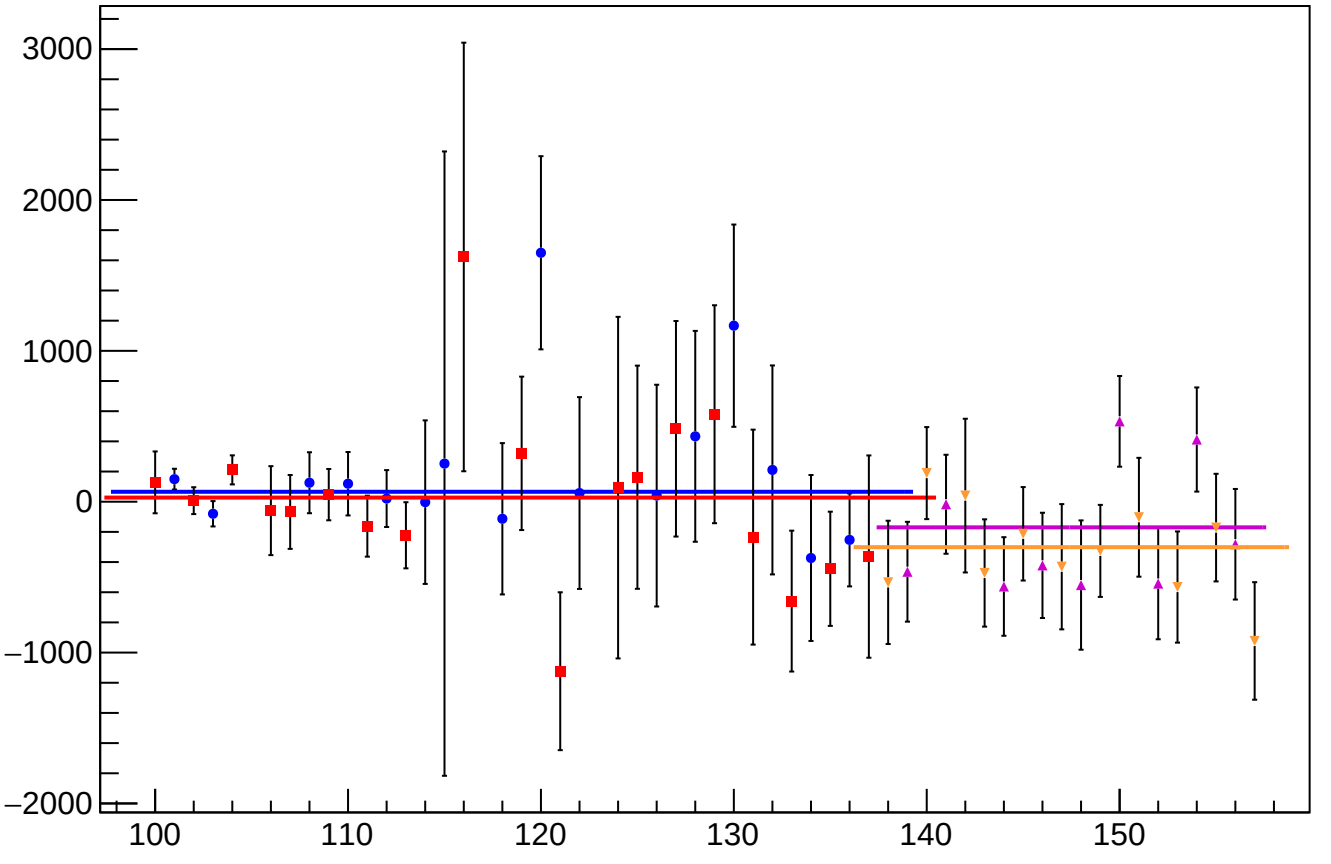
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 59.906+/-0.015 χ^2/NDF:106722.2/8

+ sign 56.780+/-0.010 χ^2/NDF: 599123.8/26

All: 56.448+/-0.007 χ^2/NDF: 1248867.4/54

- sign 56.109+/-0.010 χ^2/NDF: 647596.8/27



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -301.270+/-109.279 χ^2/NDF:7.2/10

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

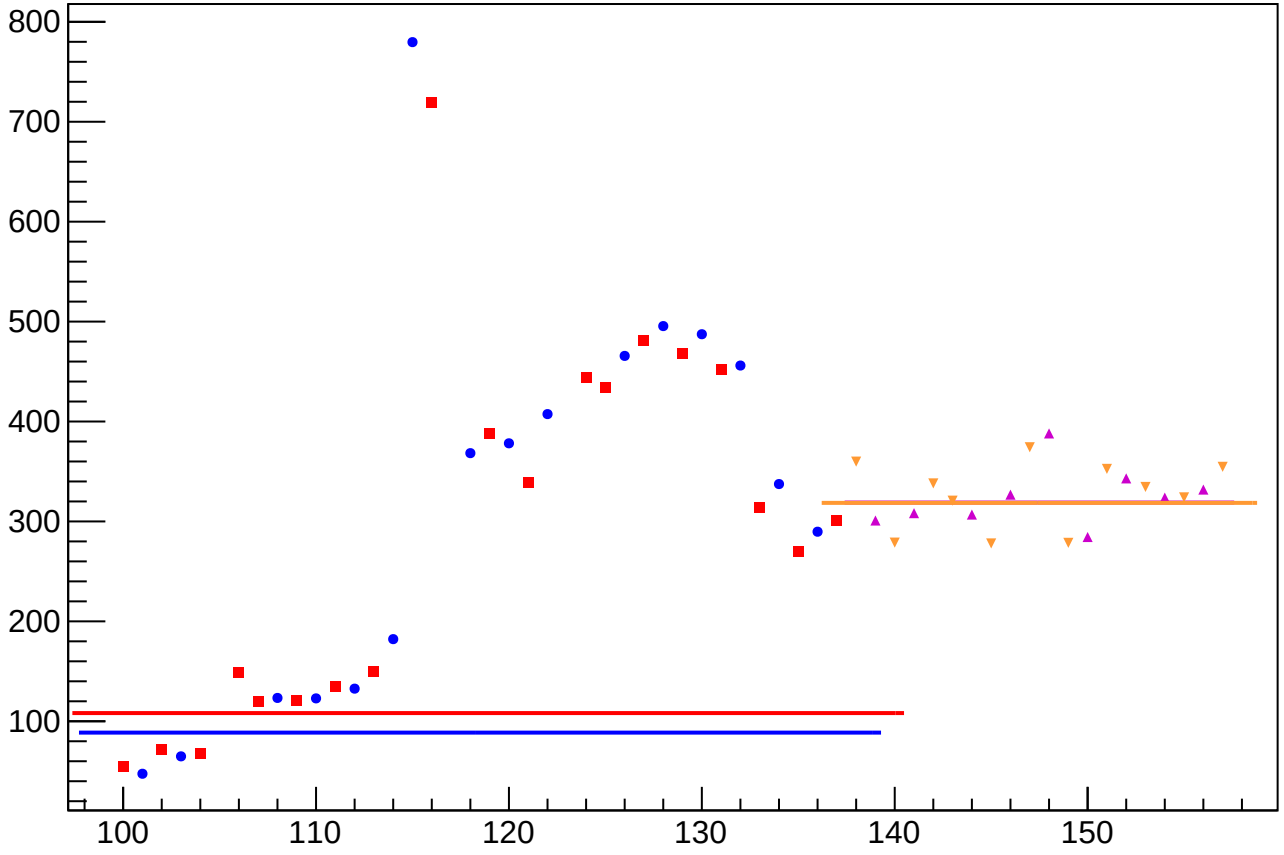
Left In: -169.926+/-114.937 χ^2/NDF:13.2/8

\+ sign 9.620+/-42.770 χ^2/NDF: 32.5/26

All: 3.192+/-31.336 χ^2/NDF: 66.2/54

\- sign -4.258+/-46.041 χ^2/NDF: 33.7/27

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 318.572+/-0.077 χ^2/NDF:198427.7/10

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

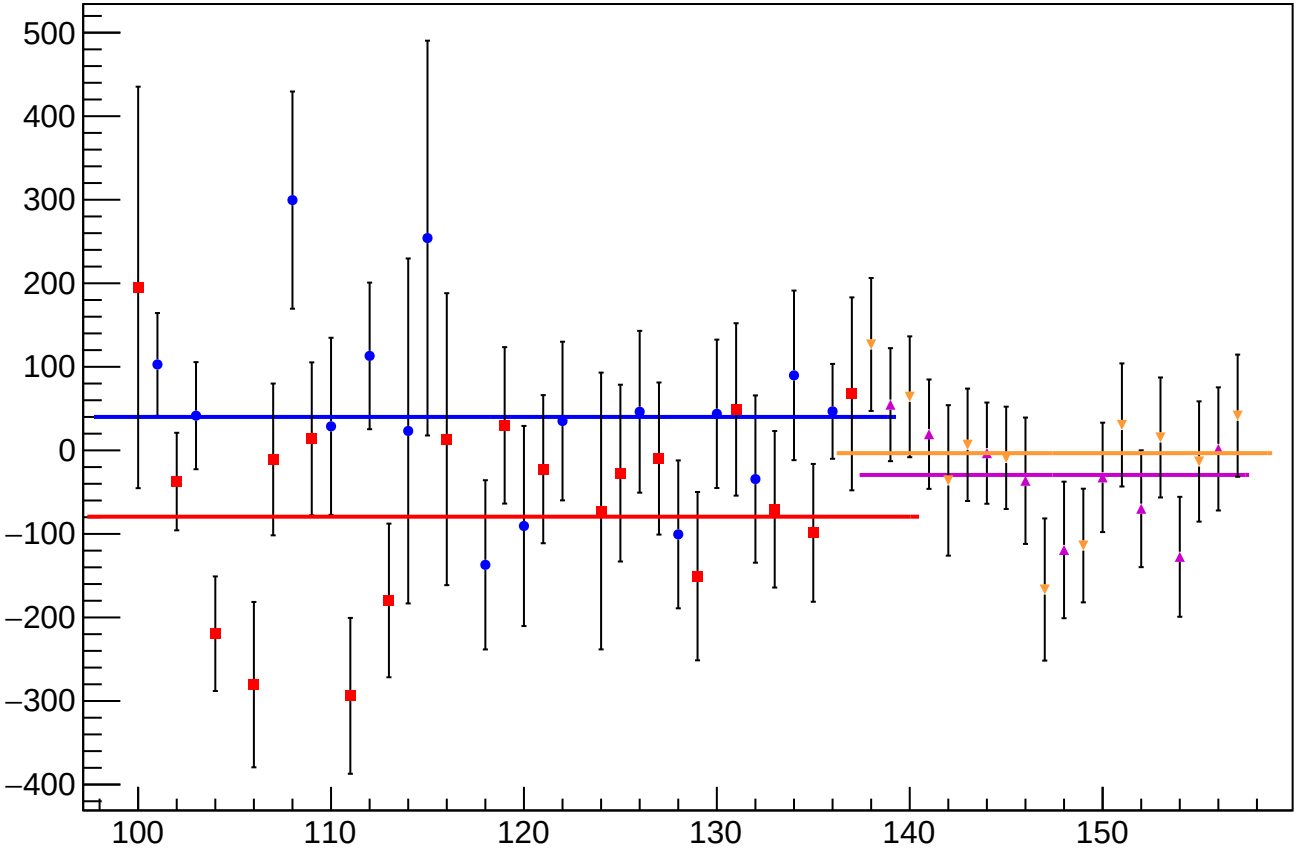
Left In: 318.905+/-0.081 χ^2/NDF:101666.1/8

+ sign 123.874+/-0.030 χ^2/NDF: 14343572.7/26

All: 132.277+/-0.022 χ^2/NDF: 25609349.5/54

- sign 142.016+/-0.033 χ^2/NDF: 11099091.7/27

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

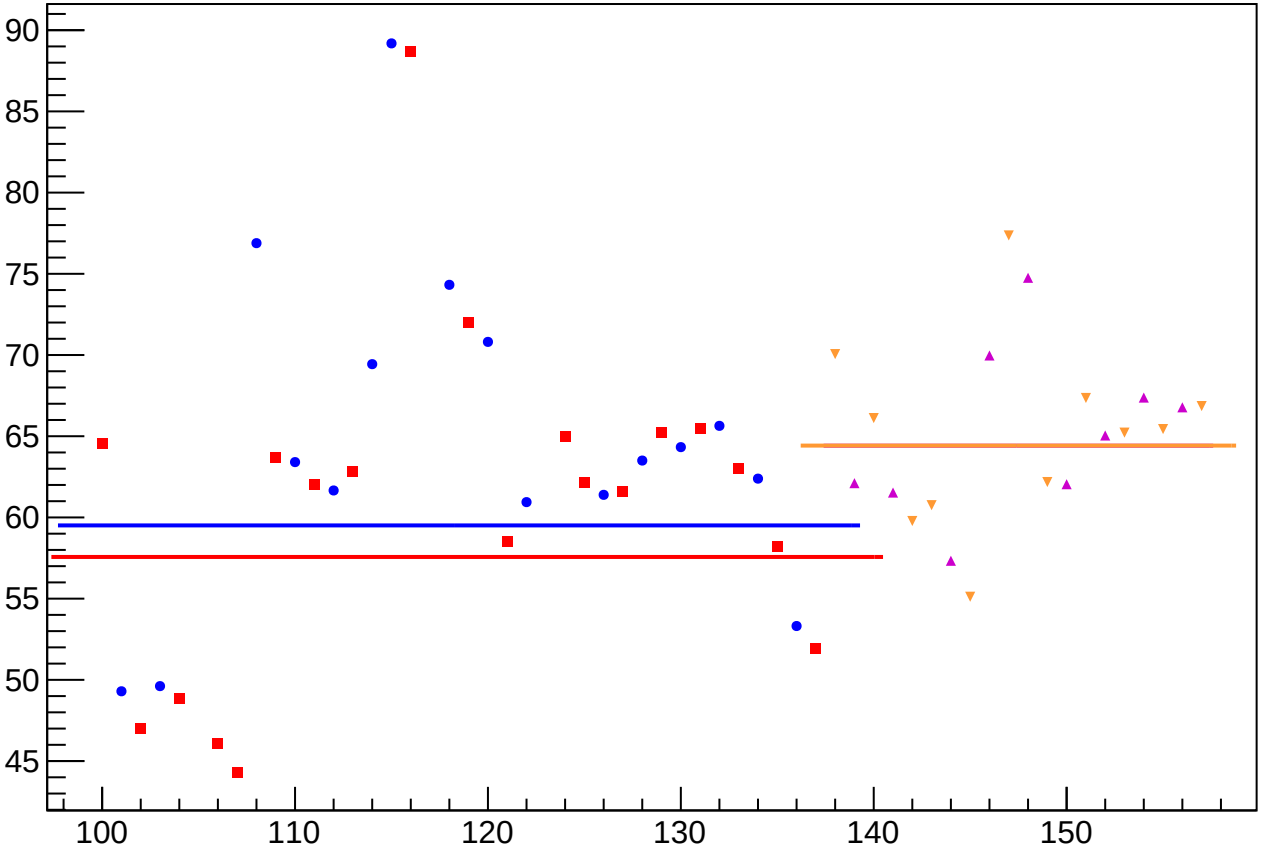
Left In: -29.417+/-23.157 χ^2/NDF:5.9/8

+ sign 17.821+/-15.724 χ^2/NDF: 26.7/26

All: -19.022+/-11.140 χ^2/NDF: 71.0/54

- sign -56.161+/-15.786 χ^2/NDF: 33.2/27

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.423+/-0.016 χ^2/NDF:122992.2/10

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

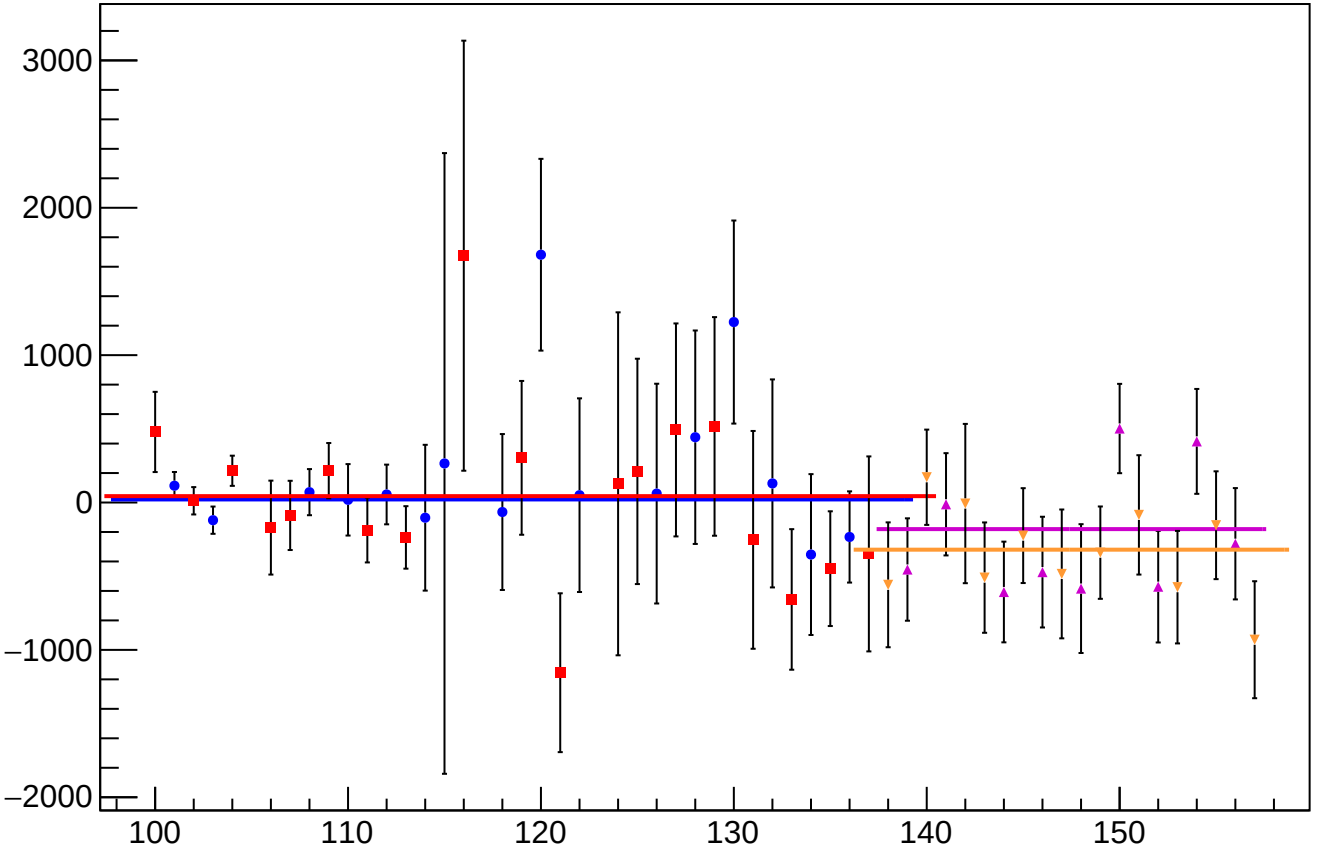
Left In: 64.416+/-0.016 χ^2/NDF:84600.0/8

+ sign 62.026+/-0.011 χ^2/NDF: 455004.1/26

All: 61.391+/-0.008 χ^2/NDF: 987190.1/54

- sign 60.750+/-0.011 χ^2/NDF: 525618.4/27

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.558 χ^2/NDF:6.8/10

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

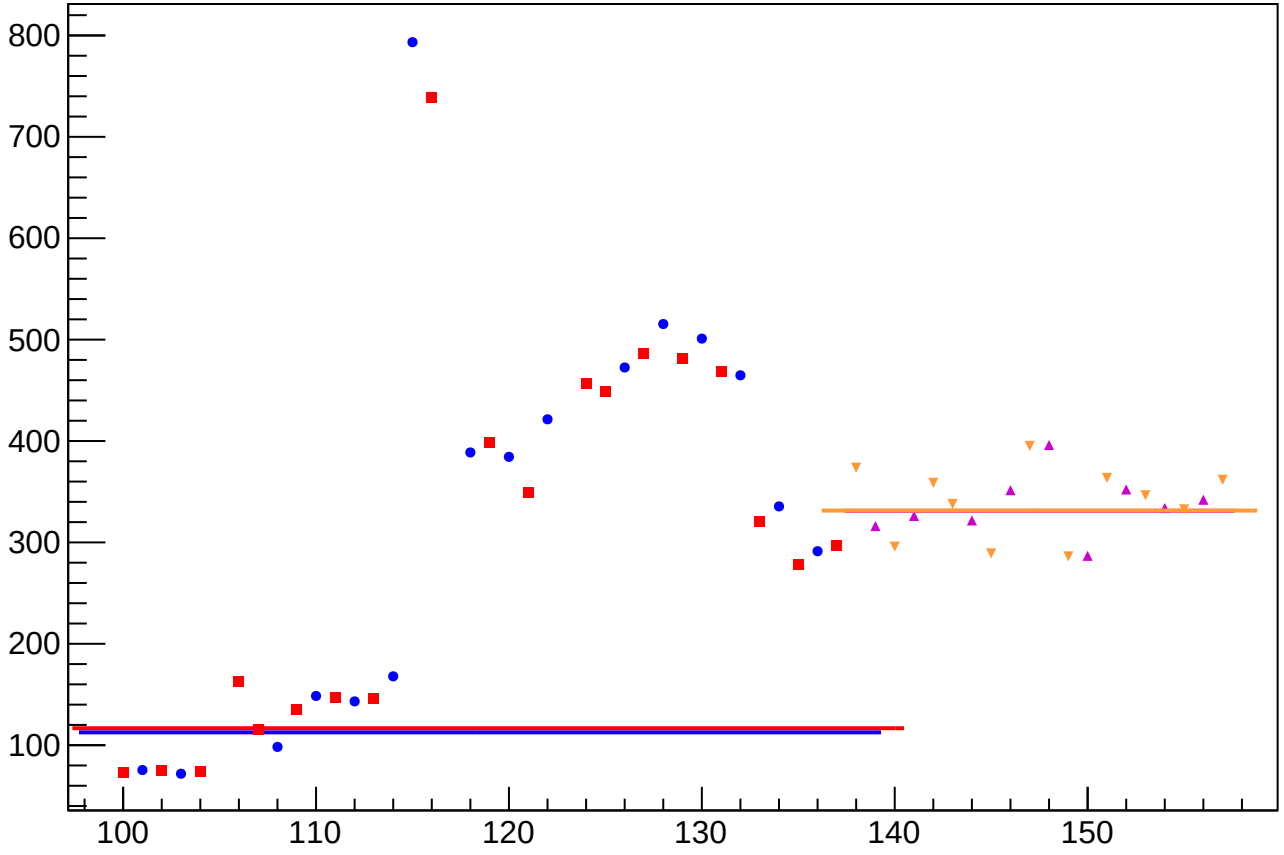
Left In: -180.440+/-119.315 χ^2/NDF:12.9/8

+ sign -41.228+/-48.461 χ^2/NDF: 28.8/26

All: -17.605+/-34.315 χ^2/NDF: 66.6/54

- sign 6.152+/-48.597 χ^2/NDF: 37.3/27

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 331.424+/-0.080 χ^2/NDF:196000.7/10

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

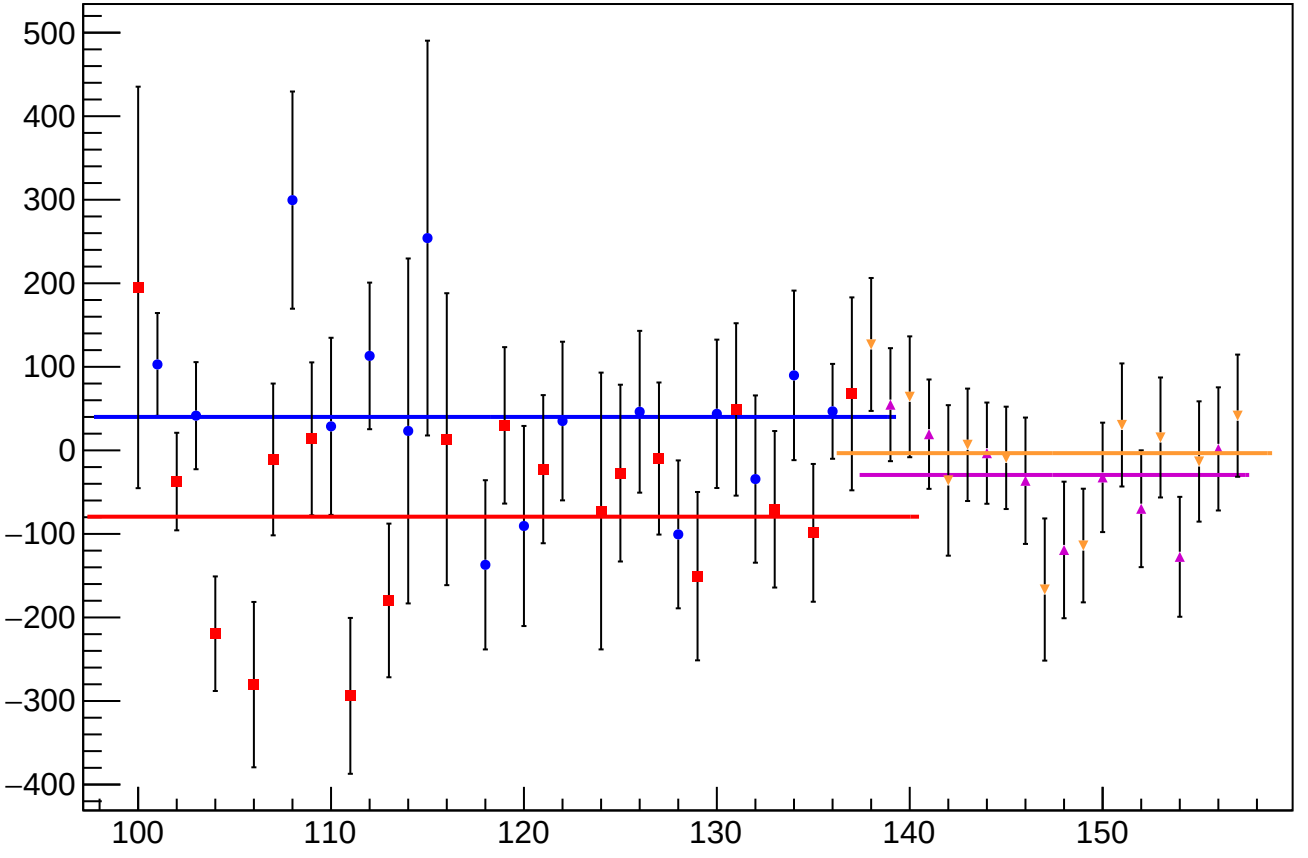
Left In: 331.154+/-0.084 χ^2/NDF:106499.9/8

+ sign 152.507+/-0.034 χ^2/NDF: 11865870.4/26

All: 152.405+/-0.024 χ^2/NDF: 22501454.0/54

- sign 152.304+/-0.034 χ^2/NDF: 10635566.1/27

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -3.324+/-21.969 χ^2/NDF:10.7/10

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

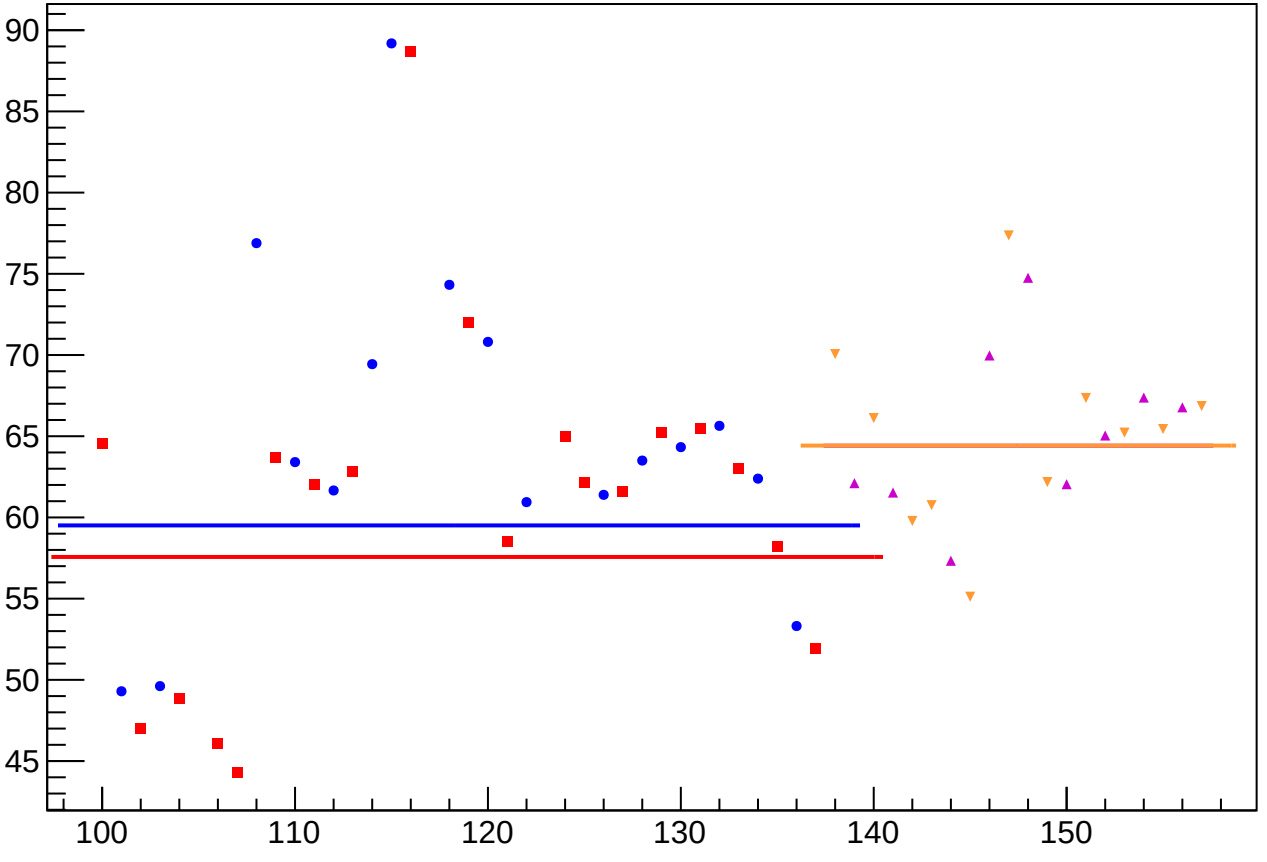
Left In: -29.418+/-23.158 χ^2/NDF:5.9/8

+ sign 17.821+/-15.724 χ^2/NDF: 26.7/26

All: -19.022+/-11.140 χ^2/NDF: 71.0/54

- sign -56.161+/-15.786 χ^2/NDF: 33.2/27

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.424+/-0.016 χ^2/NDF:122995.4/10

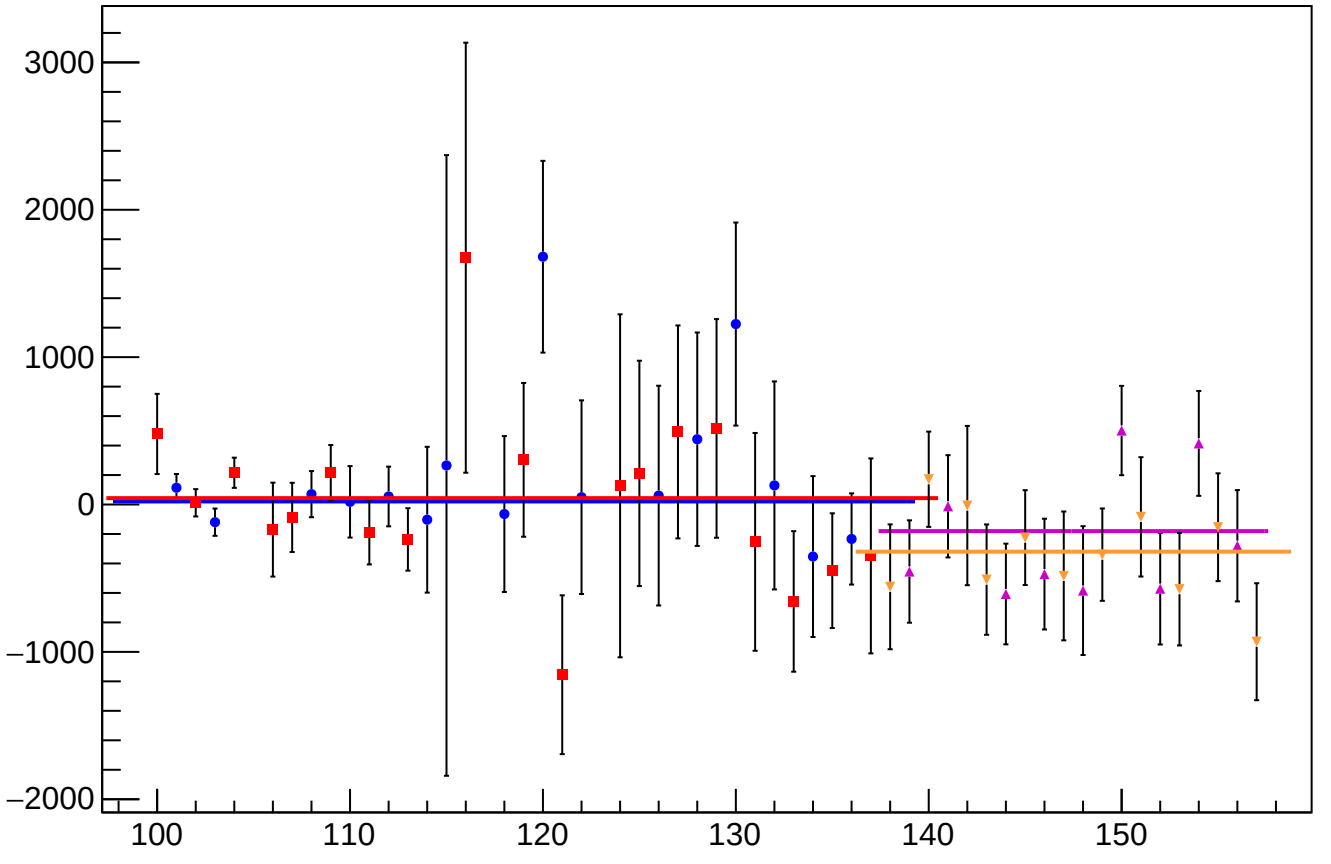
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.416+/-0.016 χ^2/NDF:84599.6/8

+ sign 62.026+/-0.011 χ^2/NDF: 455010.0/26

All: 61.391+/-0.008 χ^2/NDF: 987199.6/54

- sign 60.750+/-0.011 χ^2/NDF: 525622.2/27



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -319.982+/-113.559 χ^2/NDF:6.8/10

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

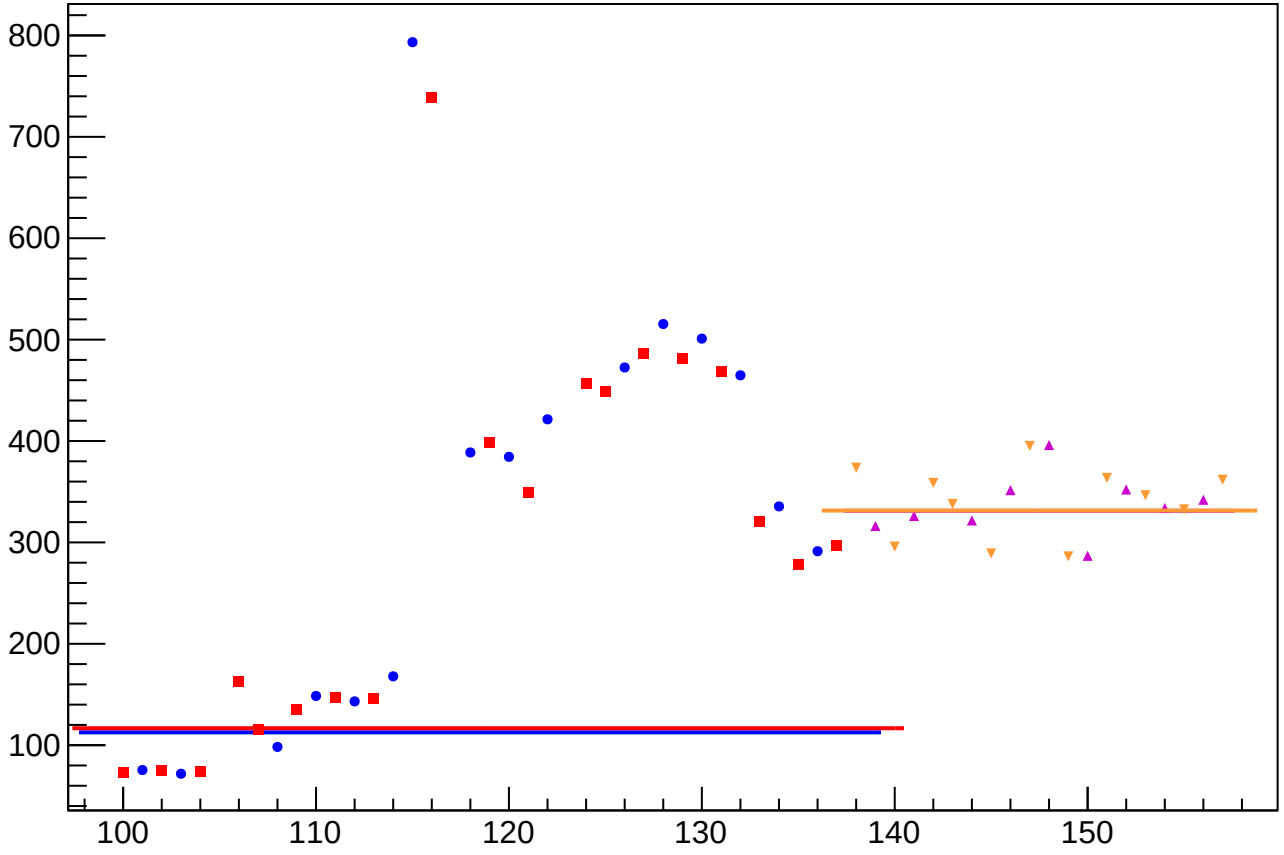
Left In: -180.441+/-119.315 χ^2/NDF:12.9/8

\+ sign -41.228+/-48.461 χ^2/NDF: 28.8/26

All: -17.605+/-34.315 χ^2/NDF: 66.6/54

\- sign 6.152+/-48.597 χ^2/NDF: 37.3/27

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 331.425+/-0.080 χ^2/NDF:196001.3/10

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

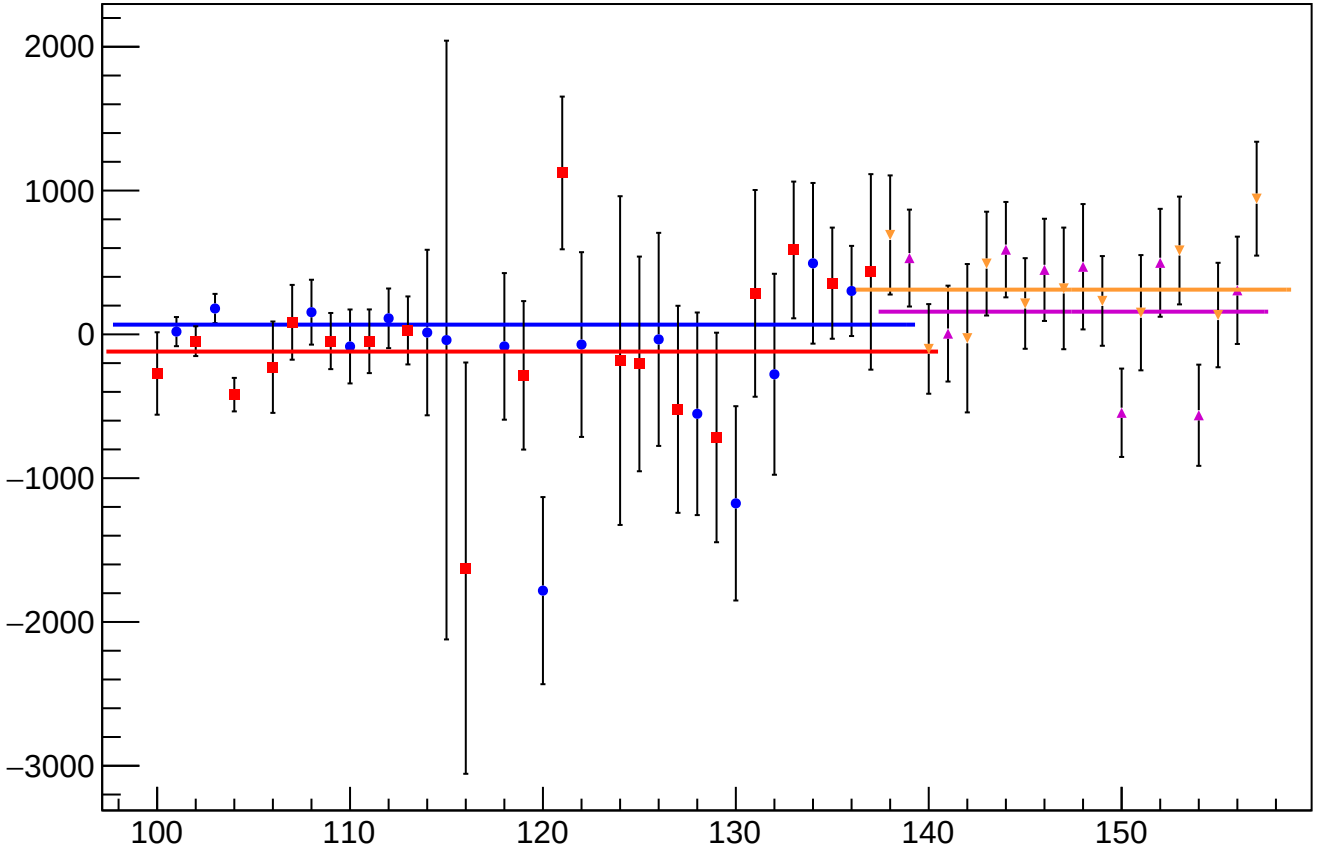
Left In: 331.155+/-0.084 χ^2/NDF:106499.4/8

+ sign 152.506+/-0.034 χ^2/NDF: 11865911.6/26

All: 152.405+/-0.024 χ^2/NDF: 22501543.8/54

- sign 152.303+/-0.034 χ^2/NDF: 10635614.7/27

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 311.015+/-111.250 χ^2/NDF:6.9/10

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

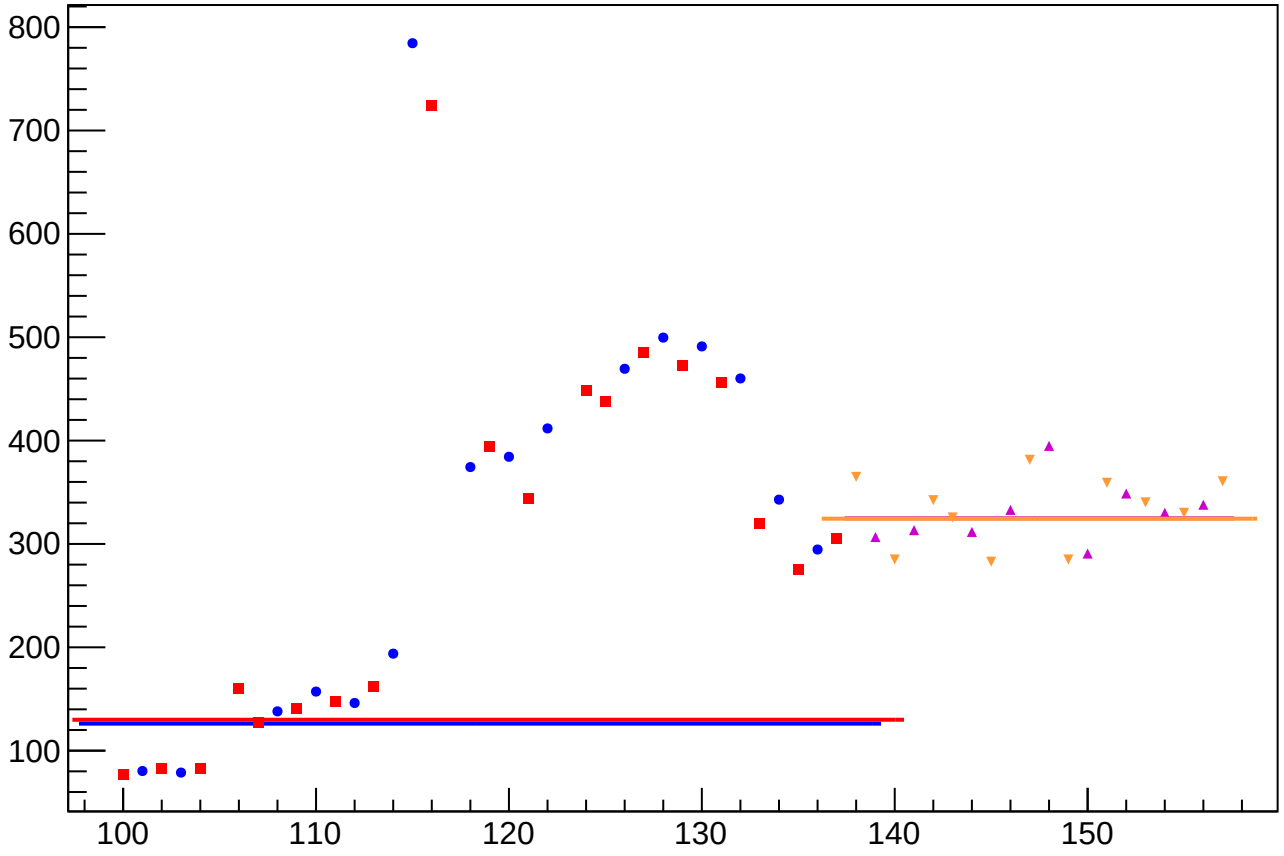
Left In: 157.780+/-117.019 χ^2/NDF:14.7/8

+ sign 121.289+/-52.240 χ^2/NDF: 26.4/26

All: 27.574+/-36.827 χ^2/NDF: 73.2/54

- sign -65.013+/-51.925 χ^2/NDF: 40.4/27

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 324.457+/-0.079 χ^2/NDF:192656.6/10

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

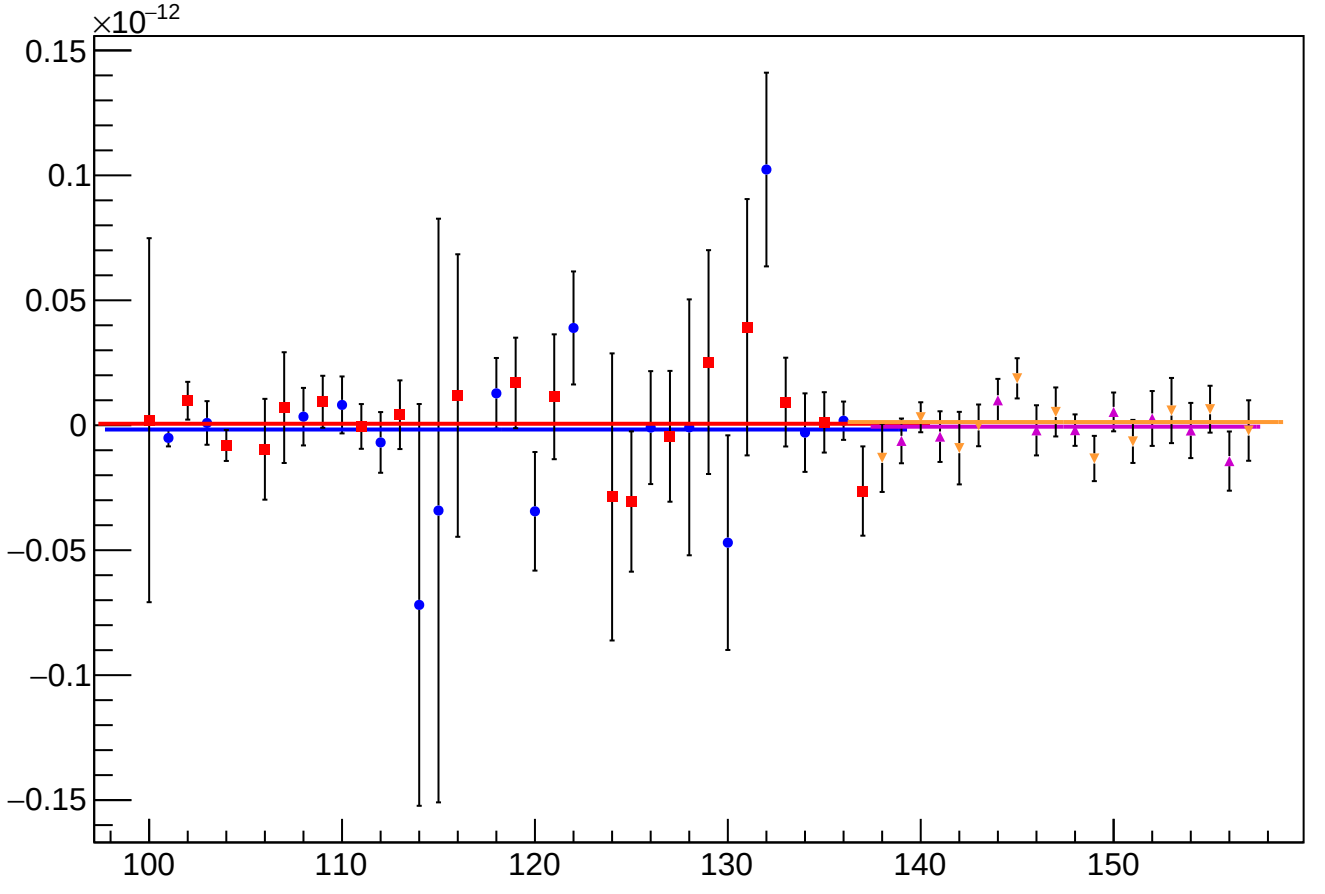
Left In: 324.794+/-0.083 χ^2/NDF:99779.3/8

+ sign 169.880+/-0.037 χ^2/NDF: 10366247.0/26

All: 169.077+/-0.026 χ^2/NDF: 19569338.6/54

- sign 168.285+/-0.037 χ^2/NDF: 9202154.4/27

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

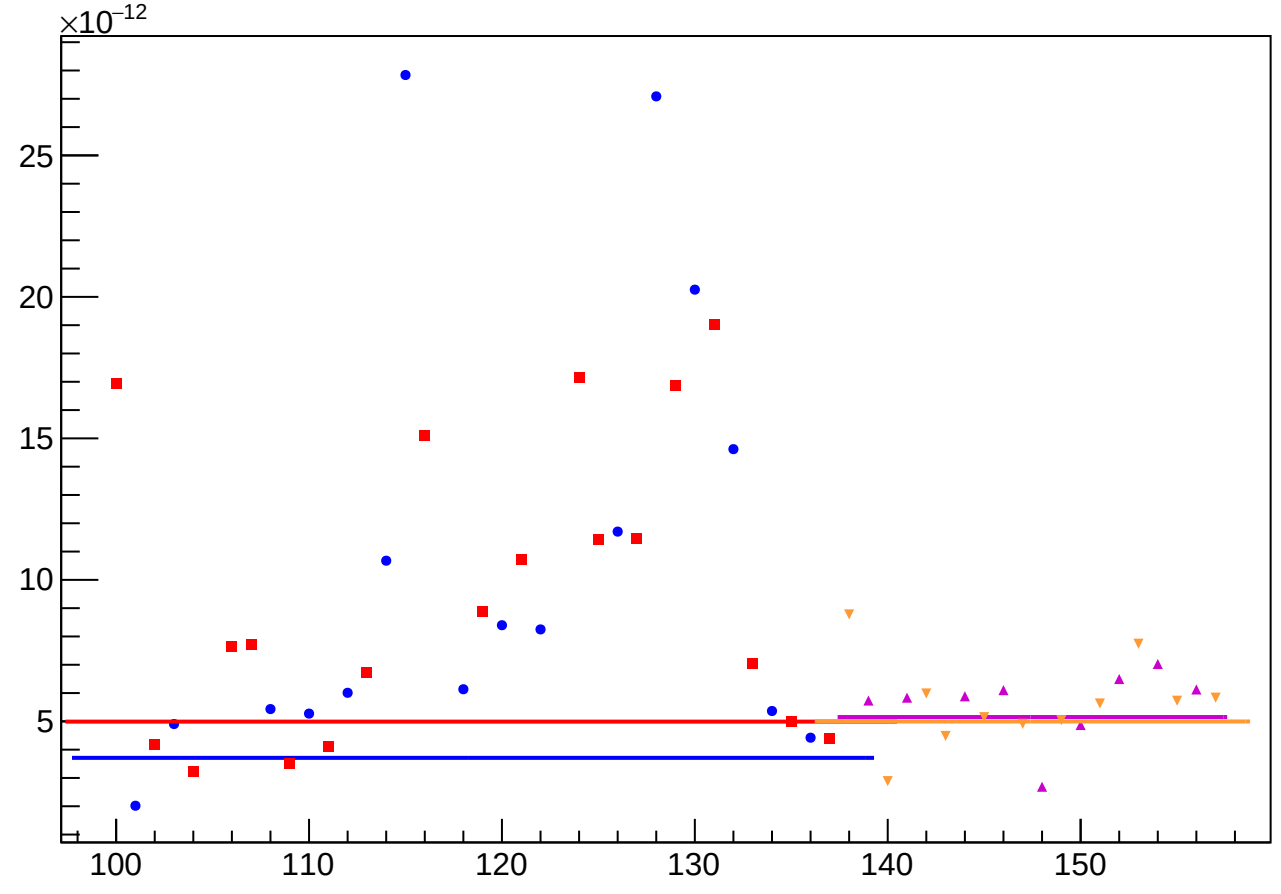
Left In: -0.000+/-0.000 χ^2/NDF:4.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 28.9/26

All: -0.000+/-0.000 χ^2/NDF: 43.7/54

- sign -0.000+/-0.000 χ^2/NDF: 14.8/27

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:539784.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

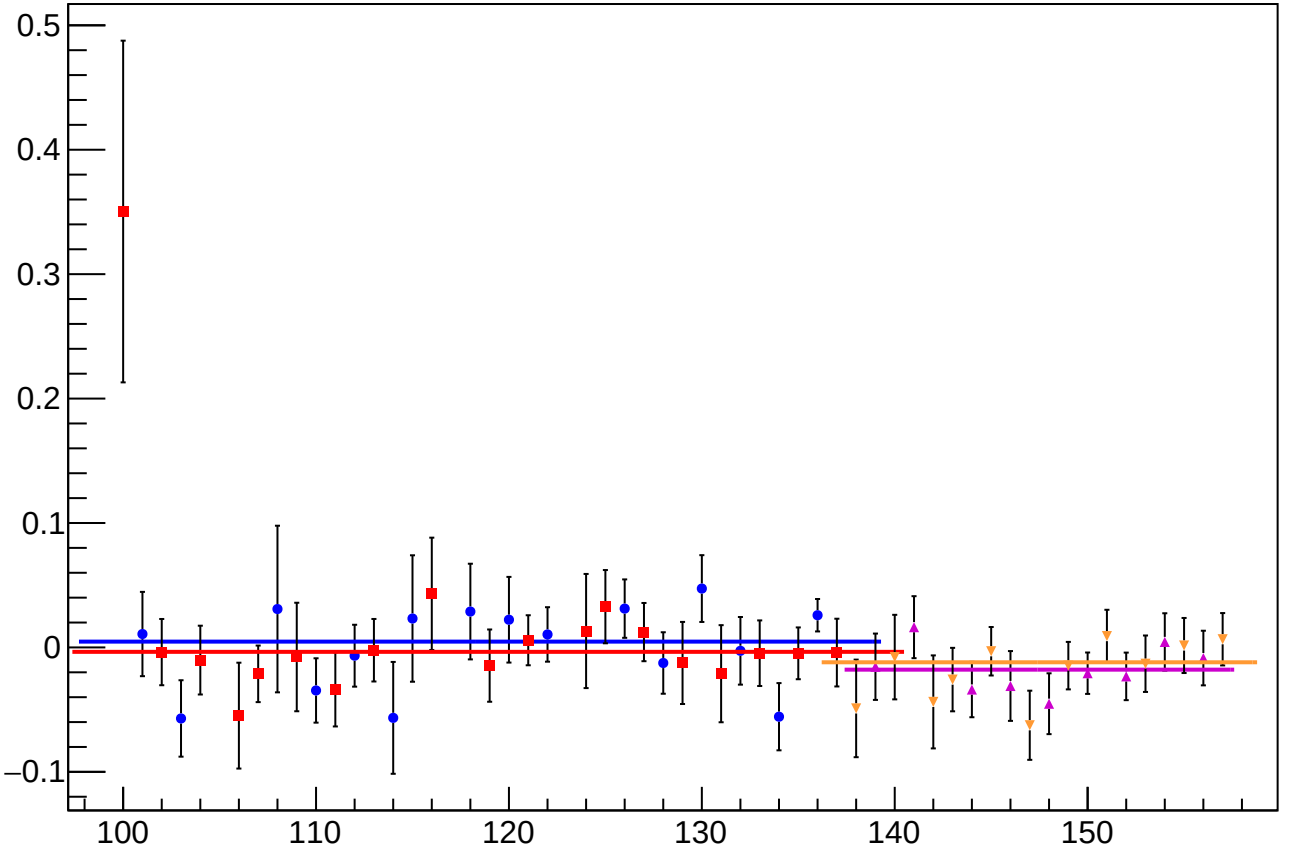
Left In: 0.000+/-0.000 χ^2/NDF:459861.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 2944626.5/26

All: 0.000+/-0.000 χ^2/NDF: 4852141.3/54

- sign 0.000+/-0.000 χ^2/NDF: 1757974.0/27

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

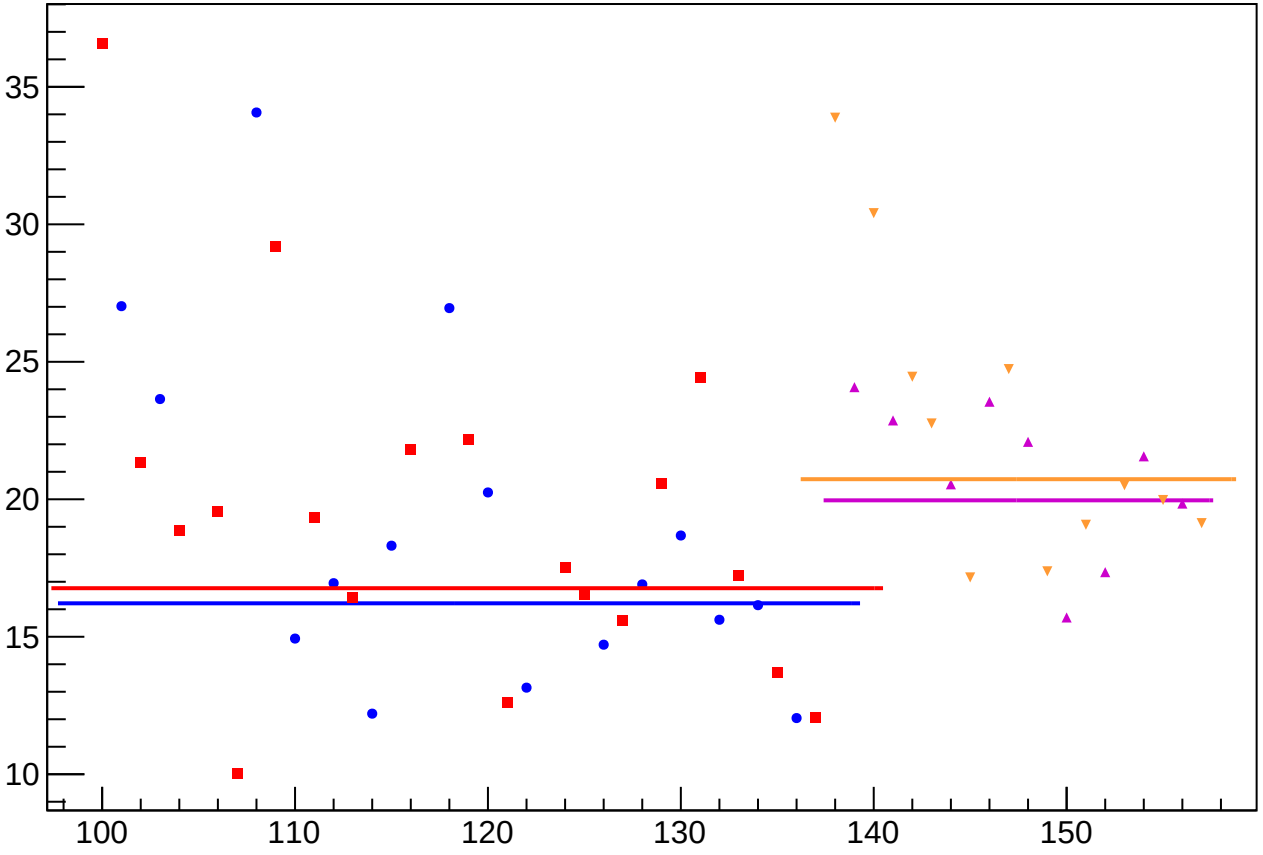
Left In: -0.018+/-0.007 χ^2/NDF:5.1/8

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.006+/-0.003 χ^2/NDF: 53.8/54

- sign -0.010+/-0.005 χ^2/NDF: 20.8/27

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

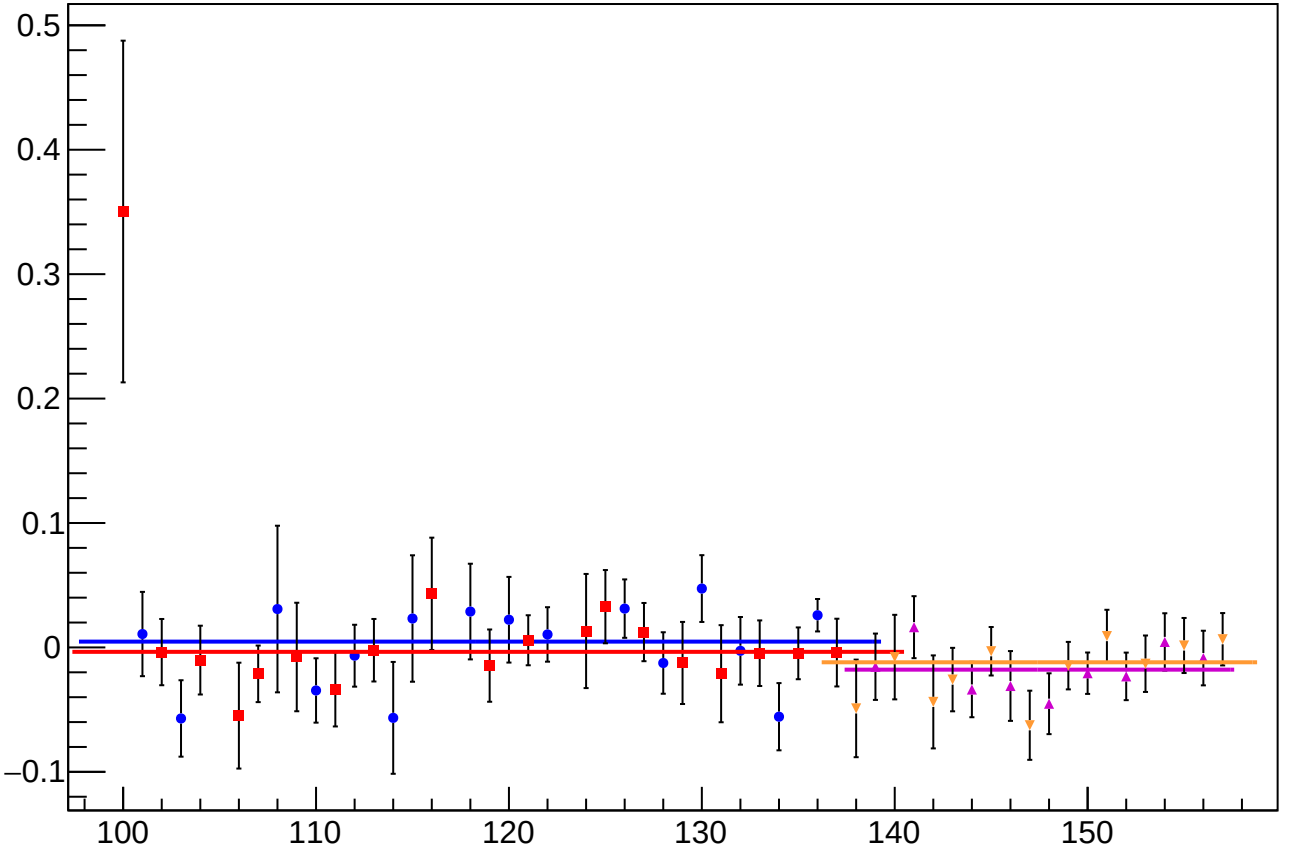
Left In: 19.962+/-0.005 χ^2/NDF:302383.7/8

+ sign 18.245+/-0.003 χ^2/NDF: 1985058.6/26

All: 18.217+/-0.002 χ^2/NDF: 3361469.3/54

- sign 18.190+/-0.003 χ^2/NDF: 1376284.8/27

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

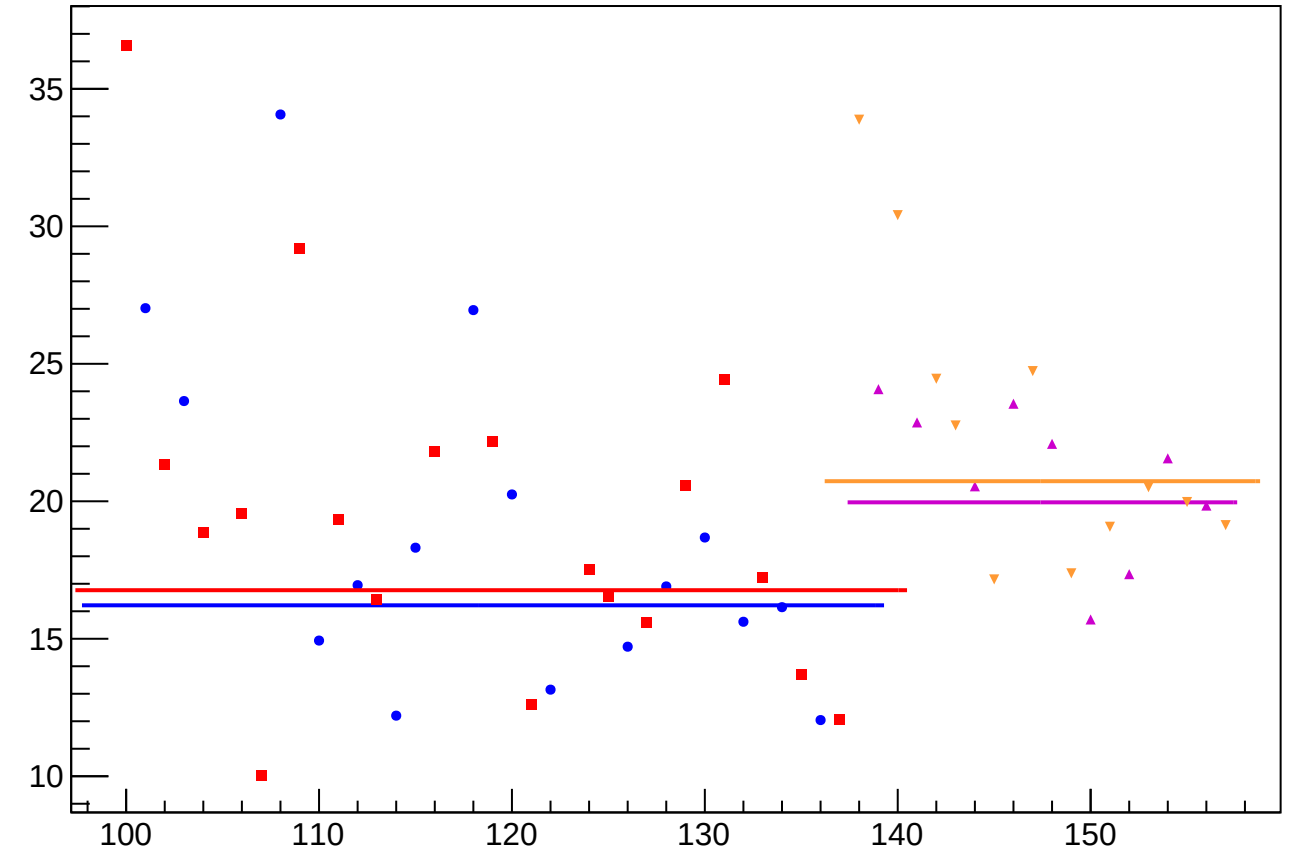
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.018+/-0.007 χ^2/NDF:5.1/8

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.006+/-0.003 χ^2/NDF: 53.8/54

- sign -0.010+/-0.005 χ^2/NDF: 20.8/27



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.731+/-0.005 χ^2/NDF:616372.4/10

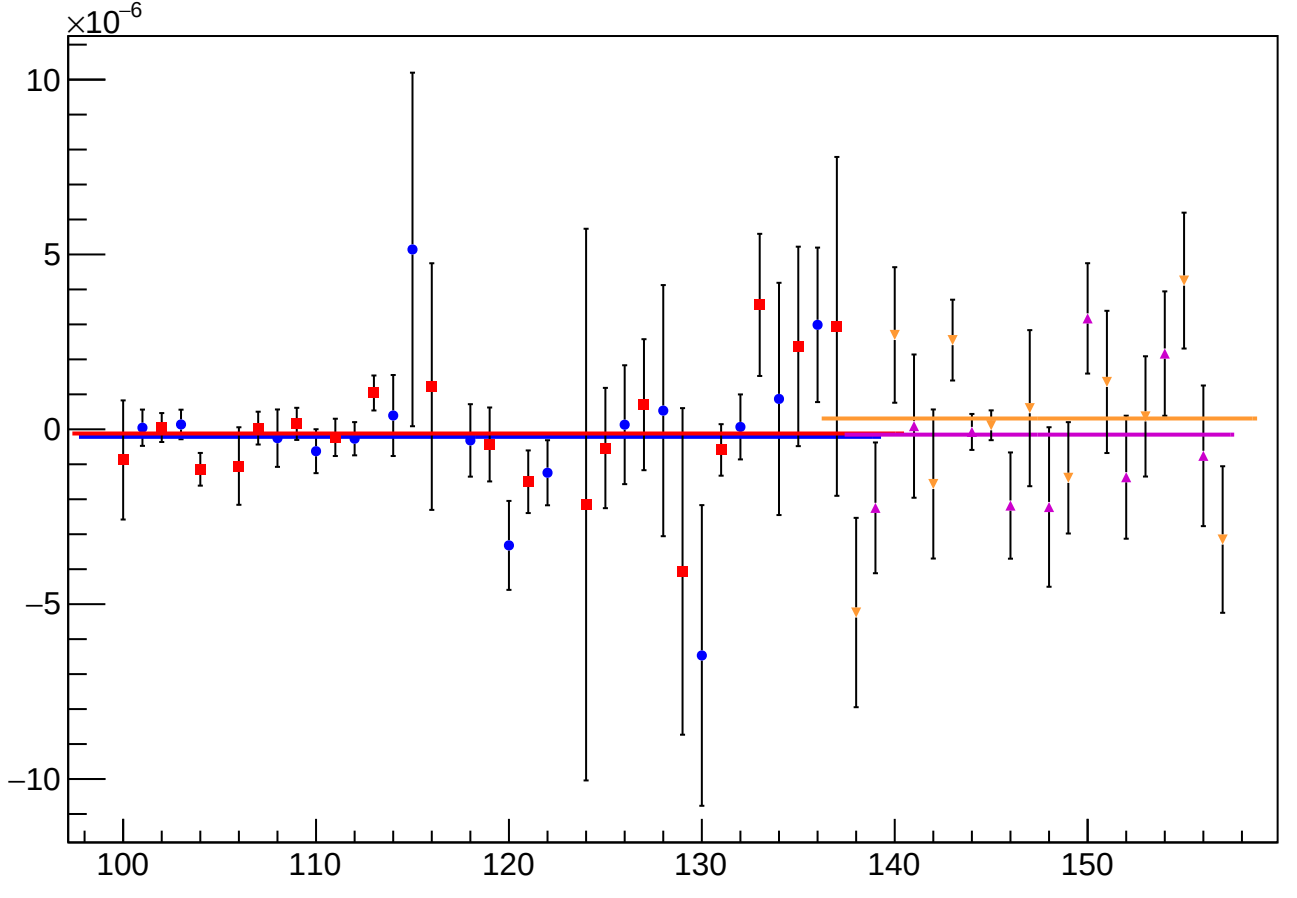
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.962+/-0.005 χ^2/NDF:302383.7/8

+ sign 18.245+/-0.003 χ^2/NDF: 1985058.6/26

All: 18.217+/-0.002 χ^2/NDF: 3361469.3/54

- sign 18.190+/-0.003 χ^2/NDF: 1376284.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/10

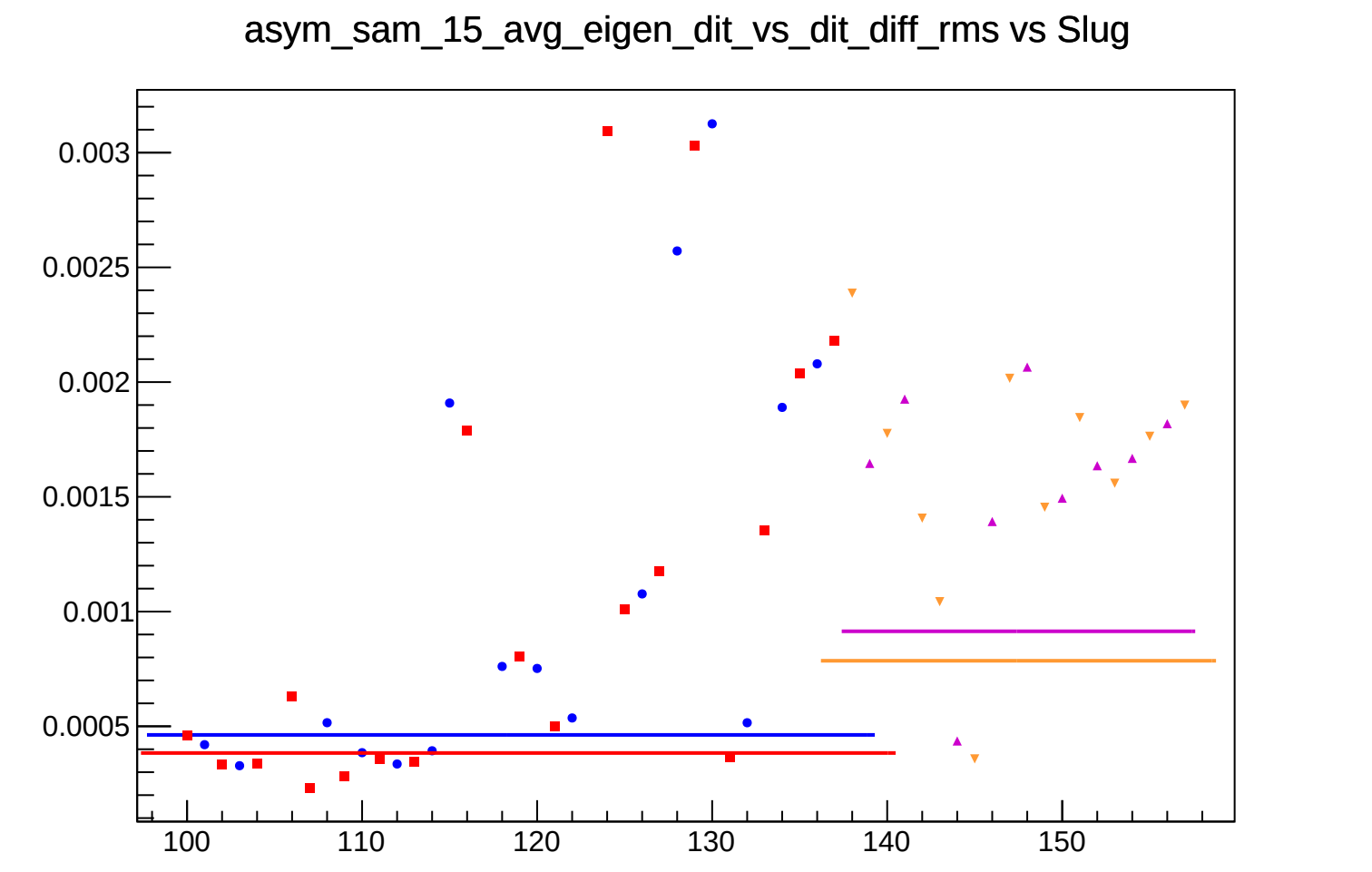
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/26

All: -0.000+/-0.000 χ^2/NDF: 65.8/54

- sign -0.000+/-0.000 χ^2/NDF: 30.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6487062.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

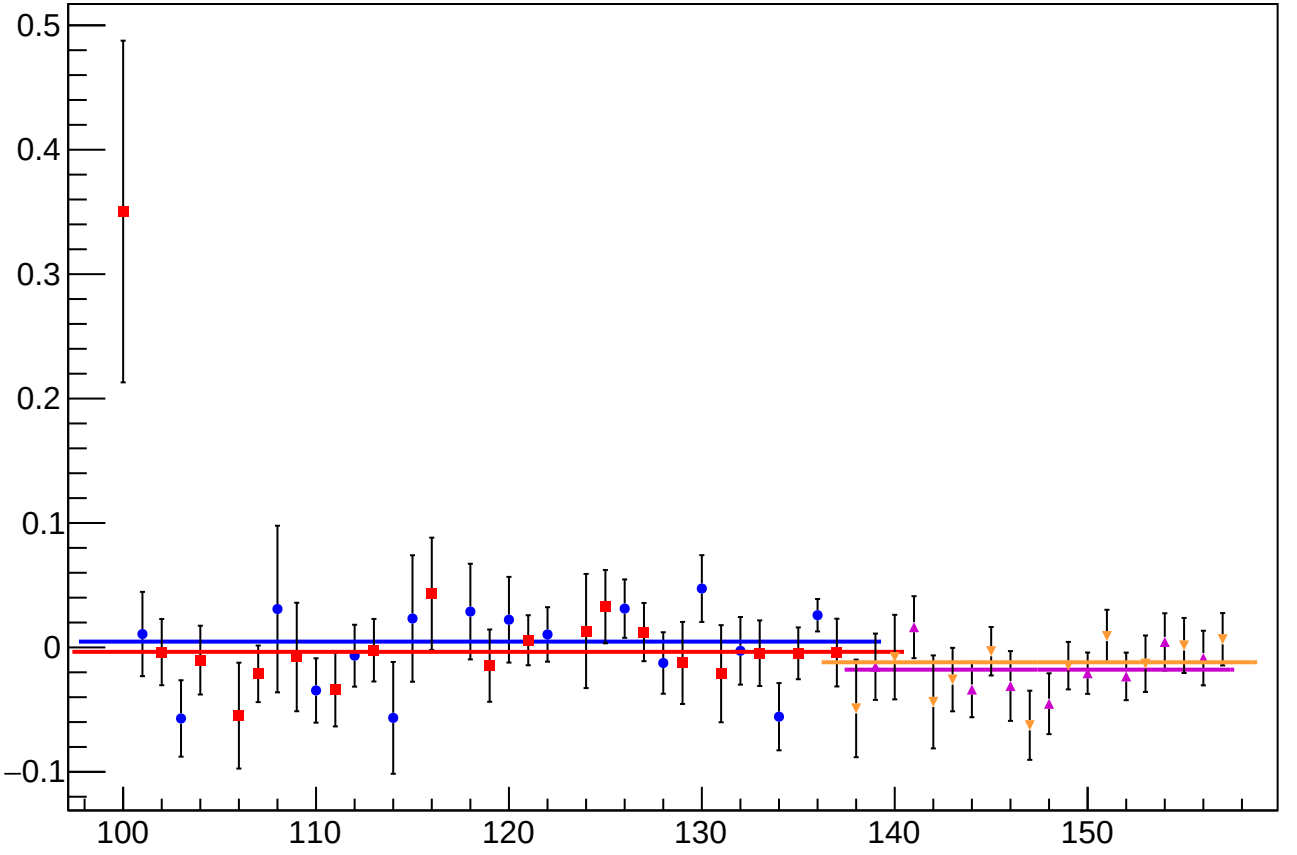
Left In: 0.001+/-0.000 χ^2/NDF:4600507.7/8

+ sign 0.001+/-0.000 χ^2/NDF: 11806307.9/26

All: 0.001+/-0.000 χ^2/NDF: 23658757.4/54

- sign 0.000+/-0.000 χ^2/NDF: 11609982.2/27

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

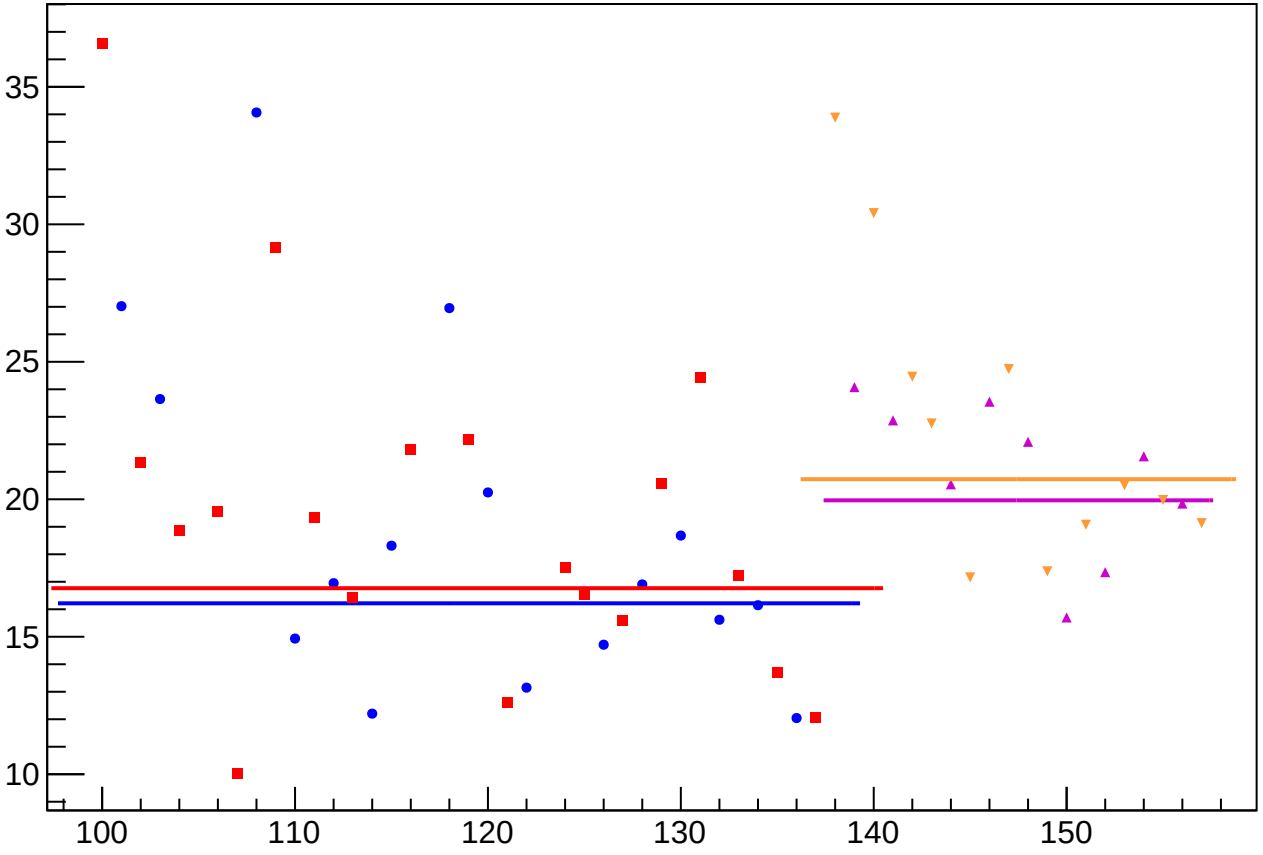
Left In: -0.018+/-0.007 χ^2/NDF:5.1/8

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.006+/-0.003 χ^2/NDF: 53.8/54

- sign -0.010+/-0.005 χ^2/NDF: 20.8/27

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.731+/-0.005 χ^2/NDF:616418.8/10

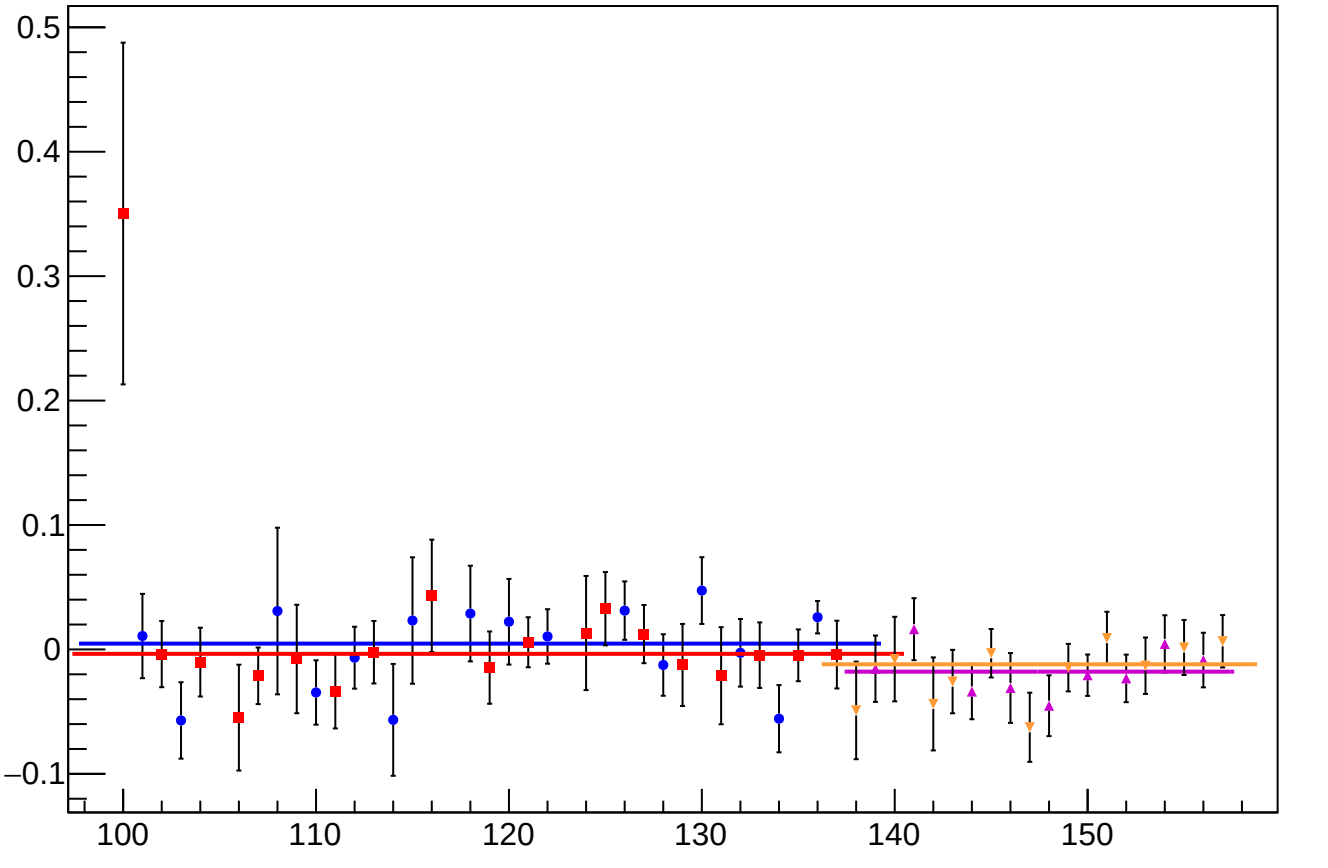
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.962+/-0.005 χ^2/NDF:302466.9/8

+ sign 18.245+/-0.003 χ^2/NDF: 1985138.9/26

All: 18.217+/-0.002 χ^2/NDF: 3361669.7/54

- sign 18.190+/-0.003 χ^2/NDF: 1376404.8/27



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.012+/-0.007 χ^2/NDF:7.6/10

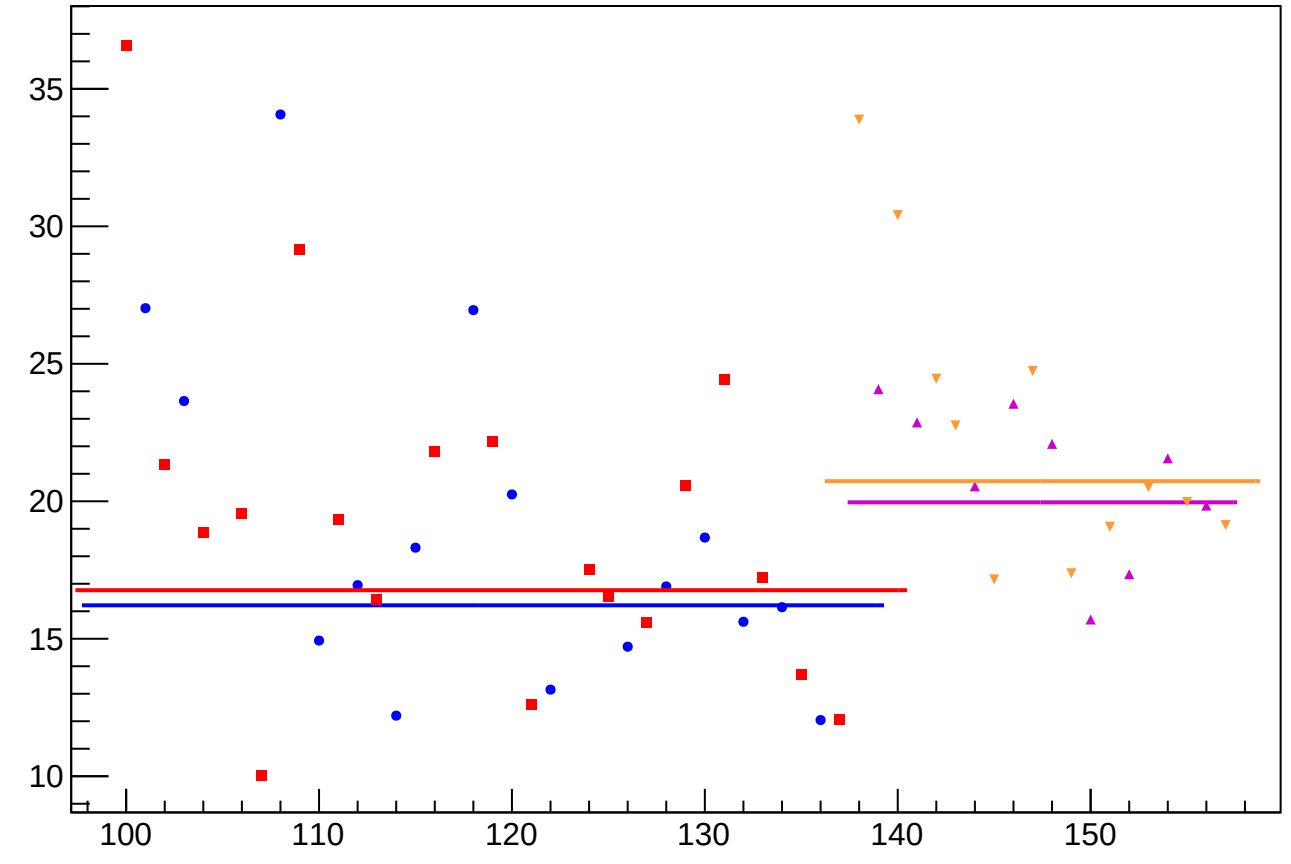
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.018+/-0.007 χ^2/NDF:5.1/8

+ sign -0.003+/-0.005 χ^2/NDF: 31.9/26

All: -0.006+/-0.003 χ^2/NDF: 53.8/54

- sign -0.010+/-0.005 χ^2/NDF: 20.8/27



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.731+/-0.005 χ^2/NDF:616418.8/10

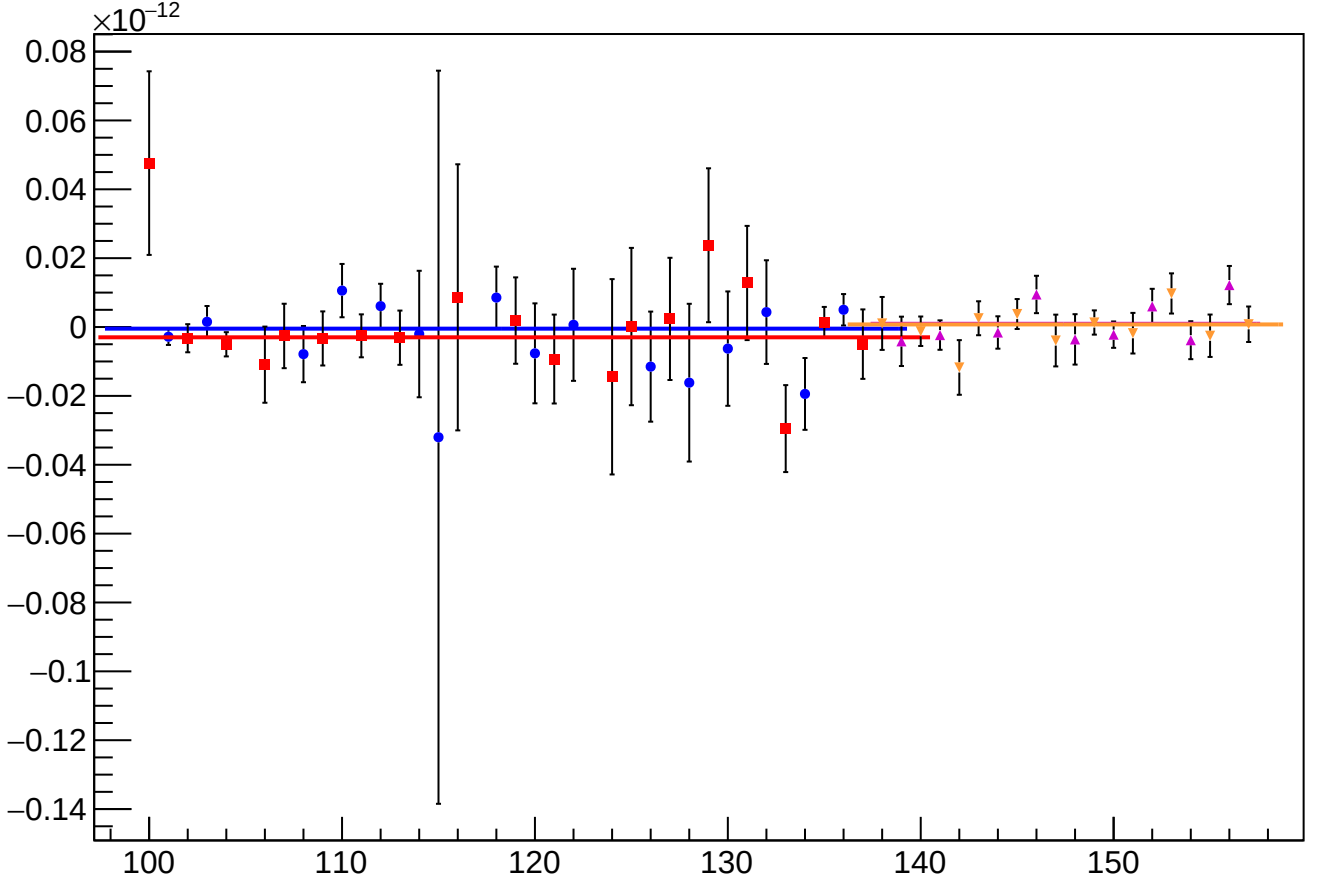
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.962+/-0.005 χ^2/NDF:302466.9/8

\+ sign 18.245+/-0.003 χ^2/NDF: 1985138.9/26

All: 18.217+/-0.002 χ^2/NDF: 3361669.7/54

\- sign 18.190+/-0.003 χ^2/NDF: 1376404.8/27



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/10

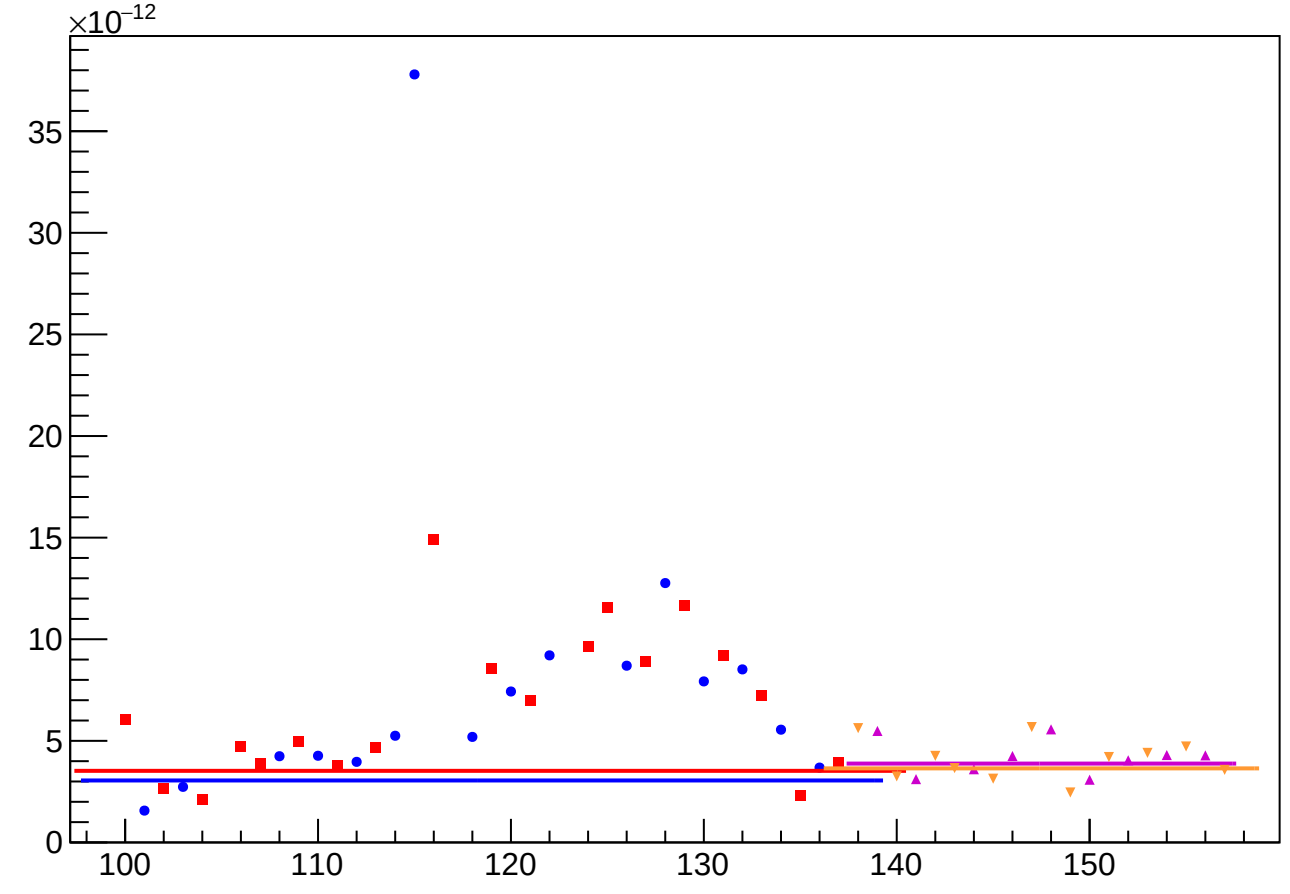
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/26

All: -0.000+/-0.000 χ^2/NDF: 45.9/54

- sign -0.000+/-0.000 χ^2/NDF: 26.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:675883.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

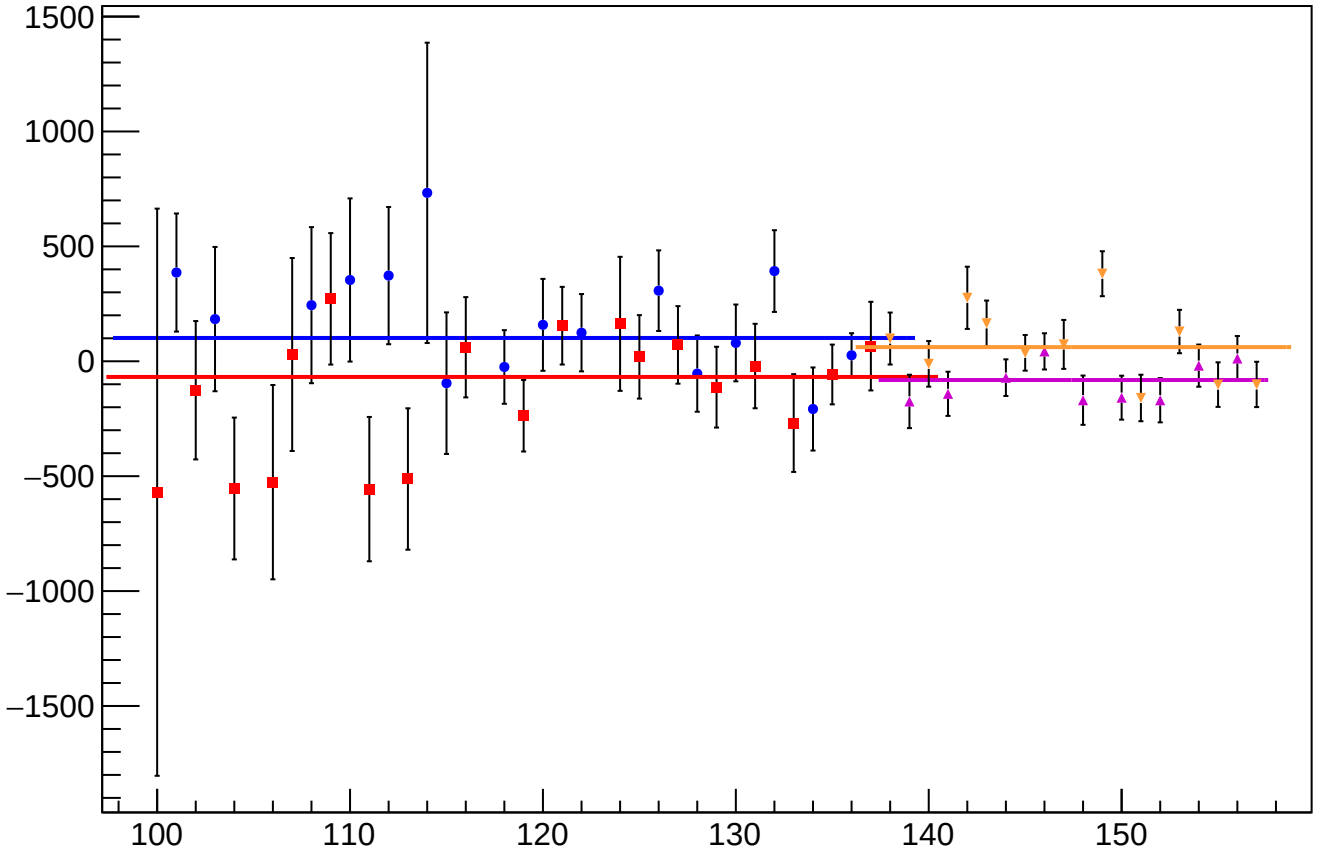
Left In: 0.000+/-0.000 χ^2/NDF:396835.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 3750002.9/26

All: 0.000+/-0.000 χ^2/NDF: 6836240.6/54

- sign 0.000+/-0.000 χ^2/NDF: 2997766.1/27

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 61.646+/-29.957 χ^2/NDF:25.9/10

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

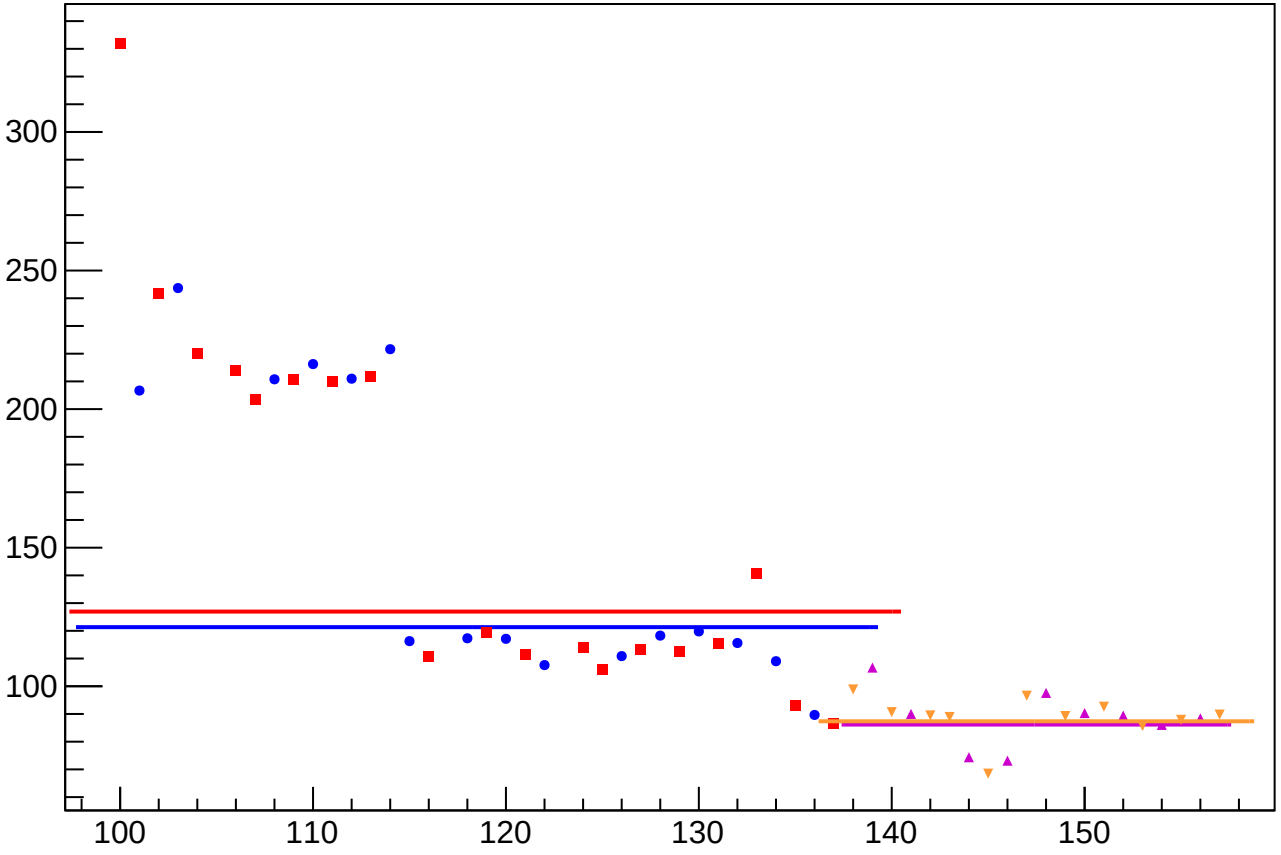
Left In: -81.574+/-31.187 χ^2/NDF:7.1/8

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: 0.519+/-18.275 χ^2/NDF: 80.0/54

- sign -77.728+/-26.361 χ^2/NDF: 23.3/27

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

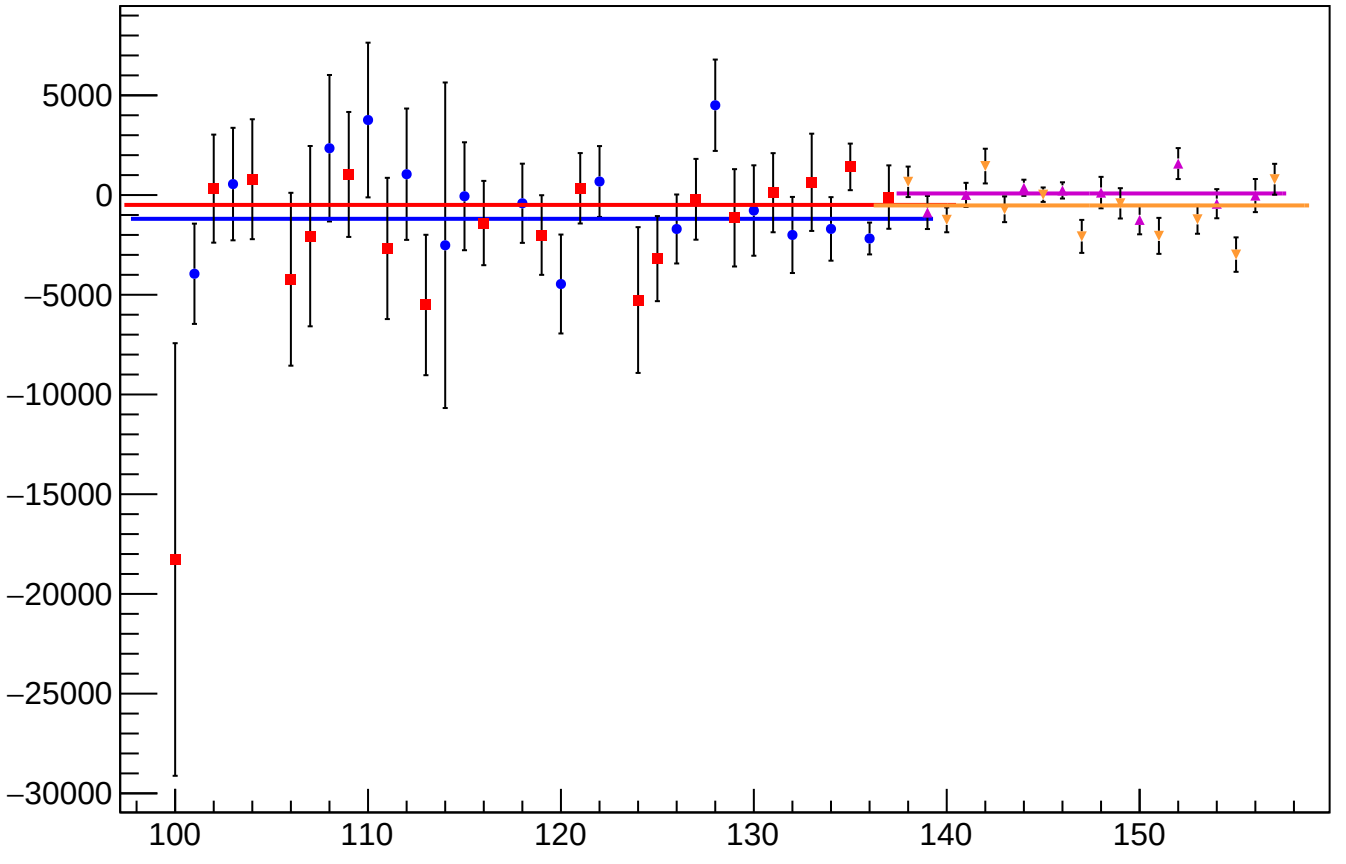
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.181+/-0.022 χ^2/NDF:194029.6/8

\+ sign 96.986+/-0.018 χ^2/NDF: 2181139.2/26

All: 97.388+/-0.013 χ^2/NDF: 4823581.5/54

\- sign 97.823+/-0.019 χ^2/NDF: 2641395.9/27



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -521.182+/-200.080 χ^2/NDF:29.5/10

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

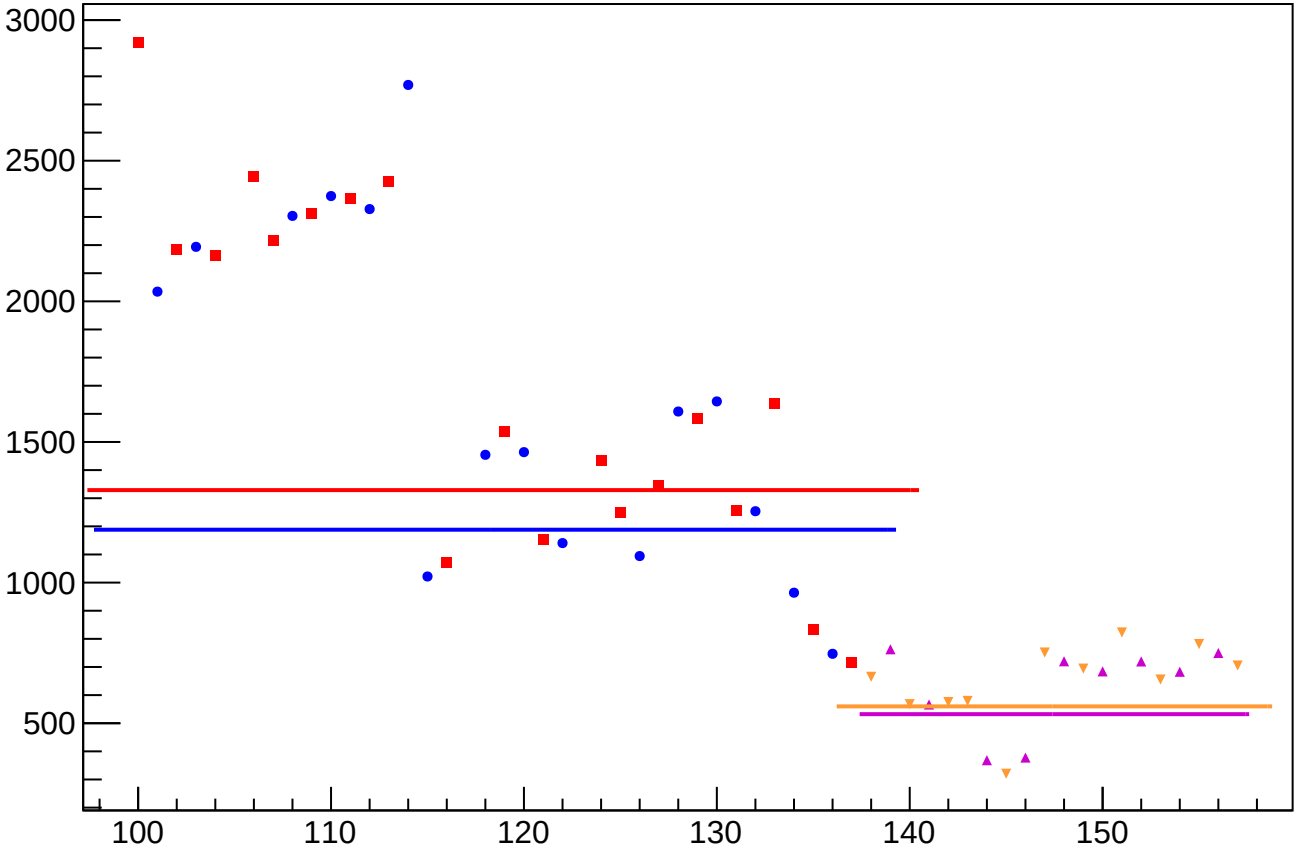
Left In: 79.476+/-200.707 χ^2/NDF:9.6/8

+ sign -620.894+/-184.616 χ^2/NDF: 47.1/26

All: -312.274+/-131.491 χ^2/NDF: 77.3/54

- sign 5.473+/-187.326 χ^2/NDF: 24.5/27

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 559.918+/-0.141 χ^2/NDF:1491449.4/10

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

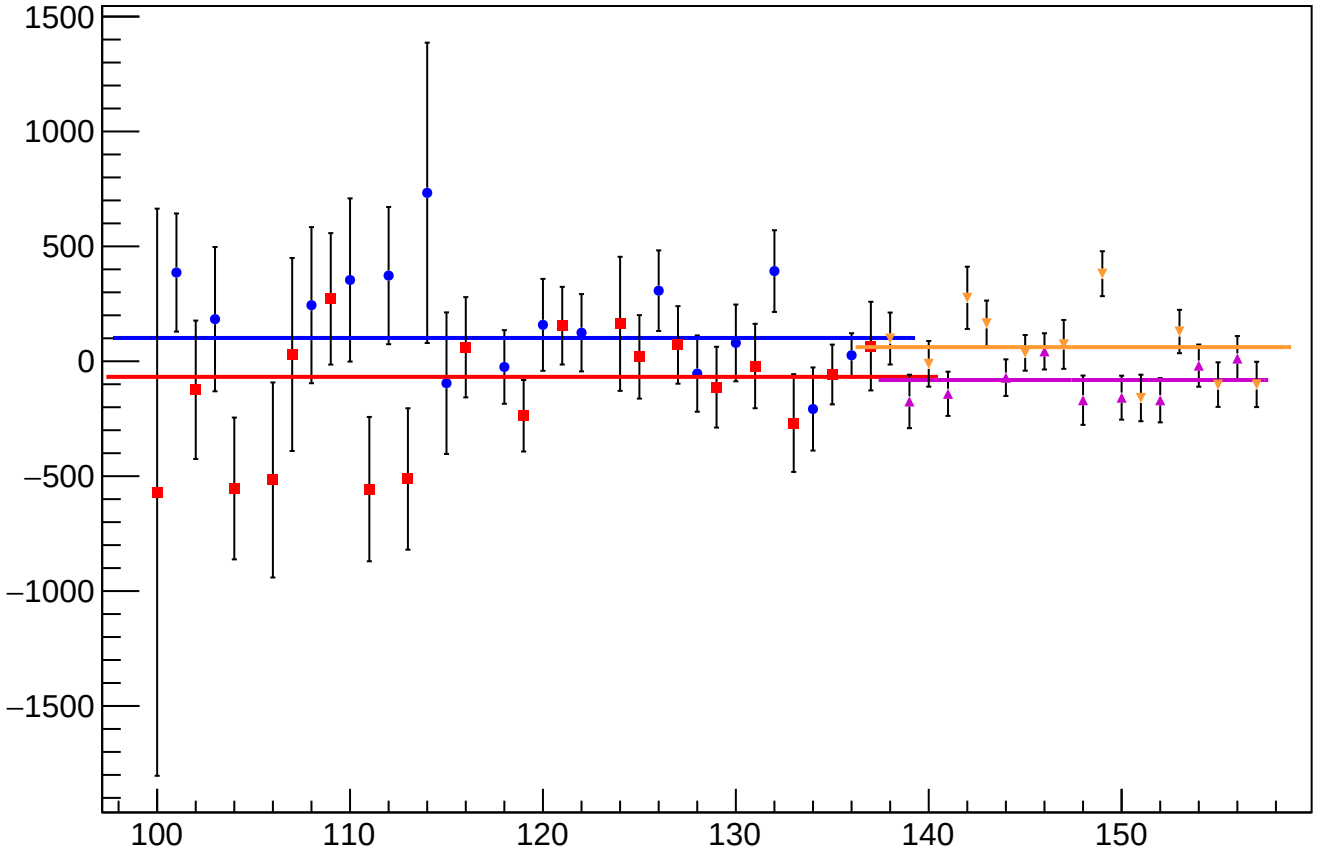
Left In: 532.245+/-0.142 χ^2/NDF:1317105.0/8

+ sign 653.264+/-0.131 χ^2/NDF: 6465533.5/26

All: 644.228+/-0.093 χ^2/NDF: 13810920.7/54

- sign 634.925+/-0.132 χ^2/NDF: 7335663.0/27

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

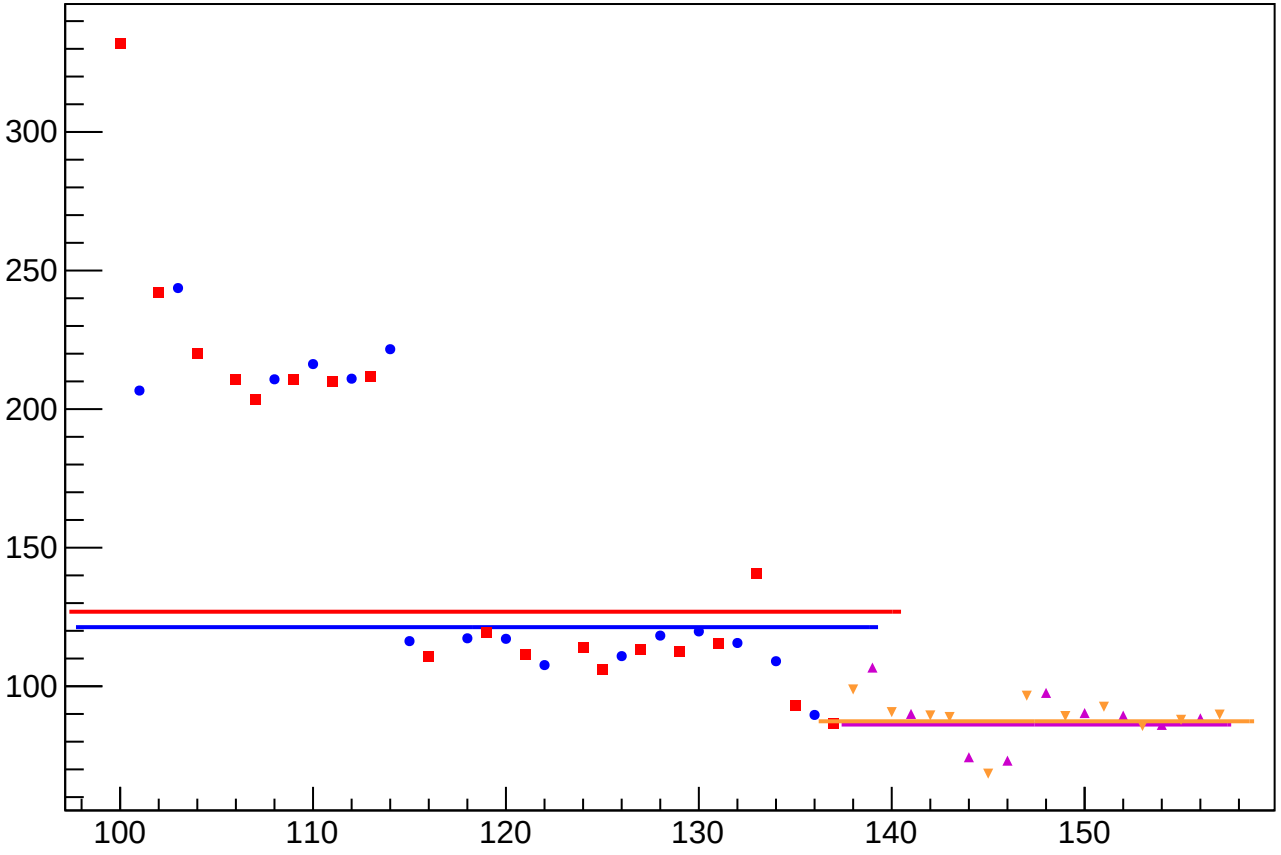
Left In: -81.574+/-31.187 χ^2/NDF:7.1/8

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: 0.552+/-18.275 χ^2/NDF: 79.9/54

- sign -77.664+/-26.361 χ^2/NDF: 23.2/27

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

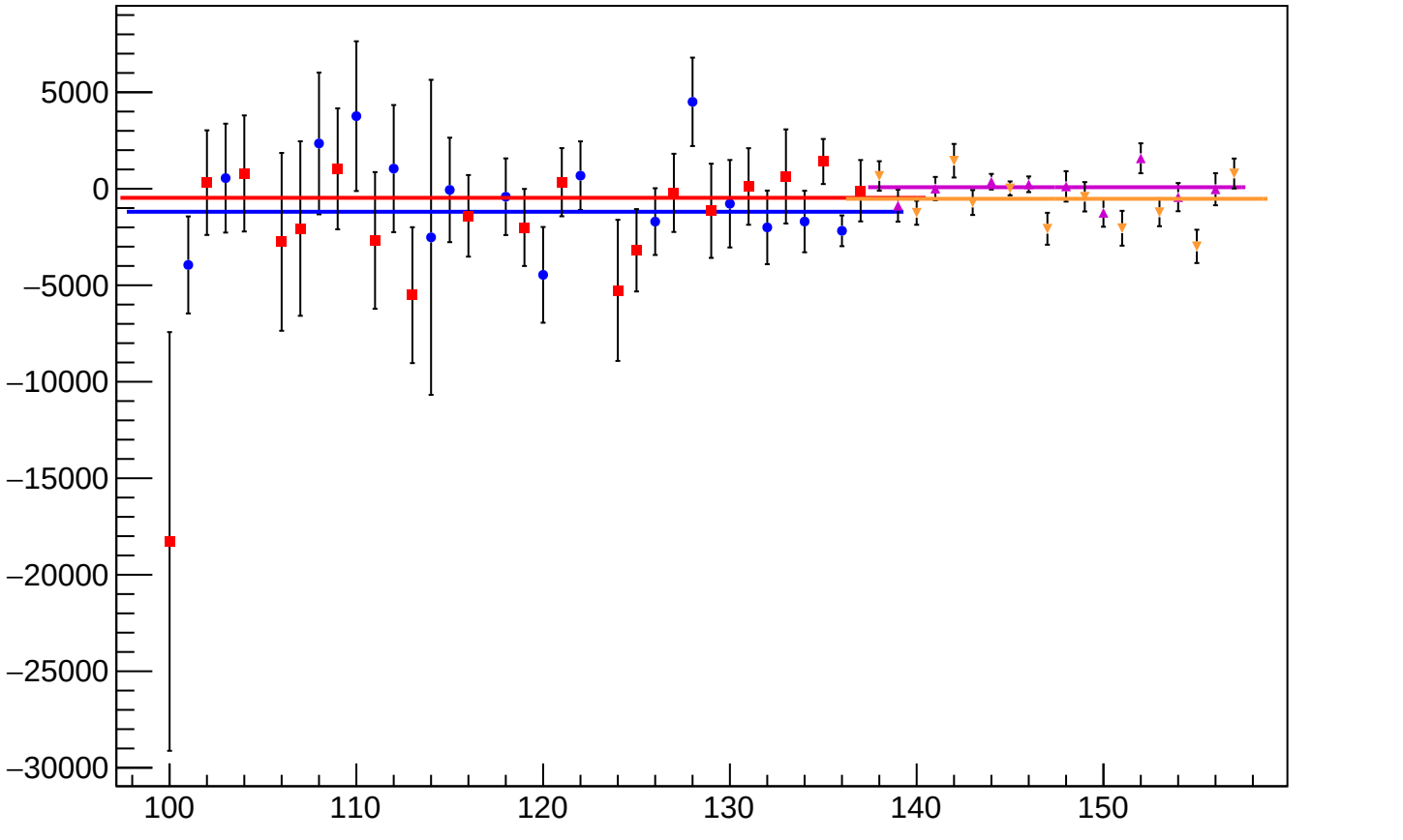
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.181+/-0.022 χ^2/NDF:194029.6/8

+ sign 96.986+/-0.018 χ^2/NDF: 2181141.5/26

All: 97.381+/-0.013 χ^2/NDF: 4814952.5/54

- sign 97.807+/-0.019 χ^2/NDF: 2632802.7/27



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -521.174+/-200.079 χ^2/NDF:29.5/10

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

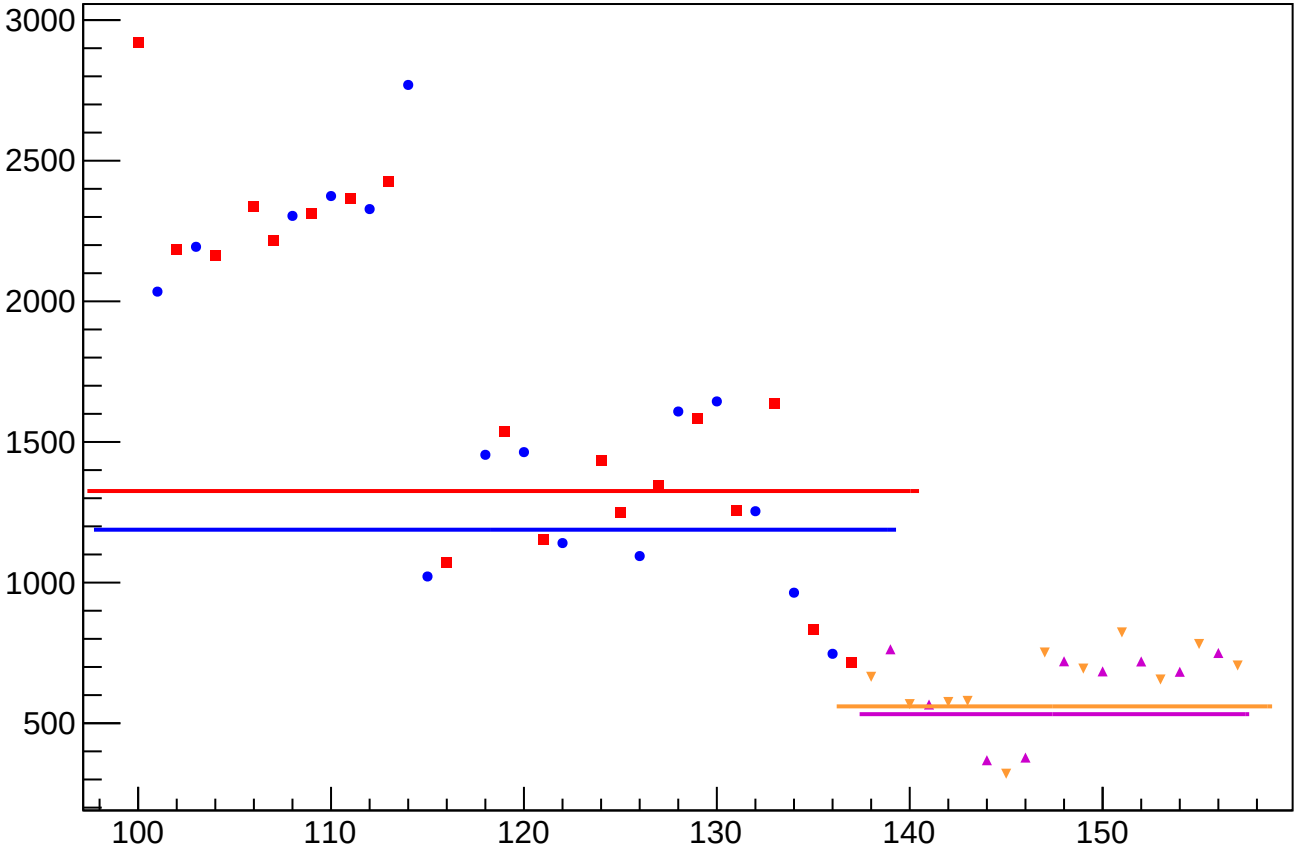
Left In: 79.474+/-200.707 χ^2/NDF:9.6/8

+ sign -620.883+/-184.616 χ^2/NDF: 47.1/26

All: -310.671+/-131.498 χ^2/NDF: 76.8/54

- sign 8.785+/-187.346 χ^2/NDF: 23.9/27

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

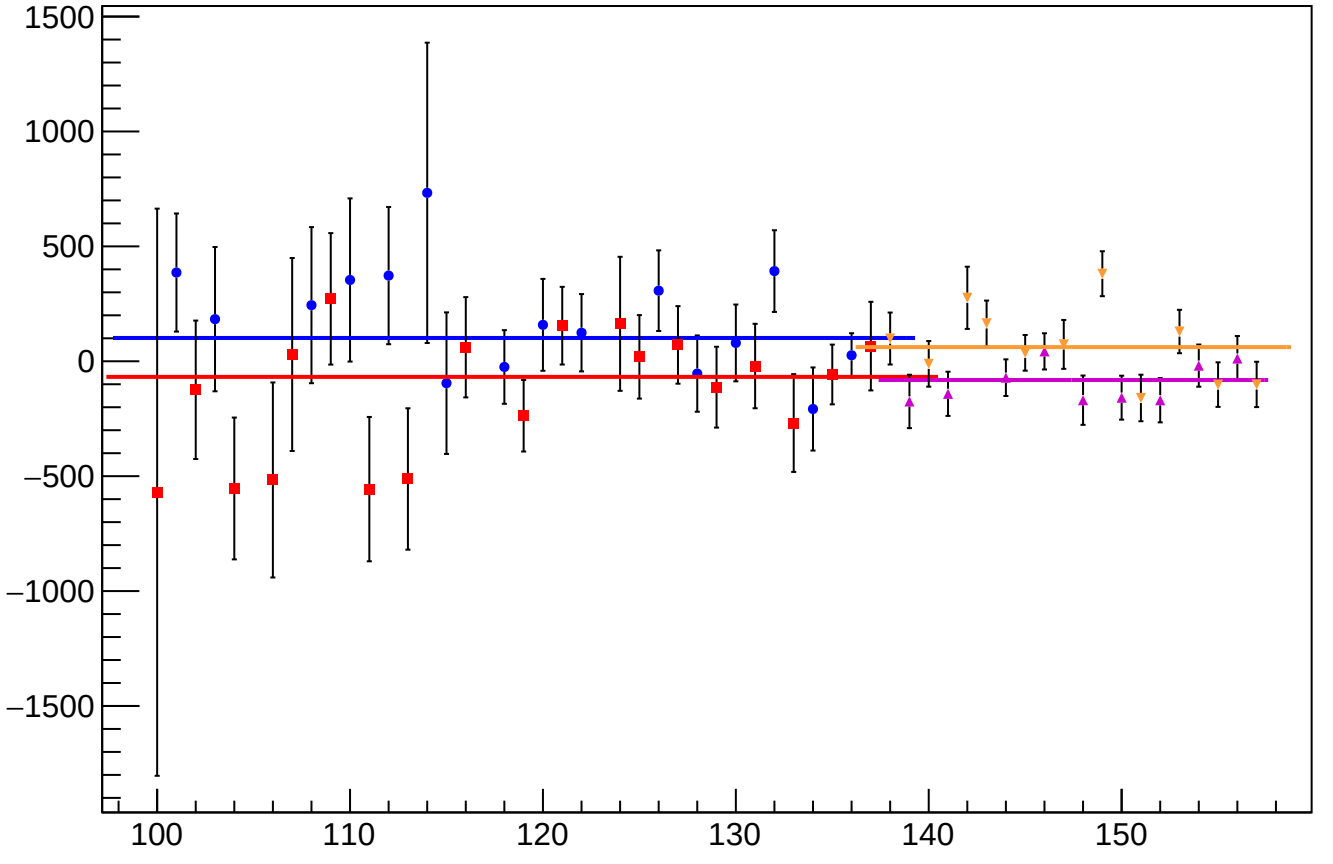
Left In: 532.245+/-0.142 χ^2/NDF:1317105.8/8

+ sign 653.263+/-0.131 χ^2/NDF: 6465571.2/26

All: 643.947+/-0.093 χ^2/NDF: 13735699.6/54

- sign 634.353+/-0.132 χ^2/NDF: 7259790.3/27

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 61.652+/-29.957 χ^2/NDF:25.9/10

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

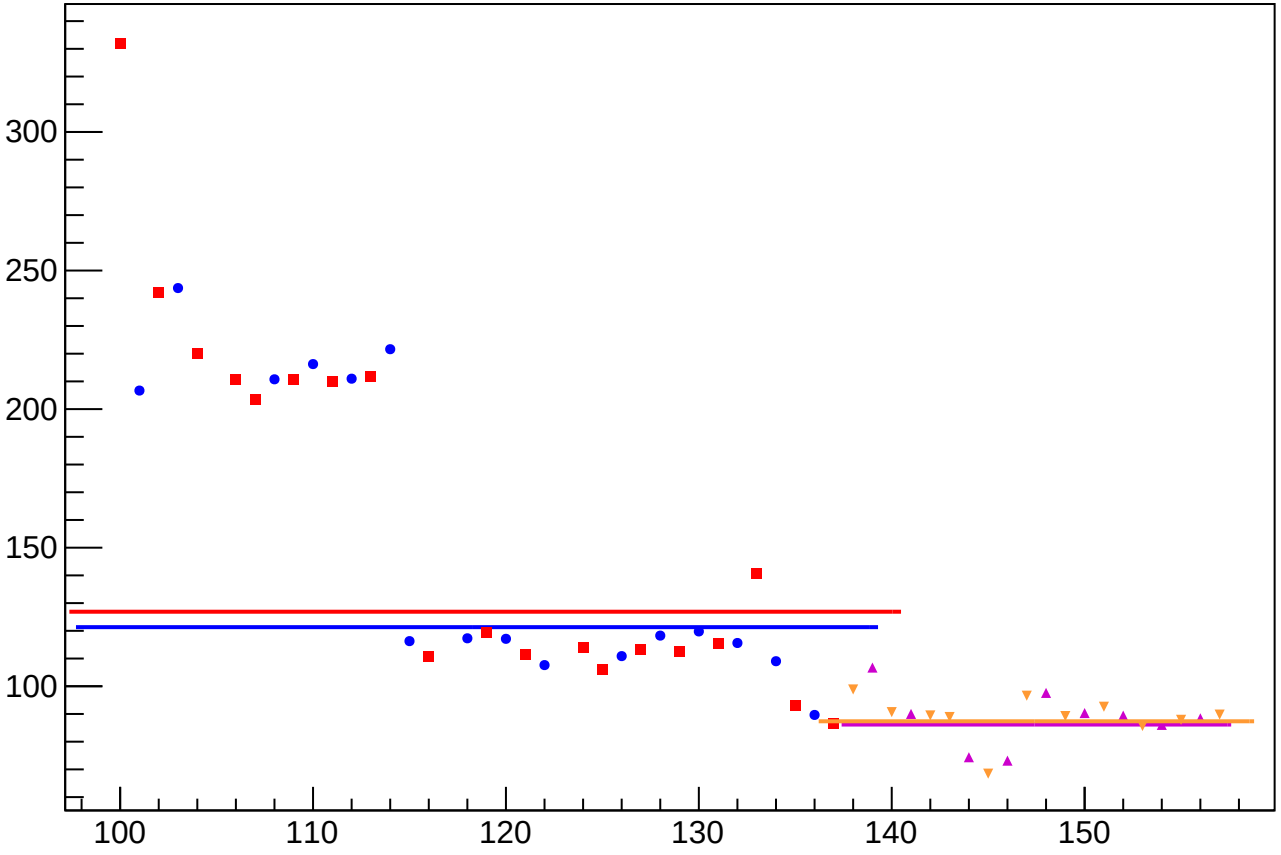
Left In: -81.574+/-31.187 χ^2/NDF:7.1/8

+ sign 72.931+/-25.358 χ^2/NDF: 39.7/26

All: 0.552+/-18.275 χ^2/NDF: 79.9/54

- sign -77.664+/-26.361 χ^2/NDF: 23.2/27

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.358+/-0.021 χ^2/NDF:165651.2/10

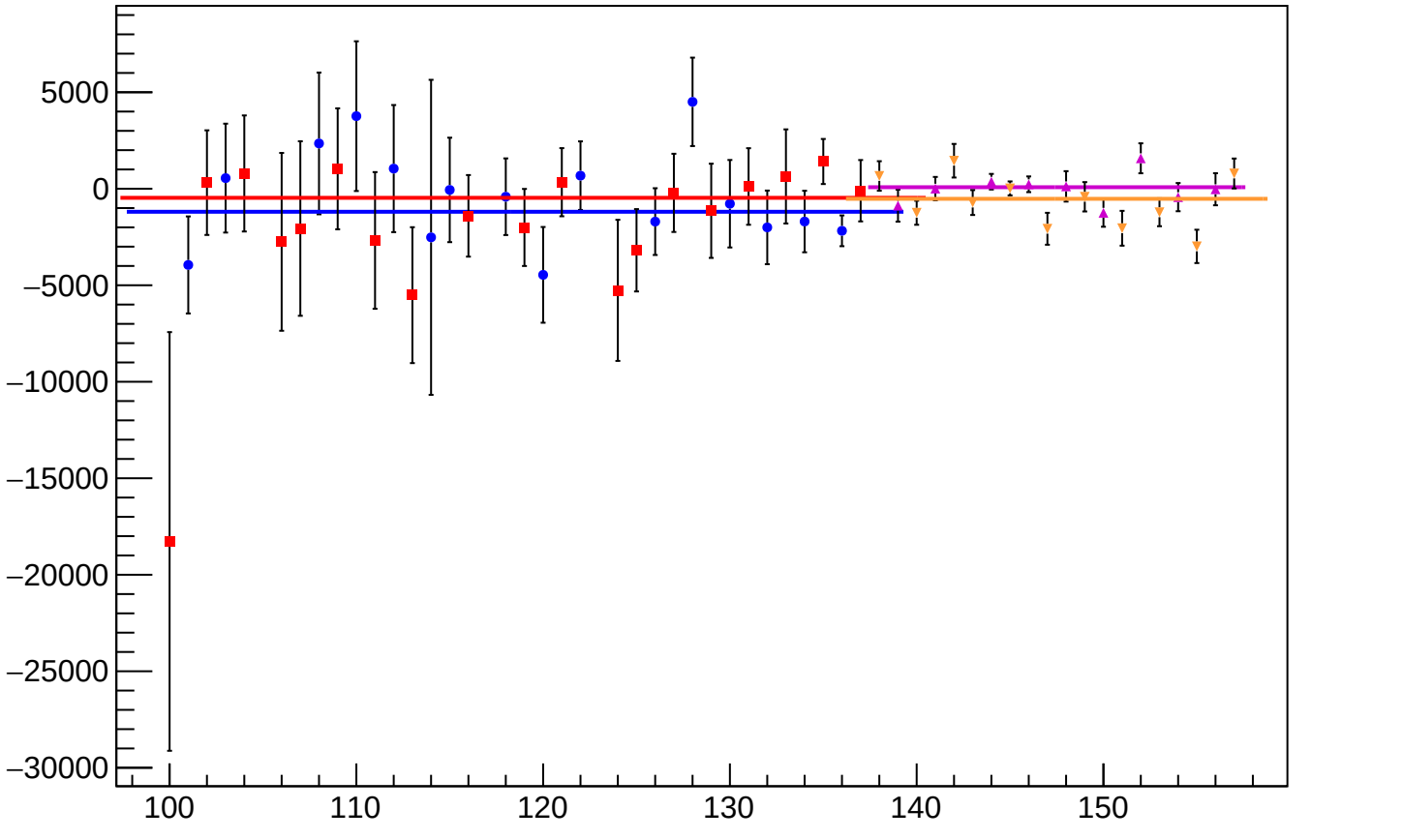
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.181+/-0.022 χ^2/NDF:194029.6/8

+ sign 96.986+/-0.018 χ^2/NDF: 2181141.5/26

All: 97.381+/-0.013 χ^2/NDF: 4814952.5/54

- sign 97.807+/-0.019 χ^2/NDF: 2632802.7/27



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -521.174+/-200.079 χ^2/NDF:29.5/10

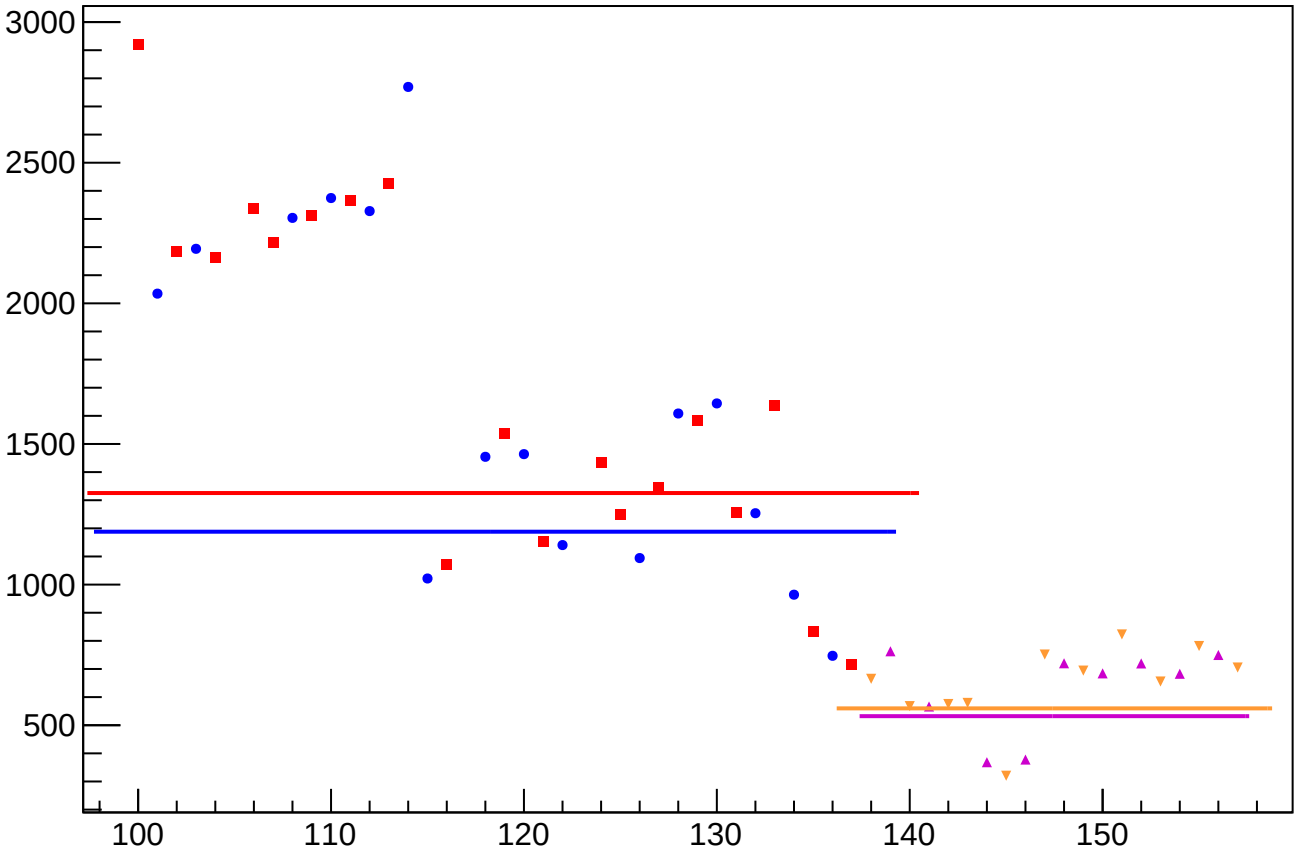
Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 79.474+/-200.707 χ^2/NDF:9.6/8

+ sign -620.883+/-184.616 χ^2/NDF: 47.1/26

All: -310.671+/-131.498 χ^2/NDF: 76.8/54

- sign 8.785+/-187.346 χ^2/NDF: 23.9/27



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 559.917+/-0.141 χ^2/NDF:1491458.5/10

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

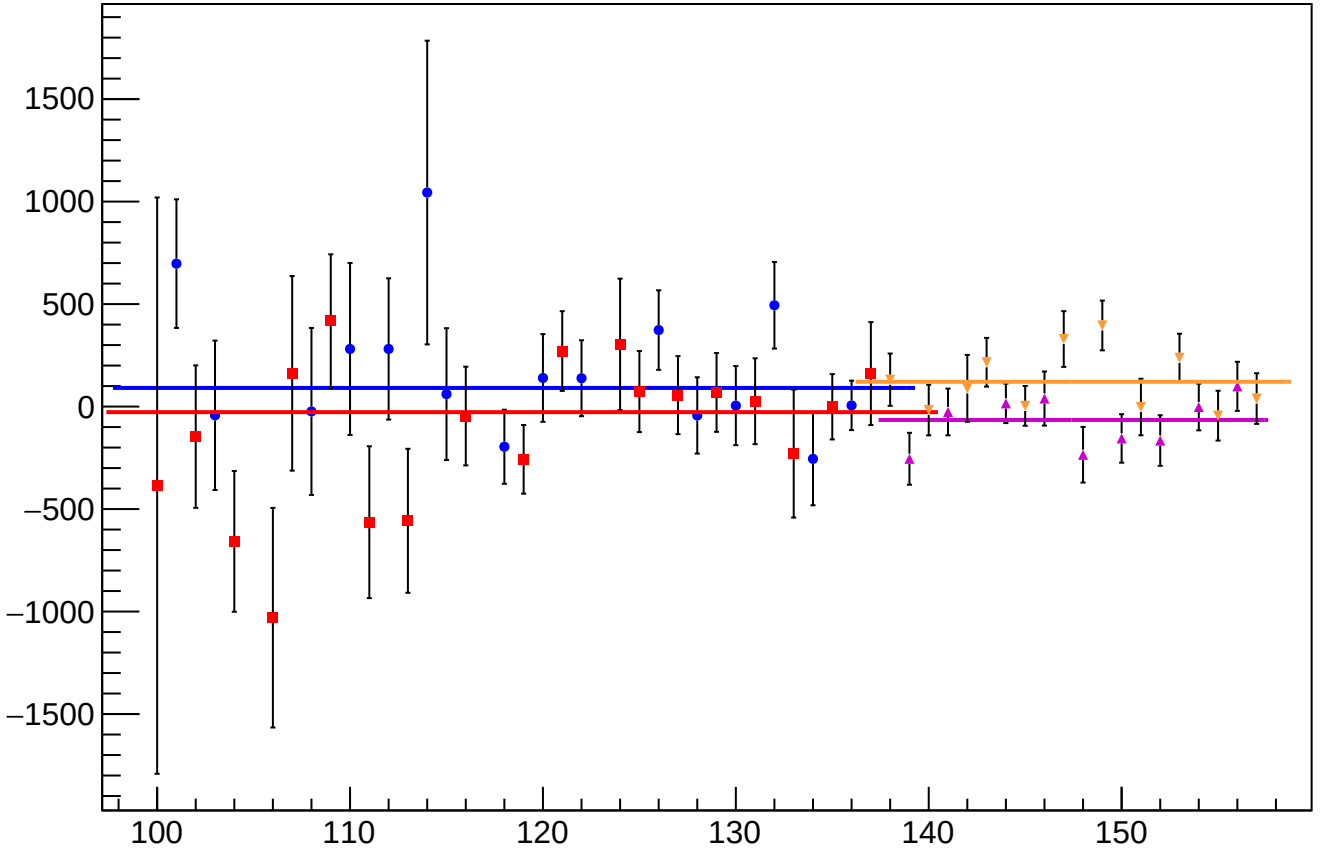
Left In: 532.245+/-0.142 χ^2/NDF:1317105.8/8

+ sign 653.263+/-0.131 χ^2/NDF: 6465571.2/26

All: 643.947+/-0.093 χ^2/NDF: 13735699.6/54

- sign 634.353+/-0.132 χ^2/NDF: 7259790.3/27

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 120.977+/-37.213 χ^2/NDF:15.0/10

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

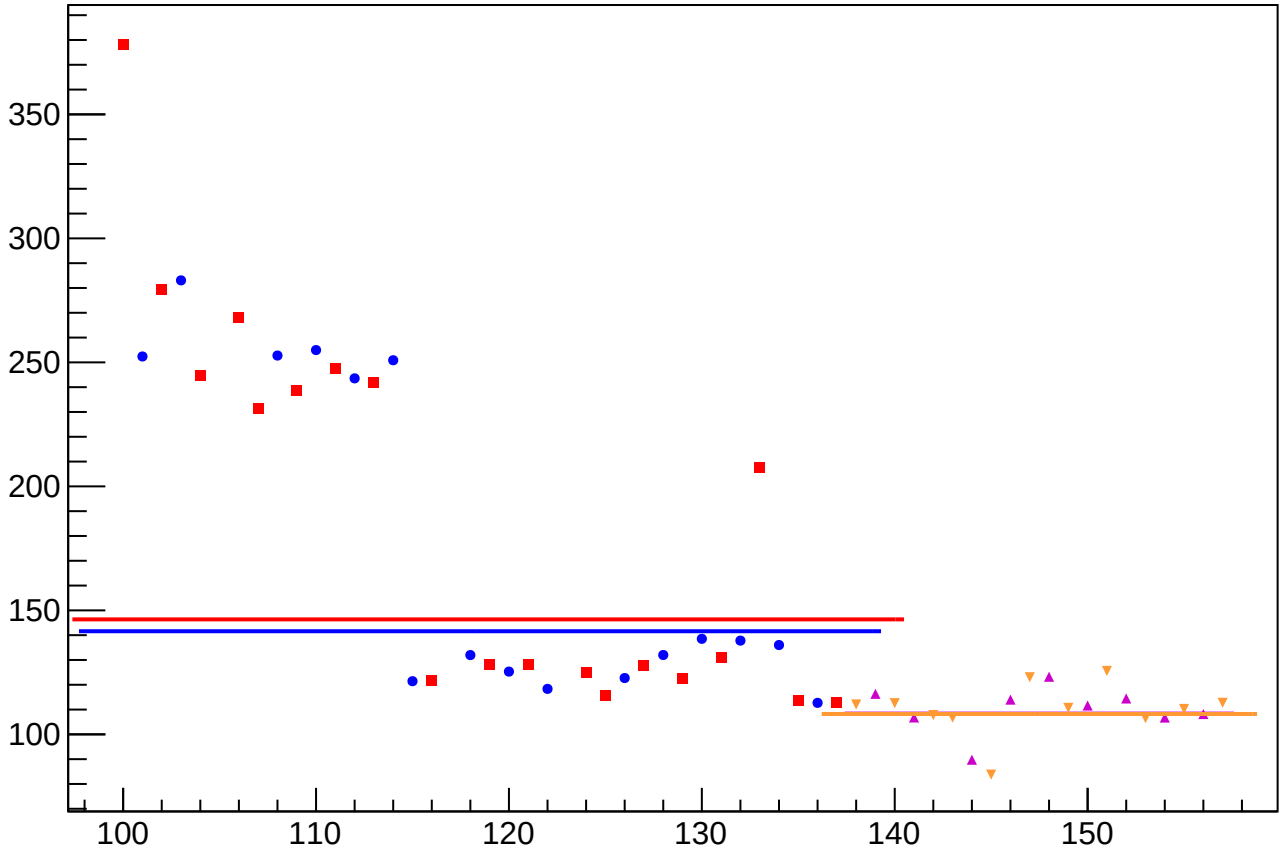
Left In: -65.308+/-39.417 χ^2/NDF:8.7/8

+ sign 111.666+/-30.919 χ^2/NDF: 33.2/26

All: 33.252+/-22.376 χ^2/NDF: 76.3/54

- sign -52.975+/-32.423 χ^2/NDF: 29.5/27

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 108.208+/-0.026 χ^2/NDF:191677.4/10

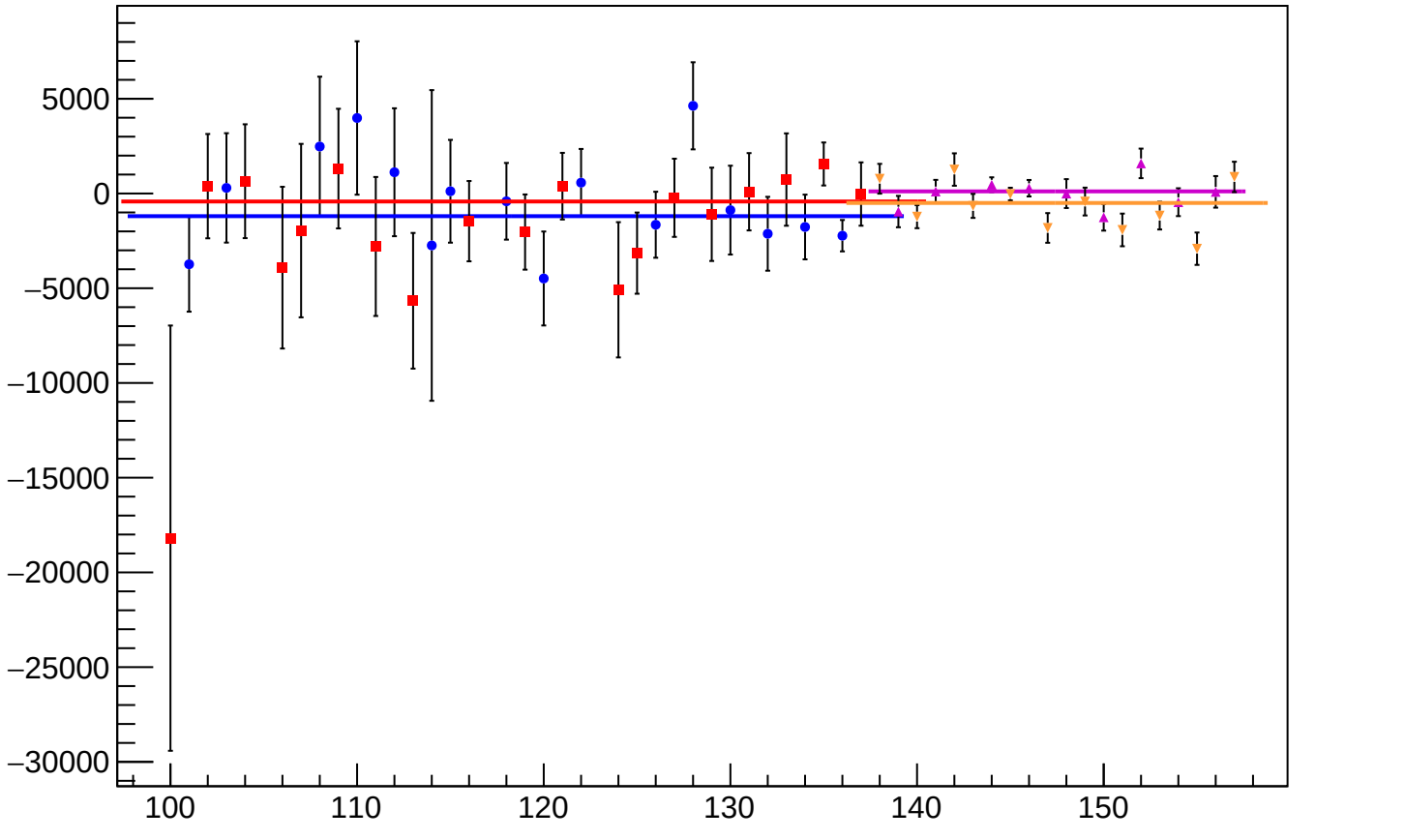
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.374+/-0.028 χ^2/NDF:117518.5/8

+ sign 118.544+/-0.022 χ^2/NDF: 1952271.1/26

All: 119.552+/-0.016 χ^2/NDF: 4188845.6/54

- sign 120.661+/-0.023 χ^2/NDF: 2232107.2/27



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -499.355+/-193.315 χ^2/NDF:27.7/10

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

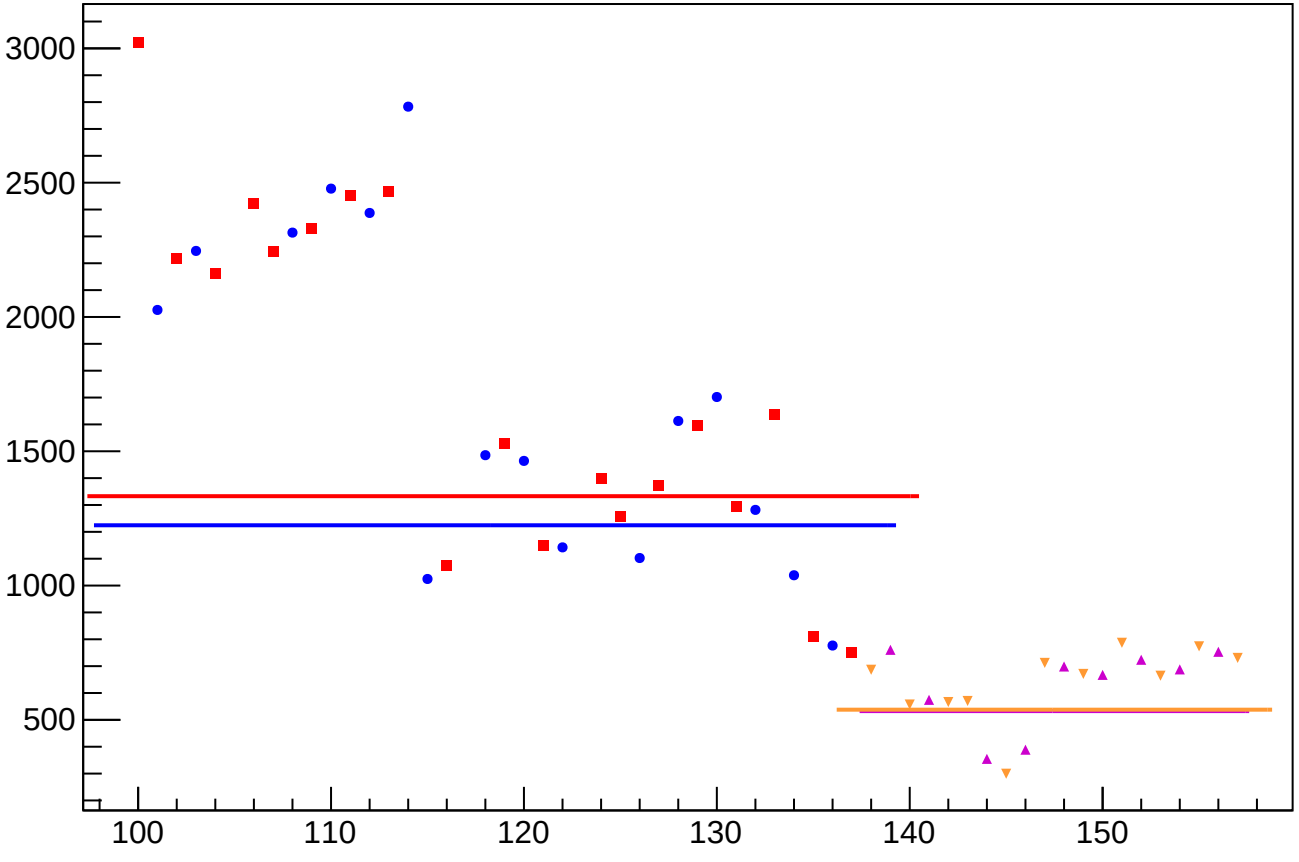
Left In: 111.907+/-201.595 χ^2/NDF:10.6/8

+ sign -592.813+/-179.894 χ^2/NDF: 45.4/26

All: -289.145+/-130.023 χ^2/NDF: 77.1/54

- sign 43.012+/-188.143 χ^2/NDF: 25.8/27

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 537.917+/-0.137 χ^2/NDF:1760184.1/10

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

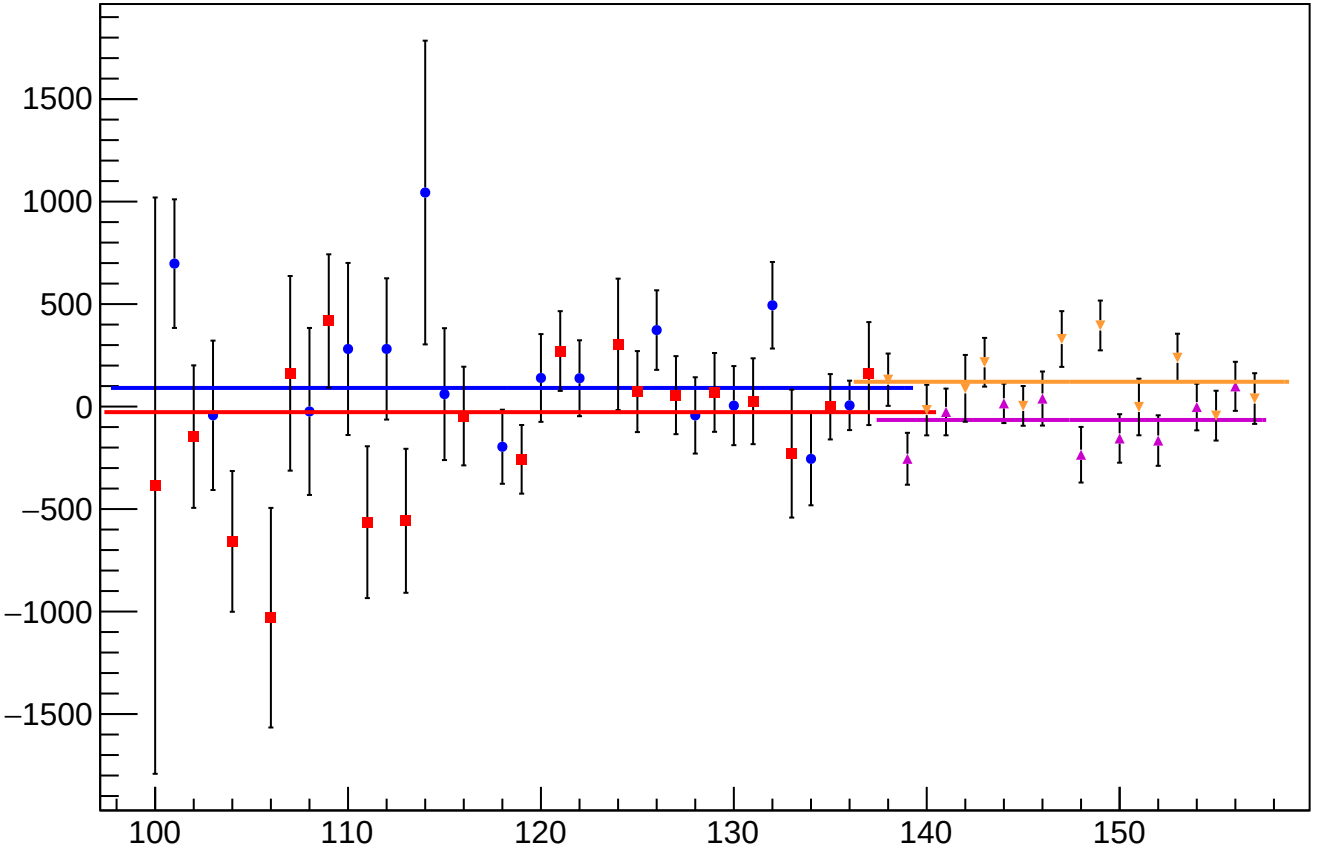
Left In: 532.621+/-0.143 χ^2/NDF:1310850.4/8

+ sign 629.934+/-0.127 χ^2/NDF: 7100511.2/26

All: 632.755+/-0.092 χ^2/NDF: 14471814.0/54

- sign 635.842+/-0.133 χ^2/NDF: 7370272.5/27

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 120.976+/-37.213 χ^2/NDF:15.0/10

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

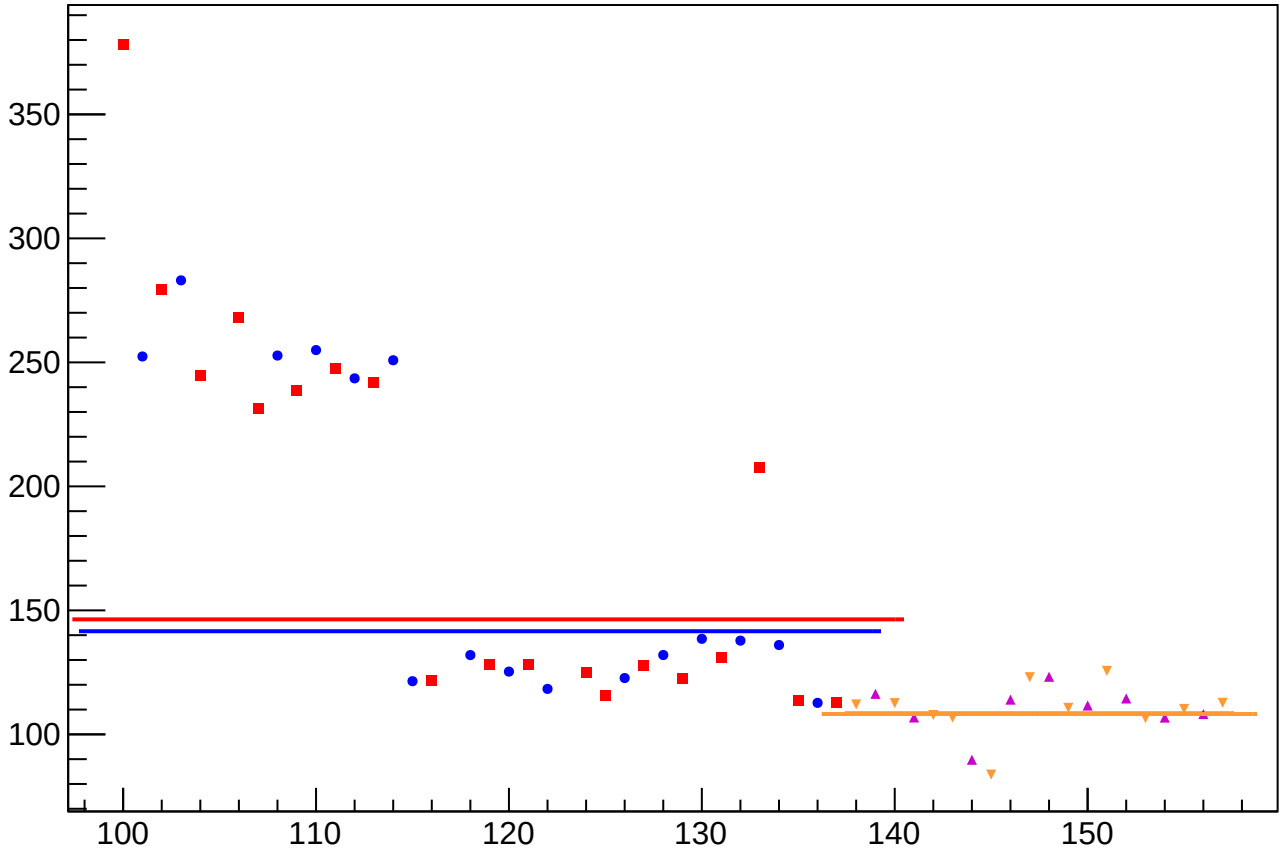
Left In: -65.307+/-39.417 χ^2/NDF:8.7/8

+ sign 111.666+/-30.919 χ^2/NDF: 33.2/26

All: 33.252+/-22.376 χ^2/NDF: 76.3/54

- sign -52.974+/-32.423 χ^2/NDF: 29.5/27

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 108.209+/-0.026 χ^2/NDF:191669.3/10

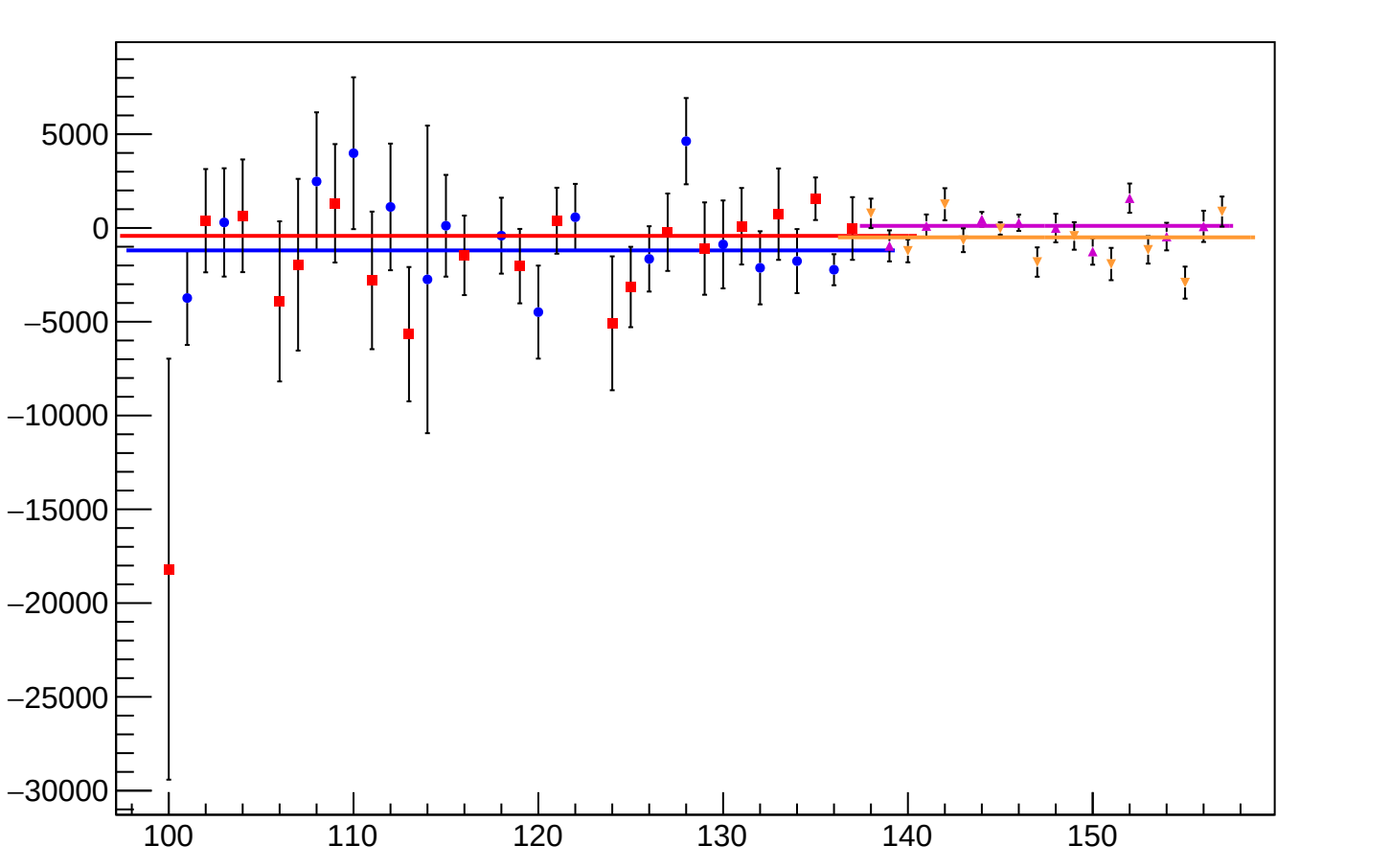
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.374+/-0.028 χ^2/NDF:117515.8/8

+ sign 118.544+/-0.022 χ^2/NDF: 1952216.4/26

All: 119.552+/-0.016 χ^2/NDF: 4188751.5/54

- sign 120.661+/-0.023 χ^2/NDF: 2232067.5/27



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -499.354+/-193.314 χ^2/NDF:27.7/10

Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

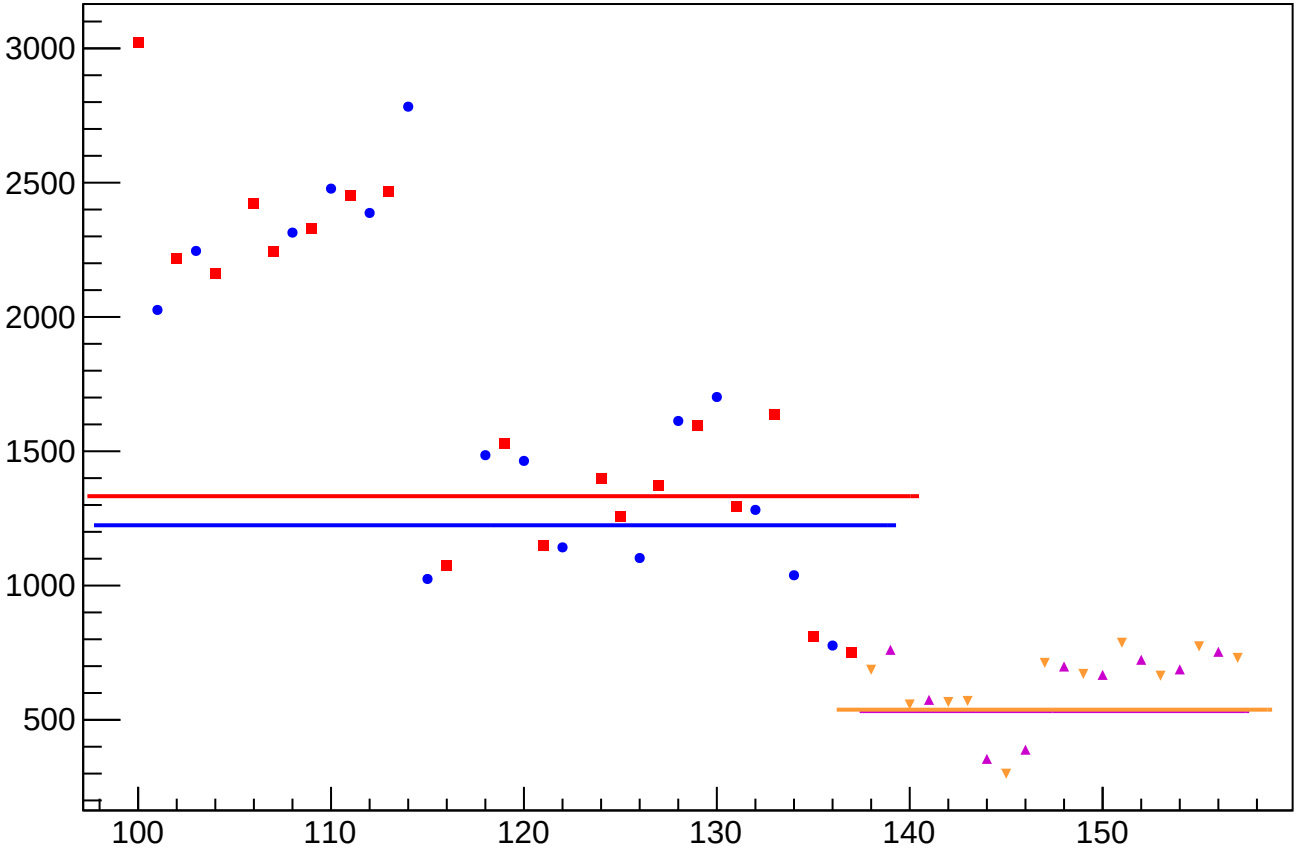
Left In: 111.907+/-201.595 χ^2/NDF:10.6/8

+ sign -592.812+/-179.894 χ^2/NDF: 45.4/26

All: -289.144+/-130.023 χ^2/NDF: 77.1/54

- sign 43.012+/-188.143 χ^2/NDF: 25.8/27

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 537.915+/-0.137 χ^2/NDF:1760229.4/10

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

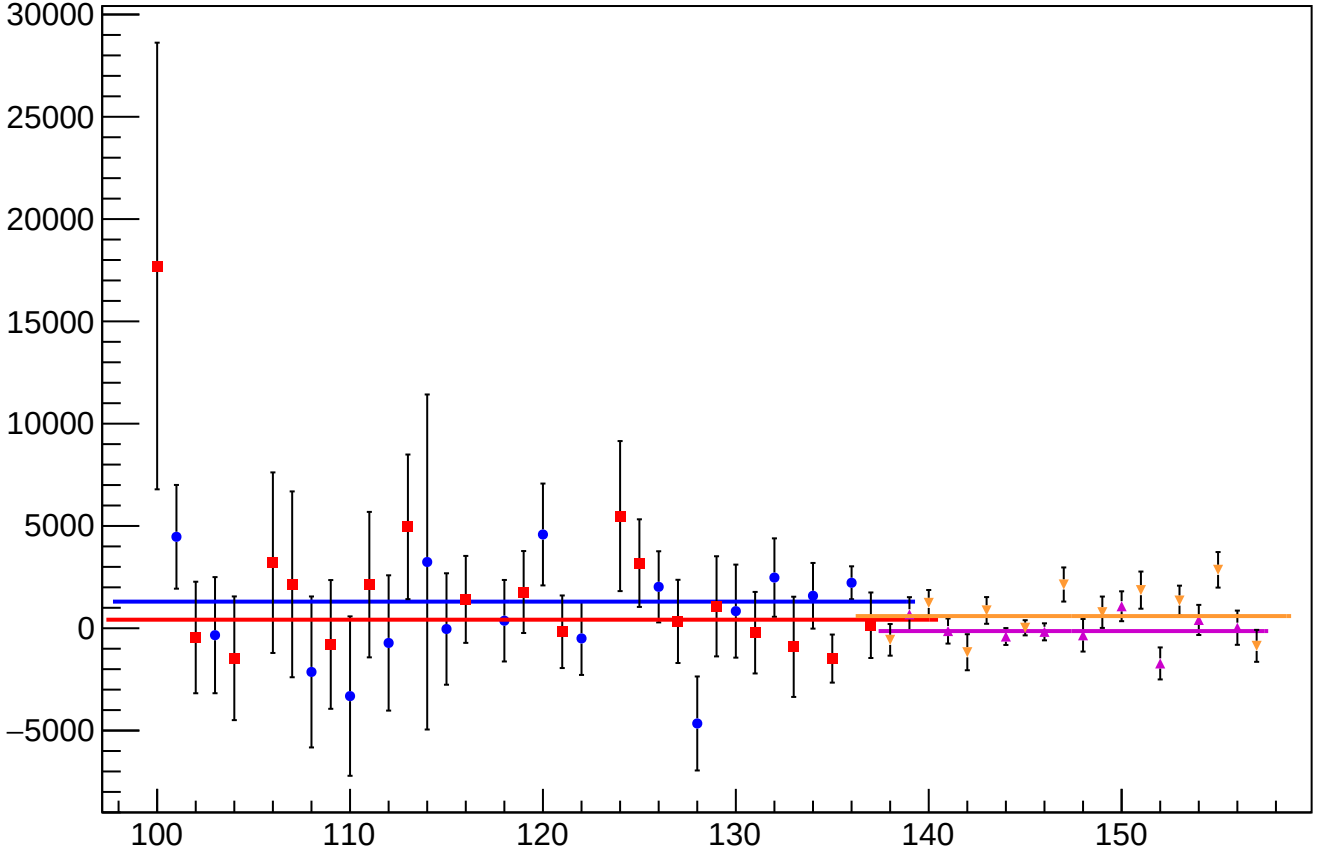
Left In: 532.619+/-0.143 χ^2/NDF:1310867.2/8

+ sign 629.931+/-0.127 χ^2/NDF: 7100561.4/26

All: 632.754+/-0.092 χ^2/NDF: 14471878.4/54

- sign 635.841+/-0.133 χ^2/NDF: 7370286.3/27

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 595.139+/-202.921 χ^2/NDF:26.6/10

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

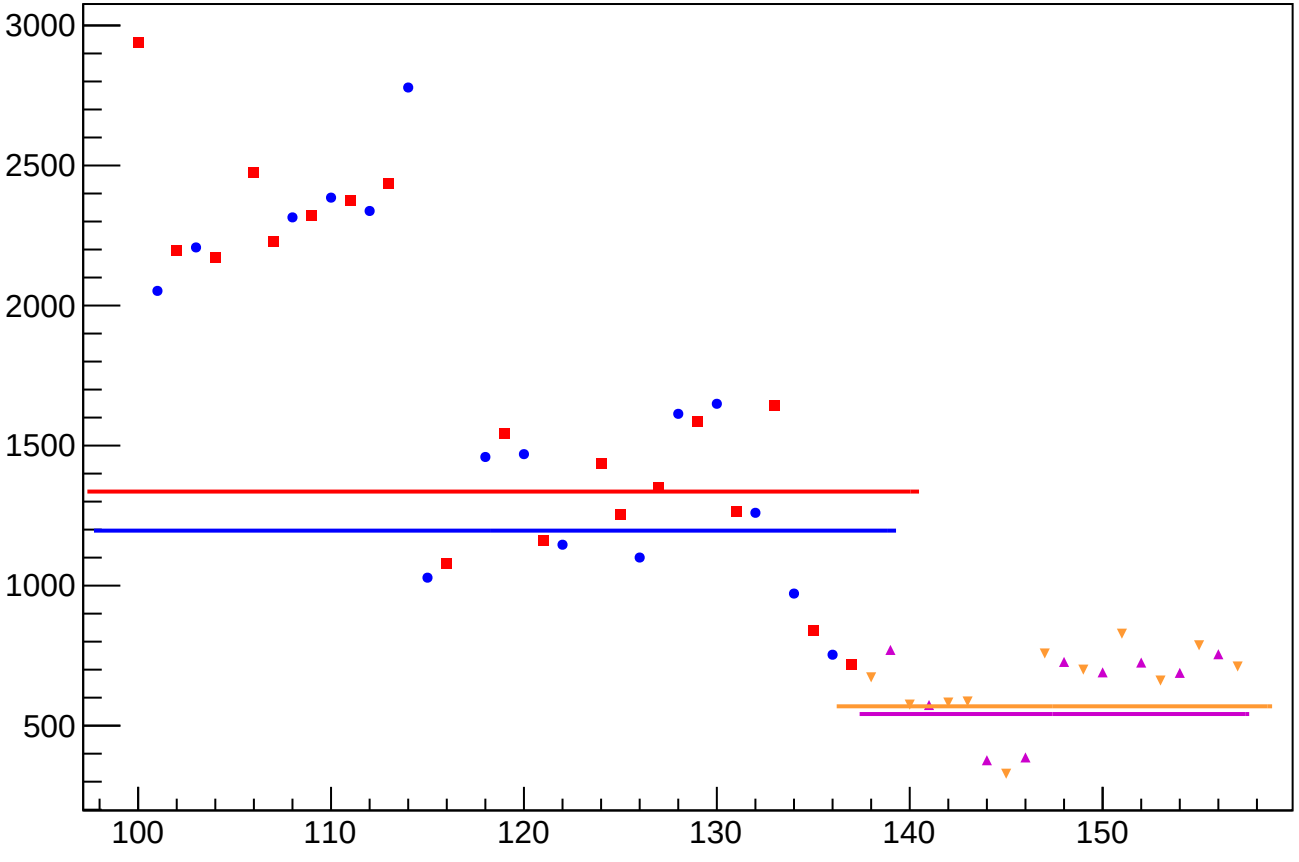
Left In: -137.758+/-203.800 χ^2/NDF:8.9/8

+ sign 701.519+/-187.020 χ^2/NDF: 44.9/26

All: 324.332+/-133.272 χ^2/NDF: 76.1/54

- sign -64.823+/-189.964 χ^2/NDF: 22.9/27

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 569.085+/-0.143 χ^2/NDF:1426671.3/10

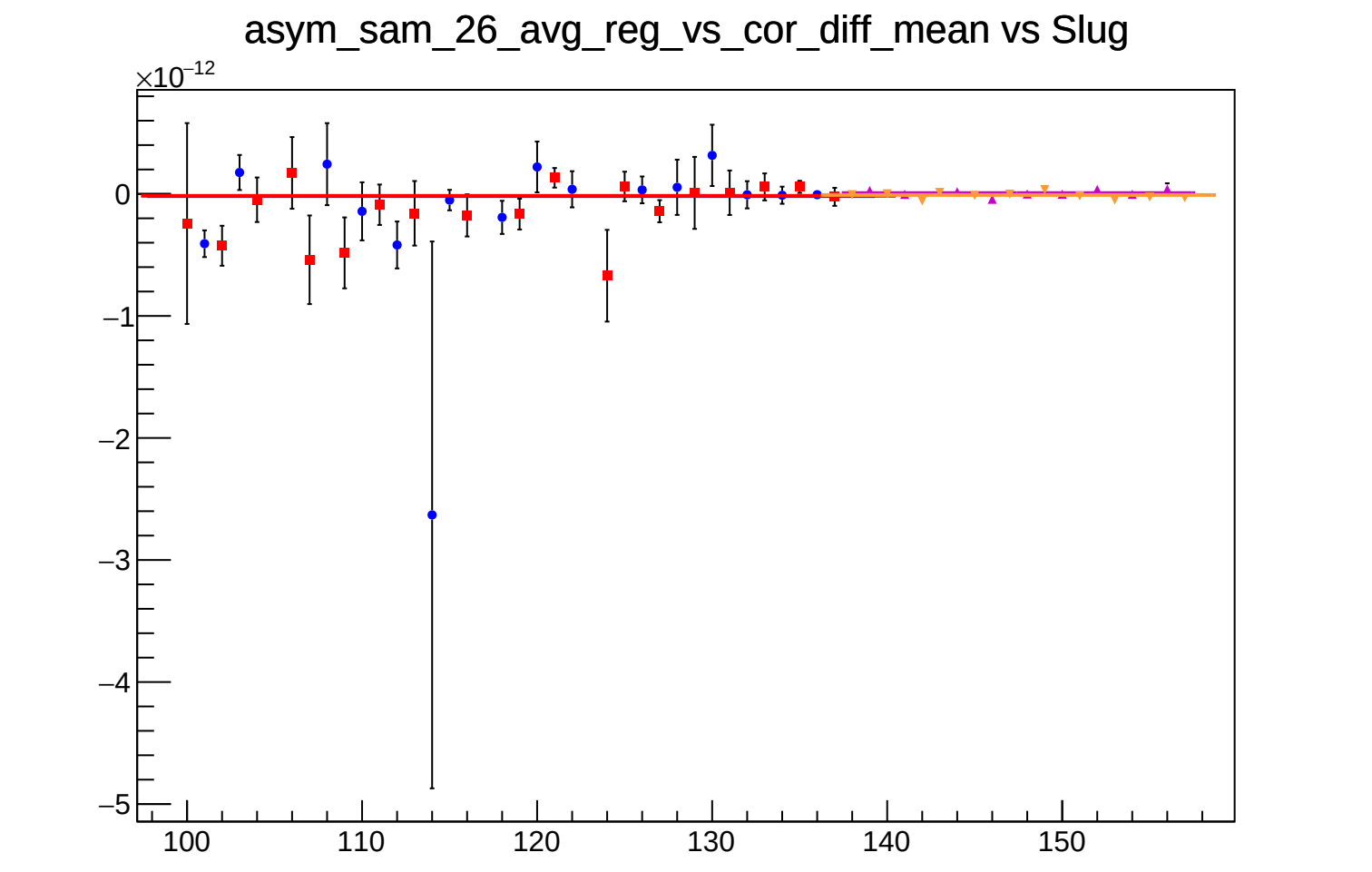
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 541.562+/-0.144 χ^2/NDF:1263480.5/8

+ sign 663.537+/-0.132 χ^2/NDF: 6336050.4/26

All: 654.778+/-0.094 χ^2/NDF: 13544296.0/54

- sign 645.742+/-0.134 χ^2/NDF: 7199333.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/10

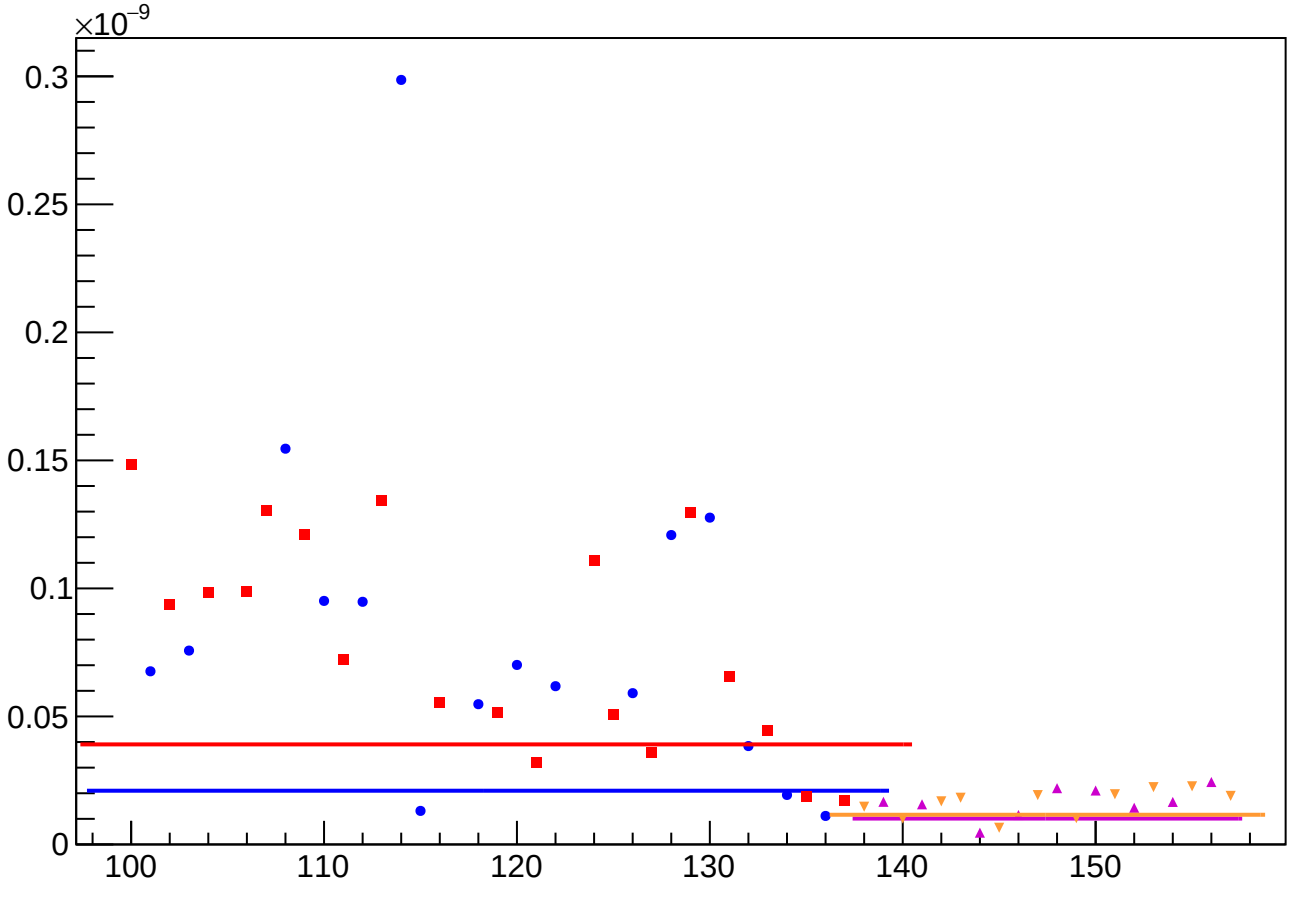
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/26

All: -0.000+/-0.000 χ^2/NDF: 75.8/54

- sign 0.000+/-0.000 χ^2/NDF: 37.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1305458.9/10

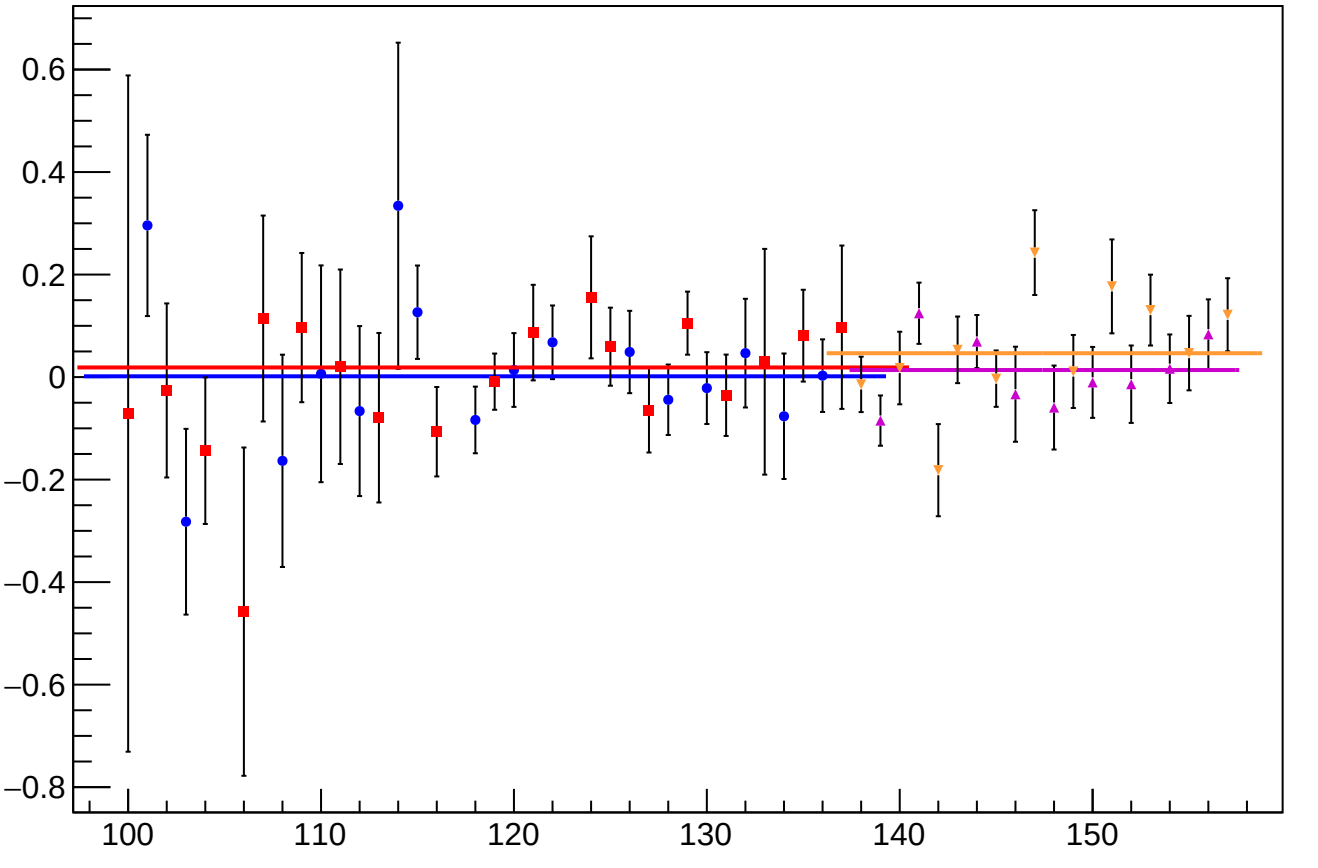
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1650578.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 5170695.6/26

All: 0.000+/-0.000 χ^2/NDF: 10998920.8/54

- sign 0.000+/-0.000 χ^2/NDF: 5803666.4/27



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

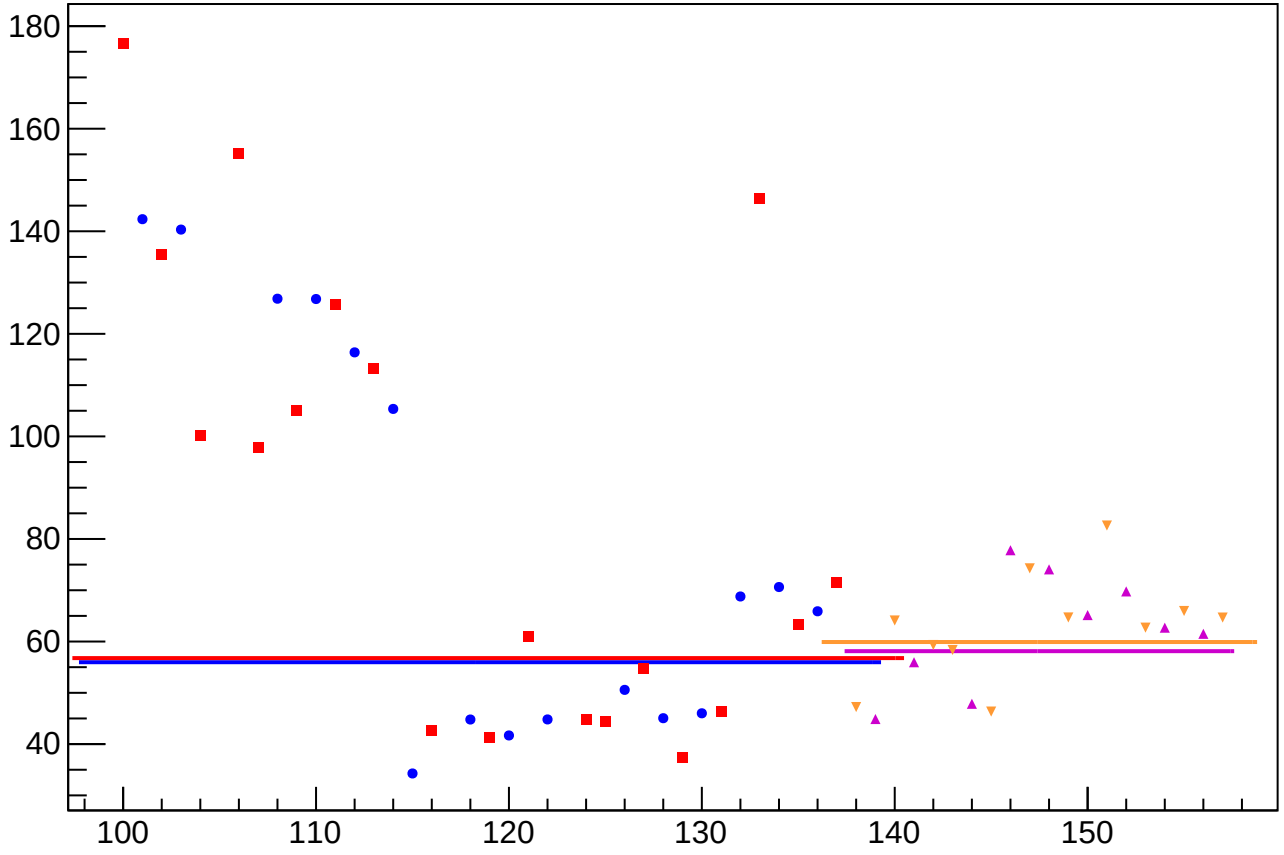
Left In: 0.014+/-0.022 χ^2/NDF:11.0/8

+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.021+/-0.011 χ^2/NDF: 58.7/54

- sign 0.016+/-0.016 χ^2/NDF: 24.1/27

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

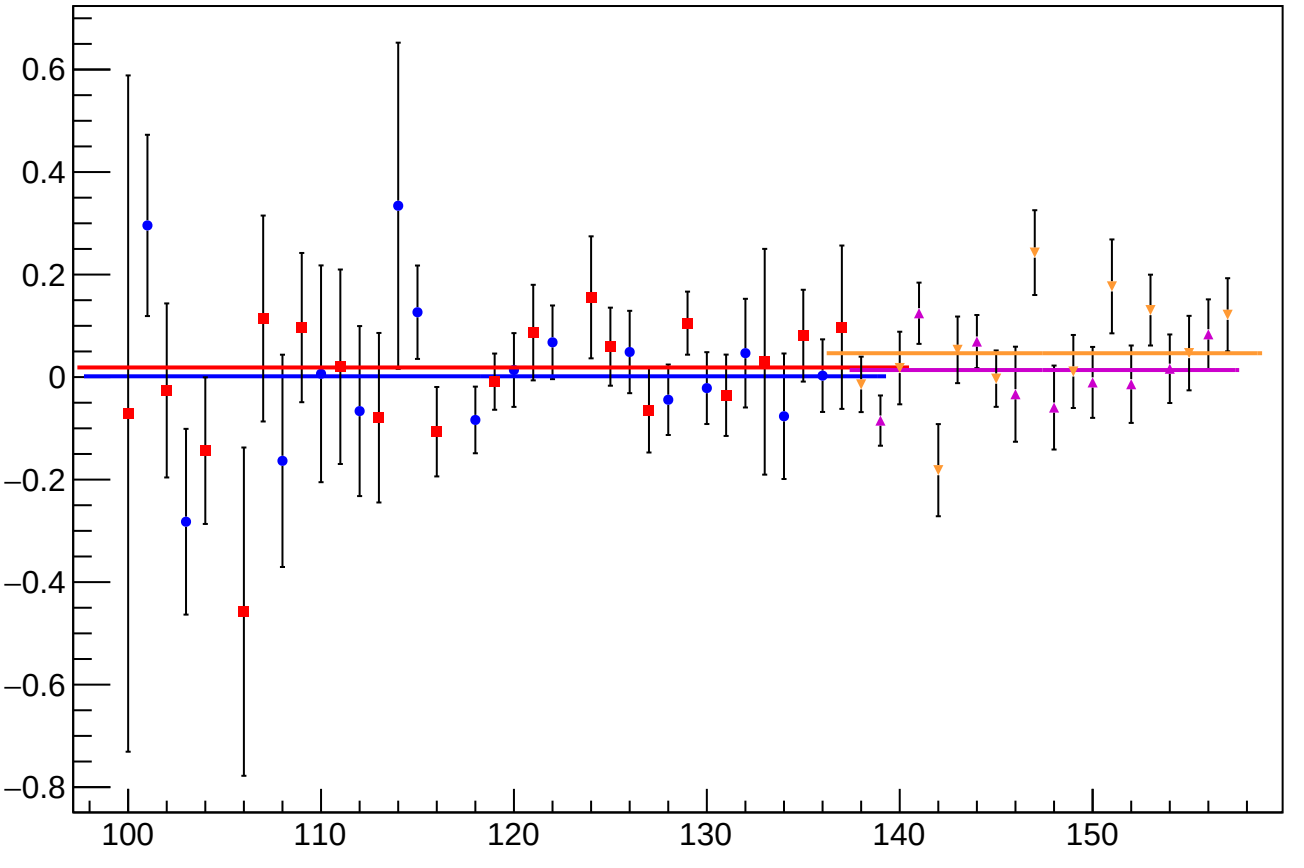
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 58.122+/-0.015 χ^2/NDF:475296.9/8

+ sign 58.161+/-0.011 χ^2/NDF: 2669607.3/26

All: 57.839+/-0.008 χ^2/NDF: 5703454.9/54

- sign 57.506+/-0.011 χ^2/NDF: 3032117.0/27



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

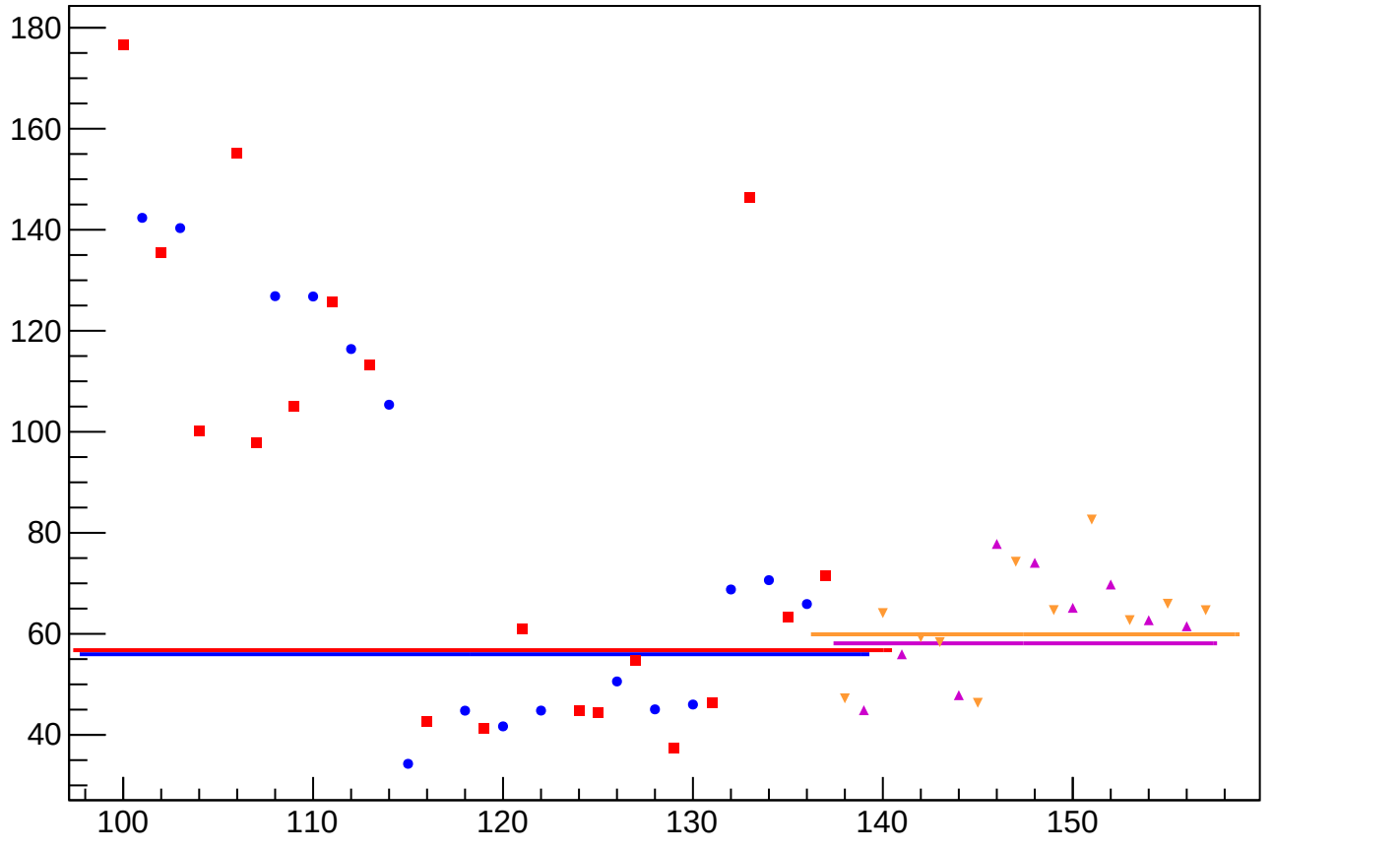
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.014+/-0.022 χ^2/NDF:11.0/8

\+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.021+/-0.011 χ^2/NDF: 58.7/54

\- sign 0.016+/-0.016 χ^2/NDF: 24.1/27



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.906+/-0.015 χ^2/NDF:458293.6/10

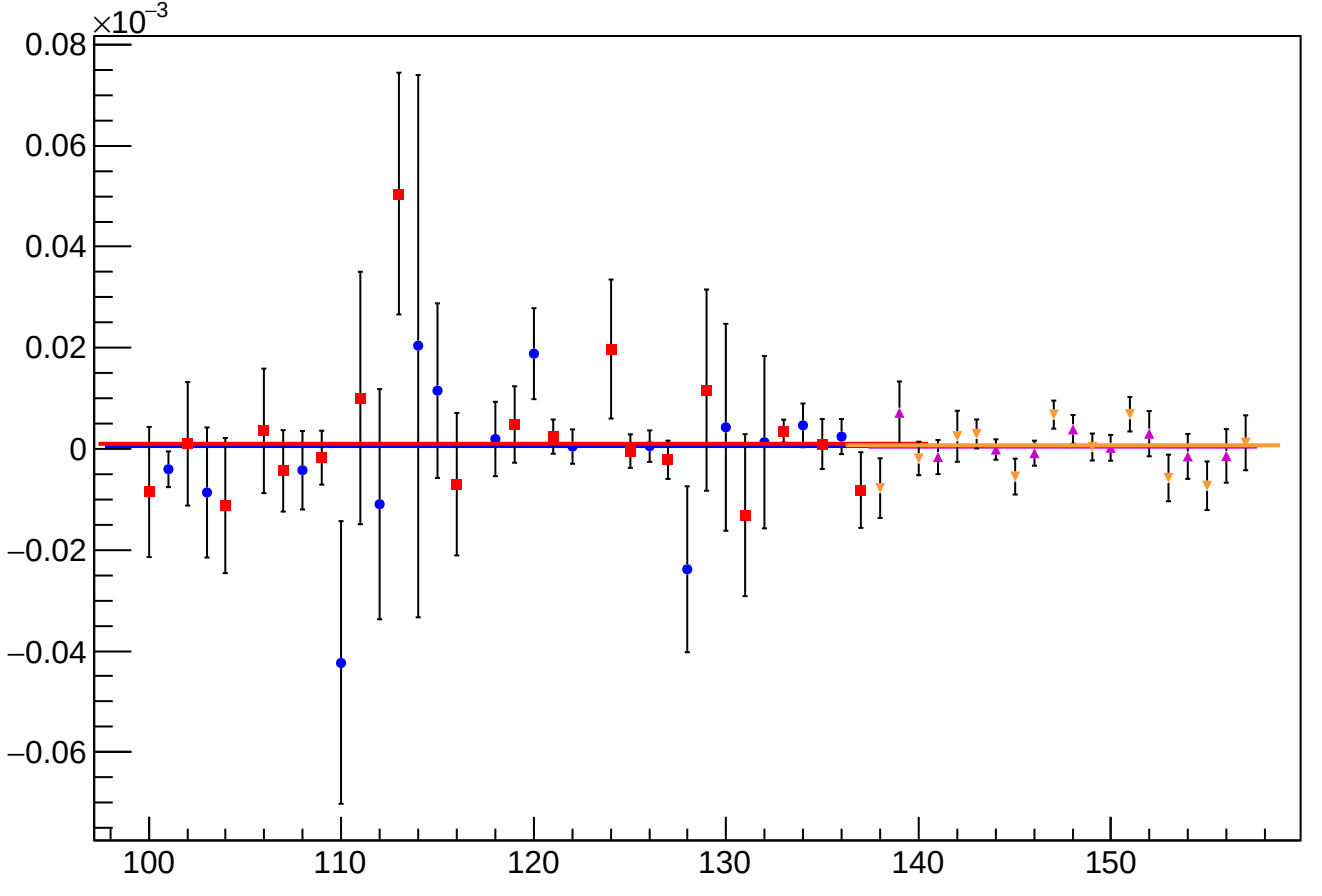
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 58.122+/-0.015 χ^2/NDF:475296.9/8

+ sign 58.161+/-0.011 χ^2/NDF: 2669607.3/26

All: 57.839+/-0.008 χ^2/NDF: 5703454.9/54

- sign 57.506+/-0.011 χ^2/NDF: 3032117.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

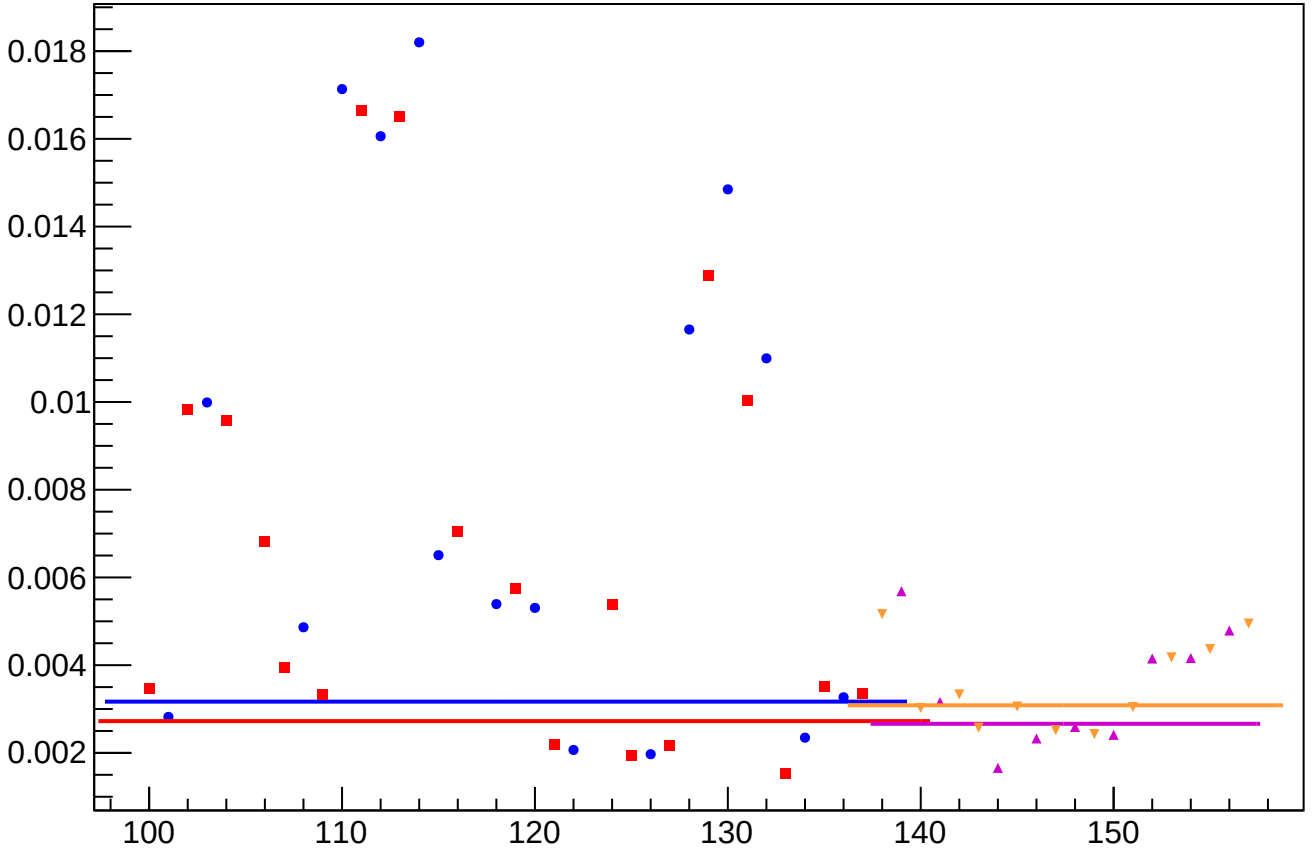
Left In: 0.000+/-0.000 χ^2/NDF:4.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/26

All: 0.000+/-0.000 χ^2/NDF: 50.5/54

- sign 0.000+/-0.000 χ^2/NDF: 17.9/27

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1015514.8/10

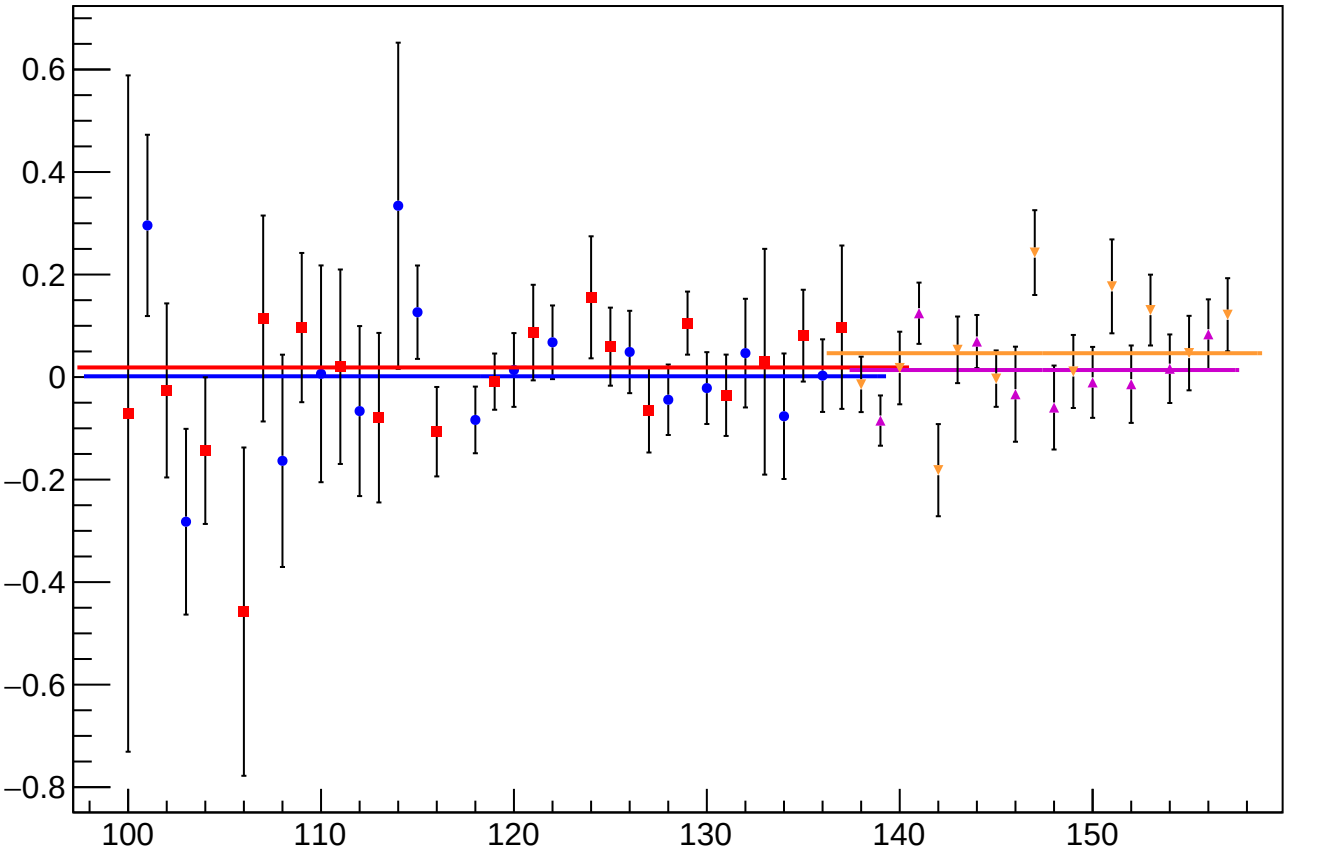
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:1849381.9/8

+ sign 0.003+/-0.000 χ^2/NDF: 5565400.9/26

All: 0.003+/-0.000 χ^2/NDF: 12831761.7/54

- sign 0.003+/-0.000 χ^2/NDF: 7005388.1/27



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.047+/-0.021 χ^2/NDF:19.2/10

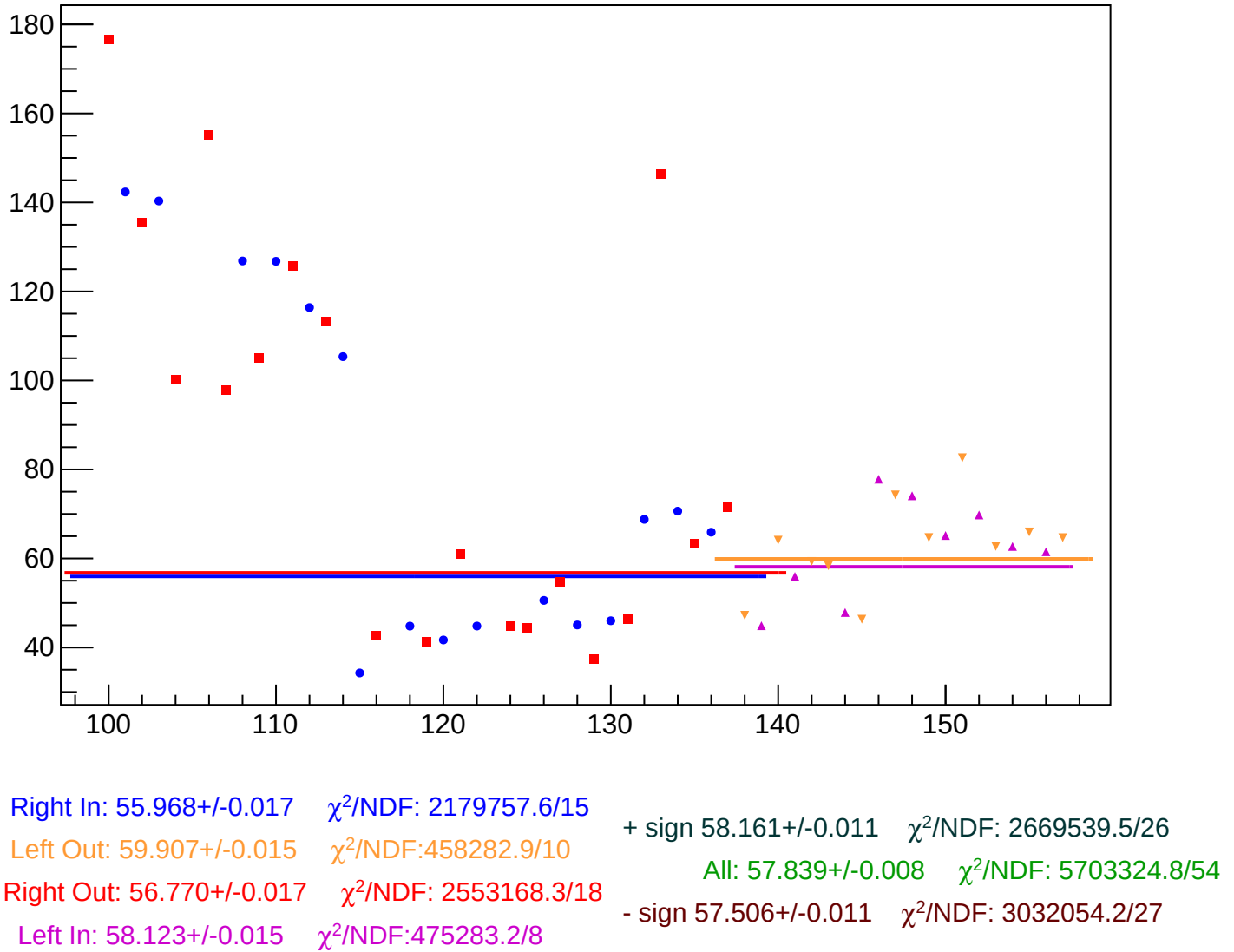
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

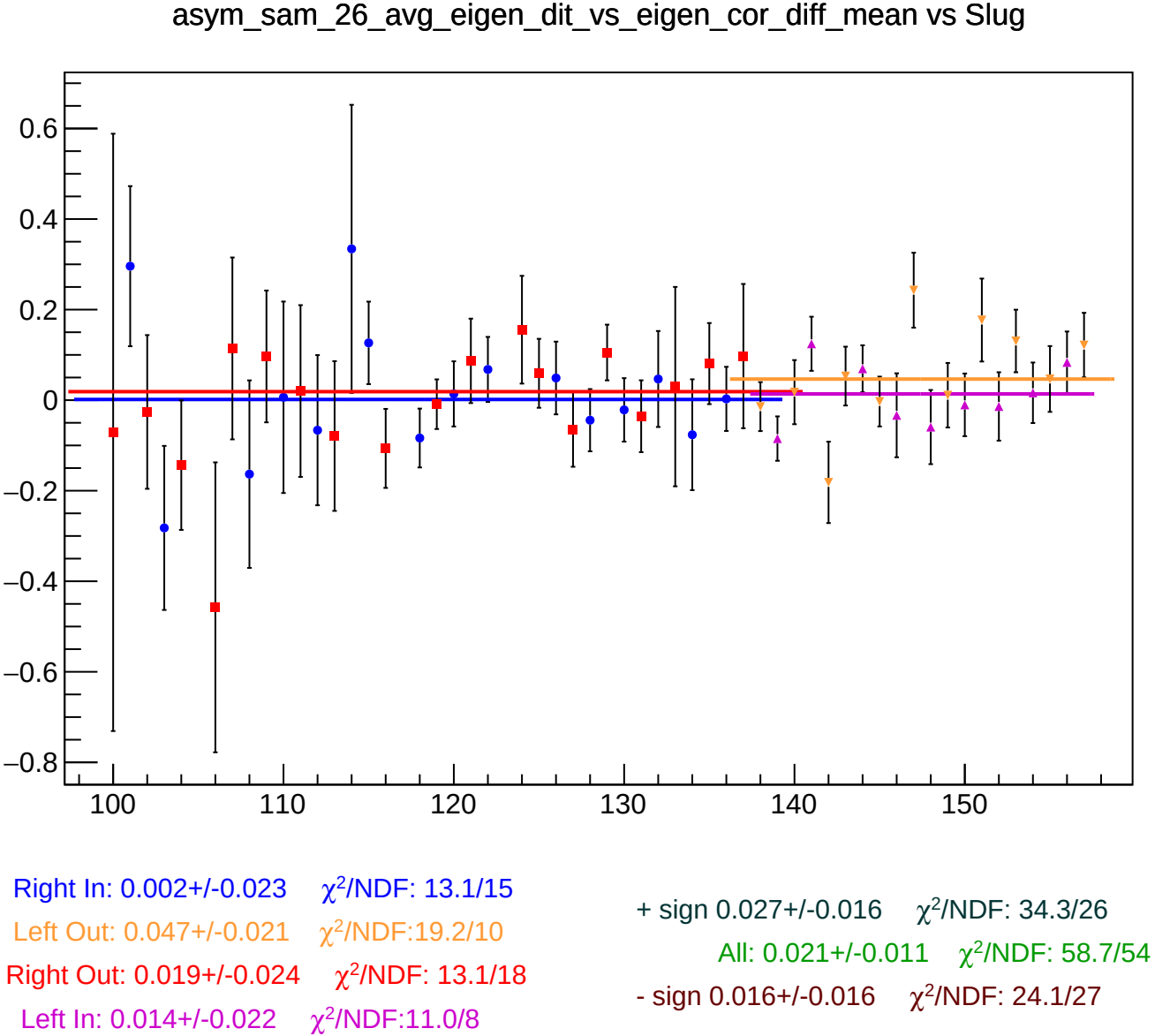
Left In: 0.014+/-0.022 χ^2/NDF:11.0/8

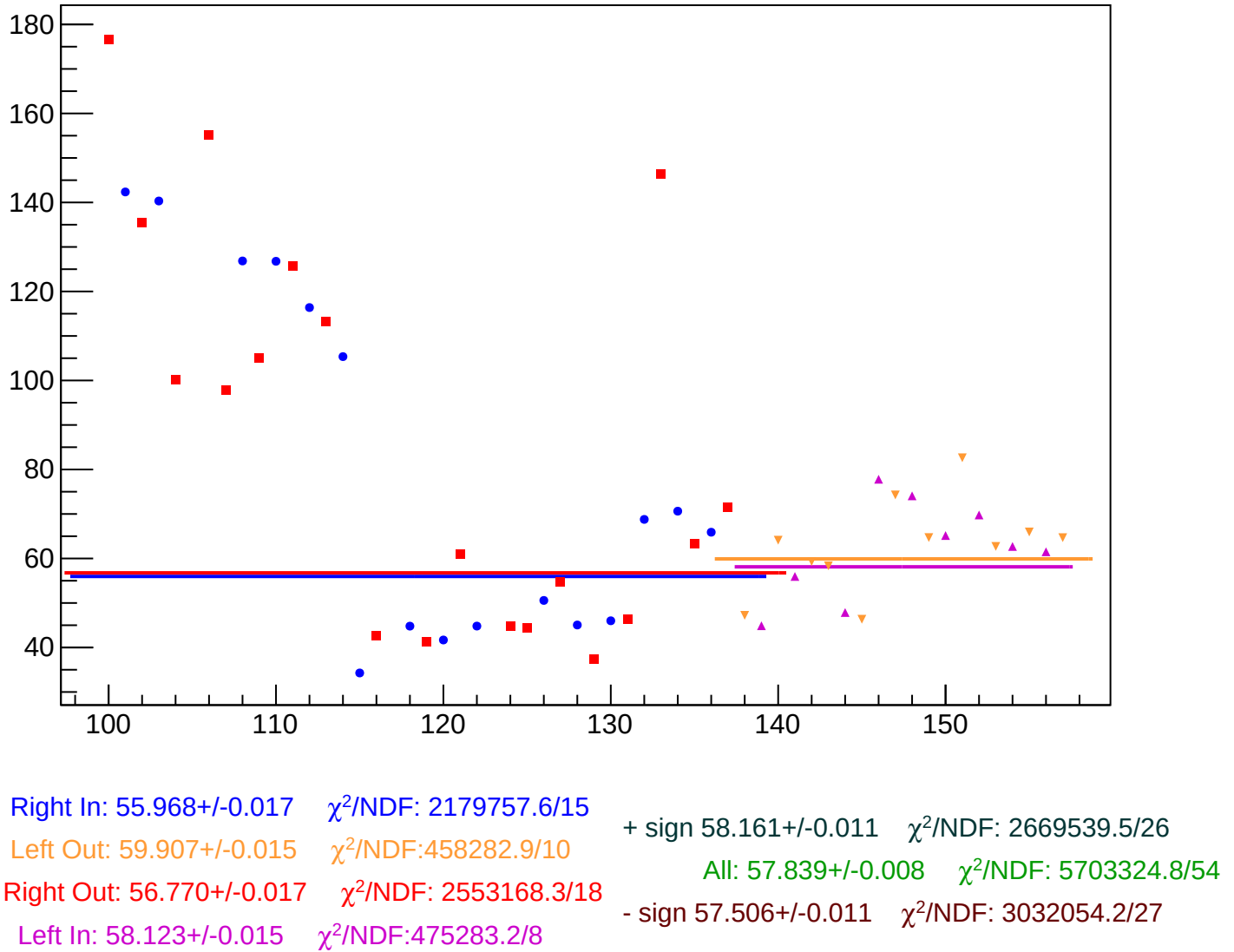
+ sign 0.027+/-0.016 χ^2/NDF: 34.3/26

All: 0.021+/-0.011 χ^2/NDF: 58.7/54

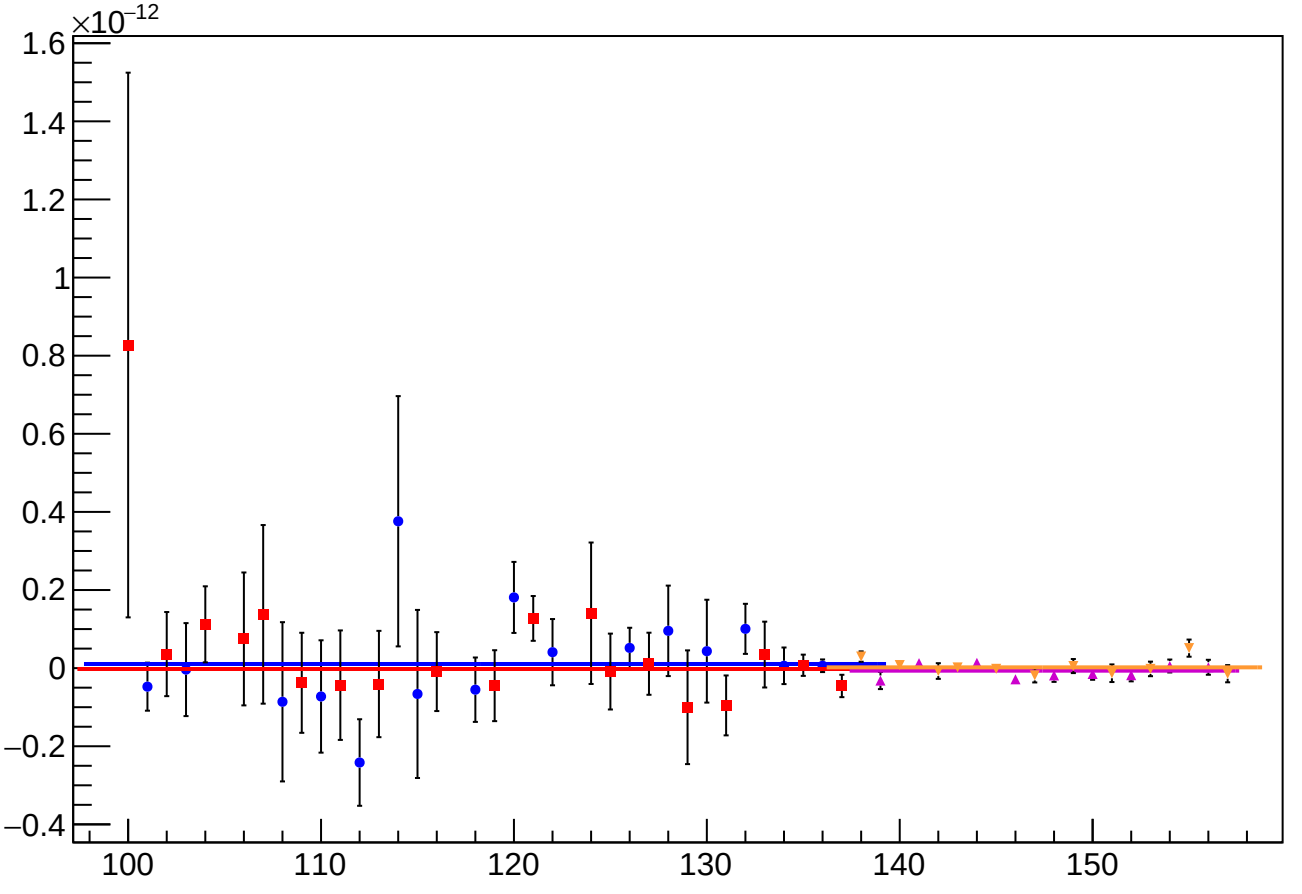
- sign 0.016+/-0.016 χ^2/NDF: 24.1/27


asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 59.907+/-0.015 χ²/NDF:458282.9/10
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 58.123+/-0.015 χ²/NDF:475283.2/8
+ sign 58.161+/-0.011 χ²/NDF: 2669539.5/26
All: 57.839+/-0.008 χ²/NDF: 5703324.8/54
- sign 57.506+/-0.011 χ²/NDF: 3032054.2/27


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.047+/-0.021 χ²/NDF:19.2/10
Right Out: 0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.014+/-0.022 χ²/NDF:11.0/8
+ sign 0.027+/-0.016 χ²/NDF: 34.3/26
All: 0.021+/-0.011 χ²/NDF: 58.7/54
- sign 0.016+/-0.016 χ²/NDF: 24.1/27


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 59.907+/-0.015 χ²/NDF:458282.9/10
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 58.123+/-0.015 χ²/NDF:475283.2/8
+ sign 58.161+/-0.011 χ²/NDF: 2669539.5/26
All: 57.839+/-0.008 χ²/NDF: 5703324.8/54
- sign 57.506+/-0.011 χ²/NDF: 3032054.2/27

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/10

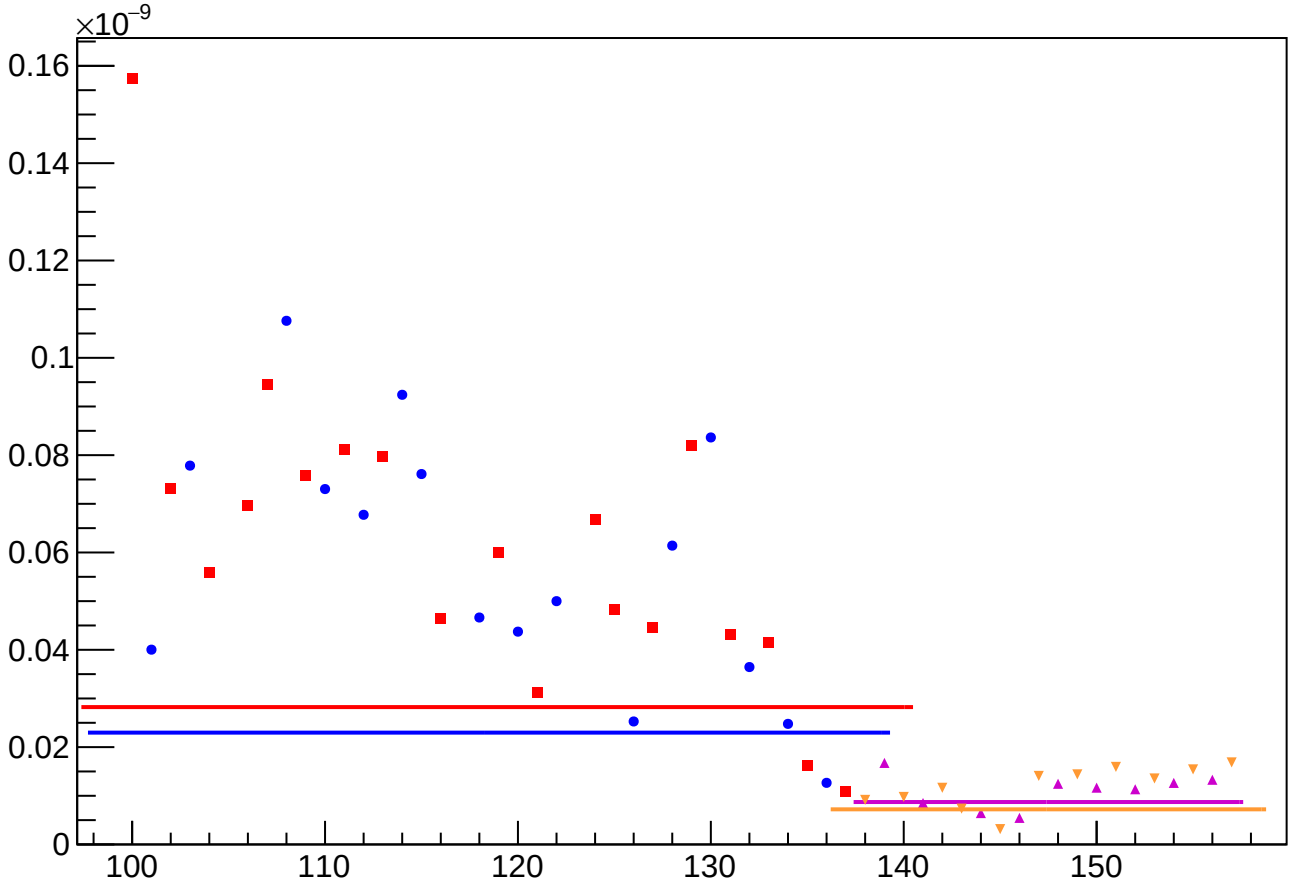
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: -0.000+/-0.000 χ^2/NDF: 65.0/54

- sign -0.000+/-0.000 χ^2/NDF: 33.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3305998.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

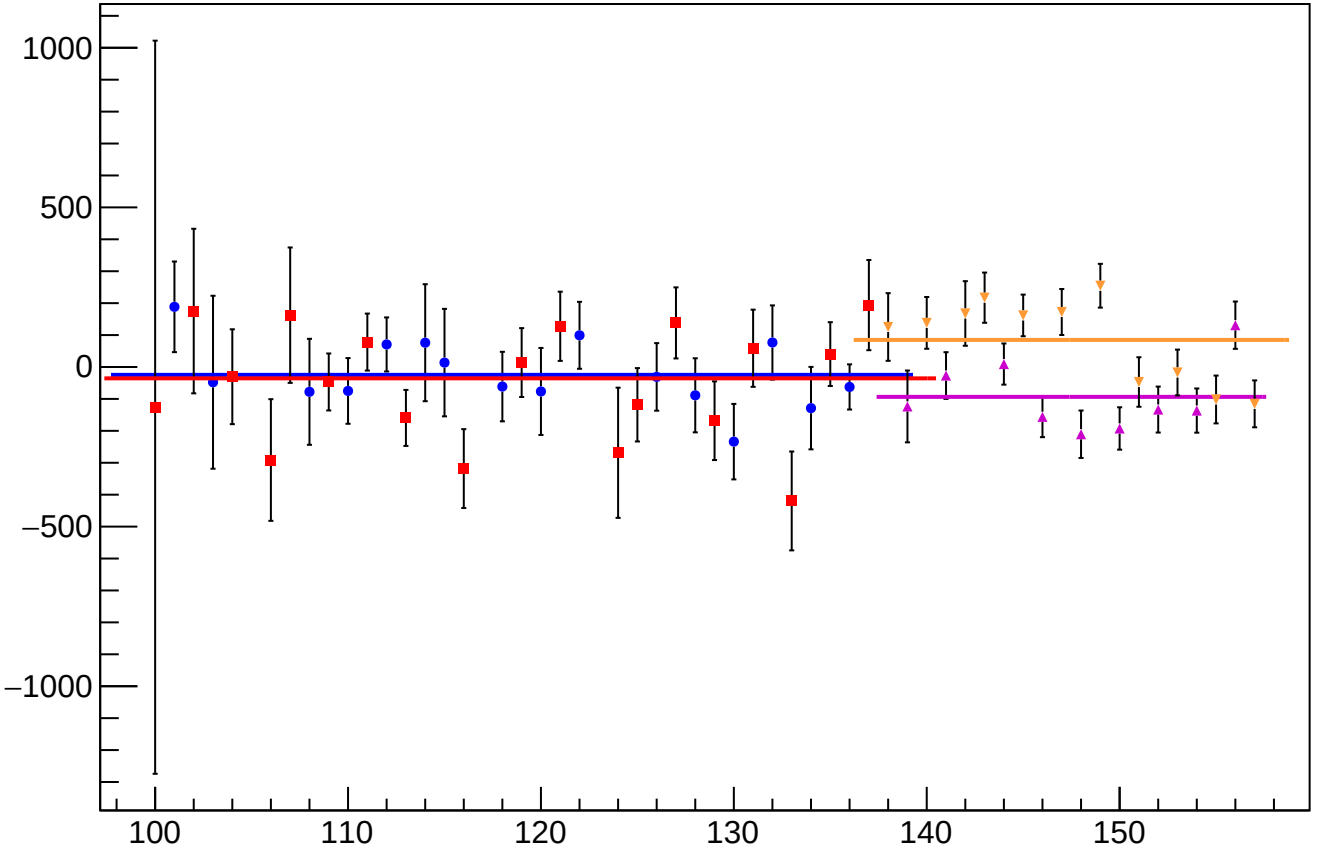
Left In: 0.000+/-0.000 χ^2/NDF:1184429.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 9786368.8/26

All: 0.000+/-0.000 χ^2/NDF: 17950641.8/54

- sign 0.000+/-0.000 χ^2/NDF: 7957388.4/27

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.865+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

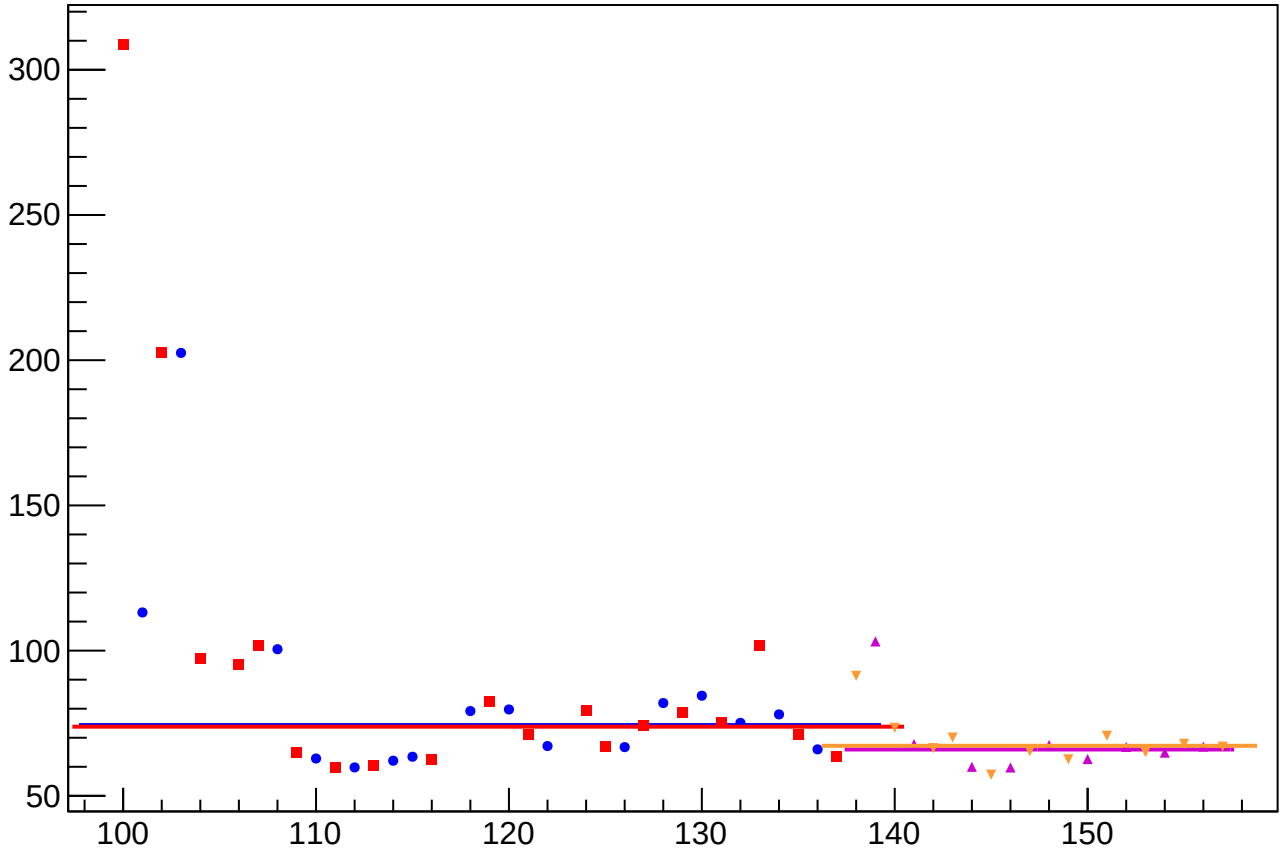
Left In: -93.560+/-23.939 χ^2/NDF:19.0/8

+ sign 42.076+/-18.074 χ^2/NDF: 51.4/26

All: -12.976+/-12.866 χ^2/NDF: 121.7/54

- sign -69.531+/-18.319 χ^2/NDF: 51.5/27

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

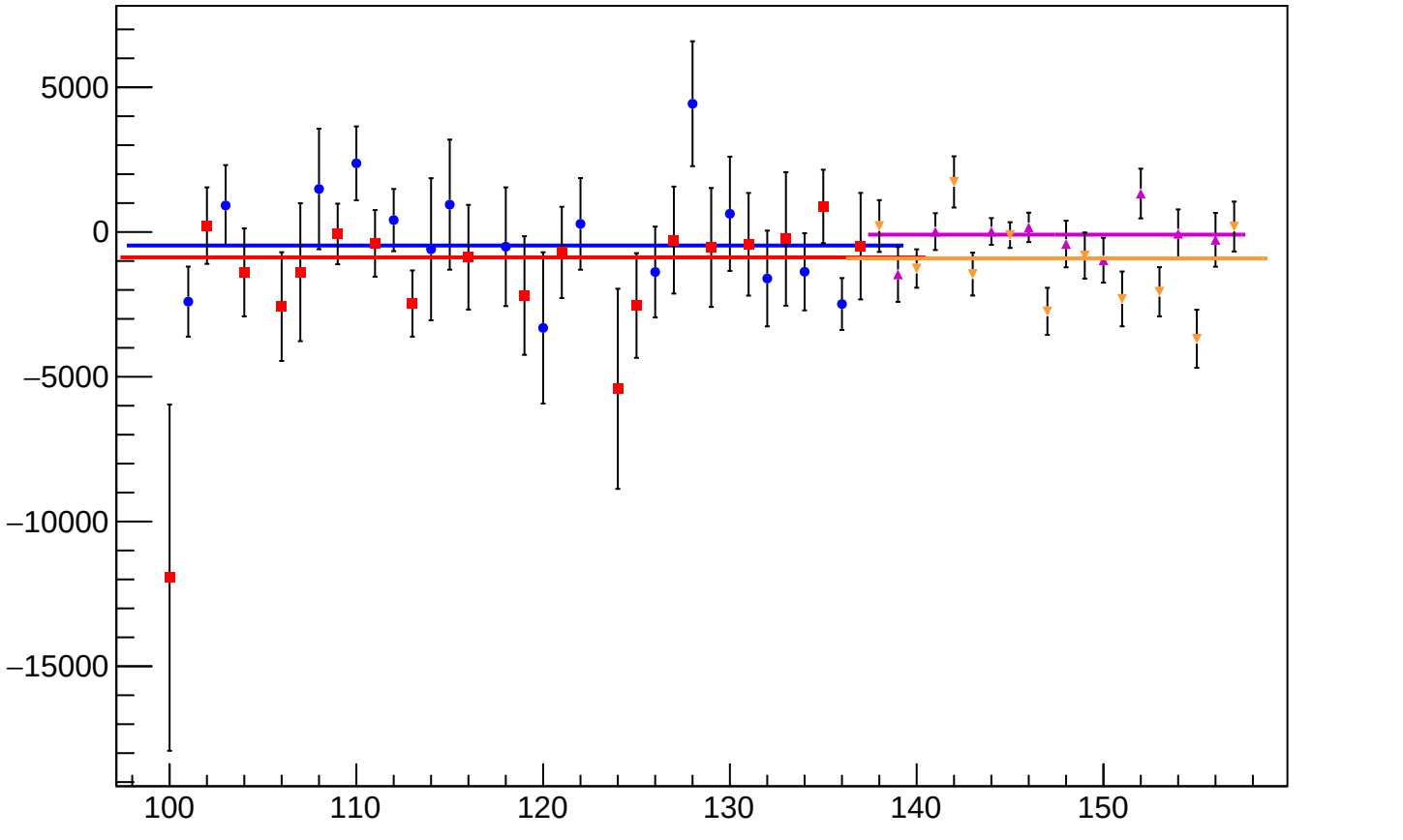
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.957+/-0.017 χ^2/NDF:262838.9/8

+ sign 70.019+/-0.013 χ^2/NDF: 1082814.9/26

All: 69.622+/-0.009 χ^2/NDF: 2368862.0/54

- sign 69.214+/-0.013 χ^2/NDF: 1284089.1/27



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -909.274+/-225.763 χ^2/NDF:32.9/10

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

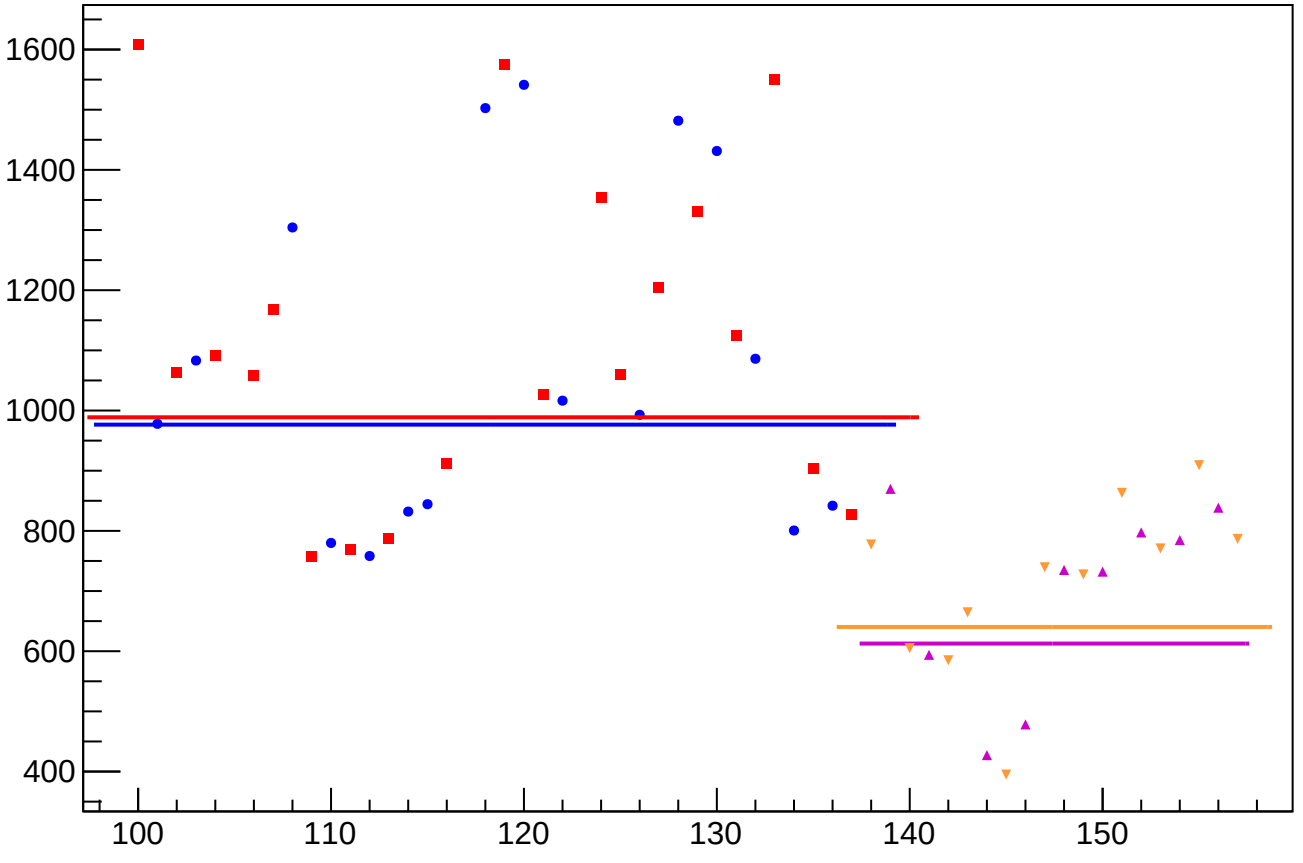
Left In: -90.261+/-227.771 χ^2/NDF:6.7/8

+ sign -791.505+/-193.421 χ^2/NDF: 57.7/26

All: -548.906+/-137.074 χ^2/NDF: 83.8/54

- sign -304.134+/-194.285 χ^2/NDF: 23.0/27

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 640.298+/-0.160 χ^2/NDF:1086392.8/10

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

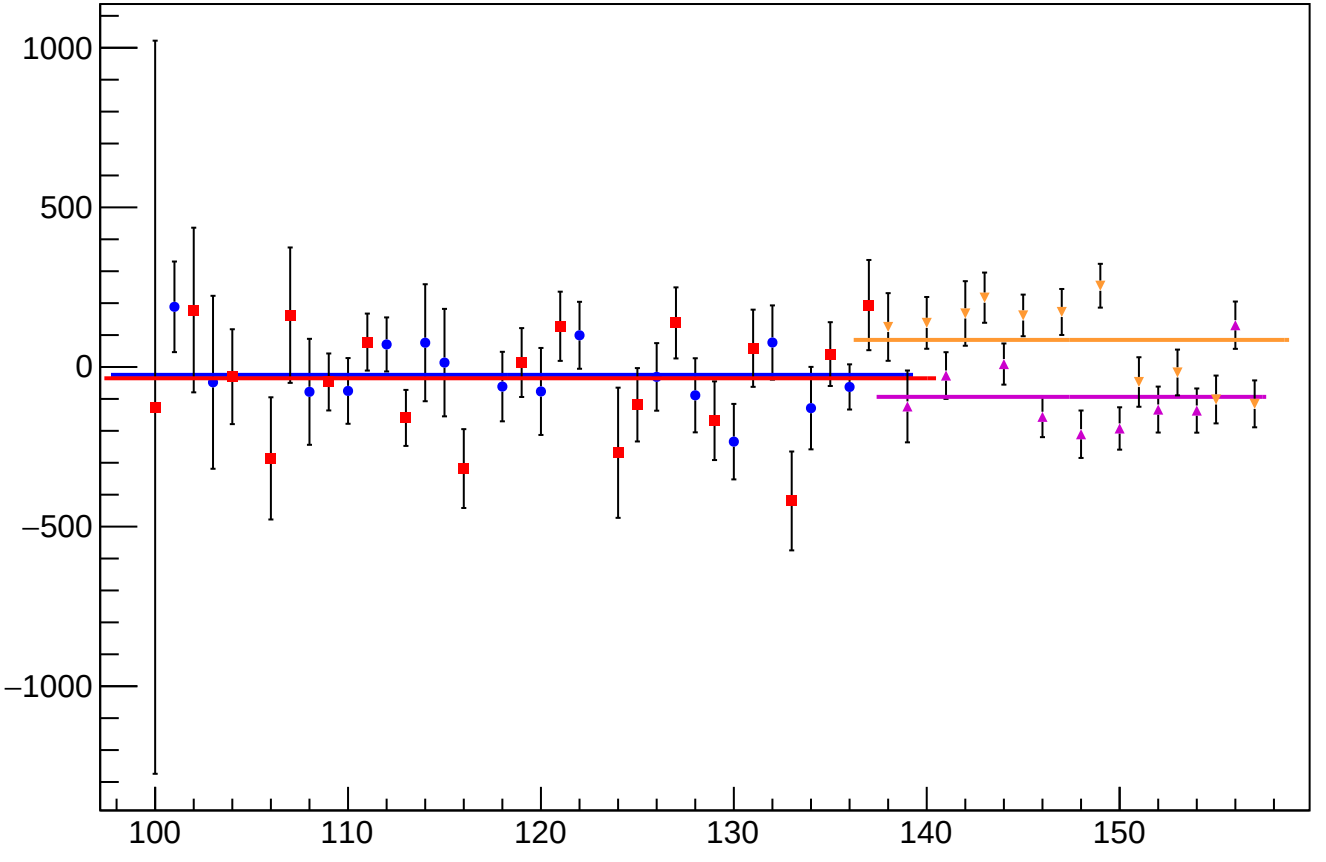
Left In: 612.707+/-0.161 χ^2/NDF:998249.0/8

+ sign 729.748+/-0.137 χ^2/NDF: 3003351.3/26

All: 722.482+/-0.097 χ^2/NDF: 6208135.8/54

- sign 715.152+/-0.137 χ^2/NDF: 3199115.3/27

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

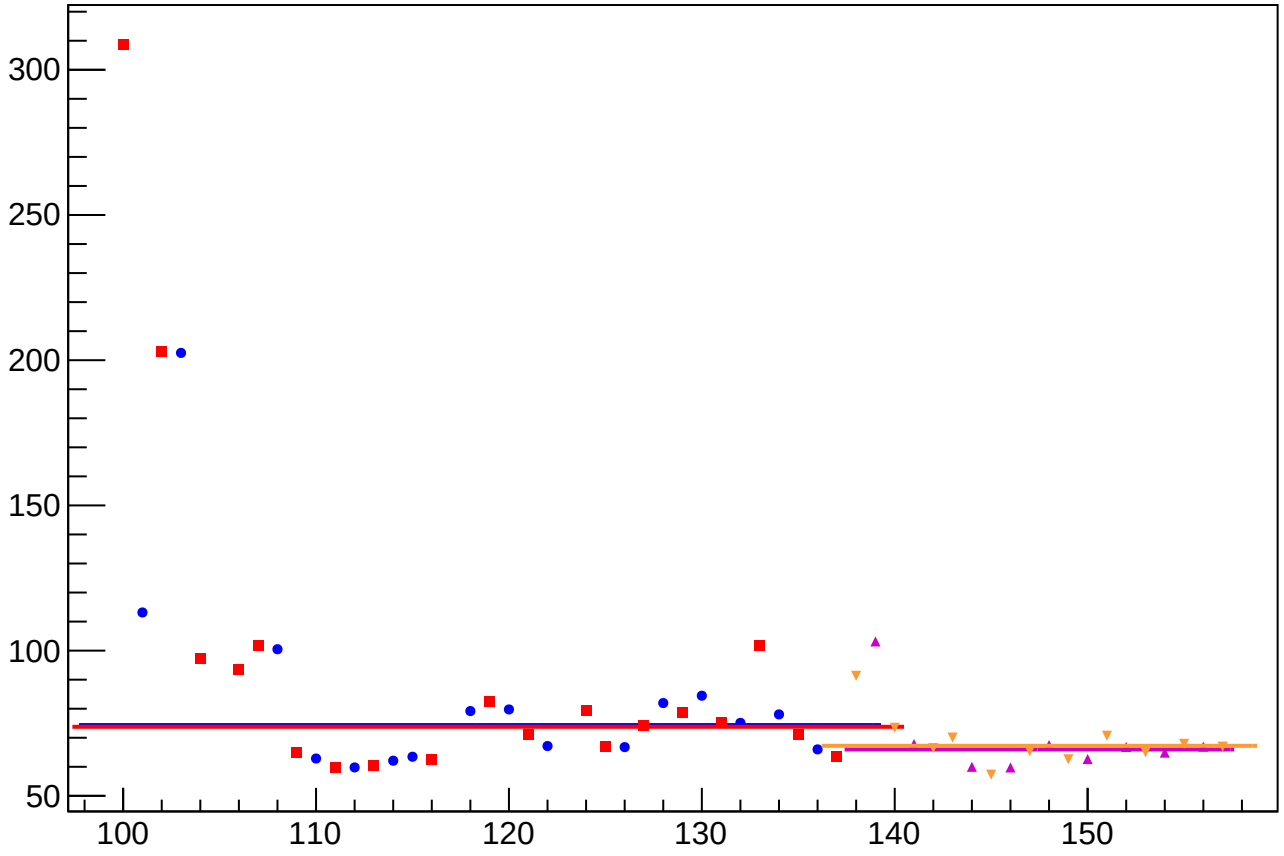
Left In: -93.561+/-23.939 χ^2/NDF:19.0/8

+ sign 42.075+/-18.074 χ^2/NDF: 51.4/26

All: -12.935+/-12.866 χ^2/NDF: 121.6/54

- sign -69.451+/-18.319 χ^2/NDF: 51.5/27

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

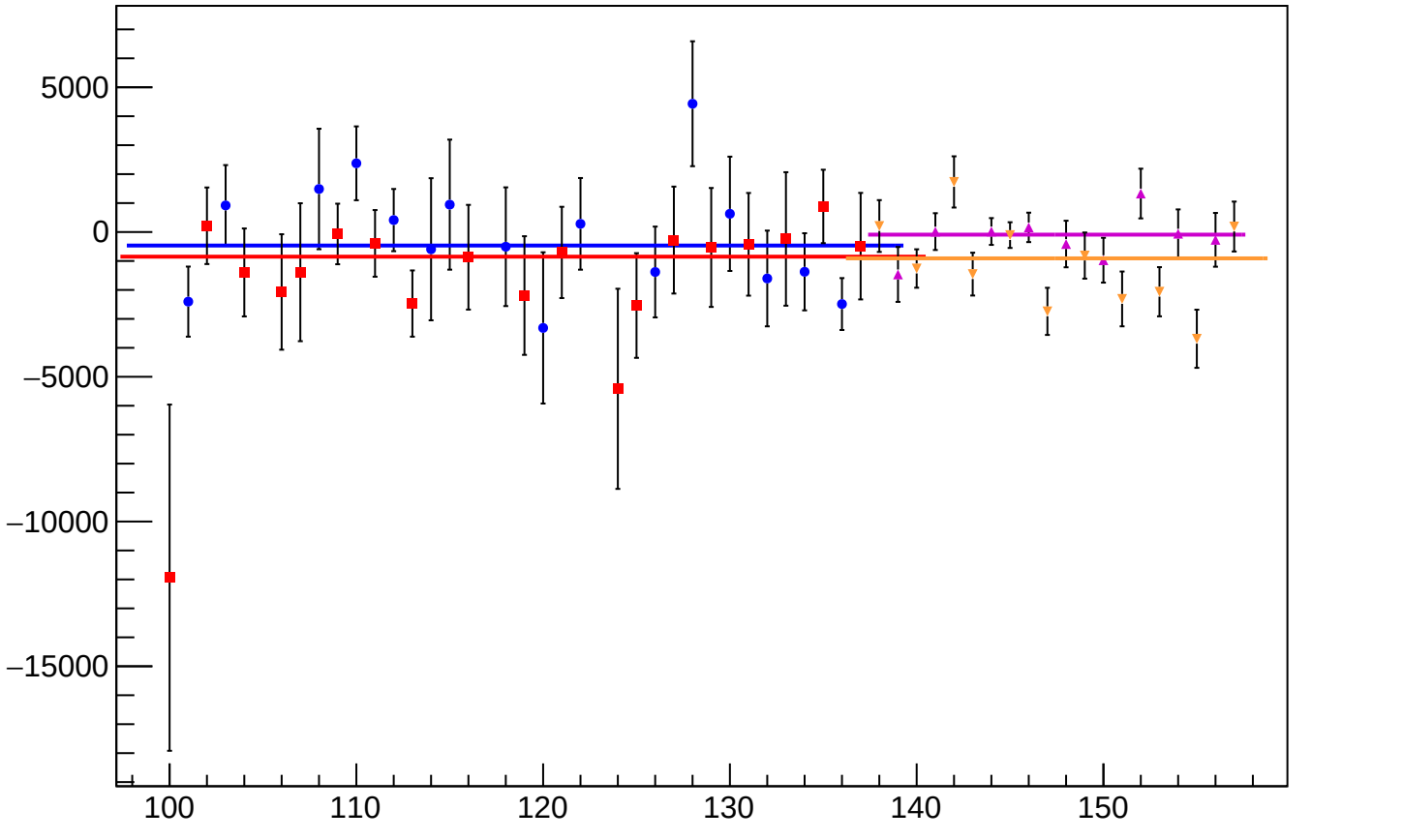
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.957+/-0.017 χ^2/NDF:262838.9/8

+ sign 70.019+/-0.013 χ^2/NDF: 1082816.9/26

All: 69.613+/-0.009 χ^2/NDF: 2364206.5/54

- sign 69.196+/-0.013 χ^2/NDF: 1279344.5/27



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

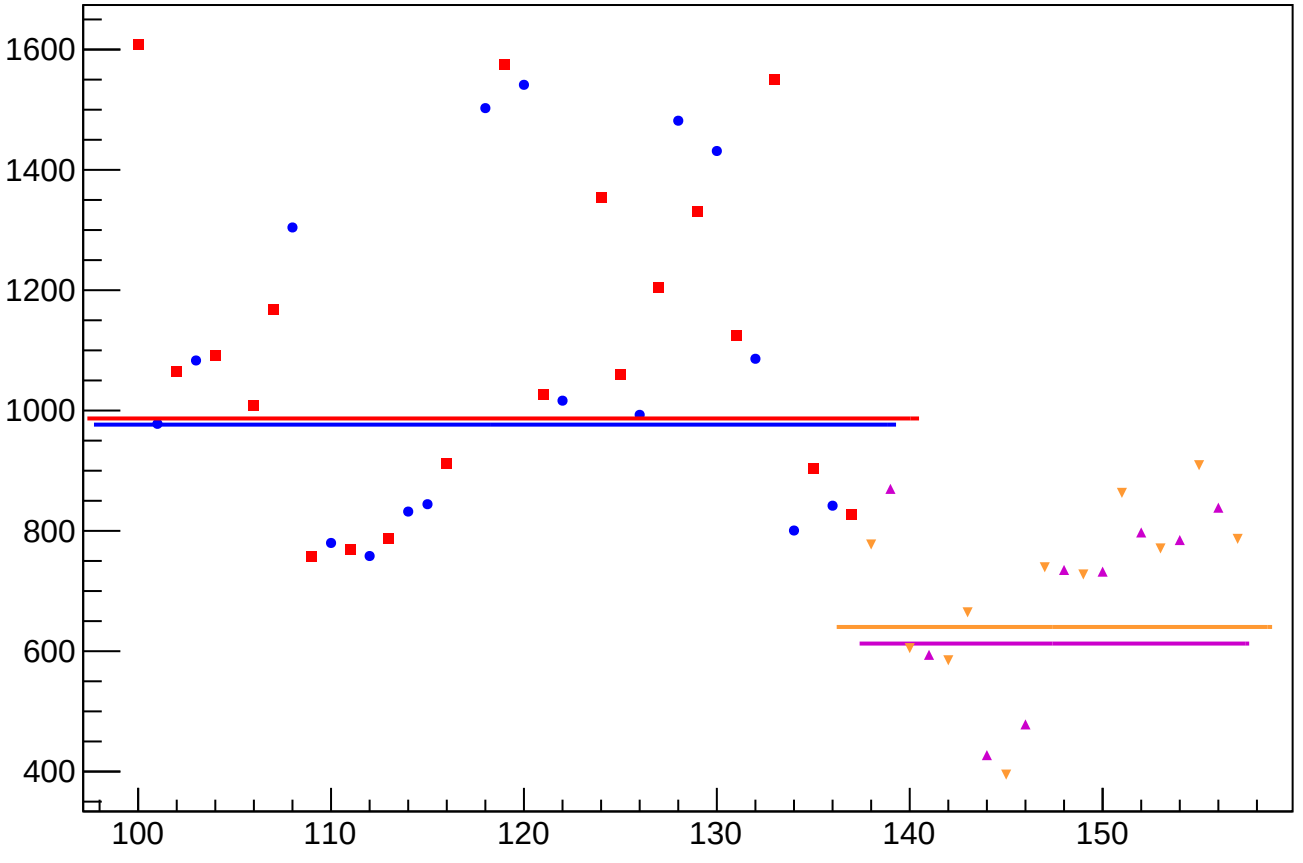
Left In: -90.263+/-227.771 χ^2/NDF:6.7/8

+ sign -791.499+/-193.421 χ^2/NDF: 57.7/26

All: -545.380+/-137.116 χ^2/NDF: 83.2/54

- sign -296.746+/-194.406 χ^2/NDF: 22.3/27

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

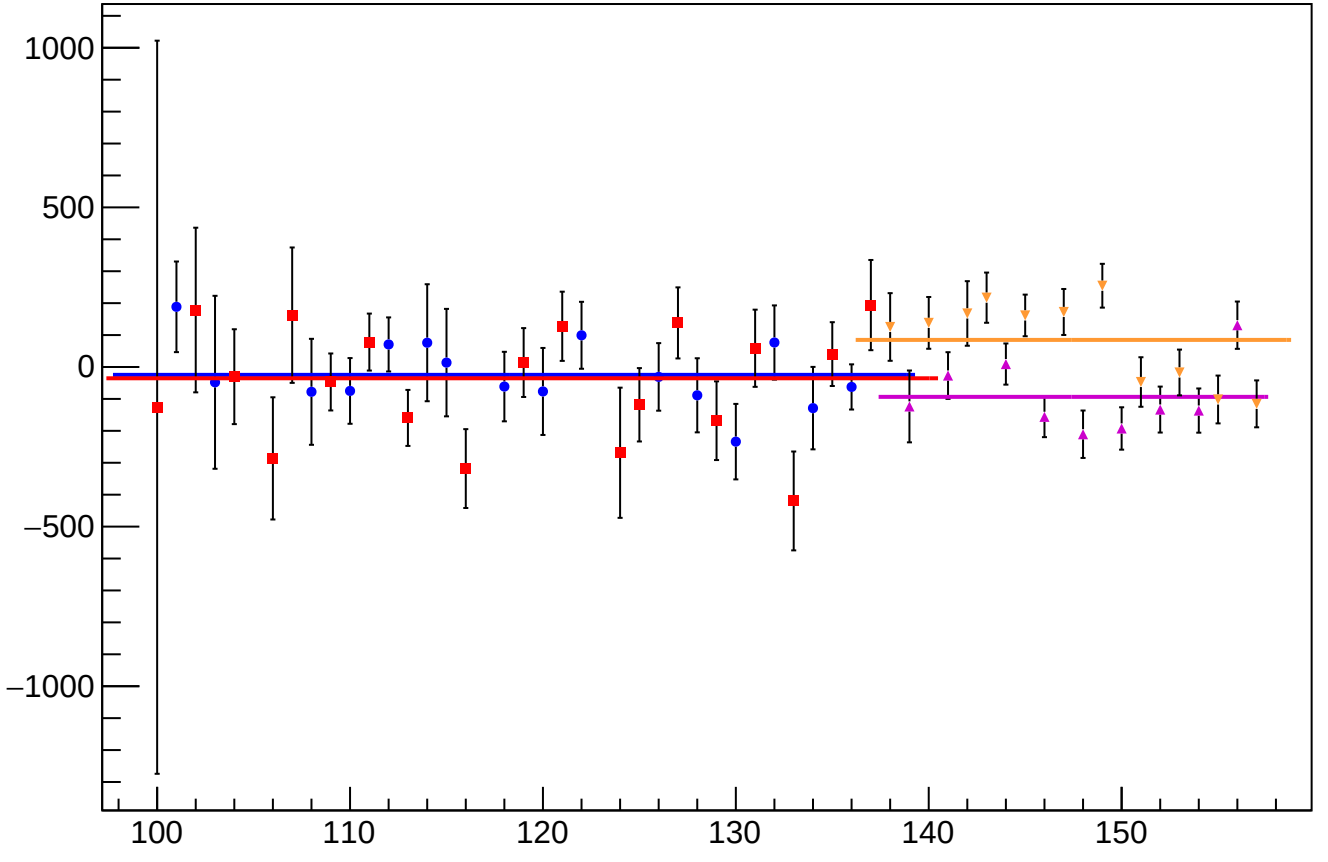
Left In: 612.707+/-0.161 χ^2/NDF:998250.0/8

+ sign 729.748+/-0.137 χ^2/NDF: 3003405.7/26

All: 722.055+/-0.097 χ^2/NDF: 6186319.4/54

- sign 714.284+/-0.137 χ^2/NDF: 3176553.9/27

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 84.868+/-23.156 χ^2/NDF:31.6/10

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

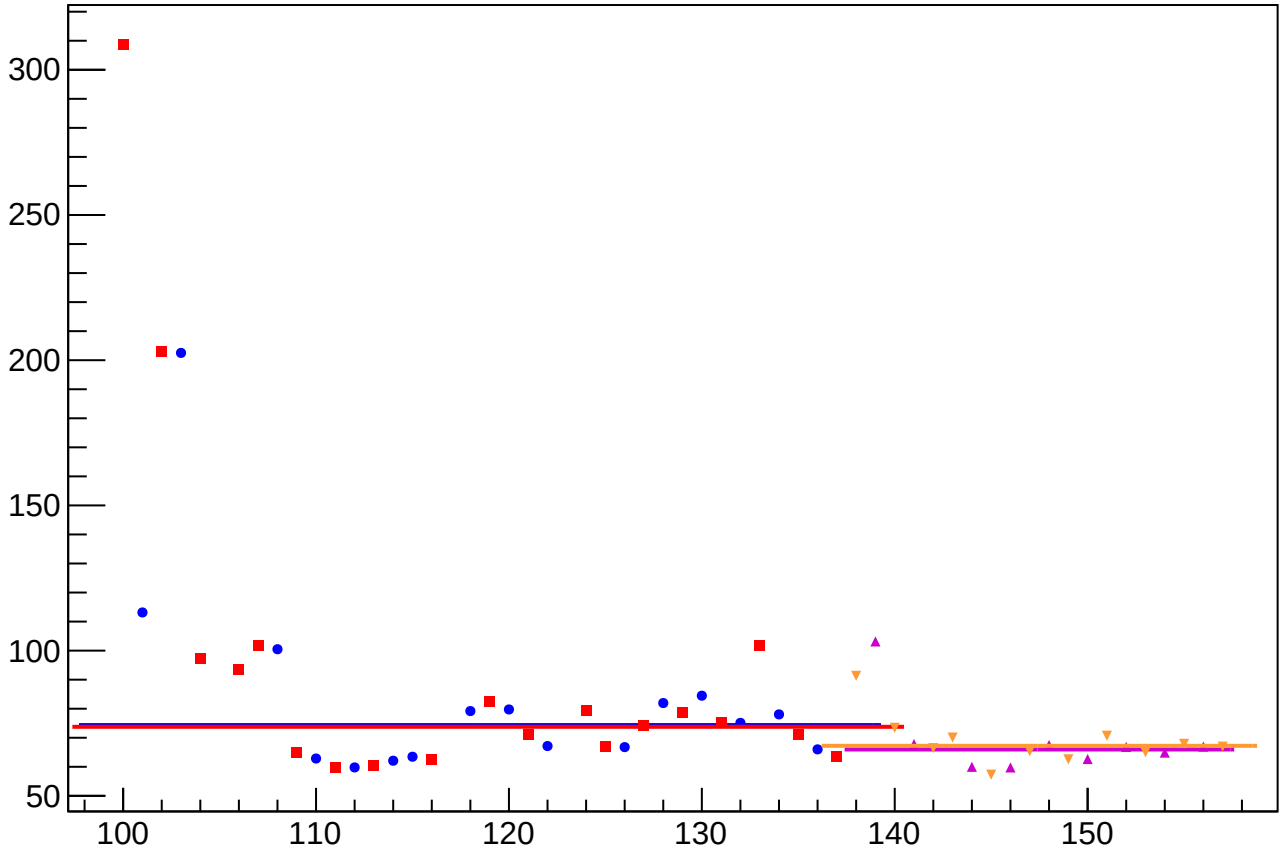
Left In: -93.561+/-23.939 χ^2/NDF:19.0/8

+ sign 42.075+/-18.074 χ^2/NDF: 51.4/26

All: -12.935+/-12.866 χ^2/NDF: 121.6/54

- sign -69.451+/-18.319 χ^2/NDF: 51.5/27

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.229+/-0.016 χ^2/NDF:180929.0/10

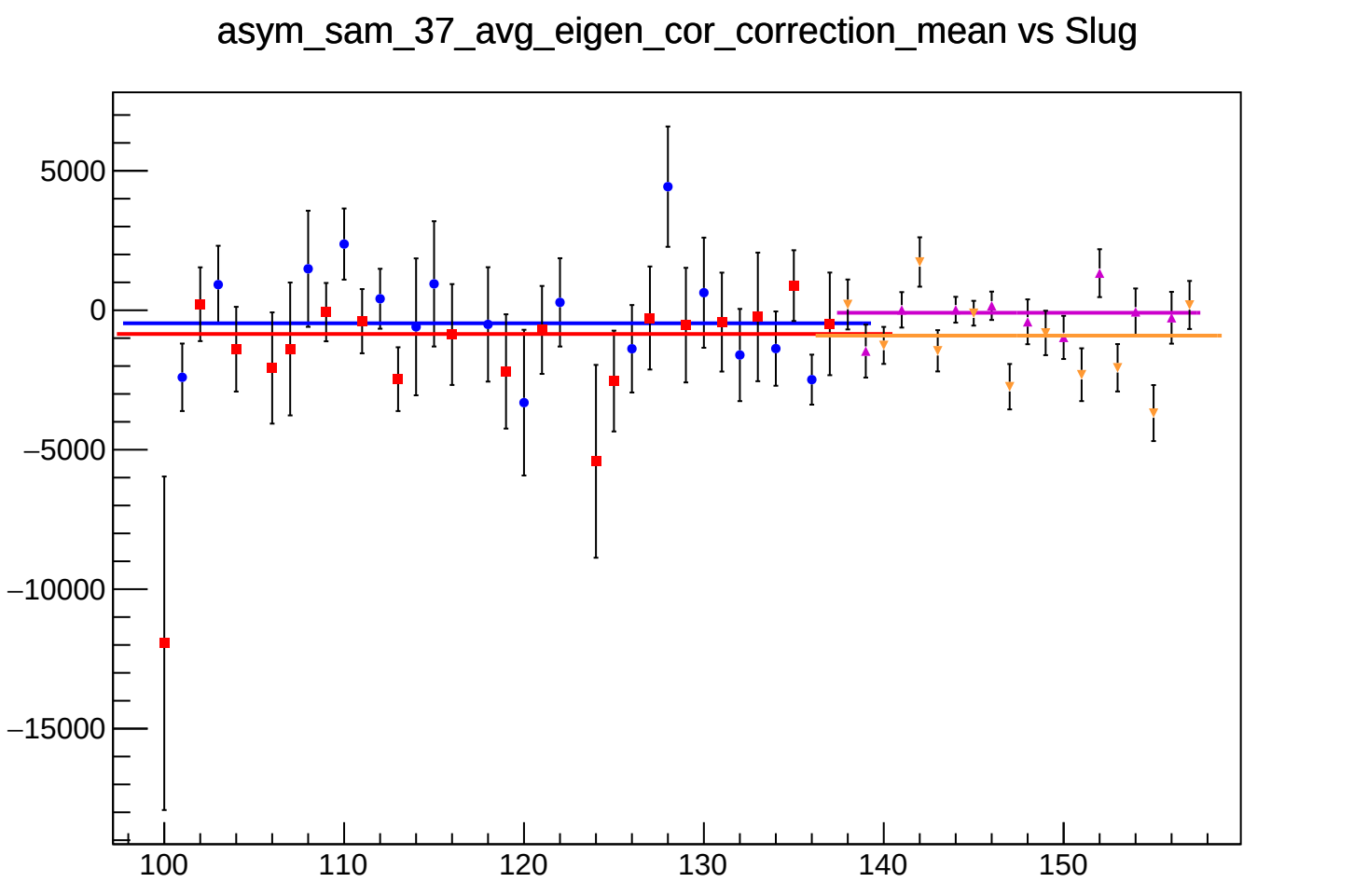
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.957+/-0.017 χ^2/NDF:262838.9/8

+ sign 70.019+/-0.013 χ^2/NDF: 1082816.9/26

All: 69.613+/-0.009 χ^2/NDF: 2364206.5/54

- sign 69.196+/-0.013 χ^2/NDF: 1279344.5/27



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -909.269+/-225.763 χ^2/NDF:32.9/10

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

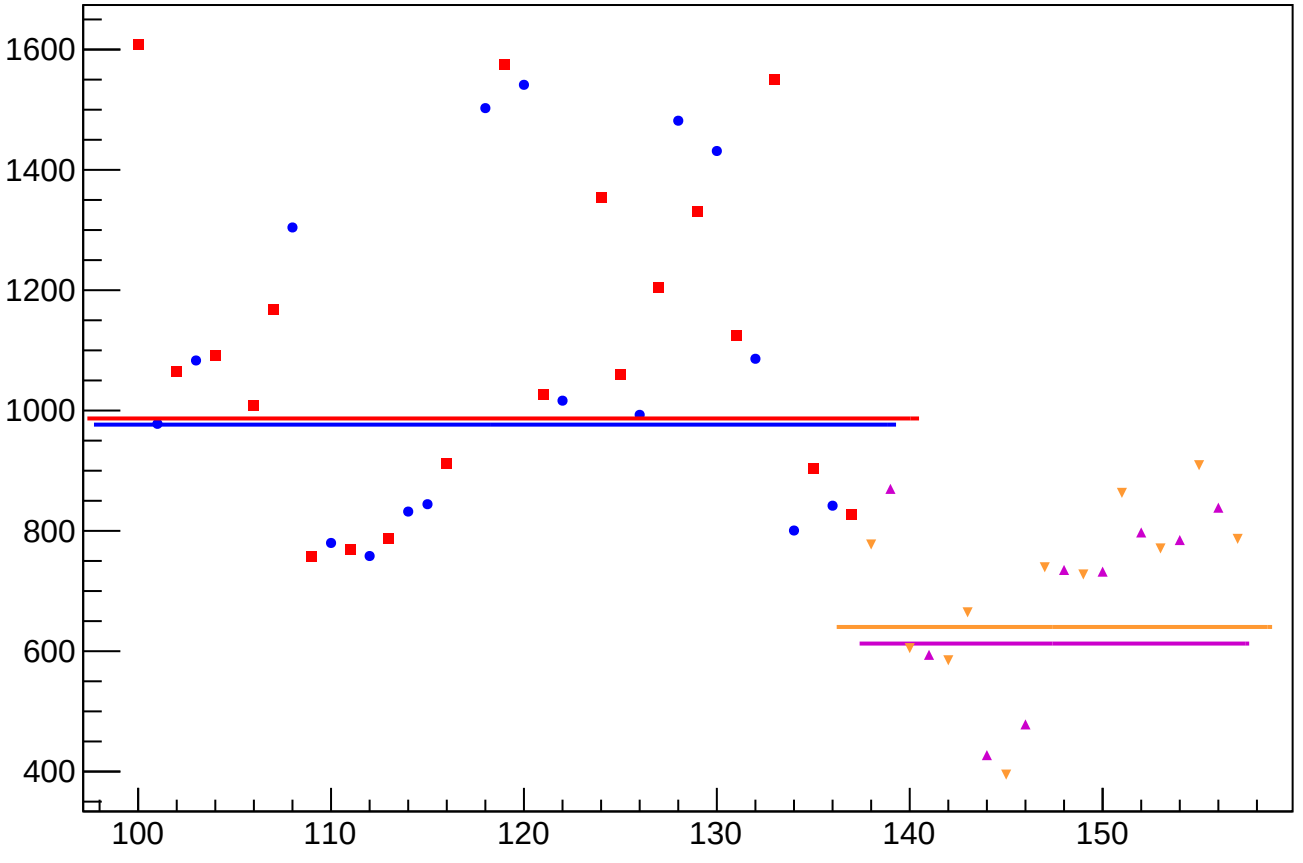
Left In: -90.263+/-227.771 χ^2/NDF:6.7/8

+ sign -791.499+/-193.421 χ^2/NDF: 57.7/26

All: -545.380+/-137.116 χ^2/NDF: 83.2/54

- sign -296.746+/-194.406 χ^2/NDF: 22.3/27

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 640.297+/-0.160 χ^2/NDF:1086393.2/10

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

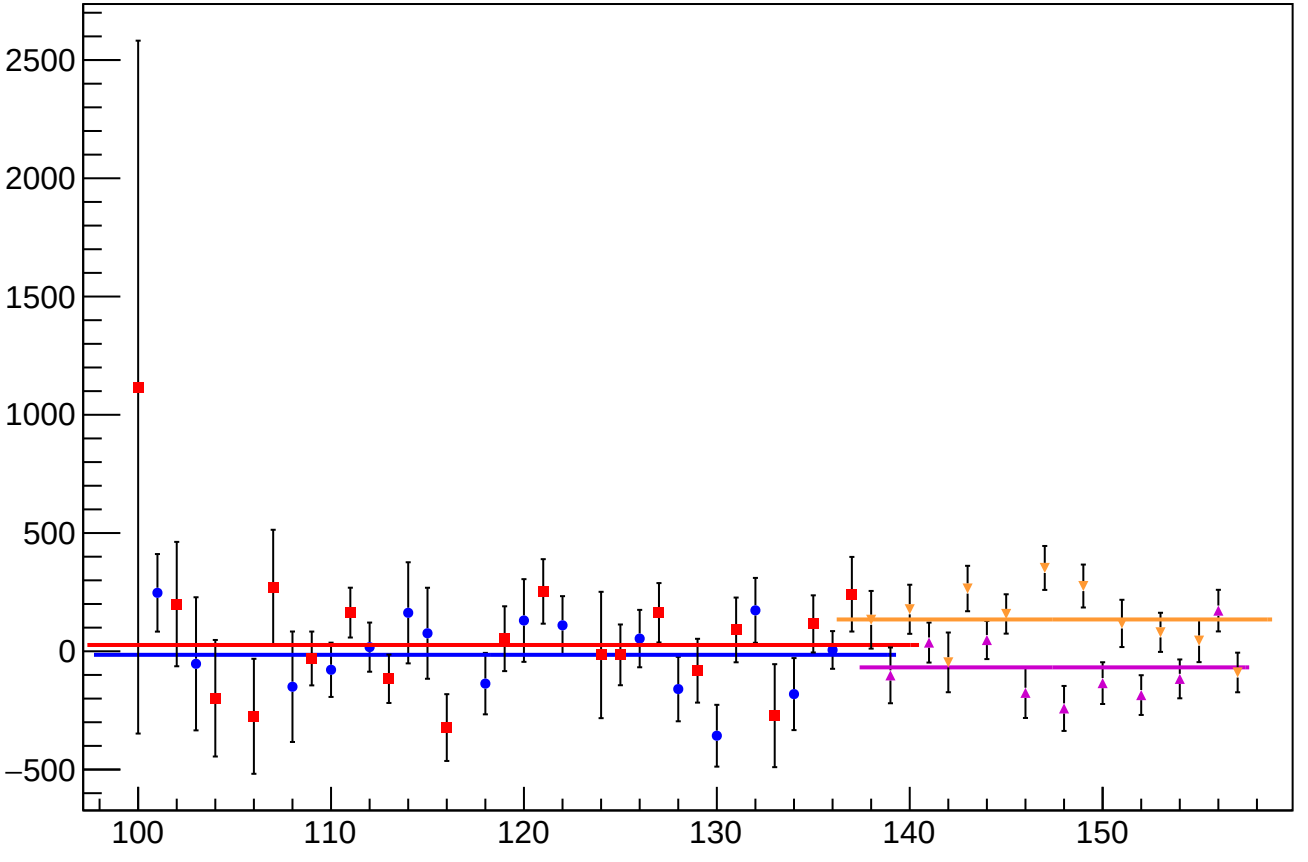
Left In: 612.707+/-0.161 χ^2/NDF:998250.0/8

+ sign 729.748+/-0.137 χ^2/NDF: 3003405.7/26

All: 722.055+/-0.097 χ^2/NDF: 6186319.4/54

- sign 714.284+/-0.137 χ^2/NDF: 3176553.9/27

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.580+/-28.594 χ^2/NDF:20.7/10

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

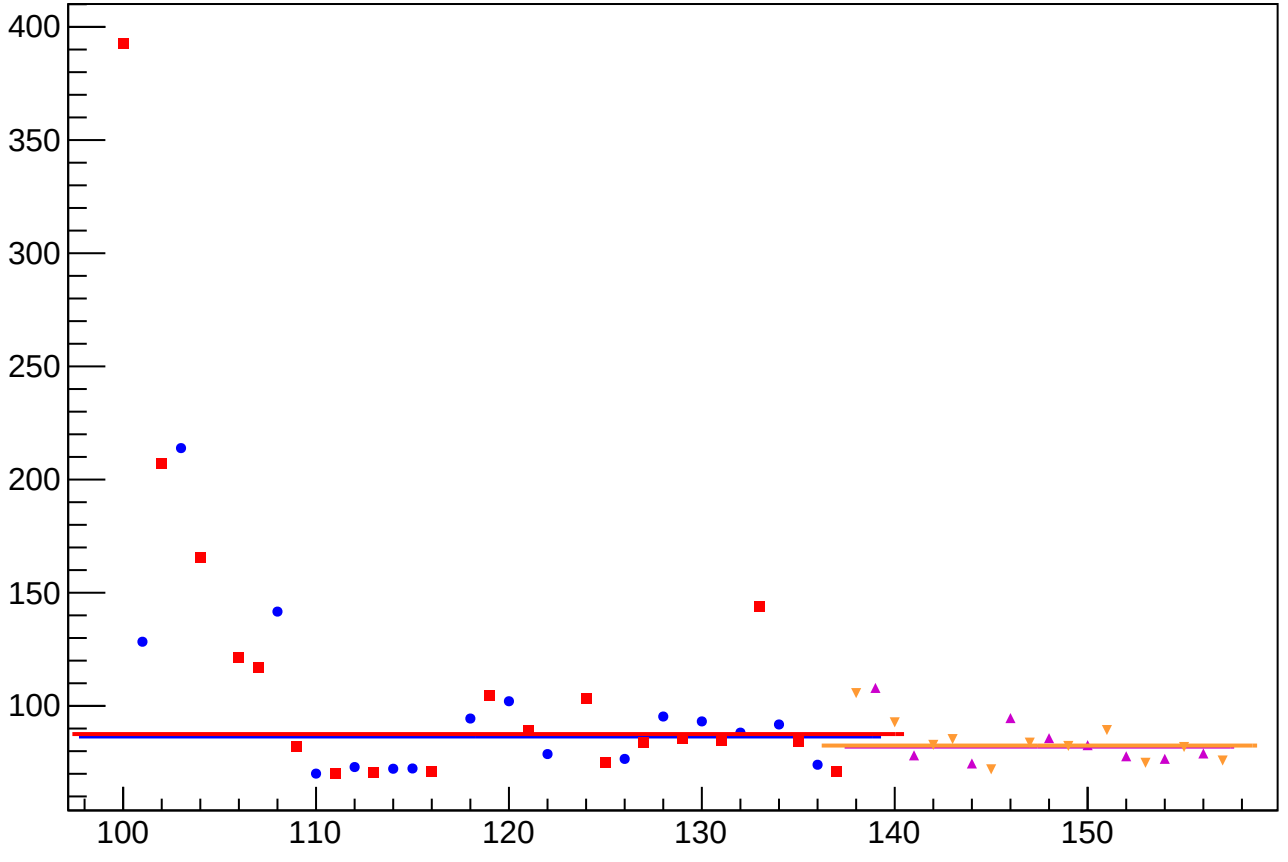
Left In: -67.999+/-29.985 χ^2/NDF:18.3/8

+ sign 72.119+/-21.820 χ^2/NDF: 50.4/26

All: 24.253+/-15.667 χ^2/NDF: 106.6/54

- sign -26.689+/-22.510 χ^2/NDF: 46.3/27

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 82.479+/-0.020 χ^2/NDF:164687.1/10

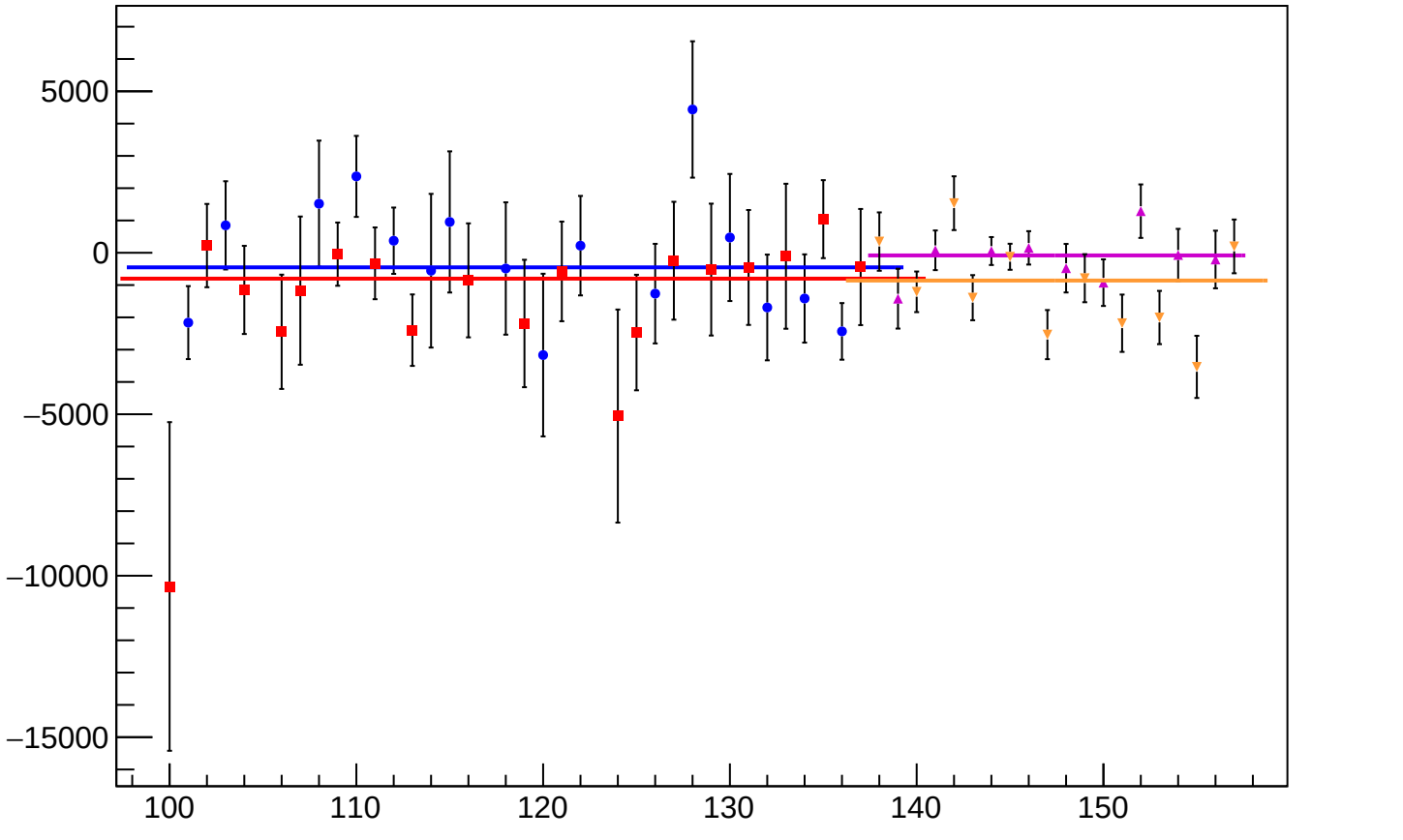
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 82.008+/-0.021 χ^2/NDF:165396.0/8

+ sign 84.154+/-0.015 χ^2/NDF: 1037374.1/26

All: 84.287+/-0.011 χ^2/NDF: 2362581.0/54

- sign 84.429+/-0.016 χ^2/NDF: 1325053.1/27



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.693+/-212.270 χ^2/NDF:32.6/10

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

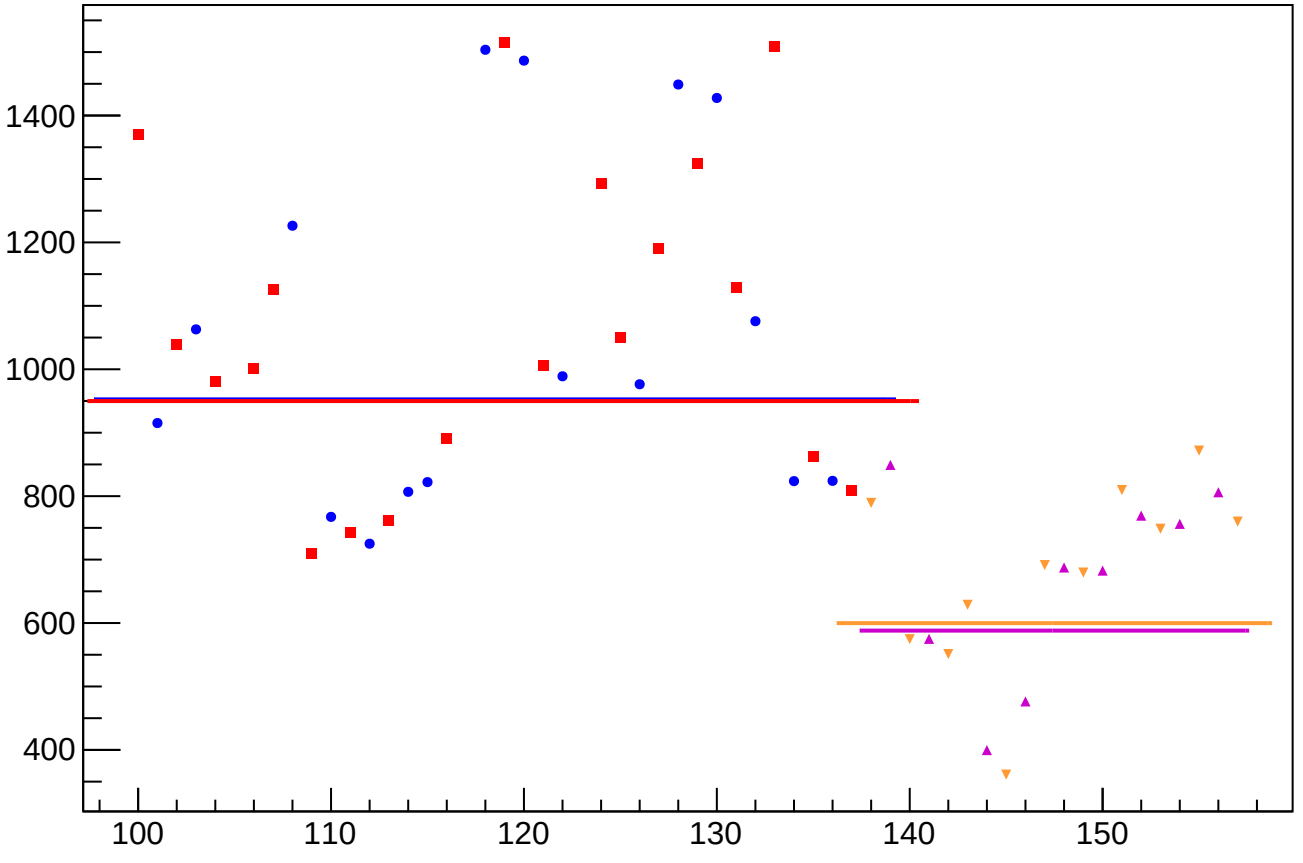
Left In: -82.123+/-219.061 χ^2/NDF:6.9/8

+ sign -756.753+/-183.572 χ^2/NDF: 57.2/26

All: -521.656+/-130.944 χ^2/NDF: 84.0/54

- sign -278.125+/-186.836 χ^2/NDF: 23.4/27

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 599.853+/-0.150 χ^2/NDF:1265414.9/10

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

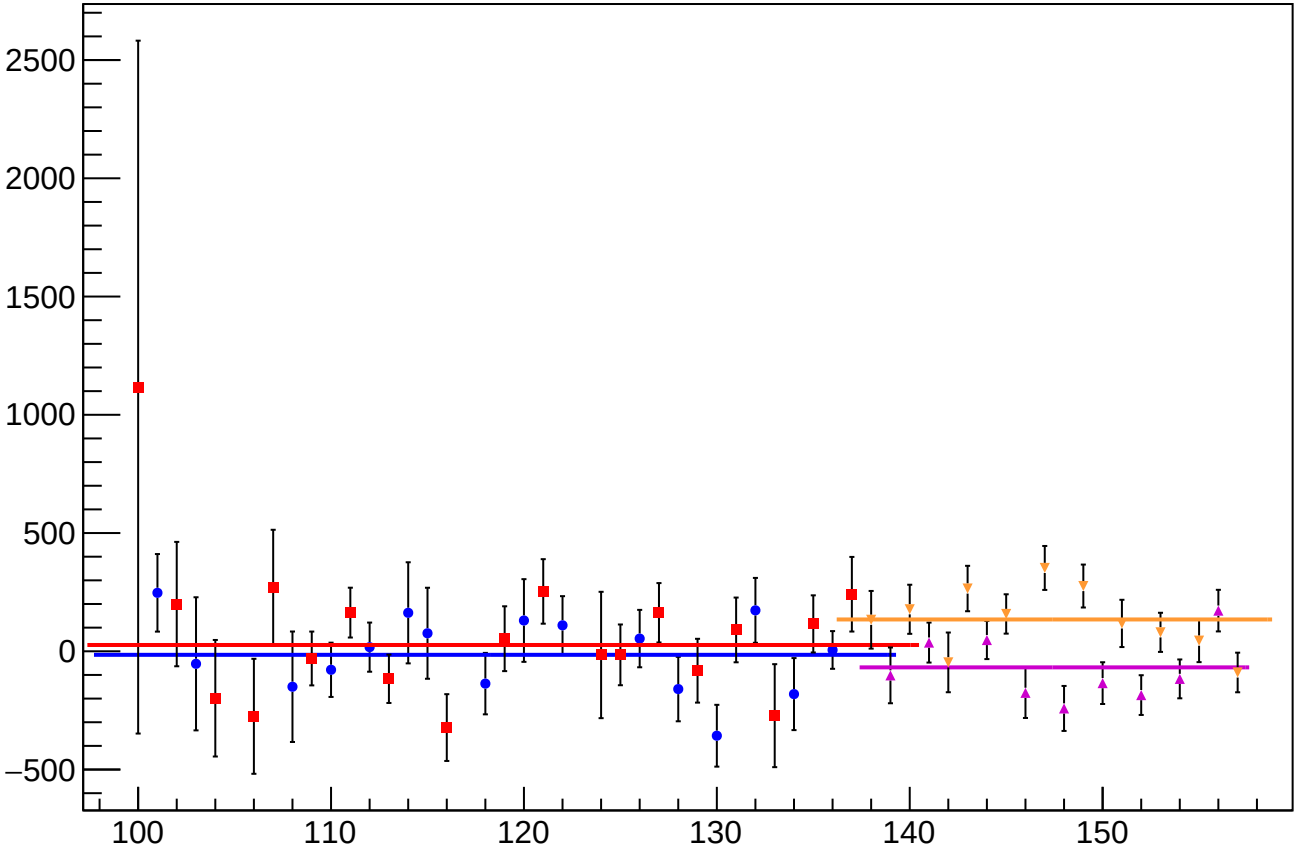
Left In: 588.049+/-0.155 χ^2/NDF:1003444.0/8

\+ sign 688.771+/-0.130 χ^2/NDF: 3403794.0/26

All: 687.742+/-0.093 χ^2/NDF: 6646413.4/54

\- sign 686.677+/-0.132 χ^2/NDF: 3242491.5/27

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 134.582+/-28.594 χ^2/NDF:20.7/10

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

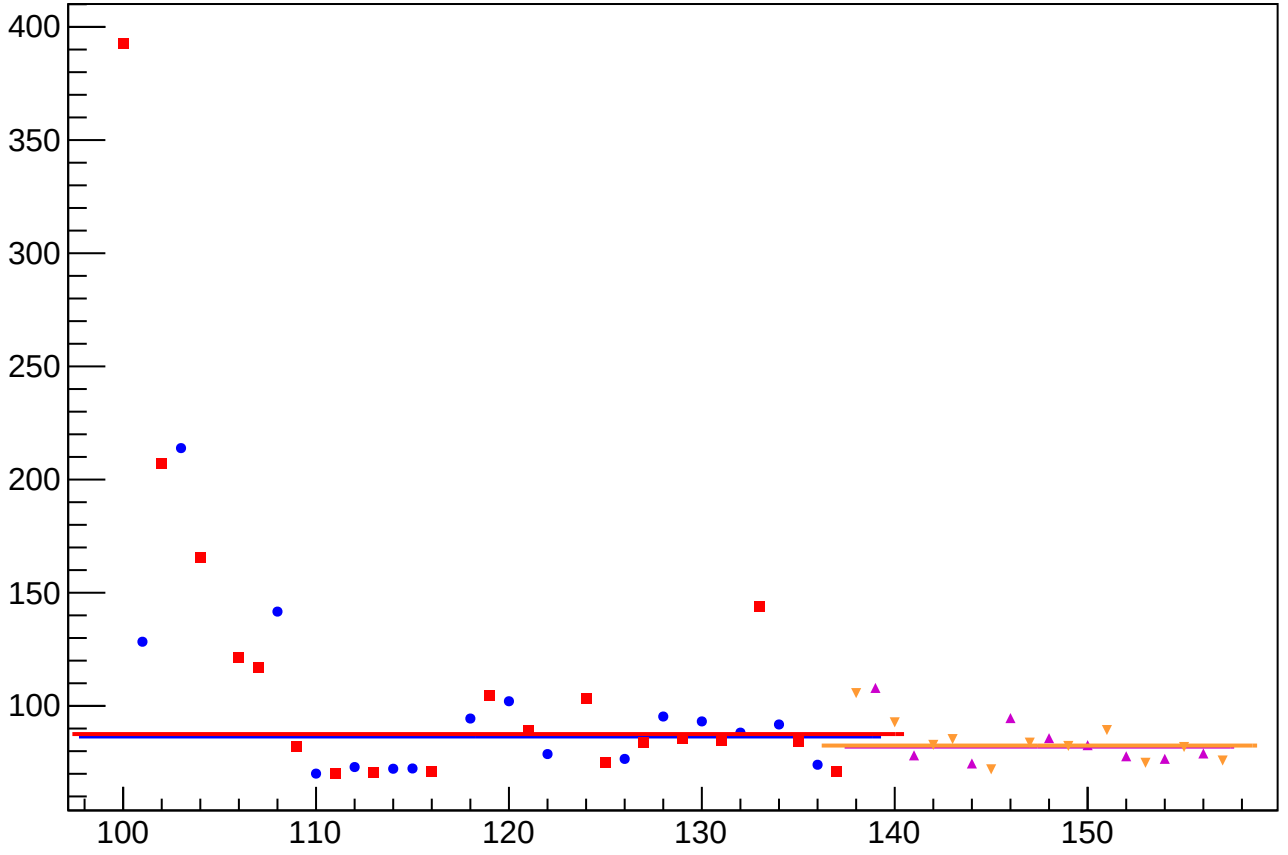
Left In: -68.000+/-29.985 χ^2/NDF:18.3/8

+ sign 72.120+/-21.820 χ^2/NDF: 50.4/26

All: 24.253+/-15.667 χ^2/NDF: 106.6/54

- sign -26.688+/-22.510 χ^2/NDF: 46.3/27

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 82.480+/-0.020 χ^2/NDF:164684.3/10

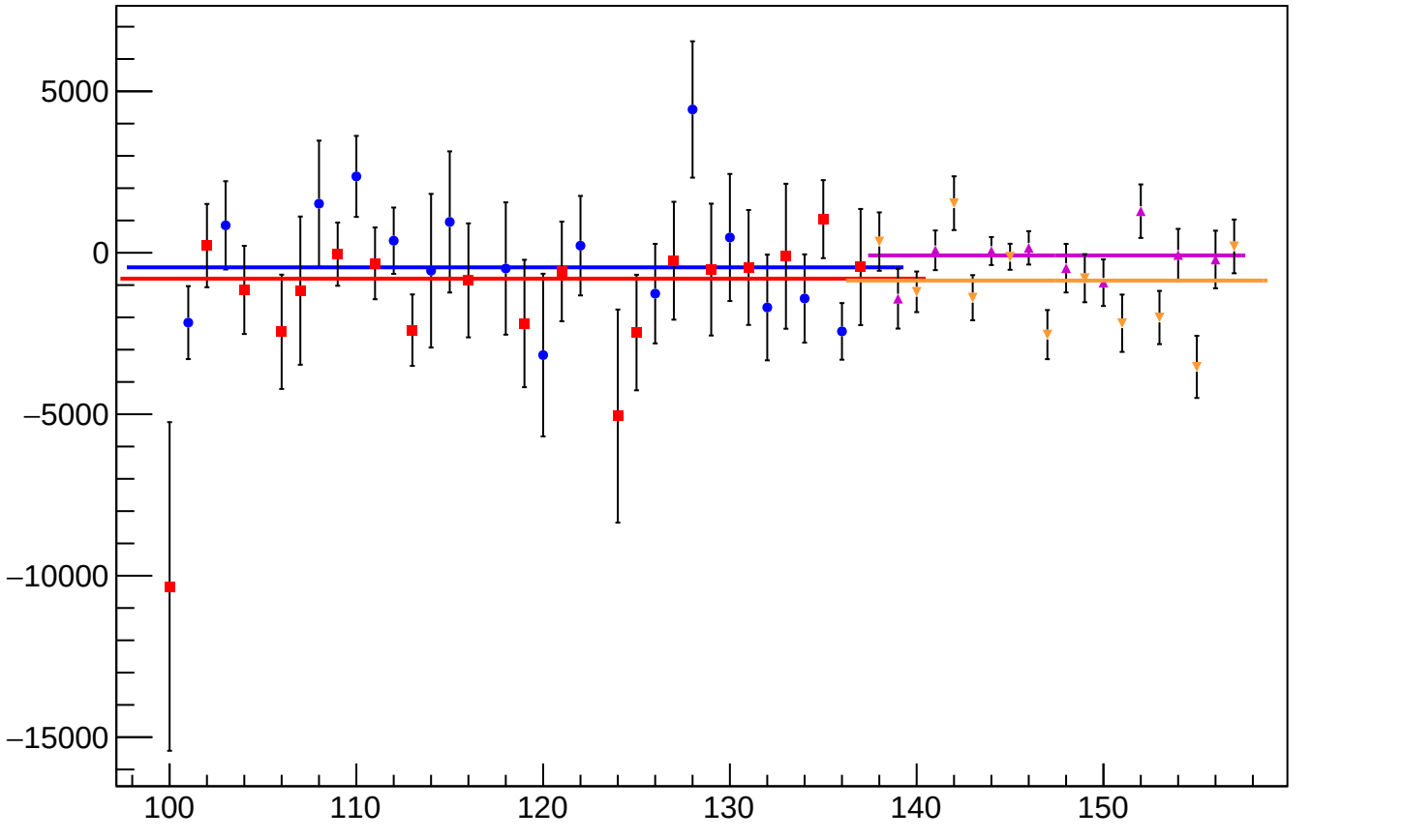
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 82.009+/-0.021 χ^2/NDF:165389.8/8

+ sign 84.155+/-0.015 χ^2/NDF: 1037361.7/26

All: 84.288+/-0.011 χ^2/NDF: 2362559.9/54

- sign 84.429+/-0.016 χ^2/NDF: 1325044.4/27



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -859.694+/-212.269 χ^2/NDF:32.6/10

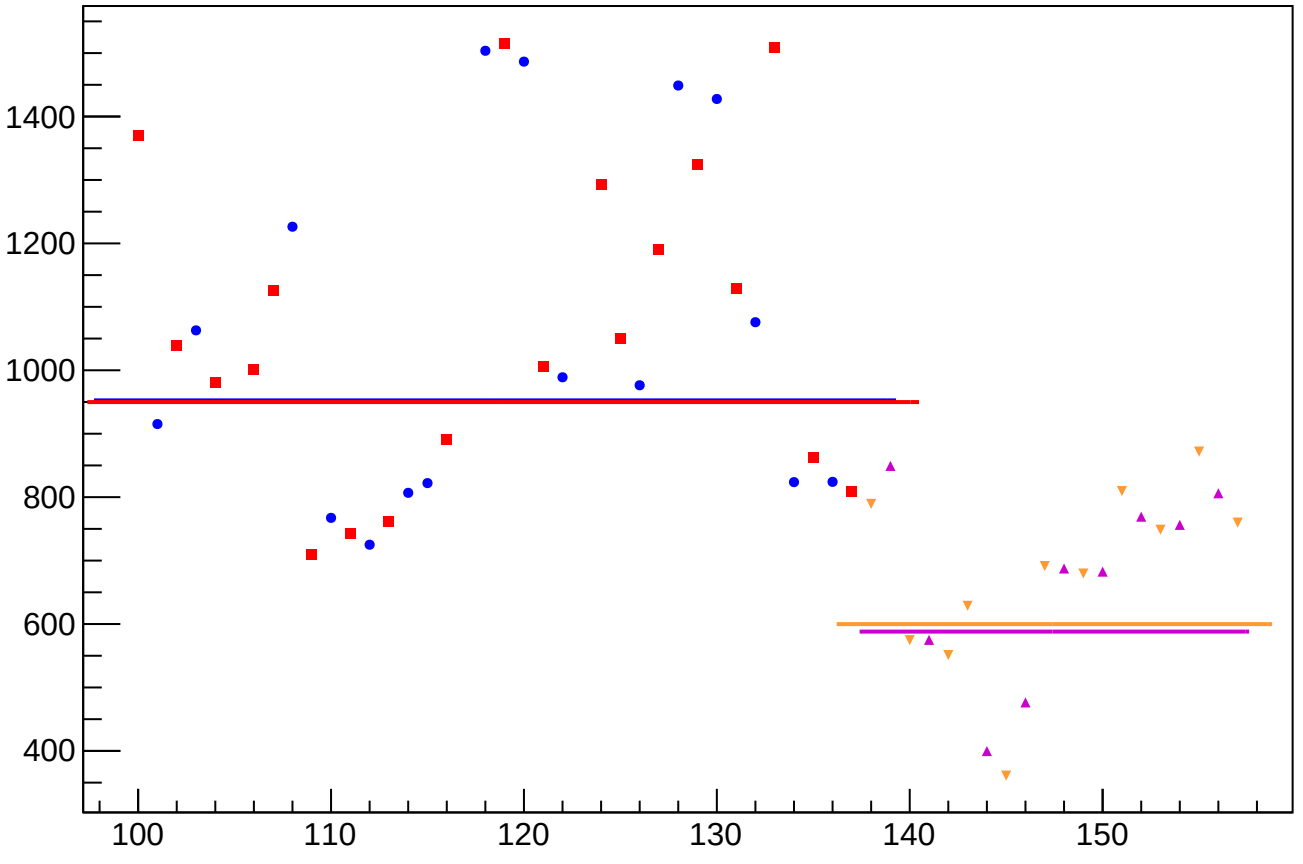
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -82.123+/-219.061 χ^2/NDF:6.9/8

\+ sign -756.753+/-183.572 χ^2/NDF: 57.2/26

All: -521.656+/-130.944 χ^2/NDF: 84.0/54

\- sign -278.124+/-186.836 χ^2/NDF: 23.4/27



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 599.852+/-0.150 χ^2/NDF:1265416.1/10

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

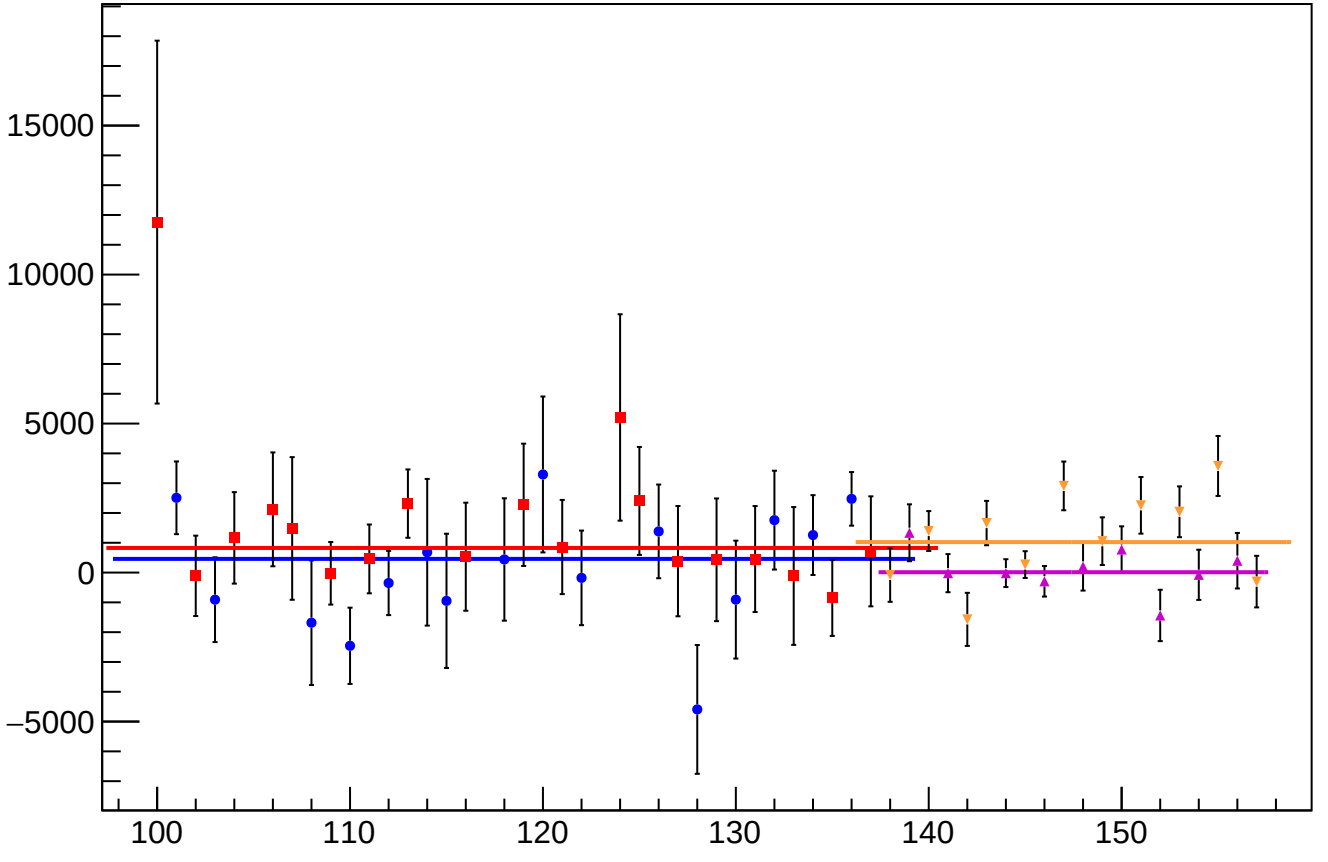
Left In: 588.048+/-0.155 χ^2/NDF:1003443.9/8

+ sign 688.770+/-0.130 χ^2/NDF: 3403794.1/26

All: 687.742+/-0.093 χ^2/NDF: 6646407.3/54

- sign 686.676+/-0.132 χ^2/NDF: 3242485.3/27

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.961+/-227.269 χ^2/NDF:31.1/10

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

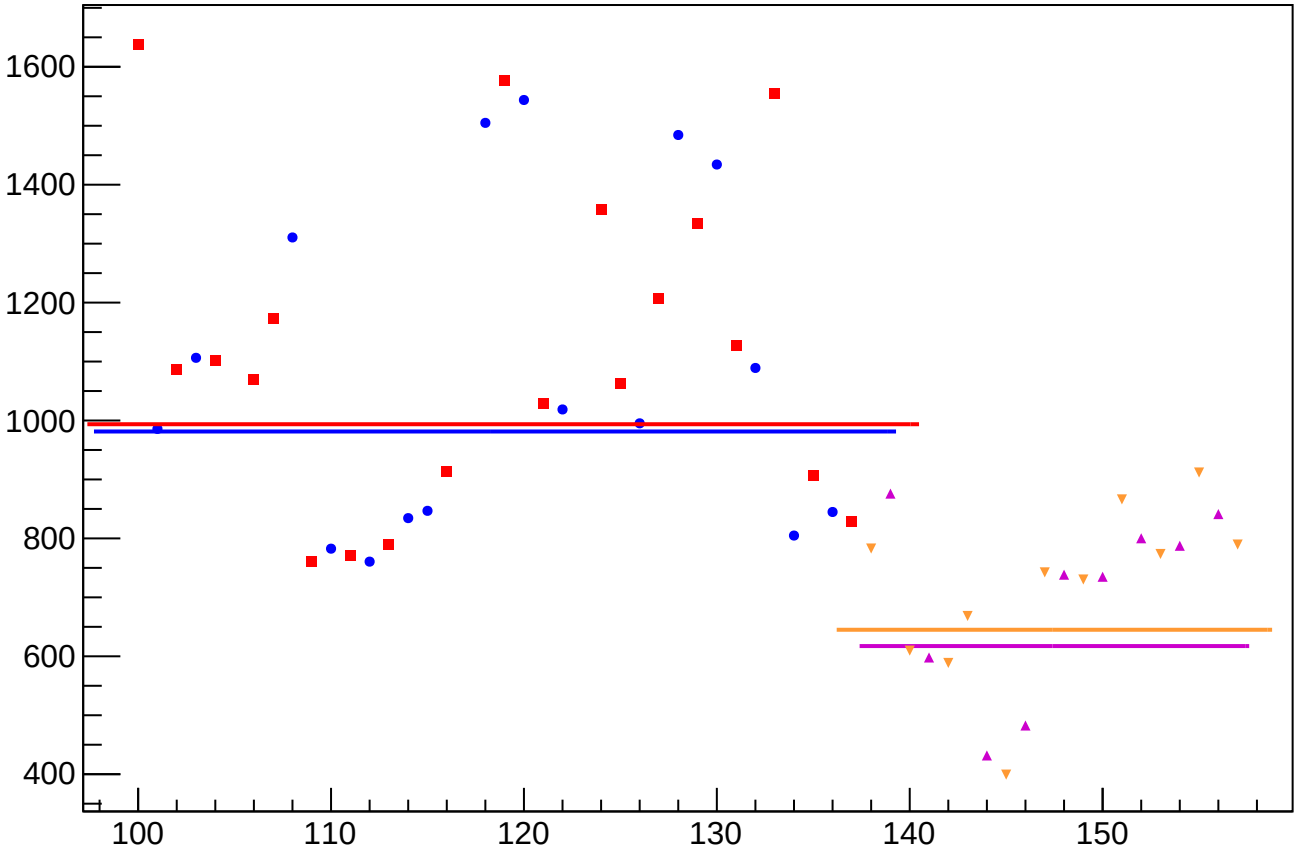
Left In: 12.136+/-229.349 χ^2/NDF:6.3/8

+ sign 872.602+/-194.620 χ^2/NDF: 57.3/26

All: 555.063+/-137.945 χ^2/NDF: 84.0/54

- sign 234.486+/-195.549 χ^2/NDF: 21.4/27

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 645.022+/-0.161 χ^2/NDF:1062561.3/10

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

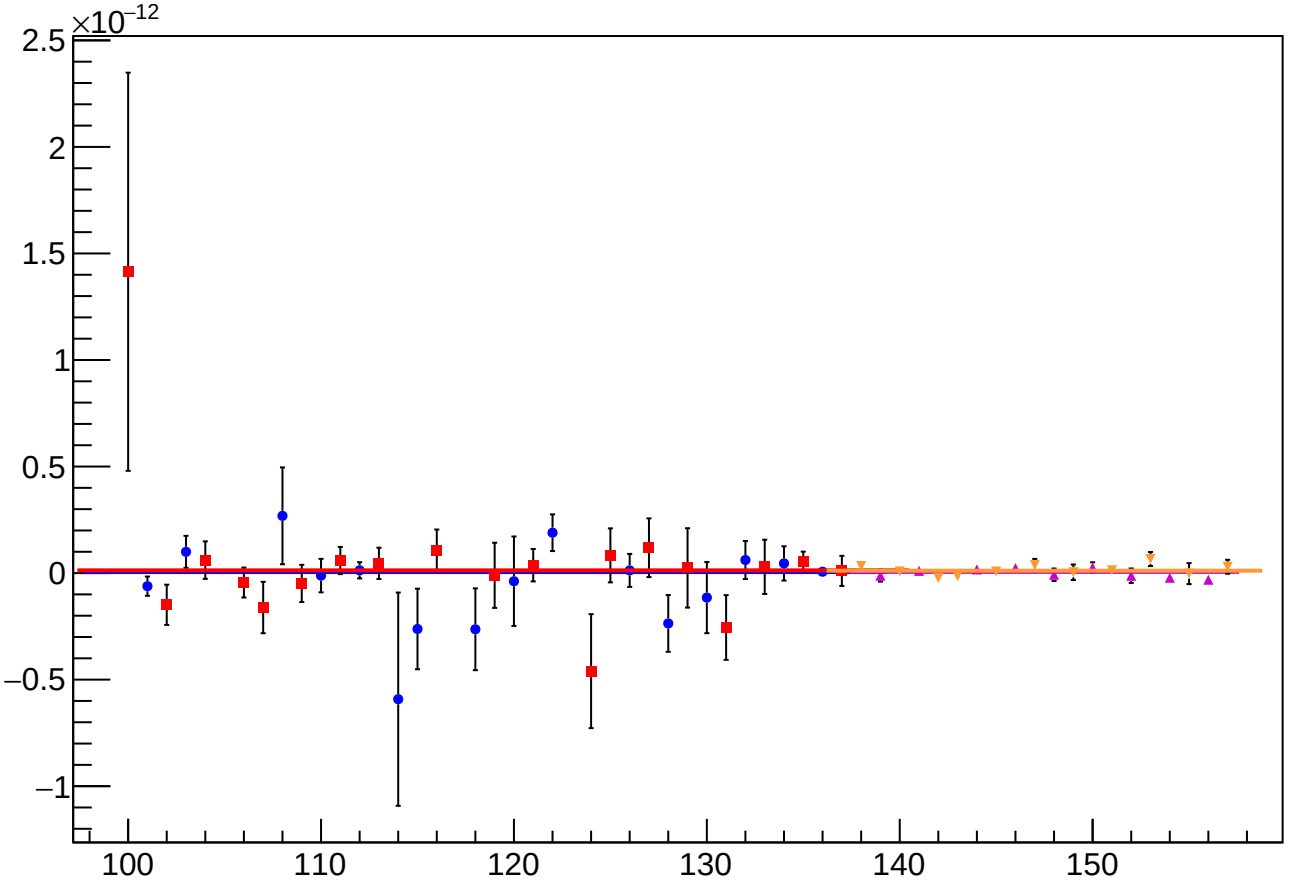
Left In: 617.372+/-0.162 χ^2/NDF:979416.2/8

+ sign 734.713+/-0.138 χ^2/NDF: 2968228.4/26

All: 727.449+/-0.098 χ^2/NDF: 6143108.3/54

- sign 720.115+/-0.138 χ^2/NDF: 3169280.5/27

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/10

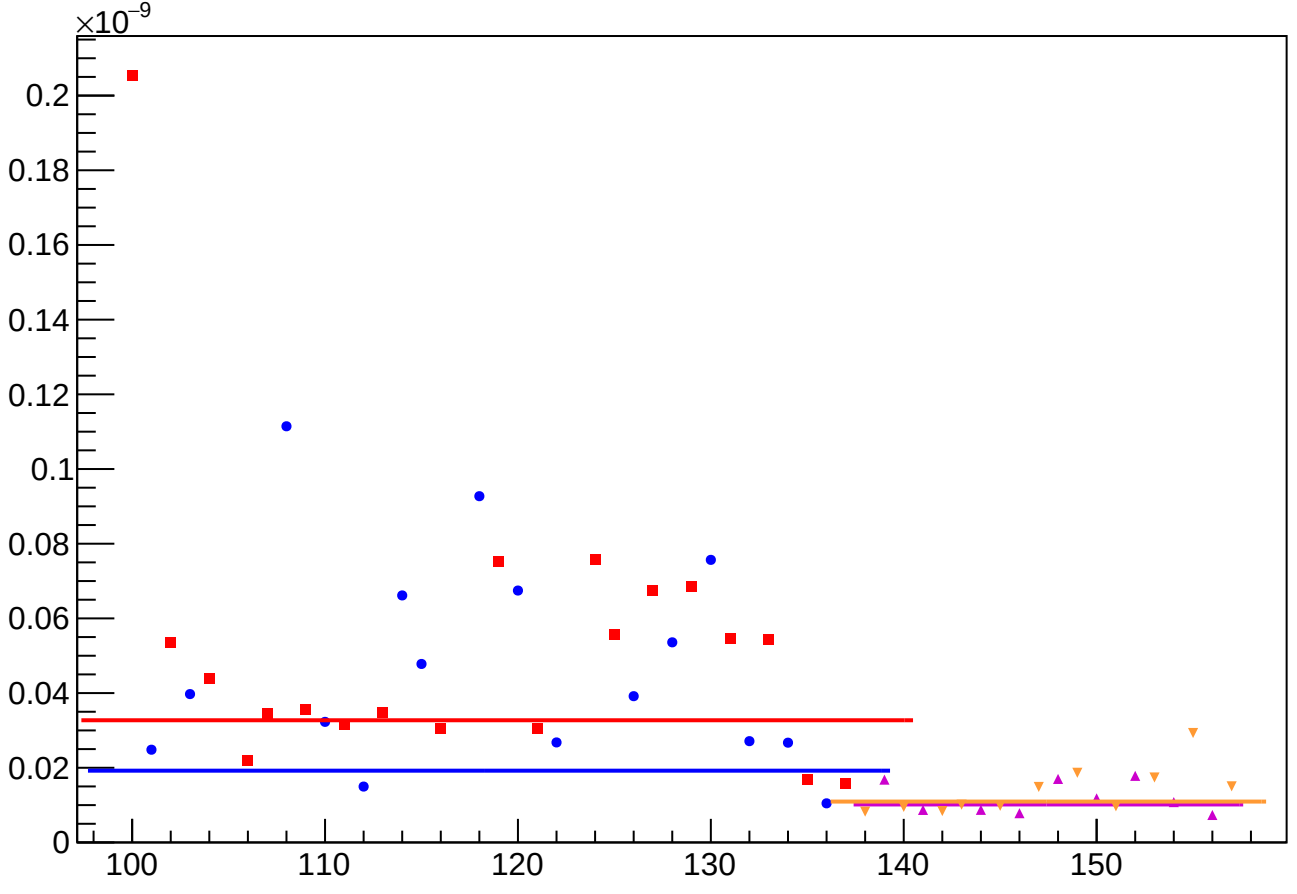
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/26

All: 0.000+/-0.000 χ^2/NDF: 55.9/54

- sign 0.000+/-0.000 χ^2/NDF: 26.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:617057.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

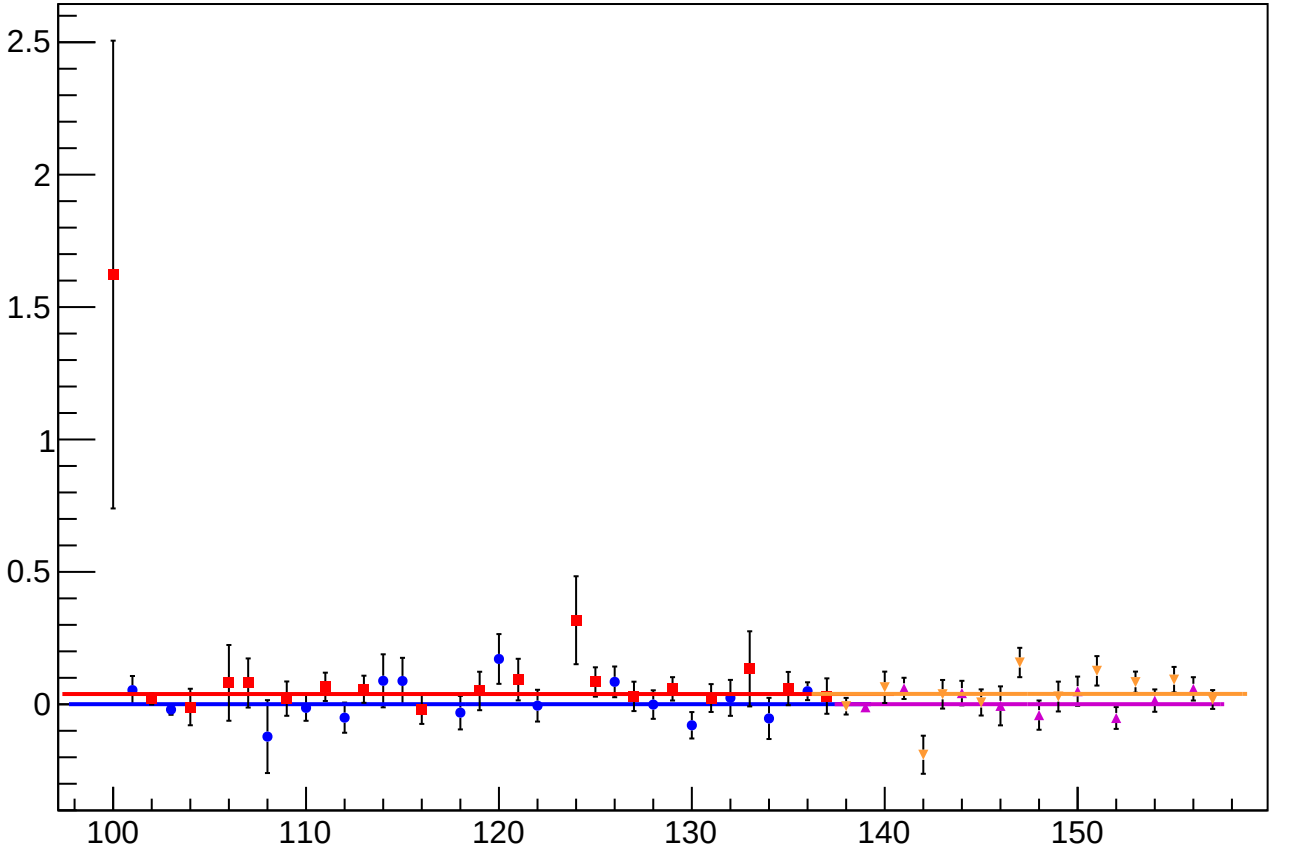
Left In: 0.000+/-0.000 χ^2/NDF:447648.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 3131016.3/26

All: 0.000+/-0.000 χ^2/NDF: 6888827.3/54

- sign 0.000+/-0.000 χ^2/NDF: 3757739.3/27

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

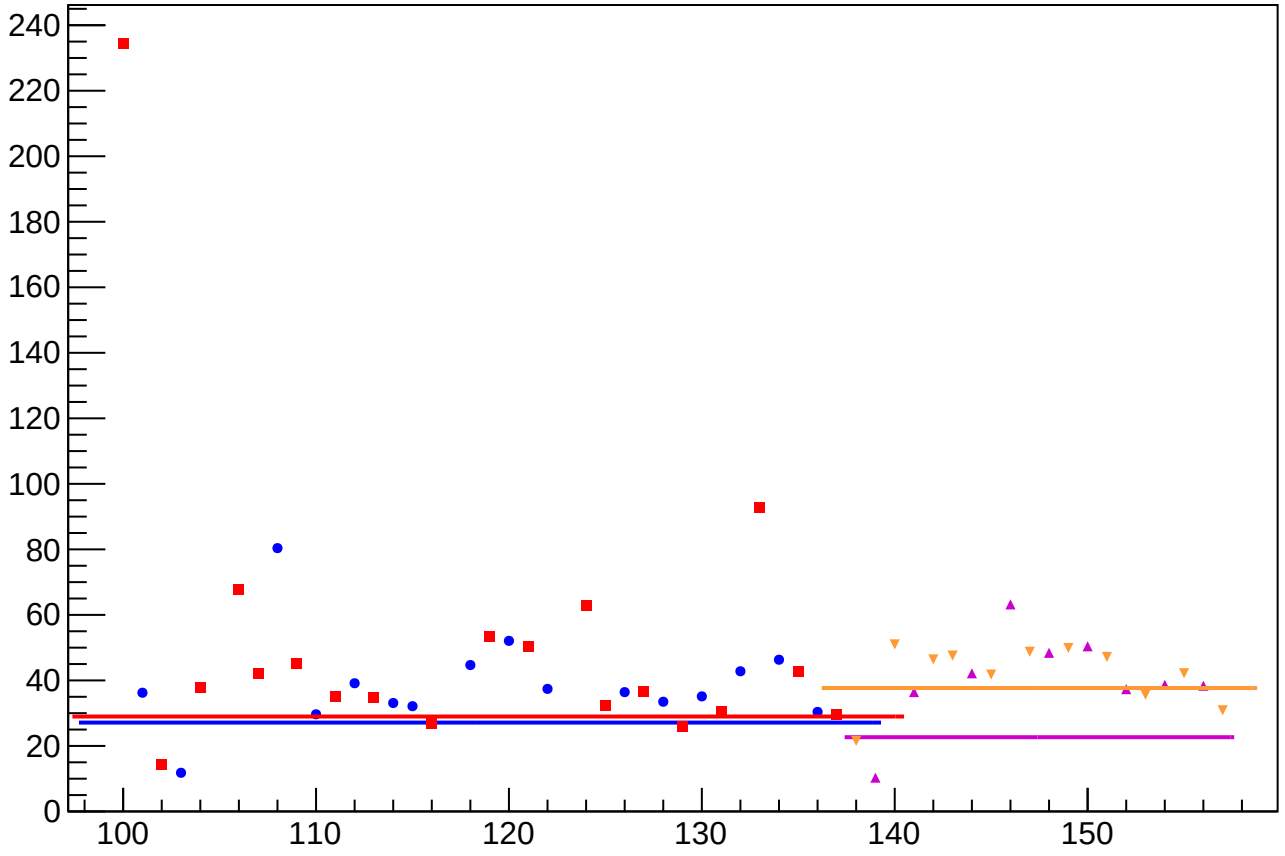
Left In: 0.000+/-0.010 χ^2/NDF:8.6/8

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.016+/-0.006 χ^2/NDF: 68.9/54

- sign 0.016+/-0.008 χ^2/NDF: 25.1/27

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

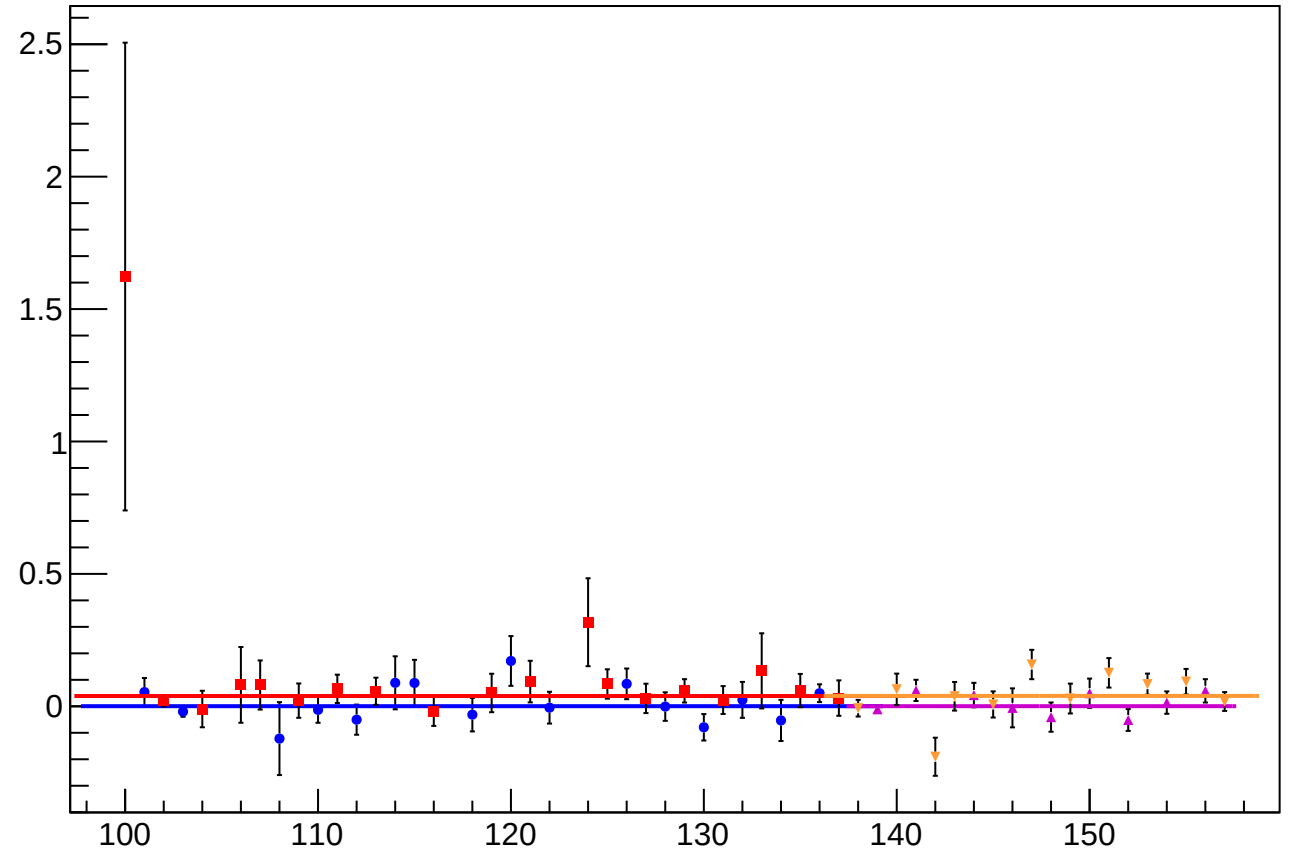
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.666+/-0.007 χ^2/NDF:4623844.0/8

+ sign 31.586+/-0.006 χ^2/NDF: 4133257.3/26

All: 28.011+/-0.004 χ^2/NDF: 12053237.0/54

- sign 25.233+/-0.006 χ^2/NDF: 7376264.6/27



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

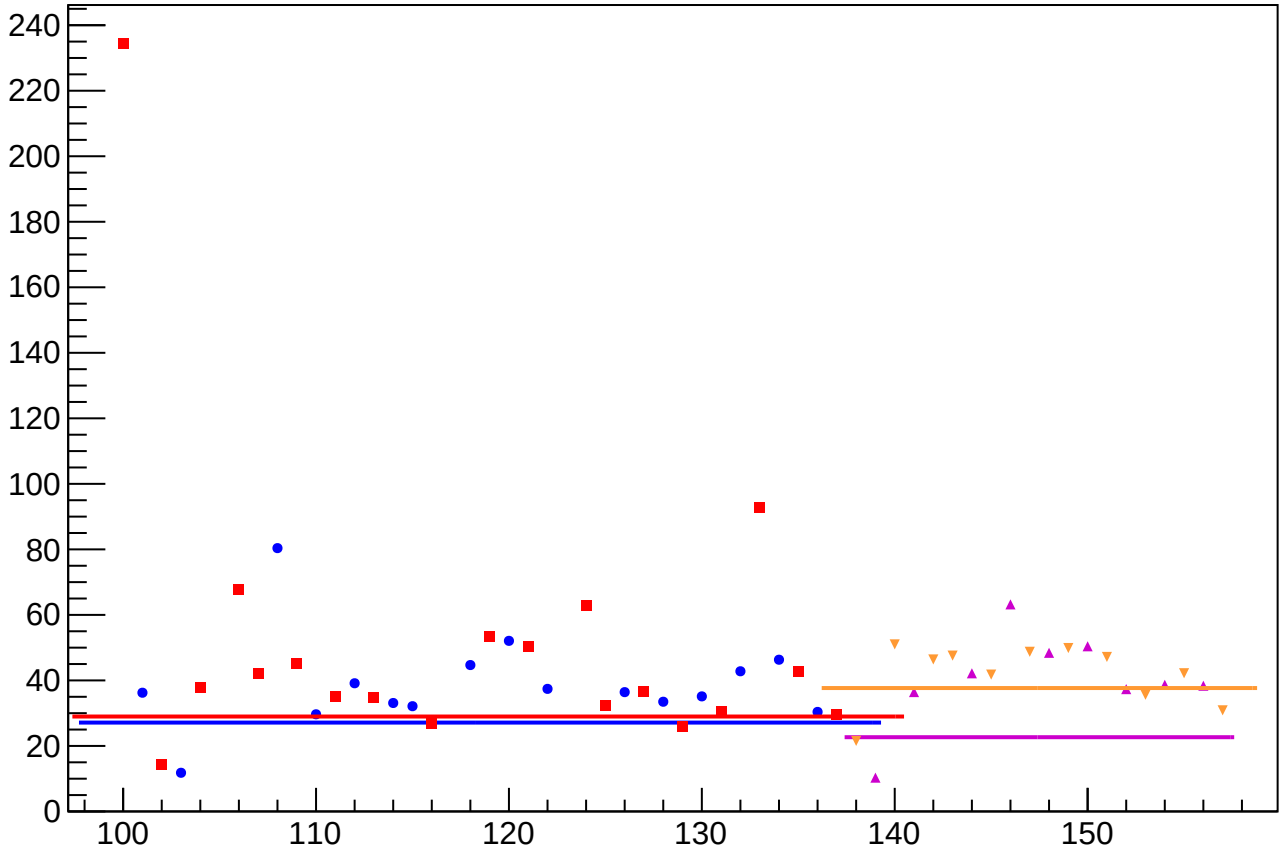
Left In: 0.000+/-0.010 χ^2/NDF:8.6/8

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.016+/-0.006 χ^2/NDF: 68.9/54

- sign 0.016+/-0.008 χ^2/NDF: 25.1/27

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 37.671+/-0.010 χ^2/NDF:1068660.8/10

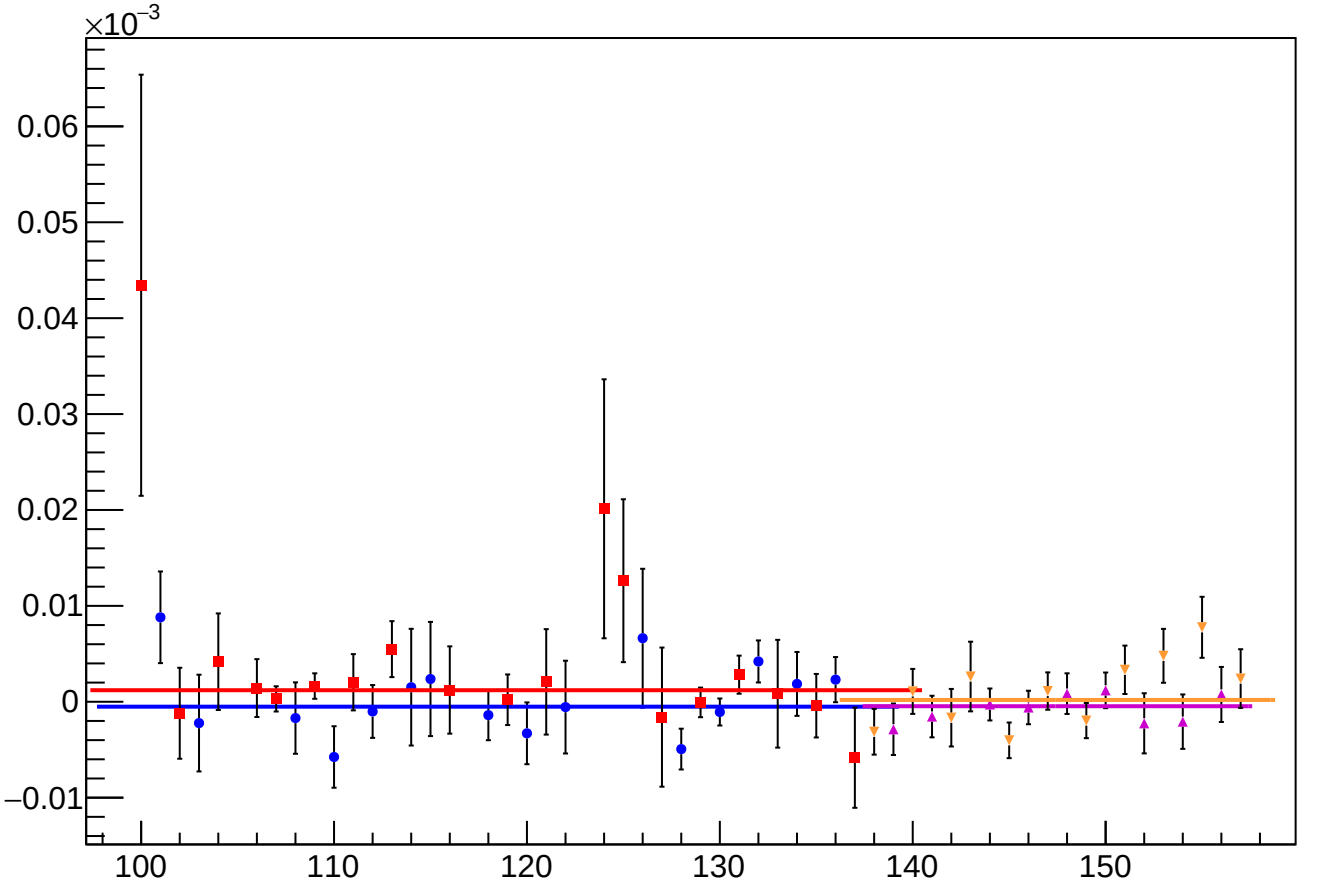
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.666+/-0.007 χ^2/NDF:4623844.0/8

+ sign 31.586+/-0.006 χ^2/NDF: 4133257.3/26

All: 28.011+/-0.004 χ^2/NDF: 12053237.0/54

- sign 25.233+/-0.006 χ^2/NDF: 7376264.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/10

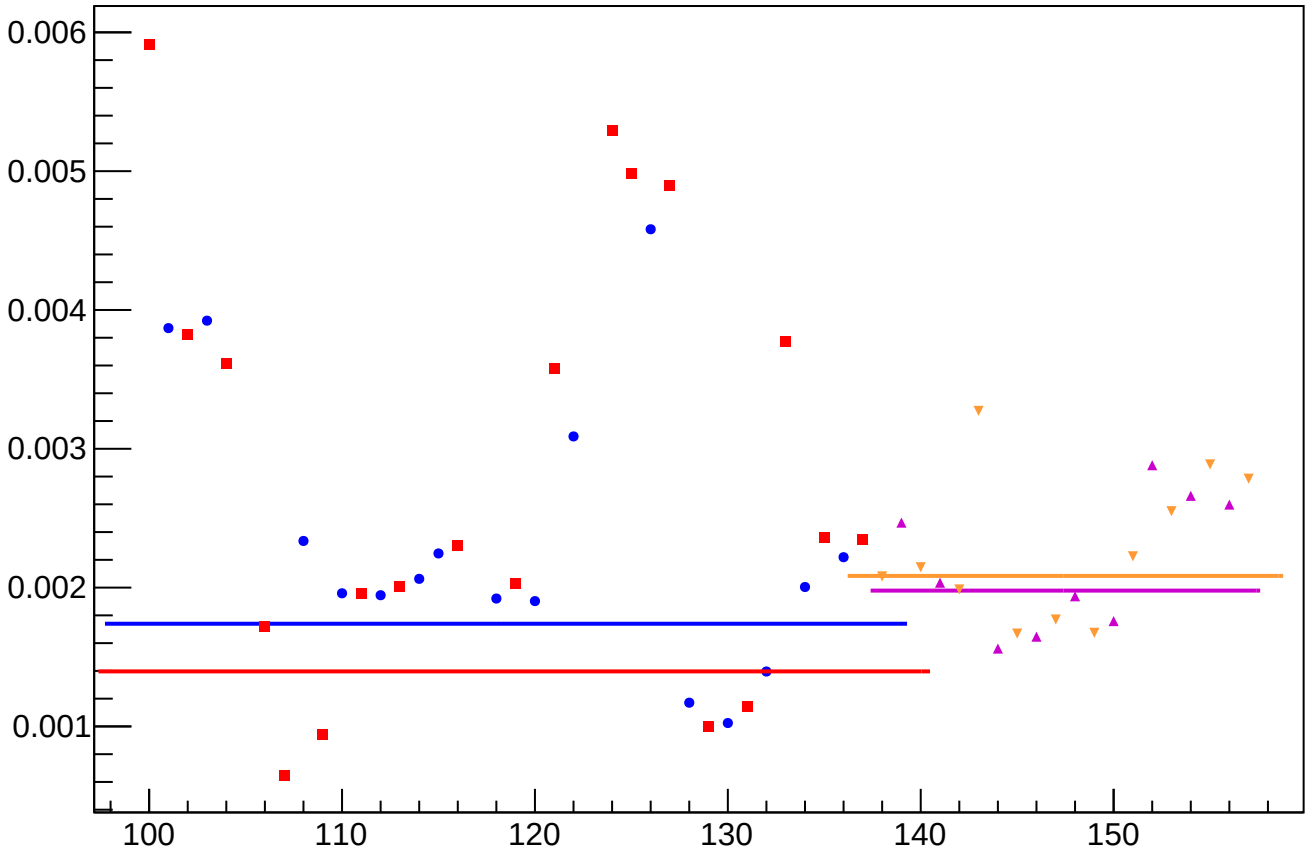
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/26

All: 0.000+/-0.000 χ^2/NDF: 62.3/54

- sign 0.000+/-0.000 χ^2/NDF: 20.8/27



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:763300.1/10

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

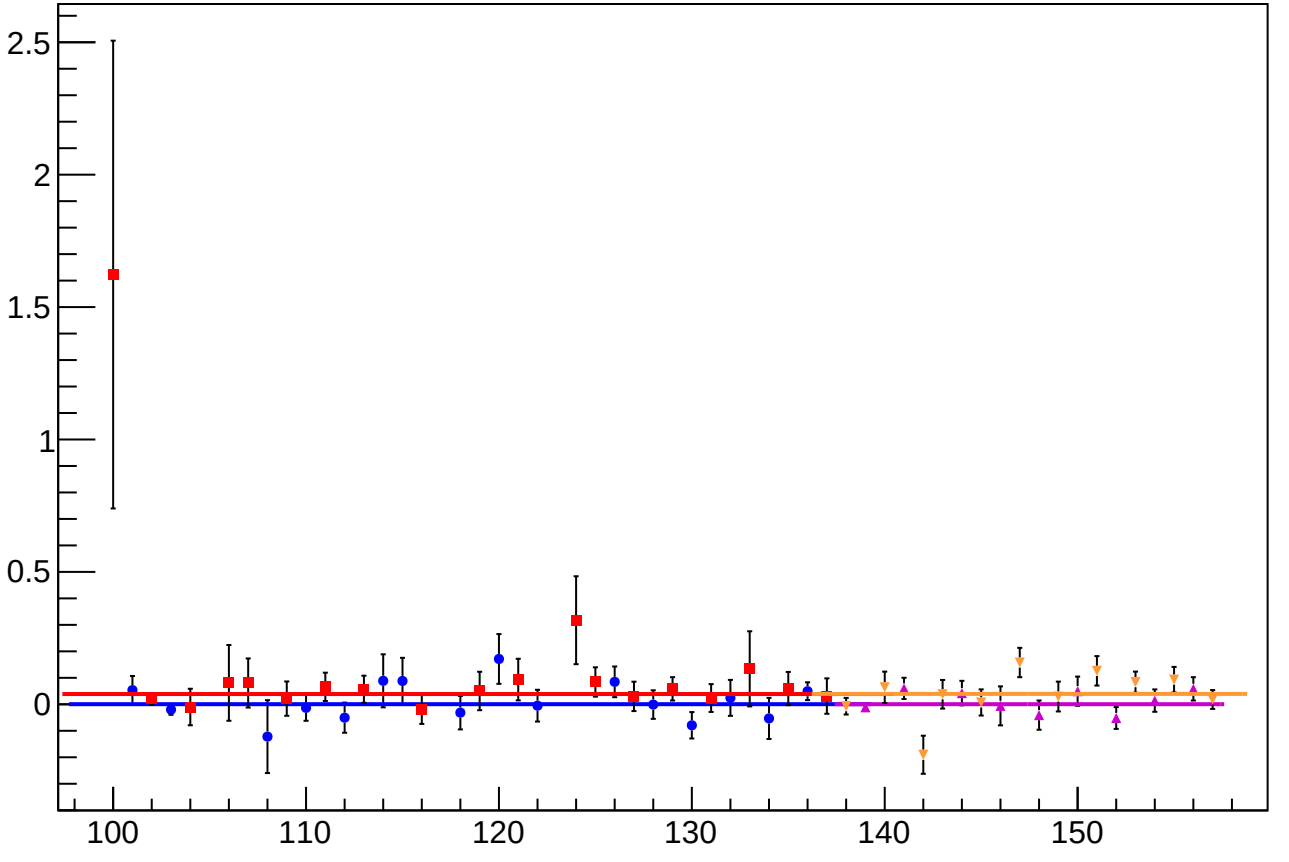
Left In: 0.002+/-0.000 χ^2/NDF:669411.5/8

+ sign 0.002+/-0.000 χ^2/NDF: 3137567.7/26

All: 0.002+/-0.000 χ^2/NDF: 9188684.5/54

- sign 0.002+/-0.000 χ^2/NDF: 5744793.1/27

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

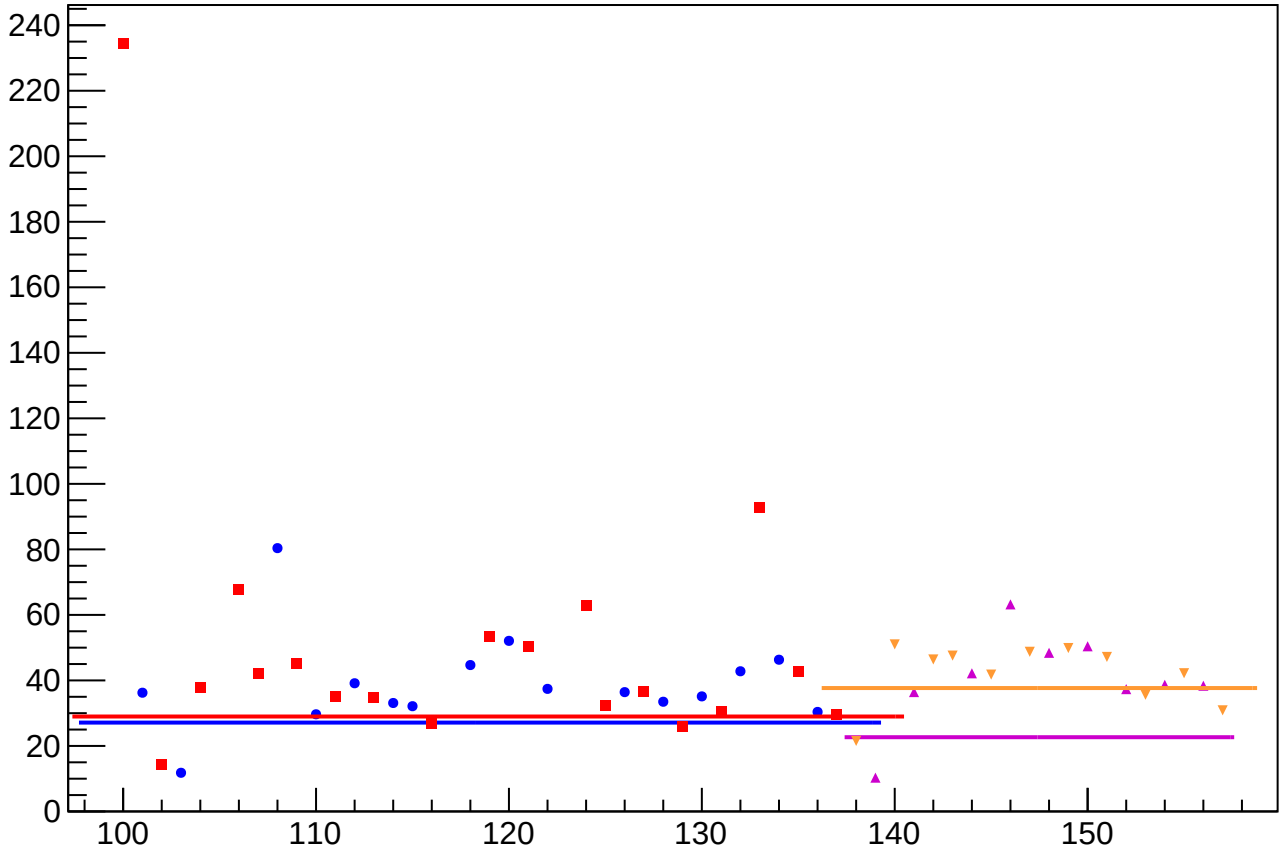
Left In: 0.000+/-0.010 χ^2/NDF:8.6/8

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.016+/-0.006 χ^2/NDF: 68.9/54

- sign 0.016+/-0.008 χ^2/NDF: 25.1/27

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 37.670+/-0.010 χ^2/NDF:1069037.1/10

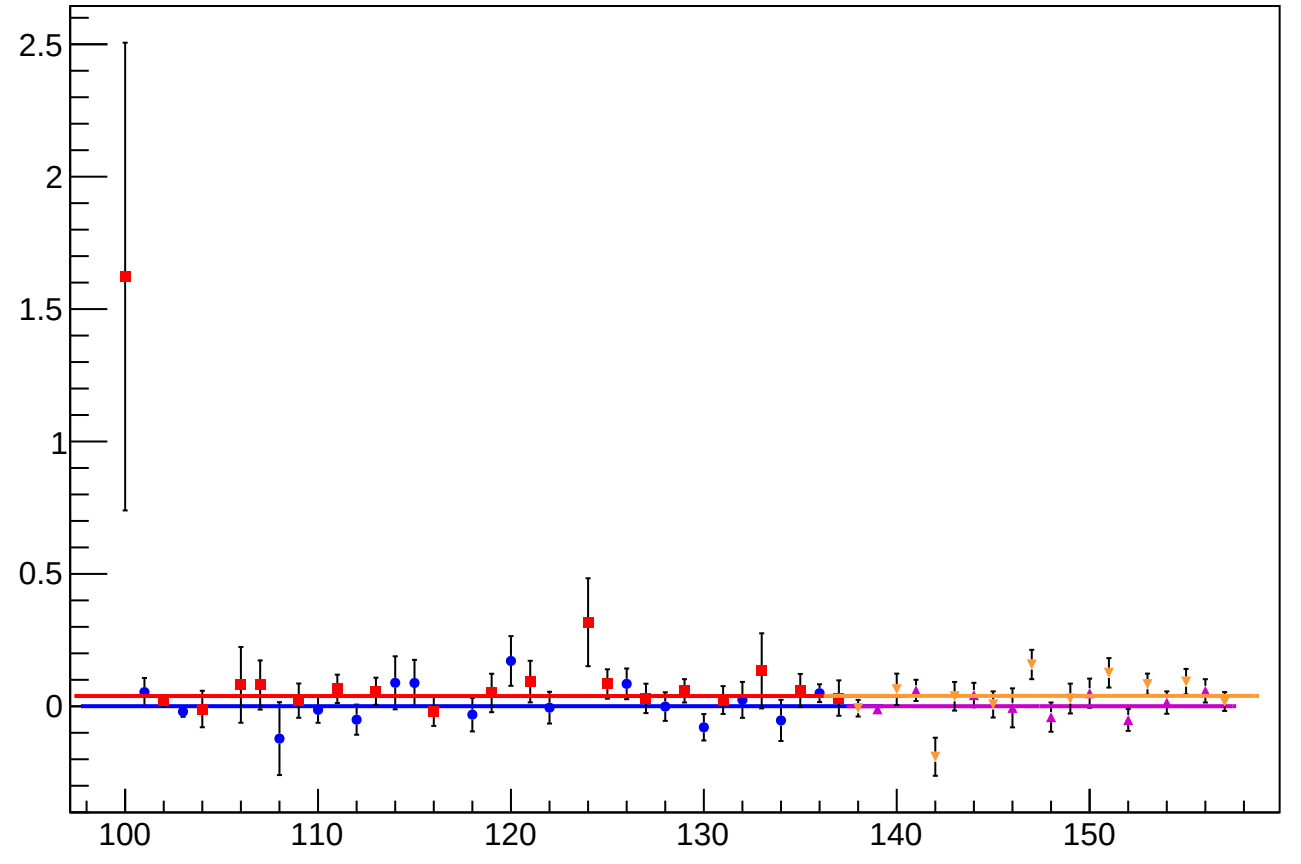
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.664+/-0.007 χ^2/NDF:4624615.5/8

+ sign 31.586+/-0.006 χ^2/NDF: 4133984.5/26

All: 28.011+/-0.004 χ^2/NDF: 12054552.4/54

- sign 25.233+/-0.006 χ^2/NDF: 7376882.5/27



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.039+/-0.014 χ^2/NDF:22.9/10

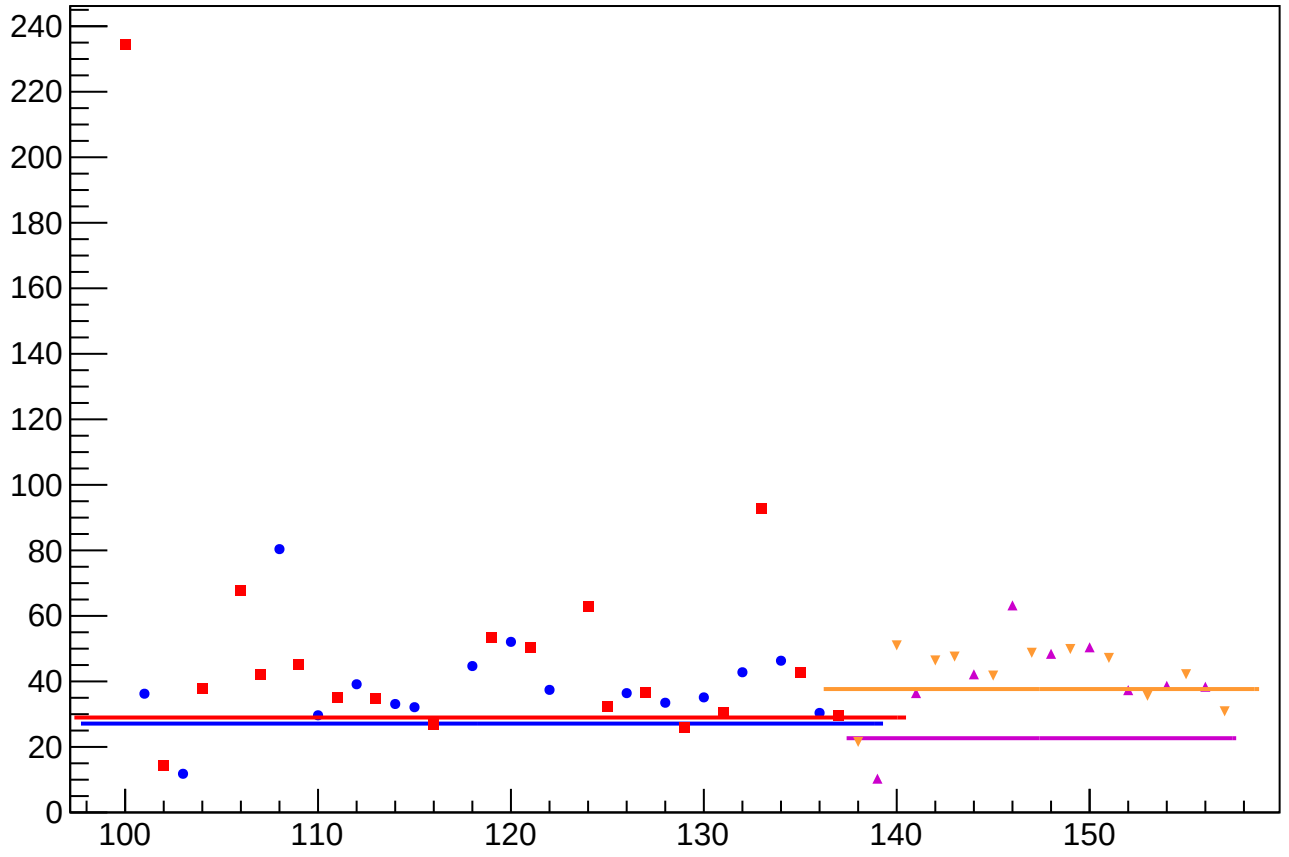
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.010 χ^2/NDF:8.6/8

+ sign 0.017+/-0.009 χ^2/NDF: 43.8/26

All: 0.016+/-0.006 χ^2/NDF: 68.9/54

- sign 0.016+/-0.008 χ^2/NDF: 25.1/27



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 37.670+/-0.010 χ^2/NDF:1069037.1/10

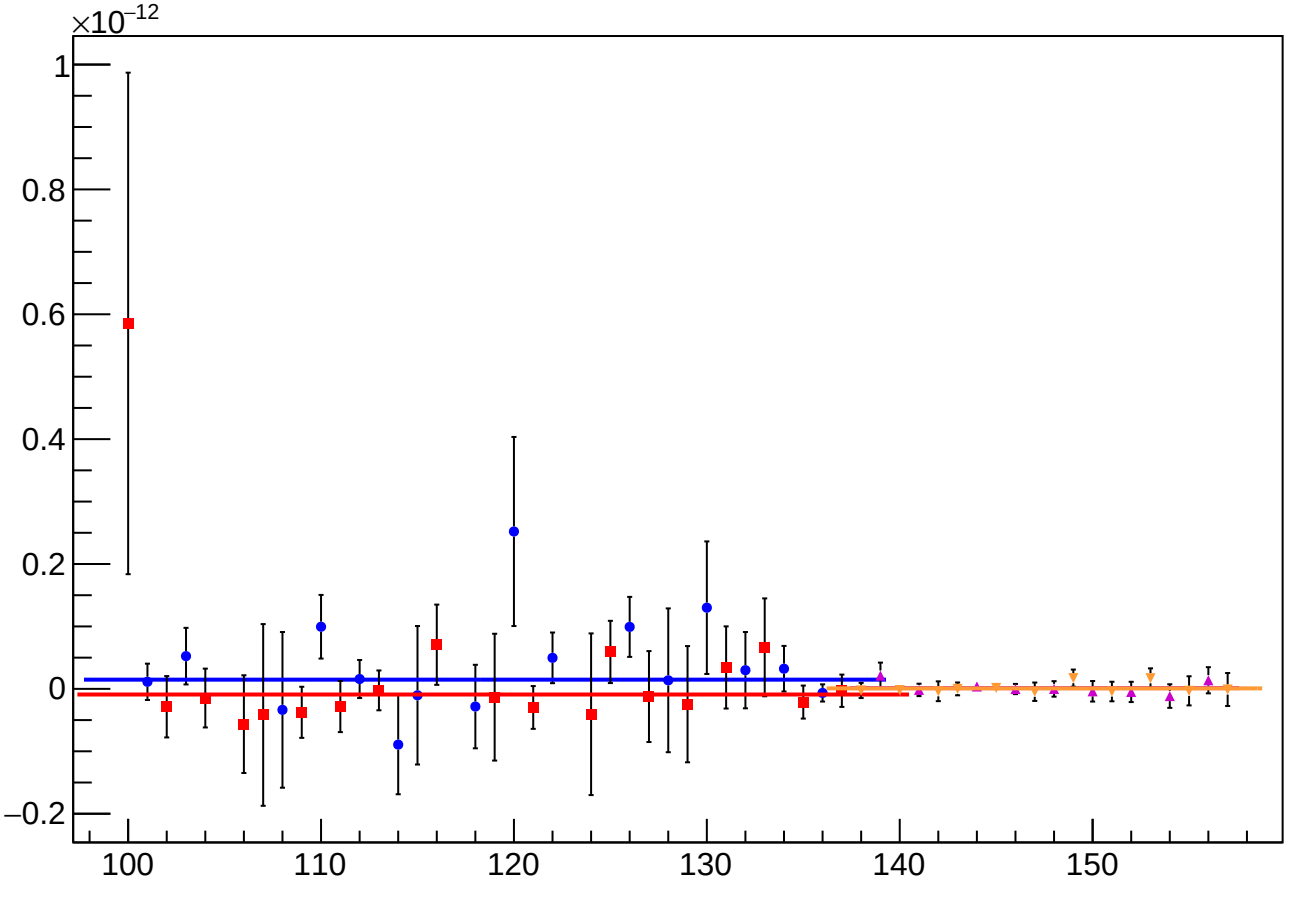
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.664+/-0.007 χ^2/NDF:4624615.5/8

+ sign 31.586+/-0.006 χ^2/NDF: 4133984.5/26

All: 28.011+/-0.004 χ^2/NDF: 12054552.4/54

- sign 25.233+/-0.006 χ^2/NDF: 7376882.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/10

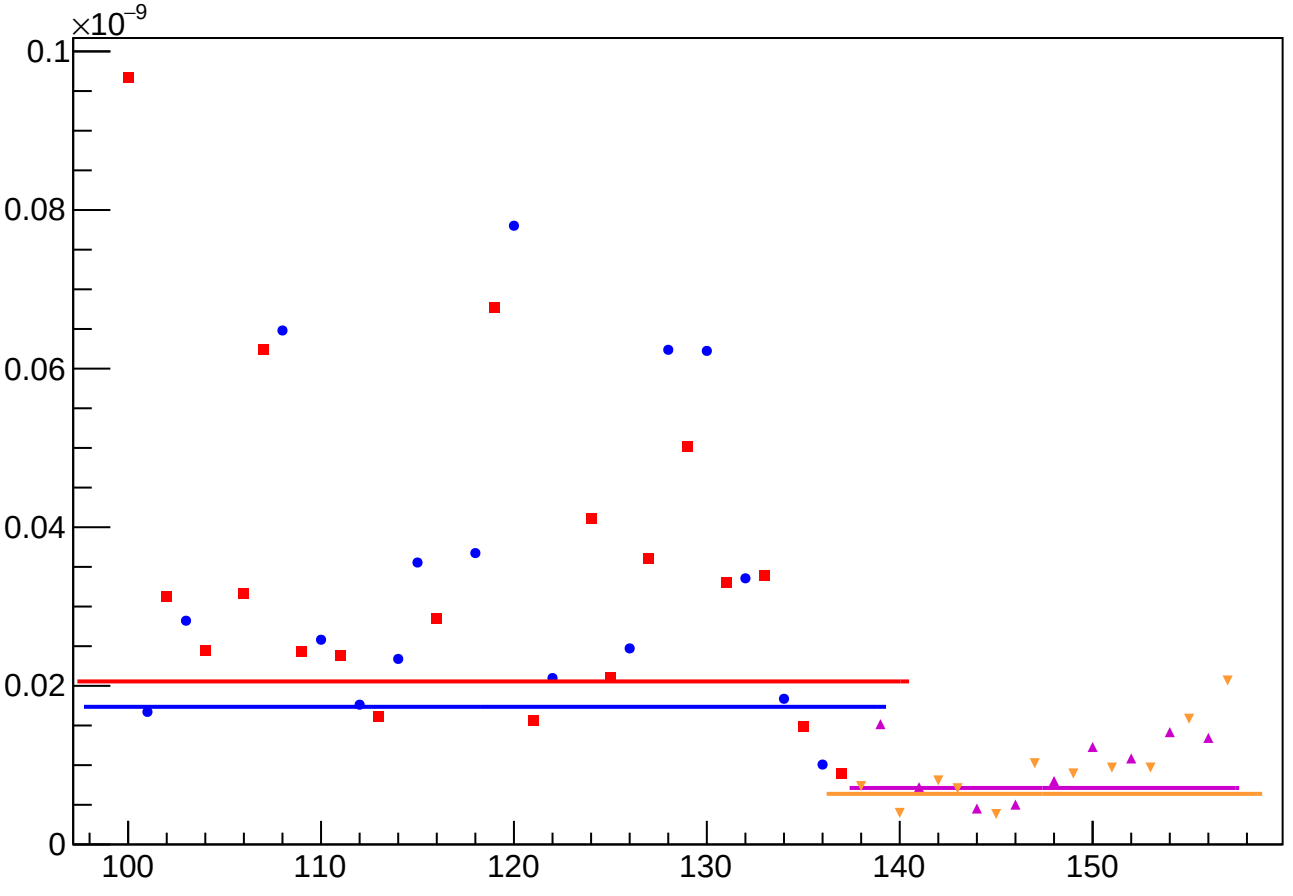
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/26

All: 0.000+/-0.000 χ^2/NDF: 33.3/54

- sign 0.000+/-0.000 χ^2/NDF: 12.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1917739.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

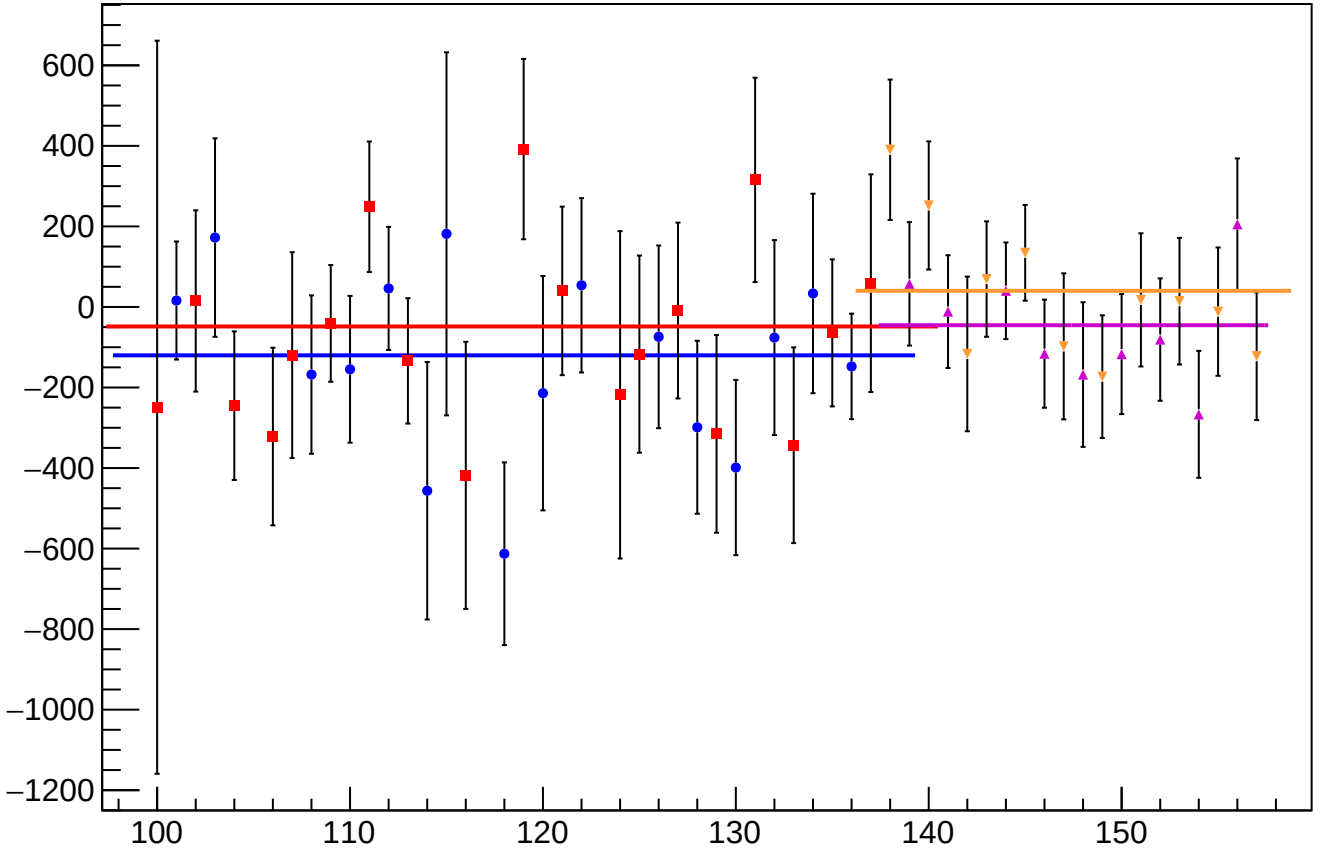
Left In: 0.000+/-0.000 χ^2/NDF:1519811.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 6752263.0/26

All: 0.000+/-0.000 χ^2/NDF: 13024152.4/54

- sign 0.000+/-0.000 χ^2/NDF: 6189888.8/27

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.071+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

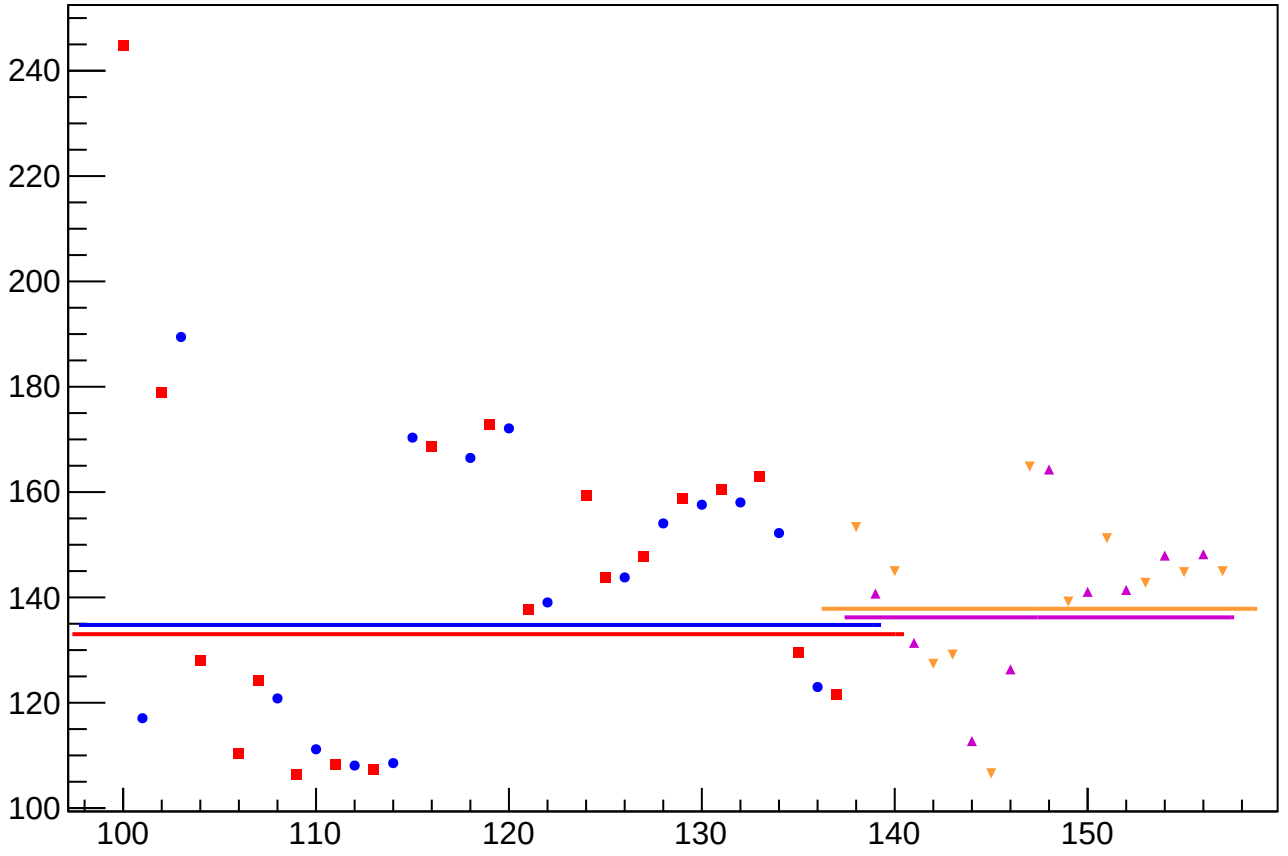
Left In: -45.389+/-49.055 χ^2/NDF:6.4/8

+ sign -33.710+/-34.678 χ^2/NDF: 29.6/26

All: -40.243+/-24.629 χ^2/NDF: 53.0/54

- sign -46.893+/-34.986 χ^2/NDF: 23.4/27

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

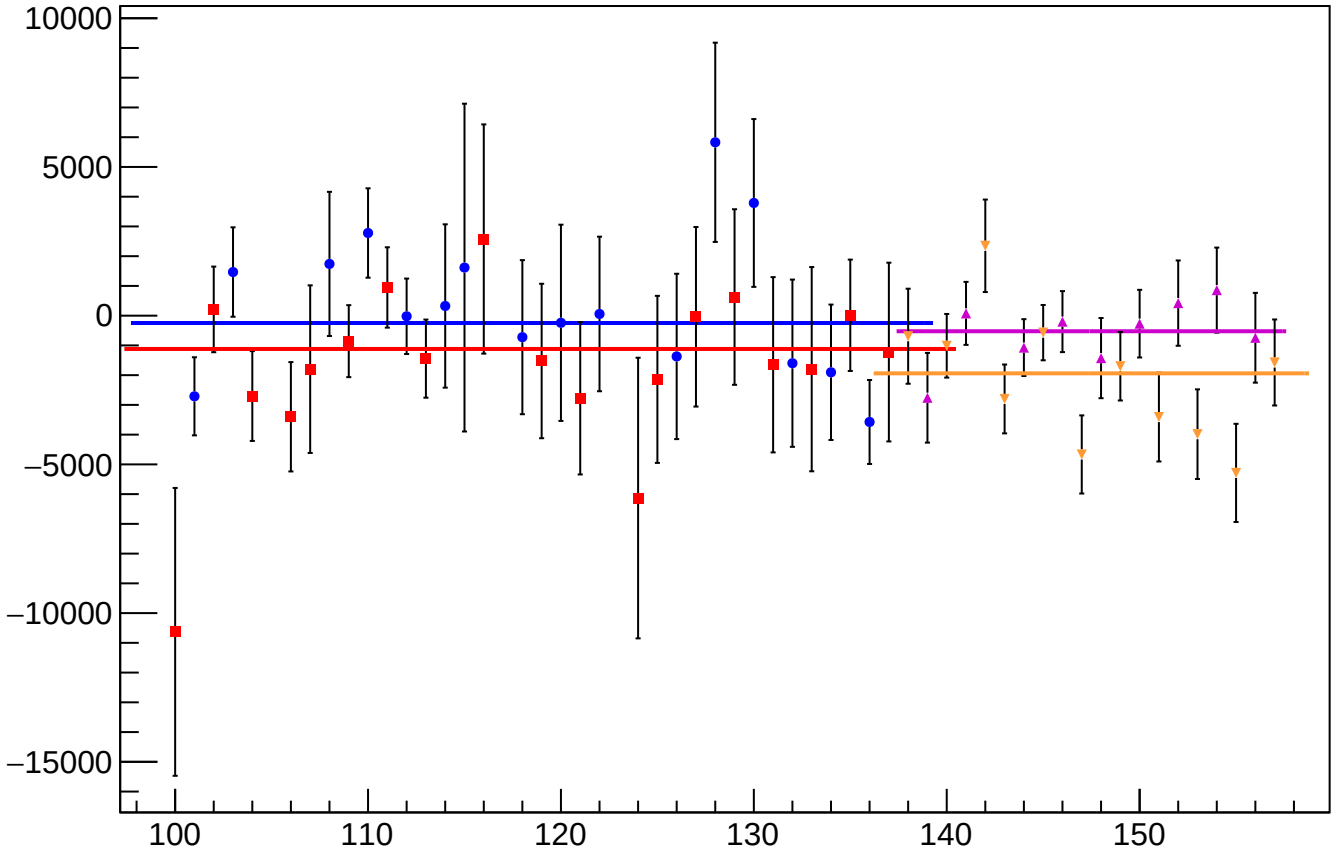
Left In: 136.216+/-0.035 χ^2/NDF:166782.6/8

\+ sign 136.428+/-0.025 χ^2/NDF: 659405.4/26

All: 135.545+/-0.017 χ^2/NDF: 1328698.4/54

\- sign 134.645+/-0.025 χ^2/NDF: 666671.4/27

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1939.352+/-387.730 χ^2/NDF:23.0/10

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

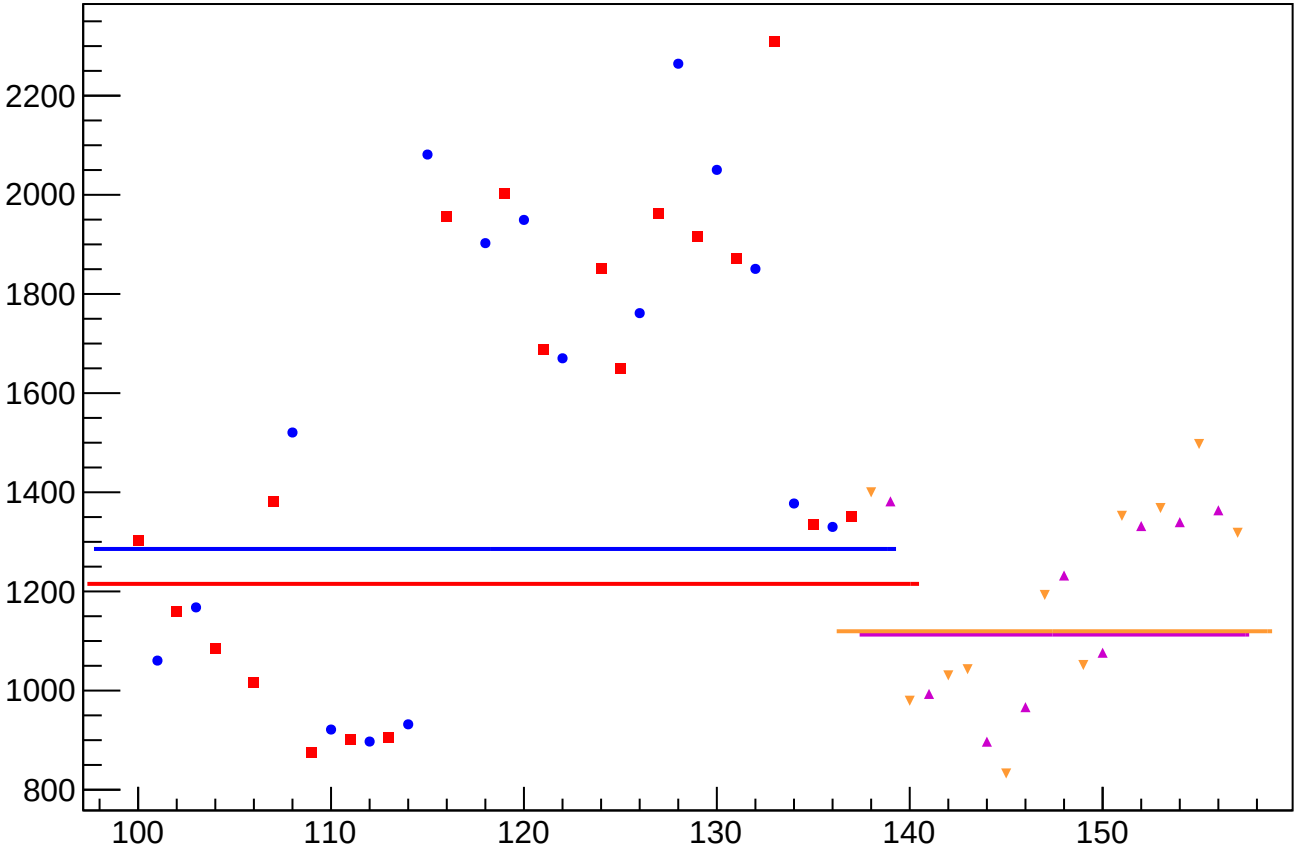
Left In: -523.719+/-404.355 χ^2/NDF:4.8/8

+ sign -1305.834+/-306.724 χ^2/NDF: 51.8/26

All: -1041.408+/-216.659 χ^2/NDF: 72.4/54

- sign -778.090+/-306.081 χ^2/NDF: 19.2/27

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560443.2/10

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

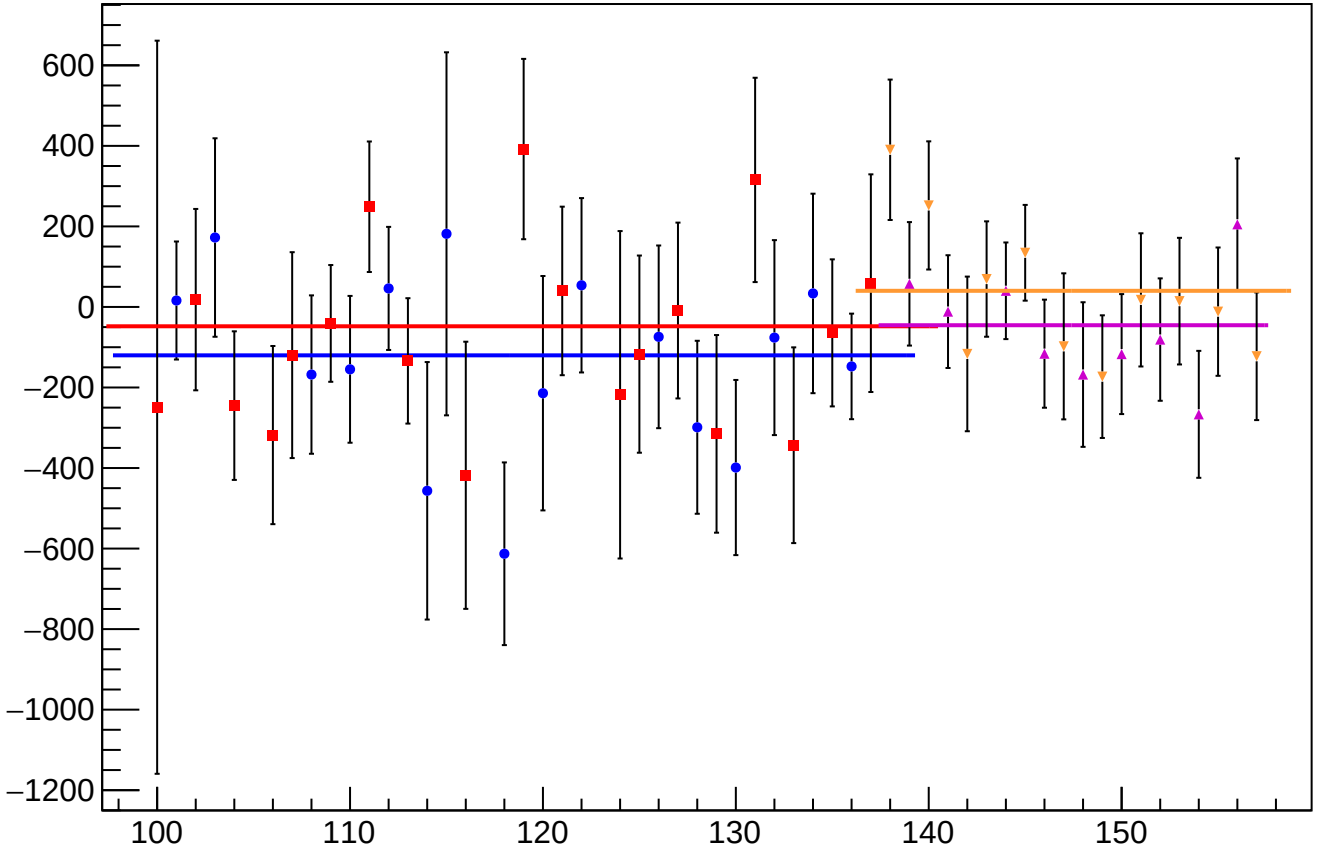
Left In: 1112.964+/-0.286 χ^2/NDF:401831.1/8

+ sign 1181.784+/-0.217 χ^2/NDF: 1868063.8/26

All: 1169.184+/-0.153 χ^2/NDF: 3717555.5/54

- sign 1156.636+/-0.216 χ^2/NDF: 1842755.4/27

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

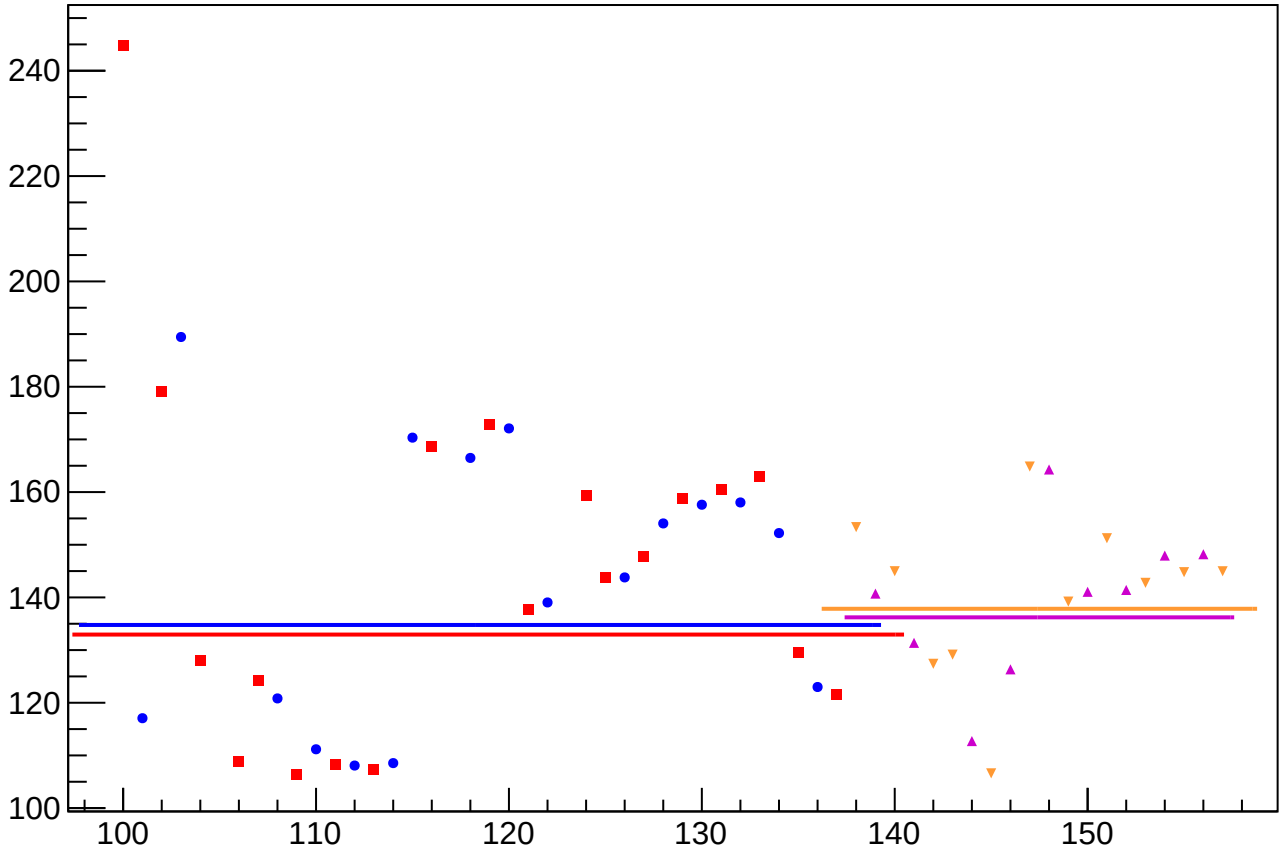
Left In: -45.391+/-49.055 χ^2/NDF:6.4/8

+ sign -33.712+/-34.678 χ^2/NDF: 29.6/26

All: -40.138+/-24.630 χ^2/NDF: 53.0/54

- sign -46.679+/-34.989 χ^2/NDF: 23.3/27

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

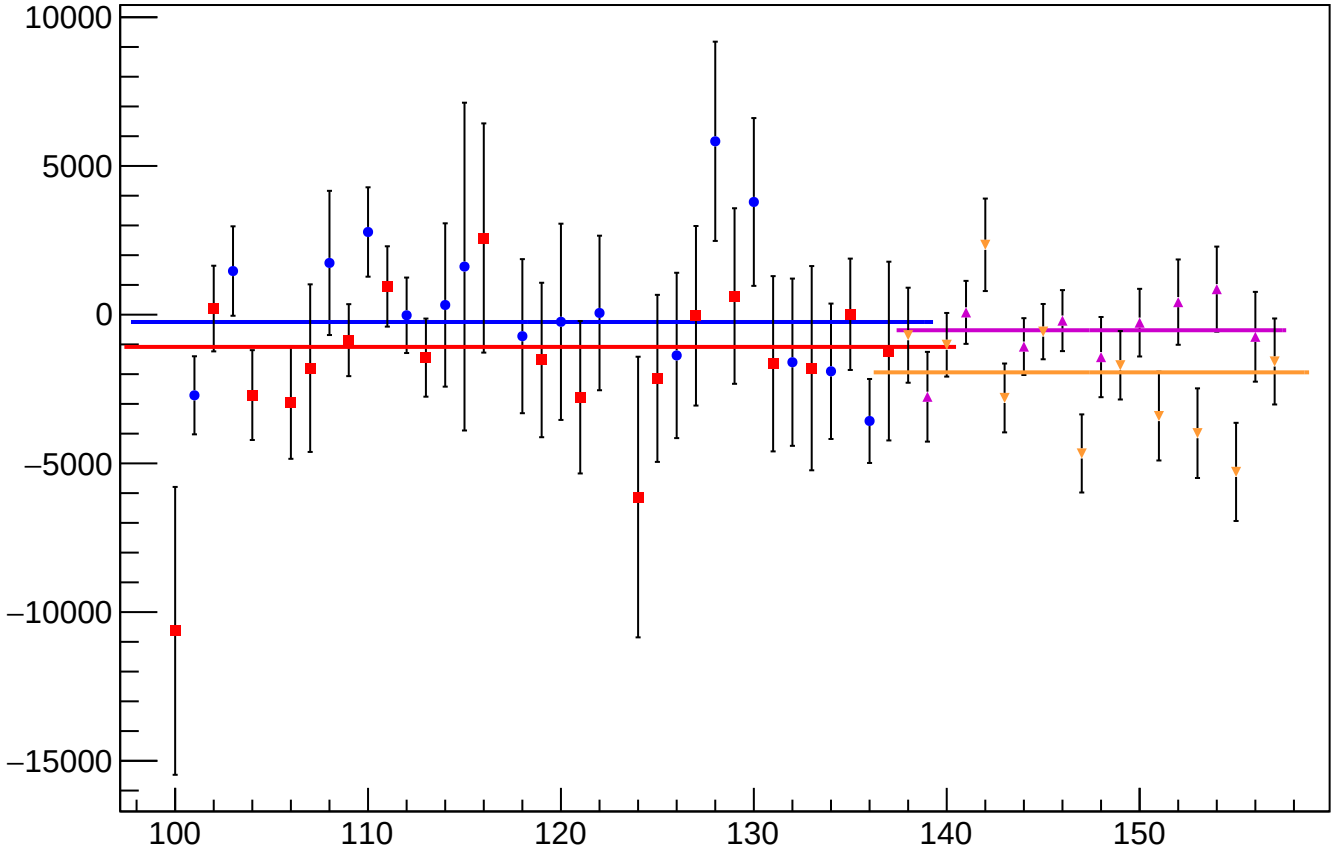
Left In: 136.216+/-0.035 χ^2/NDF:166782.6/8

+ sign 136.428+/-0.025 χ^2/NDF: 659408.4/26

All: 135.527+/-0.017 χ^2/NDF: 1332129.7/54

- sign 134.610+/-0.025 χ^2/NDF: 669995.2/27

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1939.345+/-387.730 χ^2/NDF:23.0/10

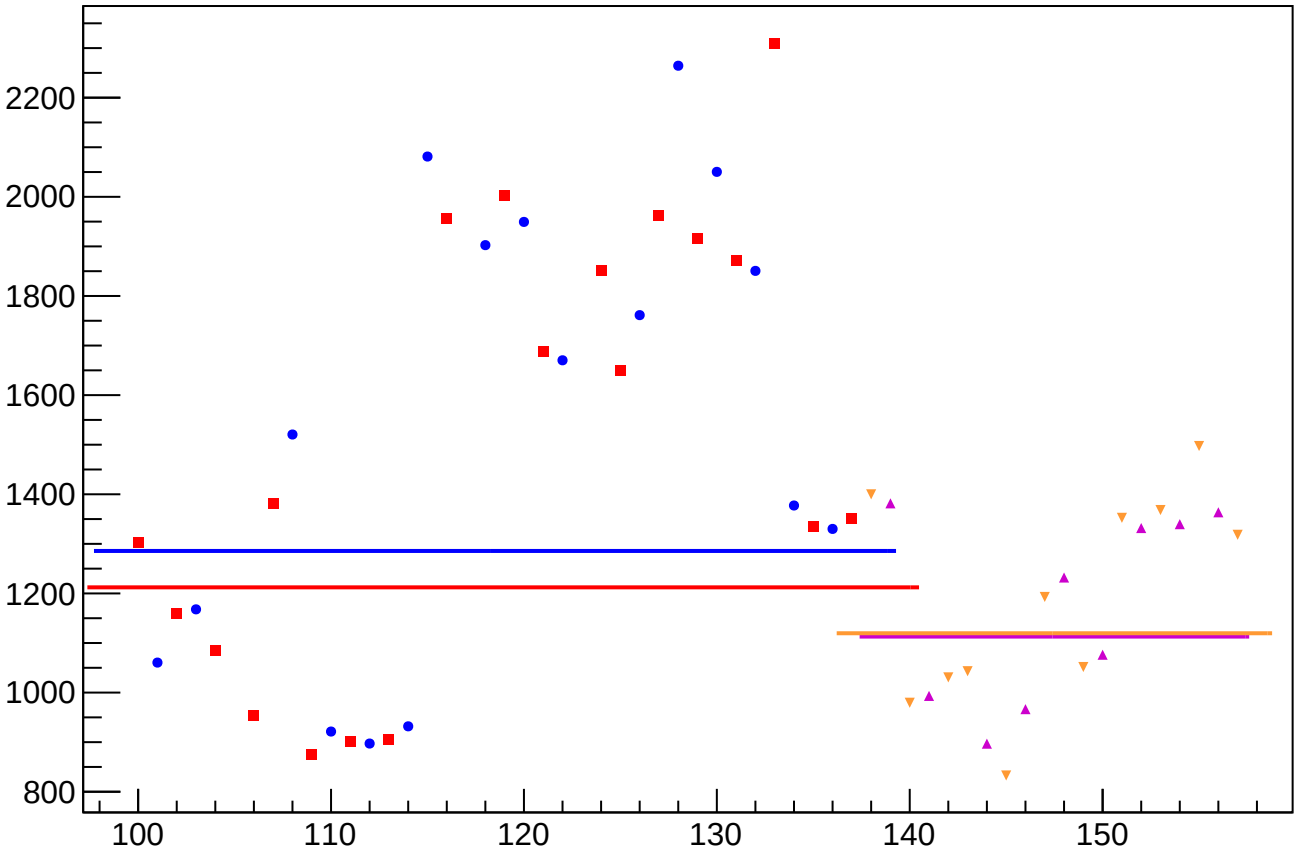
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -523.729+/-404.355 χ^2/NDF:4.8/8

+ sign -1305.864+/-306.725 χ^2/NDF: 51.8/26

All: -1033.825+/-216.750 χ^2/NDF: 71.8/54

- sign -762.471+/-306.338 χ^2/NDF: 18.4/27



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

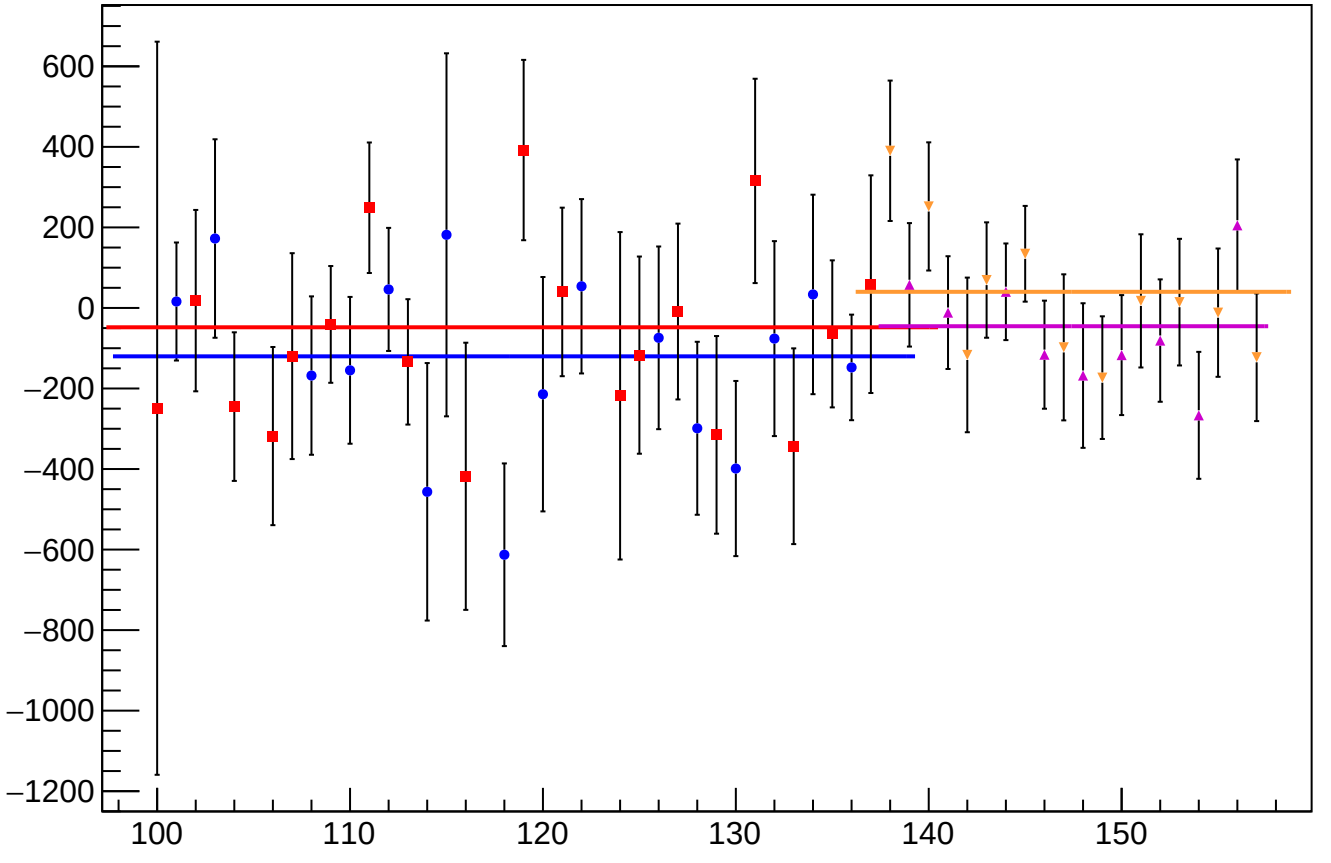
Left In: 1112.965+/-0.286 χ^2/NDF:401828.9/8

+ sign 1181.788+/-0.217 χ^2/NDF: 1868062.6/26

All: 1168.515+/-0.153 χ^2/NDF: 3729406.5/54

- sign 1155.276+/-0.217 χ^2/NDF: 1853863.3/27

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 40.076+/-47.211 χ^2/NDF:10.9/10

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

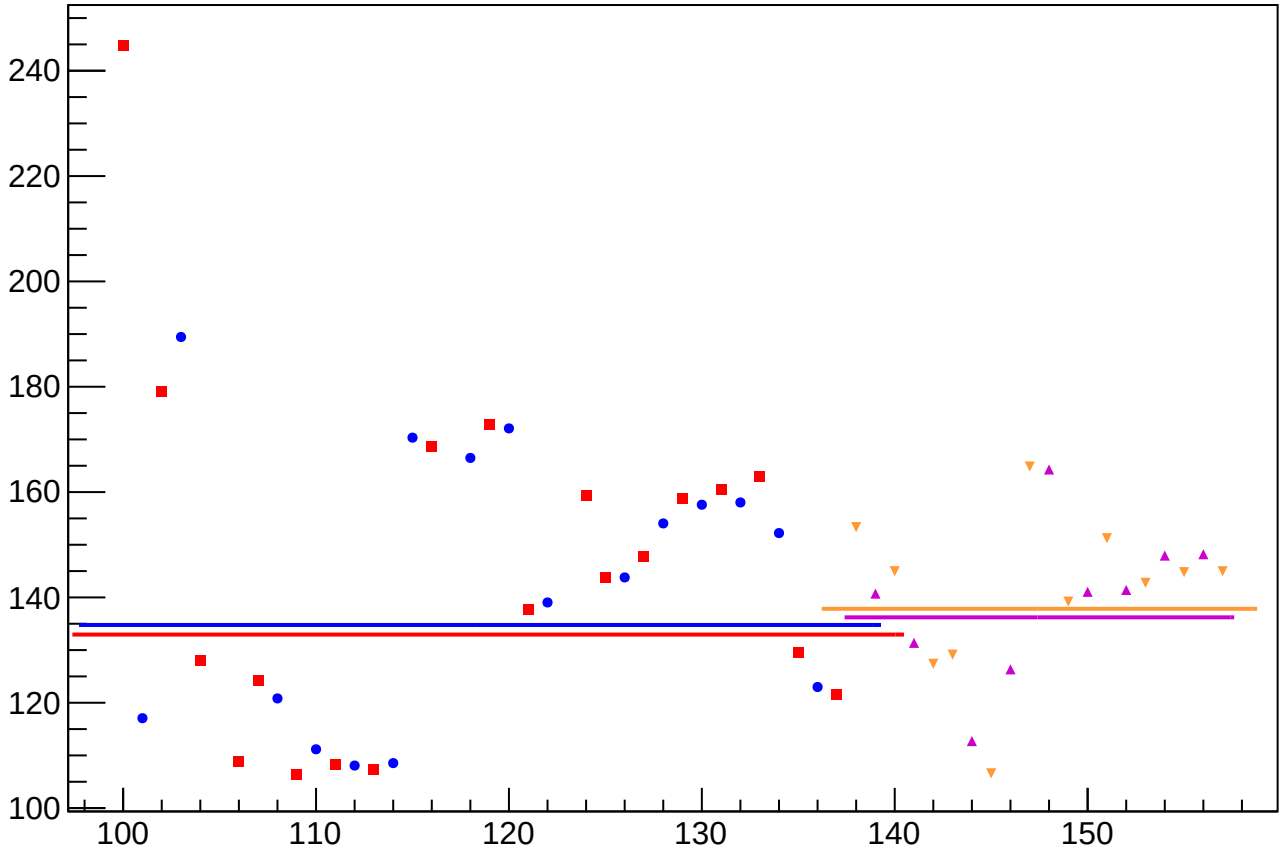
Left In: -45.391+/-49.055 χ^2/NDF:6.4/8

+ sign -33.712+/-34.678 χ^2/NDF: 29.6/26

All: -40.138+/-24.630 χ^2/NDF: 53.0/54

- sign -46.679+/-34.989 χ^2/NDF: 23.3/27

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.843+/-0.033 χ^2/NDF:238728.0/10

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

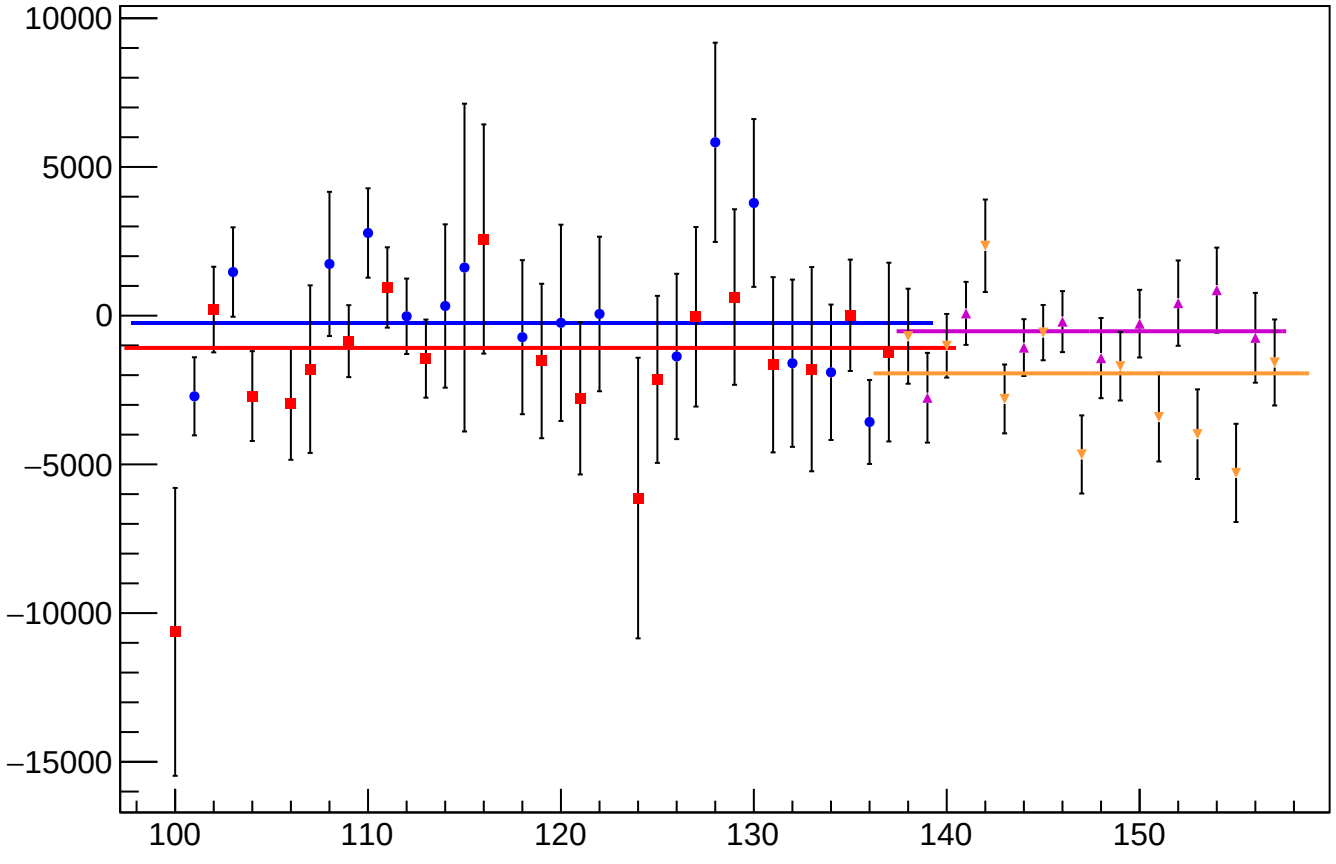
Left In: 136.216+/-0.035 χ^2/NDF:166782.6/8

+ sign 136.428+/-0.025 χ^2/NDF: 659408.4/26

All: 135.527+/-0.017 χ^2/NDF: 1332129.7/54

- sign 134.610+/-0.025 χ^2/NDF: 669995.2/27

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1939.345+/-387.730 χ^2/NDF:23.0/10

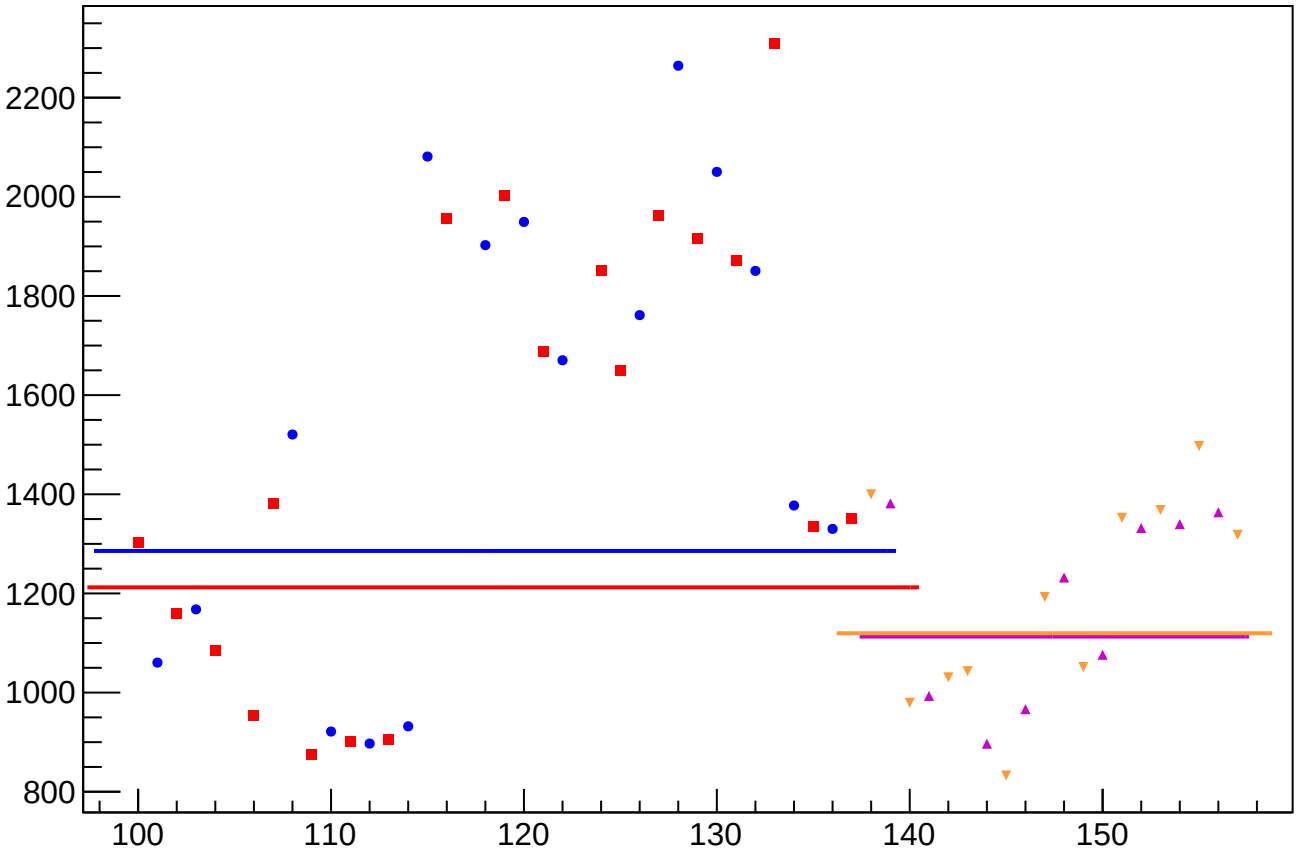
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -523.729+/-404.355 χ^2/NDF:4.8/8

+ sign -1305.864+/-306.725 χ^2/NDF: 51.8/26

All: -1033.825+/-216.750 χ^2/NDF: 71.8/54

- sign -762.471+/-306.338 χ^2/NDF: 18.4/27



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1119.666+/-0.274 χ^2/NDF:560445.7/10

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

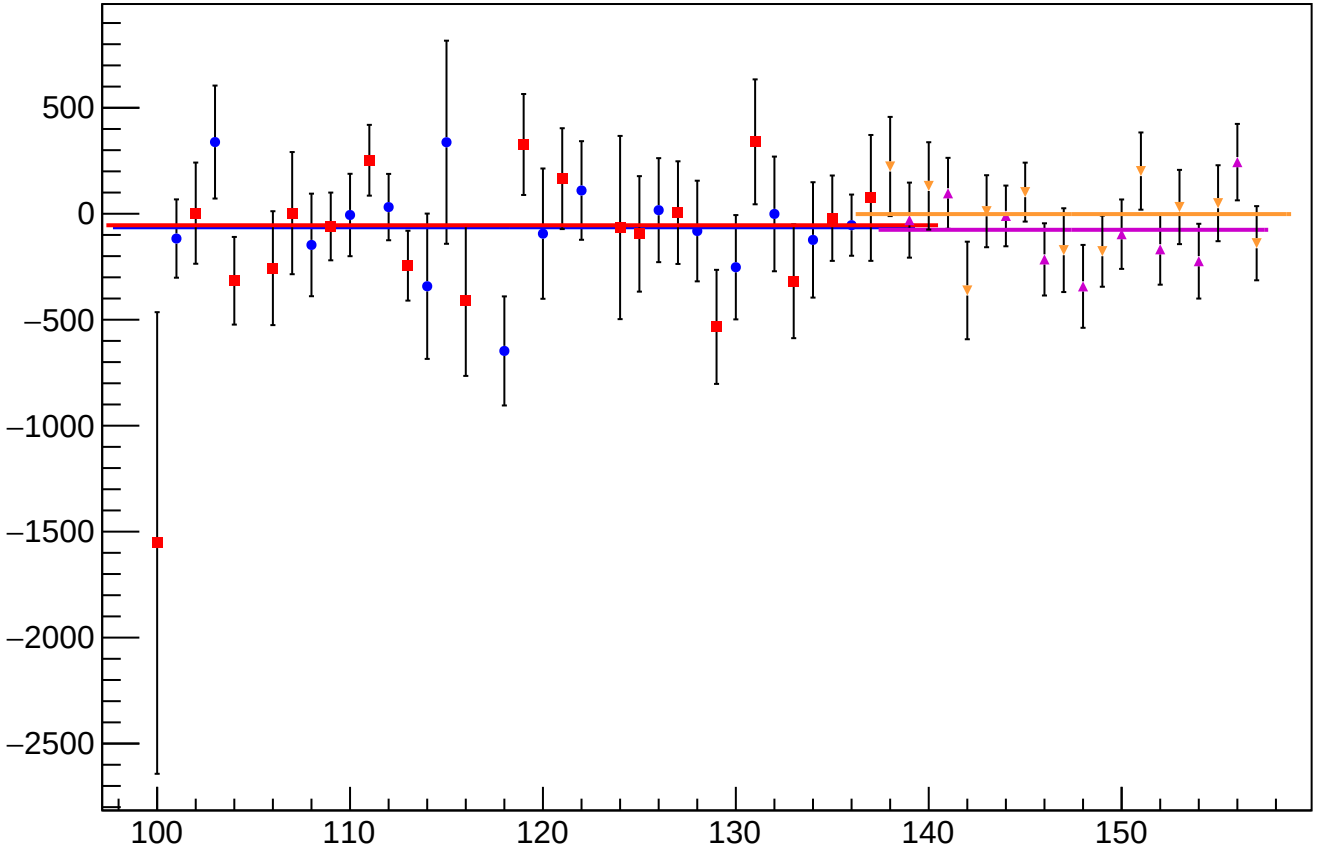
Left In: 1112.965+/-0.286 χ^2/NDF:401828.9/8

+ sign 1181.788+/-0.217 χ^2/NDF: 1868062.6/26

All: 1168.515+/-0.153 χ^2/NDF: 3729406.5/54

- sign 1155.276+/-0.217 χ^2/NDF: 1853863.3/27

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: -1.590+/-54.671 χ^2/NDF:8.2/10

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

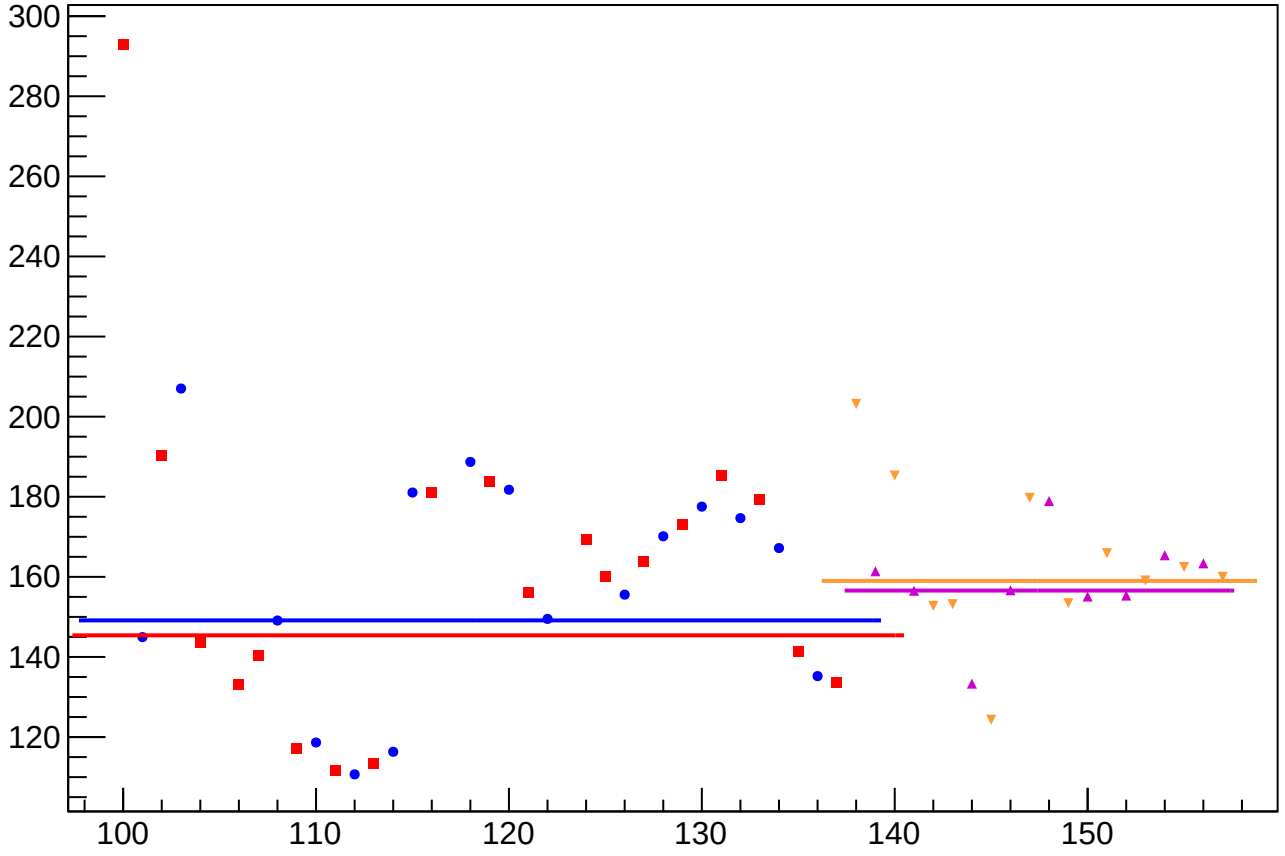
Left In: -75.735+/-56.528 χ^2/NDF:8.0/8

+ sign -31.535+/-39.367 χ^2/NDF: 19.6/26

All: -48.124+/-27.822 χ^2/NDF: 47.6/54

- sign -64.676+/-39.325 χ^2/NDF: 27.6/27

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.989+/-0.039 χ^2/NDF:259786.8/10

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

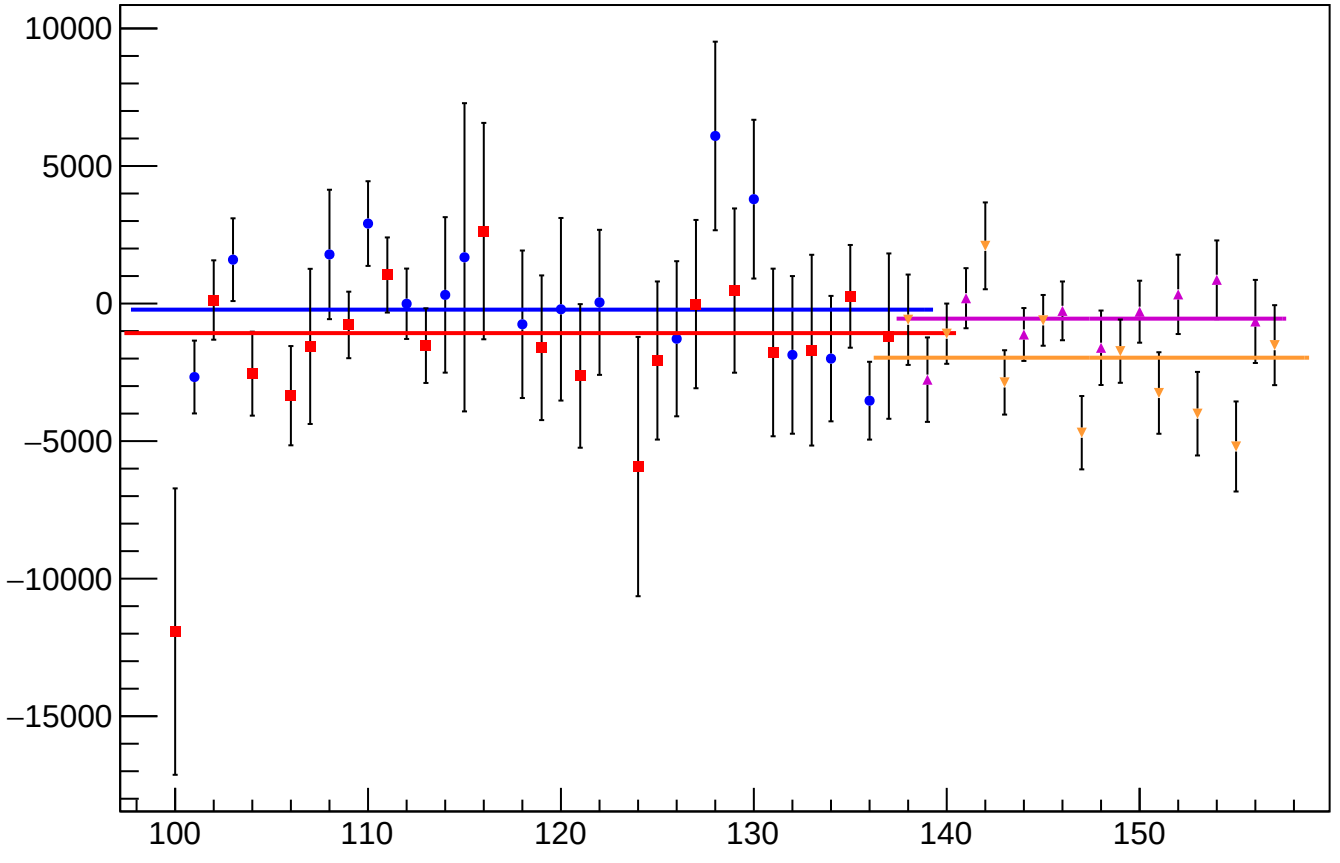
Left In: 156.580+/-0.040 χ^2/NDF:88357.3/8

\+ sign 154.242+/-0.028 χ^2/NDF: 742107.4/26

All: 152.525+/-0.020 χ^2/NDF: 1404272.7/54

\- sign 150.810+/-0.028 χ^2/NDF: 654557.5/27

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1968.111+/-390.288 χ^2/NDF:21.5/10

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

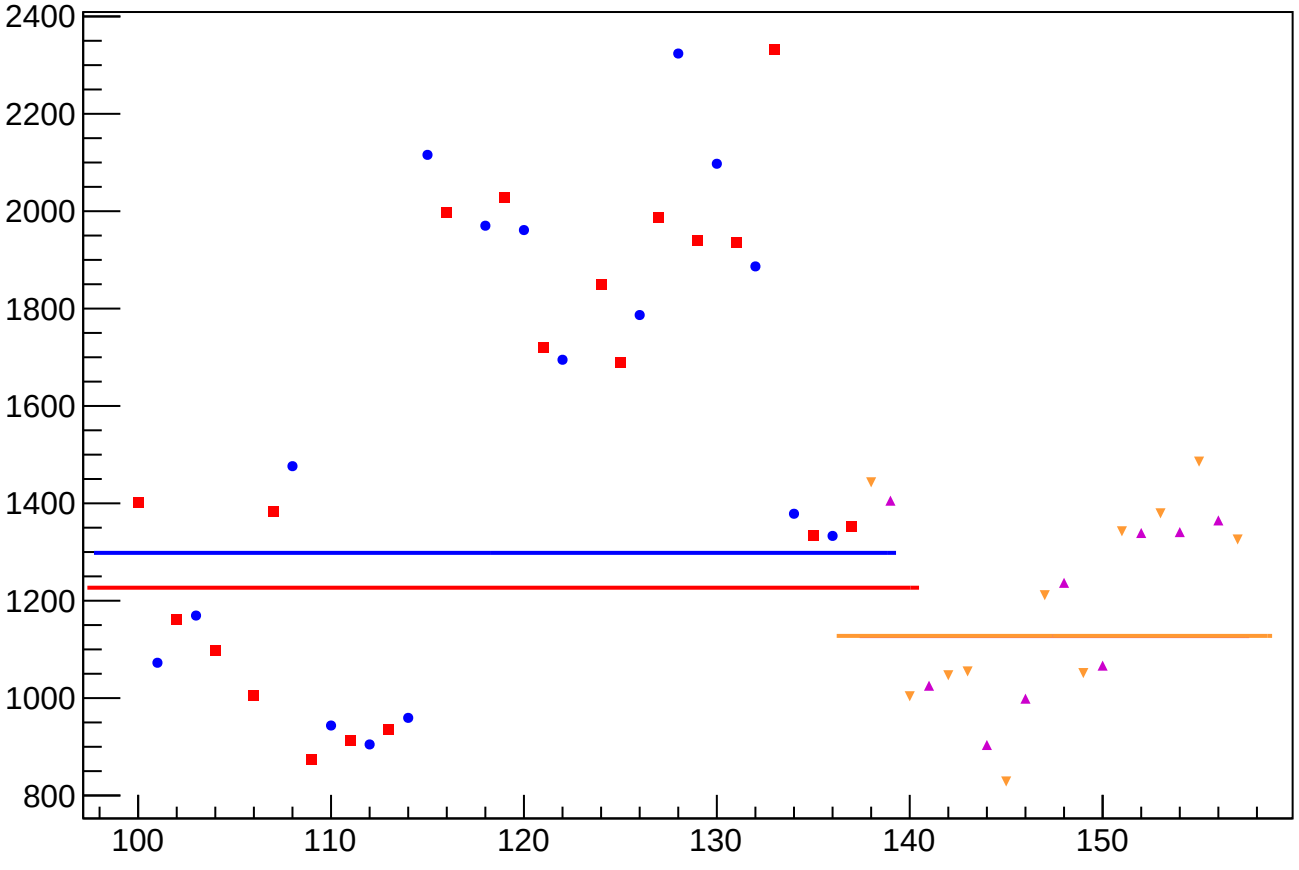
Left In: -549.100+/-409.472 χ^2/NDF:5.0/8

+ sign -1316.827+/-309.085 χ^2/NDF: 50.8/26

All: -1045.926+/-218.714 χ^2/NDF: 71.7/54

- sign -774.243+/-309.531 χ^2/NDF: 19.3/27

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1127.755+/-0.276 χ^2/NDF:568826.5/10

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

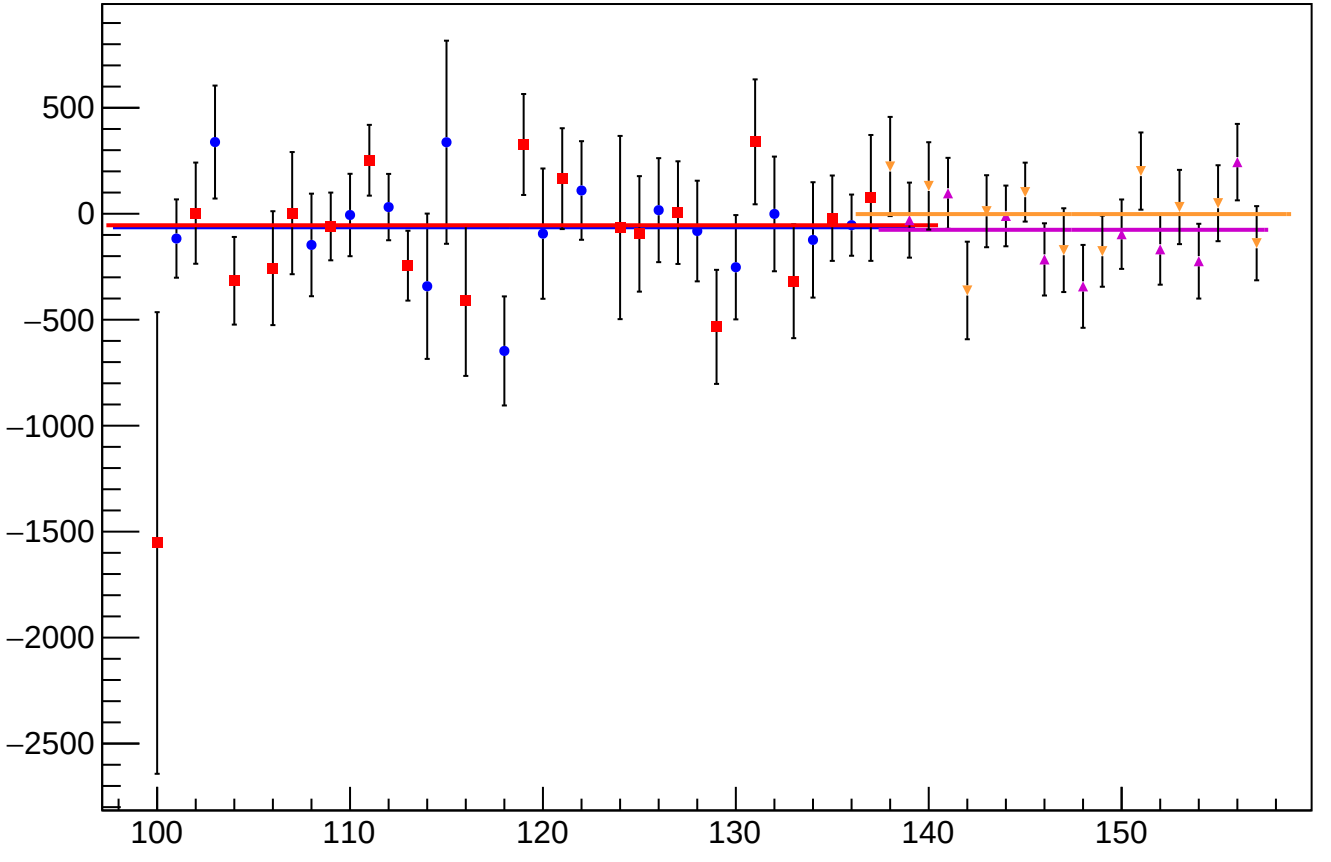
Left In: 1127.395+/-0.290 χ^2/NDF:376412.7/8

+ sign 1191.336+/-0.219 χ^2/NDF: 1893317.6/26

All: 1180.667+/-0.155 χ^2/NDF: 3729467.8/54

- sign 1169.967+/-0.219 χ^2/NDF: 1831376.9/27

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: -1.589+/-54.671 χ^2/NDF:8.2/10

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

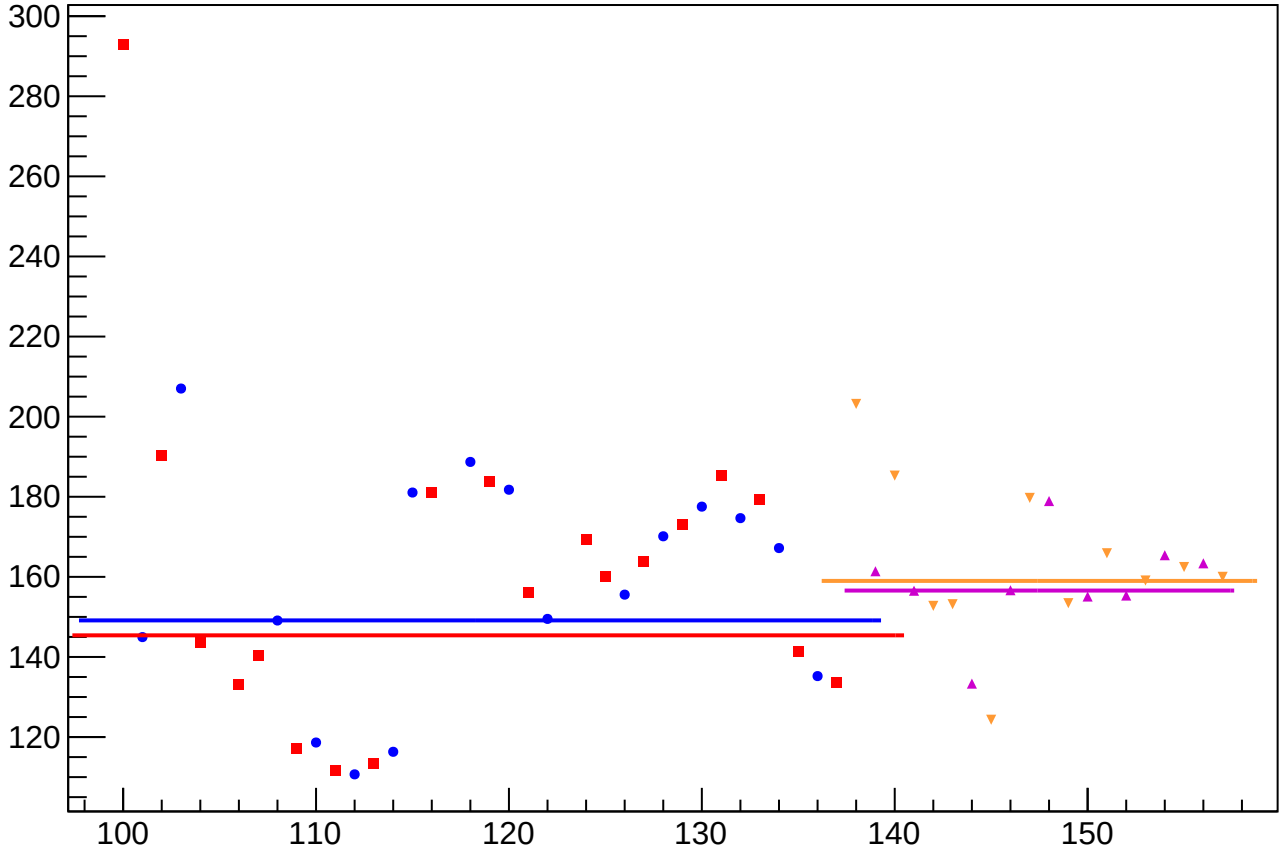
Left In: -75.737+/-56.528 χ^2/NDF:8.0/8

+ sign -31.533+/-39.367 χ^2/NDF: 19.6/26

All: -48.123+/-27.822 χ^2/NDF: 47.6/54

- sign -64.677+/-39.325 χ^2/NDF: 27.6/27

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.990+/-0.039 χ^2/NDF:259780.8/10

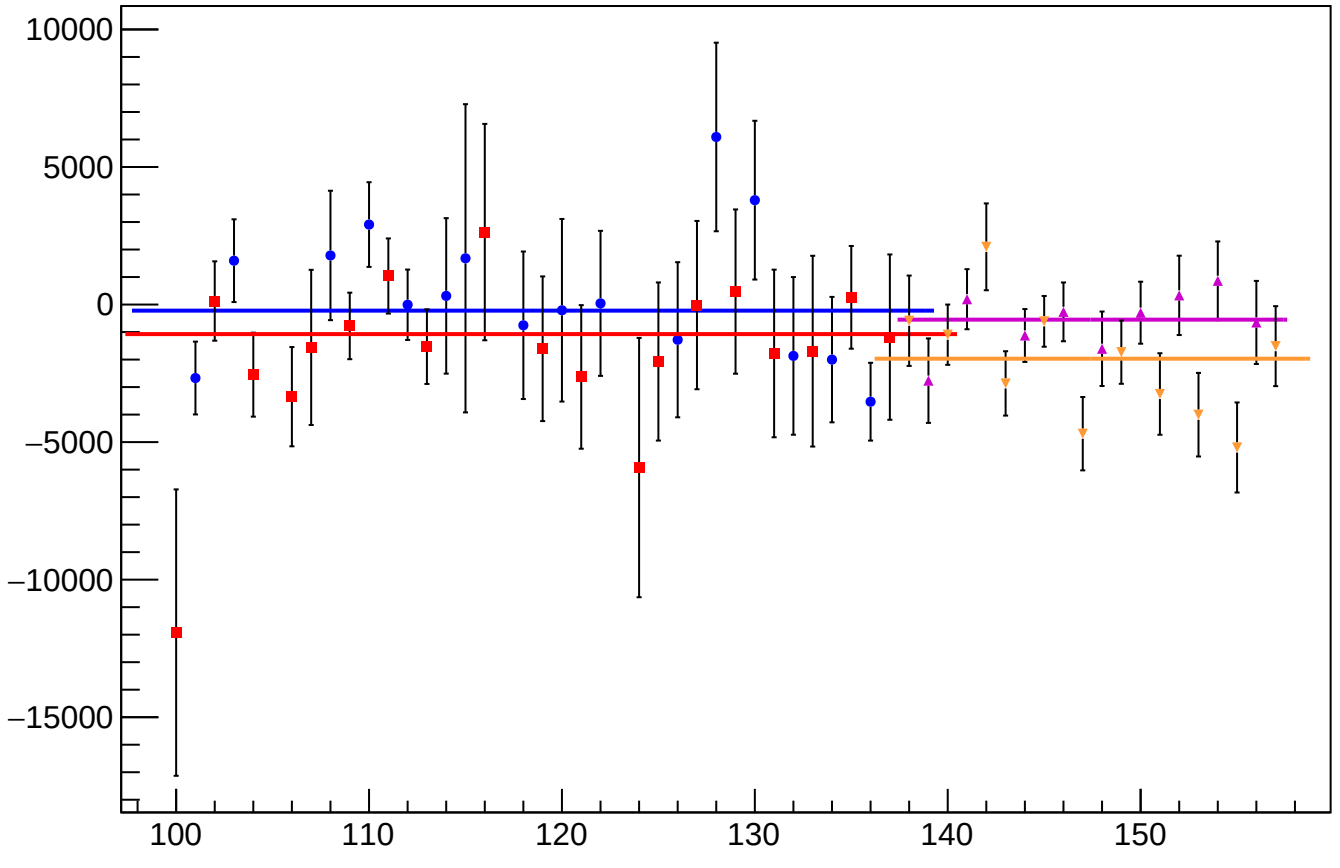
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 156.581+/-0.040 χ^2/NDF:88355.9/8

+ sign 154.243+/-0.028 χ^2/NDF: 742105.6/26

All: 152.525+/-0.020 χ^2/NDF: 1404275.0/54

- sign 150.811+/-0.028 χ^2/NDF: 654561.4/27



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1968.109+/-390.288 χ^2/NDF:21.5/10

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

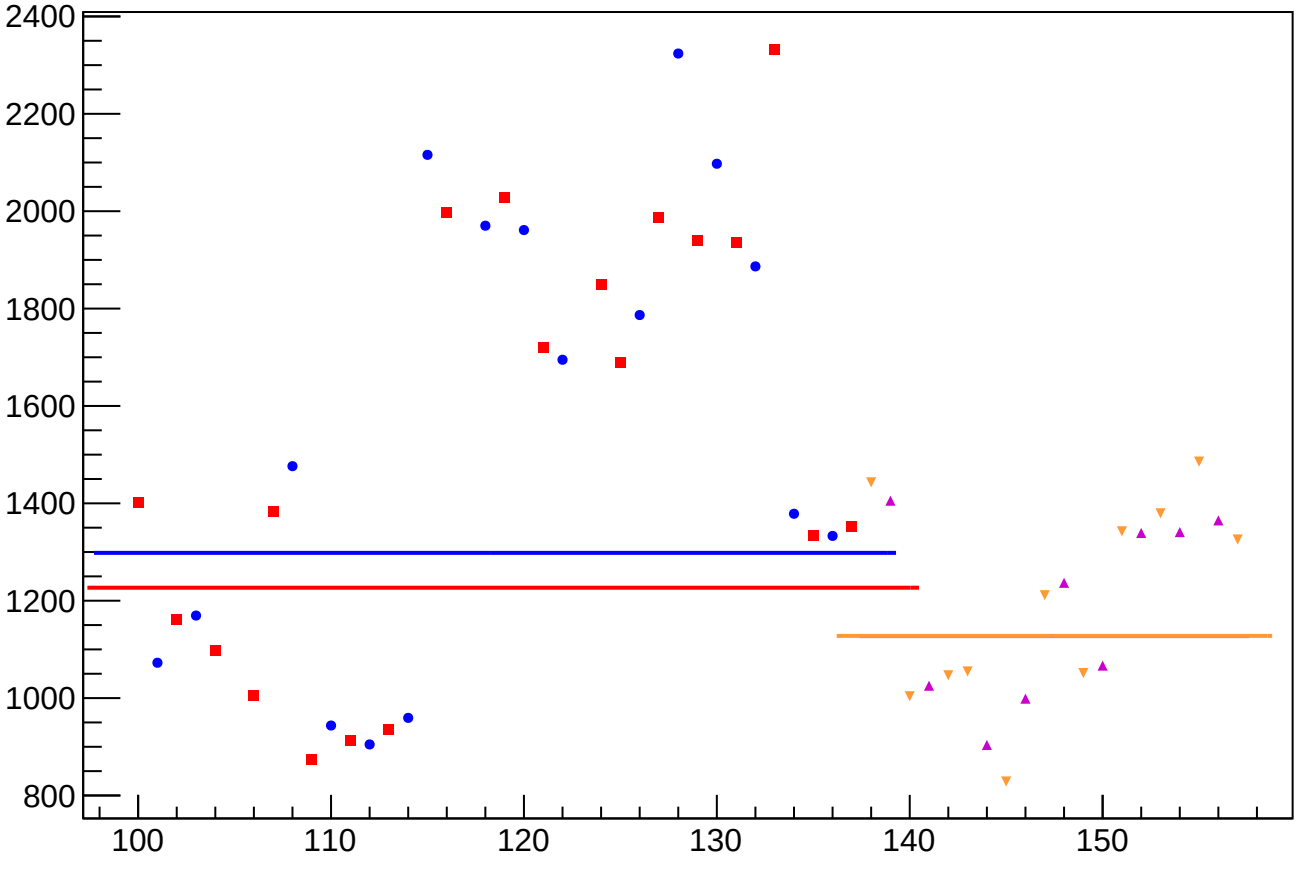
Left In: -549.099+/-409.472 χ^2/NDF:5.0/8

+ sign -1316.825+/-309.085 χ^2/NDF: 50.8/26

All: -1045.925+/-218.714 χ^2/NDF: 71.7/54

- sign -774.242+/-309.531 χ^2/NDF: 19.3/27

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1127.753+/-0.276 χ^2/NDF:568829.2/10

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

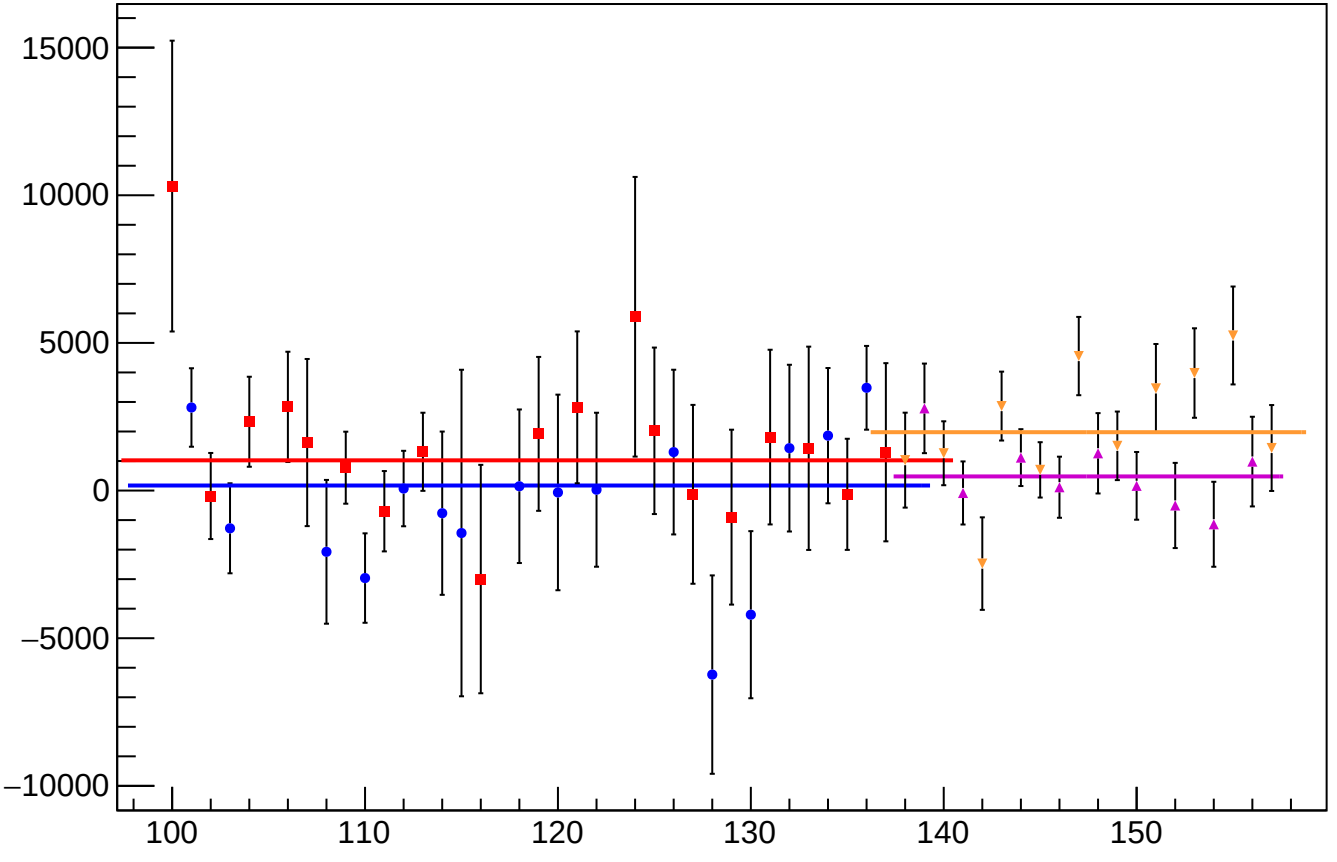
Left In: 1127.394+/-0.290 χ^2/NDF:376411.6/8

+ sign 1191.335+/-0.219 χ^2/NDF: 1893324.9/26

All: 1180.666+/-0.155 χ^2/NDF: 3729476.5/54

- sign 1169.966+/-0.219 χ^2/NDF: 1831378.4/27

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1976.697+/-390.822 χ^2/NDF:22.0/10

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

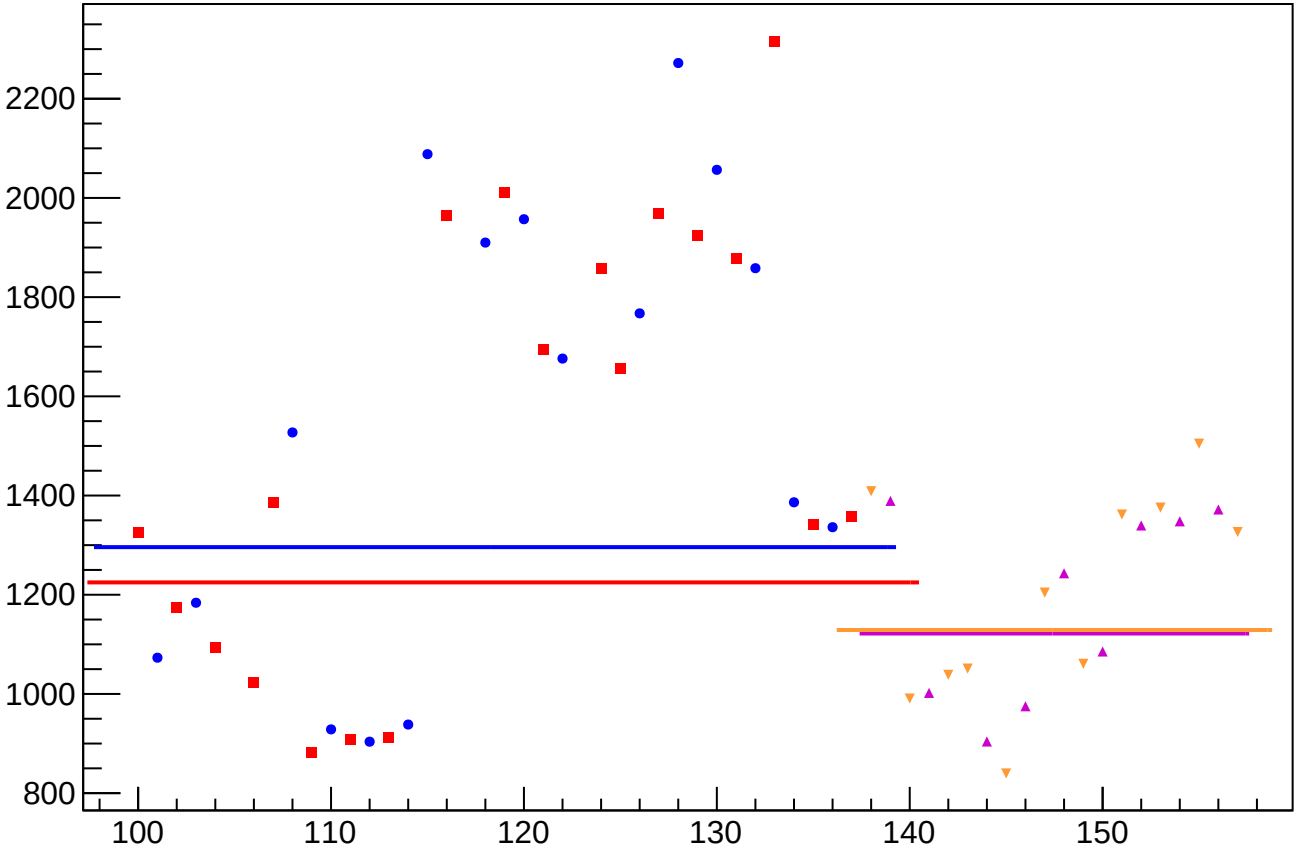
Left In: 478.713+/-407.491 χ^2/NDF:5.4/8

+ sign 1300.567+/-309.106 χ^2/NDF: 52.6/26

All: 1005.376+/-218.338 χ^2/NDF: 72.1/54

- sign 711.441+/-308.448 χ^2/NDF: 17.7/27

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1128.902+/-0.276 χ^2/NDF:553261.4/10

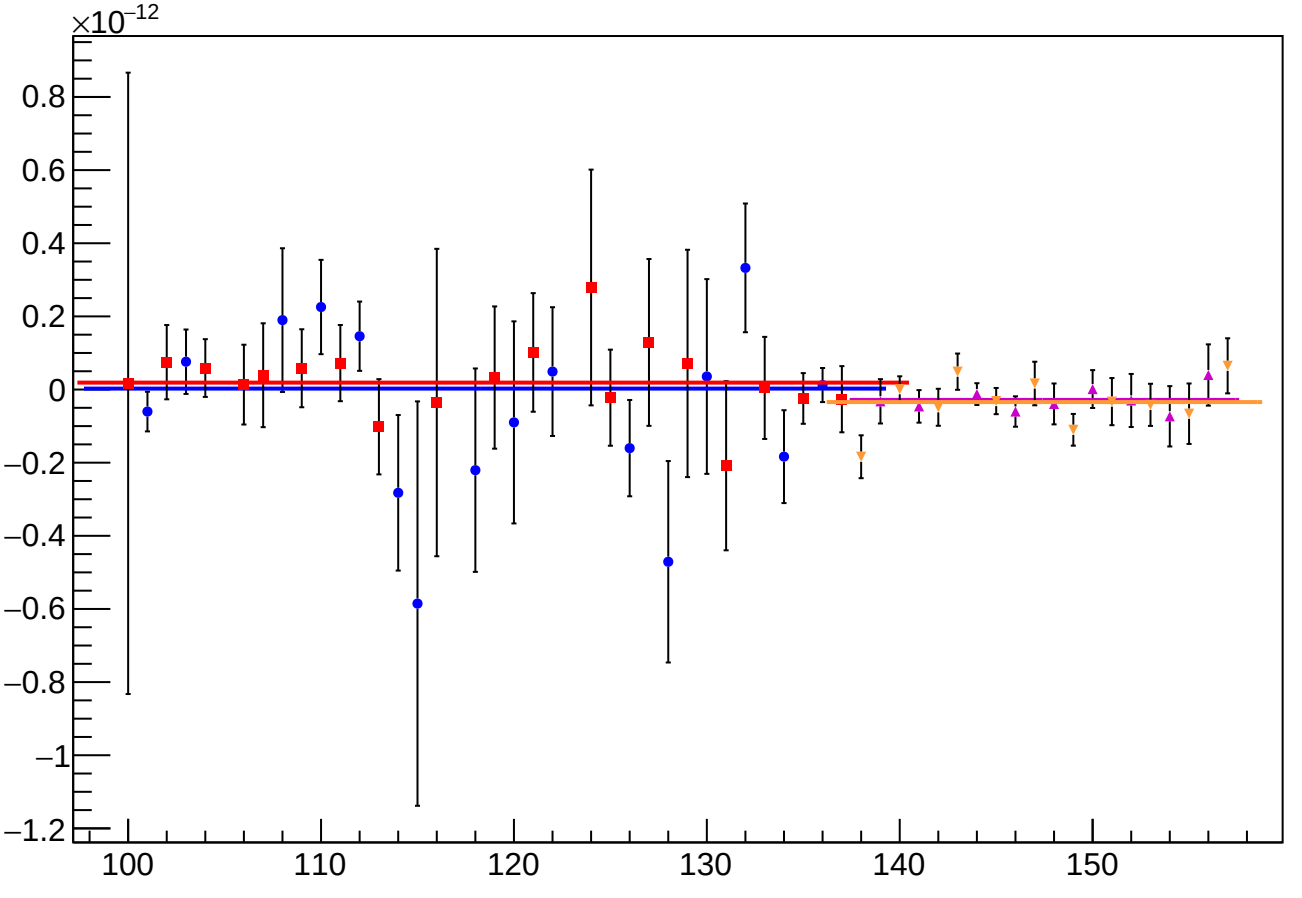
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1121.831+/-0.288 χ^2/NDF:396944.4/8

+ sign 1191.468+/-0.219 χ^2/NDF: 1844330.1/26

All: 1178.623+/-0.154 χ^2/NDF: 3674063.1/54

- sign 1165.833+/-0.218 χ^2/NDF: 1822840.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

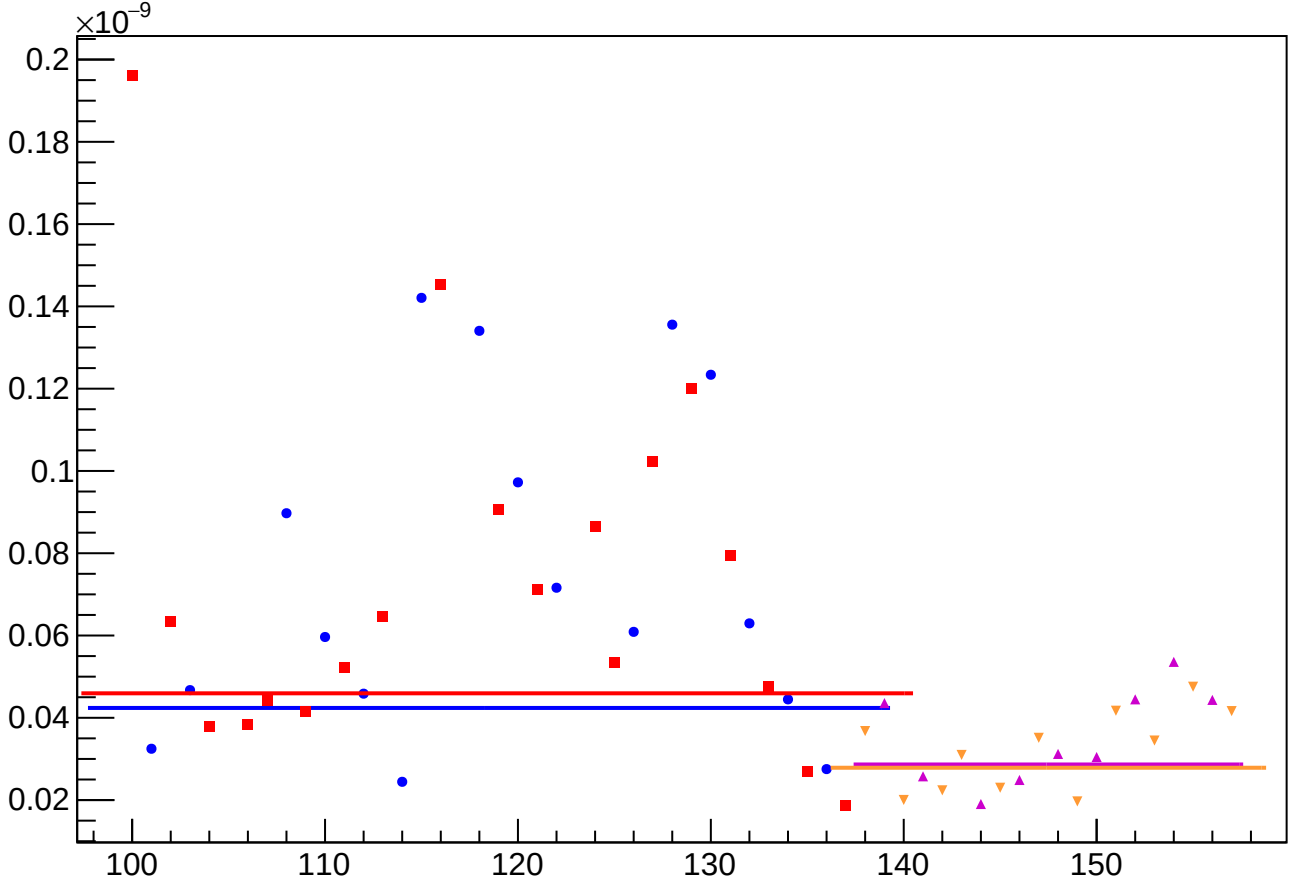
Left In: -0.000+/-0.000 χ^2/NDF:2.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 39.7/26

All: -0.000+/-0.000 χ^2/NDF: 49.0/54

- sign -0.000+/-0.000 χ^2/NDF: 9.1/27

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:612816.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

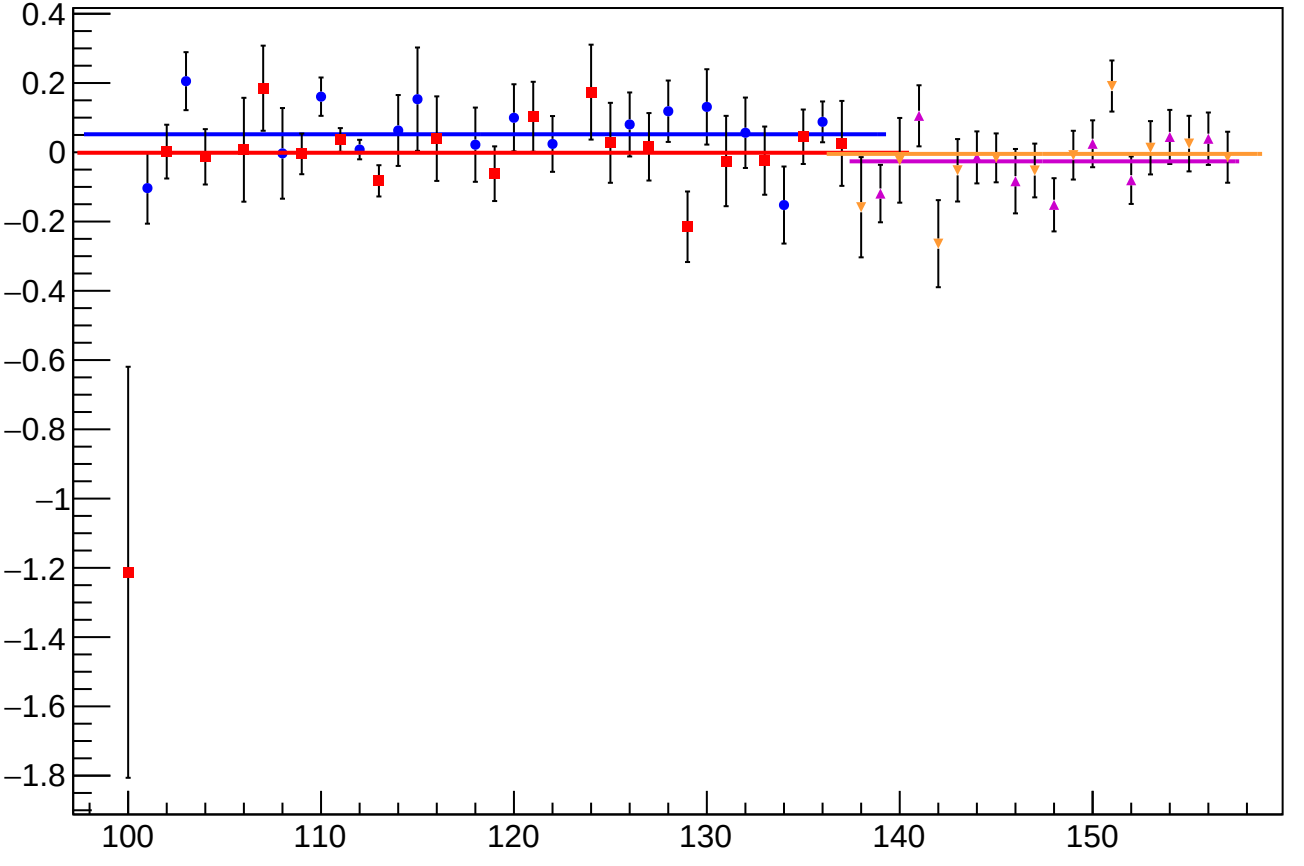
Left In: 0.000+/-0.000 χ^2/NDF:709303.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 2398888.5/26

All: 0.000+/-0.000 χ^2/NDF: 4779625.8/54

- sign 0.000+/-0.000 χ^2/NDF: 2368214.9/27

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

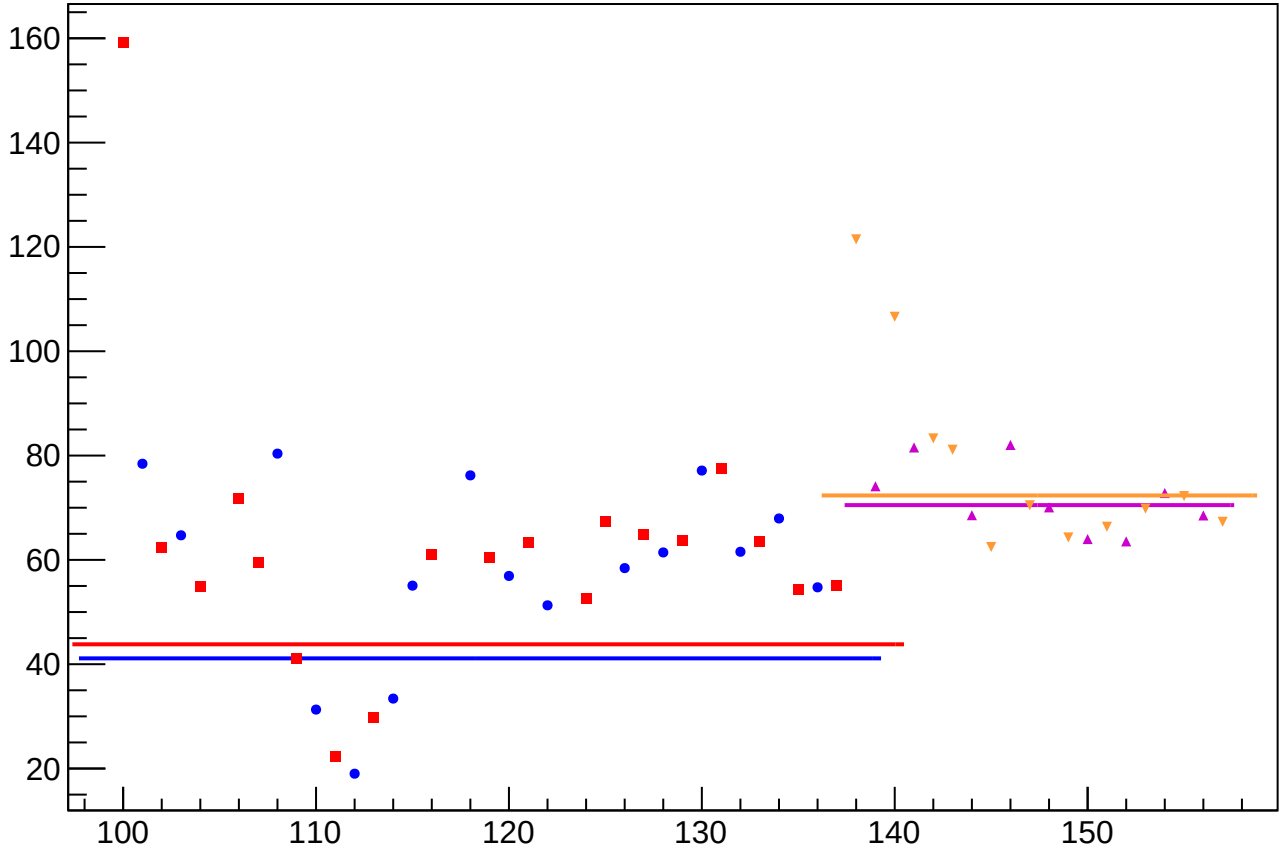
Left In: -0.026+/-0.026 χ^2/NDF:9.3/8

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.012+/-0.010 χ^2/NDF: 68.1/54

- sign -0.009+/-0.015 χ^2/NDF: 29.2/27

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

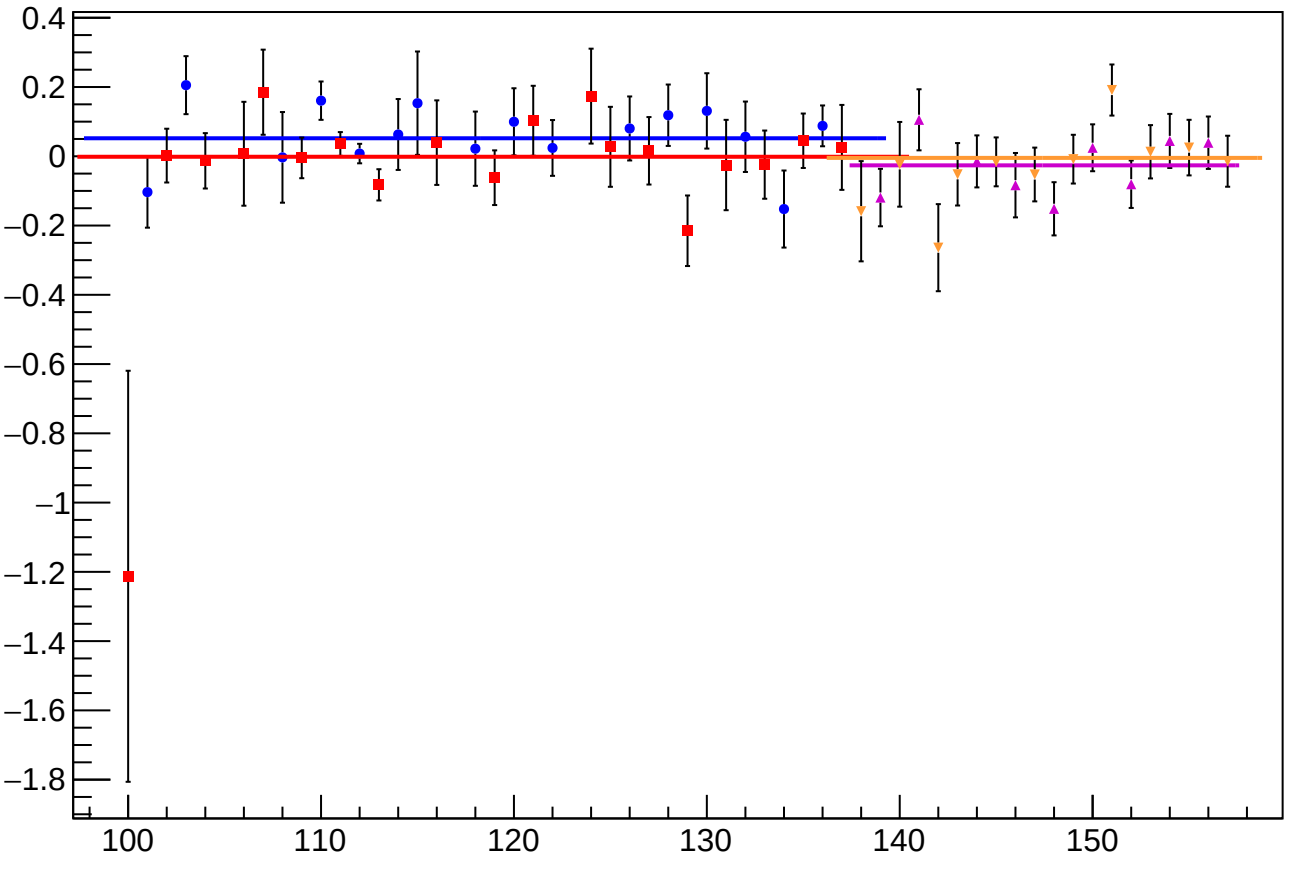
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.503+/-0.018 χ^2/NDF:109556.1/8

\+ sign 51.436+/-0.010 χ^2/NDF: 5478065.9/26

All: 51.970+/-0.007 χ^2/NDF: 9087126.7/54

\- sign 52.517+/-0.010 χ^2/NDF: 3603598.1/27



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

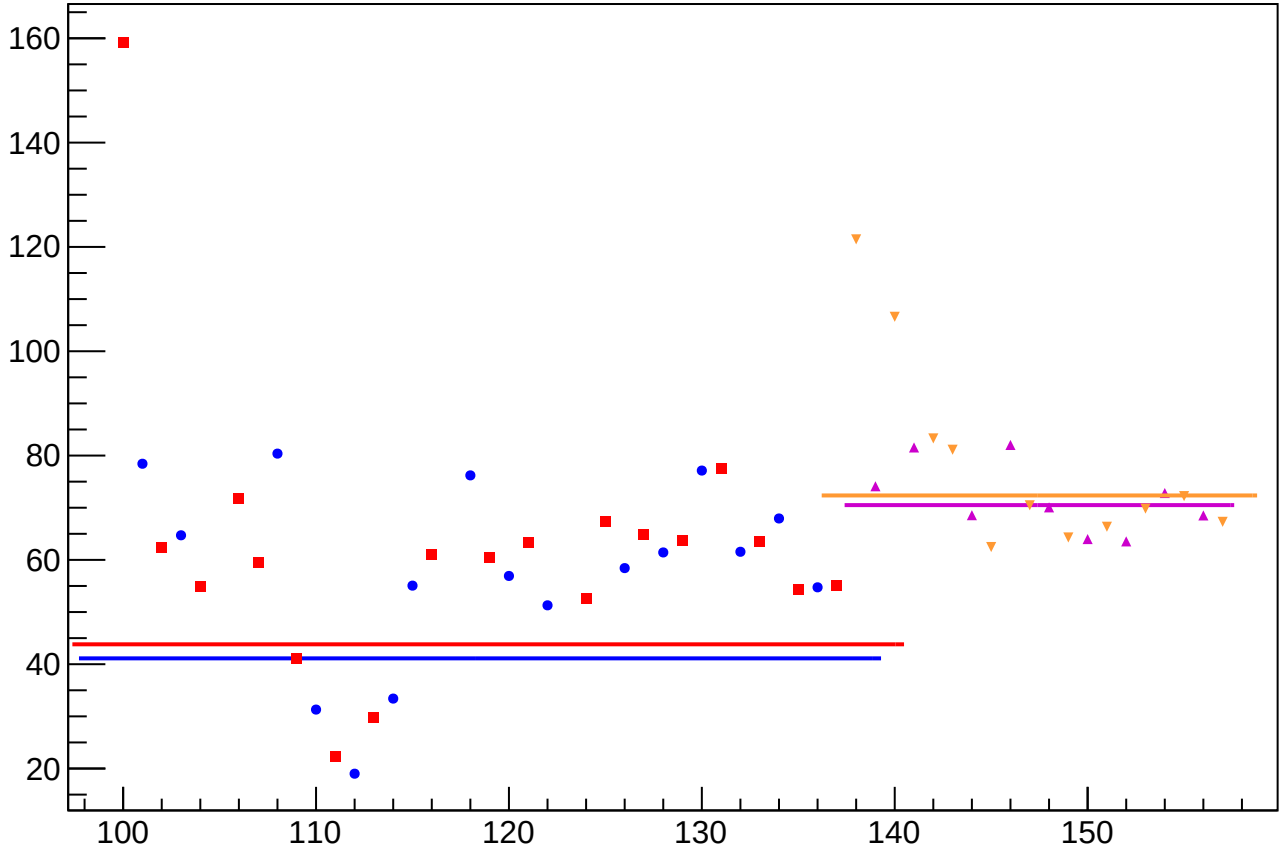
Left In: -0.026+/-0.026 χ^2/NDF:9.3/8

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.012+/-0.010 χ^2/NDF: 68.1/54

- sign -0.009+/-0.015 χ^2/NDF: 29.2/27

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 72.354+/-0.018 χ^2/NDF:512489.6/10

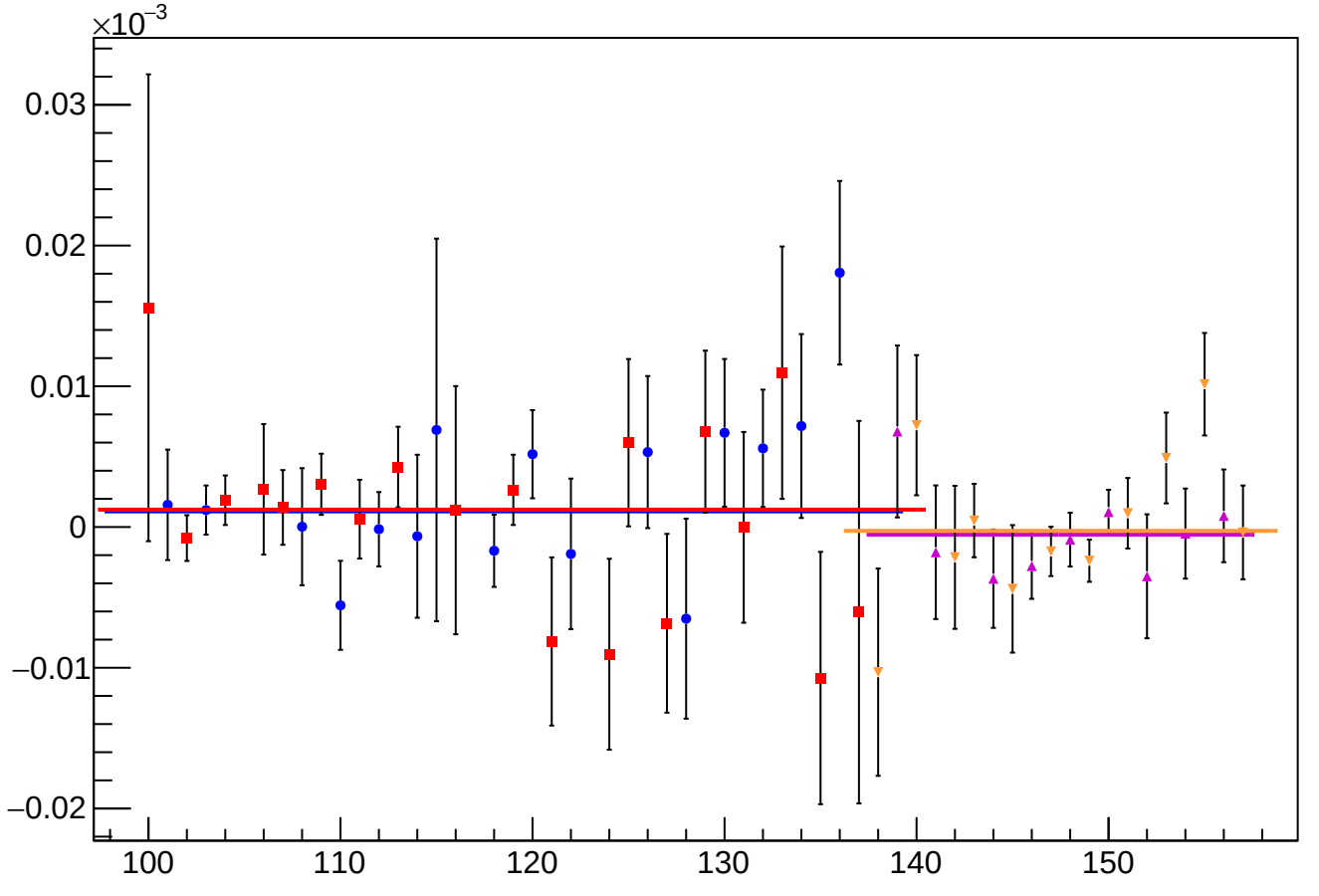
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.503+/-0.018 χ^2/NDF:109556.1/8

\+ sign 51.436+/-0.010 χ^2/NDF: 5478065.9/26

All: 51.970+/-0.007 χ^2/NDF: 9087126.7/54

\- sign 52.517+/-0.010 χ^2/NDF: 3603598.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/10

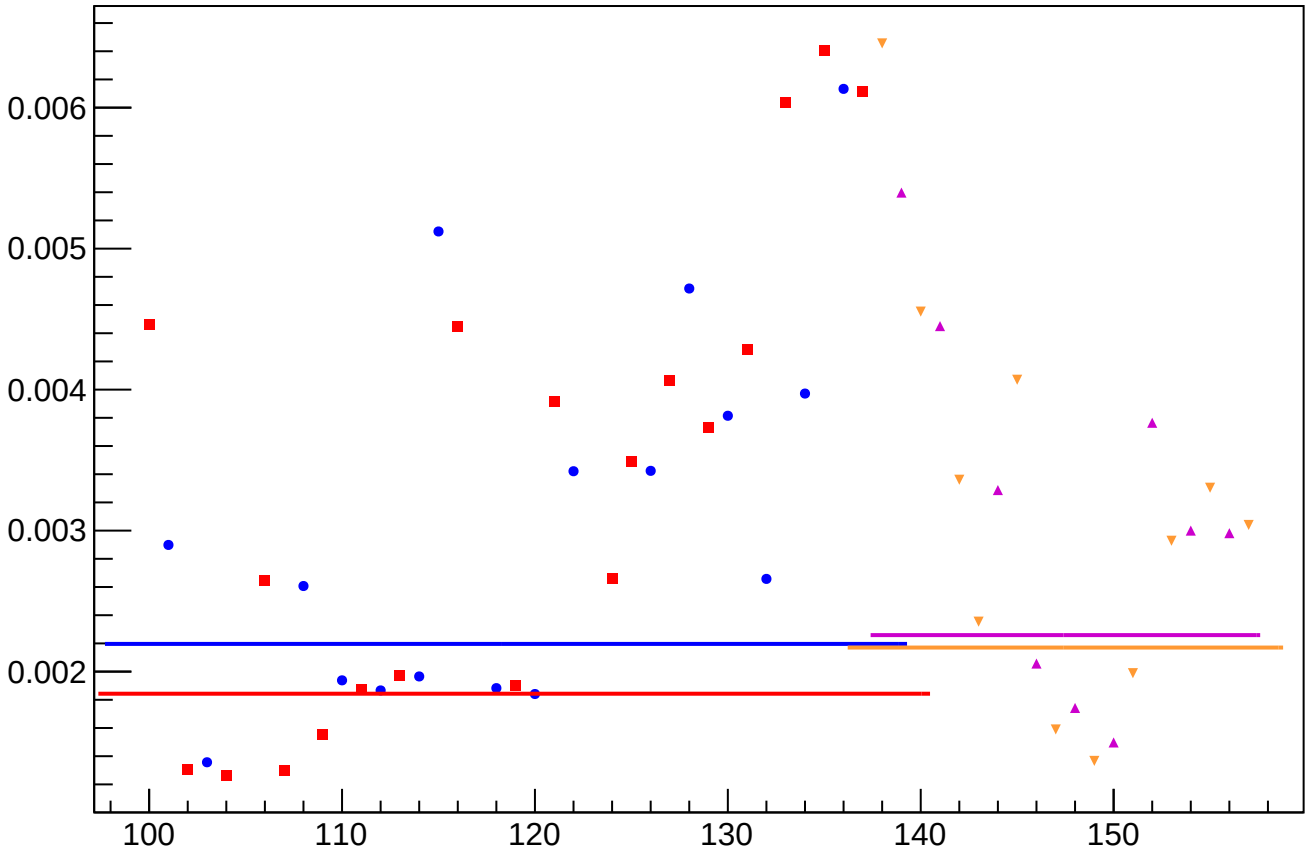
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 40.1/26

All: 0.000+/-0.000 χ^2/NDF: 63.3/54

- sign 0.000+/-0.000 χ^2/NDF: 23.1/27



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2854923.9/10

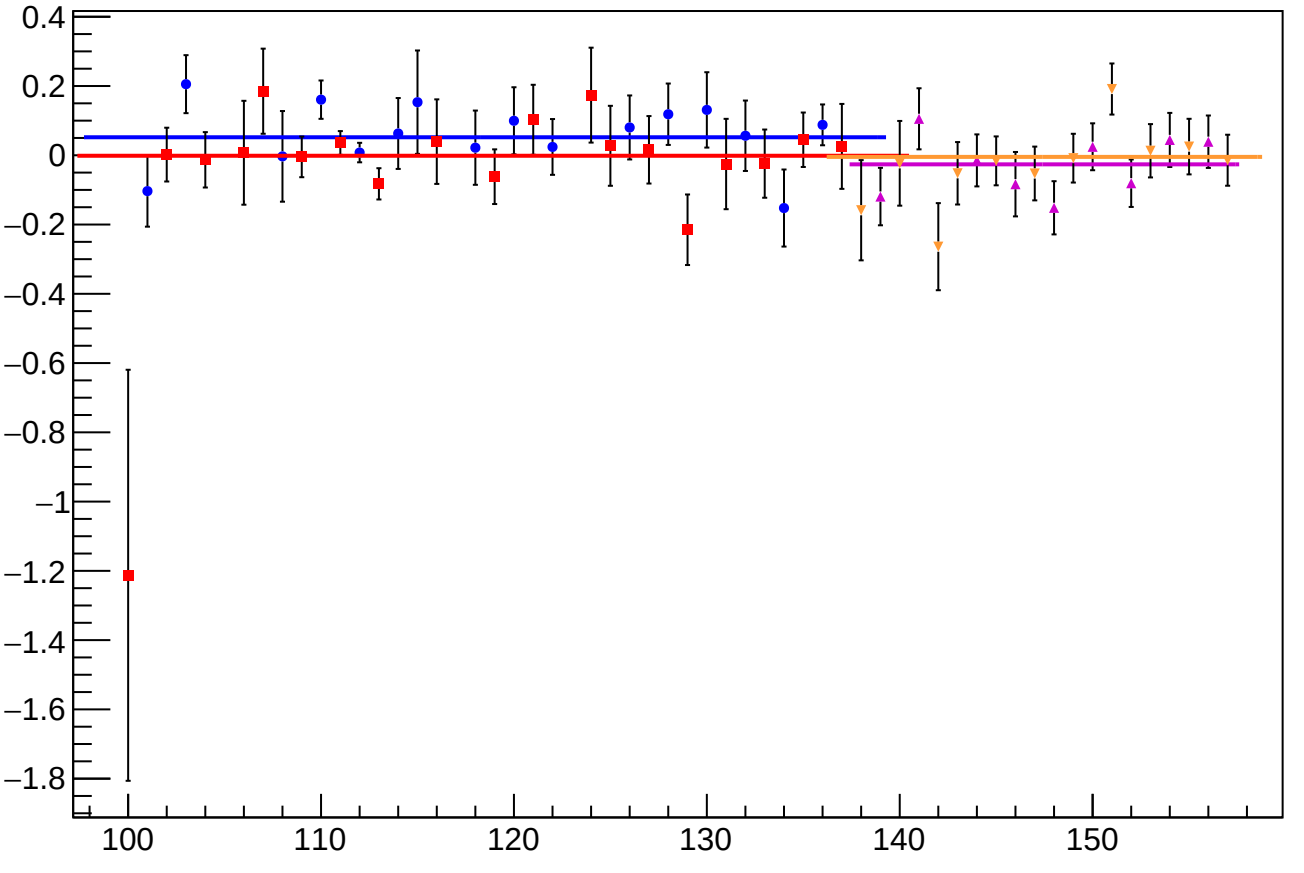
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2189456.2/8

+ sign 0.002+/-0.000 χ^2/NDF: 5148726.2/26

All: 0.002+/-0.000 χ^2/NDF: 10801336.8/54

- sign 0.002+/-0.000 χ^2/NDF: 5576976.7/27



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

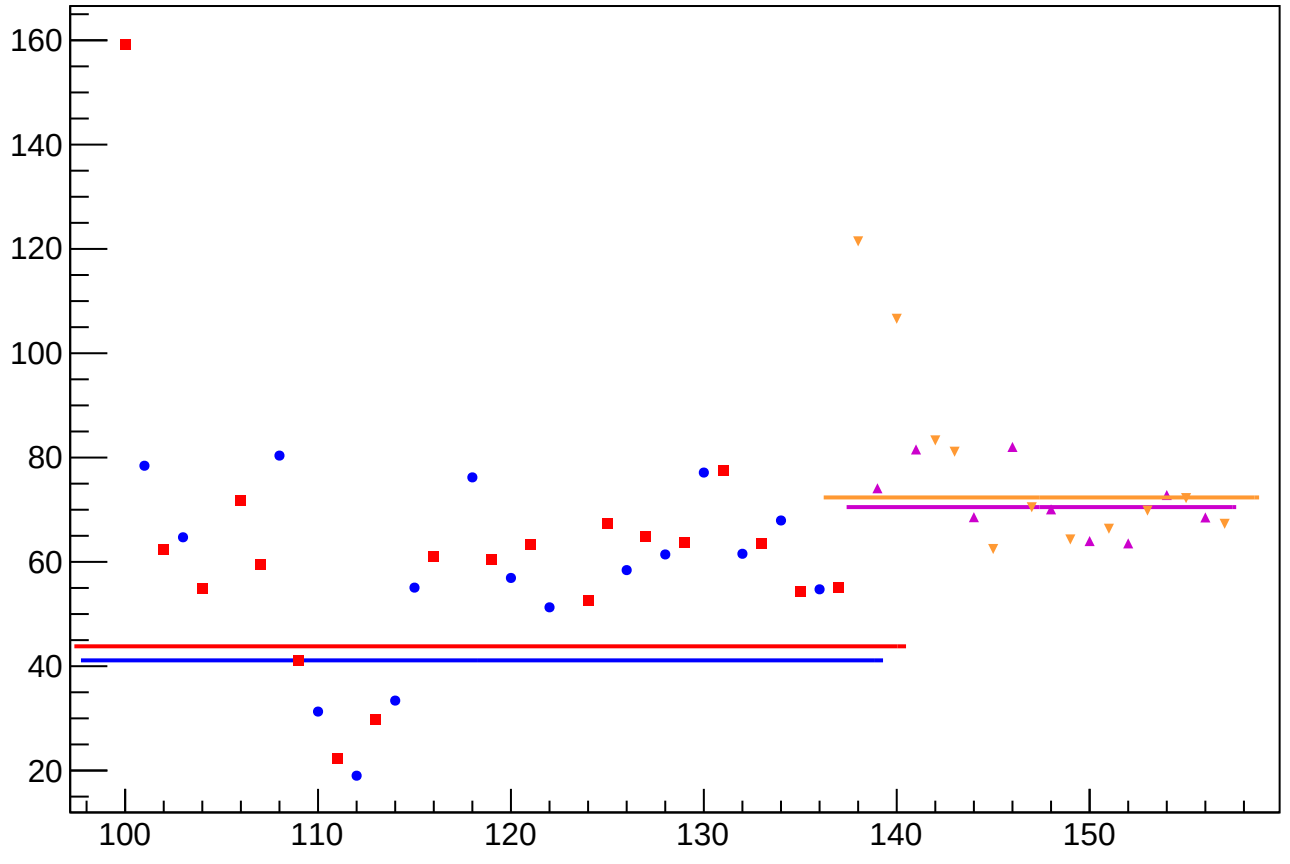
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.026+/-0.026 χ^2/NDF:9.3/8

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.012+/-0.010 χ^2/NDF: 68.1/54

- sign -0.009+/-0.015 χ^2/NDF: 29.2/27



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.355+/-0.018 χ^2/NDF:512464.9/10

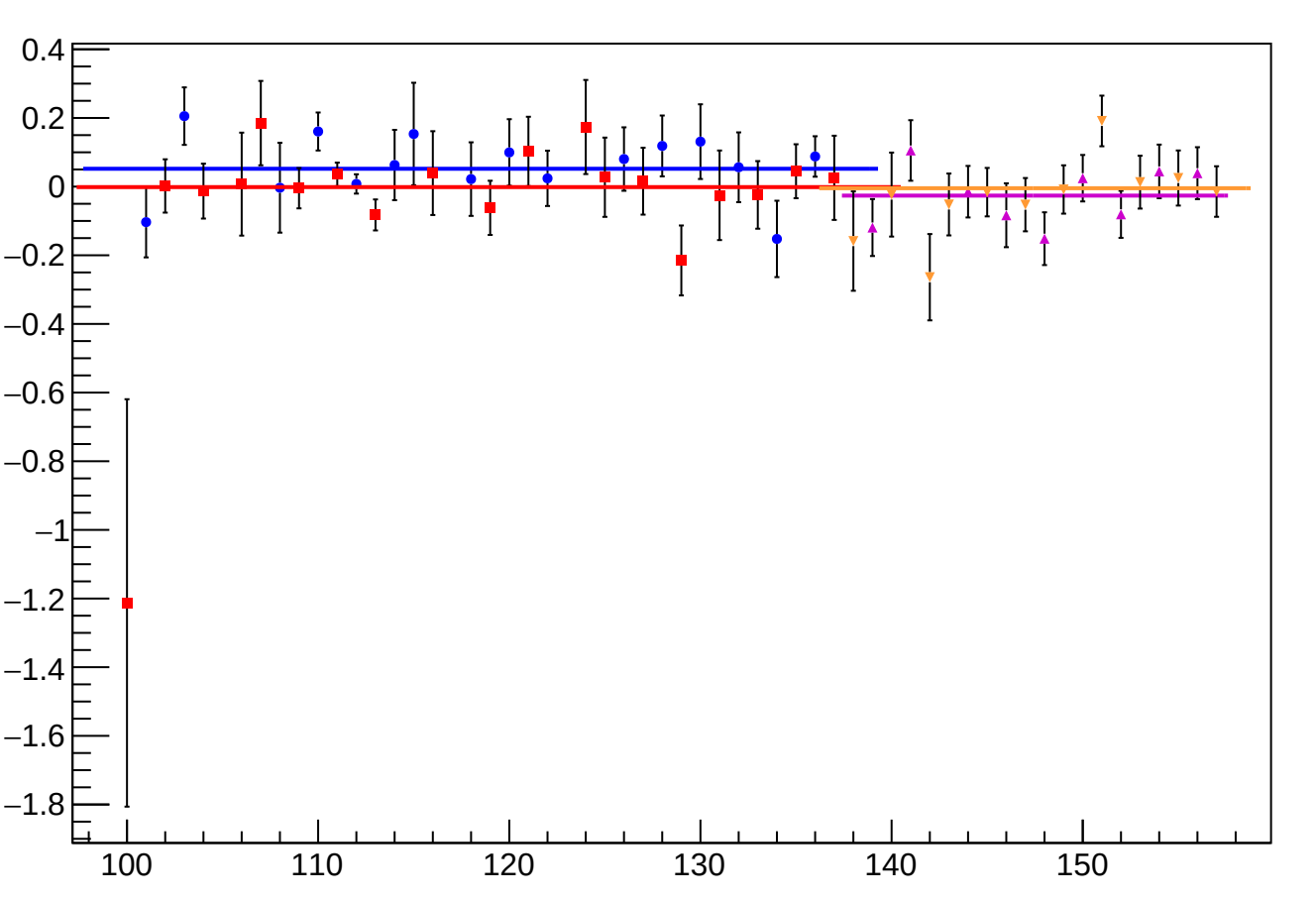
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.503+/-0.018 χ^2/NDF:109553.9/8

+ sign 51.435+/-0.010 χ^2/NDF: 5478430.3/26

All: 51.970+/-0.007 χ^2/NDF: 9087840.3/54

- sign 52.517+/-0.010 χ^2/NDF: 3603946.7/27



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.005+/-0.025 χ^2/NDF:13.4/10

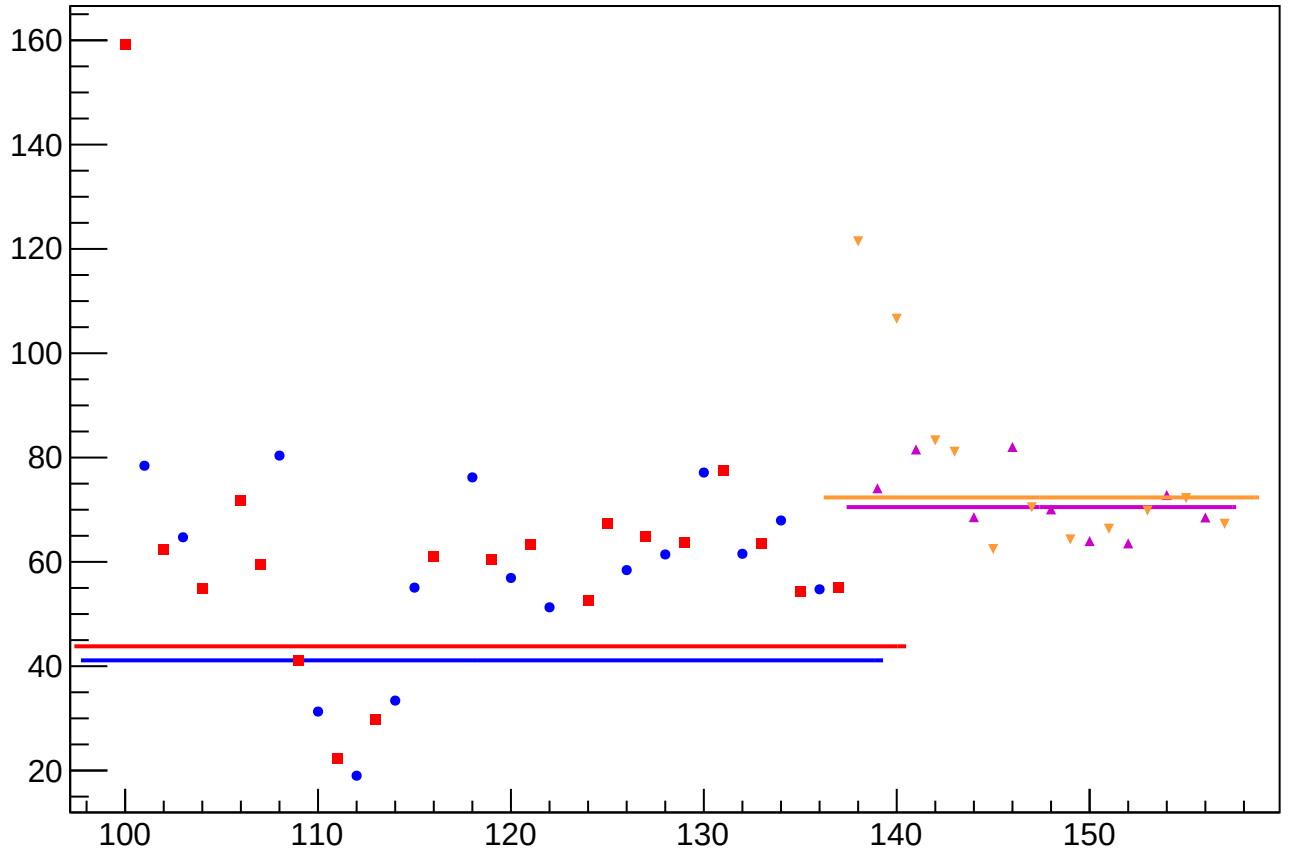
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.026+/-0.026 χ^2/NDF:9.3/8

+ sign 0.033+/-0.015 χ^2/NDF: 34.7/26

All: 0.012+/-0.010 χ^2/NDF: 68.1/54

- sign -0.009+/-0.015 χ^2/NDF: 29.2/27



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.355+/-0.018 χ^2/NDF:512464.9/10

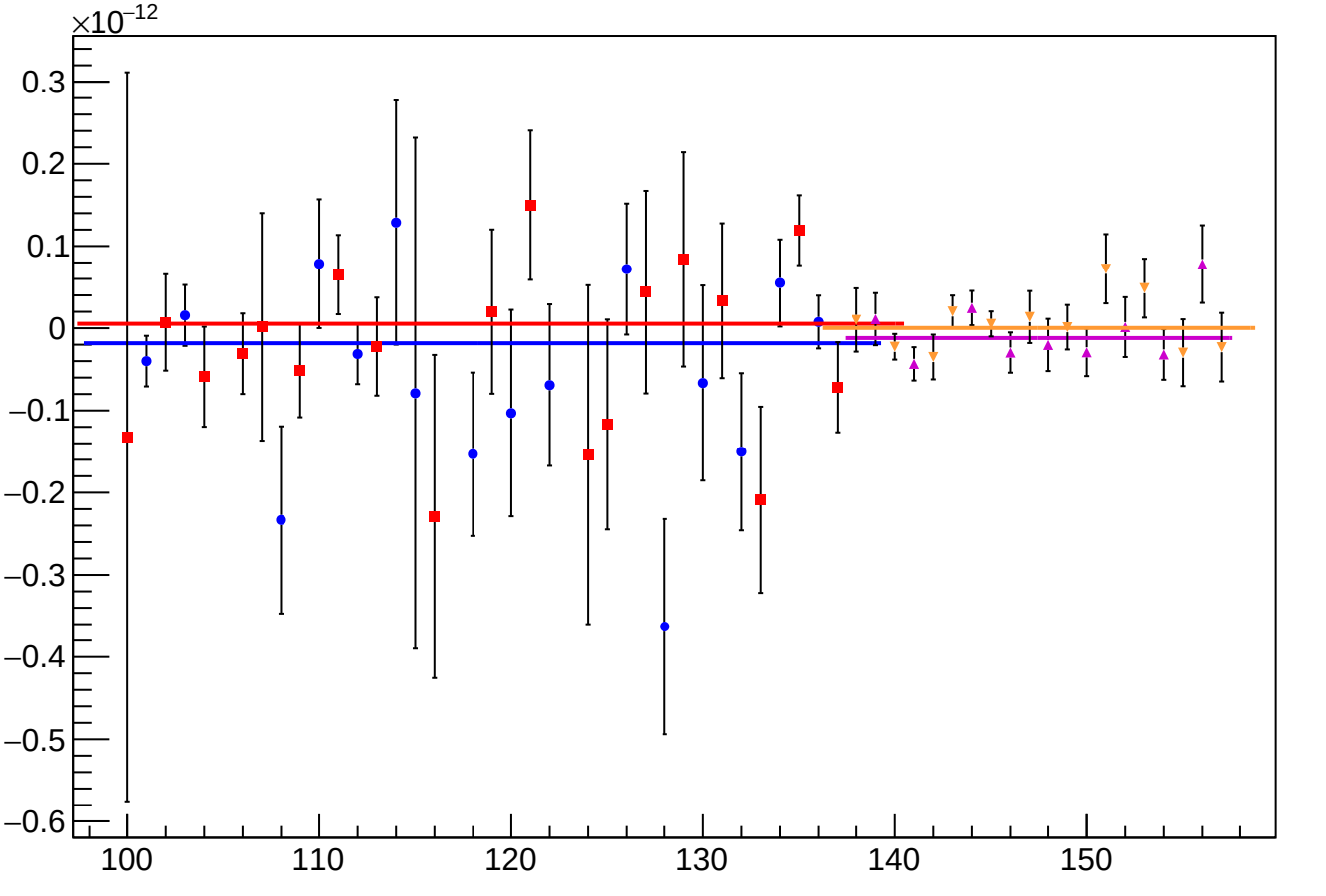
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.503+/-0.018 χ^2/NDF:109553.9/8

+ sign 51.435+/-0.010 χ^2/NDF: 5478430.3/26

All: 51.970+/-0.007 χ^2/NDF: 9087840.3/54

- sign 52.517+/-0.010 χ^2/NDF: 3603946.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/10

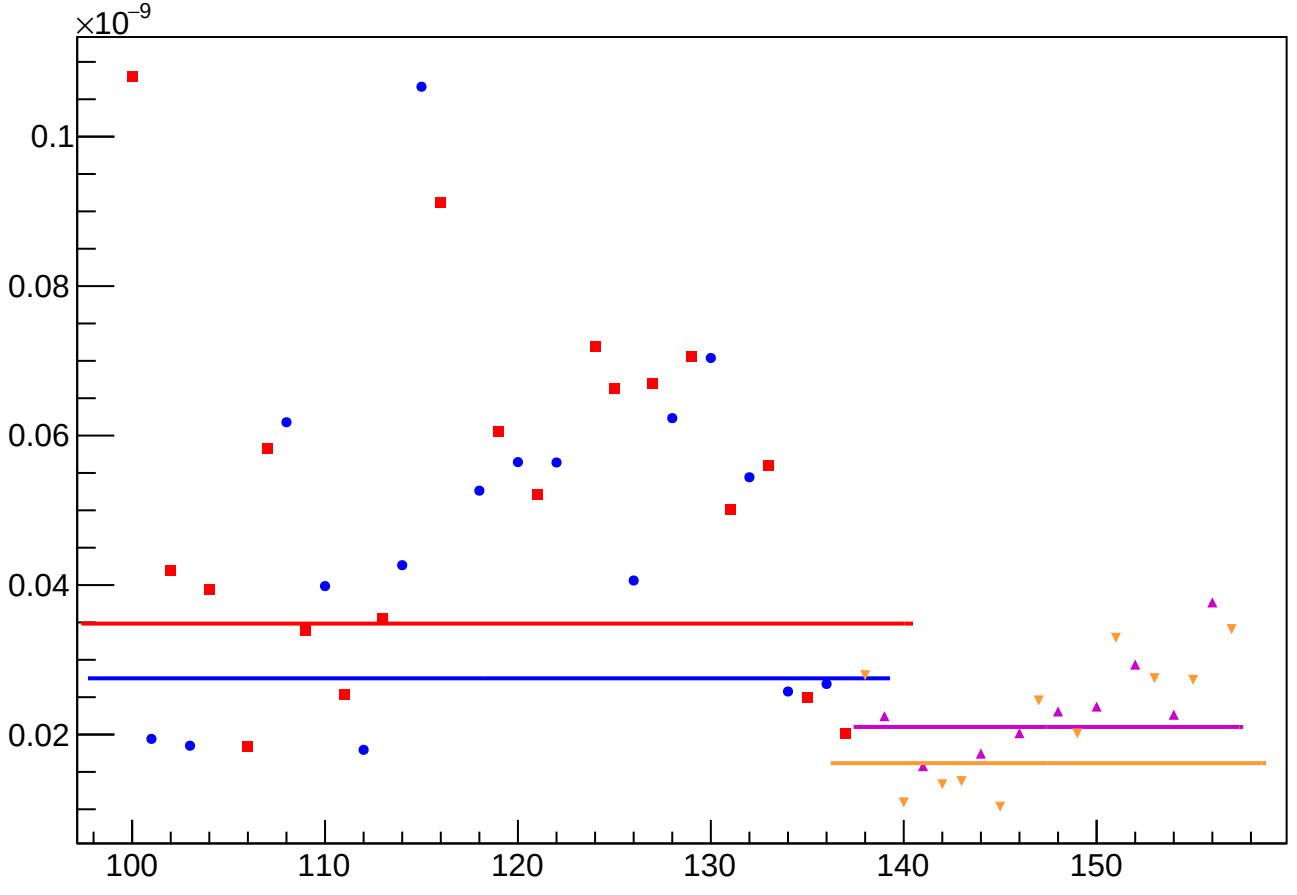
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/26

All: -0.000+/-0.000 χ^2/NDF: 70.6/54

- sign -0.000+/-0.000 χ^2/NDF: 35.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1983304.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

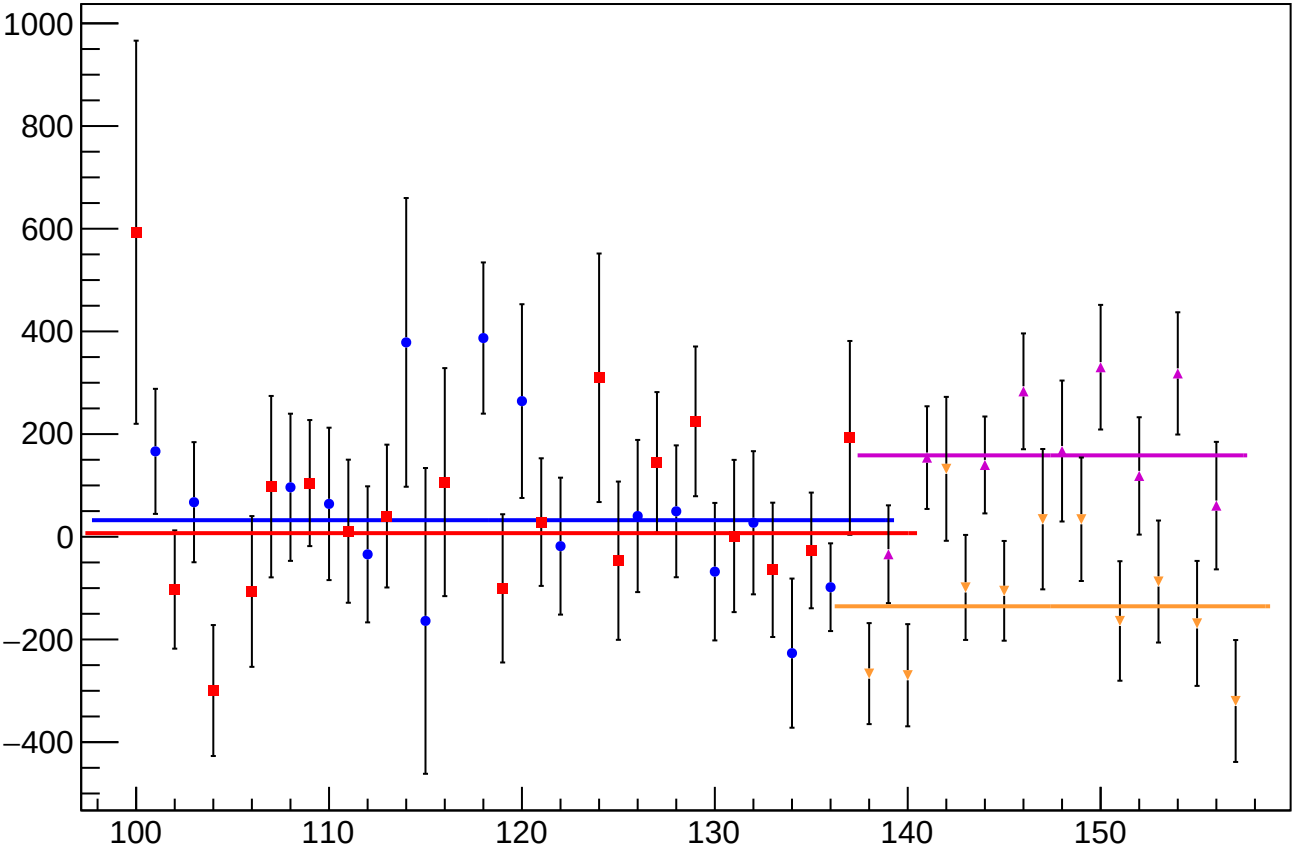
Left In: 0.000+/-0.000 χ^2/NDF:584768.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 4760914.5/26

All: 0.000+/-0.000 χ^2/NDF: 8666234.7/54

- sign 0.000+/-0.000 χ^2/NDF: 3314879.3/27

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.391+/-34.048 χ^2/NDF:13.7/10

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

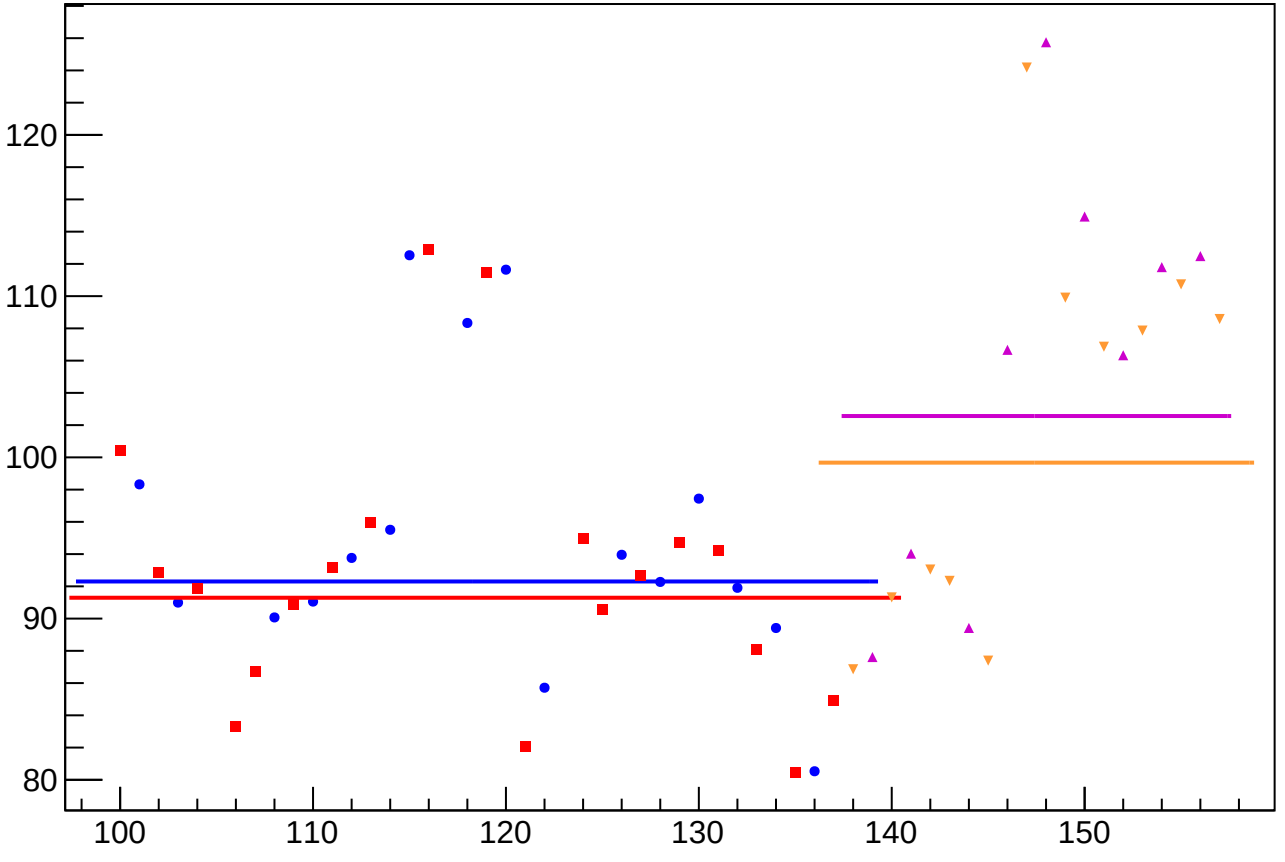
Left In: 158.566+/-36.909 χ^2/NDF:9.9/8

+ sign -52.480+/-24.209 χ^2/NDF: 43.0/26

All: 9.948+/-17.314 χ^2/NDF: 93.6/54

- sign 75.320+/-24.773 χ^2/NDF: 36.9/27

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

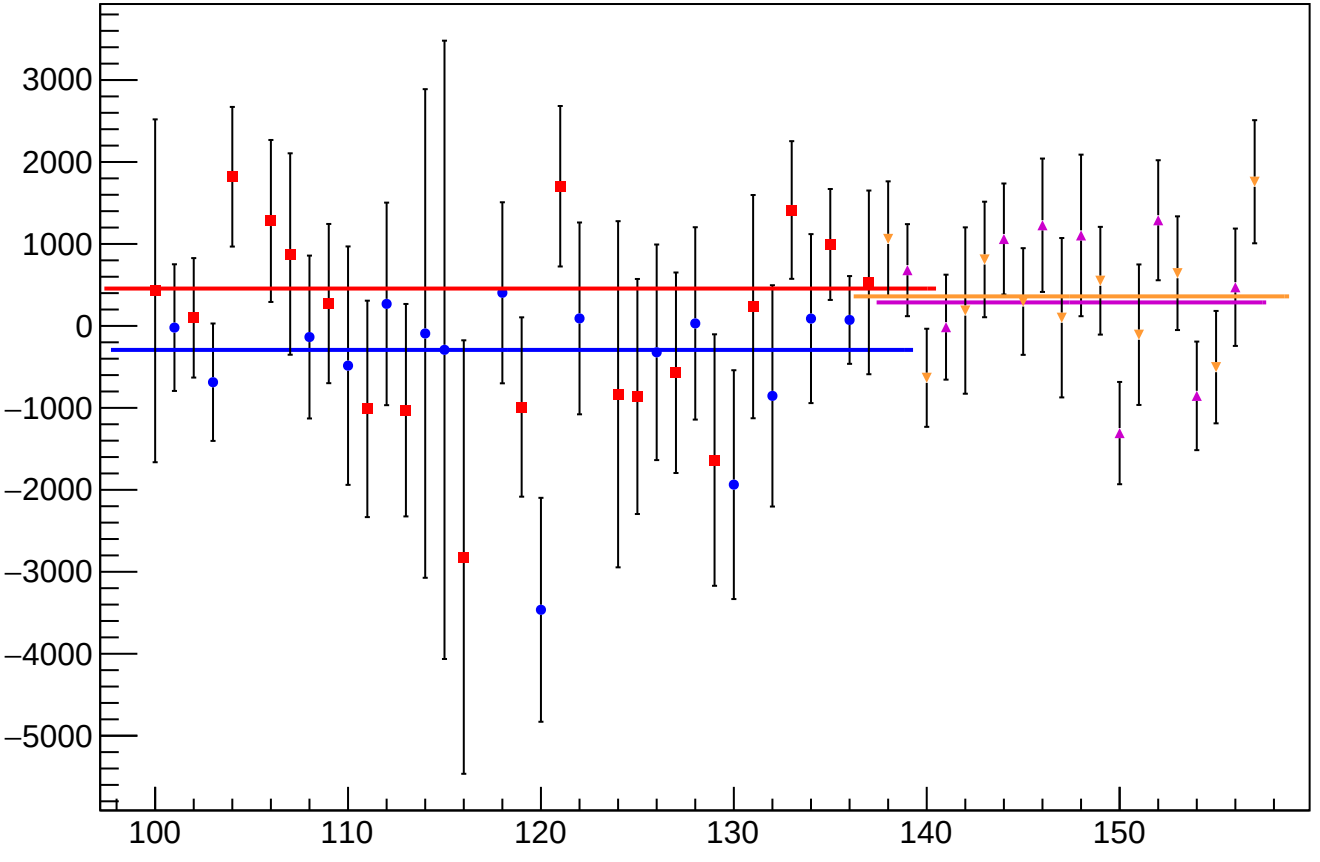
Left In: 102.564+/-0.026 χ^2/NDF:210101.1/8

+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.196+/-0.012 χ^2/NDF: 789736.1/54

- sign 96.371+/-0.018 χ^2/NDF: 417671.2/27

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.353+/-218.877 χ^2/NDF:9.9/10

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

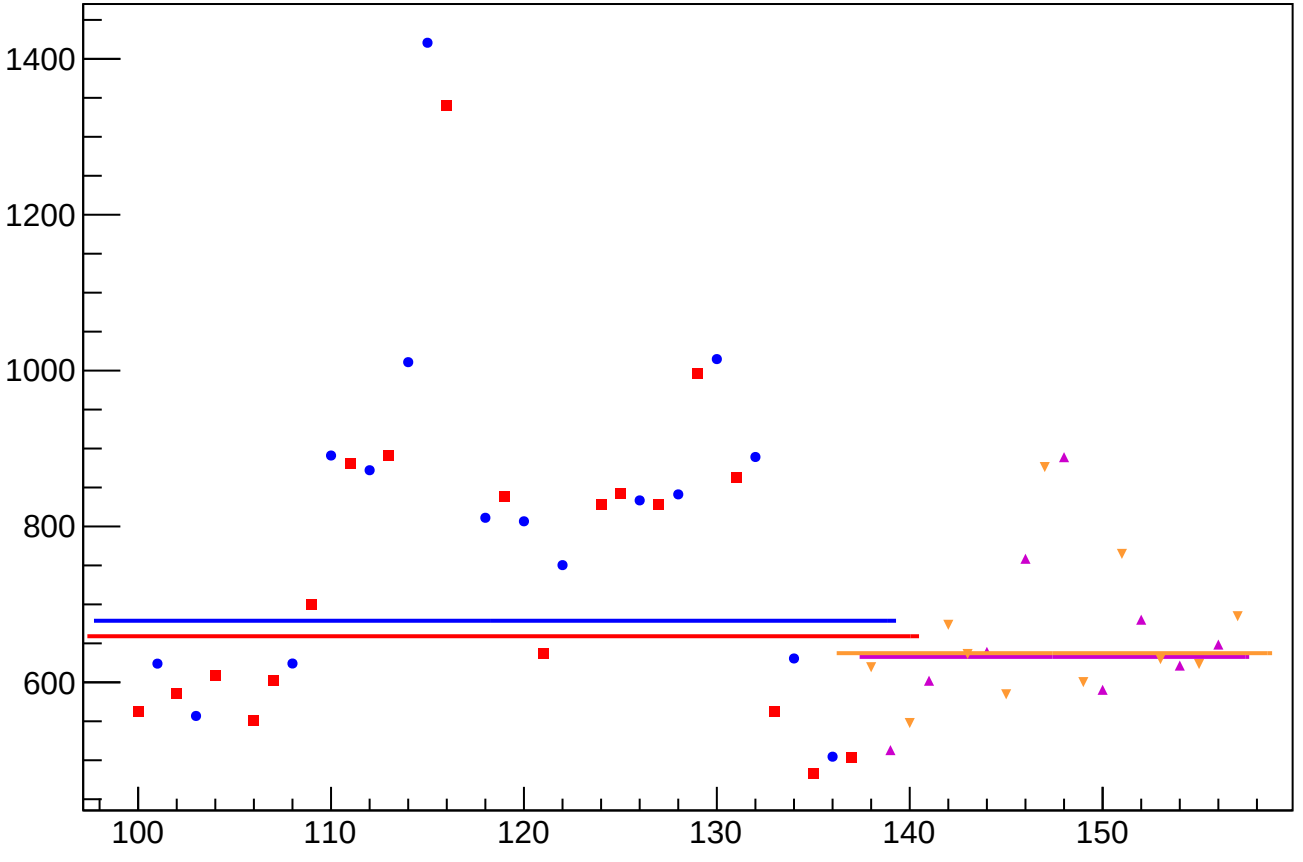
Left In: 286.671+/-229.449 χ^2/NDF:15.5/8

+ sign 89.098+/-167.361 χ^2/NDF: 22.4/26

All: 225.719+/-118.794 χ^2/NDF: 56.3/54

- sign 364.446+/-168.646 χ^2/NDF: 32.6/27

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.0/10

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

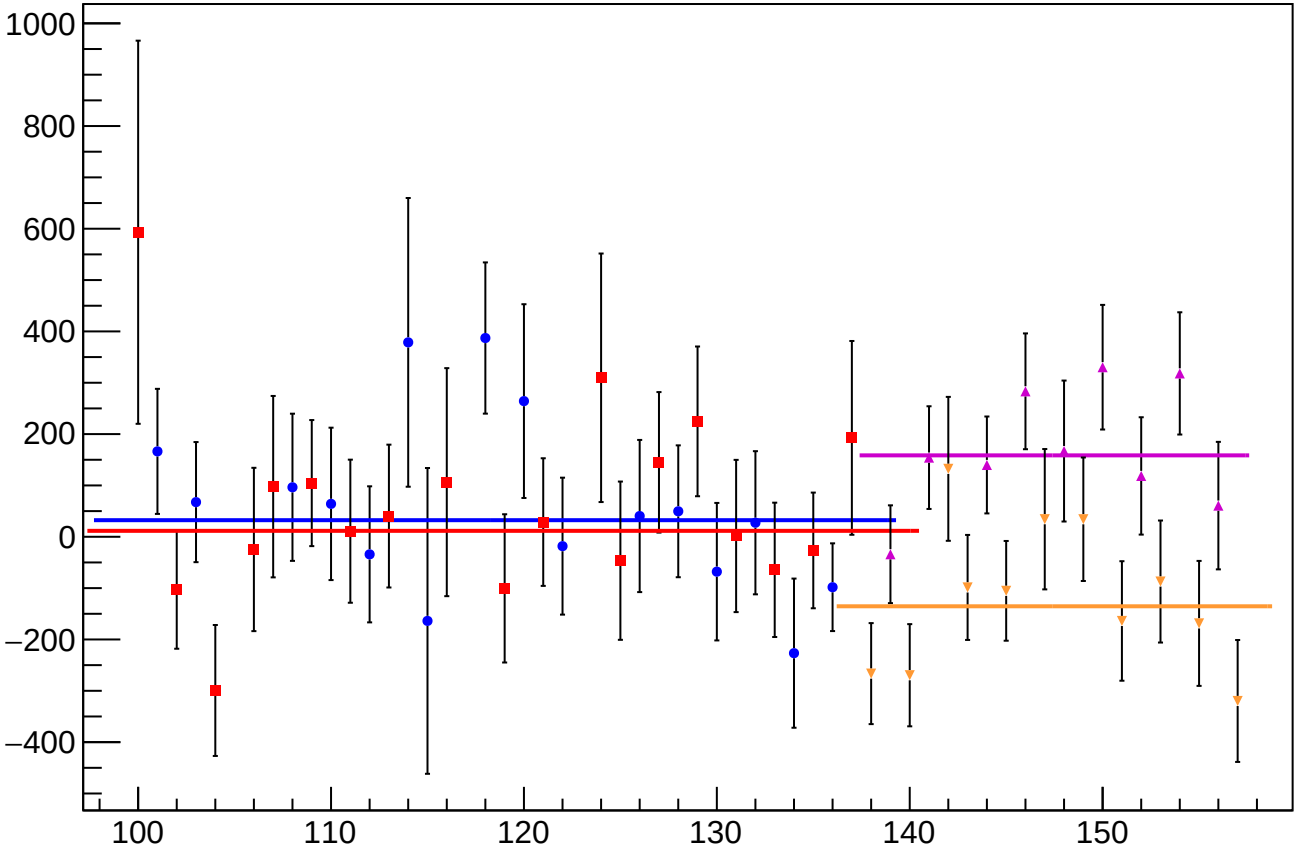
Left In: 632.652+/-0.162 χ^2/NDF:297810.4/8

+ sign 654.683+/-0.118 χ^2/NDF: 1040121.8/26

All: 649.793+/-0.084 χ^2/NDF: 2149500.3/54

- sign 644.827+/-0.119 χ^2/NDF: 1105936.7/27

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

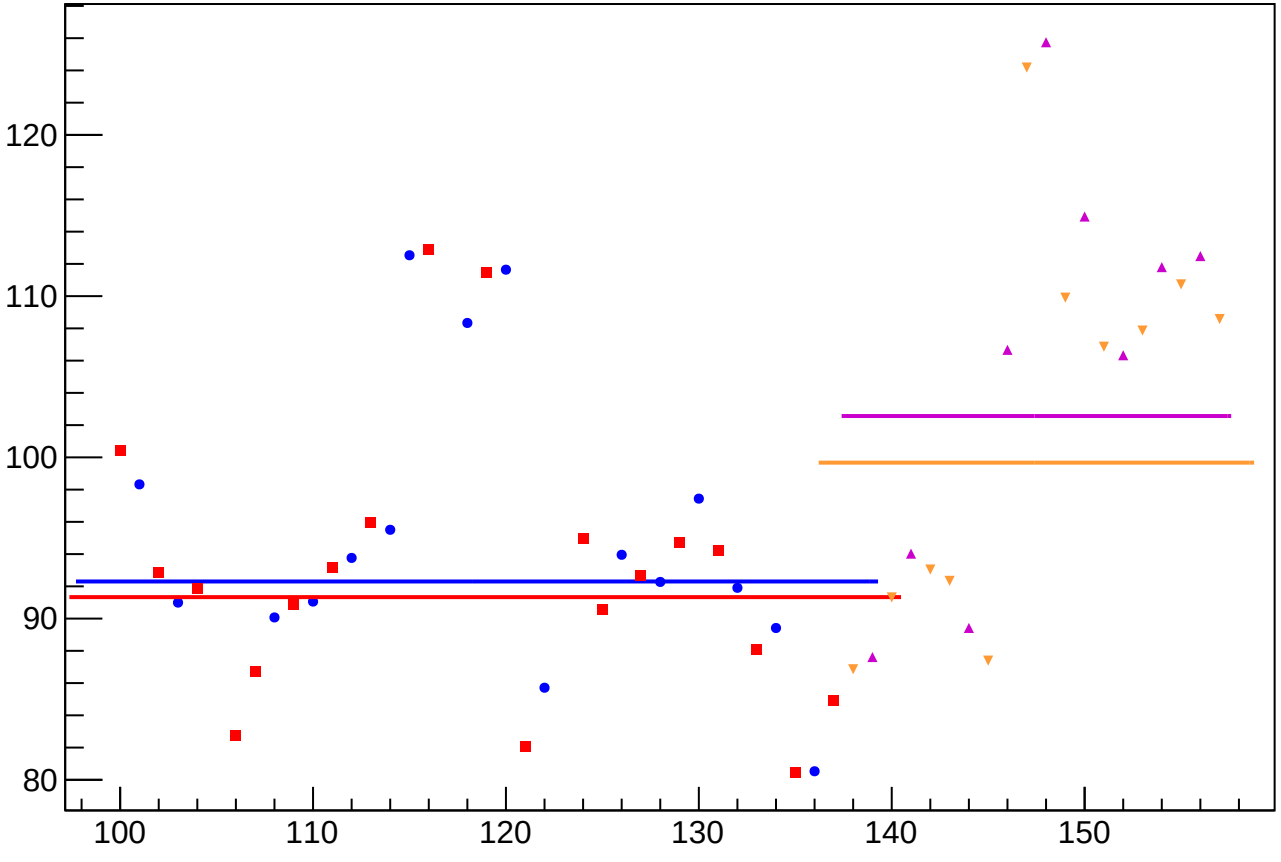
Left In: 158.567+/-36.909 χ^2/NDF:9.9/8

\+ sign -52.471+/-24.209 χ^2/NDF: 43.0/26

All: 11.161+/-17.332 χ^2/NDF: 93.0/54

\- sign 78.076+/-24.826 χ^2/NDF: 35.8/27

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

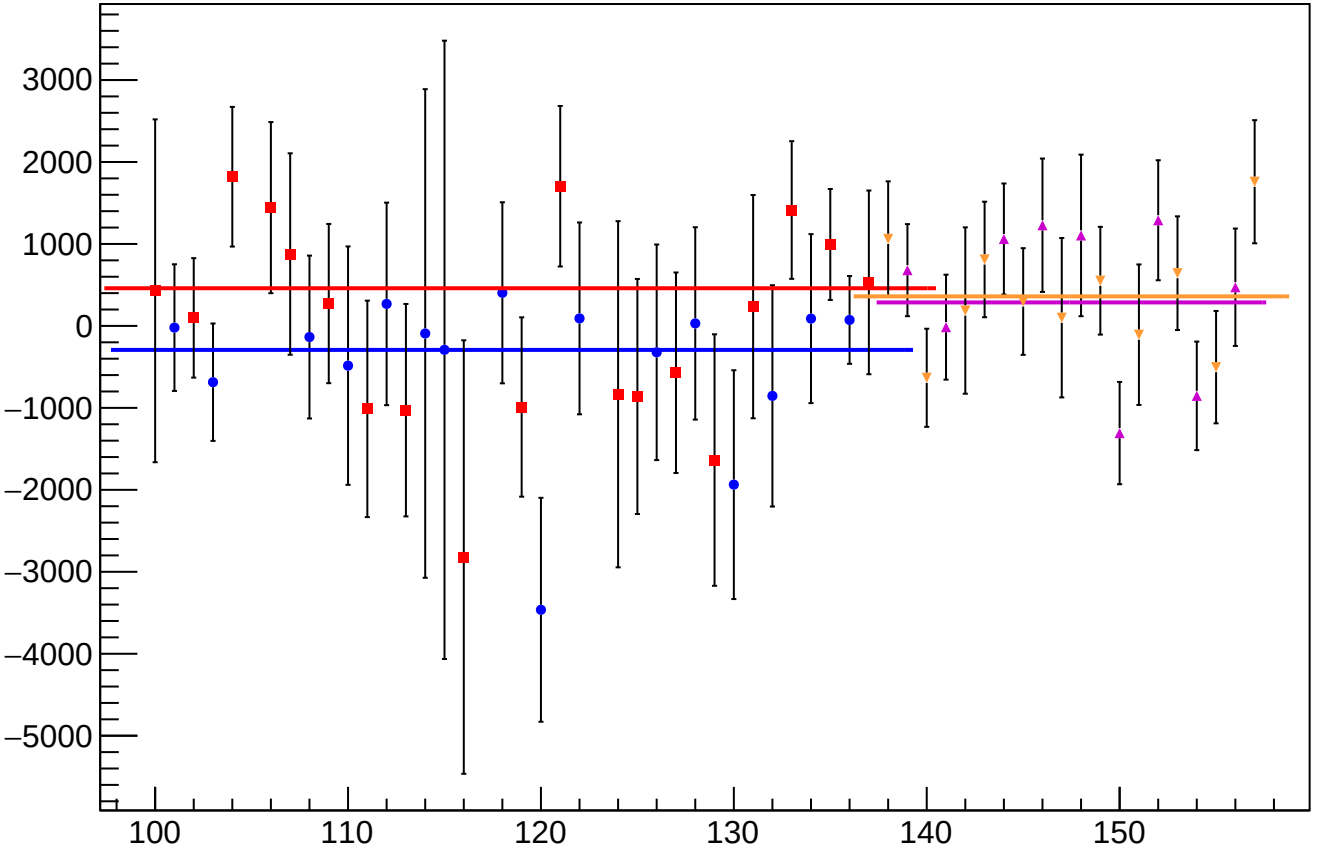
Left In: 102.564+/-0.026 χ^2/NDF:210101.1/8

+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.216+/-0.012 χ^2/NDF: 788560.5/54

- sign 96.414+/-0.018 χ^2/NDF: 416444.7/27

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.351+/-218.877 χ^2/NDF:9.9/10

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

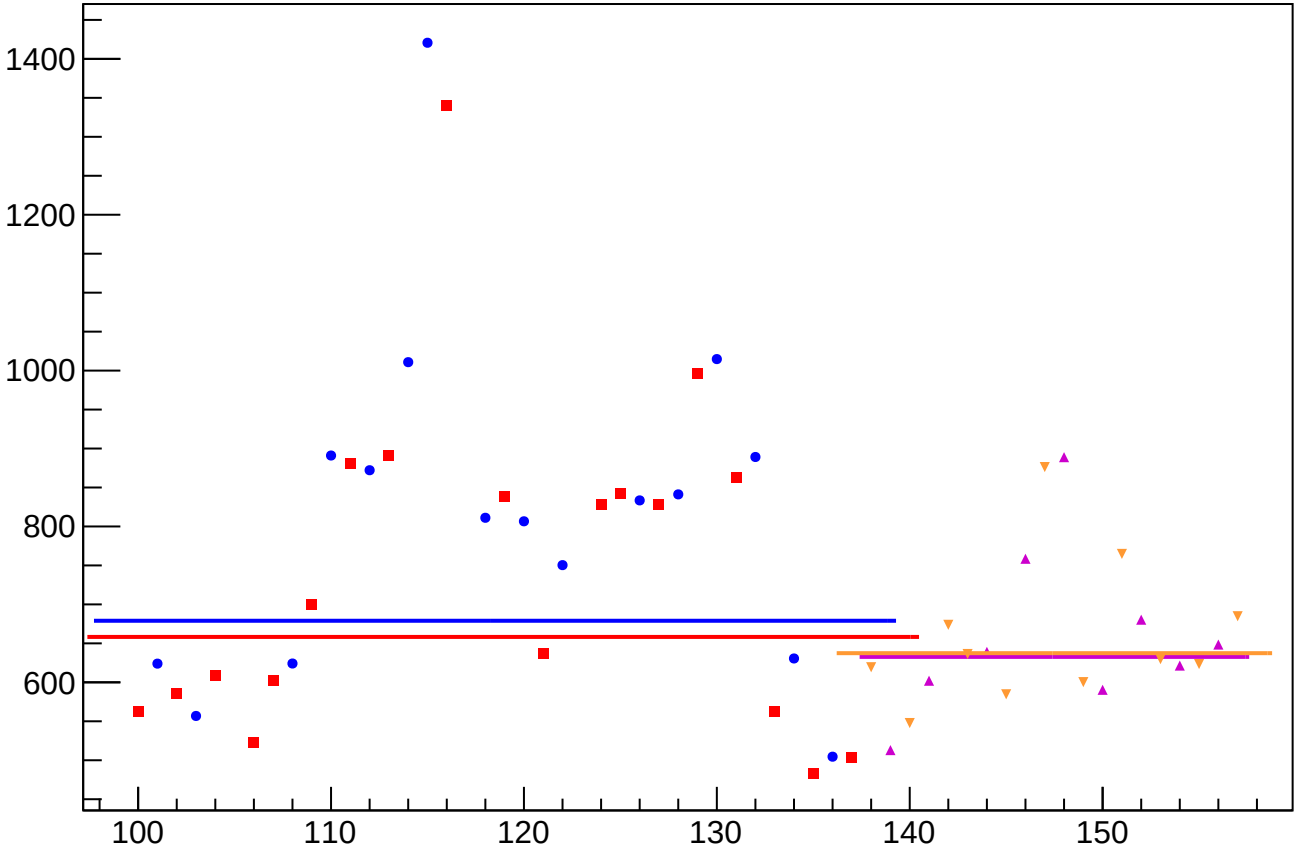
Left In: 286.668+/-229.449 χ^2/NDF:15.5/8

\+ sign 89.097+/-167.361 χ^2/NDF: 22.4/26

All: 226.225+/-118.884 χ^2/NDF: 56.5/54

\- sign 365.890+/-168.903 χ^2/NDF: 32.8/27

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

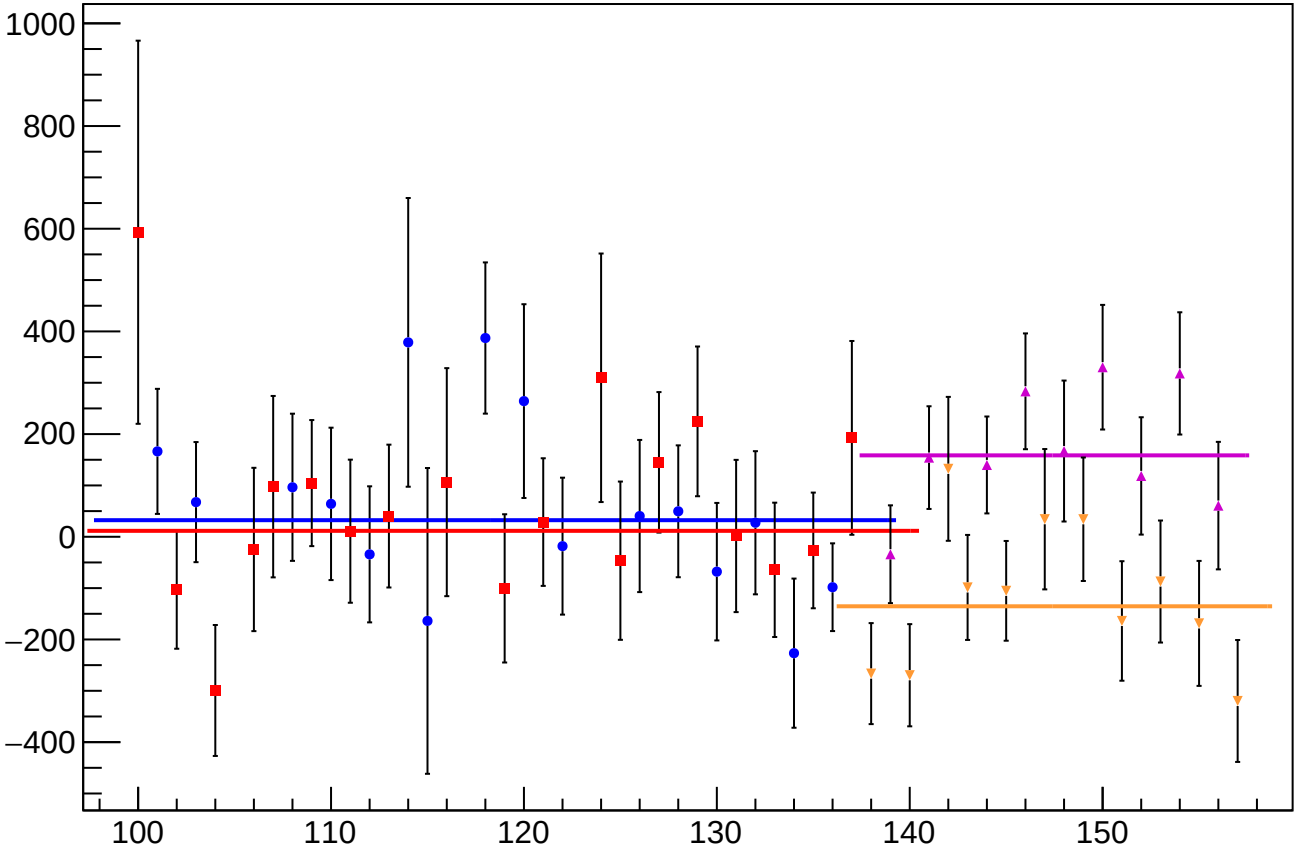
Left In: 632.652+/-0.162 χ^2/NDF:297810.0/8

+ sign 654.683+/-0.118 χ^2/NDF: 1040123.7/26

All: 649.581+/-0.084 χ^2/NDF: 2158998.5/54

- sign 644.384+/-0.119 χ^2/NDF: 1115122.7/27

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -135.389+/-34.048 χ^2/NDF:13.7/10

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

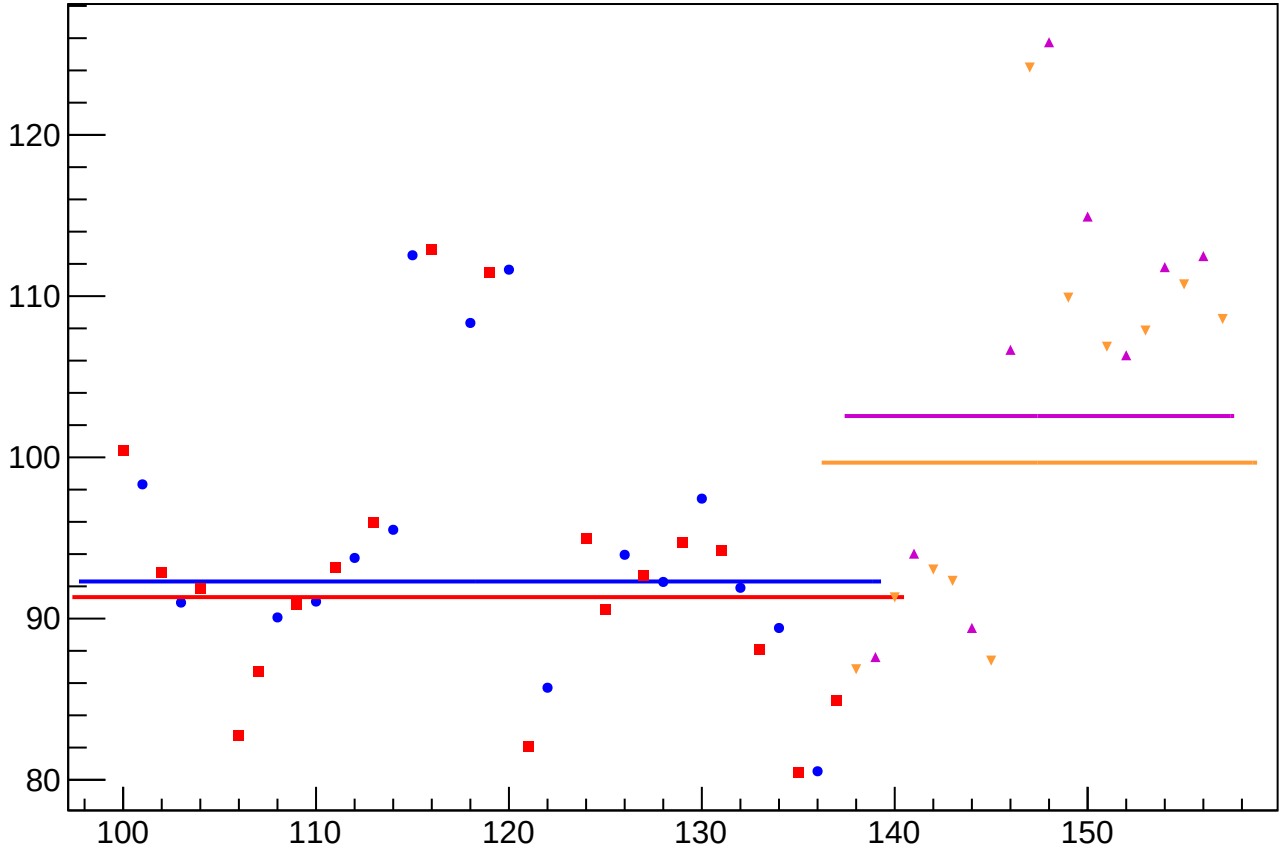
Left In: 158.567+/-36.909 χ^2/NDF:9.9/8

\+ sign -52.471+/-24.209 χ^2/NDF: 43.0/26

All: 11.161+/-17.332 χ^2/NDF: 93.0/54

\- sign 78.076+/-24.826 χ^2/NDF: 35.8/27

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 99.673+/-0.024 χ^2/NDF:218460.9/10

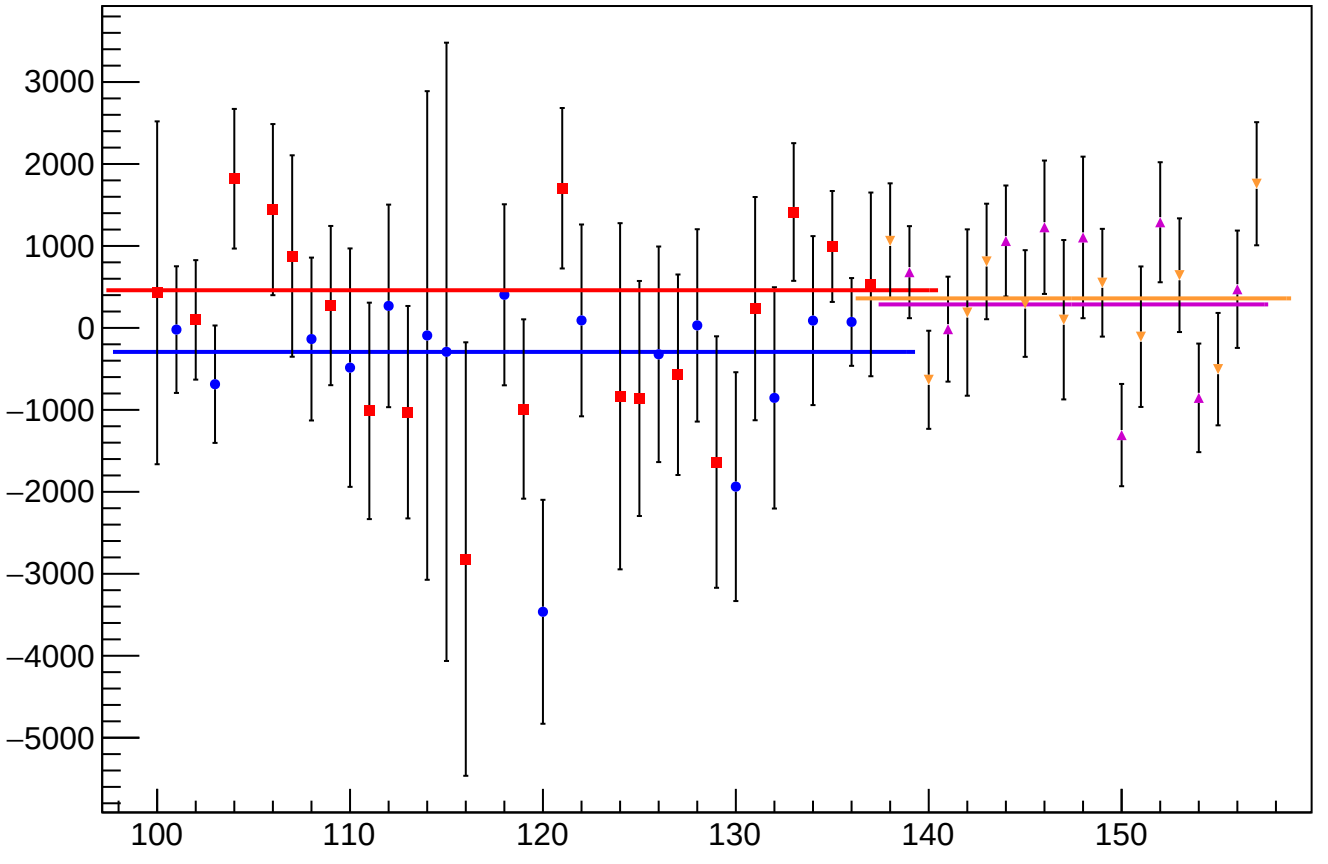
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 102.564+/-0.026 χ^2/NDF:210101.1/8

+ sign 96.029+/-0.017 χ^2/NDF: 371869.5/26

All: 96.216+/-0.012 χ^2/NDF: 788560.5/54

- sign 96.414+/-0.018 χ^2/NDF: 416444.7/27



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 360.351+/-218.877 χ^2/NDF:9.9/10

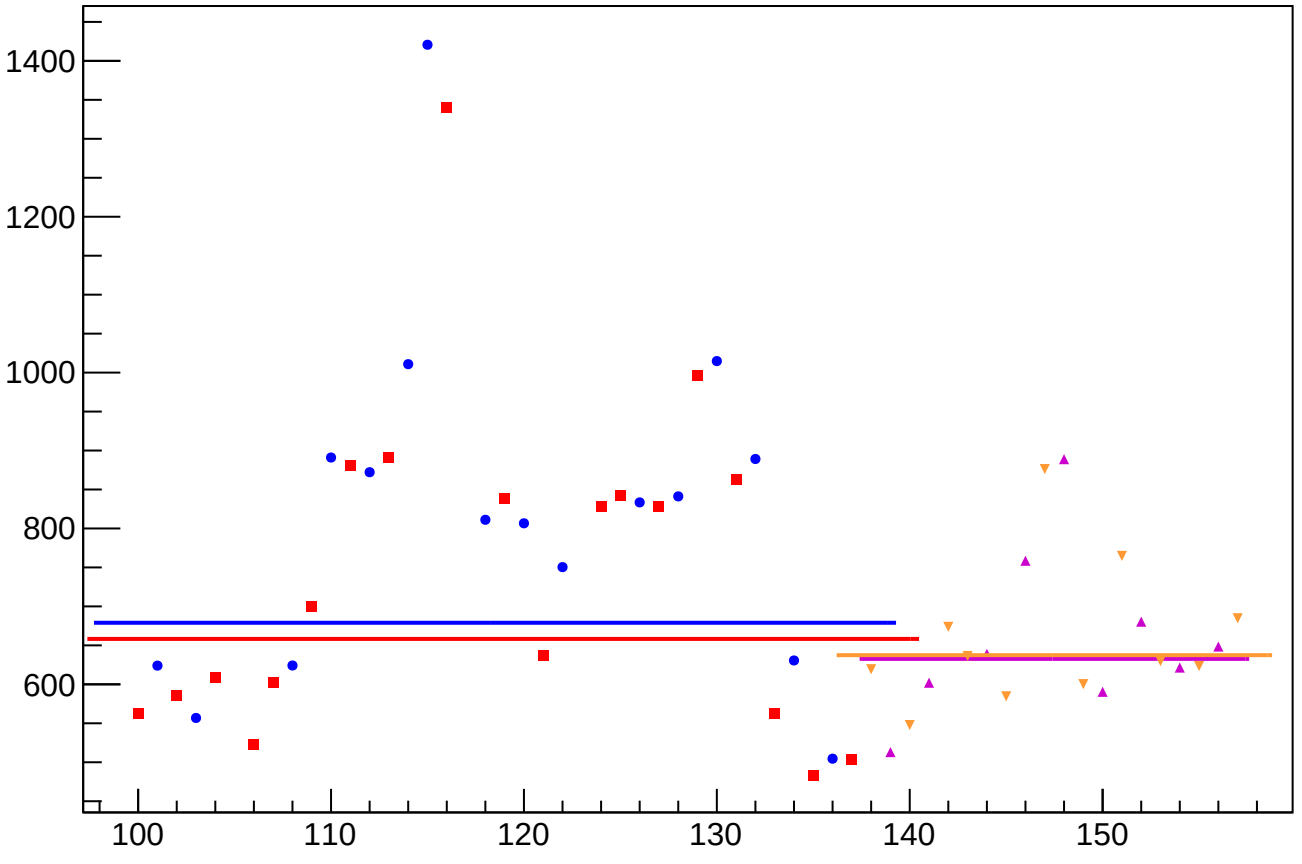
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 286.668+/-229.449 χ^2/NDF:15.5/8

\+ sign 89.097+/-167.361 χ^2/NDF: 22.4/26

All: 226.225+/-118.884 χ^2/NDF: 56.5/54

\- sign 365.890+/-168.903 χ^2/NDF: 32.8/27



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 637.408+/-0.155 χ^2/NDF:242139.6/10

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

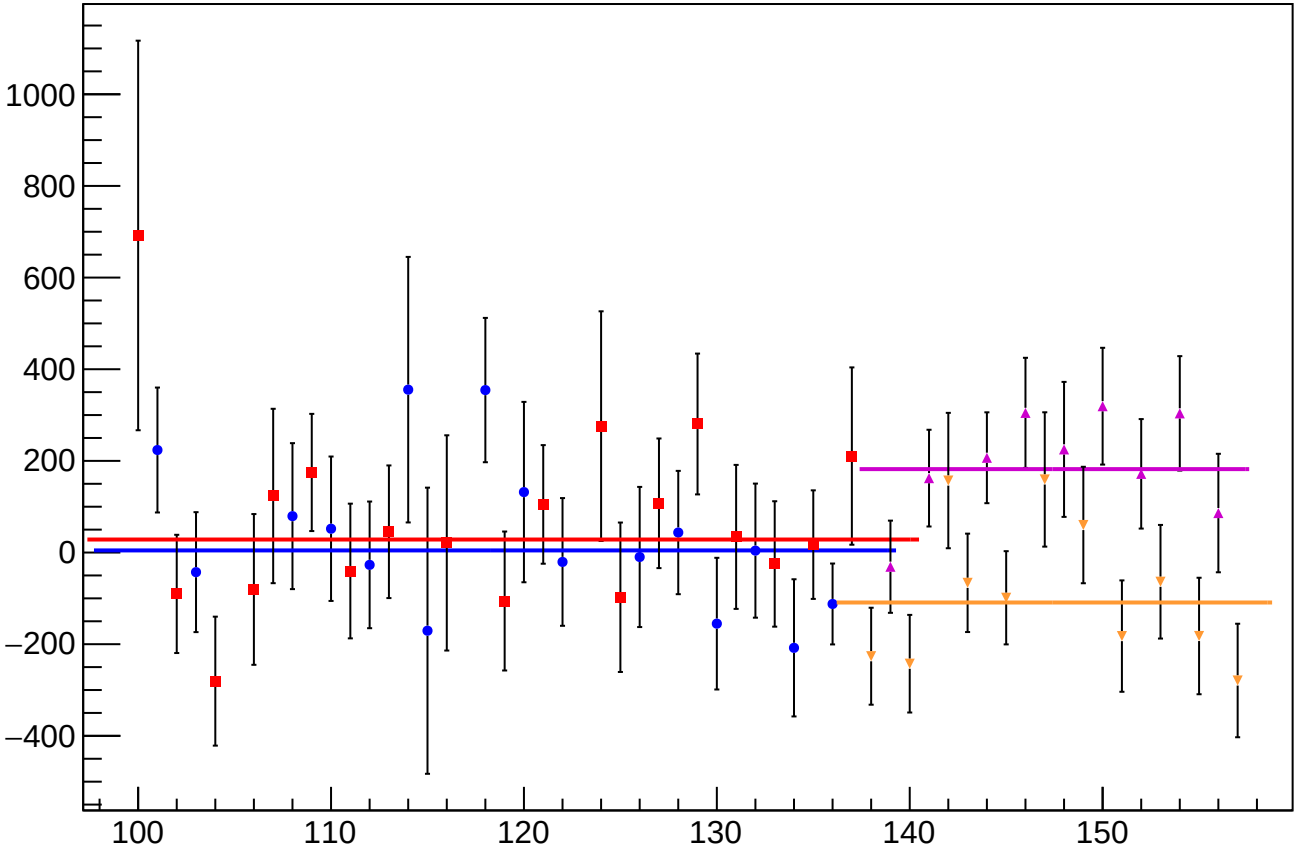
Left In: 632.652+/-0.162 χ^2/NDF:297810.0/8

\+ sign 654.683+/-0.118 χ^2/NDF: 1040123.7/26

All: 649.581+/-0.084 χ^2/NDF: 2158998.5/54

\- sign 644.384+/-0.119 χ^2/NDF: 1115122.7/27

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.026+/-35.920 χ^2/NDF:14.1/10

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

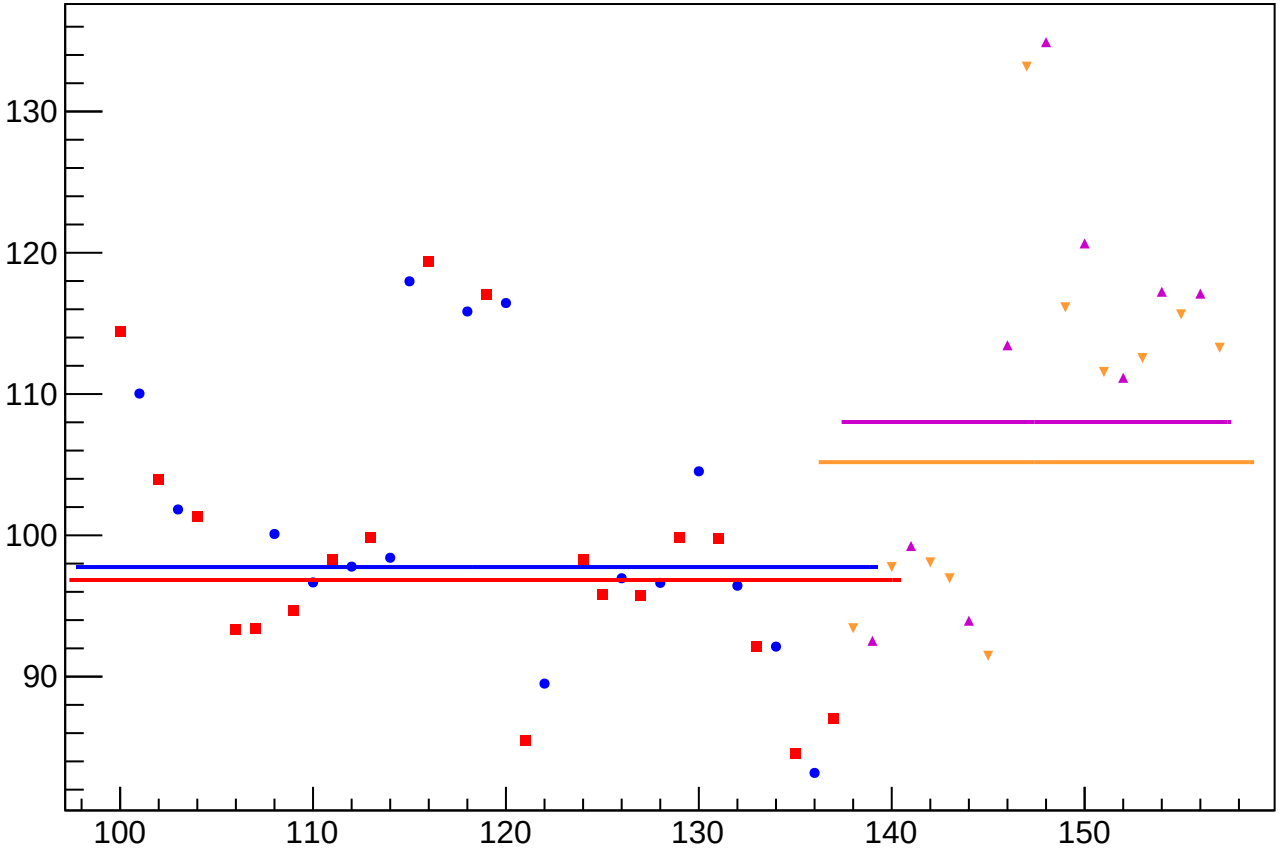
Left In: 182.038+/-38.886 χ^2/NDF:8.4/8

+ sign -53.127+/-25.605 χ^2/NDF: 34.3/26

All: 20.773+/-18.313 χ^2/NDF: 85.4/54

- sign 98.169+/-26.204 χ^2/NDF: 34.0/27

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 105.180+/-0.025 χ^2/NDF:209567.4/10

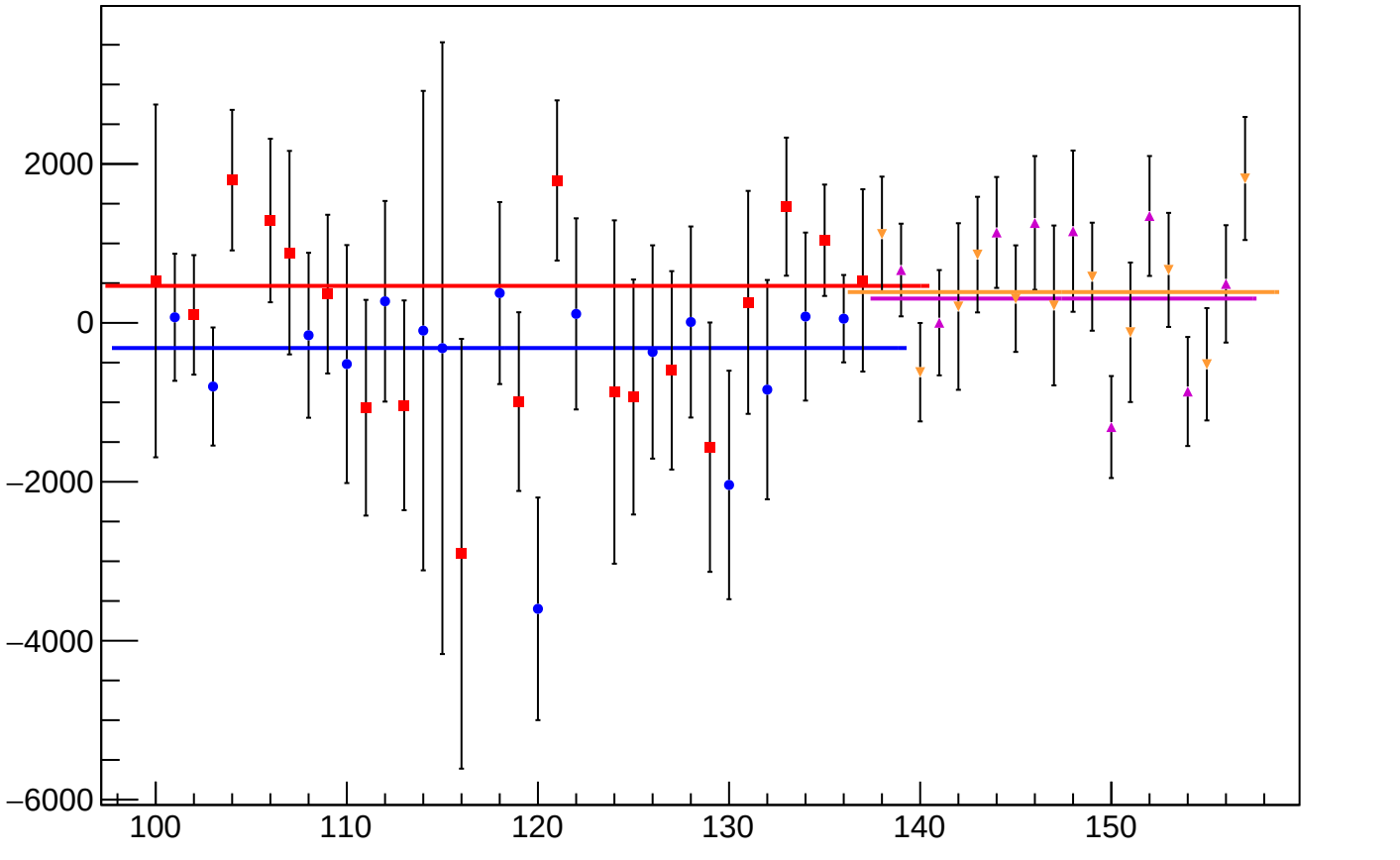
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 108.022+/-0.027 χ^2/NDF:214069.7/8

+ sign 101.528+/-0.018 χ^2/NDF: 392247.3/26

All: 101.718+/-0.013 χ^2/NDF: 811996.7/54

- sign 101.917+/-0.019 χ^2/NDF: 419524.1/27



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

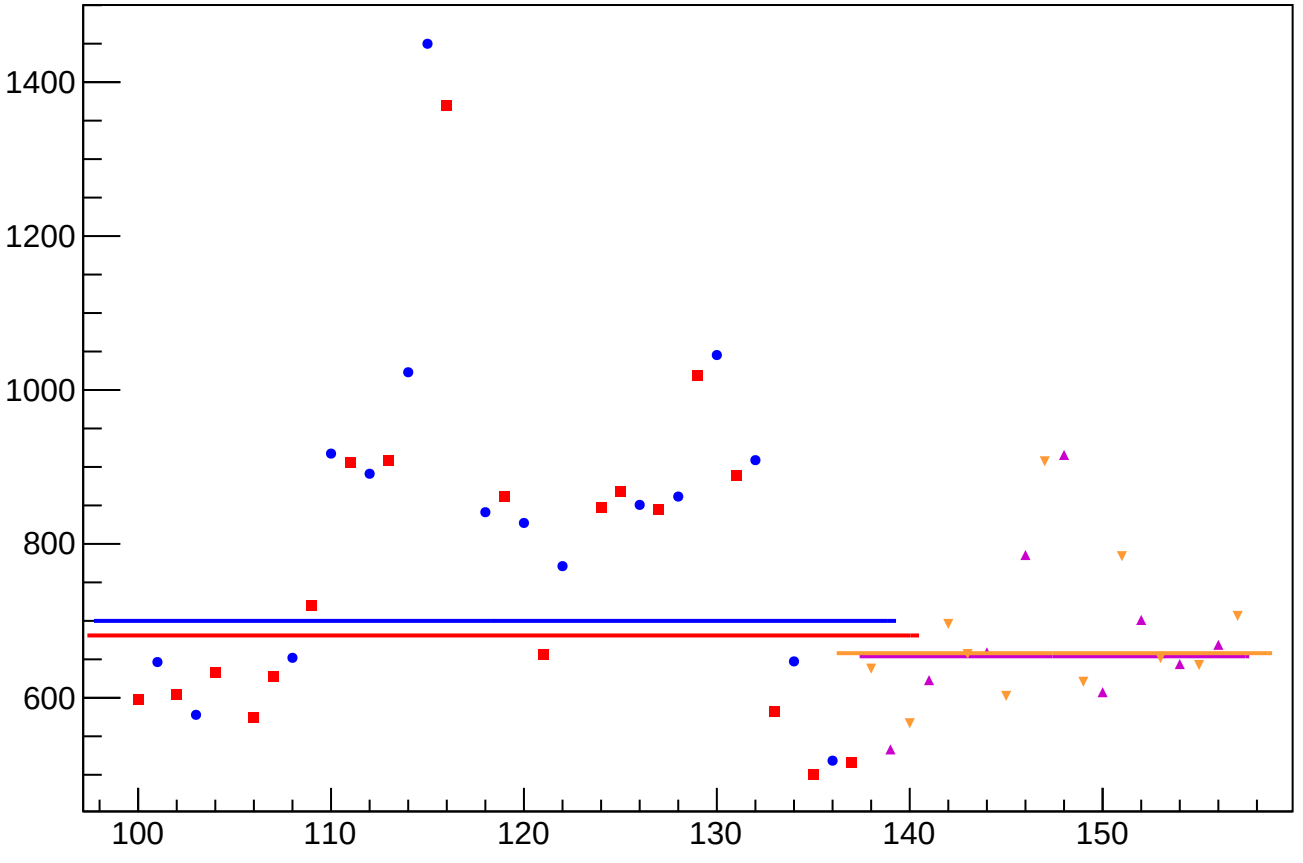
Left In: 305.750+/-237.050 χ^2/NDF:15.2/8

\+ sign 94.831+/-172.581 χ^2/NDF: 23.0/26

All: 235.805+/-122.579 χ^2/NDF: 56.2/54

\- sign 379.329+/-174.136 χ^2/NDF: 31.9/27

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 658.003+/-0.160 χ^2/NDF:240043.4/10

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

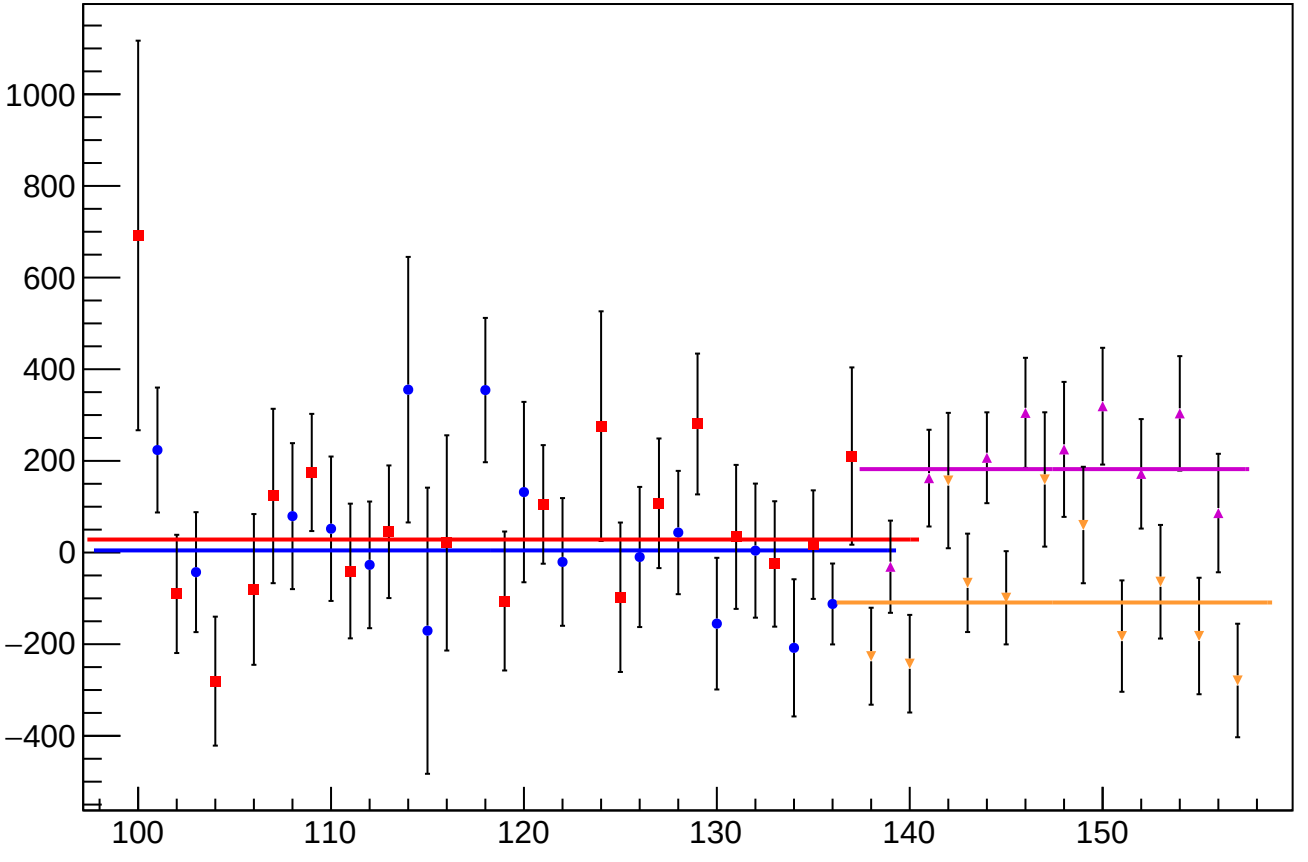
Left In: 653.969+/-0.168 χ^2/NDF:292055.5/8

\+ sign 675.470+/-0.122 χ^2/NDF: 1022448.5/26

All: 670.986+/-0.087 χ^2/NDF: 2098612.6/54

\- sign 666.421+/-0.123 χ^2/NDF: 1073439.4/27

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -109.025+/-35.920 χ^2/NDF:14.1/10

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

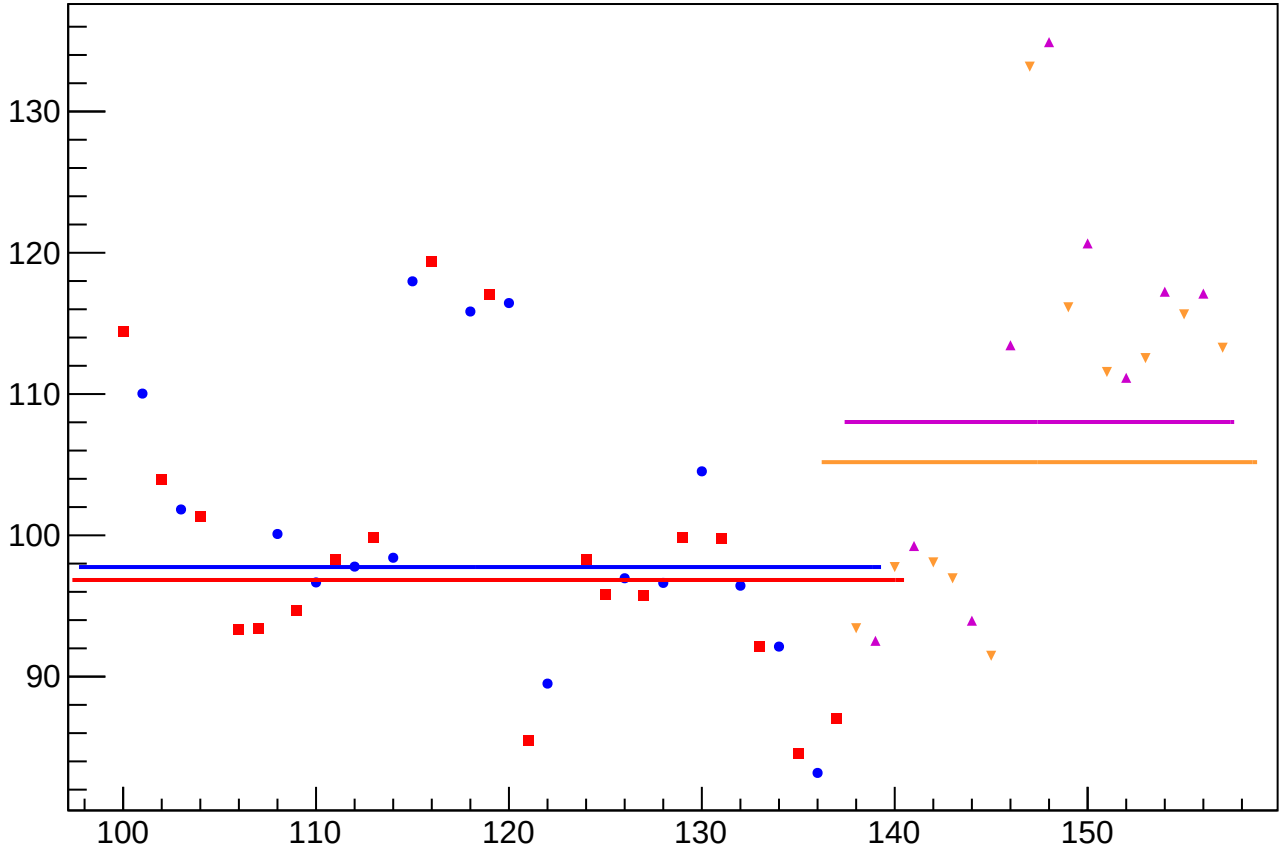
Left In: 182.038+/-38.886 χ^2/NDF:8.4/8

+ sign -53.127+/-25.605 χ^2/NDF: 34.3/26

All: 20.773+/-18.313 χ^2/NDF: 85.4/54

- sign 98.169+/-26.203 χ^2/NDF: 34.0/27

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 105.180+/-0.025 χ^2/NDF:209568.5/10

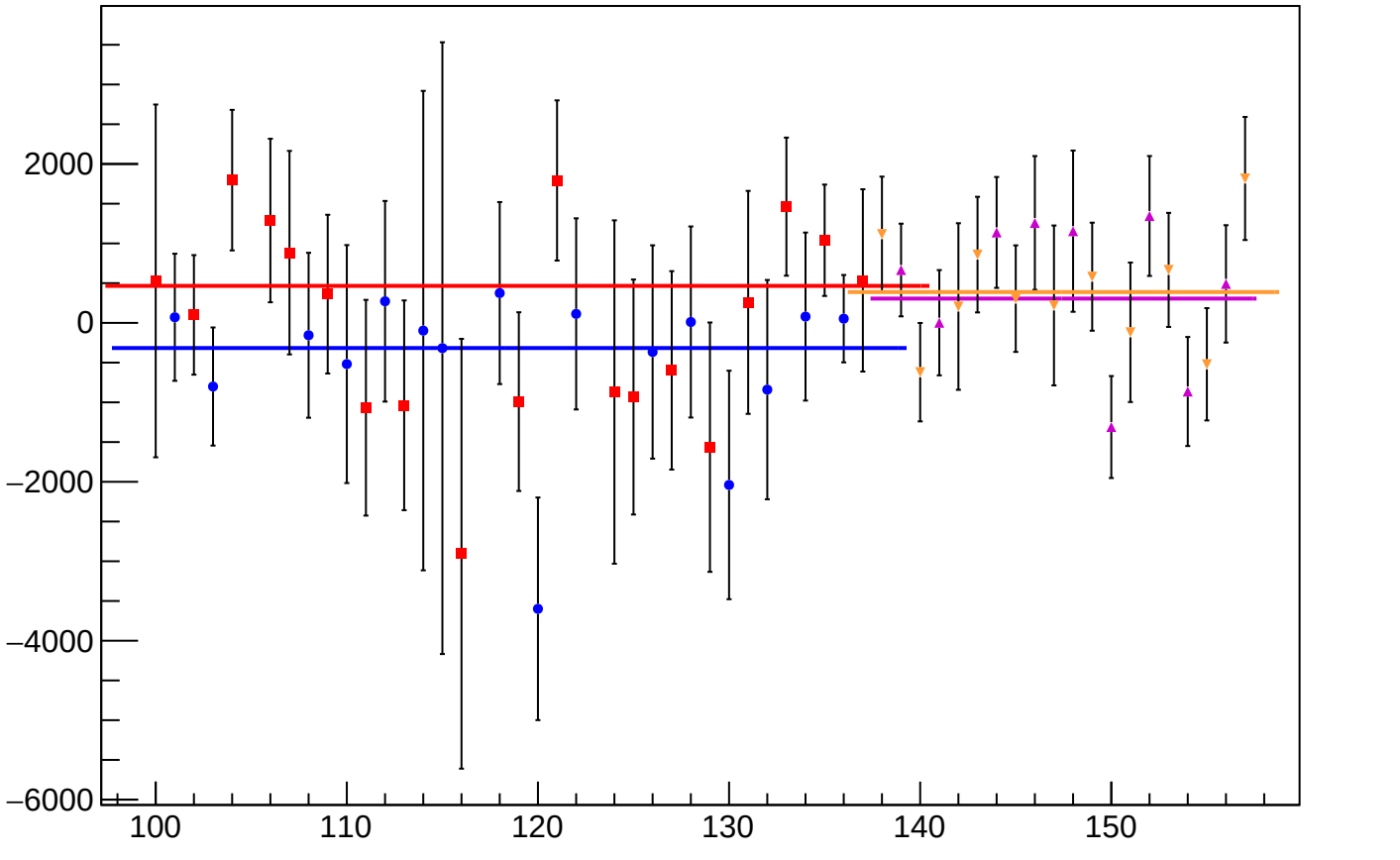
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 108.022+/-0.027 χ^2/NDF:214069.5/8

+ sign 101.528+/-0.018 χ^2/NDF: 392253.7/26

All: 101.718+/-0.013 χ^2/NDF: 812013.4/54

- sign 101.917+/-0.019 χ^2/NDF: 419534.5/27



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 388.113+/-225.870 χ^2/NDF:9.8/10

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

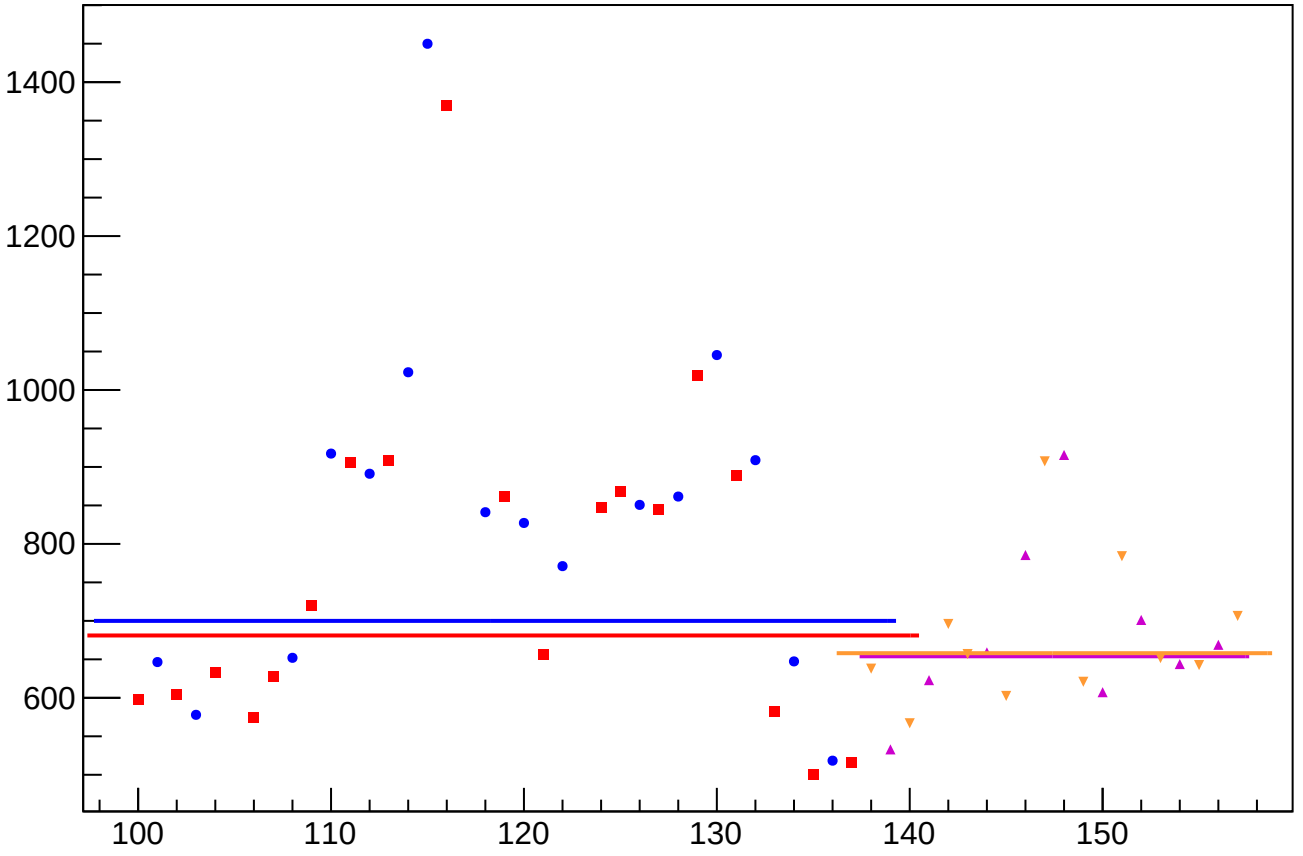
Left In: 305.752+/-237.050 χ^2/NDF:15.2/8

\+ sign 94.830+/-172.581 χ^2/NDF: 23.0/26

All: 235.805+/-122.579 χ^2/NDF: 56.2/54

\- sign 379.330+/-174.136 χ^2/NDF: 31.9/27

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 658.004+/-0.160 χ^2/NDF:240042.8/10

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

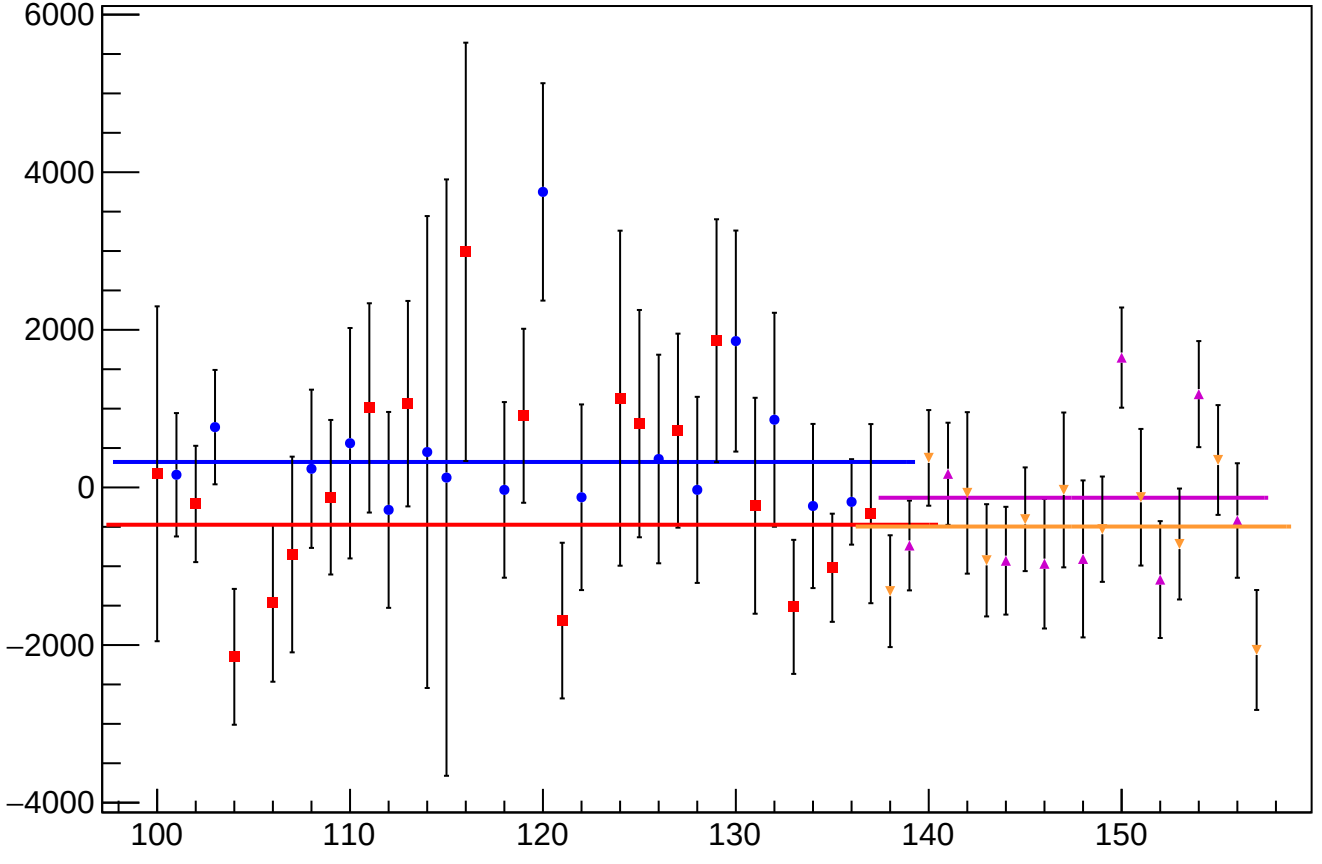
Left In: 653.971+/-0.168 χ^2/NDF:292055.2/8

+ sign 675.470+/-0.122 χ^2/NDF: 1022447.2/26

All: 670.986+/-0.087 χ^2/NDF: 2098611.8/54

- sign 666.421+/-0.123 χ^2/NDF: 1073439.8/27

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -496.246+/-221.686 χ^2/NDF:10.2/10

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

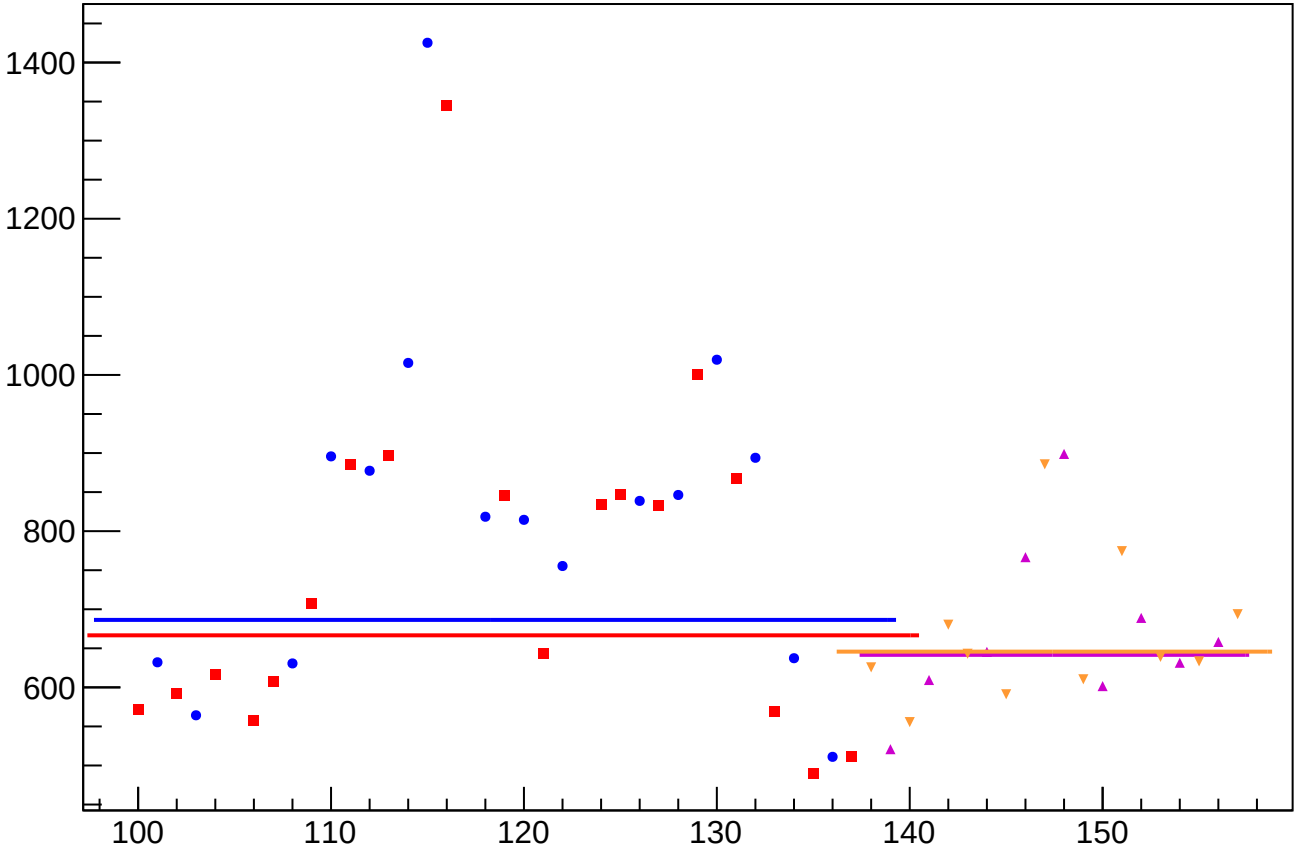
Left In: -130.942+/-232.625 χ^2/NDF:18.1/8

+ sign -154.856+/-169.324 χ^2/NDF: 25.6/26

All: -221.316+/-120.221 χ^2/NDF: 64.4/54

- sign -288.878+/-170.721 χ^2/NDF: 38.5/27

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 645.769+/-0.157 χ^2/NDF:239443.8/10

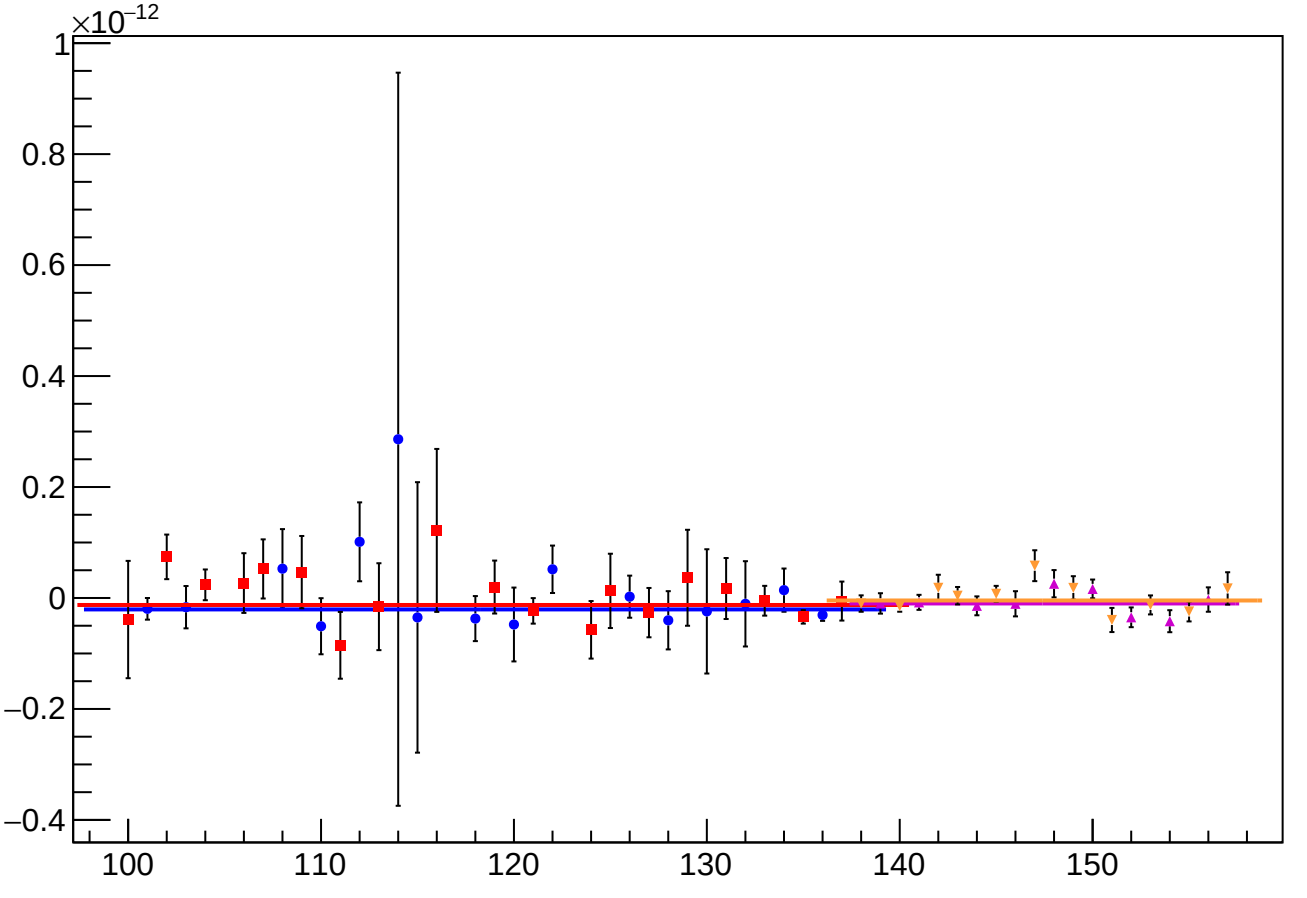
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 641.653+/-0.164 χ^2/NDF:292037.5/8

+ sign 662.694+/-0.120 χ^2/NDF: 1016880.7/26

All: 657.976+/-0.085 χ^2/NDF: 2099725.9/54

- sign 653.179+/-0.121 χ^2/NDF: 1079713.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/10

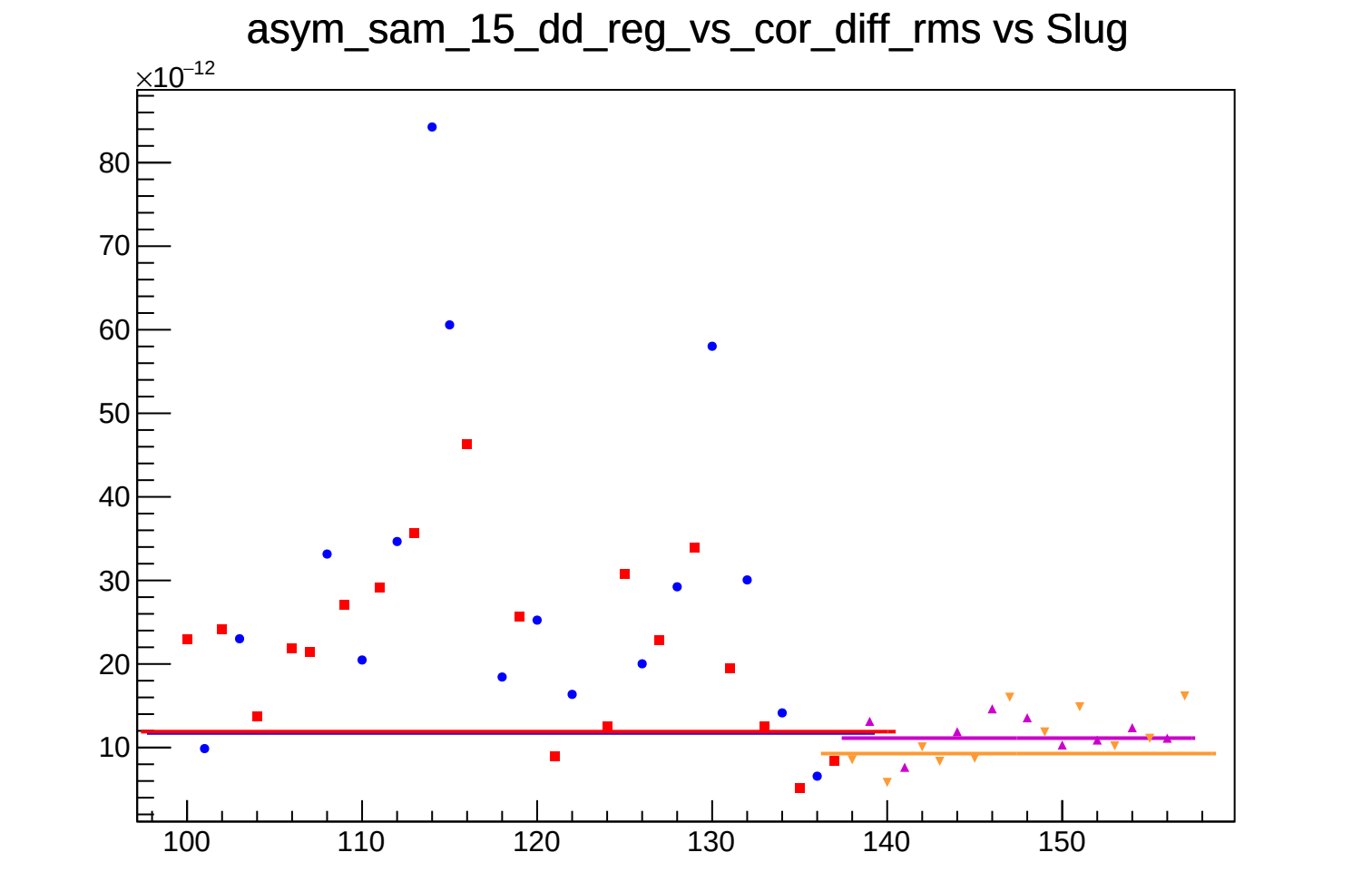
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/8

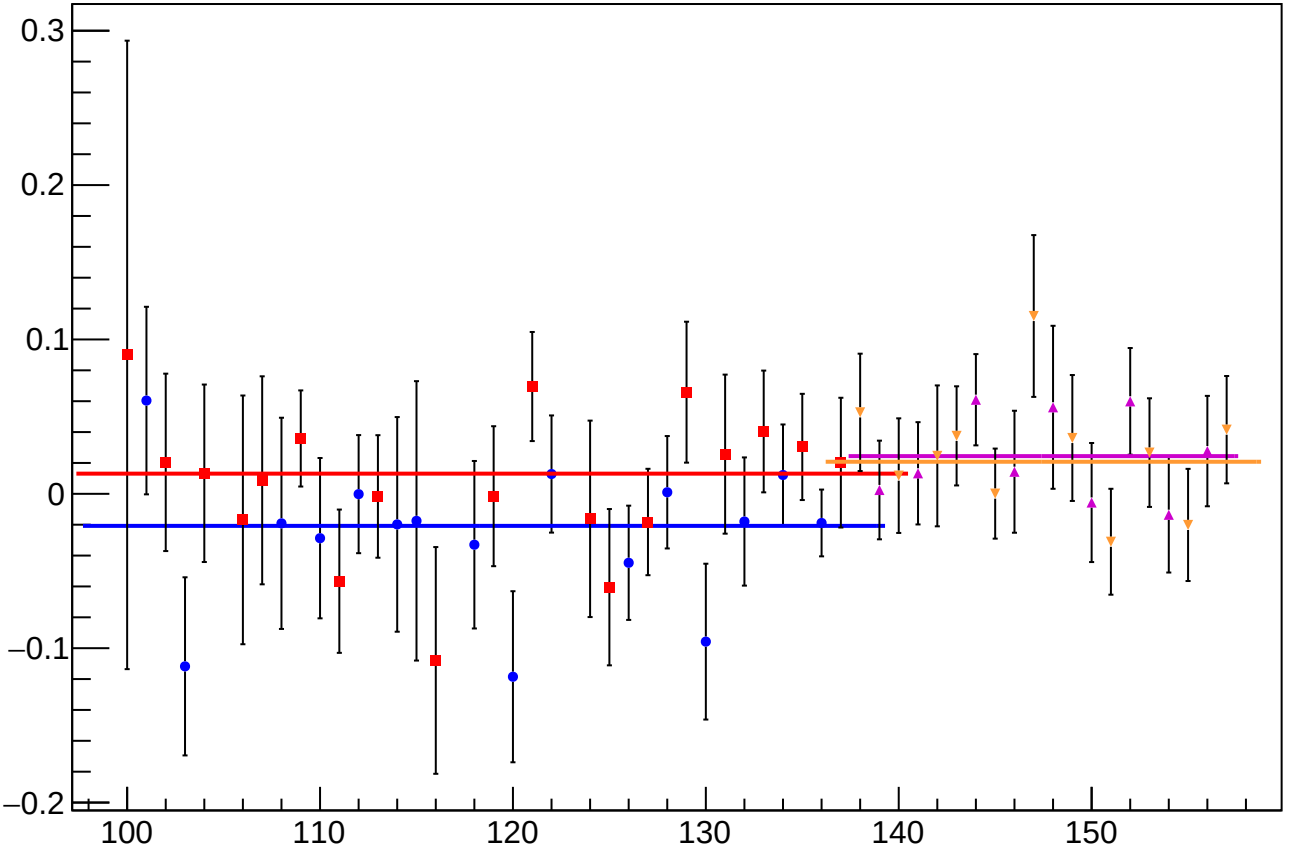
+ sign -0.000+/-0.000 χ^2/NDF: 26.9/26

All: -0.000+/-0.000 χ^2/NDF: 53.4/54

- sign -0.000+/-0.000 χ^2/NDF: 26.4/27


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:675576.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:241027.5/8
+ sign 0.000+/-0.000 χ²/NDF: 2977039.4/26
All: 0.000+/-0.000 χ²/NDF: 5528190.9/54
- sign 0.000+/-0.000 χ²/NDF: 2455601.8/27

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

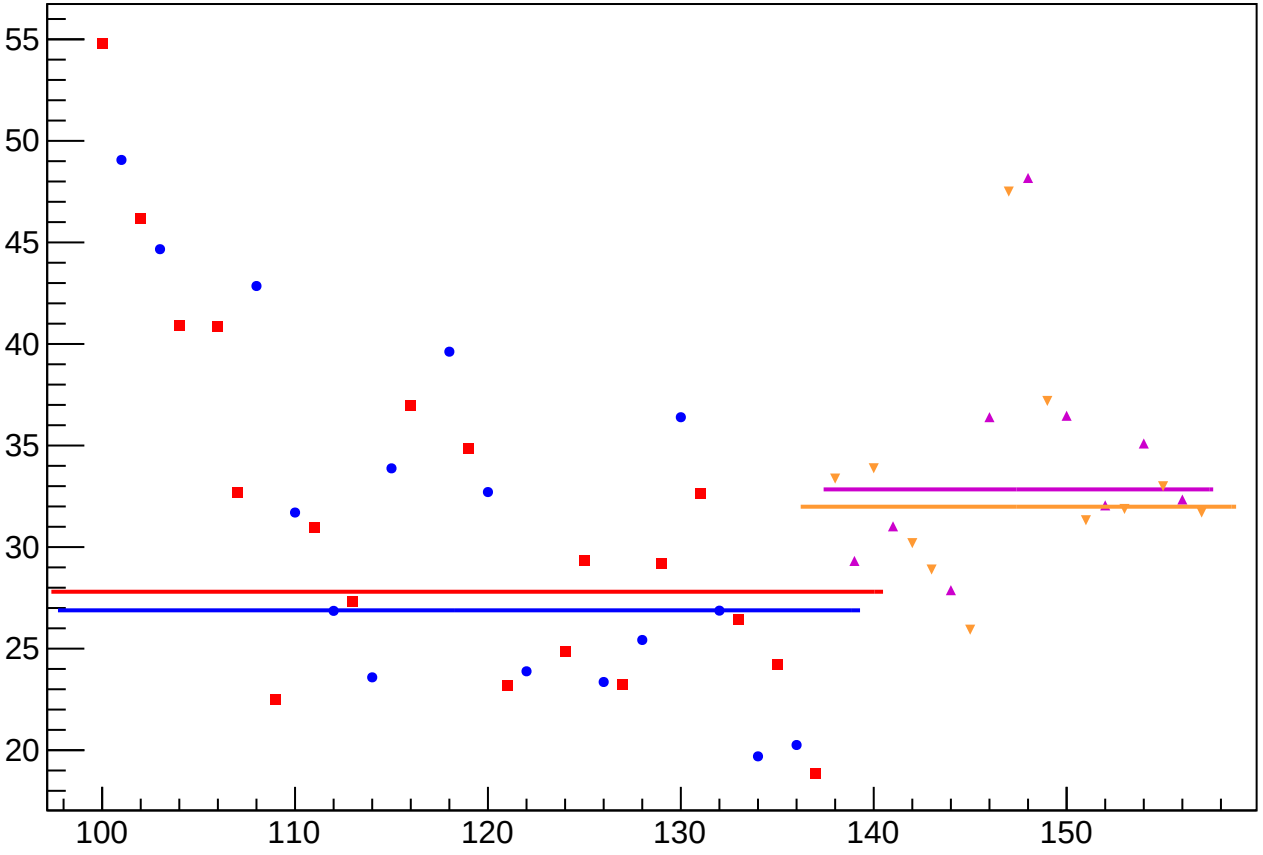
Left In: 0.024+/-0.012 χ^2/NDF:5.2/8

+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.008+/-0.005 χ^2/NDF: 51.5/54

- sign 0.018+/-0.008 χ^2/NDF: 19.7/27

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

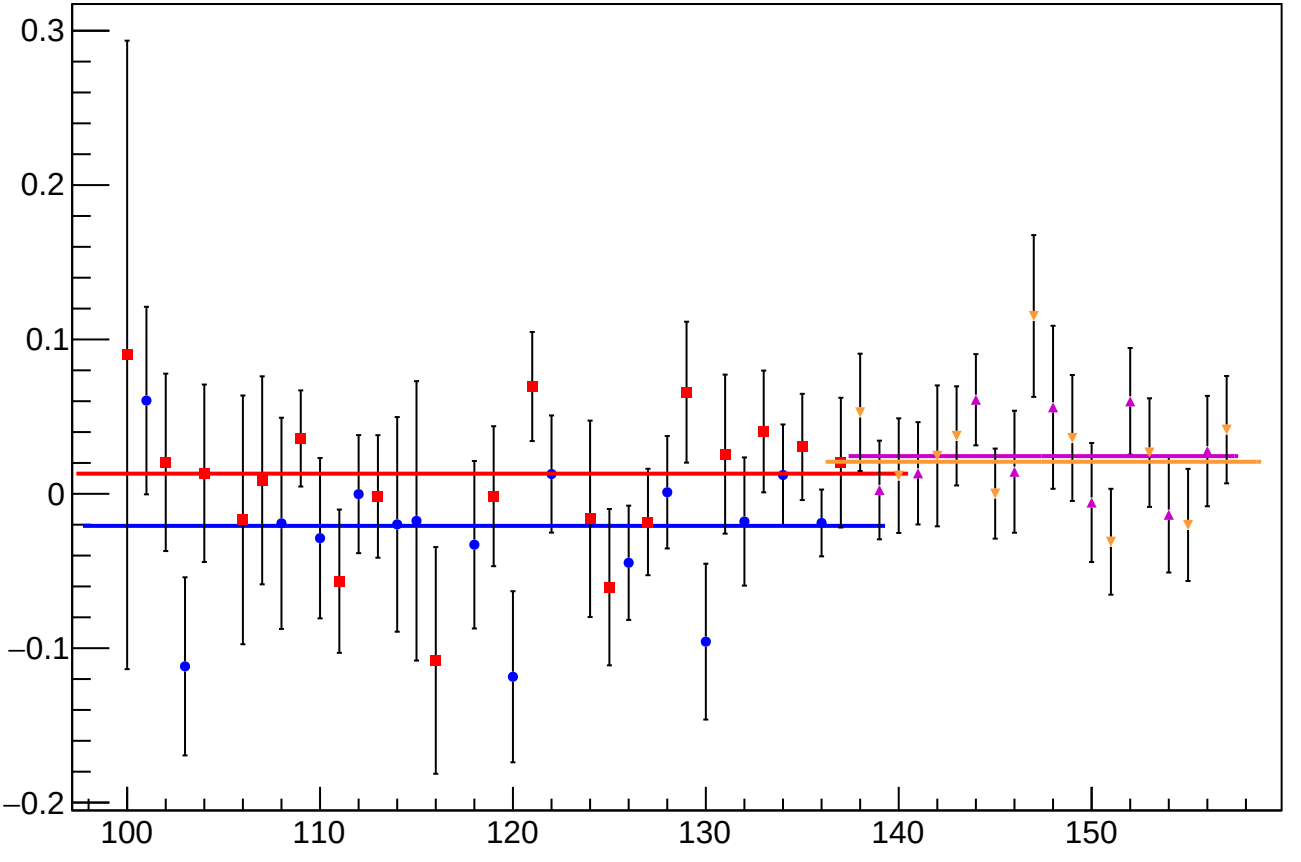
Left In: 32.840+/-0.008 χ^2/NDF:297985.6/8

+ sign 29.318+/-0.005 χ^2/NDF: 1671327.1/26

All: 29.653+/-0.004 χ^2/NDF: 2940993.4/54

- sign 30.013+/-0.006 χ^2/NDF: 1261625.6/27

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

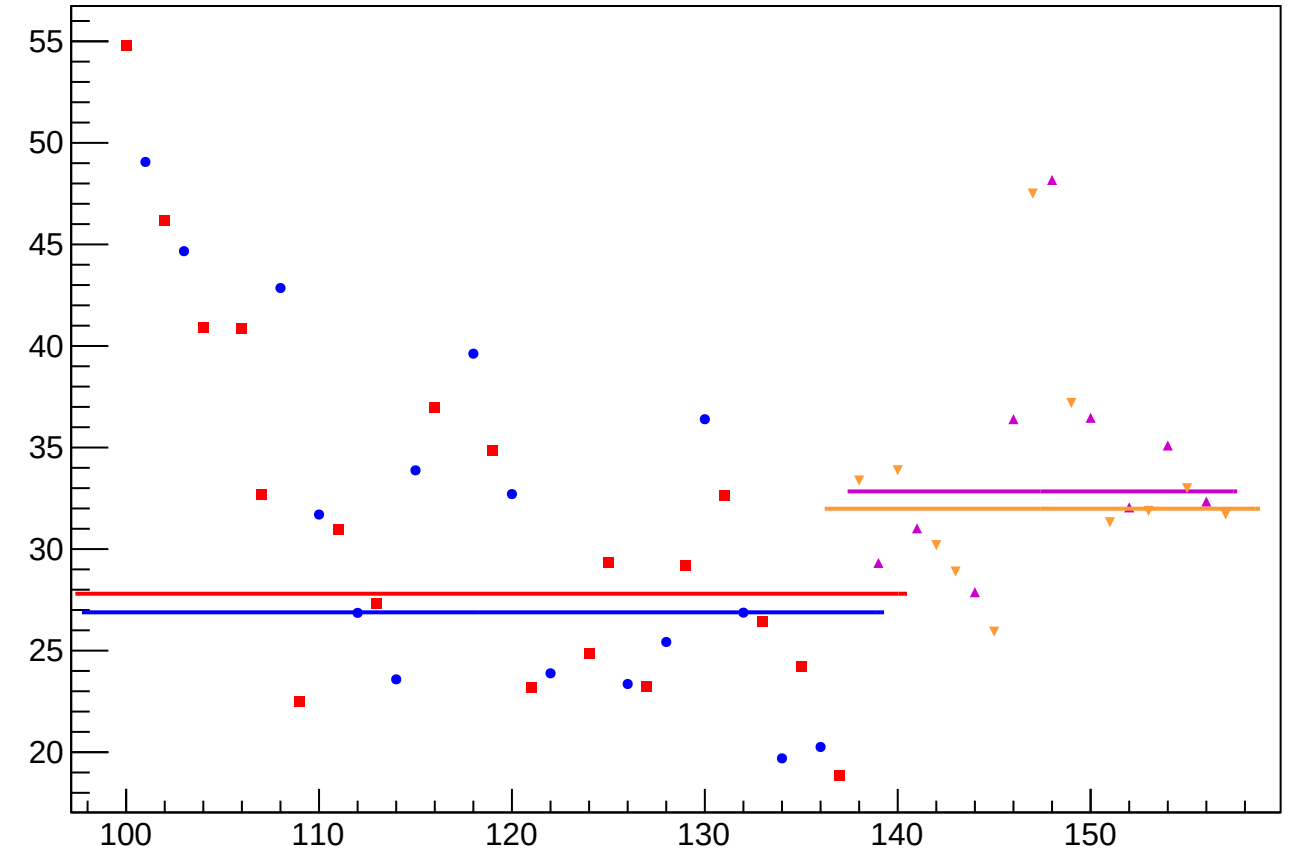
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.024+/-0.012 χ^2/NDF:5.2/8

+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.008+/-0.005 χ^2/NDF: 51.5/54

- sign 0.018+/-0.008 χ^2/NDF: 19.7/27



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326023.6/10

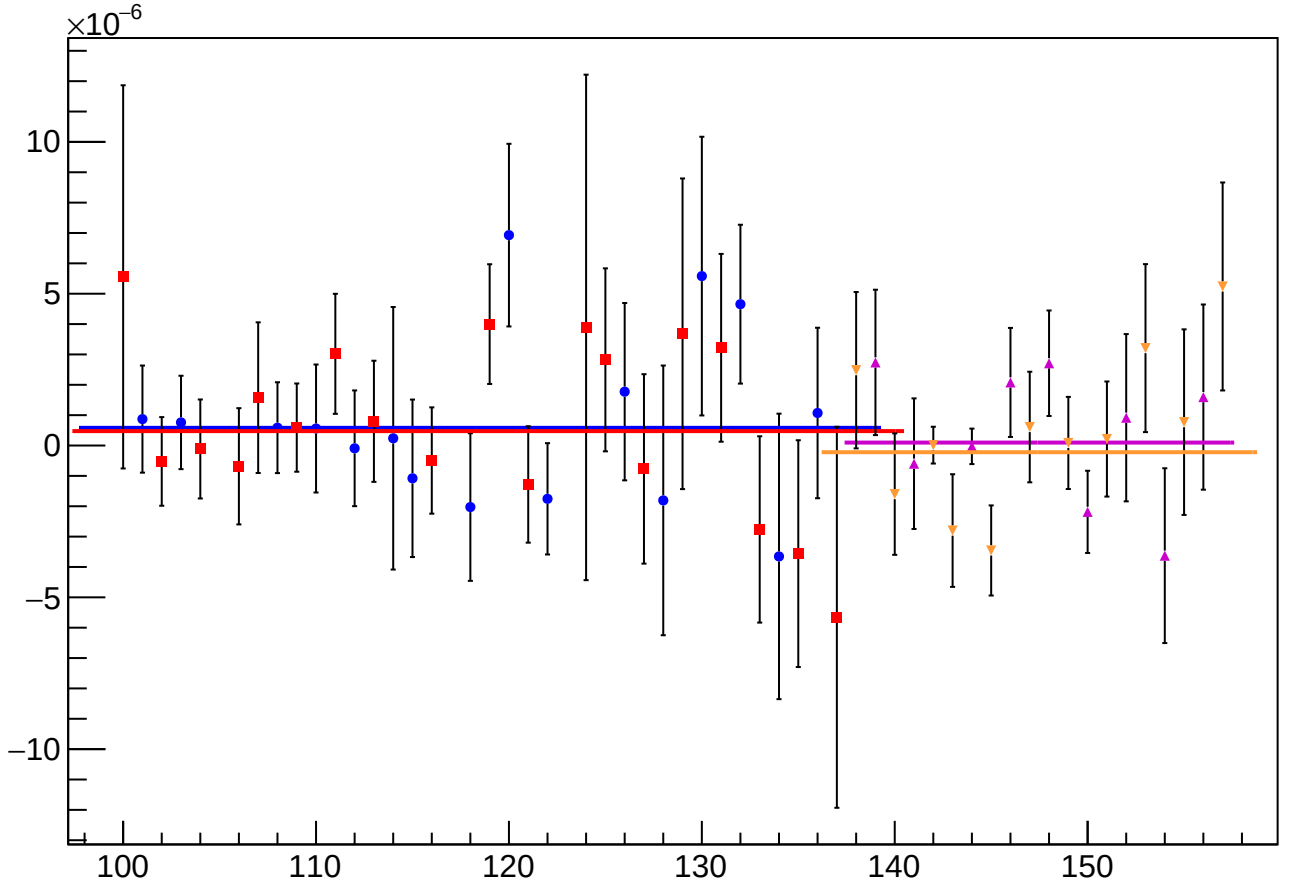
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.840+/-0.008 χ^2/NDF:297985.6/8

+ sign 29.318+/-0.005 χ^2/NDF: 1671327.1/26

All: 29.653+/-0.004 χ^2/NDF: 2940993.4/54

- sign 30.013+/-0.006 χ^2/NDF: 1261625.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/10

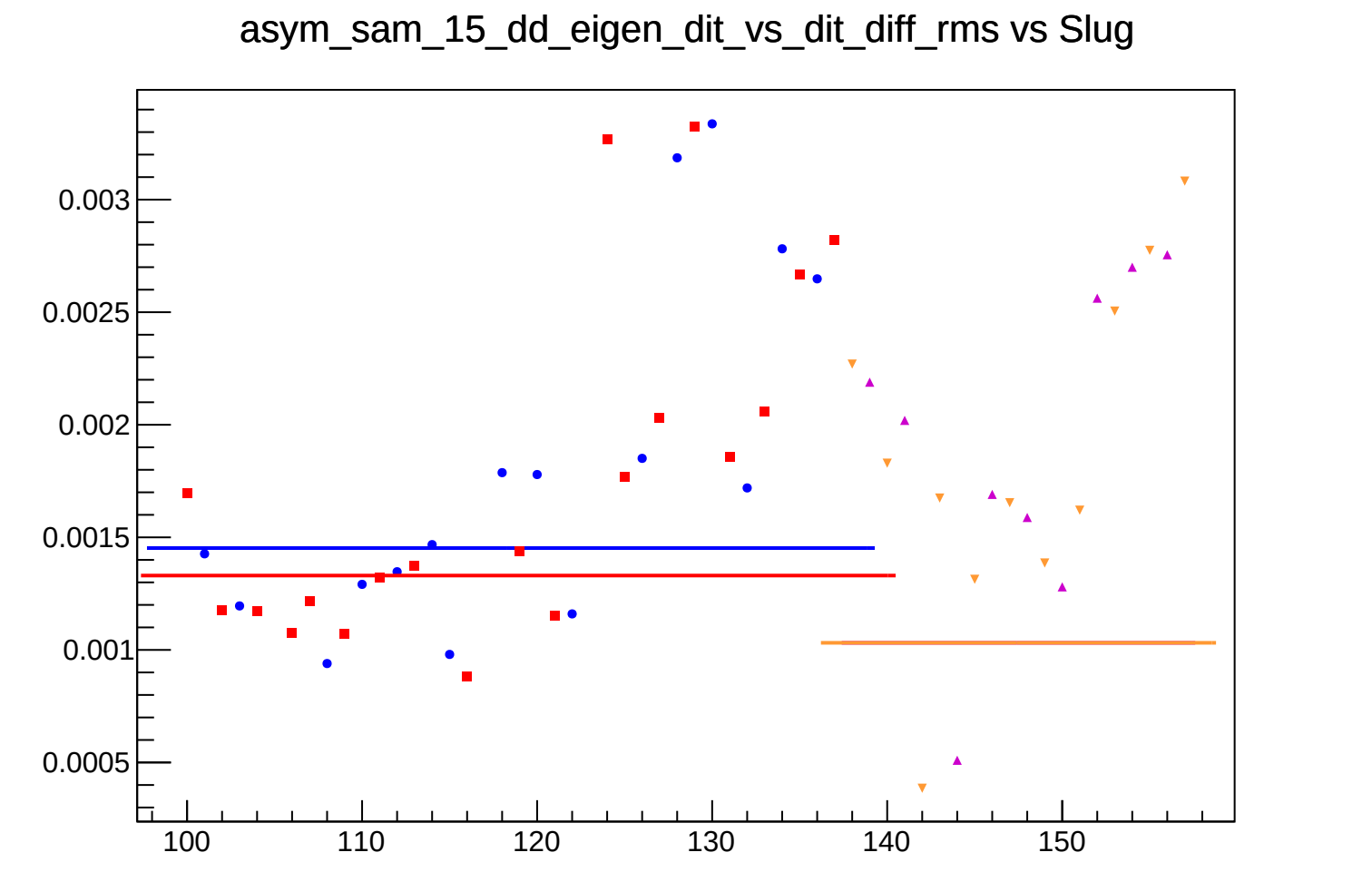
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/8

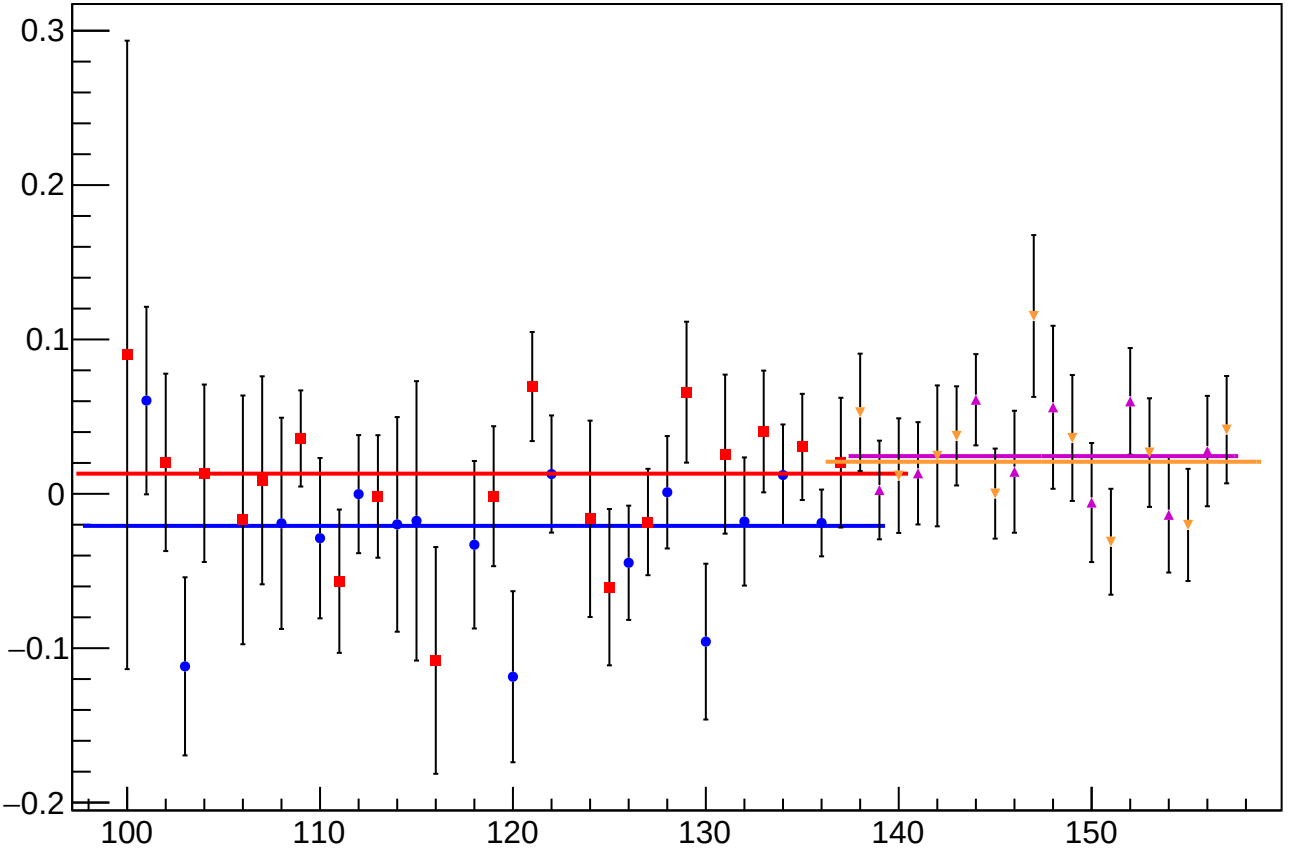
+ sign 0.000+/-0.000 χ^2/NDF: 26.8/26

All: 0.000+/-0.000 χ^2/NDF: 50.2/54

- sign 0.000+/-0.000 χ^2/NDF: 23.2/27


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5839442.4/10
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:4955555.7/8
+ sign 0.001+/-0.000 χ²/NDF: 8224992.1/26
All: 0.001+/-0.000 χ²/NDF: 14964906.6/54
- sign 0.001+/-0.000 χ²/NDF: 6734807.2/27

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.021+/-0.011 χ^2/NDF:8.9/10

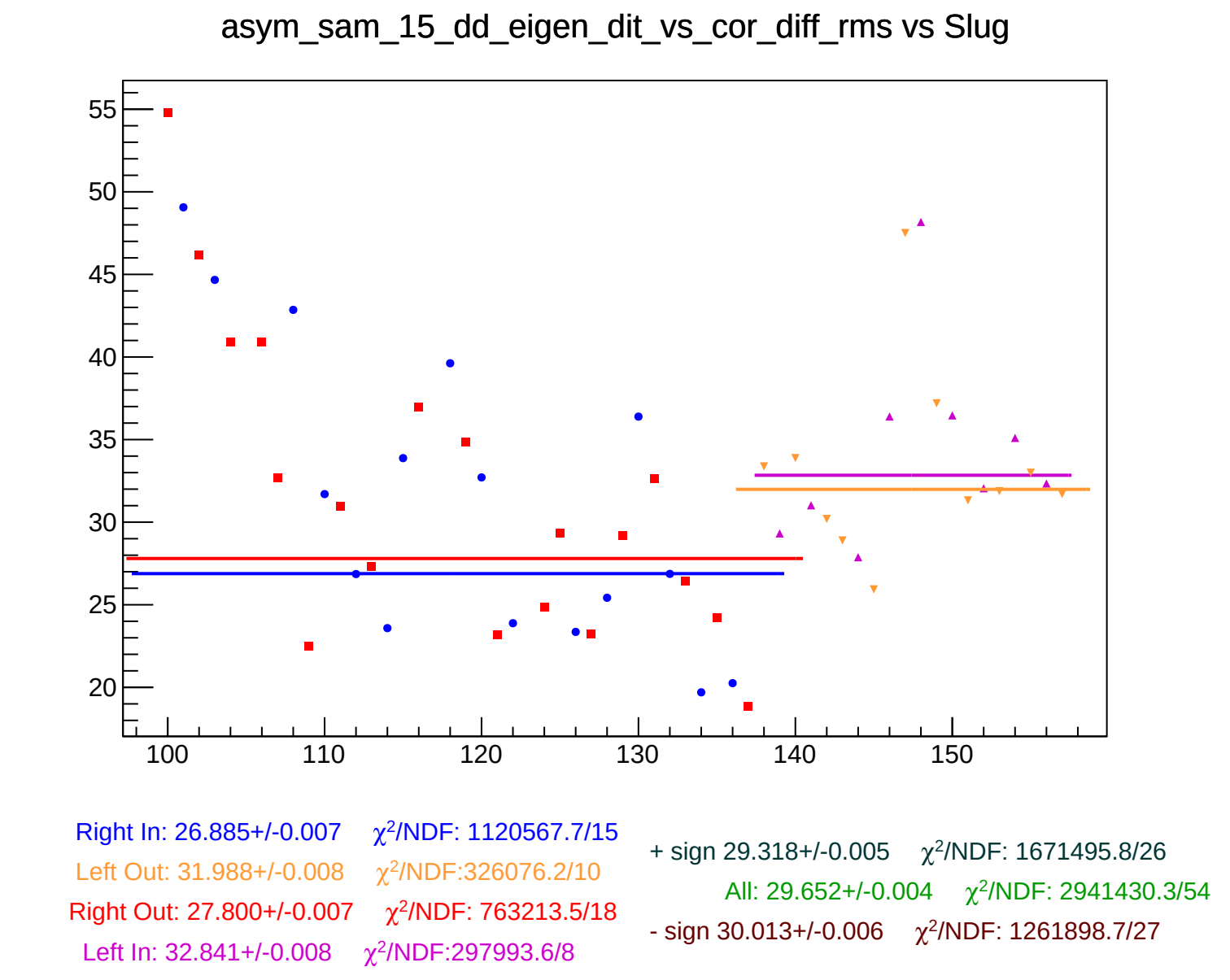
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

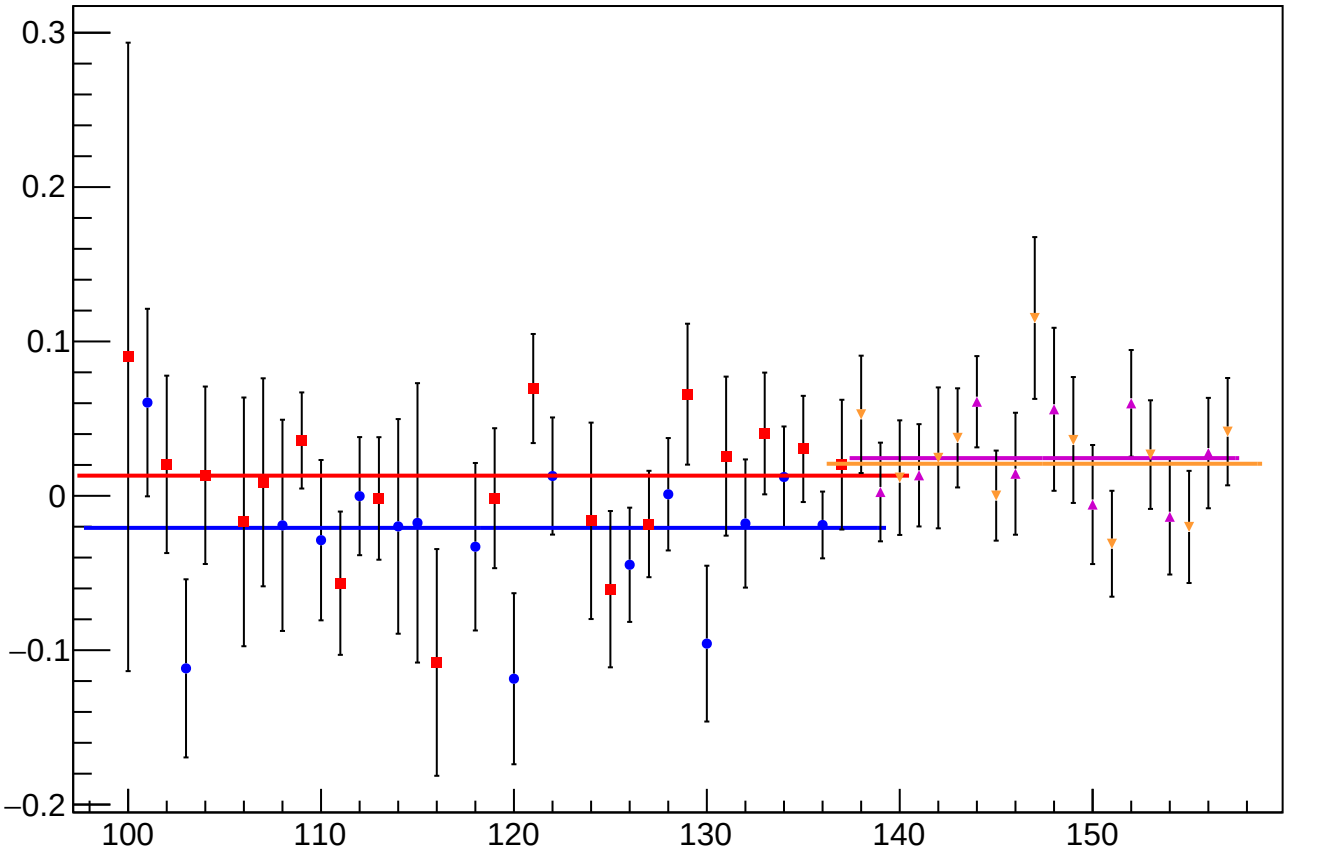
Left In: 0.024+/-0.012 χ^2/NDF:5.2/8

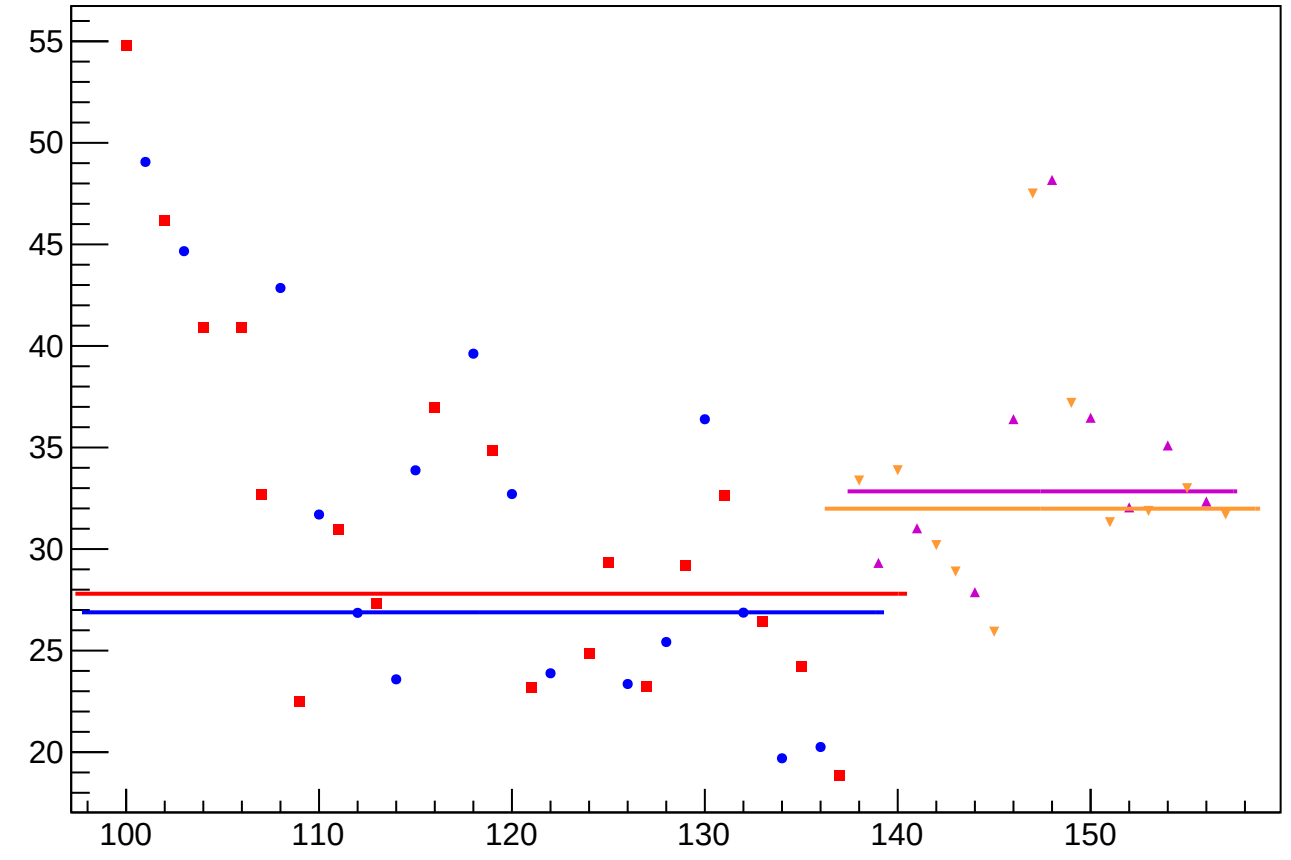
+ sign -0.001+/-0.008 χ^2/NDF: 28.9/26

All: 0.008+/-0.005 χ^2/NDF: 51.5/54

- sign 0.018+/-0.008 χ^2/NDF: 19.7/27


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
55
50
45
40
35
30
25
20
100
110
120
130
140
150
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.988+/-0.008 χ²/NDF:326076.2/10
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.841+/-0.008 χ²/NDF:297993.6/8
+ sign 29.318+/-0.005 χ²/NDF: 1671495.8/26
All: 29.652+/-0.004 χ²/NDF: 2941430.3/54
- sign 30.013+/-0.006 χ²/NDF: 1261898.7/27


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.021+/-0.011 χ²/NDF:8.9/10
Right Out: 0.013+/-0.011 χ²/NDF: 13.9/18
Left In: 0.024+/-0.012 χ²/NDF:5.2/8
+ sign -0.001+/-0.008 χ²/NDF: 28.9/26
All: 0.008+/-0.005 χ²/NDF: 51.5/54
- sign 0.018+/-0.008 χ²/NDF: 19.7/27



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.988+/-0.008 χ^2/NDF:326076.2/10

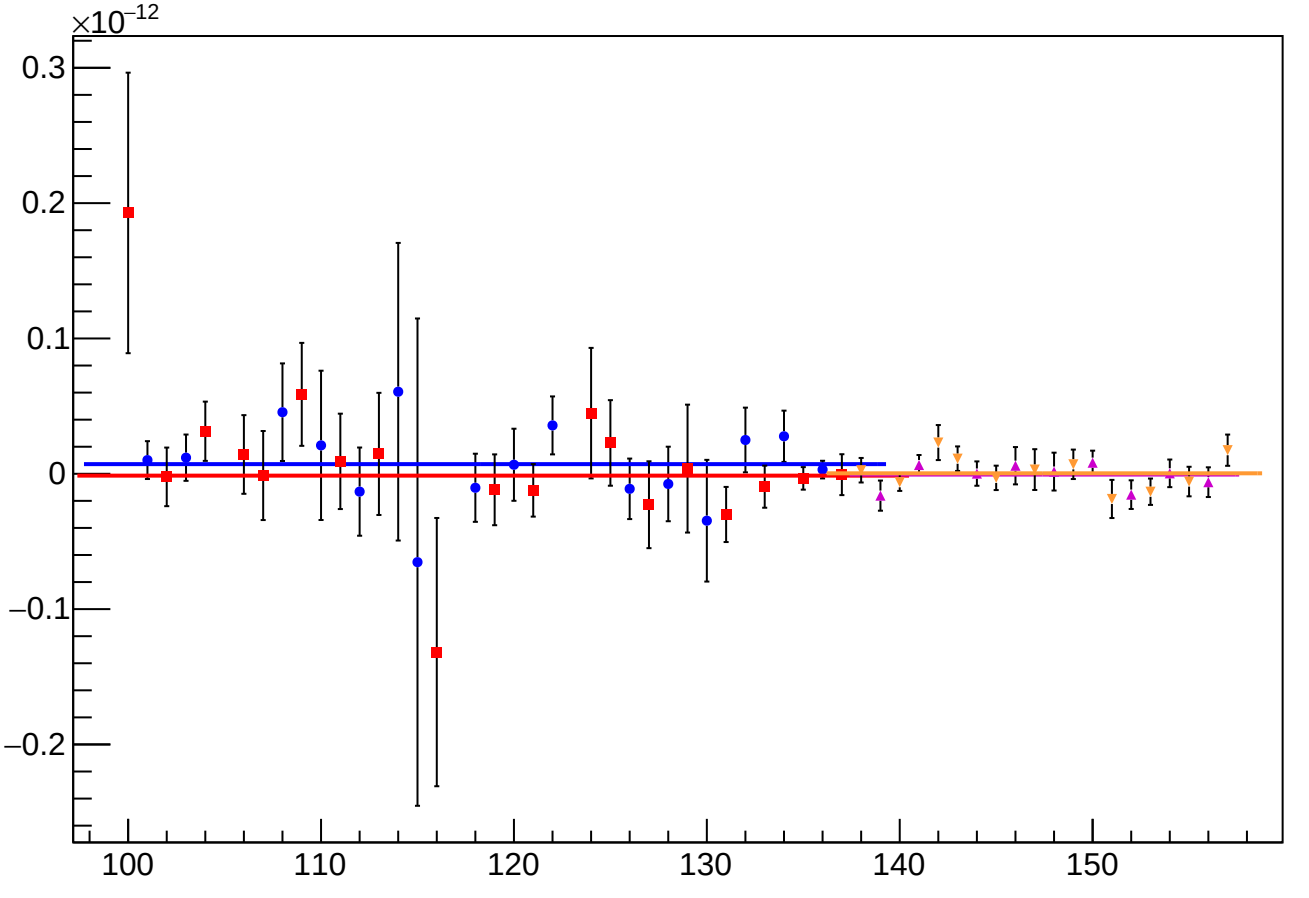
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.841+/-0.008 χ^2/NDF:297993.6/8

+ sign 29.318+/-0.005 χ^2/NDF: 1671495.8/26

All: 29.652+/-0.004 χ^2/NDF: 2941430.3/54

- sign 30.013+/-0.006 χ^2/NDF: 1261898.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/10

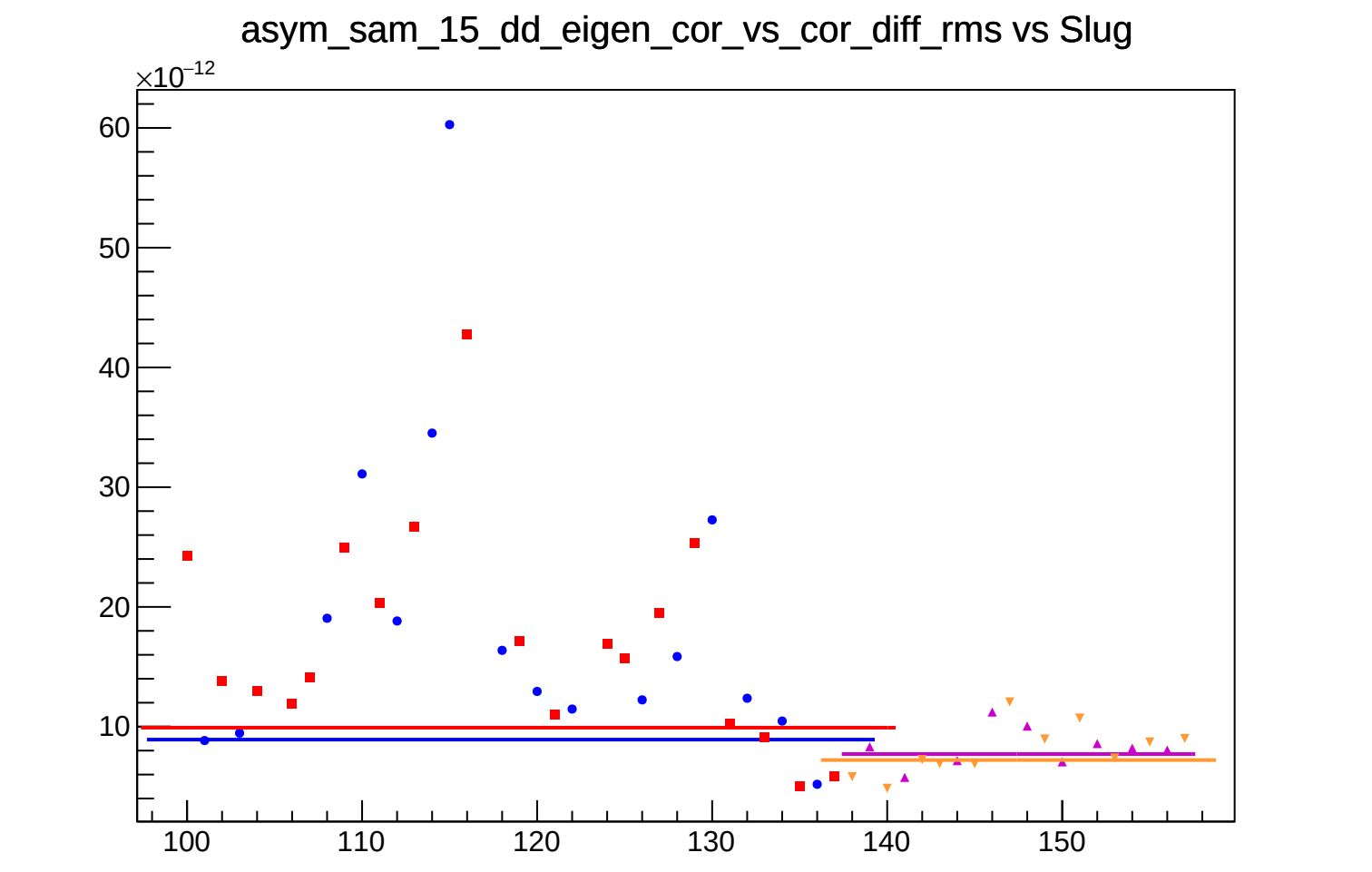
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 22.3/26

All: 0.000+/-0.000 χ^2/NDF: 44.6/54

- sign -0.000+/-0.000 χ^2/NDF: 21.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:792097.2/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

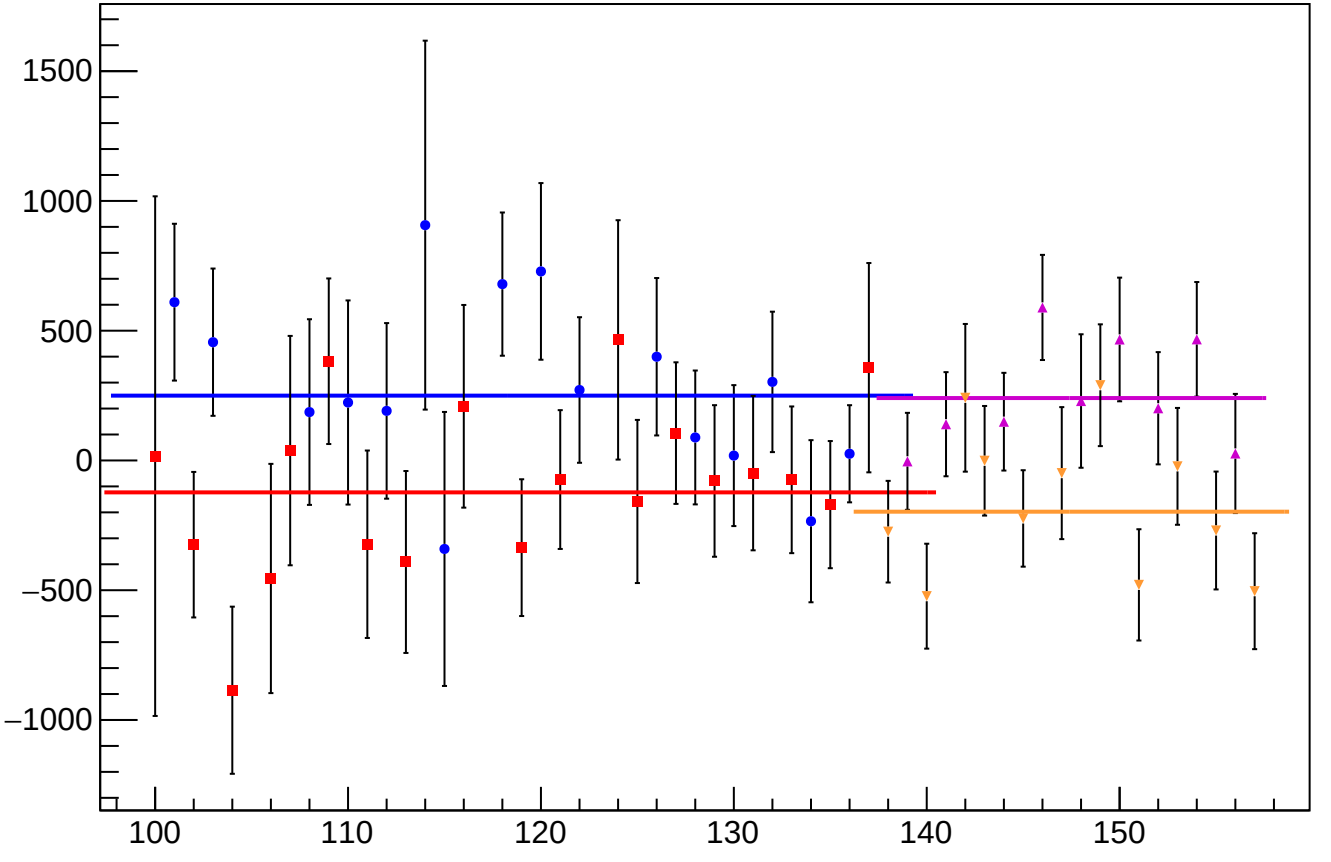
Left In: 0.000+/-0.000 χ^2/NDF:368674.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 3389572.0/26

All: 0.000+/-0.000 χ^2/NDF: 6765940.2/54

- sign 0.000+/-0.000 χ^2/NDF: 3309424.8/27

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.412+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

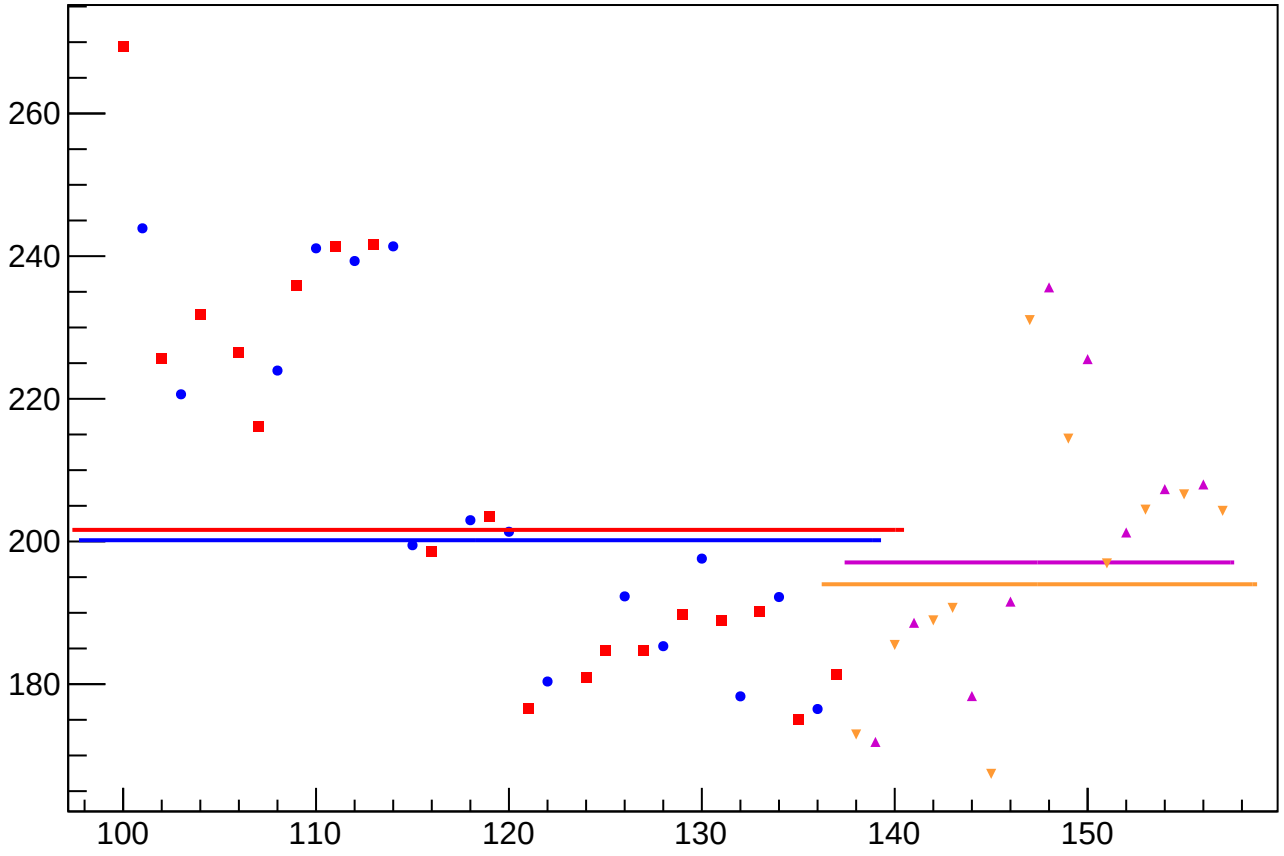
Left In: 240.464+/-70.769 χ^2/NDF:8.0/8

+ sign -1.534+/-49.557 χ^2/NDF: 48.8/26

All: 31.931+/-35.631 χ^2/NDF: 85.8/54

- sign 67.746+/-51.267 χ^2/NDF: 36.1/27

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

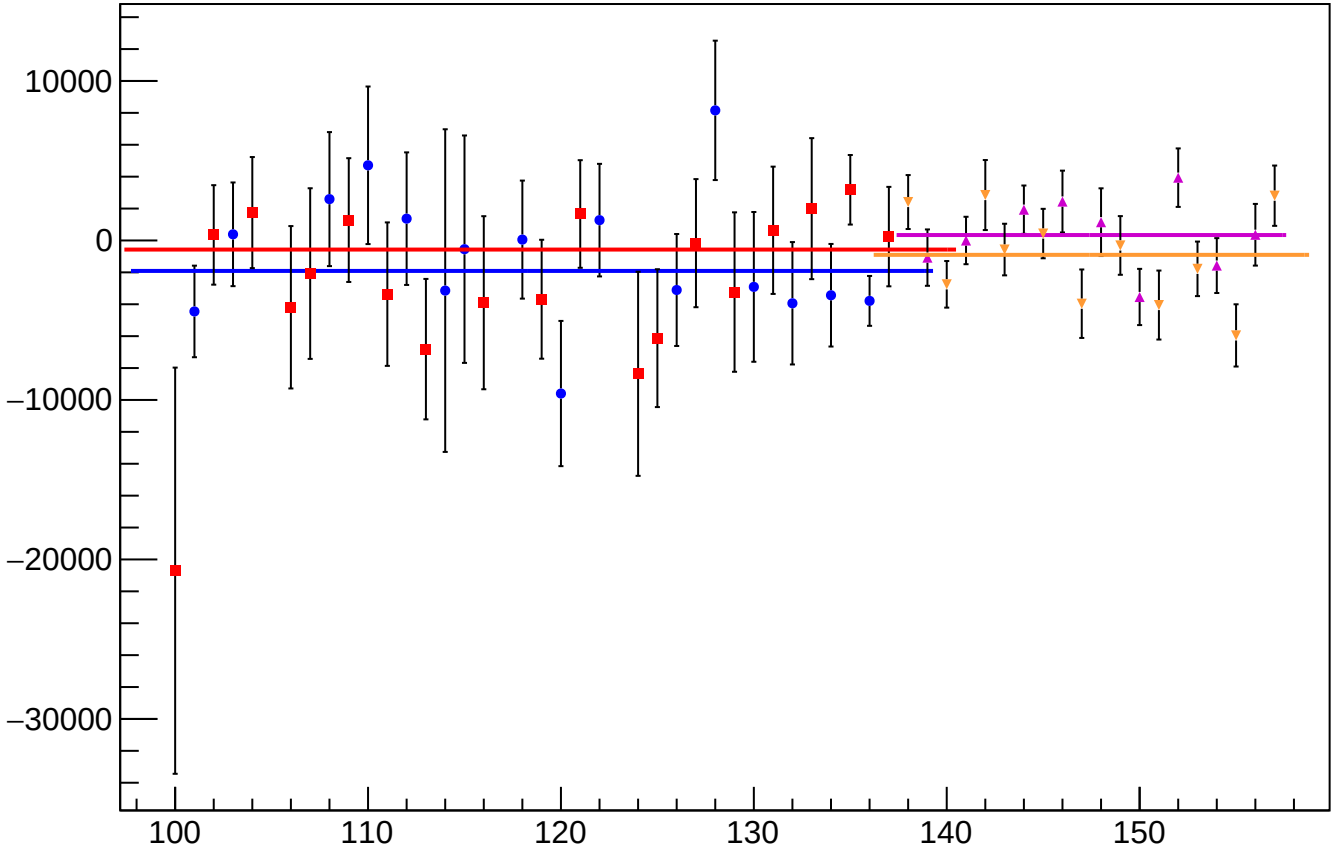
Left In: 197.063+/-0.050 χ^2/NDF:144307.3/8

+ sign 196.707+/-0.035 χ^2/NDF: 329981.2/26

All: 197.927+/-0.025 χ^2/NDF: 677994.5/54

- sign 199.232+/-0.036 χ^2/NDF: 345505.4/27

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -902.546+/-539.534 χ^2/NDF:24.2/10

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

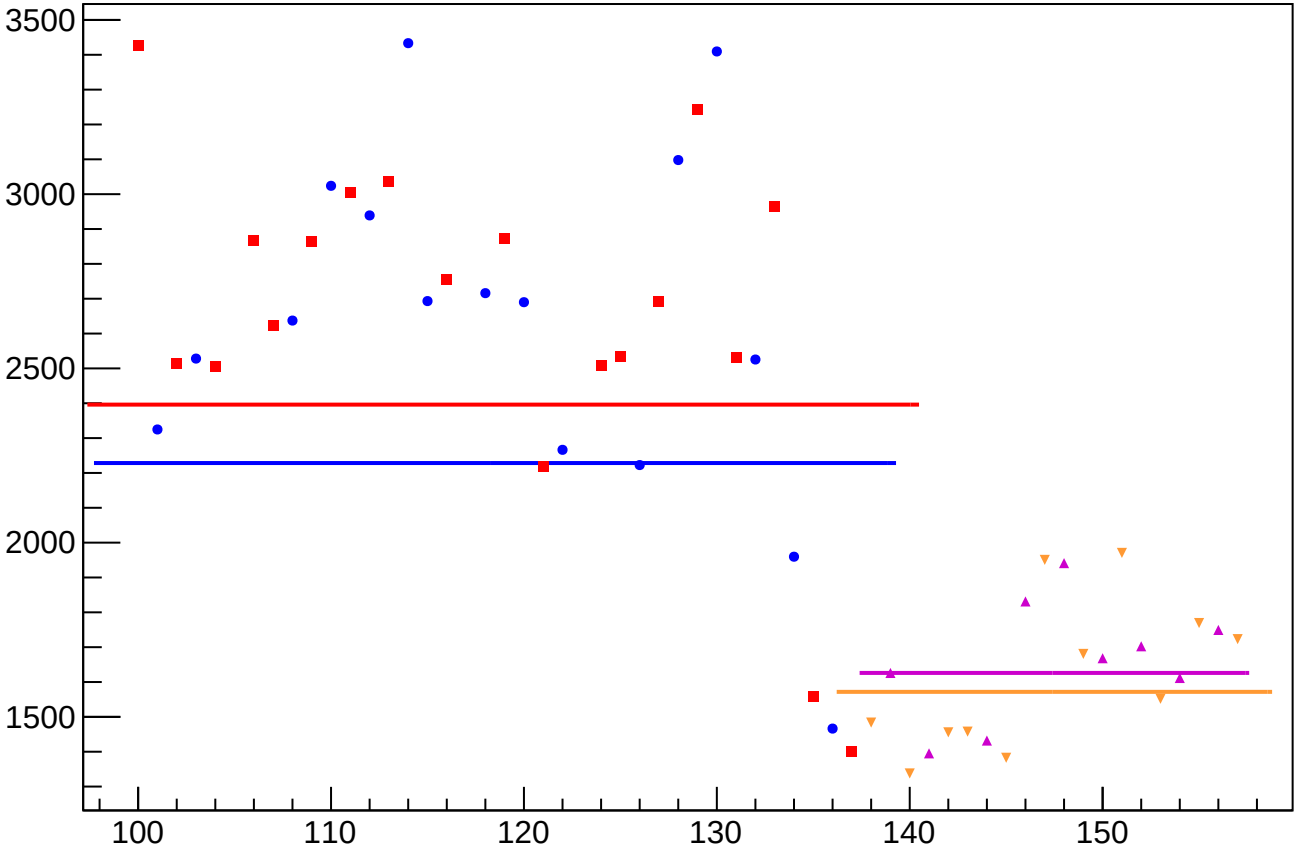
Left In: 340.046+/-585.148 χ^2/NDF:13.1/8

+ sign -1187.611+/-456.900 χ^2/NDF: 41.5/26

All: -603.744+/-334.372 χ^2/NDF: 73.4/54

- sign 69.565+/-490.650 χ^2/NDF: 28.4/27

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273030.9/10

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

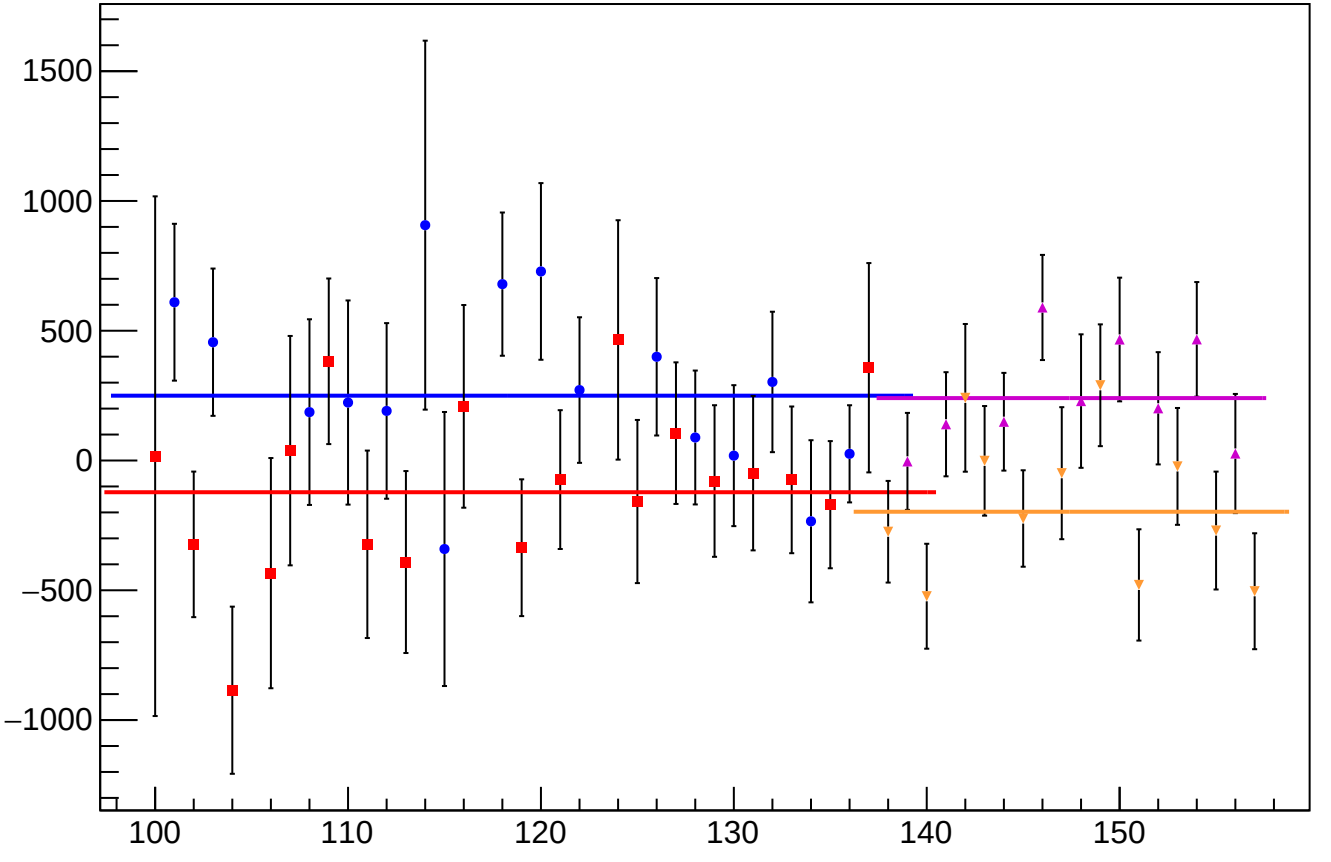
Left In: 1626.120+/-0.414 χ^2/NDF:160374.6/8

+ sign 1757.534+/-0.323 χ^2/NDF: 2058603.0/26

All: 1802.673+/-0.236 χ^2/NDF: 4088604.6/54

- sign 1854.727+/-0.347 χ^2/NDF: 1987970.2/27

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

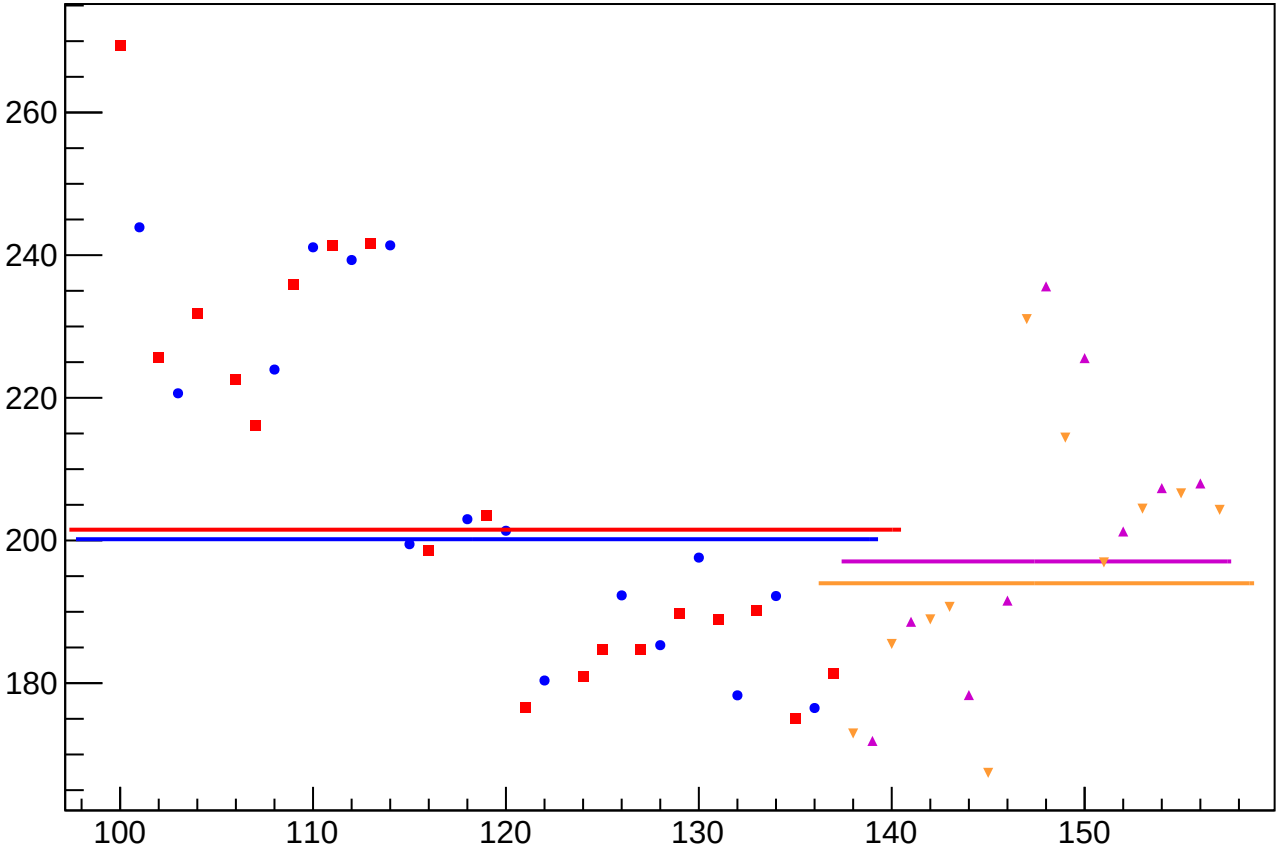
Left In: 240.462+/-70.769 χ^2/NDF:8.0/8

+ sign -1.529+/-49.557 χ^2/NDF: 48.8/26

All: 32.123+/-35.632 χ^2/NDF: 85.7/54

- sign 68.143+/-51.270 χ^2/NDF: 36.0/27

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

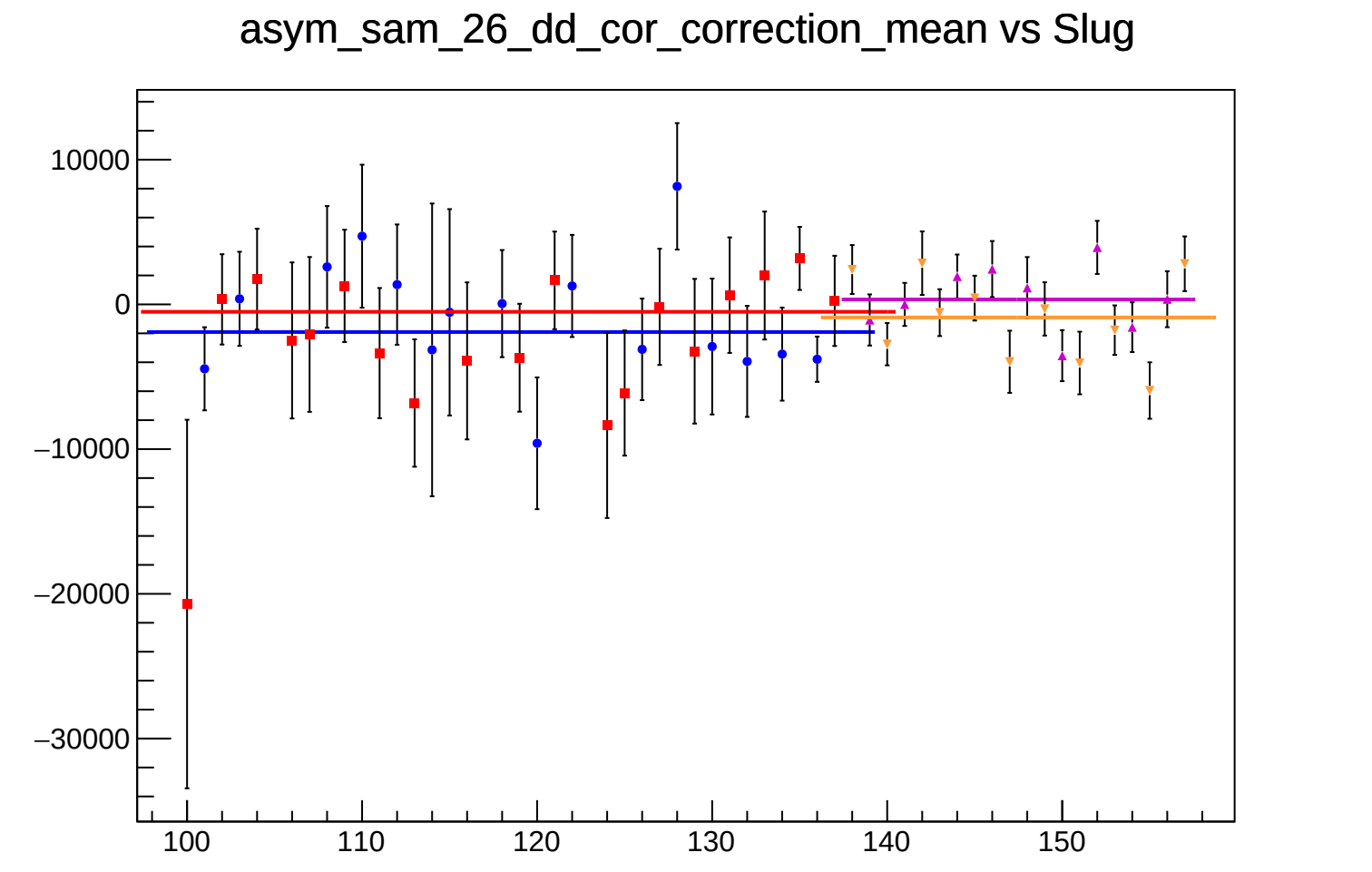
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 197.063+/-0.050 χ^2/NDF:144307.3/8

+ sign 196.707+/-0.035 χ^2/NDF: 329981.6/26

All: 197.901+/-0.025 χ^2/NDF: 675880.7/54

- sign 199.178+/-0.036 χ^2/NDF: 343497.4/27



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -902.549+/-539.534 χ^2/NDF:24.2/10

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

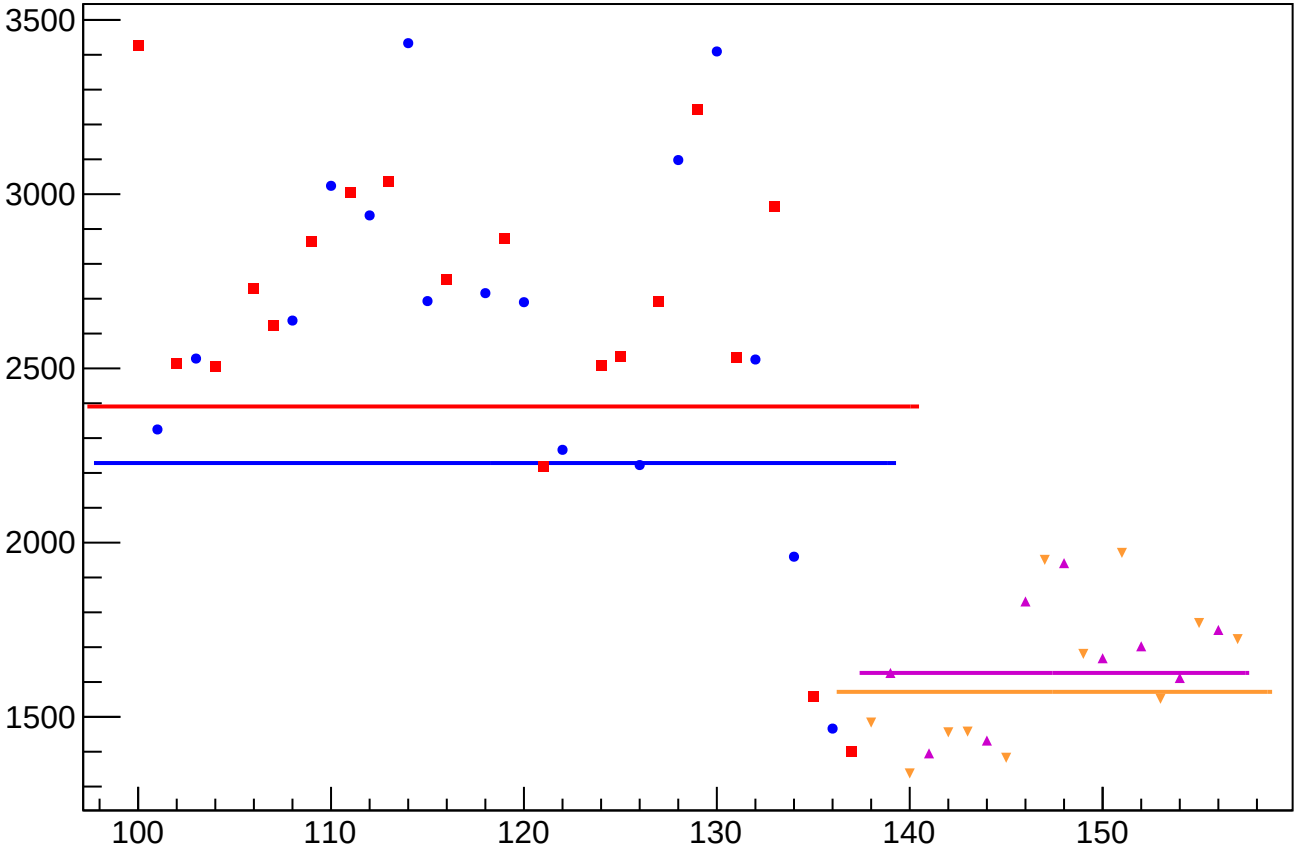
Left In: 340.039+/-585.148 χ^2/NDF:13.1/8

+ sign -1187.601+/-456.901 χ^2/NDF: 41.5/26

All: -595.553+/-334.452 χ^2/NDF: 73.0/54

- sign 87.892+/-490.902 χ^2/NDF: 27.9/27

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

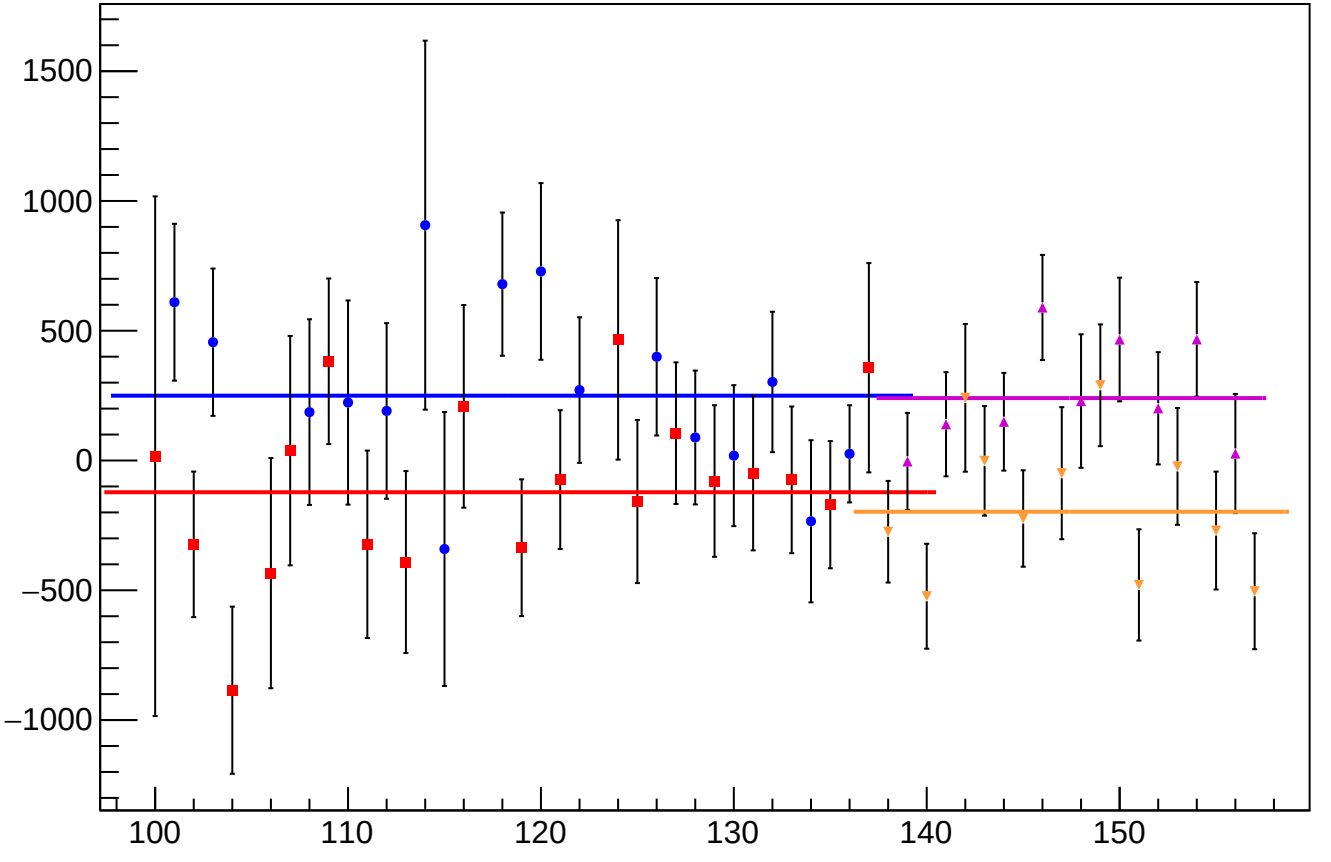
Left In: 1626.120+/-0.414 χ^2/NDF:160375.0/8

+ sign 1757.535+/-0.323 χ^2/NDF: 2058615.5/26

All: 1801.655+/-0.236 χ^2/NDF: 4060618.6/54

- sign 1852.586+/-0.347 χ^2/NDF: 1961825.9/27

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -197.403+/-66.107 χ^2/NDF:15.0/10

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

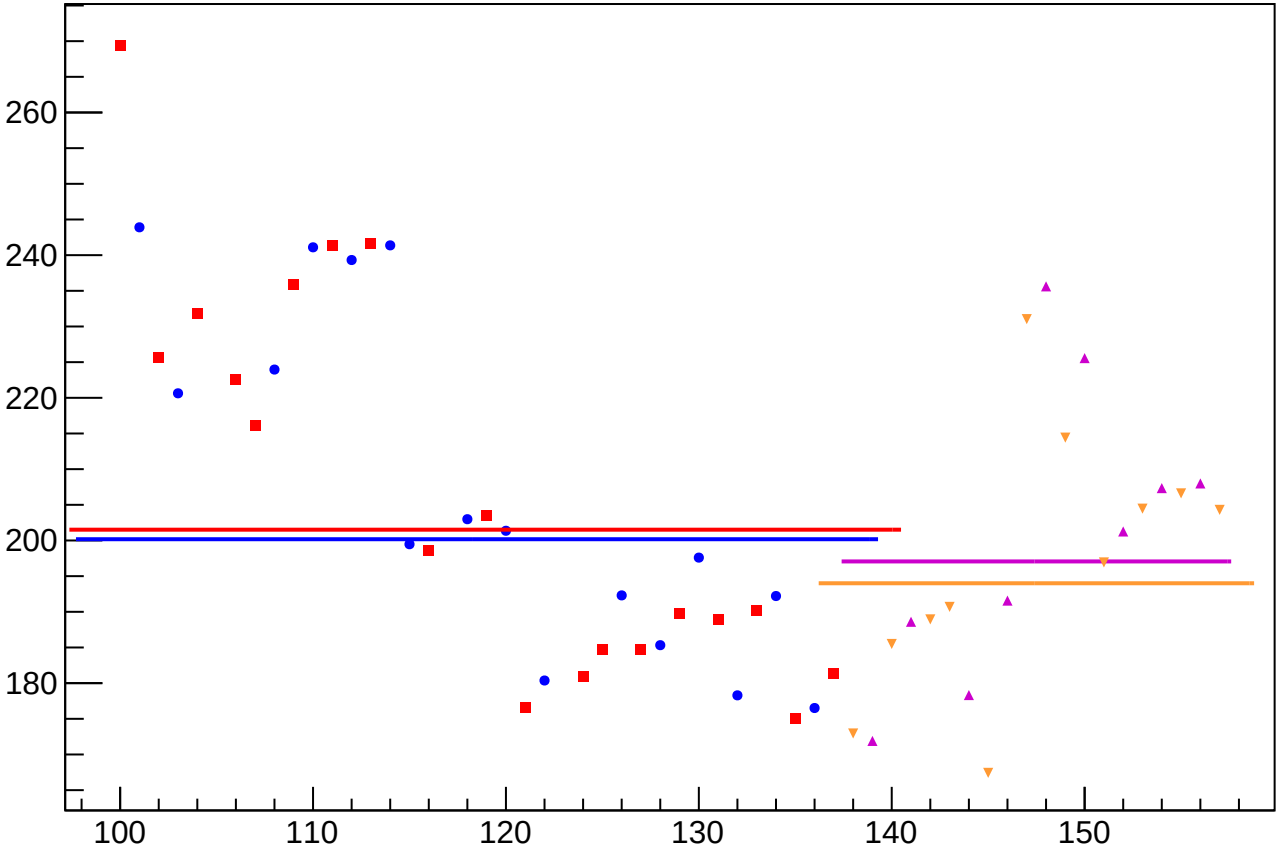
Left In: 240.462+/-70.769 χ^2/NDF:8.0/8

+ sign -1.529+/-49.557 χ^2/NDF: 48.8/26

All: 32.123+/-35.632 χ^2/NDF: 85.7/54

- sign 68.143+/-51.270 χ^2/NDF: 36.0/27

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 194.003+/-0.047 χ^2/NDF:141338.0/10

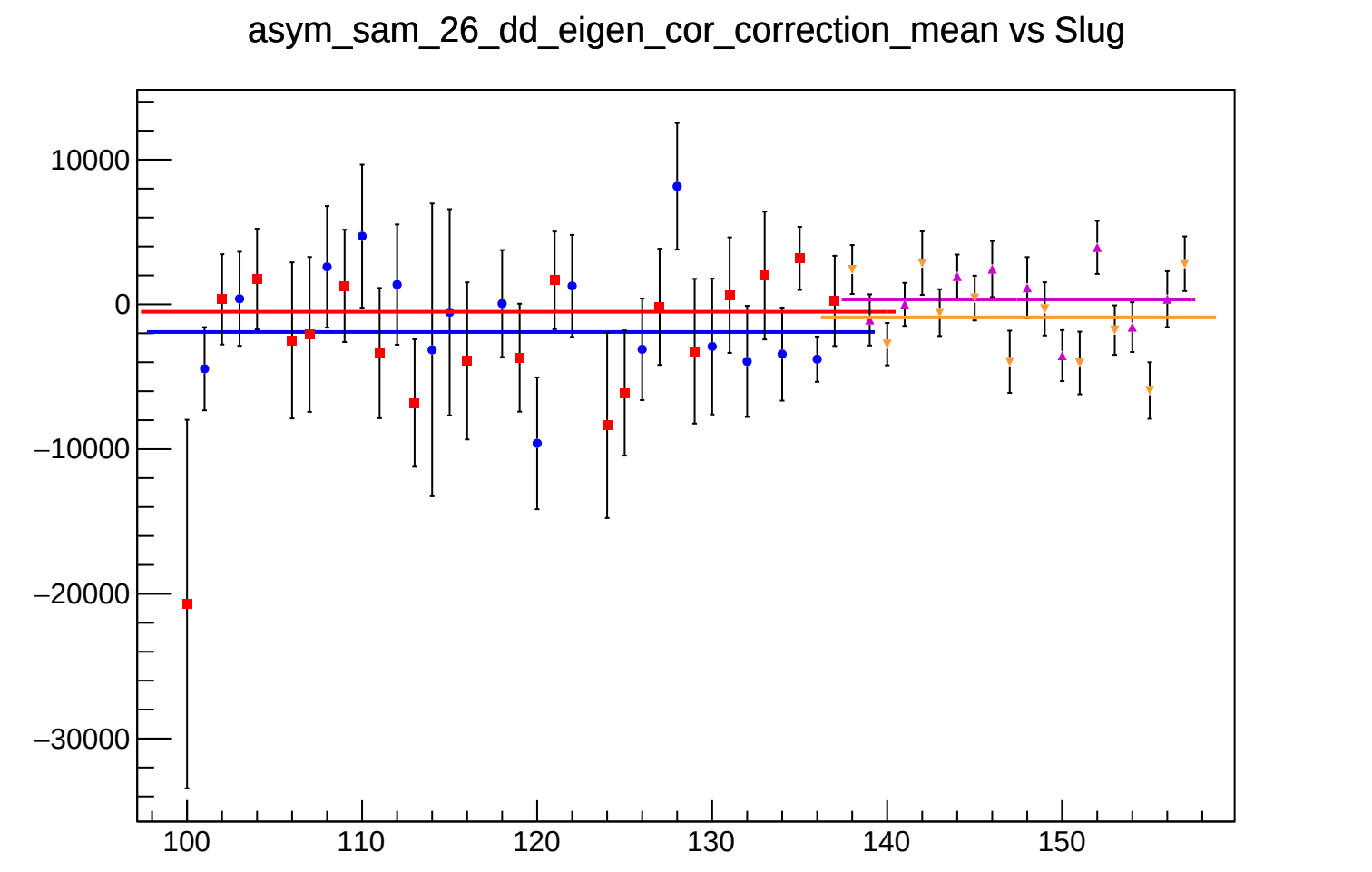
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 197.063+/-0.050 χ^2/NDF:144307.3/8

+ sign 196.707+/-0.035 χ^2/NDF: 329981.6/26

All: 197.901+/-0.025 χ^2/NDF: 675880.7/54

- sign 199.178+/-0.036 χ^2/NDF: 343497.4/27



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -902.549+/-539.534 χ^2/NDF:24.2/10

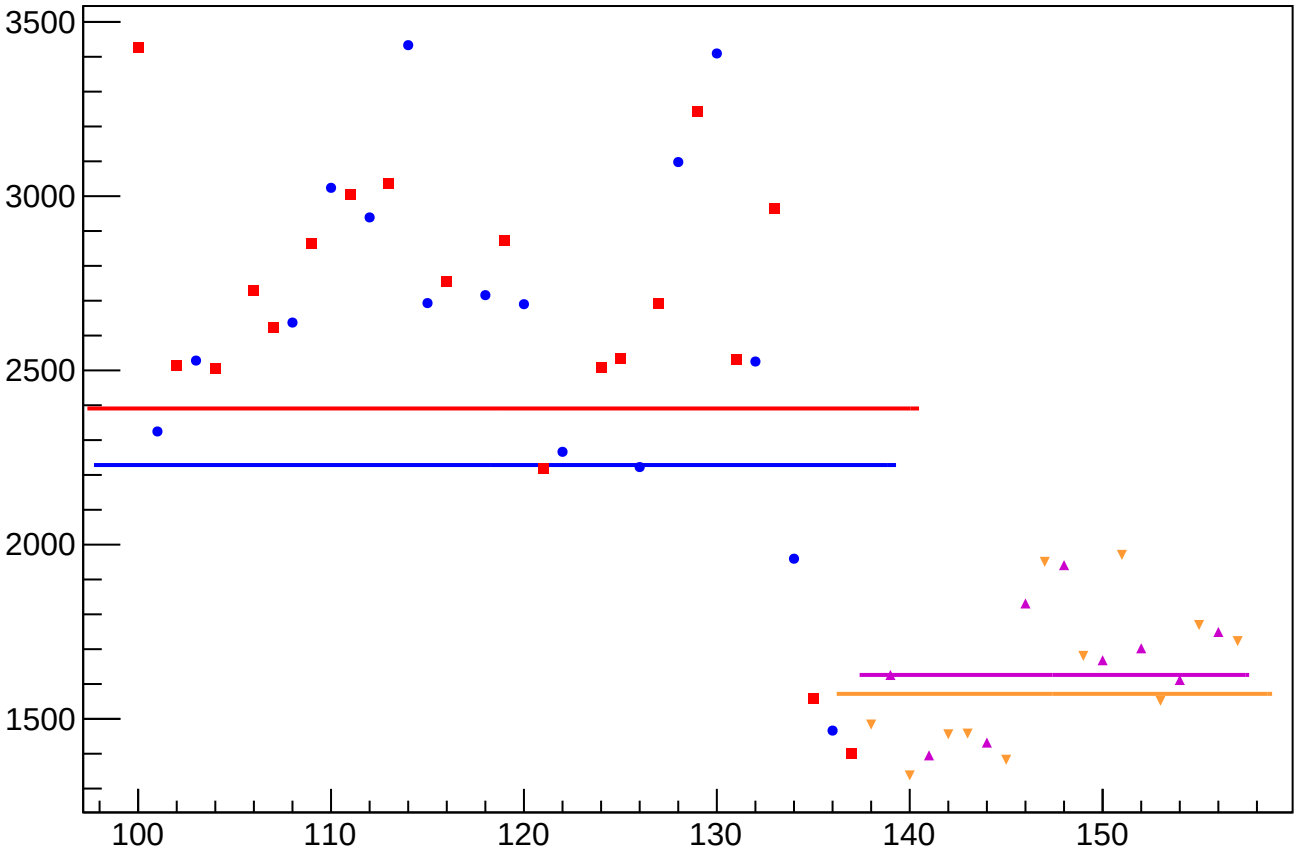
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 340.039+/-585.148 χ^2/NDF:13.1/8

+ sign -1187.601+/-456.901 χ^2/NDF: 41.5/26

All: -595.553+/-334.452 χ^2/NDF: 73.0/54

- sign 87.892+/-490.902 χ^2/NDF: 27.9/27



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1571.802+/-0.382 χ^2/NDF:273031.8/10

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

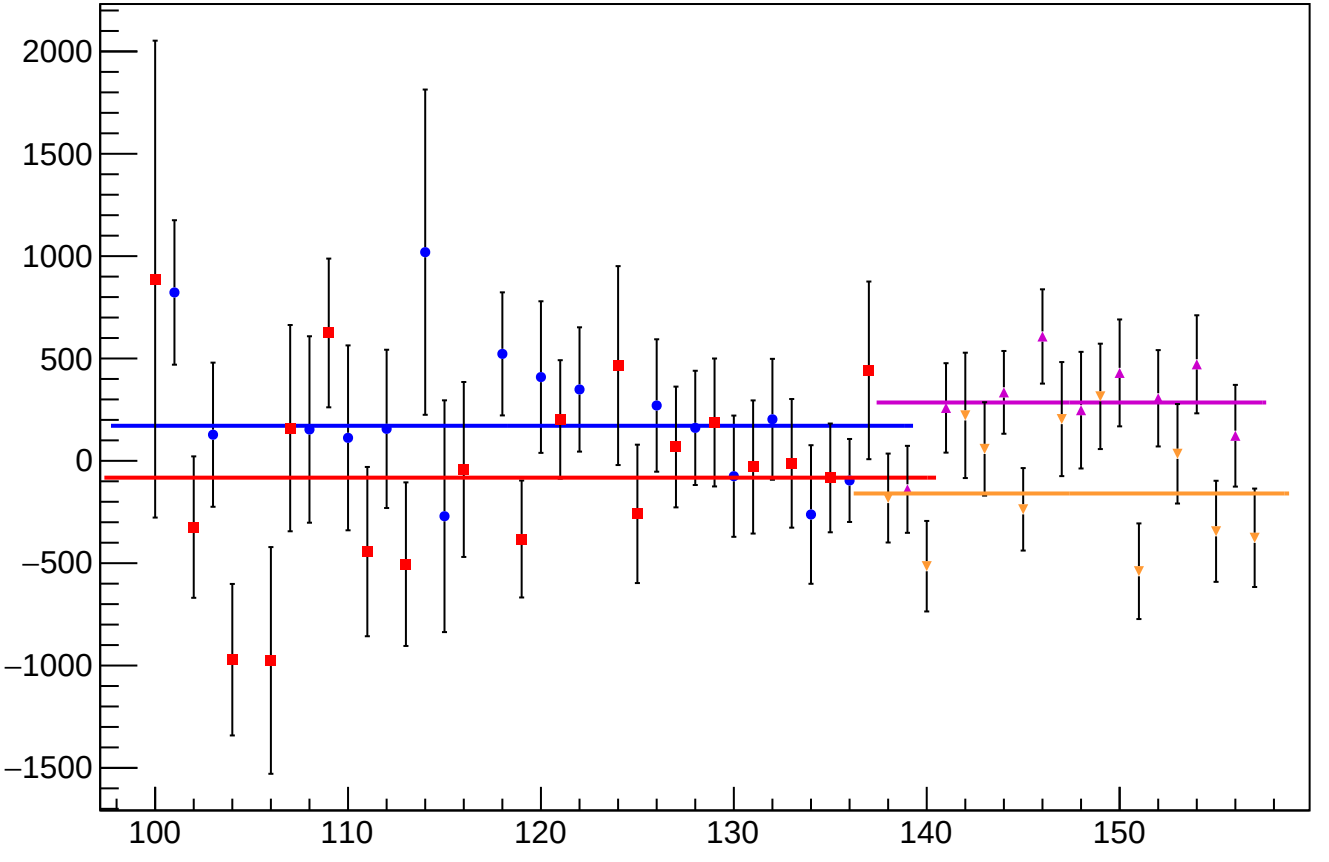
Left In: 1626.120+/-0.414 χ^2/NDF:160375.0/8

+ sign 1757.535+/-0.323 χ^2/NDF: 2058615.5/26

All: 1801.655+/-0.236 χ^2/NDF: 4060618.6/54

- sign 1852.586+/-0.347 χ^2/NDF: 1961825.9/27

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -159.481+/-71.960 χ^2/NDF:15.0/10

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

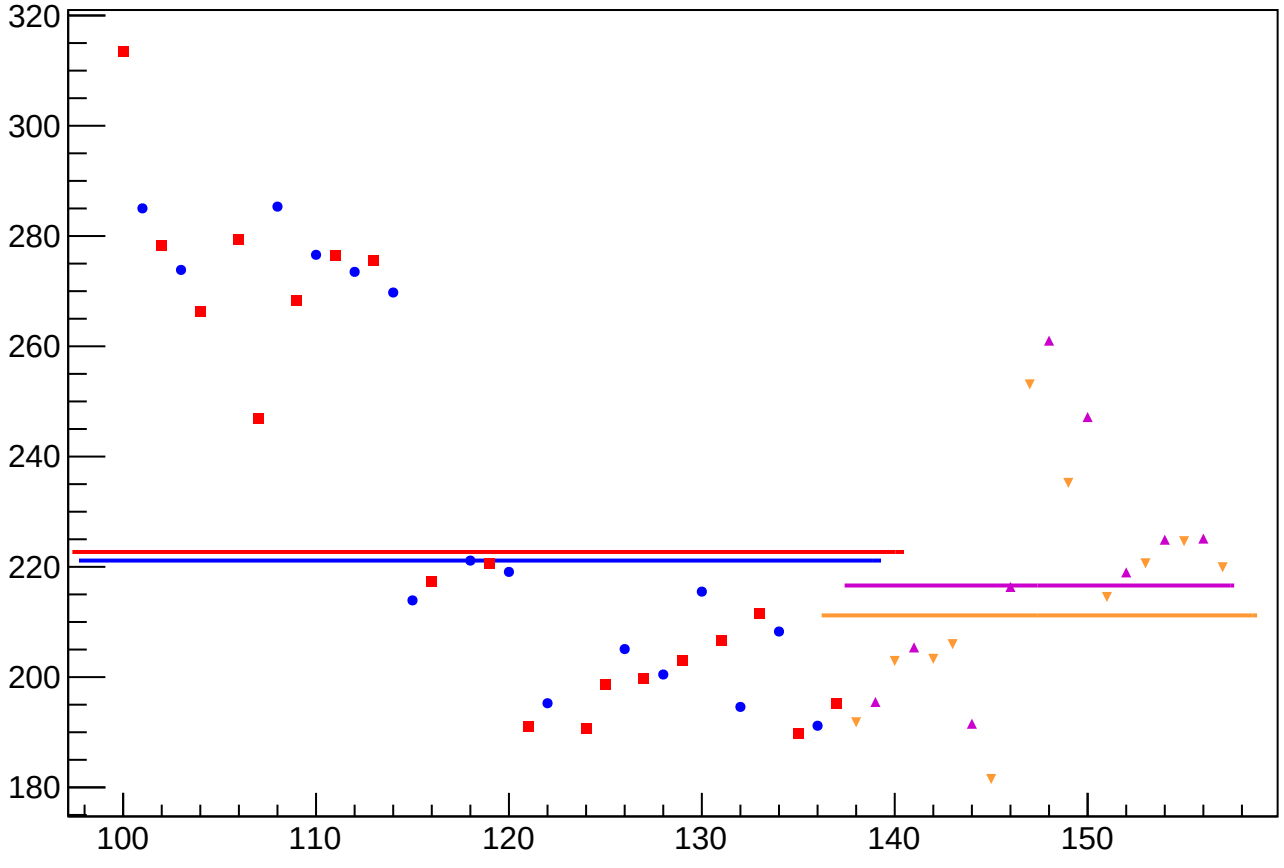
Left In: 284.967+/-77.829 χ^2/NDF:7.4/8

\+ sign -17.781+/-54.403 χ^2/NDF: 35.5/26

All: 44.603+/-39.232 χ^2/NDF: 77.7/54

\- sign 112.193+/-56.628 χ^2/NDF: 39.5/27

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 211.192+/-0.051 χ^2/NDF:139119.2/10

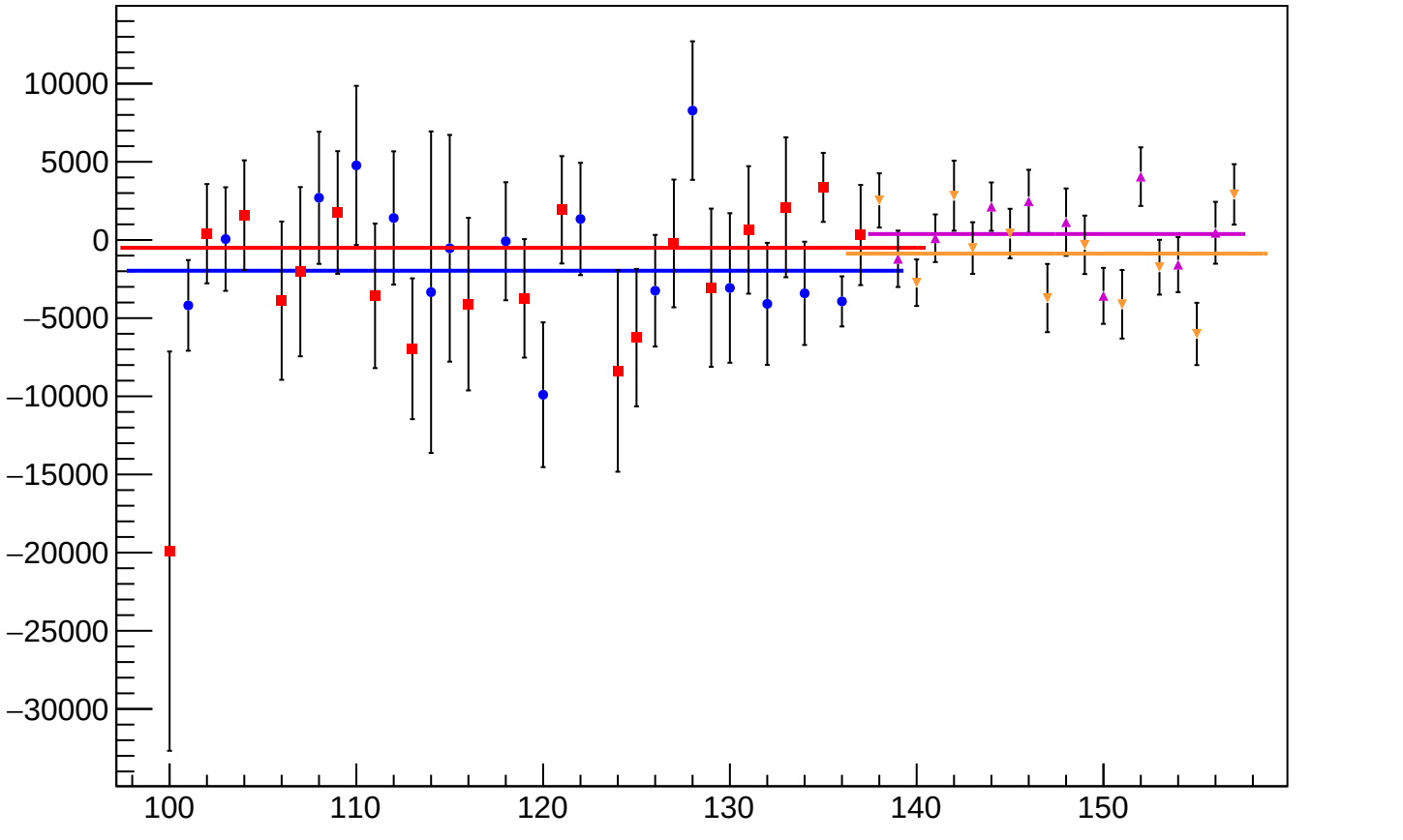
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.616+/-0.055 χ^2/NDF:136760.3/8

+ sign 215.453+/-0.038 χ^2/NDF: 474194.9/26

All: 217.385+/-0.028 χ^2/NDF: 948987.6/54

- sign 219.478+/-0.040 χ^2/NDF: 469539.4/27



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -872.921+/-550.635 χ^2/NDF:23.6/10

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

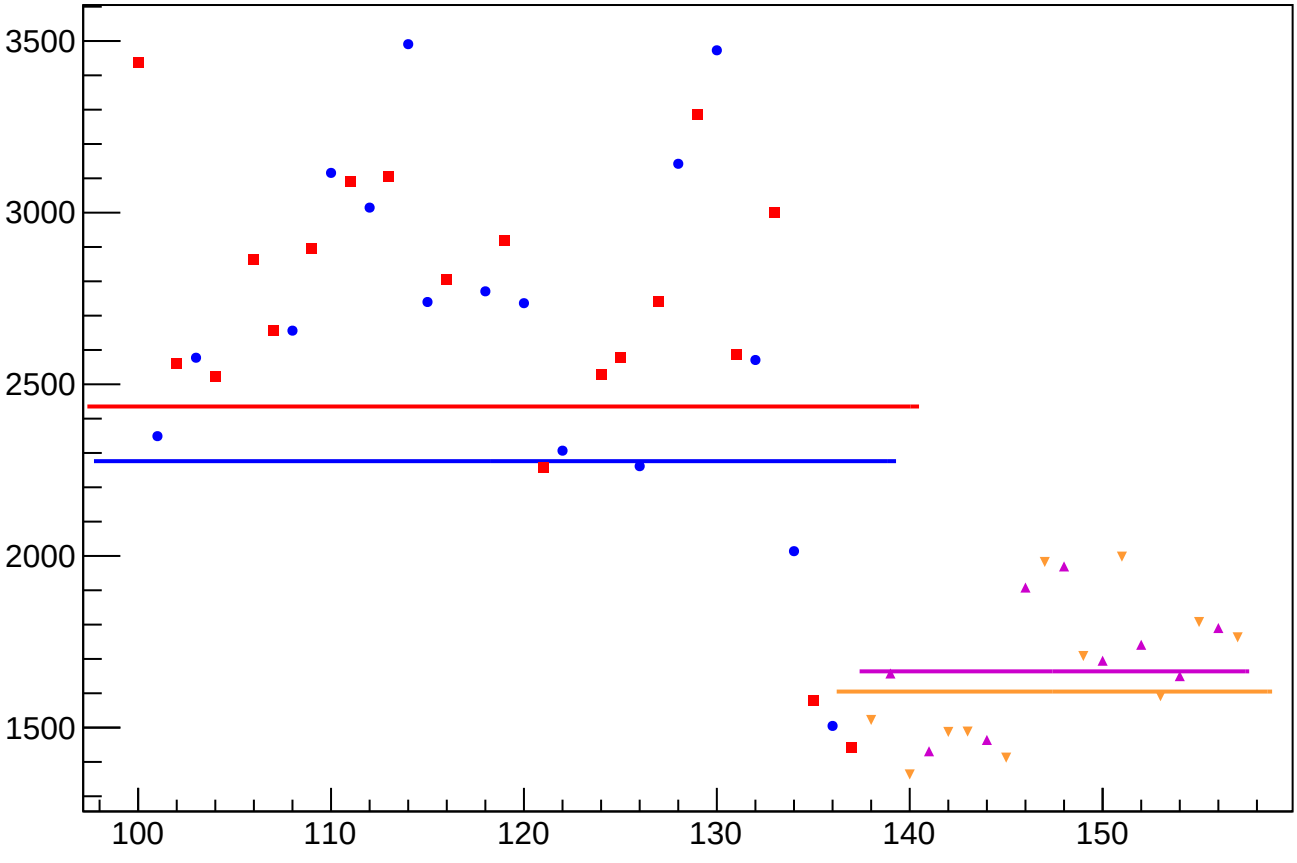
Left In: 381.008+/-598.664 χ^2/NDF:13.2/8

+ sign -1182.585+/-466.278 χ^2/NDF: 40.8/26

All: -578.991+/-341.300 χ^2/NDF: 73.1/54

- sign 117.636+/-500.925 χ^2/NDF: 28.6/27

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266714.7/10

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

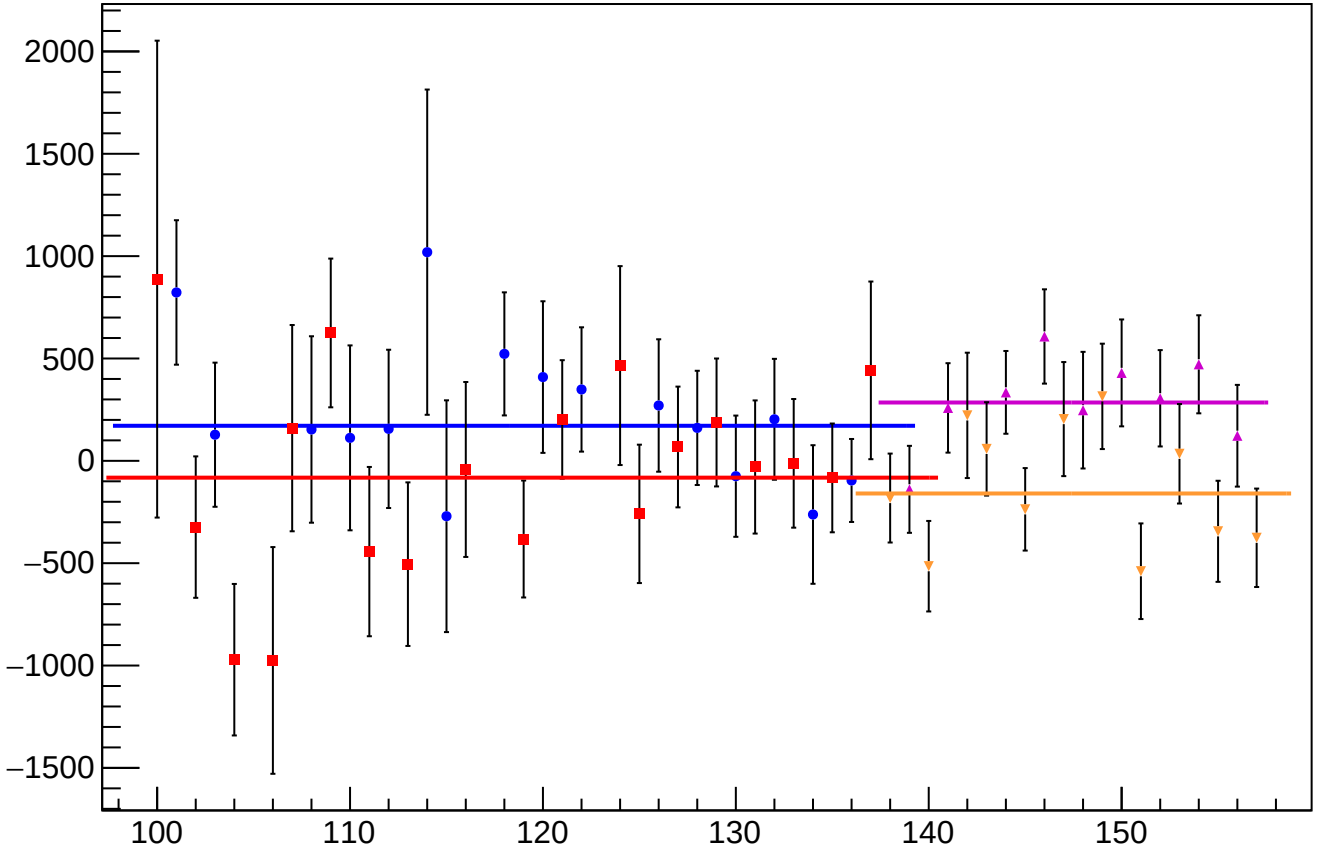
Left In: 1663.827+/-0.423 χ^2/NDF:161731.3/8

+ sign 1794.856+/-0.330 χ^2/NDF: 2034412.1/26

All: 1841.431+/-0.241 χ^2/NDF: 4026733.9/54

- sign 1895.184+/-0.354 χ^2/NDF: 1949336.7/27

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -159.483+/-71.960 χ^2/NDF:15.0/10

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

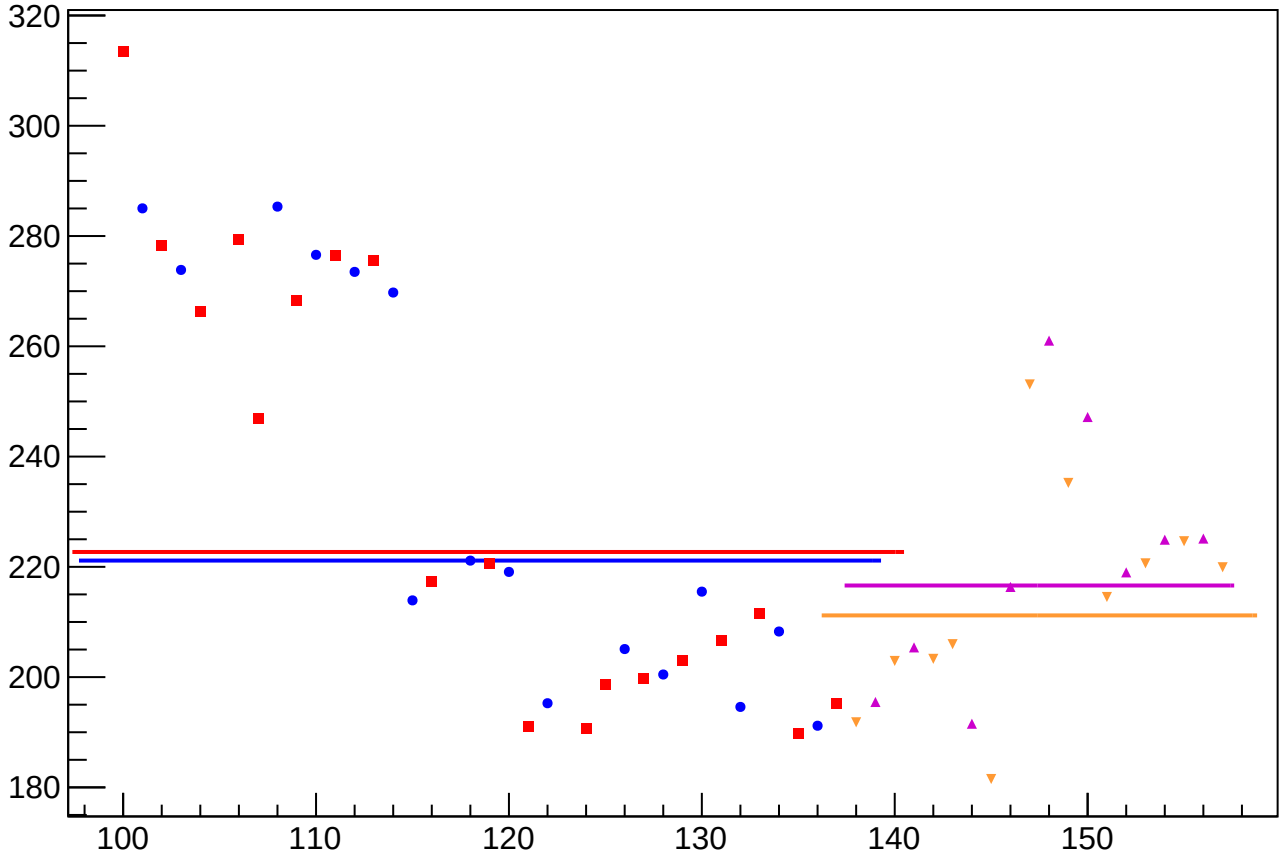
Left In: 284.968+/-77.829 χ^2/NDF:7.4/8

\+ sign -17.781+/-54.403 χ^2/NDF: 35.5/26

All: 44.604+/-39.232 χ^2/NDF: 77.7/54

\- sign 112.194+/-56.627 χ^2/NDF: 39.5/27

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 211.192+/-0.051 χ^2/NDF:139123.3/10

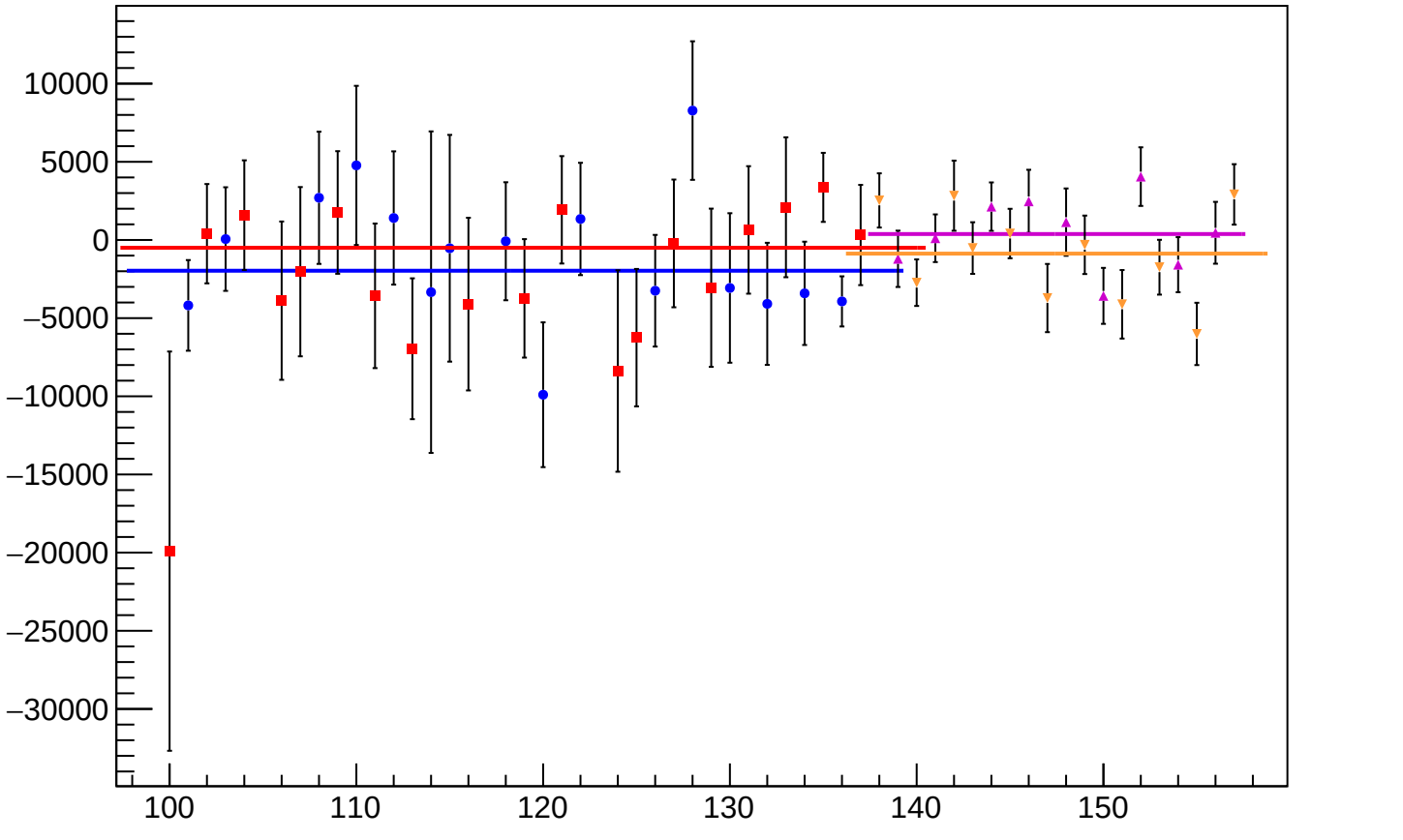
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.616+/-0.055 χ^2/NDF:136762.5/8

+ sign 215.453+/-0.038 χ^2/NDF: 474190.5/26

All: 217.385+/-0.028 χ^2/NDF: 948976.9/54

- sign 219.477+/-0.040 χ^2/NDF: 469533.0/27



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -872.923+/-550.635 χ^2/NDF:23.6/10

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

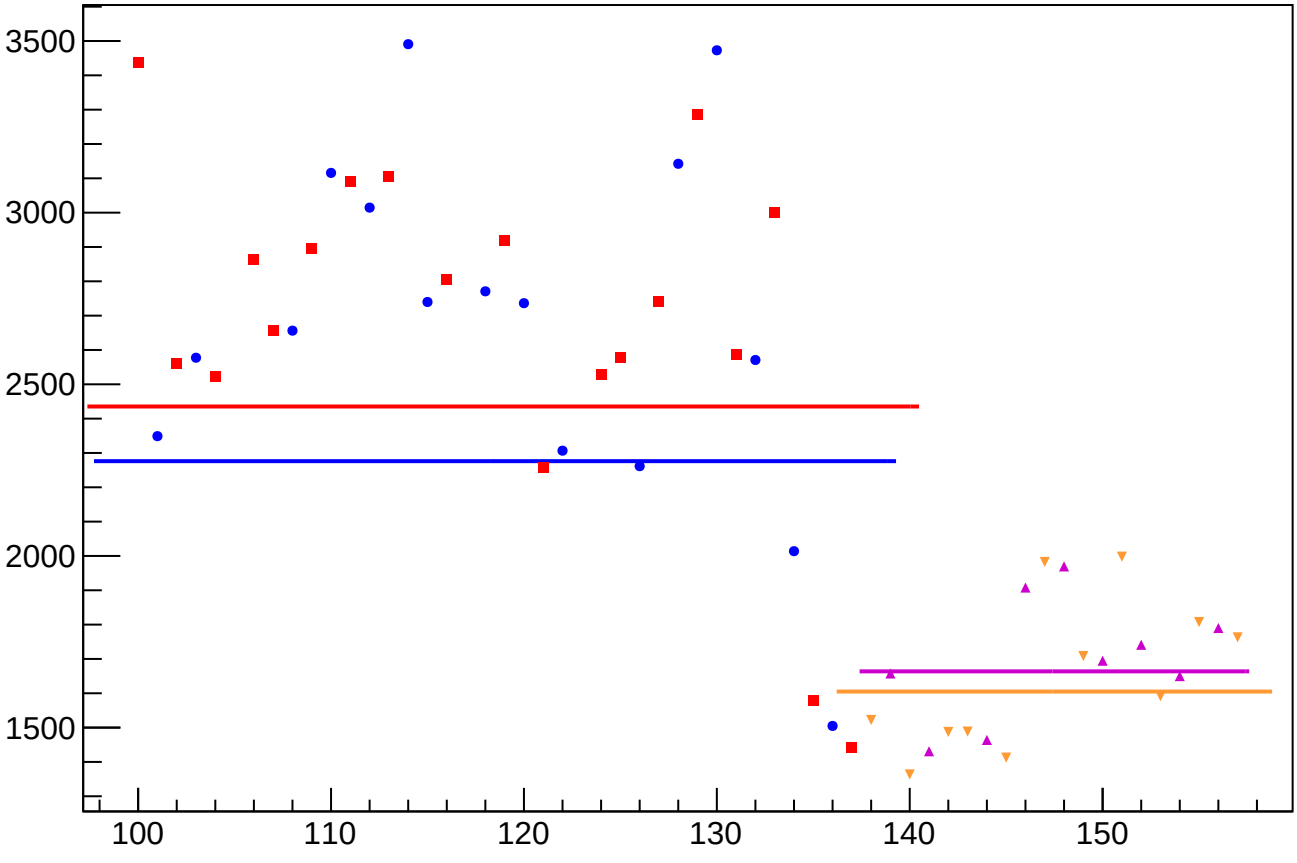
Left In: 381.007+/-598.664 χ^2/NDF:13.2/8

\+ sign -1182.585+/-466.278 χ^2/NDF: 40.8/26

All: -578.992+/-341.300 χ^2/NDF: 73.1/54

\- sign 117.634+/-500.925 χ^2/NDF: 28.6/27

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1604.961+/-0.389 χ^2/NDF:266717.8/10

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

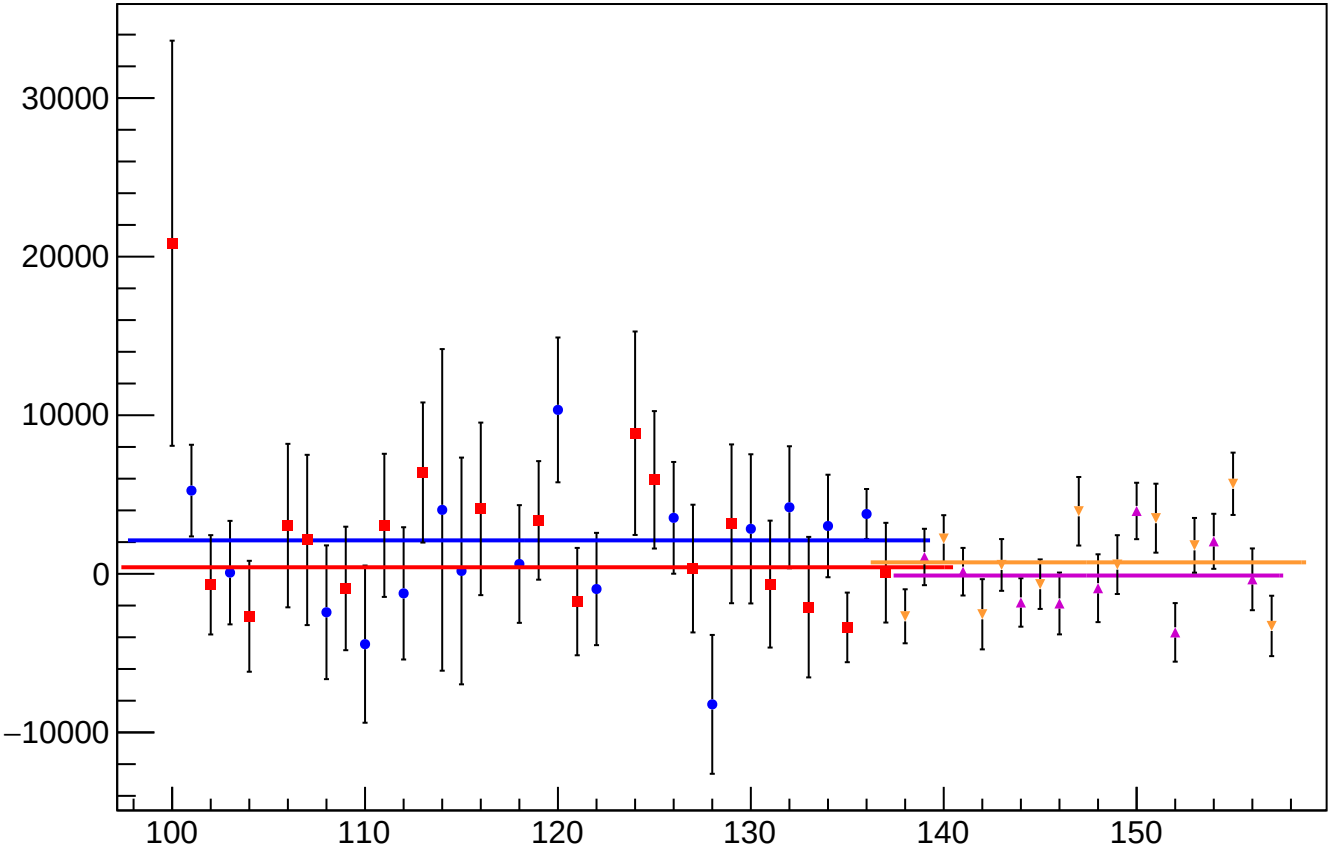
Left In: 1663.827+/-0.423 χ^2/NDF:161731.6/8

+ sign 1794.855+/-0.330 χ^2/NDF: 2034401.6/26

All: 1841.430+/-0.241 χ^2/NDF: 4026710.6/54

- sign 1895.184+/-0.354 χ^2/NDF: 1949323.7/27

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 723.574+/-543.794 χ^2/NDF:23.0/10

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

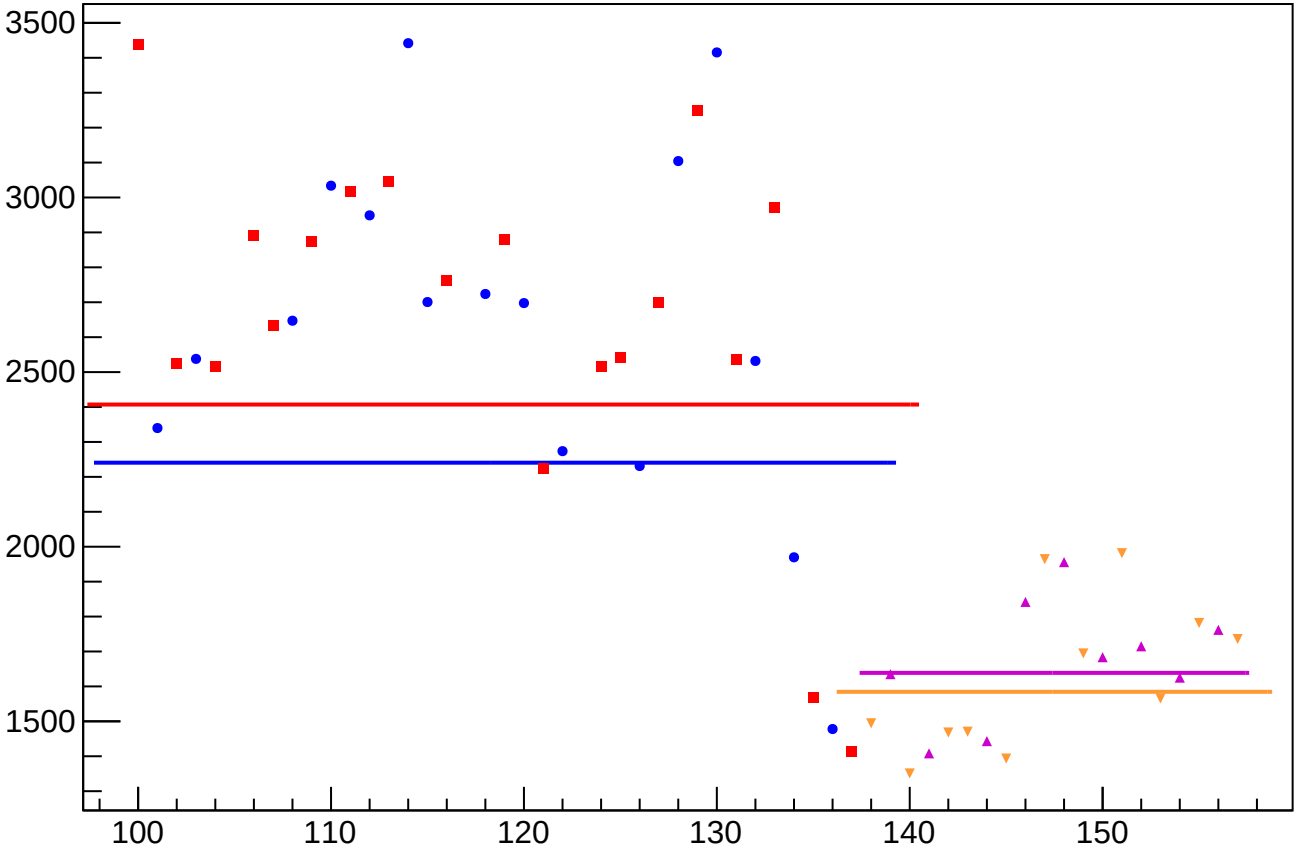
Left In: -107.102+/-589.631 χ^2/NDF:13.2/8

+ sign 1117.284+/-460.118 χ^2/NDF: 41.5/26

All: 620.656+/-336.673 χ^2/NDF: 72.1/54

- sign 48.352+/-493.932 χ^2/NDF: 28.1/27

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1584.531+/-0.385 χ^2/NDF:269556.1/10

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

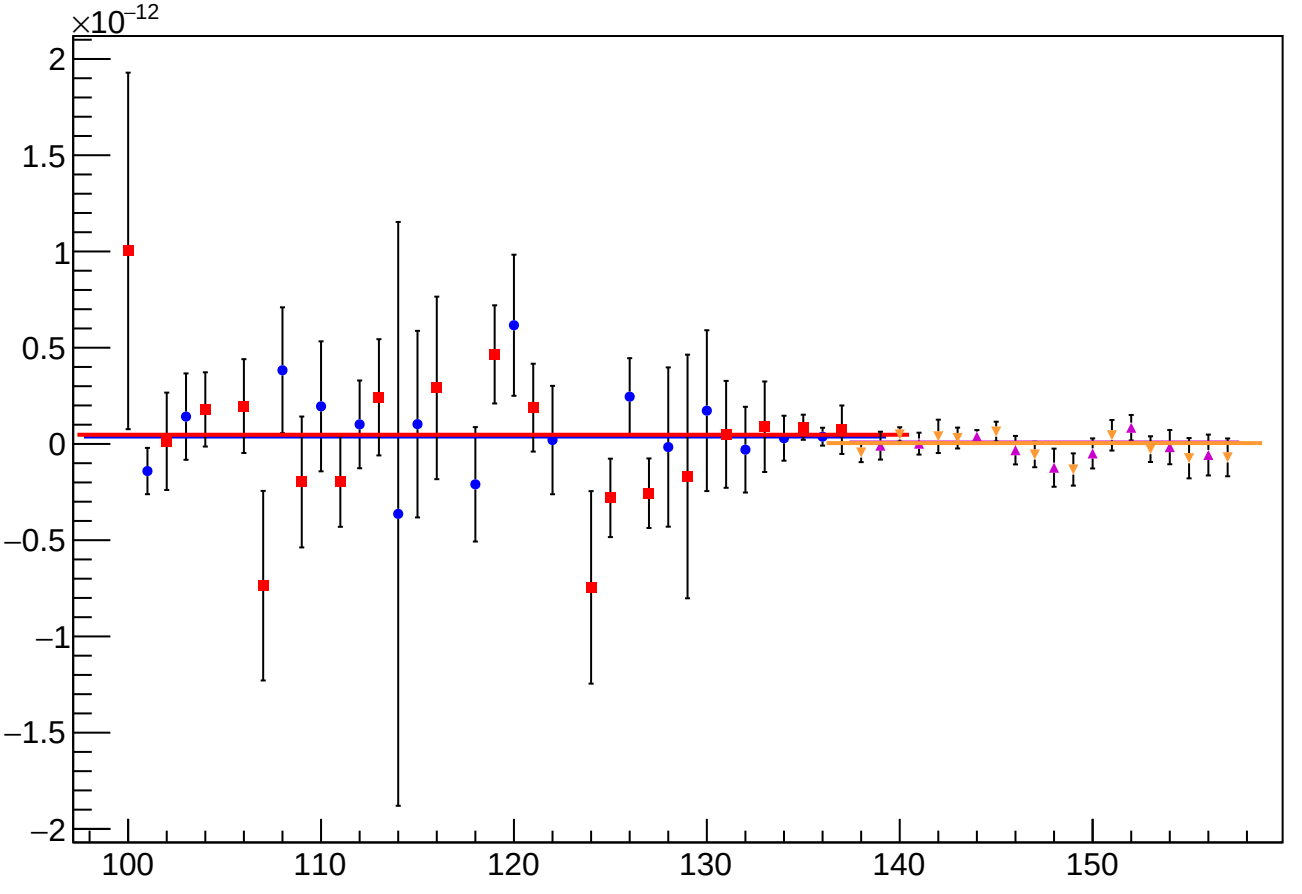
Left In: 1638.781+/-0.417 χ^2/NDF:158411.0/8

+ sign 1770.908+/-0.325 χ^2/NDF: 2030174.4/26

All: 1815.994+/-0.238 χ^2/NDF: 4031824.8/54

- sign 1867.950+/-0.349 χ^2/NDF: 1960317.5/27

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

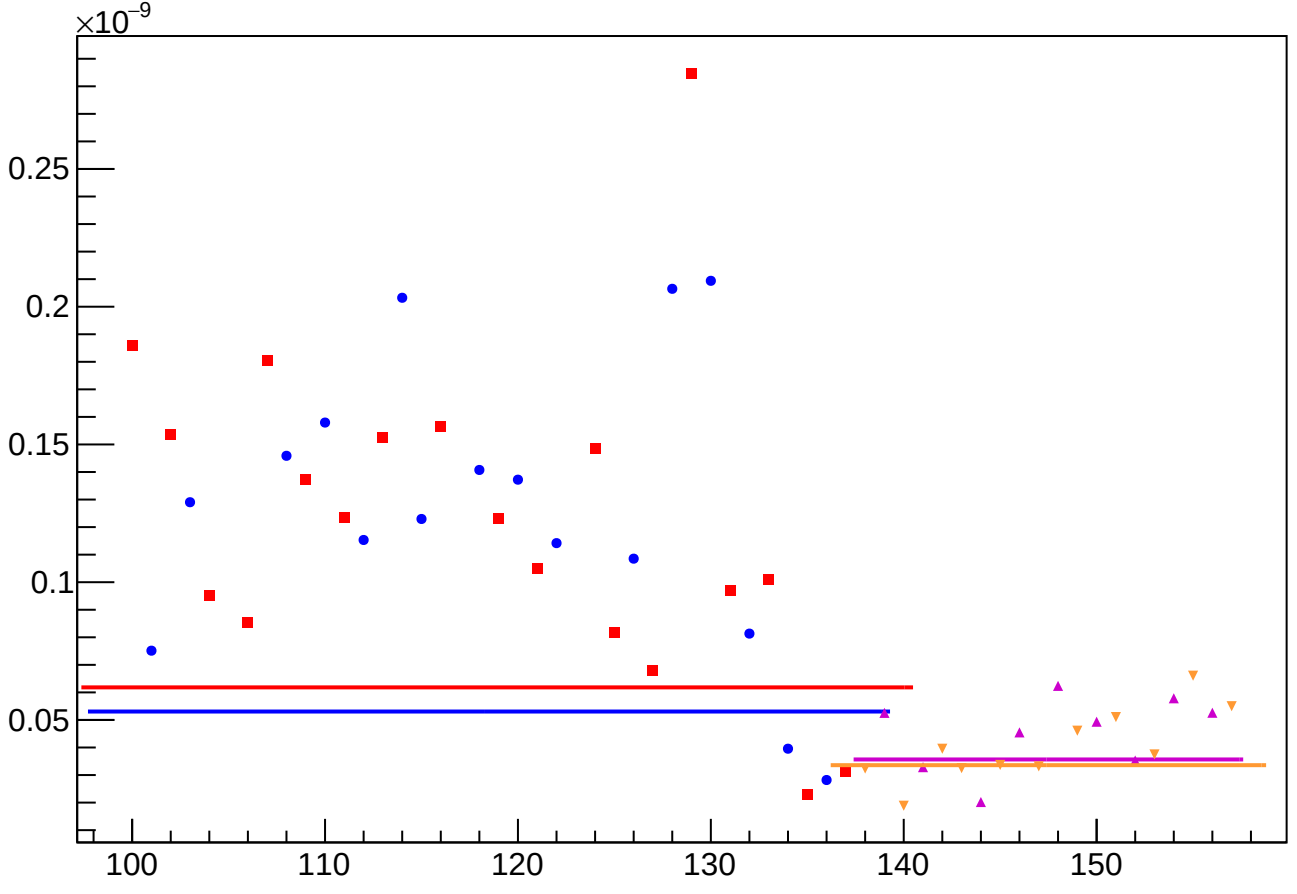
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 18.4/26

All: 0.000+/-0.000 χ^2/NDF: 42.5/54

- sign 0.000+/-0.000 χ^2/NDF: 24.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:756379.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

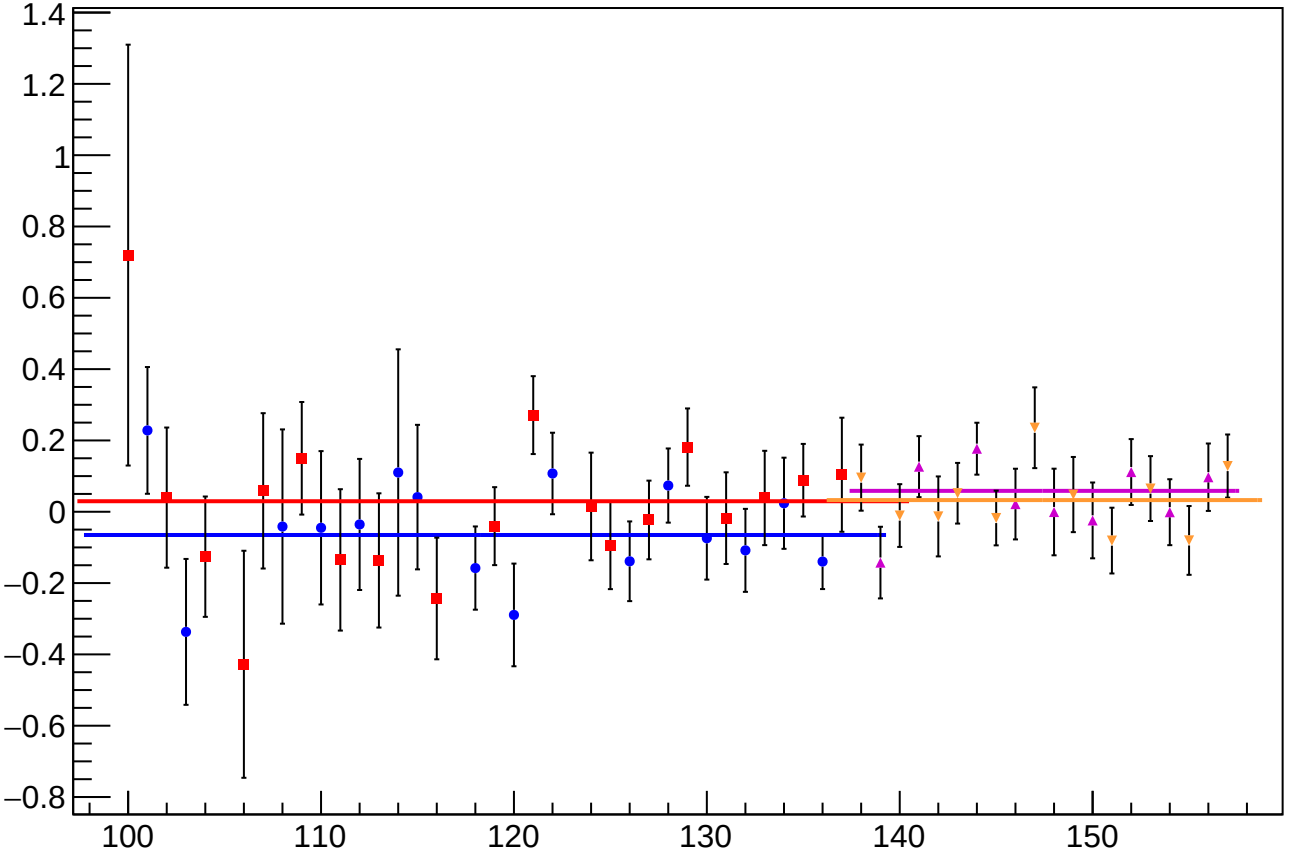
Left In: 0.000+/-0.000 χ^2/NDF:944254.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 3788326.2/26

All: 0.000+/-0.000 χ^2/NDF: 7767935.4/54

- sign 0.000+/-0.000 χ^2/NDF: 3950074.2/27

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

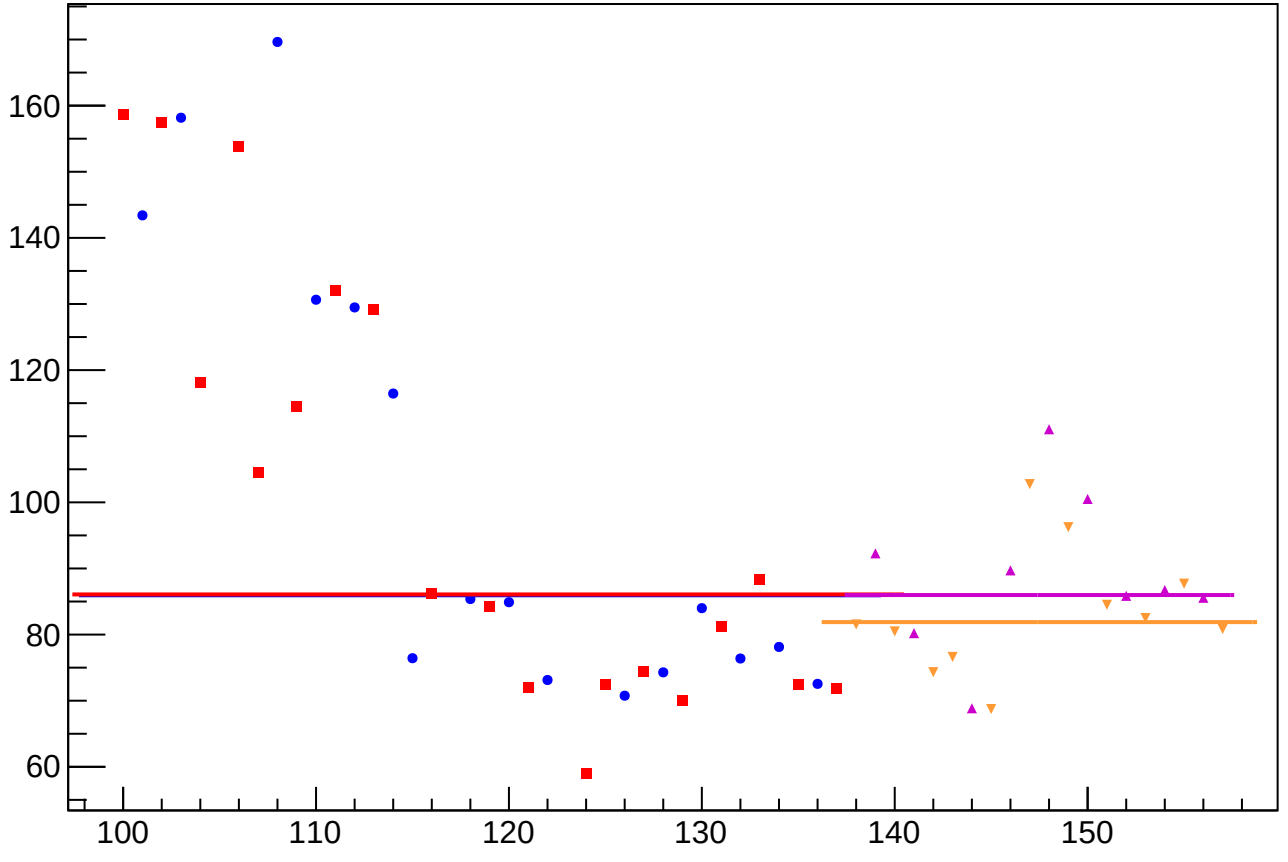
Left In: 0.059+/-0.031 χ^2/NDF:9.2/8

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.017+/-0.016 χ^2/NDF: 58.5/54

- sign 0.045+/-0.023 χ^2/NDF: 27.7/27

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

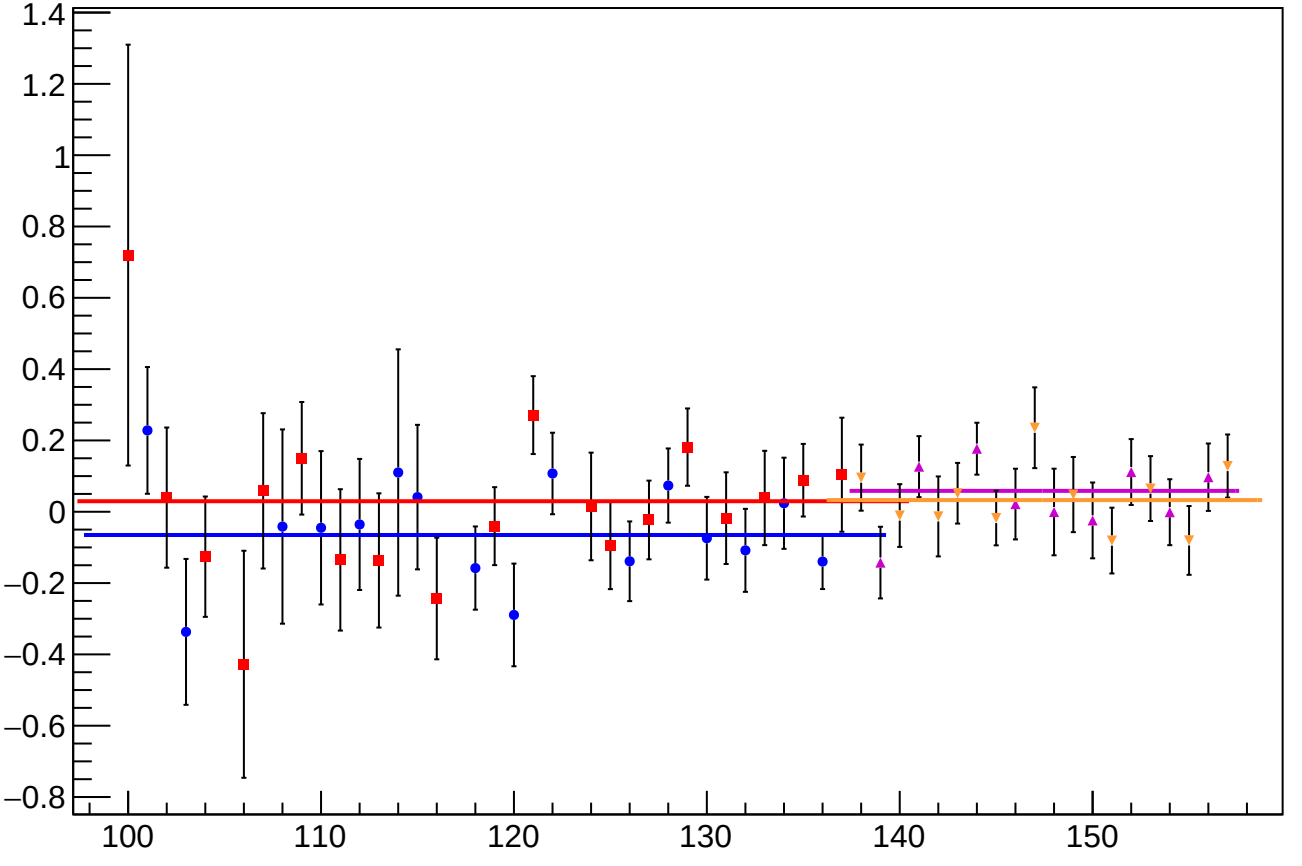
Left In: 85.980+/-0.022 χ^2/NDF:253210.0/8

+ sign 83.570+/-0.015 χ^2/NDF: 1242734.4/26

All: 84.729+/-0.011 χ^2/NDF: 2499709.1/54

- sign 86.024+/-0.016 χ^2/NDF: 1244589.7/27

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

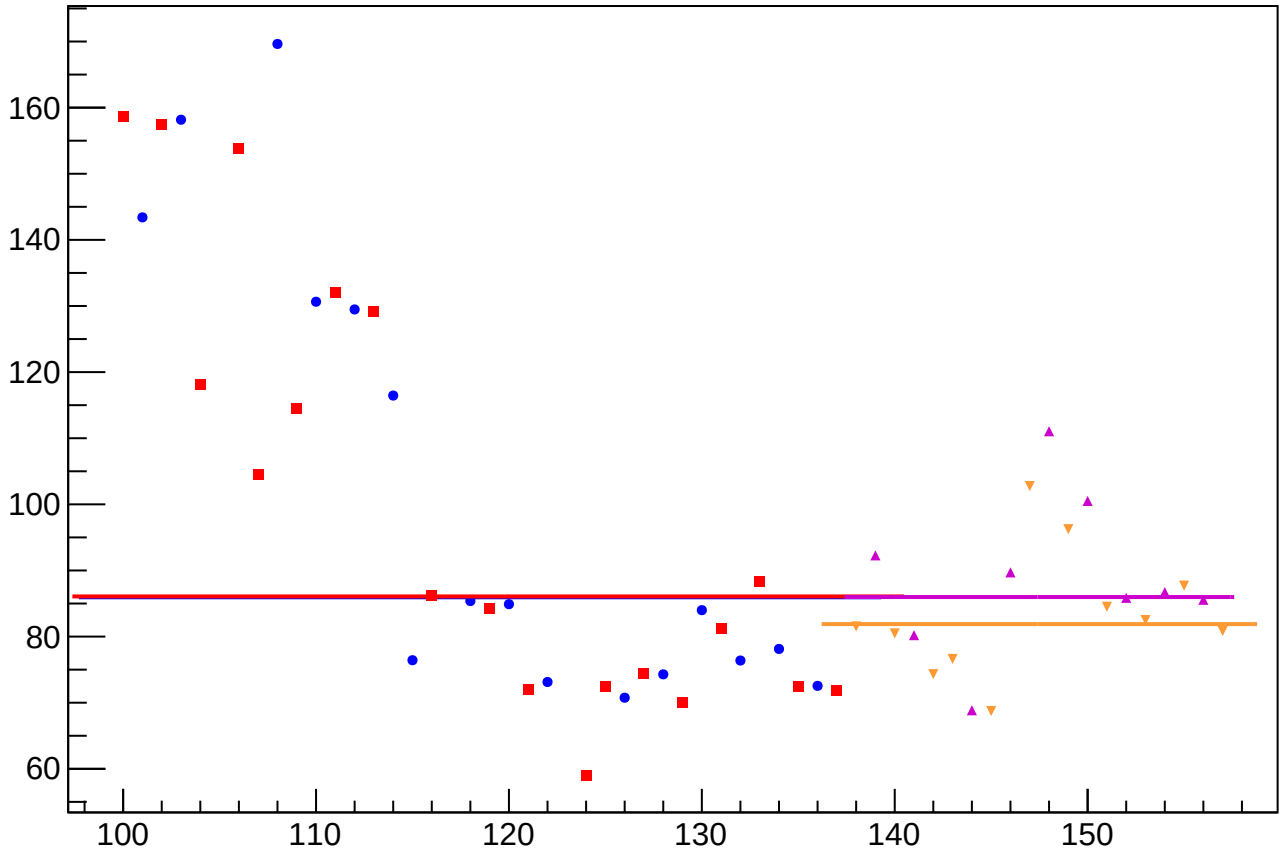
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.059+/-0.031 χ^2/NDF:9.2/8

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.017+/-0.016 χ^2/NDF: 58.5/54

- sign 0.045+/-0.023 χ^2/NDF: 27.7/27



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.890+/-0.020 χ^2/NDF:190360.2/10

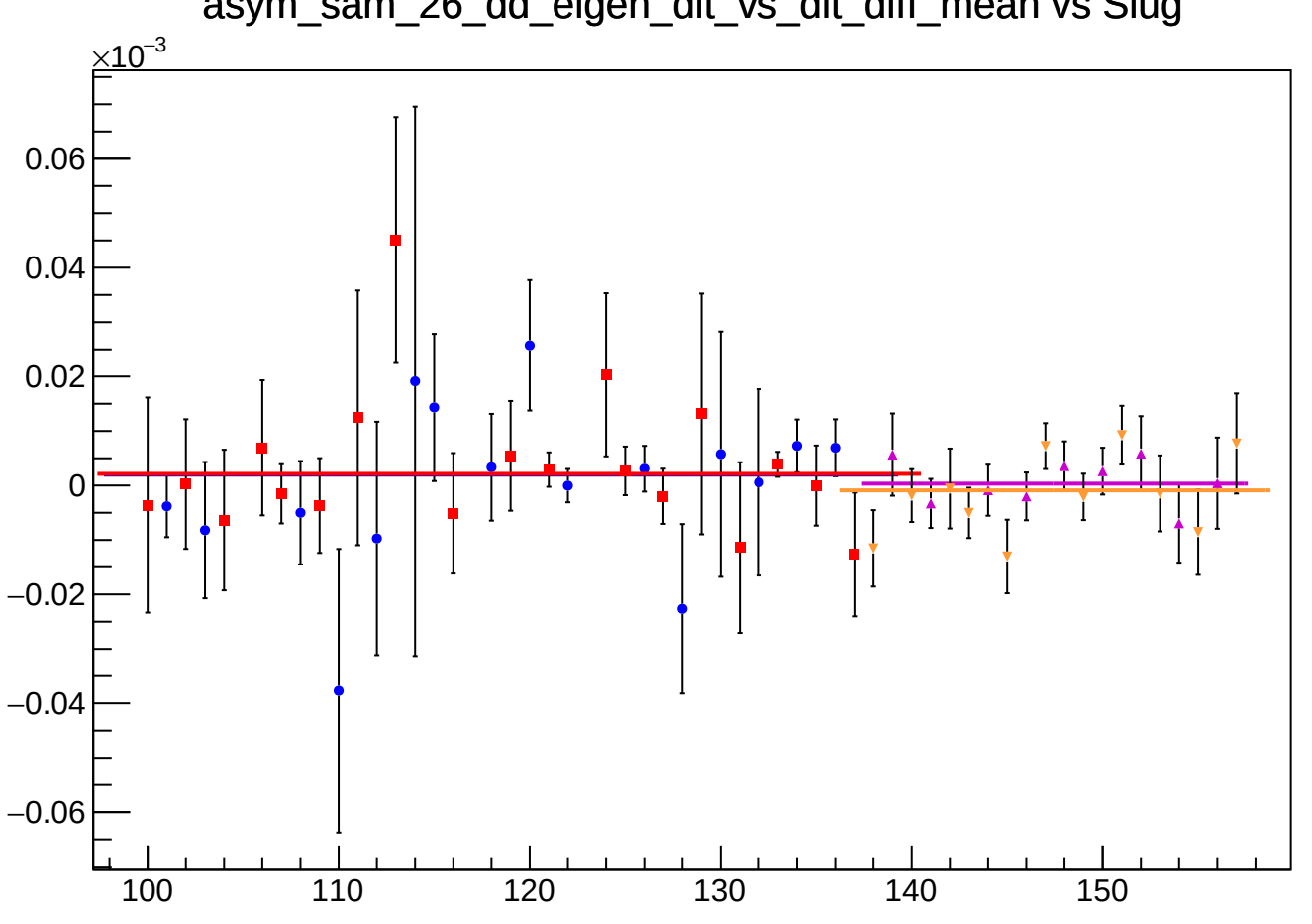
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.980+/-0.022 χ^2/NDF:253210.0/8

+ sign 83.570+/-0.015 χ^2/NDF: 1242734.4/26

All: 84.729+/-0.011 χ^2/NDF: 2499709.1/54

- sign 86.024+/-0.016 χ^2/NDF: 1244589.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/10

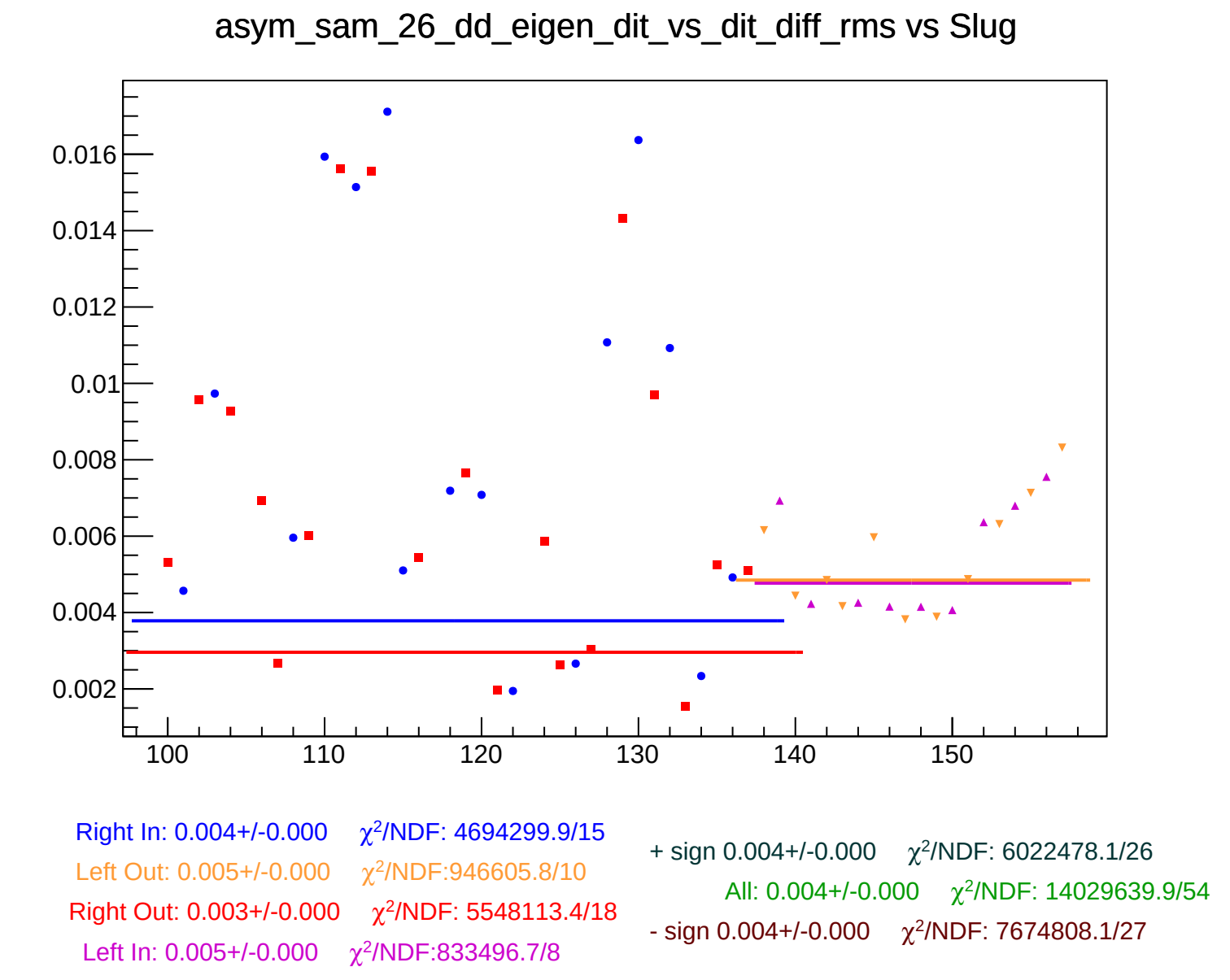
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/8

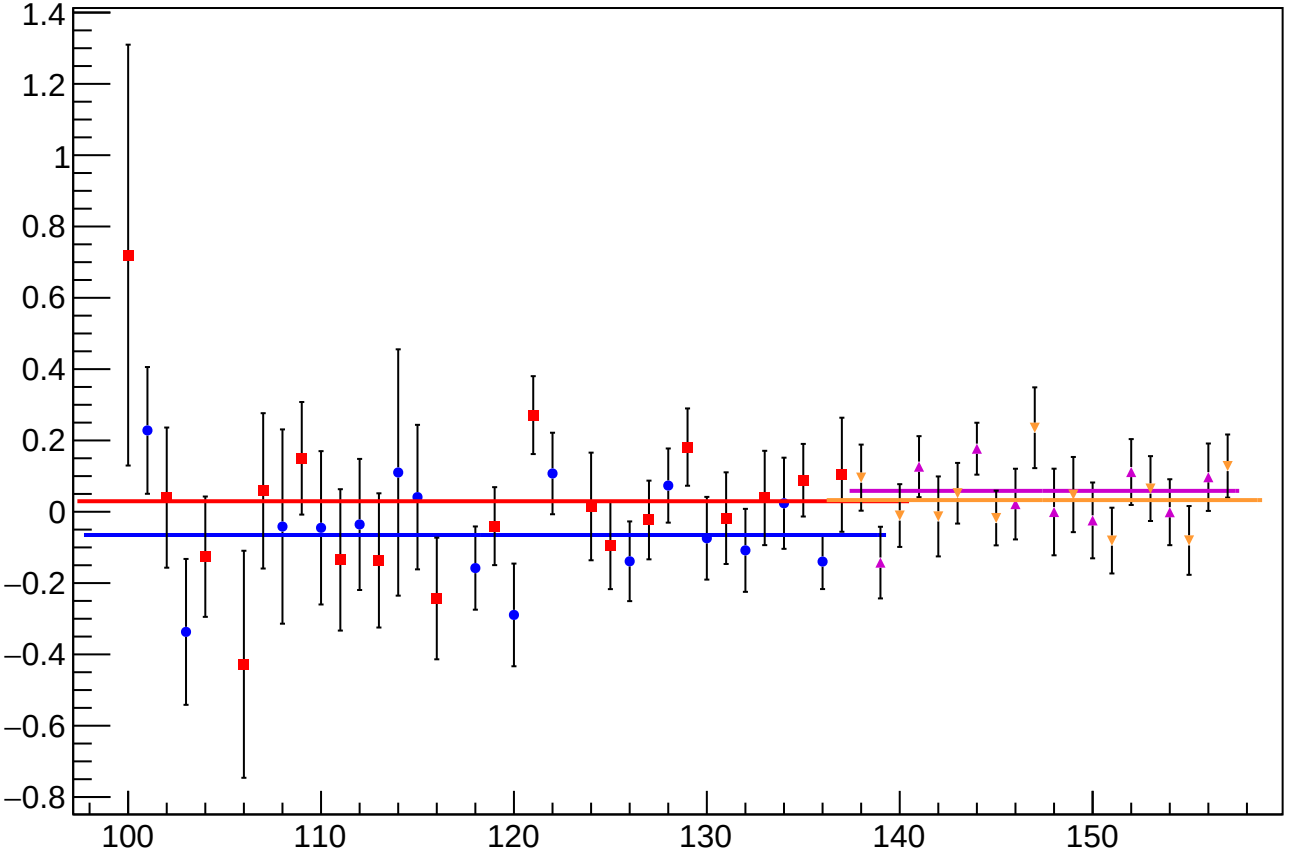
+ sign 0.000+/-0.000 χ^2/NDF: 31.9/26

All: 0.000+/-0.000 χ^2/NDF: 48.3/54

- sign 0.000+/-0.000 χ^2/NDF: 16.1/27


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:946605.8/10
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.005+/-0.000 χ²/NDF:833496.7/8
+ sign 0.004+/-0.000 χ²/NDF: 6022478.1/26
All: 0.004+/-0.000 χ²/NDF: 14029639.9/54
- sign 0.004+/-0.000 χ²/NDF: 7674808.1/27

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

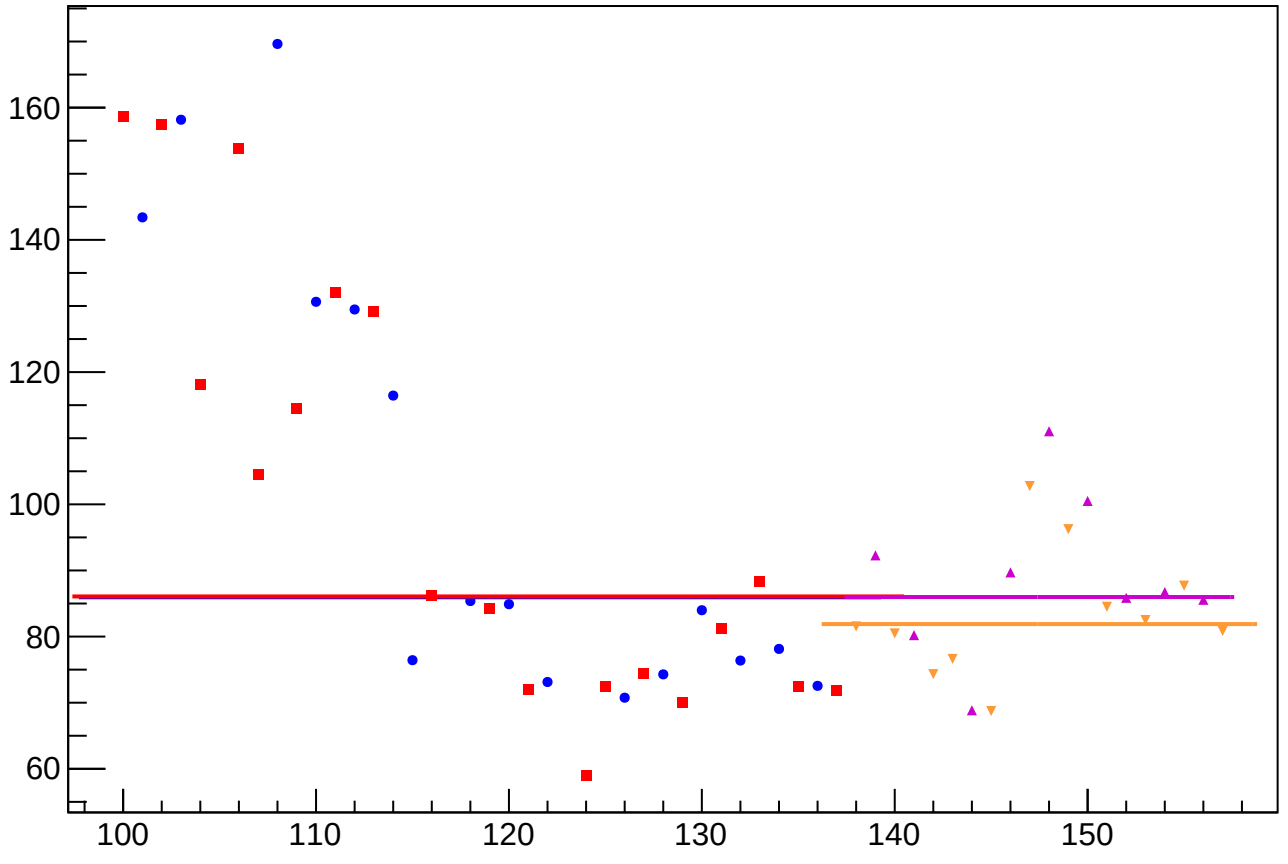
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.059+/-0.031 χ^2/NDF:9.2/8

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.017+/-0.016 χ^2/NDF: 58.5/54

- sign 0.045+/-0.023 χ^2/NDF: 27.7/27



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.890+/-0.020 χ^2/NDF:190386.3/10

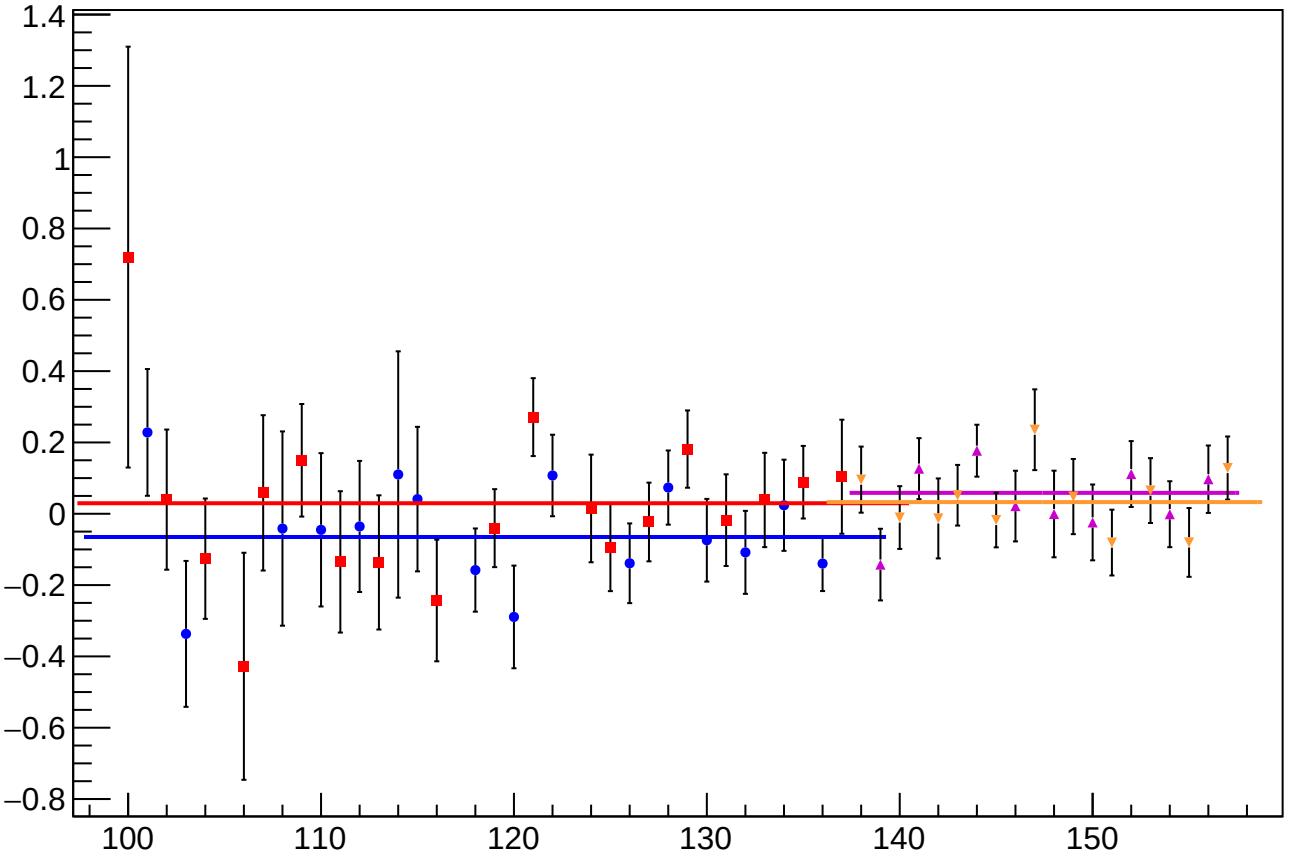
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.980+/-0.022 χ^2/NDF:253212.9/8

+ sign 83.569+/-0.015 χ^2/NDF: 1242724.0/26

All: 84.728+/-0.011 χ^2/NDF: 2499695.6/54

- sign 86.023+/-0.016 χ^2/NDF: 1244586.0/27



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.028 χ^2/NDF:8.8/10

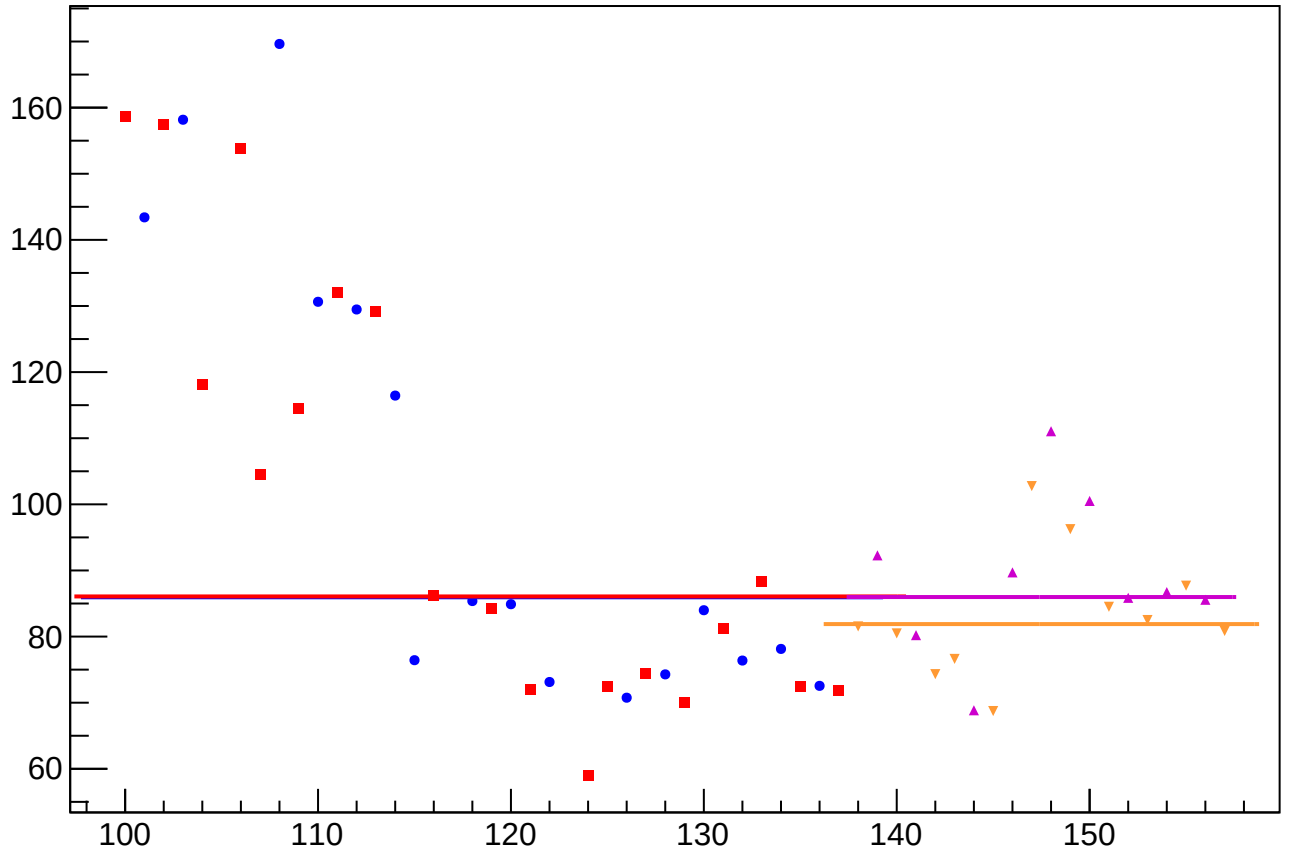
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.059+/-0.031 χ^2/NDF:9.2/8

+ sign -0.008+/-0.021 χ^2/NDF: 28.0/26

All: 0.017+/-0.016 χ^2/NDF: 58.5/54

- sign 0.045+/-0.023 χ^2/NDF: 27.7/27



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.890+/-0.020 χ^2/NDF:190386.3/10

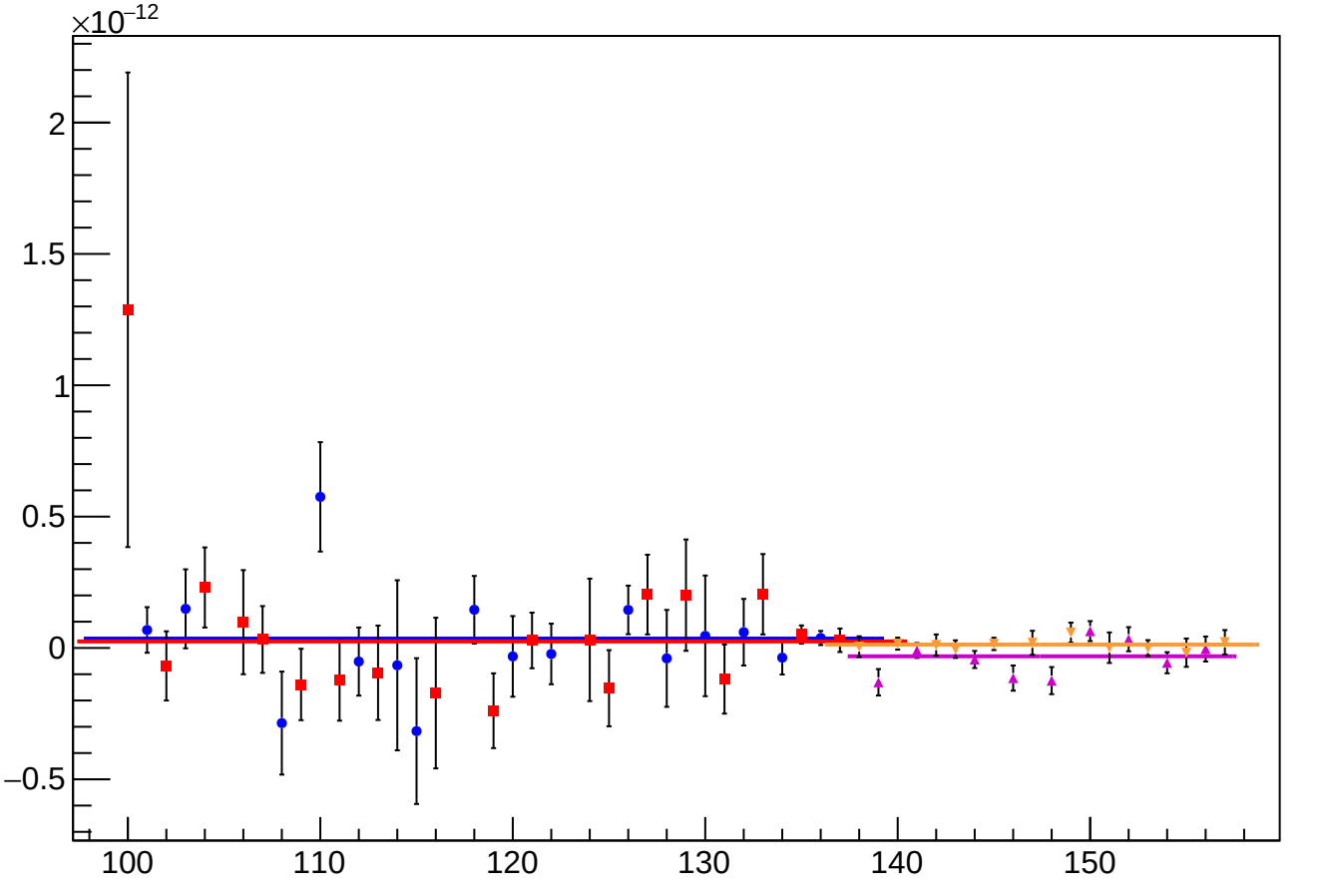
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.980+/-0.022 χ^2/NDF:253212.9/8

+ sign 83.569+/-0.015 χ^2/NDF: 1242724.0/26

All: 84.728+/-0.011 χ^2/NDF: 2499695.6/54

- sign 86.023+/-0.016 χ^2/NDF: 1244586.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/10

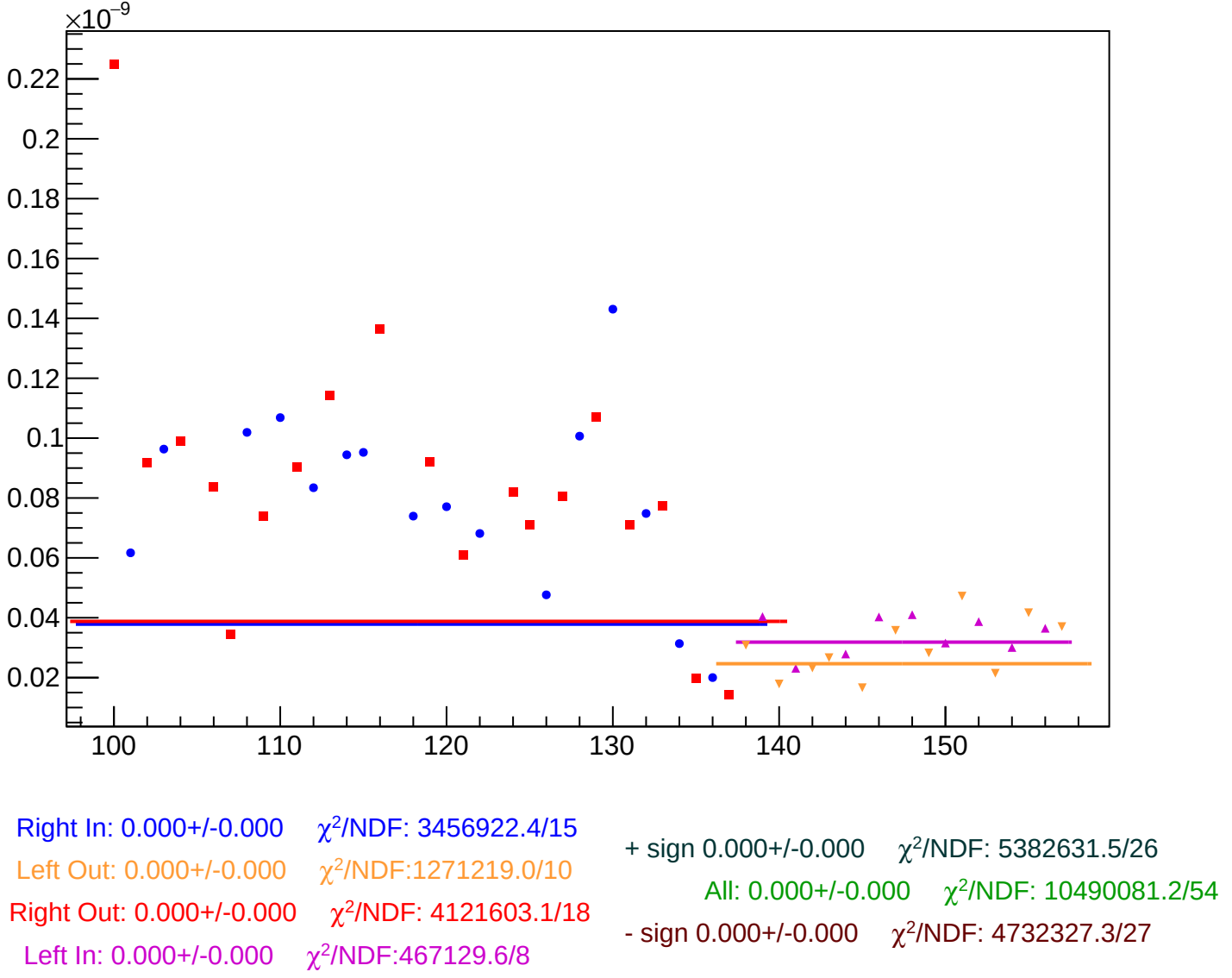
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/8

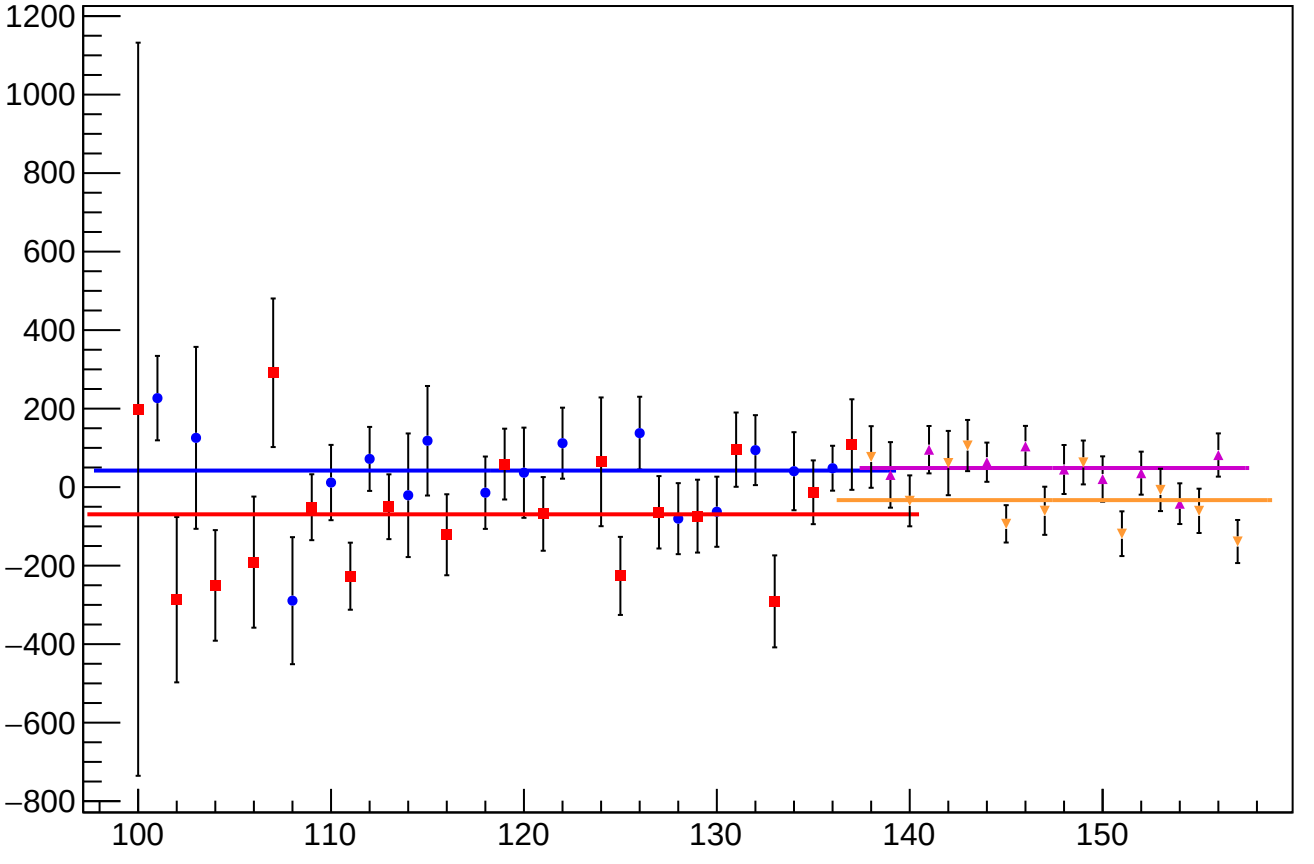
+ sign 0.000+/-0.000 χ^2/NDF: 19.7/26

All: 0.000+/-0.000 χ^2/NDF: 67.7/54

- sign -0.000+/-0.000 χ^2/NDF: 42.6/27


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1271219.0/10
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:467129.6/8
+ sign 0.000+/-0.000 χ²/NDF: 5382631.5/26
All: 0.000+/-0.000 χ²/NDF: 10490081.2/54
- sign 0.000+/-0.000 χ²/NDF: 4732327.3/27

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.105+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

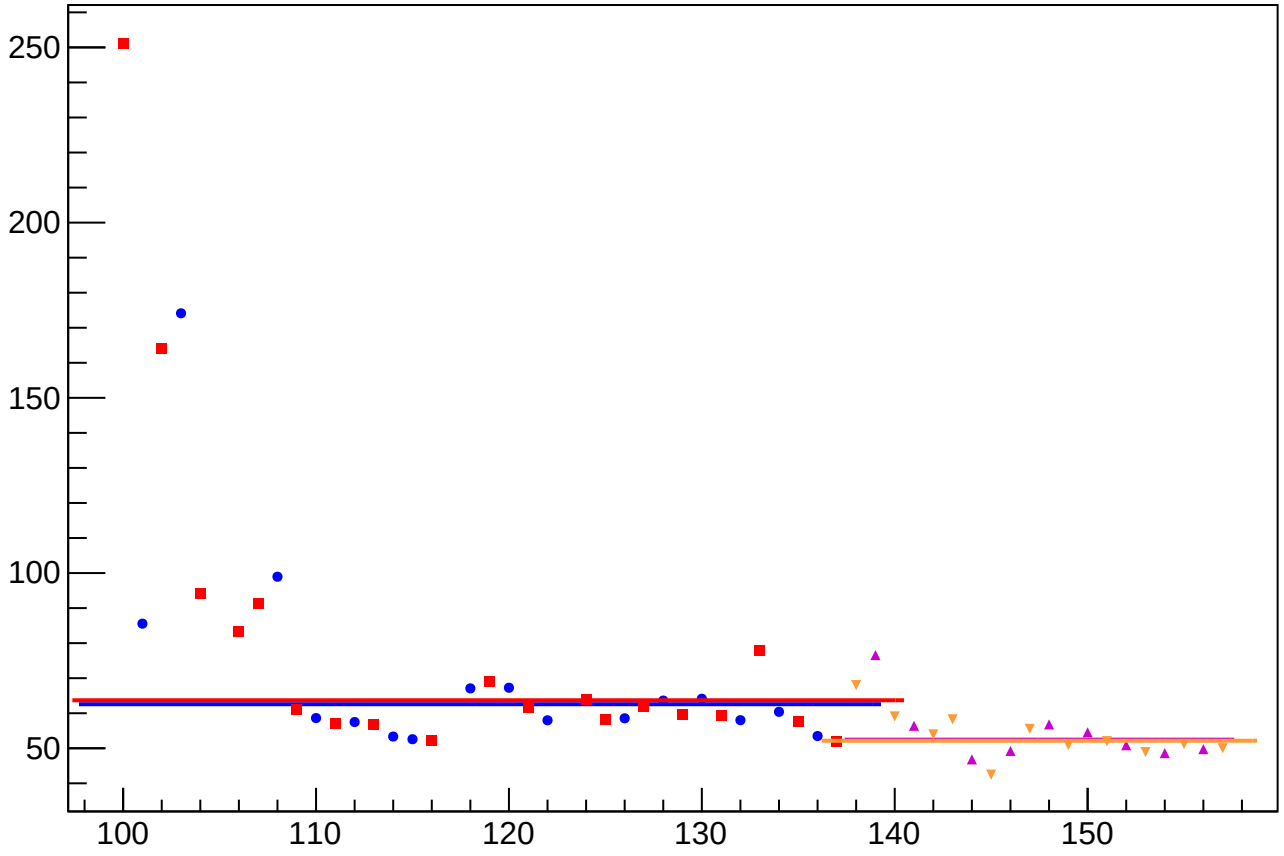
Left In: 48.702+/-18.970 χ^2/NDF:5.6/8

\+ sign -6.419+/-14.408 χ^2/NDF: 38.8/26

All: -1.264+/-10.385 χ^2/NDF: 84.6/54

\- sign 4.308+/-14.980 χ^2/NDF: 45.5/27

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

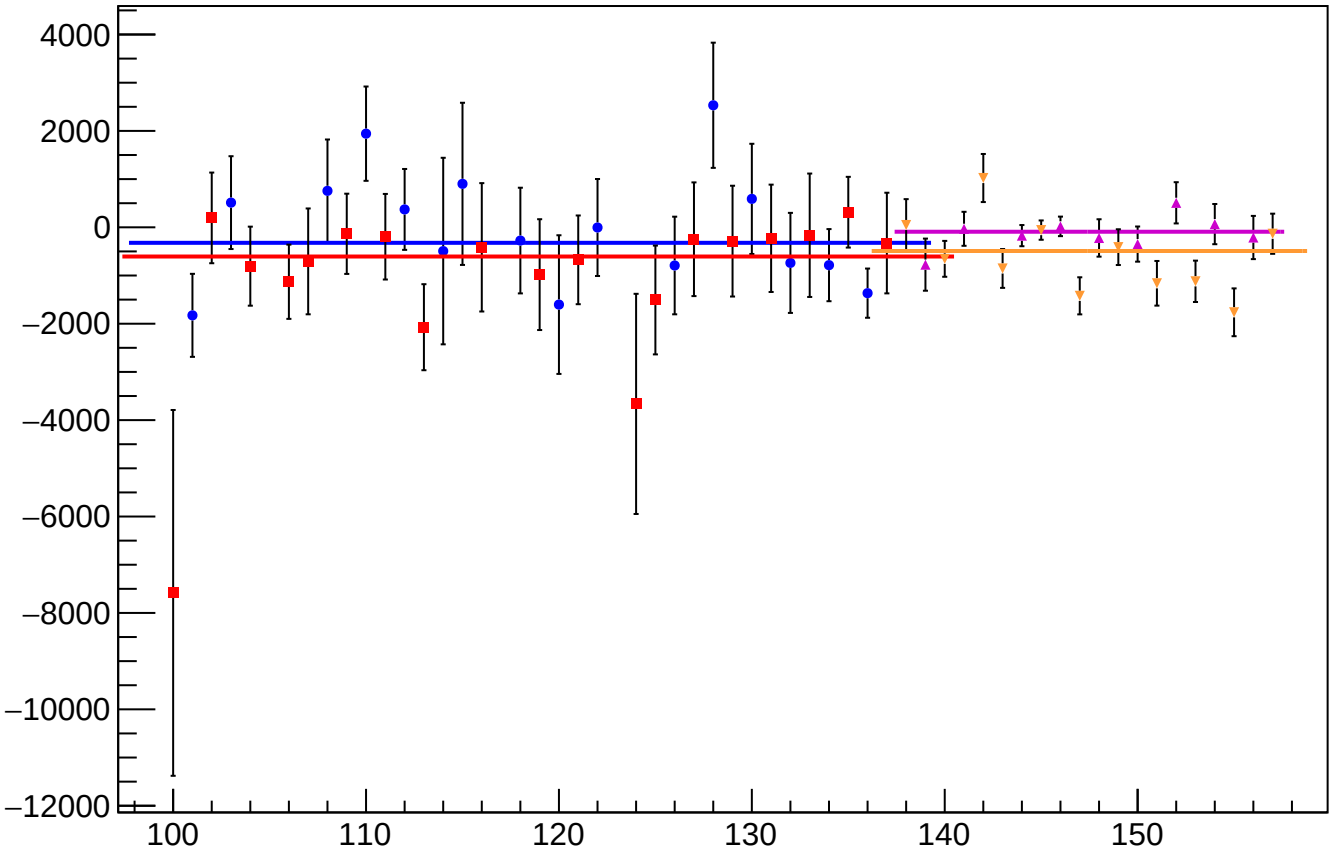
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.460+/-0.013 χ^2/NDF:238635.2/8

+ sign 55.844+/-0.010 χ^2/NDF: 1221349.4/26

All: 56.251+/-0.007 χ^2/NDF: 2561721.2/54

- sign 56.690+/-0.011 χ^2/NDF: 1337056.7/27



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -491.416+/-111.985 χ^2/NDF:33.3/10

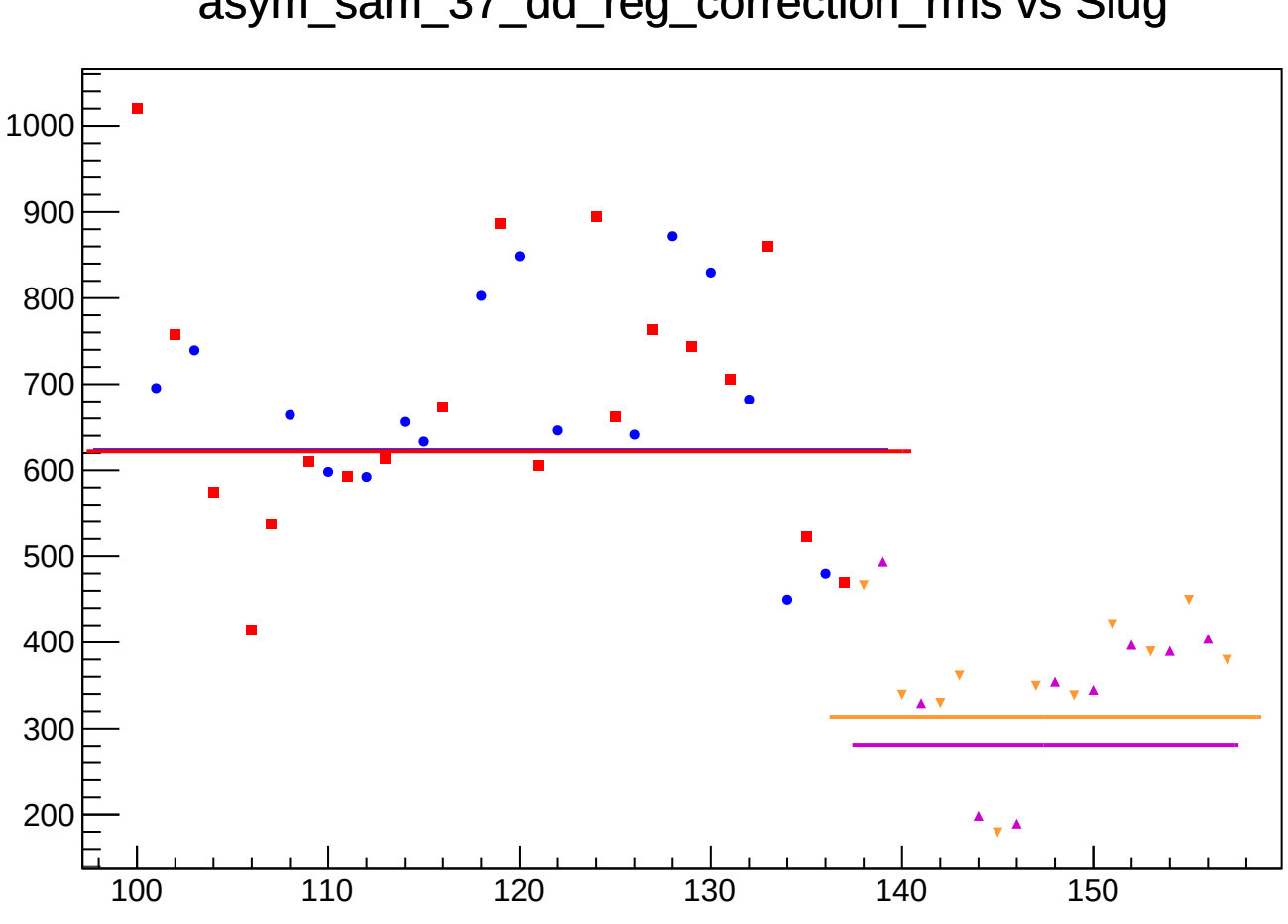
Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: -91.773+/-107.259 χ^2/NDF:4.8/8

+ sign -460.748+/-101.366 χ^2/NDF: 56.5/26

All: -315.541+/-70.262 χ^2/NDF: 81.8/54

- sign -181.257+/-97.478 χ^2/NDF: 21.3/27



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498488.7/10

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

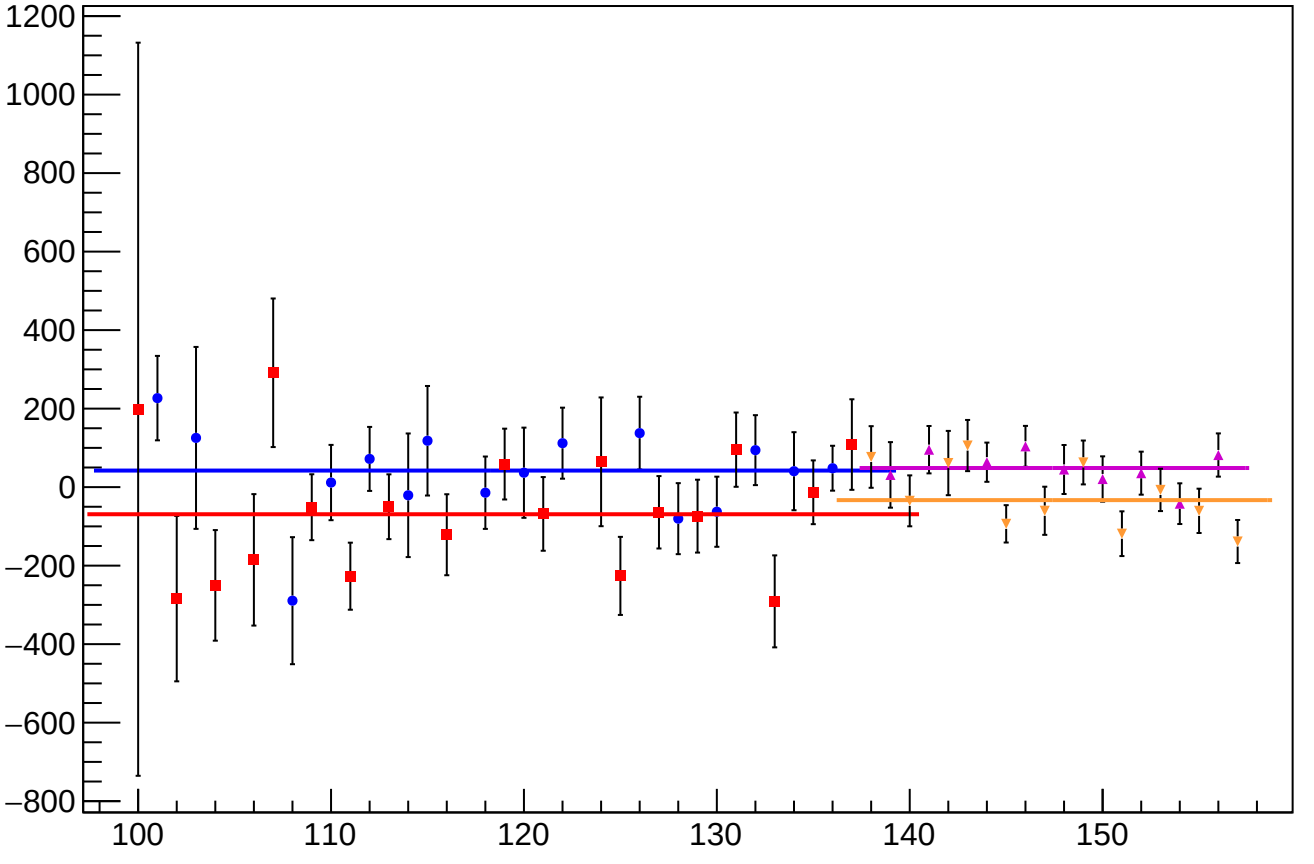
Left In: 281.251+/-0.076 χ^2/NDF:1605169.4/8

+ sign 369.472+/-0.072 χ^2/NDF: 4826675.4/26

All: 354.450+/-0.050 χ^2/NDF: 10611951.9/54

- sign 340.559+/-0.069 χ^2/NDF: 5700738.5/27

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

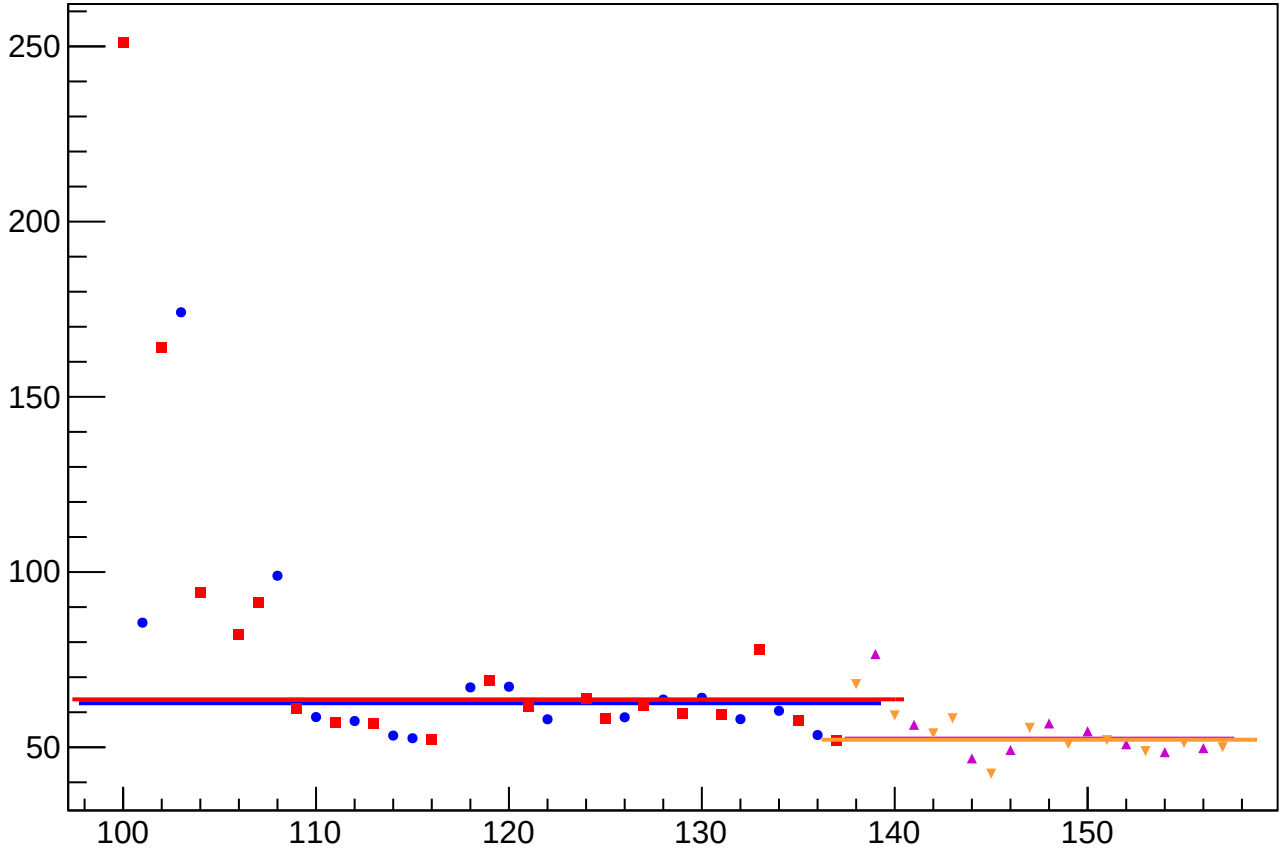
Left In: 48.701+/-18.970 χ^2/NDF:5.6/8

\+ sign -6.420+/-14.408 χ^2/NDF: 38.8/26

All: -1.231+/-10.385 χ^2/NDF: 84.5/54

\- sign 4.379+/-14.981 χ^2/NDF: 45.4/27

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

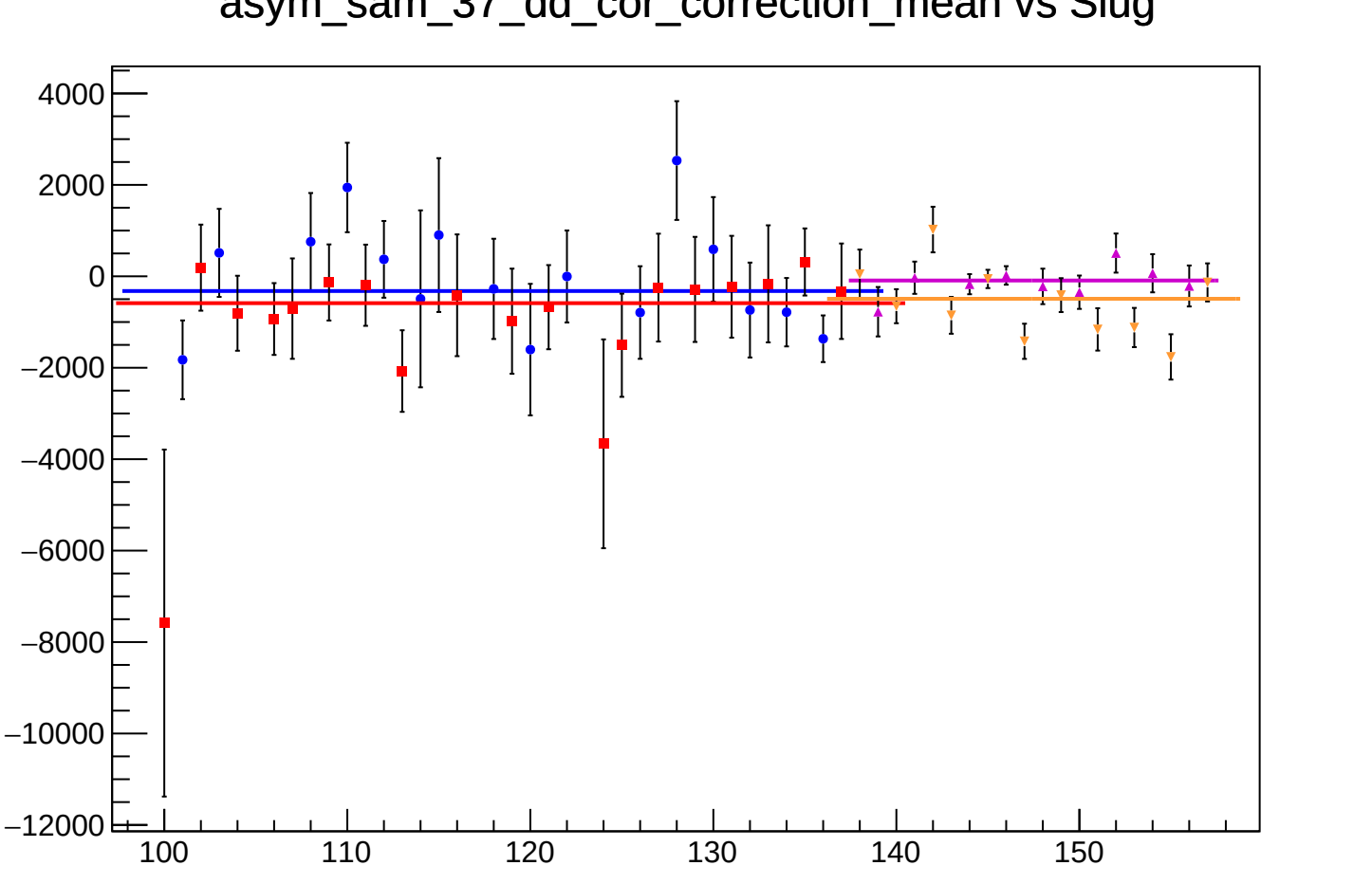
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.460+/-0.013 χ^2/NDF:238635.2/8

+ sign 55.844+/-0.010 χ^2/NDF: 1221351.4/26

All: 56.246+/-0.007 χ^2/NDF: 2557748.4/54

- sign 56.681+/-0.011 χ^2/NDF: 1333155.2/27



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

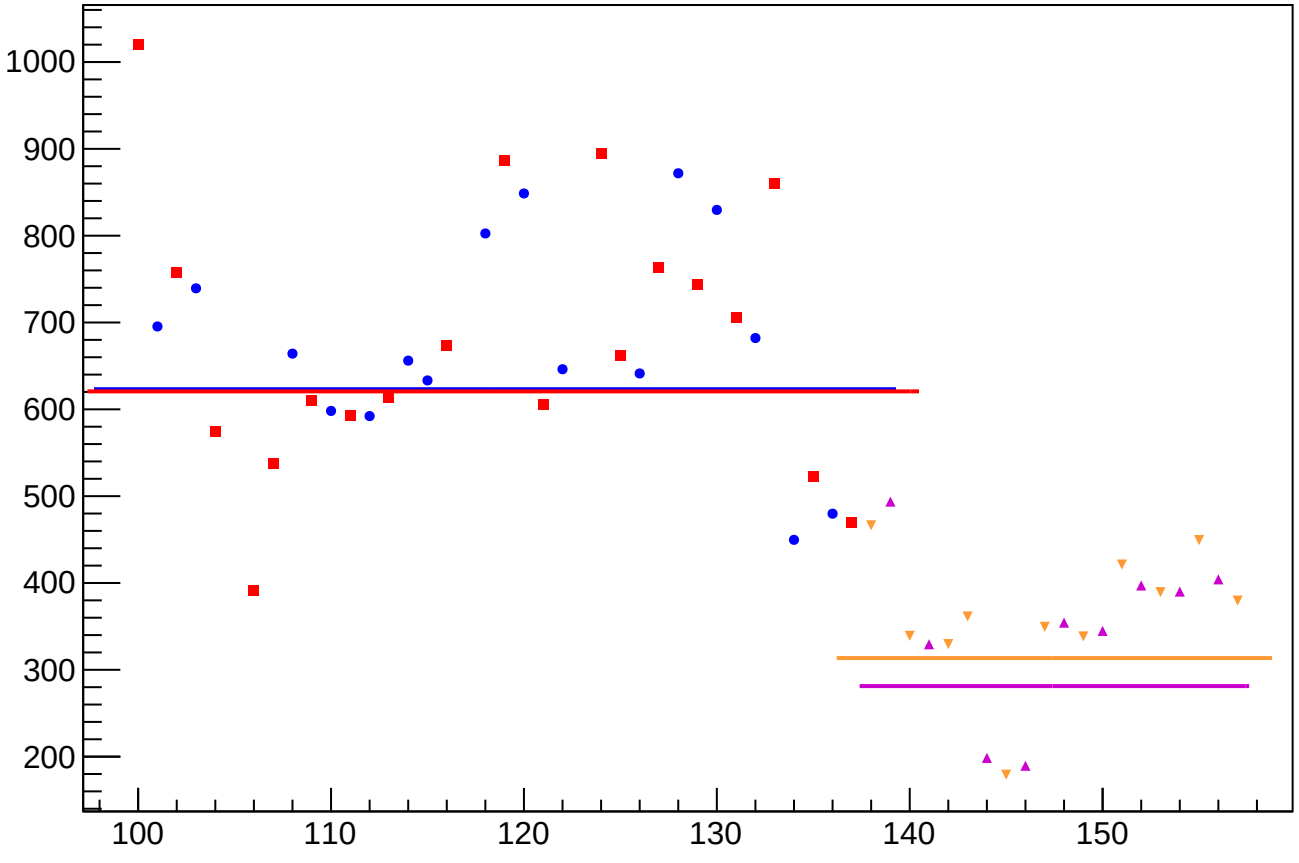
Left In: -91.777+/-107.259 χ^2/NDF:4.8/8

+ sign -460.745+/-101.366 χ^2/NDF: 56.5/26

All: -313.764+/-70.274 χ^2/NDF: 81.2/54

- sign -177.751+/-97.510 χ^2/NDF: 20.7/27

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

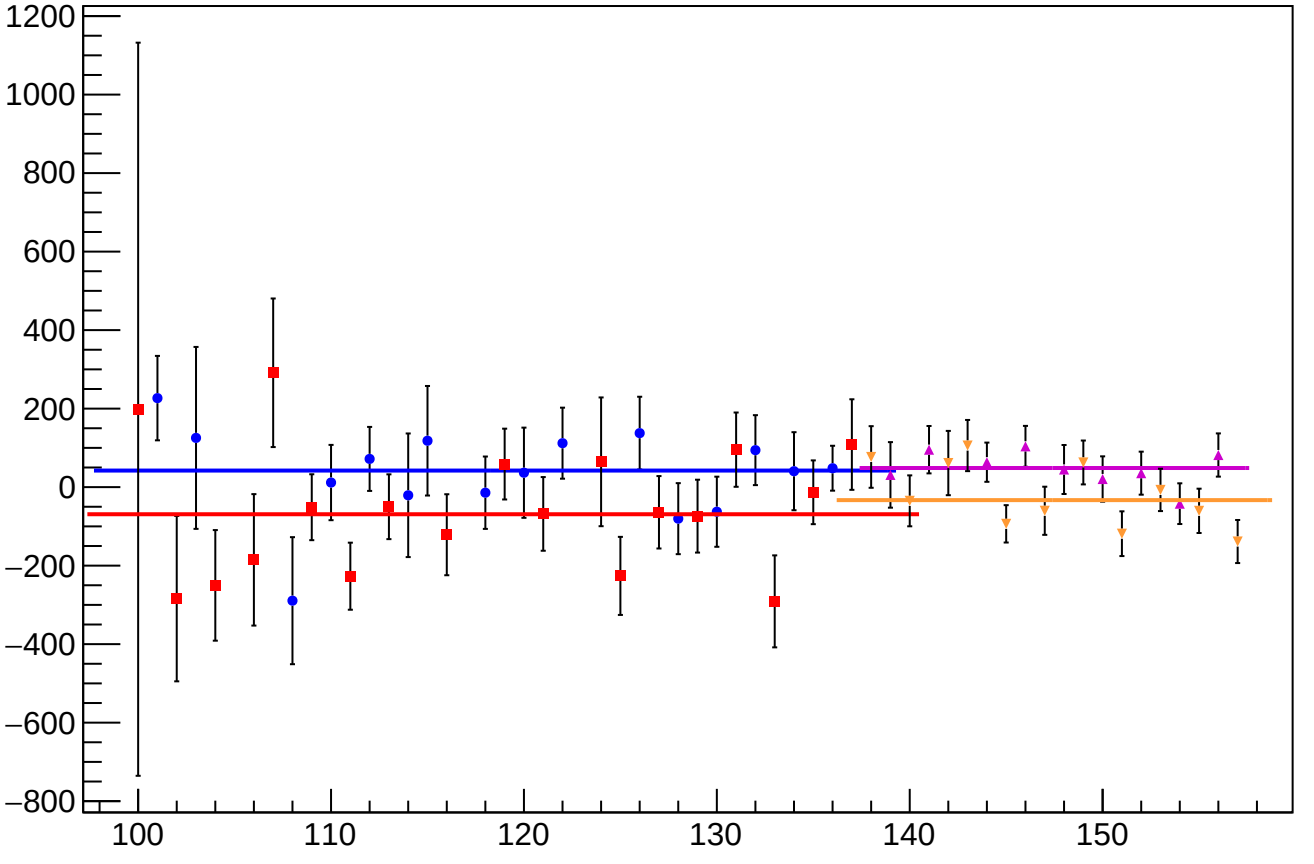
Left In: 281.251+/-0.076 χ^2/NDF:1605175.6/8

+ sign 369.471+/-0.072 χ^2/NDF: 4826745.1/26

All: 354.242+/-0.050 χ^2/NDF: 10604807.5/54

- sign 340.150+/-0.069 χ^2/NDF: 5691145.7/27

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -33.103+/-17.931 χ^2/NDF:19.0/10

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

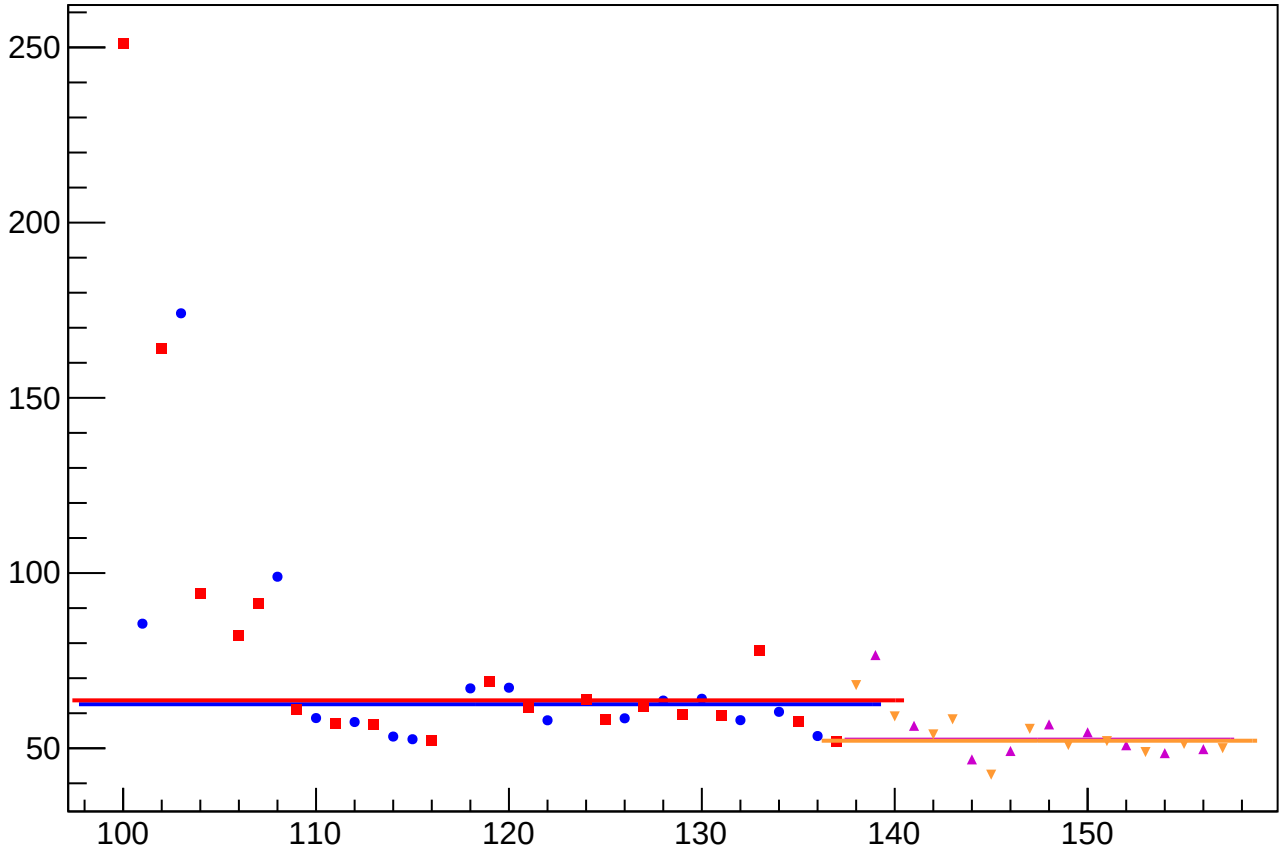
Left In: 48.701+/-18.970 χ^2/NDF:5.6/8

\+ sign -6.420+/-14.408 χ^2/NDF: 38.8/26

All: -1.231+/-10.385 χ^2/NDF: 84.5/54

\- sign 4.379+/-14.981 χ^2/NDF: 45.4/27

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.156+/-0.013 χ^2/NDF:223936.0/10

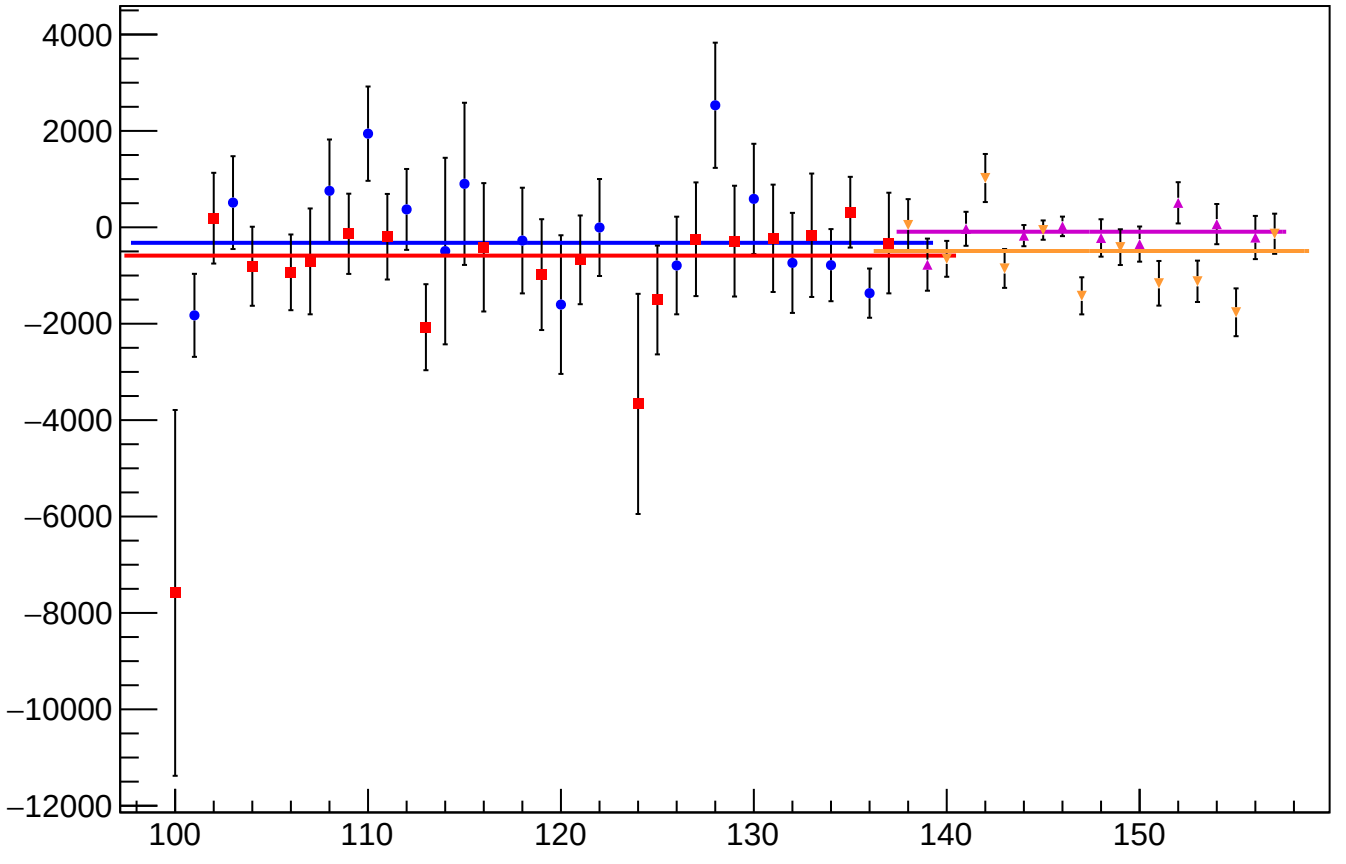
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.460+/-0.013 χ^2/NDF:238635.2/8

+ sign 55.844+/-0.010 χ^2/NDF: 1221351.4/26

All: 56.246+/-0.007 χ^2/NDF: 2557748.4/54

- sign 56.681+/-0.011 χ^2/NDF: 1333155.2/27



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -491.413+/-111.985 χ^2/NDF:33.3/10

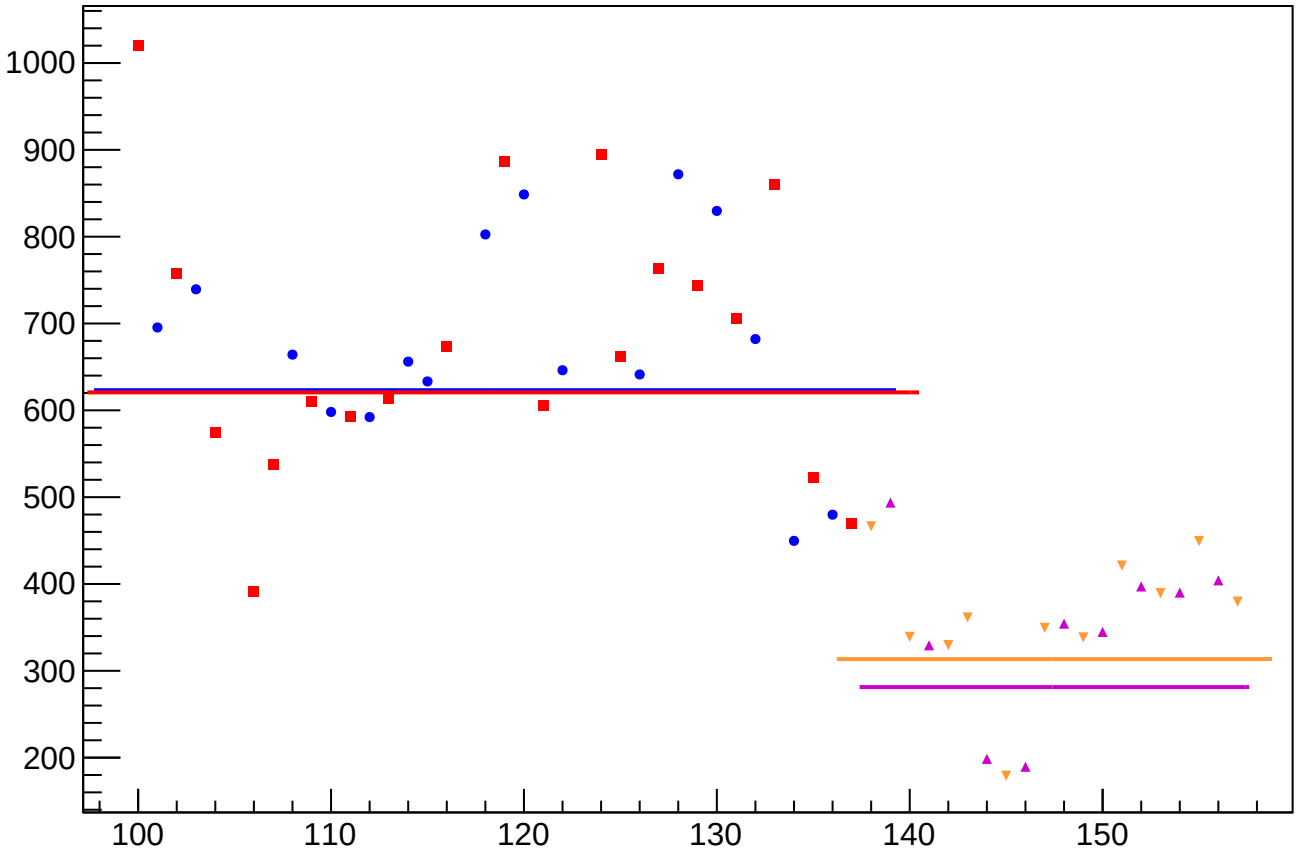
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -91.777+/-107.259 χ^2/NDF:4.8/8

+ sign -460.745+/-101.366 χ^2/NDF: 56.5/26

All: -313.764+/-70.274 χ^2/NDF: 81.2/54

- sign -177.751+/-97.510 χ^2/NDF: 20.7/27



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 313.529+/-0.079 χ^2/NDF:1498494.9/10

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

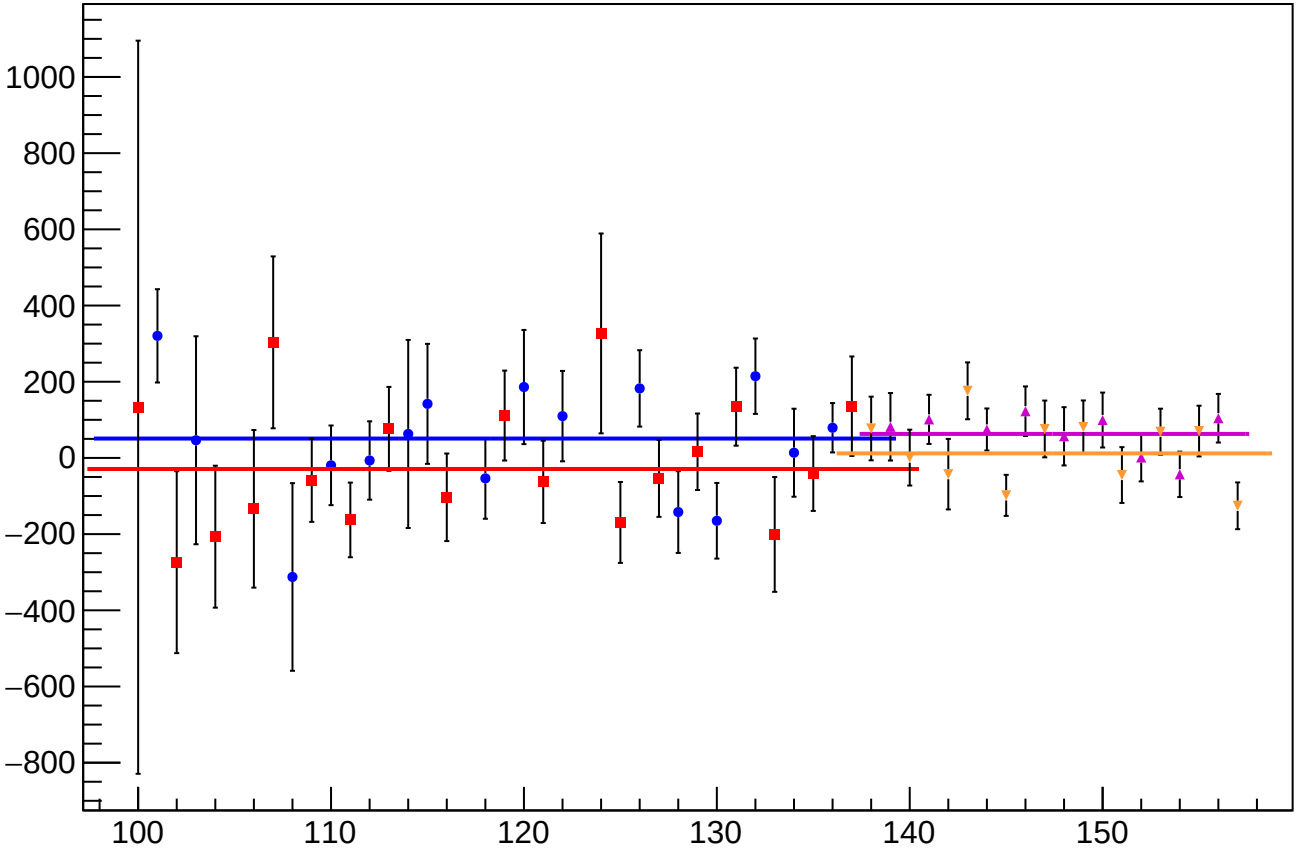
Left In: 281.251+/-0.076 χ^2/NDF:1605175.6/8

+ sign 369.471+/-0.072 χ^2/NDF: 4826745.1/26

All: 354.242+/-0.050 χ^2/NDF: 10604807.5/54

- sign 340.150+/-0.069 χ^2/NDF: 5691145.7/27

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.895+/-20.814 χ^2/NDF:19.0/10

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

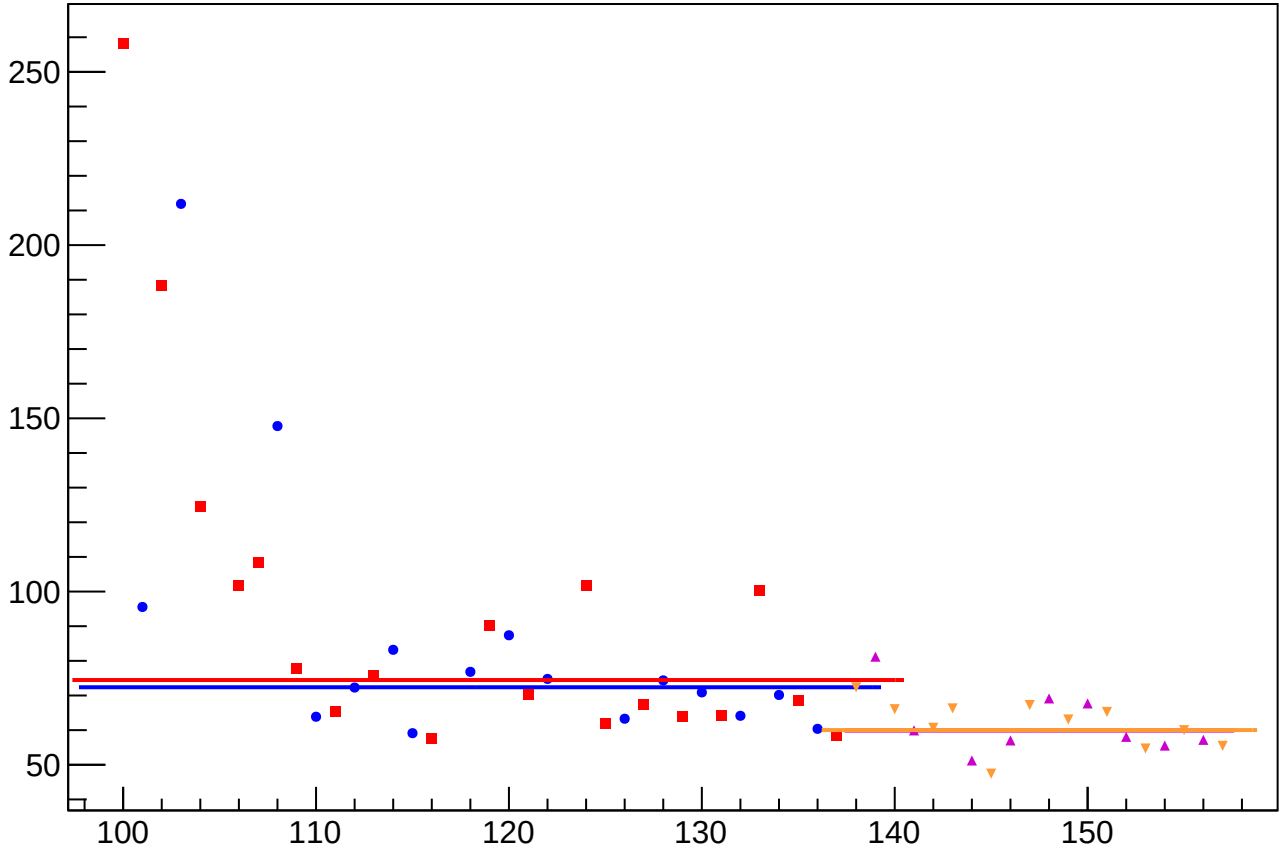
Left In: 63.015+/-21.941 χ^2/NDF:6.1/8

\+ sign 25.556+/-16.771 χ^2/NDF: 43.1/26

All: 27.385+/-12.101 χ^2/NDF: 74.2/54

\- sign 29.371+/-17.477 χ^2/NDF: 31.0/27

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.018+/-0.015 χ^2/NDF:239927.2/10

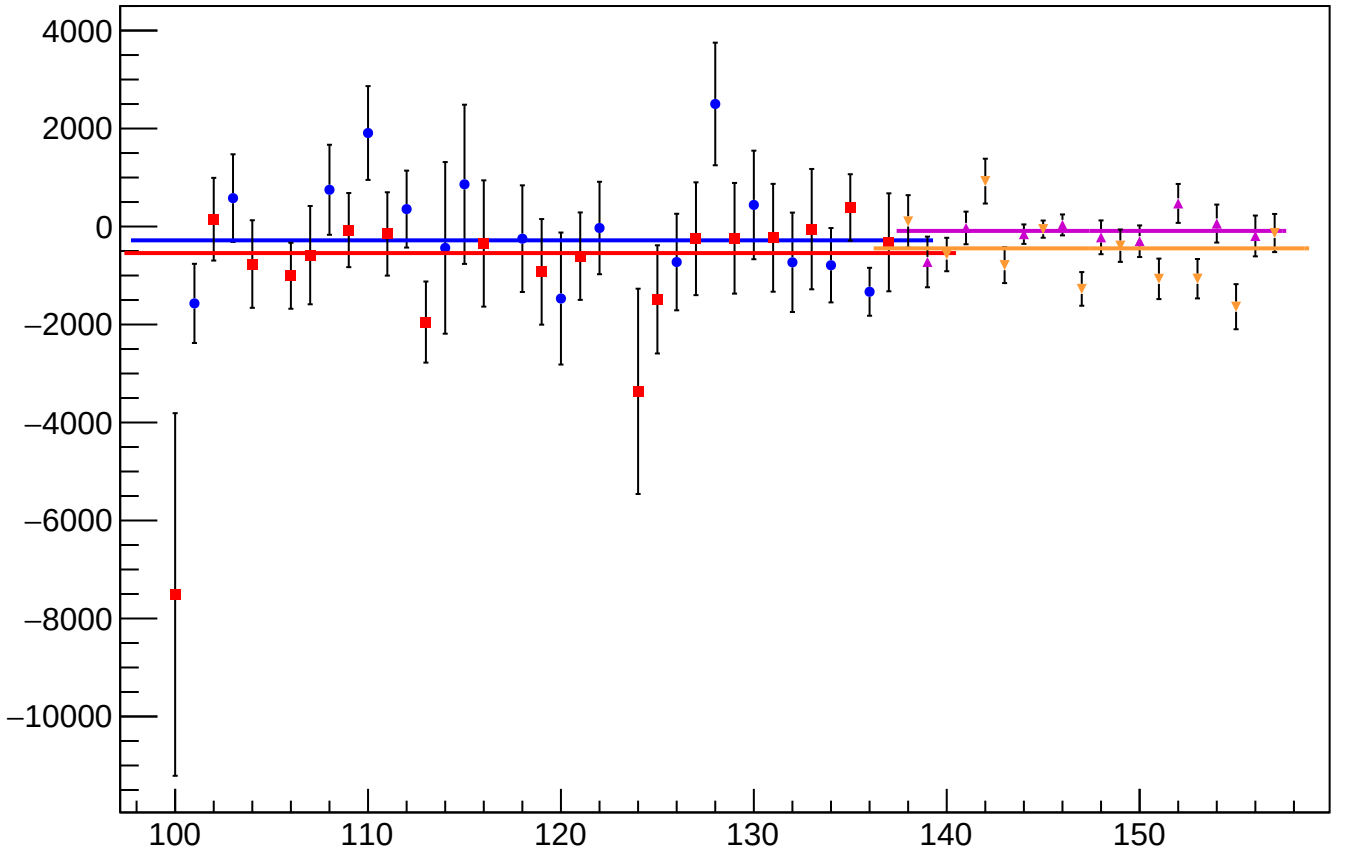
Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 59.868+/-0.016 χ^2/NDF:237804.3/8

+ sign 64.353+/-0.012 χ^2/NDF: 1425502.0/26

All: 64.760+/-0.009 χ^2/NDF: 3041507.6/54

- sign 65.203+/-0.012 χ^2/NDF: 1613547.0/27



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.380+/-101.145 χ^2/NDF:33.9/10

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

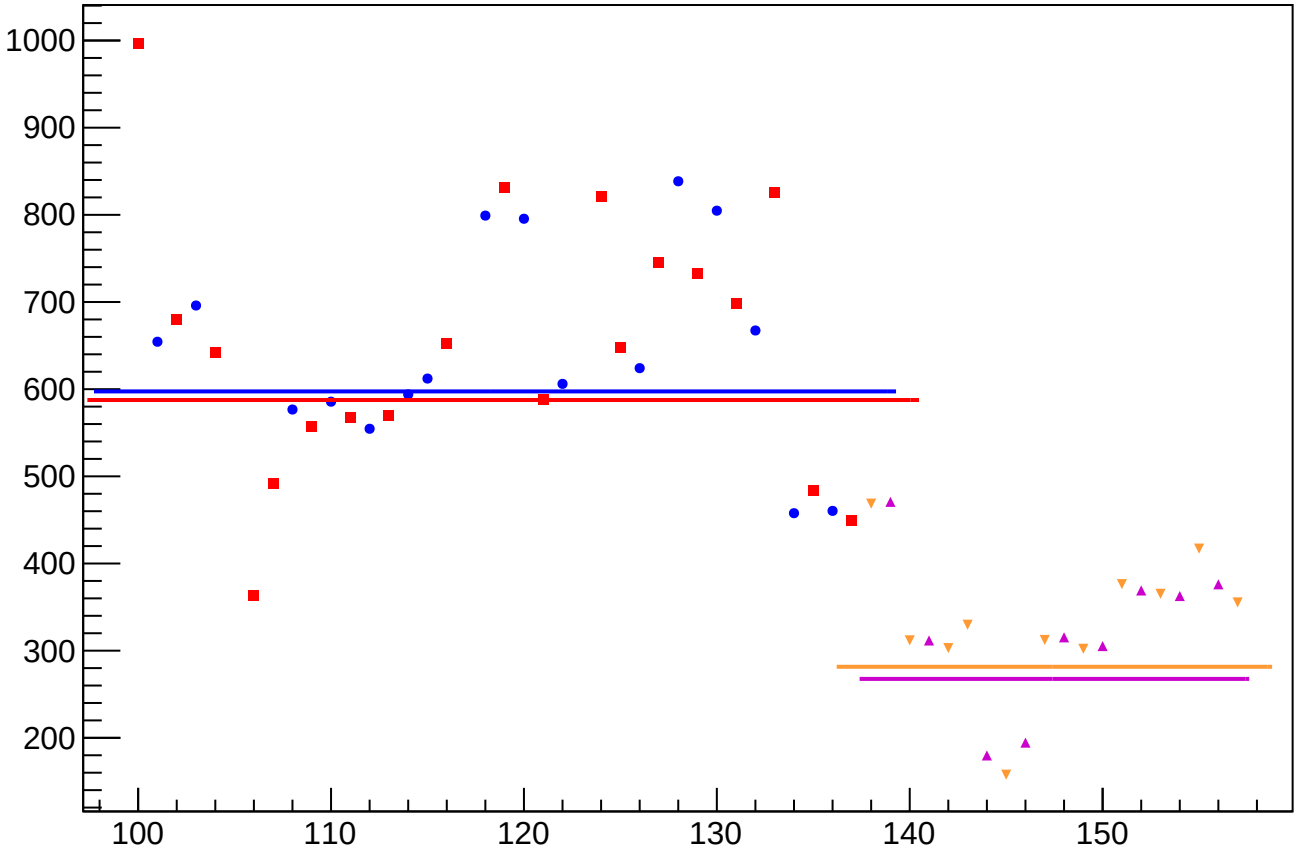
Left In: -89.453+/-101.663 χ^2/NDF:4.7/8

+ sign -418.480+/-92.442 χ^2/NDF: 57.1/26

All: -293.396+/-65.335 χ^2/NDF: 82.2/54

- sign -168.553+/-92.353 χ^2/NDF: 21.5/27

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 281.518+/-0.072 χ^2/NDF:1755505.8/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

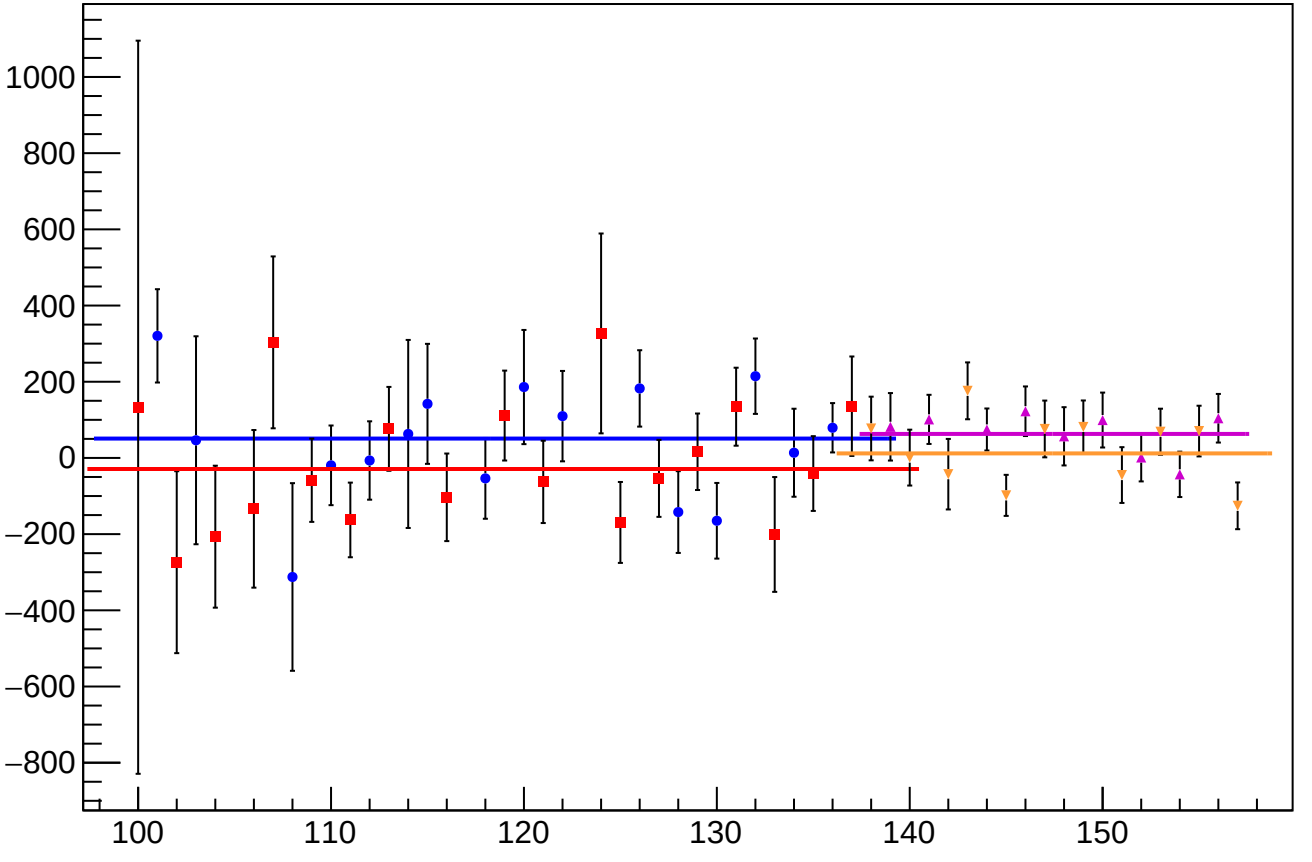
Left In: 267.615+/-0.072 χ^2/NDF:1420350.7/8

+ sign 333.547+/-0.065 χ^2/NDF: 5502713.7/26

All: 328.536+/-0.046 χ^2/NDF: 11086086.3/54

- sign 323.535+/-0.065 χ^2/NDF: 5571632.9/27

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 11.896+/-20.814 χ^2/NDF:19.0/10

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

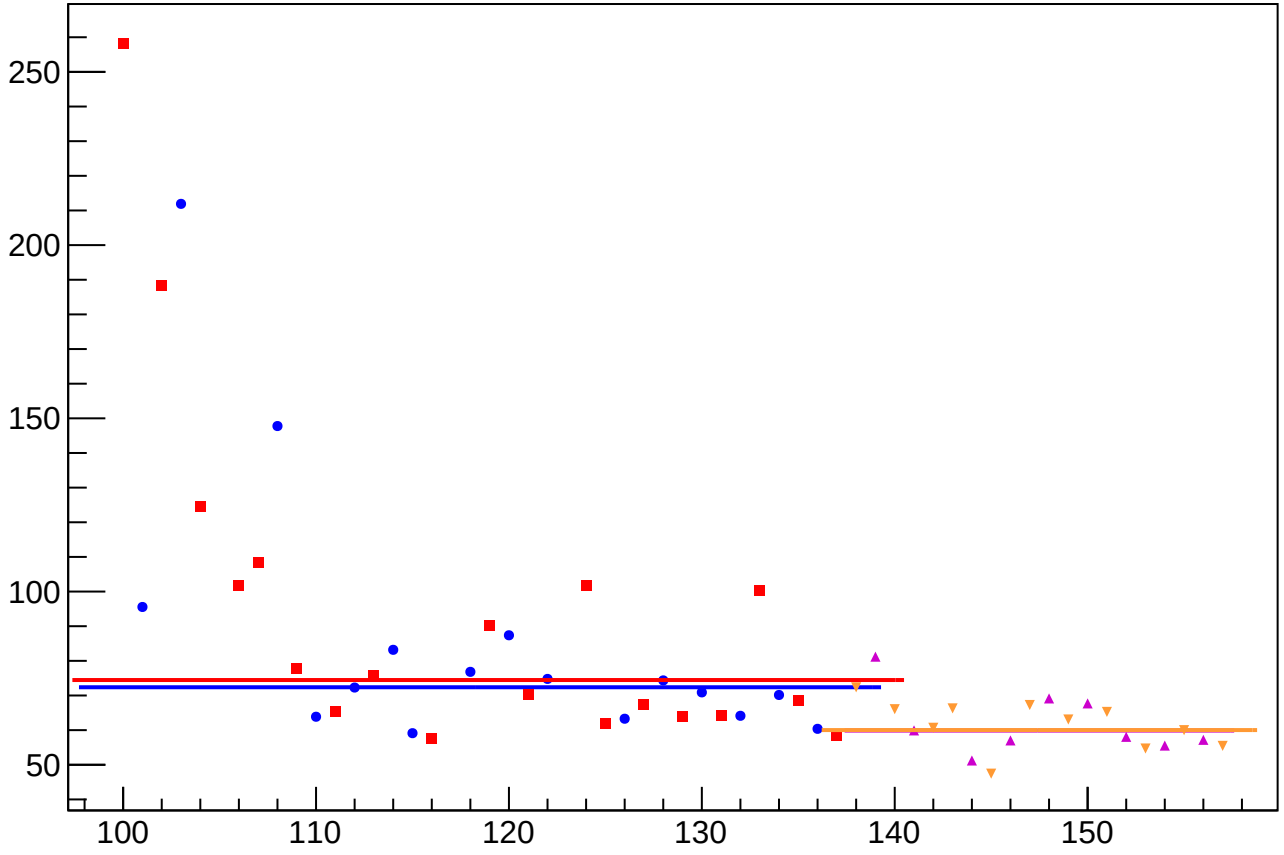
Left In: 63.015+/-21.941 χ^2/NDF:6.1/8

\+ sign 25.557+/-16.771 χ^2/NDF: 43.1/26

All: 27.385+/-12.101 χ^2/NDF: 74.2/54

\- sign 29.371+/-17.477 χ^2/NDF: 31.0/27

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.018+/-0.015 χ^2/NDF:239936.5/10

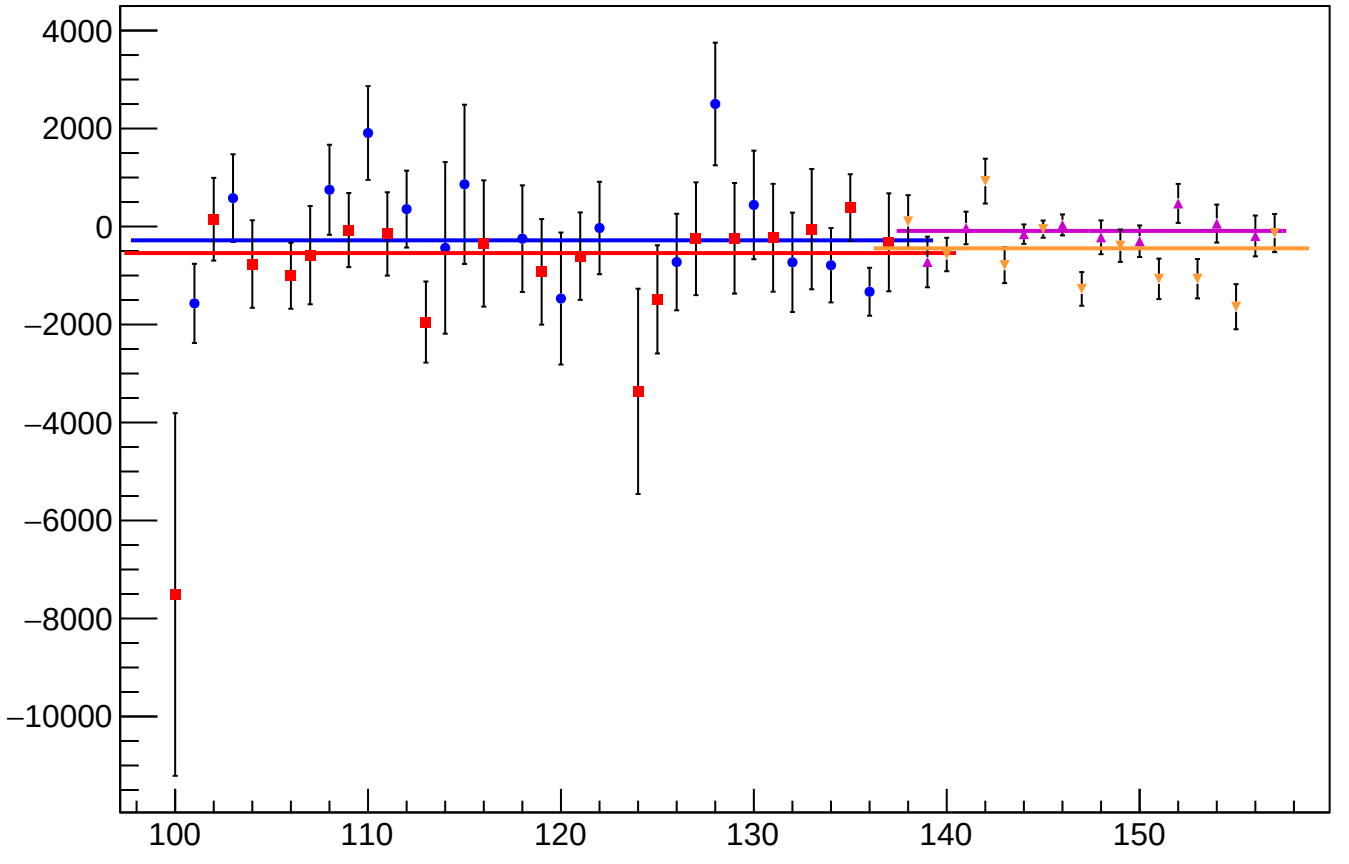
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.869+/-0.016 χ^2/NDF:237804.9/8

+ sign 64.354+/-0.012 χ^2/NDF: 1425499.1/26

All: 64.761+/-0.009 χ^2/NDF: 3041484.9/54

- sign 65.203+/-0.012 χ^2/NDF: 1613527.3/27



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -445.381+/-101.145 χ^2/NDF:33.9/10

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

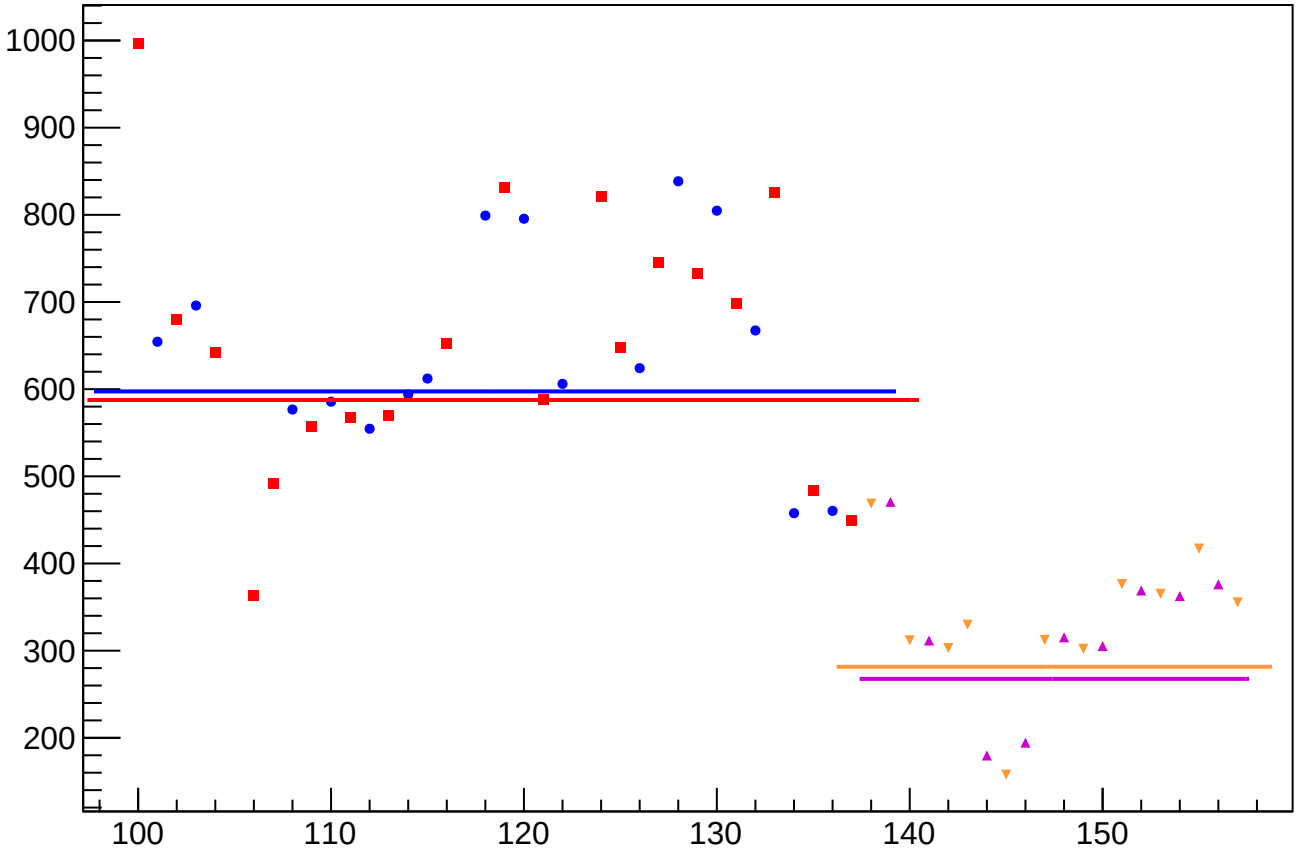
Left In: -89.452+/-101.663 χ^2/NDF:4.7/8

+ sign -418.480+/-92.441 χ^2/NDF: 57.1/26

All: -293.396+/-65.334 χ^2/NDF: 82.2/54

- sign -168.553+/-92.352 χ^2/NDF: 21.5/27

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 281.517+/-0.072 χ^2/NDF:1755494.5/10

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

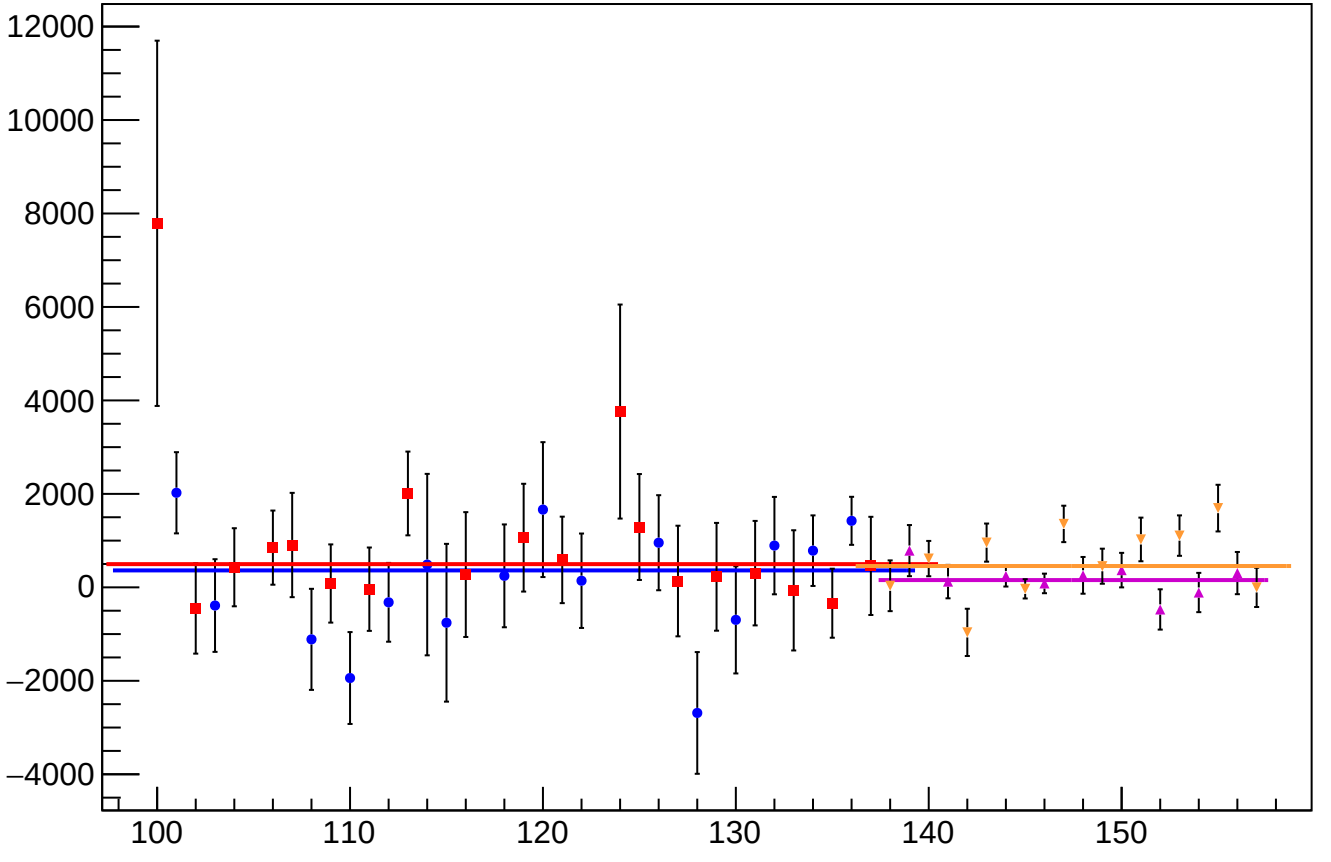
Left In: 267.614+/-0.072 χ^2/NDF:1420343.2/8

+ sign 333.546+/-0.065 χ^2/NDF: 5502710.0/26

All: 328.536+/-0.046 χ^2/NDF: 11086077.9/54

- sign 323.535+/-0.065 χ^2/NDF: 5571628.0/27

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 456.374+/-113.827 χ^2/NDF:32.2/10

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

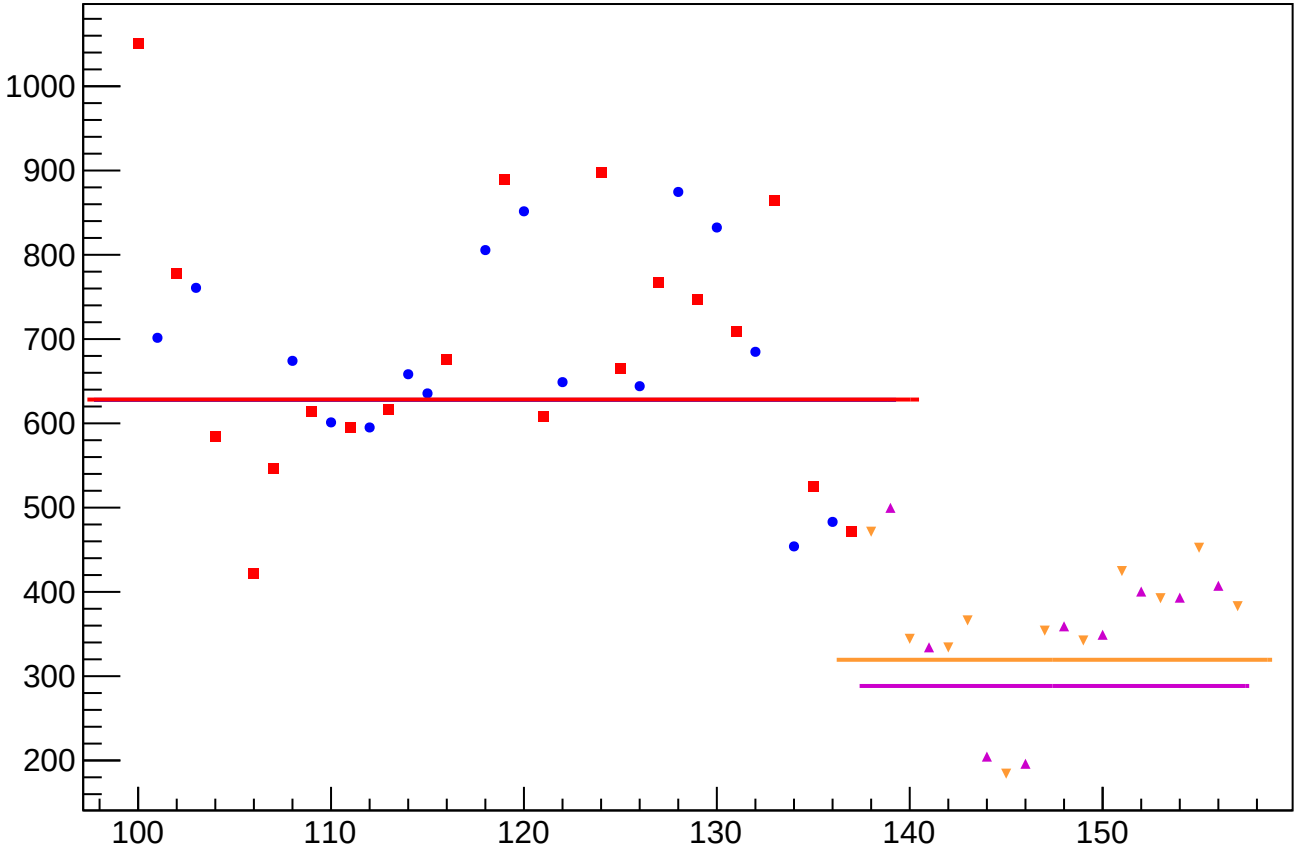
Left In: 155.553+/-109.569 χ^2/NDF:4.6/8

+ sign 439.150+/-102.870 χ^2/NDF: 57.4/26

All: 323.741+/-71.475 χ^2/NDF: 78.9/54

- sign 216.025+/-99.382 χ^2/NDF: 19.0/27

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 319.457+/-0.080 χ^2/NDF:1423358.4/10

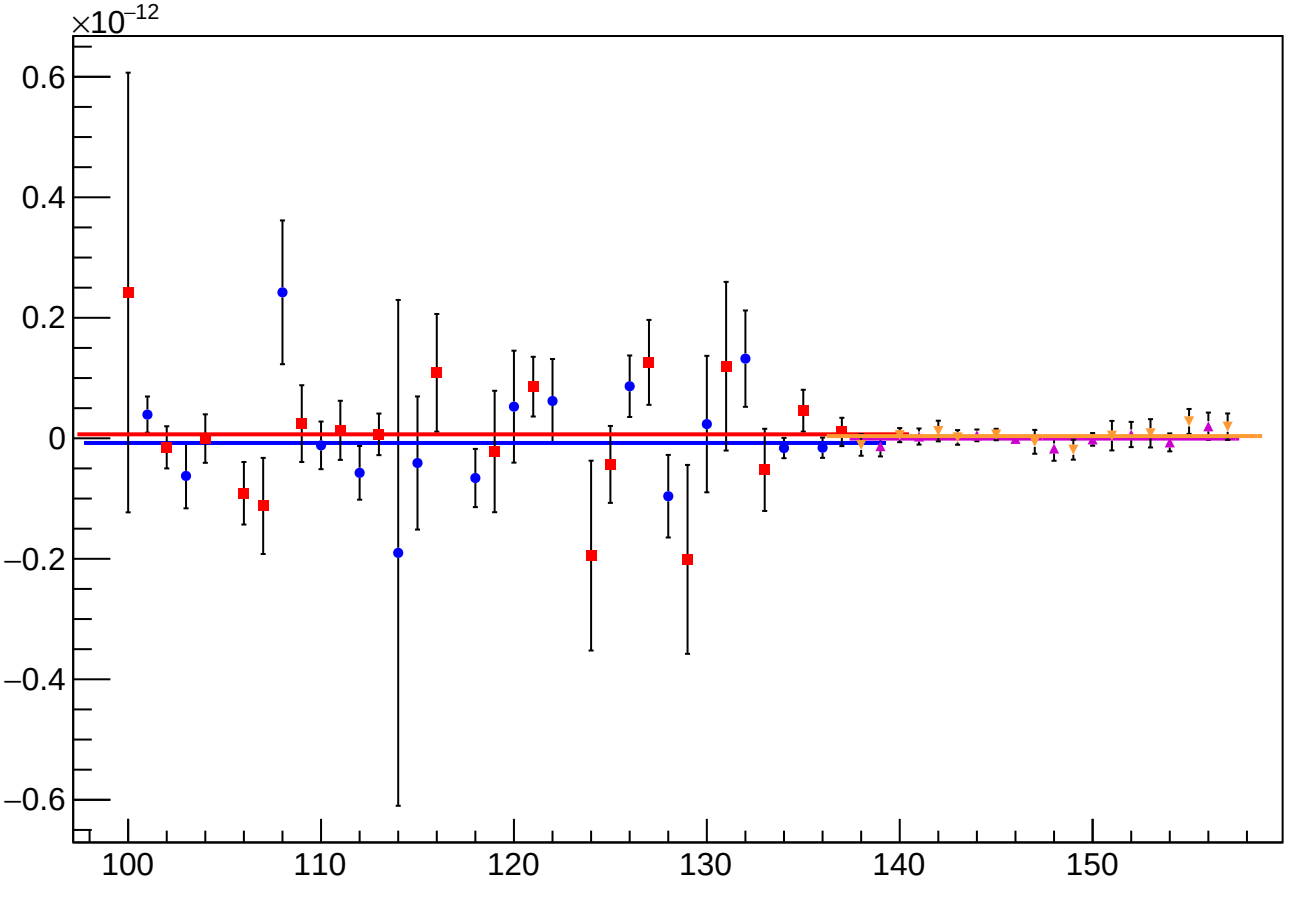
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 288.382+/-0.077 χ^2/NDF:1512199.3/8

+ sign 375.981+/-0.073 χ^2/NDF: 4681287.7/26

All: 361.838+/-0.051 χ^2/NDF: 10249204.2/54

- sign 348.638+/-0.070 χ^2/NDF: 5494833.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/10

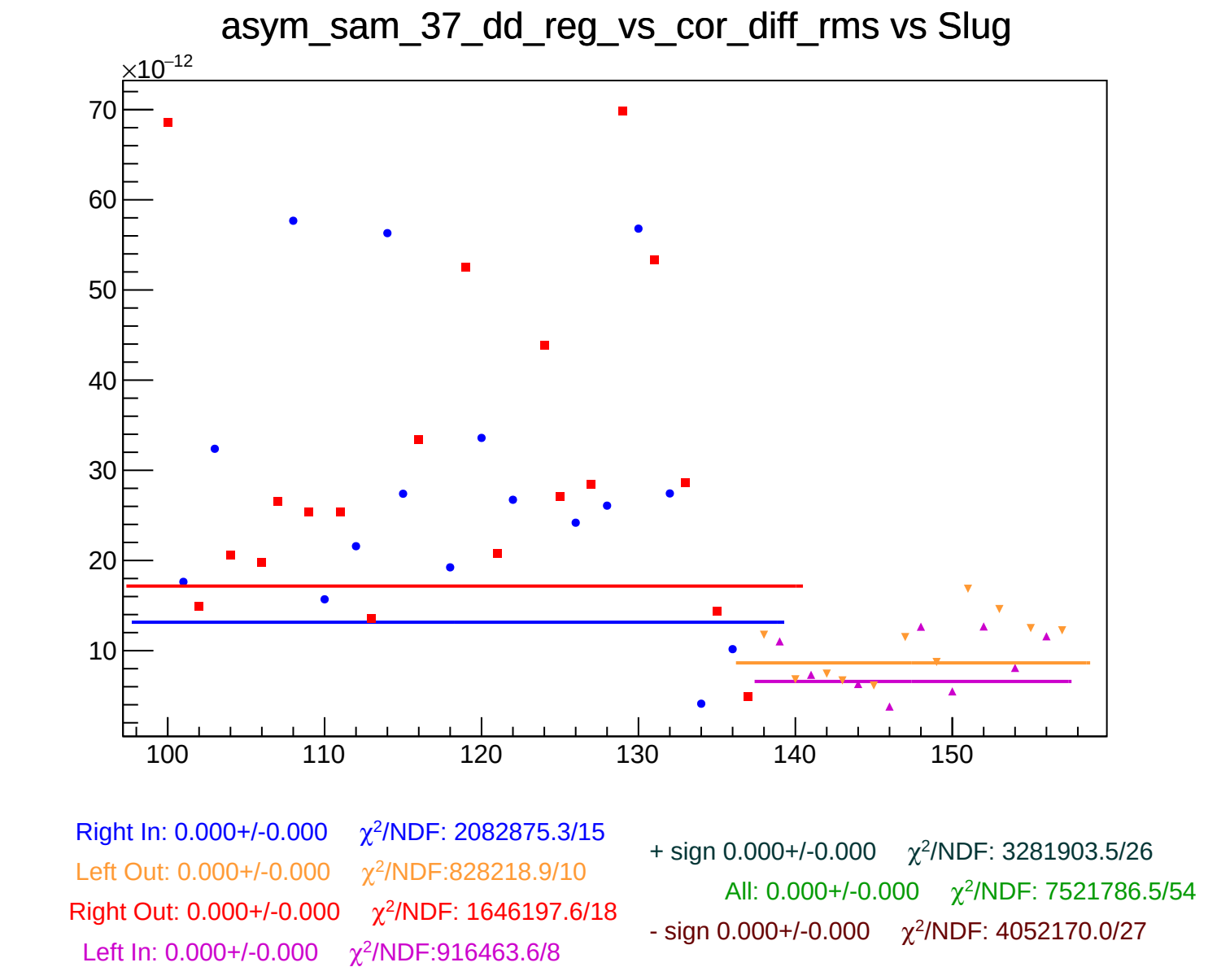
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/8

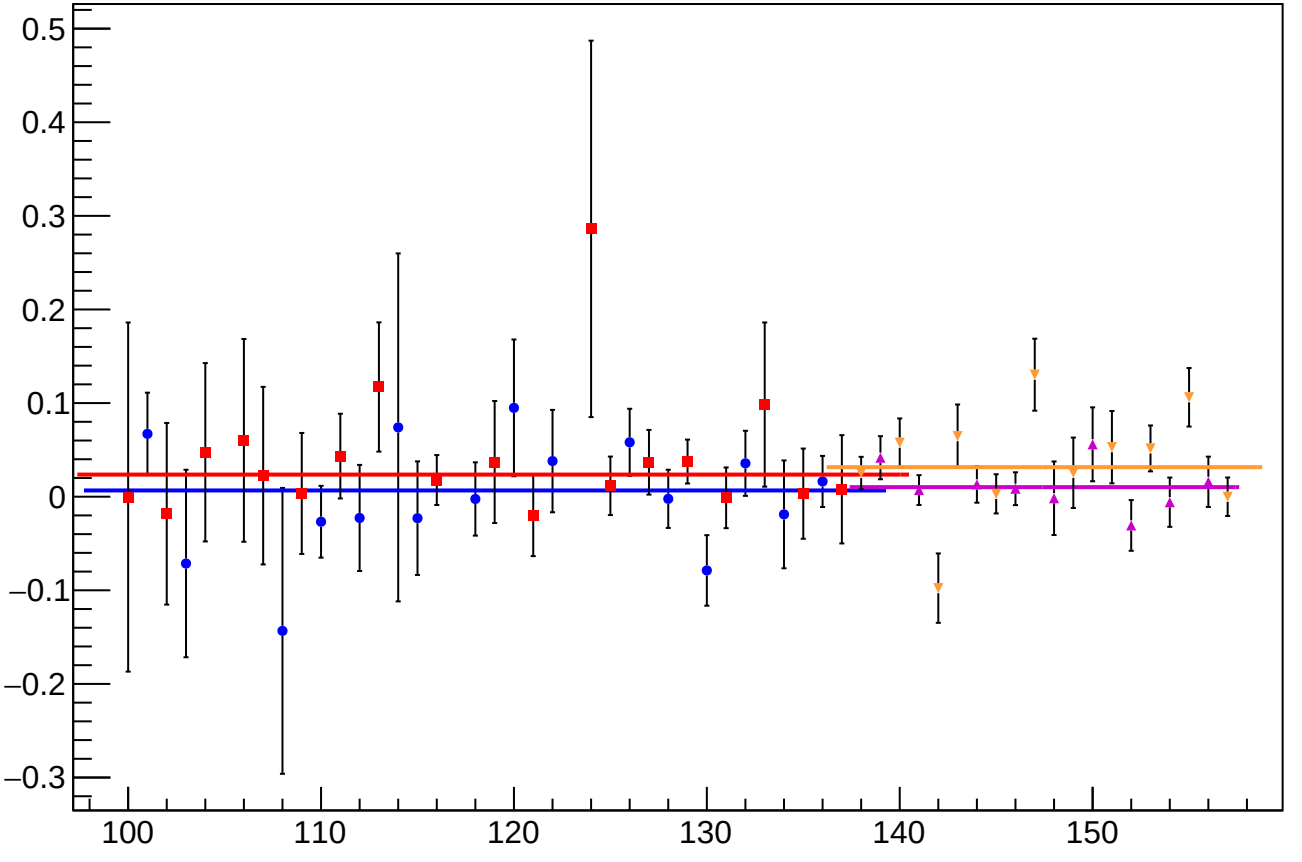
+ sign 0.000+/-0.000 χ^2/NDF: 27.2/26

All: 0.000+/-0.000 χ^2/NDF: 50.2/54

- sign 0.000+/-0.000 χ^2/NDF: 23.0/27


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:828218.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:916463.6/8
+ sign 0.000+/-0.000 χ²/NDF: 3281903.5/26
All: 0.000+/-0.000 χ²/NDF: 7521786.5/54
- sign 0.000+/-0.000 χ²/NDF: 4052170.0/27

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

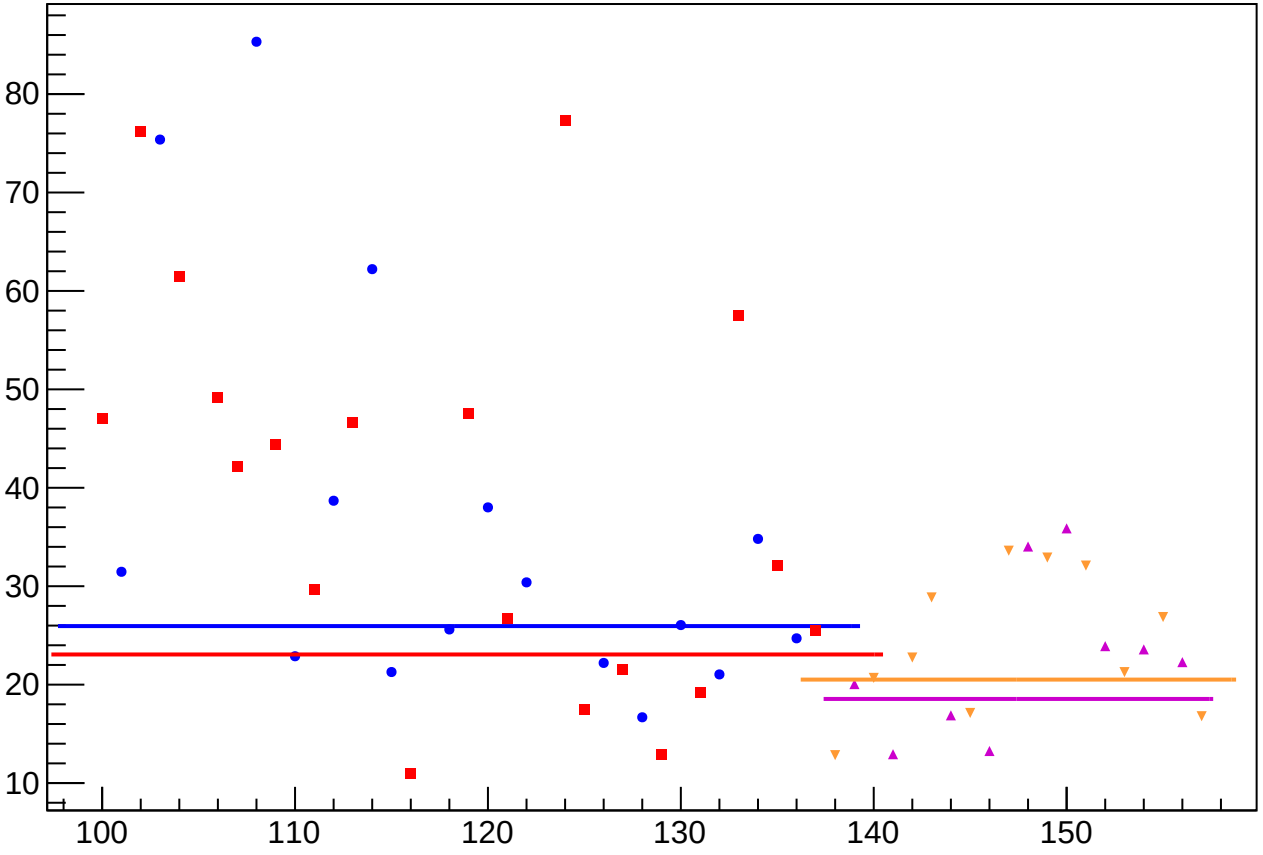
Left In: 0.010+/-0.008 χ^2/NDF:6.1/8

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.019+/-0.004 χ^2/NDF: 65.6/54

- sign 0.015+/-0.006 χ^2/NDF: 14.7/27

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.512+/-0.006 χ^2/NDF:1357613.4/10

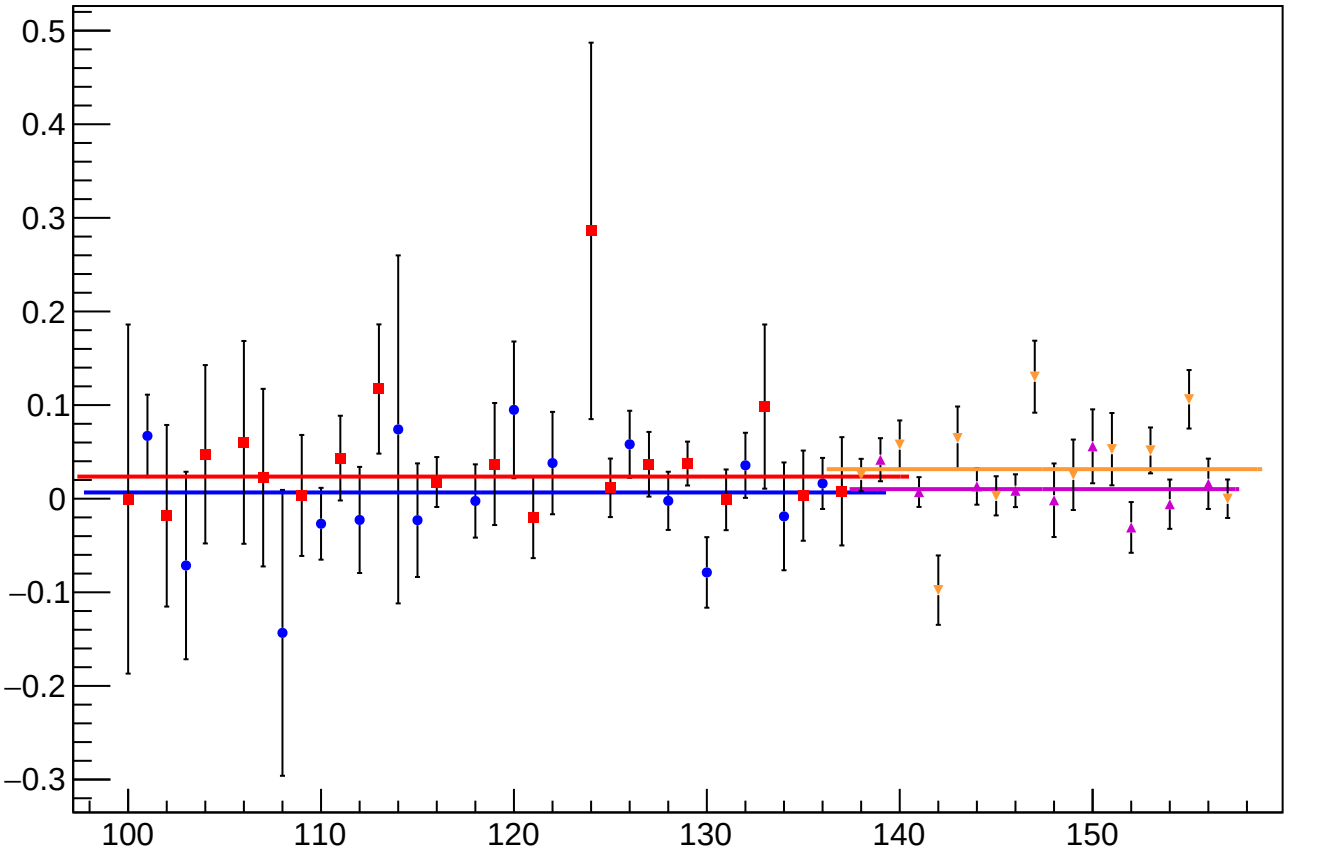
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.546+/-0.005 χ^2/NDF:1340775.7/8

+ sign 22.353+/-0.005 χ^2/NDF: 3056599.4/26

All: 21.179+/-0.003 χ^2/NDF: 8126996.9/54

- sign 20.107+/-0.004 χ^2/NDF: 4943993.3/27



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

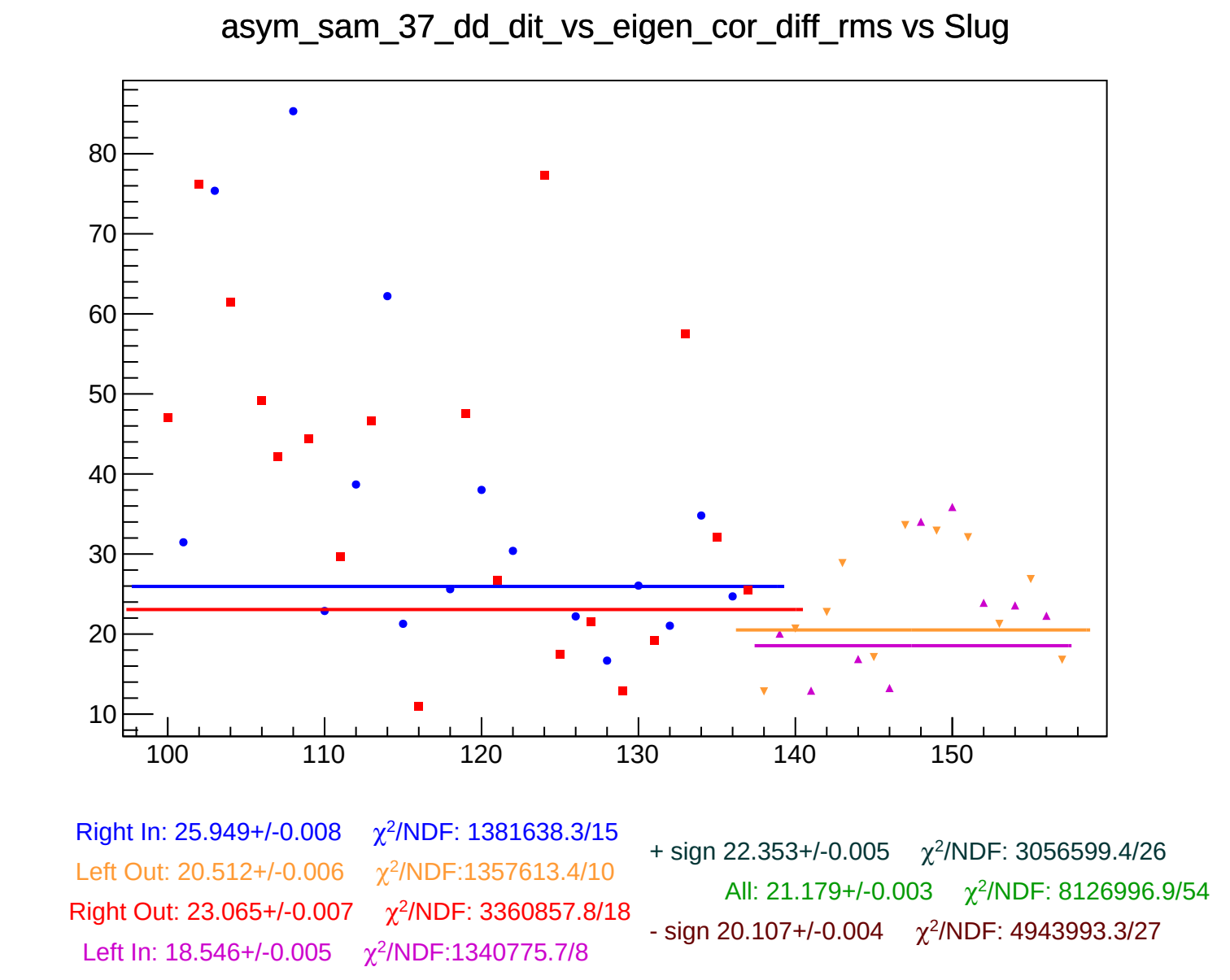
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

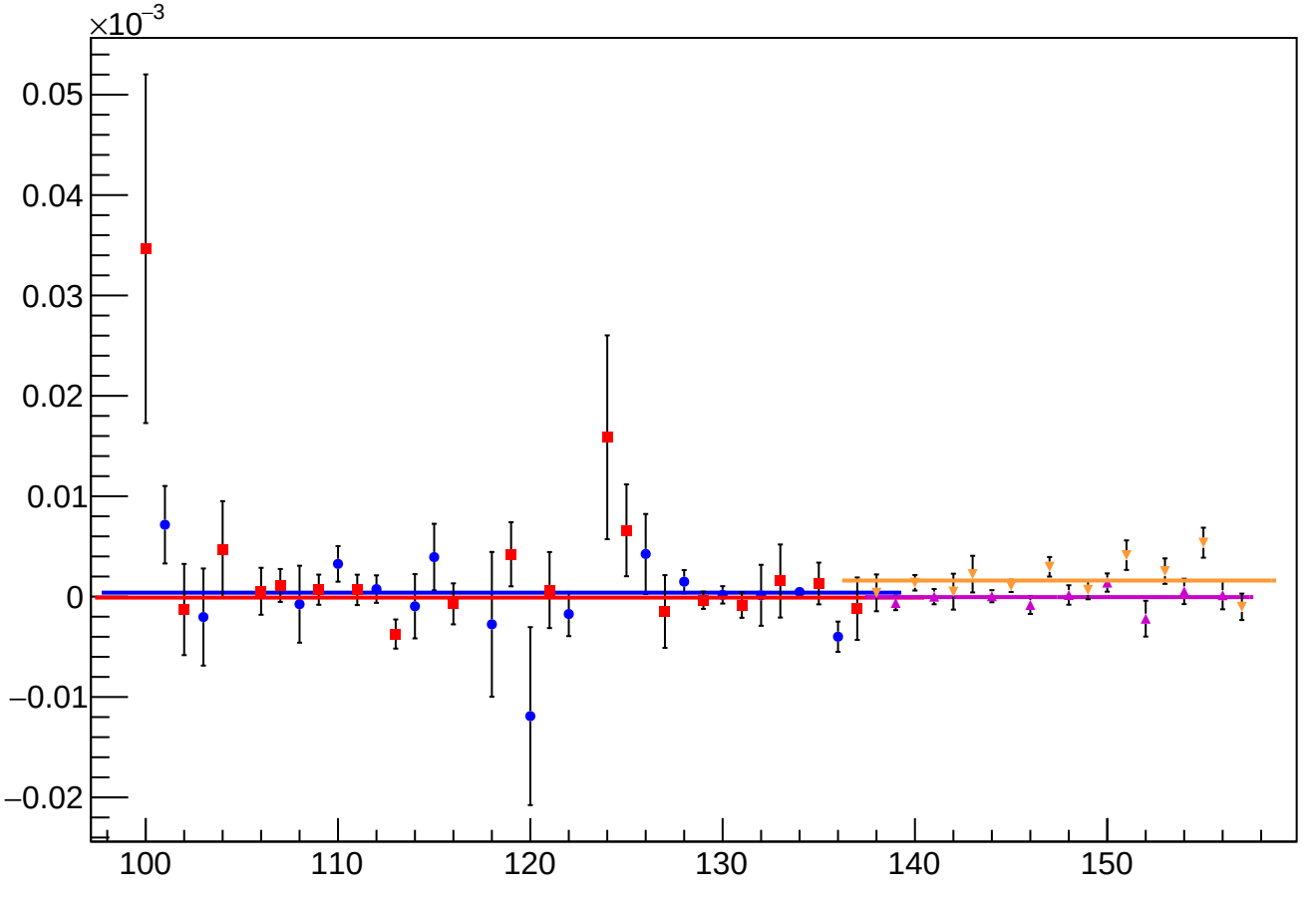
Left In: 0.010+/-0.008 χ^2/NDF:6.1/8

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.019+/-0.004 χ^2/NDF: 65.6/54

- sign 0.015+/-0.006 χ^2/NDF: 14.7/27


asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 20.512+/-0.006 χ²/NDF:1357613.4/10
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 18.546+/-0.005 χ²/NDF:1340775.7/8
+ sign 22.353+/-0.005 χ²/NDF: 3056599.4/26
All: 21.179+/-0.003 χ²/NDF: 8126996.9/54
- sign 20.107+/-0.004 χ²/NDF: 4943993.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/10

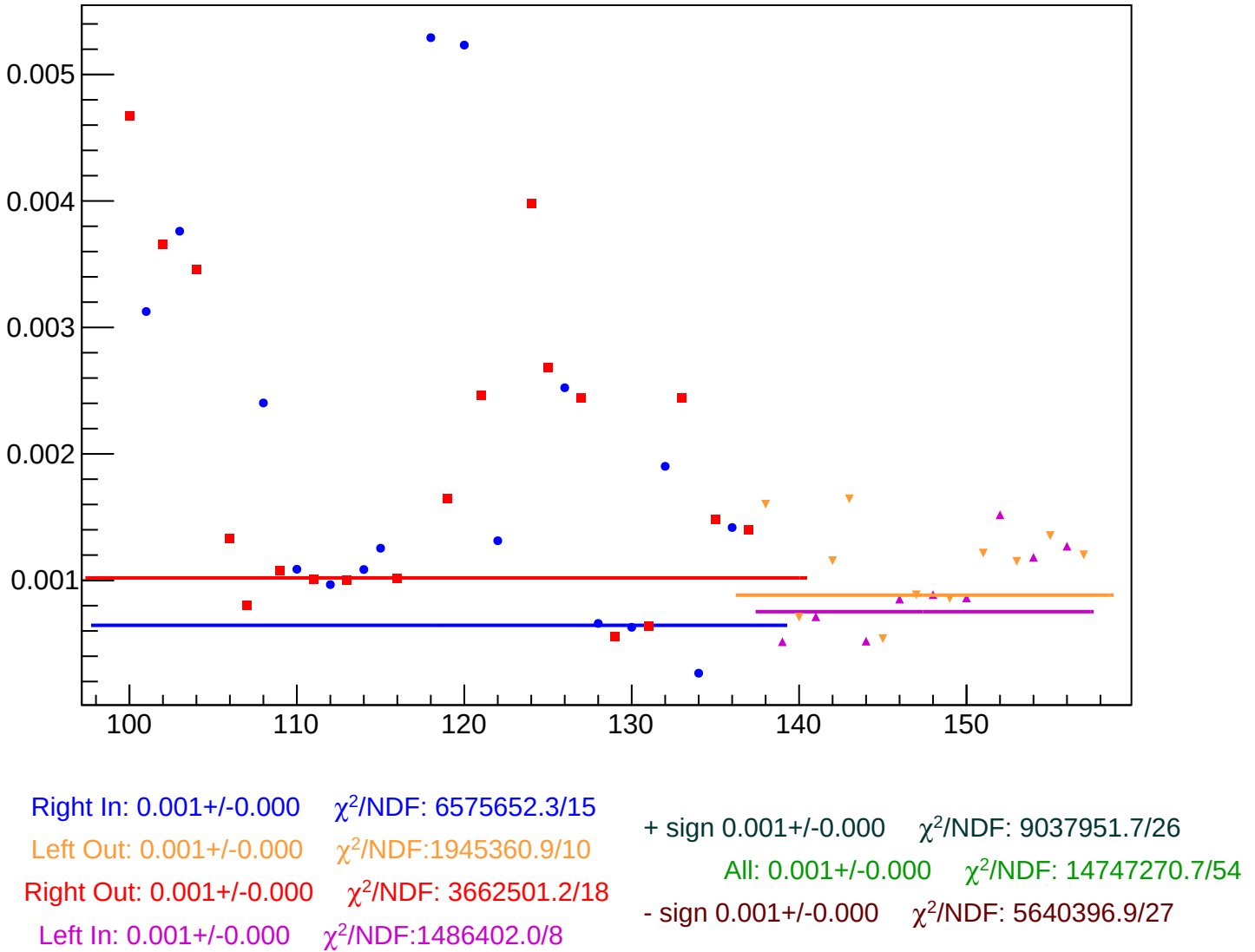
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

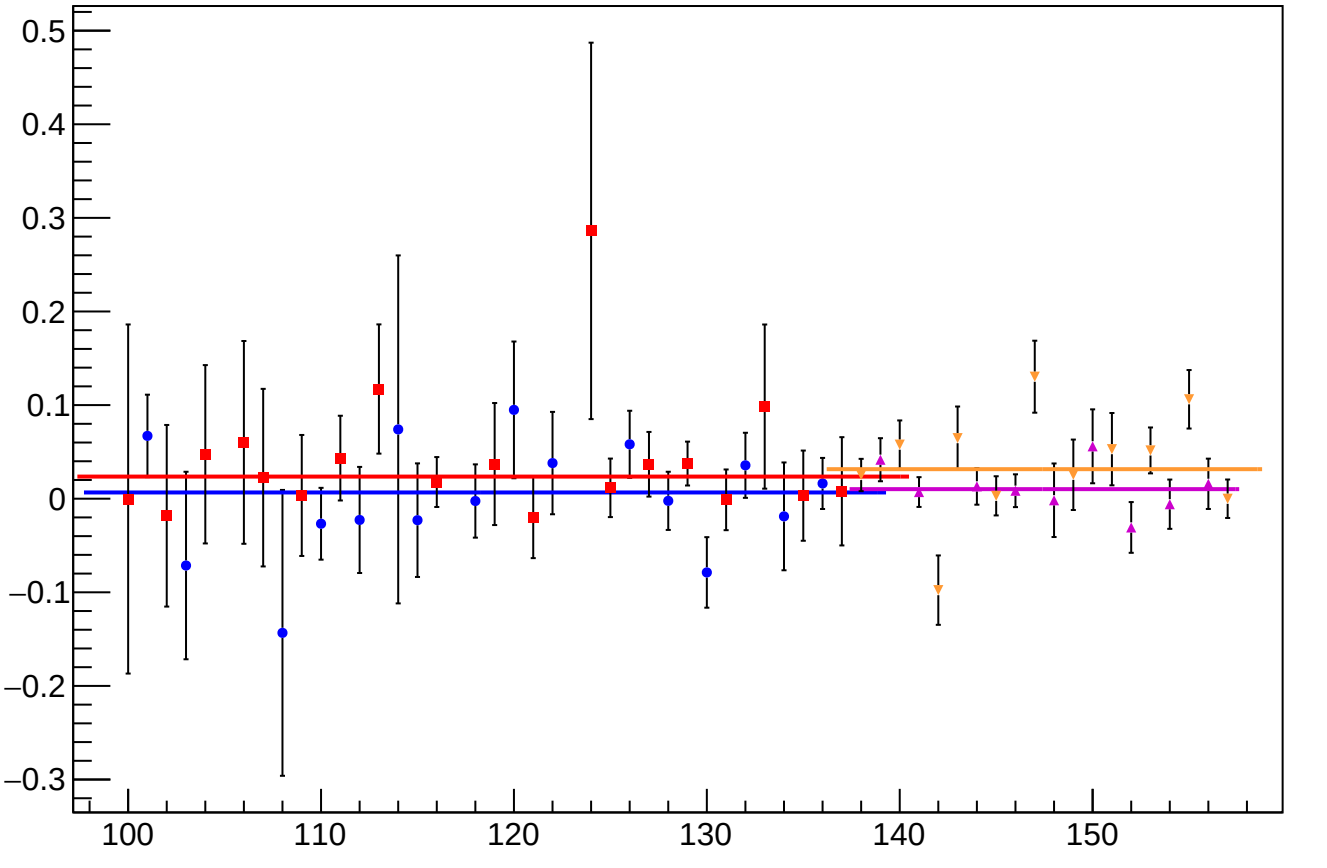
Left In: -0.000+/-0.000 χ^2/NDF:5.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/26

All: 0.000+/-0.000 χ^2/NDF: 82.4/54

- sign -0.000+/-0.000 χ^2/NDF: 26.1/27


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.001+/-0.000 χ²/NDF:1945360.9/10
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.001+/-0.000 χ²/NDF:1486402.0/8
+ sign 0.001+/-0.000 χ²/NDF: 9037951.7/26
All: 0.001+/-0.000 χ²/NDF: 14747270.7/54
- sign 0.001+/-0.000 χ²/NDF: 5640396.9/27



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

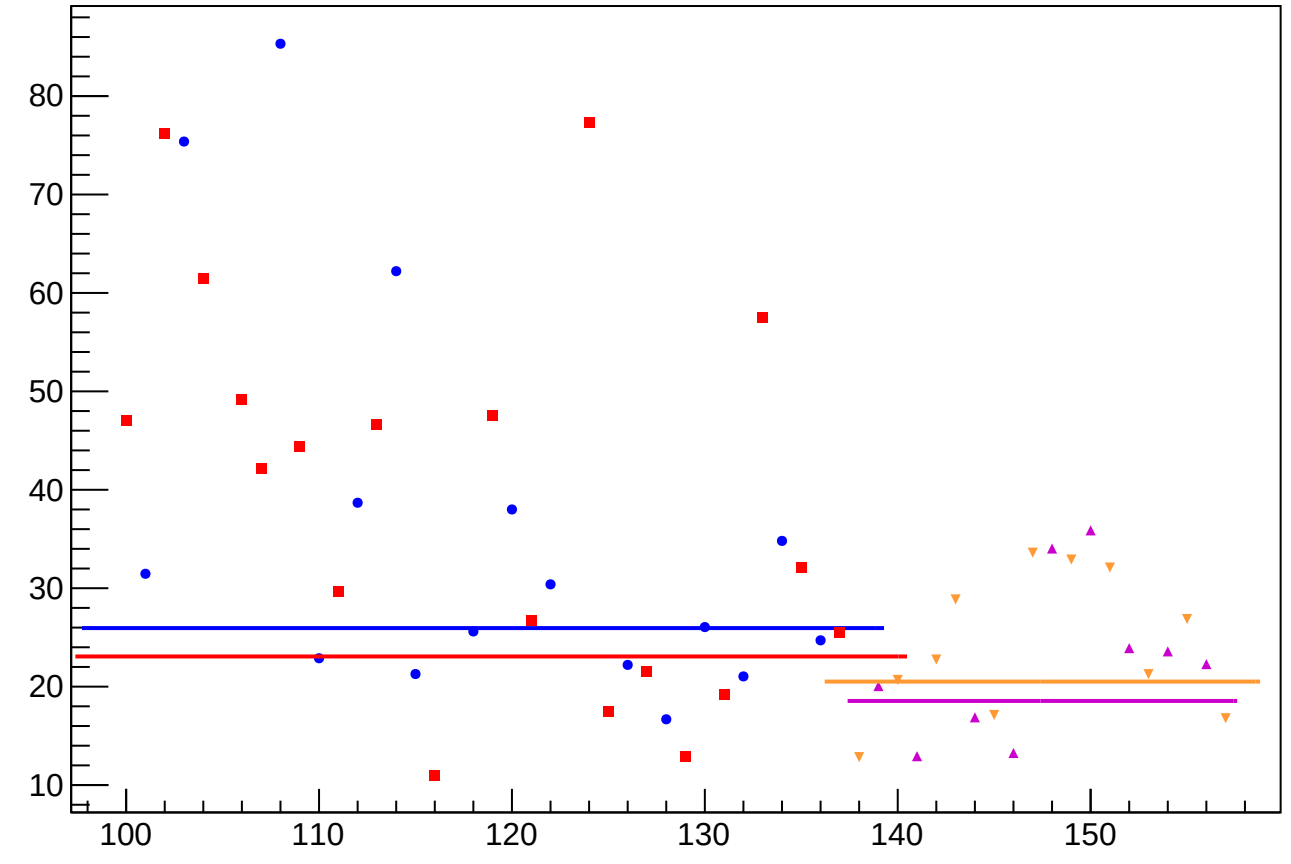
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.010+/-0.008 χ^2/NDF:6.1/8

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.019+/-0.004 χ^2/NDF: 65.6/54

- sign 0.015+/-0.006 χ^2/NDF: 14.7/27



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.513+/-0.006 χ^2/NDF:1357633.3/10

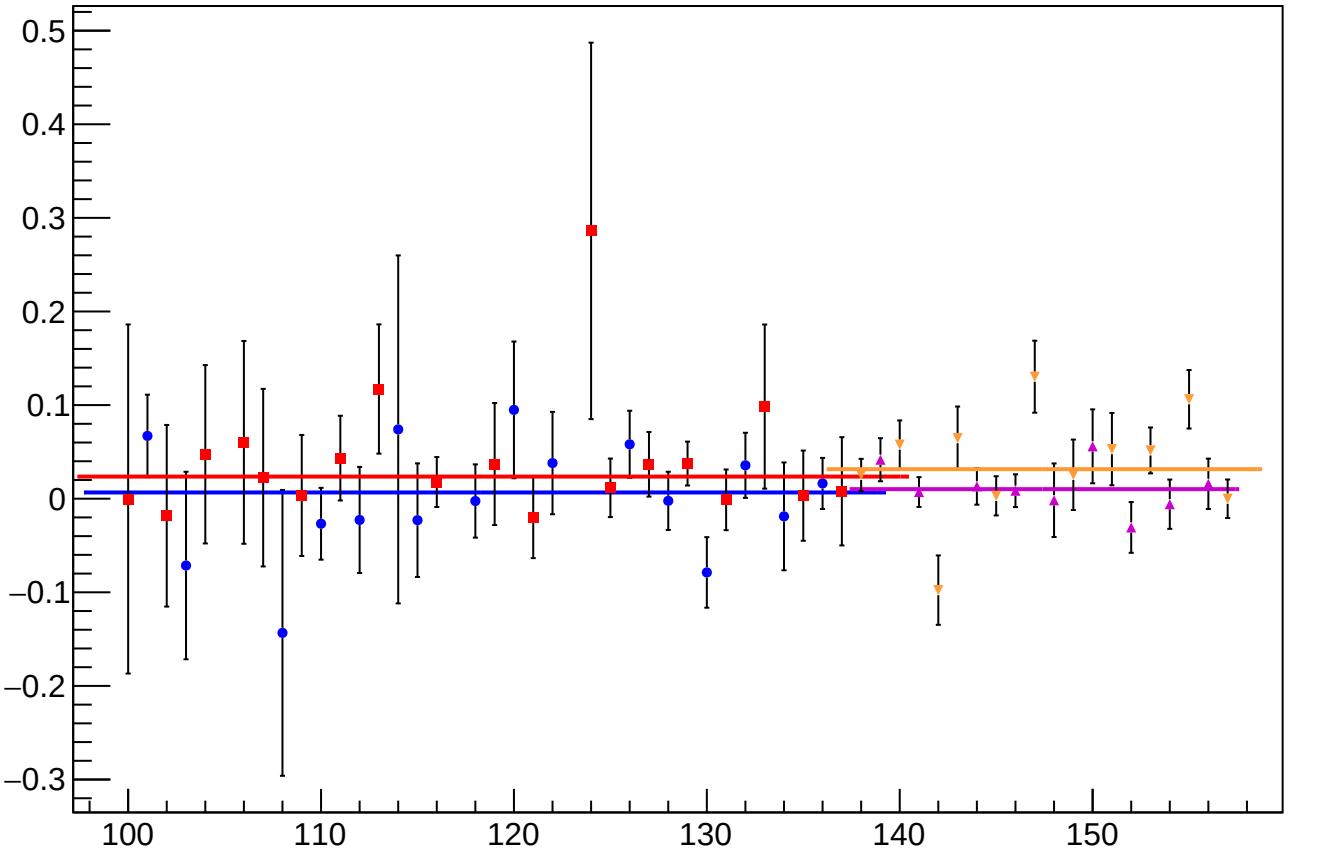
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 18.547+/-0.005 χ^2/NDF:1340865.3/8

+ sign 22.354+/-0.005 χ^2/NDF: 3056522.1/26

All: 21.180+/-0.003 χ^2/NDF: 8126887.2/54

- sign 20.108+/-0.004 χ^2/NDF: 4943933.5/27



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.032+/-0.008 χ^2/NDF:31.8/10

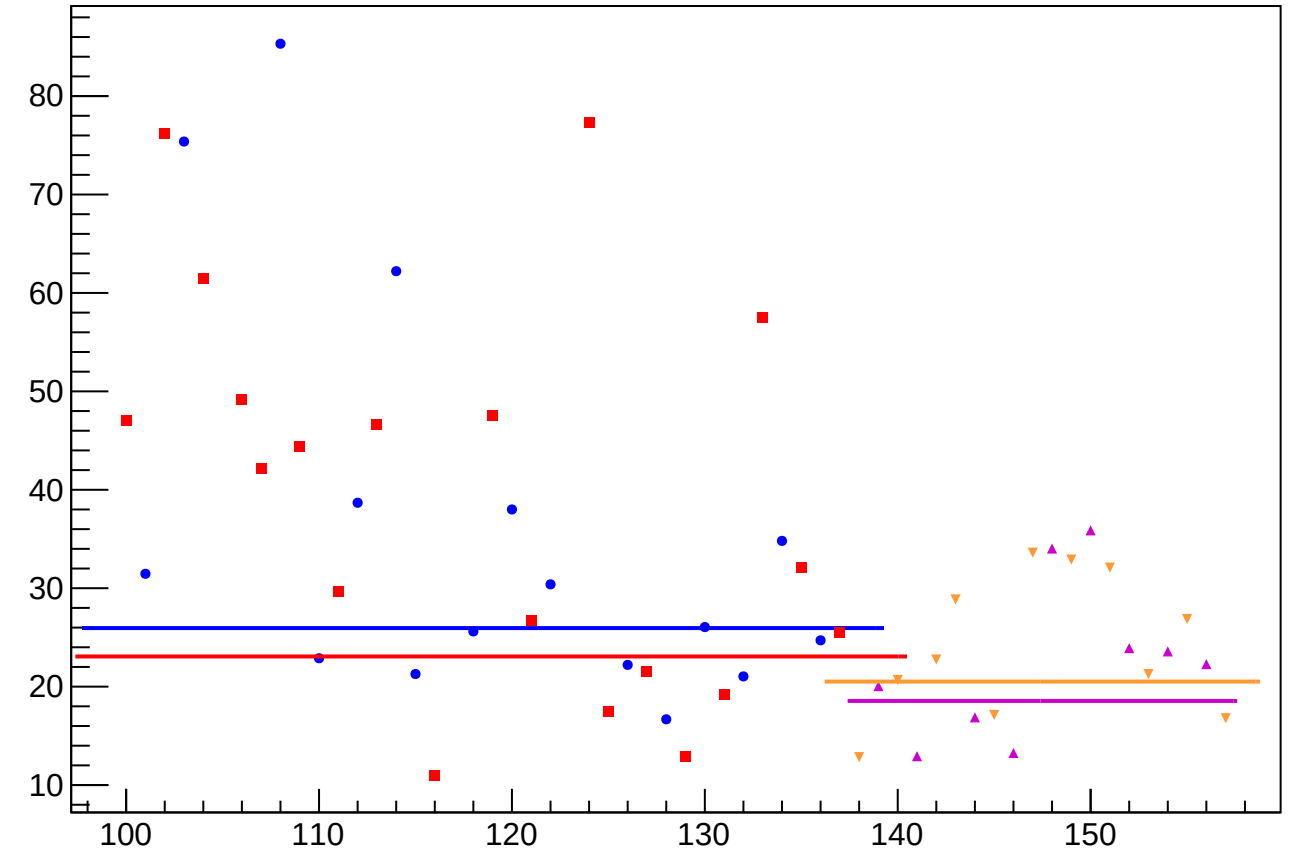
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.010+/-0.008 χ^2/NDF:6.1/8

+ sign 0.023+/-0.006 χ^2/NDF: 50.1/26

All: 0.019+/-0.004 χ^2/NDF: 65.6/54

- sign 0.015+/-0.006 χ^2/NDF: 14.7/27



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.513+/-0.006 χ^2/NDF:1357633.3/10

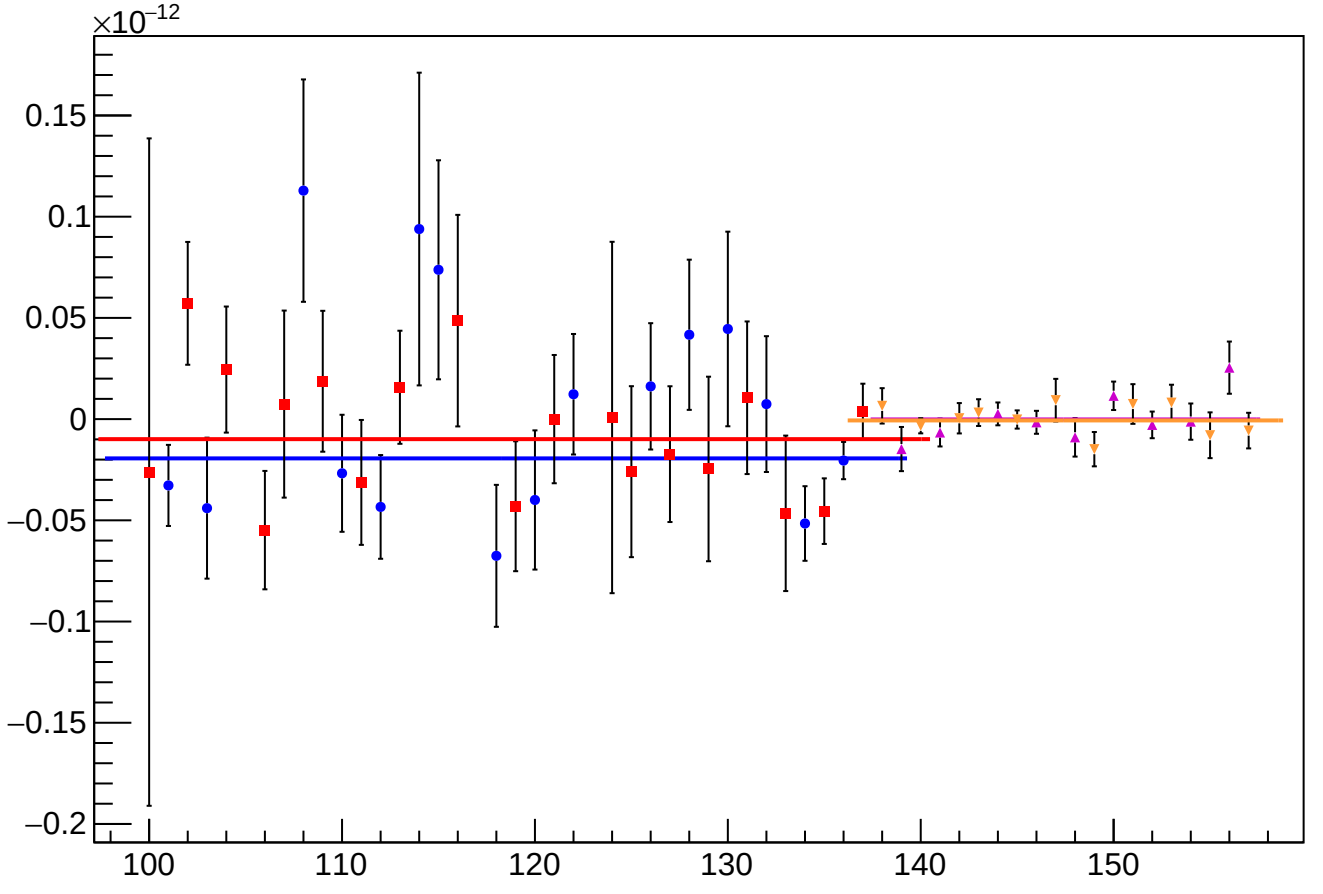
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 18.547+/-0.005 χ^2/NDF:1340865.3/8

+ sign 22.354+/-0.005 χ^2/NDF: 3056522.1/26

All: 21.180+/-0.003 χ^2/NDF: 8126887.2/54

- sign 20.108+/-0.004 χ^2/NDF: 4943933.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/10

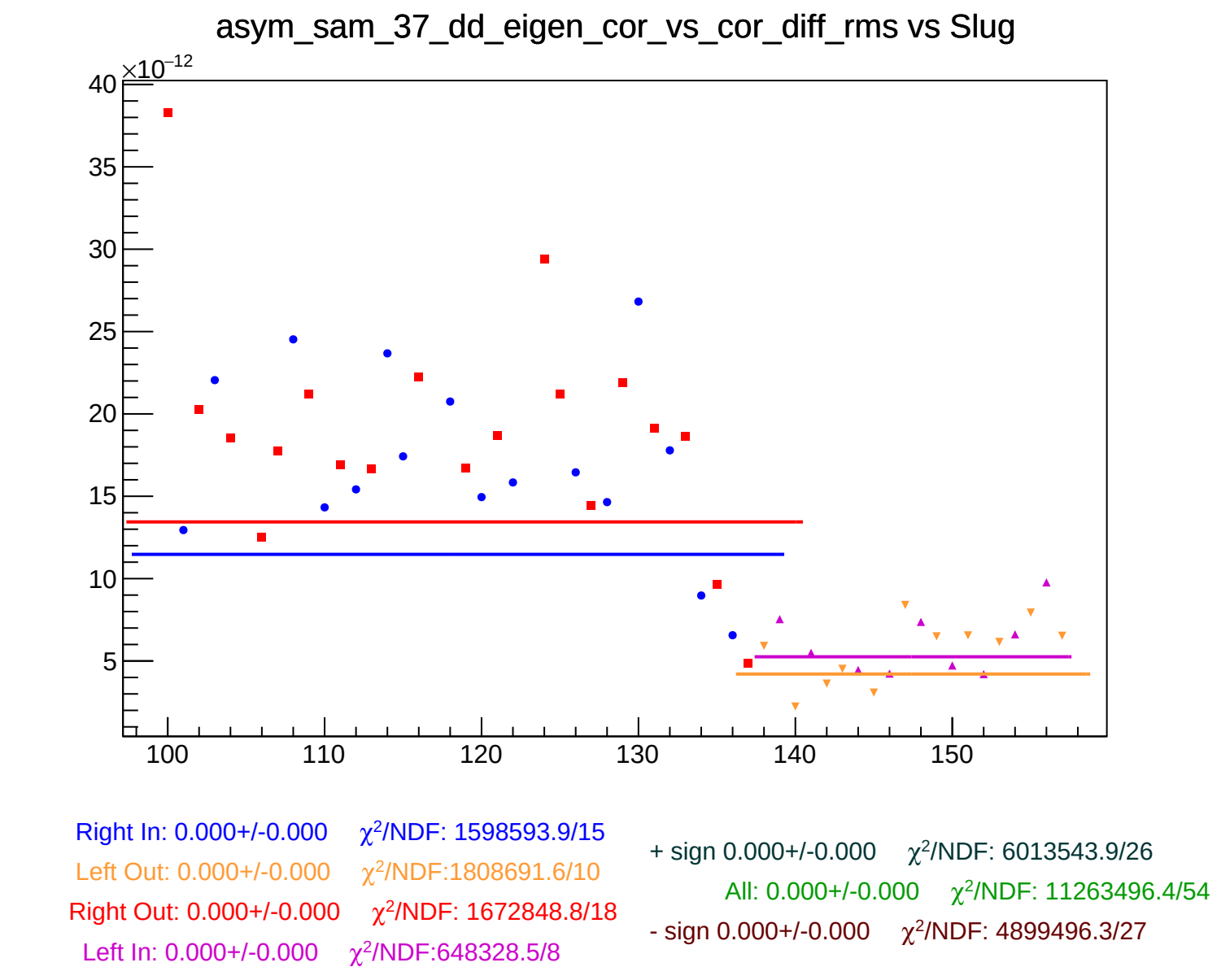
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/8

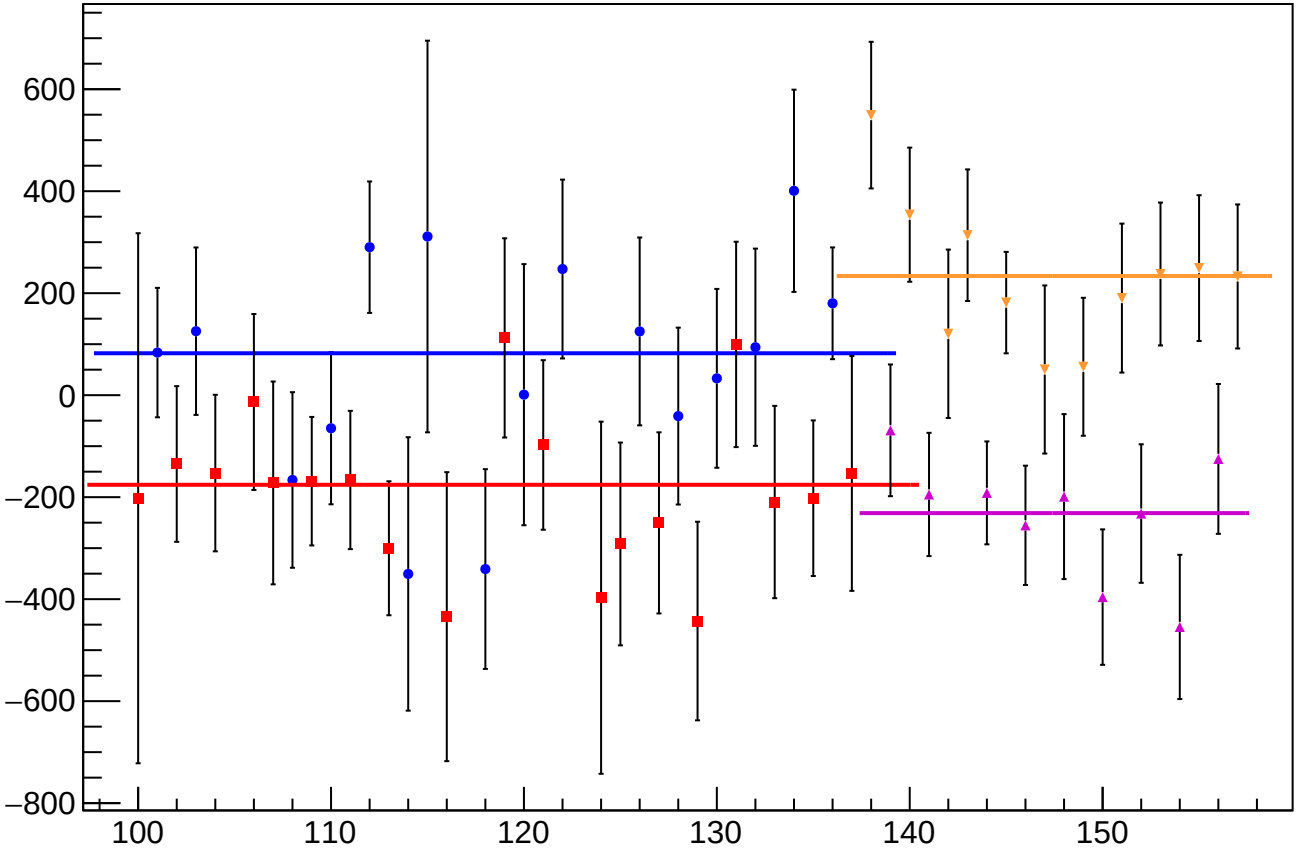
+ sign -0.000+/-0.000 χ^2/NDF: 42.0/26

All: -0.000+/-0.000 χ^2/NDF: 75.1/54

- sign -0.000+/-0.000 χ^2/NDF: 32.9/27


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1808691.6/10
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:648328.5/8
+ sign 0.000+/-0.000 χ²/NDF: 6013543.9/26
All: 0.000+/-0.000 χ²/NDF: 11263496.4/54
- sign 0.000+/-0.000 χ²/NDF: 4899496.3/27

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.701+/-41.086 χ^2/NDF:9.8/10

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

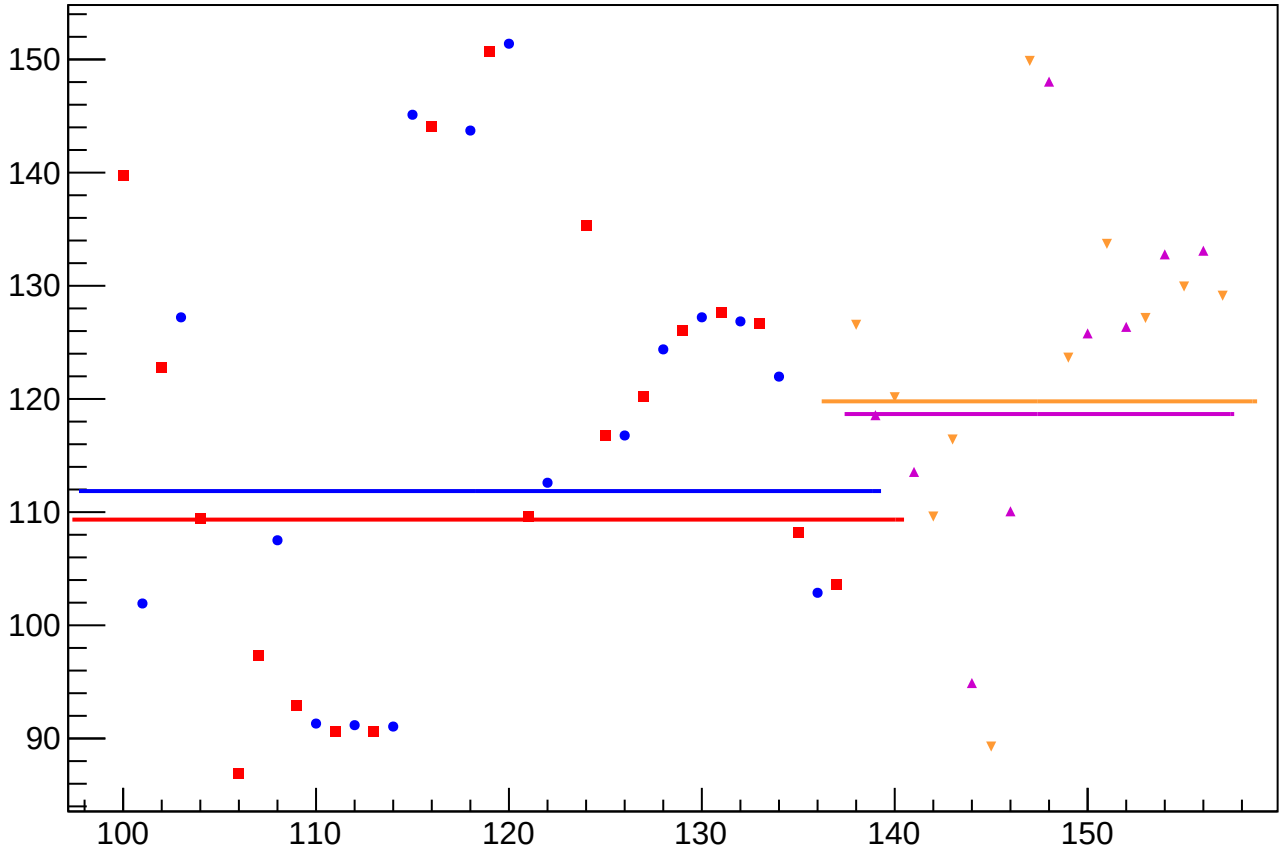
Left In: -231.269+/-42.831 χ^2/NDF:6.5/8

+ sign 159.855+/-29.415 χ^2/NDF: 34.8/26

All: -20.625+/-20.827 χ^2/NDF: 127.5/54

- sign -202.066+/-29.493 χ^2/NDF: 17.2/27

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

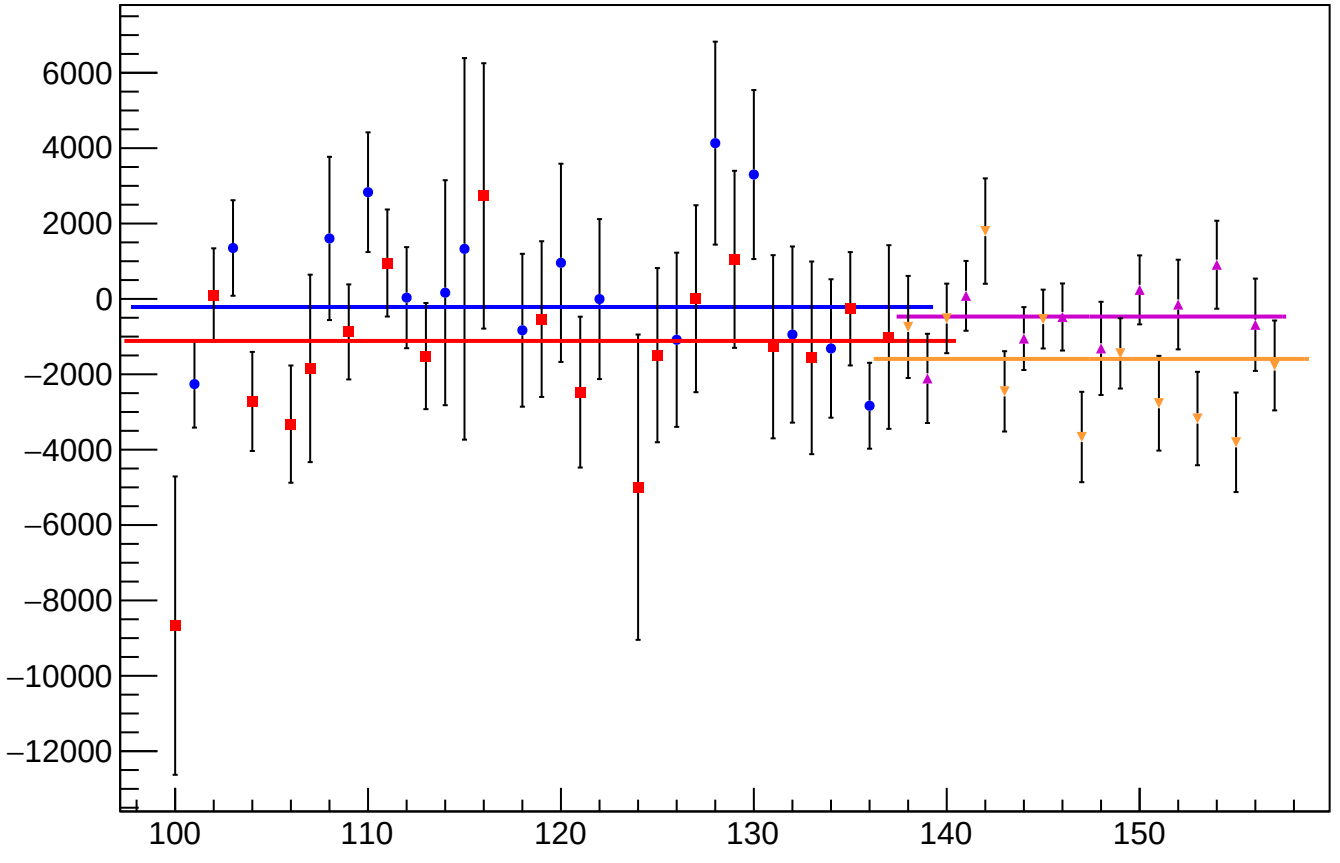
Left In: 118.668+/-0.030 χ^2/NDF:242650.6/8

\+ sign 115.925+/-0.021 χ^2/NDF: 654562.3/26

All: 114.847+/-0.015 χ^2/NDF: 1319699.5/54

\- sign 113.763+/-0.021 χ^2/NDF: 659748.8/27

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1591.962+/-330.437 χ^2/NDF:18.5/10

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

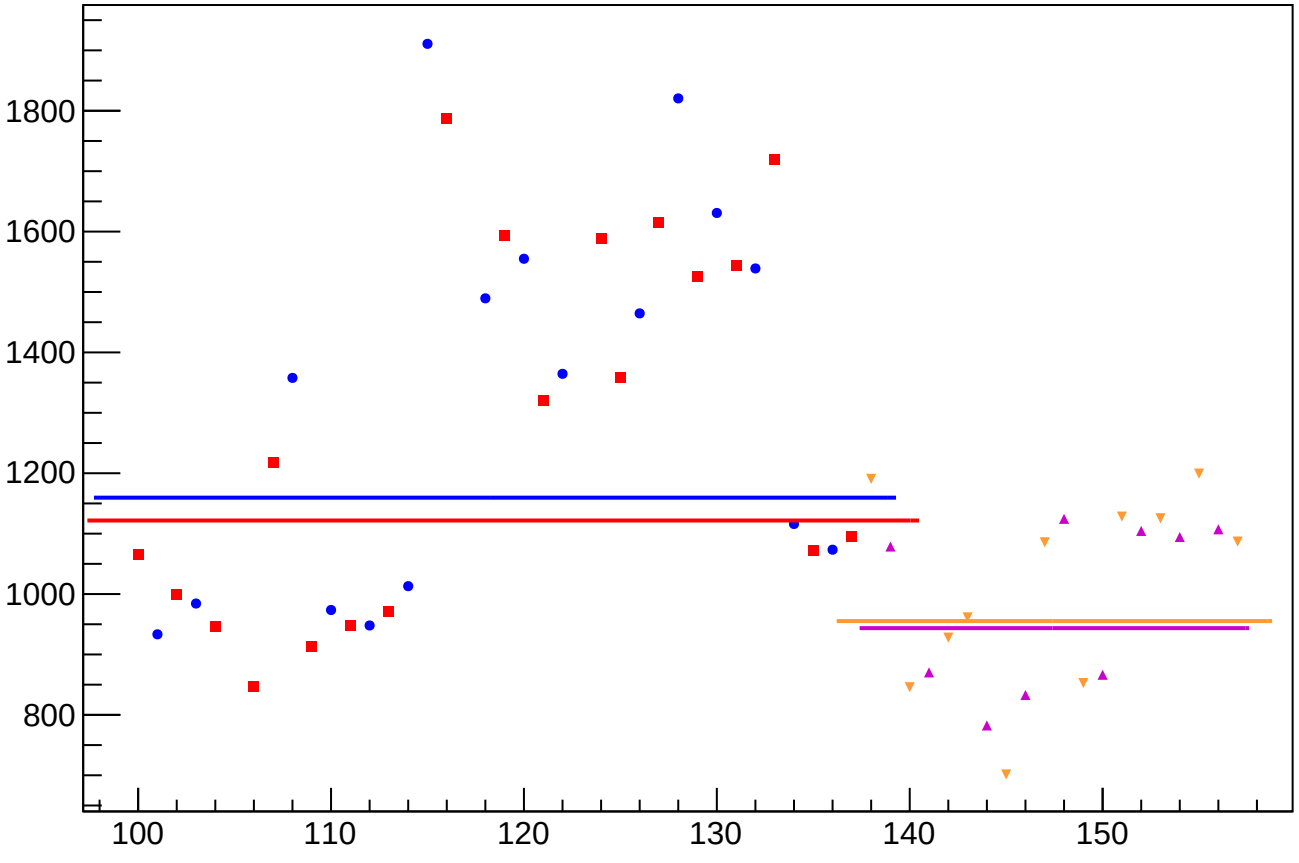
Left In: -468.221+/-342.351 χ^2/NDF:5.3/8

+ sign -1100.803+/-265.074 χ^2/NDF: 45.1/26

All: -913.175+/-187.806 χ^2/NDF: 67.4/54

- sign -724.057+/-266.124 χ^2/NDF: 21.3/27

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 955.261+/-0.234 χ^2/NDF:517127.9/10

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

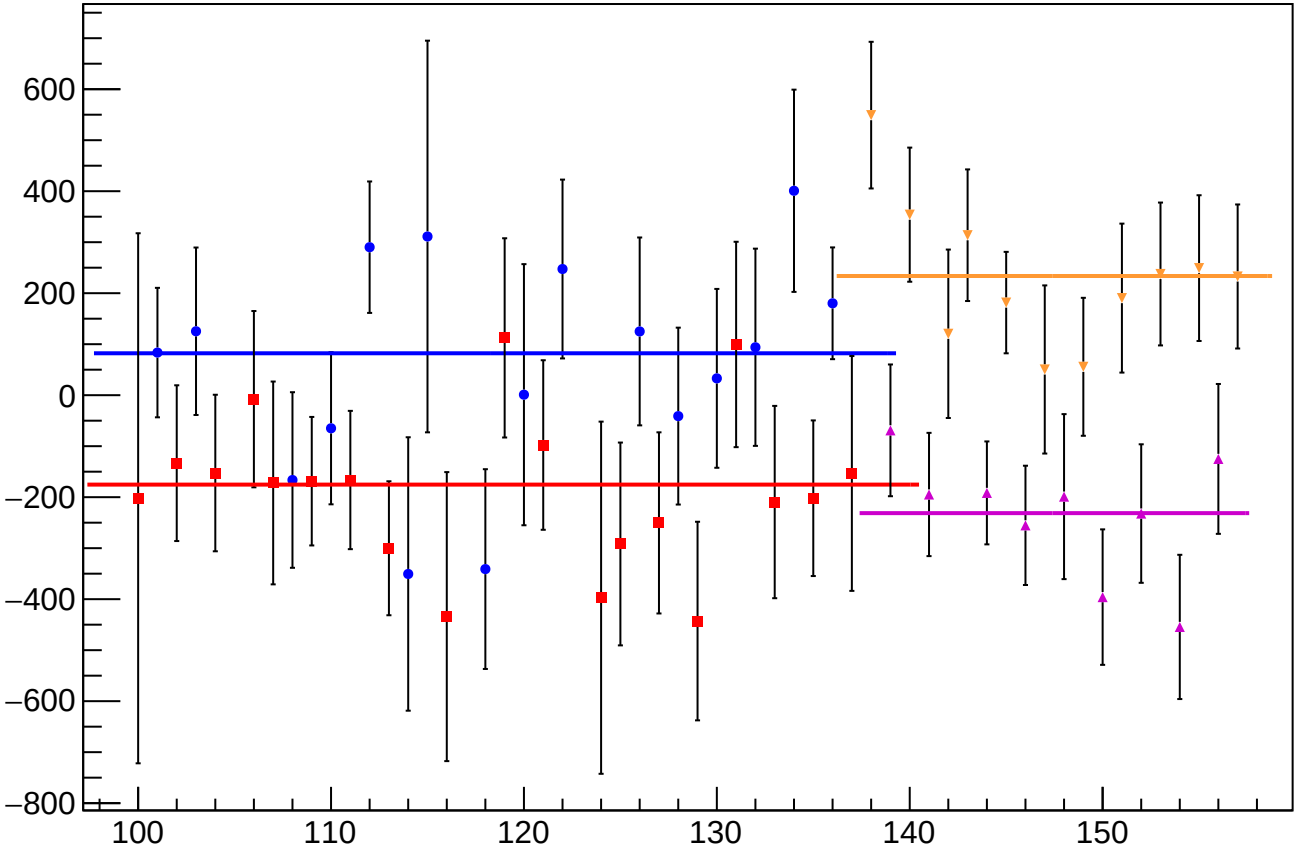
Left In: 943.567+/-0.242 χ^2/NDF:306748.3/8

+ sign 1028.093+/-0.187 χ^2/NDF: 1473378.6/26

All: 1021.115+/-0.133 χ^2/NDF: 2779587.3/54

- sign 1014.082+/-0.188 χ^2/NDF: 1303425.7/27

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

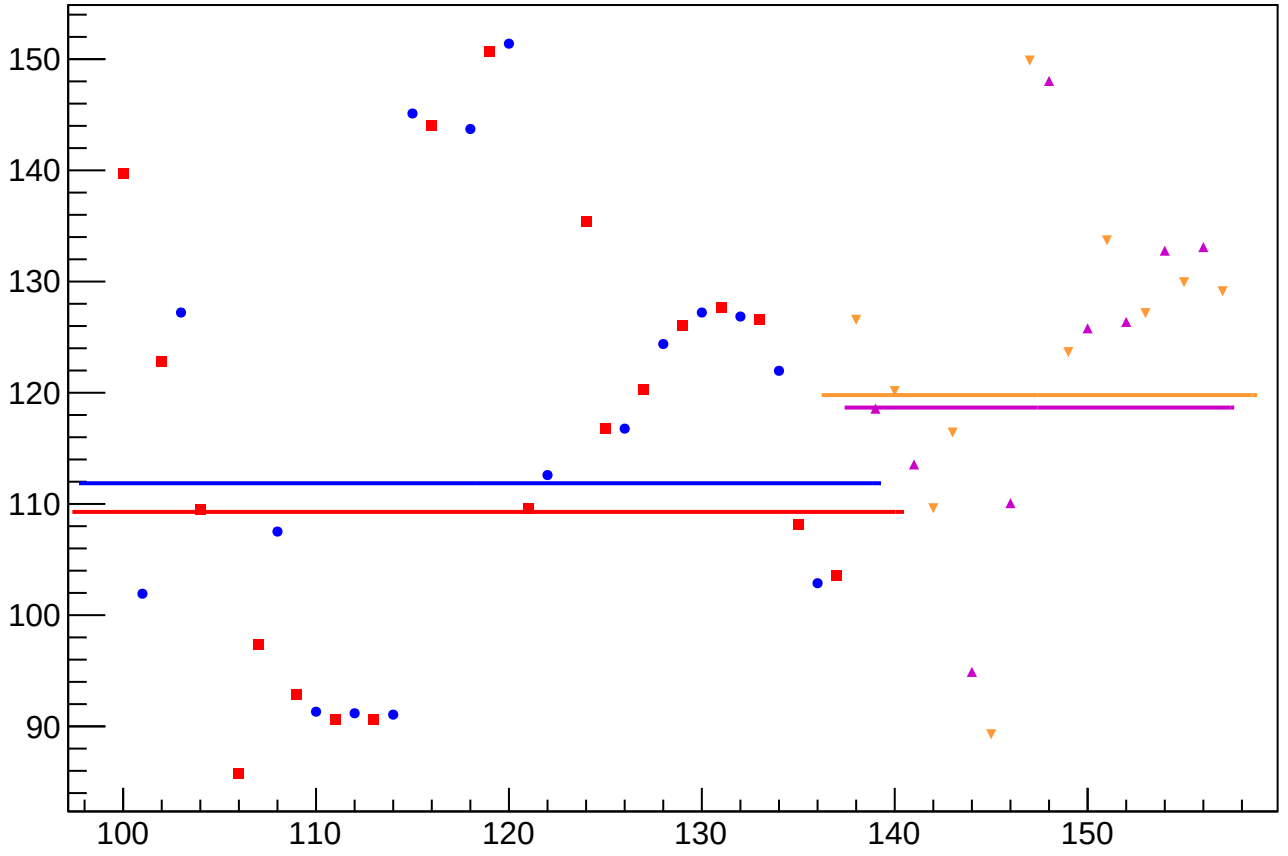
Left In: -231.270+/-42.831 χ^2/NDF:6.5/8

+ sign 159.852+/-29.415 χ^2/NDF: 34.9/26

All: -20.513+/-20.828 χ^2/NDF: 127.5/54

- sign -201.863+/-29.495 χ^2/NDF: 17.3/27

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

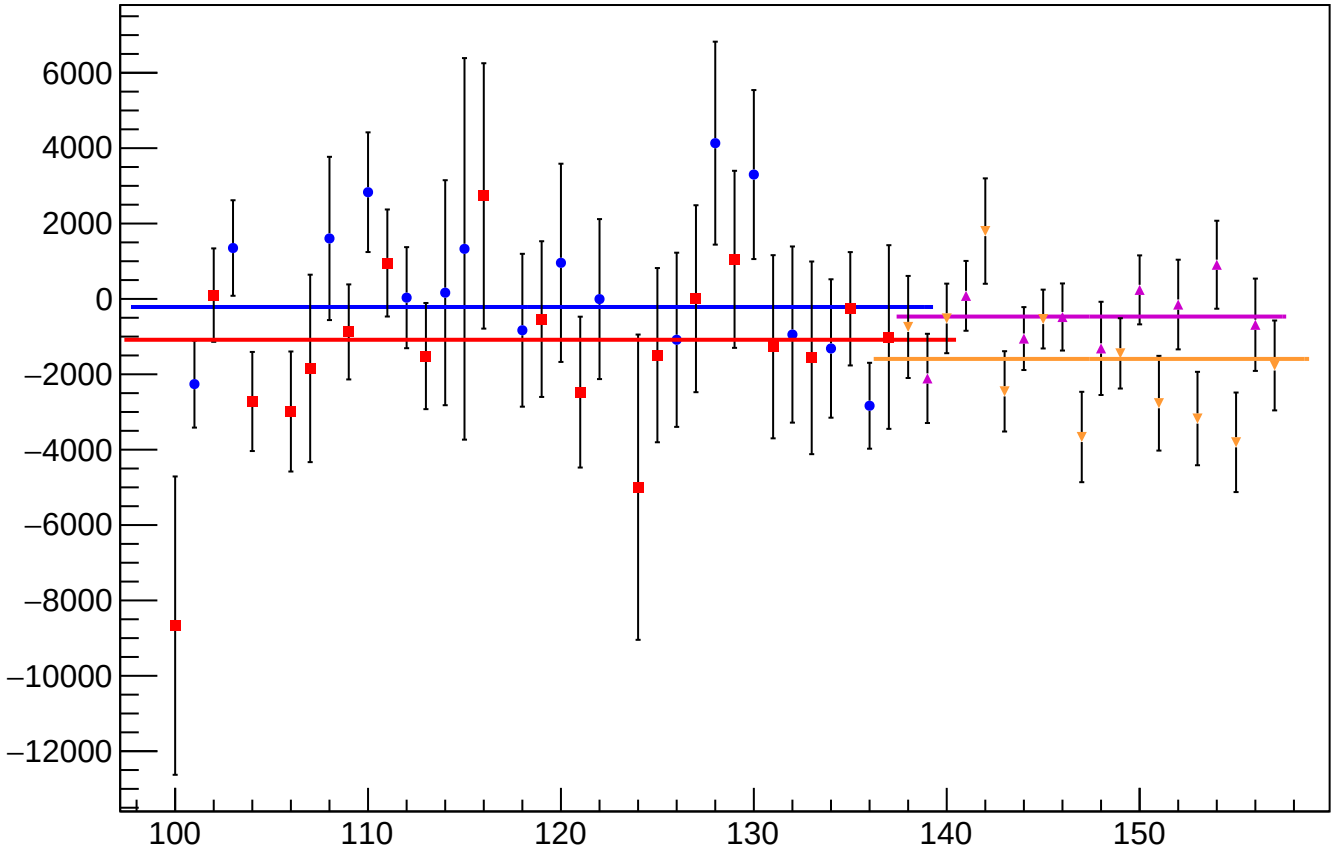
Left In: 118.668+/-0.030 χ^2/NDF:242650.6/8

+ sign 115.925+/-0.021 χ^2/NDF: 654563.2/26

All: 114.833+/-0.015 χ^2/NDF: 1323932.1/54

- sign 113.734+/-0.021 χ^2/NDF: 663836.1/27

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

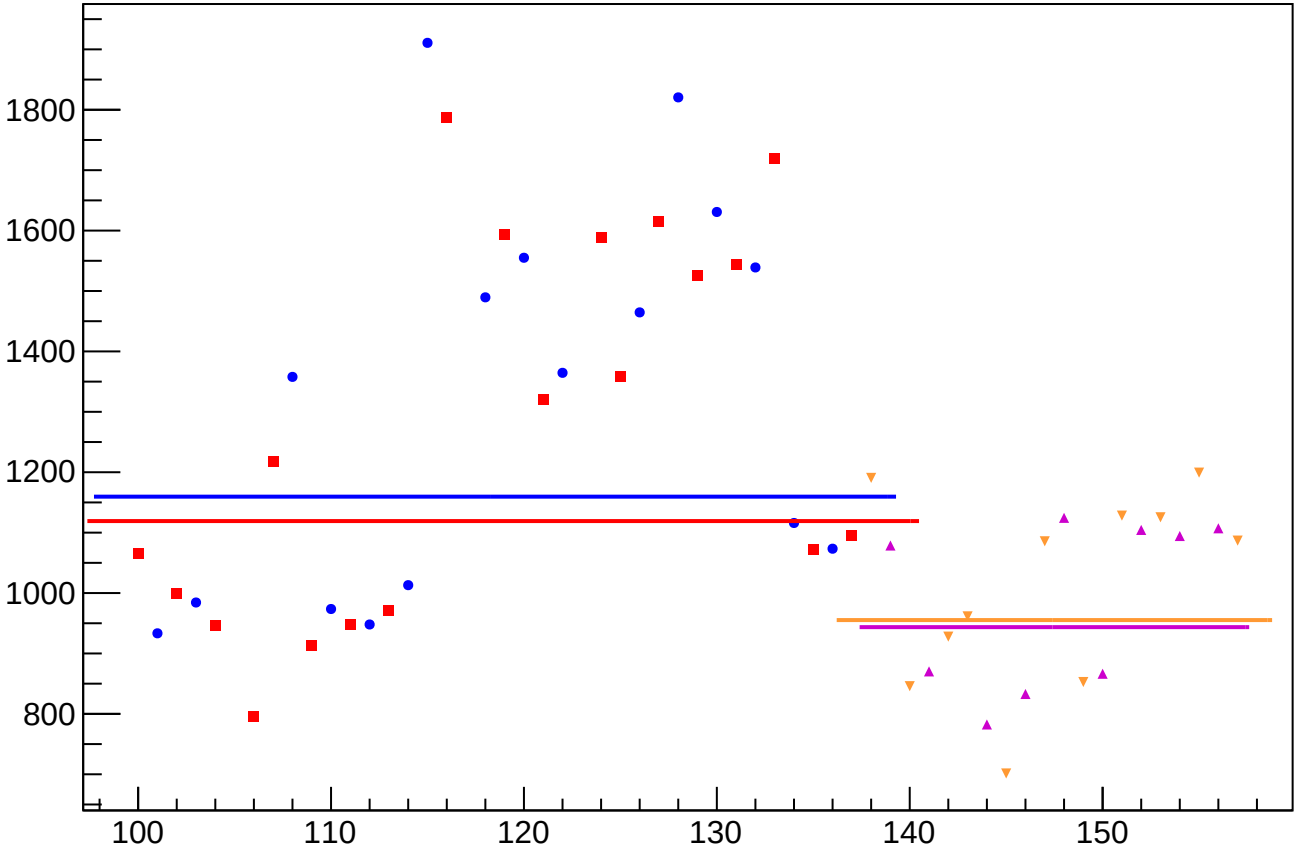
Left In: -468.227+/-342.351 χ^2/NDF:5.3/8

+ sign -1100.838+/-265.075 χ^2/NDF: 45.1/26

All: -907.011+/-187.870 χ^2/NDF: 66.7/54

- sign -711.378+/-266.307 χ^2/NDF: 20.5/27

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

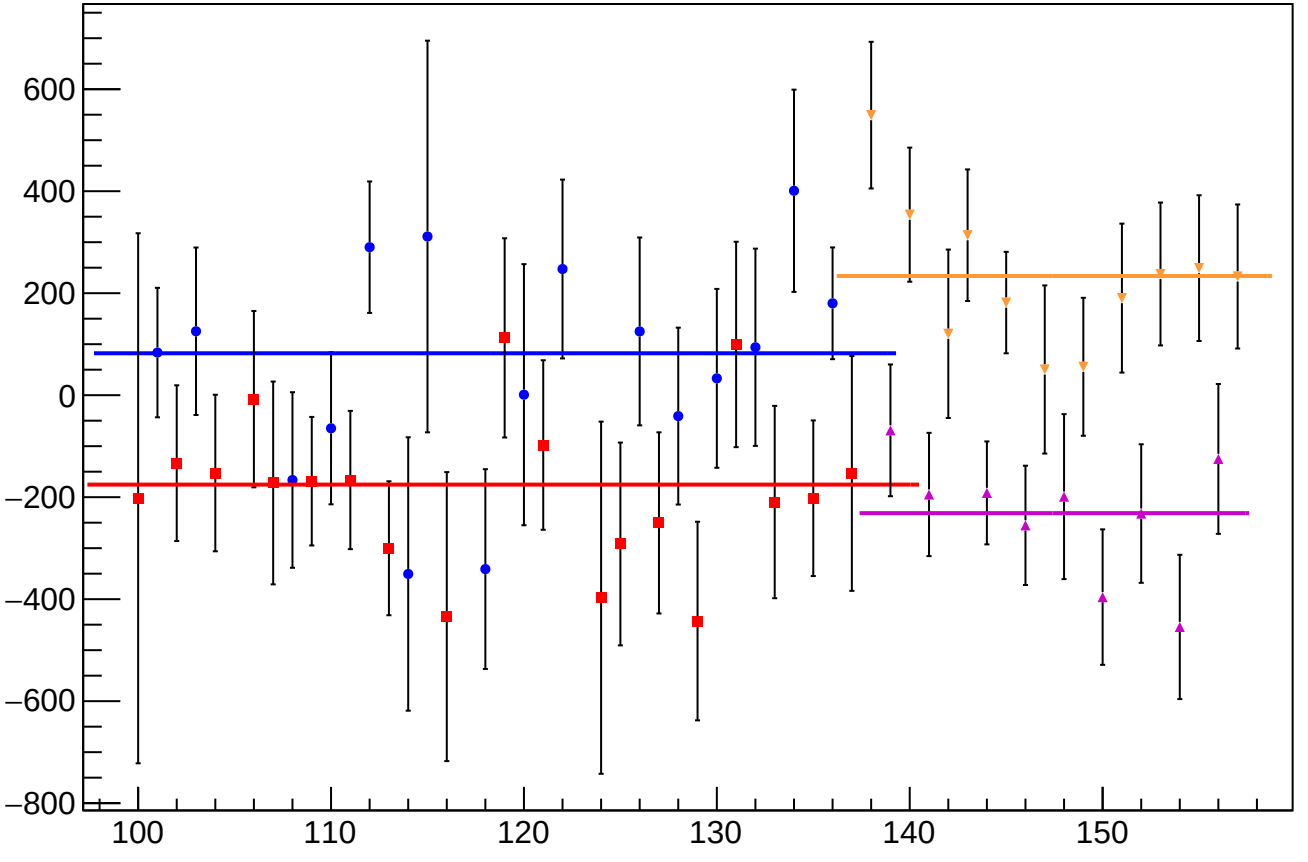
Left In: 943.568+/-0.242 χ^2/NDF:306745.7/8

+ sign 1028.096+/-0.187 χ^2/NDF: 1473373.4/26

All: 1020.538+/-0.133 χ^2/NDF: 2794305.2/54

- sign 1012.909+/-0.188 χ^2/NDF: 1317664.5/27

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.705+/-41.086 χ^2/NDF:9.8/10

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

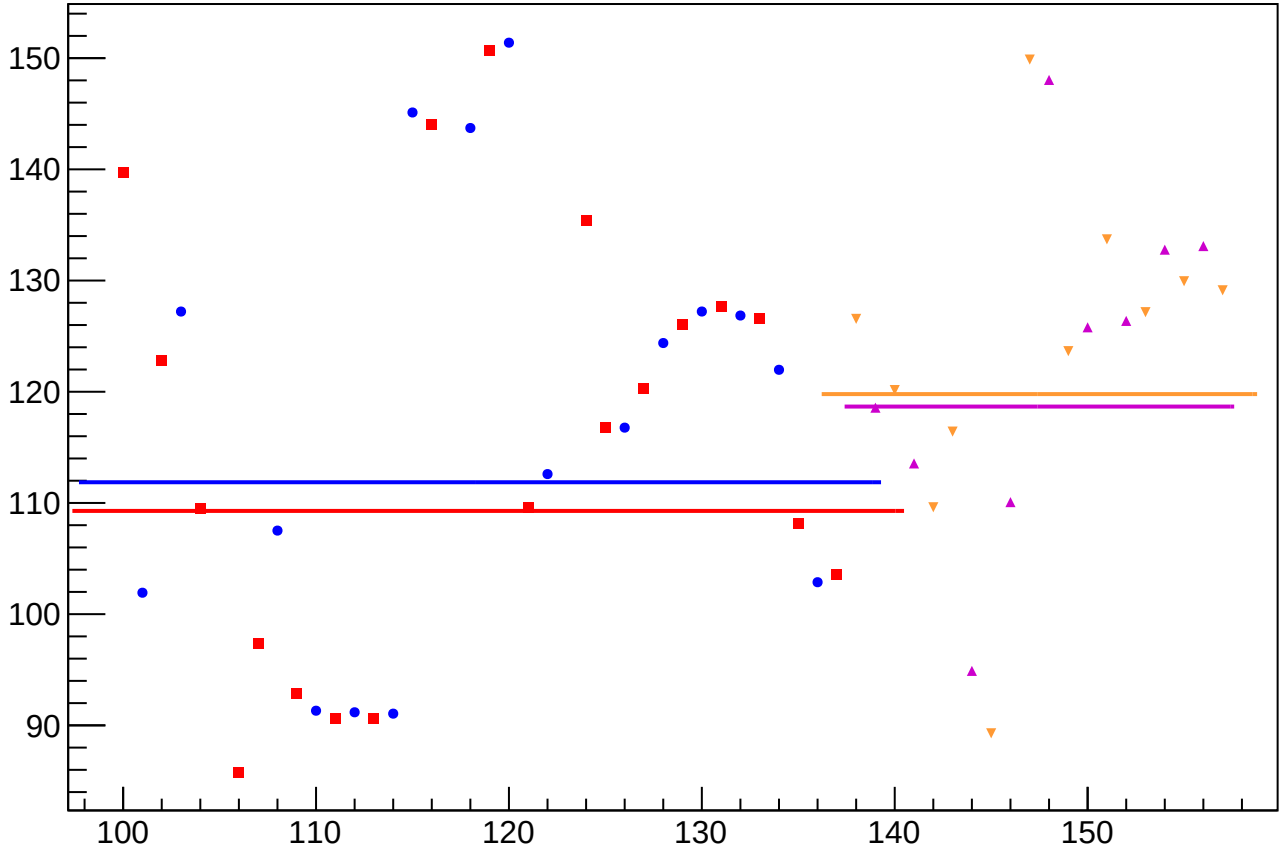
Left In: -231.270+/-42.831 χ^2/NDF:6.5/8

+ sign 159.852+/-29.415 χ^2/NDF: 34.9/26

All: -20.513+/-20.828 χ^2/NDF: 127.5/54

- sign -201.863+/-29.495 χ^2/NDF: 17.3/27

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 119.789+/-0.029 χ^2/NDF:312249.7/10

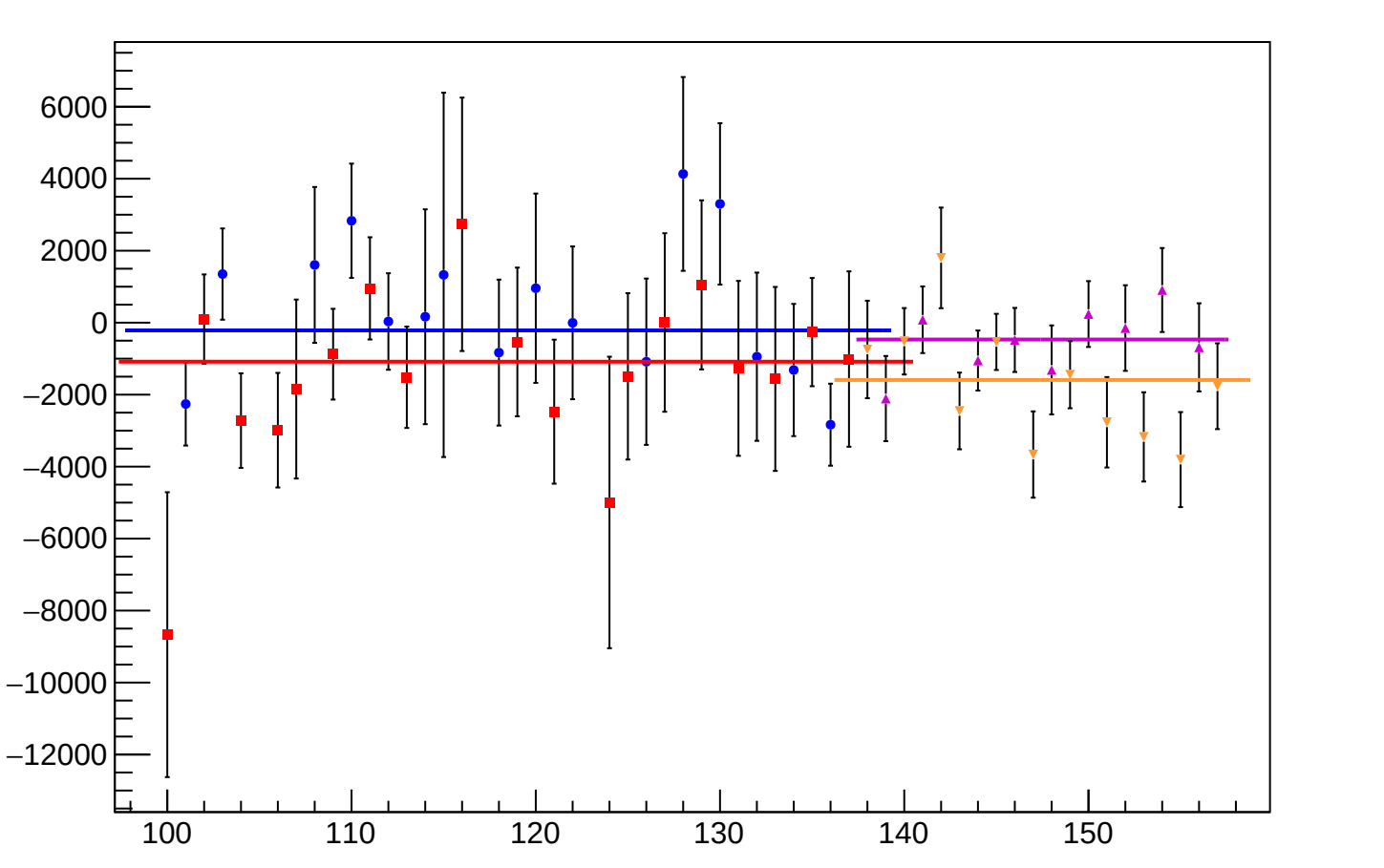
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 118.668+/-0.030 χ^2/NDF:242650.6/8

+ sign 115.925+/-0.021 χ^2/NDF: 654563.2/26

All: 114.833+/-0.015 χ^2/NDF: 1323932.1/54

- sign 113.734+/-0.021 χ^2/NDF: 663836.1/27



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1591.959+/-330.437 χ^2/NDF:18.5/10

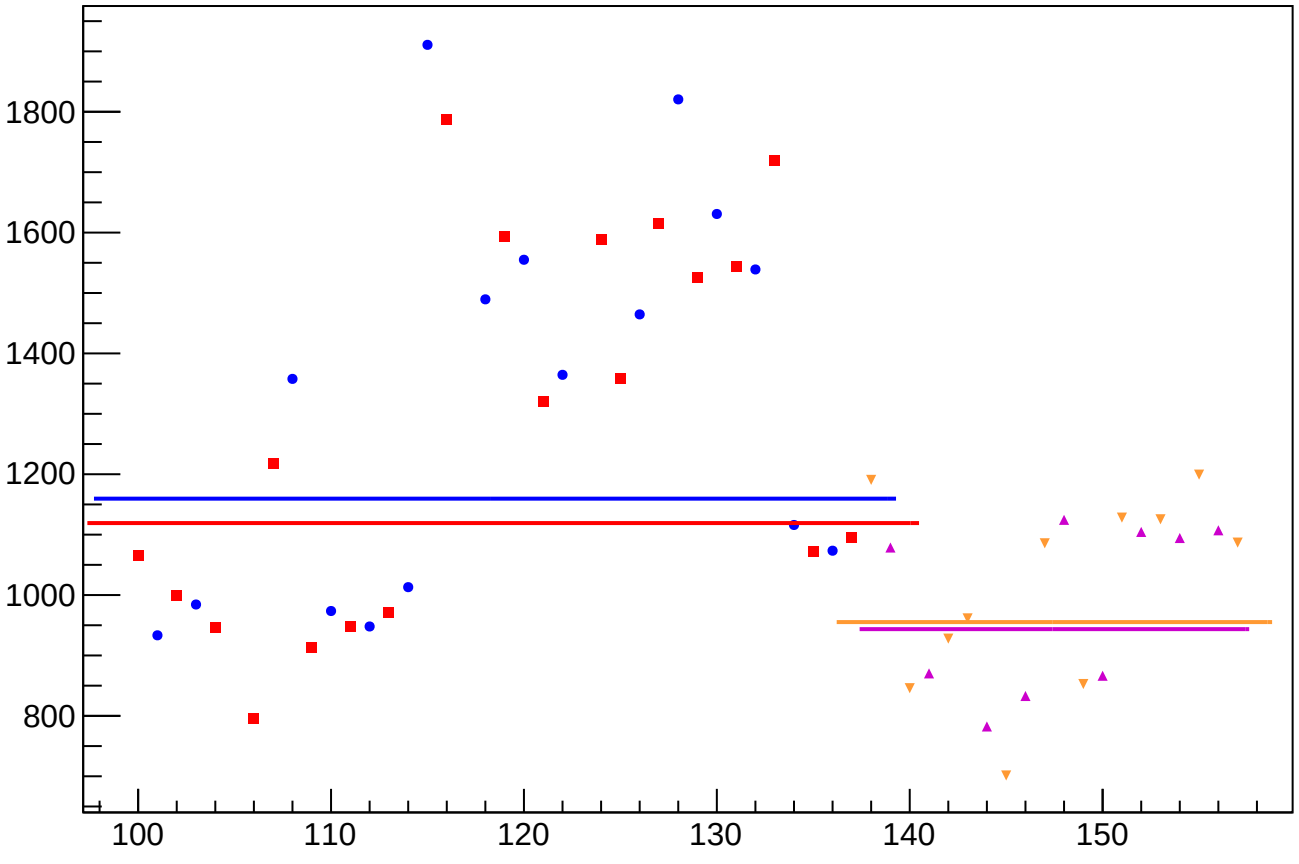
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -468.227+/-342.351 χ^2/NDF:5.3/8

+ sign -1100.838+/-265.075 χ^2/NDF: 45.1/26

All: -907.011+/-187.870 χ^2/NDF: 66.7/54

- sign -711.378+/-266.307 χ^2/NDF: 20.5/27



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 955.261+/-0.234 χ^2/NDF:517129.8/10

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

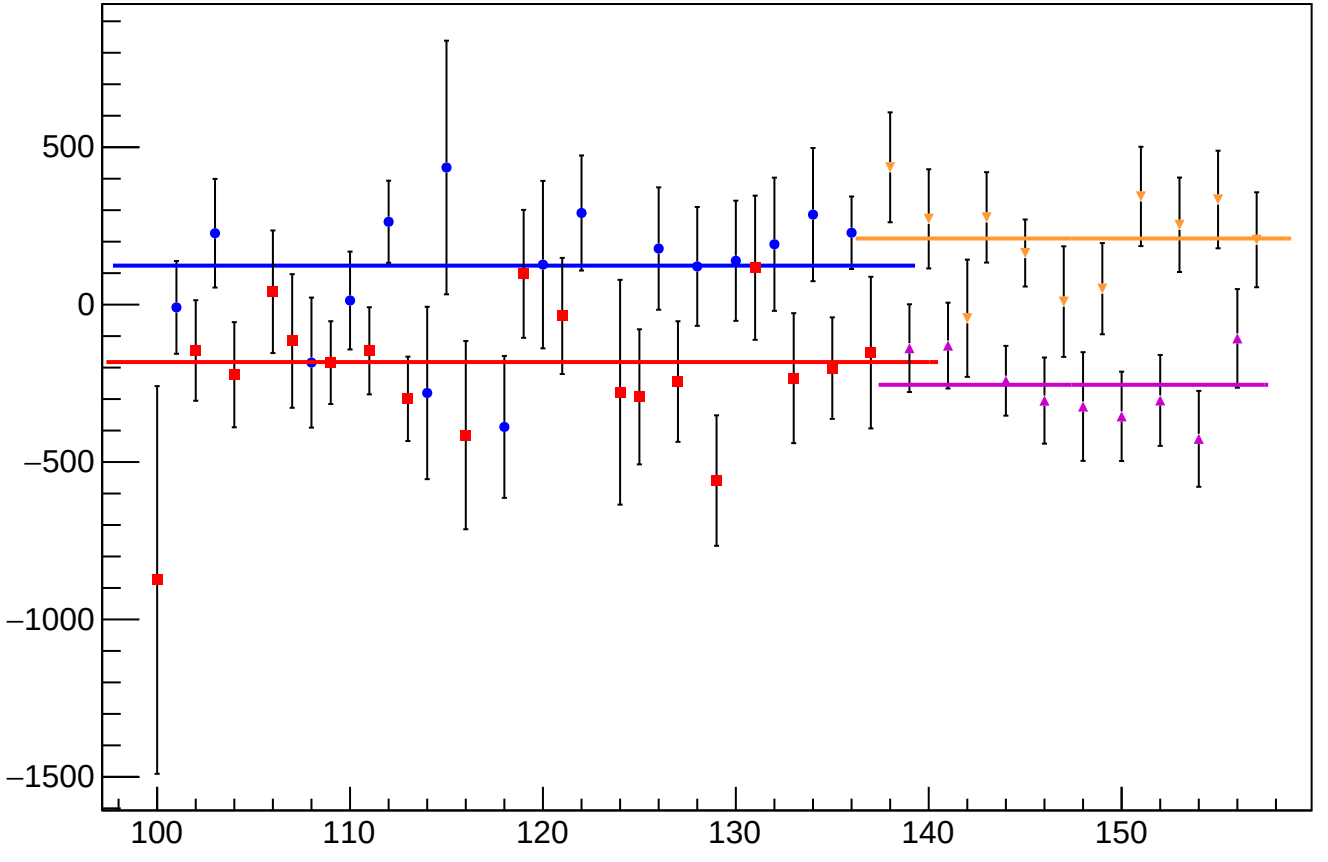
Left In: 943.568+/-0.242 χ^2/NDF:306745.7/8

+ sign 1028.096+/-0.187 χ^2/NDF: 1473373.4/26

All: 1020.538+/-0.133 χ^2/NDF: 2794305.2/54

- sign 1012.909+/-0.188 χ^2/NDF: 1317664.5/27

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.086+/-45.226 χ^2/NDF:8.0/10

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

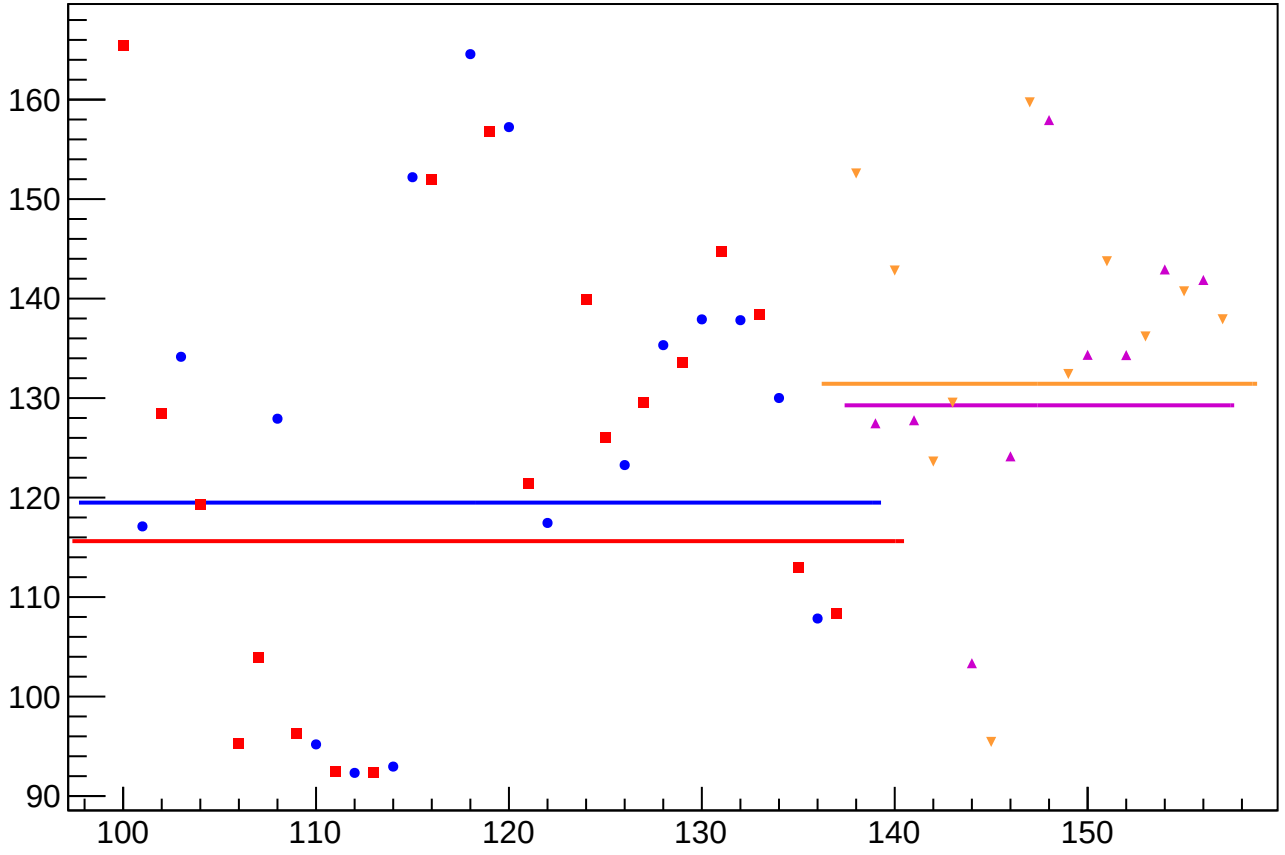
Left In: -254.644+/-46.864 χ^2/NDF:4.6/8

+ sign 167.001+/-31.984 χ^2/NDF: 25.3/26

All: -25.585+/-22.541 χ^2/NDF: 115.5/54

- sign -215.644+/-31.773 χ^2/NDF: 18.2/27

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.439+/-0.032 χ^2/NDF:349284.2/10

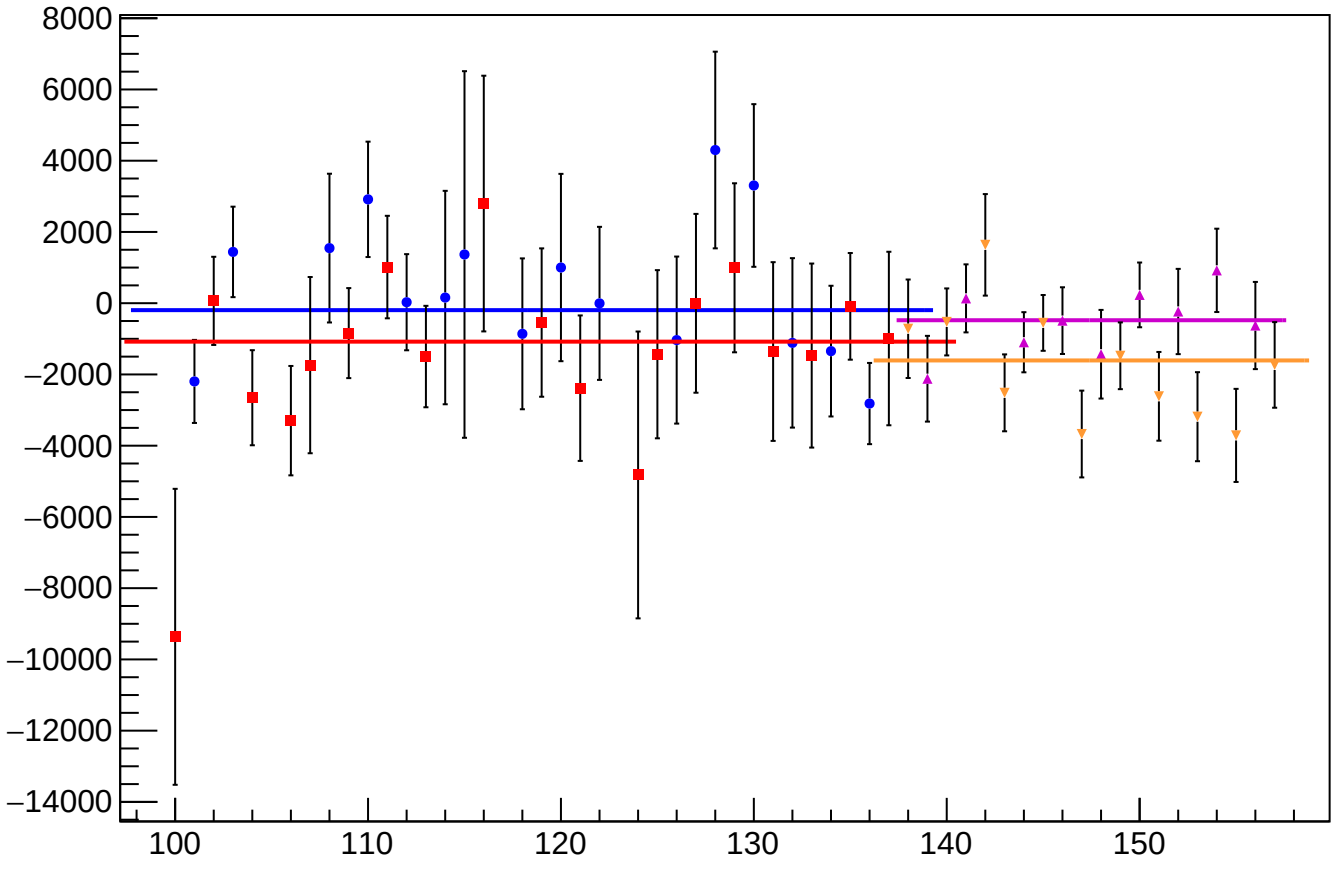
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 129.273+/-0.033 χ^2/NDF:202023.8/8

+ sign 125.468+/-0.023 χ^2/NDF: 799263.6/26

All: 123.671+/-0.016 χ^2/NDF: 1532500.2/54

- sign 121.897+/-0.022 χ^2/NDF: 720685.2/27



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.072+/-333.125 χ^2/NDF:17.2/10

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

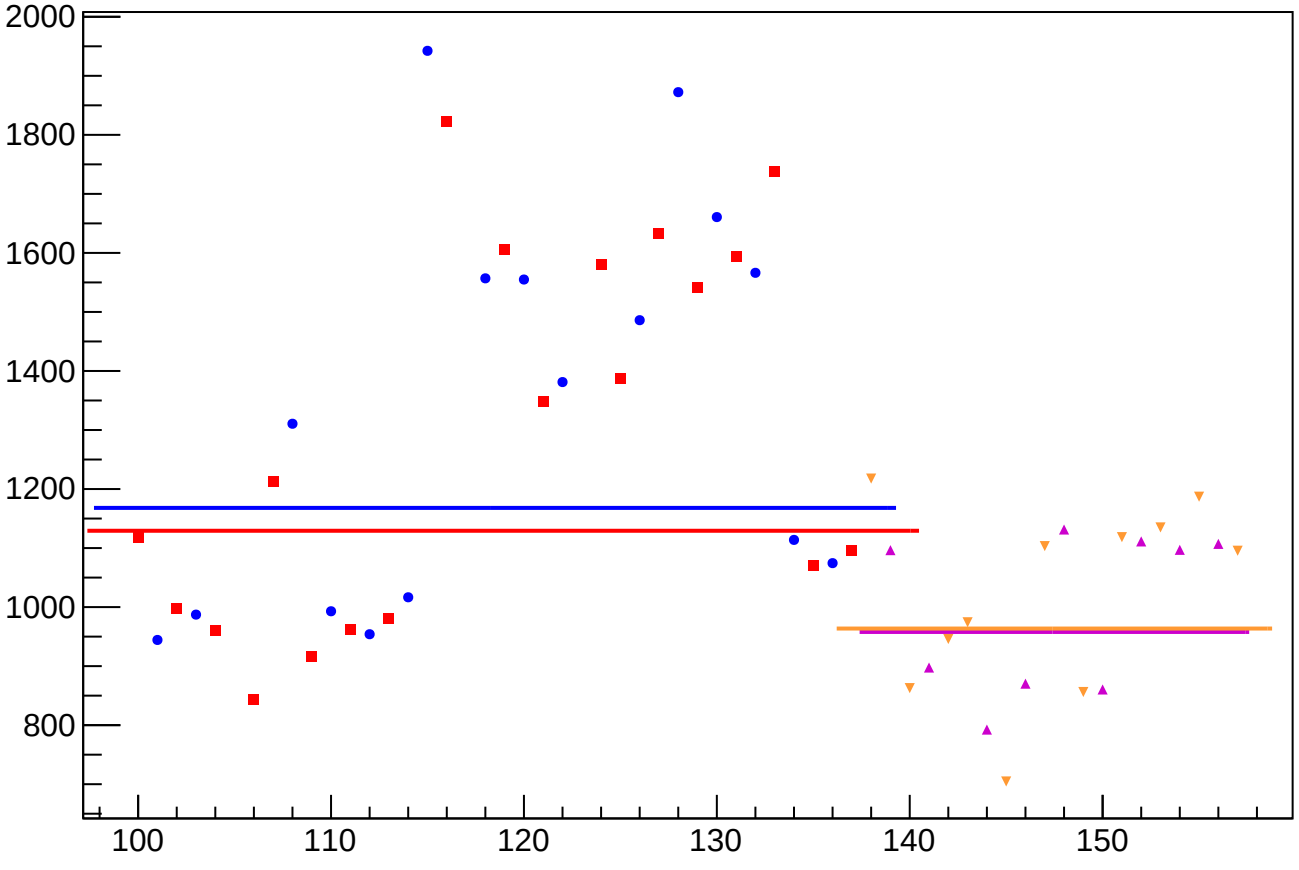
Left In: -478.284+/-347.432 χ^2/NDF:5.5/8

+ sign -1103.370+/-267.180 χ^2/NDF: 44.0/26

All: -912.372+/-189.645 χ^2/NDF: 66.3/54

- sign -718.433+/-269.230 χ^2/NDF: 21.3/27

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 963.674+/-0.236 χ^2/NDF:513522.5/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

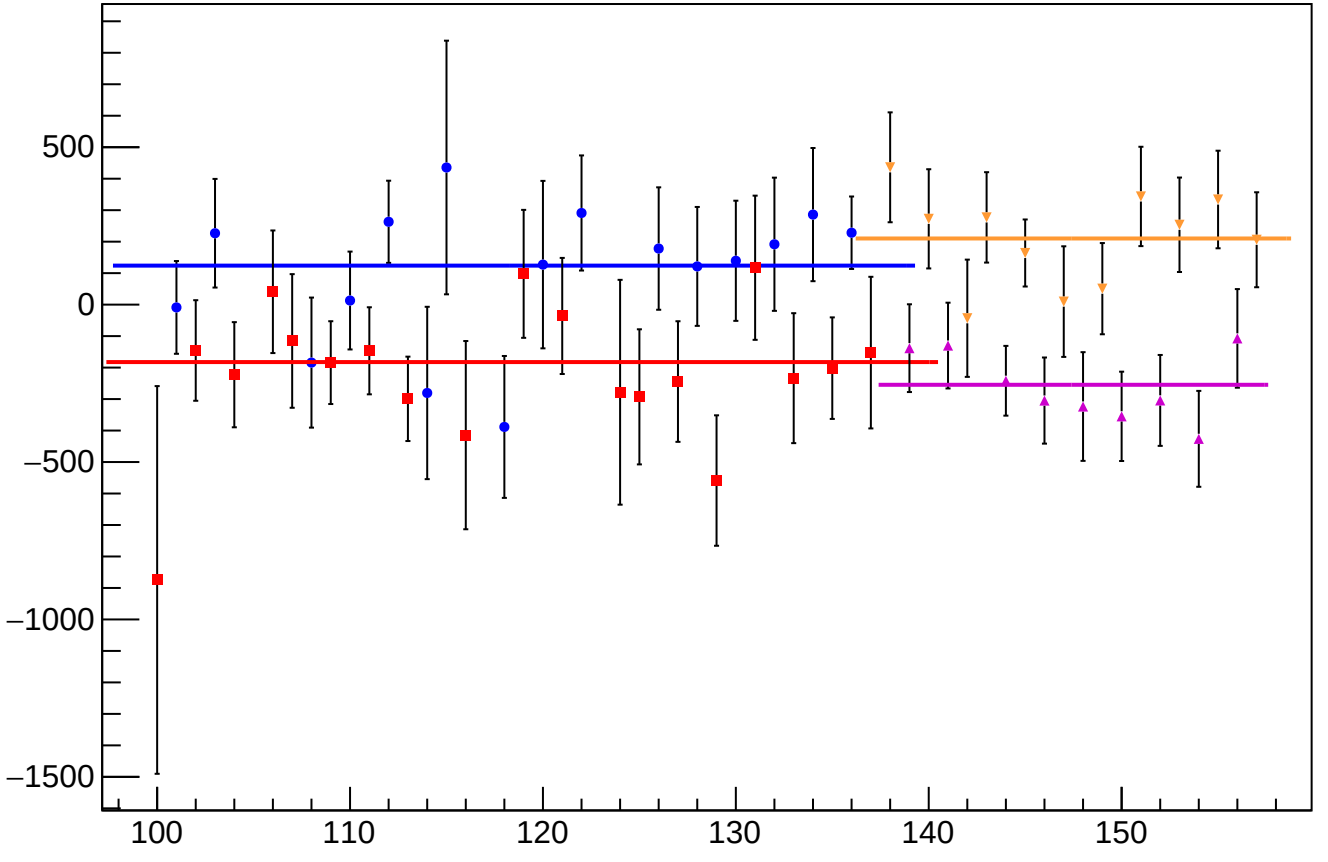
Left In: 957.898+/-0.246 χ^2/NDF:281509.8/8

+ sign 1036.586+/-0.189 χ^2/NDF: 1491464.6/26

All: 1031.523+/-0.134 χ^2/NDF: 2776151.9/54

- sign 1026.381+/-0.190 χ^2/NDF: 1283239.5/27

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.087+/-45.226 χ^2/NDF:8.0/10

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

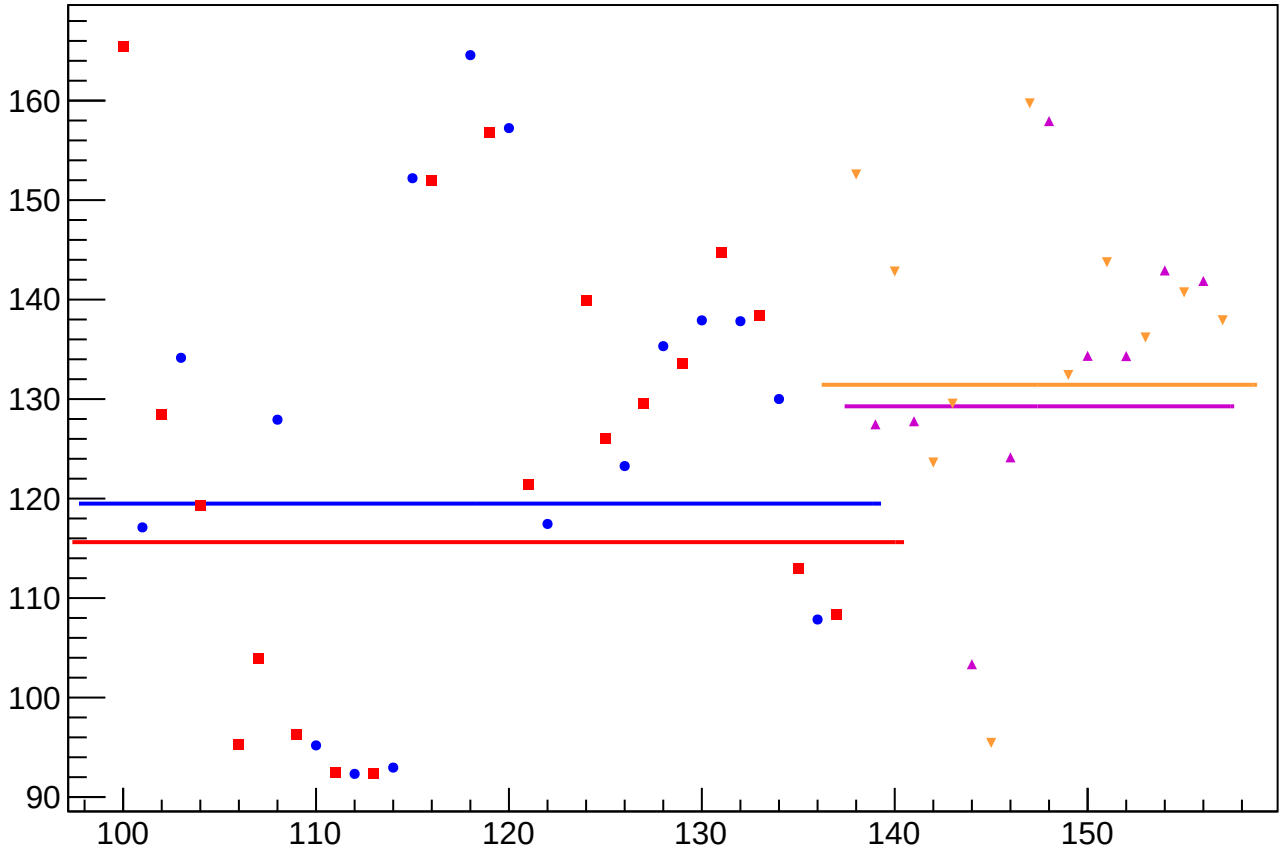
Left In: -254.646+/-46.865 χ^2/NDF:4.6/8

+ sign 167.003+/-31.984 χ^2/NDF: 25.3/26

All: -25.584+/-22.541 χ^2/NDF: 115.5/54

- sign -215.645+/-31.773 χ^2/NDF: 18.2/27

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.439+/-0.032 χ^2/NDF:349282.4/10

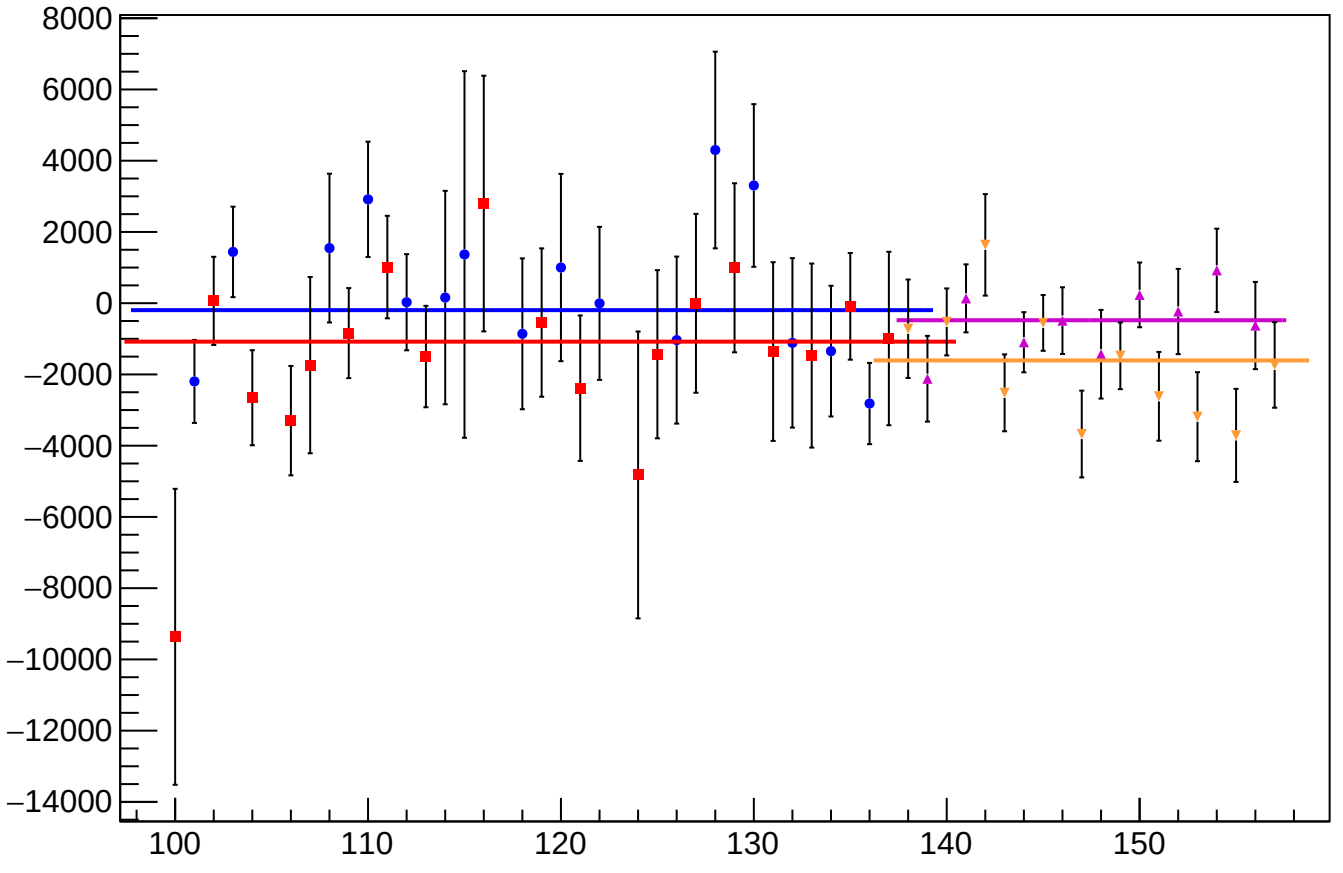
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 129.273+/-0.033 χ^2/NDF:202022.3/8

+ sign 125.468+/-0.023 χ^2/NDF: 799265.6/26

All: 123.671+/-0.016 χ^2/NDF: 1532507.2/54

- sign 121.897+/-0.022 χ^2/NDF: 720690.0/27



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1607.070+/-333.125 χ^2/NDF:17.2/10

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

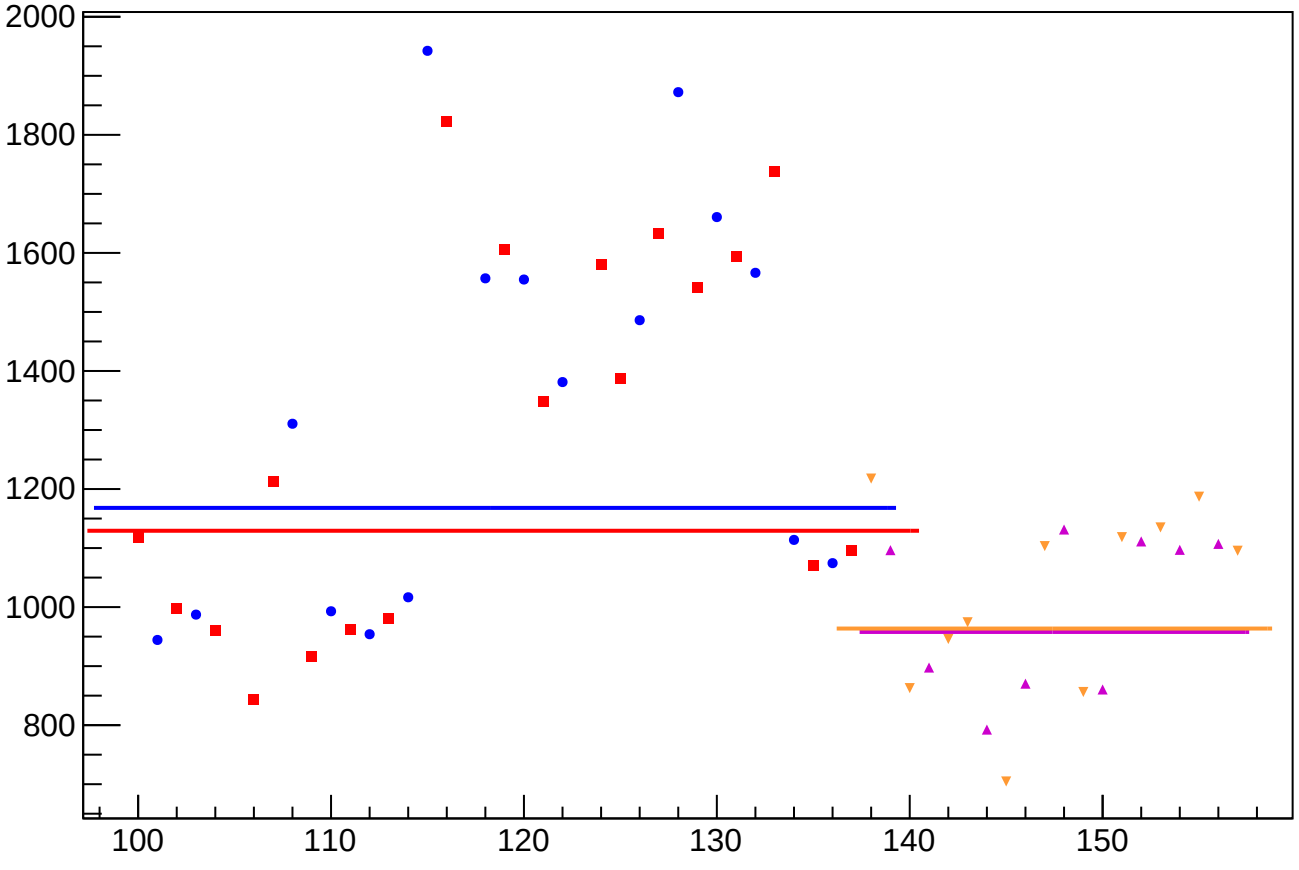
Left In: -478.284+/-347.432 χ^2/NDF:5.5/8

+ sign -1103.368+/-267.180 χ^2/NDF: 44.0/26

All: -912.372+/-189.645 χ^2/NDF: 66.3/54

- sign -718.433+/-269.229 χ^2/NDF: 21.3/27

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 963.673+/-0.236 χ^2/NDF:513525.7/10

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

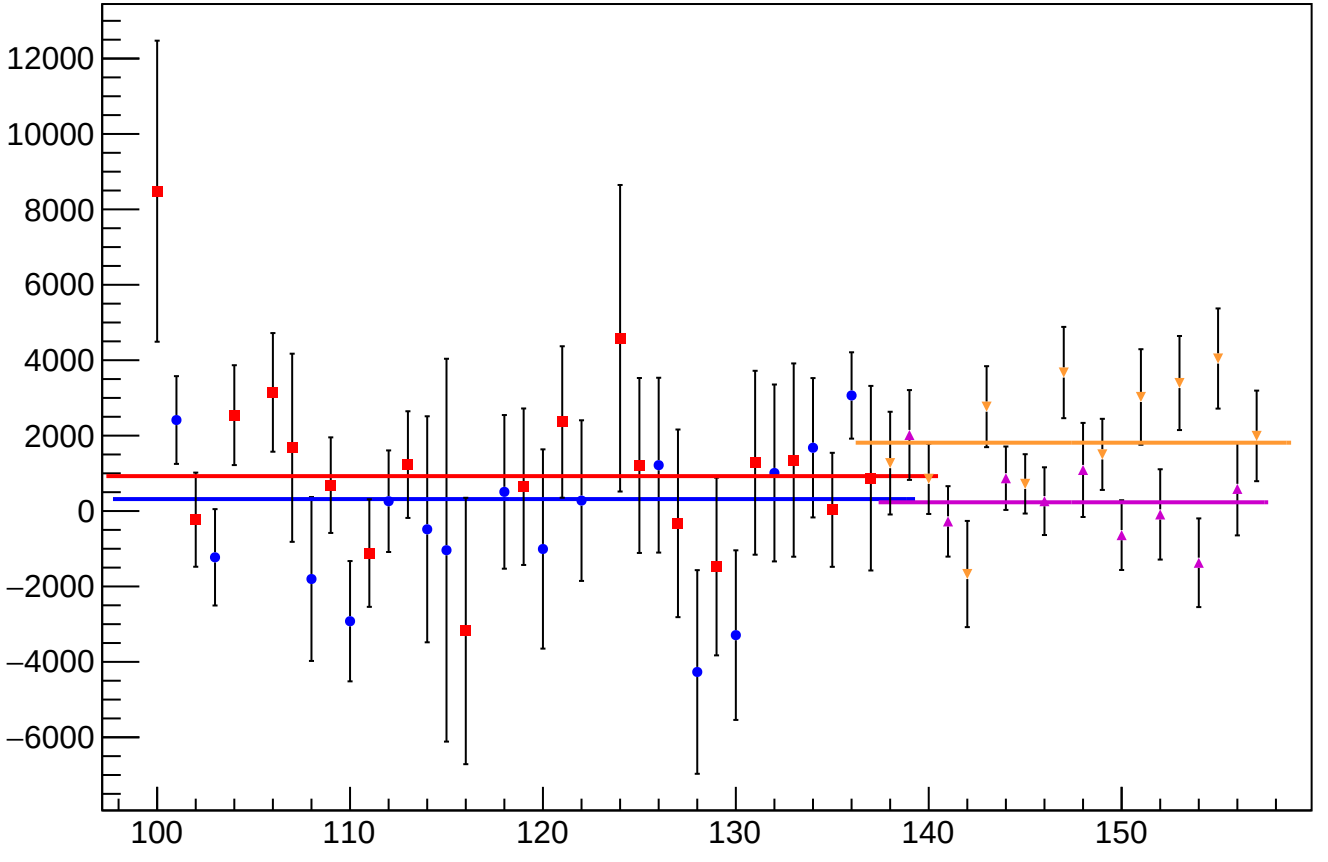
Left In: 957.897+/-0.246 χ^2/NDF:281508.0/8

+ sign 1036.586+/-0.189 χ^2/NDF: 1491471.6/26

All: 1031.522+/-0.134 χ^2/NDF: 2776158.1/54

- sign 1026.381+/-0.190 χ^2/NDF: 1283238.8/27

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1812.499+/-333.139 χ^2/NDF:17.9/10

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

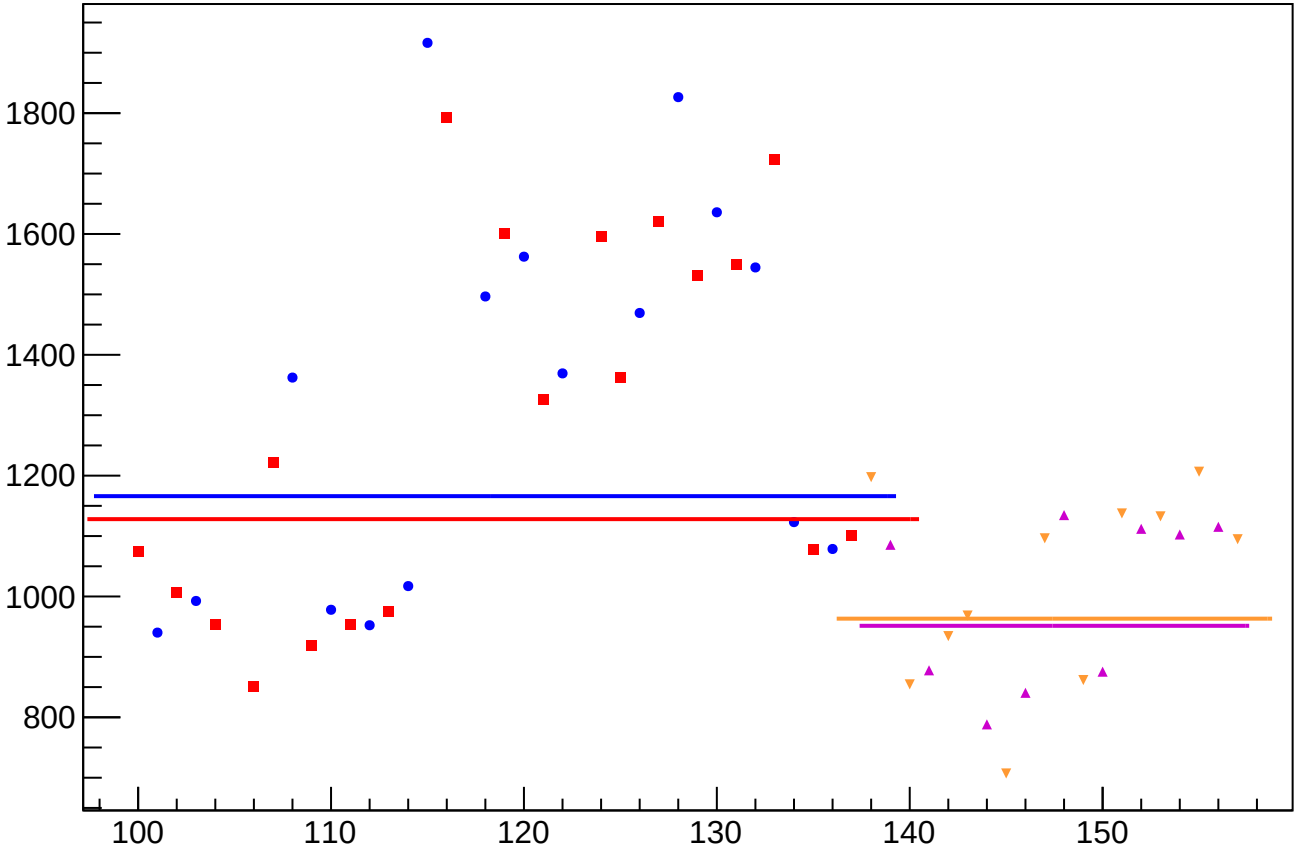
Left In: 232.269+/-345.155 χ^2/NDF:6.5/8

+ sign 1277.581+/-266.974 χ^2/NDF: 47.3/26

All: 894.147+/-189.151 χ^2/NDF: 74.0/54

- sign 507.675+/-268.029 χ^2/NDF: 22.6/27

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 963.287+/-0.236 χ^2/NDF:512428.9/10

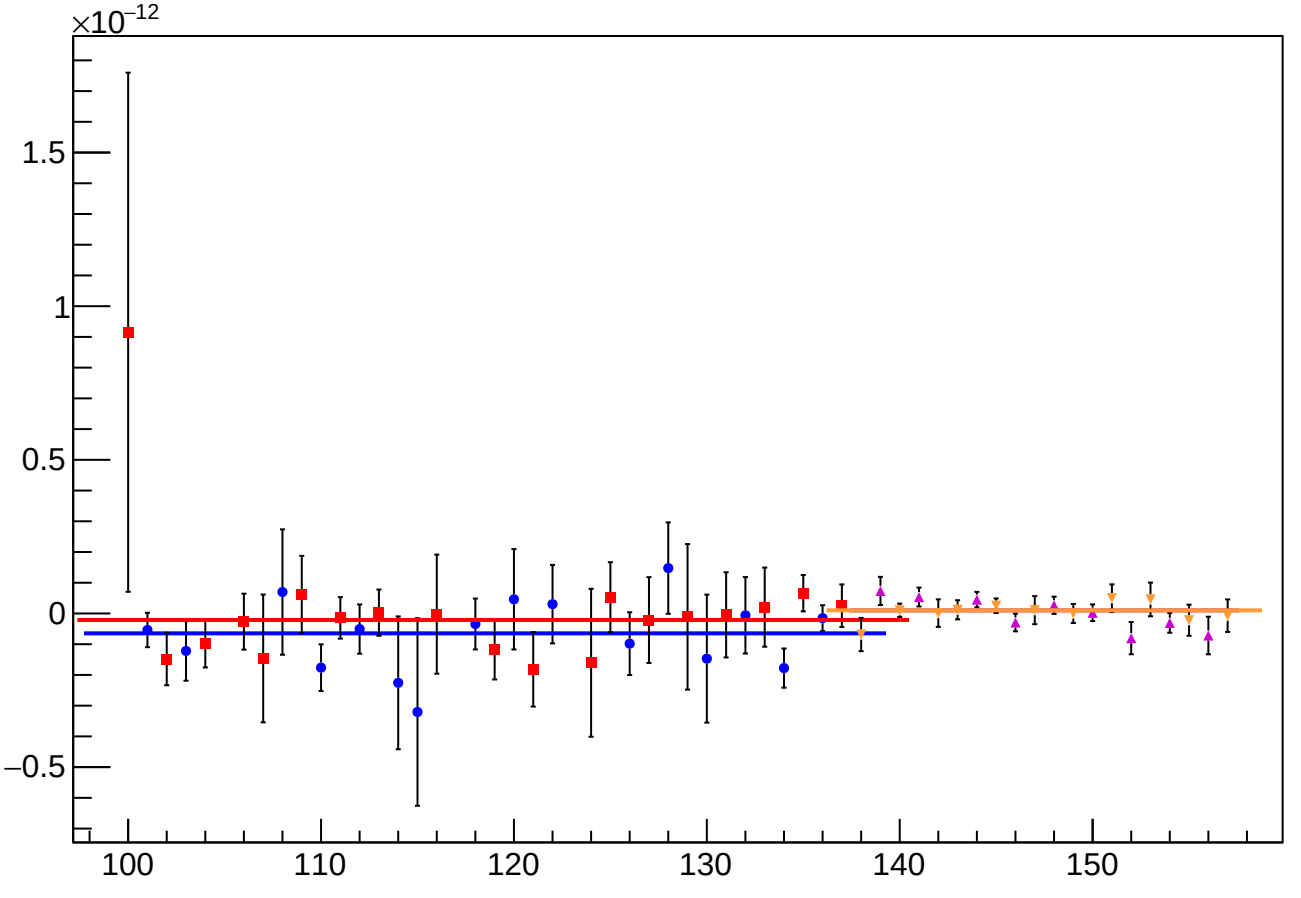
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 951.449+/-0.244 χ^2/NDF:304479.9/8

+ sign 1035.832+/-0.189 χ^2/NDF: 1454580.4/26

All: 1028.713+/-0.134 χ^2/NDF: 2745430.1/54

- sign 1021.537+/-0.190 χ^2/NDF: 1287993.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/10

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

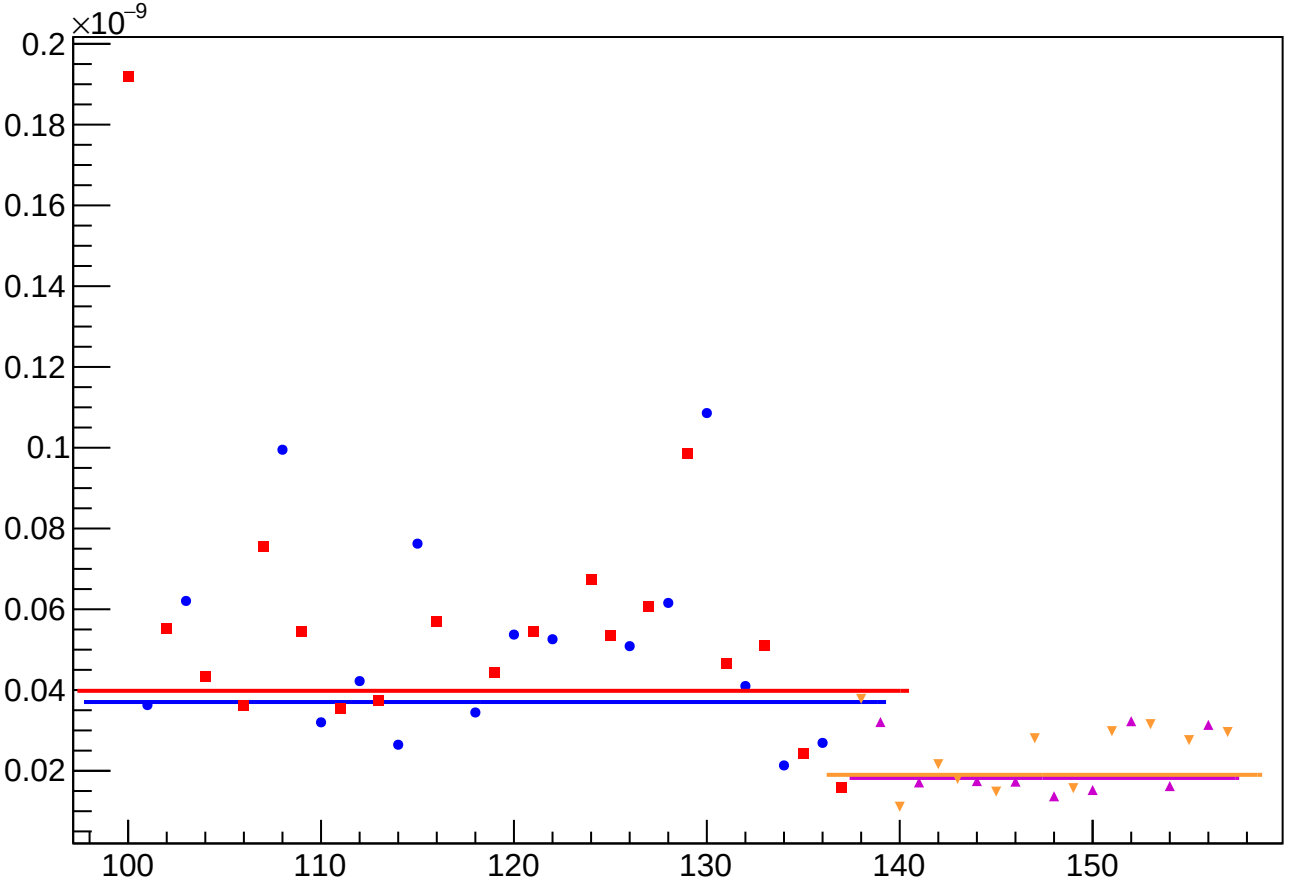
Left In: 0.000+/-0.000 χ^2/NDF:14.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/26

All: 0.000+/-0.000 χ^2/NDF: 54.2/54

- sign 0.000+/-0.000 χ^2/NDF: 27.5/27

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1035412.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

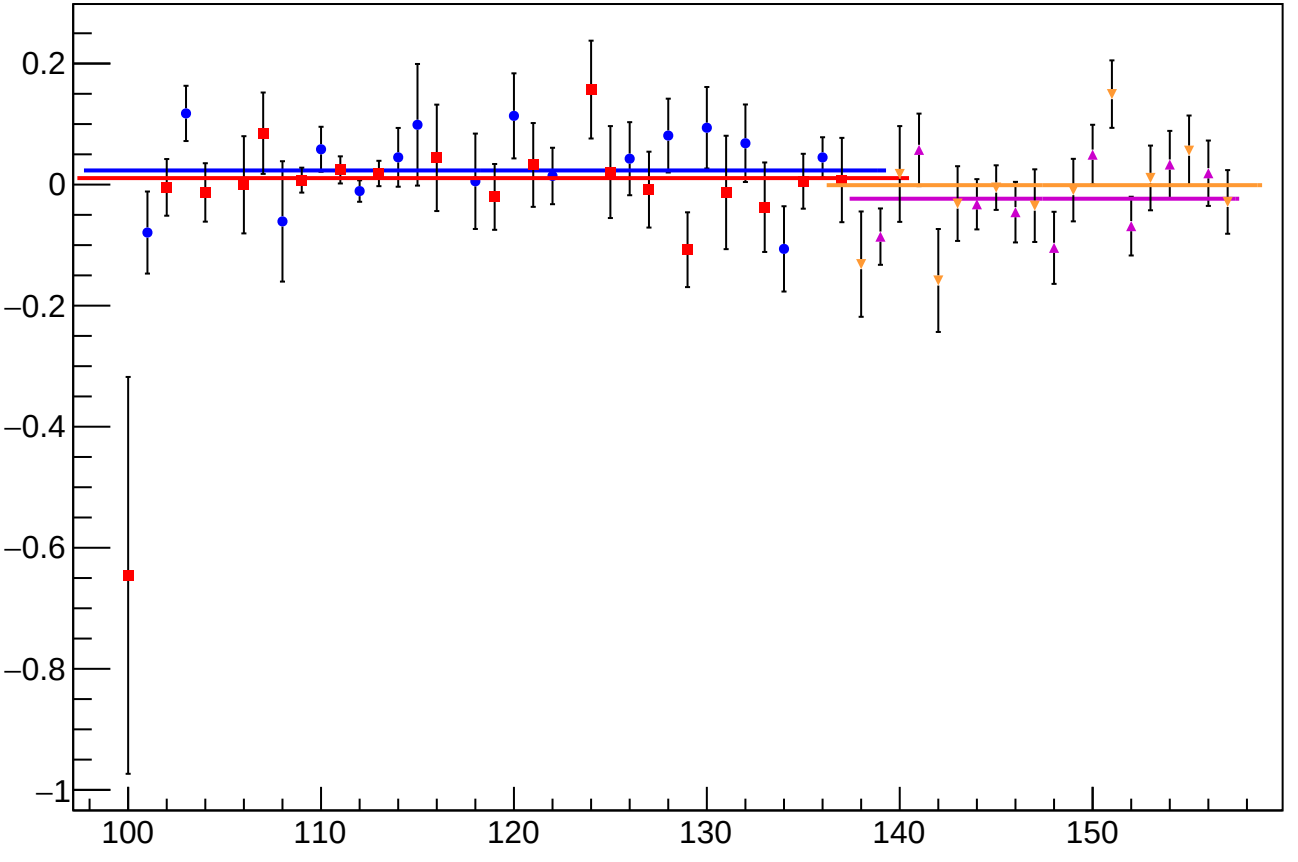
Left In: 0.000+/-0.000 χ^2/NDF:509647.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 3133479.3/26

All: 0.000+/-0.000 χ^2/NDF: 5976747.4/54

- sign 0.000+/-0.000 χ^2/NDF: 2842059.2/27

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

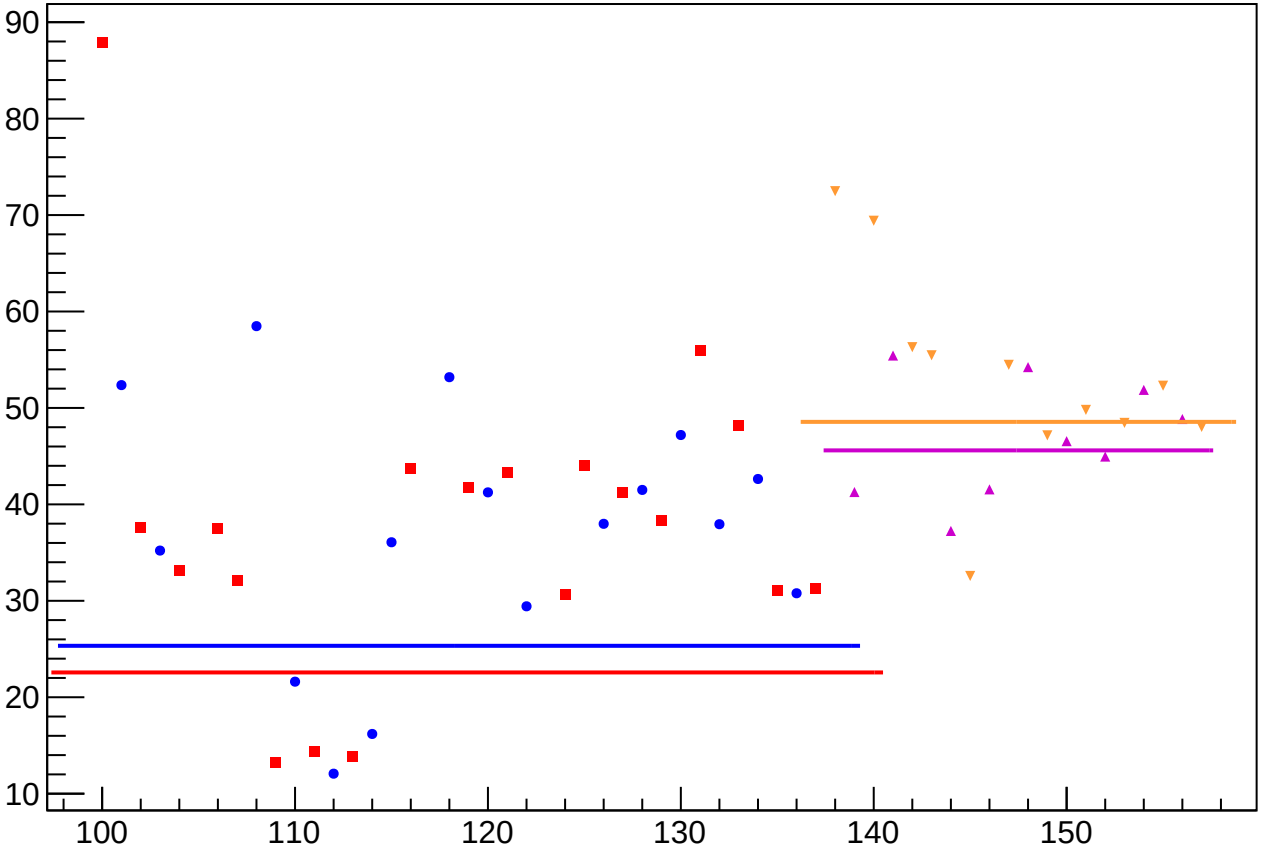
Left In: -0.023+/-0.017 χ^2/NDF:10.4/8

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.0/54

- sign 0.002+/-0.008 χ^2/NDF: 27.7/27

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.555+/-0.012 χ^2/NDF:738483.2/10

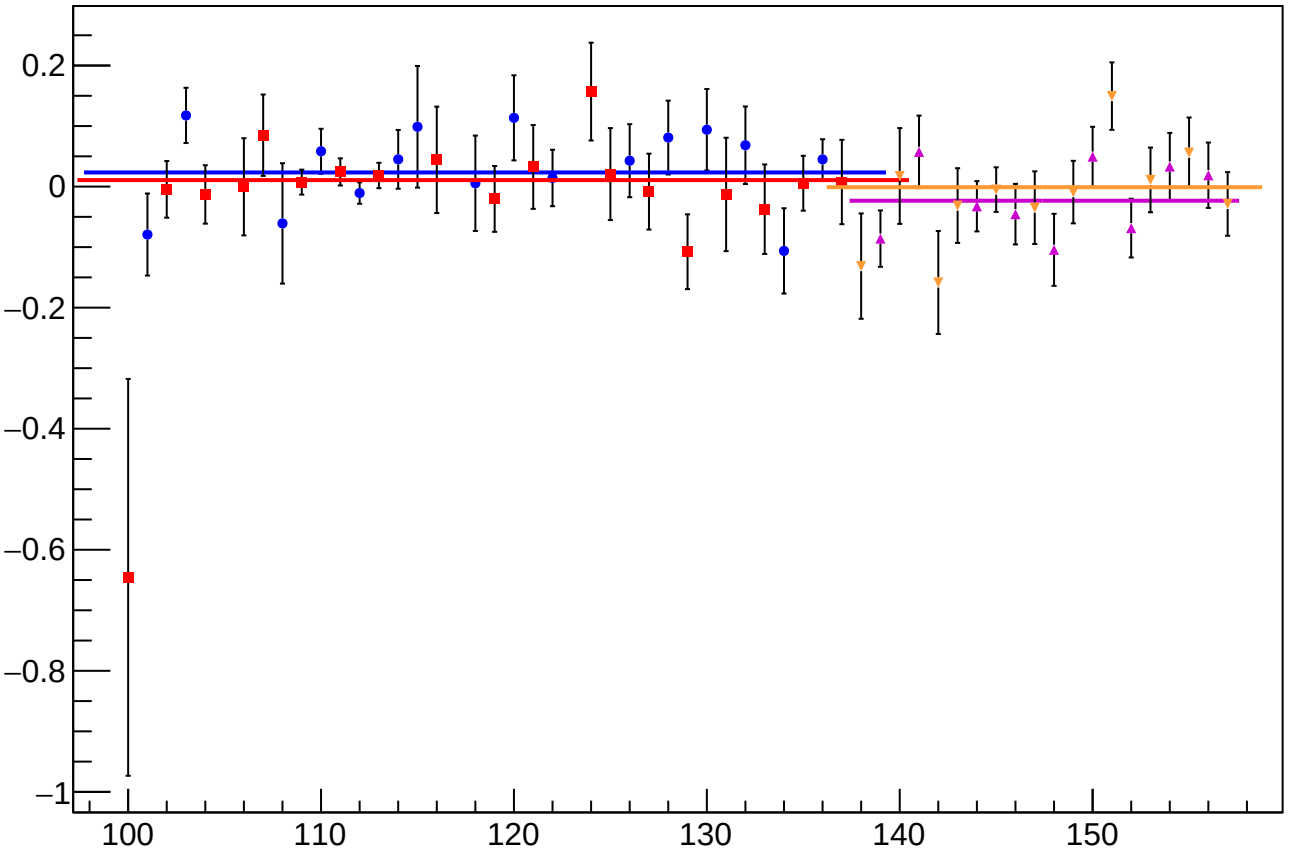
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.598+/-0.012 χ^2/NDF:241057.1/8

+ sign 32.179+/-0.007 χ^2/NDF: 6258382.2/26

All: 30.100+/-0.004 χ^2/NDF: 12602509.3/54

- sign 28.371+/-0.006 χ^2/NDF: 6160910.4/27



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

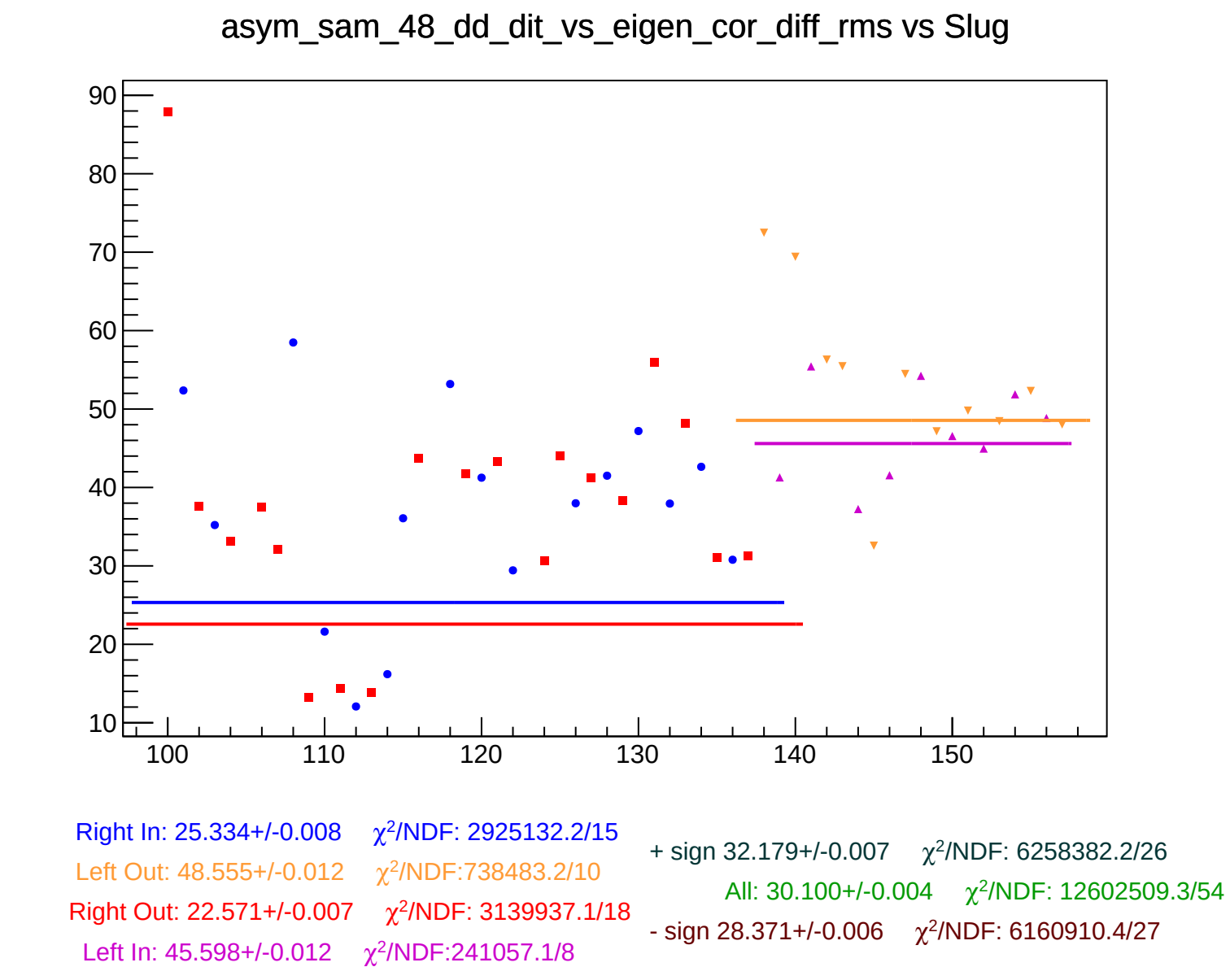
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

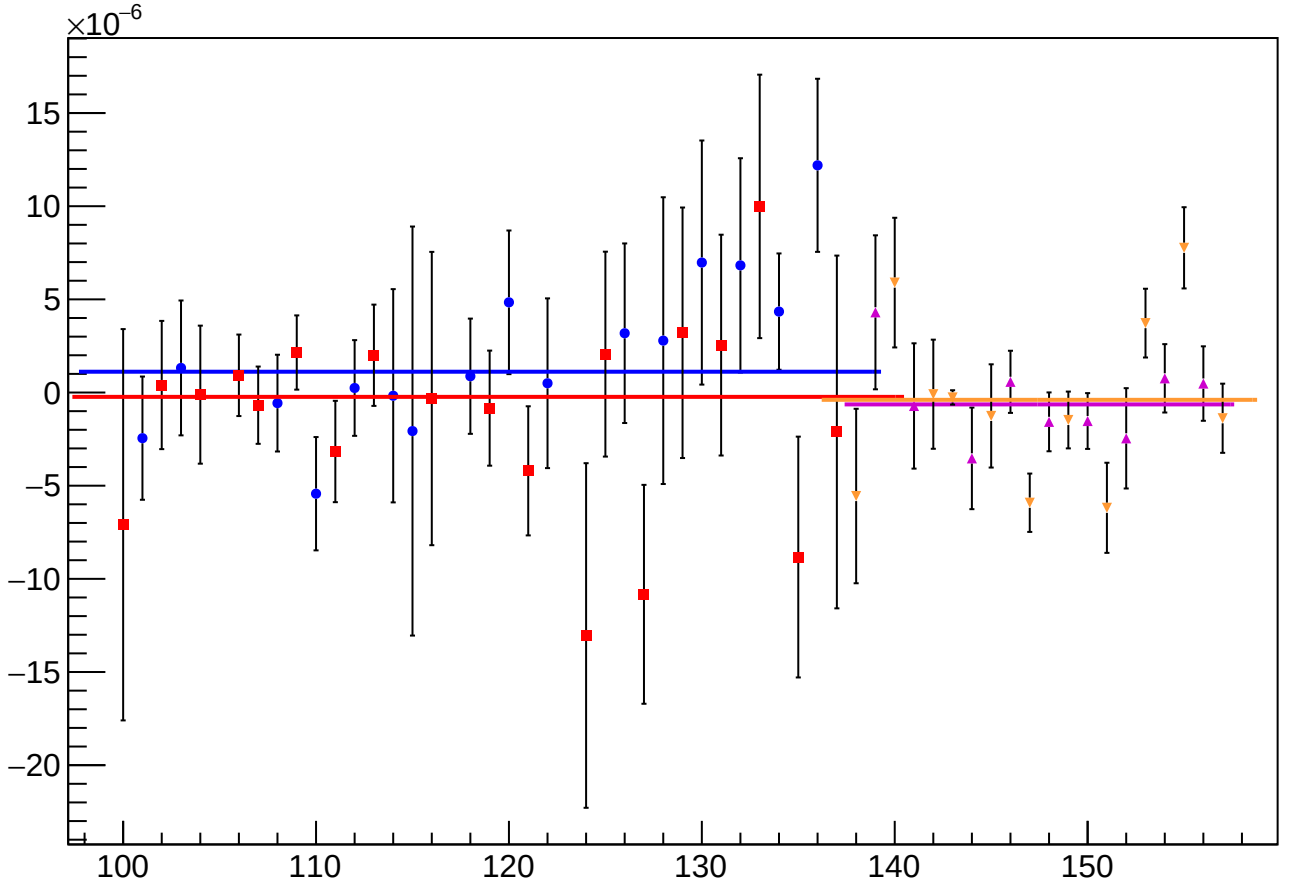
Left In: -0.023+/-0.017 χ^2/NDF:10.4/8

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.0/54

- sign 0.002+/-0.008 χ^2/NDF: 27.7/27


asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.334+/-0.008 χ²/NDF: 2925132.2/15
Left Out: 48.555+/-0.012 χ²/NDF:738483.2/10
Right Out: 22.571+/-0.007 χ²/NDF: 3139937.1/18
Left In: 45.598+/-0.012 χ²/NDF:241057.1/8
+ sign 32.179+/-0.007 χ²/NDF: 6258382.2/26
All: 30.100+/-0.004 χ²/NDF: 12602509.3/54
- sign 28.371+/-0.006 χ²/NDF: 6160910.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/10

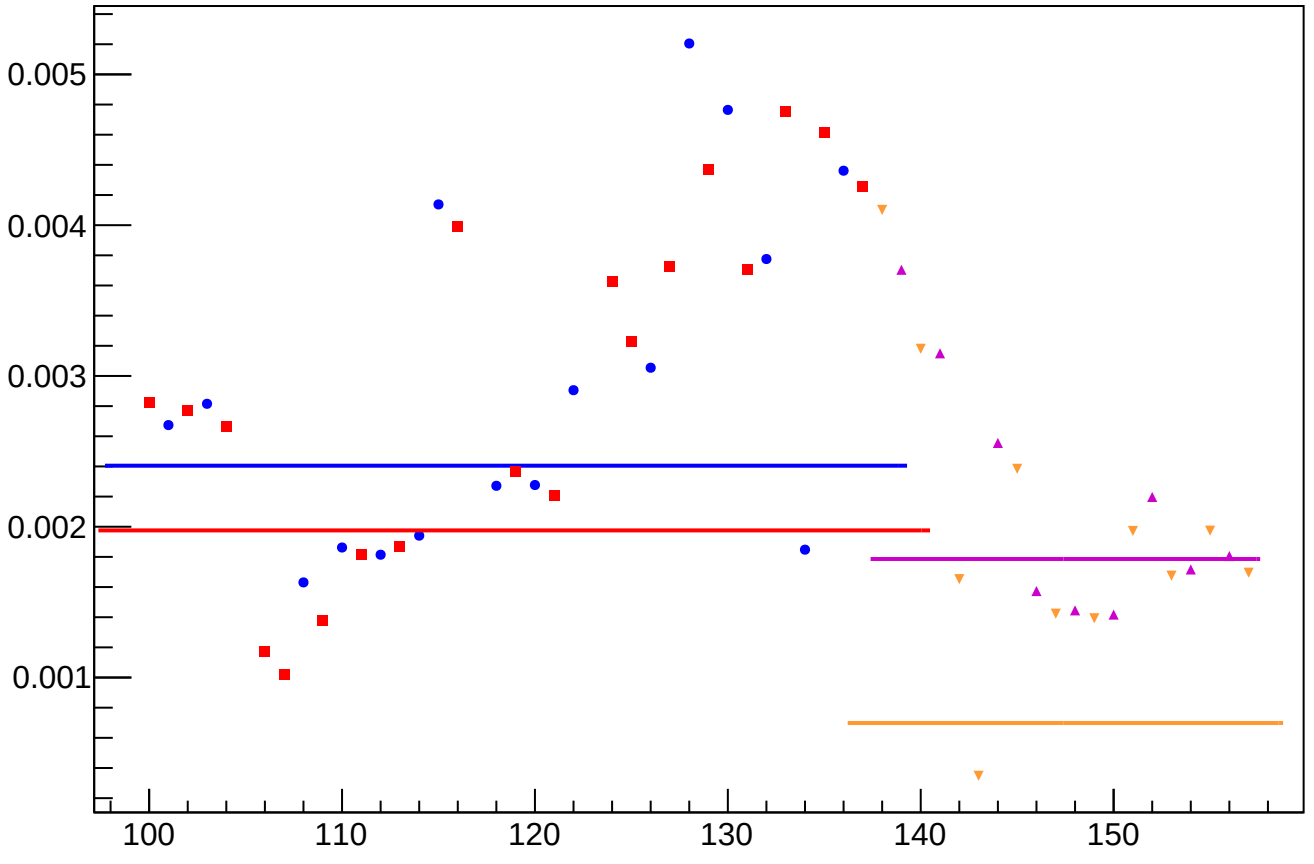
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/26

All: -0.000+/-0.000 χ^2/NDF: 81.7/54

- sign -0.000+/-0.000 χ^2/NDF: 20.4/27



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7889951.0/10

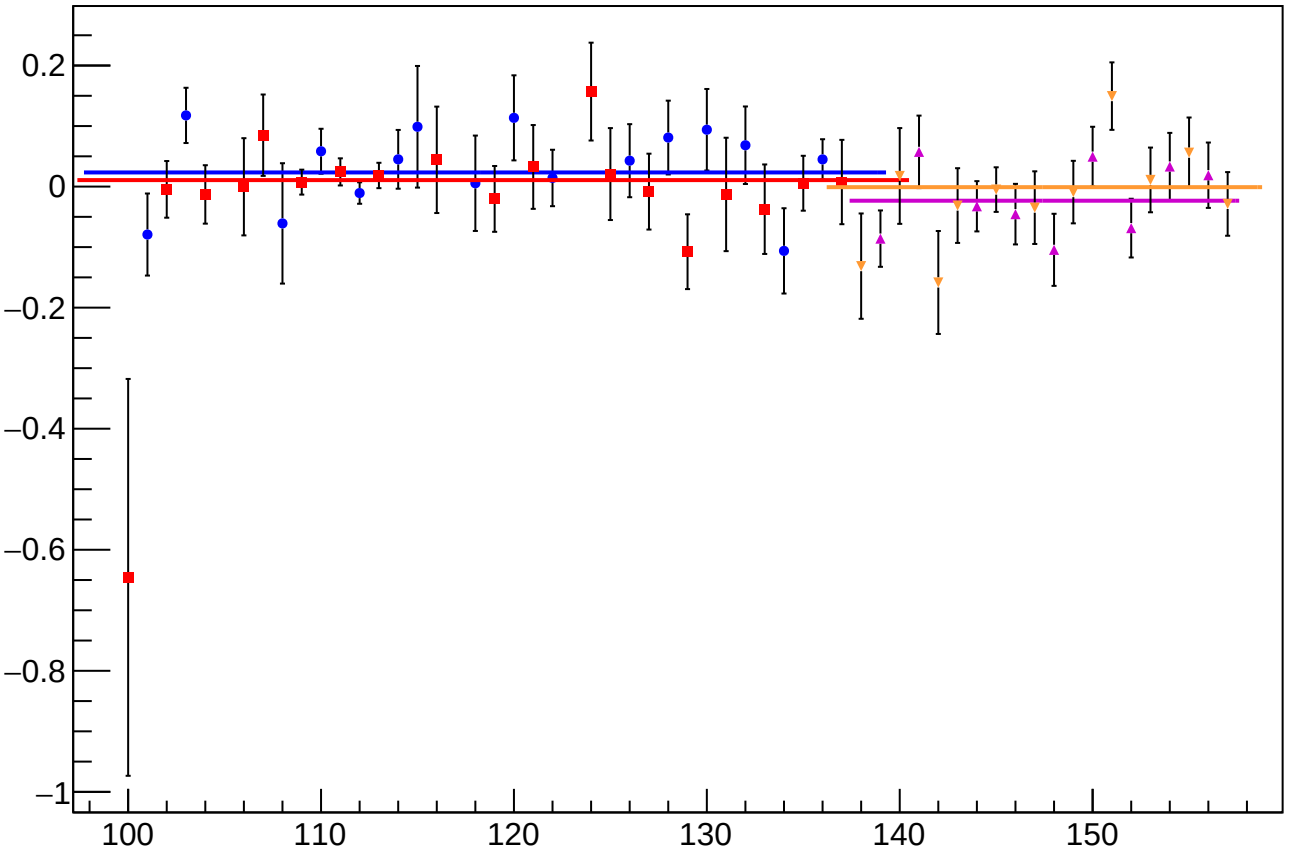
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1216063.1/8

+ sign 0.001+/-0.000 χ^2/NDF: 15149645.0/26

All: 0.001+/-0.000 χ^2/NDF: 24356899.9/54

- sign 0.002+/-0.000 χ^2/NDF: 4055585.4/27



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

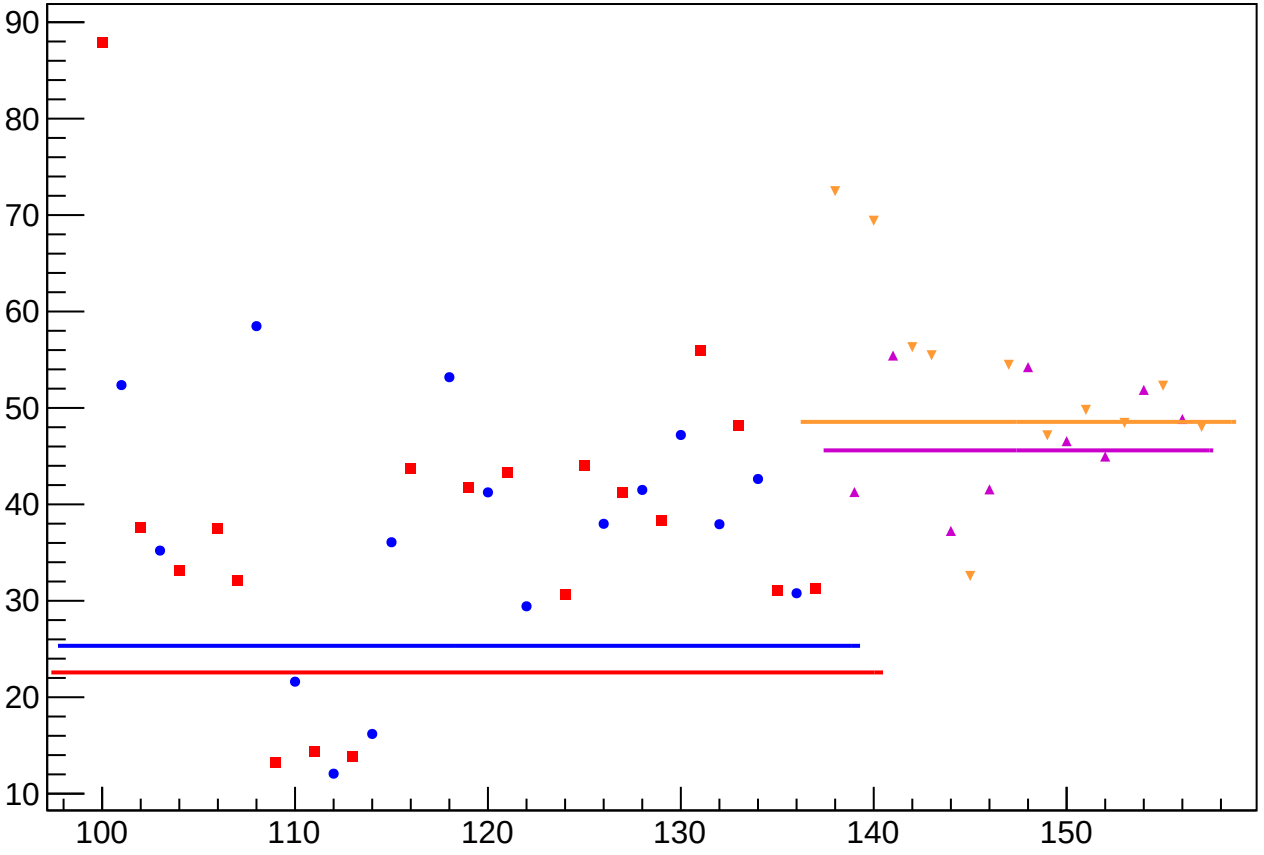
Left In: -0.023+/-0.017 χ^2/NDF:10.4/8

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.0/54

- sign 0.002+/-0.008 χ^2/NDF: 27.7/27

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.556+/-0.012 χ^2/NDF:738454.9/10

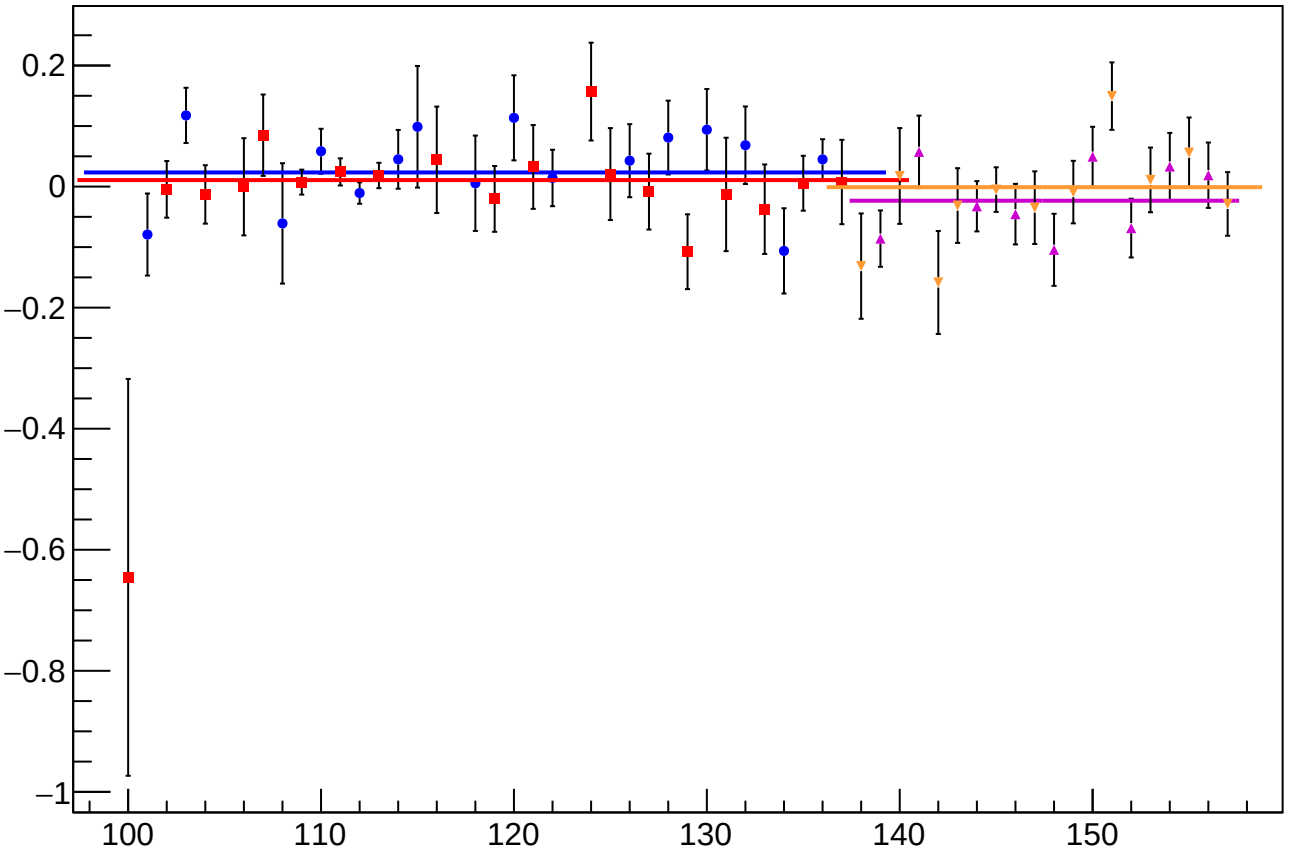
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.599+/-0.012 χ^2/NDF:241048.6/8

+ sign 32.178+/-0.007 χ^2/NDF: 6259177.2/26

All: 30.100+/-0.004 χ^2/NDF: 12603510.4/54

- sign 28.371+/-0.006 χ^2/NDF: 6161199.2/27



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.001+/-0.017 χ^2/NDF:14.9/10

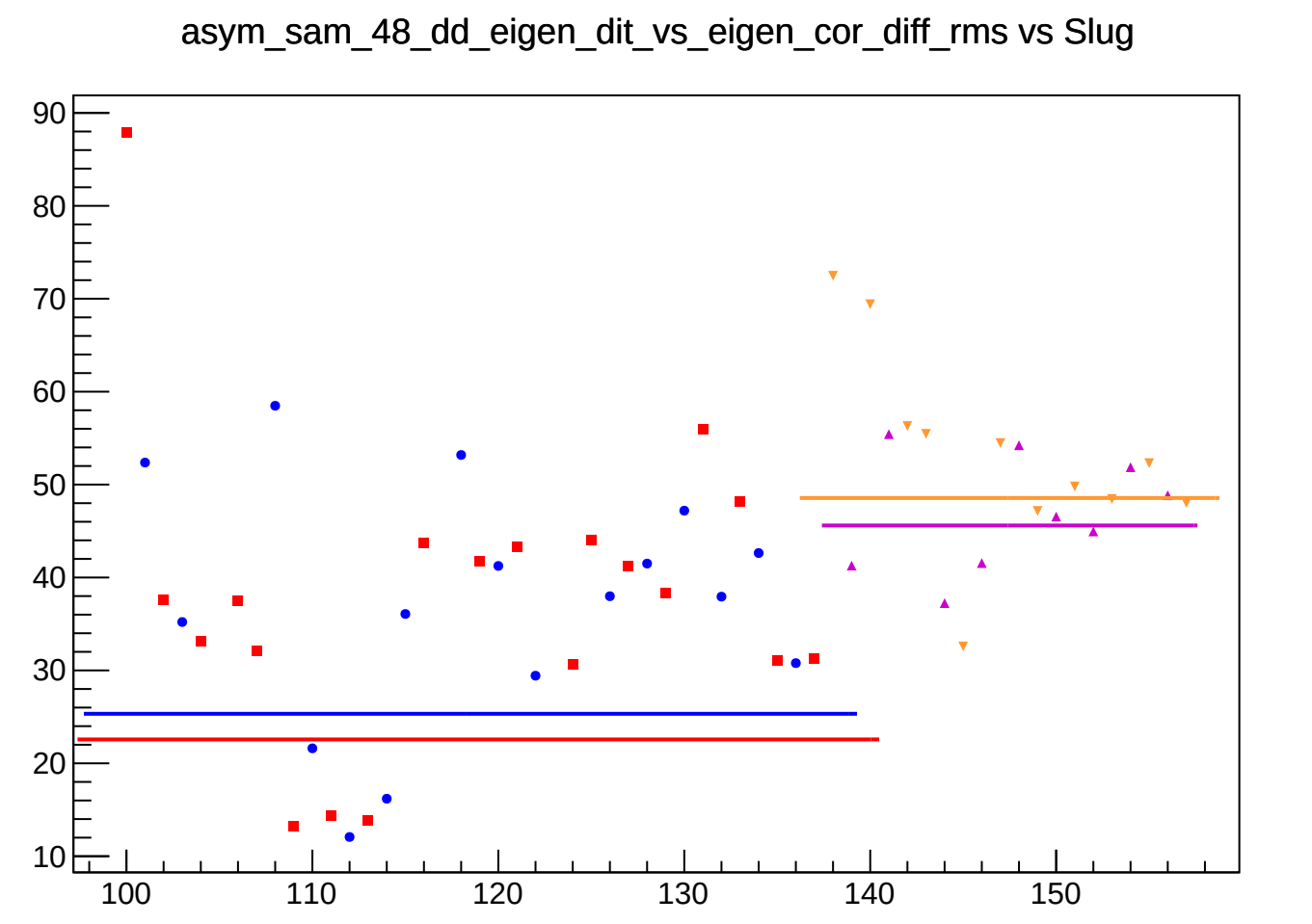
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.023+/-0.017 χ^2/NDF:10.4/8

+ sign 0.016+/-0.009 χ^2/NDF: 37.1/26

All: 0.009+/-0.006 χ^2/NDF: 66.0/54

- sign 0.002+/-0.008 χ^2/NDF: 27.7/27



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.556+/-0.012 χ^2/NDF:738454.9/10

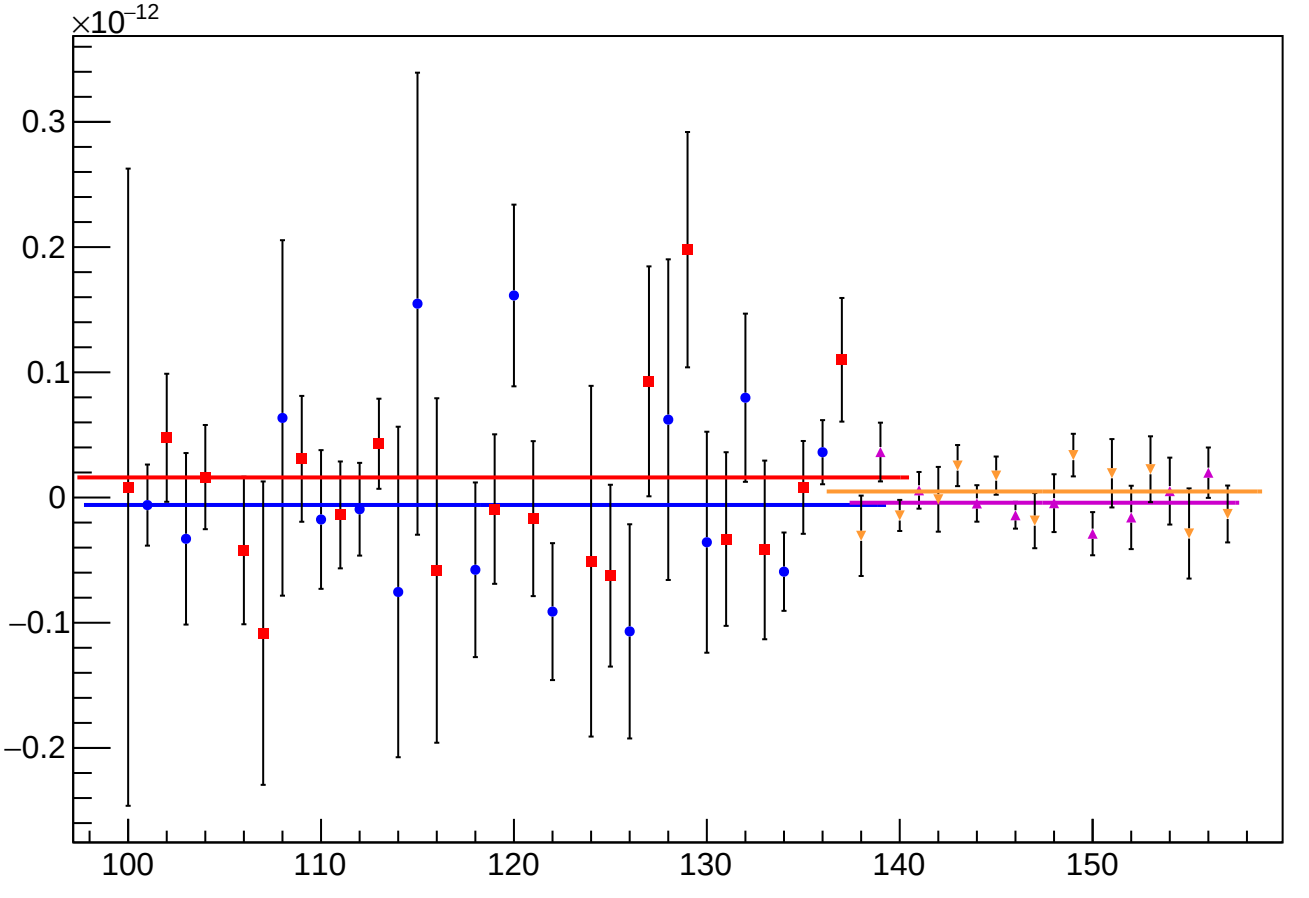
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.599+/-0.012 χ^2/NDF:241048.6/8

+ sign 32.178+/-0.007 χ^2/NDF: 6259177.2/26

All: 30.100+/-0.004 χ^2/NDF: 12603510.4/54

- sign 28.371+/-0.006 χ^2/NDF: 6161199.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/10

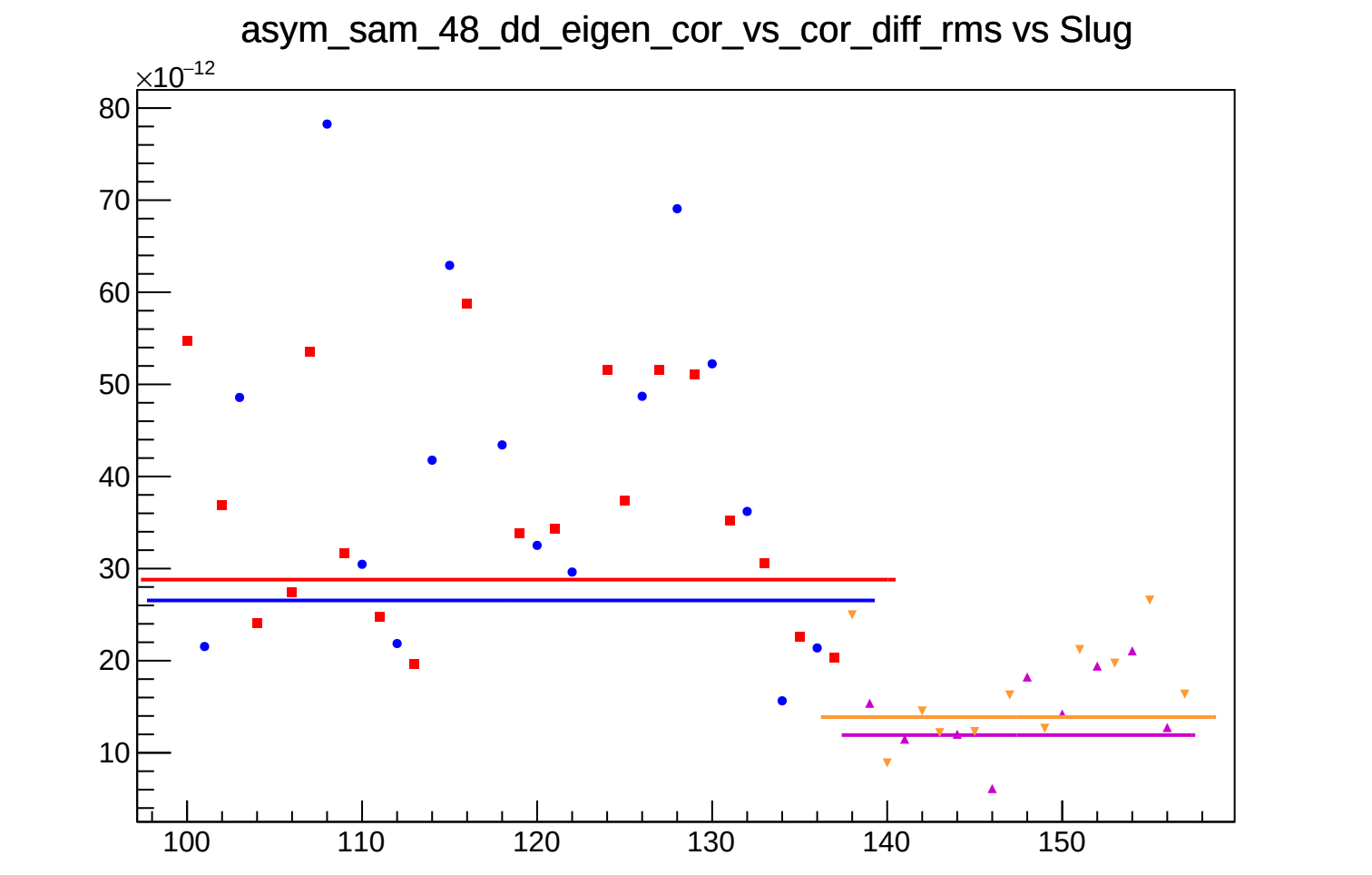
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/8

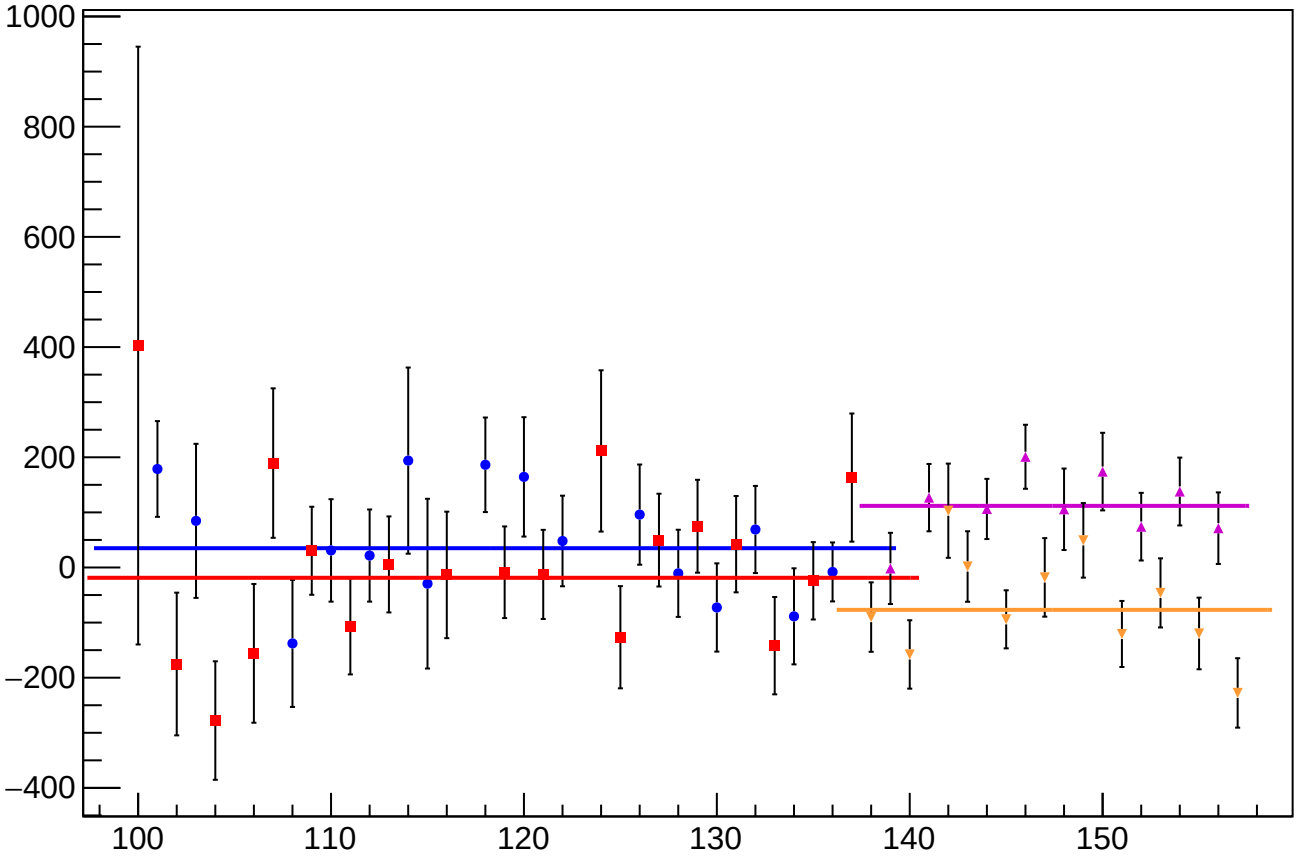
+ sign 0.000+/-0.000 χ^2/NDF: 31.6/26

All: 0.000+/-0.000 χ^2/NDF: 56.9/54

- sign -0.000+/-0.000 χ^2/NDF: 25.1/27


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1154508.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1232031.2/8
+ sign 0.000+/-0.000 χ²/NDF: 4472507.7/26
All: 0.000+/-0.000 χ²/NDF: 9426672.5/54
- sign 0.000+/-0.000 χ²/NDF: 4862869.3/27

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.870+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

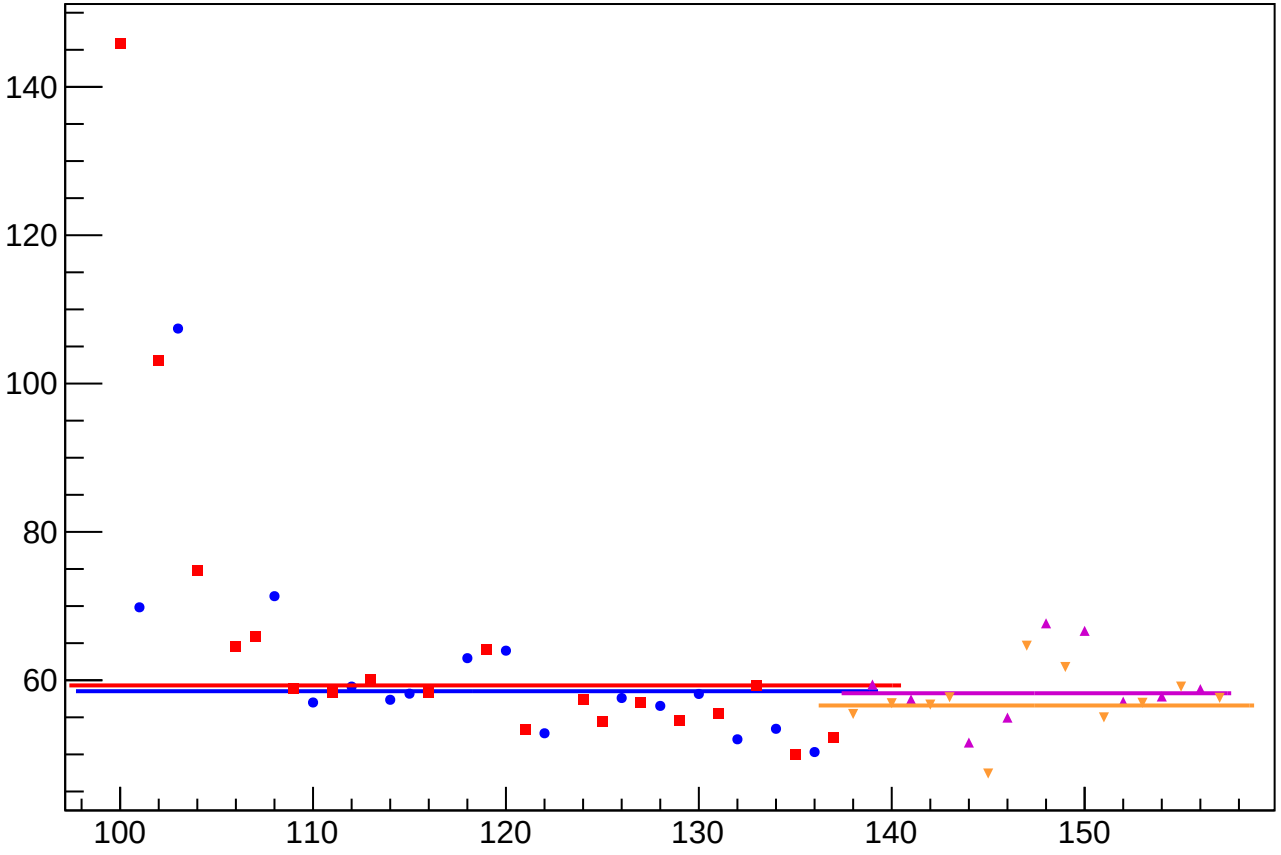
Left In: 111.832+/-20.898 χ^2/NDF:7.2/8

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 9.129+/-10.506 χ^2/NDF: 112.8/54

- sign 50.324+/-15.196 χ^2/NDF: 49.1/27

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.597+/-0.014 χ^2/NDF:104321.9/10

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

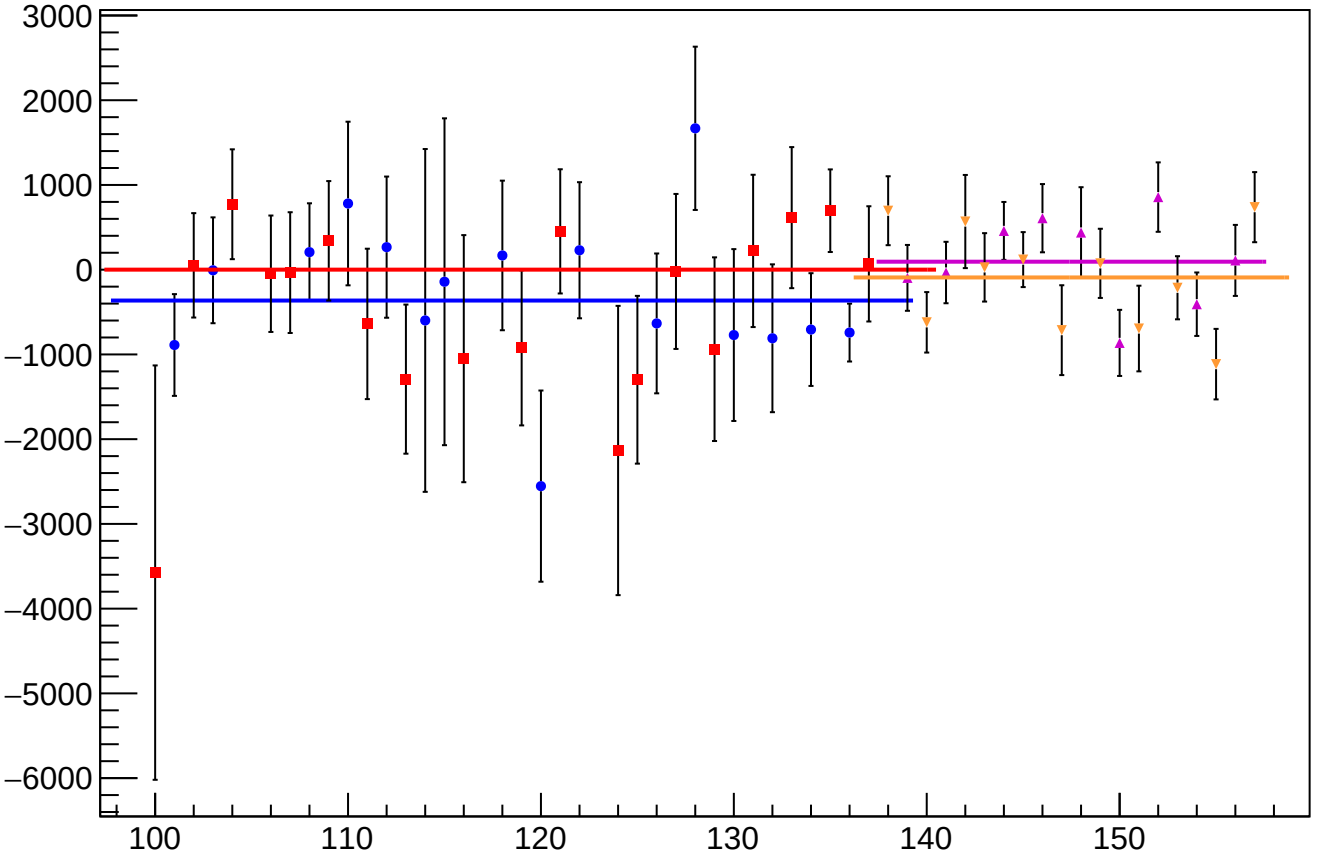
Left In: 58.246+/-0.015 χ^2/NDF:99045.9/8

+ sign 57.428+/-0.010 χ^2/NDF: 505660.8/26

All: 58.056+/-0.007 χ^2/NDF: 1021549.0/54

- sign 58.743+/-0.011 χ^2/NDF: 508059.1/27

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.475+/-123.891 χ^2/NDF:21.0/10

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

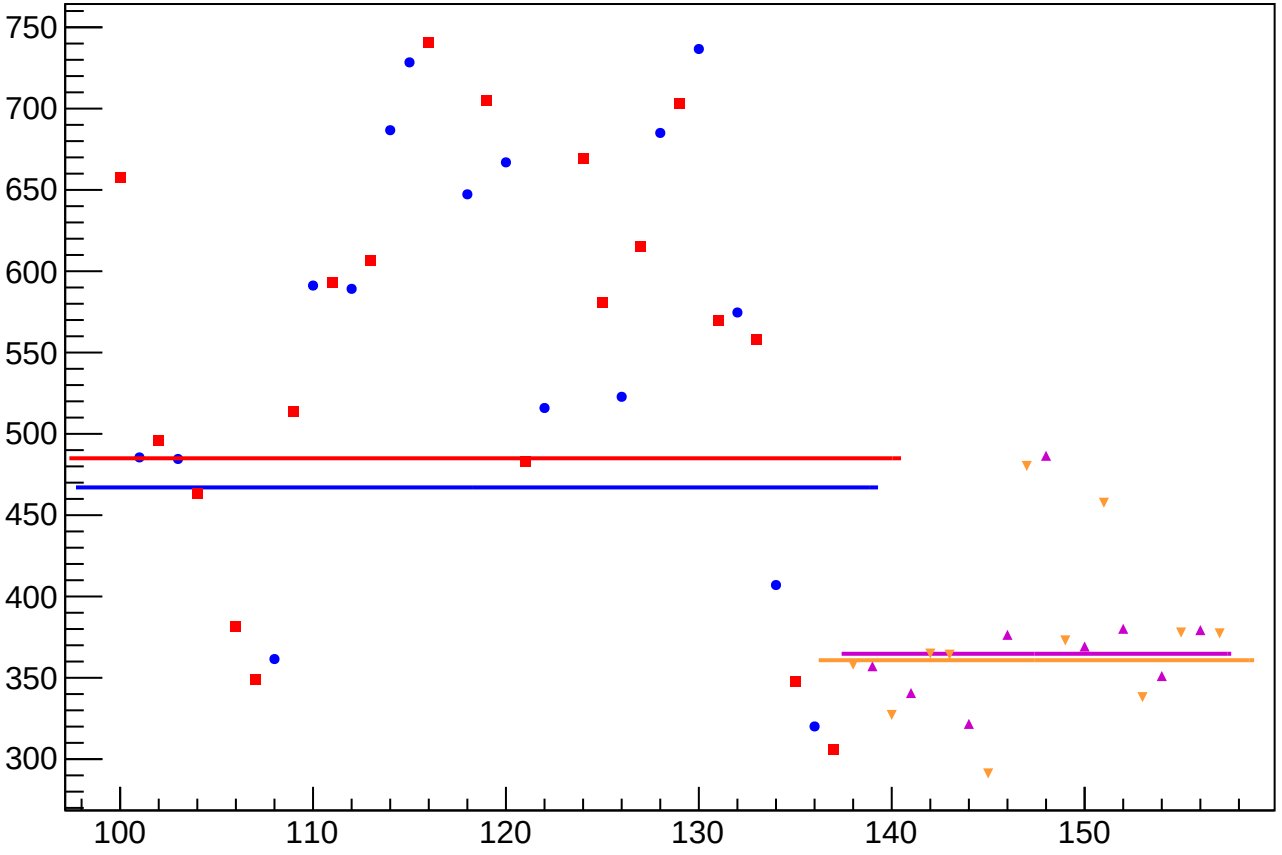
Left In: 94.359+/-131.516 χ^2/NDF:14.8/8

+ sign -178.707+/-102.163 χ^2/NDF: 37.8/26

All: -63.500+/-73.830 χ^2/NDF: 70.6/54

- sign 62.436+/-106.814 χ^2/NDF: 30.1/27

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 360.814+/-0.088 χ^2/NDF:300917.7/10

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

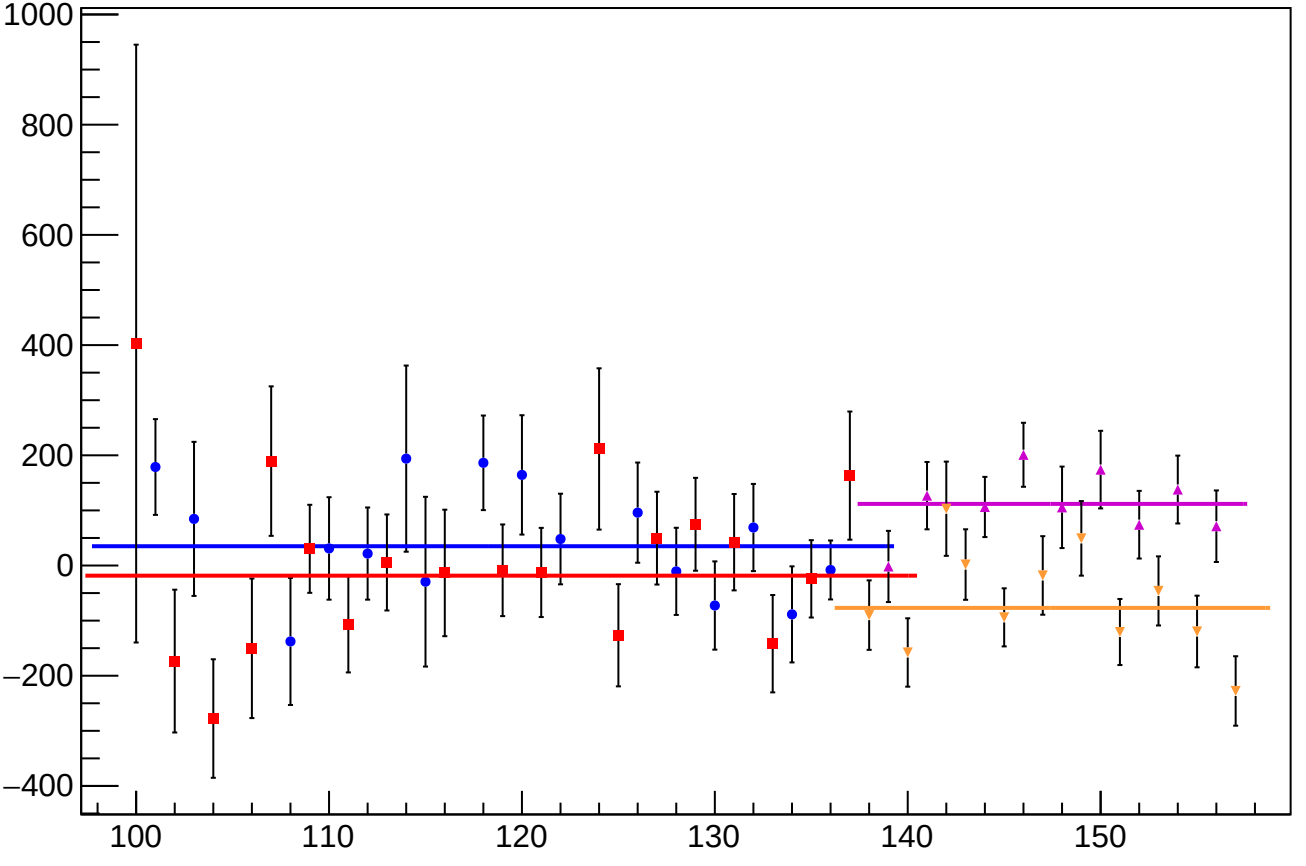
Left In: 364.784+/-0.093 χ^2/NDF:154863.9/8

\+ sign 394.815+/-0.072 χ^2/NDF: 1801944.2/26

All: 400.013+/-0.052 χ^2/NDF: 3410360.4/54

\- sign 405.696+/-0.076 χ^2/NDF: 1597579.3/27

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

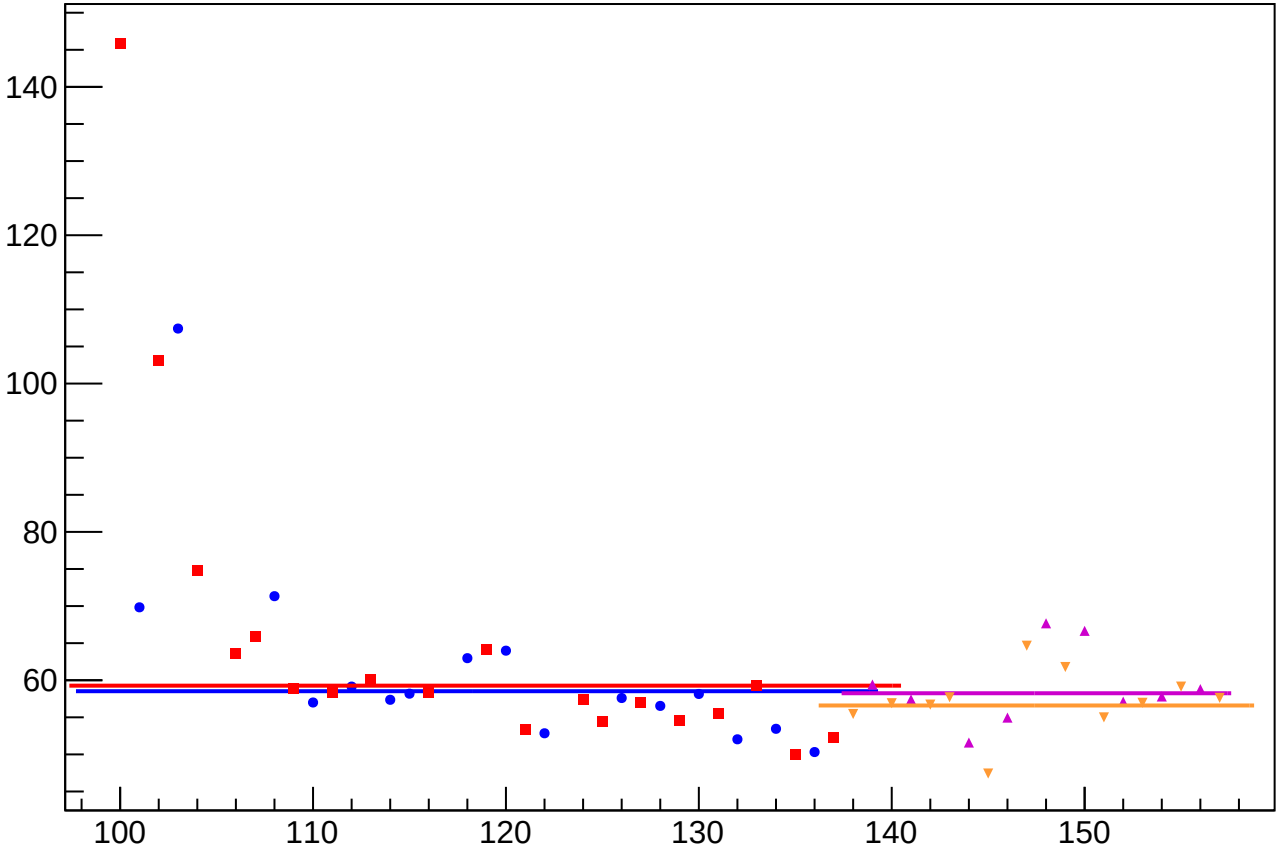
Left In: 111.832+/-20.898 χ^2/NDF:7.2/8

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 9.193+/-10.506 χ^2/NDF: 112.6/54

- sign 50.465+/-15.198 χ^2/NDF: 48.9/27

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

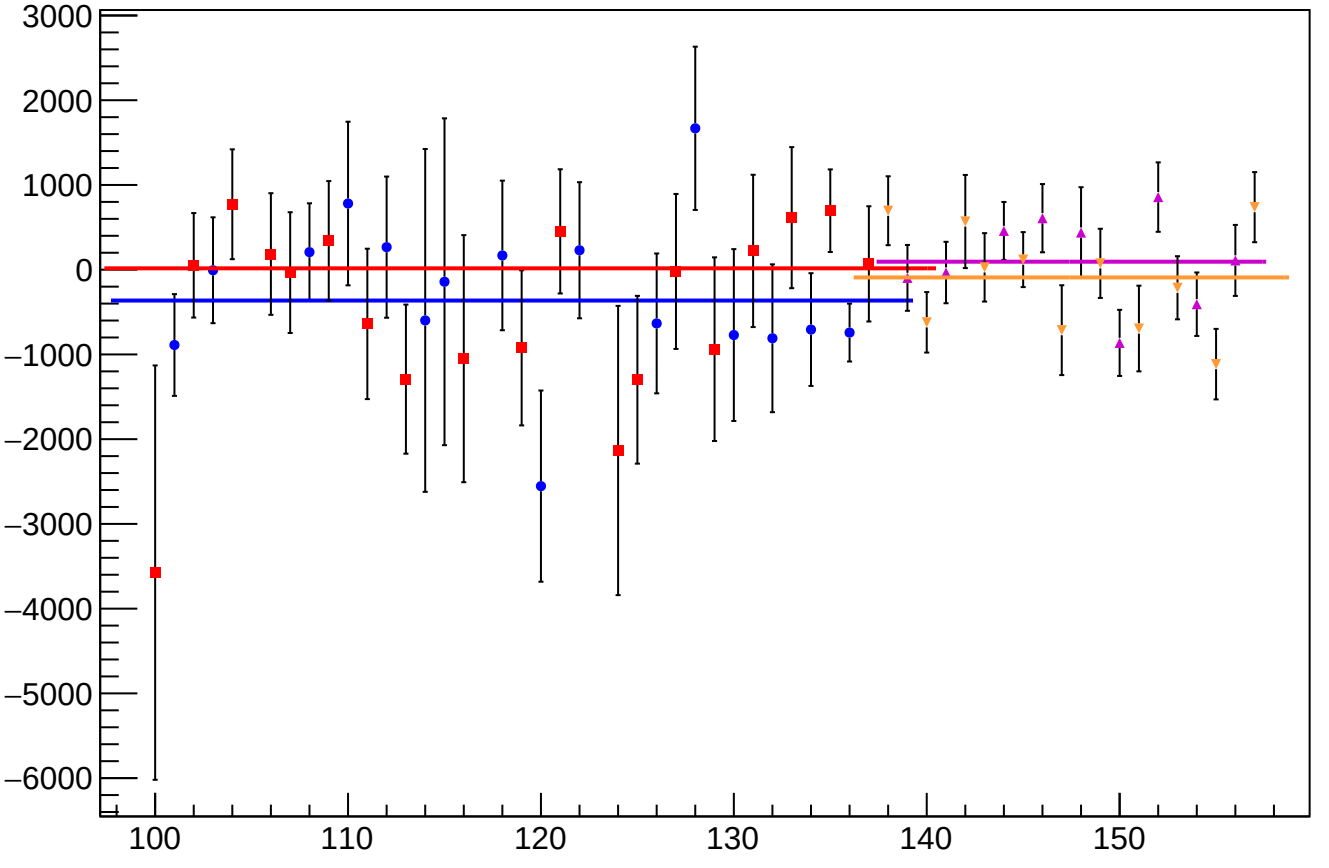
Left In: 58.246+/-0.015 χ^2/NDF:99045.9/8

+ sign 57.428+/-0.010 χ^2/NDF: 505662.9/26

All: 58.049+/-0.007 χ^2/NDF: 1020233.5/54

- sign 58.728+/-0.011 χ^2/NDF: 506920.7/27

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

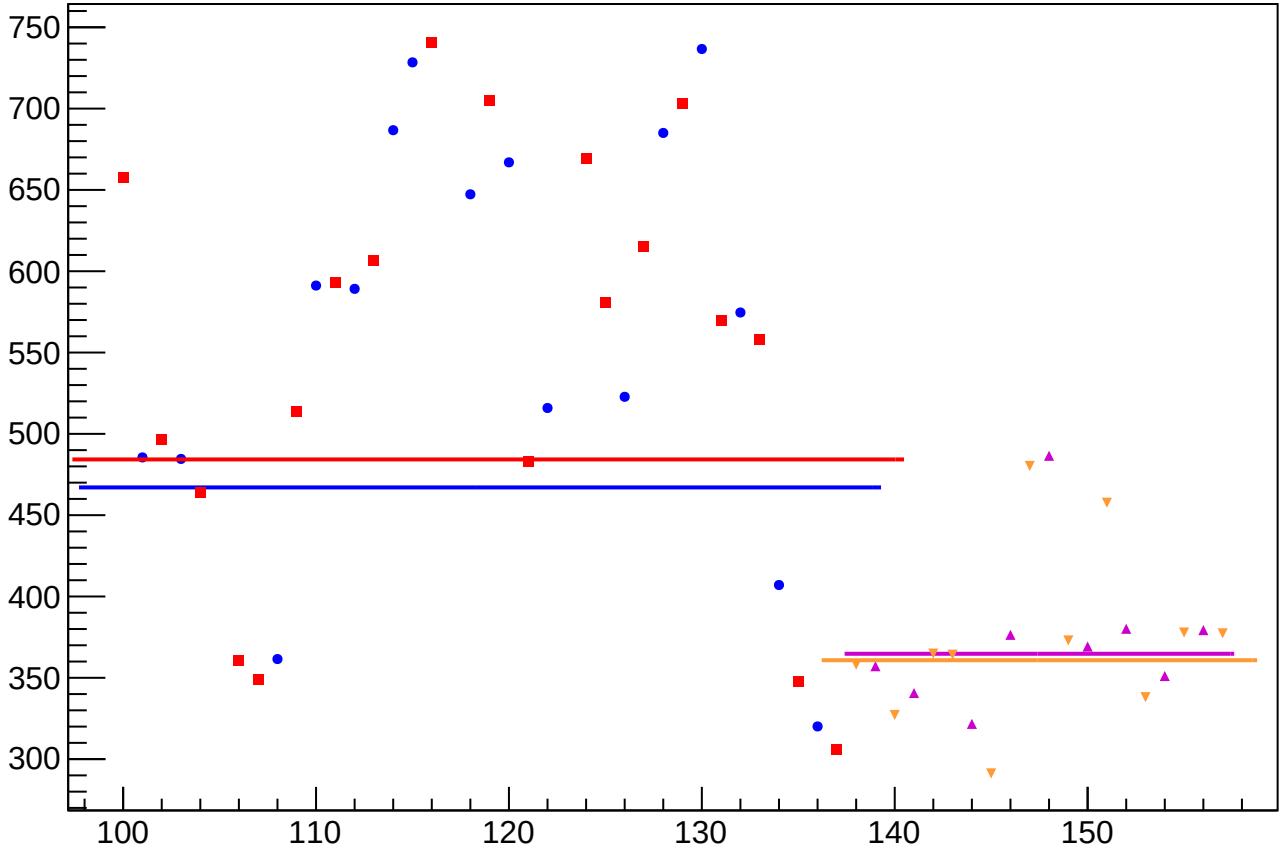
Left In: 94.358+/-131.516 χ^2/NDF:14.8/8

+ sign -178.697+/-102.163 χ^2/NDF: 37.8/26

All: -61.048+/-73.867 χ^2/NDF: 70.7/54

- sign 67.825+/-106.926 χ^2/NDF: 30.1/27

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

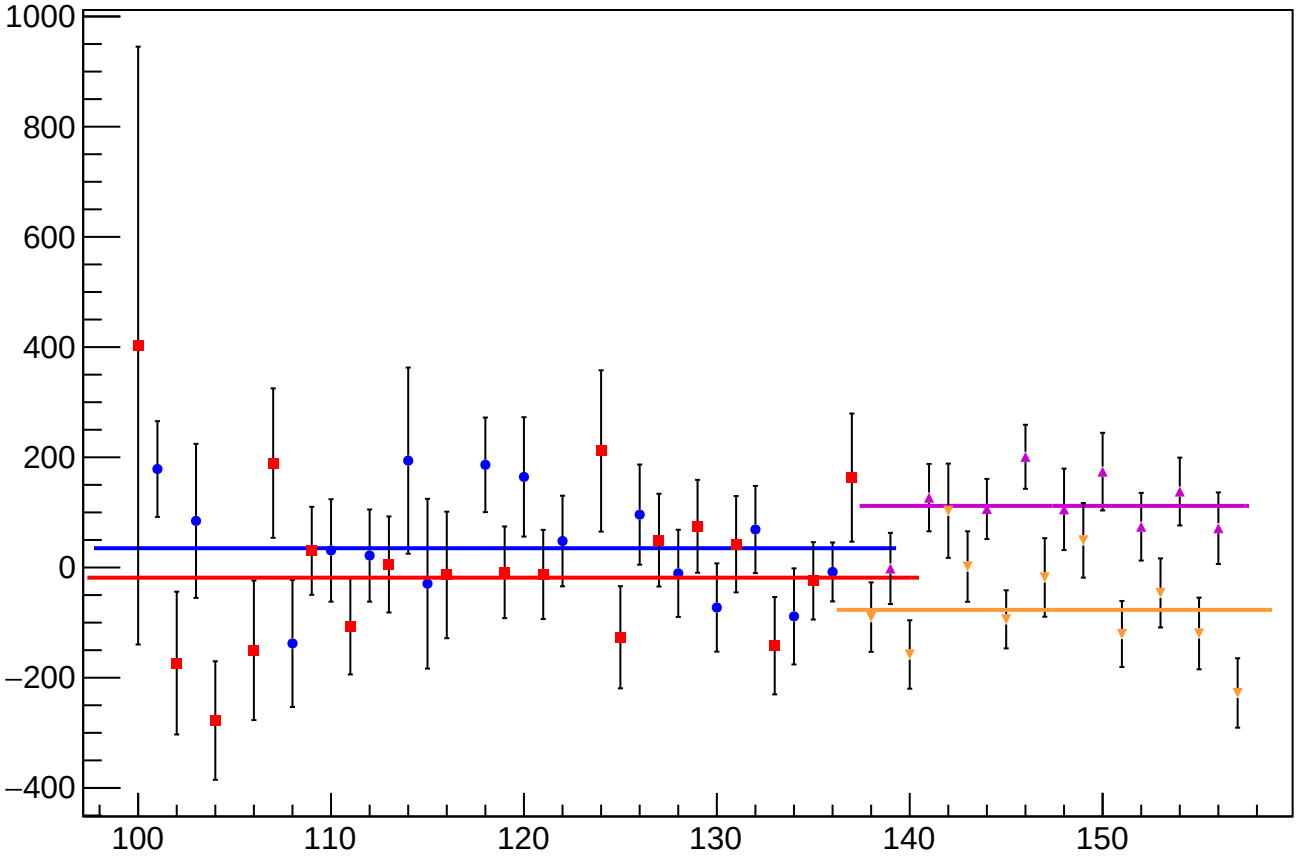
Left In: 364.784+/-0.093 χ^2/NDF:154863.3/8

+ sign 394.816+/-0.072 χ^2/NDF: 1801967.6/26

All: 399.814+/-0.052 χ^2/NDF: 3415309.7/54

- sign 405.289+/-0.076 χ^2/NDF: 1603310.9/27

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -76.868+/-19.285 χ^2/NDF:18.9/10

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

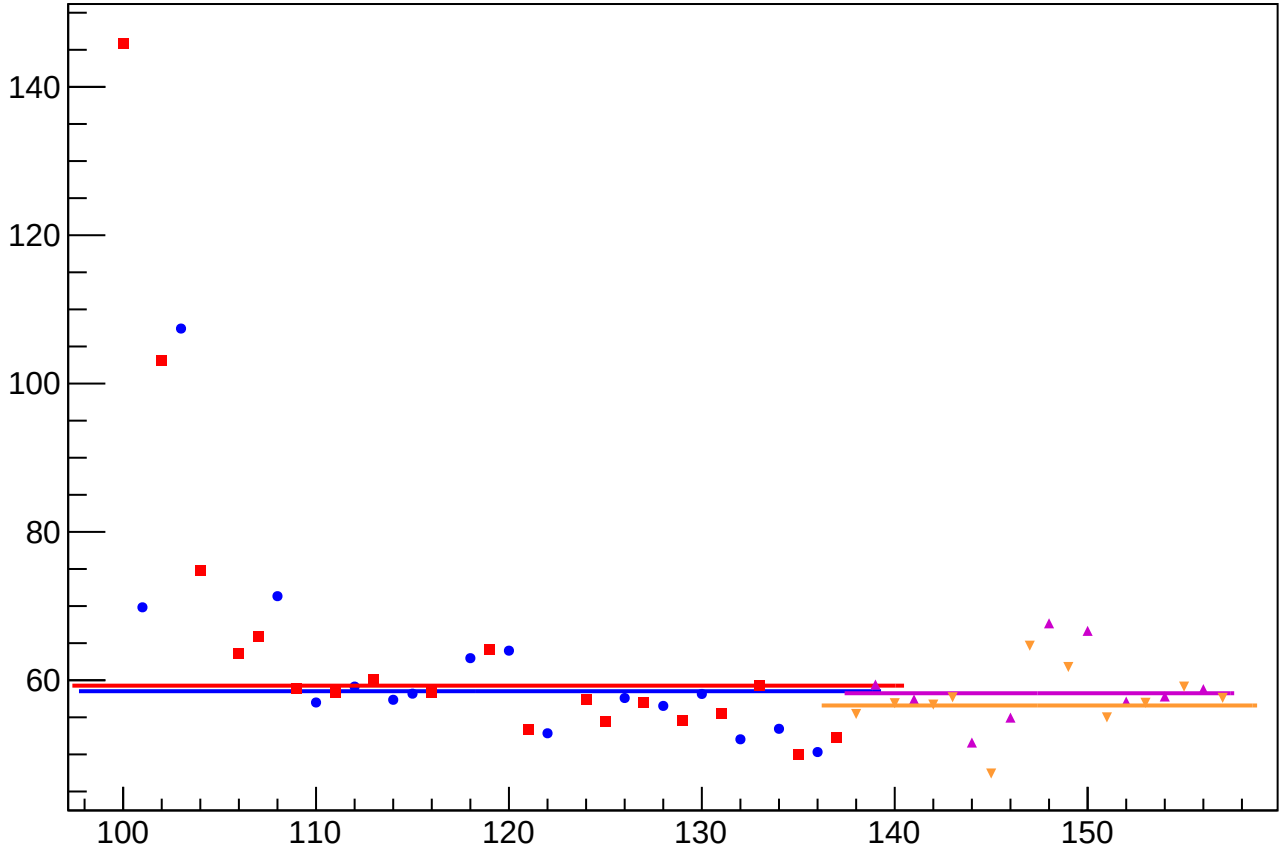
Left In: 111.832+/-20.898 χ^2/NDF:7.2/8

+ sign -28.586+/-14.540 χ^2/NDF: 49.6/26

All: 9.193+/-10.506 χ^2/NDF: 112.6/54

- sign 50.465+/-15.198 χ^2/NDF: 48.9/27

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.597+/-0.014 χ^2/NDF:104322.0/10

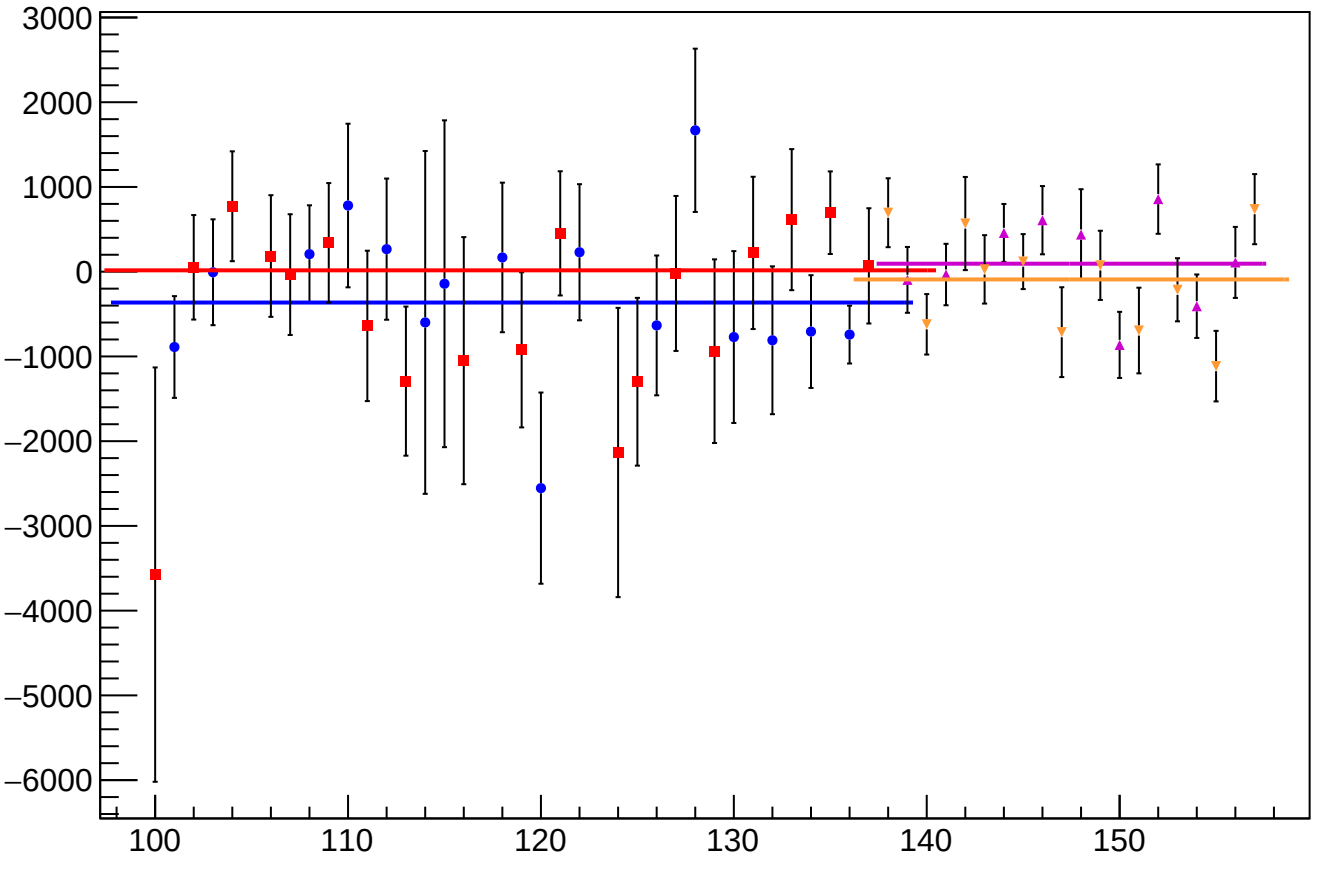
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.246+/-0.015 χ^2/NDF:99045.9/8

+ sign 57.428+/-0.010 χ^2/NDF: 505662.9/26

All: 58.049+/-0.007 χ^2/NDF: 1020233.5/54

- sign 58.728+/-0.011 χ^2/NDF: 506920.7/27



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.478+/-123.891 χ^2/NDF:21.0/10

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

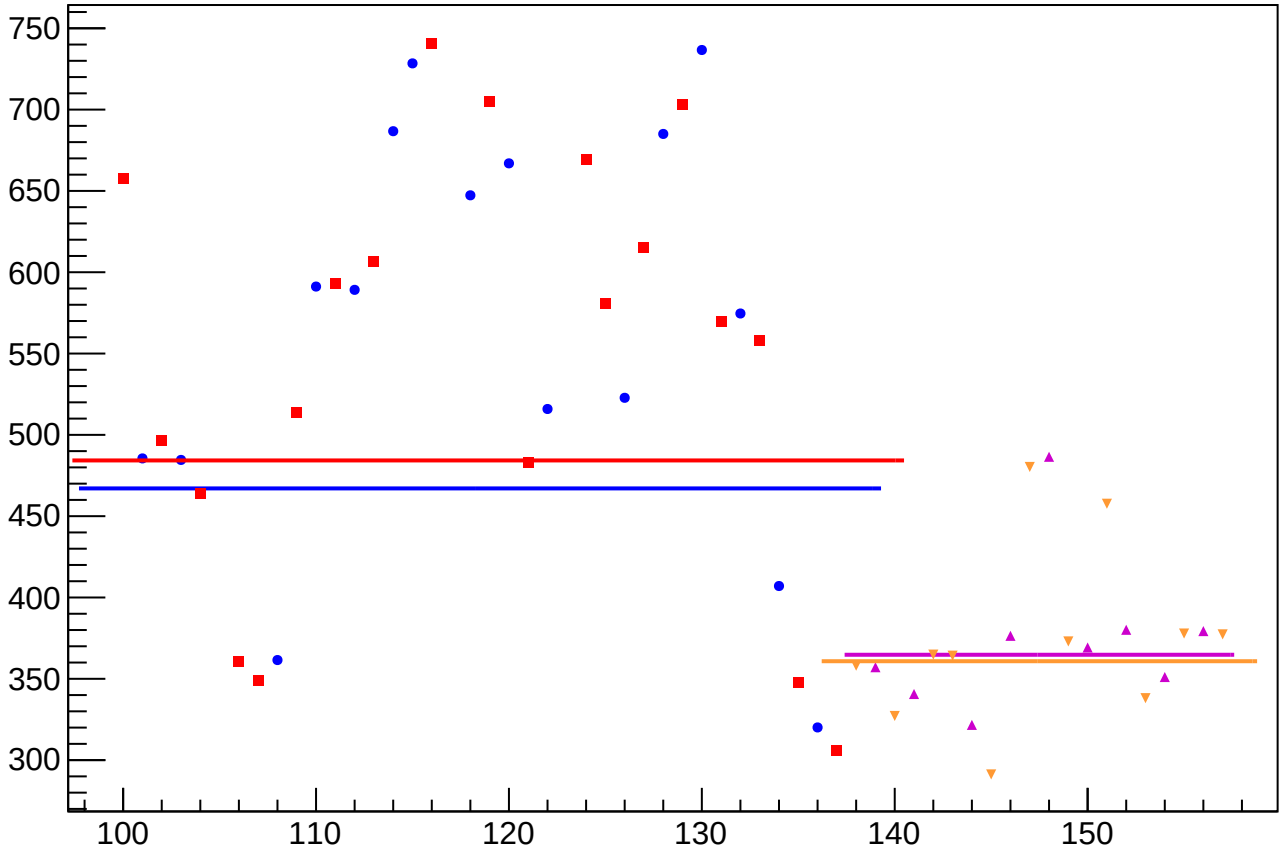
Left In: 94.358+/-131.516 χ^2/NDF:14.8/8

+ sign -178.697+/-102.163 χ^2/NDF: 37.8/26

All: -61.048+/-73.867 χ^2/NDF: 70.7/54

- sign 67.825+/-106.926 χ^2/NDF: 30.1/27

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 360.814+/-0.088 χ^2/NDF:300919.1/10

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

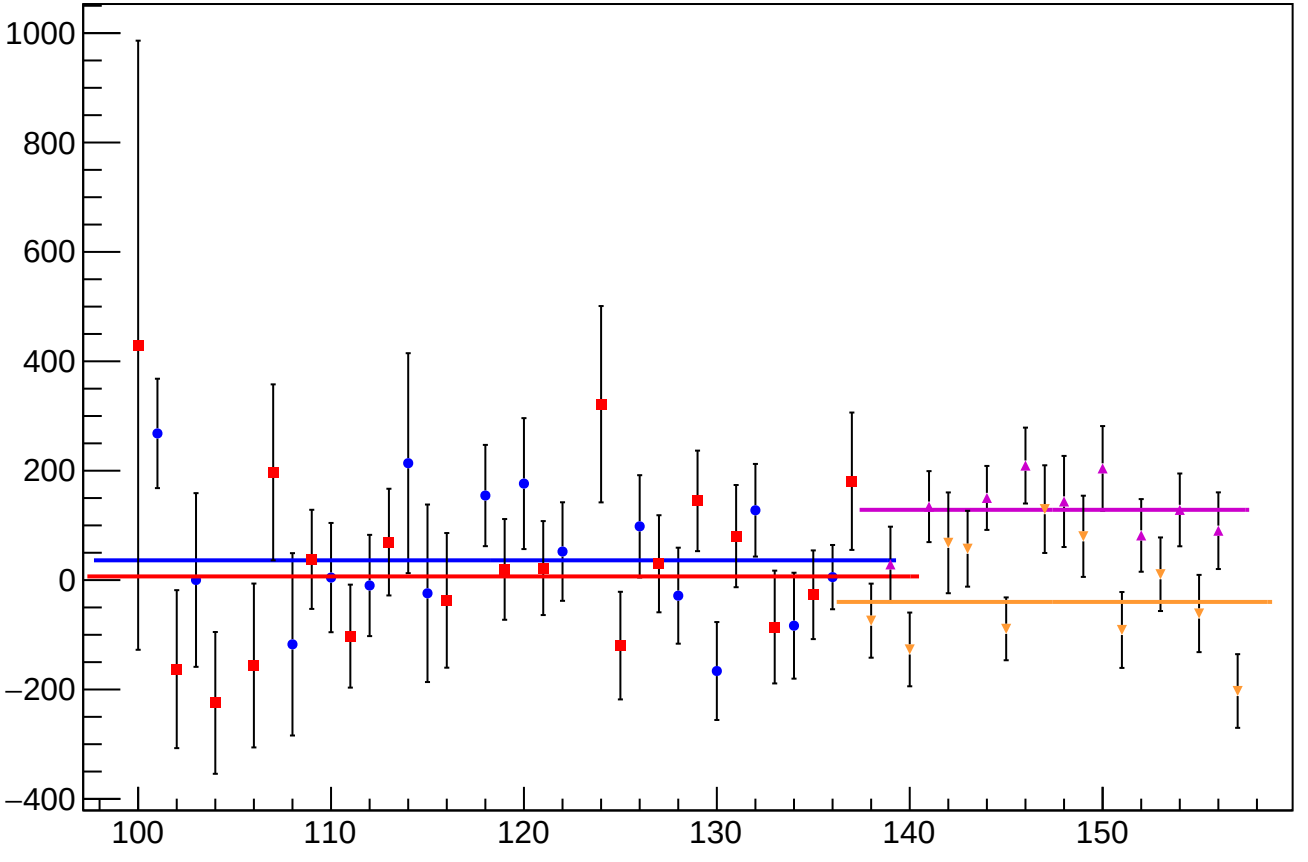
Left In: 364.784+/-0.093 χ^2/NDF:154863.3/8

\+ sign 394.816+/-0.072 χ^2/NDF: 1801967.6/26

All: 399.814+/-0.052 χ^2/NDF: 3415309.7/54

\- sign 405.289+/-0.076 χ^2/NDF: 1603310.9/27

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.891+/-21.063 χ^2/NDF:20.1/10

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

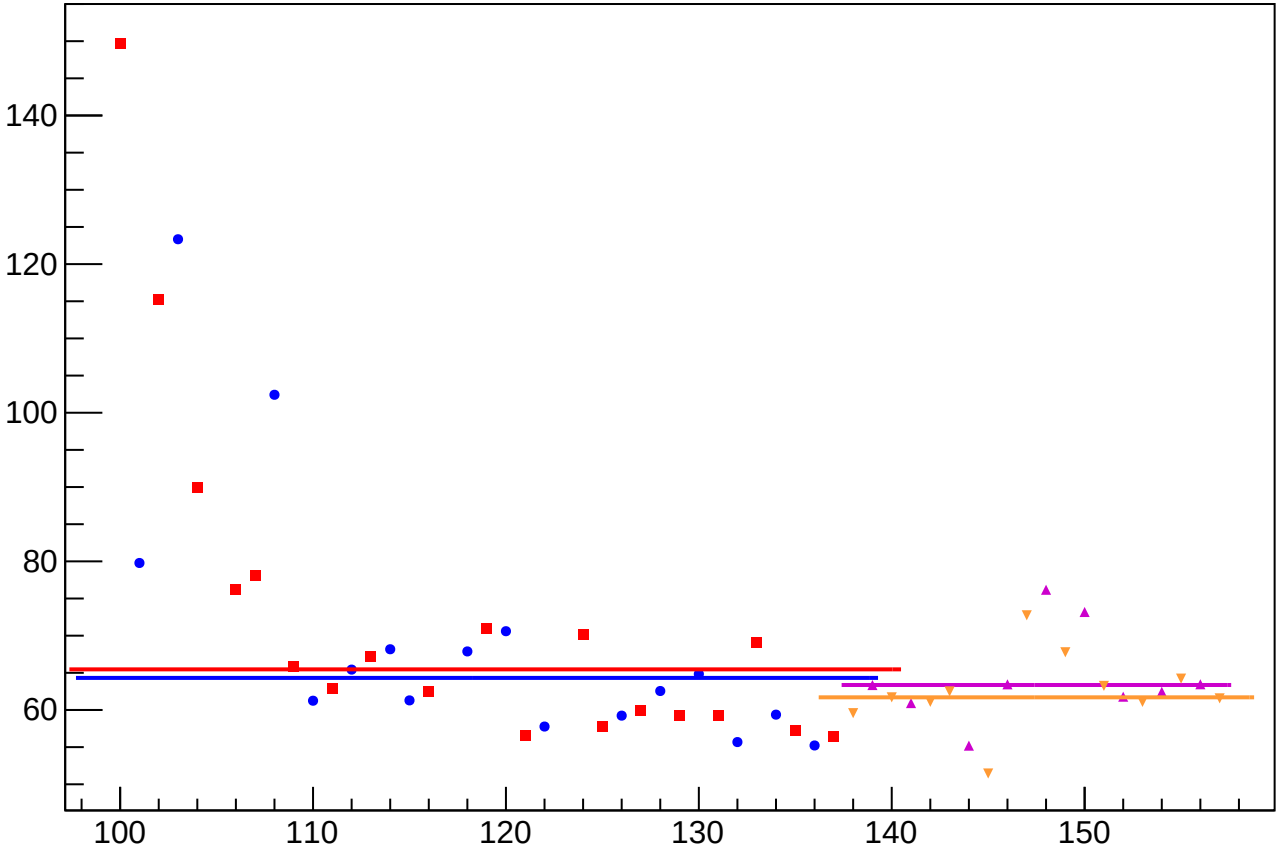
Left In: 128.489+/-22.847 χ^2/NDF:5.4/8

\+ sign -7.527+/-15.964 χ^2/NDF: 45.3/26

All: 30.383+/-11.550 χ^2/NDF: 96.1/54

\- sign 72.017+/-16.730 χ^2/NDF: 38.9/27

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.702+/-0.015 χ^2/NDF:120989.1/10

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

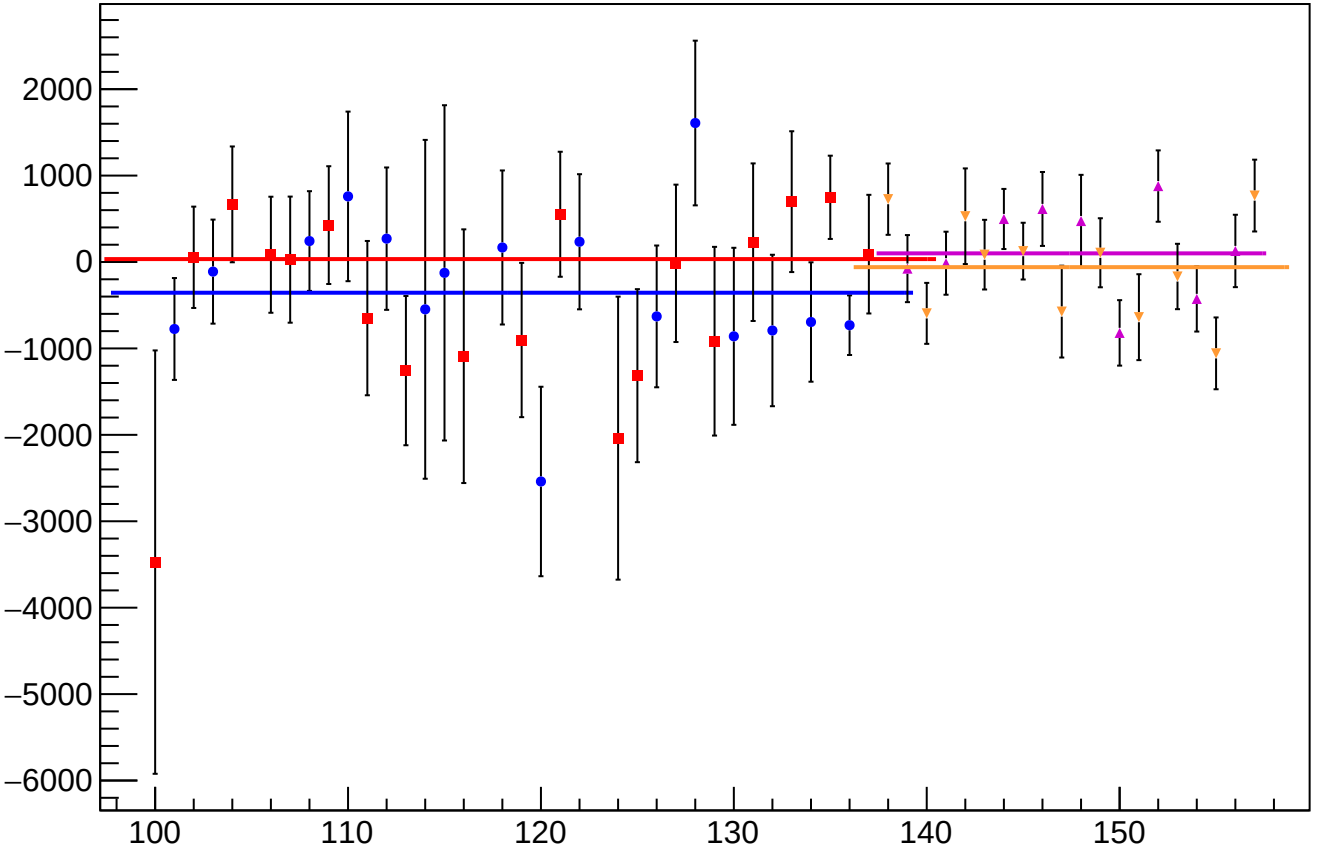
Left In: 63.362+/-0.016 χ^2/NDF:122914.2/8

+ sign 62.814+/-0.011 χ^2/NDF: 666168.5/26

All: 63.541+/-0.008 χ^2/NDF: 1287991.6/54

- sign 64.338+/-0.012 χ^2/NDF: 613140.4/27

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -59.541+/-123.996 χ^2/NDF:19.8/10

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

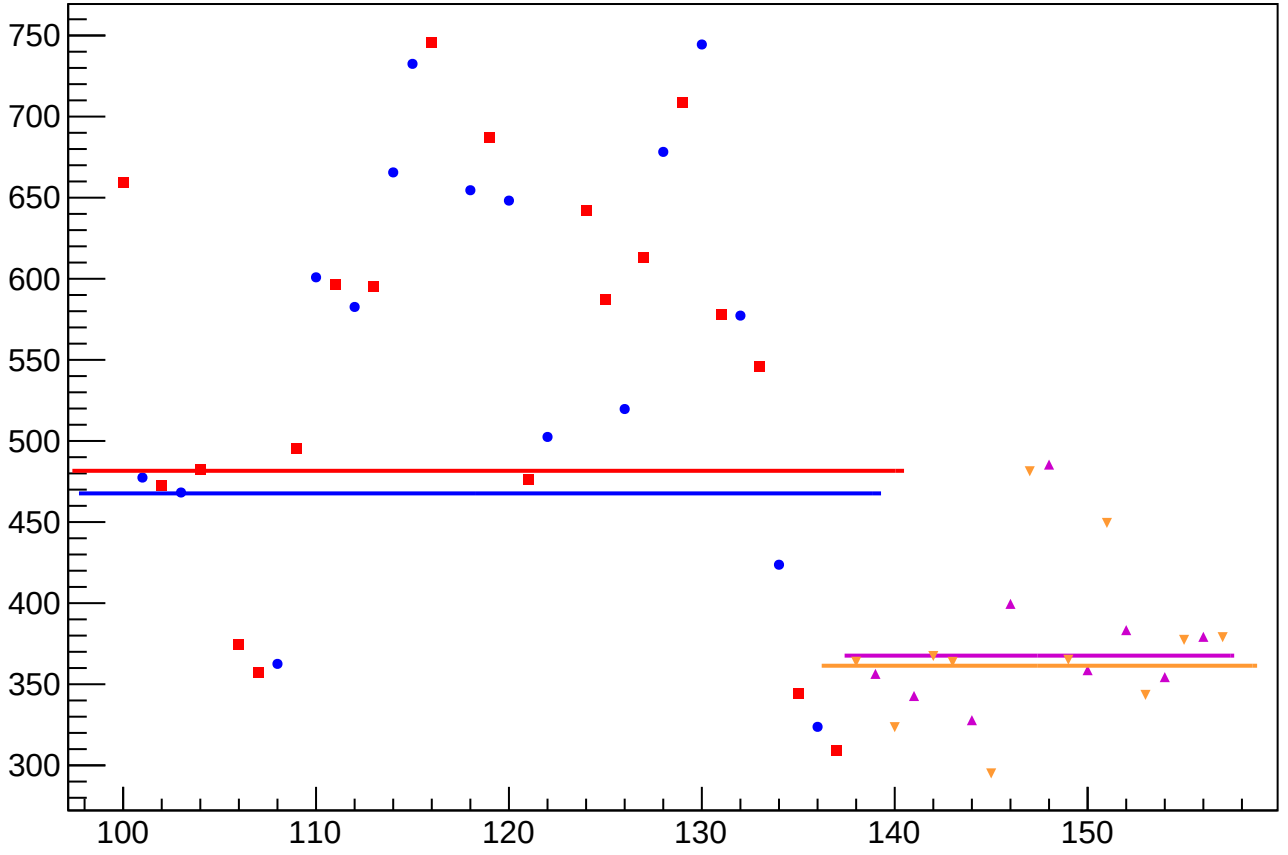
Left In: 100.090+/-132.529 χ^2/NDF:15.0/8

+ sign -154.556+/-102.173 χ^2/NDF: 36.4/26

All: -44.146+/-73.910 χ^2/NDF: 69.3/54

- sign 77.043+/-107.045 χ^2/NDF: 30.4/27

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 361.418+/-0.088 χ^2/NDF:281025.9/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

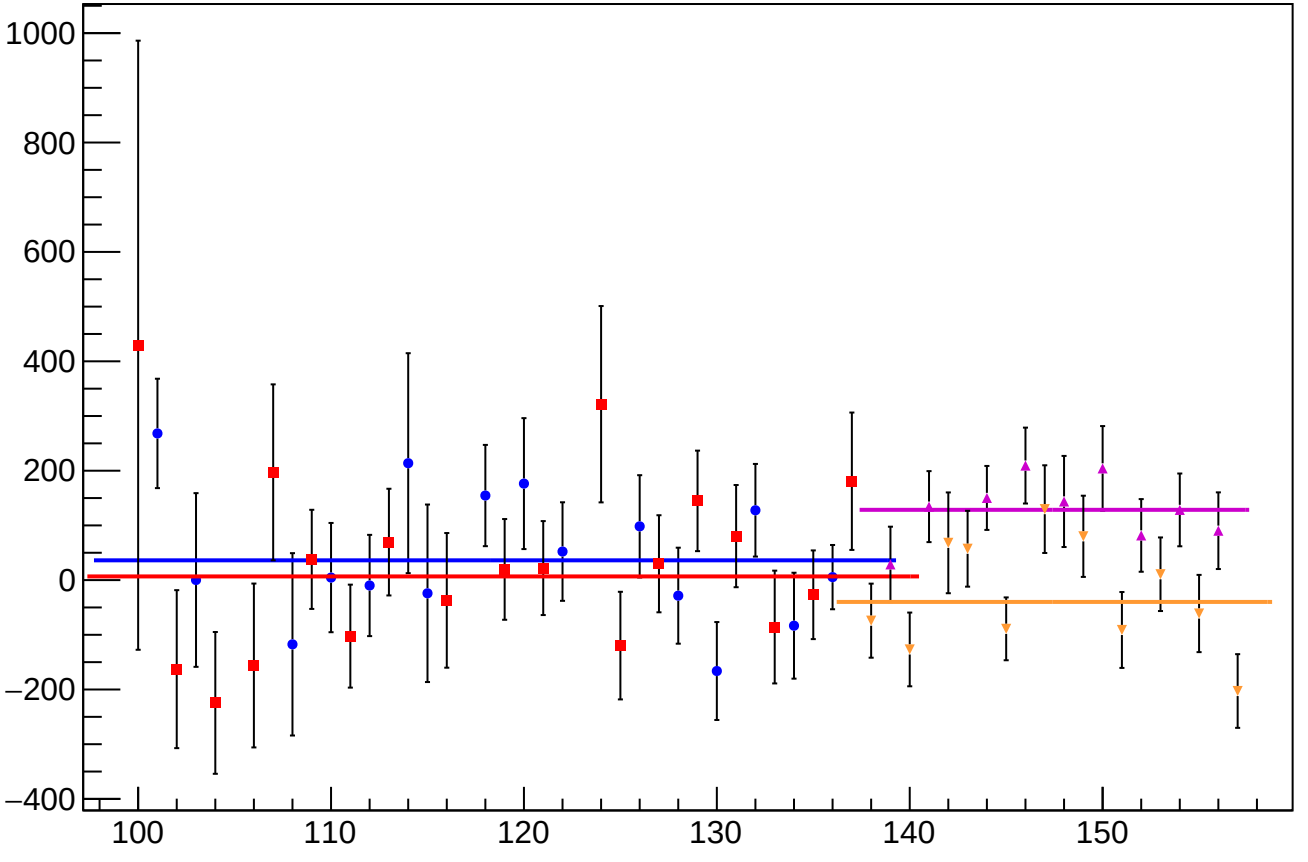
Left In: 367.640+/-0.094 χ^2/NDF:153588.5/8

\+ sign 395.528+/-0.072 χ^2/NDF: 1738427.3/26

All: 401.118+/-0.052 χ^2/NDF: 3272889.3/54

\- sign 407.253+/-0.076 χ^2/NDF: 1521904.2/27

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -39.890+/-21.063 χ^2/NDF:20.1/10

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

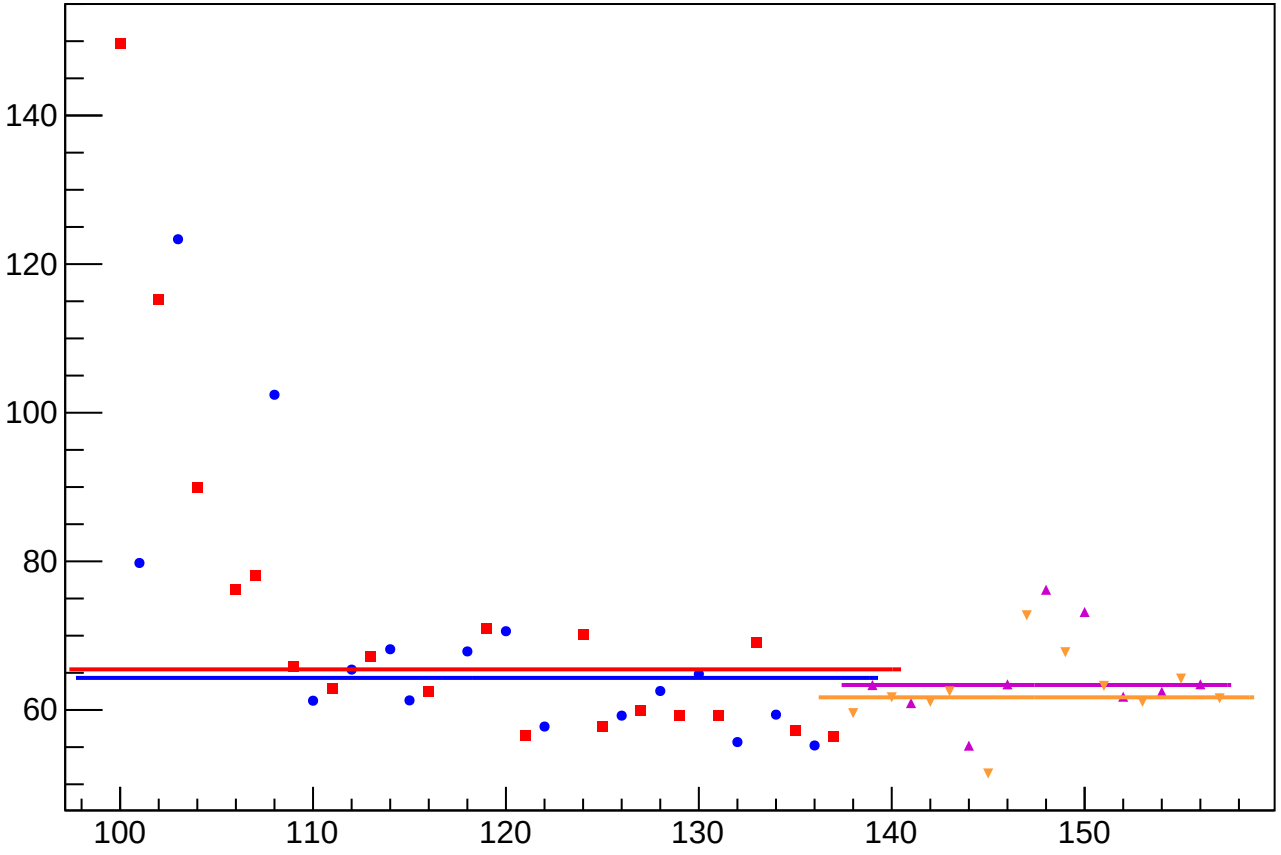
Left In: 128.489+/-22.847 χ^2/NDF:5.4/8

+ sign -7.526+/-15.964 χ^2/NDF: 45.3/26

All: 30.383+/-11.550 χ^2/NDF: 96.1/54

- sign 72.016+/-16.730 χ^2/NDF: 38.9/27

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.702+/-0.015 χ^2/NDF:120992.3/10

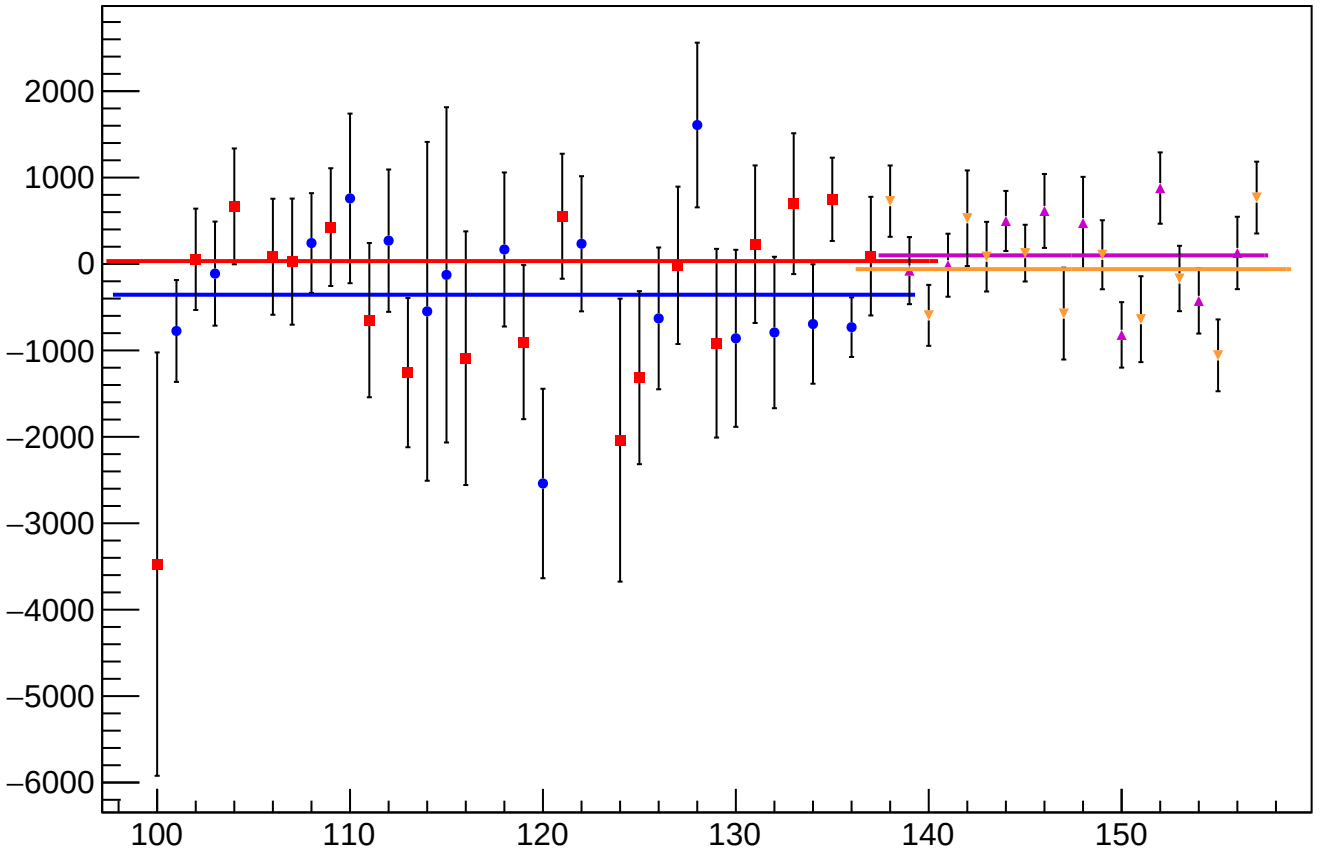
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.362+/-0.016 χ^2/NDF:122916.3/8

+ sign 62.814+/-0.011 χ^2/NDF: 666177.8/26

All: 63.541+/-0.008 χ^2/NDF: 1288007.2/54

- sign 64.338+/-0.012 χ^2/NDF: 613146.9/27



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -59.540+/-123.996 χ^2/NDF:19.8/10

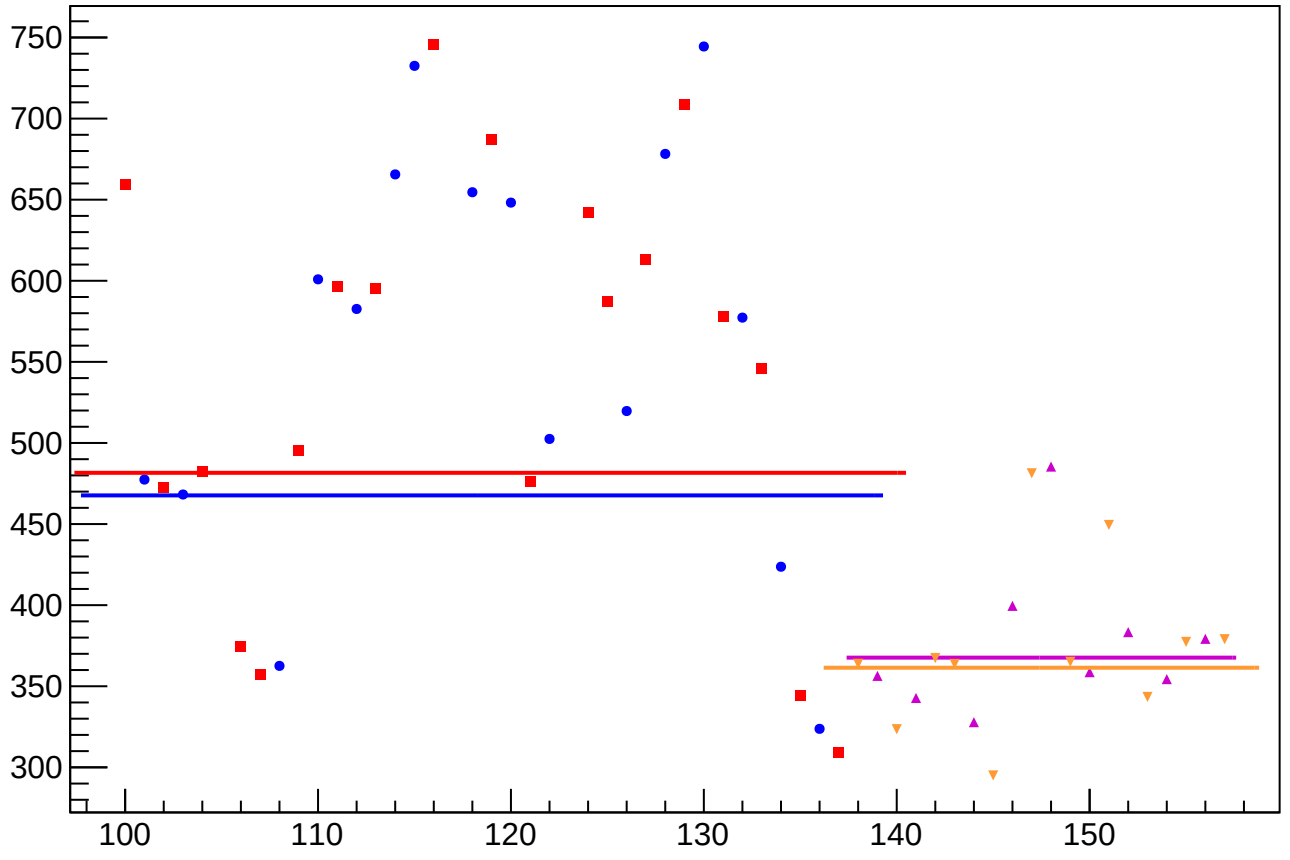
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 100.091+/-132.529 χ^2/NDF:15.0/8

+ sign -154.556+/-102.173 χ^2/NDF: 36.4/26

All: -44.146+/-73.910 χ^2/NDF: 69.3/54

- sign 77.043+/-107.045 χ^2/NDF: 30.4/27



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 361.419+/-0.088 χ^2/NDF:281025.4/10

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

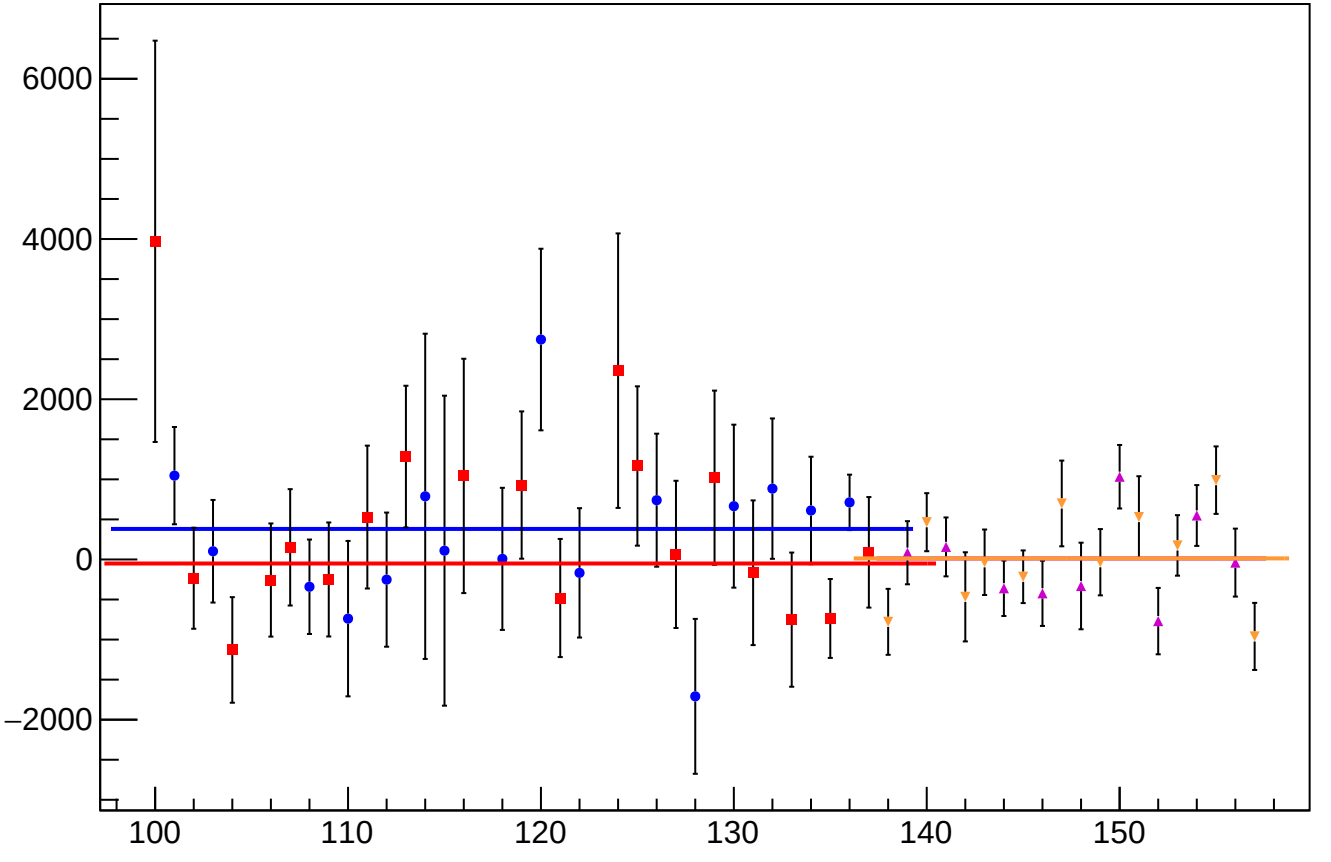
Left In: 367.641+/-0.094 χ^2/NDF:153588.0/8

+ sign 395.528+/-0.072 χ^2/NDF: 1738422.1/26

All: 401.118+/-0.052 χ^2/NDF: 3272874.4/54

- sign 407.253+/-0.076 χ^2/NDF: 1521894.5/27

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 13.279+/-125.461 χ^2/NDF:20.2/10

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

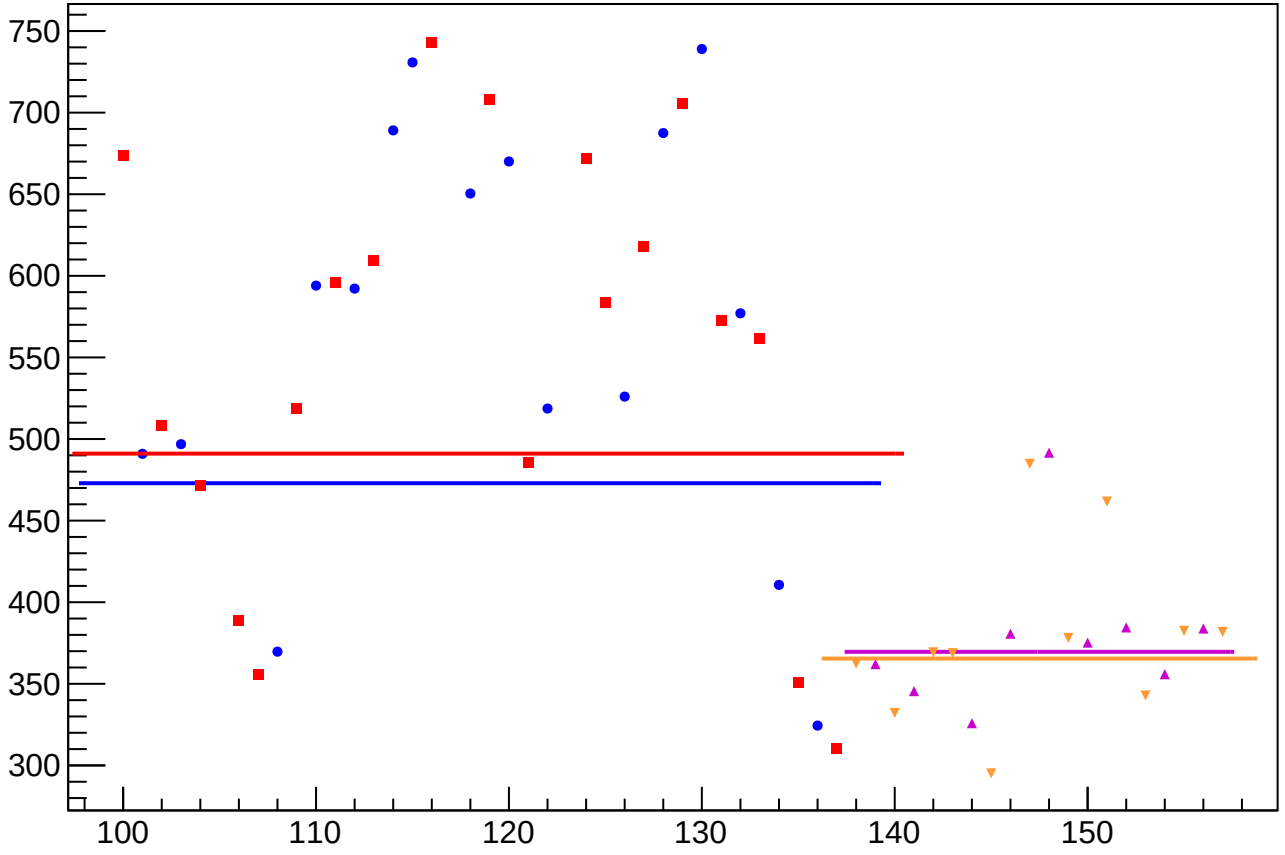
Left In: 12.356+/-133.230 χ^2/NDF:15.1/8

+ sign 131.183+/-103.416 χ^2/NDF: 39.1/26

All: 64.220+/-74.748 χ^2/NDF: 72.6/54

- sign -9.033+/-108.165 χ^2/NDF: 32.6/27

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 365.490+/-0.089 χ^2/NDF:294946.8/10

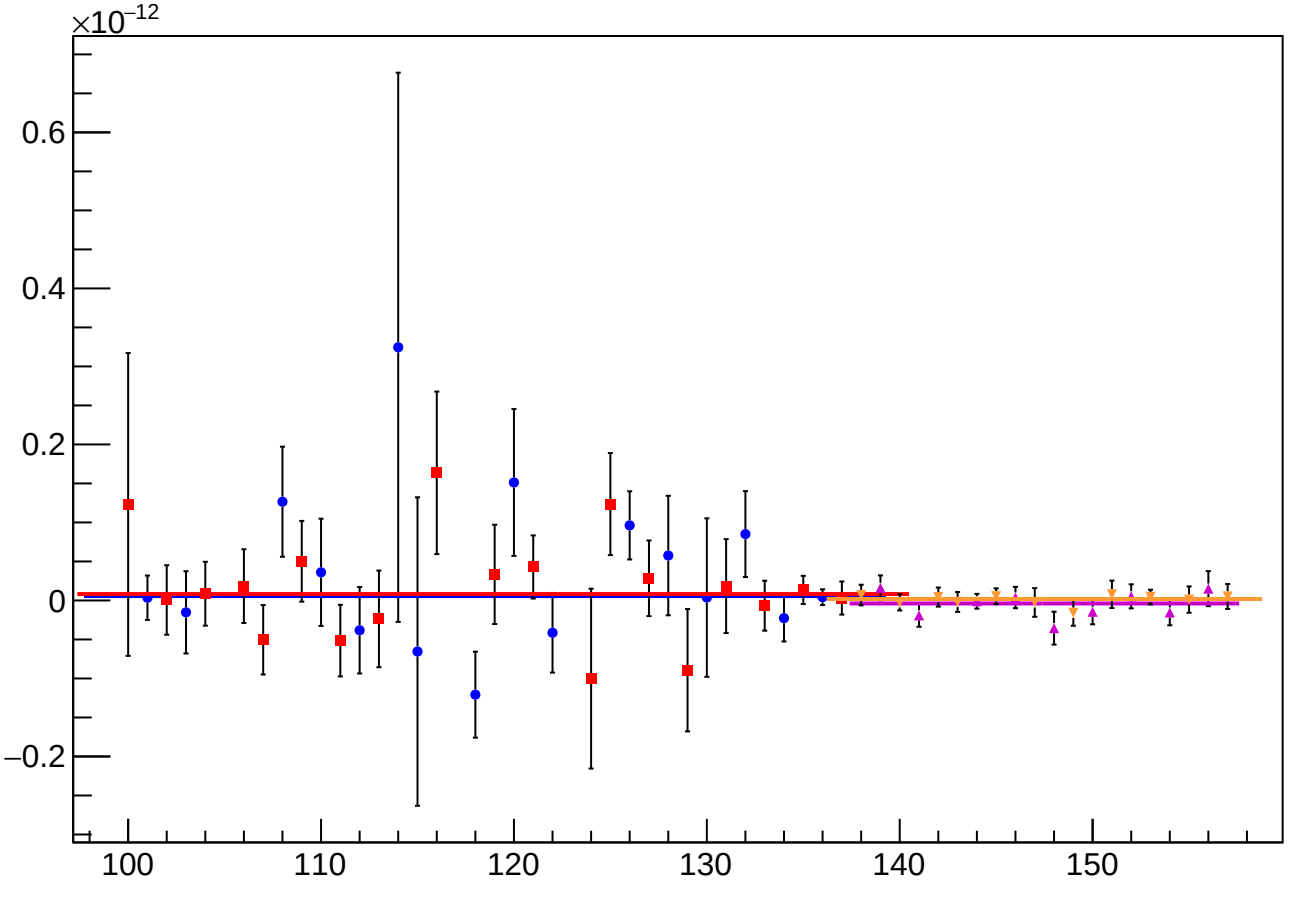
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 369.607+/-0.094 χ^2/NDF:152595.9/8

+ sign 399.929+/-0.073 χ^2/NDF: 1765334.5/26

All: 405.220+/-0.053 χ^2/NDF: 3342964.8/54

- sign 411.009+/-0.076 χ^2/NDF: 1566667.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/10

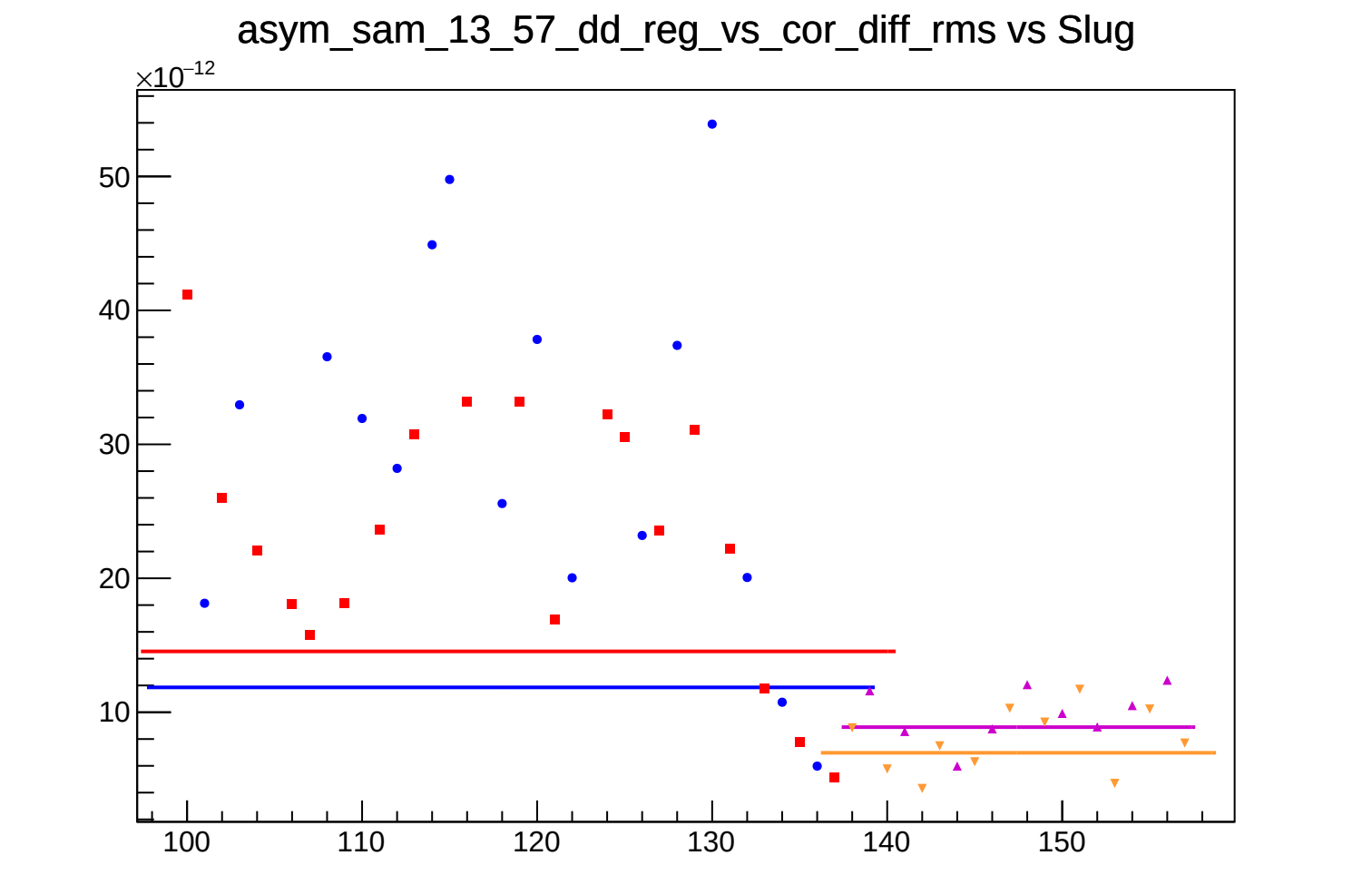
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/8

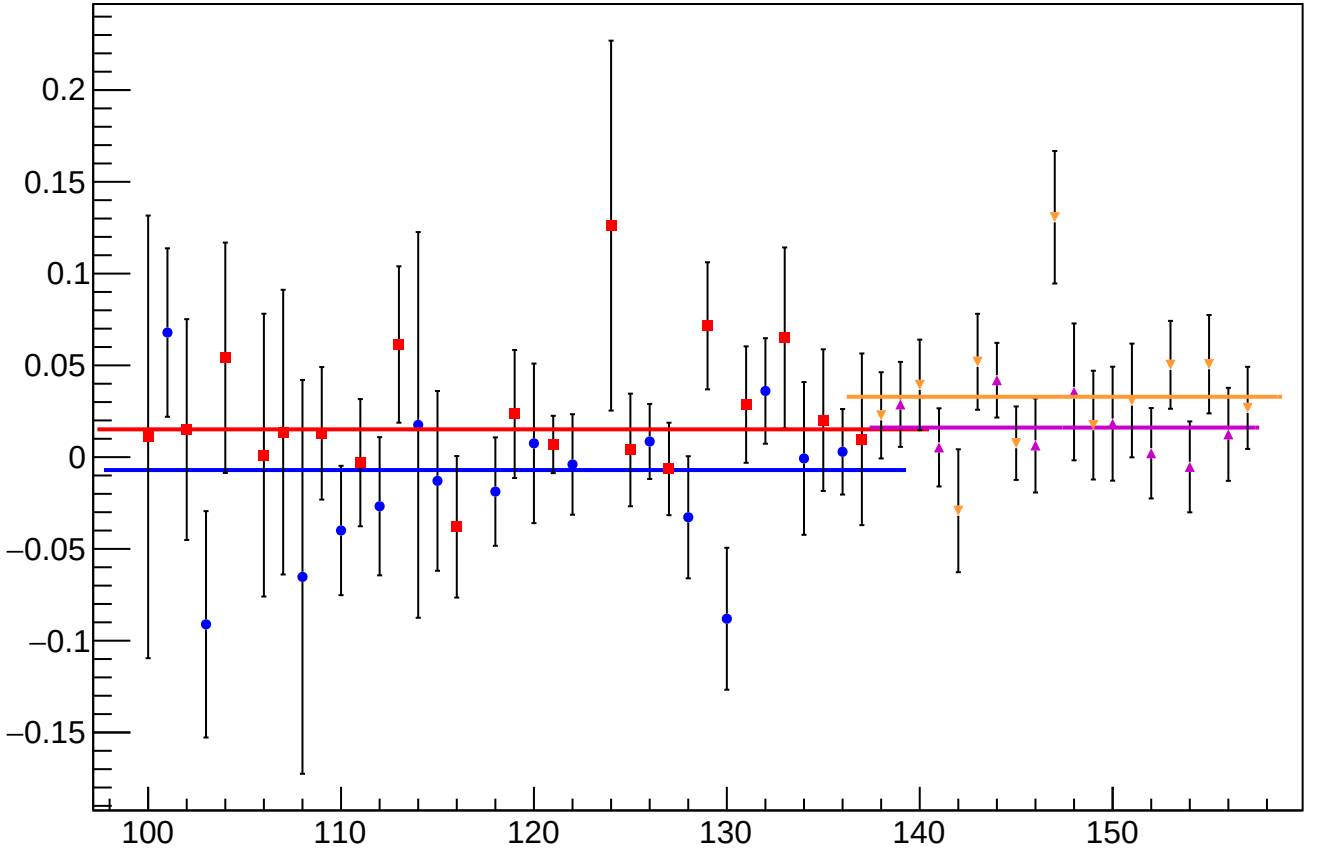
+ sign 0.000+/-0.000 χ^2/NDF: 23.3/26

All: 0.000+/-0.000 χ^2/NDF: 46.4/54

- sign -0.000+/-0.000 χ^2/NDF: 22.6/27


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:619786.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:368401.3/8
+ sign 0.000+/-0.000 χ²/NDF: 4058290.3/26
All: 0.000+/-0.000 χ²/NDF: 7096956.1/54
- sign 0.000+/-0.000 χ²/NDF: 2716363.5/27

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

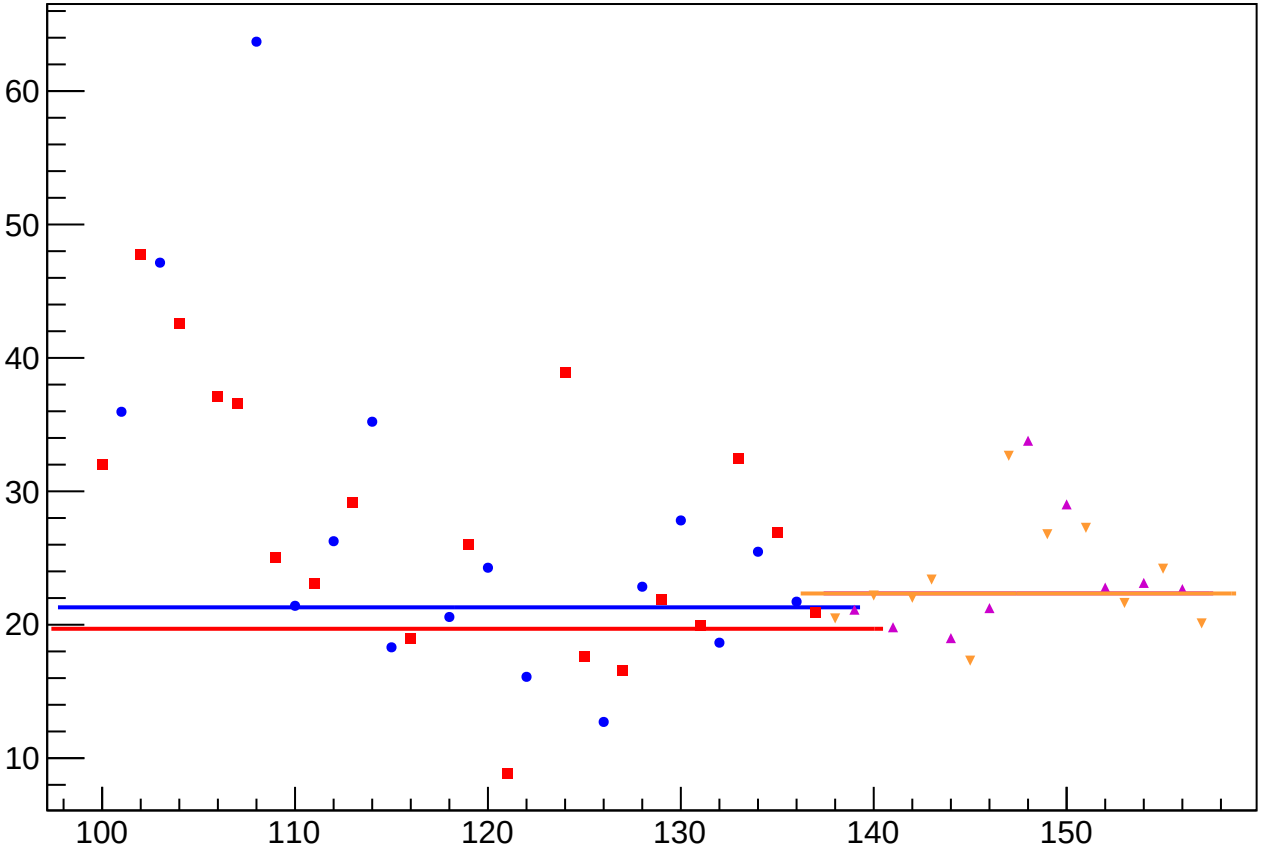
Left In: 0.016+/-0.008 χ^2/NDF:3.7/8

+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.015+/-0.004 χ^2/NDF: 54.4/54

- sign 0.016+/-0.006 χ^2/NDF: 13.8/27

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.343+/-0.006 χ^2/NDF:432893.2/10

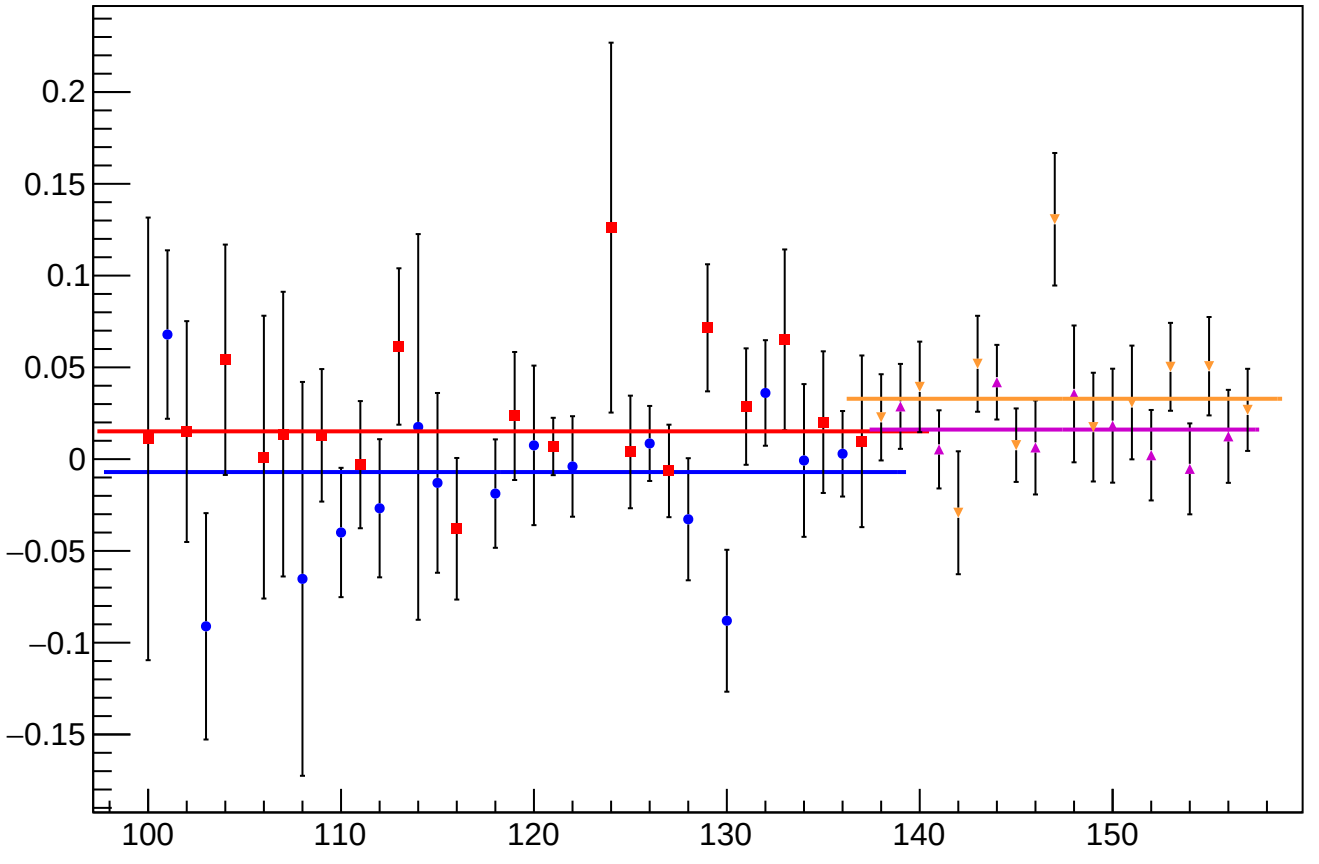
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.350+/-0.006 χ^2/NDF:375839.1/8

+ sign 21.875+/-0.004 χ^2/NDF: 1928187.9/26

All: 21.449+/-0.003 χ^2/NDF: 4868328.7/54

- sign 21.016+/-0.004 χ^2/NDF: 2918265.8/27



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

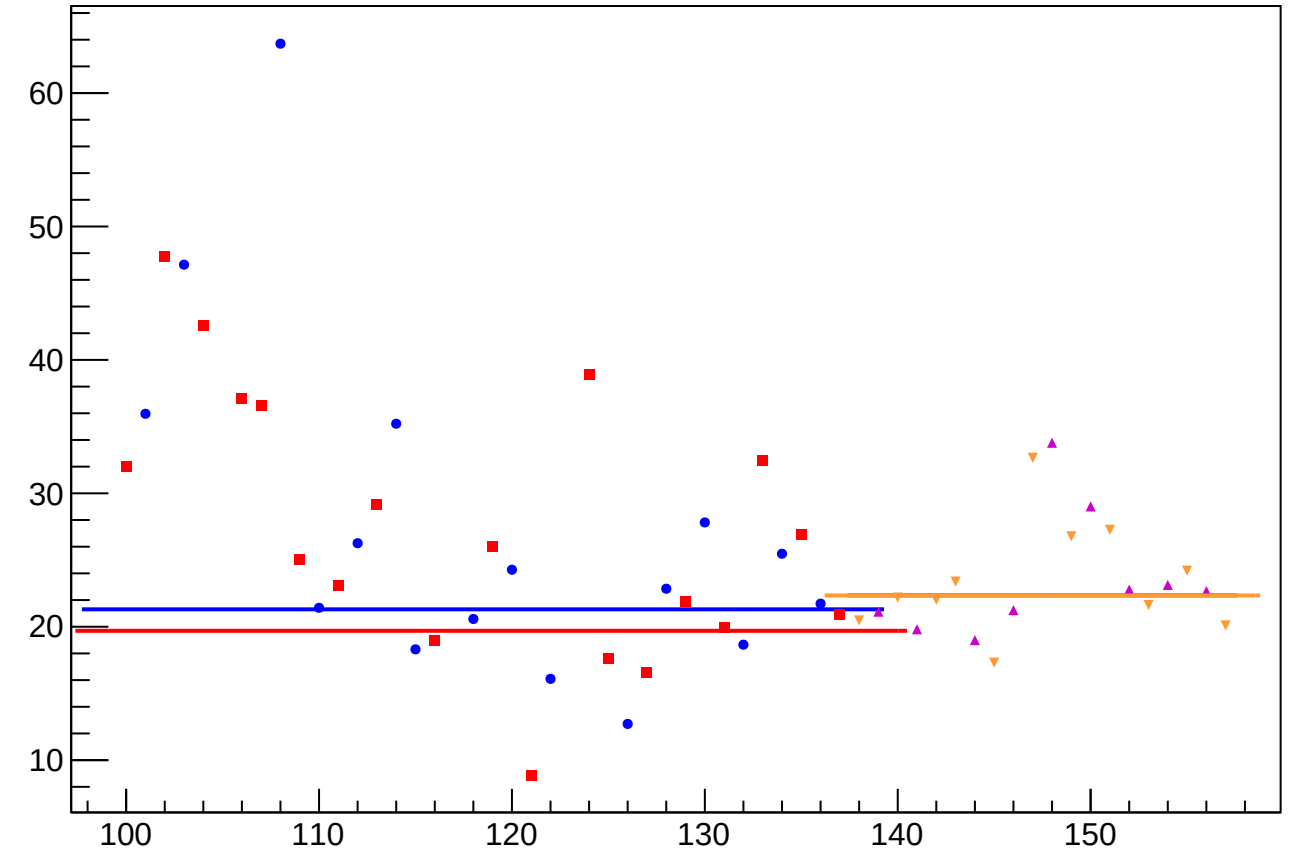
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.008 χ^2/NDF:3.7/8

\+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.015+/-0.004 χ^2/NDF: 54.4/54

\- sign 0.016+/-0.006 χ^2/NDF: 13.8/27



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.343+/-0.006 χ^2/NDF:432893.2/10

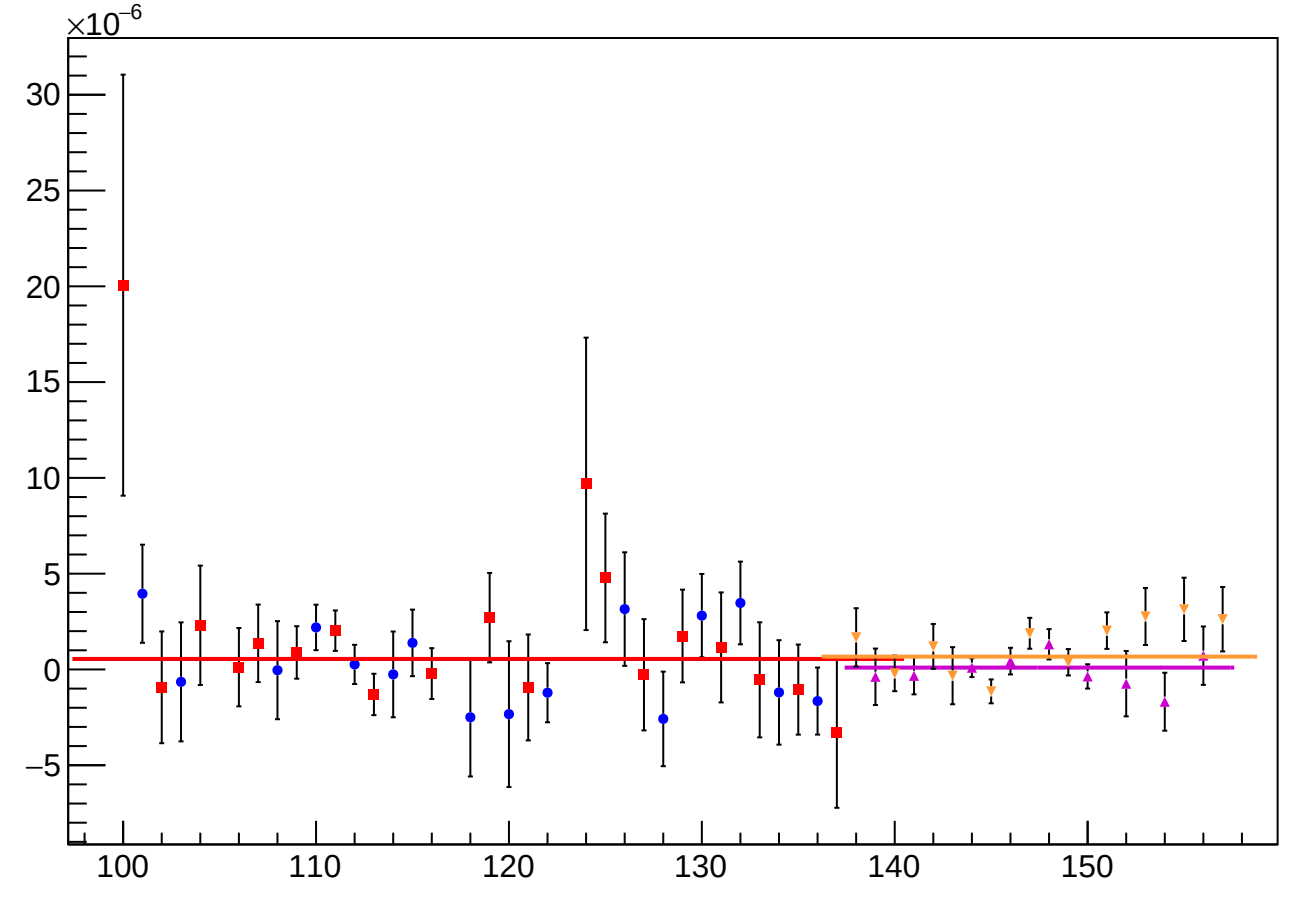
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.350+/-0.006 χ^2/NDF:375839.1/8

+ sign 21.875+/-0.004 χ^2/NDF: 1928187.9/26

All: 21.449+/-0.003 χ^2/NDF: 4868328.7/54

- sign 21.016+/-0.004 χ^2/NDF: 2918265.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/10

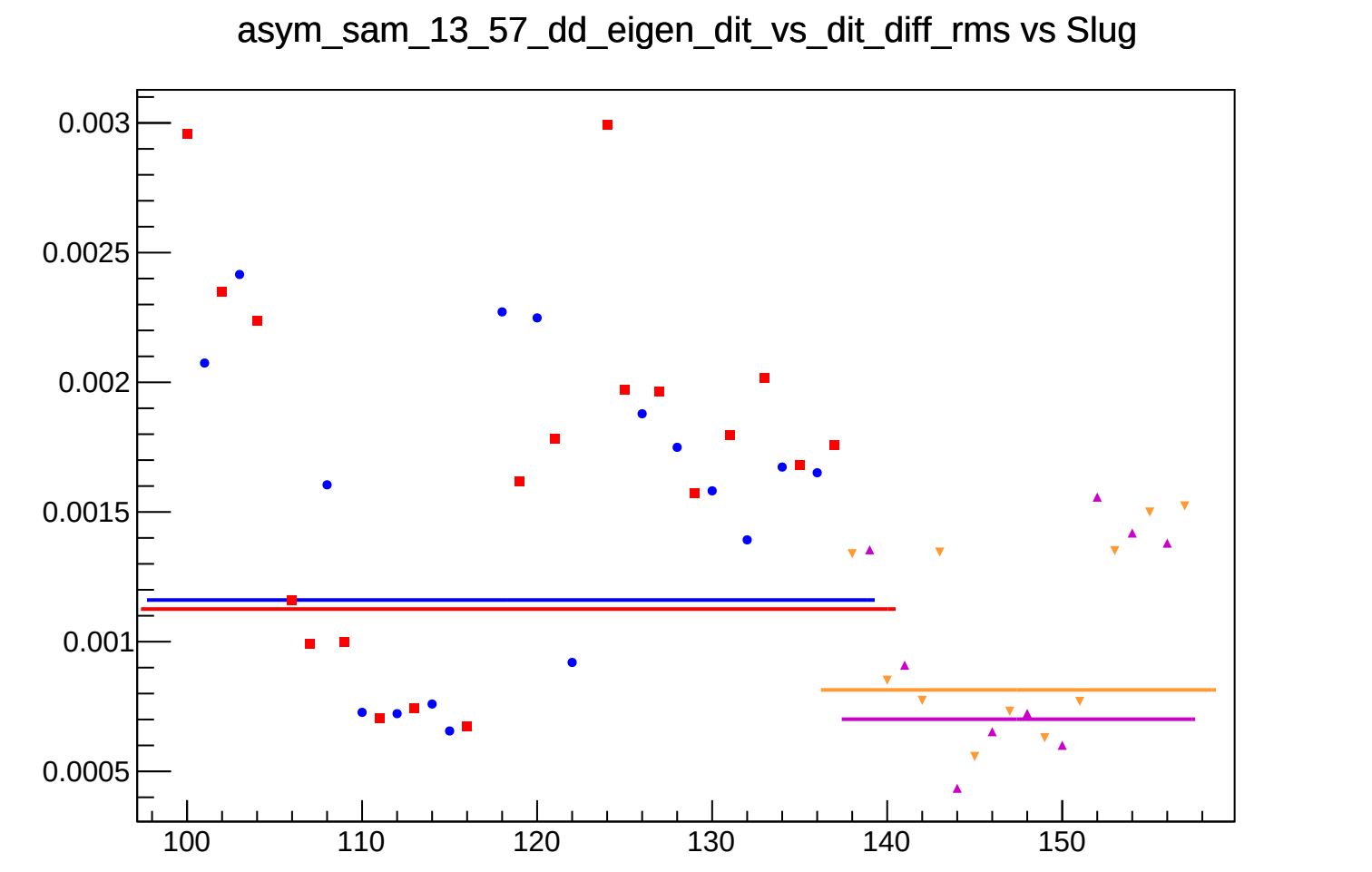
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/26

All: 0.000+/-0.000 χ^2/NDF: 57.7/54

- sign 0.000+/-0.000 χ^2/NDF: 21.3/27



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1964894.3/10

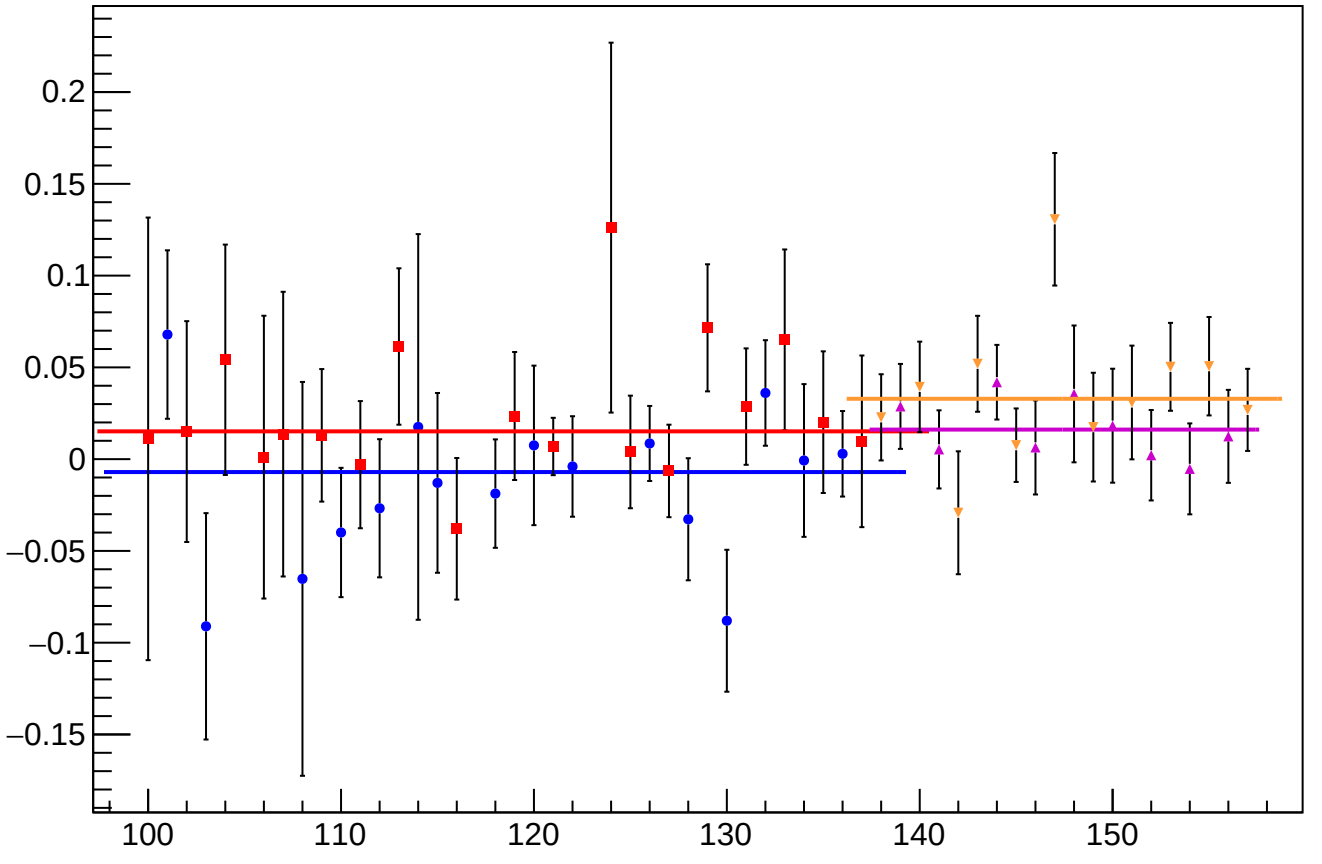
Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2488377.8/8

+ sign 0.001+/-0.000 χ^2/NDF: 5255557.7/26

All: 0.001+/-0.000 χ^2/NDF: 11780479.7/54

- sign 0.001+/-0.000 χ^2/NDF: 6370479.0/27



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

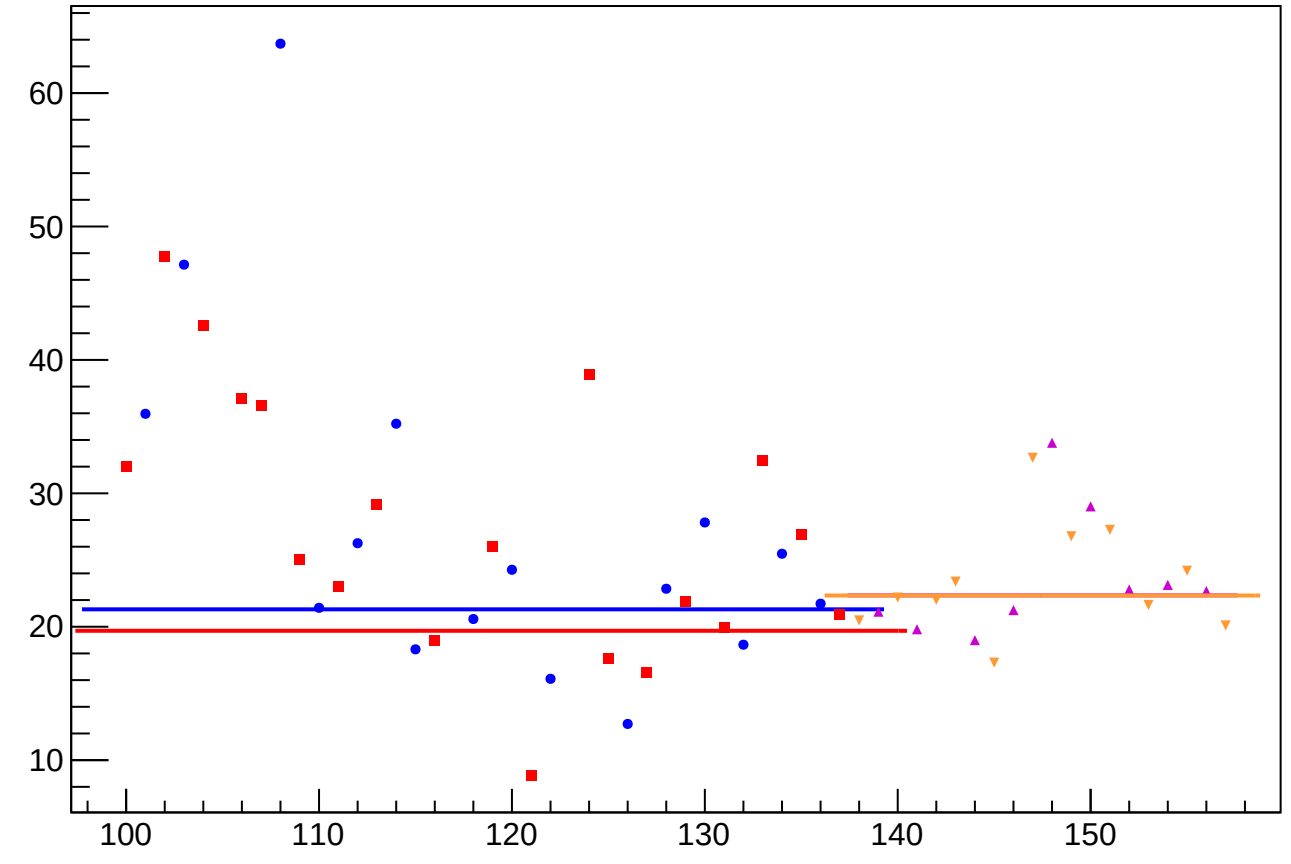
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.008 χ^2/NDF:3.7/8

\+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.015+/-0.004 χ^2/NDF: 54.4/54

\- sign 0.016+/-0.006 χ^2/NDF: 13.8/27



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

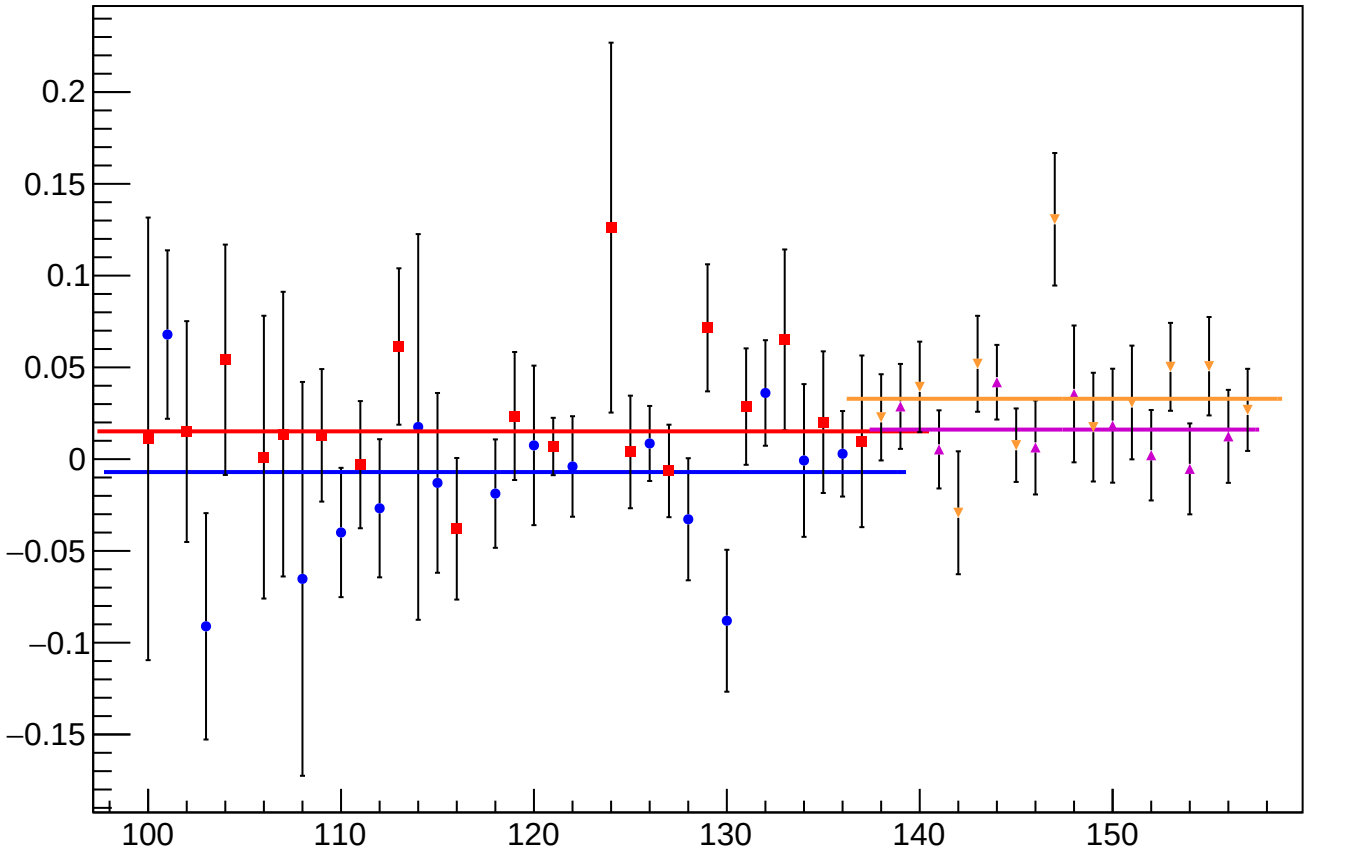
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.351+/-0.006 χ^2/NDF:375853.8/8

+ sign 21.875+/-0.004 χ^2/NDF: 1928049.3/26

All: 21.449+/-0.003 χ^2/NDF: 4867801.3/54

- sign 21.016+/-0.004 χ^2/NDF: 2917888.1/27



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.033+/-0.008 χ^2/NDF:14.5/10

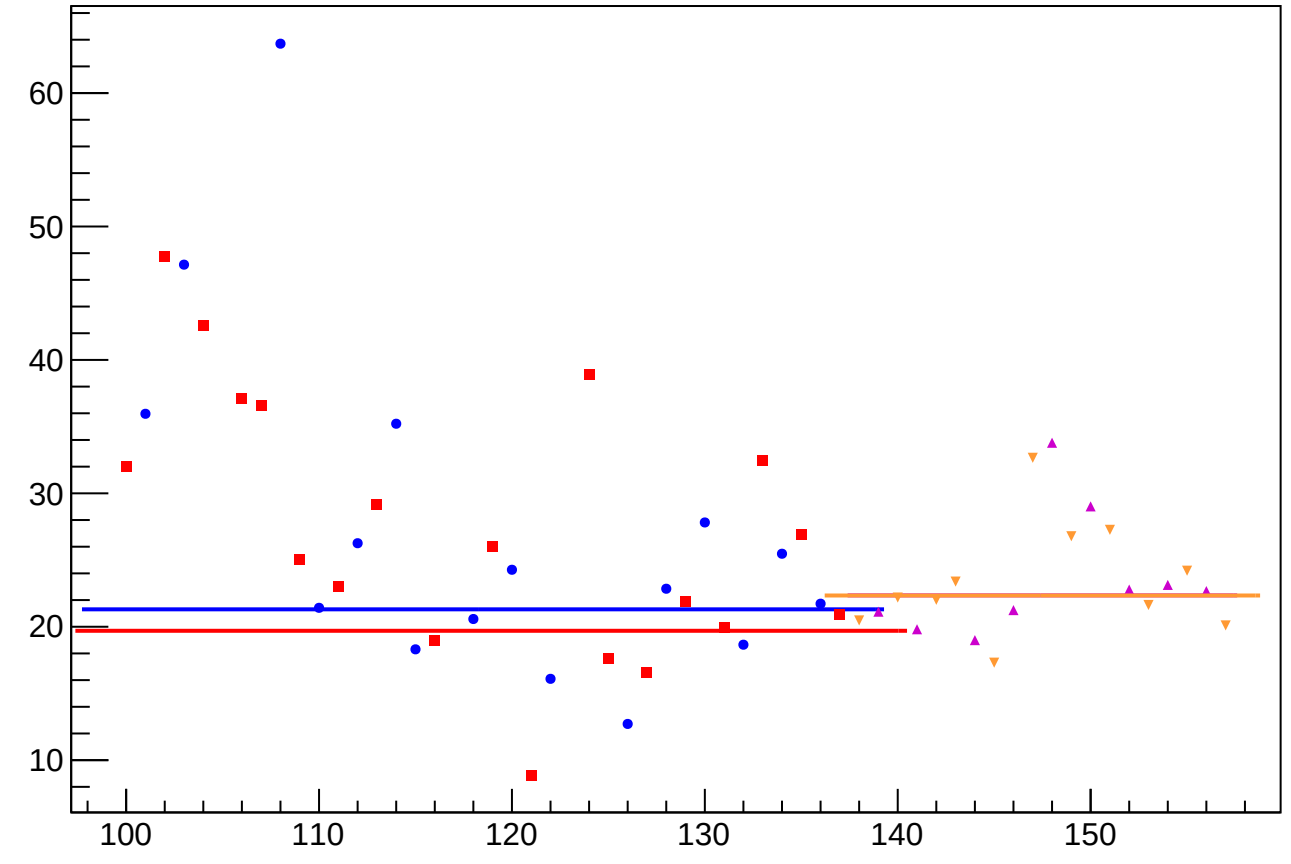
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.016+/-0.008 χ^2/NDF:3.7/8

+ sign 0.015+/-0.006 χ^2/NDF: 40.6/26

All: 0.015+/-0.004 χ^2/NDF: 54.4/54

- sign 0.016+/-0.006 χ^2/NDF: 13.8/27



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.343+/-0.006 χ^2/NDF:432920.9/10

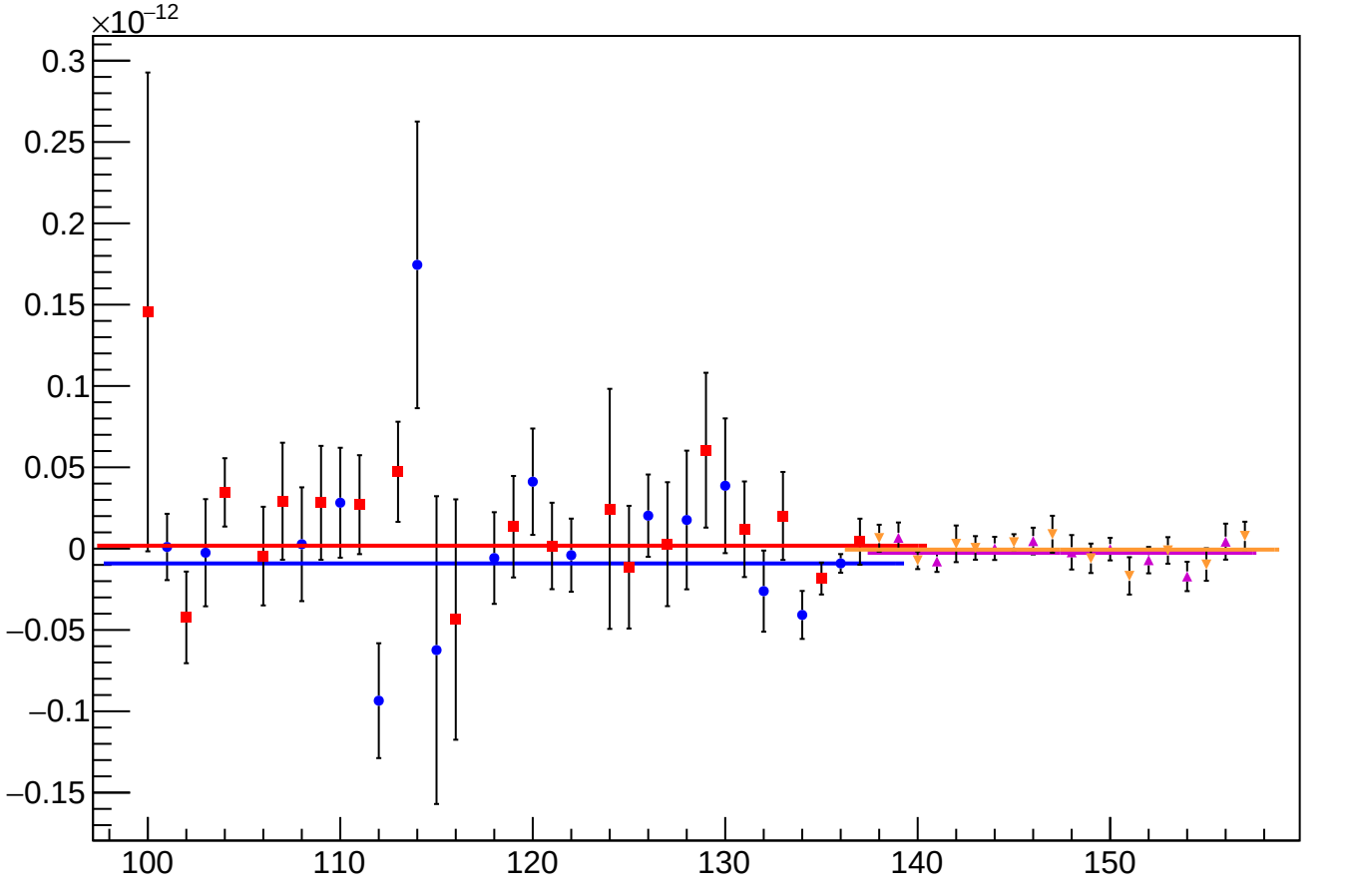
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.351+/-0.006 χ^2/NDF:375853.8/8

+ sign 21.875+/-0.004 χ^2/NDF: 1928049.3/26

All: 21.449+/-0.003 χ^2/NDF: 4867801.3/54

- sign 21.016+/-0.004 χ^2/NDF: 2917888.1/27



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/10

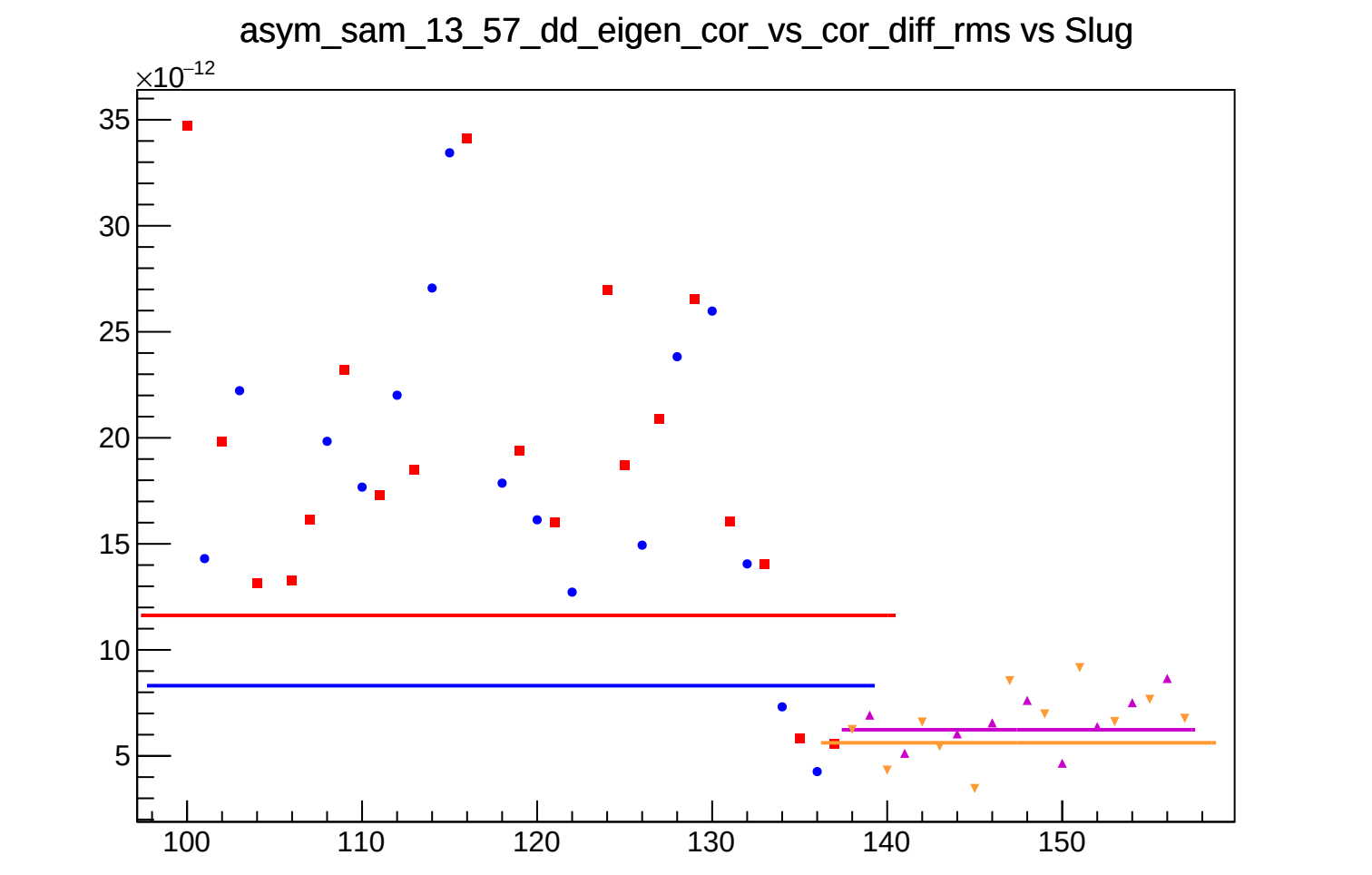
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/8

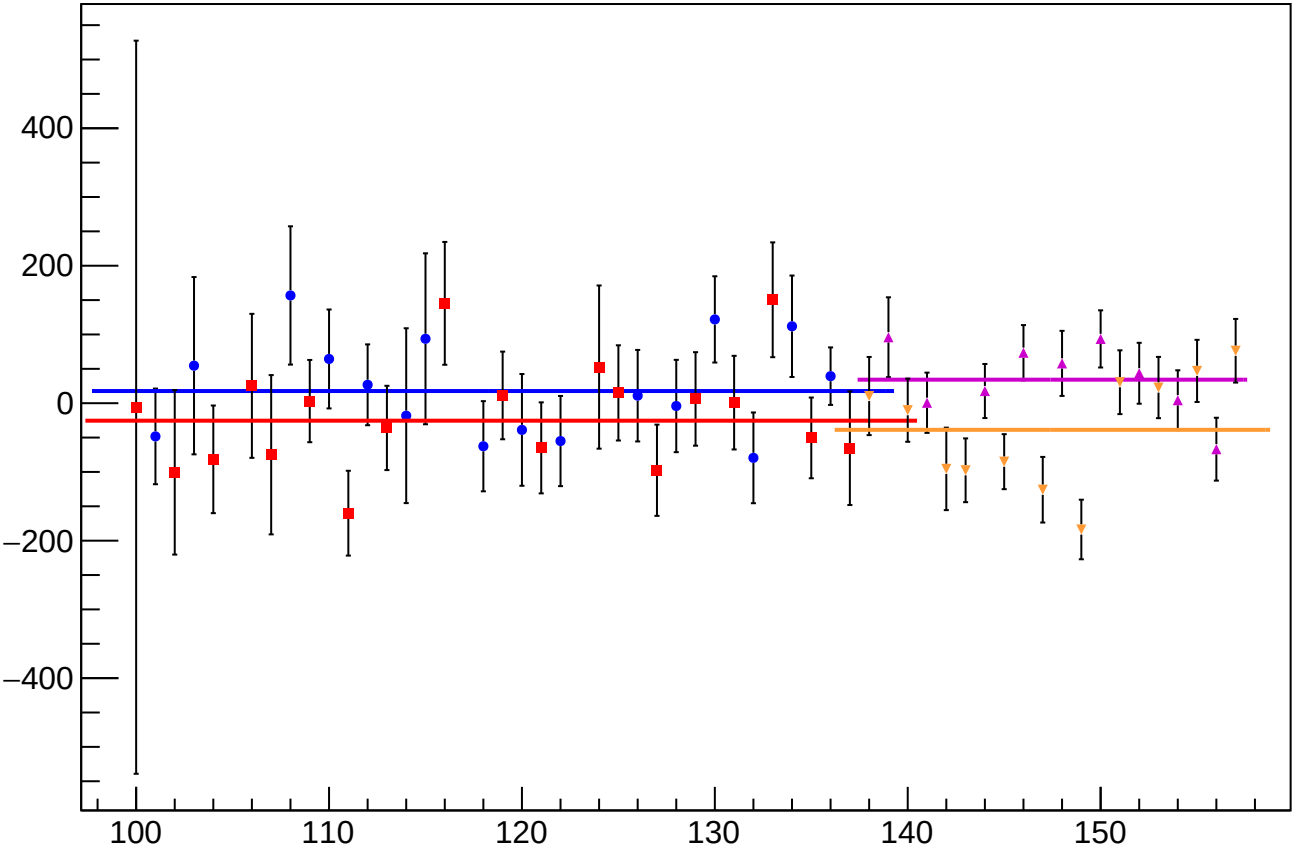
+ sign -0.000+/-0.000 χ^2/NDF: 33.3/26

All: -0.000+/-0.000 χ^2/NDF: 56.8/54

- sign -0.000+/-0.000 χ^2/NDF: 23.4/27


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1032042.5/10
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:347880.0/8
+ sign 0.000+/-0.000 χ²/NDF: 5327931.2/26
All: 0.000+/-0.000 χ²/NDF: 9961087.5/54
- sign 0.000+/-0.000 χ²/NDF: 4423043.9/27

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.740+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

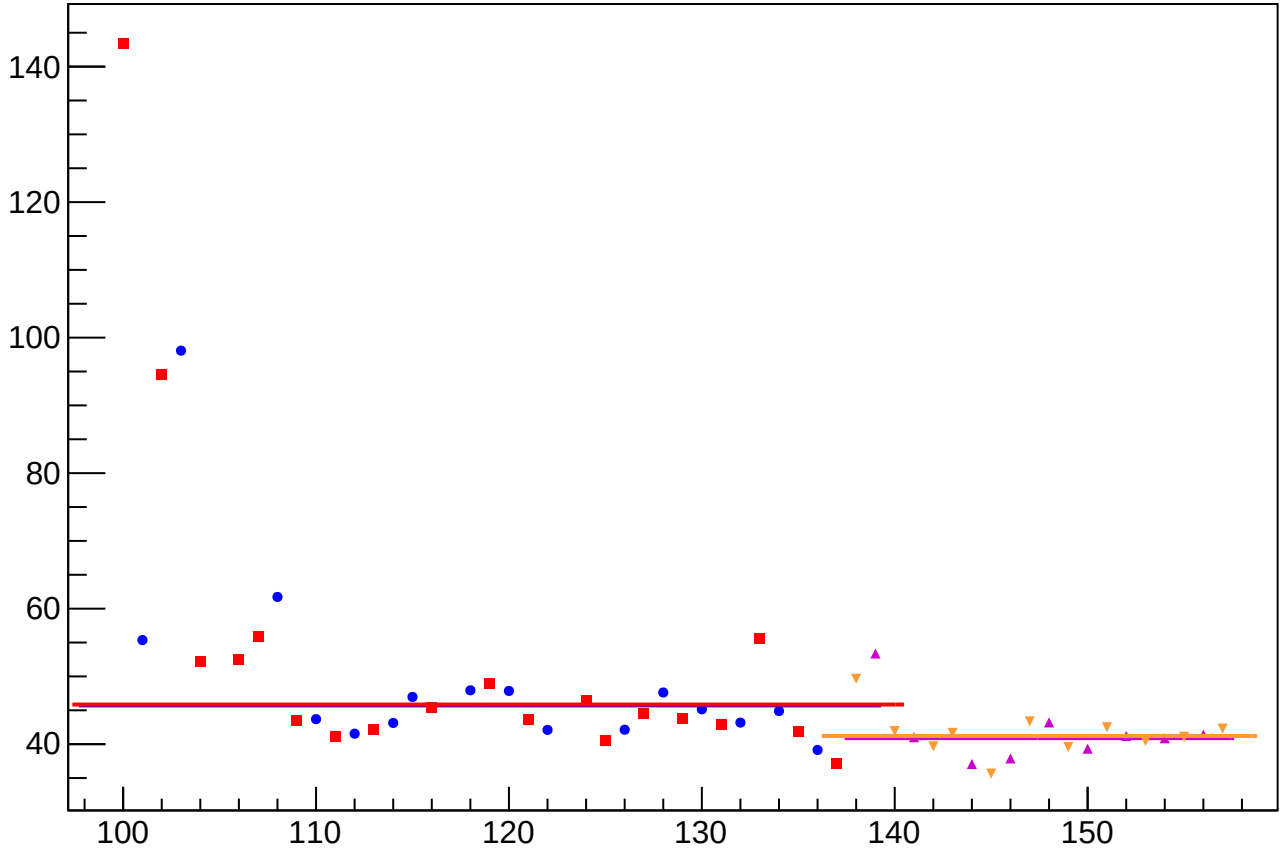
Left In: 34.214+/-14.710 χ^2/NDF:10.5/8

+ sign -16.517+/-10.962 χ^2/NDF: 53.7/26

All: -3.932+/-7.840 χ^2/NDF: 91.6/54

- sign 9.245+/-11.216 χ^2/NDF: 35.3/27

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

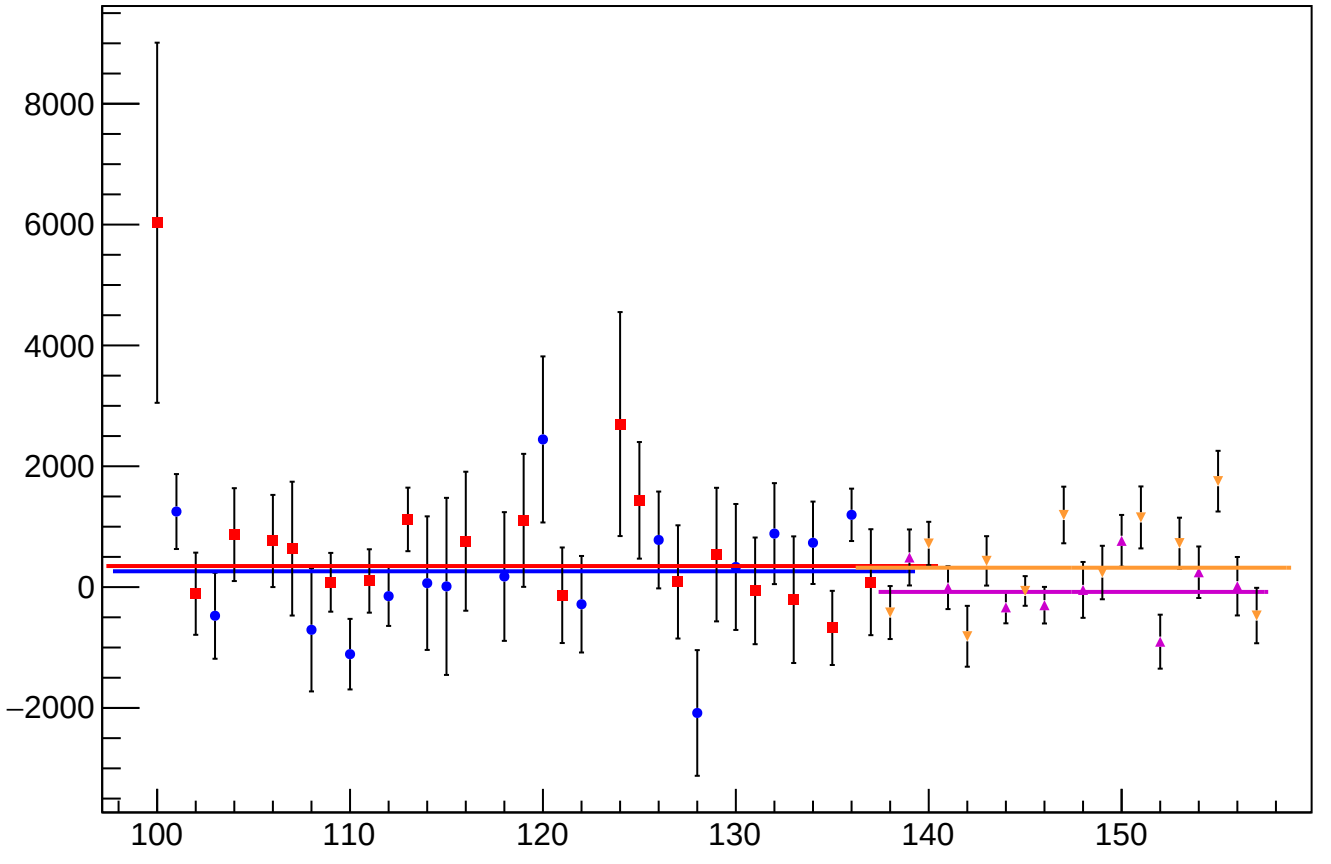
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.889+/-0.010 χ^2/NDF:130265.3/8

+ sign 42.991+/-0.008 χ^2/NDF: 677044.6/26

All: 42.979+/-0.006 χ^2/NDF: 1442658.1/54

- sign 42.965+/-0.008 χ^2/NDF: 765608.0/27



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 320.849+/-121.932 χ^2/NDF:29.9/10

Right Out: 348.685+/-180.682 χ^2/NDF: 14.9/18

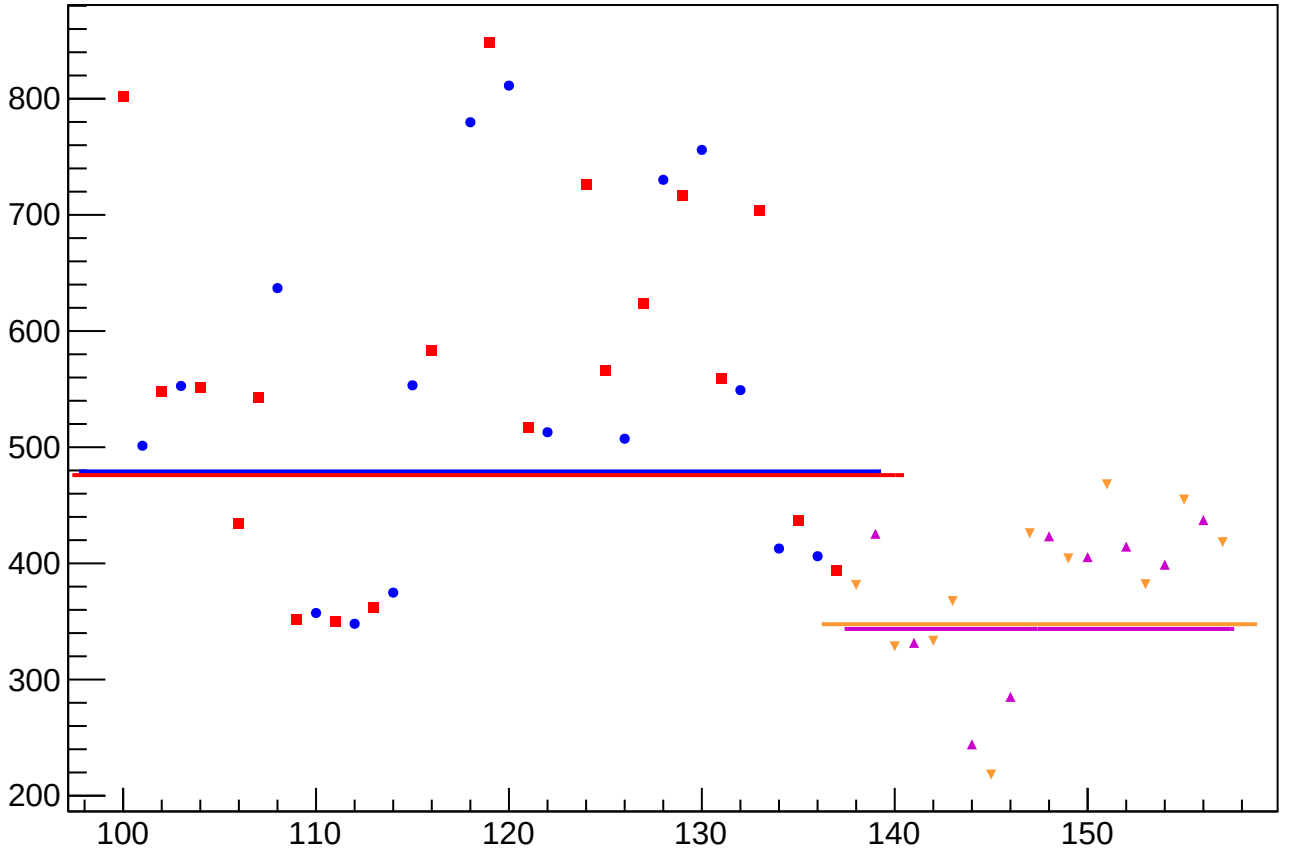
Left In: -79.599+/-126.271 χ^2/NDF:10.9/8

+ sign 303.038+/-101.843 χ^2/NDF: 54.9/26

All: 183.943+/-72.593 χ^2/NDF: 87.3/54

- sign 60.939+/-103.501 χ^2/NDF: 29.6/27

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 347.640+/-0.086 χ^2/NDF:930948.6/10

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

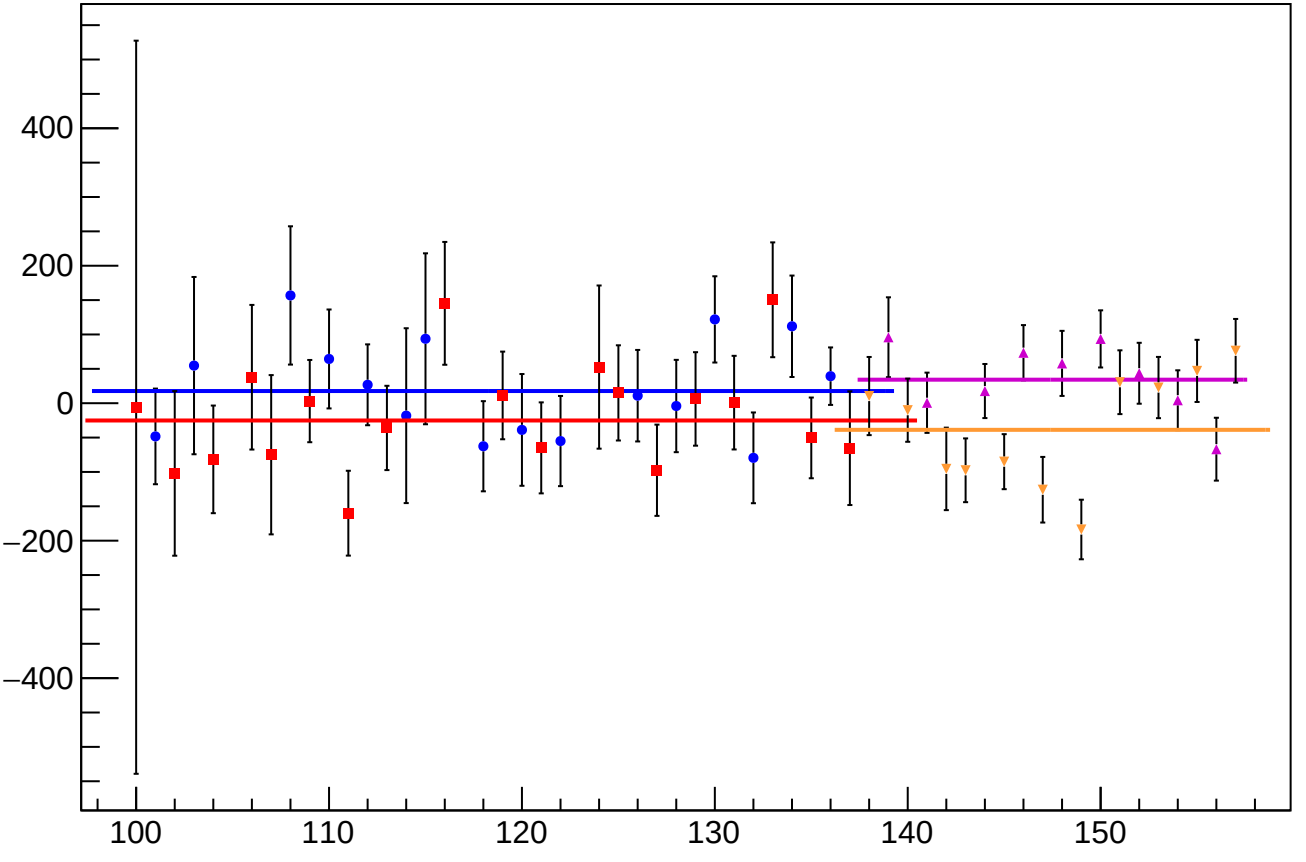
Left In: 343.567+/-0.089 χ^2/NDF:681268.4/8

+ sign 387.412+/-0.072 χ^2/NDF: 2587409.9/26

All: 387.220+/-0.051 χ^2/NDF: 4996977.4/54

- sign 387.021+/-0.073 χ^2/NDF: 2409553.0/27

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

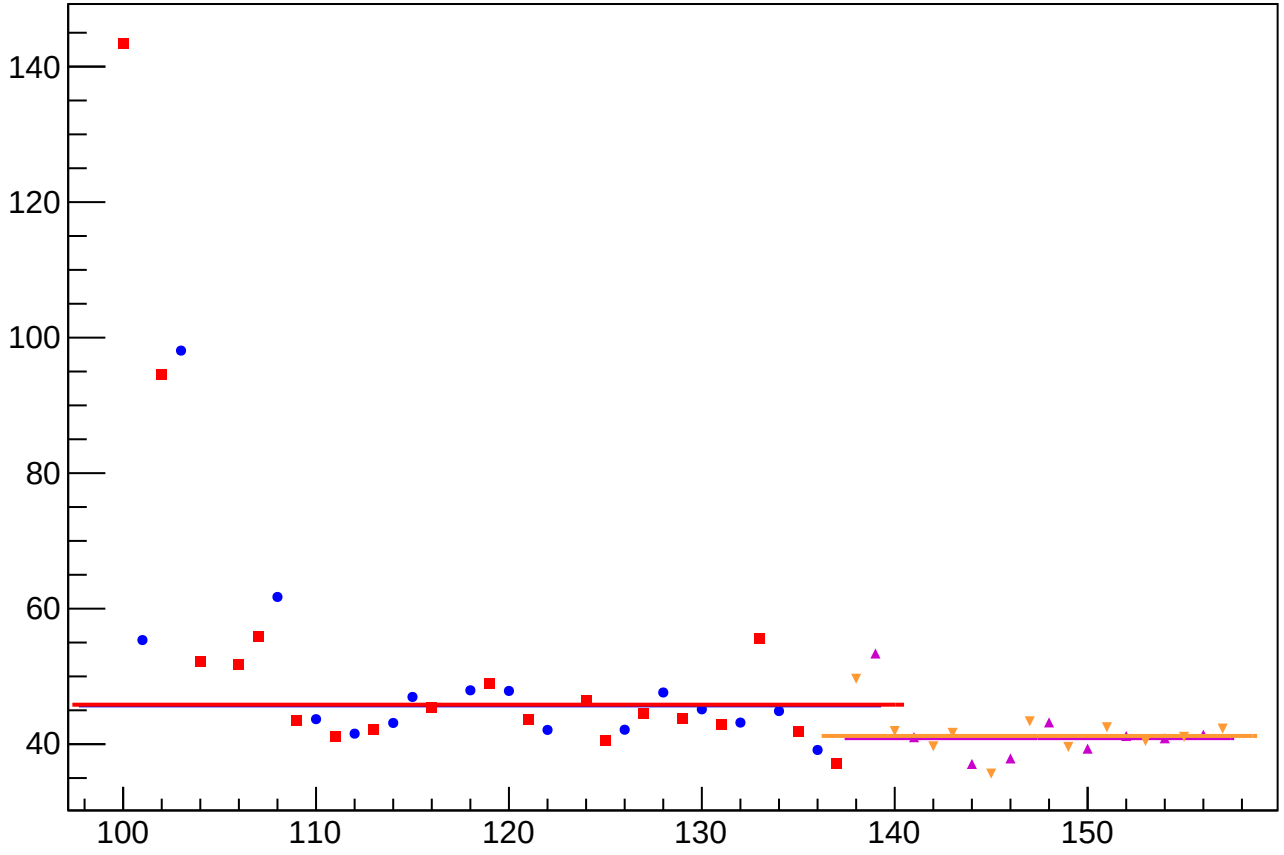
Left In: 34.214+/-14.710 χ^2/NDF:10.5/8

+ sign -16.516+/-10.962 χ^2/NDF: 53.7/26

All: -3.869+/-7.840 χ^2/NDF: 91.7/54

- sign 9.372+/-11.217 χ^2/NDF: 35.3/27

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

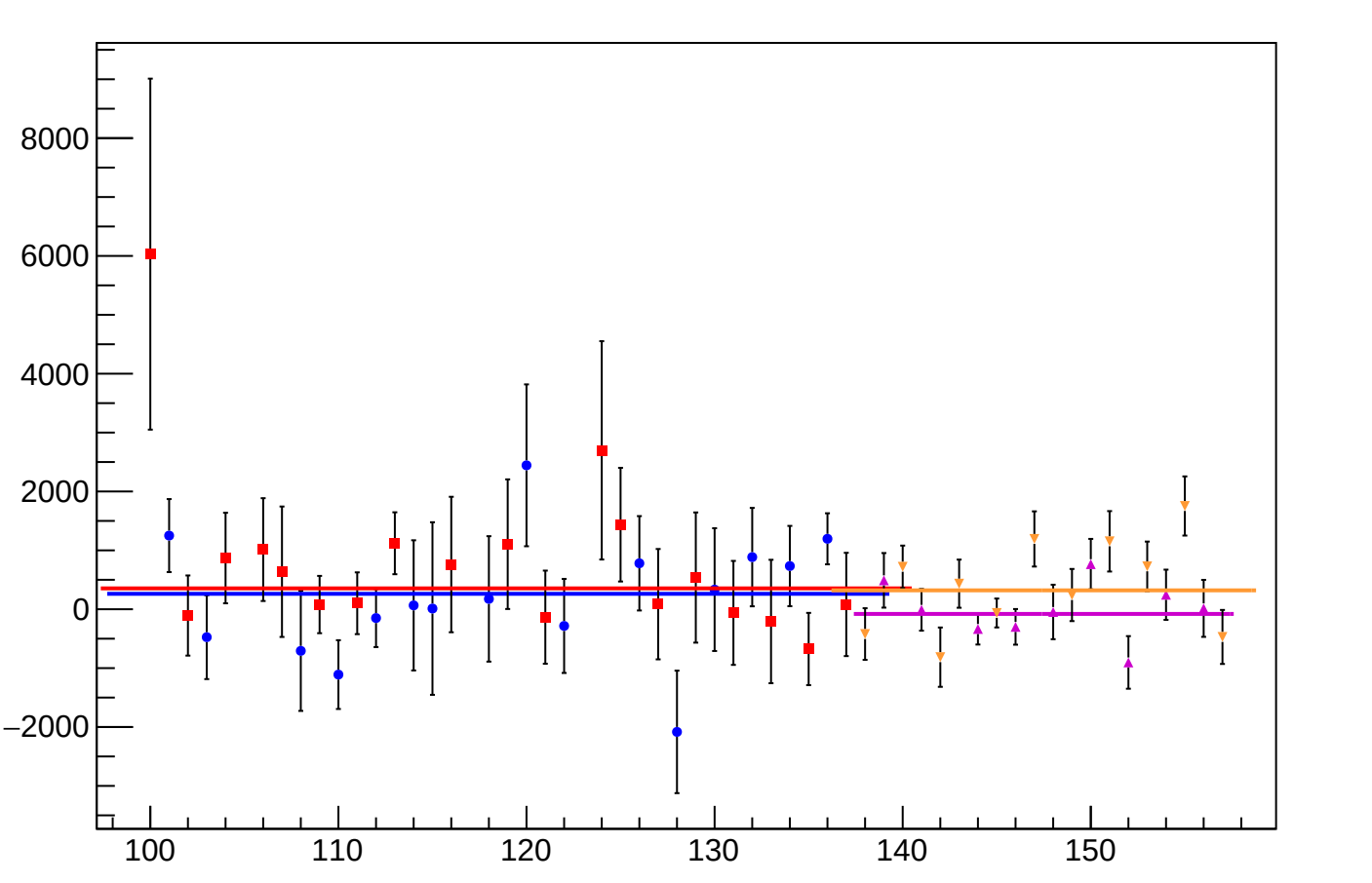
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.889+/-0.010 χ^2/NDF:130265.3/8

+ sign 42.991+/-0.008 χ^2/NDF: 677047.6/26

All: 42.974+/-0.006 χ^2/NDF: 1440052.2/54

- sign 42.955+/-0.008 χ^2/NDF: 762993.8/27



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

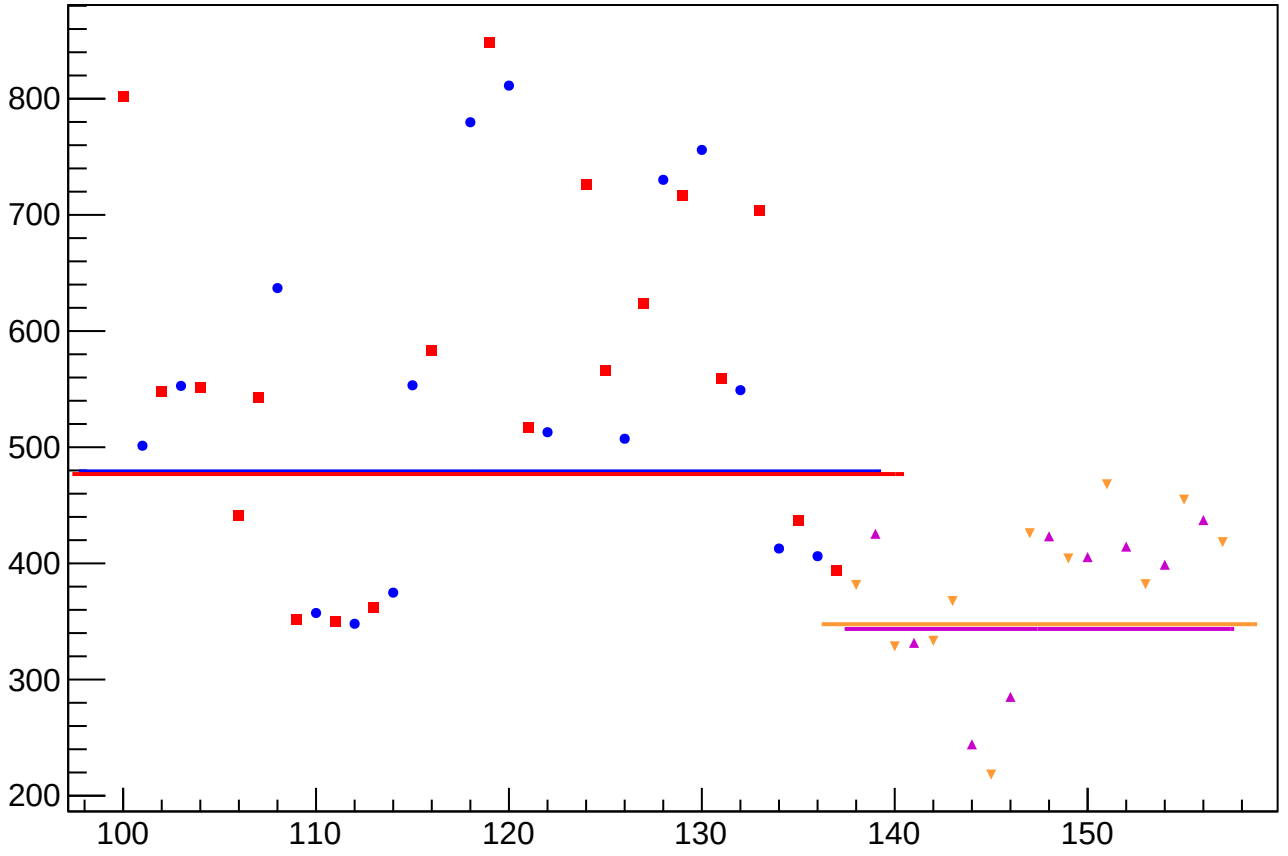
Left In: -79.599+/-126.271 χ^2/NDF:10.9/8

+ sign 303.037+/-101.843 χ^2/NDF: 54.9/26

All: 184.467+/-72.672 χ^2/NDF: 87.7/54

- sign 61.464+/-103.729 χ^2/NDF: 30.0/27

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

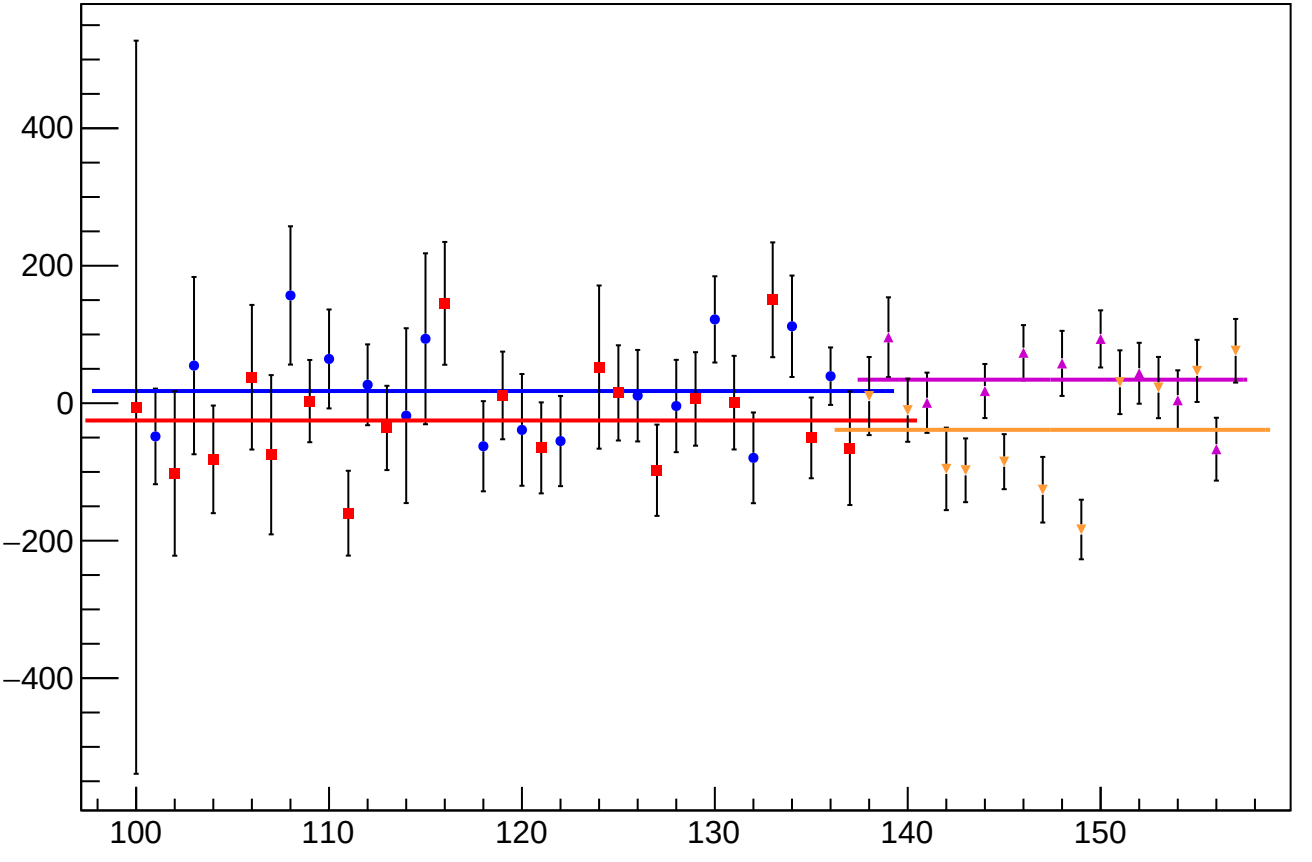
Left In: 343.568+/-0.089 χ^2/NDF:681268.7/8

+ sign 387.412+/-0.072 χ^2/NDF: 2587458.6/26

All: 387.172+/-0.051 χ^2/NDF: 4997563.5/54

- sign 386.922+/-0.073 χ^2/NDF: 2410082.2/27

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -38.741+/-14.079 χ^2/NDF:33.4/10

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

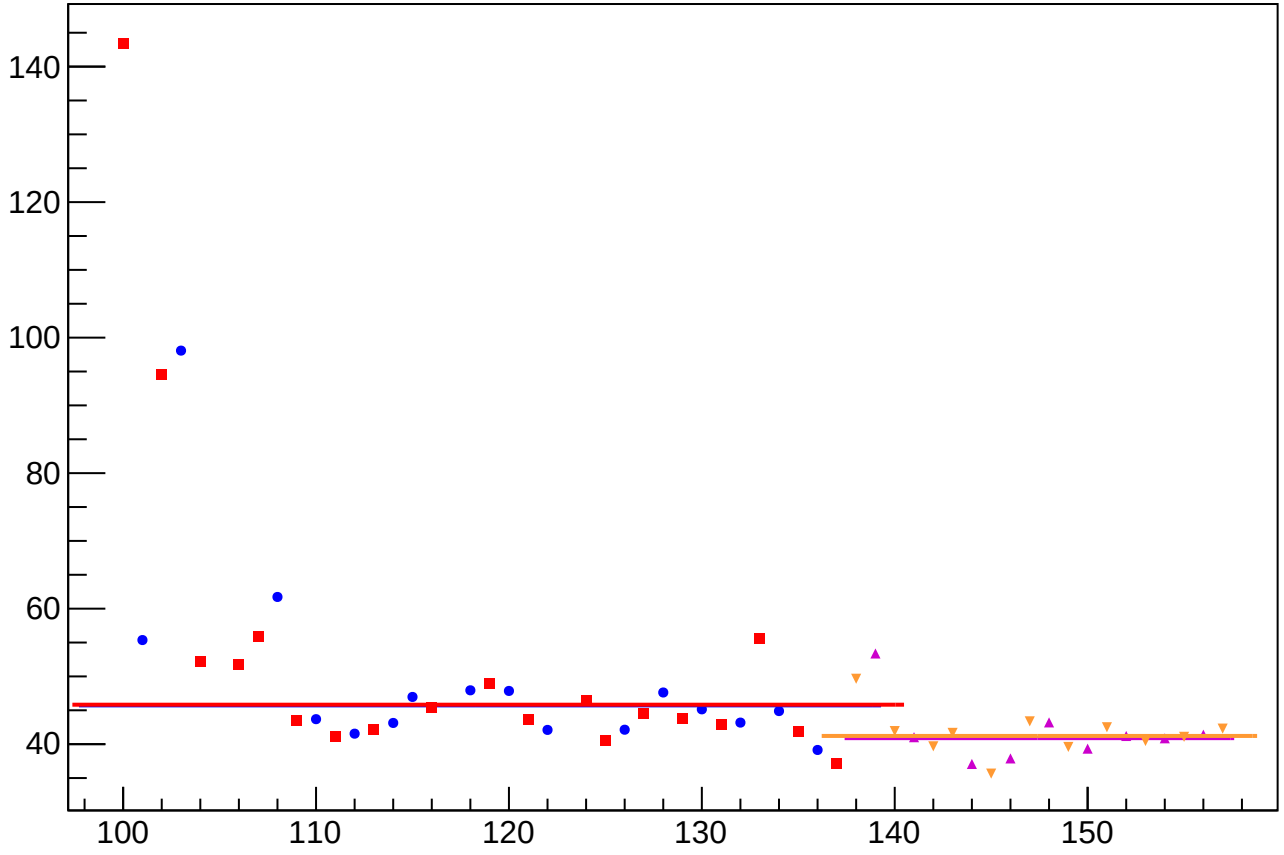
Left In: 34.214+/-14.710 χ^2/NDF:10.5/8

+ sign -16.516+/-10.962 χ^2/NDF: 53.7/26

All: -3.869+/-7.840 χ^2/NDF: 91.7/54

- sign 9.372+/-11.217 χ^2/NDF: 35.3/27

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.215+/-0.010 χ^2/NDF:94716.9/10

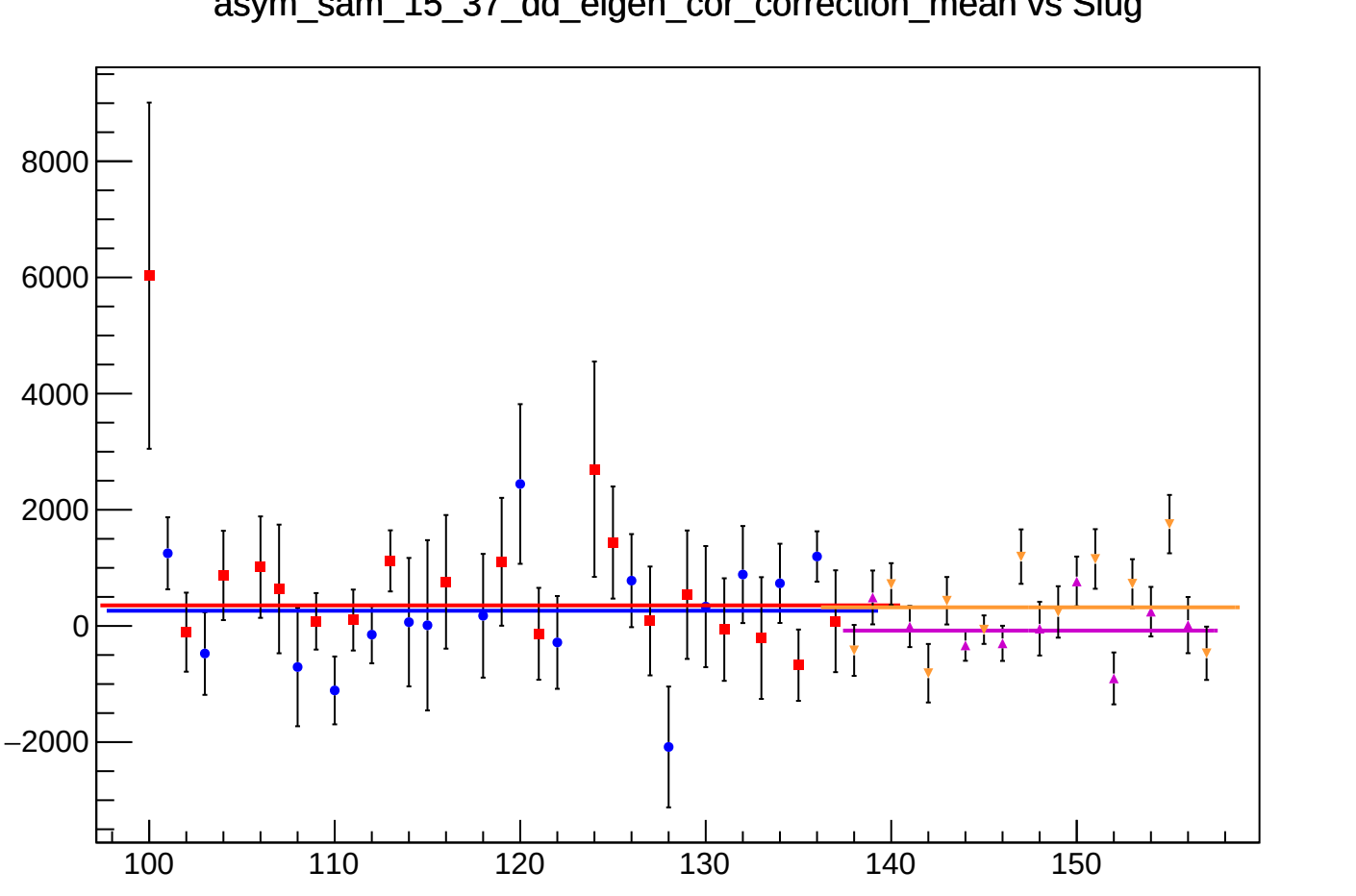
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.889+/-0.010 χ^2/NDF:130265.3/8

+ sign 42.991+/-0.008 χ^2/NDF: 677047.6/26

All: 42.974+/-0.006 χ^2/NDF: 1440052.2/54

- sign 42.955+/-0.008 χ^2/NDF: 762993.8/27



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 320.846+/-121.932 χ^2/NDF:29.9/10

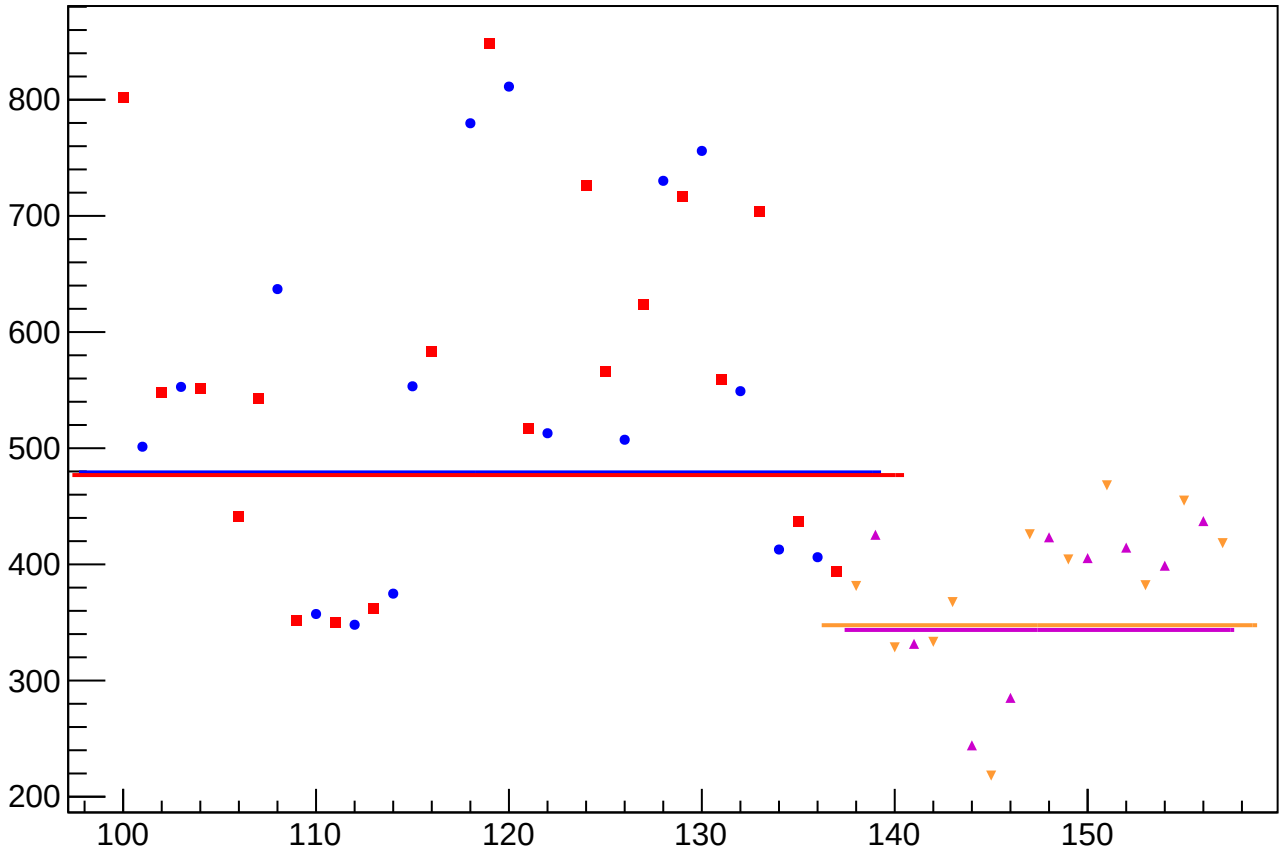
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -79.599+/-126.271 χ^2/NDF:10.9/8

+ sign 303.037+/-101.843 χ^2/NDF: 54.9/26

All: 184.467+/-72.672 χ^2/NDF: 87.7/54

- sign 61.464+/-103.729 χ^2/NDF: 30.0/27



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 347.639+/-0.086 χ^2/NDF:930949.7/10

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

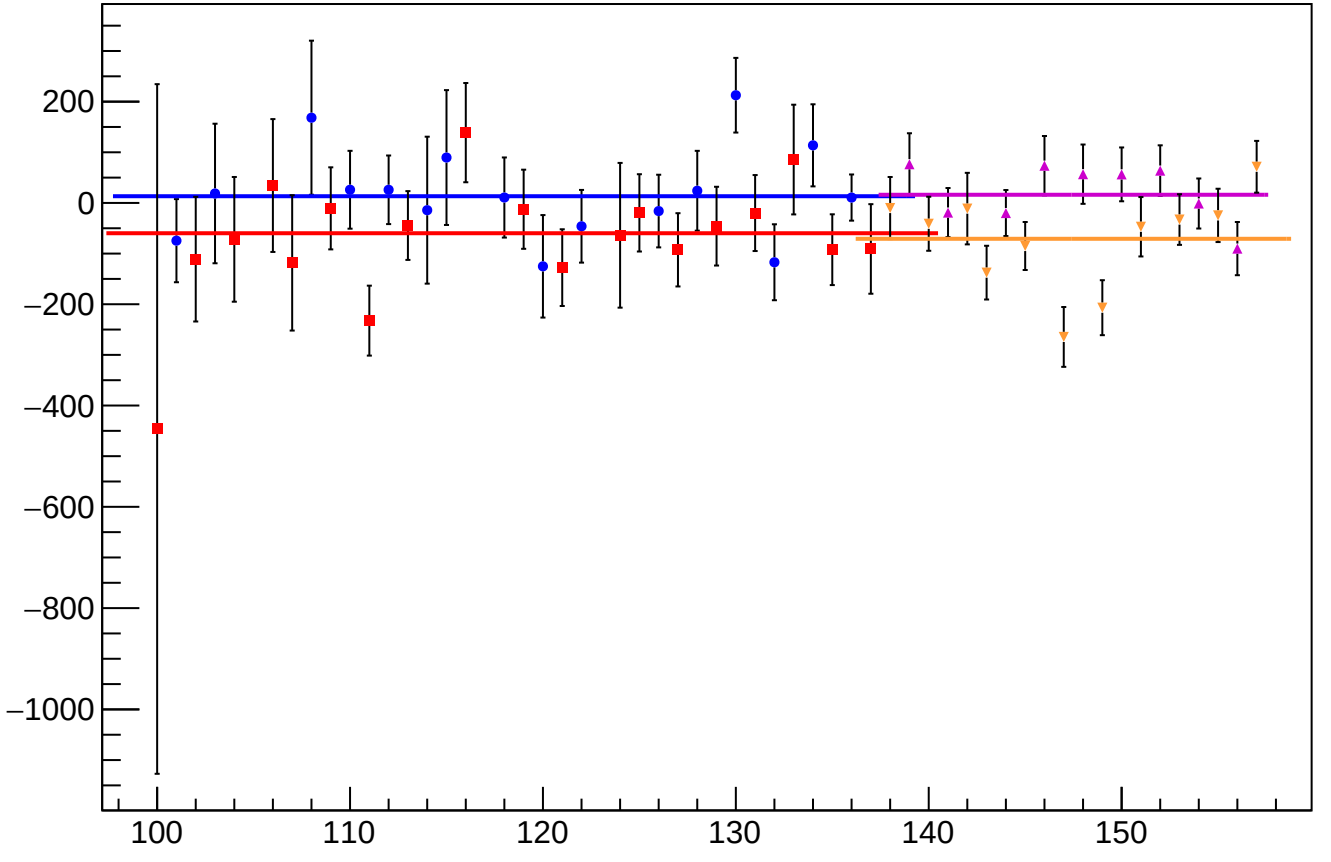
Left In: 343.568+/-0.089 χ^2/NDF:681268.7/8

\+ sign 387.412+/-0.072 χ^2/NDF: 2587458.6/26

All: 387.172+/-0.051 χ^2/NDF: 4997563.5/54

\- sign 386.922+/-0.073 χ^2/NDF: 2410082.2/27

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

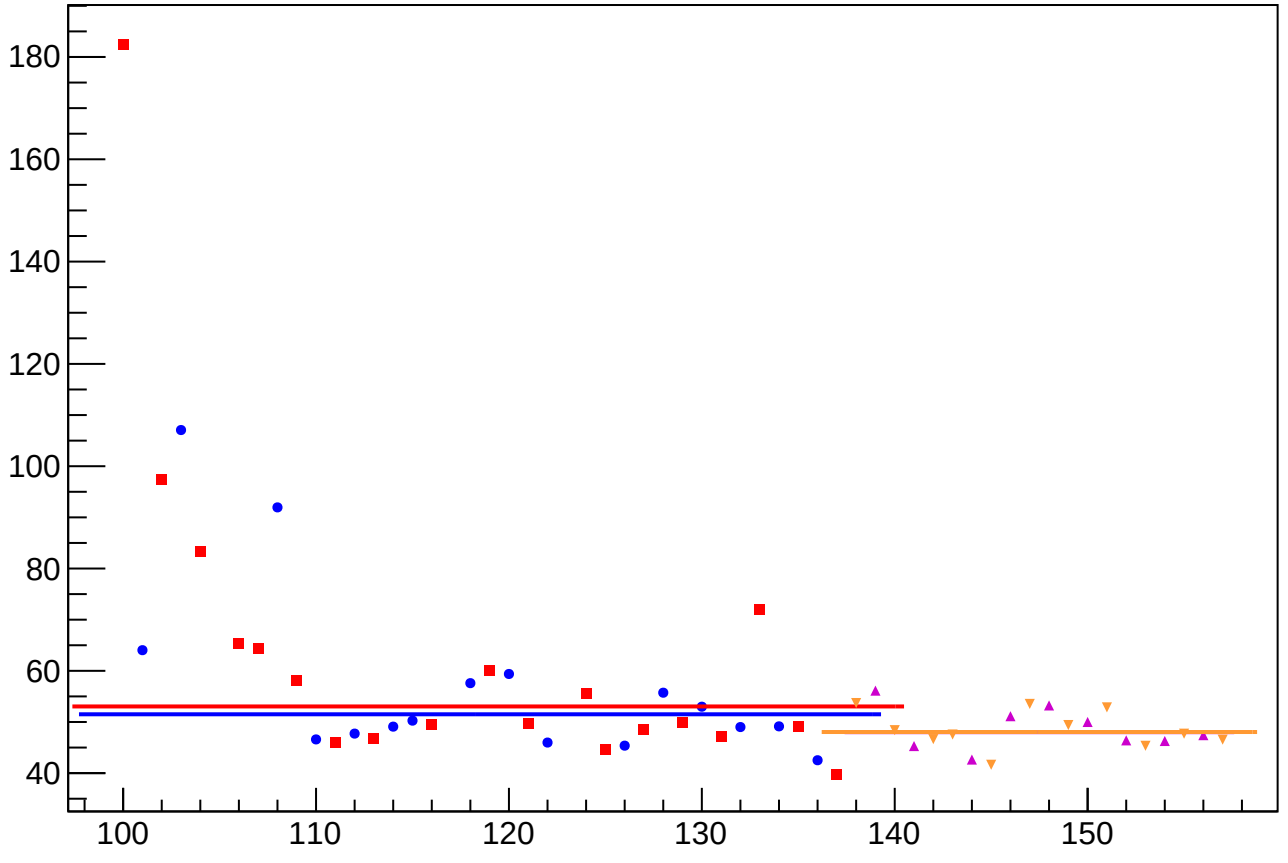
Left In: 16.137+/-17.439 χ^2/NDF:9.3/8

+ sign -36.485+/-12.681 χ^2/NDF: 57.8/26

All: -26.773+/-9.148 χ^2/NDF: 92.5/54

- sign -16.233+/-13.210 χ^2/NDF: 33.5/27

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.040+/-0.012 χ^2/NDF:94242.8/10

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

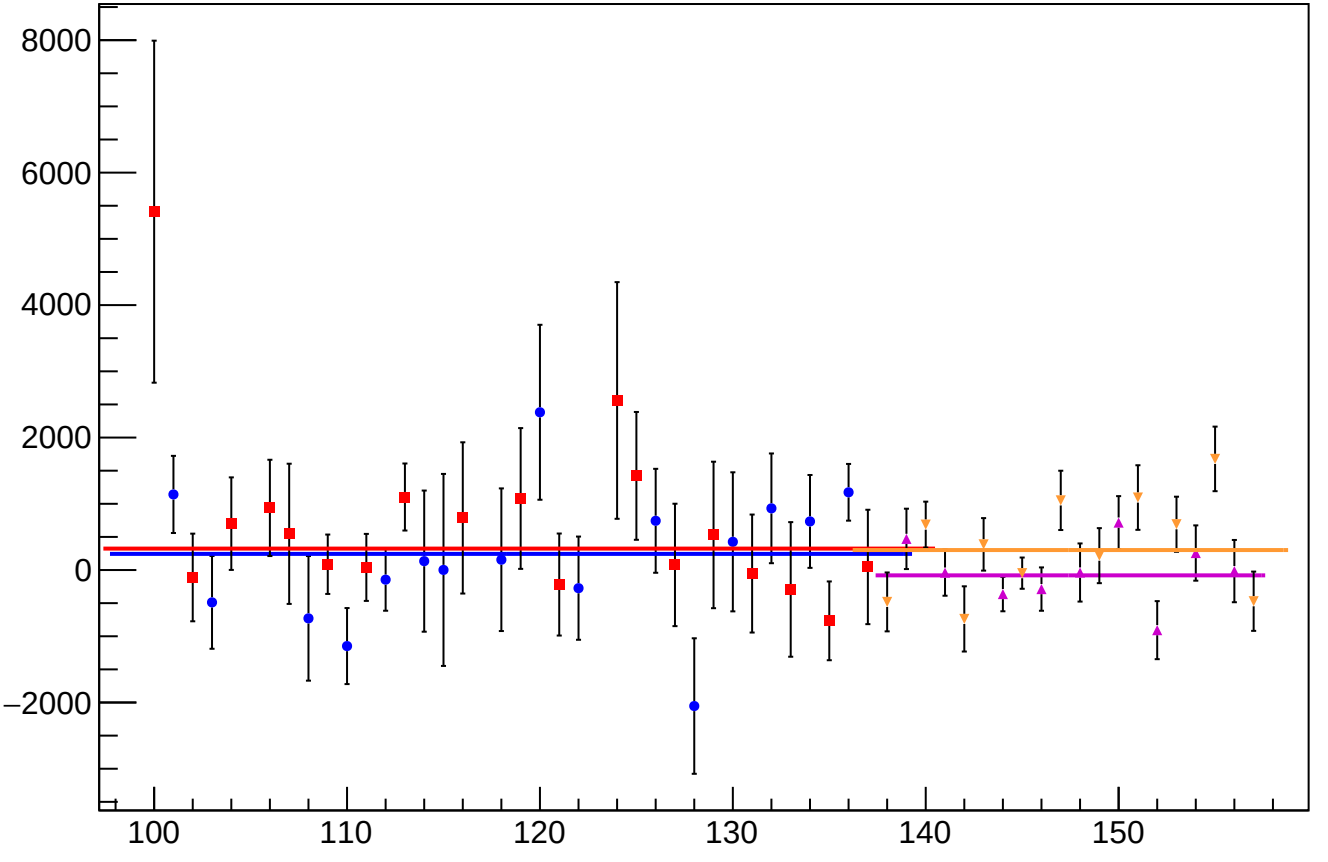
Left In: 48.010+/-0.012 χ^2/NDF:98526.8/8

+ sign 49.455+/-0.009 χ^2/NDF: 797379.2/26

All: 49.790+/-0.006 χ^2/NDF: 1682560.8/54

- sign 50.153+/-0.009 χ^2/NDF: 882273.7/27

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

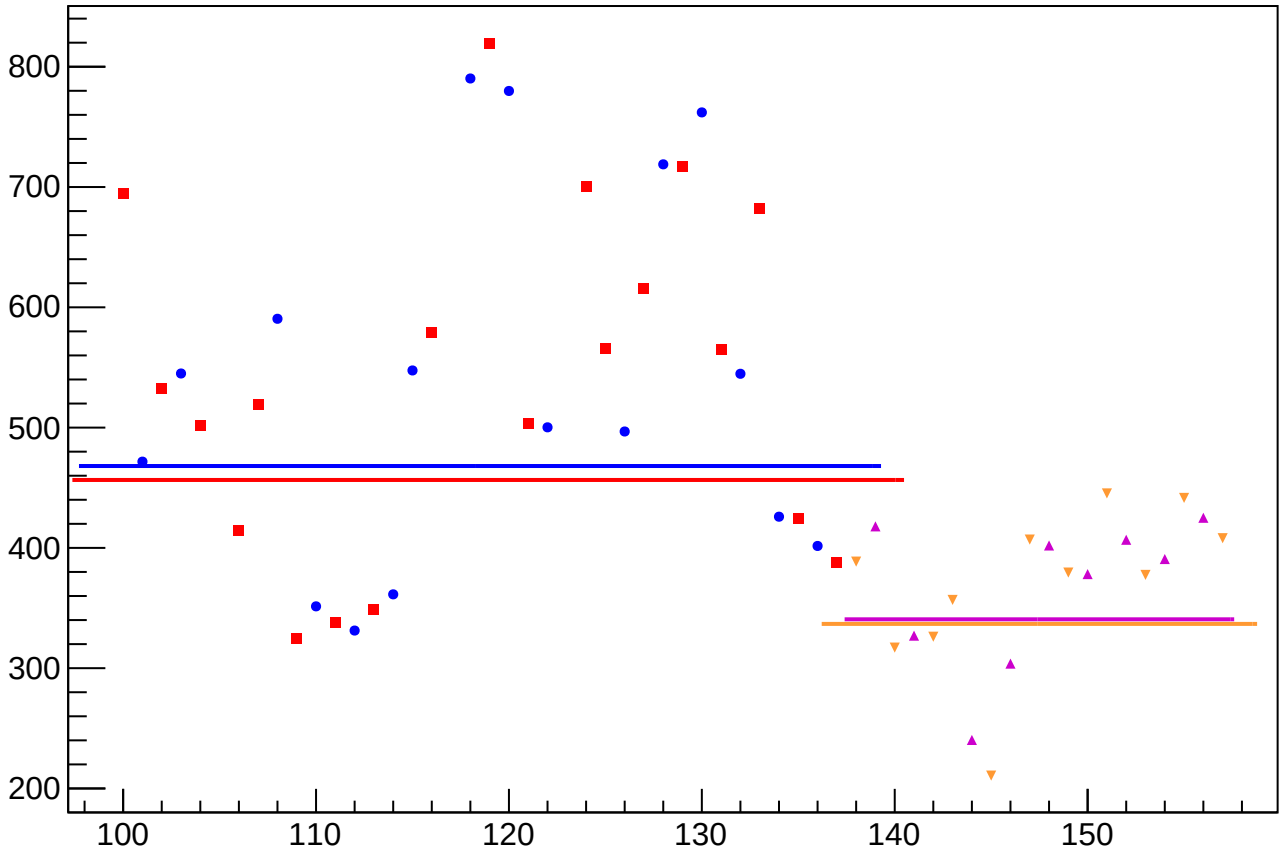
Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -80.349+/-124.898 χ^2/NDF:11.3/8

+ sign 284.378+/-98.822 χ^2/NDF: 54.0/26

All: 173.803+/-70.769 χ^2/NDF: 87.9/54

- sign 57.404+/-101.391 χ^2/NDF: 31.3/27



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 336.808+/-0.083 χ^2/NDF:942832.4/10

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

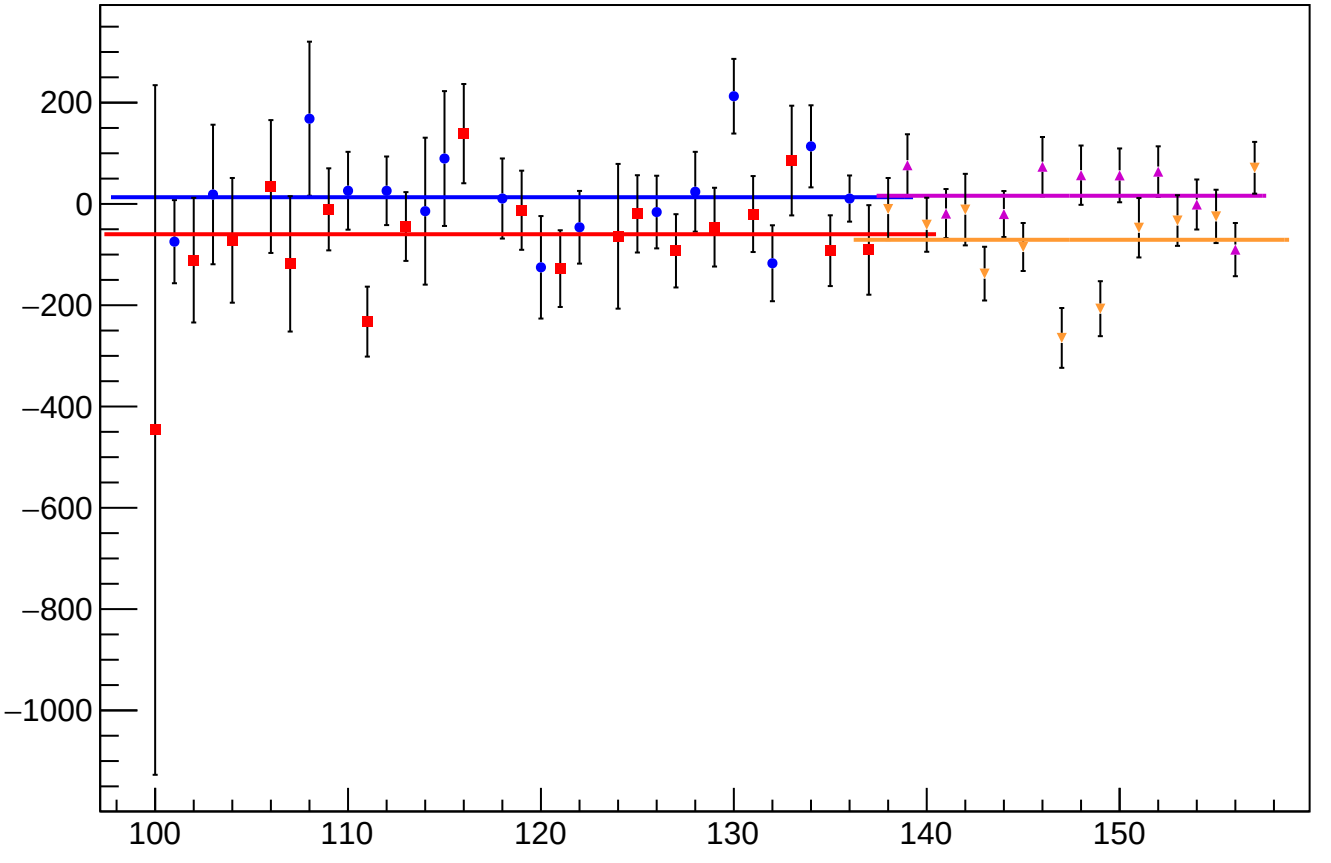
Left In: 340.625+/-0.088 χ^2/NDF:579457.2/8

+ sign 375.990+/-0.070 χ^2/NDF: 2664600.7/26

All: 378.005+/-0.050 χ^2/NDF: 4915012.5/54

- sign 380.127+/-0.072 χ^2/NDF: 2248704.6/27

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -70.797+/-16.484 χ^2/NDF:30.0/10

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

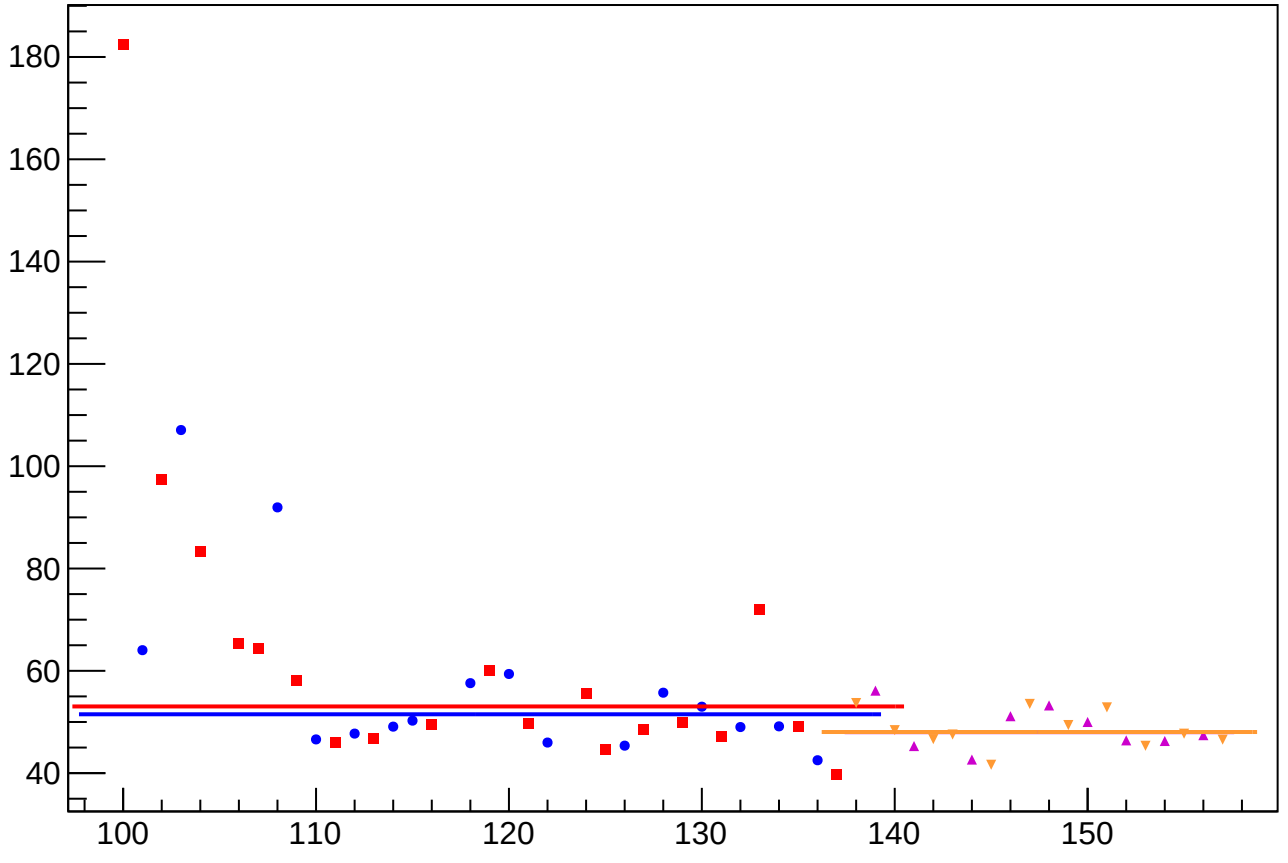
Left In: 16.138+/-17.439 χ^2/NDF:9.3/8

+ sign -36.486+/-12.681 χ^2/NDF: 57.8/26

All: -26.773+/-9.148 χ^2/NDF: 92.5/54

- sign -16.234+/-13.210 χ^2/NDF: 33.5/27

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.040+/-0.012 χ^2/NDF:94241.1/10

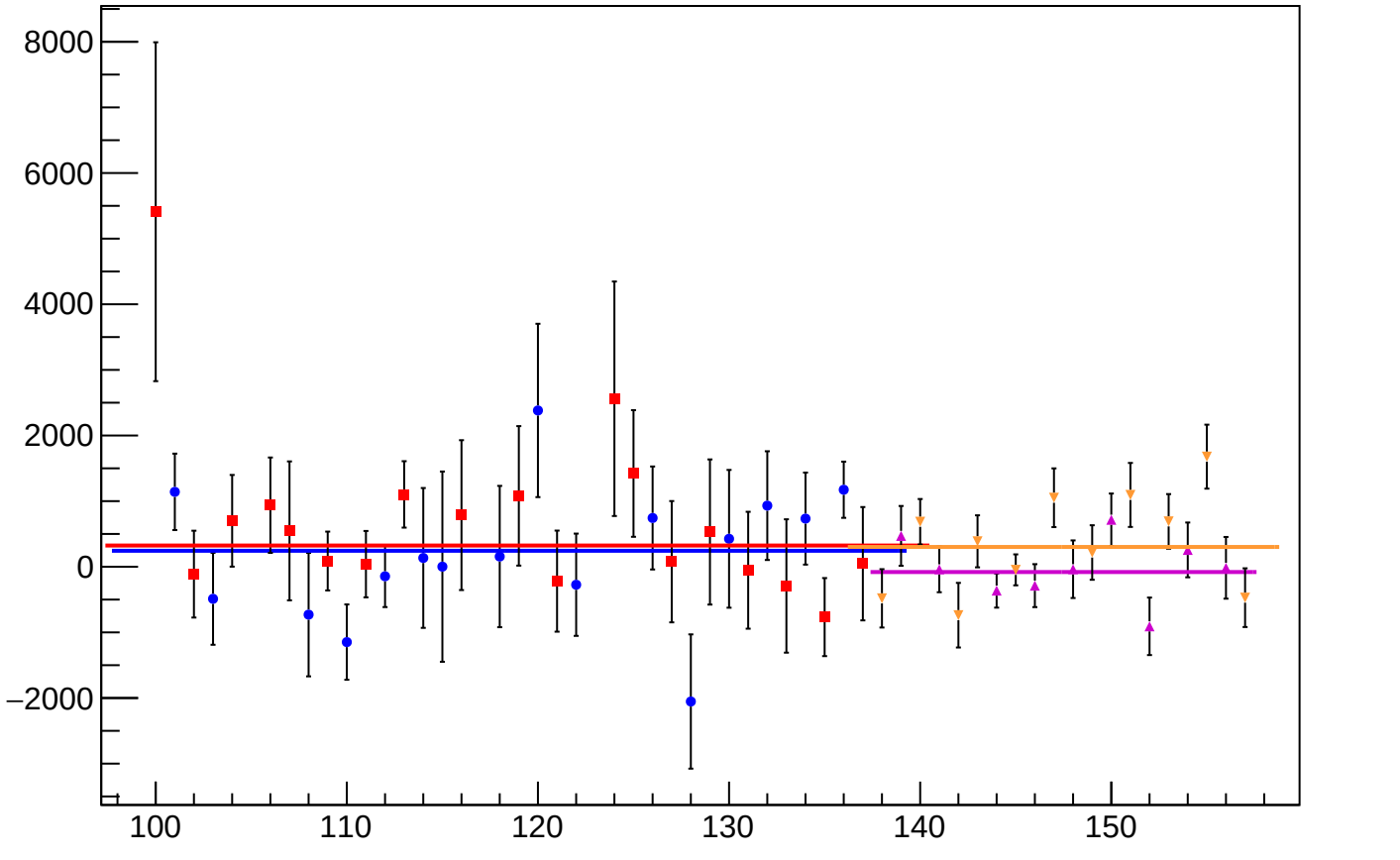
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.010+/-0.012 χ^2/NDF:98524.4/8

+ sign 49.455+/-0.009 χ^2/NDF: 797380.9/26

All: 49.790+/-0.006 χ^2/NDF: 1682568.3/54

- sign 50.153+/-0.009 χ^2/NDF: 882279.4/27



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 301.635+/-117.990 χ^2/NDF:28.4/10

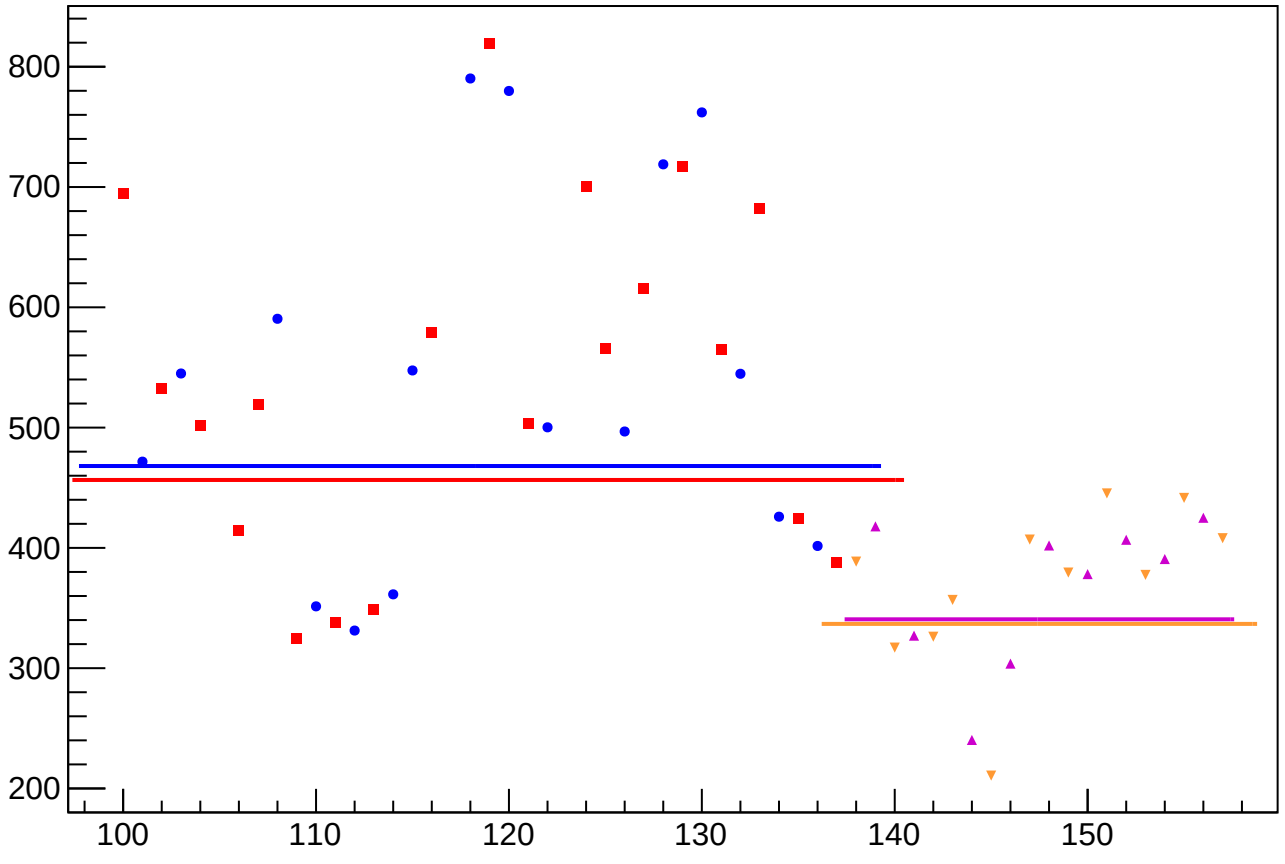
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -80.349+/-124.898 χ^2/NDF:11.3/8

+ sign 284.378+/-98.822 χ^2/NDF: 54.0/26

All: 173.803+/-70.769 χ^2/NDF: 87.9/54

- sign 57.404+/-101.391 χ^2/NDF: 31.3/27



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 336.808+/-0.083 χ^2/NDF:942837.2/10

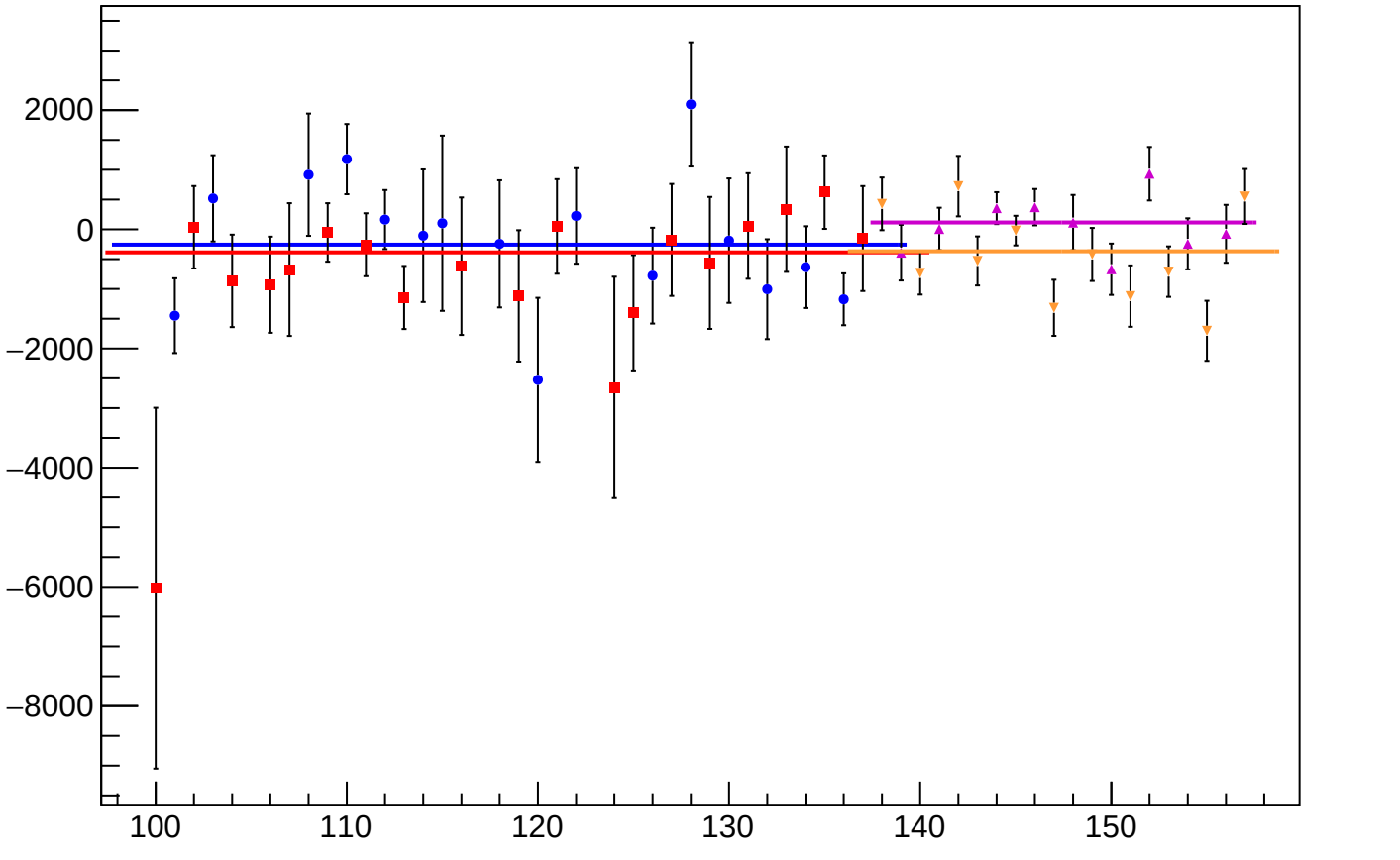
Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 340.625+/-0.088 χ^2/NDF:579458.9/8

+ sign 375.990+/-0.070 χ^2/NDF: 2664598.7/26

All: 378.005+/-0.050 χ^2/NDF: 4915000.4/54

- sign 380.127+/-0.072 χ^2/NDF: 2248694.3/27



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -368.127+/-122.900 χ^2/NDF:28.8/10

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

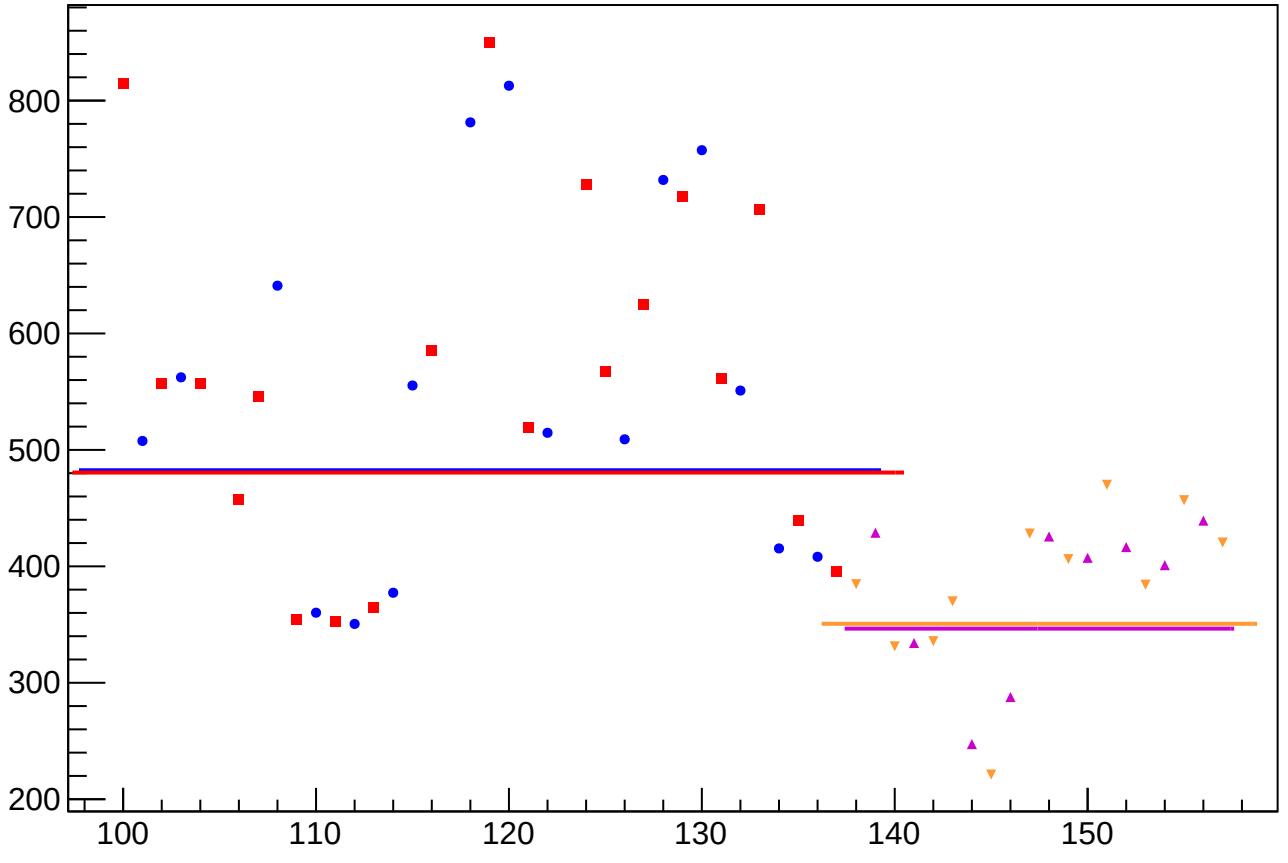
Left In: 115.271+/-127.267 χ^2/NDF:10.3/8

+ sign -334.395+/-102.615 χ^2/NDF: 56.0/26

All: -194.136+/-73.171 χ^2/NDF: 89.4/54

- sign -49.053+/-104.365 χ^2/NDF: 29.6/27

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 350.688+/-0.087 χ^2/NDF:905508.7/10

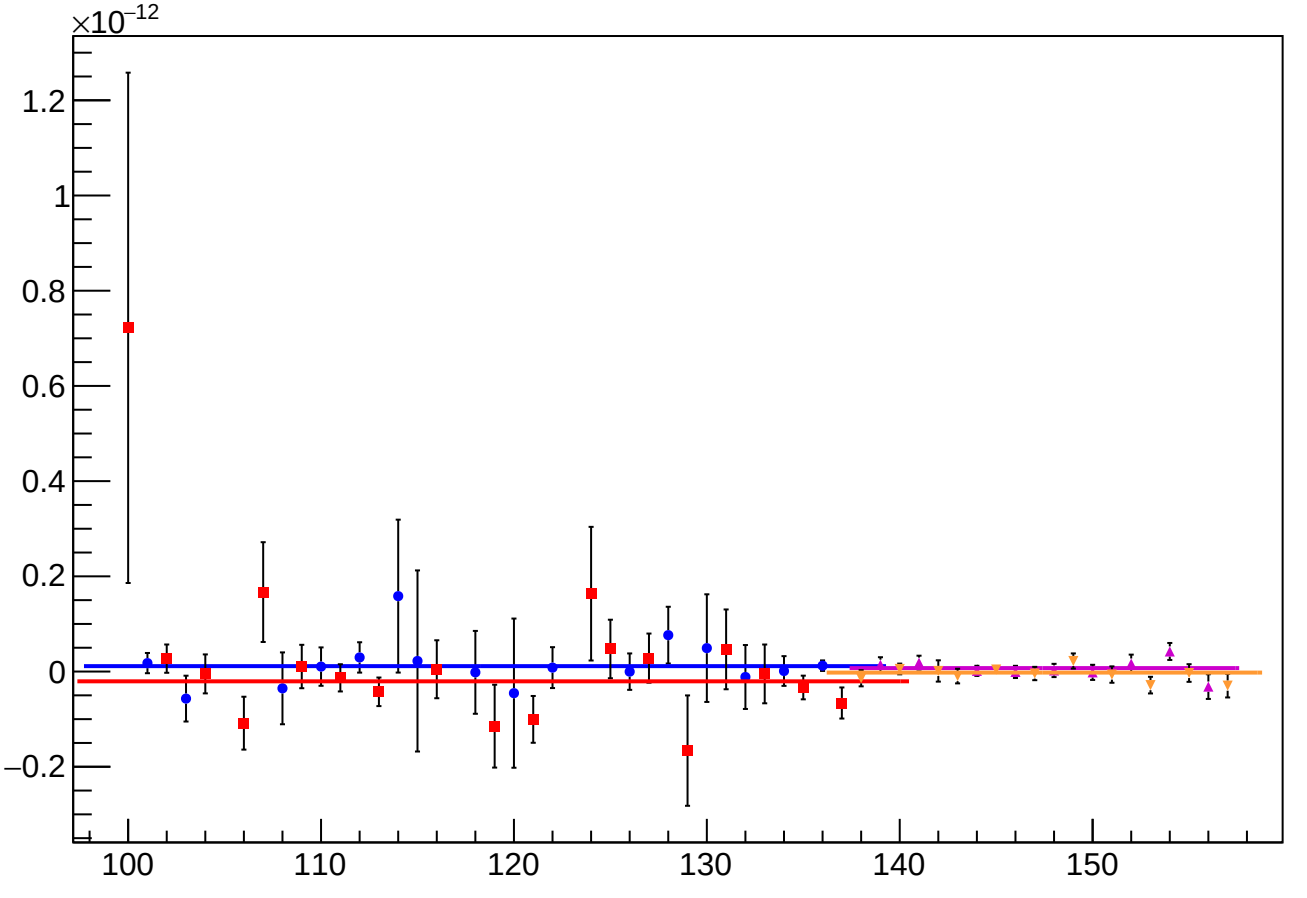
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 346.511+/-0.090 χ^2/NDF:664347.3/8

+ sign 390.612+/-0.073 χ^2/NDF: 2548923.2/26

All: 390.515+/-0.052 χ^2/NDF: 4933771.7/54

- sign 390.415+/-0.074 χ^2/NDF: 2384844.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/10

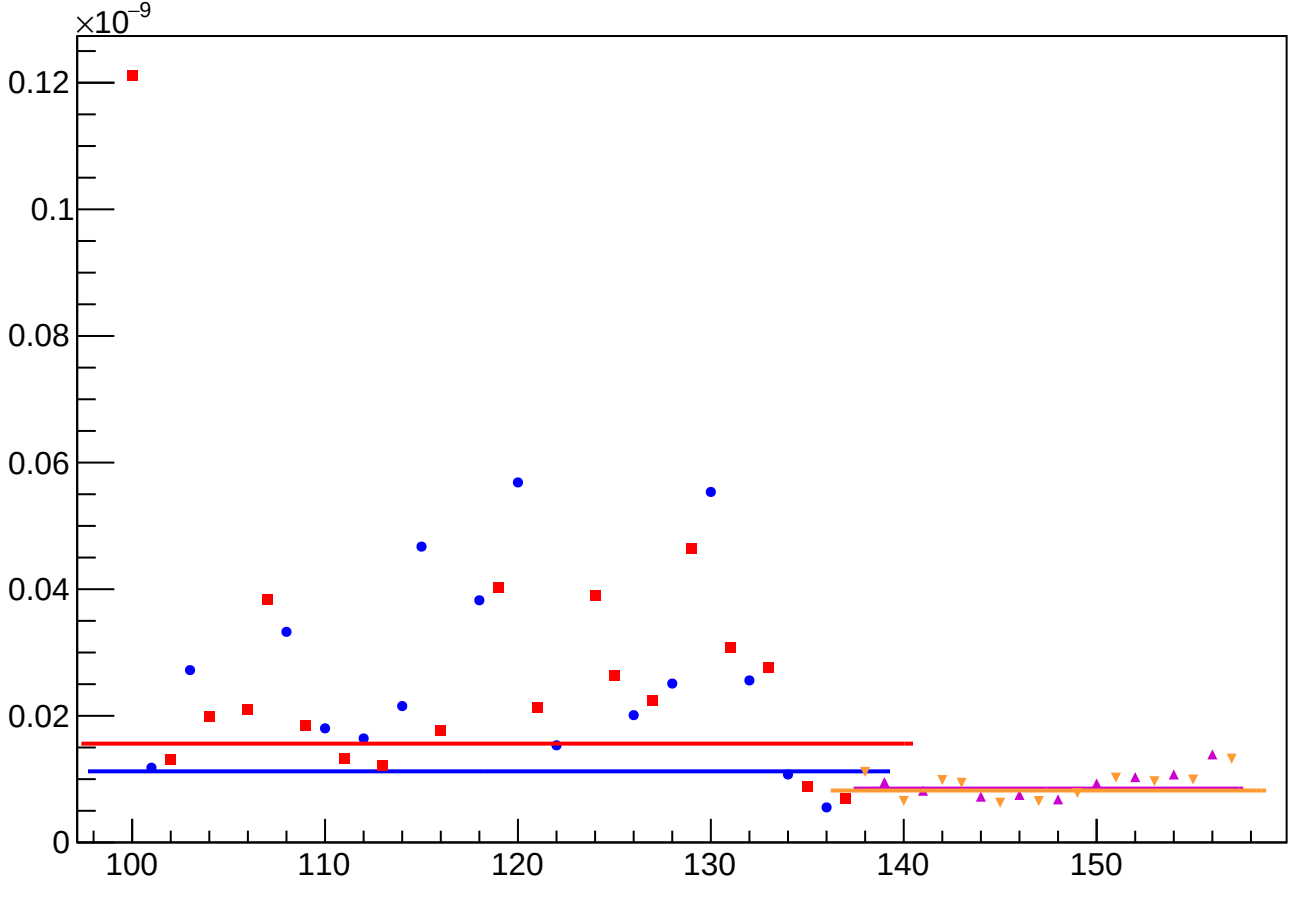
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 15.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.1/54

- sign 0.000+/-0.000 χ^2/NDF: 37.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:375470.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

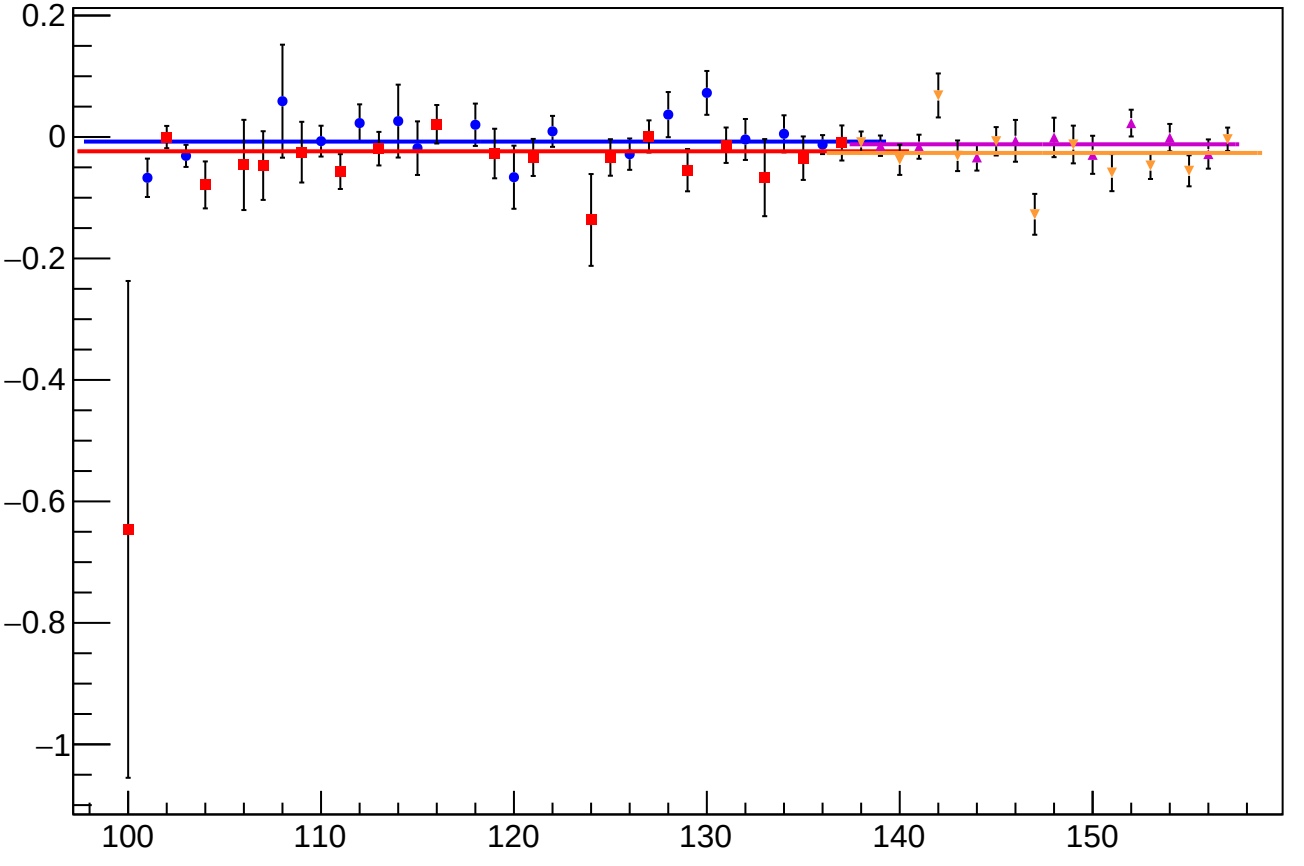
Left In: 0.000+/-0.000 χ^2/NDF:222094.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 2695236.8/26

All: 0.000+/-0.000 χ^2/NDF: 4925162.7/54

- sign 0.000+/-0.000 χ^2/NDF: 2182688.7/27

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

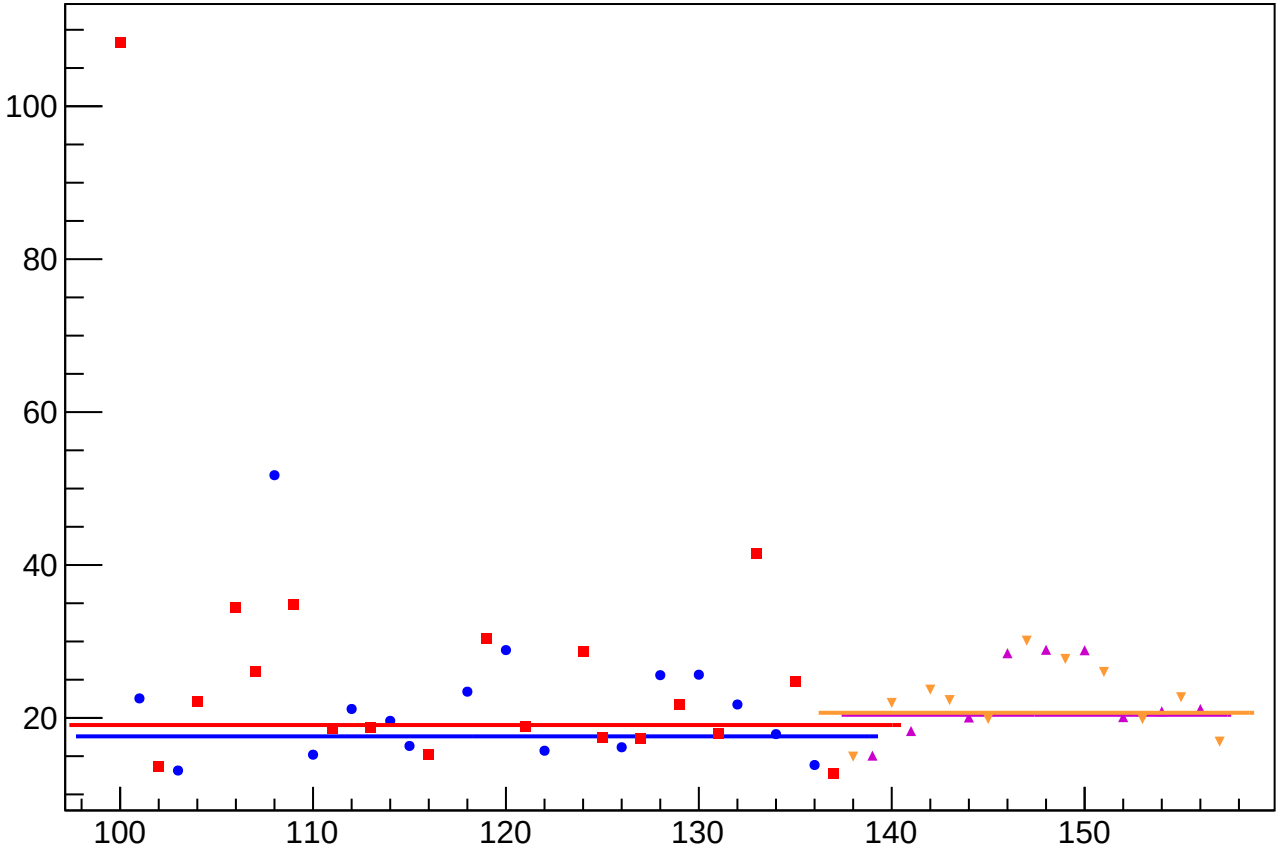
Left In: -0.012+/-0.008 χ^2/NDF:4.7/8

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.017+/-0.004 χ^2/NDF: 63.1/54

- sign -0.018+/-0.005 χ^2/NDF: 20.4/27

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

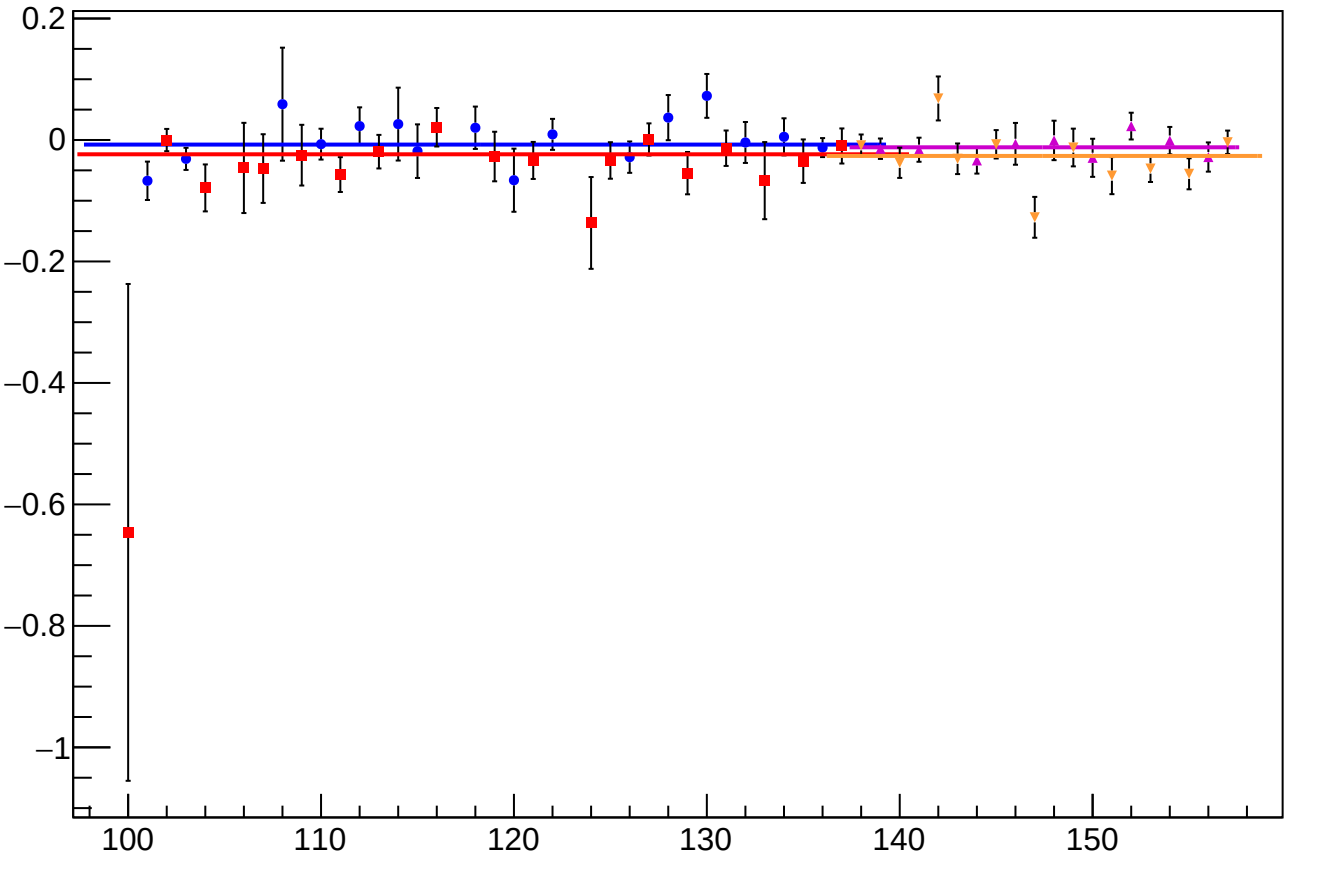
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.411+/-0.005 χ^2/NDF:620232.9/8

+ sign 19.089+/-0.004 χ^2/NDF: 1822622.2/26

All: 19.397+/-0.003 χ^2/NDF: 3735947.4/54

- sign 19.743+/-0.004 χ^2/NDF: 1898179.6/27



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

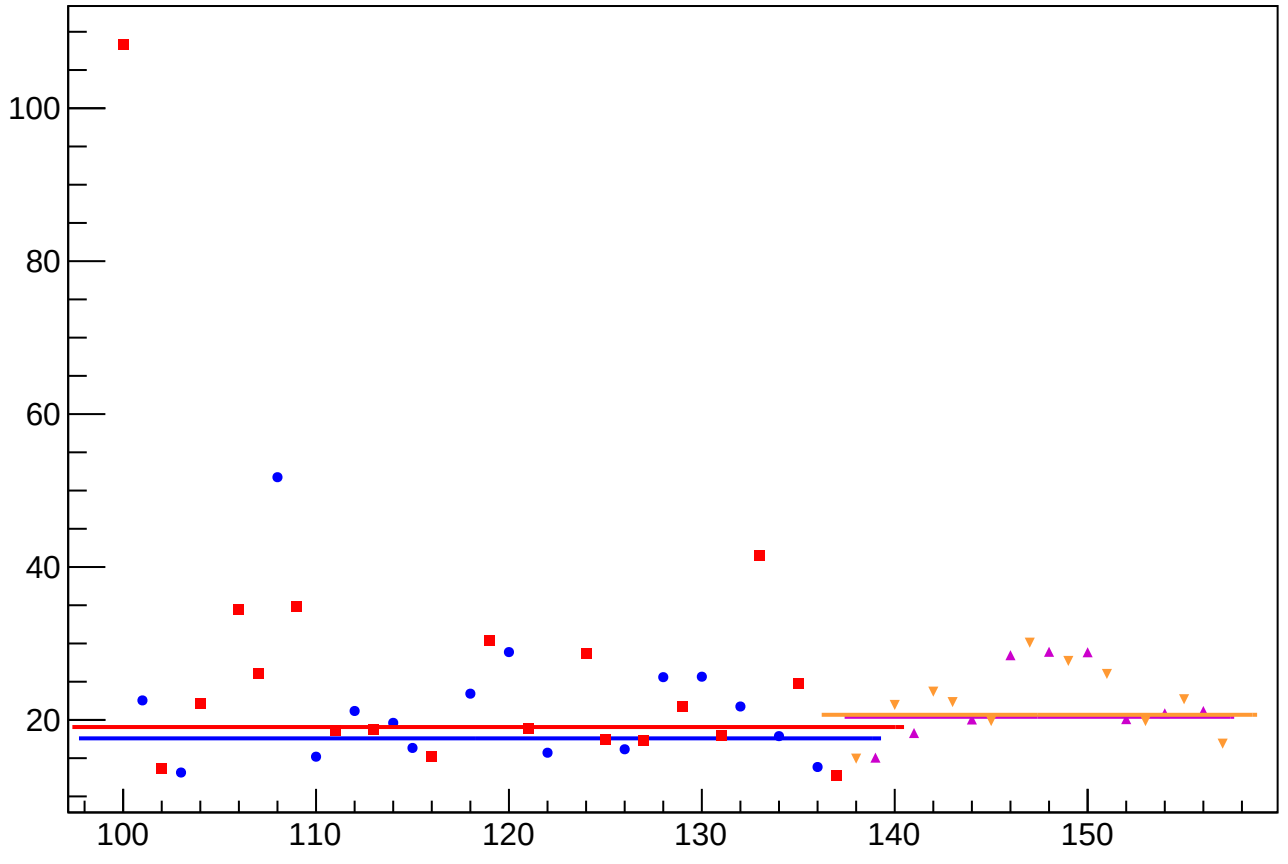
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.008 χ^2/NDF:4.7/8

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.017+/-0.004 χ^2/NDF: 63.1/54

- sign -0.018+/-0.005 χ^2/NDF: 20.4/27



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.1/10

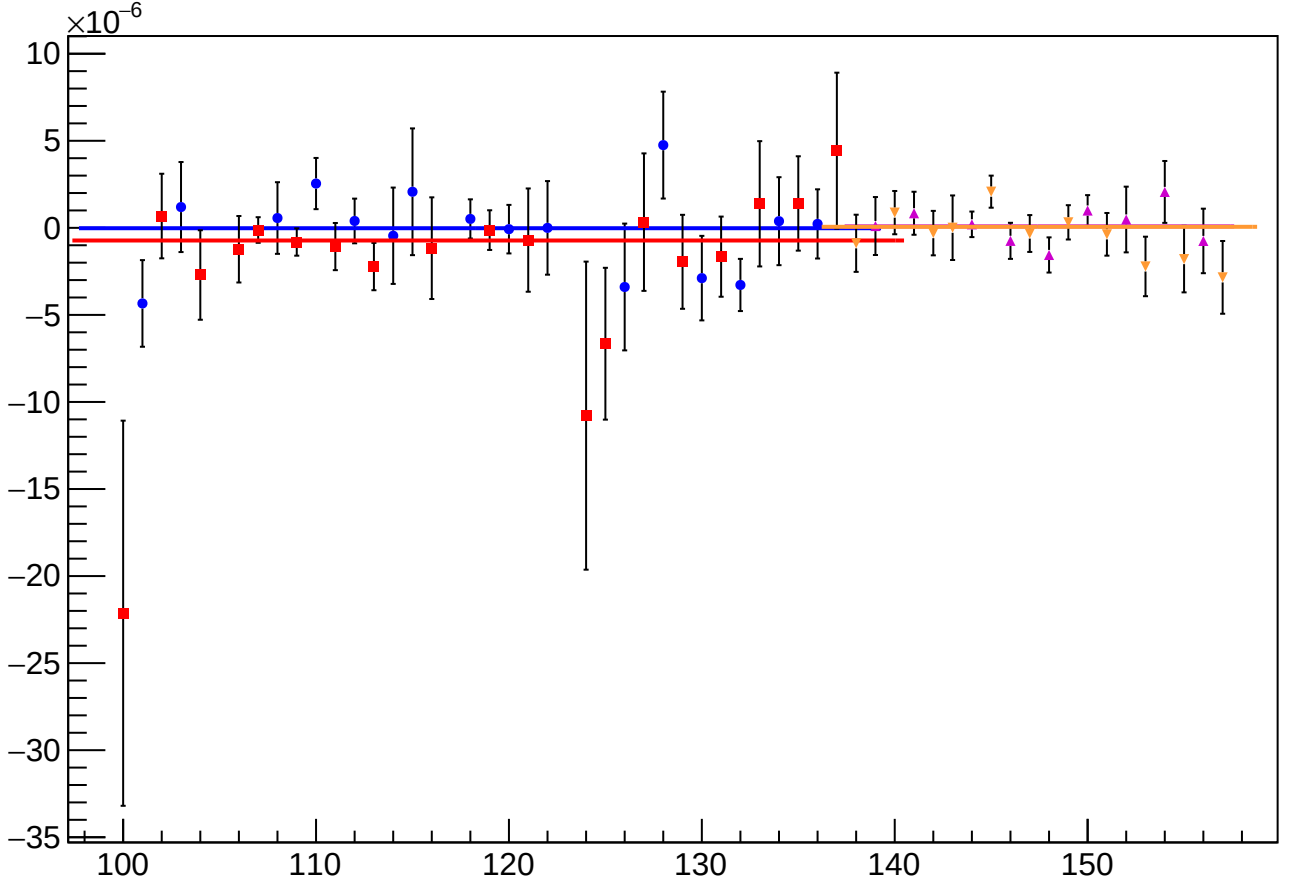
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.411+/-0.005 χ^2/NDF:620232.9/8

+ sign 19.089+/-0.004 χ^2/NDF: 1822622.2/26

All: 19.397+/-0.003 χ^2/NDF: 3735947.4/54

- sign 19.743+/-0.004 χ^2/NDF: 1898179.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/10

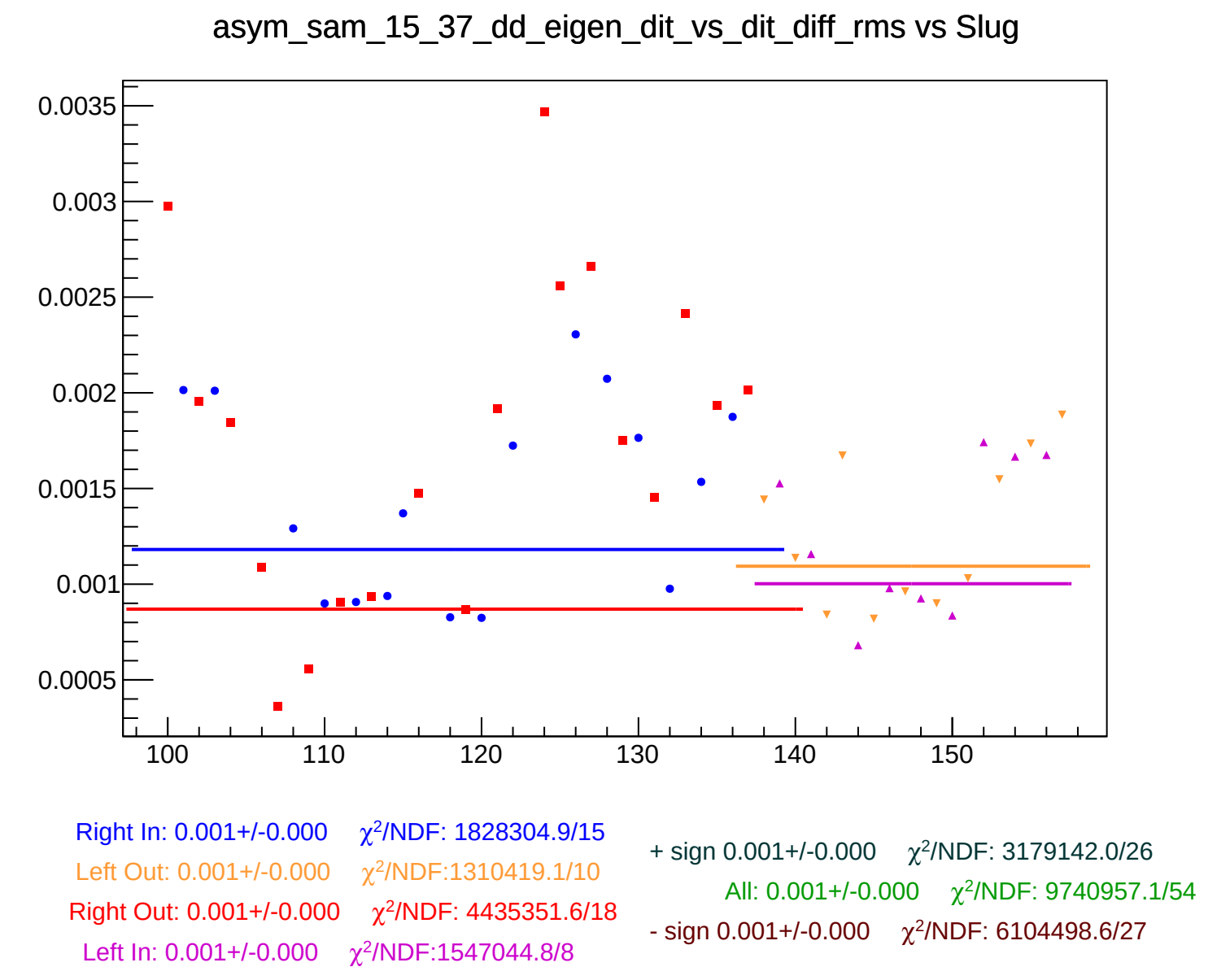
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

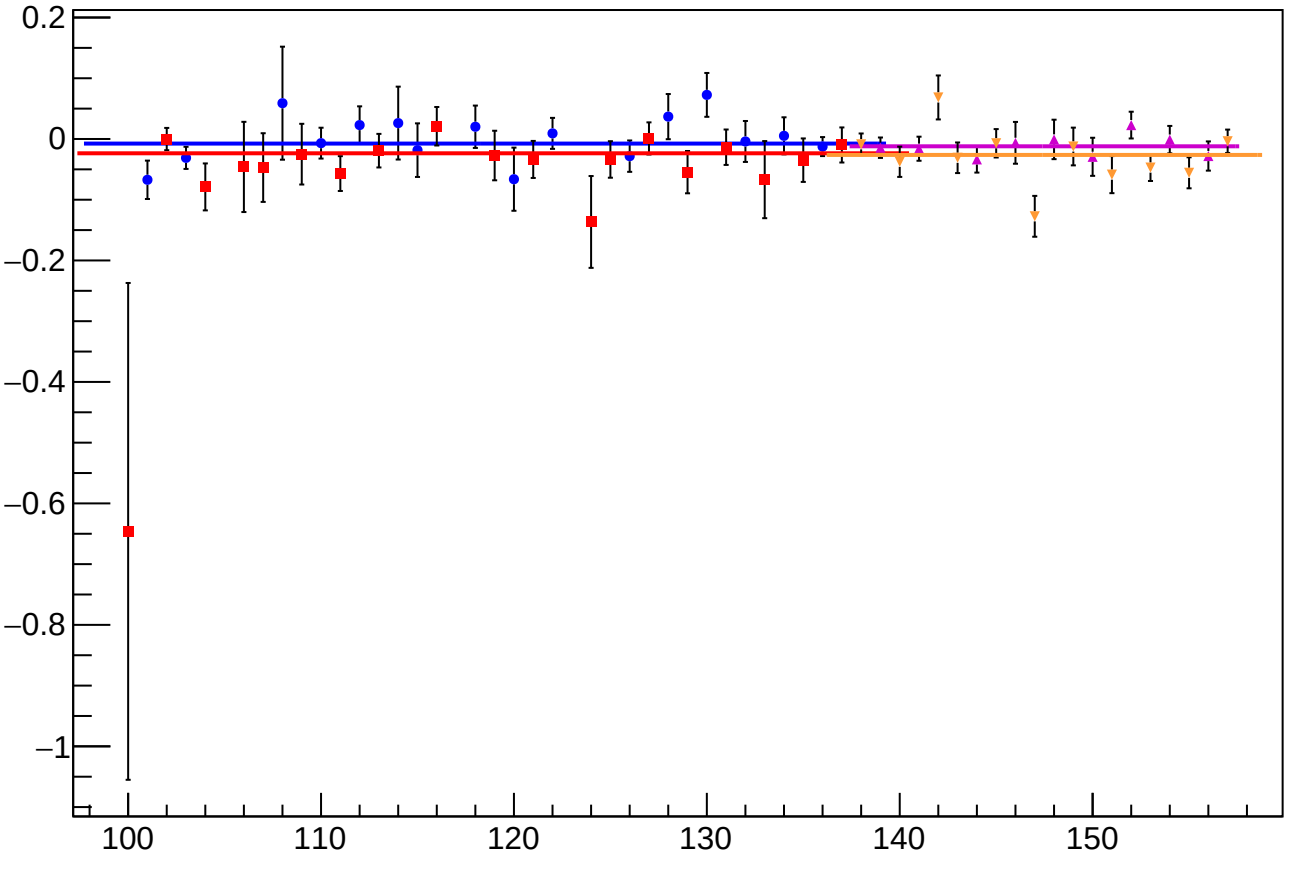
Left In: 0.000+/-0.000 χ^2/NDF:6.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 27.1/26

All: -0.000+/-0.000 χ^2/NDF: 49.2/54

- sign -0.000+/-0.000 χ^2/NDF: 21.4/27


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1310419.1/10
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:1547044.8/8
+ sign 0.001+/-0.000 χ²/NDF: 3179142.0/26
All: 0.001+/-0.000 χ²/NDF: 9740957.1/54
- sign 0.001+/-0.000 χ²/NDF: 6104498.6/27



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

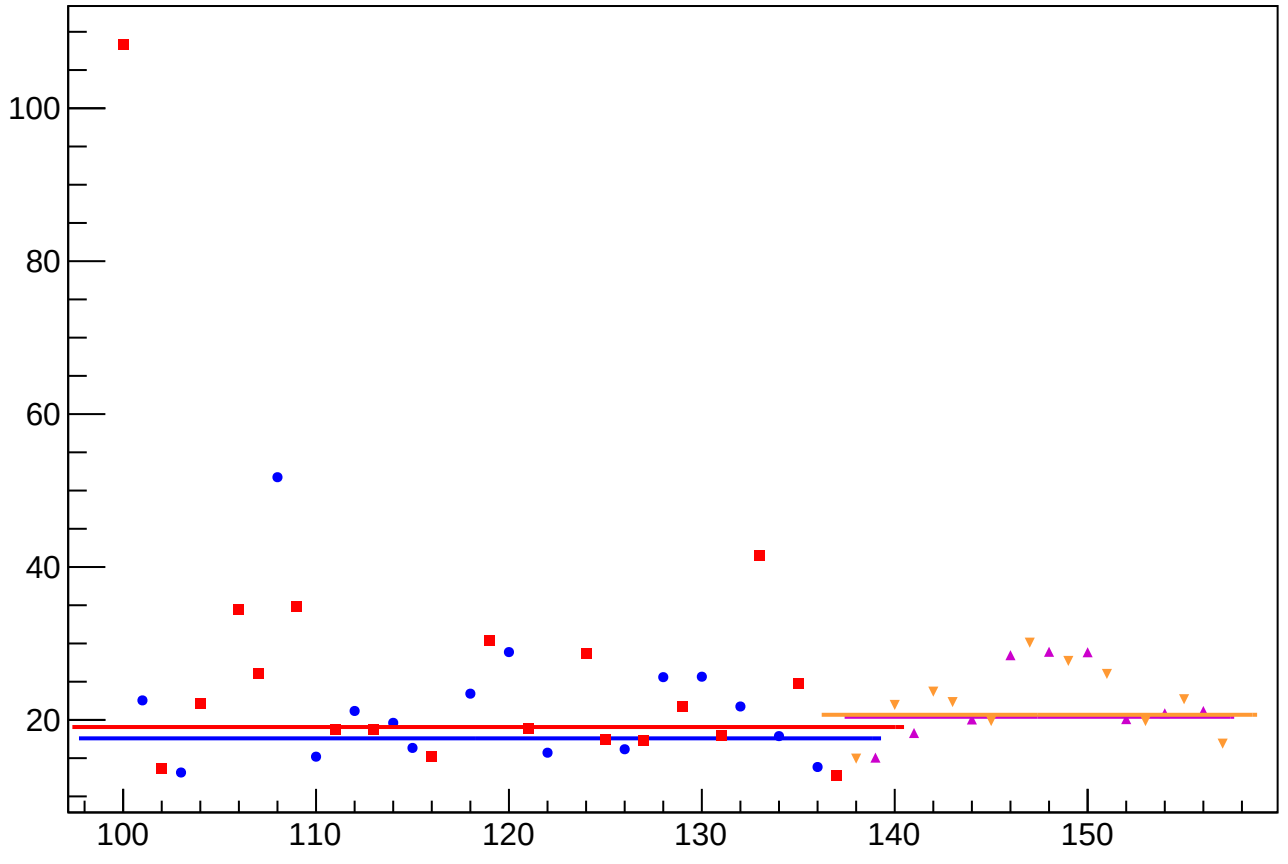
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.008 χ^2/NDF:4.7/8

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.017+/-0.004 χ^2/NDF: 63.1/54

- sign -0.018+/-0.005 χ^2/NDF: 20.4/27



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

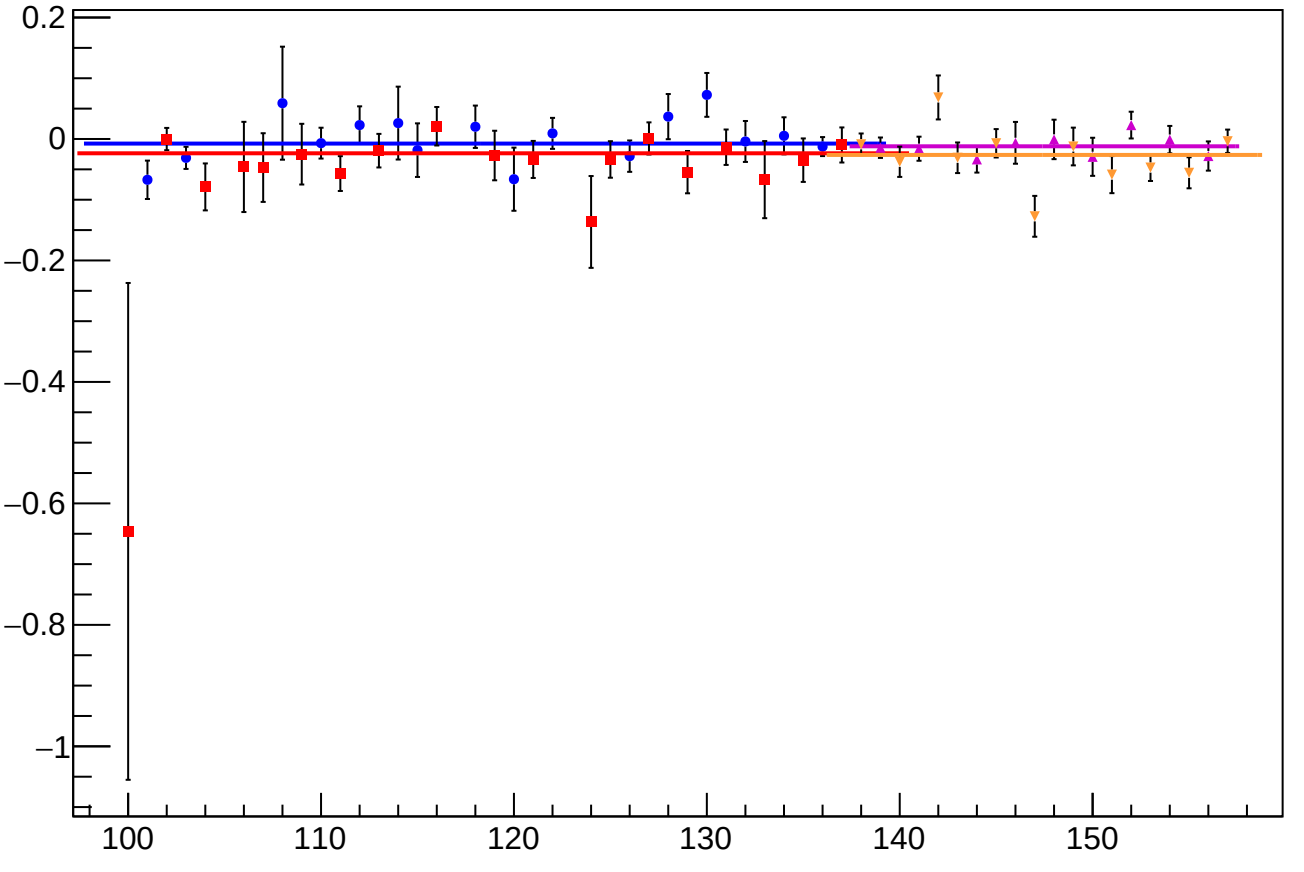
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.411+/-0.005 χ^2/NDF:620192.9/8

+ sign 19.089+/-0.004 χ^2/NDF: 1822676.5/26

All: 19.397+/-0.003 χ^2/NDF: 3735889.8/54

- sign 19.743+/-0.004 χ^2/NDF: 1898058.4/27



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.026+/-0.007 χ^2/NDF:22.6/10

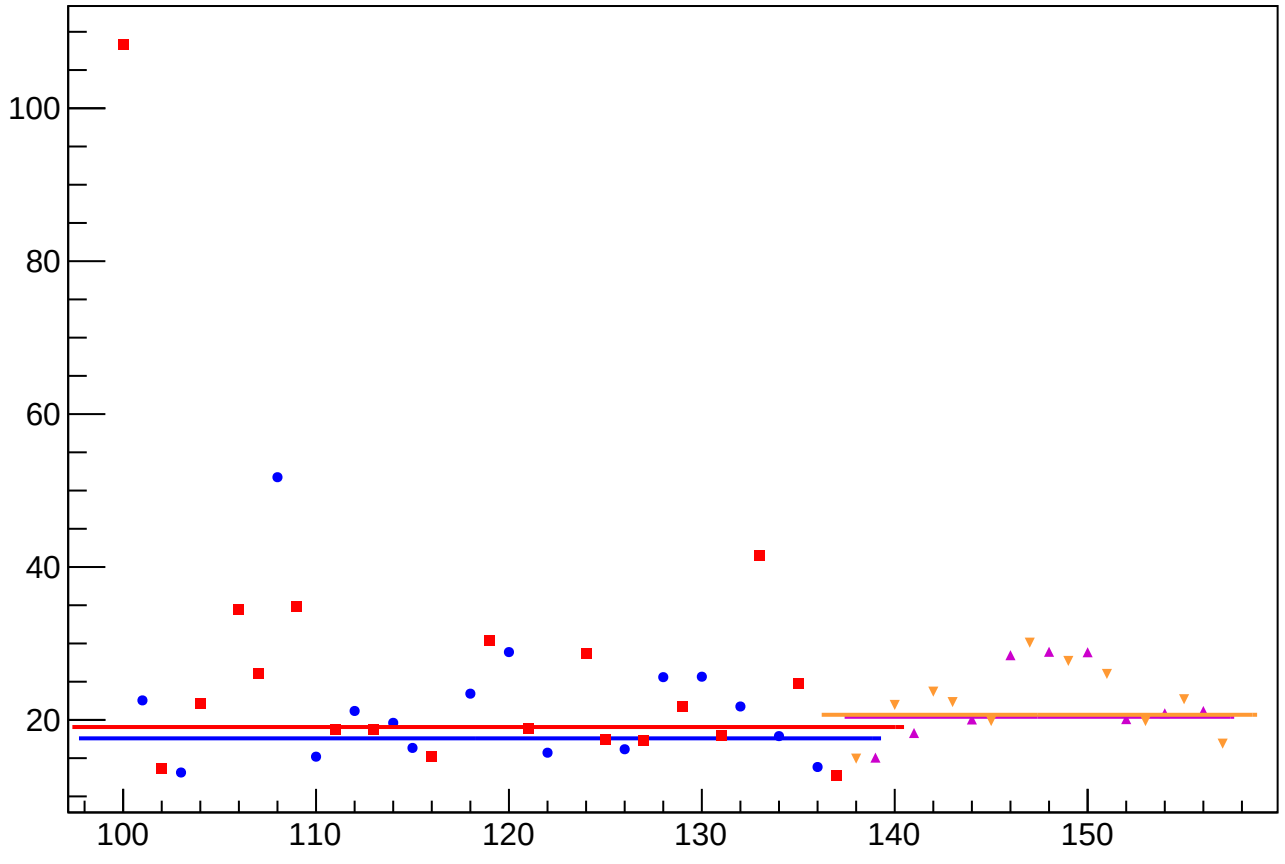
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.012+/-0.008 χ^2/NDF:4.7/8

+ sign -0.017+/-0.005 χ^2/NDF: 42.6/26

All: -0.017+/-0.004 χ^2/NDF: 63.1/54

- sign -0.018+/-0.005 χ^2/NDF: 20.4/27



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 20.674+/-0.005 χ^2/NDF:651320.7/10

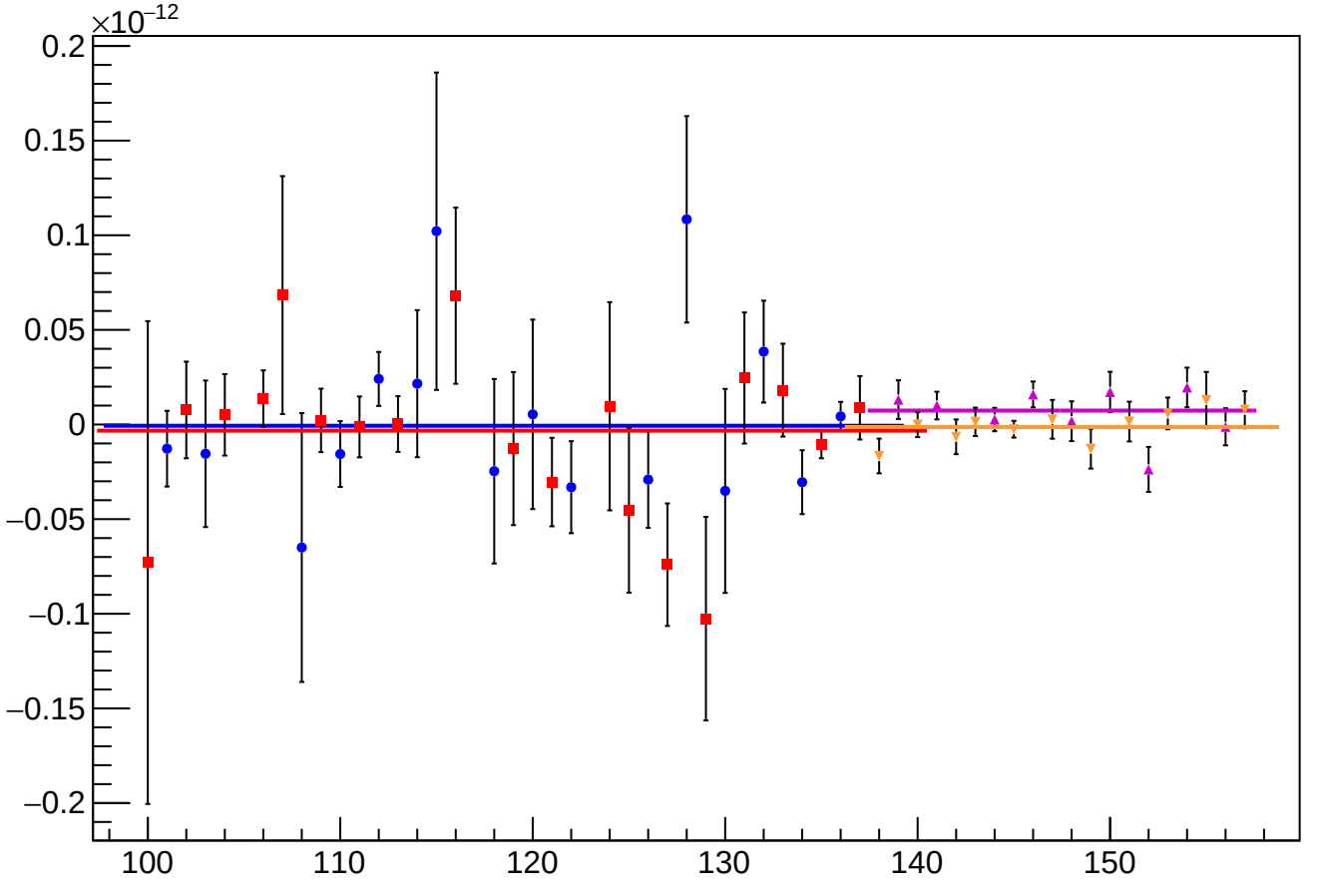
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.411+/-0.005 χ^2/NDF:620192.9/8

+ sign 19.089+/-0.004 χ^2/NDF: 1822676.5/26

All: 19.397+/-0.003 χ^2/NDF: 3735889.8/54

- sign 19.743+/-0.004 χ^2/NDF: 1898058.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/10

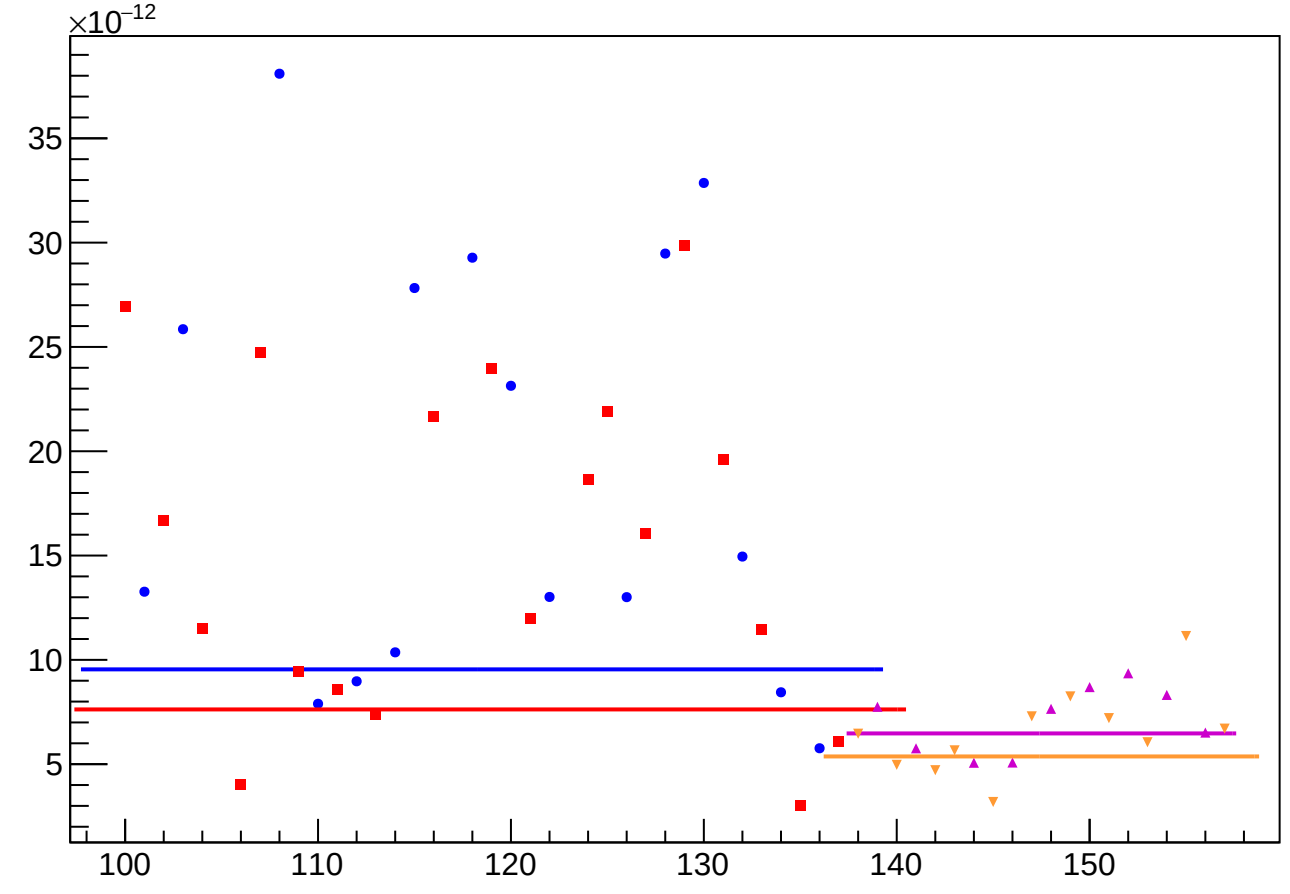
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/26

All: 0.000+/-0.000 χ^2/NDF: 66.2/54

- sign 0.000+/-0.000 χ^2/NDF: 35.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1170147.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

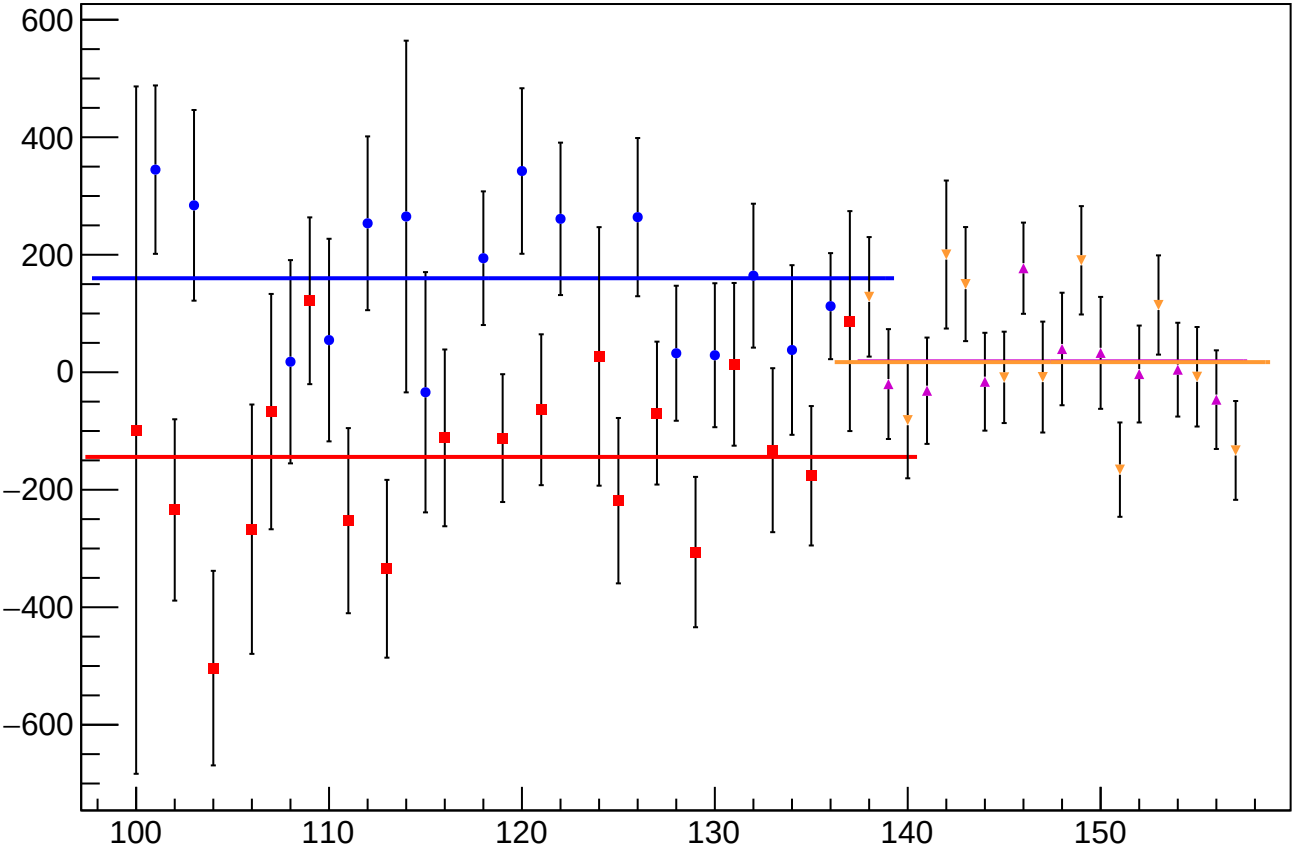
Left In: 0.000+/-0.000 χ^2/NDF:528465.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 4910011.2/26

All: 0.000+/-0.000 χ^2/NDF: 8702562.0/54

- sign 0.000+/-0.000 χ^2/NDF: 3707515.4/27

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.263+/-27.328 χ^2/NDF:19.7/10

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

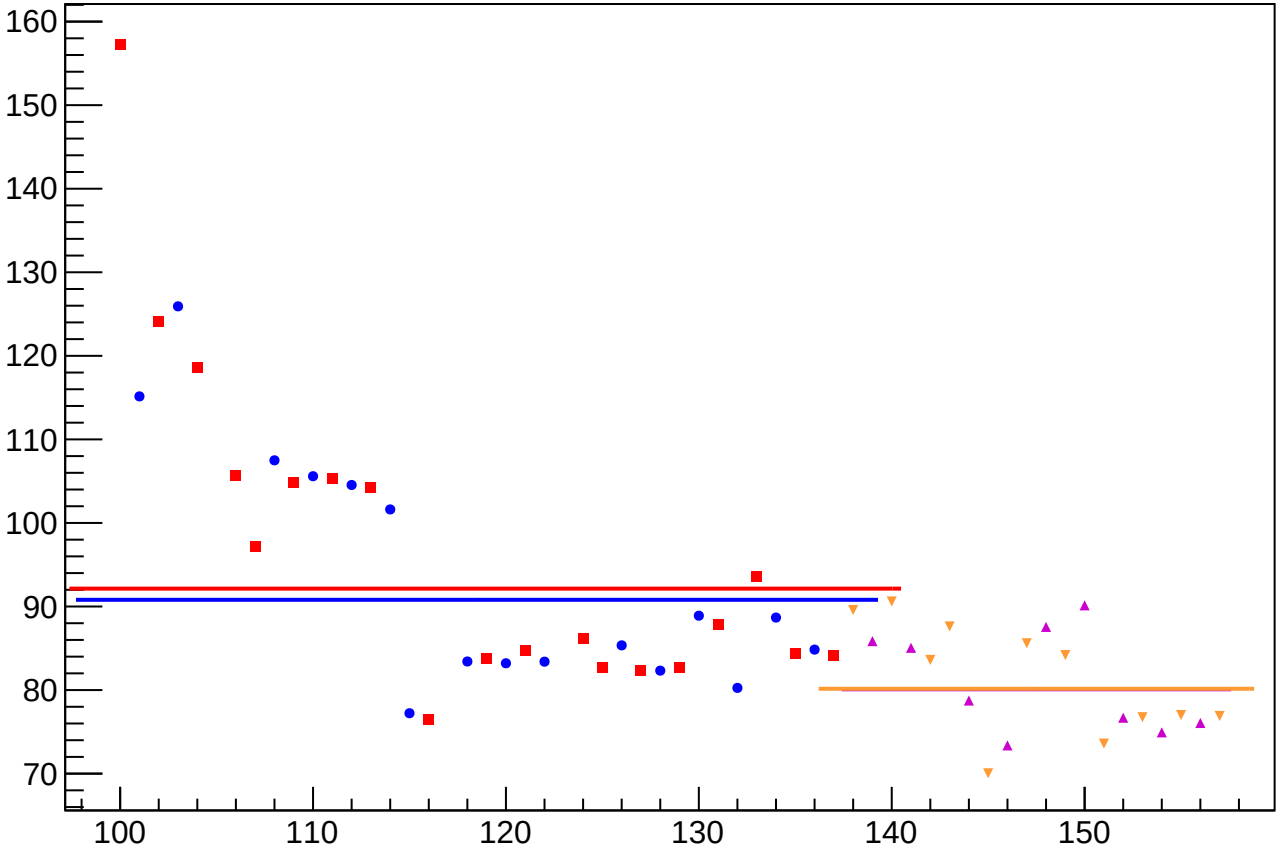
Left In: 18.581+/-28.728 χ^2/NDF:5.6/8

+ sign 72.954+/-21.342 χ^2/NDF: 41.4/26

All: 13.978+/-15.319 χ^2/NDF: 93.4/54

- sign -48.696+/-22.001 χ^2/NDF: 36.3/27

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

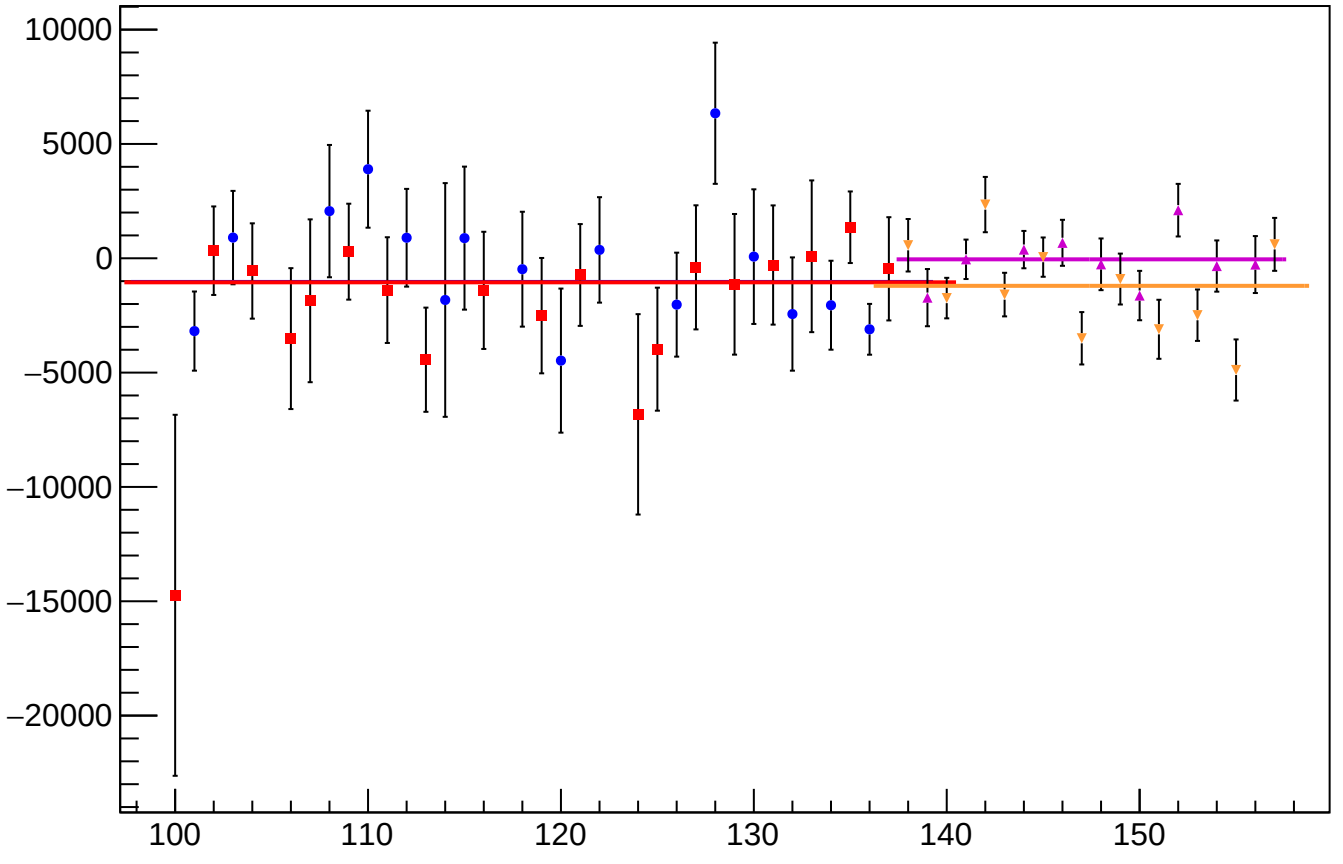
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.092+/-0.020 χ^2/NDF:79871.4/8

+ sign 84.310+/-0.015 χ^2/NDF: 510582.5/26

All: 84.681+/-0.011 χ^2/NDF: 1039216.2/54

- sign 85.074+/-0.016 χ^2/NDF: 527390.7/27



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1205.062+/-325.533 χ^2/NDF:31.3/10

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

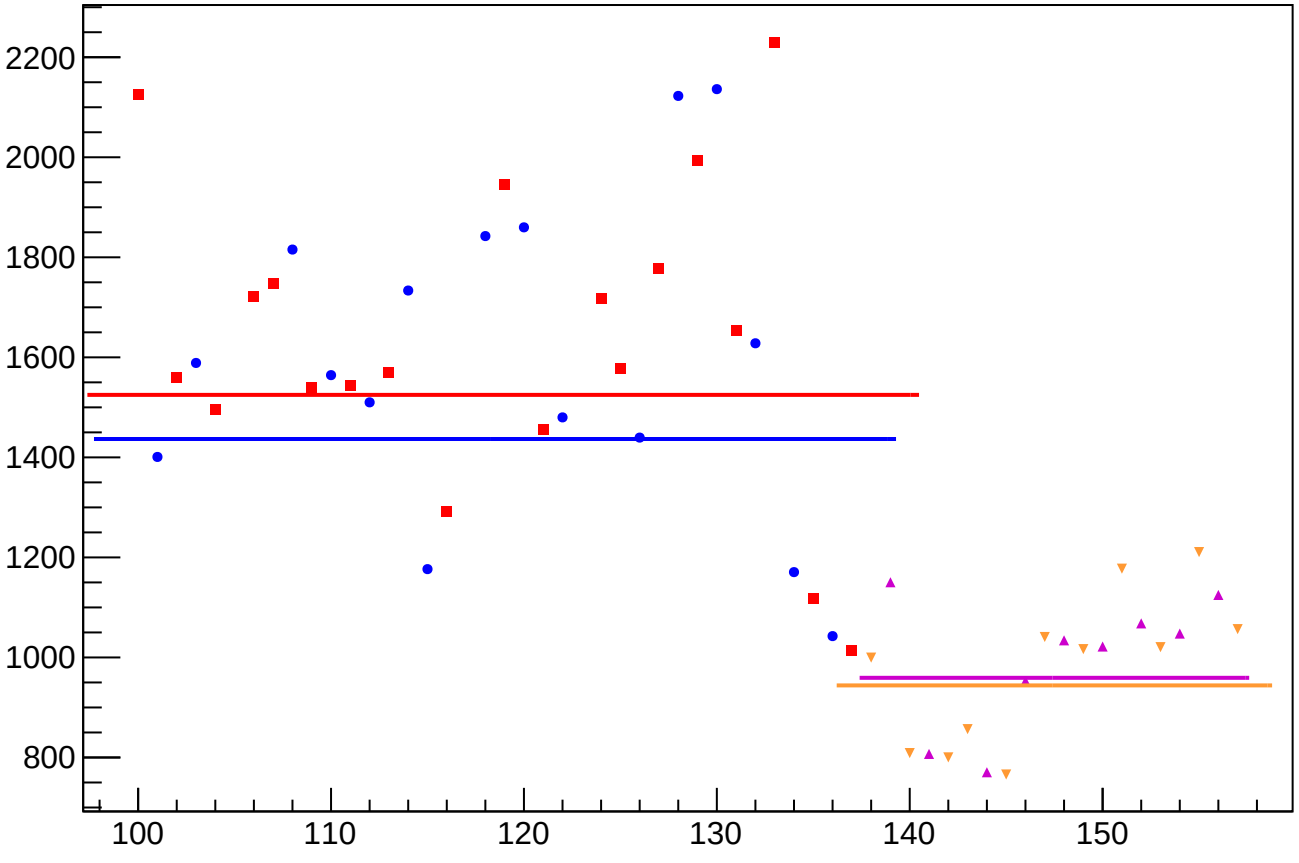
Left In: -46.316+/-346.917 χ^2/NDF:8.4/8

+ sign -1160.975+/-280.168 χ^2/NDF: 51.6/26

All: -763.270+/-203.539 χ^2/NDF: 79.4/54

- sign -318.764+/-296.195 χ^2/NDF: 23.5/27

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 944.102+/-0.230 χ^2/NDF:378136.2/10

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

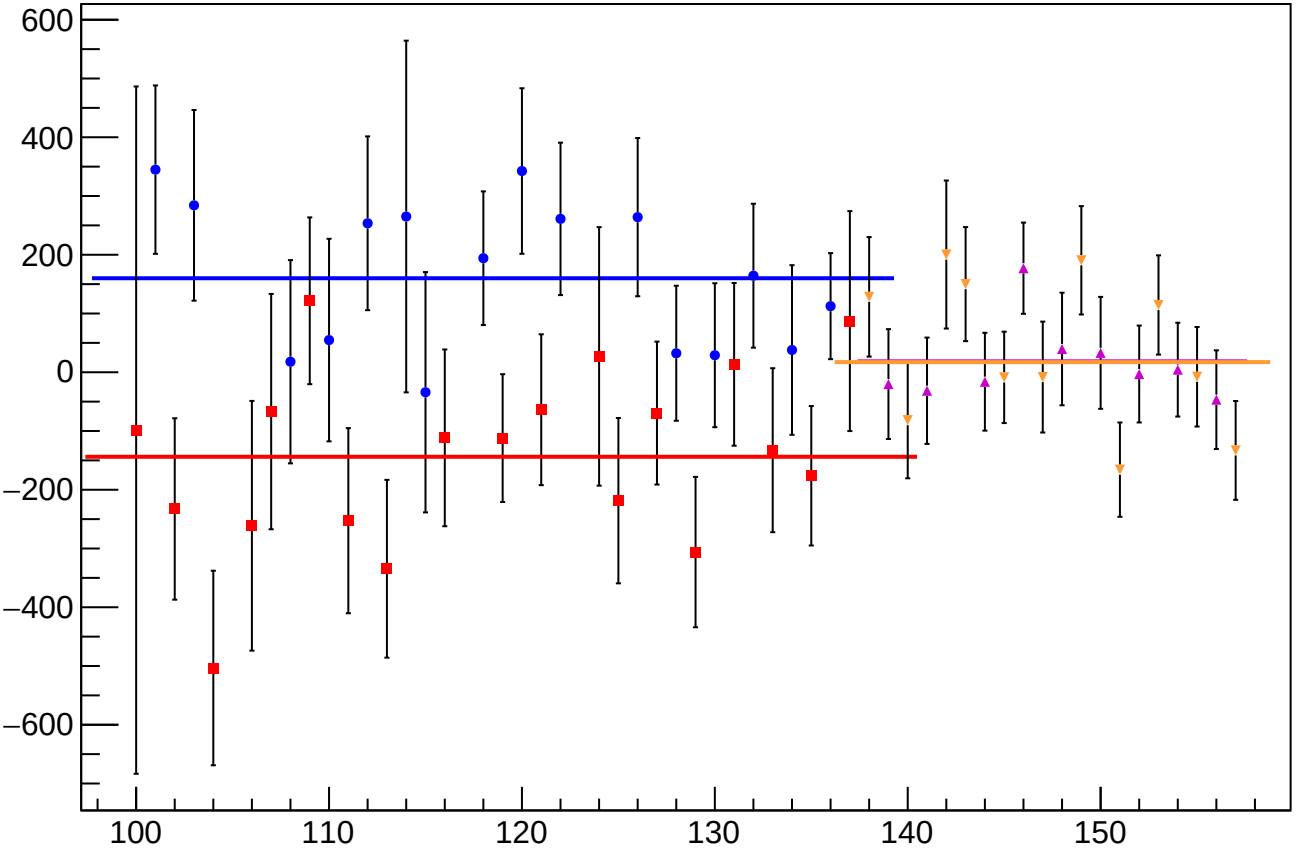
Left In: 959.290+/-0.245 χ^2/NDF:297155.9/8

+ sign 1071.837+/-0.198 χ^2/NDF: 2241412.4/26

All: 1091.089+/-0.144 χ^2/NDF: 4504346.2/54

- sign 1112.607+/-0.209 χ^2/NDF: 2242934.2/27

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

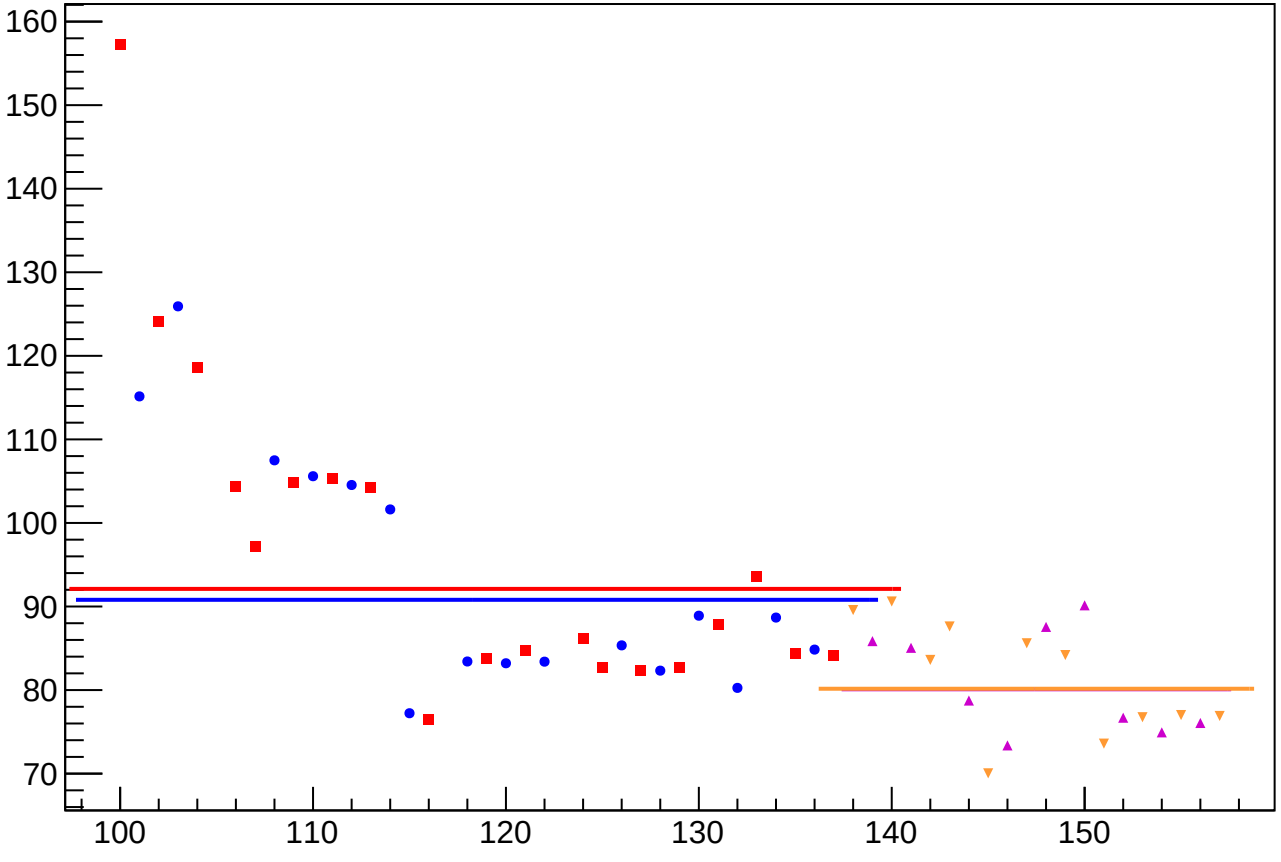
Left In: 18.581+/-28.728 χ^2/NDF:5.6/8

+ sign 72.956+/-21.342 χ^2/NDF: 41.4/26

All: 14.034+/-15.319 χ^2/NDF: 93.3/54

- sign -48.585+/-22.001 χ^2/NDF: 36.2/27

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

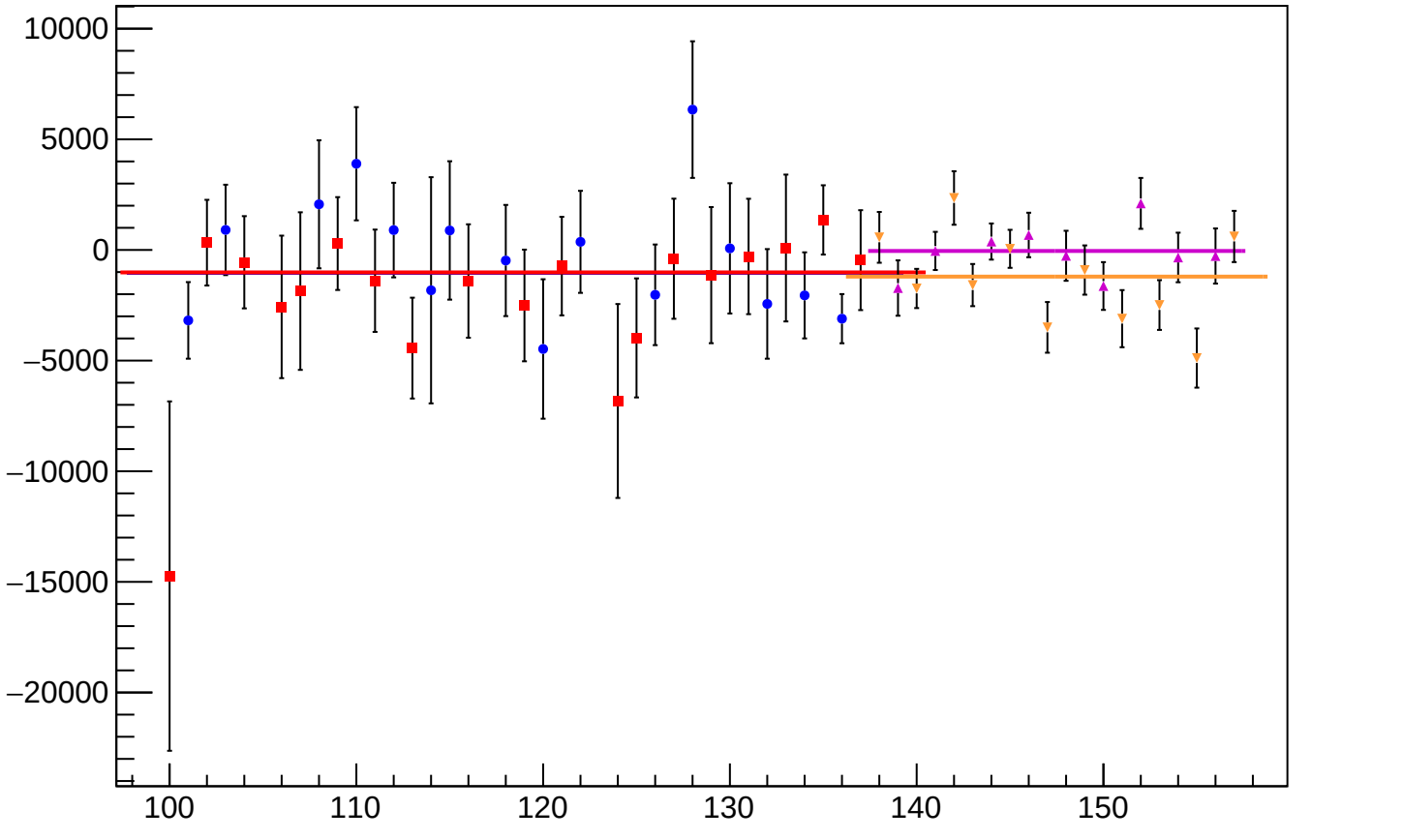
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.092+/-0.020 χ^2/NDF:79871.4/8

+ sign 84.310+/-0.015 χ^2/NDF: 510584.4/26

All: 84.674+/-0.011 χ^2/NDF: 1037100.1/54

- sign 85.060+/-0.016 χ^2/NDF: 525318.0/27



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

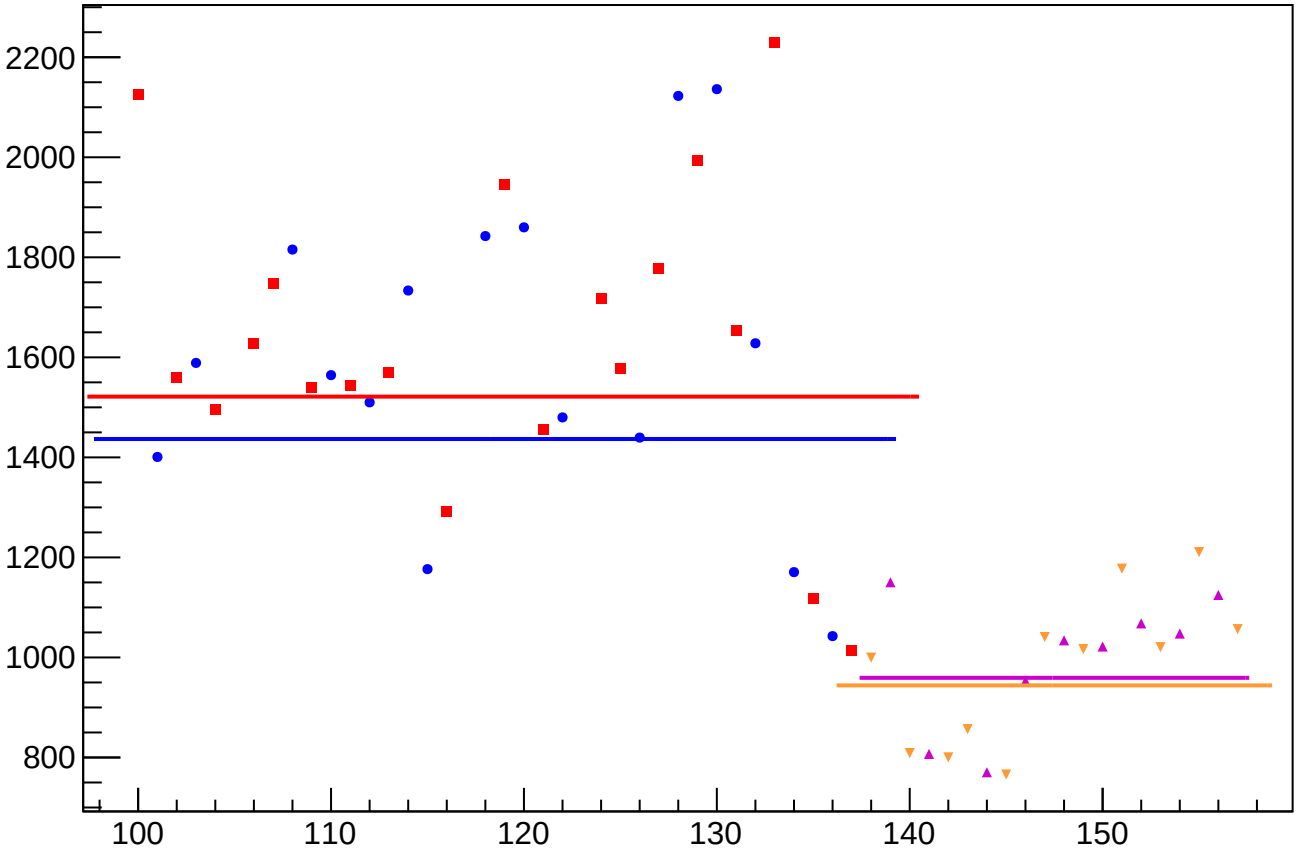
Left In: -46.319+/-346.917 χ^2/NDF:8.4/8

+ sign -1160.964+/-280.169 χ^2/NDF: 51.6/26

All: -758.544+/-203.577 χ^2/NDF: 78.9/54

- sign -308.410+/-296.313 χ^2/NDF: 22.9/27

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

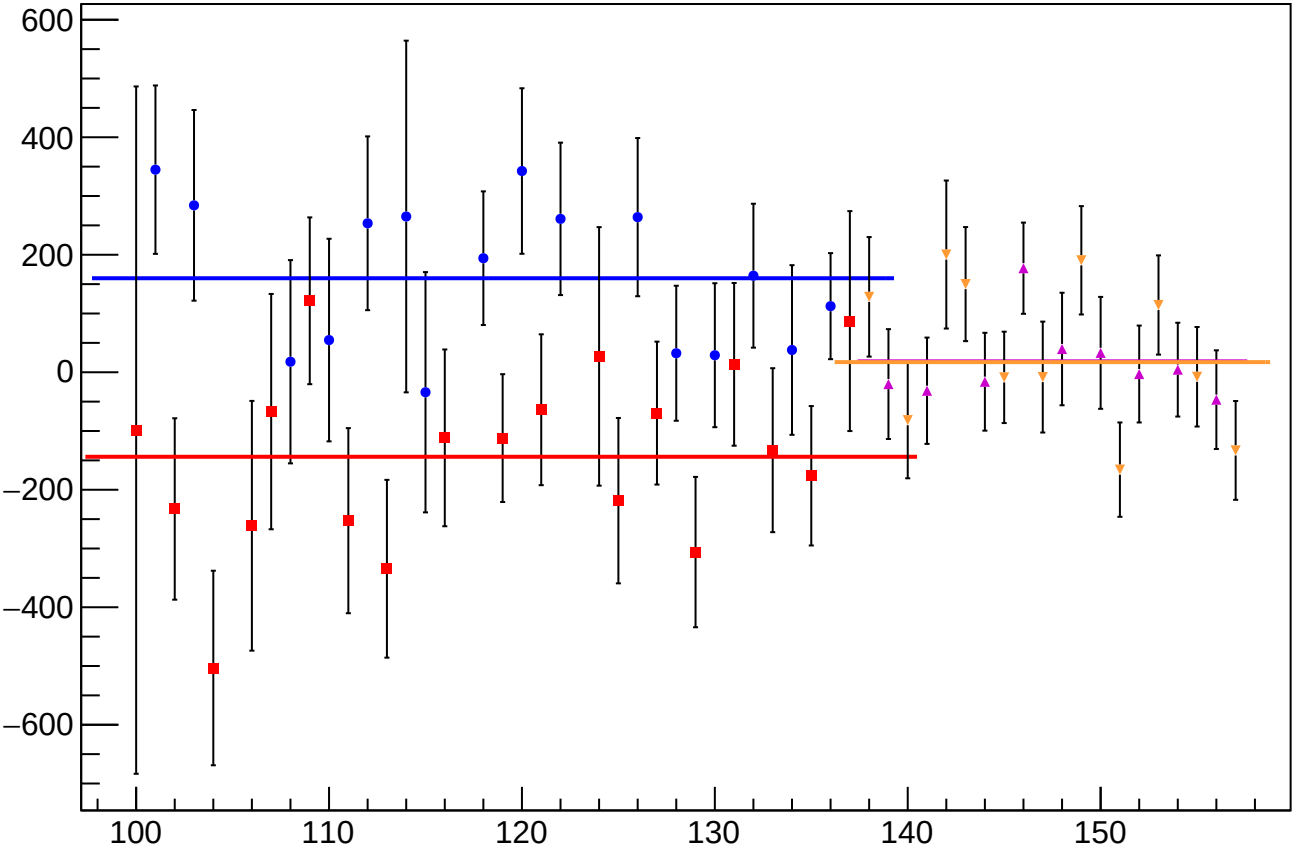
Left In: 959.290+/-0.245 χ^2/NDF:297156.0/8

+ sign 1071.837+/-0.198 χ^2/NDF: 2241435.9/26

All: 1090.484+/-0.144 χ^2/NDF: 4476314.3/54

- sign 1111.343+/-0.210 χ^2/NDF: 2216107.8/27

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 17.268+/-27.328 χ^2/NDF:19.7/10

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

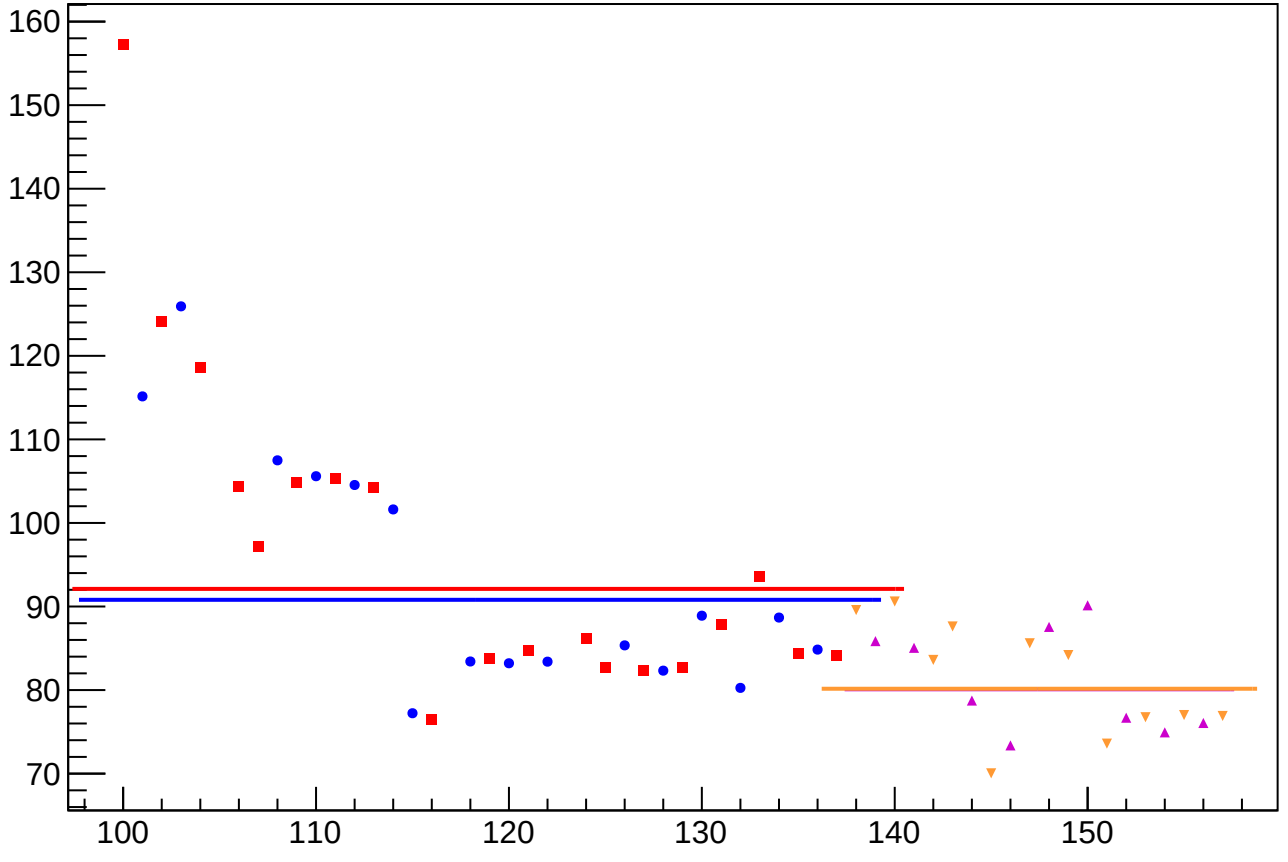
Left In: 18.581+/-28.728 χ^2/NDF:5.6/8

+ sign 72.956+/-21.342 χ^2/NDF: 41.4/26

All: 14.034+/-15.319 χ^2/NDF: 93.3/54

- sign -48.585+/-22.001 χ^2/NDF: 36.2/27

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.158+/-0.019 χ^2/NDF:119470.9/10

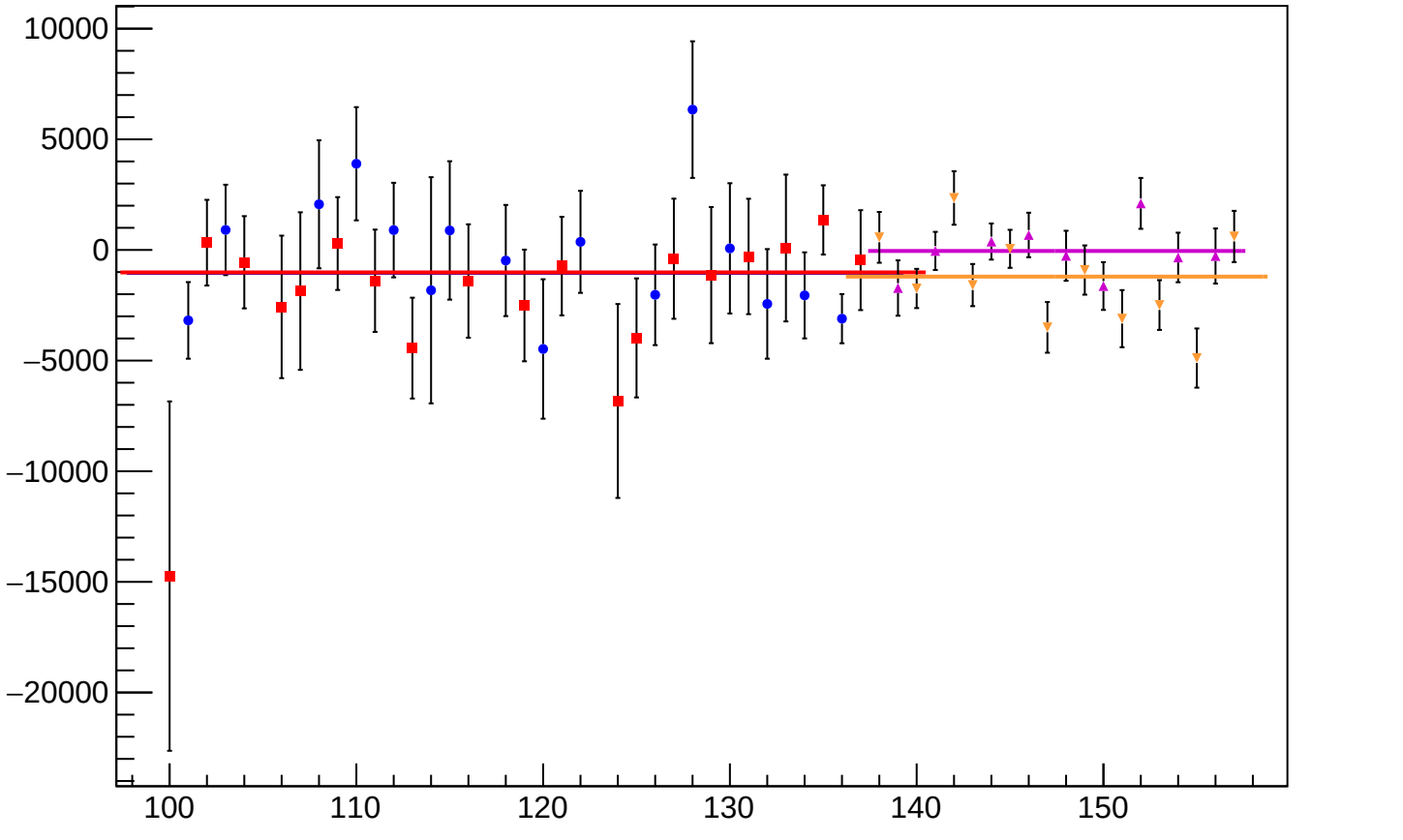
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.092+/-0.020 χ^2/NDF:79871.4/8

+ sign 84.310+/-0.015 χ^2/NDF: 510584.4/26

All: 84.674+/-0.011 χ^2/NDF: 1037100.1/54

- sign 85.060+/-0.016 χ^2/NDF: 525318.0/27



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1205.055+/-325.533 χ^2/NDF:31.3/10

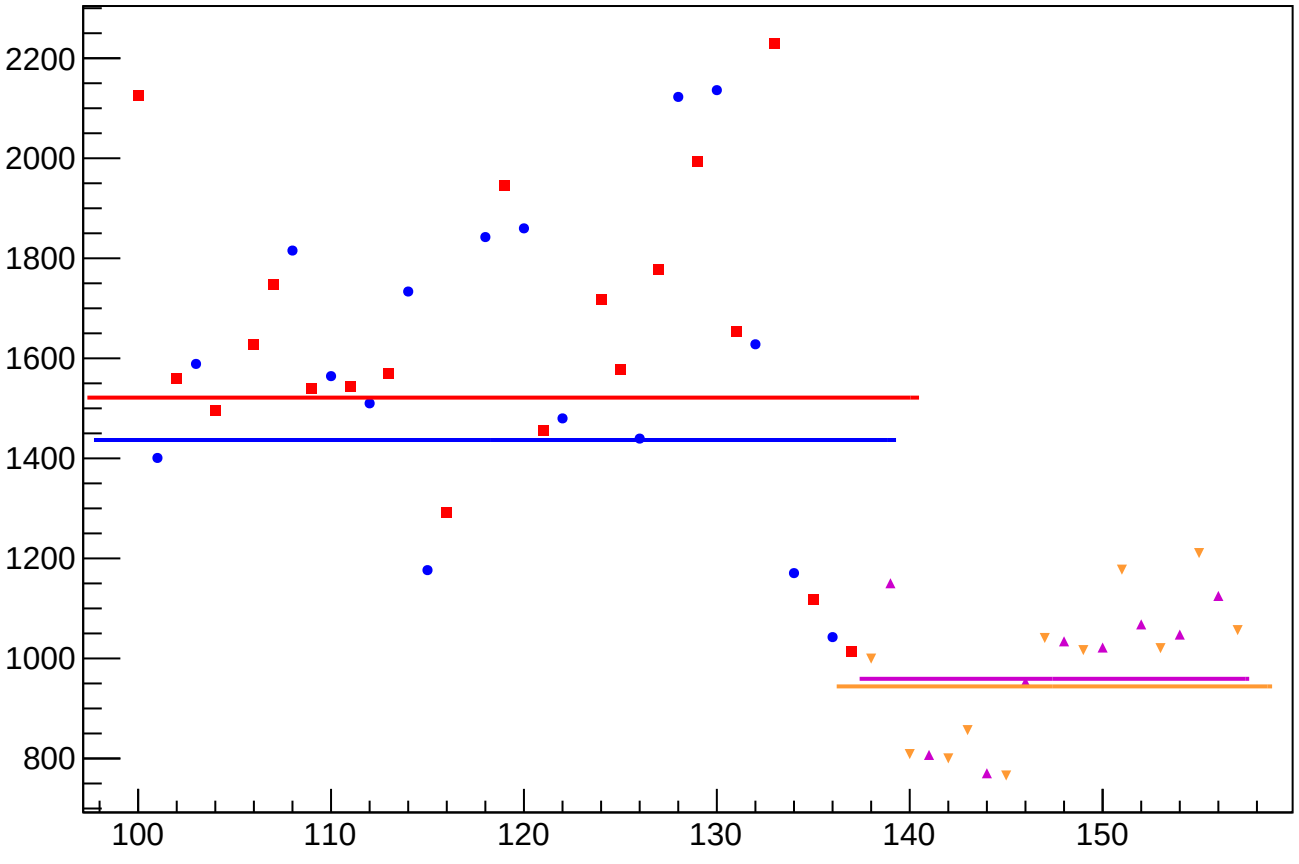
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -46.319+/-346.917 χ^2/NDF:8.4/8

+ sign -1160.964+/-280.169 χ^2/NDF: 51.6/26

All: -758.544+/-203.577 χ^2/NDF: 78.9/54

- sign -308.410+/-296.313 χ^2/NDF: 22.9/27



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 944.101+/-0.230 χ^2/NDF:378137.4/10

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

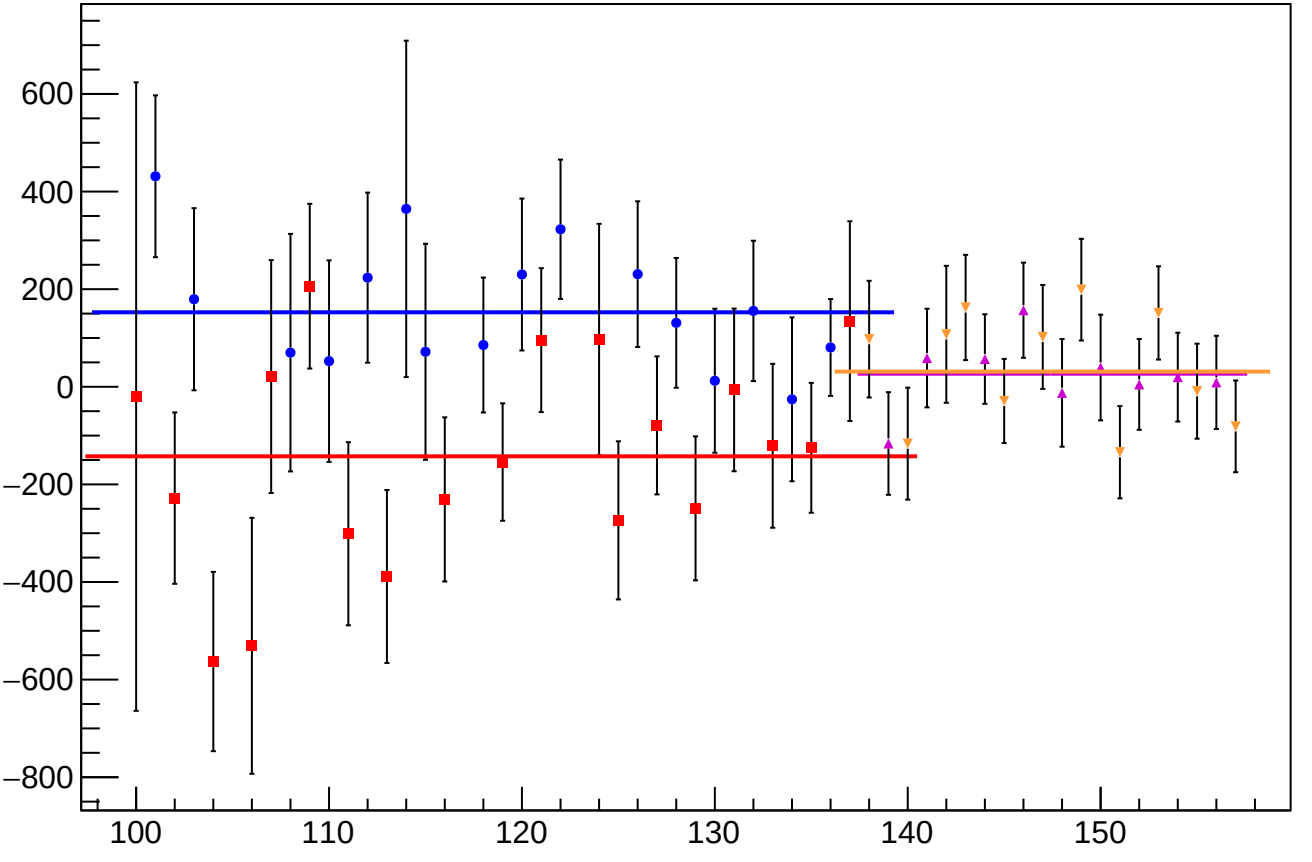
Left In: 959.290+/-0.245 χ^2/NDF:297156.0/8

+ sign 1071.837+/-0.198 χ^2/NDF: 2241435.9/26

All: 1090.484+/-0.144 χ^2/NDF: 4476314.3/54

- sign 1111.343+/-0.210 χ^2/NDF: 2216107.8/27

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

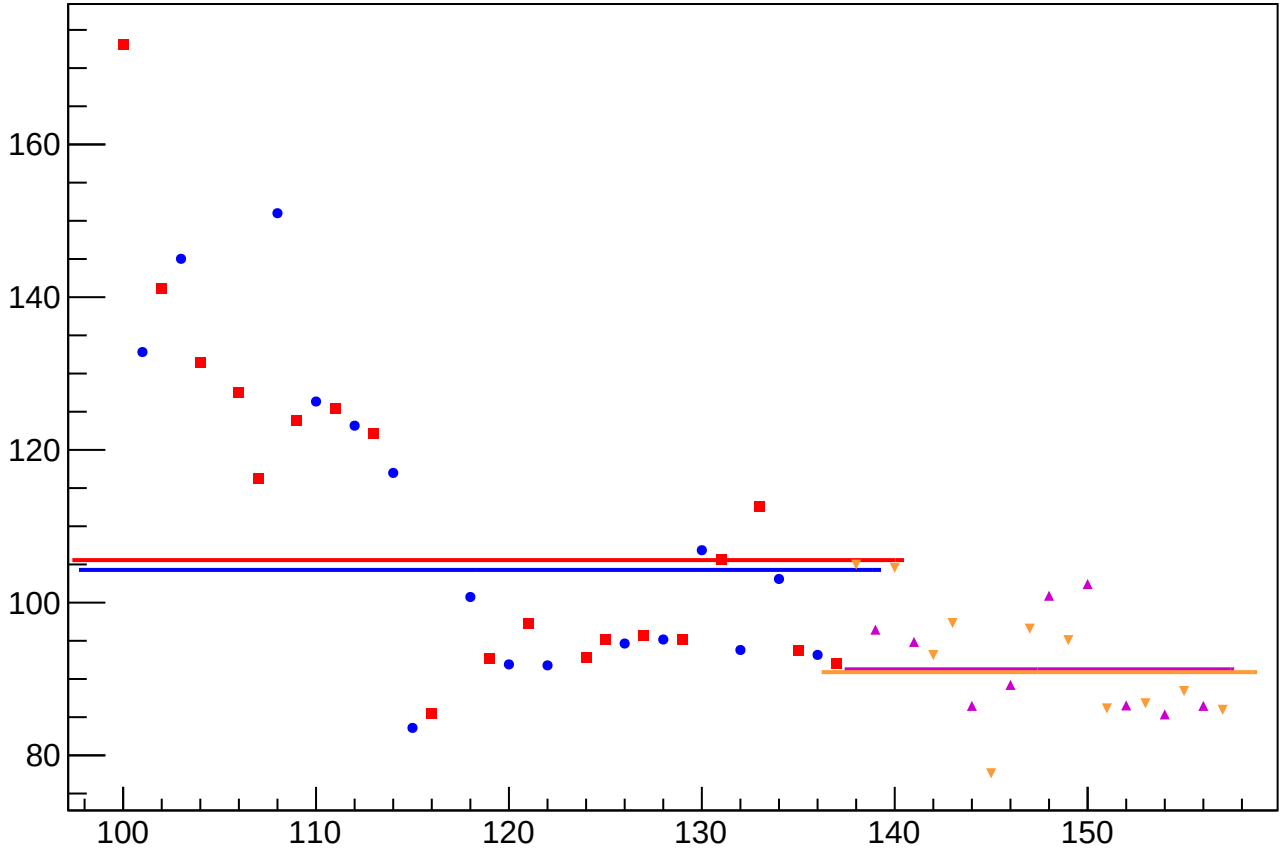
Left In: 26.788+/-32.864 χ^2/NDF:4.1/8

\+ sign 77.597+/-24.395 χ^2/NDF: 28.0/26

All: 19.408+/-17.535 χ^2/NDF: 77.7/54

\- sign -42.791+/-25.221 χ^2/NDF: 37.9/27

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.896+/-0.022 χ^2/NDF:135371.8/10

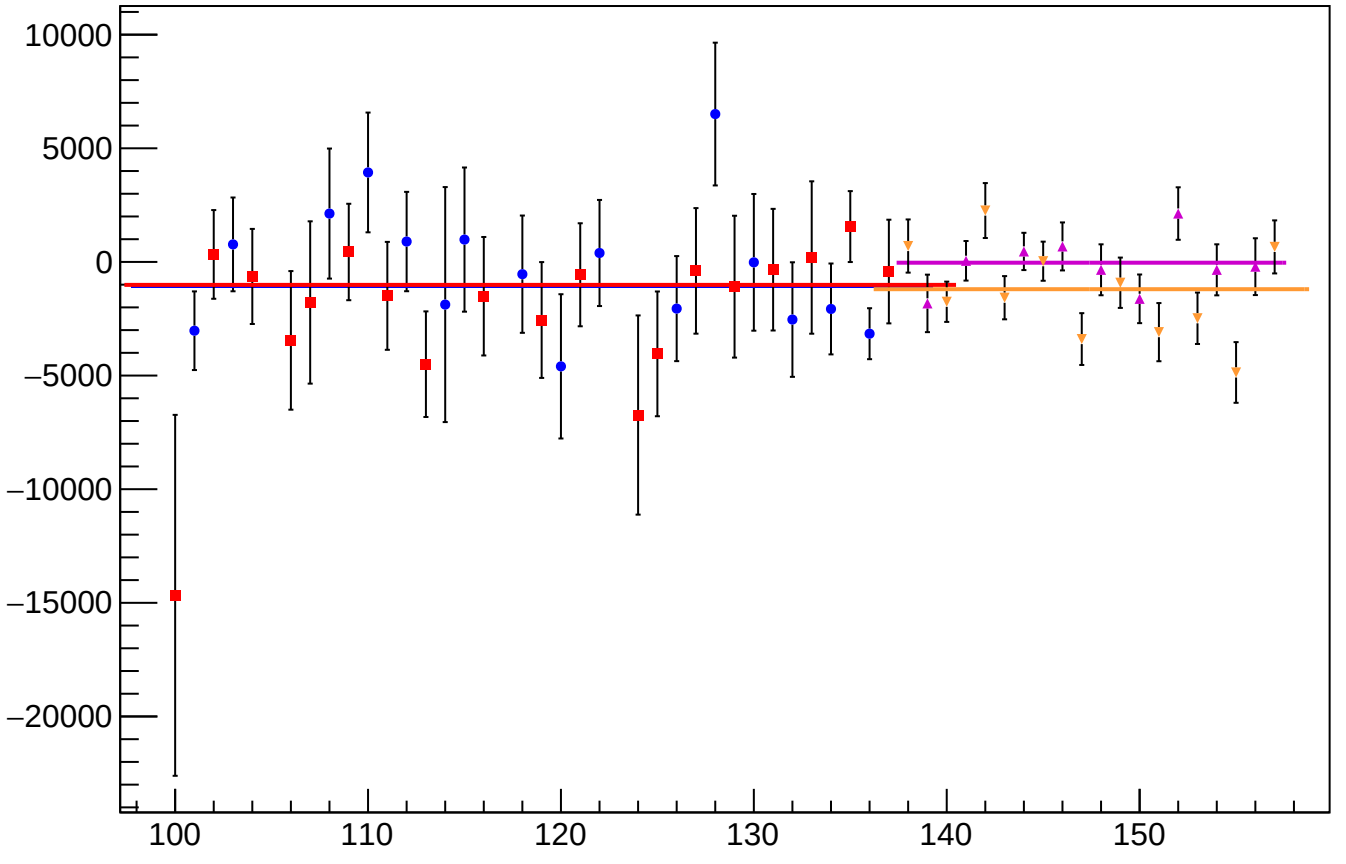
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.267+/-0.023 χ^2/NDF:68878.7/8

+ sign 96.017+/-0.017 χ^2/NDF: 656006.1/26

All: 96.562+/-0.012 χ^2/NDF: 1227231.3/54

- sign 97.145+/-0.018 χ^2/NDF: 569159.0/27



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1199.571+/-325.852 χ^2/NDF:30.7/10

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

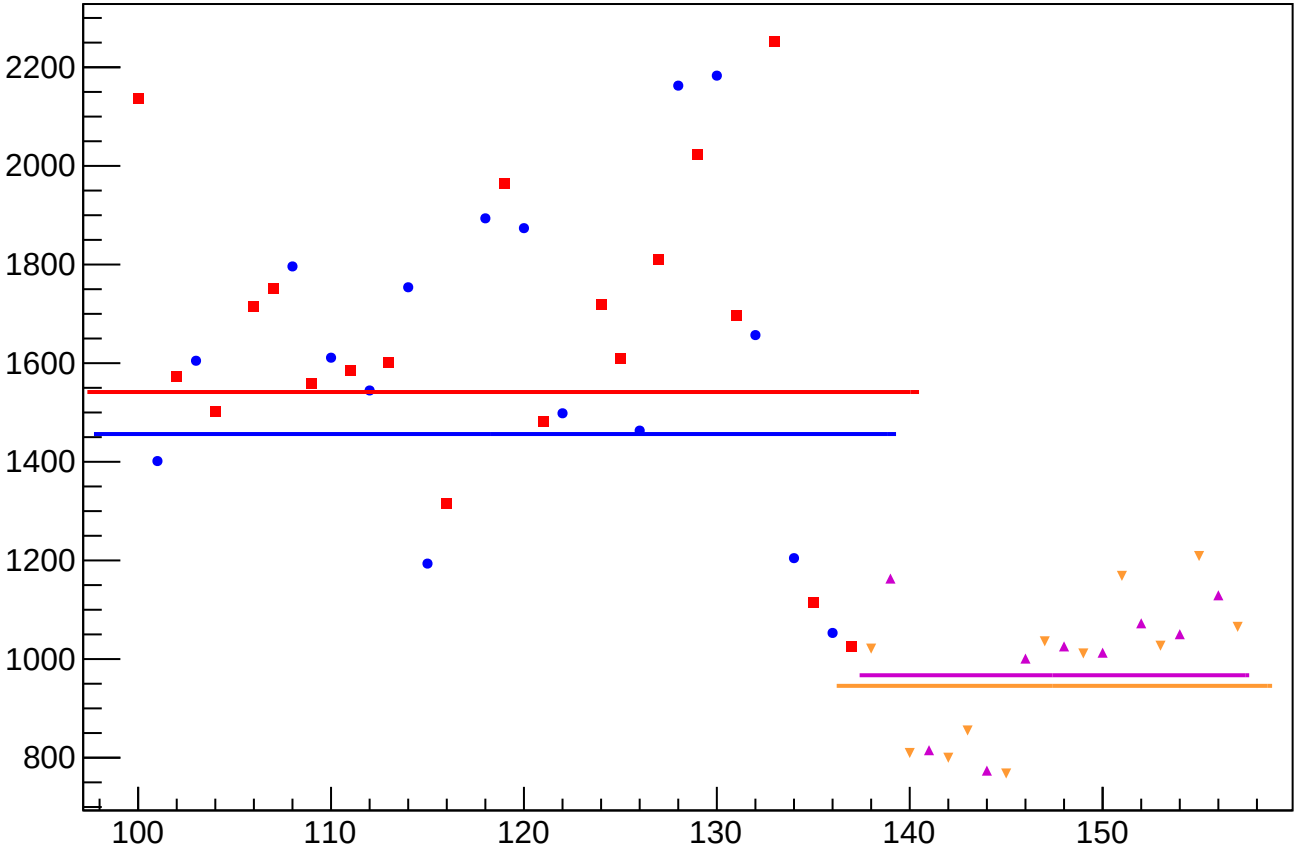
Left In: -34.274+/-349.601 χ^2/NDF:8.7/8

+ sign -1163.881+/-281.341 χ^2/NDF: 50.8/26

All: -756.658+/-204.811 χ^2/NDF: 79.4/54

- sign -297.526+/-298.735 χ^2/NDF: 24.1/27

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 945.696+/-0.230 χ^2/NDF:377457.8/10

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

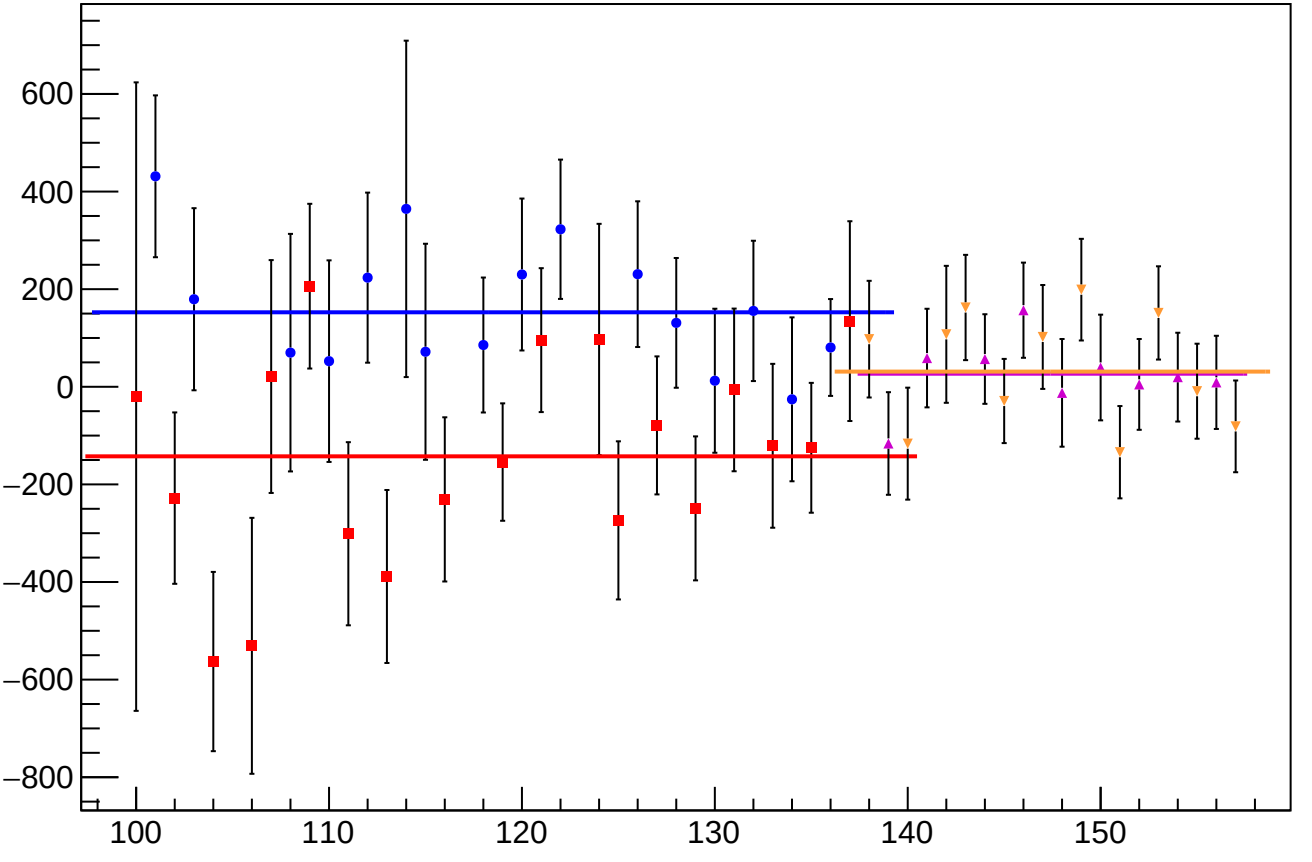
Left In: 967.186+/-0.247 χ^2/NDF:292772.0/8

+ sign 1075.664+/-0.199 χ^2/NDF: 2312279.5/26

All: 1097.518+/-0.145 χ^2/NDF: 4606532.2/54

- sign 1122.157+/-0.211 χ^2/NDF: 2268579.4/27

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 31.128+/-31.044 χ^2/NDF:13.5/10

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

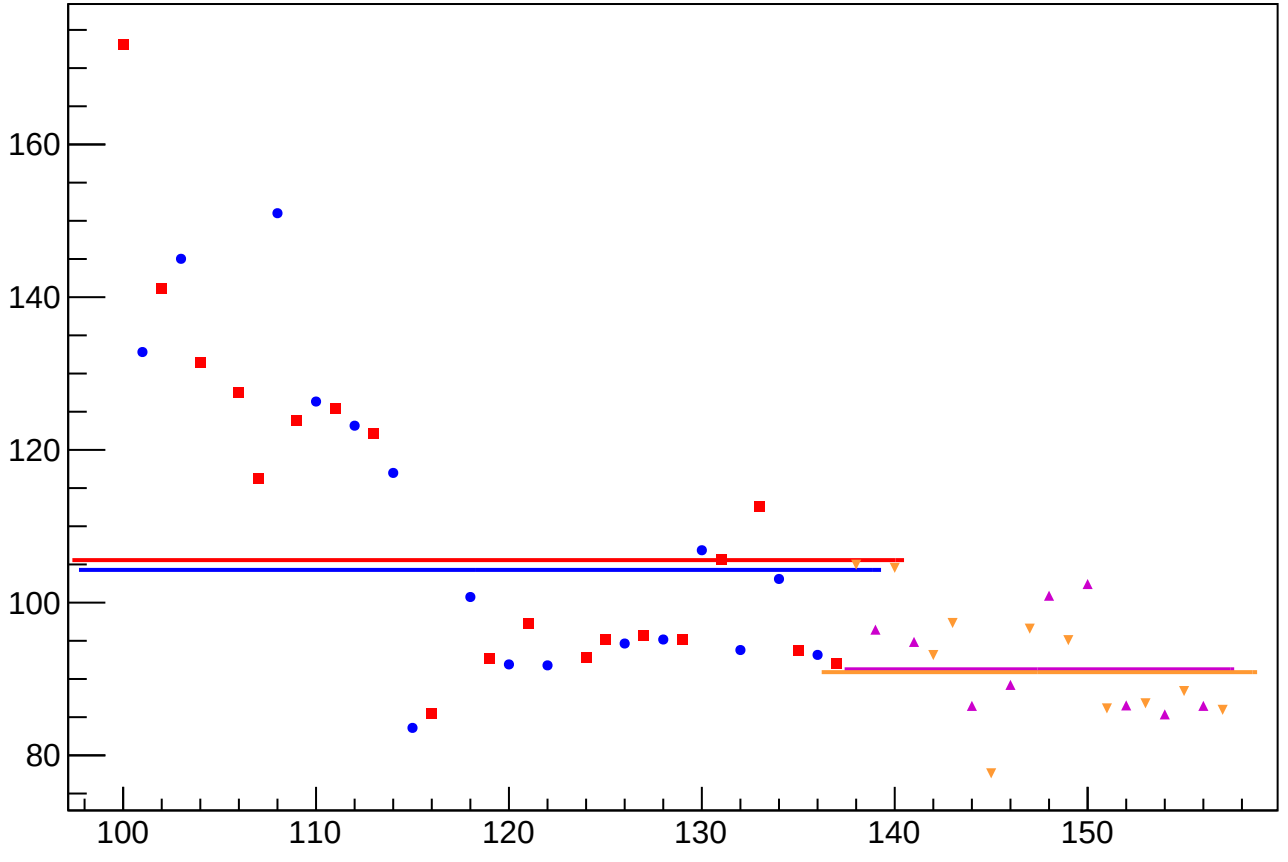
Left In: 26.788+/-32.864 χ^2/NDF:4.1/8

+ sign 77.598+/-24.395 χ^2/NDF: 28.0/26

All: 19.408+/-17.535 χ^2/NDF: 77.7/54

- sign -42.791+/-25.221 χ^2/NDF: 37.9/27

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.896+/-0.022 χ^2/NDF:135367.7/10

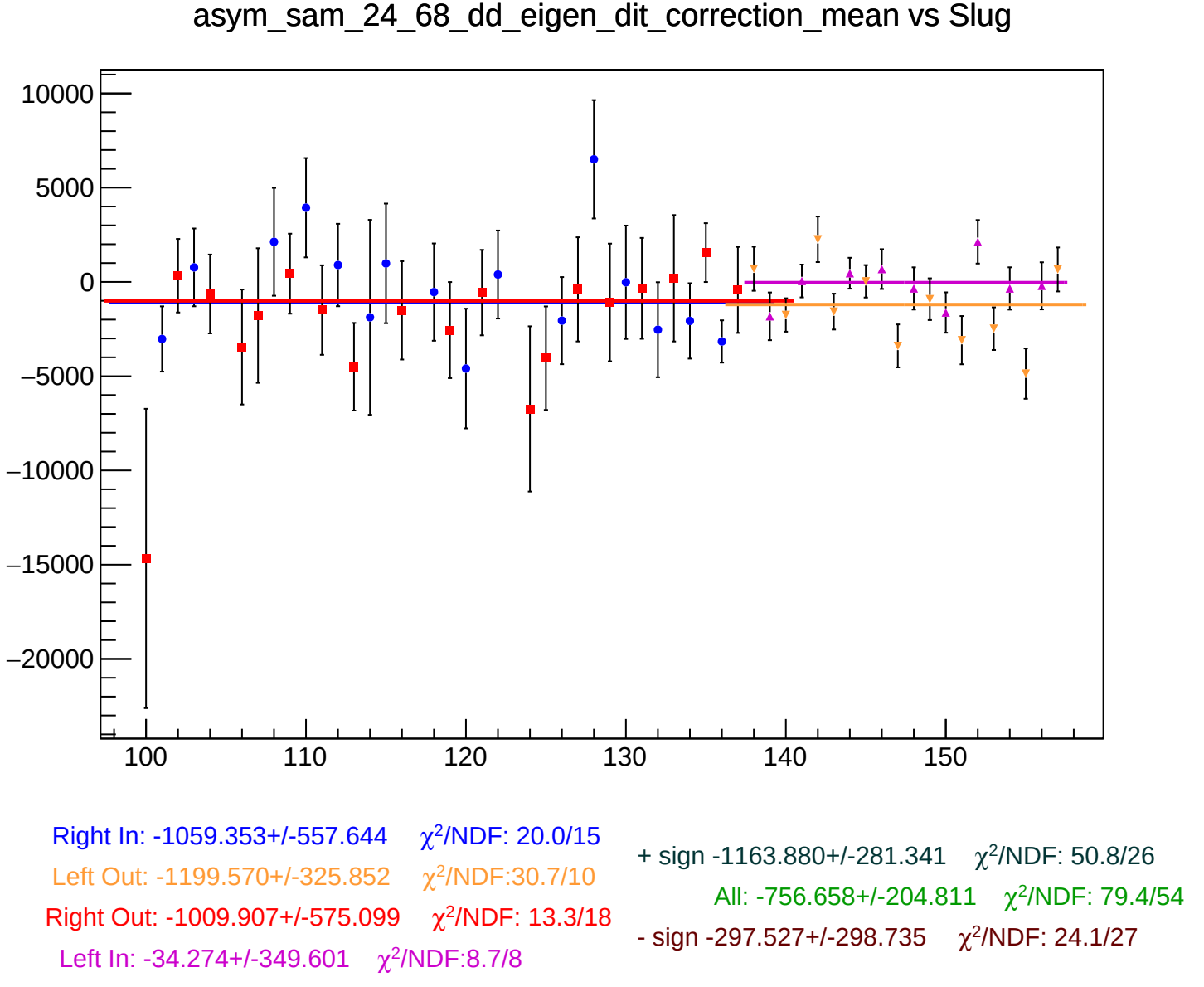
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

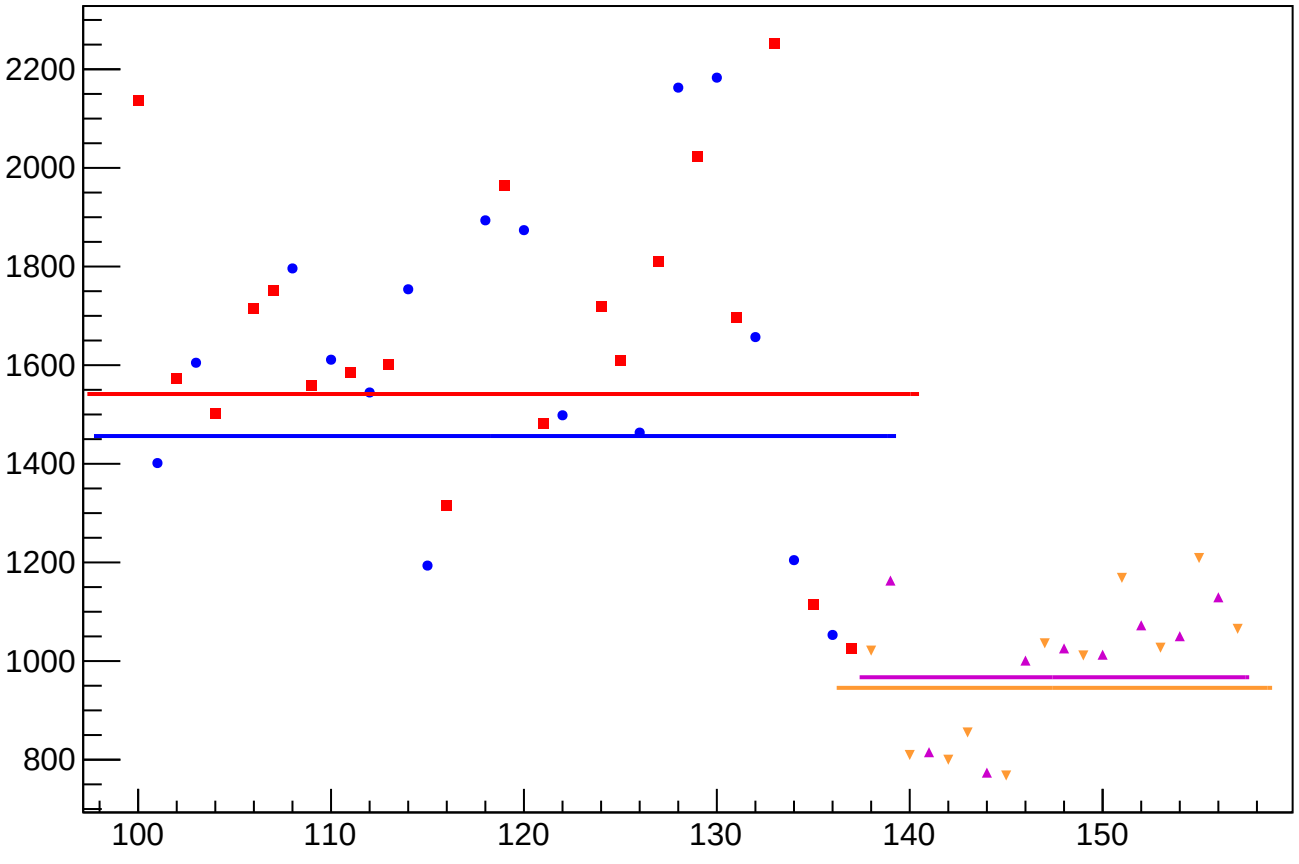
Left In: 91.267+/-0.023 χ^2/NDF:68875.5/8

+ sign 96.017+/-0.017 χ^2/NDF: 655980.1/26

All: 96.562+/-0.012 χ^2/NDF: 1227184.1/54

- sign 97.145+/-0.018 χ^2/NDF: 569137.7/27


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -1059.353+/-557.644 χ²/NDF: 20.0/15
Left Out: -1199.570+/-325.852 χ²/NDF:30.7/10
Right Out: -1009.907+/-575.099 χ²/NDF: 13.3/18
Left In: -34.274+/-349.601 χ²/NDF:8.7/8
+ sign -1163.880+/-281.341 χ²/NDF: 50.8/26
All: -756.658+/-204.811 χ²/NDF: 79.4/54
- sign -297.527+/-298.735 χ²/NDF: 24.1/27



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 945.695+/-0.230 χ^2/NDF:377460.8/10

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

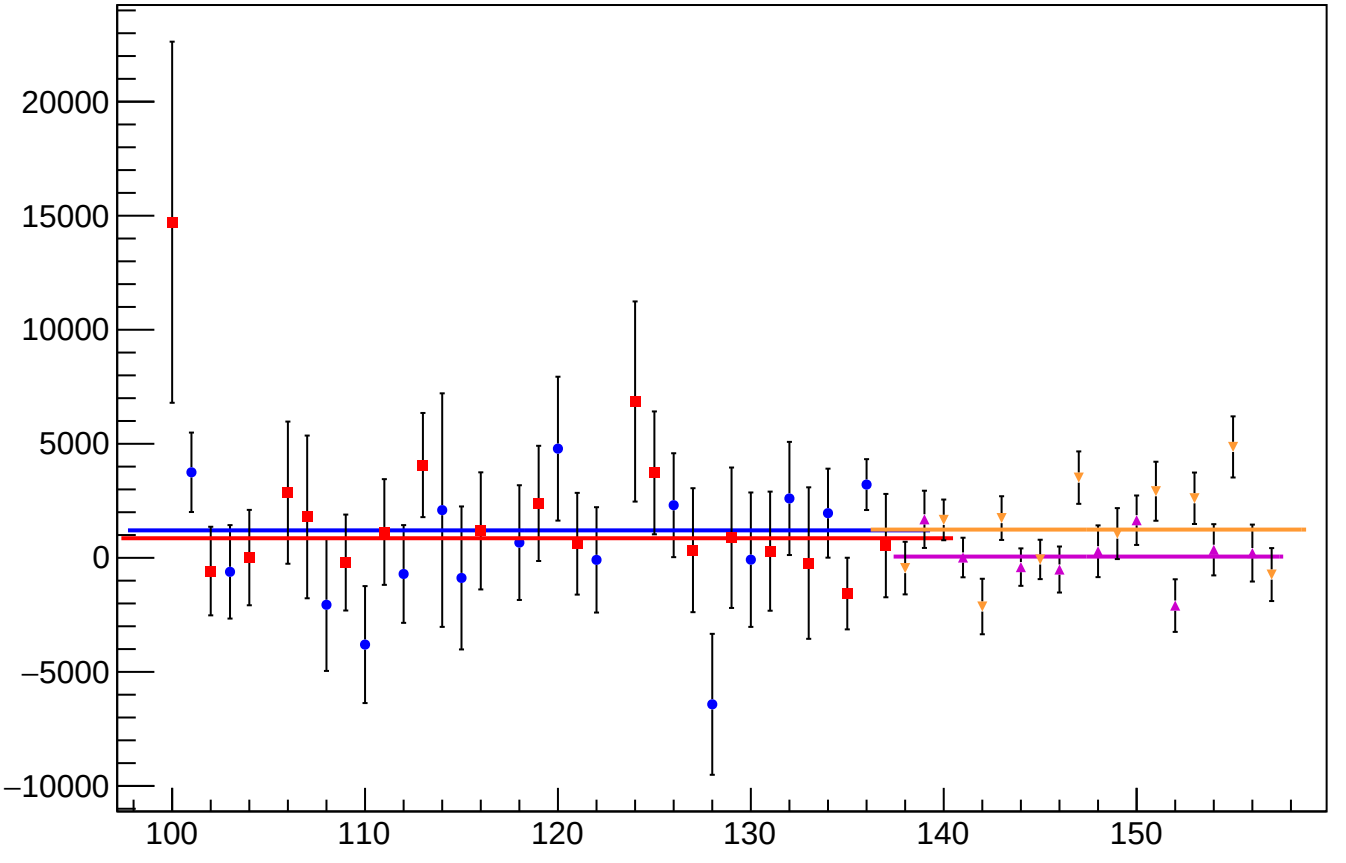
Left In: 967.185+/-0.247 χ^2/NDF:292772.9/8

+ sign 1075.663+/-0.199 χ^2/NDF: 2312275.3/26

All: 1097.517+/-0.145 χ^2/NDF: 4606521.7/54

- sign 1122.157+/-0.211 χ^2/NDF: 2268572.9/27

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1238.918+/-326.886 χ^2/NDF:30.0/10

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

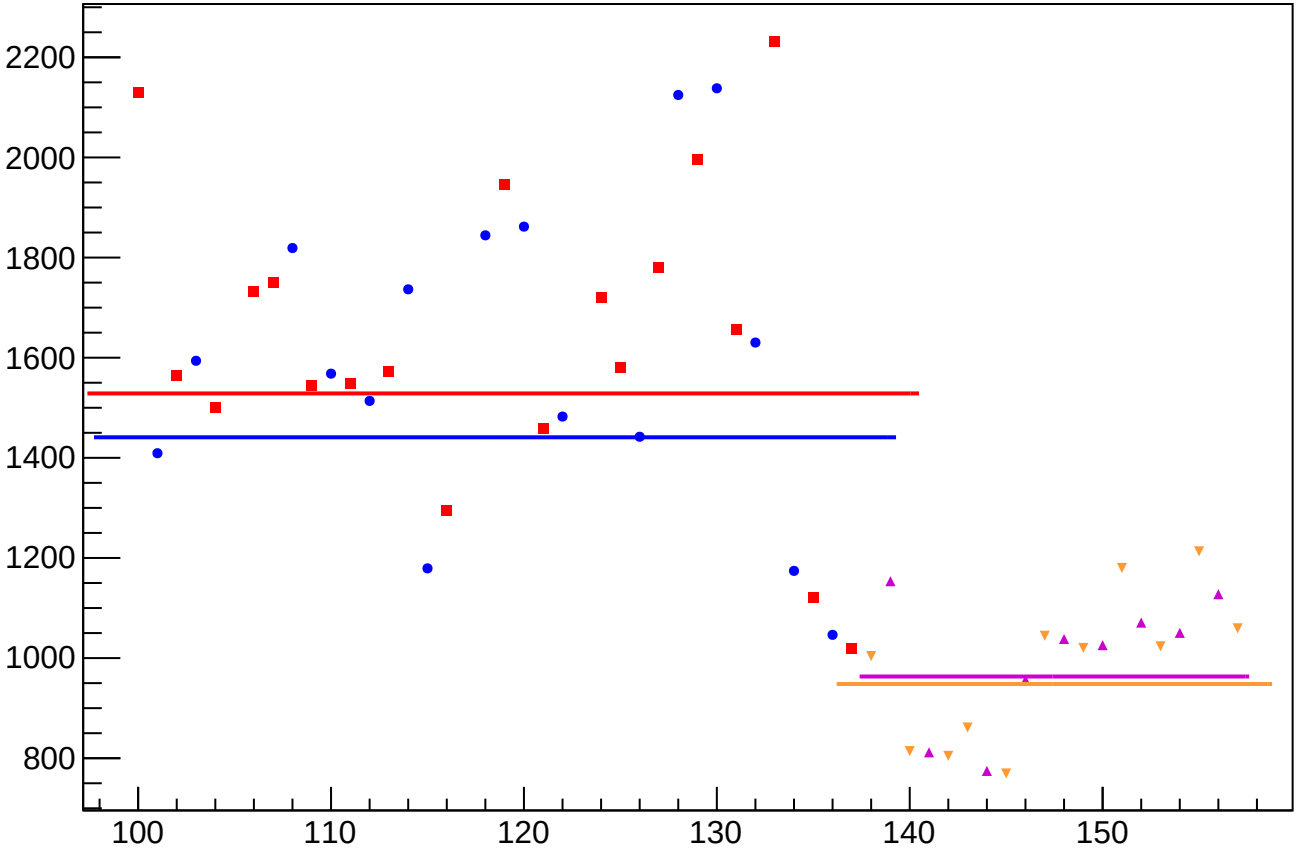
Left In: 55.318+/-348.272 χ^2/NDF:8.1/8

+ sign 1230.025+/-281.231 χ^2/NDF: 51.1/26

All: 778.291+/-204.287 χ^2/NDF: 78.6/54

- sign 273.652+/-297.244 χ^2/NDF: 22.0/27

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 948.258+/-0.231 χ^2/NDF:372050.2/10

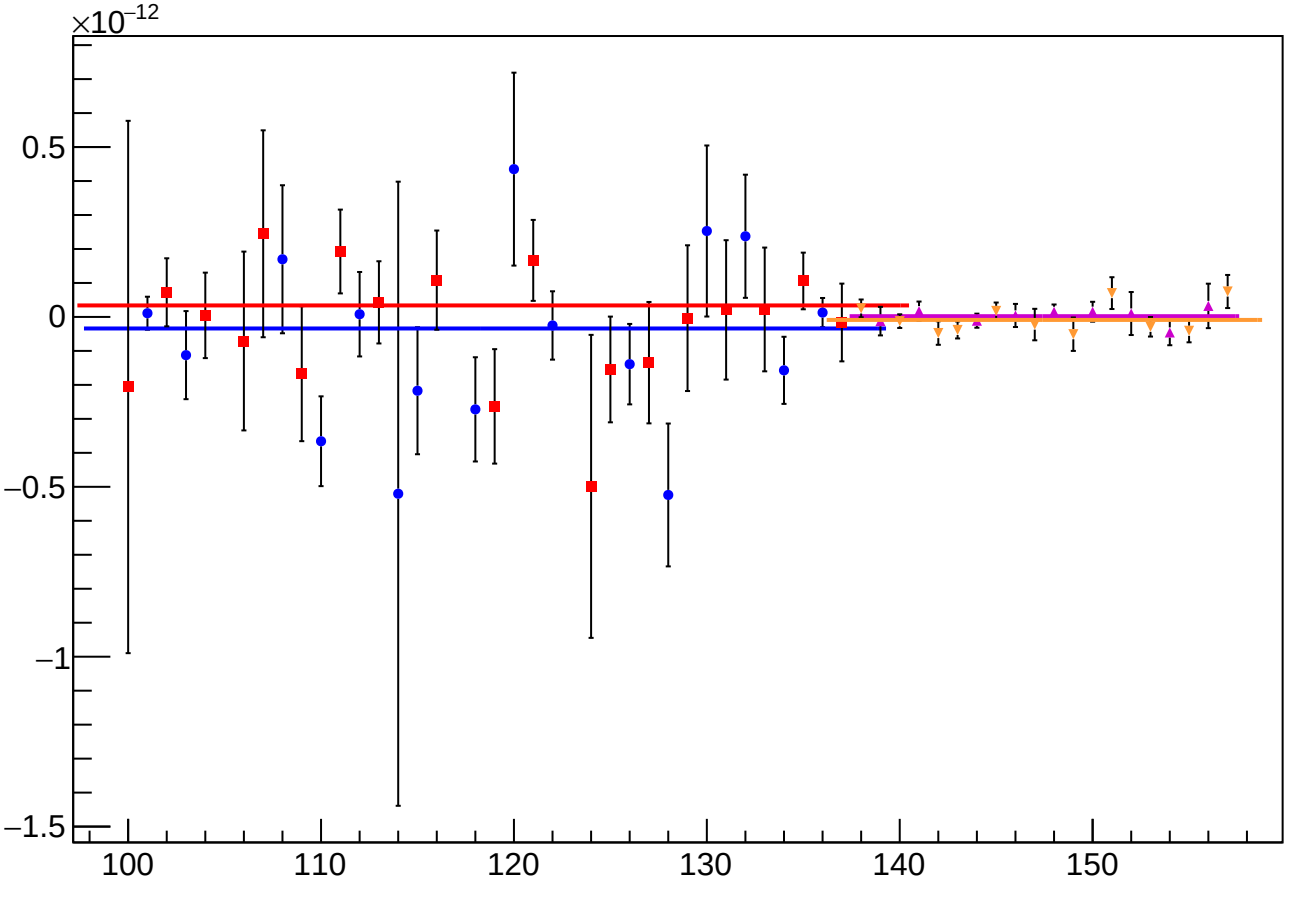
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 963.228+/-0.246 χ^2/NDF:292200.4/8

+ sign 1076.290+/-0.199 χ^2/NDF: 2223579.8/26

All: 1095.415+/-0.144 χ^2/NDF: 4468678.0/54

- sign 1116.779+/-0.210 χ^2/NDF: 2225517.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/10

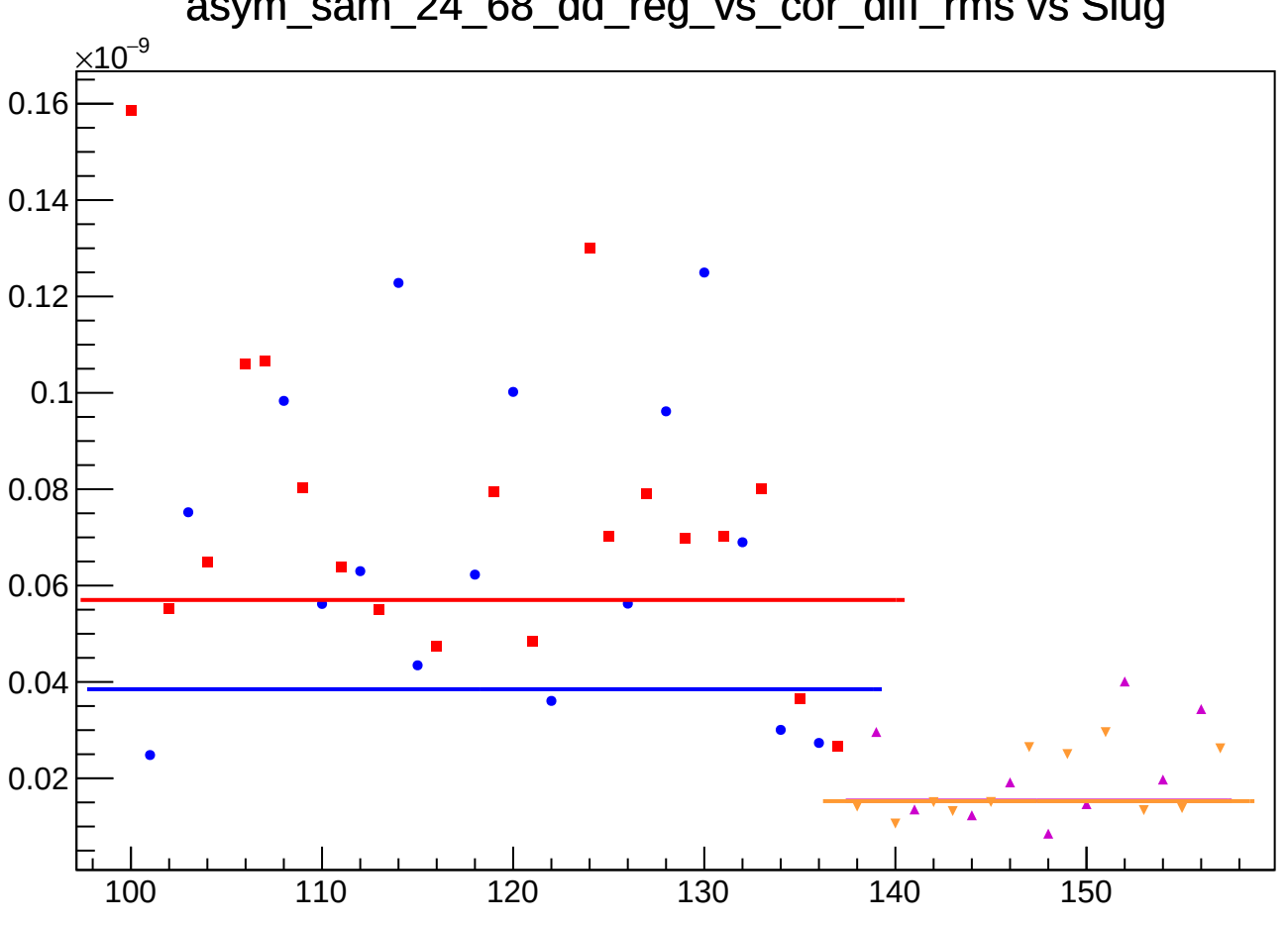
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/26

All: -0.000+/-0.000 χ^2/NDF: 60.4/54

- sign 0.000+/-0.000 χ^2/NDF: 17.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:620000.2/10

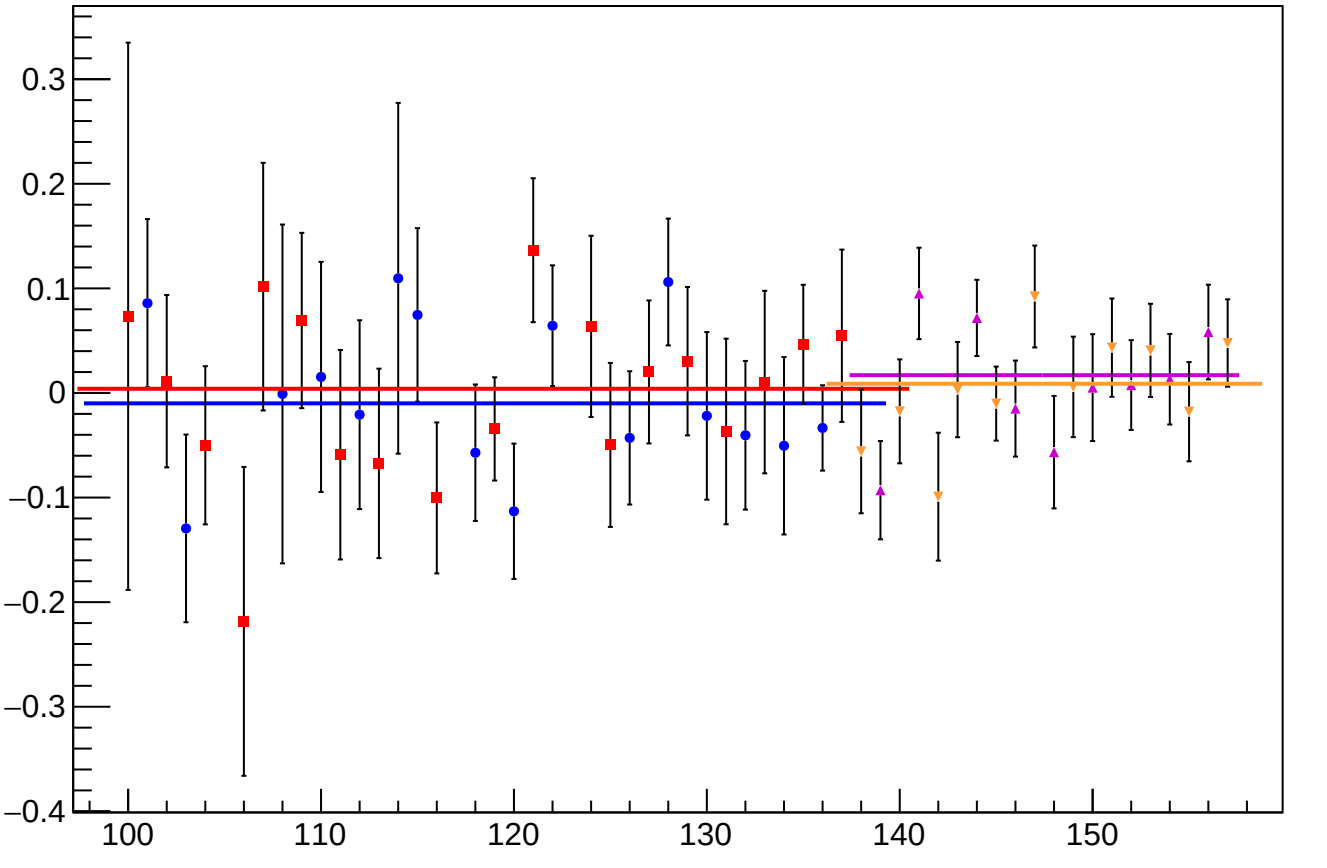
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1011624.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 3517930.9/26

All: 0.000+/-0.000 χ^2/NDF: 7979859.4/54

- sign 0.000+/-0.000 χ^2/NDF: 4453418.1/27



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

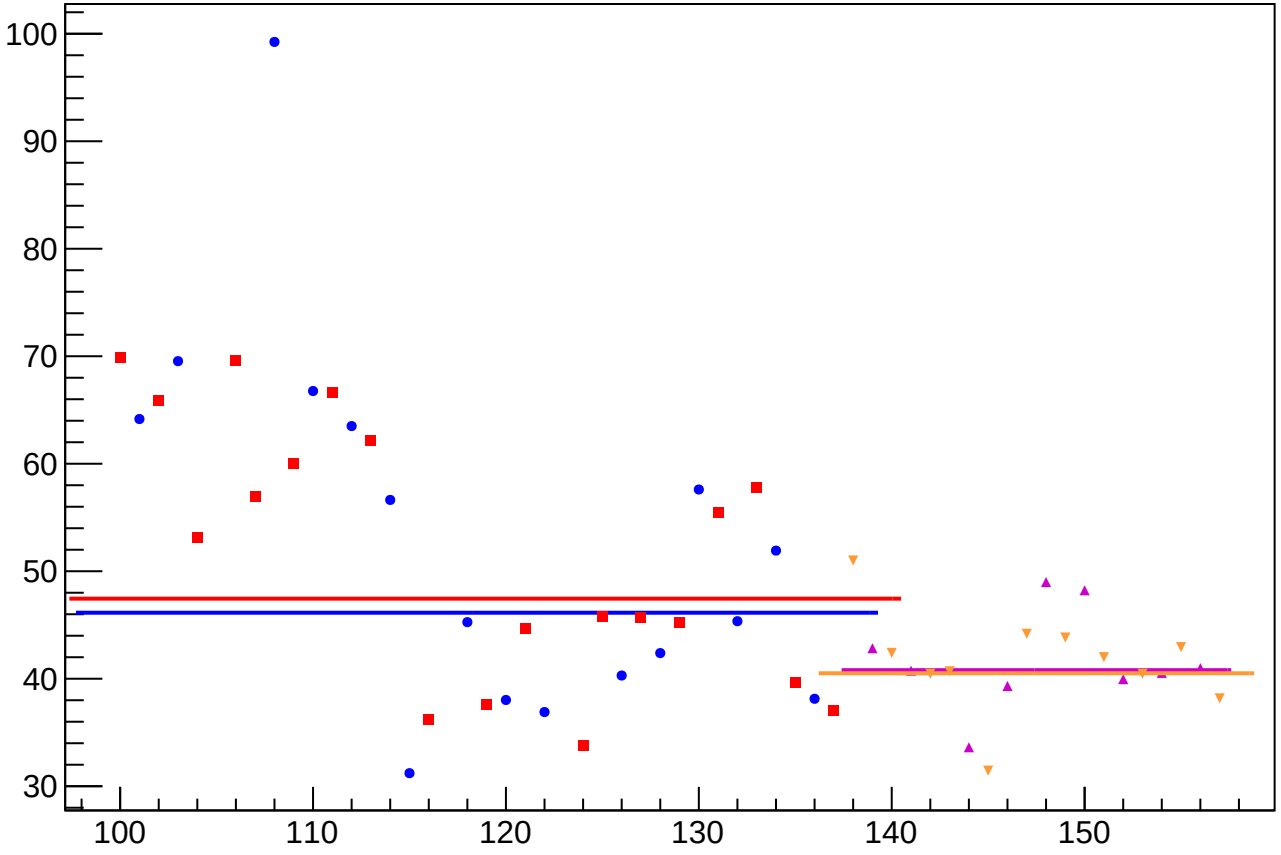
Left In: 0.017+/-0.015 χ^2/NDF:14.2/8

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.007+/-0.008 χ^2/NDF: 53.8/54

- sign 0.012+/-0.012 χ^2/NDF: 28.4/27

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

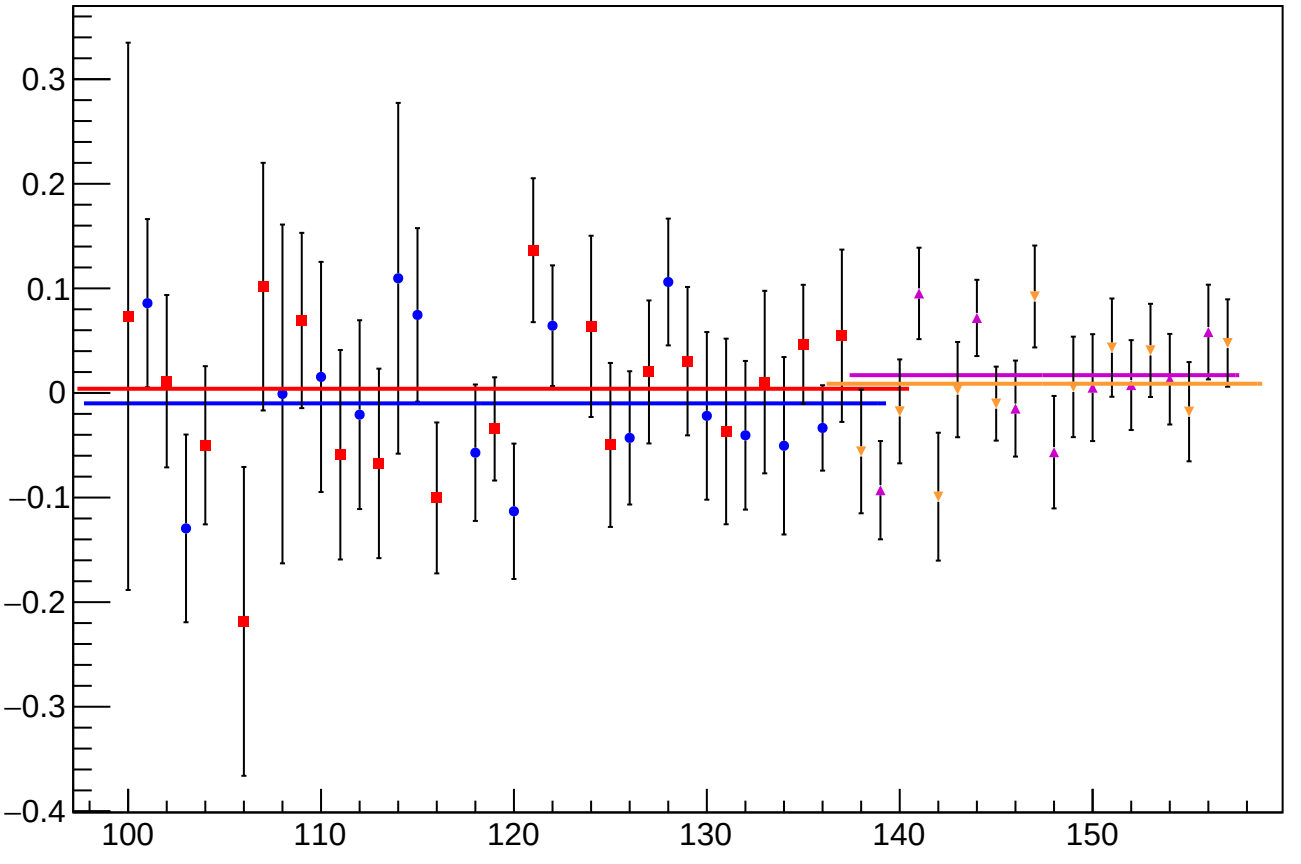
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.796+/-0.011 χ^2/NDF:172925.2/8

+ sign 42.641+/-0.008 χ^2/NDF: 1256608.8/26

All: 43.048+/-0.006 χ^2/NDF: 2250914.7/54

- sign 43.488+/-0.008 χ^2/NDF: 988675.6/27



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

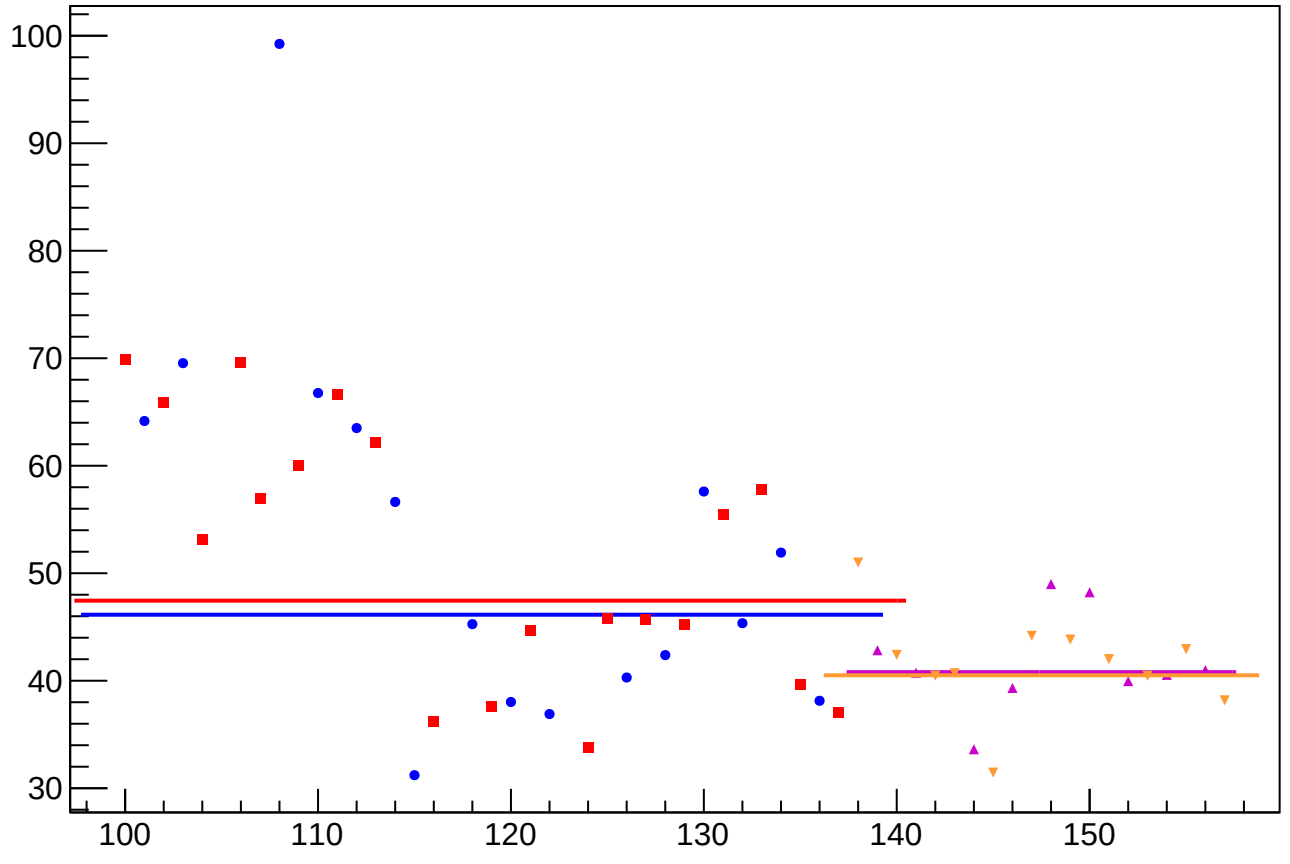
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.015 χ^2/NDF:14.2/8

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.007+/-0.008 χ^2/NDF: 53.8/54

- sign 0.012+/-0.012 χ^2/NDF: 28.4/27



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.507+/-0.010 χ^2/NDF:231478.8/10

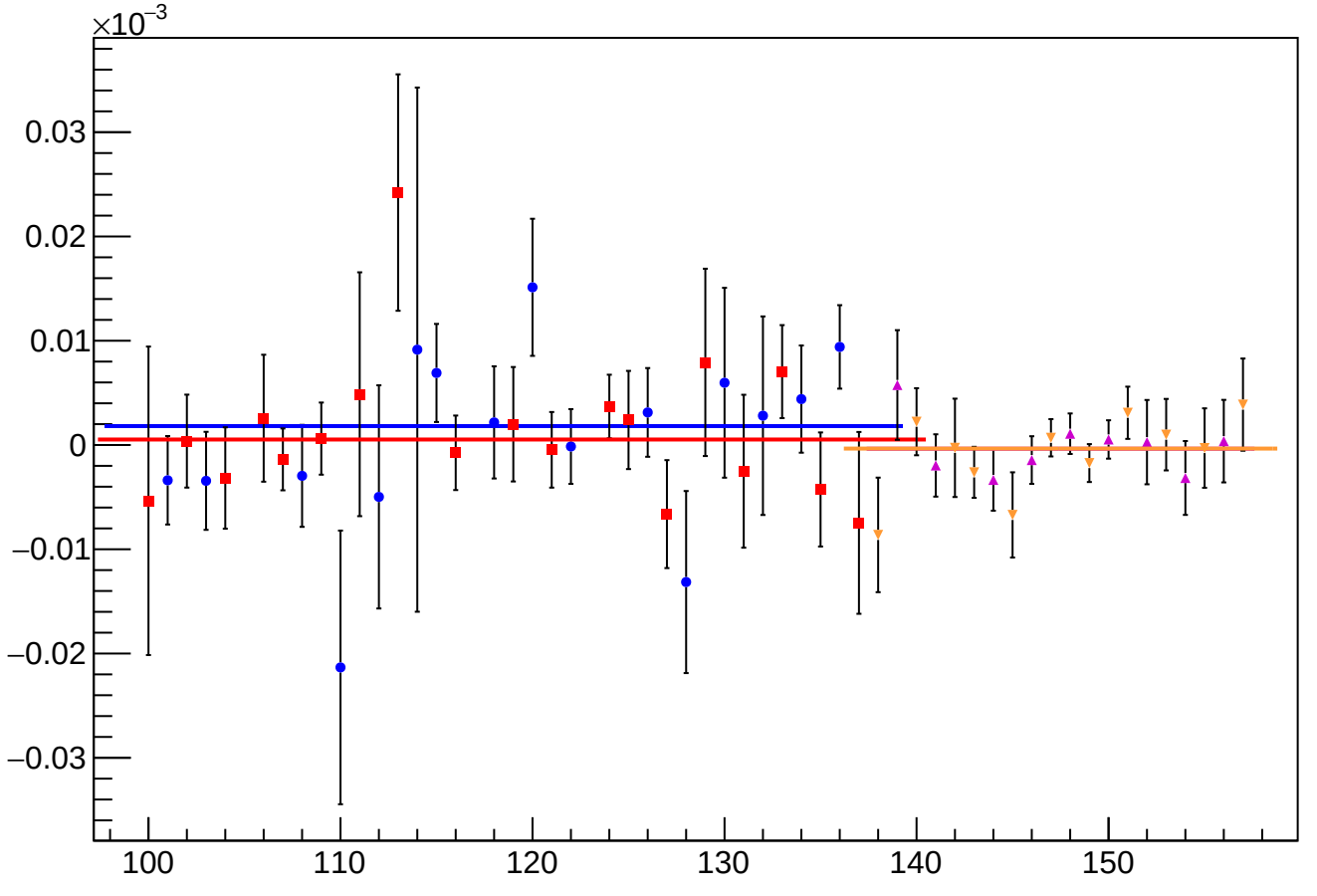
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.796+/-0.011 χ^2/NDF:172925.2/8

+ sign 42.641+/-0.008 χ^2/NDF: 1256608.8/26

All: 43.048+/-0.006 χ^2/NDF: 2250914.7/54

- sign 43.488+/-0.008 χ^2/NDF: 988675.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/10

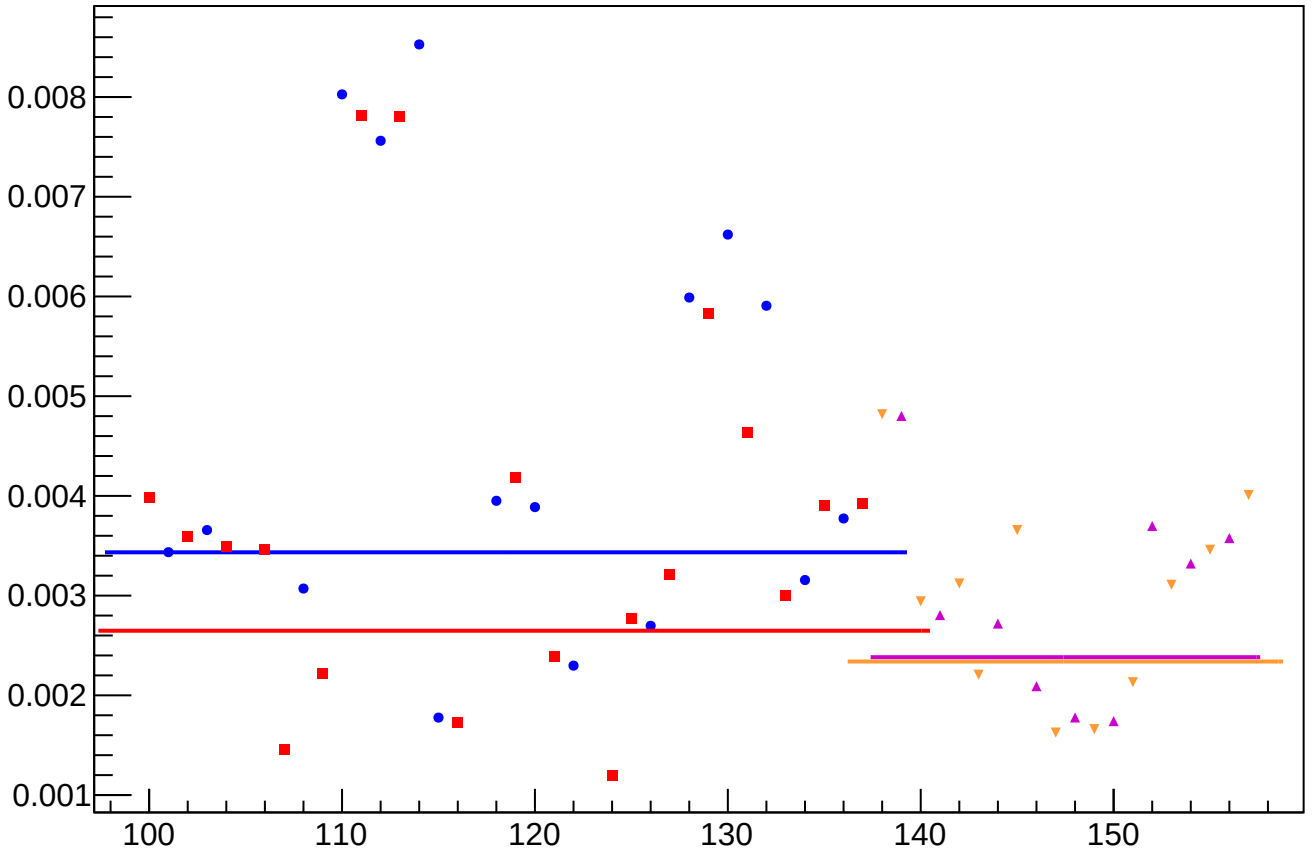
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/26

All: 0.000+/-0.000 χ^2/NDF: 50.4/54

- sign 0.000+/-0.000 χ^2/NDF: 18.5/27



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1915685.4/10

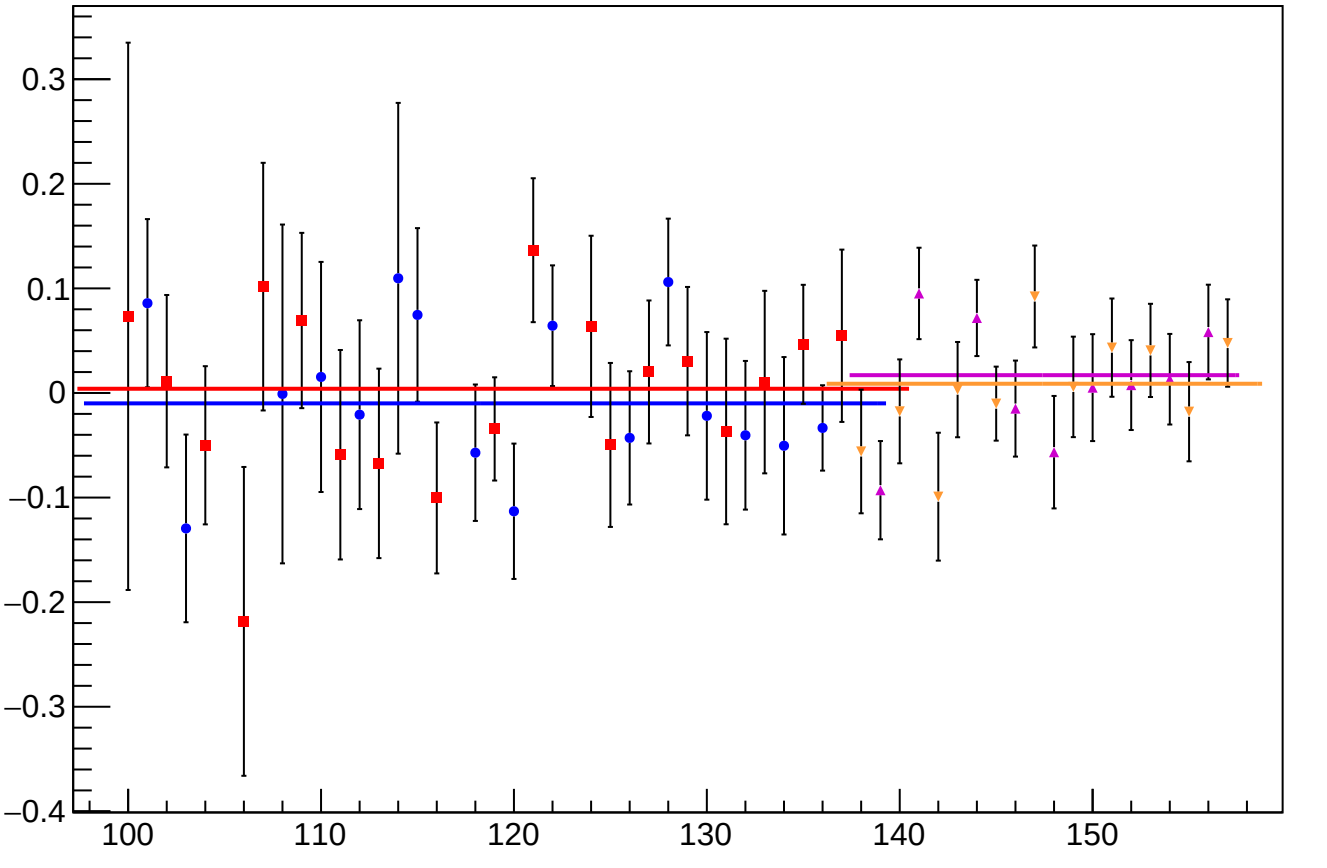
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1492344.3/8

+ sign 0.003+/-0.000 χ^2/NDF: 4584524.6/26

All: 0.003+/-0.000 χ^2/NDF: 8889674.4/54

- sign 0.002+/-0.000 χ^2/NDF: 4259293.6/27



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

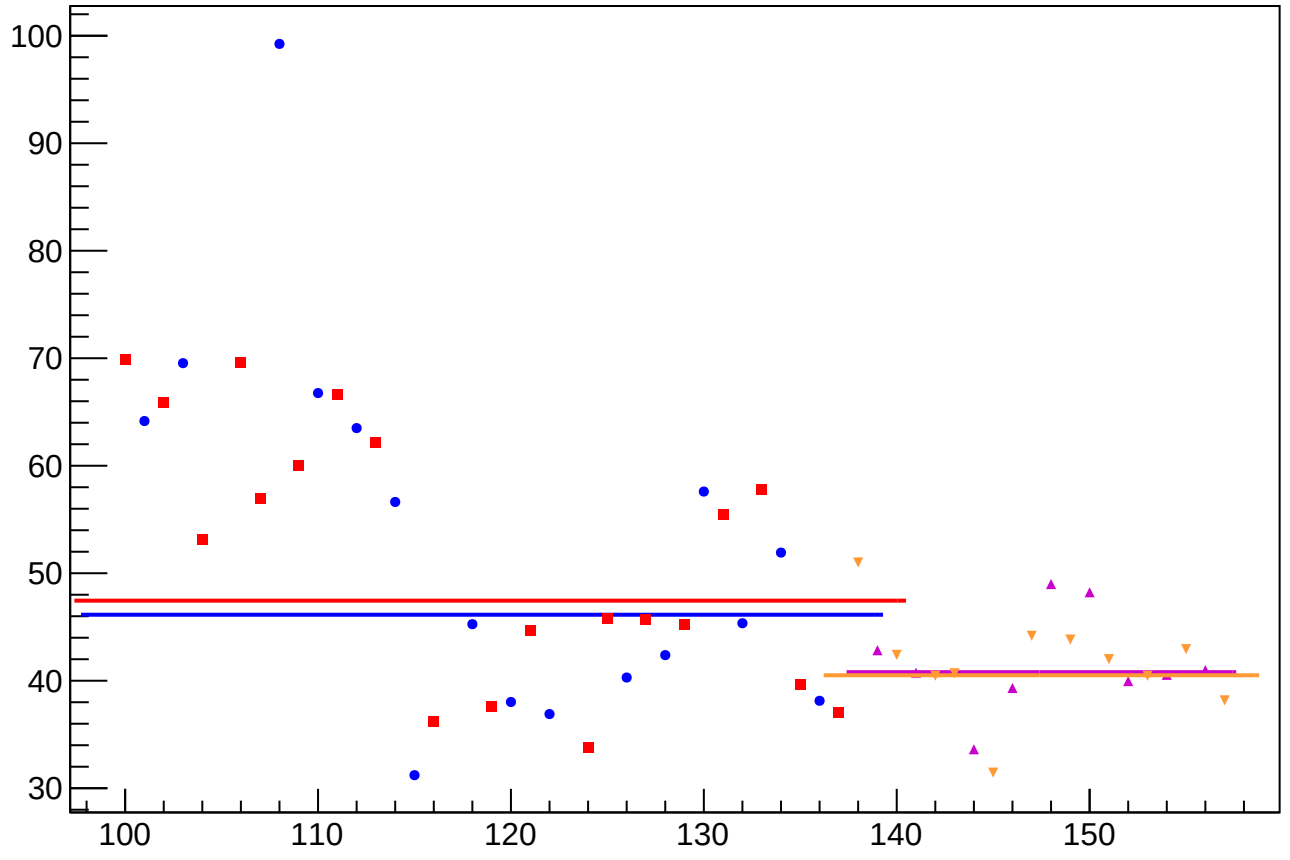
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.015 χ^2/NDF:14.2/8

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.007+/-0.008 χ^2/NDF: 53.8/54

- sign 0.012+/-0.012 χ^2/NDF: 28.4/27



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.508+/-0.010 χ^2/NDF:231474.9/10

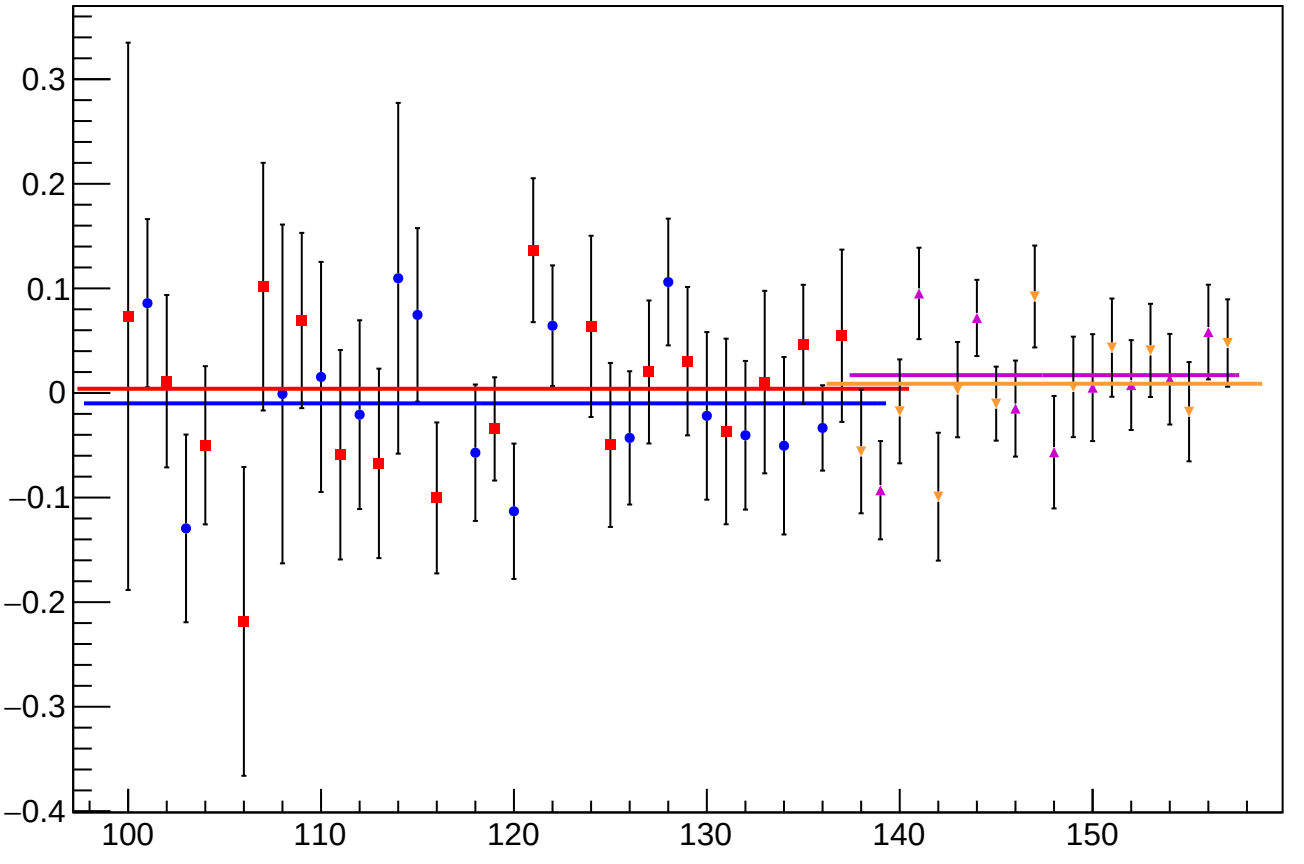
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.796+/-0.011 χ^2/NDF:172928.2/8

+ sign 42.640+/-0.008 χ^2/NDF: 1256493.8/26

All: 43.048+/-0.006 χ^2/NDF: 2250733.7/54

- sign 43.488+/-0.008 χ^2/NDF: 988610.5/27



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.009+/-0.014 χ^2/NDF:10.1/10

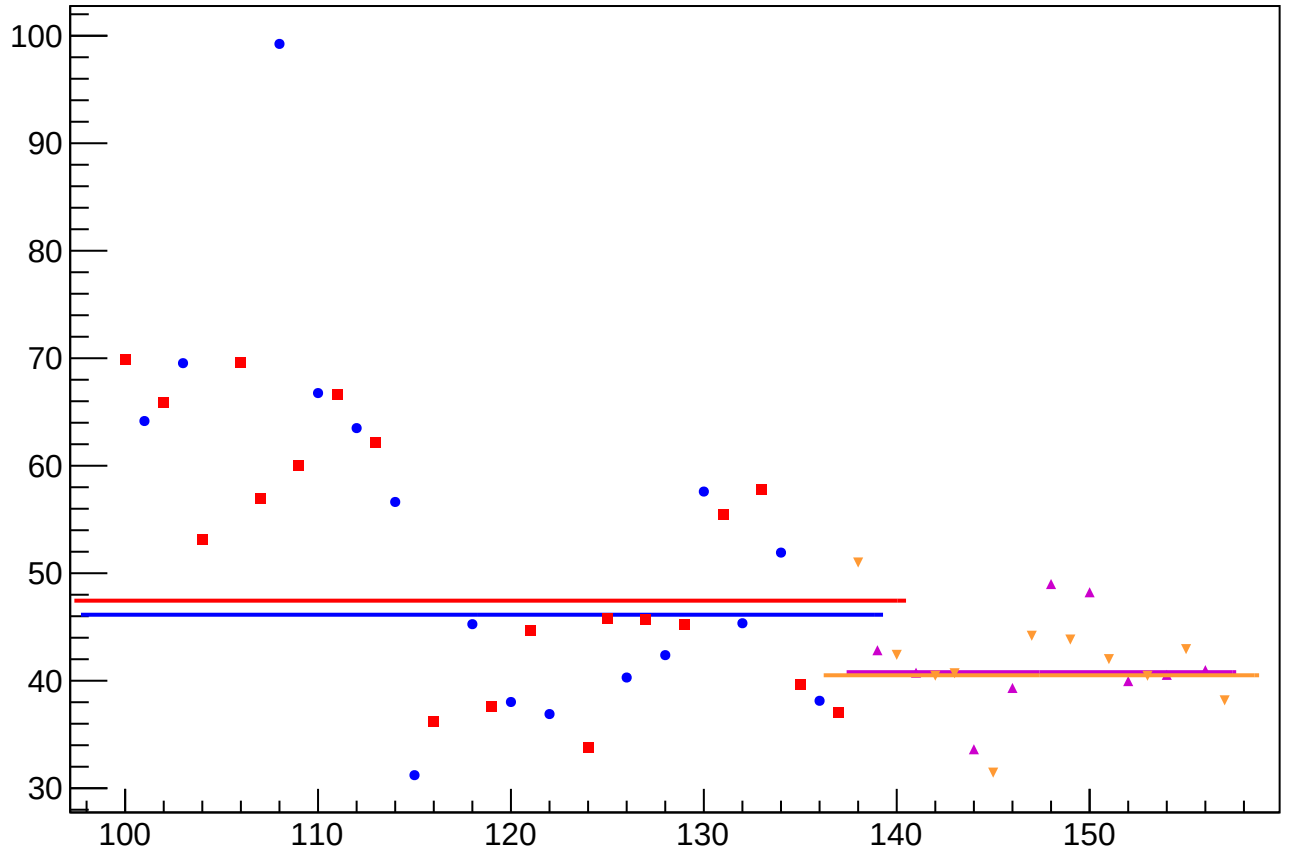
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.017+/-0.015 χ^2/NDF:14.2/8

+ sign 0.002+/-0.011 χ^2/NDF: 25.0/26

All: 0.007+/-0.008 χ^2/NDF: 53.8/54

- sign 0.012+/-0.012 χ^2/NDF: 28.4/27



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.508+/-0.010 χ^2/NDF:231474.9/10

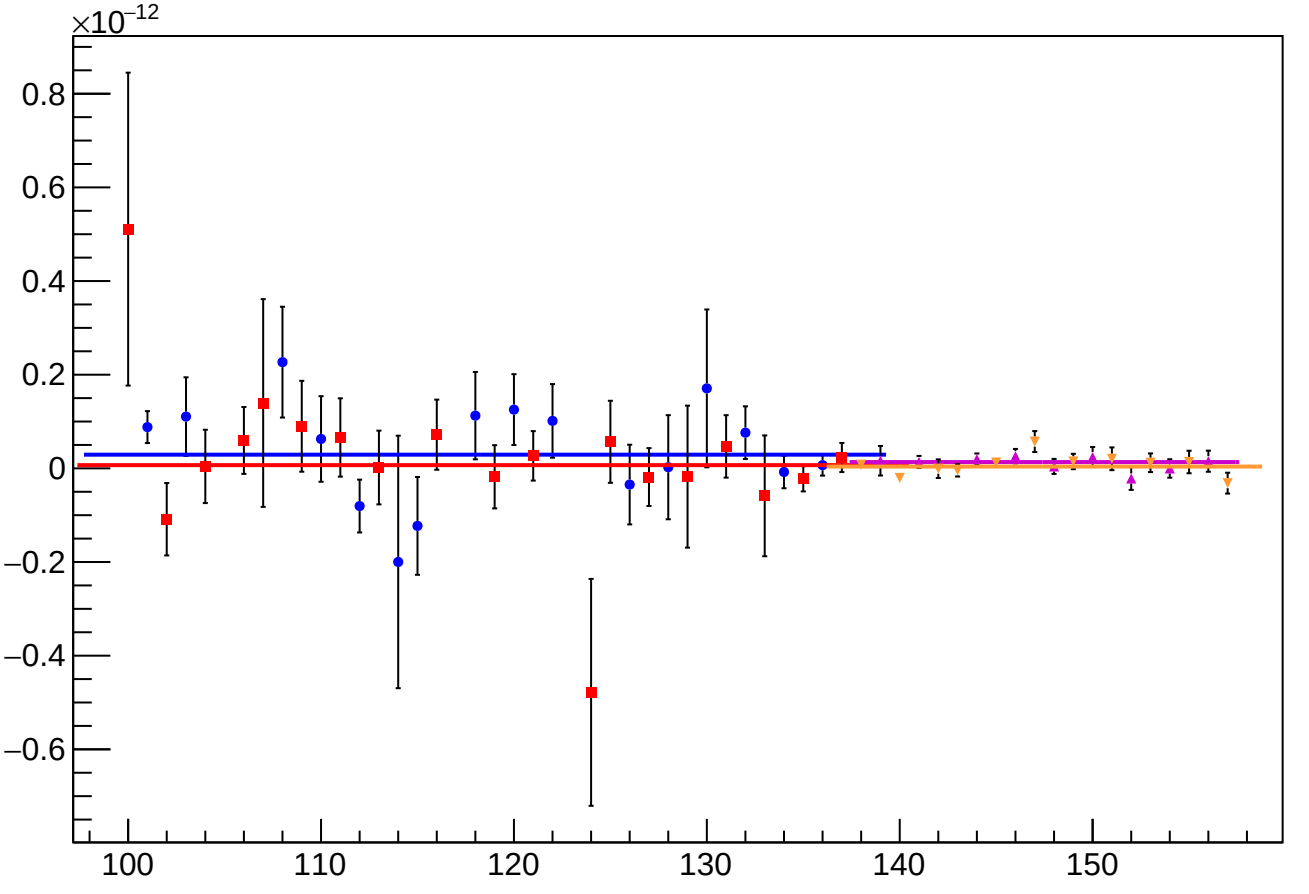
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.796+/-0.011 χ^2/NDF:172928.2/8

+ sign 42.640+/-0.008 χ^2/NDF: 1256493.8/26

All: 43.048+/-0.006 χ^2/NDF: 2250733.7/54

- sign 43.488+/-0.008 χ^2/NDF: 988610.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/10

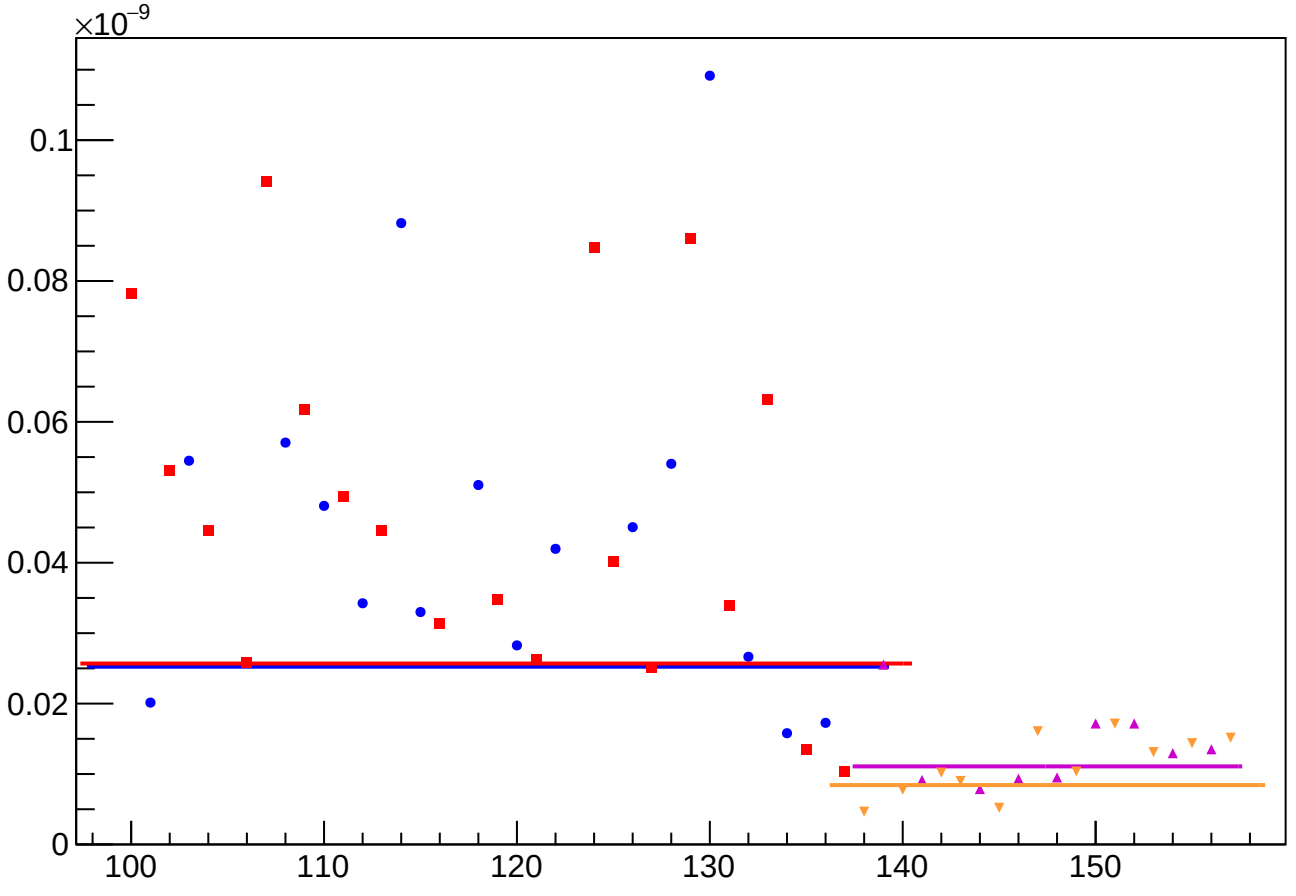
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/26

All: 0.000+/-0.000 χ^2/NDF: 59.6/54

- sign 0.000+/-0.000 χ^2/NDF: 18.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1488119.8/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

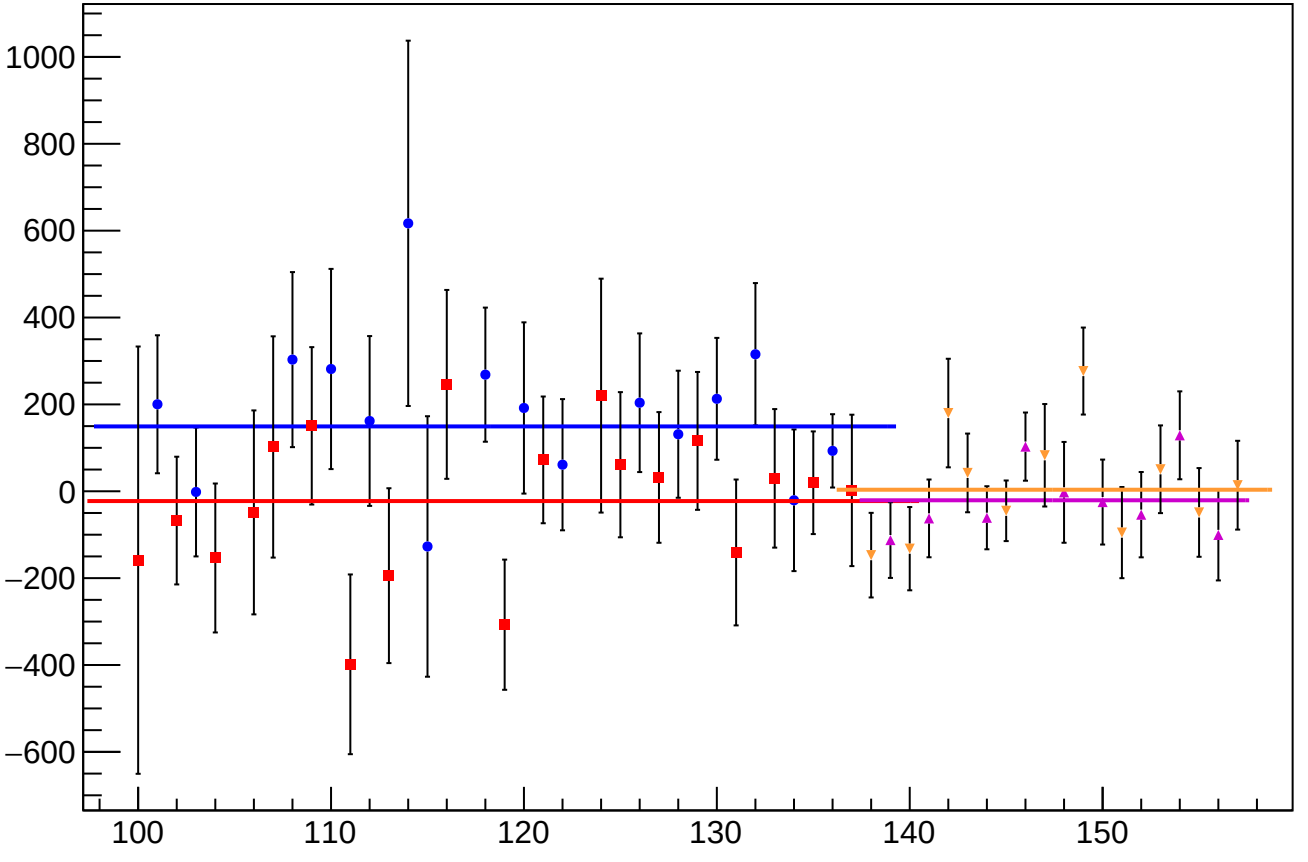
Left In: 0.000+/-0.000 χ^2/NDF:982038.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 6405340.5/26

All: 0.000+/-0.000 χ^2/NDF: 12378848.8/54

- sign 0.000+/-0.000 χ^2/NDF: 5562743.1/27

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

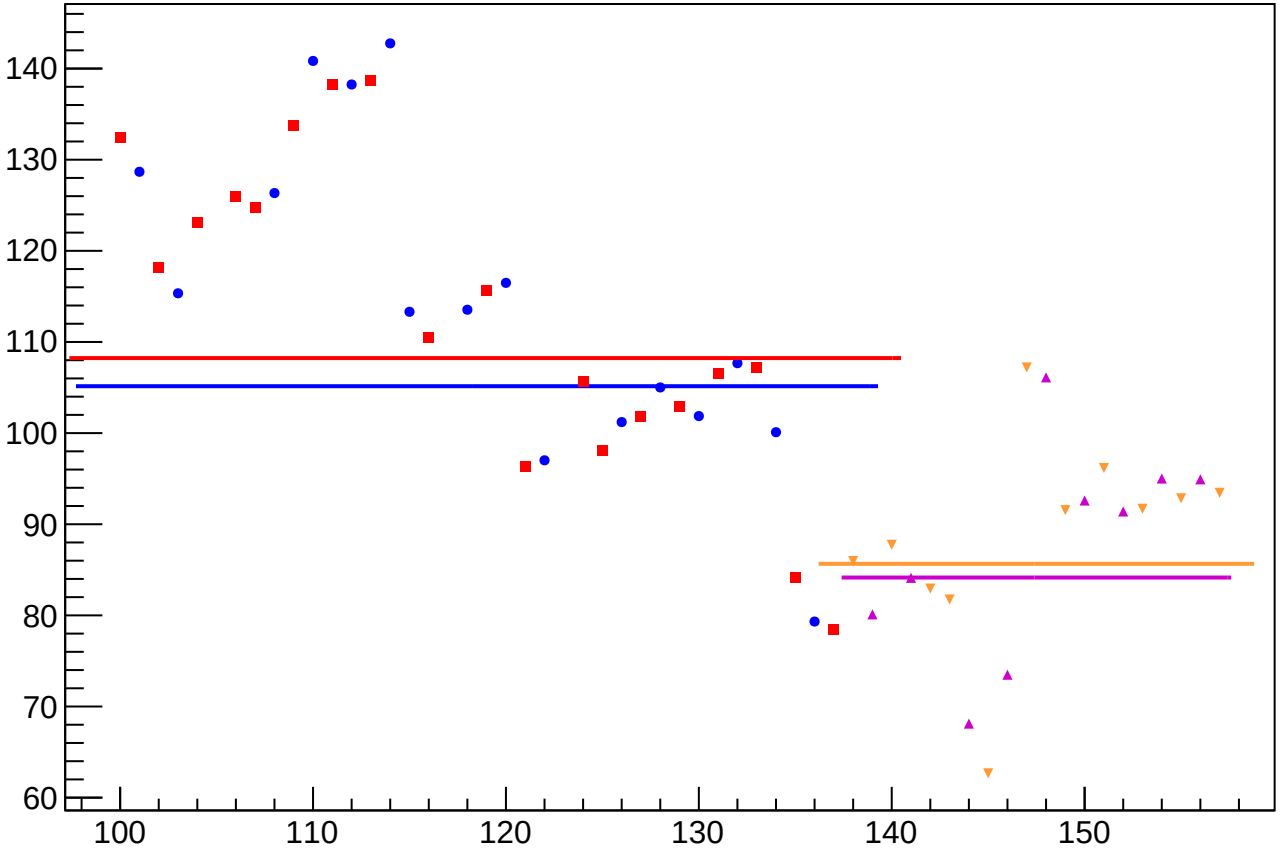
Left In: -20.750+/-30.435 χ^2/NDF:7.0/8

+ sign 55.171+/-23.620 χ^2/NDF: 33.1/26

All: 17.879+/-16.918 χ^2/NDF: 59.4/54

- sign -21.407+/-24.243 χ^2/NDF: 21.2/27

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

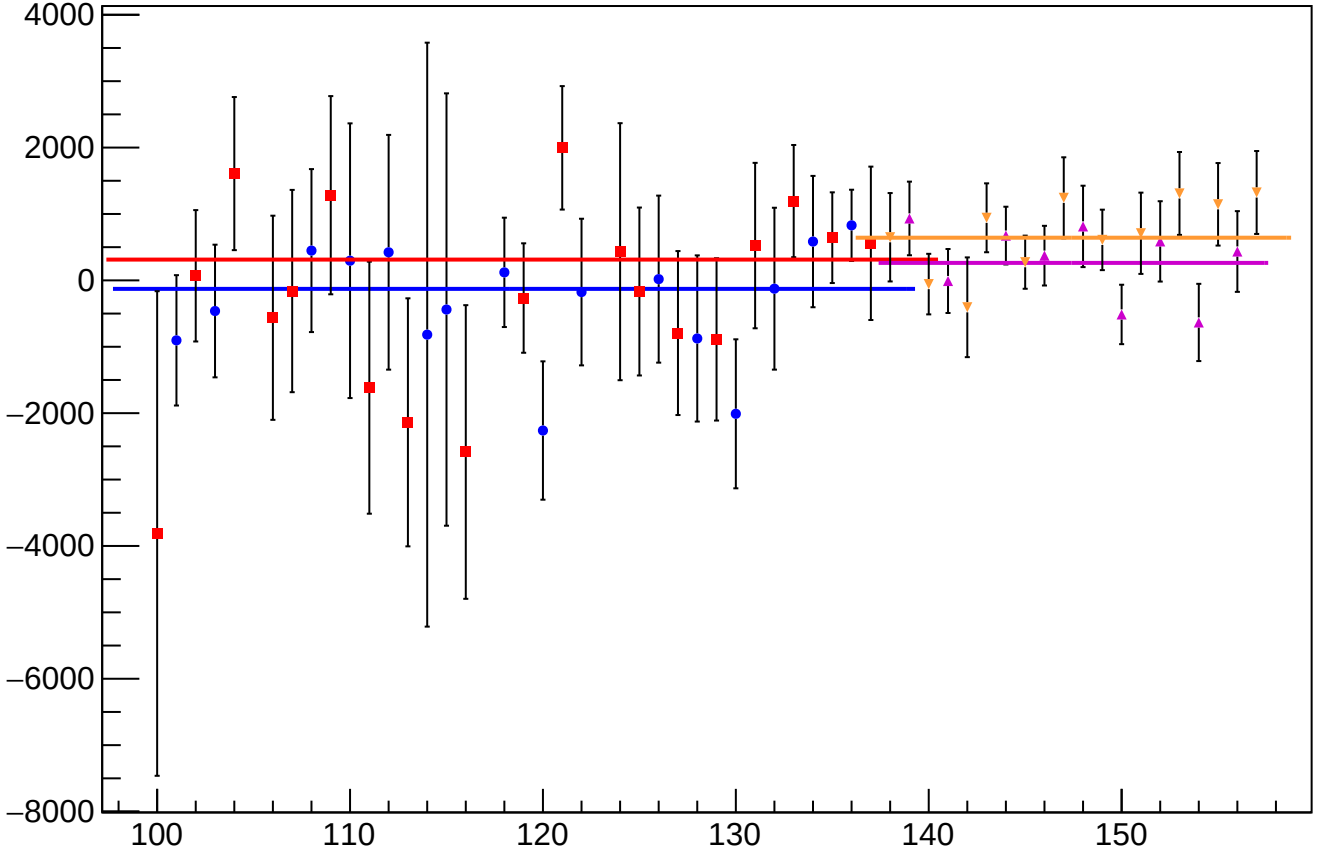
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 84.151+/-0.022 χ^2/NDF:280327.1/8

+ sign 92.561+/-0.017 χ^2/NDF: 1065117.8/26

All: 92.752+/-0.012 χ^2/NDF: 2153302.1/54

- sign 92.953+/-0.017 χ^2/NDF: 1087916.3/27



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.576+/-165.083 χ^2/NDF:9.4/10

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

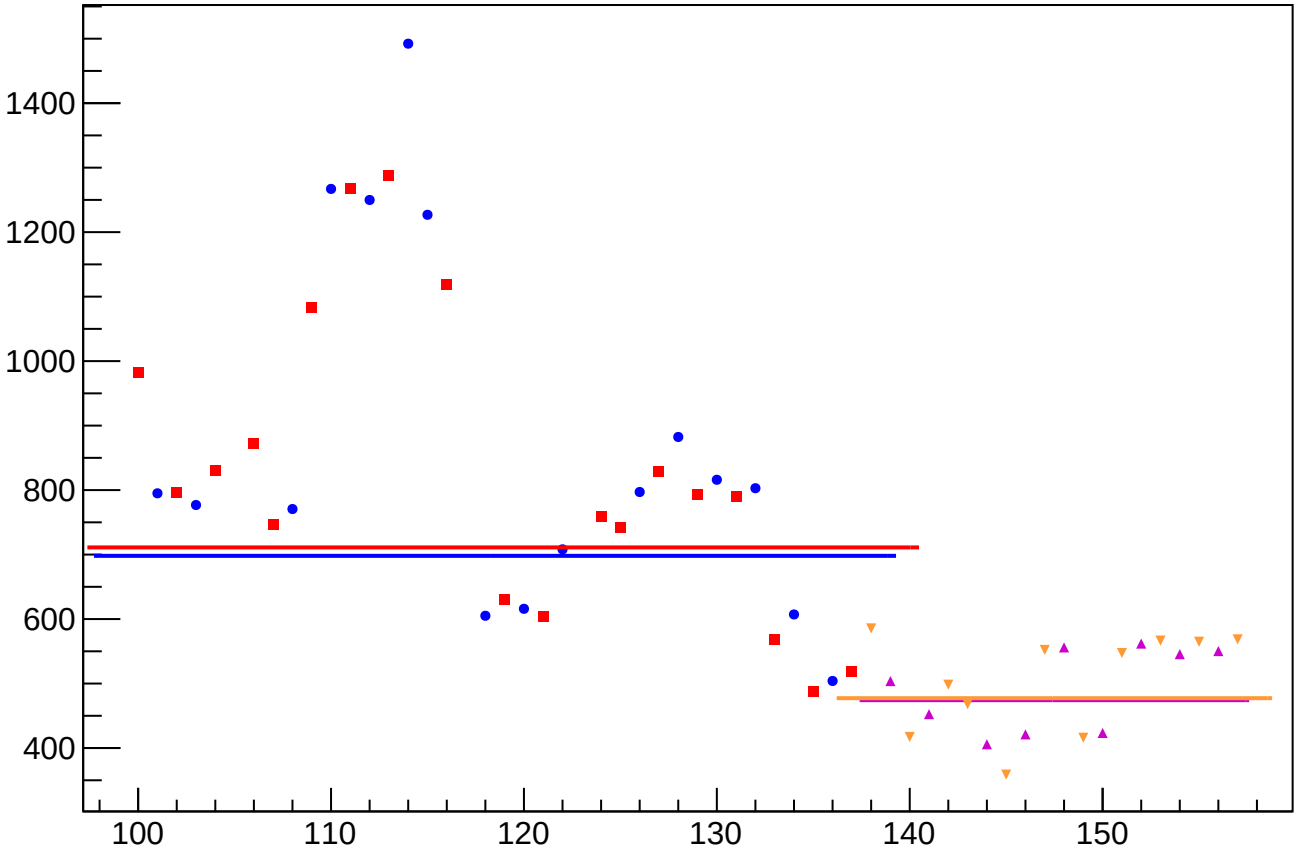
Left In: 263.169+/-171.877 χ^2/NDF:9.3/8

+ sign 431.302+/-140.645 χ^2/NDF: 27.7/26

All: 356.770+/-100.960 χ^2/NDF: 52.6/54

- sign 277.538+/-145.012 χ^2/NDF: 24.3/27

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 477.284+/-0.117 χ^2/NDF:481115.5/10

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

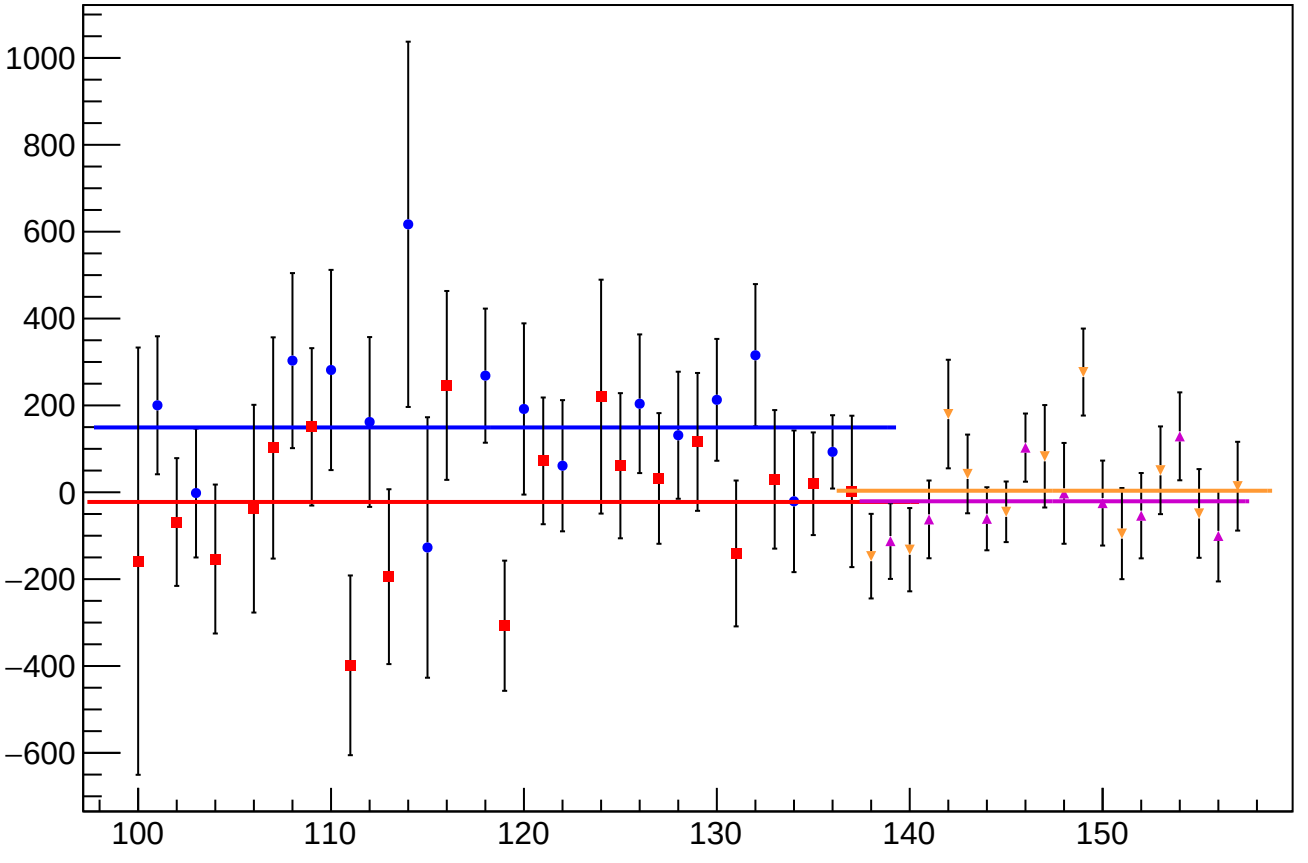
Left In: 474.221+/-0.122 χ^2/NDF:252015.6/8

+ sign 537.810+/-0.099 χ^2/NDF: 2374600.1/26

All: 540.074+/-0.071 χ^2/NDF: 4757415.7/54

- sign 542.481+/-0.103 χ^2/NDF: 2381746.3/27

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

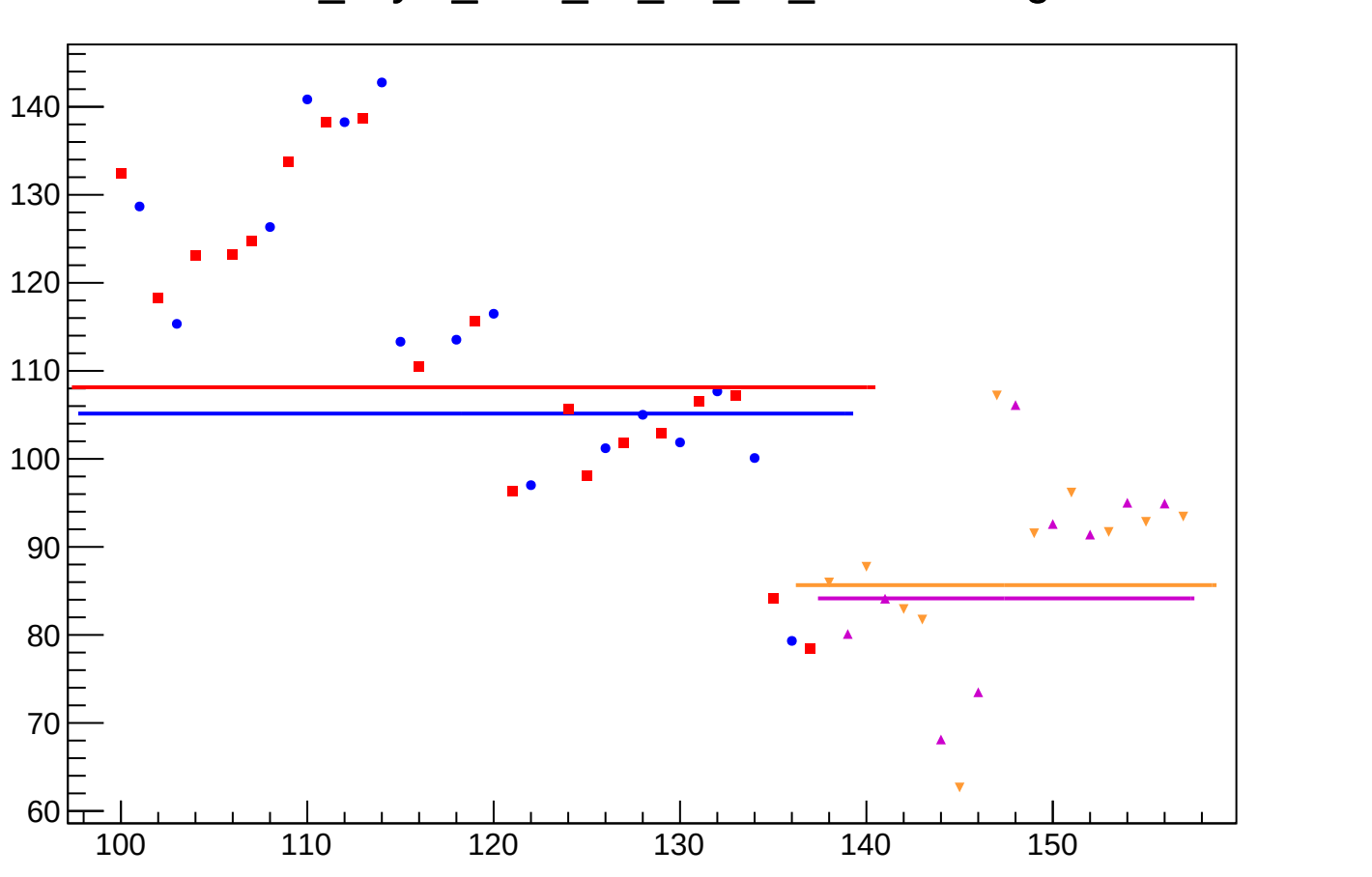
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -20.750+/-30.435 χ^2/NDF:7.0/8

+ sign 55.167+/-23.620 χ^2/NDF: 33.1/26

All: 17.930+/-16.920 χ^2/NDF: 59.4/54

- sign -21.315+/-24.248 χ^2/NDF: 21.2/27



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

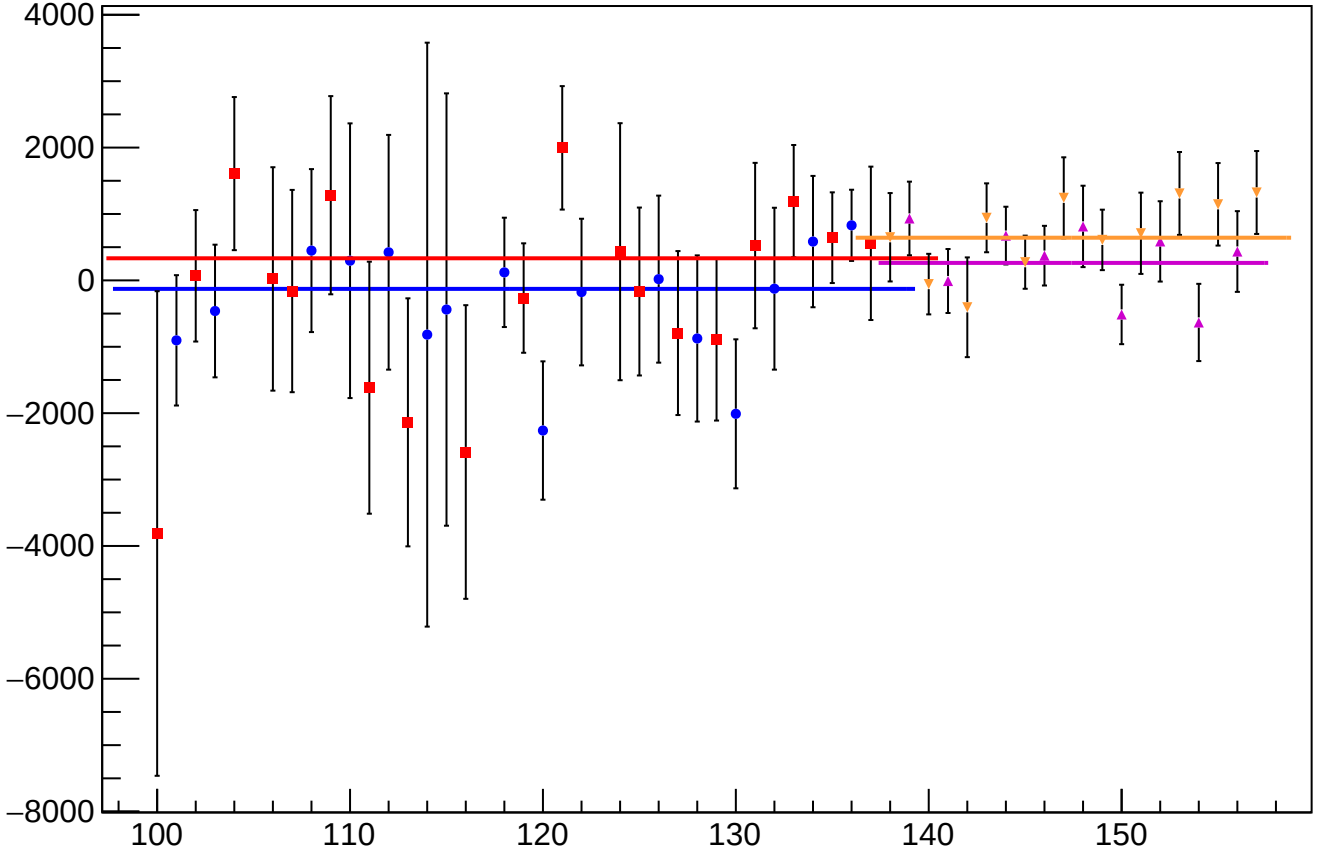
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.151+/-0.022 χ^2/NDF:280327.1/8

+ sign 92.561+/-0.017 χ^2/NDF: 1065118.1/26

All: 92.732+/-0.012 χ^2/NDF: 2145661.2/54

- sign 92.912+/-0.017 χ^2/NDF: 1080328.7/27



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.578+/-165.083 χ^2/NDF:9.4/10

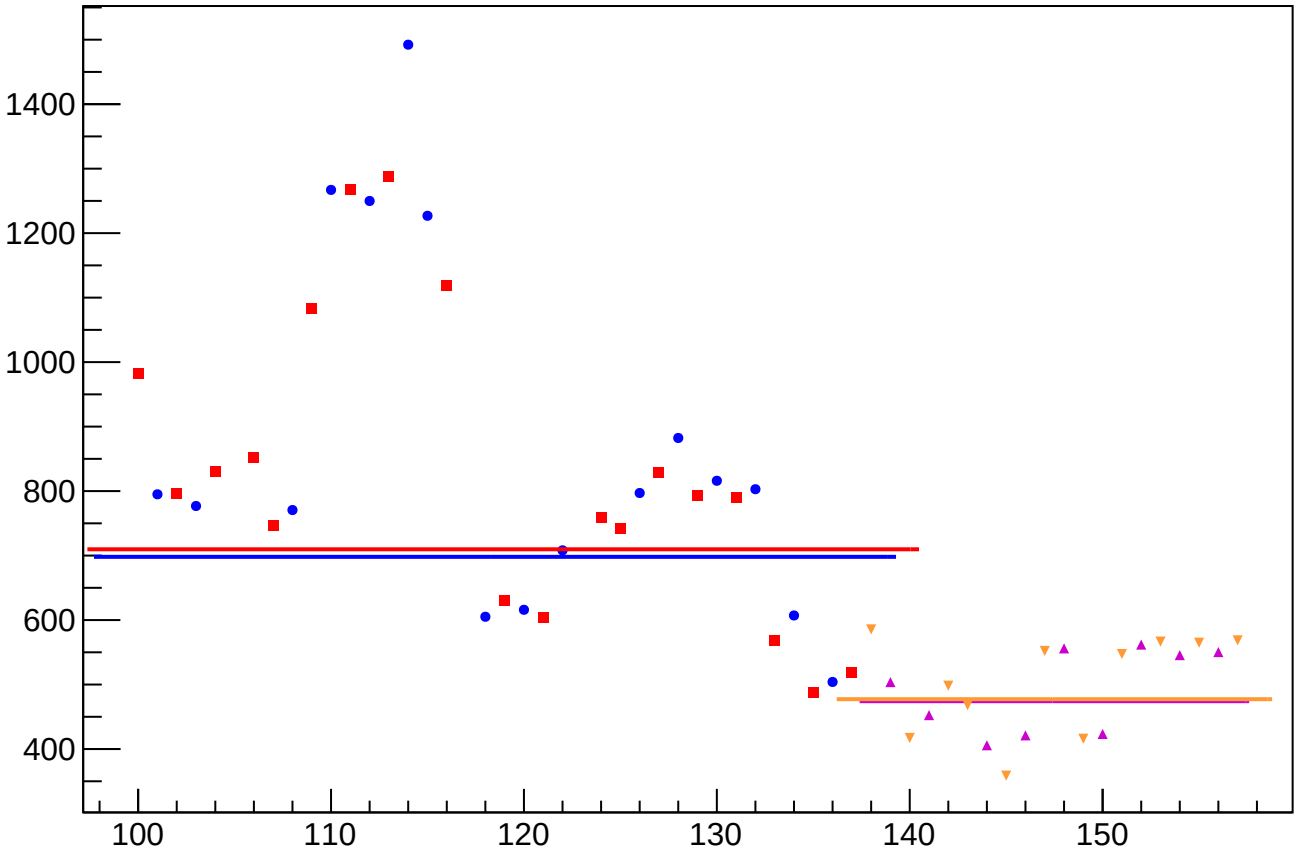
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 263.168+/-171.877 χ^2/NDF:9.3/8

+ sign 431.307+/-140.645 χ^2/NDF: 27.7/26

All: 359.534+/-100.996 χ^2/NDF: 52.3/54

- sign 283.121+/-145.121 χ^2/NDF: 24.0/27



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

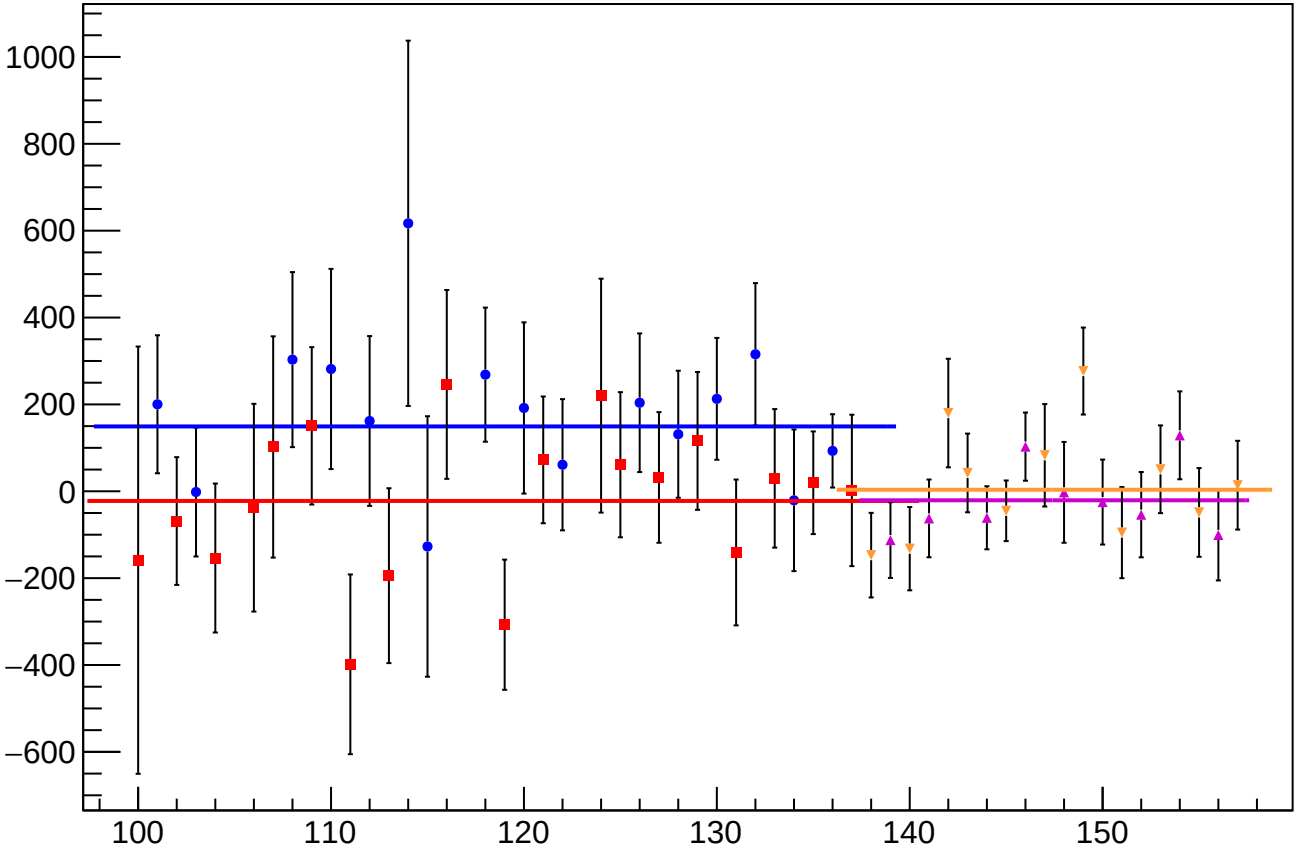
Left In: 474.221+/-0.122 χ^2/NDF:252013.5/8

+ sign 537.810+/-0.099 χ^2/NDF: 2374613.6/26

All: 539.764+/-0.071 χ^2/NDF: 4732797.7/54

- sign 541.844+/-0.103 χ^2/NDF: 2357387.4/27

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 3.540+/-29.392 χ^2/NDF:16.3/10

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

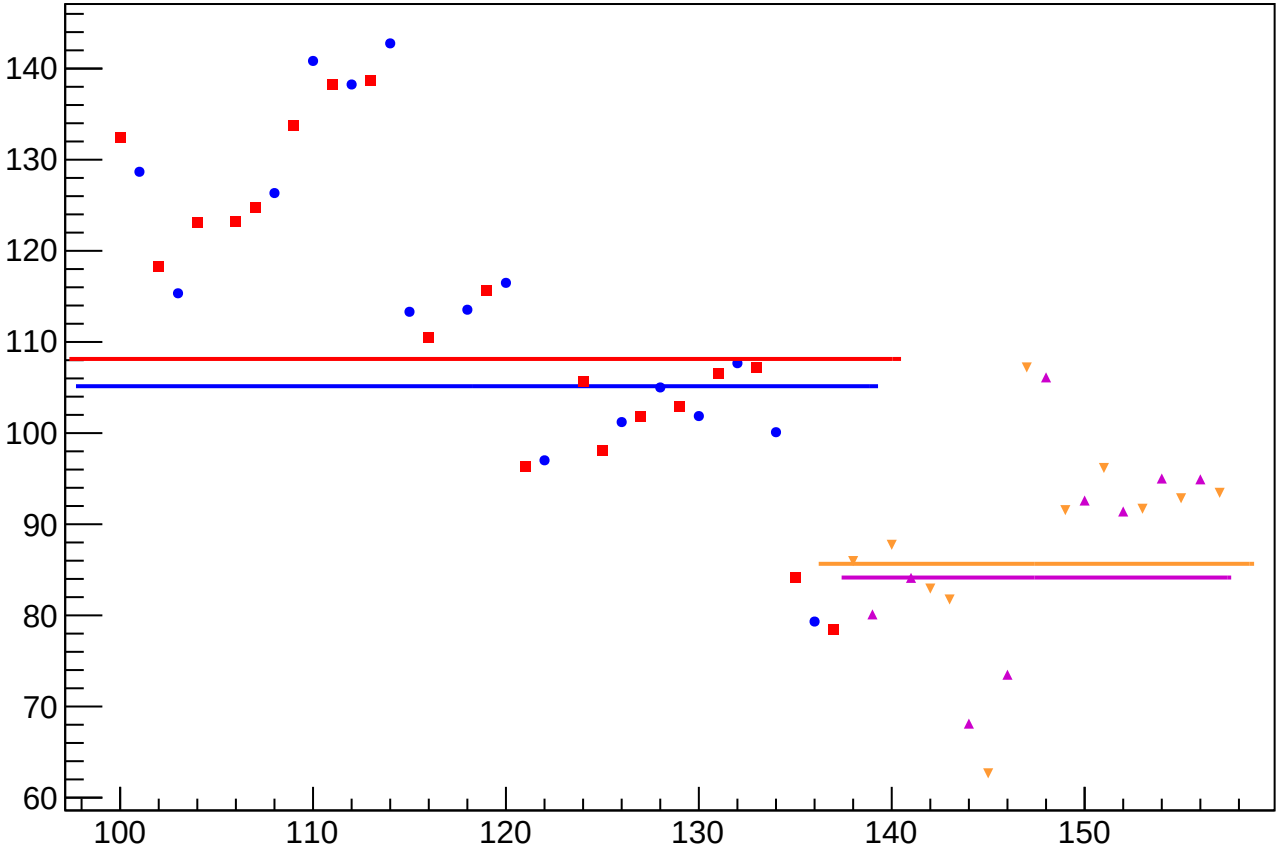
Left In: -20.750+/-30.435 χ^2/NDF:7.0/8

+ sign 55.167+/-23.620 χ^2/NDF: 33.1/26

All: 17.930+/-16.920 χ^2/NDF: 59.4/54

- sign -21.315+/-24.248 χ^2/NDF: 21.2/27

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.658+/-0.021 χ^2/NDF:345285.7/10

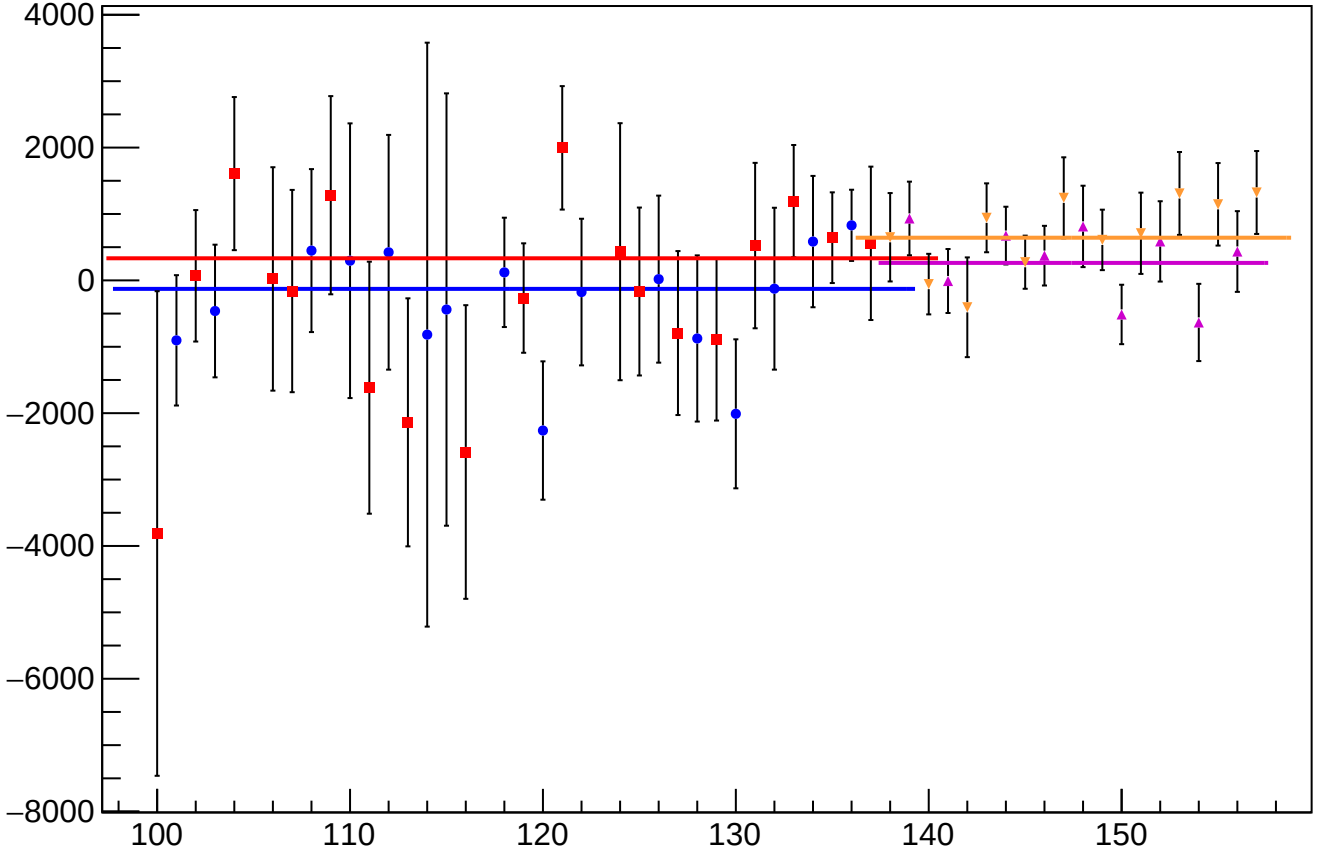
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 84.151+/-0.022 χ^2/NDF:280327.1/8

+ sign 92.561+/-0.017 χ^2/NDF: 1065118.1/26

All: 92.732+/-0.012 χ^2/NDF: 2145661.2/54

- sign 92.912+/-0.017 χ^2/NDF: 1080328.7/27



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 642.578+/-165.083 χ^2/NDF:9.4/10

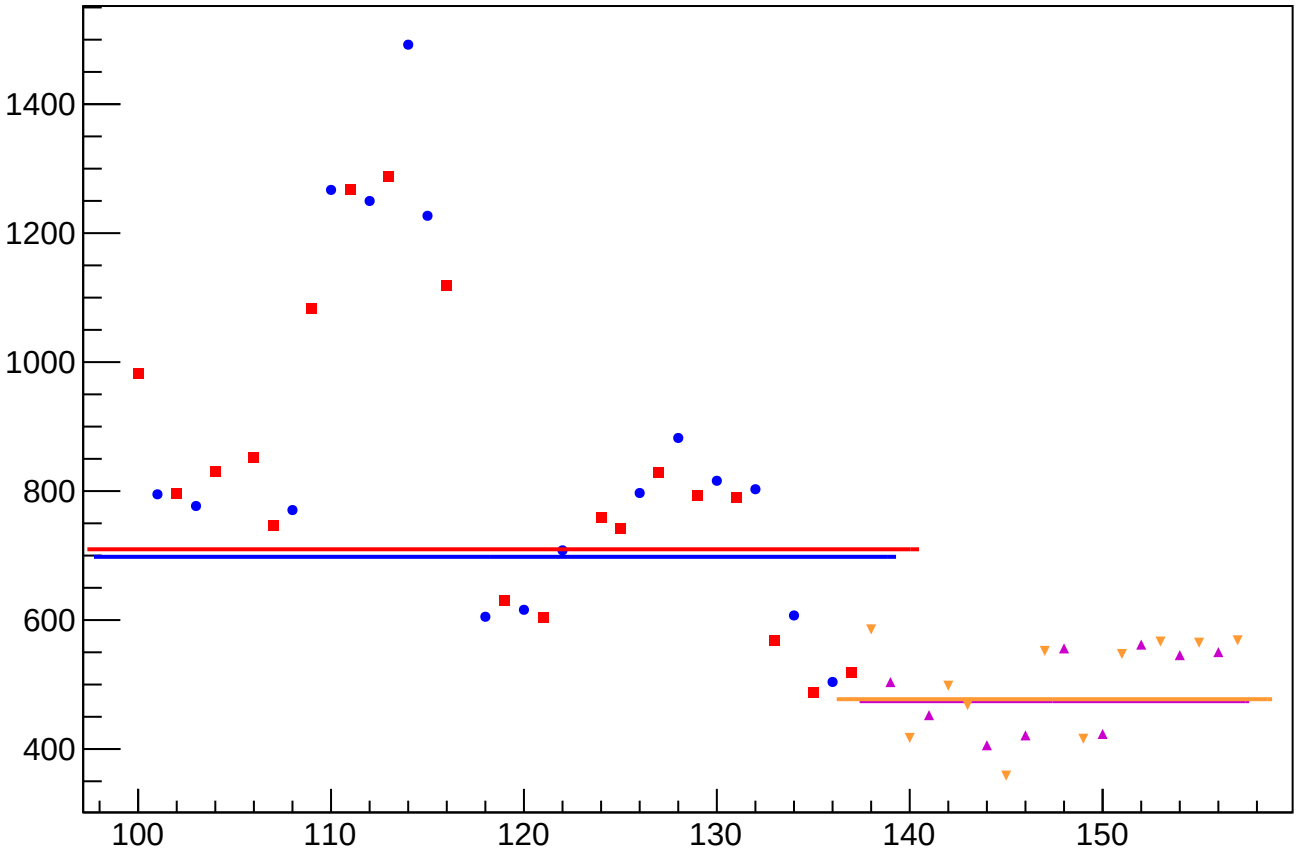
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 263.168+/-171.877 χ^2/NDF:9.3/8

+ sign 431.307+/-140.645 χ^2/NDF: 27.7/26

All: 359.534+/-100.996 χ^2/NDF: 52.3/54

- sign 283.121+/-145.121 χ^2/NDF: 24.0/27



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 477.284+/-0.117 χ^2/NDF:481117.0/10

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

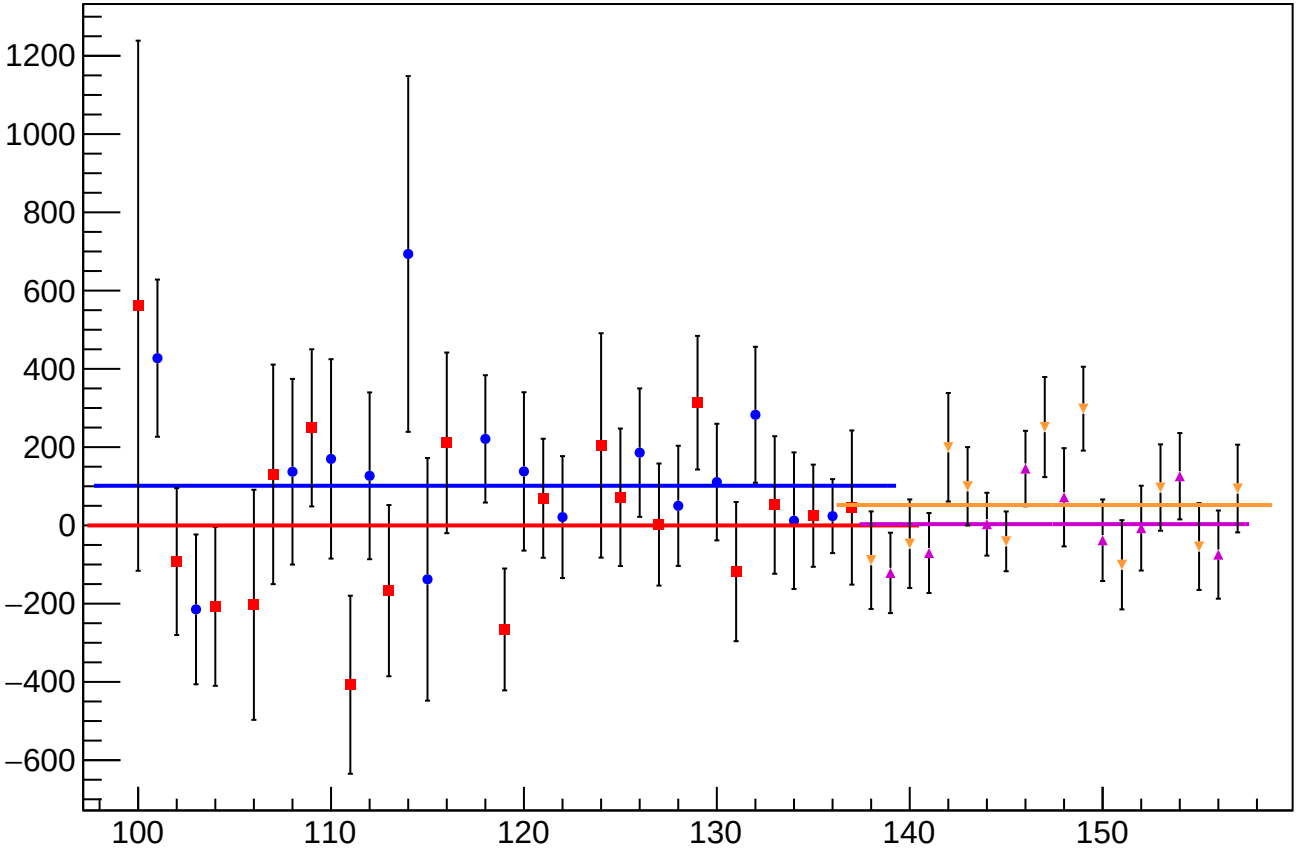
Left In: 474.221+/-0.122 χ^2/NDF:252013.5/8

+ sign 537.810+/-0.099 χ^2/NDF: 2374613.6/26

All: 539.764+/-0.071 χ^2/NDF: 4732797.7/54

- sign 541.844+/-0.103 χ^2/NDF: 2357387.4/27

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.052+/-32.730 χ^2/NDF:15.6/10

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

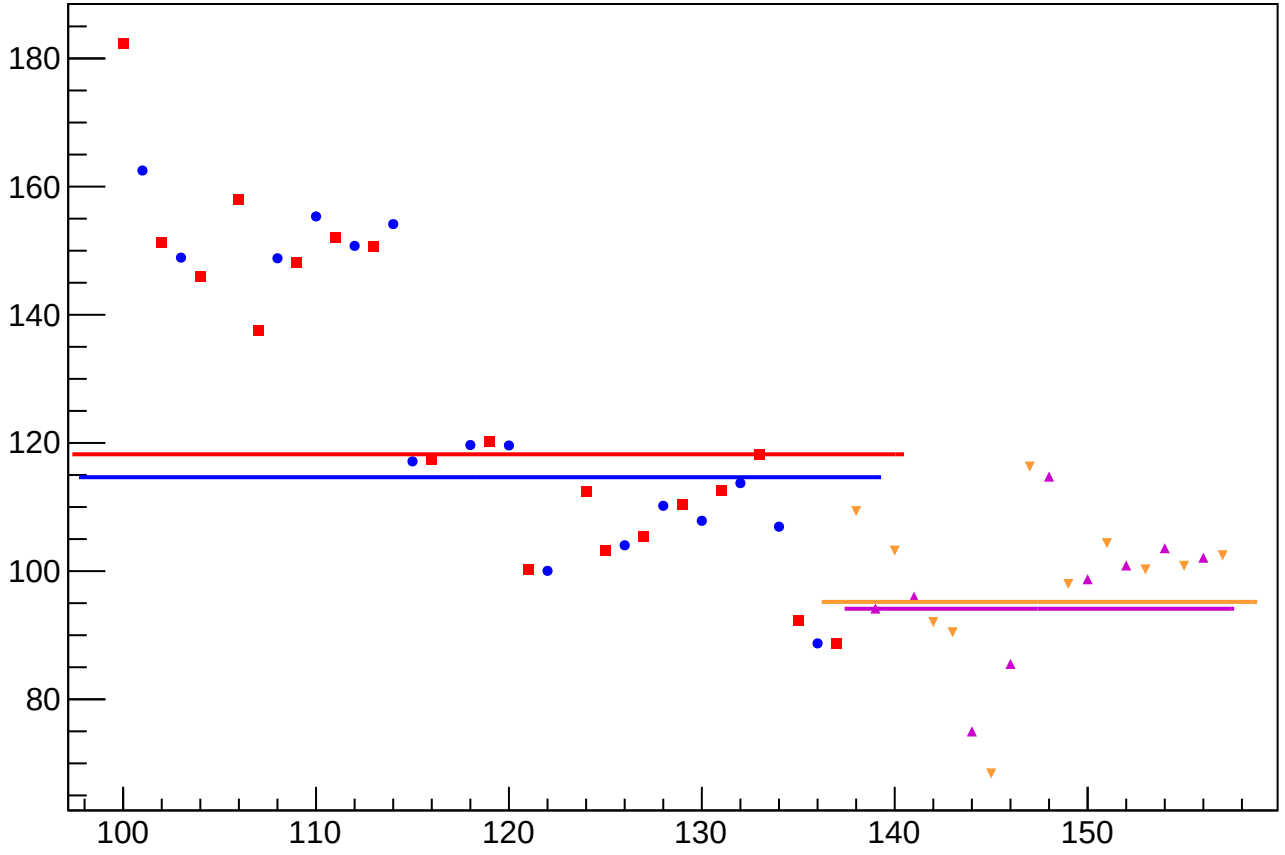
Left In: 3.196+/-34.210 χ^2/NDF:6.3/8

+ sign 69.842+/-26.156 χ^2/NDF: 27.4/26

All: 36.992+/-18.792 χ^2/NDF: 53.6/54

- sign 1.946+/-27.016 χ^2/NDF: 22.9/27

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.199+/-0.023 χ^2/NDF:373420.6/10

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

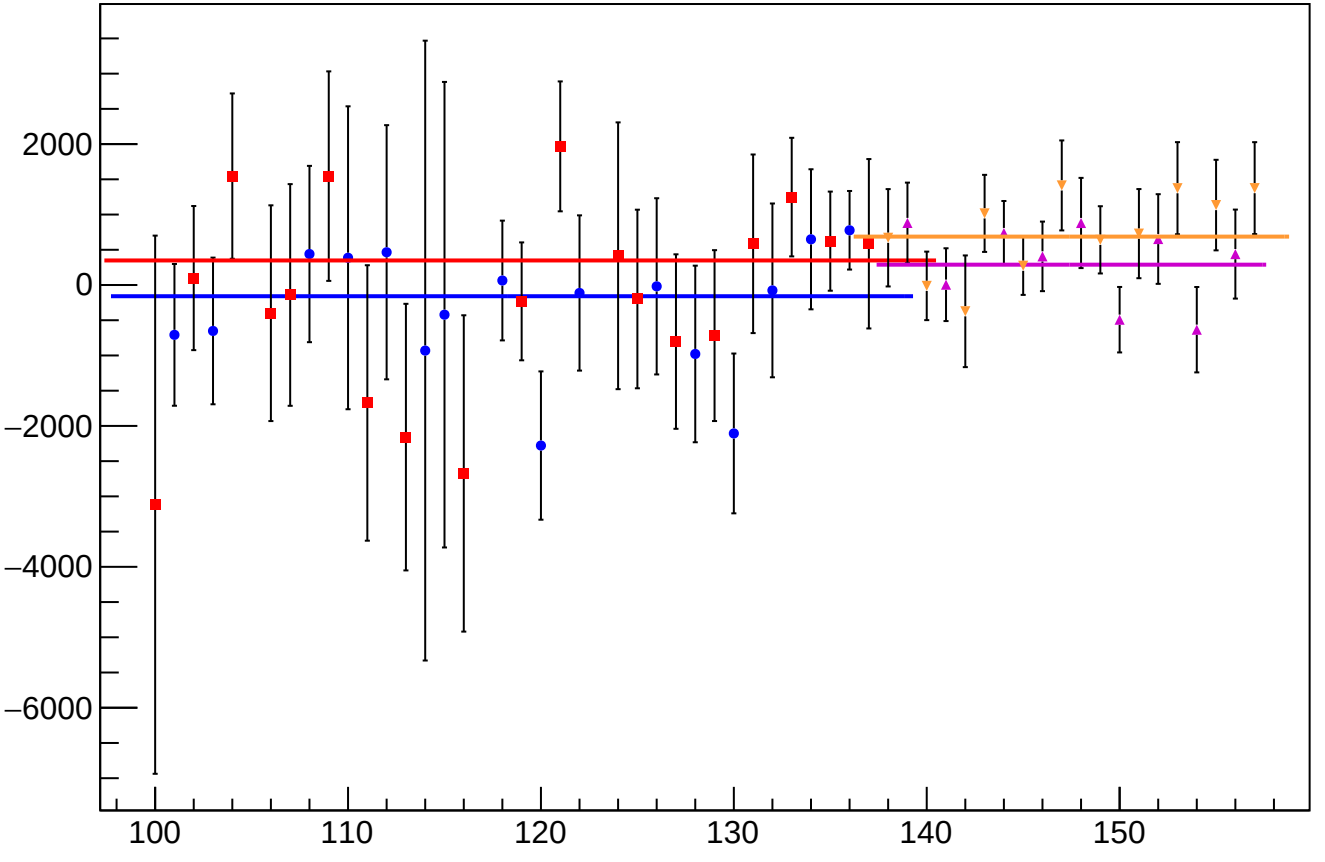
Left In: 94.131+/-0.024 χ^2/NDF:220536.9/8

+ sign 102.230+/-0.018 χ^2/NDF: 1160787.1/26

All: 102.700+/-0.013 χ^2/NDF: 2239626.9/54

- sign 103.202+/-0.019 χ^2/NDF: 1077502.7/27

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 686.964+/-172.631 χ^2/NDF:9.2/10

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

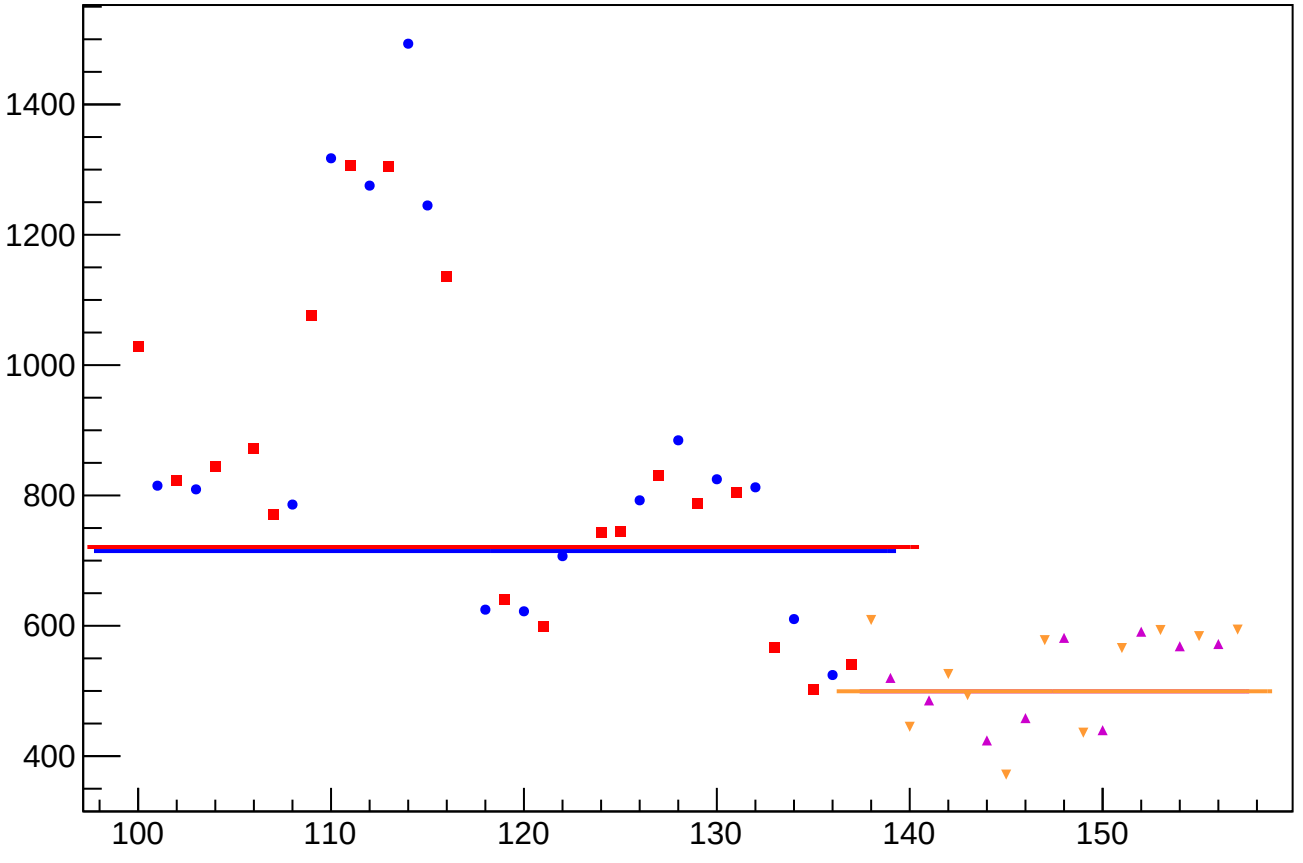
Left In: 288.567+/-181.012 χ^2/NDF:8.8/8

+ sign 447.246+/-146.143 χ^2/NDF: 28.0/26

All: 379.312+/-105.001 χ^2/NDF: 51.6/54

- sign 306.823+/-150.963 χ^2/NDF: 23.1/27

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 499.506+/-0.122 χ^2/NDF:474385.3/10

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

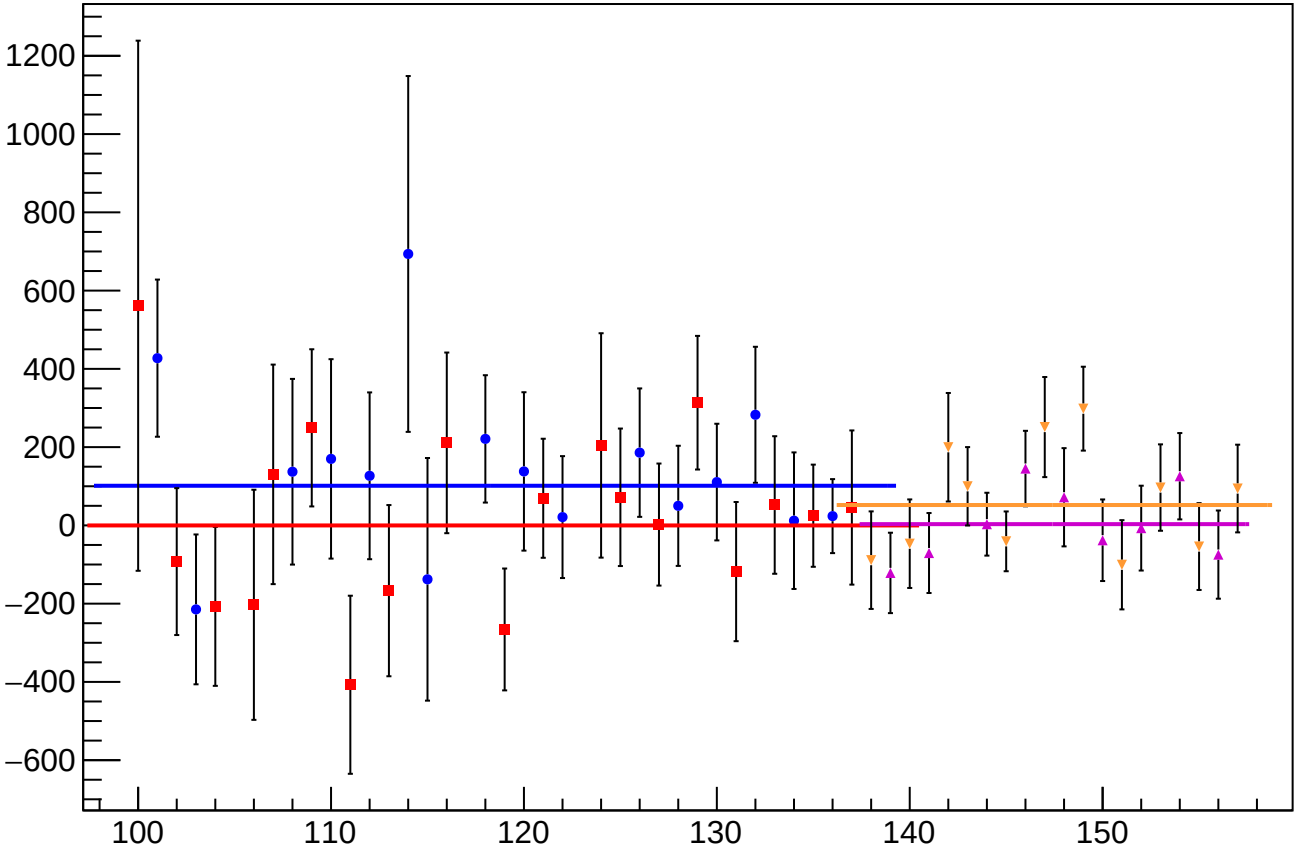
Left In: 499.357+/-0.128 χ^2/NDF:232525.4/8

+ sign 560.467+/-0.103 χ^2/NDF: 2230855.7/26

All: 563.532+/-0.074 χ^2/NDF: 4395631.0/54

- sign 566.802+/-0.107 χ^2/NDF: 2162956.9/27

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 52.050+/-32.730 χ^2/NDF:15.6/10

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

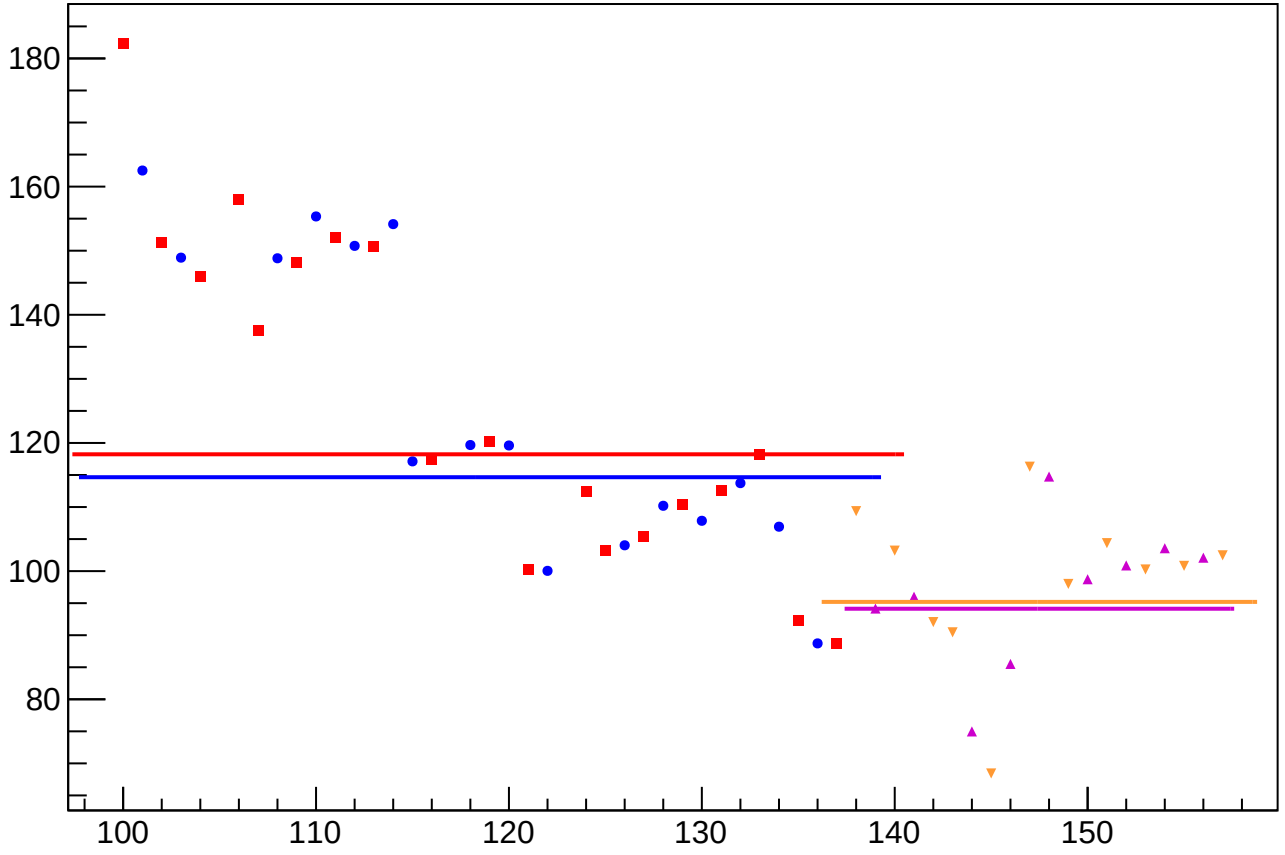
Left In: 3.197+/-34.210 χ^2/NDF:6.3/8

+ sign 69.840+/-26.156 χ^2/NDF: 27.4/26

All: 36.991+/-18.792 χ^2/NDF: 53.6/54

- sign 1.947+/-27.016 χ^2/NDF: 22.9/27

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.199+/-0.023 χ^2/NDF:373425.6/10

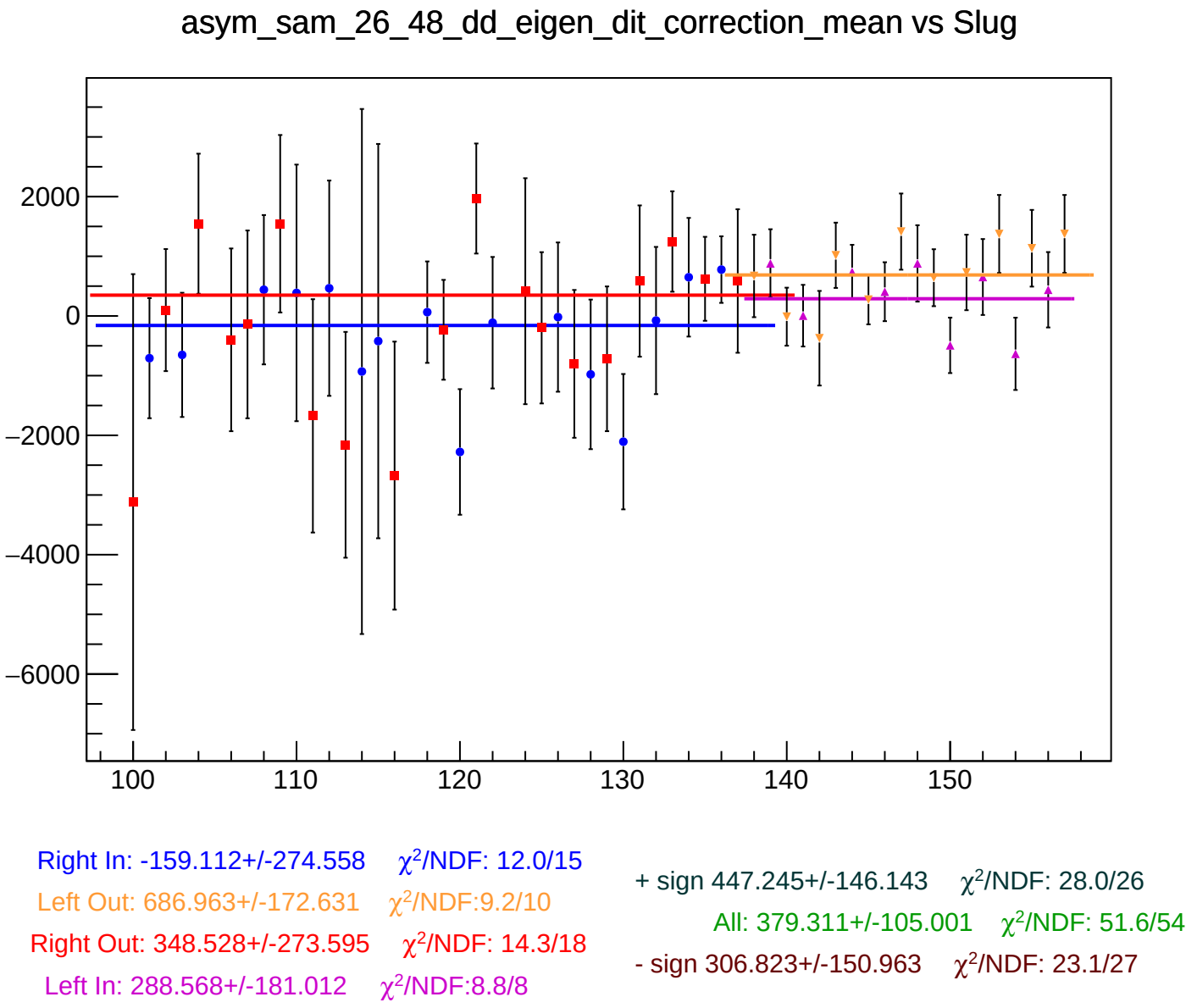
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

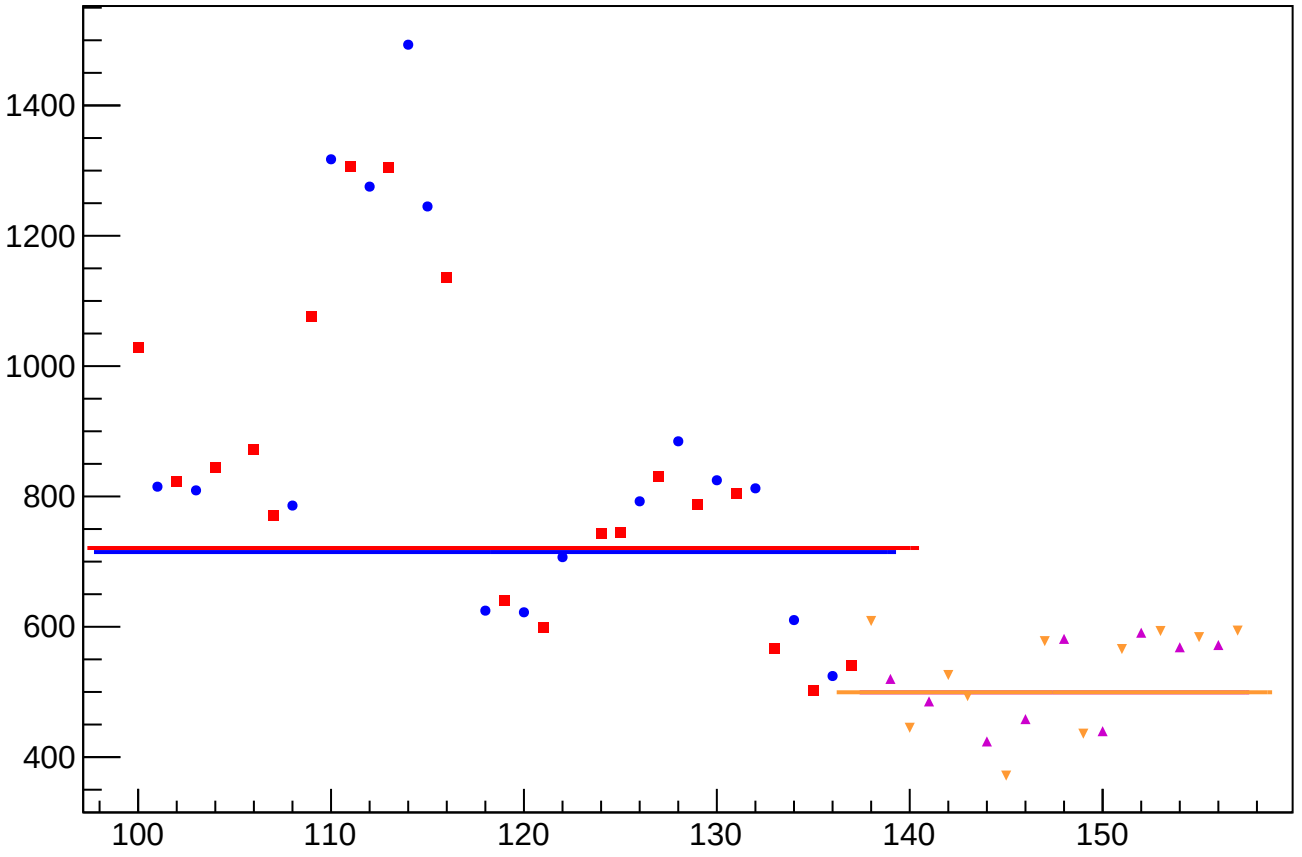
Left In: 94.131+/-0.024 χ^2/NDF:220536.4/8

+ sign 102.230+/-0.018 χ^2/NDF: 1160783.1/26

All: 102.700+/-0.013 χ^2/NDF: 2239614.4/54

- sign 103.202+/-0.019 χ^2/NDF: 1077494.3/27


asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -159.112+/-274.558 χ²/NDF: 12.0/15
Left Out: 686.963+/-172.631 χ²/NDF:9.2/10
Right Out: 348.528+/-273.595 χ²/NDF: 14.3/18
Left In: 288.568+/-181.012 χ²/NDF:8.8/8
+ sign 447.245+/-146.143 χ²/NDF: 28.0/26
All: 379.311+/-105.001 χ²/NDF: 51.6/54
- sign 306.823+/-150.963 χ²/NDF: 23.1/27



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 499.506+/-0.122 χ^2/NDF:474386.7/10

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

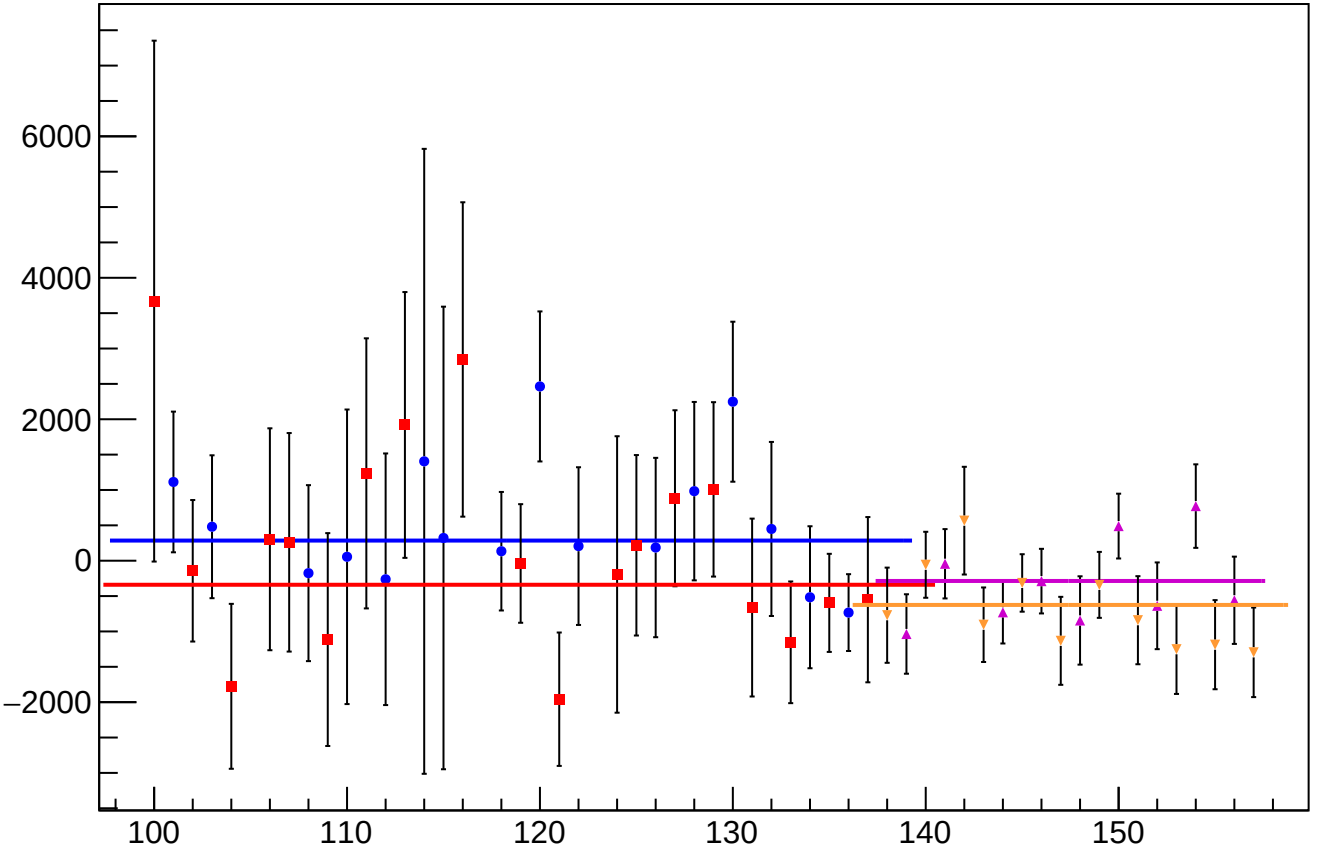
Left In: 499.357+/-0.128 χ^2/NDF:232523.0/8

+ sign 560.467+/-0.103 χ^2/NDF: 2230851.3/26

All: 563.532+/-0.074 χ^2/NDF: 4395614.4/54

- sign 566.803+/-0.107 χ^2/NDF: 2162944.7/27

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -625.229+/-167.902 χ^2/NDF:8.9/10

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

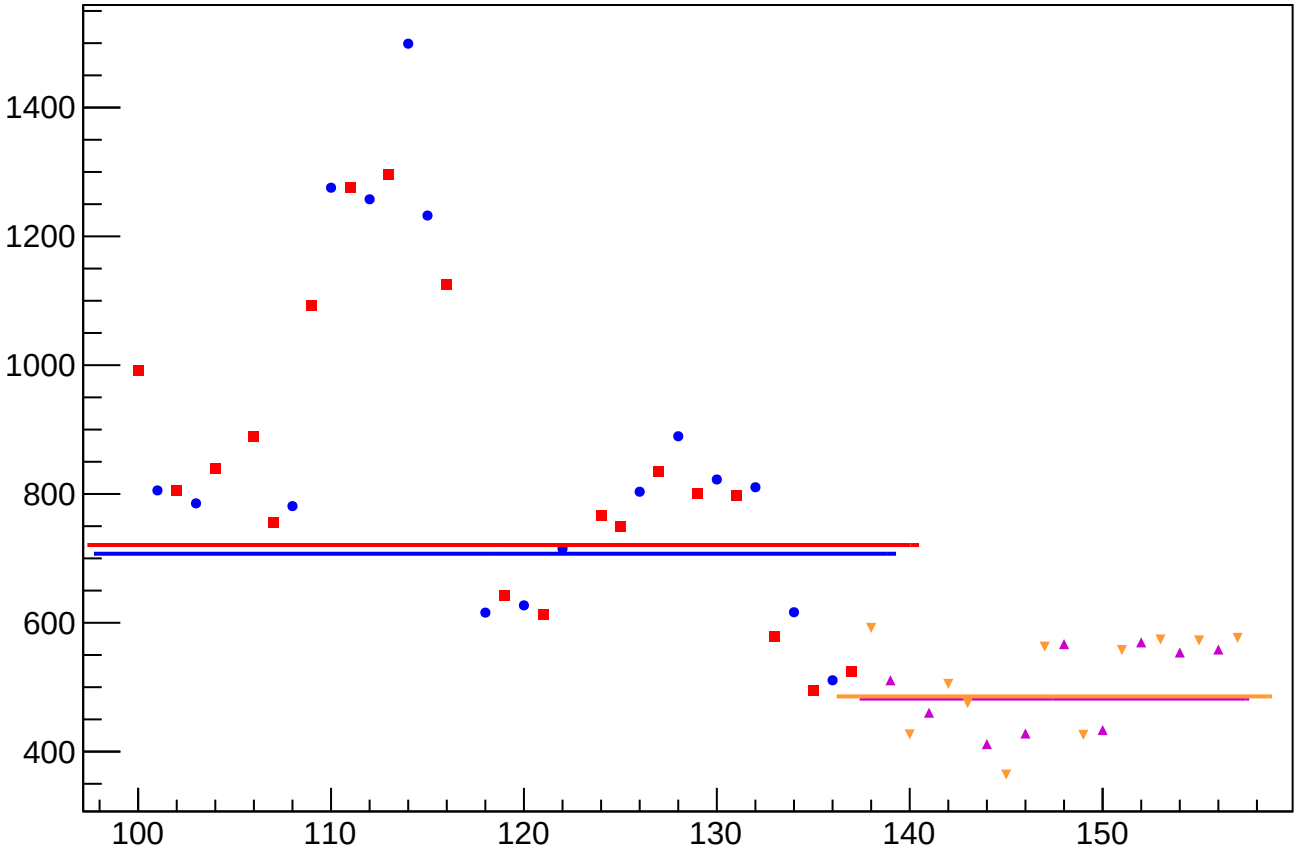
Left In: -286.377+/-174.736 χ^2/NDF:10.4/8

+ sign -374.075+/-142.865 χ^2/NDF: 29.8/26

All: -339.090+/-102.541 χ^2/NDF: 54.5/54

- sign -301.918+/-147.265 χ^2/NDF: 24.5/27

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 485.703+/-0.119 χ^2/NDF:471274.4/10

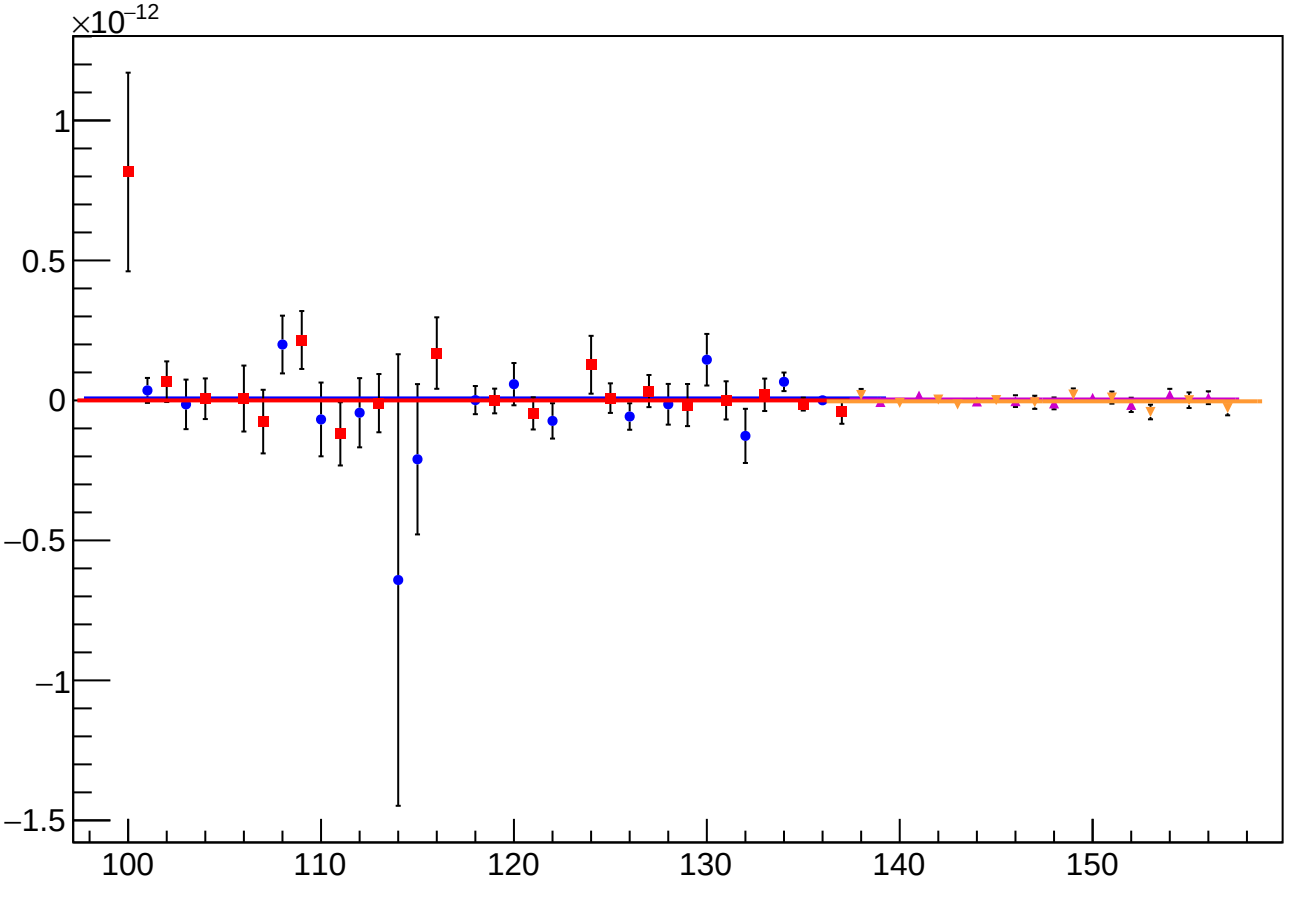
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 482.257+/-0.124 χ^2/NDF:248472.8/8

+ sign 546.836+/-0.101 χ^2/NDF: 2328667.3/26

All: 549.029+/-0.073 χ^2/NDF: 4673032.9/54

- sign 551.359+/-0.104 χ^2/NDF: 2343393.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/10

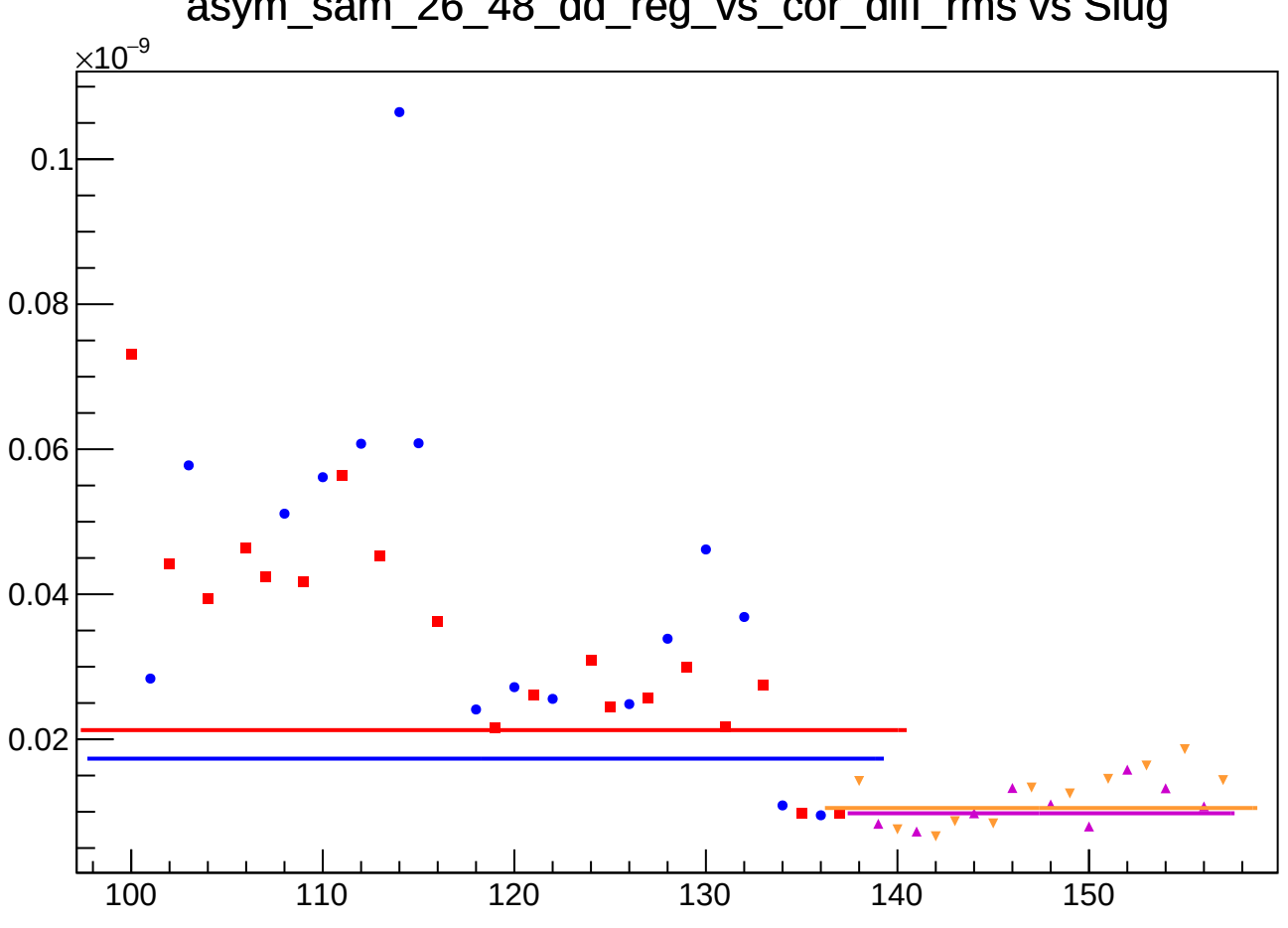
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/8

\+ sign -0.000+/-0.000 χ^2/NDF: 24.6/26

All: 0.000+/-0.000 χ^2/NDF: 46.3/54

\- sign 0.000+/-0.000 χ^2/NDF: 21.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771050.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

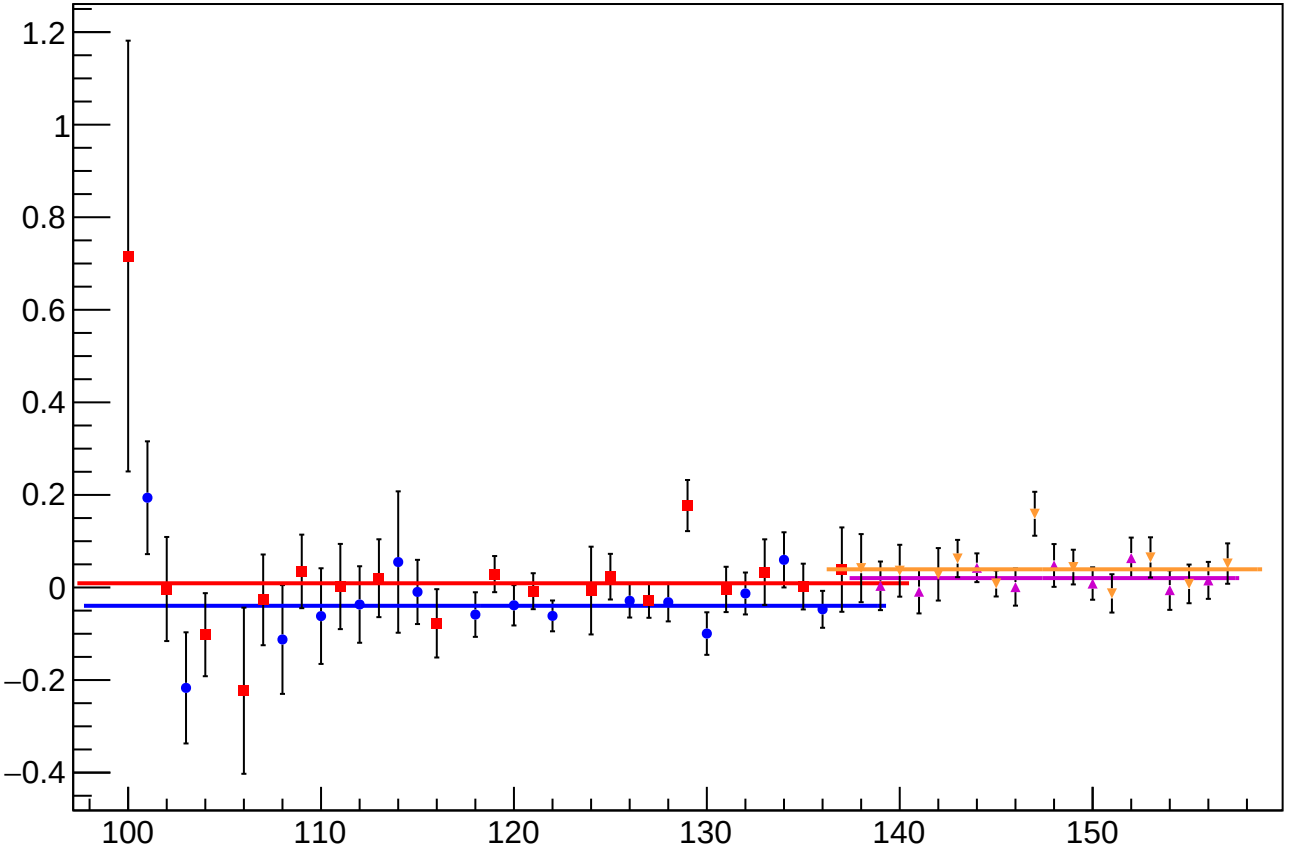
Left In: 0.000+/-0.000 χ^2/NDF:348556.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3707856.8/26

All: 0.000+/-0.000 χ^2/NDF: 6969355.6/54

- sign 0.000+/-0.000 χ^2/NDF: 3258858.3/27

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

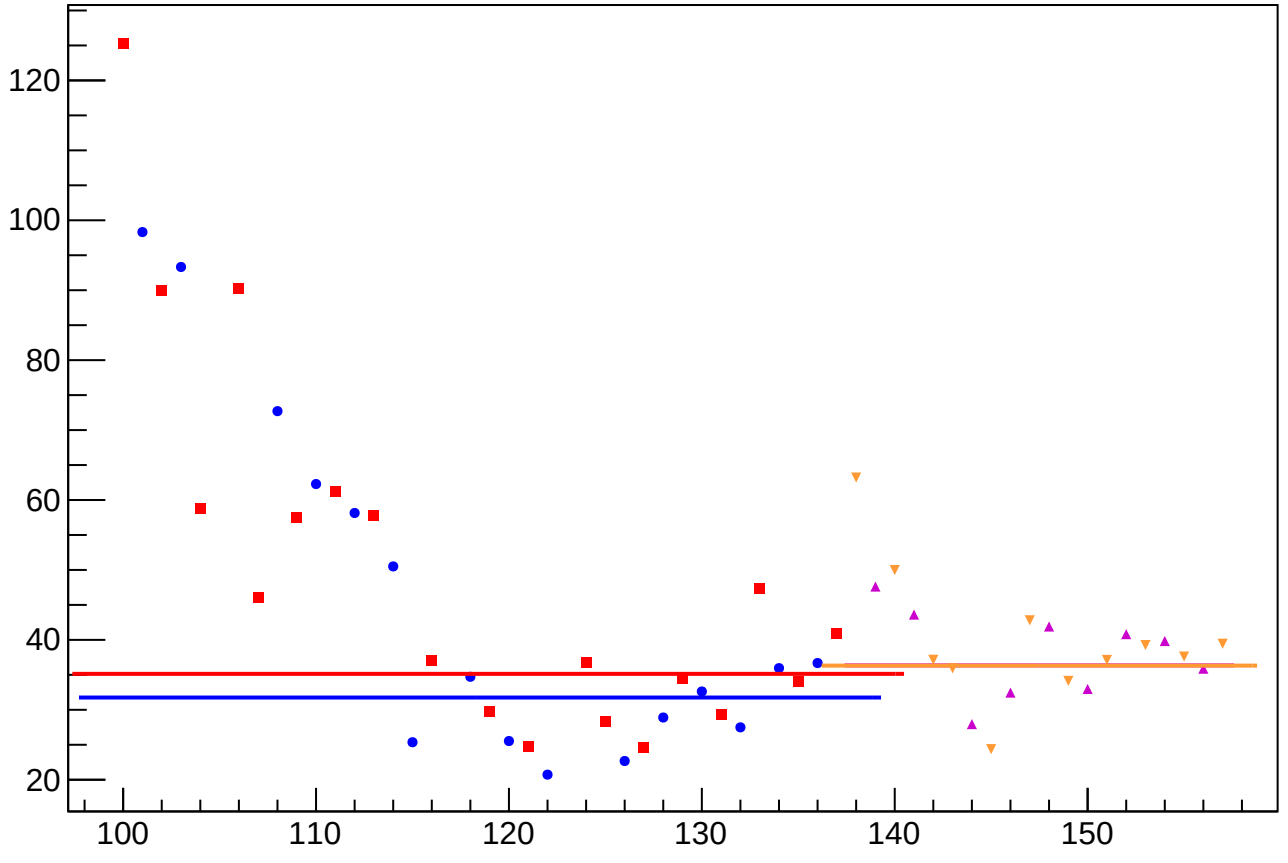
Left In: 0.020+/-0.014 χ^2/NDF:3.0/8

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.007+/-0.007 χ^2/NDF: 64.1/54

- sign 0.015+/-0.010 χ^2/NDF: 21.7/27

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

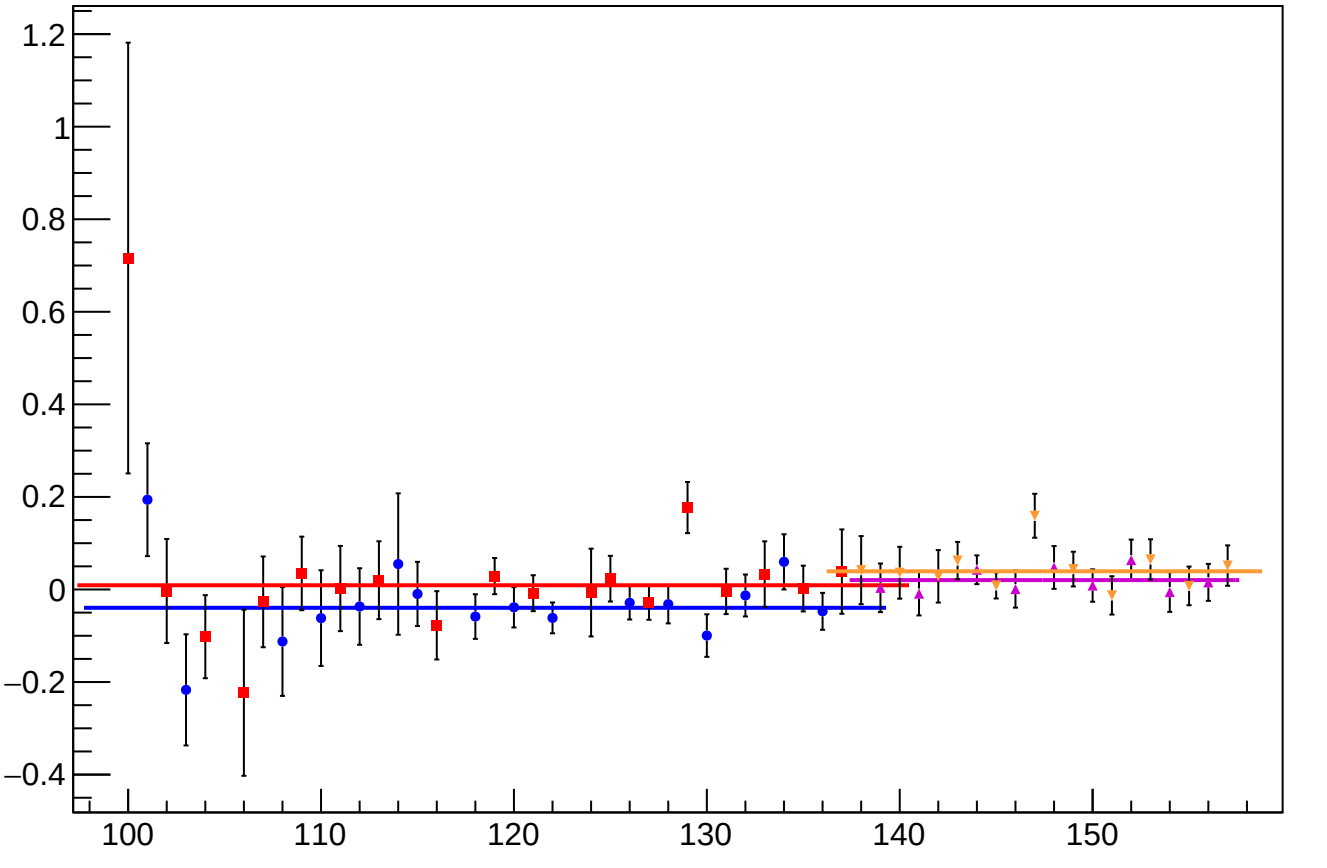
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

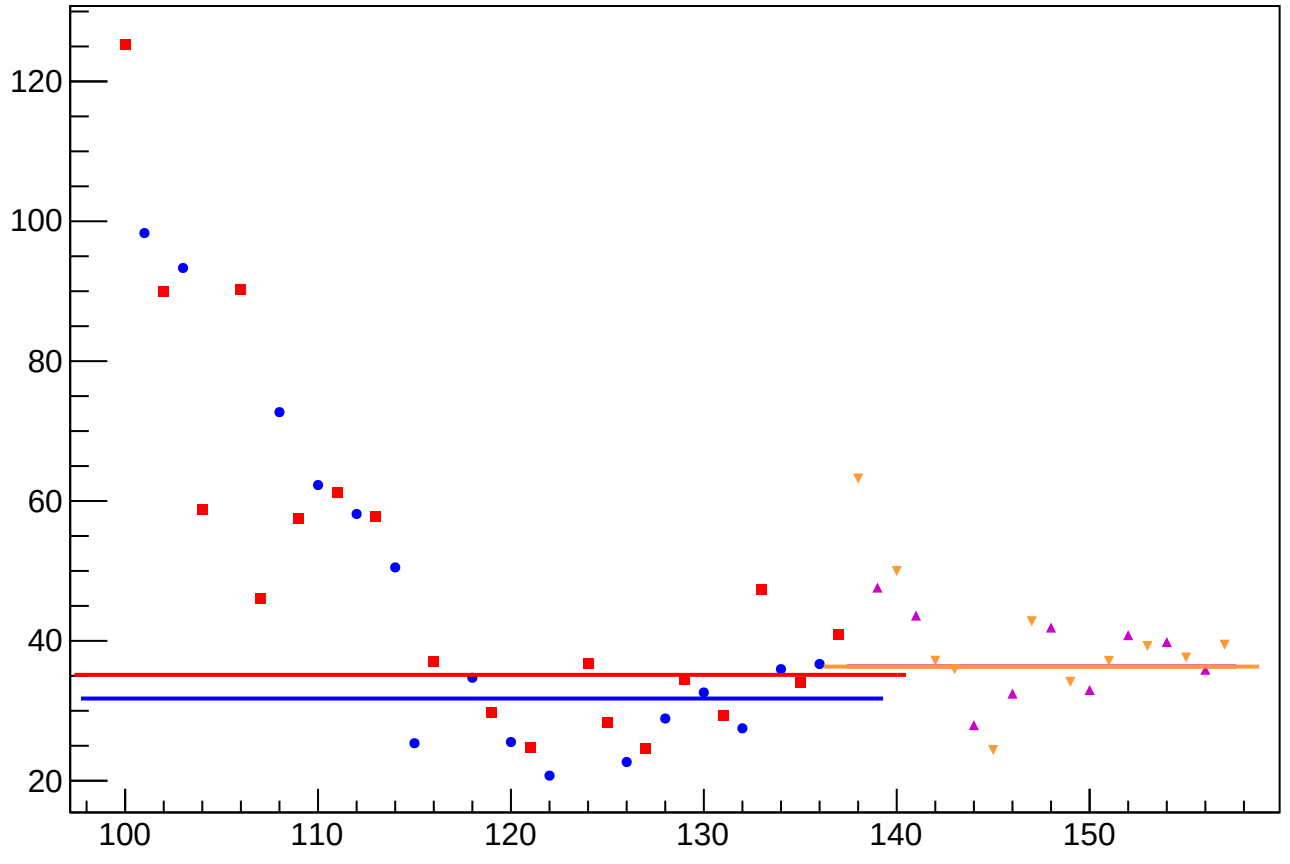
Left In: 36.353+/-0.010 χ^2/NDF:386335.8/8

\+ sign 34.092+/-0.007 χ^2/NDF: 3188220.7/26

All: 34.880+/-0.005 χ^2/NDF: 5458205.4/54

\- sign 35.773+/-0.007 χ^2/NDF: 2238672.5/27


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.039+/-0.013 χ²/NDF:10.5/10
Right Out: 0.009+/-0.014 χ²/NDF: 18.3/18
Left In: 0.020+/-0.014 χ²/NDF:3.0/8
+ sign 0.001+/-0.009 χ²/NDF: 41.4/26
All: 0.007+/-0.007 χ²/NDF: 64.1/54
- sign 0.015+/-0.010 χ²/NDF: 21.7/27



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.319+/-0.009 χ^2/NDF:812707.4/10

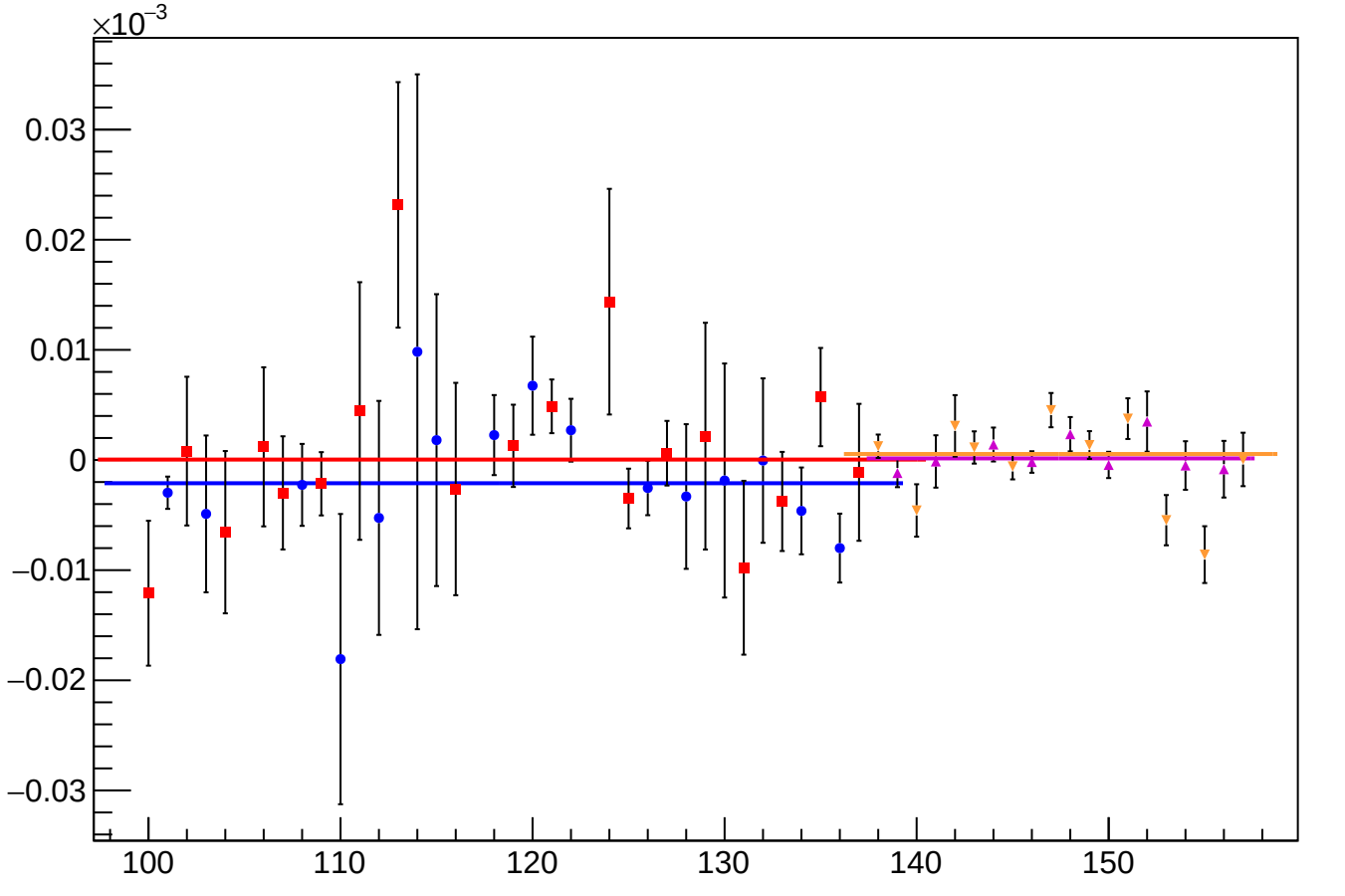
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.353+/-0.010 χ^2/NDF:386335.8/8

+ sign 34.092+/-0.007 χ^2/NDF: 3188220.7/26

All: 34.880+/-0.005 χ^2/NDF: 5458205.4/54

- sign 35.773+/-0.007 χ^2/NDF: 2238672.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/10

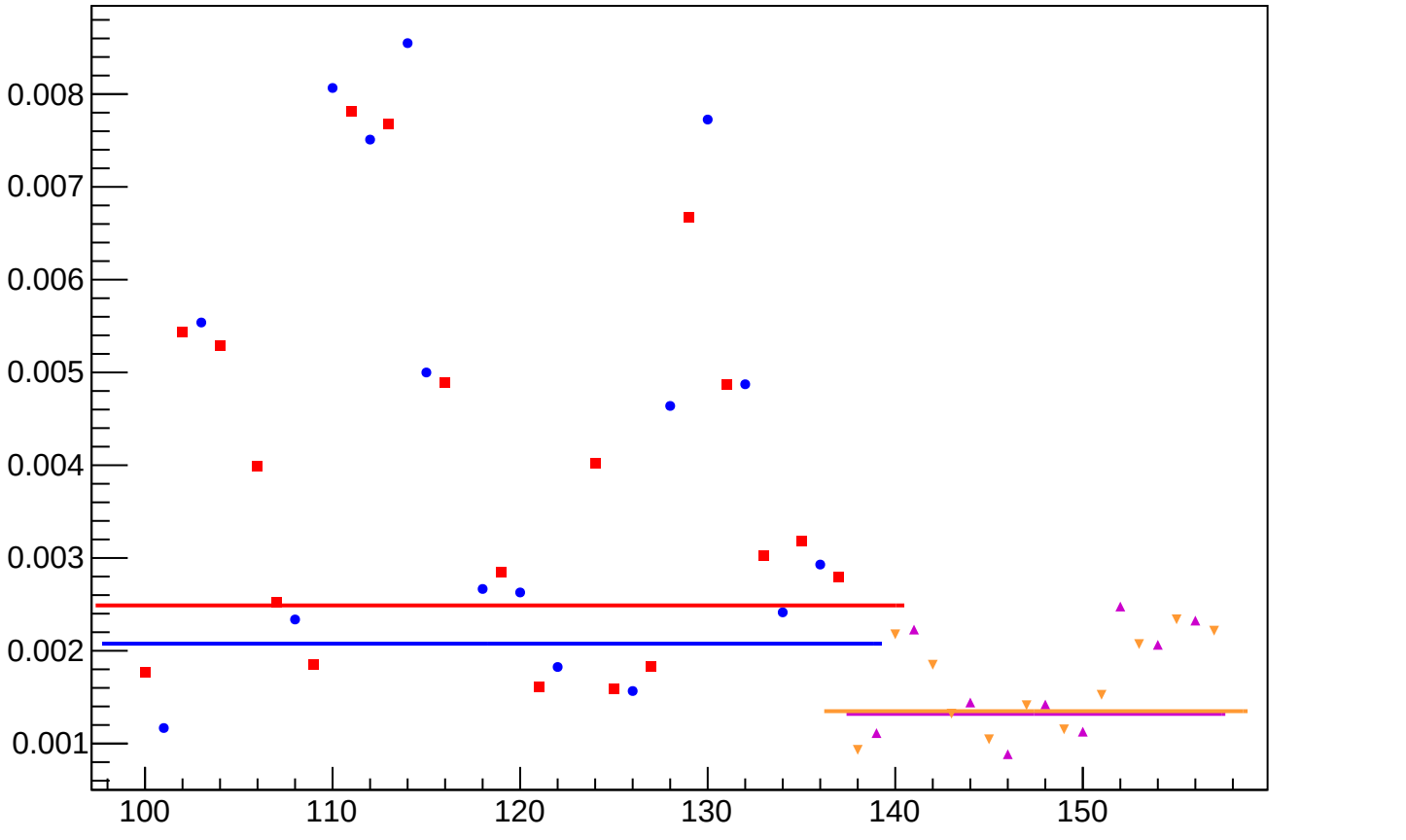
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/8

+ sign -0.000+/-0.000 χ^2/NDF: 57.8/26

All: 0.000+/-0.000 χ^2/NDF: 85.1/54

- sign 0.000+/-0.000 χ^2/NDF: 27.2/27



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1568981.4/10

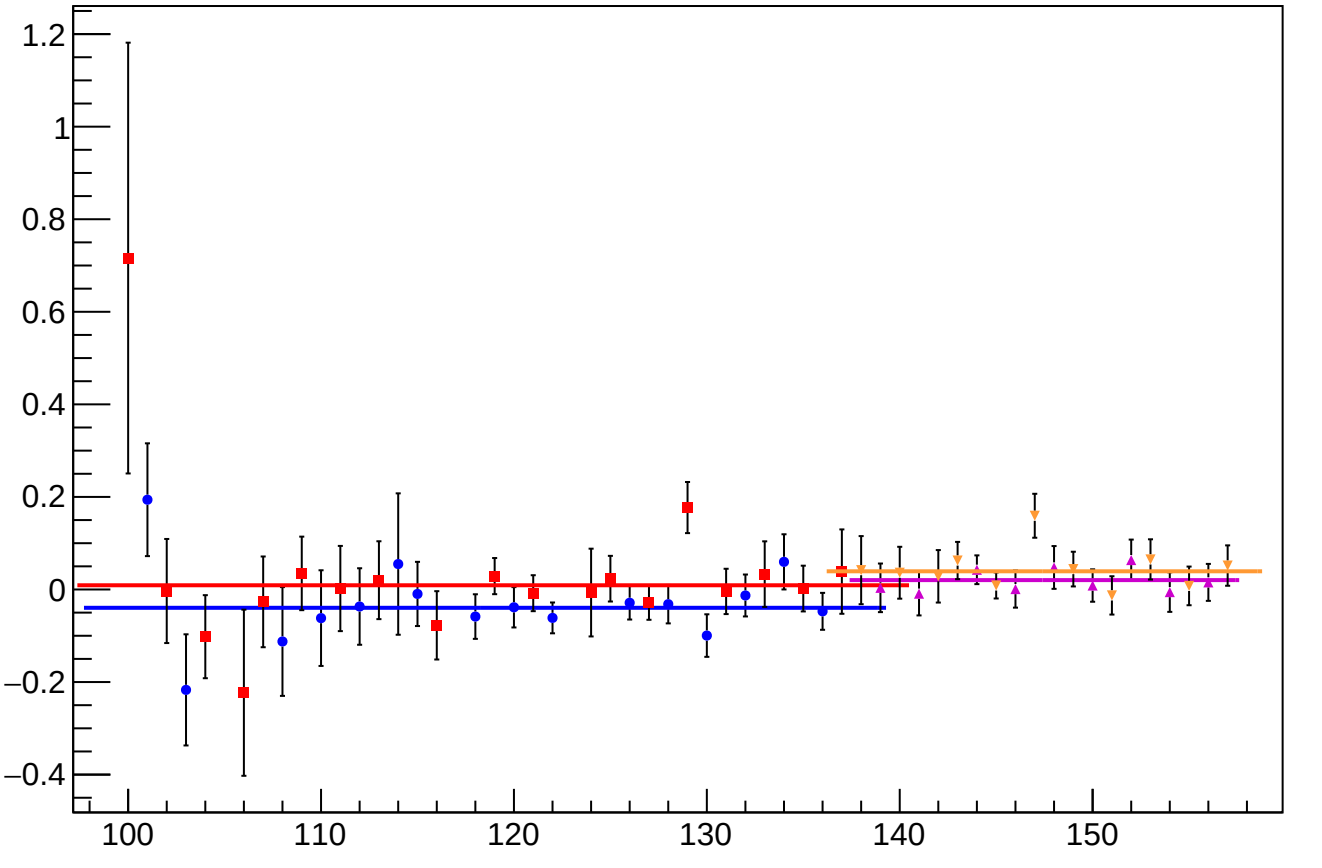
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1703947.0/8

+ sign 0.002+/-0.000 χ^2/NDF: 6480465.4/26

All: 0.002+/-0.000 χ^2/NDF: 13314547.9/54

- sign 0.002+/-0.000 χ^2/NDF: 6828137.5/27



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

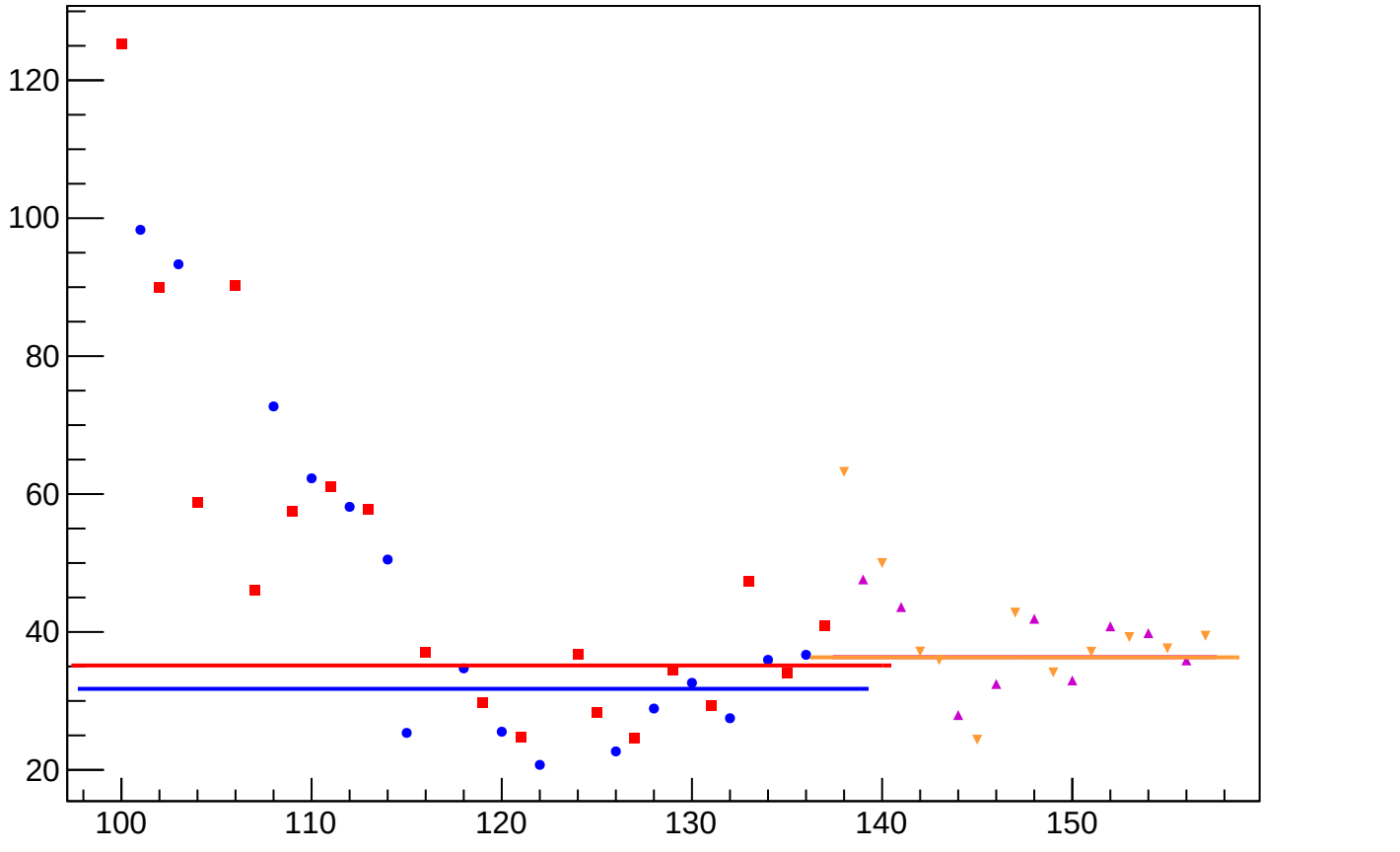
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.020+/-0.014 χ^2/NDF:3.0/8

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.007+/-0.007 χ^2/NDF: 64.1/54

- sign 0.015+/-0.010 χ^2/NDF: 21.7/27



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.319+/-0.009 χ^2/NDF:812749.2/10

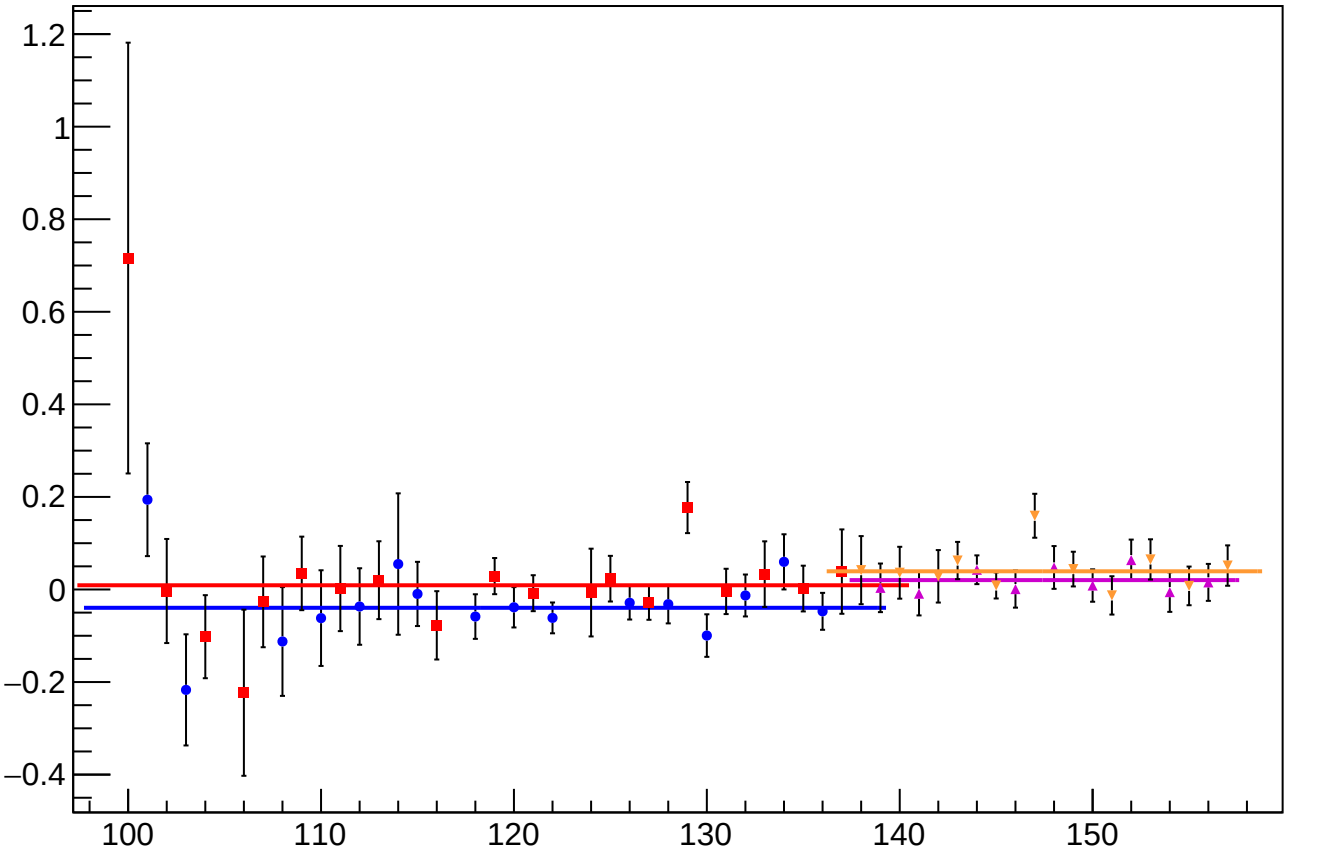
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.353+/-0.010 χ^2/NDF:386338.7/8

\+ sign 34.092+/-0.007 χ^2/NDF: 3188212.1/26

All: 34.880+/-0.005 χ^2/NDF: 5458091.3/54

\- sign 35.773+/-0.007 χ^2/NDF: 2238565.2/27



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.013 χ^2/NDF:10.5/10

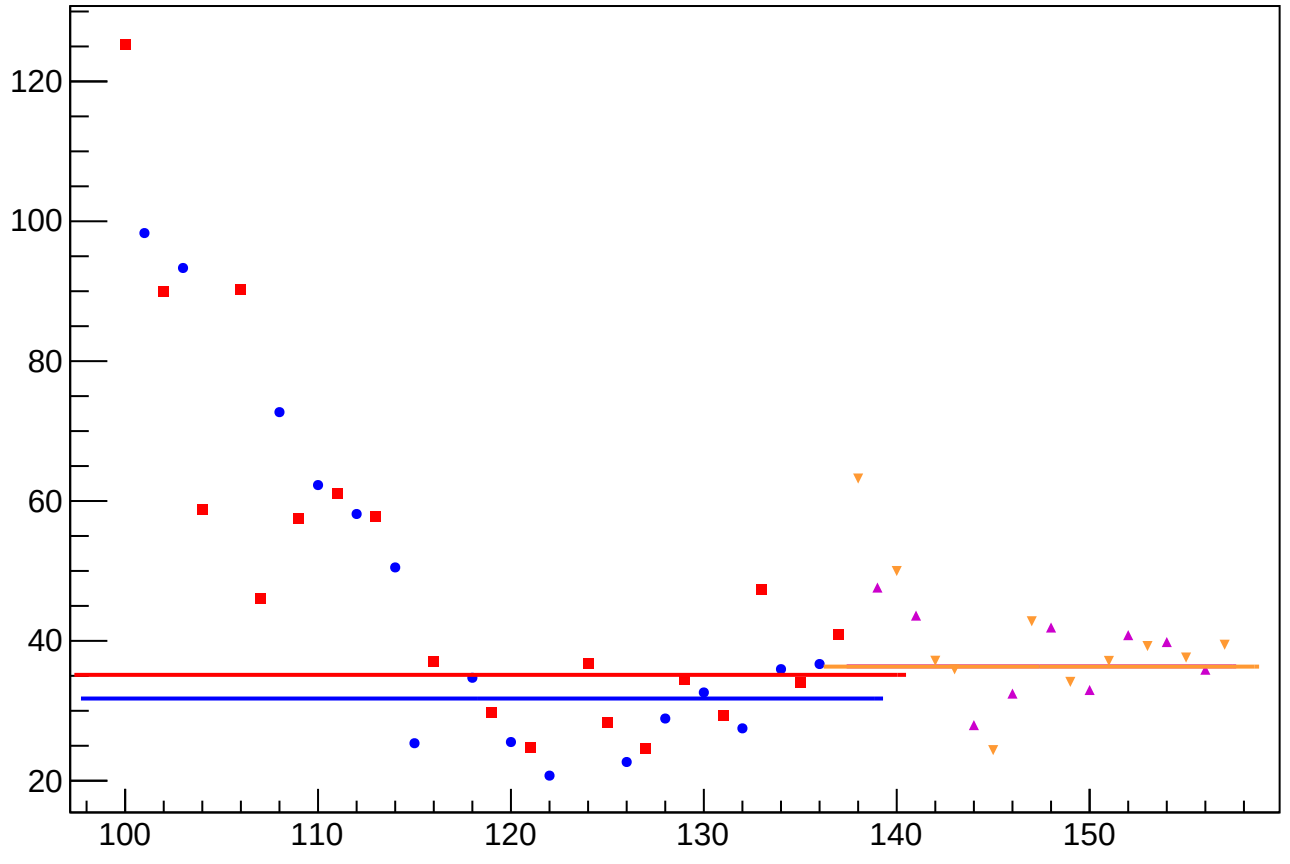
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.020+/-0.014 χ^2/NDF:3.0/8

+ sign 0.001+/-0.009 χ^2/NDF: 41.4/26

All: 0.007+/-0.007 χ^2/NDF: 64.1/54

- sign 0.015+/-0.010 χ^2/NDF: 21.7/27



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.319+/-0.009 χ^2/NDF:812749.2/10

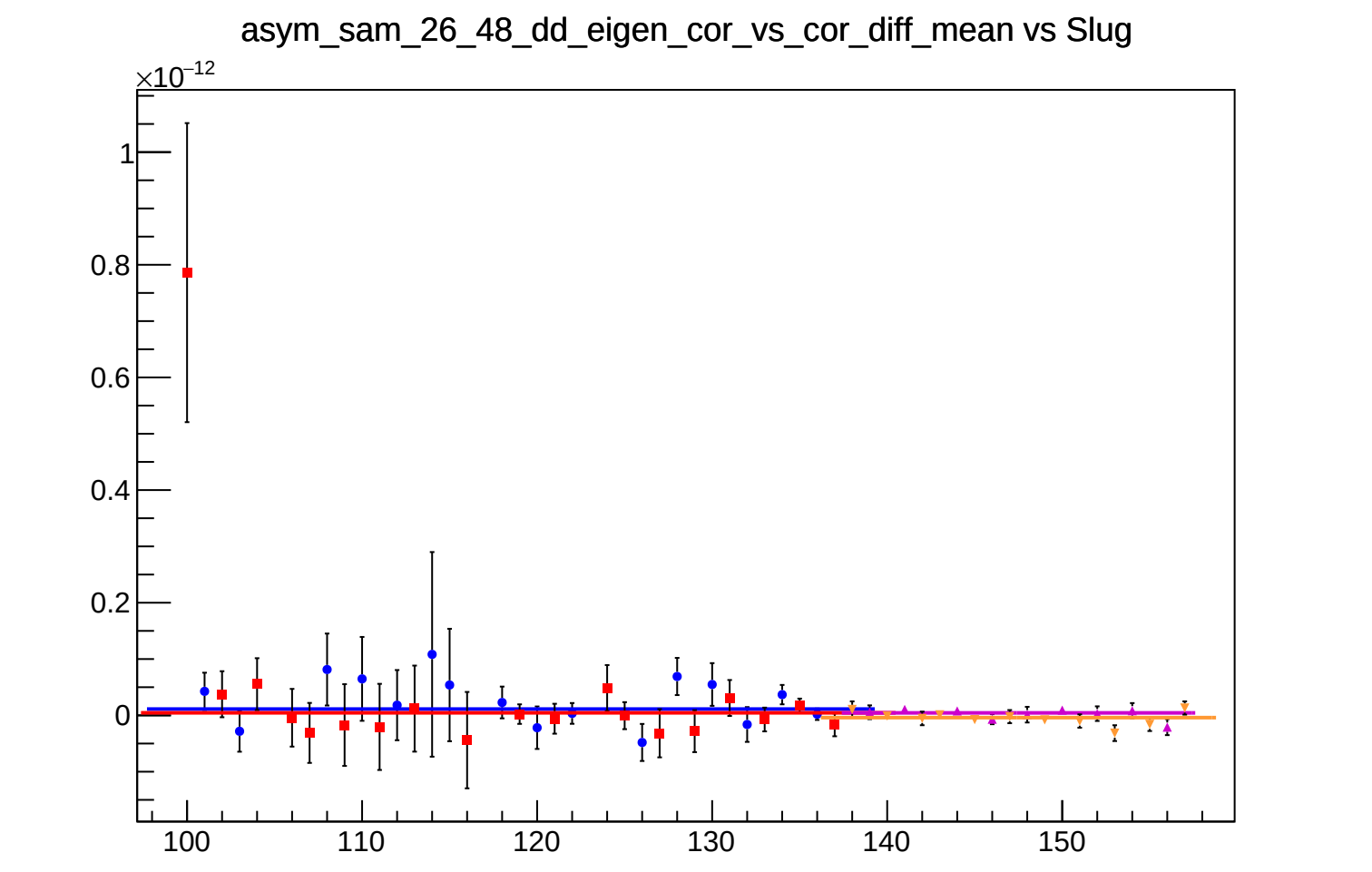
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.353+/-0.010 χ^2/NDF:386338.7/8

+ sign 34.092+/-0.007 χ^2/NDF: 3188212.1/26

All: 34.880+/-0.005 χ^2/NDF: 5458091.3/54

- sign 35.773+/-0.007 χ^2/NDF: 2238565.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/10

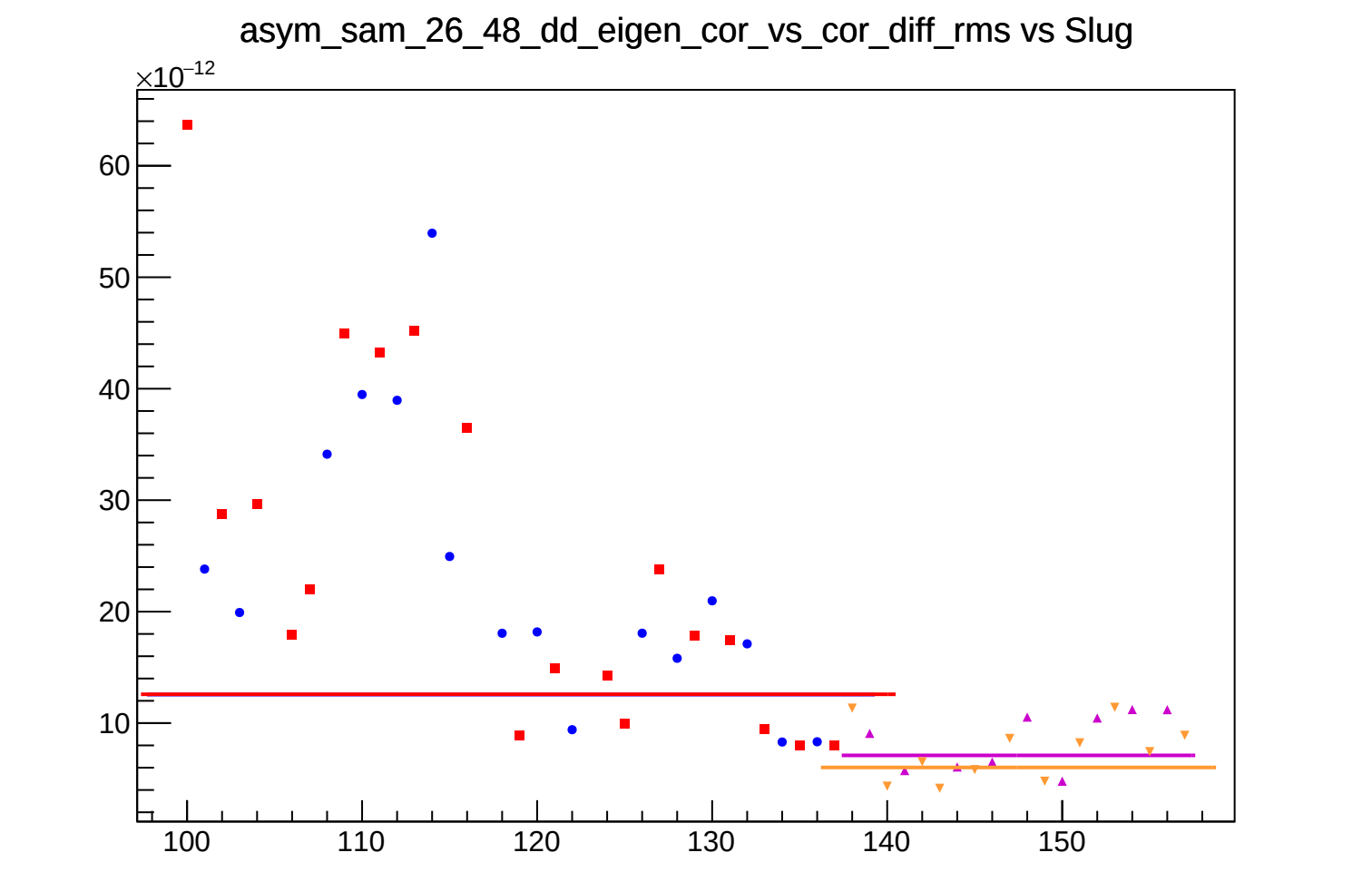
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/8

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/26

All: 0.000+/-0.000 χ^2/NDF: 57.5/54

- sign 0.000+/-0.000 χ^2/NDF: 23.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1286569.4/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

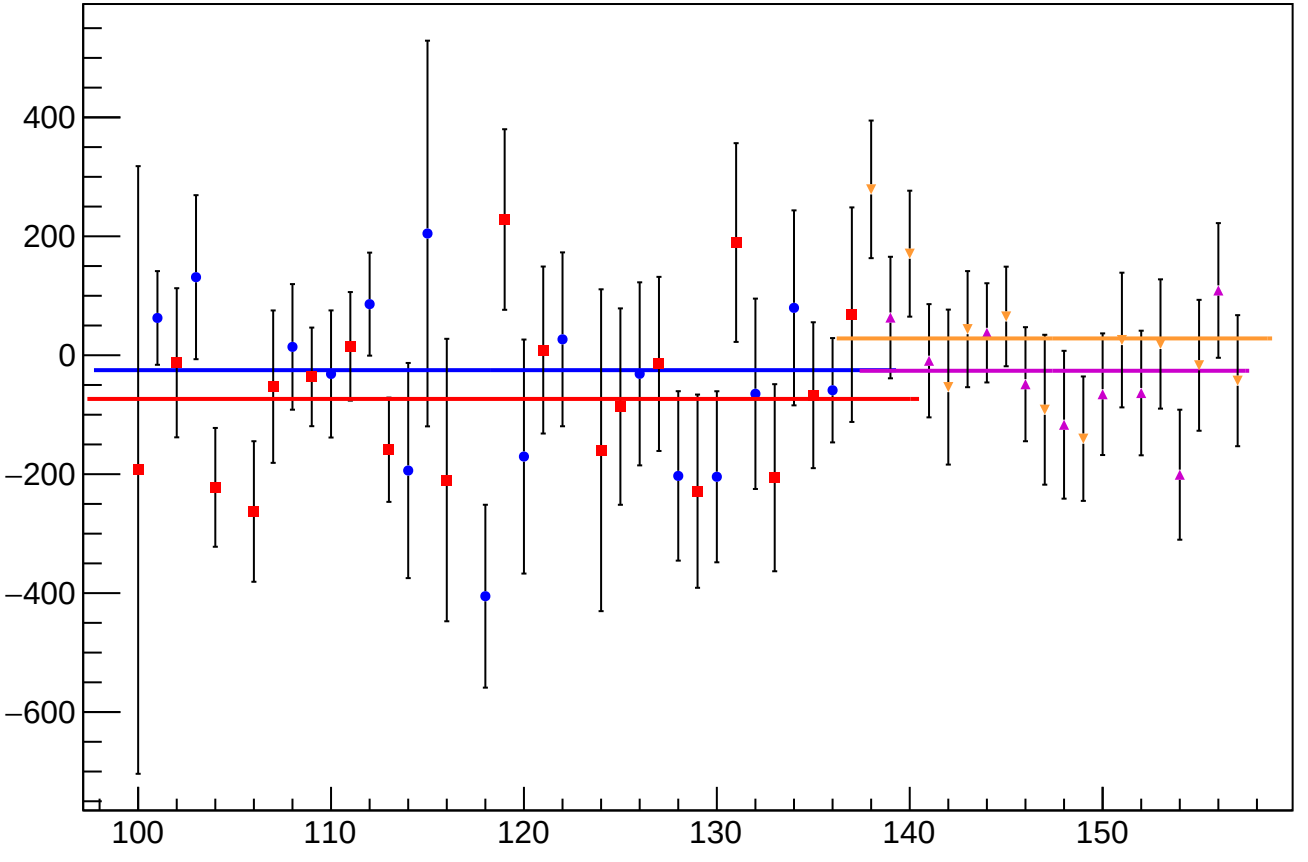
Left In: 0.000+/-0.000 χ^2/NDF:970442.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 5199704.6/26

All: 0.000+/-0.000 χ^2/NDF: 10194593.1/54

- sign 0.000+/-0.000 χ^2/NDF: 4816528.3/27

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.265+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

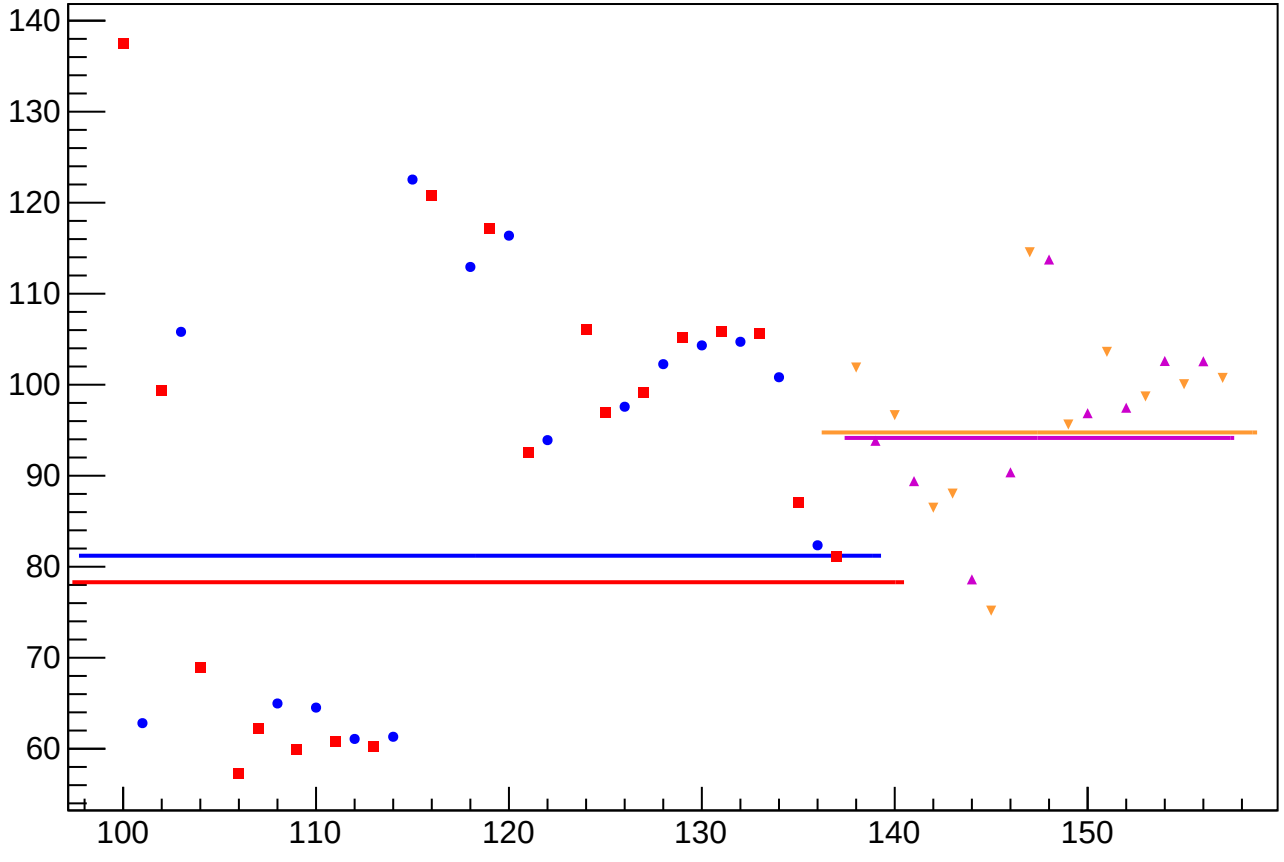
Left In: -26.110+/-33.871 χ^2/NDF:6.2/8

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -26.110+/-15.881 χ^2/NDF: 55.8/54

- sign -52.693+/-22.430 χ^2/NDF: 24.1/27

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

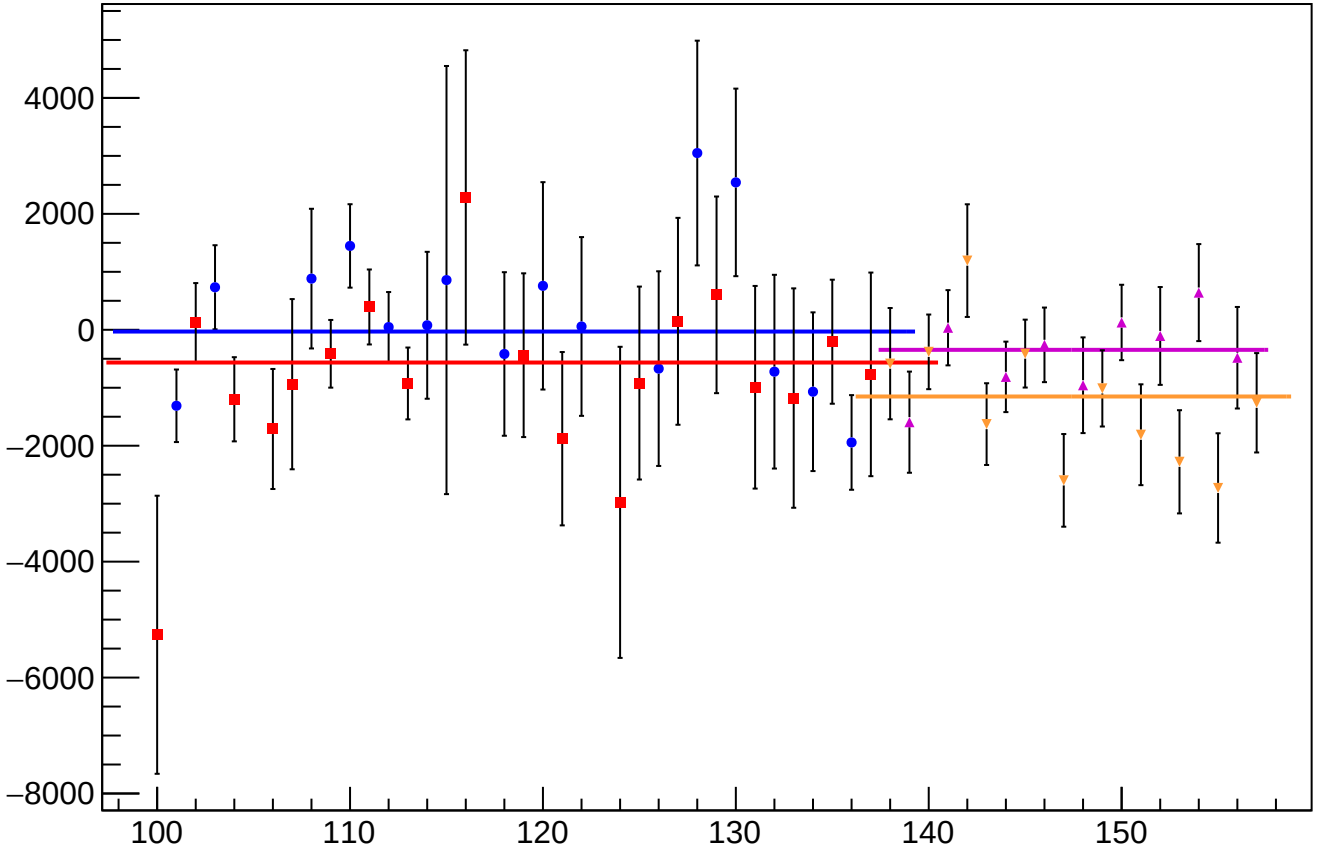
Left In: 94.152+/-0.024 χ^2/NDF:153756.0/8

+ sign 87.731+/-0.016 χ^2/NDF: 1178879.6/26

All: 86.488+/-0.011 χ^2/NDF: 2525526.4/54

- sign 85.251+/-0.016 χ^2/NDF: 1334445.5/27

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1150.940+/-232.960 χ^2/NDF:18.0/10

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

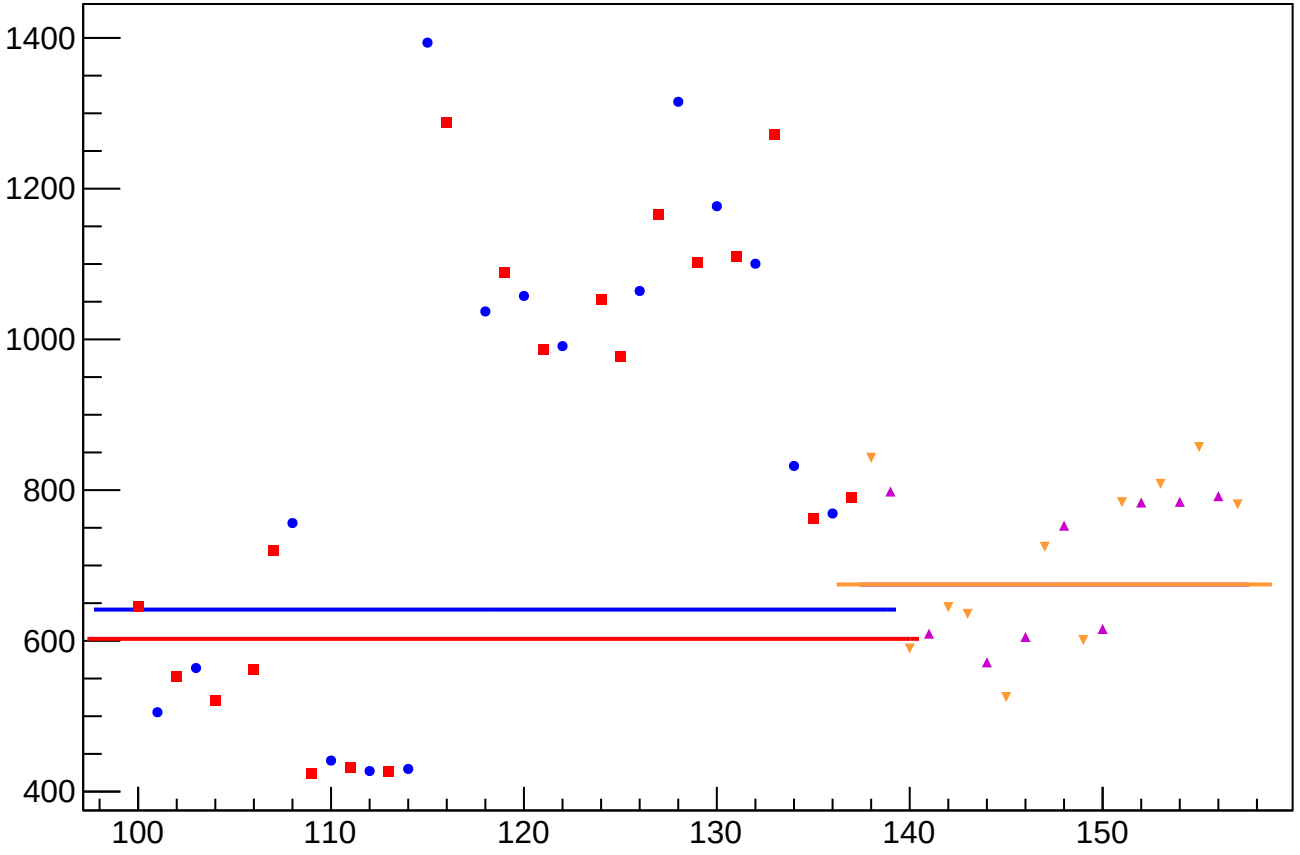
Left In: -345.962+/-244.168 χ^2/NDF:5.6/8

+ sign -645.520+/-172.602 χ^2/NDF: 50.3/26

All: -550.672+/-121.338 χ^2/NDF: 70.1/54

- sign -458.000+/-170.611 χ^2/NDF: 19.3/27

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 674.851+/-0.165 χ^2/NDF:449167.9/10

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

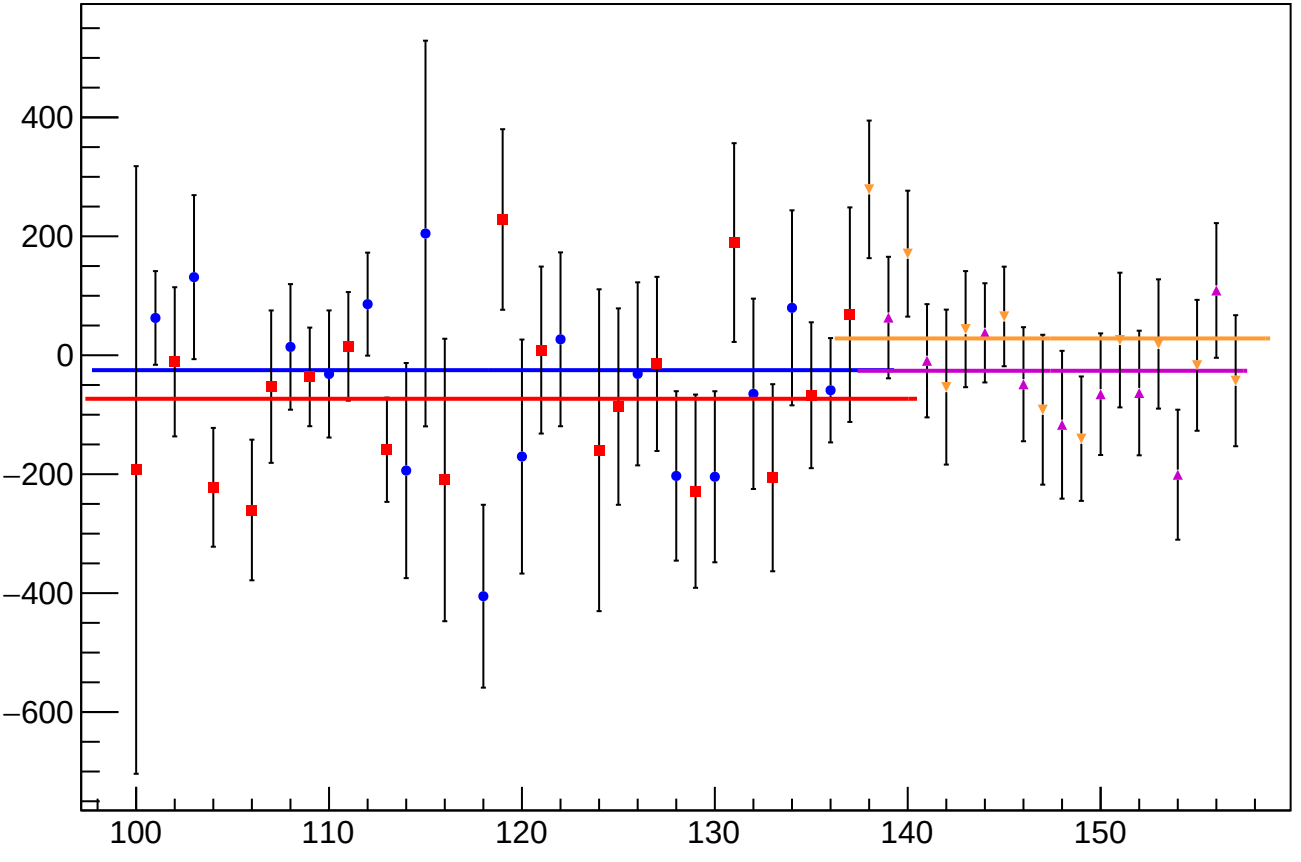
Left In: 674.599+/-0.173 χ^2/NDF:279071.1/8

+ sign 659.807+/-0.122 χ^2/NDF: 2342649.6/26

All: 648.666+/-0.086 χ^2/NDF: 4797367.6/54

- sign 637.781+/-0.121 χ^2/NDF: 2438243.1/27

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

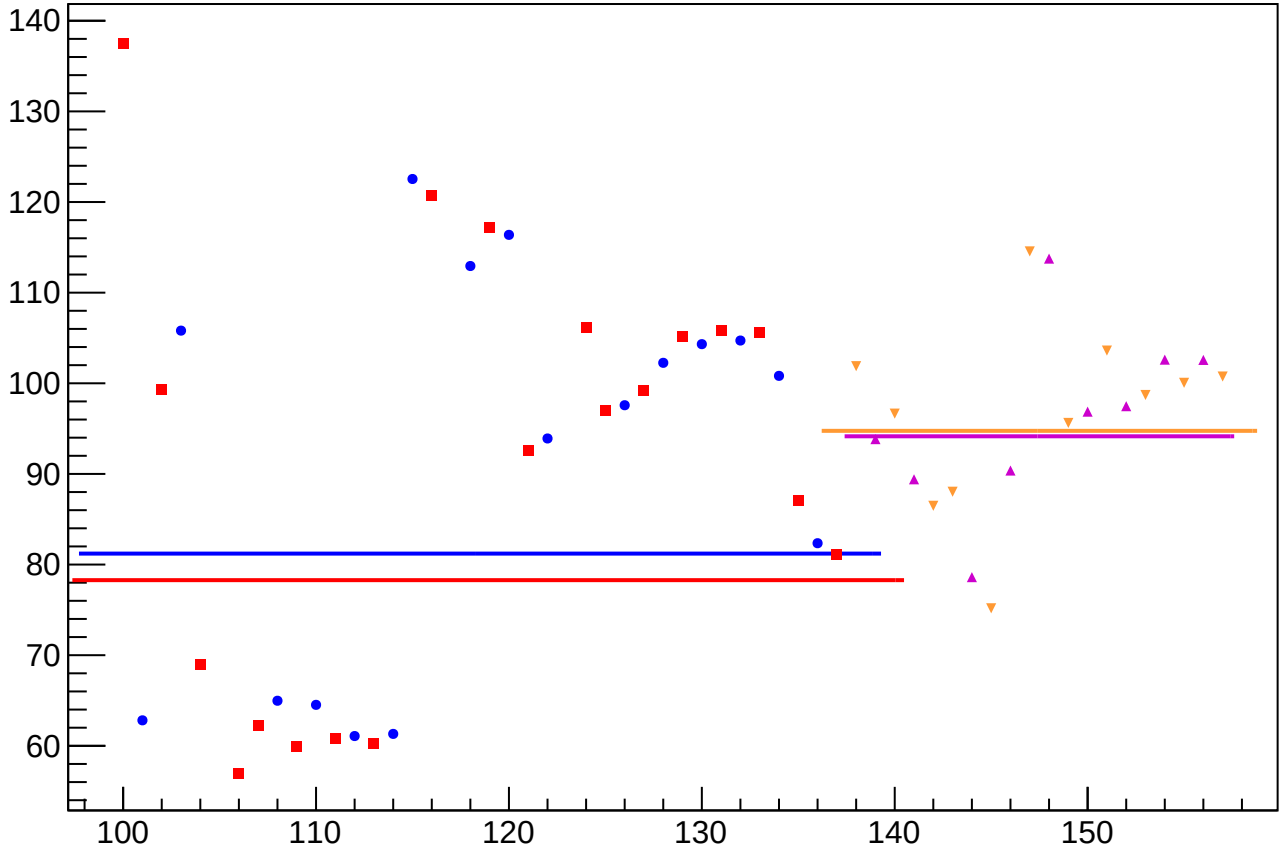
Left In: -26.110+/-33.871 χ^2/NDF:6.2/8

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -26.034+/-15.881 χ^2/NDF: 55.7/54

- sign -52.543+/-22.431 χ^2/NDF: 24.0/27

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

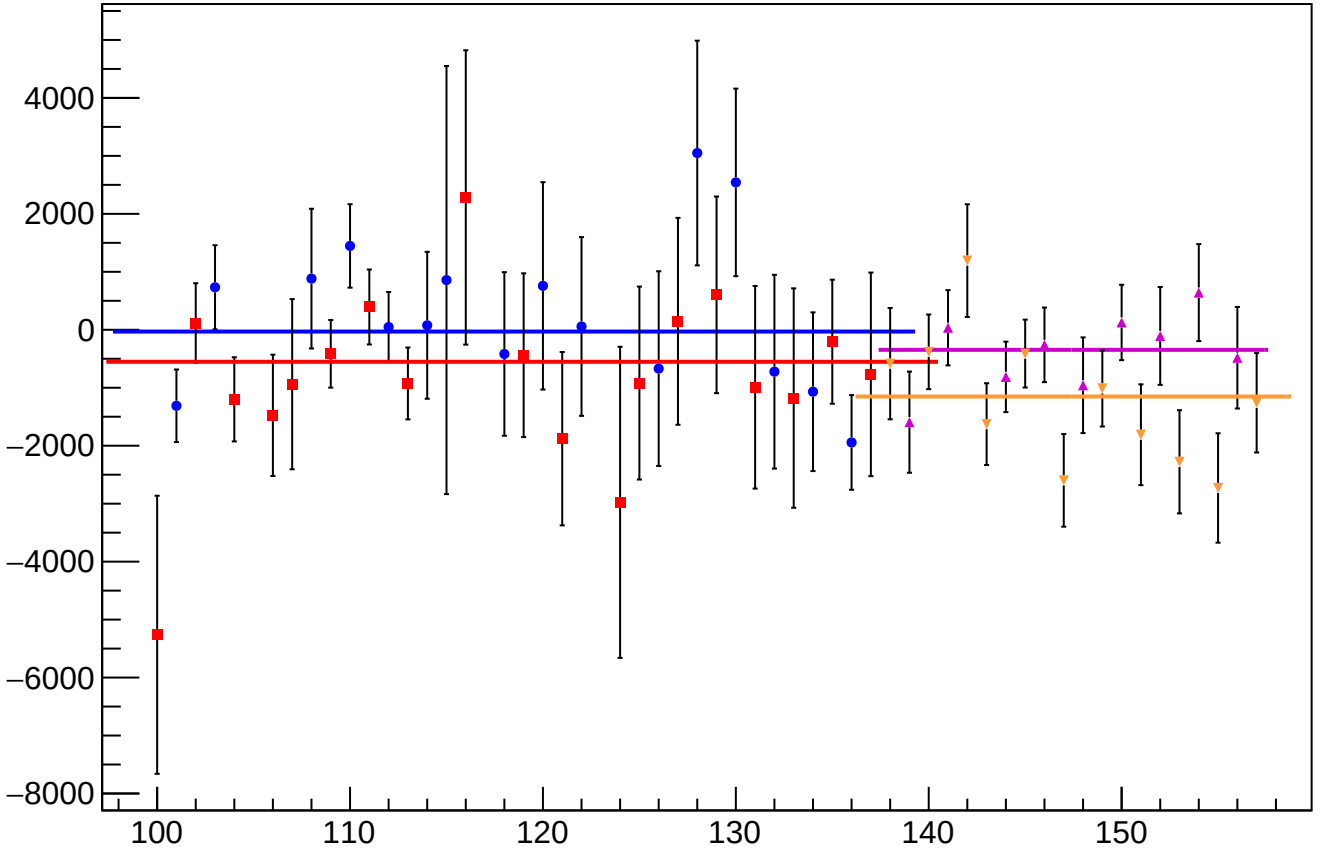
Left In: 94.152+/-0.024 χ^2/NDF:153756.0/8

+ sign 87.731+/-0.016 χ^2/NDF: 1178881.4/26

All: 86.483+/-0.011 χ^2/NDF: 2528330.5/54

- sign 85.241+/-0.016 χ^2/NDF: 1337149.6/27

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1150.937+/-232.960 χ^2/NDF:18.0/10

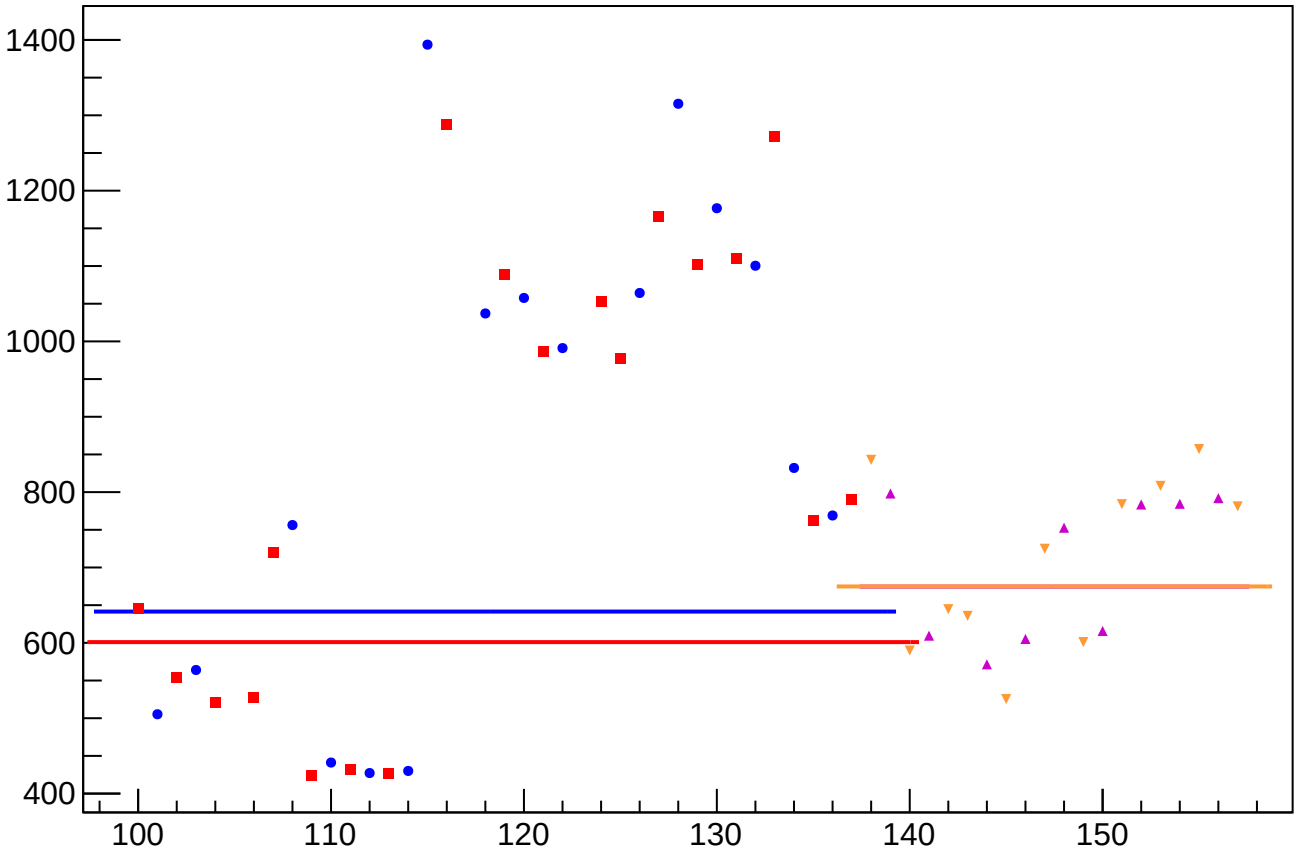
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -345.967+/-244.168 χ^2/NDF:5.6/8

+ sign -645.537+/-172.603 χ^2/NDF: 50.3/26

All: -547.330+/-121.358 χ^2/NDF: 69.7/54

- sign -451.316+/-170.665 χ^2/NDF: 18.7/27



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

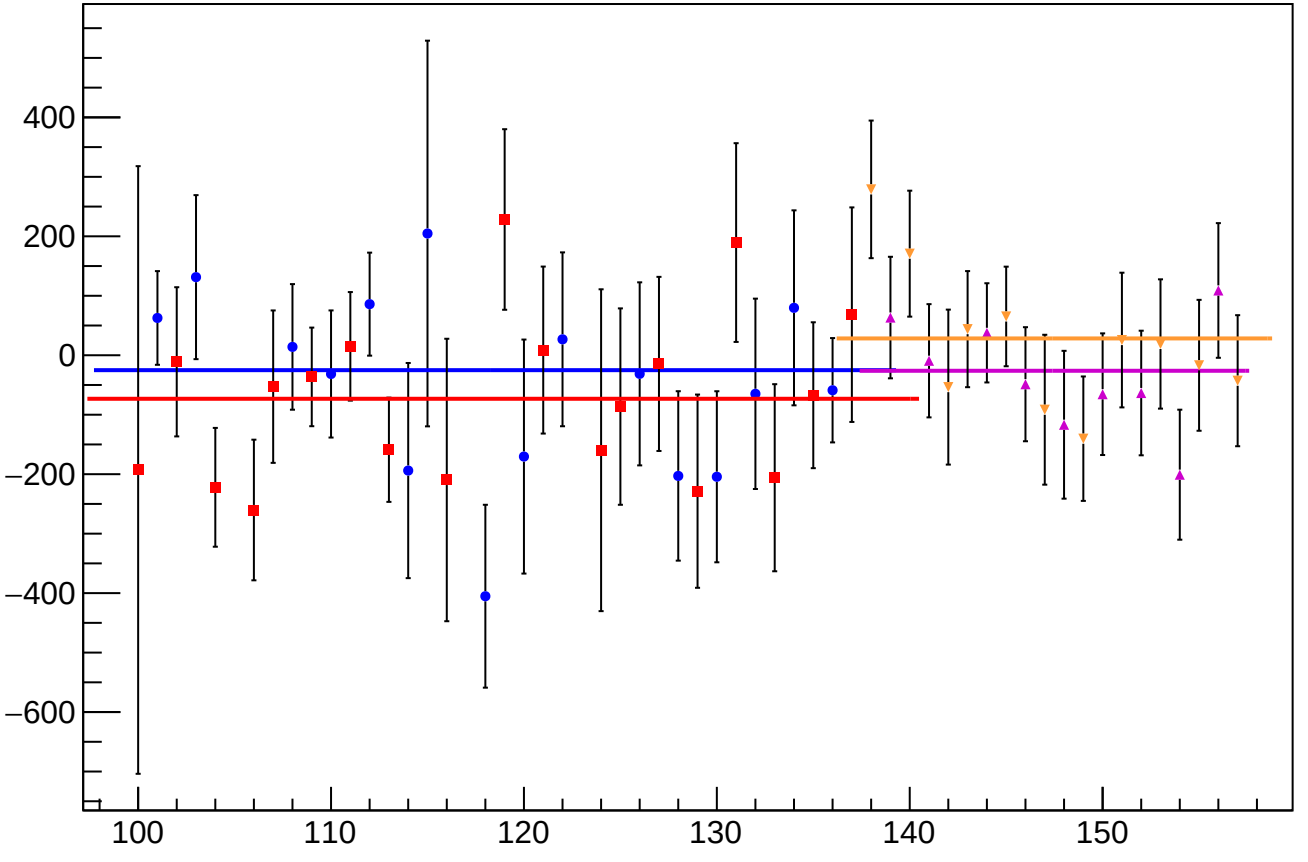
Left In: 674.600+/-0.173 χ^2/NDF:279068.9/8

+ sign 659.812+/-0.122 χ^2/NDF: 2342600.5/26

All: 648.249+/-0.086 χ^2/NDF: 4809654.2/54

- sign 636.945+/-0.121 χ^2/NDF: 2449303.7/27

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.268+/-32.407 χ^2/NDF:11.2/10

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

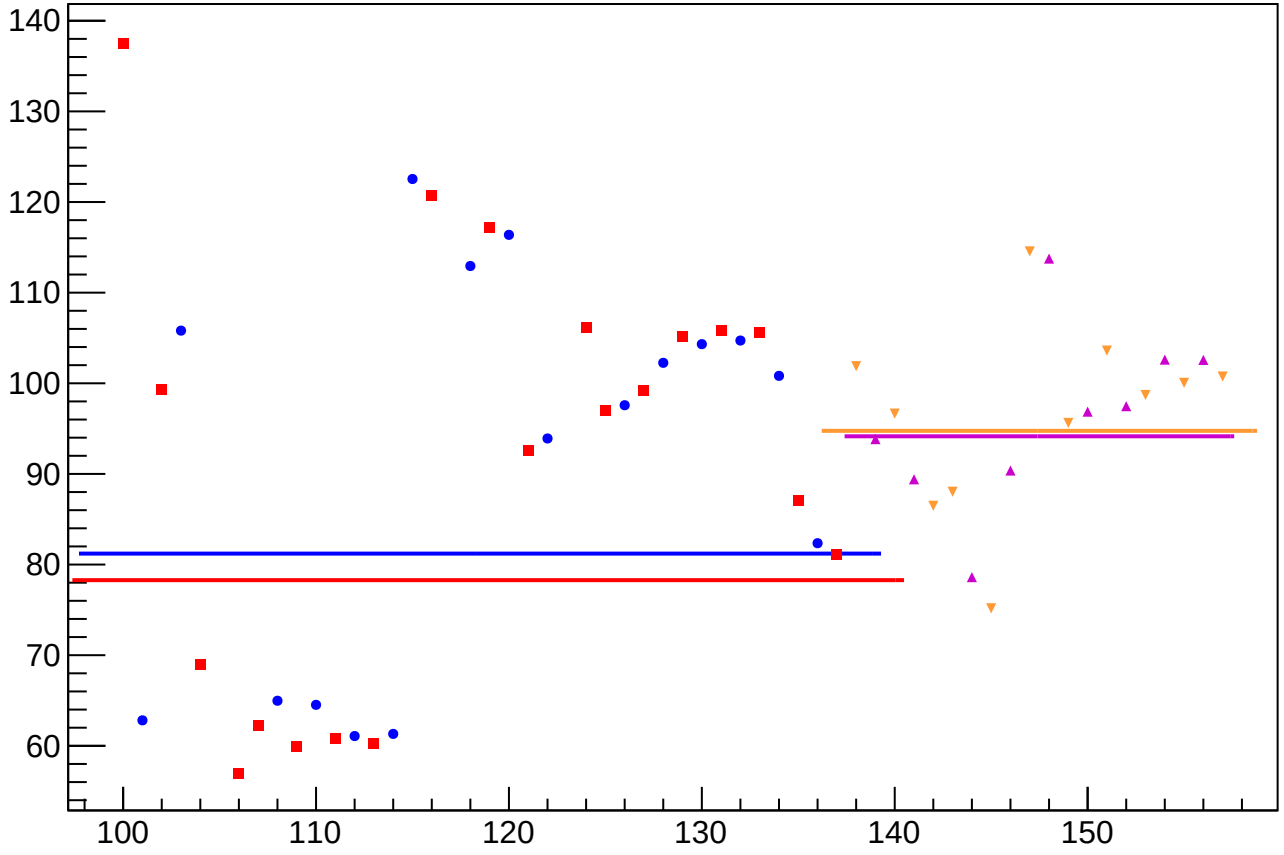
Left In: -26.110+/-33.871 χ^2/NDF:6.2/8

+ sign 0.610+/-22.488 χ^2/NDF: 28.8/26

All: -26.034+/-15.881 χ^2/NDF: 55.7/54

- sign -52.543+/-22.431 χ^2/NDF: 24.0/27

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.754+/-0.023 χ^2/NDF:210058.1/10

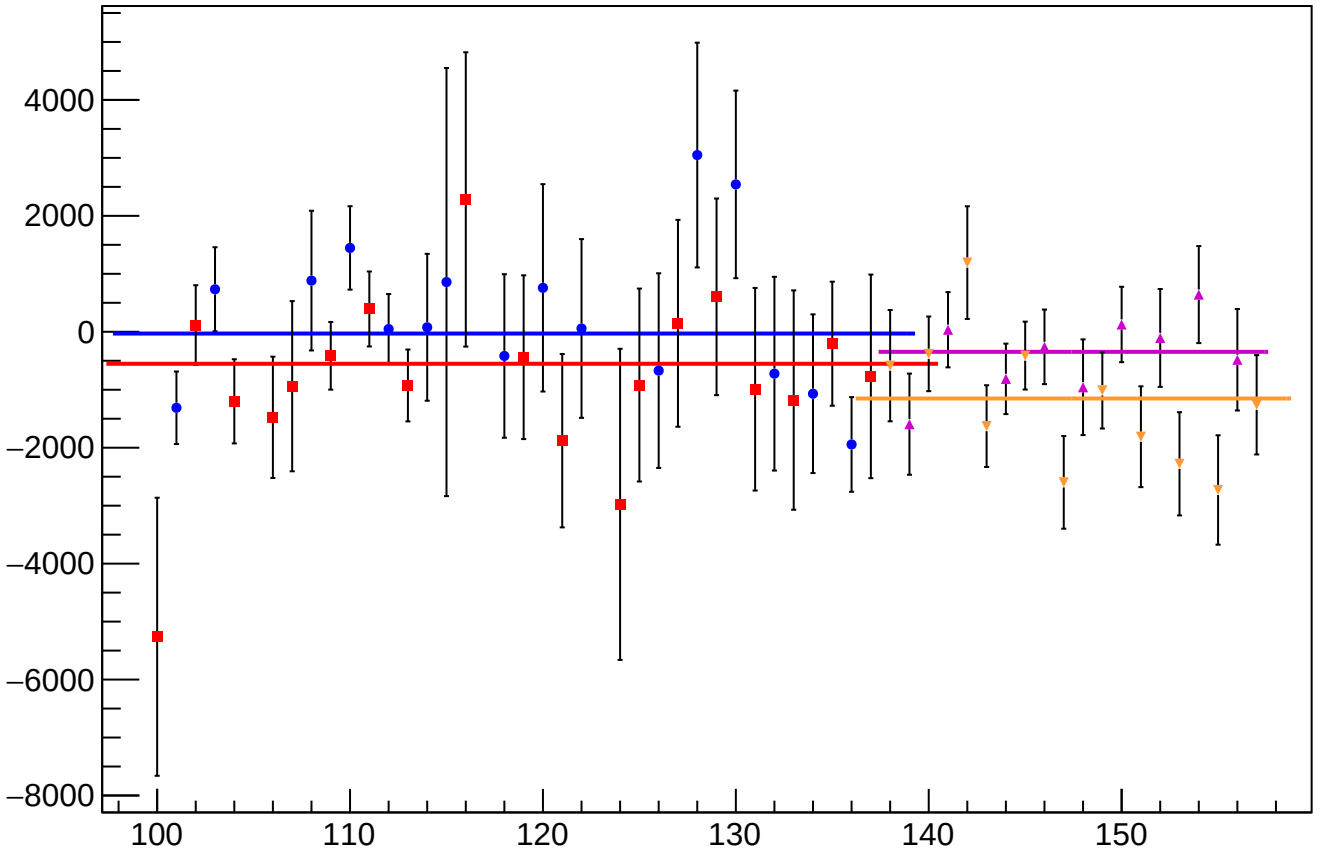
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 94.152+/-0.024 χ^2/NDF:153756.0/8

+ sign 87.731+/-0.016 χ^2/NDF: 1178881.4/26

All: 86.483+/-0.011 χ^2/NDF: 2528330.5/54

- sign 85.241+/-0.016 χ^2/NDF: 1337149.6/27



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1150.937+/-232.960 χ^2/NDF:18.0/10

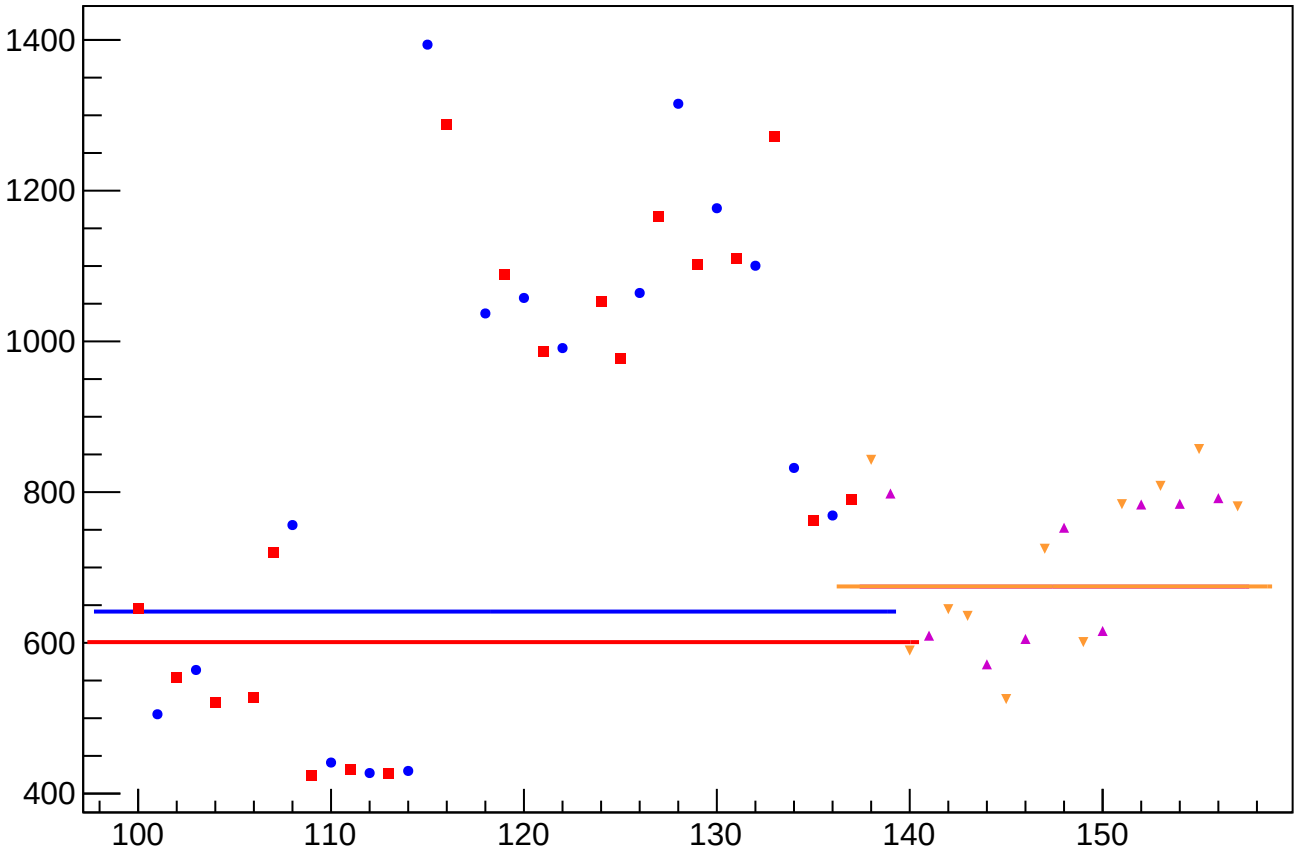
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -345.967+/-244.168 χ^2/NDF:5.6/8

+ sign -645.537+/-172.603 χ^2/NDF: 50.3/26

All: -547.330+/-121.358 χ^2/NDF: 69.7/54

- sign -451.316+/-170.665 χ^2/NDF: 18.7/27



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 674.851+/-0.165 χ^2/NDF:449169.7/10

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

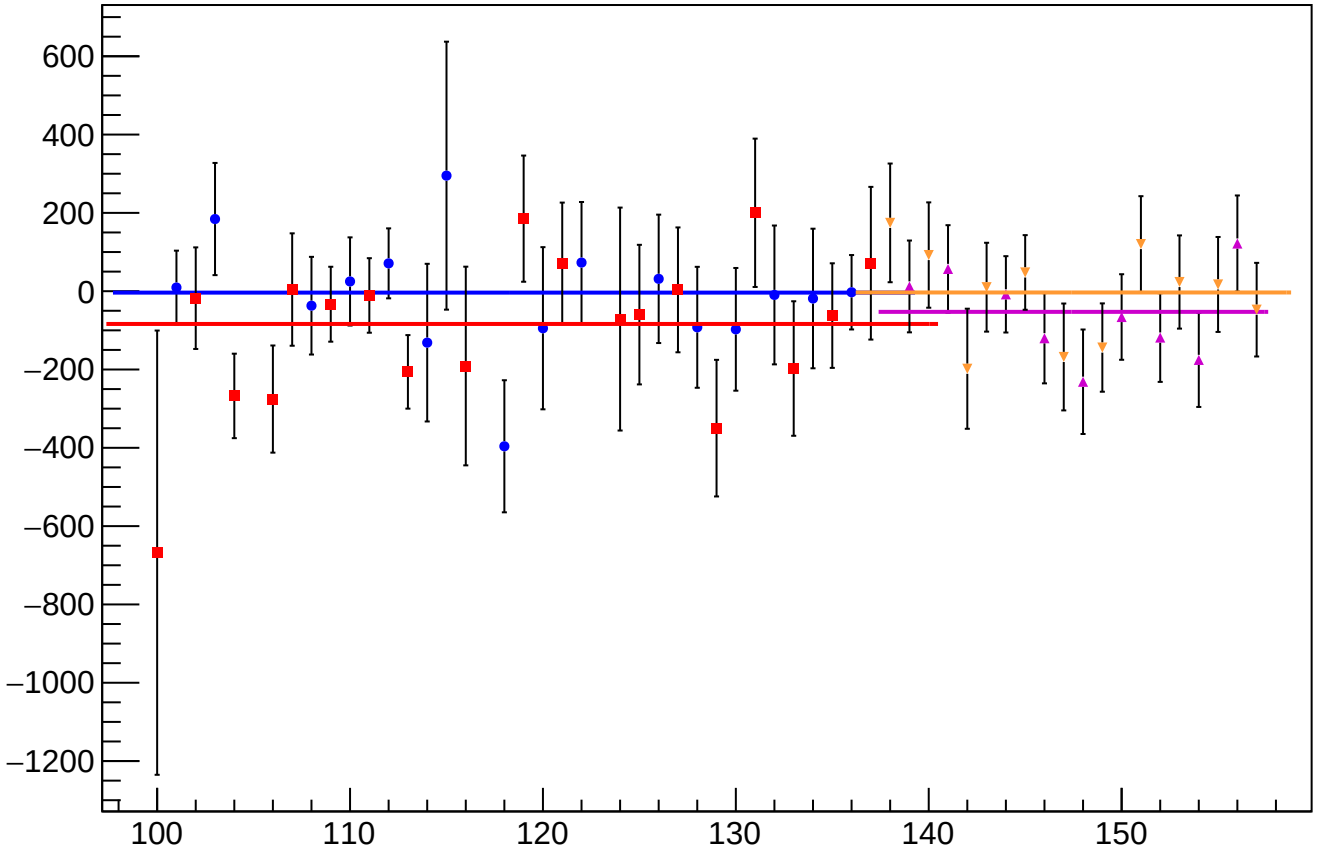
Left In: 674.600+/-0.173 χ^2/NDF:279068.9/8

+ sign 659.812+/-0.122 χ^2/NDF: 2342600.5/26

All: 648.249+/-0.086 χ^2/NDF: 4809654.2/54

- sign 636.945+/-0.121 χ^2/NDF: 2449303.7/27

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

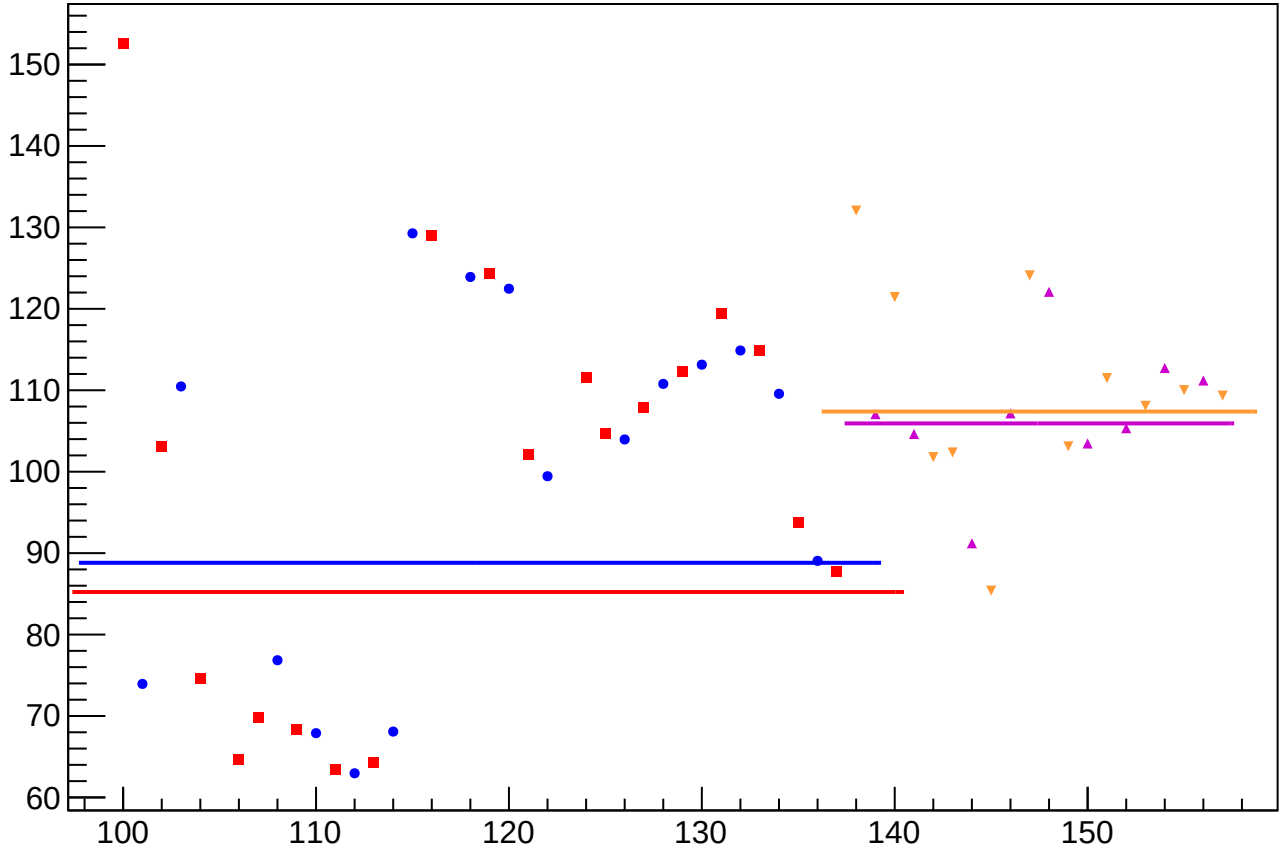
Left In: -52.779+/-38.155 χ^2/NDF:7.0/8

\+ sign -3.470+/-25.046 χ^2/NDF: 18.4/26

All: -37.378+/-17.622 χ^2/NDF: 48.5/54

\- sign -70.624+/-24.799 χ^2/NDF: 26.5/27

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.388+/-0.026 χ^2/NDF:224651.6/10

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

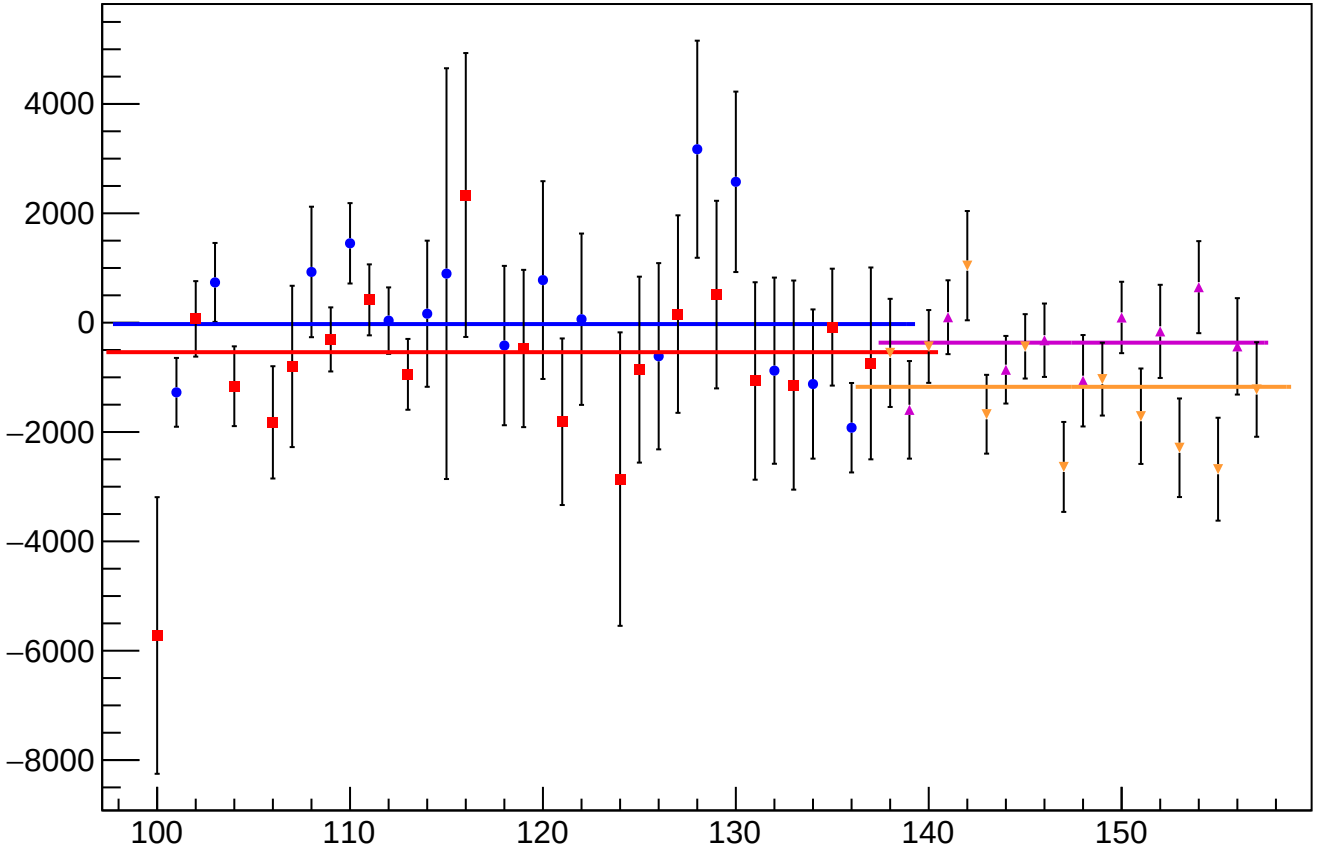
Left In: 105.929+/-0.027 χ^2/NDF:86789.4/8

+ sign 97.399+/-0.018 χ^2/NDF: 1222712.3/26

All: 95.668+/-0.012 χ^2/NDF: 2552595.7/54

- sign 93.971+/-0.018 χ^2/NDF: 1310970.6/27

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.508+/-236.845 χ^2/NDF:16.3/10

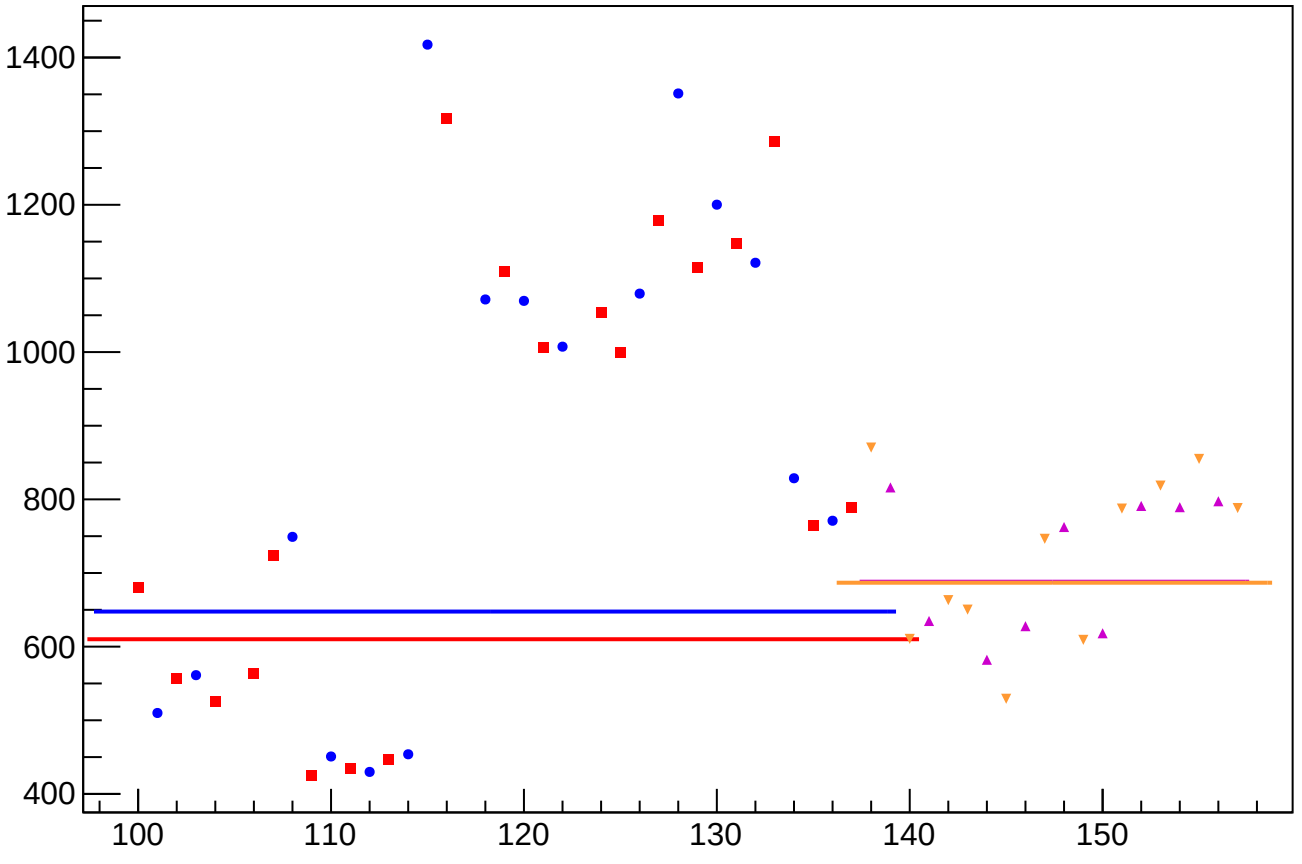
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -366.016+/-248.974 χ^2/NDF:5.7/8

+ sign -651.701+/-174.906 χ^2/NDF: 48.5/26

All: -552.700+/-123.088 χ^2/NDF: 68.8/54

- sign -455.564+/-173.251 χ^2/NDF: 19.6/27



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 686.807+/-0.167 χ^2/NDF:443042.0/10

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

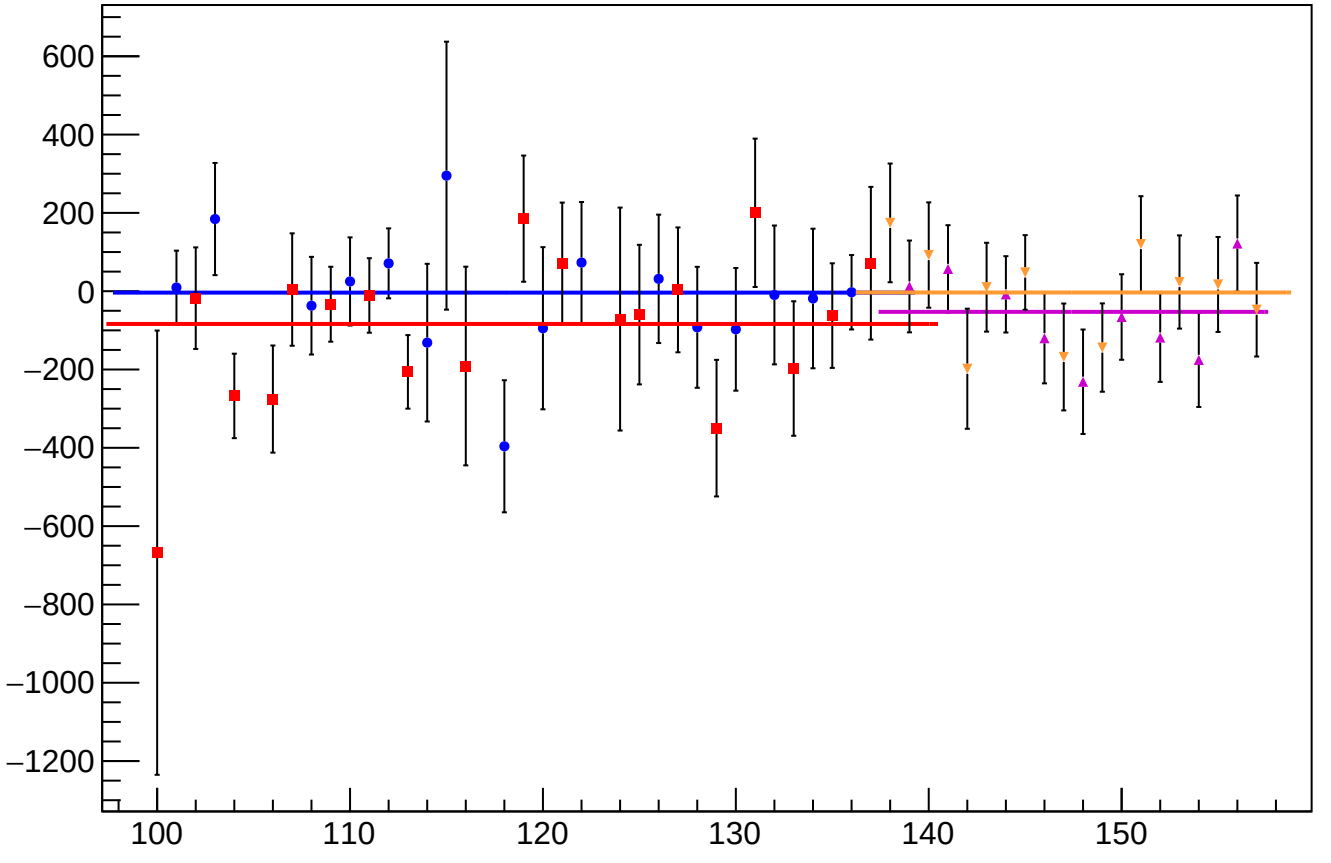
Left In: 688.171+/-0.176 χ^2/NDF:256146.9/8

+ sign 669.001+/-0.124 χ^2/NDF: 2355723.7/26

All: 658.342+/-0.087 χ^2/NDF: 4802366.3/54

- sign 647.884+/-0.123 χ^2/NDF: 2431927.8/27

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.277+/-36.840 χ^2/NDF:8.0/10

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

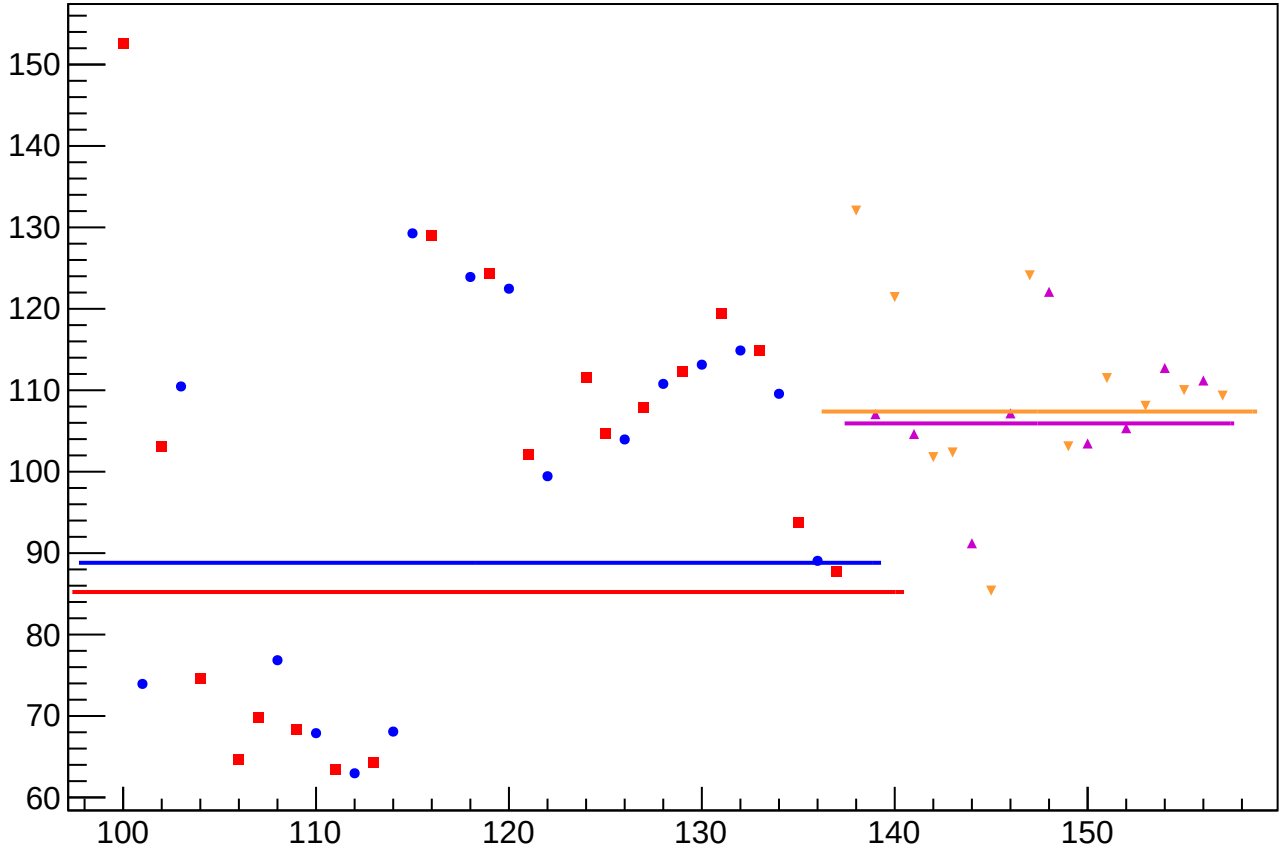
Left In: -52.780+/-38.155 χ^2/NDF:7.0/8

\+ sign -3.468+/-25.046 χ^2/NDF: 18.4/26

All: -37.378+/-17.622 χ^2/NDF: 48.5/54

\- sign -70.624+/-24.799 χ^2/NDF: 26.5/27

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.389+/-0.026 χ^2/NDF:224650.0/10

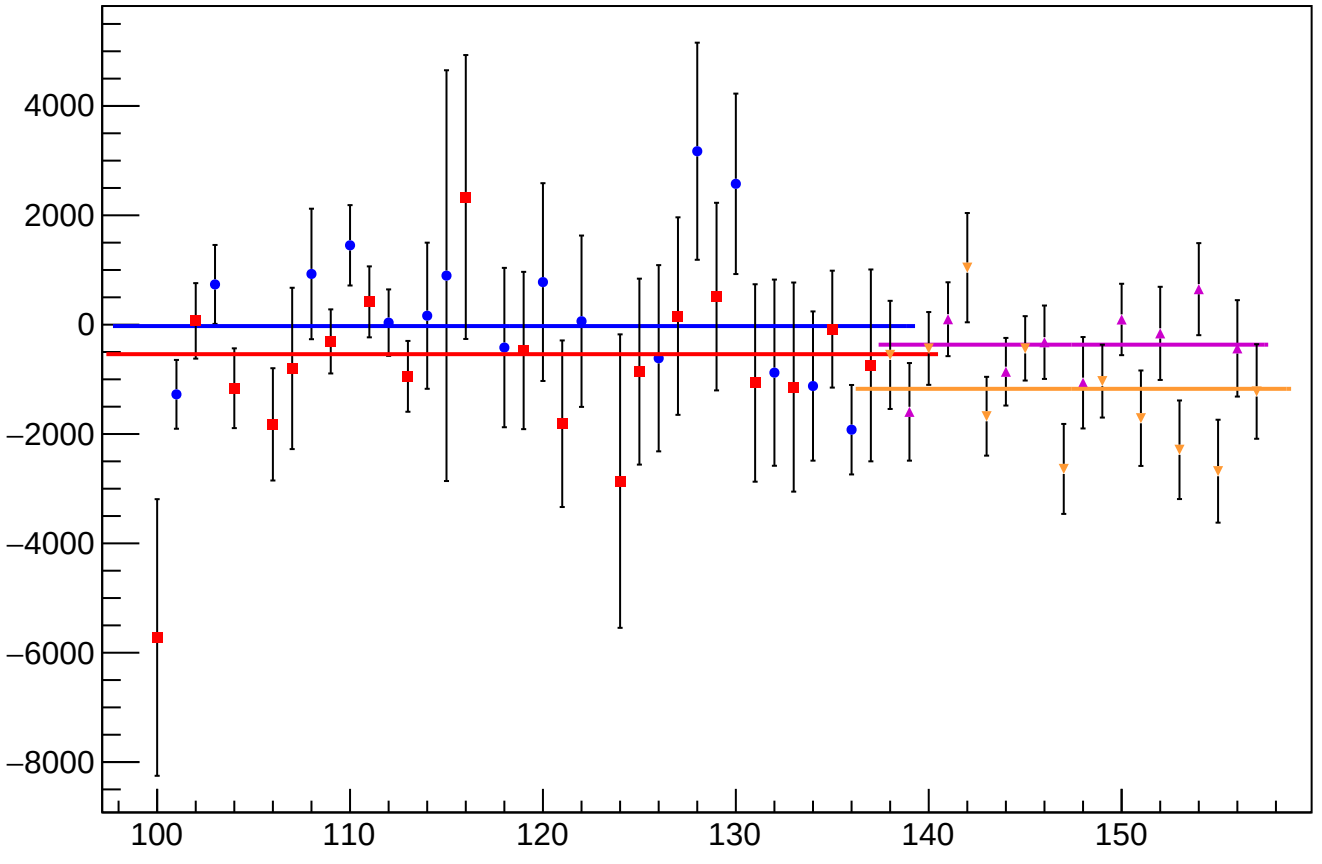
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.929+/-0.027 χ^2/NDF:86789.0/8

\+ sign 97.399+/-0.018 χ^2/NDF: 1222717.6/26

All: 95.668+/-0.012 χ^2/NDF: 2552611.7/54

\- sign 93.971+/-0.018 χ^2/NDF: 1310981.2/27



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1173.507+/-236.845 χ^2/NDF:16.3/10

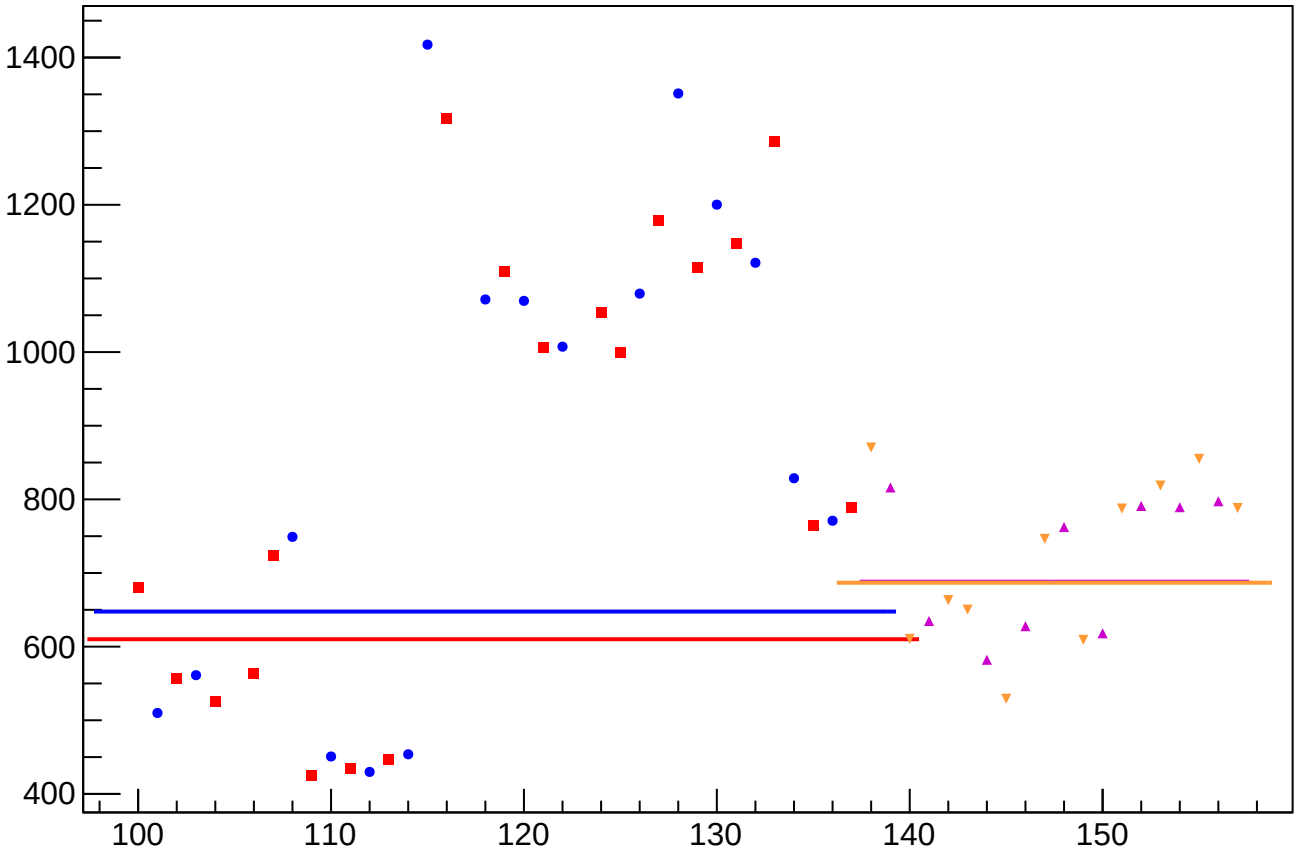
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -366.016+/-248.974 χ^2/NDF:5.7/8

+ sign -651.700+/-174.906 χ^2/NDF: 48.5/26

All: -552.700+/-123.088 χ^2/NDF: 68.8/54

- sign -455.564+/-173.251 χ^2/NDF: 19.6/27



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 686.807+/-0.167 χ^2/NDF:443043.3/10

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

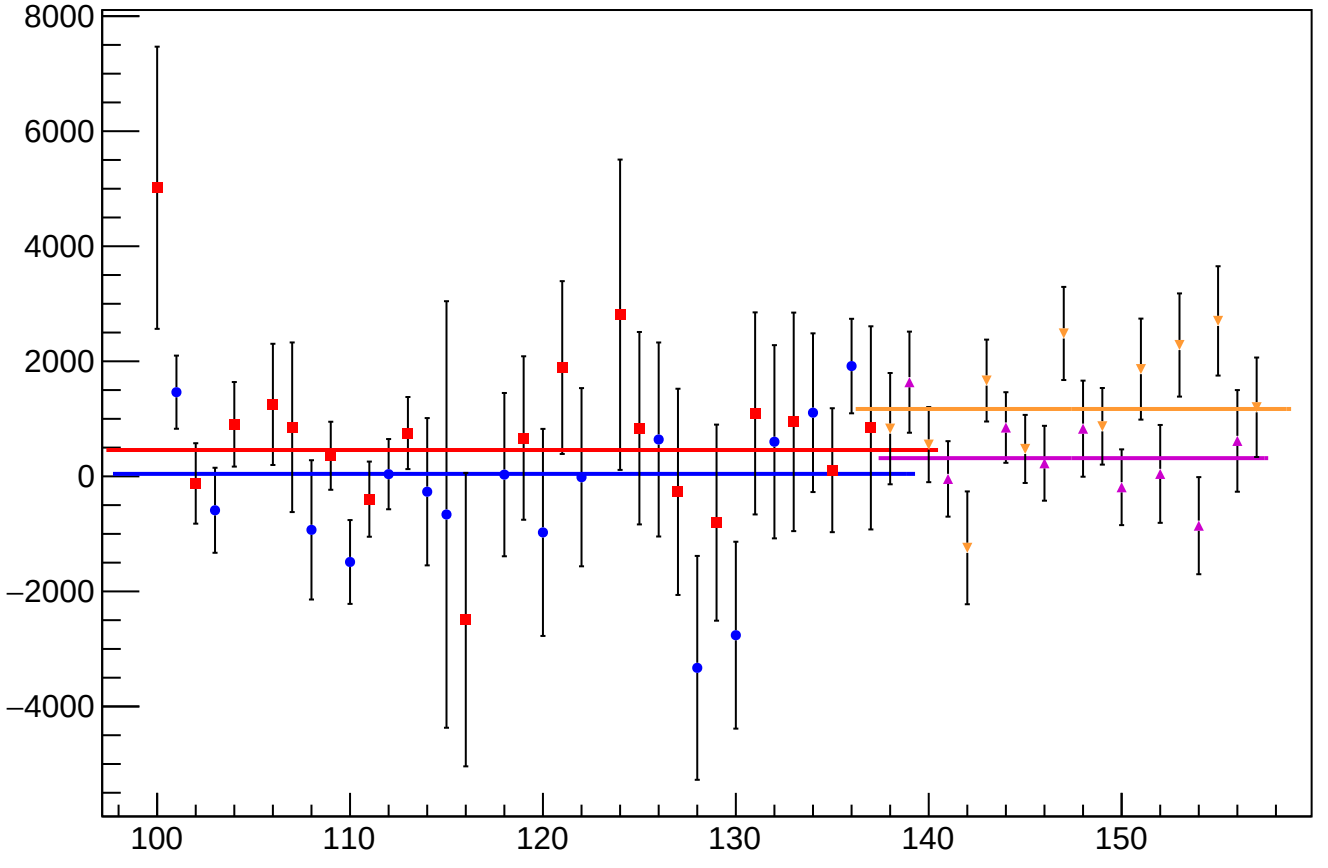
Left In: 688.171+/-0.176 χ^2/NDF:256145.4/8

+ sign 669.000+/-0.124 χ^2/NDF: 2355730.3/26

All: 658.341+/-0.087 χ^2/NDF: 4802375.9/54

- sign 647.883+/-0.123 χ^2/NDF: 2431931.0/27

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1171.442+/-235.361 χ^2/NDF:16.5/10

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

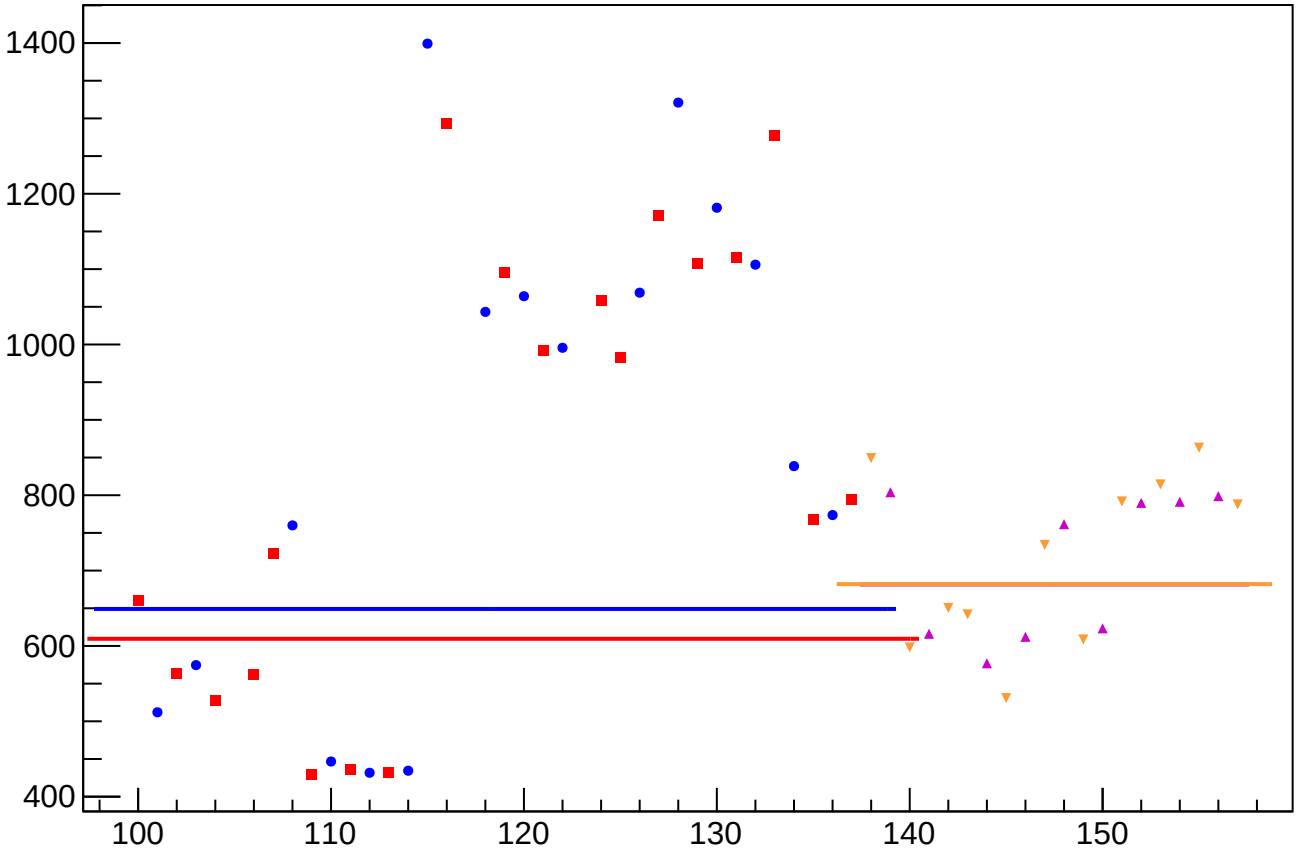
Left In: 316.730+/-246.629 χ^2/NDF:6.5/8

+ sign 662.842+/-174.426 χ^2/NDF: 50.1/26

All: 524.340+/-122.619 χ^2/NDF: 69.2/54

- sign 389.018+/-172.411 χ^2/NDF: 17.9/27

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 682.020+/-0.166 χ^2/NDF:441816.5/10

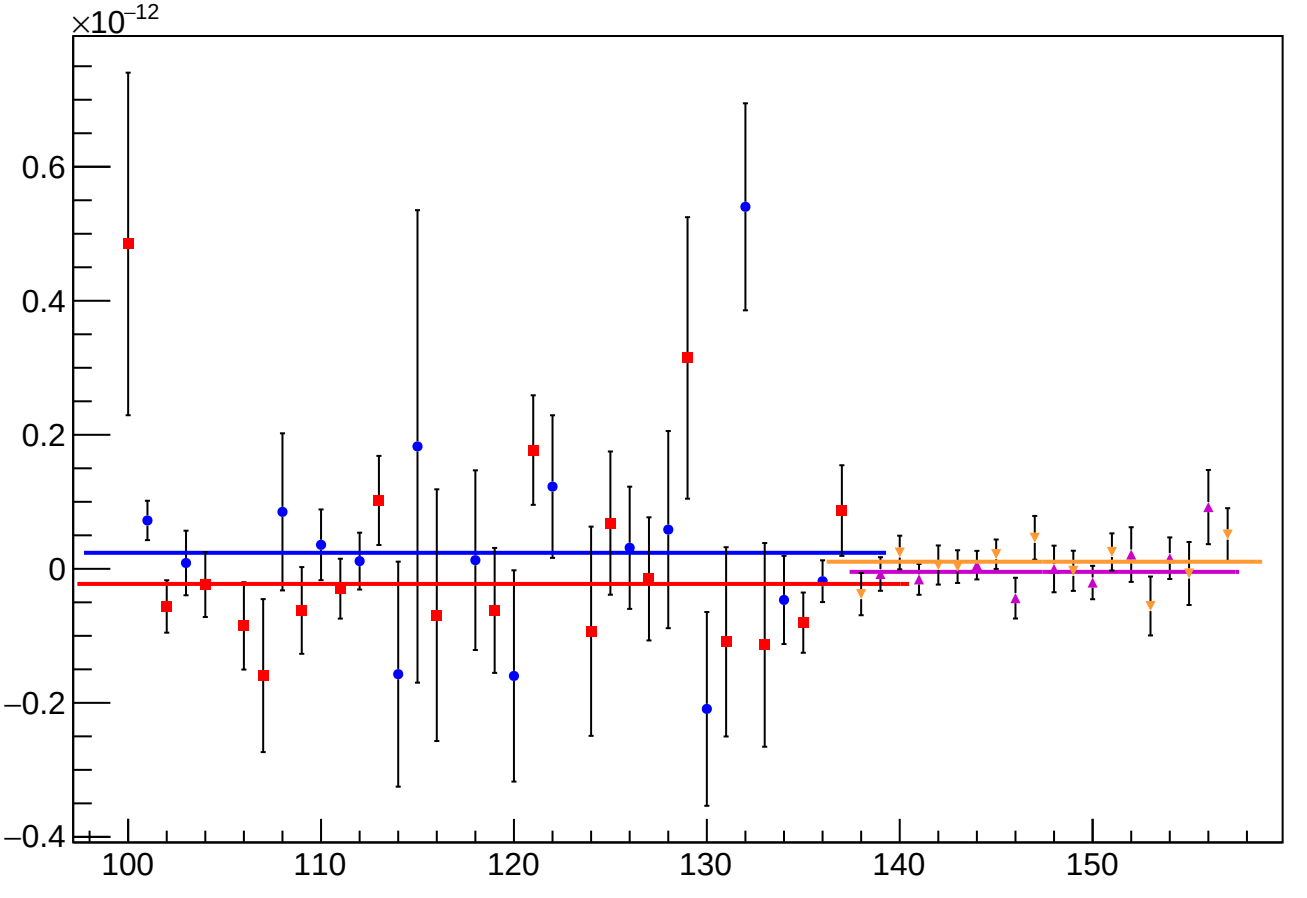
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 681.549+/-0.174 χ^2/NDF:274869.1/8

+ sign 667.177+/-0.123 χ^2/NDF: 2305279.9/26

All: 655.817+/-0.087 χ^2/NDF: 4727742.3/54

- sign 644.719+/-0.122 χ^2/NDF: 2405692.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/10

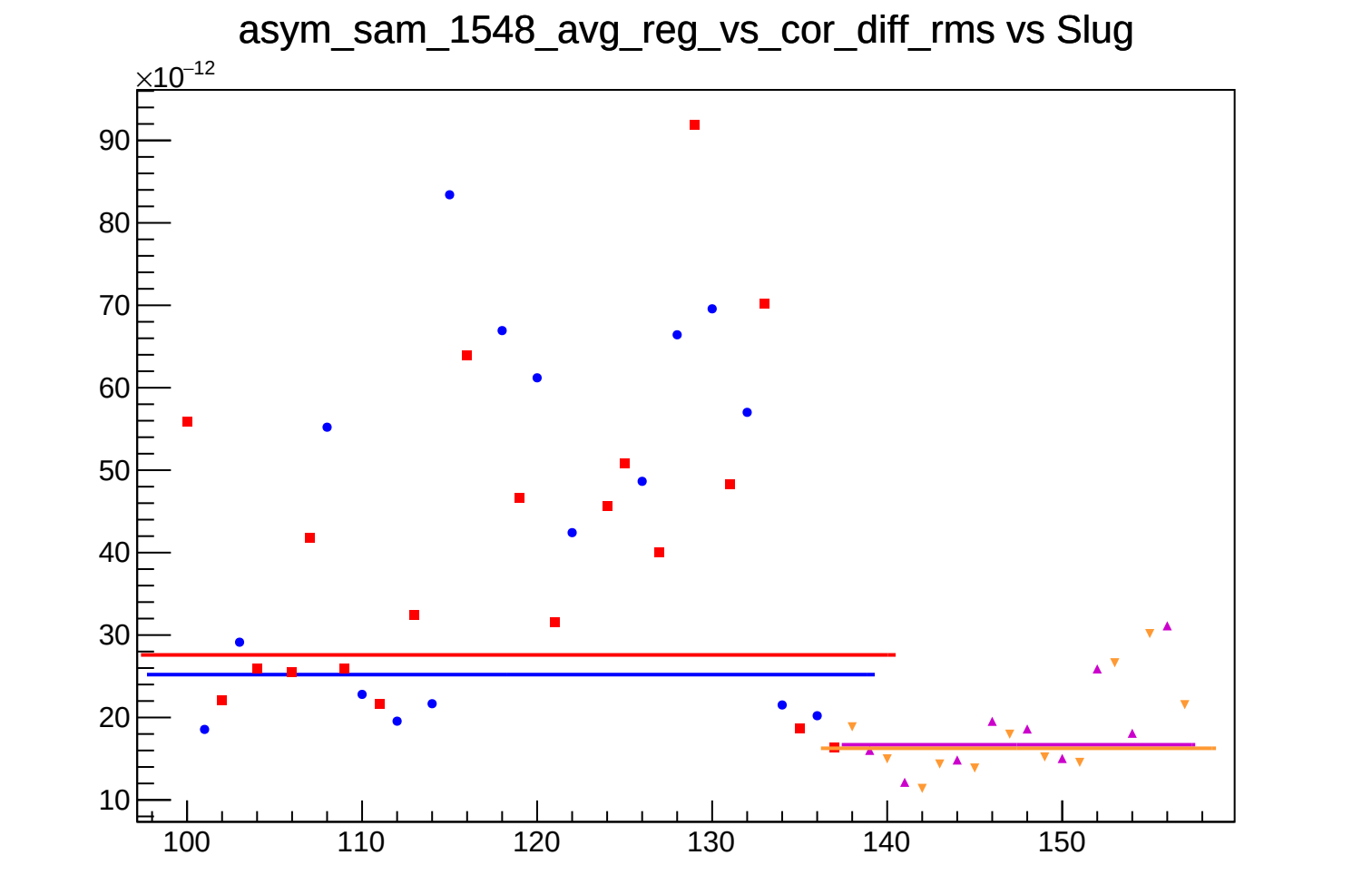
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/26

All: 0.000+/-0.000 χ^2/NDF: 69.6/54

- sign -0.000+/-0.000 χ^2/NDF: 33.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:448758.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

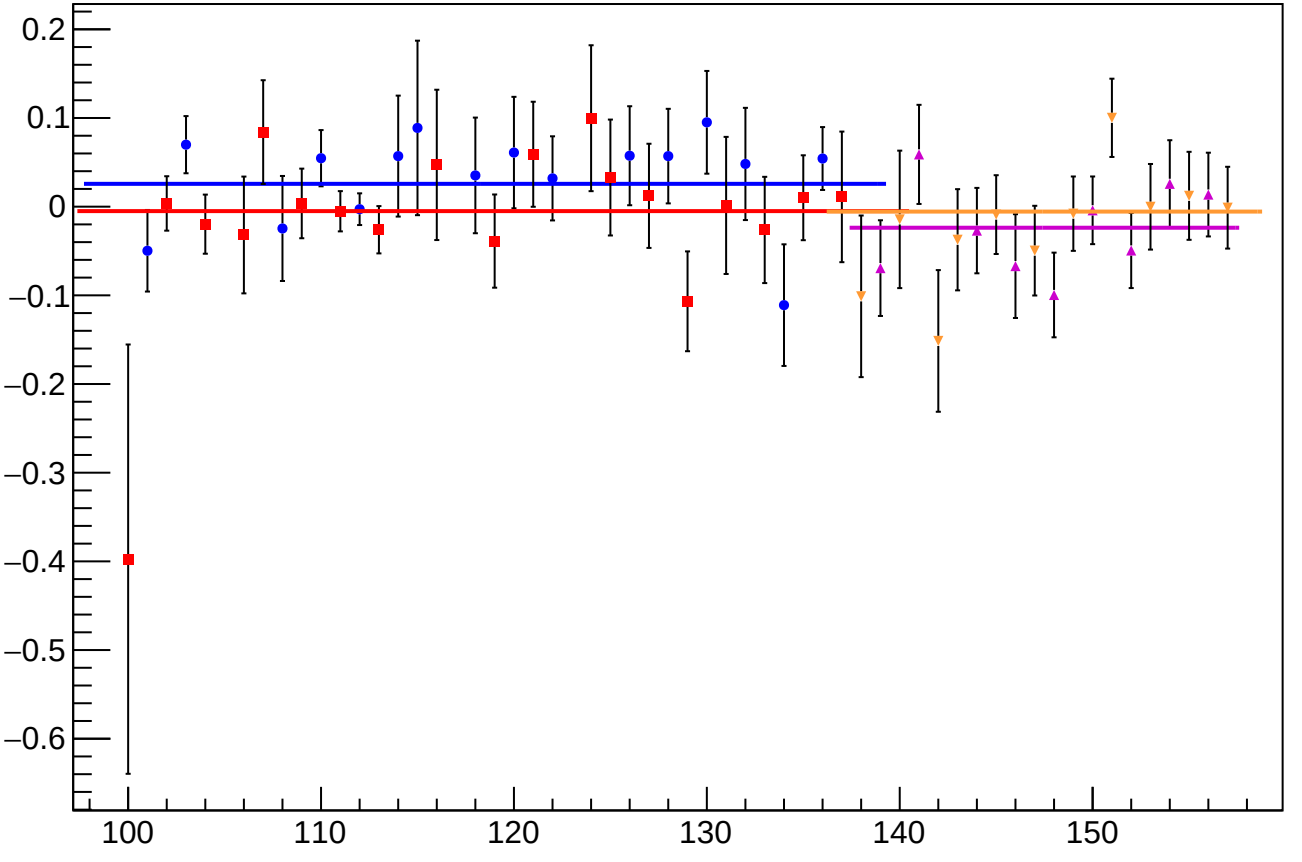
Left In: 0.000+/-0.000 χ^2/NDF:368748.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 2274066.0/26

All: 0.000+/-0.000 χ^2/NDF: 4309377.1/54

- sign 0.000+/-0.000 χ^2/NDF: 2023462.0/27

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

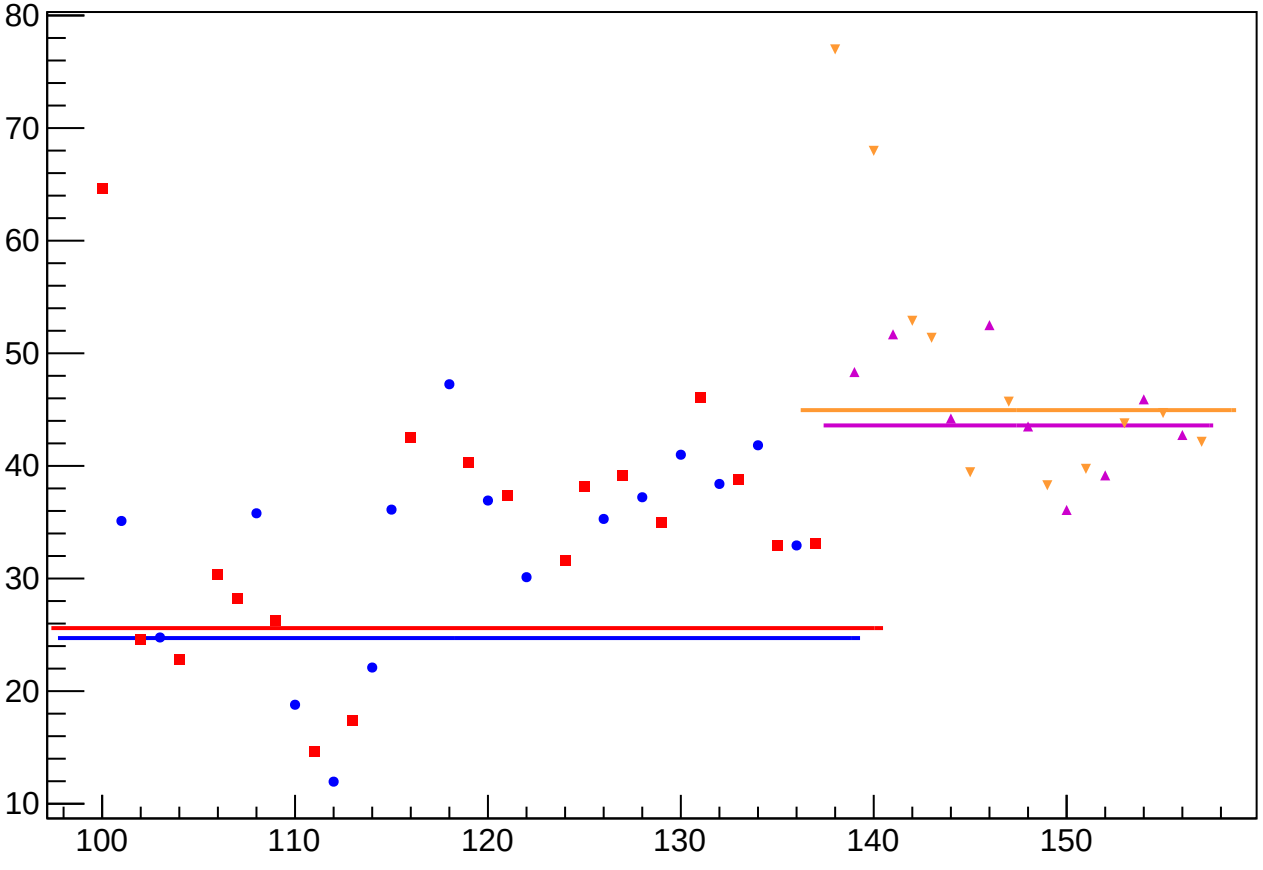
Left In: -0.024+/-0.016 χ^2/NDF:8.2/8

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.003+/-0.006 χ^2/NDF: 58.3/54

- sign -0.011+/-0.009 χ^2/NDF: 22.8/27

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 44.953+/-0.011 χ^2/NDF:587197.1/10

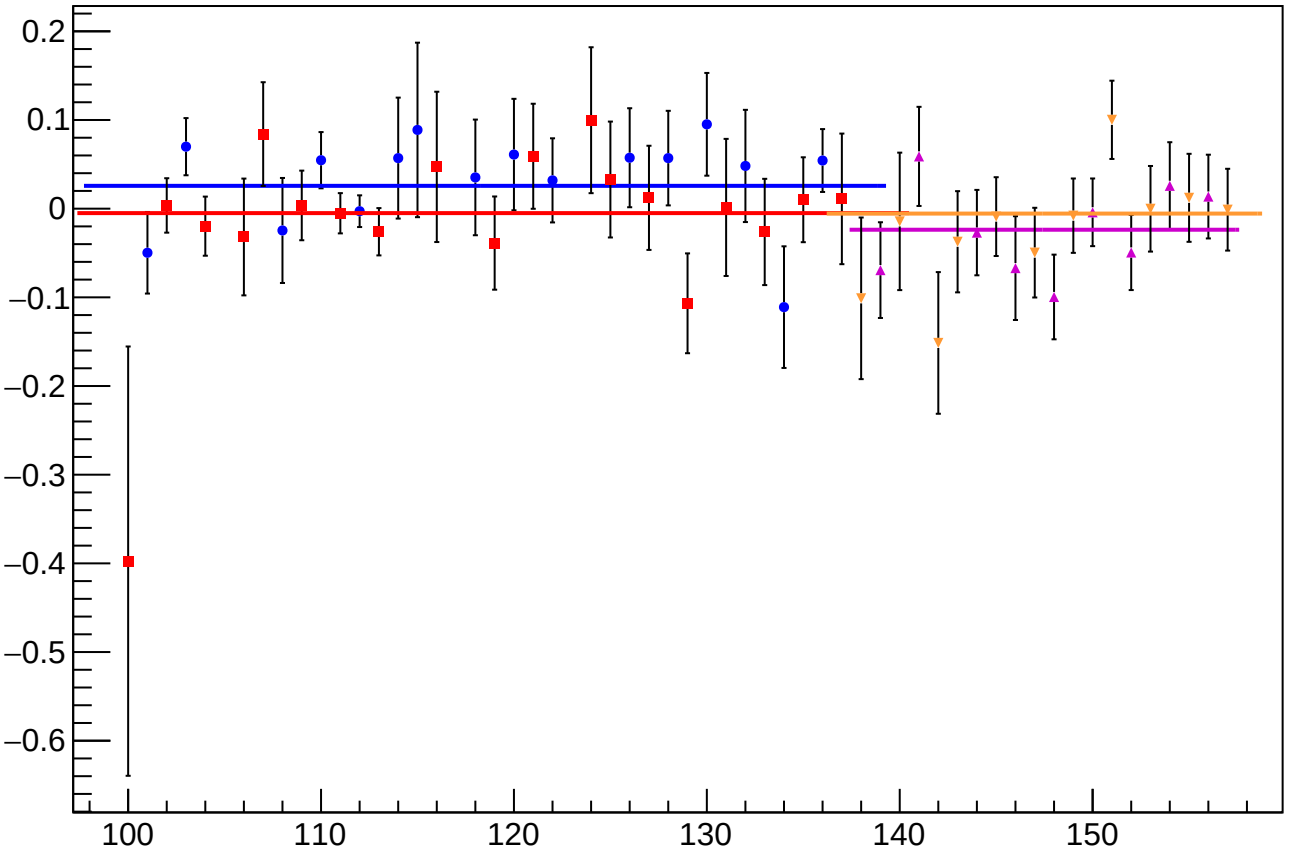
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.595+/-0.011 χ^2/NDF:208383.7/8

+ sign 30.827+/-0.006 χ^2/NDF: 5190150.5/26

All: 30.878+/-0.004 χ^2/NDF: 8796106.2/54

- sign 30.929+/-0.006 χ^2/NDF: 3605817.8/27



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

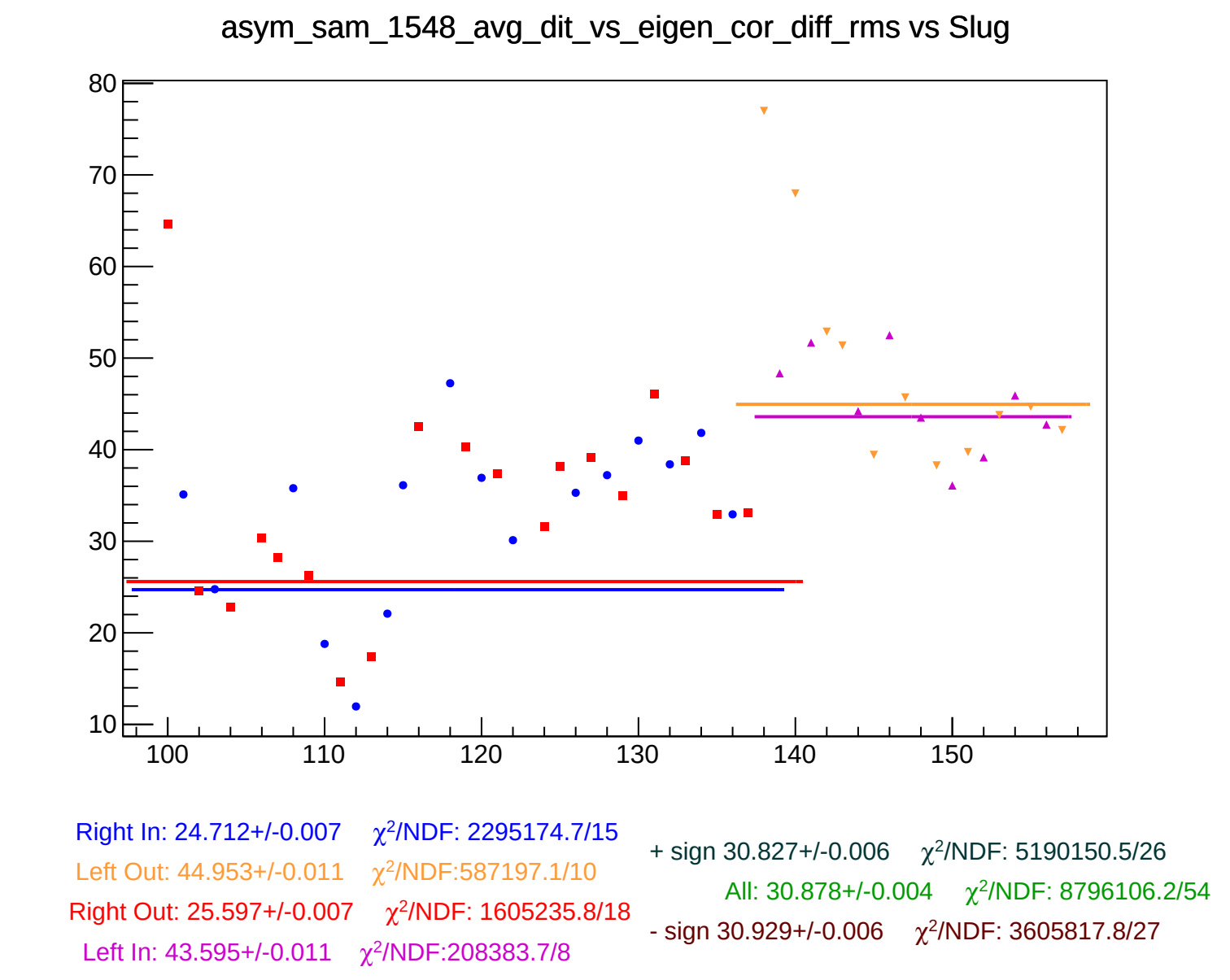
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

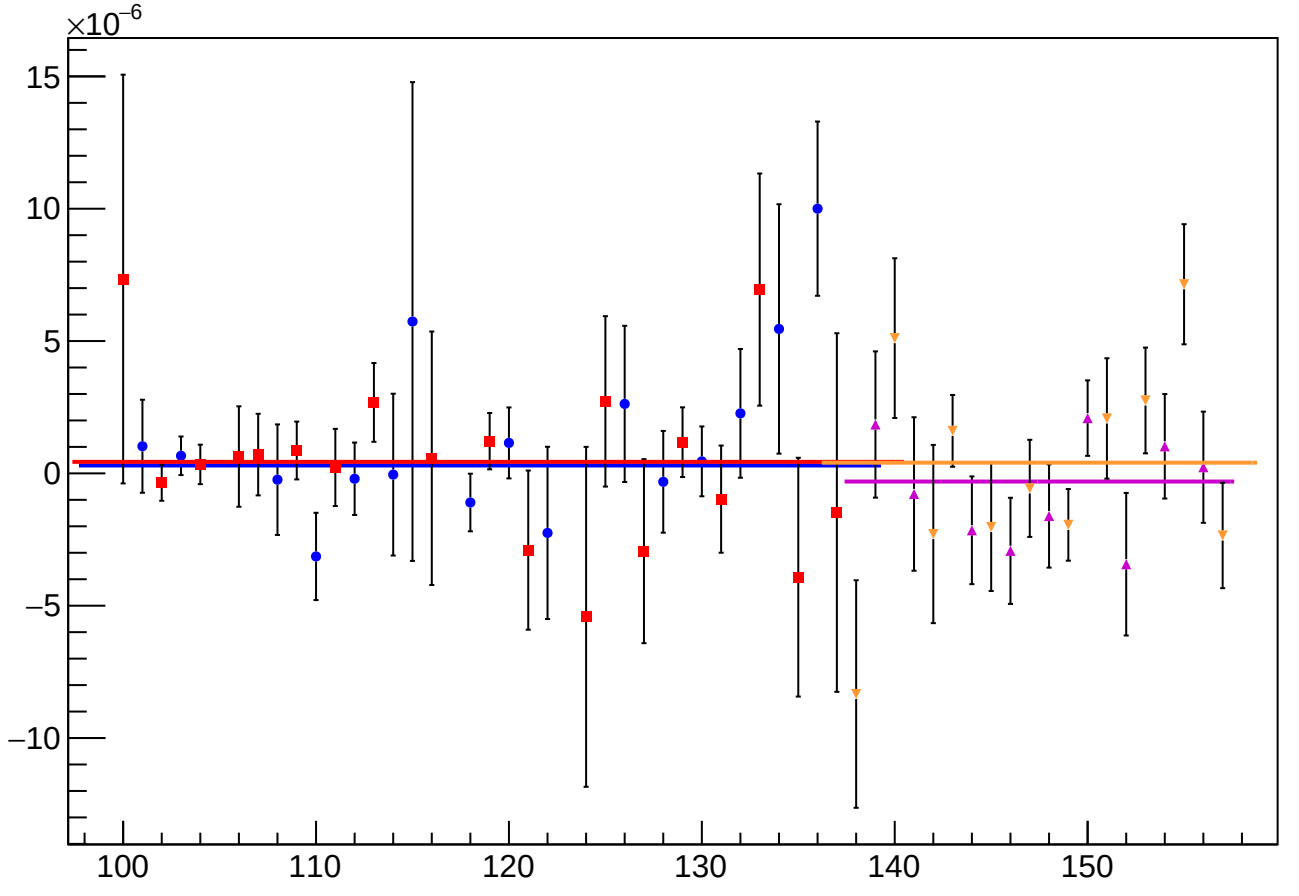
Left In: -0.024+/-0.016 χ^2/NDF:8.2/8

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.003+/-0.006 χ^2/NDF: 58.3/54

- sign -0.011+/-0.009 χ^2/NDF: 22.8/27


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 44.953+/-0.011 χ²/NDF:587197.1/10
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.595+/-0.011 χ²/NDF:208383.7/8
+ sign 30.827+/-0.006 χ²/NDF: 5190150.5/26
All: 30.878+/-0.004 χ²/NDF: 8796106.2/54
- sign 30.929+/-0.006 χ²/NDF: 3605817.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/10

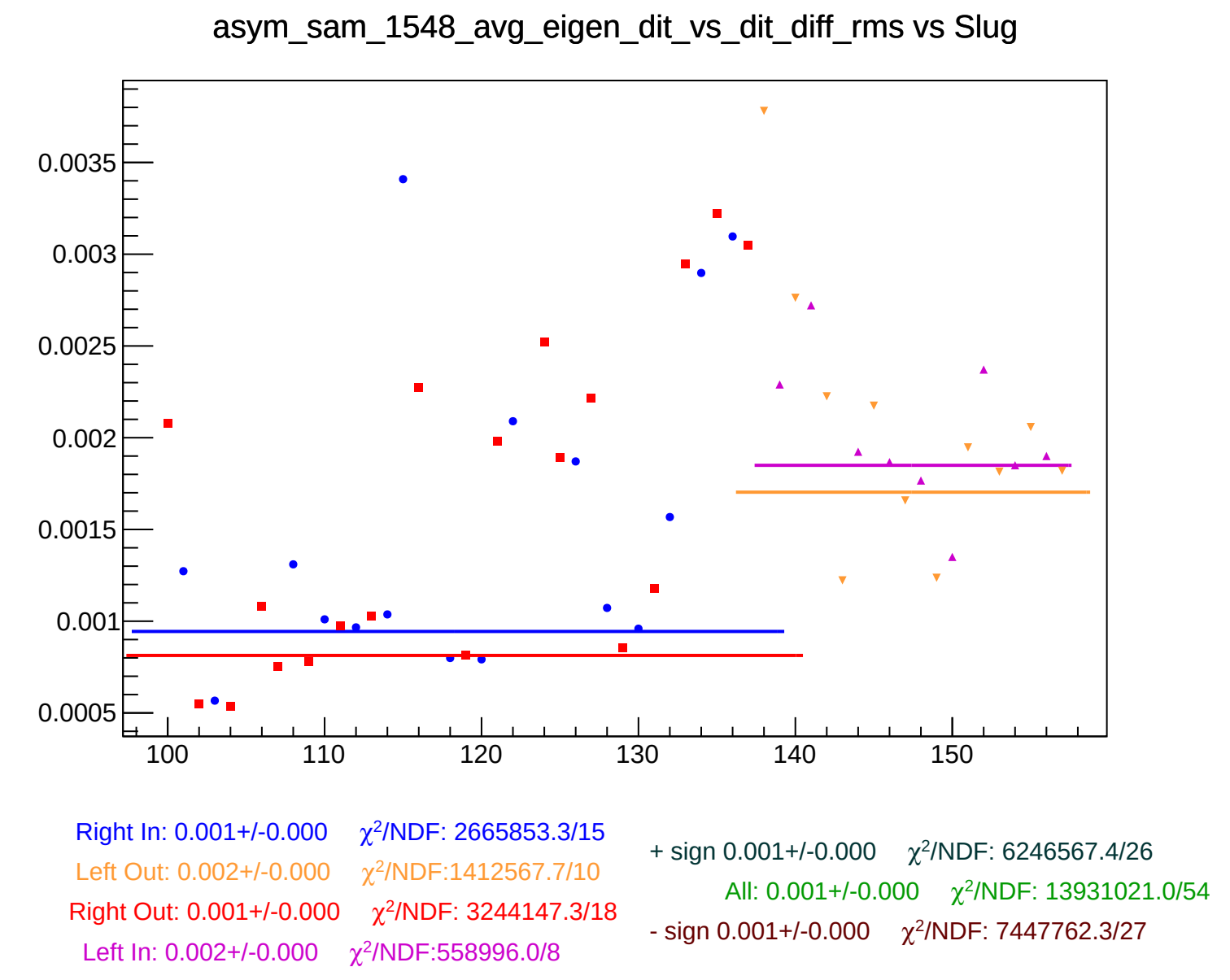
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

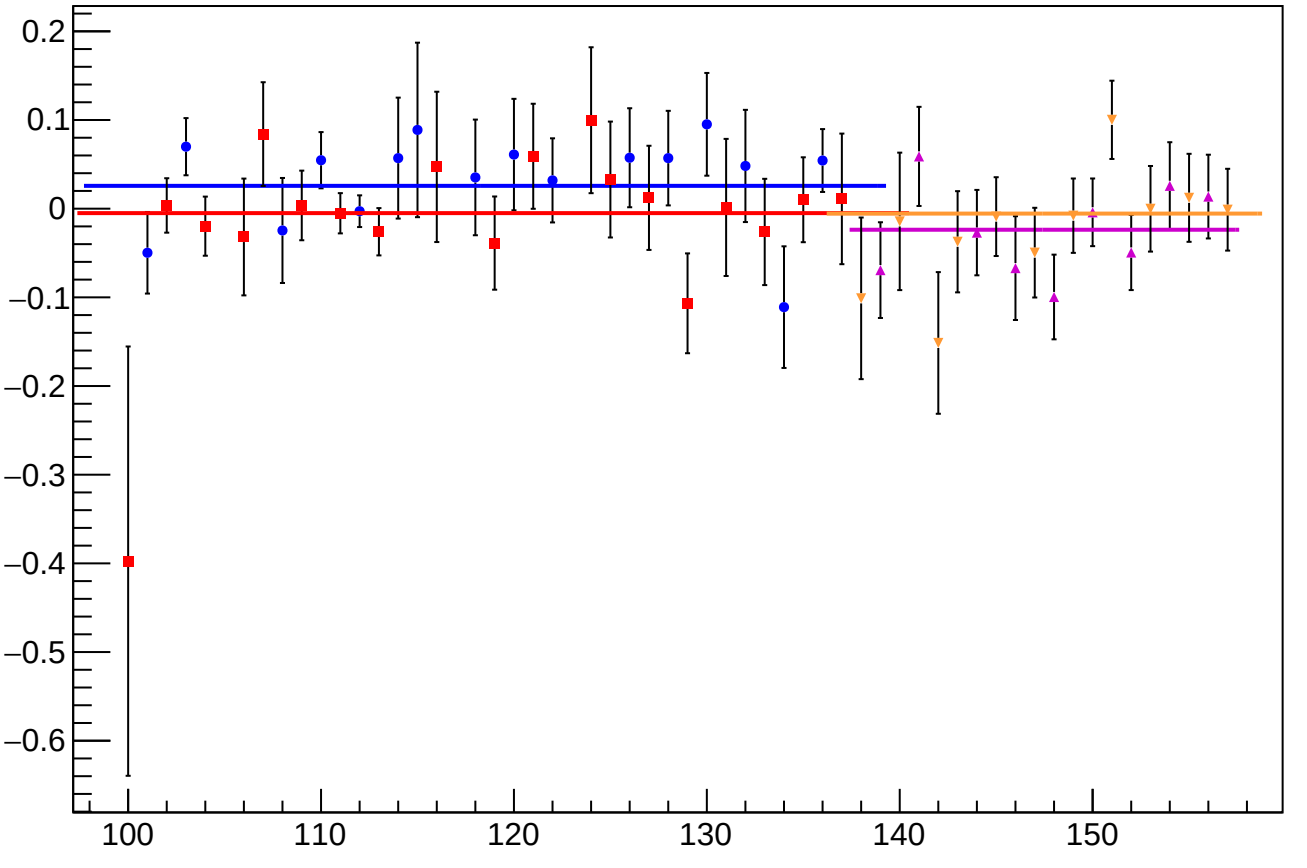
Left In: -0.000+/-0.000 χ^2/NDF:8.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/26

All: 0.000+/-0.000 χ^2/NDF: 66.2/54

- sign 0.000+/-0.000 χ^2/NDF: 21.9/27


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1412567.7/10
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:558996.0/8
+ sign 0.001+/-0.000 χ²/NDF: 6246567.4/26
All: 0.001+/-0.000 χ²/NDF: 13931021.0/54
- sign 0.001+/-0.000 χ²/NDF: 7447762.3/27



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

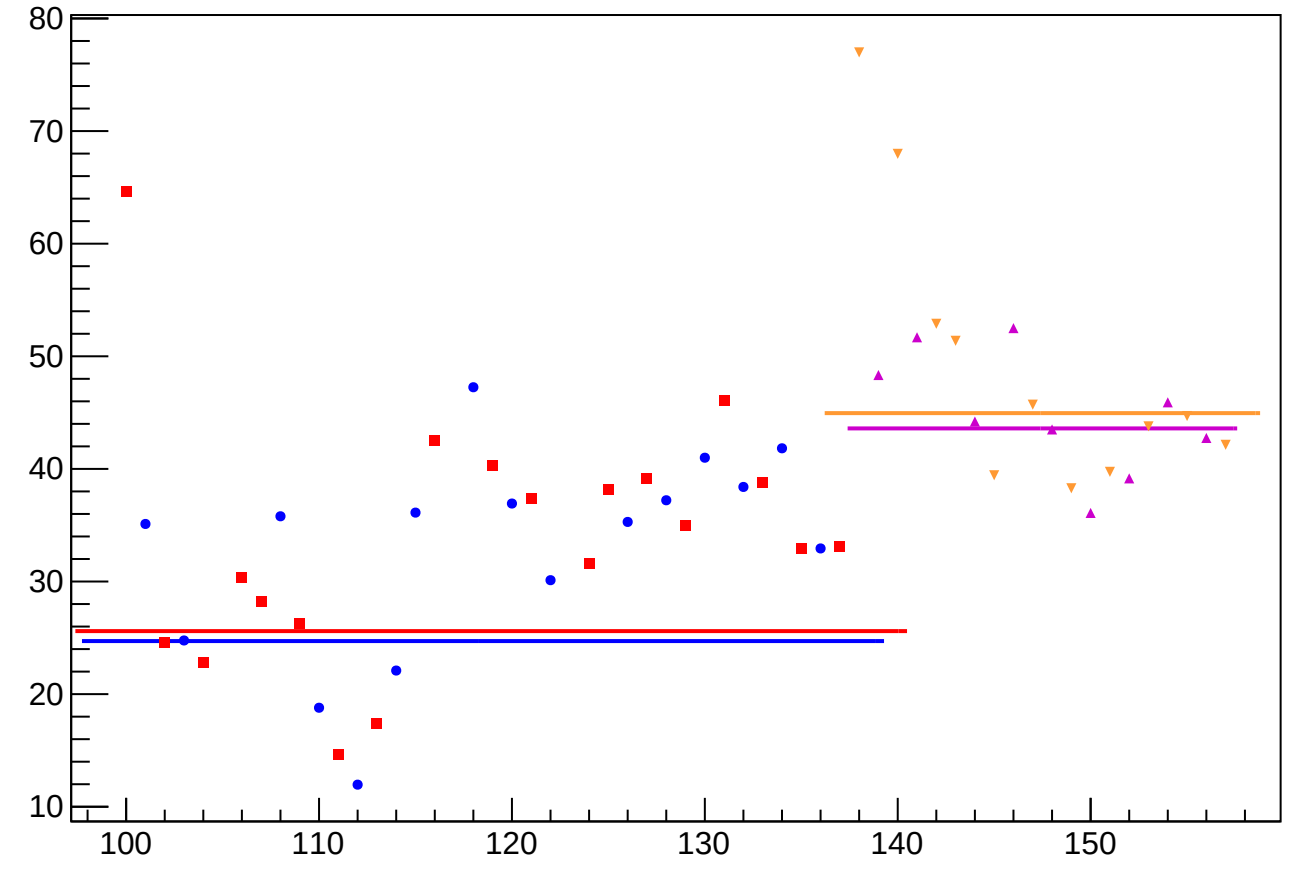
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.024+/-0.016 χ^2/NDF:8.2/8

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.003+/-0.006 χ^2/NDF: 58.3/54

- sign -0.011+/-0.009 χ^2/NDF: 22.8/27



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.954+/-0.011 χ^2/NDF:587181.7/10

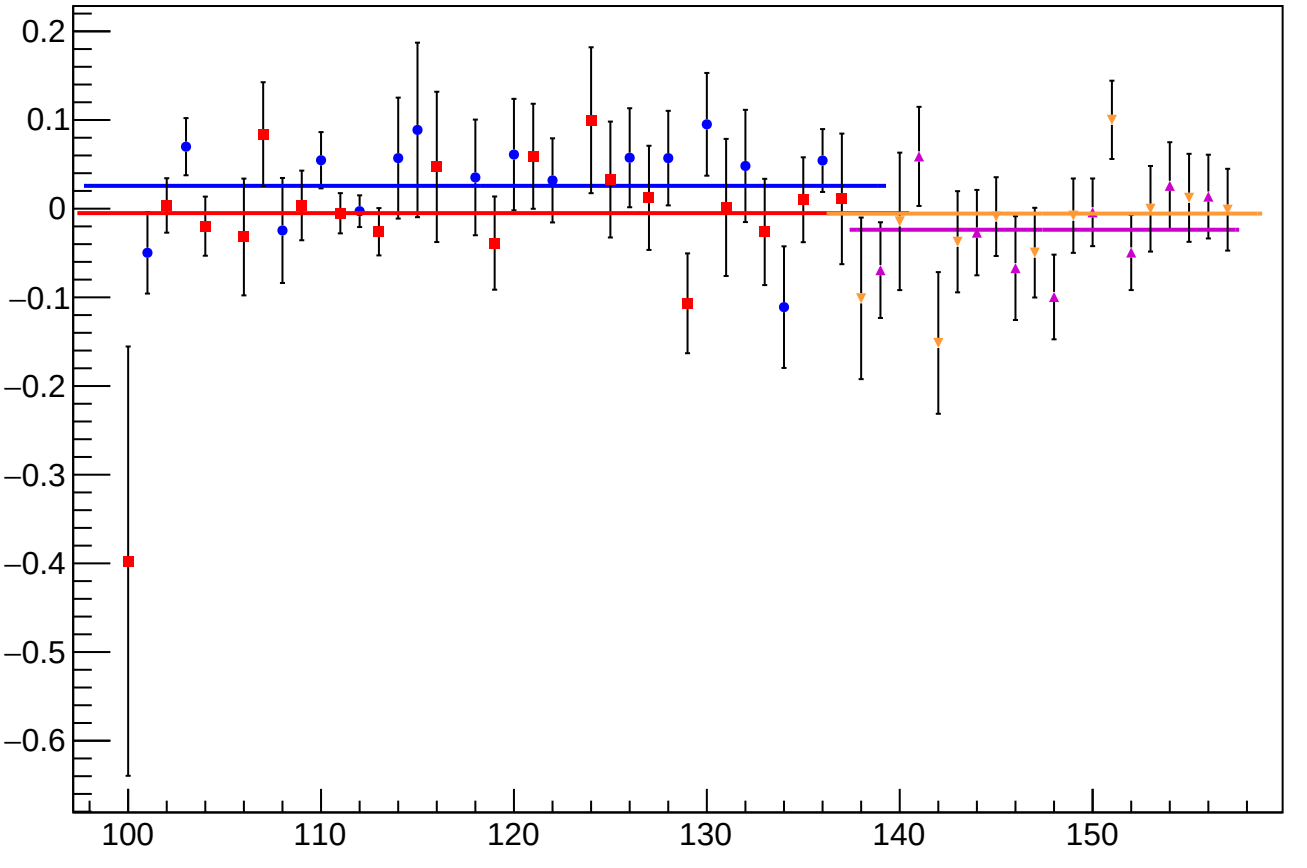
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.595+/-0.011 χ^2/NDF:208386.2/8

+ sign 30.827+/-0.006 χ^2/NDF: 5190556.4/26

All: 30.878+/-0.004 χ^2/NDF: 8796844.7/54

- sign 30.929+/-0.006 χ^2/NDF: 3606150.0/27



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.016 χ^2/NDF:11.4/10

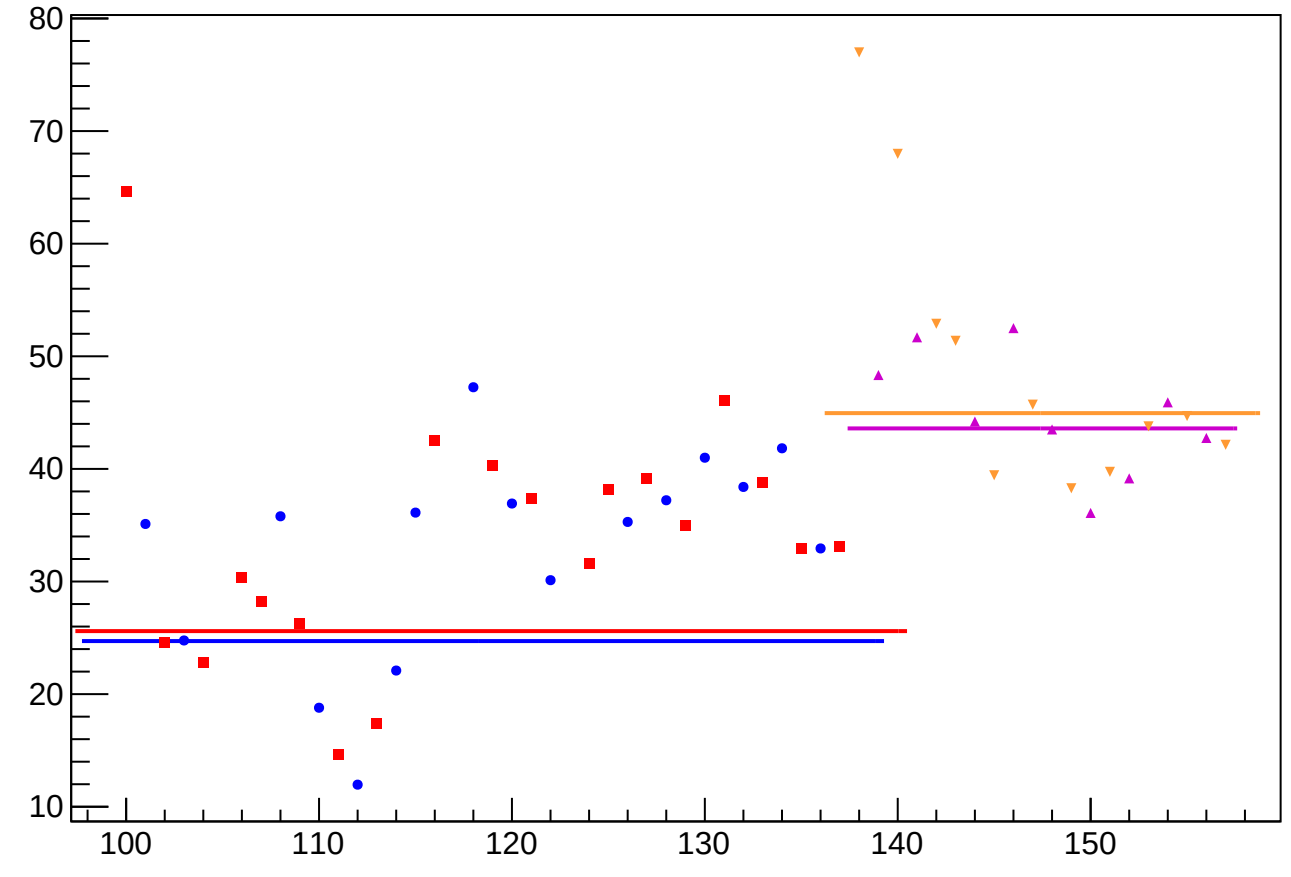
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.024+/-0.016 χ^2/NDF:8.2/8

+ sign 0.016+/-0.009 χ^2/NDF: 30.7/26

All: 0.003+/-0.006 χ^2/NDF: 58.3/54

- sign -0.011+/-0.009 χ^2/NDF: 22.8/27



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 44.954+/-0.011 χ^2/NDF:587181.7/10

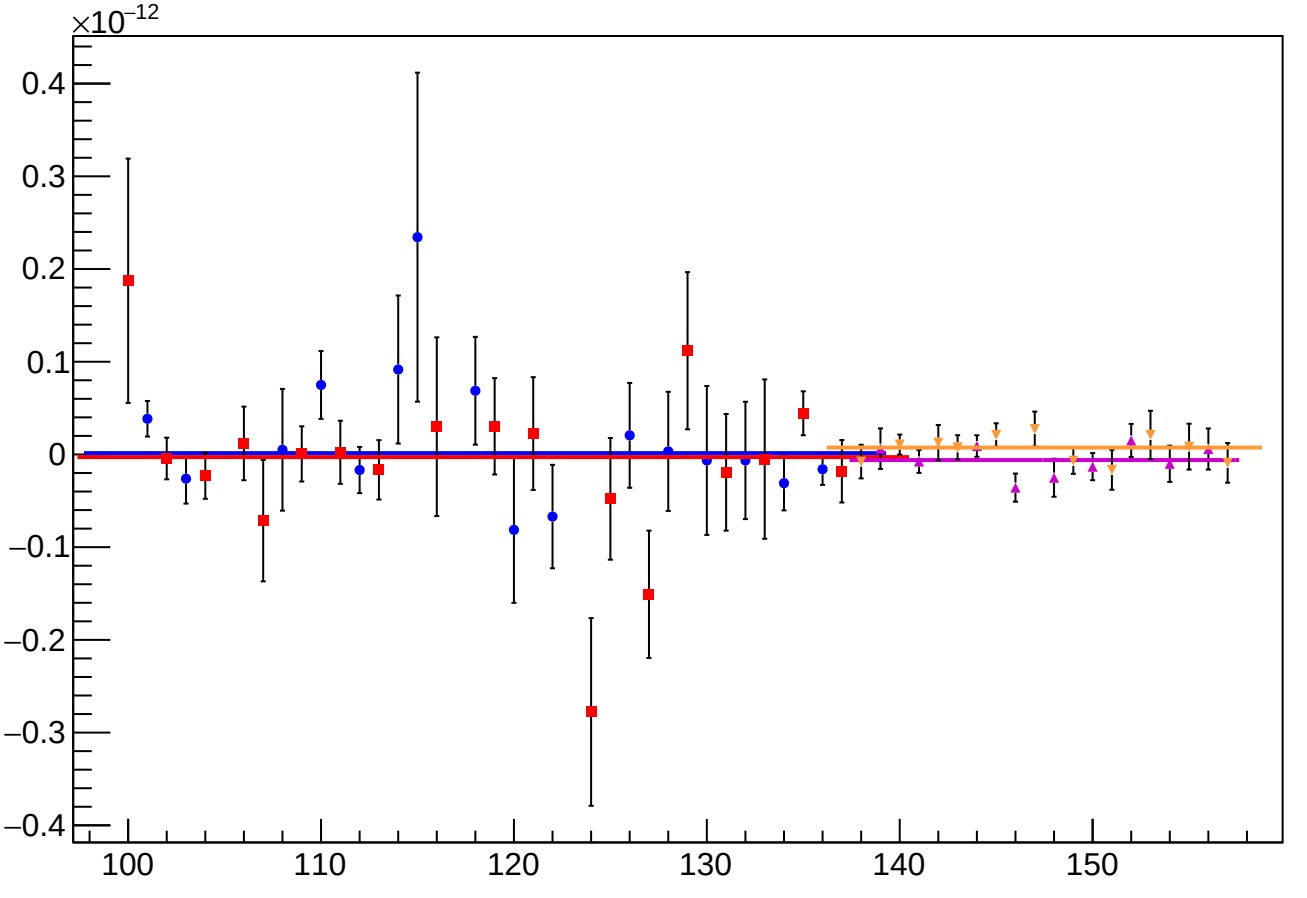
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.595+/-0.011 χ^2/NDF:208386.2/8

\+ sign 30.827+/-0.006 χ^2/NDF: 5190556.4/26

All: 30.878+/-0.004 χ^2/NDF: 8796844.7/54

\- sign 30.929+/-0.006 χ^2/NDF: 3606150.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/10

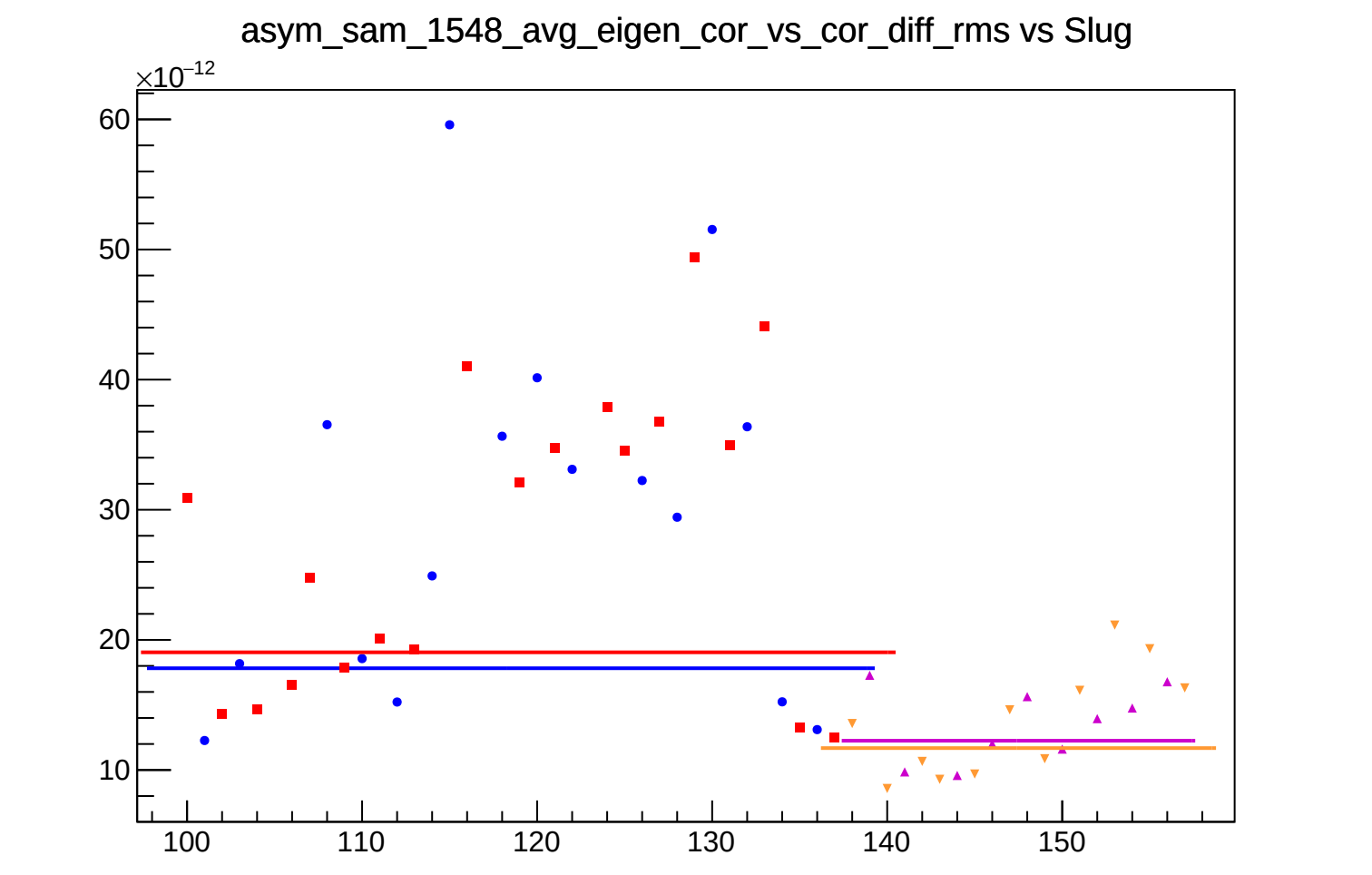
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 25.4/26

All: 0.000+/-0.000 χ^2/NDF: 60.9/54

- sign -0.000+/-0.000 χ^2/NDF: 32.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:999966.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

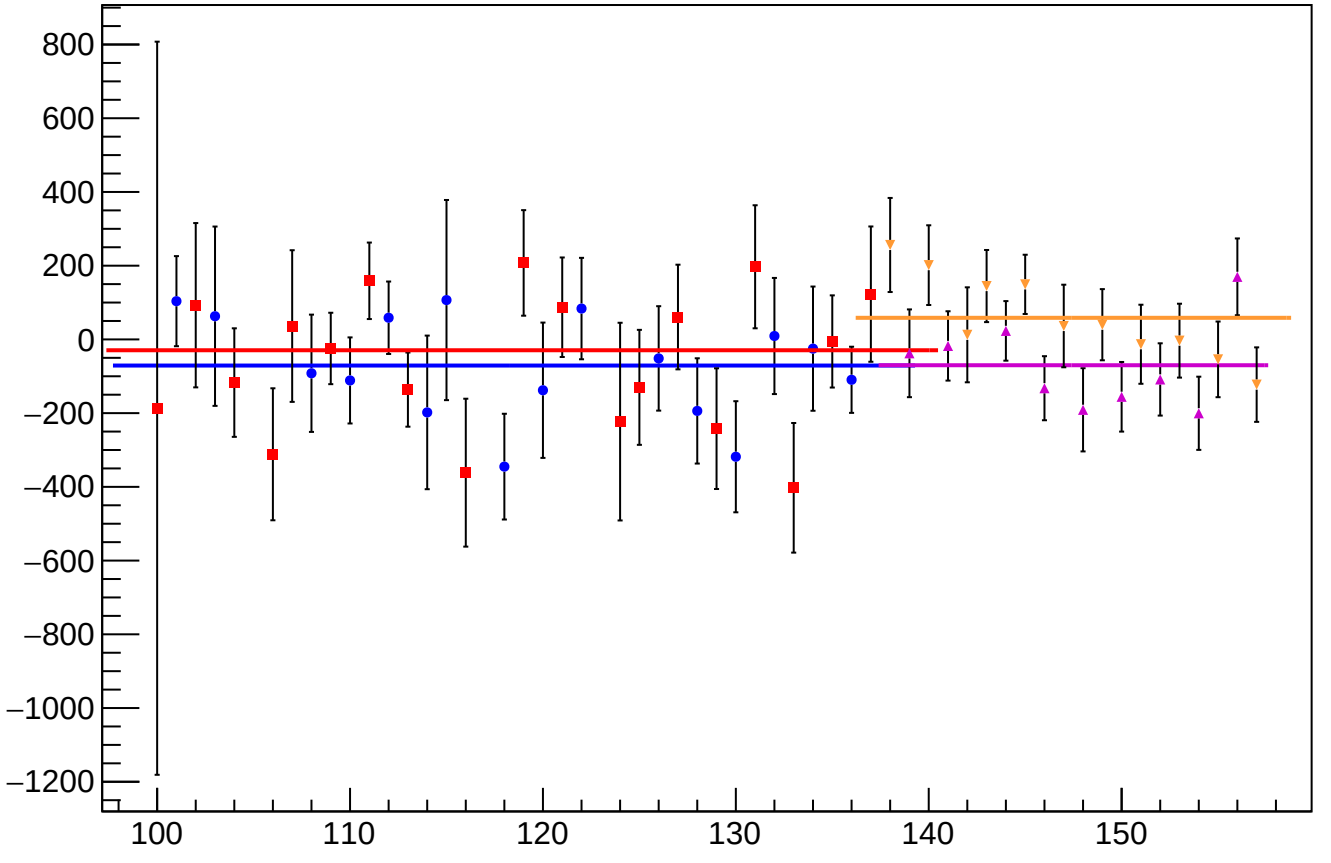
Left In: 0.000+/-0.000 χ^2/NDF:481076.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 3629420.6/26

All: 0.000+/-0.000 χ^2/NDF: 6590492.4/54

- sign 0.000+/-0.000 χ^2/NDF: 2927742.7/27

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.597+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

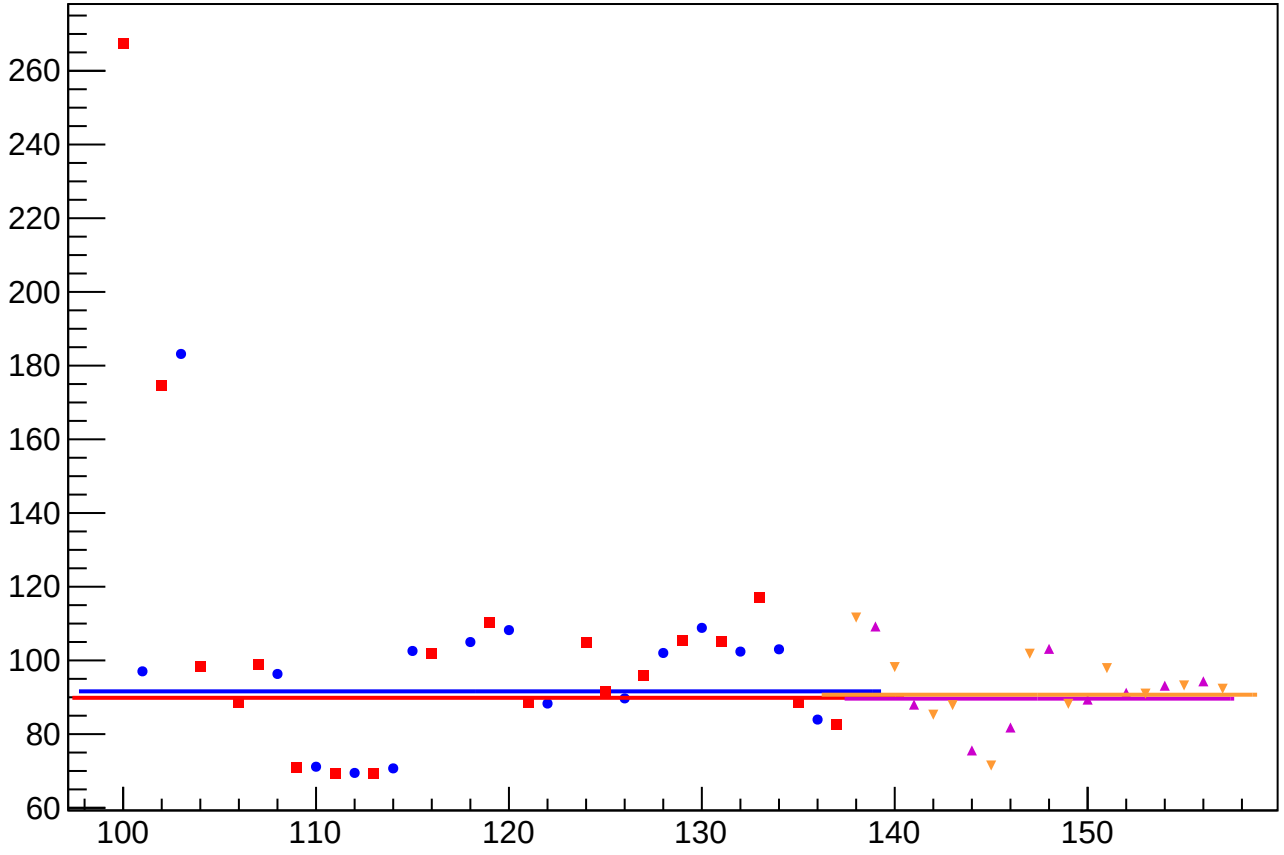
Left In: -70.048+/-32.317 χ^2/NDF:11.4/8

+ sign 1.661+/-23.289 χ^2/NDF: 33.3/26

All: -24.381+/-16.543 χ^2/NDF: 72.0/54

- sign -50.904+/-23.503 χ^2/NDF: 36.1/27

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

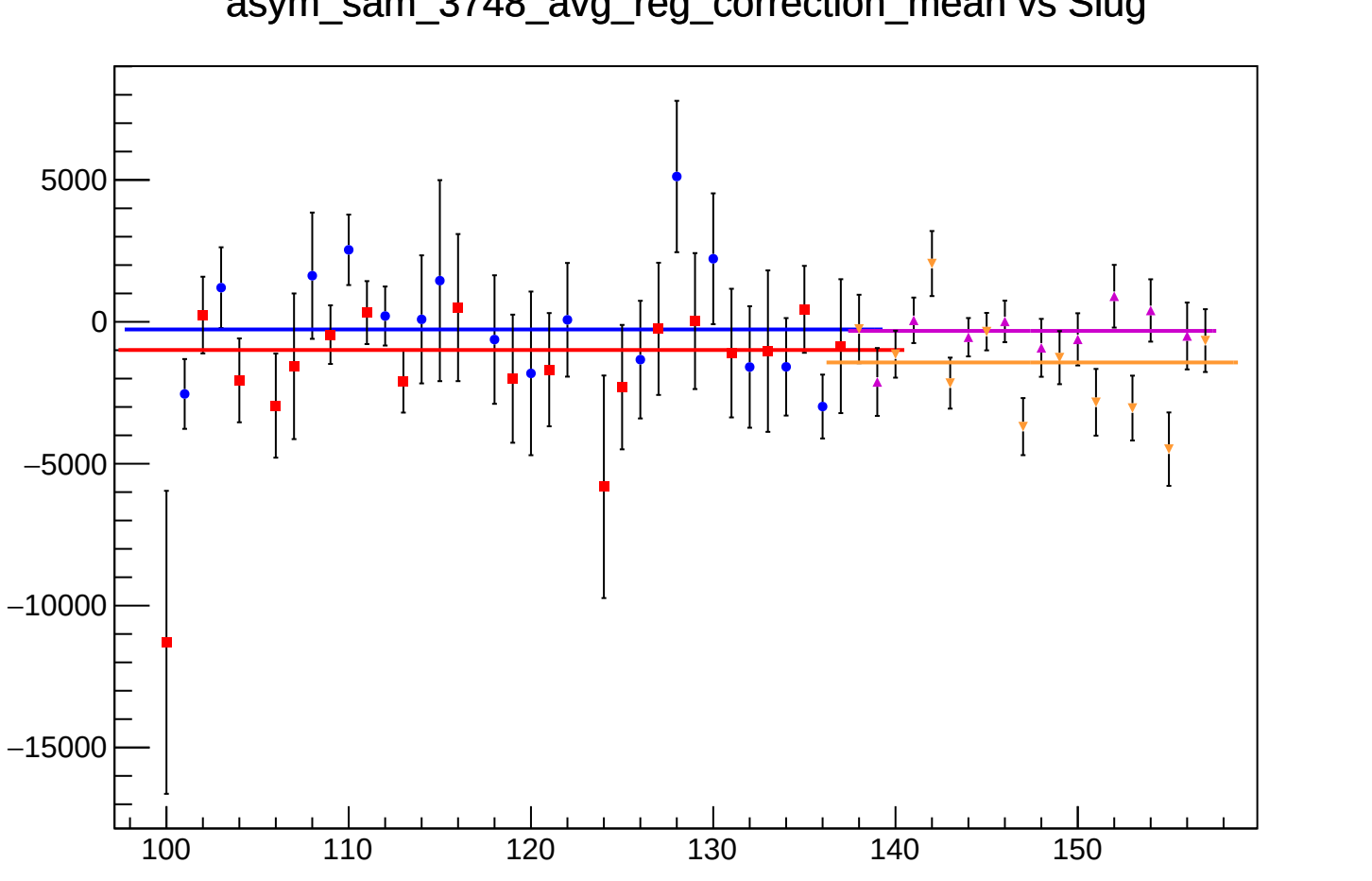
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.629+/-0.023 χ^2/NDF:167262.3/8

+ sign 91.097+/-0.016 χ^2/NDF: 796285.1/26

All: 90.422+/-0.012 χ^2/NDF: 1713271.6/54

- sign 89.735+/-0.017 χ^2/NDF: 913597.4/27



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1431.286+/-295.126 χ^2/NDF:28.3/10

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

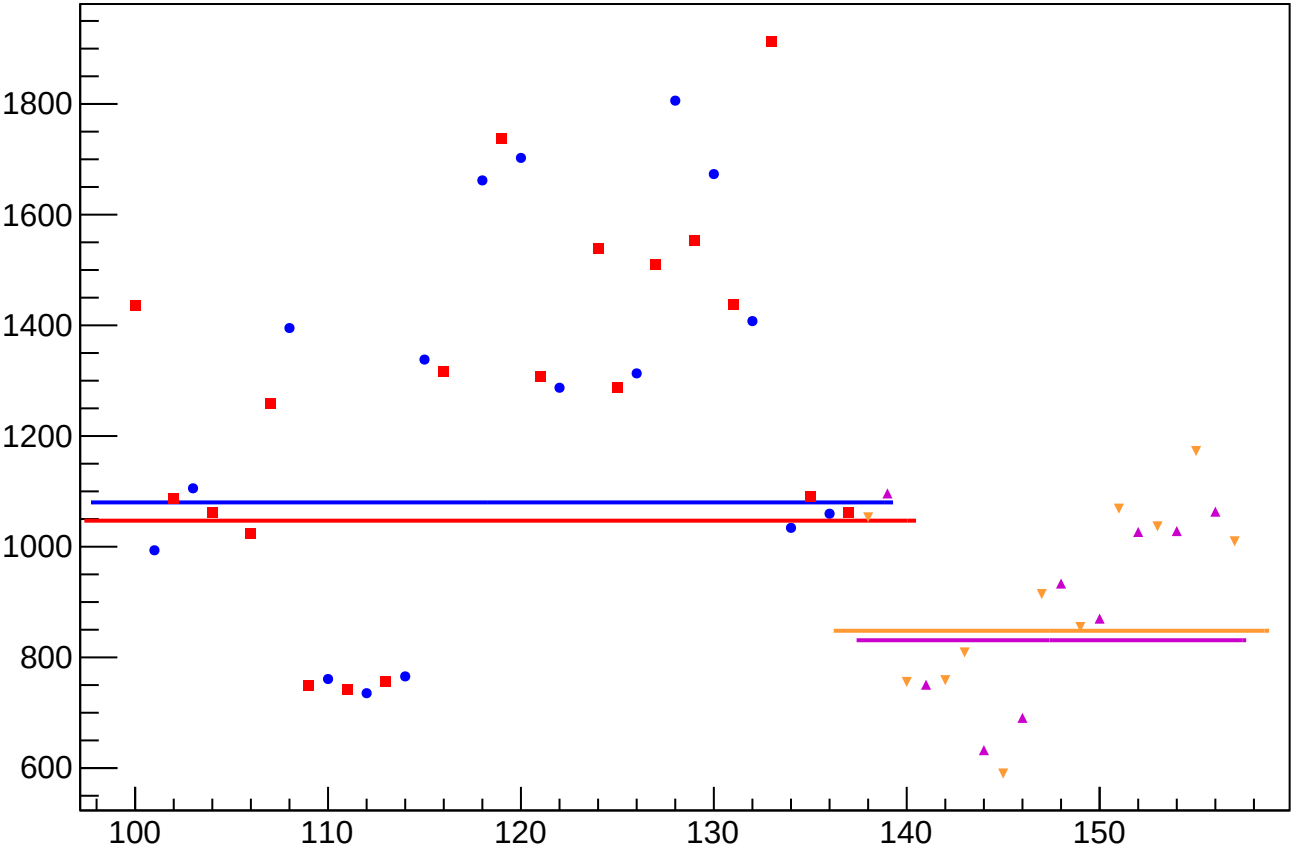
Left In: -319.322+/-303.988 χ^2/NDF:4.9/8

+ sign -1046.406+/-241.392 χ^2/NDF: 56.8/26

All: -806.615+/-170.978 χ^2/NDF: 78.2/54

- sign -565.197+/-242.209 χ^2/NDF: 19.4/27

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 848.153+/-0.209 χ^2/NDF:706910.9/10

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

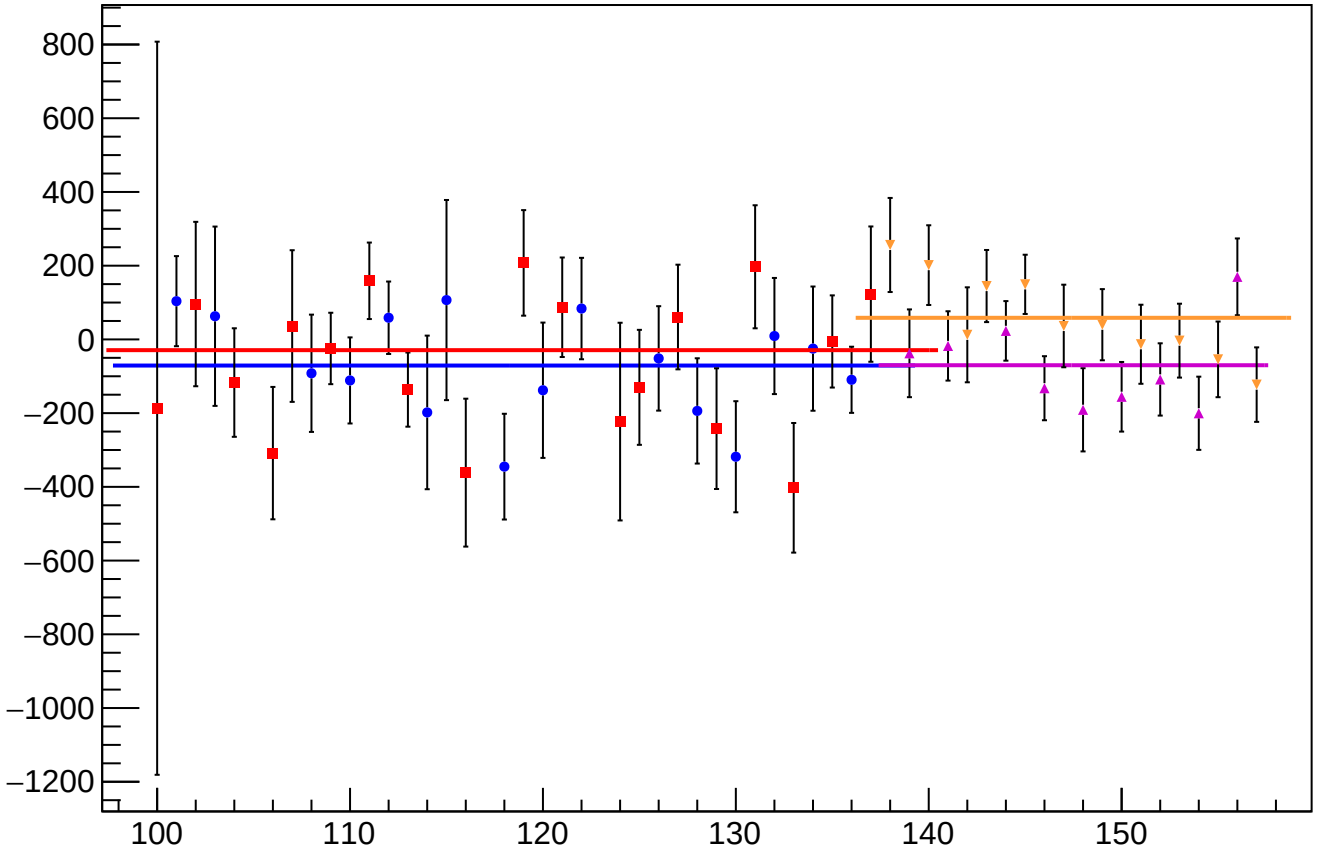
Left In: 831.008+/-0.215 χ^2/NDF:593401.2/8

+ sign 924.908+/-0.171 χ^2/NDF: 2169083.4/26

All: 917.431+/-0.121 χ^2/NDF: 4333905.8/54

- sign 909.903+/-0.171 χ^2/NDF: 2160971.7/27

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.601+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

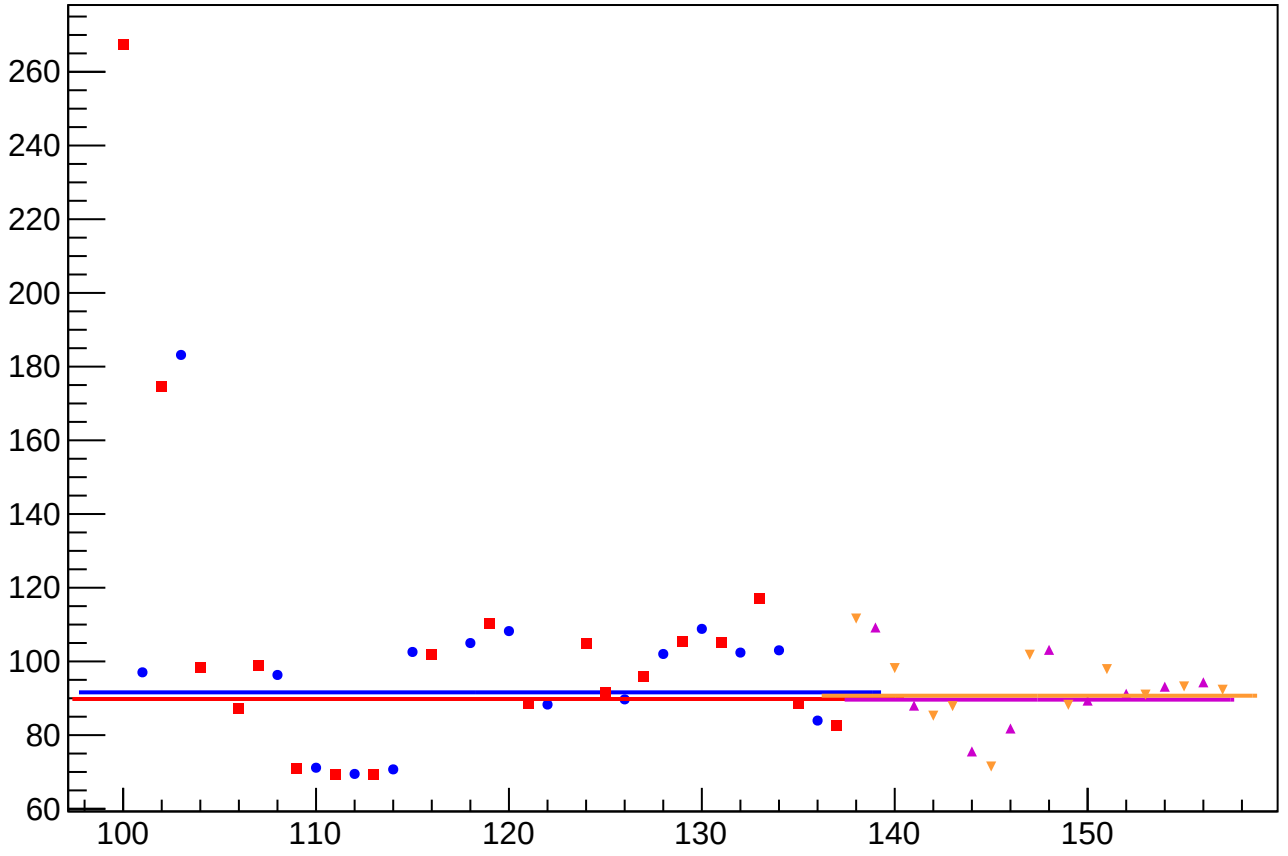
Left In: -70.049+/-32.317 χ^2/NDF:11.4/8

+ sign 1.658+/-23.289 χ^2/NDF: 33.3/26

All: -24.324+/-16.544 χ^2/NDF: 71.9/54

- sign -50.789+/-23.504 χ^2/NDF: 36.1/27

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

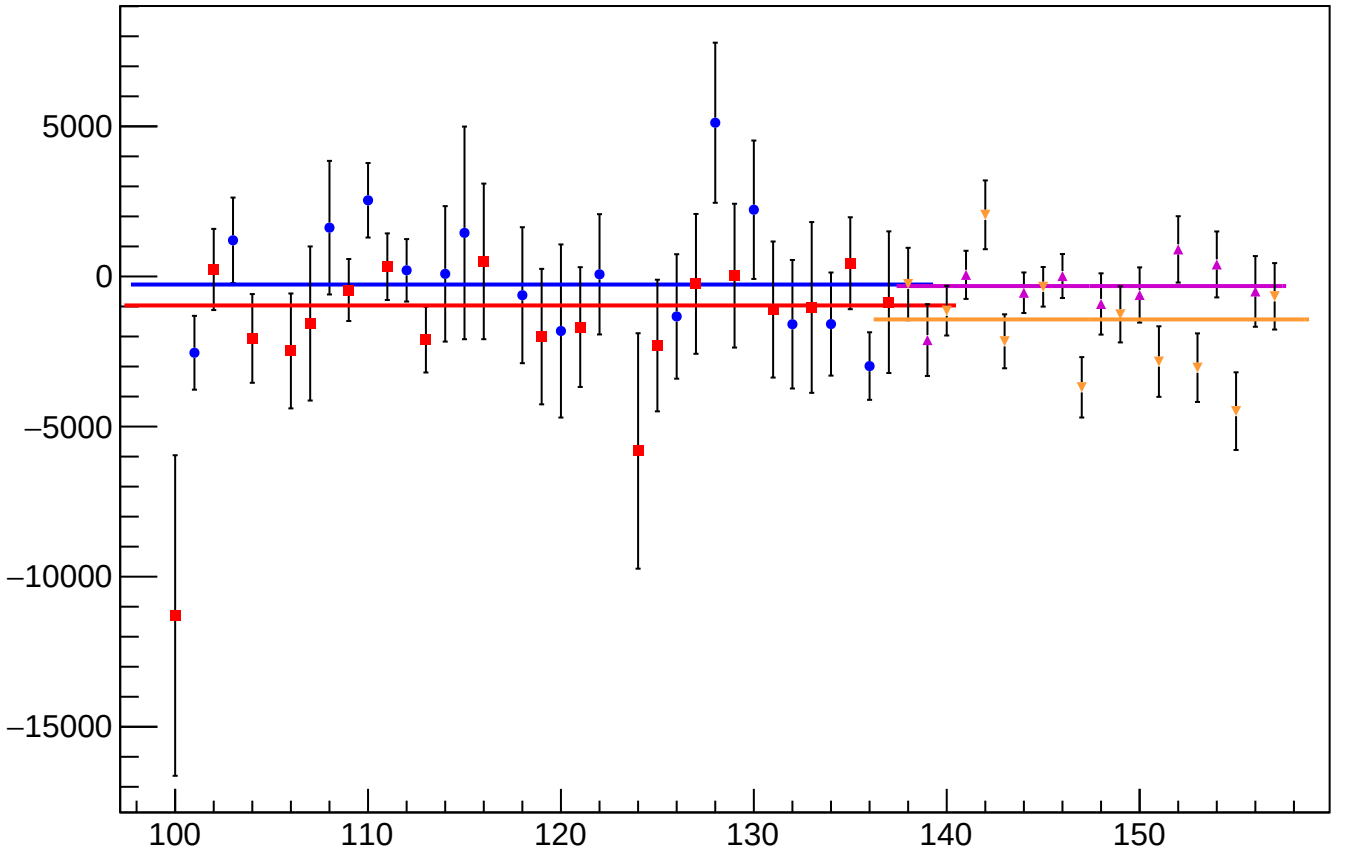
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.629+/-0.023 χ^2/NDF:167262.3/8

+ sign 91.097+/-0.016 χ^2/NDF: 796288.2/26

All: 90.411+/-0.012 χ^2/NDF: 1713913.7/54

- sign 89.713+/-0.017 χ^2/NDF: 914124.4/27



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

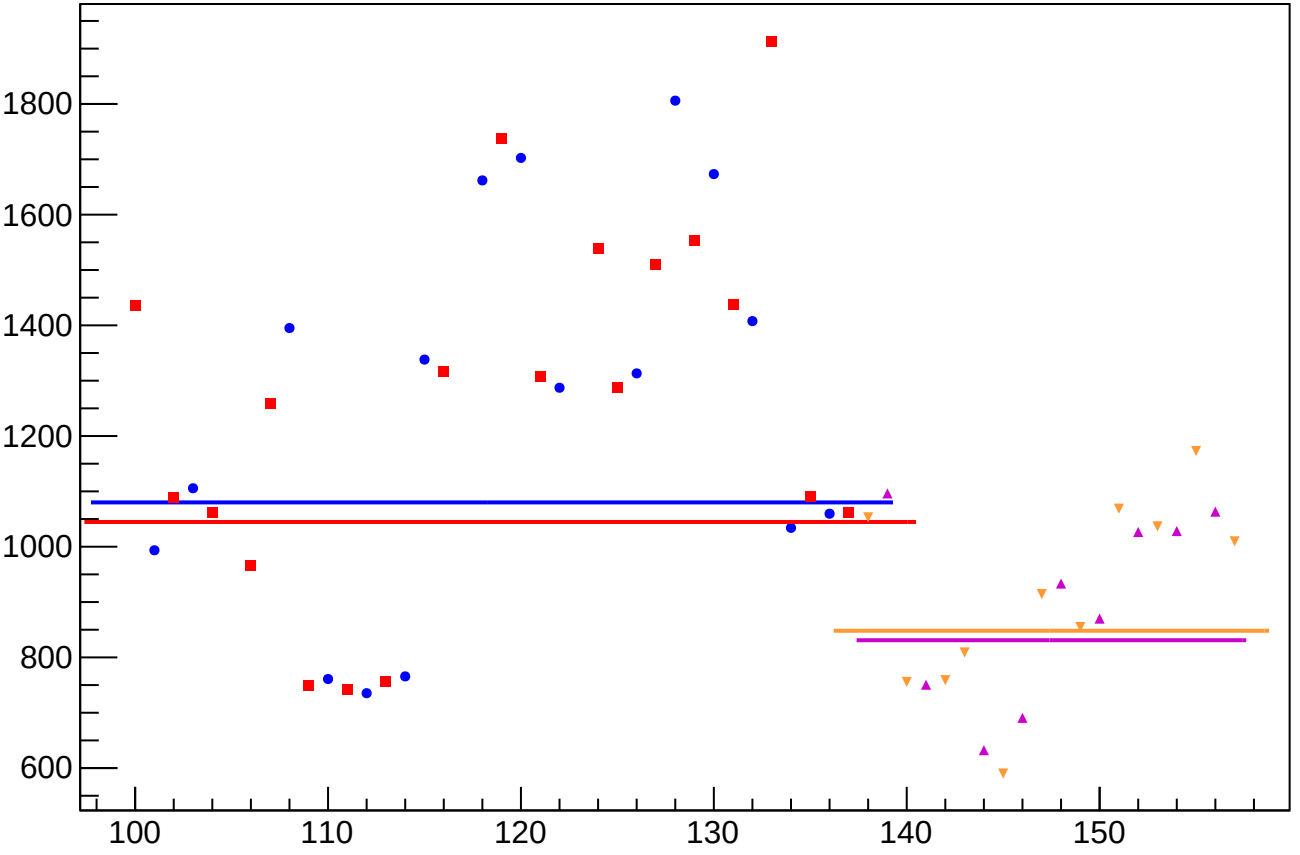
Left In: -319.329+/-303.988 χ^2/NDF:4.9/8

+ sign -1046.413+/-241.392 χ^2/NDF: 56.8/26

All: -801.464+/-171.041 χ^2/NDF: 77.6/54

- sign -554.489+/-242.387 χ^2/NDF: 18.7/27

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 848.152+/-0.209 χ^2/NDF:706913.6/10

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

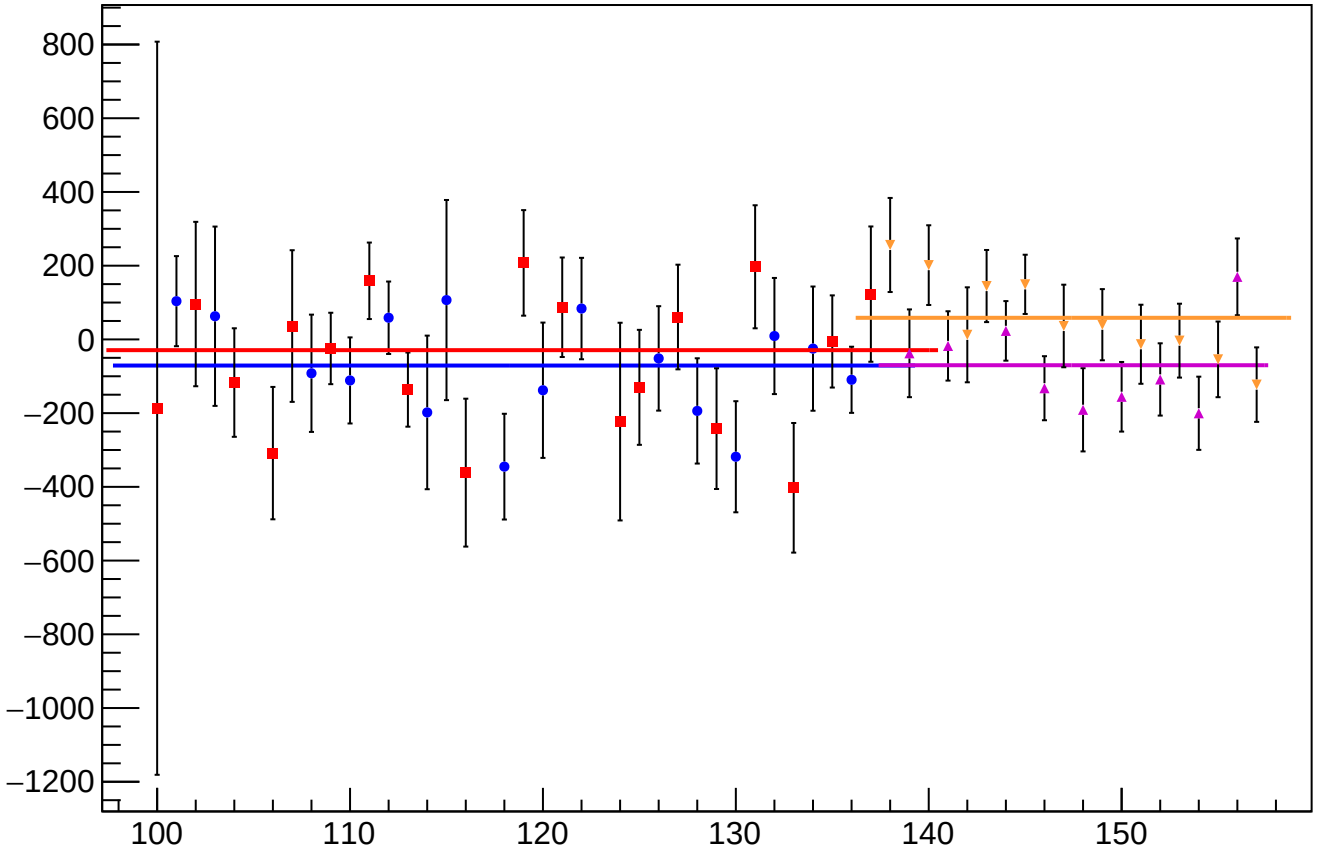
Left In: 831.009+/-0.215 χ^2/NDF:593399.7/8

+ sign 924.909+/-0.171 χ^2/NDF: 2169119.5/26

All: 916.910+/-0.121 χ^2/NDF: 4328770.7/54

- sign 908.845+/-0.171 χ^2/NDF: 2155240.7/27

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 58.601+/-31.113 χ^2/NDF:11.7/10

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

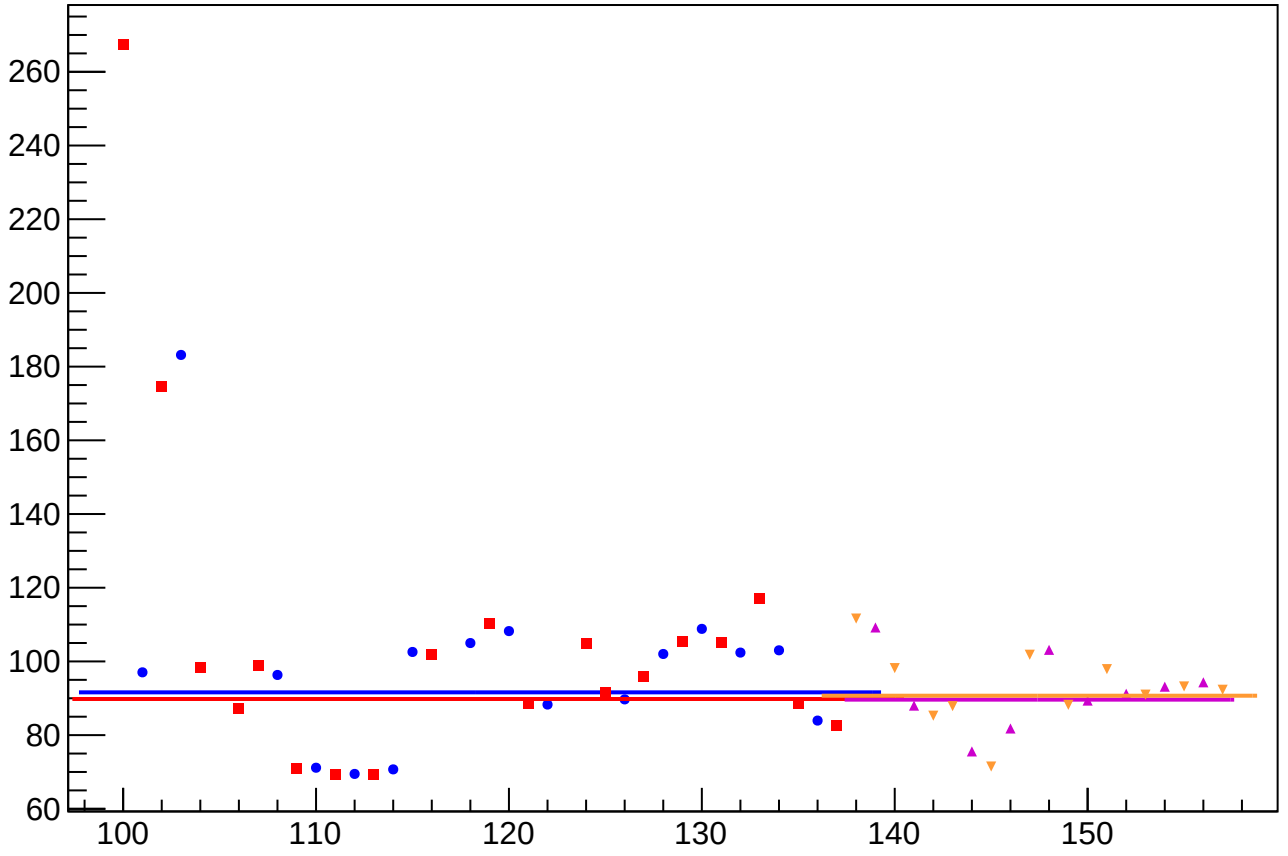
Left In: -70.049+/-32.317 χ^2/NDF:11.4/8

+ sign 1.658+/-23.289 χ^2/NDF: 33.3/26

All: -24.324+/-16.544 χ^2/NDF: 71.9/54

- sign -50.789+/-23.504 χ^2/NDF: 36.1/27

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.696+/-0.022 χ^2/NDF:214857.0/10

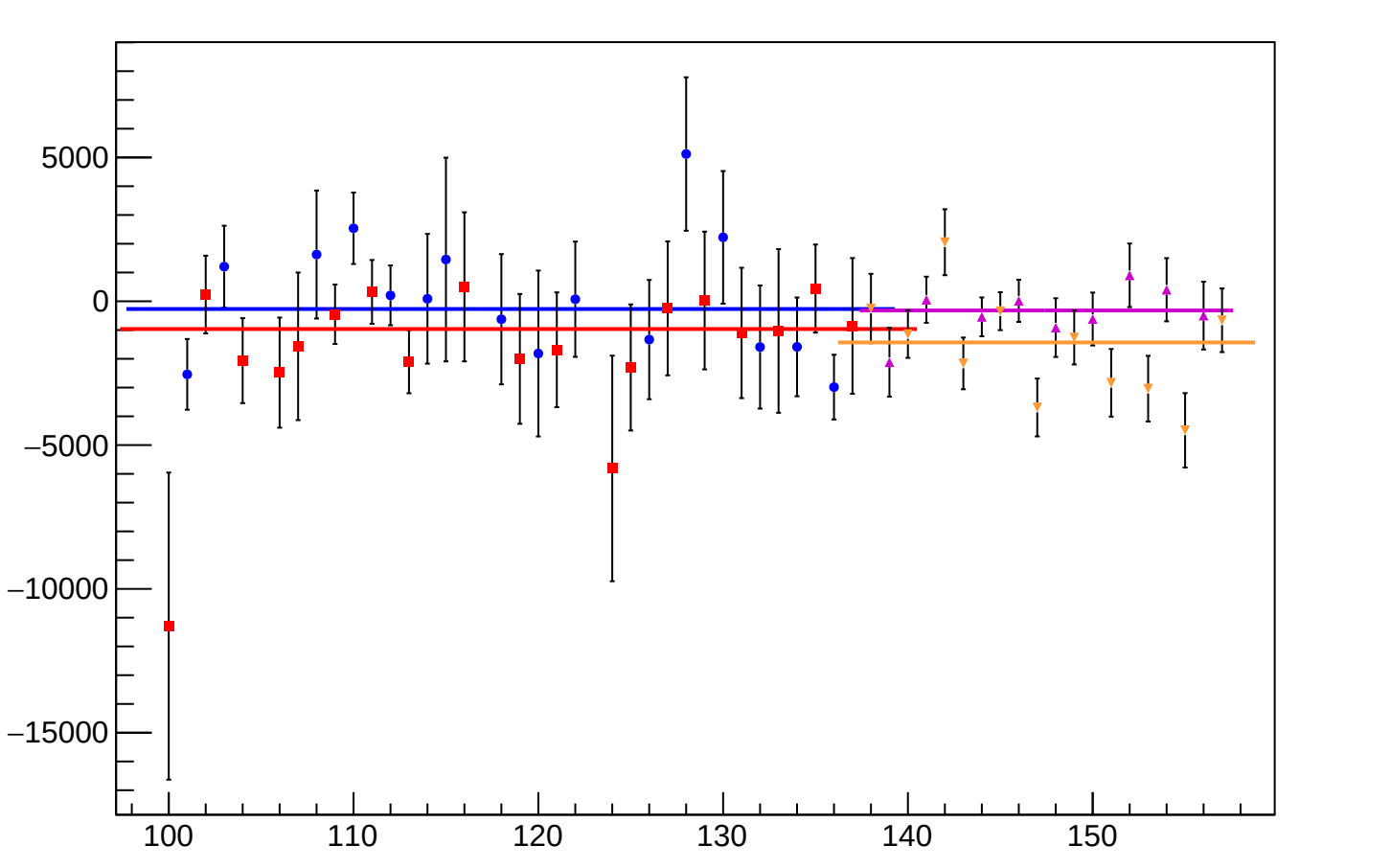
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.629+/-0.023 χ^2/NDF:167262.3/8

+ sign 91.097+/-0.016 χ^2/NDF: 796288.2/26

All: 90.411+/-0.012 χ^2/NDF: 1713913.7/54

- sign 89.713+/-0.017 χ^2/NDF: 914124.4/27



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1431.280+/-295.126 χ^2/NDF:28.3/10

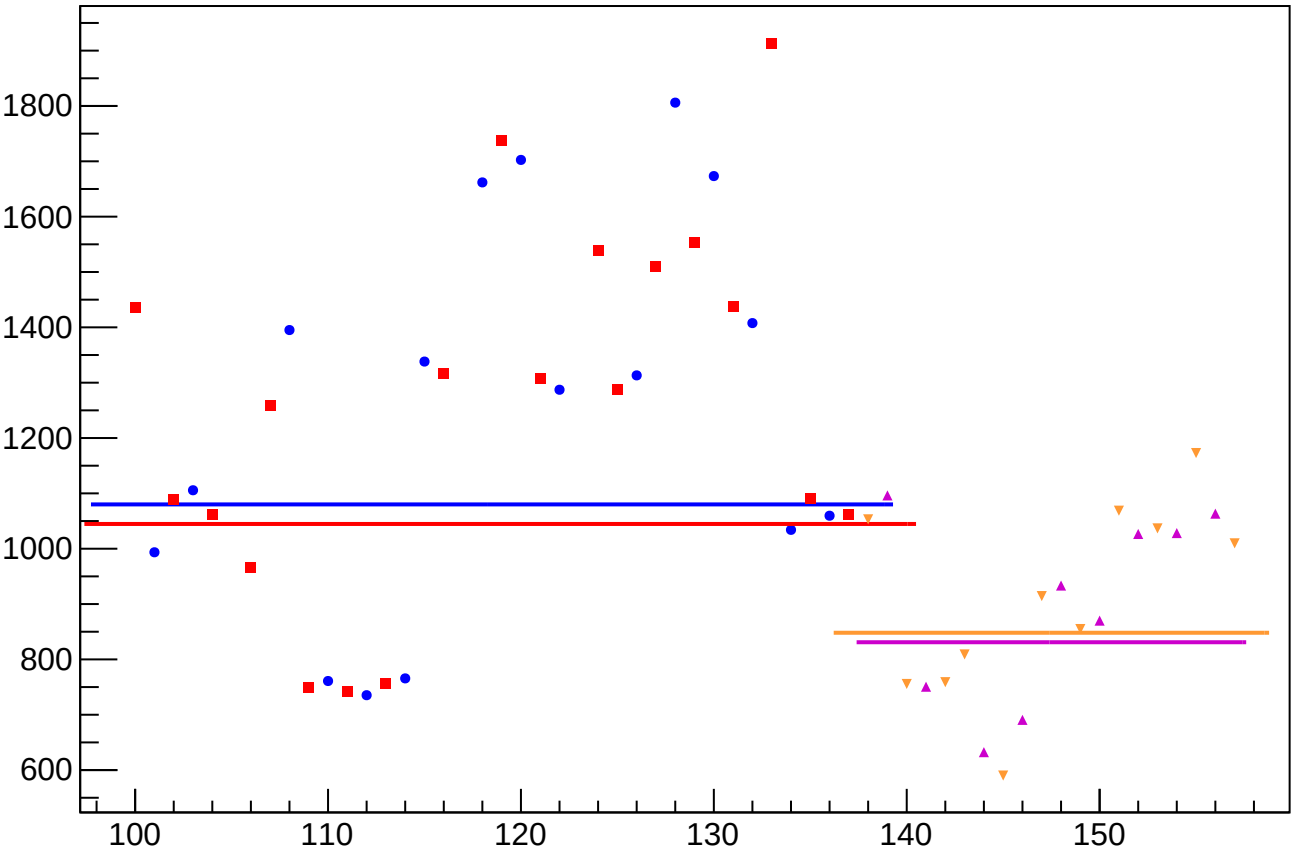
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -319.329+/-303.988 χ^2/NDF:4.9/8

+ sign -1046.413+/-241.392 χ^2/NDF: 56.8/26

All: -801.464+/-171.041 χ^2/NDF: 77.6/54

- sign -554.489+/-242.387 χ^2/NDF: 18.7/27



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 848.152+/-0.209 χ^2/NDF:706913.6/10

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

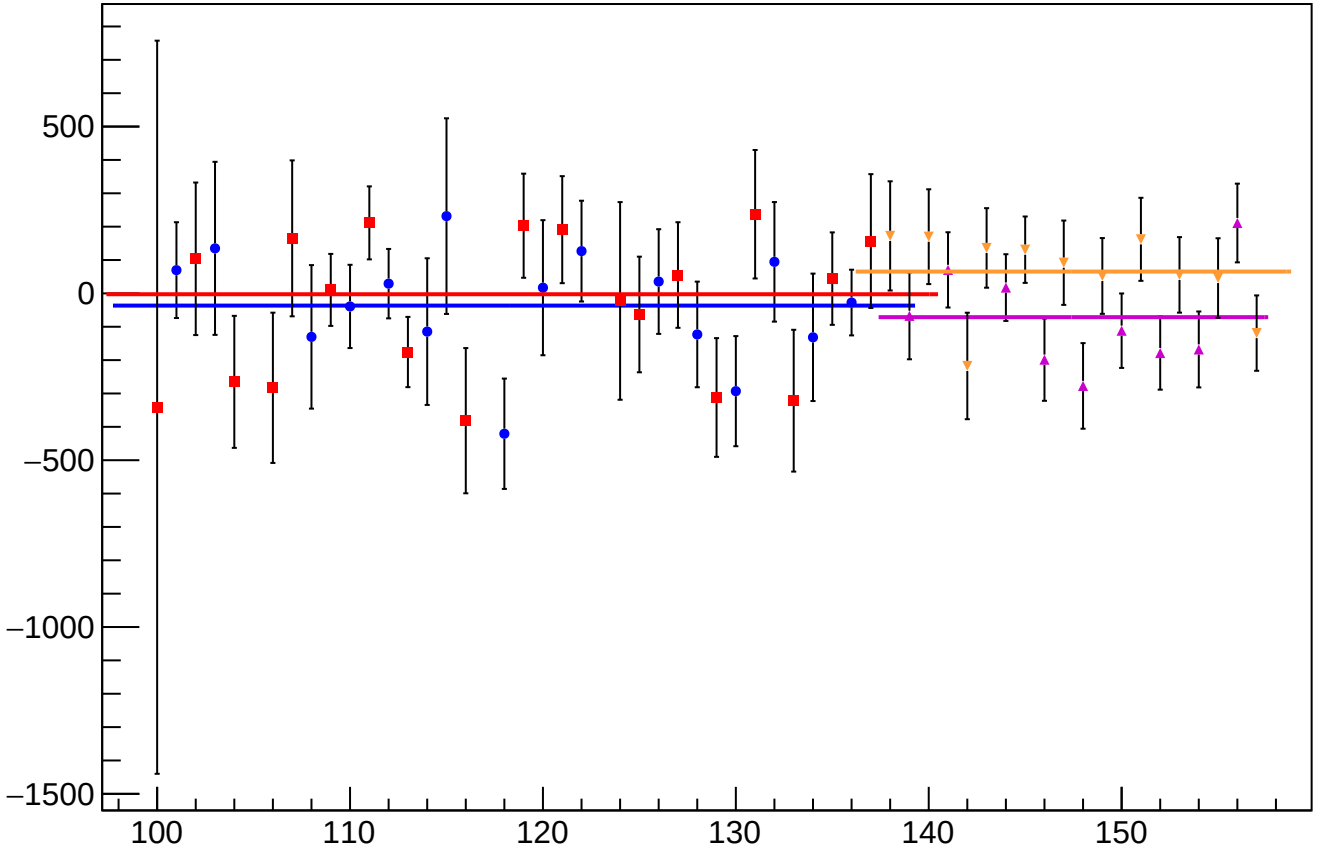
Left In: 831.009+/-0.215 χ^2/NDF:593399.7/8

+ sign 924.909+/-0.171 χ^2/NDF: 2169119.5/26

All: 916.910+/-0.121 χ^2/NDF: 4328770.7/54

- sign 908.845+/-0.171 χ^2/NDF: 2155240.7/27

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.361+/-37.034 χ^2/NDF:8.3/10

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

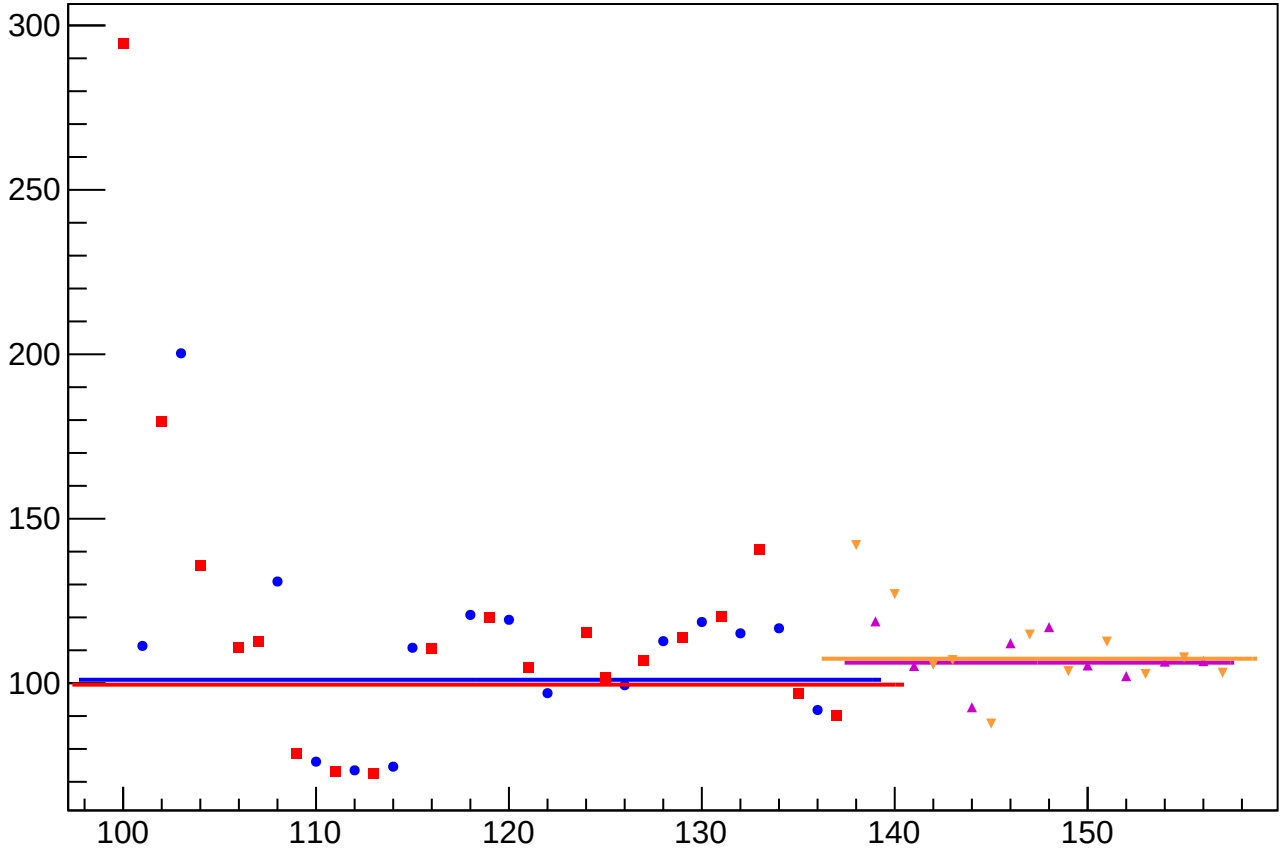
Left In: -71.262+/-38.449 χ^2/NDF:13.6/8

+ sign 17.007+/-26.852 χ^2/NDF: 24.7/26

All: -9.593+/-19.070 χ^2/NDF: 66.6/54

- sign -36.660+/-27.086 χ^2/NDF: 39.9/27

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.433+/-0.026 χ^2/NDF:225034.7/10

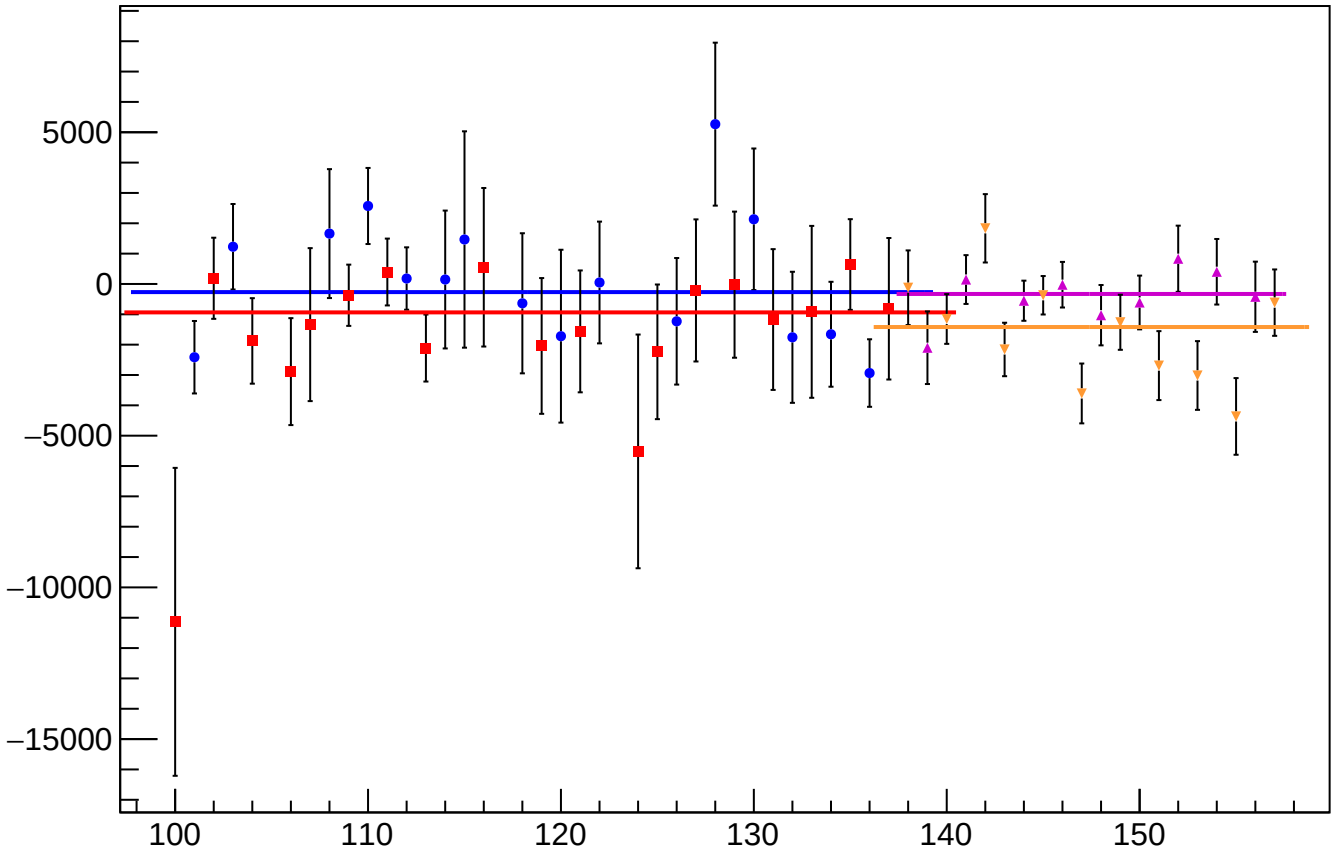
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.235+/-0.027 χ^2/NDF:77278.1/8

+ sign 104.397+/-0.019 χ^2/NDF: 969472.5/26

All: 103.638+/-0.013 χ^2/NDF: 1960949.2/54

- sign 102.866+/-0.019 χ^2/NDF: 988257.0/27



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.044+/-288.996 χ^2/NDF:27.2/10

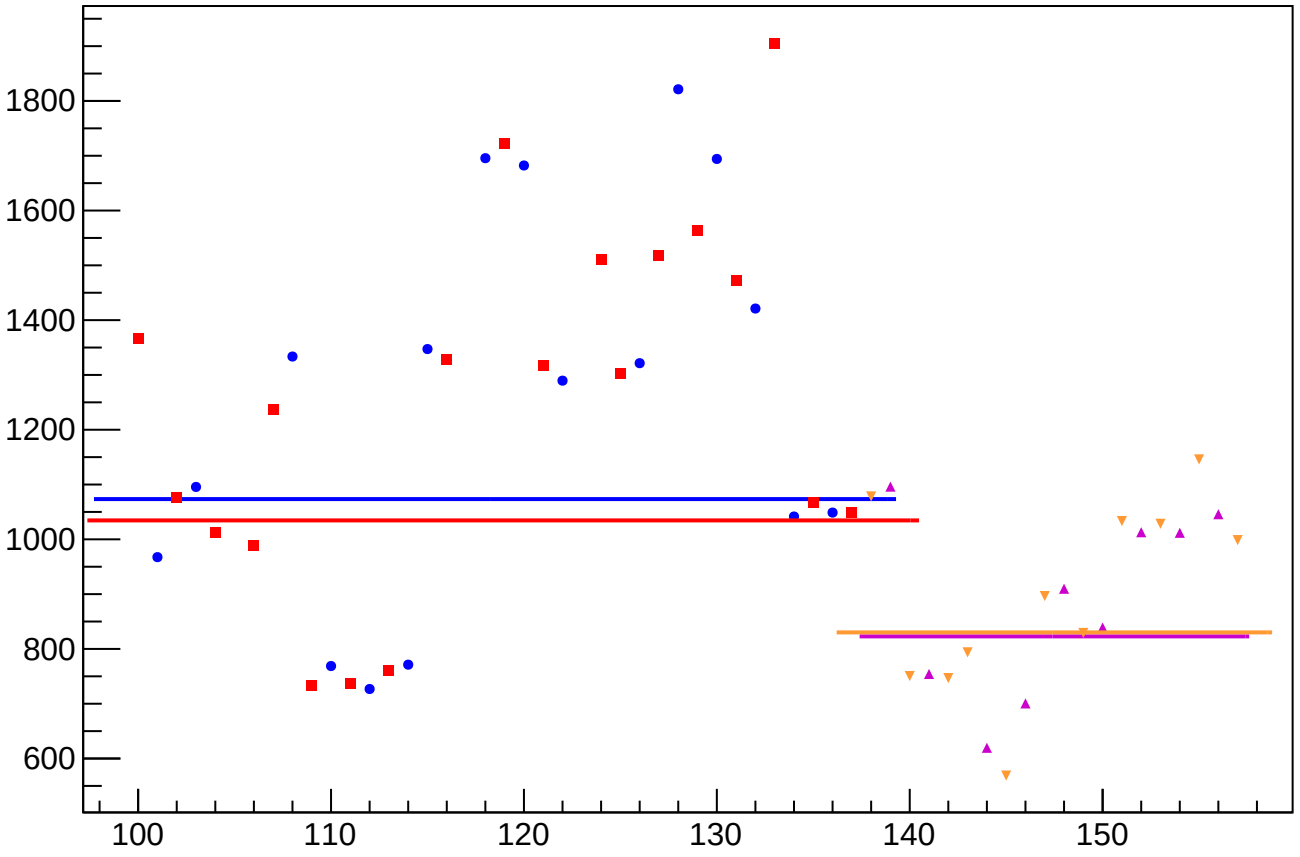
Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: -329.590+/-301.075 χ^2/NDF:5.0/8

+ sign -1045.612+/-237.541 χ^2/NDF: 55.8/26

All: -800.975+/-168.733 χ^2/NDF: 77.6/54

- sign -551.822+/-239.723 χ^2/NDF: 19.6/27



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 830.180+/-0.204 χ^2/NDF:760956.3/10

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

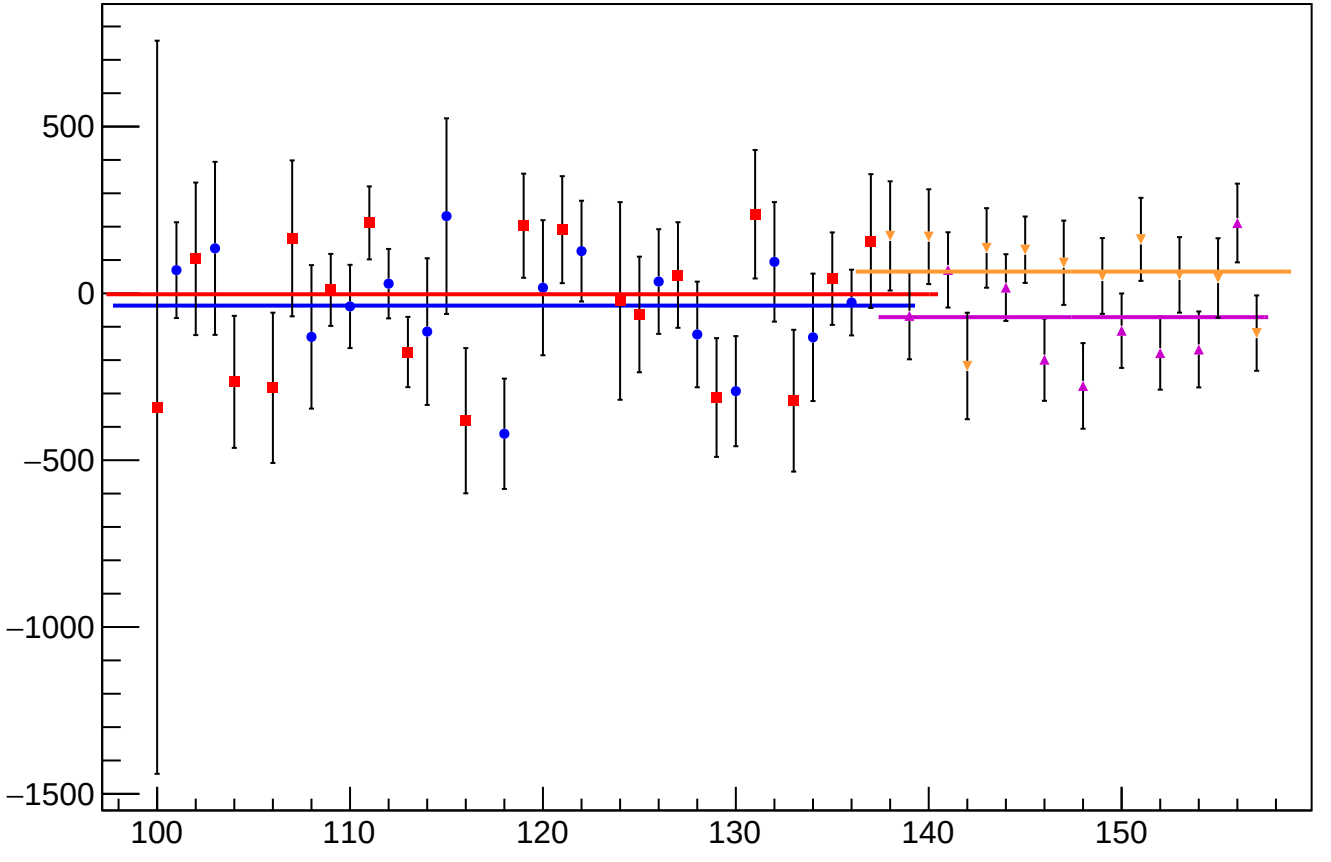
Left In: 822.898+/-0.213 χ^2/NDF:573087.3/8

+ sign 909.098+/-0.168 χ^2/NDF: 2297758.1/26

All: 904.771+/-0.119 χ^2/NDF: 4463253.1/54

- sign 900.363+/-0.170 χ^2/NDF: 2164155.2/27

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.362+/-37.034 χ^2/NDF:8.3/10

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

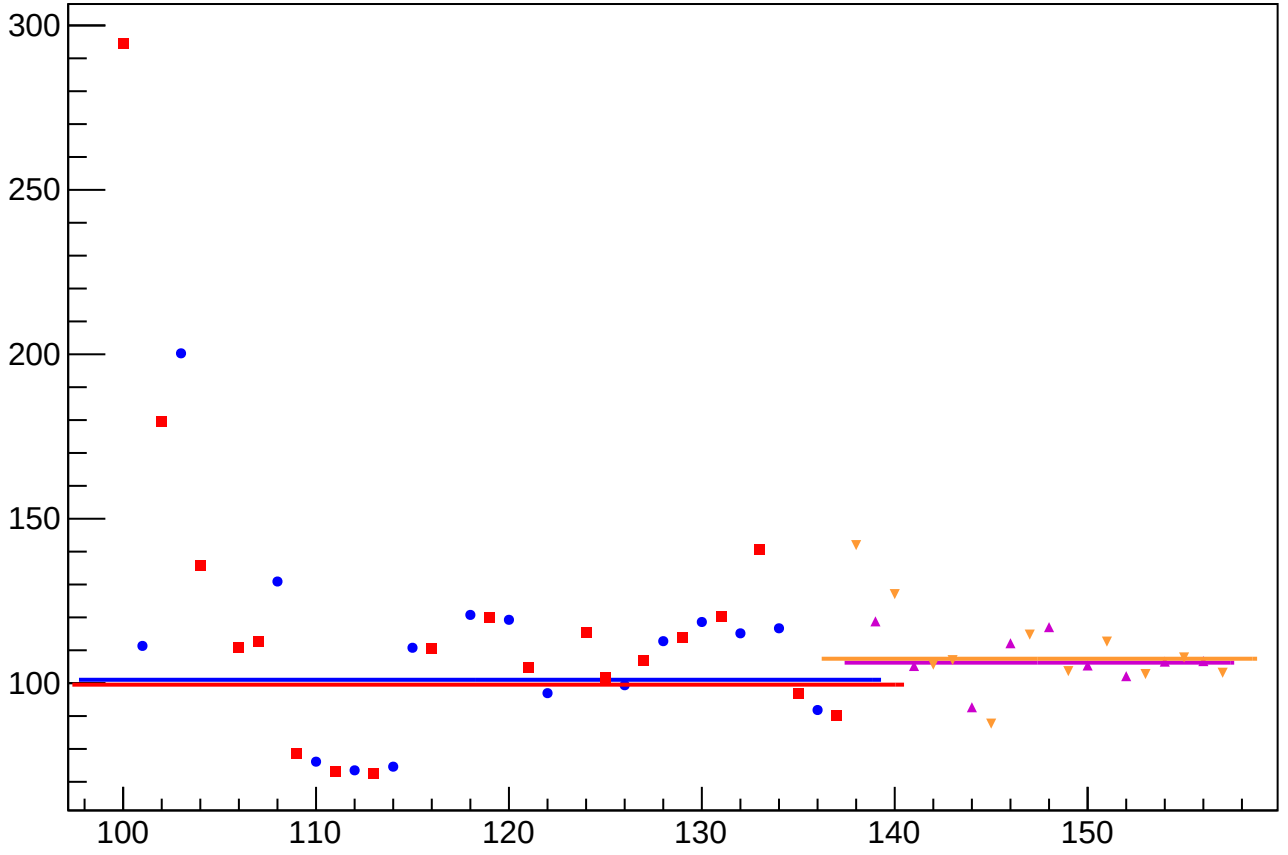
Left In: -71.263+/-38.449 χ^2/NDF:13.6/8

+ sign 17.008+/-26.852 χ^2/NDF: 24.7/26

All: -9.593+/-19.070 χ^2/NDF: 66.6/54

- sign -36.659+/-27.087 χ^2/NDF: 39.9/27

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.433+/-0.026 χ^2/NDF:225027.6/10

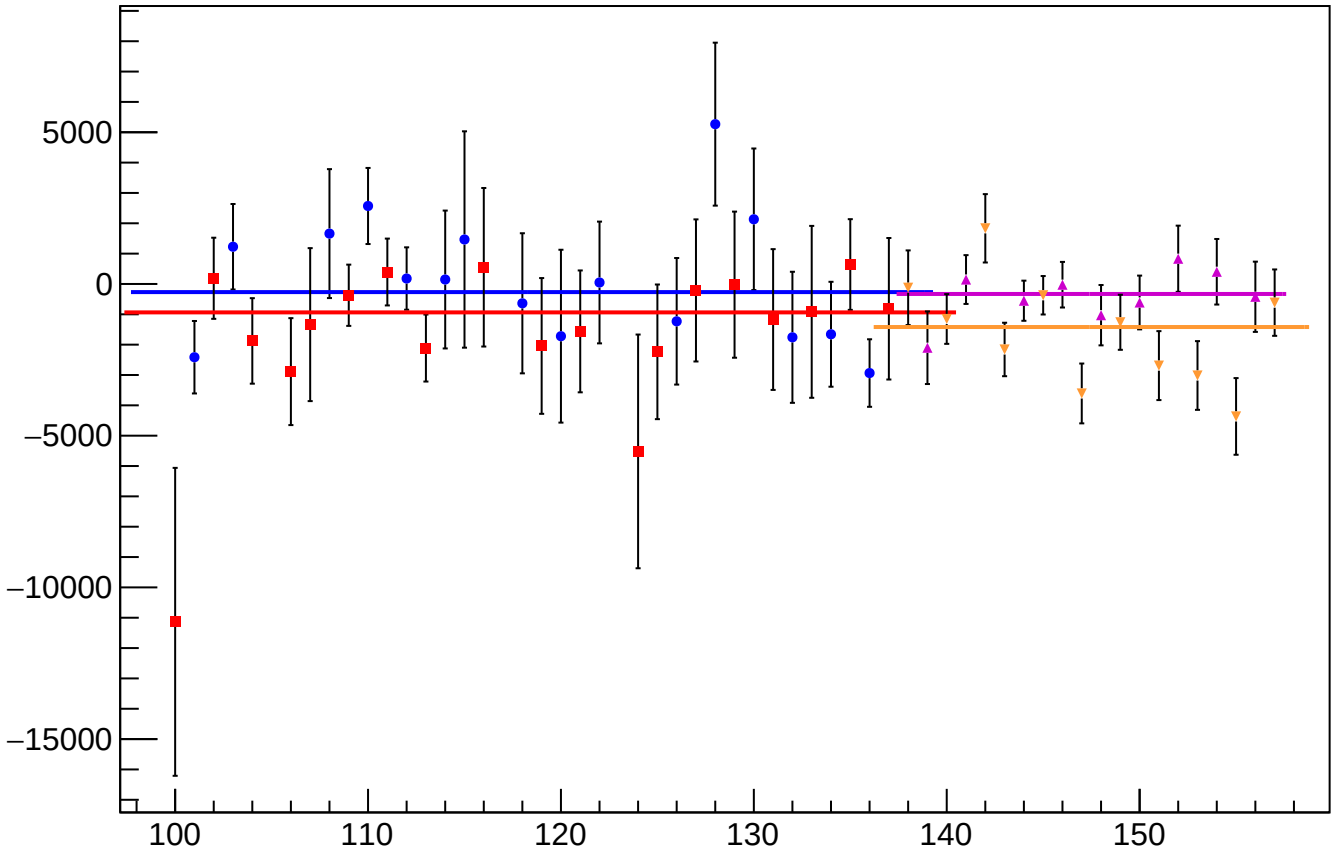
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.236+/-0.027 χ^2/NDF:77275.2/8

+ sign 104.397+/-0.019 χ^2/NDF: 969467.5/26

All: 103.638+/-0.013 χ^2/NDF: 1960946.4/54

- sign 102.867+/-0.019 χ^2/NDF: 988259.1/27



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1419.043+/-288.996 χ^2/NDF:27.2/10

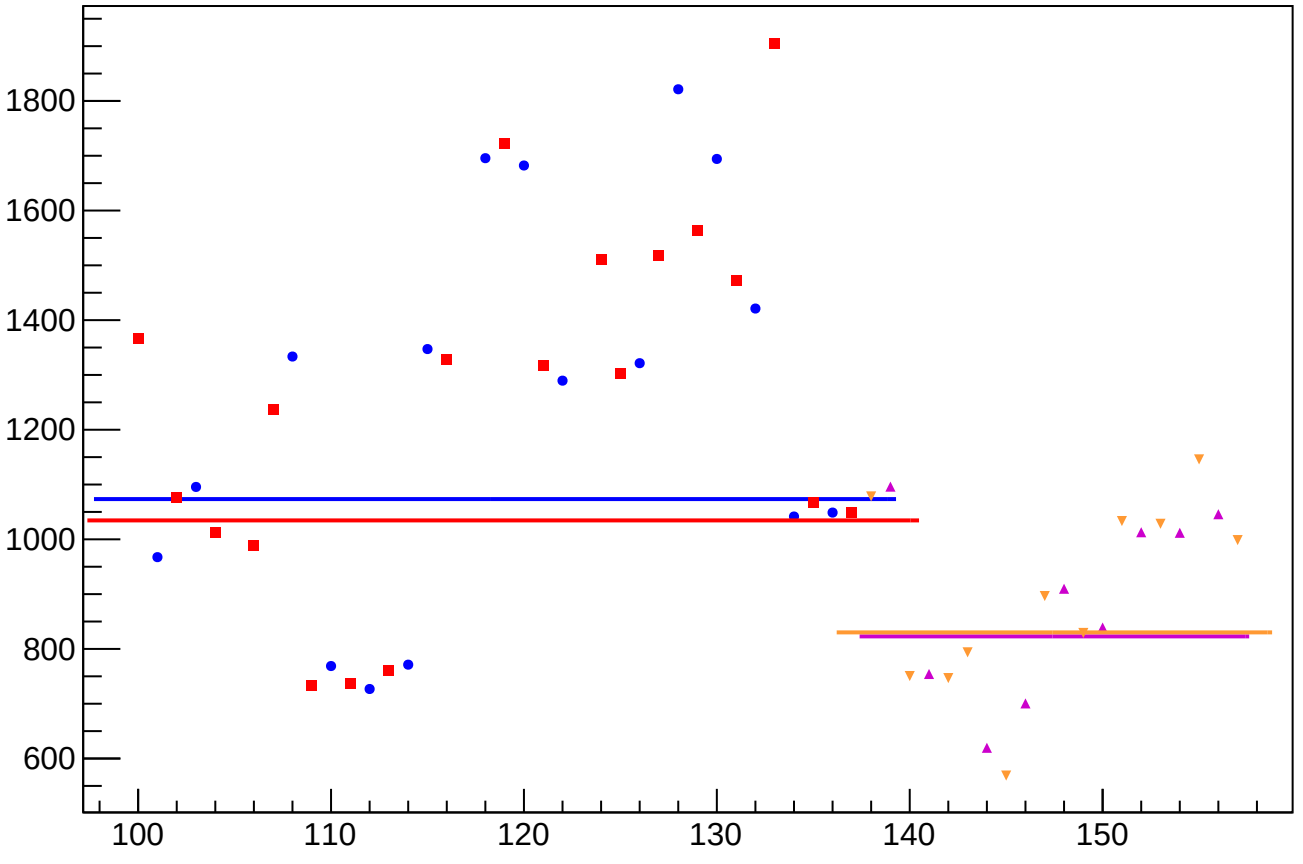
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -329.589+/-301.075 χ^2/NDF:5.0/8

+ sign -1045.611+/-237.540 χ^2/NDF: 55.8/26

All: -800.974+/-168.733 χ^2/NDF: 77.6/54

- sign -551.821+/-239.723 χ^2/NDF: 19.6/27



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 830.179+/-0.204 χ^2/NDF:760959.4/10

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

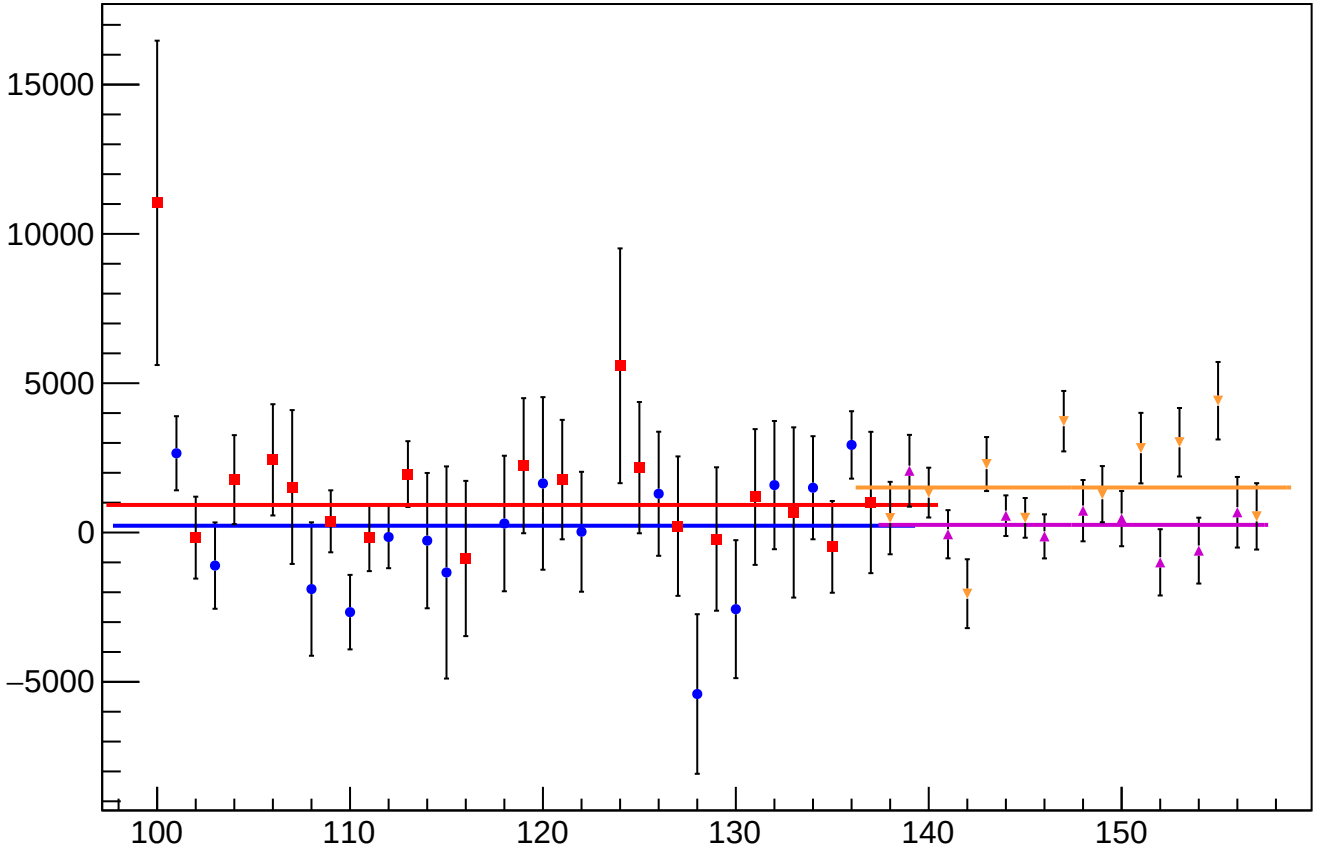
Left In: 822.897+/-0.213 χ^2/NDF:573086.5/8

+ sign 909.097+/-0.168 χ^2/NDF: 2297765.8/26

All: 904.769+/-0.119 χ^2/NDF: 4463260.4/54

- sign 900.362+/-0.170 χ^2/NDF: 2164155.0/27

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1507.963+/-296.932 χ^2/NDF:27.0/10

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

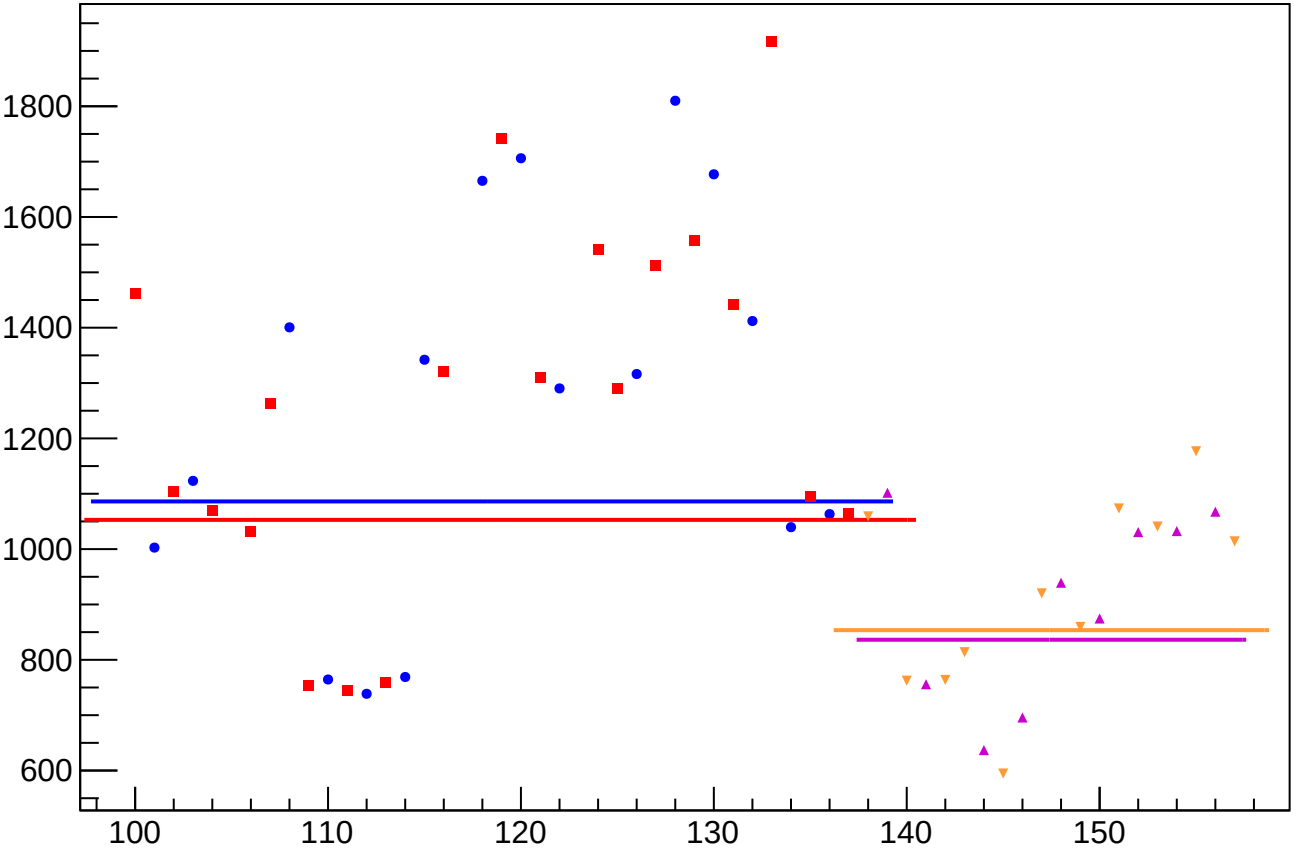
Left In: 256.225+/-305.836 χ^2/NDF:5.2/8

+ sign 1083.724+/-242.810 χ^2/NDF: 57.6/26

All: 792.895+/-171.988 χ^2/NDF: 78.6/54

- sign 500.059+/-243.647 χ^2/NDF: 18.1/27

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 853.586+/-0.210 χ^2/NDF:698043.8/10

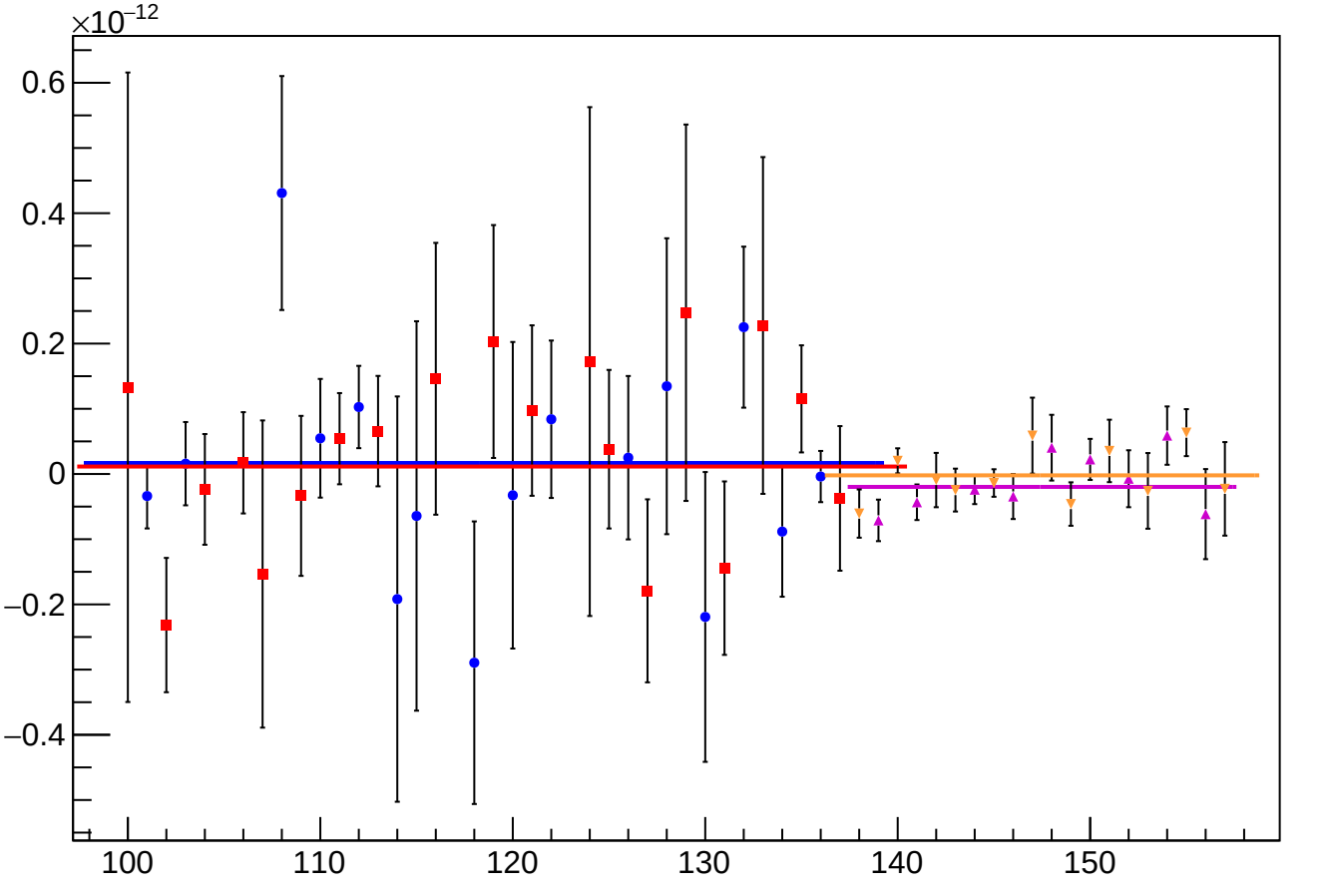
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

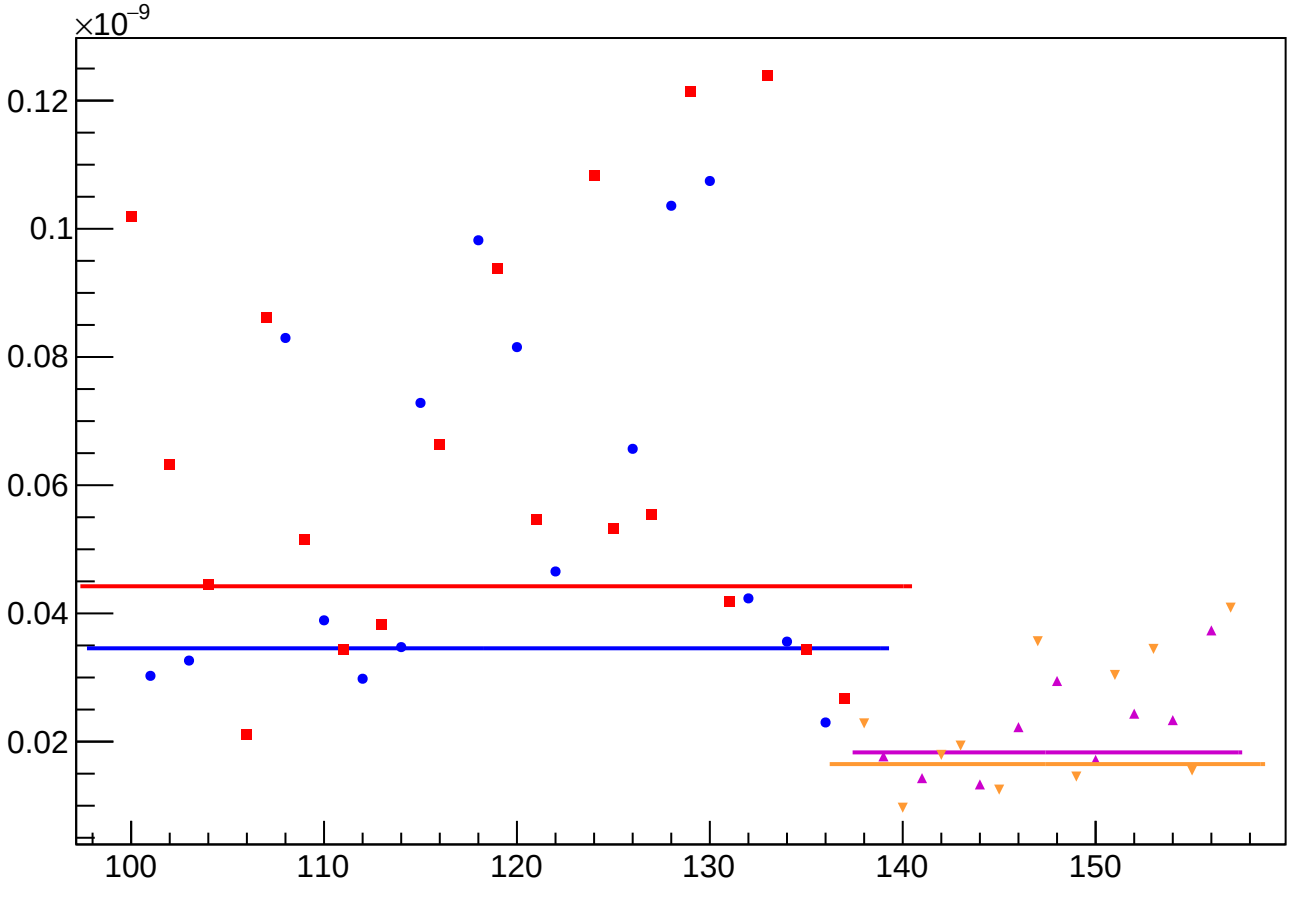
Left In: 836.281+/-0.216 χ^2/NDF:586330.4/8

+ sign 930.634+/-0.172 χ^2/NDF: 2151963.3/26

All: 923.040+/-0.122 χ^2/NDF: 4302960.8/54

- sign 915.394+/-0.172 χ^2/NDF: 2147071.6/27


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.7/10
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/18
Left In: -0.000+/-0.000 χ²/NDF:10.3/8
+ sign 0.000+/-0.000 χ²/NDF: 29.2/26
All: -0.000+/-0.000 χ²/NDF: 57.9/54
- sign -0.000+/-0.000 χ²/NDF: 27.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1215910.5/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

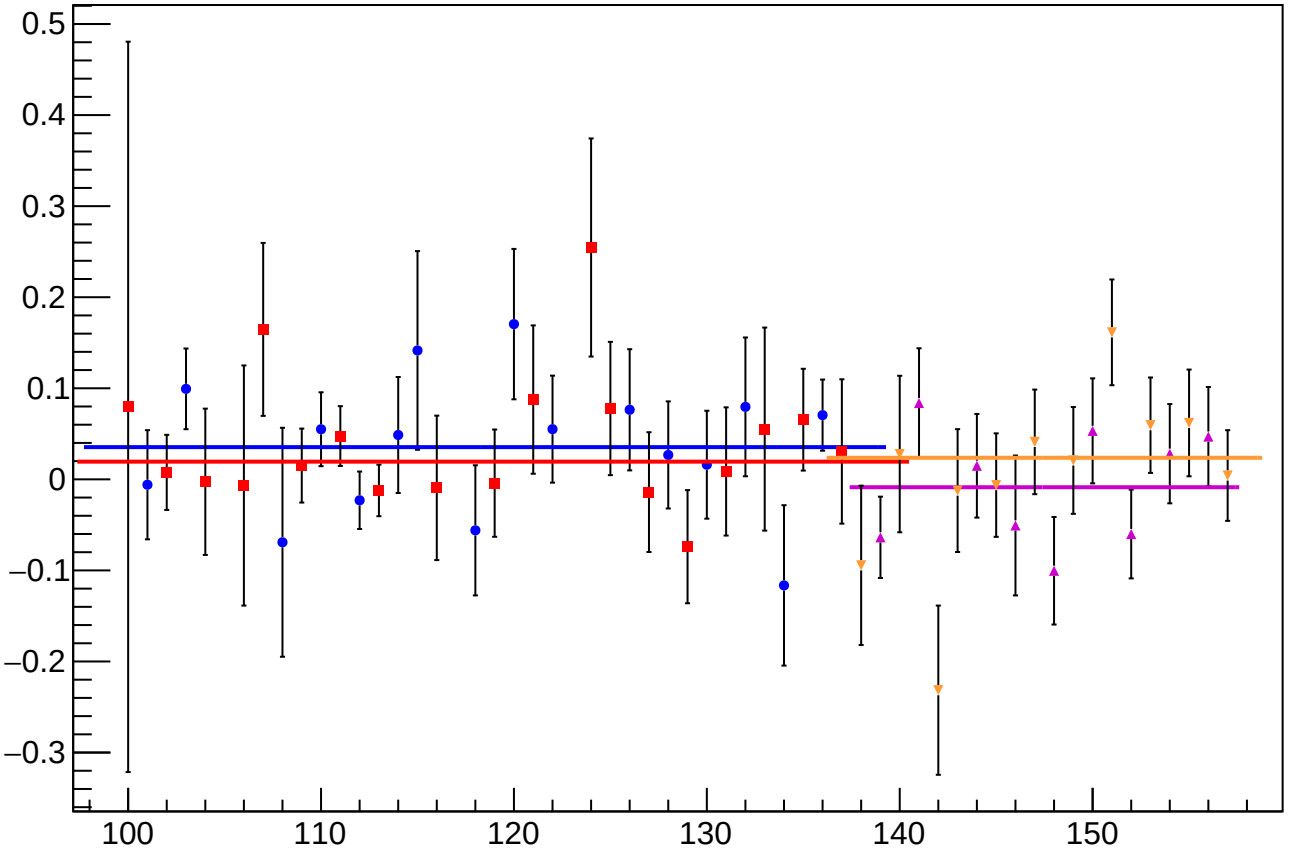
Left In: 0.000+/-0.000 χ^2/NDF:487731.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 3538963.9/26

All: 0.000+/-0.000 χ^2/NDF: 6749241.6/54

- sign 0.000+/-0.000 χ^2/NDF: 3139579.4/27

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

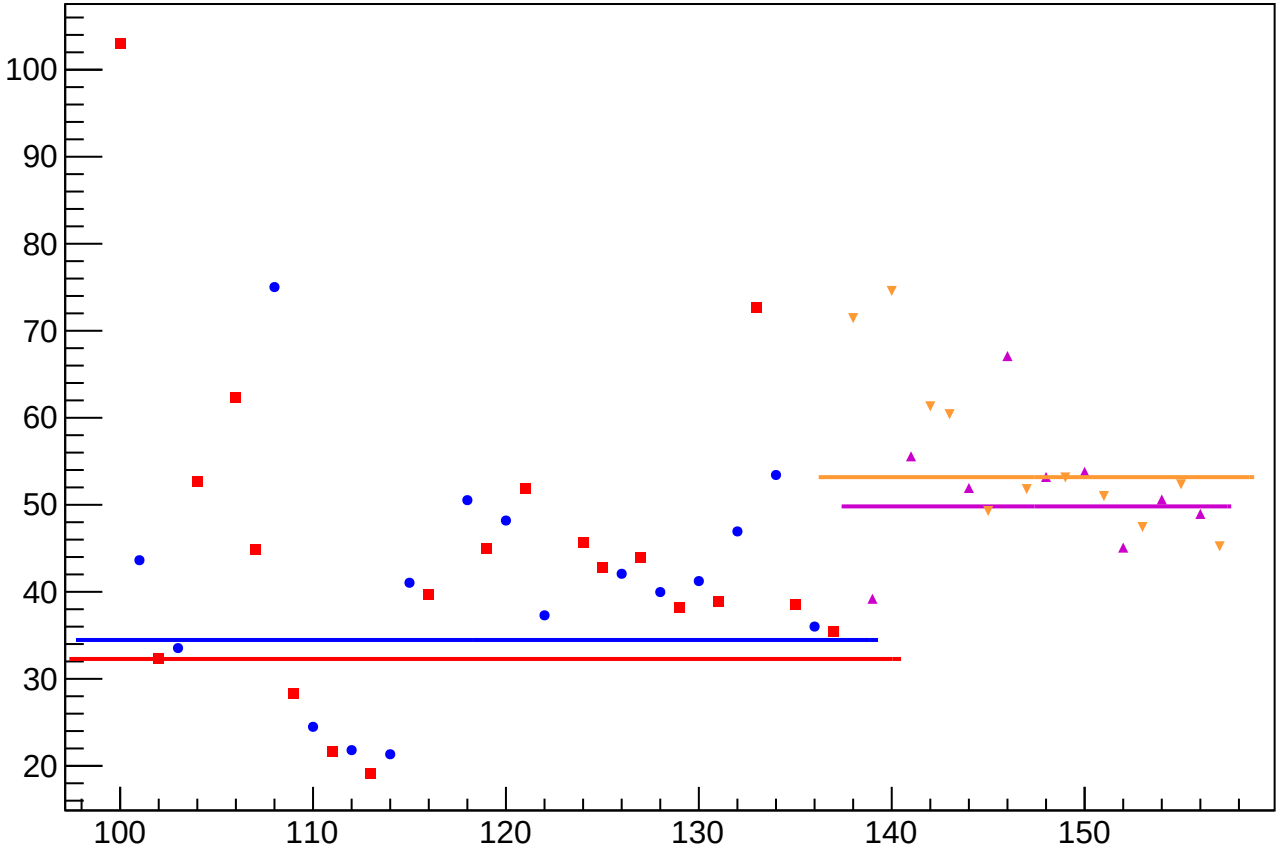
Left In: -0.009+/-0.018 χ^2/NDF:10.5/8

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.020+/-0.008 χ^2/NDF: 61.2/54

- sign 0.010+/-0.011 χ^2/NDF: 25.5/27

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 53.180+/-0.013 χ^2/NDF:338287.0/10

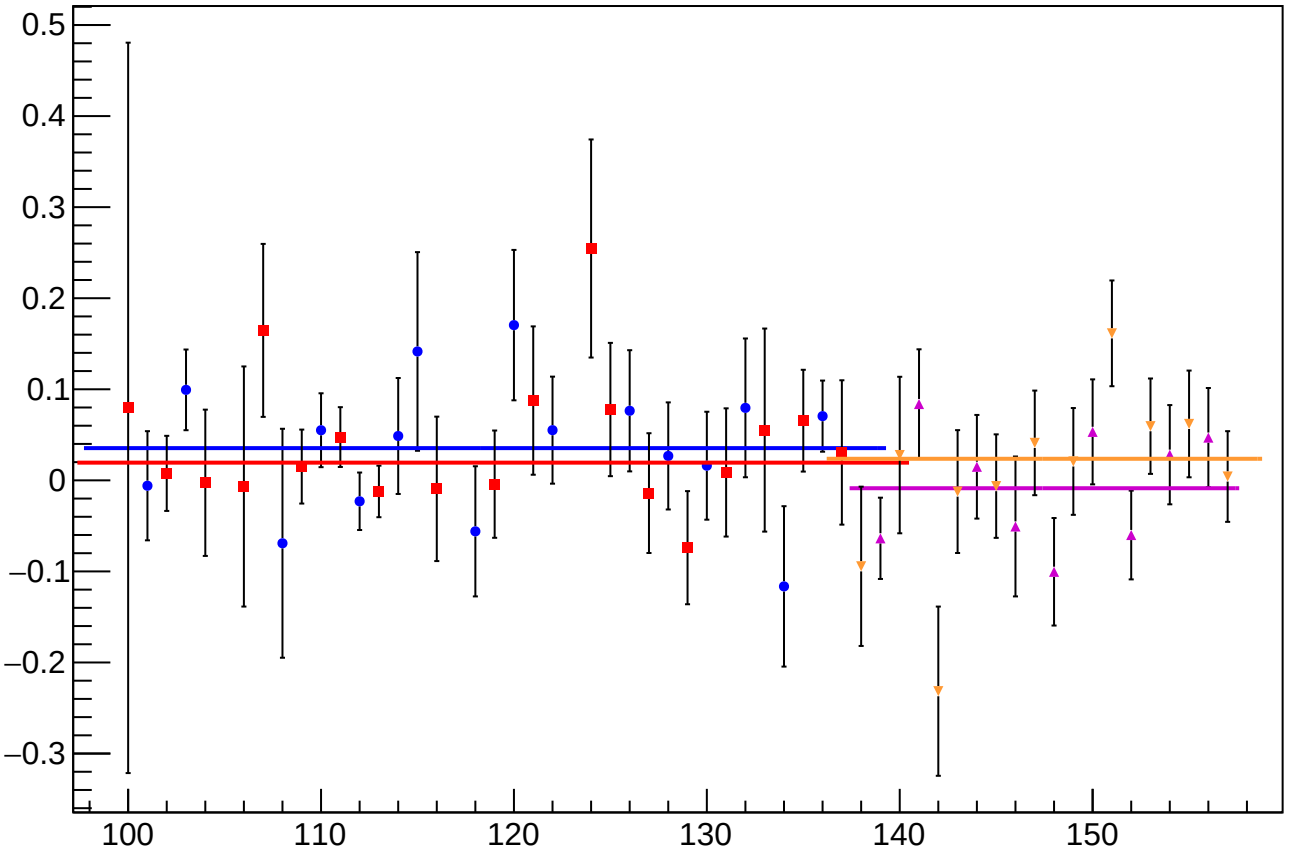
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.818+/-0.013 χ^2/NDF:271245.1/8

+ sign 41.124+/-0.008 χ^2/NDF: 2800333.1/26

All: 39.589+/-0.005 χ^2/NDF: 6016964.1/54

- sign 38.178+/-0.008 χ^2/NDF: 3143910.7/27



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

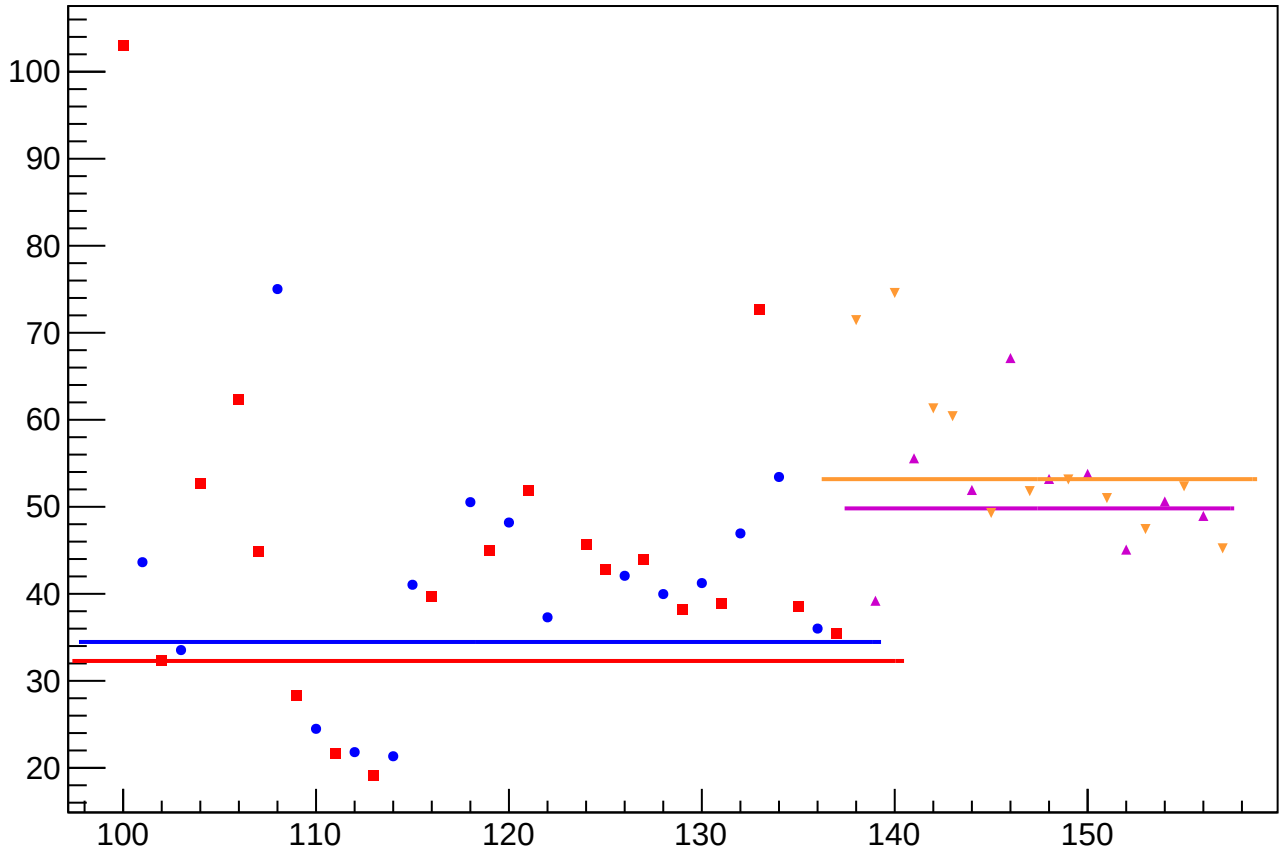
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.009+/-0.018 χ^2/NDF:10.5/8

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.020+/-0.008 χ^2/NDF: 61.2/54

- sign 0.010+/-0.011 χ^2/NDF: 25.5/27



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 53.180+/-0.013 χ^2/NDF:338287.0/10

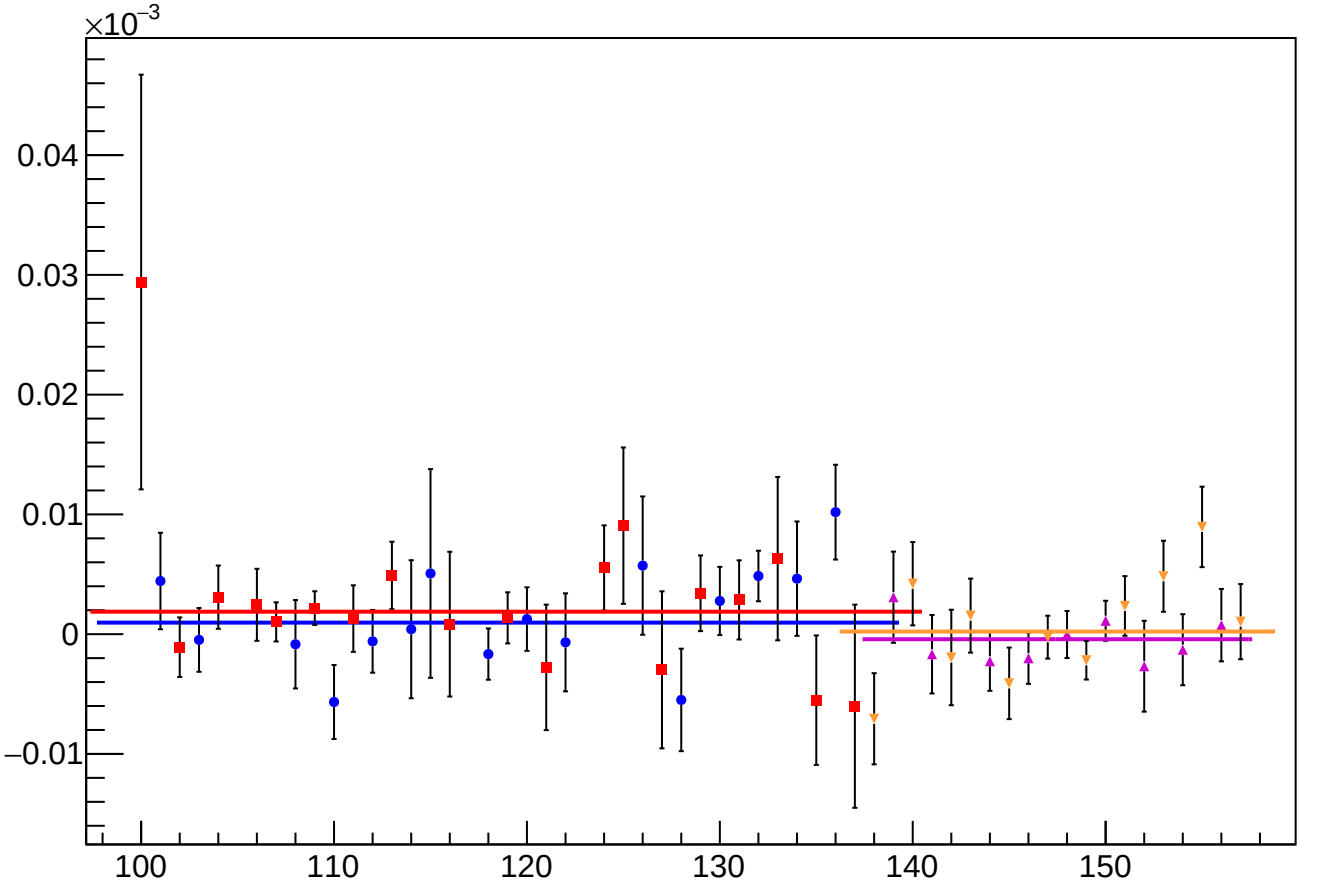
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.818+/-0.013 χ^2/NDF:271245.1/8

+ sign 41.124+/-0.008 χ^2/NDF: 2800333.1/26

All: 39.589+/-0.005 χ^2/NDF: 6016964.1/54

- sign 38.178+/-0.008 χ^2/NDF: 3143910.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/10

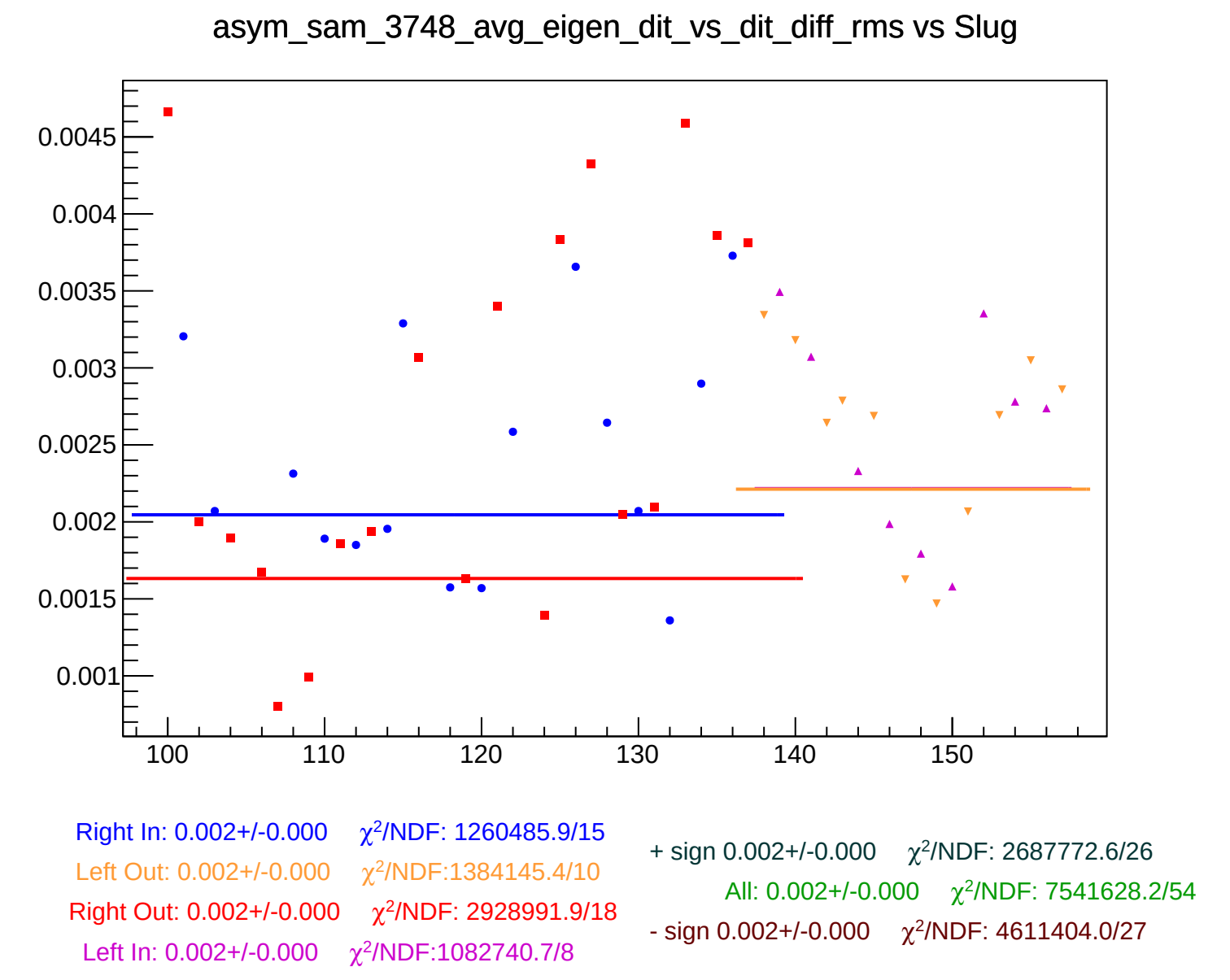
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

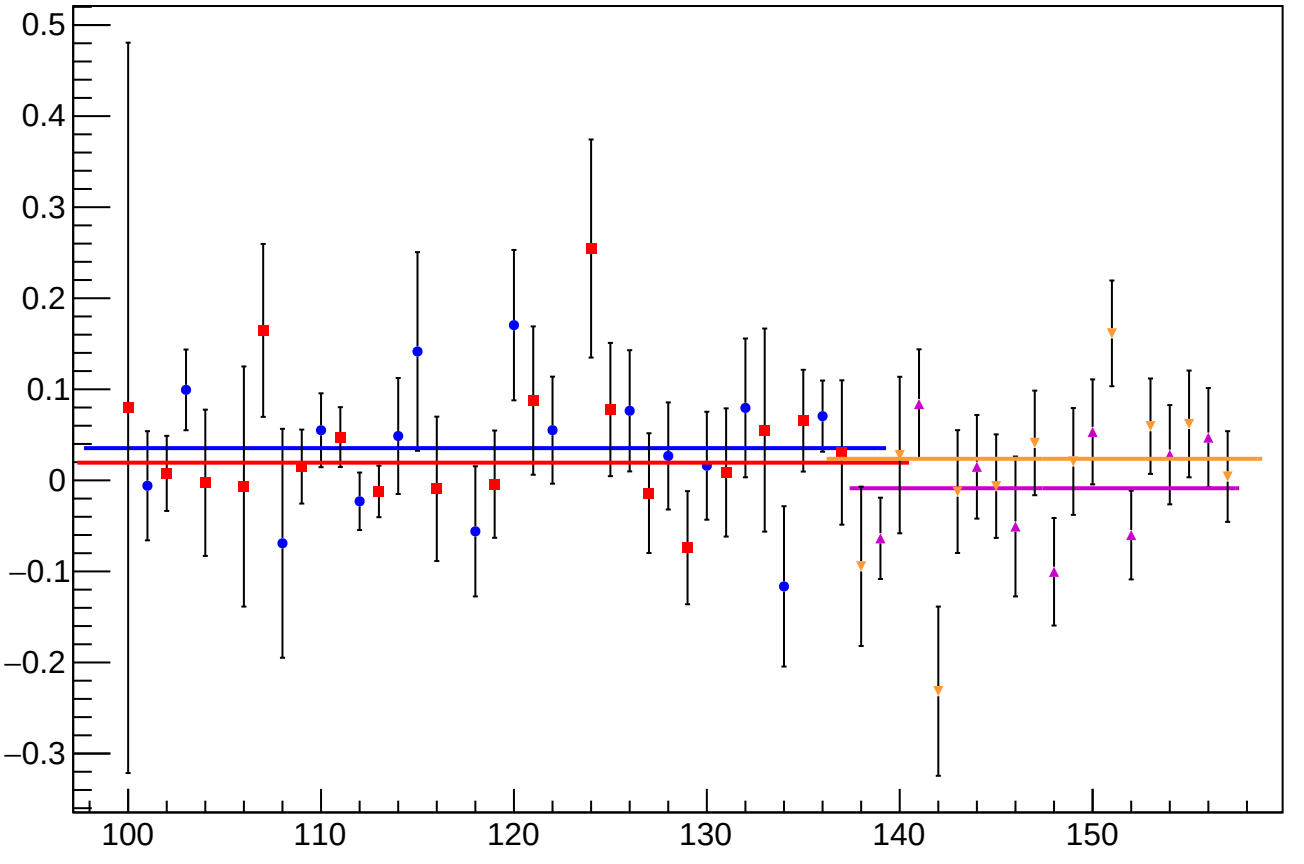
Left In: -0.000+/-0.000 χ^2/NDF:3.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/26

All: 0.000+/-0.000 χ^2/NDF: 62.6/54

- sign 0.000+/-0.000 χ^2/NDF: 21.1/27


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1384145.4/10
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1082740.7/8
+ sign 0.002+/-0.000 χ²/NDF: 2687772.6/26
All: 0.002+/-0.000 χ²/NDF: 7541628.2/54
- sign 0.002+/-0.000 χ²/NDF: 4611404.0/27



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

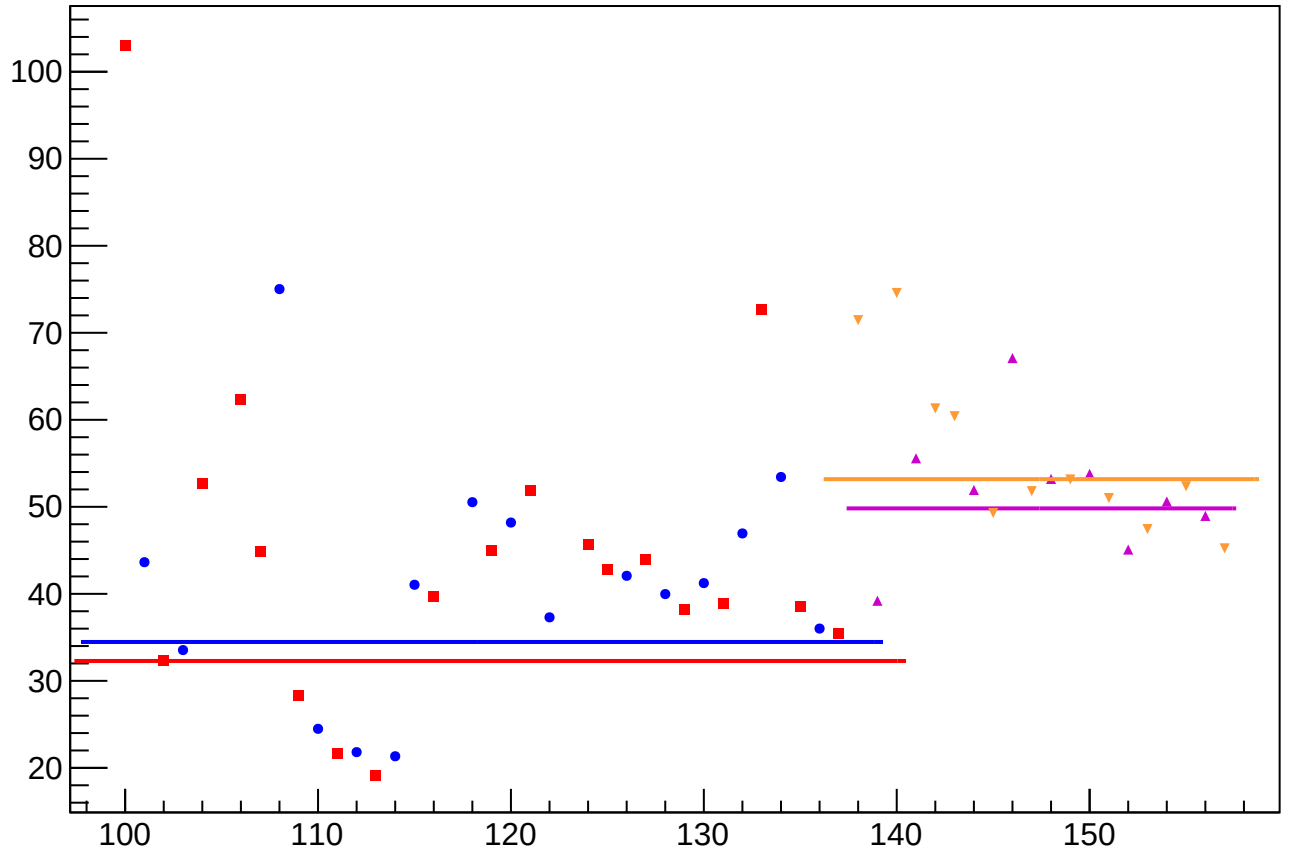
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.009+/-0.018 χ^2/NDF:10.5/8

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.020+/-0.008 χ^2/NDF: 61.2/54

- sign 0.010+/-0.011 χ^2/NDF: 25.5/27



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 53.181+/-0.013 χ^2/NDF:338262.2/10

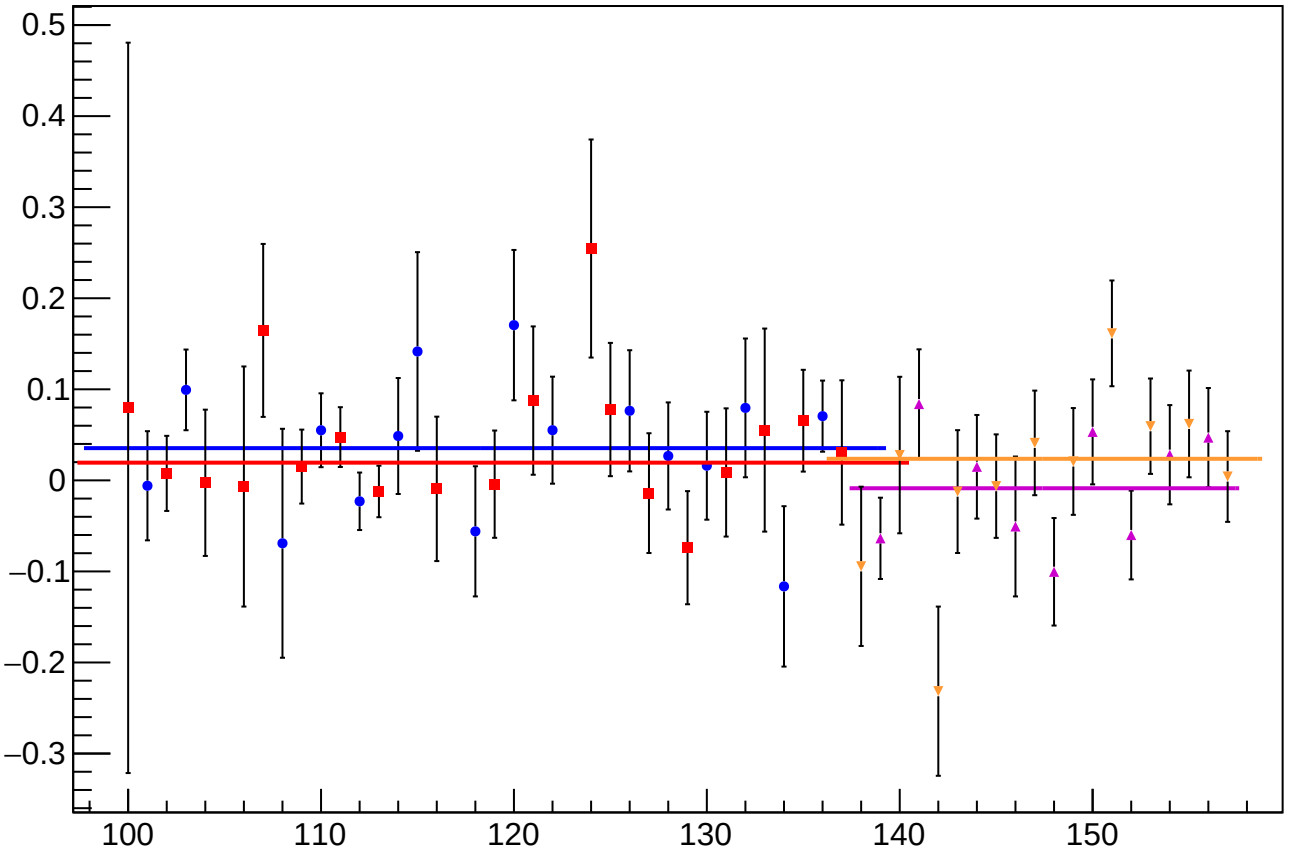
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.819+/-0.013 χ^2/NDF:271254.7/8

+ sign 41.124+/-0.008 χ^2/NDF: 2800320.1/26

All: 39.590+/-0.005 χ^2/NDF: 6016950.4/54

- sign 38.179+/-0.008 χ^2/NDF: 3143909.3/27



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.024+/-0.019 χ^2/NDF:16.7/10

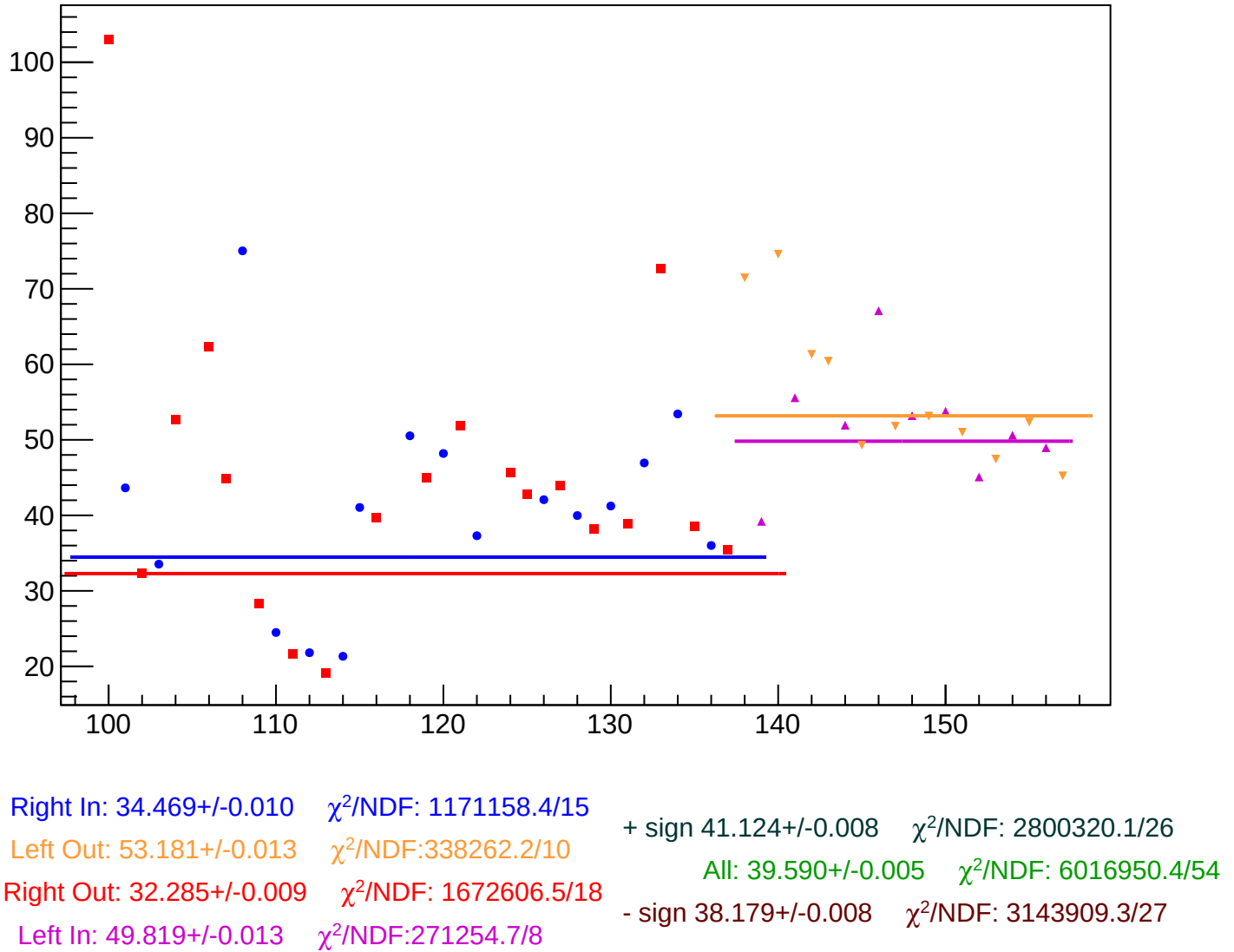
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

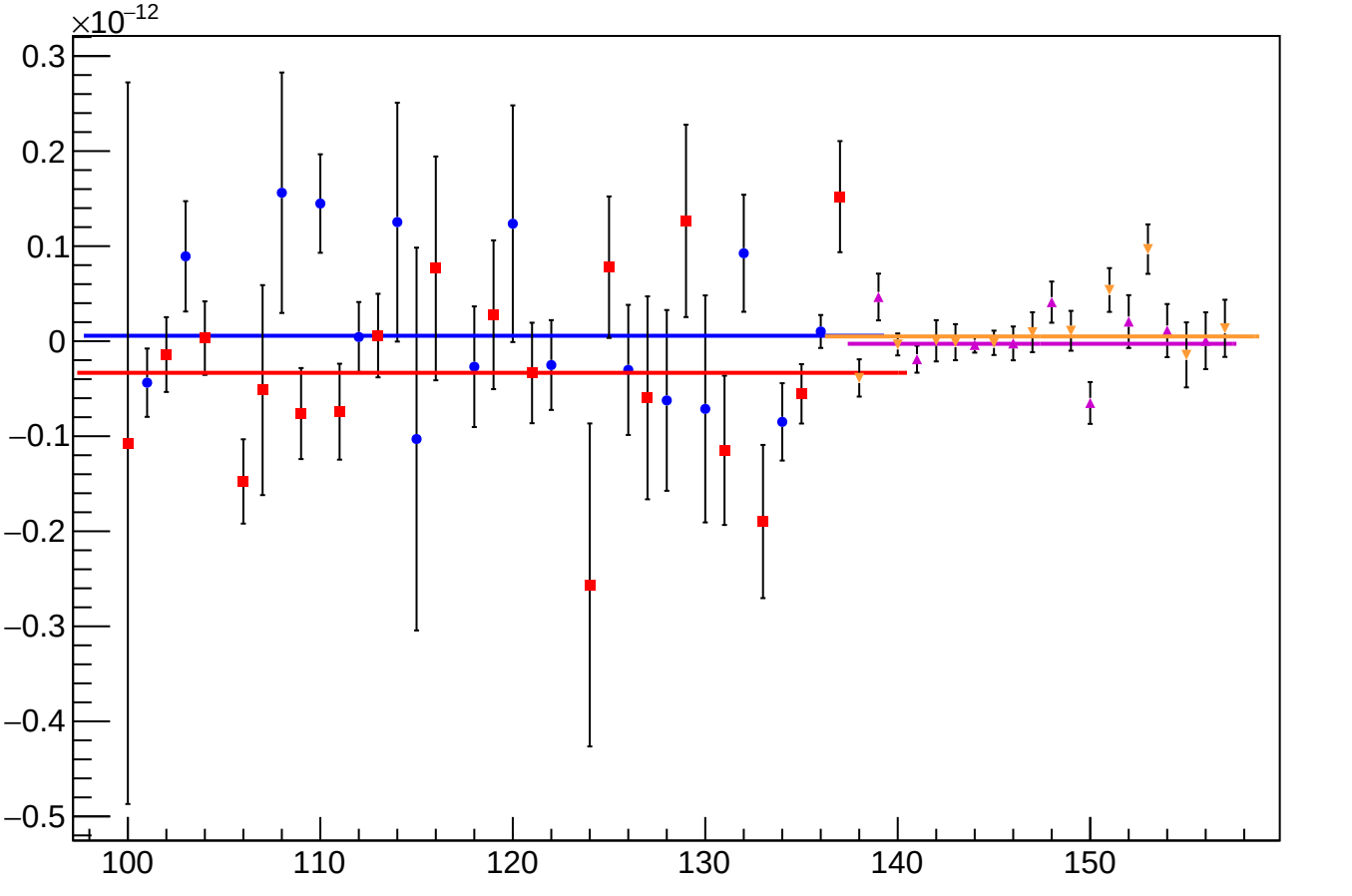
Left In: -0.009+/-0.018 χ^2/NDF:10.5/8

+ sign 0.031+/-0.011 χ^2/NDF: 33.9/26

All: 0.020+/-0.008 χ^2/NDF: 61.2/54

- sign 0.010+/-0.011 χ^2/NDF: 25.5/27


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 53.181+/-0.013 χ²/NDF:338262.2/10
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.819+/-0.013 χ²/NDF:271254.7/8
+ sign 41.124+/-0.008 χ²/NDF: 2800320.1/26
All: 39.590+/-0.005 χ²/NDF: 6016950.4/54
- sign 38.179+/-0.008 χ²/NDF: 3143909.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/10

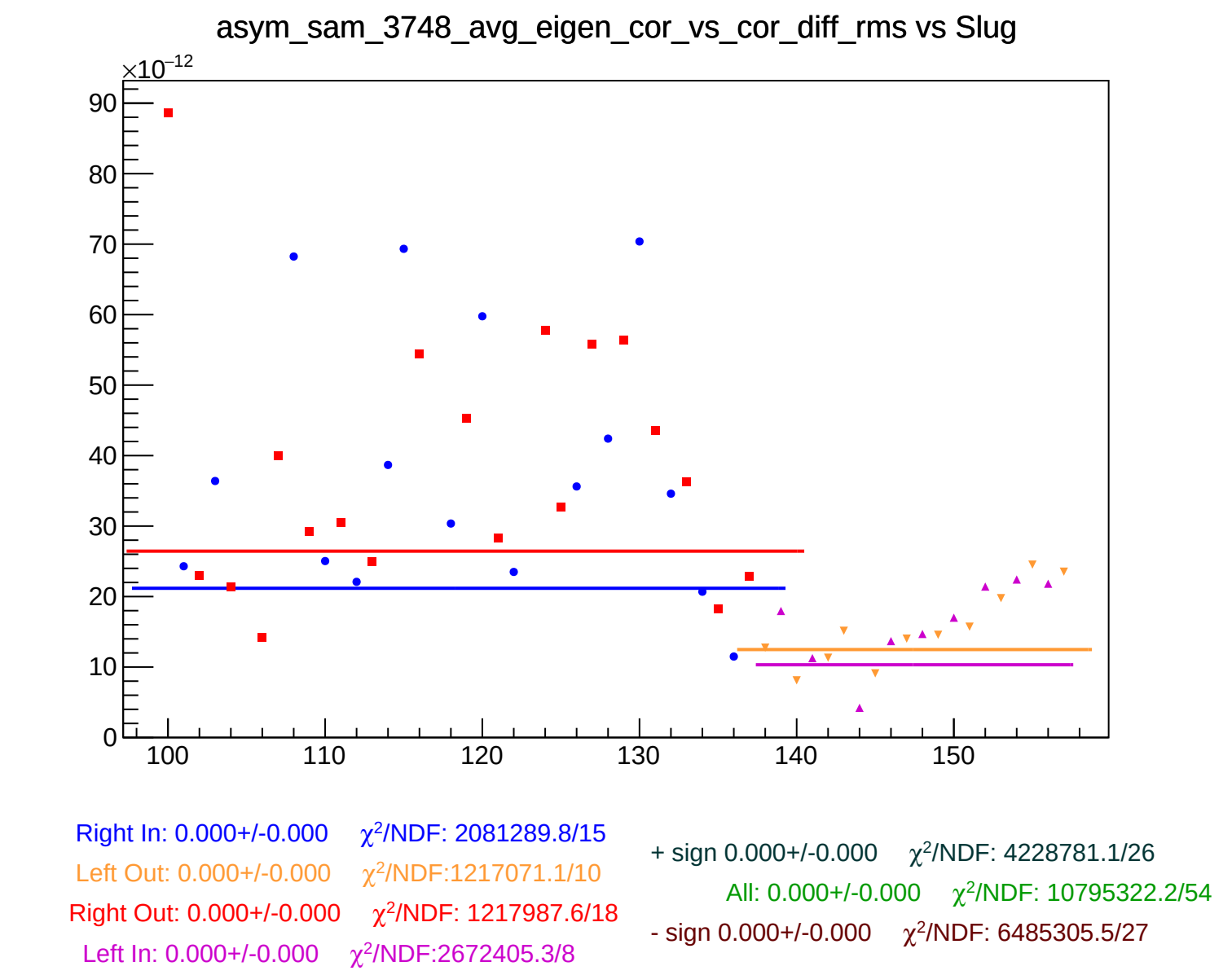
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/8

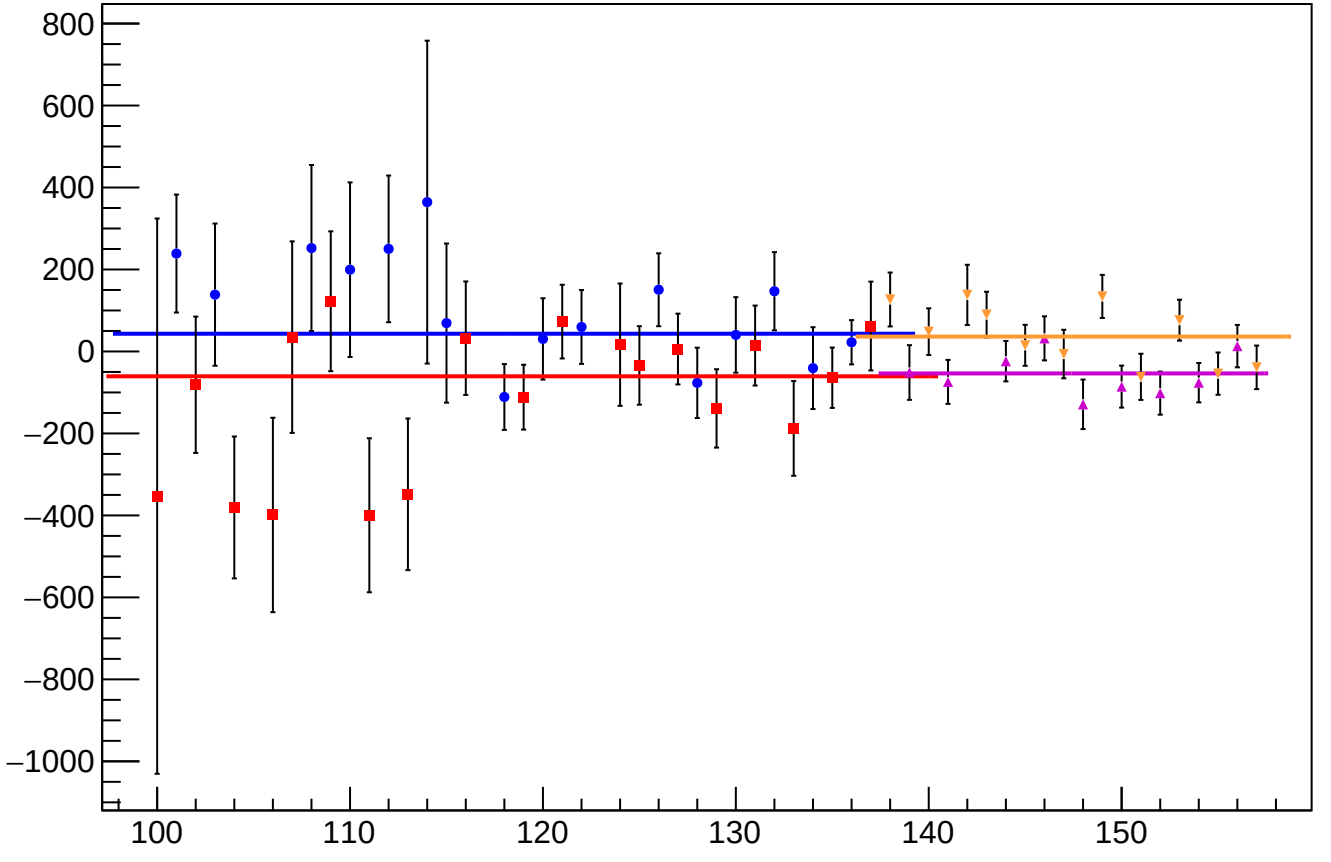
+ sign 0.000+/-0.000 χ^2/NDF: 47.0/26

All: -0.000+/-0.000 χ^2/NDF: 106.6/54

- sign -0.000+/-0.000 χ^2/NDF: 56.5/27


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1217071.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2672405.3/8
+ sign 0.000+/-0.000 χ²/NDF: 4228781.1/26
All: 0.000+/-0.000 χ²/NDF: 10795322.2/54
- sign 0.000+/-0.000 χ²/NDF: 6485305.5/27

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.325+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

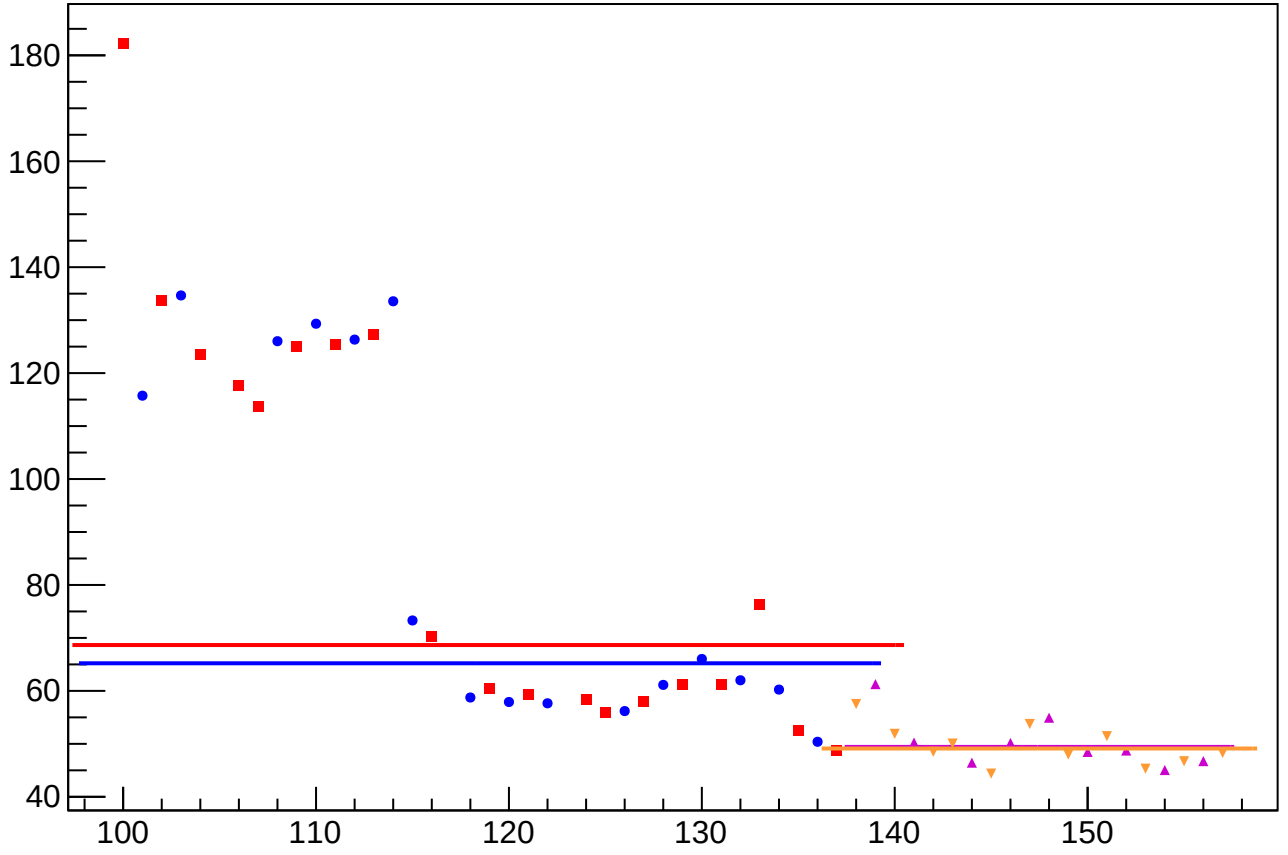
Left In: -53.562+/-17.804 χ^2/NDF:7.7/8

+ sign 38.389+/-14.076 χ^2/NDF: 32.7/26

All: -6.152+/-10.214 χ^2/NDF: 82.1/54

- sign -55.701+/-14.846 χ^2/NDF: 28.2/27

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

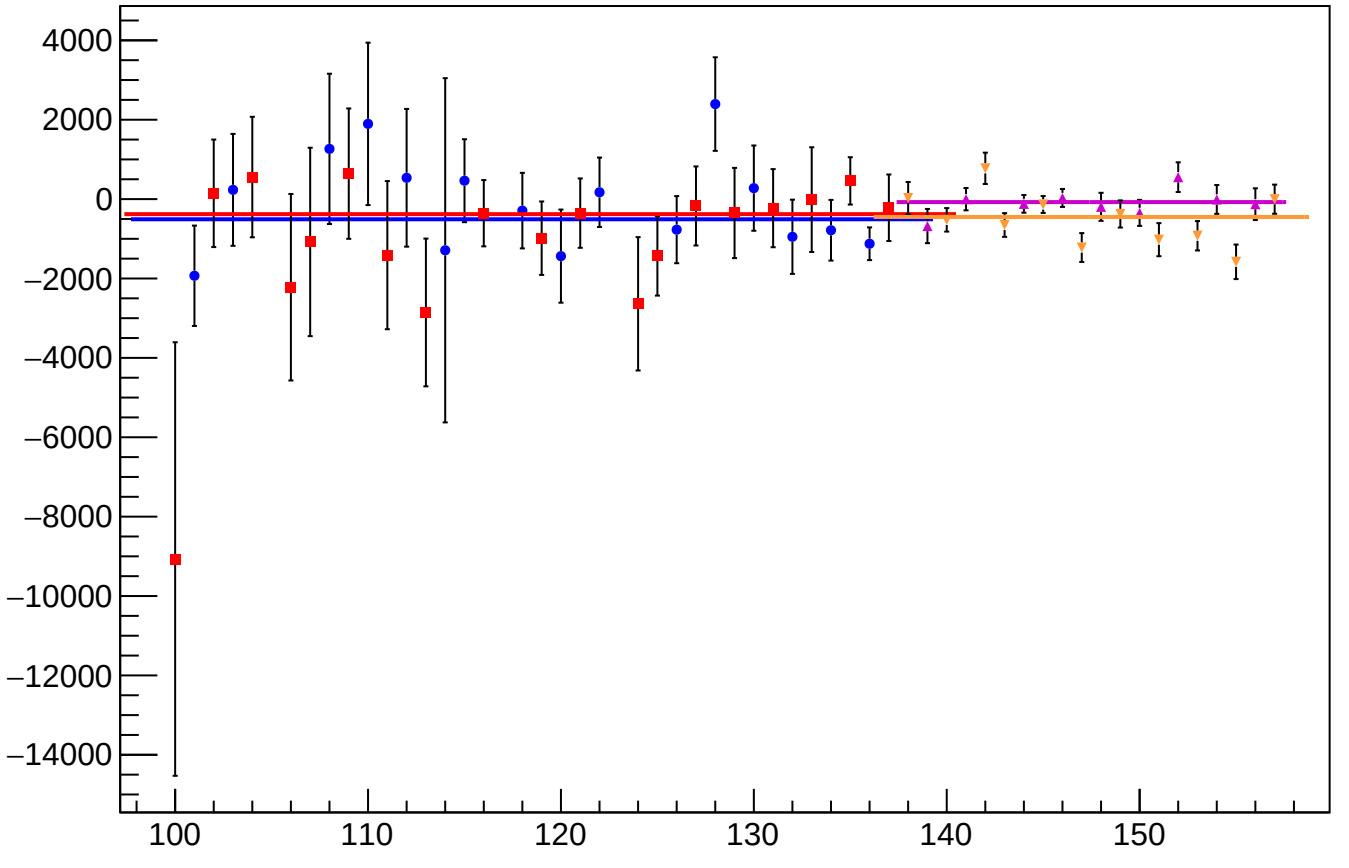
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.421+/-0.013 χ^2/NDF:110930.4/8

+ sign 53.918+/-0.010 χ^2/NDF: 2082670.8/26

All: 54.564+/-0.007 χ^2/NDF: 4554706.6/54

- sign 55.283+/-0.010 χ^2/NDF: 2463131.4/27



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.706+/-100.466 χ^2/NDF:30.0/10

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

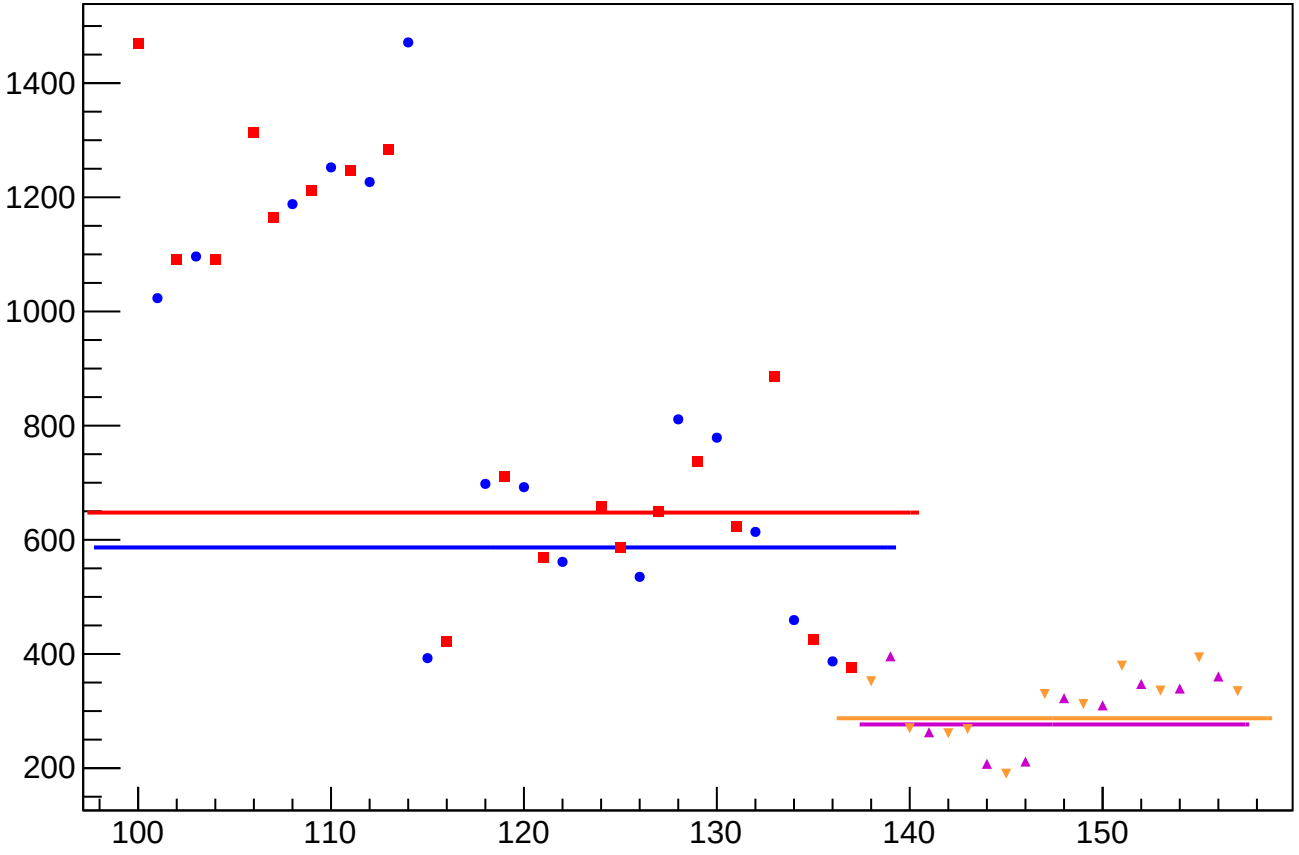
Left In: -75.163+/-102.059 χ^2/NDF:5.9/8

+ sign -458.578+/-92.495 χ^2/NDF: 45.7/26

All: -291.889+/-66.212 χ^2/NDF: 71.2/54

- sign -116.702+/-94.823 χ^2/NDF: 18.9/27

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.458+/-0.071 χ^2/NDF:814231.3/10

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

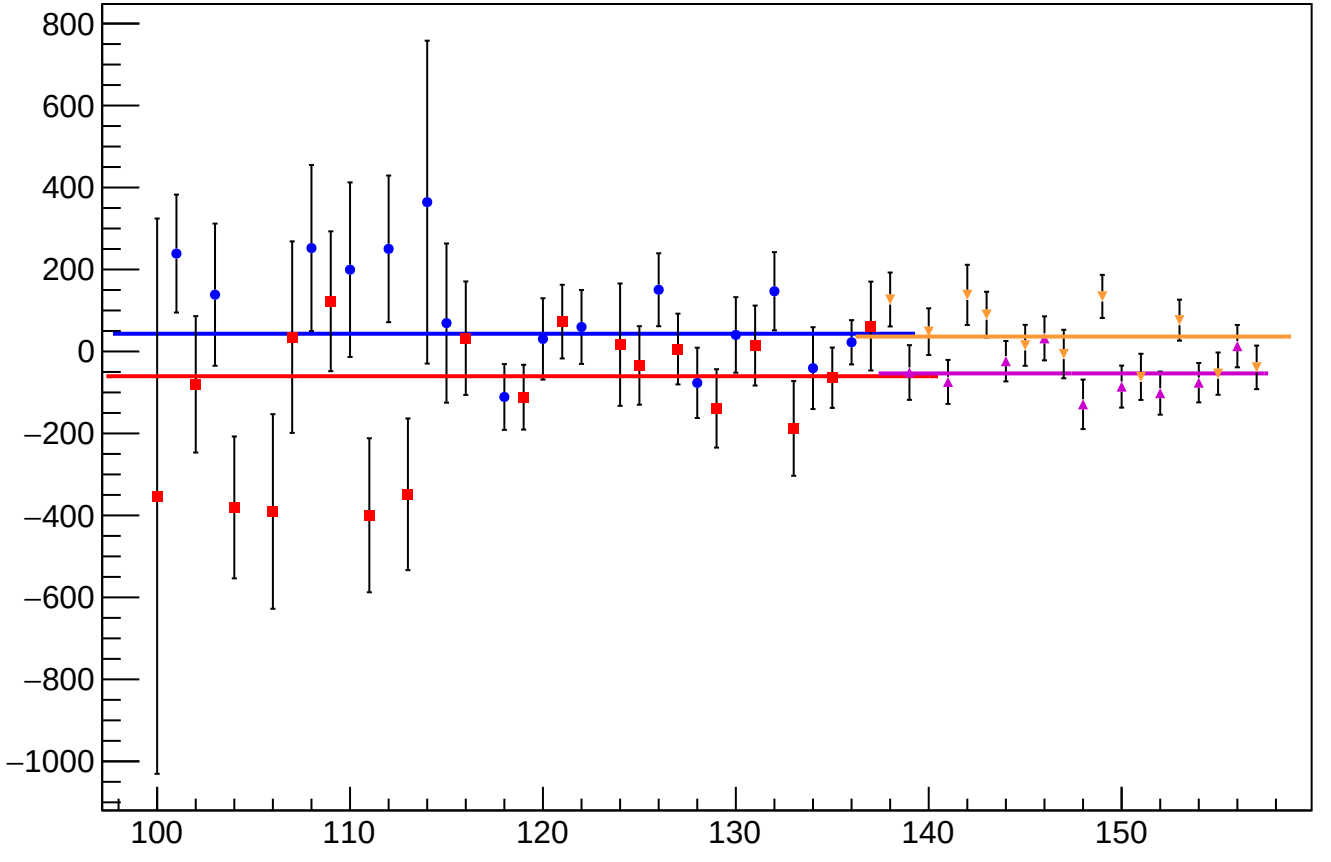
Left In: 276.615+/-0.072 χ^2/NDF:789466.5/8

+ sign 333.050+/-0.065 χ^2/NDF: 5570204.0/26

All: 330.281+/-0.047 χ^2/NDF: 12085842.1/54

- sign 327.371+/-0.067 χ^2/NDF: 6511962.1/27

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

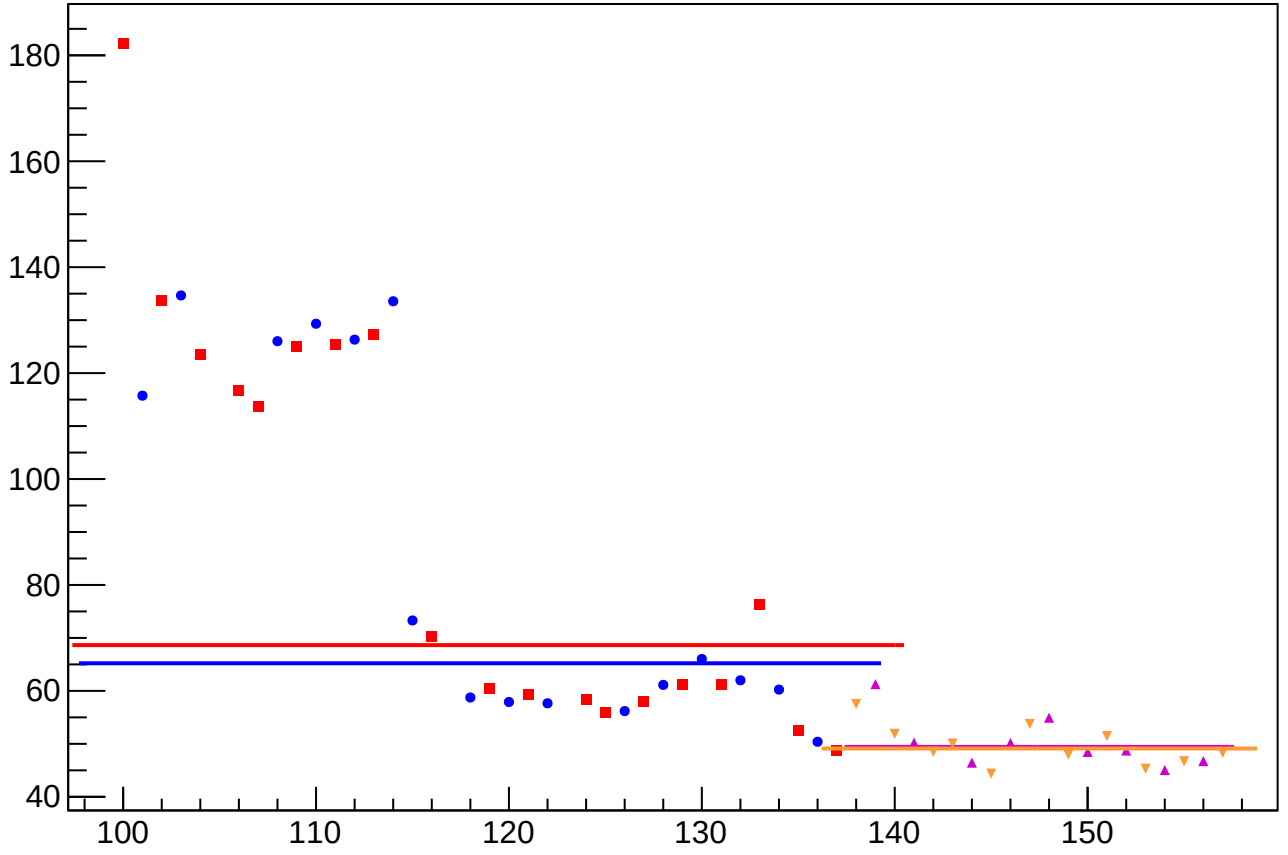
Left In: -53.561+/-17.804 χ^2/NDF:7.7/8

+ sign 38.388+/-14.076 χ^2/NDF: 32.7/26

All: -6.130+/-10.214 χ^2/NDF: 81.9/54

- sign -55.655+/-14.846 χ^2/NDF: 28.1/27

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

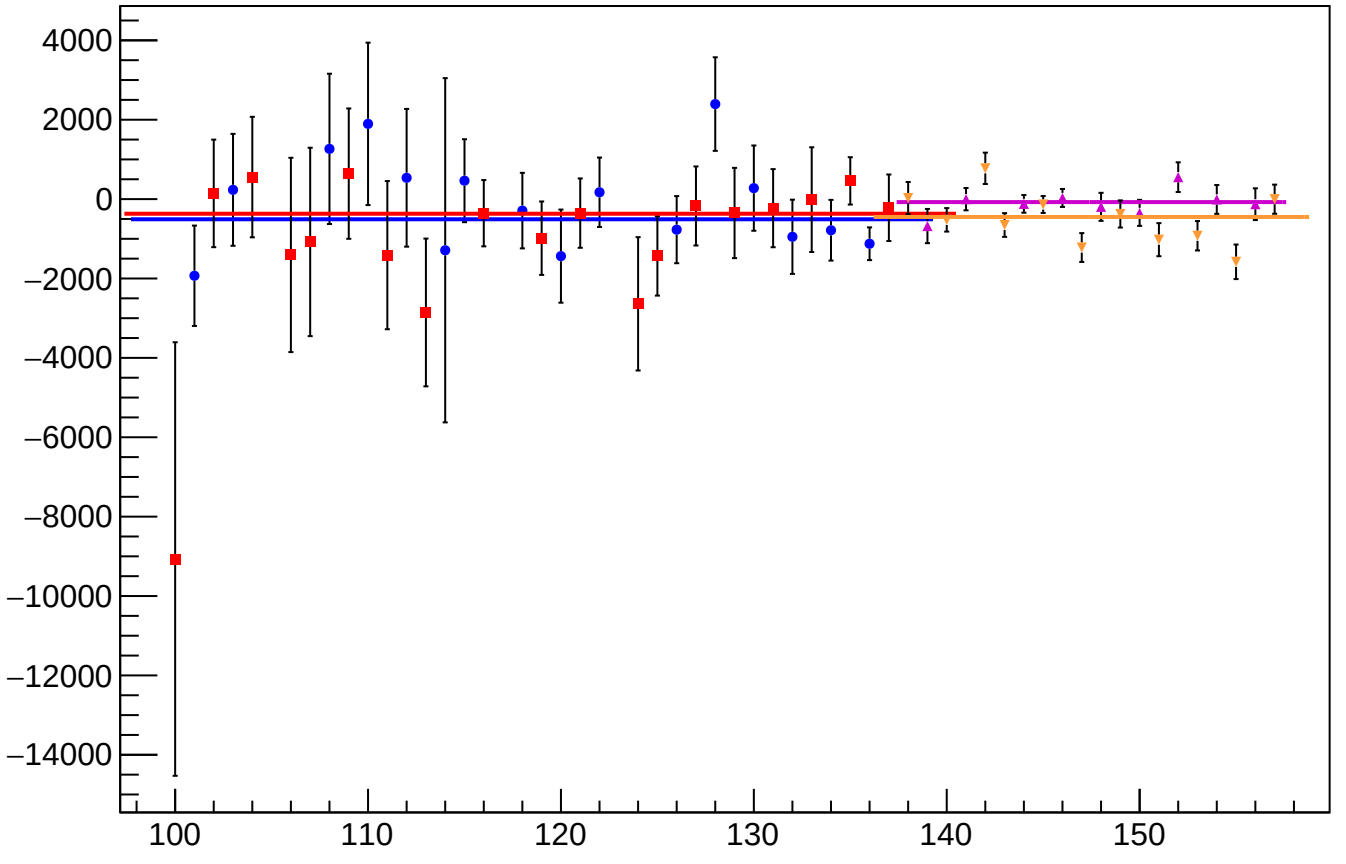
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.421+/-0.013 χ^2/NDF:110930.4/8

+ sign 53.918+/-0.010 χ^2/NDF: 2082673.0/26

All: 54.562+/-0.007 χ^2/NDF: 4550211.7/54

- sign 55.278+/-0.010 χ^2/NDF: 2458694.7/27



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.701+/-100.466 χ^2/NDF:30.0/10

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

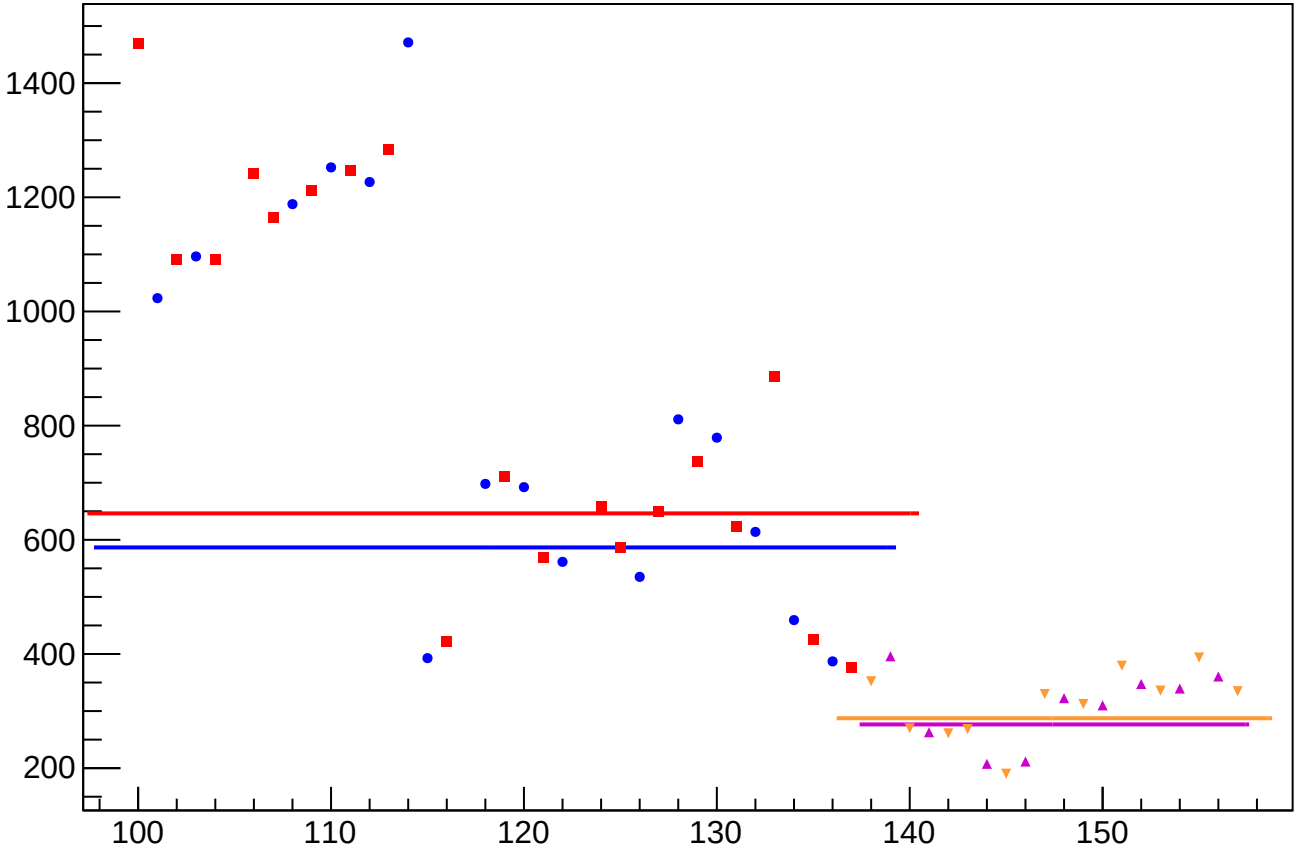
Left In: -75.163+/-102.059 χ^2/NDF:5.9/8

+ sign -458.572+/-92.495 χ^2/NDF: 45.7/26

All: -291.177+/-66.214 χ^2/NDF: 70.8/54

- sign -115.224+/-94.830 χ^2/NDF: 18.4/27

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

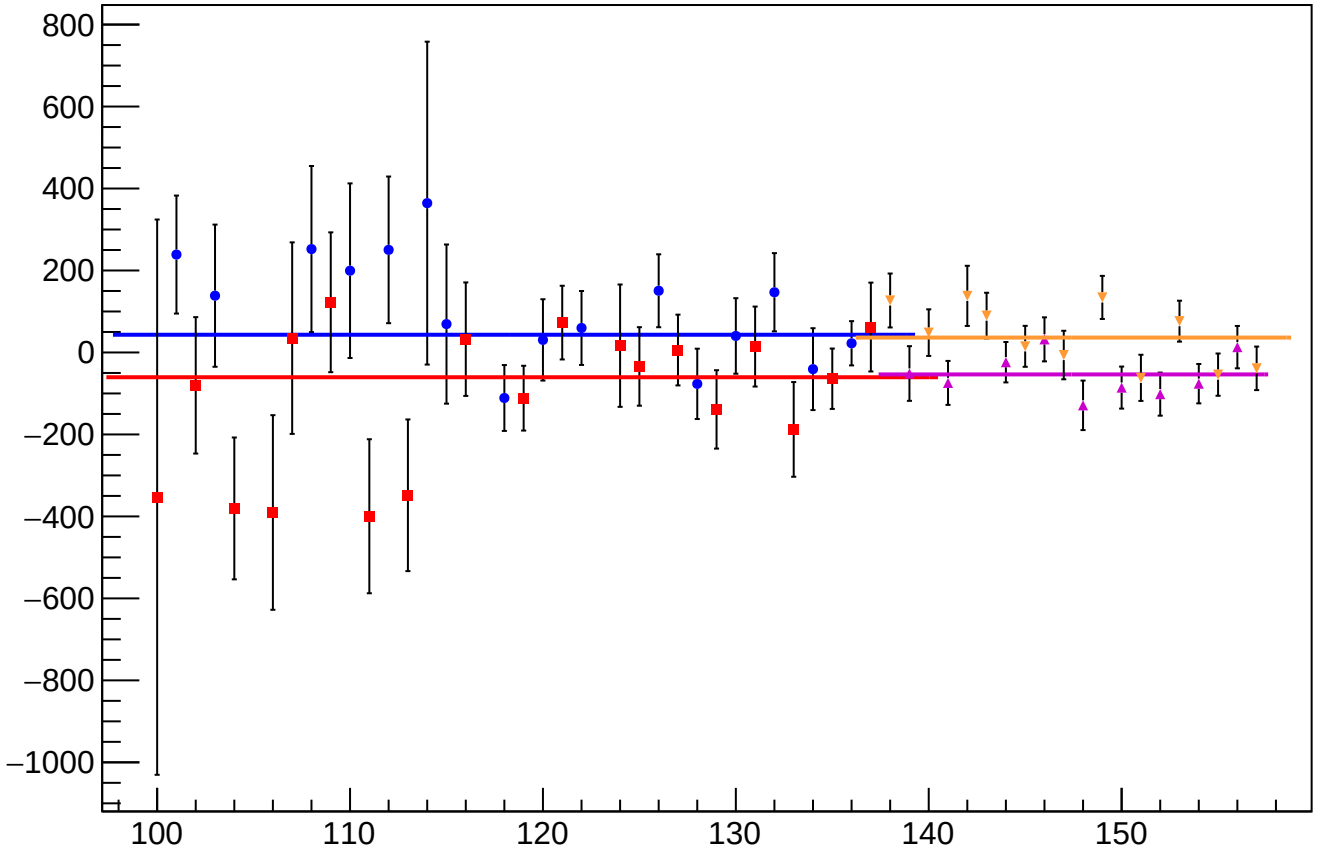
Left In: 276.615+/-0.072 χ^2/NDF:789461.7/8

+ sign 333.049+/-0.065 χ^2/NDF: 5570237.5/26

All: 330.166+/-0.047 χ^2/NDF: 12013267.5/54

- sign 327.135+/-0.067 χ^2/NDF: 6439043.3/27

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 36.328+/-16.801 χ^2/NDF:17.7/10

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

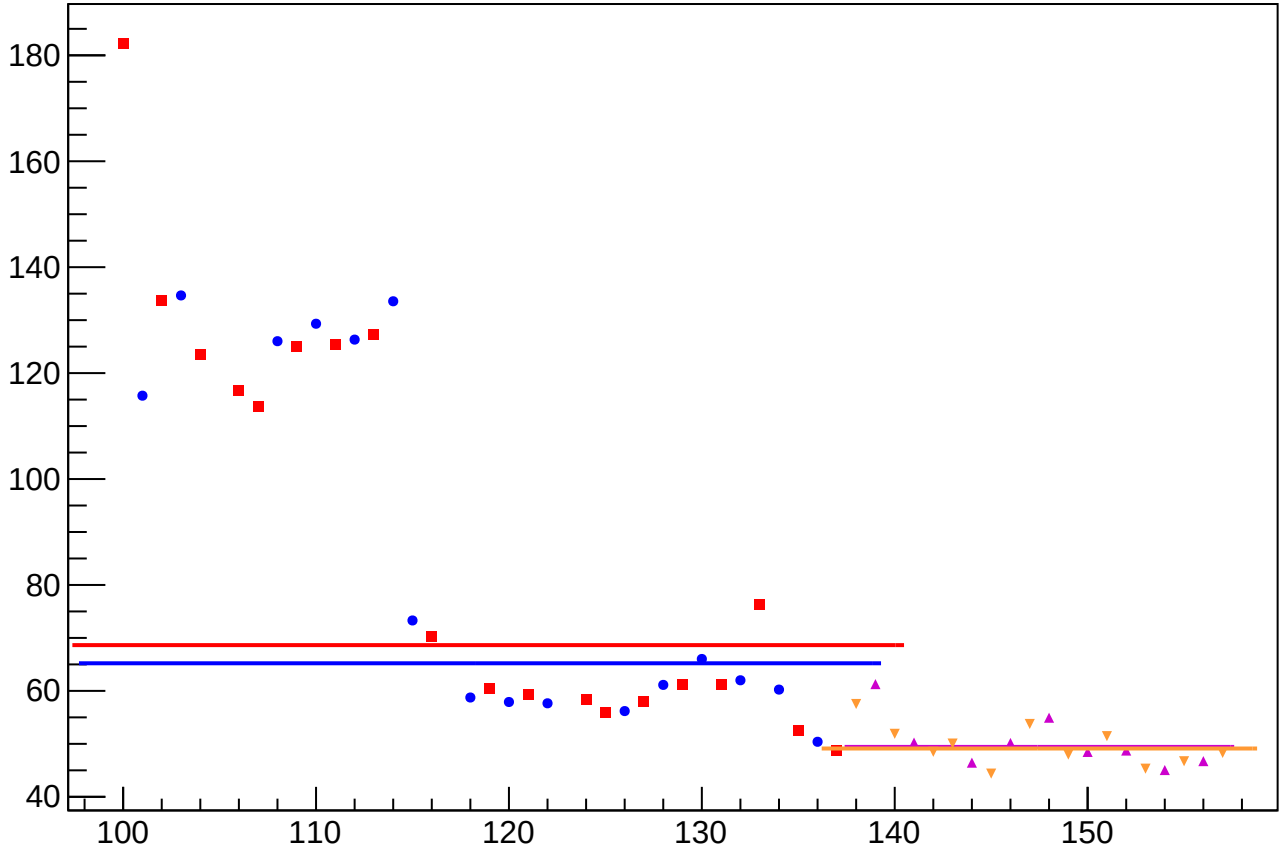
Left In: -53.561+/-17.804 χ^2/NDF:7.7/8

+ sign 38.388+/-14.076 χ^2/NDF: 32.7/26

All: -6.130+/-10.214 χ^2/NDF: 81.9/54

- sign -55.655+/-14.846 χ^2/NDF: 28.1/27

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.121+/-0.012 χ^2/NDF:89240.5/10

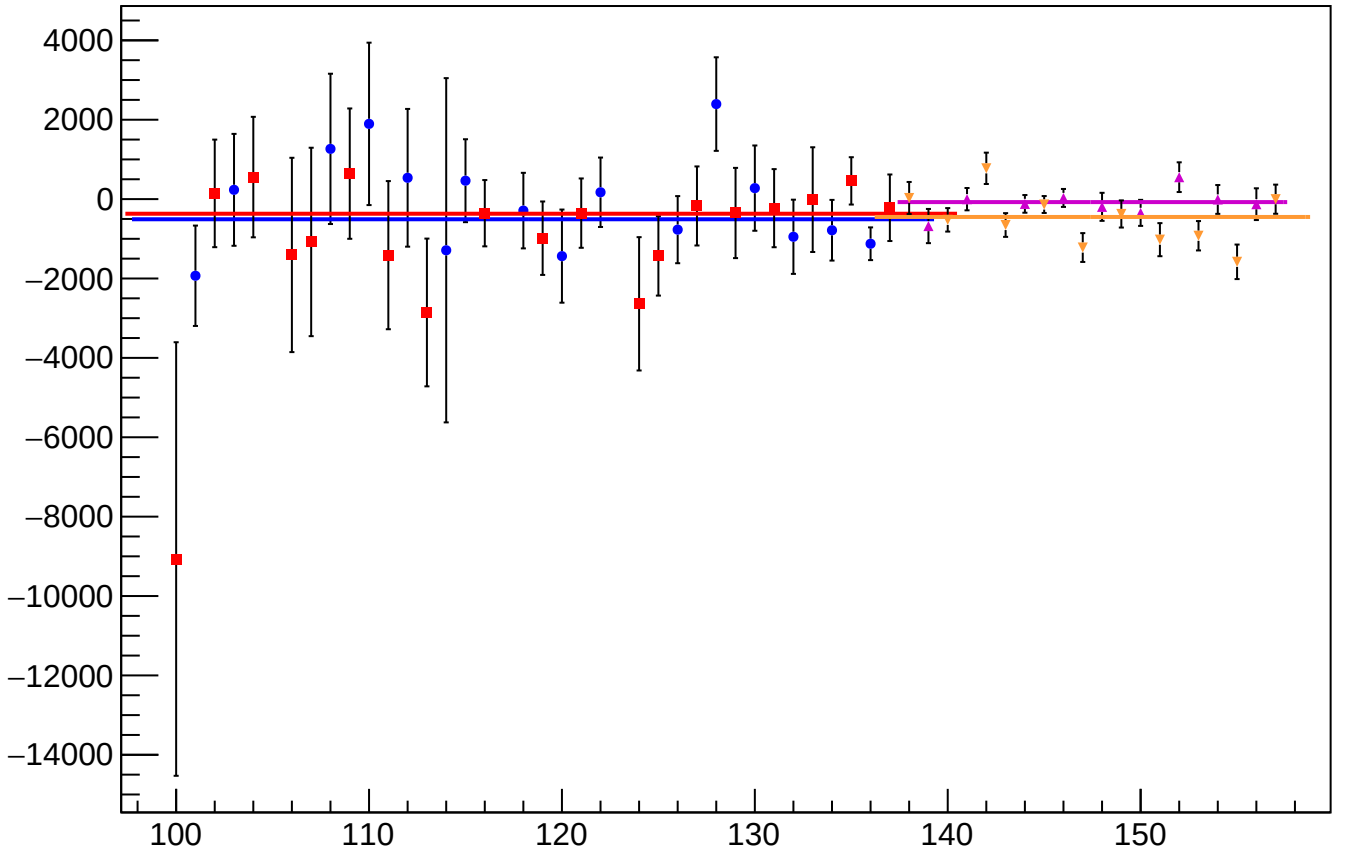
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.421+/-0.013 χ^2/NDF:110930.4/8

+ sign 53.918+/-0.010 χ^2/NDF: 2082673.0/26

All: 54.562+/-0.007 χ^2/NDF: 4550211.7/54

- sign 55.278+/-0.010 χ^2/NDF: 2458694.7/27



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -449.701+/-100.466 χ^2/NDF:30.0/10

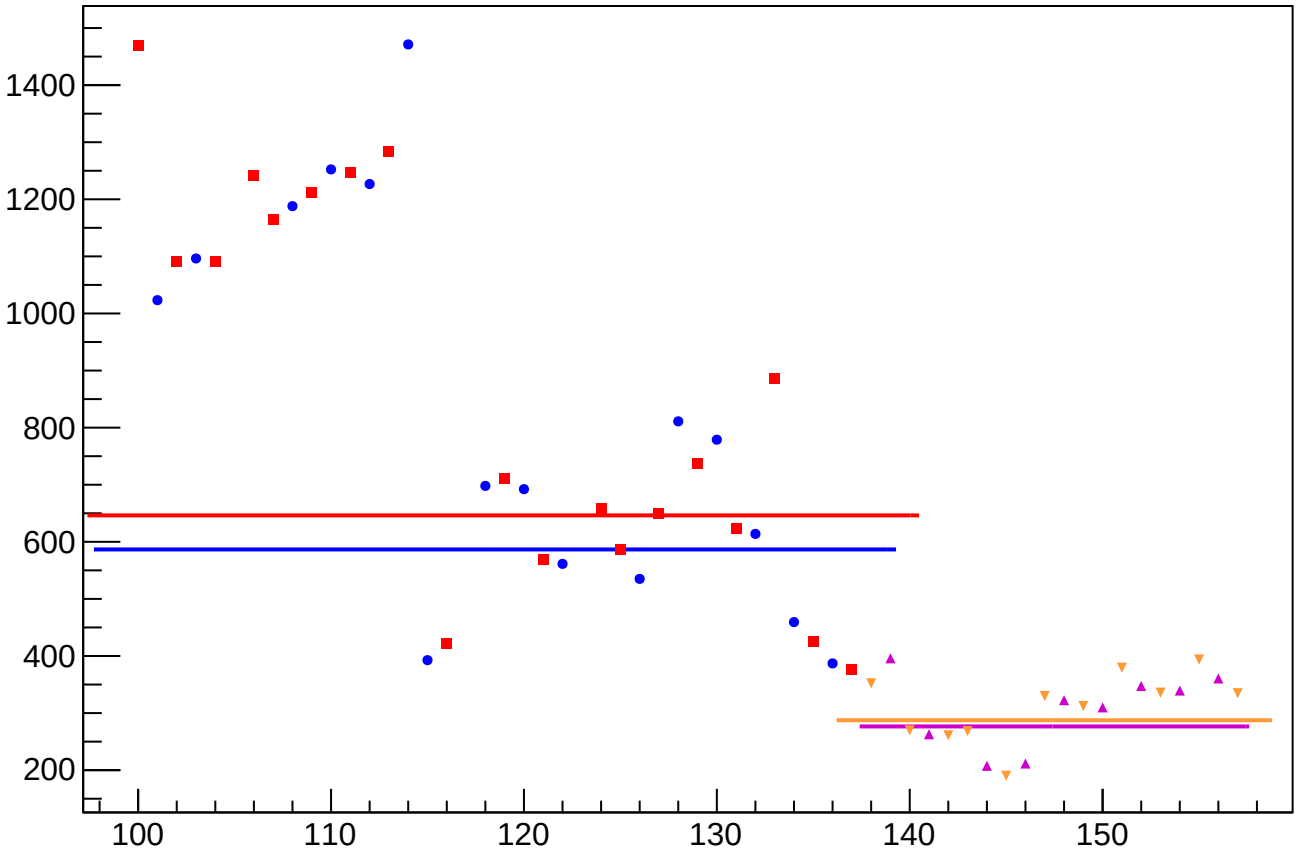
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -75.163+/-102.059 χ^2/NDF:5.9/8

\+ sign -458.572+/-92.495 χ^2/NDF: 45.7/26

All: -291.177+/-66.214 χ^2/NDF: 70.8/54

\- sign -115.224+/-94.830 χ^2/NDF: 18.4/27



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.458+/-0.071 χ^2/NDF:814235.5/10

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

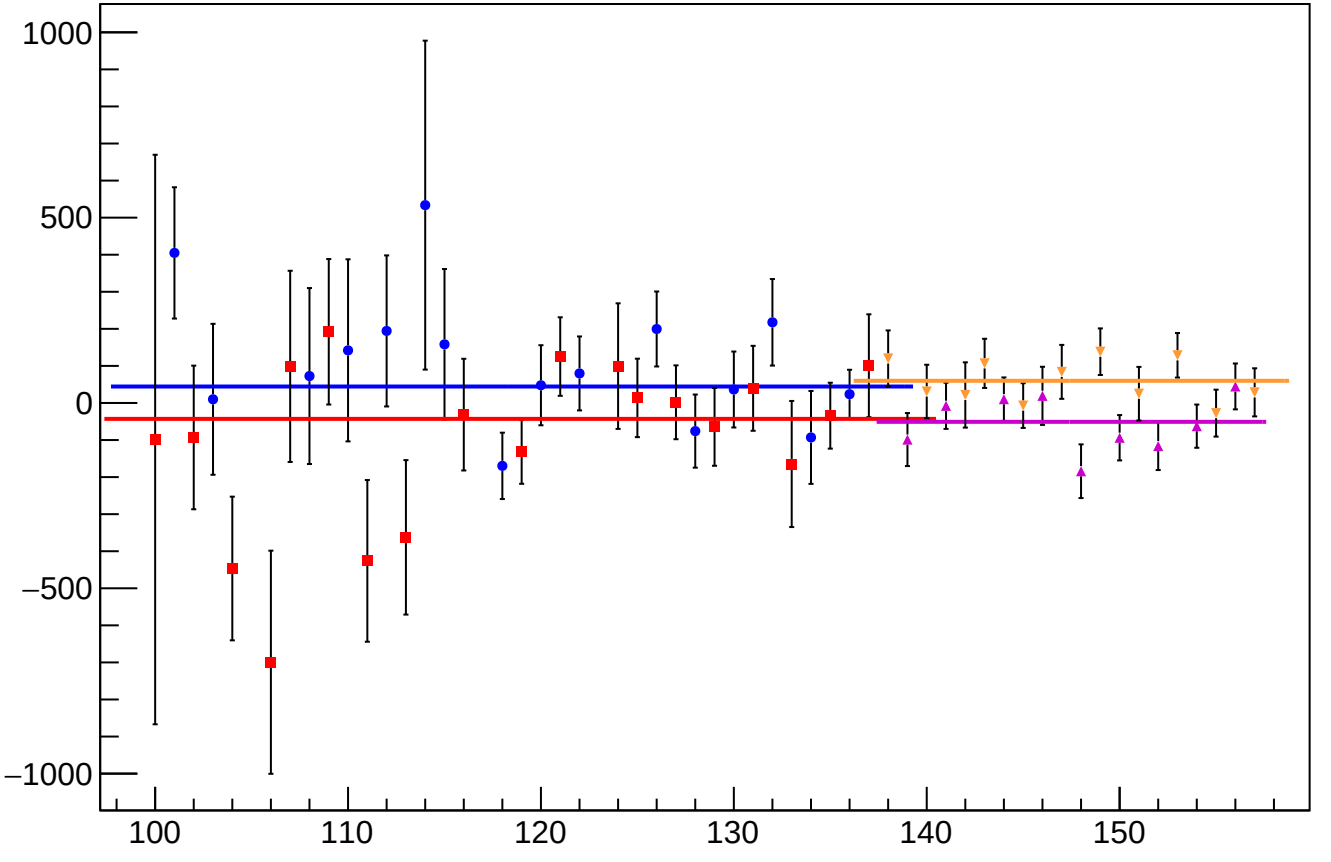
Left In: 276.615+/-0.072 χ^2/NDF:789461.7/8

+ sign 333.049+/-0.065 χ^2/NDF: 5570237.5/26

All: 330.166+/-0.047 χ^2/NDF: 12013267.5/54

- sign 327.135+/-0.067 χ^2/NDF: 6439043.3/27

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 59.836+/-20.438 χ^2/NDF:8.1/10

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

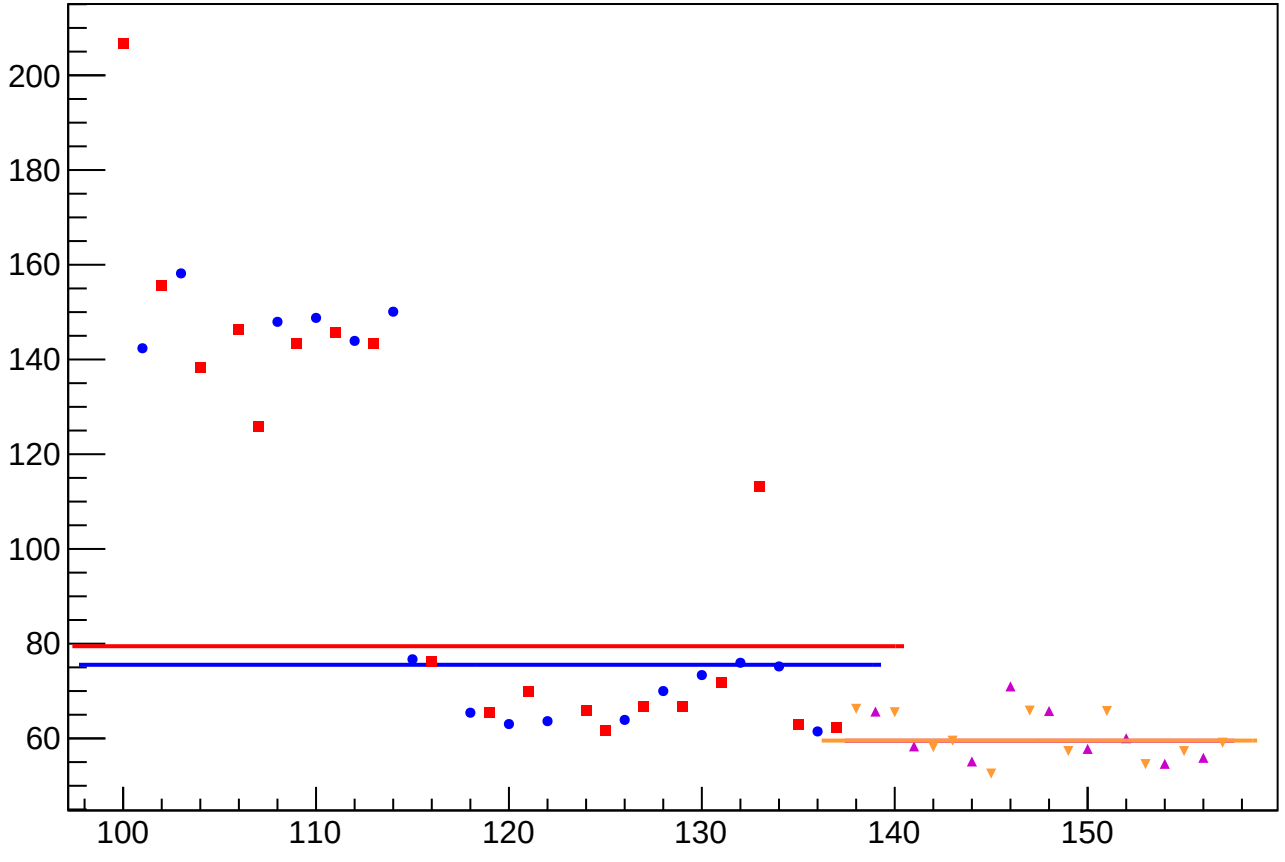
Left In: -50.877+/-21.528 χ^2/NDF:10.1/8

+ sign 54.918+/-16.874 χ^2/NDF: 27.8/26

All: 5.849+/-12.223 χ^2/NDF: 79.1/54

- sign -48.310+/-17.728 χ^2/NDF: 33.5/27

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.545+/-0.014 χ^2/NDF:105300.6/10

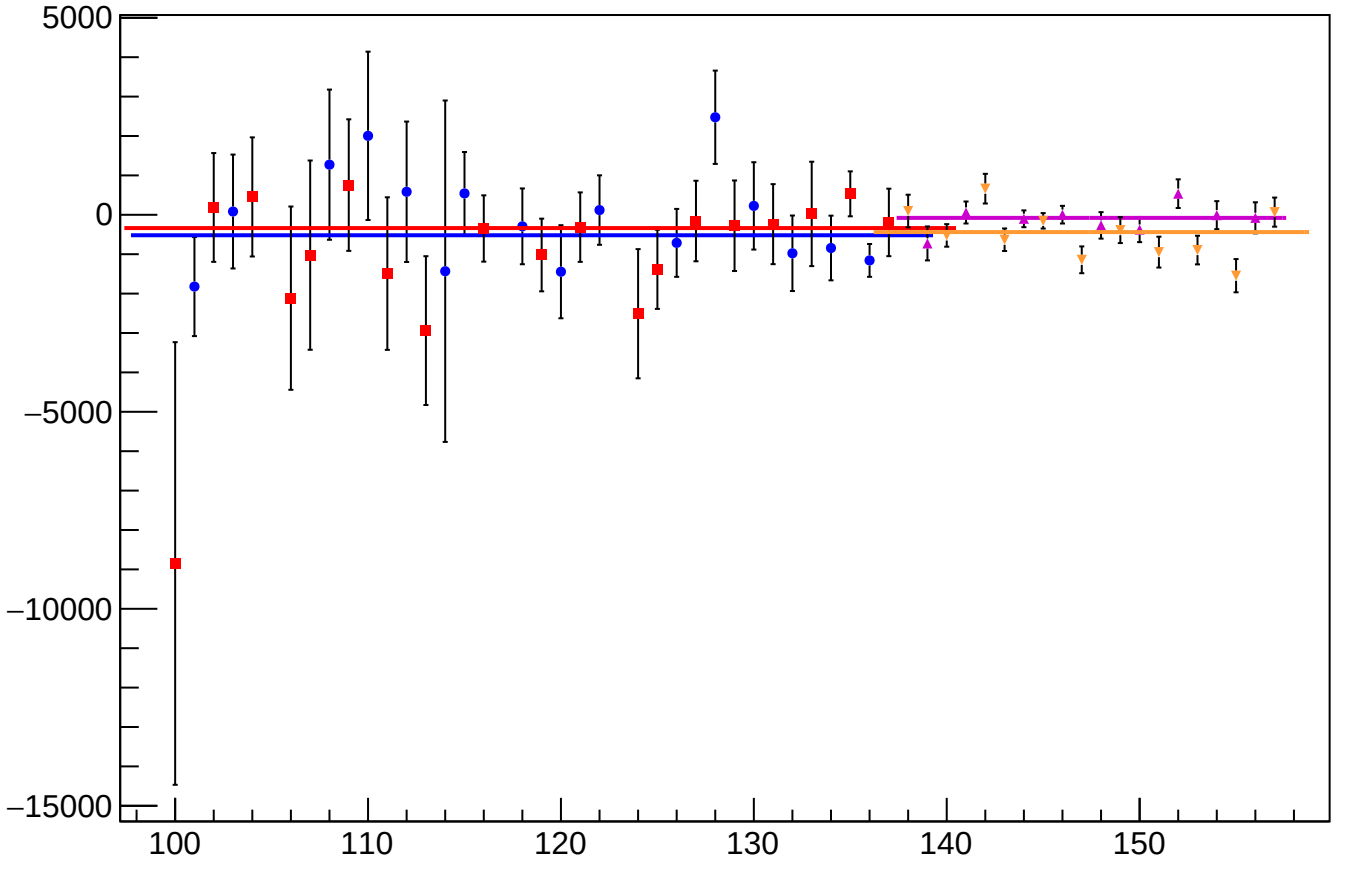
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 59.505+/-0.015 χ^2/NDF:106965.9/8

+ sign 64.638+/-0.012 χ^2/NDF: 1960974.7/26

All: 65.252+/-0.009 χ^2/NDF: 4310525.1/54

- sign 65.930+/-0.013 χ^2/NDF: 2343981.4/27



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -438.656+/-96.169 χ^2/NDF:29.2/10

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

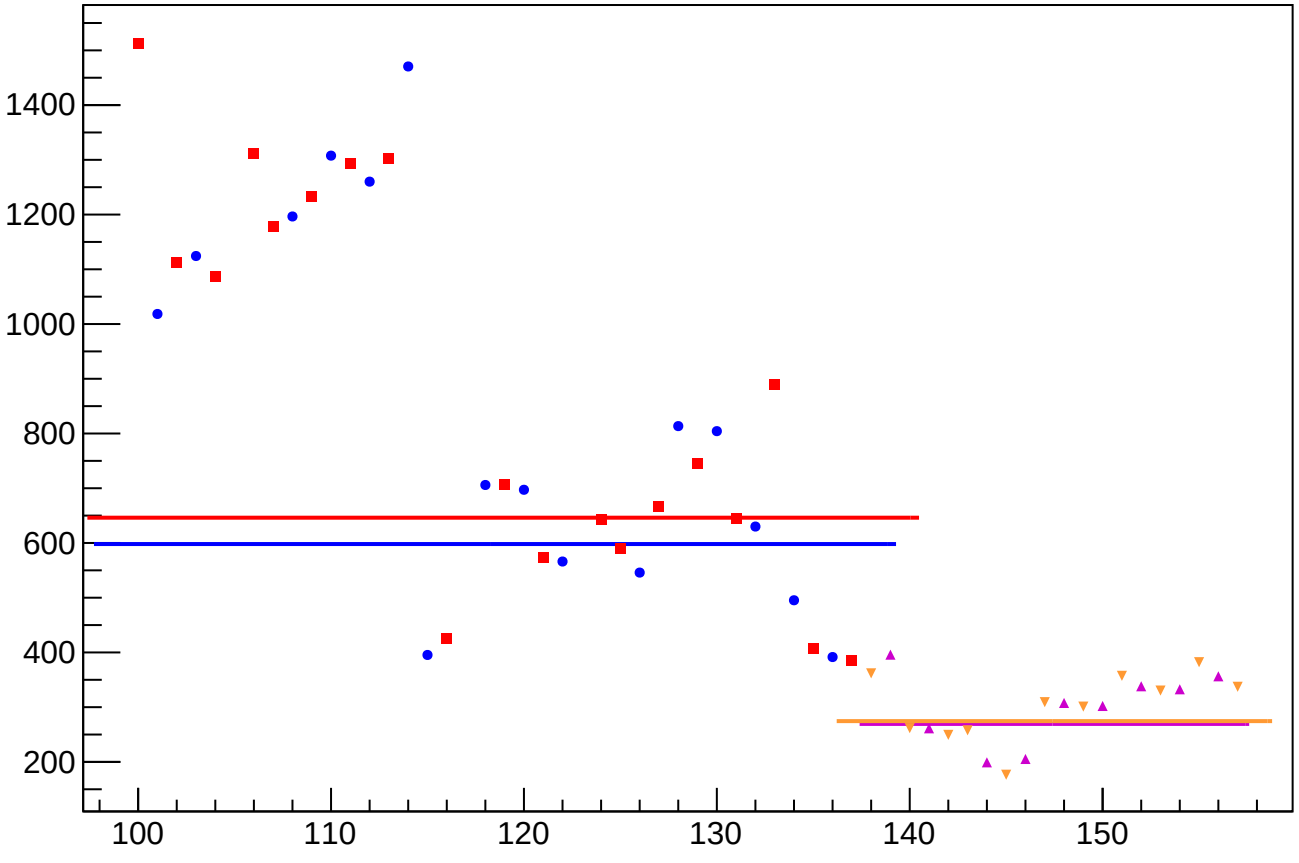
Left In: -78.429+/-99.669 χ^2/NDF:6.7/8

+ sign -449.701+/-89.337 χ^2/NDF: 45.1/26

All: -287.602+/-64.396 χ^2/NDF: 71.5/54

- sign -112.286+/-92.907 χ^2/NDF: 19.5/27

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 274.508+/-0.068 χ^2/NDF:964570.4/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

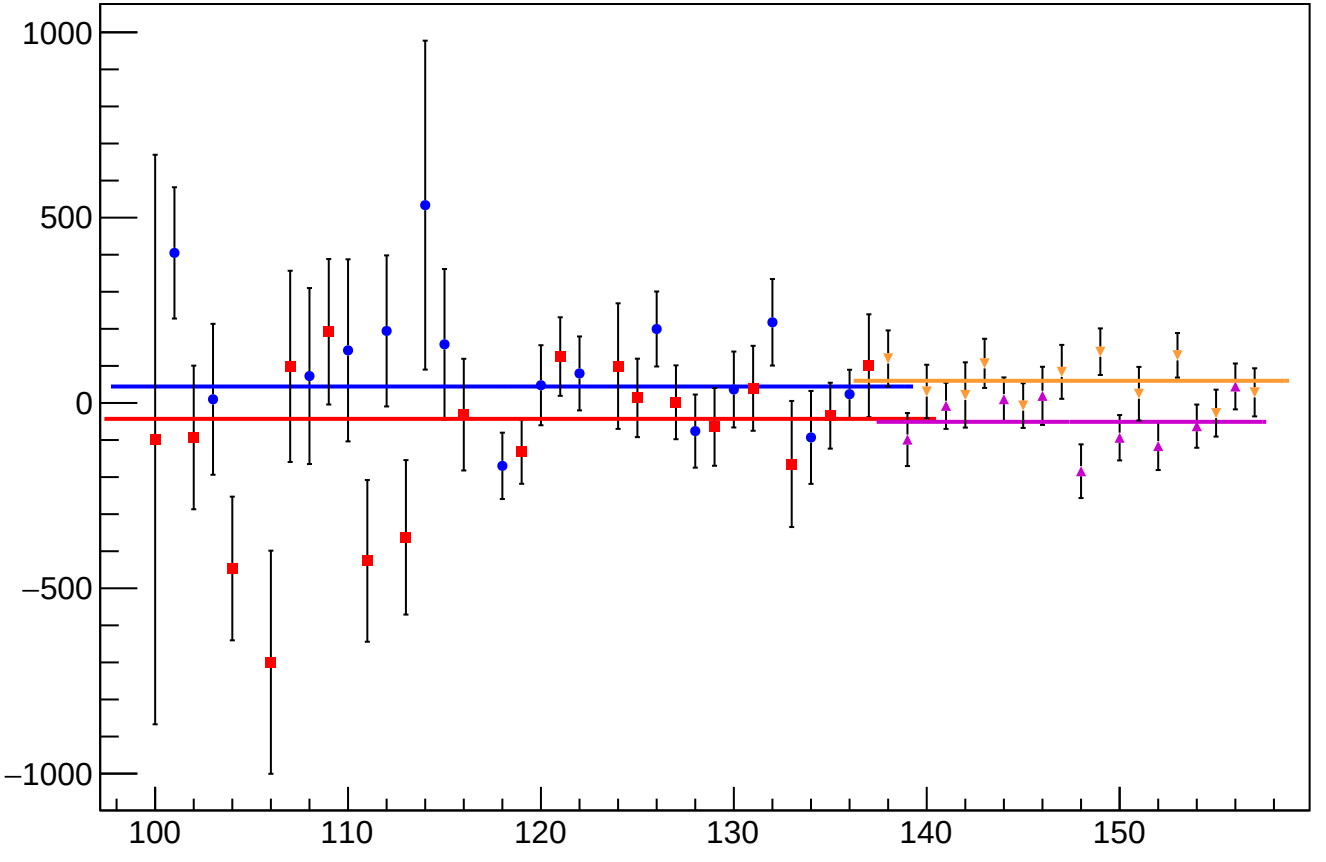
Left In: 269.411+/-0.070 χ^2/NDF:833028.1/8

+ sign 318.849+/-0.063 χ^2/NDF: 6114712.2/26

All: 318.825+/-0.046 χ^2/NDF: 12899554.5/54

- sign 318.798+/-0.066 χ^2/NDF: 6784842.0/27

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 59.835+/-20.438 χ^2/NDF:8.1/10

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

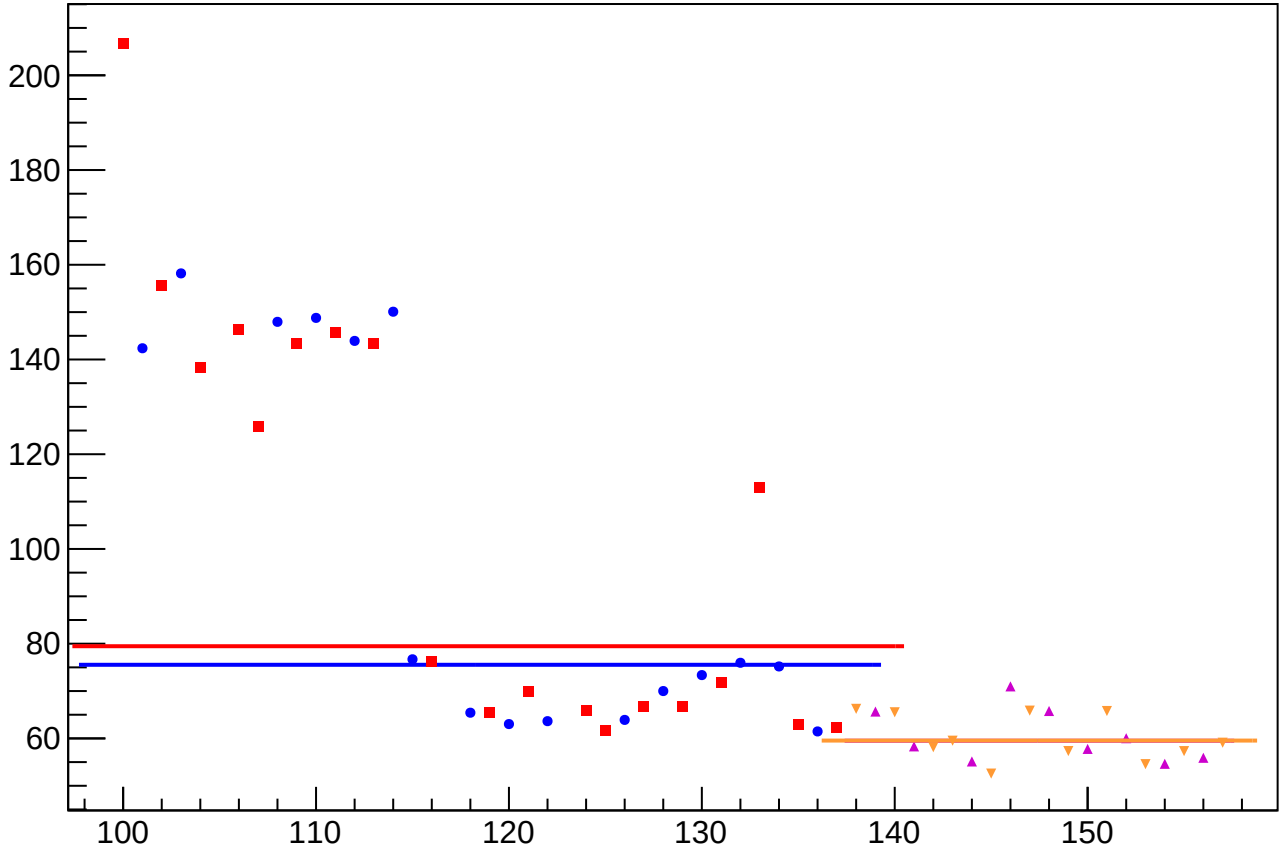
Left In: -50.877+/-21.528 χ^2/NDF:10.1/8

+ sign 54.918+/-16.874 χ^2/NDF: 27.8/26

All: 5.850+/-12.223 χ^2/NDF: 79.1/54

- sign -48.309+/-17.728 χ^2/NDF: 33.5/27

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.546+/-0.014 χ^2/NDF:105299.7/10

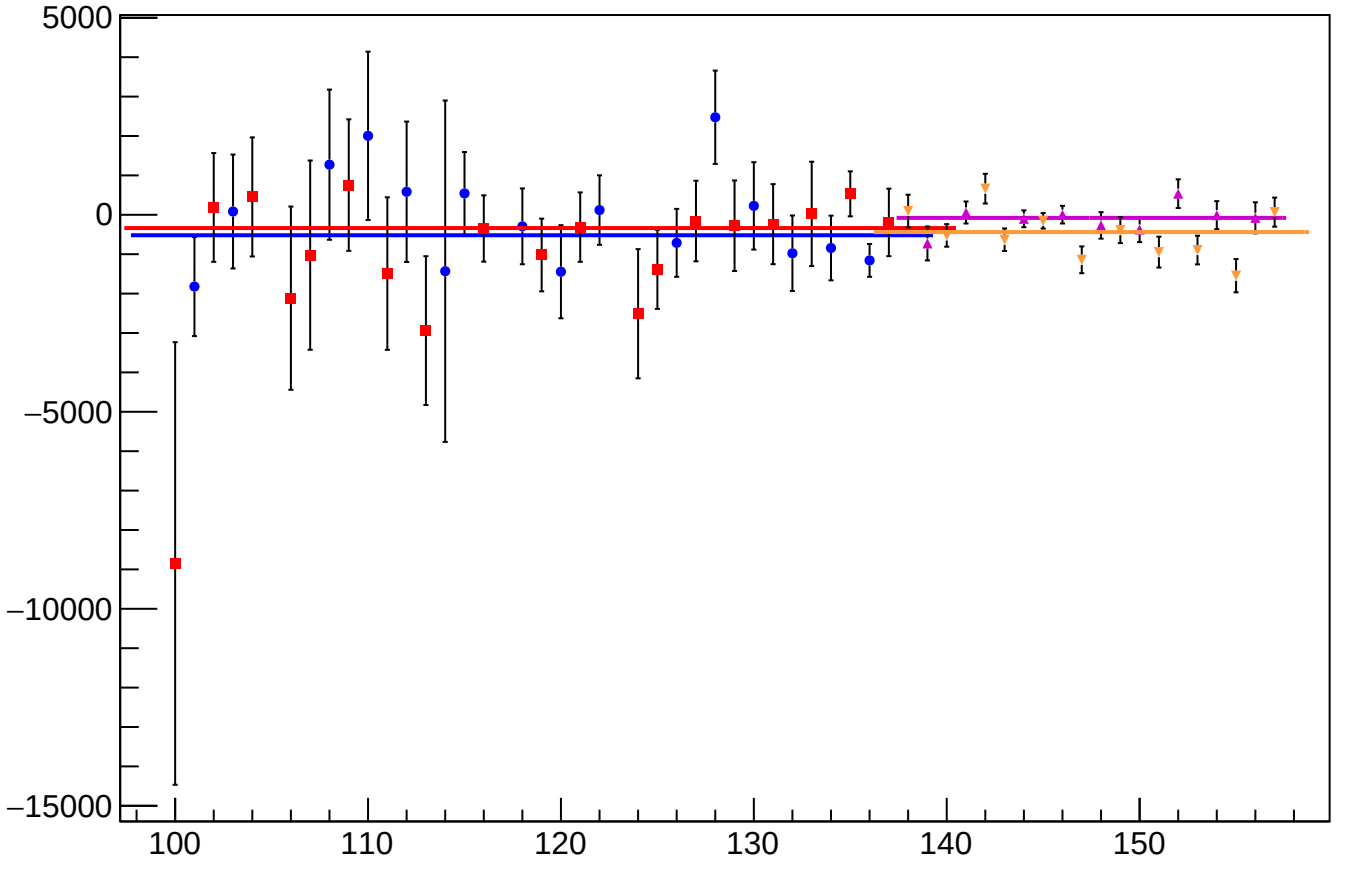
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 59.505+/-0.015 χ^2/NDF:106967.4/8

+ sign 64.638+/-0.012 χ^2/NDF: 1960937.0/26

All: 65.252+/-0.009 χ^2/NDF: 4310458.5/54

- sign 65.930+/-0.013 χ^2/NDF: 2343952.4/27



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -438.656+/-96.169 χ^2/NDF:29.2/10

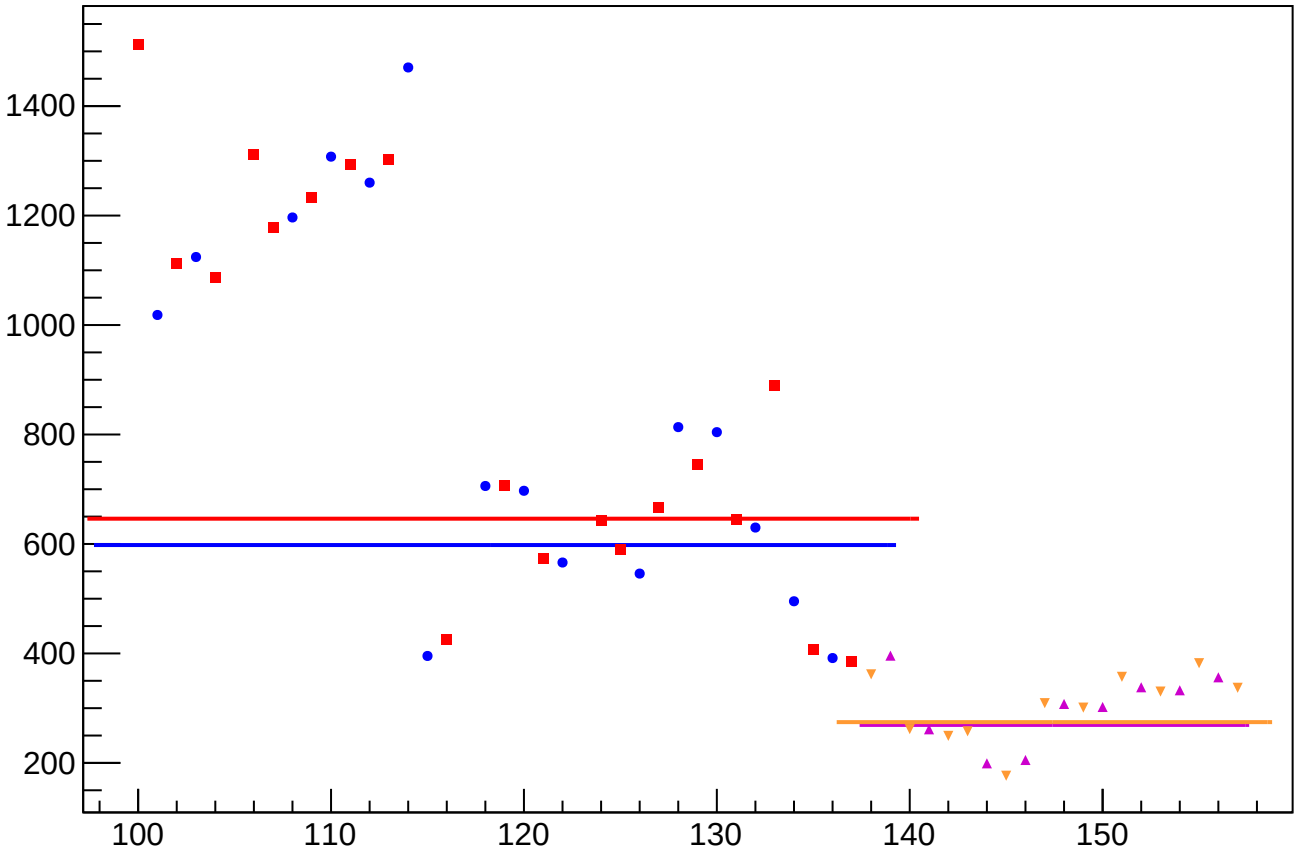
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -78.429+/-99.669 χ^2/NDF:6.7/8

+ sign -449.701+/-89.336 χ^2/NDF: 45.1/26

All: -287.603+/-64.396 χ^2/NDF: 71.5/54

- sign -112.286+/-92.907 χ^2/NDF: 19.5/27



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 274.507+/-0.068 χ^2/NDF:964578.7/10

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

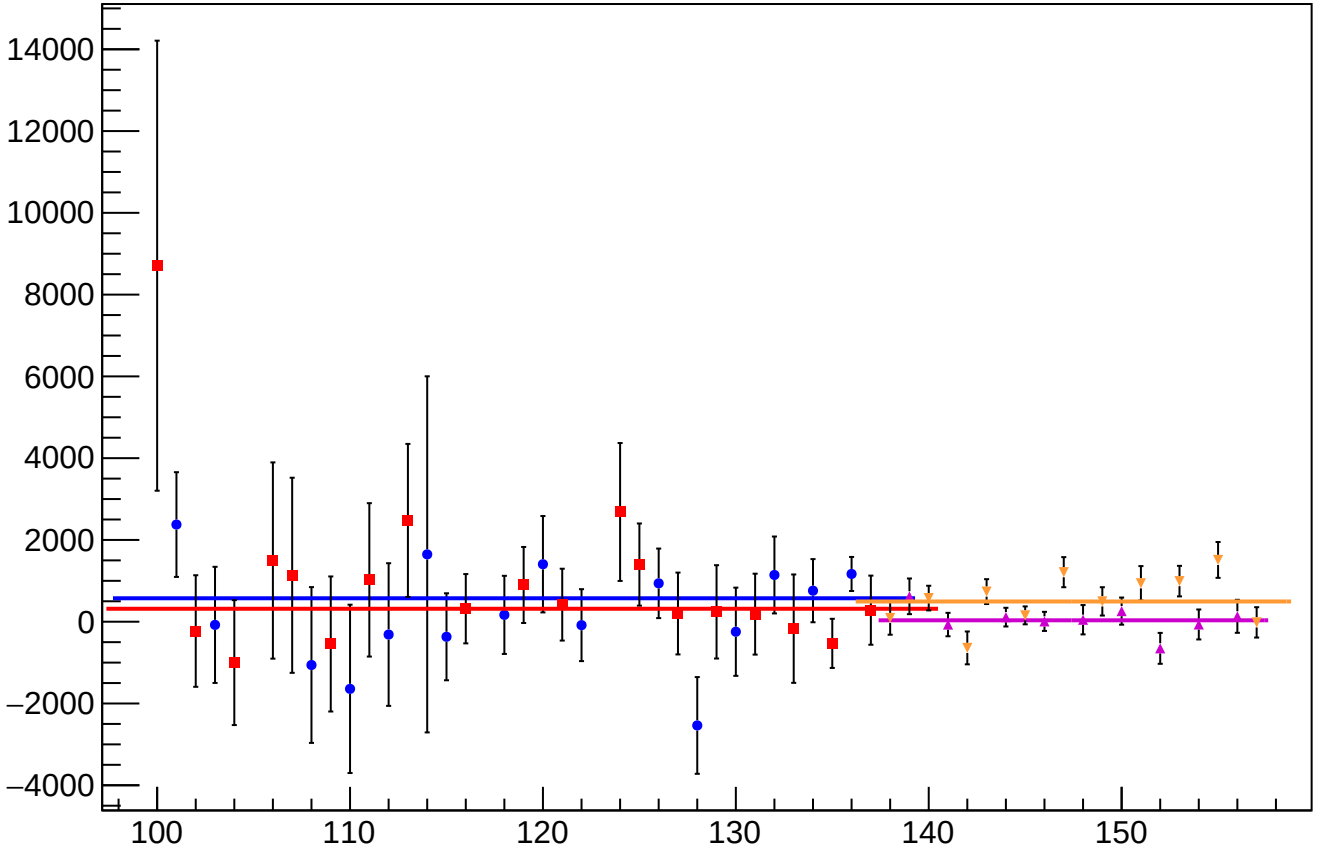
Left In: 269.411+/-0.070 χ^2/NDF:833027.3/8

+ sign 318.849+/-0.063 χ^2/NDF: 6114710.8/26

All: 318.824+/-0.046 χ^2/NDF: 12899540.9/54

- sign 318.798+/-0.066 χ^2/NDF: 6784829.8/27

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 494.699+/-102.153 χ^2/NDF:26.0/10

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

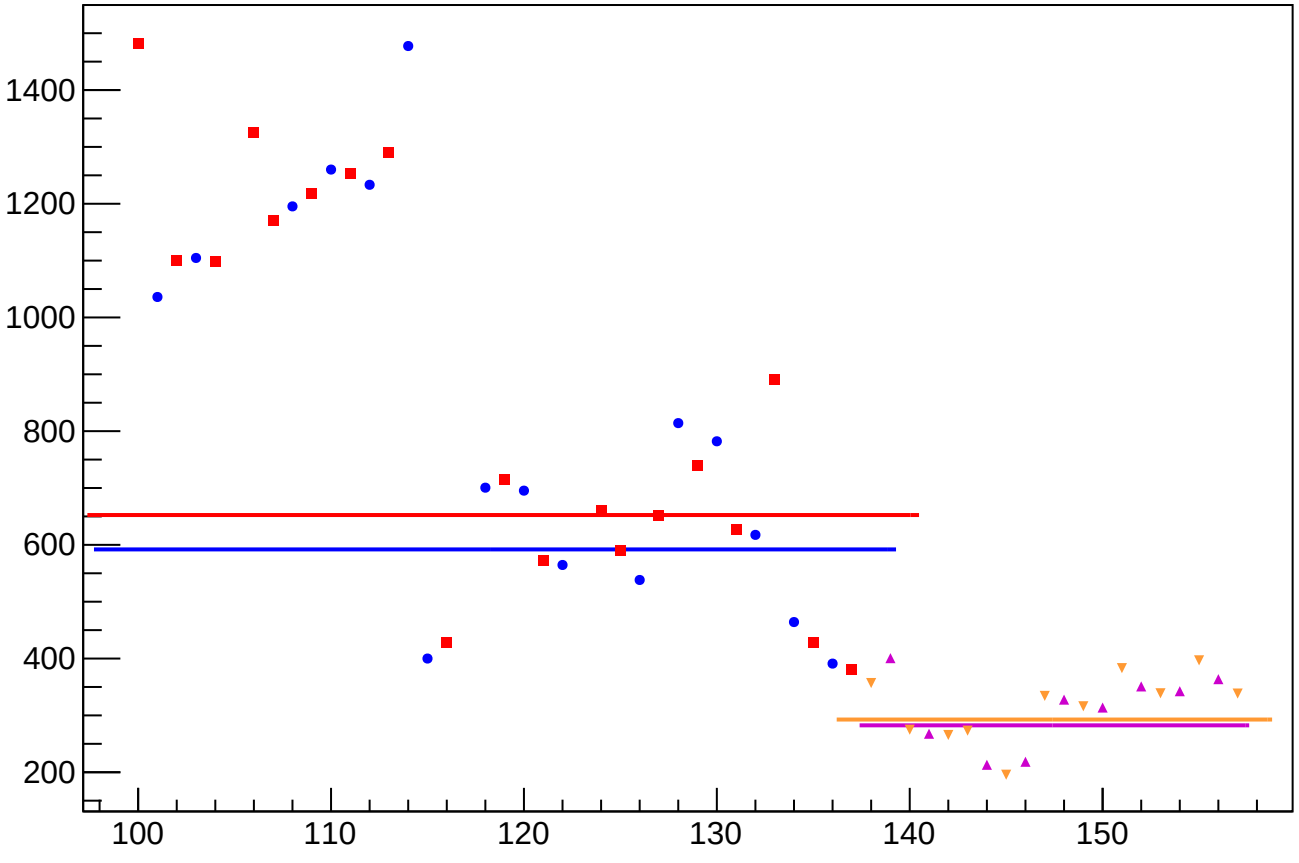
Left In: 34.580+/-104.042 χ^2/NDF:6.0/8

+ sign 506.859+/-93.927 χ^2/NDF: 42.7/26

All: 296.283+/-67.309 χ^2/NDF: 71.0/54

- sign 73.997+/-96.504 χ^2/NDF: 18.0/27

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.718+/-0.072 χ^2/NDF:767079.5/10

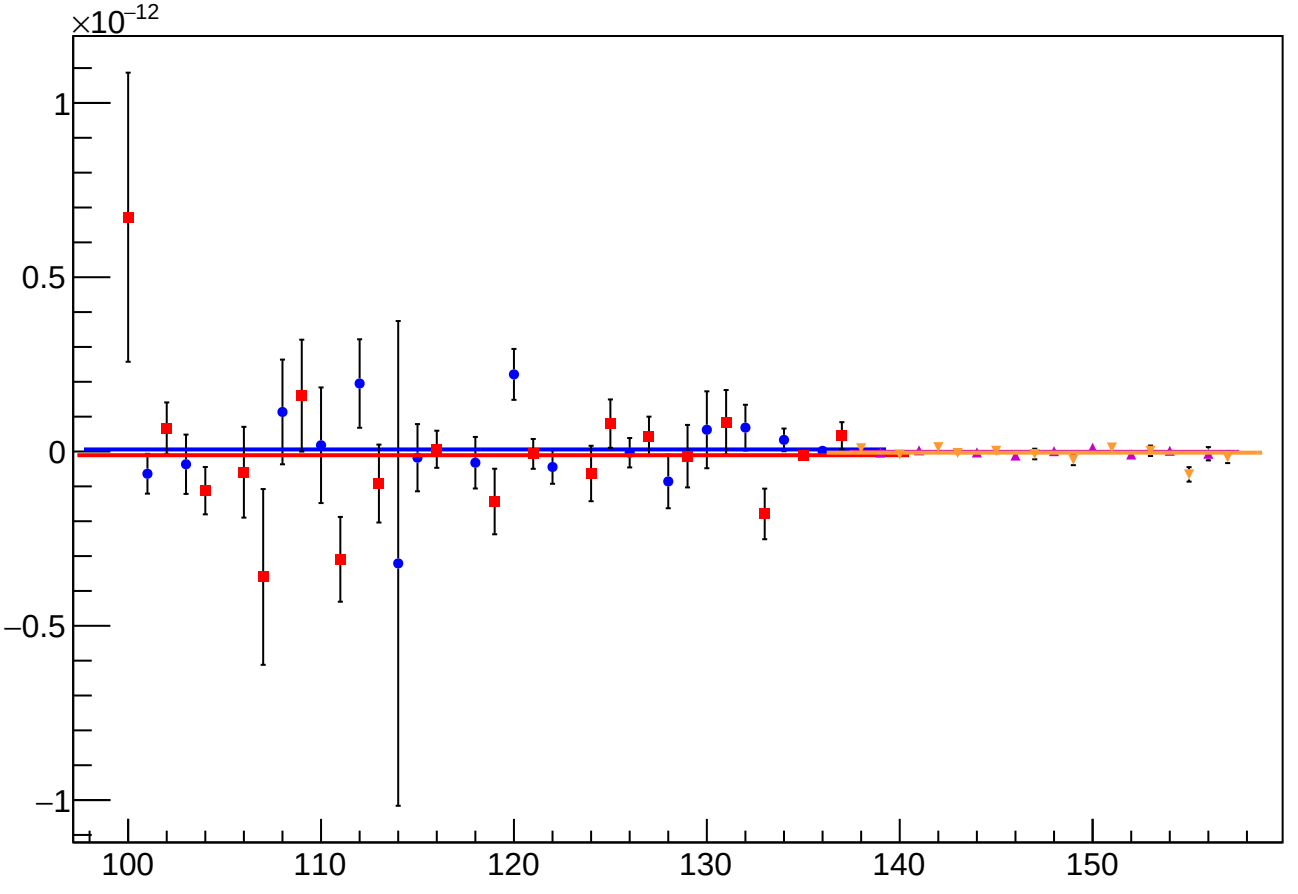
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 282.527+/-0.074 χ^2/NDF:736893.6/8

+ sign 338.969+/-0.066 χ^2/NDF: 5455507.6/26

All: 336.643+/-0.048 χ^2/NDF: 11815968.8/54

- sign 334.189+/-0.068 χ^2/NDF: 6357941.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/10

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

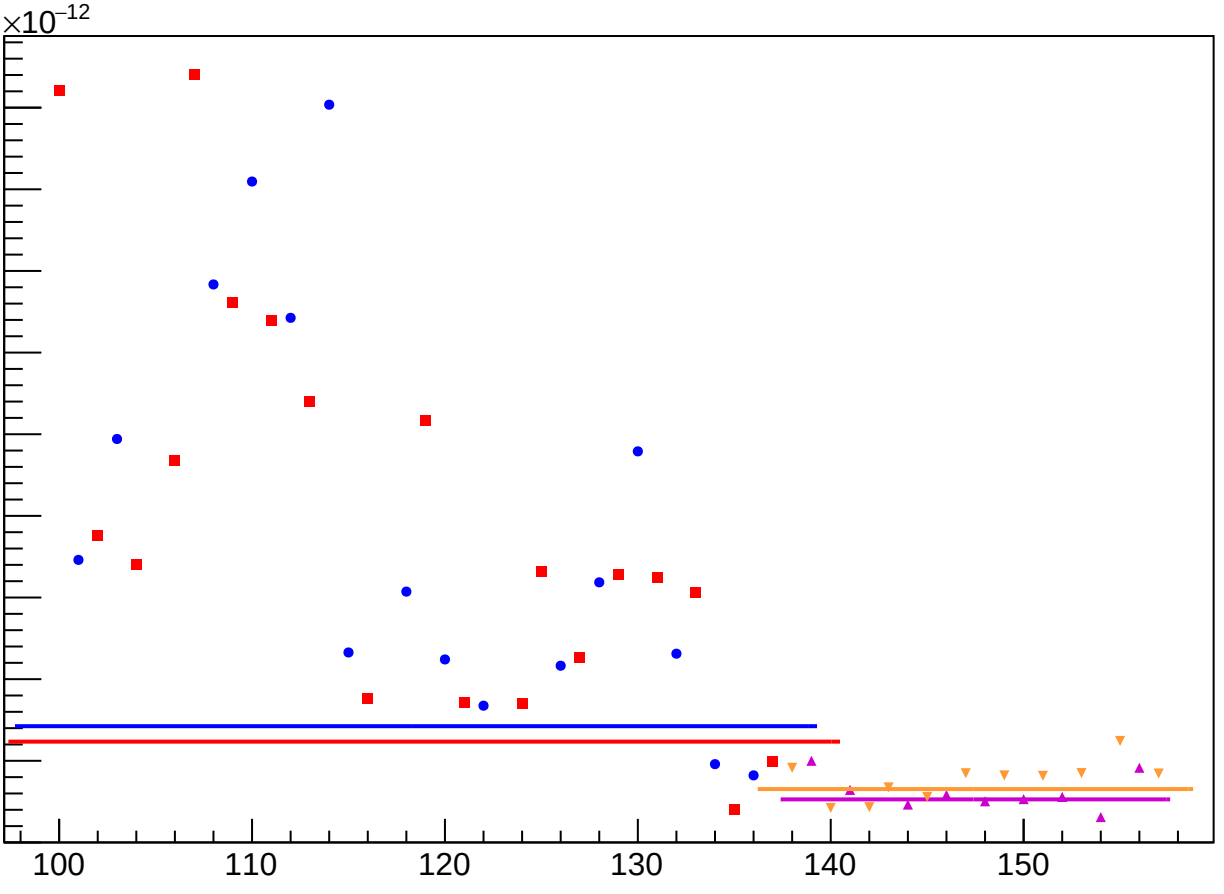
Left In: -0.000+/-0.000 χ^2/NDF:3.5/8

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/26

All: -0.000+/-0.000 χ^2/NDF: 69.3/54

- sign -0.000+/-0.000 χ^2/NDF: 33.8/27

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:653862.0/10

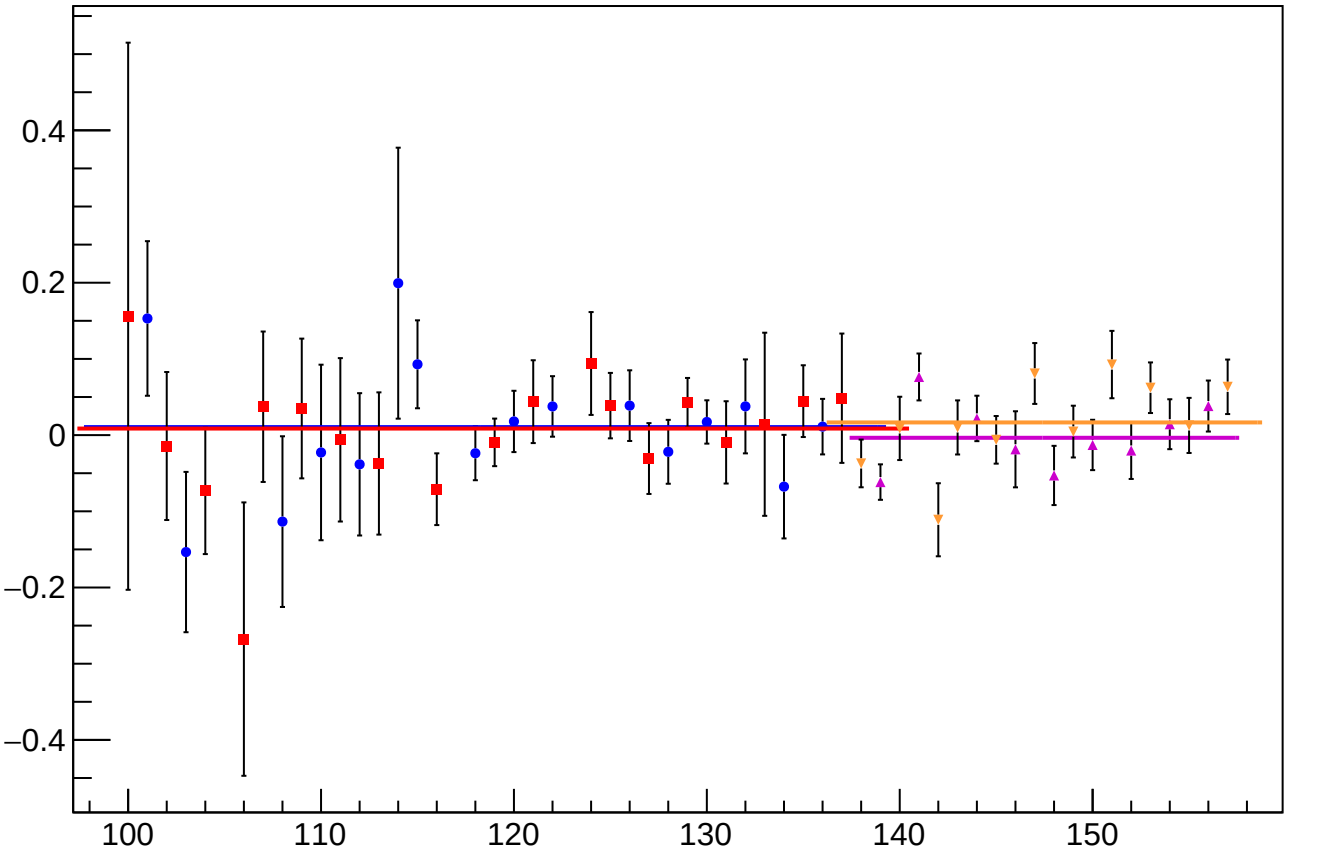
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:491312.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 4102962.9/26

All: 0.000+/-0.000 χ^2/NDF: 9075042.9/54

- sign 0.000+/-0.000 χ^2/NDF: 4782245.9/27



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

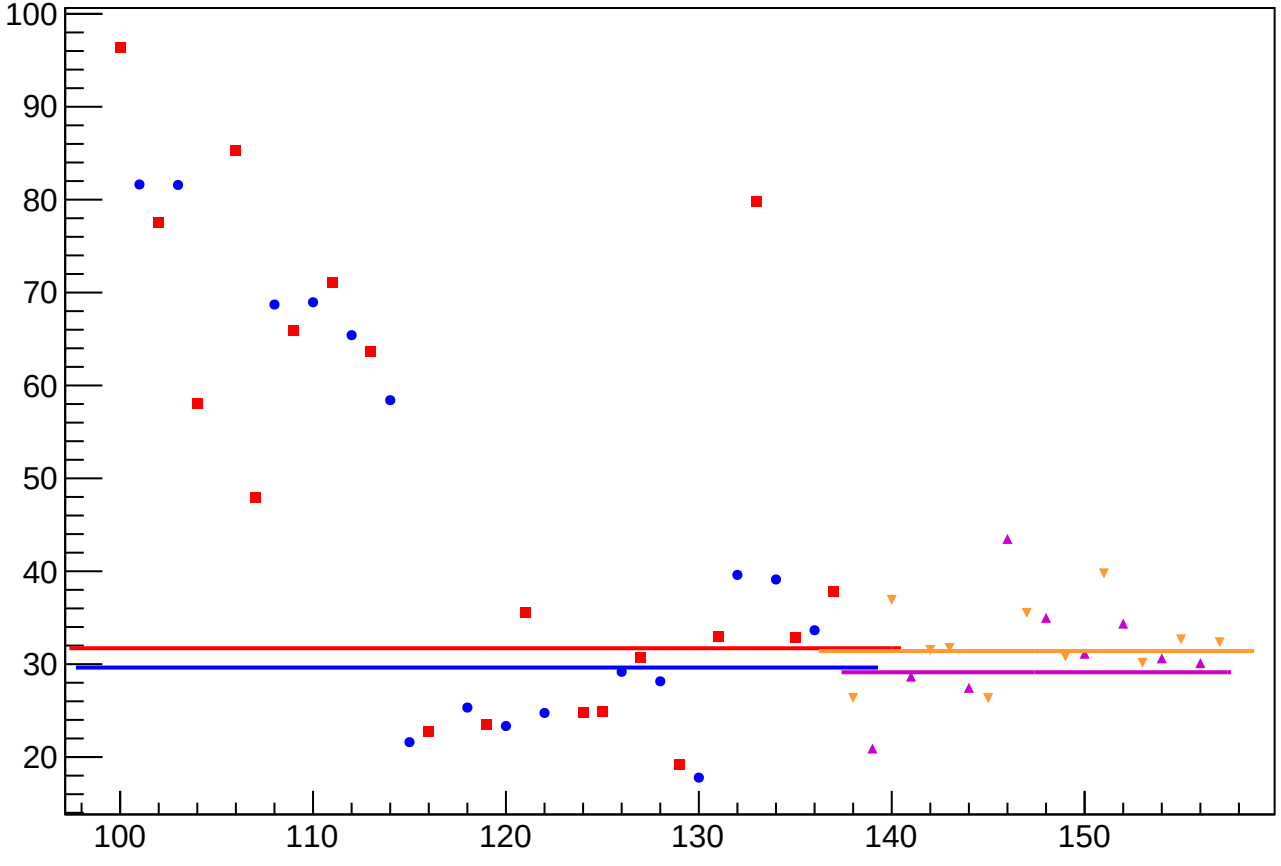
Left In: -0.004+/-0.011 χ^2/NDF:17.5/8

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.008+/-0.006 χ^2/NDF: 64.8/54

- sign 0.001+/-0.008 χ^2/NDF: 30.5/27

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

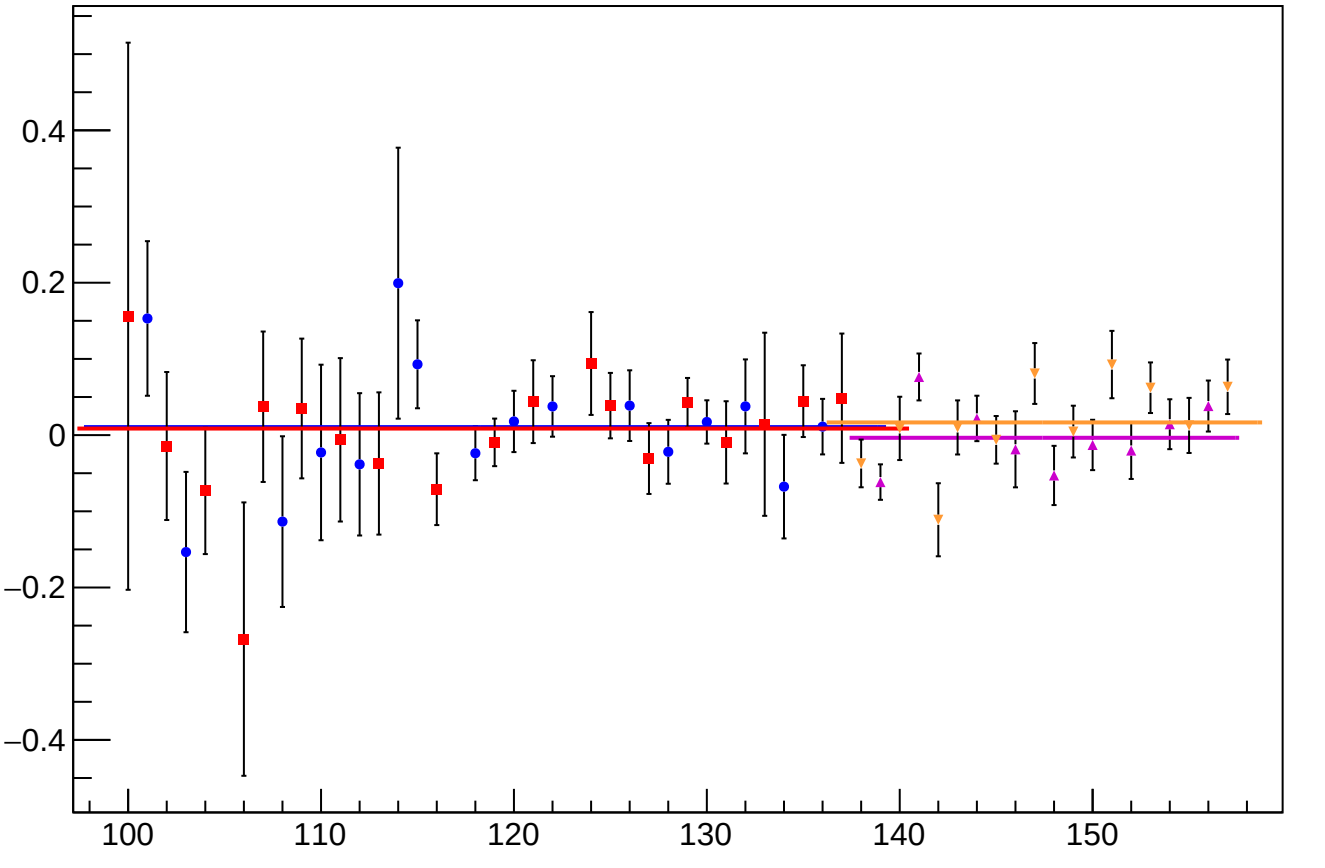
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.128+/-0.008 χ^2/NDF:518613.4/8

\+ sign 30.642+/-0.006 χ^2/NDF: 2711307.8/26

All: 30.405+/-0.004 χ^2/NDF: 5930430.7/54

\- sign 30.162+/-0.006 χ^2/NDF: 3215790.3/27



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

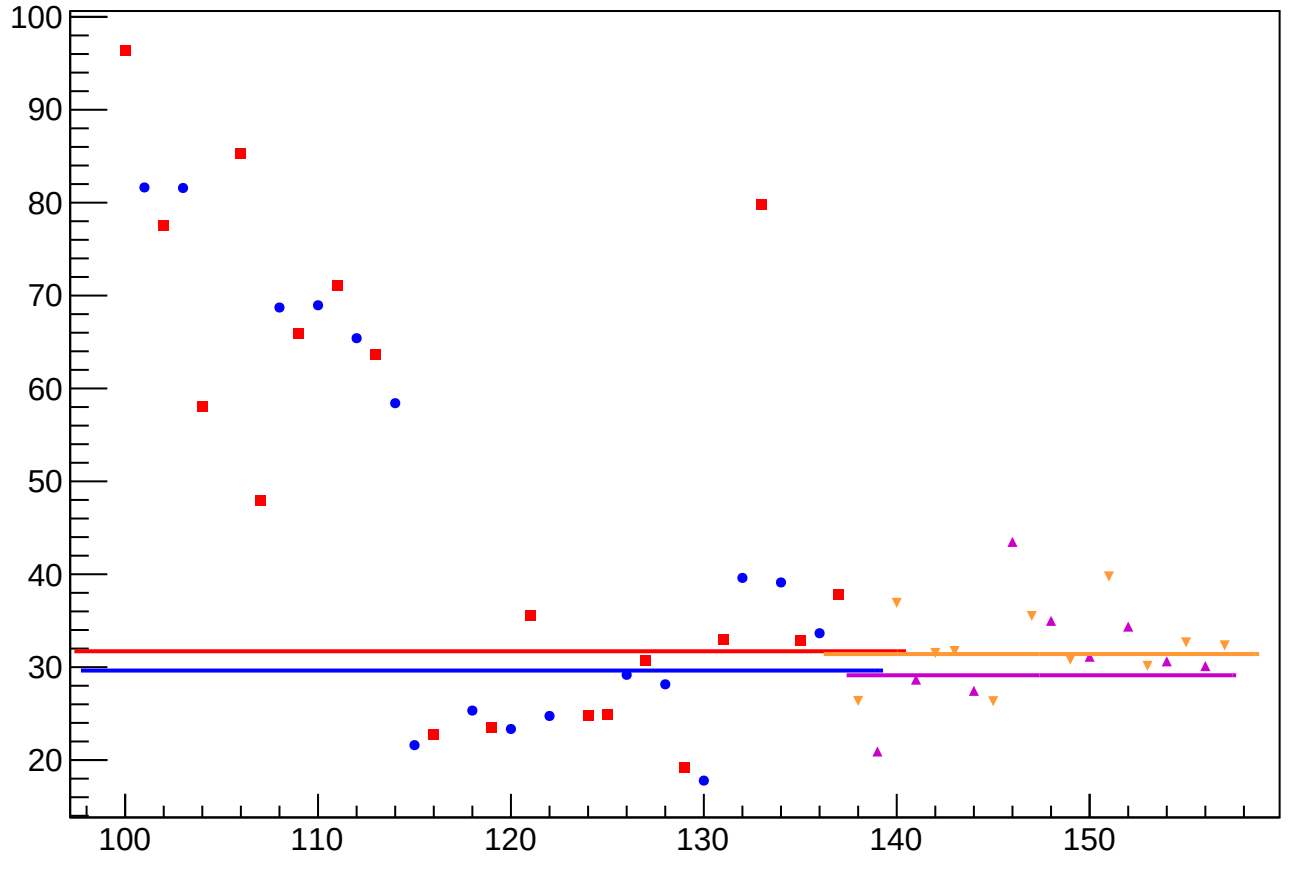
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.011 χ^2/NDF:17.5/8

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.008+/-0.006 χ^2/NDF: 64.8/54

- sign 0.001+/-0.008 χ^2/NDF: 30.5/27



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.411+/-0.008 χ^2/NDF:240136.4/10

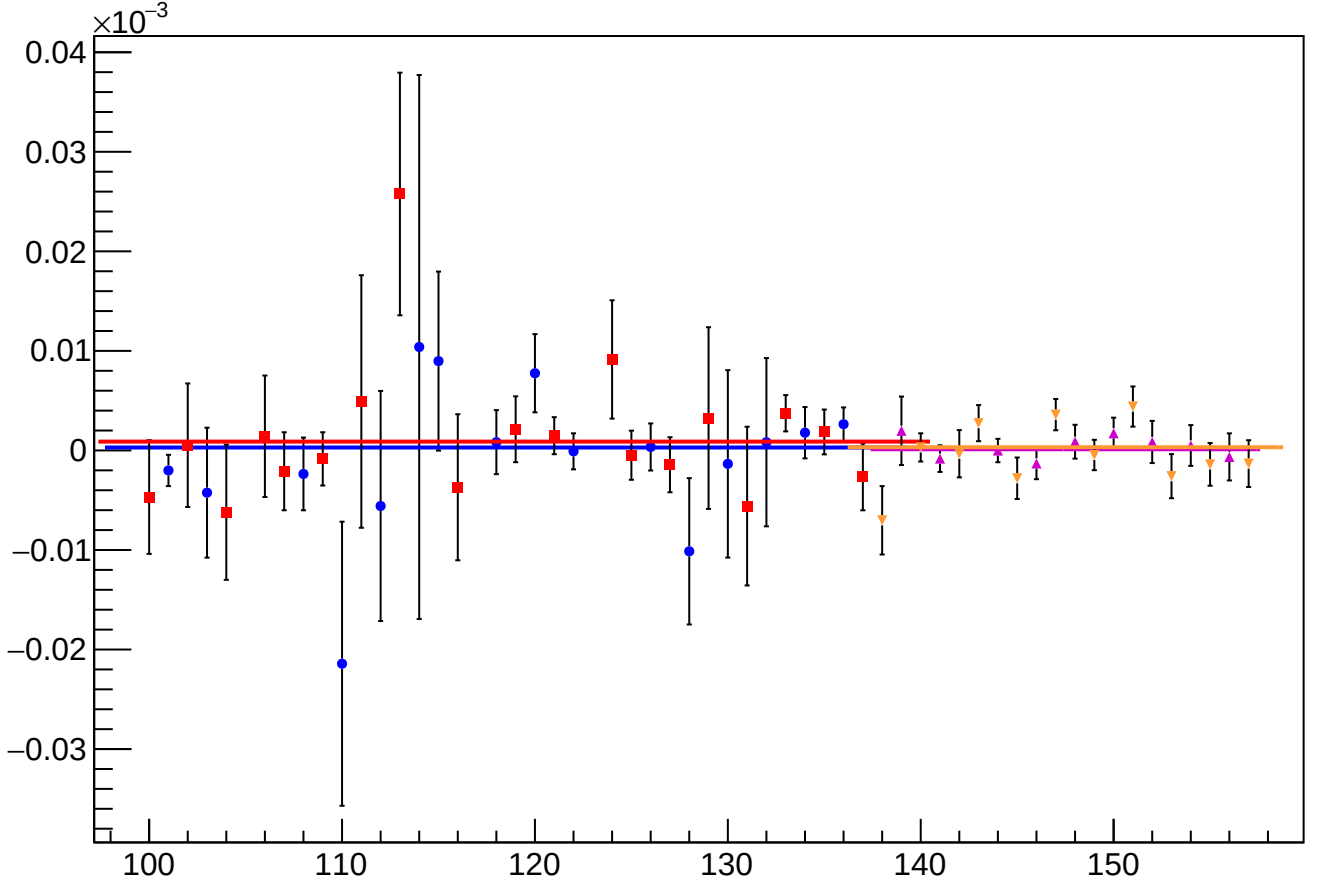
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.128+/-0.008 χ^2/NDF:518613.4/8

\+ sign 30.642+/-0.006 χ^2/NDF: 2711307.8/26

All: 30.405+/-0.004 χ^2/NDF: 5930430.7/54

\- sign 30.162+/-0.006 χ^2/NDF: 3215790.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/10

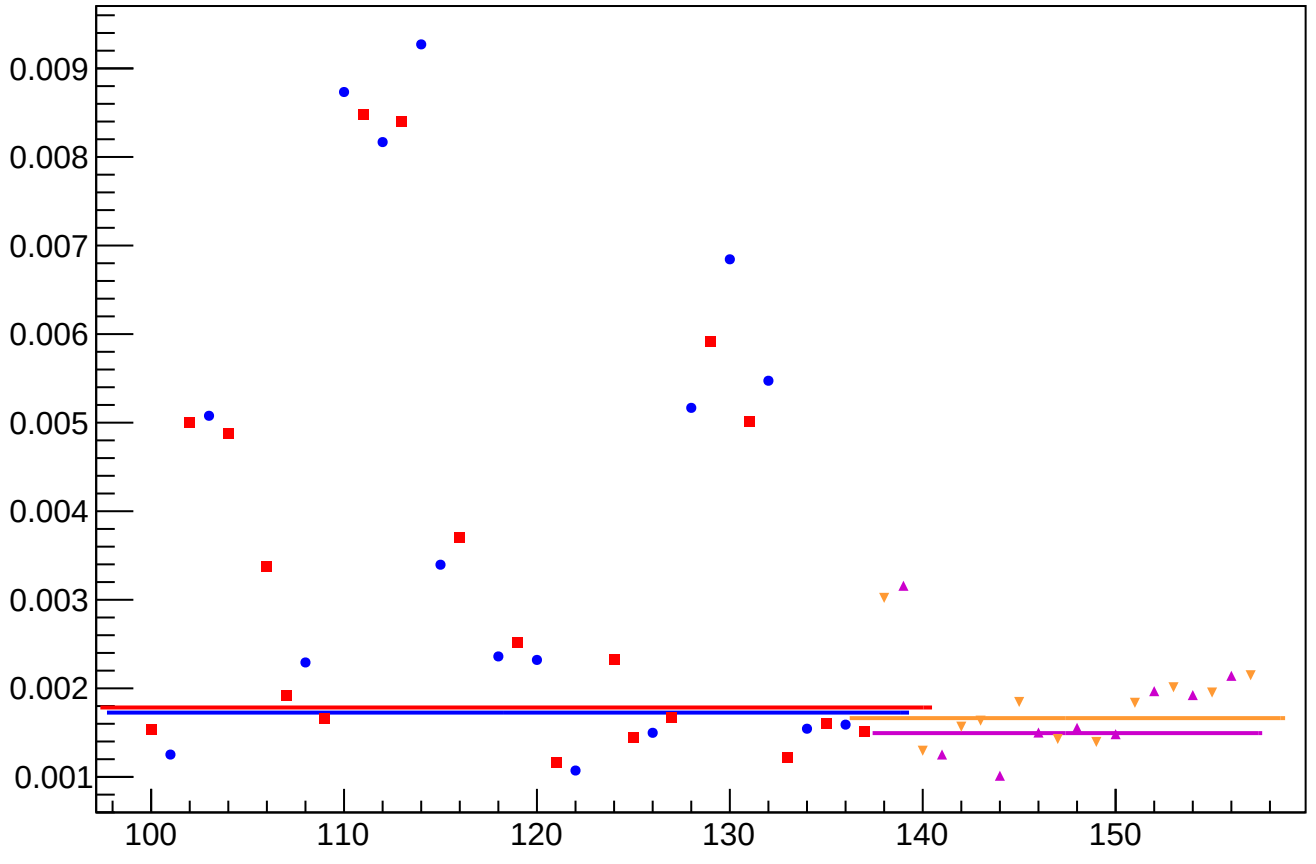
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/26

All: 0.000+/-0.000 χ^2/NDF: 54.2/54

- sign 0.000+/-0.000 χ^2/NDF: 19.1/27



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:758915.6/10

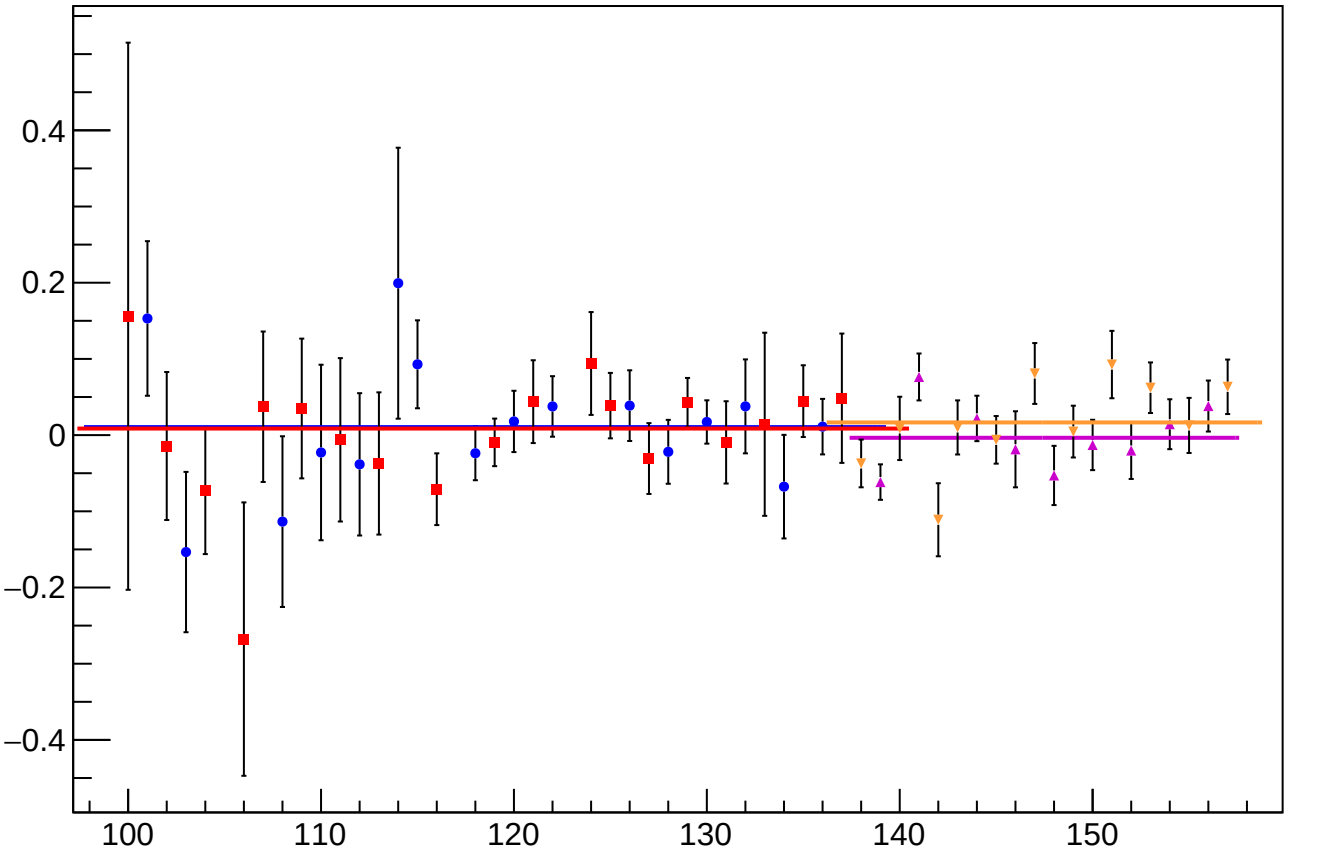
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1208561.4/8

+ sign 0.002+/-0.000 χ^2/NDF: 4699660.7/26

All: 0.002+/-0.000 χ^2/NDF: 9849990.4/54

- sign 0.002+/-0.000 χ^2/NDF: 5109595.5/27



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

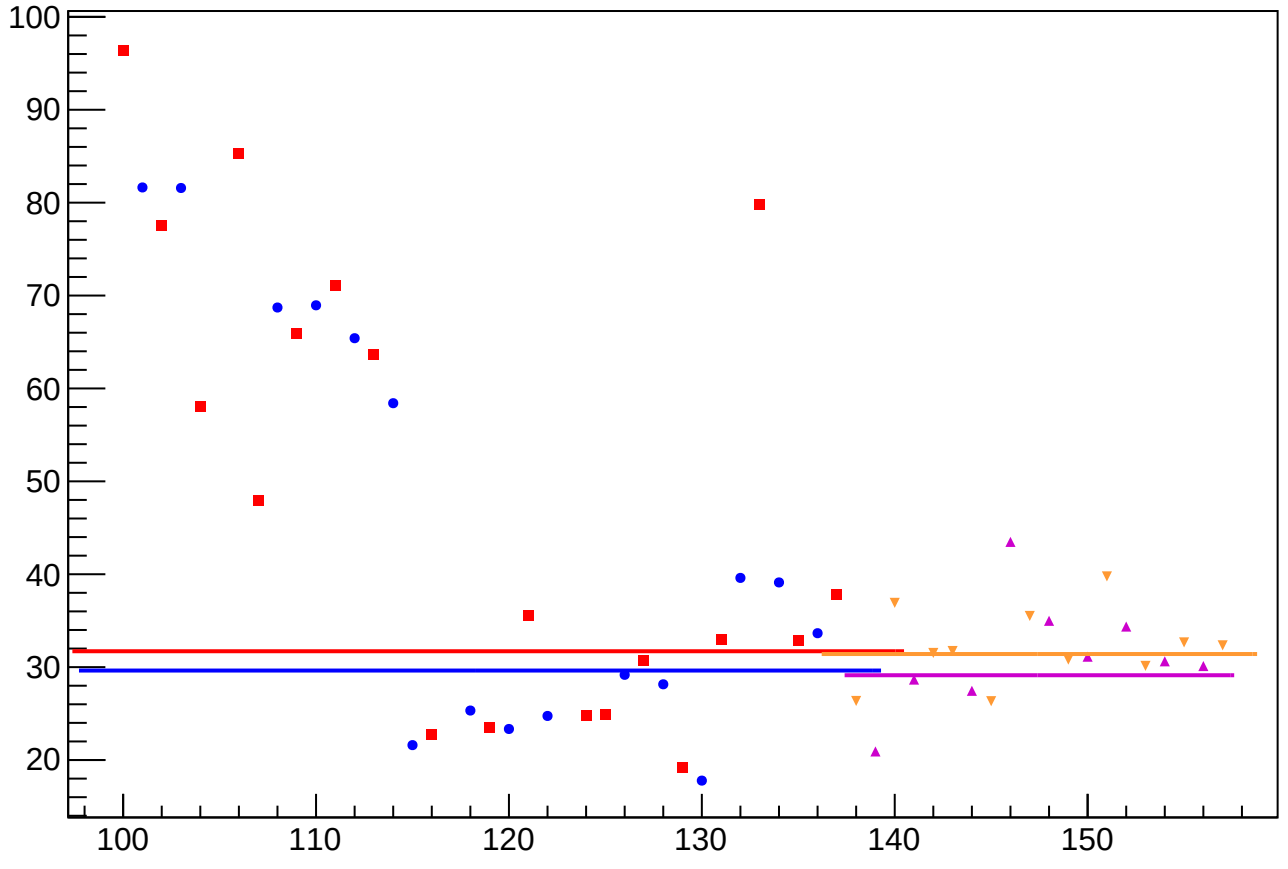
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.011 χ^2/NDF:17.5/8

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.008+/-0.006 χ^2/NDF: 64.8/54

- sign 0.001+/-0.008 χ^2/NDF: 30.5/27



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

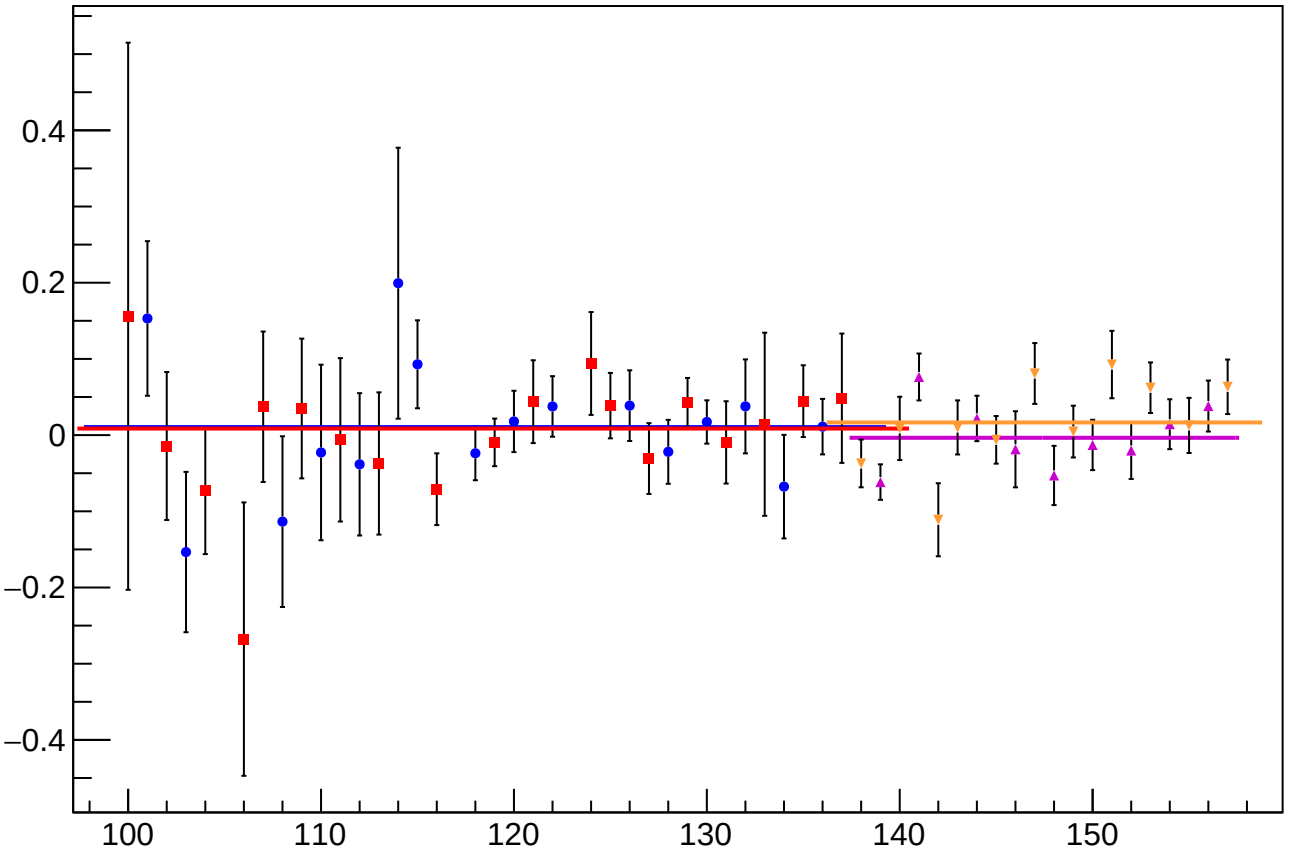
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.128+/-0.008 χ^2/NDF:518602.5/8

\+ sign 30.642+/-0.006 χ^2/NDF: 2711553.3/26

All: 30.405+/-0.004 χ^2/NDF: 5930774.0/54

\- sign 30.162+/-0.006 χ^2/NDF: 3215890.1/27



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.011 χ^2/NDF:19.9/10

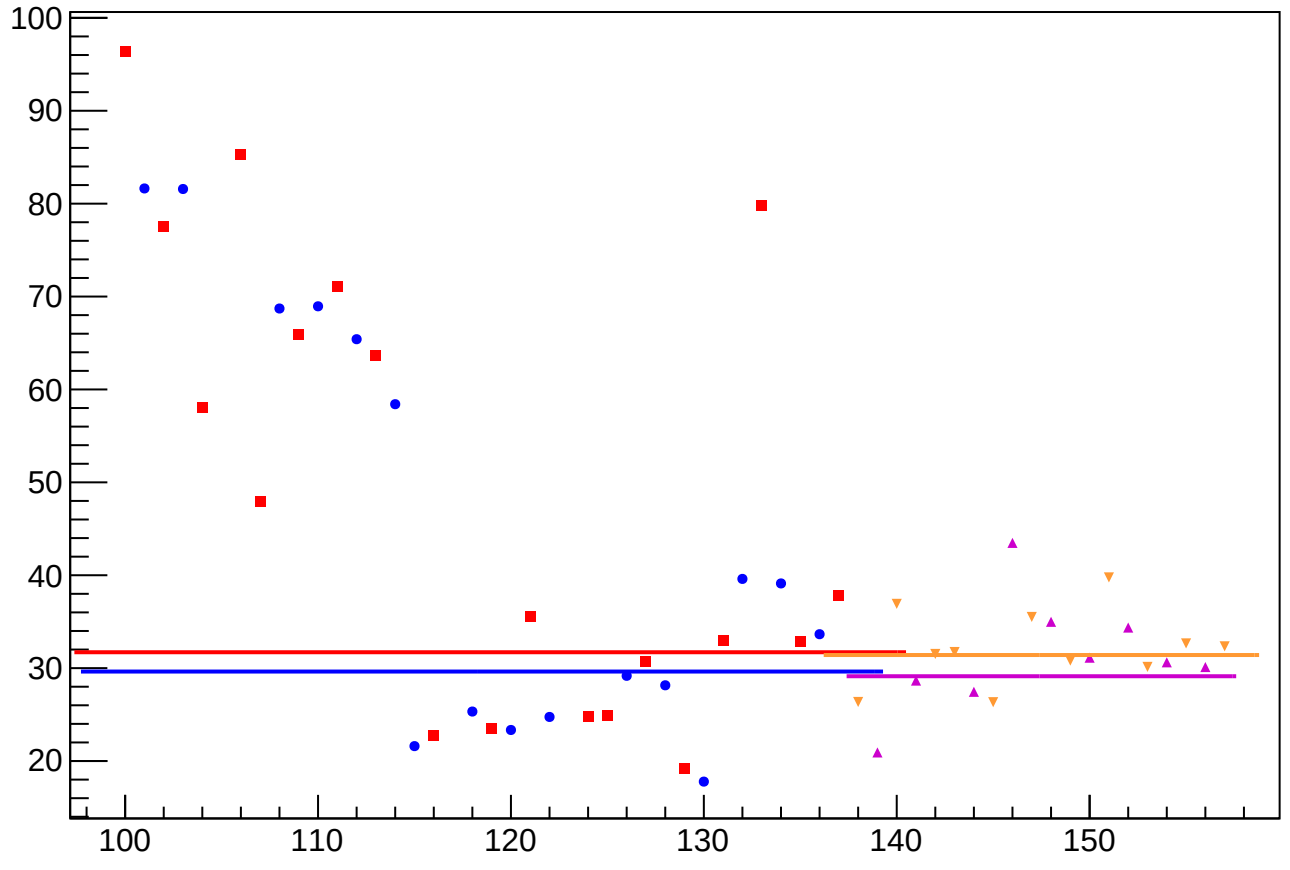
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.011 χ^2/NDF:17.5/8

+ sign 0.014+/-0.008 χ^2/NDF: 33.2/26

All: 0.008+/-0.006 χ^2/NDF: 64.8/54

- sign 0.001+/-0.008 χ^2/NDF: 30.5/27



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.411+/-0.008 χ^2/NDF:240137.2/10

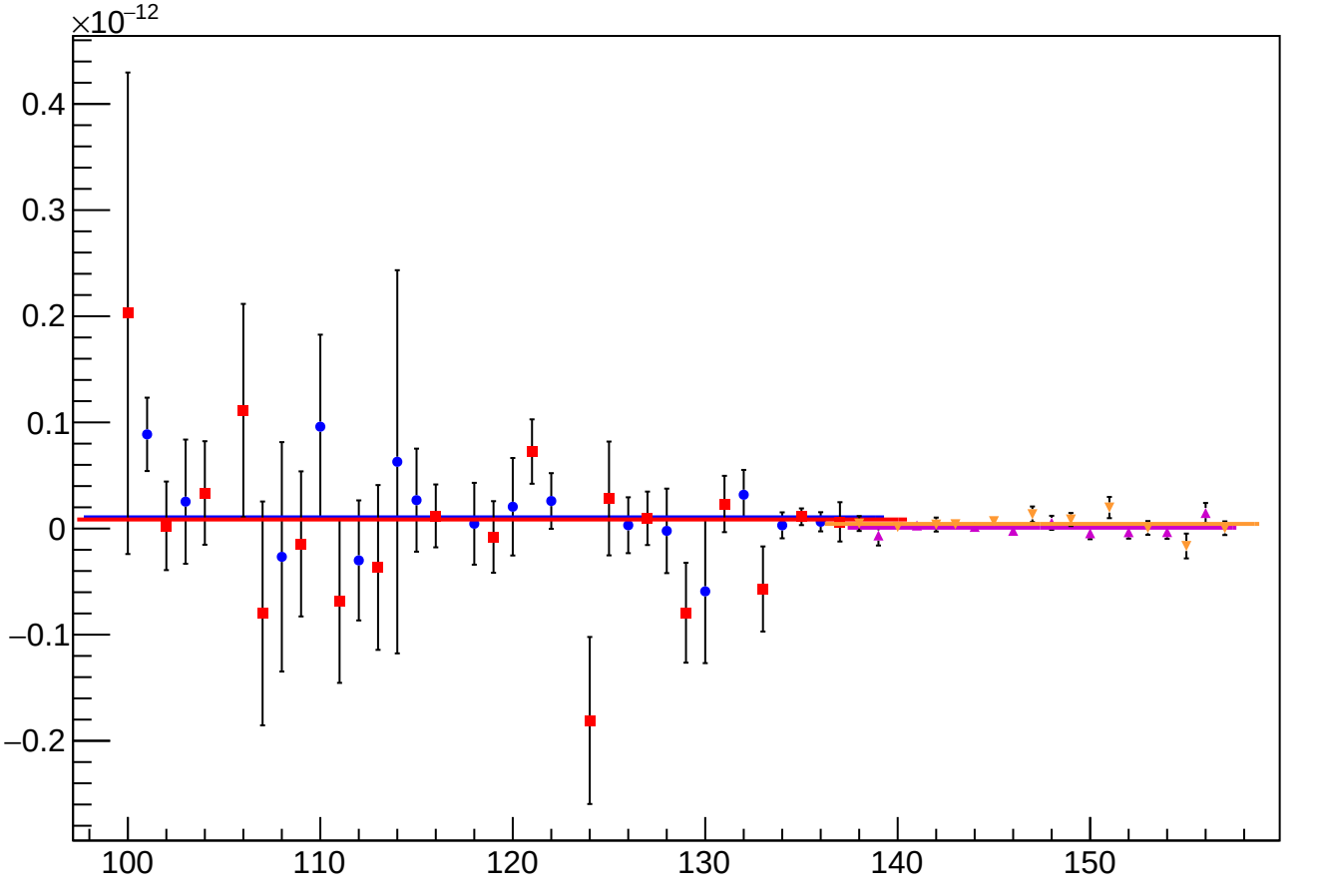
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.128+/-0.008 χ^2/NDF:518602.5/8

+ sign 30.642+/-0.006 χ^2/NDF: 2711553.3/26

All: 30.405+/-0.004 χ^2/NDF: 5930774.0/54

- sign 30.162+/-0.006 χ^2/NDF: 3215890.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/10

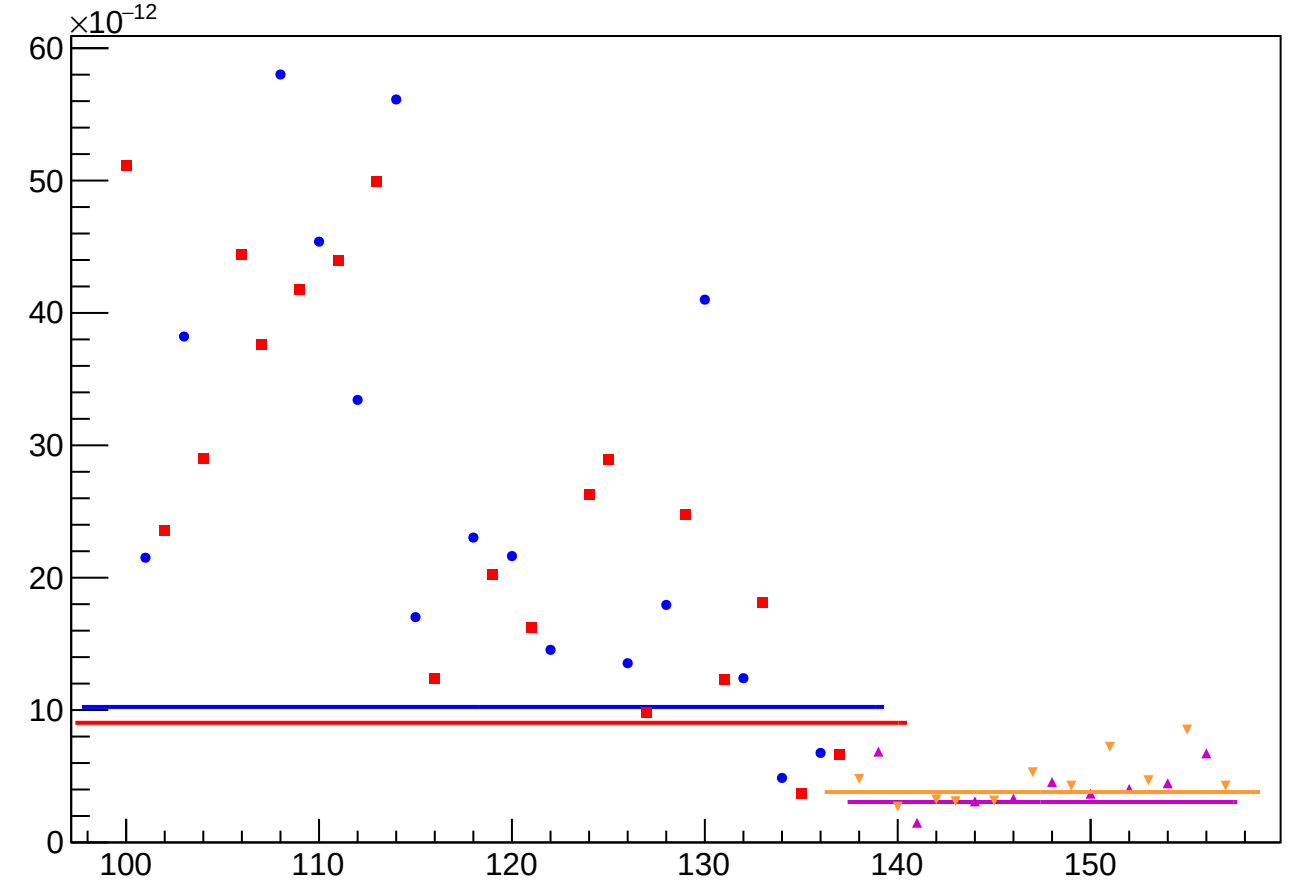
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 20.3/26

All: 0.000+/-0.000 χ^2/NDF: 51.7/54

- sign 0.000+/-0.000 χ^2/NDF: 29.0/27



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1024516.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

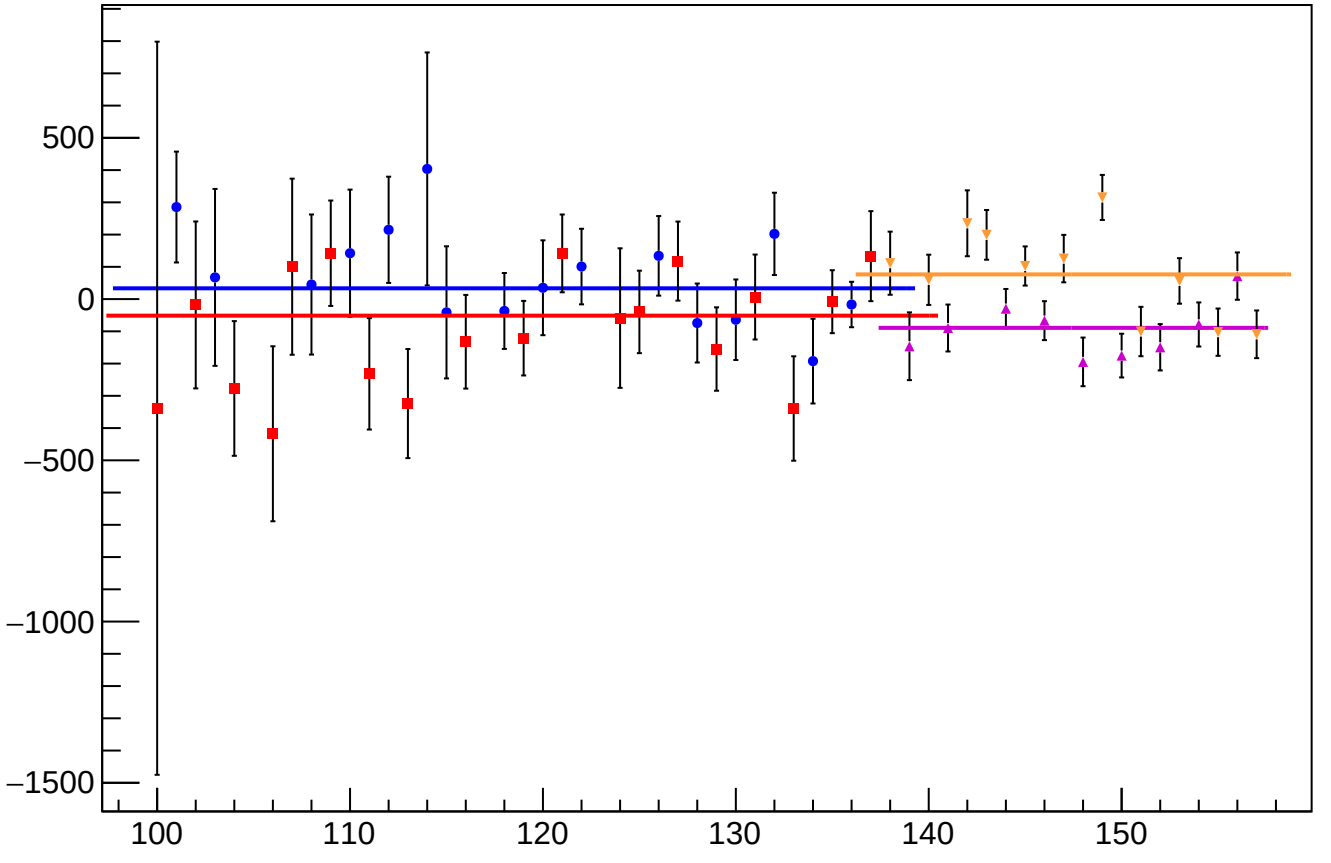
Left In: 0.000+/-0.000 χ^2/NDF:1587668.6/8

+ sign 0.000+/-0.000 χ^2/NDF: 6654842.7/26

All: 0.000+/-0.000 χ^2/NDF: 14917673.5/54

- sign 0.000+/-0.000 χ^2/NDF: 7999006.4/27

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.604+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

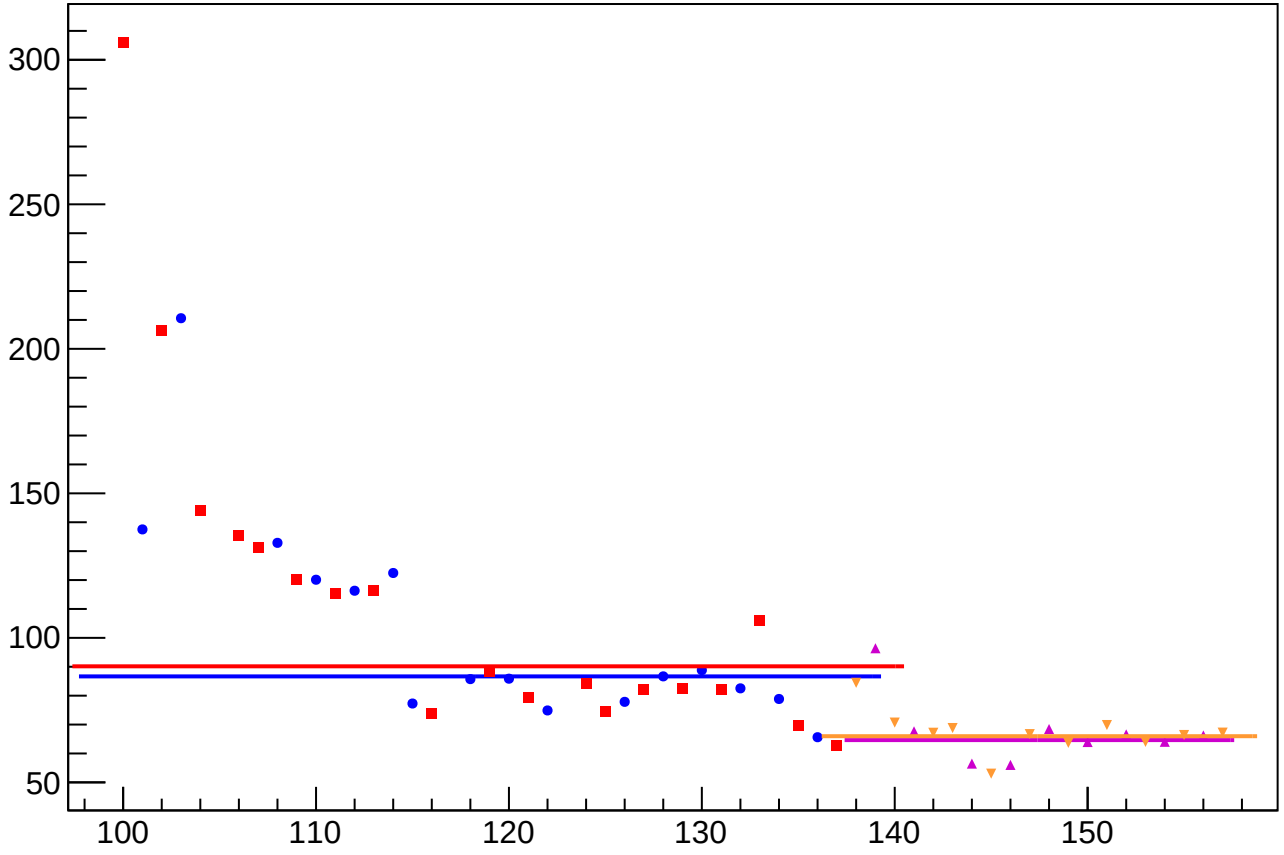
Left In: -89.211+/-23.509 χ^2/NDF:10.5/8

+ sign 63.198+/-18.880 χ^2/NDF: 49.1/26

All: -4.850+/-13.560 χ^2/NDF: 106.7/54

- sign -77.366+/-19.490 χ^2/NDF: 30.8/27

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

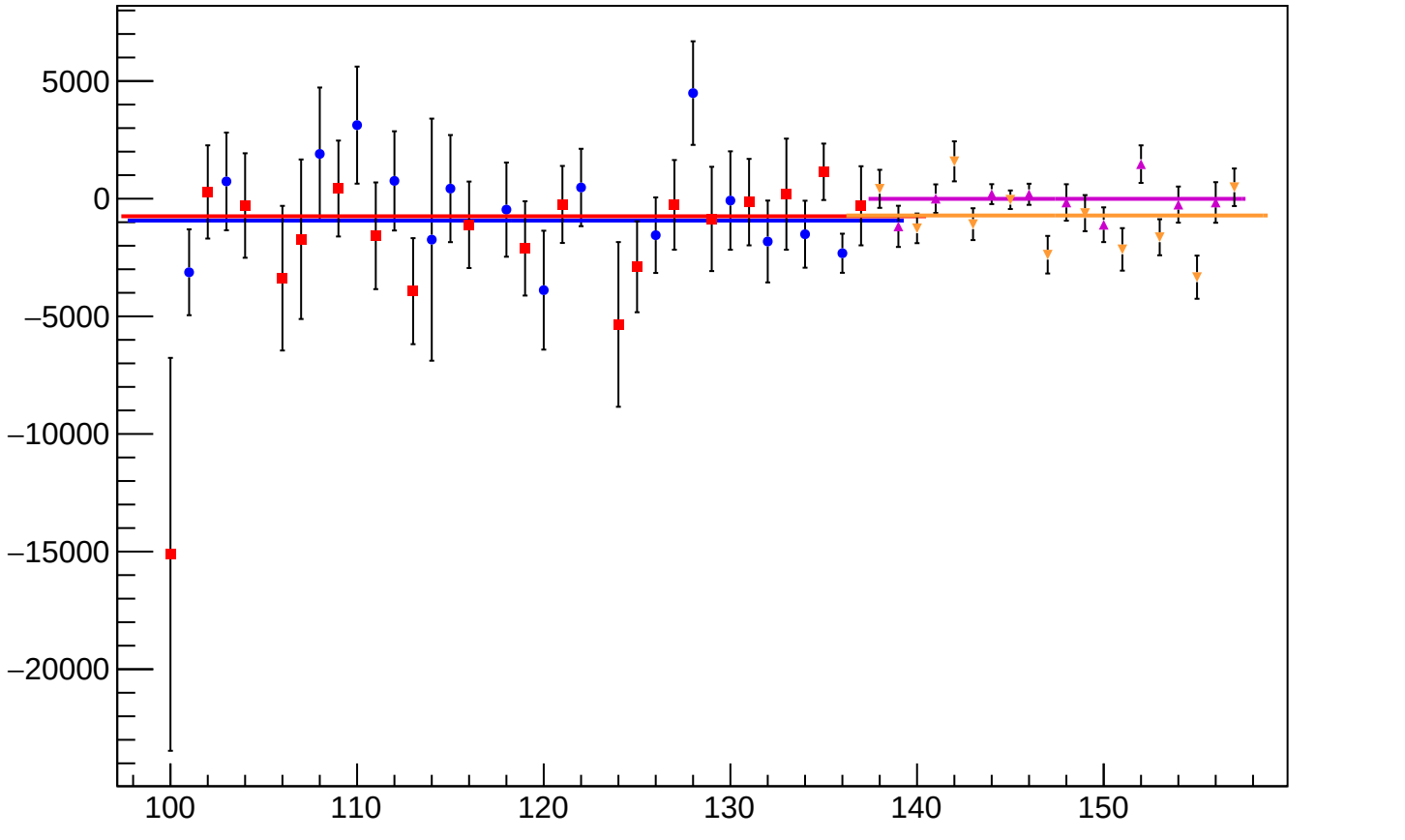
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.627+/-0.017 χ^2/NDF:270337.1/8

+ sign 72.400+/-0.013 χ^2/NDF: 1735477.2/26

All: 72.502+/-0.010 χ^2/NDF: 3893256.7/54

- sign 72.610+/-0.014 χ^2/NDF: 2157659.8/27



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -714.175+/-208.573 χ^2/NDF:32.0/10

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

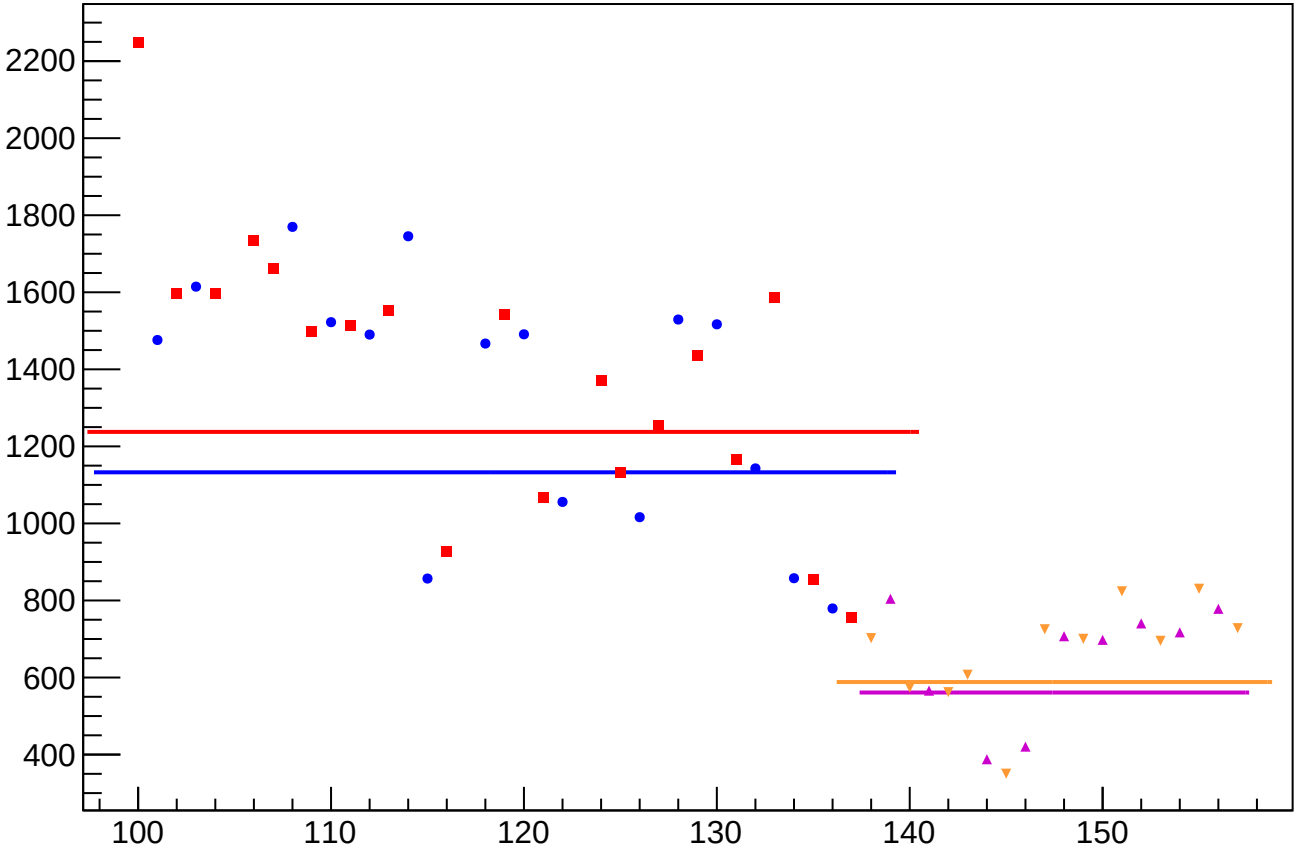
Left In: -6.695+/-209.845 χ^2/NDF:8.0/8

+ sign -753.610+/-188.540 χ^2/NDF: 50.7/26

All: -446.956+/-134.342 χ^2/NDF: 79.2/54

- sign -130.695+/-191.471 χ^2/NDF: 23.1/27

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247525.0/10

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

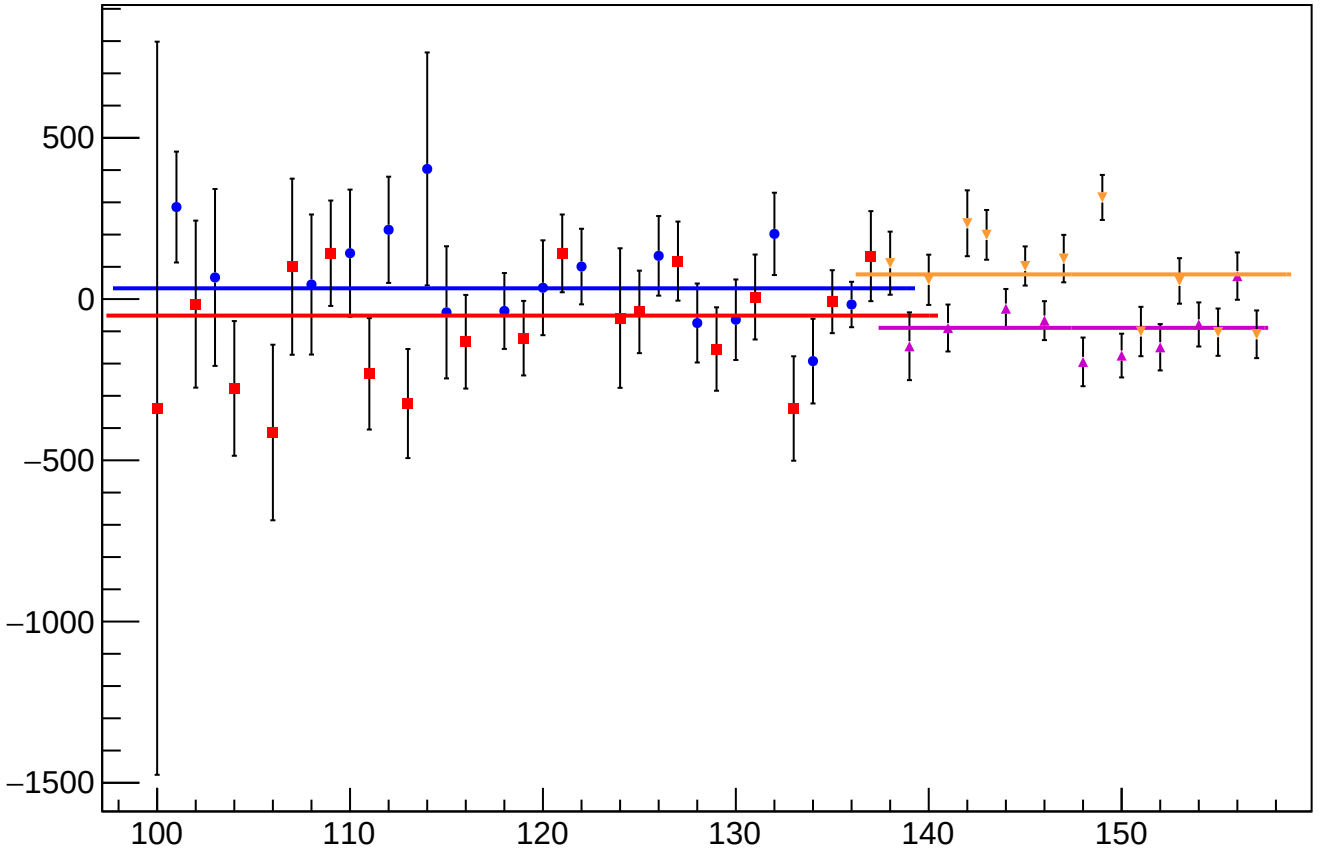
Left In: 561.064+/-0.148 χ^2/NDF:1136959.8/8

+ sign 687.848+/-0.133 χ^2/NDF: 4863279.6/26

All: 681.204+/-0.095 χ^2/NDF: 10381553.2/54

- sign 674.351+/-0.135 χ^2/NDF: 5513227.7/27

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

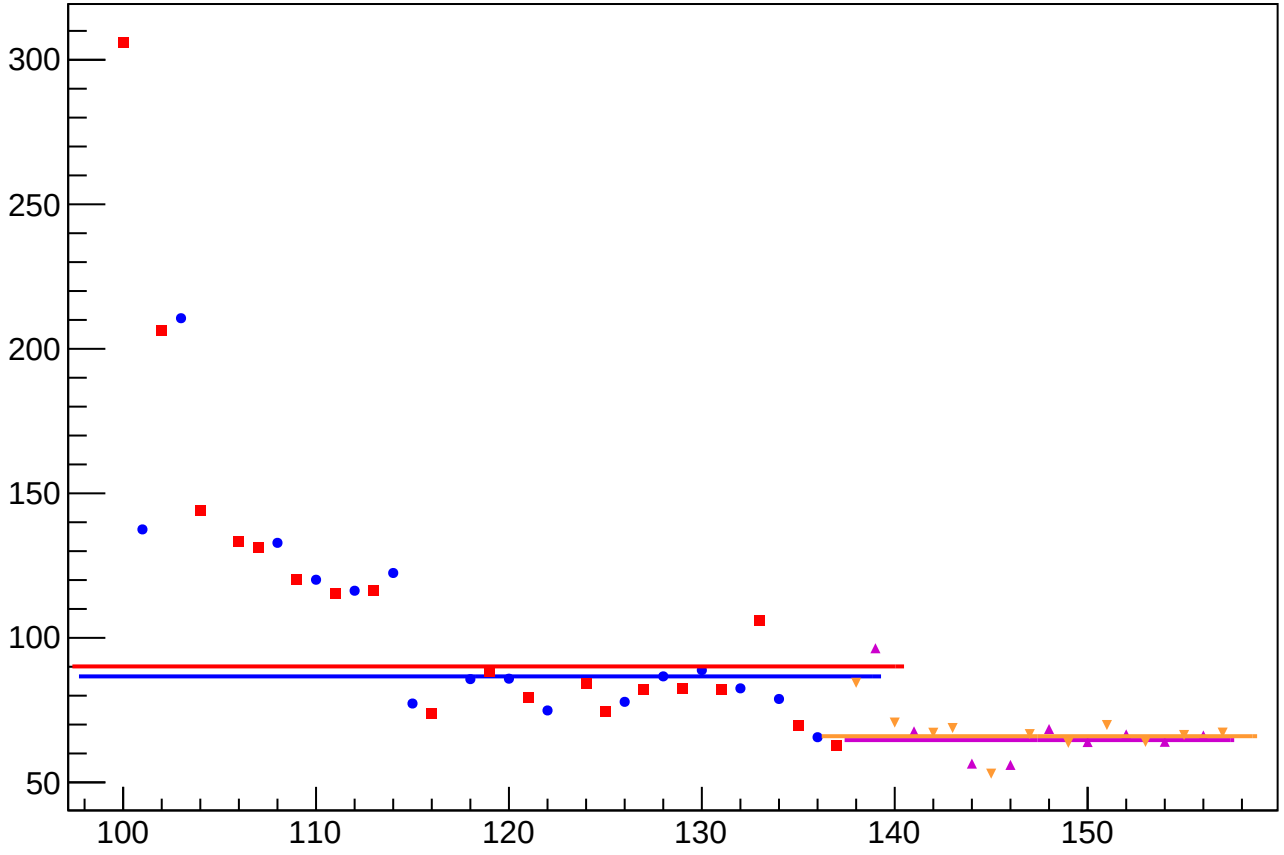
Left In: -89.211+/-23.509 χ^2/NDF:10.5/8

+ sign 63.199+/-18.880 χ^2/NDF: 49.1/26

All: -4.826+/-13.561 χ^2/NDF: 106.7/54

- sign -77.321+/-19.490 χ^2/NDF: 30.8/27

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

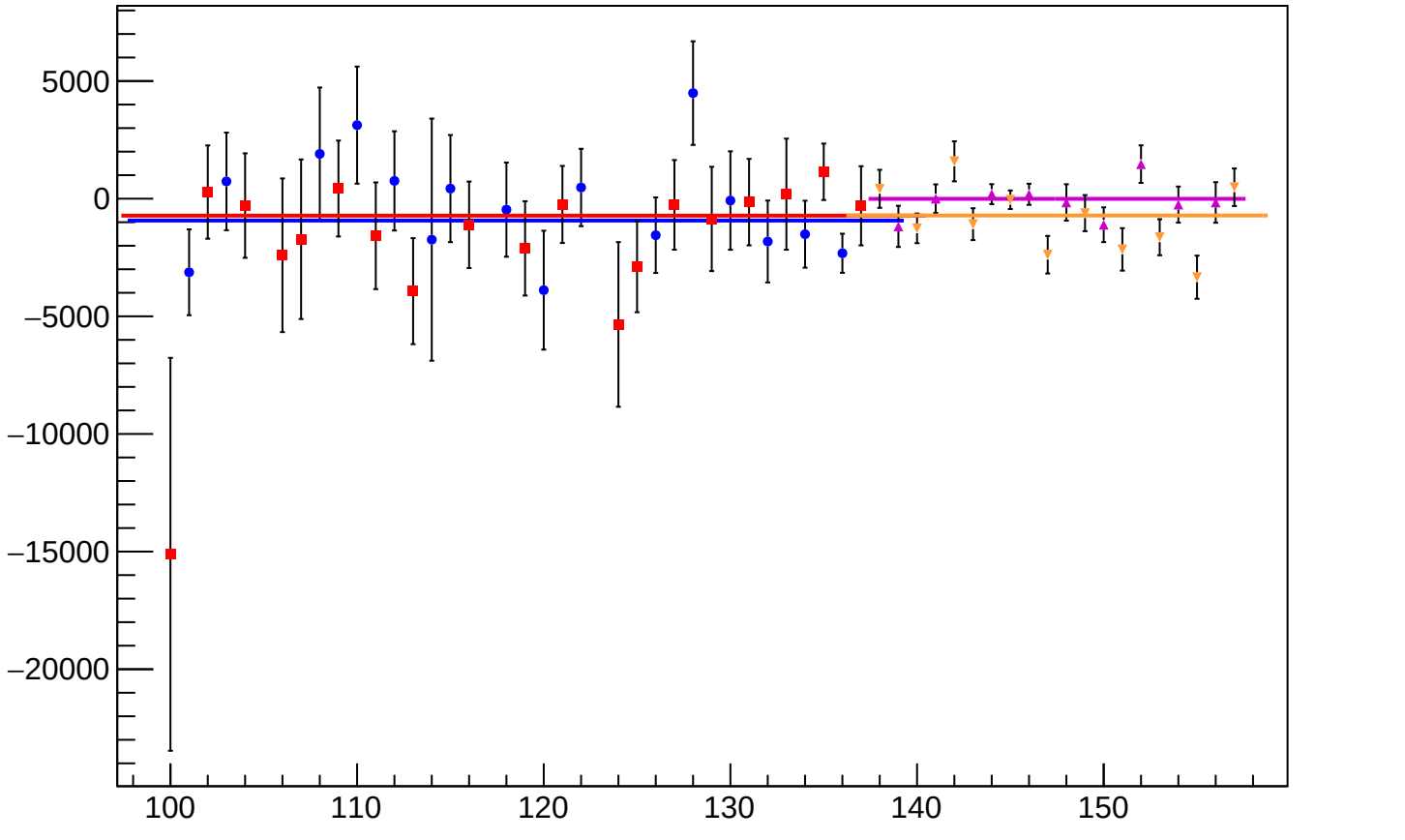
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.627+/-0.017 χ^2/NDF:270337.1/8

+ sign 72.400+/-0.013 χ^2/NDF: 1735479.7/26

All: 72.496+/-0.010 χ^2/NDF: 3886349.4/54

- sign 72.598+/-0.014 χ^2/NDF: 2150763.6/27



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -714.169+/-208.573 χ^2/NDF:32.0/10

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

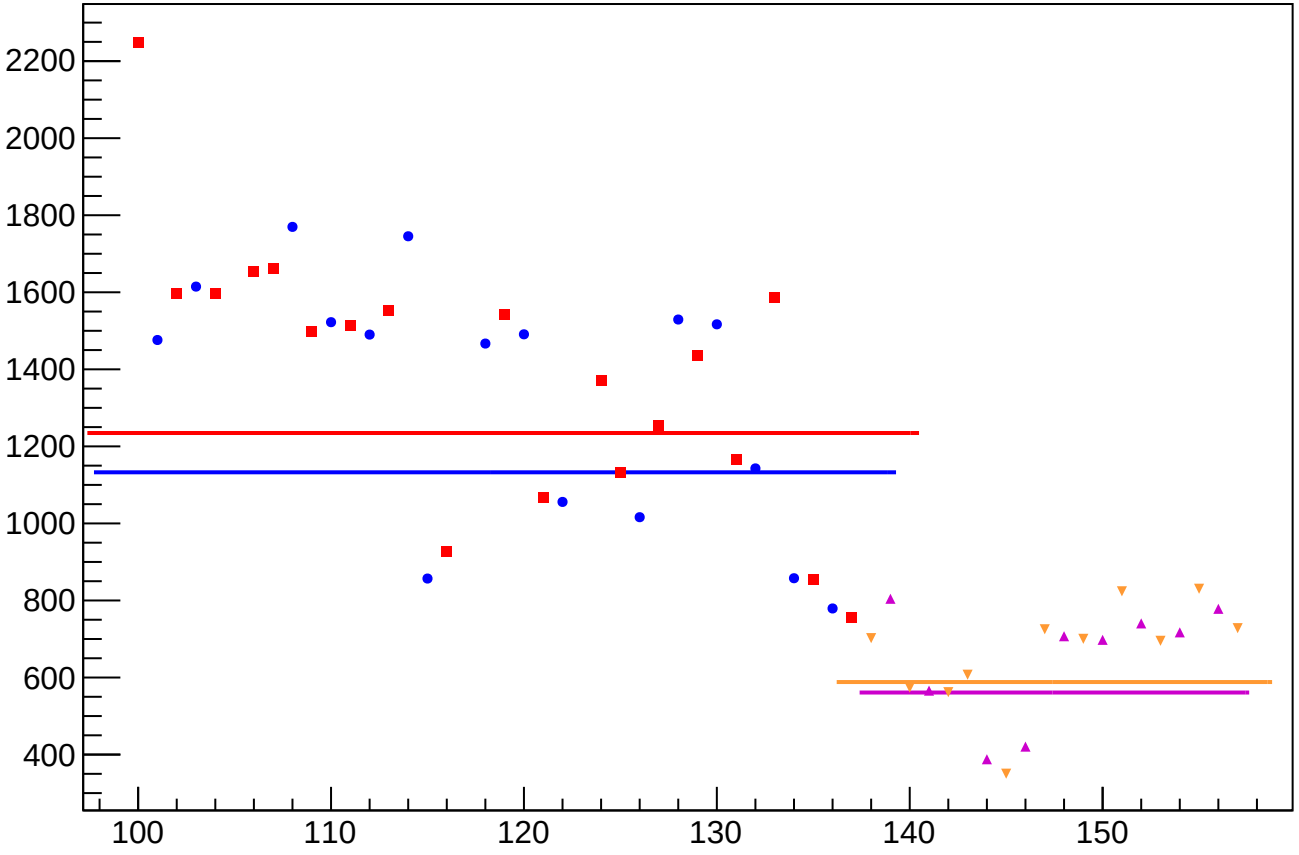
Left In: -6.696+/-209.845 χ^2/NDF:8.0/8

+ sign -753.599+/-188.540 χ^2/NDF: 50.7/26

All: -444.696+/-134.357 χ^2/NDF: 78.7/54

- sign -125.971+/-191.514 χ^2/NDF: 22.5/27

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

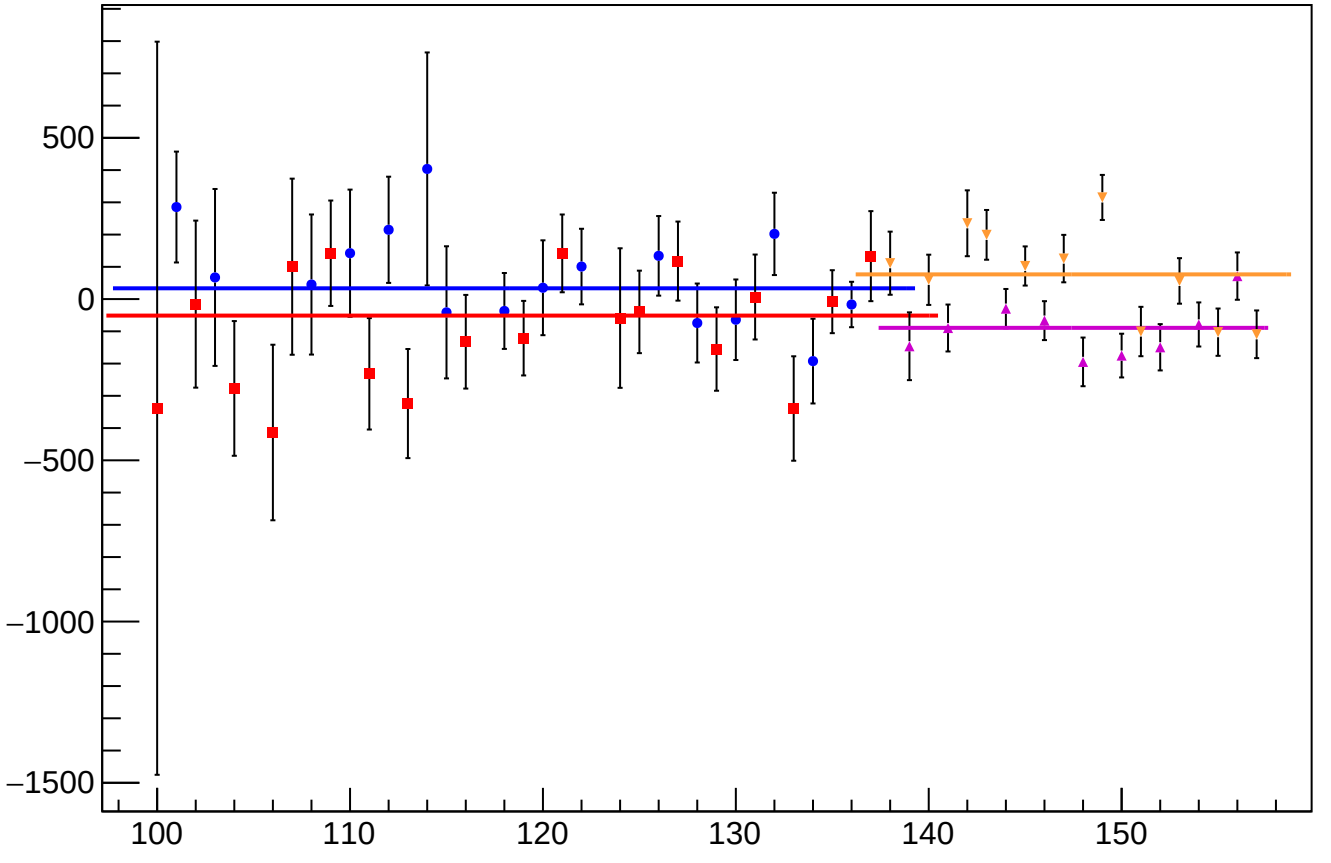
Left In: 561.064+/-0.148 χ^2/NDF:1136960.2/8

+ sign 687.848+/-0.133 χ^2/NDF: 4863322.6/26

All: 680.842+/-0.095 χ^2/NDF: 10325704.3/54

- sign 673.613+/-0.135 χ^2/NDF: 5456770.4/27

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 76.609+/-22.737 χ^2/NDF:35.1/10

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

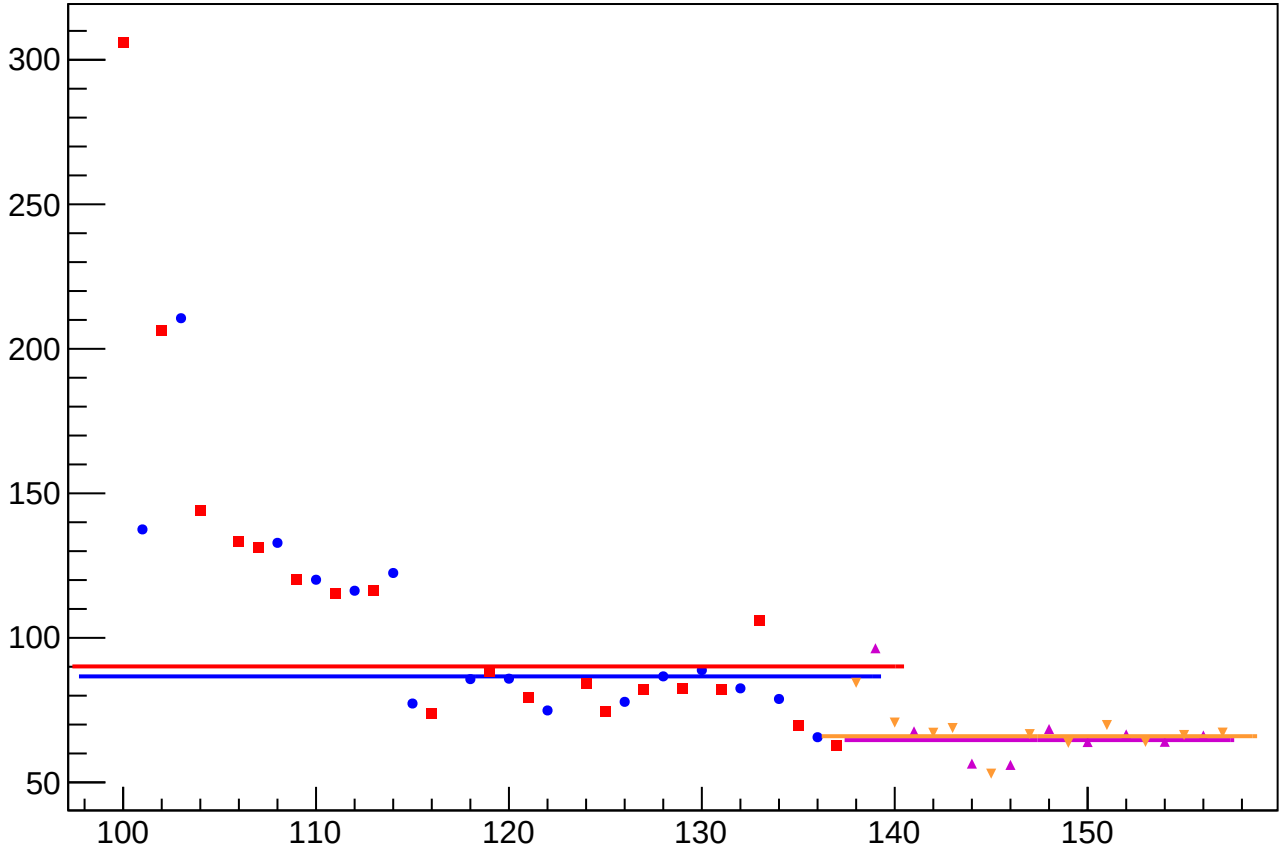
Left In: -89.211+/-23.509 χ^2/NDF:10.5/8

+ sign 63.199+/-18.880 χ^2/NDF: 49.1/26

All: -4.826+/-13.561 χ^2/NDF: 106.7/54

- sign -77.321+/-19.490 χ^2/NDF: 30.8/27

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.976+/-0.016 χ^2/NDF:182383.3/10

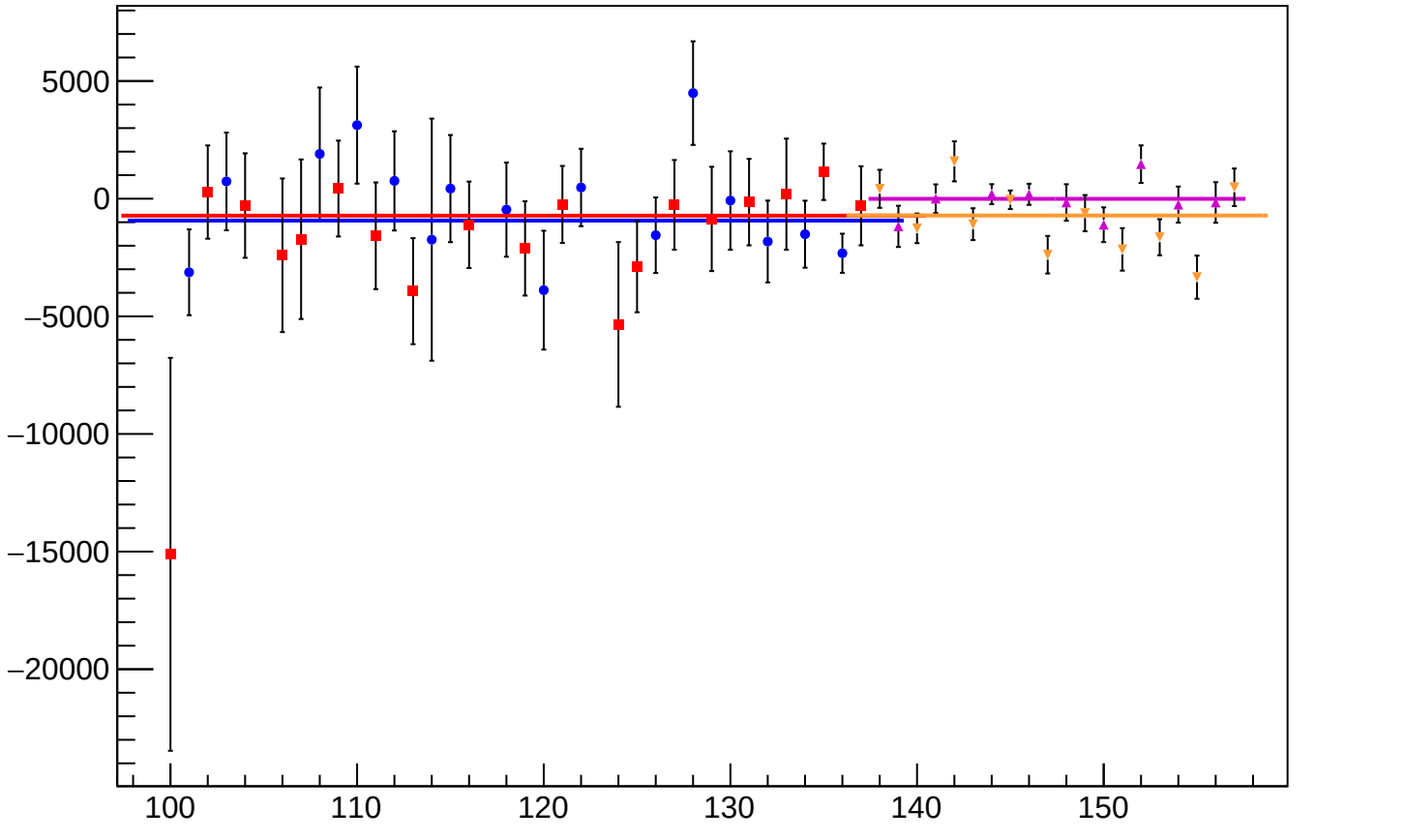
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.627+/-0.017 χ^2/NDF:270337.1/8

+ sign 72.400+/-0.013 χ^2/NDF: 1735479.7/26

All: 72.496+/-0.010 χ^2/NDF: 3886349.4/54

- sign 72.598+/-0.014 χ^2/NDF: 2150763.6/27



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -714.169+/-208.573 χ^2/NDF:32.0/10

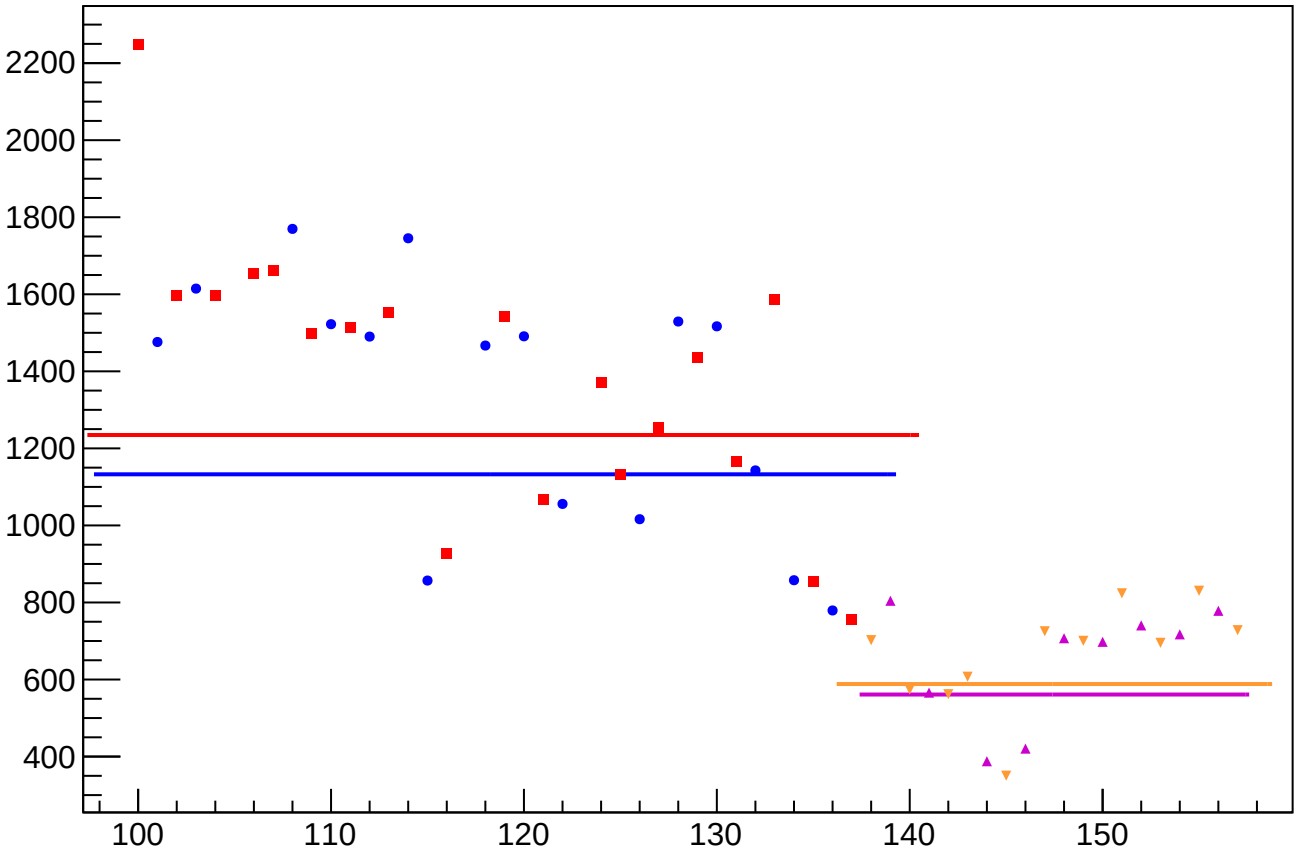
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -6.696+/-209.845 χ^2/NDF:8.0/8

+ sign -753.599+/-188.540 χ^2/NDF: 50.7/26

All: -444.696+/-134.357 χ^2/NDF: 78.7/54

- sign -125.971+/-191.514 χ^2/NDF: 22.5/27



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 588.296+/-0.147 χ^2/NDF:1247527.8/10

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

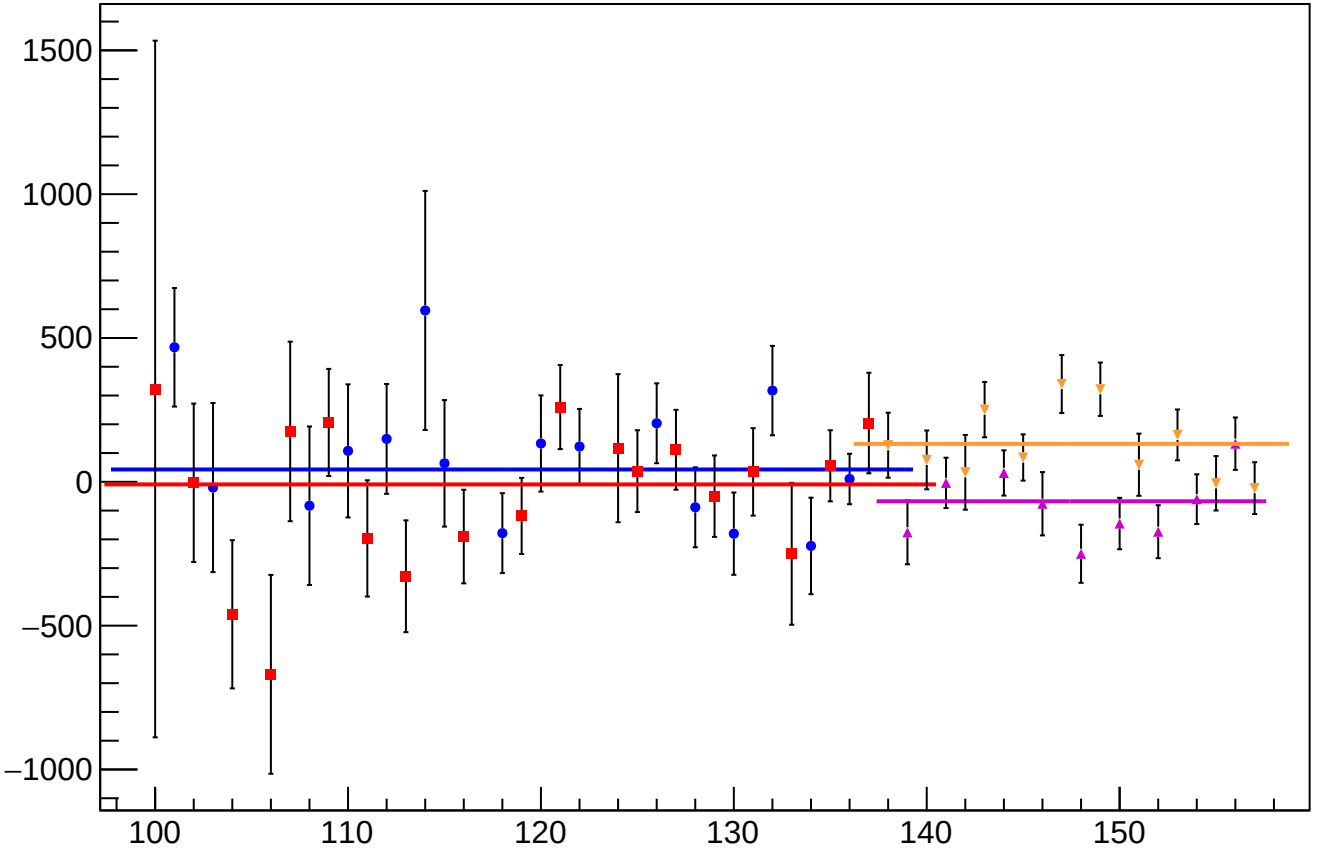
Left In: 561.064+/-0.148 χ^2/NDF:1136960.2/8

+ sign 687.848+/-0.133 χ^2/NDF: 4863322.6/26

All: 680.842+/-0.095 χ^2/NDF: 10325704.3/54

- sign 673.613+/-0.135 χ^2/NDF: 5456770.4/27

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

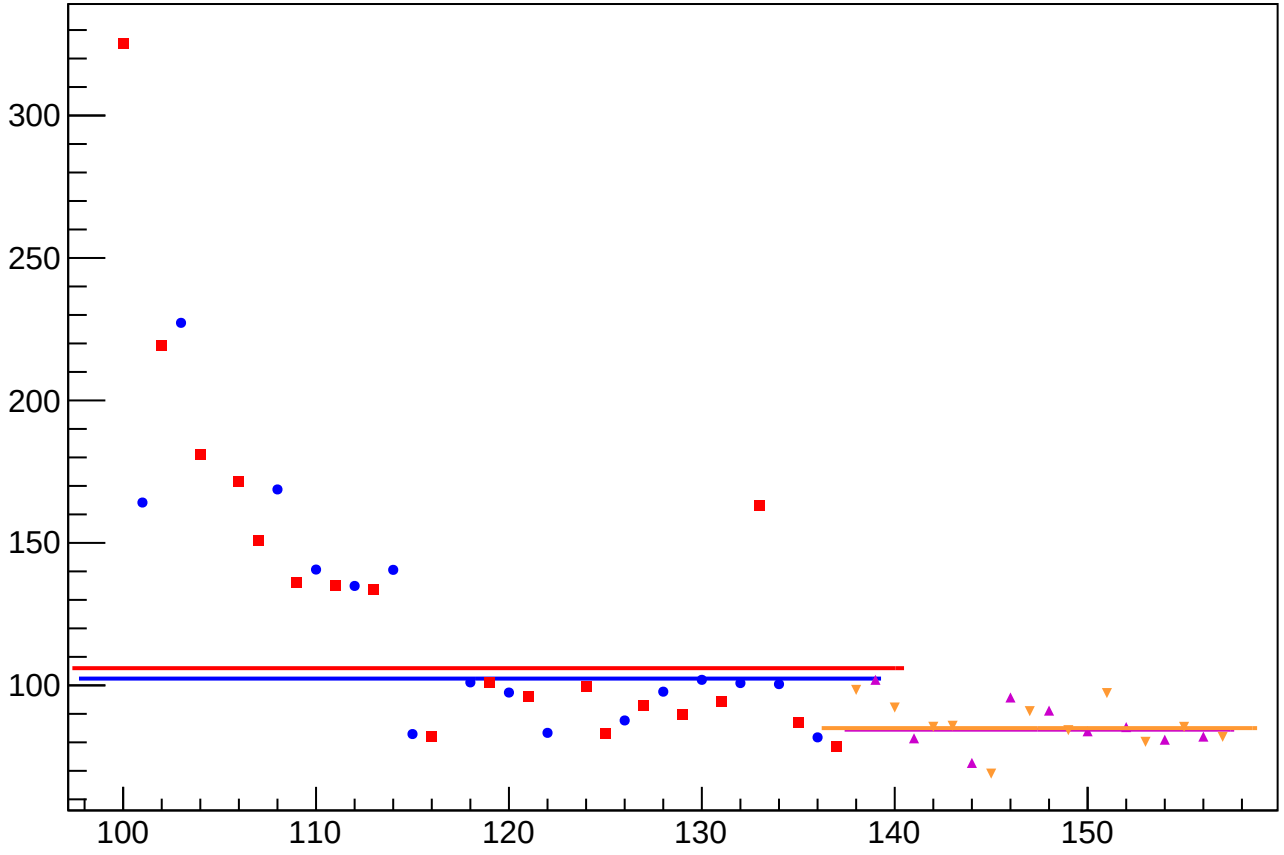
Left In: -67.698+/-30.839 χ^2/NDF:13.2/8

+ sign 100.682+/-23.665 χ^2/NDF: 40.3/26

All: 30.103+/-17.074 χ^2/NDF: 94.7/54

- sign -46.524+/-24.658 χ^2/NDF: 35.9/27

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.995+/-0.021 χ^2/NDF:158388.9/10

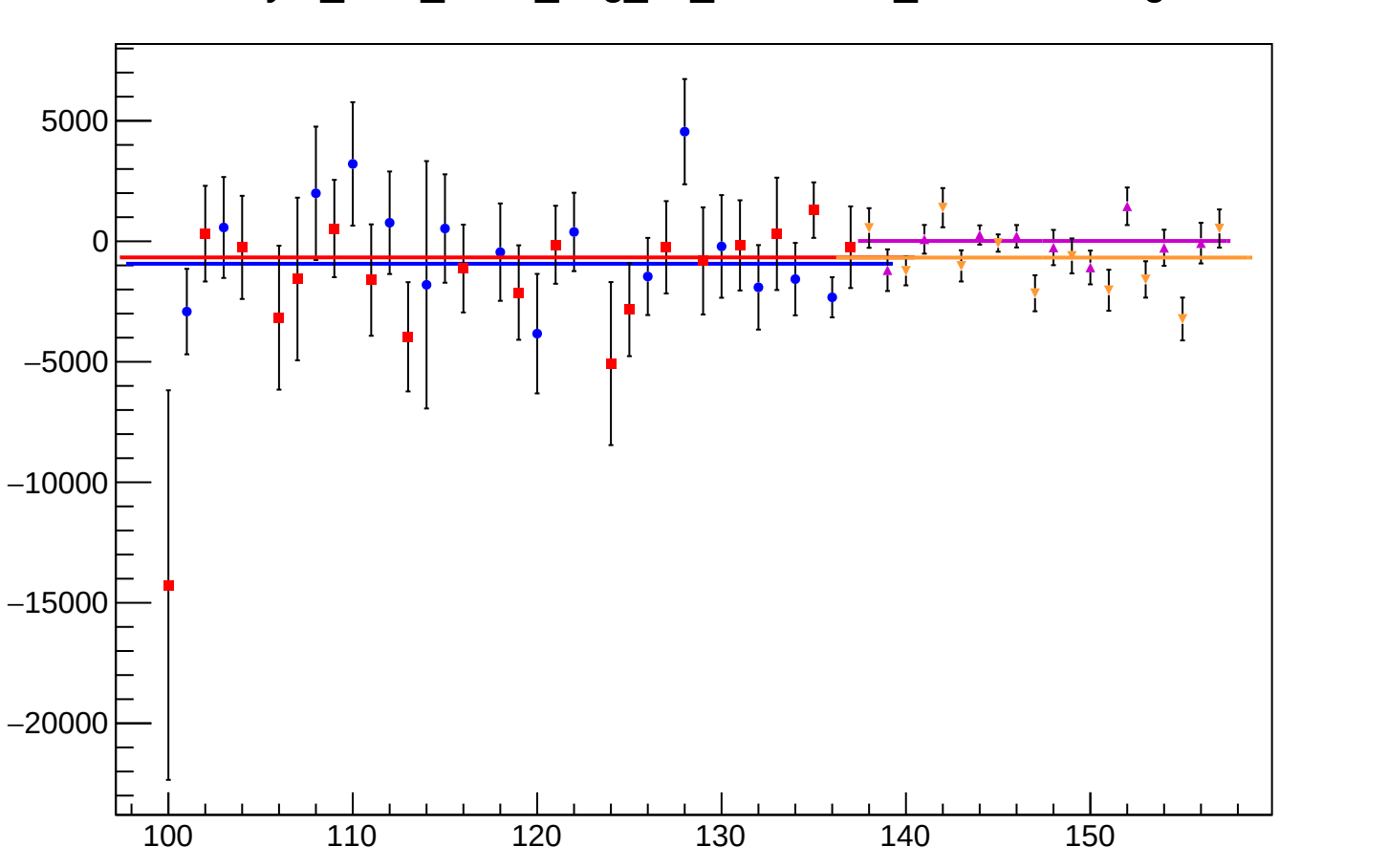
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.448+/-0.022 χ^2/NDF:130942.5/8

+ sign 91.095+/-0.017 χ^2/NDF: 1386517.2/26

All: 91.641+/-0.012 χ^2/NDF: 3064337.2/54

- sign 92.232+/-0.017 χ^2/NDF: 1675606.7/27



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -675.311+/-197.812 χ^2/NDF:31.1/10

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

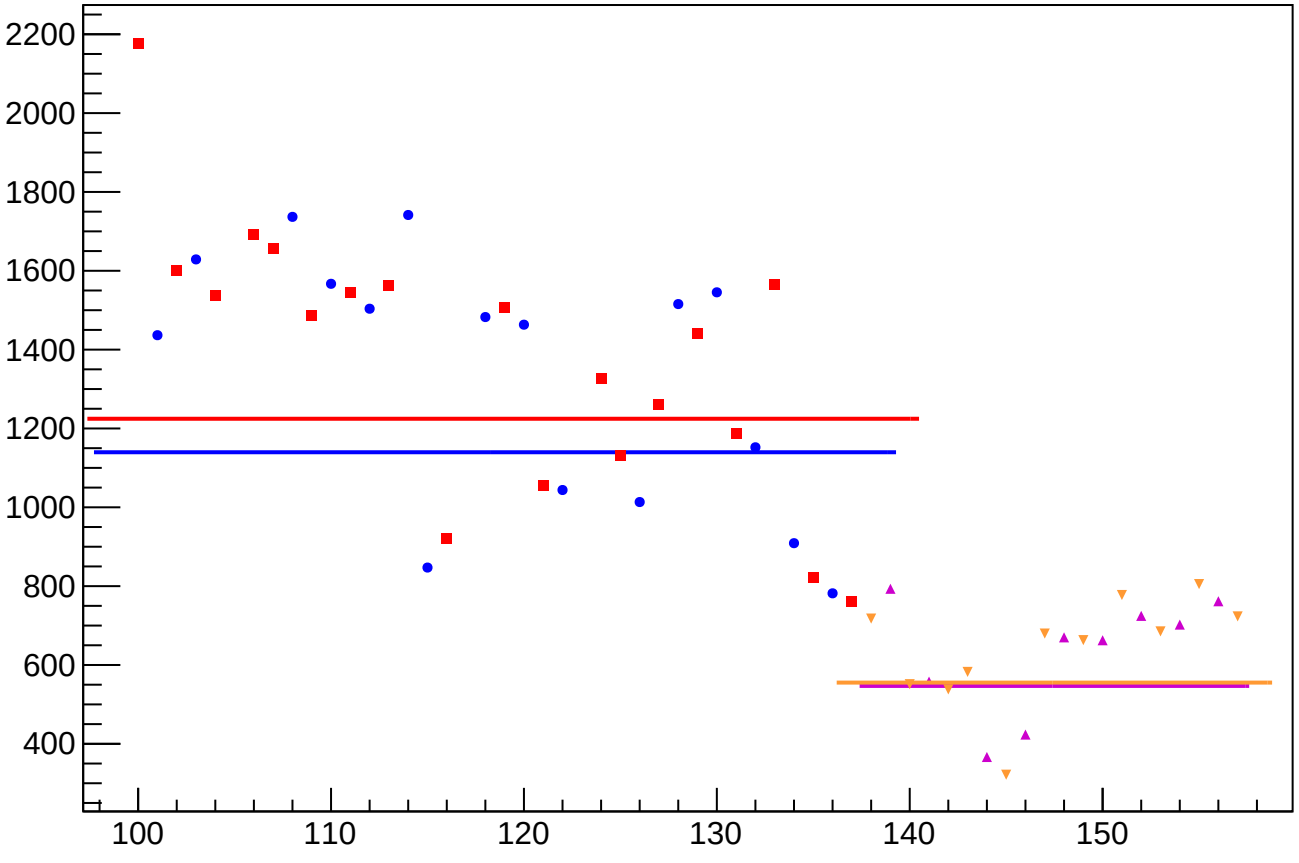
Left In: 14.270+/-205.150 χ^2/NDF:8.7/8

+ sign -718.091+/-180.605 χ^2/NDF: 49.8/26

All: -419.638+/-130.102 χ^2/NDF: 79.5/54

- sign -97.696+/-187.577 χ^2/NDF: 24.0/27

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 555.357+/-0.140 χ^2/NDF:1471627.4/10

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

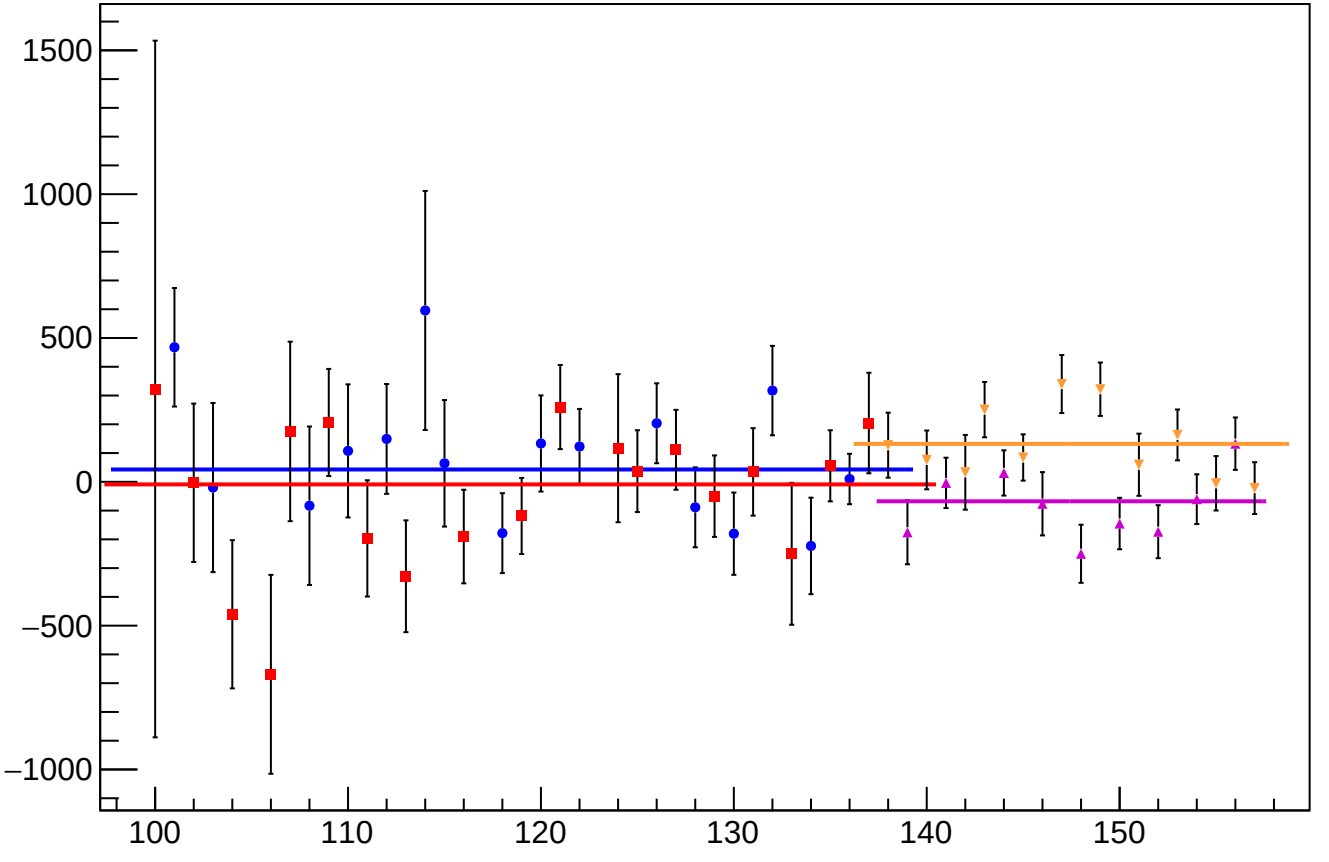
Left In: 546.896+/-0.145 χ^2/NDF:1141584.4/8

+ sign 652.592+/-0.128 χ^2/NDF: 5468970.5/26

All: 655.210+/-0.092 χ^2/NDF: 11113231.8/54

- sign 658.033+/-0.133 χ^2/NDF: 5643388.1/27

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 131.917+/-29.375 χ^2/NDF:16.8/10

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

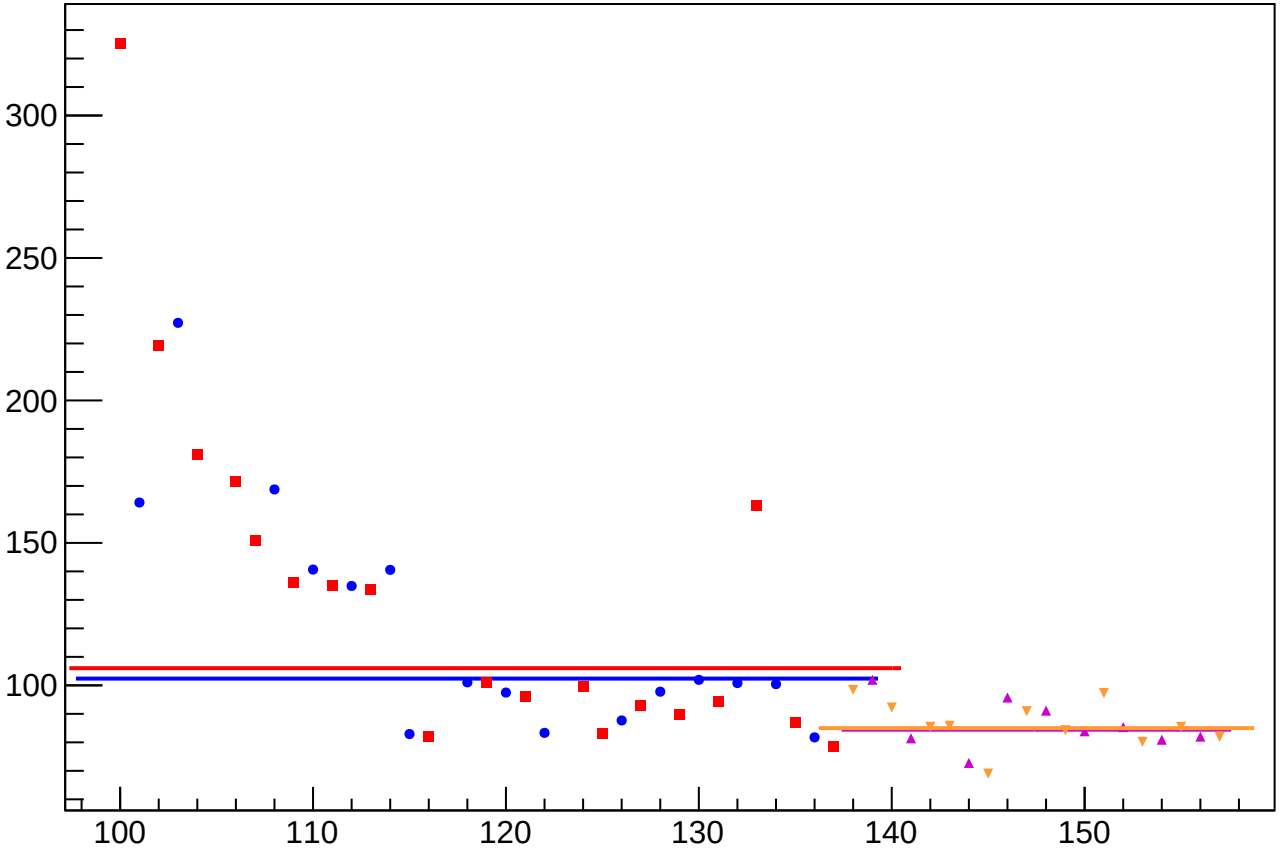
Left In: -67.698+/-30.839 χ^2/NDF:13.2/8

+ sign 100.682+/-23.665 χ^2/NDF: 40.3/26

All: 30.104+/-17.074 χ^2/NDF: 94.7/54

- sign -46.523+/-24.658 χ^2/NDF: 35.9/27

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.995+/-0.021 χ^2/NDF:158381.4/10

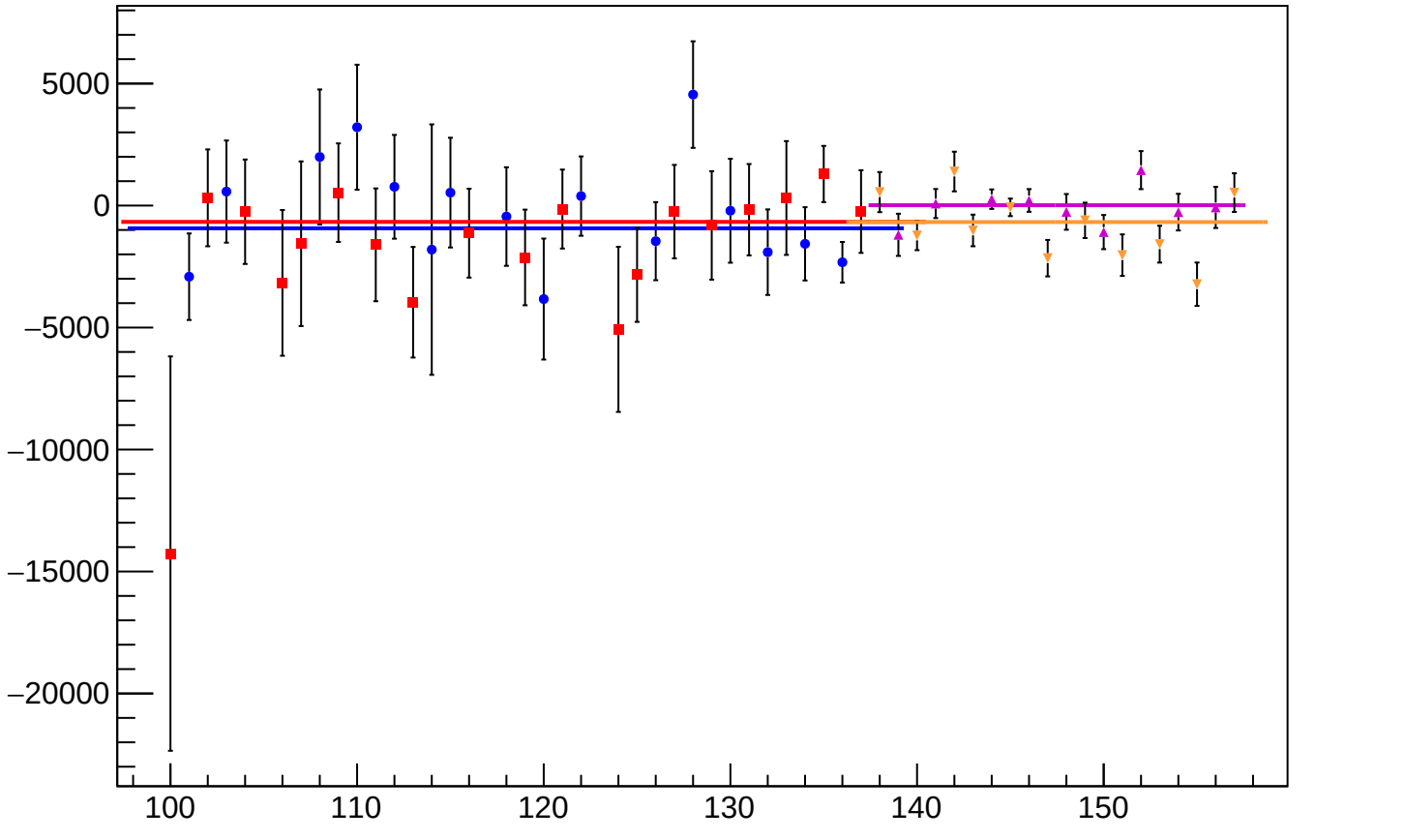
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.448+/-0.022 χ^2/NDF:130940.7/8

+ sign 91.096+/-0.017 χ^2/NDF: 1386486.5/26

All: 91.641+/-0.012 χ^2/NDF: 3064291.5/54

- sign 92.233+/-0.017 χ^2/NDF: 1675591.7/27



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -675.311+/-197.812 χ^2/NDF:31.1/10

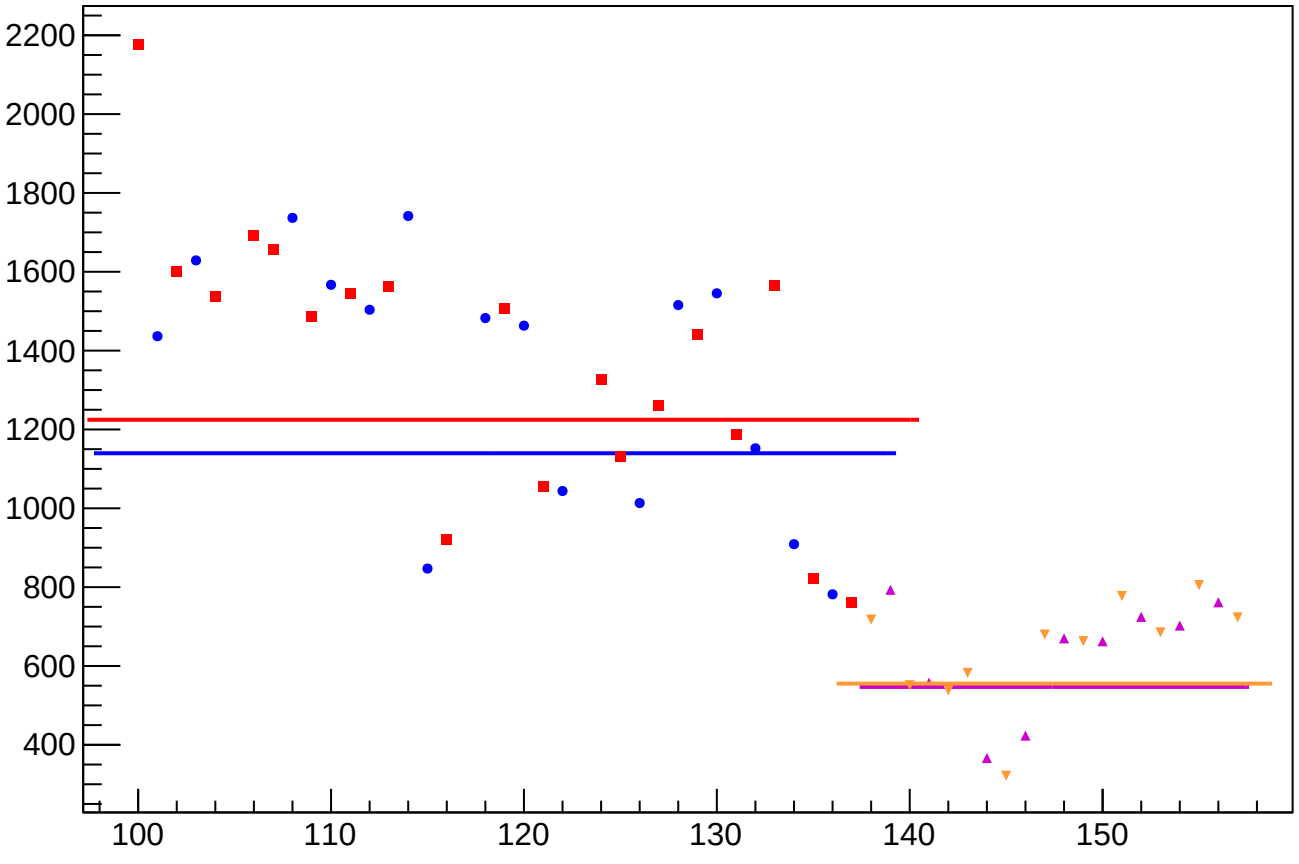
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 14.270+/-205.150 χ^2/NDF:8.7/8

+ sign -718.090+/-180.604 χ^2/NDF: 49.8/26

All: -419.638+/-130.102 χ^2/NDF: 79.5/54

- sign -97.696+/-187.577 χ^2/NDF: 24.0/27



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 555.355+/-0.140 χ^2/NDF:1471646.5/10

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

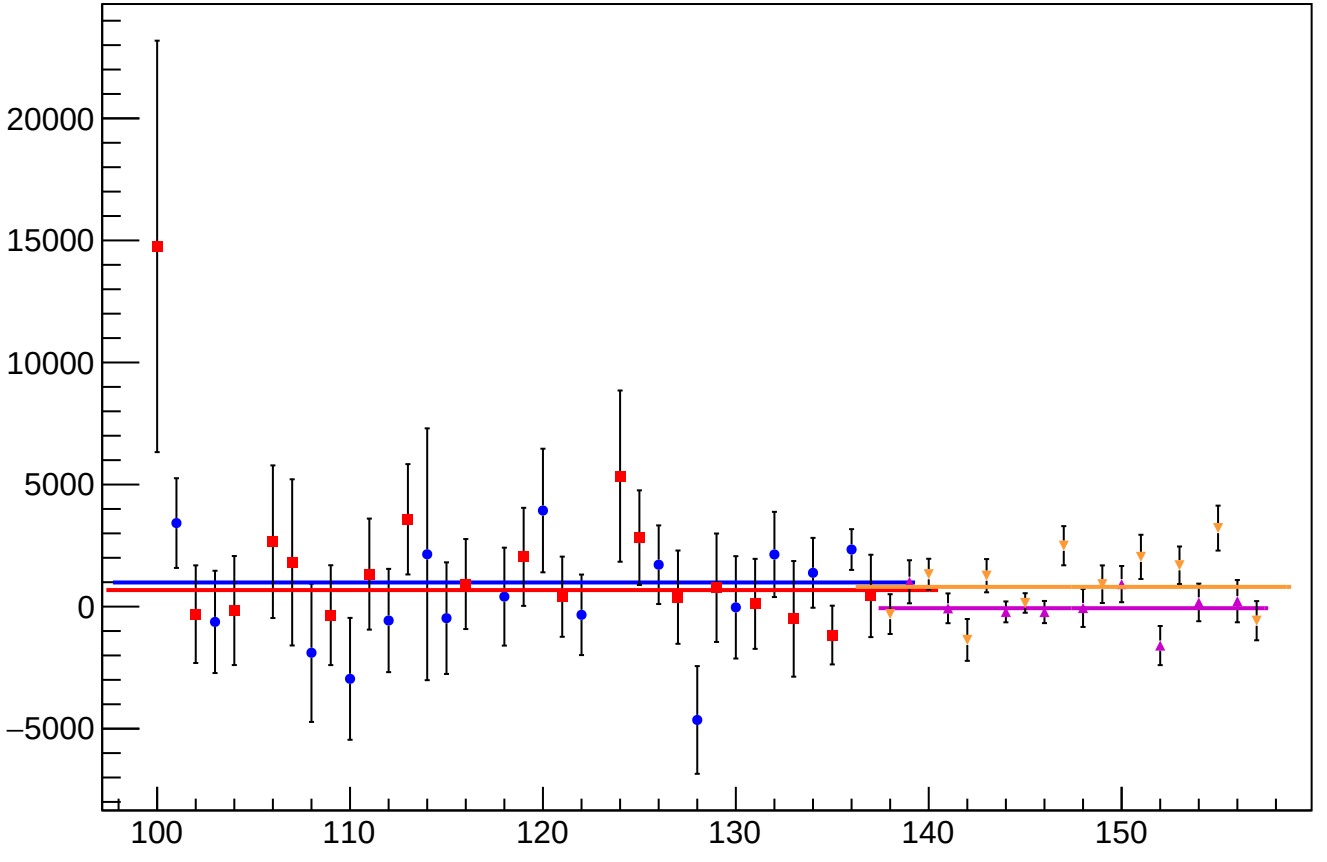
Left In: 546.895+/-0.145 χ^2/NDF:1141590.5/8

+ sign 652.591+/-0.128 χ^2/NDF: 5468987.1/26

All: 655.209+/-0.092 χ^2/NDF: 11113245.6/54

- sign 658.033+/-0.133 χ^2/NDF: 5643385.1/27

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 808.200+/-210.154 χ^2/NDF:29.6/10

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

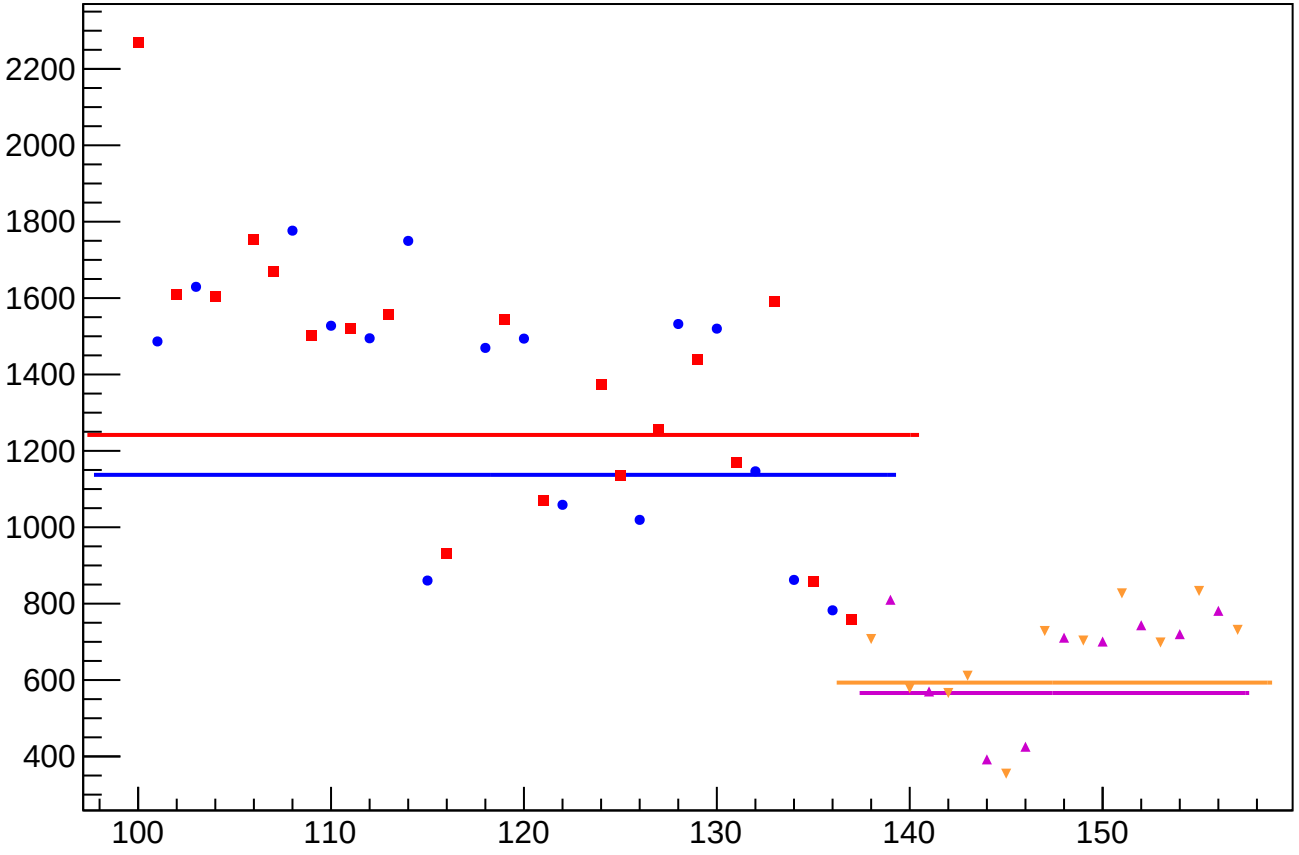
Left In: -64.708+/-211.535 χ^2/NDF:7.4/8

+ sign 841.518+/-189.844 χ^2/NDF: 48.7/26

All: 457.187+/-135.299 χ^2/NDF: 78.4/54

- sign 60.490+/-192.874 χ^2/NDF: 21.4/27

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 593.295+/-0.149 χ^2/NDF:1217536.8/10

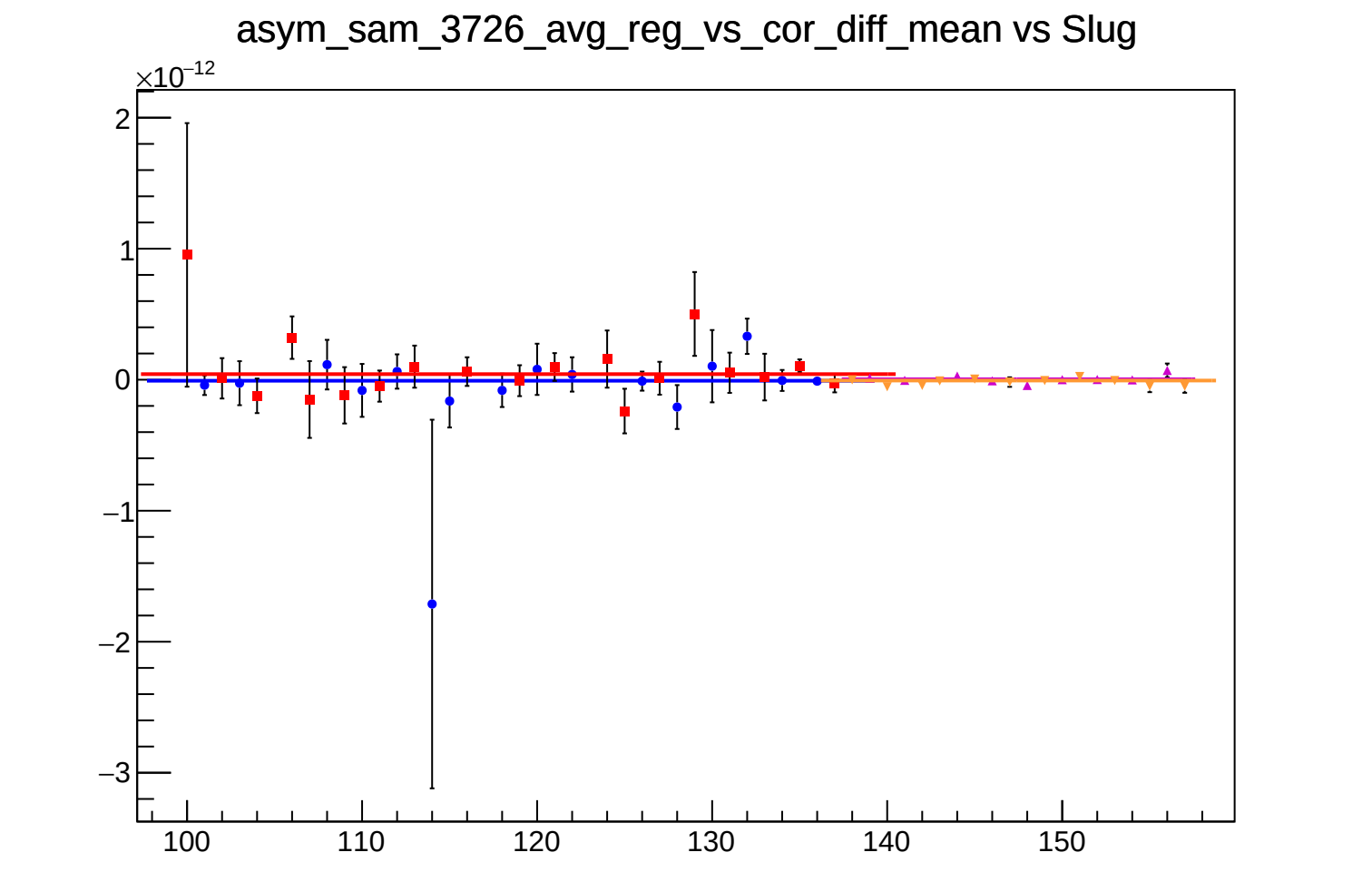
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 566.077+/-0.150 χ^2/NDF:1112866.5/8

+ sign 693.351+/-0.134 χ^2/NDF: 4805750.2/26

All: 686.793+/-0.096 χ^2/NDF: 10263849.4/54

- sign 680.025+/-0.136 χ^2/NDF: 5453250.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/10

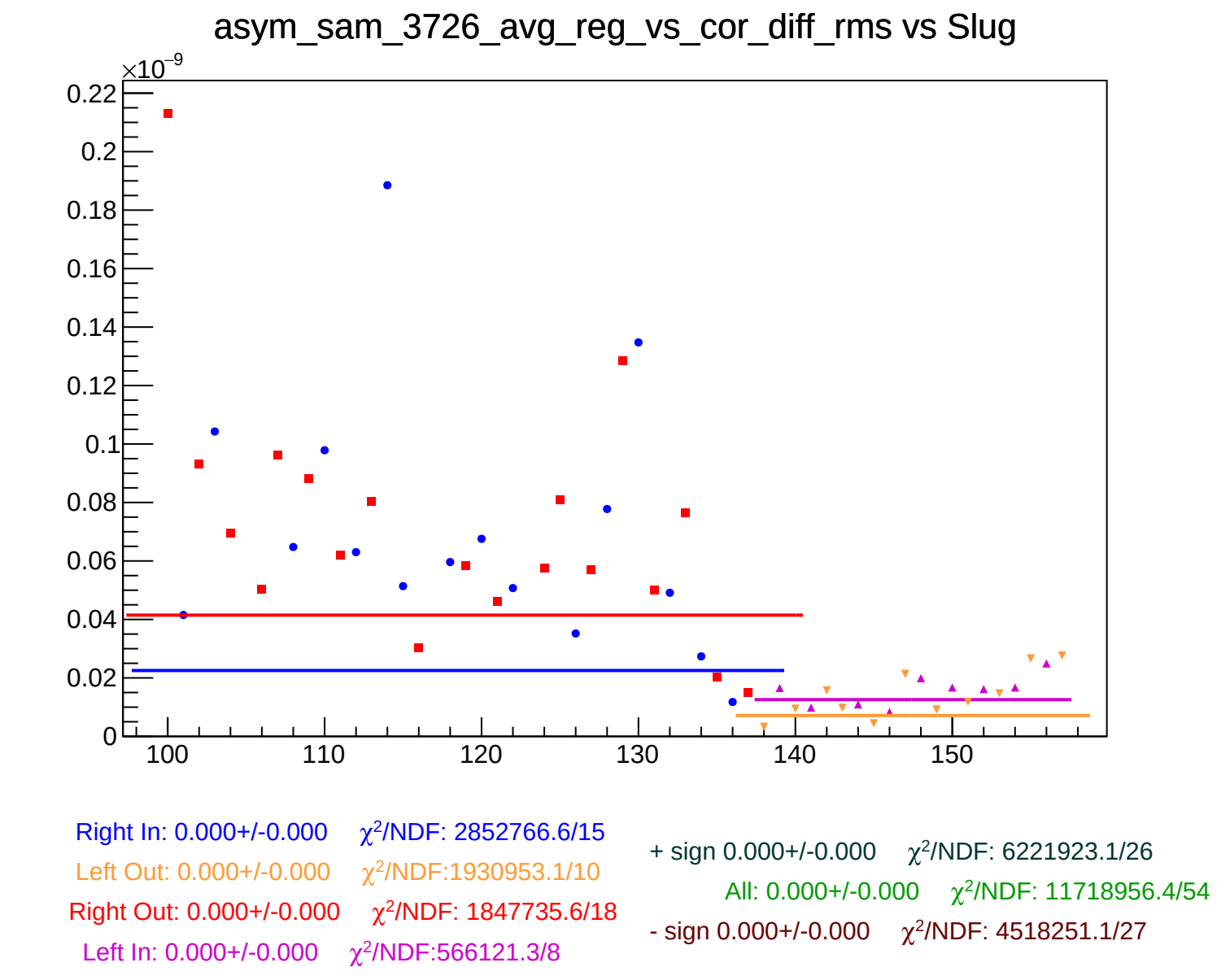
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/8

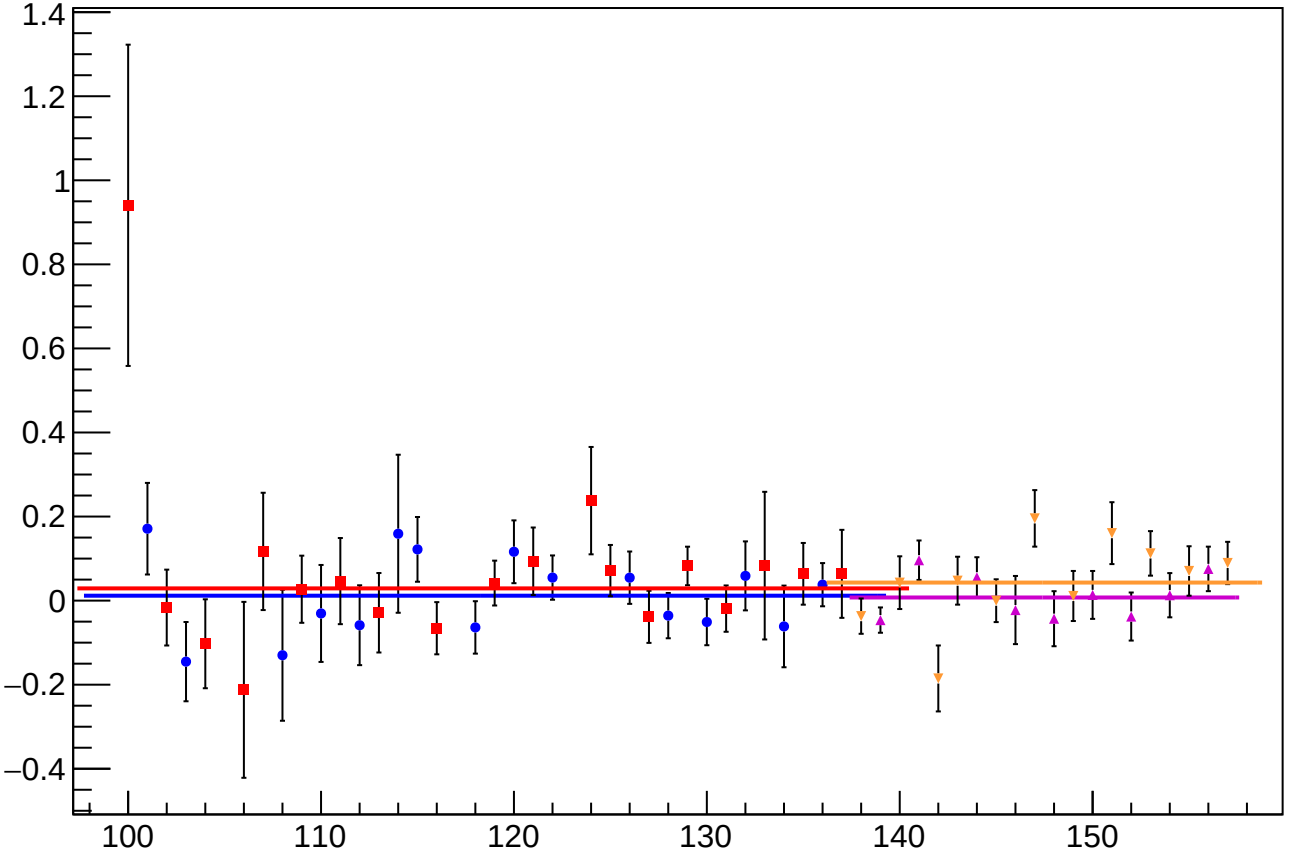
+ sign -0.000+/-0.000 χ^2/NDF: 25.0/26

All: -0.000+/-0.000 χ^2/NDF: 51.2/54

- sign 0.000+/-0.000 χ^2/NDF: 24.0/27


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1930953.1/10
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:566121.3/8
+ sign 0.000+/-0.000 χ²/NDF: 6221923.1/26
All: 0.000+/-0.000 χ²/NDF: 11718956.4/54
- sign 0.000+/-0.000 χ²/NDF: 4518251.1/27

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

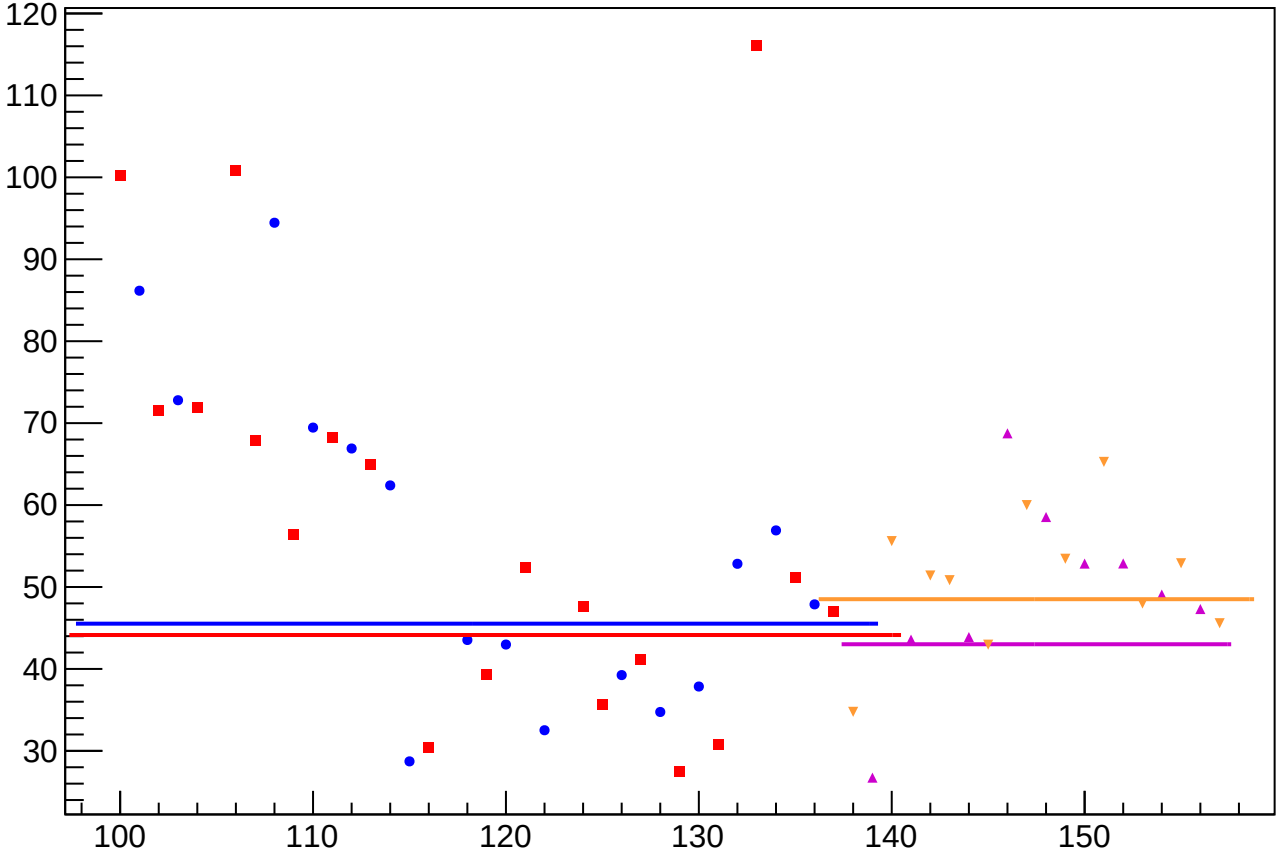
Left In: 0.007+/-0.016 χ^2/NDF:10.8/8

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.023+/-0.009 χ^2/NDF: 73.5/54

- sign 0.017+/-0.012 χ^2/NDF: 31.2/27

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

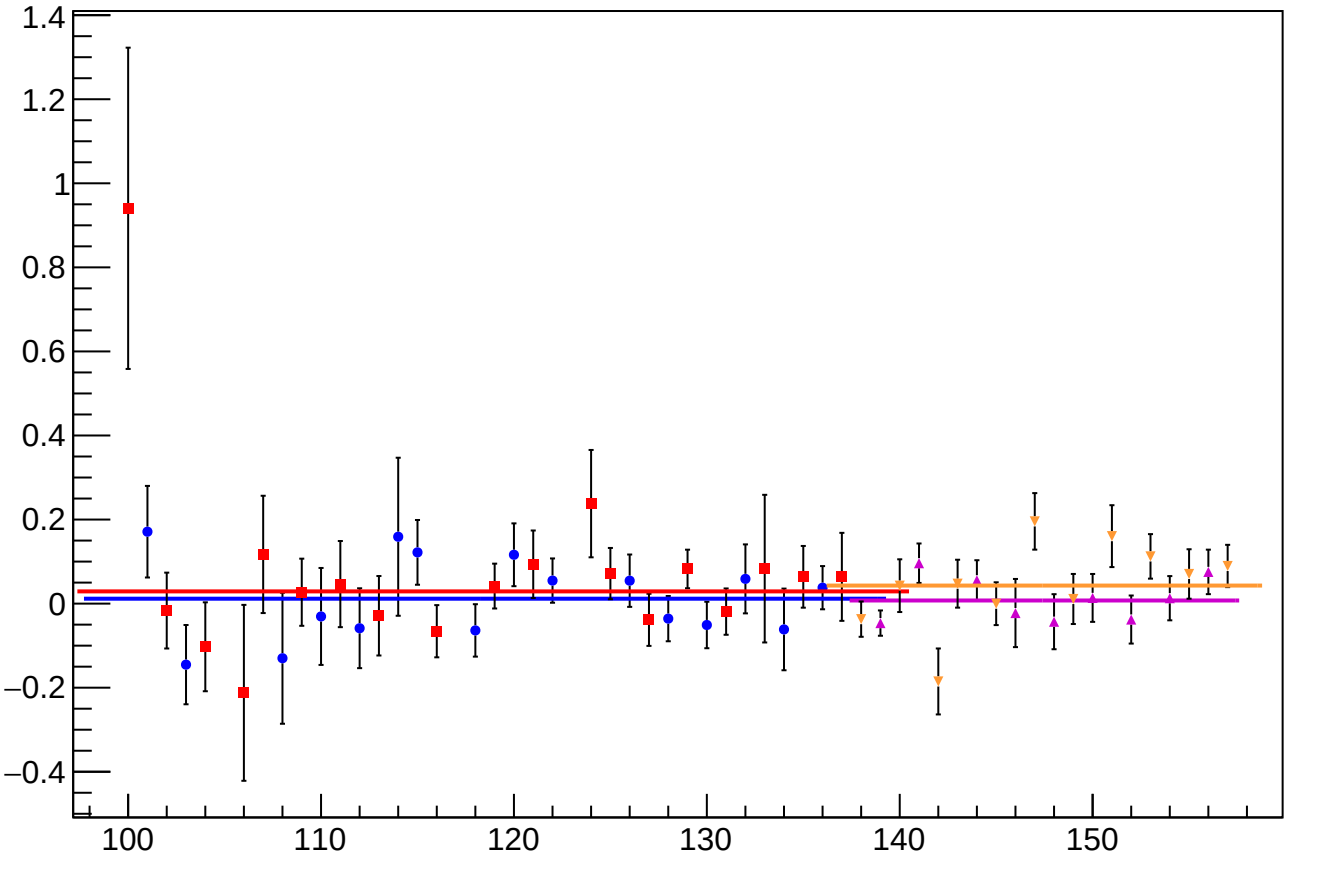
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 43.013+/-0.012 χ^2/NDF:1058542.0/8

+ sign 47.118+/-0.009 χ^2/NDF: 1745548.2/26

All: 45.261+/-0.006 χ^2/NDF: 4636921.8/54

- sign 43.529+/-0.009 χ^2/NDF: 2806289.6/27



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

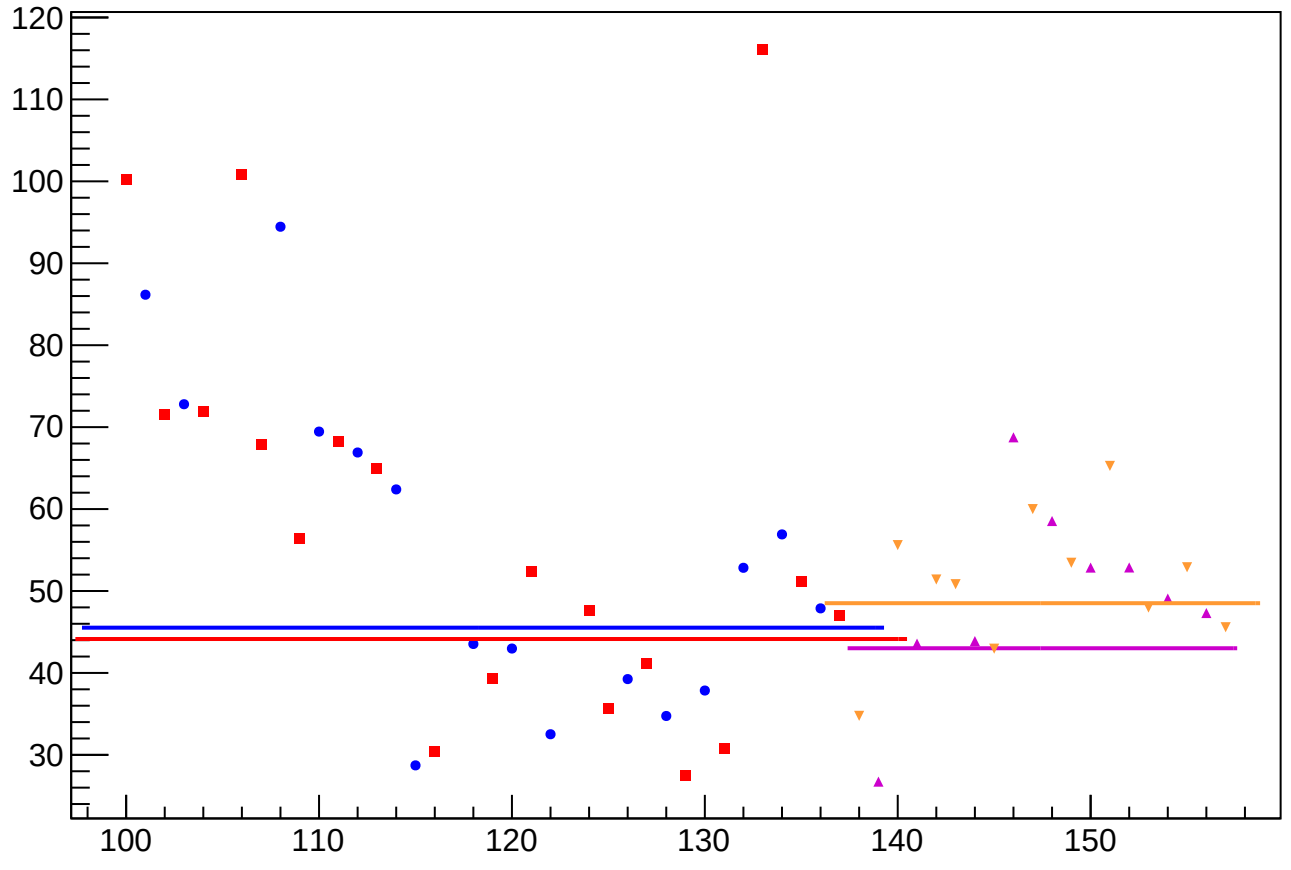
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.016 χ^2/NDF:10.8/8

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.023+/-0.009 χ^2/NDF: 73.5/54

- sign 0.017+/-0.012 χ^2/NDF: 31.2/27



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.513+/-0.012 χ^2/NDF:463206.2/10

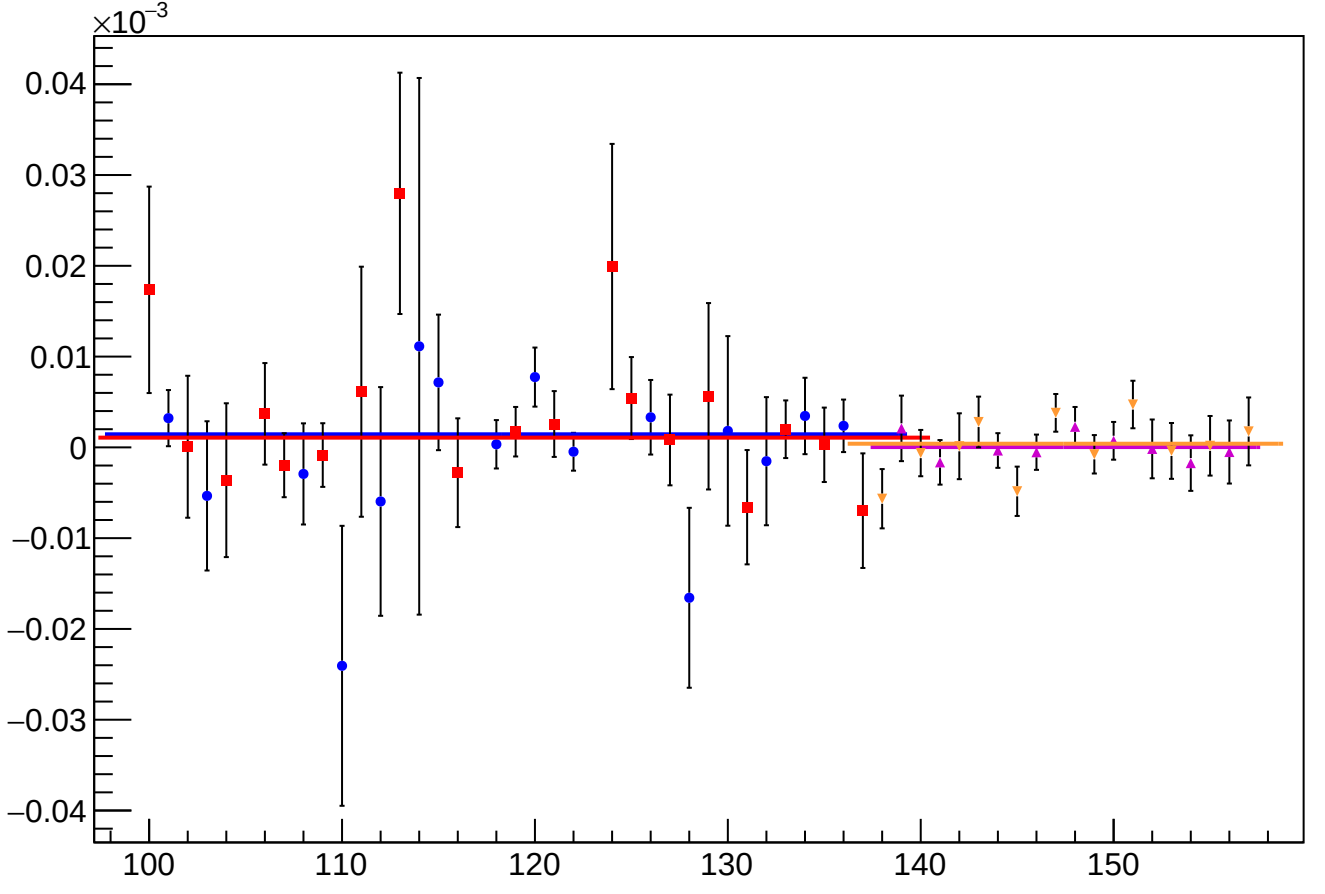
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 43.013+/-0.012 χ^2/NDF:1058542.0/8

+ sign 47.118+/-0.009 χ^2/NDF: 1745548.2/26

All: 45.261+/-0.006 χ^2/NDF: 4636921.8/54

- sign 43.529+/-0.009 χ^2/NDF: 2806289.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/10

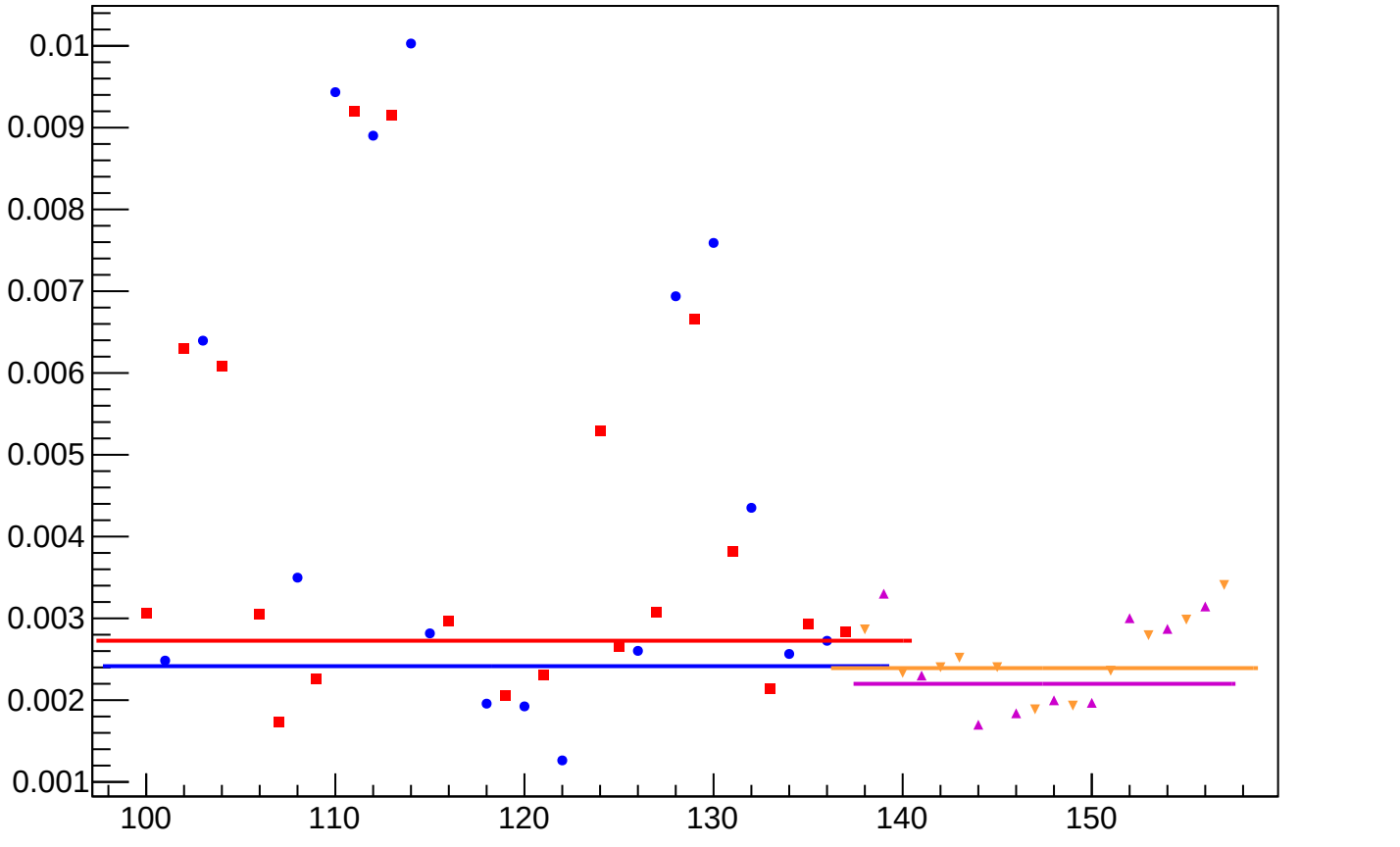
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 28.8/26

All: 0.000+/-0.000 χ^2/NDF: 46.8/54

- sign 0.000+/-0.000 χ^2/NDF: 17.8/27



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:506453.8/10

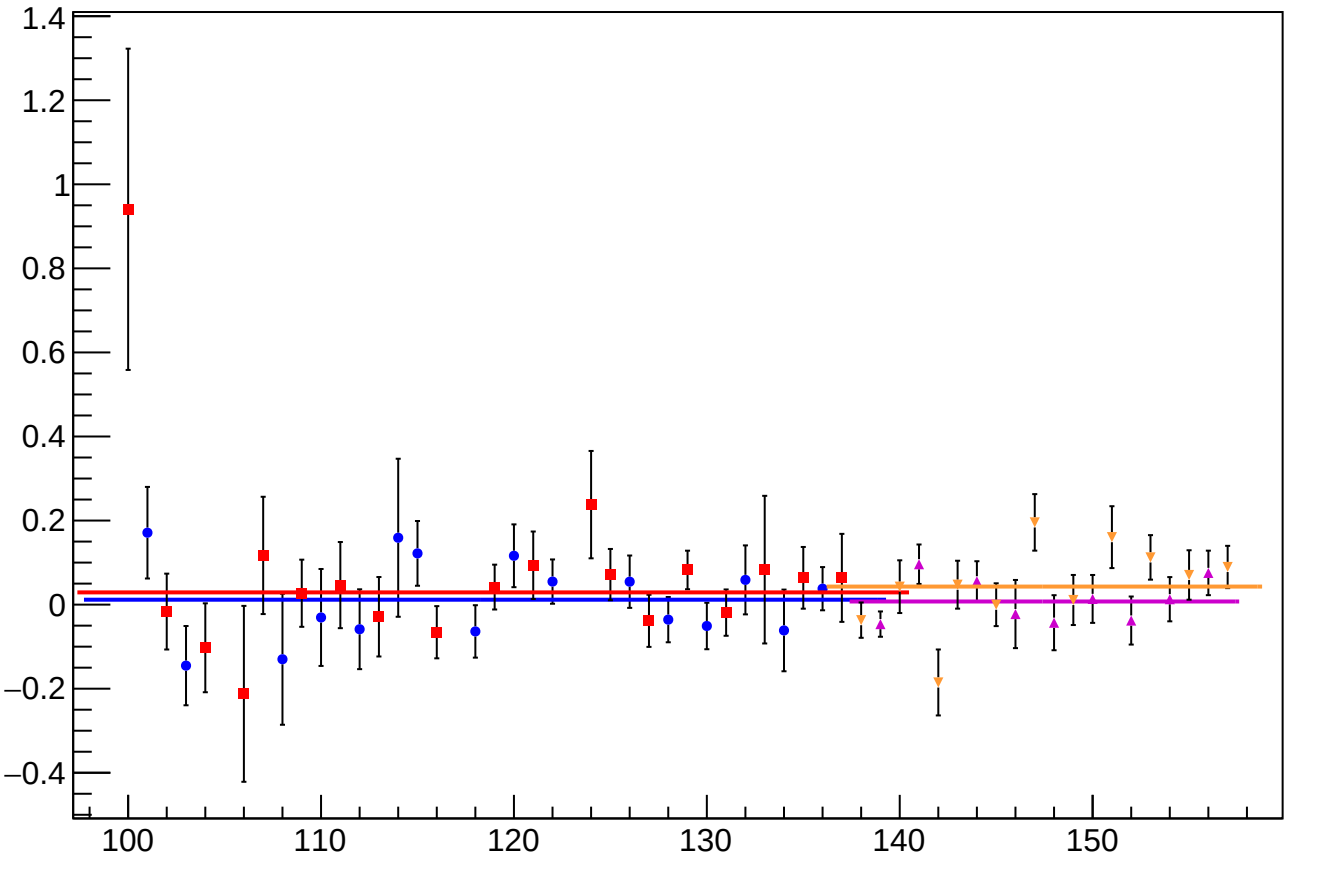
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:805175.5/8

+ sign 0.002+/-0.000 χ^2/NDF: 3939199.2/26

All: 0.002+/-0.000 χ^2/NDF: 7539564.5/54

- sign 0.002+/-0.000 χ^2/NDF: 3599458.3/27



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.043+/-0.017 χ^2/NDF:23.6/10

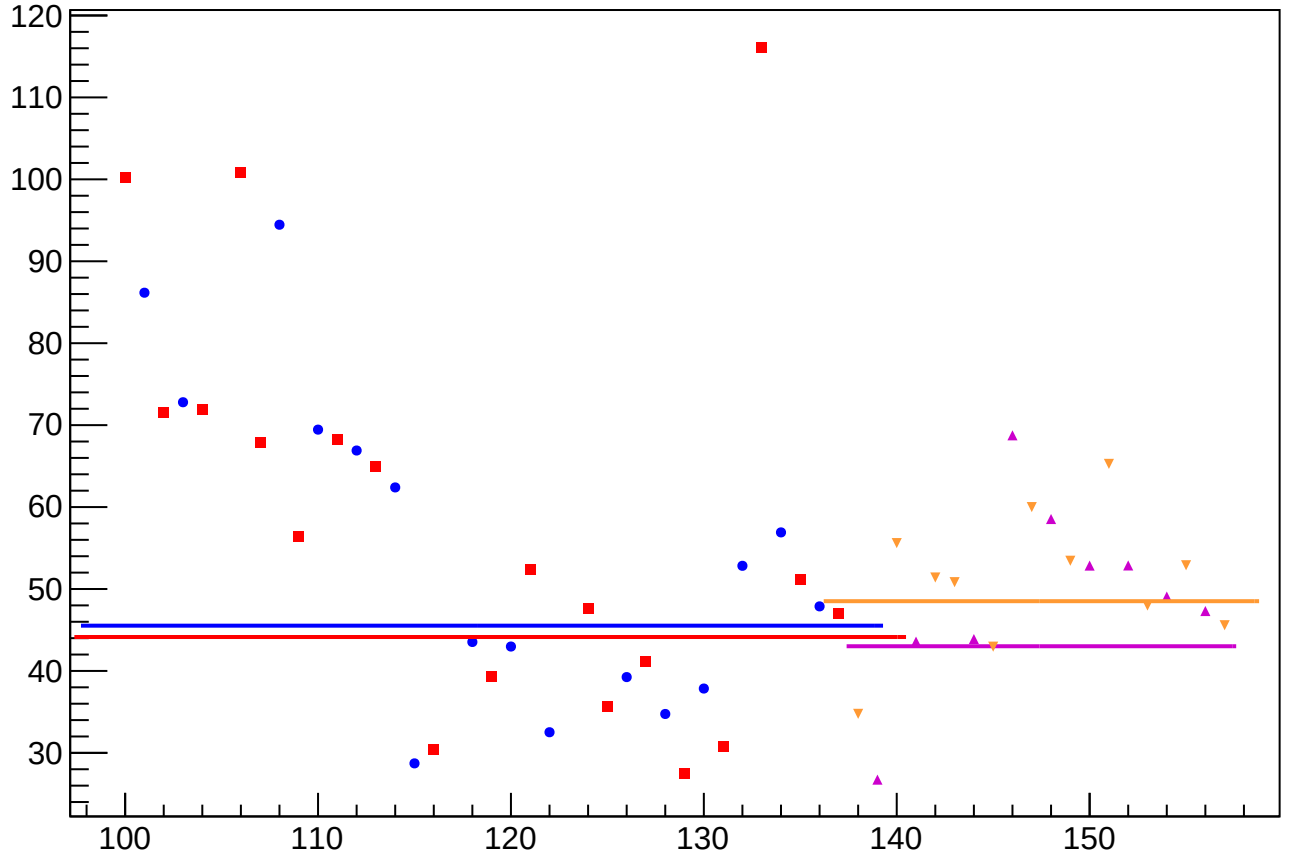
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.007+/-0.016 χ^2/NDF:10.8/8

+ sign 0.028+/-0.013 χ^2/NDF: 42.0/26

All: 0.023+/-0.009 χ^2/NDF: 73.5/54

- sign 0.017+/-0.012 χ^2/NDF: 31.2/27



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

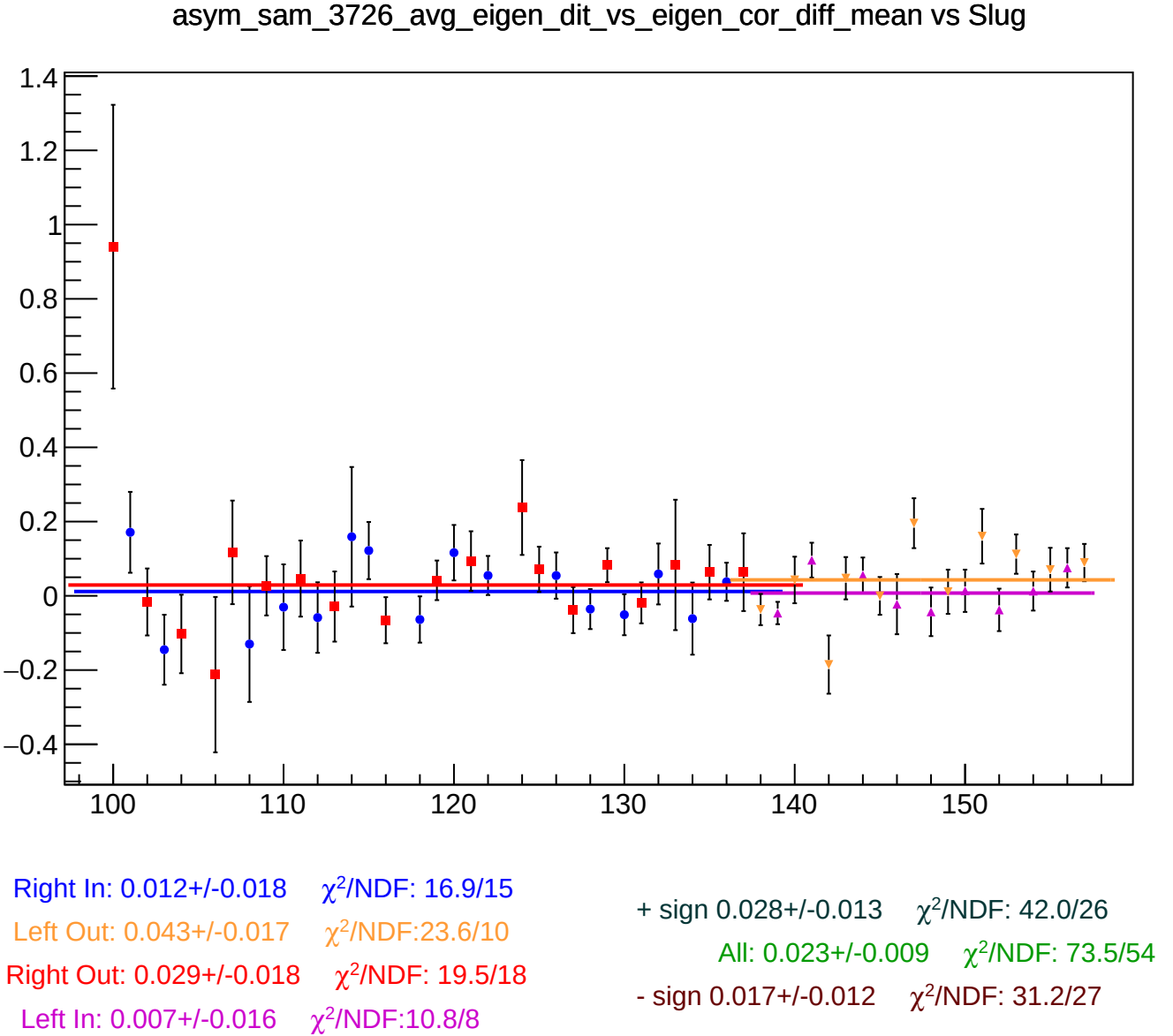
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

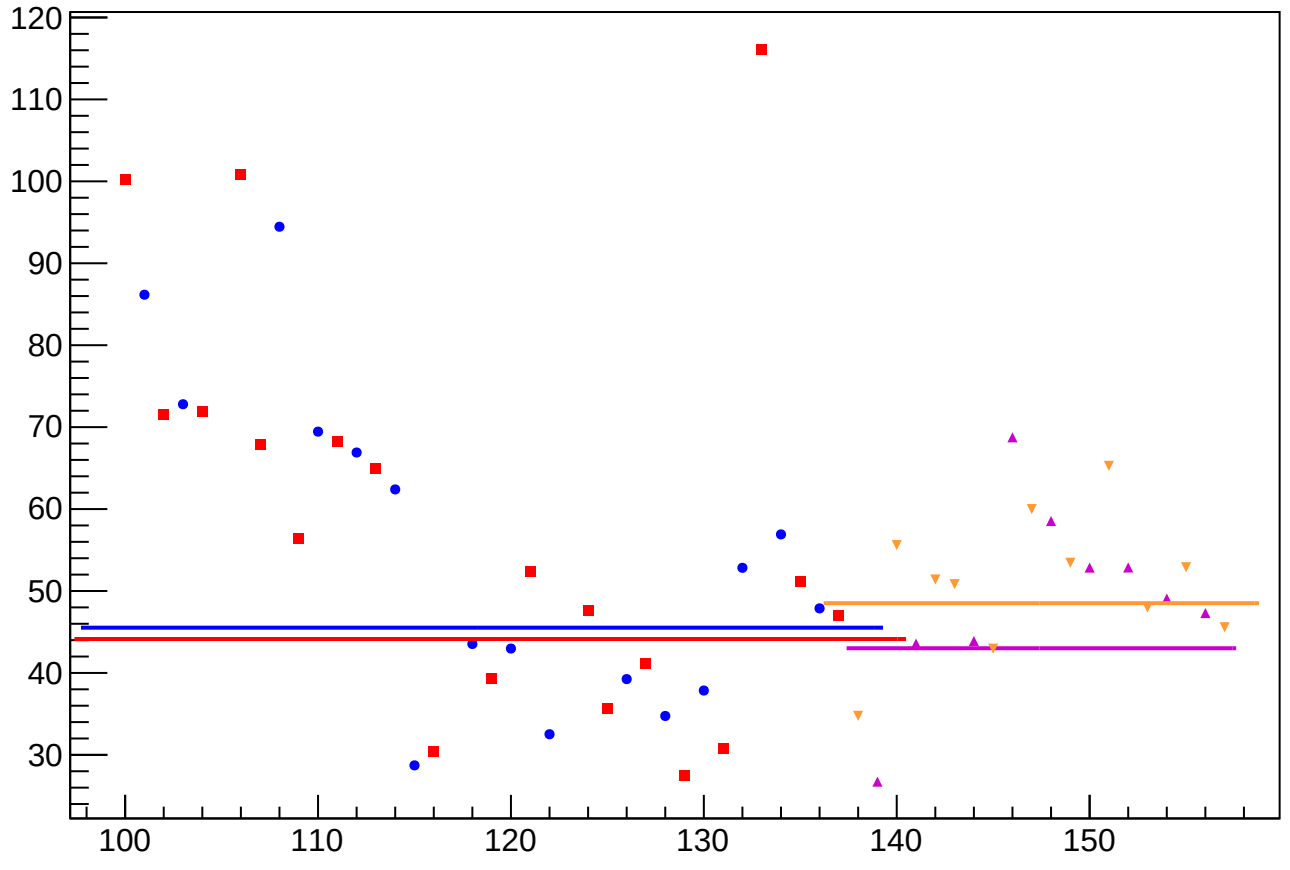
Left In: 43.014+/-0.012 χ^2/NDF:1058568.5/8

+ sign 47.118+/-0.009 χ^2/NDF: 1745534.2/26

All: 45.262+/-0.006 χ^2/NDF: 4636847.7/54

- sign 43.529+/-0.009 χ^2/NDF: 2806236.6/27


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.043+/-0.017 χ²/NDF:23.6/10
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: 0.007+/-0.016 χ²/NDF:10.8/8
+ sign 0.028+/-0.013 χ²/NDF: 42.0/26
All: 0.023+/-0.009 χ²/NDF: 73.5/54
- sign 0.017+/-0.012 χ²/NDF: 31.2/27



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.513+/-0.012 χ^2/NDF:463229.7/10

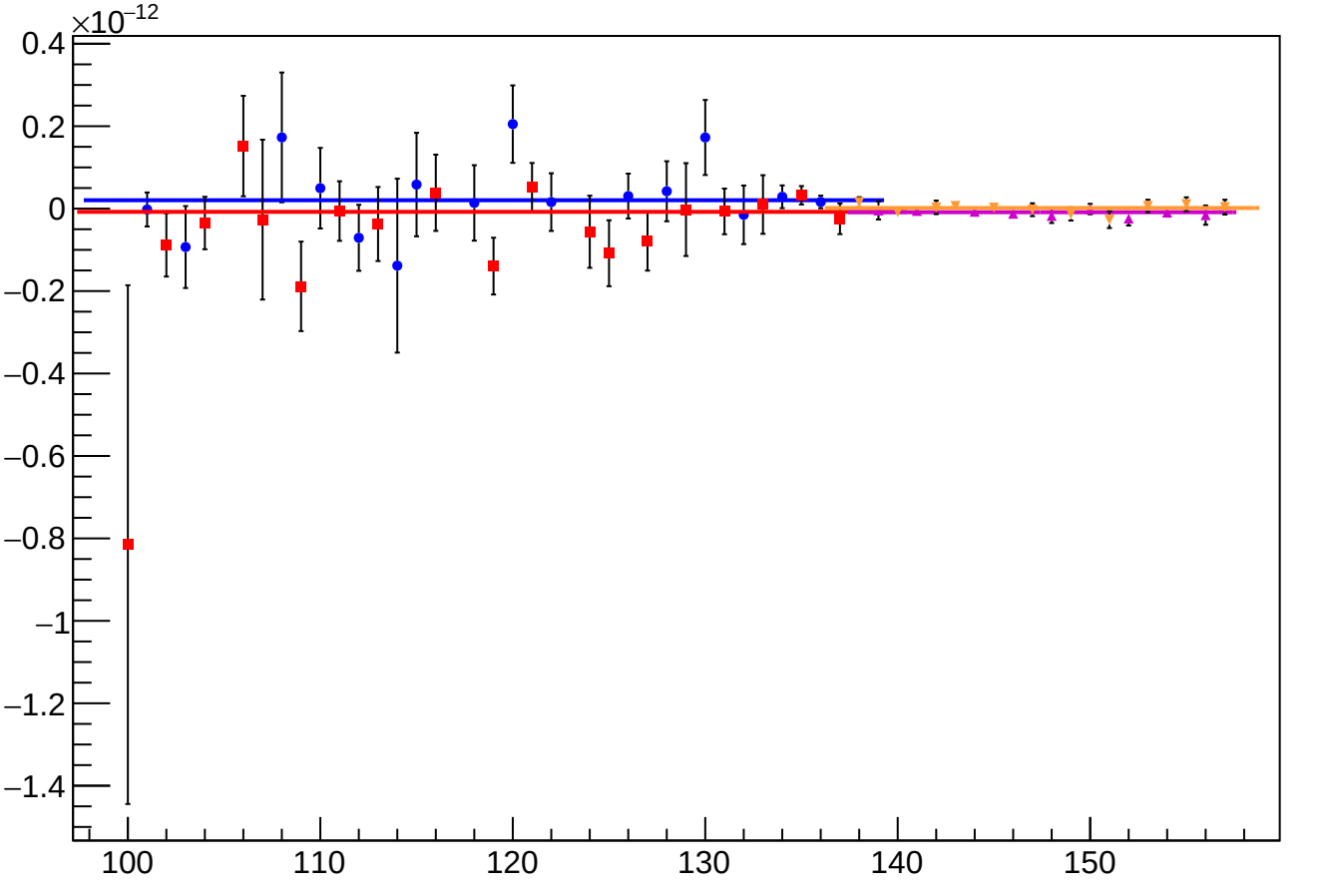
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 43.014+/-0.012 χ^2/NDF:1058568.5/8

+ sign 47.118+/-0.009 χ^2/NDF: 1745534.2/26

All: 45.262+/-0.006 χ^2/NDF: 4636847.7/54

- sign 43.529+/-0.009 χ^2/NDF: 2806236.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/10

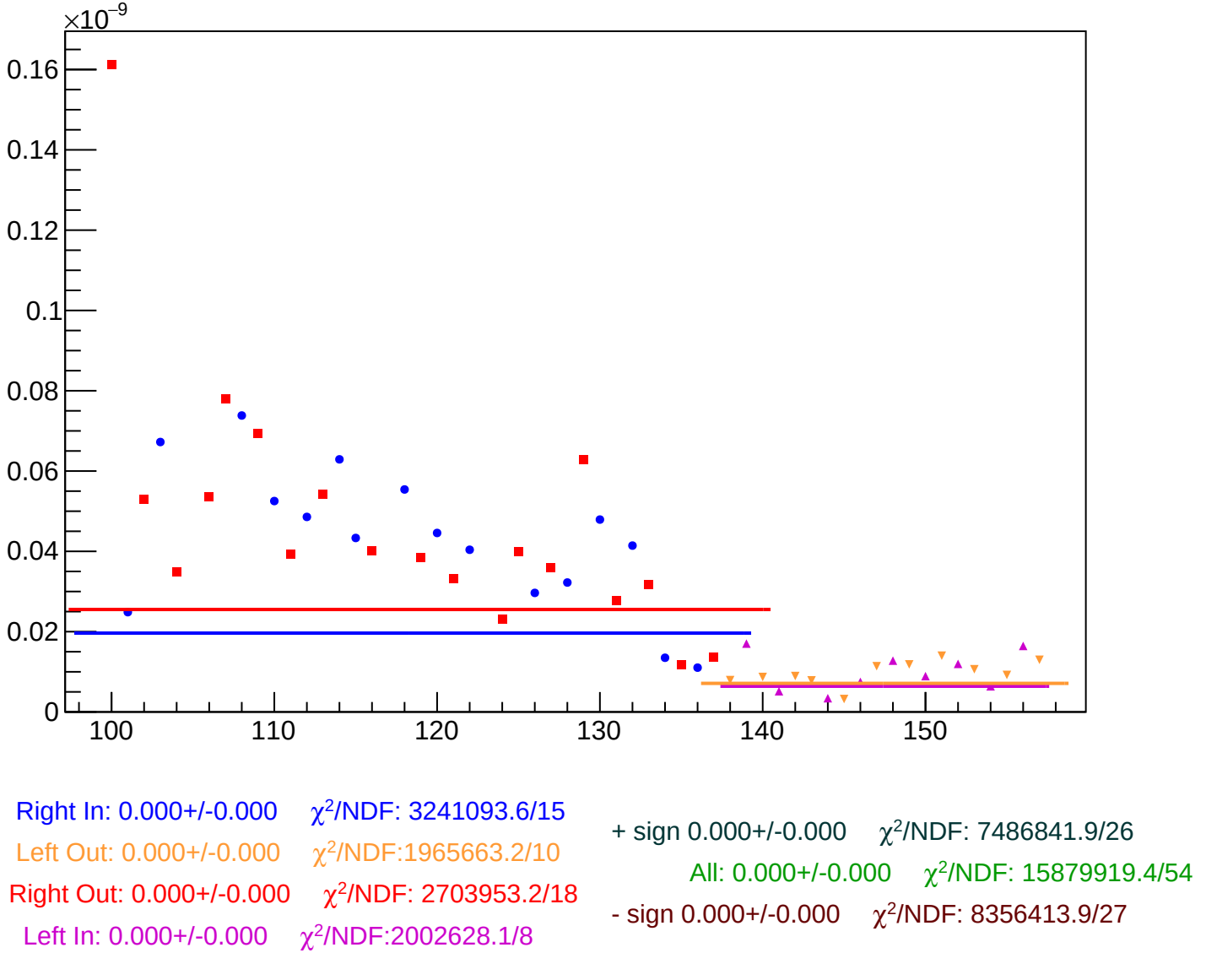
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/8

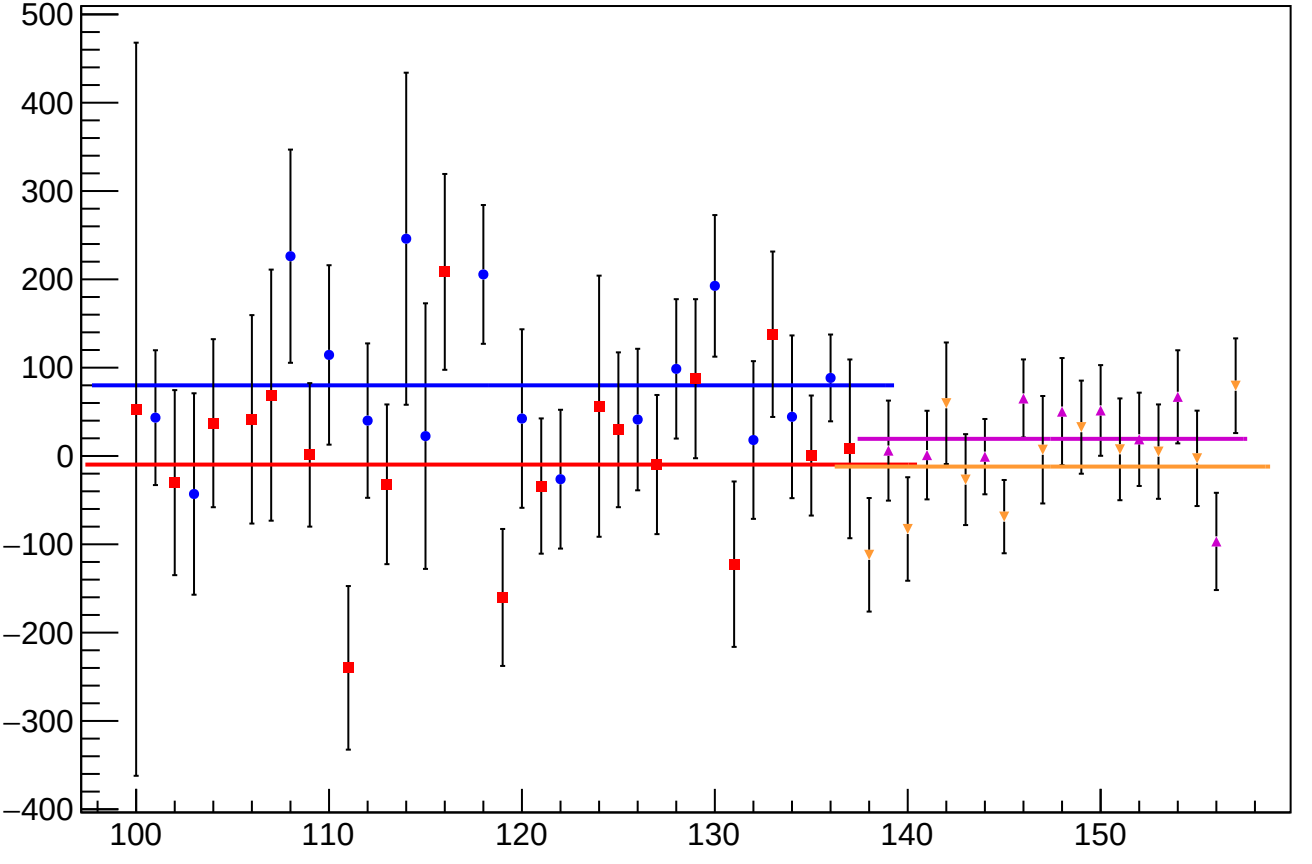
+ sign 0.000+/-0.000 χ^2/NDF: 19.9/26

All: -0.000+/-0.000 χ^2/NDF: 46.8/54

- sign -0.000+/-0.000 χ^2/NDF: 20.7/27


asym_sam_3726_avg_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
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1965663.2/10
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2002628.1/8
+ sign 0.000+/-0.000 χ²/NDF: 7486841.9/26
All: 0.000+/-0.000 χ²/NDF: 15879919.4/54
- sign 0.000+/-0.000 χ²/NDF: 8356413.9/27

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.996+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

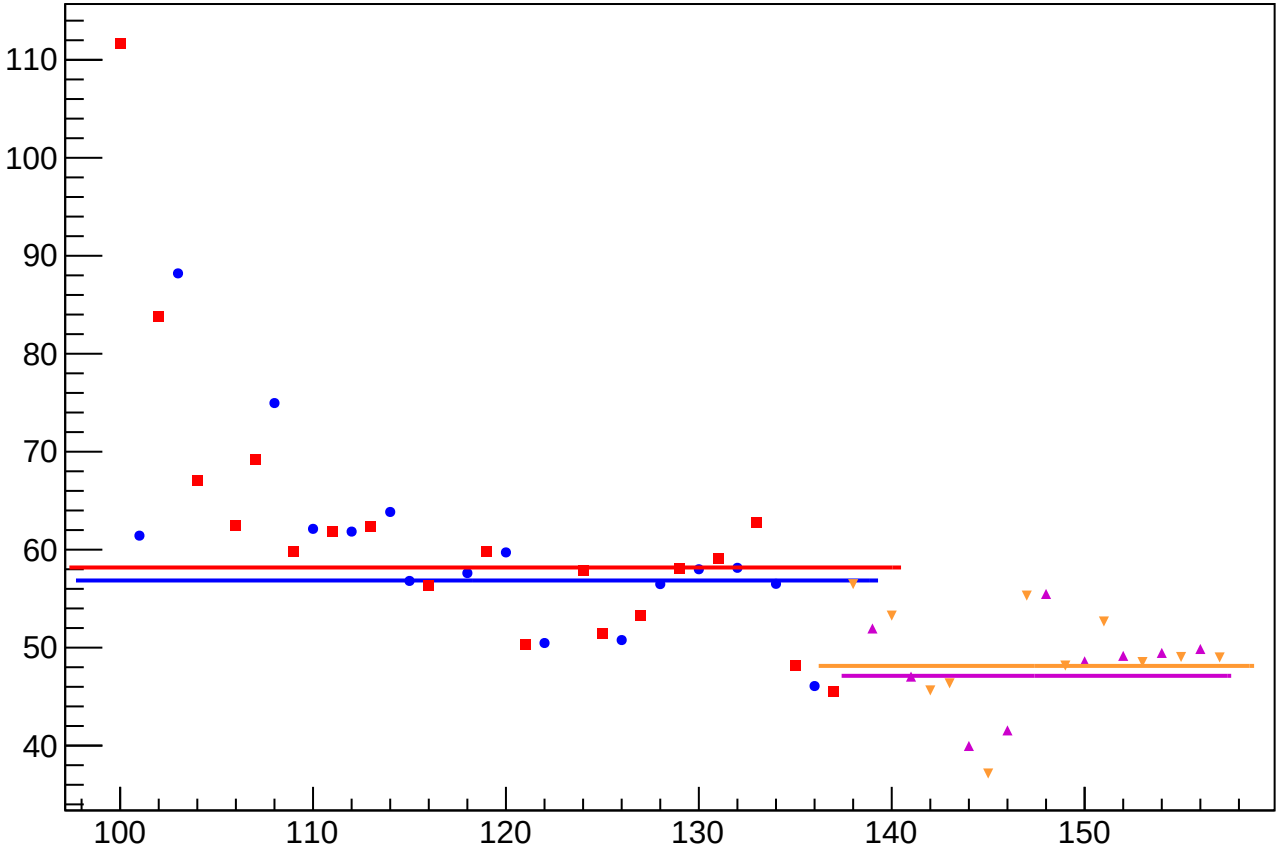
Left In: 19.410+/-16.977 χ^2/NDF:7.4/8

+ sign 22.141+/-13.082 χ^2/NDF: 34.0/26

All: 15.359+/-9.344 χ^2/NDF: 63.4/54

- sign 8.294+/-13.352 χ^2/NDF: 28.9/27

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

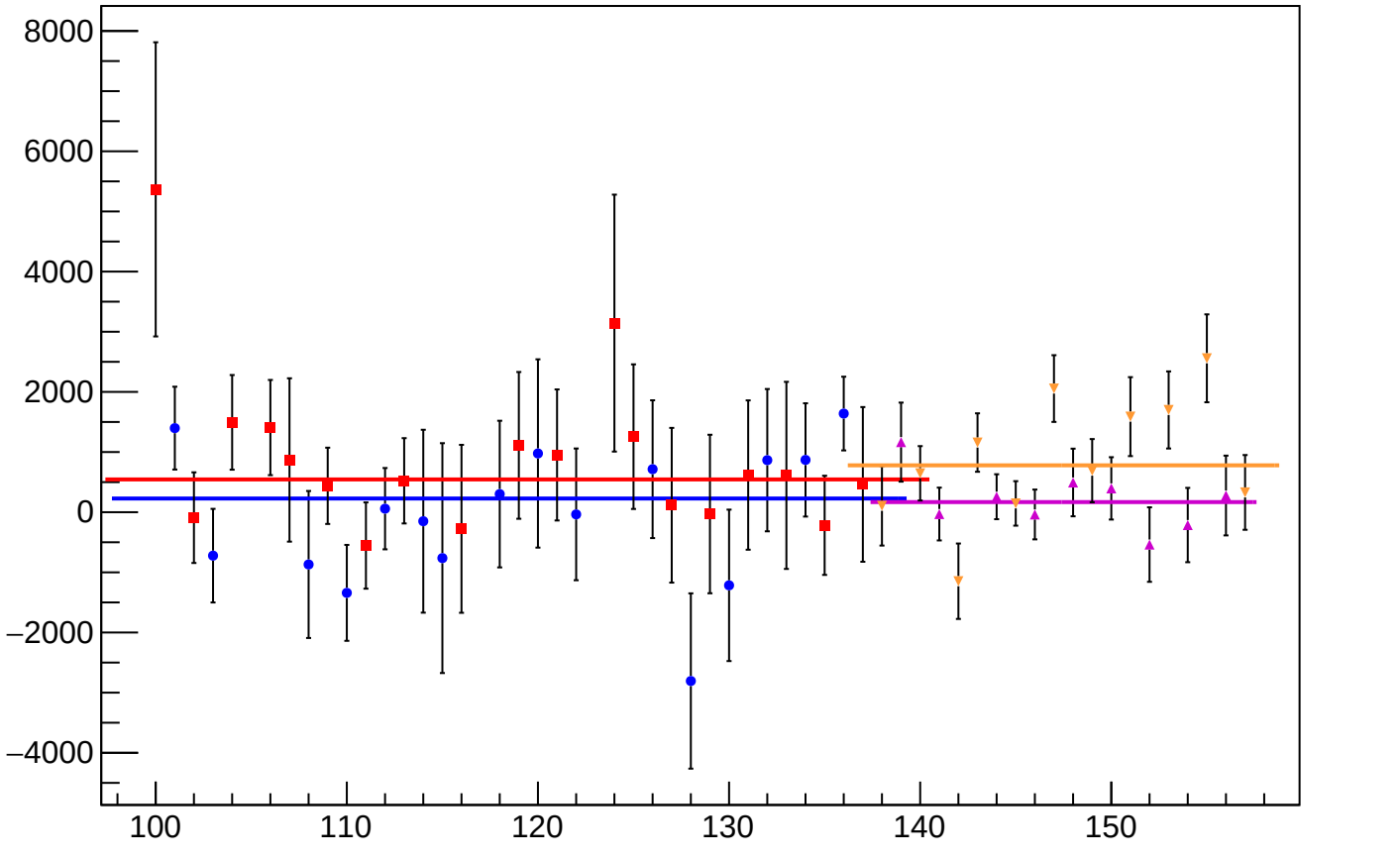
Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.122+/-0.012 χ^2/NDF:154174.2/8

+ sign 51.371+/-0.009 χ^2/NDF: 784620.9/26

All: 51.356+/-0.007 χ^2/NDF: 1577225.7/54

- sign 51.341+/-0.009 χ^2/NDF: 792599.9/27



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 779.172+/-163.589 χ^2/NDF:29.5/10

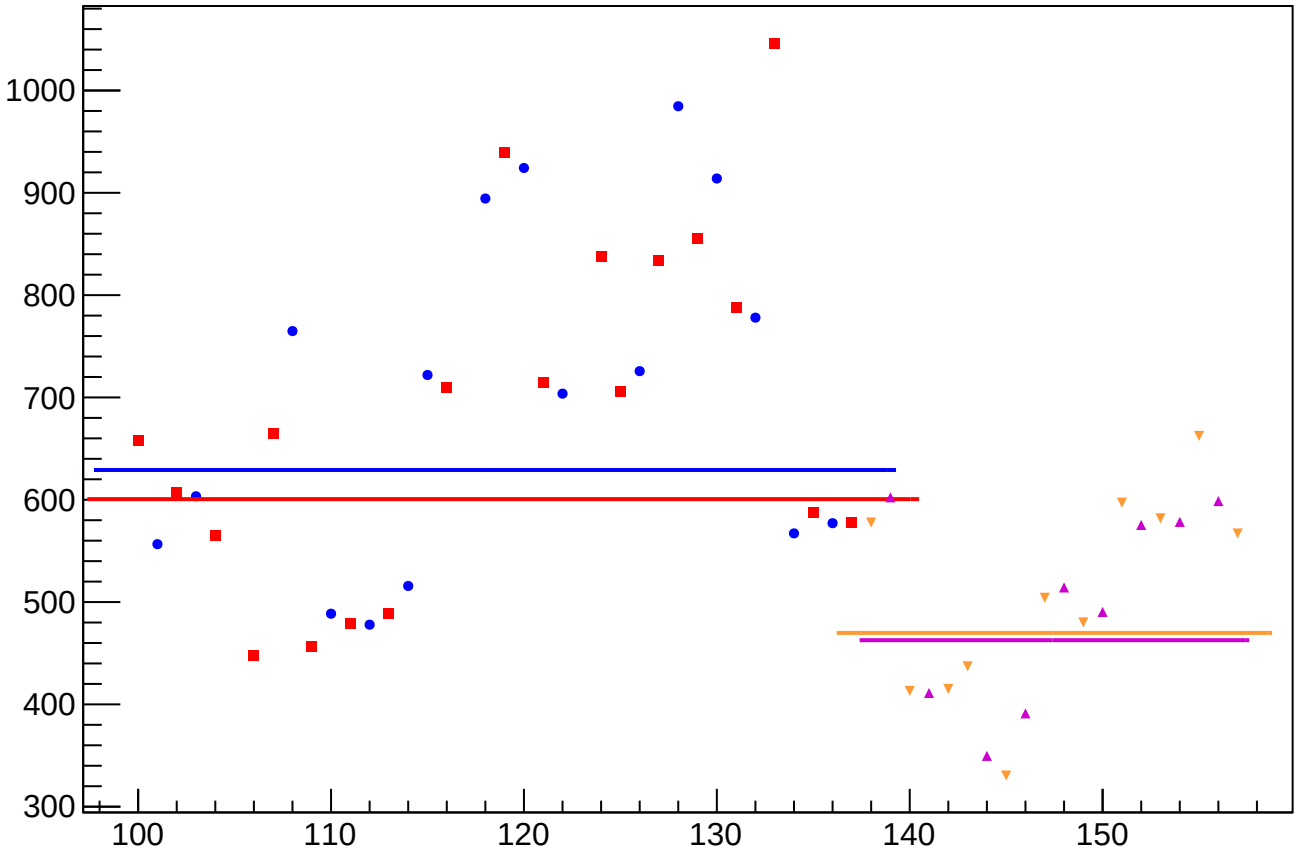
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 168.235+/-169.267 χ^2/NDF:5.1/8

+ sign 605.386+/-135.392 χ^2/NDF: 54.7/26

All: 454.389+/-95.862 χ^2/NDF: 77.4/54

- sign 302.600+/-135.747 χ^2/NDF: 20.2/27



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 469.867+/-0.116 χ^2/NDF:725705.8/10

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

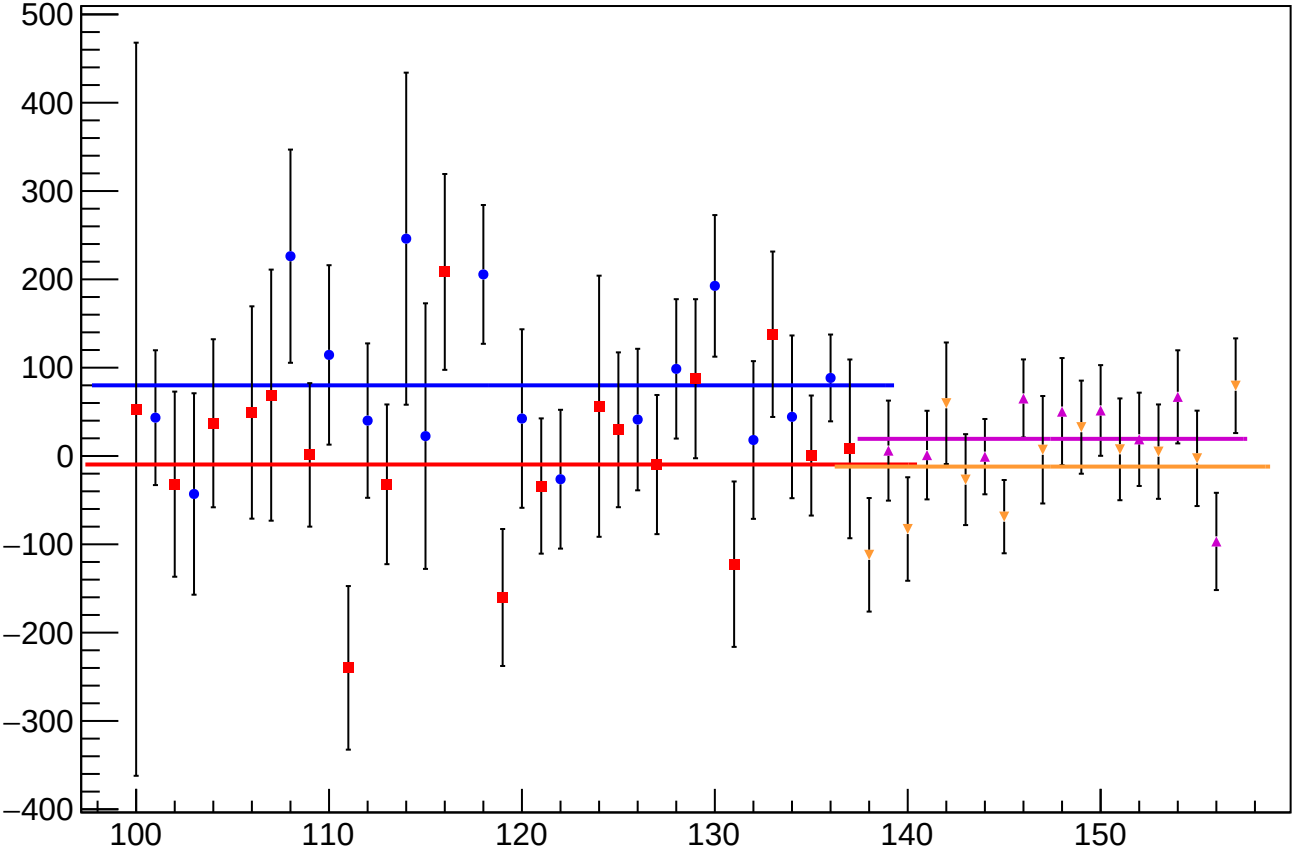
Left In: 462.731+/-0.120 χ^2/NDF:603748.3/8

+ sign 520.027+/-0.096 χ^2/NDF: 2015336.1/26

All: 515.988+/-0.068 χ^2/NDF: 3970695.5/54

- sign 511.927+/-0.096 χ^2/NDF: 1951789.0/27

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

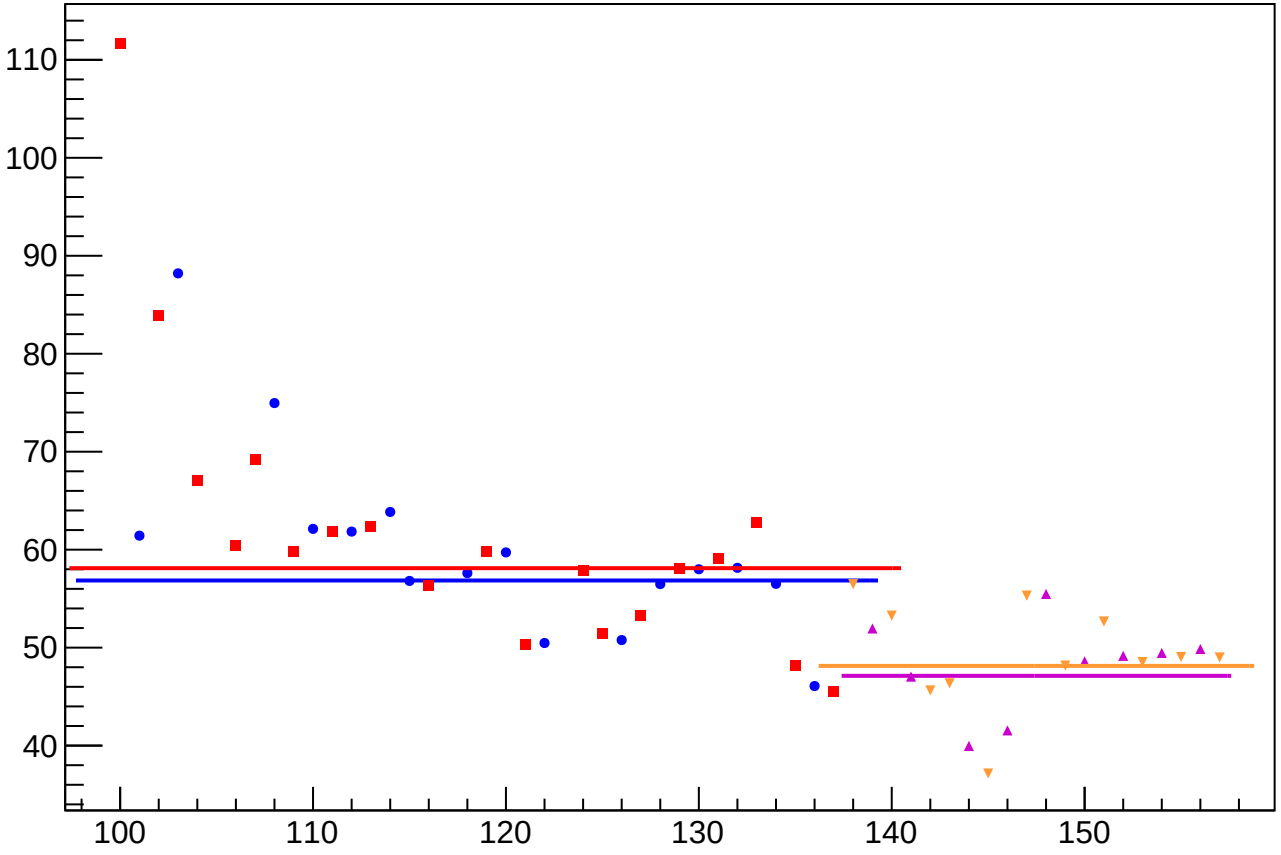
Left In: 19.411+/-16.977 χ^2/NDF:7.4/8

\+ sign 22.142+/-13.082 χ^2/NDF: 34.0/26

All: 15.386+/-9.345 χ^2/NDF: 63.4/54

\- sign 8.345+/-13.355 χ^2/NDF: 28.9/27

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

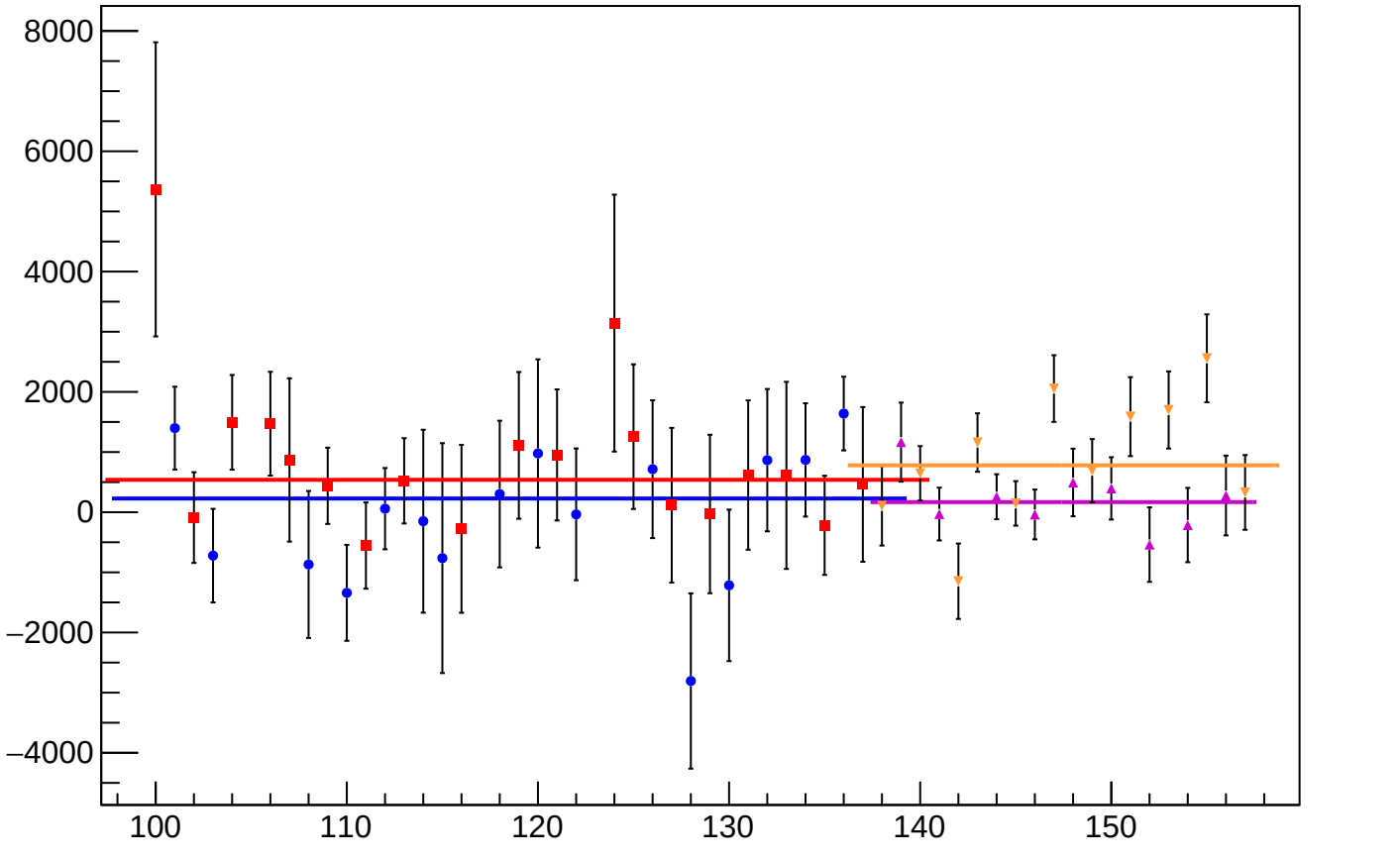
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.122+/-0.012 χ^2/NDF:154174.2/8

+ sign 51.371+/-0.009 χ^2/NDF: 784624.8/26

All: 51.341+/-0.007 χ^2/NDF: 1571147.0/54

- sign 51.311+/-0.009 χ^2/NDF: 786501.8/27



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

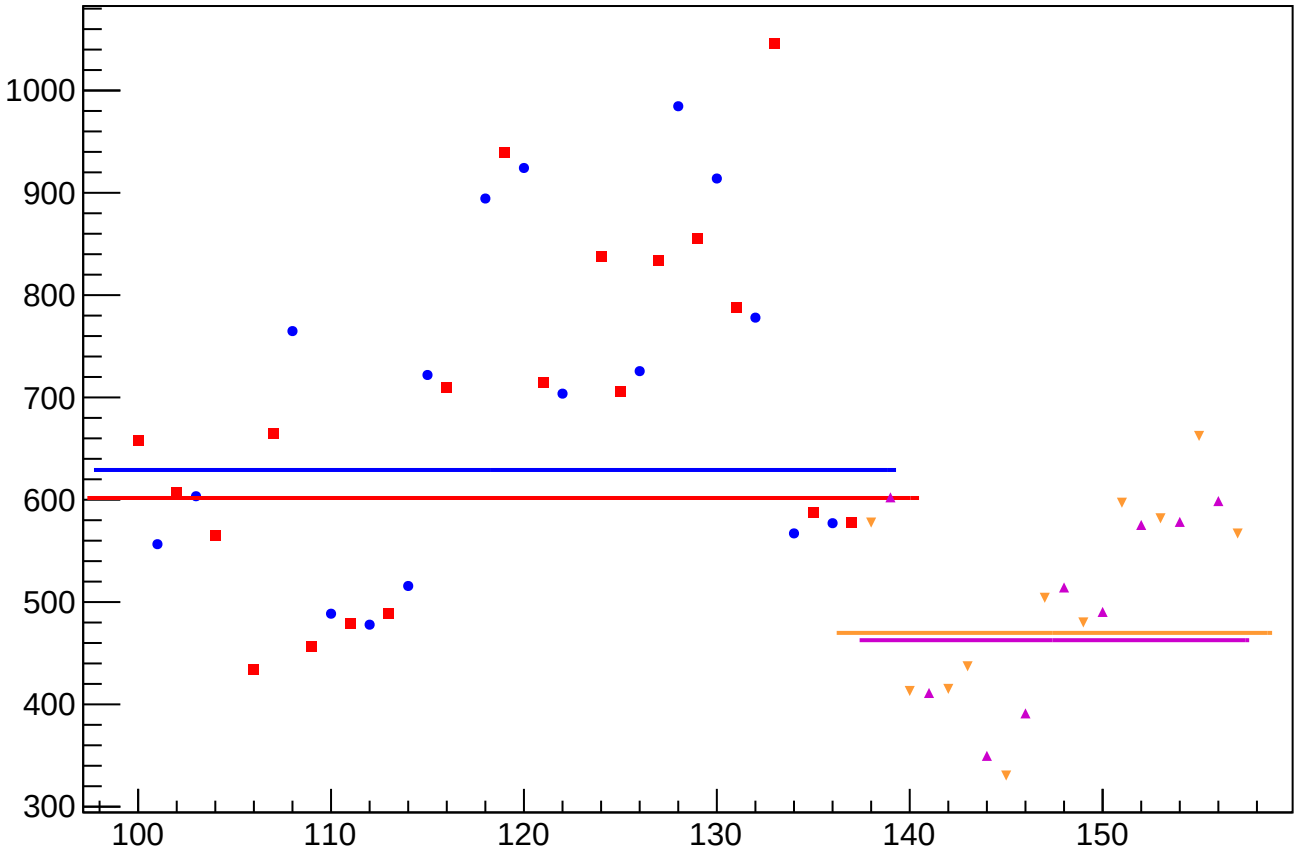
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 168.239+/-169.267 χ^2/NDF:5.1/8

\+ sign 605.398+/-135.392 χ^2/NDF: 54.7/26

All: 453.013+/-95.974 χ^2/NDF: 77.3/54

\- sign 299.105+/-136.067 χ^2/NDF: 20.1/27



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

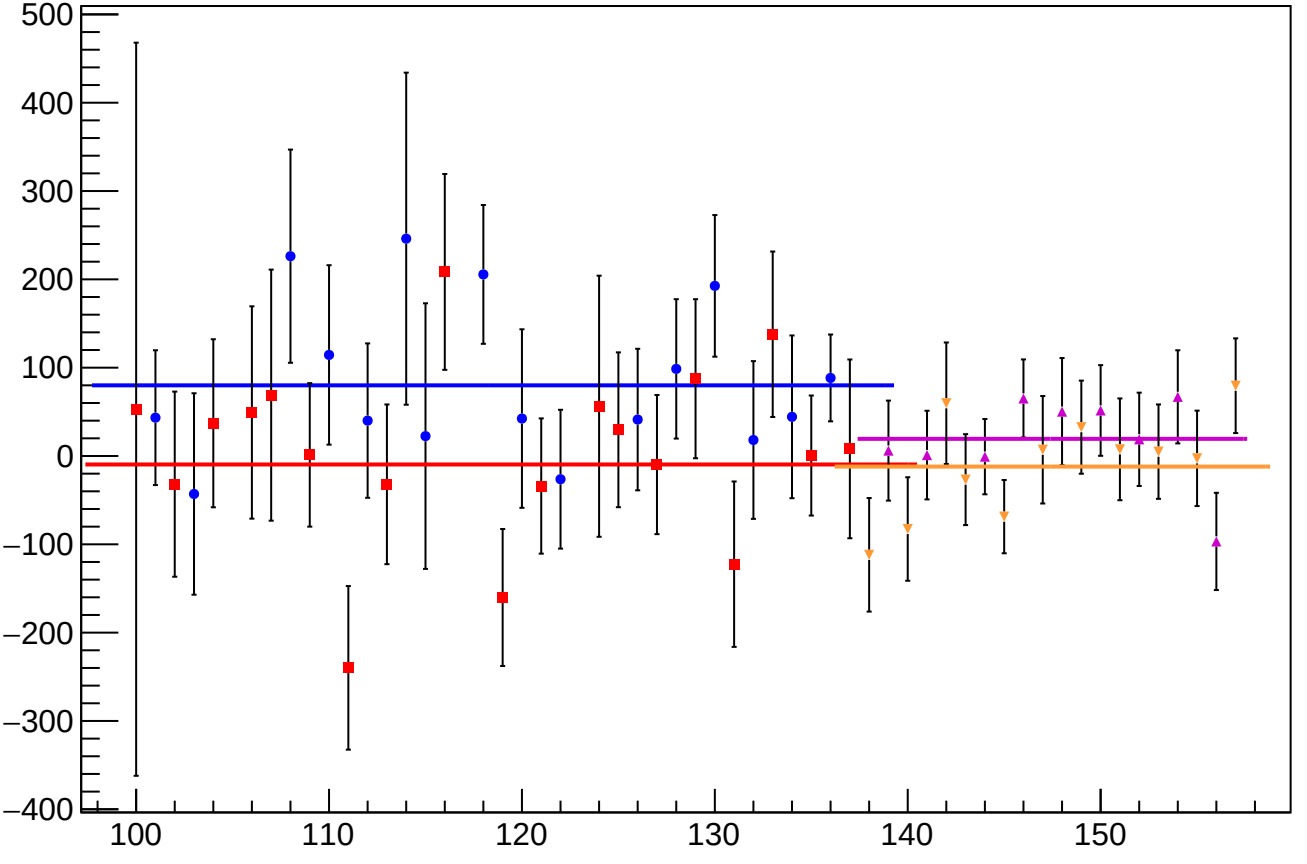
Left In: 462.732+/-0.120 χ^2/NDF:603747.2/8

\+ sign 520.028+/-0.096 χ^2/NDF: 2015360.7/26

All: 515.988+/-0.068 χ^2/NDF: 3973834.1/54

\- sign 511.907+/-0.096 χ^2/NDF: 1954893.4/27

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -11.999+/-16.496 χ^2/NDF:10.9/10

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

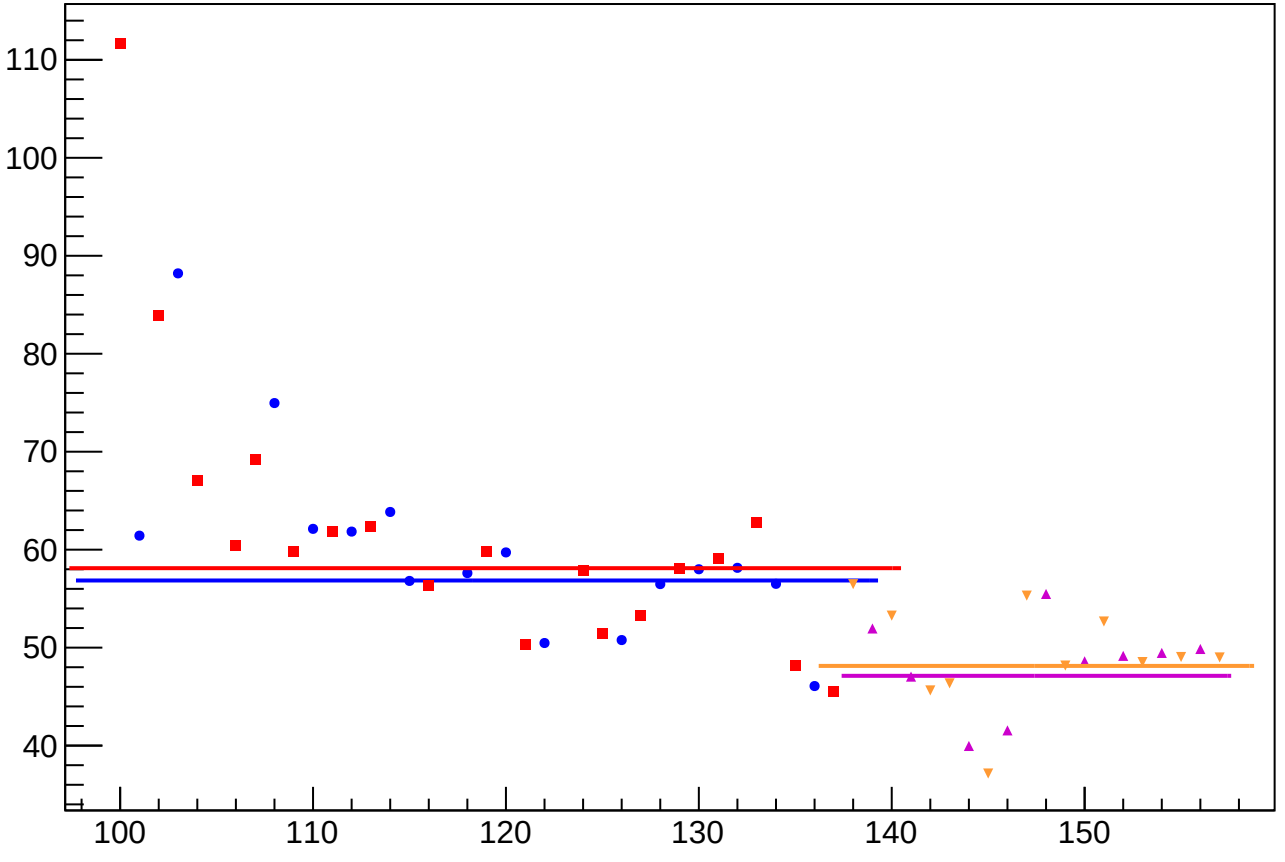
Left In: 19.411+/-16.977 χ^2/NDF:7.4/8

+ sign 22.142+/-13.082 χ^2/NDF: 34.0/26

All: 15.386+/-9.345 χ^2/NDF: 63.4/54

- sign 8.345+/-13.355 χ^2/NDF: 28.9/27

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.135+/-0.012 χ^2/NDF:235639.0/10

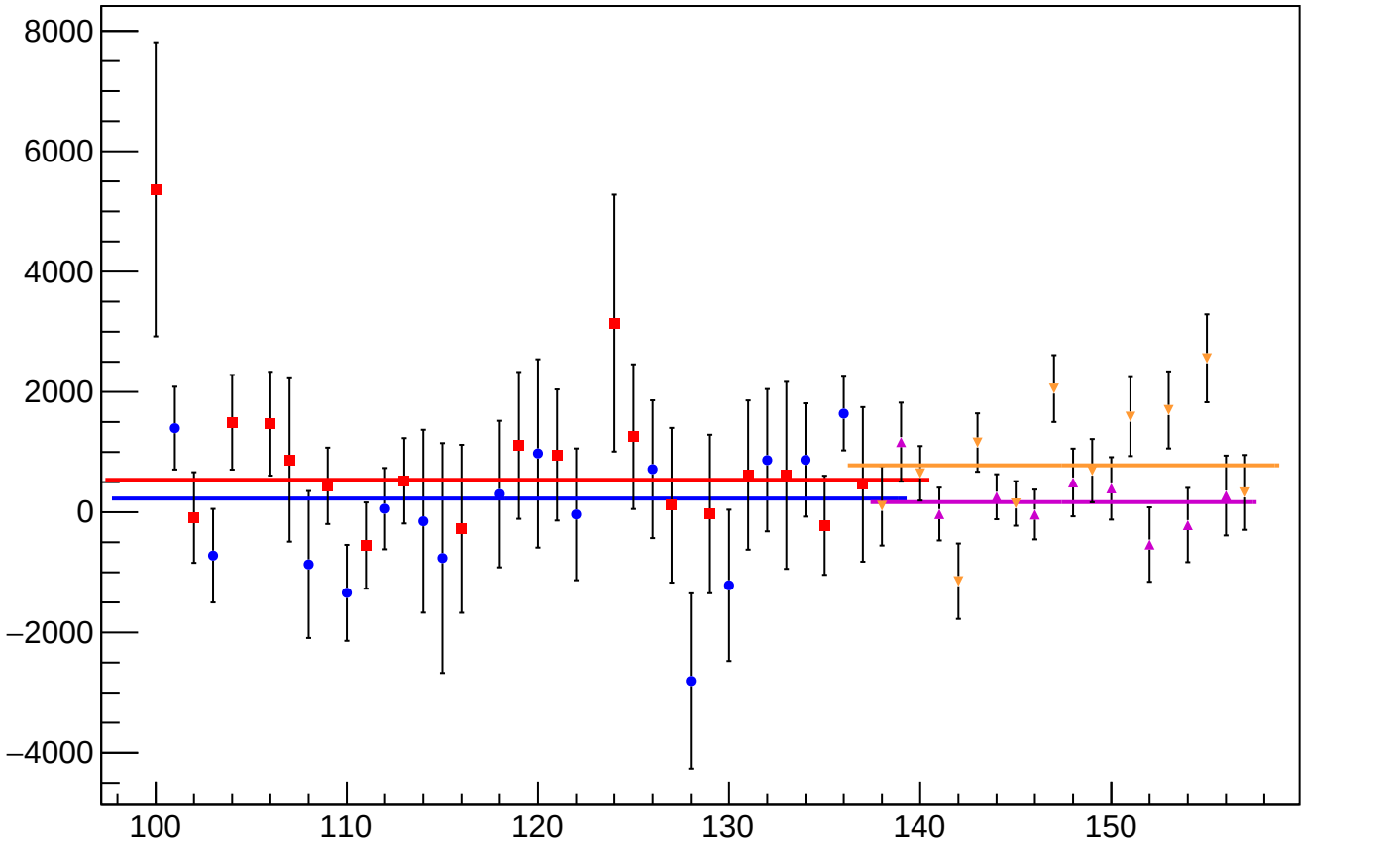
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.122+/-0.012 χ^2/NDF:154174.2/8

+ sign 51.371+/-0.009 χ^2/NDF: 784624.8/26

All: 51.341+/-0.007 χ^2/NDF: 1571147.0/54

- sign 51.311+/-0.009 χ^2/NDF: 786501.8/27



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 779.169+/-163.589 χ^2/NDF:29.5/10

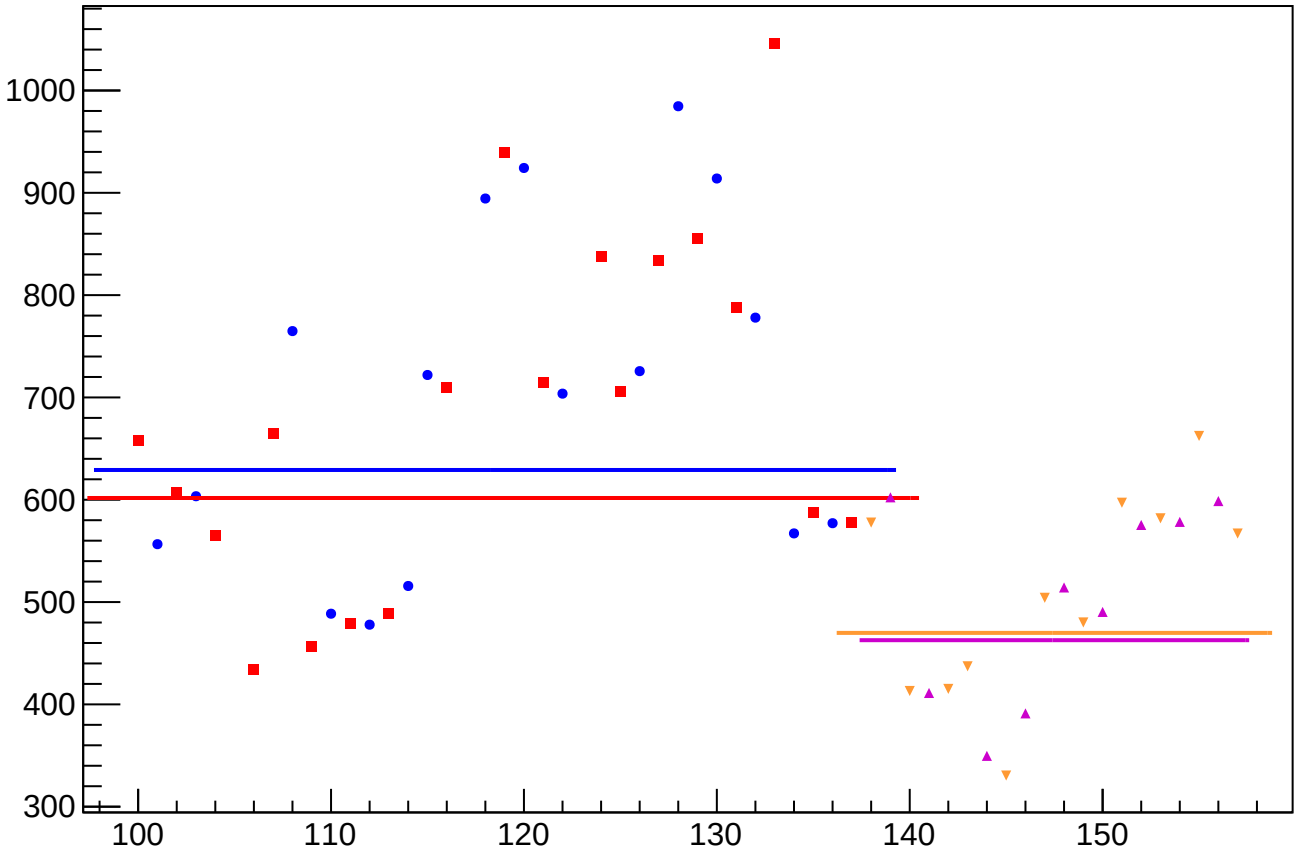
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 168.239+/-169.267 χ^2/NDF:5.1/8

\+ sign 605.398+/-135.392 χ^2/NDF: 54.7/26

All: 453.013+/-95.974 χ^2/NDF: 77.3/54

\- sign 299.105+/-136.067 χ^2/NDF: 20.1/27



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 469.867+/-0.116 χ^2/NDF:725707.8/10

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

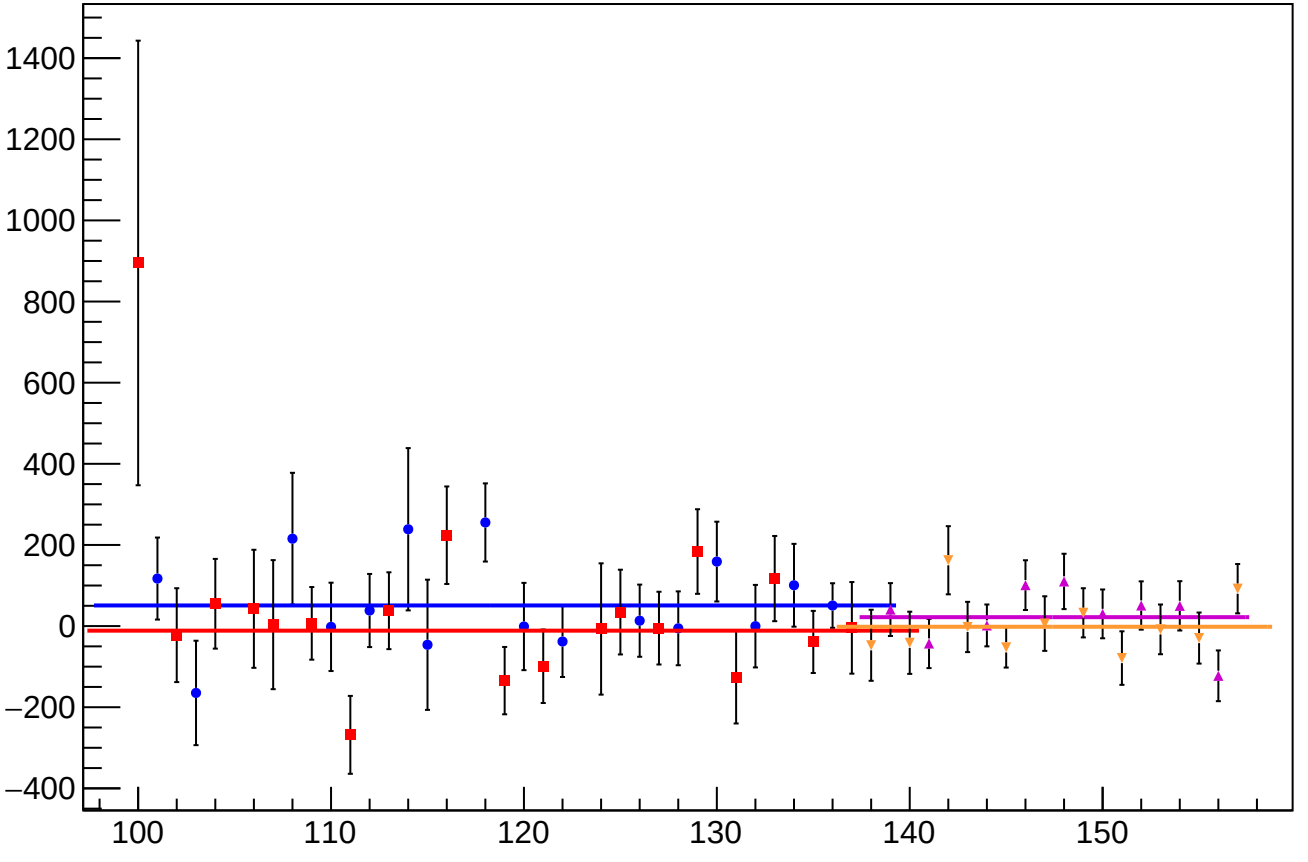
Left In: 462.732+/-0.120 χ^2/NDF:603747.2/8

+ sign 520.028+/-0.096 χ^2/NDF: 2015360.7/26

All: 515.988+/-0.068 χ^2/NDF: 3973834.1/54

- sign 511.907+/-0.096 χ^2/NDF: 1954893.4/27

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.677+/-19.543 χ^2/NDF:9.7/10

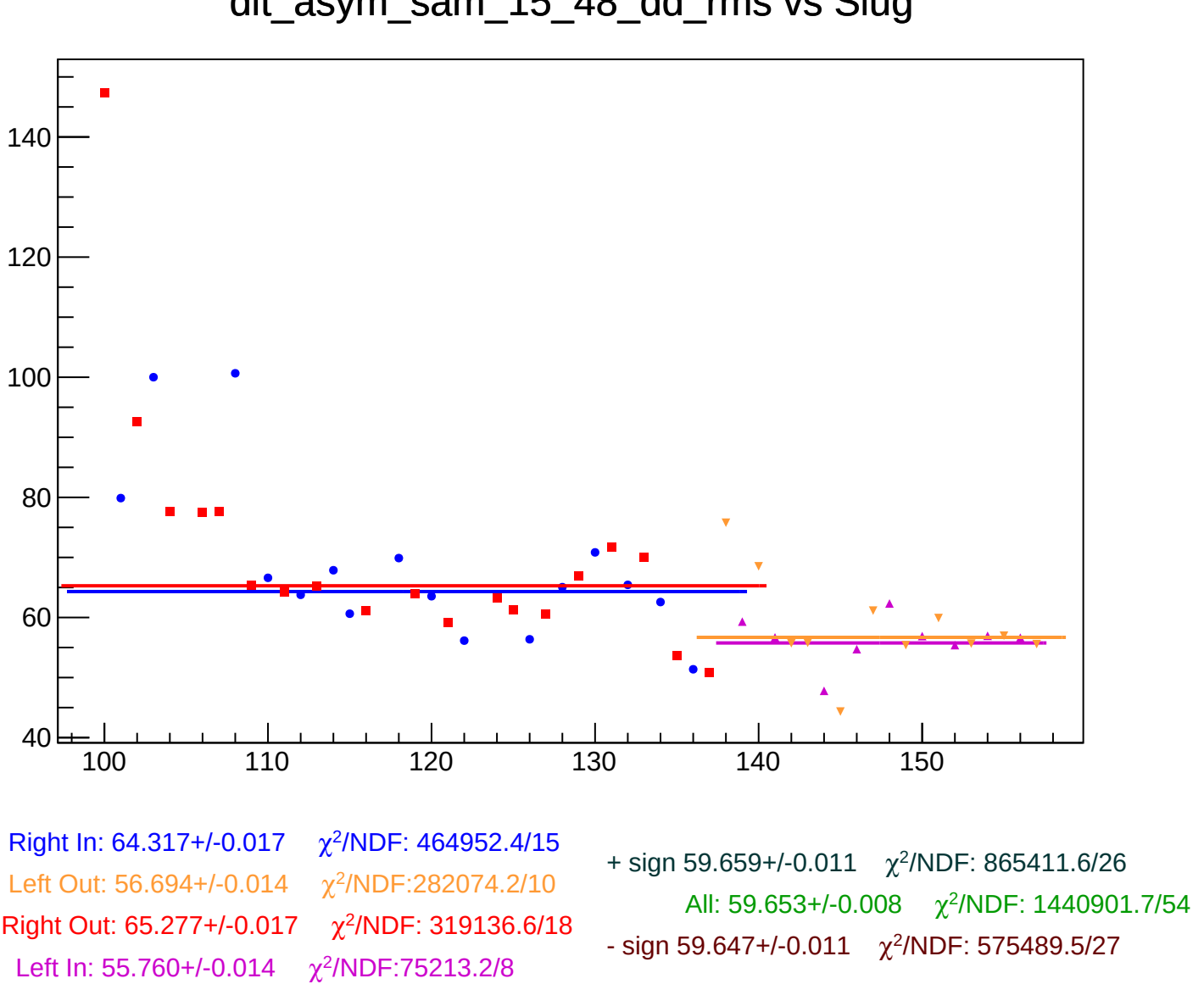
Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: 22.001+/-20.212 χ^2/NDF:10.5/8

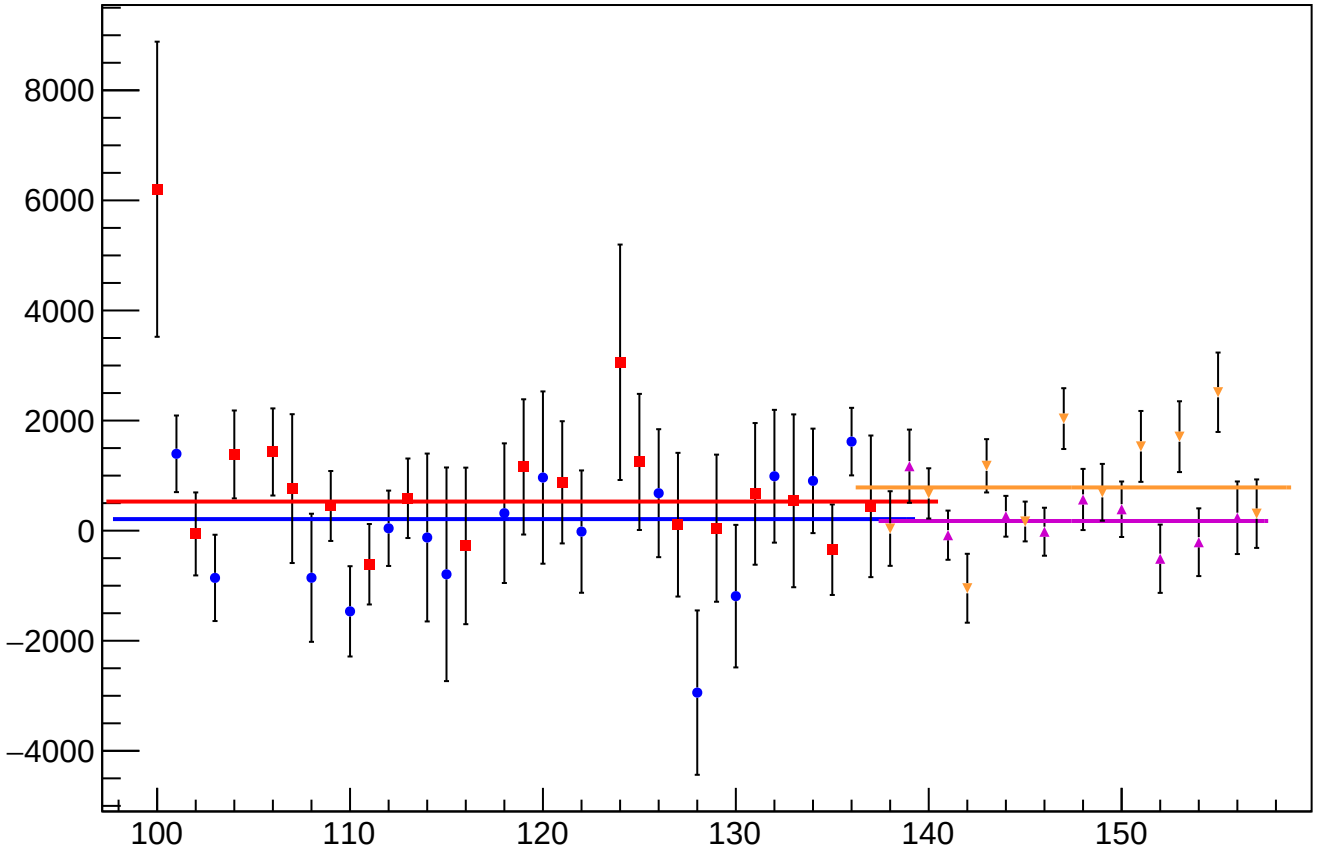
+ sign 18.761+/-15.276 χ^2/NDF: 26.3/26

All: 13.679+/-10.896 χ^2/NDF: 62.2/54

- sign 8.416+/-15.546 χ^2/NDF: 35.6/27


dit_asym_sam_15_48_dd_rms vs Slug
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 64.317+/-0.017 χ²/NDF: 464952.4/15
Left Out: 56.694+/-0.014 χ²/NDF:282074.2/10
Right Out: 65.277+/-0.017 χ²/NDF: 319136.6/18
Left In: 55.760+/-0.014 χ²/NDF:75213.2/8
+ sign 59.659+/-0.011 χ²/NDF: 865411.6/26
All: 59.653+/-0.008 χ²/NDF: 1440901.7/54
- sign 59.647+/-0.011 χ²/NDF: 575489.5/27

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.285+/-162.615 χ^2/NDF:28.3/10

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

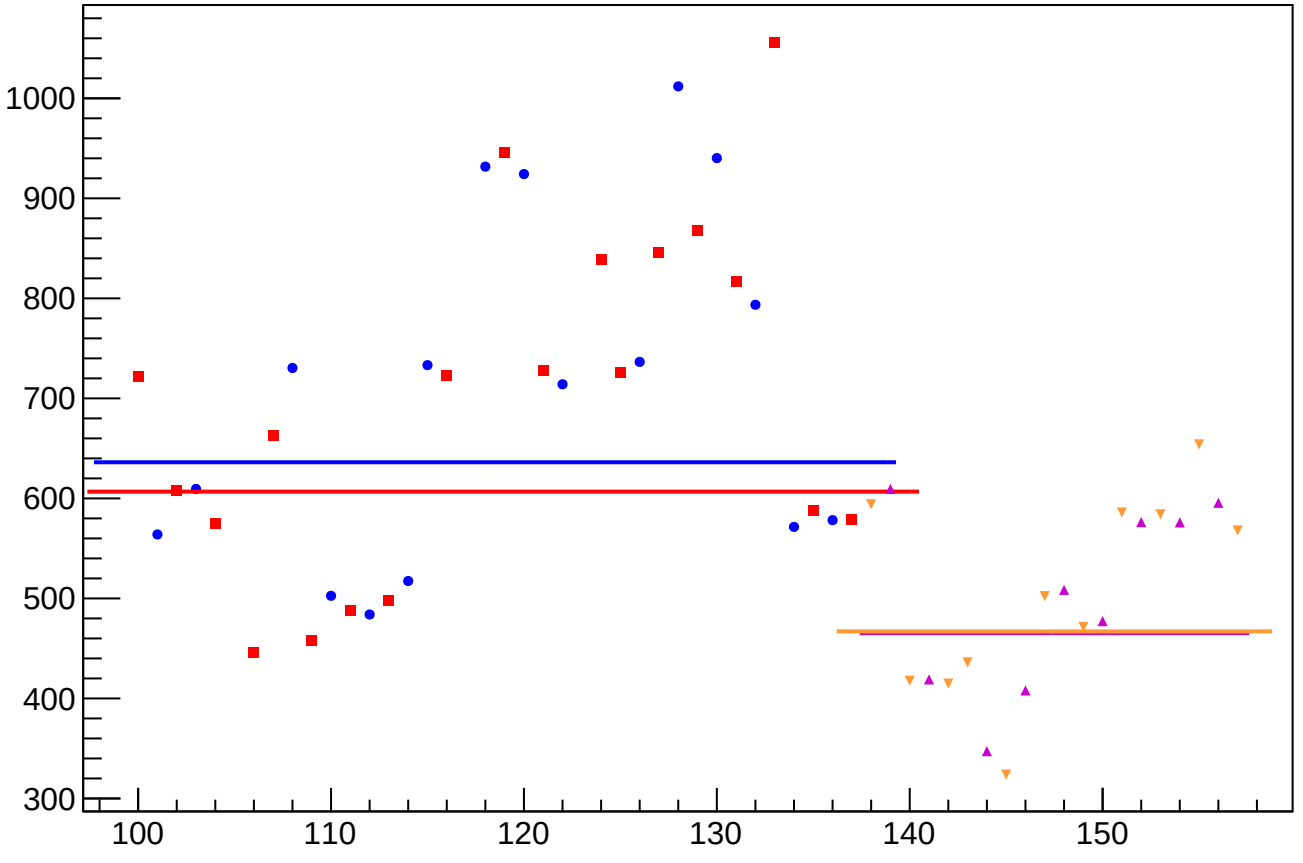
Left In: 175.533+/-170.167 χ^2/NDF:5.1/8

\+ sign 608.155+/-135.282 χ^2/NDF: 54.6/26

All: 456.054+/-96.166 χ^2/NDF: 77.6/54

\- sign 300.682+/-136.729 χ^2/NDF: 20.5/27

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 467.061+/-0.115 χ^2/NDF:759031.5/10

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

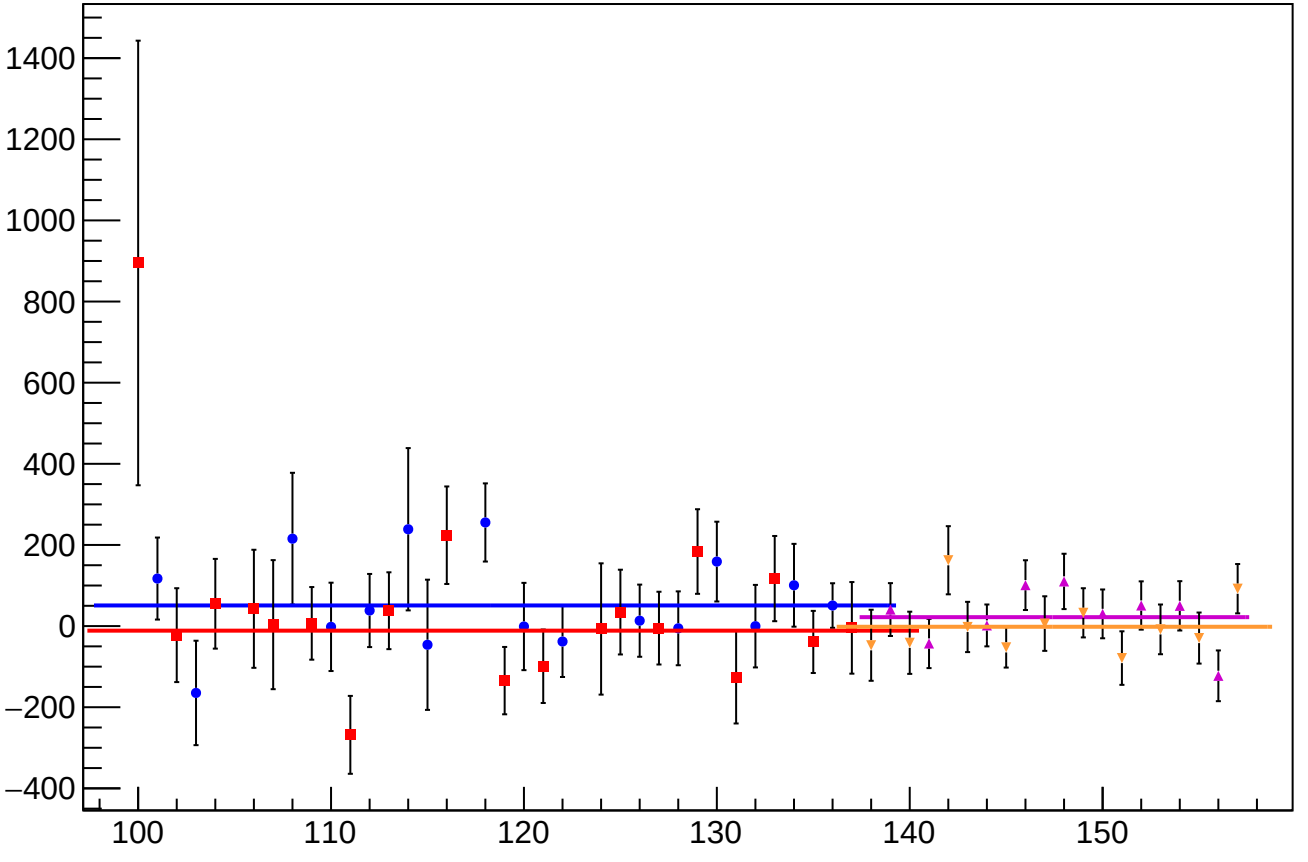
Left In: 465.341+/-0.120 χ^2/NDF:573225.0/8

+ sign 519.123+/-0.096 χ^2/NDF: 2130054.1/26

All: 517.318+/-0.068 χ^2/NDF: 4087699.5/54

- sign 515.474+/-0.097 χ^2/NDF: 1956925.3/27

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -1.678+/-19.543 χ^2/NDF:9.7/10

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

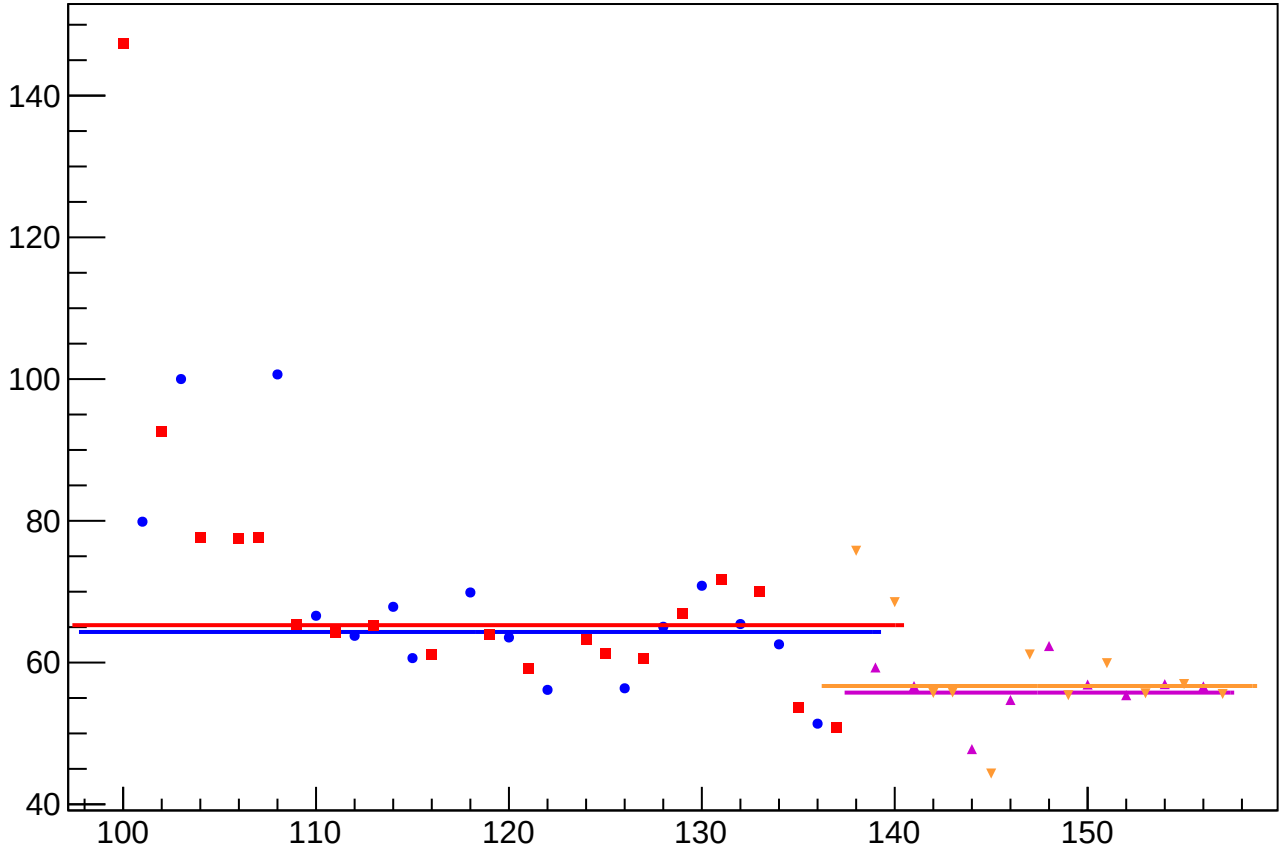
Left In: 22.002+/-20.212 χ^2/NDF:10.5/8

+ sign 18.760+/-15.276 χ^2/NDF: 26.3/26

All: 13.678+/-10.896 χ^2/NDF: 62.2/54

- sign 8.416+/-15.546 χ^2/NDF: 35.6/27

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.694+/-0.014 χ^2/NDF:282060.5/10

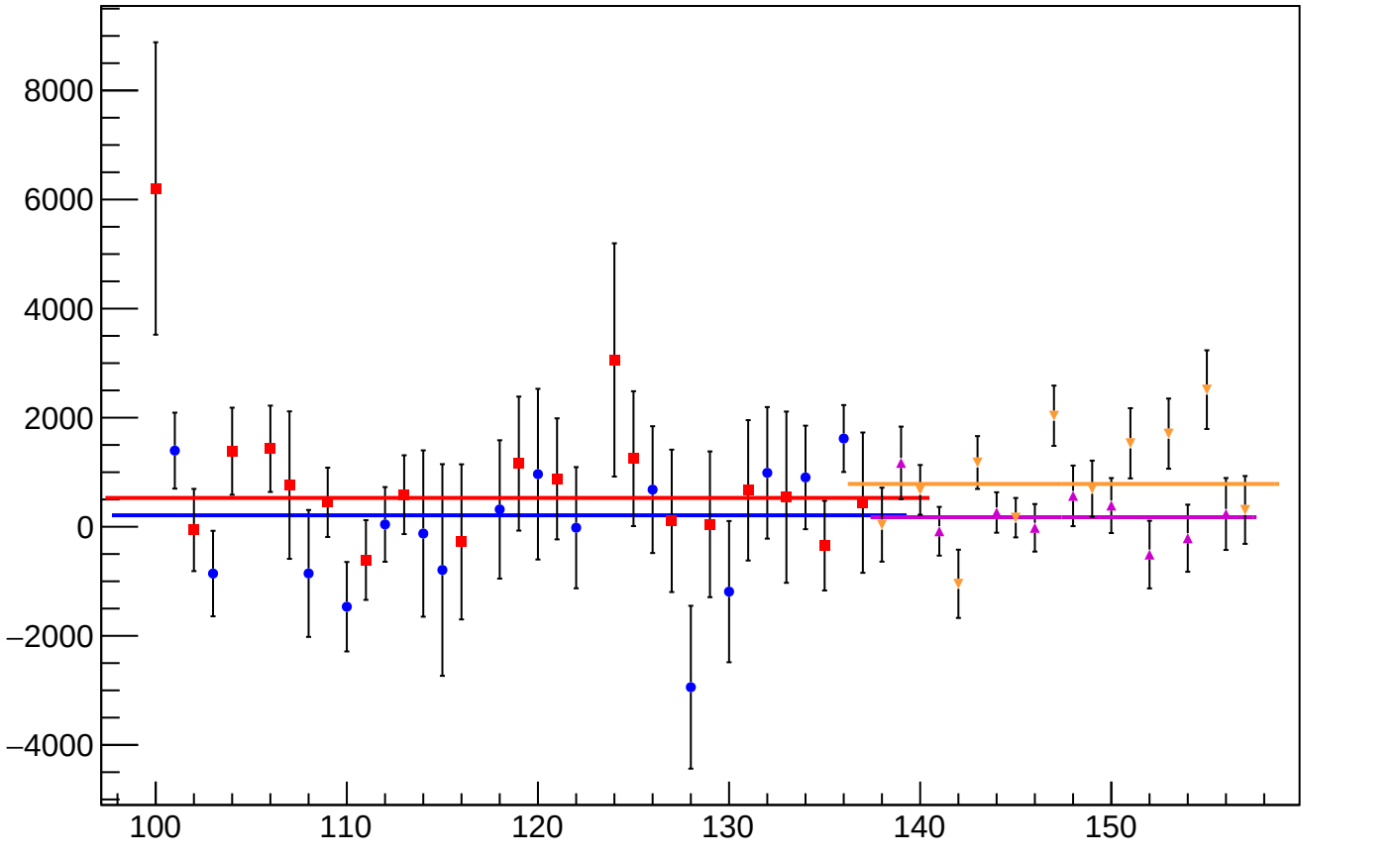
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.760+/-0.014 χ^2/NDF:75208.7/8

+ sign 59.659+/-0.011 χ^2/NDF: 865388.4/26

All: 59.653+/-0.008 χ^2/NDF: 1440868.5/54

- sign 59.647+/-0.011 χ^2/NDF: 575479.5/27



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 785.284+/-162.614 χ^2/NDF:28.3/10

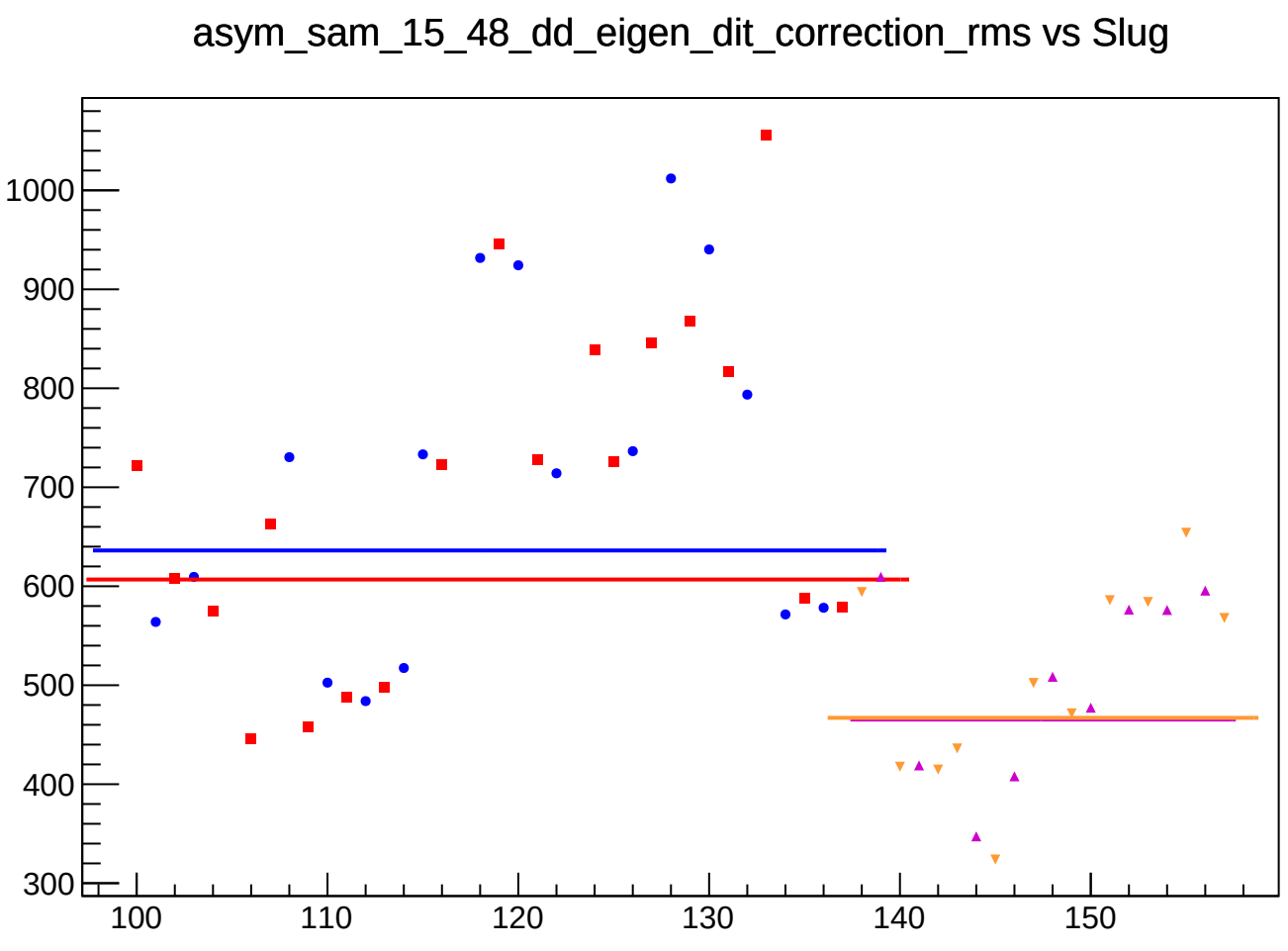
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 175.532+/-170.167 χ^2/NDF:5.1/8

+ sign 608.154+/-135.282 χ^2/NDF: 54.6/26

All: 456.053+/-96.166 χ^2/NDF: 77.6/54

- sign 300.682+/-136.729 χ^2/NDF: 20.5/27



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 467.060+/-0.115 χ^2/NDF:759038.2/10

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

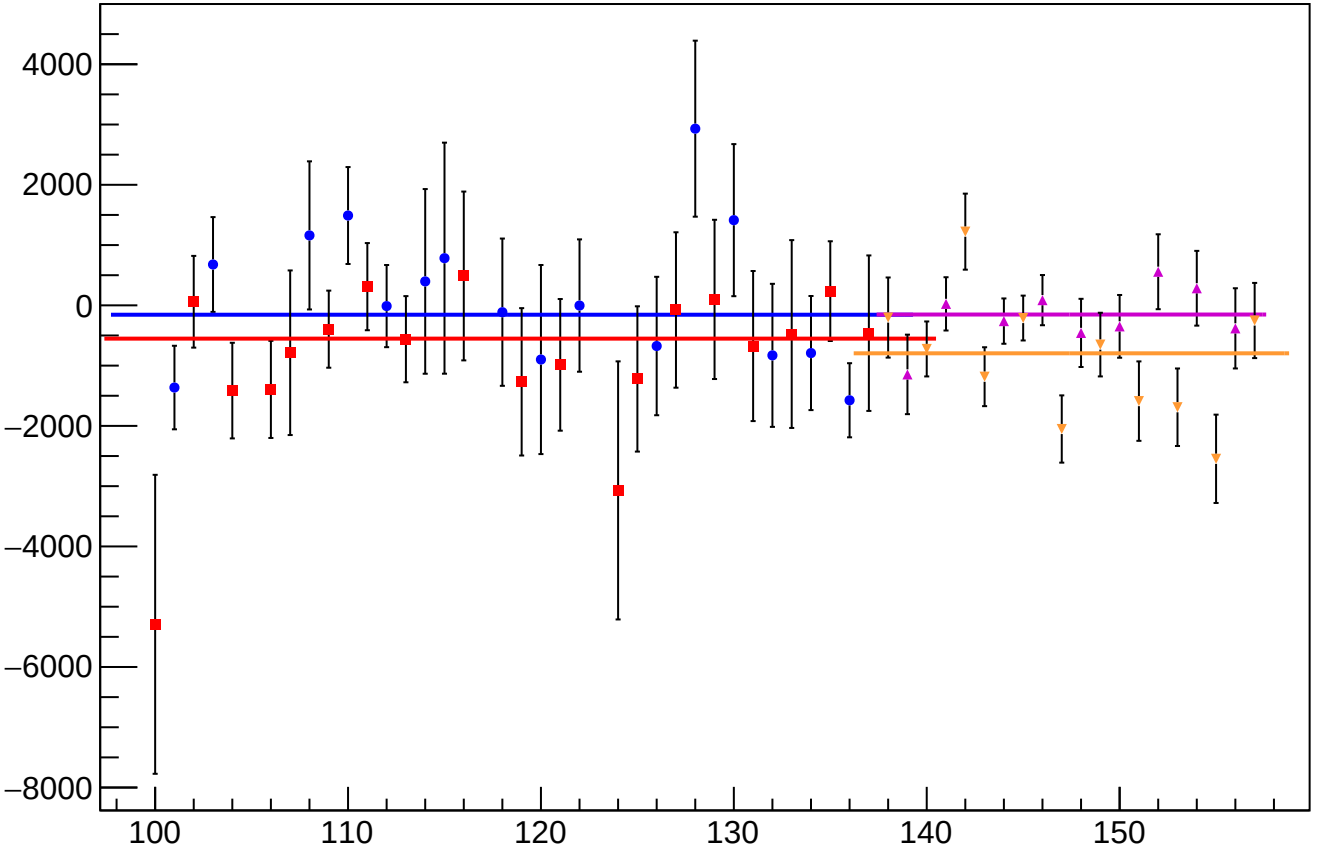
Left In: 465.340+/-0.120 χ^2/NDF:573225.7/8

+ sign 519.123+/-0.096 χ^2/NDF: 2130068.0/26

All: 517.317+/-0.068 χ^2/NDF: 4087716.9/54

- sign 515.473+/-0.097 χ^2/NDF: 1956928.9/27

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -795.795+/-164.516 χ^2/NDF:29.2/10

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

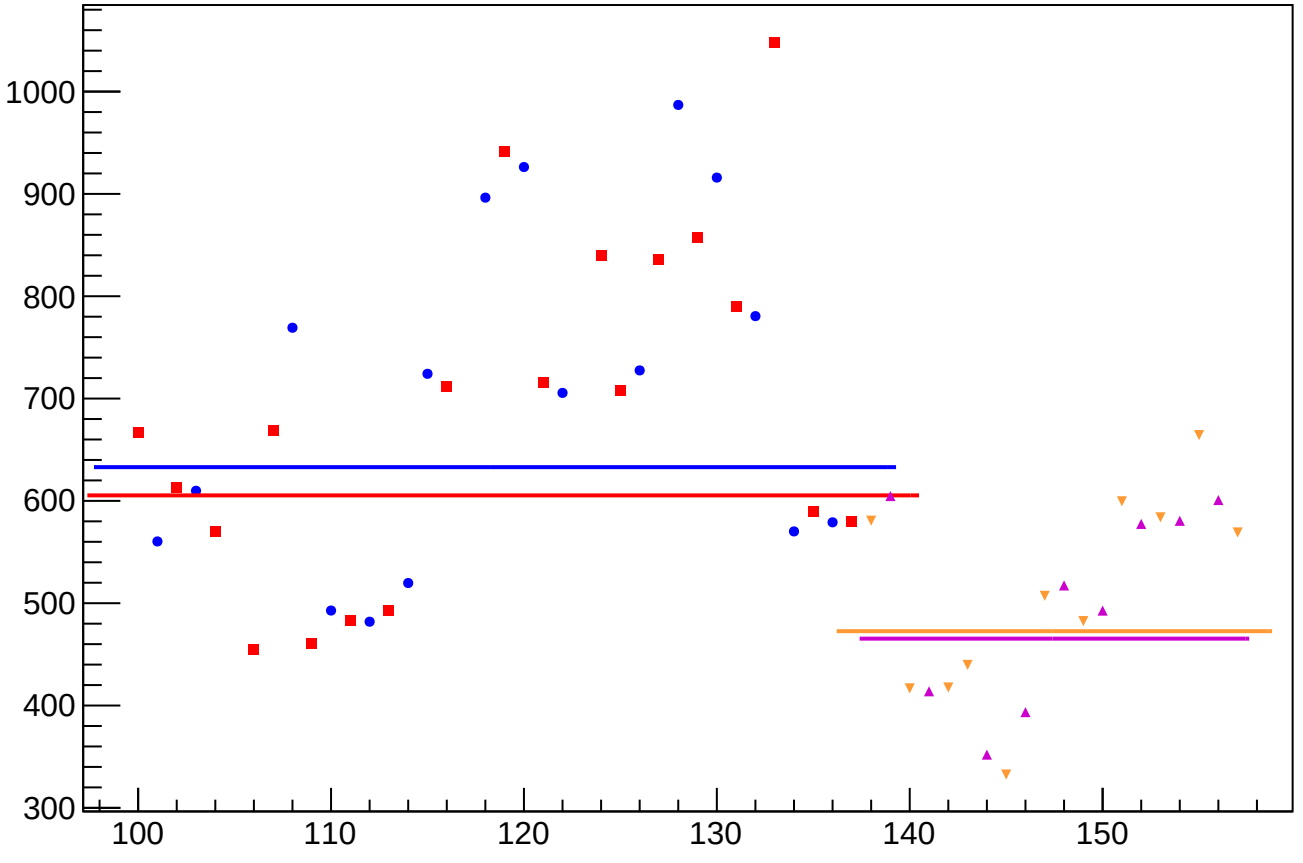
Left In: -152.302+/-170.192 χ^2/NDF:5.2/8

+ sign -594.140+/-136.159 χ^2/NDF: 56.4/26

All: -444.862+/-96.426 χ^2/NDF: 78.1/54

- sign -294.670+/-136.575 χ^2/NDF: 19.3/27

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 472.662+/-0.116 χ^2/NDF:717645.8/10

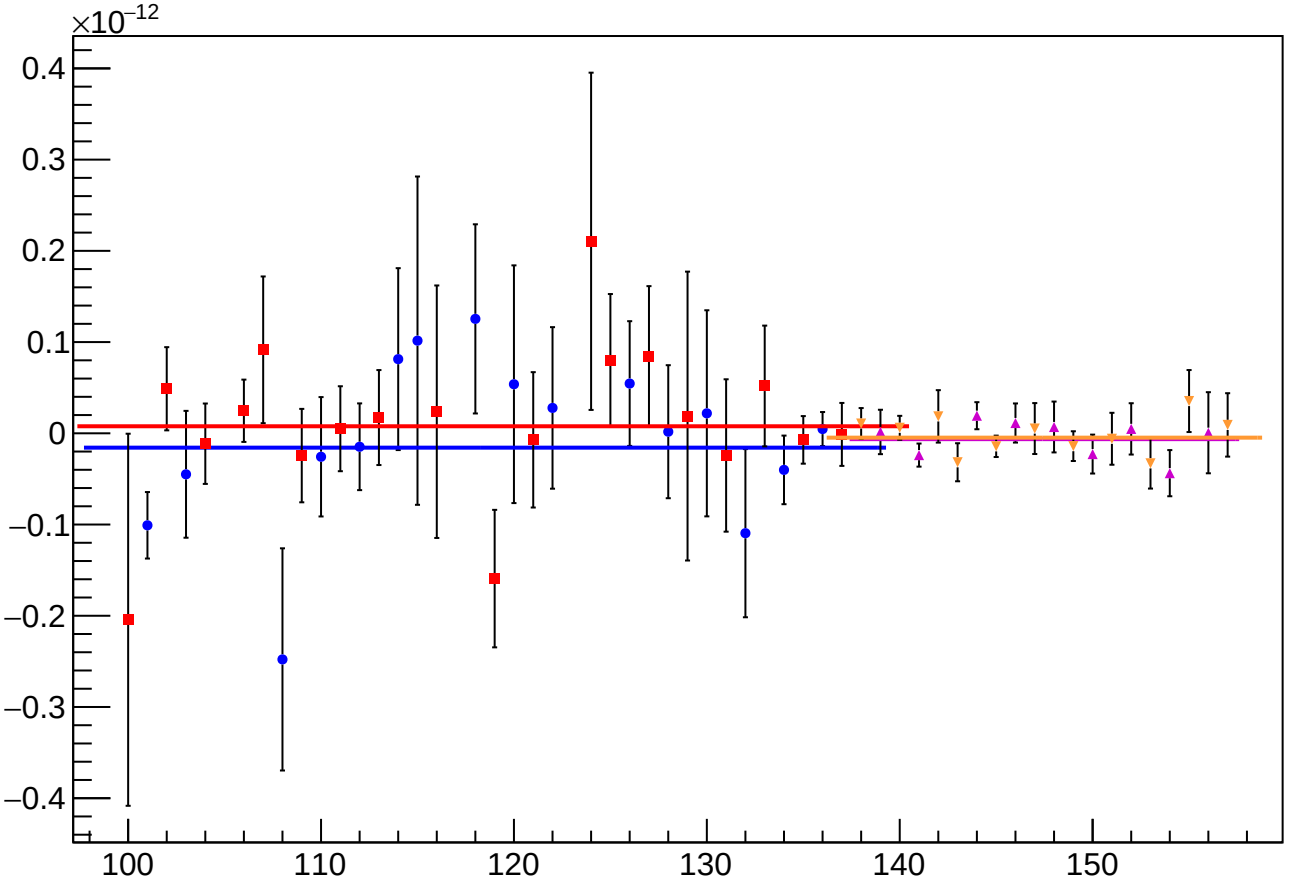
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 465.378+/-0.120 χ^2/NDF:597103.2/8

+ sign 523.160+/-0.096 χ^2/NDF: 1996969.0/26

All: 519.203+/-0.068 χ^2/NDF: 3933259.0/54

- sign 515.221+/-0.097 χ^2/NDF: 1932900.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/10

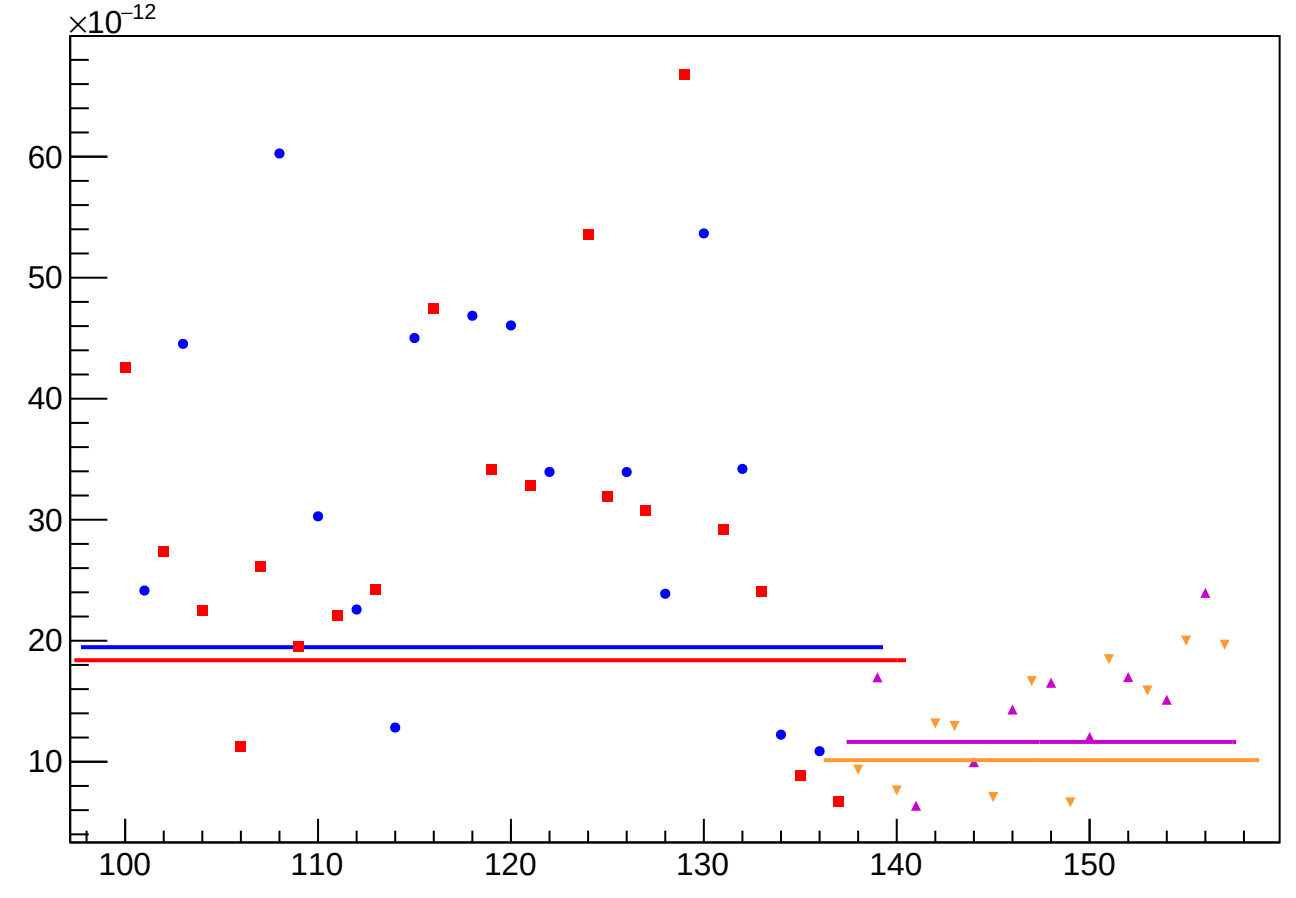
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/26

All: -0.000+/-0.000 χ^2/NDF: 48.2/54

- sign -0.000+/-0.000 χ^2/NDF: 22.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050638.9/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

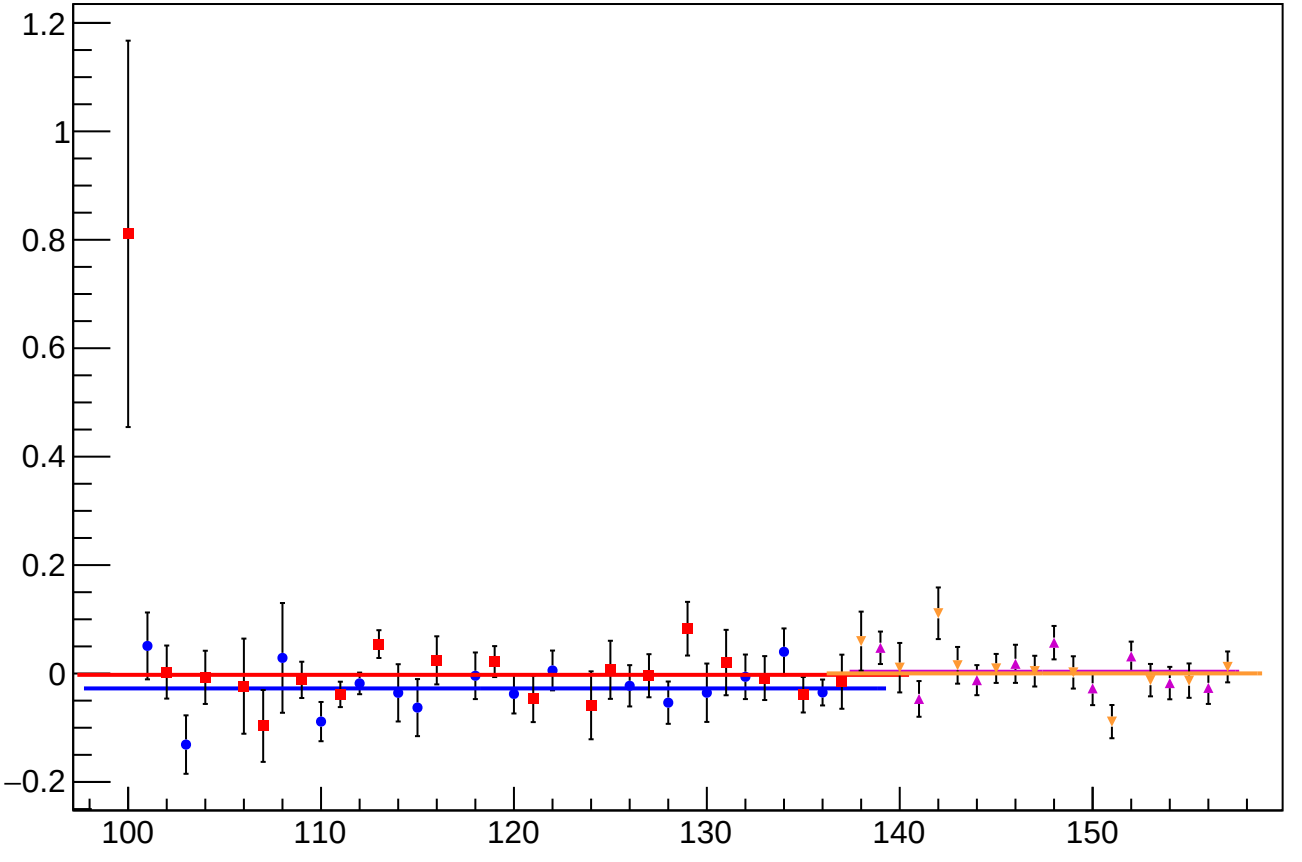
Left In: 0.000+/-0.000 χ^2/NDF:826396.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3688890.6/26

All: 0.000+/-0.000 χ^2/NDF: 6496949.6/54

- sign 0.000+/-0.000 χ^2/NDF: 2739380.3/27

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

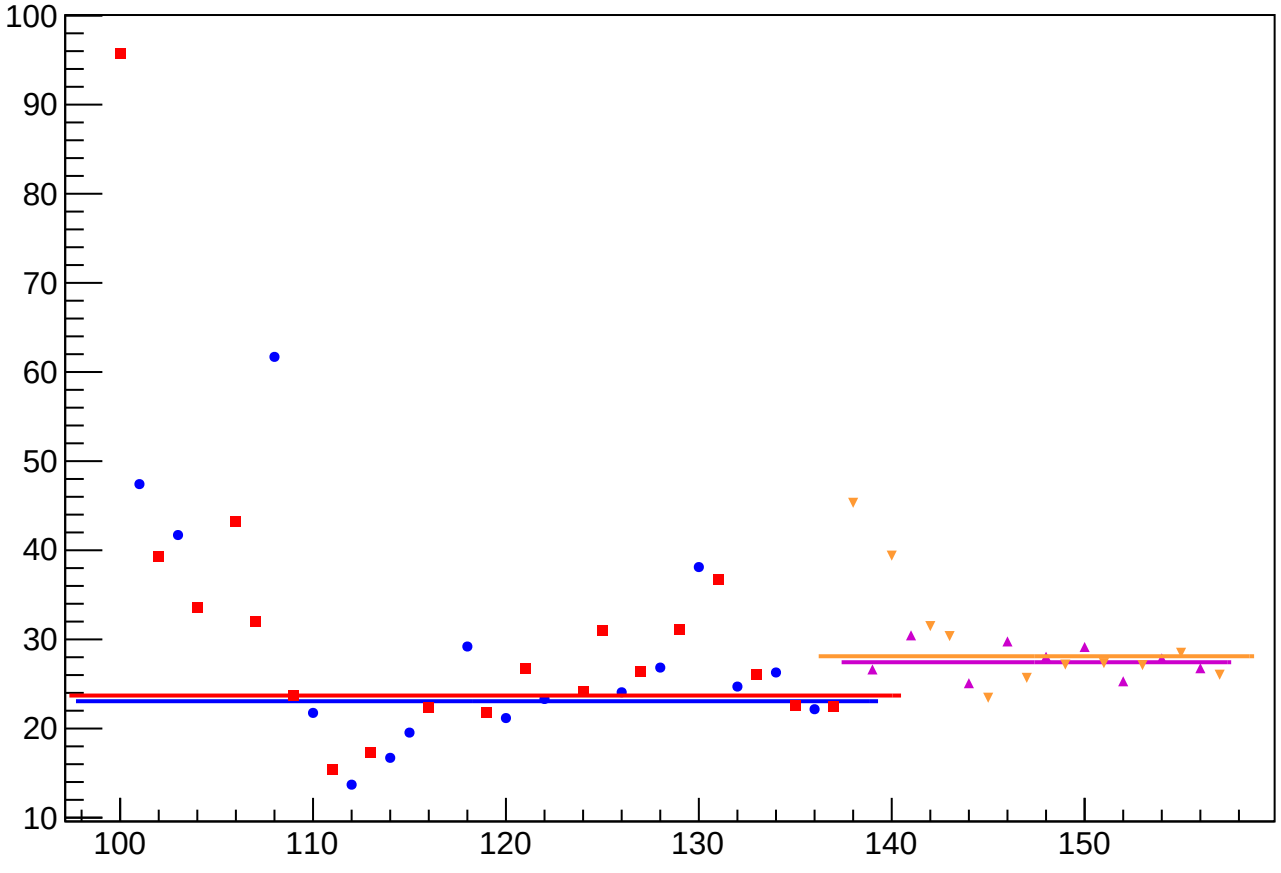
Left In: 0.003+/-0.010 χ^2/NDF:11.6/8

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.007+/-0.005 χ^2/NDF: 69.9/54

- sign 0.000+/-0.007 χ^2/NDF: 33.8/27

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

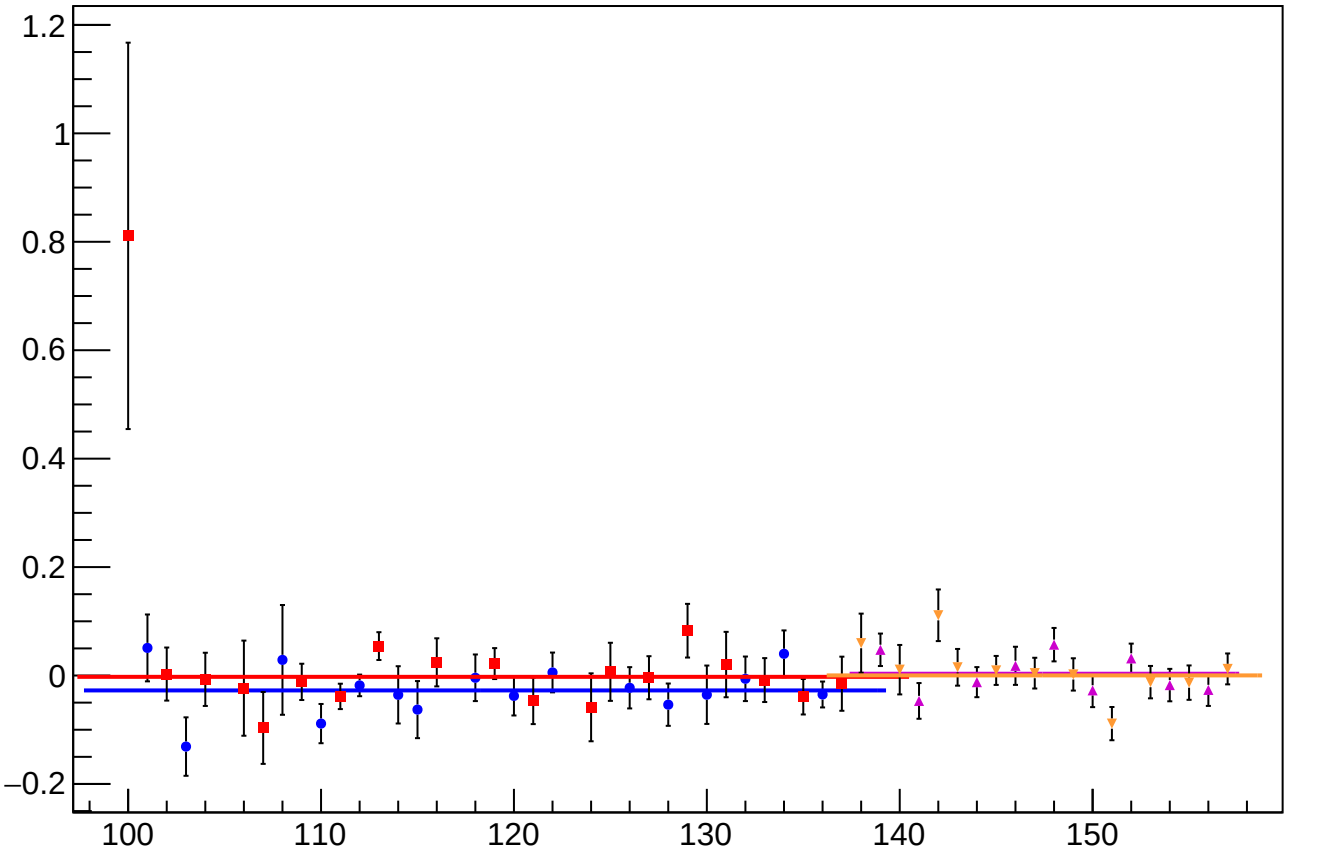
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.439+/-0.007 χ^2/NDF:62085.6/8

+ sign 25.469+/-0.005 χ^2/NDF: 2271817.8/26

All: 25.444+/-0.003 χ^2/NDF: 3571067.2/54

- sign 25.419+/-0.005 χ^2/NDF: 1299196.4/27



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

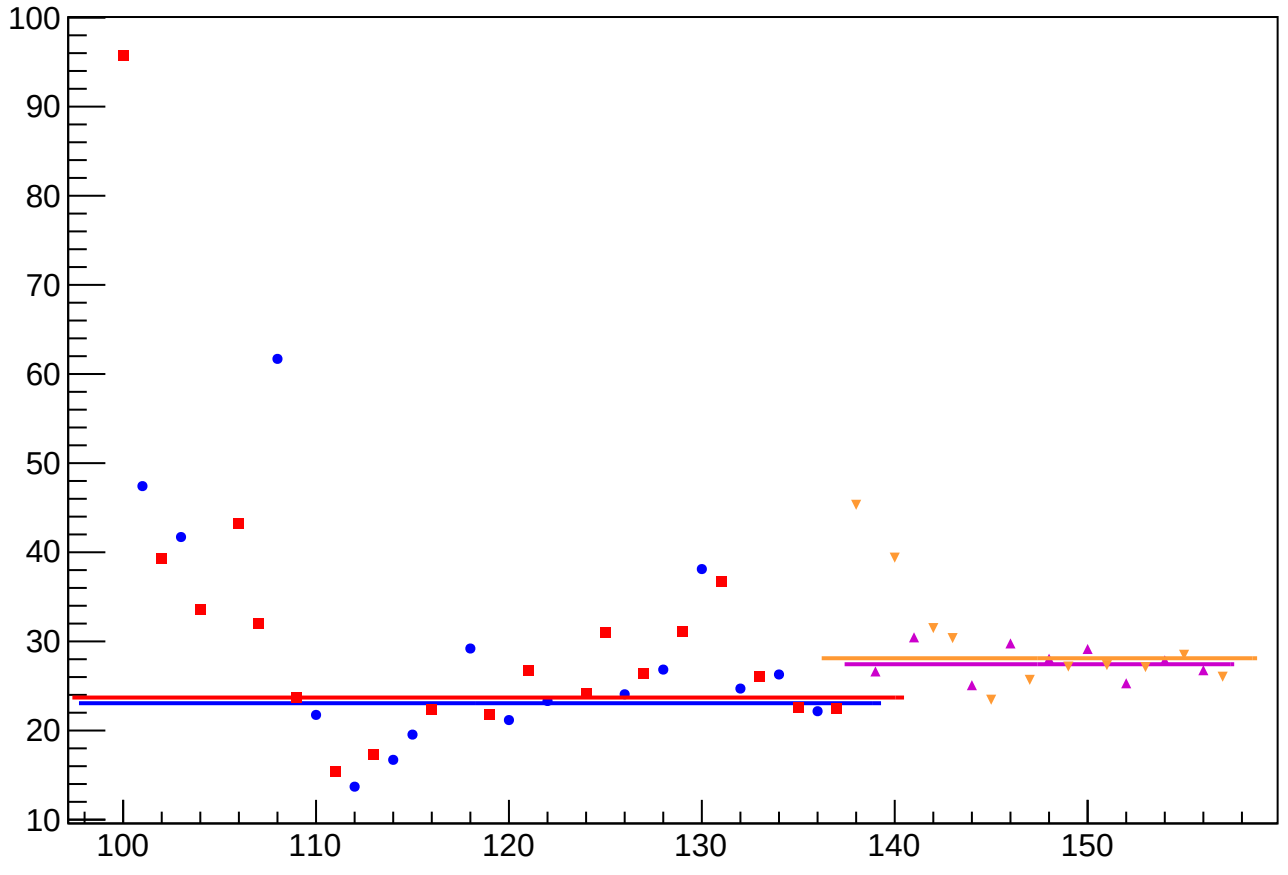
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.010 χ^2/NDF:11.6/8

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.007+/-0.005 χ^2/NDF: 69.9/54

- sign 0.000+/-0.007 χ^2/NDF: 33.8/27



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.111+/-0.007 χ^2/NDF:432551.5/10

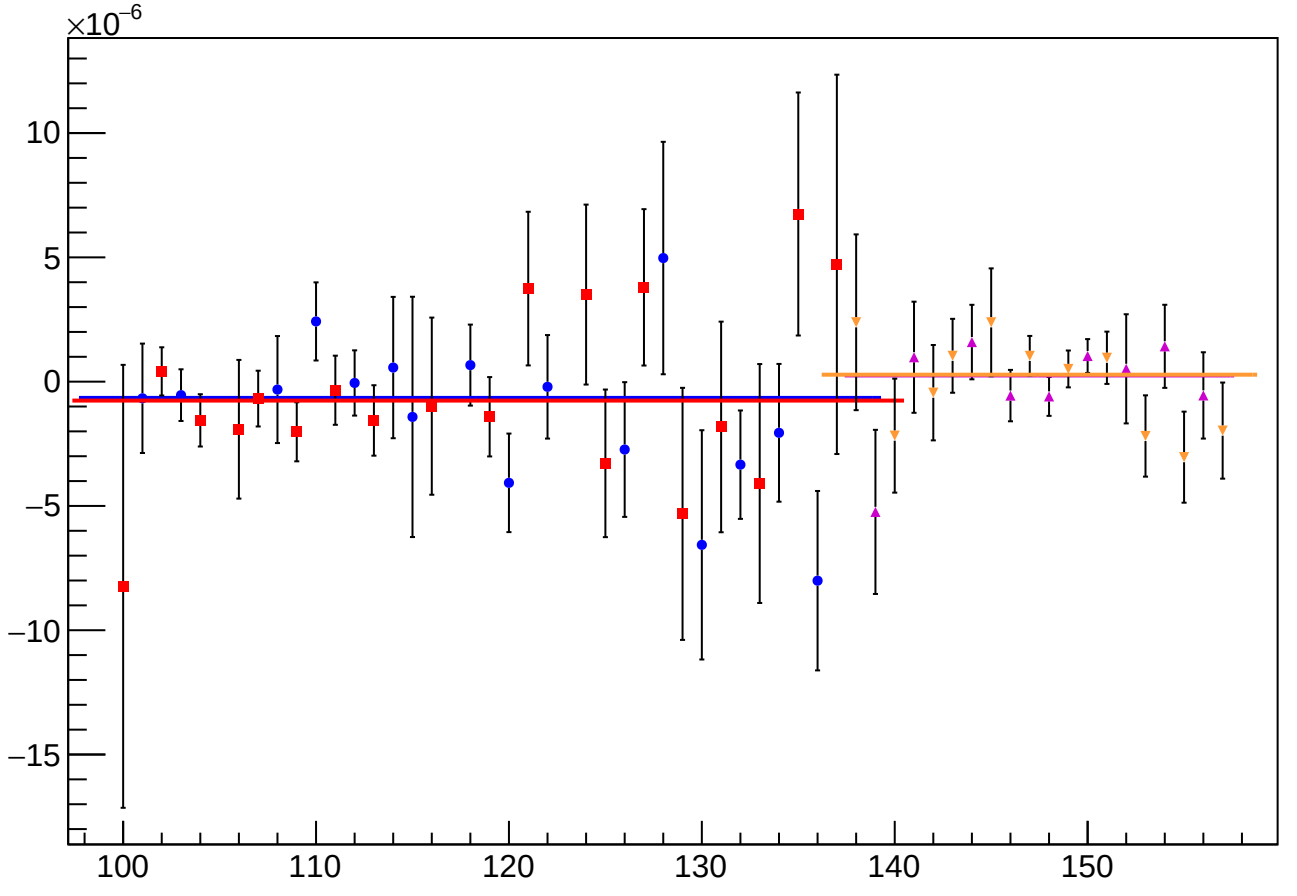
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.439+/-0.007 χ^2/NDF:62085.6/8

+ sign 25.469+/-0.005 χ^2/NDF: 2271817.8/26

All: 25.444+/-0.003 χ^2/NDF: 3571067.2/54

- sign 25.419+/-0.005 χ^2/NDF: 1299196.4/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/10

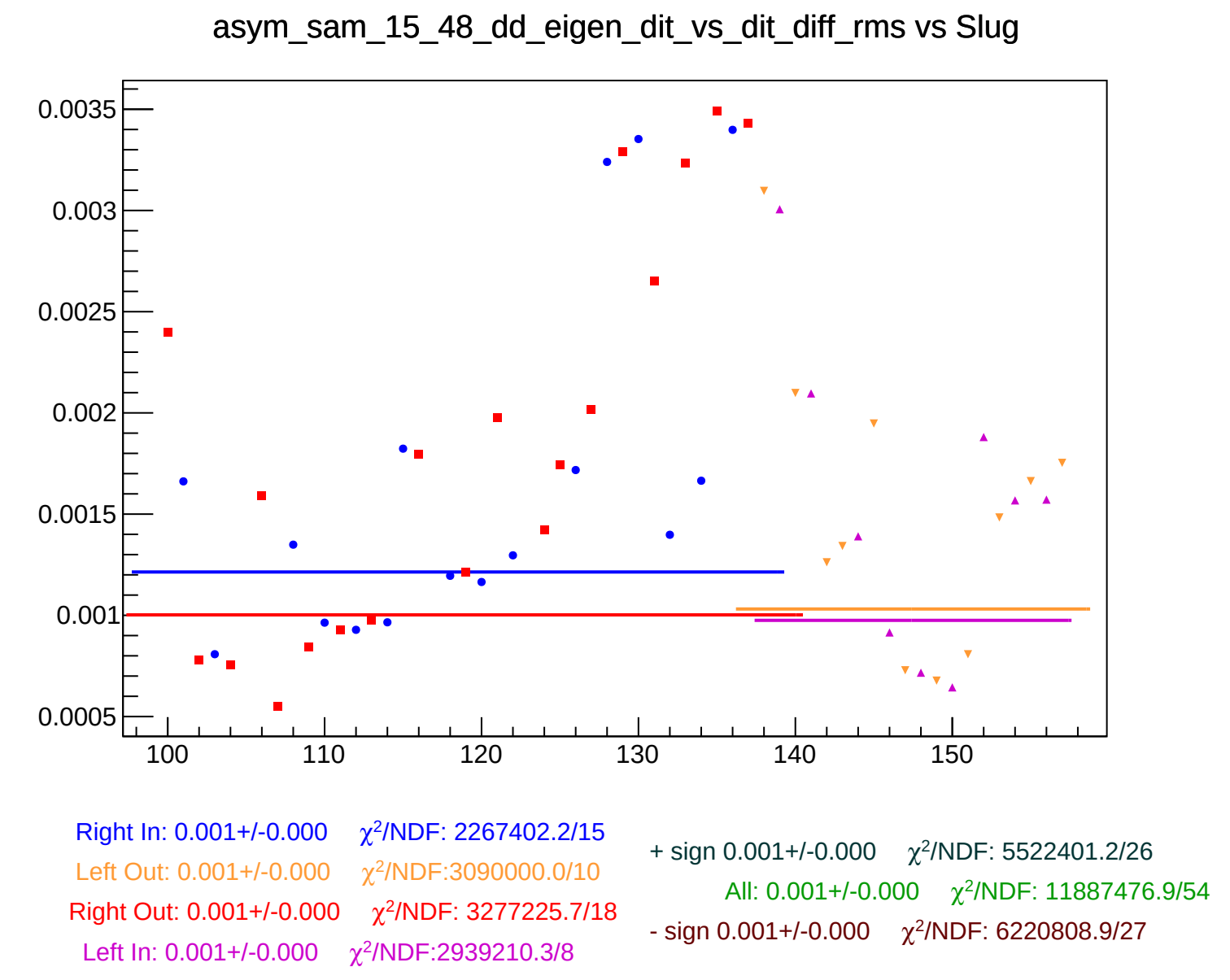
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

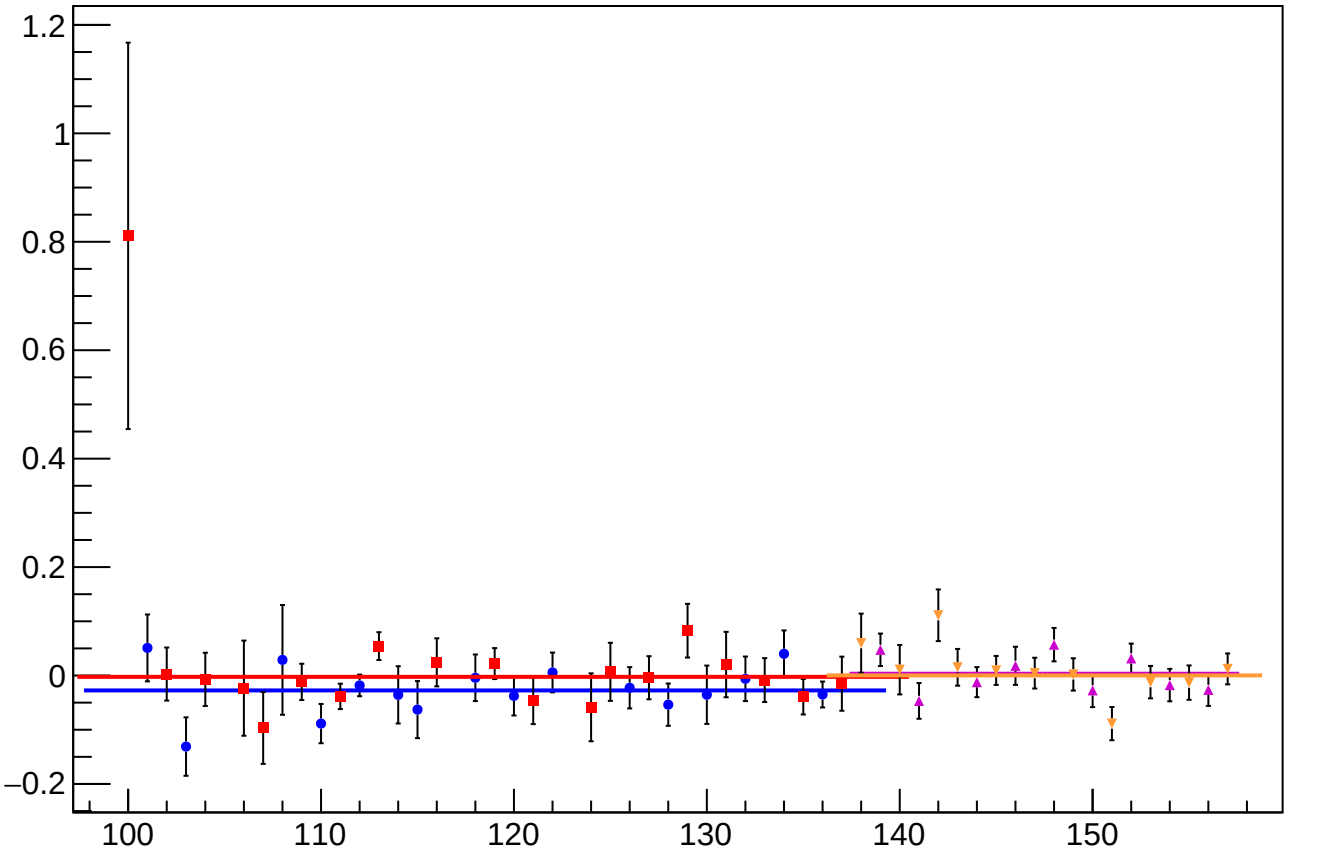
Left In: 0.000+/-0.000 χ^2/NDF:7.5/8

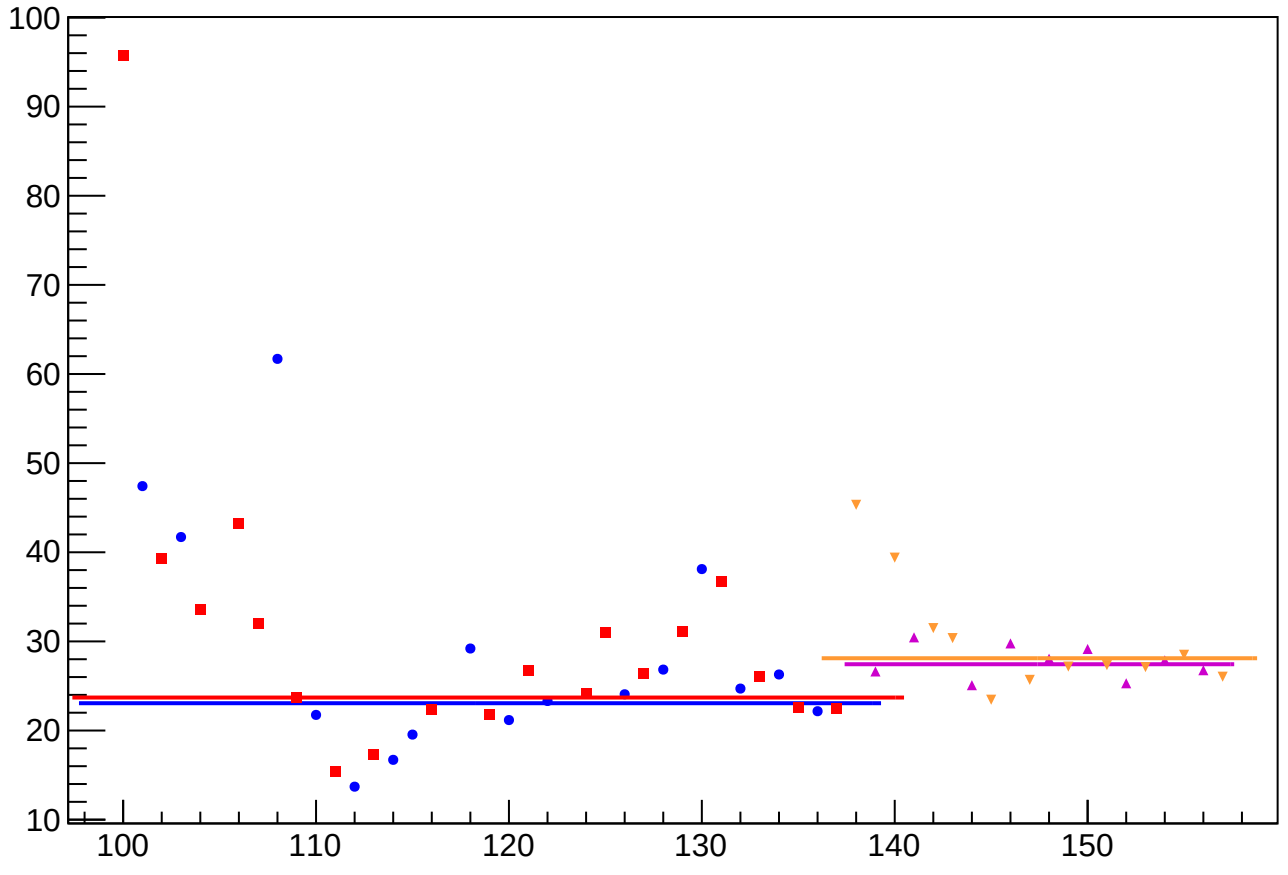
+ sign -0.000+/-0.000 χ^2/NDF: 30.9/26

All: -0.000+/-0.000 χ^2/NDF: 56.7/54

- sign -0.000+/-0.000 χ^2/NDF: 25.7/27


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3090000.0/10
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:2939210.3/8
+ sign 0.001+/-0.000 χ²/NDF: 5522401.2/26
All: 0.001+/-0.000 χ²/NDF: 11887476.9/54
- sign 0.001+/-0.000 χ²/NDF: 6220808.9/27


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.027+/-0.009 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.010 χ²/NDF:16.0/10
Right Out: -0.002+/-0.009 χ²/NDF: 22.1/18
Left In: 0.003+/-0.010 χ²/NDF:11.6/8
+ sign -0.014+/-0.007 χ²/NDF: 33.8/26
All: -0.007+/-0.005 χ²/NDF: 69.9/54
- sign 0.000+/-0.007 χ²/NDF: 33.8/27



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

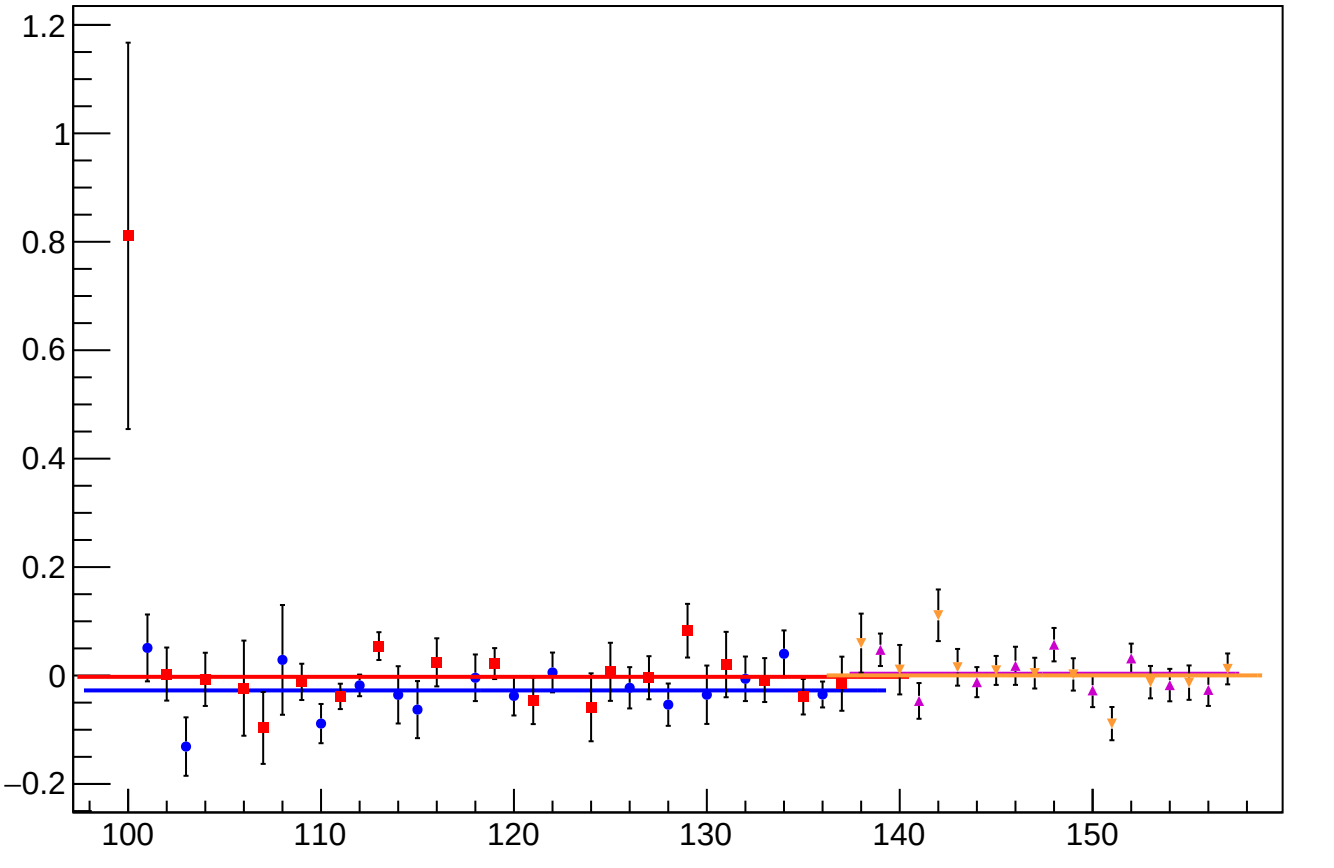
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.439+/-0.007 χ^2/NDF:62076.3/8

+ sign 25.469+/-0.005 χ^2/NDF: 2271851.5/26

All: 25.444+/-0.003 χ^2/NDF: 3571165.4/54

- sign 25.419+/-0.005 χ^2/NDF: 1299260.7/27



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.010 χ^2/NDF:16.0/10

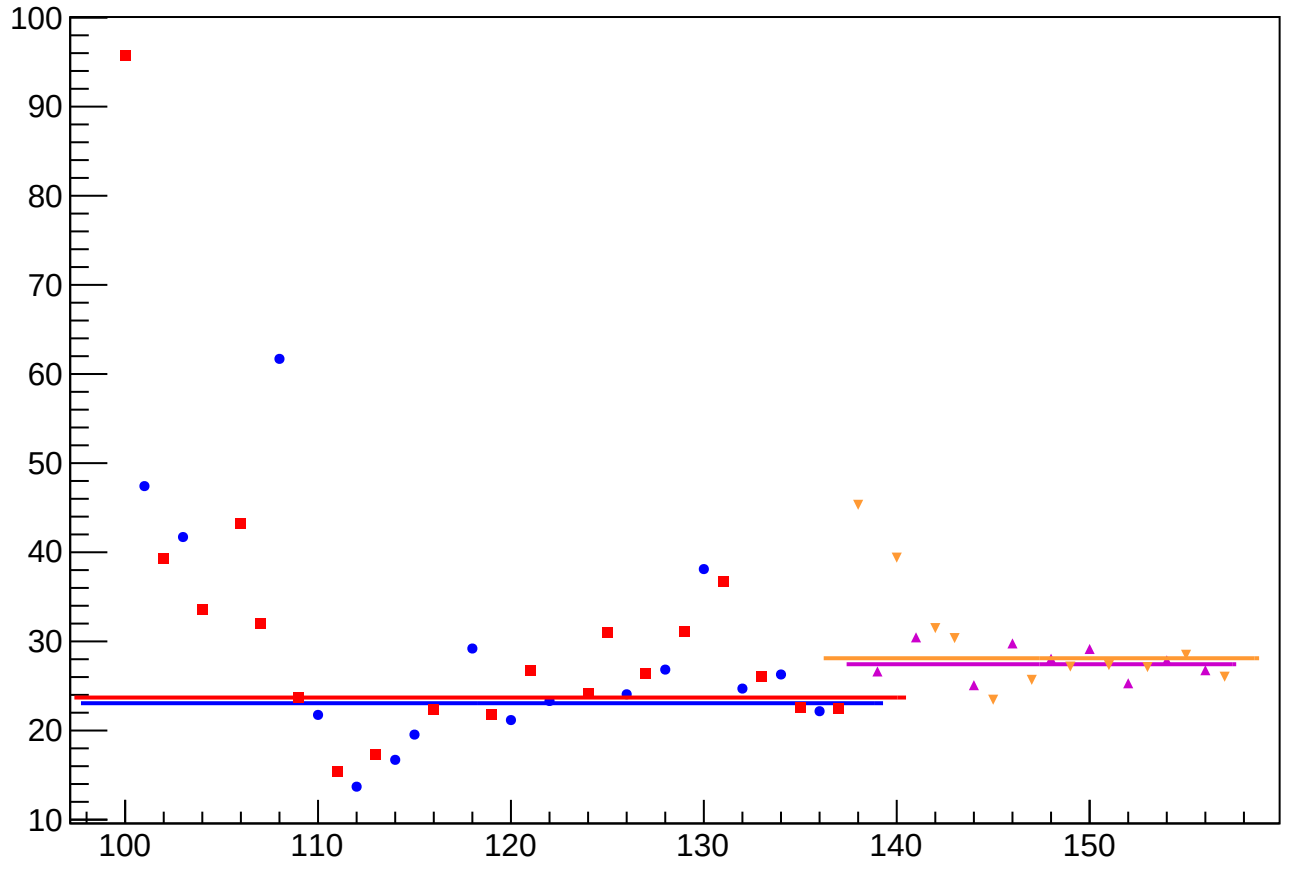
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.003+/-0.010 χ^2/NDF:11.6/8

+ sign -0.014+/-0.007 χ^2/NDF: 33.8/26

All: -0.007+/-0.005 χ^2/NDF: 69.9/54

- sign 0.000+/-0.007 χ^2/NDF: 33.8/27



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.111+/-0.007 χ^2/NDF:432509.8/10

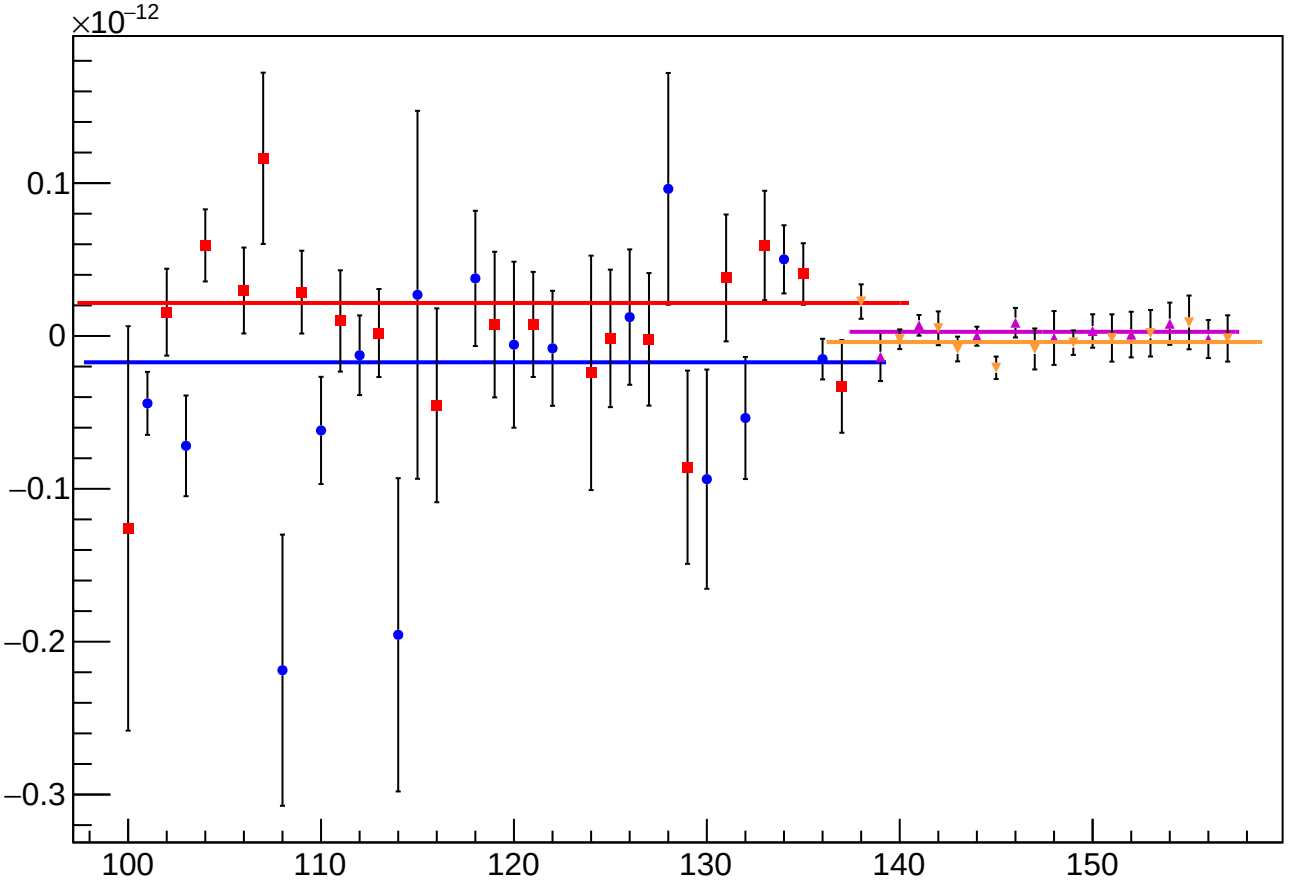
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.439+/-0.007 χ^2/NDF:62076.3/8

+ sign 25.469+/-0.005 χ^2/NDF: 2271851.5/26

All: 25.444+/-0.003 χ^2/NDF: 3571165.4/54

- sign 25.419+/-0.005 χ^2/NDF: 1299260.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/10

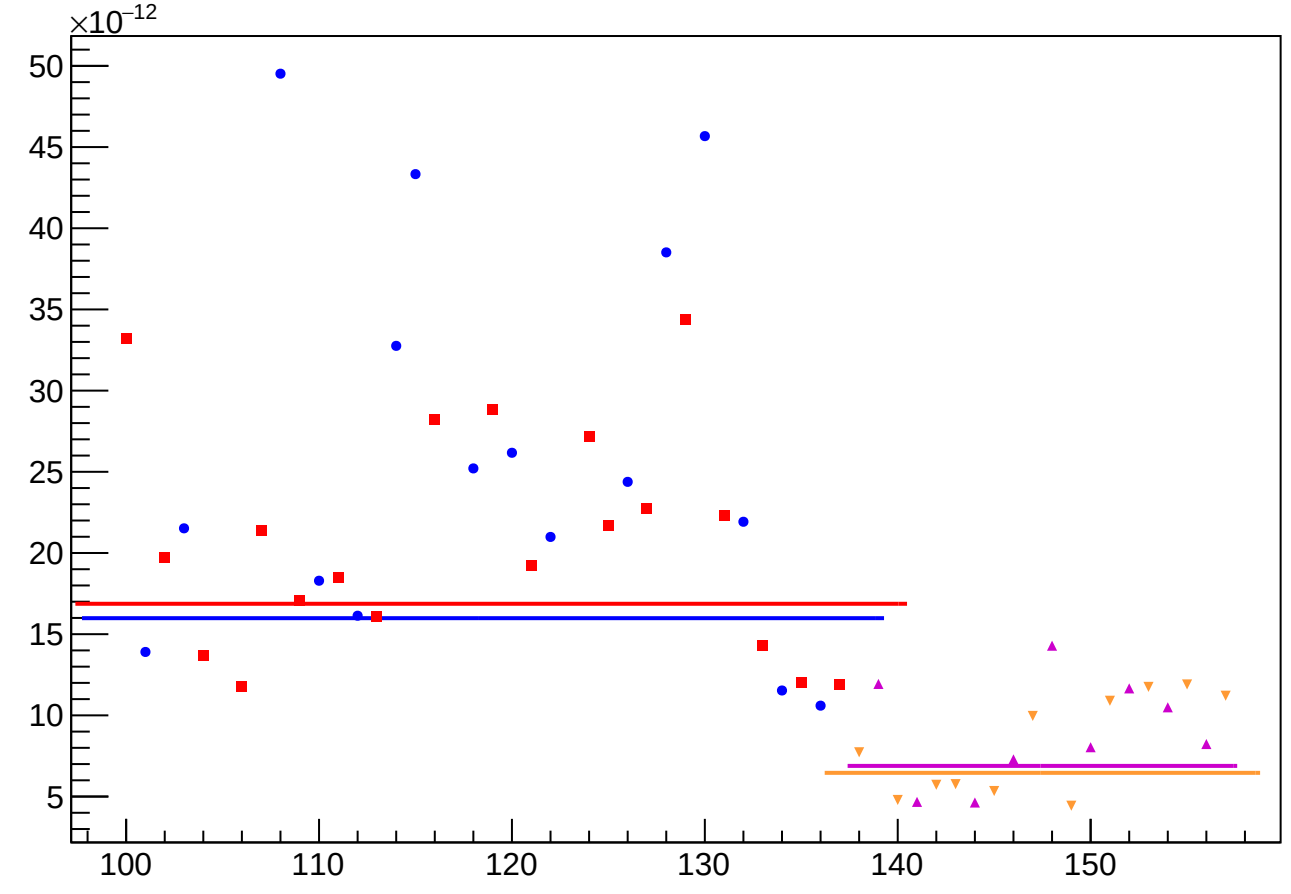
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/8

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/26

All: -0.000+/-0.000 χ^2/NDF: 77.7/54

- sign 0.000+/-0.000 χ^2/NDF: 25.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288210.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

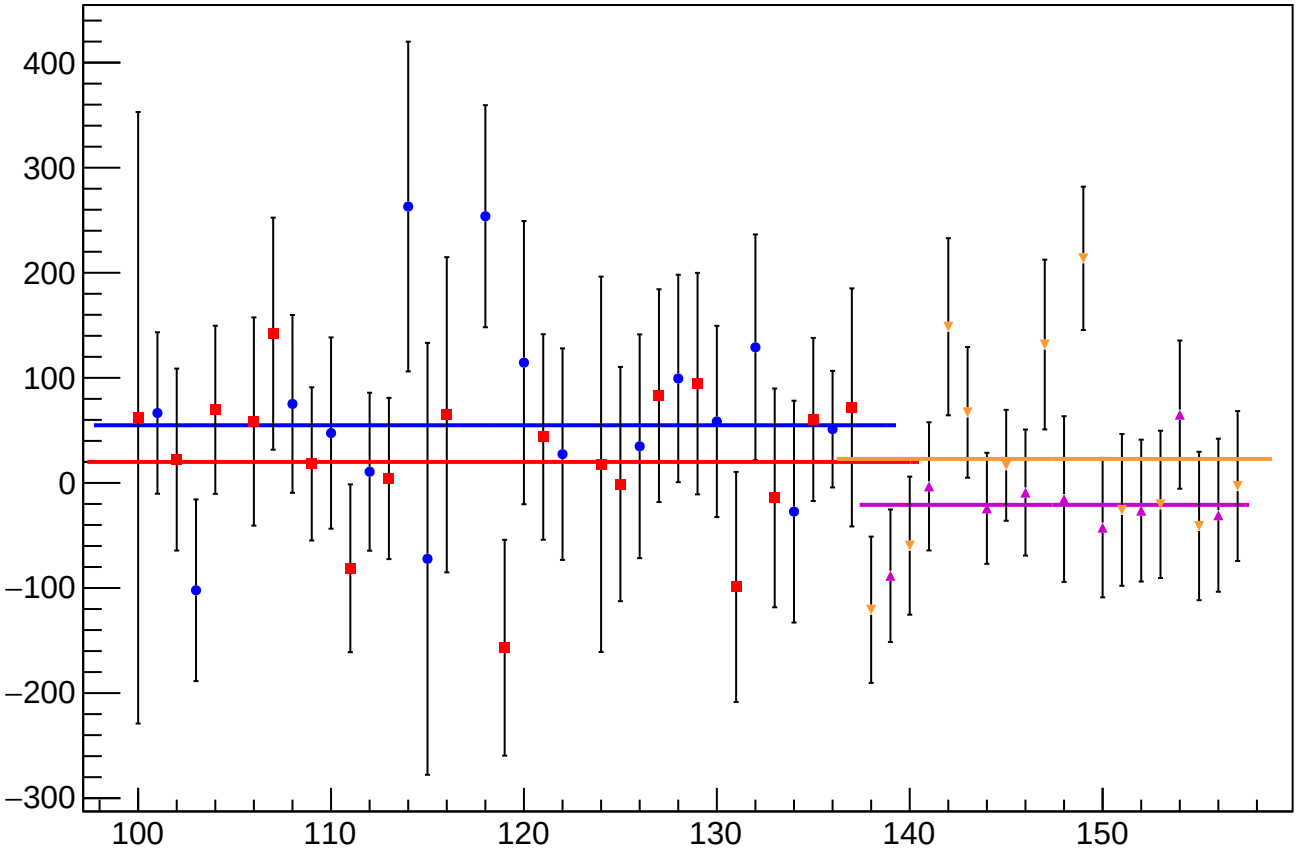
Left In: 0.000+/-0.000 χ^2/NDF:1422963.2/8

+ sign 0.000+/-0.000 χ^2/NDF: 5671154.1/26

All: 0.000+/-0.000 χ^2/NDF: 10702984.6/54

- sign 0.000+/-0.000 χ^2/NDF: 4975265.5/27

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.849+/-20.595 χ^2/NDF:20.0/10

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

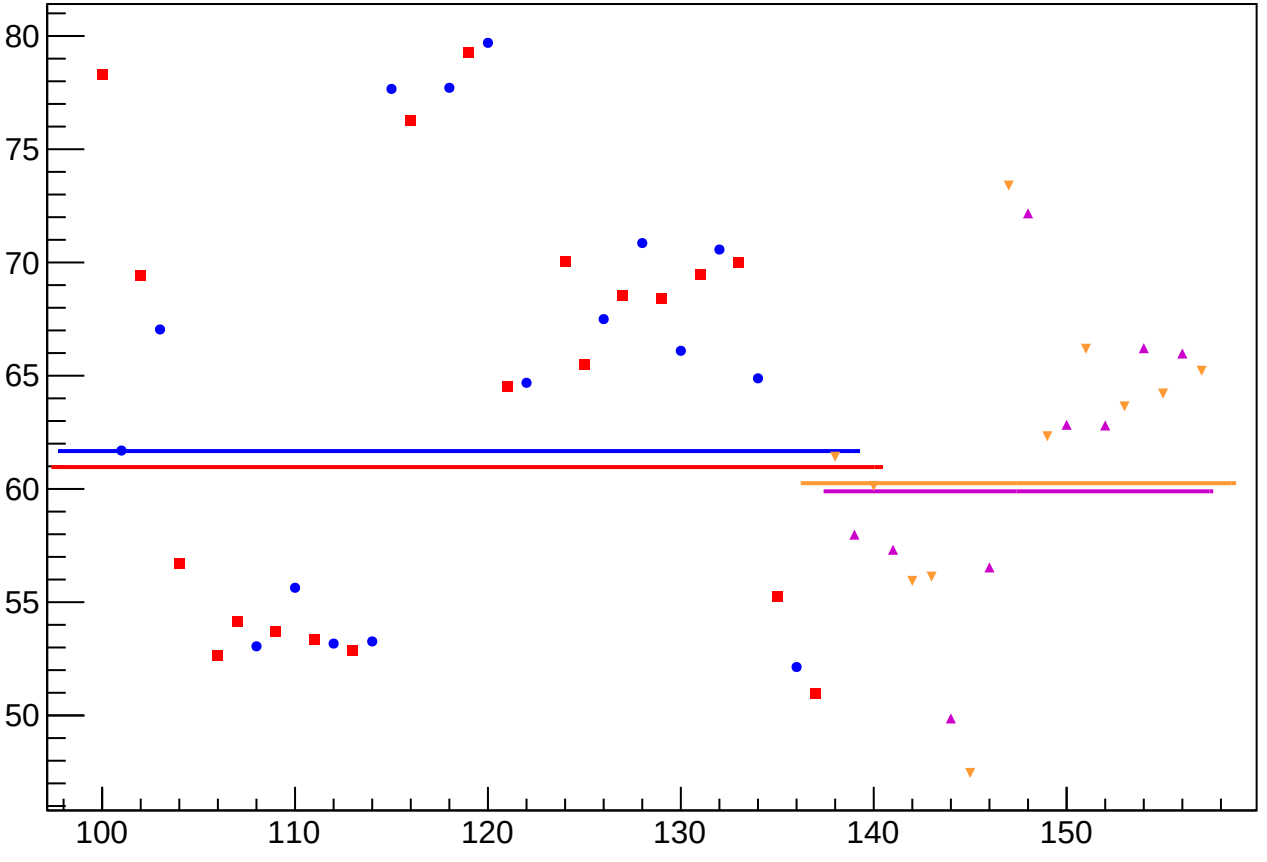
Left In: -20.862+/-21.550 χ^2/NDF:2.9/8

+ sign 36.982+/-15.396 χ^2/NDF: 32.1/26

All: 18.044+/-10.953 χ^2/NDF: 49.0/54

- sign -1.367+/-15.587 χ^2/NDF: 13.8/27

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

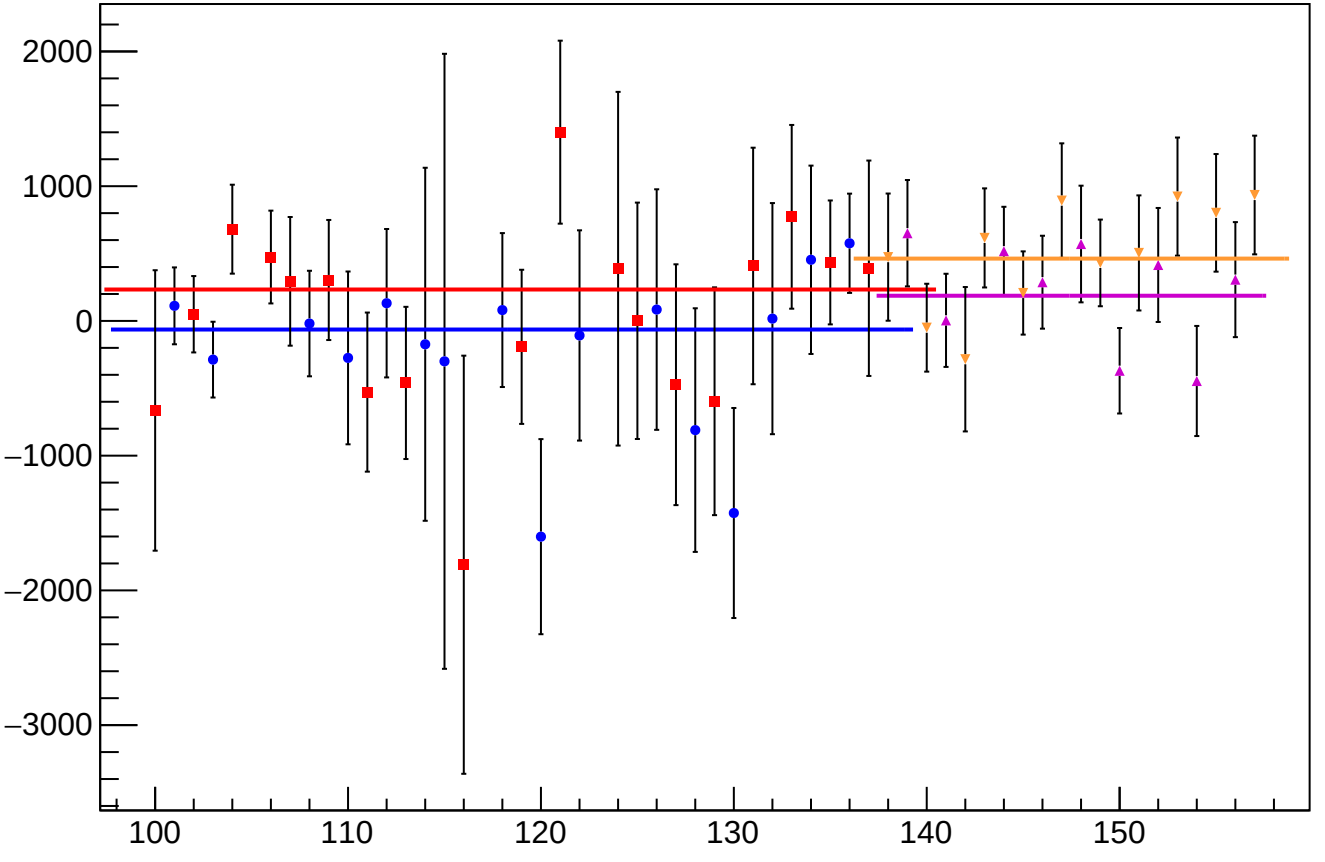
Left In: 59.896+/-0.015 χ^2/NDF:169840.8/8

+ sign 60.881+/-0.011 χ^2/NDF: 492406.7/26

All: 60.646+/-0.008 χ^2/NDF: 949722.7/54

- sign 60.406+/-0.011 χ^2/NDF: 456378.8/27

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 462.588+/-118.231 χ^2/NDF:9.2/10

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

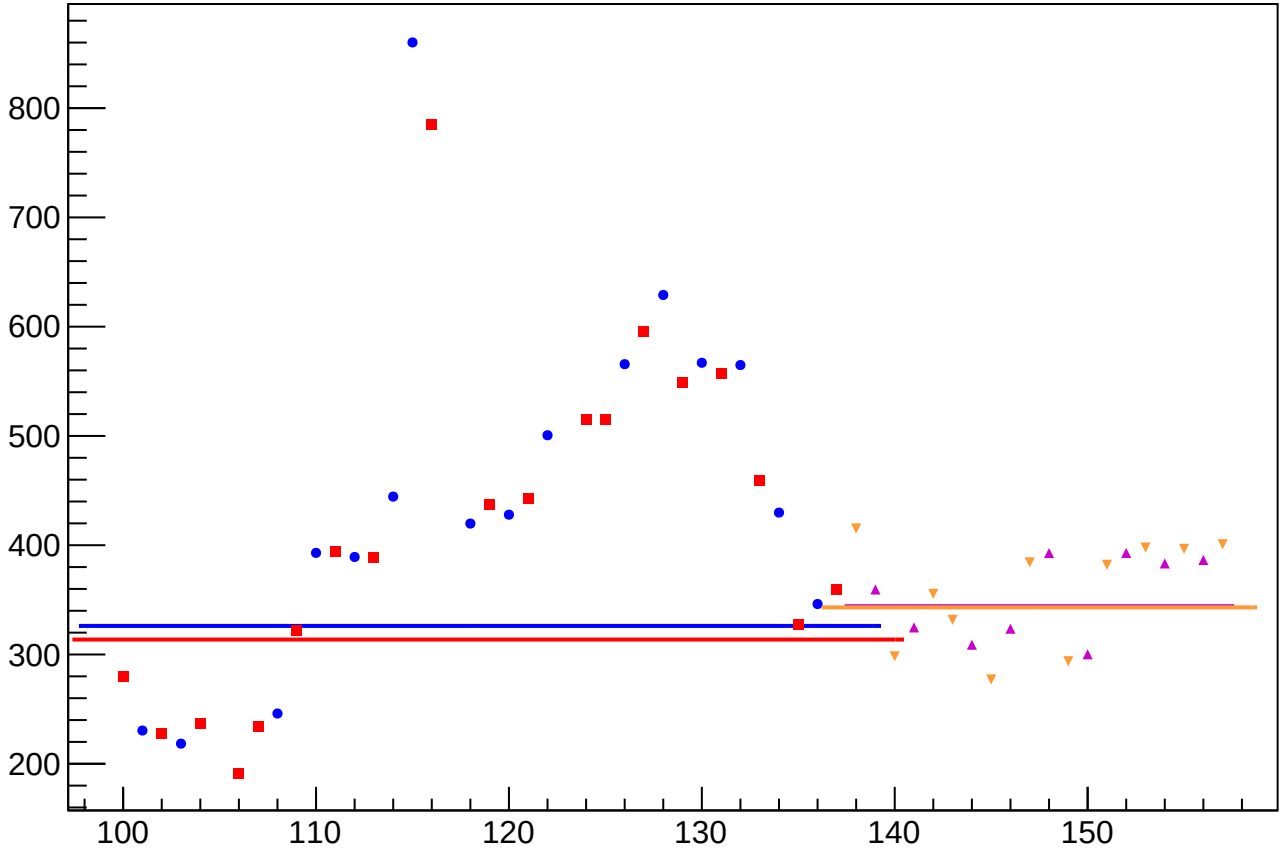
Left In: 186.965+/-124.286 χ^2/NDF:9.4/8

+ sign 223.624+/-87.368 χ^2/NDF: 31.4/26

All: 216.993+/-61.772 χ^2/NDF: 55.3/54

- sign 210.365+/-87.350 χ^2/NDF: 24.0/27

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 343.109+/-0.084 χ^2/NDF:356766.7/10

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

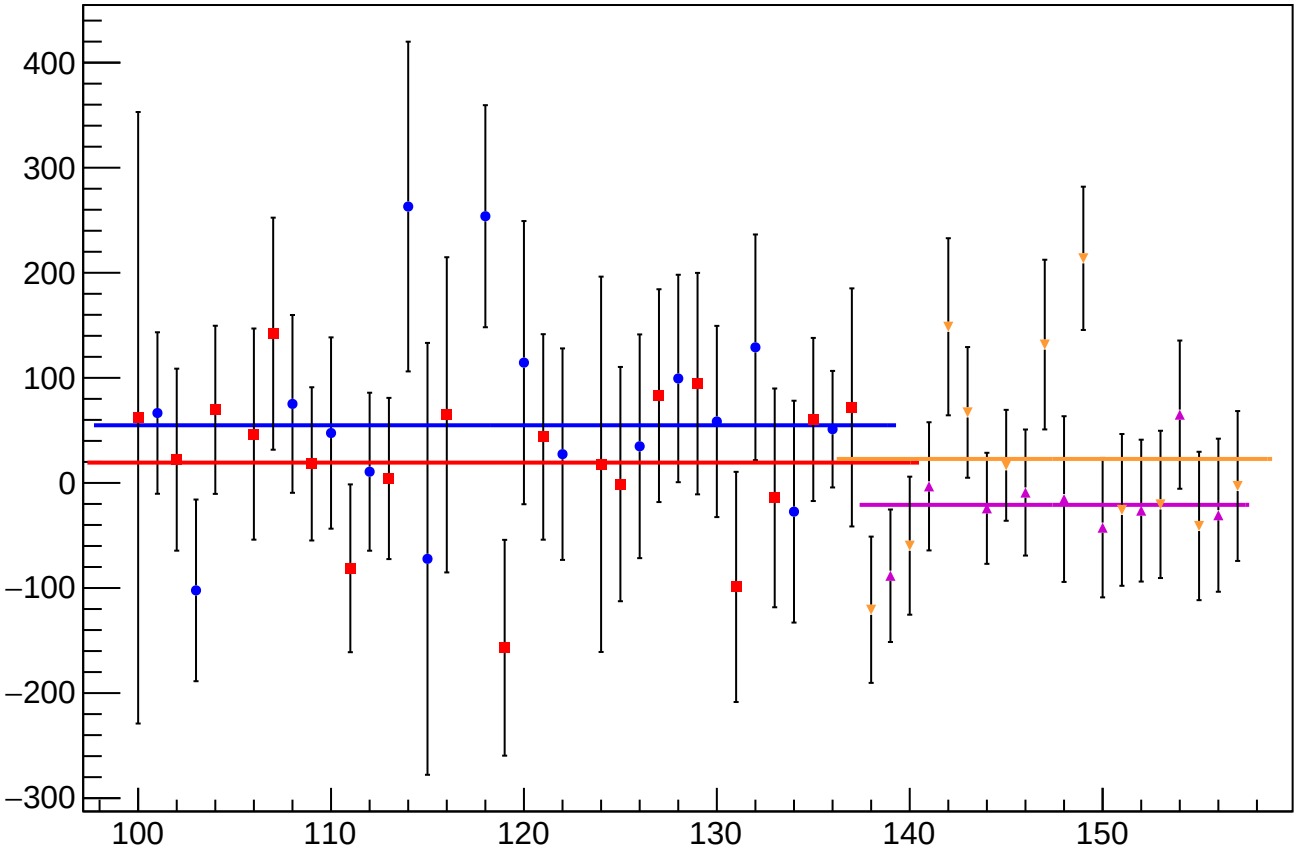
Left In: 344.198+/-0.088 χ^2/NDF:167622.6/8

+ sign 335.410+/-0.062 χ^2/NDF: 2109448.2/26

All: 332.079+/-0.044 χ^2/NDF: 4131284.3/54

- sign 328.750+/-0.062 χ^2/NDF: 2016025.4/27

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

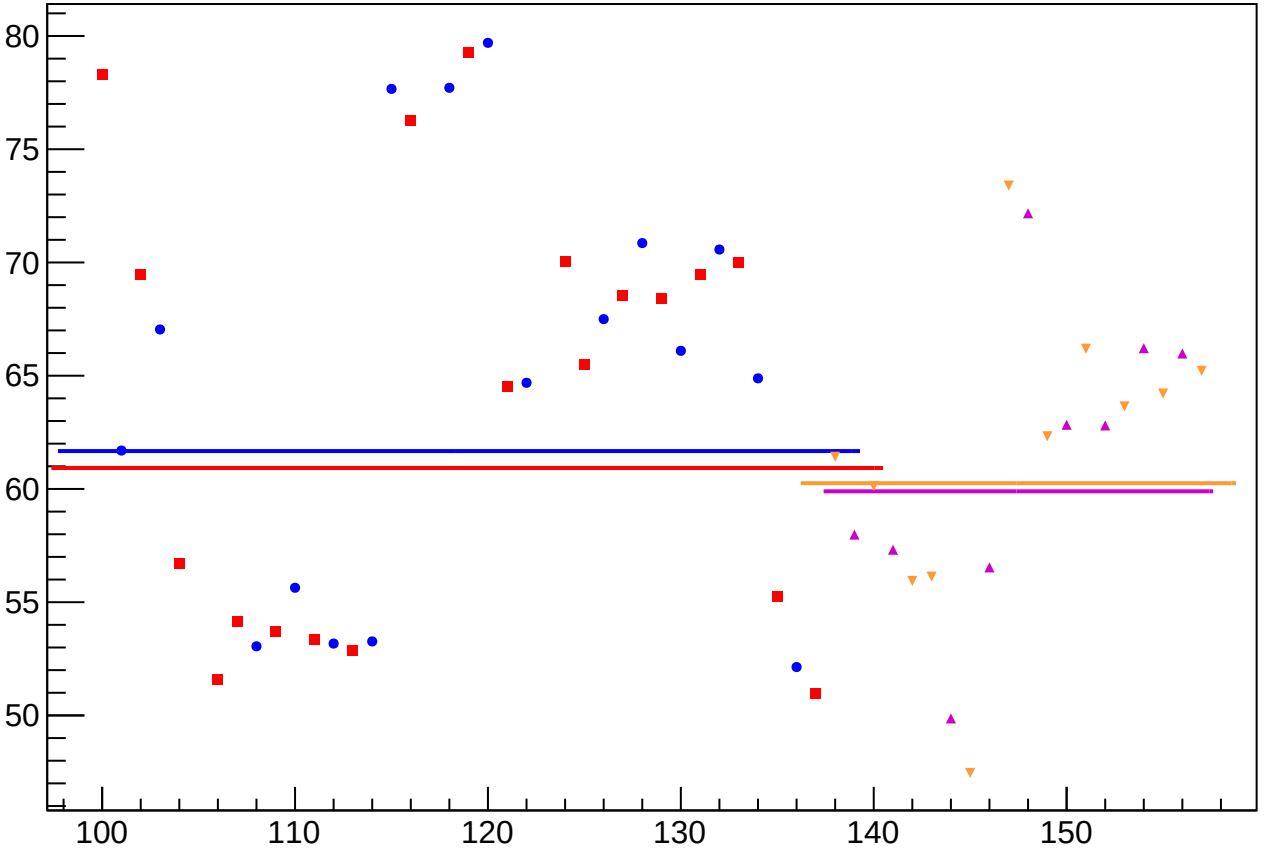
Left In: -20.861+/-21.550 χ^2/NDF:2.9/8

+ sign 36.978+/-15.396 χ^2/NDF: 32.1/26

All: 17.885+/-10.955 χ^2/NDF: 48.9/54

- sign -1.699+/-15.592 χ^2/NDF: 13.7/27

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

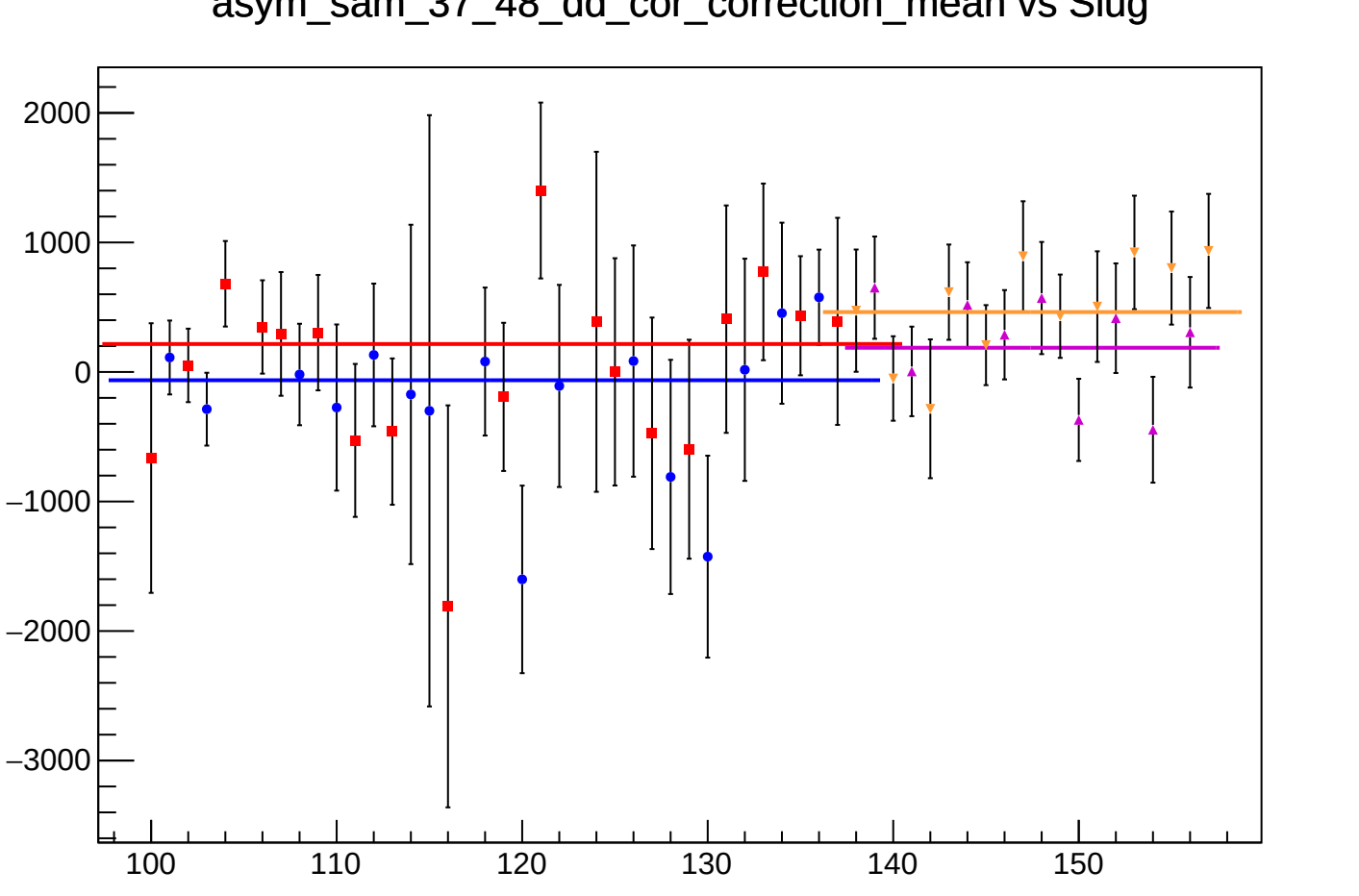
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.896+/-0.015 χ^2/NDF:169840.8/8

+ sign 60.881+/-0.011 χ^2/NDF: 492406.9/26

All: 60.637+/-0.008 χ^2/NDF: 953021.2/54

- sign 60.387+/-0.011 χ^2/NDF: 459597.3/27



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 462.589+/-118.231 χ^2/NDF:9.2/10

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

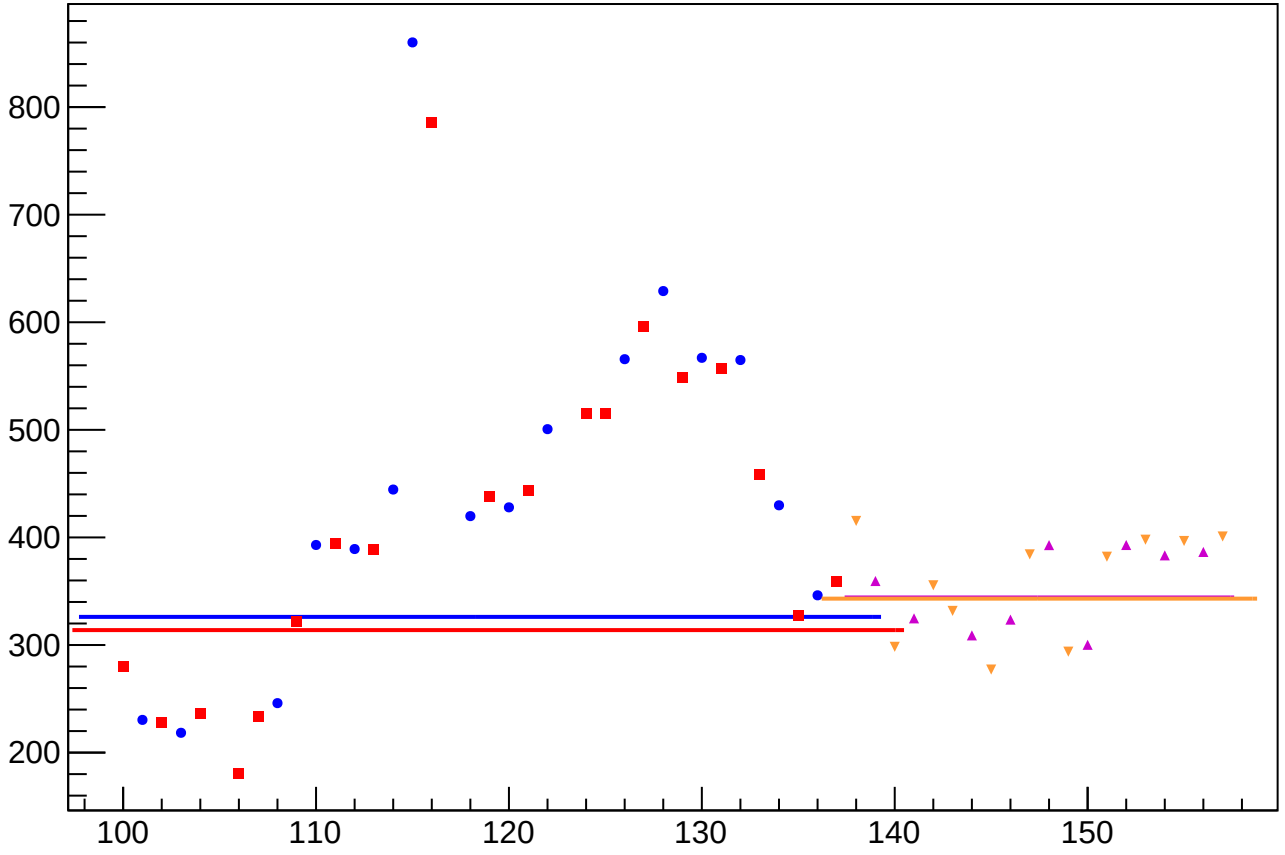
Left In: 186.963+/-124.286 χ^2/NDF:9.4/8

+ sign 223.633+/-87.368 χ^2/NDF: 31.4/26

All: 212.611+/-61.861 χ^2/NDF: 54.9/54

- sign 201.530+/-87.601 χ^2/NDF: 23.5/27

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 343.109+/-0.084 χ^2/NDF:356767.0/10

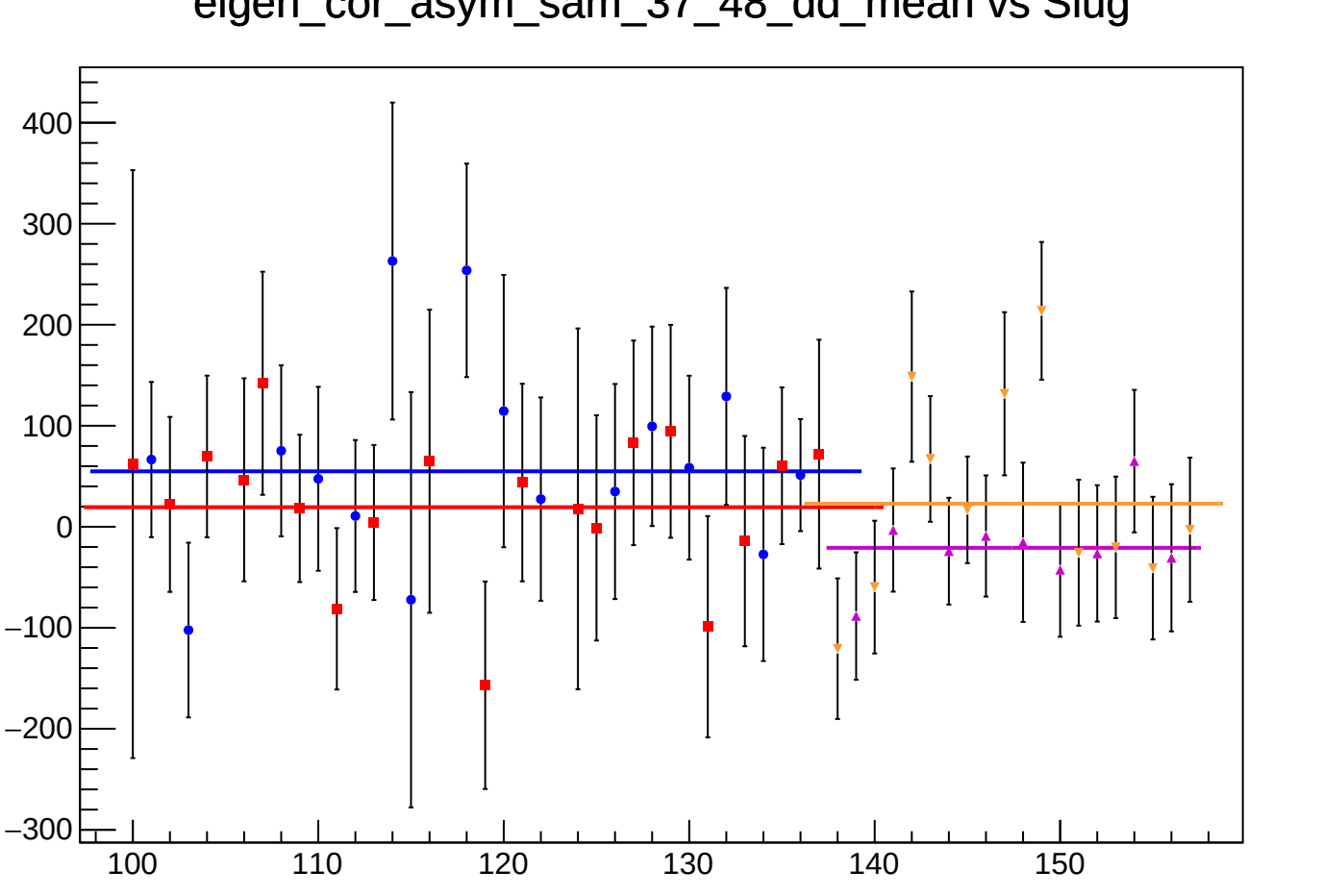
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 344.198+/-0.088 χ^2/NDF:167620.6/8

+ sign 335.411+/-0.062 χ^2/NDF: 2109381.3/26

All: 332.180+/-0.044 χ^2/NDF: 4148229.8/54

- sign 328.932+/-0.062 χ^2/NDF: 2033364.4/27



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 22.847+/-20.595 χ^2/NDF:20.0/10

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

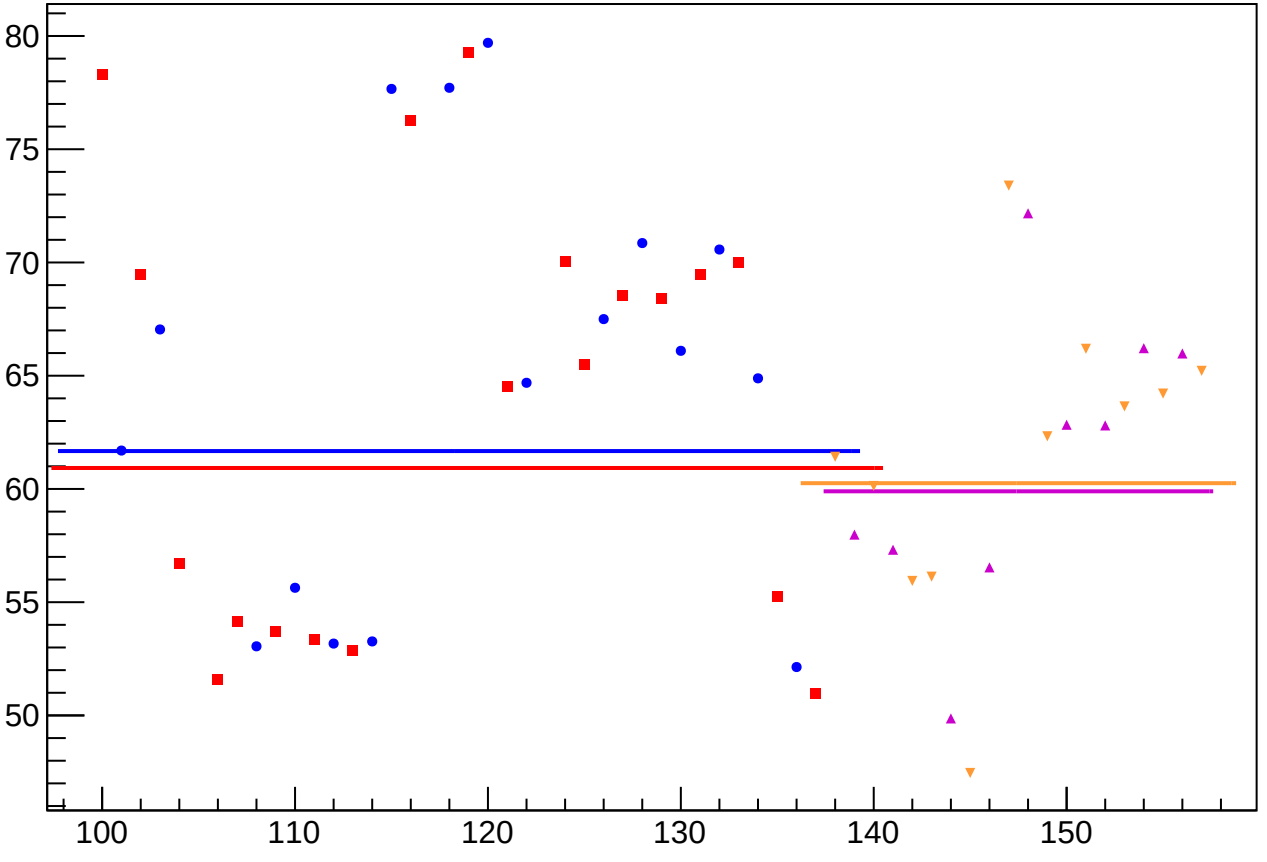
Left In: -20.861+/-21.550 χ^2/NDF:2.9/8

+ sign 36.978+/-15.396 χ^2/NDF: 32.1/26

All: 17.885+/-10.955 χ^2/NDF: 48.9/54

- sign -1.699+/-15.592 χ^2/NDF: 13.7/27

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 60.255+/-0.015 χ^2/NDF:221117.0/10

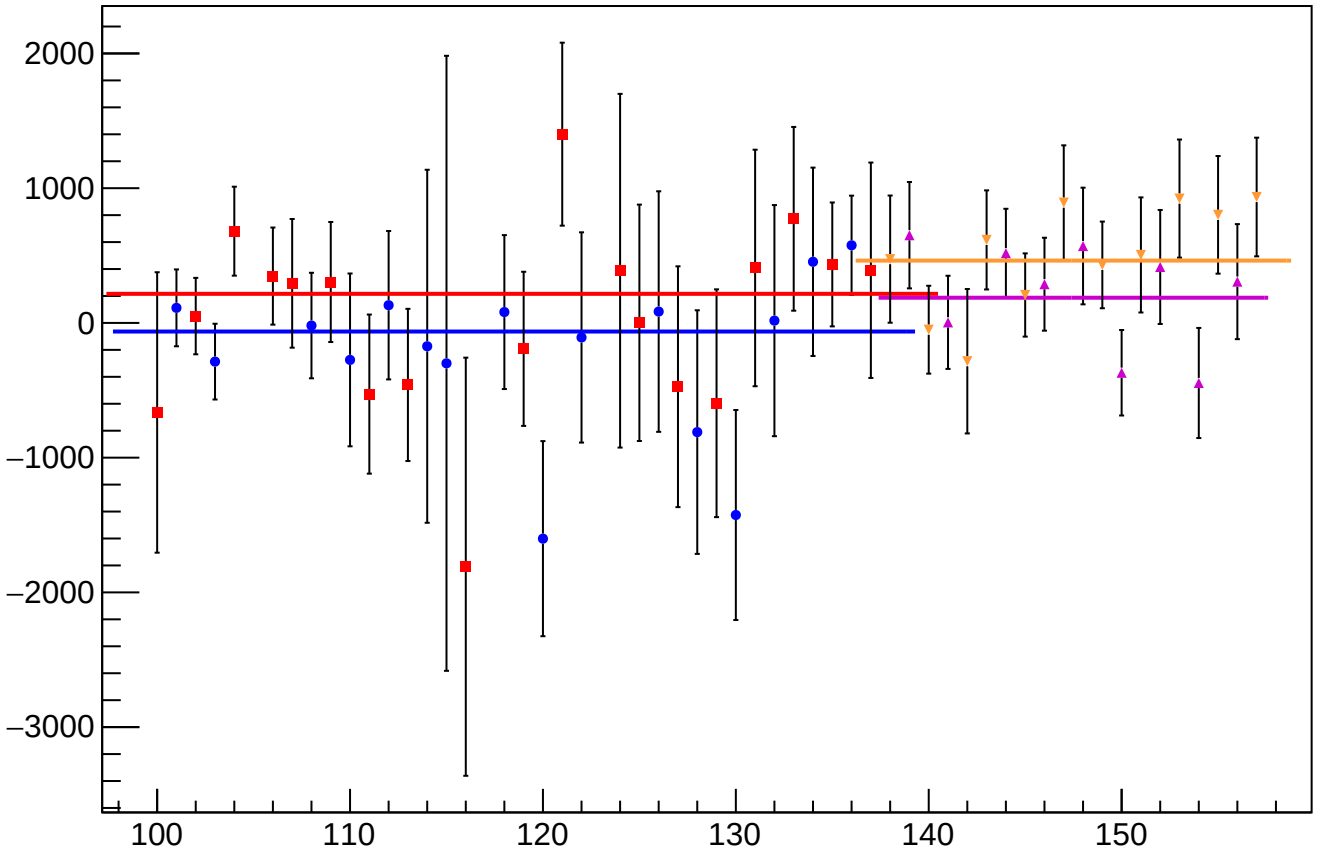
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.896+/-0.015 χ^2/NDF:169840.8/8

+ sign 60.881+/-0.011 χ^2/NDF: 492406.9/26

All: 60.637+/-0.008 χ^2/NDF: 953021.2/54

- sign 60.387+/-0.011 χ^2/NDF: 459597.3/27



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 462.589+/-118.231 χ^2/NDF:9.2/10

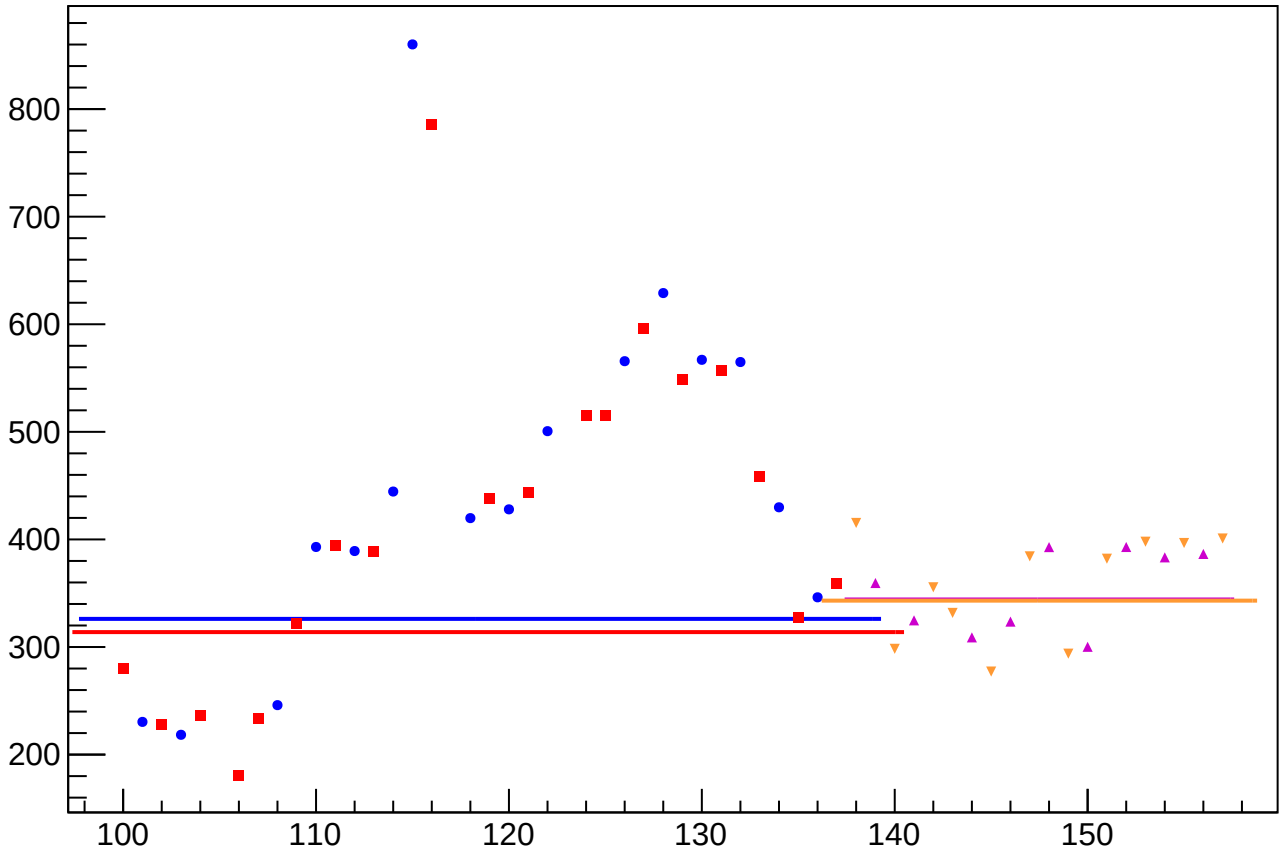
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 186.963+/-124.286 χ^2/NDF:9.4/8

\+ sign 223.633+/-87.368 χ^2/NDF: 31.4/26

All: 212.611+/-61.861 χ^2/NDF: 54.9/54

\- sign 201.530+/-87.601 χ^2/NDF: 23.5/27



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 343.109+/-0.084 χ^2/NDF:356767.0/10

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

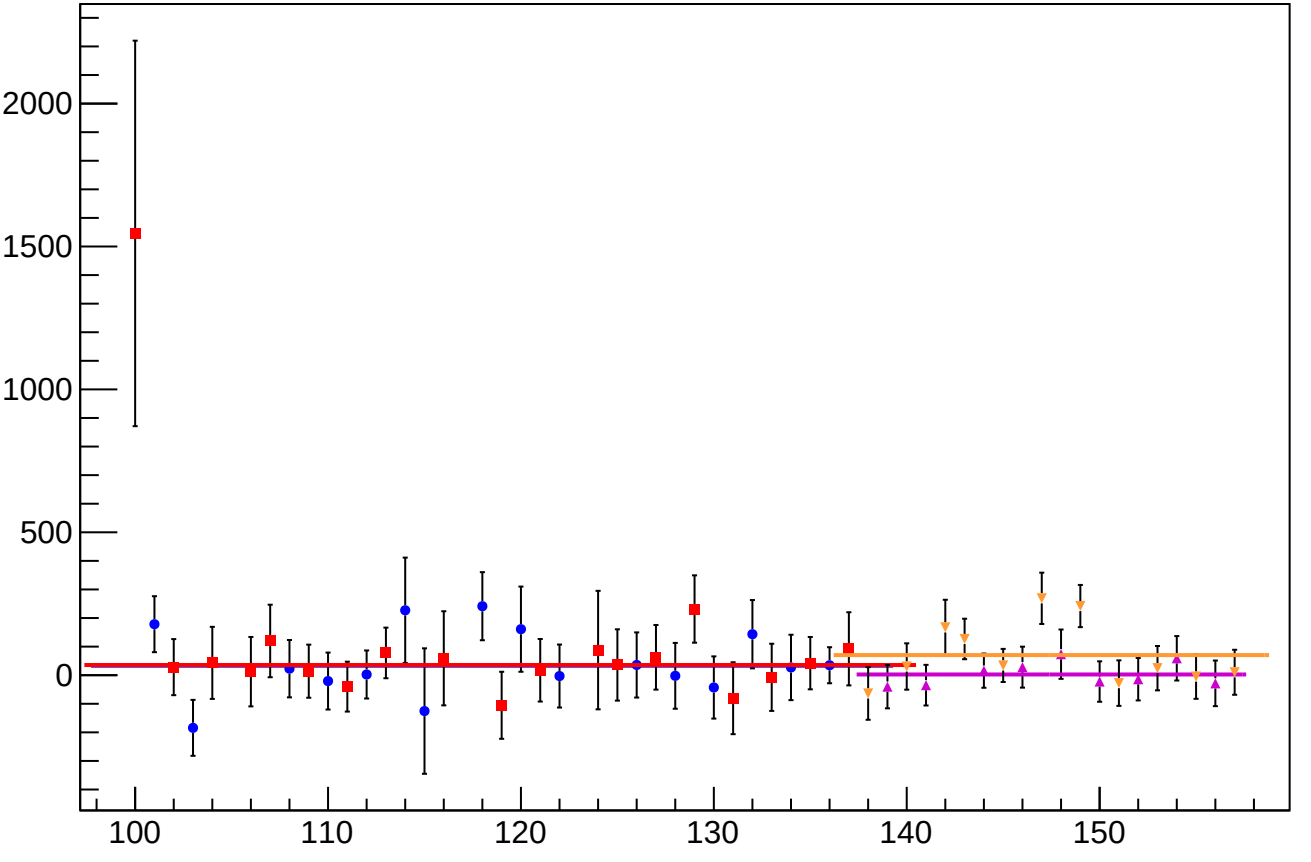
Left In: 344.198+/-0.088 χ^2/NDF:167620.6/8

+ sign 335.411+/-0.062 χ^2/NDF: 2109381.3/26

All: 332.180+/-0.044 χ^2/NDF: 4148229.8/54

- sign 328.932+/-0.062 χ^2/NDF: 2033364.4/27

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

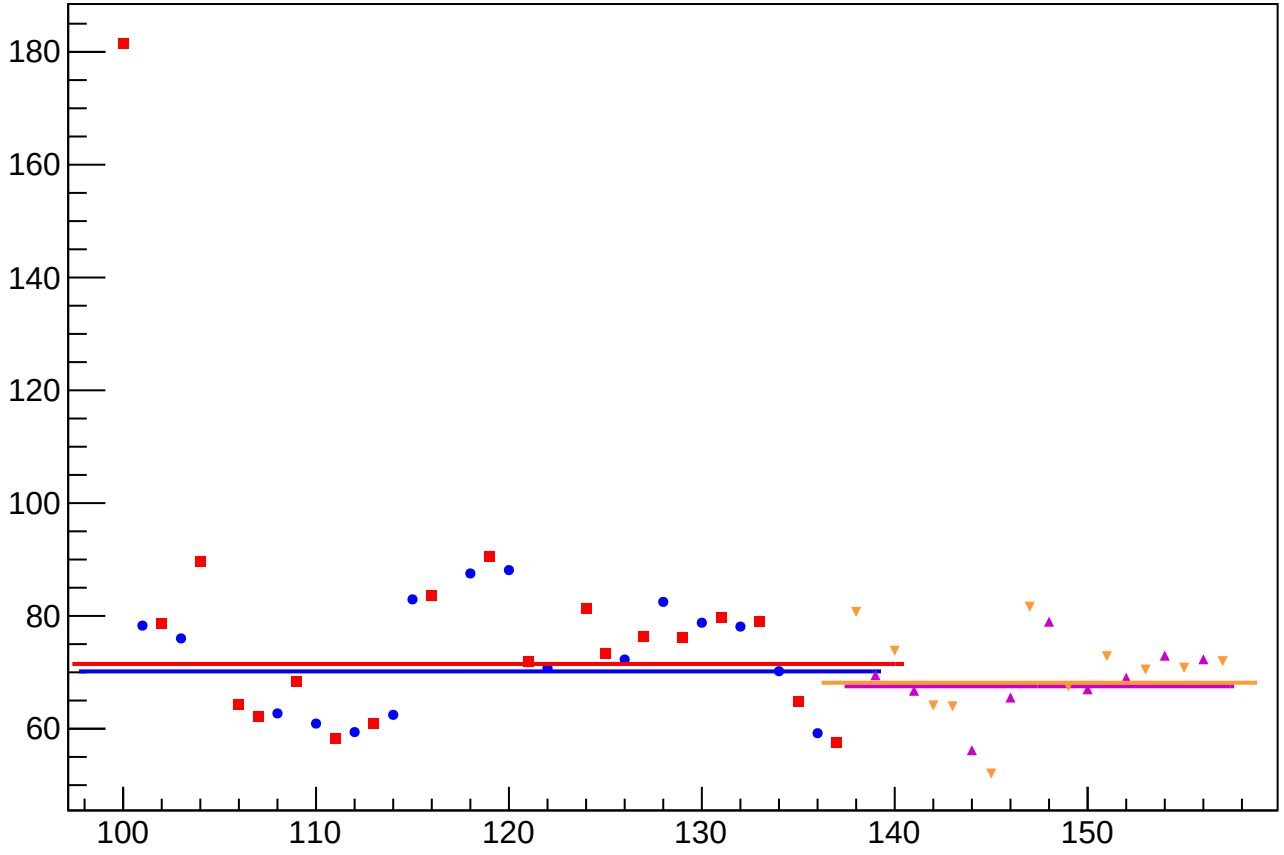
Left In: 2.519+/-24.374 χ^2/NDF:2.3/8

+ sign 54.116+/-17.501 χ^2/NDF: 33.7/26

All: 36.344+/-12.531 χ^2/NDF: 51.1/54

- sign 17.646+/-17.951 χ^2/NDF: 15.2/27

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.156+/-0.017 χ^2/NDF:273057.8/10

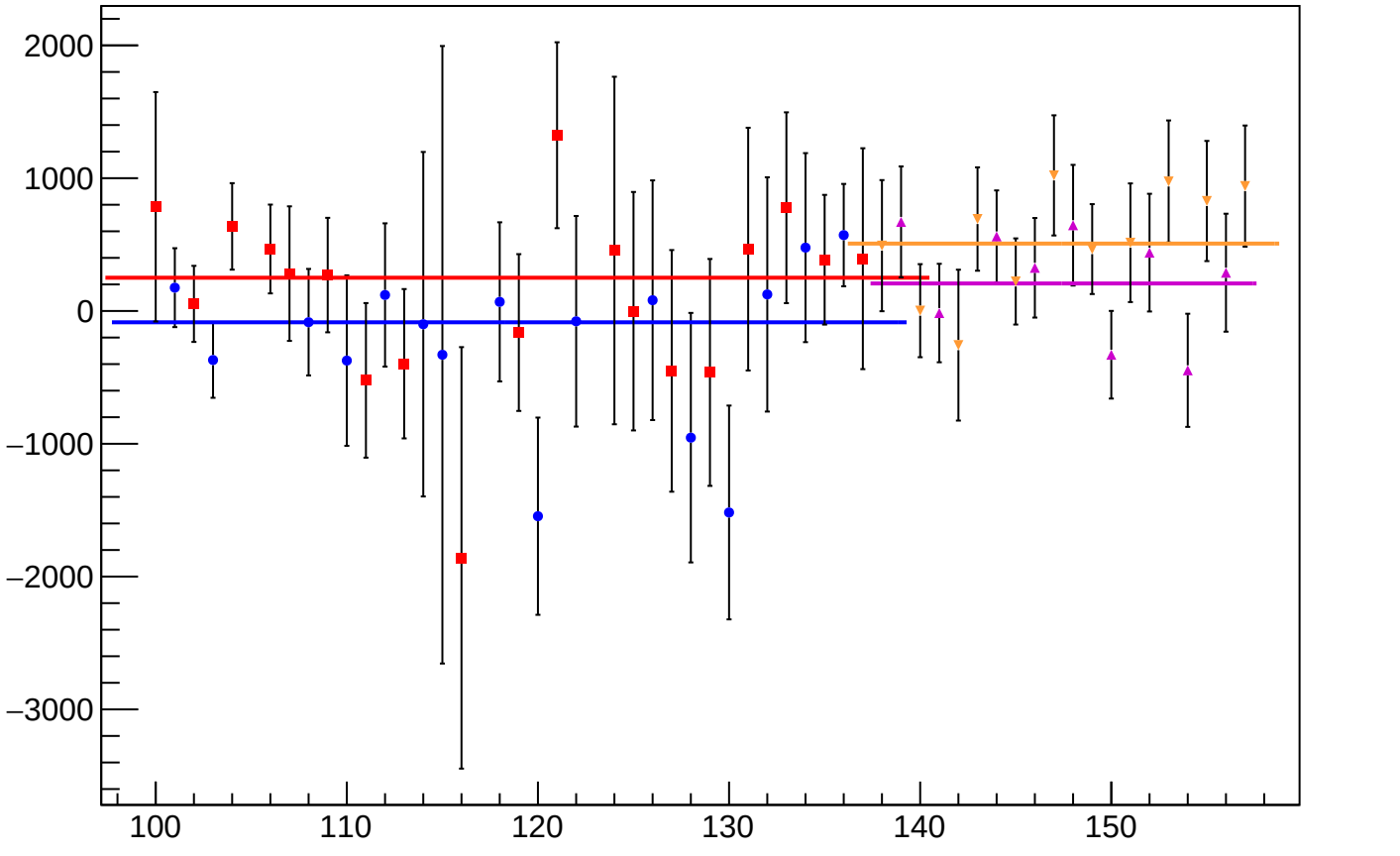
Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.528+/-0.017 χ^2/NDF:127889.6/8

+ sign 69.039+/-0.012 χ^2/NDF: 548814.7/26

All: 69.185+/-0.009 χ^2/NDF: 1026803.4/54

- sign 69.338+/-0.013 χ^2/NDF: 477704.2/27



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 507.521+/-124.517 χ^2/NDF:8.6/10

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

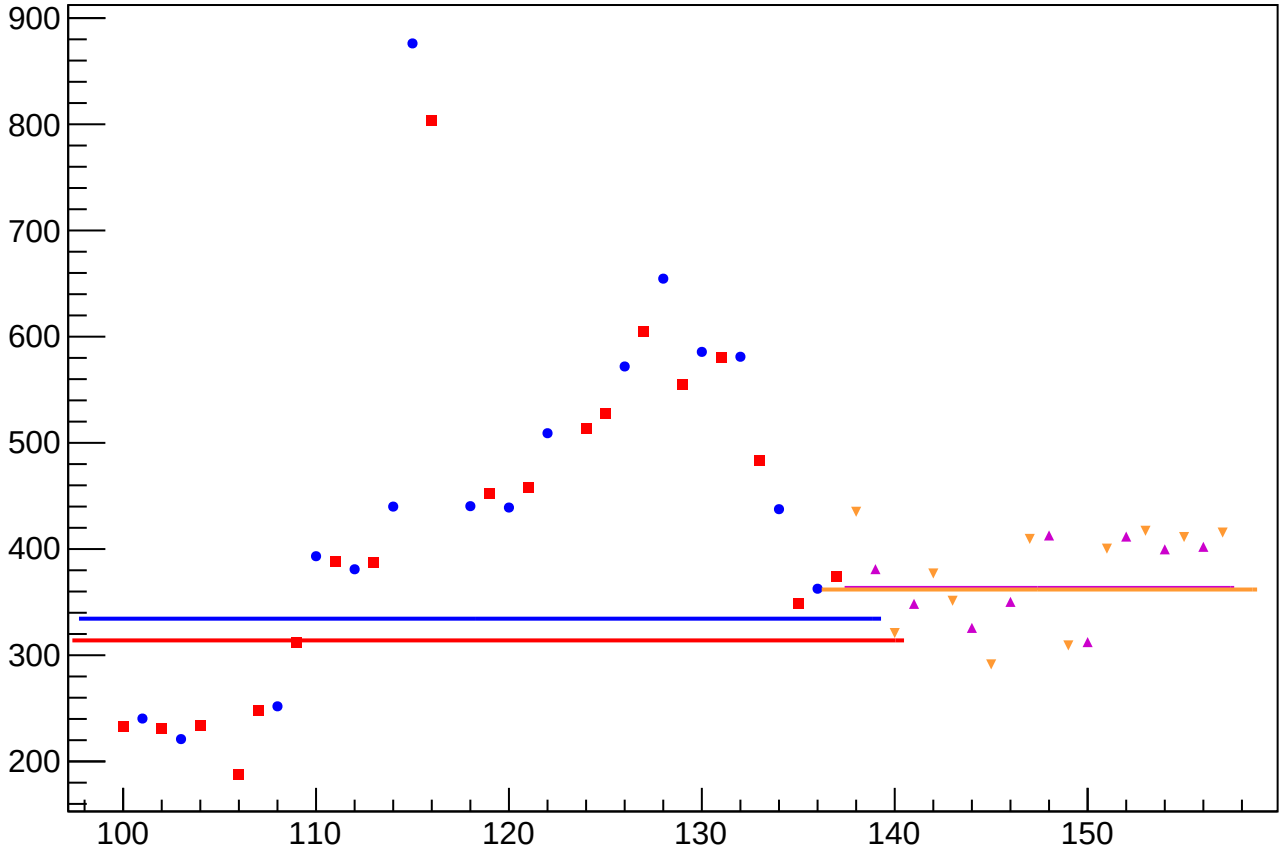
Left In: 207.242+/-131.165 χ^2/NDF:9.0/8

+ sign 230.399+/-90.859 χ^2/NDF: 32.9/26

All: 230.285+/-63.883 χ^2/NDF: 54.4/54

- sign 230.174+/-89.839 χ^2/NDF: 21.5/27

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 361.890+/-0.088 χ^2/NDF:334671.8/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

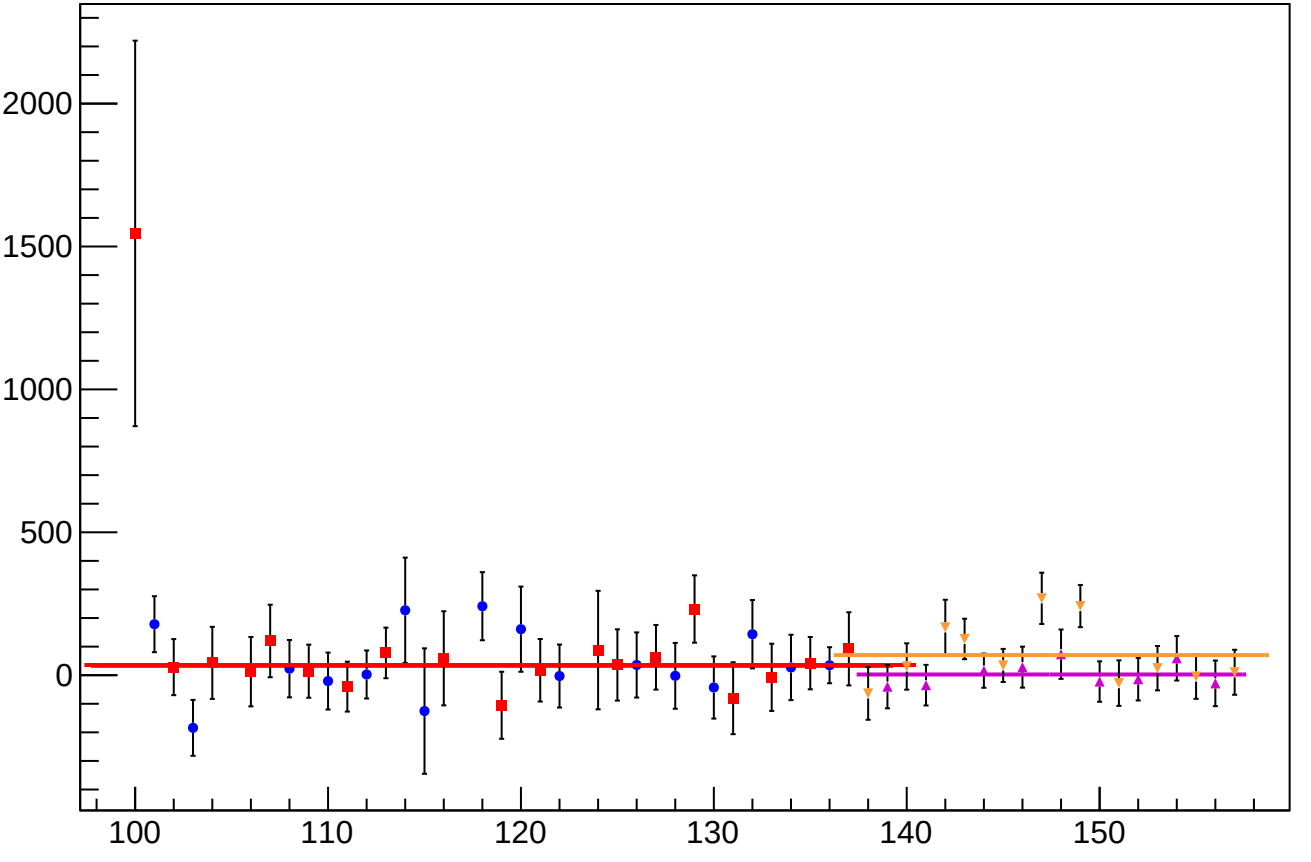
Left In: 363.390+/-0.093 χ^2/NDF:157849.9/8

+ sign 349.051+/-0.064 χ^2/NDF: 2110757.6/26

All: 343.036+/-0.045 χ^2/NDF: 4341268.6/54

- sign 337.155+/-0.064 χ^2/NDF: 2213173.7/27

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 70.325+/-23.364 χ^2/NDF:18.1/10

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

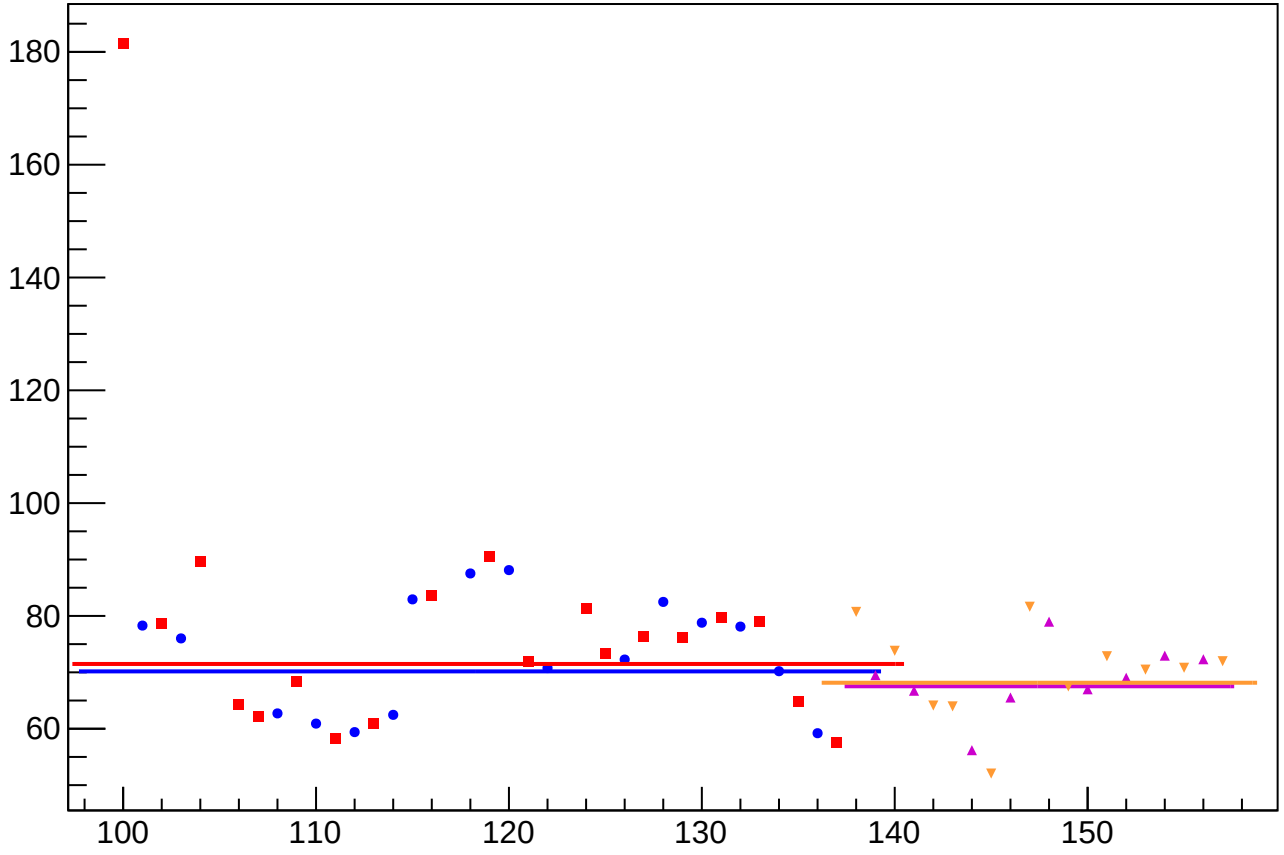
Left In: 2.519+/-24.374 χ^2/NDF:2.3/8

+ sign 54.115+/-17.501 χ^2/NDF: 33.7/26

All: 36.344+/-12.531 χ^2/NDF: 51.1/54

- sign 17.646+/-17.951 χ^2/NDF: 15.2/27

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.156+/-0.017 χ^2/NDF:273062.2/10

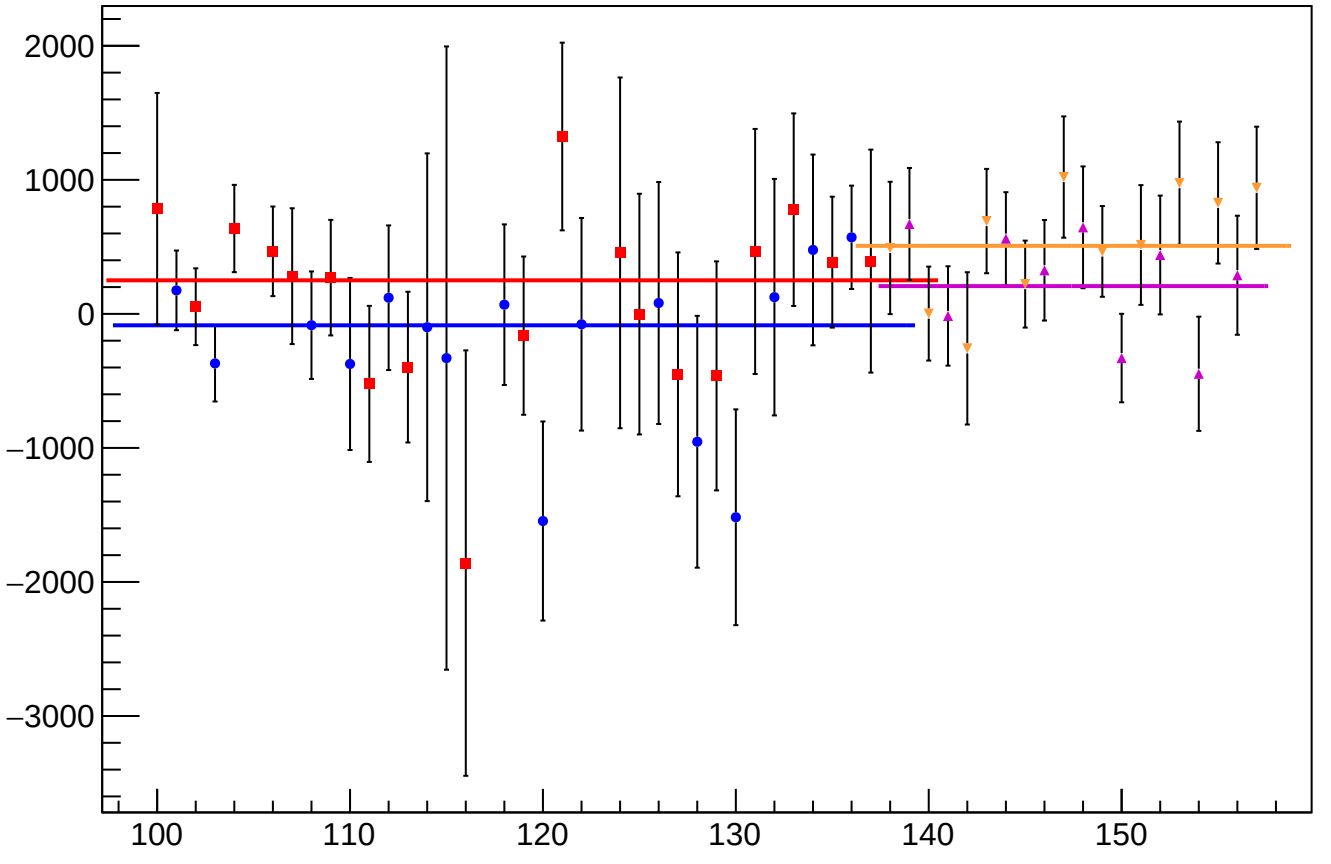
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.528+/-0.017 χ^2/NDF:127890.3/8

+ sign 69.039+/-0.012 χ^2/NDF: 548823.1/26

All: 69.184+/-0.009 χ^2/NDF: 1026820.4/54

- sign 69.338+/-0.013 χ^2/NDF: 477712.7/27



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 507.520+/-124.517 χ^2/NDF:8.6/10

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

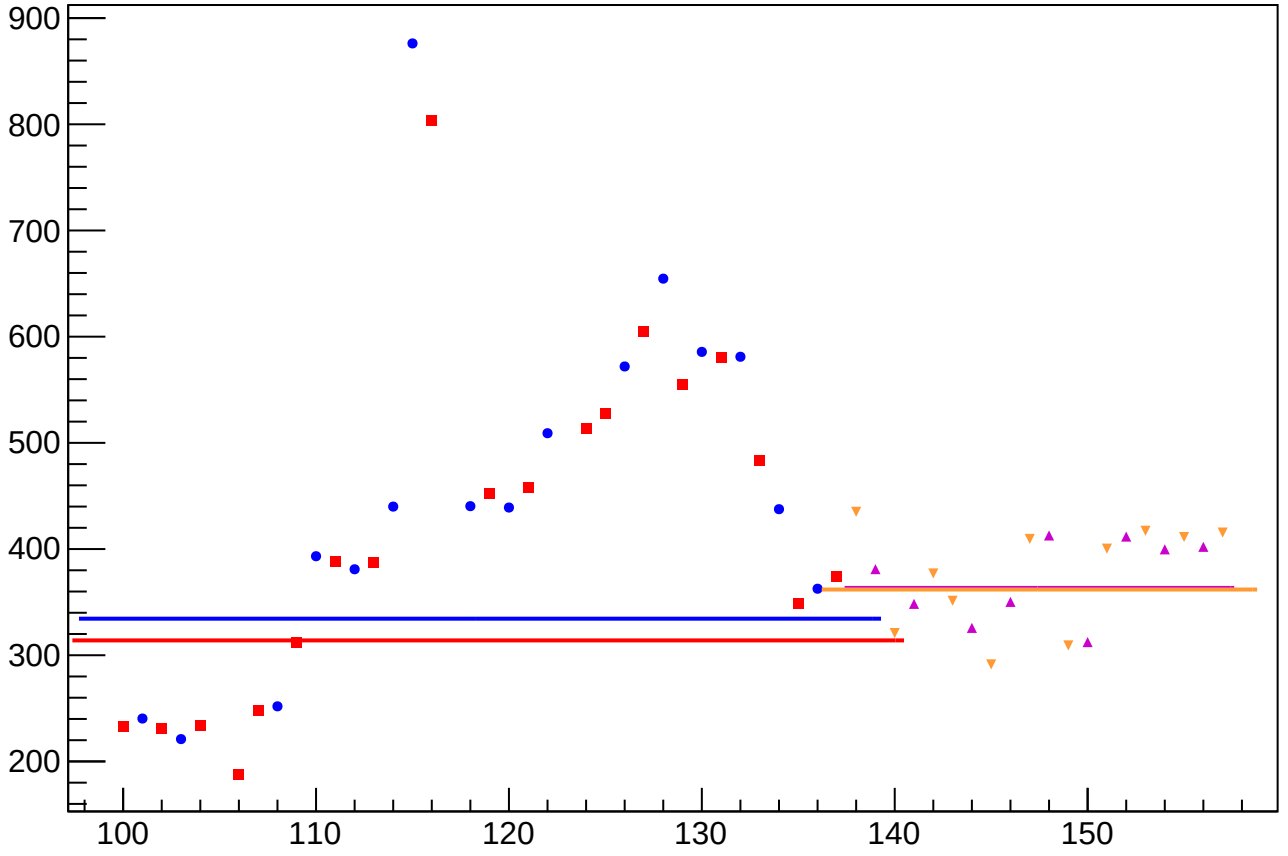
Left In: 207.242+/-131.165 χ^2/NDF:9.0/8

+ sign 230.398+/-90.859 χ^2/NDF: 32.9/26

All: 230.285+/-63.883 χ^2/NDF: 54.4/54

- sign 230.175+/-89.839 χ^2/NDF: 21.5/27

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 361.890+/-0.088 χ^2/NDF:334675.3/10

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

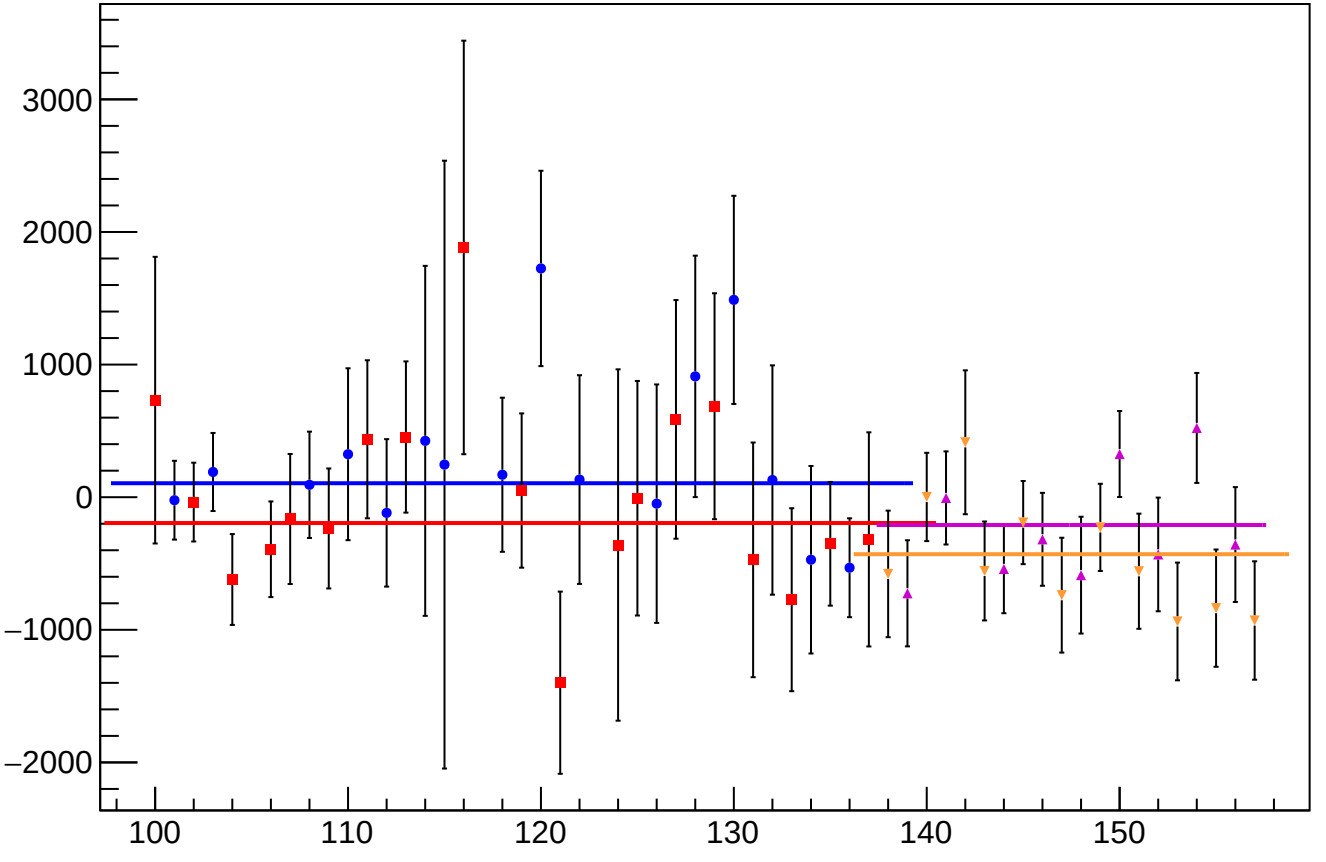
Left In: 363.390+/-0.093 χ^2/NDF:157849.6/8

+ sign 349.051+/-0.064 χ^2/NDF: 2110758.8/26

All: 343.036+/-0.045 χ^2/NDF: 4341268.3/54

- sign 337.155+/-0.064 χ^2/NDF: 2213172.1/27

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -429.739+/-120.149 χ^2/NDF:9.3/10

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

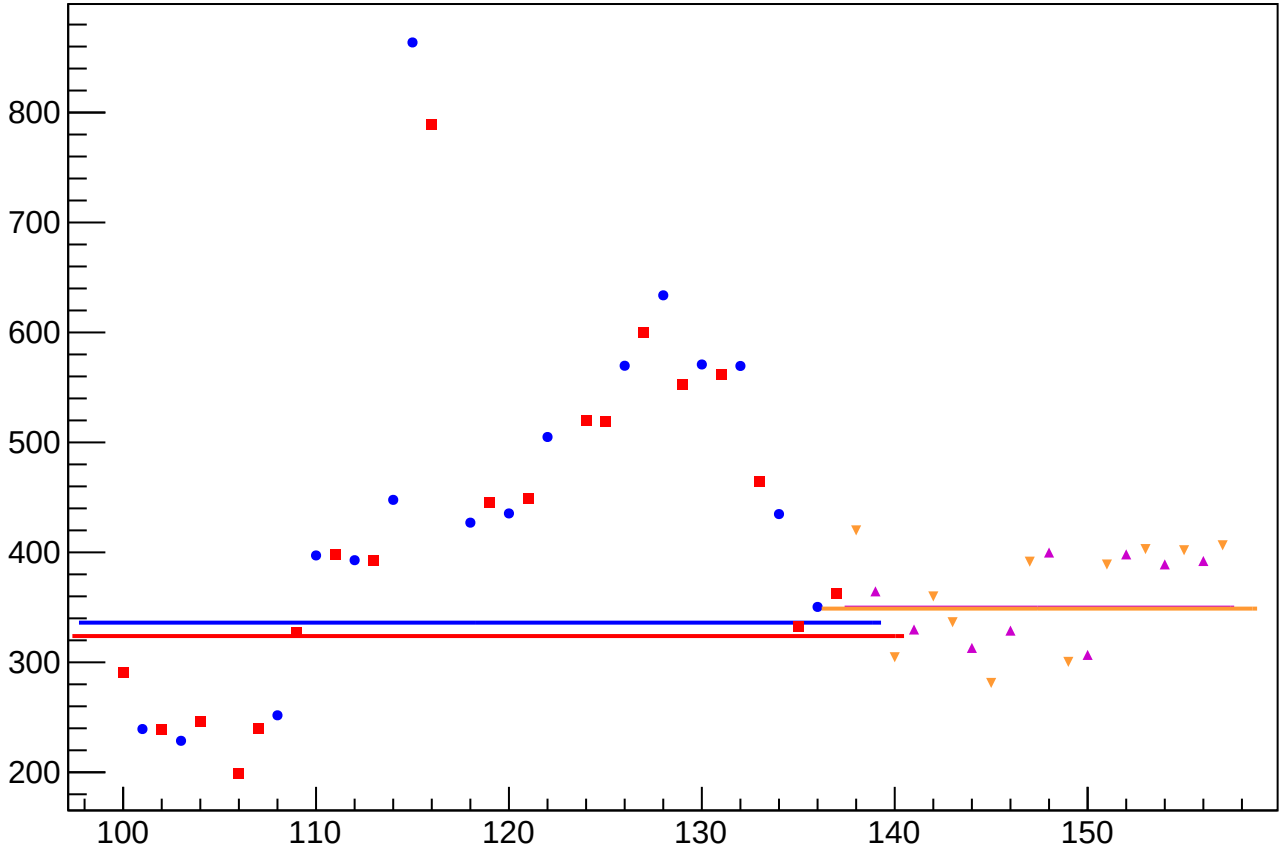
Left In: -209.776+/-126.249 χ^2/NDF:10.0/8

+ sign -189.361+/-89.170 χ^2/NDF: 31.1/26

All: -195.795+/-63.082 χ^2/NDF: 54.3/54

- sign -202.241+/-89.254 χ^2/NDF: 23.2/27

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 348.857+/-0.085 χ^2/NDF:347527.6/10

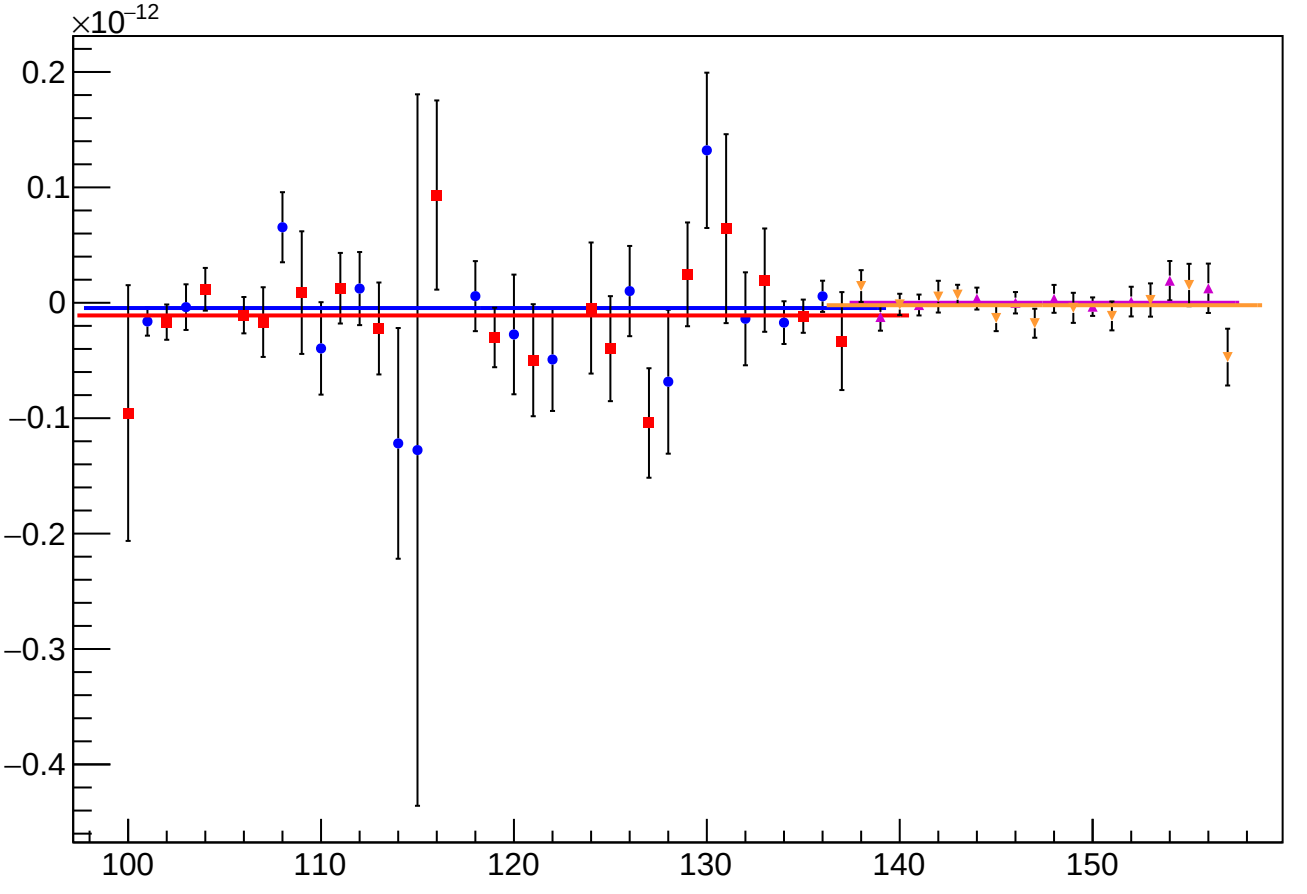
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 349.748+/-0.089 χ^2/NDF:164100.9/8

+ sign 343.123+/-0.063 χ^2/NDF: 1976666.0/26

All: 339.970+/-0.045 χ^2/NDF: 3853175.2/54

- sign 336.811+/-0.063 χ^2/NDF: 1871503.5/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

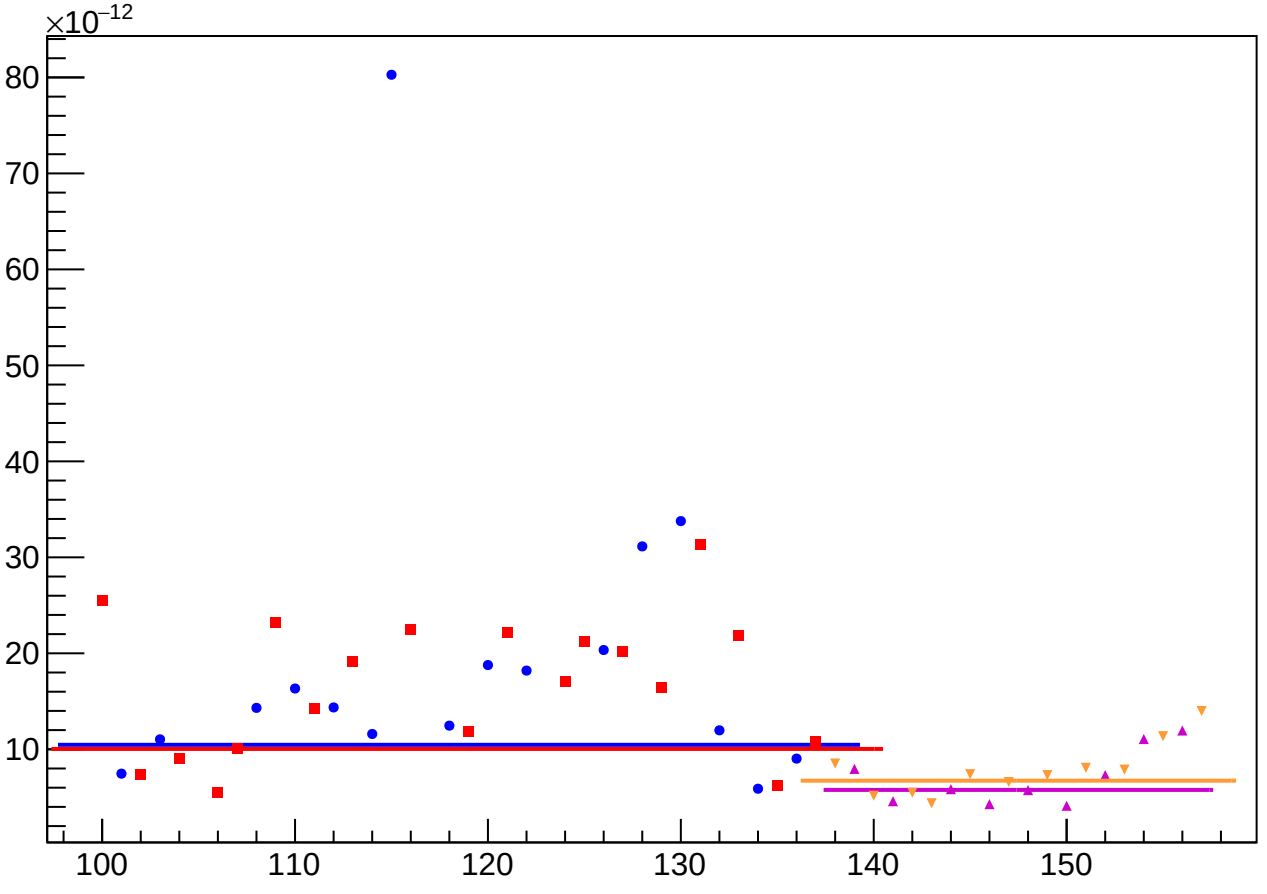
Left In: 0.000+/-0.000 χ^2/NDF:3.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/26

All: -0.000+/-0.000 χ^2/NDF: 44.6/54

- sign -0.000+/-0.000 χ^2/NDF: 17.7/27

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:606646.7/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

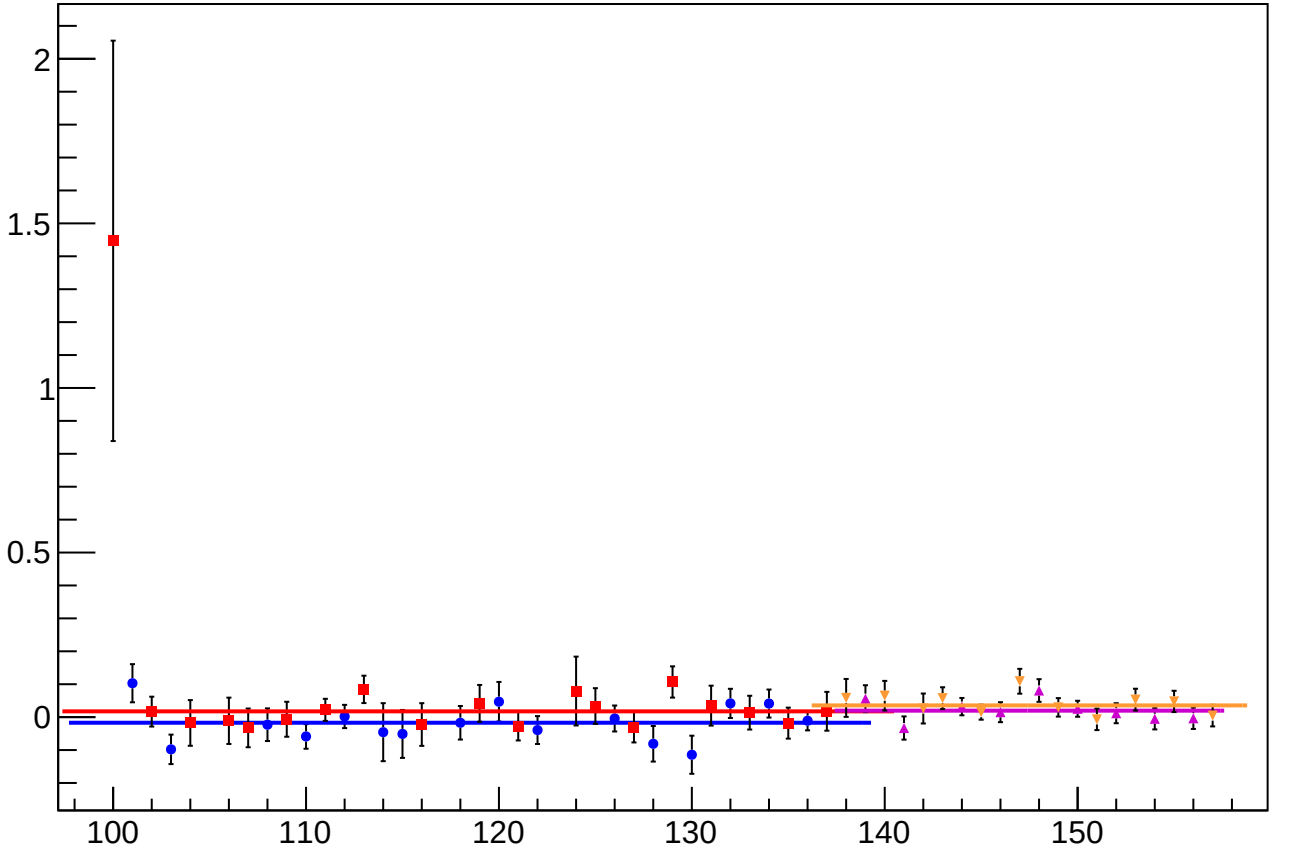
Left In: 0.000+/-0.000 χ^2/NDF:627422.5/8

+ sign 0.000+/-0.000 χ^2/NDF: 2292955.4/26

All: 0.000+/-0.000 χ^2/NDF: 5081587.1/54

- sign 0.000+/-0.000 χ^2/NDF: 2714705.9/27

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

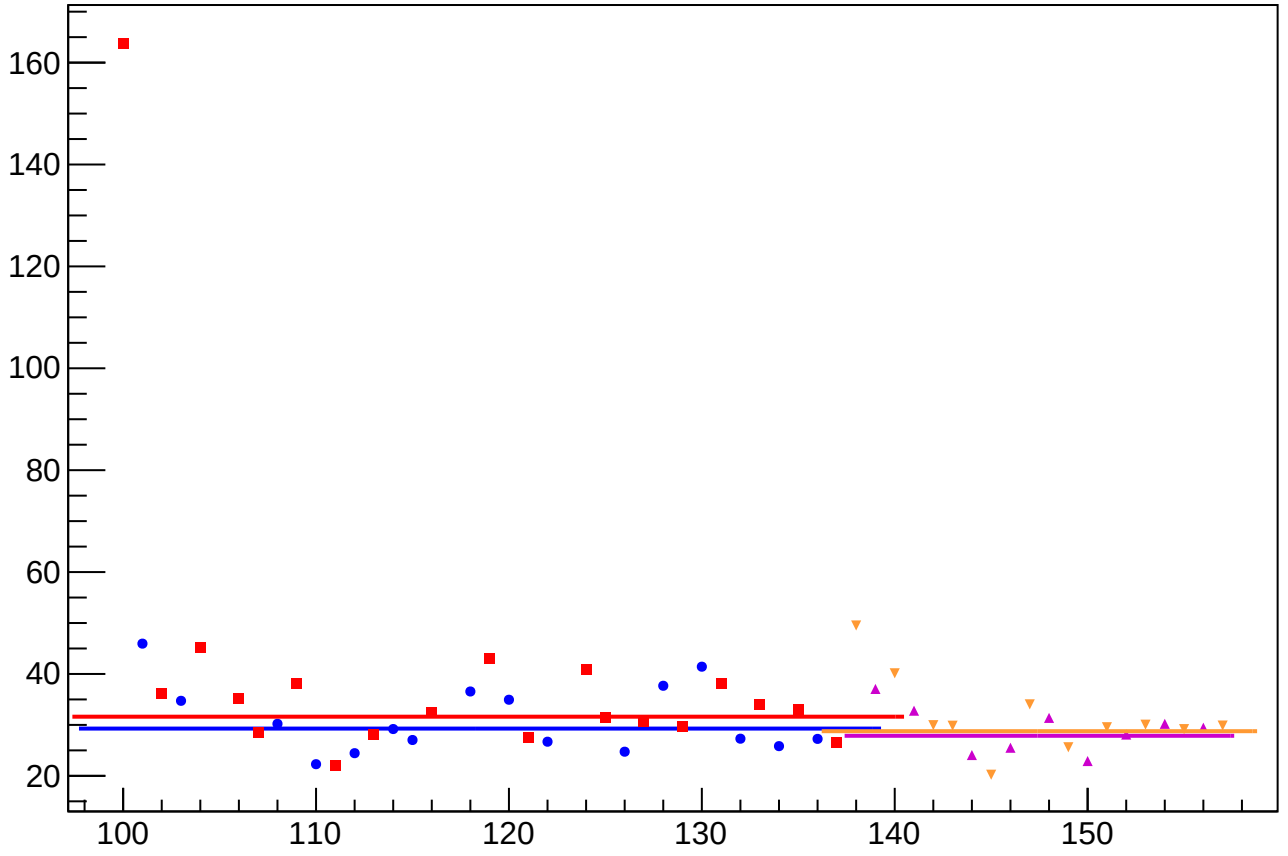
Left In: 0.020+/-0.010 χ^2/NDF:7.6/8

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.015+/-0.005 χ^2/NDF: 64.4/54

- sign 0.019+/-0.008 χ^2/NDF: 24.5/27

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

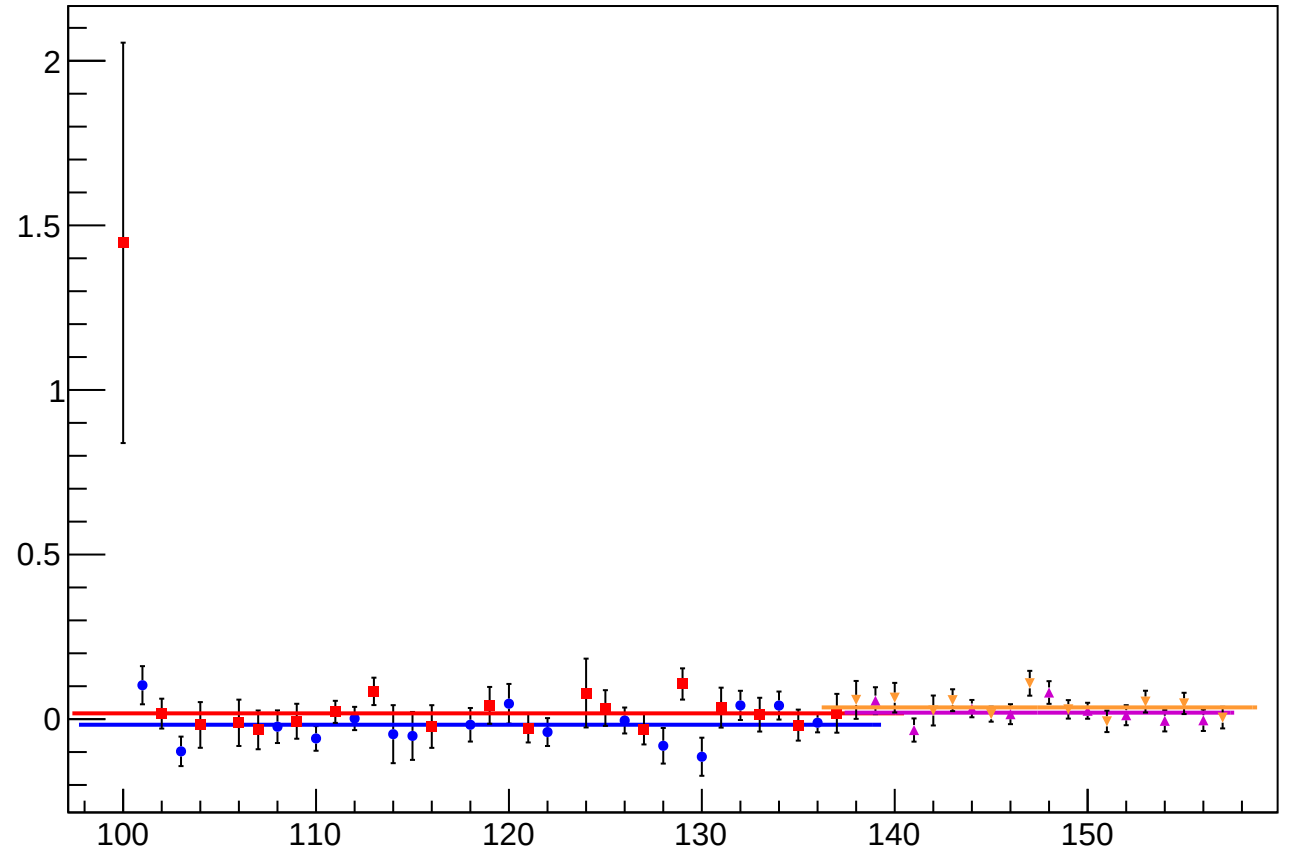
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.866+/-0.007 χ^2/NDF:313471.7/8

+ sign 28.993+/-0.005 χ^2/NDF: 1304748.1/26

All: 29.206+/-0.004 χ^2/NDF: 2305176.1/54

- sign 29.436+/-0.006 χ^2/NDF: 997103.0/27



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

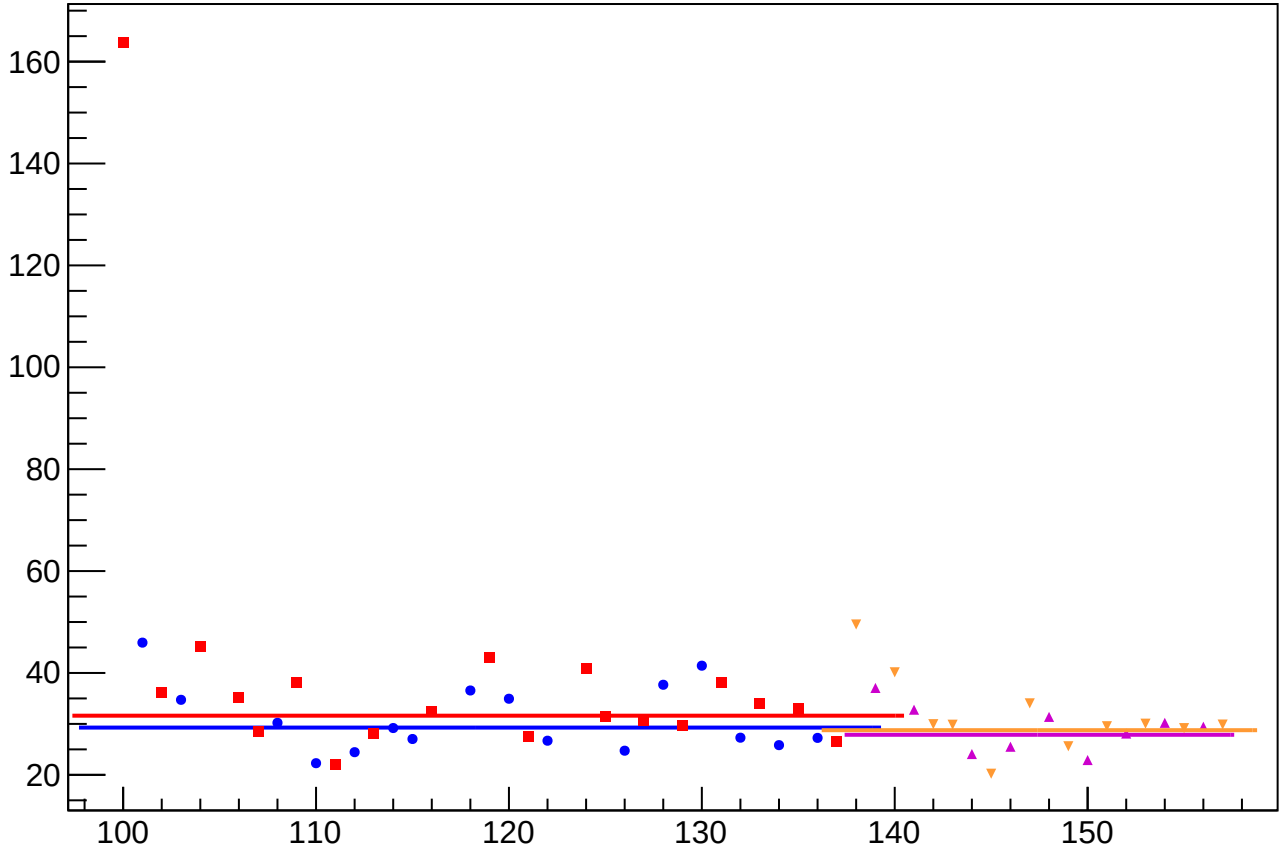
Left In: 0.020+/-0.010 χ^2/NDF:7.6/8

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.015+/-0.005 χ^2/NDF: 64.4/54

- sign 0.019+/-0.008 χ^2/NDF: 24.5/27

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.767+/-0.007 χ^2/NDF:741828.9/10

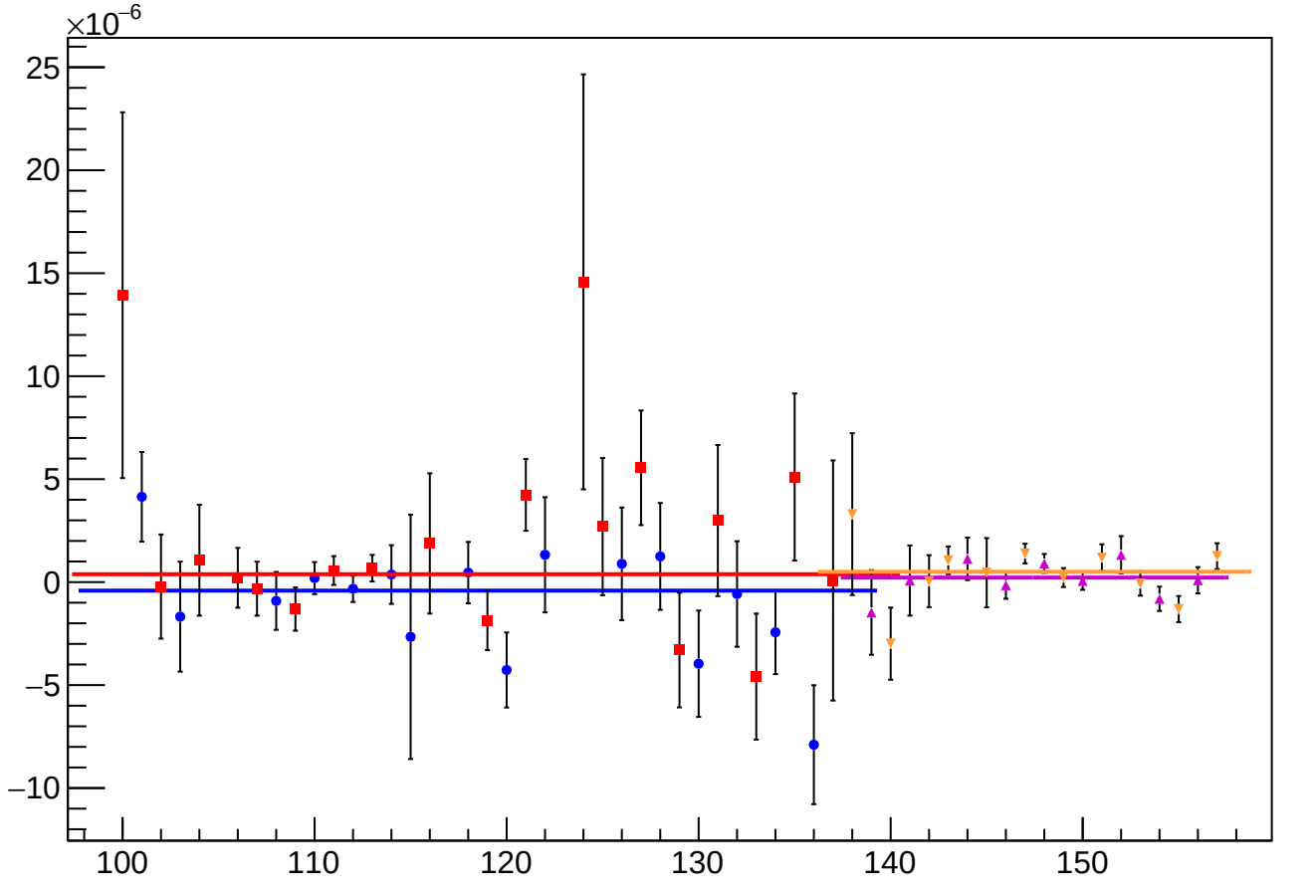
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.866+/-0.007 χ^2/NDF:313471.7/8

\+ sign 28.993+/-0.005 χ^2/NDF: 1304748.1/26

All: 29.206+/-0.004 χ^2/NDF: 2305176.1/54

\- sign 29.436+/-0.006 χ^2/NDF: 997103.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/10

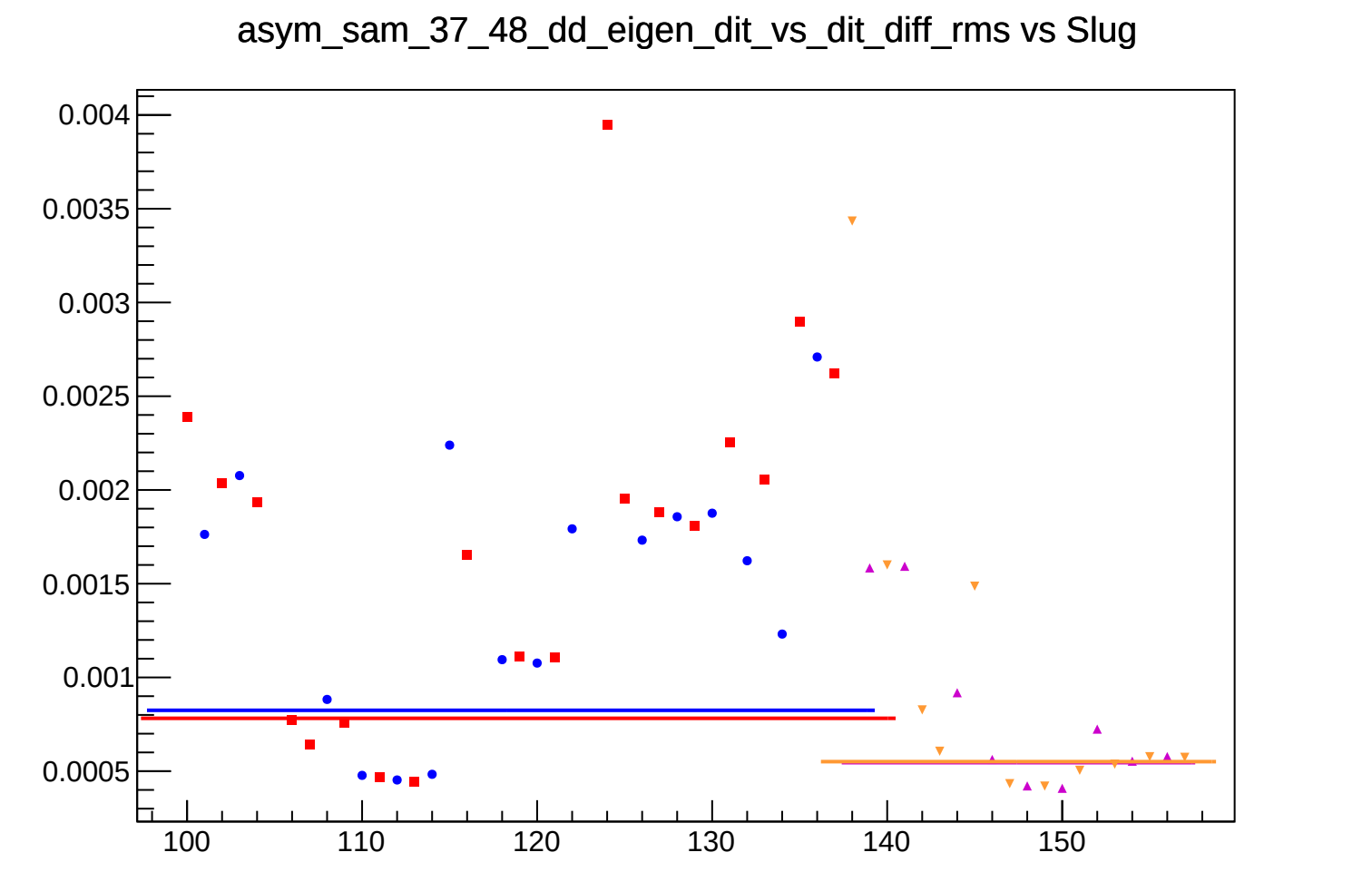
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

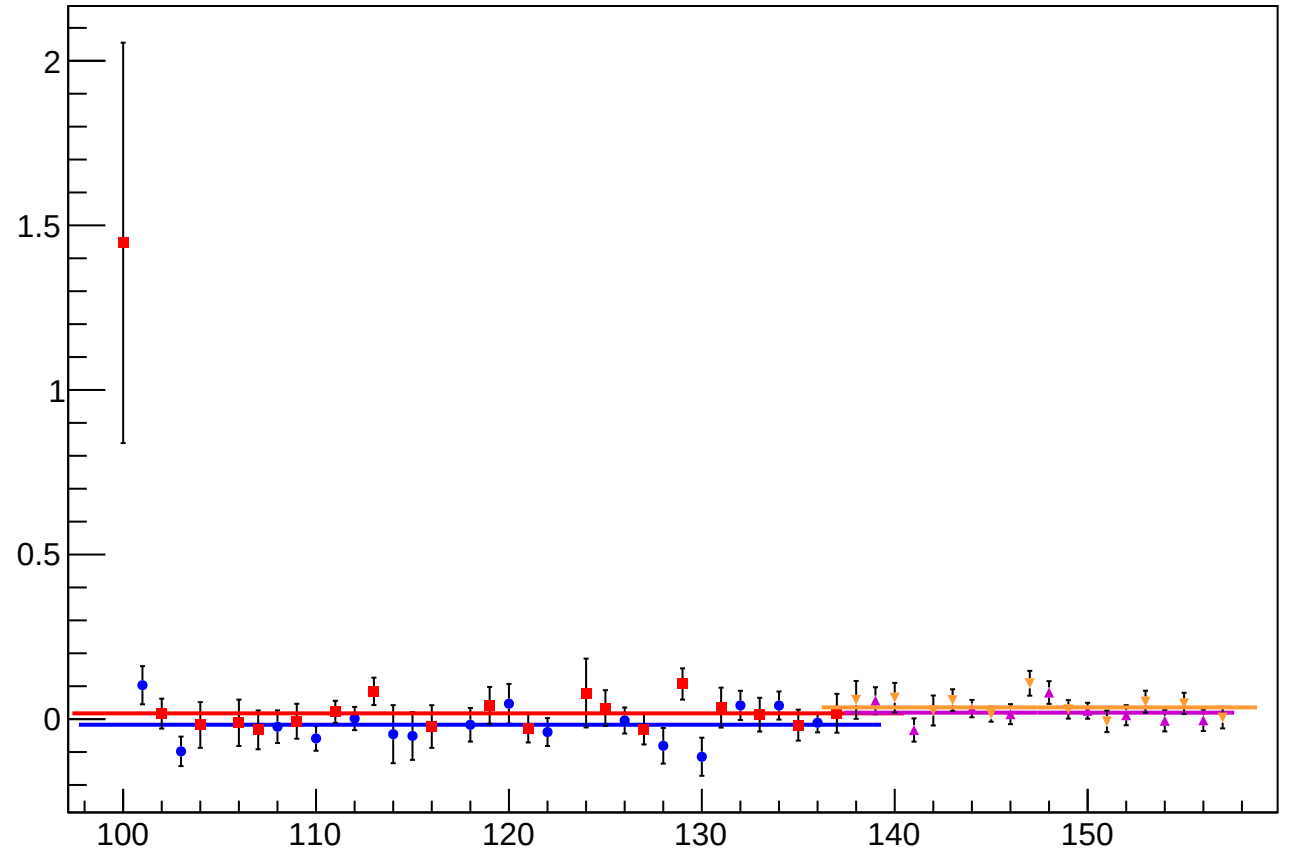
Left In: 0.000+/-0.000 χ^2/NDF:8.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/26

All: 0.000+/-0.000 χ^2/NDF: 80.8/54

- sign 0.000+/-0.000 χ^2/NDF: 34.2/27


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2823639.6/10
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1962787.5/8
+ sign 0.001+/-0.000 χ²/NDF: 8101673.8/26
All: 0.001+/-0.000 χ²/NDF: 15359932.6/54
- sign 0.001+/-0.000 χ²/NDF: 7257888.9/27



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

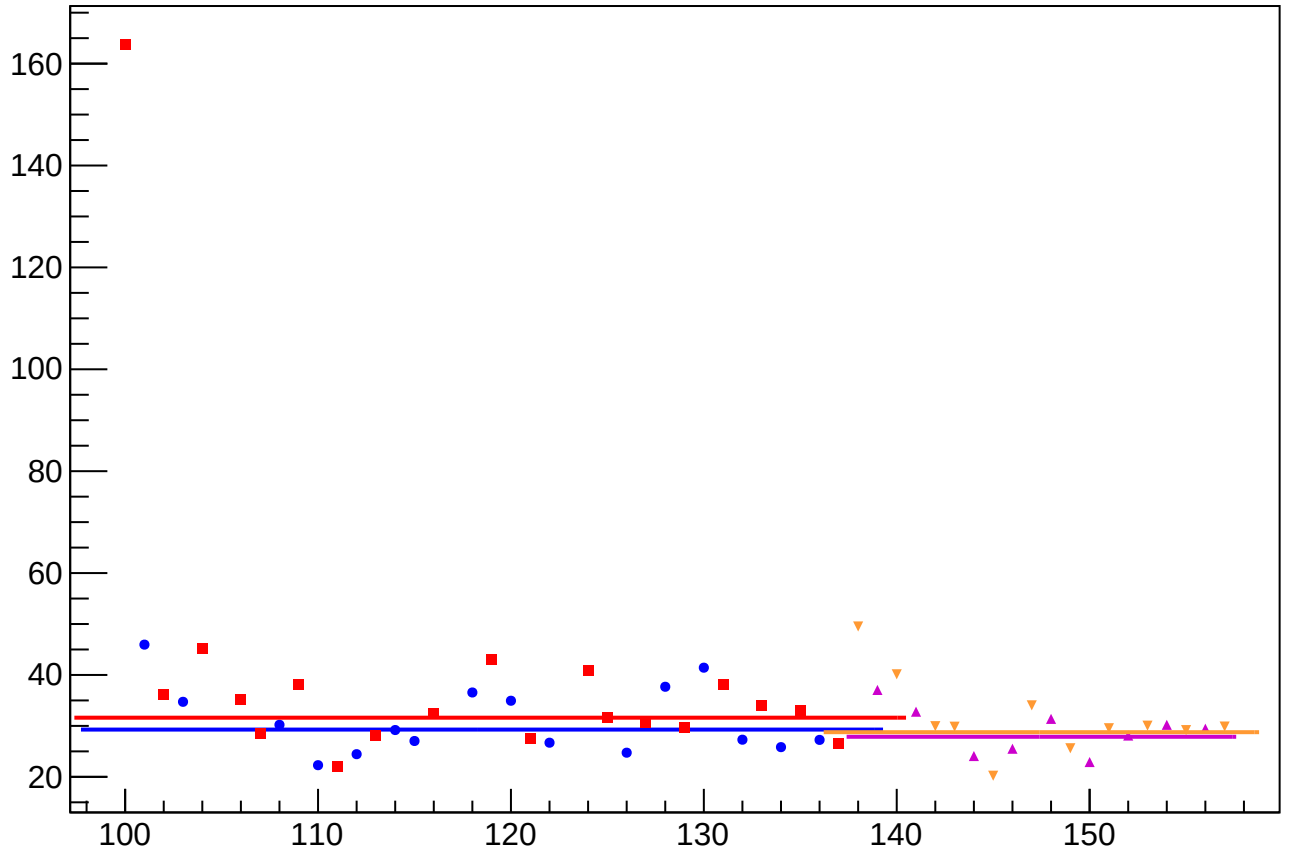
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.020+/-0.010 χ^2/NDF:7.6/8

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.015+/-0.005 χ^2/NDF: 64.4/54

- sign 0.019+/-0.008 χ^2/NDF: 24.5/27



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

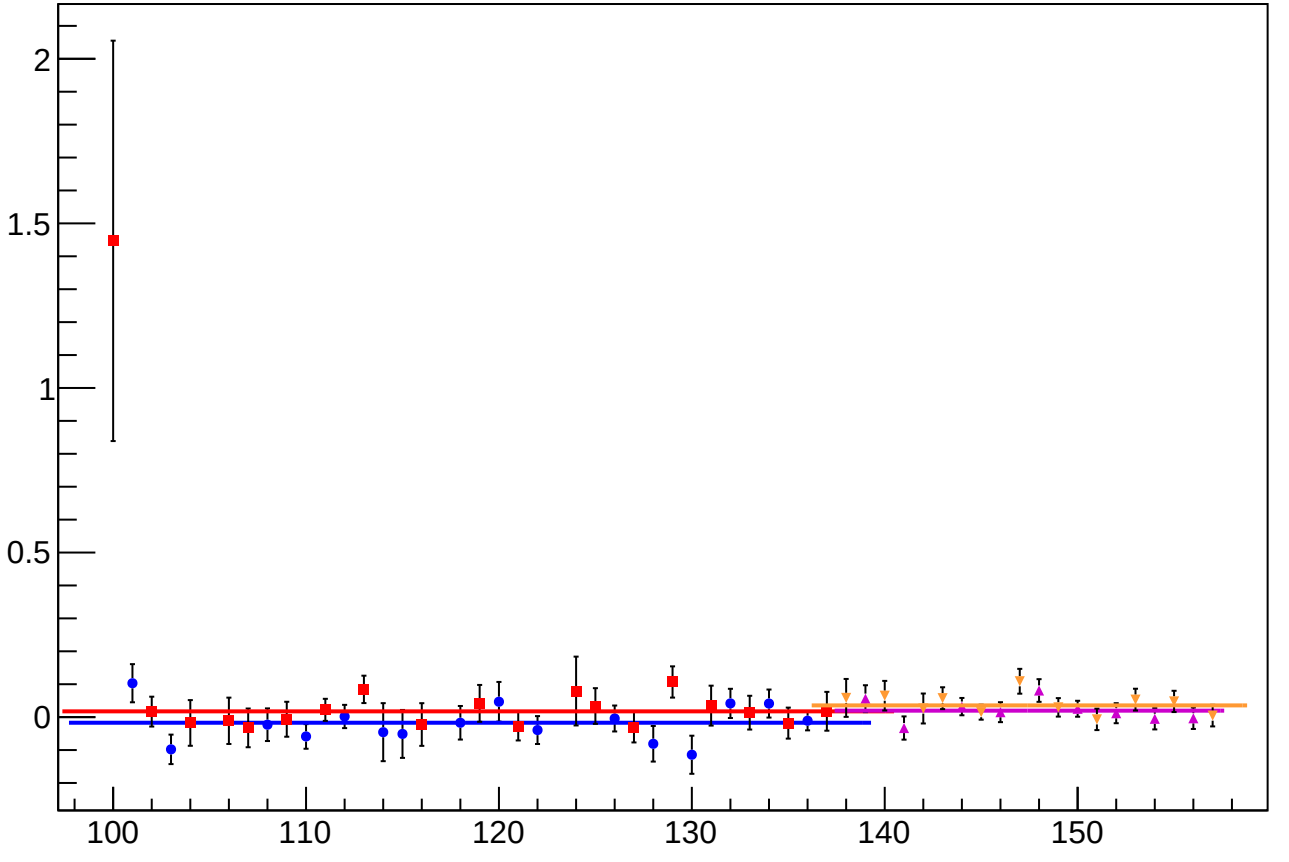
Left In: 27.866+/-0.007 χ^2/NDF:313443.5/8

+ sign 28.993+/-0.005 χ^2/NDF: 1304801.9/26

All: 29.206+/-0.004 χ^2/NDF: 2305217.9/54

- sign 29.437+/-0.006 χ^2/NDF: 997088.9/27

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.010 χ^2/NDF:8.7/10

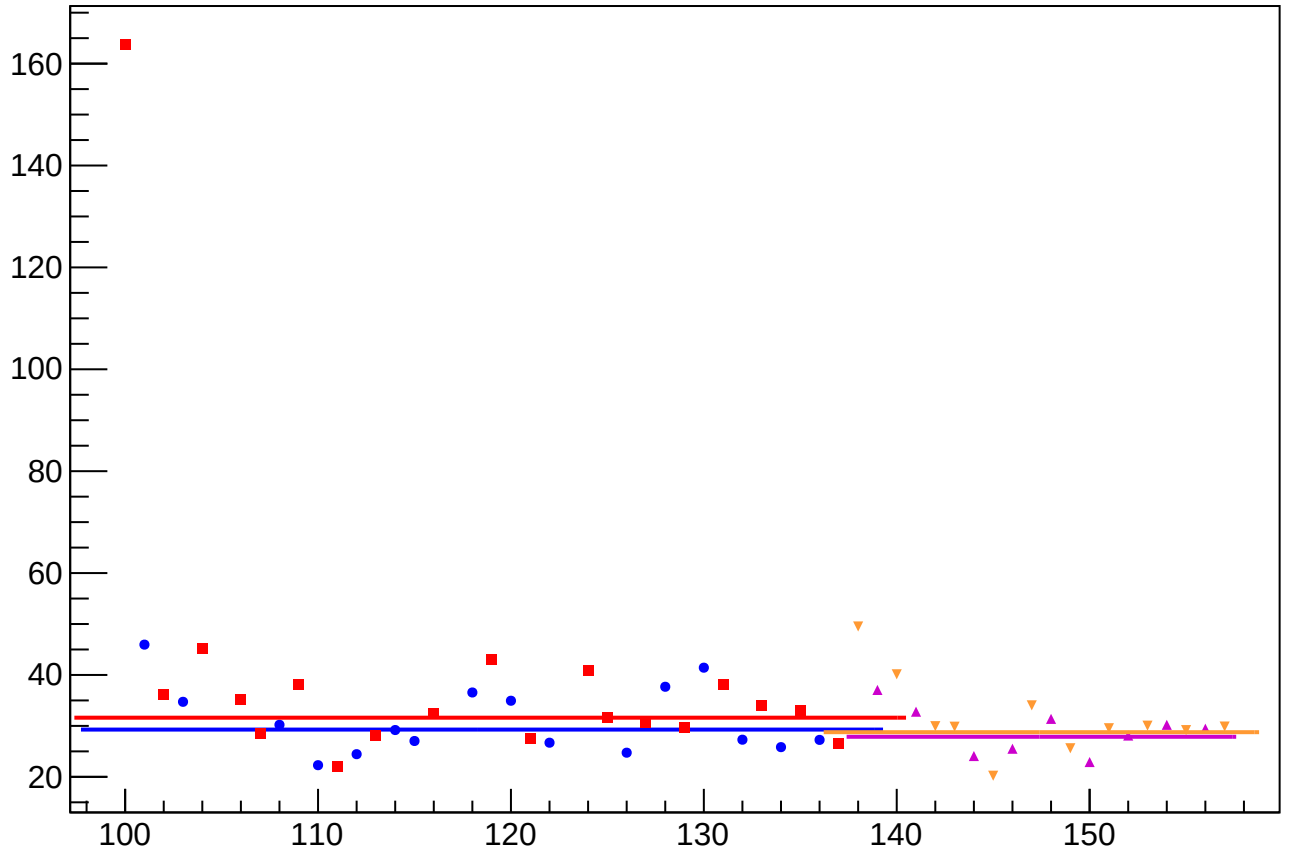
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.020+/-0.010 χ^2/NDF:7.6/8

+ sign 0.012+/-0.008 χ^2/NDF: 39.6/26

All: 0.015+/-0.005 χ^2/NDF: 64.4/54

- sign 0.019+/-0.008 χ^2/NDF: 24.5/27



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.767+/-0.007 χ^2/NDF:741880.2/10

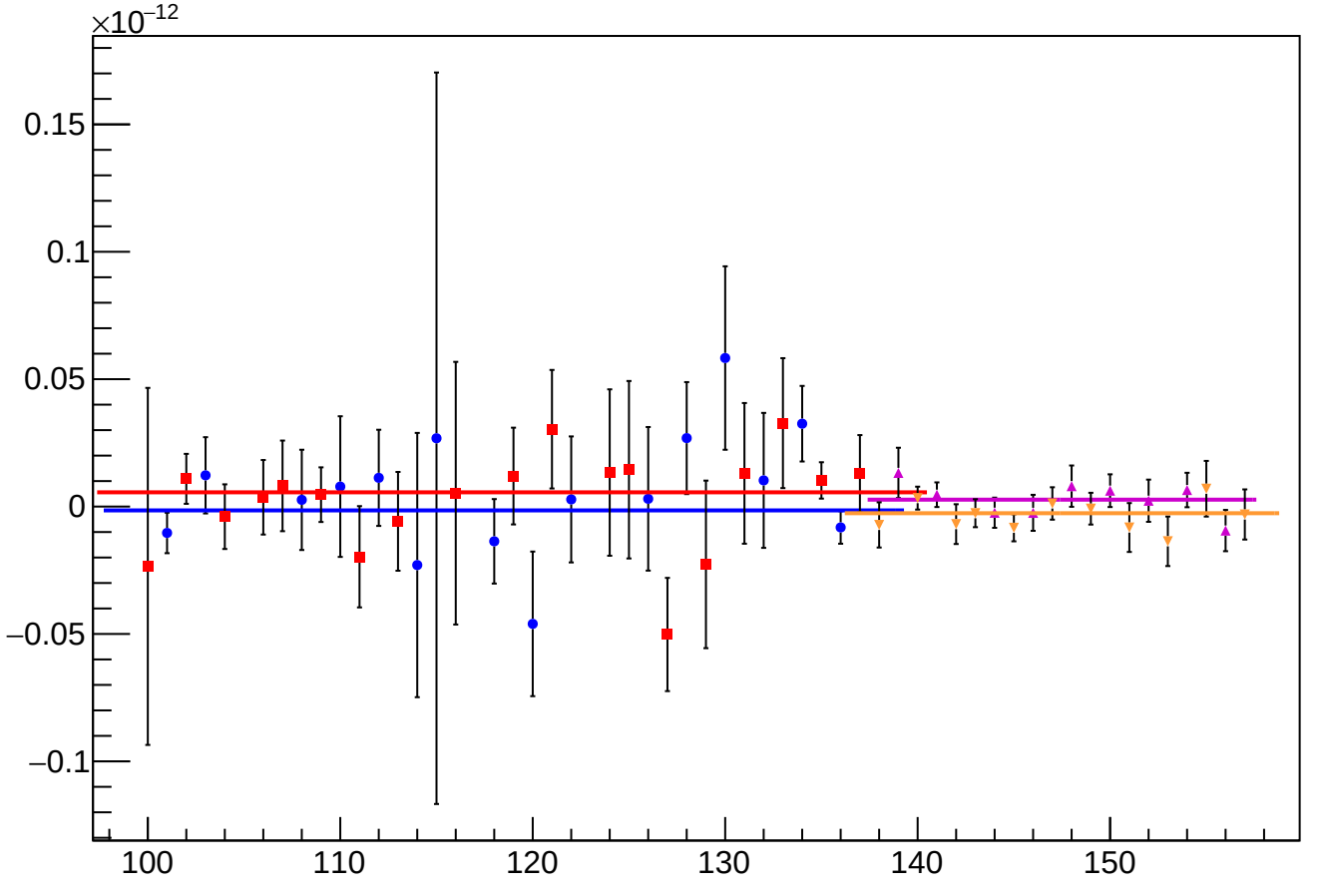
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.866+/-0.007 χ^2/NDF:313443.5/8

+ sign 28.993+/-0.005 χ^2/NDF: 1304801.9/26

All: 29.206+/-0.004 χ^2/NDF: 2305217.9/54

- sign 29.437+/-0.006 χ^2/NDF: 997088.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/10

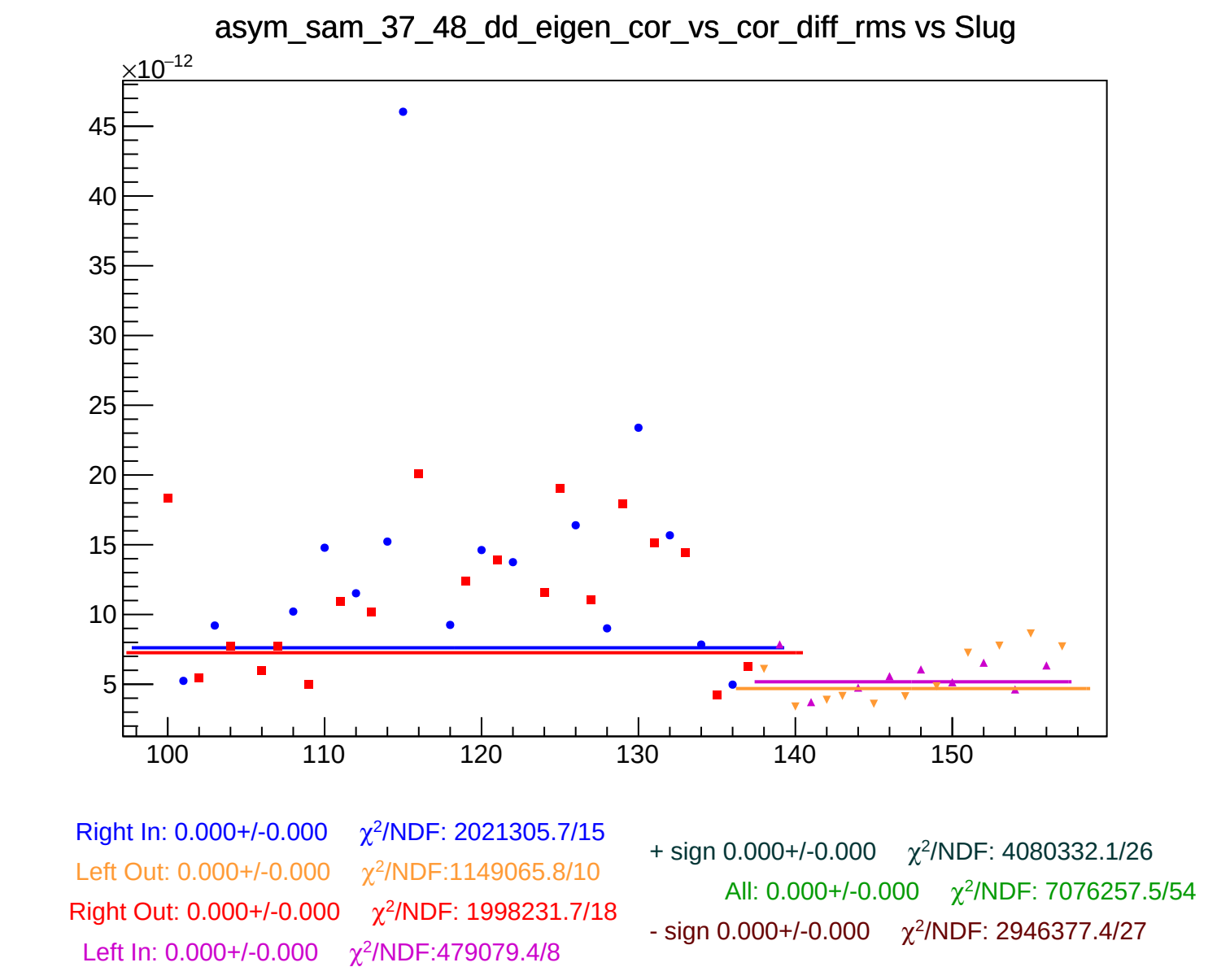
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/8

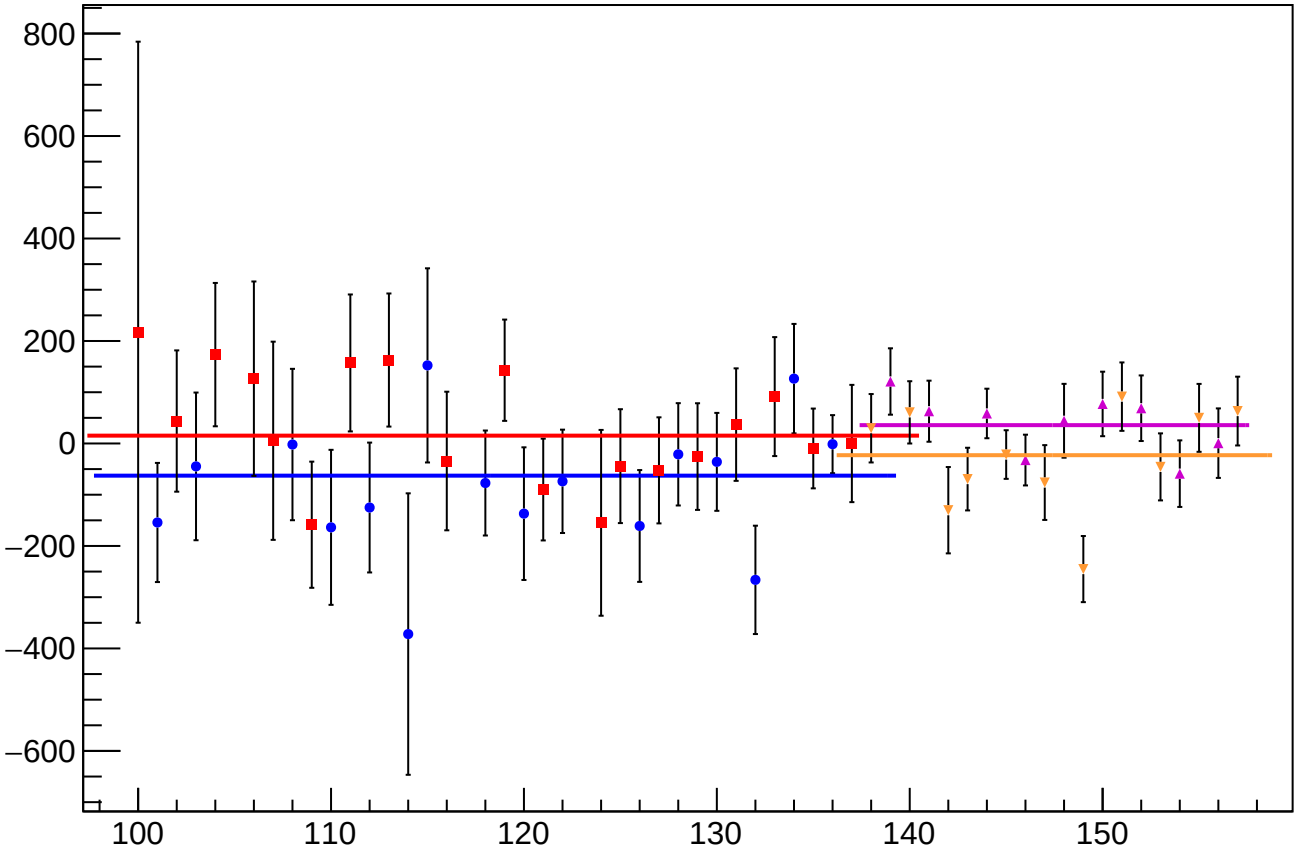
+ sign -0.000+/-0.000 χ^2/NDF: 23.3/26

All: 0.000+/-0.000 χ^2/NDF: 47.9/54

- sign 0.000+/-0.000 χ^2/NDF: 19.6/27


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1149065.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:479079.4/8
+ sign 0.000+/-0.000 χ²/NDF: 4080332.1/26
All: 0.000+/-0.000 χ²/NDF: 7076257.5/54
- sign 0.000+/-0.000 χ²/NDF: 2946377.4/27

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.867+/-19.304 χ^2/NDF:23.0/10

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

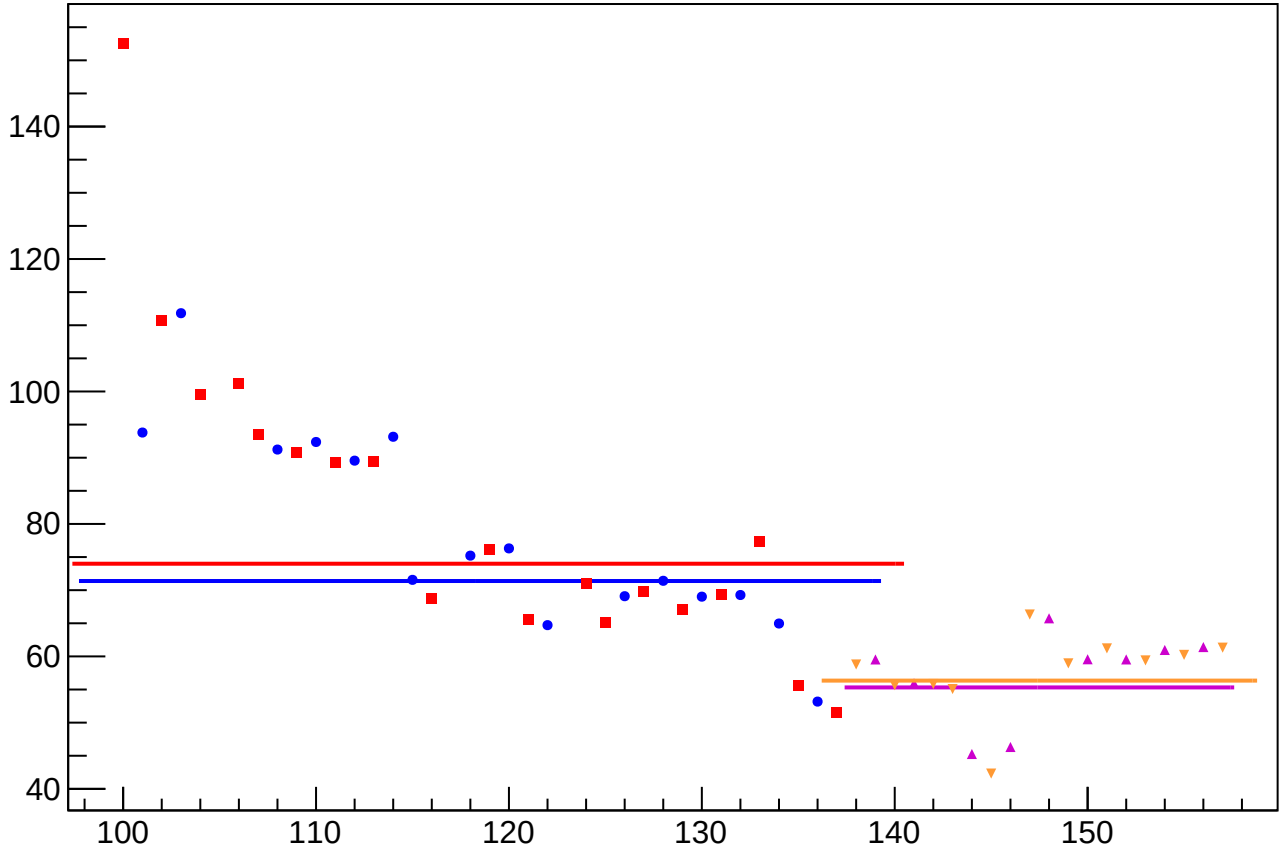
Left In: 35.771+/-20.004 χ^2/NDF:7.2/8

+ sign -36.234+/-15.745 χ^2/NDF: 37.9/26

All: -4.719+/-11.301 χ^2/NDF: 65.2/54

- sign 28.773+/-16.231 χ^2/NDF: 19.0/27

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

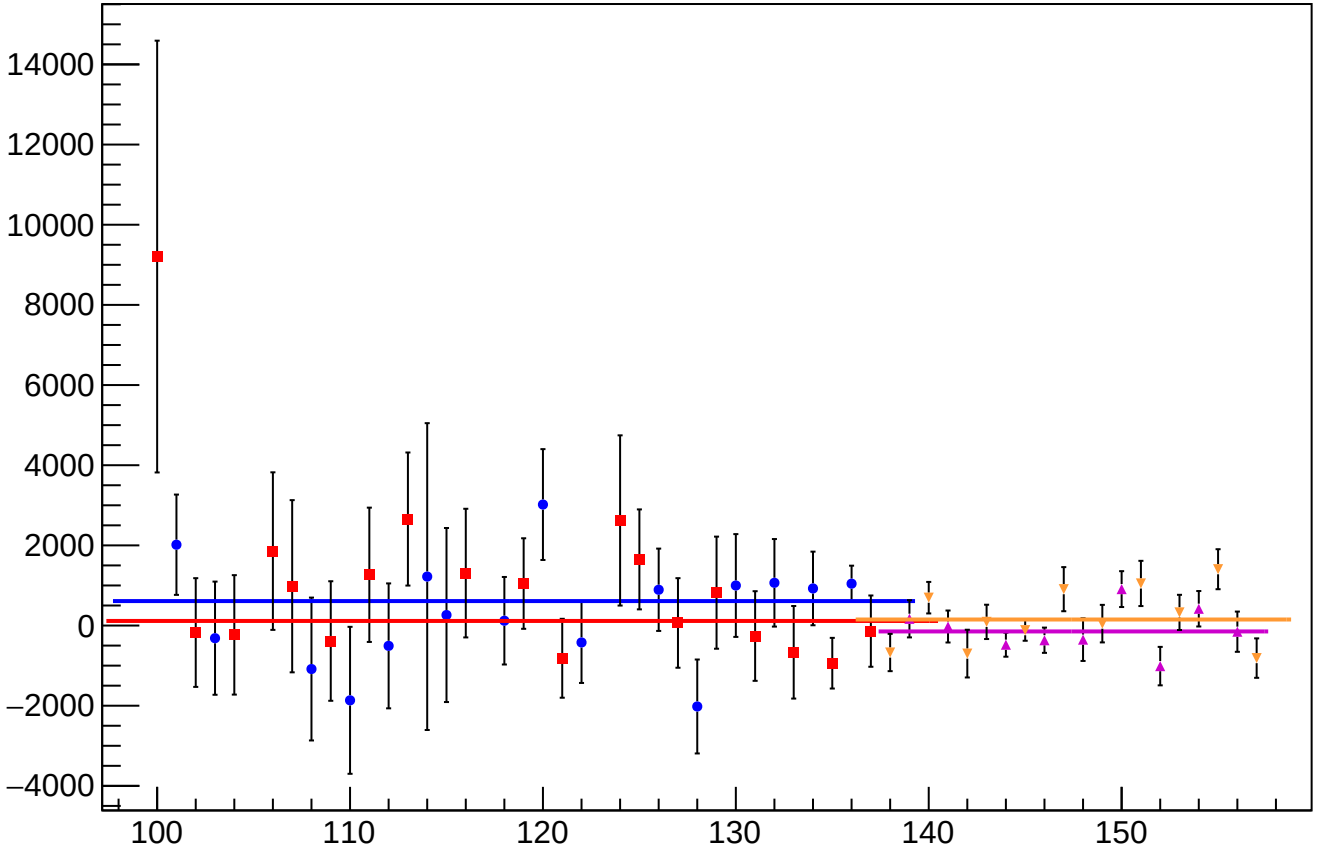
Left In: 55.315+/-0.014 χ^2/NDF:252277.3/8

+ sign 61.379+/-0.011 χ^2/NDF: 1249613.0/26

All: 61.533+/-0.008 χ^2/NDF: 2736420.8/54

- sign 61.696+/-0.011 χ^2/NDF: 1486414.9/27

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 150.609+/-131.192 χ^2/NDF:22.9/10

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

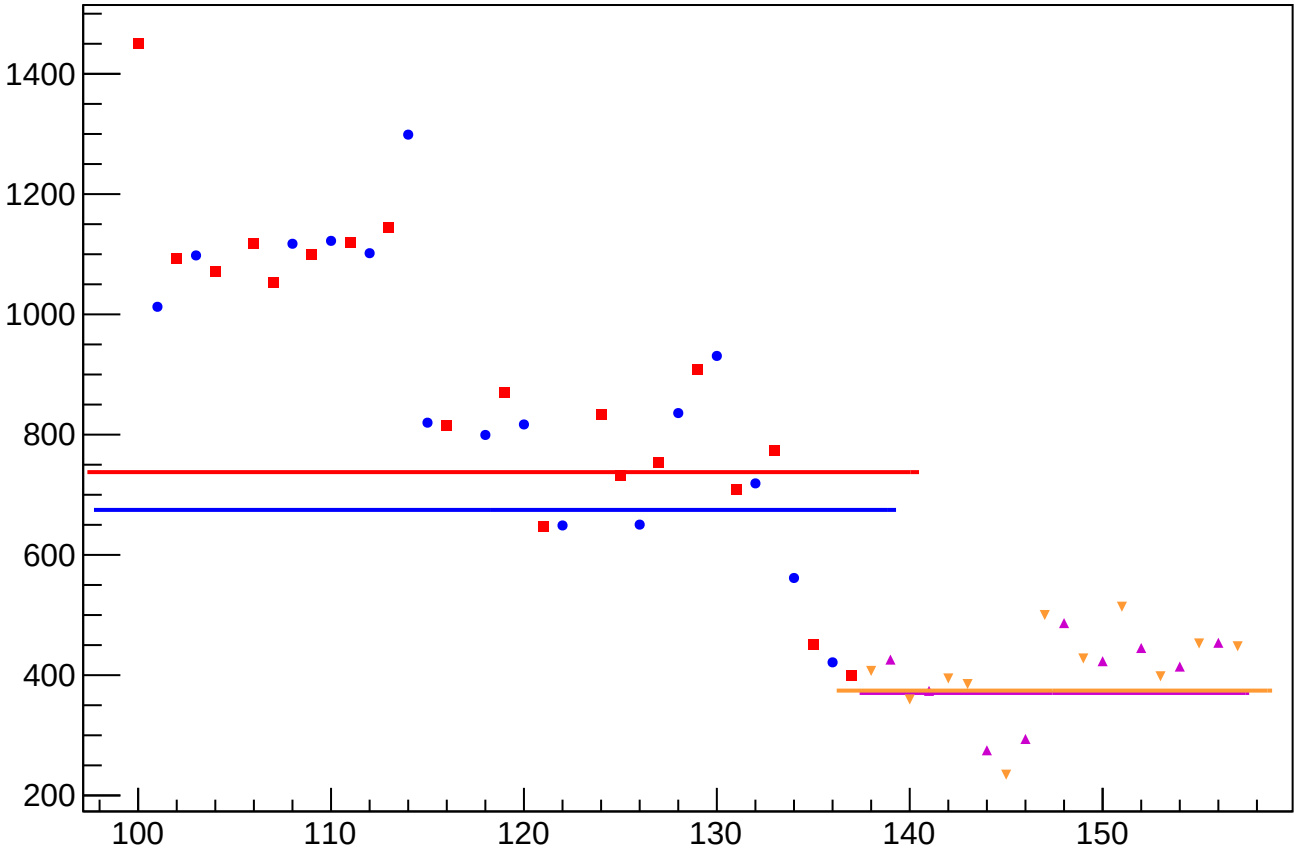
Left In: -147.018+/-135.955 χ^2/NDF:12.9/8

+ sign 240.166+/-117.729 χ^2/NDF: 41.0/26

All: 77.853+/-84.934 χ^2/NDF: 74.1/54

- sign -98.322+/-122.653 χ^2/NDF: 29.1/27

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 374.345+/-0.093 χ^2/NDF:931498.9/10

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

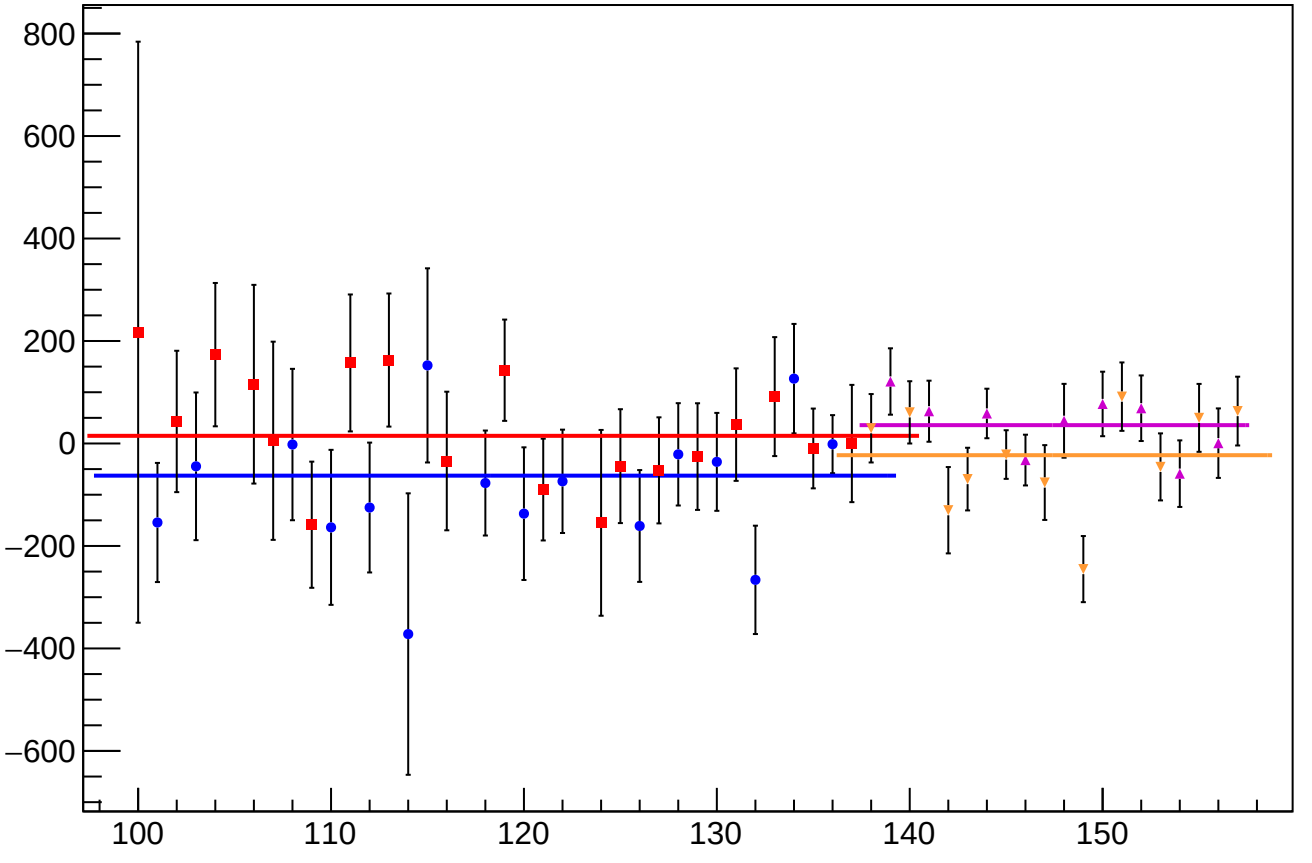
Left In: 370.433+/-0.096 χ^2/NDF:596031.1/8

+ sign 432.852+/-0.083 χ^2/NDF: 4592017.2/26

All: 435.695+/-0.060 χ^2/NDF: 9423099.9/54

- sign 438.780+/-0.087 χ^2/NDF: 4828651.4/27

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

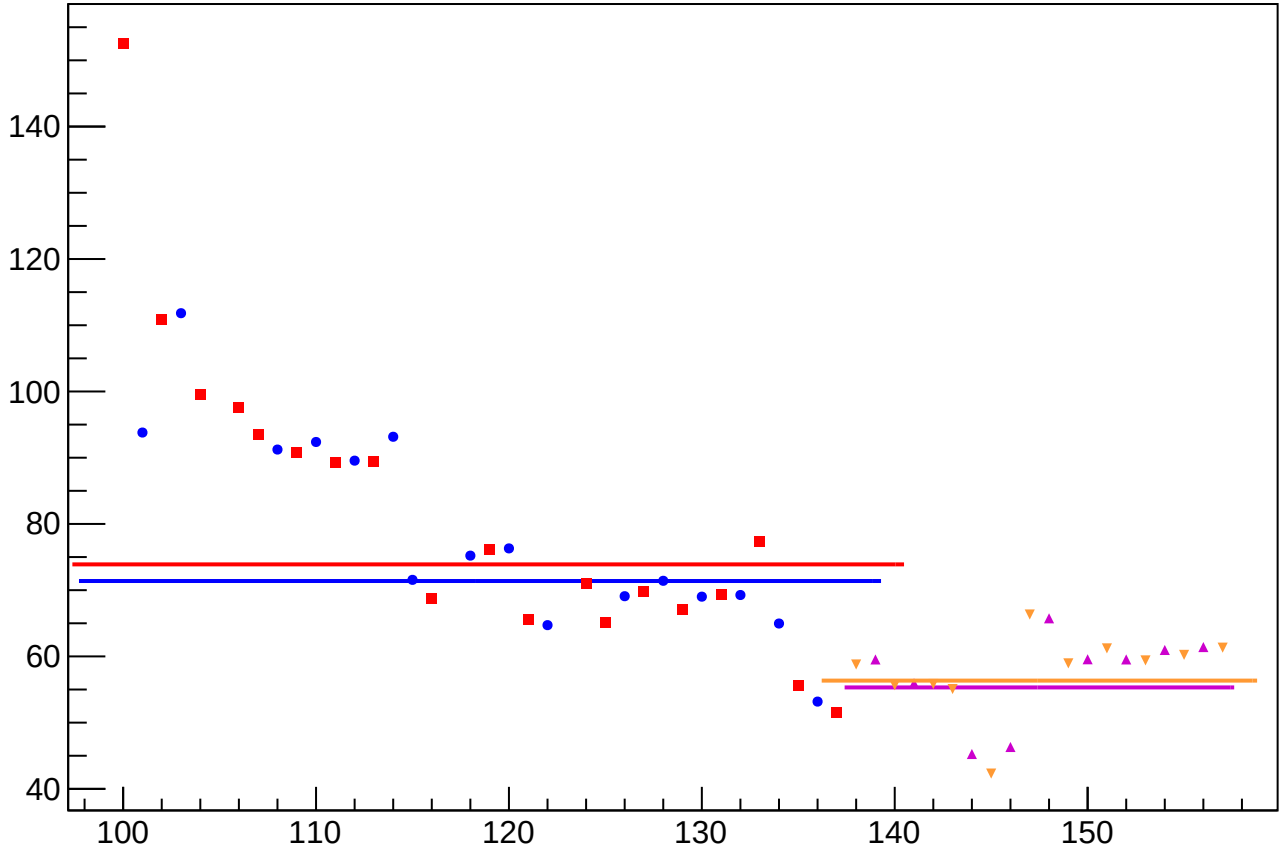
Left In: 35.771+/-20.004 χ^2/NDF:7.2/8

+ sign -36.233+/-15.745 χ^2/NDF: 37.9/26

All: -4.780+/-11.302 χ^2/NDF: 65.1/54

- sign 28.656+/-16.234 χ^2/NDF: 18.9/27

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

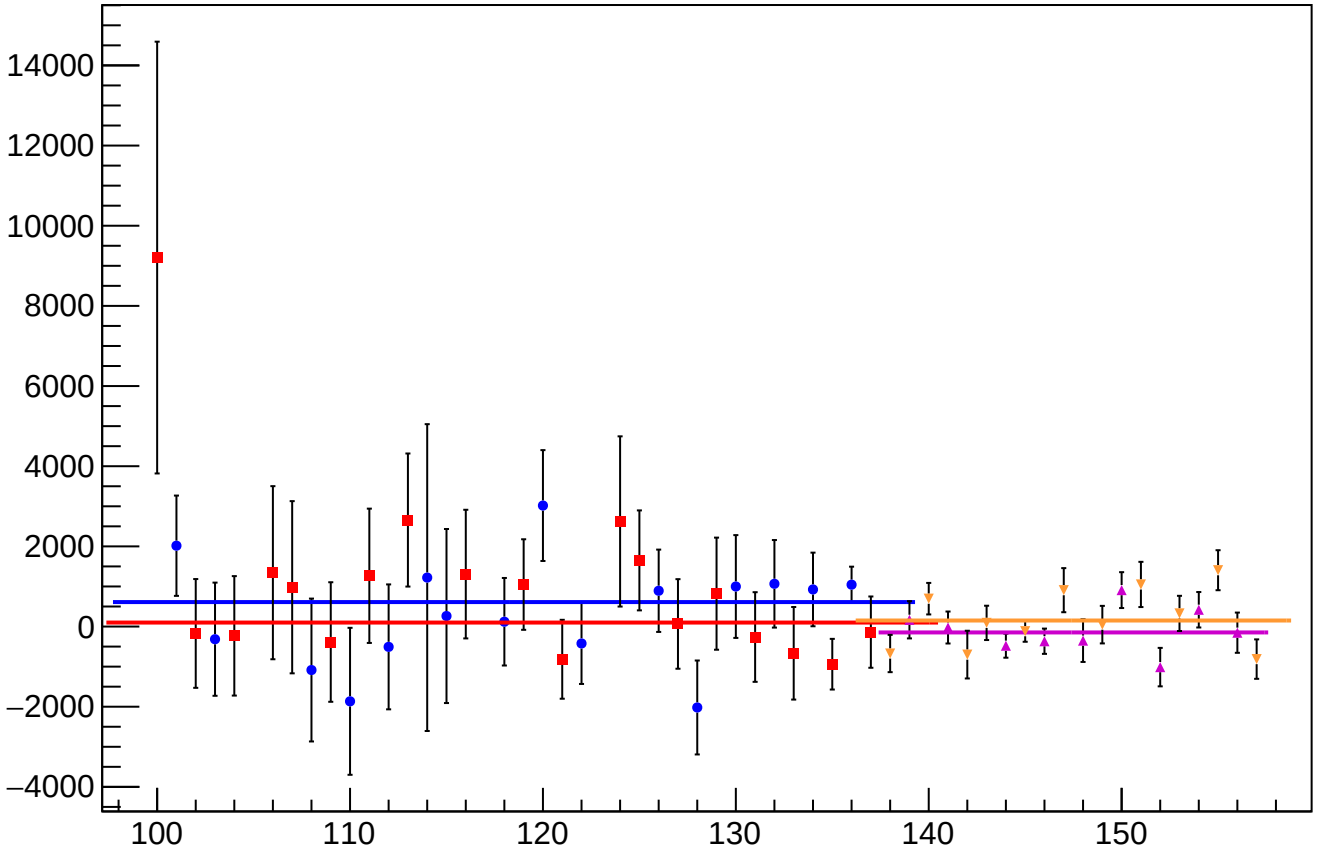
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.315+/-0.014 χ^2/NDF:252277.3/8

+ sign 61.379+/-0.011 χ^2/NDF: 1249615.6/26

All: 61.515+/-0.008 χ^2/NDF: 2718188.2/54

- sign 61.658+/-0.011 χ^2/NDF: 1468268.4/27



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

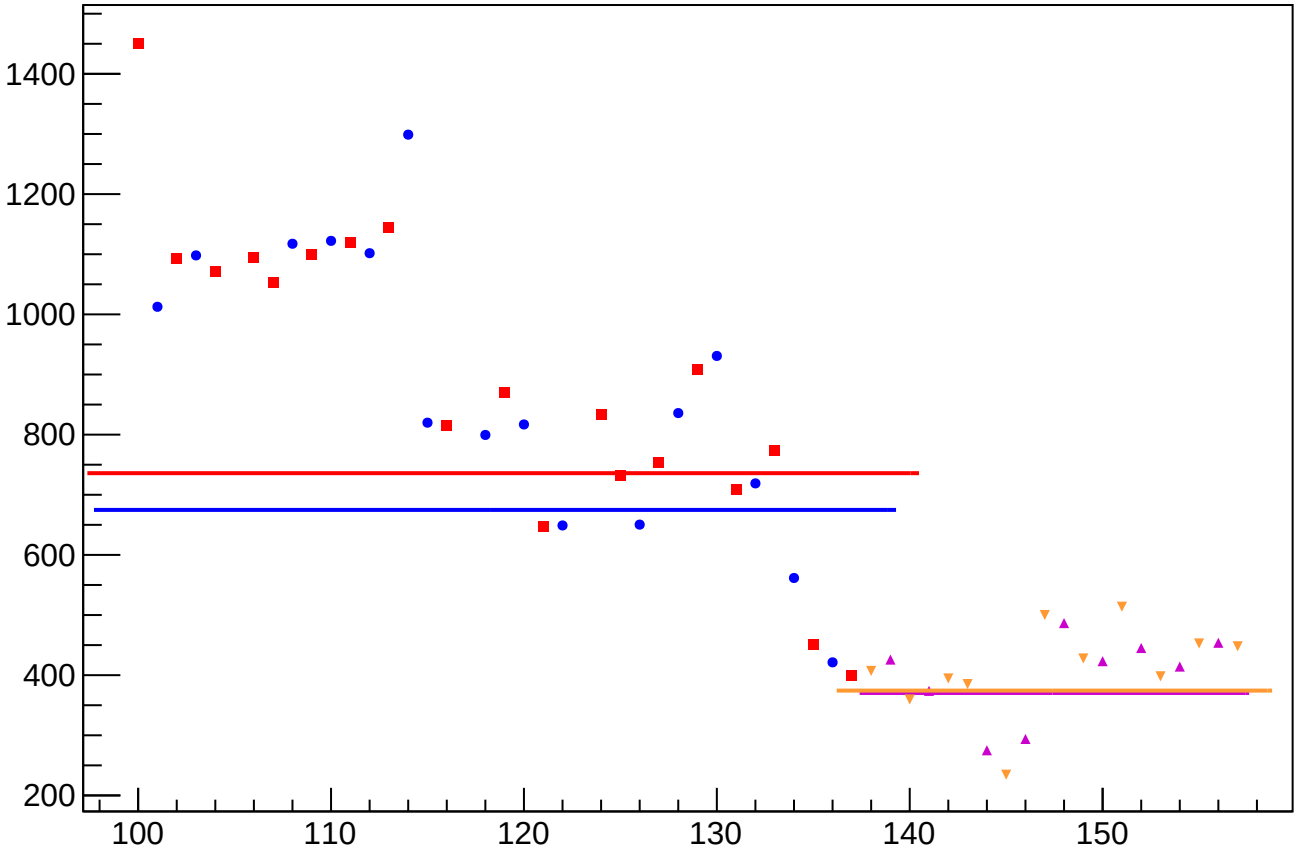
Left In: -147.016+/-135.955 χ^2/NDF:12.9/8

+ sign 240.161+/-117.729 χ^2/NDF: 41.0/26

All: 76.498+/-84.948 χ^2/NDF: 73.6/54

- sign -101.263+/-122.695 χ^2/NDF: 28.6/27

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

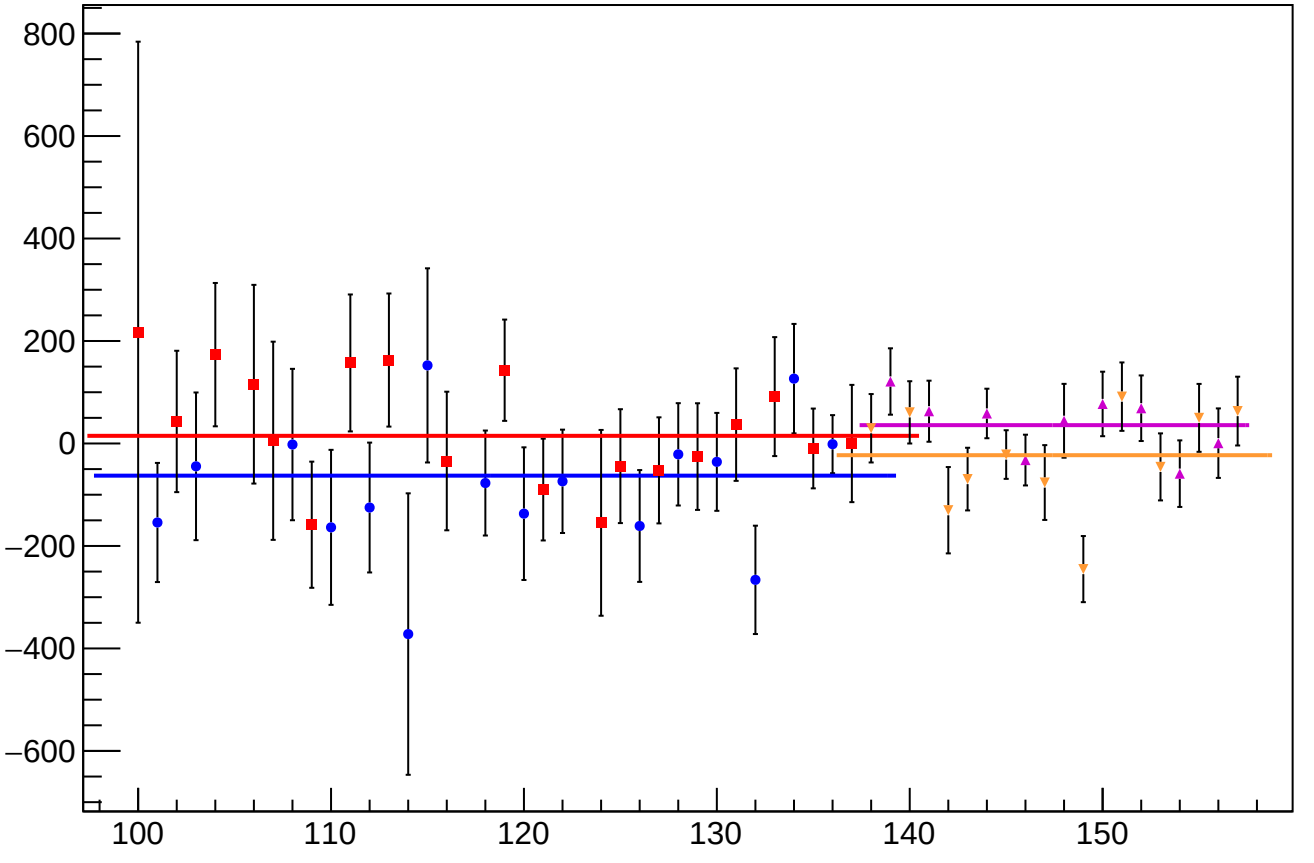
Left In: 370.433+/-0.096 χ^2/NDF:596030.9/8

+ sign 432.852+/-0.083 χ^2/NDF: 4592053.4/26

All: 435.440+/-0.060 χ^2/NDF: 9369078.4/54

- sign 438.252+/-0.087 χ^2/NDF: 4775008.2/27

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -22.869+/-19.304 χ^2/NDF:23.0/10

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

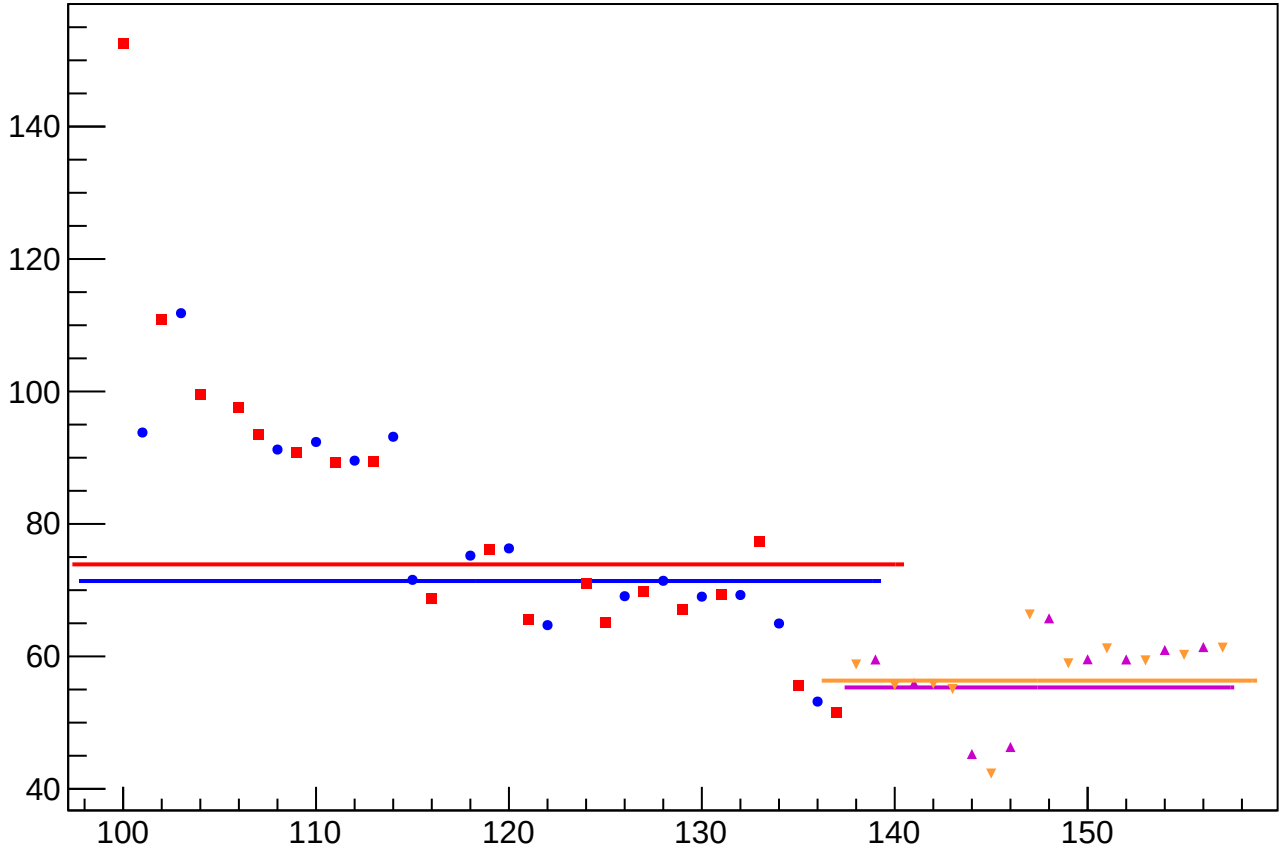
Left In: 35.771+/-20.004 χ^2/NDF:7.2/8

\+ sign -36.233+/-15.745 χ^2/NDF: 37.9/26

All: -4.780+/-11.302 χ^2/NDF: 65.1/54

\- sign 28.656+/-16.234 χ^2/NDF: 18.9/27

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 56.345+/-0.014 χ^2/NDF:252428.0/10

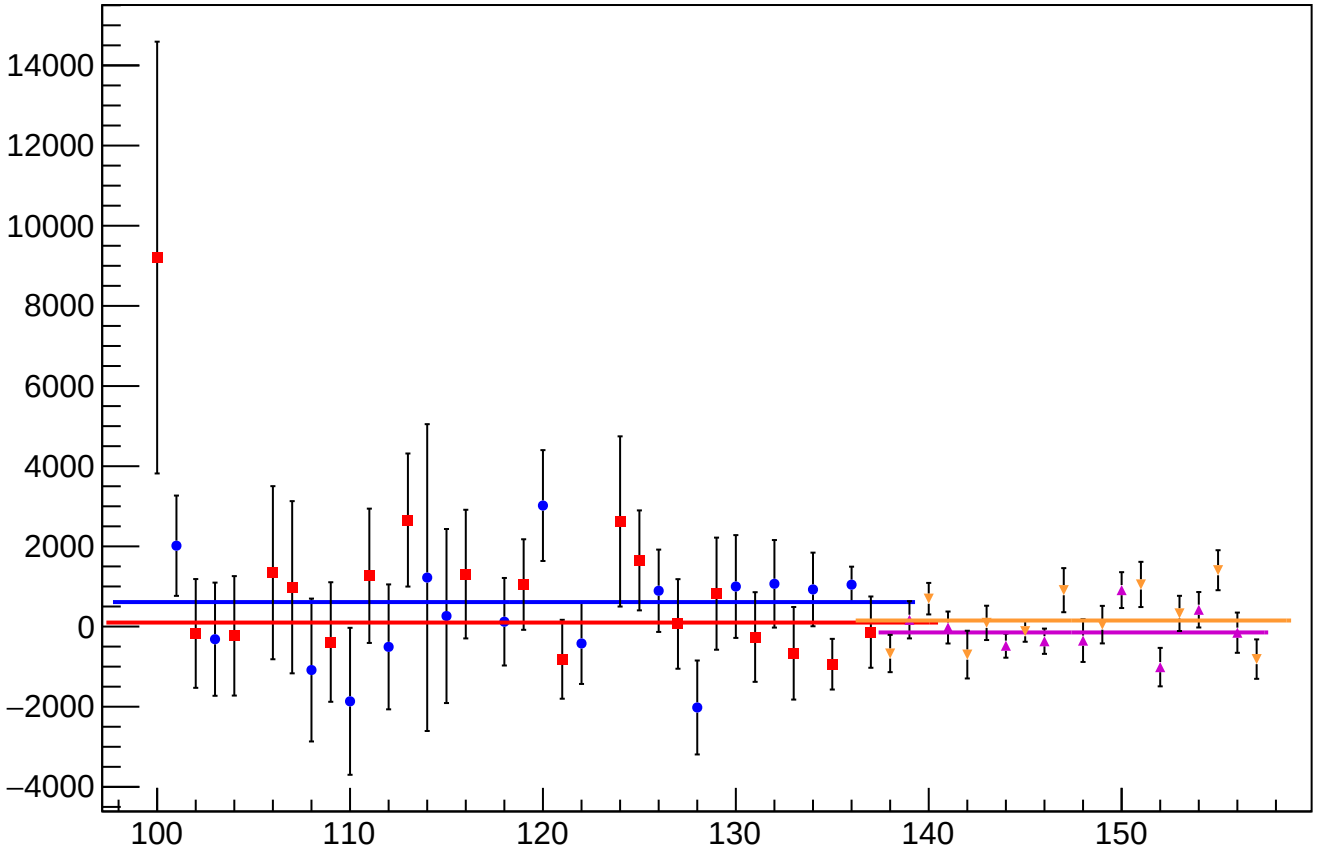
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 55.315+/-0.014 χ^2/NDF:252277.3/8

+ sign 61.379+/-0.011 χ^2/NDF: 1249615.6/26

All: 61.515+/-0.008 χ^2/NDF: 2718188.2/54

- sign 61.658+/-0.011 χ^2/NDF: 1468268.4/27



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 150.607+/-131.192 χ^2/NDF:22.9/10

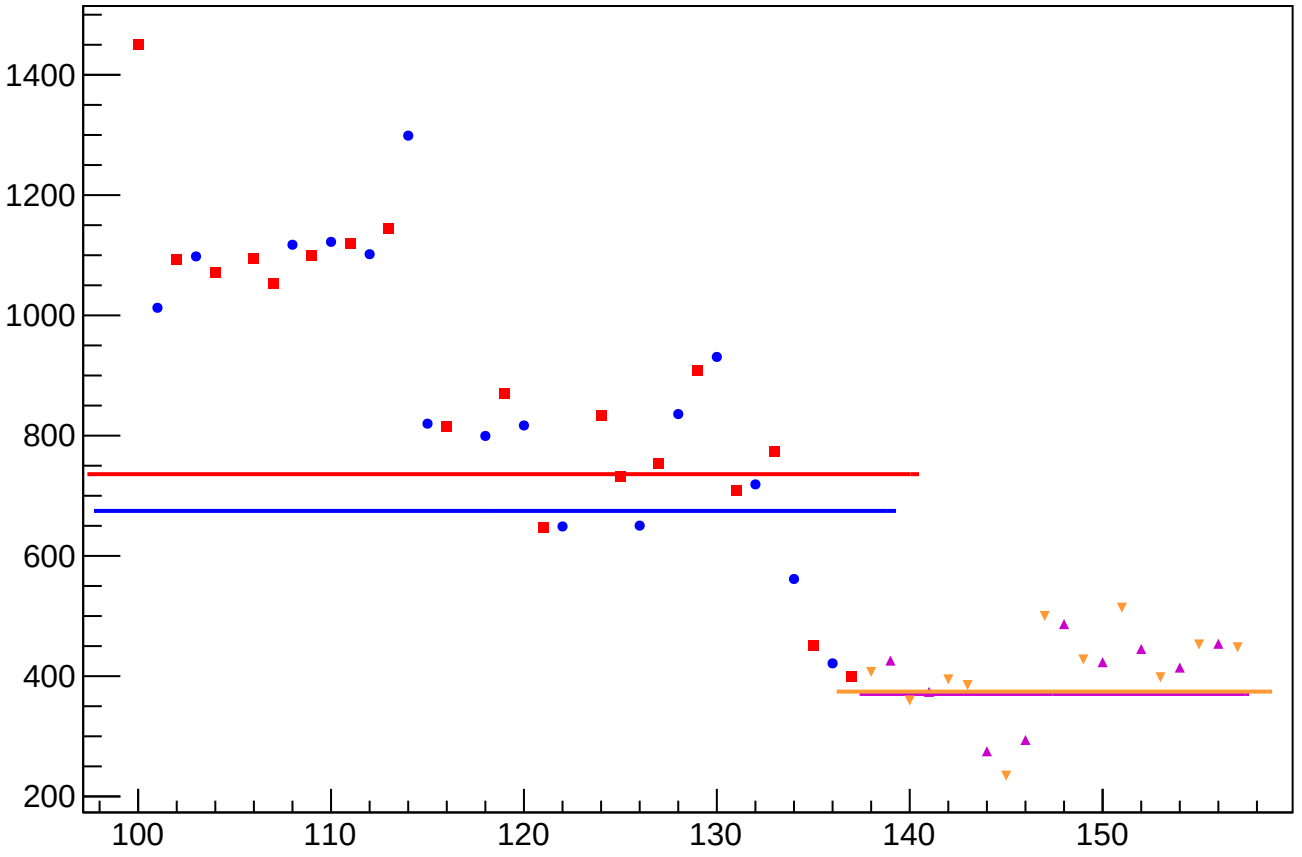
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -147.016+/-135.955 χ^2/NDF:12.9/8

+ sign 240.161+/-117.729 χ^2/NDF: 41.0/26

All: 76.498+/-84.948 χ^2/NDF: 73.6/54

- sign -101.263+/-122.695 χ^2/NDF: 28.6/27



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 374.344+/-0.093 χ^2/NDF:931506.3/10

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

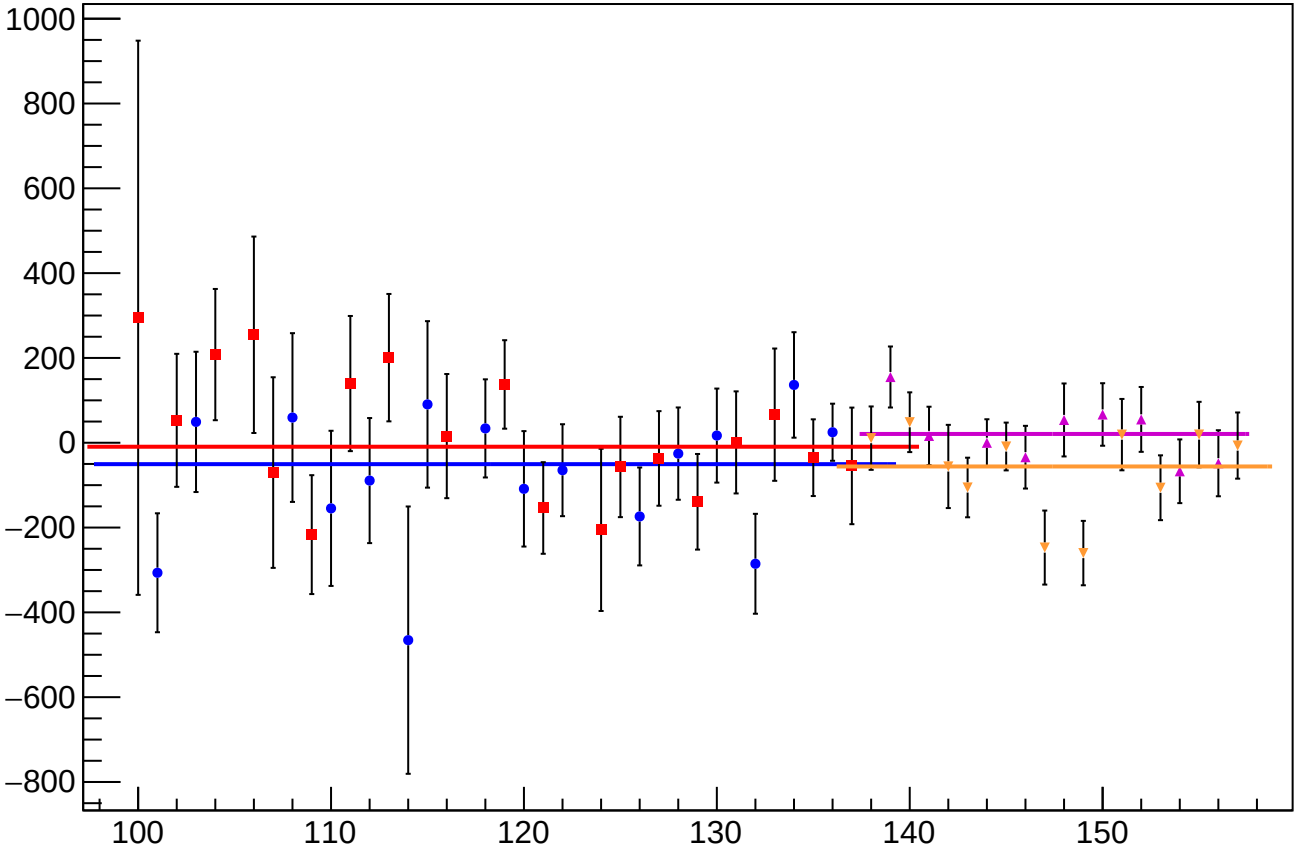
Left In: 370.433+/-0.096 χ^2/NDF:596030.9/8

+ sign 432.852+/-0.083 χ^2/NDF: 4592053.4/26

All: 435.440+/-0.060 χ^2/NDF: 9369078.4/54

- sign 438.252+/-0.087 χ^2/NDF: 4775008.2/27

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.939+/-22.641 χ^2/NDF:18.8/10

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

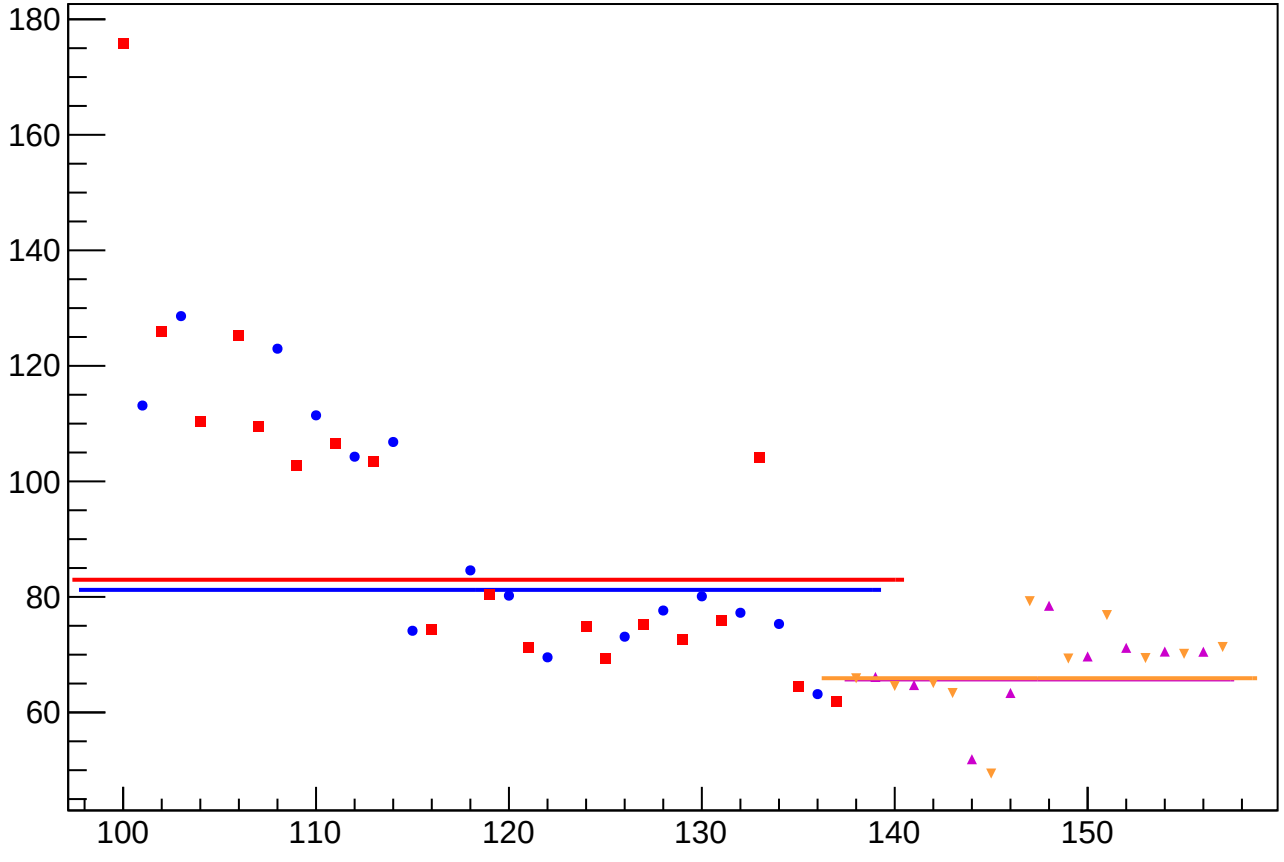
Left In: 20.731+/-23.943 χ^2/NDF:7.1/8

+ sign -54.040+/-18.296 χ^2/NDF: 35.2/26

All: -23.430+/-13.180 χ^2/NDF: 64.3/54

- sign 9.587+/-19.002 χ^2/NDF: 23.2/27

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.922+/-0.016 χ^2/NDF:279334.0/10

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

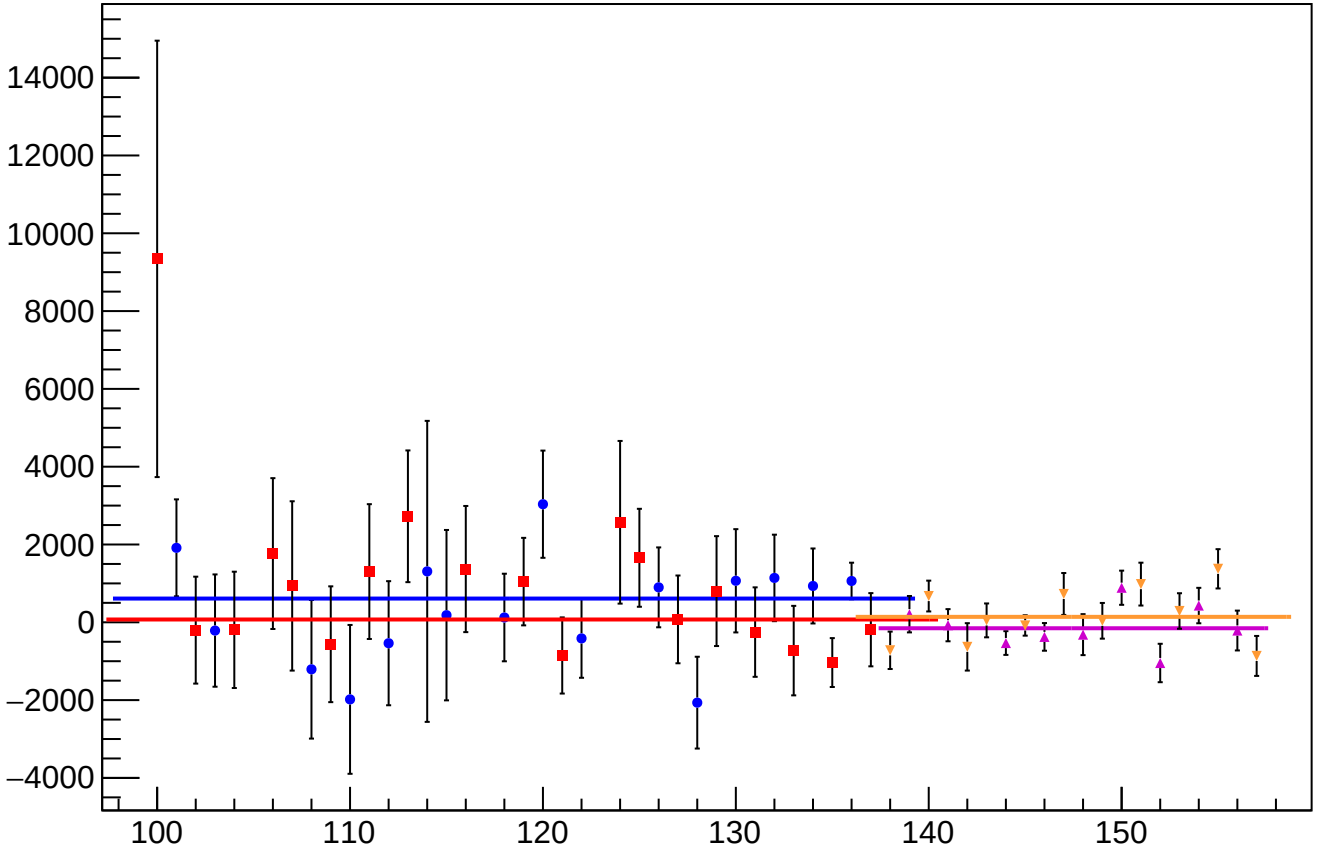
Left In: 65.709+/-0.017 χ^2/NDF:202509.8/8

+ sign 71.229+/-0.013 χ^2/NDF: 1258920.5/26

All: 71.647+/-0.009 χ^2/NDF: 2578750.0/54

- sign 72.098+/-0.013 χ^2/NDF: 1317662.1/27

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 140.156+/-132.207 χ^2/NDF:20.9/10

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

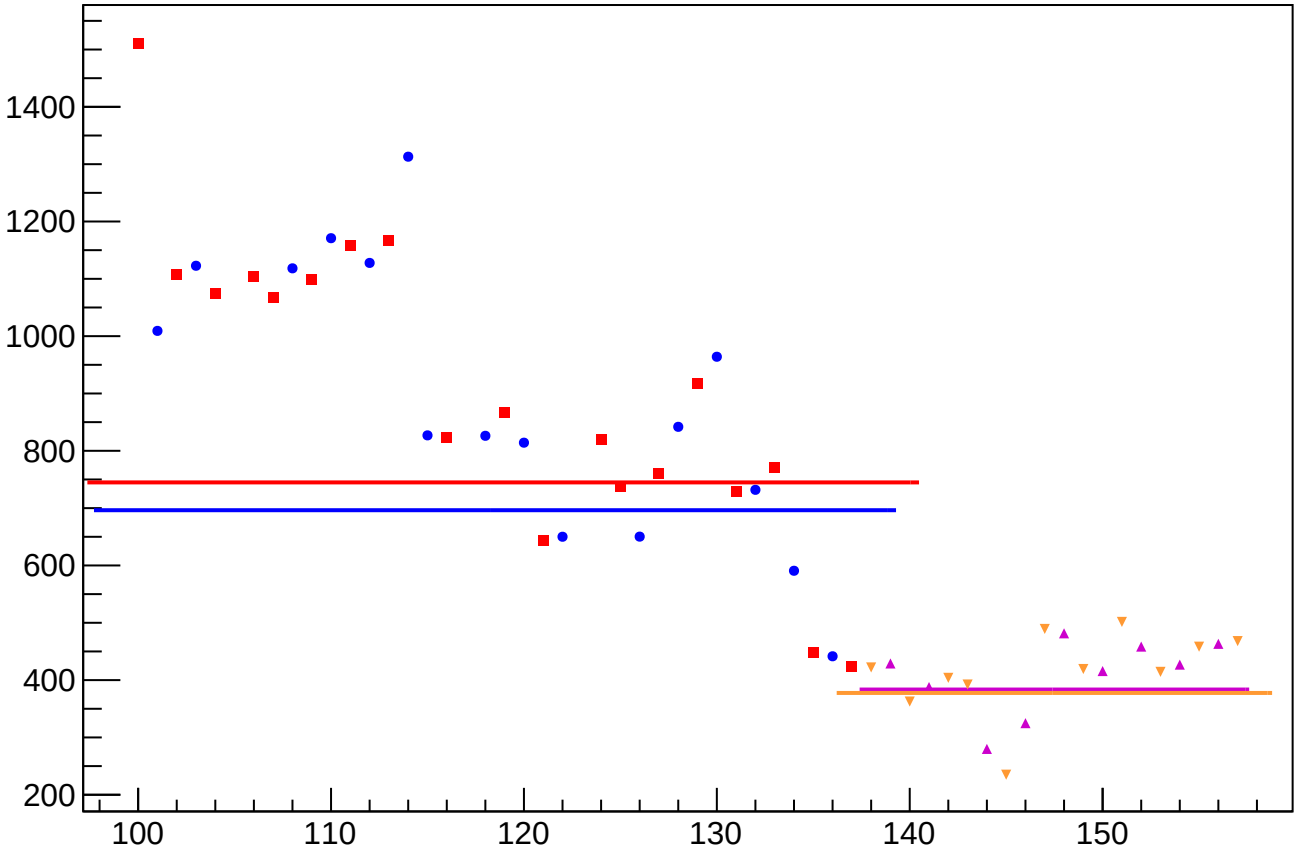
Left In: -152.789+/-140.586 χ^2/NDF:13.2/8

\+ sign 228.967+/-119.070 χ^2/NDF: 39.1/26

All: 69.763+/-86.618 χ^2/NDF: 72.7/54

\- sign -109.187+/-126.238 χ^2/NDF: 29.9/27

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 377.617+/-0.093 χ^2/NDF:946973.7/10

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

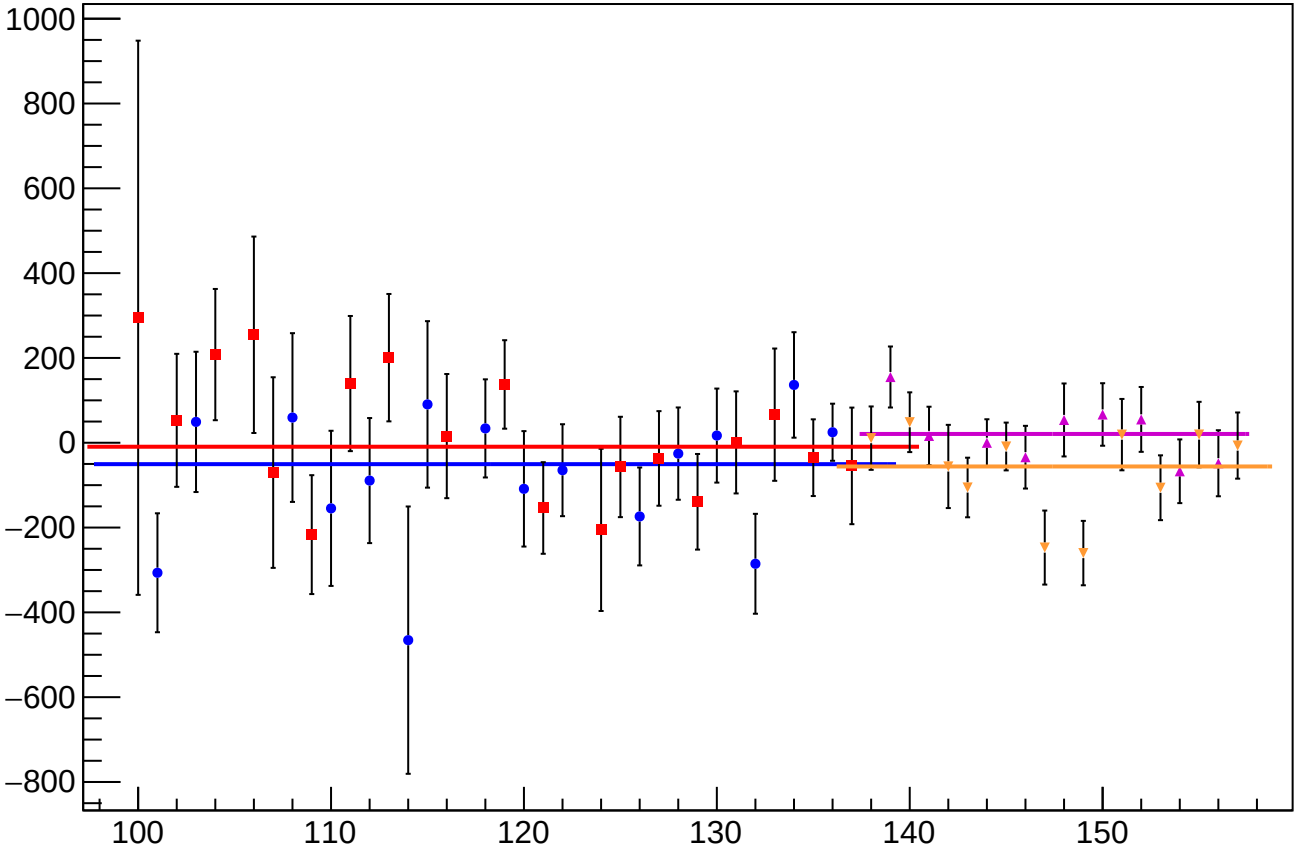
Left In: 383.550+/-0.099 χ^2/NDF:496797.0/8

+ sign 437.820+/-0.084 χ^2/NDF: 4658231.1/26

All: 445.220+/-0.061 χ^2/NDF: 9228817.3/54

- sign 453.539+/-0.089 χ^2/NDF: 4554175.8/27

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -55.938+/-22.641 χ^2/NDF:18.8/10

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

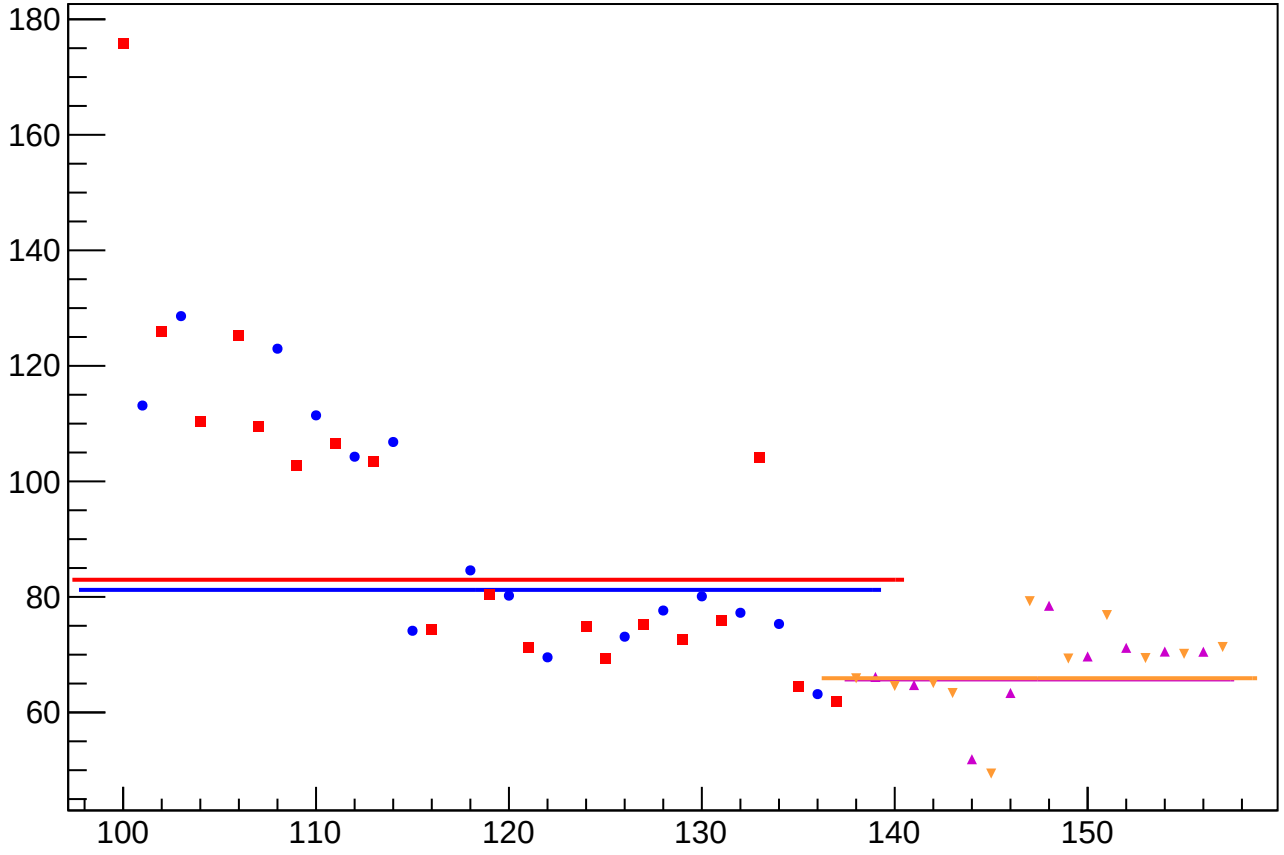
Left In: 20.731+/-23.943 χ^2/NDF:7.1/8

+ sign -54.039+/-18.296 χ^2/NDF: 35.2/26

All: -23.430+/-13.180 χ^2/NDF: 64.3/54

- sign 9.586+/-19.002 χ^2/NDF: 23.2/27

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.923+/-0.016 χ^2/NDF:279328.9/10

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

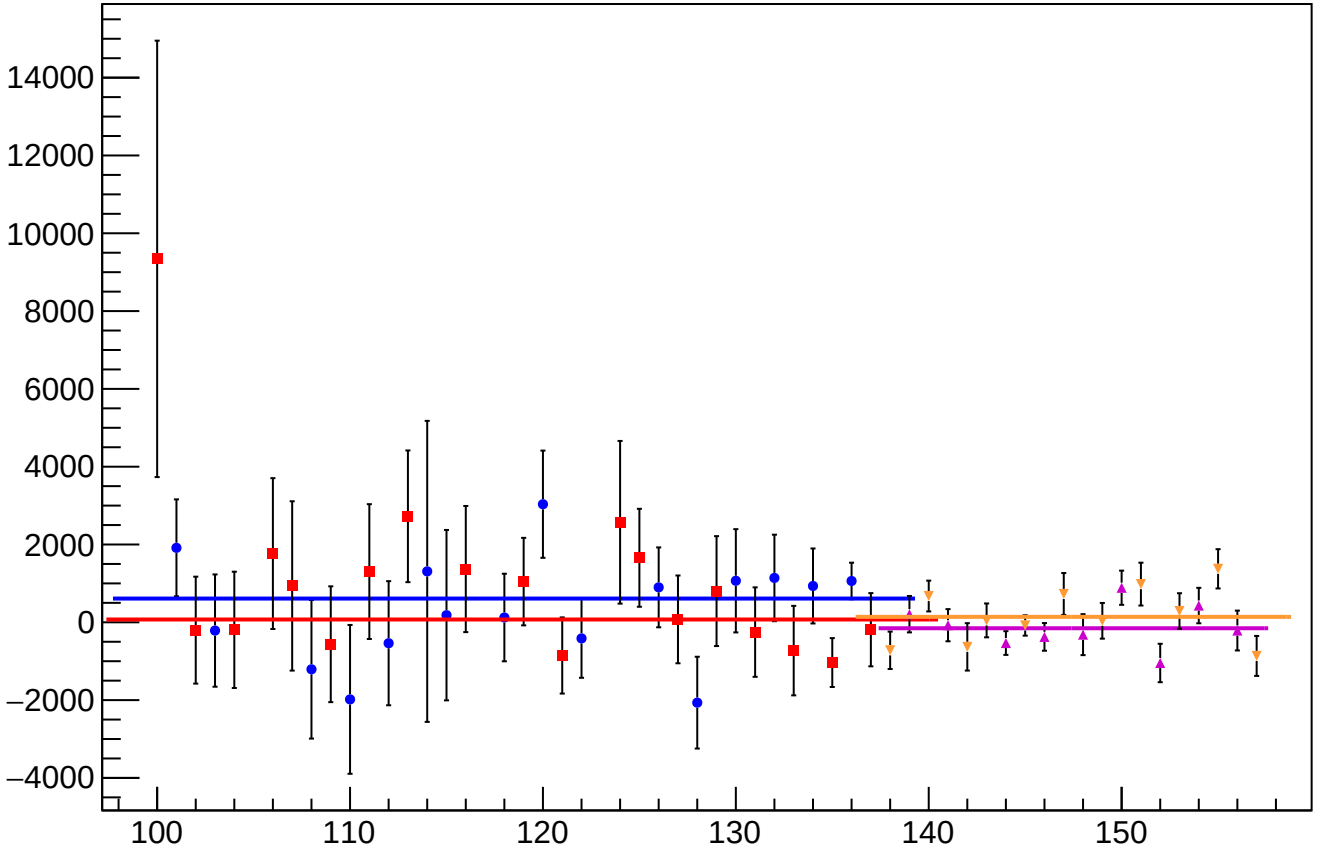
Left In: 65.709+/-0.017 χ^2/NDF:202508.0/8

+ sign 71.229+/-0.013 χ^2/NDF: 1258876.9/26

All: 71.647+/-0.009 χ^2/NDF: 2578674.0/54

- sign 72.098+/-0.013 χ^2/NDF: 1317629.6/27

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 140.157+/-132.207 χ^2/NDF:20.9/10

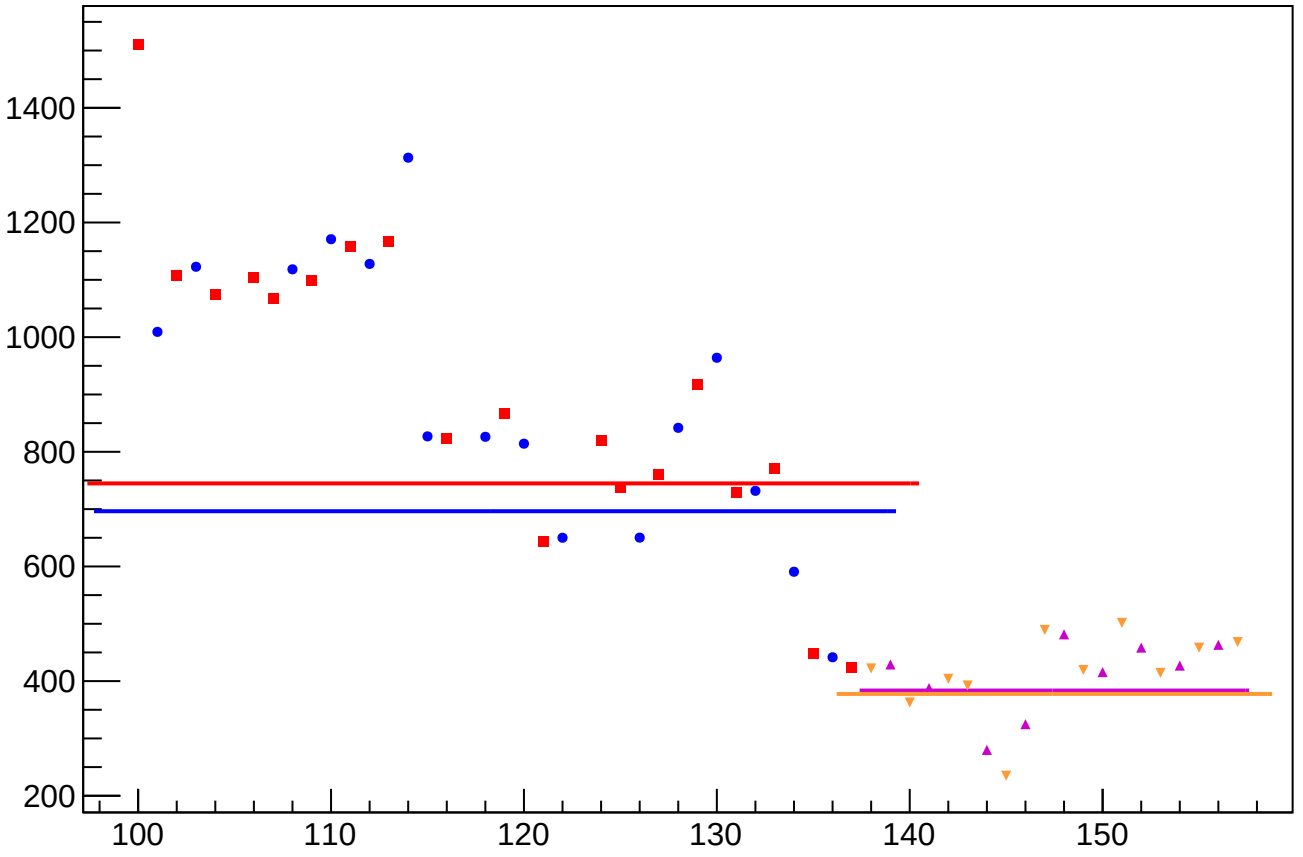
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -152.790+/-140.586 χ^2/NDF:13.2/8

+ sign 228.968+/-119.070 χ^2/NDF: 39.1/26

All: 69.763+/-86.618 χ^2/NDF: 72.7/54

- sign -109.187+/-126.238 χ^2/NDF: 29.9/27



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 377.617+/-0.093 χ^2/NDF:946994.4/10

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

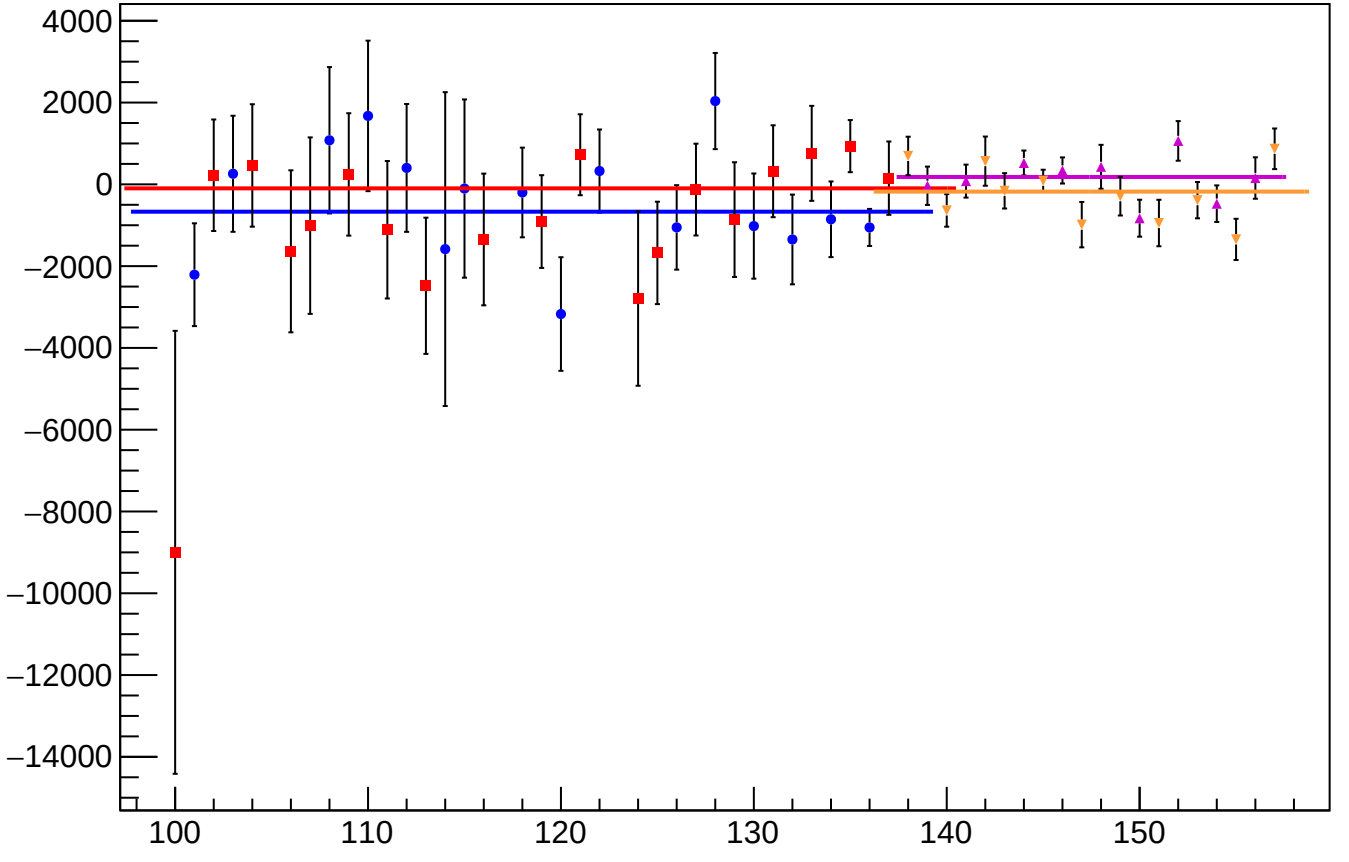
Left In: 383.550+/-0.099 χ^2/NDF:496804.7/8

+ sign 437.820+/-0.084 χ^2/NDF: 4658230.9/26

All: 445.220+/-0.061 χ^2/NDF: 9228801.8/54

- sign 453.539+/-0.089 χ^2/NDF: 4554159.9/27

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.577+/-132.715 χ^2/NDF:21.4/10

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

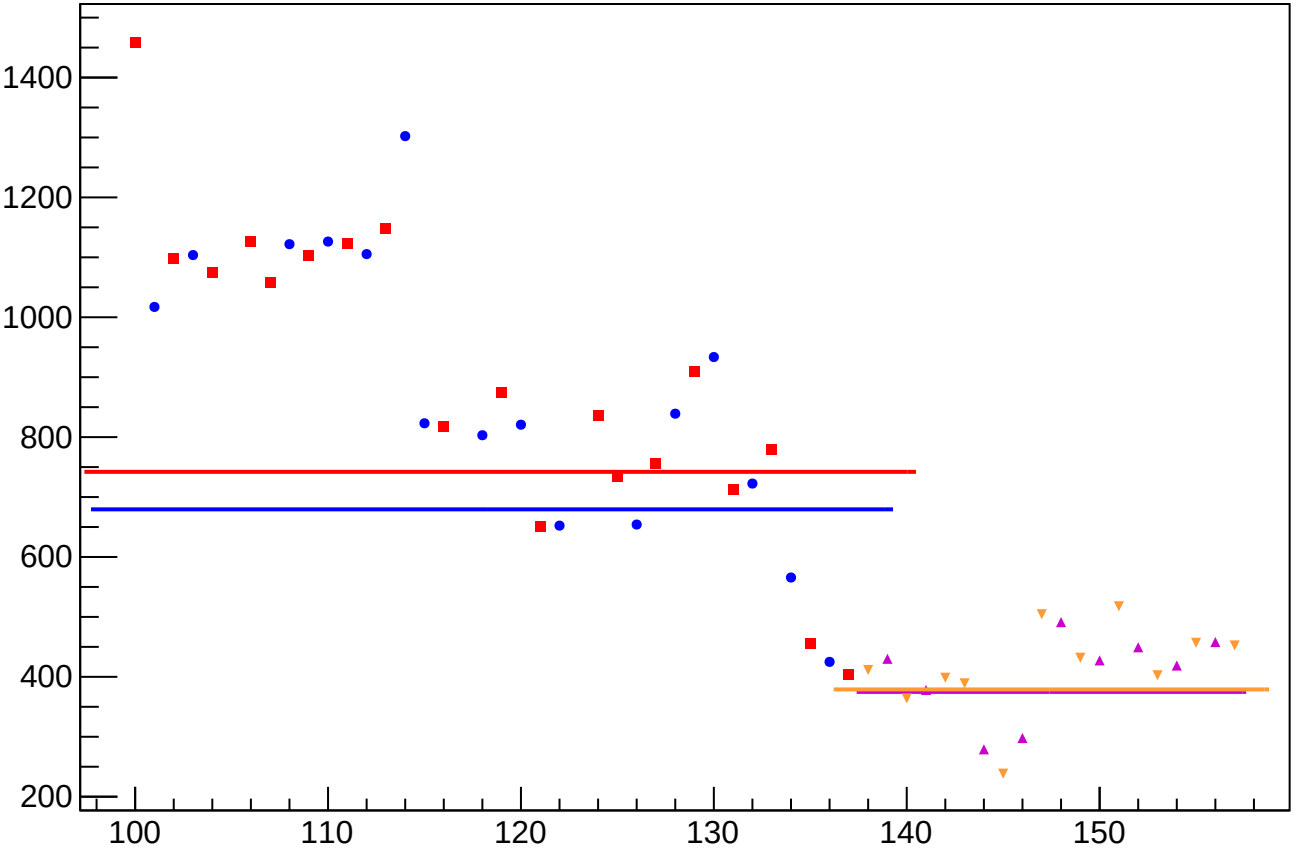
Left In: 180.280+/-137.511 χ^2/NDF:12.4/8

+ sign -273.995+/-118.971 χ^2/NDF: 40.2/26

All: -81.190+/-85.821 χ^2/NDF: 73.7/54

- sign 127.992+/-123.920 χ^2/NDF: 28.0/27

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 378.982+/-0.094 χ^2/NDF:909447.3/10

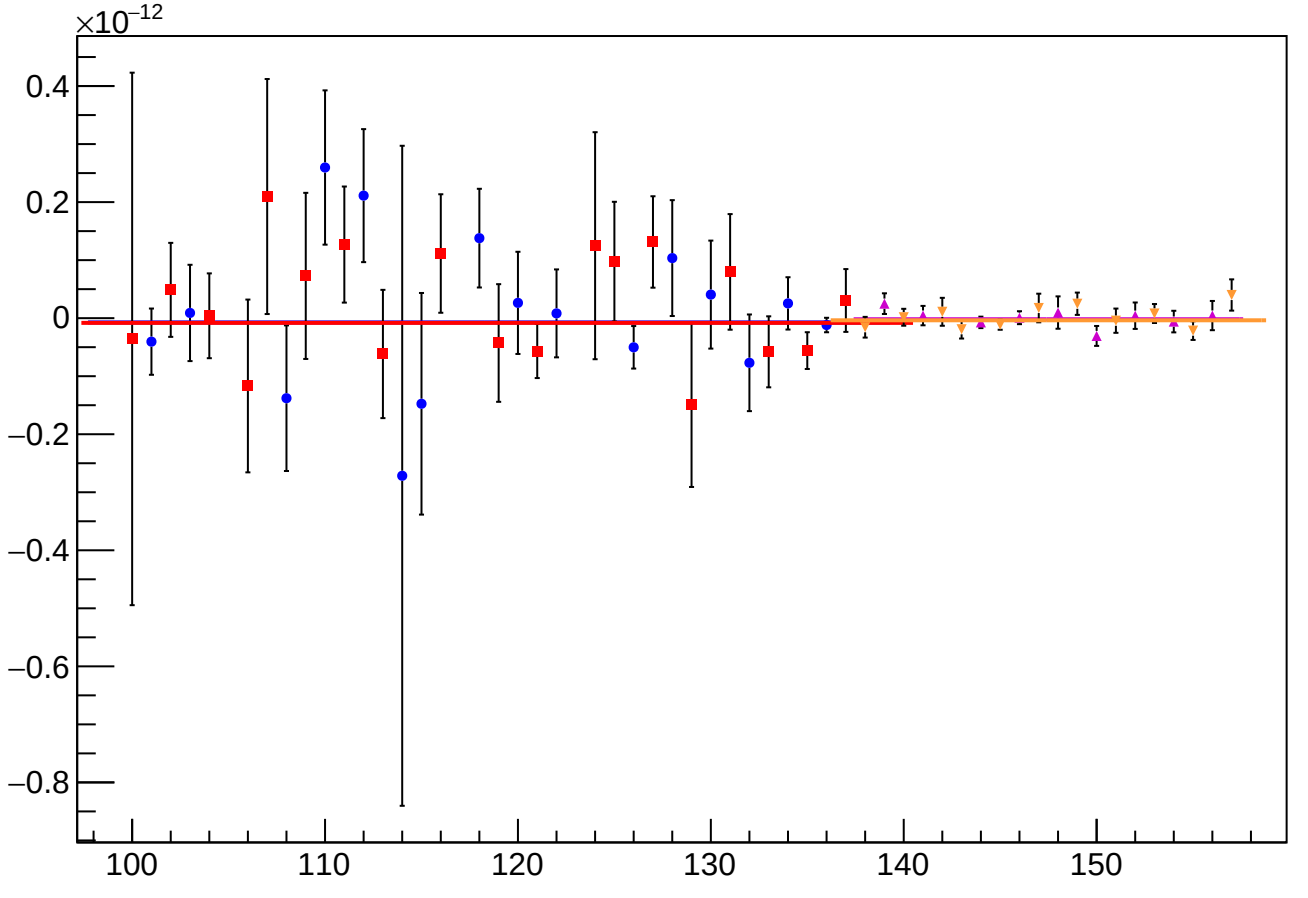
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 374.862+/-0.097 χ^2/NDF:584820.4/8

+ sign 437.998+/-0.084 χ^2/NDF: 4524022.7/26

All: 440.810+/-0.061 χ^2/NDF: 9295466.0/54

- sign 443.860+/-0.088 χ^2/NDF: 4769114.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/10

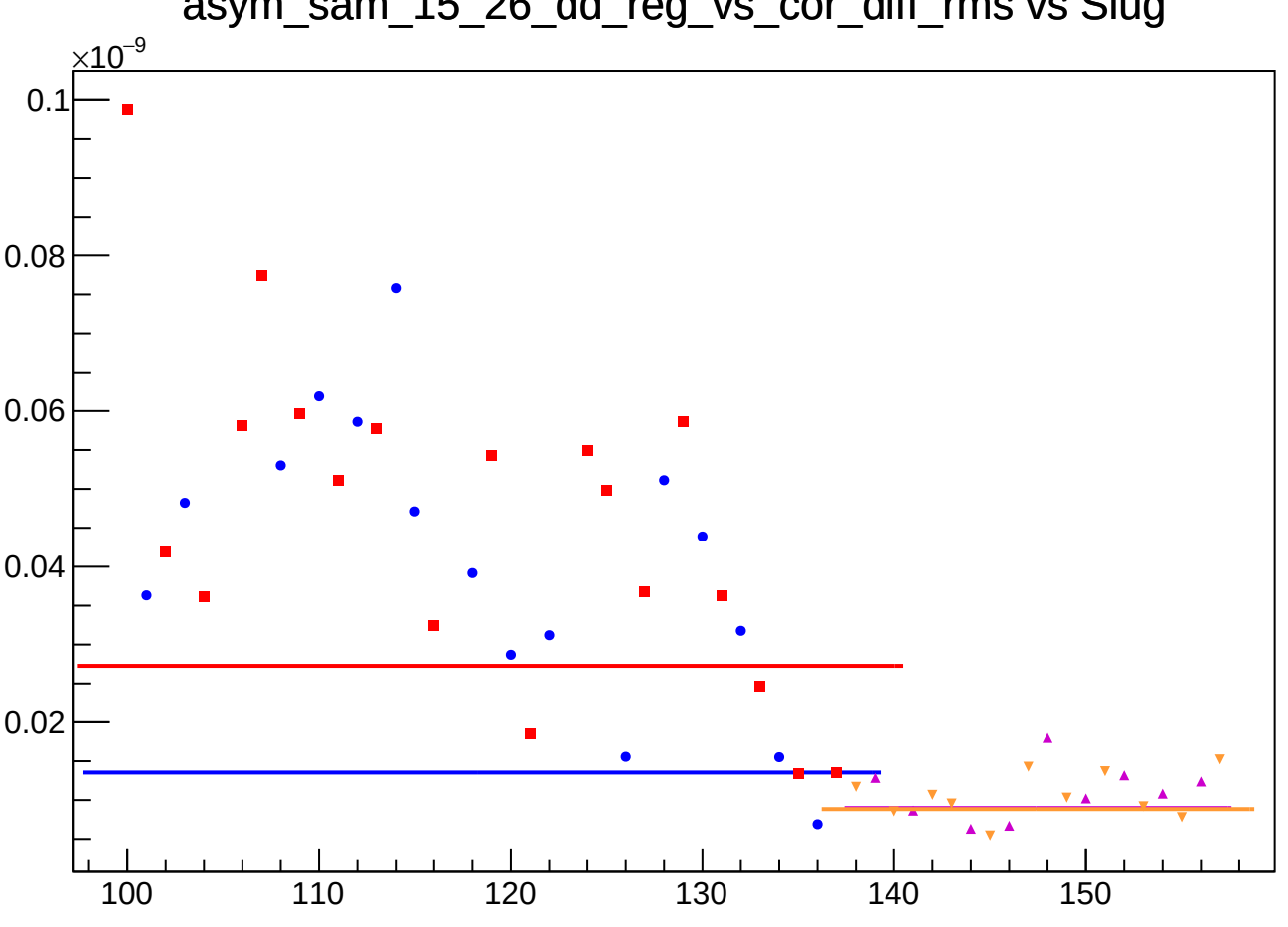
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/26

All: -0.000+/-0.000 χ^2/NDF: 50.4/54

- sign -0.000+/-0.000 χ^2/NDF: 23.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:705461.0/10

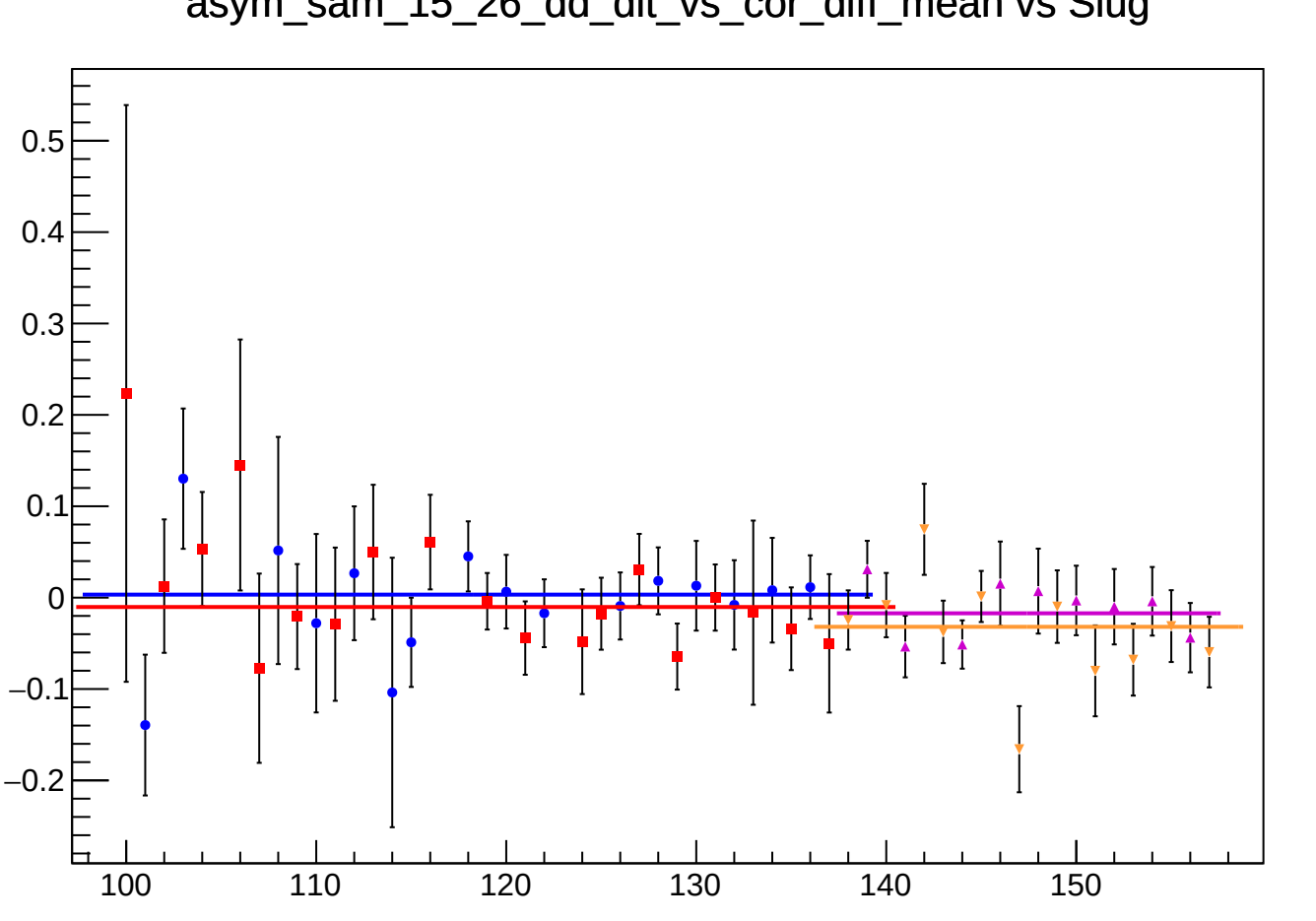
Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:669870.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 4083507.8/26

All: 0.000+/-0.000 χ^2/NDF: 8562482.0/54

- sign 0.000+/-0.000 χ^2/NDF: 4447412.0/27



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

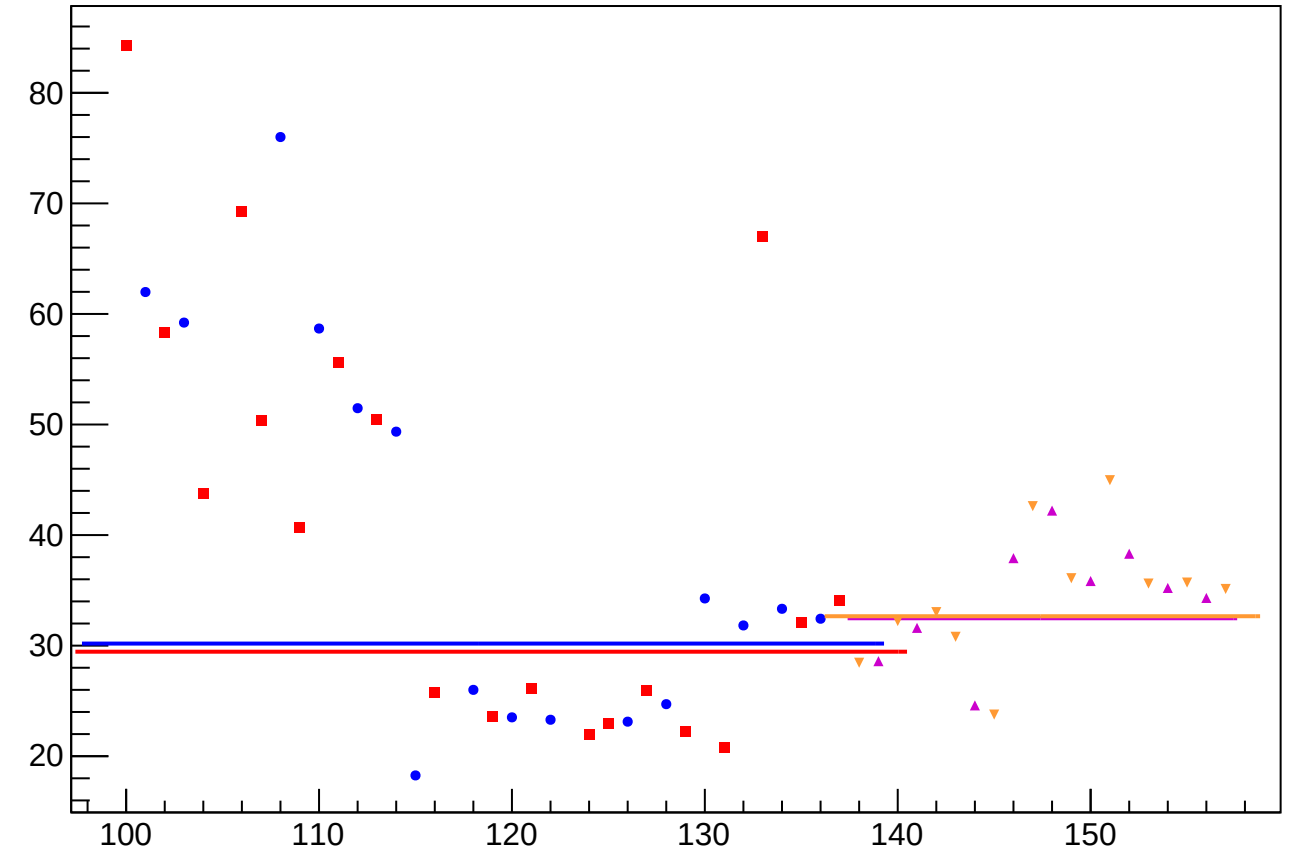
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.017+/-0.012 χ^2/NDF:6.8/8

+ sign -0.016+/-0.008 χ^2/NDF: 31.8/26

All: -0.015+/-0.006 χ^2/NDF: 50.0/54

- sign -0.014+/-0.008 χ^2/NDF: 18.2/27



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.659+/-0.008 χ^2/NDF:500527.6/10

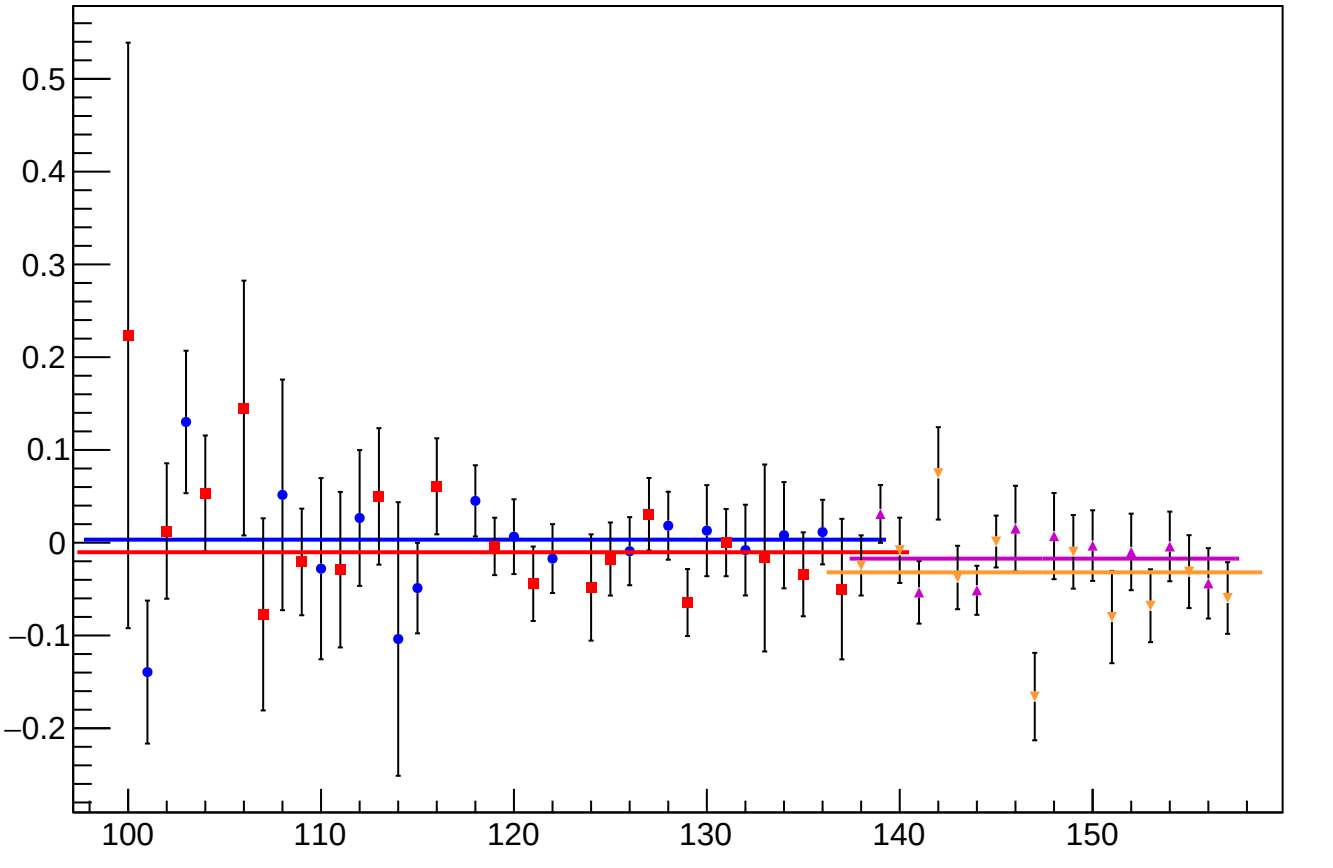
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.476+/-0.008 χ^2/NDF:396806.8/8

+ sign 31.520+/-0.006 χ^2/NDF: 2231601.7/26

All: 31.233+/-0.004 χ^2/NDF: 4546368.7/54

- sign 30.942+/-0.006 χ^2/NDF: 2310006.7/27



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

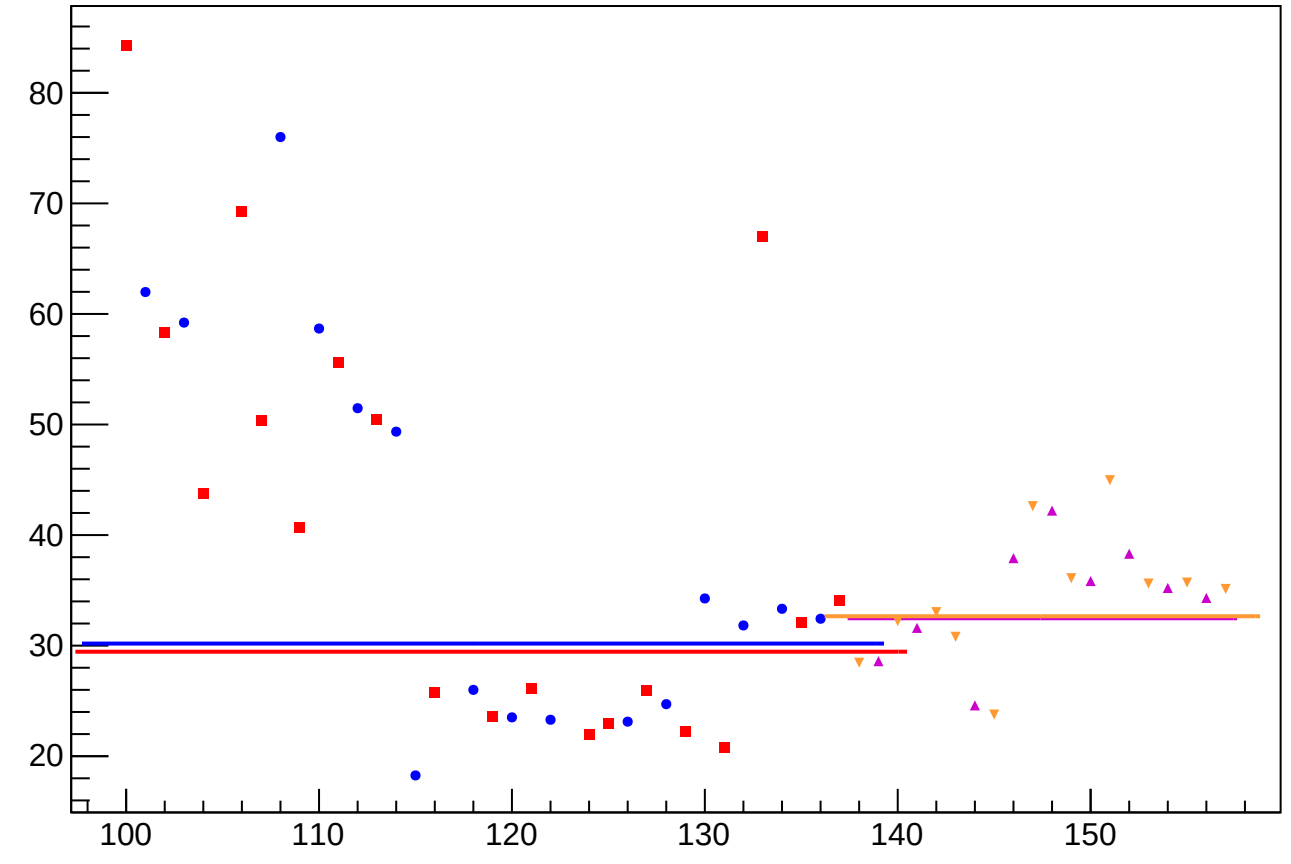
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.017+/-0.012 χ^2/NDF:6.8/8

+ sign -0.016+/-0.008 χ^2/NDF: 31.8/26

All: -0.015+/-0.006 χ^2/NDF: 50.0/54

- sign -0.014+/-0.008 χ^2/NDF: 18.2/27



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.659+/-0.008 χ^2/NDF:500527.6/10

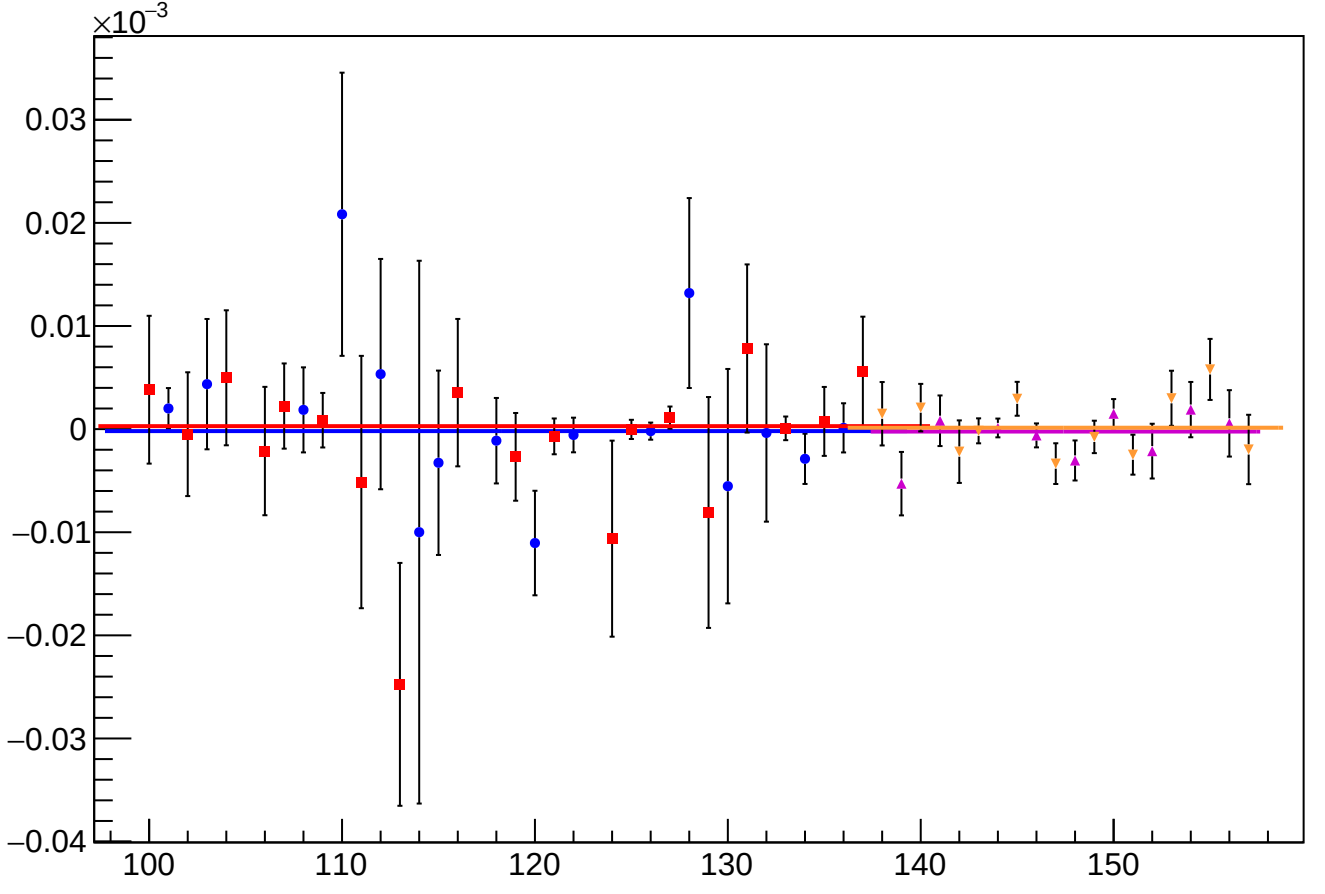
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.476+/-0.008 χ^2/NDF:396806.8/8

+ sign 31.520+/-0.006 χ^2/NDF: 2231601.7/26

All: 31.233+/-0.004 χ^2/NDF: 4546368.7/54

- sign 30.942+/-0.006 χ^2/NDF: 2310006.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/10

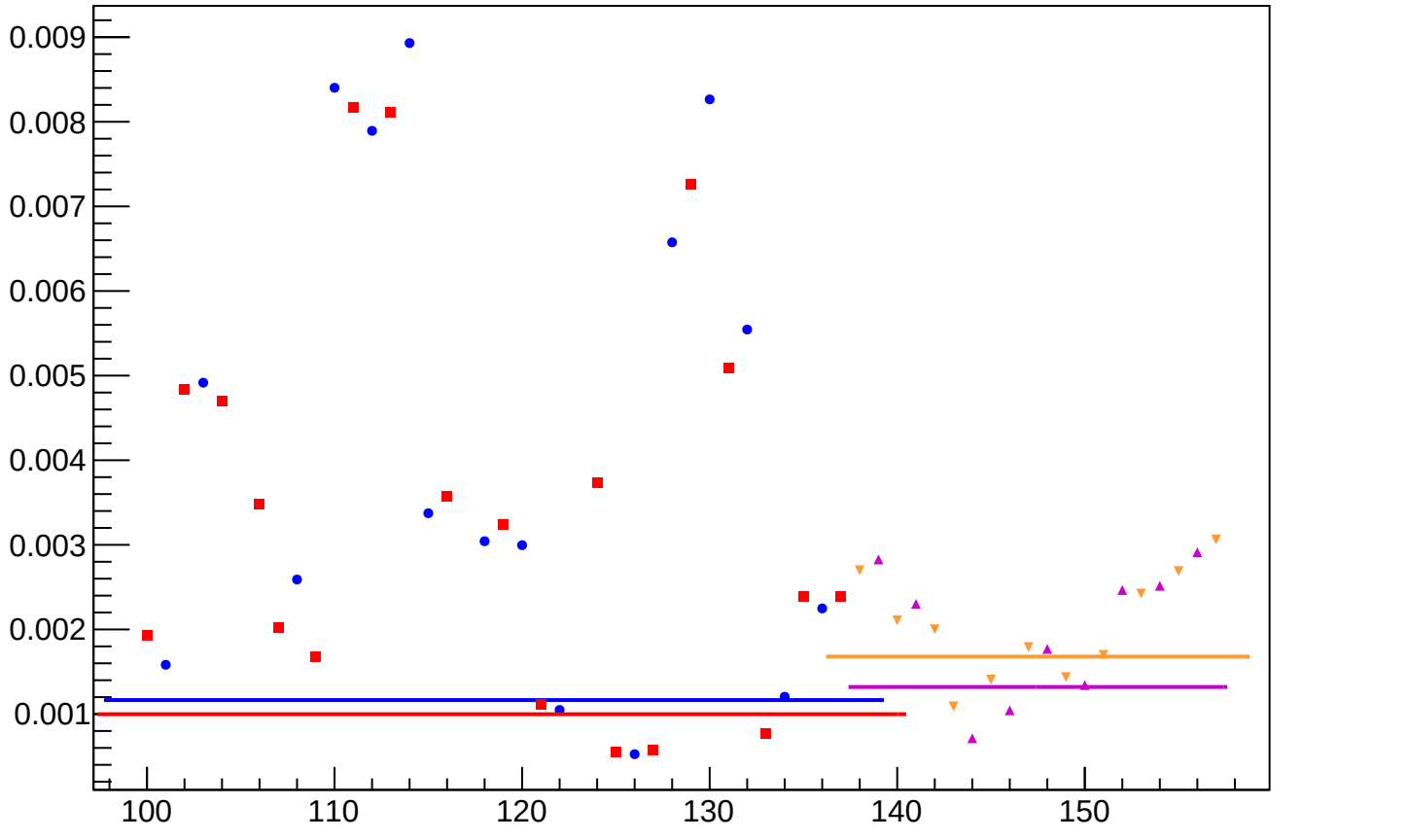
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/26

All: 0.000+/-0.000 χ^2/NDF: 48.0/54

- sign 0.000+/-0.000 χ^2/NDF: 19.8/27



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1619236.9/10

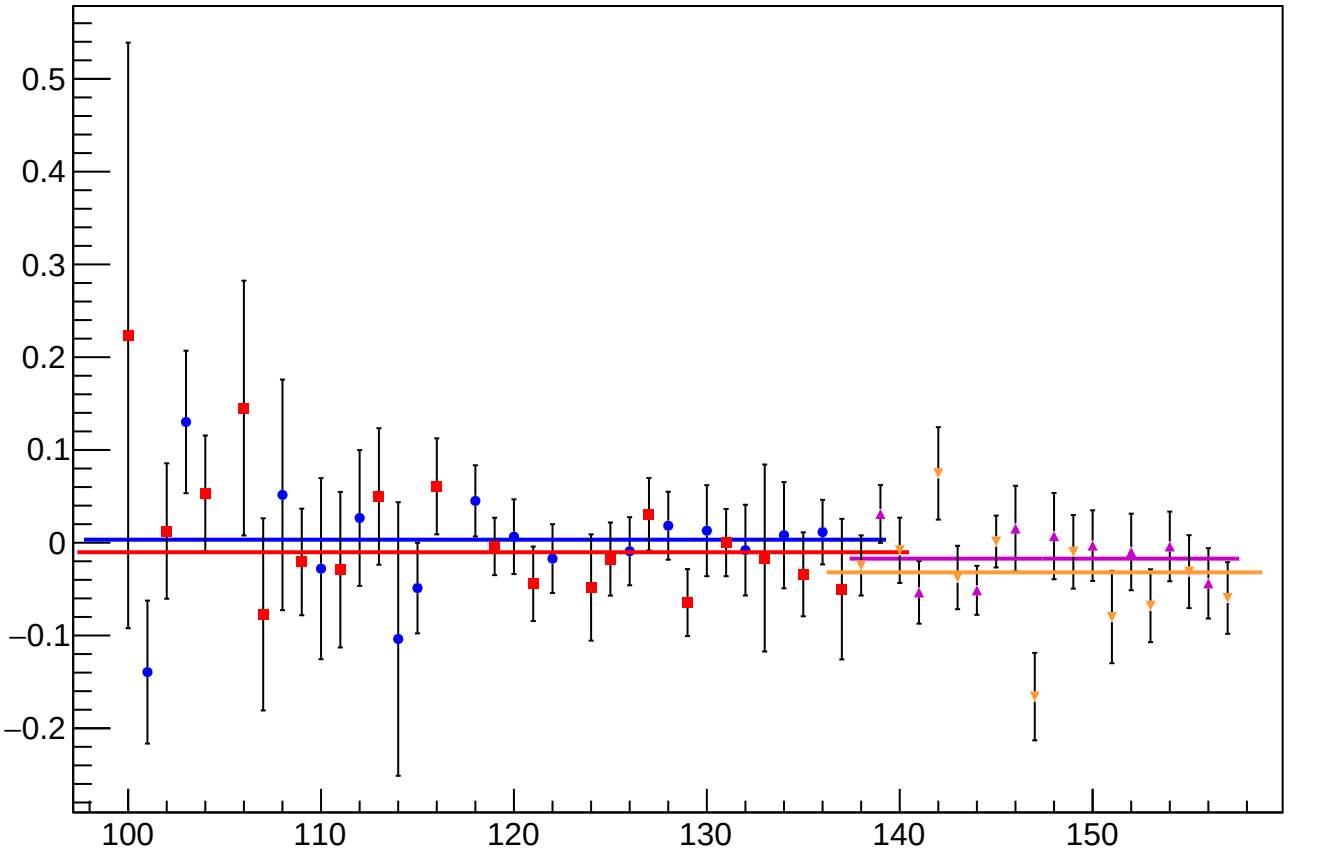
Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3166208.1/8

\+ sign 0.001+/-0.000 χ^2/NDF: 9210663.9/26

All: 0.001+/-0.000 χ^2/NDF: 20133196.3/54

\- sign 0.001+/-0.000 χ^2/NDF: 10466282.4/27



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.032+/-0.011 χ^2/NDF:17.2/10

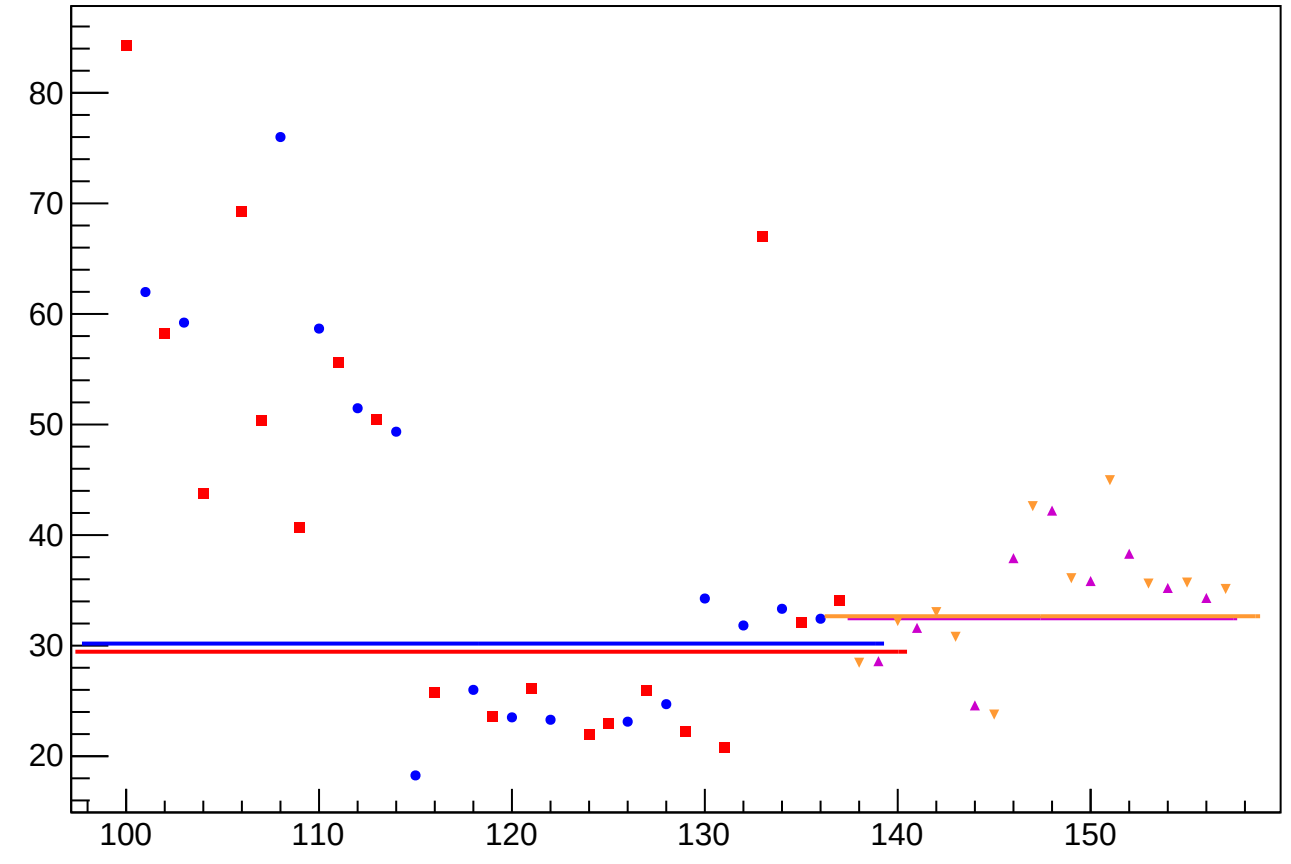
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.017+/-0.012 χ^2/NDF:6.8/8

+ sign -0.016+/-0.008 χ^2/NDF: 31.8/26

All: -0.015+/-0.006 χ^2/NDF: 50.0/54

- sign -0.014+/-0.008 χ^2/NDF: 18.2/27



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.660+/-0.008 χ^2/NDF:500491.7/10

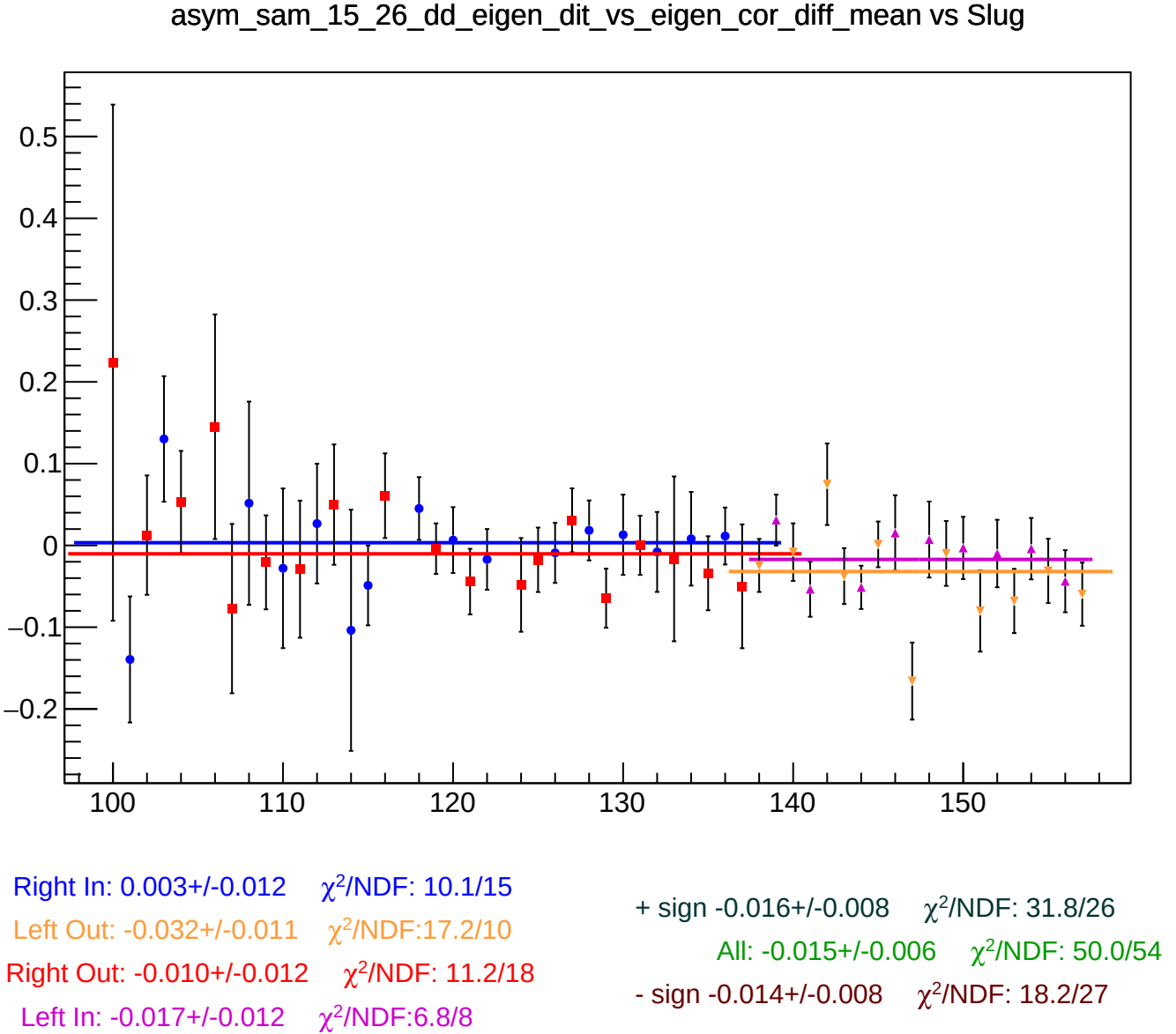
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

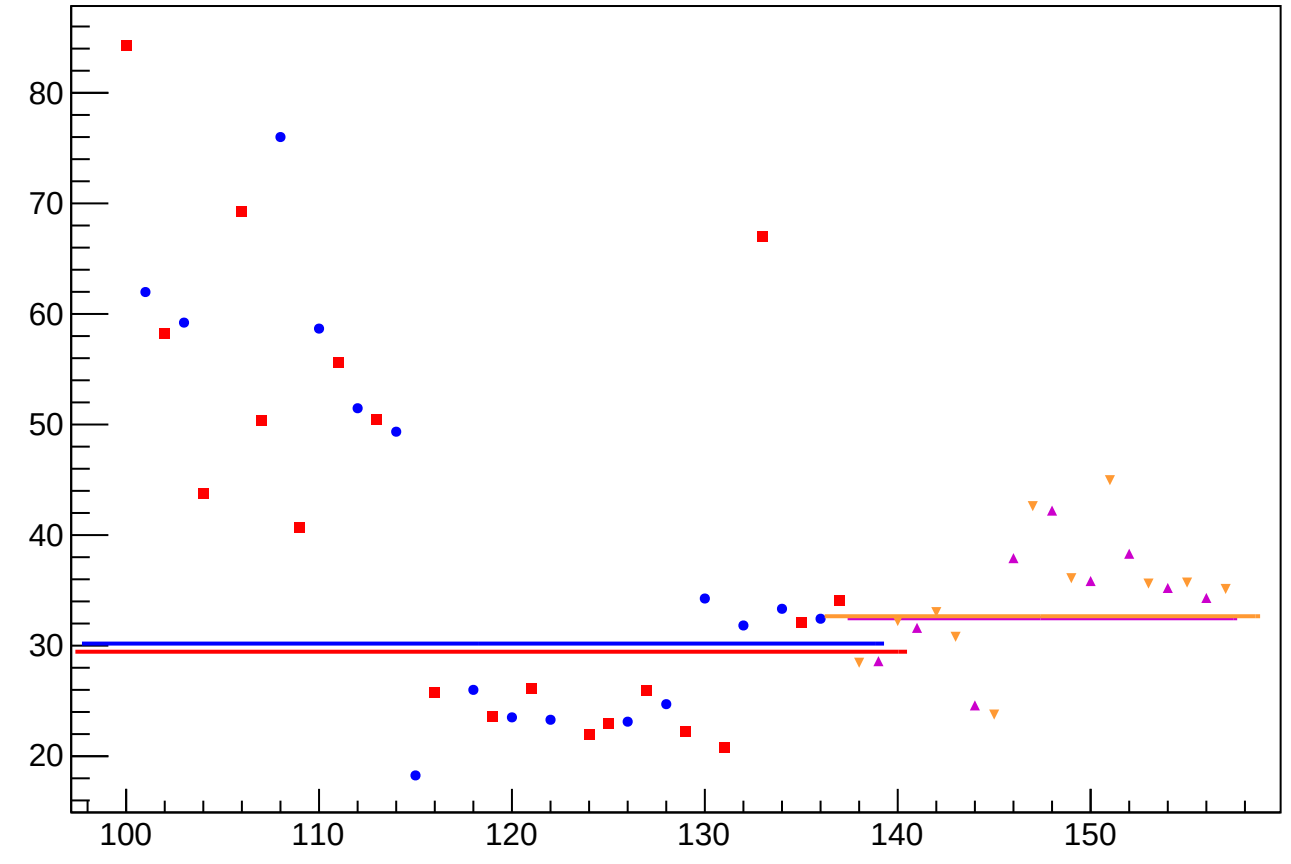
Left In: 32.476+/-0.008 χ^2/NDF:396791.4/8

+ sign 31.520+/-0.006 χ^2/NDF: 2231392.5/26

All: 31.233+/-0.004 χ^2/NDF: 4546185.4/54

- sign 30.941+/-0.006 χ^2/NDF: 2310026.2/27


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.032+/-0.011 χ²/NDF:17.2/10
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.017+/-0.012 χ²/NDF:6.8/8
+ sign -0.016+/-0.008 χ²/NDF: 31.8/26
All: -0.015+/-0.006 χ²/NDF: 50.0/54
- sign -0.014+/-0.008 χ²/NDF: 18.2/27



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.660+/-0.008 χ^2/NDF:500491.7/10

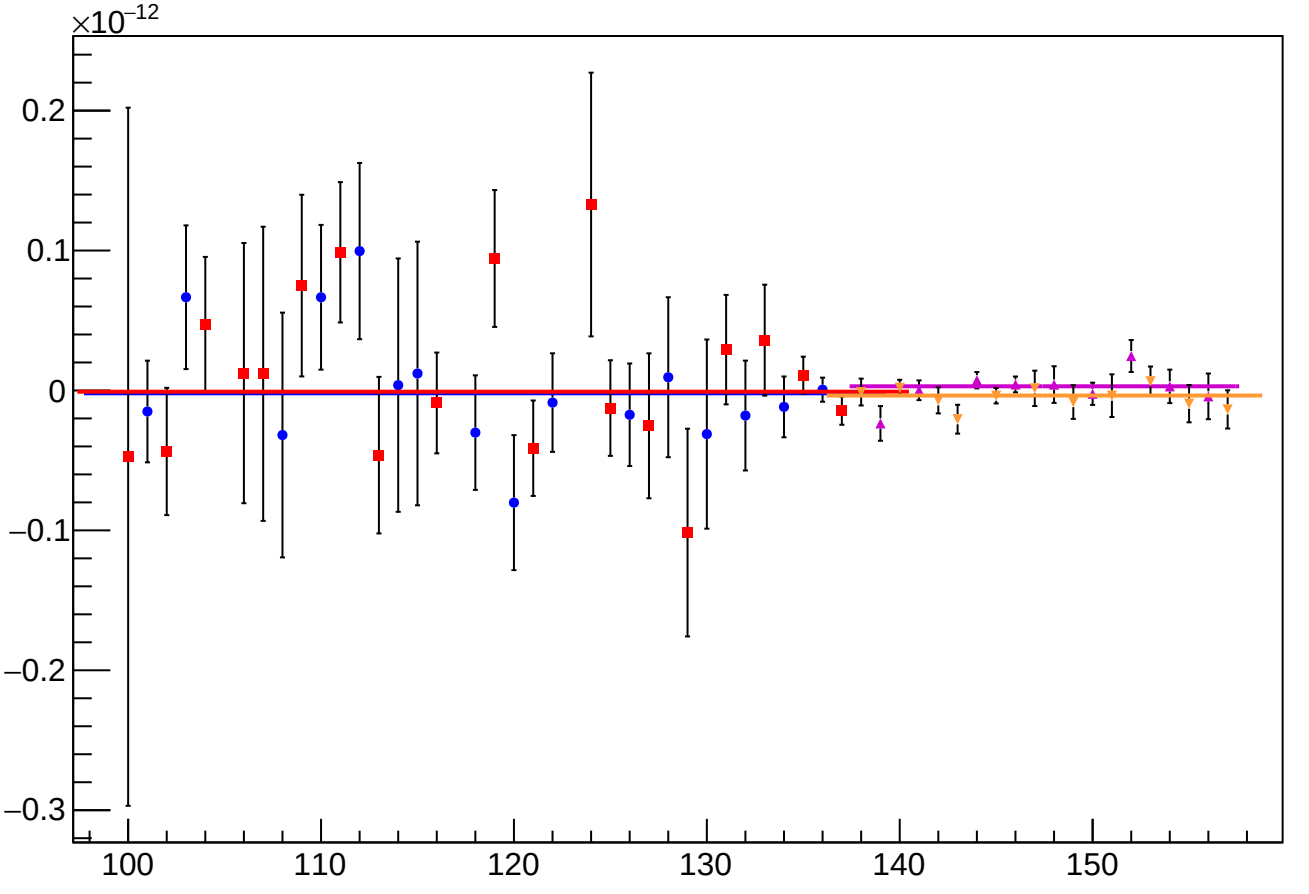
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 32.476+/-0.008 χ^2/NDF:396791.4/8

+ sign 31.520+/-0.006 χ^2/NDF: 2231392.5/26

All: 31.233+/-0.004 χ^2/NDF: 4546185.4/54

- sign 30.941+/-0.006 χ^2/NDF: 2310026.2/27



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/10

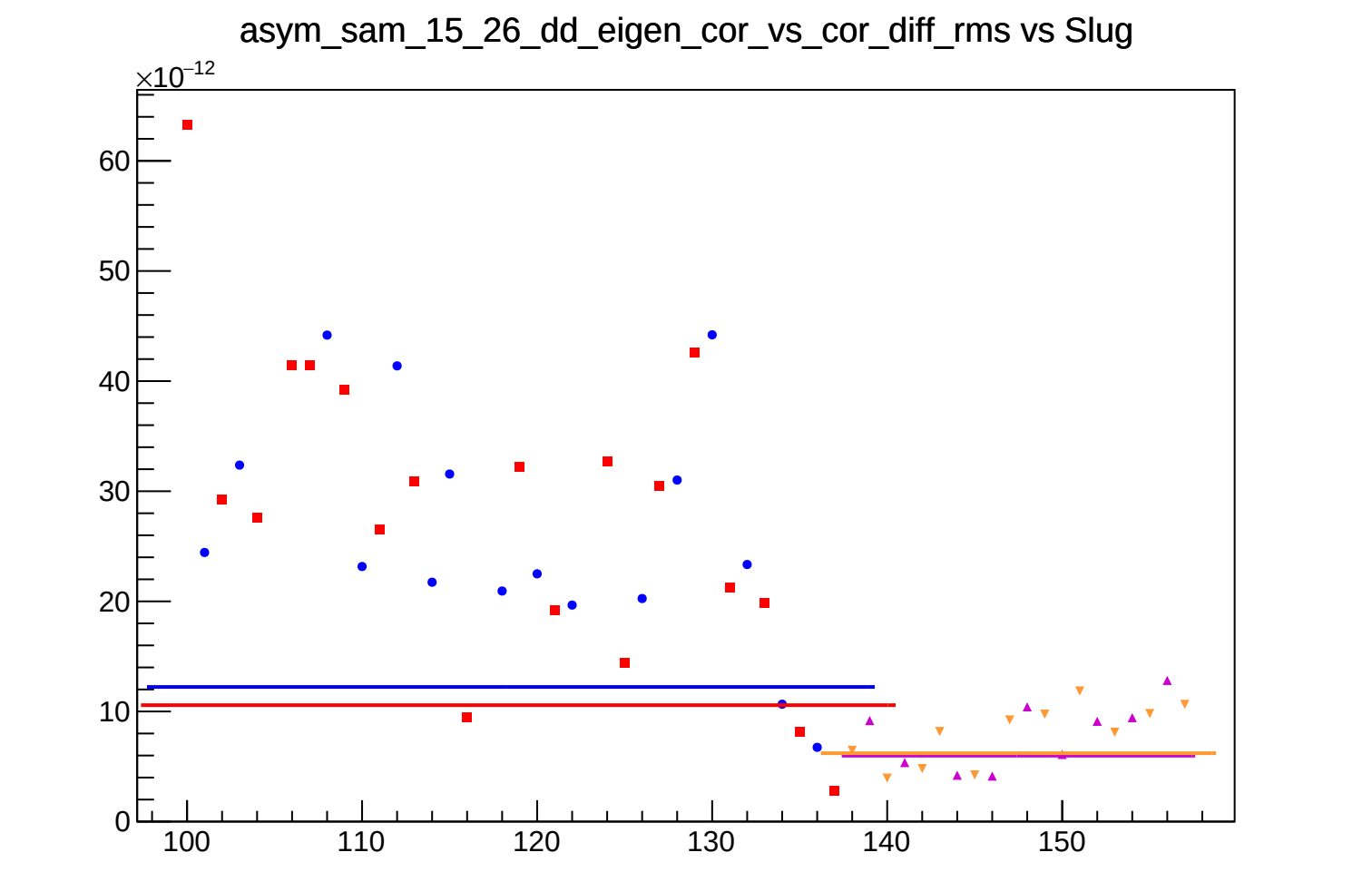
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/8

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/26

All: -0.000+/-0.000 χ^2/NDF: 50.1/54

- sign 0.000+/-0.000 χ^2/NDF: 31.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1672636.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

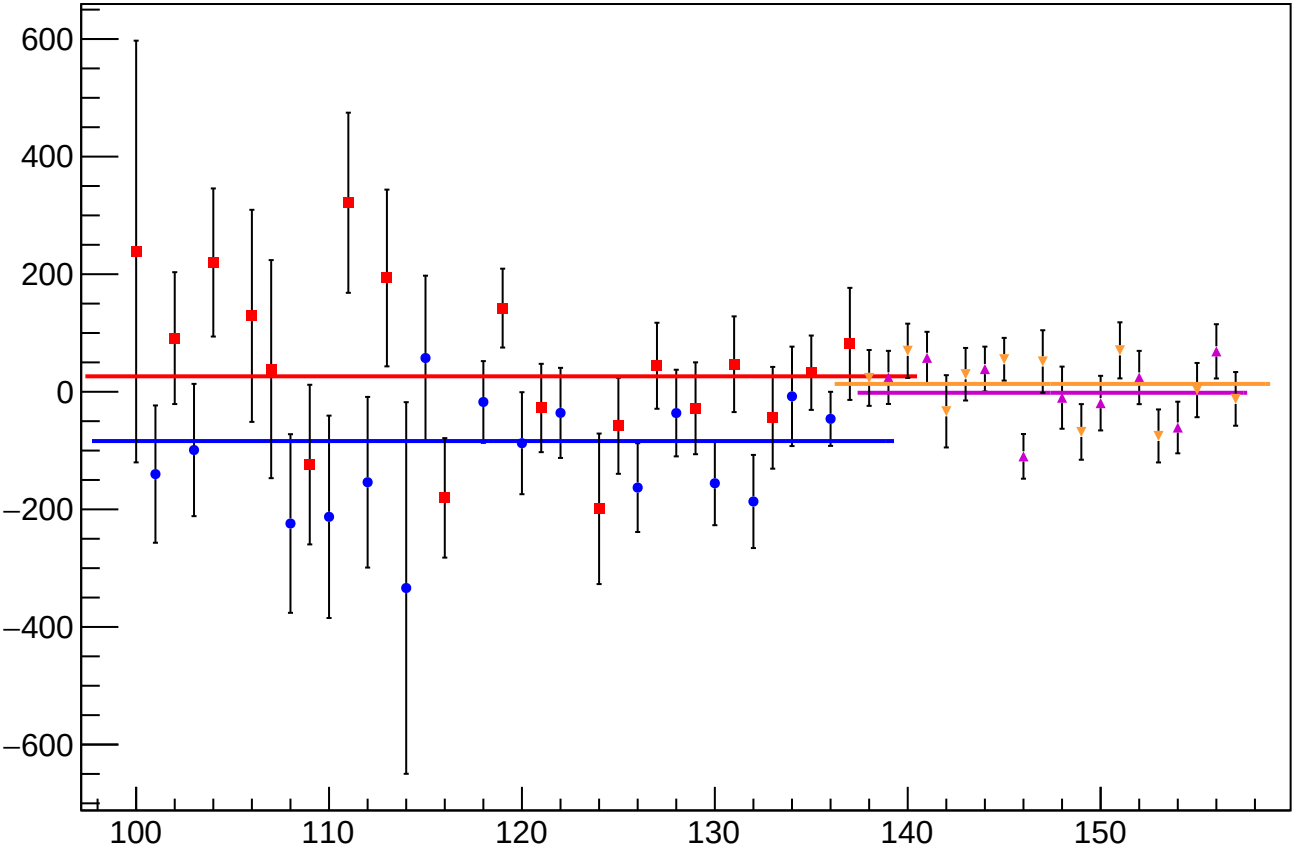
Left In: 0.000+/-0.000 χ^2/NDF:1443070.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 6449494.1/26

All: 0.000+/-0.000 χ^2/NDF: 13489675.7/54

- sign 0.000+/-0.000 χ^2/NDF: 7018964.3/27

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.406+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

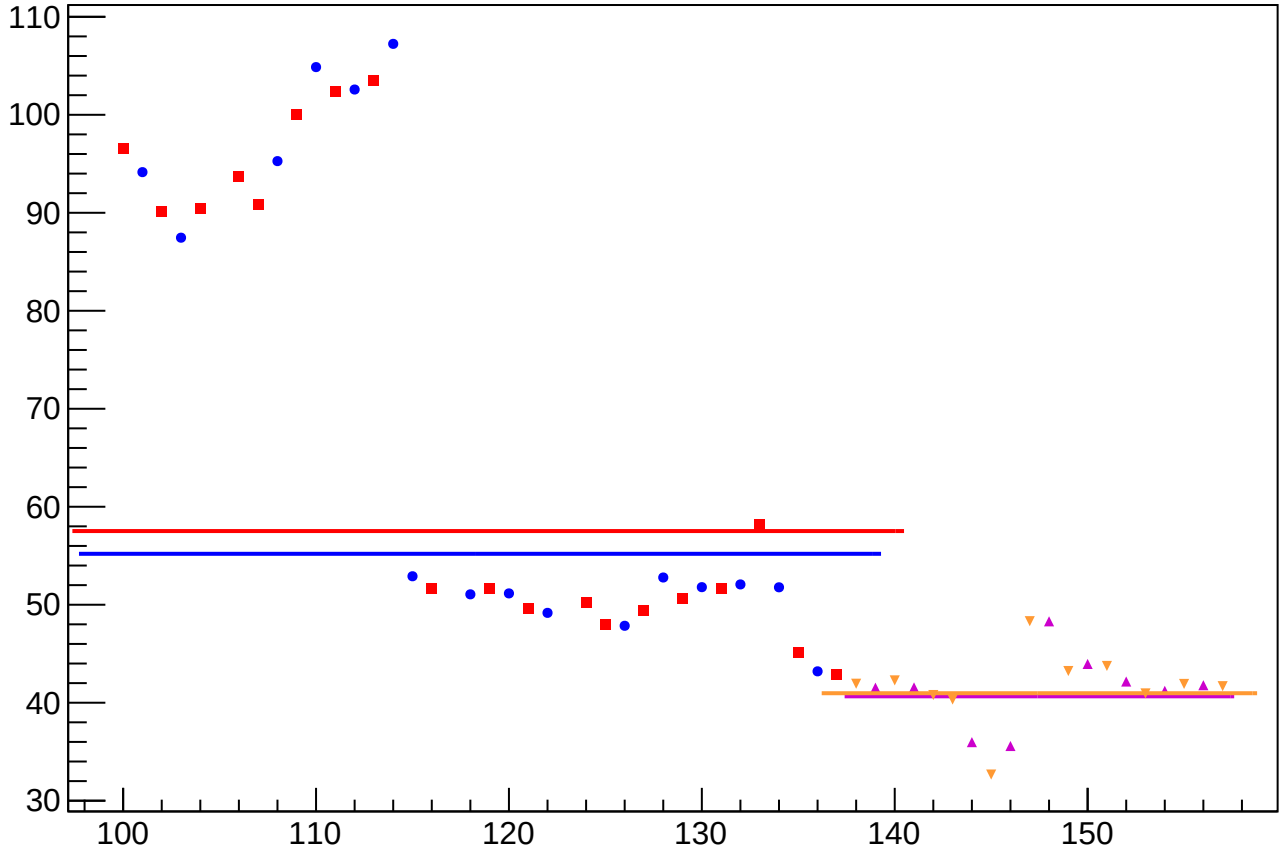
Left In: -1.674+/-14.619 χ^2/NDF:16.0/8

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -4.822+/-8.443 χ^2/NDF: 79.6/54

- sign 6.859+/-12.187 χ^2/NDF: 40.1/27

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

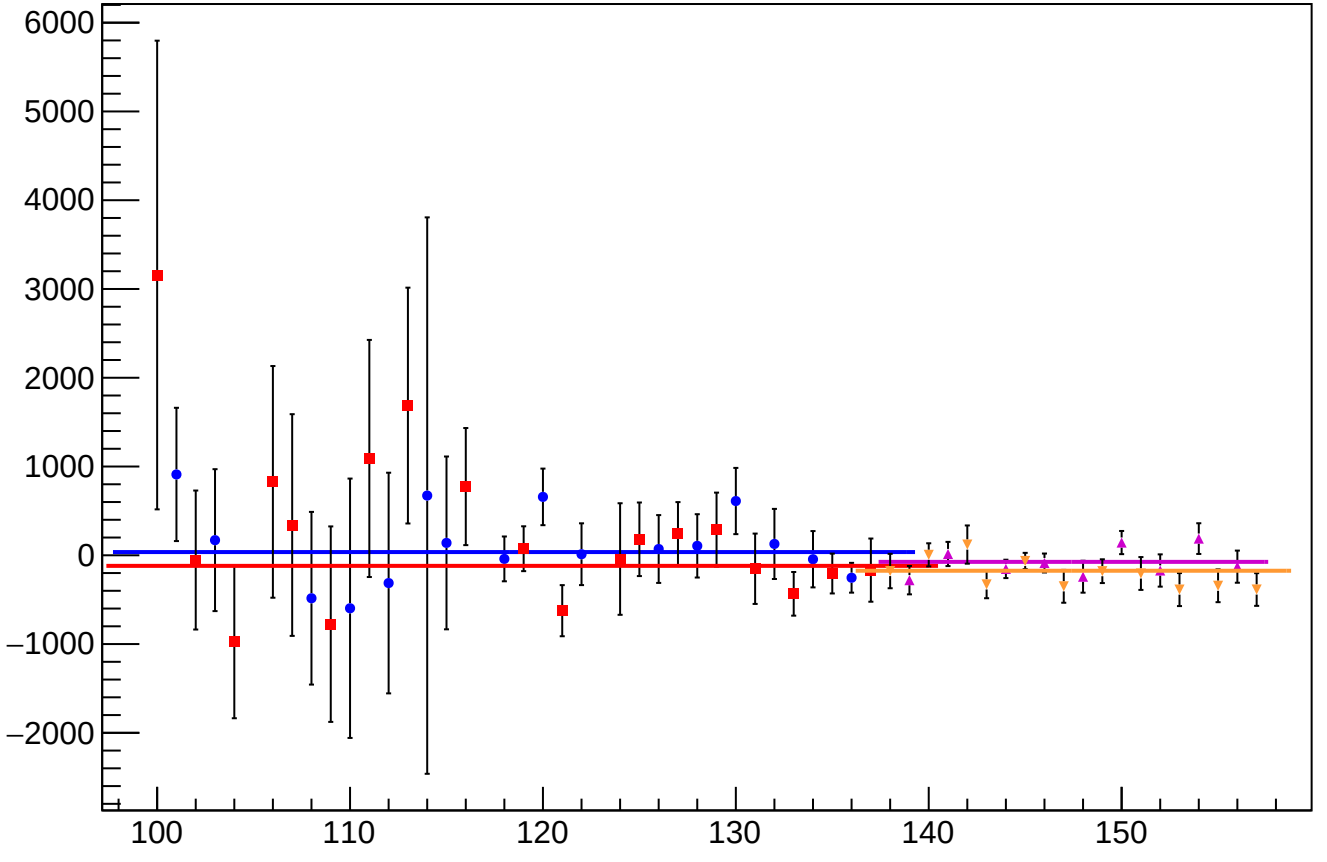
Left In: 40.653+/-0.010 χ^2/NDF:123141.3/8

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.7/26

All: 45.495+/-0.006 χ^2/NDF: 4148363.4/54

- sign 45.798+/-0.009 χ^2/NDF: 2216894.9/27

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.138+/-46.153 χ^2/NDF:10.6/10

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

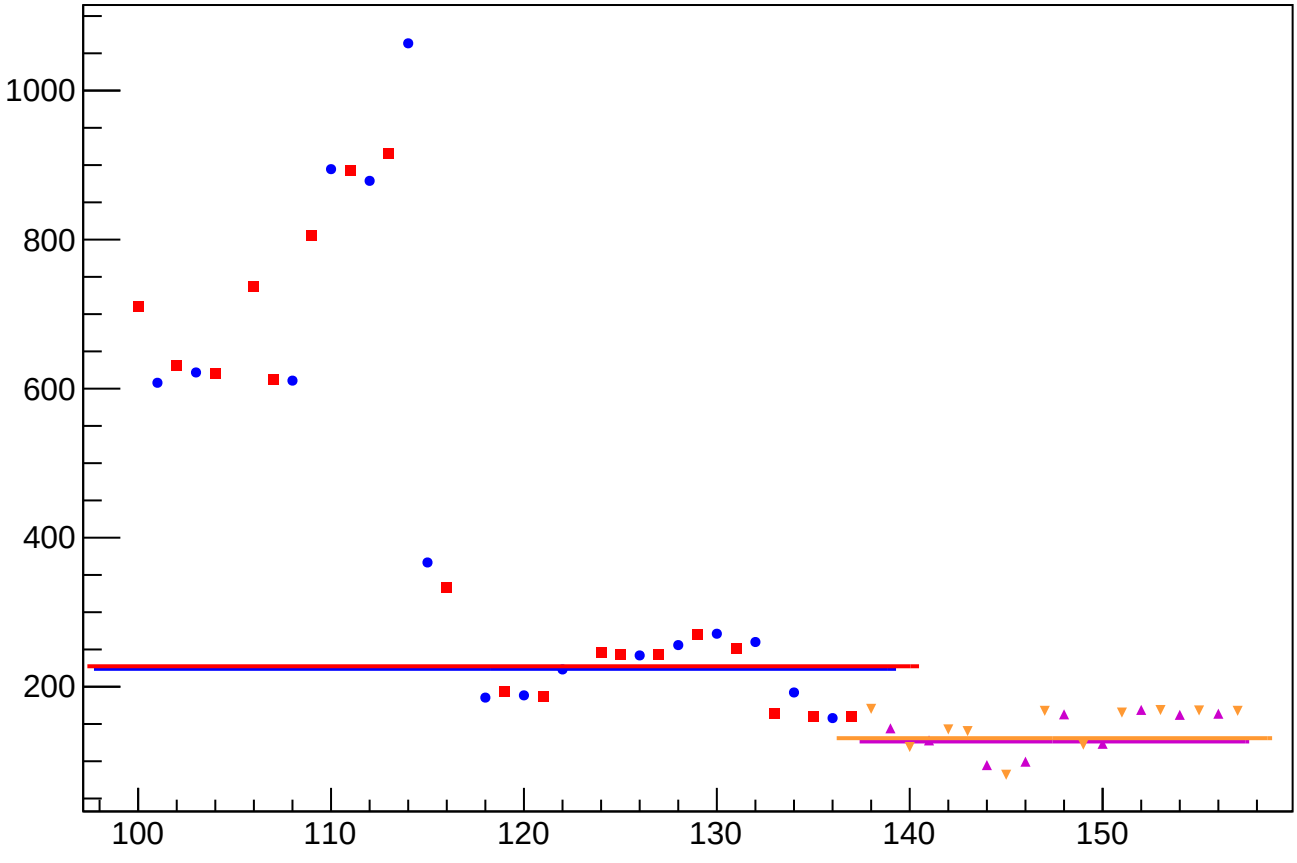
Left In: -74.201+/-46.739 χ^2/NDF:9.0/8

+ sign -132.949+/-41.391 χ^2/NDF: 26.0/26

All: -108.266+/-29.484 χ^2/NDF: 52.0/54

- sign -82.842+/-42.009 χ^2/NDF: 25.2/27

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085010.5/10

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

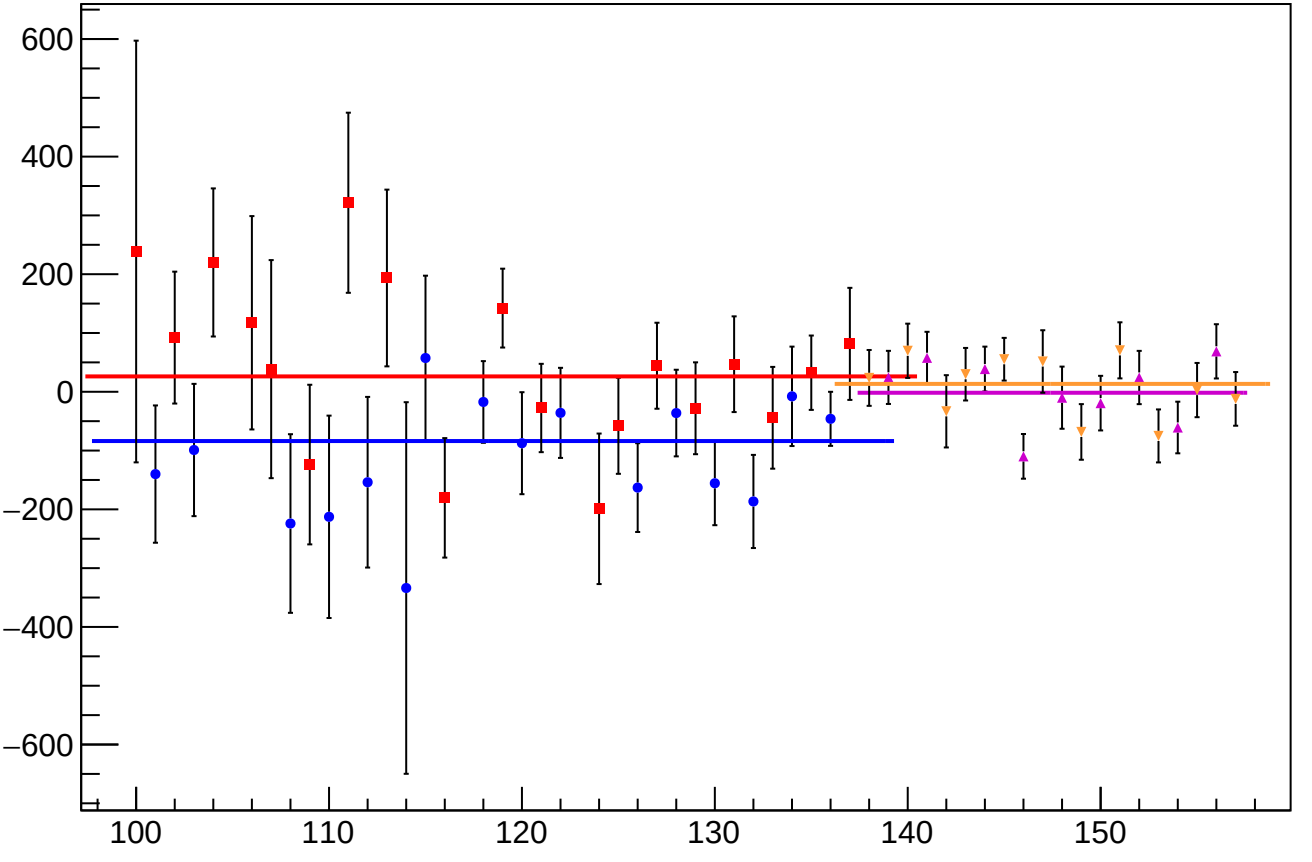
Left In: 126.537+/-0.033 χ^2/NDF:702752.3/8

+ sign 149.163+/-0.029 χ^2/NDF: 5645744.7/26

All: 147.569+/-0.021 χ^2/NDF: 11786678.2/54

- sign 145.928+/-0.030 χ^2/NDF: 6134917.3/27

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

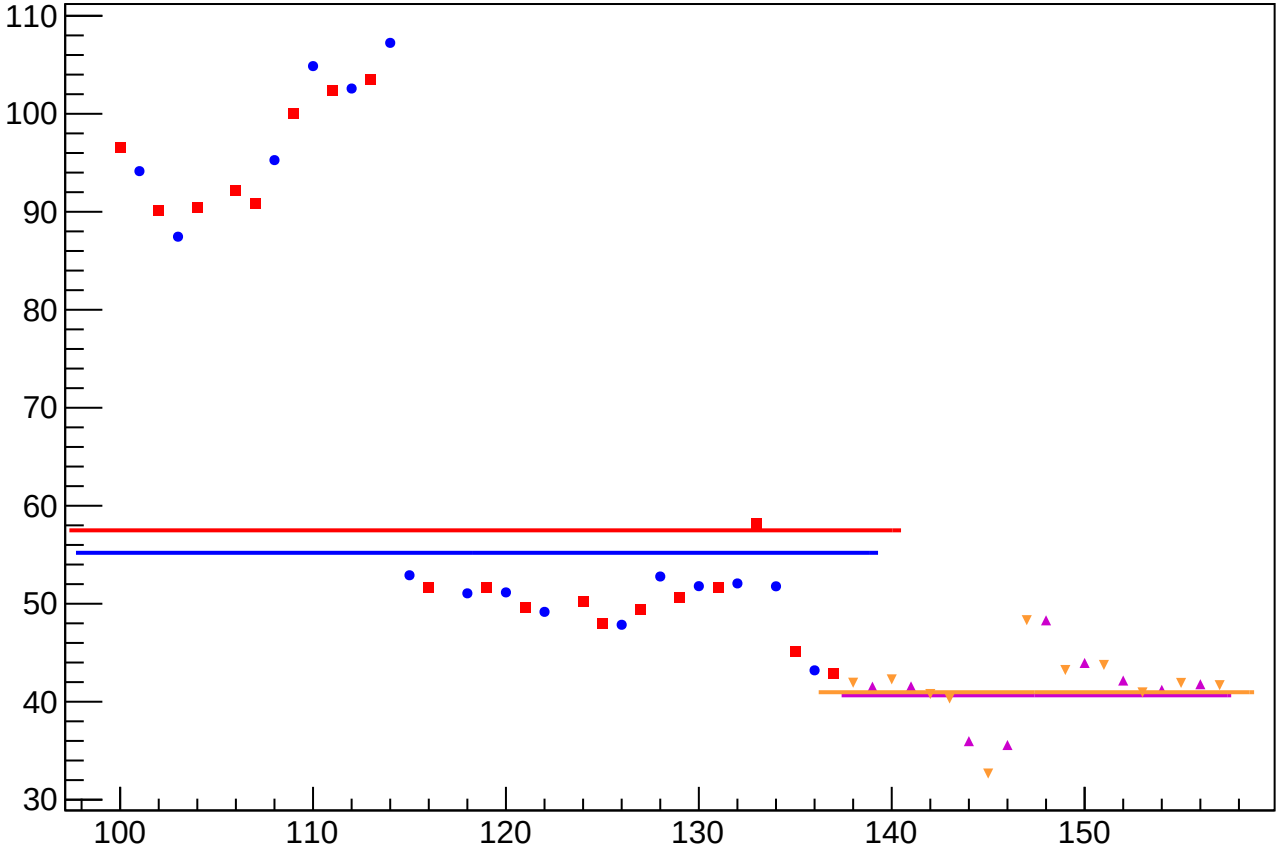
Left In: -1.674+/-14.619 χ^2/NDF:16.0/8

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -4.846+/-8.444 χ^2/NDF: 79.5/54

- sign 6.809+/-12.187 χ^2/NDF: 40.0/27

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

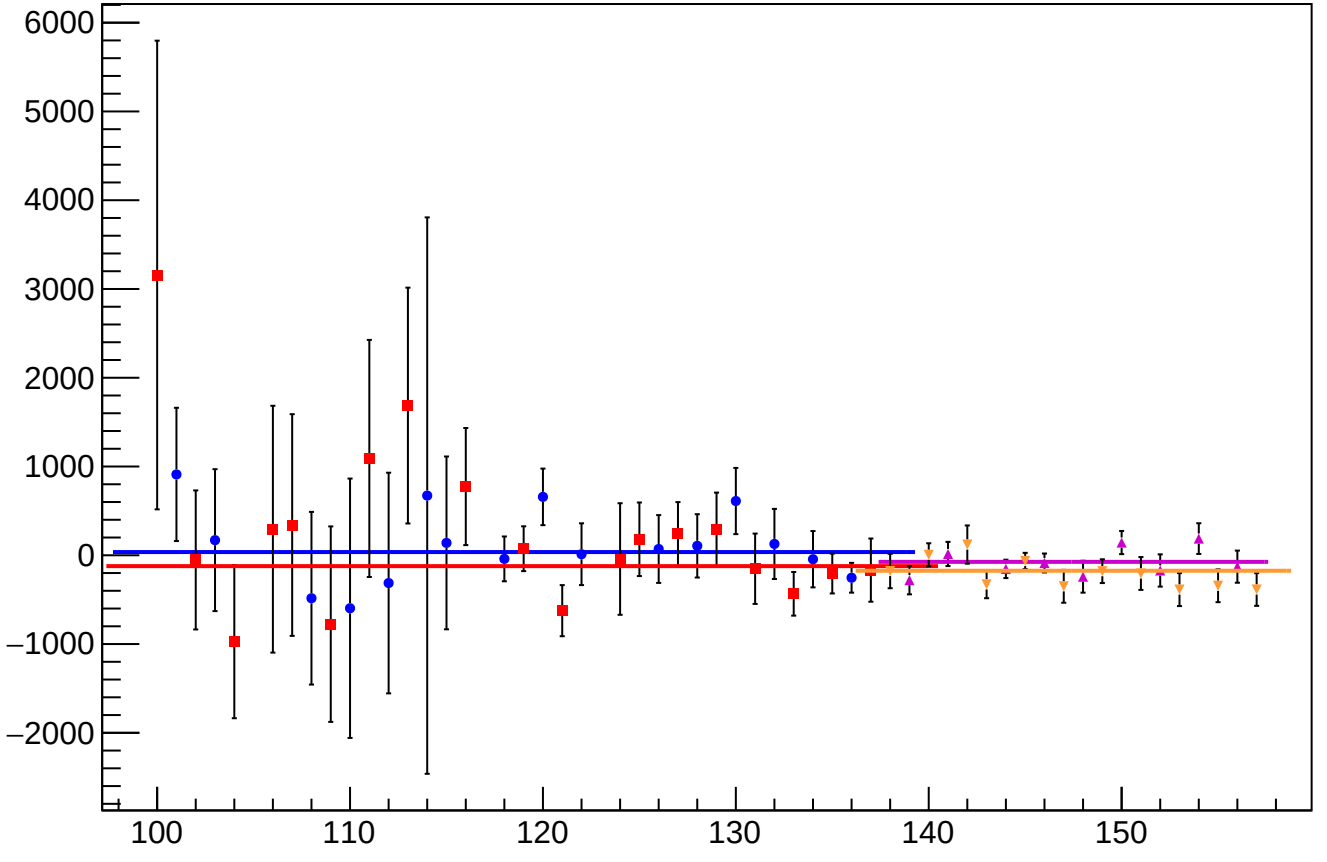
Left In: 40.653+/-0.010 χ^2/NDF:123141.3/8

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.9/26

All: 45.490+/-0.006 χ^2/NDF: 4137995.6/54

- sign 45.788+/-0.009 χ^2/NDF: 2206603.7/27

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

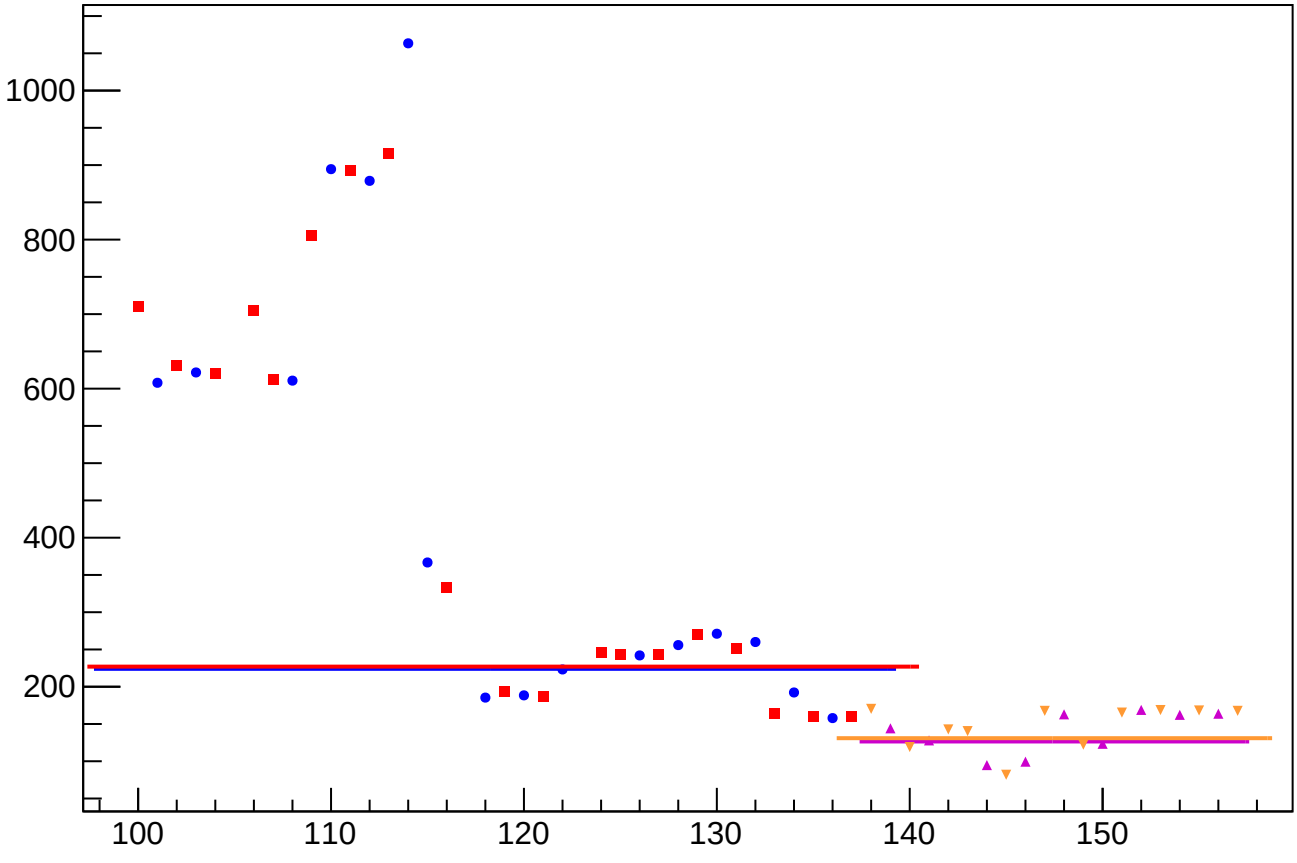
Left In: -74.201+/-46.739 χ^2/NDF:9.0/8

+ sign -132.951+/-41.391 χ^2/NDF: 26.0/26

All: -108.562+/-29.485 χ^2/NDF: 51.5/54

- sign -83.437+/-42.012 χ^2/NDF: 24.8/27

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

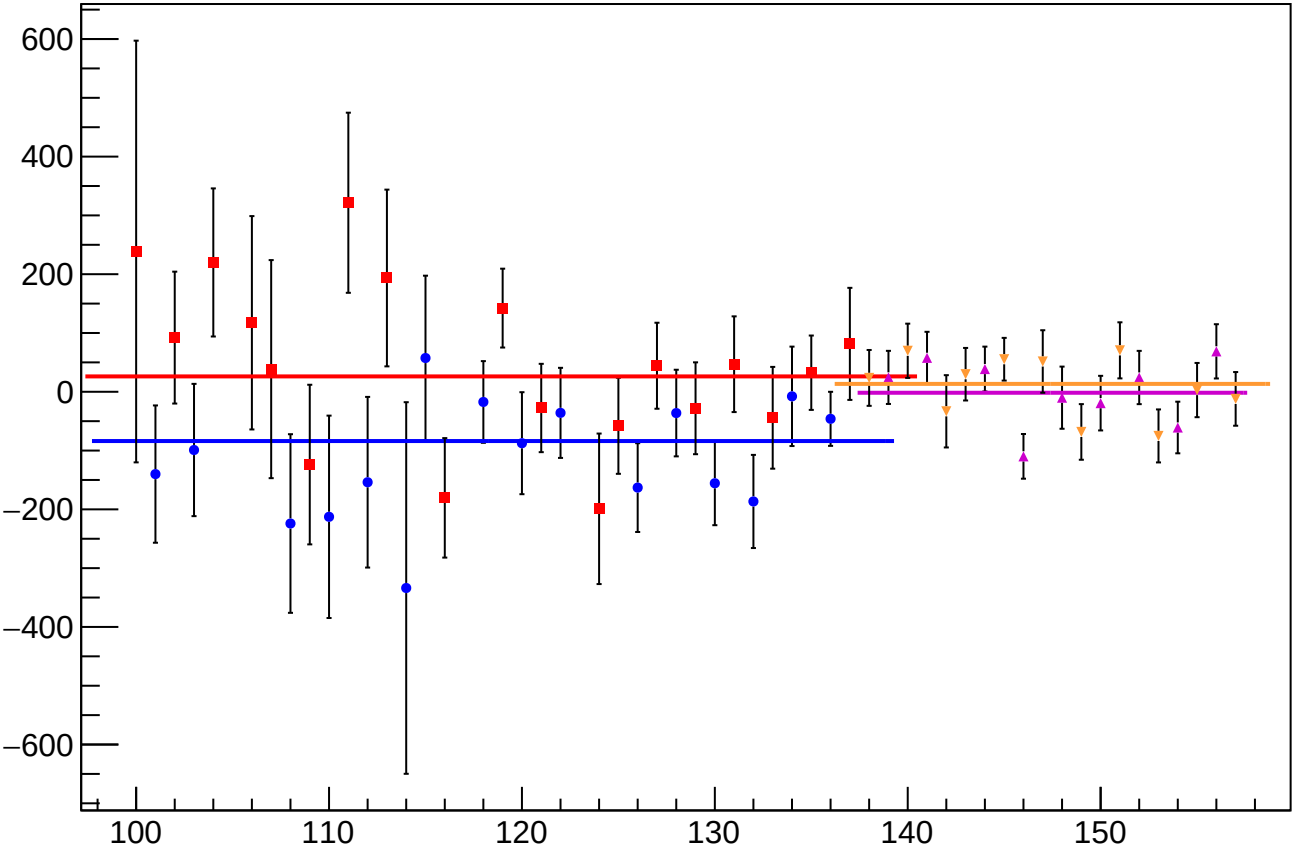
Left In: 126.537+/-0.033 χ^2/NDF:702753.1/8

+ sign 149.163+/-0.029 χ^2/NDF: 5645756.4/26

All: 147.519+/-0.021 χ^2/NDF: 11700463.2/54

- sign 145.826+/-0.030 χ^2/NDF: 6048303.2/27

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 13.404+/-13.979 χ^2/NDF:12.7/10

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

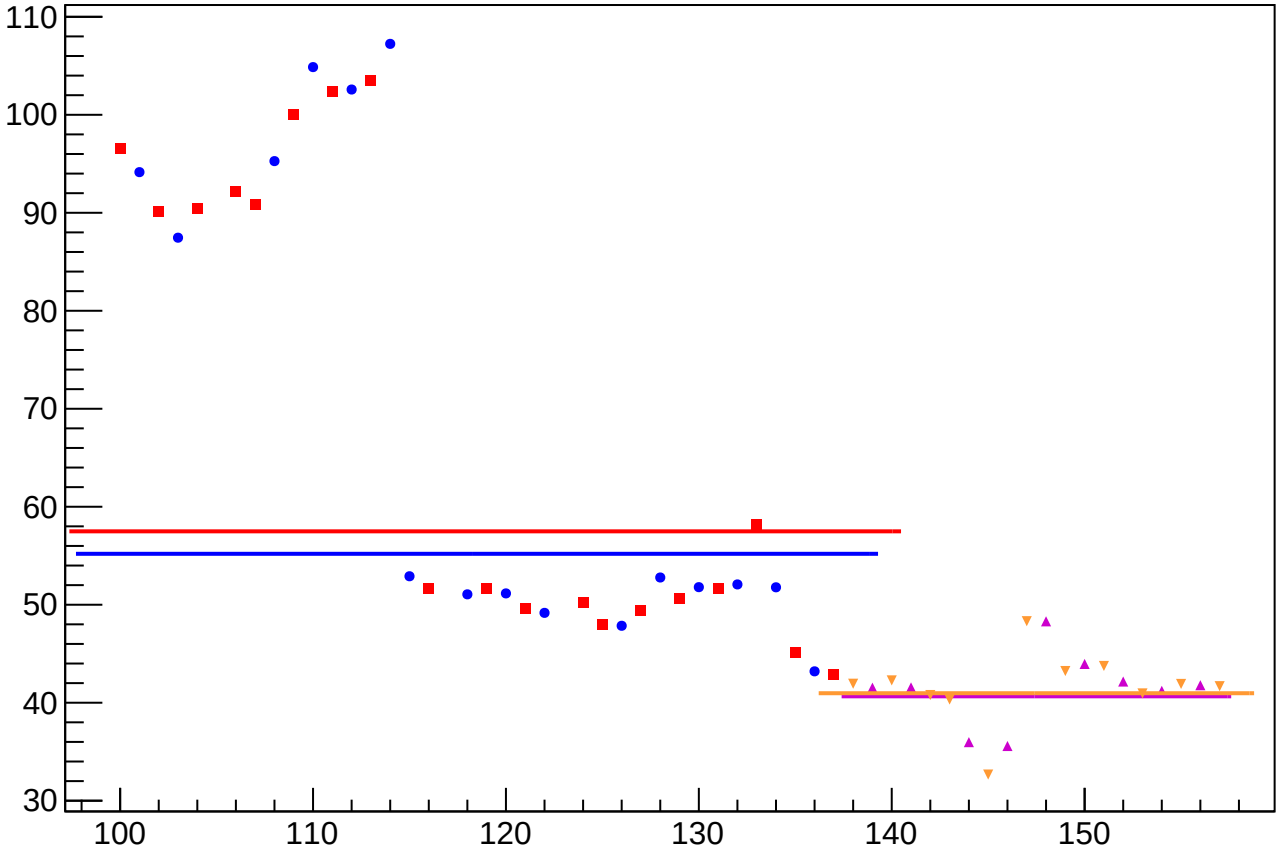
Left In: -1.674+/-14.619 χ^2/NDF:16.0/8

+ sign -15.604+/-11.709 χ^2/NDF: 37.7/26

All: -4.846+/-8.444 χ^2/NDF: 79.5/54

- sign 6.809+/-12.187 χ^2/NDF: 40.0/27

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.969+/-0.010 χ^2/NDF:158223.9/10

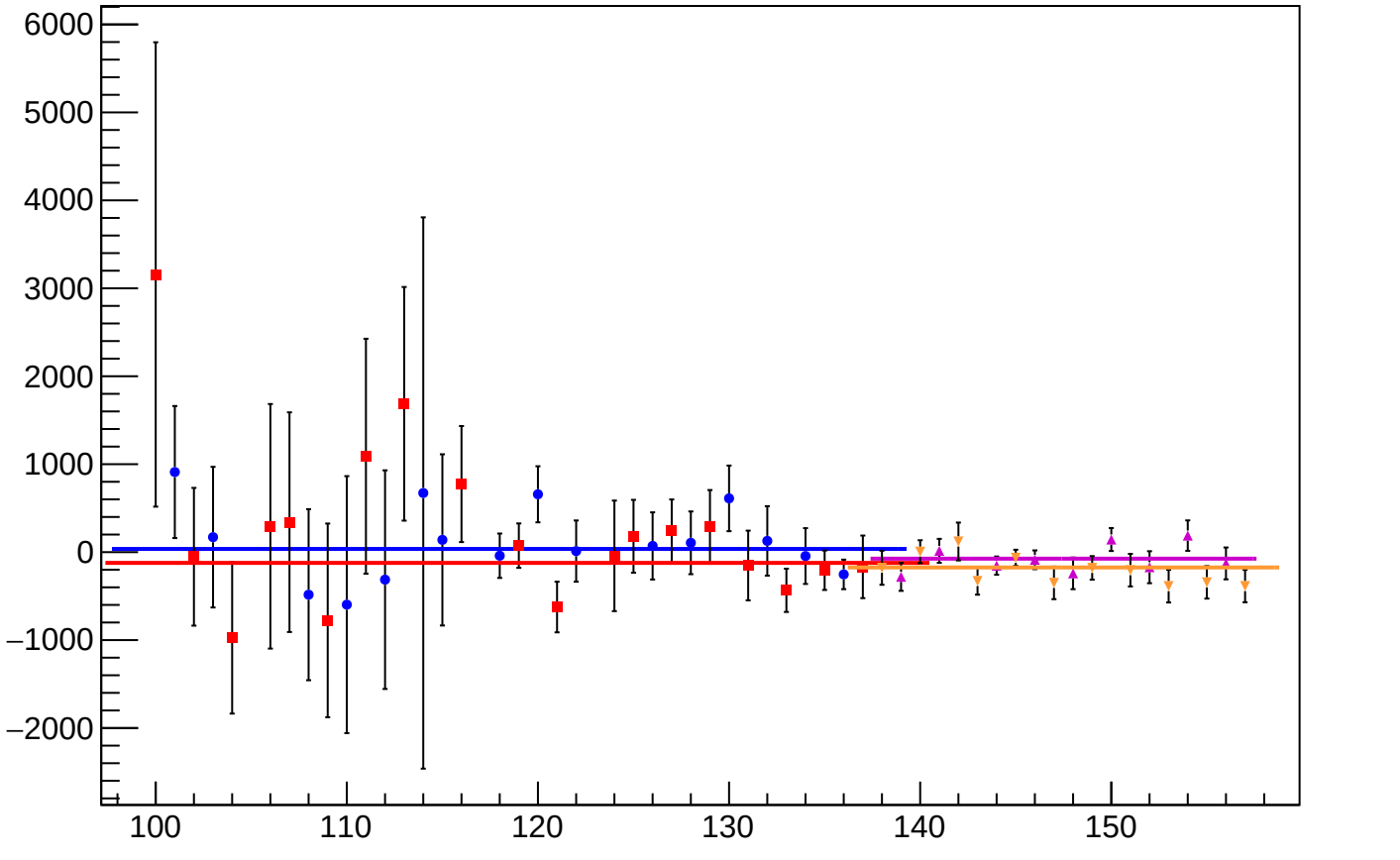
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.653+/-0.010 χ^2/NDF:123141.3/8

+ sign 45.215+/-0.008 χ^2/NDF: 1929093.9/26

All: 45.490+/-0.006 χ^2/NDF: 4137995.6/54

- sign 45.788+/-0.009 χ^2/NDF: 2206603.7/27



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -174.141+/-46.153 χ^2/NDF:10.6/10

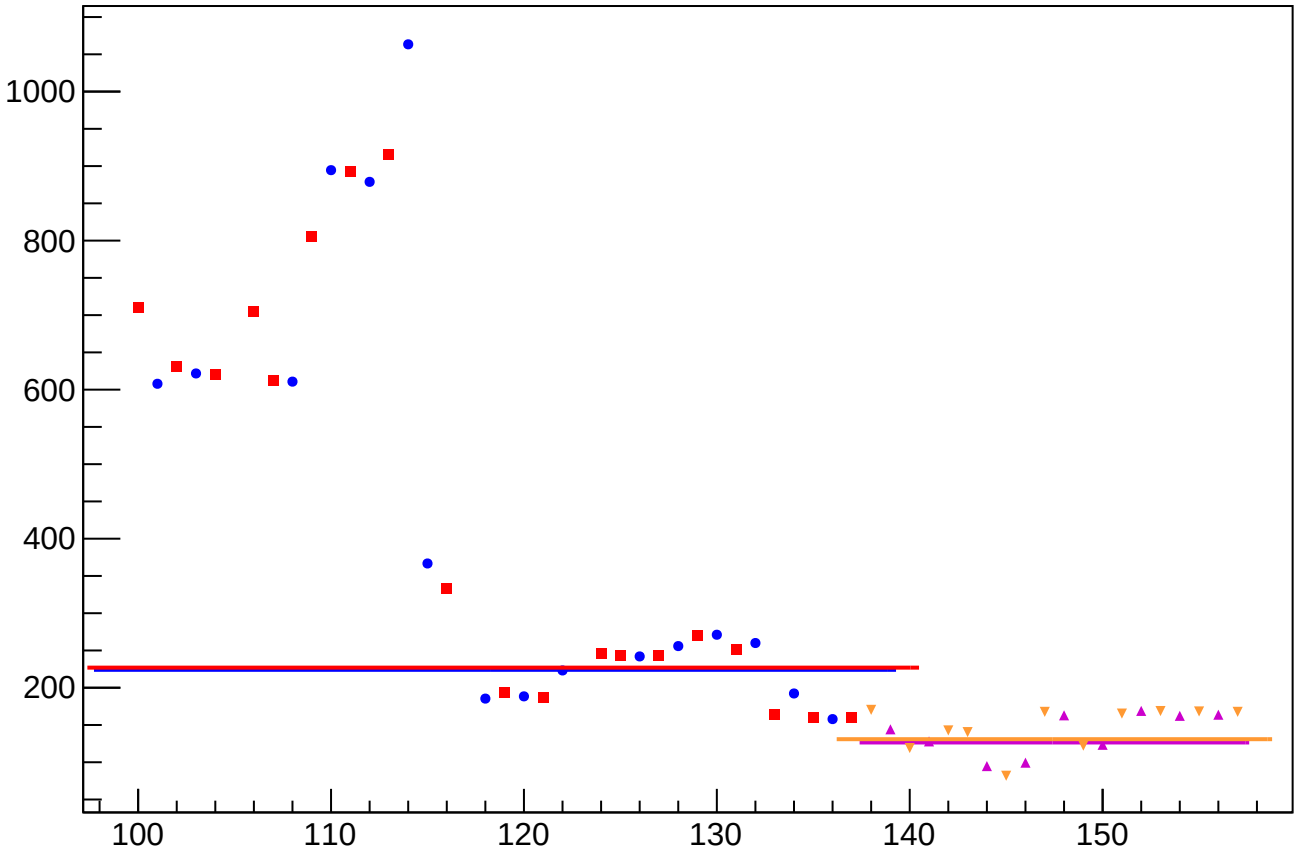
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -74.201+/-46.739 χ^2/NDF:9.0/8

+ sign -132.951+/-41.391 χ^2/NDF: 26.0/26

All: -108.562+/-29.485 χ^2/NDF: 51.5/54

- sign -83.437+/-42.012 χ^2/NDF: 24.8/27



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 130.943+/-0.033 χ^2/NDF:1085016.1/10

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

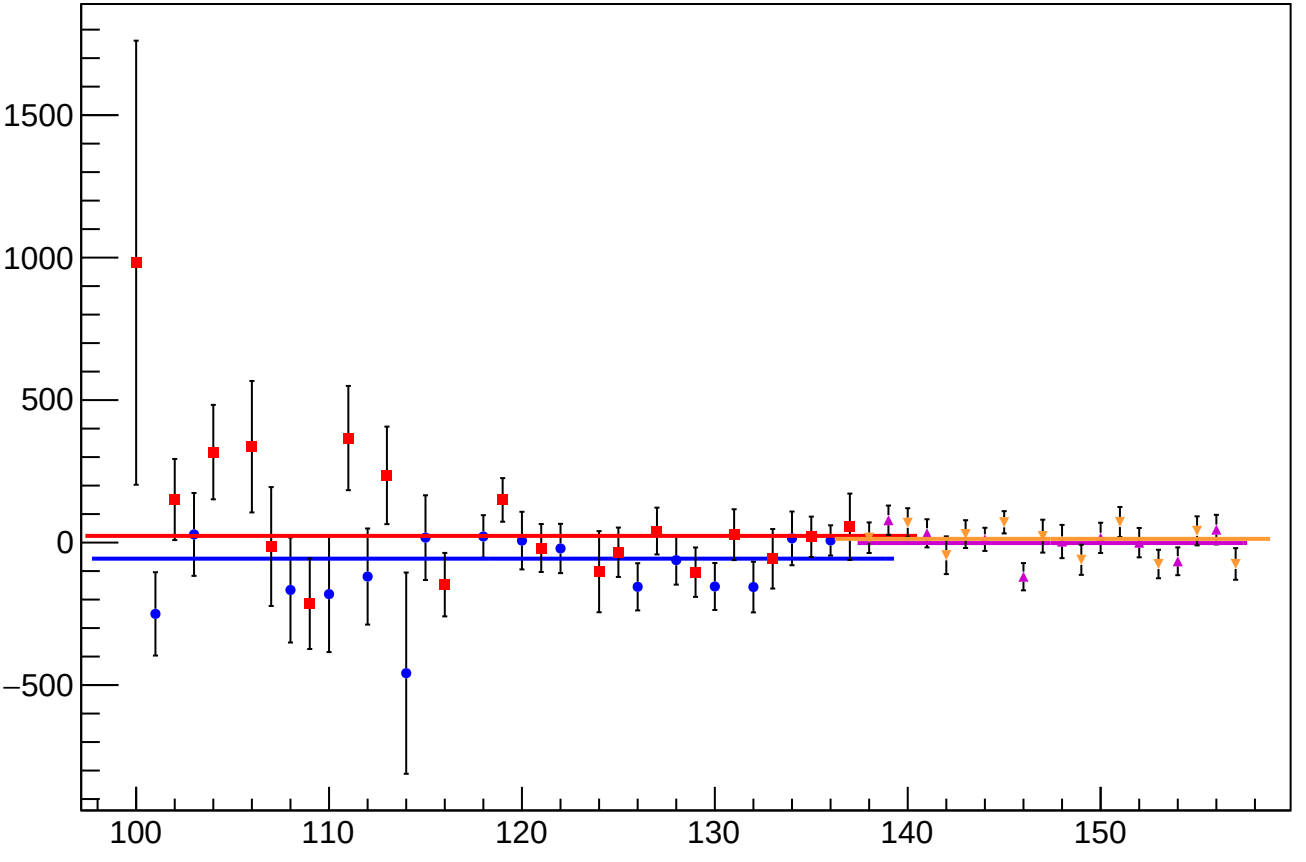
Left In: 126.537+/-0.033 χ^2/NDF:702753.1/8

+ sign 149.163+/-0.029 χ^2/NDF: 5645756.4/26

All: 147.519+/-0.021 χ^2/NDF: 11700463.2/54

- sign 145.826+/-0.030 χ^2/NDF: 6048303.2/27

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.040+/-15.505 χ^2/NDF:13.5/10

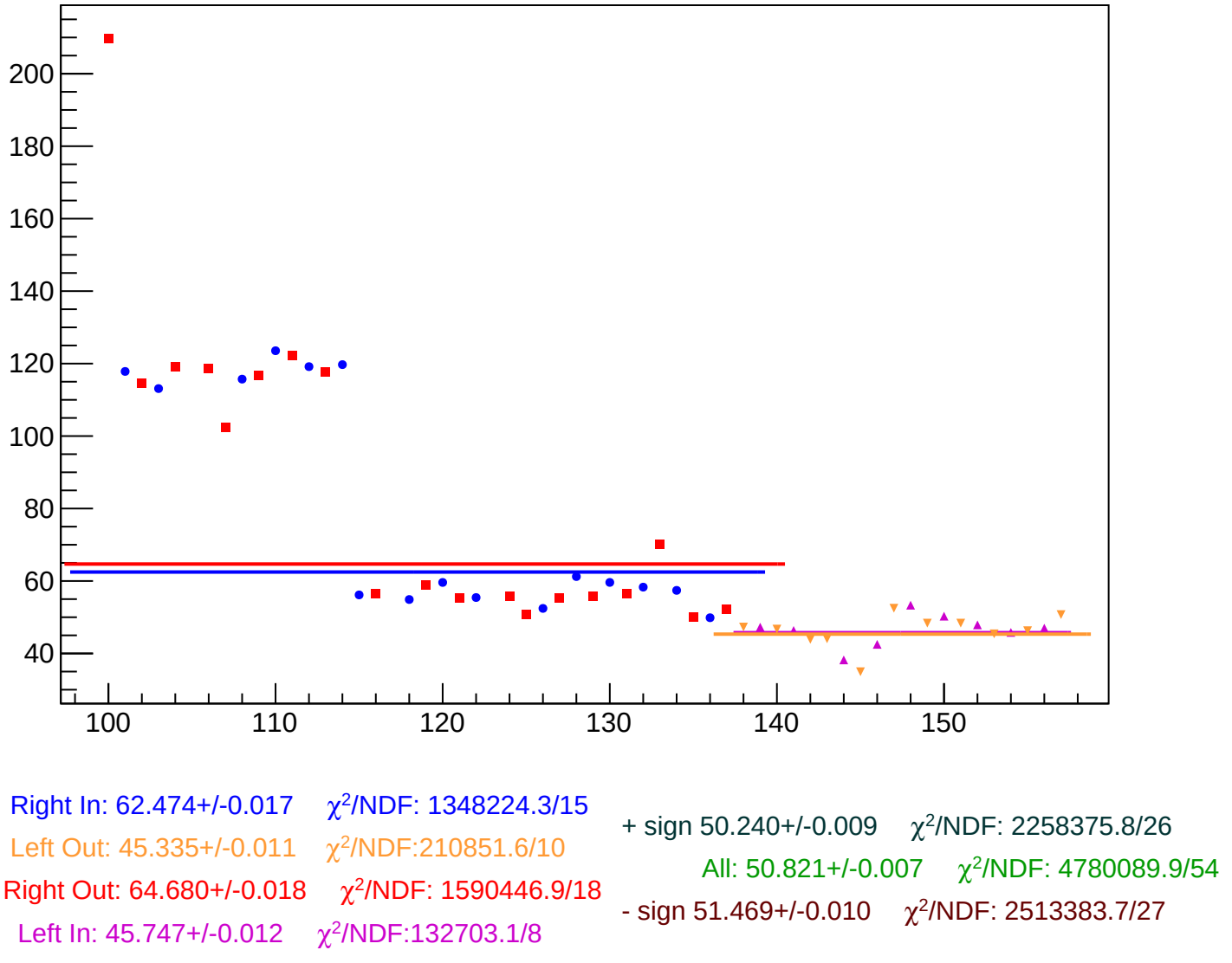
Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -1.710+/-16.559 χ^2/NDF:11.8/8

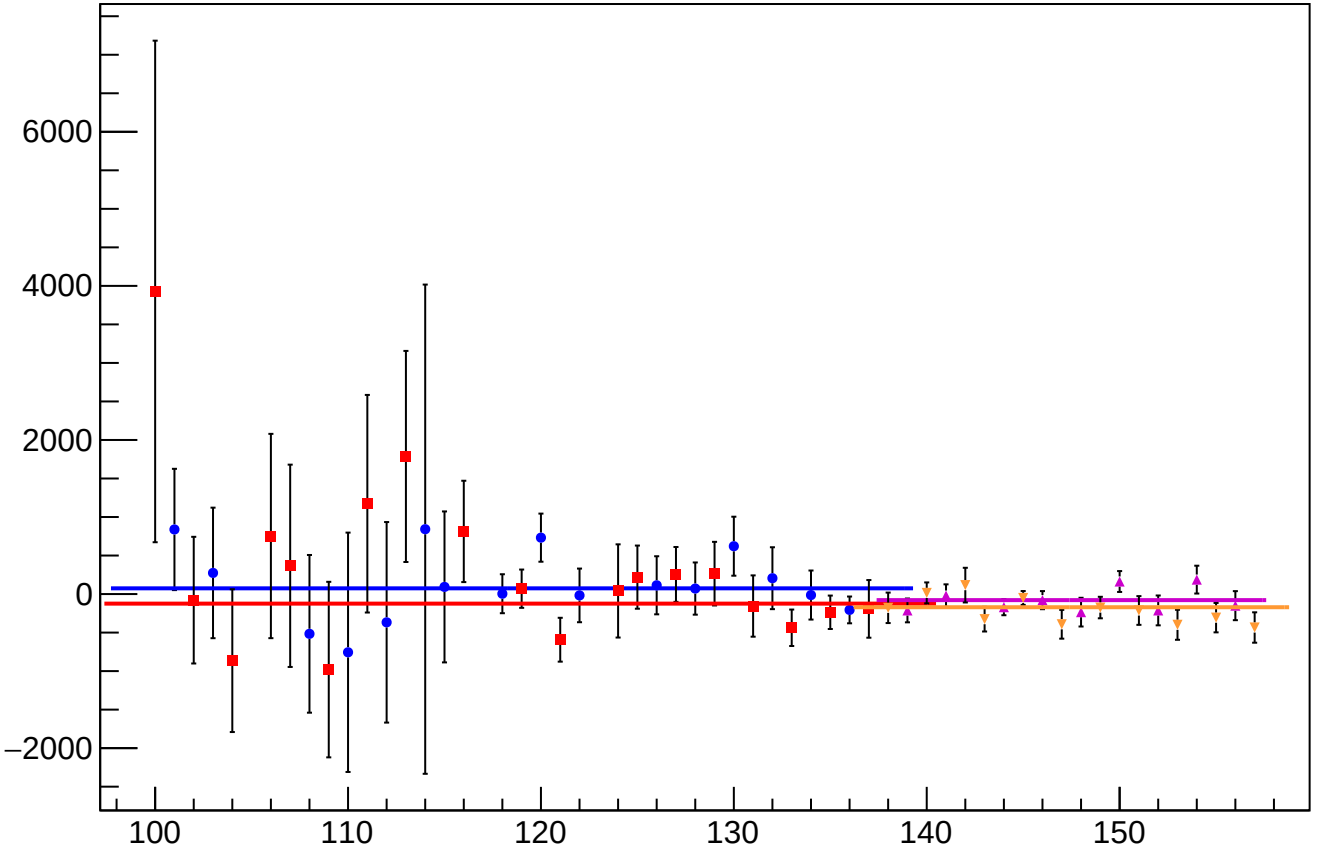
+ sign -6.834+/-13.100 χ^2/NDF: 31.5/26

All: -0.810+/-9.511 χ^2/NDF: 68.5/54

- sign 5.907+/-13.832 χ^2/NDF: 36.6/27


dit_asym_sam_37_26_dd_rms vs Slug
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 62.474+/-0.017 χ²/NDF: 1348224.3/15
Left Out: 45.335+/-0.011 χ²/NDF:210851.6/10
Right Out: 64.680+/-0.018 χ²/NDF: 1590446.9/18
Left In: 45.747+/-0.012 χ²/NDF:132703.1/8
+ sign 50.240+/-0.009 χ²/NDF: 2258375.8/26
All: 50.821+/-0.007 χ²/NDF: 4780089.9/54
- sign 51.469+/-0.010 χ²/NDF: 2513383.7/27

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.142 χ^2/NDF:11.3/10

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

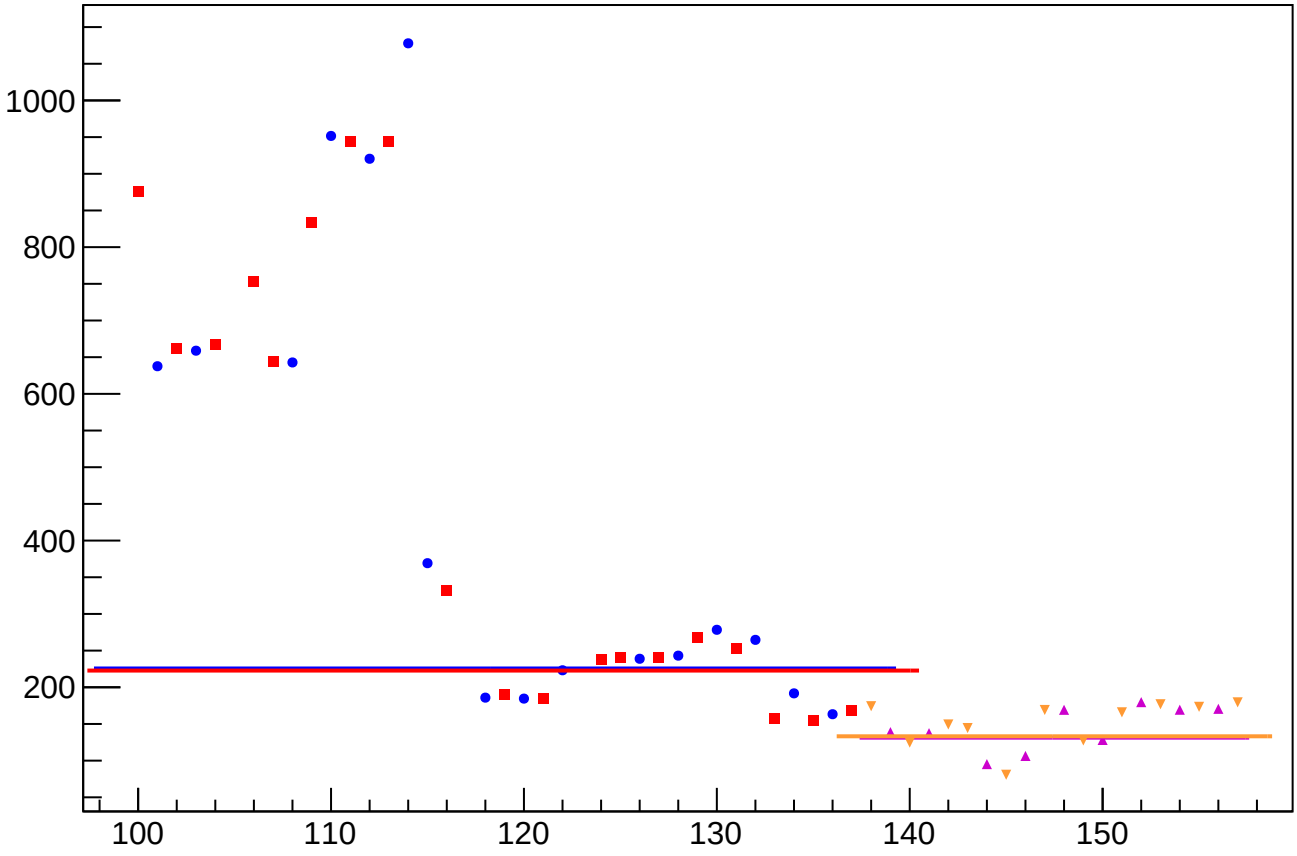
Left In: -78.660+/-48.738 χ^2/NDF:8.3/8

+ sign -122.093+/-42.184 χ^2/NDF: 27.9/26

All: -105.602+/-30.226 χ^2/NDF: 53.1/54

- sign -88.202+/-43.332 χ^2/NDF: 24.9/27

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 133.180+/-0.033 χ^2/NDF:1229955.5/10

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

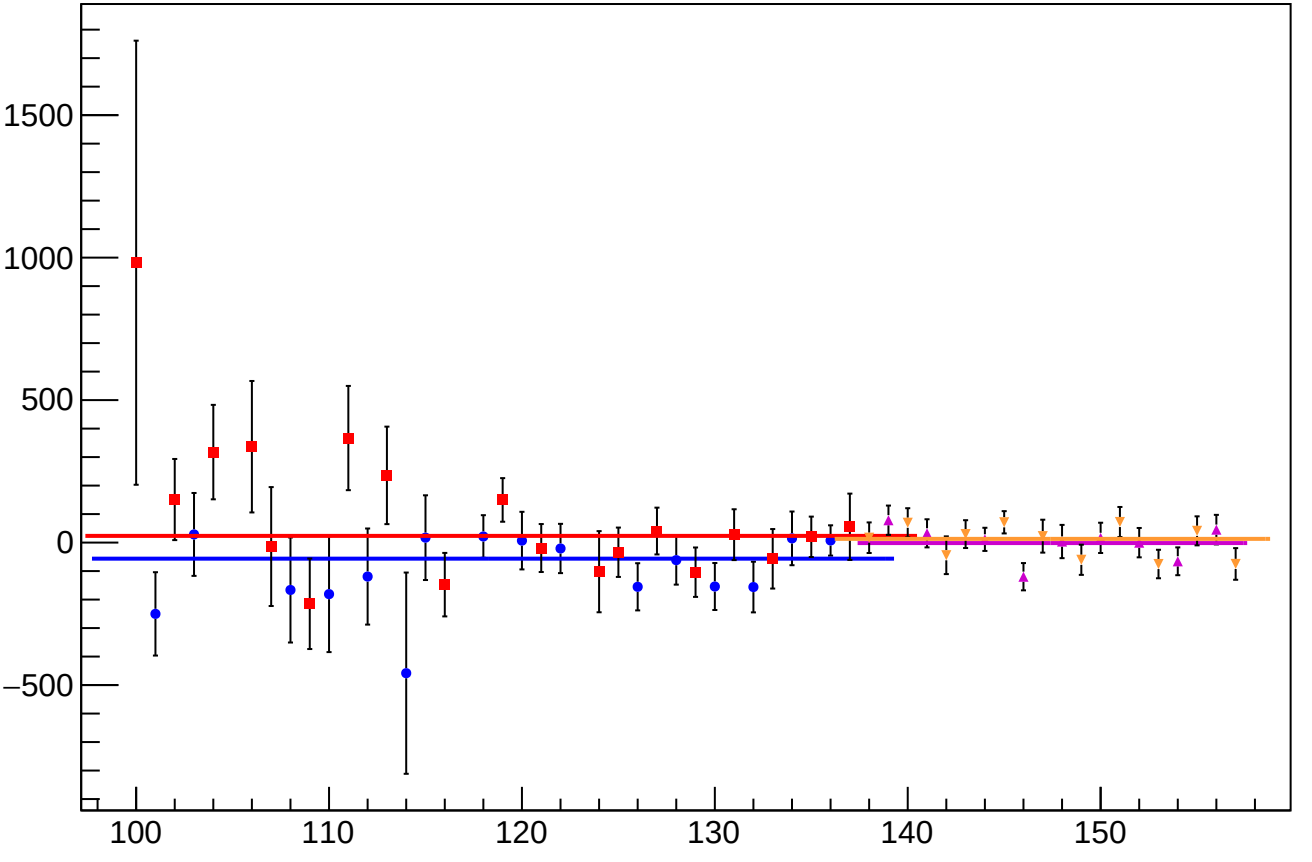
Left In: 131.334+/-0.034 χ^2/NDF:720627.0/8

+ sign 151.602+/-0.030 χ^2/NDF: 5788354.2/26

All: 151.064+/-0.021 χ^2/NDF: 11833239.7/54

- sign 150.496+/-0.031 χ^2/NDF: 6044215.9/27

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 13.042+/-15.505 χ^2/NDF:13.5/10

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

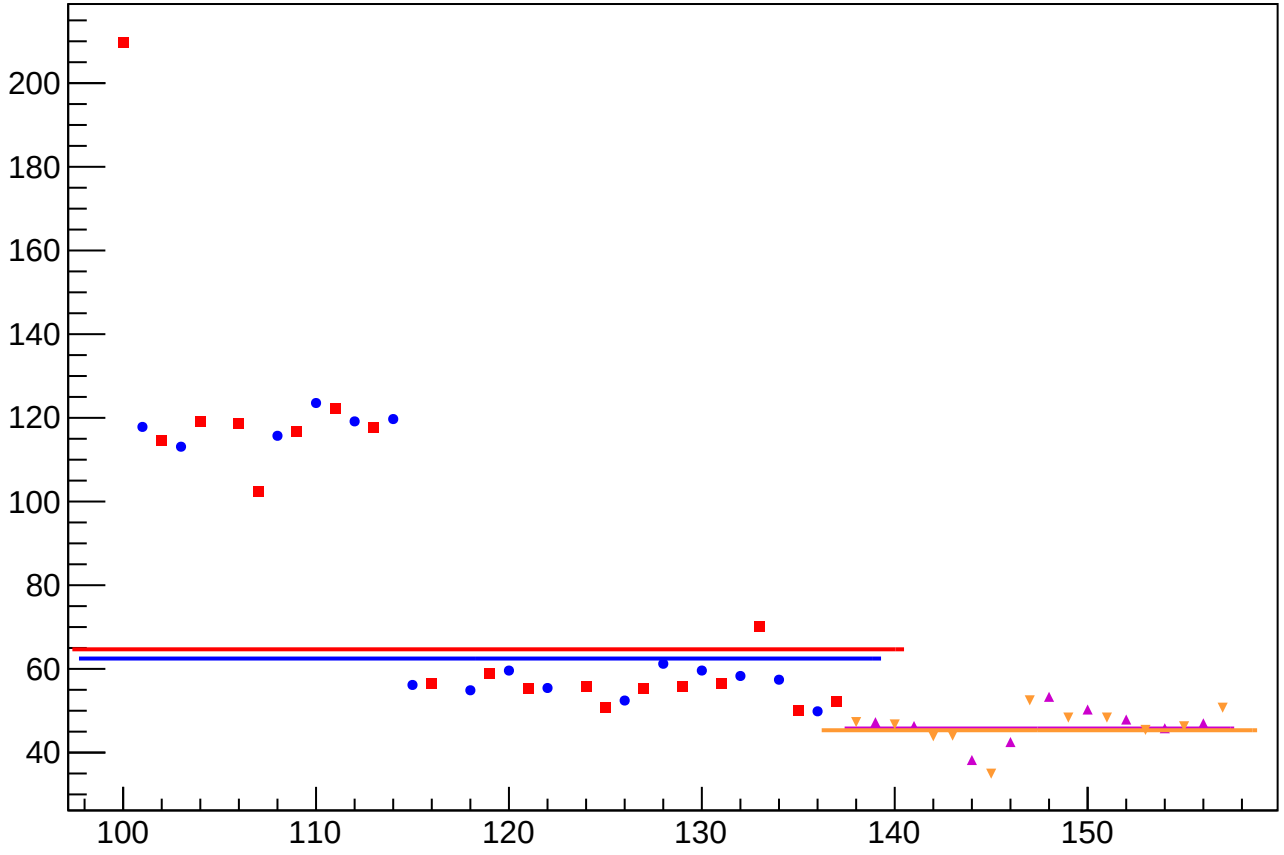
Left In: -1.711+/-16.559 χ^2/NDF:11.8/8

+ sign -6.834+/-13.100 χ^2/NDF: 31.5/26

All: -0.809+/-9.511 χ^2/NDF: 68.5/54

- sign 5.908+/-13.832 χ^2/NDF: 36.6/27

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.335+/-0.011 χ^2/NDF:210856.6/10

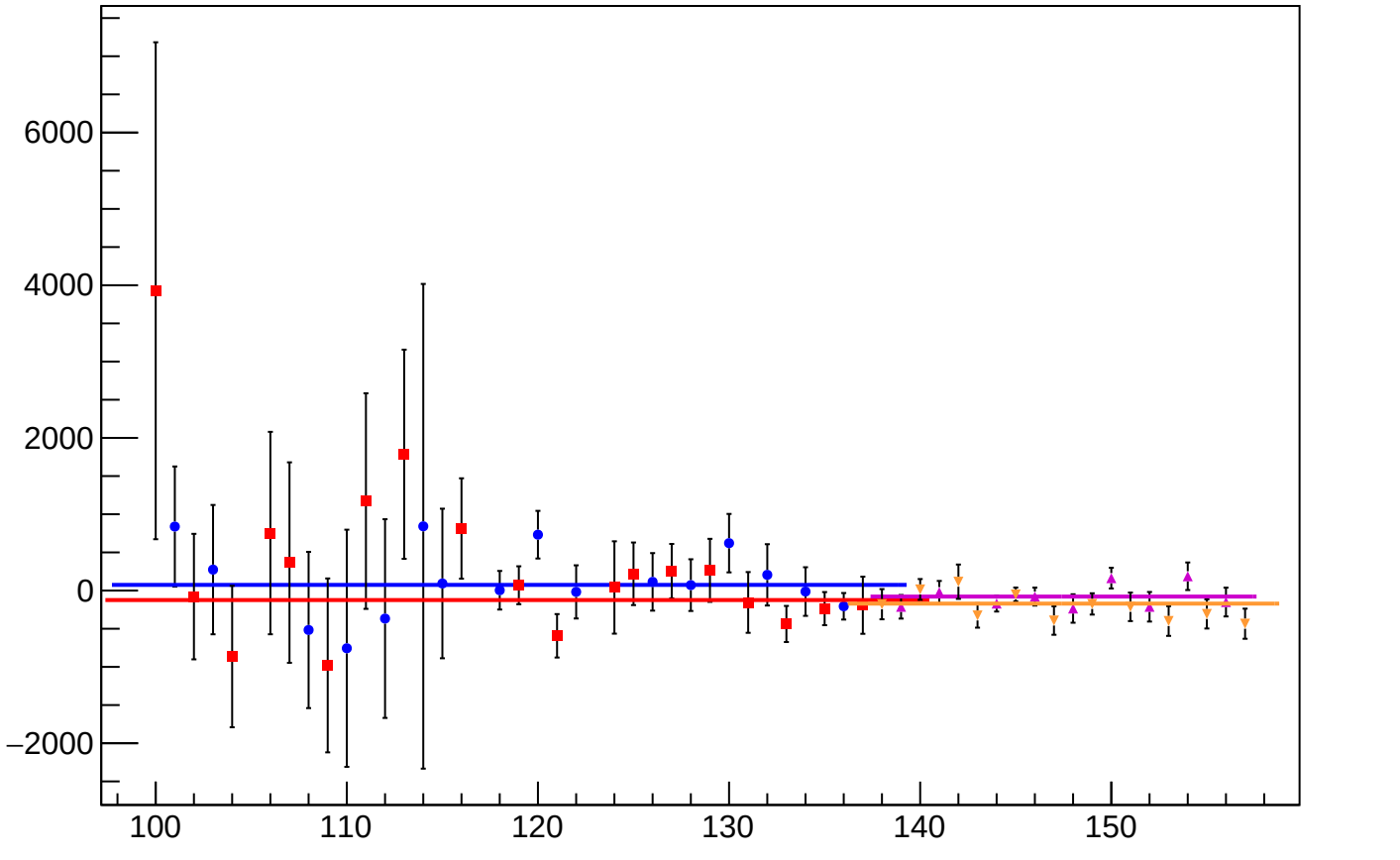
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.747+/-0.012 χ^2/NDF:132703.5/8

+ sign 50.240+/-0.009 χ^2/NDF: 2258318.3/26

All: 50.821+/-0.007 χ^2/NDF: 4779986.5/54

- sign 51.469+/-0.010 χ^2/NDF: 2513337.5/27



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -170.974+/-47.143 χ^2/NDF:11.3/10

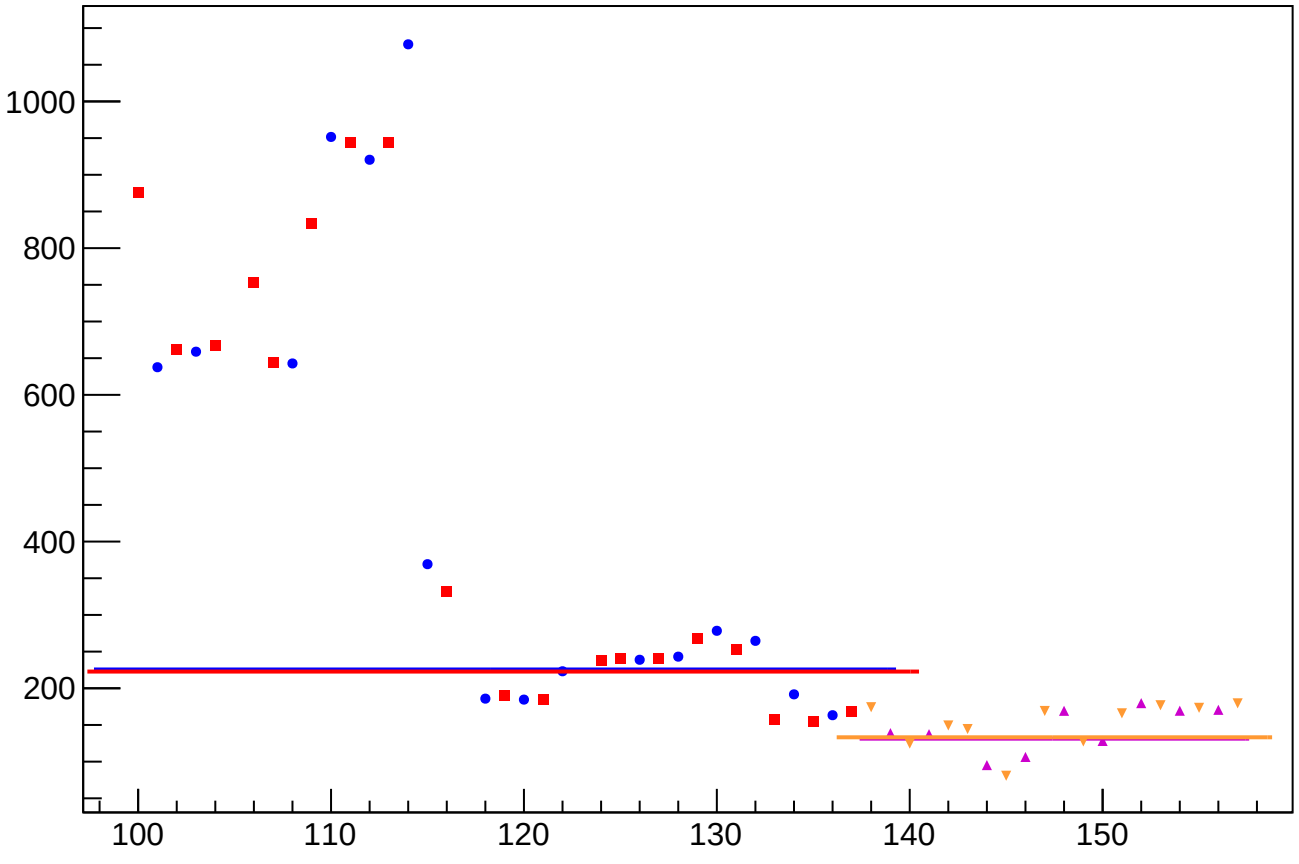
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -78.660+/-48.738 χ^2/NDF:8.3/8

+ sign -122.092+/-42.184 χ^2/NDF: 27.9/26

All: -105.602+/-30.226 χ^2/NDF: 53.1/54

- sign -88.201+/-43.332 χ^2/NDF: 24.9/27



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 133.181+/-0.033 χ^2/NDF:1229944.1/10

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

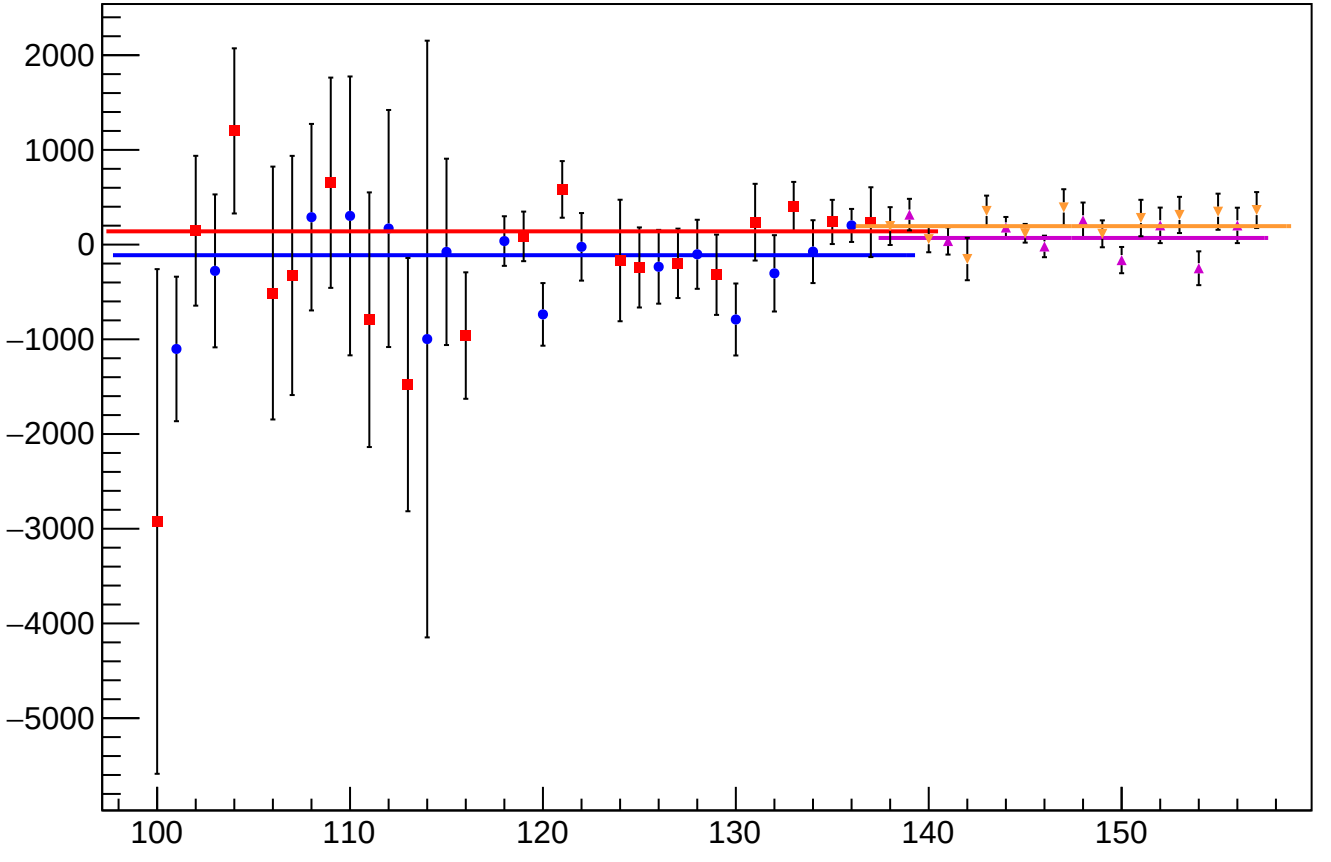
Left In: 131.335+/-0.034 χ^2/NDF:720621.7/8

+ sign 151.603+/-0.030 χ^2/NDF: 5788316.0/26

All: 151.064+/-0.021 χ^2/NDF: 11833183.3/54

- sign 150.496+/-0.031 χ^2/NDF: 6044197.4/27

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 194.907+/-48.564 χ^2/NDF:8.3/10

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

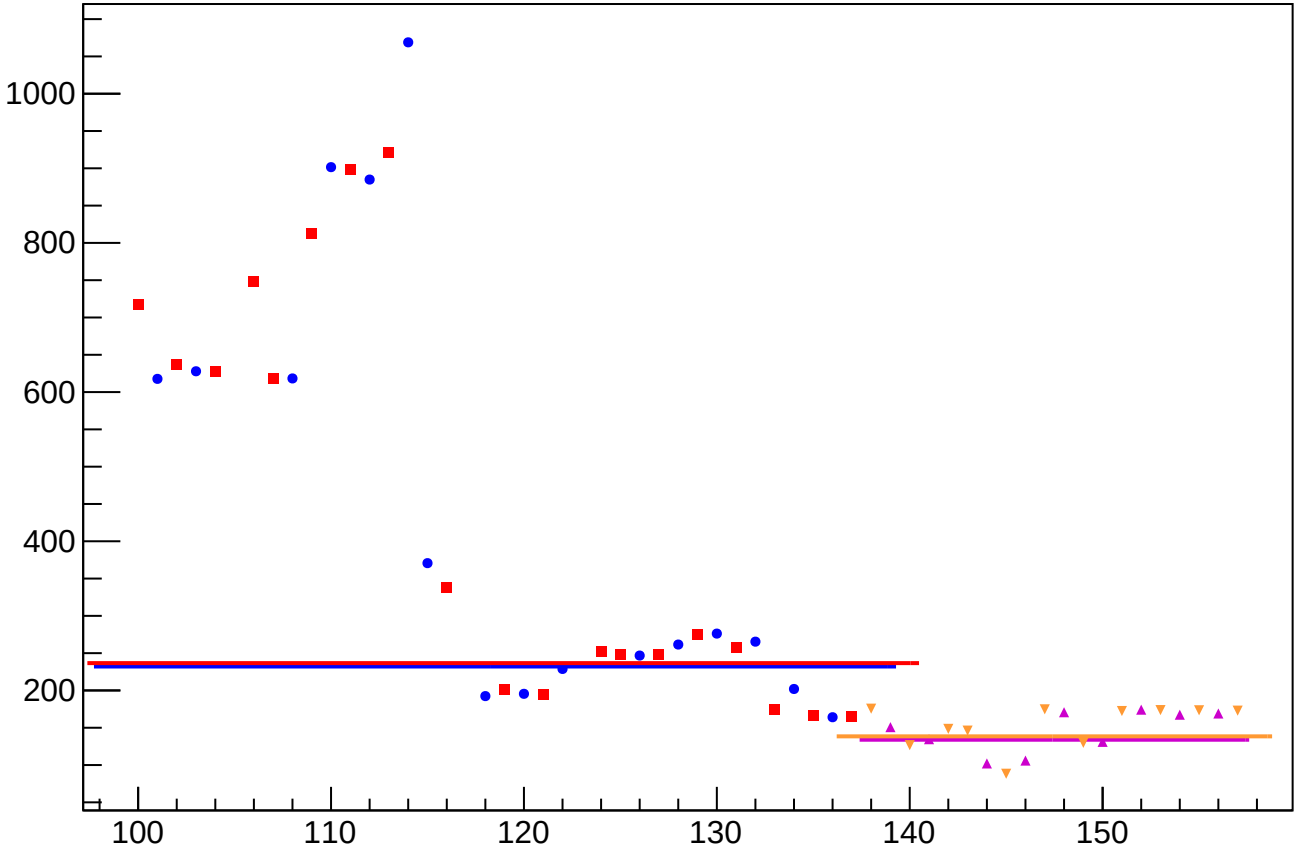
Left In: 70.125+/-49.274 χ^2/NDF:11.9/8

+ sign 132.955+/-43.385 χ^2/NDF: 29.2/26

All: 108.870+/-30.937 χ^2/NDF: 56.8/54

- sign 83.954+/-44.127 χ^2/NDF: 26.9/27

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 138.460+/-0.034 χ^2/NDF:949280.1/10

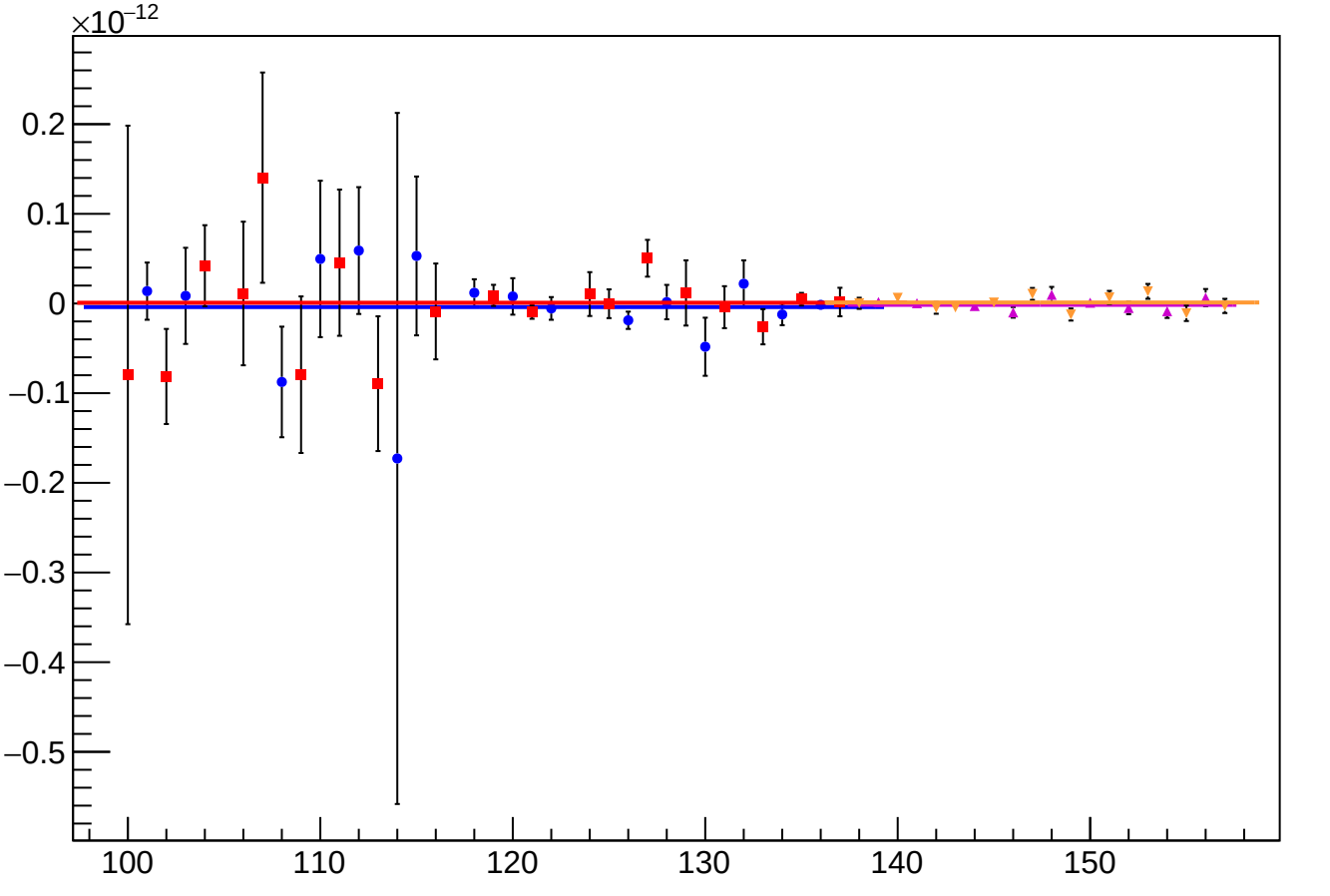
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 133.945+/-0.035 χ^2/NDF:616674.6/8

+ sign 157.368+/-0.031 χ^2/NDF: 5336397.0/26

All: 155.849+/-0.022 χ^2/NDF: 11199290.9/54

- sign 154.278+/-0.031 χ^2/NDF: 5857905.0/27



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/10

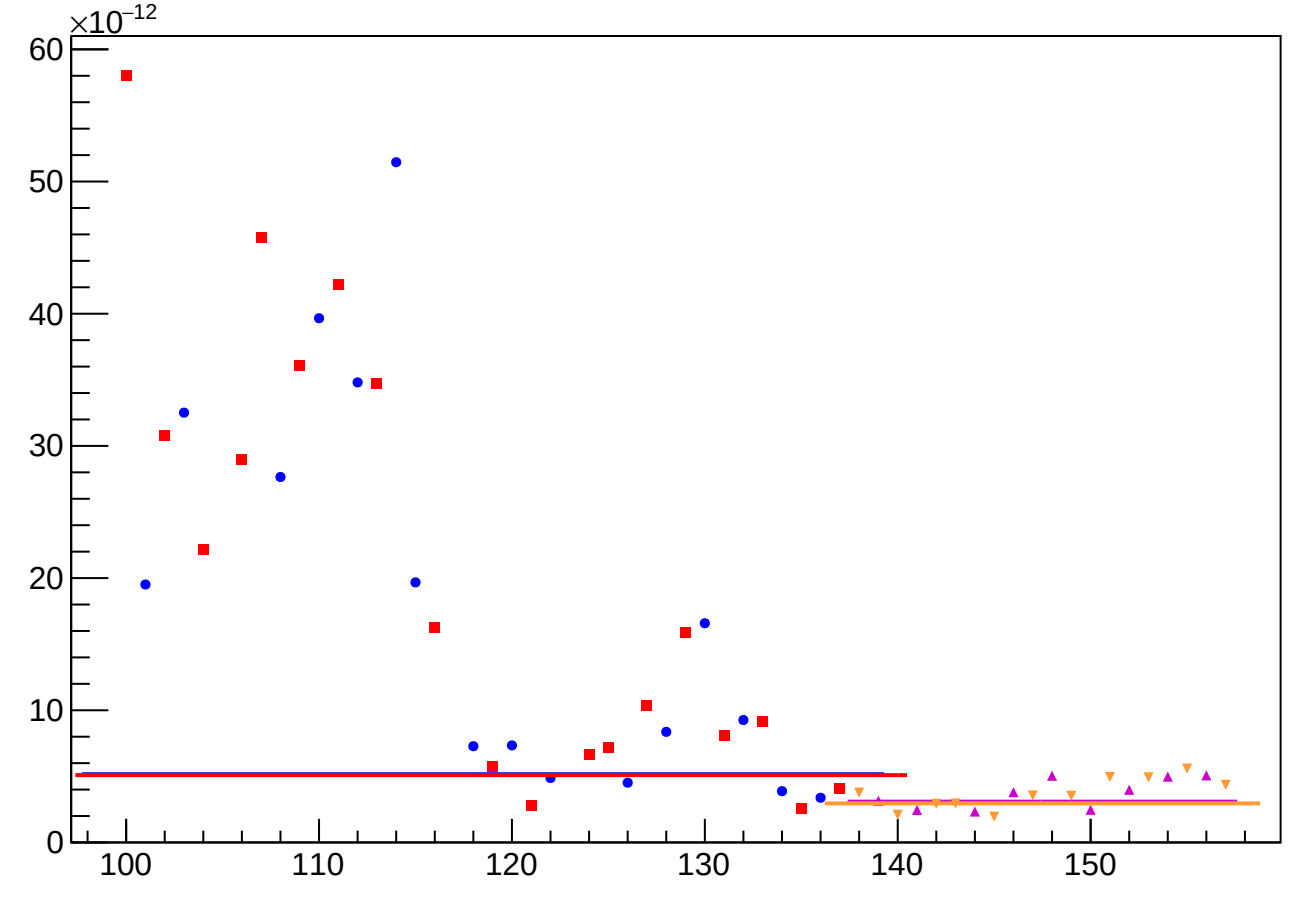
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 28.2/26

All: -0.000+/-0.000 χ^2/NDF: 53.3/54

- sign -0.000+/-0.000 χ^2/NDF: 24.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:894351.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

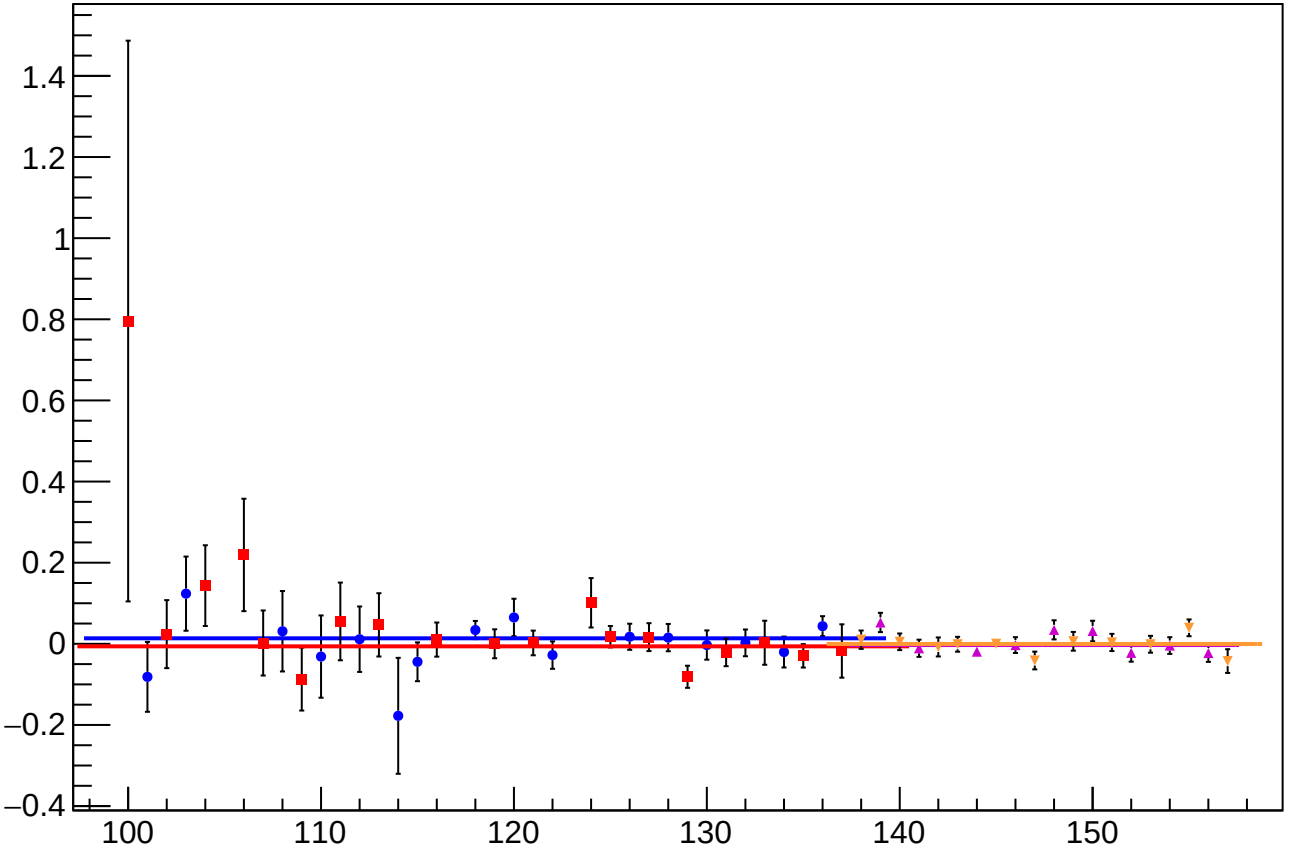
Left In: 0.000+/-0.000 χ^2/NDF:542508.4/8

+ sign 0.000+/-0.000 χ^2/NDF: 4115708.1/26

All: 0.000+/-0.000 χ^2/NDF: 8327019.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4206518.3/27

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

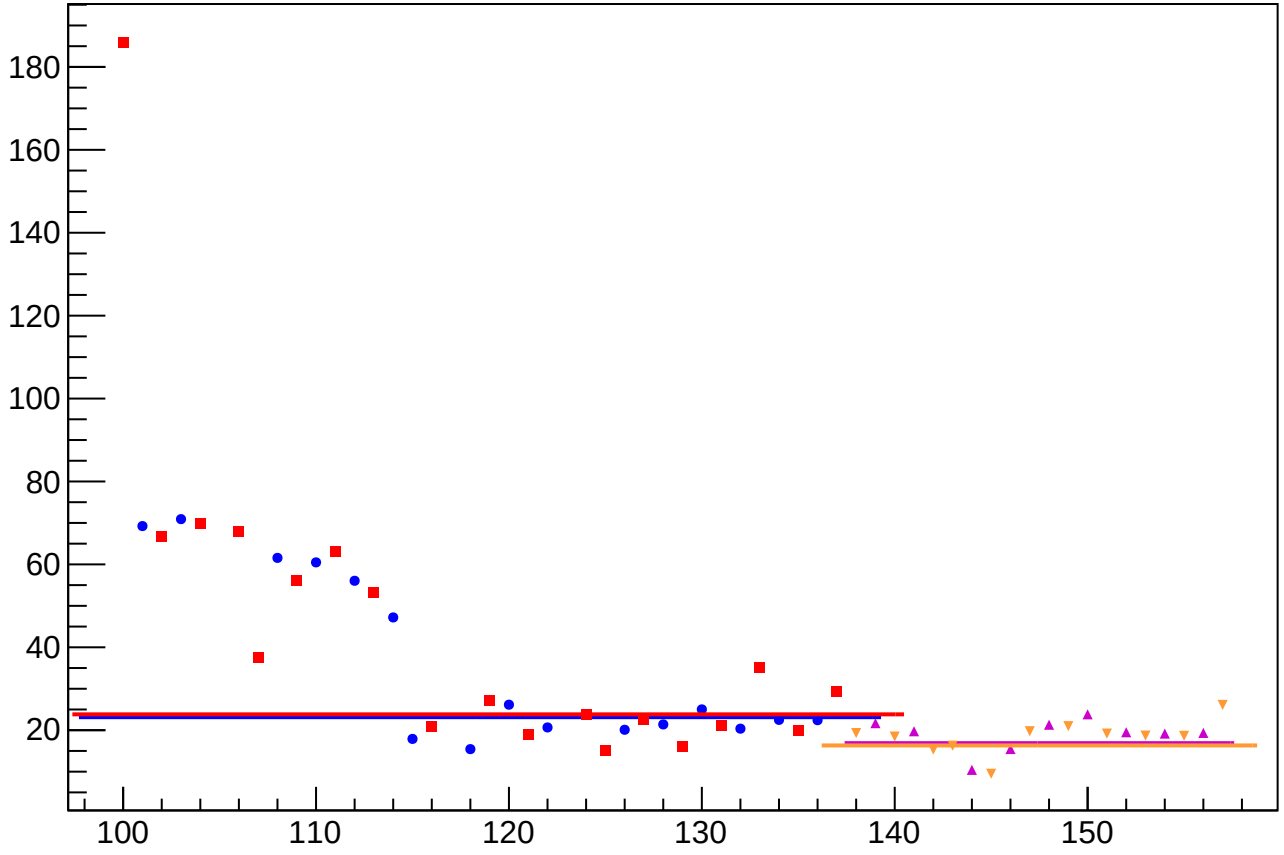
Left In: -0.003+/-0.006 χ^2/NDF:13.5/8

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: -0.000+/-0.004 χ^2/NDF: 59.5/54

- sign -0.004+/-0.005 χ^2/NDF: 35.0/27

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.326+/-0.004 χ^2/NDF:1232742.0/10

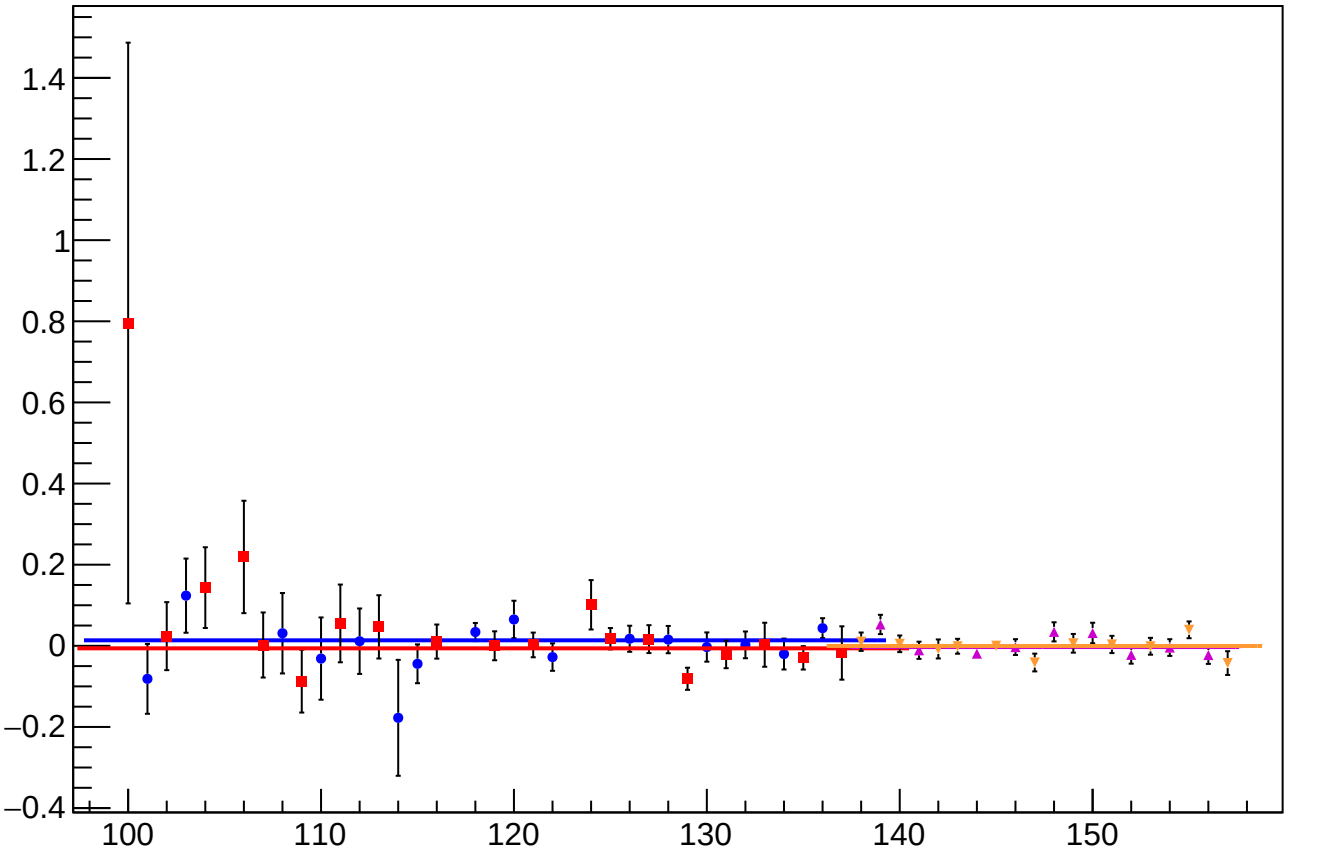
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.874+/-0.005 χ^2/NDF:1028905.4/8

\+ sign 18.117+/-0.004 χ^2/NDF: 4346391.5/26

All: 18.485+/-0.003 χ^2/NDF: 8970778.4/54

\- sign 18.914+/-0.004 χ^2/NDF: 4601382.8/27



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

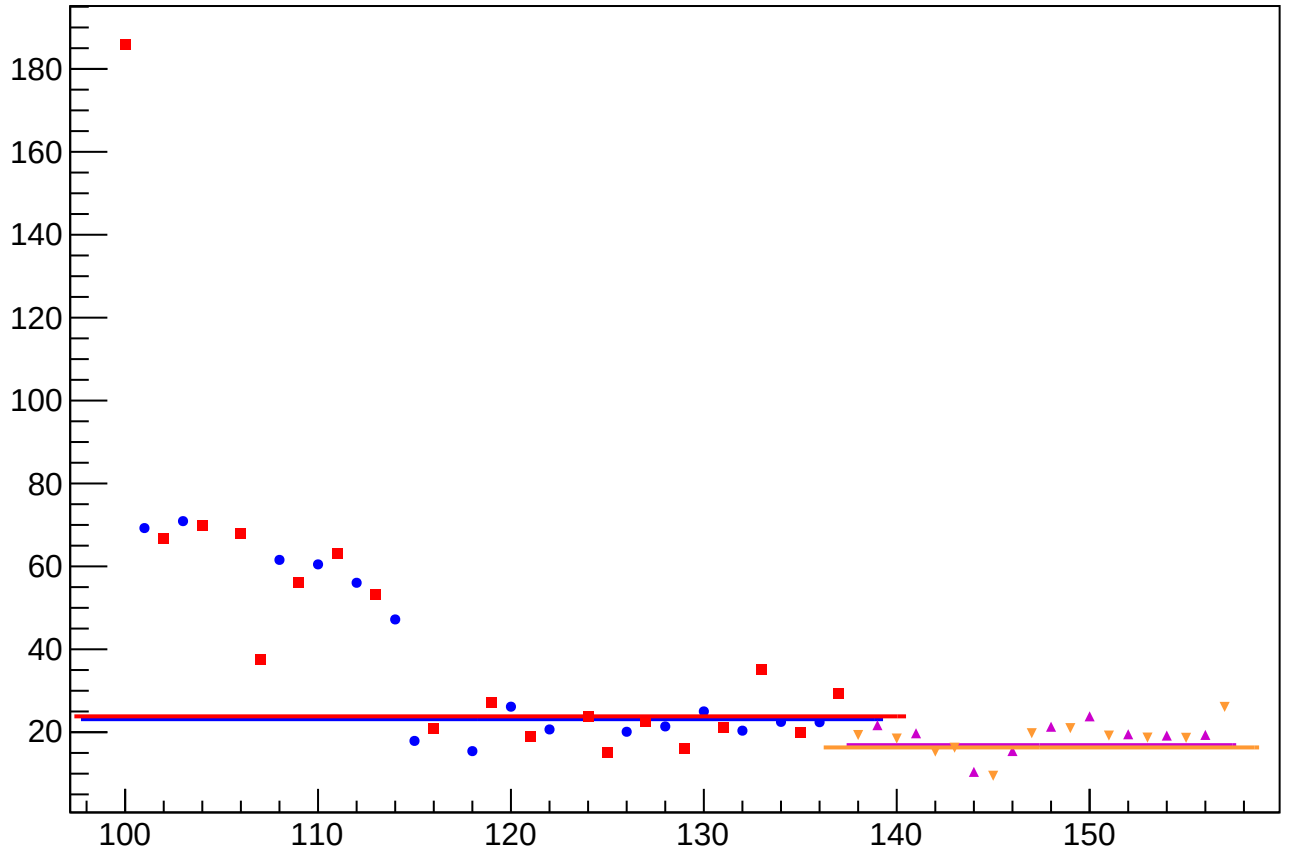
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.006 χ^2/NDF:13.5/8

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: -0.000+/-0.004 χ^2/NDF: 59.5/54

- sign -0.004+/-0.005 χ^2/NDF: 35.0/27



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.326+/-0.004 χ^2/NDF:1232742.0/10

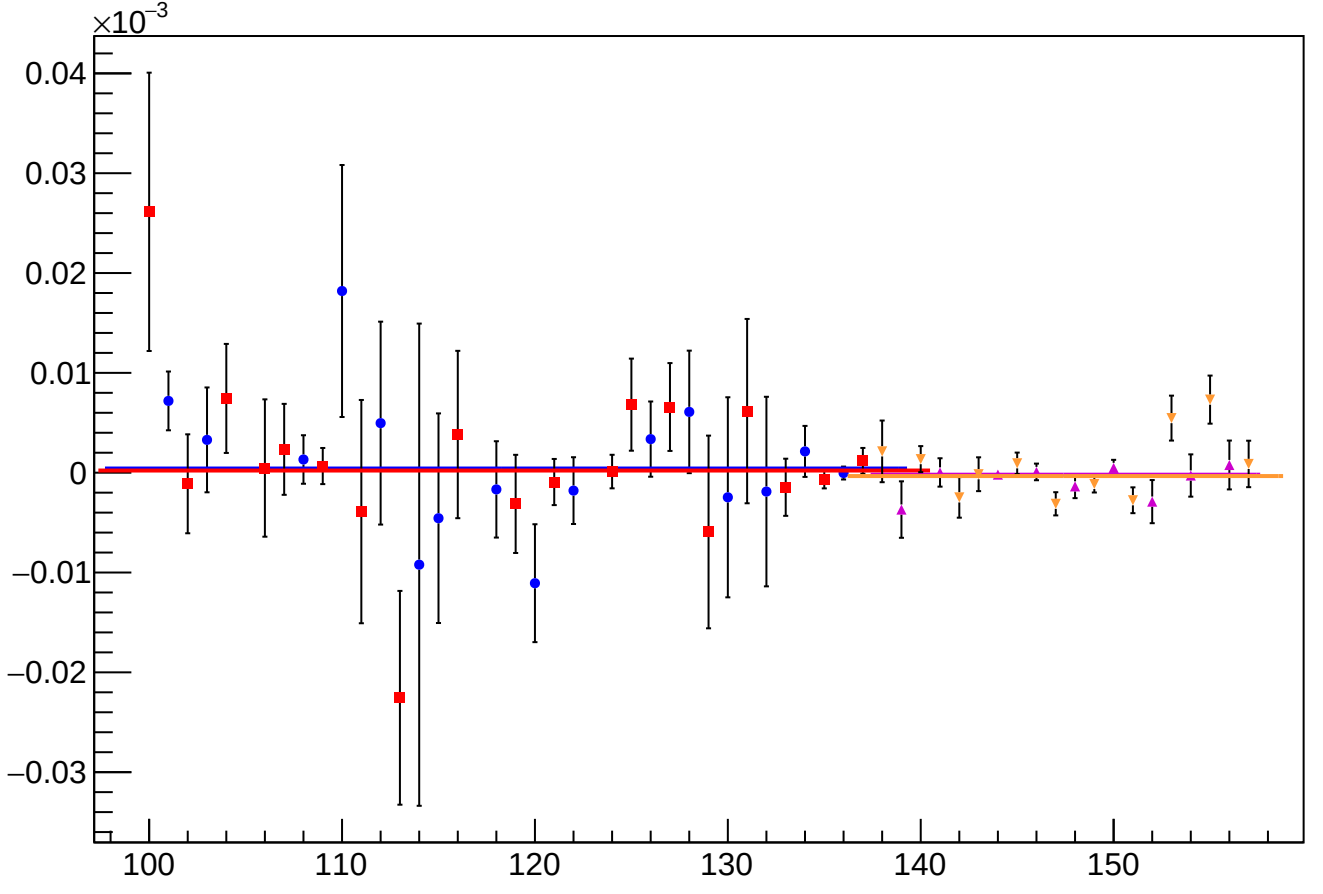
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.874+/-0.005 χ^2/NDF:1028905.4/8

\+ sign 18.117+/-0.004 χ^2/NDF: 4346391.5/26

All: 18.485+/-0.003 χ^2/NDF: 8970778.4/54

\- sign 18.914+/-0.004 χ^2/NDF: 4601382.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.0/10

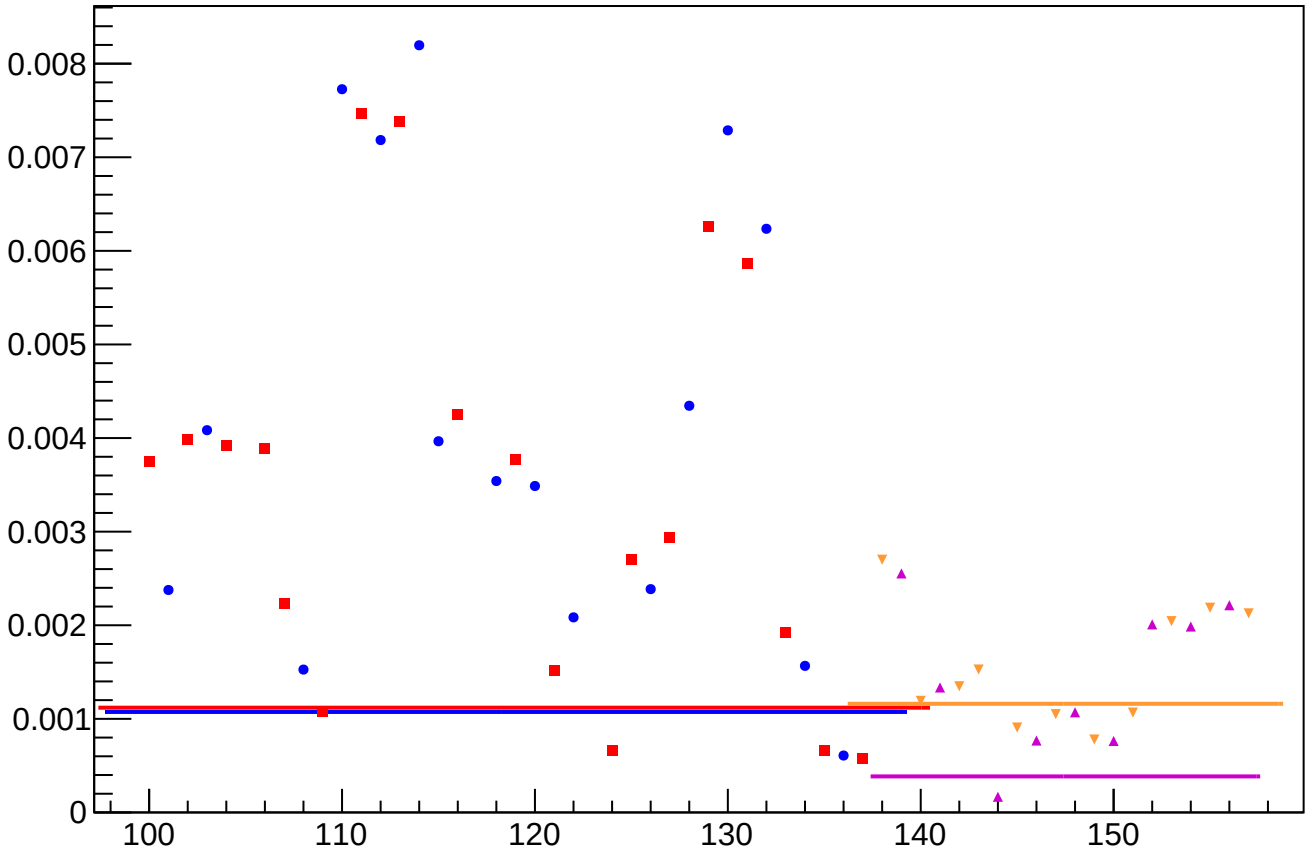
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/8

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/26

All: -0.000+/-0.000 χ^2/NDF: 71.9/54

- sign -0.000+/-0.000 χ^2/NDF: 23.4/27



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2164744.8/10

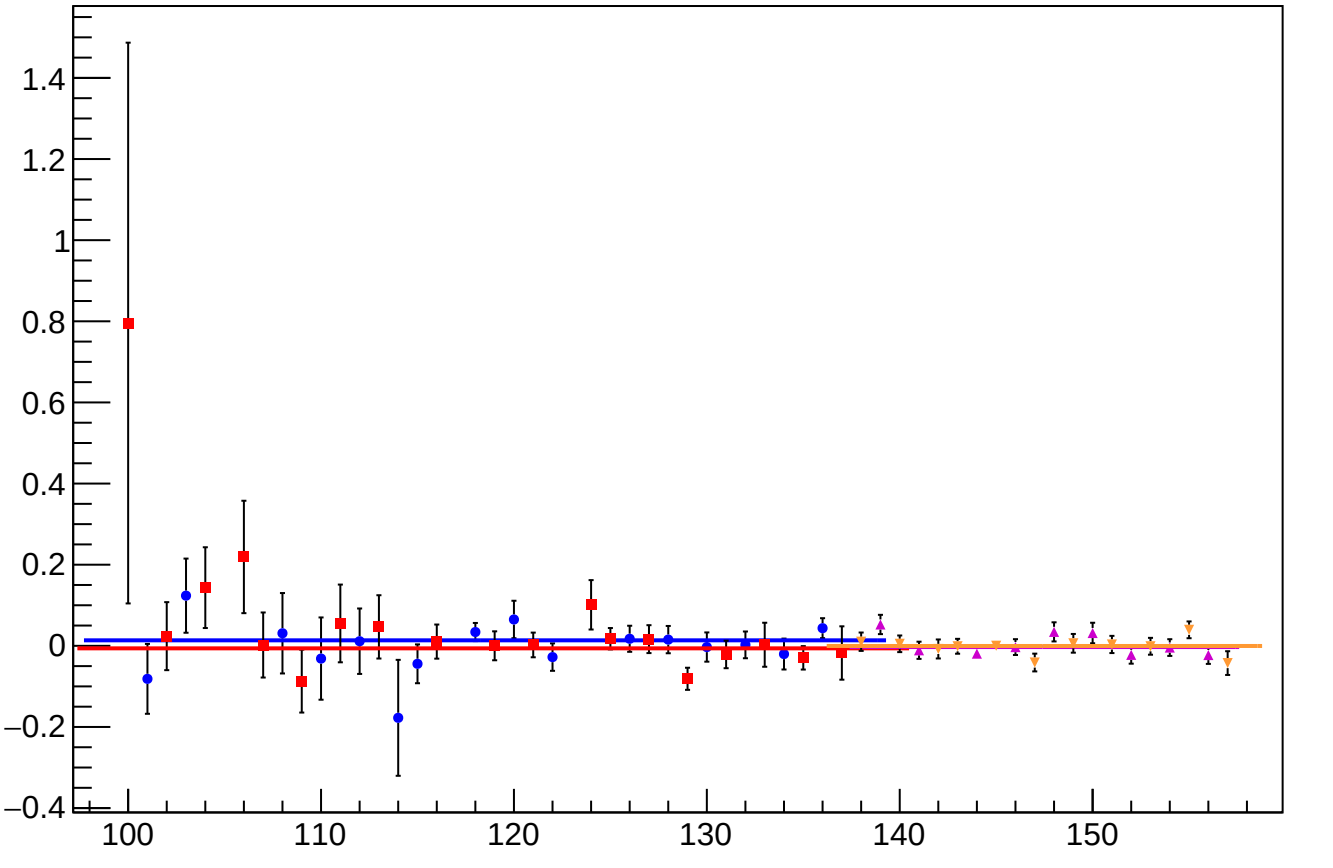
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8465391.7/8

+ sign 0.001+/-0.000 χ^2/NDF: 9240462.7/26

All: 0.001+/-0.000 χ^2/NDF: 32668515.6/54

- sign 0.000+/-0.000 χ^2/NDF: 18159493.1/27



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.006 χ^2/NDF:9.8/10

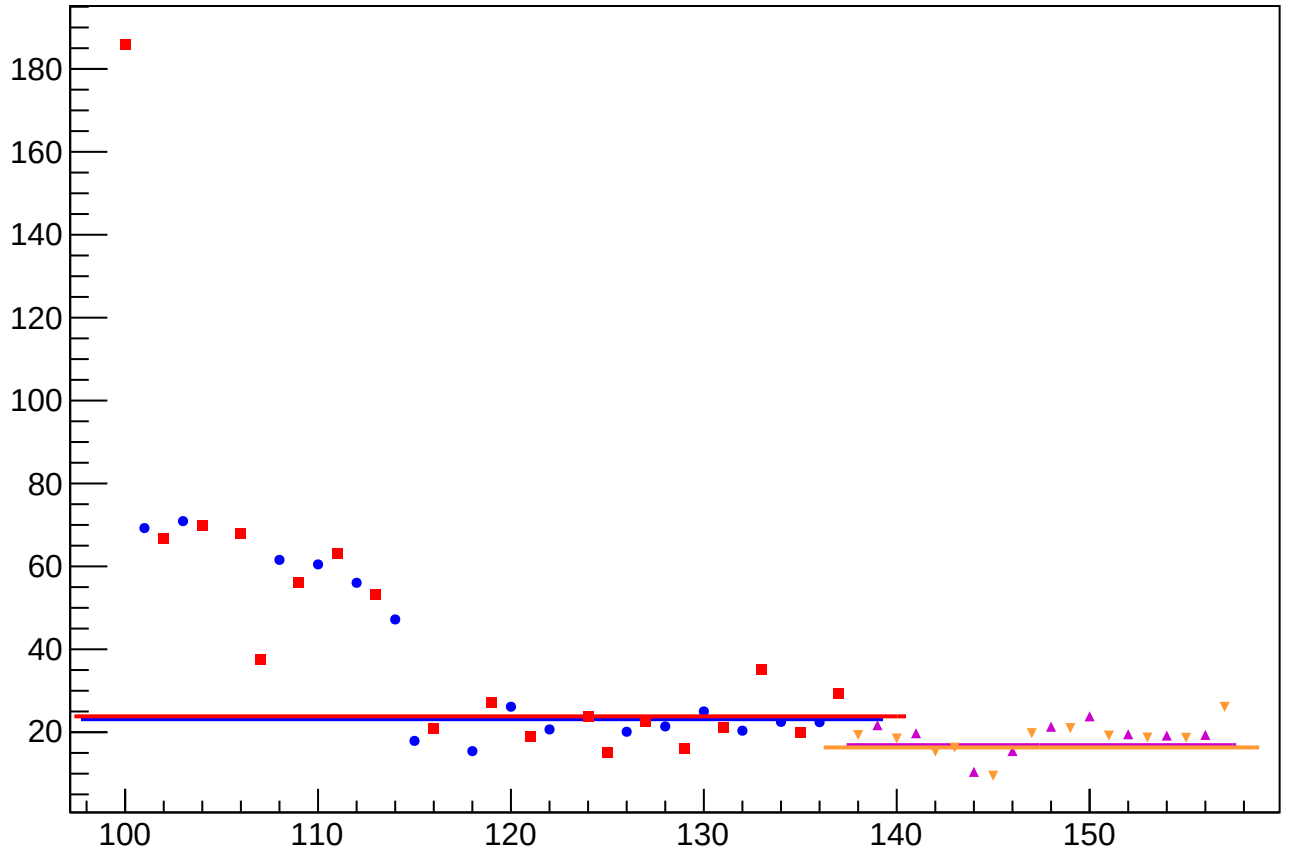
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.006 χ^2/NDF:13.5/8

+ sign 0.003+/-0.005 χ^2/NDF: 23.6/26

All: -0.000+/-0.004 χ^2/NDF: 59.6/54

- sign -0.004+/-0.005 χ^2/NDF: 35.0/27



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.327+/-0.004 χ^2/NDF:1232847.9/10

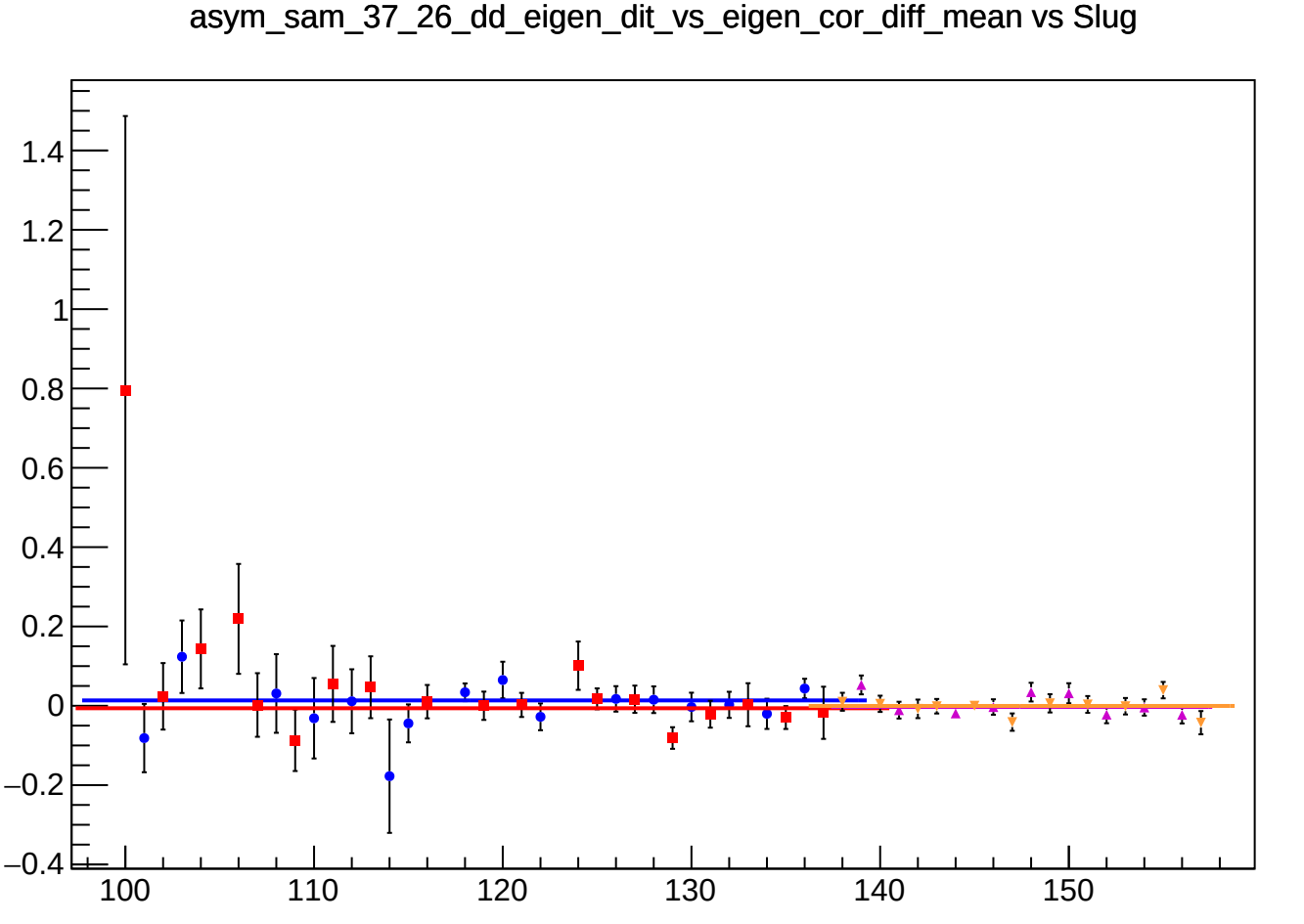
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

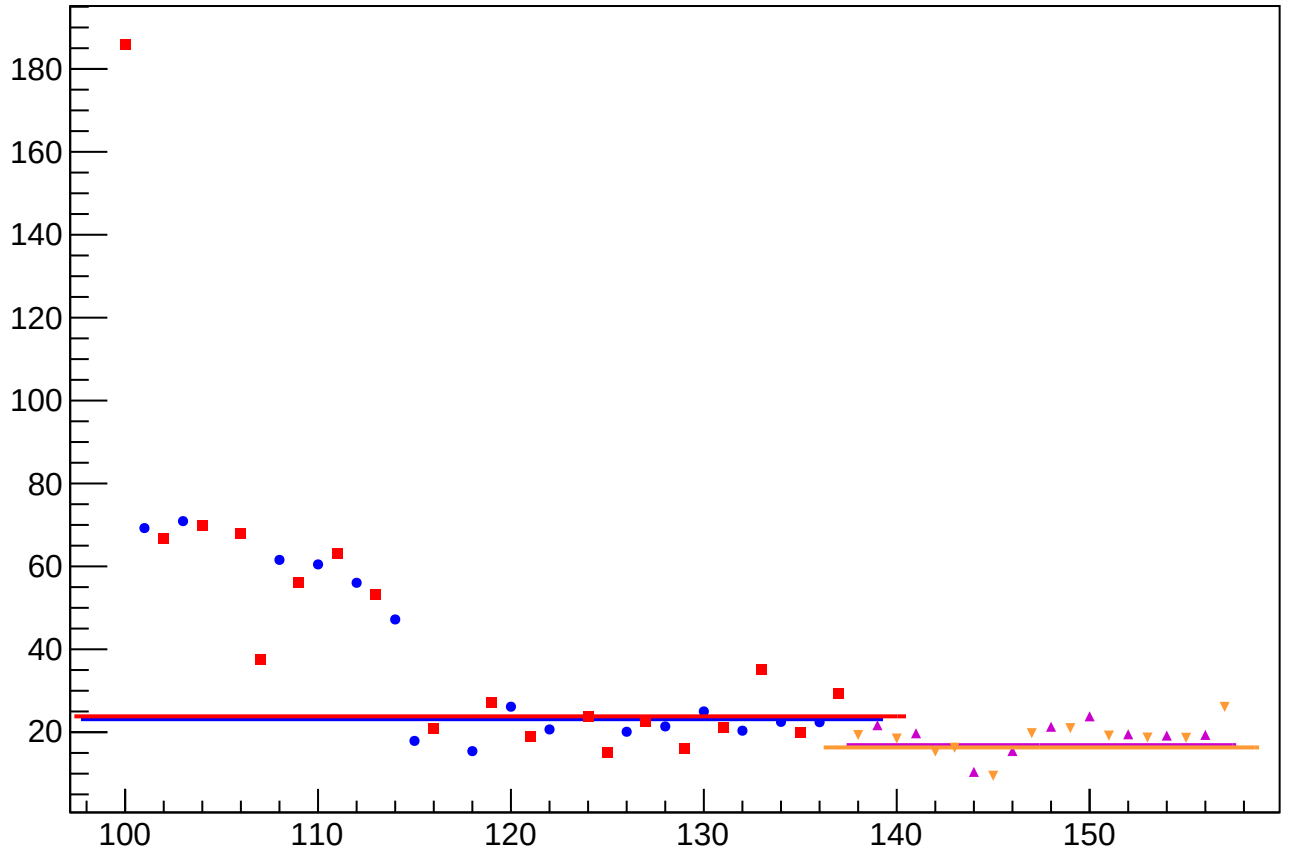
Left In: 16.874+/-0.005 χ^2/NDF:1028883.0/8

+ sign 18.117+/-0.004 χ^2/NDF: 4346282.4/26

All: 18.485+/-0.003 χ^2/NDF: 8970472.3/54

- sign 18.914+/-0.004 χ^2/NDF: 4601175.9/27


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.006 χ²/NDF:9.8/10
Right Out: -0.006+/-0.010 χ²/NDF: 21.5/18
Left In: -0.003+/-0.006 χ²/NDF:13.5/8
+ sign 0.003+/-0.005 χ²/NDF: 23.6/26
All: -0.000+/-0.004 χ²/NDF: 59.6/54
- sign -0.004+/-0.005 χ²/NDF: 35.0/27



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.327+/-0.004 χ^2/NDF:1232847.9/10

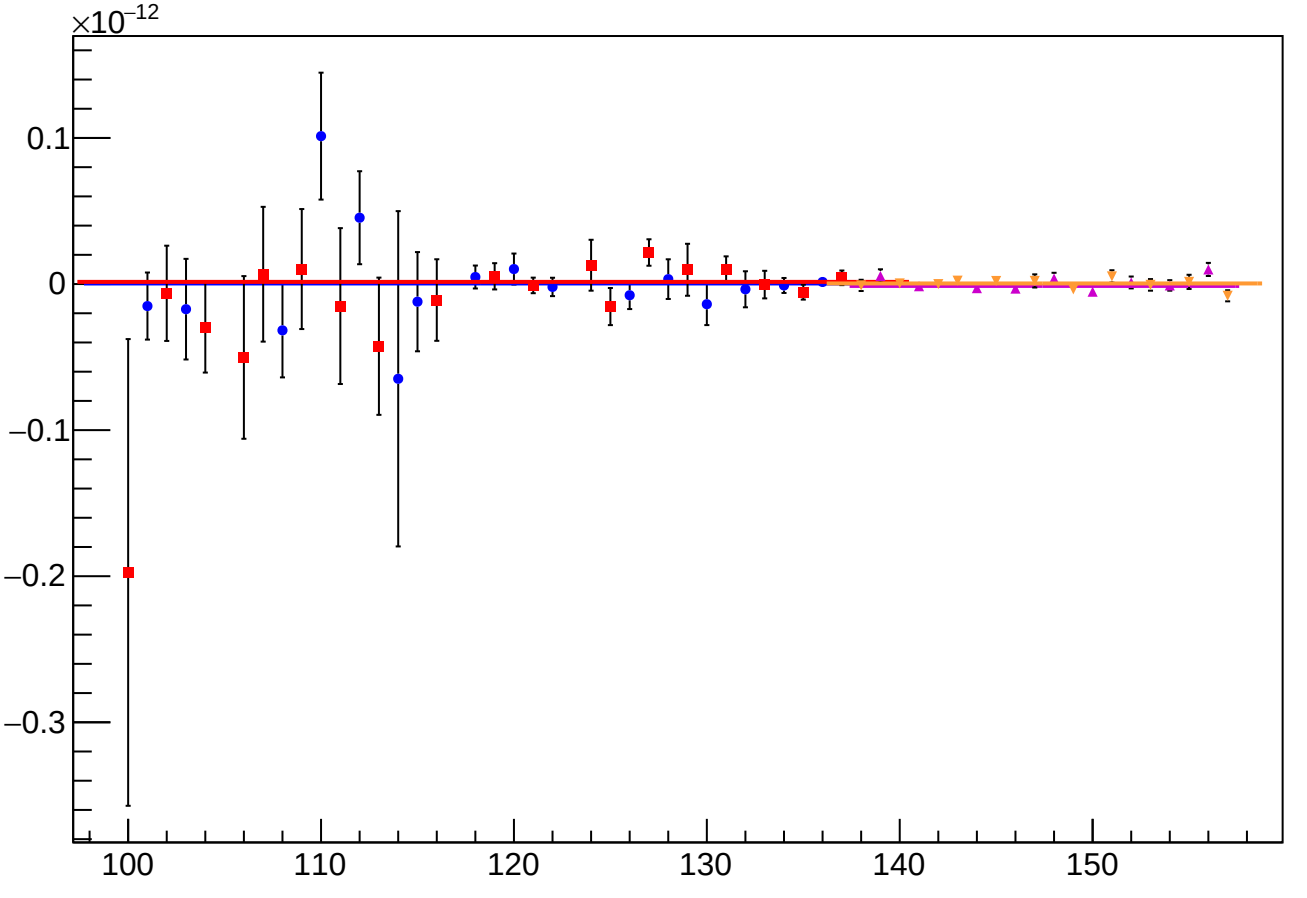
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.874+/-0.005 χ^2/NDF:1028883.0/8

+ sign 18.117+/-0.004 χ^2/NDF: 4346282.4/26

All: 18.485+/-0.003 χ^2/NDF: 8970472.3/54

- sign 18.914+/-0.004 χ^2/NDF: 4601175.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/10

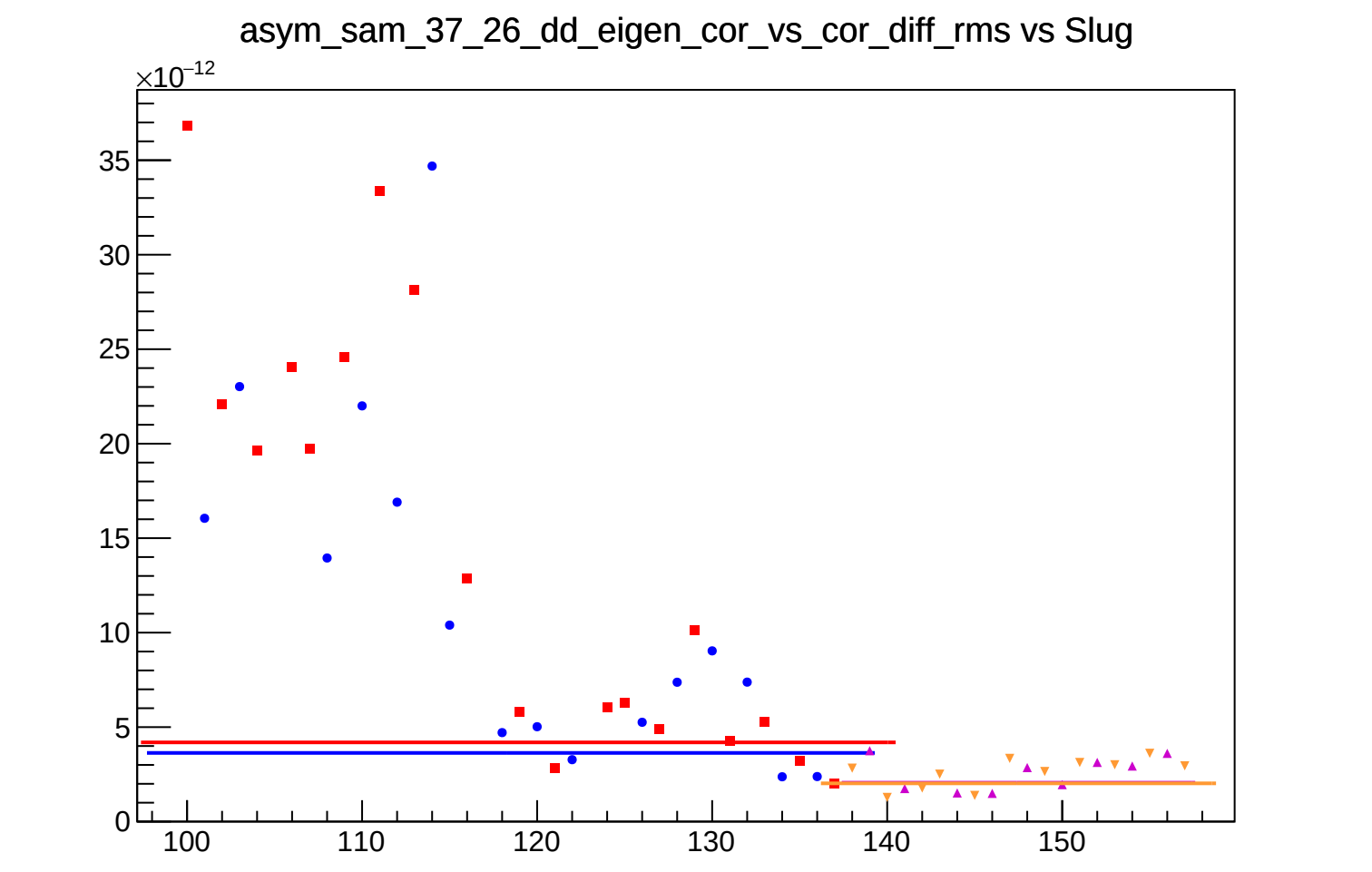
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/8

+ sign 0.000+/-0.000 χ^2/NDF: 22.1/26

All: -0.000+/-0.000 χ^2/NDF: 54.1/54

- sign -0.000+/-0.000 χ^2/NDF: 30.8/27



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1609978.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

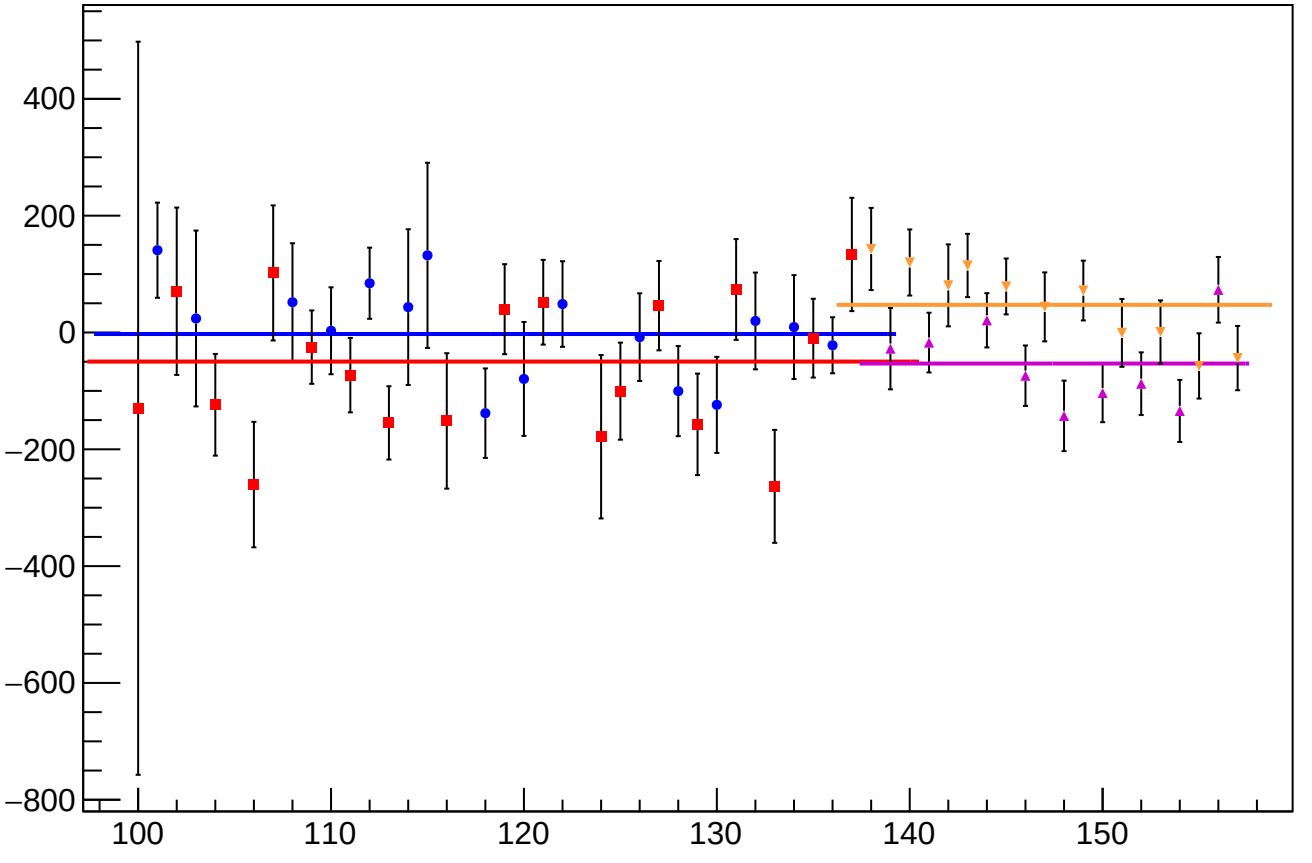
Left In: 0.000+/-0.000 χ^2/NDF:1192833.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 6235236.7/26

All: 0.000+/-0.000 χ^2/NDF: 13302370.7/54

- sign 0.000+/-0.000 χ^2/NDF: 7058815.2/27

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 47.342+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

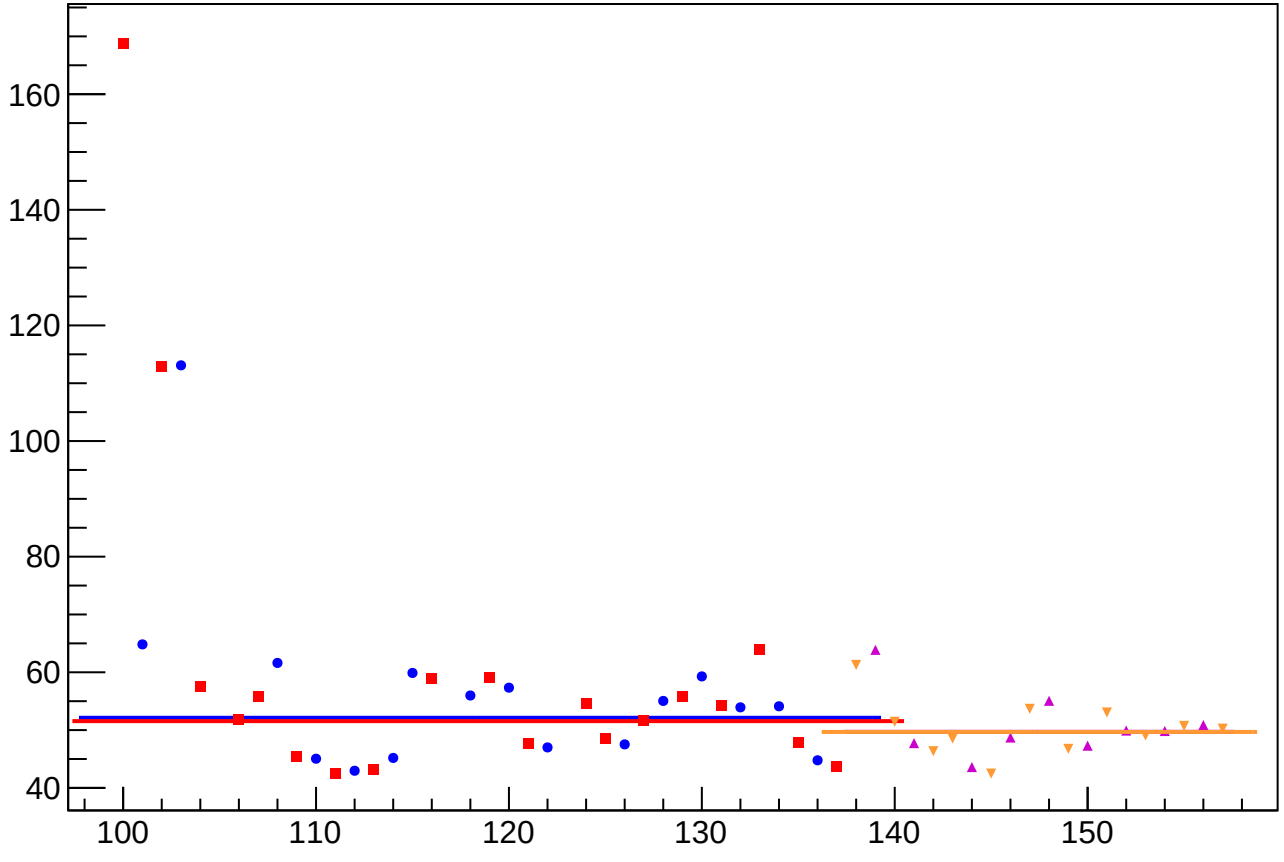
Left In: -53.164+/-17.905 χ^2/NDF:14.3/8

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.847+/-9.256 χ^2/NDF: 93.3/54

- sign -51.640+/-13.226 χ^2/NDF: 43.7/27

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

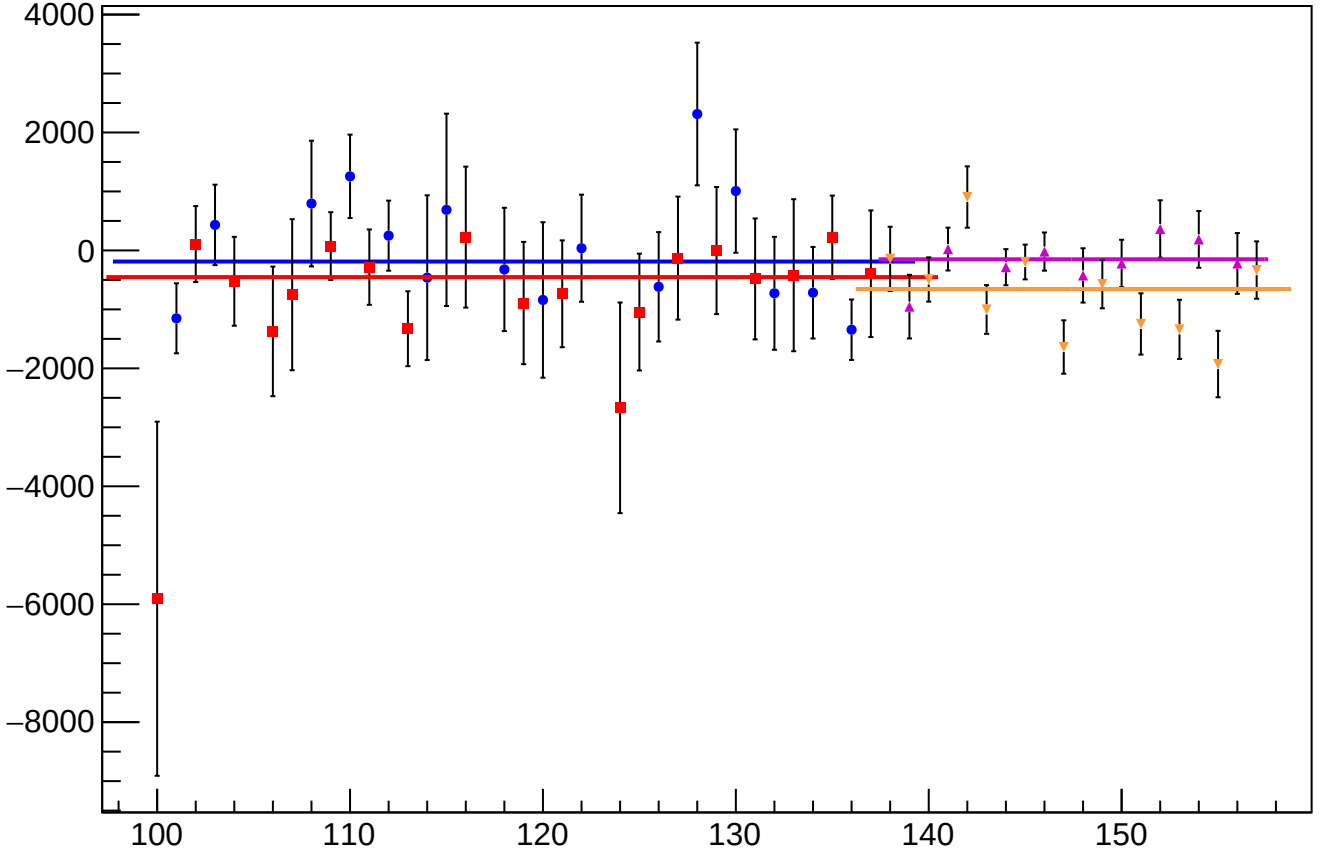
Left In: 49.699+/-0.013 χ^2/NDF:142326.5/8

+ sign 50.710+/-0.009 χ^2/NDF: 710945.8/26

All: 50.627+/-0.007 χ^2/NDF: 1502713.4/54

- sign 50.540+/-0.009 χ^2/NDF: 791599.5/27

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -654.183+/-132.035 χ^2/NDF:26.6/10

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

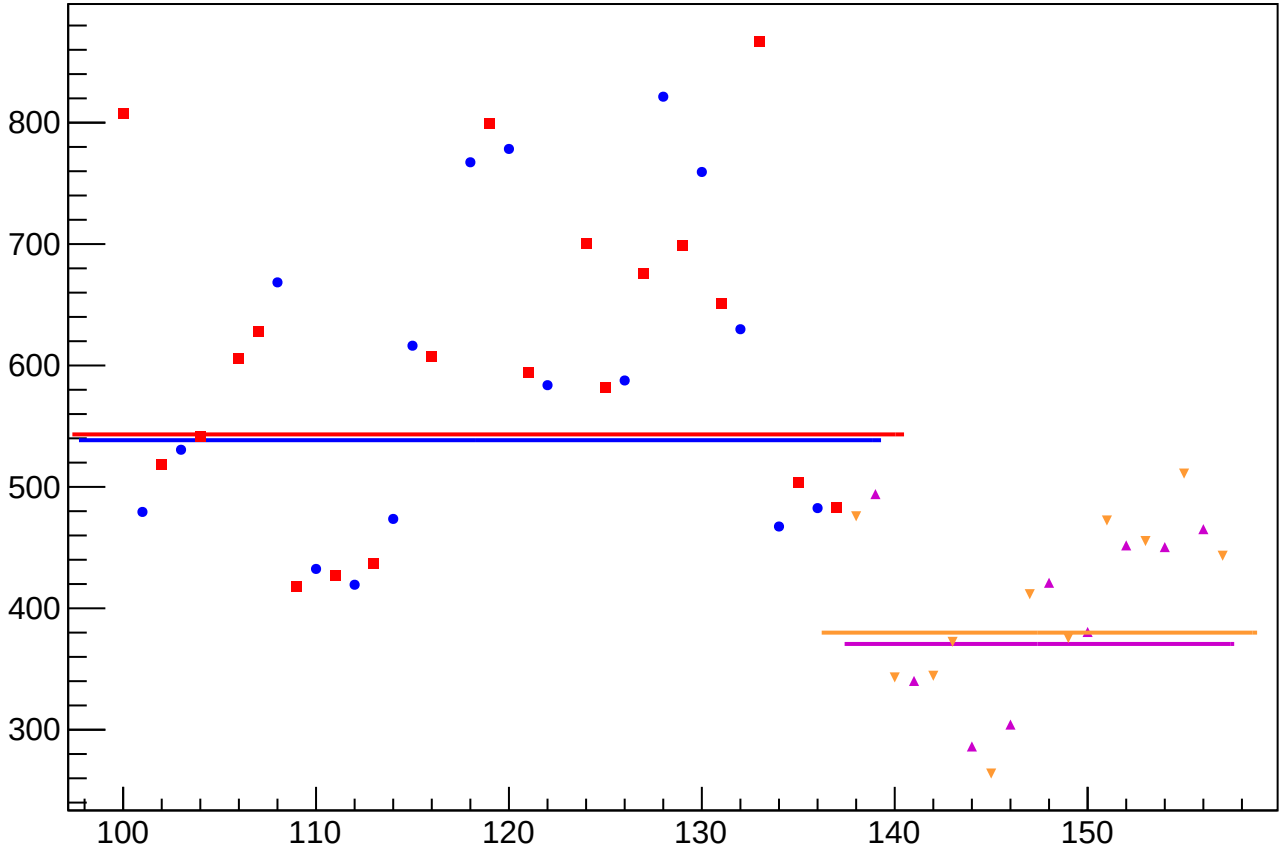
Left In: -150.358+/-135.482 χ^2/NDF:4.8/8

+ sign -518.423+/-111.132 χ^2/NDF: 51.6/26

All: -382.769+/-79.181 χ^2/NDF: 72.3/54

- sign -242.898+/-112.846 χ^2/NDF: 17.6/27

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 379.979+/-0.093 χ^2/NDF:661580.2/10

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

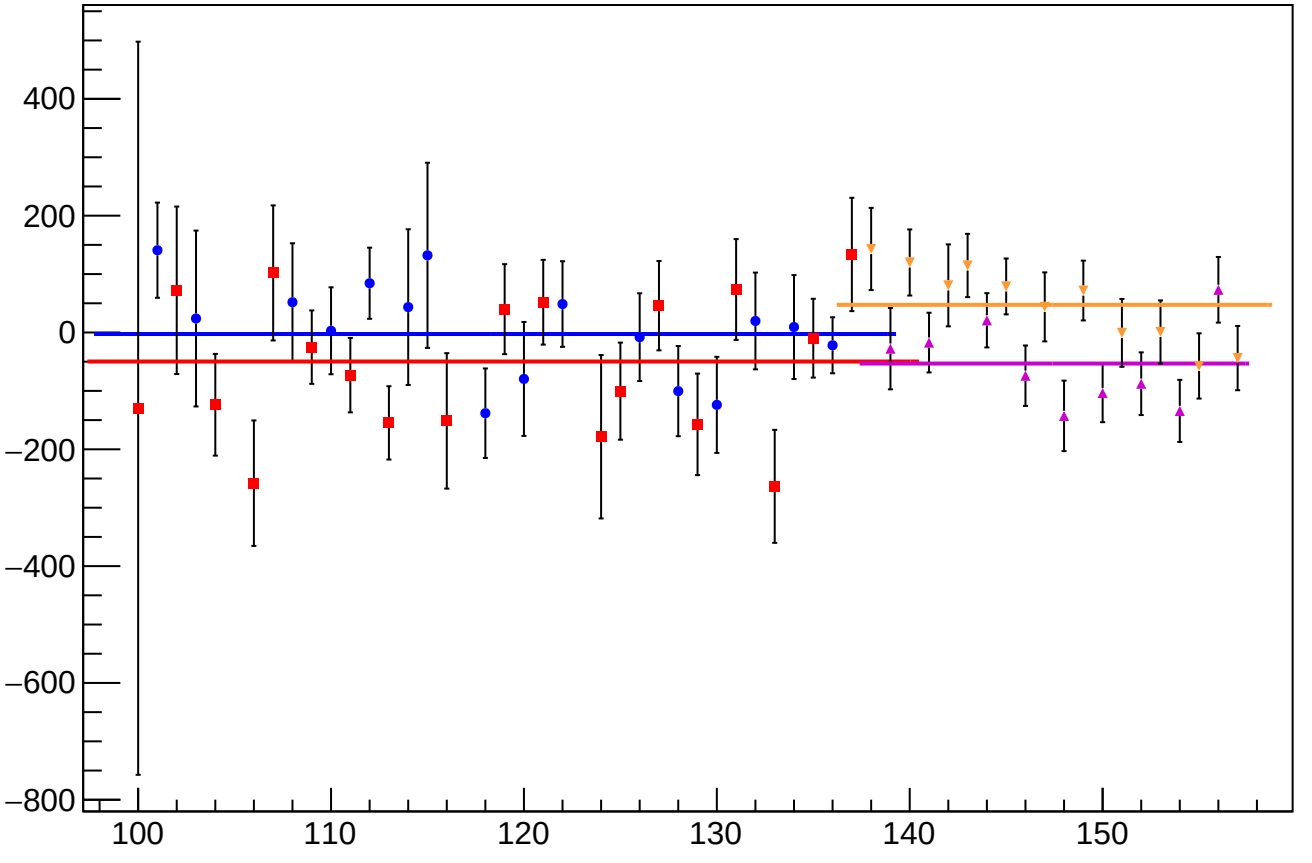
Left In: 370.655+/-0.096 χ^2/NDF:558752.4/8

+ sign 426.189+/-0.079 χ^2/NDF: 2115789.0/26

All: 424.869+/-0.056 χ^2/NDF: 4306138.6/54

- sign 423.508+/-0.080 χ^2/NDF: 2189776.3/27

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

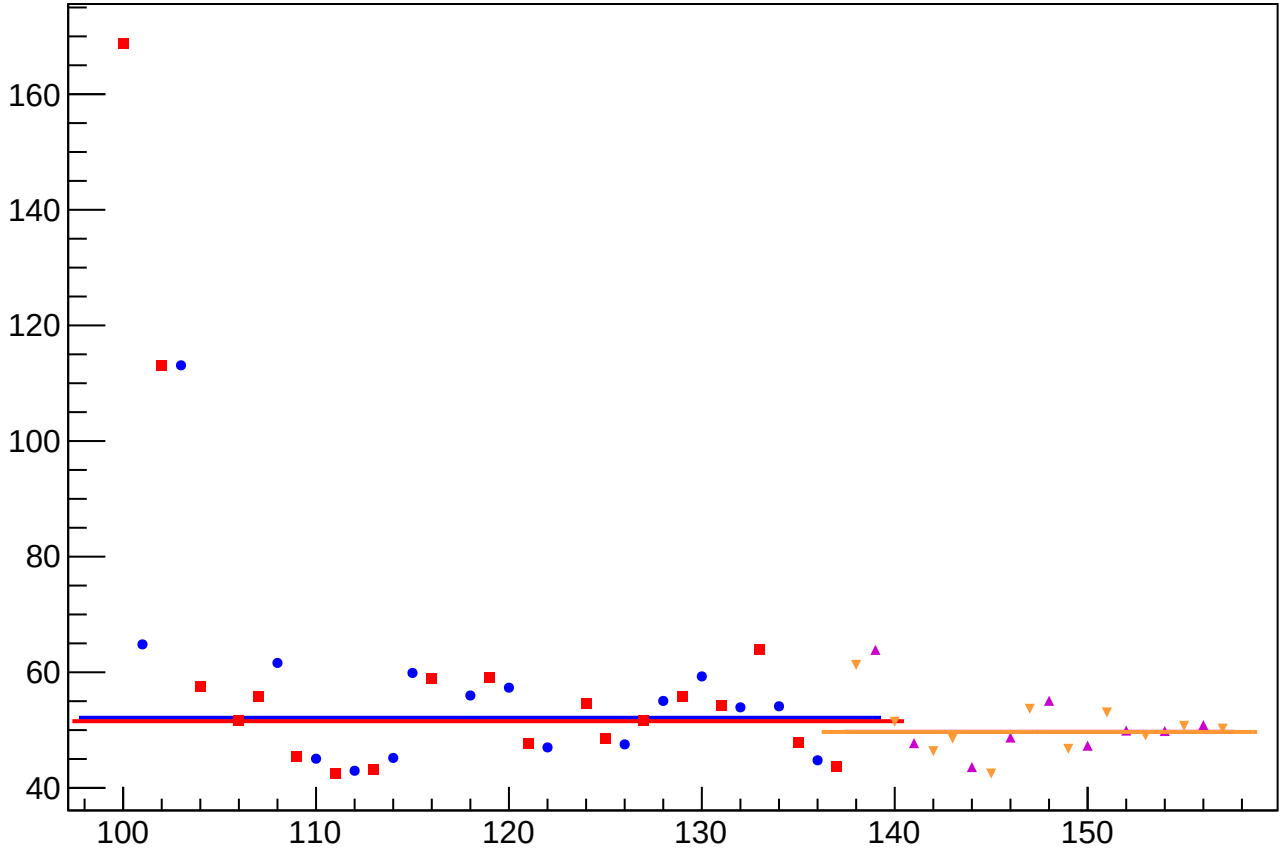
Left In: -53.164+/-17.905 χ^2/NDF:14.3/8

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.821+/-9.256 χ^2/NDF: 93.2/54

- sign -51.587+/-13.226 χ^2/NDF: 43.6/27

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

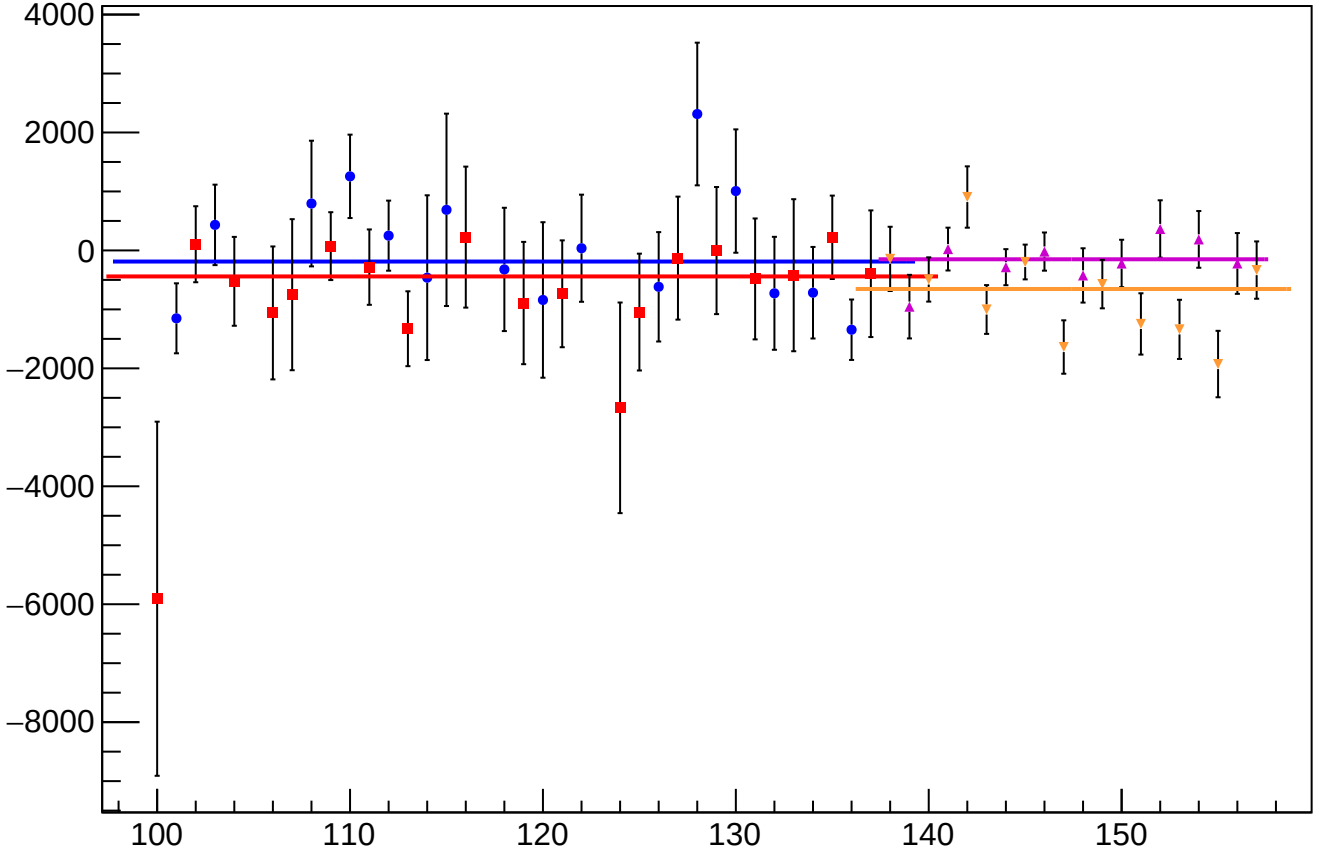
Left In: 49.699+/-0.013 χ^2/NDF:142326.5/8

+ sign 50.710+/-0.009 χ^2/NDF: 710948.1/26

All: 50.624+/-0.007 χ^2/NDF: 1502836.9/54

- sign 50.535+/-0.009 χ^2/NDF: 791711.2/27

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

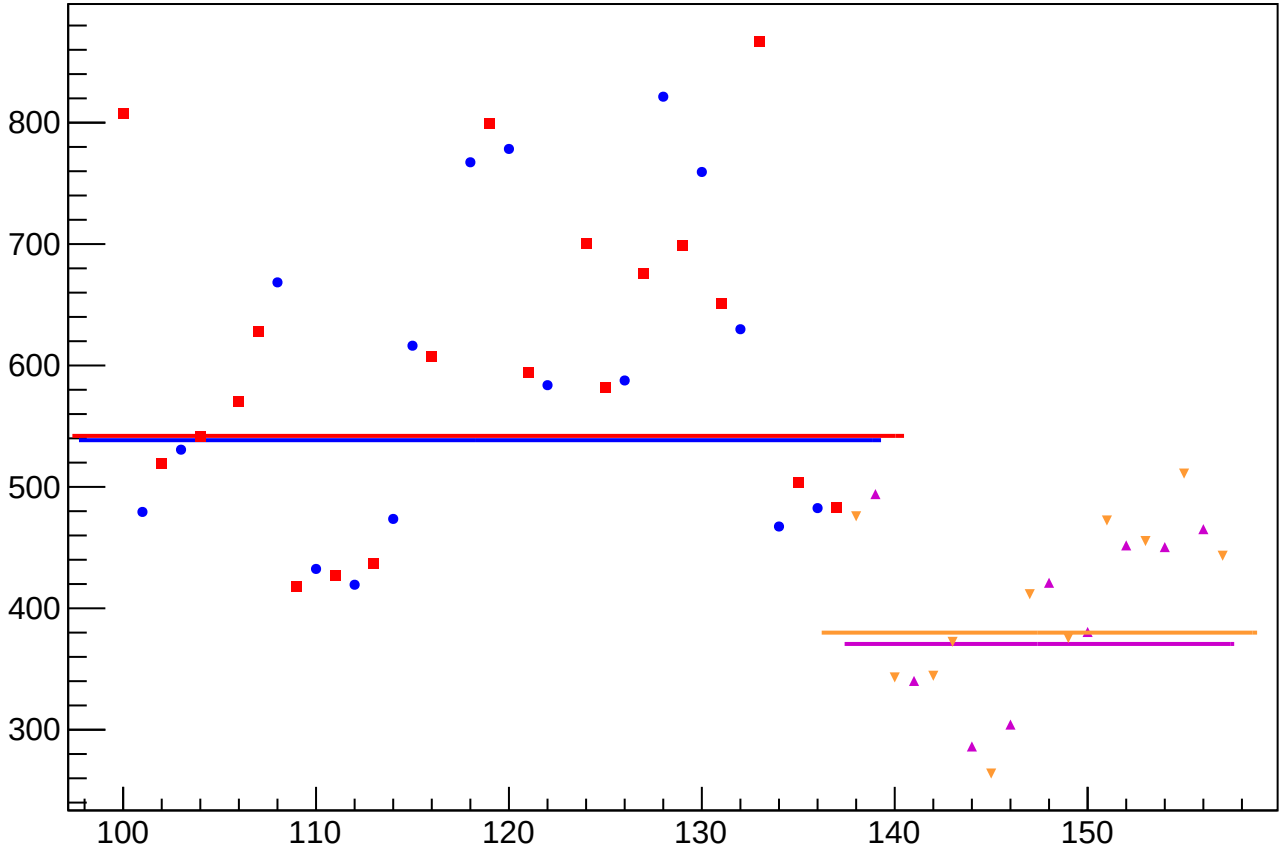
Left In: -150.361+/-135.482 χ^2/NDF:4.8/8

\+ sign -518.416+/-111.132 χ^2/NDF: 51.6/26

All: -381.035+/-79.193 χ^2/NDF: 71.8/54

\- sign -239.302+/-112.879 χ^2/NDF: 17.1/27

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

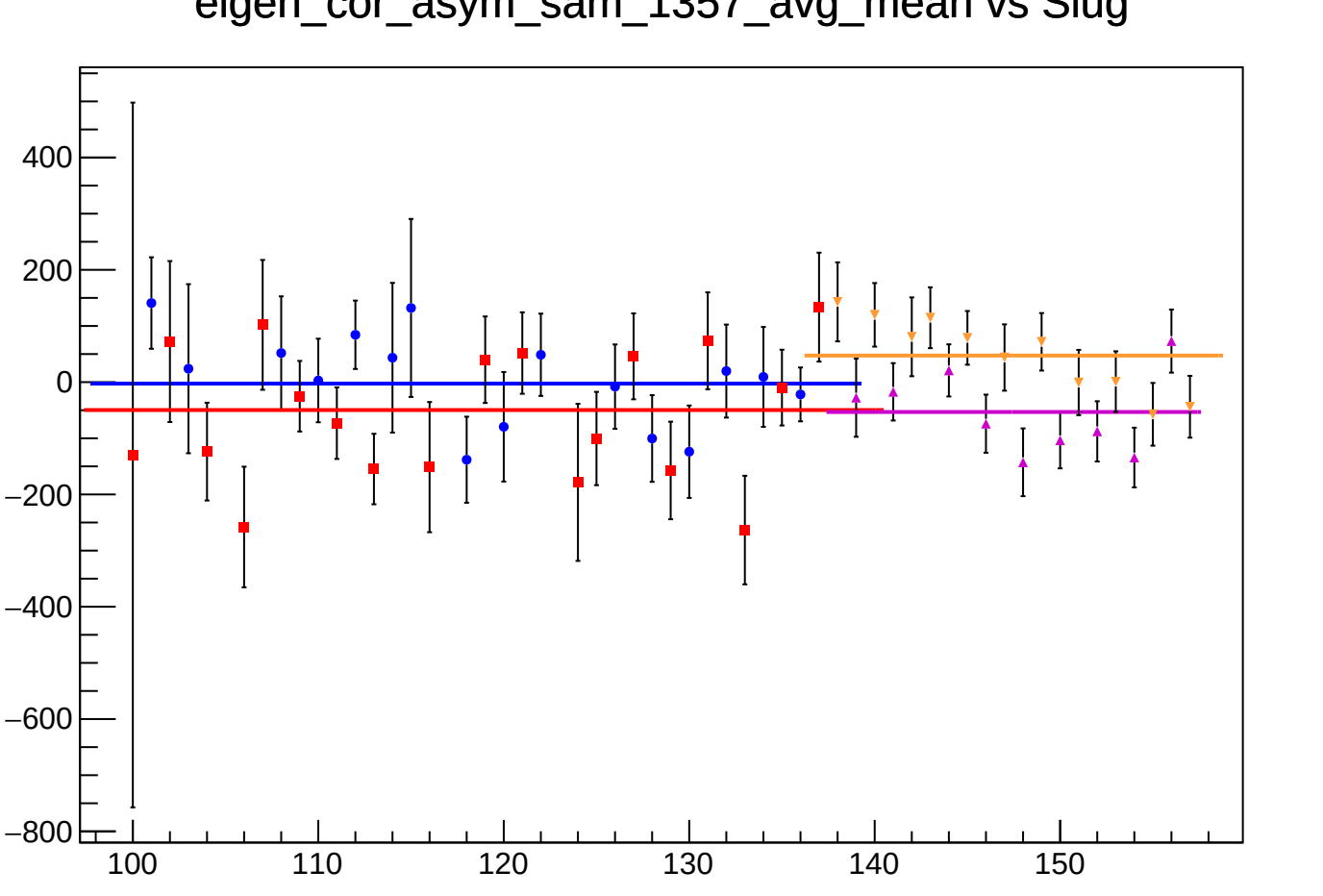
Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 370.655+/-0.096 χ^2/NDF:558750.7/8

+ sign 426.190+/-0.079 χ^2/NDF: 2115834.7/26

All: 424.652+/-0.056 χ^2/NDF: 4285584.8/54

- sign 423.066+/-0.080 χ^2/NDF: 2168972.5/27



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 47.344+/-17.017 χ^2/NDF:13.6/10

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

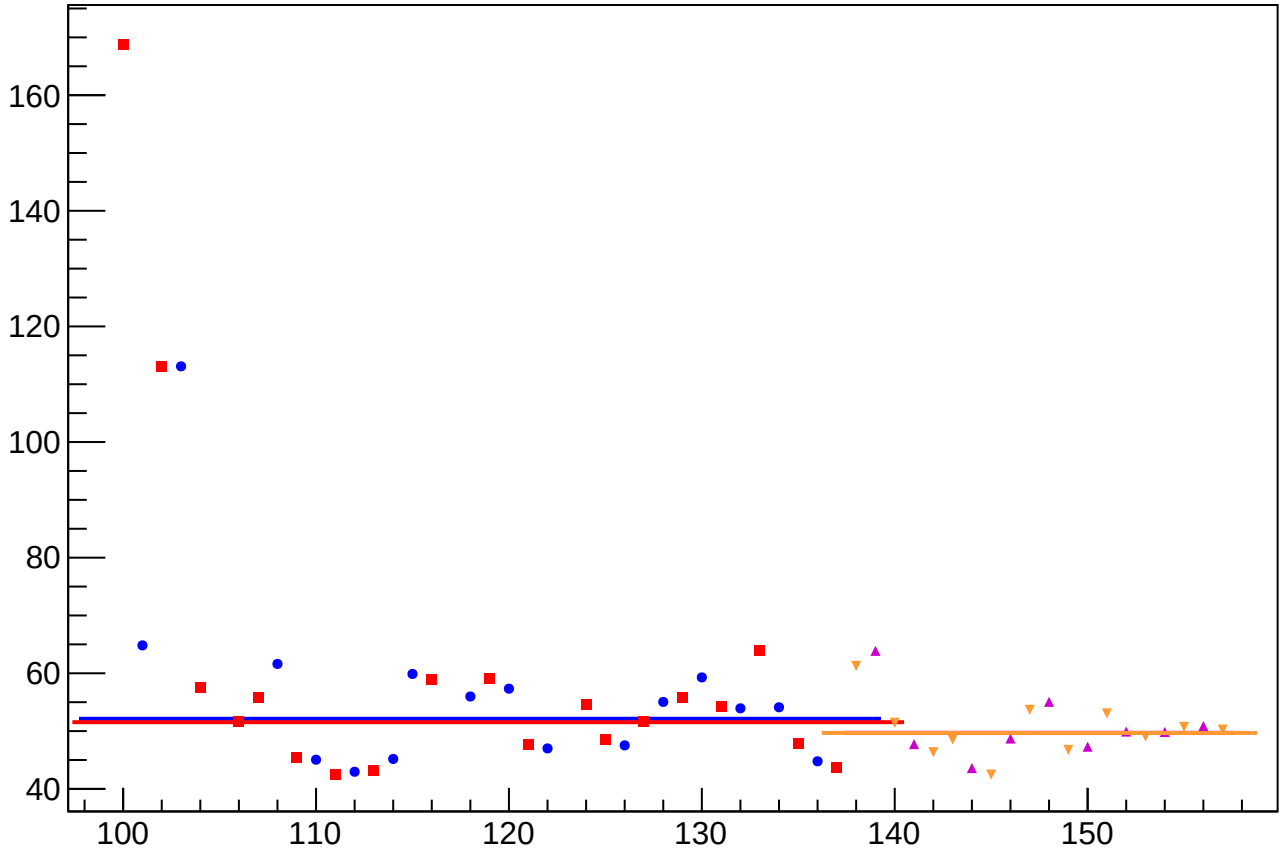
Left In: -53.164+/-17.905 χ^2/NDF:14.3/8

+ sign 26.356+/-12.959 χ^2/NDF: 31.8/26

All: -11.821+/-9.256 χ^2/NDF: 93.2/54

- sign -51.587+/-13.226 χ^2/NDF: 43.6/27

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.682+/-0.012 χ^2/NDF:130666.7/10

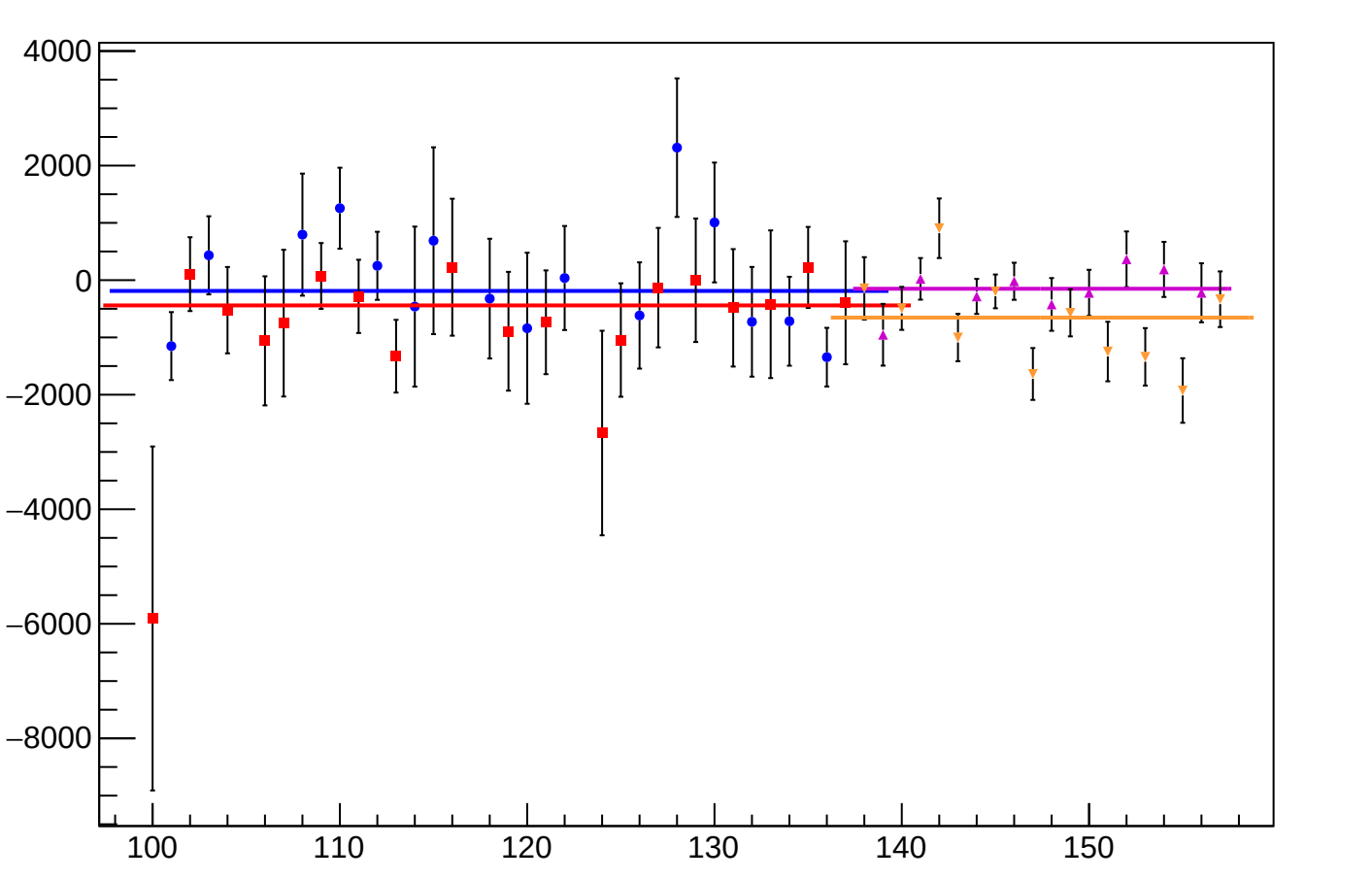
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.699+/-0.013 χ^2/NDF:142326.5/8

+ sign 50.710+/-0.009 χ^2/NDF: 710948.1/26

All: 50.624+/-0.007 χ^2/NDF: 1502836.9/54

- sign 50.535+/-0.009 χ^2/NDF: 791711.2/27



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -654.180+/-132.035 χ^2/NDF:26.6/10

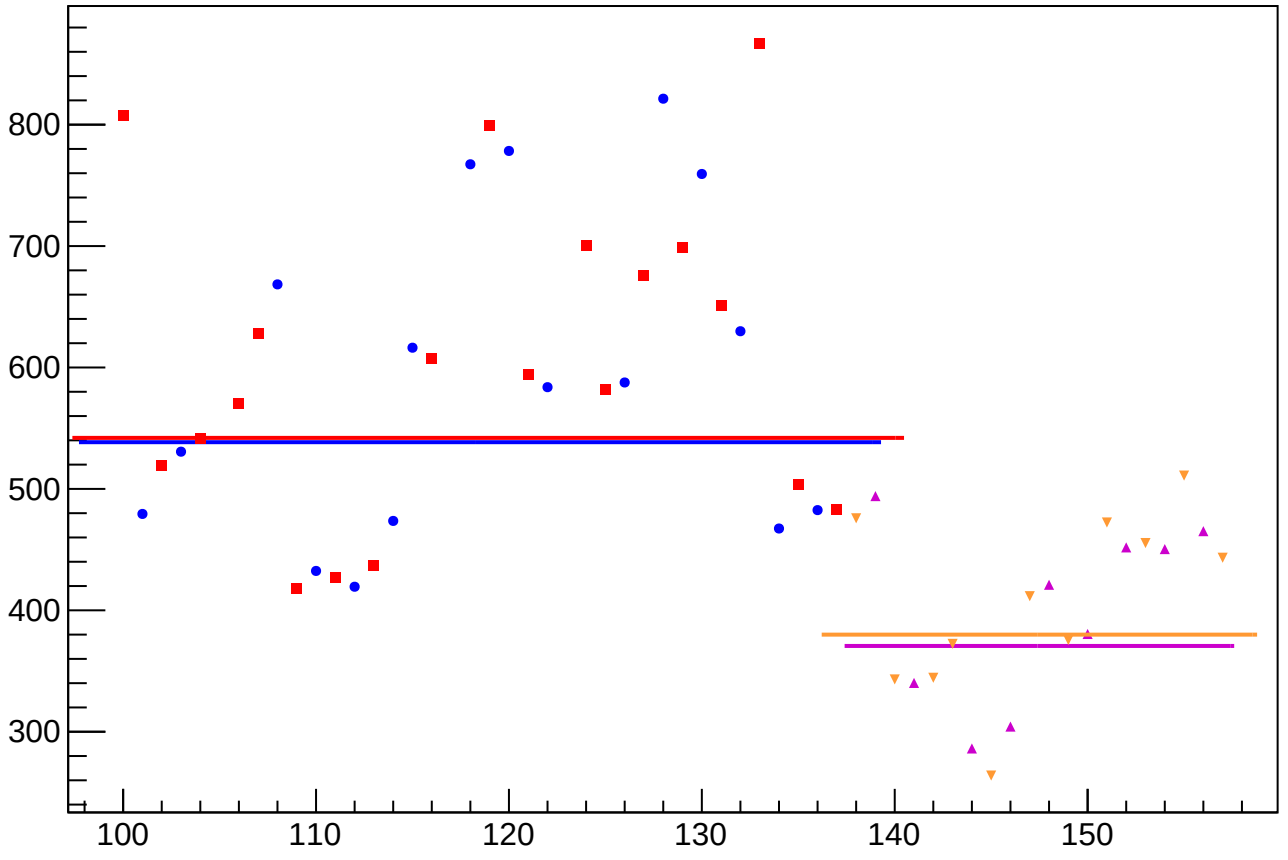
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -150.361+/-135.482 χ^2/NDF:4.8/8

\+ sign -518.416+/-111.132 χ^2/NDF: 51.6/26

All: -381.035+/-79.193 χ^2/NDF: 71.8/54

\- sign -239.302+/-112.879 χ^2/NDF: 17.1/27



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 379.978+/-0.093 χ^2/NDF:661583.5/10

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

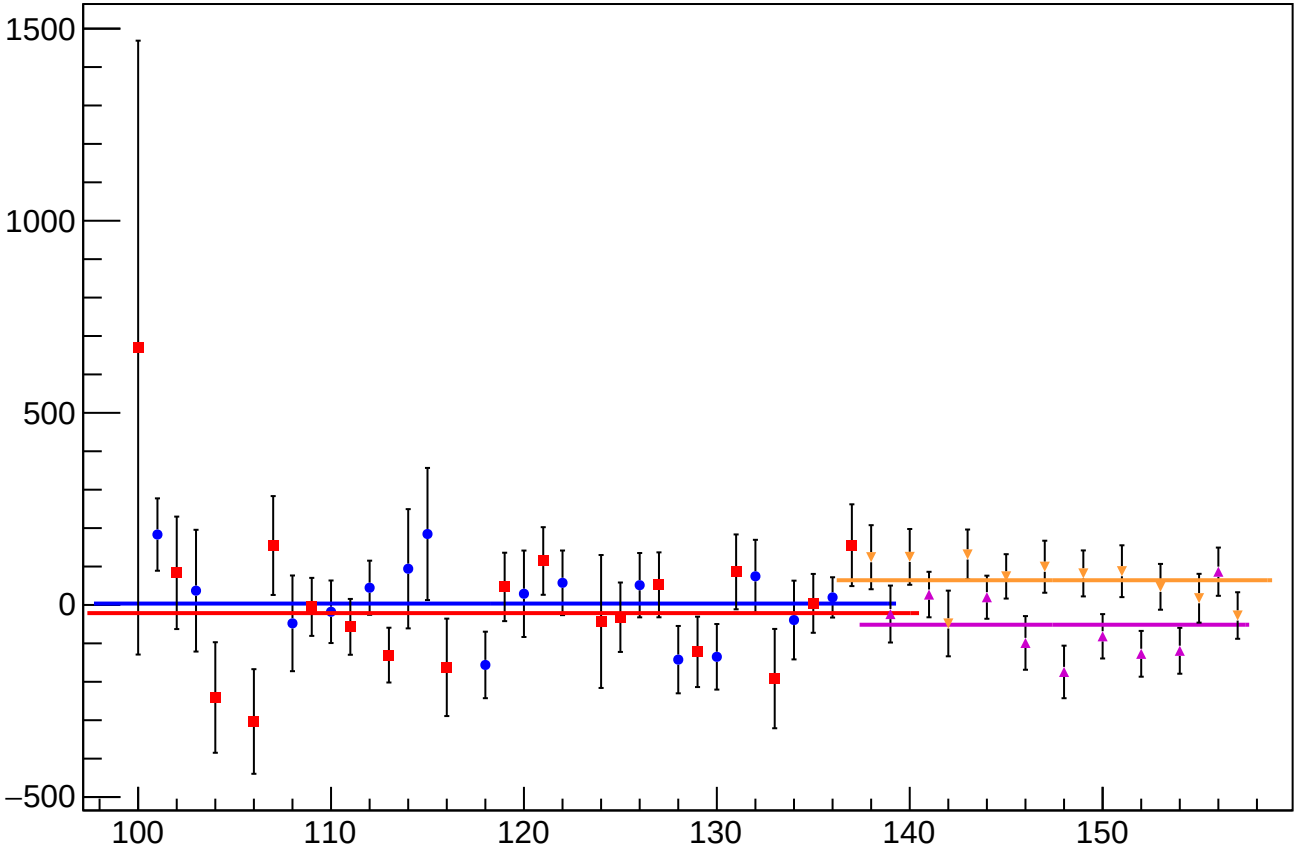
Left In: 370.655+/-0.096 χ^2/NDF:558750.7/8

+ sign 426.190+/-0.079 χ^2/NDF: 2115834.7/26

All: 424.652+/-0.056 χ^2/NDF: 4285584.8/54

- sign 423.066+/-0.080 χ^2/NDF: 2168972.5/27

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

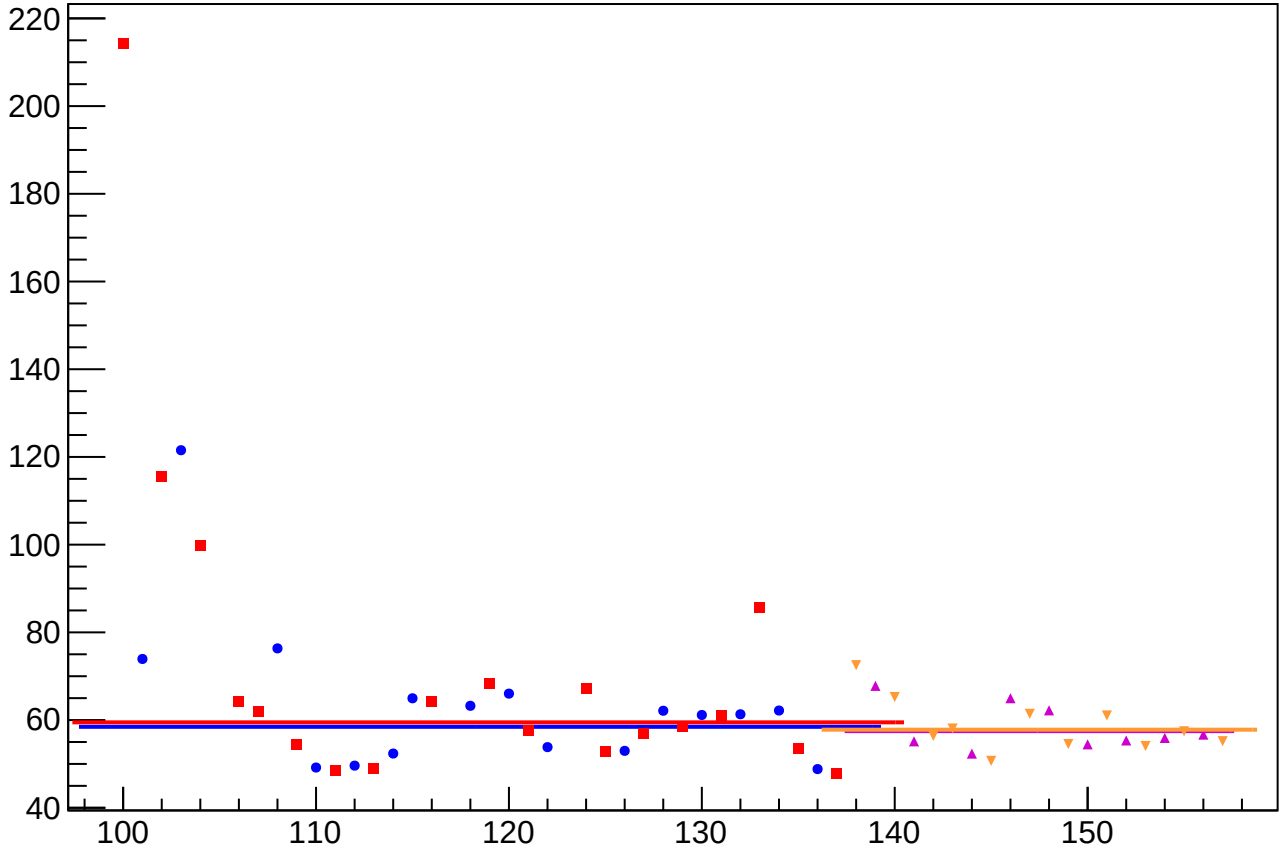
Left In: -51.497+/-20.764 χ^2/NDF:15.2/8

+ sign 37.646+/-14.898 χ^2/NDF: 27.7/26

All: 1.047+/-10.688 χ^2/NDF: 80.7/54

- sign -37.765+/-15.342 χ^2/NDF: 40.6/27

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.2/10

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

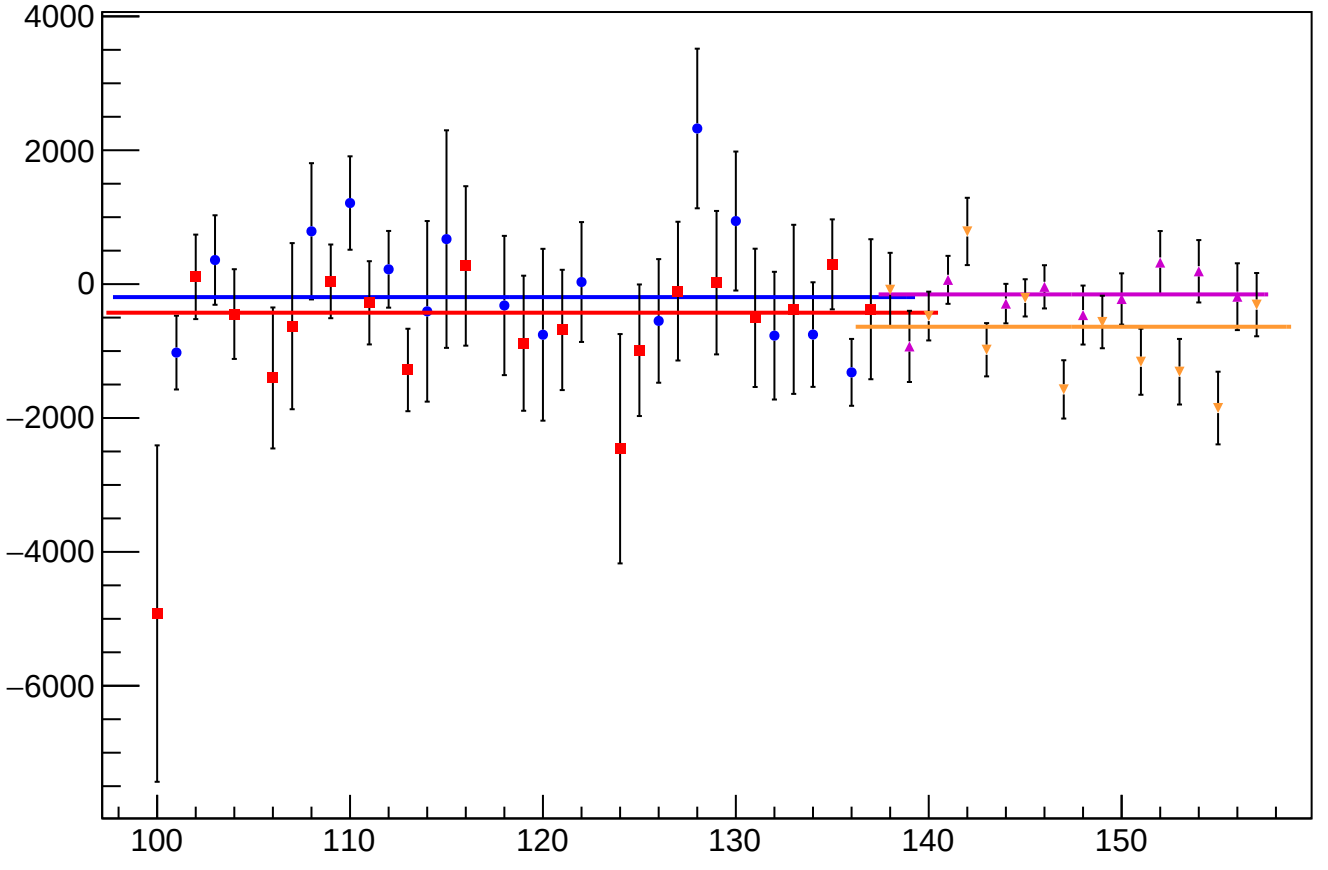
Left In: 57.480+/-0.015 χ^2/NDF:101005.9/8

+ sign 58.097+/-0.011 χ^2/NDF: 726021.1/26

All: 58.239+/-0.008 χ^2/NDF: 1620743.1/54

- sign 58.390+/-0.011 χ^2/NDF: 894347.7/27

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

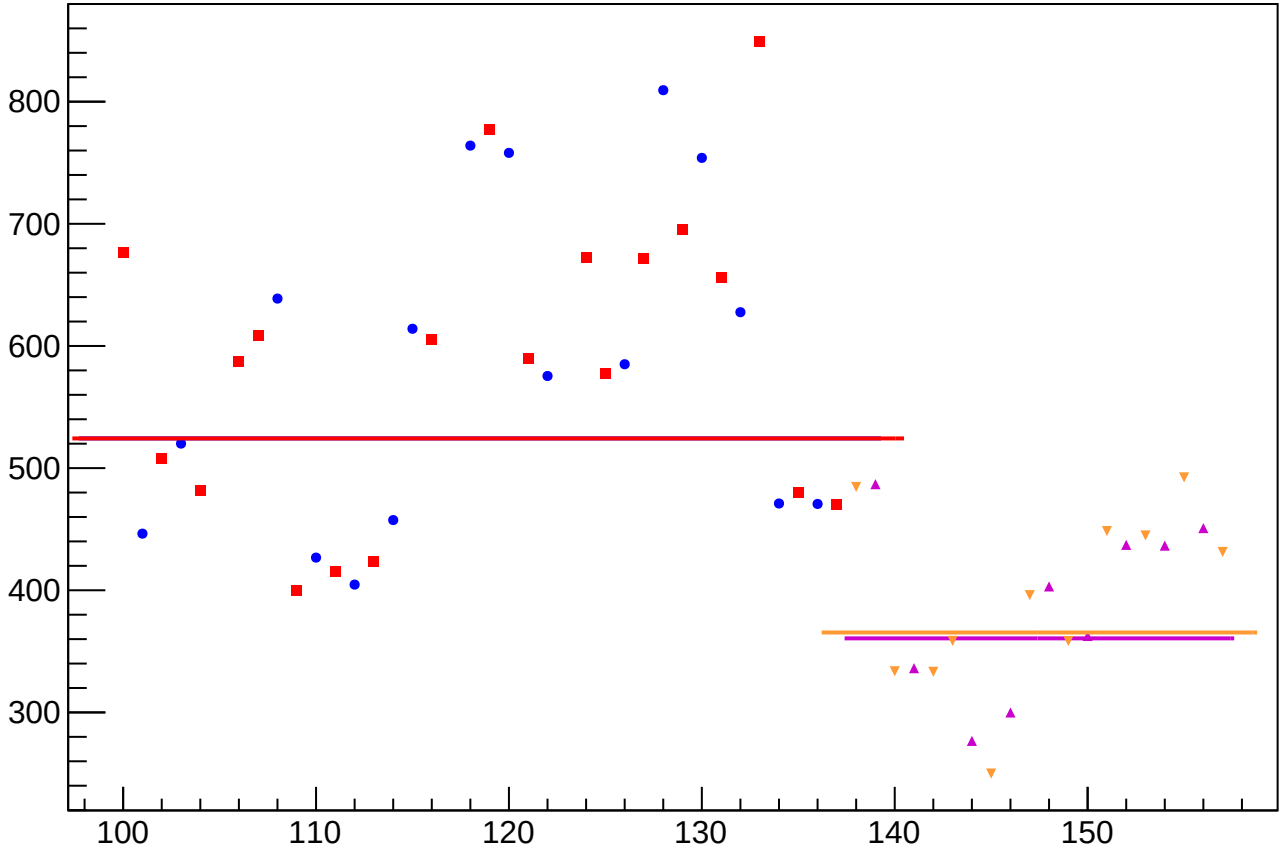
Left In: -153.475+/-131.869 χ^2/NDF:4.9/8

+ sign -509.909+/-107.345 χ^2/NDF: 49.8/26

All: -376.812+/-76.684 χ^2/NDF: 70.5/54

- sign -238.102+/-109.585 χ^2/NDF: 17.6/27

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 365.441+/-0.090 χ^2/NDF:730046.0/10

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

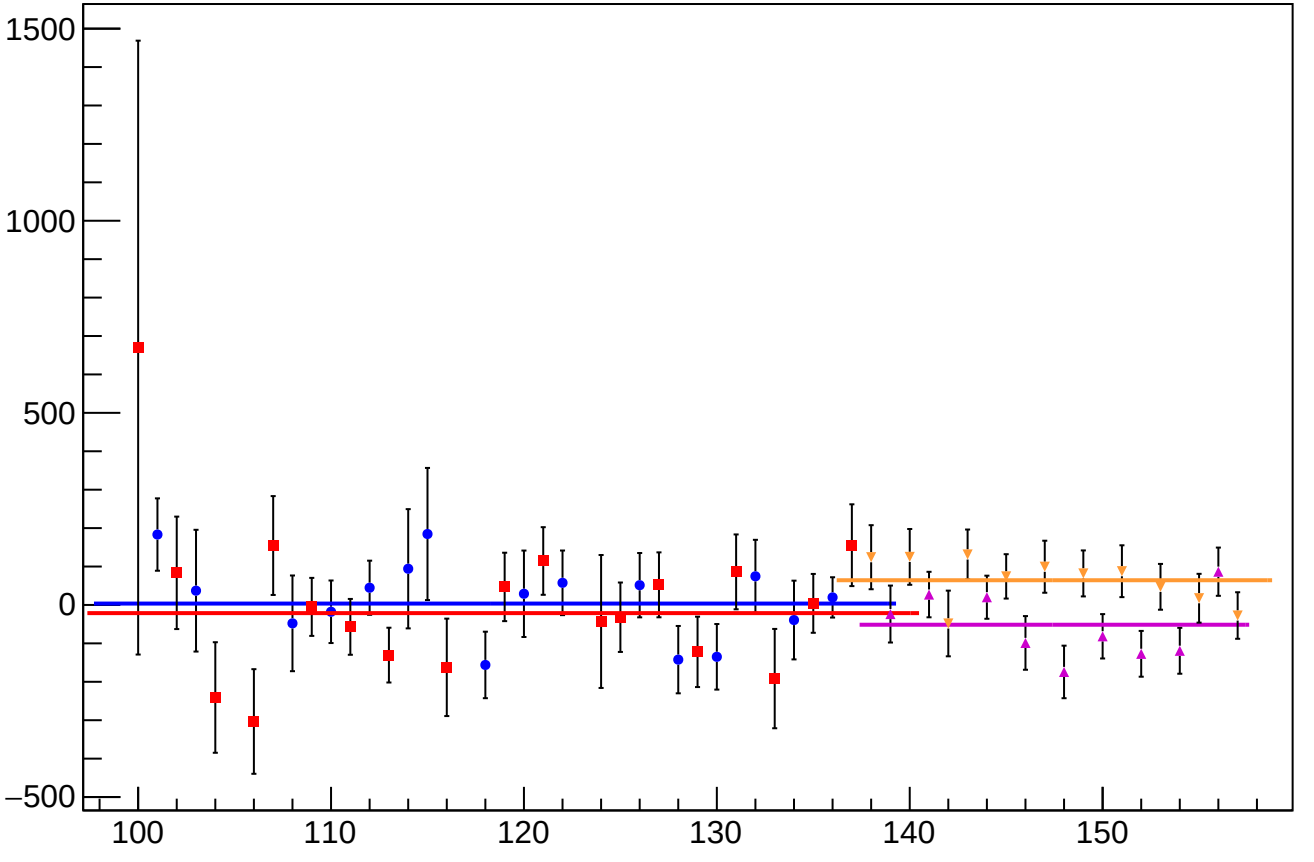
Left In: 360.631+/-0.093 χ^2/NDF:544559.9/8

+ sign 410.936+/-0.076 χ^2/NDF: 2283922.5/26

All: 411.102+/-0.054 χ^2/NDF: 4467913.8/54

- sign 411.275+/-0.077 χ^2/NDF: 2183981.5/27

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 64.316+/-19.895 χ^2/NDF:7.4/10

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

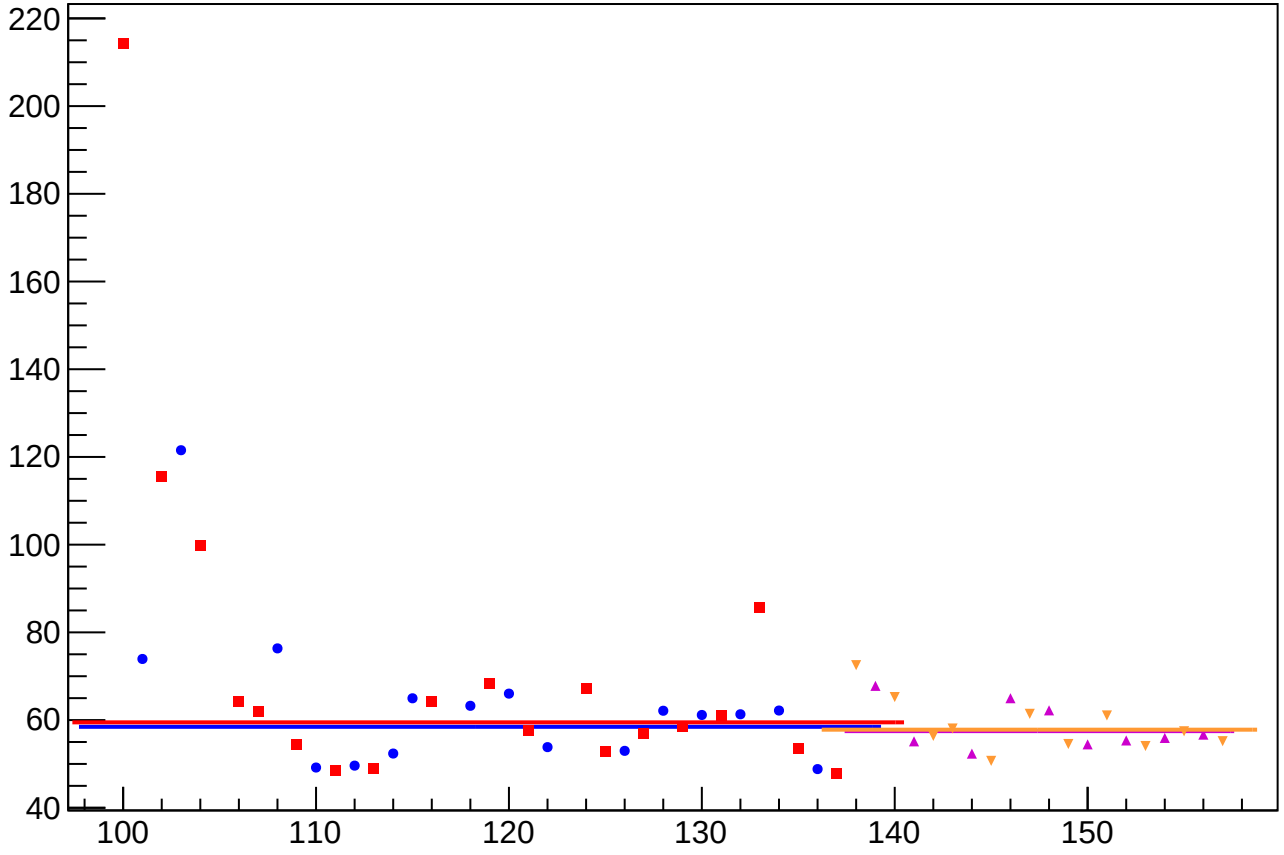
Left In: -51.498+/-20.765 χ^2/NDF:15.2/8

+ sign 37.646+/-14.899 χ^2/NDF: 27.7/26

All: 1.048+/-10.688 χ^2/NDF: 80.7/54

- sign -37.764+/-15.342 χ^2/NDF: 40.6/27

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 57.809+/-0.014 χ^2/NDF:142080.3/10

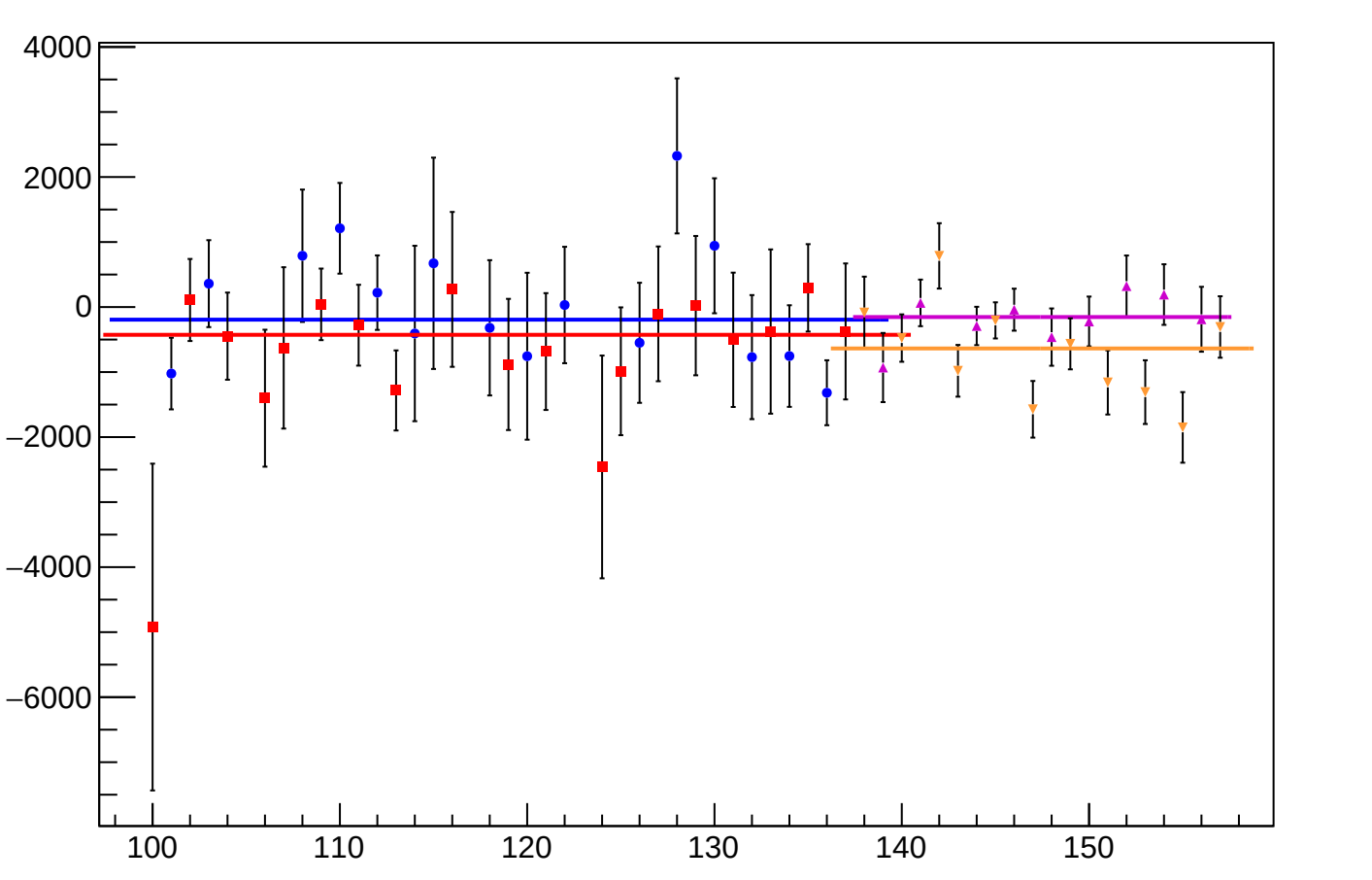
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.480+/-0.015 χ^2/NDF:101003.8/8

+ sign 58.097+/-0.011 χ^2/NDF: 726017.1/26

All: 58.239+/-0.008 χ^2/NDF: 1620736.0/54

- sign 58.390+/-0.011 χ^2/NDF: 894344.7/27



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -636.702+/-127.068 χ^2/NDF:25.5/10

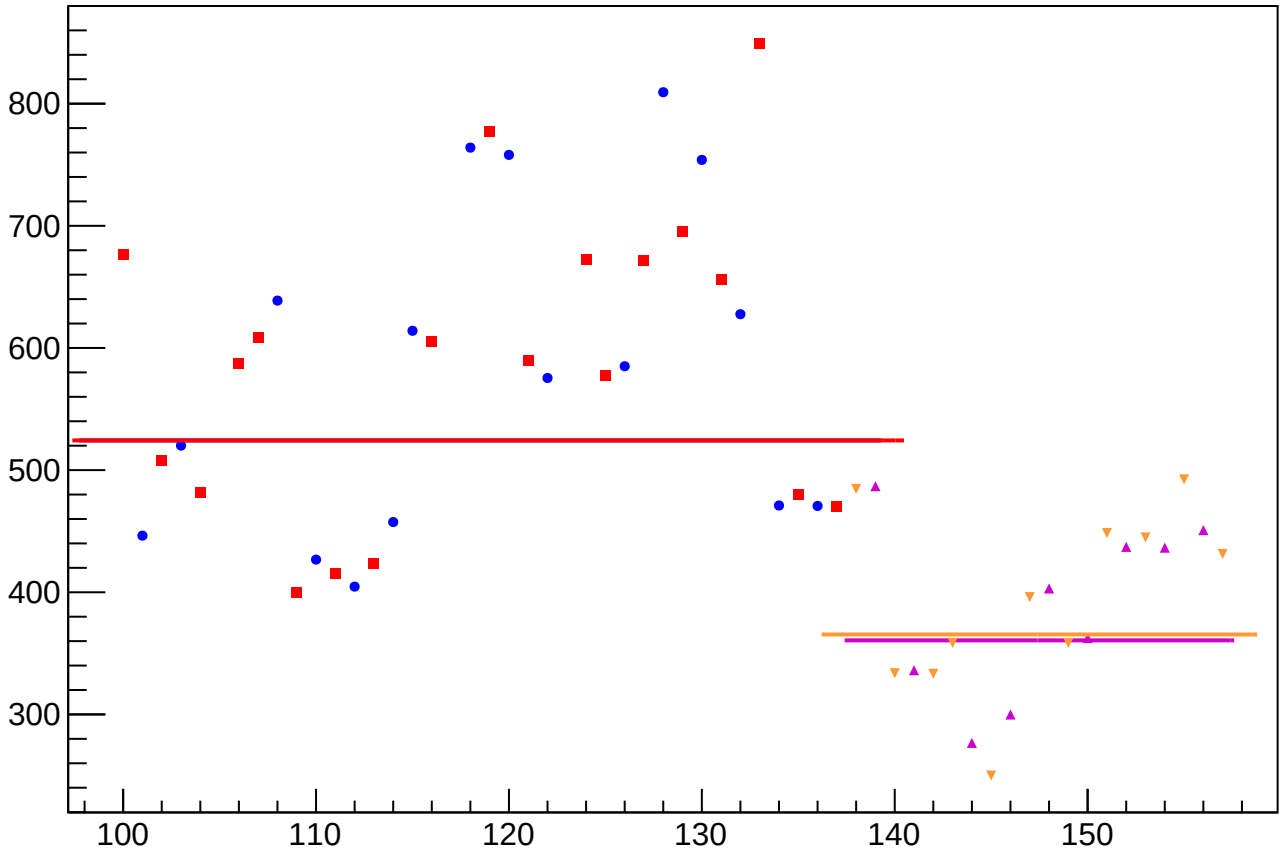
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -153.474+/-131.869 χ^2/NDF:4.9/8

+ sign -509.909+/-107.345 χ^2/NDF: 49.8/26

All: -376.812+/-76.684 χ^2/NDF: 70.5/54

- sign -238.101+/-109.585 χ^2/NDF: 17.6/27



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 365.441+/-0.090 χ^2/NDF:730043.6/10

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

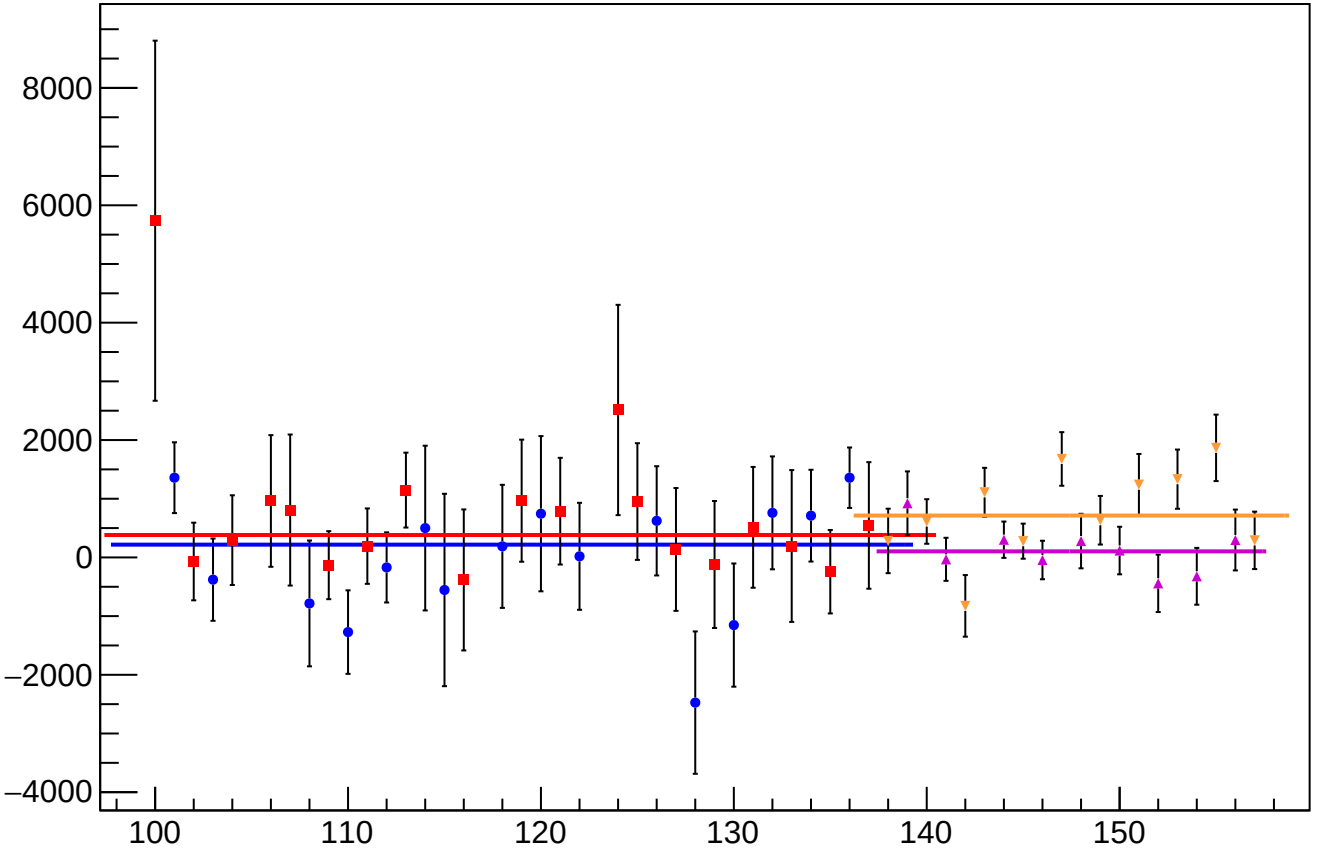
Left In: 360.631+/-0.093 χ^2/NDF:544557.7/8

+ sign 410.936+/-0.076 χ^2/NDF: 2283918.4/26

All: 411.102+/-0.054 χ^2/NDF: 4467902.0/54

- sign 411.275+/-0.077 χ^2/NDF: 2183973.8/27

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 713.643+/-133.249 χ^2/NDF:24.2/10

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

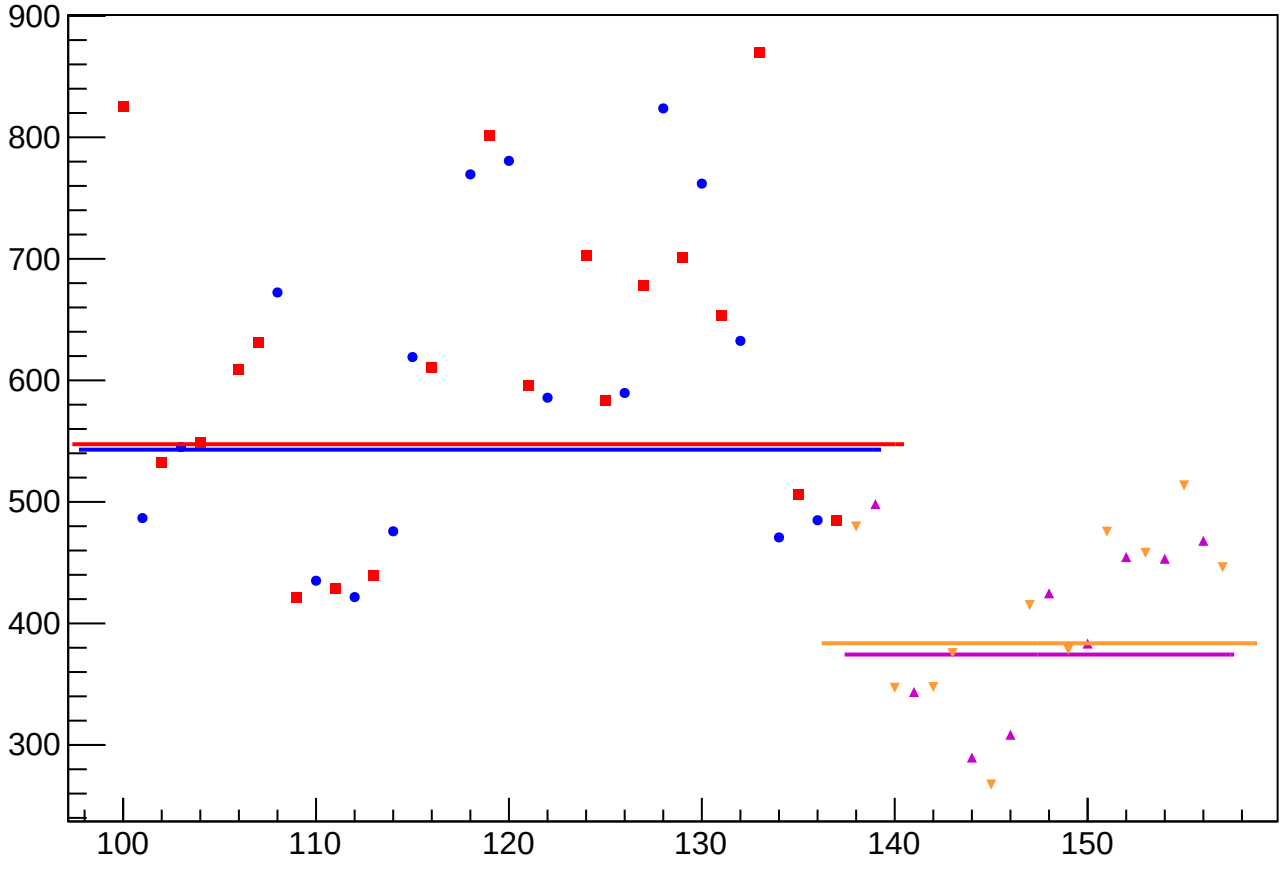
Left In: 103.296+/-136.786 χ^2/NDF:5.3/8

+ sign 568.849+/-112.121 χ^2/NDF: 51.2/26

All: 381.770+/-79.897 χ^2/NDF: 73.4/54

- sign 188.766+/-113.882 χ^2/NDF: 16.6/27

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 383.658+/-0.094 χ^2/NDF:645525.7/10

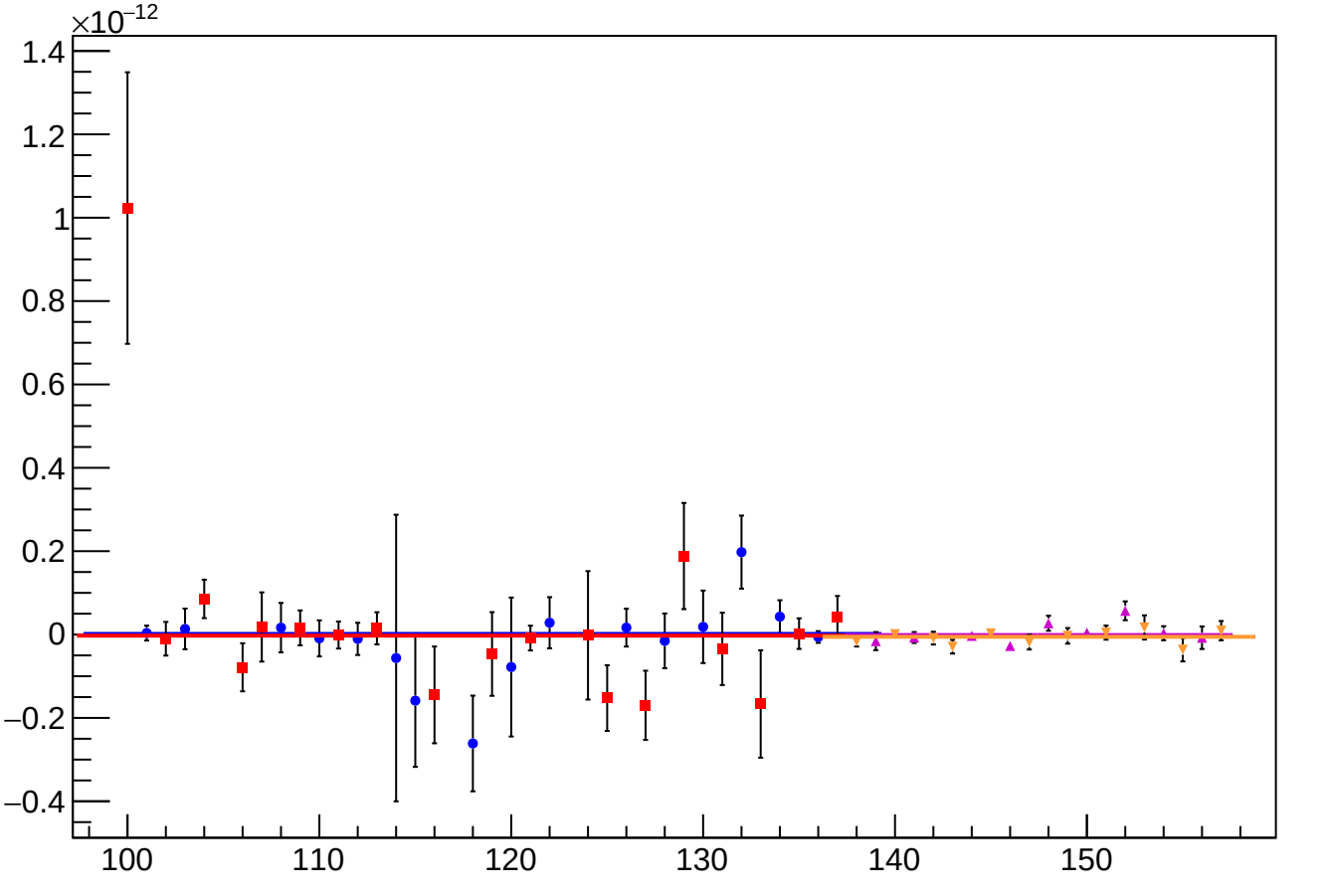
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 374.409+/-0.097 χ^2/NDF:545457.1/8

+ sign 430.183+/-0.079 χ^2/NDF: 2085832.6/26

All: 428.868+/-0.056 χ^2/NDF: 4244427.8/54

- sign 427.512+/-0.081 χ^2/NDF: 2158036.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/10

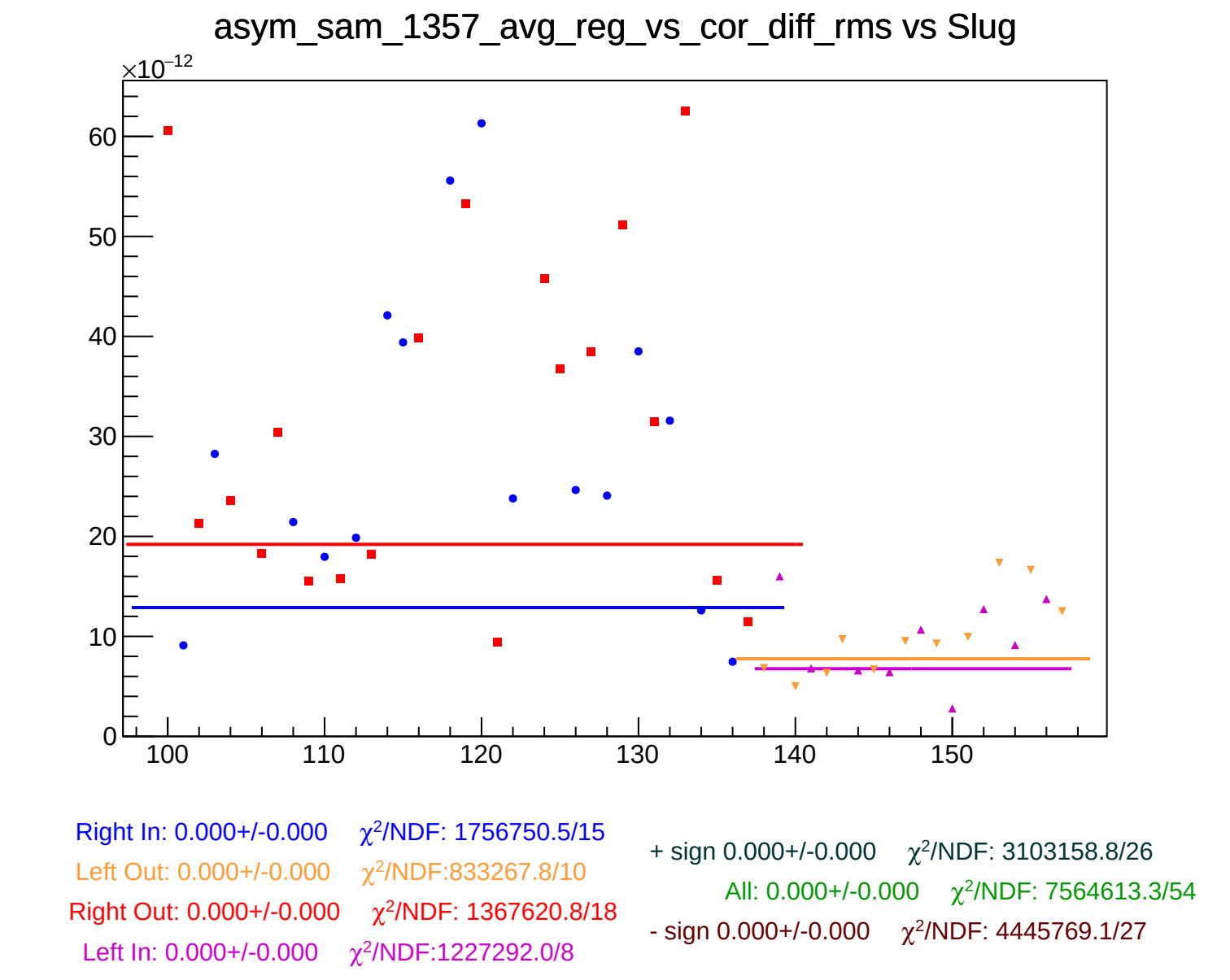
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

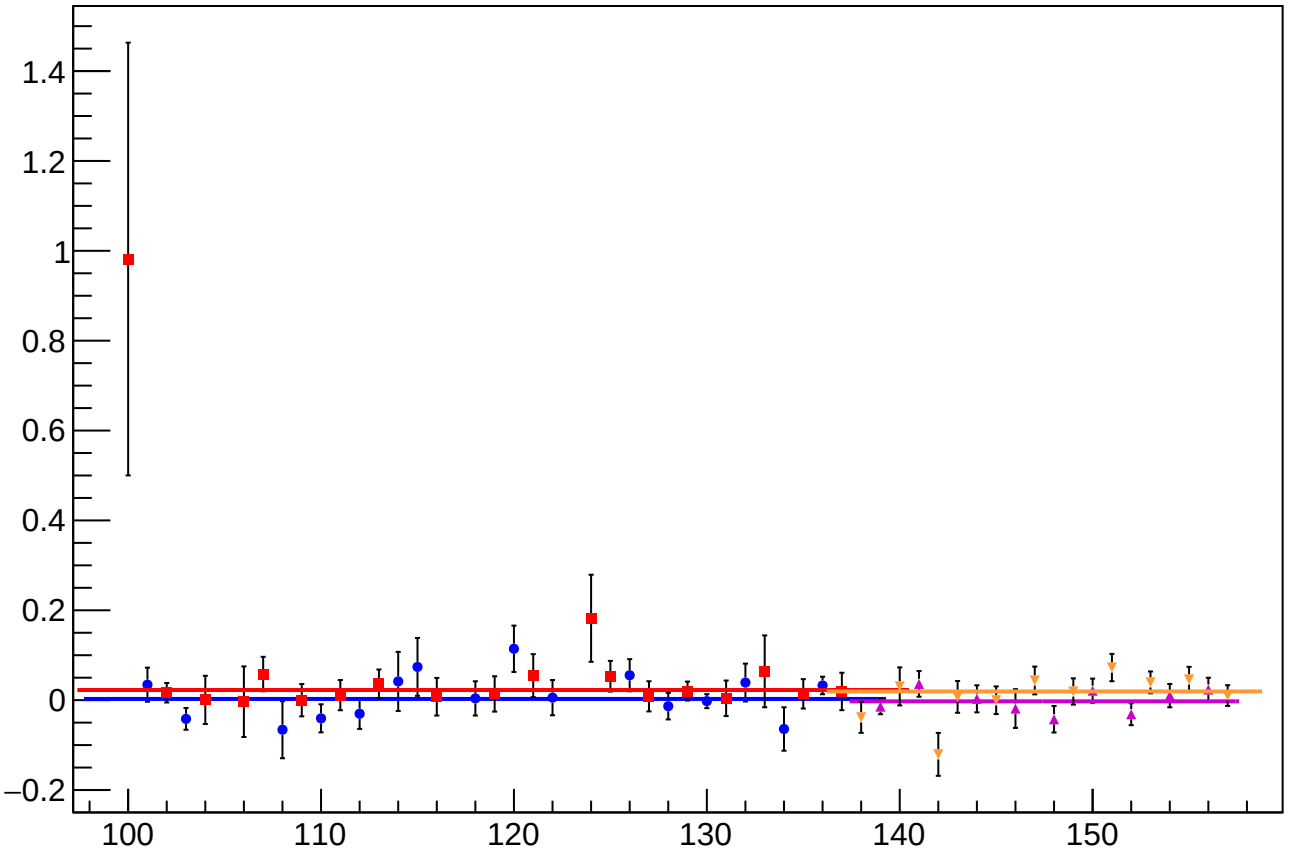
Left In: -0.000+/-0.000 χ^2/NDF:15.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/26

All: -0.000+/-0.000 χ^2/NDF: 67.3/54

- sign -0.000+/-0.000 χ^2/NDF: 45.9/27


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:833267.8/10
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1227292.0/8
+ sign 0.000+/-0.000 χ²/NDF: 3103158.8/26
All: 0.000+/-0.000 χ²/NDF: 7564613.3/54
- sign 0.000+/-0.000 χ²/NDF: 4445769.1/27



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

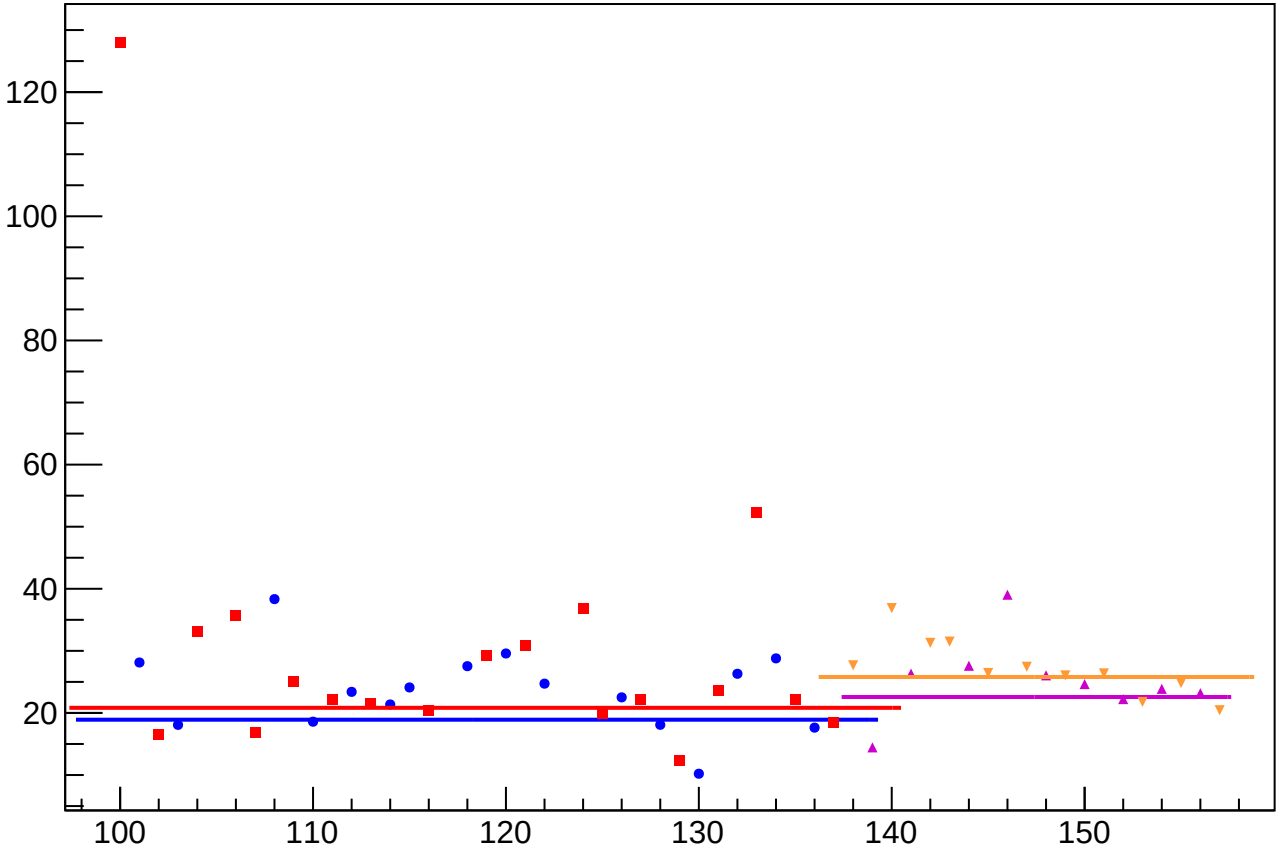
Left In: -0.003+/-0.009 χ^2/NDF:7.7/8

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.010+/-0.004 χ^2/NDF: 64.1/54

- sign 0.010+/-0.006 χ^2/NDF: 22.9/27

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 25.790+/-0.007 χ^2/NDF:394060.0/10

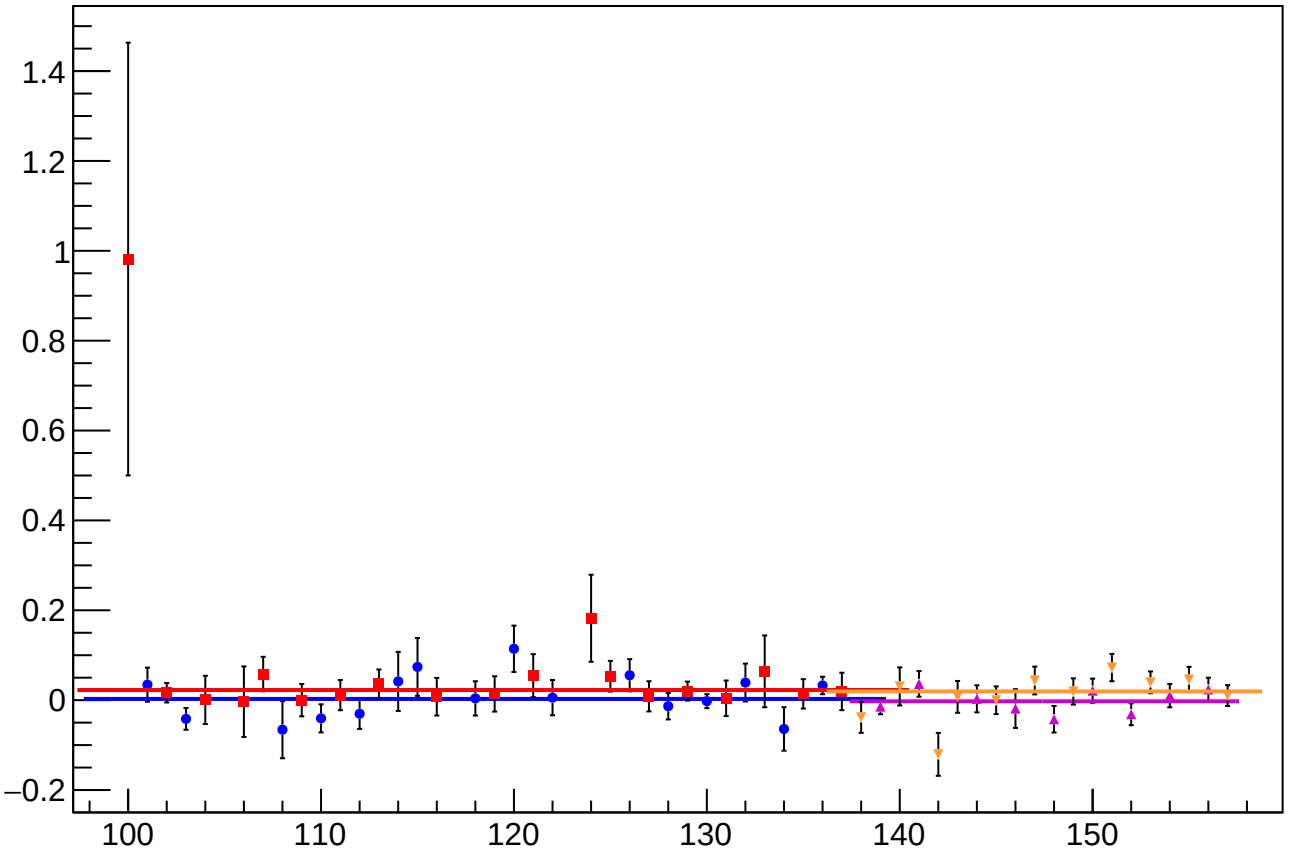
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.567+/-0.006 χ^2/NDF:887020.5/8

+ sign 21.790+/-0.004 χ^2/NDF: 2434707.5/26

All: 21.736+/-0.003 χ^2/NDF: 4655269.9/54

- sign 21.681+/-0.004 χ^2/NDF: 2220226.1/27



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

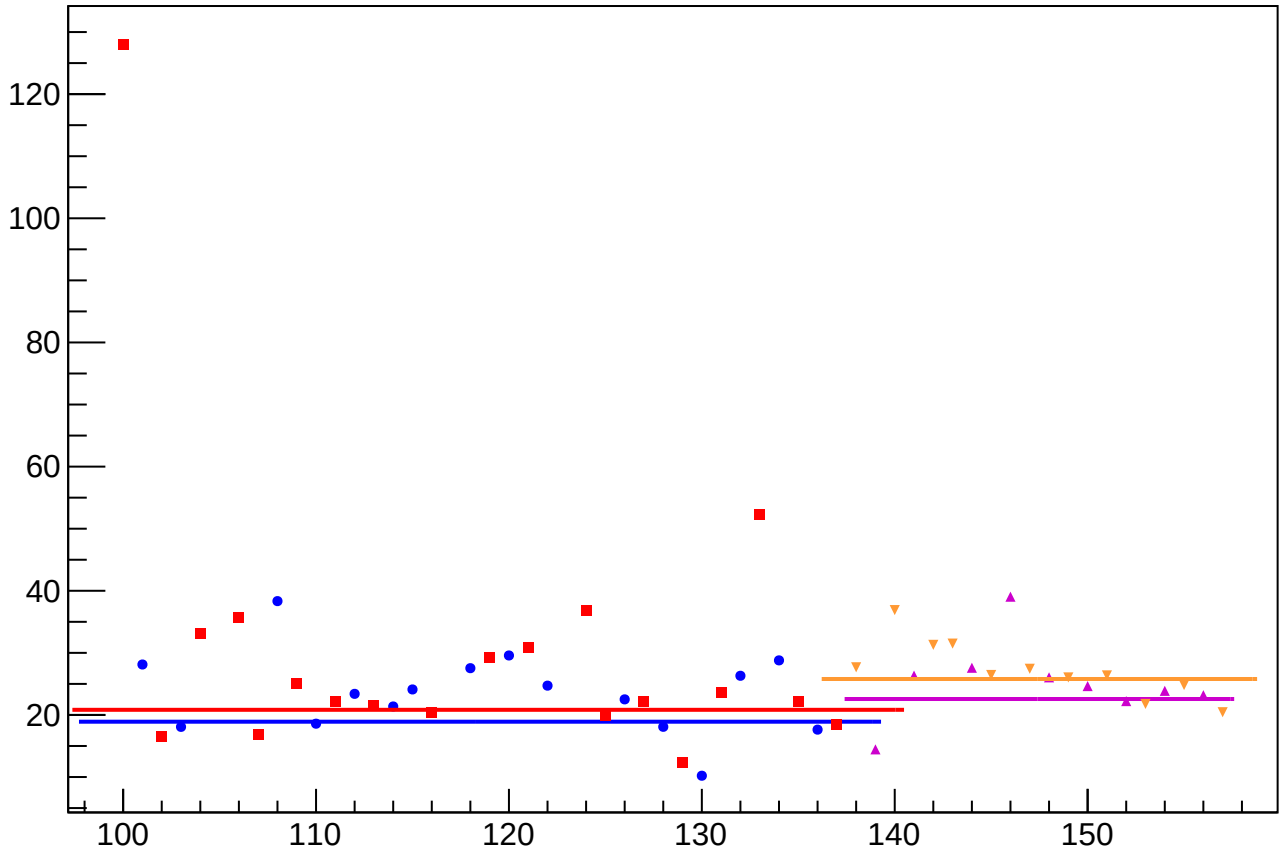
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.003+/-0.009 χ^2/NDF:7.7/8

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.010+/-0.004 χ^2/NDF: 64.1/54

- sign 0.010+/-0.006 χ^2/NDF: 22.9/27



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 25.790+/-0.007 χ^2/NDF:394060.0/10

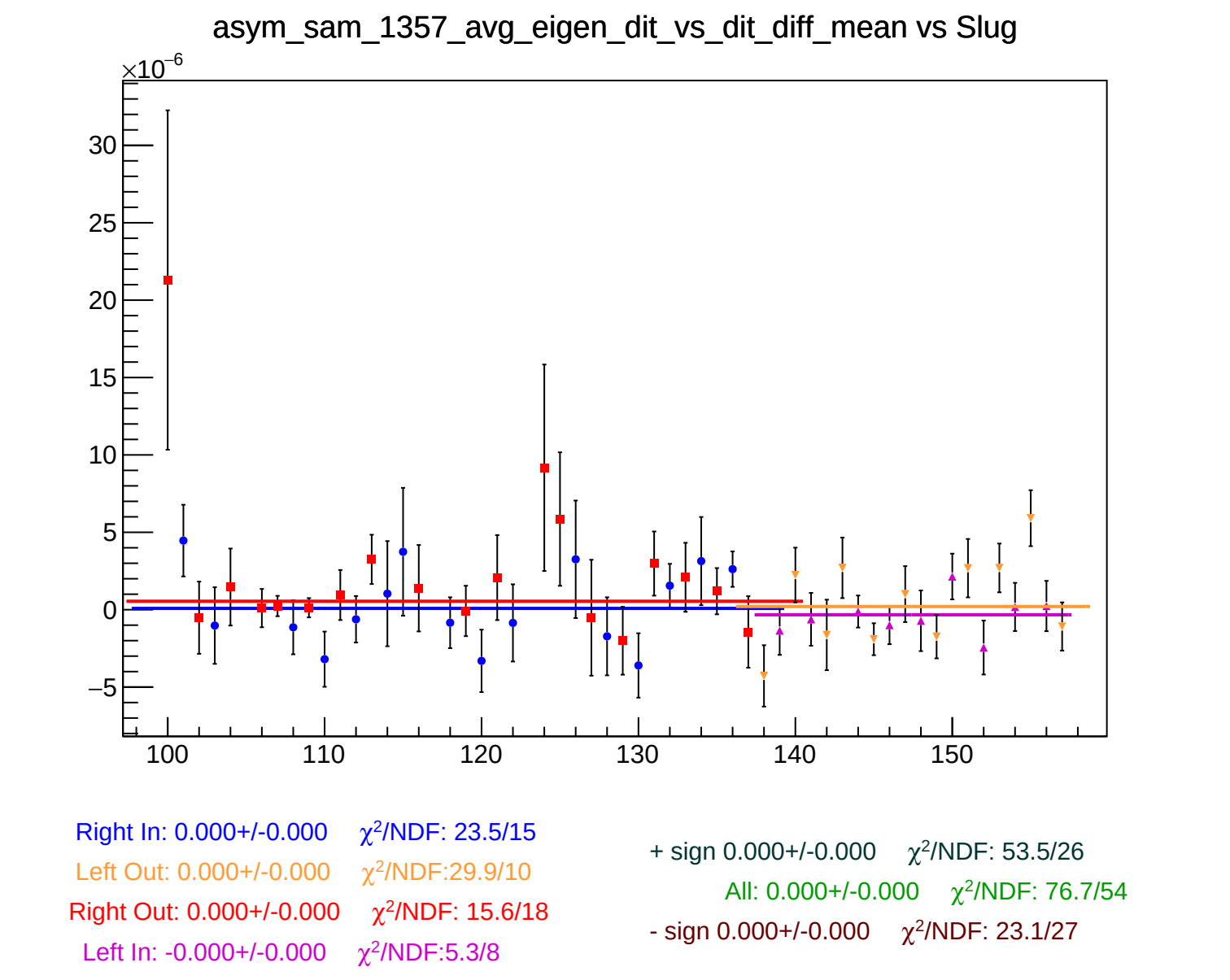
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

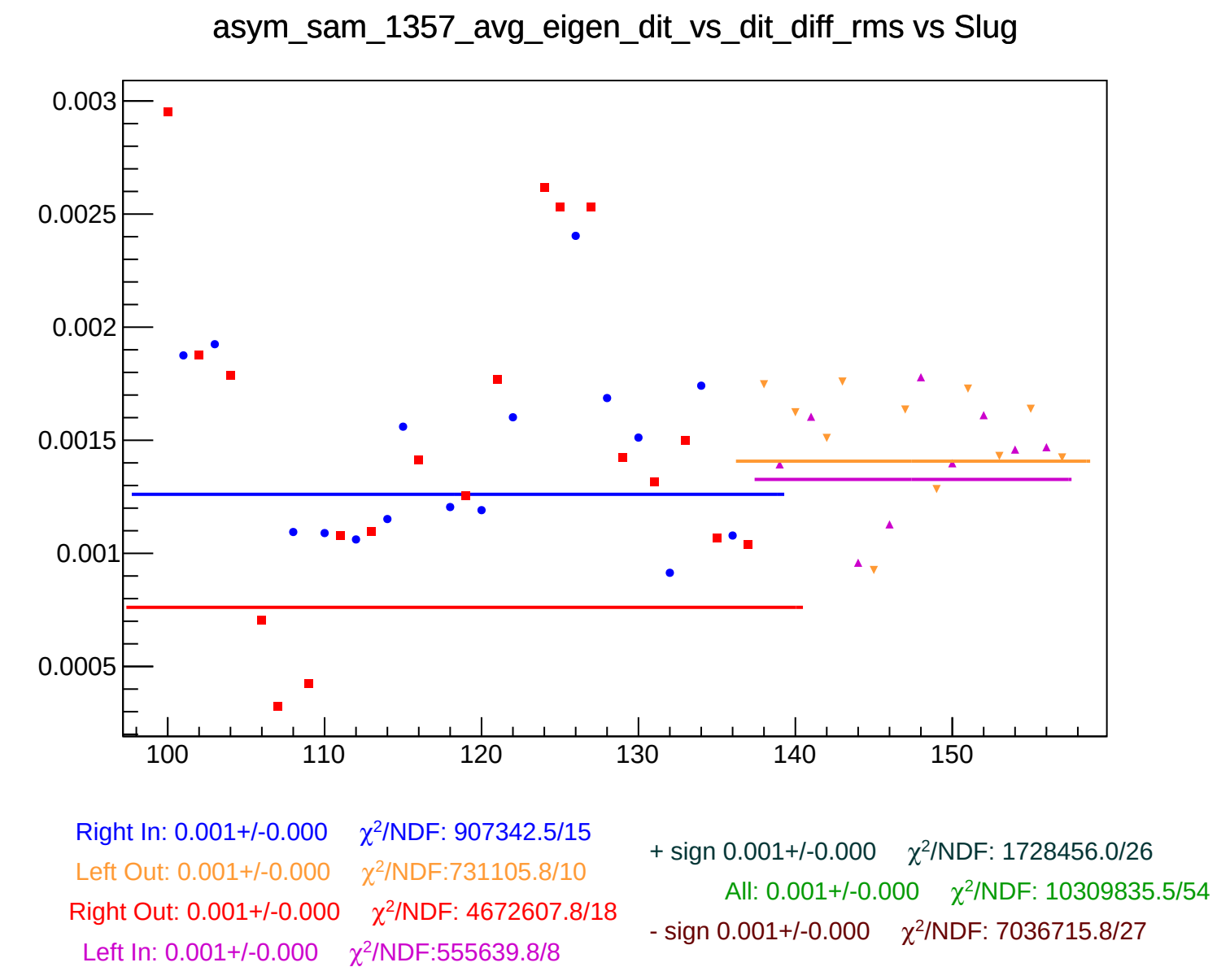
Left In: 22.567+/-0.006 χ^2/NDF:887020.5/8

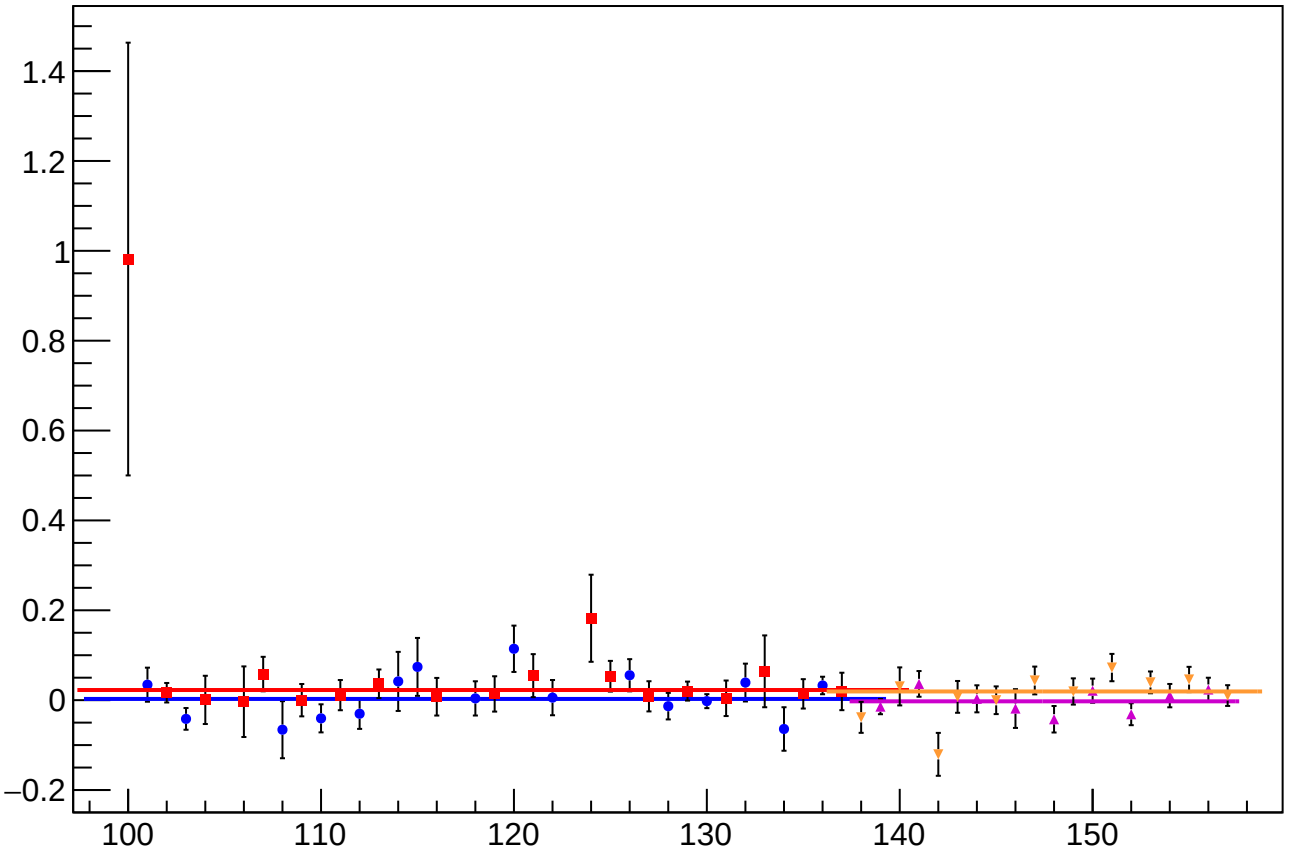
+ sign 21.790+/-0.004 χ^2/NDF: 2434707.5/26

All: 21.736+/-0.003 χ^2/NDF: 4655269.9/54

- sign 21.681+/-0.004 χ^2/NDF: 2220226.1/27


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−6
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:29.9/10
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: -0.000+/-0.000 χ²/NDF:5.3/8
+ sign 0.000+/-0.000 χ²/NDF: 53.5/26
All: 0.000+/-0.000 χ²/NDF: 76.7/54
- sign 0.000+/-0.000 χ²/NDF: 23.1/27


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:731105.8/10
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:555639.8/8
+ sign 0.001+/-0.000 χ²/NDF: 1728456.0/26
All: 0.001+/-0.000 χ²/NDF: 10309835.5/54
- sign 0.001+/-0.000 χ²/NDF: 7036715.8/27



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

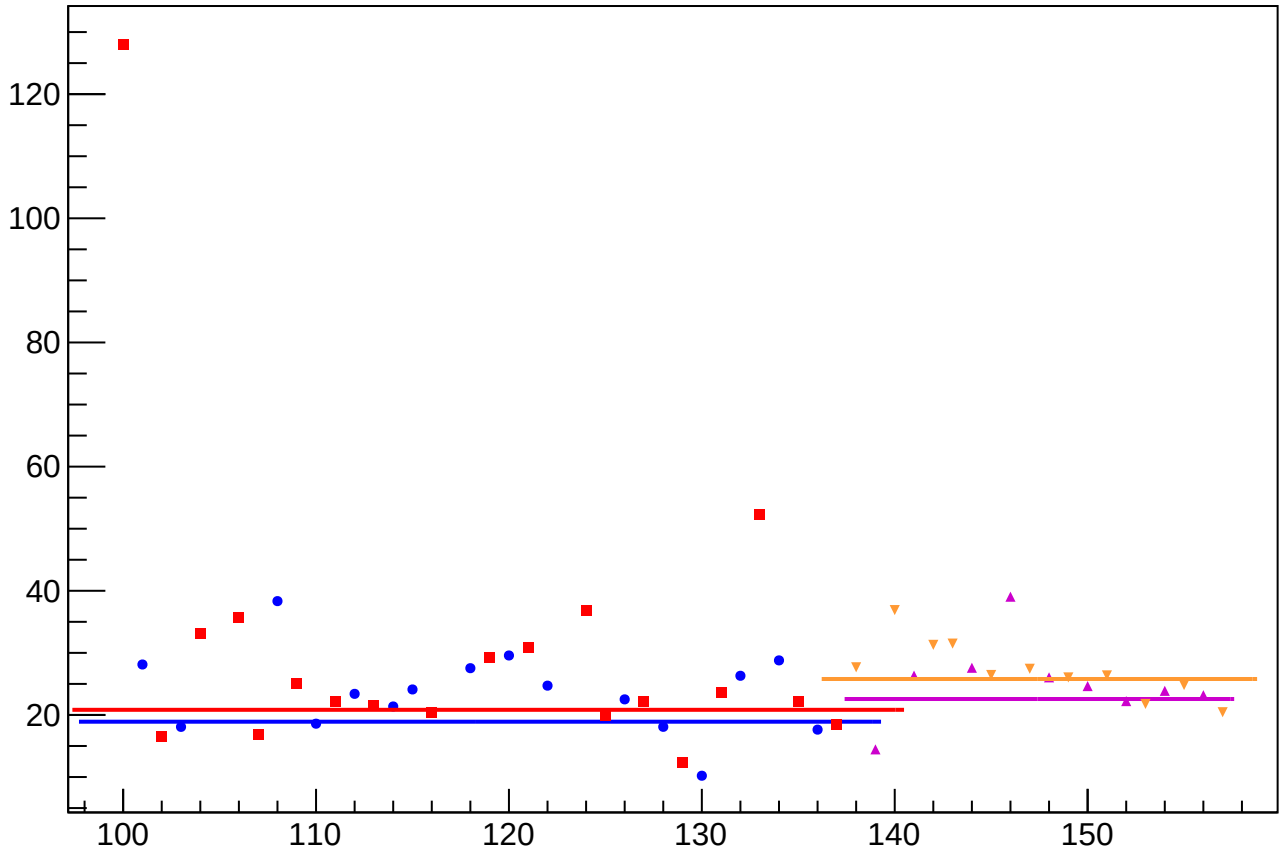
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.003+/-0.009 χ^2/NDF:7.7/8

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.010+/-0.004 χ^2/NDF: 64.1/54

- sign 0.010+/-0.006 χ^2/NDF: 22.9/27



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 25.791+/-0.007 χ^2/NDF:394047.3/10

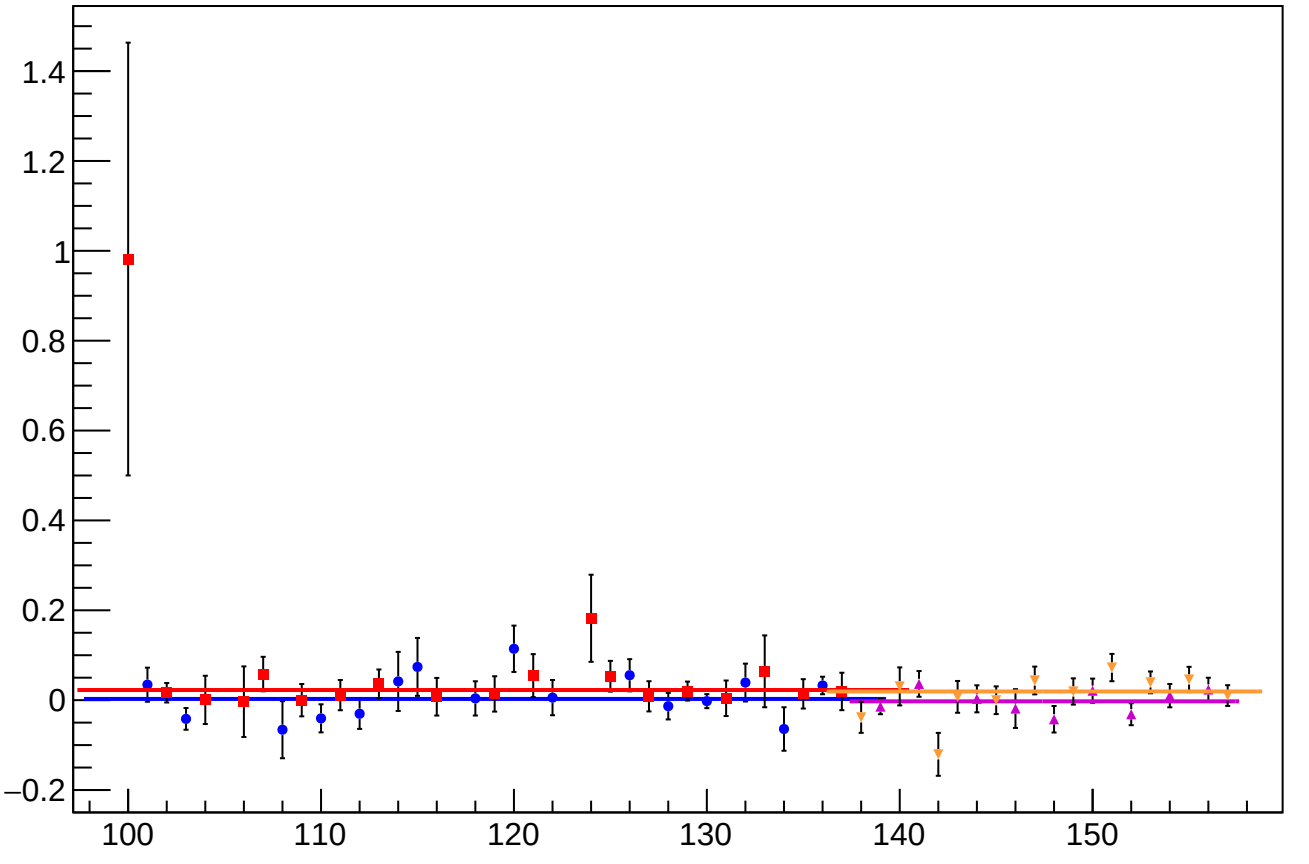
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.568+/-0.006 χ^2/NDF:886945.4/8

+ sign 21.791+/-0.004 χ^2/NDF: 2434593.8/26

All: 21.737+/-0.003 χ^2/NDF: 4655099.2/54

- sign 21.681+/-0.004 χ^2/NDF: 2220168.9/27



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.019+/-0.009 χ^2/NDF:17.4/10

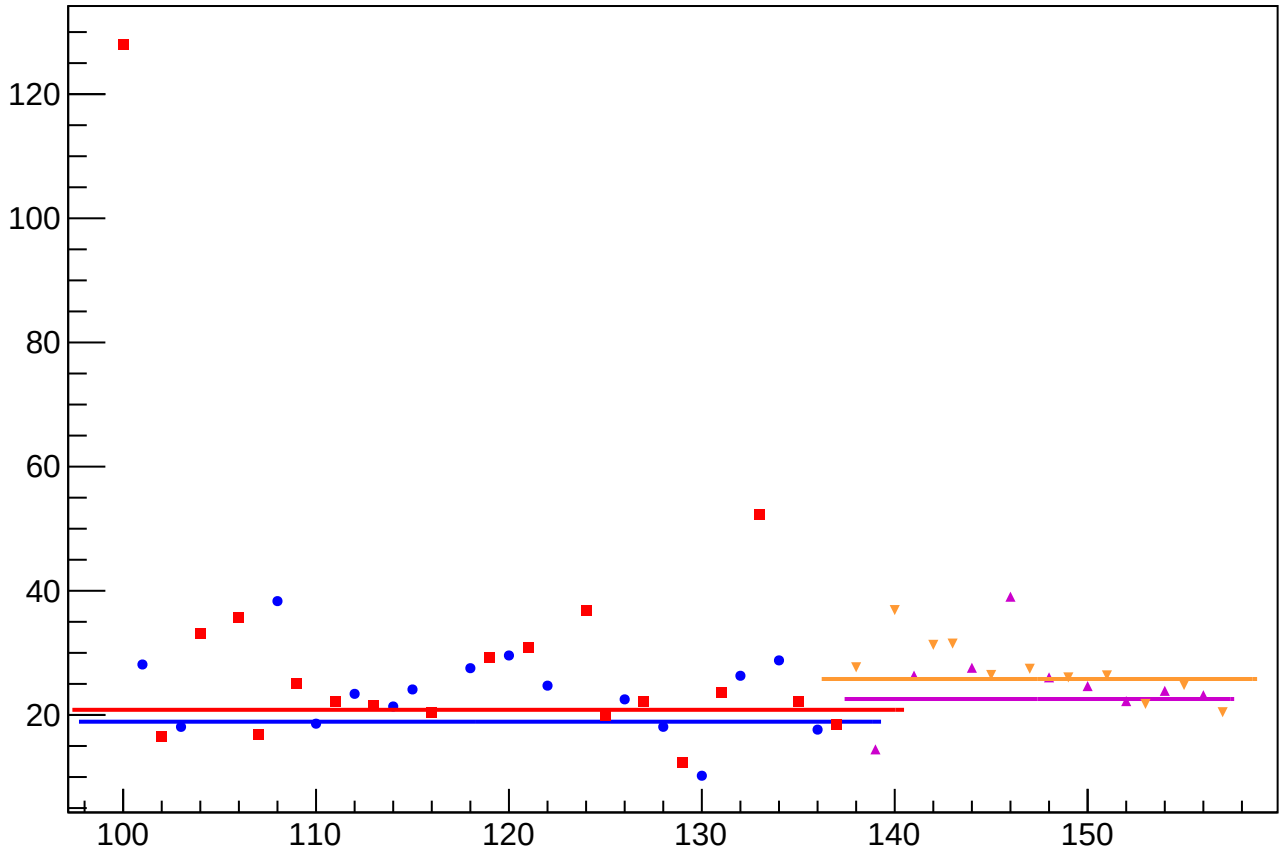
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.003+/-0.009 χ^2/NDF:7.7/8

+ sign 0.010+/-0.006 χ^2/NDF: 41.3/26

All: 0.010+/-0.004 χ^2/NDF: 64.1/54

- sign 0.010+/-0.006 χ^2/NDF: 22.9/27



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 25.791+/-0.007 χ^2/NDF:394047.3/10

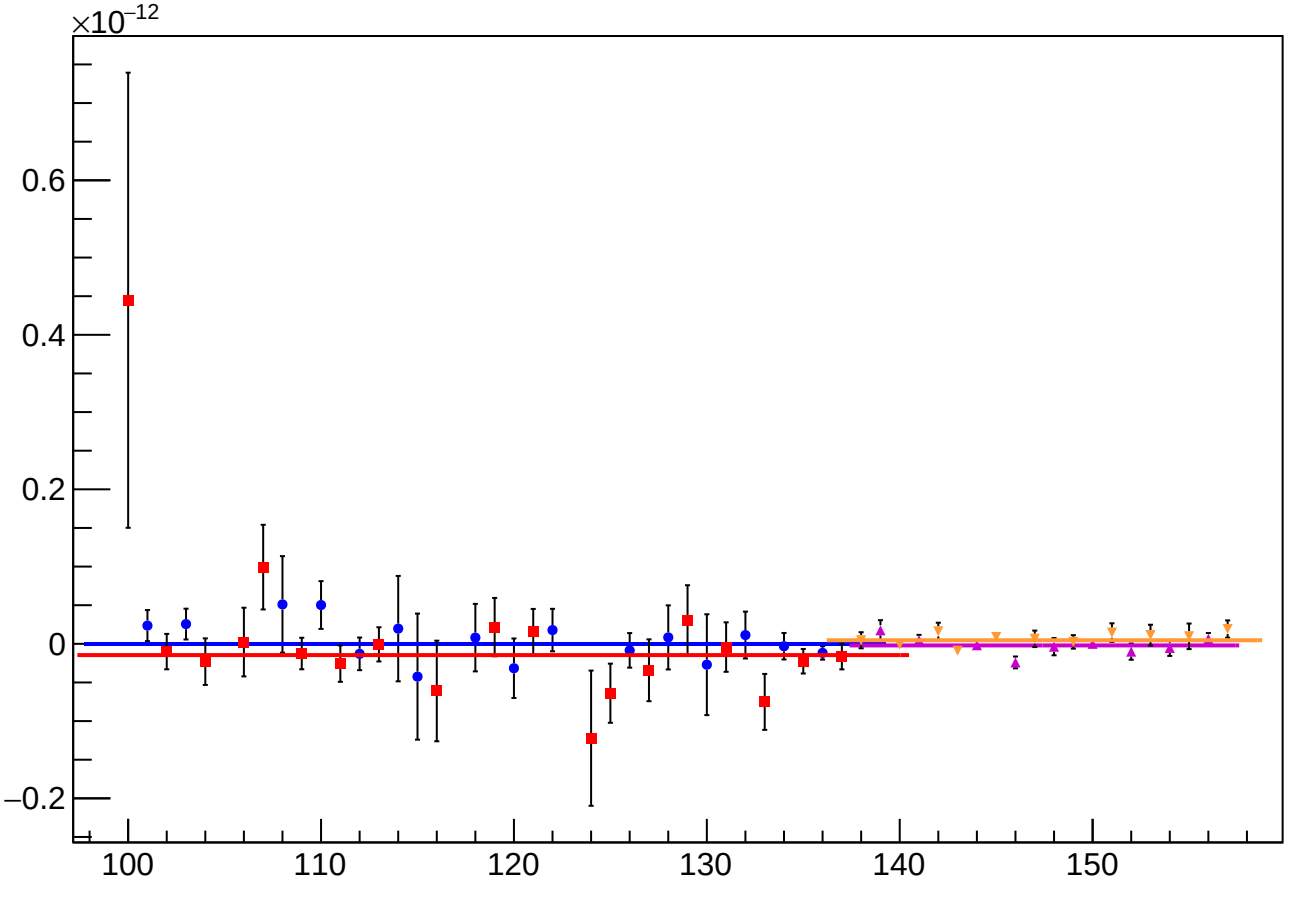
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.568+/-0.006 χ^2/NDF:886945.4/8

+ sign 21.791+/-0.004 χ^2/NDF: 2434593.8/26

All: 21.737+/-0.003 χ^2/NDF: 4655099.2/54

- sign 21.681+/-0.004 χ^2/NDF: 2220168.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/10

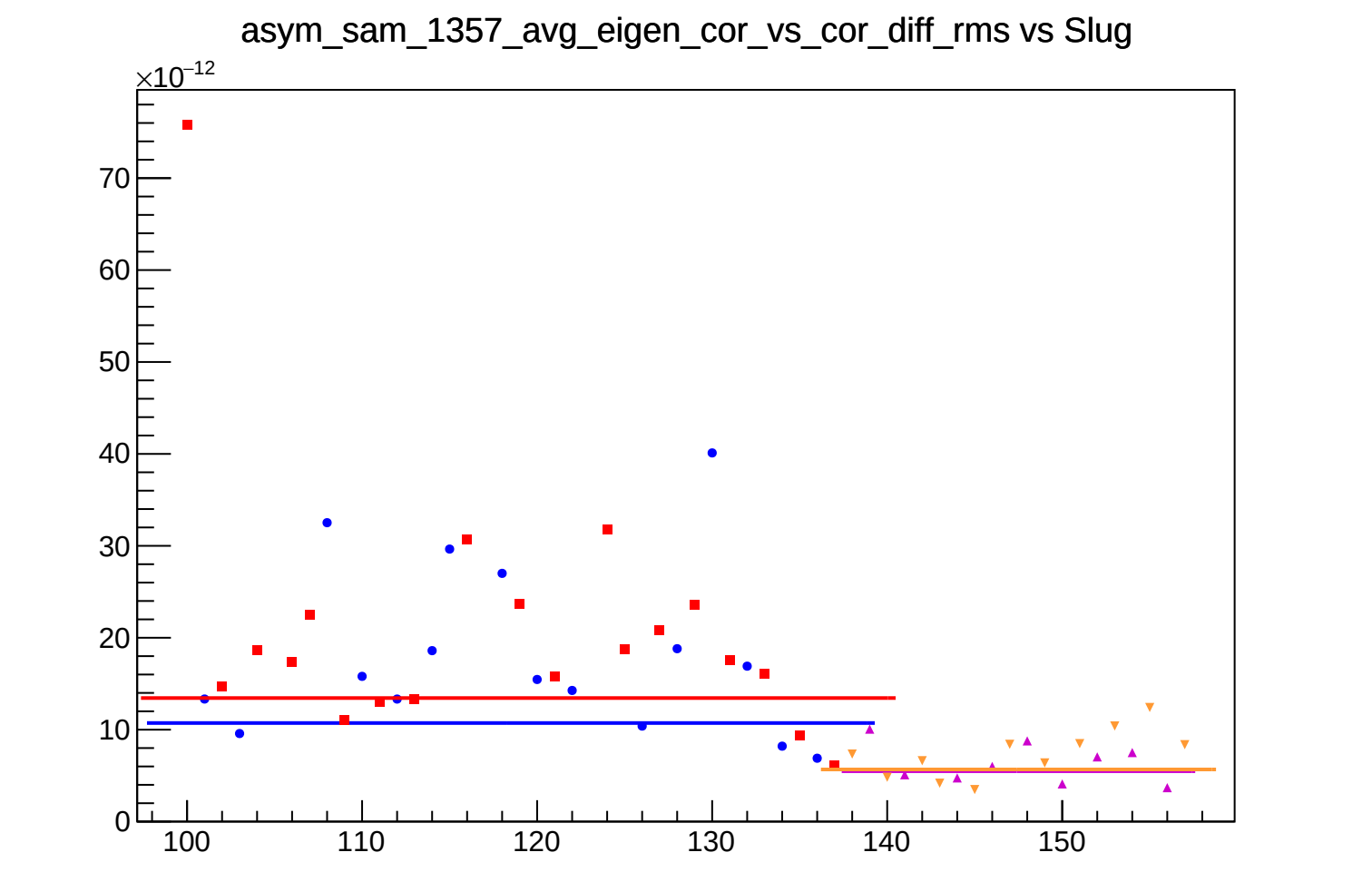
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 21.1/26

All: 0.000+/-0.000 χ^2/NDF: 60.8/54

- sign -0.000+/-0.000 χ^2/NDF: 34.6/27



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1551126.6/10

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

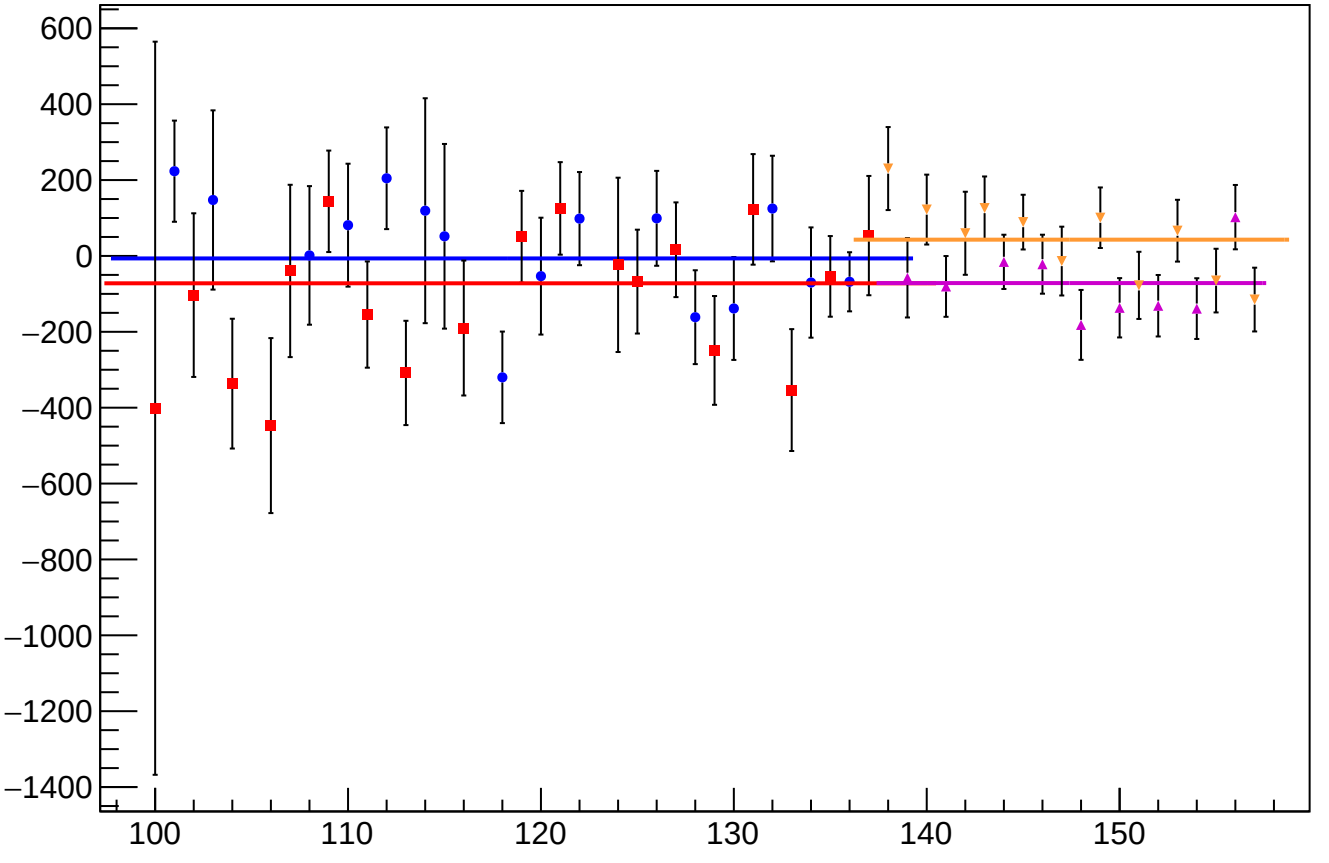
Left In: 0.000+/-0.000 χ^2/NDF:794598.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 4737155.8/26

All: 0.000+/-0.000 χ^2/NDF: 9480883.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4742661.0/27

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.892+/-26.158 χ^2/NDF:13.1/10

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

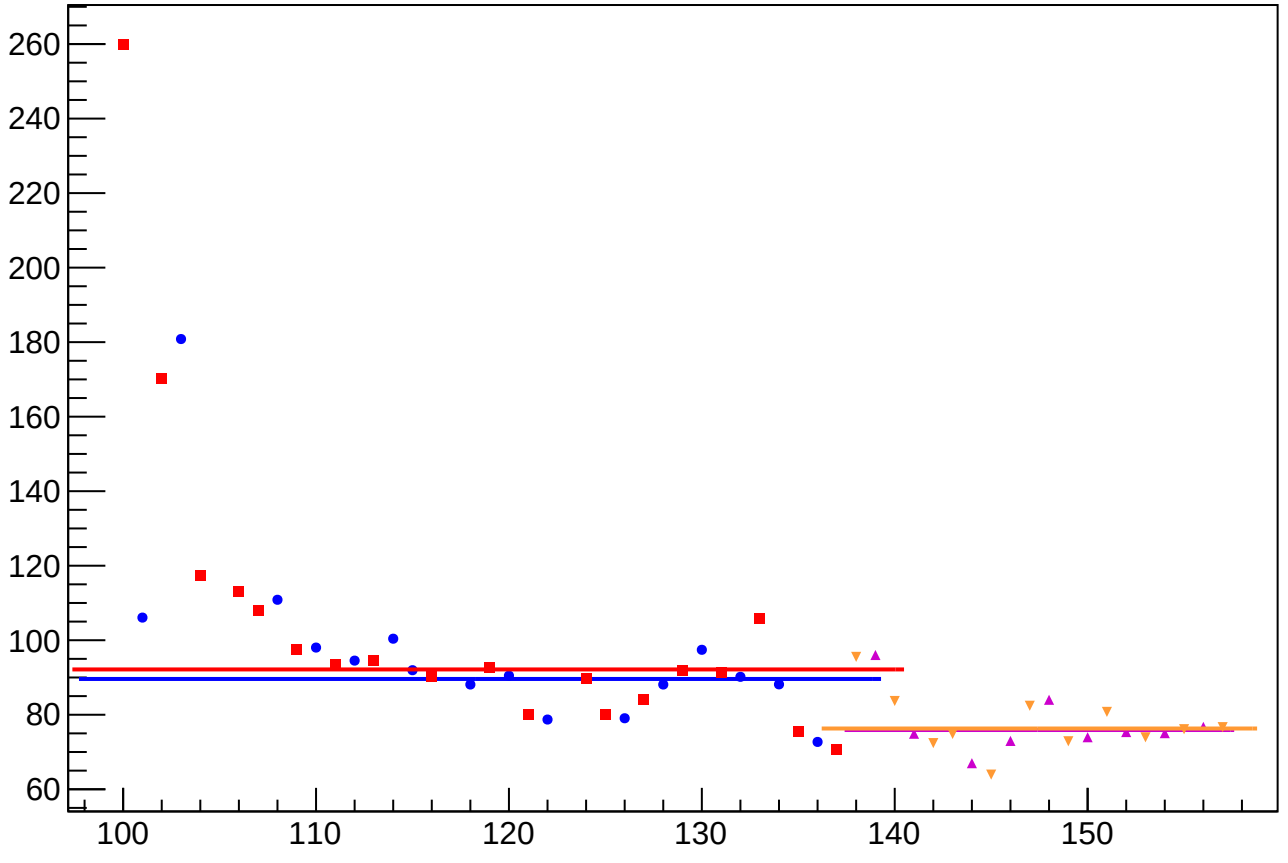
Left In: -71.534+/-27.348 χ^2/NDF:8.6/8

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -21.876+/-14.955 χ^2/NDF: 75.2/54

- sign -71.758+/-21.522 χ^2/NDF: 31.4/27

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

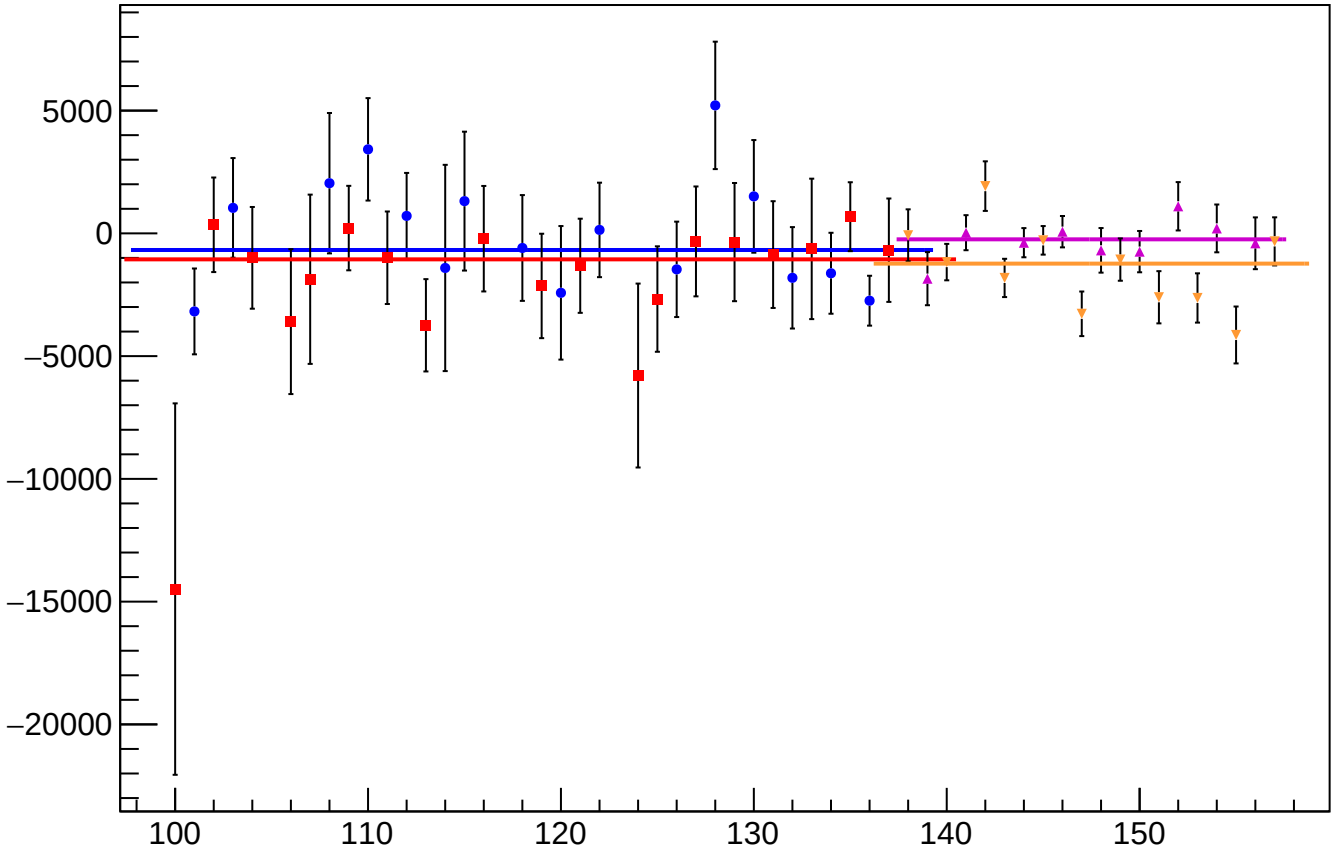
Left In: 75.904+/-0.019 χ^2/NDF:125482.9/8

+ sign 81.199+/-0.015 χ^2/NDF: 844731.9/26

All: 81.630+/-0.011 χ^2/NDF: 1783122.5/54

- sign 82.092+/-0.015 χ^2/NDF: 936609.3/27

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1232.529+/-262.504 χ^2/NDF:30.0/10

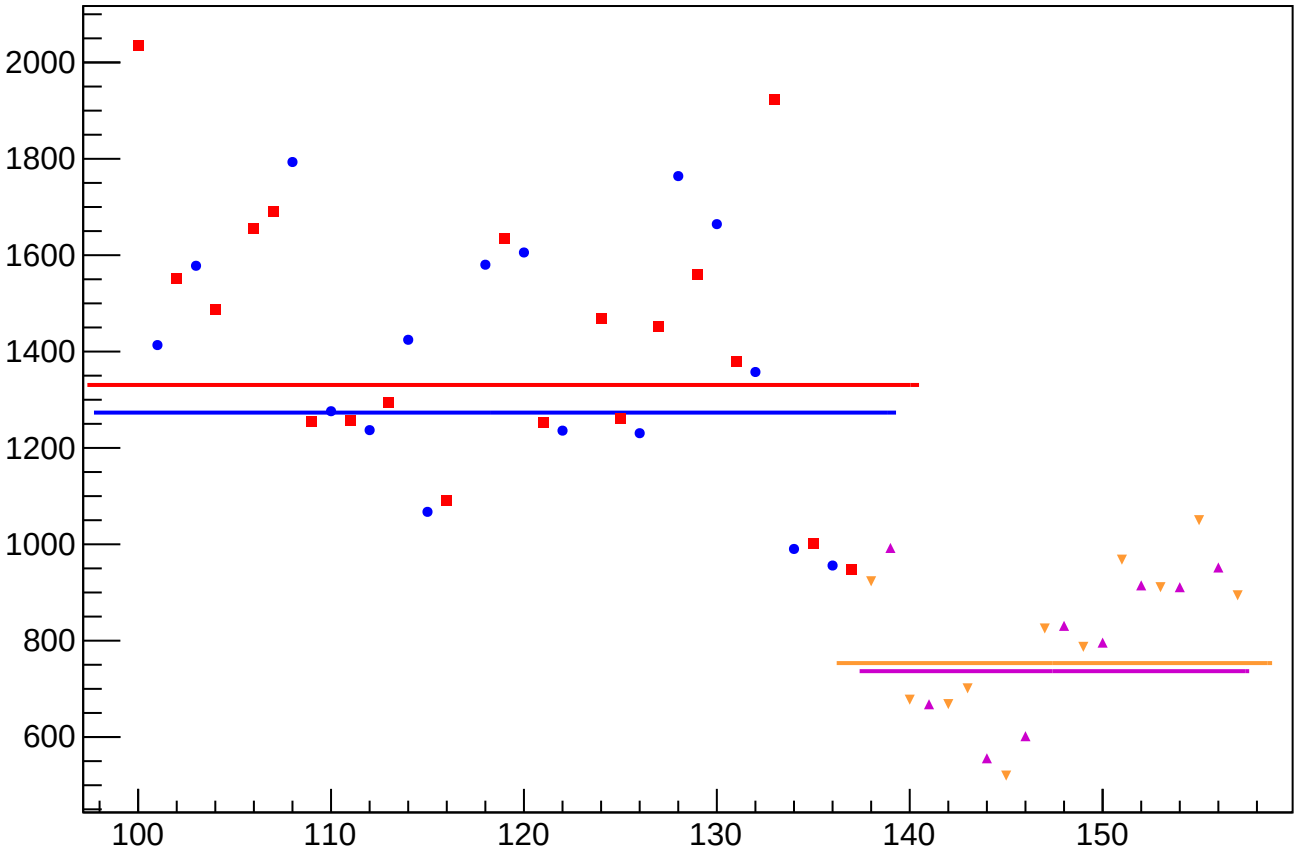
Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: -243.191+/-270.065 χ^2/NDF:5.3/8

+ sign -1107.340+/-231.017 χ^2/NDF: 51.3/26

All: -777.396+/-165.504 χ^2/NDF: 74.4/54

- sign -429.486+/-237.224 χ^2/NDF: 18.9/27



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 753.498+/-0.186 χ^2/NDF:736256.7/10

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

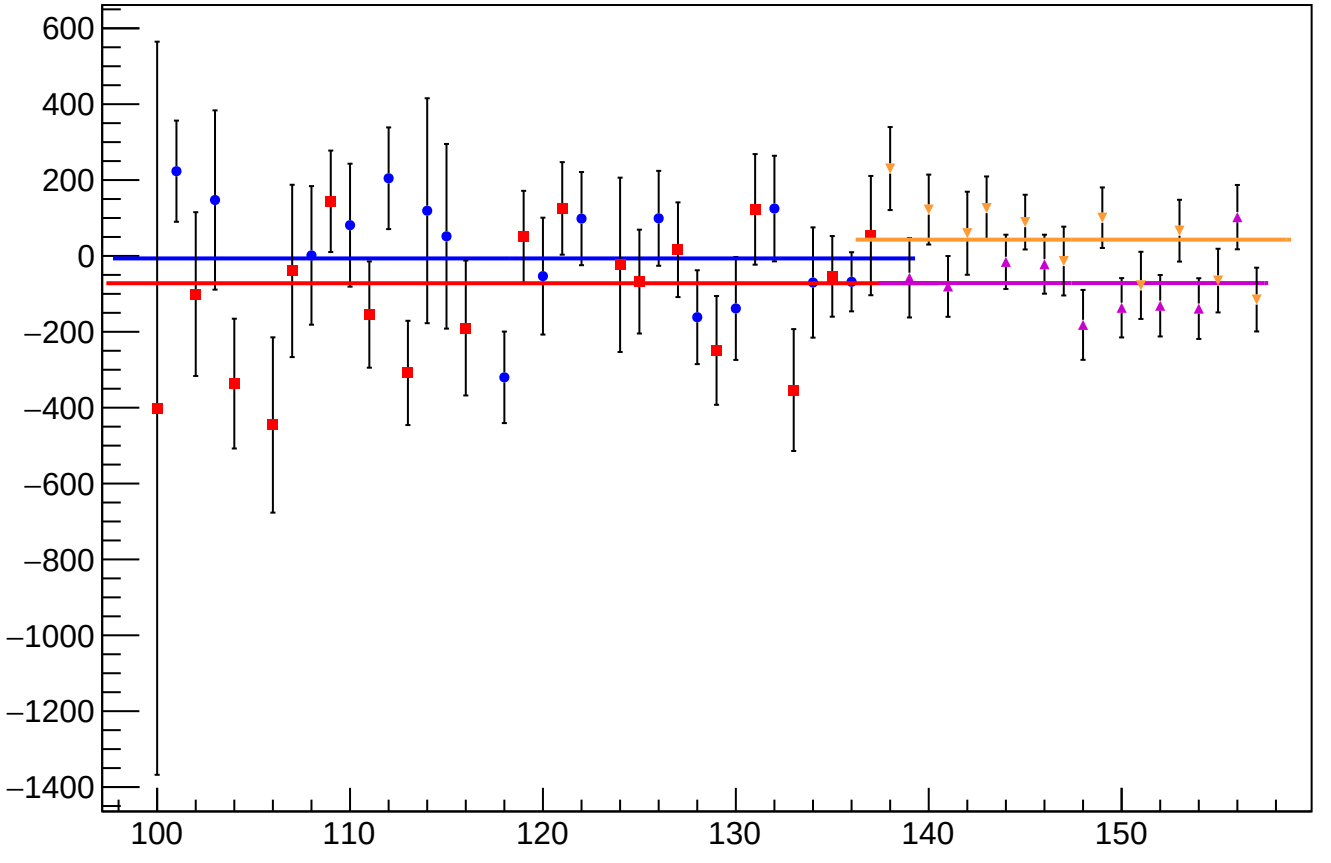
Left In: 736.735+/-0.191 χ^2/NDF:648780.5/8

+ sign 870.722+/-0.163 χ^2/NDF: 3102395.0/26

All: 871.542+/-0.117 χ^2/NDF: 6431616.9/54

- sign 872.406+/-0.168 χ^2/NDF: 3329170.2/27

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

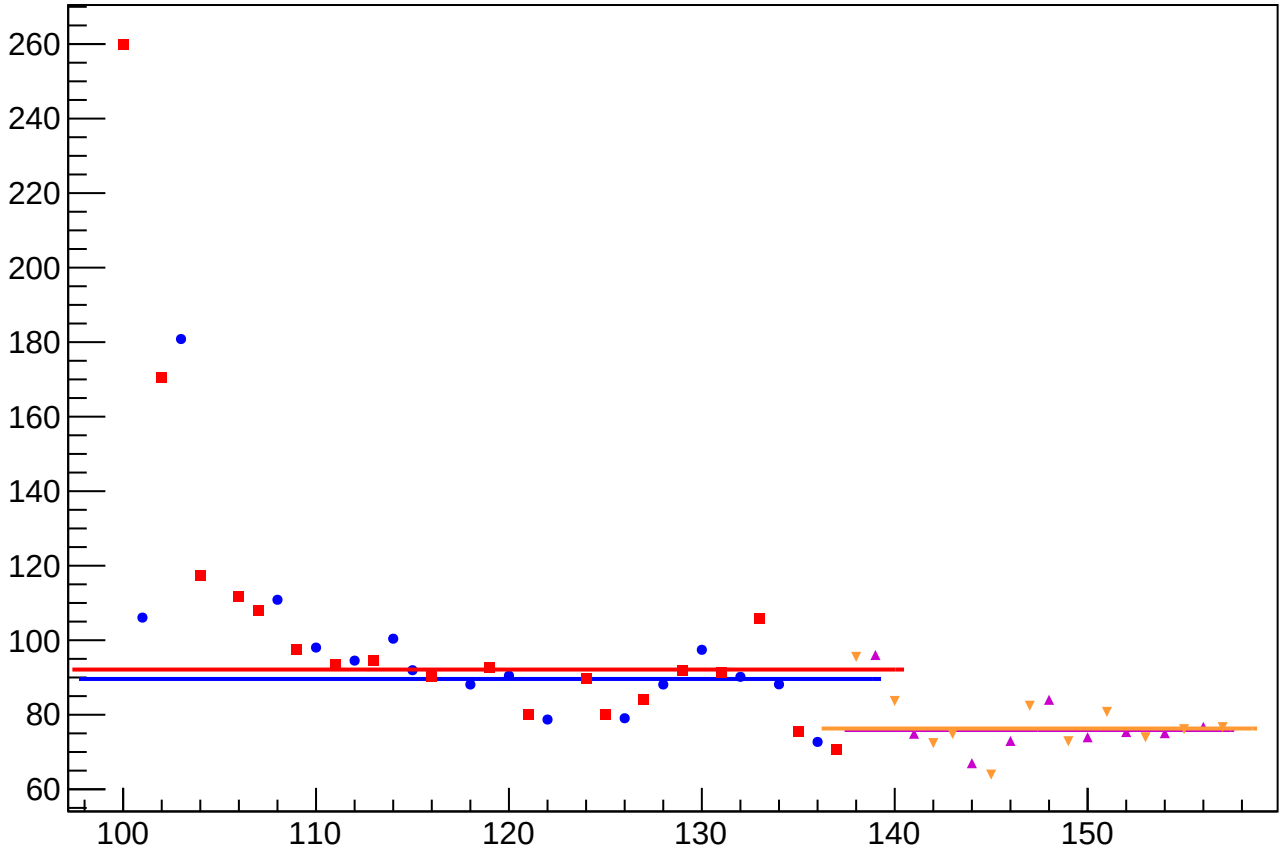
Left In: -71.534+/-27.348 χ^2/NDF:8.6/8

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -21.849+/-14.956 χ^2/NDF: 75.1/54

- sign -71.704+/-21.523 χ^2/NDF: 31.4/27

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

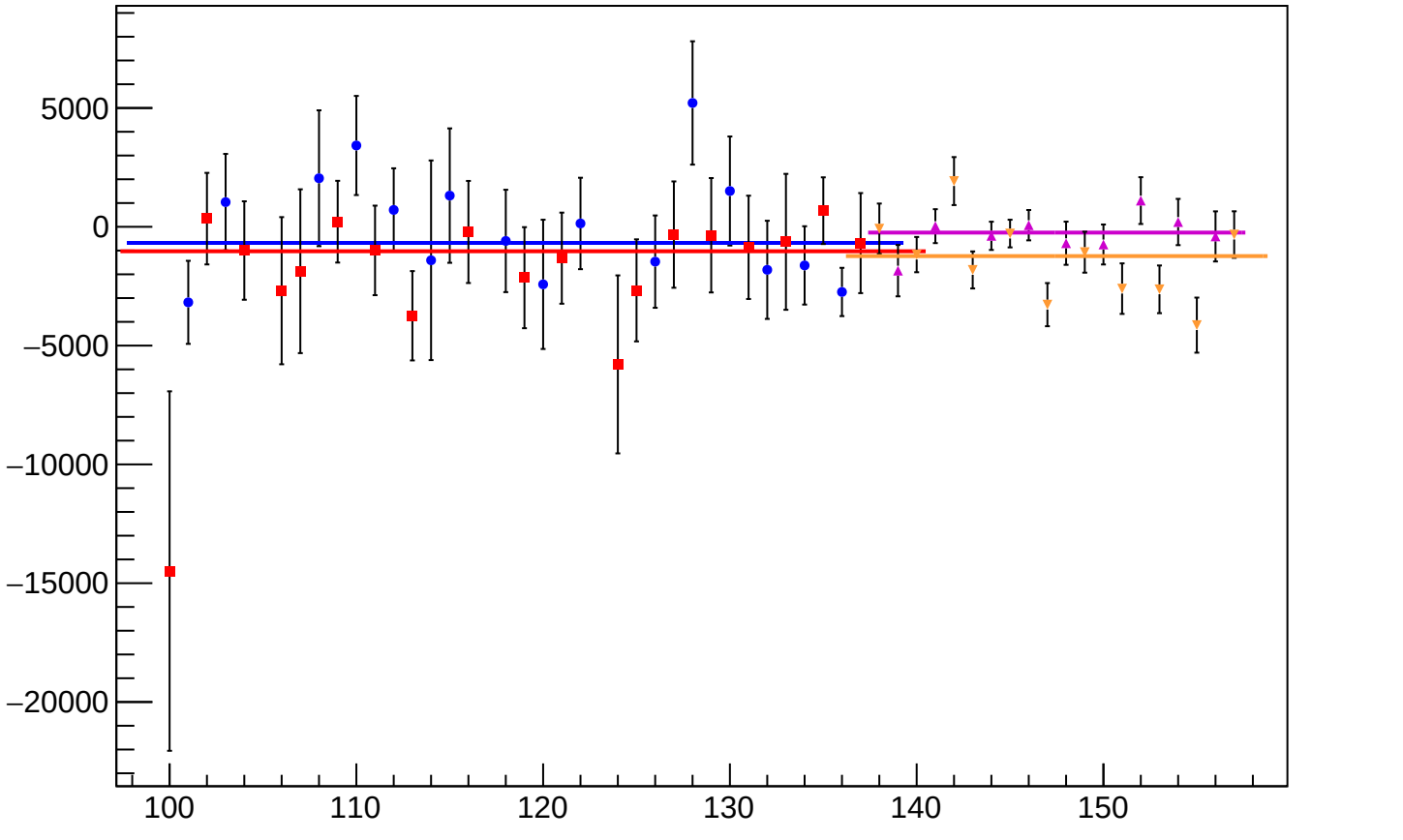
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.904+/-0.019 χ^2/NDF:125482.9/8

\+ sign 81.199+/-0.015 χ^2/NDF: 844735.4/26

All: 81.624+/-0.011 χ^2/NDF: 1780241.0/54

\- sign 82.080+/-0.015 χ^2/NDF: 933773.9/27



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

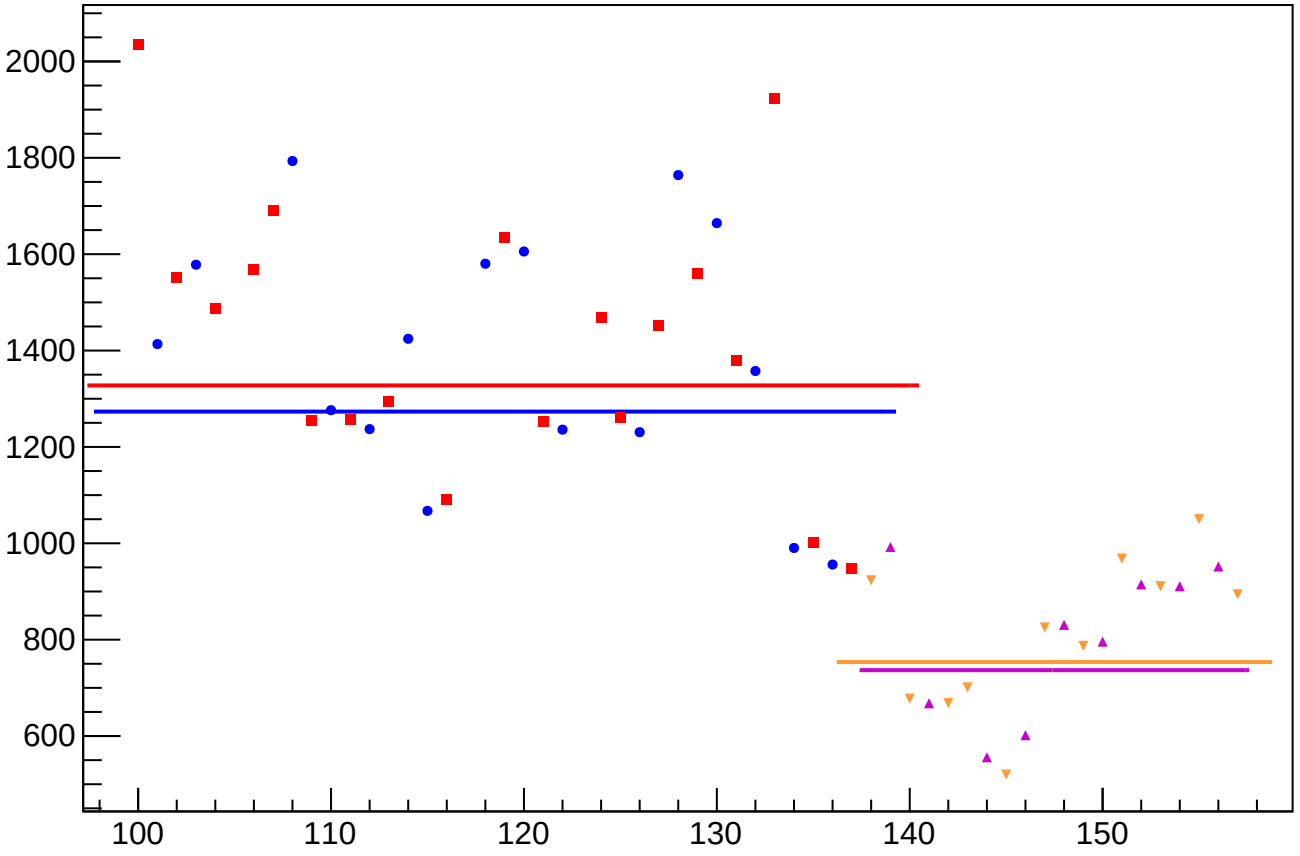
Left In: -243.196+/-270.065 χ^2/NDF:5.3/8

+ sign -1107.327+/-231.017 χ^2/NDF: 51.3/26

All: -774.050+/-165.529 χ^2/NDF: 73.8/54

- sign -422.410+/-237.296 χ^2/NDF: 18.2/27

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

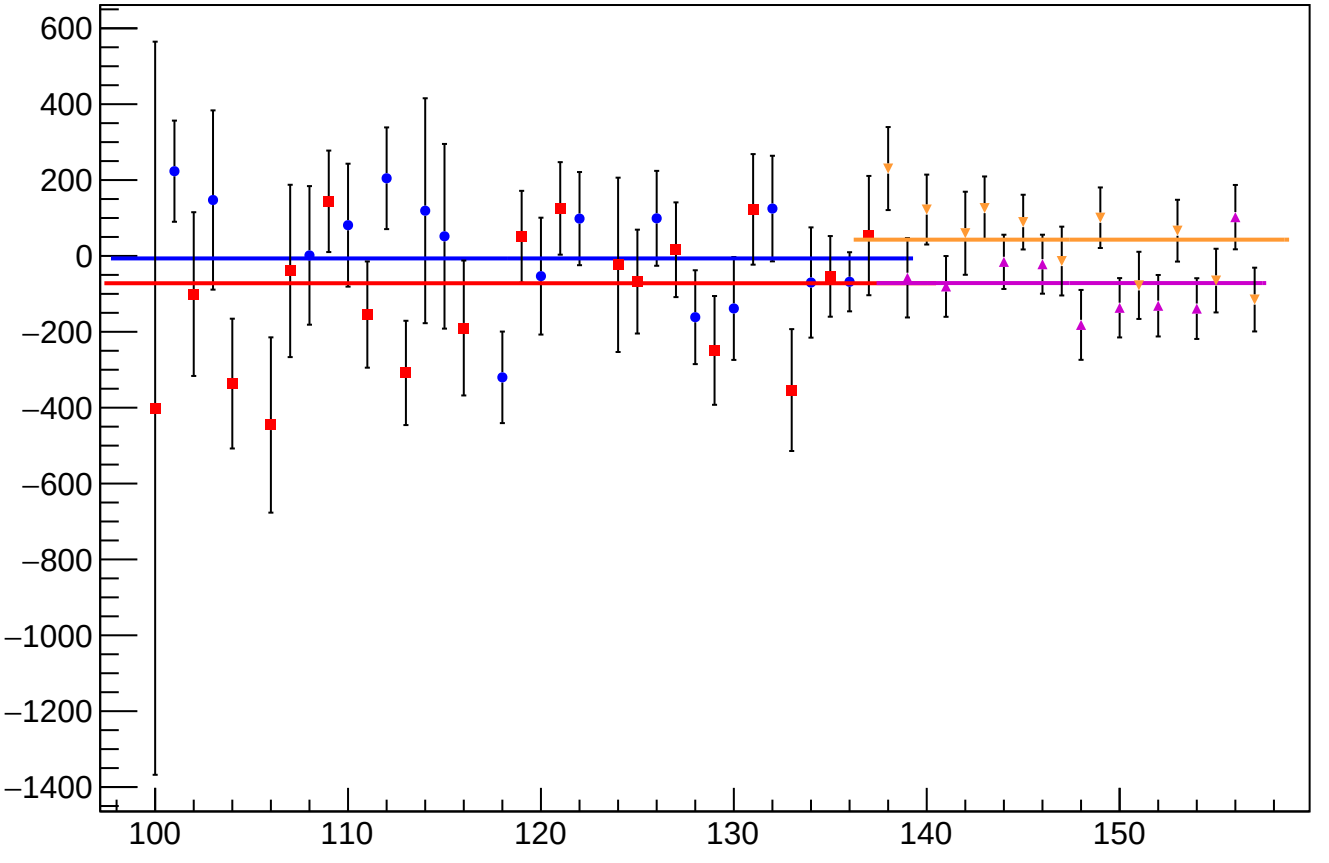
Left In: 736.735+/-0.191 χ^2/NDF:648778.3/8

+ sign 870.722+/-0.163 χ^2/NDF: 3102441.0/26

All: 871.070+/-0.117 χ^2/NDF: 6392428.0/54

- sign 871.436+/-0.168 χ^2/NDF: 3289977.7/27

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 42.898+/-26.158 χ^2/NDF:13.1/10

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

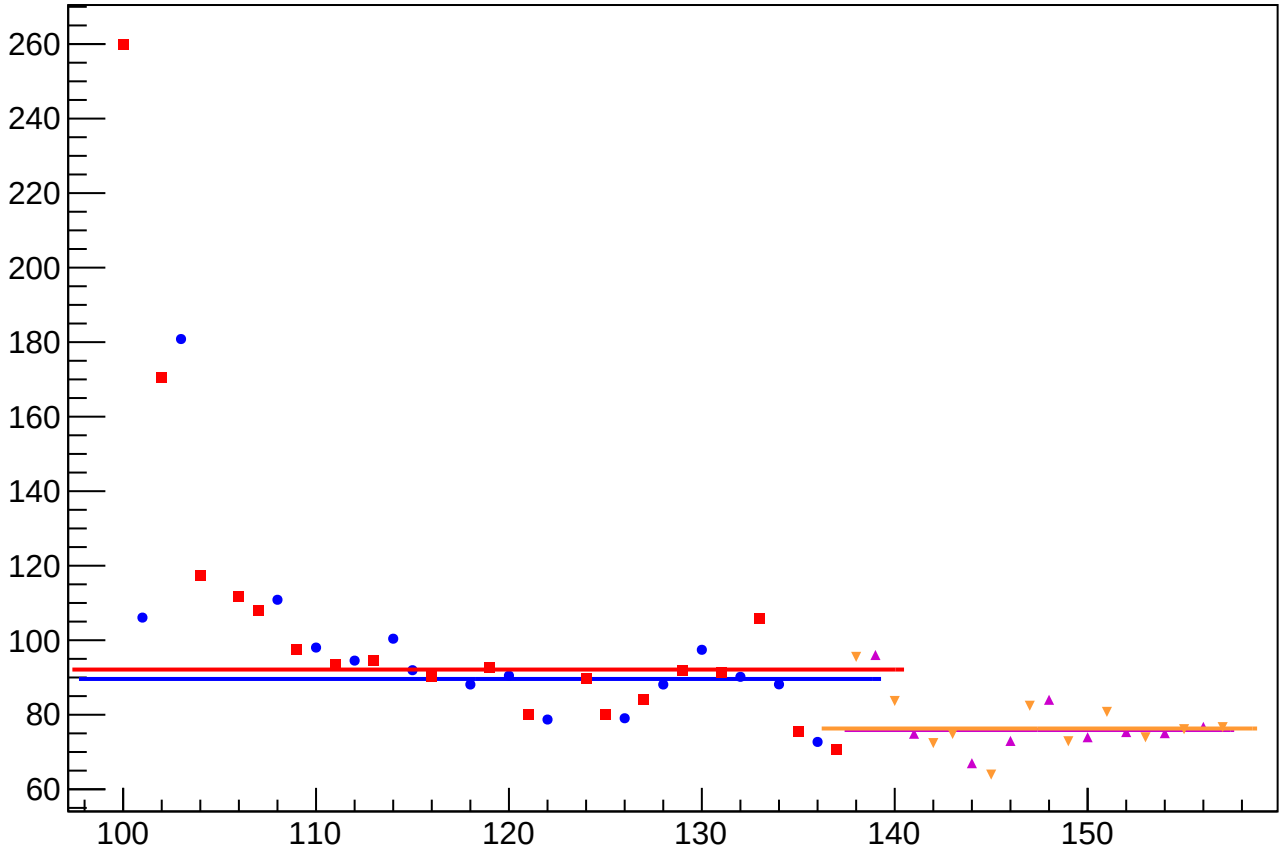
Left In: -71.534+/-27.348 χ^2/NDF:8.6/8

+ sign 24.699+/-20.797 χ^2/NDF: 33.4/26

All: -21.849+/-14.956 χ^2/NDF: 75.1/54

- sign -71.704+/-21.523 χ^2/NDF: 31.4/27

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.307+/-0.018 χ^2/NDF:156225.0/10

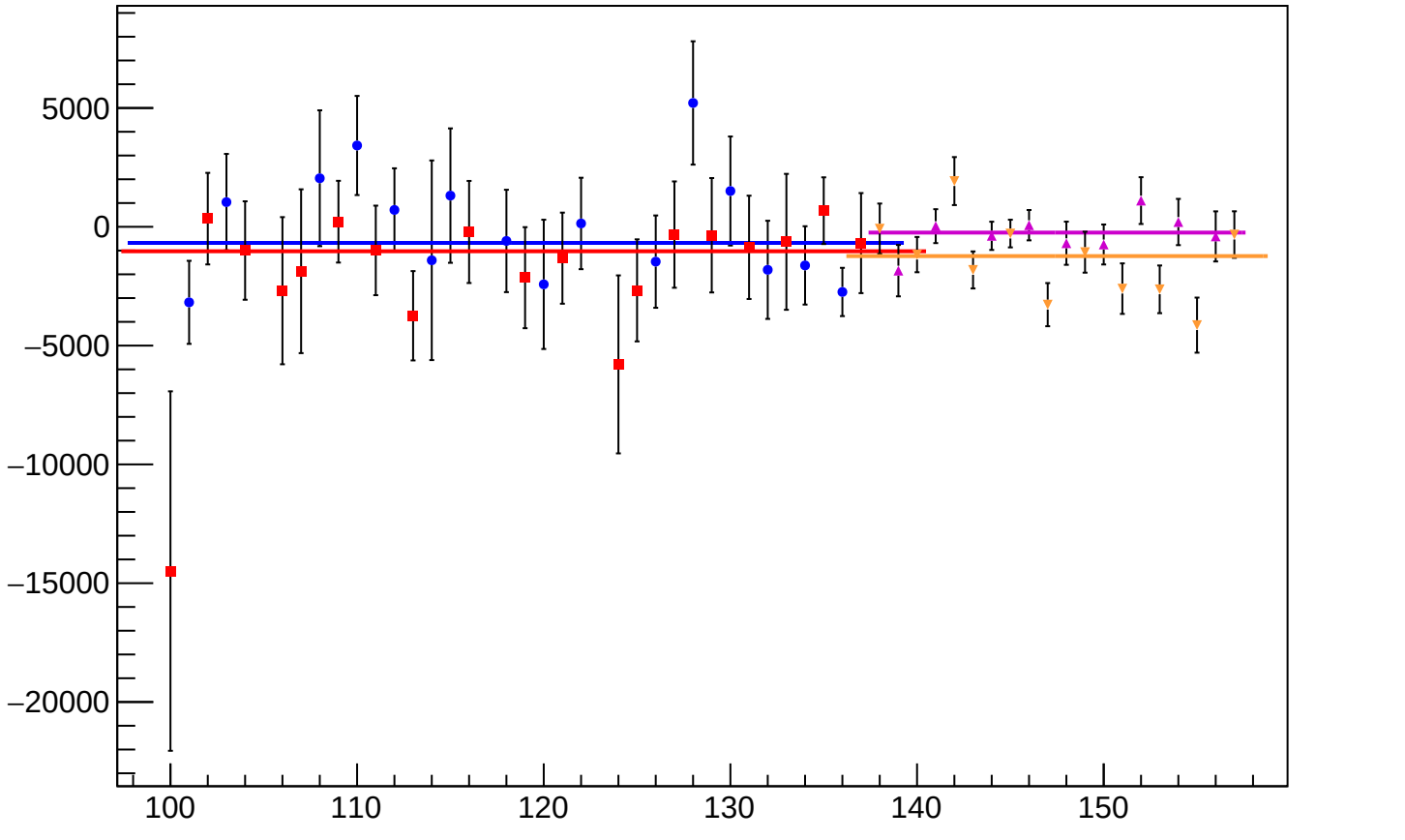
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.904+/-0.019 χ^2/NDF:125482.9/8

\+ sign 81.199+/-0.015 χ^2/NDF: 844735.4/26

All: 81.624+/-0.011 χ^2/NDF: 1780241.0/54

\- sign 82.080+/-0.015 χ^2/NDF: 933773.9/27



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1232.522+/-262.503 χ^2/NDF:30.0/10

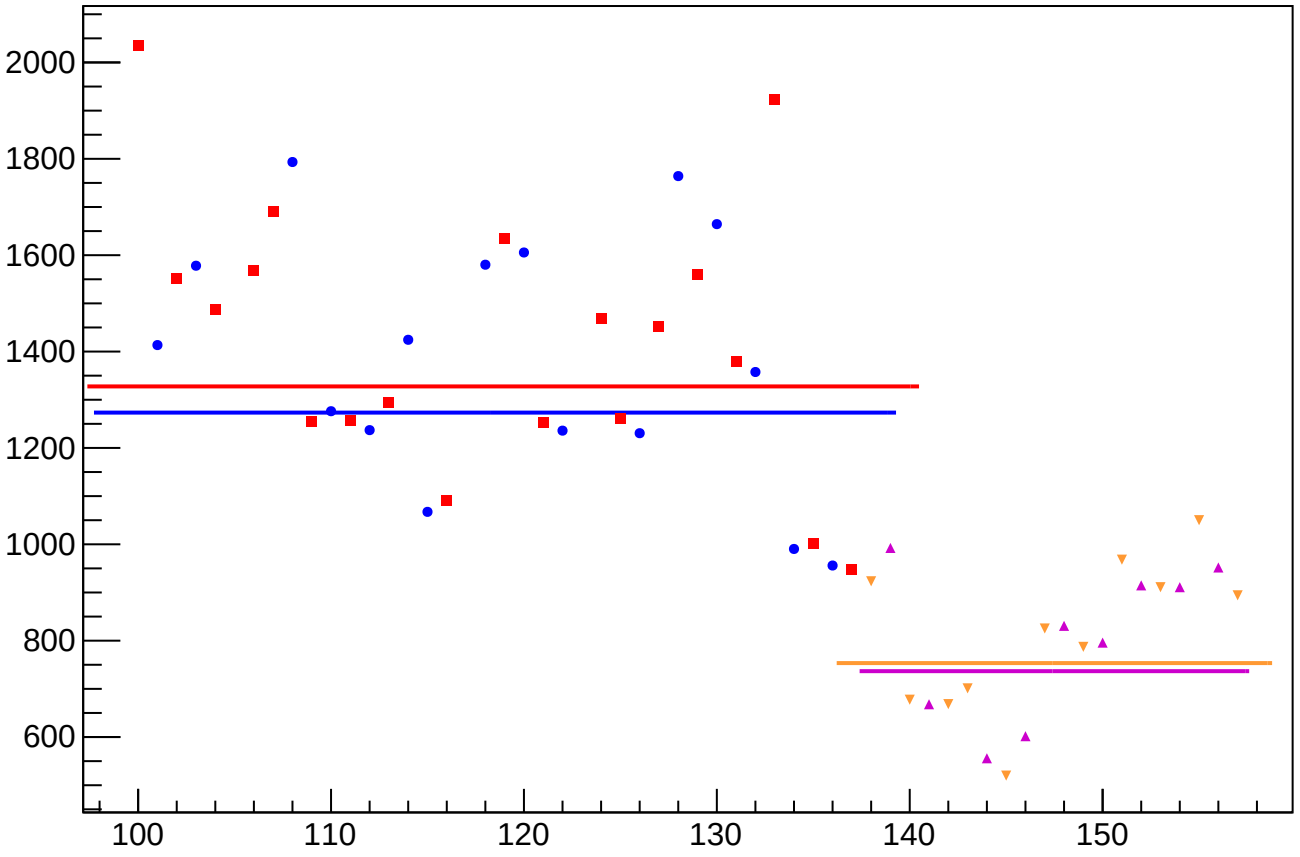
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -243.196+/-270.065 χ^2/NDF:5.3/8

+ sign -1107.327+/-231.017 χ^2/NDF: 51.3/26

All: -774.050+/-165.529 χ^2/NDF: 73.8/54

- sign -422.410+/-237.296 χ^2/NDF: 18.2/27



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 753.498+/-0.186 χ^2/NDF:736259.9/10

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

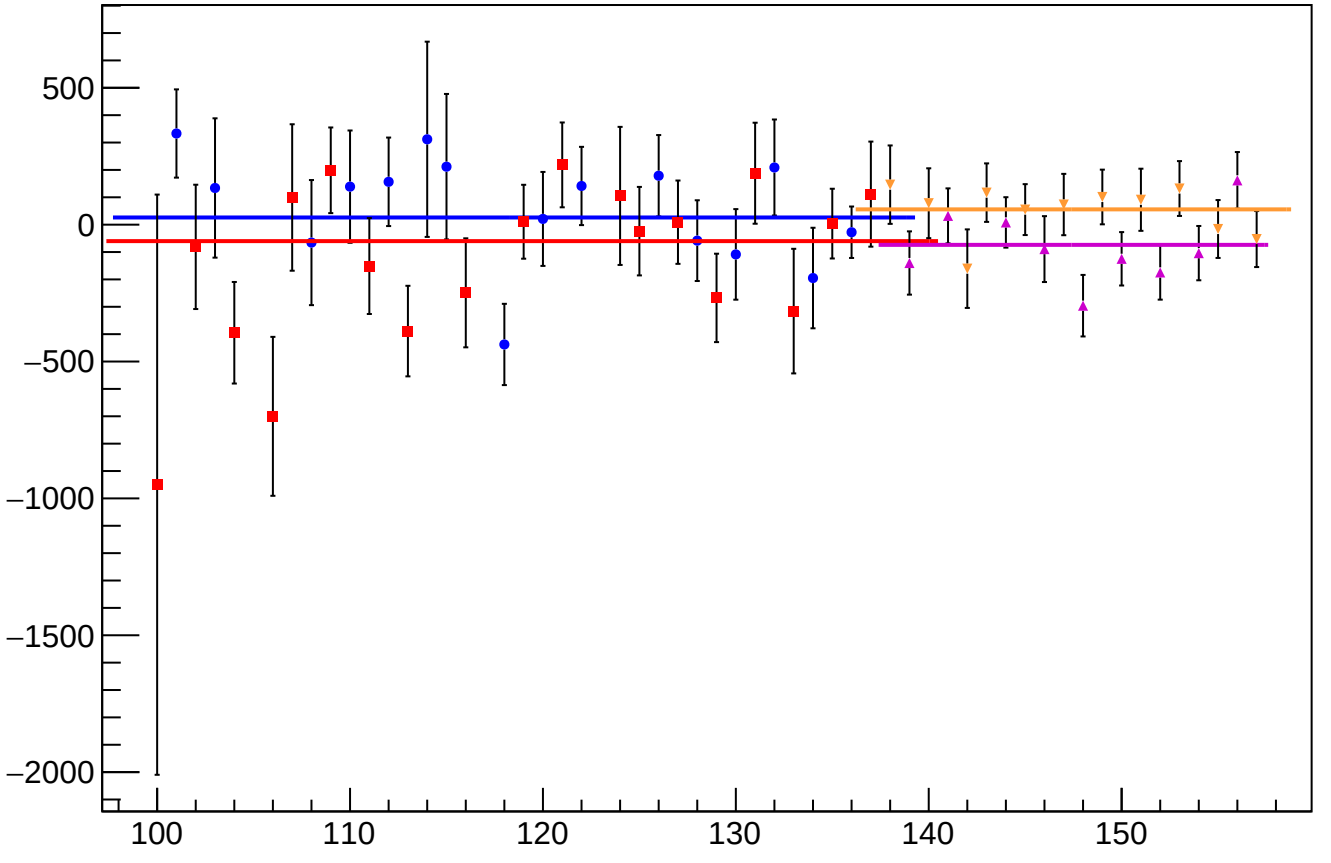
Left In: 736.735+/-0.191 χ^2/NDF:648778.3/8

+ sign 870.722+/-0.163 χ^2/NDF: 3102441.0/26

All: 871.070+/-0.117 χ^2/NDF: 6392428.0/54

- sign 871.436+/-0.168 χ^2/NDF: 3289977.7/27

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 55.865+/-33.256 χ^2/NDF:5.5/10

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

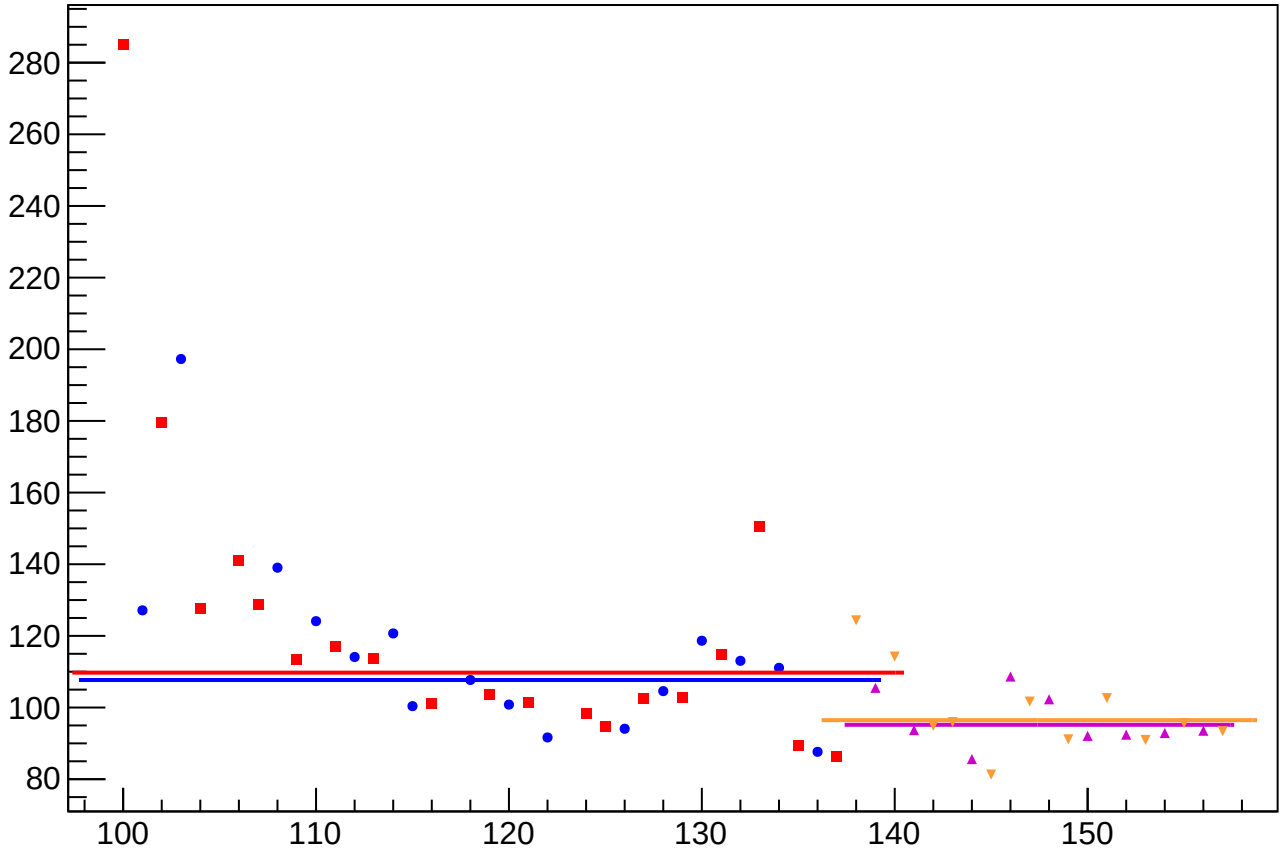
Left In: -73.804+/-34.473 χ^2/NDF:12.7/8

+ sign 44.189+/-25.882 χ^2/NDF: 27.2/26

All: -10.638+/-18.525 χ^2/NDF: 76.2/54

- sign -68.221+/-26.525 χ^2/NDF: 39.8/27

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.474+/-0.024 χ^2/NDF:191919.0/10

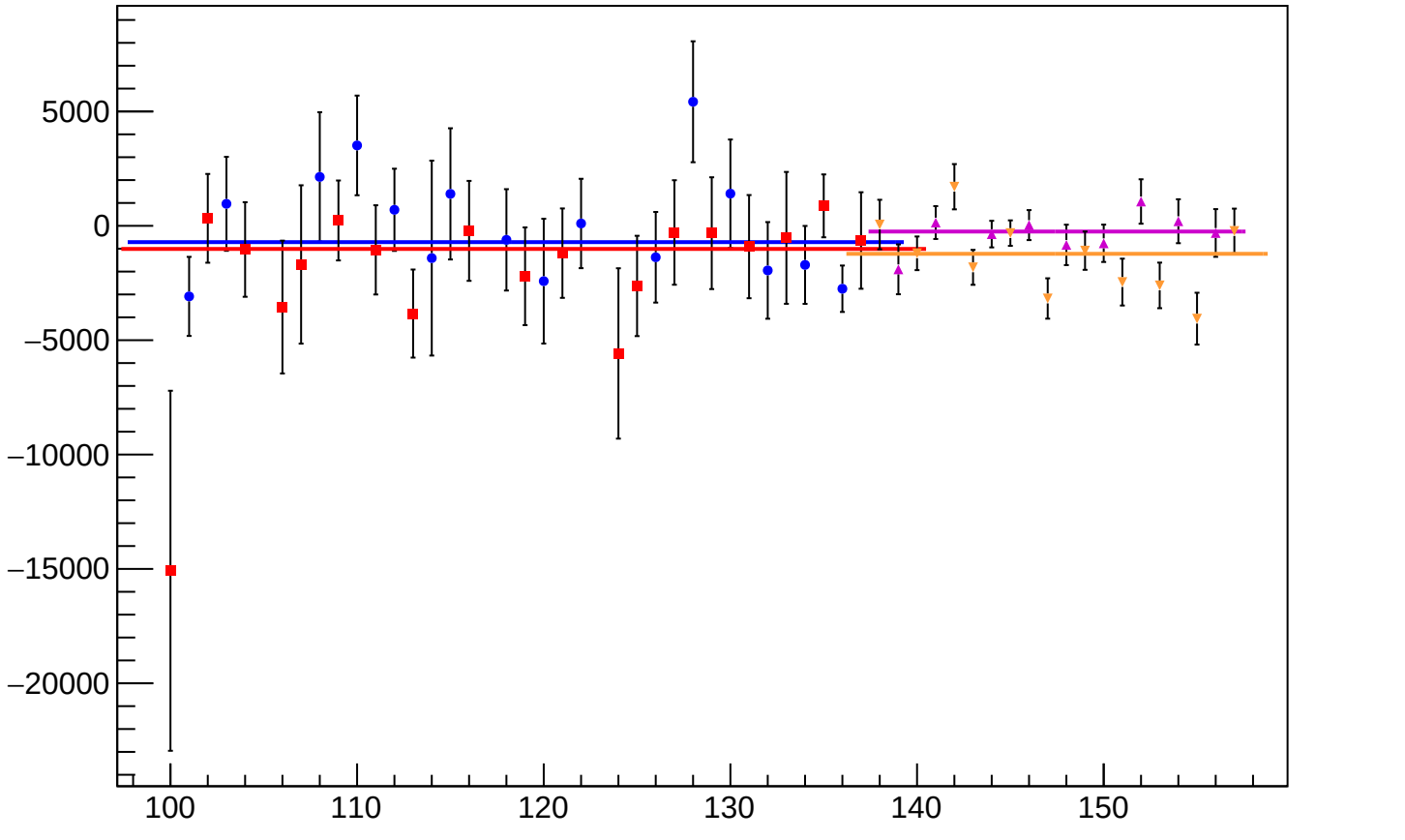
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.183+/-0.024 χ^2/NDF:76092.5/8

+ sign 100.892+/-0.018 χ^2/NDF: 764579.3/26

All: 101.004+/-0.013 χ^2/NDF: 1478017.4/54

- sign 101.121+/-0.019 χ^2/NDF: 713361.5/27



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

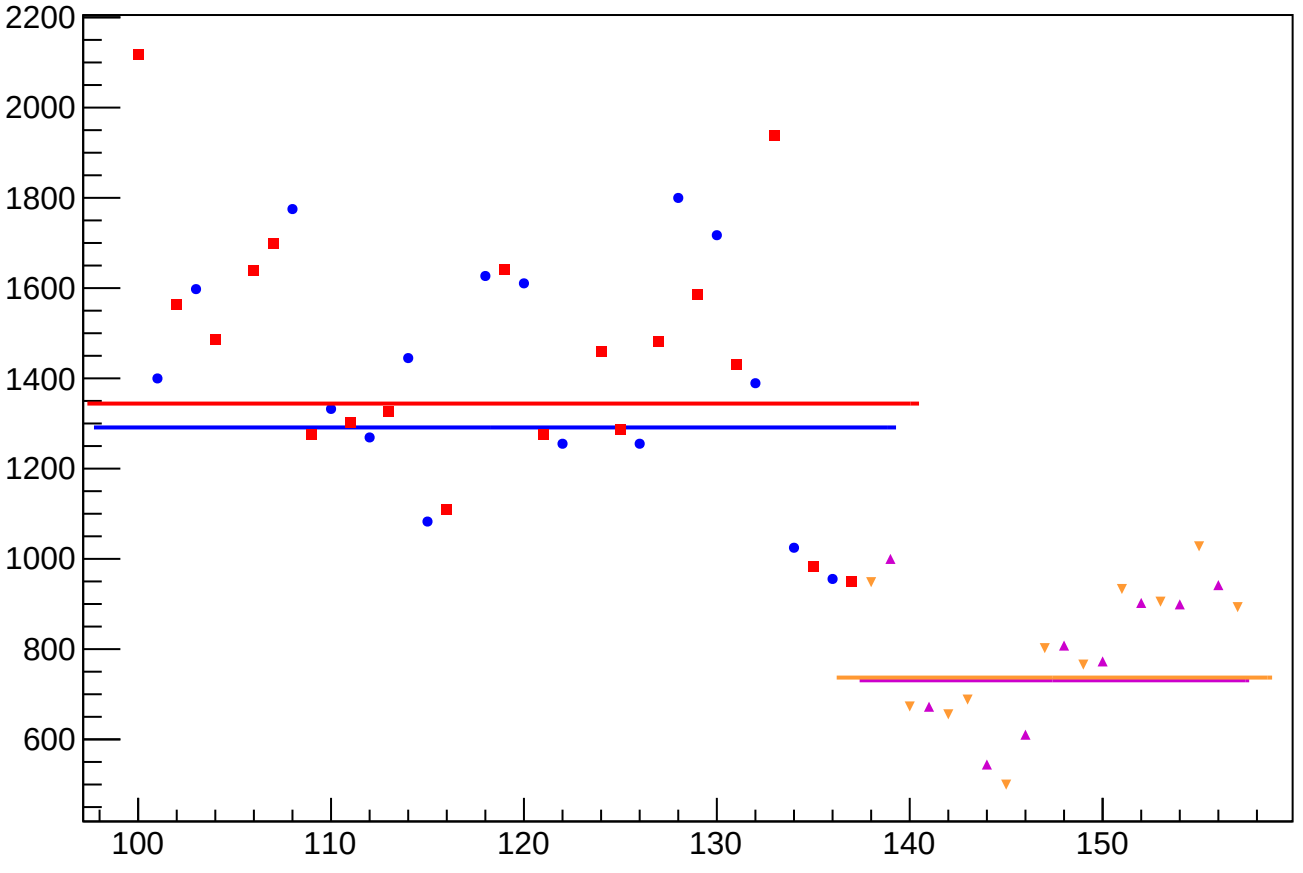
Left In: -249.822+/-268.030 χ^2/NDF:5.7/8

+ sign -1114.847+/-227.845 χ^2/NDF: 50.0/26

All: -779.659+/-164.043 χ^2/NDF: 73.7/54

- sign -418.908+/-236.374 χ^2/NDF: 19.3/27

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 736.961+/-0.182 χ^2/NDF:802236.4/10

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

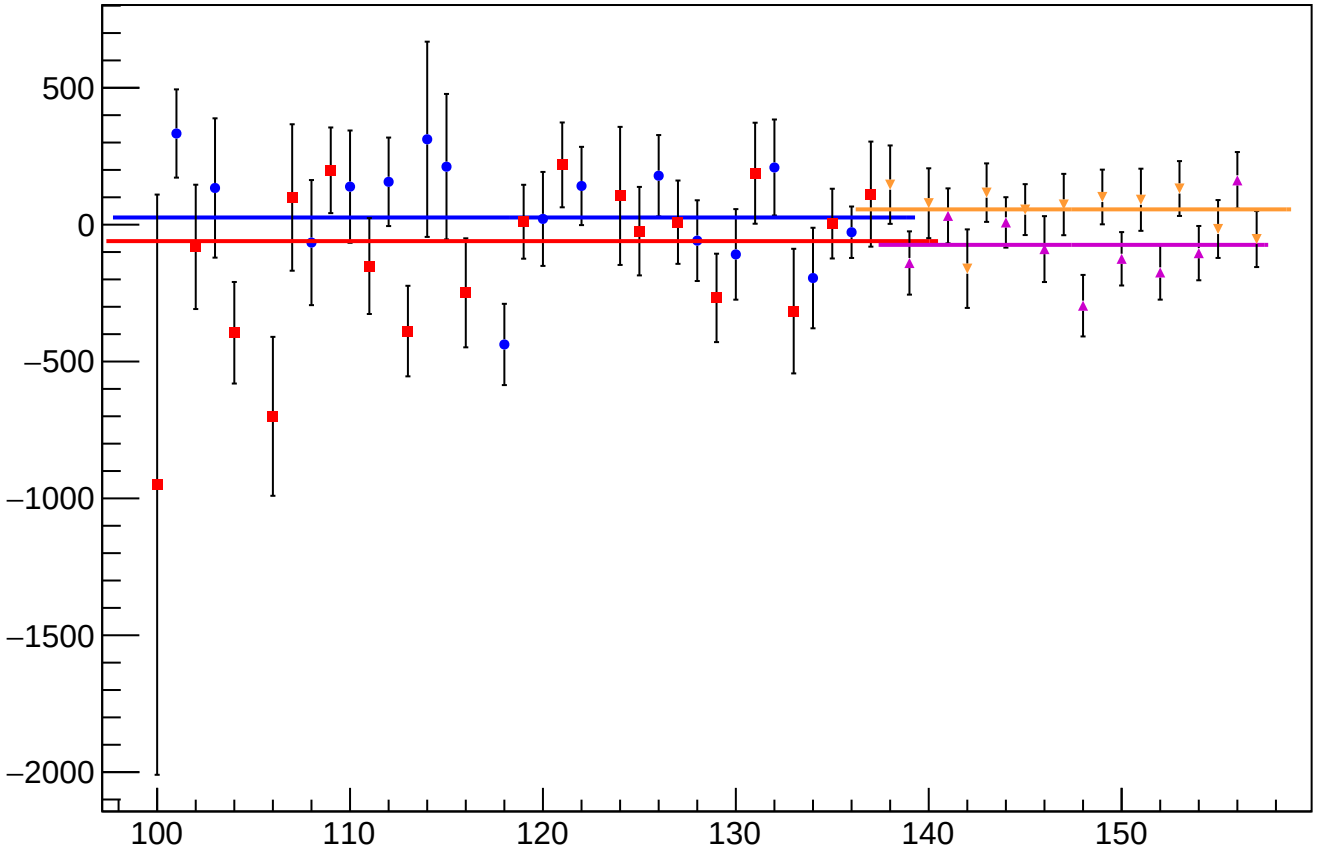
Left In: 730.920+/-0.190 χ^2/NDF:635094.4/8

+ sign 855.225+/-0.161 χ^2/NDF: 3399642.7/26

All: 860.999+/-0.116 χ^2/NDF: 6855056.3/54

- sign 867.214+/-0.167 χ^2/NDF: 3452746.6/27

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 55.866+/-33.256 χ^2/NDF:5.5/10

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

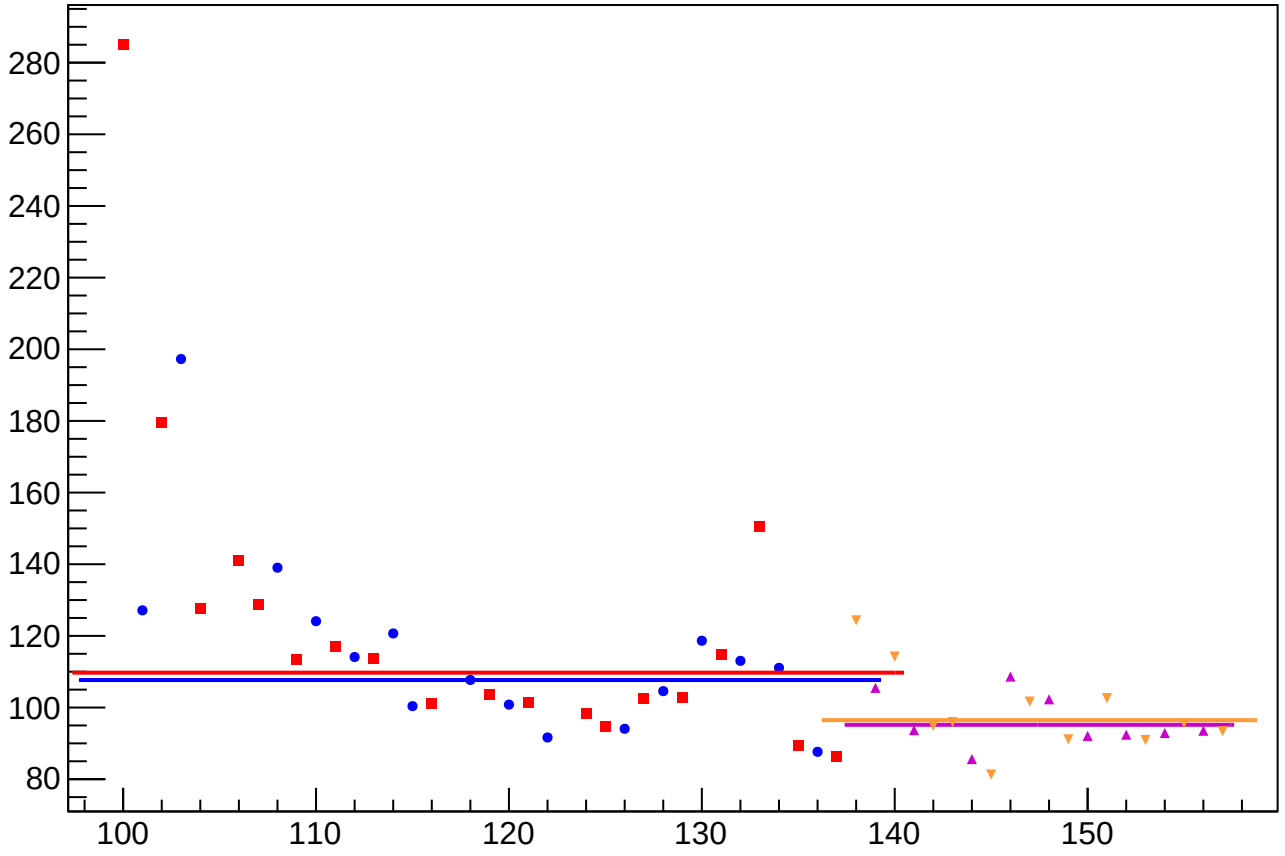
Left In: -73.805+/-34.473 χ^2/NDF:12.7/8

+ sign 44.190+/-25.882 χ^2/NDF: 27.2/26

All: -10.637+/-18.525 χ^2/NDF: 76.2/54

- sign -68.221+/-26.525 χ^2/NDF: 39.8/27

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.474+/-0.024 χ^2/NDF:191906.4/10

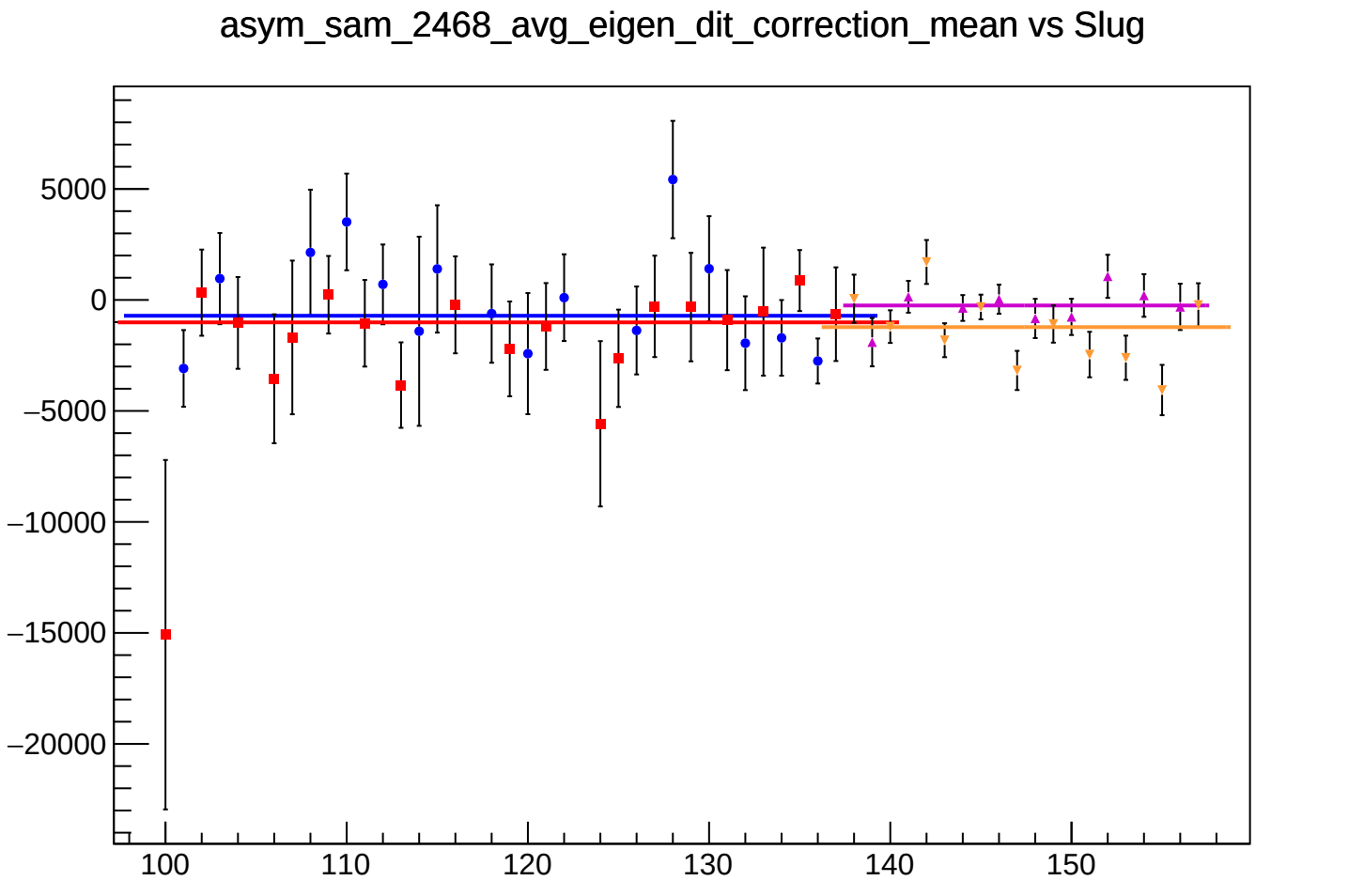
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.183+/-0.024 χ^2/NDF:76089.5/8

+ sign 100.892+/-0.018 χ^2/NDF: 764533.5/26

All: 101.004+/-0.013 χ^2/NDF: 1477944.5/54

- sign 101.122+/-0.019 χ^2/NDF: 713334.4/27



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1223.878+/-256.894 χ^2/NDF:29.0/10

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

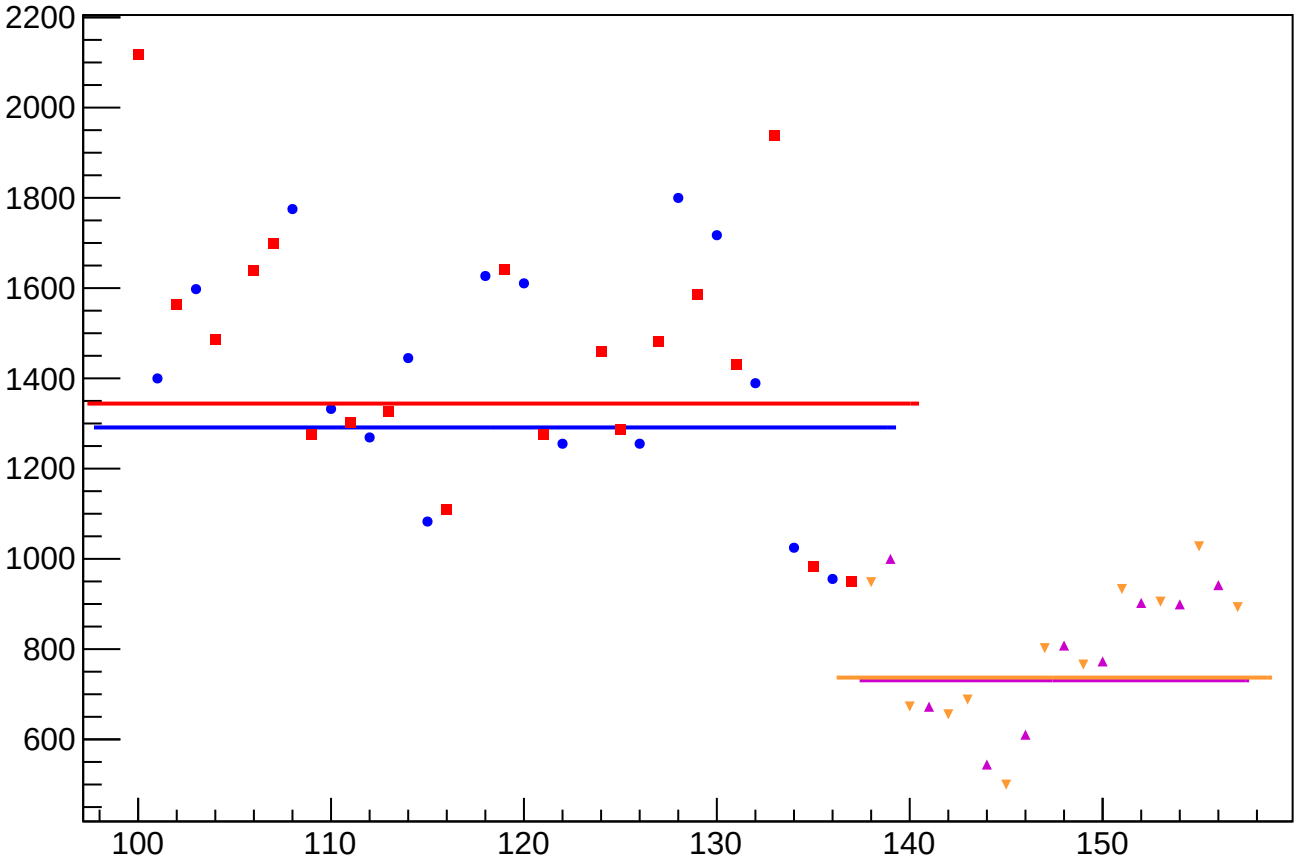
Left In: -249.822+/-268.030 χ^2/NDF:5.7/8

+ sign -1114.845+/-227.844 χ^2/NDF: 50.0/26

All: -779.658+/-164.043 χ^2/NDF: 73.7/54

- sign -418.908+/-236.373 χ^2/NDF: 19.3/27

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 736.959+/-0.182 χ^2/NDF:802244.7/10

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

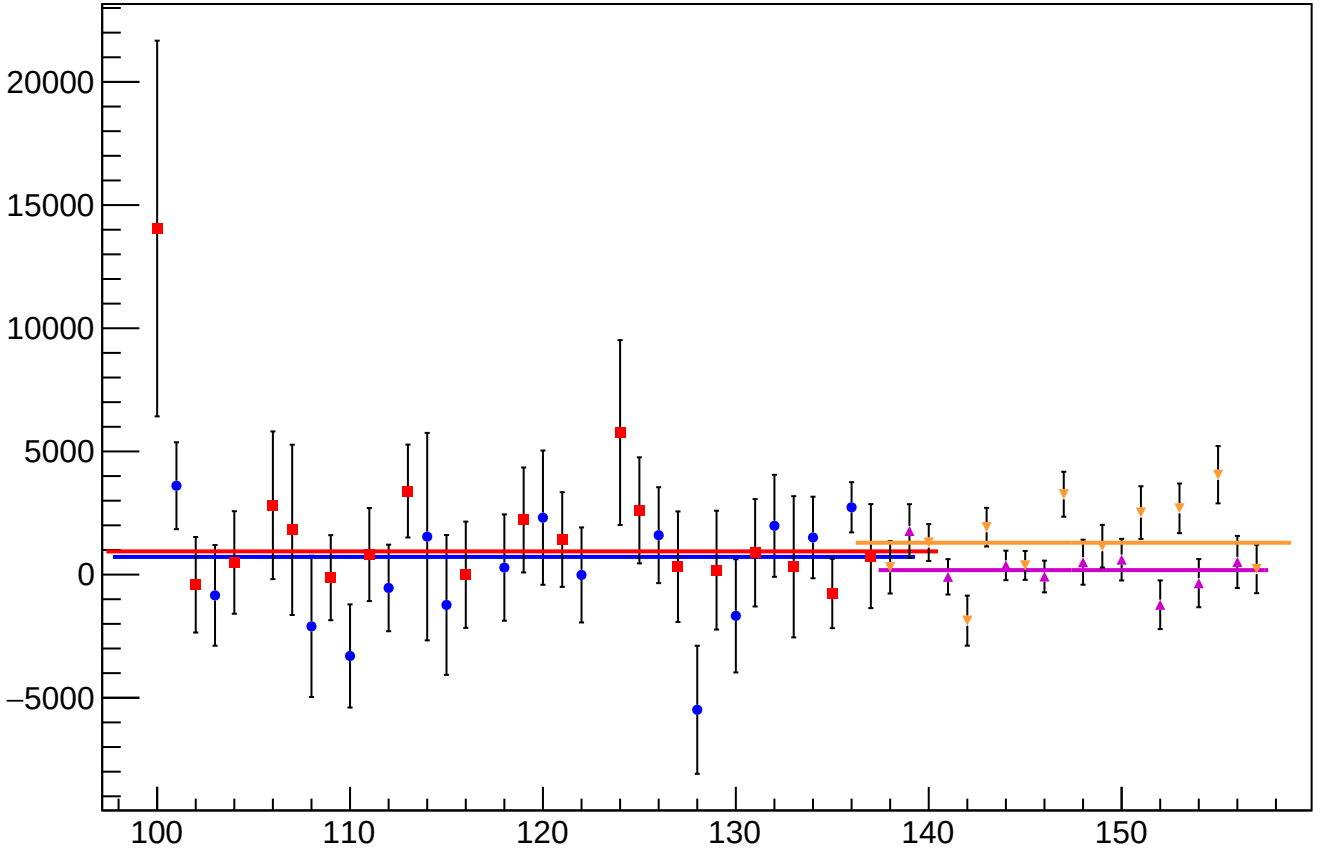
Left In: 730.919+/-0.190 χ^2/NDF:635095.3/8

\+ sign 855.223+/-0.161 χ^2/NDF: 3399647.6/26

All: 860.998+/-0.116 χ^2/NDF: 6855054.7/54

\- sign 867.213+/-0.167 χ^2/NDF: 3452740.0/27

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1293.469+/-263.996 χ^2/NDF:28.4/10

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

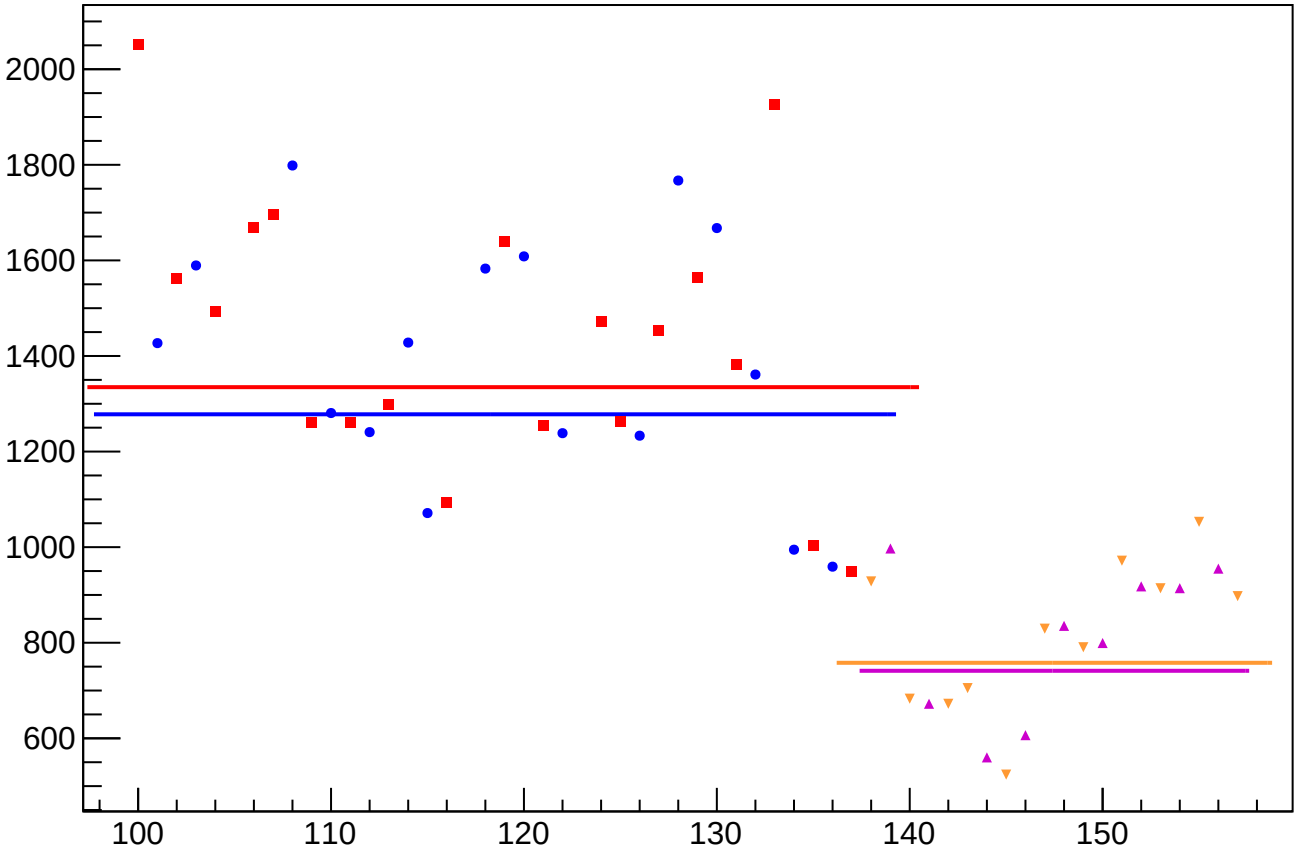
Left In: 181.894+/-271.644 χ^2/NDF:5.3/8

+ sign 1163.196+/-232.223 χ^2/NDF: 50.5/26

All: 770.441+/-166.374 χ^2/NDF: 74.1/54

- sign 356.236+/-238.479 χ^2/NDF: 17.7/27

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 758.043+/-0.187 χ^2/NDF:725167.6/10

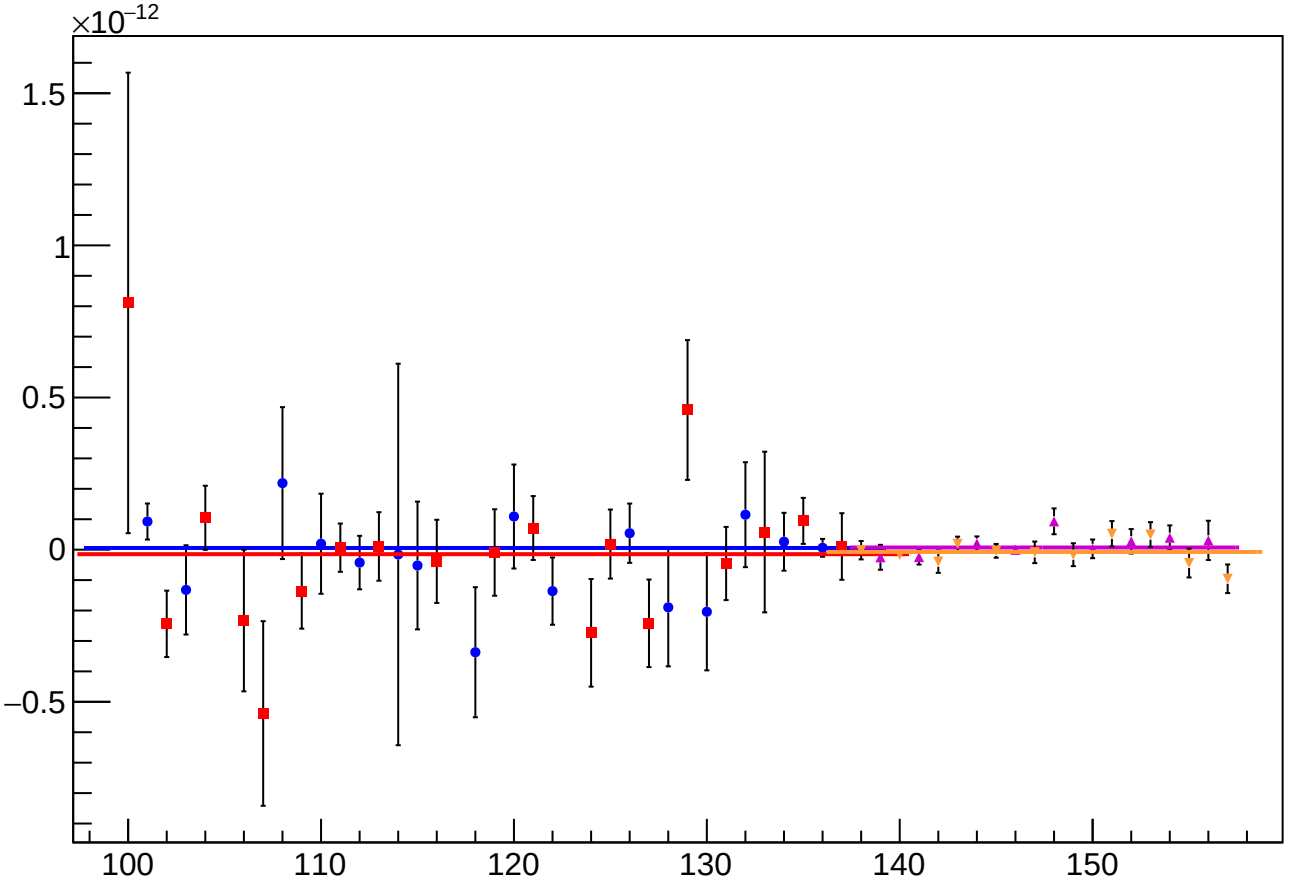
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 741.308+/-0.192 χ^2/NDF:638851.4/8

+ sign 875.666+/-0.164 χ^2/NDF: 3077841.4/26

All: 876.497+/-0.118 χ^2/NDF: 6377287.5/54

- sign 877.374+/-0.169 χ^2/NDF: 3299393.5/27



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/10

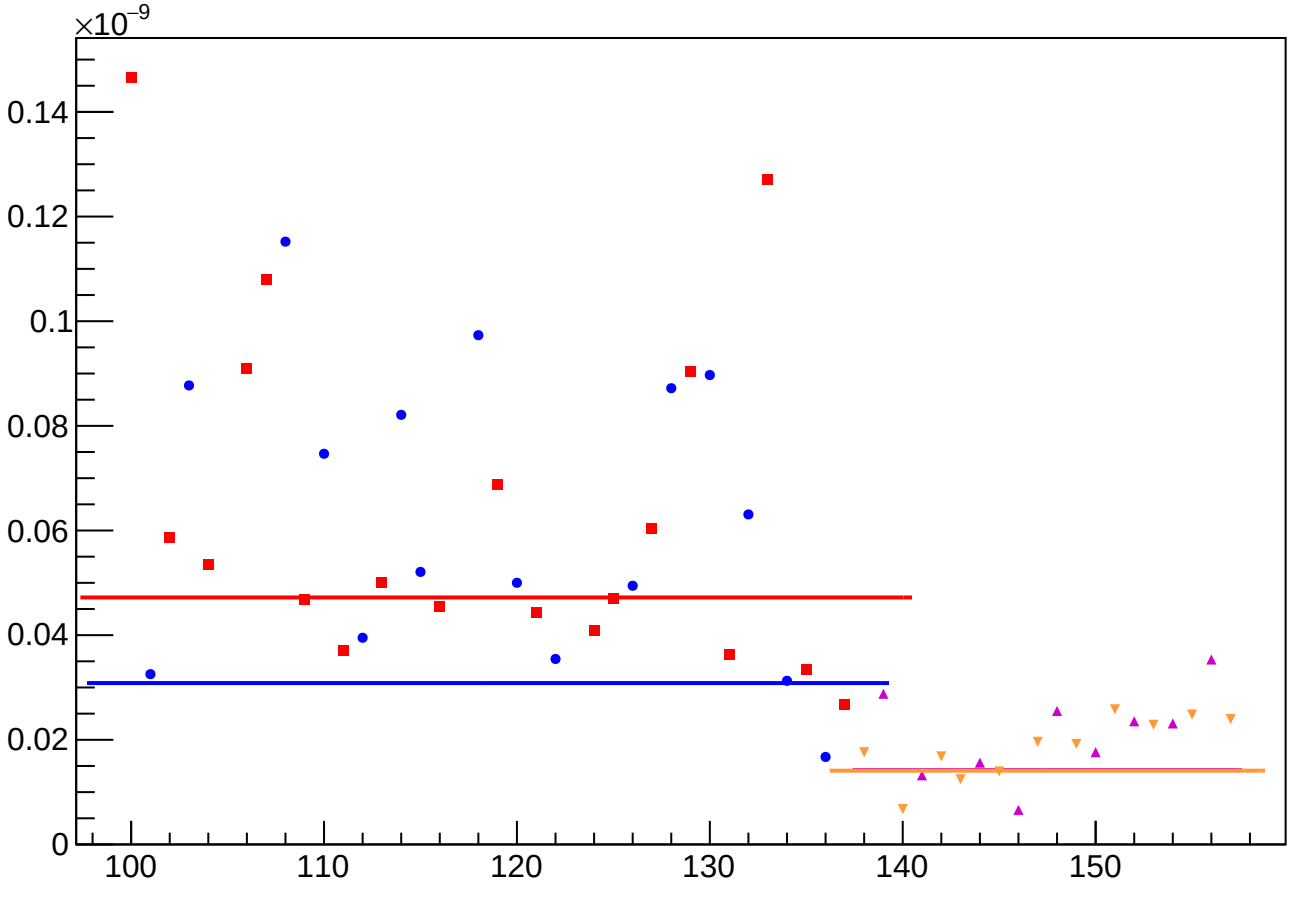
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/8

+ sign -0.000+/-0.000 χ^2/NDF: 22.5/26

All: -0.000+/-0.000 χ^2/NDF: 55.6/54

- sign 0.000+/-0.000 χ^2/NDF: 32.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1038209.1/10

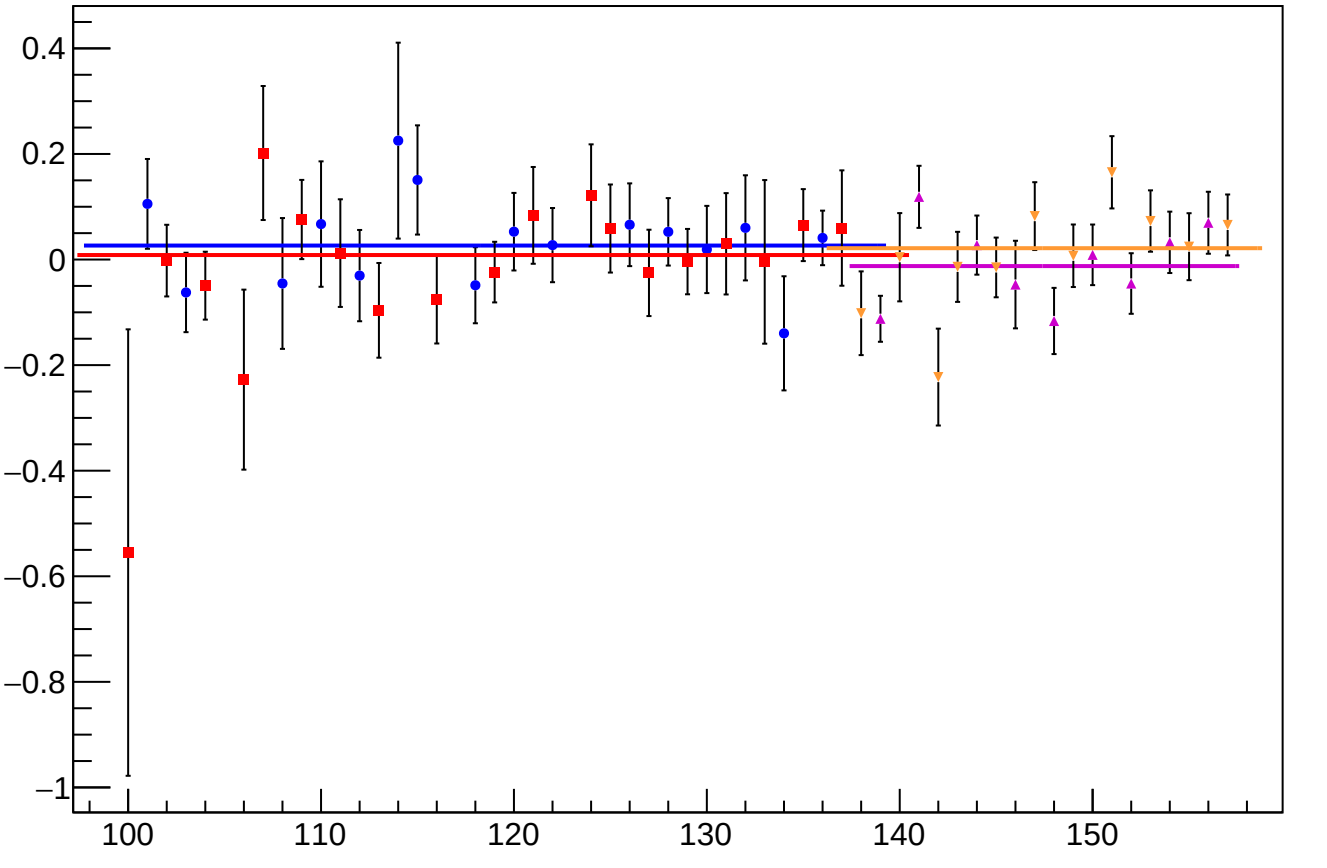
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1396517.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 3989121.5/26

All: 0.000+/-0.000 χ^2/NDF: 8527959.8/54

- sign 0.000+/-0.000 χ^2/NDF: 4527990.7/27



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

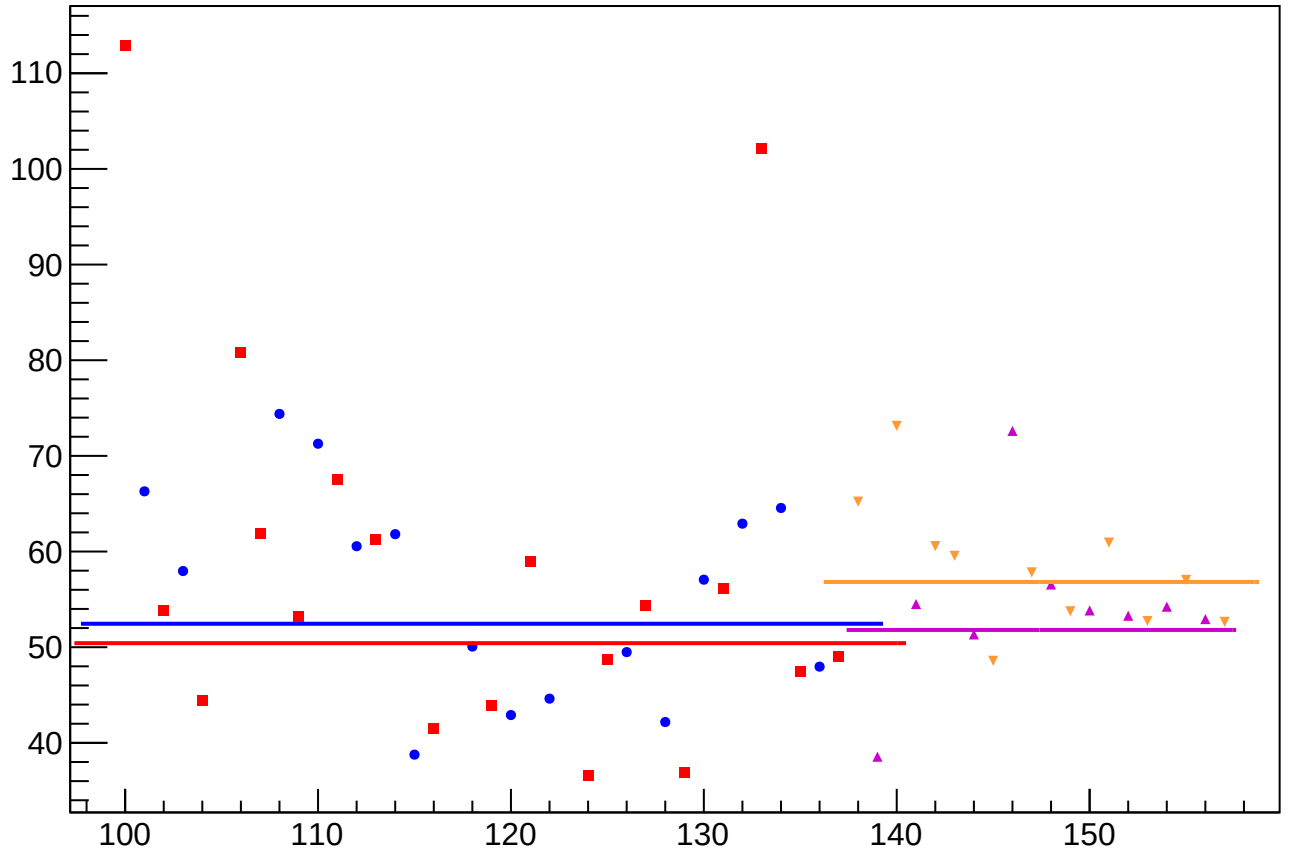
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.019 χ^2/NDF:16.7/8

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.010+/-0.010 χ^2/NDF: 59.9/54

- sign -0.002+/-0.014 χ^2/NDF: 31.2/27



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

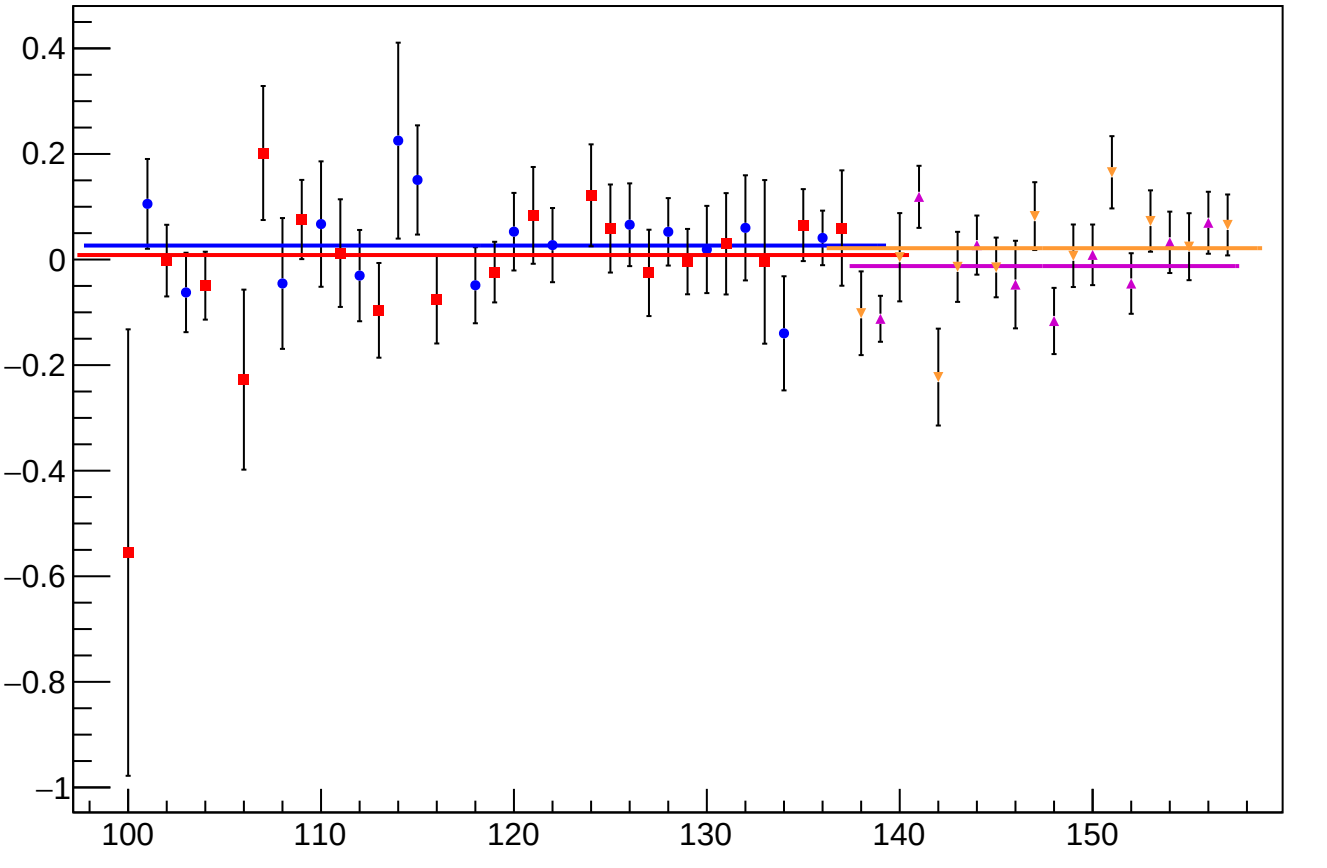
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.804+/-0.014 χ^2/NDF:334869.2/8

+ sign 54.699+/-0.010 χ^2/NDF: 646370.5/26

All: 52.840+/-0.007 χ^2/NDF: 1728847.8/54

- sign 51.125+/-0.010 χ^2/NDF: 1016732.2/27



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

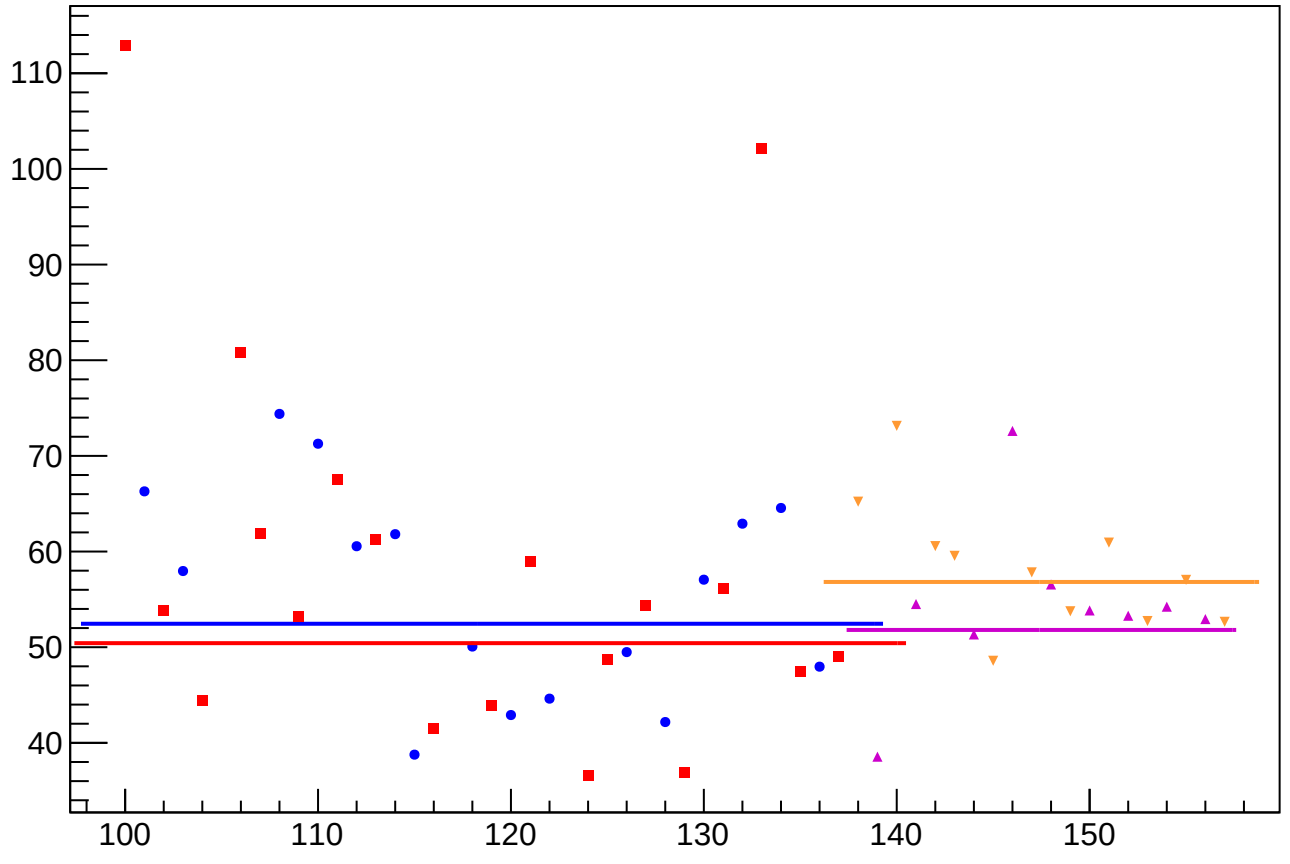
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.019 χ^2/NDF:16.7/8

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.010+/-0.010 χ^2/NDF: 59.9/54

- sign -0.002+/-0.014 χ^2/NDF: 31.2/27



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 56.821+/-0.014 χ^2/NDF:181133.5/10

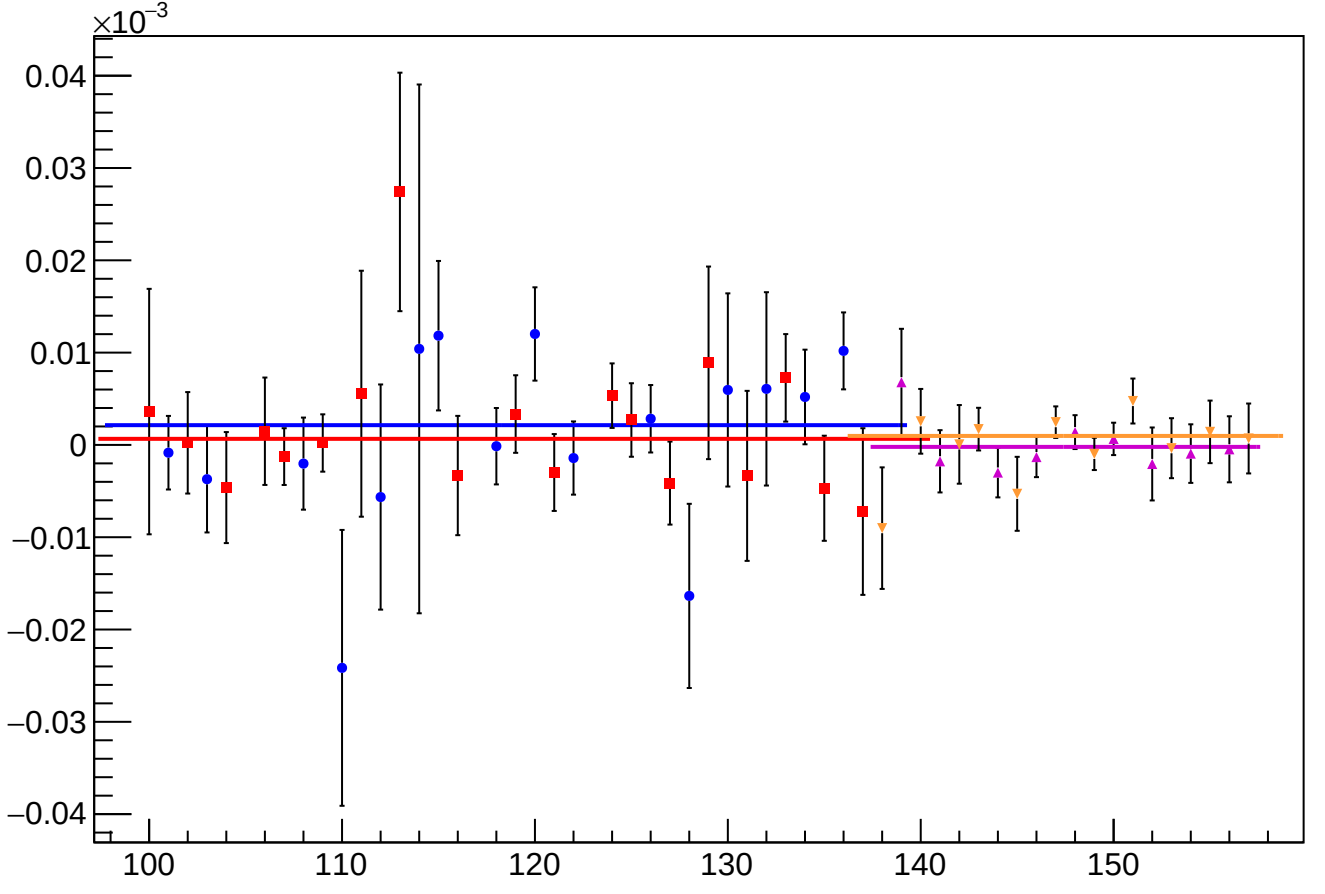
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.804+/-0.014 χ^2/NDF:334869.2/8

+ sign 54.699+/-0.010 χ^2/NDF: 646370.5/26

All: 52.840+/-0.007 χ^2/NDF: 1728847.8/54

- sign 51.125+/-0.010 χ^2/NDF: 1016732.2/27



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/10

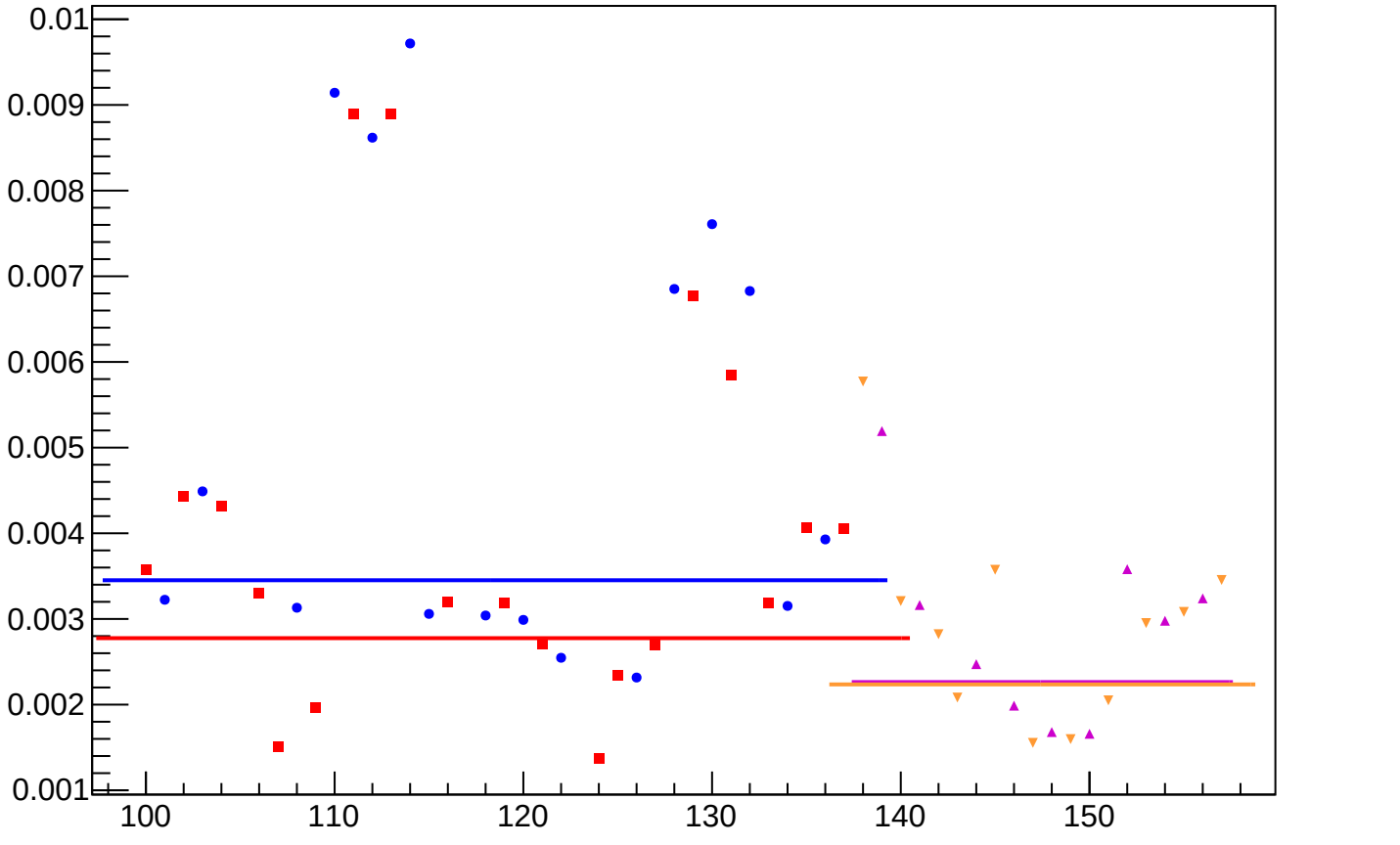
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/26

All: 0.000+/-0.000 χ^2/NDF: 51.2/54

- sign 0.000+/-0.000 χ^2/NDF: 19.5/27



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2026855.1/10

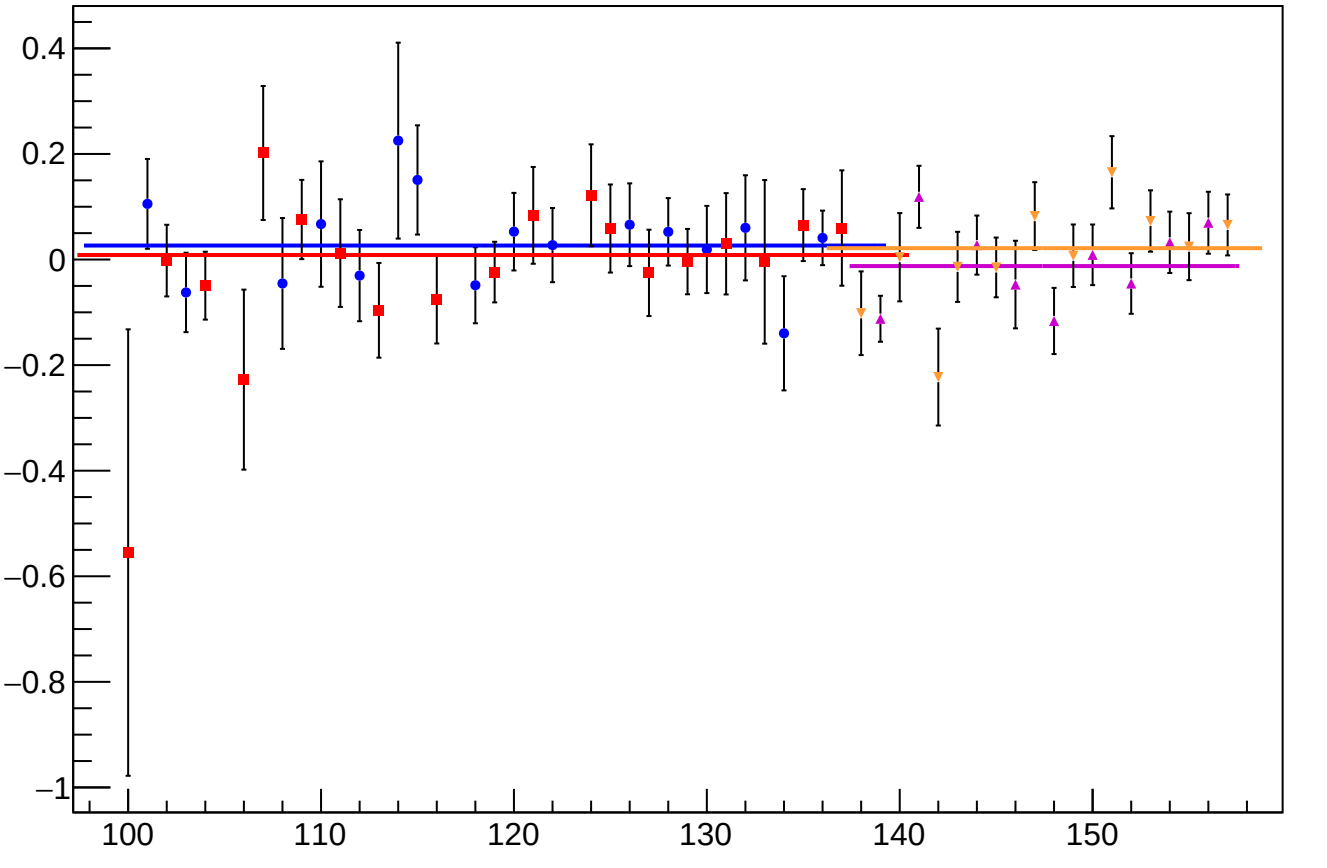
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1611316.2/8

+ sign 0.003+/-0.000 χ^2/NDF: 5120457.3/26

All: 0.002+/-0.000 χ^2/NDF: 9741427.6/54

- sign 0.002+/-0.000 χ^2/NDF: 4600324.8/27



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

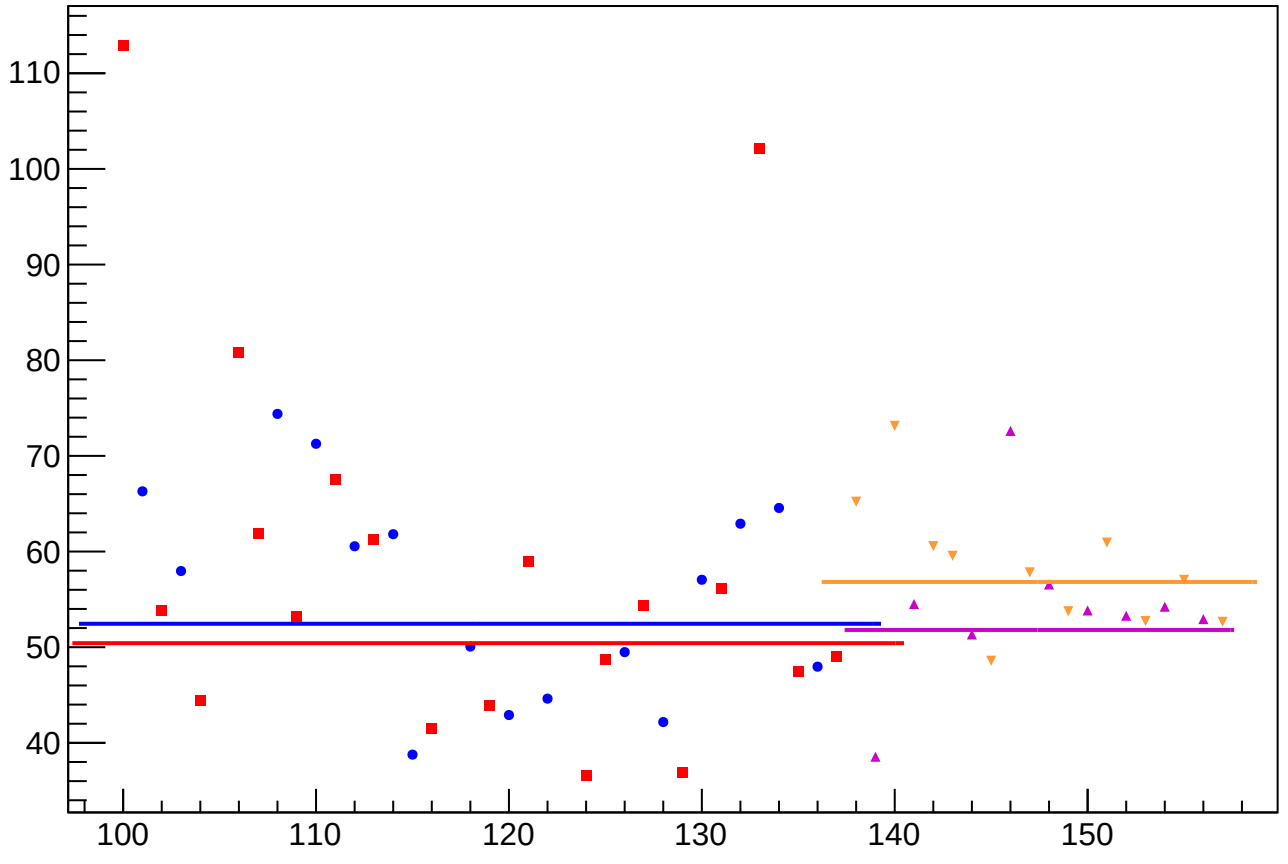
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.019 χ^2/NDF:16.7/8

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.010+/-0.010 χ^2/NDF: 59.9/54

- sign -0.002+/-0.014 χ^2/NDF: 31.2/27



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 56.822+/-0.014 χ^2/NDF:181102.9/10

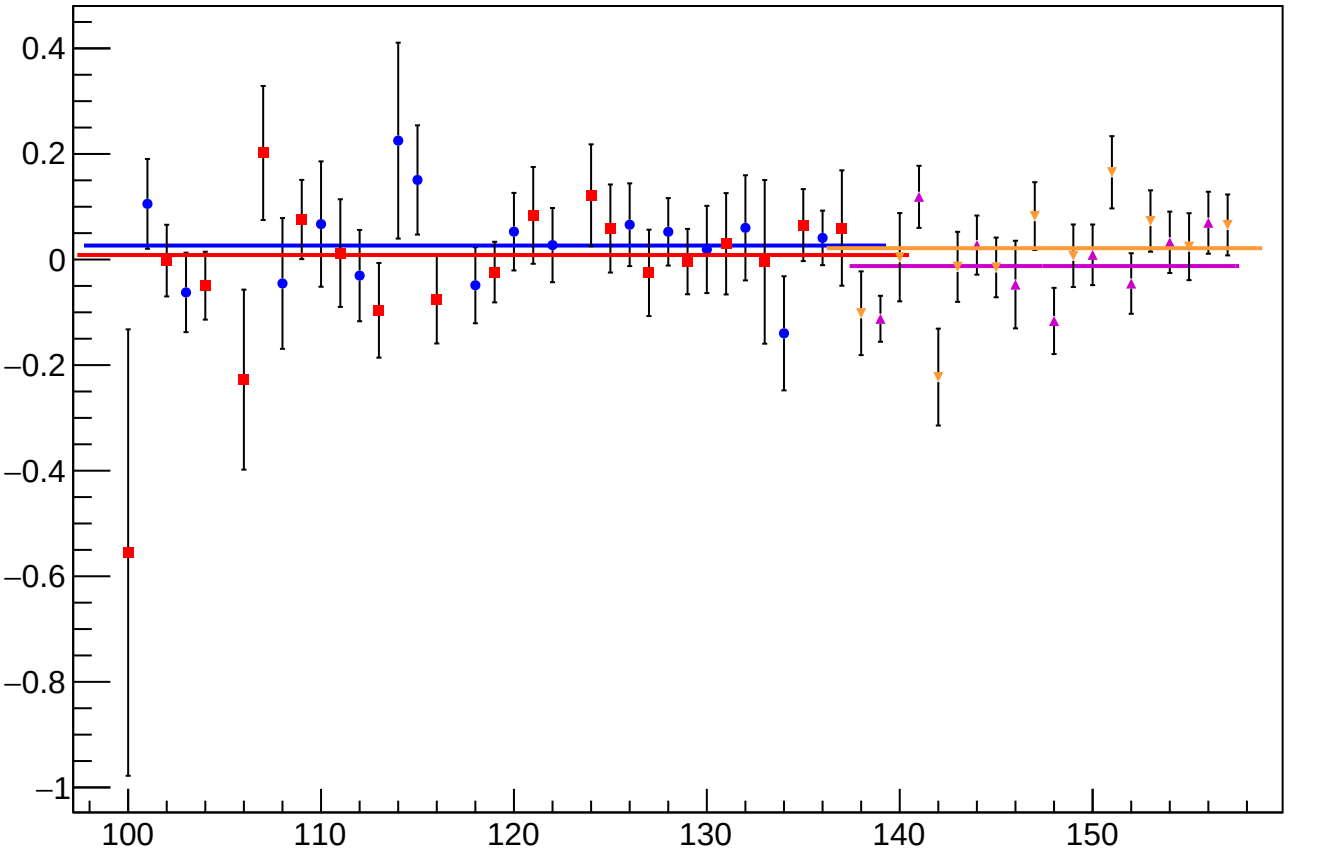
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.805+/-0.014 χ^2/NDF:334919.7/8

+ sign 54.699+/-0.010 χ^2/NDF: 646335.1/26

All: 52.840+/-0.007 χ^2/NDF: 1728887.3/54

- sign 51.125+/-0.010 χ^2/NDF: 1016799.6/27



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.021+/-0.020 χ^2/NDF:17.0/10

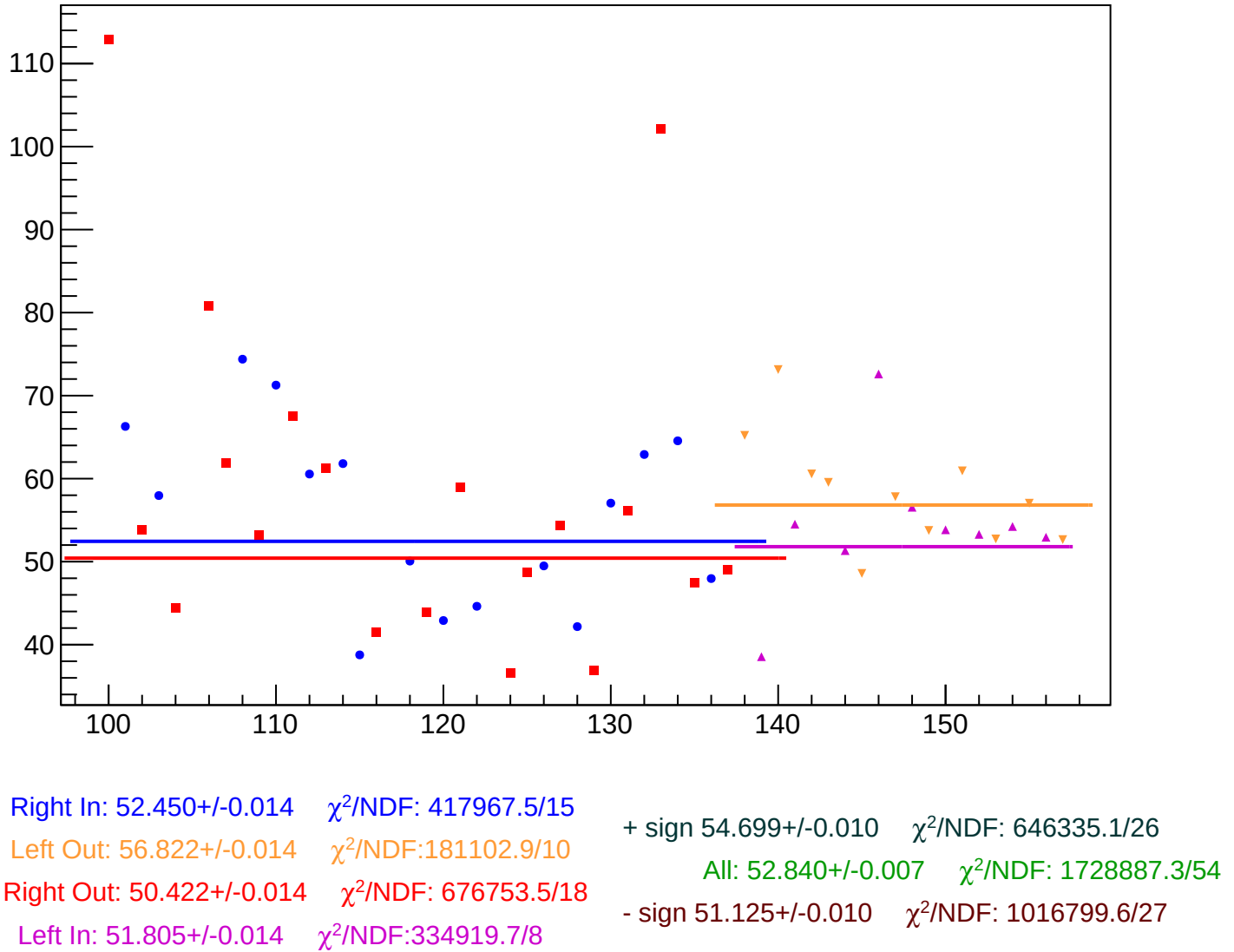
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

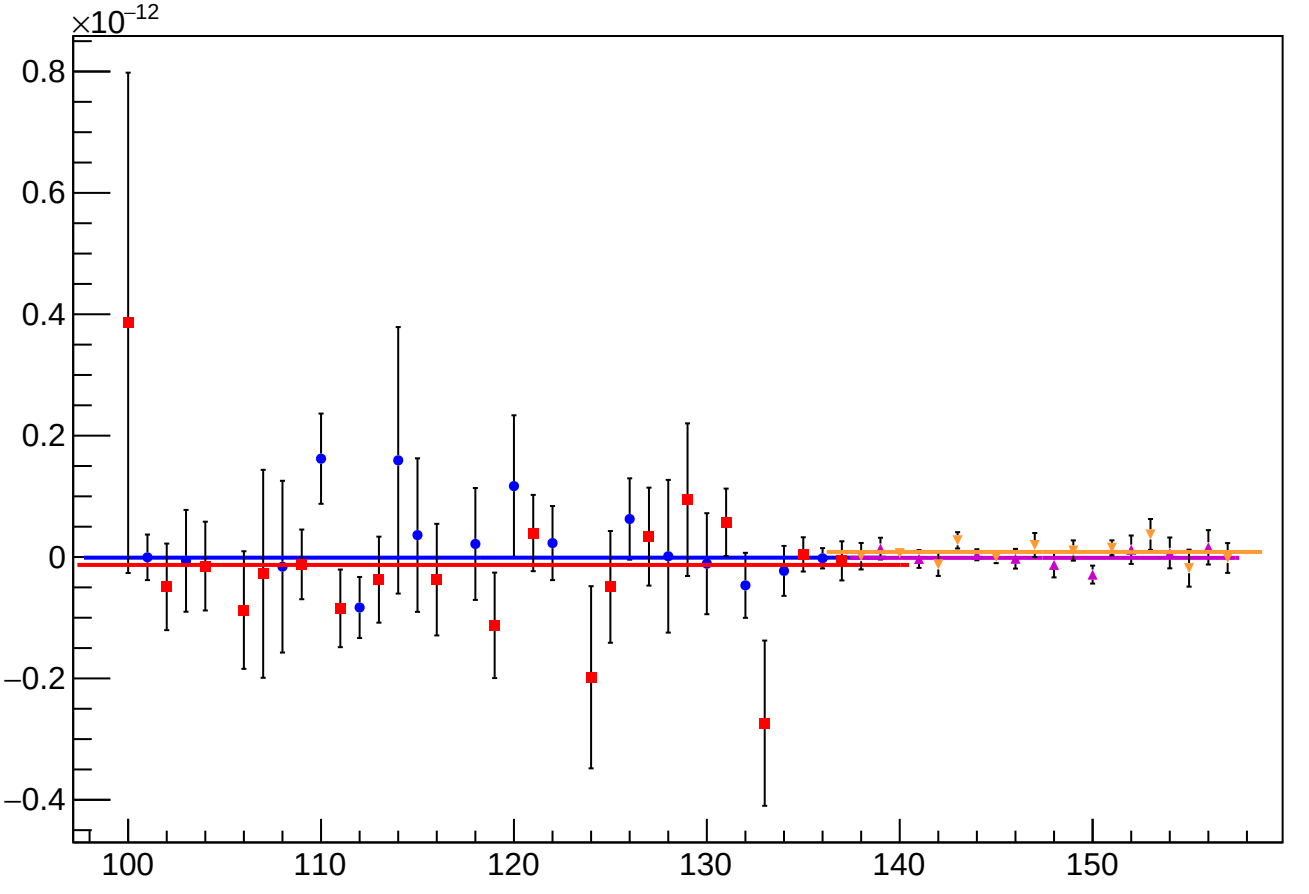
Left In: -0.012+/-0.019 χ^2/NDF:16.7/8

+ sign 0.024+/-0.014 χ^2/NDF: 26.9/26

All: 0.010+/-0.010 χ^2/NDF: 59.9/54

- sign -0.002+/-0.014 χ^2/NDF: 31.2/27


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
110
100
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 56.822+/-0.014 χ²/NDF:181102.9/10
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 51.805+/-0.014 χ²/NDF:334919.7/8
+ sign 54.699+/-0.010 χ²/NDF: 646335.1/26
All: 52.840+/-0.007 χ²/NDF: 1728887.3/54
- sign 51.125+/-0.010 χ²/NDF: 1016799.6/27



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/10

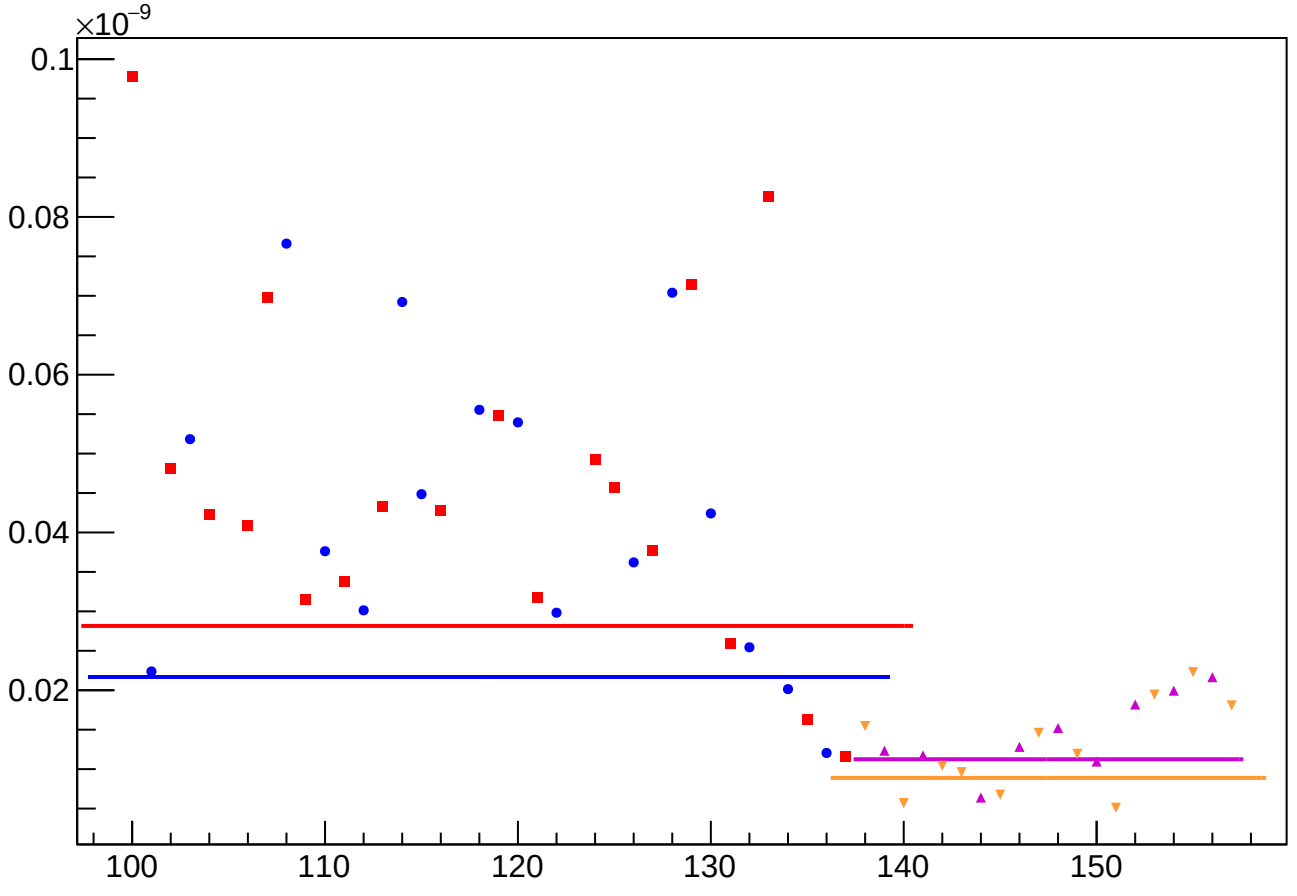
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 18.8/26

All: 0.000+/-0.000 χ^2/NDF: 41.1/54

- sign -0.000+/-0.000 χ^2/NDF: 19.9/27



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2025410.3/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

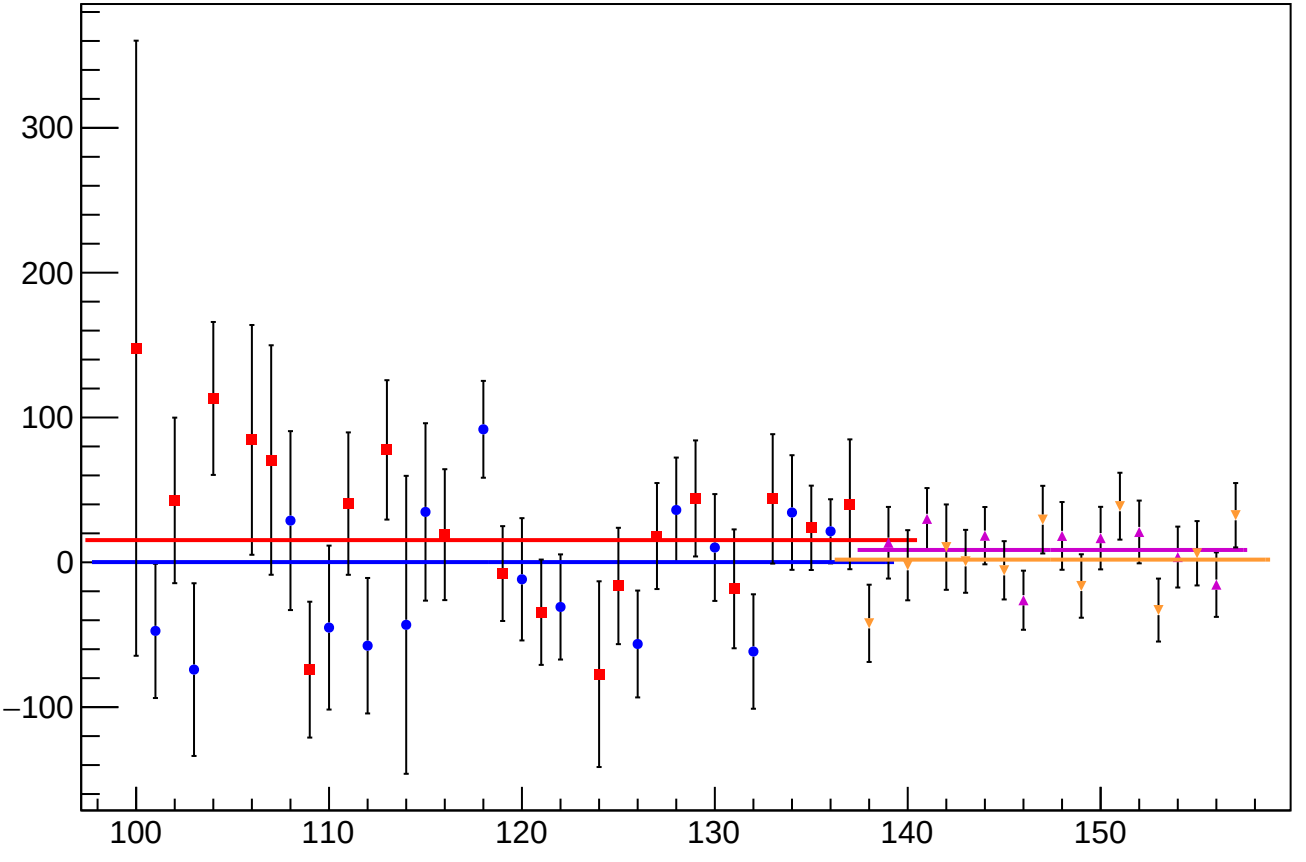
Left In: 0.000+/-0.000 χ^2/NDF:1354801.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 6560545.2/26

All: 0.000+/-0.000 χ^2/NDF: 13084887.8/54

- sign 0.000+/-0.000 χ^2/NDF: 6131313.3/27

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.856+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

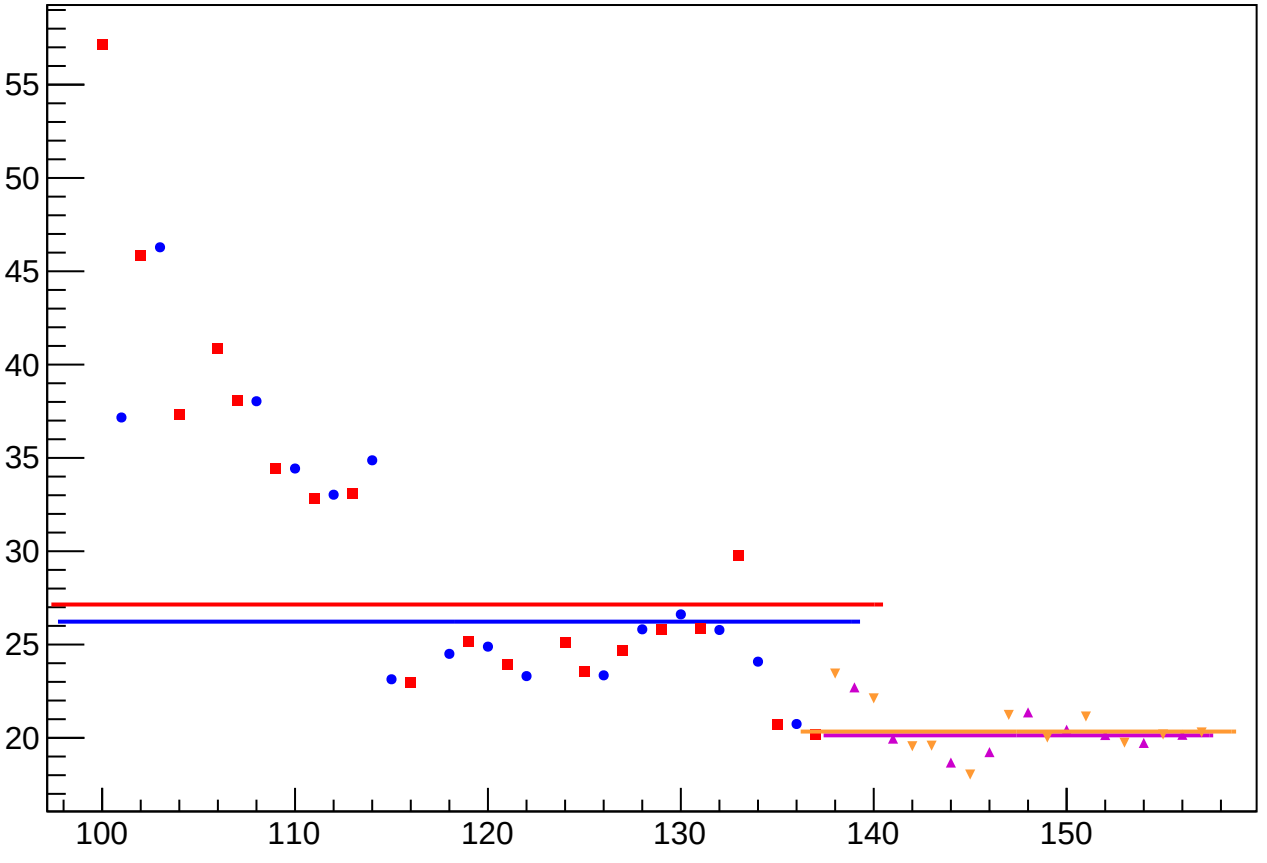
Left In: 8.531+/-7.220 χ^2/NDF:6.1/8

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.881+/-4.104 χ^2/NDF: 59.1/54

- sign 10.782+/-5.906 χ^2/NDF: 24.3/27

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

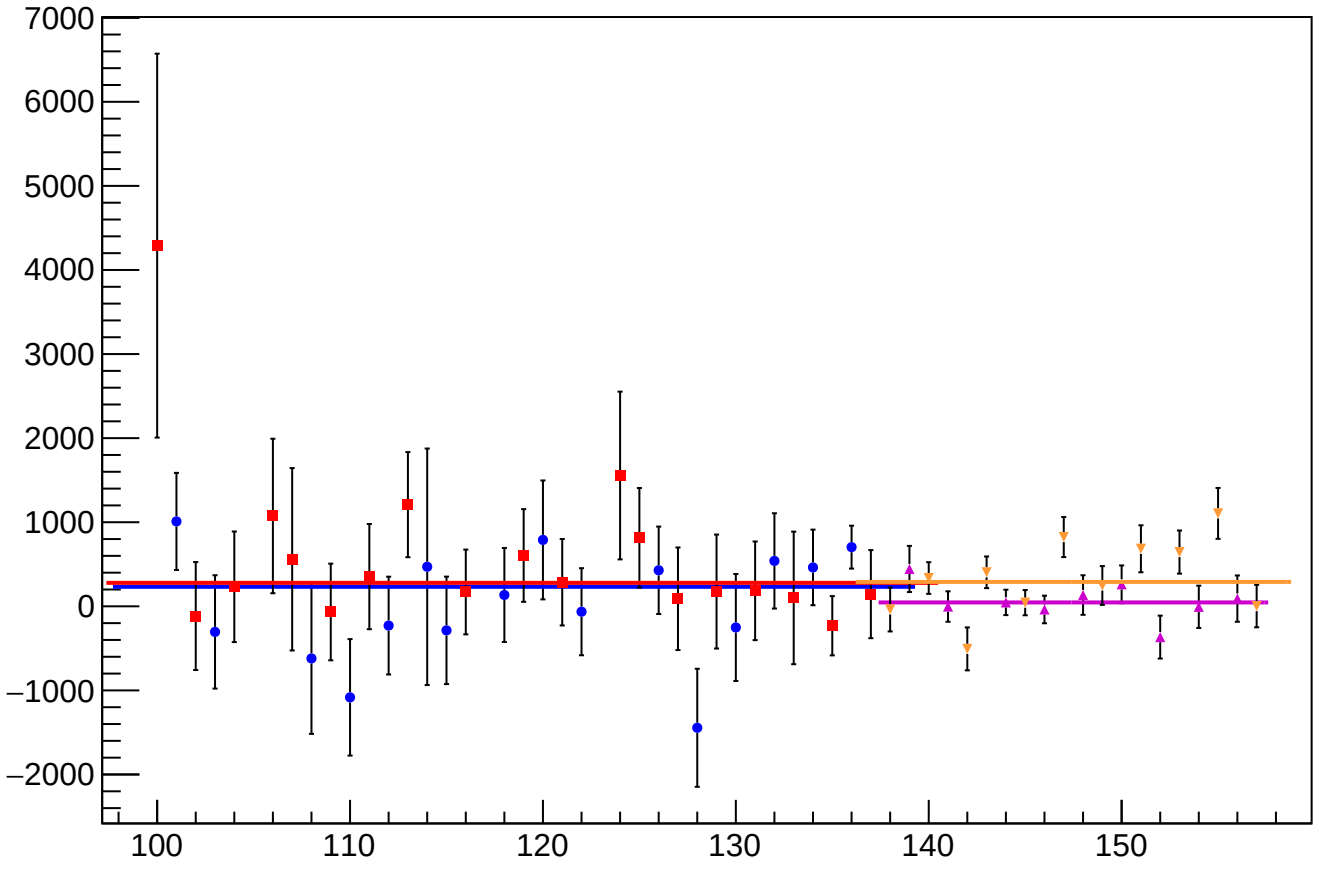
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.136+/-0.005 χ^2/NDF:43136.5/8

+ sign 22.237+/-0.004 χ^2/NDF: 1216772.1/26

All: 22.343+/-0.003 χ^2/NDF: 2640514.7/54

- sign 22.455+/-0.004 χ^2/NDF: 1422335.9/27



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.132+/-67.145 χ^2/NDF:31.9/10

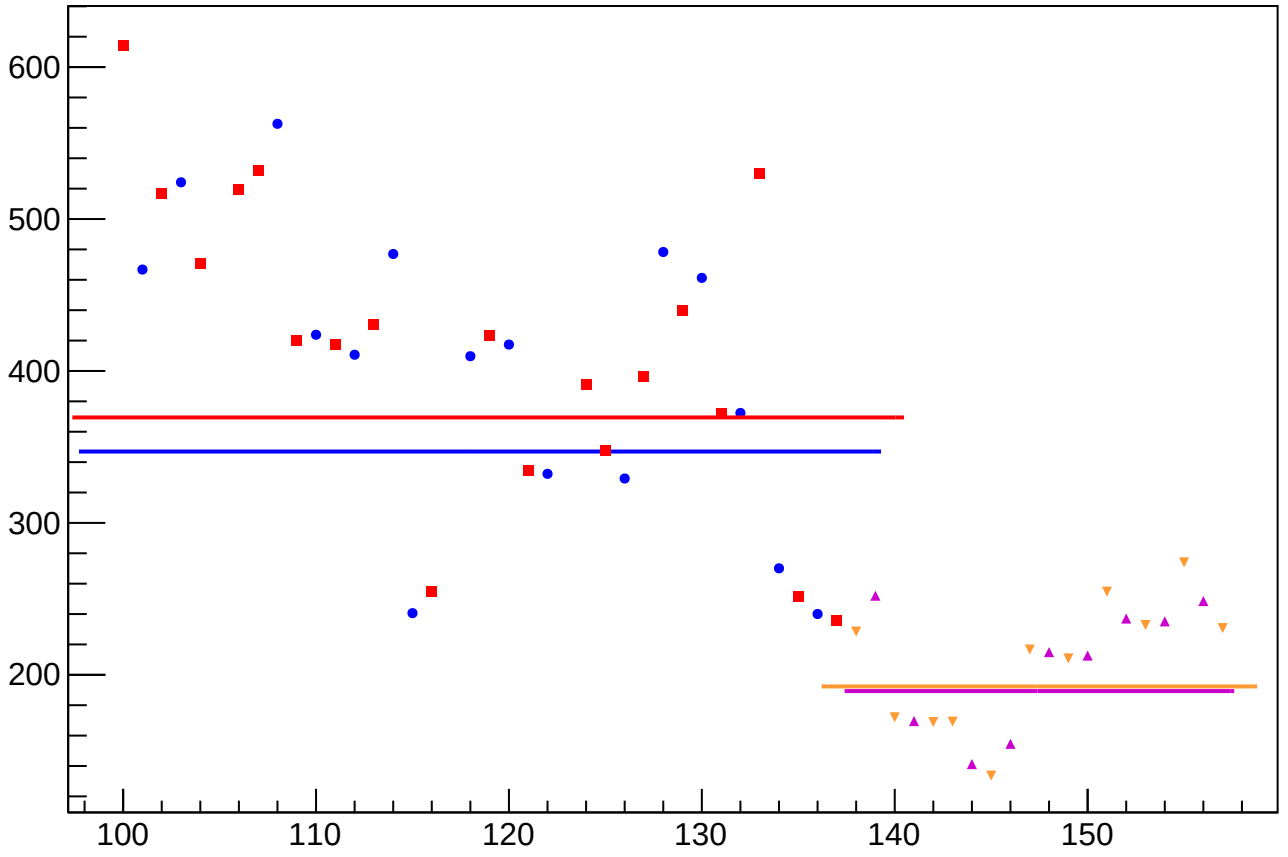
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 46.105+/-69.499 χ^2/NDF:6.2/8

+ sign 278.604+/-60.108 χ^2/NDF: 51.7/26

All: 188.650+/-43.240 χ^2/NDF: 76.8/54

- sign 92.178+/-62.248 χ^2/NDF: 20.5/27



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789996.1/10

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

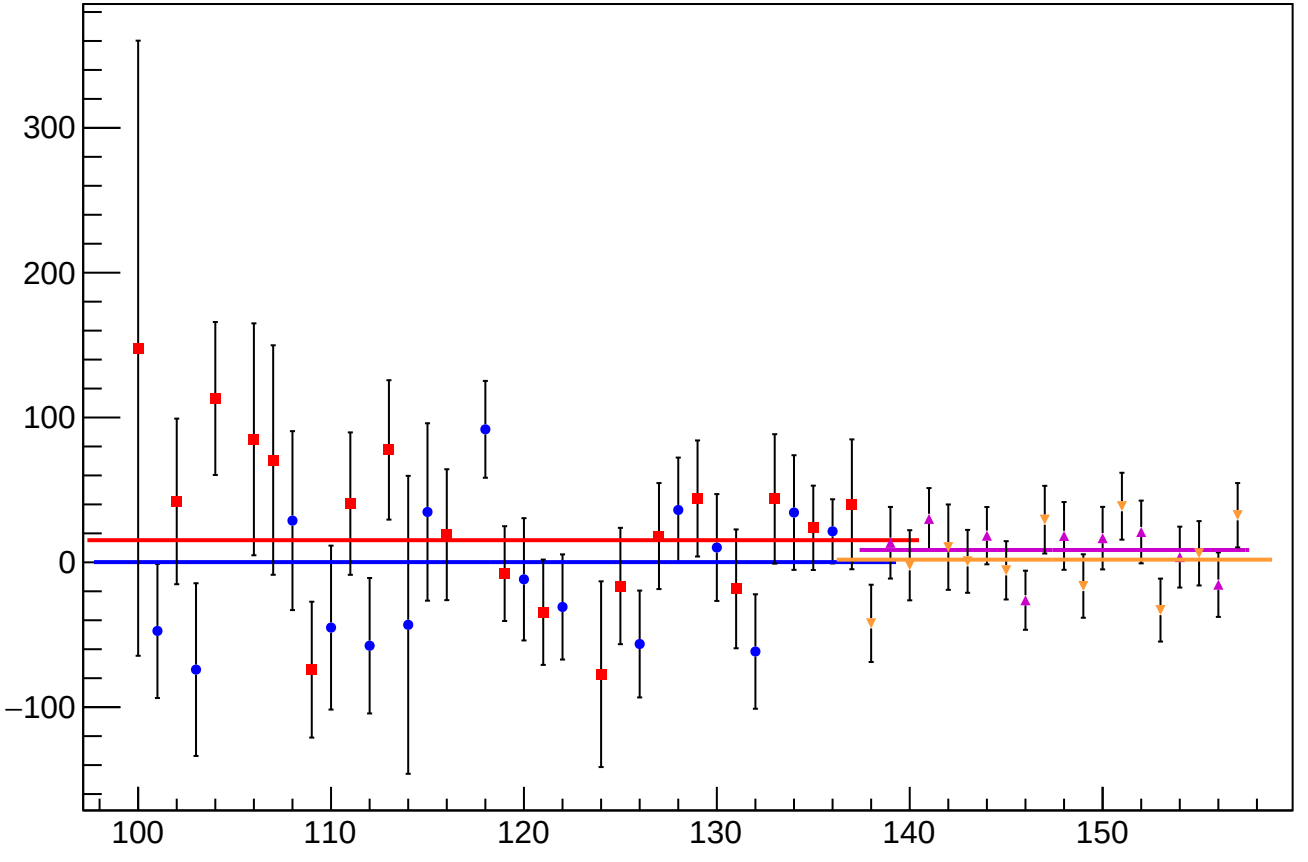
Left In: 189.309+/-0.049 χ^2/NDF:695338.5/8

+ sign 223.068+/-0.043 χ^2/NDF: 3954263.7/26

All: 223.967+/-0.031 χ^2/NDF: 8225896.8/54

- sign 224.931+/-0.044 χ^2/NDF: 4270705.7/27

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

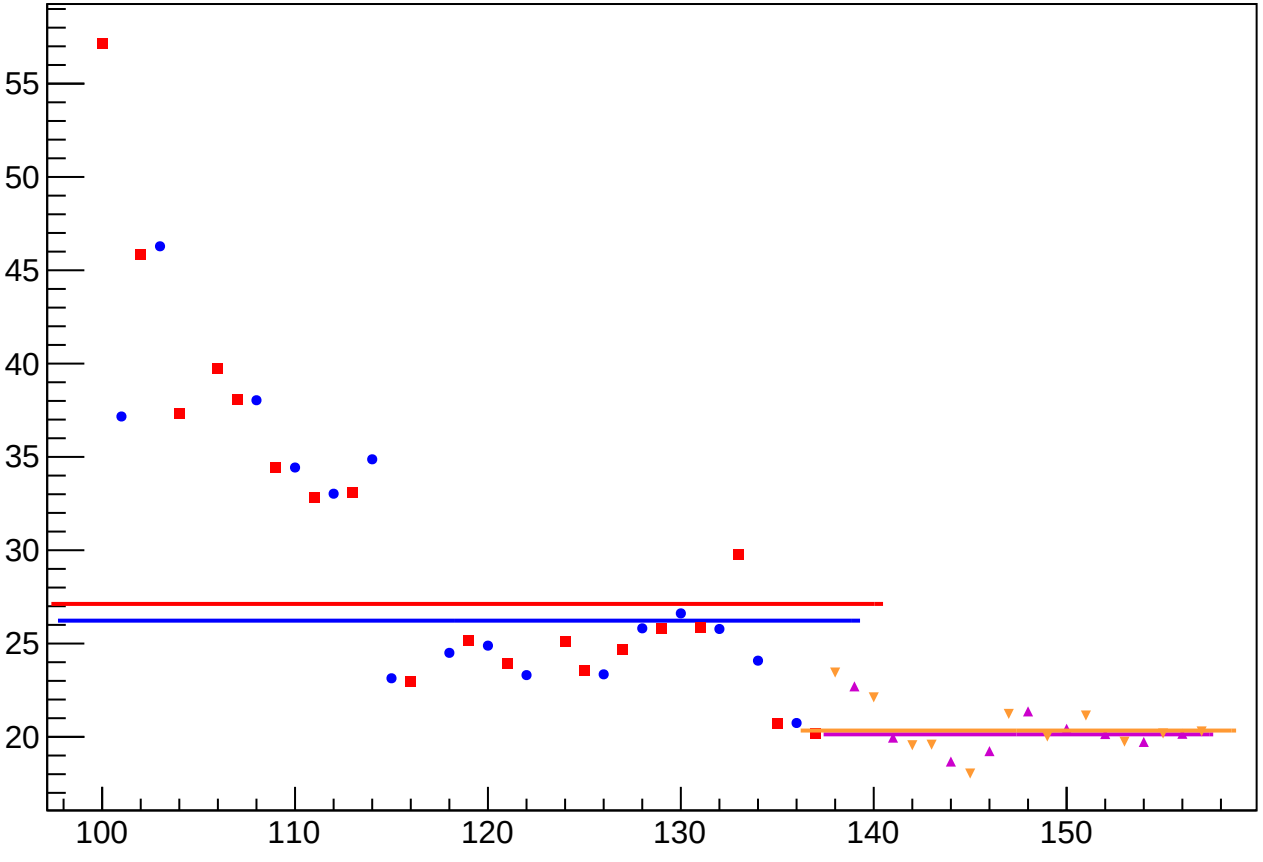
Left In: 8.531+/-7.220 χ^2/NDF:6.1/8

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.874+/-4.104 χ^2/NDF: 59.1/54

- sign 10.768+/-5.906 χ^2/NDF: 24.3/27

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

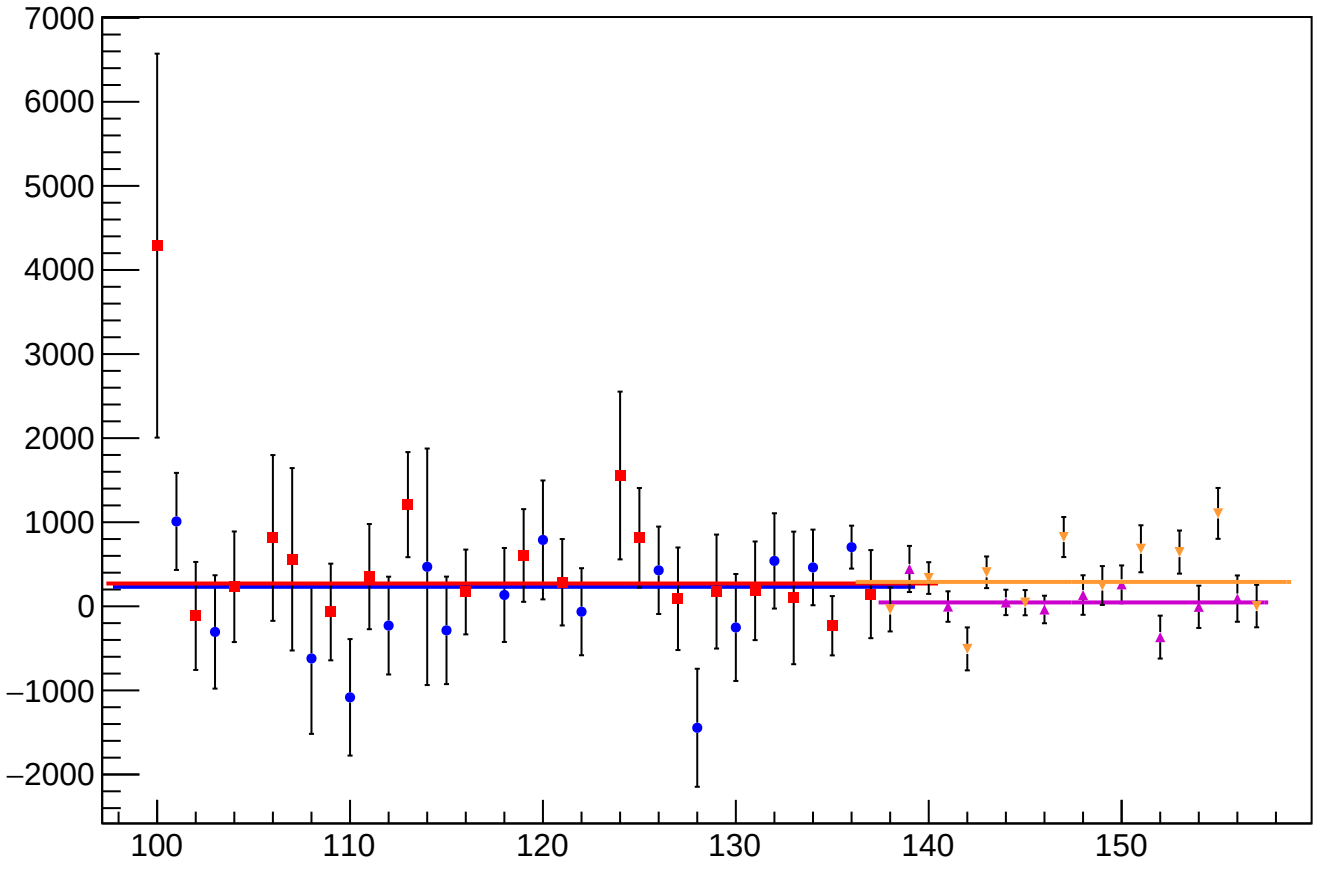
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.136+/-0.005 χ^2/NDF:43136.5/8

+ sign 22.237+/-0.004 χ^2/NDF: 1216775.5/26

All: 22.339+/-0.003 χ^2/NDF: 2626643.3/54

- sign 22.447+/-0.004 χ^2/NDF: 1408559.8/27



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.130+/-67.145 χ^2/NDF:31.9/10

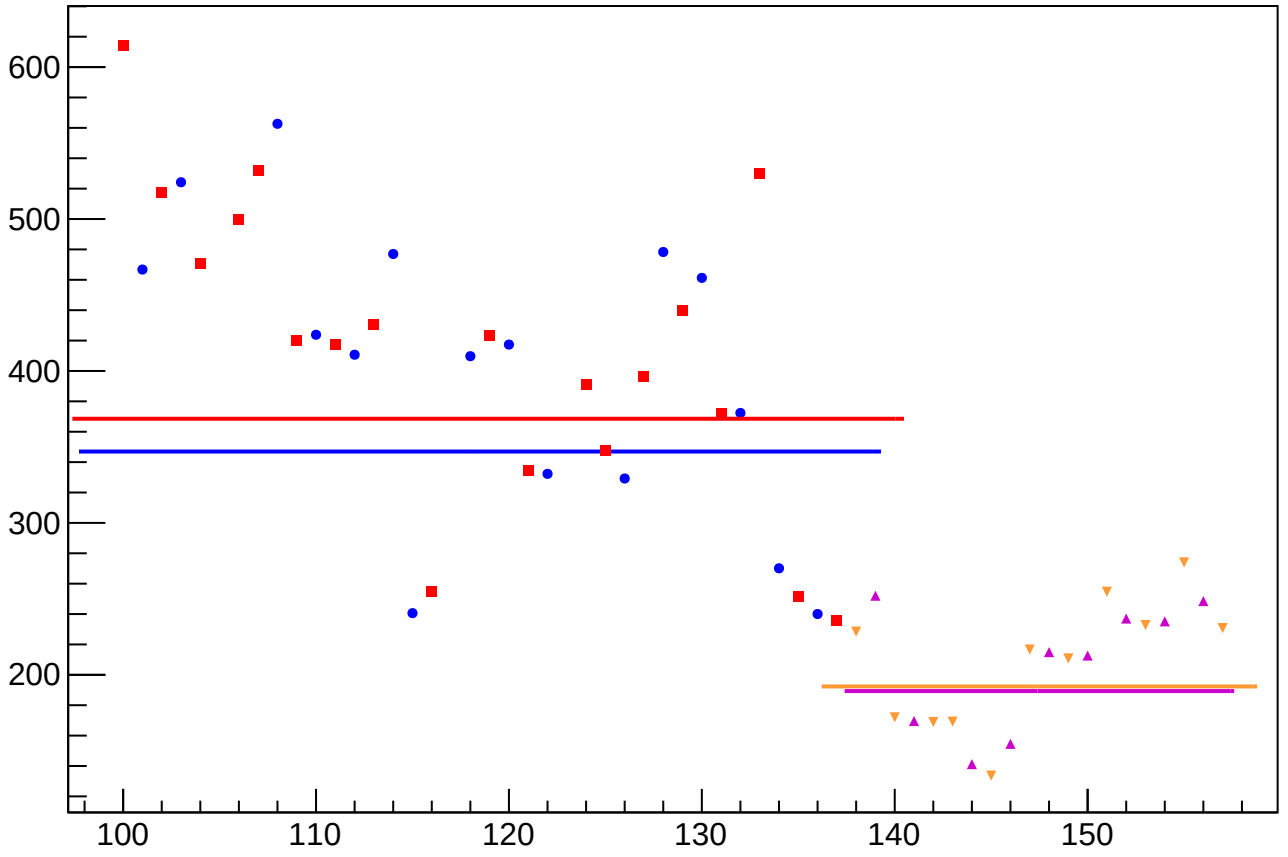
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 46.107+/-69.499 χ^2/NDF:6.2/8

+ sign 278.601+/-60.108 χ^2/NDF: 51.7/26

All: 187.896+/-43.246 χ^2/NDF: 76.3/54

- sign 90.559+/-62.267 χ^2/NDF: 19.9/27



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789999.4/10

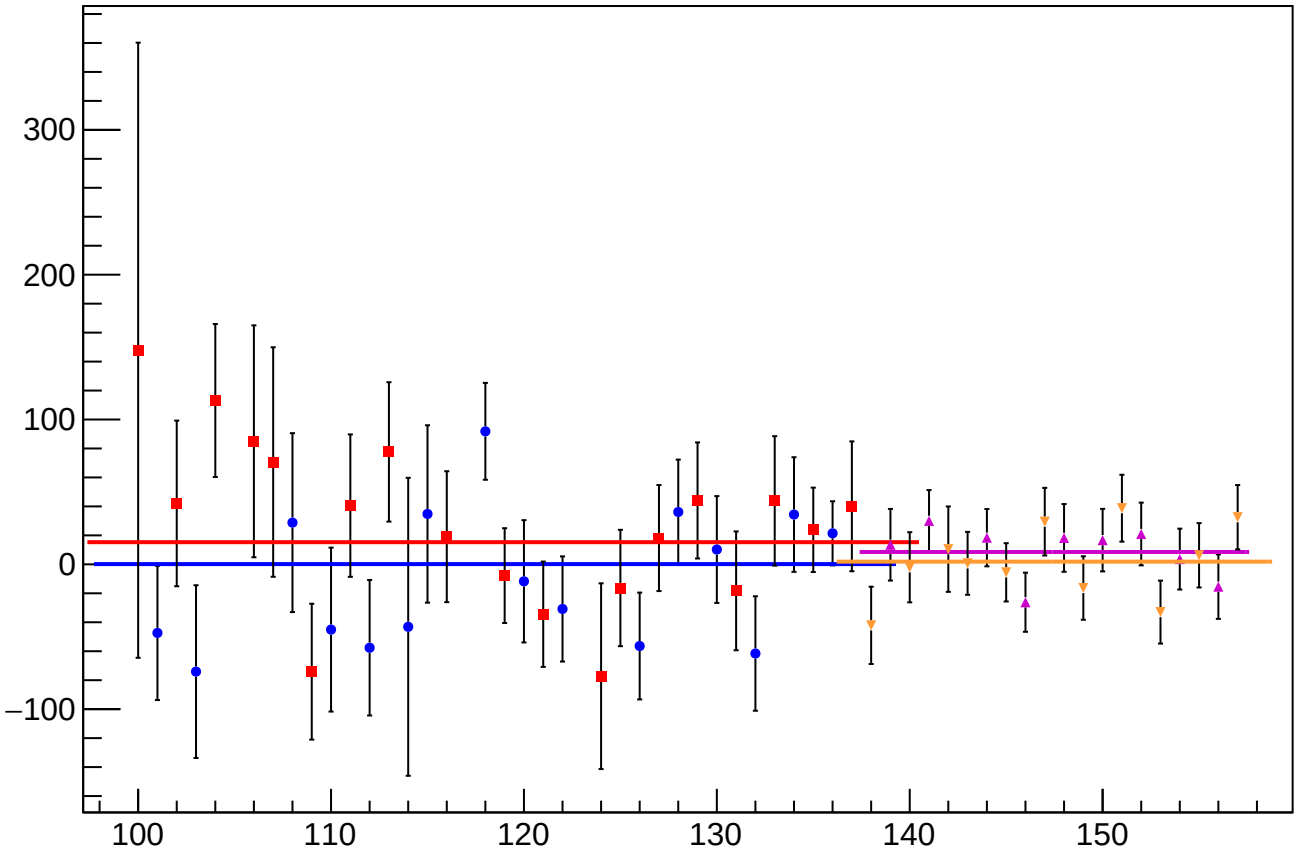
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 189.309+/-0.049 χ^2/NDF:695336.5/8

+ sign 223.068+/-0.043 χ^2/NDF: 3954297.8/26

All: 223.842+/-0.031 χ^2/NDF: 8174986.1/54

- sign 224.672+/-0.044 χ^2/NDF: 4220001.3/27



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 1.854+/-6.932 χ^2/NDF:12.1/10

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

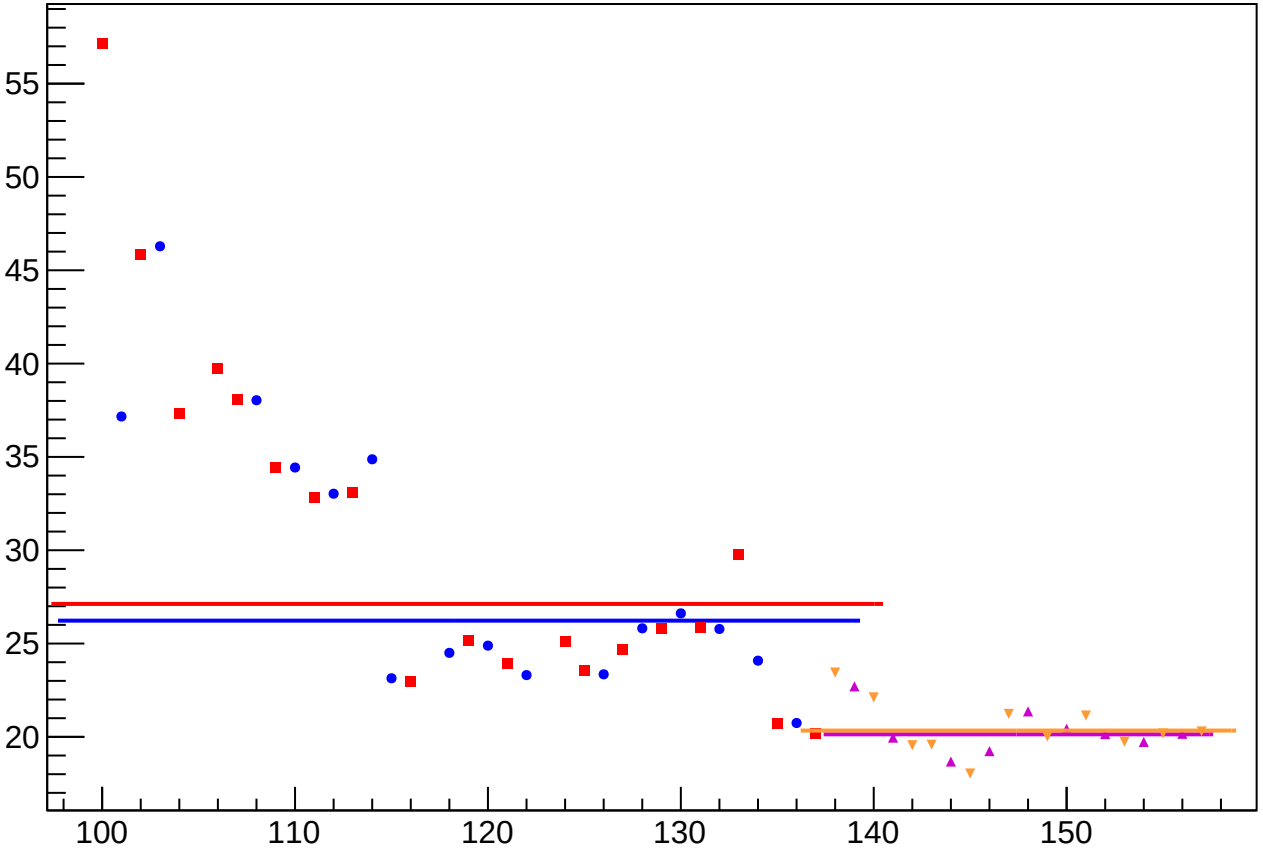
Left In: 8.531+/-7.220 χ^2/NDF:6.1/8

+ sign 1.307+/-5.706 χ^2/NDF: 33.5/26

All: 5.874+/-4.104 χ^2/NDF: 59.1/54

- sign 10.768+/-5.906 χ^2/NDF: 24.3/27

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.338+/-0.005 χ^2/NDF:75340.6/10

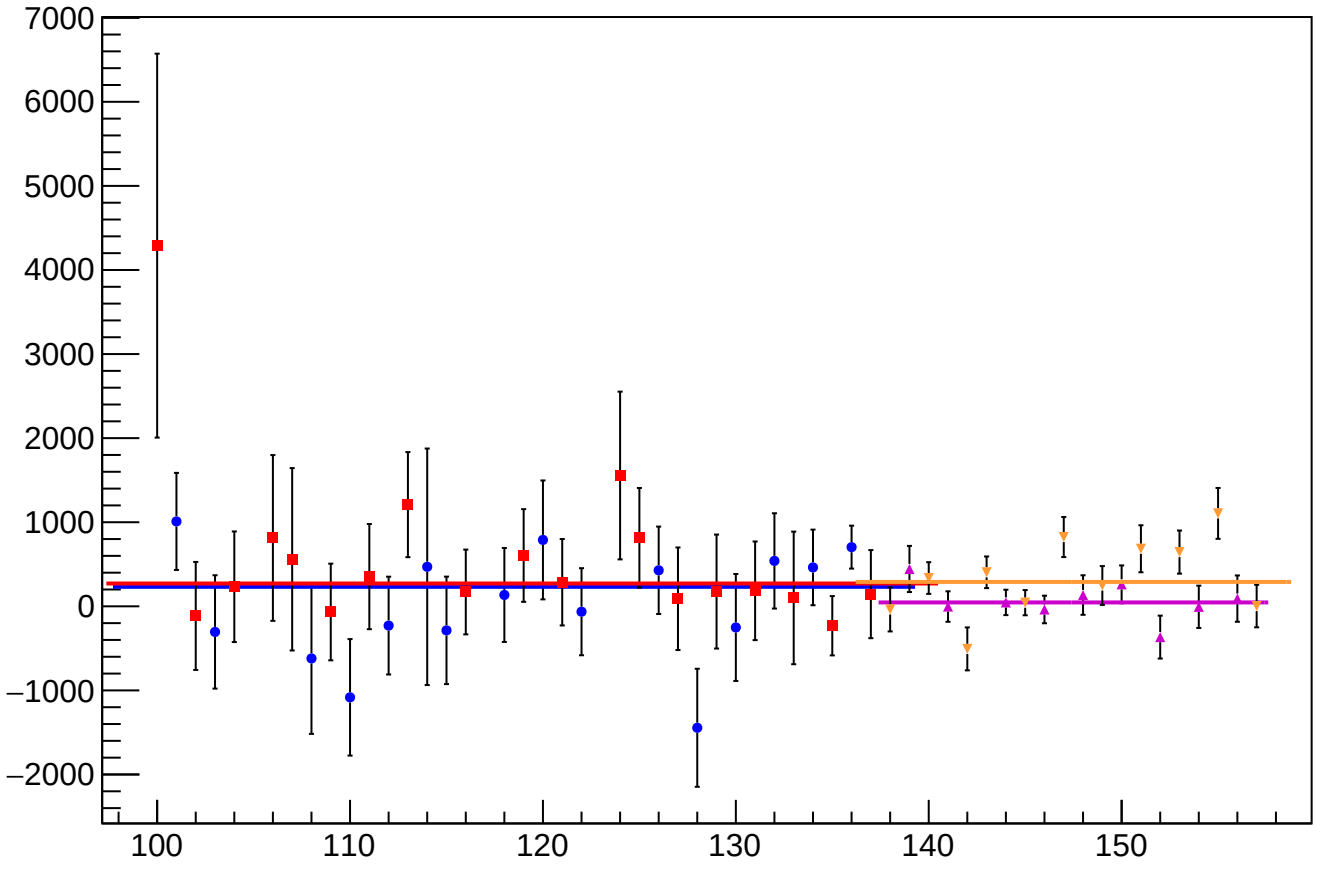
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.136+/-0.005 χ^2/NDF:43136.5/8

+ sign 22.237+/-0.004 χ^2/NDF: 1216775.5/26

All: 22.339+/-0.003 χ^2/NDF: 2626643.3/54

- sign 22.447+/-0.004 χ^2/NDF: 1408559.8/27



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 290.130+/-67.145 χ^2/NDF:31.9/10

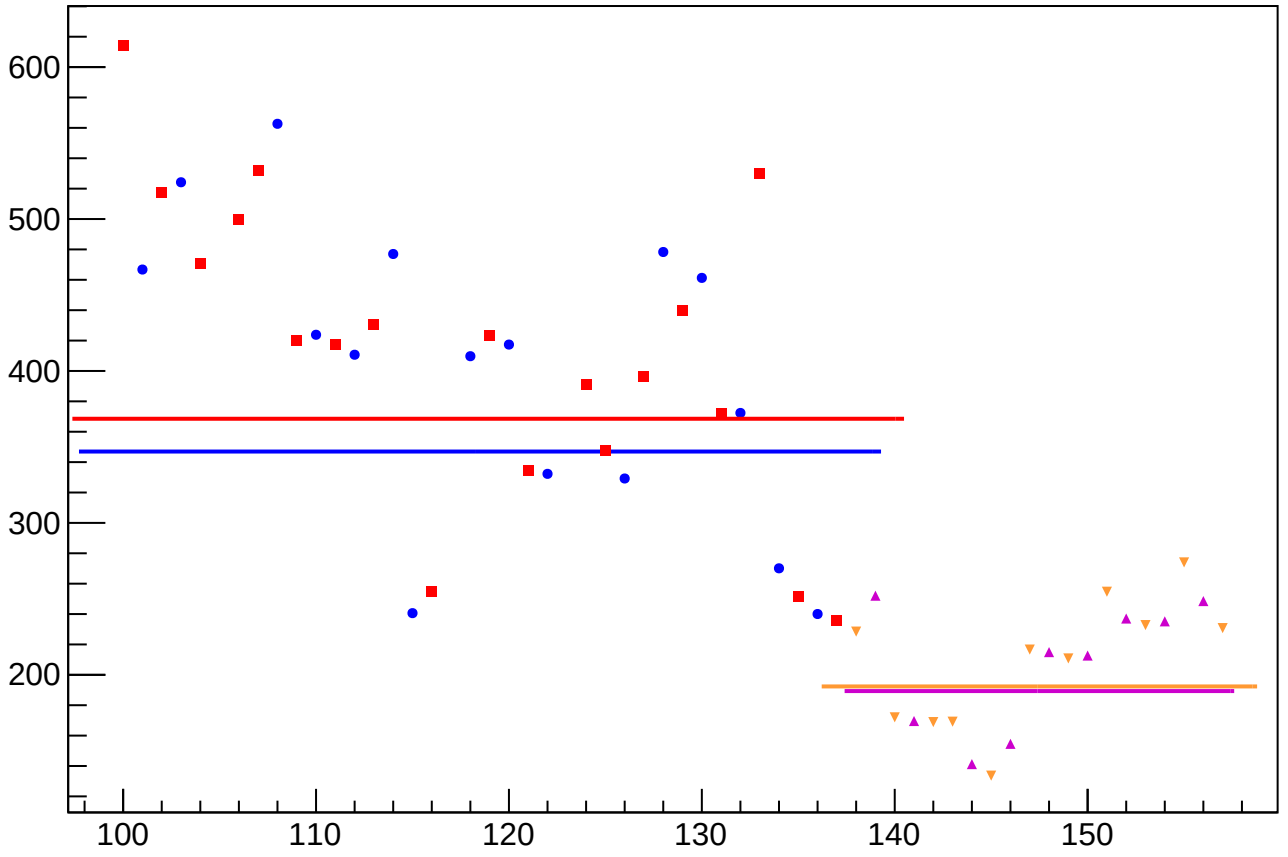
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 46.107+/-69.499 χ^2/NDF:6.2/8

+ sign 278.601+/-60.108 χ^2/NDF: 51.7/26

All: 187.896+/-43.246 χ^2/NDF: 76.3/54

- sign 90.559+/-62.267 χ^2/NDF: 19.9/27



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 192.359+/-0.047 χ^2/NDF:789999.4/10

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

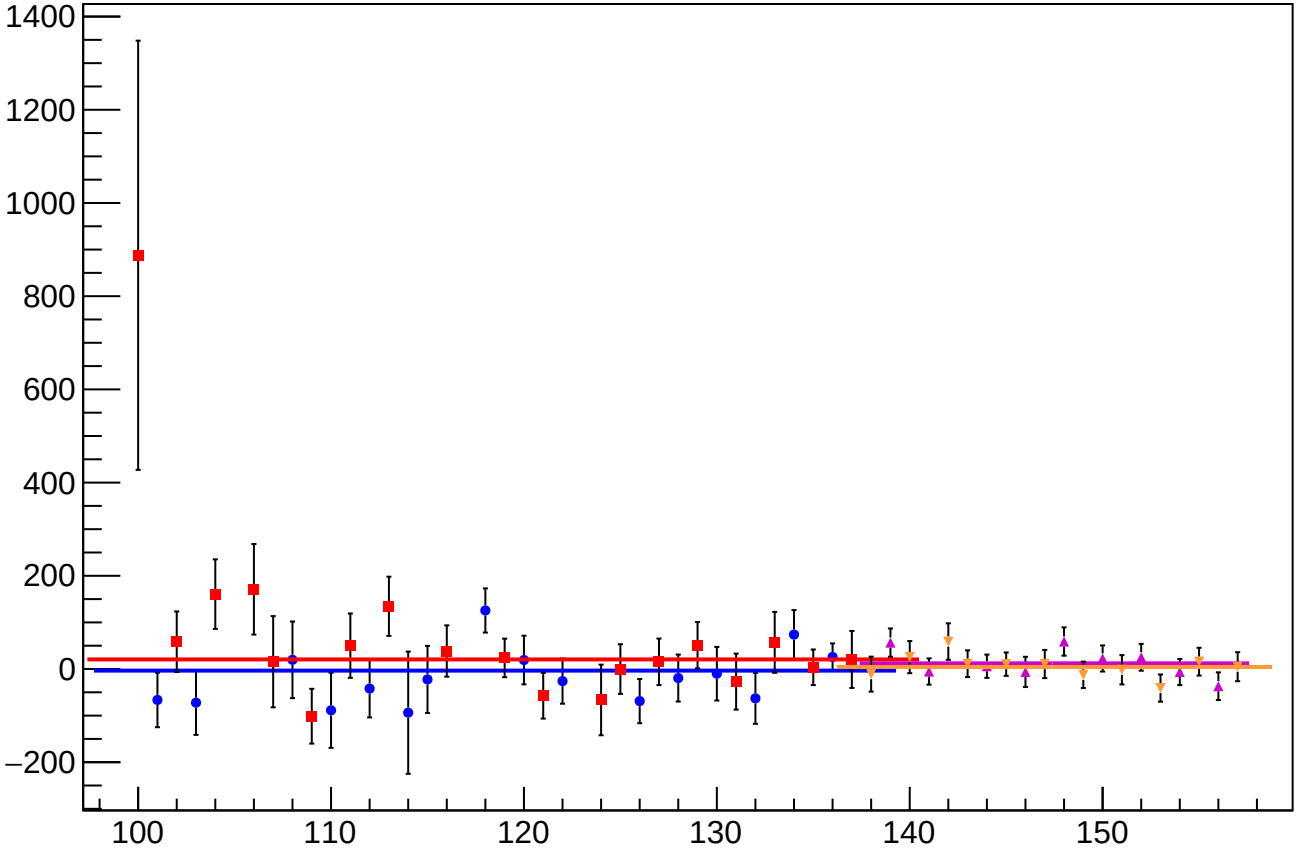
Left In: 189.309+/-0.049 χ^2/NDF:695336.5/8

+ sign 223.068+/-0.043 χ^2/NDF: 3954297.8/26

All: 223.842+/-0.031 χ^2/NDF: 8174986.1/54

- sign 224.672+/-0.044 χ^2/NDF: 4220001.3/27

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.252 χ^2/NDF:5.6/10

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

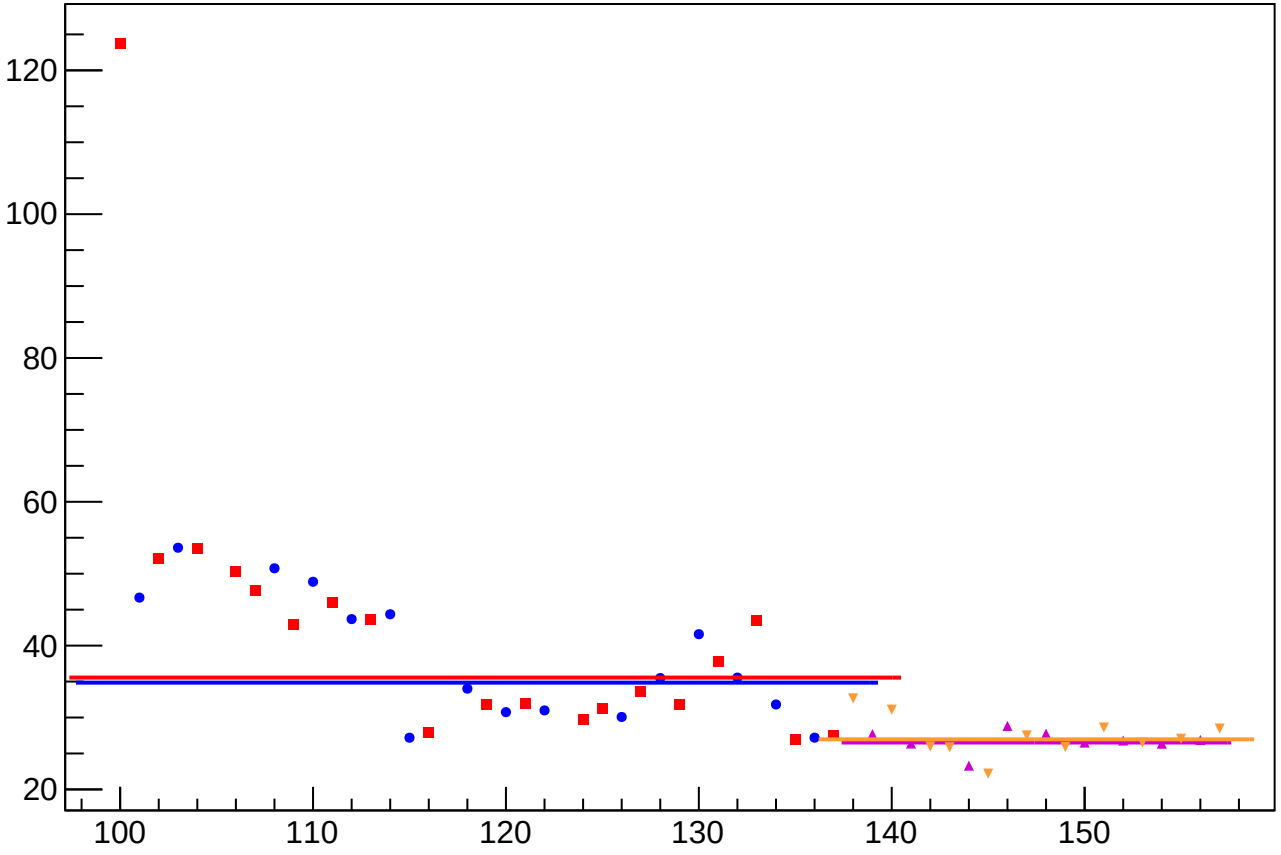
Left In: 12.126+/-9.594 χ^2/NDF:8.8/8

+ sign 1.886+/-7.612 χ^2/NDF: 24.3/26

All: 8.254+/-5.453 χ^2/NDF: 57.9/54

- sign 14.966+/-7.815 χ^2/NDF: 32.2/27

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165334.0/10

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

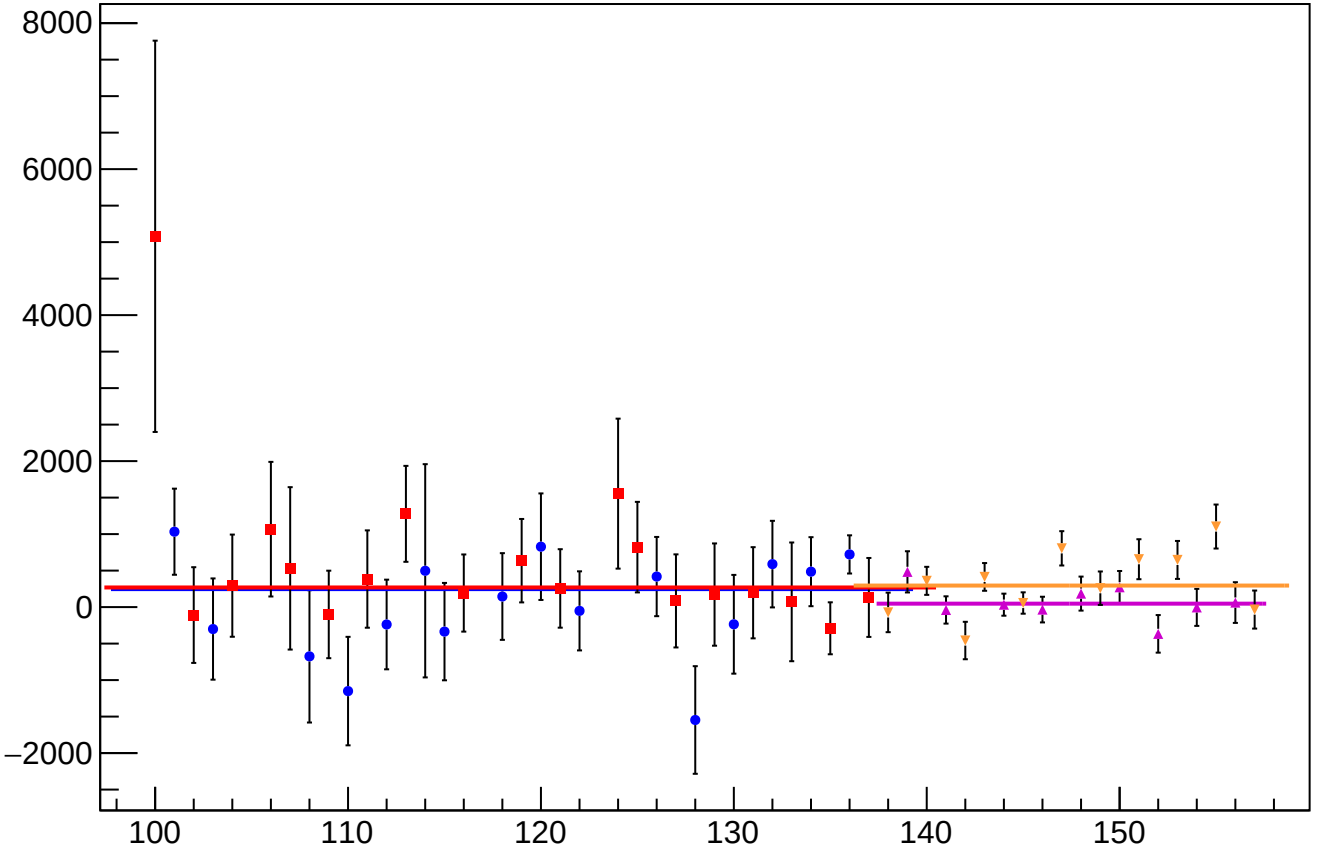
Left In: 26.525+/-0.007 χ^2/NDF:50198.5/8

+ sign 29.512+/-0.005 χ^2/NDF: 1292864.6/26

All: 29.536+/-0.004 χ^2/NDF: 2718794.5/54

- sign 29.562+/-0.006 χ^2/NDF: 1425889.0/27

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 295.071+/-67.213 χ^2/NDF:30.7/10

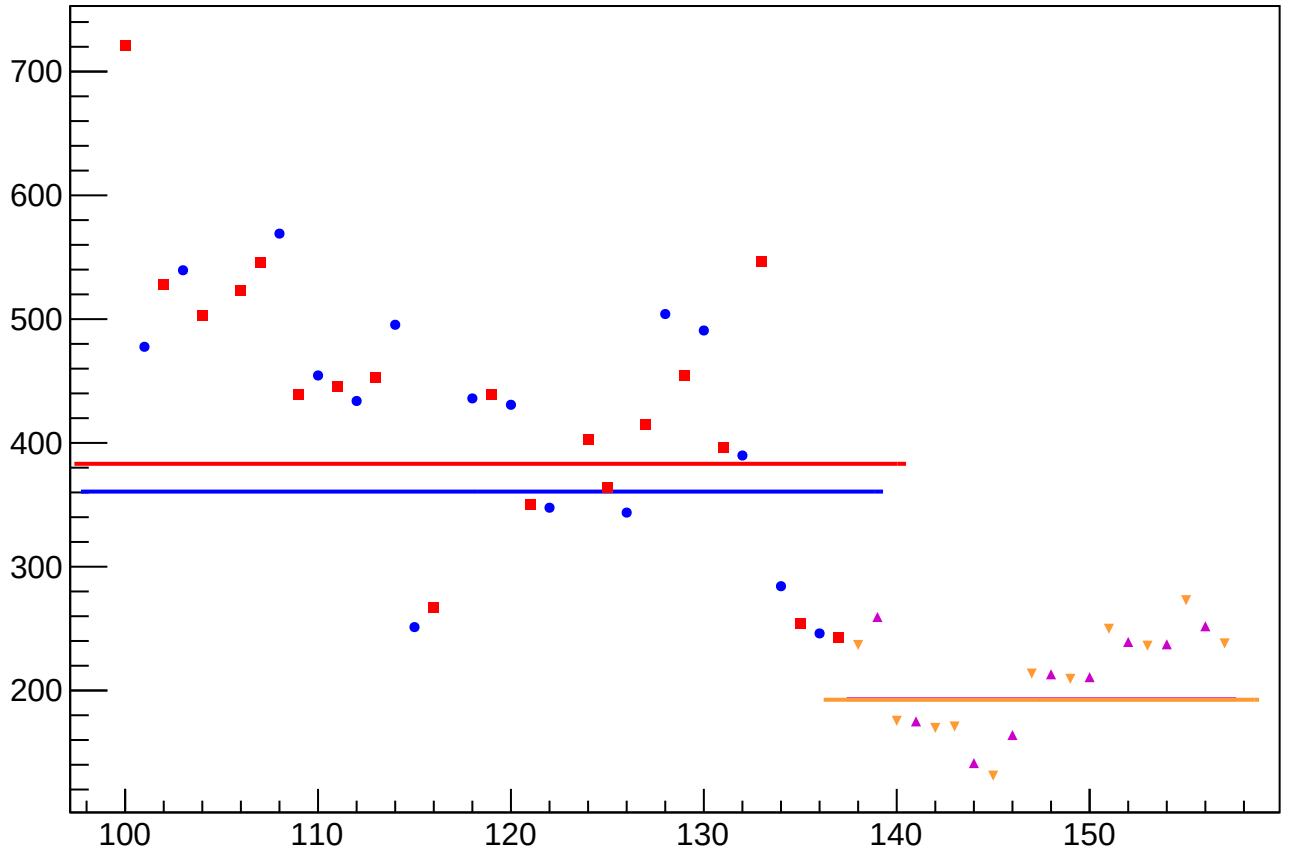
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 47.093+/-70.814 χ^2/NDF:6.8/8

+ sign 286.003+/-60.614 χ^2/NDF: 50.6/26

All: 192.639+/-43.897 χ^2/NDF: 76.9/54

- sign 89.670+/-63.656 χ^2/NDF: 21.3/27



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 192.534+/-0.048 χ^2/NDF:836434.4/10

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

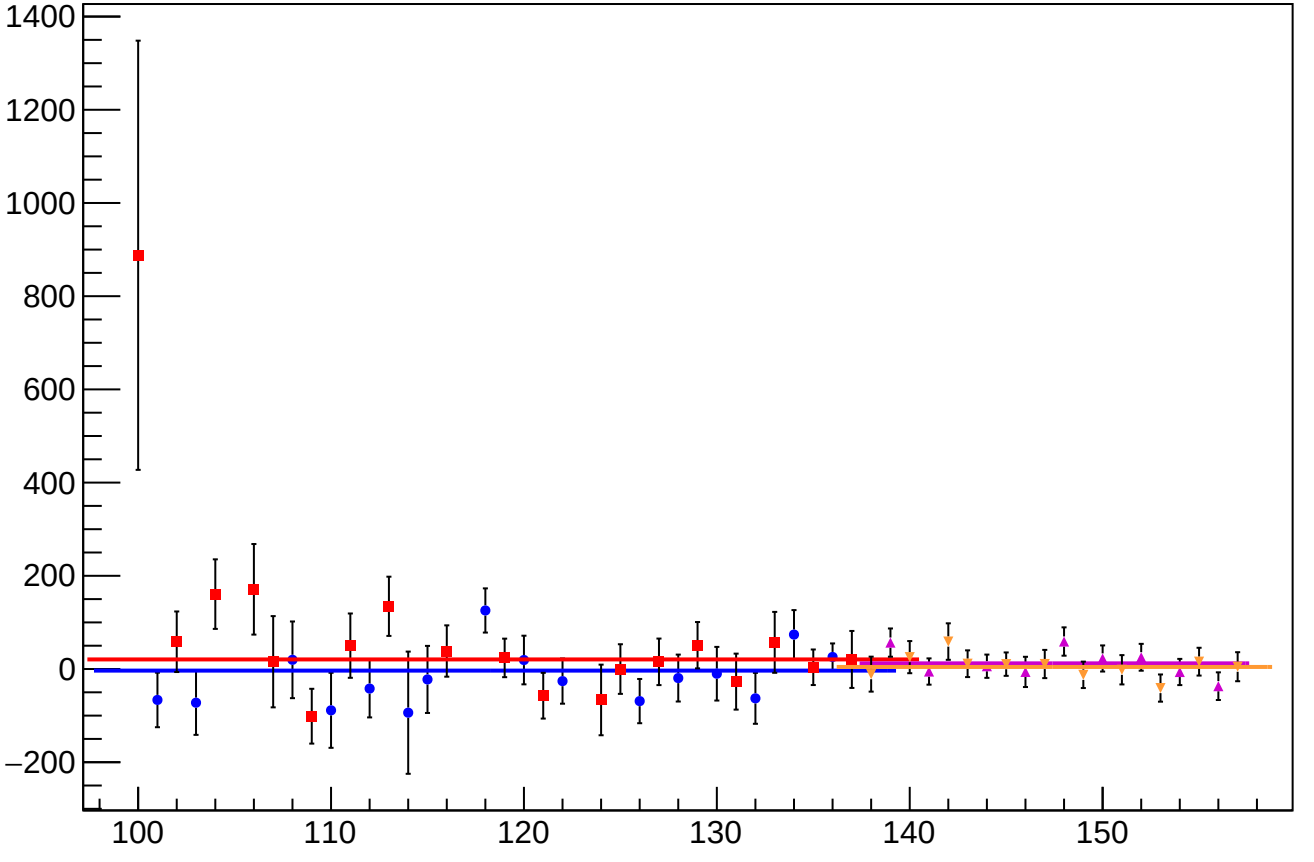
Left In: 192.967+/-0.050 χ^2/NDF:659584.7/8

+ sign 223.932+/-0.043 χ^2/NDF: 4266679.9/26

All: 226.565+/-0.031 χ^2/NDF: 8665714.7/54

- sign 229.468+/-0.045 χ^2/NDF: 4391102.2/27

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 4.421+/-9.253 χ^2/NDF:5.6/10

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

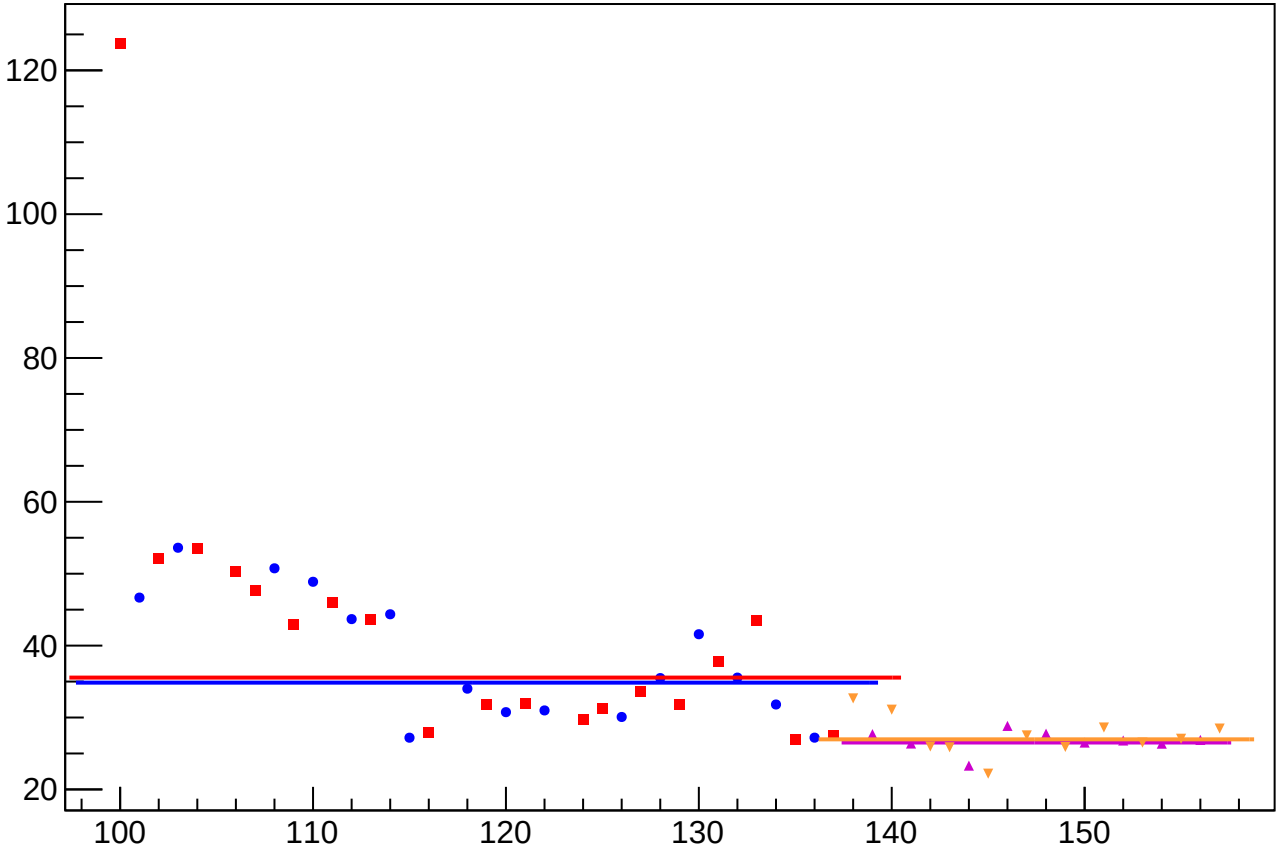
Left In: 12.126+/-9.594 χ^2/NDF:8.8/8

+ sign 1.886+/-7.612 χ^2/NDF: 24.3/26

All: 8.254+/-5.453 χ^2/NDF: 57.9/54

- sign 14.966+/-7.815 χ^2/NDF: 32.2/27

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.965+/-0.007 χ^2/NDF:165320.6/10

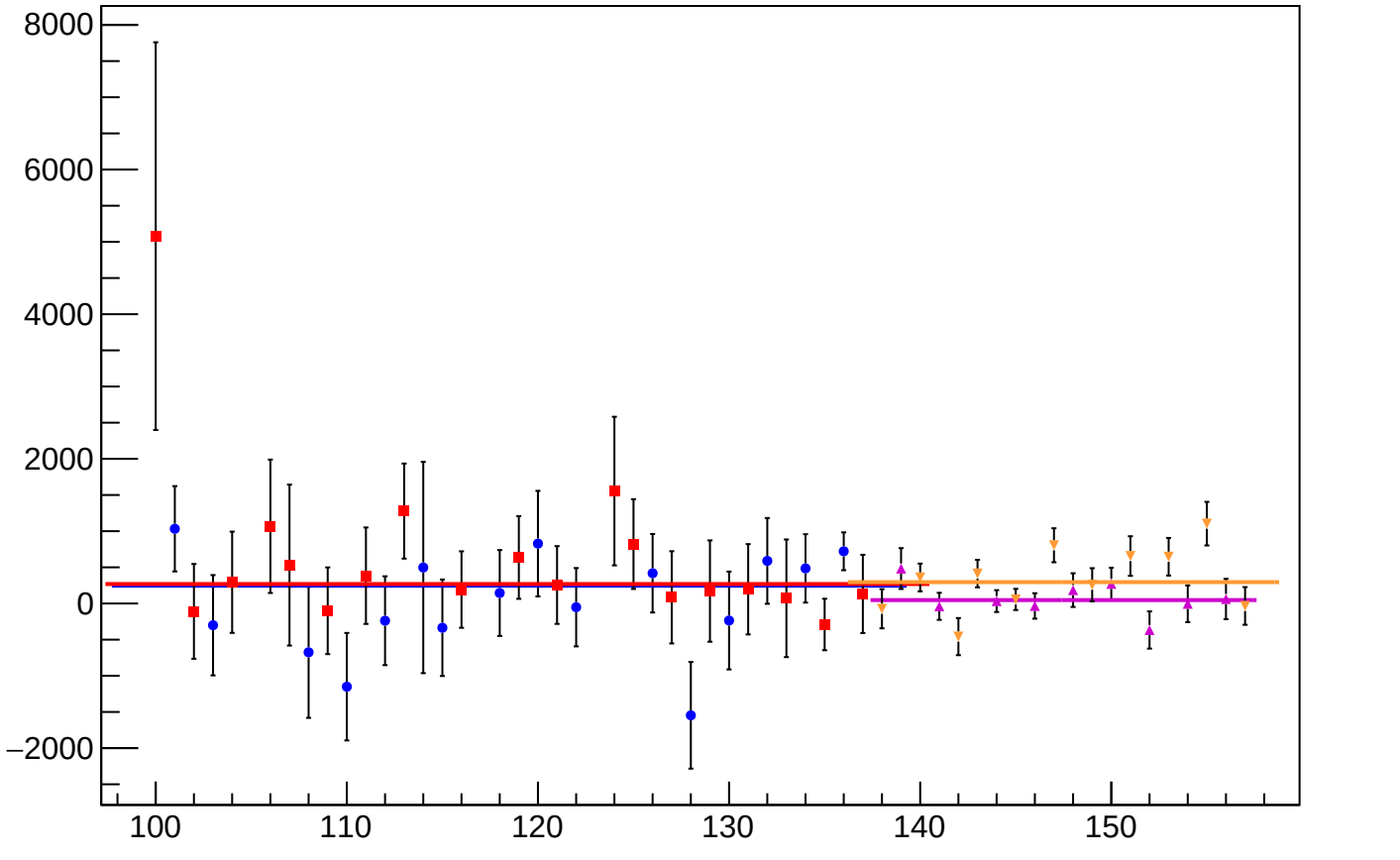
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.525+/-0.007 χ^2/NDF:50195.0/8

+ sign 29.512+/-0.005 χ^2/NDF: 1292733.8/26

All: 29.536+/-0.004 χ^2/NDF: 2718573.7/54

- sign 29.562+/-0.006 χ^2/NDF: 1425799.1/27



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 295.070+/-67.213 χ^2/NDF:30.7/10

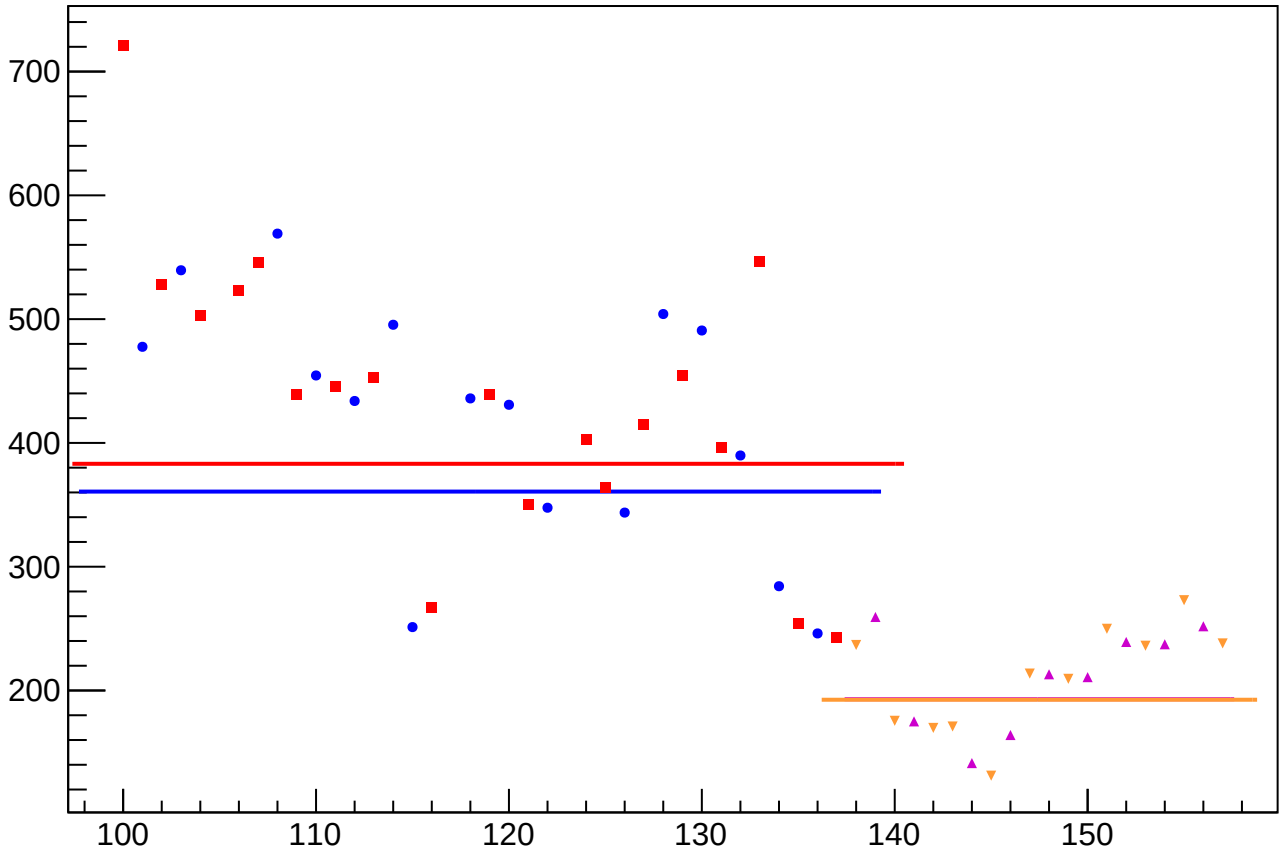
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 47.093+/-70.814 χ^2/NDF:6.8/8

\+ sign 286.002+/-60.614 χ^2/NDF: 50.6/26

All: 192.639+/-43.896 χ^2/NDF: 76.9/54

\- sign 89.670+/-63.656 χ^2/NDF: 21.3/27



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 192.533+/-0.048 χ^2/NDF:836453.3/10

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

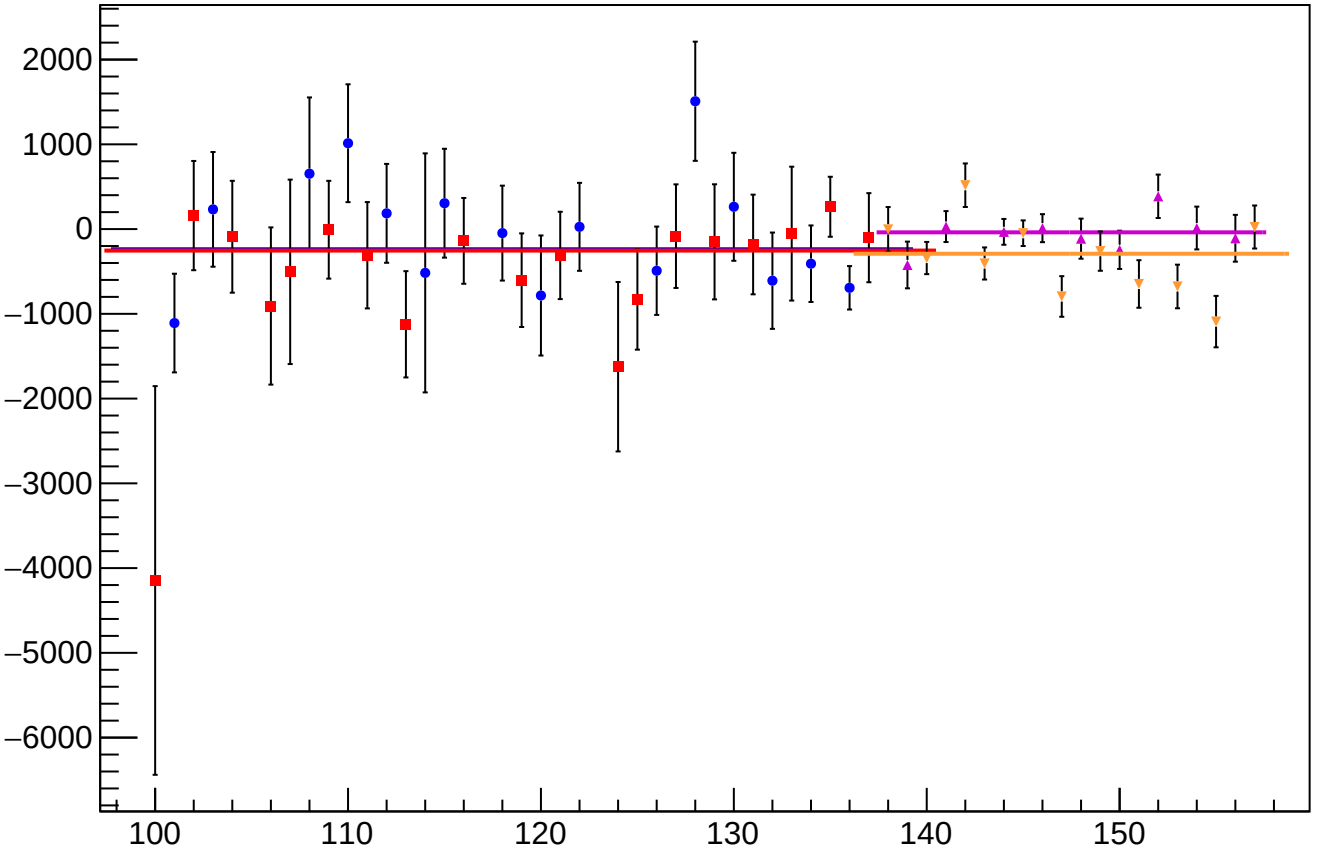
Left In: 192.967+/-0.050 χ^2/NDF:659589.8/8

+ sign 223.932+/-0.043 χ^2/NDF: 4266693.9/26

All: 226.564+/-0.031 χ^2/NDF: 8665725.9/54

- sign 229.468+/-0.045 χ^2/NDF: 4391098.8/27

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -290.962+/-67.565 χ^2/NDF:30.9/10

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

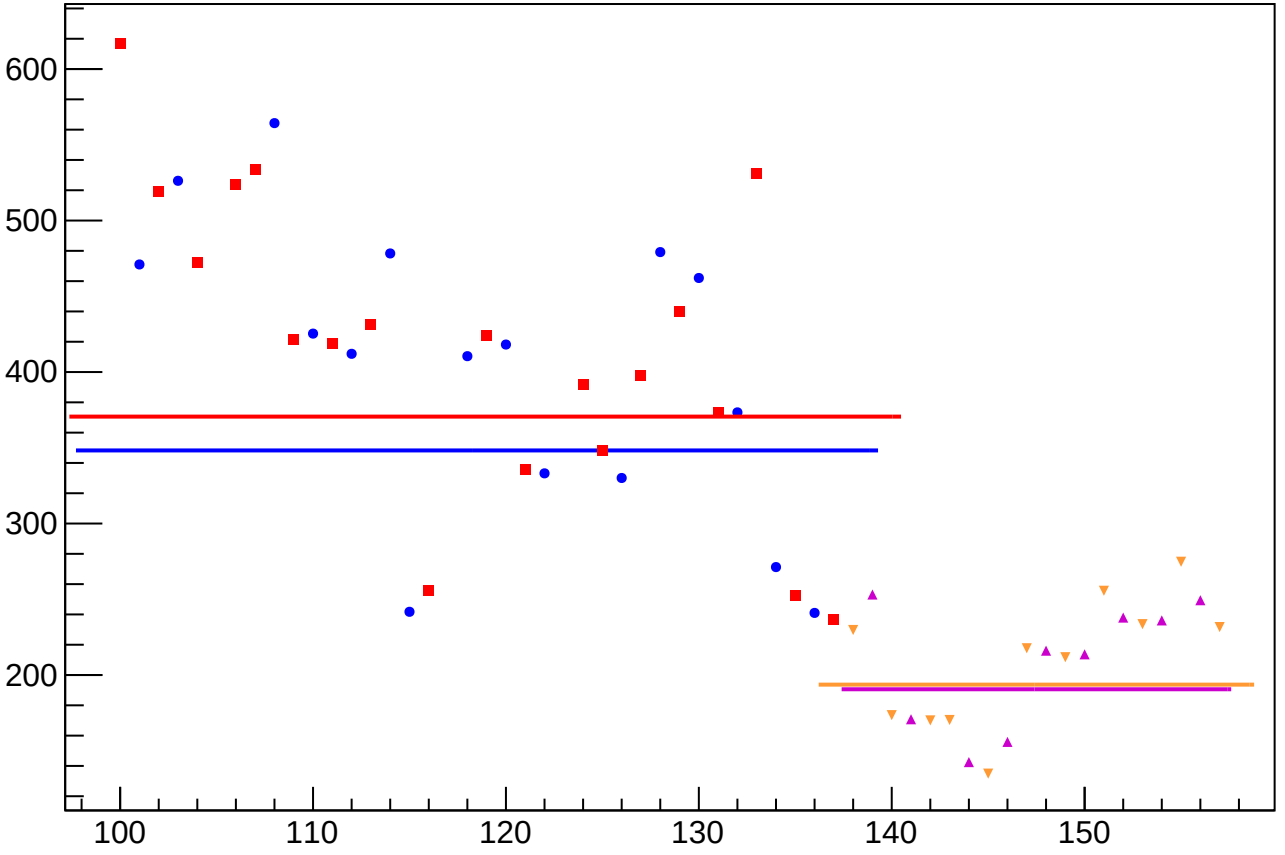
Left In: -38.393+/-69.938 χ^2/NDF:6.0/8

+ sign -280.406+/-60.452 χ^2/NDF: 51.0/26

All: -184.254+/-43.486 χ^2/NDF: 75.8/54

- sign -81.139+/-62.602 χ^2/NDF: 19.6/27

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 193.662+/-0.048 χ^2/NDF:774971.6/10

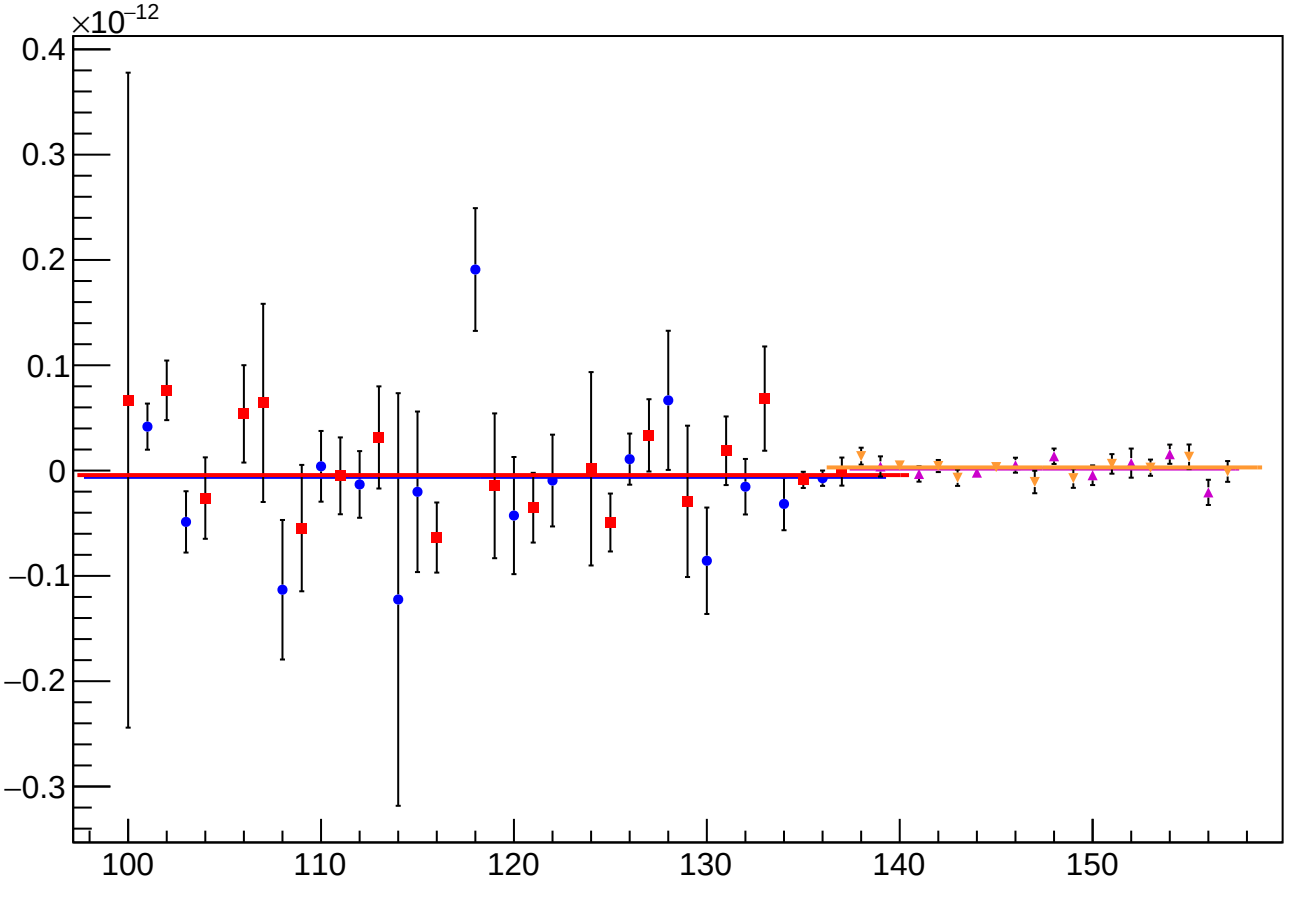
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 190.601+/-0.049 χ^2/NDF:681866.6/8

+ sign 224.500+/-0.043 χ^2/NDF: 3920393.7/26

All: 225.406+/-0.031 χ^2/NDF: 8154017.2/54

- sign 226.377+/-0.044 χ^2/NDF: 4232693.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/10

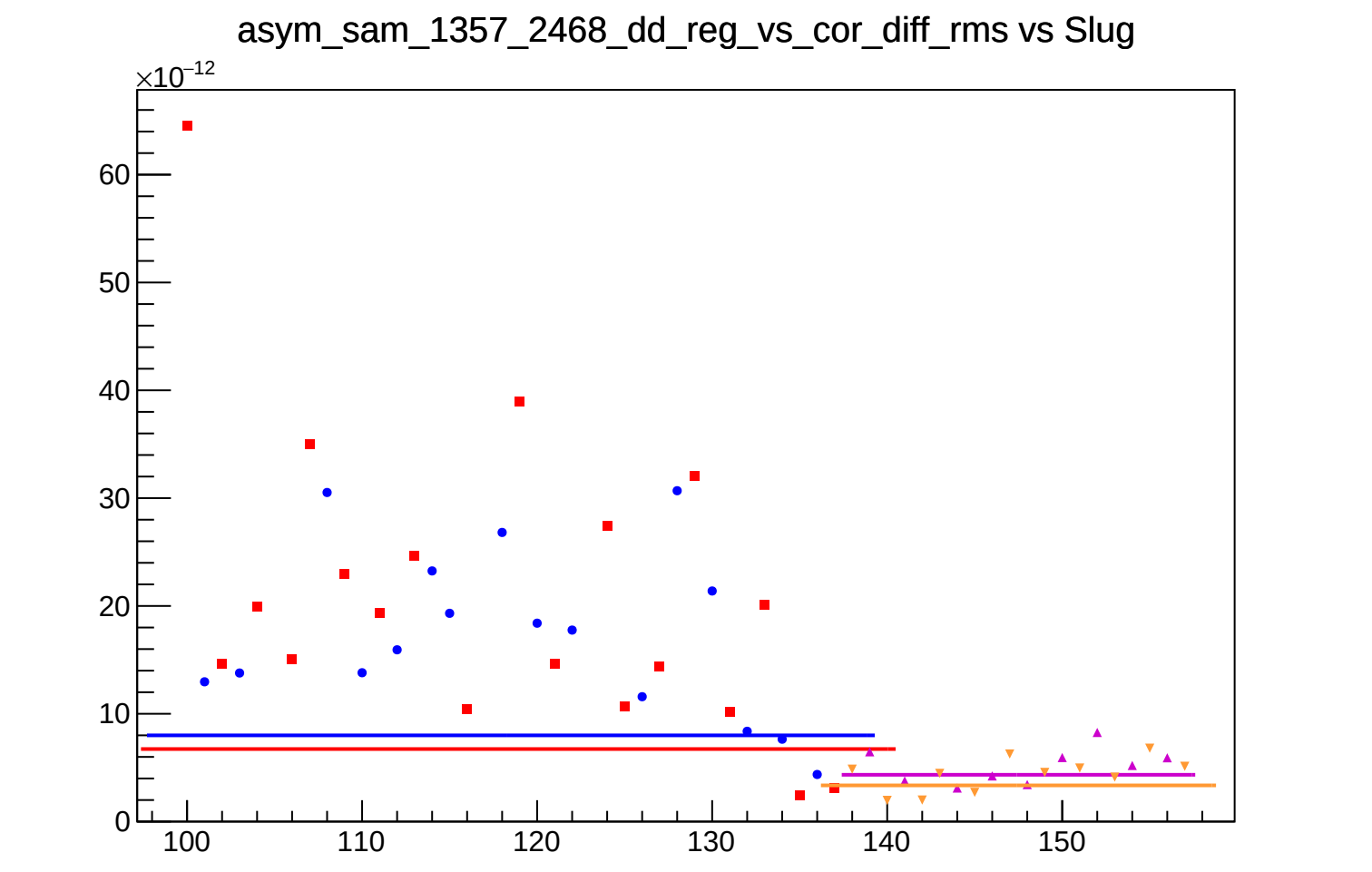
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/26

All: 0.000+/-0.000 χ^2/NDF: 71.6/54

- sign 0.000+/-0.000 χ^2/NDF: 34.3/27



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1000806.4/10

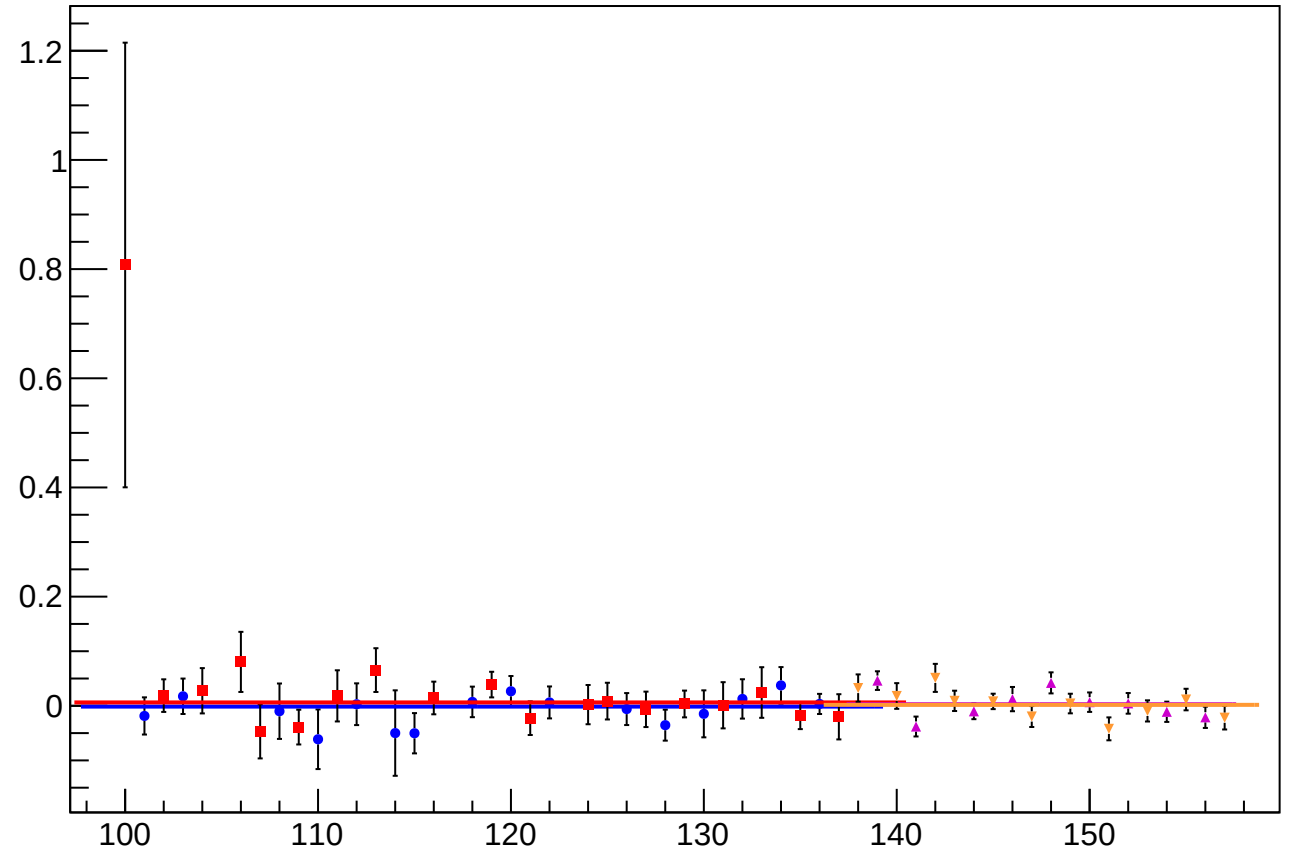
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:547173.1/8

+ sign 0.000+/-0.000 χ^2/NDF: 4127622.0/26

All: 0.000+/-0.000 χ^2/NDF: 8523563.3/54

- sign 0.000+/-0.000 χ^2/NDF: 4229677.1/27



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

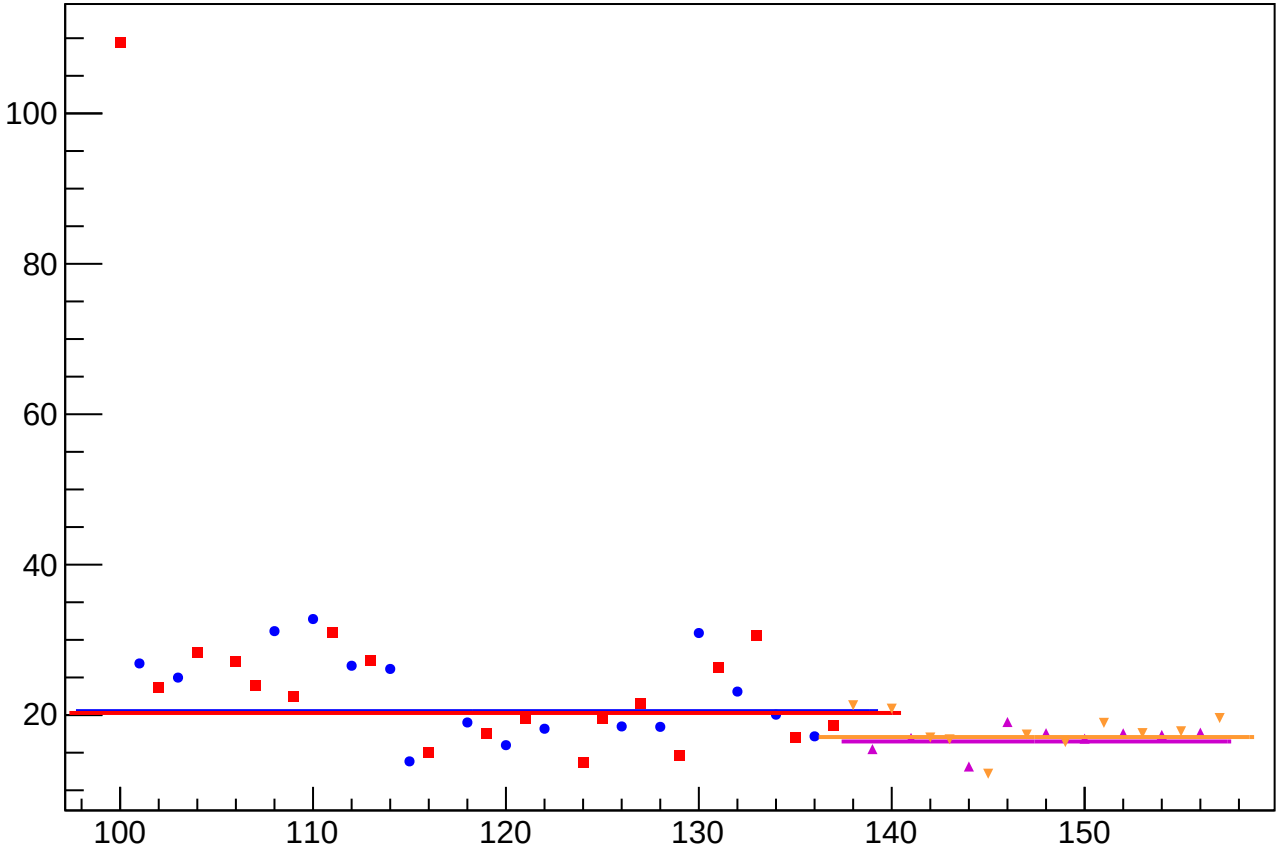
Left In: 0.003+/-0.006 χ^2/NDF:18.6/8

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/54

- sign 0.004+/-0.005 χ^2/NDF: 35.0/27

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.078+/-0.004 χ^2/NDF:398801.4/10

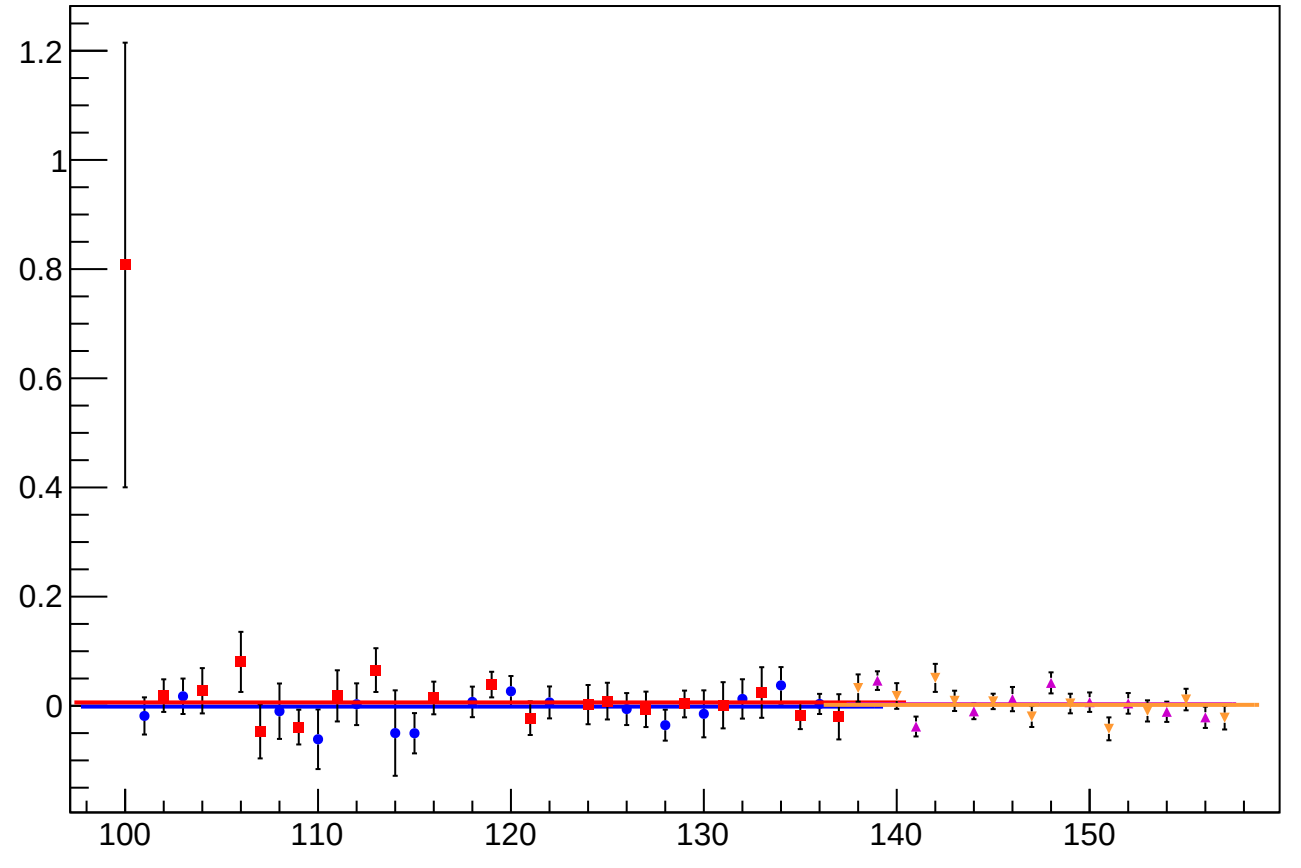
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.491+/-0.004 χ^2/NDF:167999.1/8

+ sign 18.292+/-0.003 χ^2/NDF: 1341199.6/26

All: 18.092+/-0.002 χ^2/NDF: 2671944.3/54

- sign 17.892+/-0.003 χ^2/NDF: 1323791.1/27



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

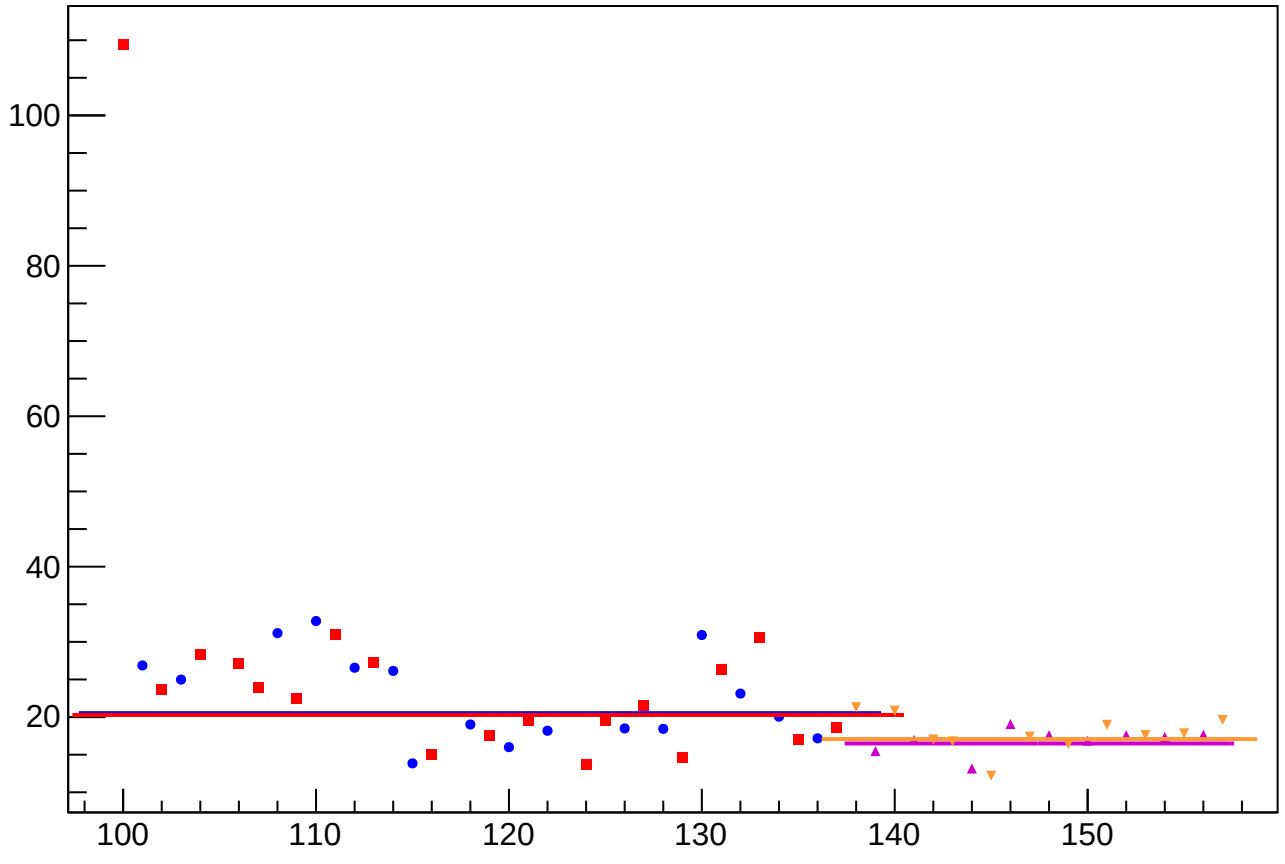
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.003+/-0.006 χ^2/NDF:18.6/8

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/54

- sign 0.004+/-0.005 χ^2/NDF: 35.0/27



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.078+/-0.004 χ^2/NDF:398801.4/10

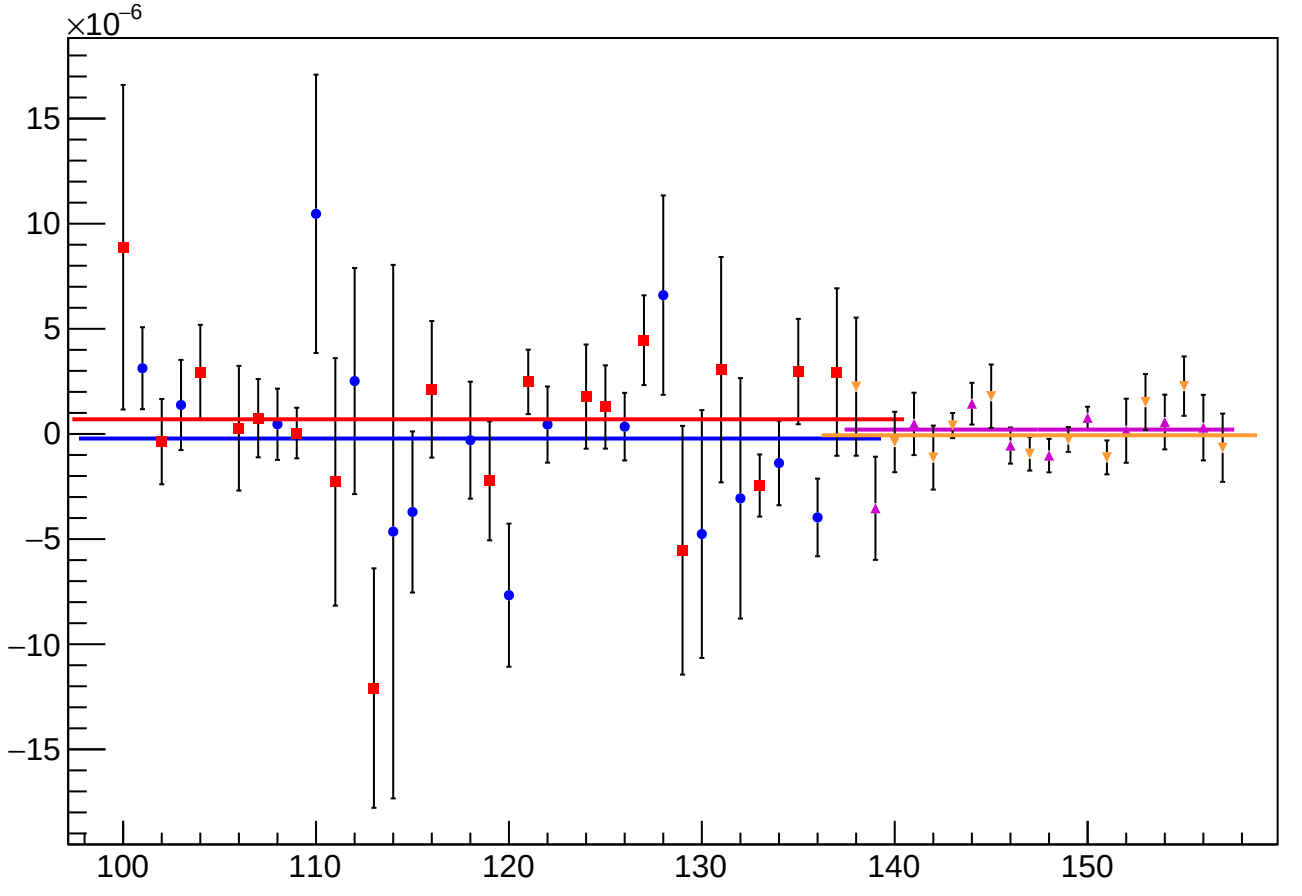
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.491+/-0.004 χ^2/NDF:167999.1/8

+ sign 18.292+/-0.003 χ^2/NDF: 1341199.6/26

All: 18.092+/-0.002 χ^2/NDF: 2671944.3/54

- sign 17.892+/-0.003 χ^2/NDF: 1323791.1/27



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/10

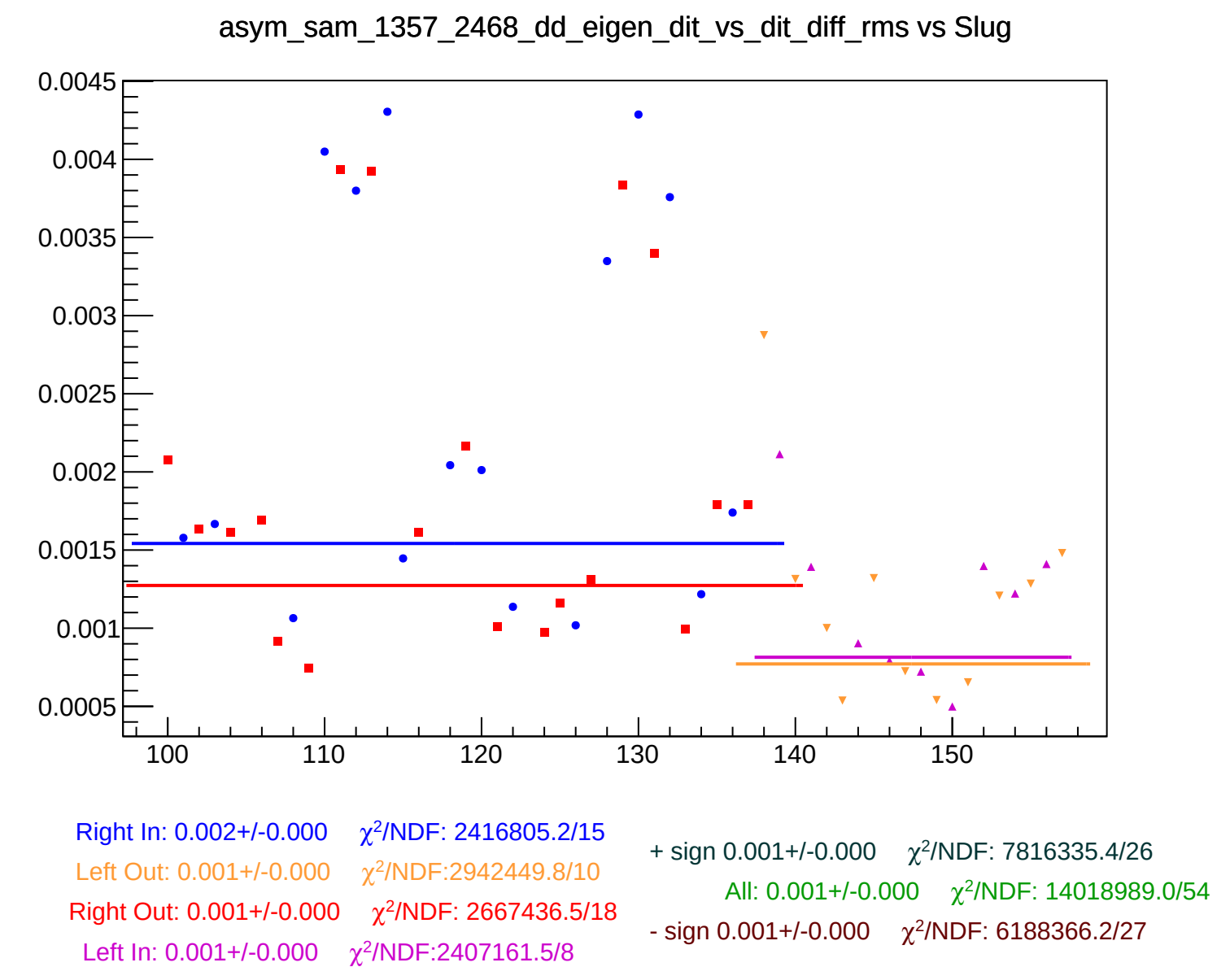
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

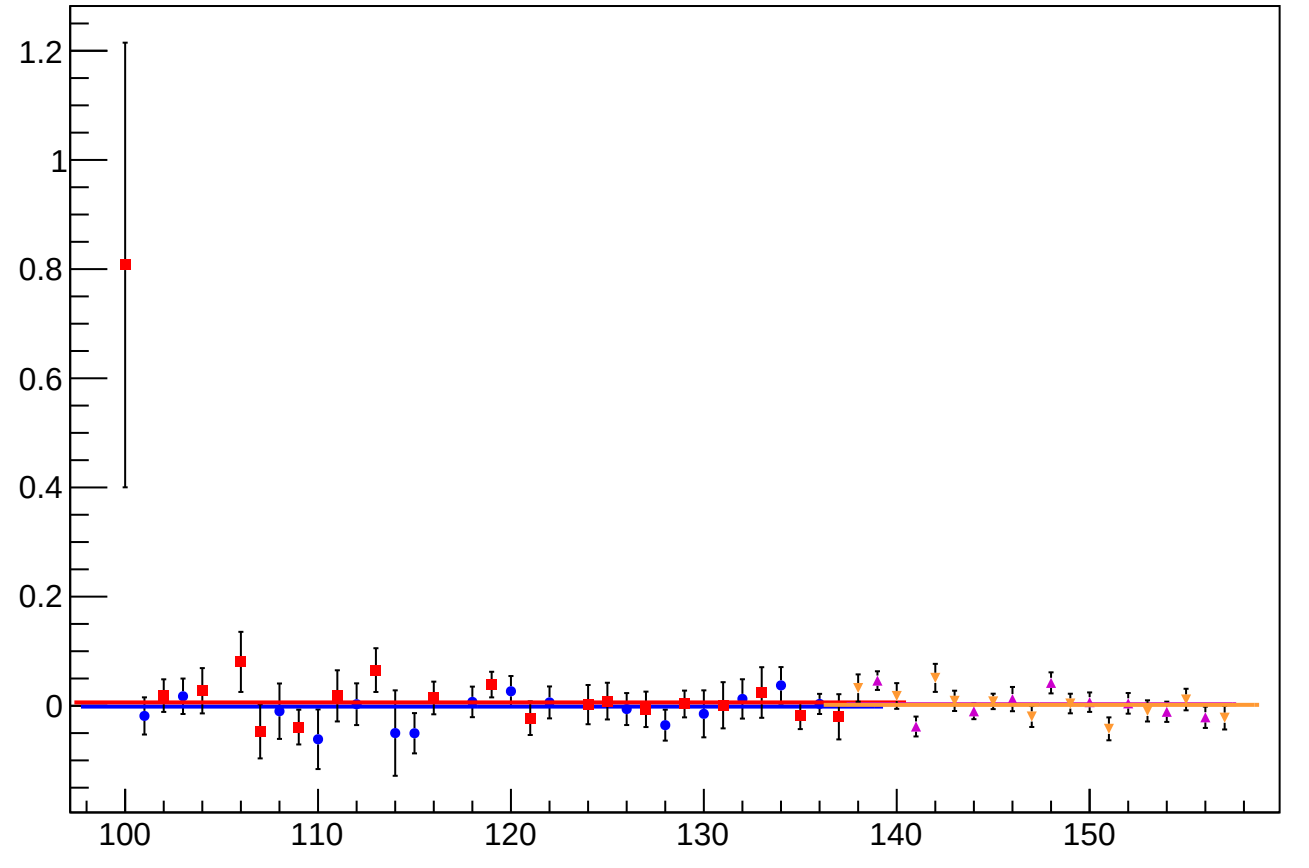
Left In: 0.000+/-0.000 χ^2/NDF:8.3/8

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/26

All: 0.000+/-0.000 χ^2/NDF: 61.6/54

- sign 0.000+/-0.000 χ^2/NDF: 29.9/27


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
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2942449.8/10
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:2407161.5/8
+ sign 0.001+/-0.000 χ²/NDF: 7816335.4/26
All: 0.001+/-0.000 χ²/NDF: 14018989.0/54
- sign 0.001+/-0.000 χ²/NDF: 6188366.2/27



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

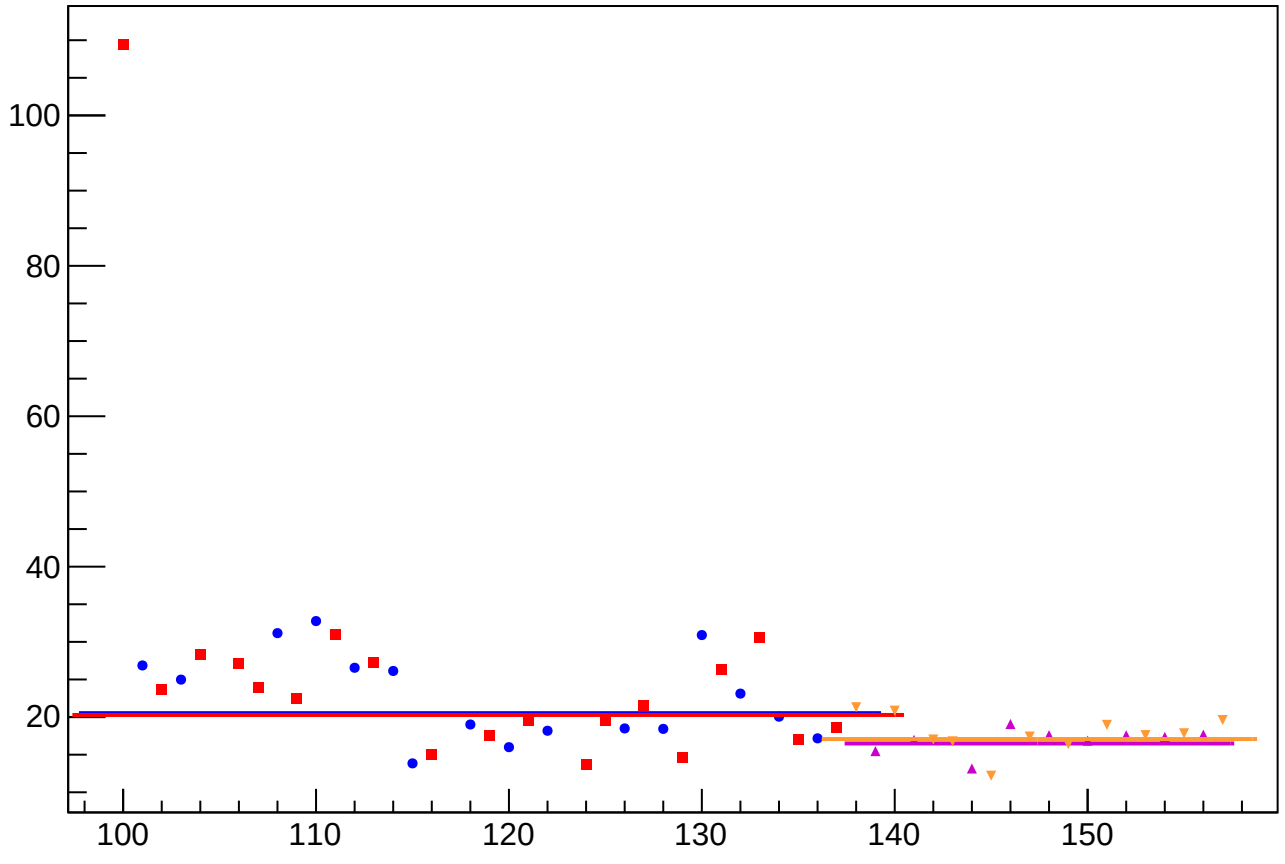
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.003+/-0.006 χ^2/NDF:18.6/8

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/54

- sign 0.004+/-0.005 χ^2/NDF: 35.0/27



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.079+/-0.004 χ^2/NDF:398748.2/10

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

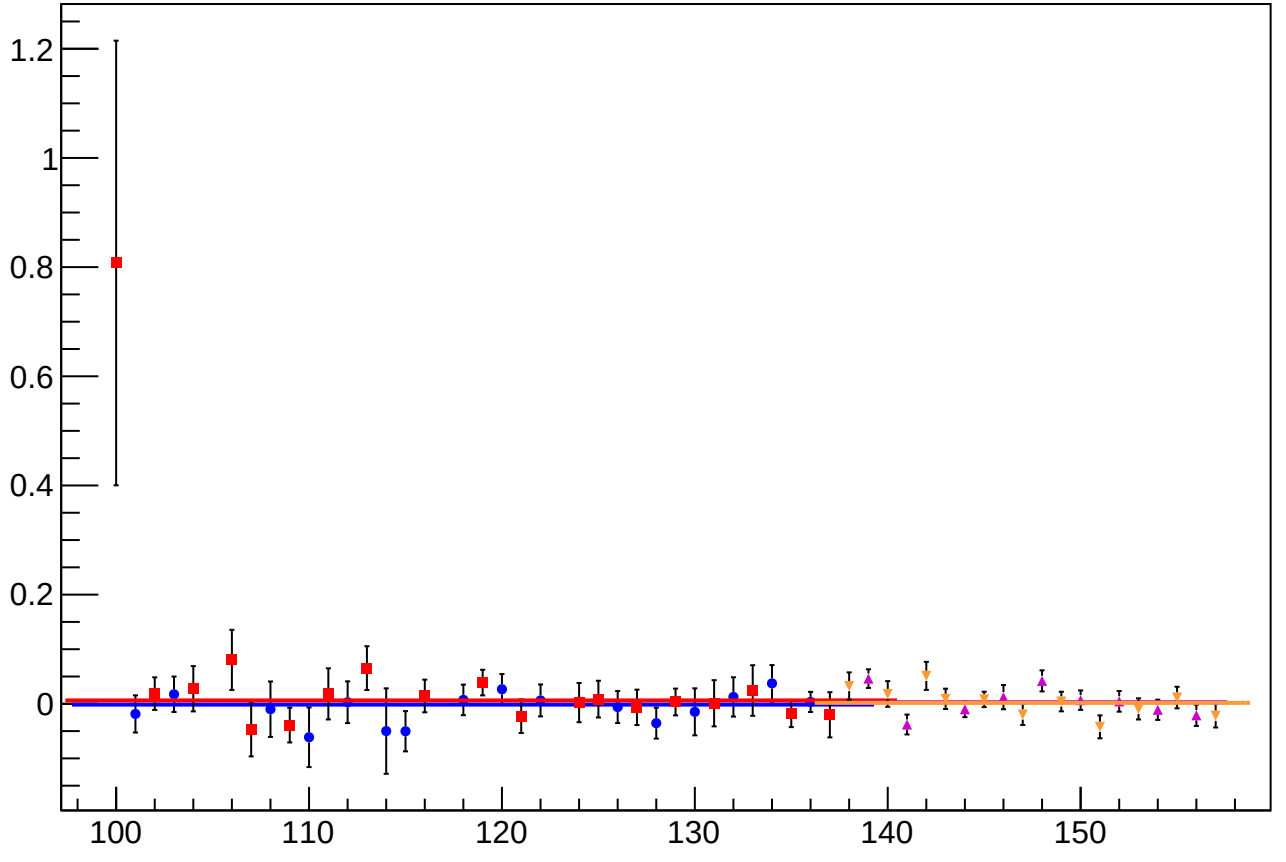
Left In: 16.491+/-0.004 χ^2/NDF:168017.5/8

+ sign 18.292+/-0.003 χ^2/NDF: 1340918.1/26

All: 18.092+/-0.002 χ^2/NDF: 2671582.4/54

- sign 17.892+/-0.003 χ^2/NDF: 1323704.9/27

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.002+/-0.006 χ^2/NDF:13.5/10

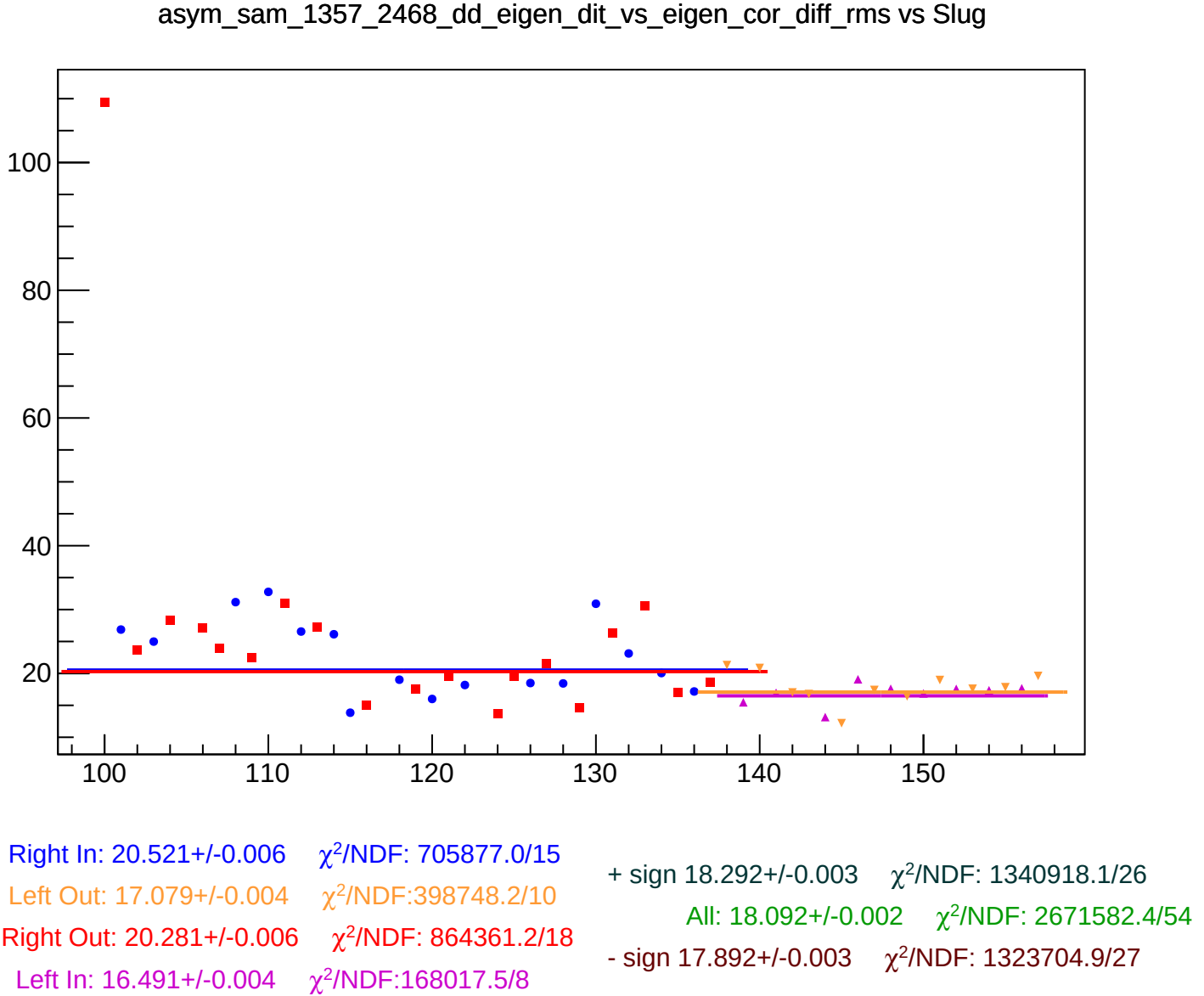
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

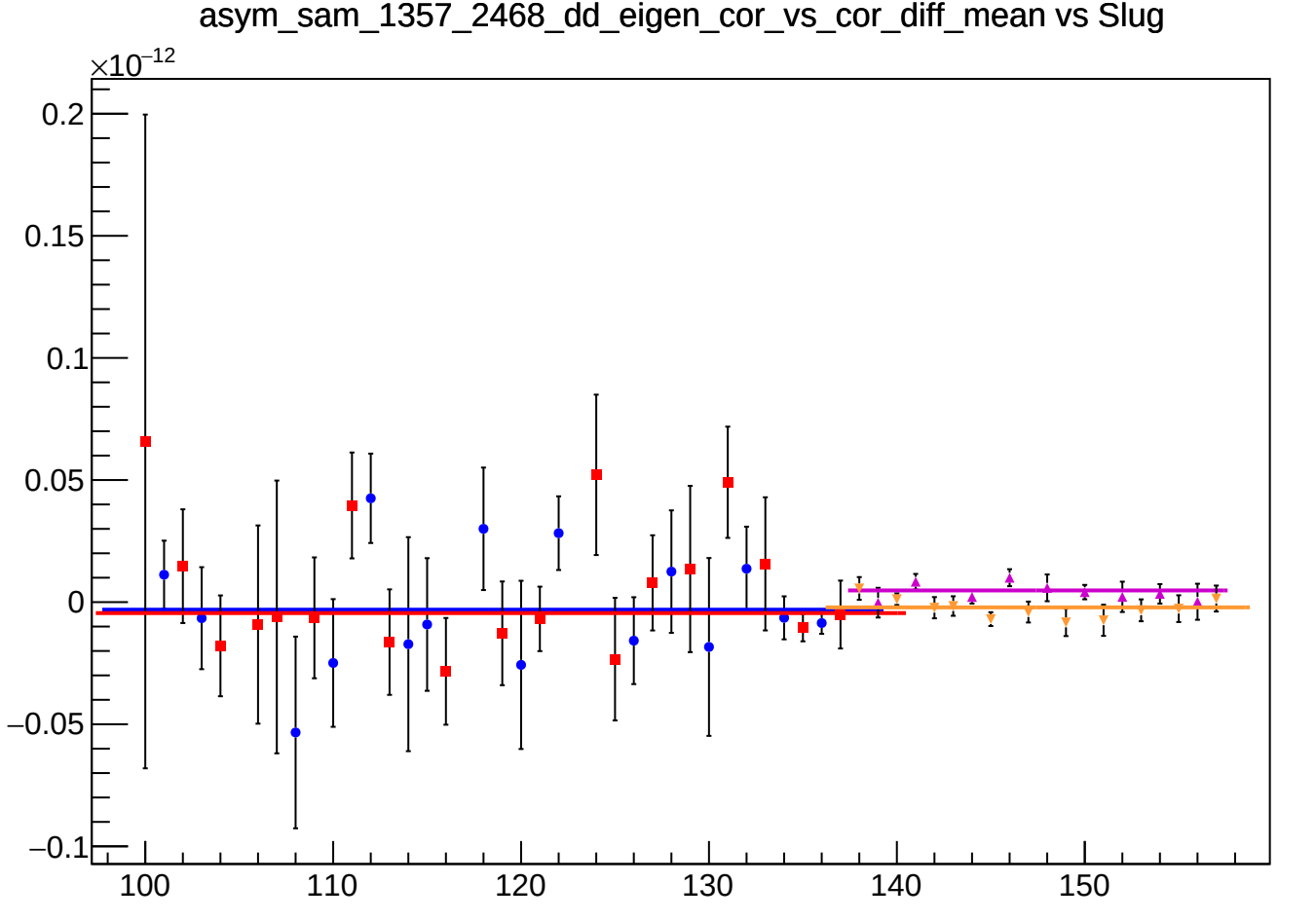
Left In: 0.003+/-0.006 χ^2/NDF:18.6/8

+ sign 0.001+/-0.005 χ^2/NDF: 21.8/26

All: 0.002+/-0.003 χ^2/NDF: 57.1/54

- sign 0.004+/-0.005 χ^2/NDF: 35.0/27


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 17.079+/-0.004 χ²/NDF:398748.2/10
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.491+/-0.004 χ²/NDF:168017.5/8
+ sign 18.292+/-0.003 χ²/NDF: 1340918.1/26
All: 18.092+/-0.002 χ²/NDF: 2671582.4/54
- sign 17.892+/-0.003 χ²/NDF: 1323704.9/27



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/10

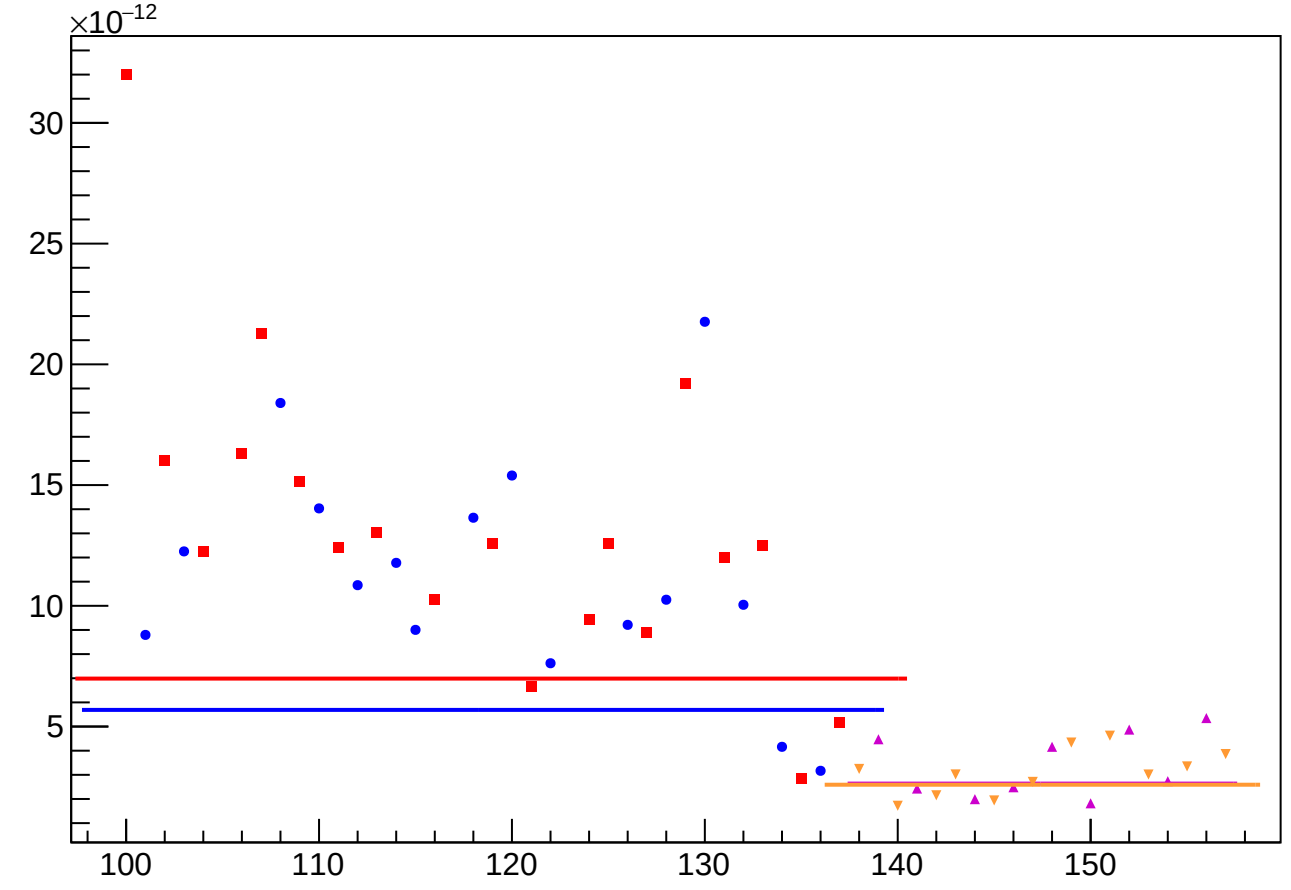
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/8

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/26

All: 0.000+/-0.000 χ^2/NDF: 73.6/54

- sign 0.000+/-0.000 χ^2/NDF: 29.7/27



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026708.0/10

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

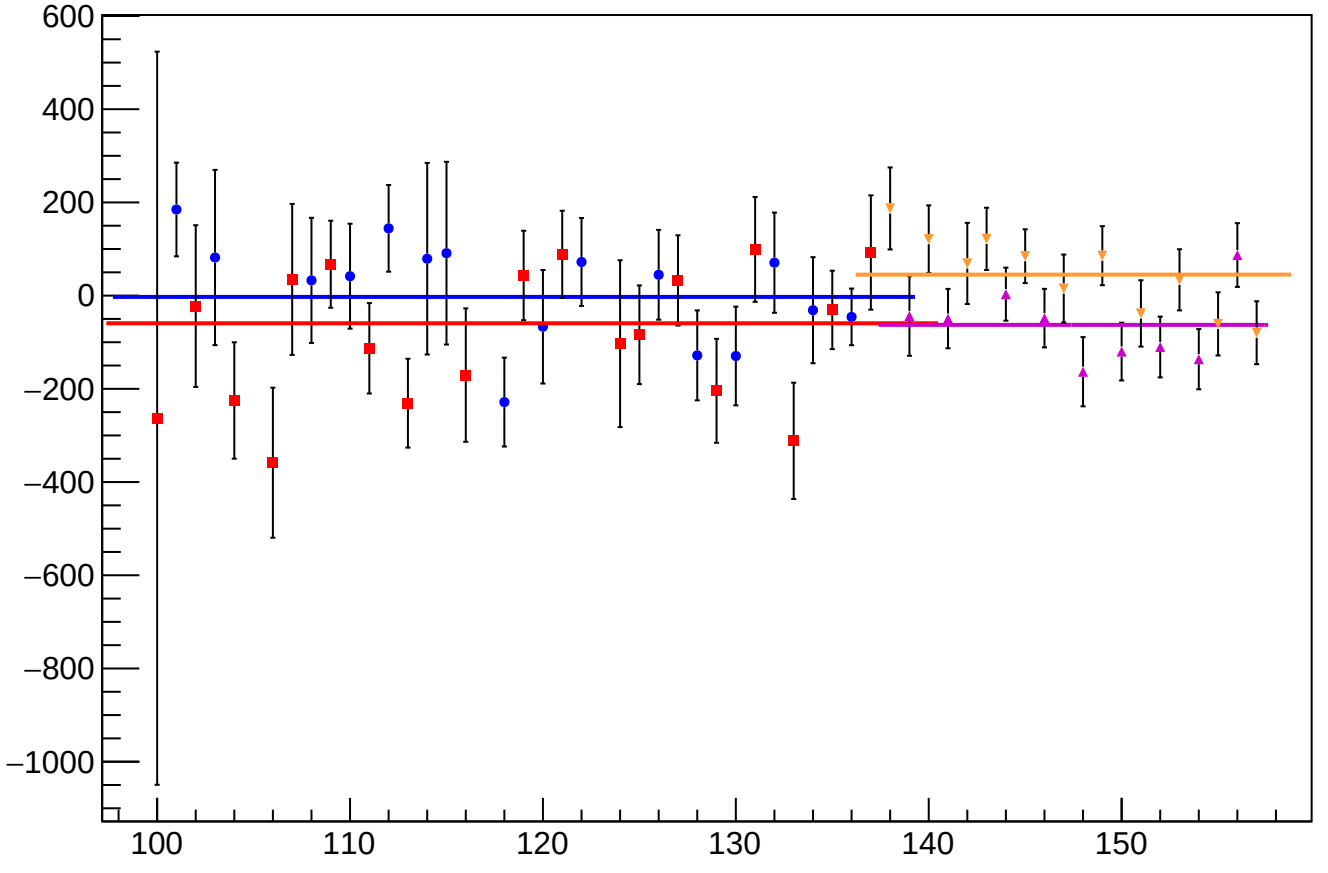
Left In: 0.000+/-0.000 χ^2/NDF:1147322.3/8

+ sign 0.000+/-0.000 χ^2/NDF: 5326702.9/26

All: 0.000+/-0.000 χ^2/NDF: 11869399.6/54

- sign 0.000+/-0.000 χ^2/NDF: 6533667.1/27

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.101+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

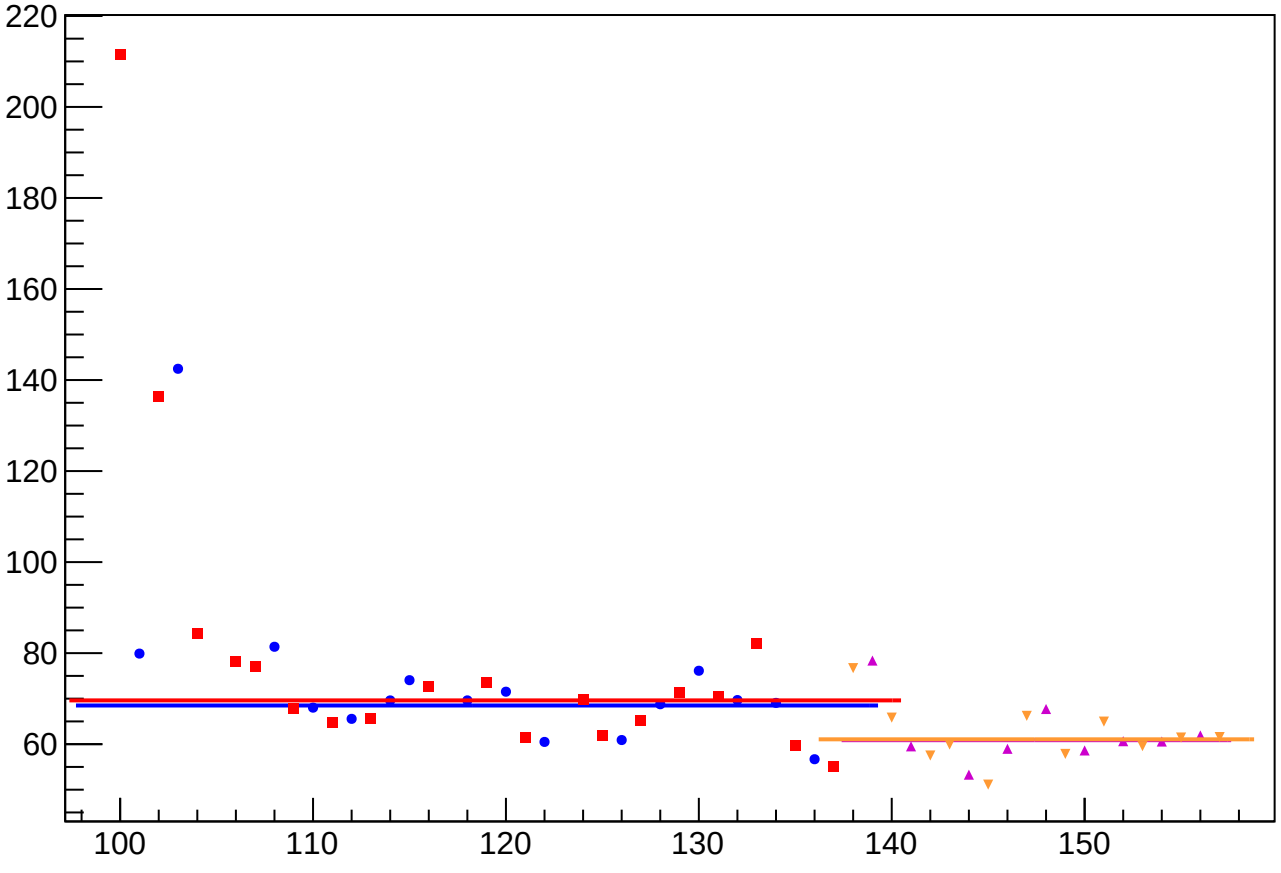
Left In: -62.738+/-21.948 χ^2/NDF:10.8/8

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -16.100+/-11.746 χ^2/NDF: 83.6/54

- sign -61.352+/-16.872 χ^2/NDF: 36.5/27

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

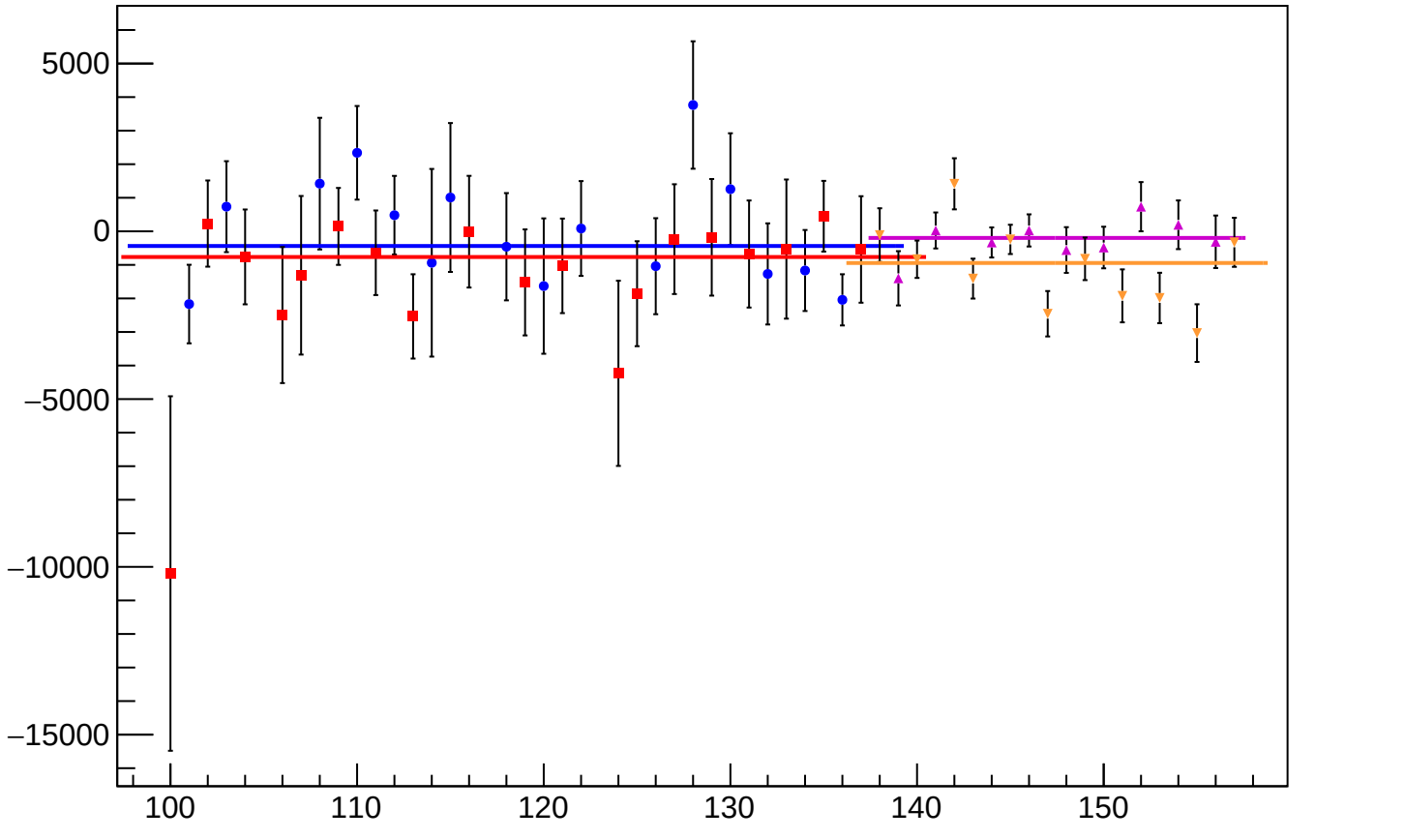
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.878+/-0.016 χ^2/NDF:142247.3/8

+ sign 63.961+/-0.012 χ^2/NDF: 727605.8/26

All: 64.200+/-0.008 χ^2/NDF: 1520907.9/54

- sign 64.453+/-0.012 χ^2/NDF: 792423.6/27



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -943.252+/-196.634 χ^2/NDF:29.1/10

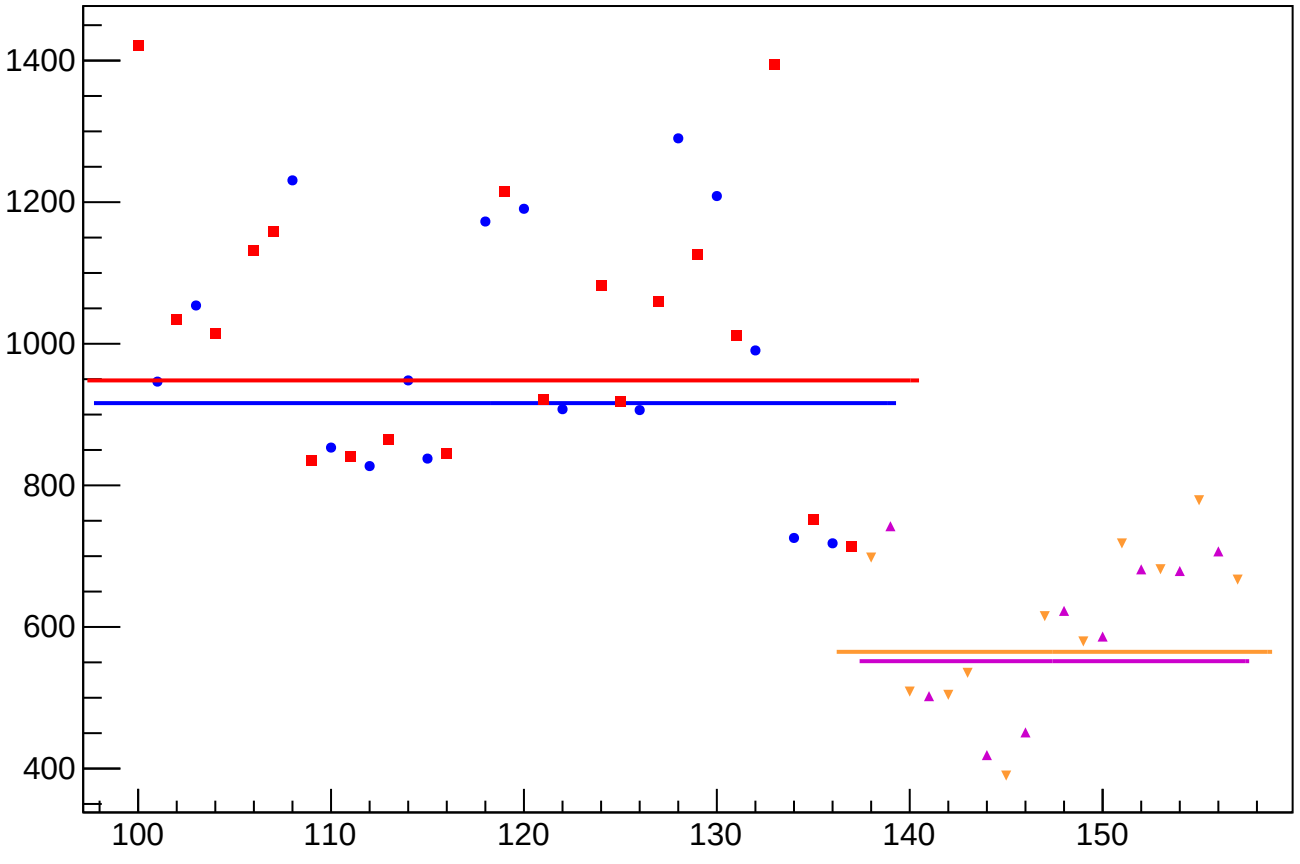
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: -196.914+/-202.055 χ^2/NDF:5.1/8

+ sign -821.312+/-171.300 χ^2/NDF: 51.2/26

All: -584.915+/-122.540 χ^2/NDF: 73.5/54

- sign -337.160+/-175.367 χ^2/NDF: 18.4/27



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 564.888+/-0.139 χ^2/NDF:713268.4/10

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

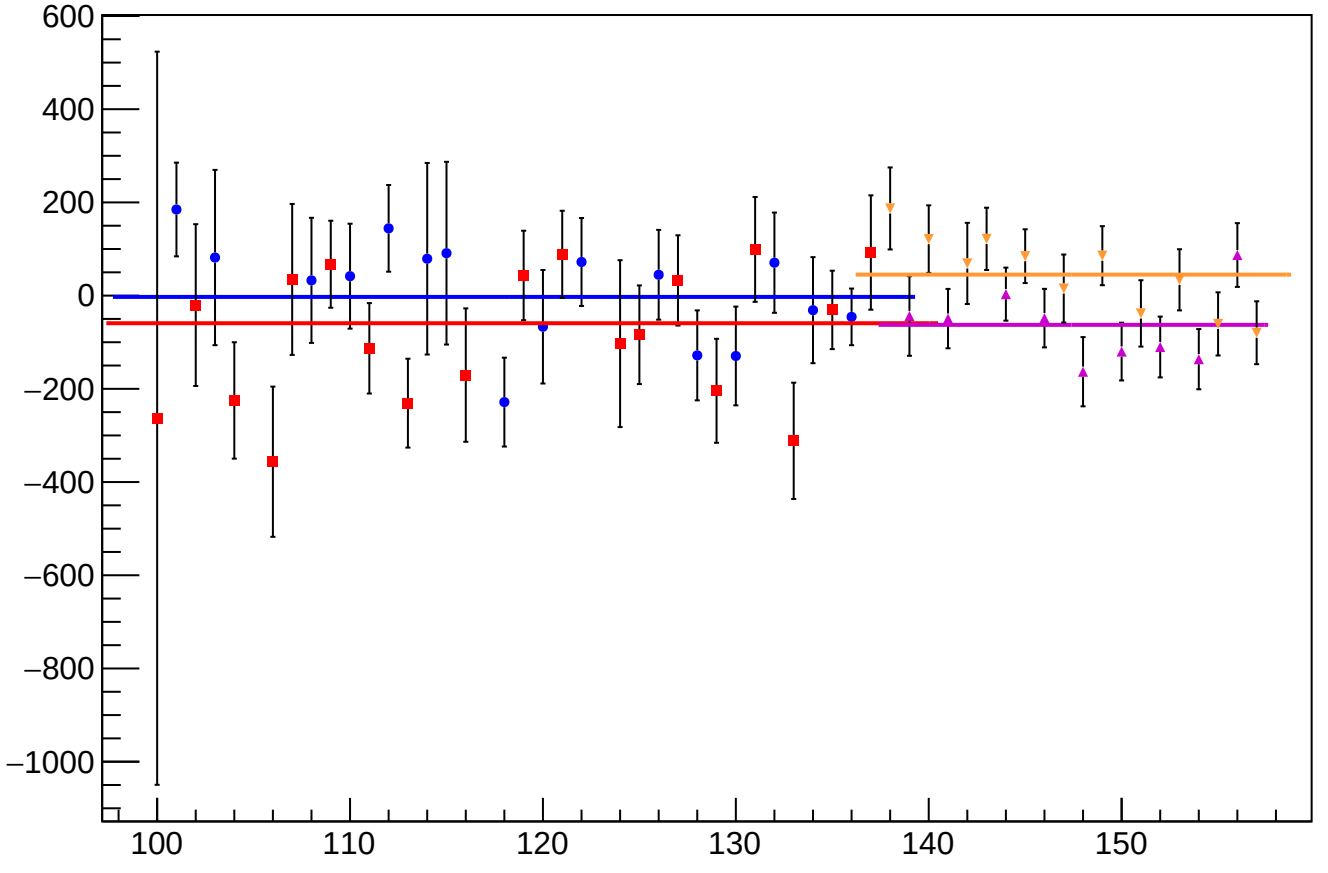
Left In: 551.678+/-0.143 χ^2/NDF:622302.8/8

+ sign 649.575+/-0.121 χ^2/NDF: 2761215.6/26

All: 649.548+/-0.087 χ^2/NDF: 5699423.4/54

- sign 649.519+/-0.124 χ^2/NDF: 2938207.8/27

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

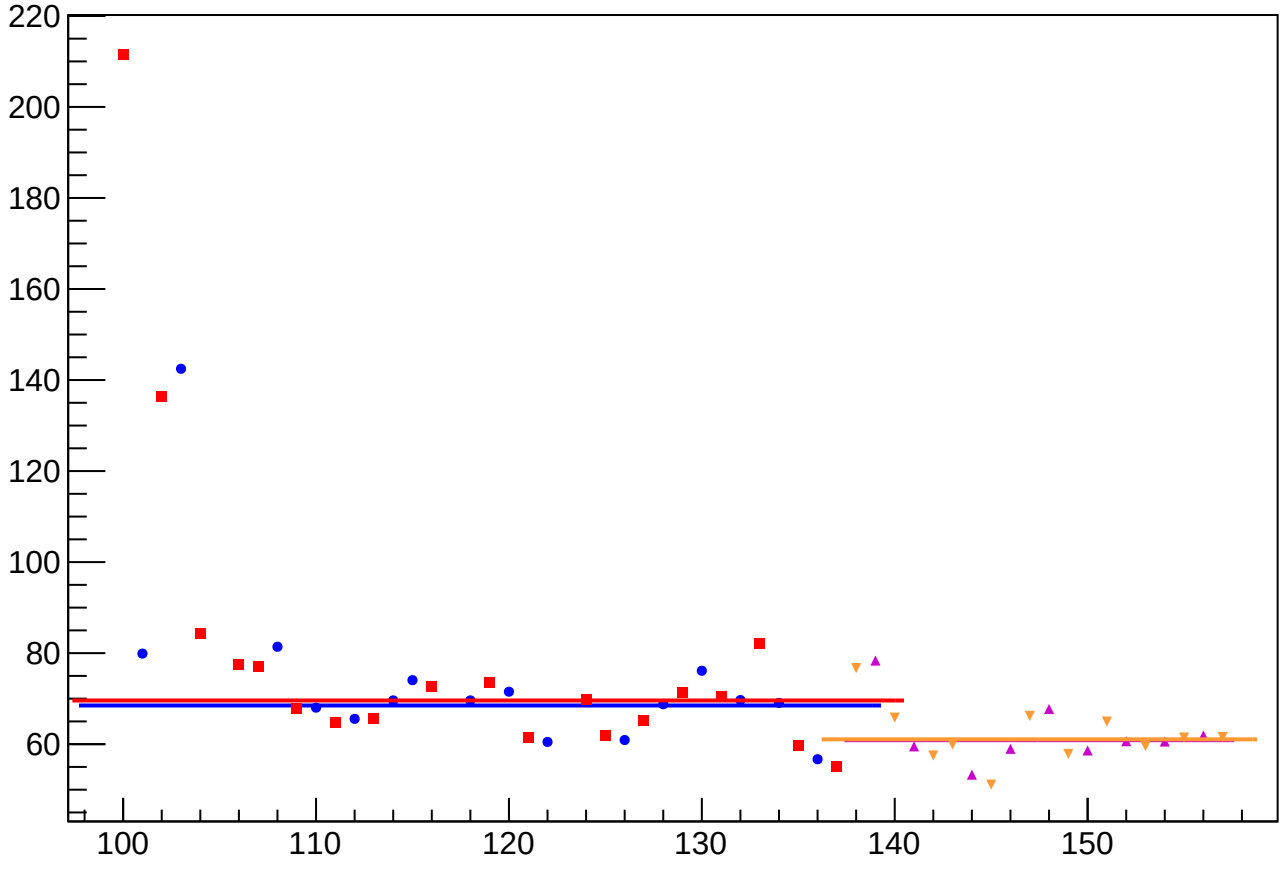
Left In: -62.738+/-21.948 χ^2/NDF:10.8/8

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -16.076+/-11.746 χ^2/NDF: 83.5/54

- sign -61.302+/-16.873 χ^2/NDF: 36.5/27

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

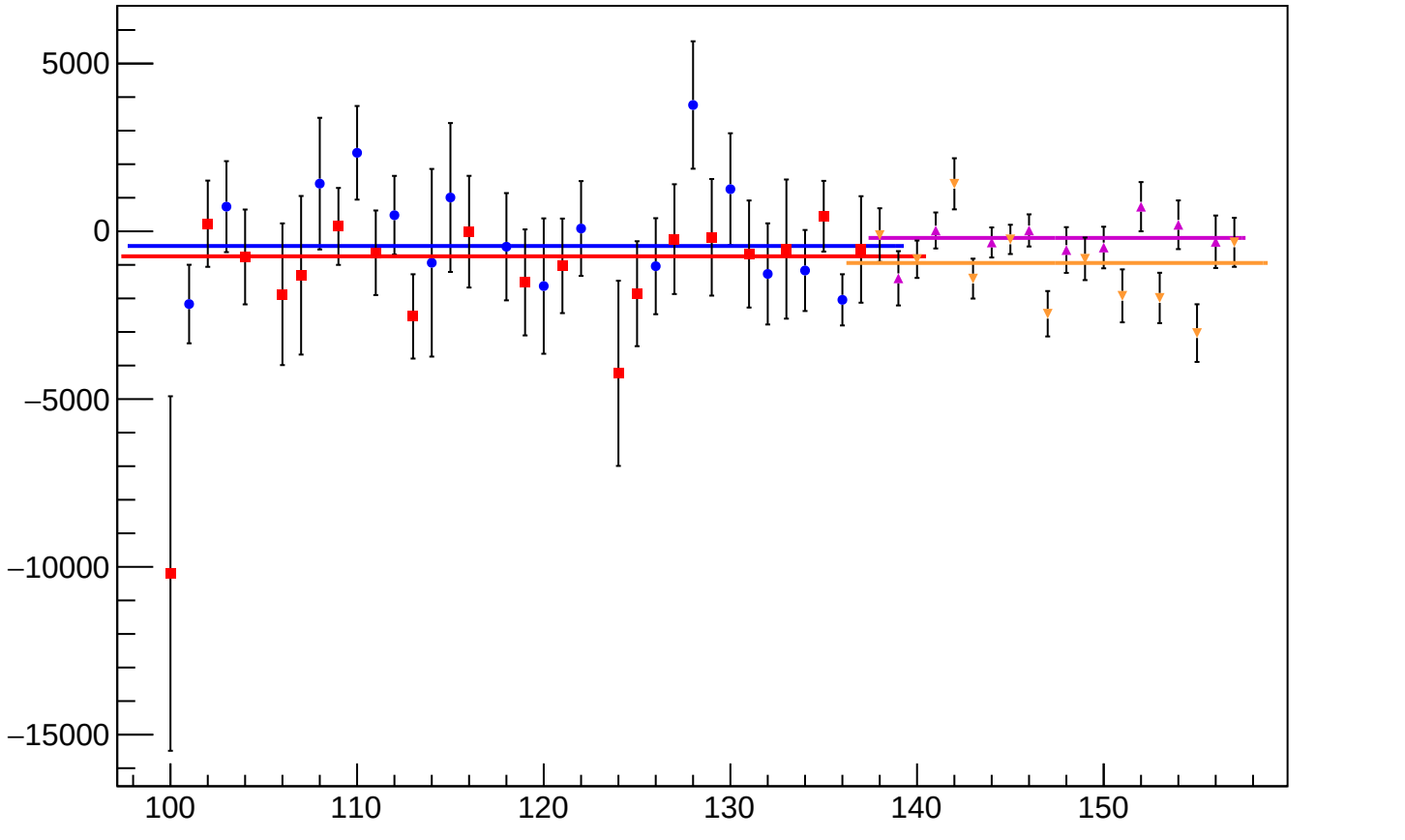
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.878+/-0.016 χ^2/NDF:142247.3/8

+ sign 63.961+/-0.012 χ^2/NDF: 727608.8/26

All: 64.196+/-0.008 χ^2/NDF: 1519690.2/54

- sign 64.445+/-0.012 χ^2/NDF: 791231.4/27



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -943.247+/-196.634 χ^2/NDF:29.1/10

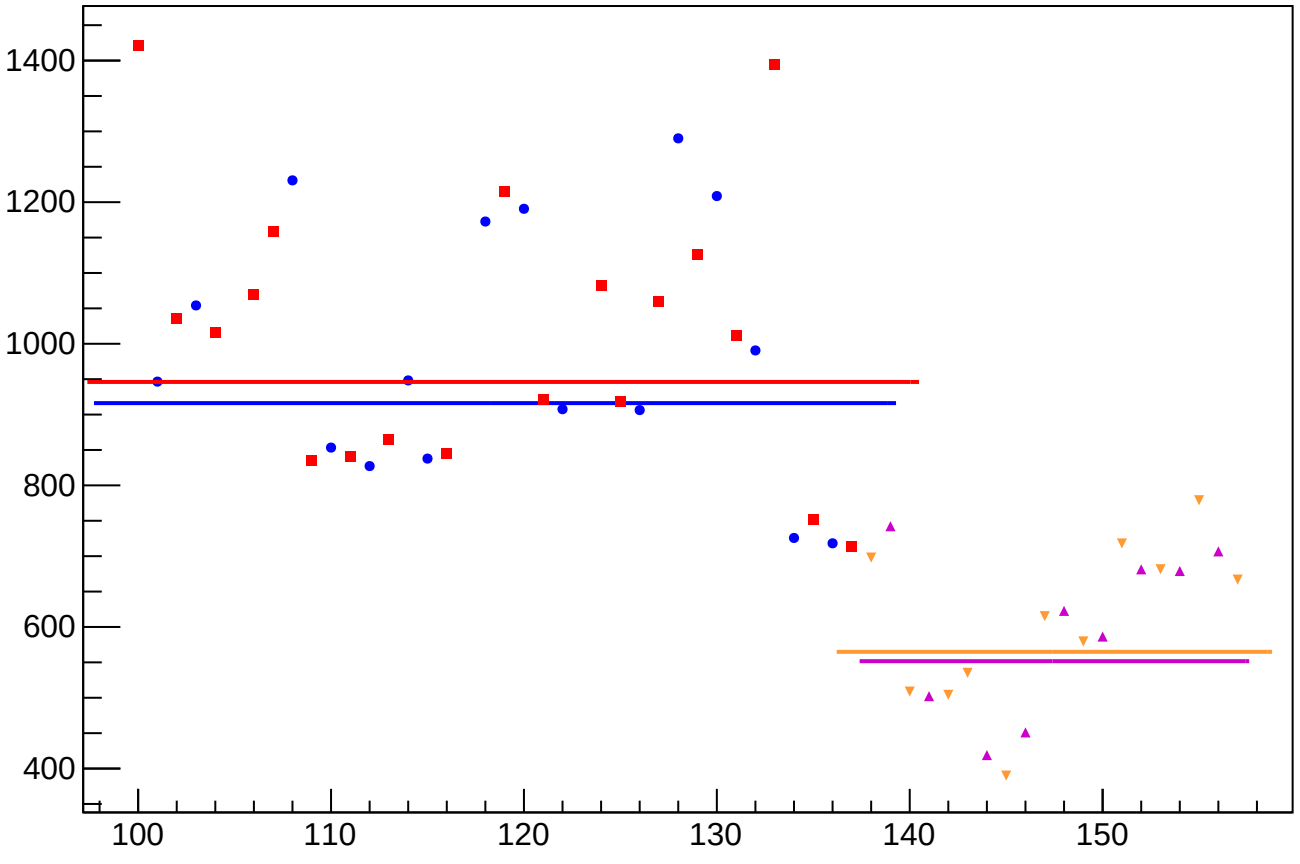
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -196.918+/-202.055 χ^2/NDF:5.1/8

\+ sign -821.302+/-171.300 χ^2/NDF: 51.2/26

All: -582.339+/-122.558 χ^2/NDF: 73.0/54

\- sign -331.742+/-175.420 χ^2/NDF: 17.8/27



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 564.888+/-0.139 χ^2/NDF:713271.7/10

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

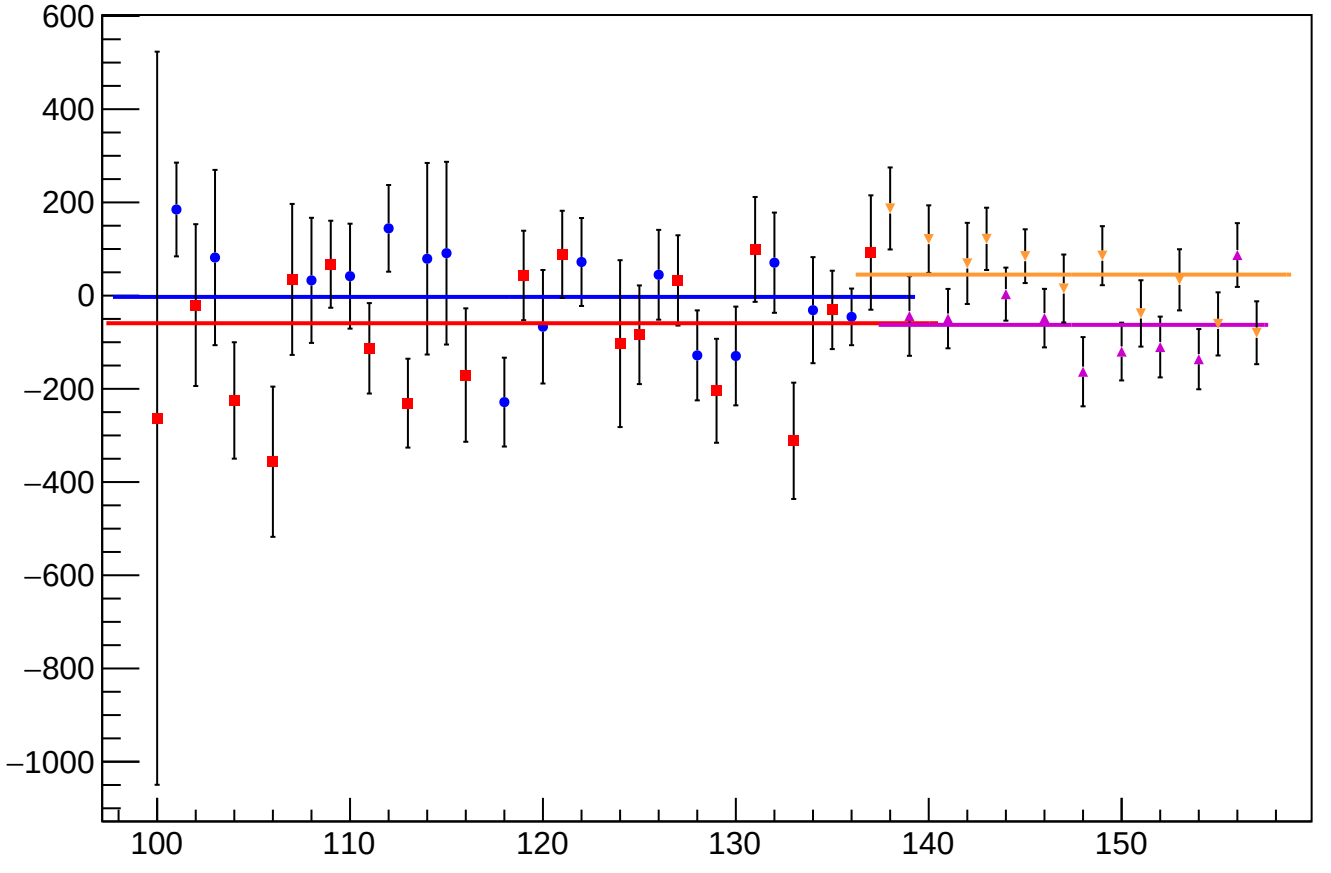
Left In: 551.678+/-0.143 χ^2/NDF:622300.8/8

+ sign 649.575+/-0.121 χ^2/NDF: 2761265.4/26

All: 649.202+/-0.087 χ^2/NDF: 5665729.7/54

- sign 648.810+/-0.124 χ^2/NDF: 2904444.9/27

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 45.105+/-20.942 χ^2/NDF:13.4/10

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

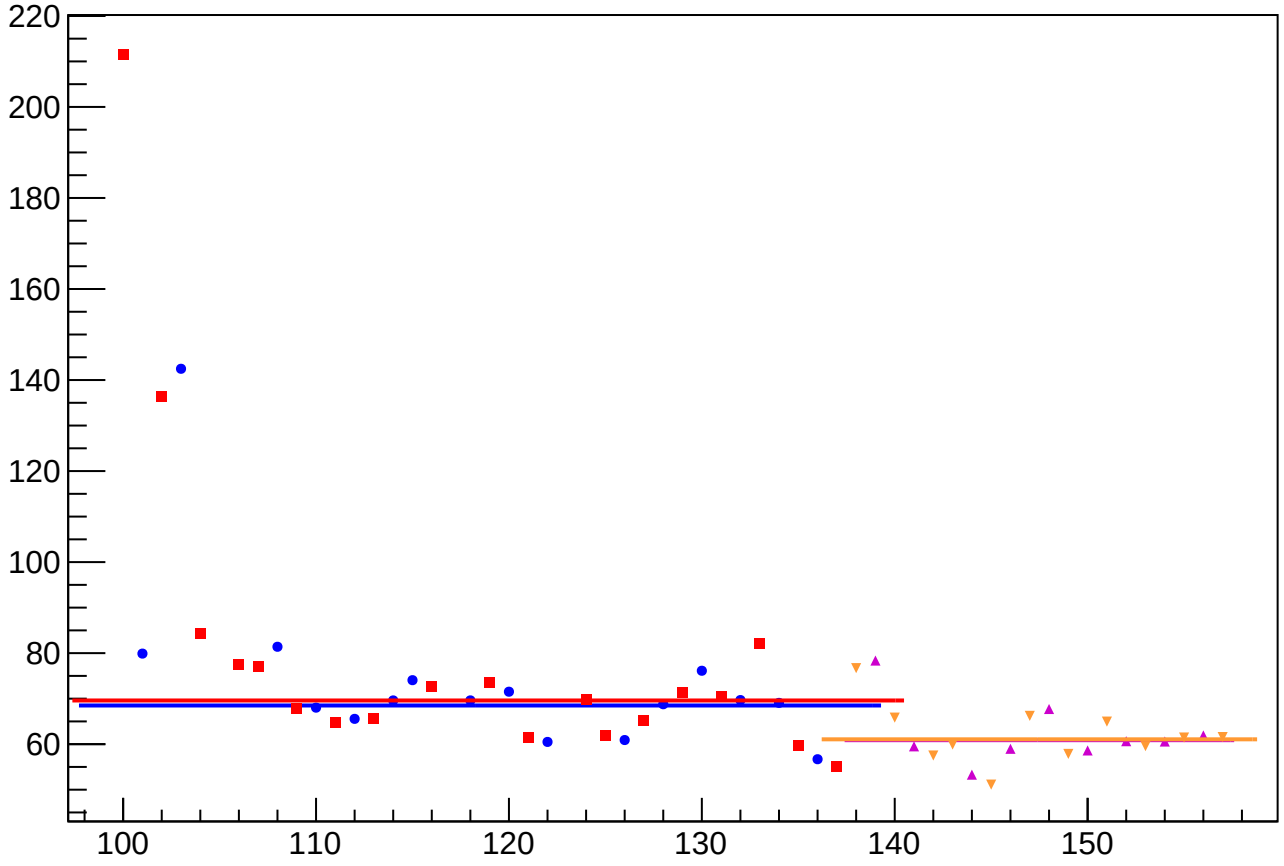
Left In: -62.738+/-21.948 χ^2/NDF:10.8/8

+ sign 26.452+/-16.362 χ^2/NDF: 33.1/26

All: -16.076+/-11.746 χ^2/NDF: 83.5/54

- sign -61.302+/-16.873 χ^2/NDF: 36.5/27

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.065+/-0.015 χ^2/NDF:157551.1/10

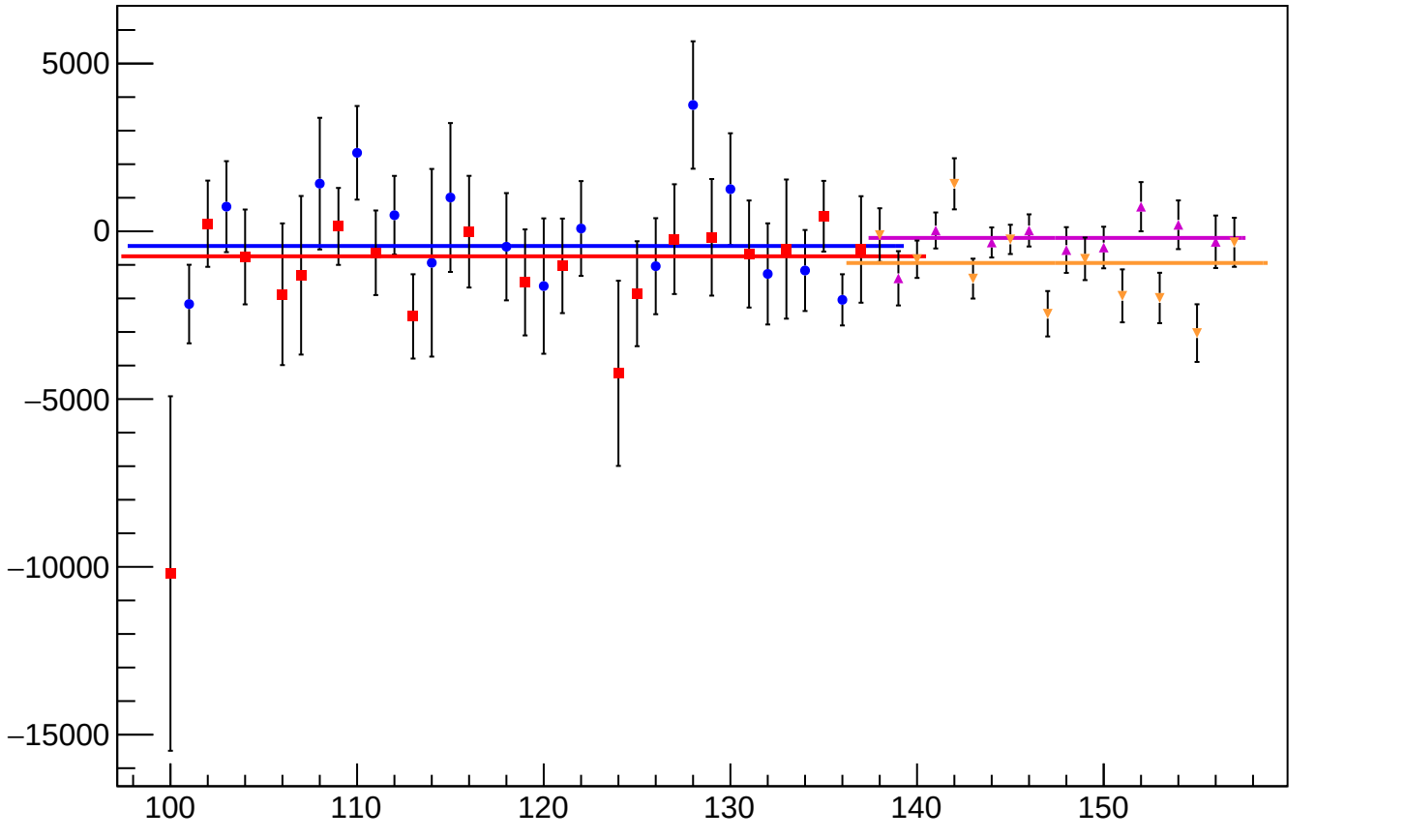
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.878+/-0.016 χ^2/NDF:142247.3/8

+ sign 63.961+/-0.012 χ^2/NDF: 727608.8/26

All: 64.196+/-0.008 χ^2/NDF: 1519690.2/54

- sign 64.445+/-0.012 χ^2/NDF: 791231.4/27



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -943.247+/-196.634 χ^2/NDF:29.1/10

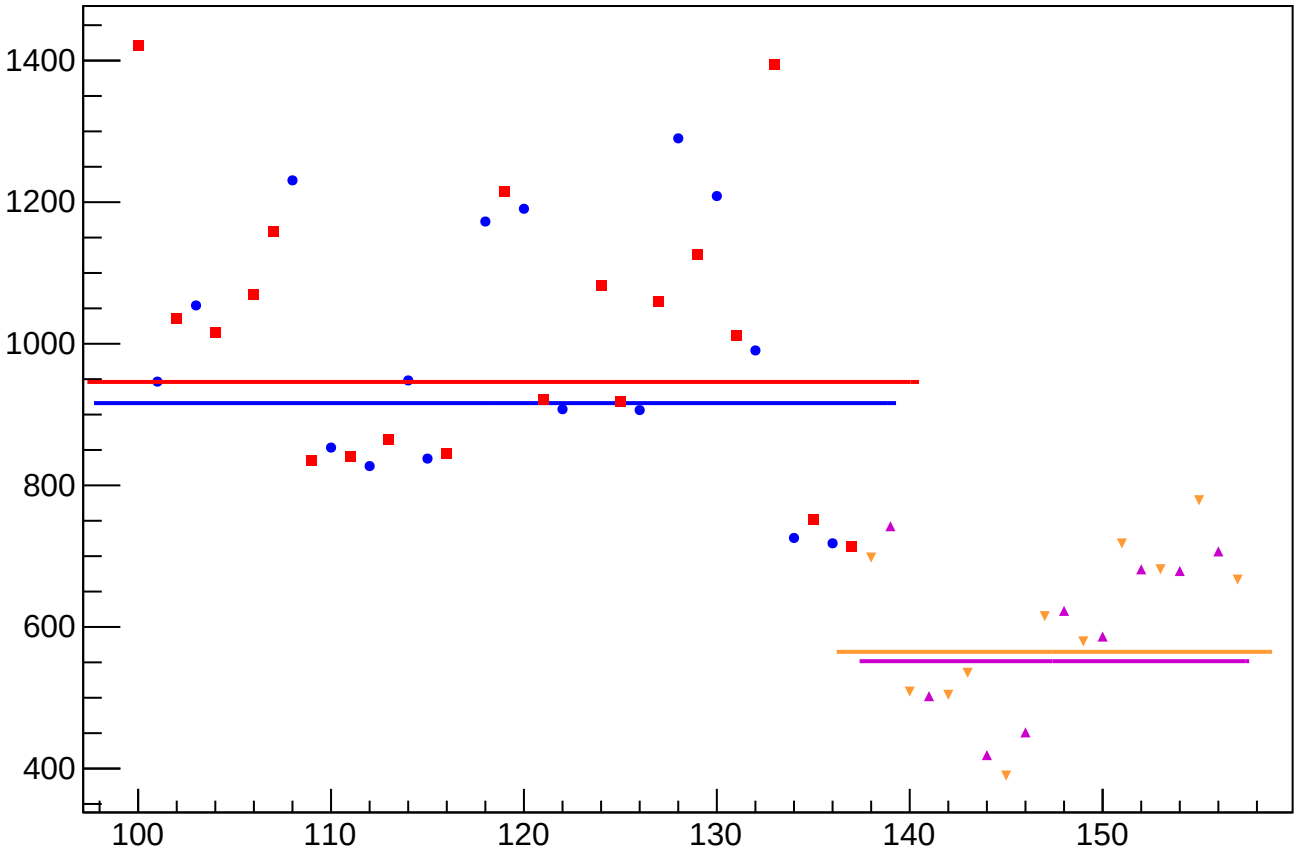
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -196.918+/-202.055 χ^2/NDF:5.1/8

+ sign -821.302+/-171.300 χ^2/NDF: 51.2/26

All: -582.339+/-122.558 χ^2/NDF: 73.0/54

- sign -331.742+/-175.420 χ^2/NDF: 17.8/27



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 564.888+/-0.139 χ^2/NDF:713271.7/10

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

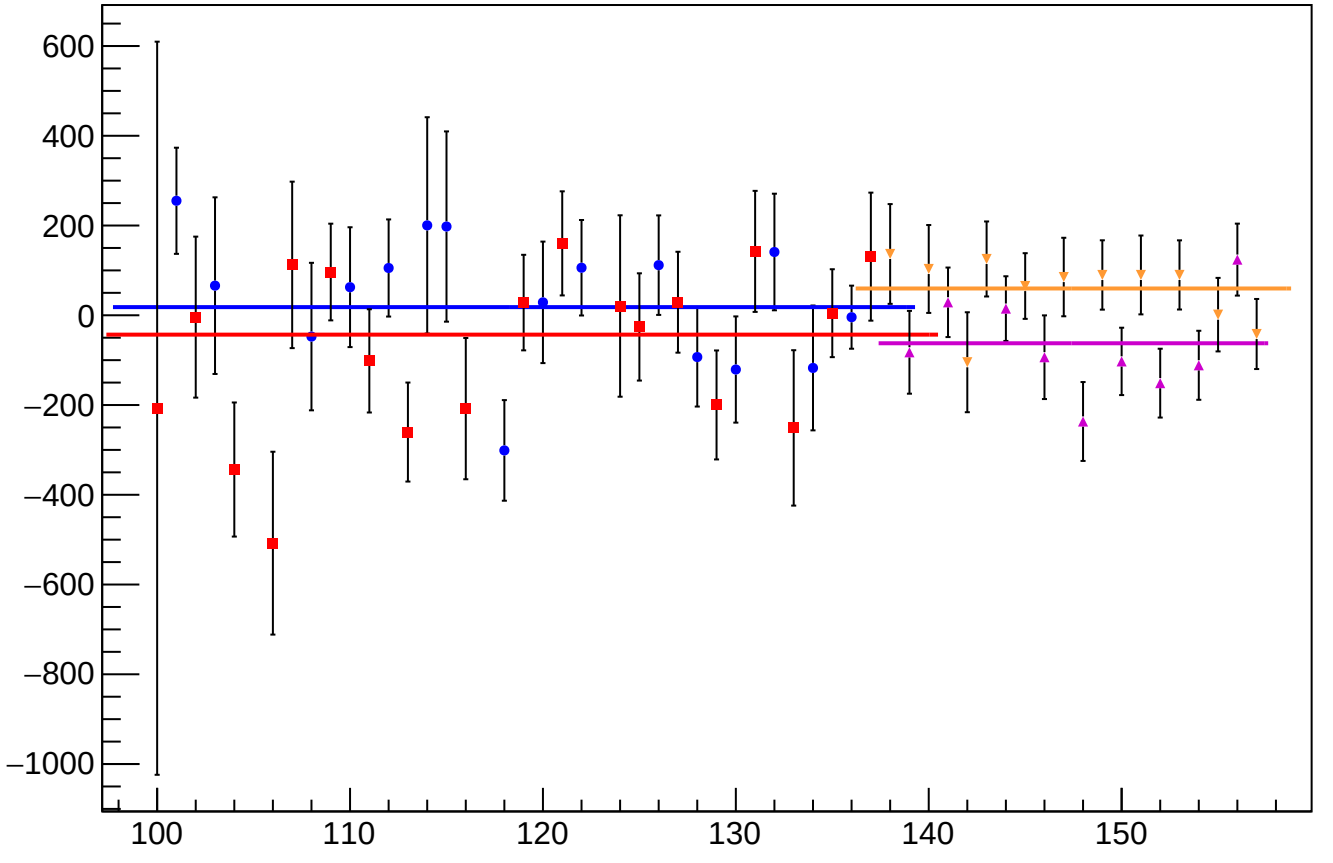
Left In: 551.678+/-0.143 χ^2/NDF:622300.8/8

+ sign 649.575+/-0.121 χ^2/NDF: 2761265.4/26

All: 649.202+/-0.087 χ^2/NDF: 5665729.7/54

- sign 648.810+/-0.124 χ^2/NDF: 2904444.9/27

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 59.695+/-25.779 χ^2/NDF:6.2/10

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

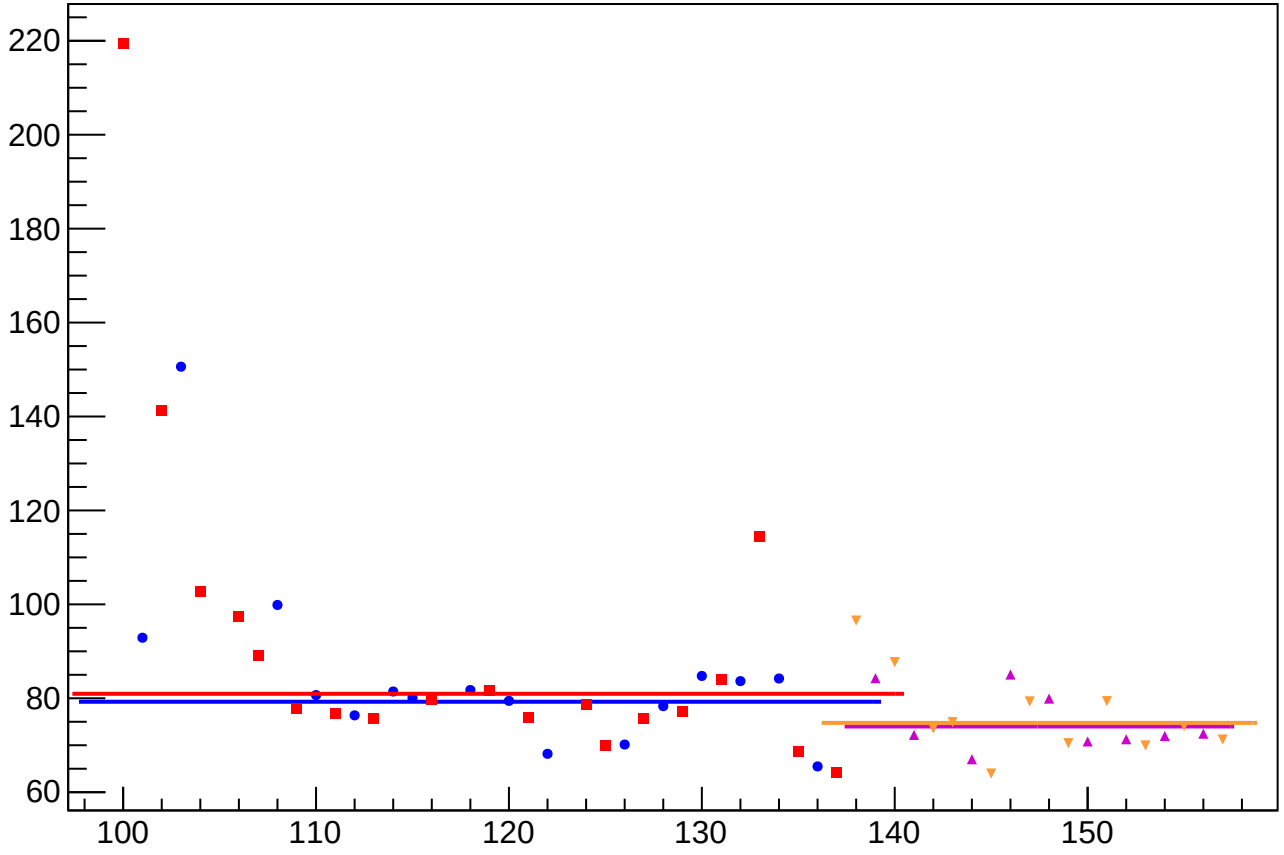
Left In: -62.365+/-26.790 χ^2/NDF:14.1/8

+ sign 42.292+/-19.647 χ^2/NDF: 27.4/26

All: -4.577+/-14.080 χ^2/NDF: 81.1/54

- sign -54.058+/-20.187 χ^2/NDF: 42.0/27

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 74.765+/-0.018 χ^2/NDF:184714.5/10

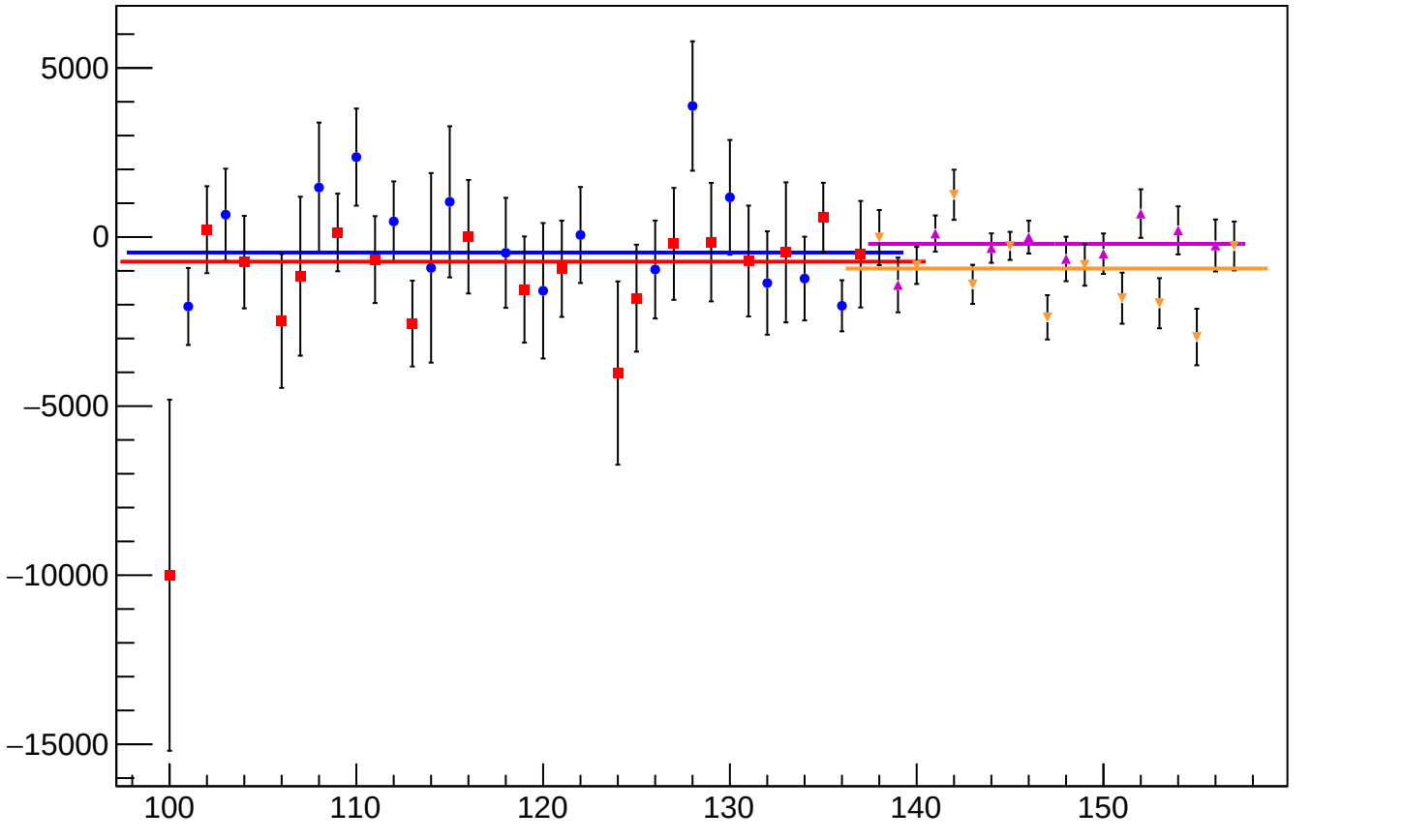
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.996+/-0.019 χ^2/NDF:90152.9/8

+ sign 76.651+/-0.014 χ^2/NDF: 655183.2/26

All: 76.823+/-0.010 χ^2/NDF: 1318215.6/54

- sign 77.005+/-0.014 χ^2/NDF: 662715.8/27



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -930.006+/-191.200 χ^2/NDF:28.0/10

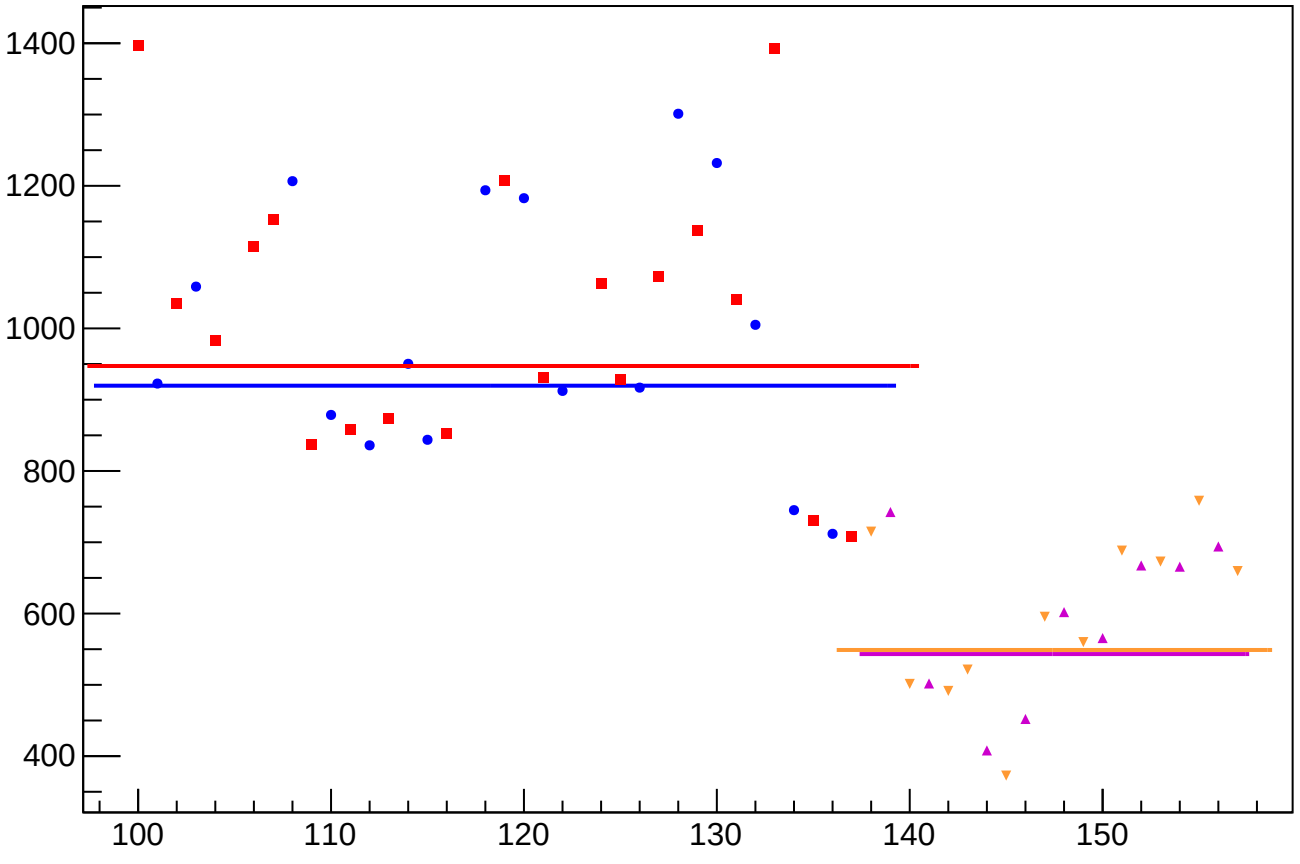
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: -201.880+/-199.032 χ^2/NDF:5.4/8

\+ sign -821.582+/-167.803 χ^2/NDF: 49.7/26

All: -583.357+/-120.559 χ^2/NDF: 72.5/54

\- sign -329.204+/-173.322 χ^2/NDF: 18.6/27



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 548.915+/-0.135 χ^2/NDF:781946.0/10

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

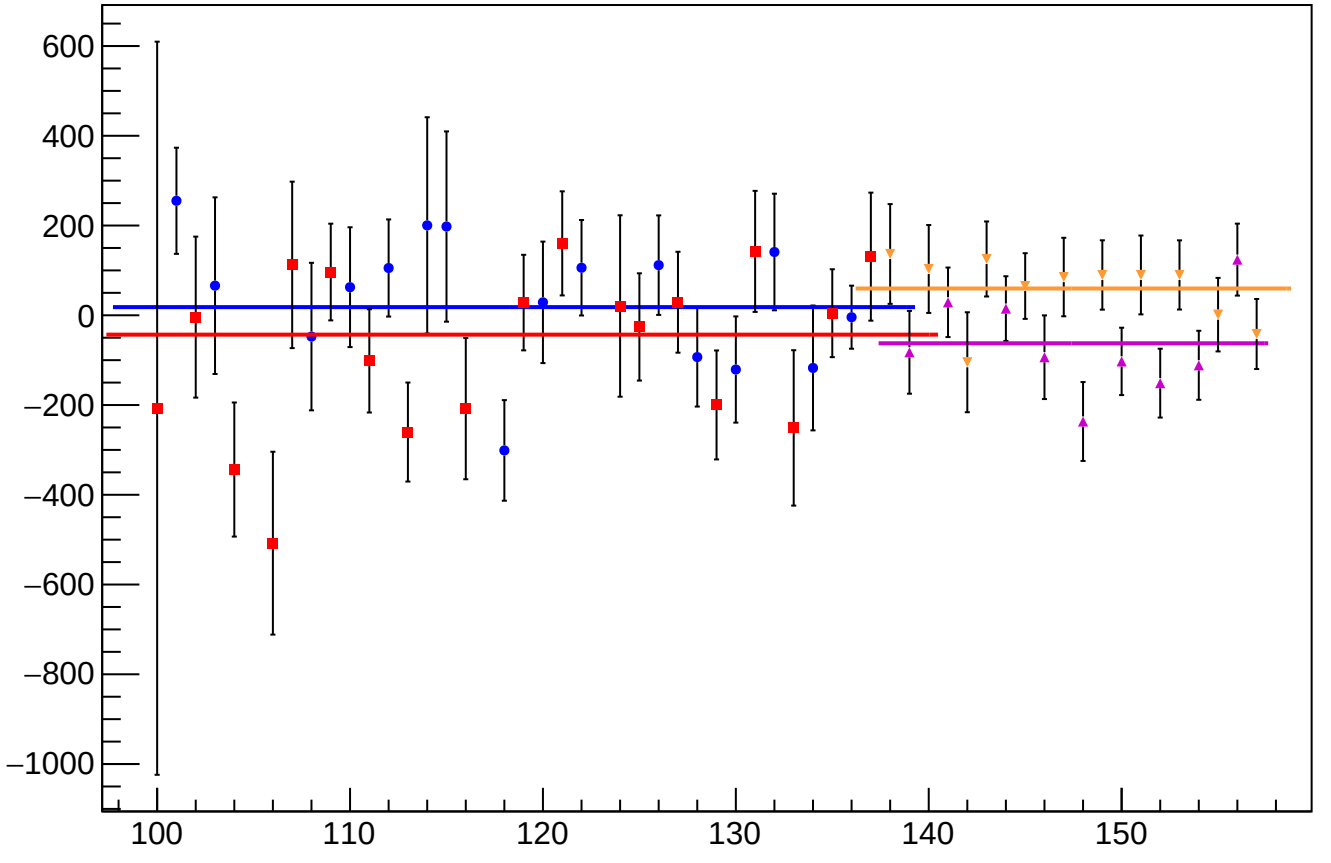
Left In: 543.174+/-0.141 χ^2/NDF:611219.7/8

+ sign 634.093+/-0.119 χ^2/NDF: 3024950.5/26

All: 637.352+/-0.085 χ^2/NDF: 6055642.0/54

- sign 640.830+/-0.123 χ^2/NDF: 3029132.0/27

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 59.695+/-25.779 χ^2/NDF:6.2/10

Right Out: -43.144+/-30.707 χ^2/NDF: 27.7/18

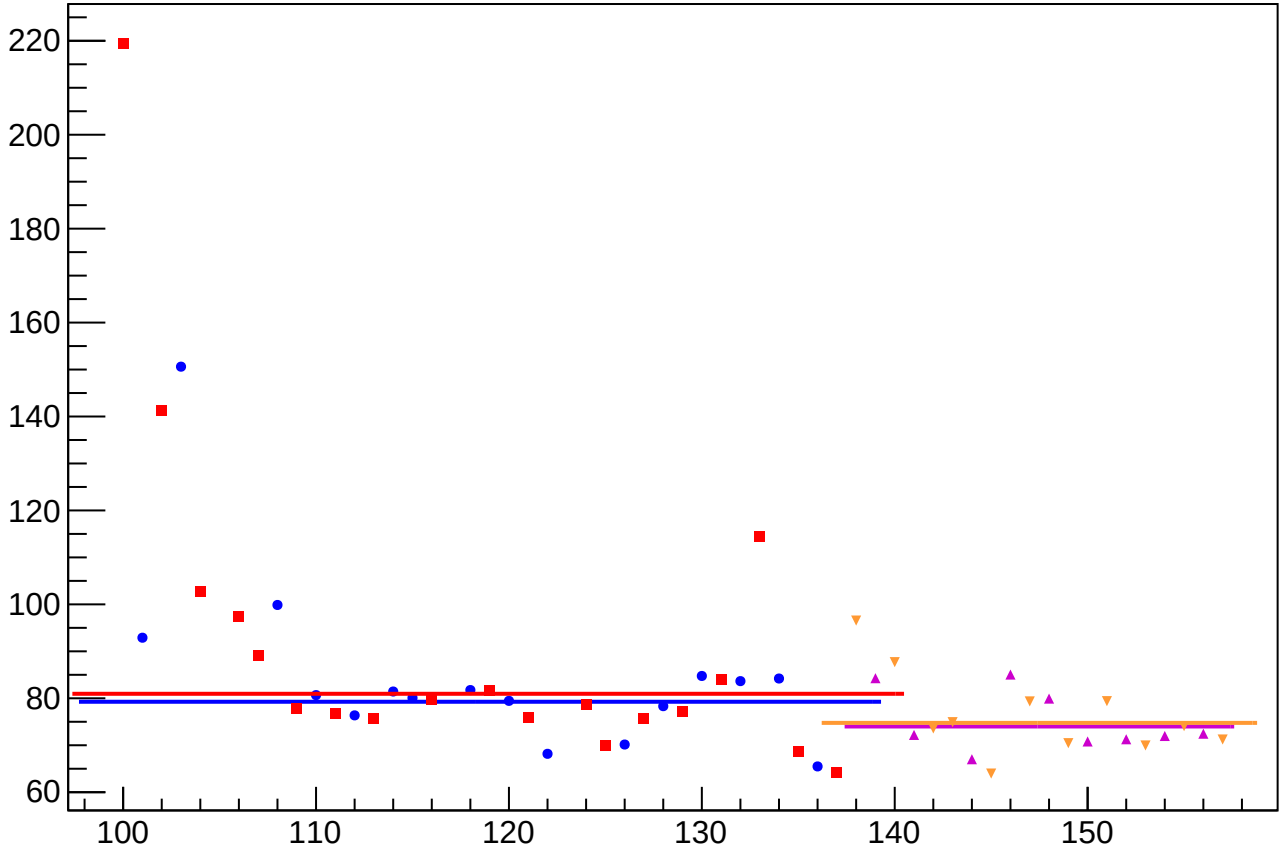
Left In: -62.365+/-26.790 χ^2/NDF:14.1/8

+ sign 42.292+/-19.647 χ^2/NDF: 27.4/26

All: -4.577+/-14.080 χ^2/NDF: 81.1/54

- sign -54.058+/-20.187 χ^2/NDF: 42.0/27

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 74.766+/-0.018 χ^2/NDF:184707.0/10

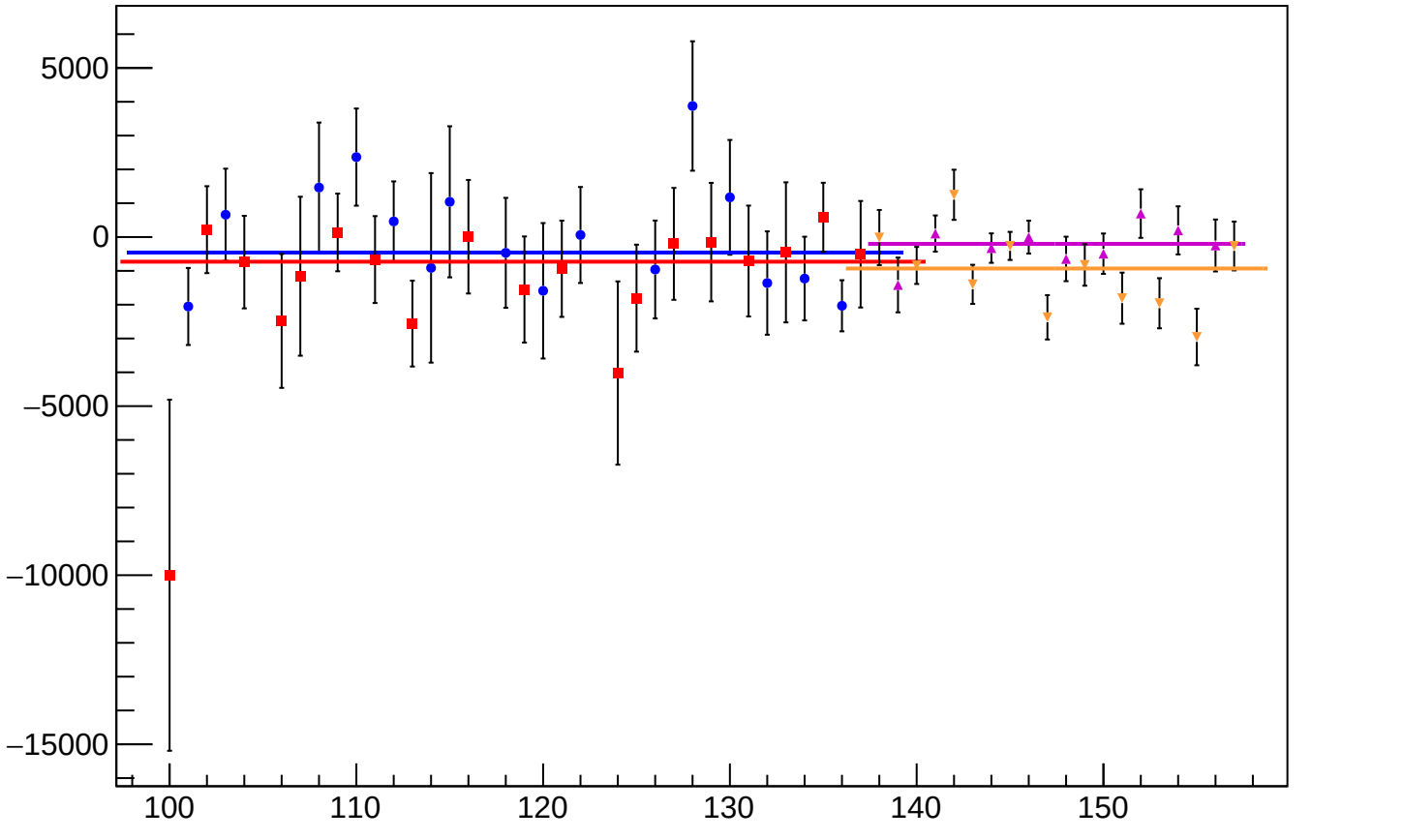
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.996+/-0.019 χ^2/NDF:90150.9/8

+ sign 76.651+/-0.014 χ^2/NDF: 655165.7/26

All: 76.823+/-0.010 χ^2/NDF: 1318195.1/54

- sign 77.005+/-0.014 χ^2/NDF: 662712.9/27



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -930.006+/-191.200 χ^2/NDF:28.0/10

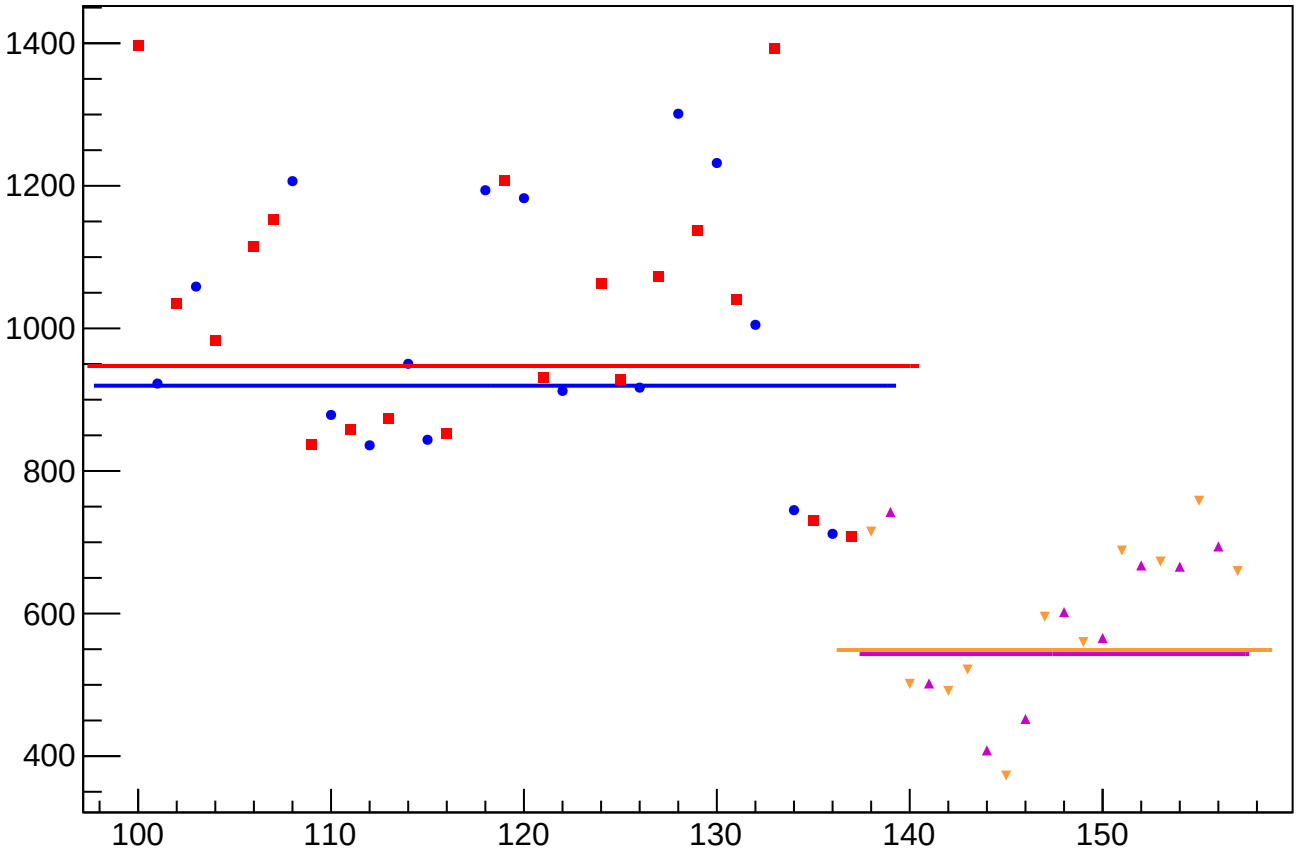
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -201.879+/-199.032 χ^2/NDF:5.4/8

+ sign -821.581+/-167.803 χ^2/NDF: 49.7/26

All: -583.356+/-120.559 χ^2/NDF: 72.5/54

- sign -329.204+/-173.322 χ^2/NDF: 18.6/27



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 548.914+/-0.135 χ^2/NDF:781950.5/10

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

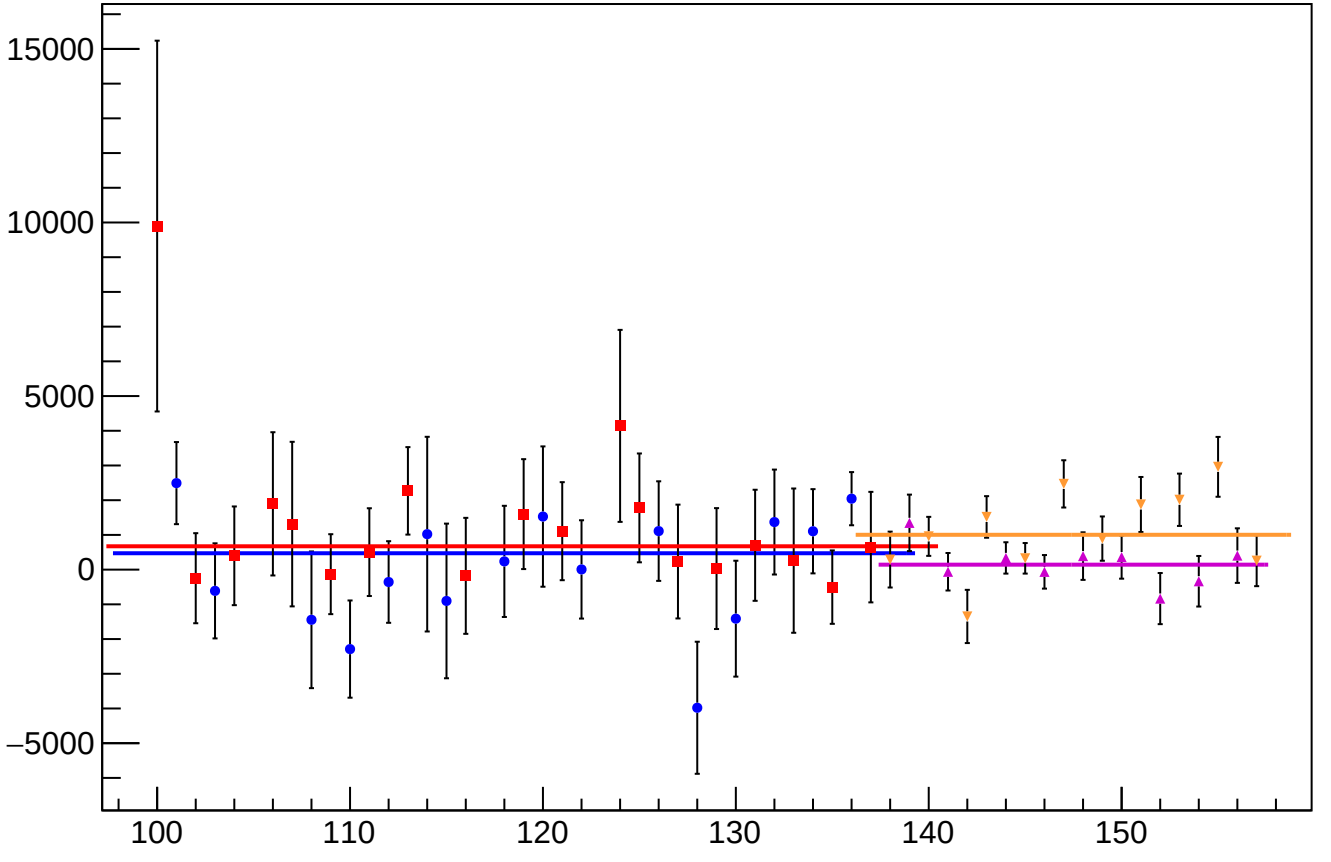
Left In: 543.174+/-0.141 χ^2/NDF:611219.4/8

+ sign 634.092+/-0.119 χ^2/NDF: 3024951.6/26

All: 637.351+/-0.085 χ^2/NDF: 6055635.8/54

- sign 640.829+/-0.123 χ^2/NDF: 3029124.5/27

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1003.497+/-197.896 χ^2/NDF:27.2/10

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

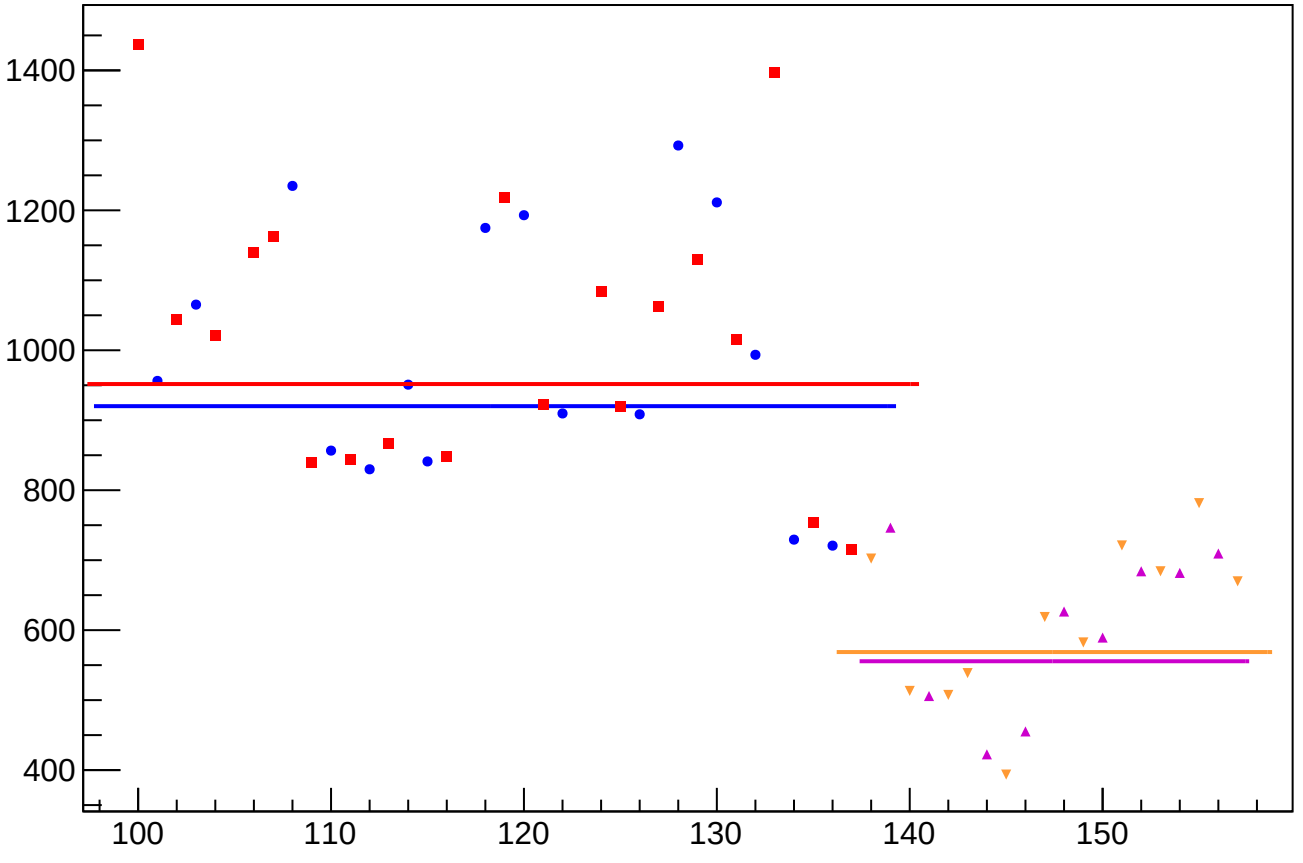
Left In: 142.899+/-203.400 χ^2/NDF:5.3/8

+ sign 874.954+/-172.311 χ^2/NDF: 50.4/26

All: 581.597+/-123.271 χ^2/NDF: 73.6/54

- sign 274.068+/-176.424 χ^2/NDF: 17.2/27

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 568.719+/-0.140 χ^2/NDF:701351.9/10

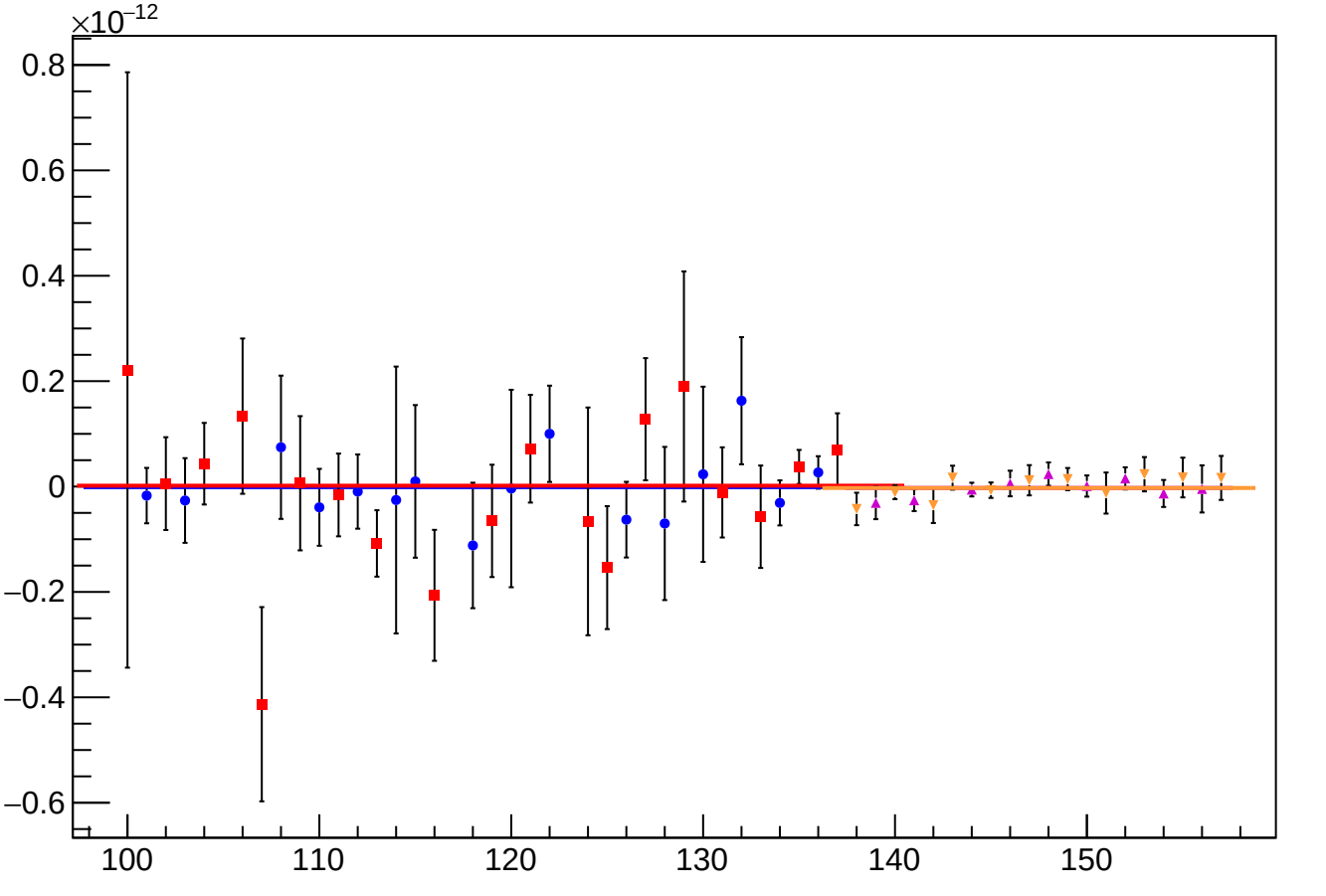
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 555.557+/-0.144 χ^2/NDF:611839.7/8

+ sign 653.709+/-0.122 χ^2/NDF: 2735253.1/26

All: 653.691+/-0.087 χ^2/NDF: 5642280.8/54

- sign 653.672+/-0.125 χ^2/NDF: 2907027.7/27



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/10

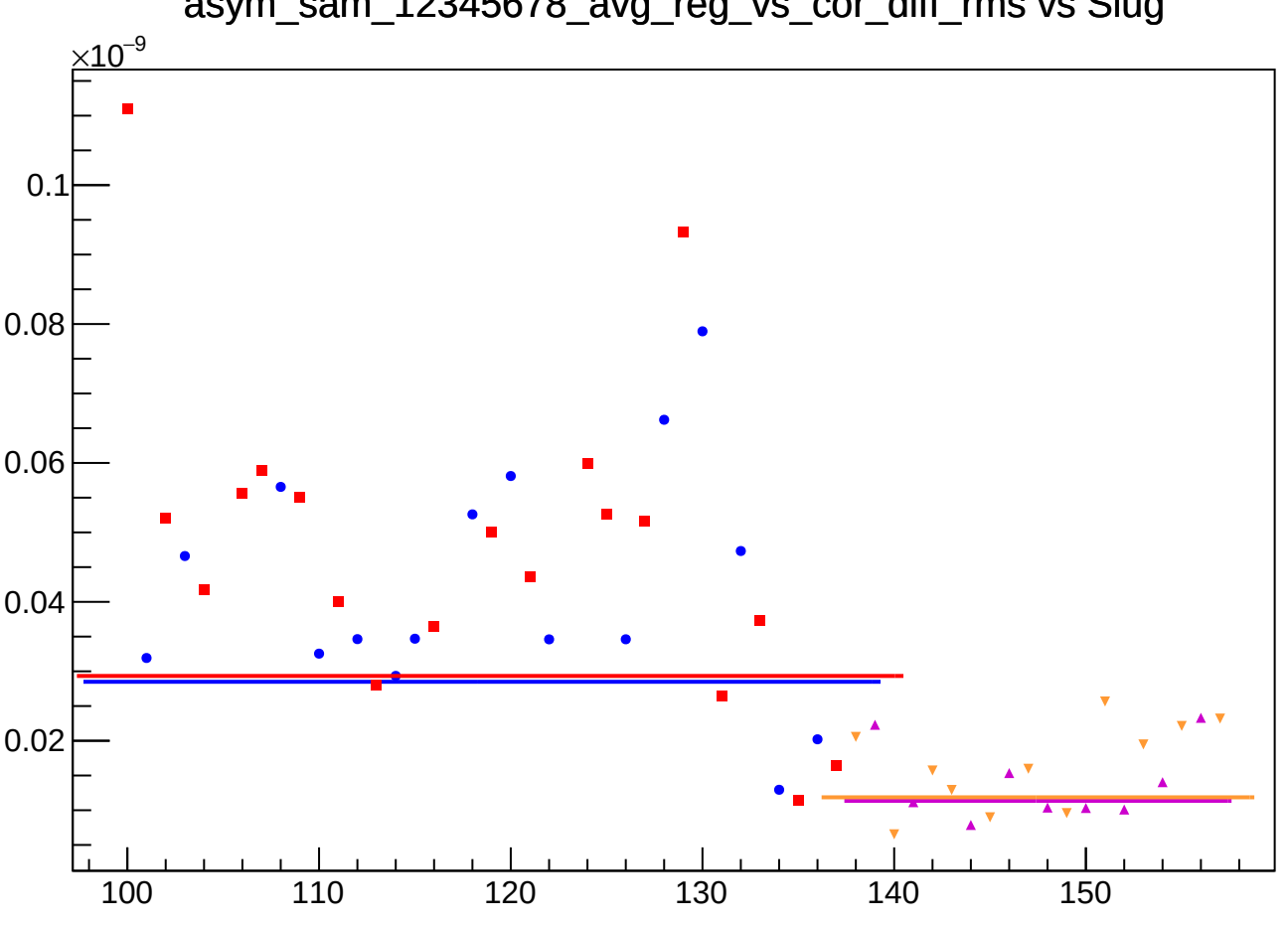
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/8

+ sign -0.000+/-0.000 χ^2/NDF: 12.9/26

All: -0.000+/-0.000 χ^2/NDF: 37.0/54

- sign -0.000+/-0.000 χ^2/NDF: 24.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1317893.6/10

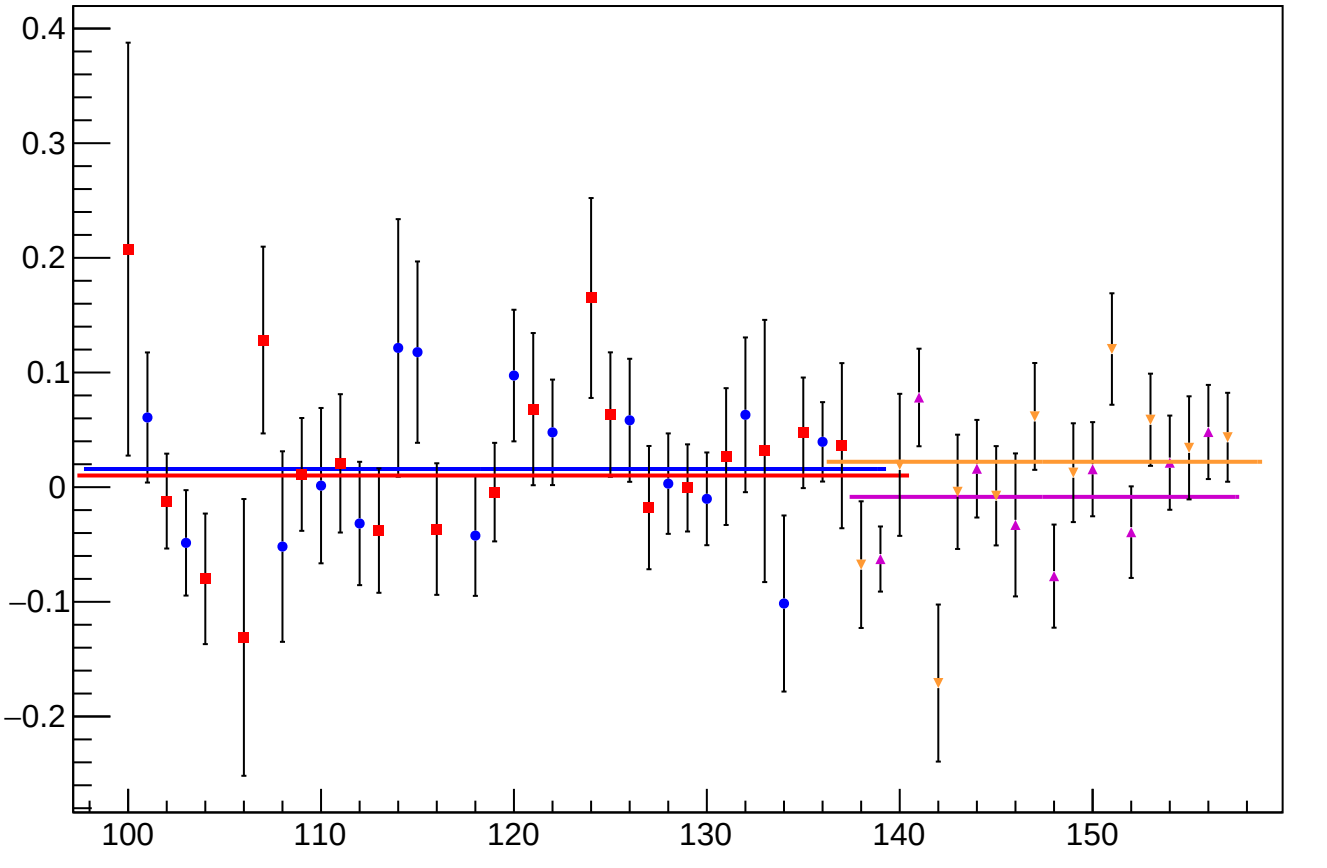
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:625301.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 3999059.4/26

All: 0.000+/-0.000 χ^2/NDF: 7811760.6/54

- sign 0.000+/-0.000 χ^2/NDF: 3805221.8/27



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

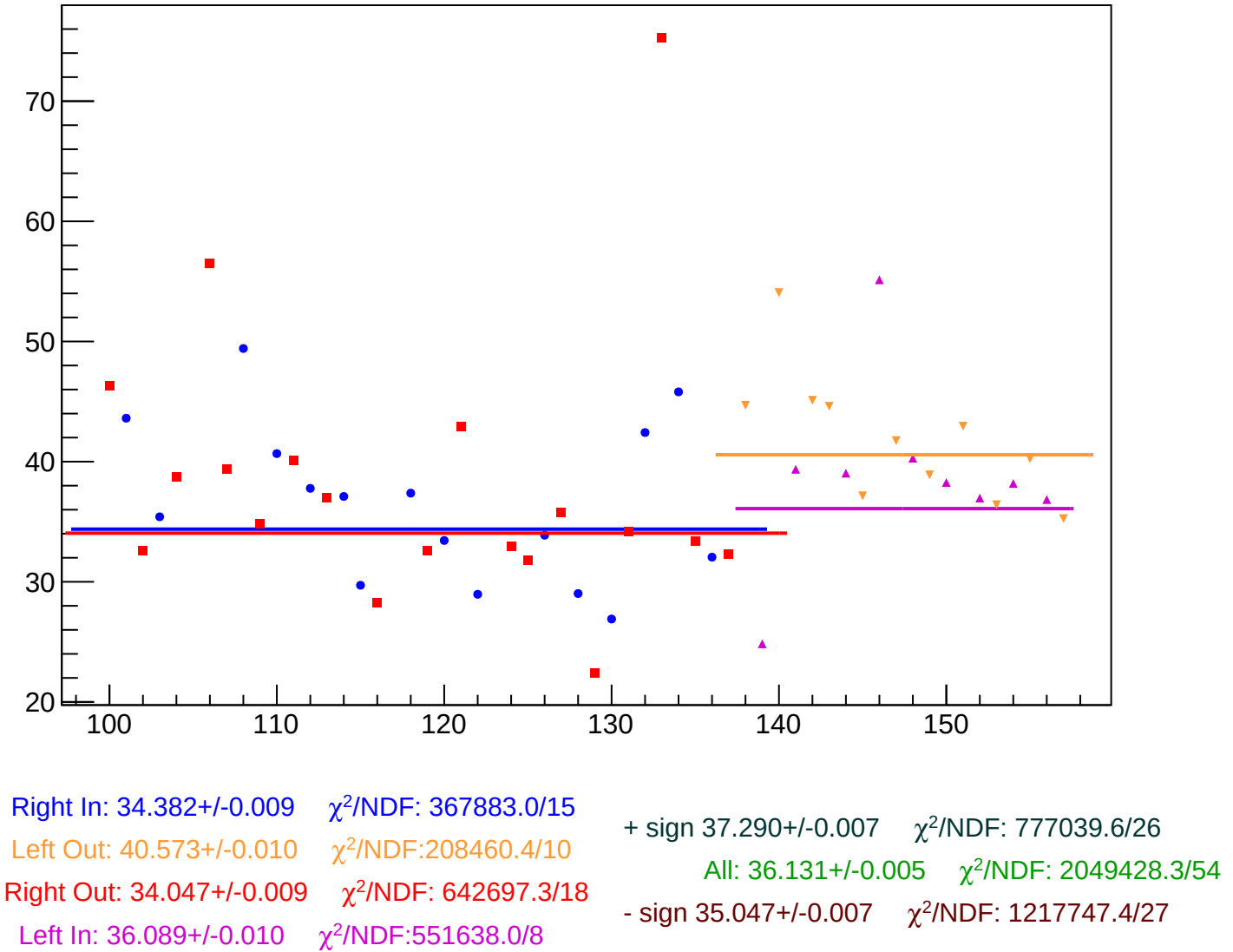
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

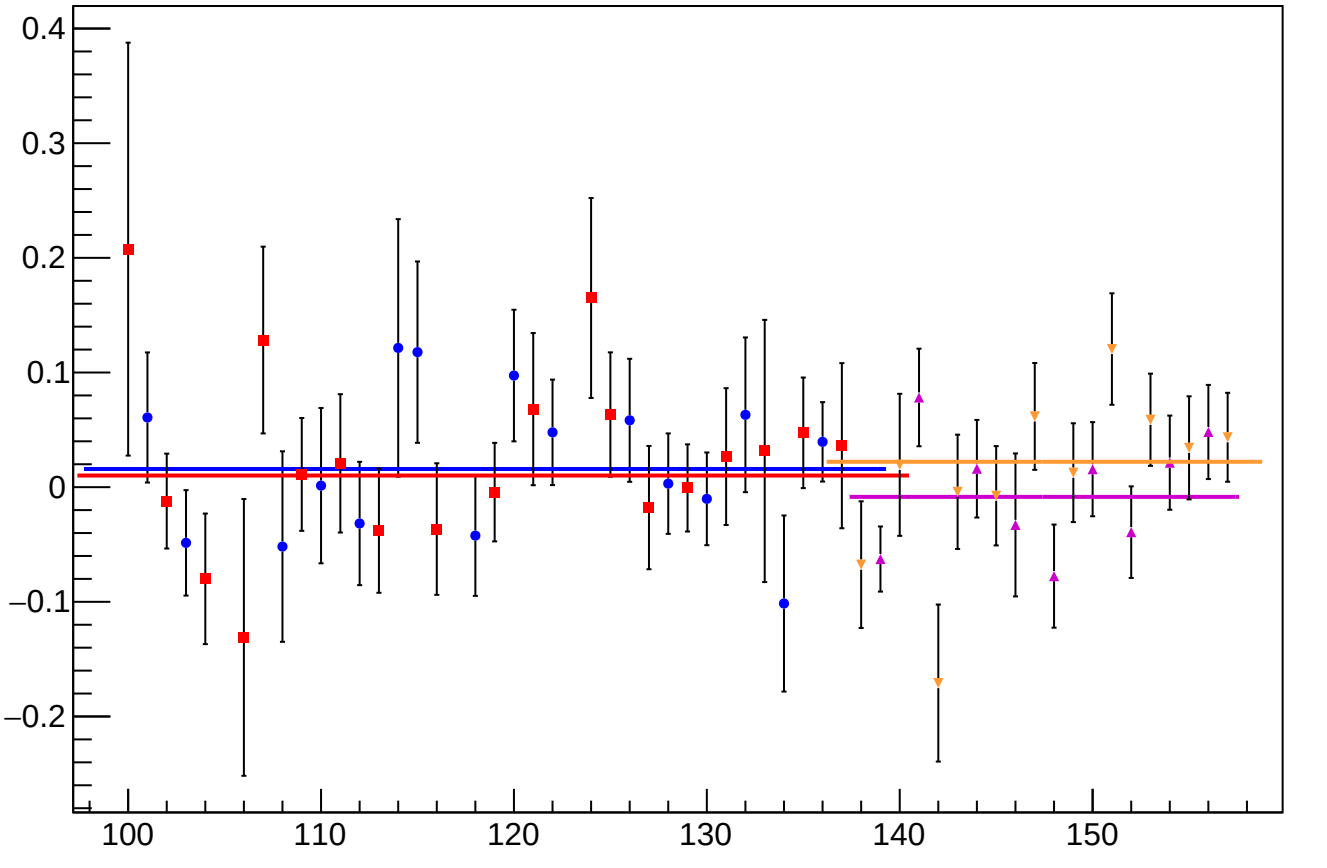
Left In: -0.008+/-0.013 χ^2/NDF:14.0/8

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.010+/-0.007 χ^2/NDF: 64.1/54

- sign 0.001+/-0.009 χ^2/NDF: 30.1/27


asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.382+/-0.009 χ²/NDF: 367883.0/15
Left Out: 40.573+/-0.010 χ²/NDF:208460.4/10
Right Out: 34.047+/-0.009 χ²/NDF: 642697.3/18
Left In: 36.089+/-0.010 χ²/NDF:551638.0/8
+ sign 37.290+/-0.007 χ²/NDF: 777039.6/26
All: 36.131+/-0.005 χ²/NDF: 2049428.3/54
- sign 35.047+/-0.007 χ²/NDF: 1217747.4/27



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

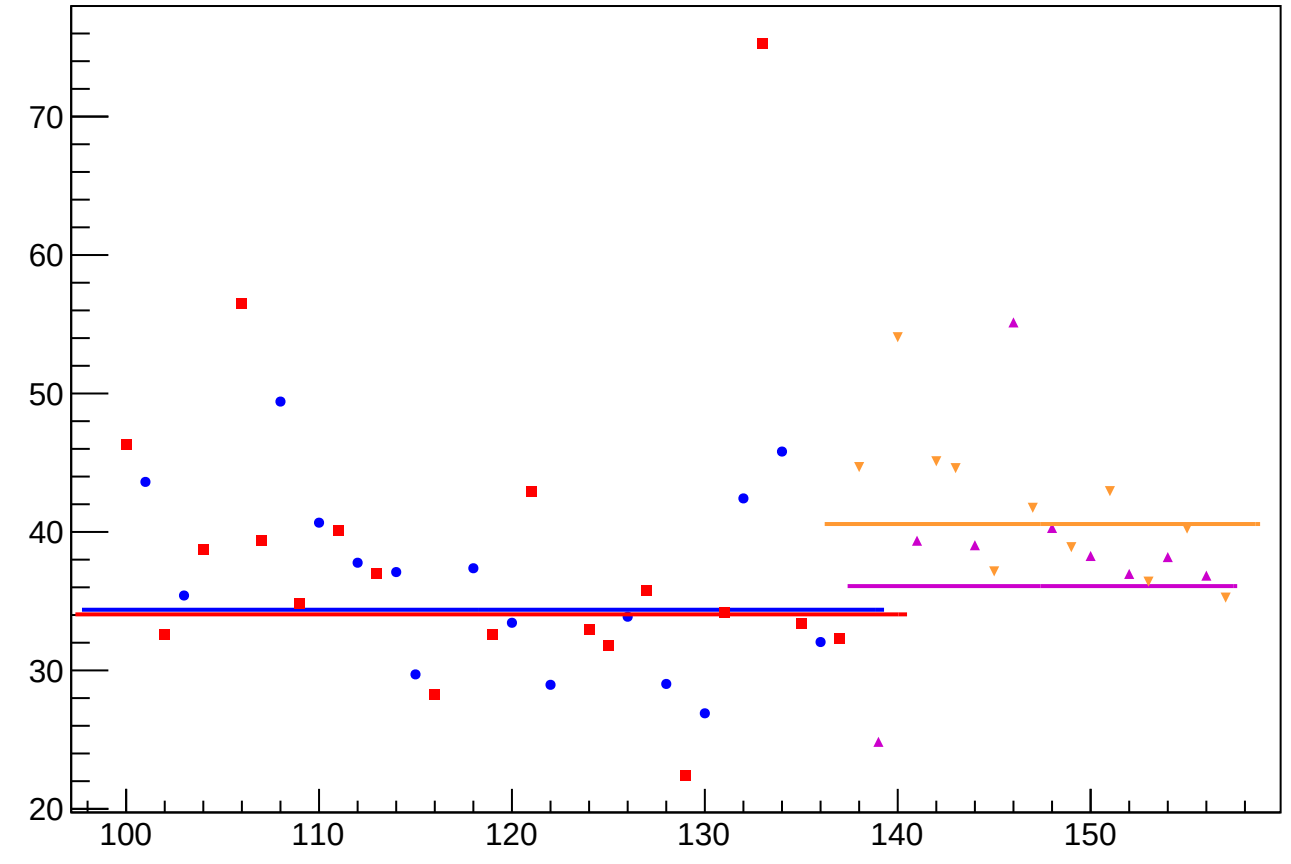
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.008+/-0.013 χ^2/NDF:14.0/8

+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

All: 0.010+/-0.007 χ^2/NDF: 64.1/54

- sign 0.001+/-0.009 χ^2/NDF: 30.1/27



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 40.573+/-0.010 χ^2/NDF:208460.4/10

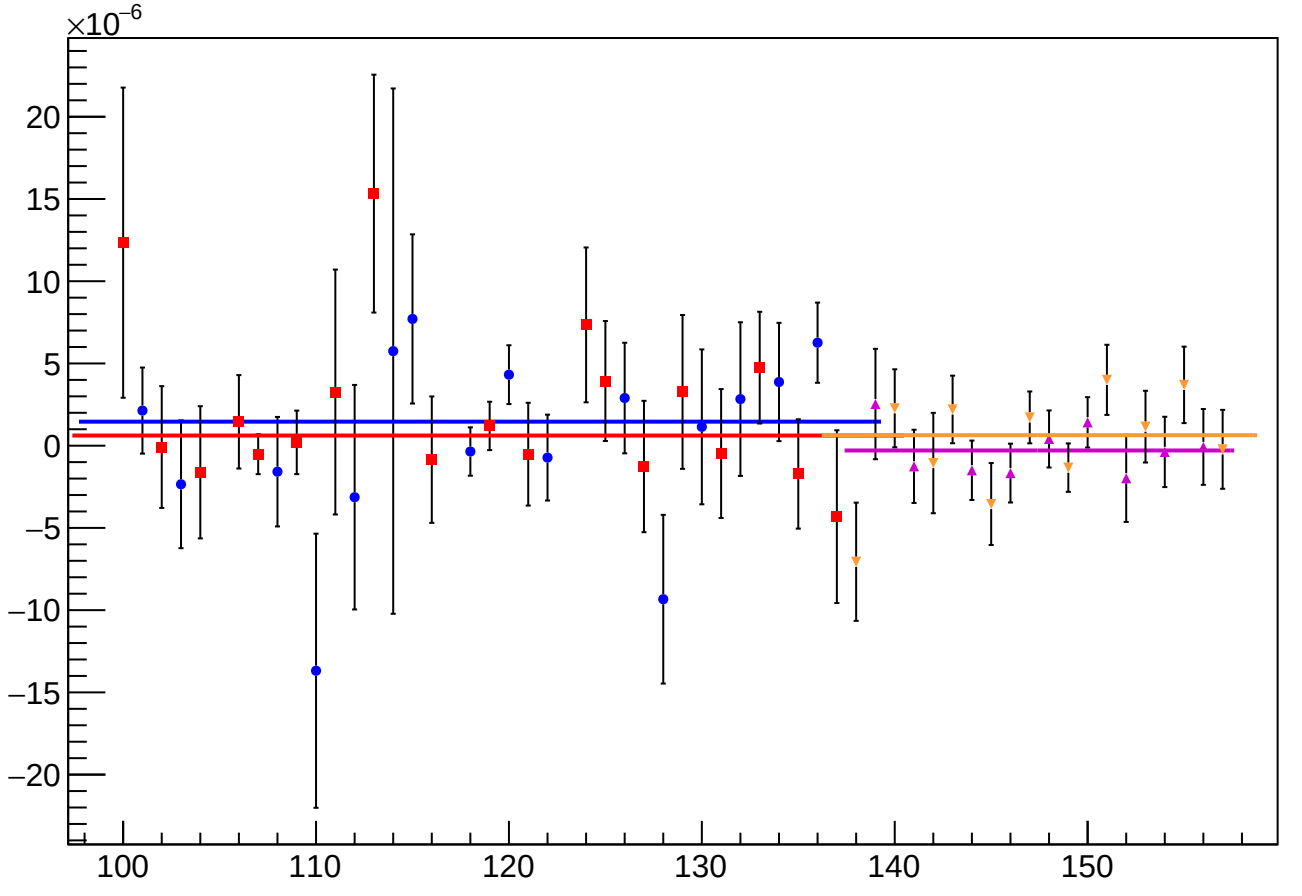
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 36.089+/-0.010 χ^2/NDF:551638.0/8

+ sign 37.290+/-0.007 χ^2/NDF: 777039.6/26

All: 36.131+/-0.005 χ^2/NDF: 2049428.3/54

- sign 35.047+/-0.007 χ^2/NDF: 1217747.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/10

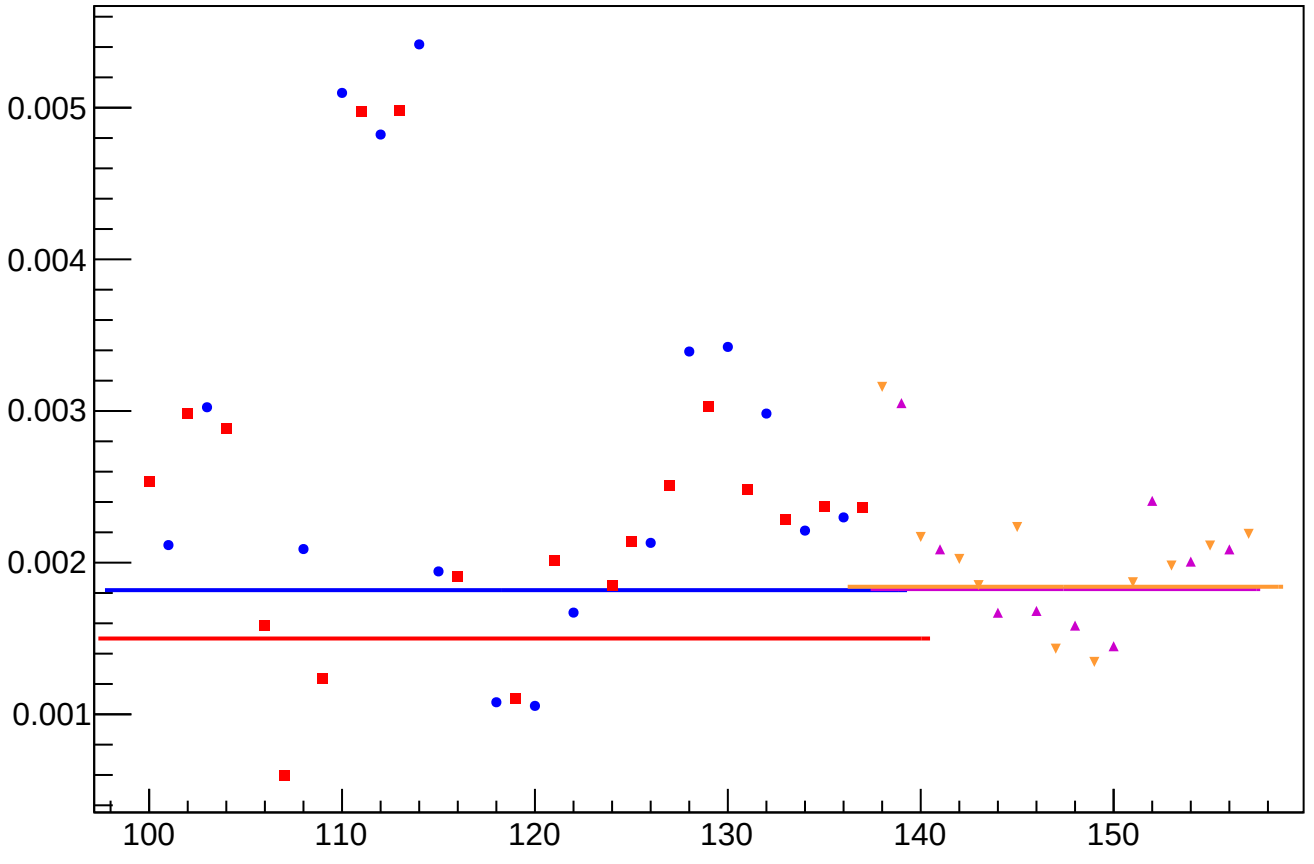
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/8

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/26

All: 0.000+/-0.000 χ^2/NDF: 57.2/54

- sign 0.000+/-0.000 χ^2/NDF: 18.6/27



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:803427.5/10

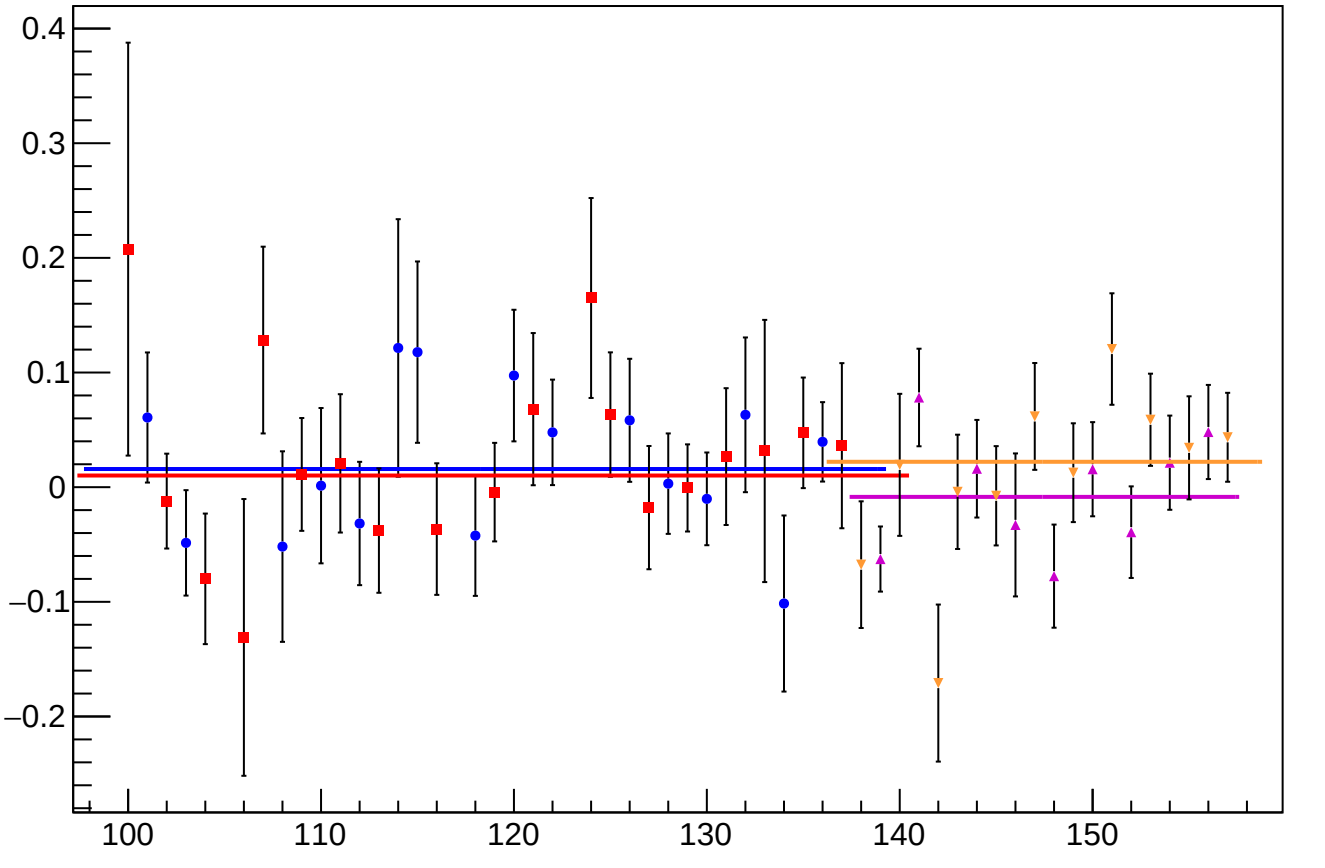
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:618721.3/8

+ sign 0.002+/-0.000 χ^2/NDF: 3374703.3/26

All: 0.002+/-0.000 χ^2/NDF: 8061820.9/54

- sign 0.002+/-0.000 χ^2/NDF: 4552687.3/27



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.022+/-0.014 χ^2/NDF:17.4/10

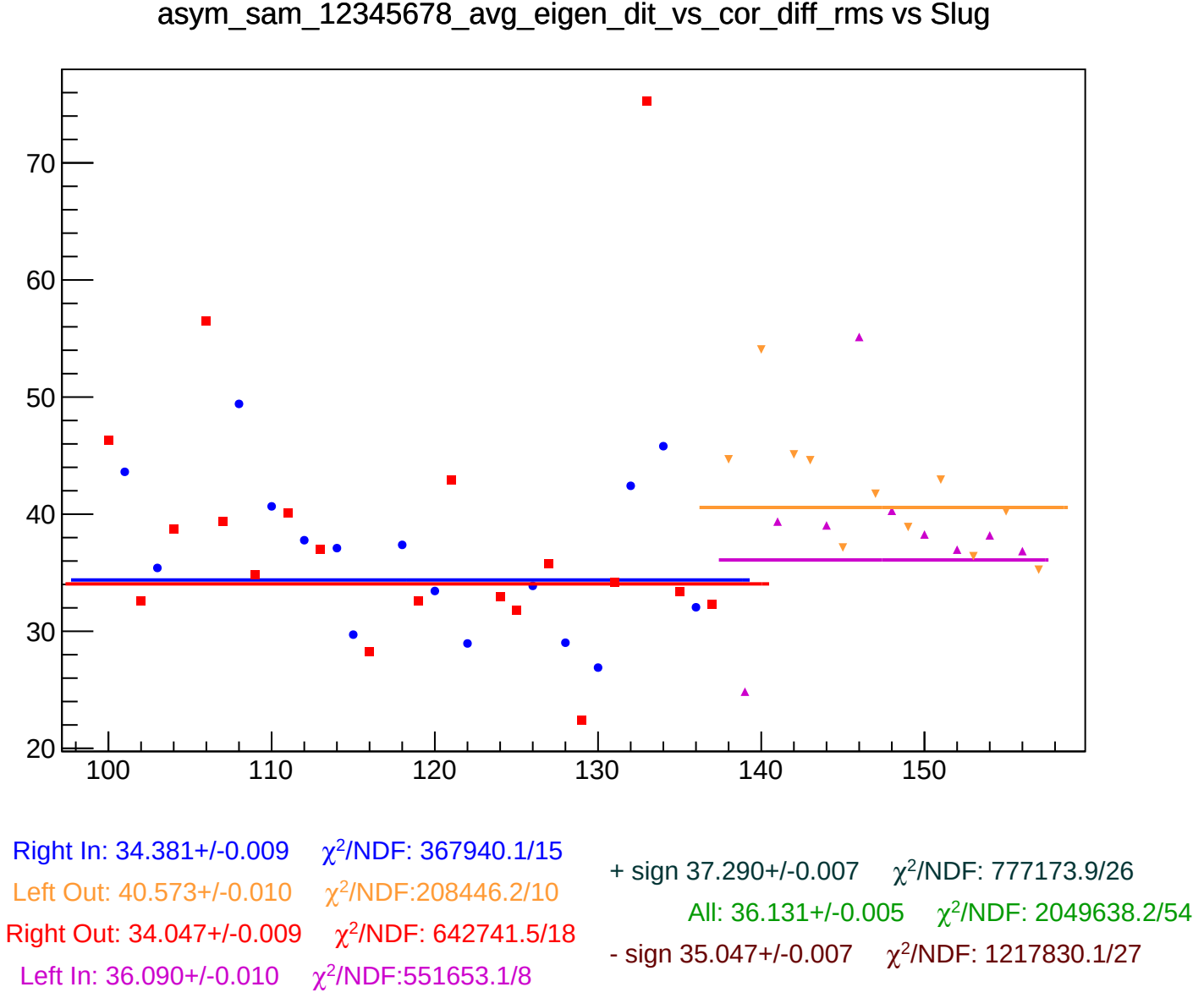
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

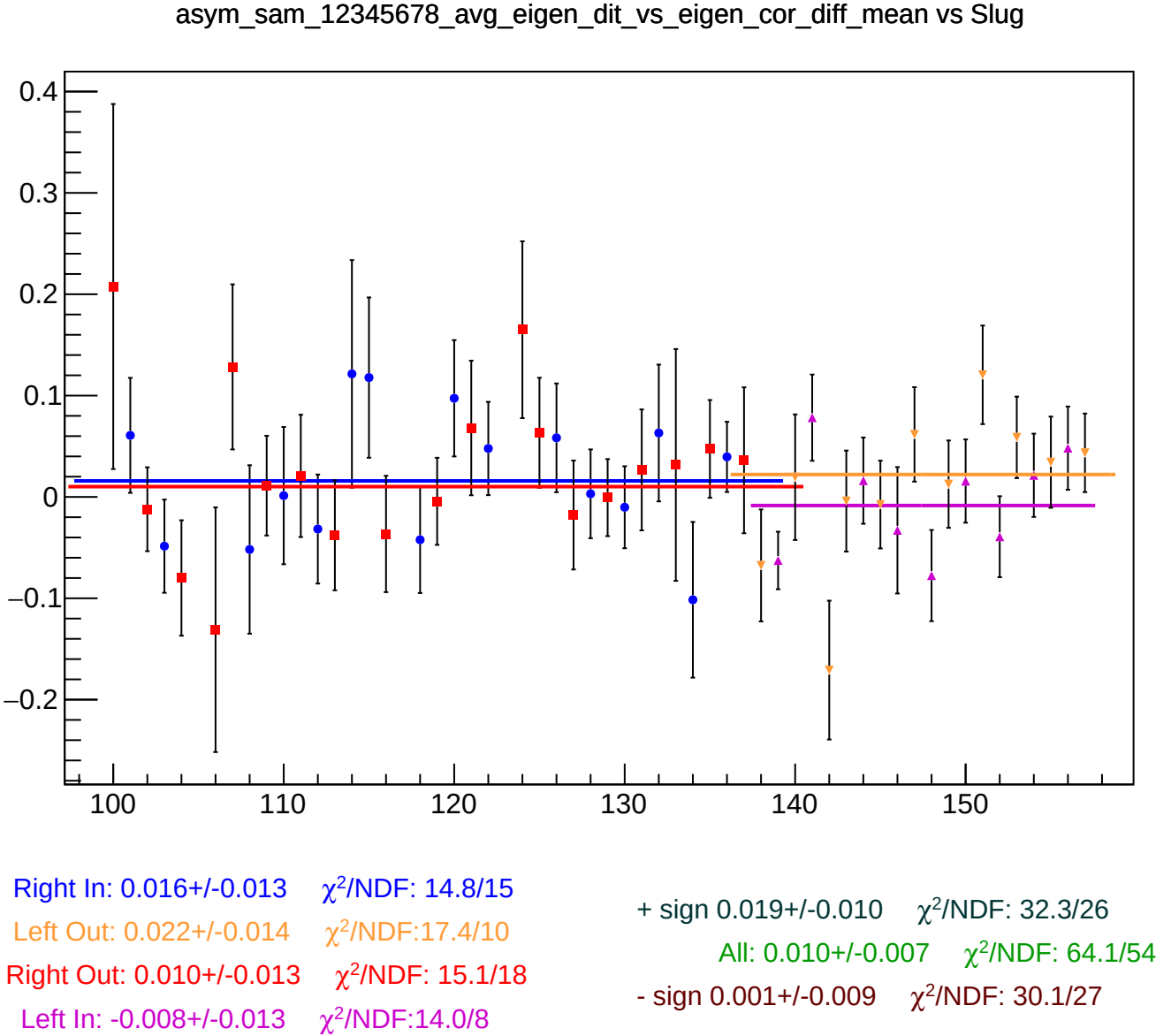
Left In: -0.008+/-0.013 χ^2/NDF:14.0/8

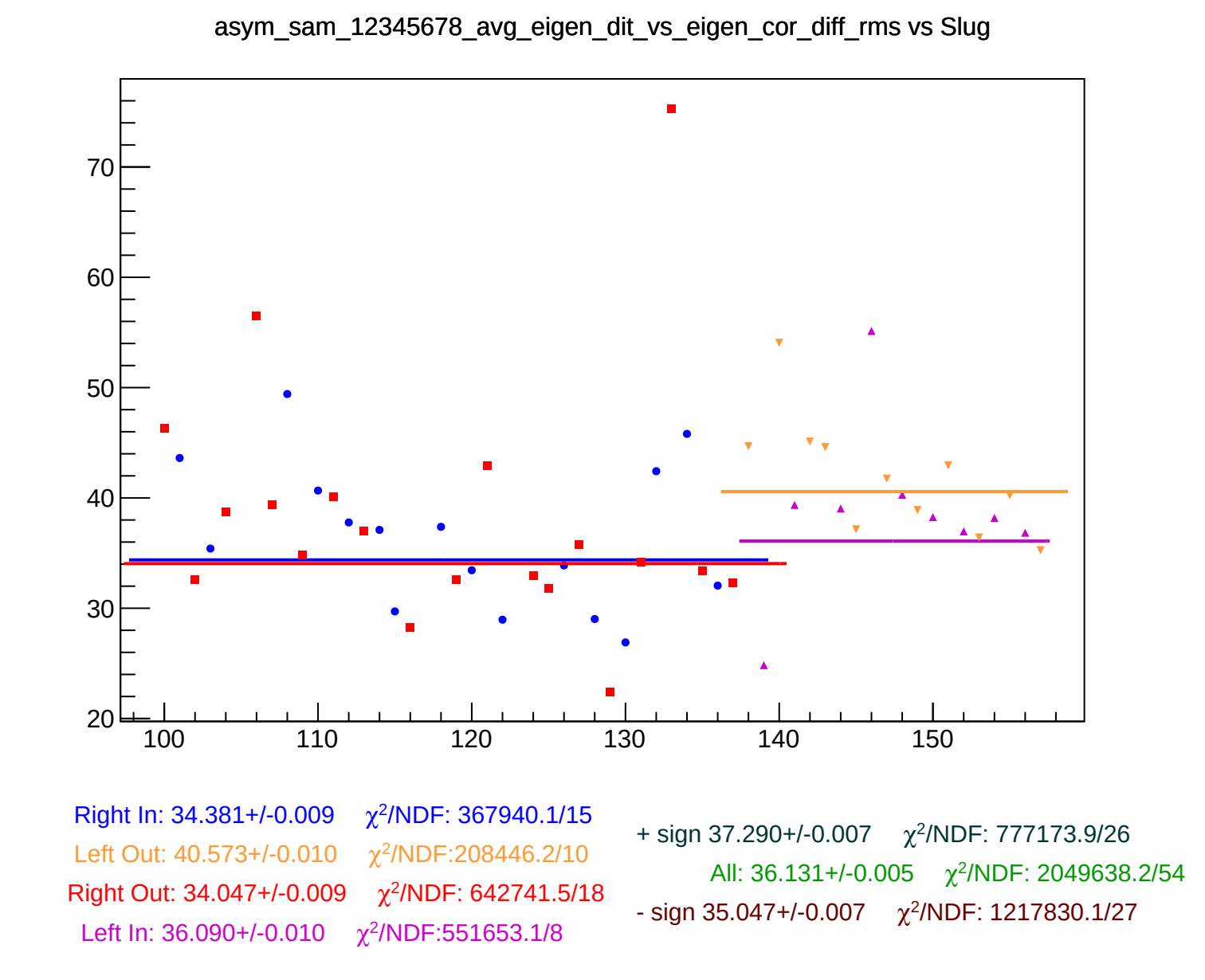
+ sign 0.019+/-0.010 χ^2/NDF: 32.3/26

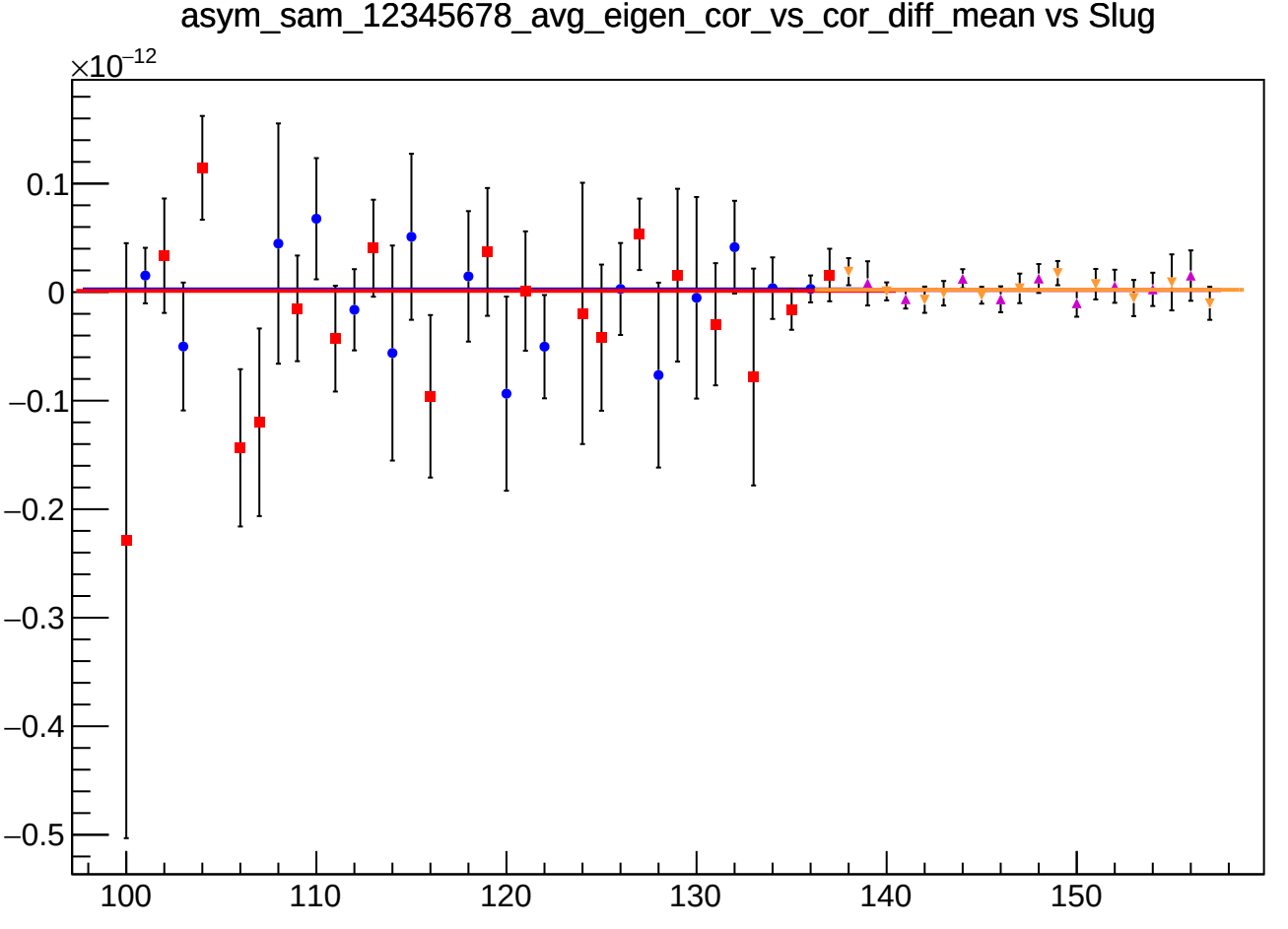
All: 0.010+/-0.007 χ^2/NDF: 64.1/54

- sign 0.001+/-0.009 χ^2/NDF: 30.1/27


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 40.573+/-0.010 χ²/NDF:208446.2/10
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 36.090+/-0.010 χ²/NDF:551653.1/8
+ sign 37.290+/-0.007 χ²/NDF: 777173.9/26
All: 36.131+/-0.005 χ²/NDF: 2049638.2/54
- sign 35.047+/-0.007 χ²/NDF: 1217830.1/27


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.022+/-0.014 χ²/NDF:17.4/10
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: -0.008+/-0.013 χ²/NDF:14.0/8
+ sign 0.019+/-0.010 χ²/NDF: 32.3/26
All: 0.010+/-0.007 χ²/NDF: 64.1/54
- sign 0.001+/-0.009 χ²/NDF: 30.1/27


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 40.573+/-0.010 χ²/NDF:208446.2/10
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 36.090+/-0.010 χ²/NDF:551653.1/8
+ sign 37.290+/-0.007 χ²/NDF: 777173.9/26
All: 36.131+/-0.005 χ²/NDF: 2049638.2/54
- sign 35.047+/-0.007 χ²/NDF: 1217830.1/27



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/10

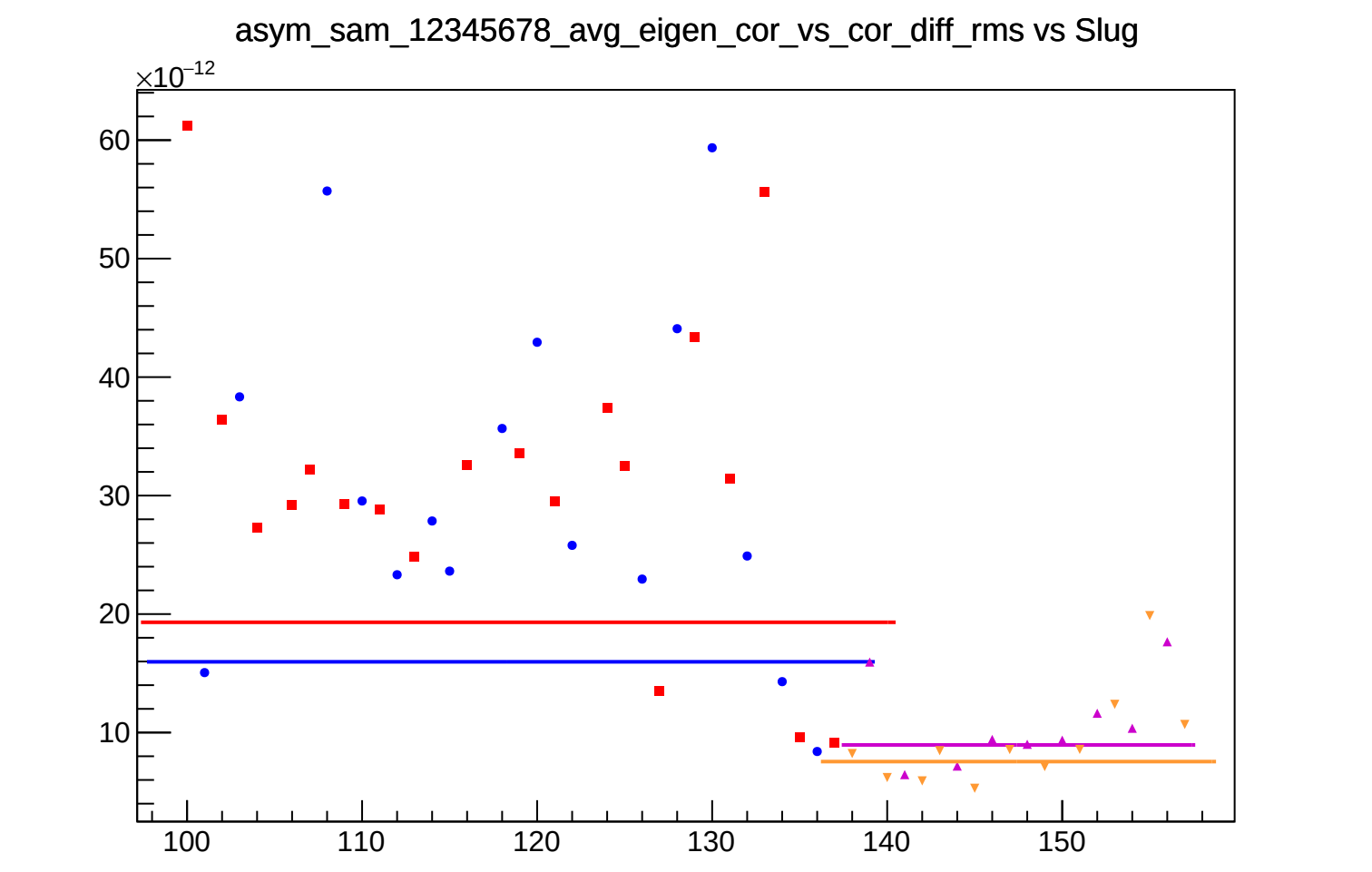
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/8

+ sign 0.000+/-0.000 χ^2/NDF: 13.6/26

All: 0.000+/-0.000 χ^2/NDF: 40.0/54

- sign 0.000+/-0.000 χ^2/NDF: 26.4/27



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1009866.1/10

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

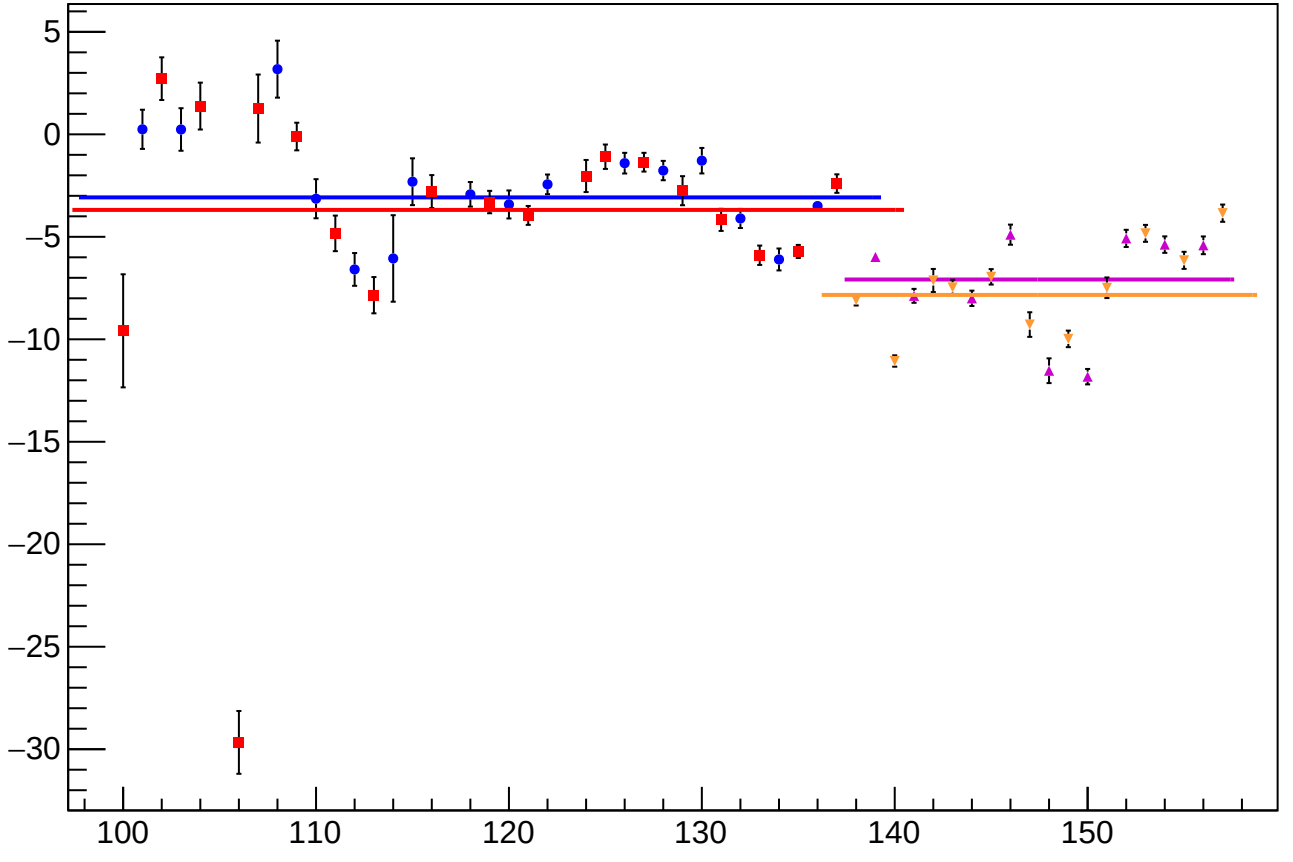
Left In: 0.000+/-0.000 χ^2/NDF:851104.7/8

+ sign 0.000+/-0.000 χ^2/NDF: 5434268.6/26

All: 0.000+/-0.000 χ^2/NDF: 10716133.3/54

- sign 0.000+/-0.000 χ^2/NDF: 5058943.1/27

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.835+/-0.116 χ^2/NDF:337.4/10

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

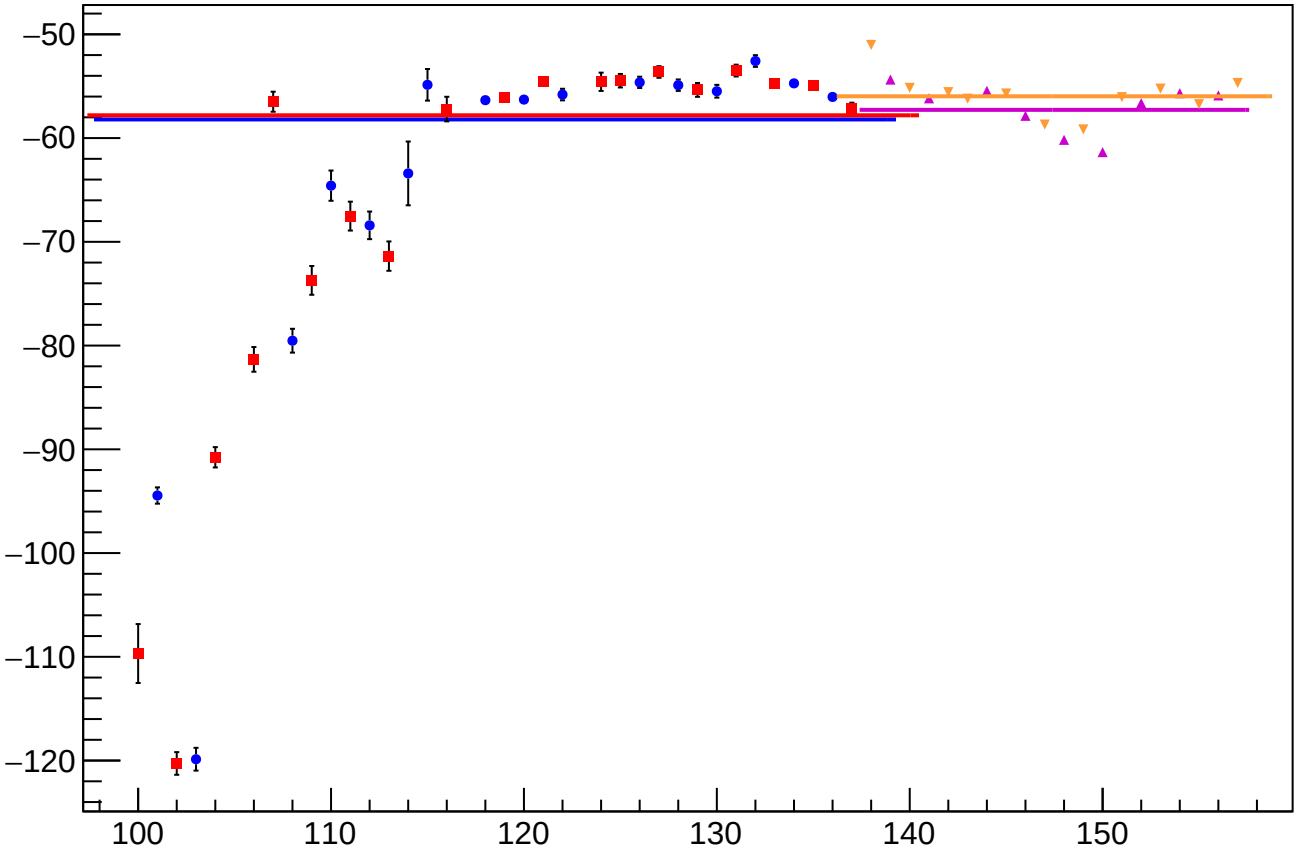
Left In: -7.083+/-0.125 χ^2/NDF:320.8/8

+ sign -5.814+/-0.088 χ^2/NDF: 1183.4/26

All: -5.705+/-0.064 χ^2/NDF: 2369.7/54

- sign -5.583+/-0.093 χ^2/NDF: 1183.1/27

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.972+/-0.086 χ^2/NDF:542.2/10

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

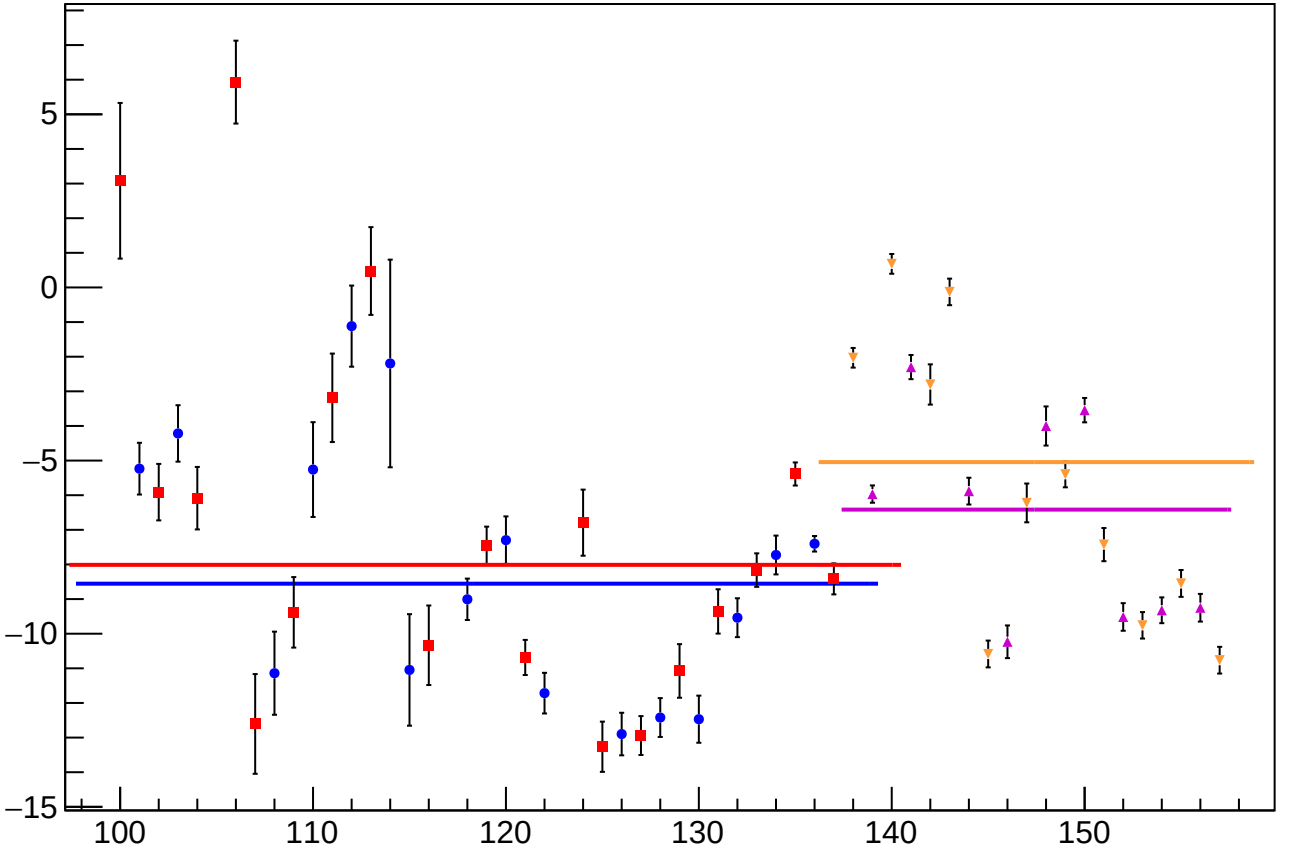
Left In: -57.279+/-0.096 χ^2/NDF:525.9/8

+ sign -56.615+/-0.073 χ^2/NDF: 6862.2/26

All: -56.999+/-0.053 χ^2/NDF: 13251.1/54

- sign -57.449+/-0.079 χ^2/NDF: 6328.3/27

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.044+/-0.115 χ^2/NDF:1382.7/10

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

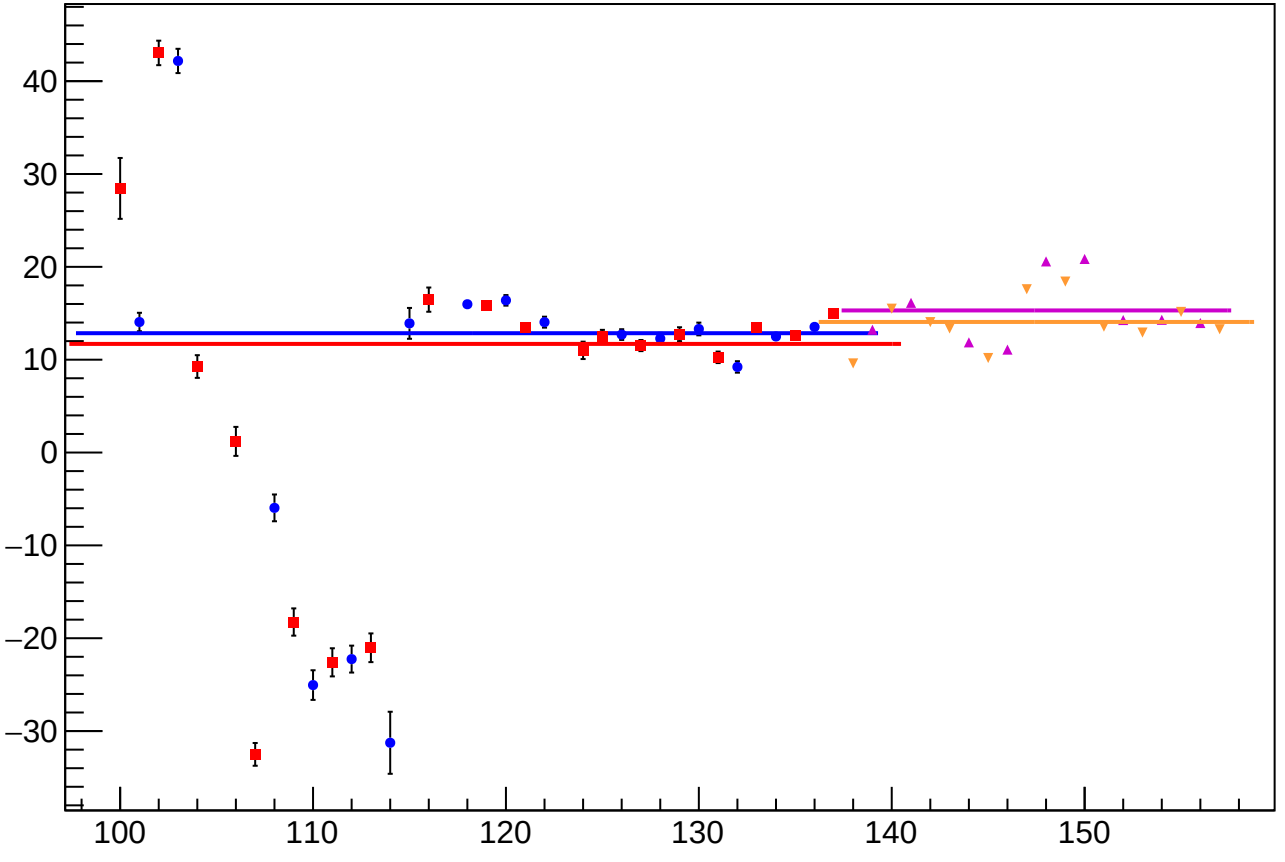
Left In: -6.416+/-0.123 χ^2/NDF:466.2/8

+ sign -6.400+/-0.090 χ^2/NDF: 2044.7/26

All: -6.700+/-0.066 χ^2/NDF: 3090.2/54

- sign -7.041+/-0.096 χ^2/NDF: 1021.7/27

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.065+/-0.102 χ^2/NDF:627.0/10

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

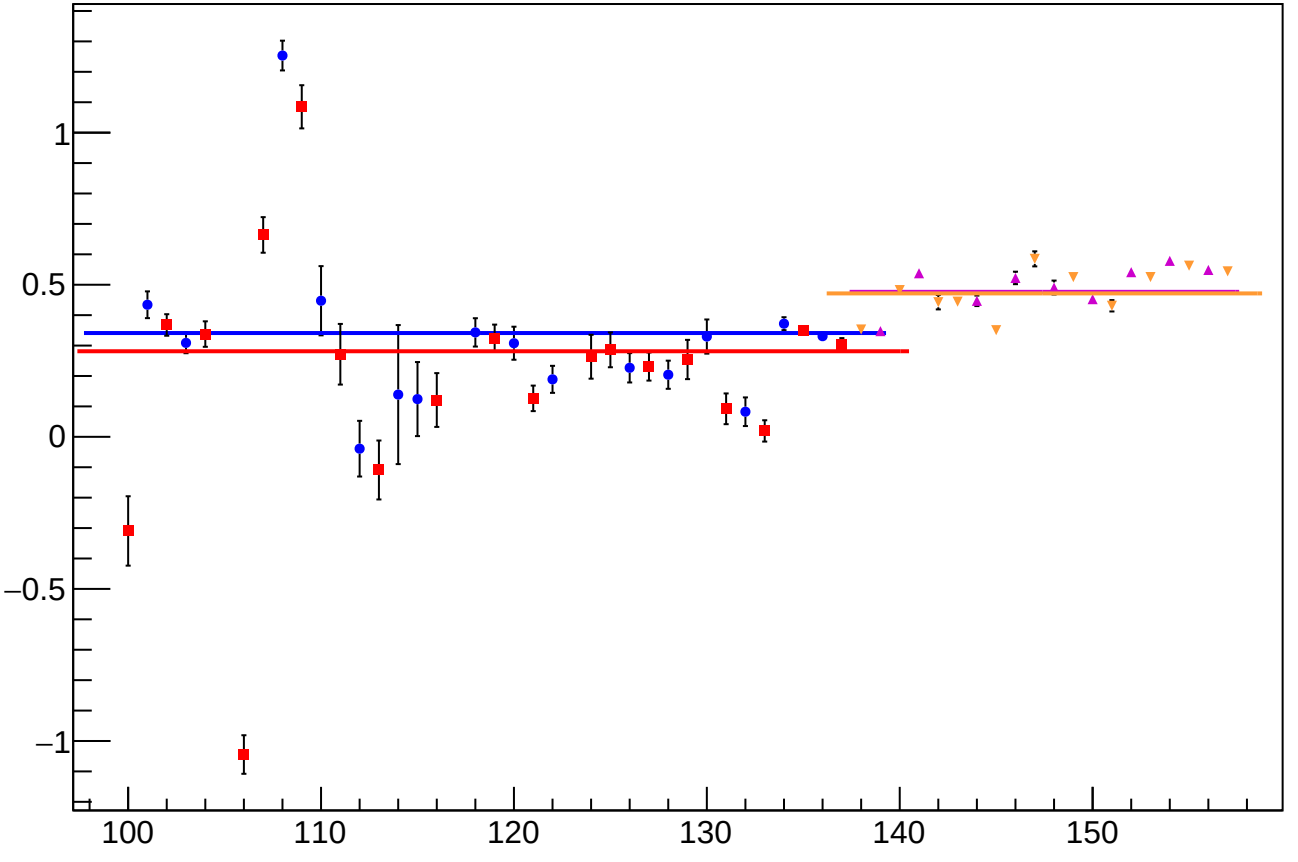
Left In: 15.305+/-0.112 χ^2/NDF:835.1/8

\+ sign 13.683+/-0.084 χ^2/NDF: 2799.9/26

All: 13.861+/-0.062 χ^2/NDF: 7498.5/54

\- sign 14.067+/-0.091 χ^2/NDF: 4689.0/27

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.471+/-0.004 χ^2/NDF:321.3/10

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

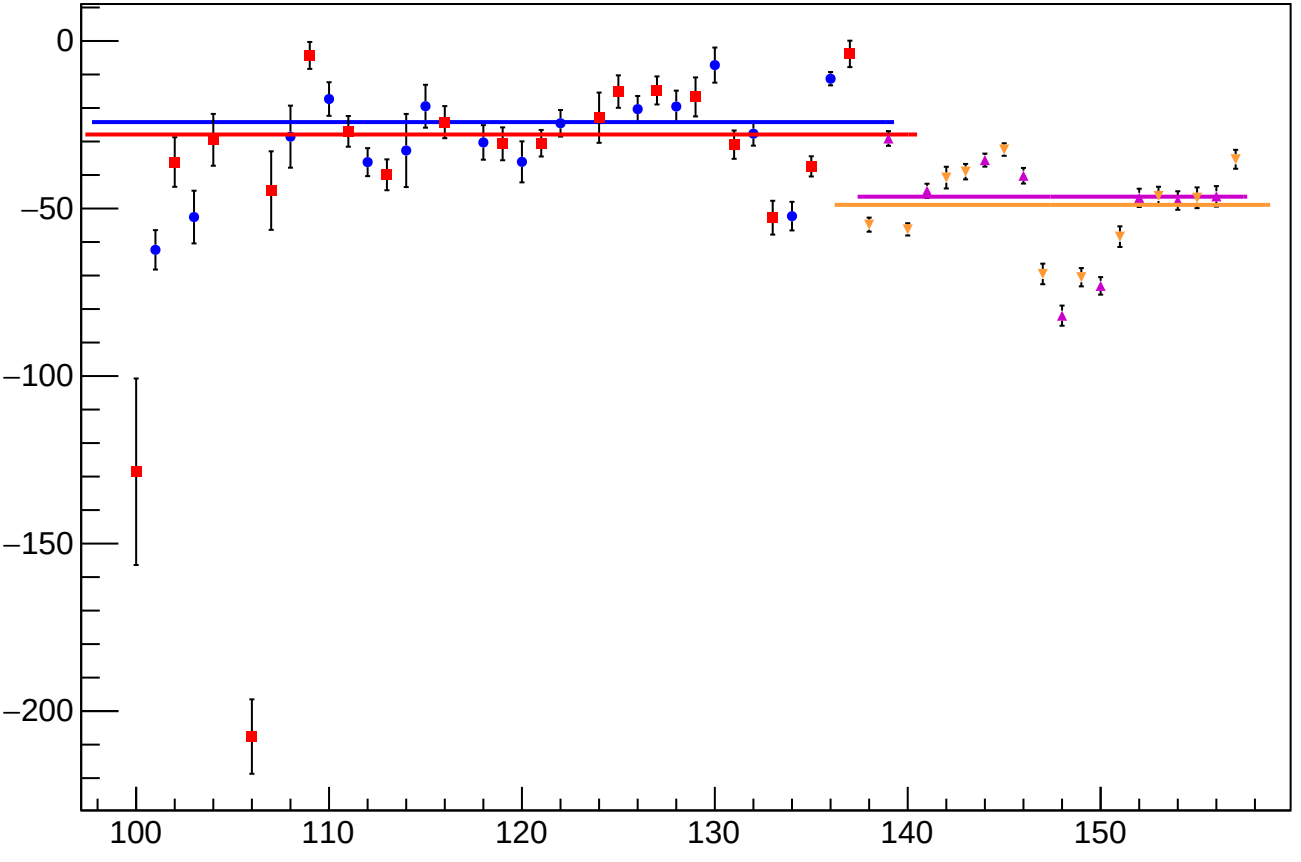
Left In: 0.477+/-0.005 χ^2/NDF:356.7/8

+ sign 0.440+/-0.004 χ^2/NDF: 964.1/26

All: 0.436+/-0.003 χ^2/NDF: 2511.4/54

- sign 0.432+/-0.004 χ^2/NDF: 1545.2/27

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -48.907+/-0.746 χ^2/NDF:267.8/10

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

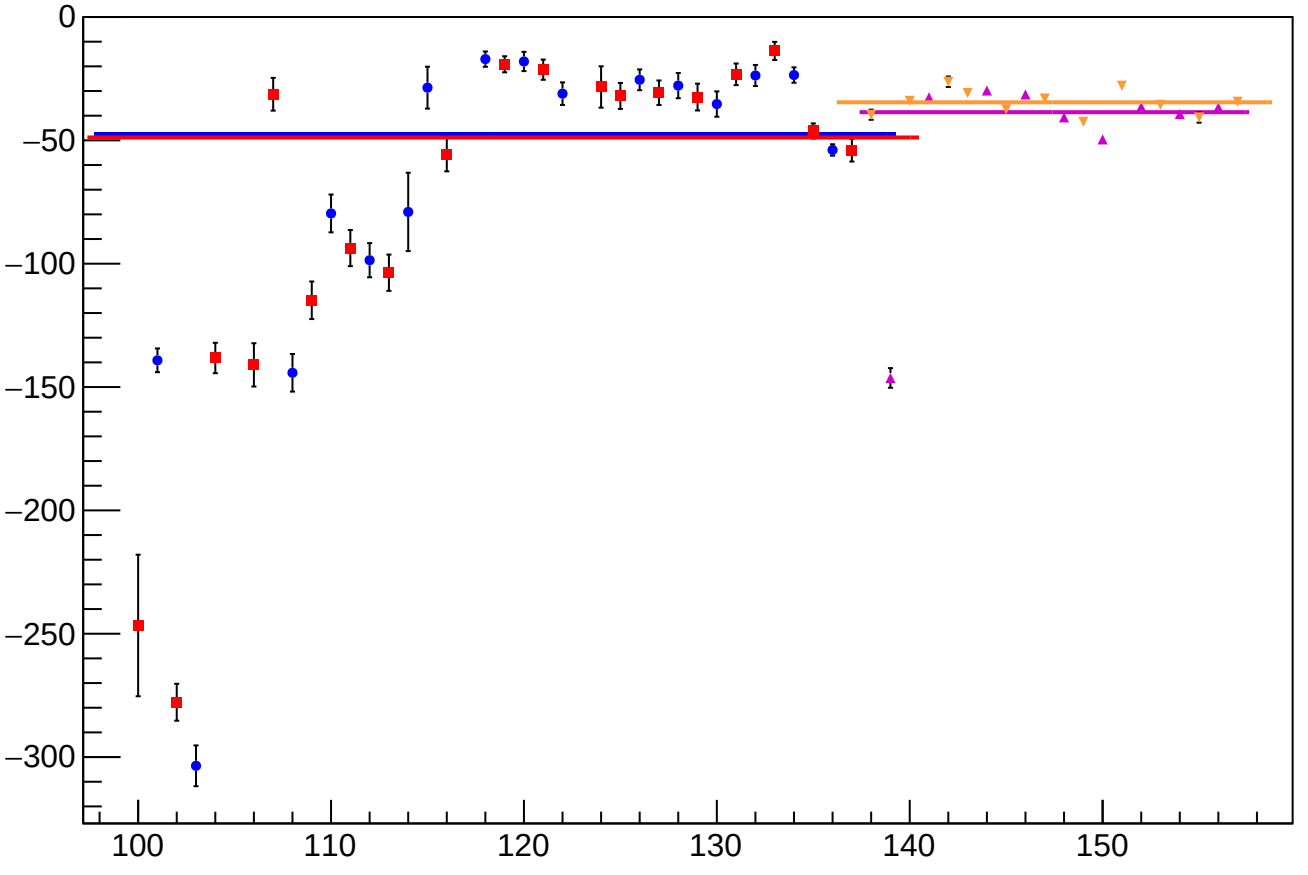
Left In: -46.470+/-0.816 χ^2/NDF:344.7/8

+ sign -40.993+/-0.615 χ^2/NDF: 789.9/26

All: -40.608+/-0.451 χ^2/NDF: 1724.8/54

- sign -40.160+/-0.663 χ^2/NDF: 934.0/27

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.562+/-0.525 χ^2/NDF:76.4/10

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

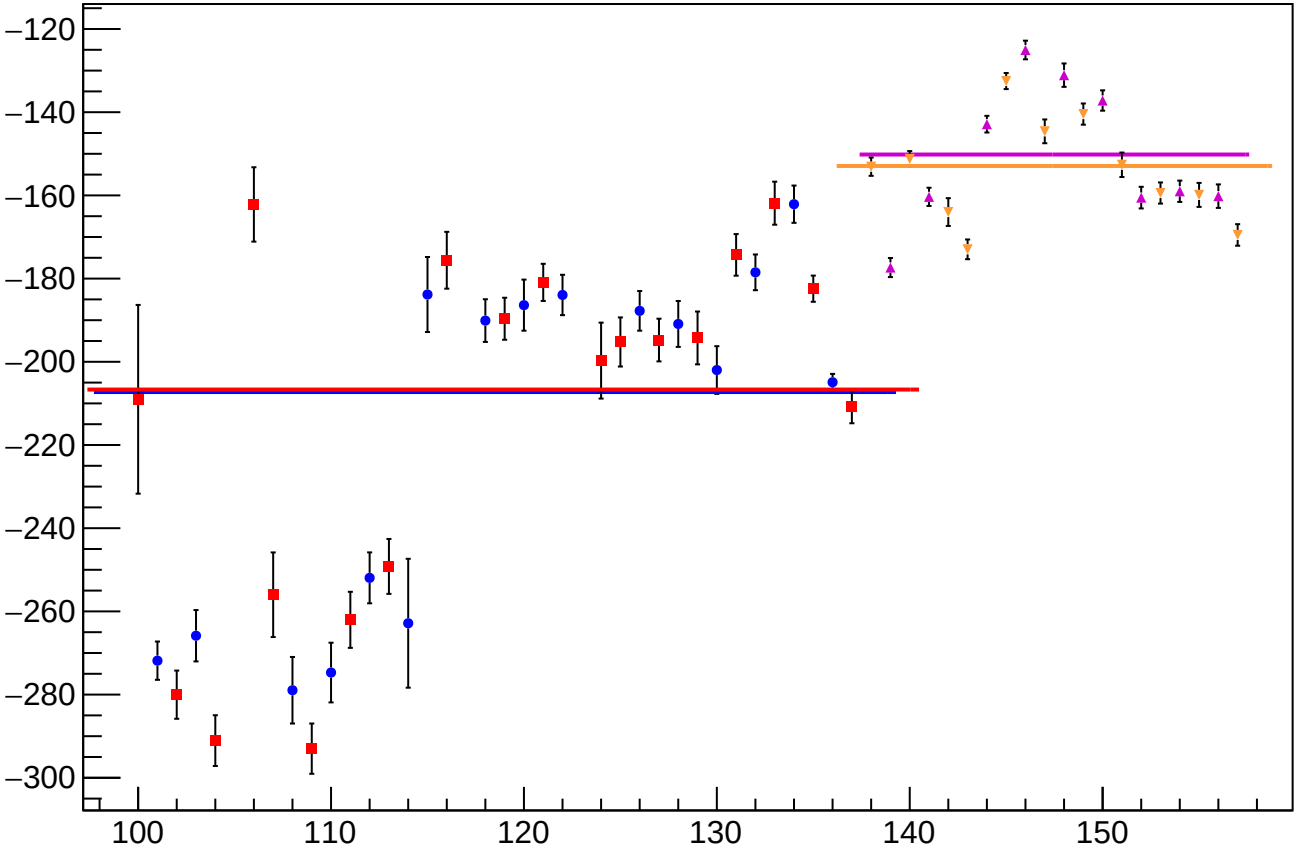
Left In: -38.573+/-0.566 χ^2/NDF:854.8/8

+ sign -36.946+/-0.474 χ^2/NDF: 2061.0/26

All: -38.584+/-0.347 χ^2/NDF: 4777.4/54

- sign -40.484+/-0.510 χ^2/NDF: 2690.7/27

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -152.925+/-0.738 χ^2/NDF:280.3/10

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

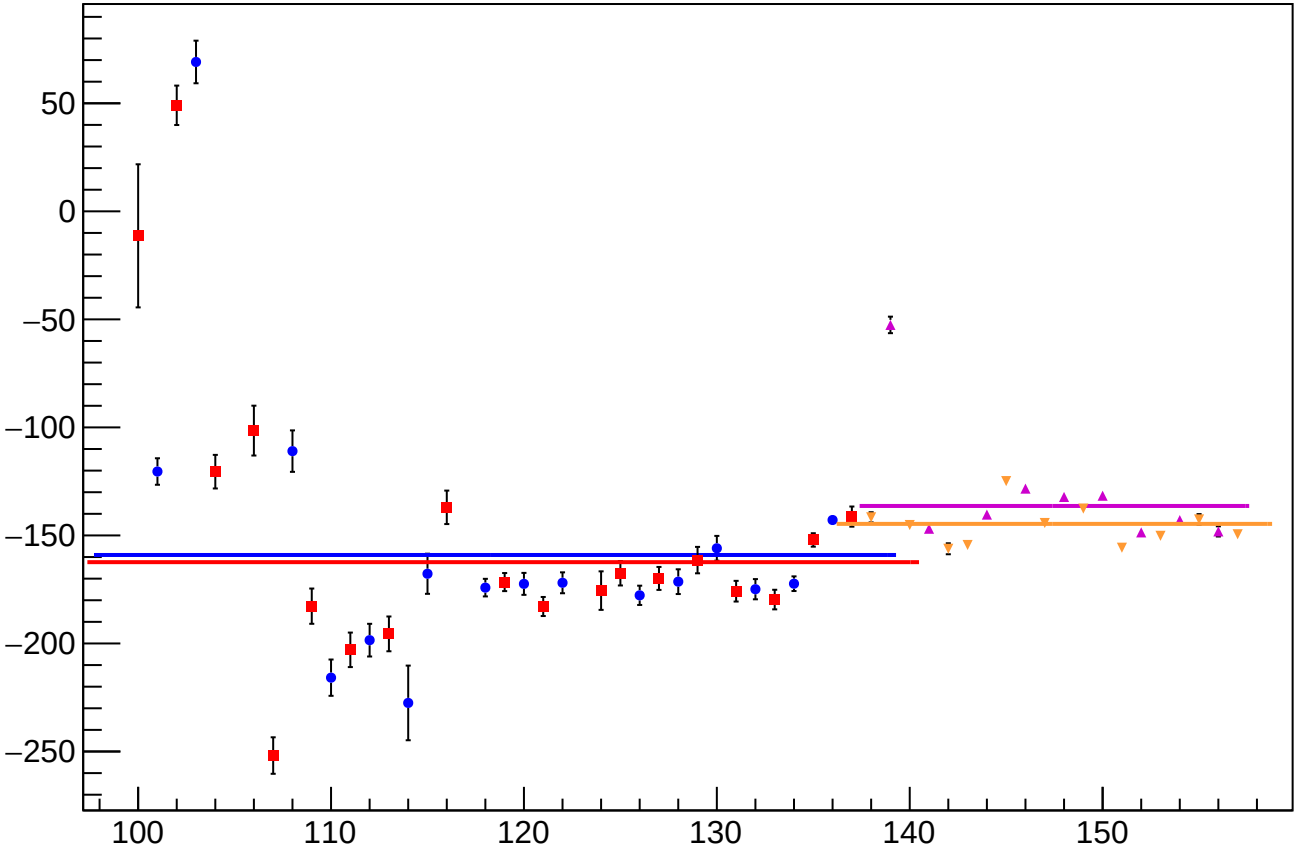
Left In: -150.177+/-0.799 χ^2/NDF:415.1/8

+ sign -168.222+/-0.625 χ^2/NDF: 2556.8/26

All: -167.216+/-0.460 χ^2/NDF: 5349.4/54

- sign -166.034+/-0.678 χ^2/NDF: 2787.0/27

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -144.657+/-0.631 χ^2/NDF:223.3/10

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

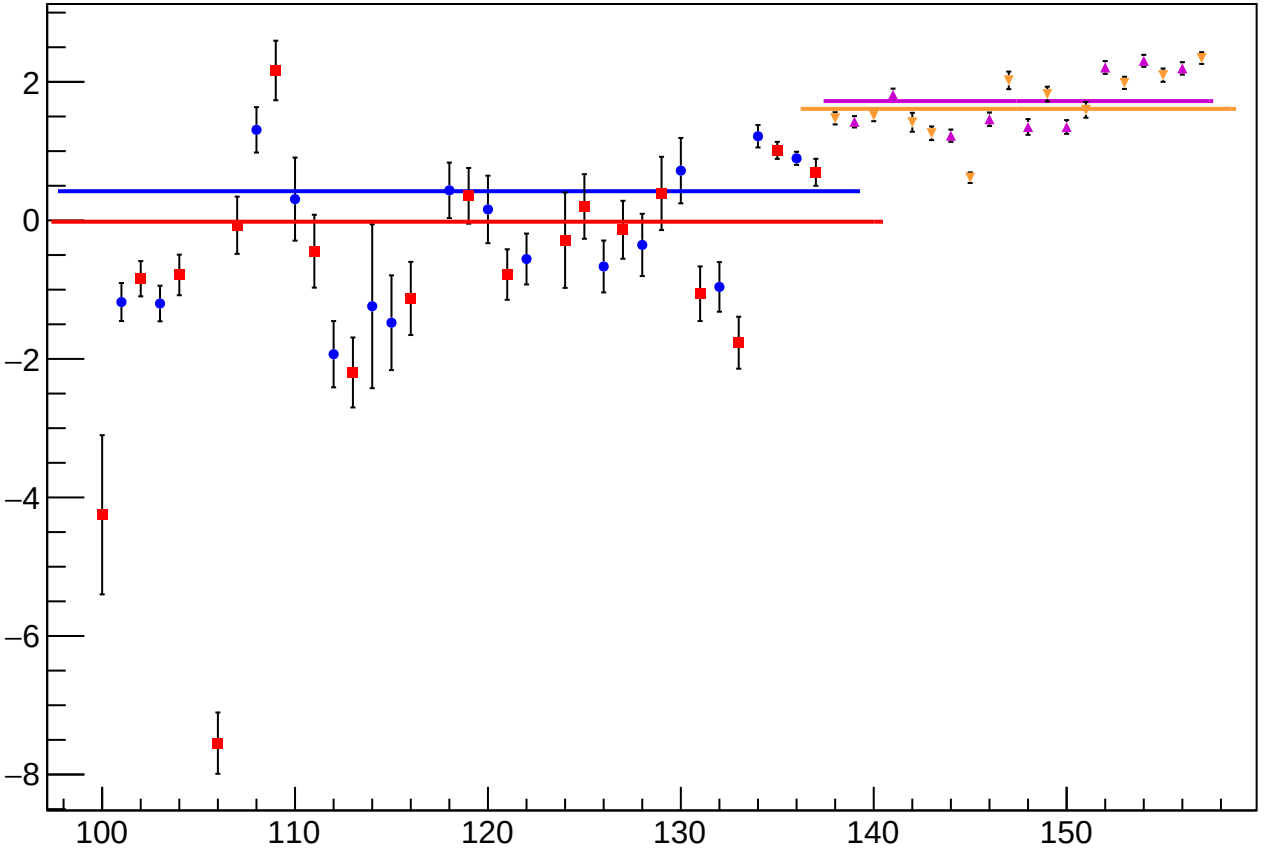
Left In: -136.360+/-0.681 χ^2/NDF:616.4/8

+ sign -147.674+/-0.561 χ^2/NDF: 1148.1/26

All: -144.958+/-0.412 χ^2/NDF: 2992.9/54

- sign -141.796+/-0.605 χ^2/NDF: 1794.2/27

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.610+/-0.029 χ^2/NDF:319.4/10

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

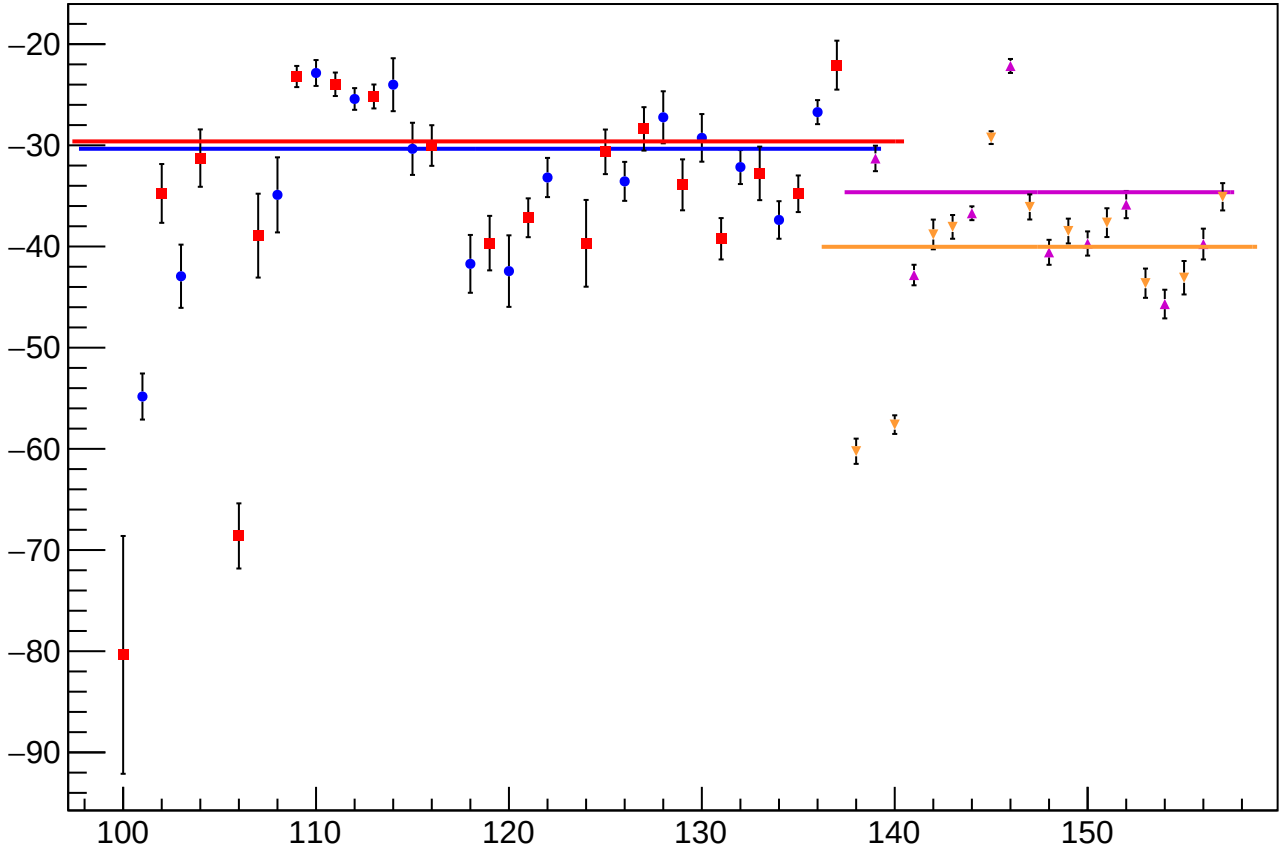
Left In: 1.722+/-0.031 χ^2/NDF:177.3/8

+ sign 1.413+/-0.026 χ^2/NDF: 797.7/26

All: 1.433+/-0.019 χ^2/NDF: 1955.1/54

- sign 1.455+/-0.028 χ^2/NDF: 1156.3/27

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.029+/-0.339 χ^2/NDF:959.4/10

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

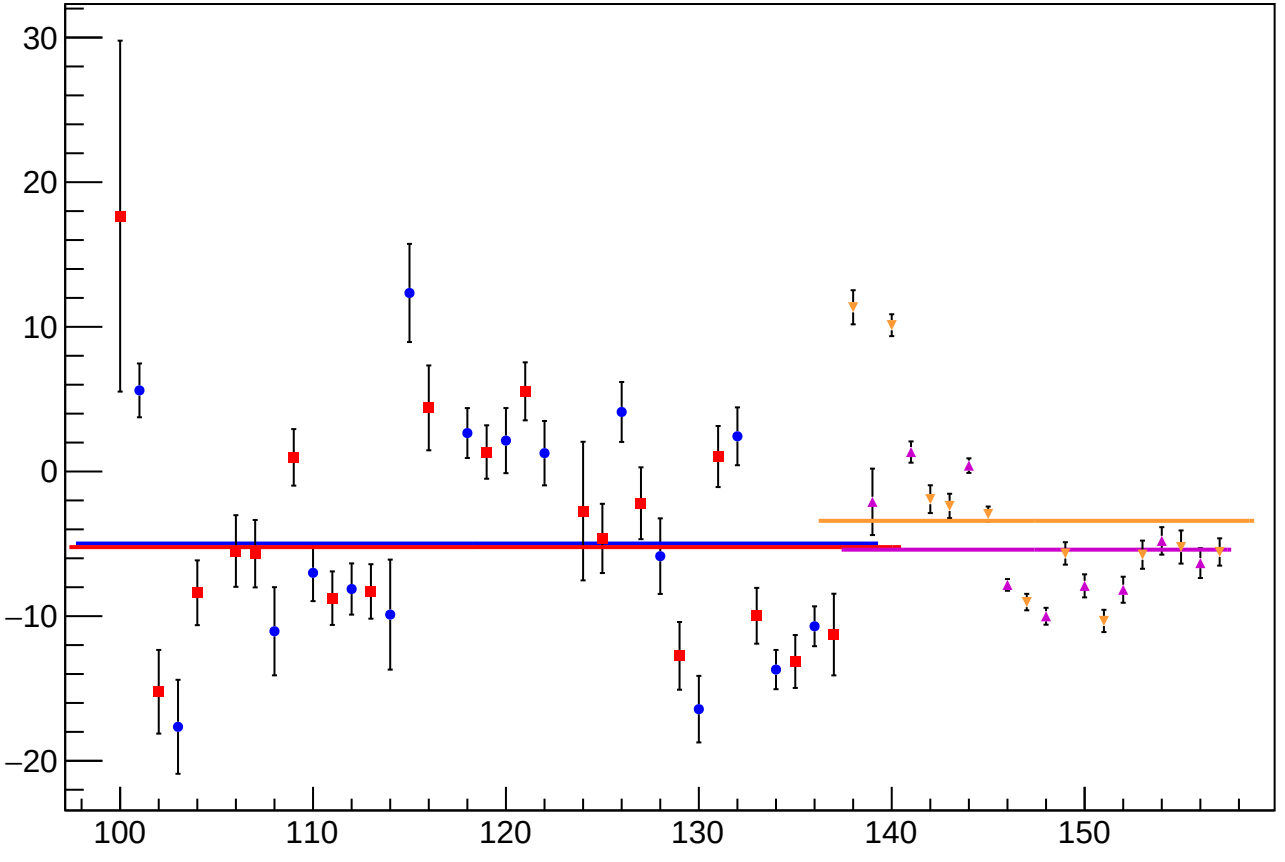
Left In: -34.635+/-0.340 χ^2/NDF:521.2/8

+ sign -36.699+/-0.274 χ^2/NDF: 1494.4/26

All: -34.735+/-0.193 χ^2/NDF: 2525.5/54

- sign -32.815+/-0.271 χ^2/NDF: 929.7/27

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.409+/-0.235 χ^2/NDF:681.2/10

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

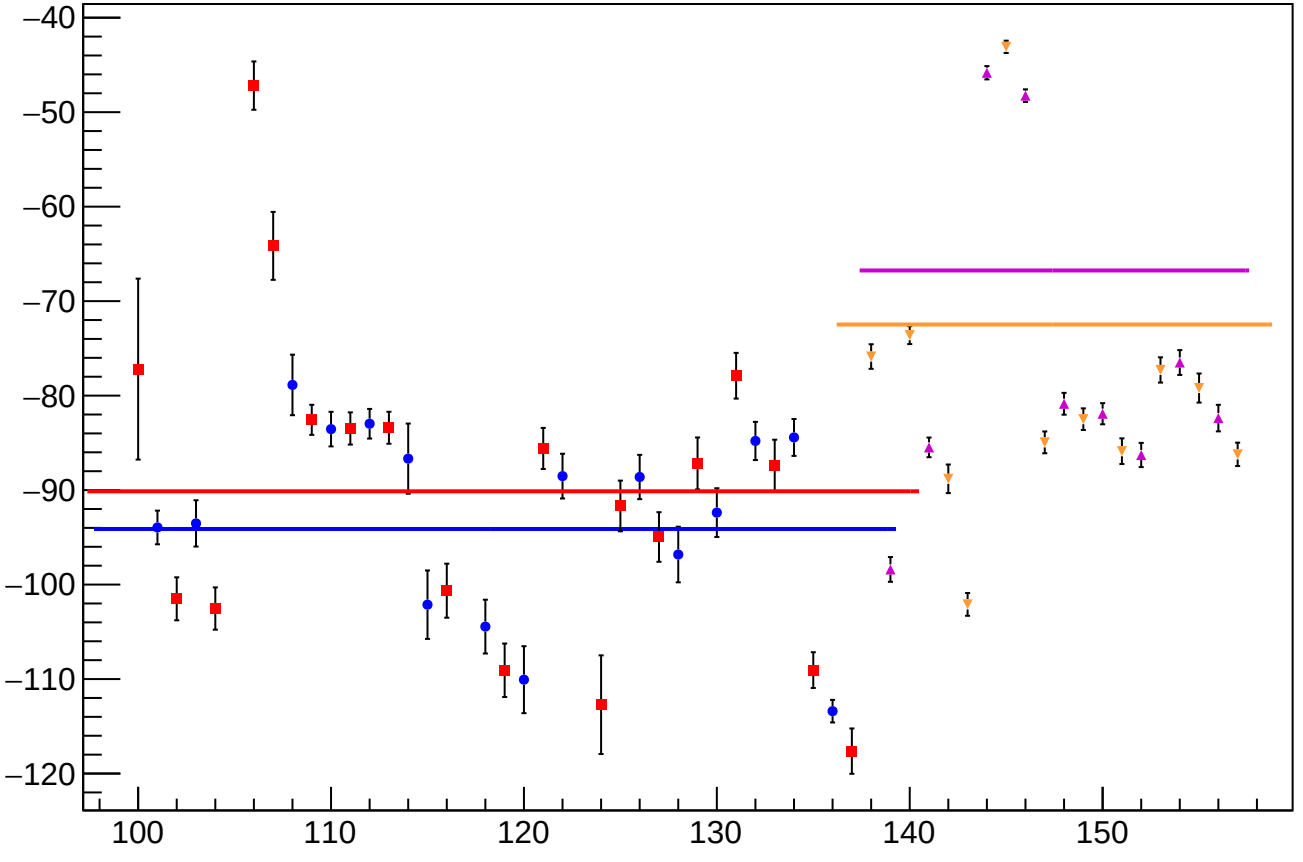
Left In: -5.404+/-0.224 χ^2/NDF:338.4/8

+ sign -3.685+/-0.214 χ^2/NDF: 926.4/26

All: -4.561+/-0.148 χ^2/NDF: 1433.8/54

- sign -5.376+/-0.206 χ^2/NDF: 475.0/27

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -72.475+/-0.336 χ^2/NDF:3215.0/10

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

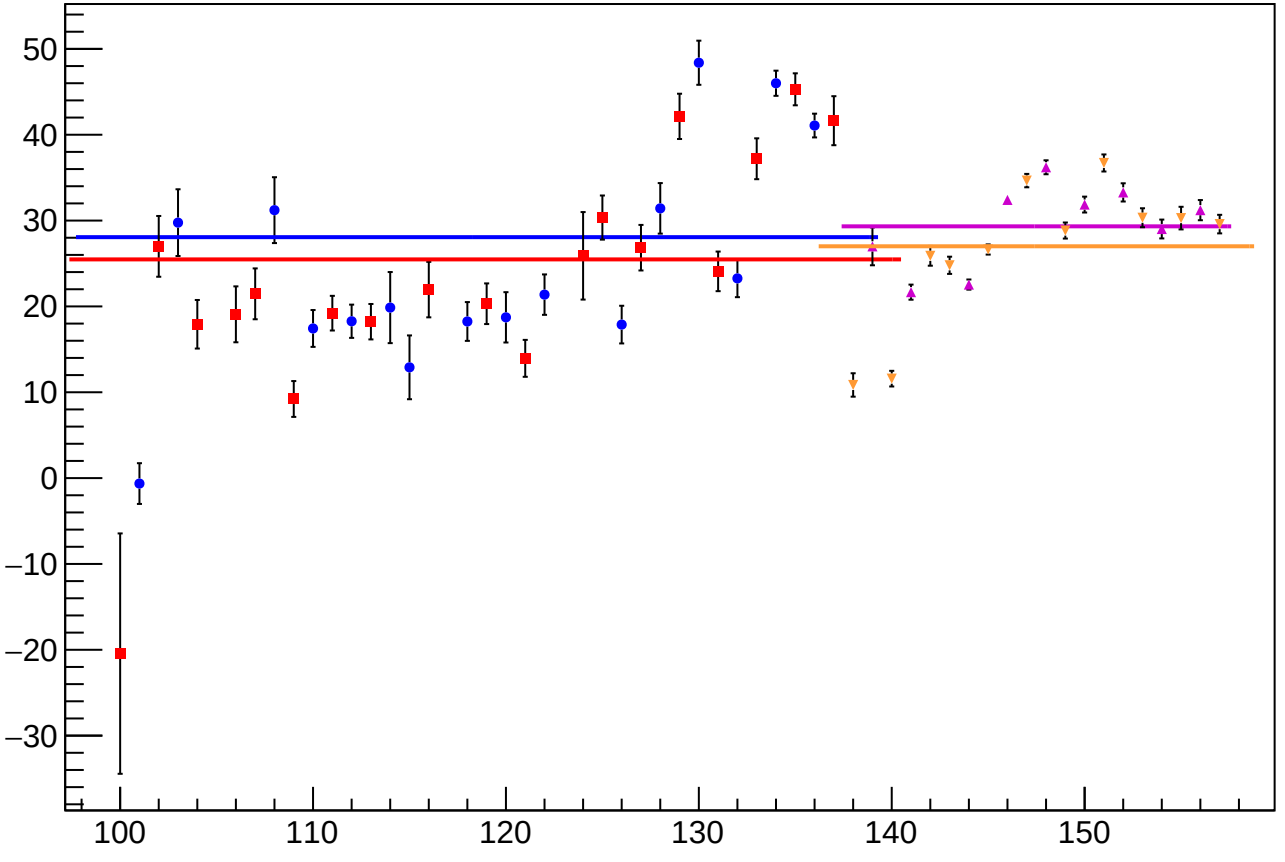
Left In: -66.753+/-0.333 χ^2/NDF:3305.4/8

\+ sign -78.551+/-0.285 χ^2/NDF: 4849.7/26

All: -75.839+/-0.201 χ^2/NDF: 10472.6/54

\- sign -73.141+/-0.284 χ^2/NDF: 5441.7/27

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.005+/-0.284 χ^2/NDF:648.6/10

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

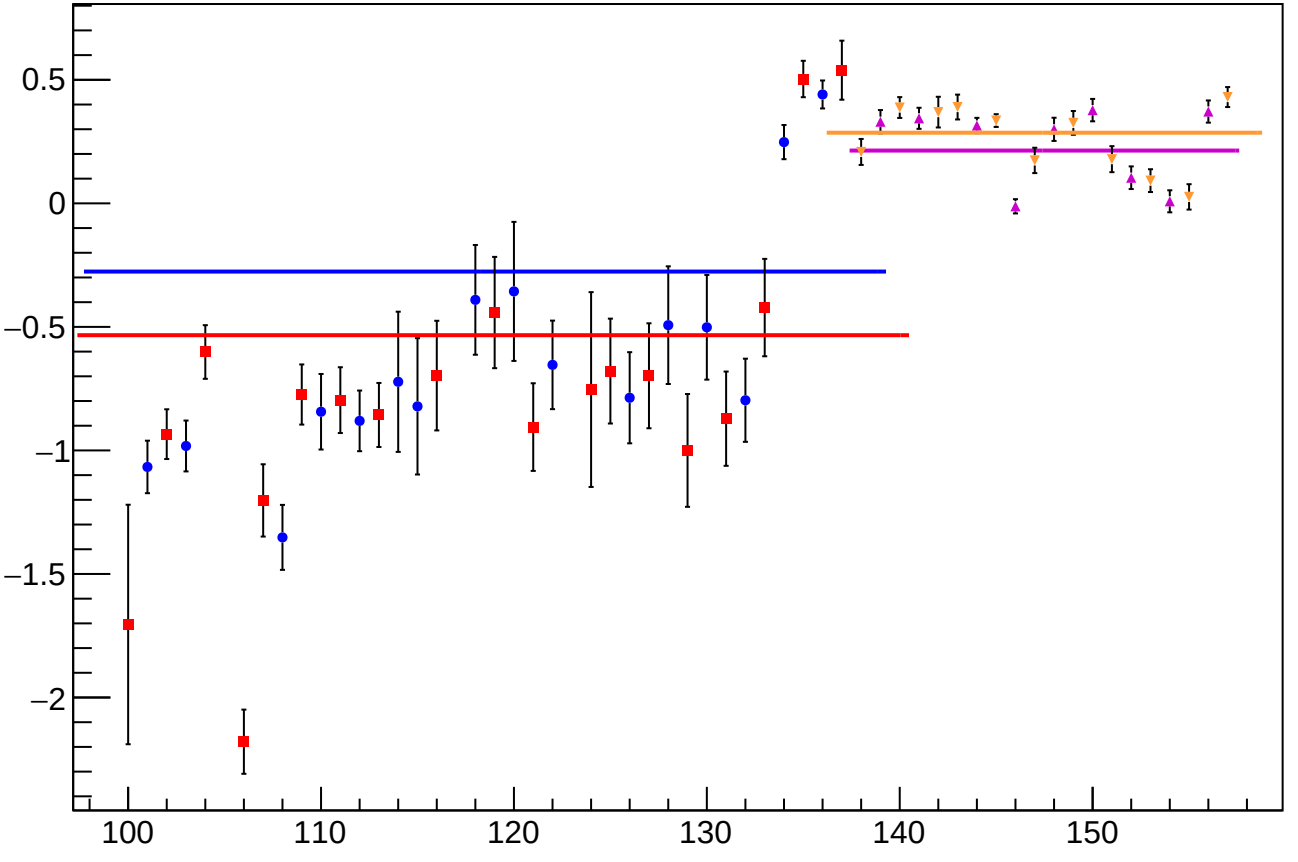
Left In: 29.329+/-0.274 χ^2/NDF:341.4/8

+ sign 27.217+/-0.254 χ^2/NDF: 1234.5/26

All: 27.949+/-0.178 χ^2/NDF: 1981.7/54

- sign 28.647+/-0.248 χ^2/NDF: 731.0/27

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.286+/-0.013 χ^2/NDF:83.3/10

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

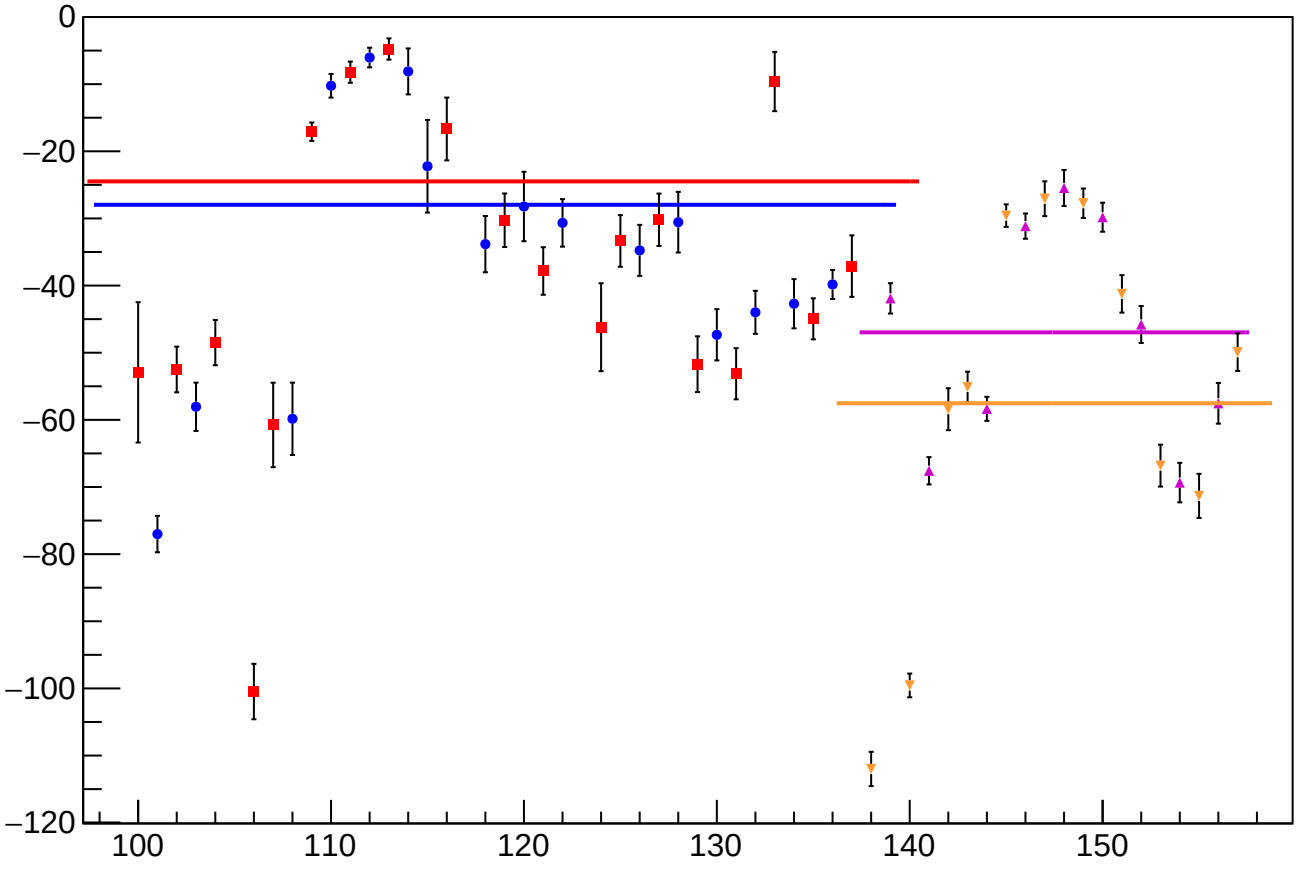
Left In: 0.214+/-0.013 χ^2/NDF:143.0/8

+ sign 0.198+/-0.012 χ^2/NDF: 822.6/26

All: 0.154+/-0.009 χ^2/NDF: 1947.0/54

- sign 0.108+/-0.012 χ^2/NDF: 1097.9/27

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.526+/-0.719 χ^2/NDF:1692.0/10

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

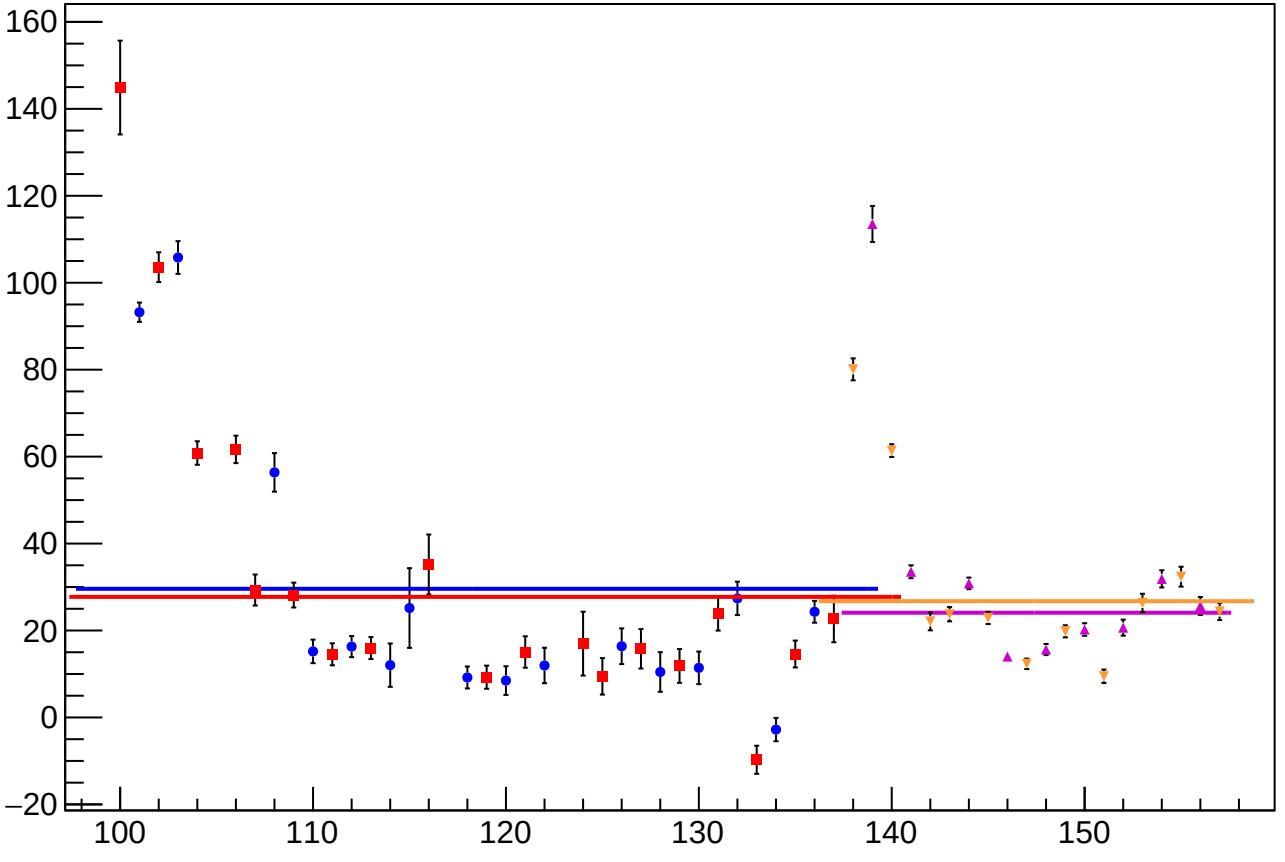
Left In: -46.965+/-0.758 χ^2/NDF:416.7/8

+ sign -42.918+/-0.511 χ^2/NDF: 3421.4/26

All: -38.464+/-0.357 χ^2/NDF: 5474.1/54

- sign -34.225+/-0.499 χ^2/NDF: 1904.7/27

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.747+/-0.498 χ^2/NDF:1319.3/10

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

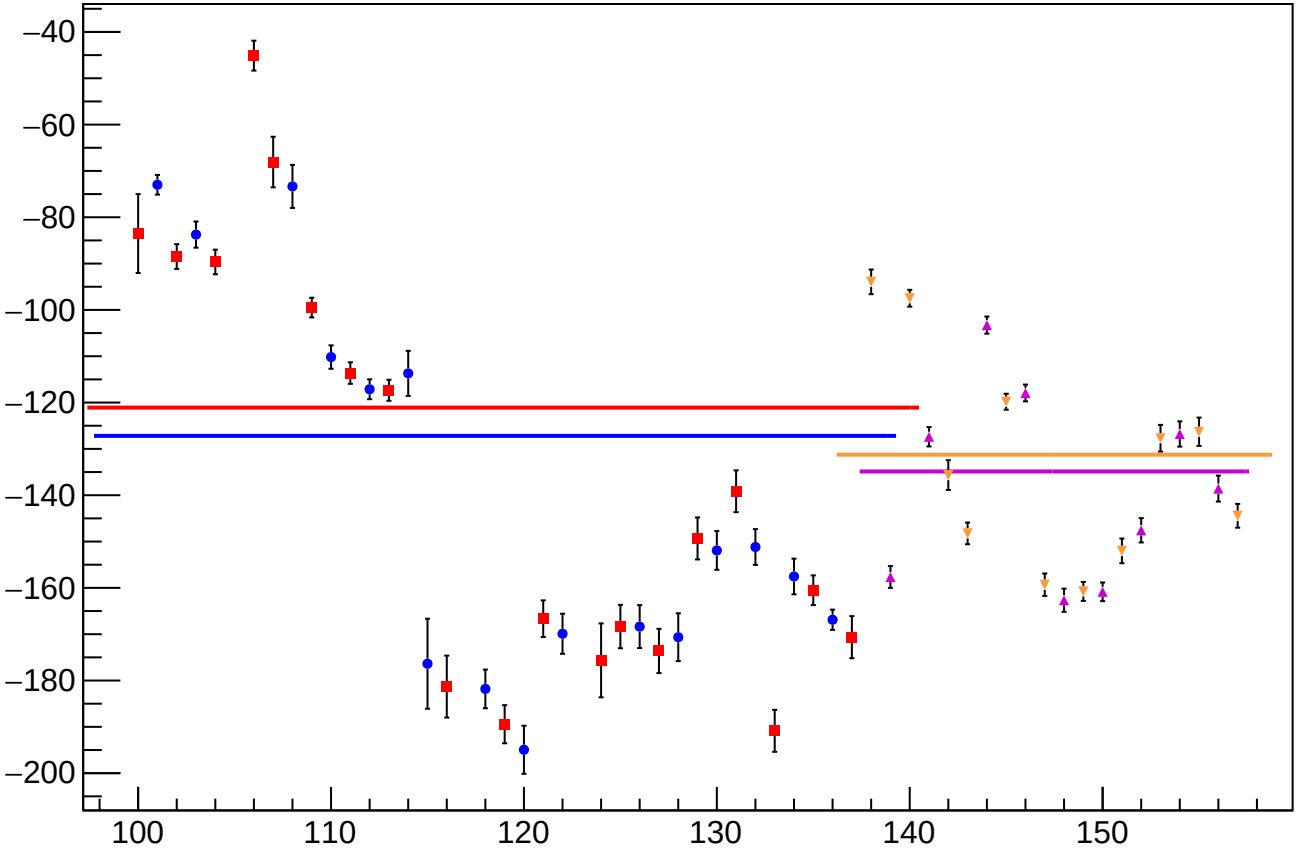
Left In: 24.094+/-0.519 χ^2/NDF:679.5/8

\+ sign 27.532+/-0.424 χ^2/NDF: 2994.0/26

All: 26.387+/-0.304 χ^2/NDF: 4888.2/54

\- sign 25.179+/-0.435 χ^2/NDF: 1879.3/27

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -131.247+/-0.709 χ^2/NDF:1074.9/10

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

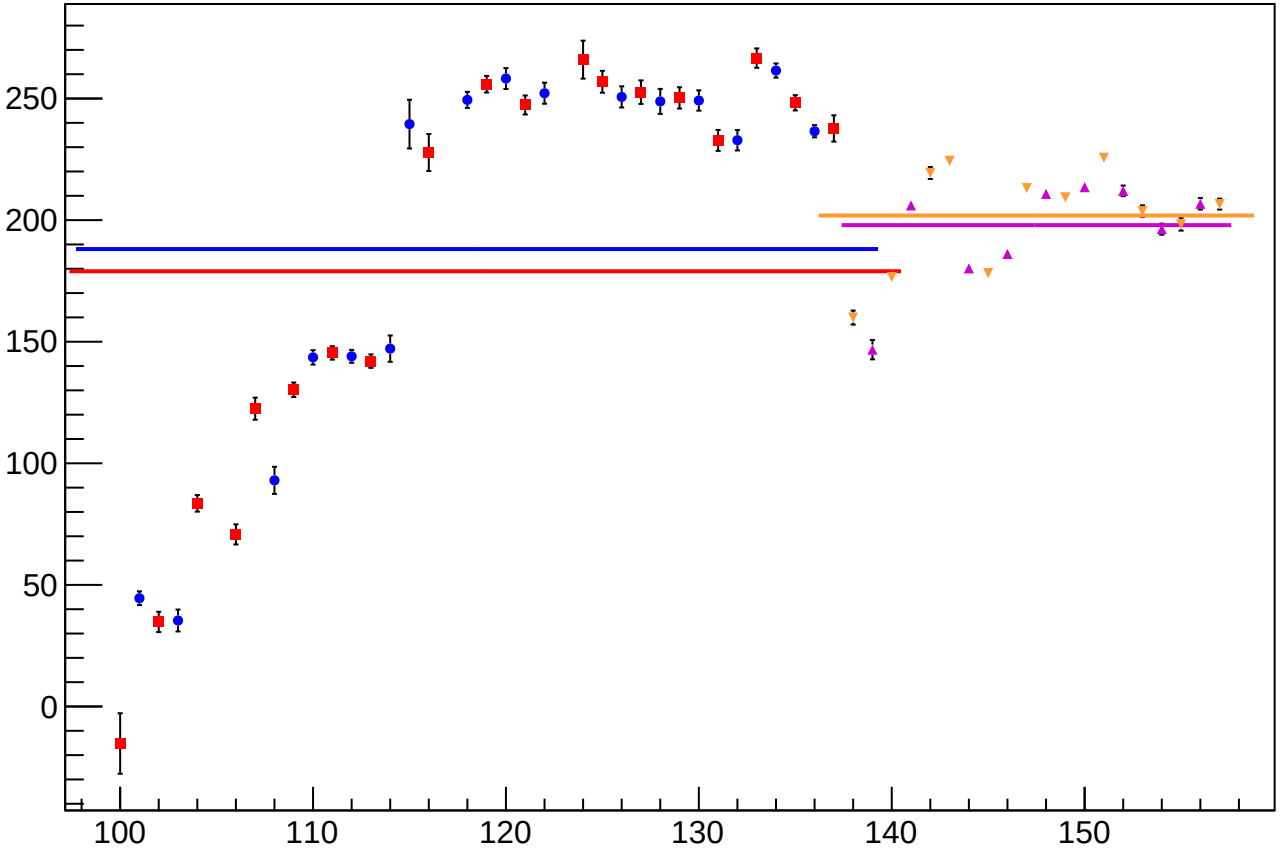
Left In: -134.875+/-0.741 χ^2/NDF:808.5/8

+ sign -129.534+/-0.539 χ^2/NDF: 3266.9/26

All: -129.014+/-0.383 χ^2/NDF: 6634.9/54

- sign -128.484+/-0.543 χ^2/NDF: 3366.1/27

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.902+/-0.602 χ^2/NDF:1040.4/10

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

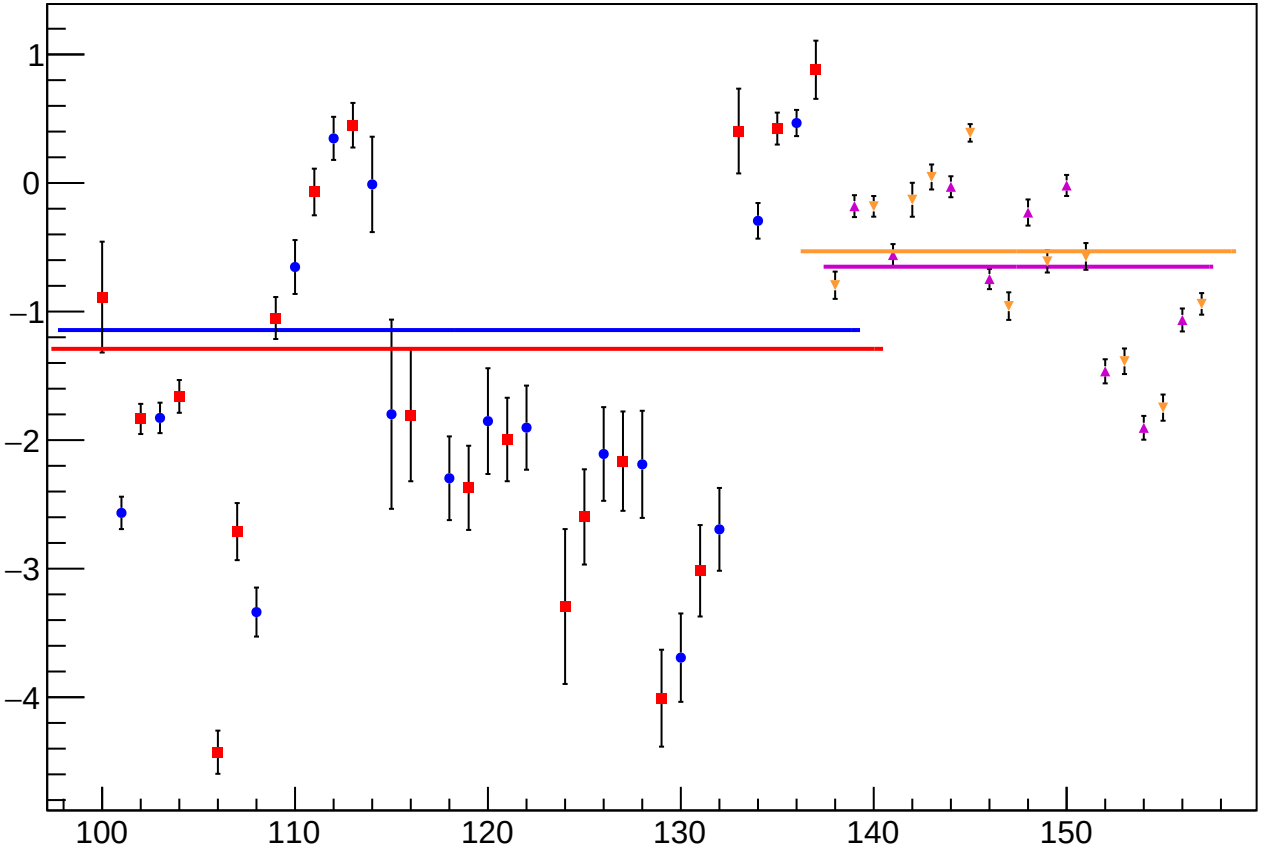
Left In: 197.943+/-0.626 χ^2/NDF:583.1/8

\+ sign 197.759+/-0.503 χ^2/NDF: 8317.0/26

All: 194.867+/-0.360 χ^2/NDF: 15932.6/54

\- sign 191.834+/-0.515 χ^2/NDF: 7547.9/27

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.531+/-0.028 χ^2/NDF:509.2/10

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

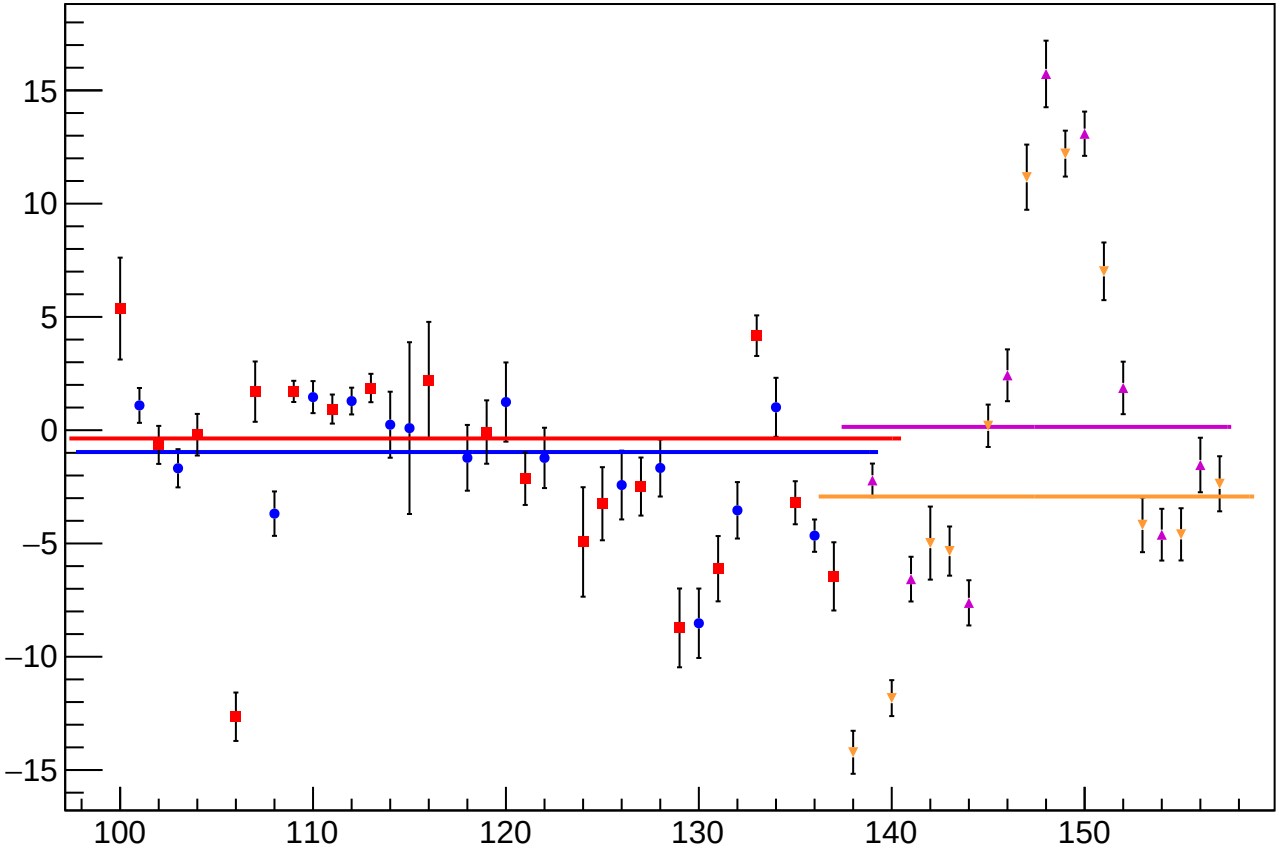
Left In: -0.651+/-0.029 χ^2/NDF:448.1/8

+ sign -0.687+/-0.024 χ^2/NDF: 1418.1/26

All: -0.754+/-0.017 χ^2/NDF: 3012.4/54

- sign -0.825+/-0.025 χ^2/NDF: 1578.3/27

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.928+/-0.328 χ^2/NDF:668.6/10

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

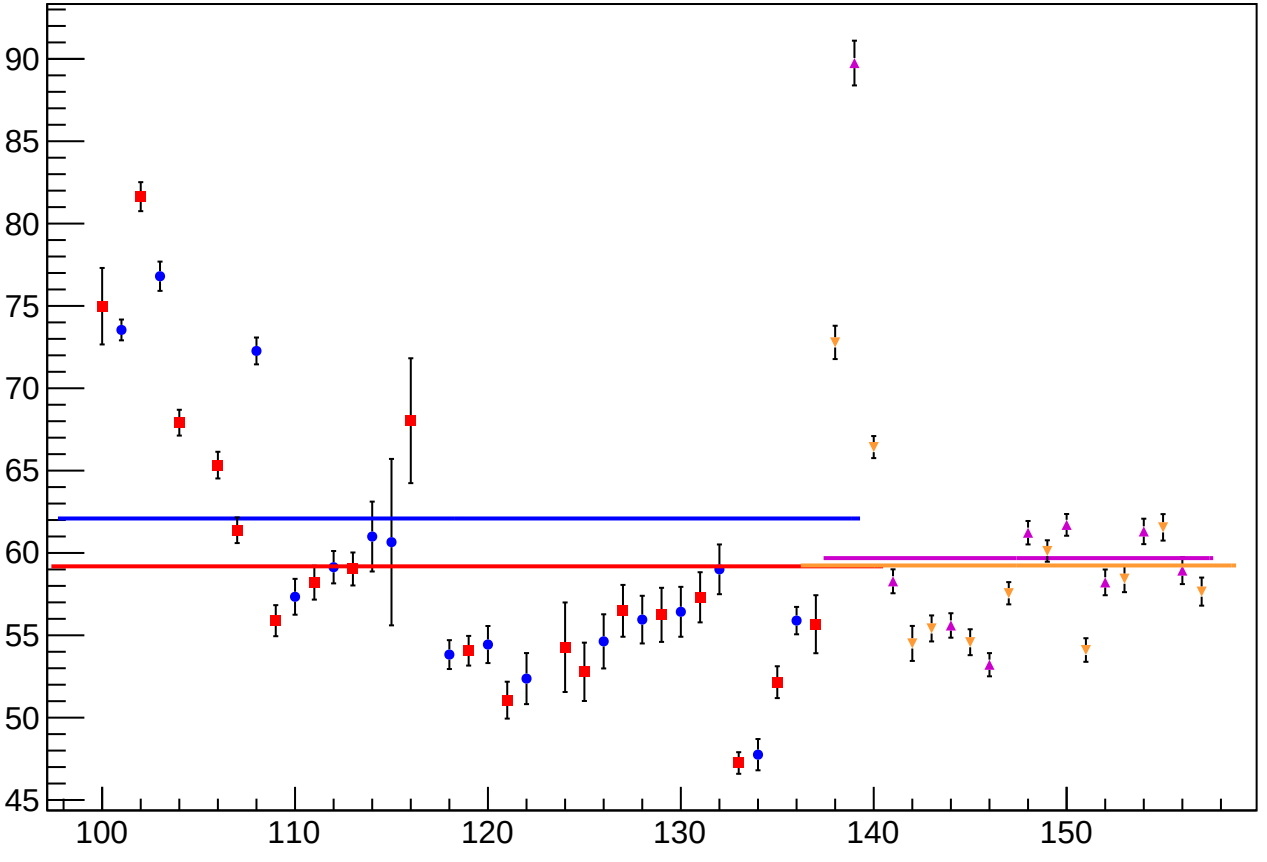
Left In: 0.146+/-0.346 χ^2/NDF:430.6/8

+ sign -1.696+/-0.201 χ^2/NDF: 794.2/26

All: -0.907+/-0.137 χ^2/NDF: 1535.9/54

- sign -0.215+/-0.188 χ^2/NDF: 712.7/27

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.240+/-0.234 χ^2/NDF:444.8/10

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

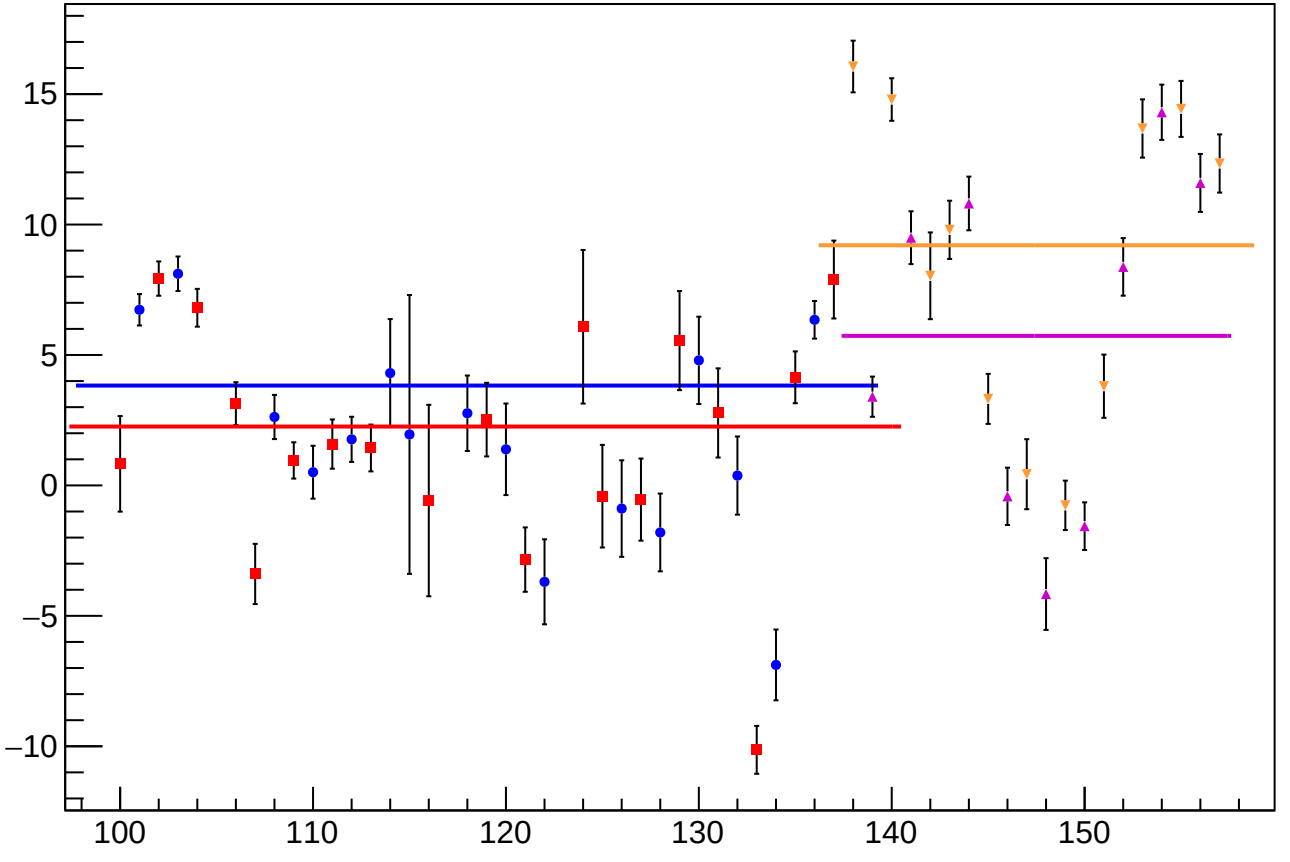
Left In: 59.688+/-0.255 χ^2/NDF:630.6/8

+ sign 60.490+/-0.176 χ^2/NDF: 1811.1/26

All: 59.960+/-0.124 χ^2/NDF: 3864.1/54

- sign 59.426+/-0.176 χ^2/NDF: 2034.7/27

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.205+/-0.323 χ^2/NDF:354.3/10

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

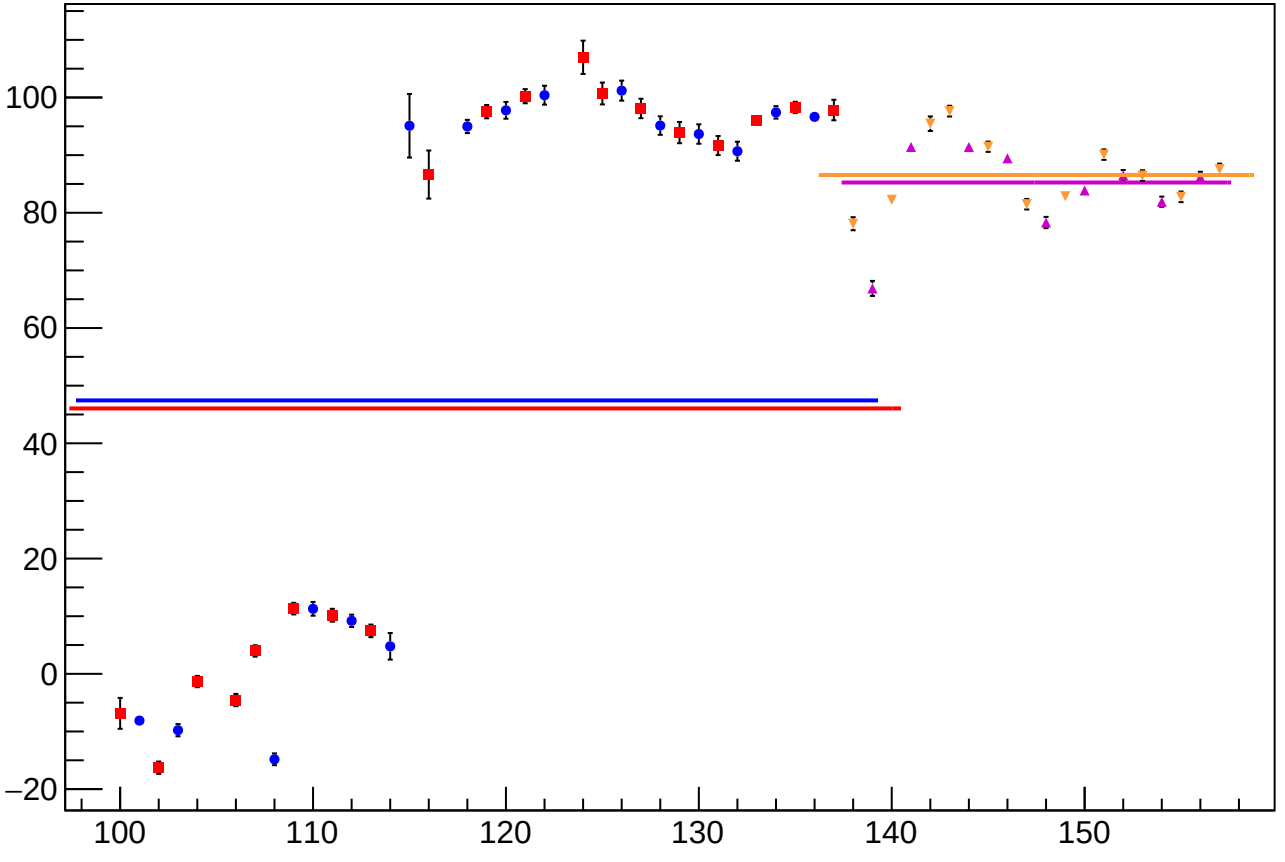
Left In: 5.733+/-0.339 χ^2/NDF:293.3/8

+ sign 5.996+/-0.205 χ^2/NDF: 728.6/26

All: 4.692+/-0.143 χ^2/NDF: 1541.4/54

- sign 3.457+/-0.199 χ^2/NDF: 734.0/27

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.544+/-0.280 χ^2/NDF:391.5/10

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

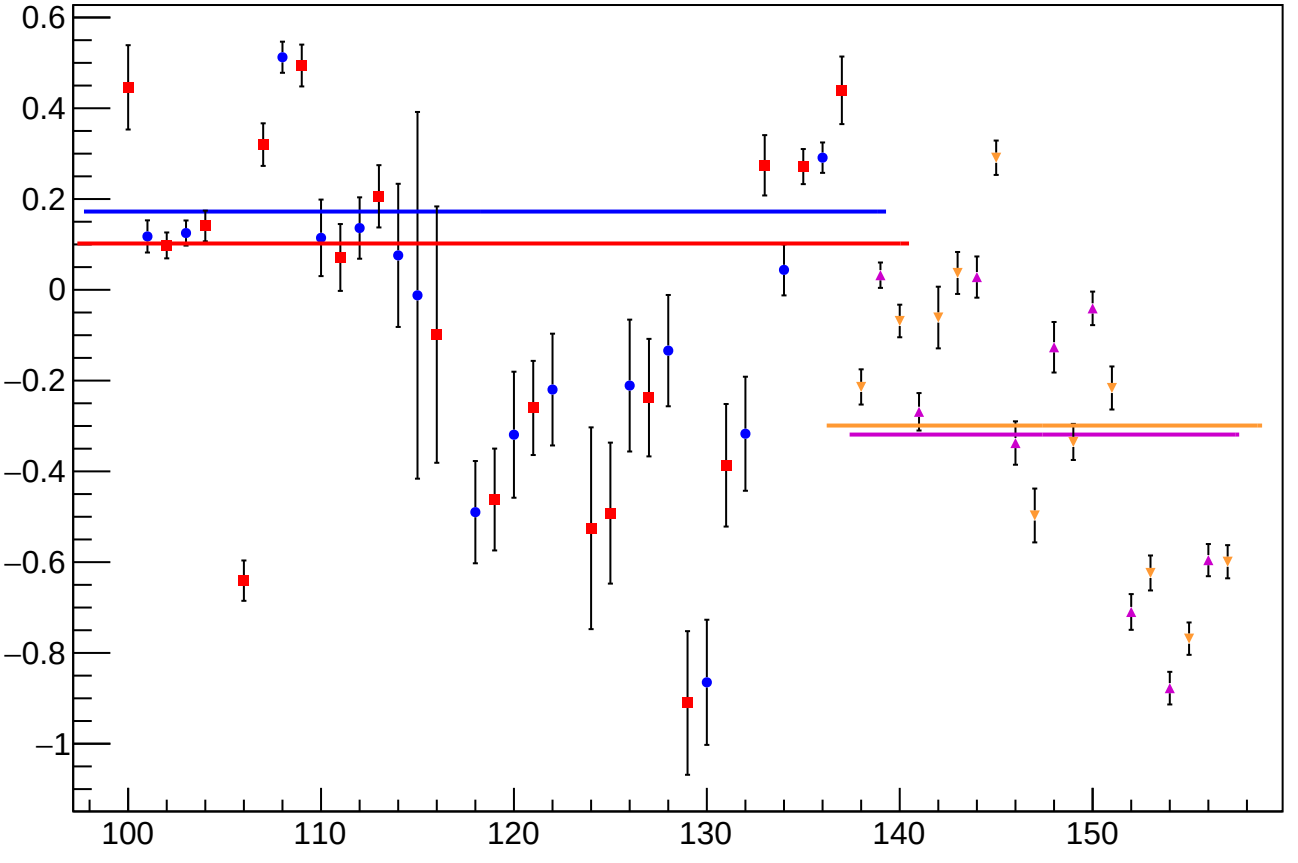
Left In: 85.253+/-0.302 χ^2/NDF:394.0/8

+ sign 68.888+/-0.207 χ^2/NDF: 36114.2/26

All: 66.687+/-0.146 χ^2/NDF: 74563.6/54

- sign 64.486+/-0.207 χ^2/NDF: 38223.3/27

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.299+/-0.013 χ^2/NDF:680.8/10

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

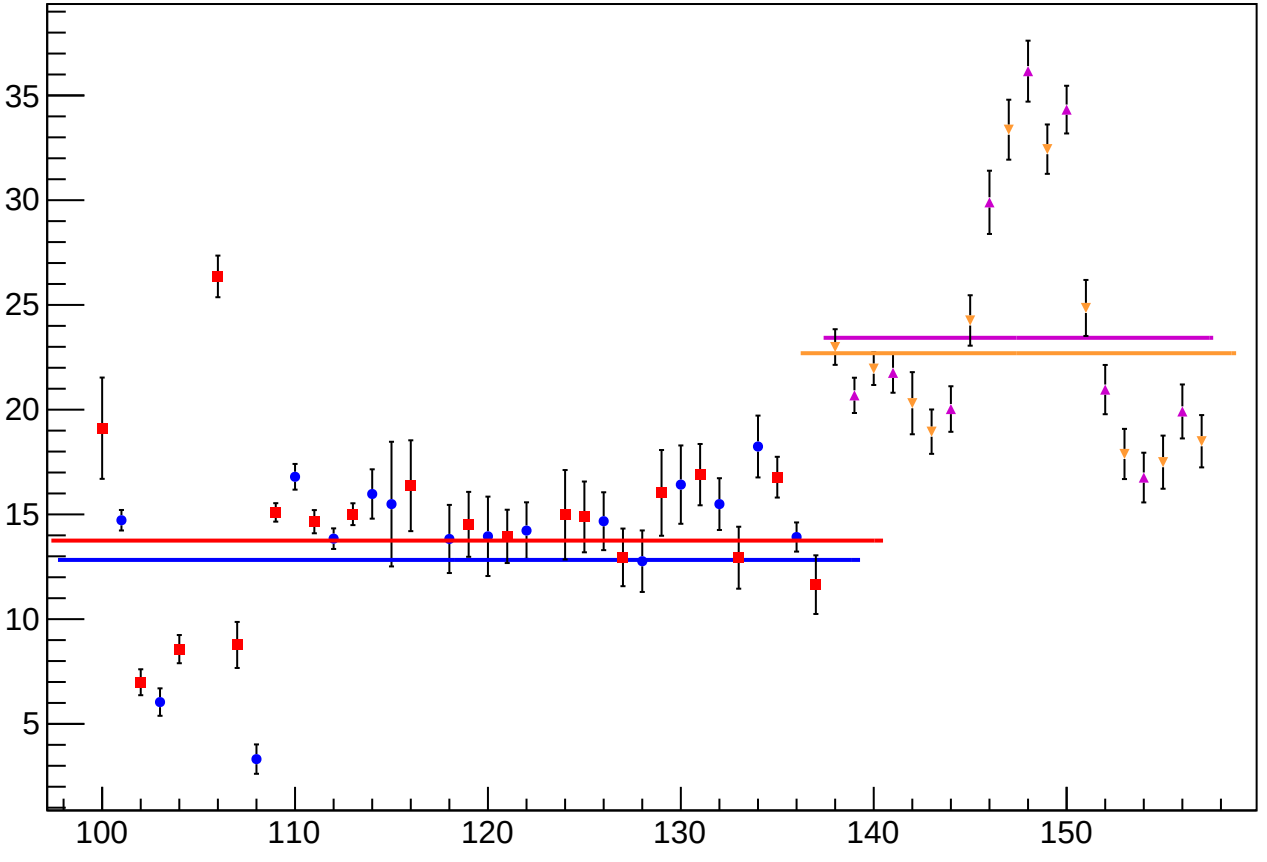
Left In: -0.319+/-0.013 χ^2/NDF:687.6/8

+ sign -0.092+/-0.009 χ^2/NDF: 1568.9/26

All: -0.105+/-0.007 χ^2/NDF: 3331.3/54

- sign -0.118+/-0.009 χ^2/NDF: 1758.6/27

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.695+/-0.337 χ^2/NDF:188.6/10

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

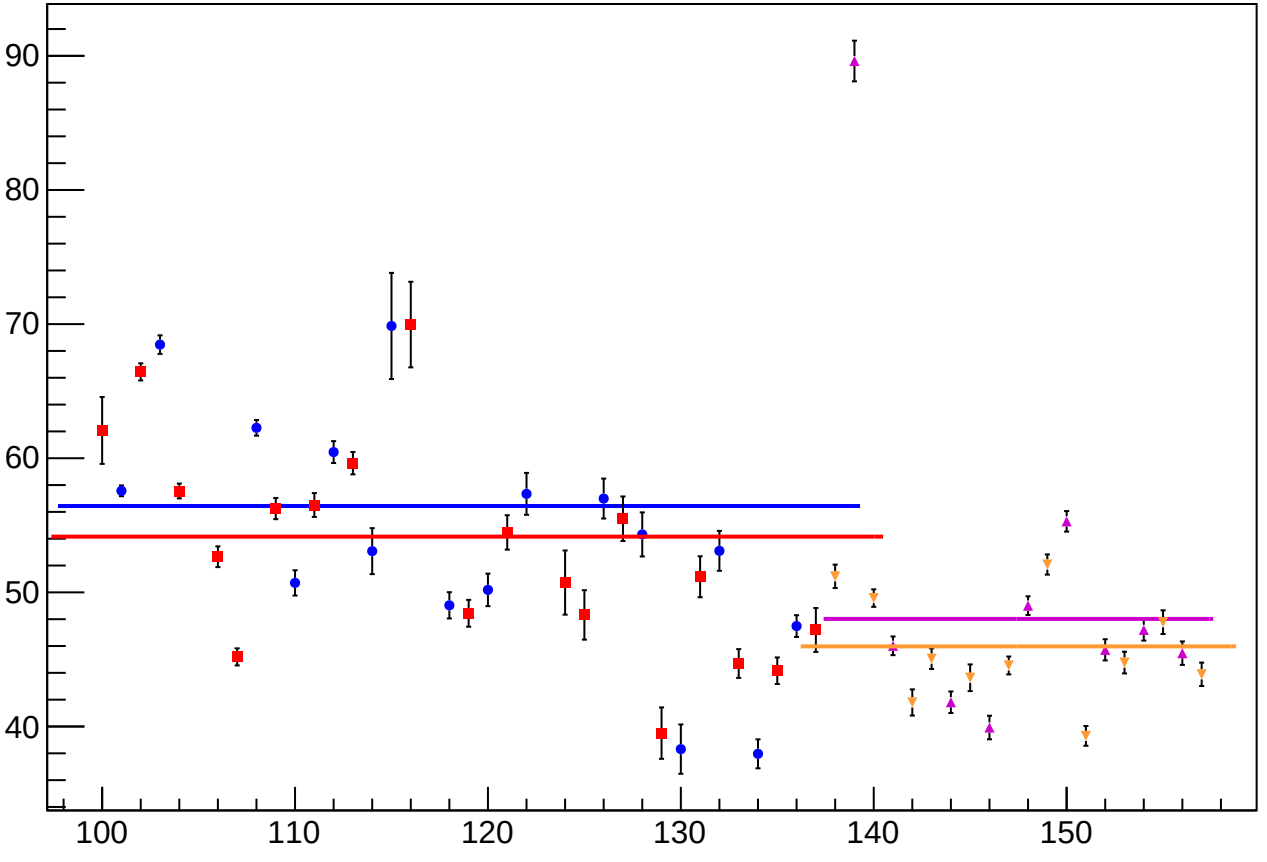
Left In: 23.431+/-0.376 χ^2/NDF:253.4/8

+ sign 15.660+/-0.181 χ^2/NDF: 1186.8/26

All: 15.810+/-0.127 χ^2/NDF: 2358.1/54

- sign 15.956+/-0.179 χ^2/NDF: 1170.0/27

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 45.972+/-0.240 χ^2/NDF:255.9/10

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

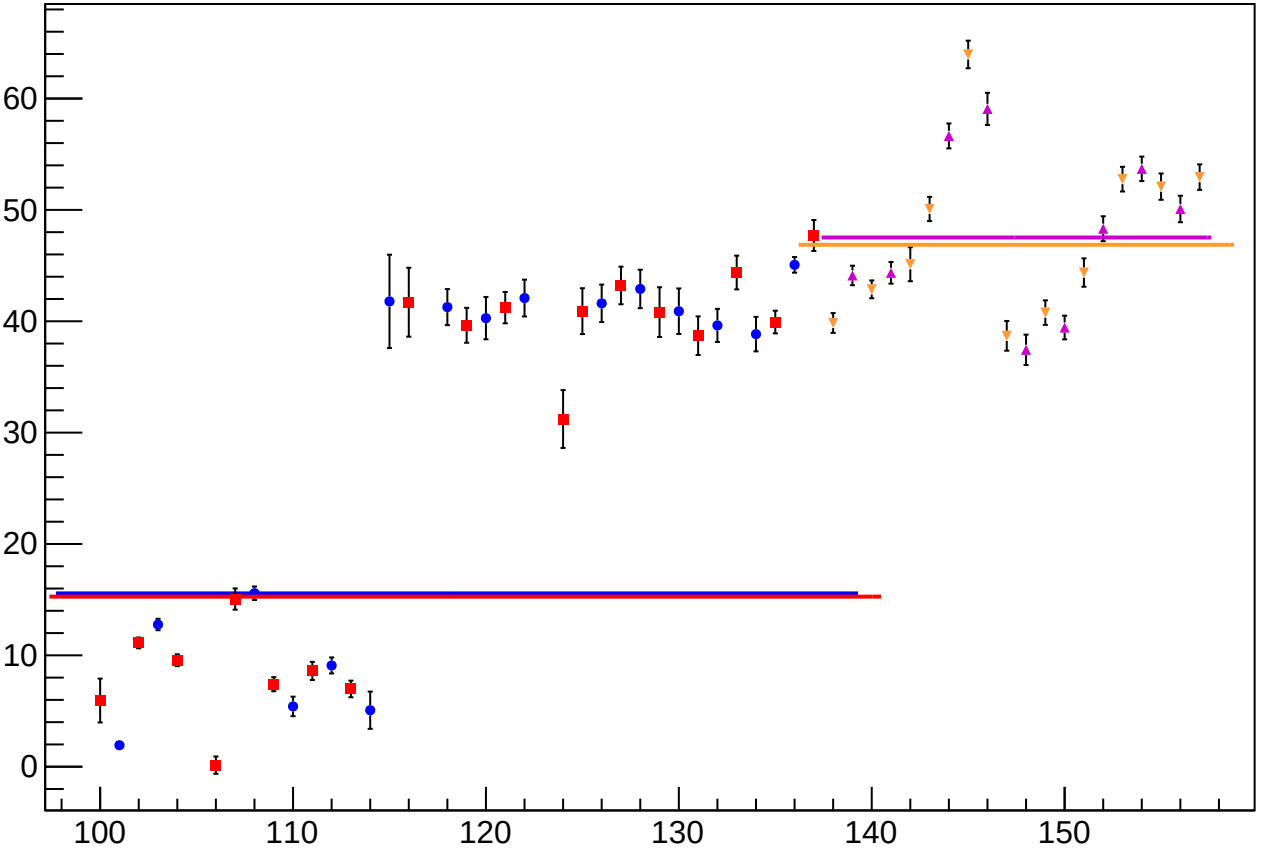
Left In: 48.021+/-0.271 χ^2/NDF:1015.1/8

+ sign 51.612+/-0.163 χ^2/NDF: 2370.4/26

All: 51.636+/-0.119 χ^2/NDF: 4695.5/54

- sign 51.663+/-0.173 χ^2/NDF: 2325.1/27

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.869+/-0.333 χ^2/NDF:435.8/10

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

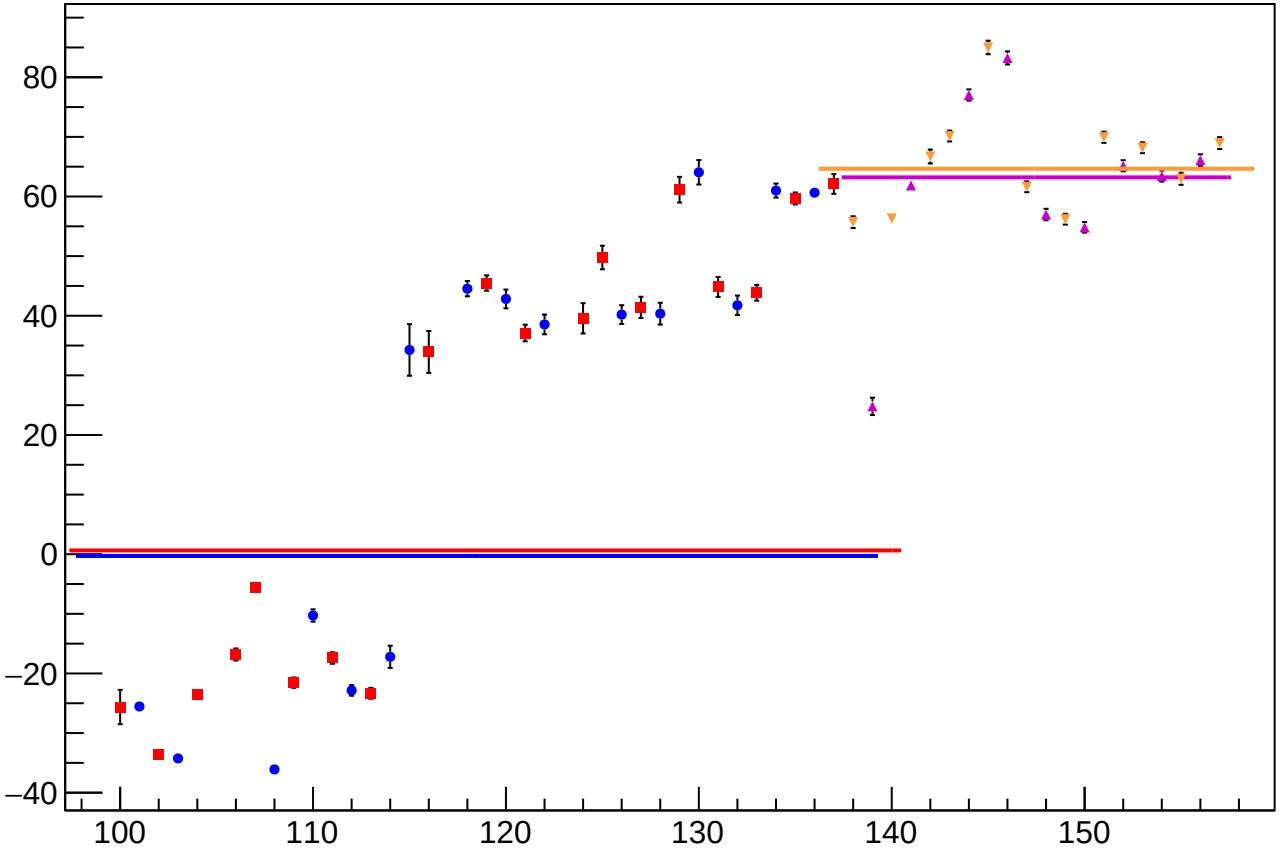
Left In: 47.522+/-0.368 χ^2/NDF:305.2/8

+ sign 24.727+/-0.180 χ^2/NDF: 11878.7/26

All: 24.243+/-0.130 χ^2/NDF: 21741.3/54

- sign 23.713+/-0.188 χ^2/NDF: 9847.5/27

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.655+/-0.287 χ^2/NDF:721.9/10

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

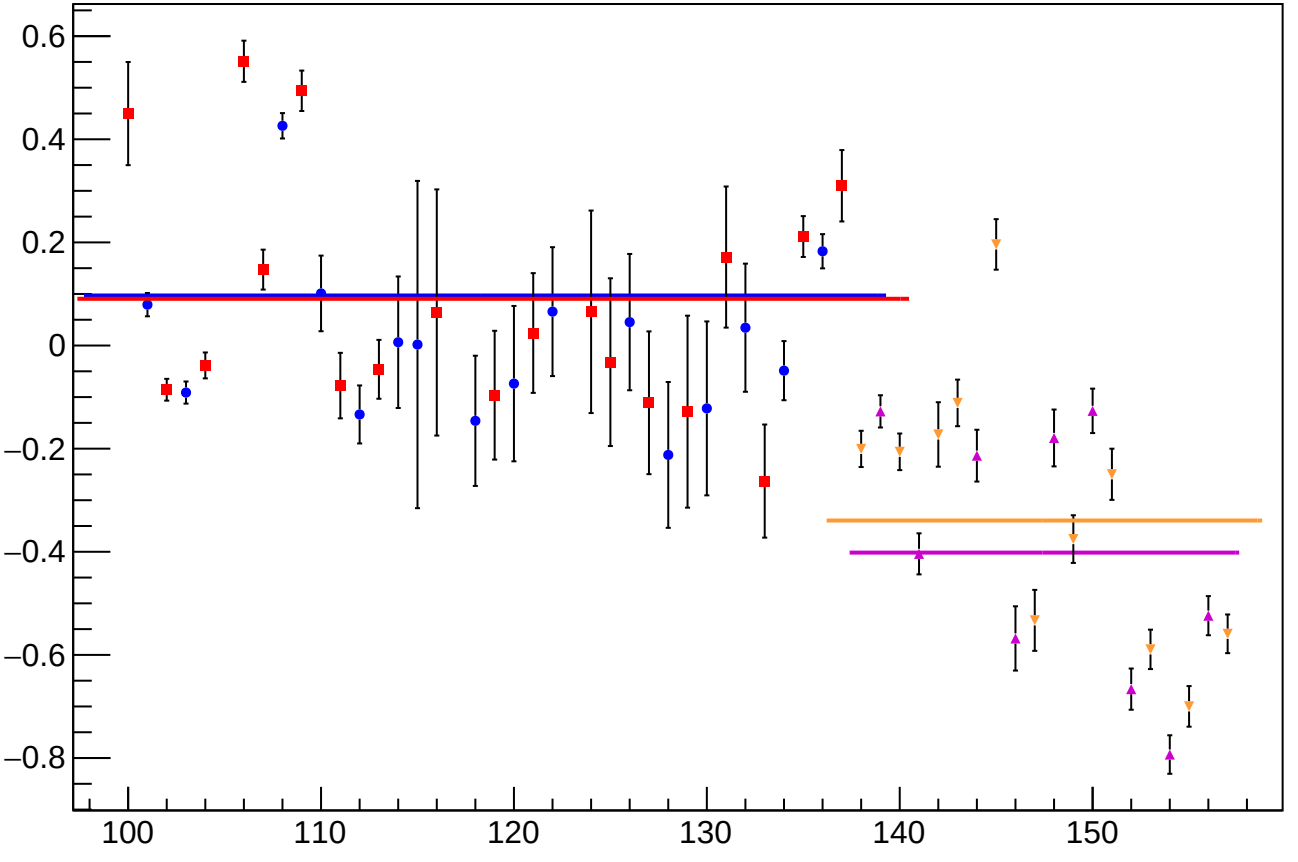
Left In: 63.207+/-0.323 χ^2/NDF:1391.5/8

+ sign 29.103+/-0.193 χ^2/NDF: 49697.9/26

All: 27.472+/-0.140 χ^2/NDF: 89798.8/54

- sign 25.654+/-0.204 χ^2/NDF: 39950.6/27

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.339+/-0.013 χ^2/NDF:357.1/10

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

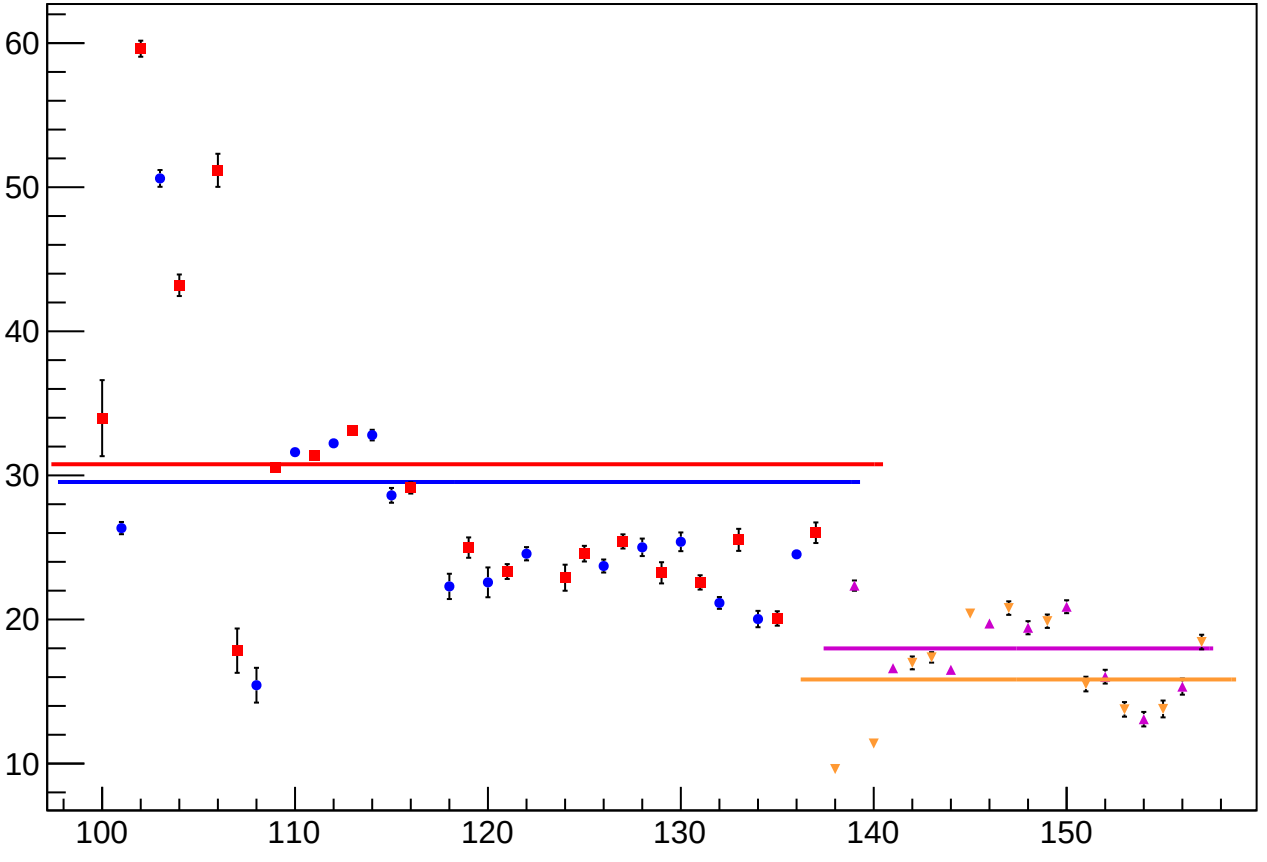
Left In: -0.402+/-0.014 χ^2/NDF:319.1/8

+ sign -0.090+/-0.008 χ^2/NDF: 1305.0/26

All: -0.099+/-0.006 χ^2/NDF: 2778.9/54

- sign -0.108+/-0.009 χ^2/NDF: 1471.7/27

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.837+/-0.118 χ^2/NDF:1163.7/10

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

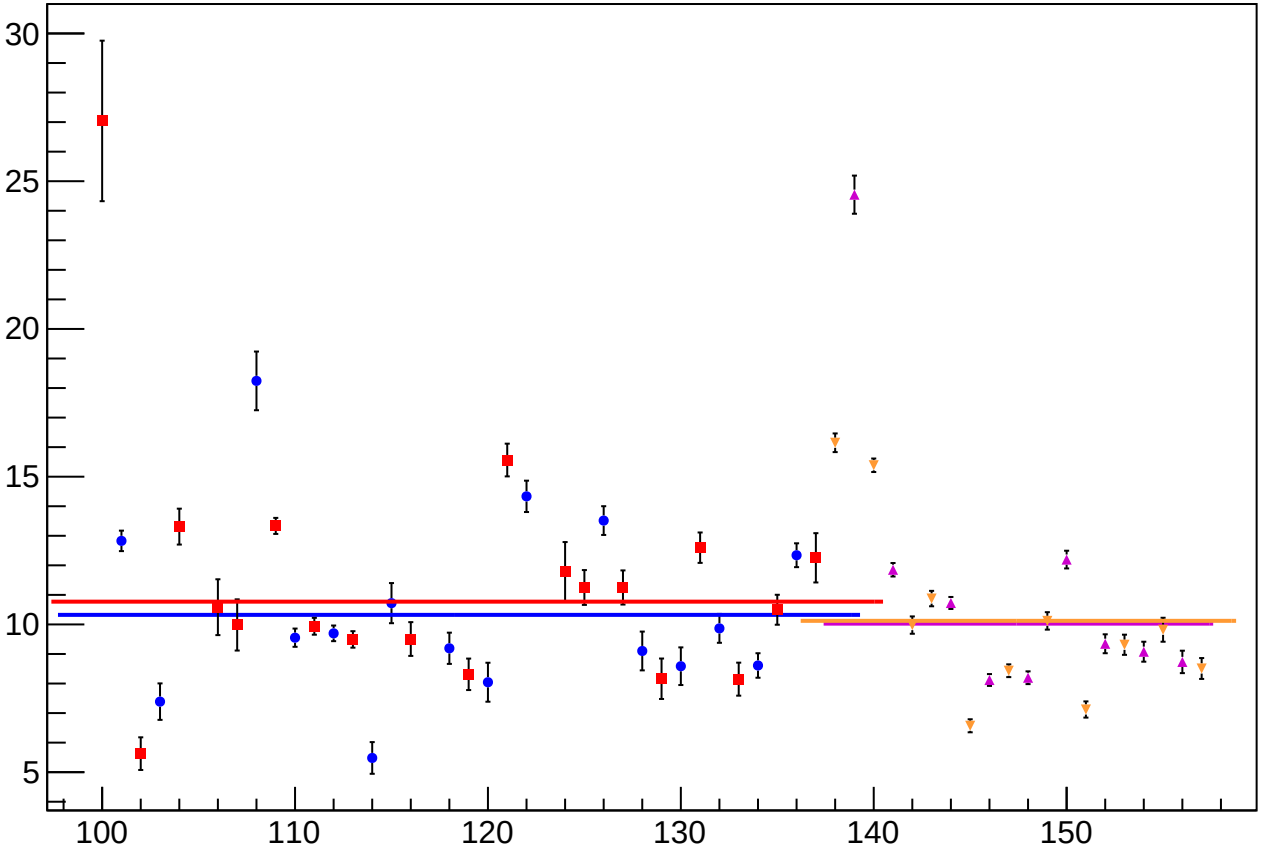
Left In: 17.991+/-0.128 χ^2/NDF:407.4/8

+ sign 24.351+/-0.072 χ^2/NDF: 12949.4/26

All: 25.860+/-0.050 χ^2/NDF: 26383.9/54

- sign 27.189+/-0.068 χ^2/NDF: 12618.6/27

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.122+/-0.083 χ^2/NDF:1371.7/10

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

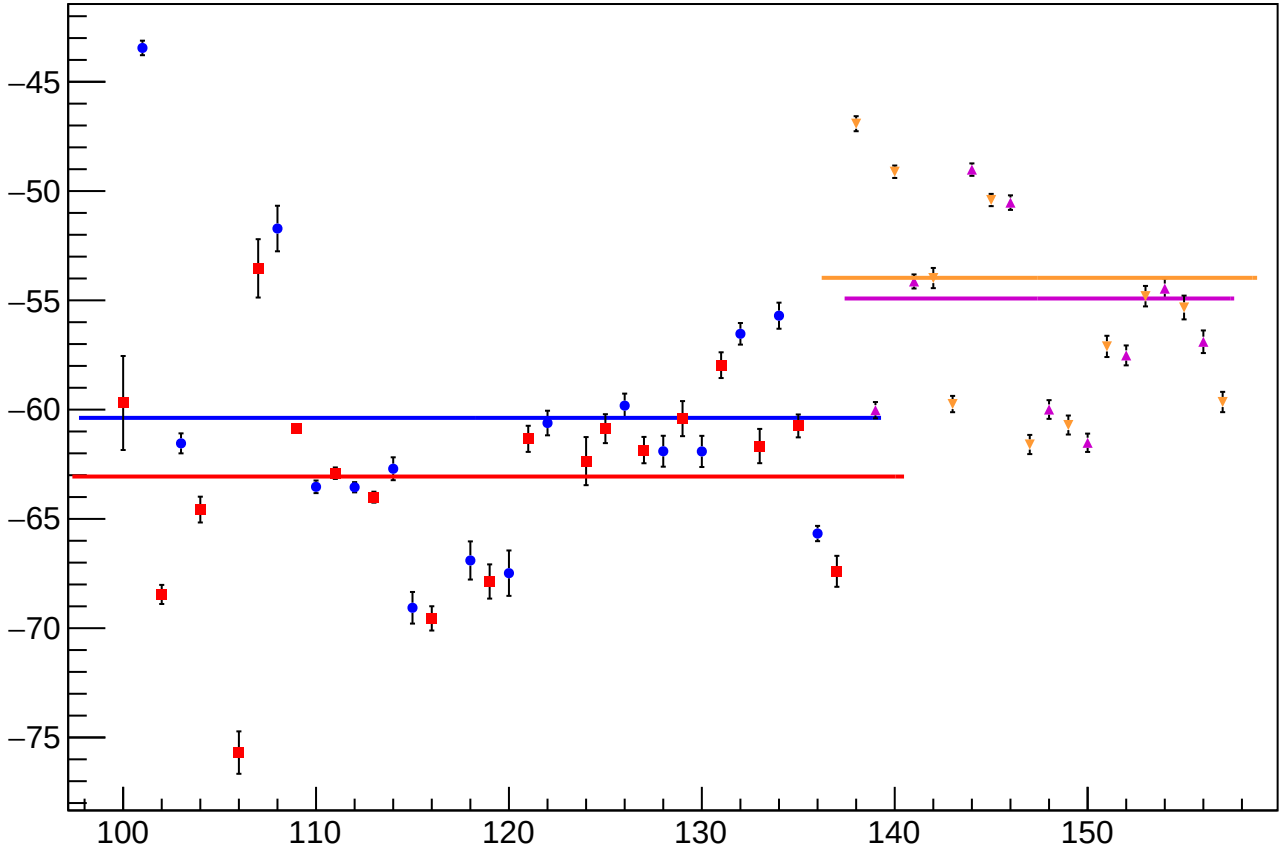
Left In: 10.027+/-0.088 χ^2/NDF:820.4/8

+ sign 10.192+/-0.067 χ^2/NDF: 1776.4/26

All: 10.248+/-0.048 χ^2/NDF: 3040.9/54

- sign 10.309+/-0.069 χ^2/NDF: 1263.1/27

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.970+/-0.117 χ^2/NDF:1854.6/10

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

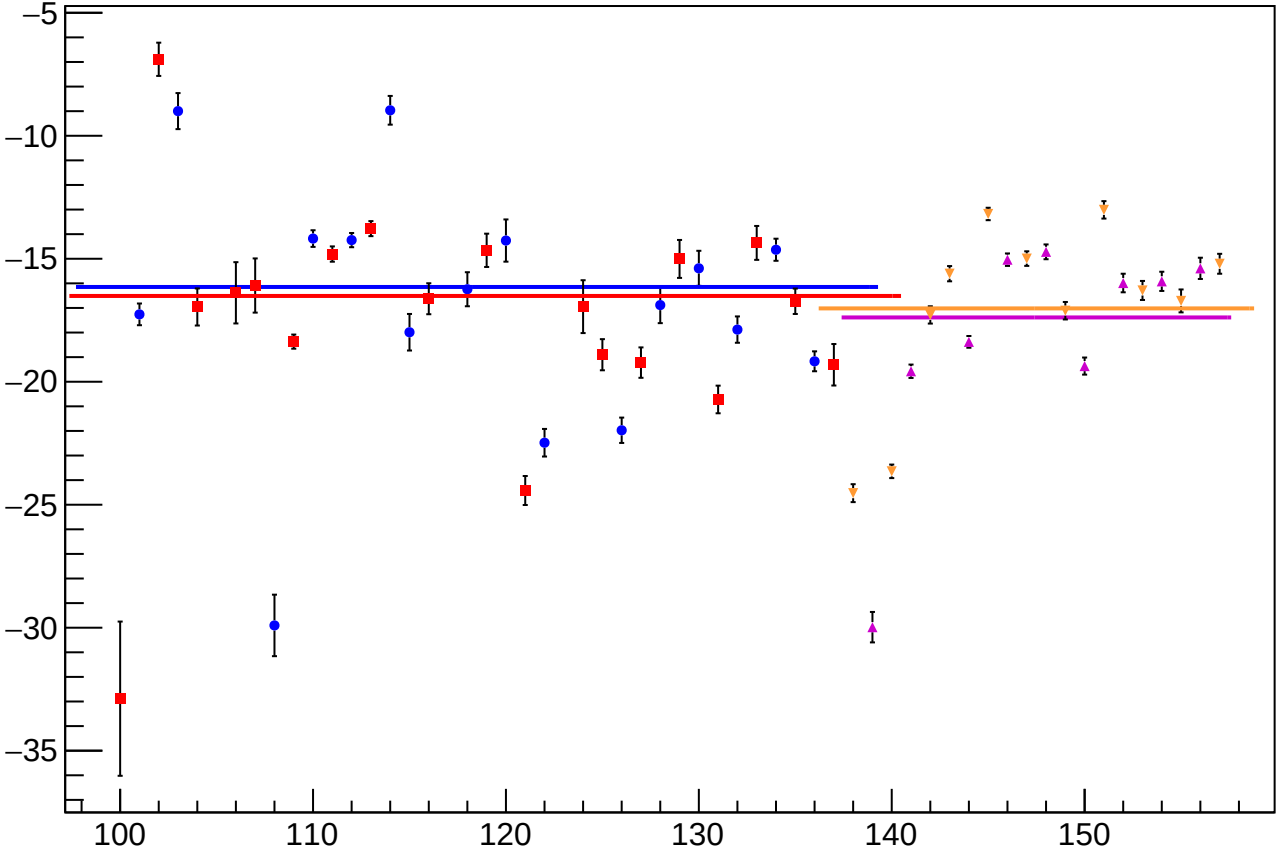
Left In: -54.915+/-0.126 χ^2/NDF:1234.4/8

\+ sign -57.293+/-0.081 χ^2/NDF: 6999.6/26

All: -58.468+/-0.058 χ^2/NDF: 11909.4/54

\- sign -59.654+/-0.082 χ^2/NDF: 4491.3/27

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.018+/-0.100 χ^2/NDF:1456.3/10

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

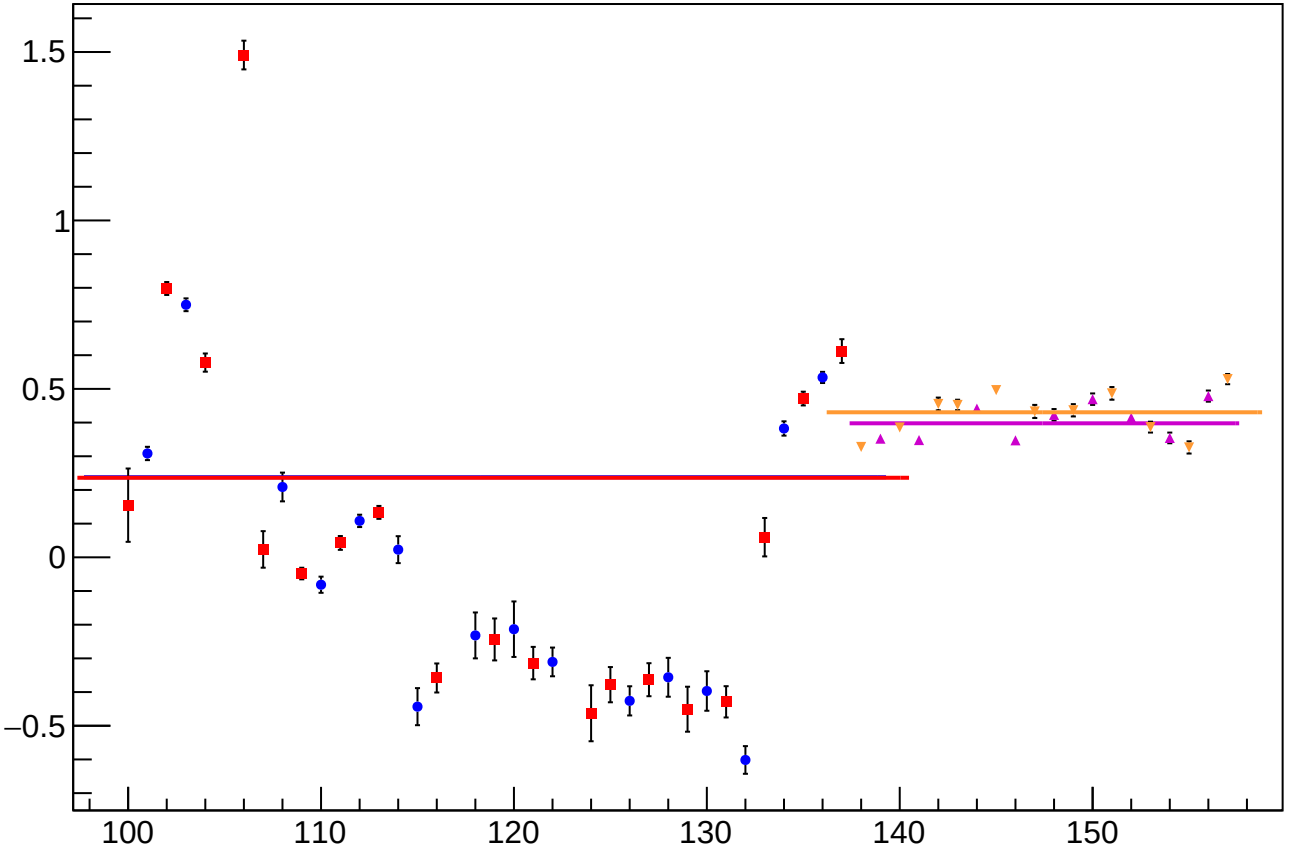
Left In: -17.386+/-0.107 χ^2/NDF:741.7/8

+ sign -16.685+/-0.079 χ^2/NDF: 2282.3/26

All: -16.845+/-0.056 χ^2/NDF: 3745.6/54

- sign -17.016+/-0.081 χ^2/NDF: 1454.7/27

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.431+/-0.005 χ^2/NDF:197.8/10

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

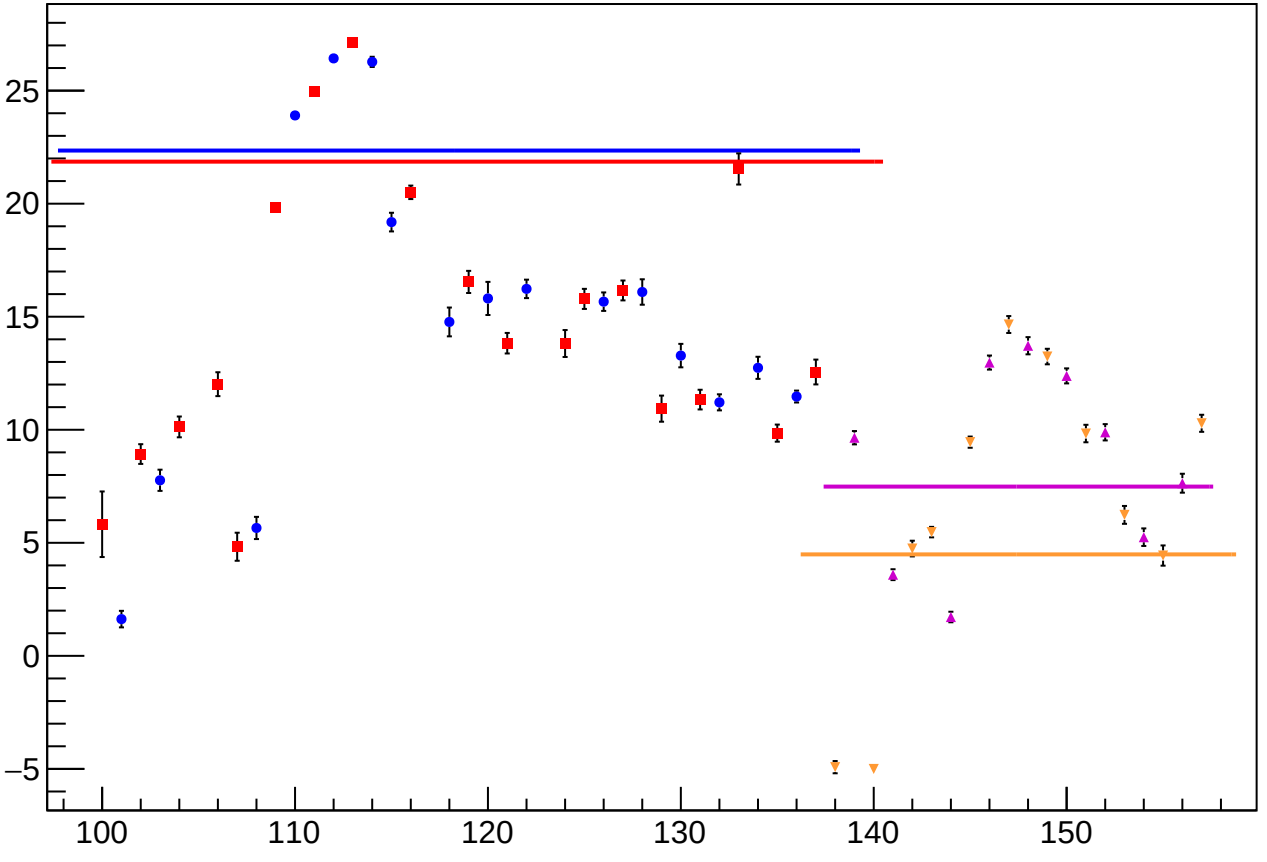
Left In: 0.398+/-0.005 χ^2/NDF:102.4/8

+ sign 0.372+/-0.004 χ^2/NDF: 3349.7/26

All: 0.359+/-0.003 χ^2/NDF: 7419.7/54

- sign 0.345+/-0.004 χ^2/NDF: 4046.3/27

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.488+/-0.092 χ^2/NDF:5426.4/10

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

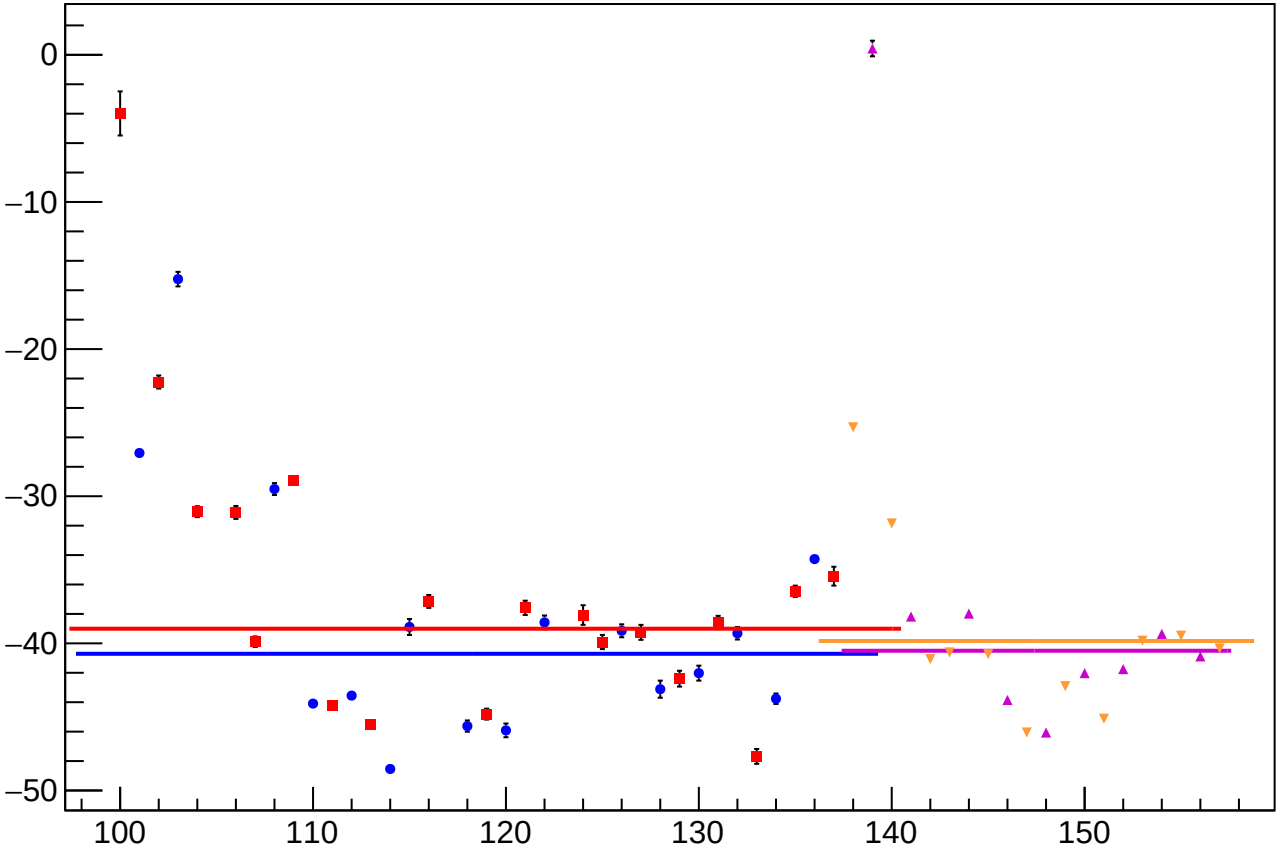
Left In: 7.486+/-0.103 χ^2/NDF:1801.7/8

\+ sign 17.416+/-0.048 χ^2/NDF: 45319.2/26

All: 18.571+/-0.032 χ^2/NDF: 74922.6/54

\- sign 19.461+/-0.042 χ^2/NDF: 28583.5/27

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.840+/-0.064 χ^2/NDF:7313.7/10

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

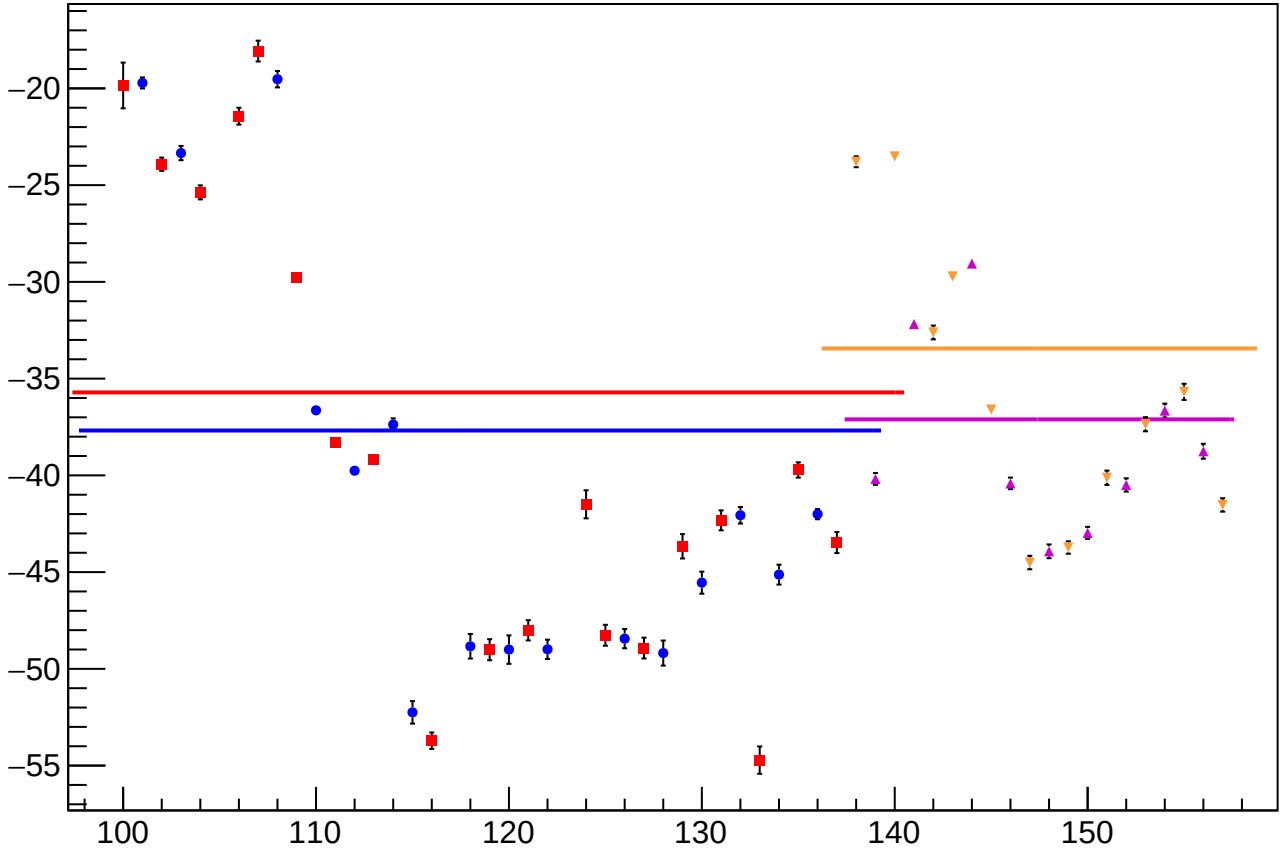
Left In: -40.503+/-0.072 χ^2/NDF:7698.4/8

+ sign -40.201+/-0.049 χ^2/NDF: 15169.5/26

All: -39.979+/-0.035 χ^2/NDF: 33230.7/54

- sign -39.746+/-0.051 χ^2/NDF: 18019.7/27

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.442+/-0.091 χ^2/NDF:6650.6/10

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

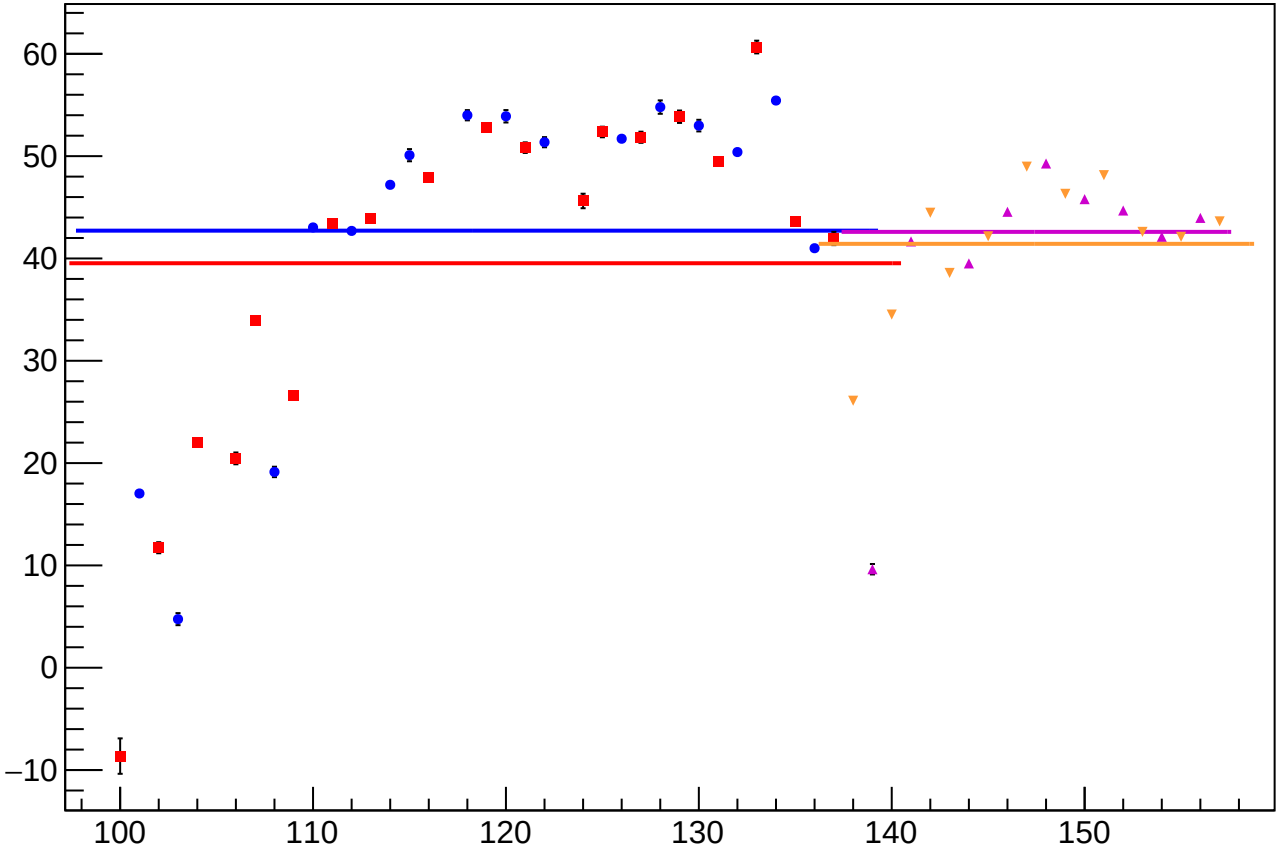
Left In: -37.106+/-0.102 χ^2/NDF:2586.7/8

+ sign -36.001+/-0.057 χ^2/NDF: 18813.7/26

All: -36.059+/-0.039 χ^2/NDF: 34810.7/54

- sign -36.111+/-0.054 χ^2/NDF: 15995.0/27

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.428+/-0.078 χ^2/NDF:6033.6/10

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

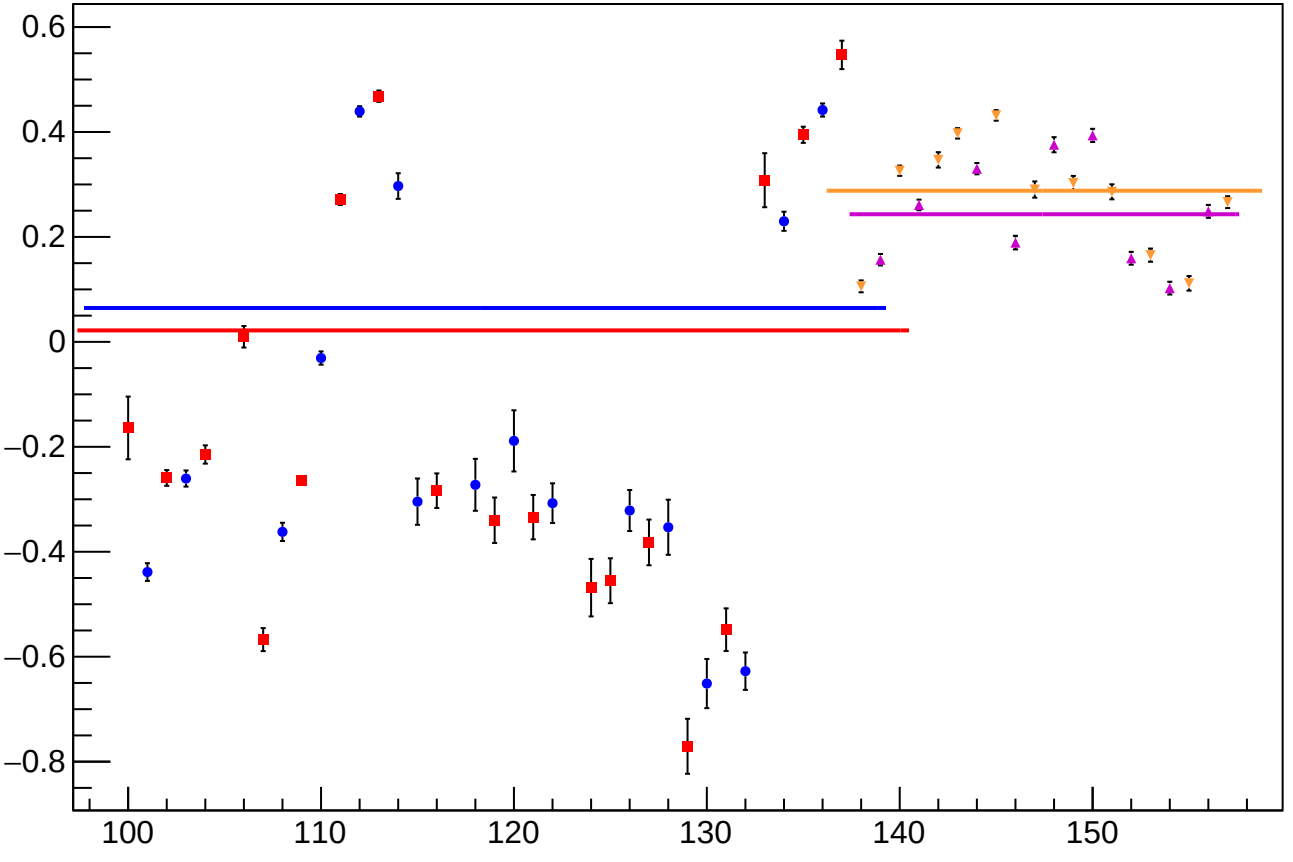
Left In: 42.599+/-0.086 χ^2/NDF:5459.3/8

+ sign 42.014+/-0.057 χ^2/NDF: 20924.0/26

All: 41.470+/-0.041 χ^2/NDF: 45236.4/54

- sign 40.913+/-0.058 χ^2/NDF: 24130.0/27

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.288+/-0.004 χ^2/NDF:872.1/10

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

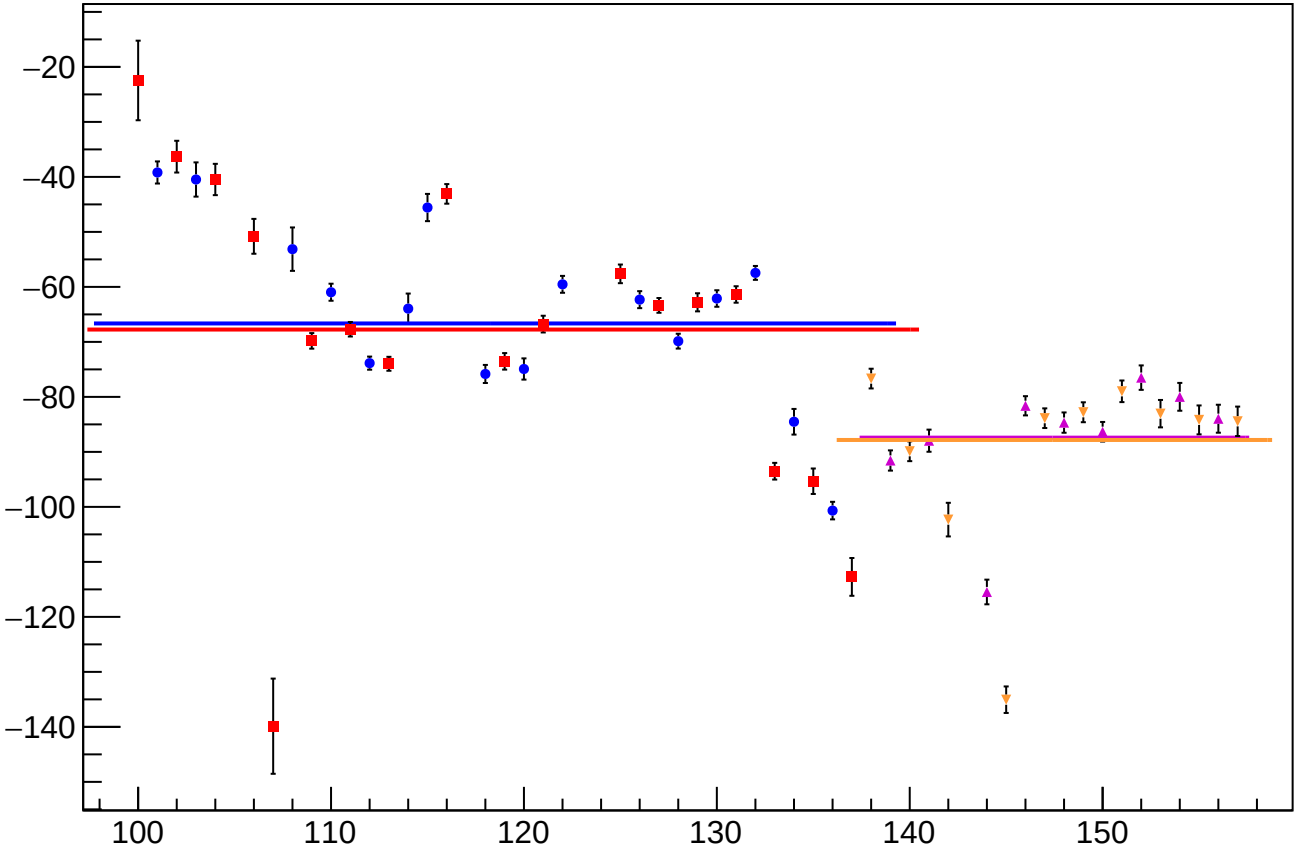
Left In: 0.243+/-0.004 χ^2/NDF:554.8/8

+ sign 0.208+/-0.003 χ^2/NDF: 7737.8/26

All: 0.176+/-0.002 χ^2/NDF: 16344.2/54

- sign 0.144+/-0.003 χ^2/NDF: 8363.6/27

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -87.833+/-0.671 χ^2/NDF:486.3/9

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

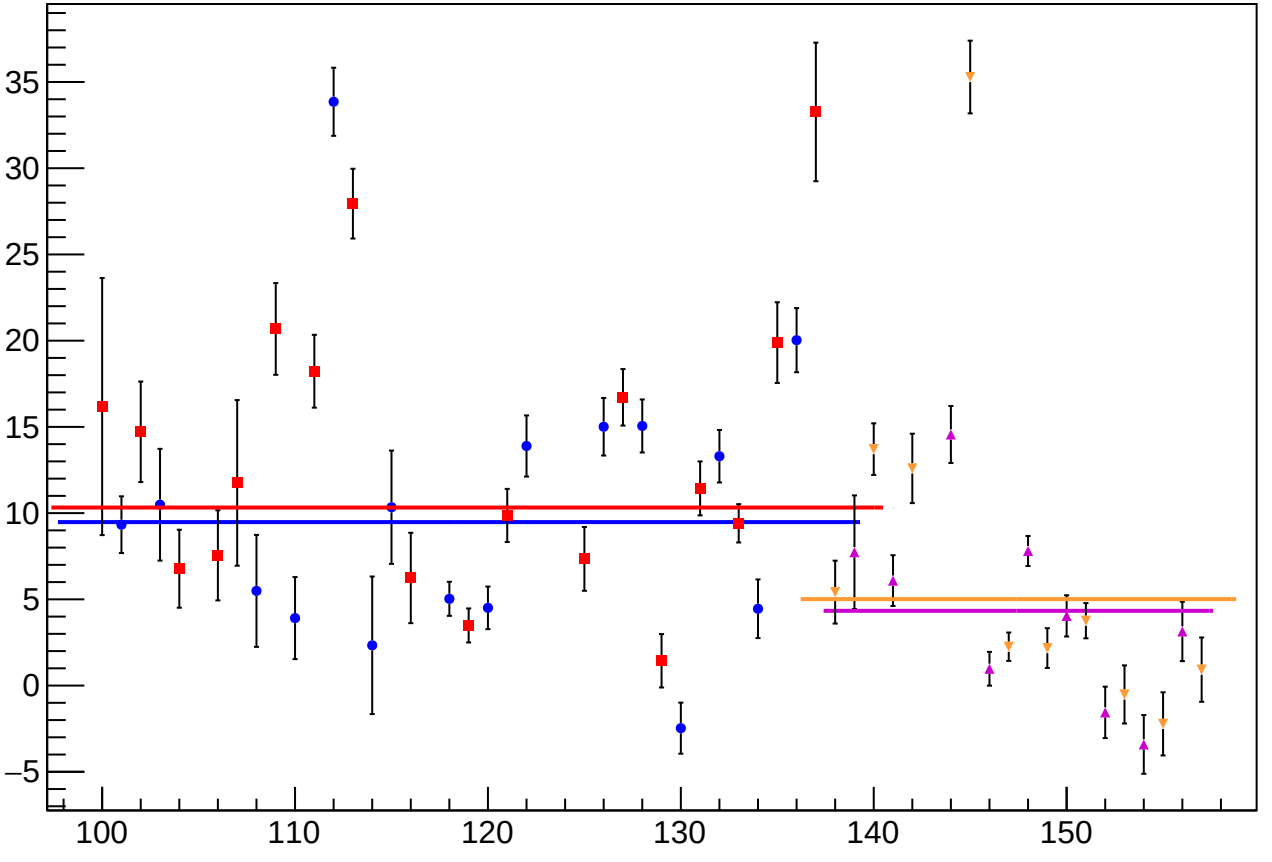
Left In: -87.412+/-0.676 χ^2/NDF:209.8/8

+ sign -72.737+/-0.360 χ^2/NDF: 2249.2/25

All: -72.982+/-0.253 χ^2/NDF: 4326.1/52

- sign -73.223+/-0.356 χ^2/NDF: 2076.0/26

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.012+/-0.432 χ^2/NDF:304.3/9

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

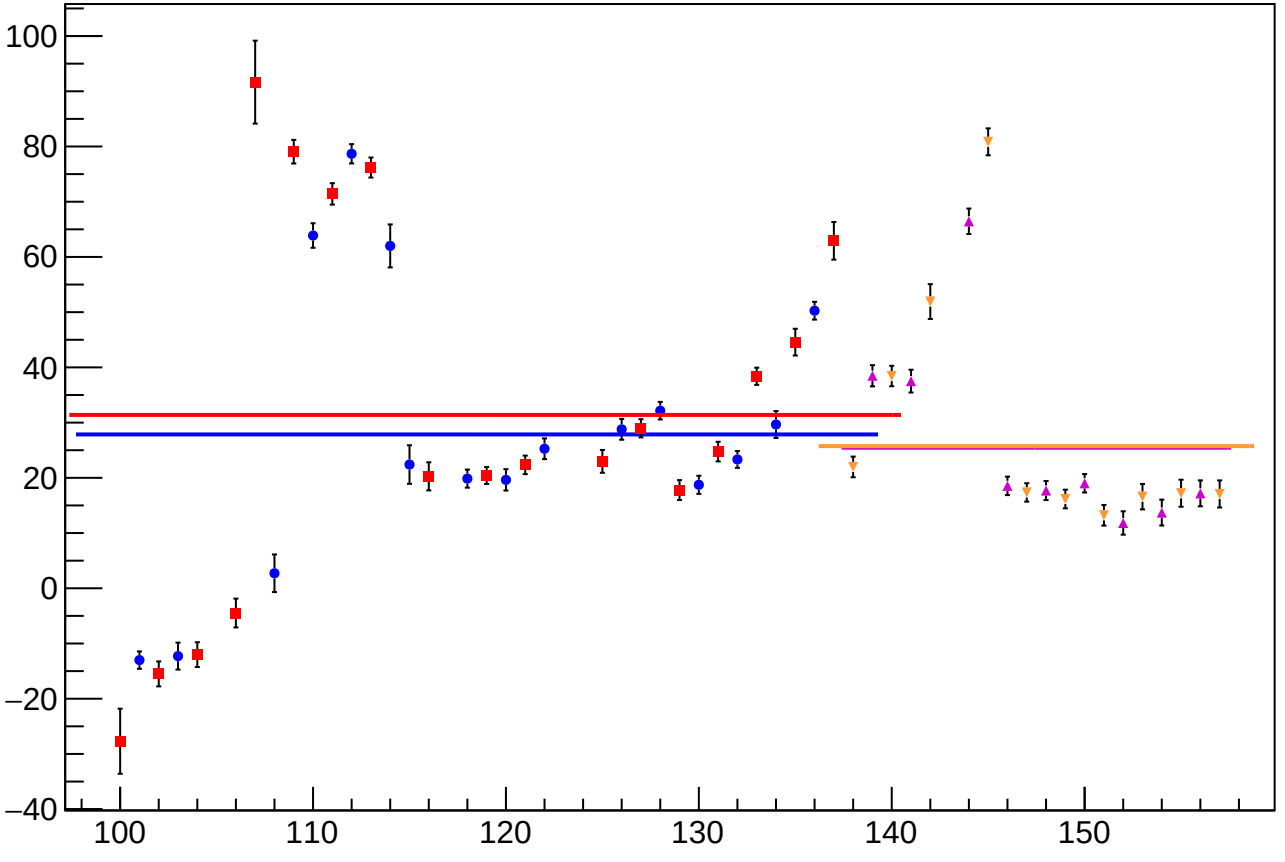
Left In: 4.335+/-0.442 χ^2/NDF:105.3/8

+ sign 7.268+/-0.304 χ^2/NDF: 700.1/25

All: 7.321+/-0.217 χ^2/NDF: 1161.9/52

- sign 7.375+/-0.310 χ^2/NDF: 461.8/26

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 25.743+/-0.651 χ^2/NDF:772.7/9

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

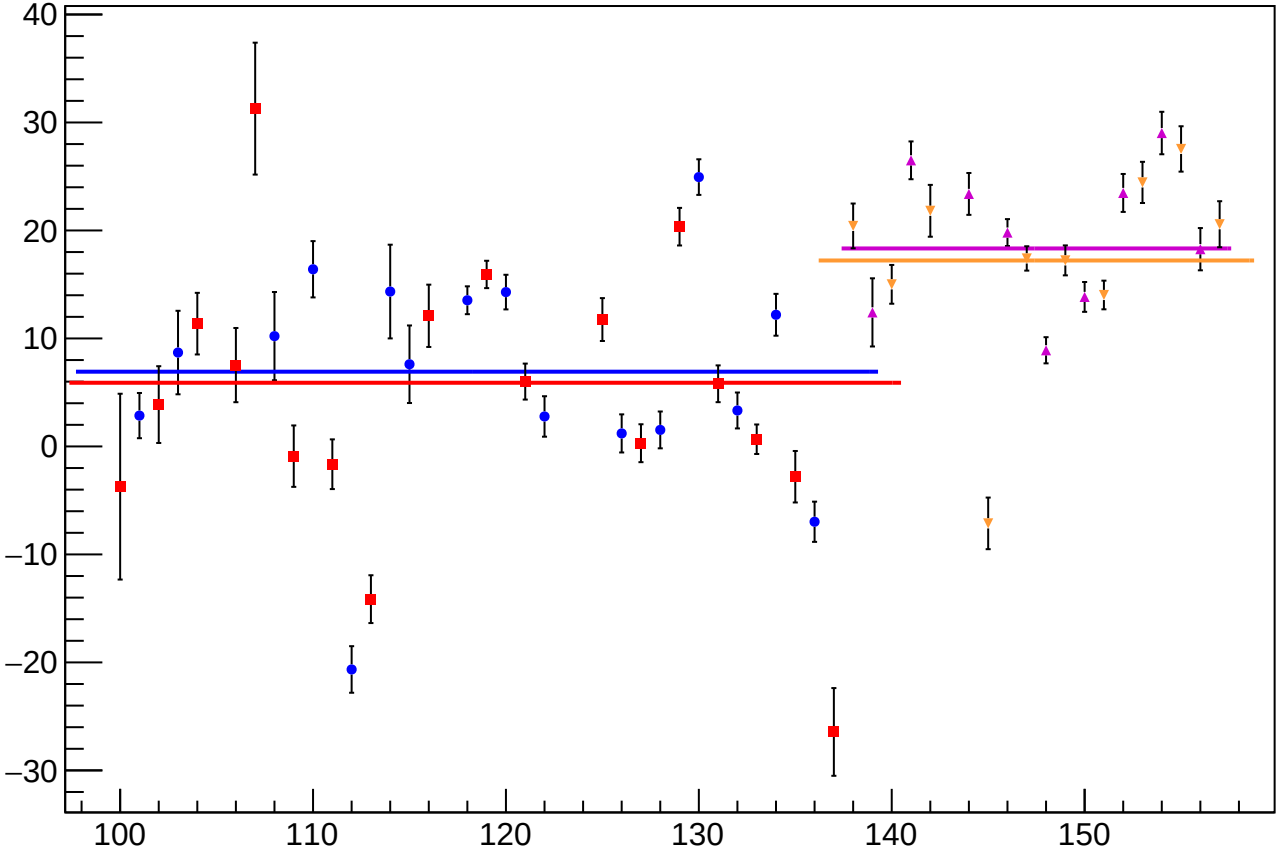
Left In: 25.456+/-0.655 χ^2/NDF:526.5/8

\+ sign 27.109+/-0.388 χ^2/NDF: 3253.5/25

All: 28.182+/-0.275 χ^2/NDF: 6859.8/52

\- sign 29.276+/-0.391 χ^2/NDF: 3590.8/26

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 17.220+/-0.535 χ^2/NDF:158.2/9

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

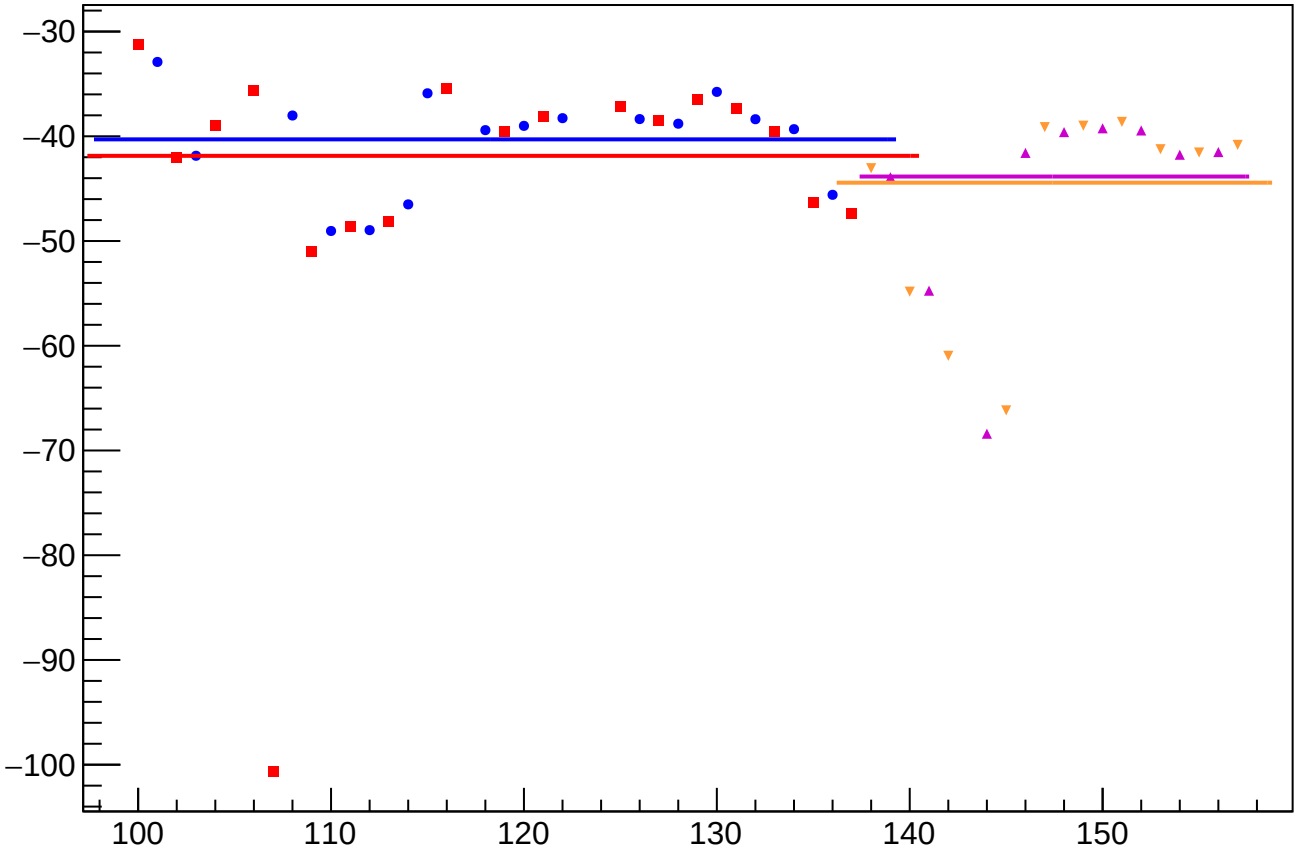
Left In: 18.334+/-0.544 χ^2/NDF:142.6/8

+ sign 11.672+/-0.364 χ^2/NDF: 801.7/25

All: 11.645+/-0.259 χ^2/NDF: 1594.6/52

- sign 11.617+/-0.369 χ^2/NDF: 792.9/26

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.430+/-0.026 χ^2/NDF:105724.0/9

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

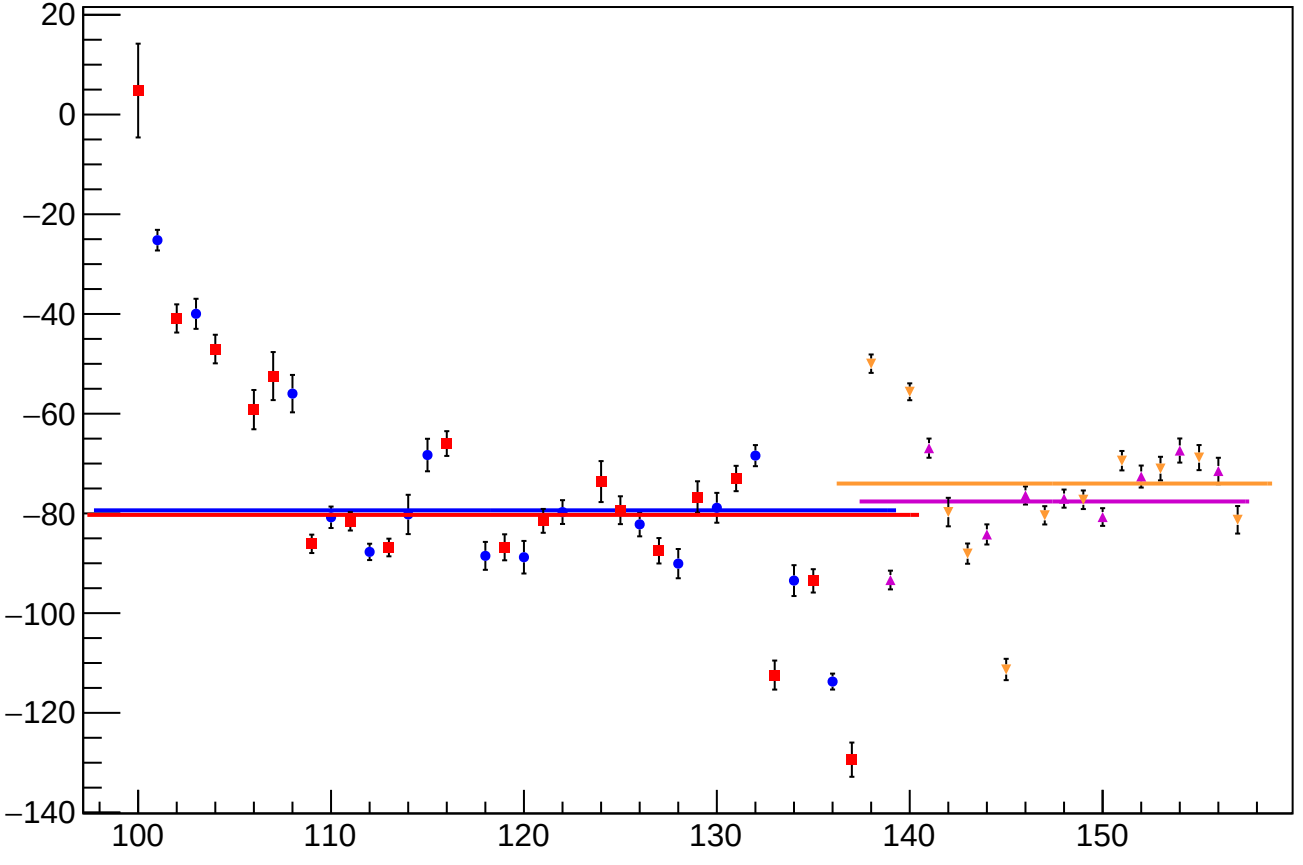
Left In: -43.844+/-0.025 χ^2/NDF:86976.9/8

+ sign -42.777+/-0.020 χ^2/NDF: 136810.2/25

All: -42.934+/-0.014 χ^2/NDF: 284992.7/52

- sign -43.090+/-0.020 χ^2/NDF: 148057.6/26

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.010+/-0.627 χ^2/NDF:676.9/10

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

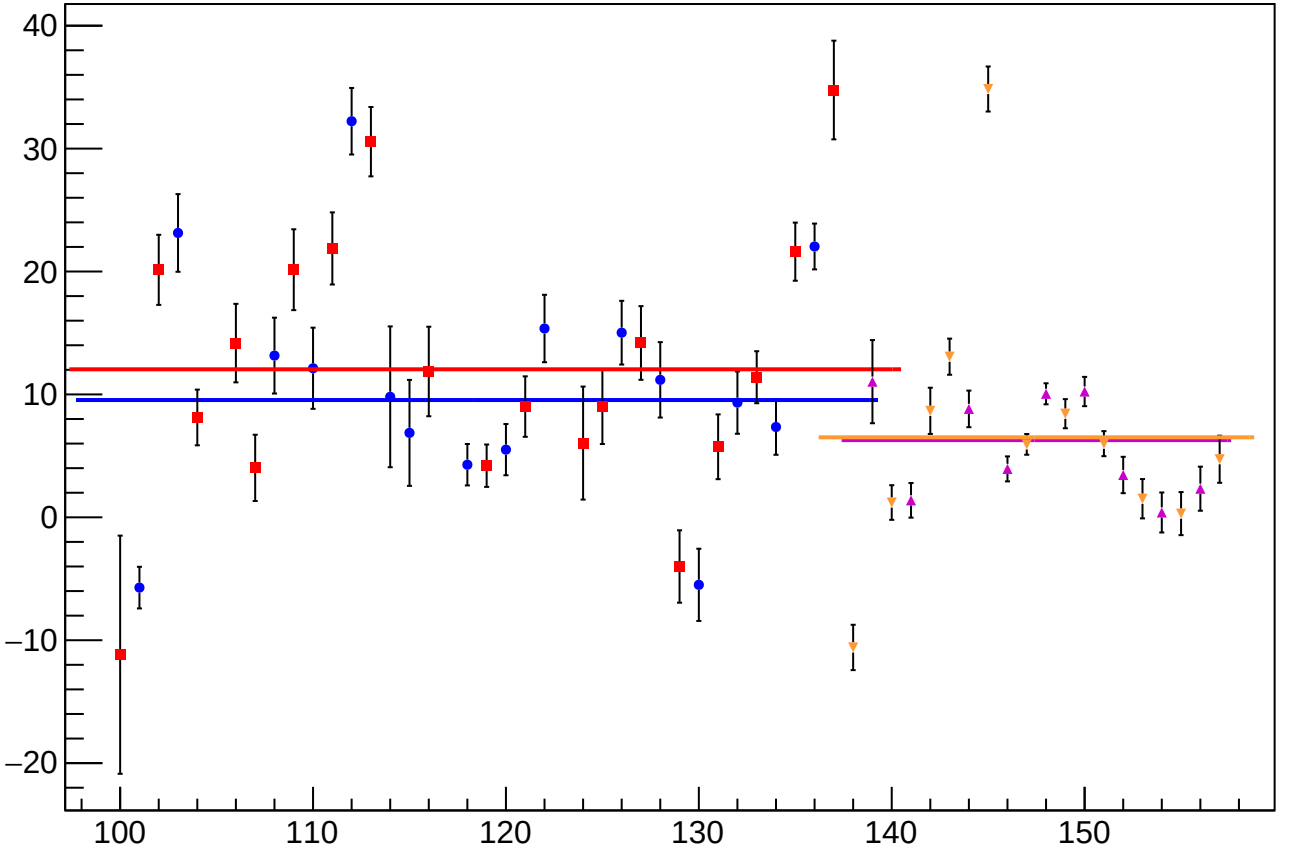
Left In: -77.605+/-0.668 χ^2/NDF:143.8/8

+ sign -76.766+/-0.438 χ^2/NDF: 2190.4/26

All: -77.898+/-0.313 χ^2/NDF: 3271.5/54

- sign -79.085+/-0.448 χ^2/NDF: 1067.4/27

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.509+/-0.411 χ^2/NDF:387.1/10

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

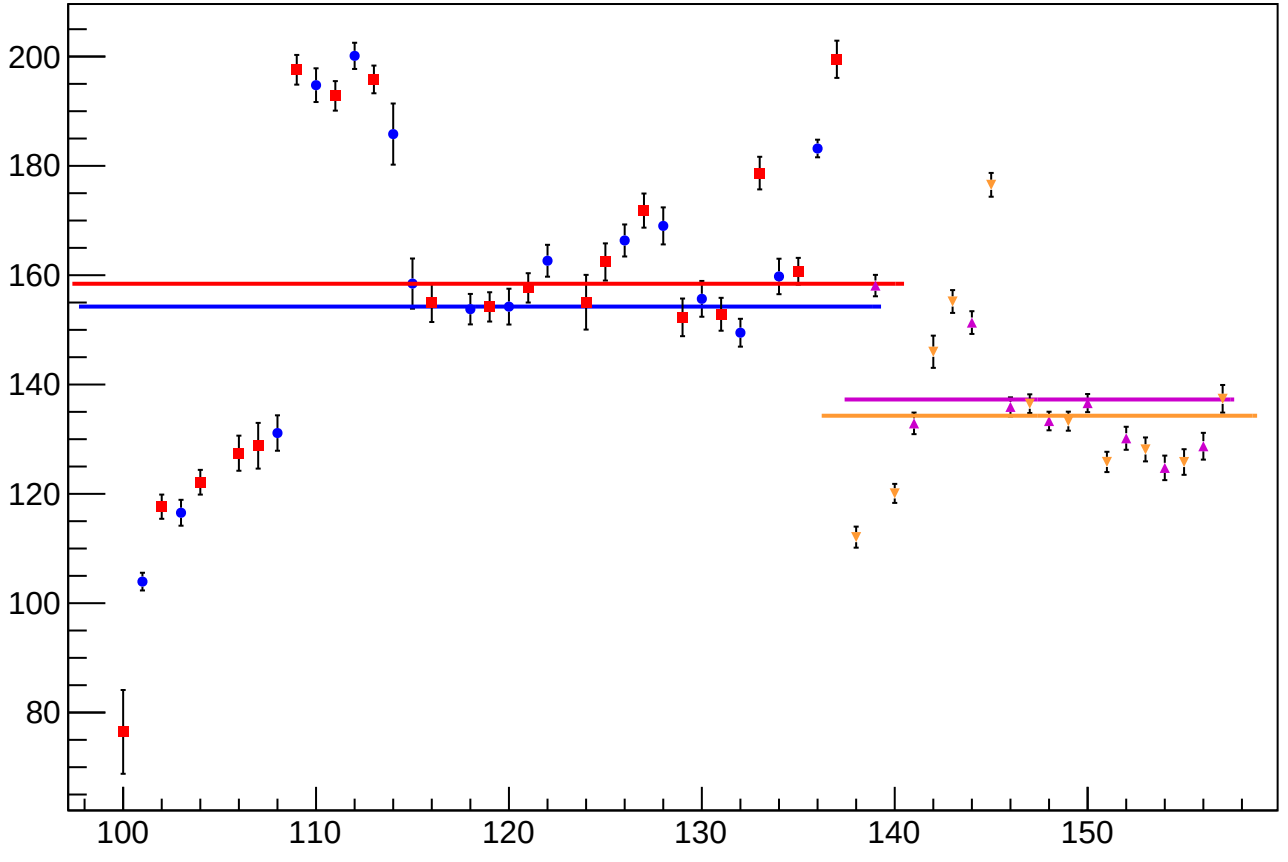
Left In: 6.282+/-0.437 χ^2/NDF:74.3/8

+ sign 7.433+/-0.343 χ^2/NDF: 670.8/26

All: 7.764+/-0.249 χ^2/NDF: 998.5/54

- sign 8.129+/-0.361 χ^2/NDF: 325.8/27

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.293+/-0.613 χ^2/NDF:737.0/10

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

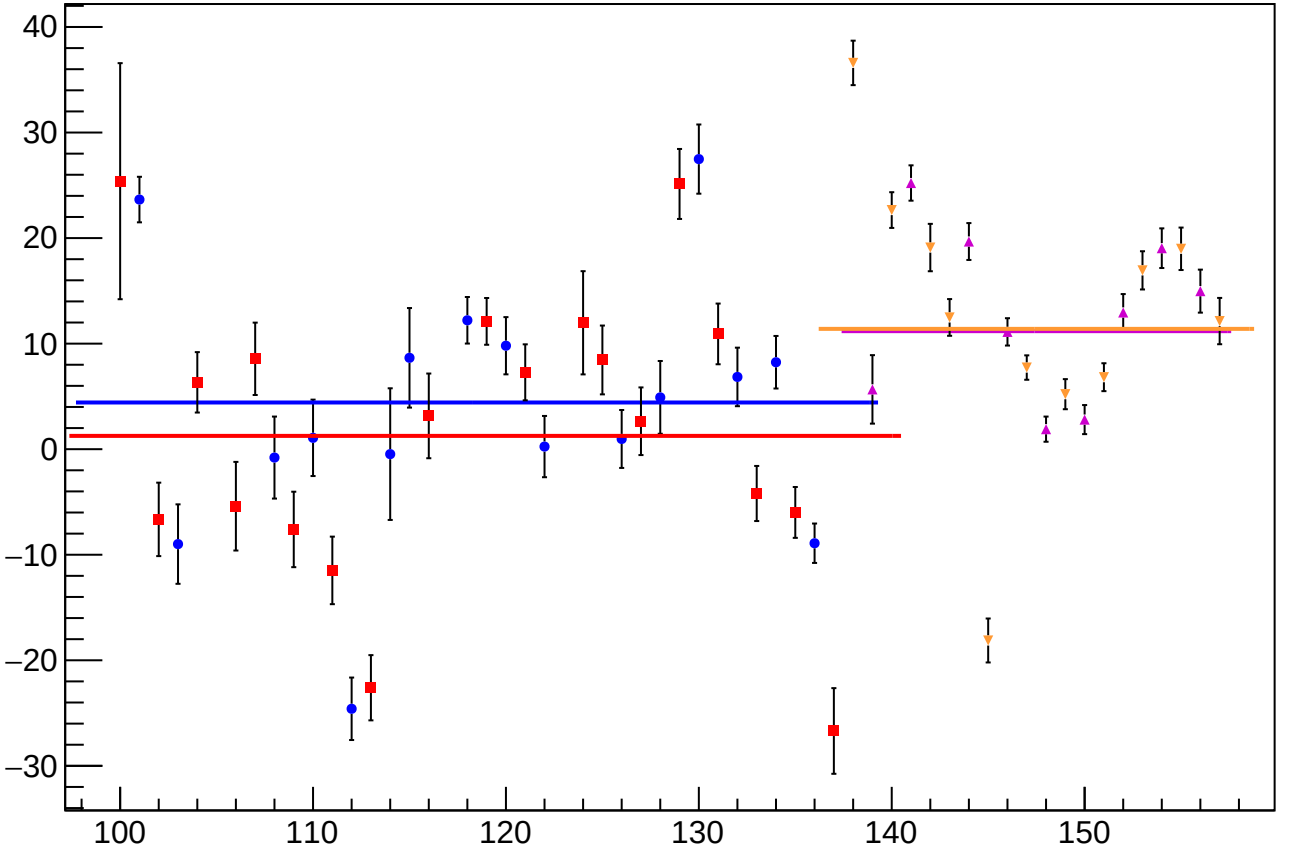
Left In: 137.263+/-0.648 χ^2/NDF:224.6/8

\+ sign 143.508+/-0.450 χ^2/NDF: 3441.0/26

All: 145.321+/-0.325 χ^2/NDF: 5869.7/54

\- sign 147.303+/-0.470 χ^2/NDF: 2394.7/27

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.399+/-0.506 χ^2/NDF:465.1/10

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

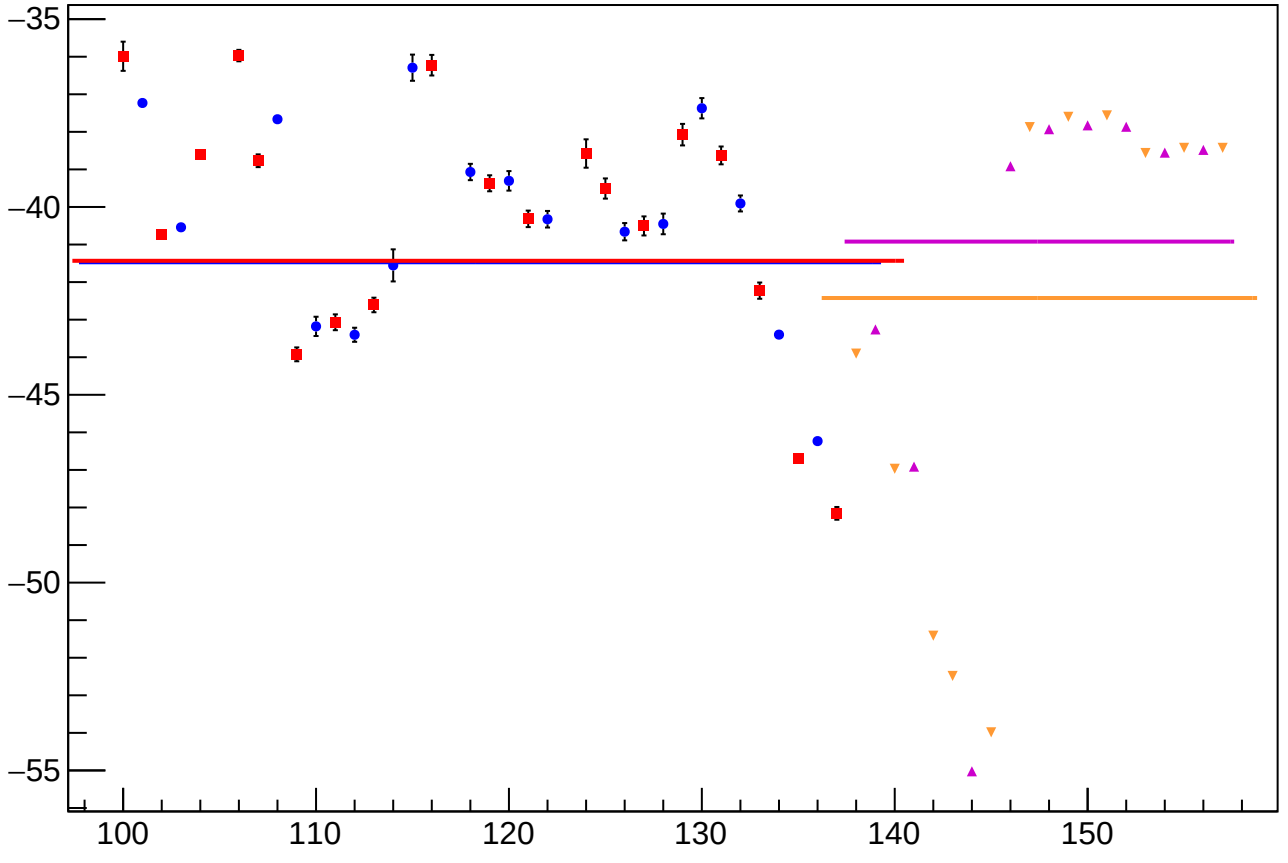
Left In: 11.182+/-0.538 χ^2/NDF:216.5/8

\+ sign 9.067+/-0.413 χ^2/NDF: 844.7/26

All: 8.418+/-0.299 χ^2/NDF: 1450.7/54

\- sign 7.703+/-0.433 χ^2/NDF: 600.8/27

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -42.423+/-0.024 χ^2/NDF:60669.7/10

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

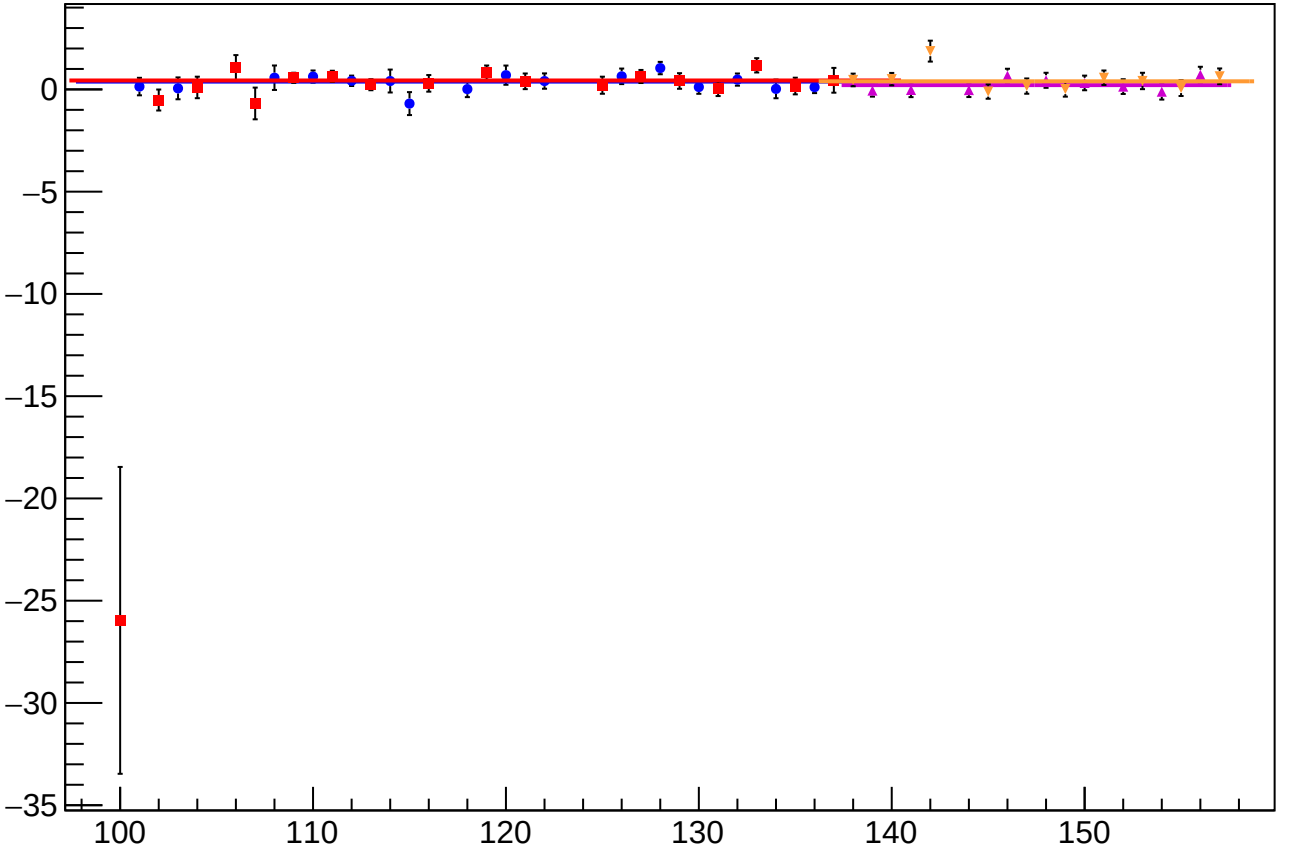
Left In: -40.922+/-0.025 χ^2/NDF:37849.4/8

+ sign -42.149+/-0.020 χ^2/NDF: 69025.6/26

All: -41.627+/-0.015 χ^2/NDF: 116571.2/54

- sign -41.068+/-0.021 χ^2/NDF: 46194.2/27

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.396+/-0.115 χ^2/NDF:13.3/9

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

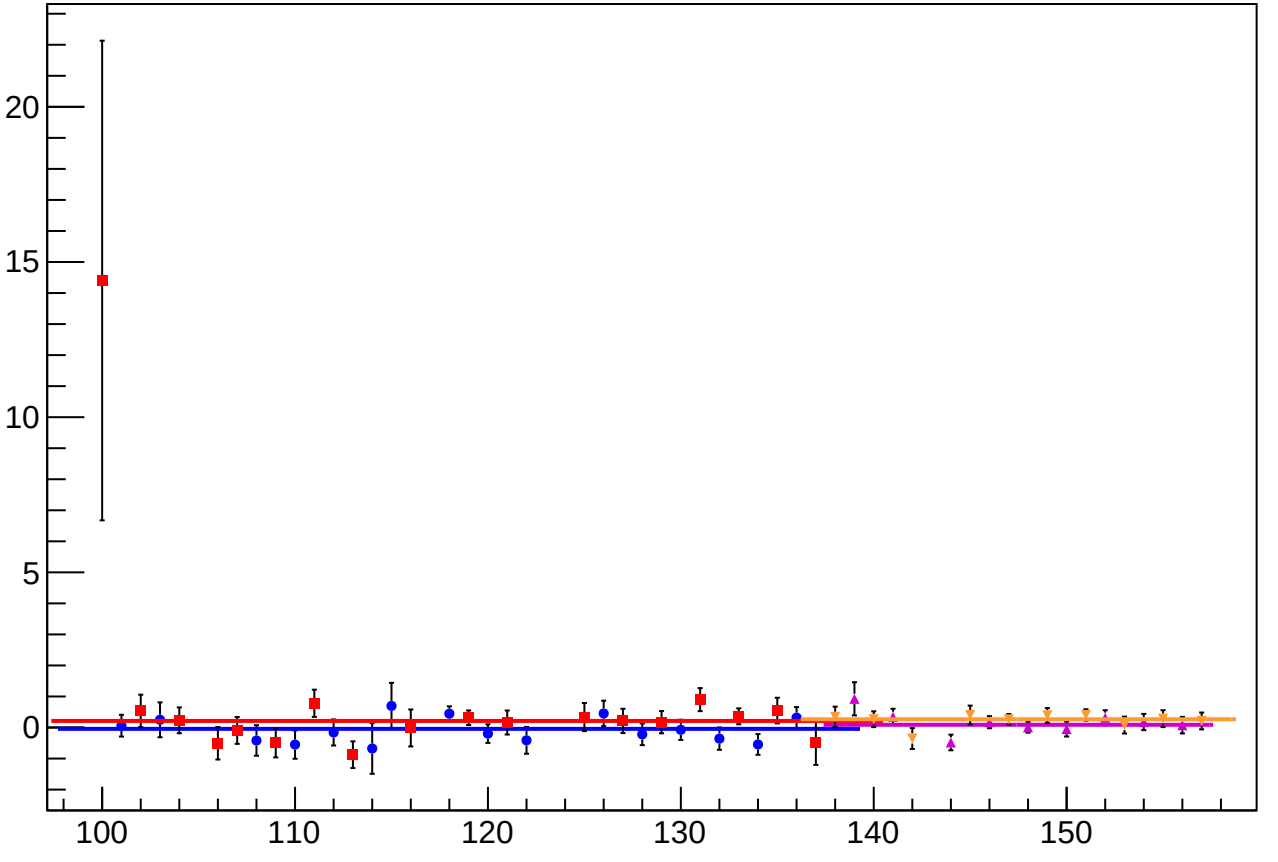
Left In: 0.210+/-0.117 χ^2/NDF:6.5/8

+ sign 0.387+/-0.072 χ^2/NDF: 27.3/25

All: 0.370+/-0.051 χ^2/NDF: 65.3/52

- sign 0.352+/-0.071 χ^2/NDF: 37.8/26

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.266+/-0.078 χ^2/NDF:5.0/9

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

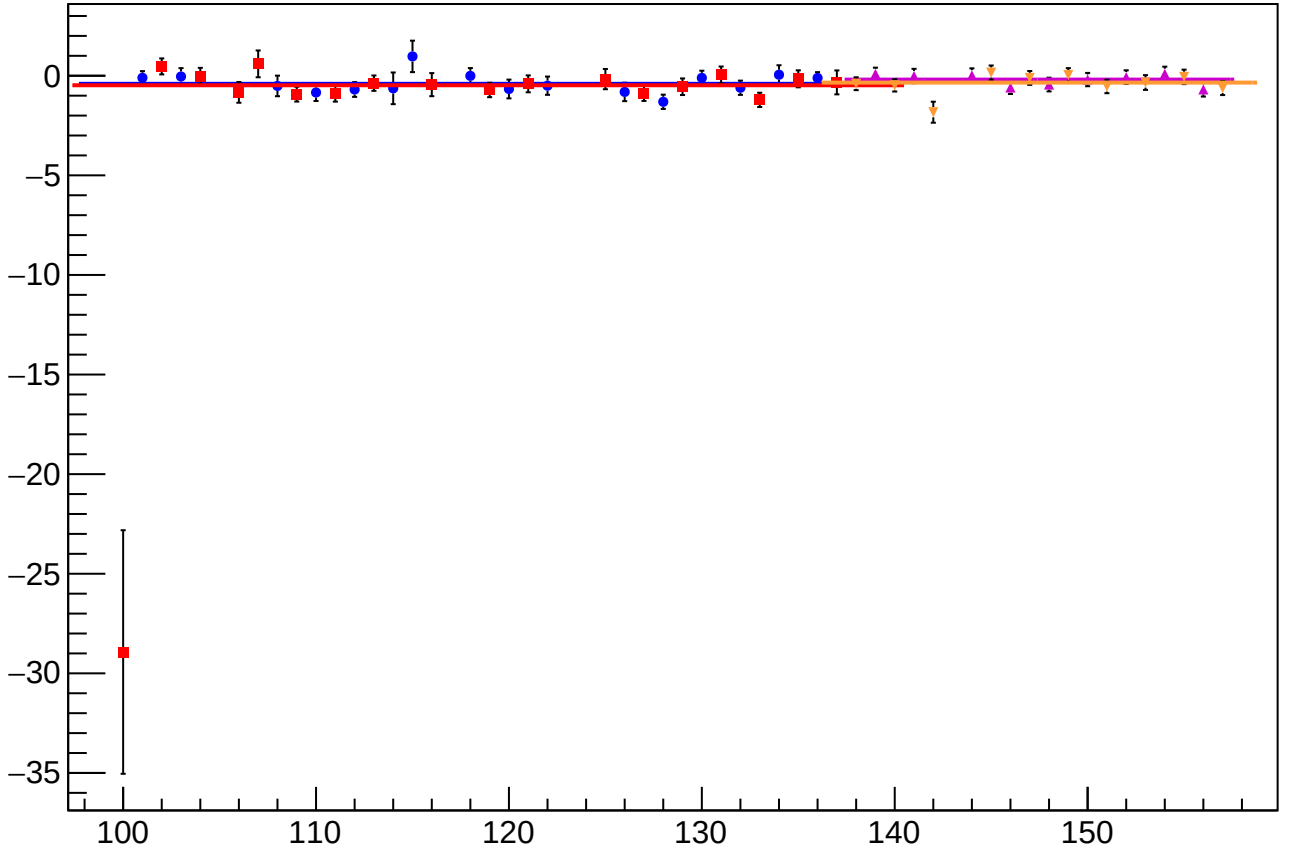
Left In: 0.088+/-0.080 χ^2/NDF:10.3/8

+ sign 0.141+/-0.060 χ^2/NDF: 26.4/25

All: 0.140+/-0.043 χ^2/NDF: 60.1/52

- sign 0.140+/-0.061 χ^2/NDF: 33.7/26

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.112 χ^2/NDF:13.3/9

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

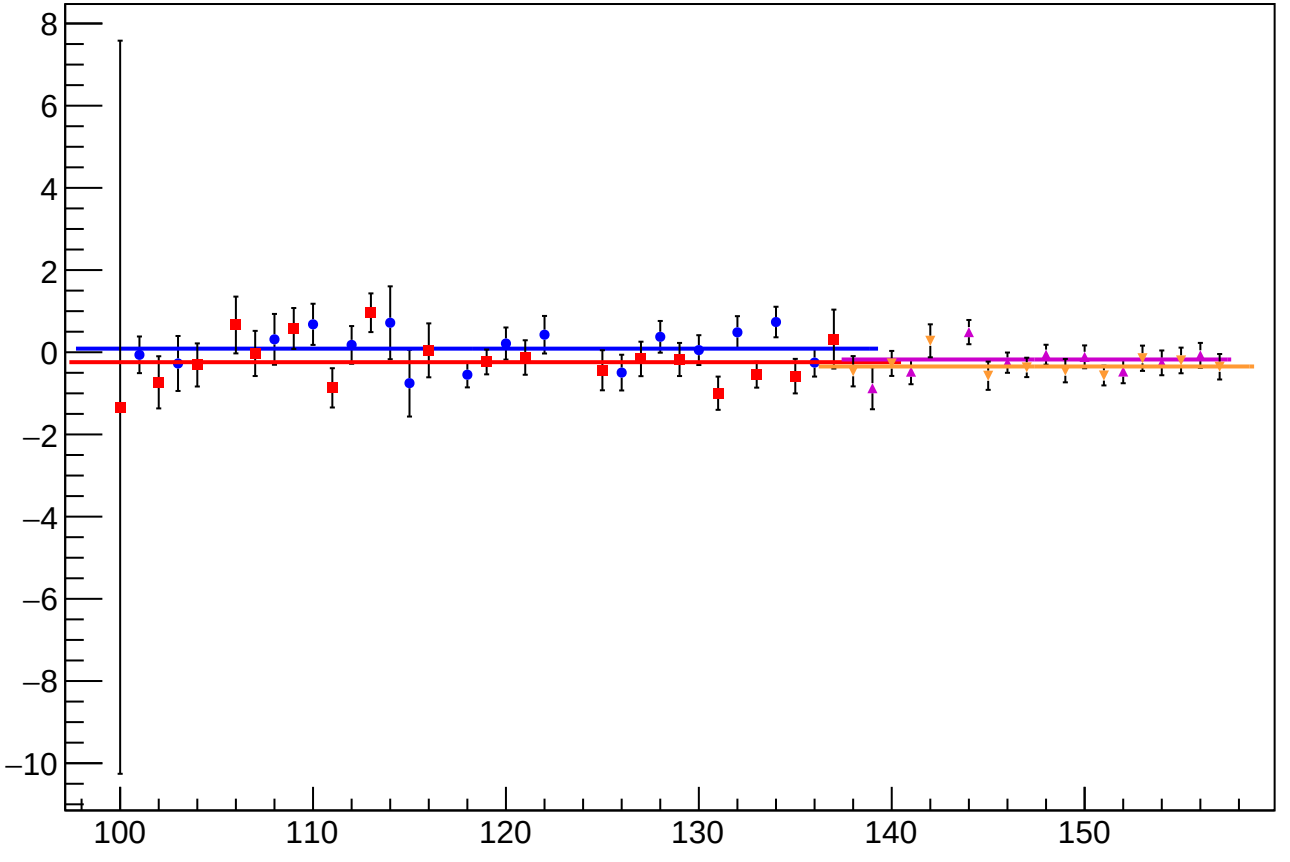
Left In: -0.194+/-0.114 χ^2/NDF:6.1/8

+ sign -0.378+/-0.076 χ^2/NDF: 31.2/25

All: -0.363+/-0.054 χ^2/NDF: 83.1/52

- sign -0.348+/-0.077 χ^2/NDF: 51.8/26

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.346+/-0.095 χ^2/NDF:4.6/9

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

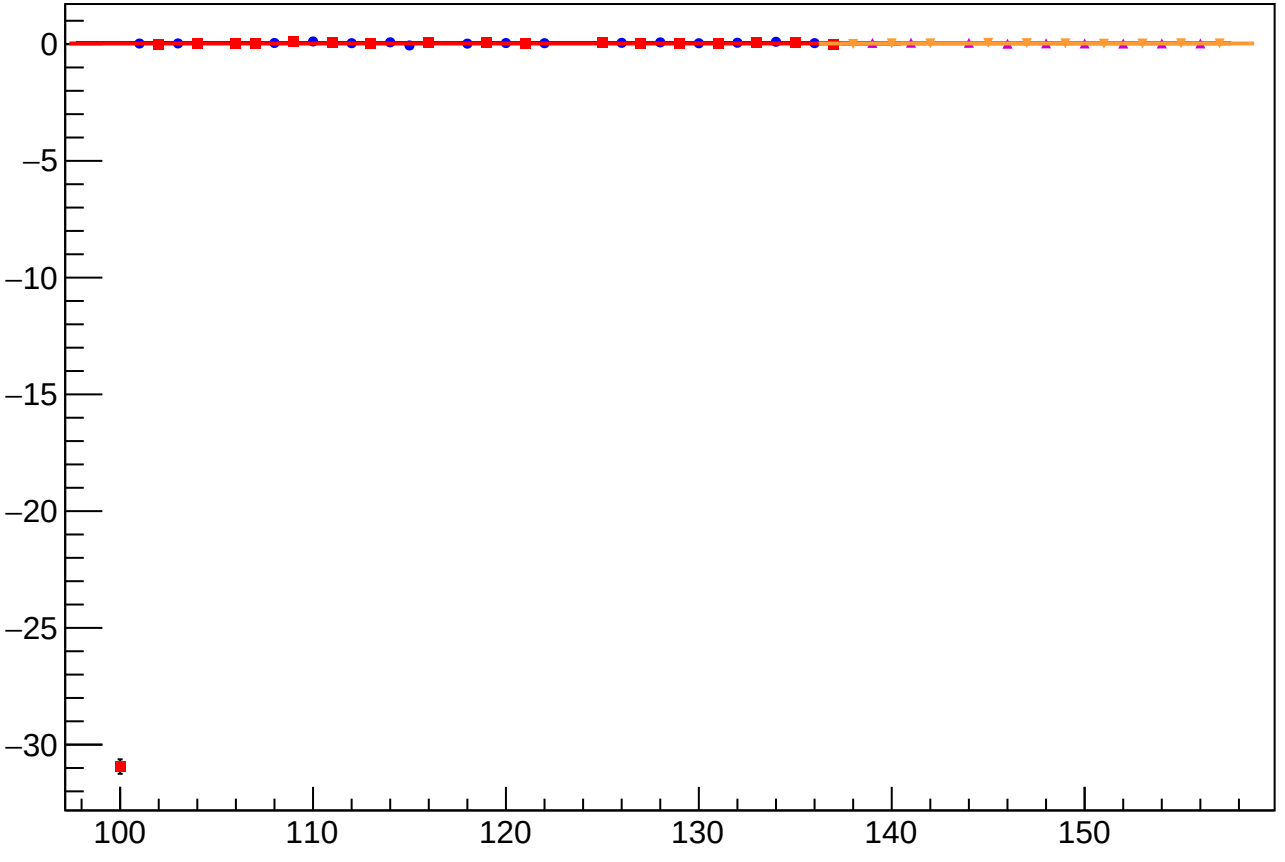
Left In: -0.176+/-0.097 χ^2/NDF:9.5/8

+ sign -0.158+/-0.071 χ^2/NDF: 29.6/25

All: -0.181+/-0.051 χ^2/NDF: 59.1/52

- sign -0.205+/-0.073 χ^2/NDF: 29.3/26

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:7.9/9

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

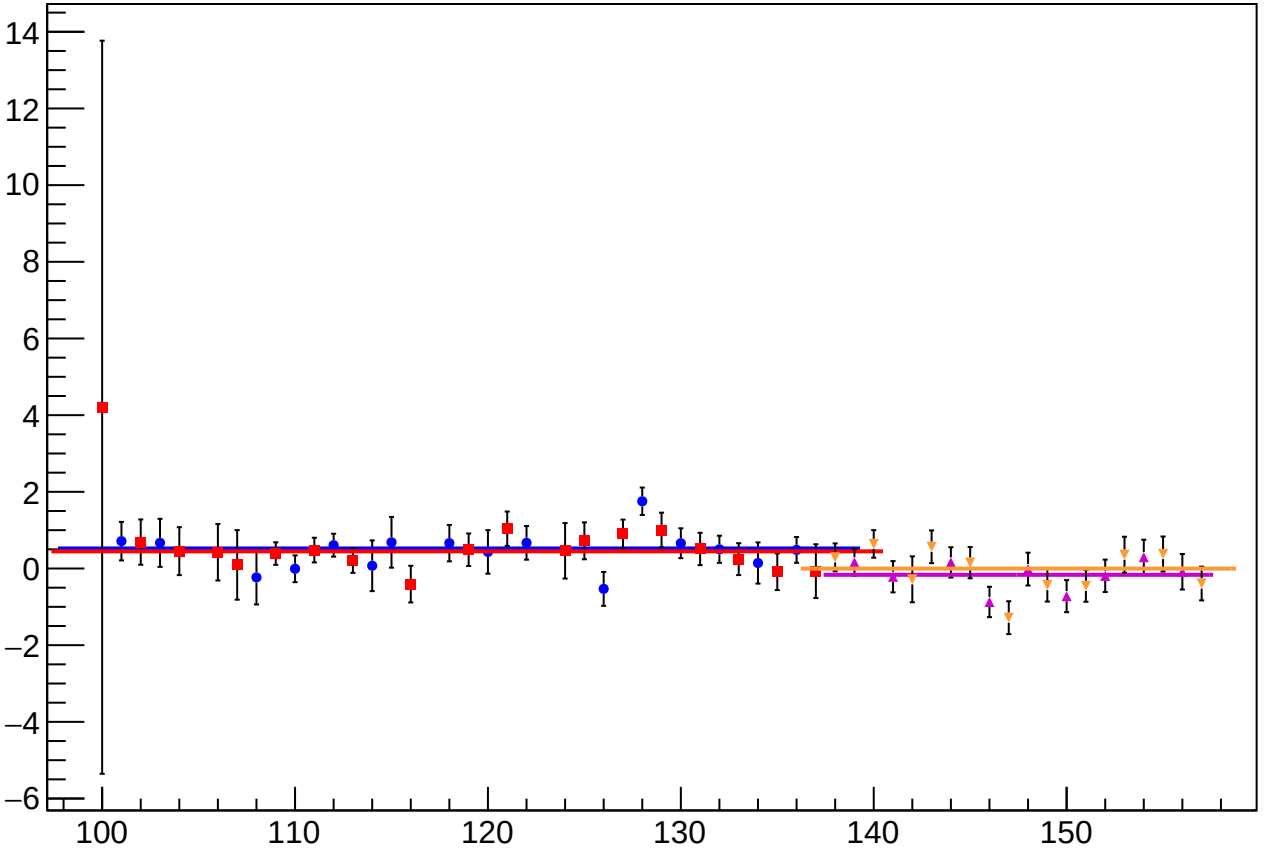
Left In: 0.037+/-0.004 χ^2/NDF:9.7/8

+ sign 0.034+/-0.004 χ^2/NDF: 34.7/25

All: 0.034+/-0.003 χ^2/NDF: 10066.8/52

- sign 0.034+/-0.004 χ^2/NDF: 10032.1/26

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.003+/-0.128 χ^2/NDF:19.2/10

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

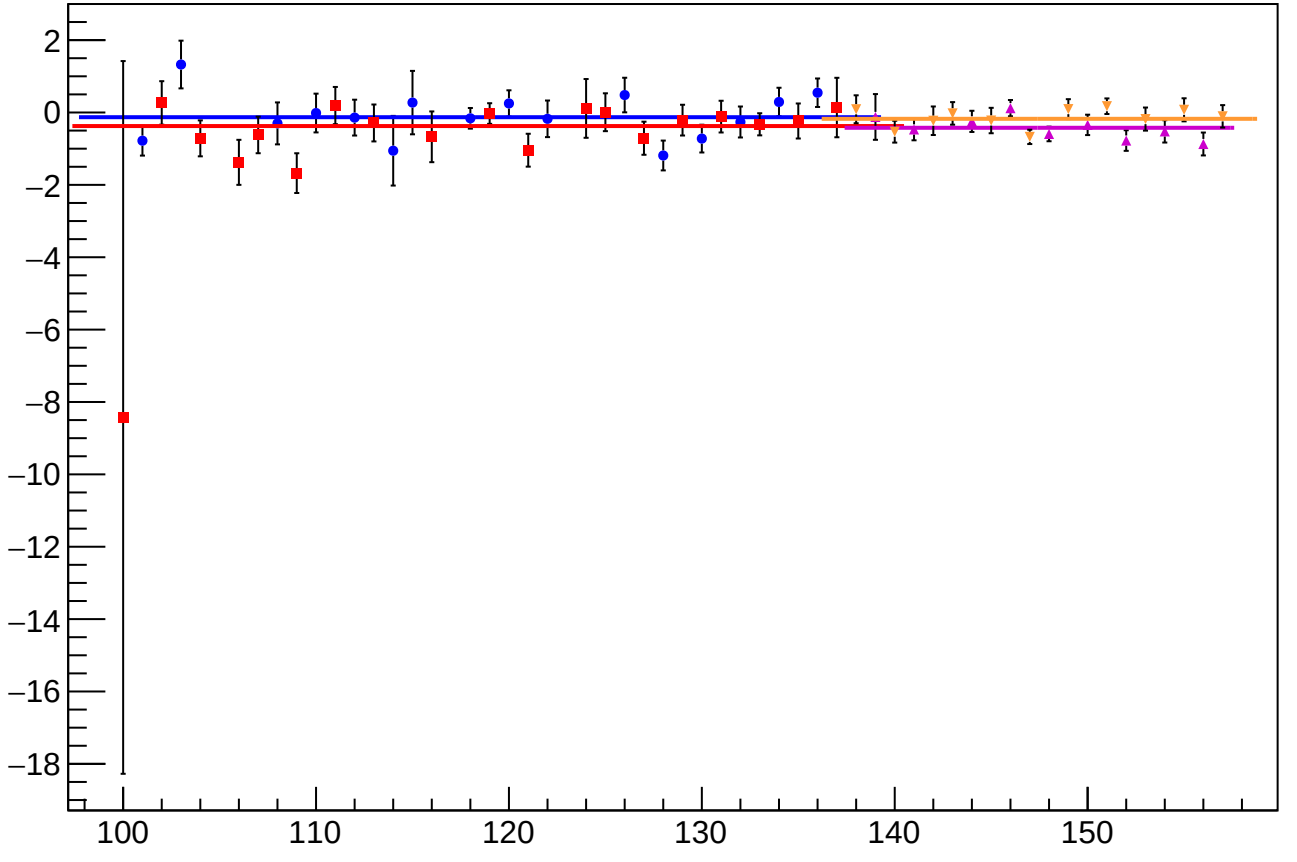
Left In: -0.164+/-0.137 χ^2/NDF:7.7/8

+ sign 0.304+/-0.083 χ^2/NDF: 51.5/26

All: 0.263+/-0.059 χ^2/NDF: 83.7/54

- sign 0.221+/-0.083 χ^2/NDF: 31.7/27

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.175+/-0.087 χ^2/NDF:12.7/10

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

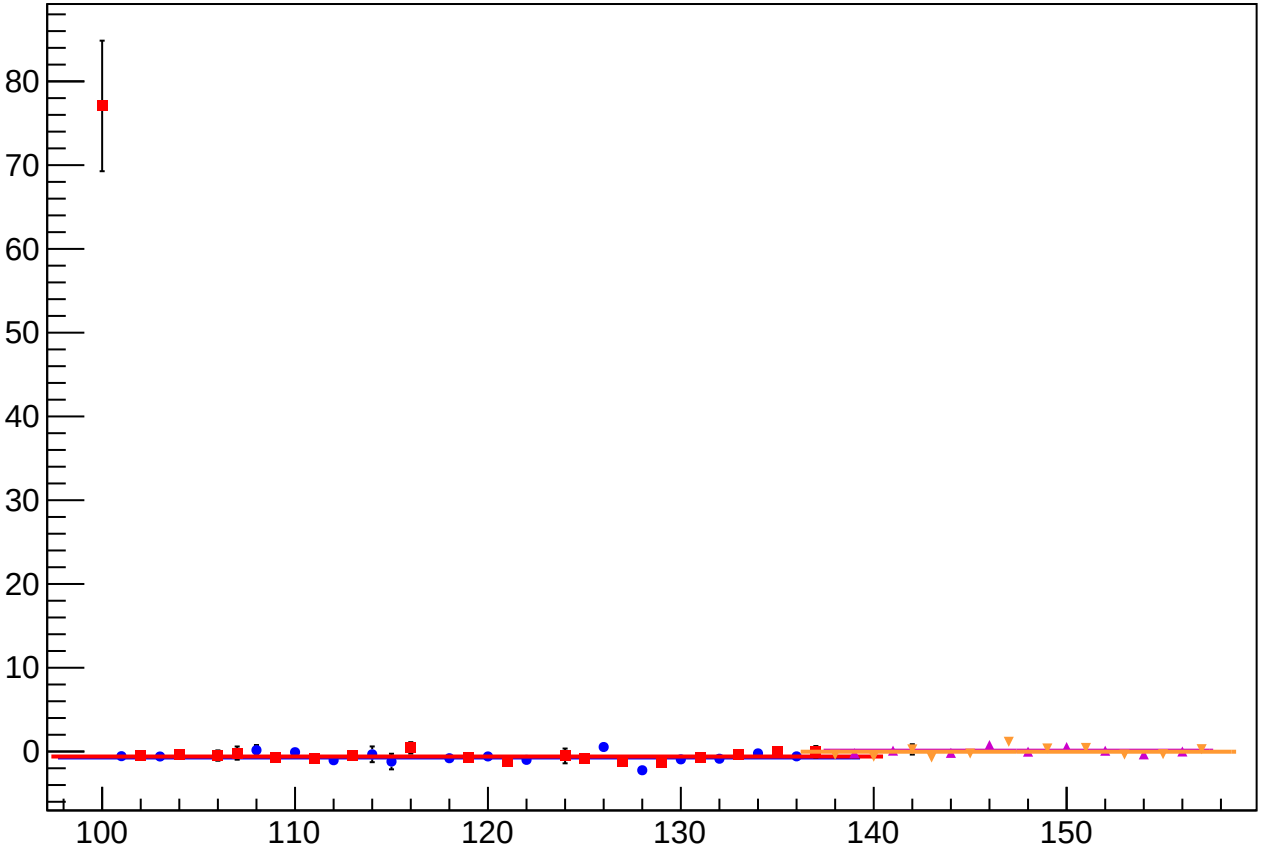
Left In: -0.423+/-0.093 χ^2/NDF:10.9/8

+ sign -0.158+/-0.068 χ^2/NDF: 37.4/26

All: -0.275+/-0.049 χ^2/NDF: 72.7/54

- sign -0.403+/-0.071 χ^2/NDF: 29.2/27

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.024+/-0.125 χ^2/NDF:19.1/10

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

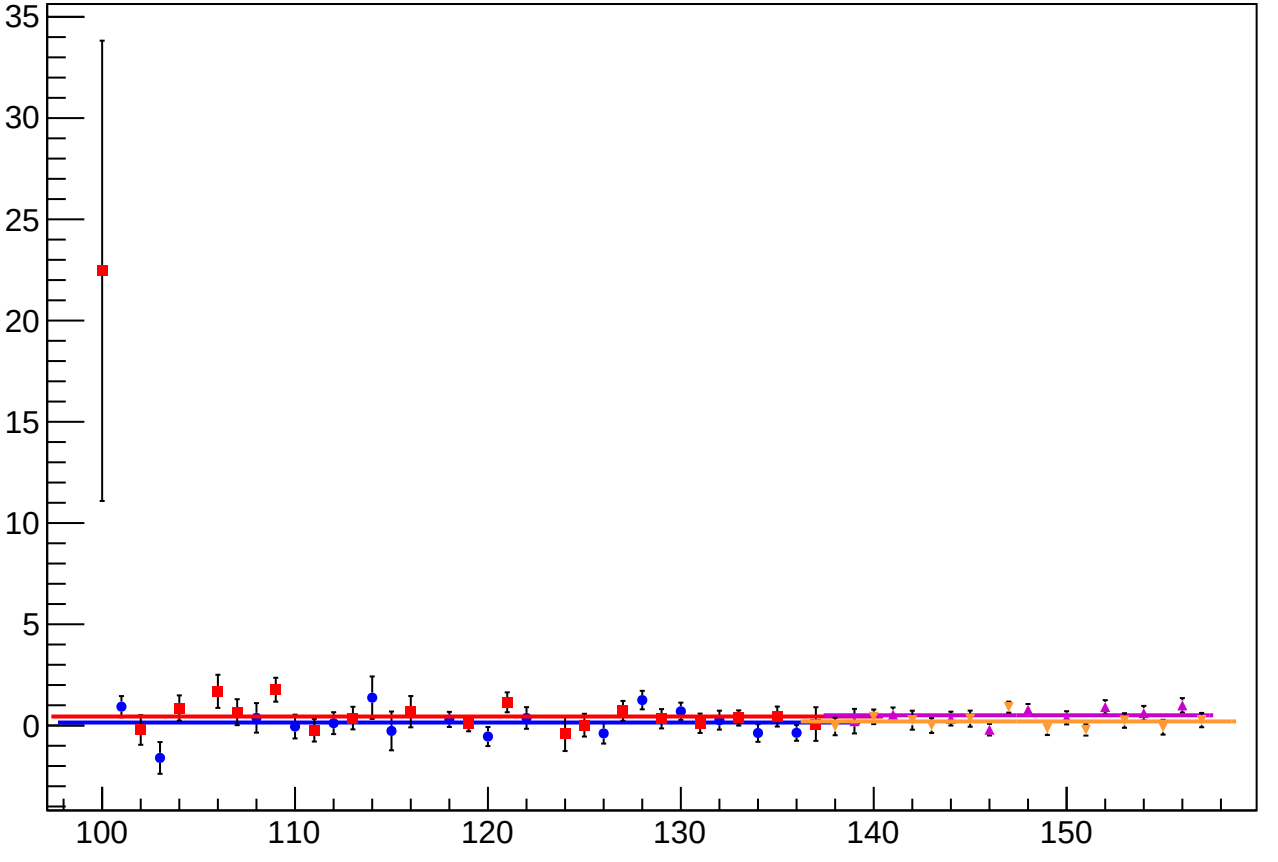
Left In: 0.101+/-0.133 χ^2/NDF:6.7/8

+ sign -0.379+/-0.087 χ^2/NDF: 59.6/26

All: -0.331+/-0.063 χ^2/NDF: 192.8/54

- sign -0.280+/-0.090 χ^2/NDF: 132.6/27

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.201+/-0.105 χ^2/NDF:11.9/10

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

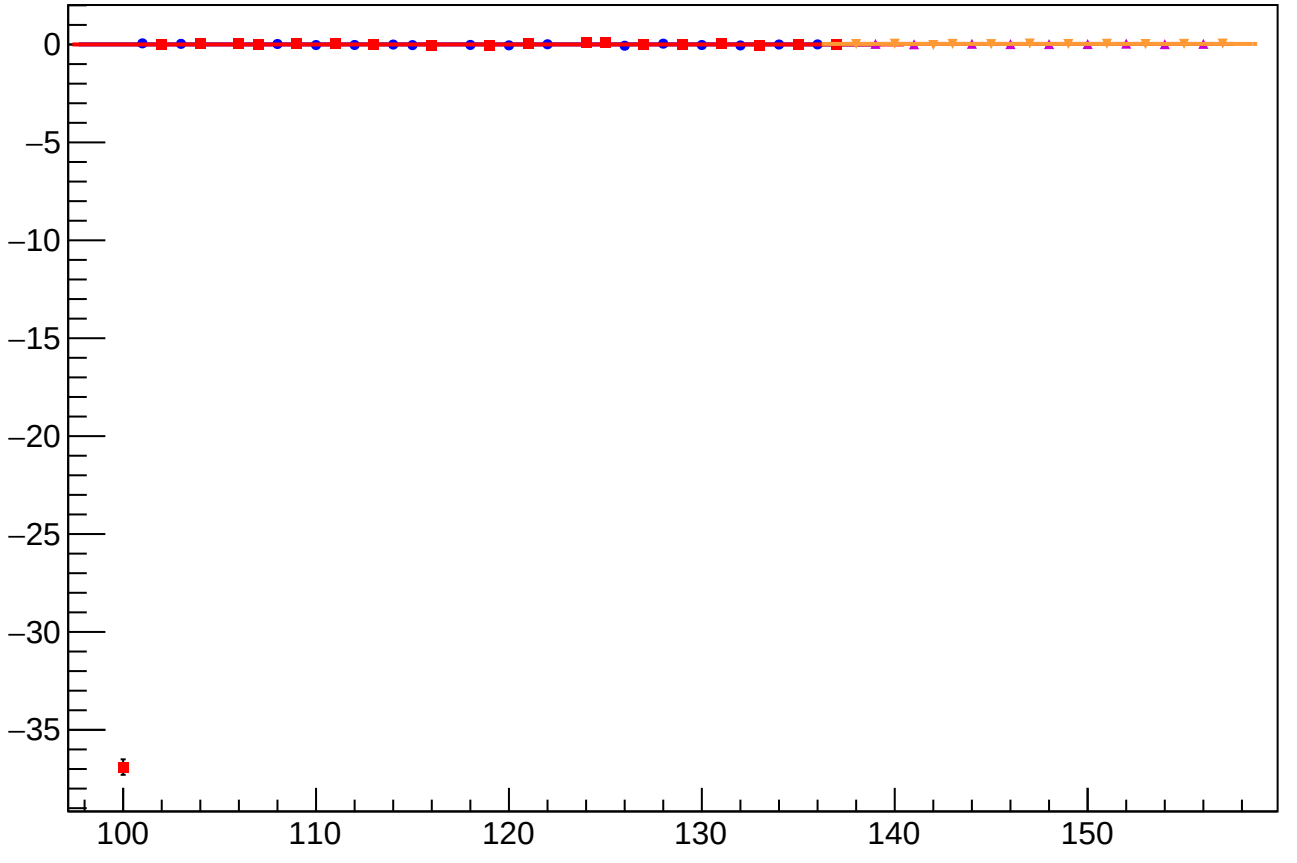
Left In: 0.505+/-0.113 χ^2/NDF:11.3/8

+ sign 0.180+/-0.081 χ^2/NDF: 35.3/26

All: 0.323+/-0.059 χ^2/NDF: 72.9/54

- sign 0.479+/-0.085 χ^2/NDF: 31.1/27

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.005 χ^2/NDF:9.0/10

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

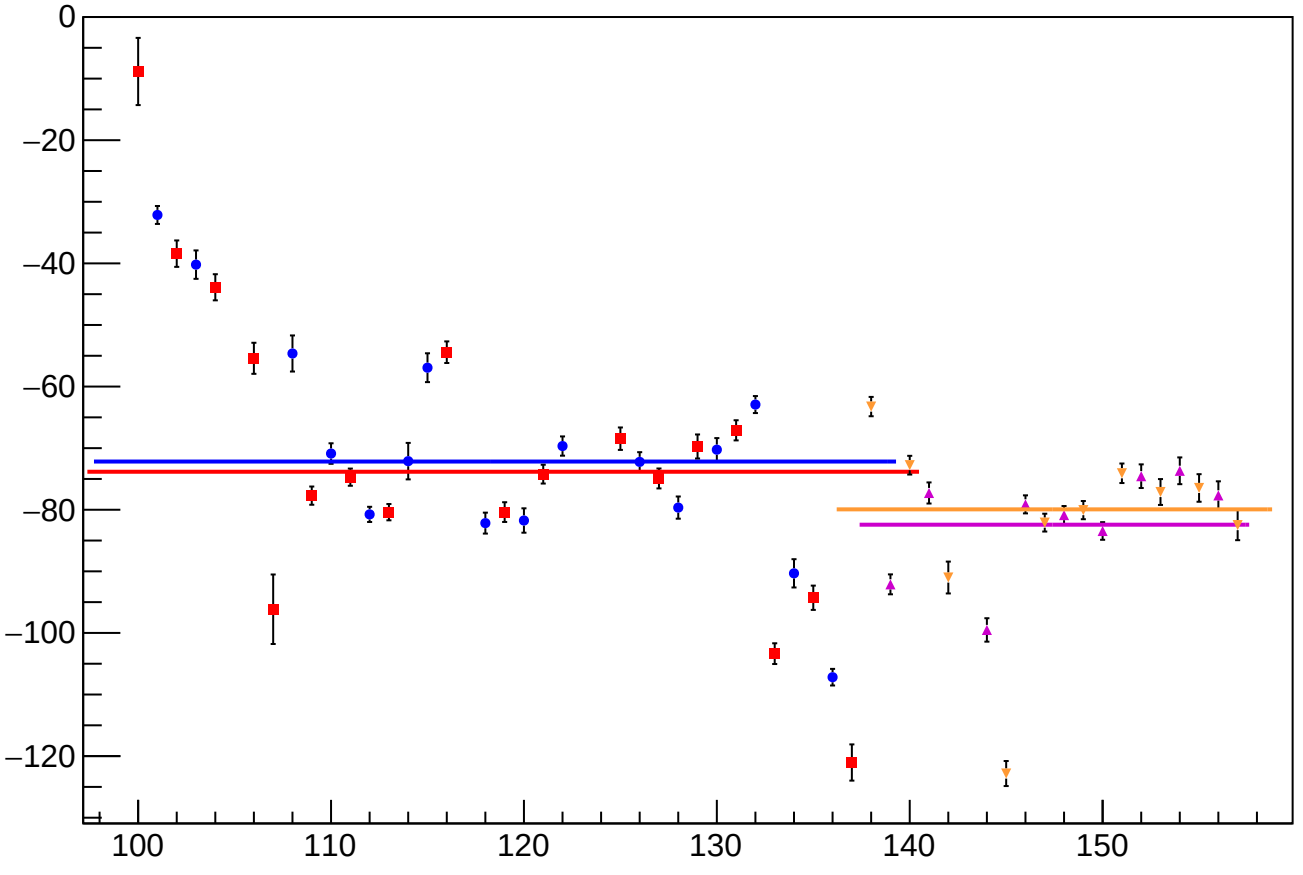
Left In: 0.029+/-0.005 χ^2/NDF:3.5/8

\+ sign 0.023+/-0.004 χ^2/NDF: 33.6/26

All: 0.021+/-0.003 χ^2/NDF: 8799.2/54

\- sign 0.020+/-0.004 χ^2/NDF: 8765.5/27

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.937+/-0.563 χ^2/NDF:620.2/9

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

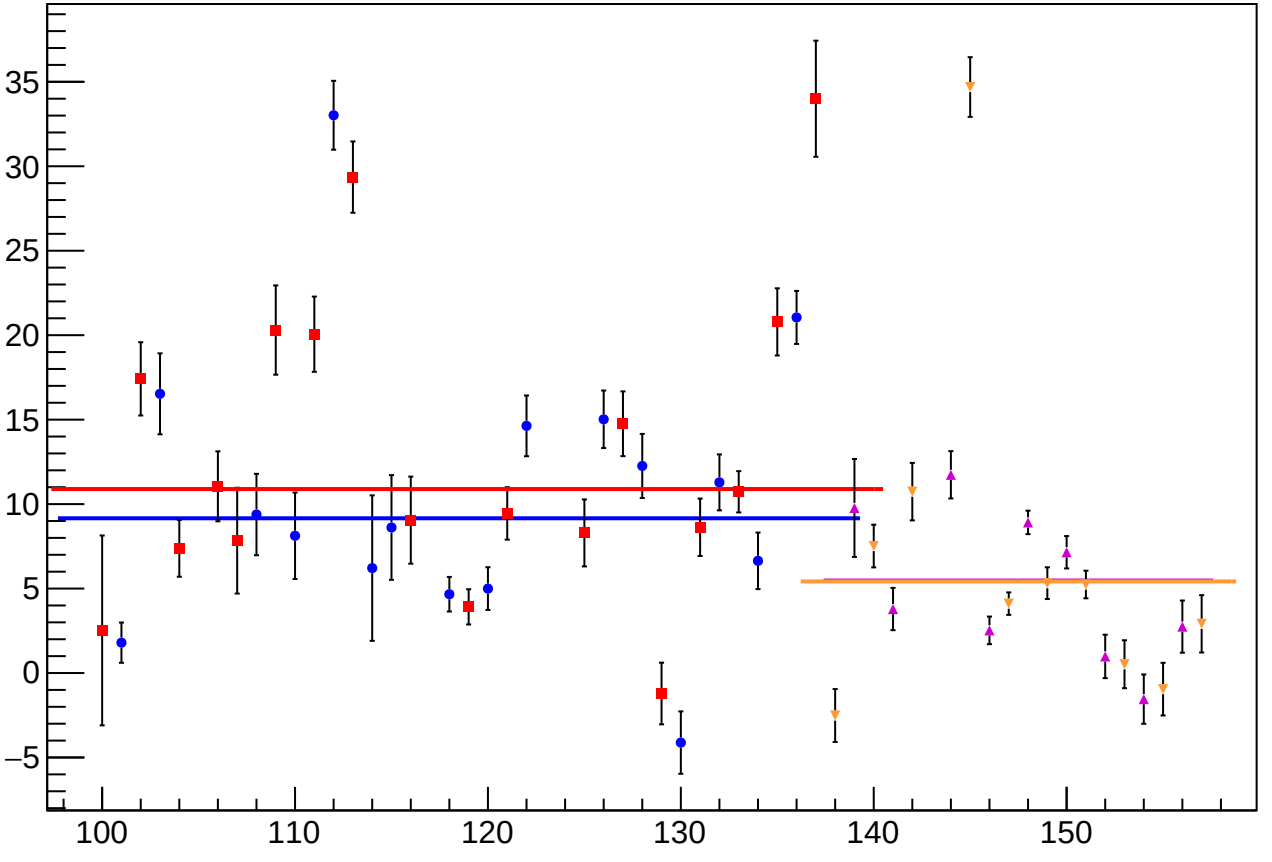
Left In: -82.428+/-0.569 χ^2/NDF:169.7/8

+ sign -75.052+/-0.343 χ^2/NDF: 2676.0/25

All: -76.005+/-0.243 χ^2/NDF: 4564.1/52

- sign -76.962+/-0.343 χ^2/NDF: 1872.6/26

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.421+/-0.357 χ^2/NDF:347.1/9

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

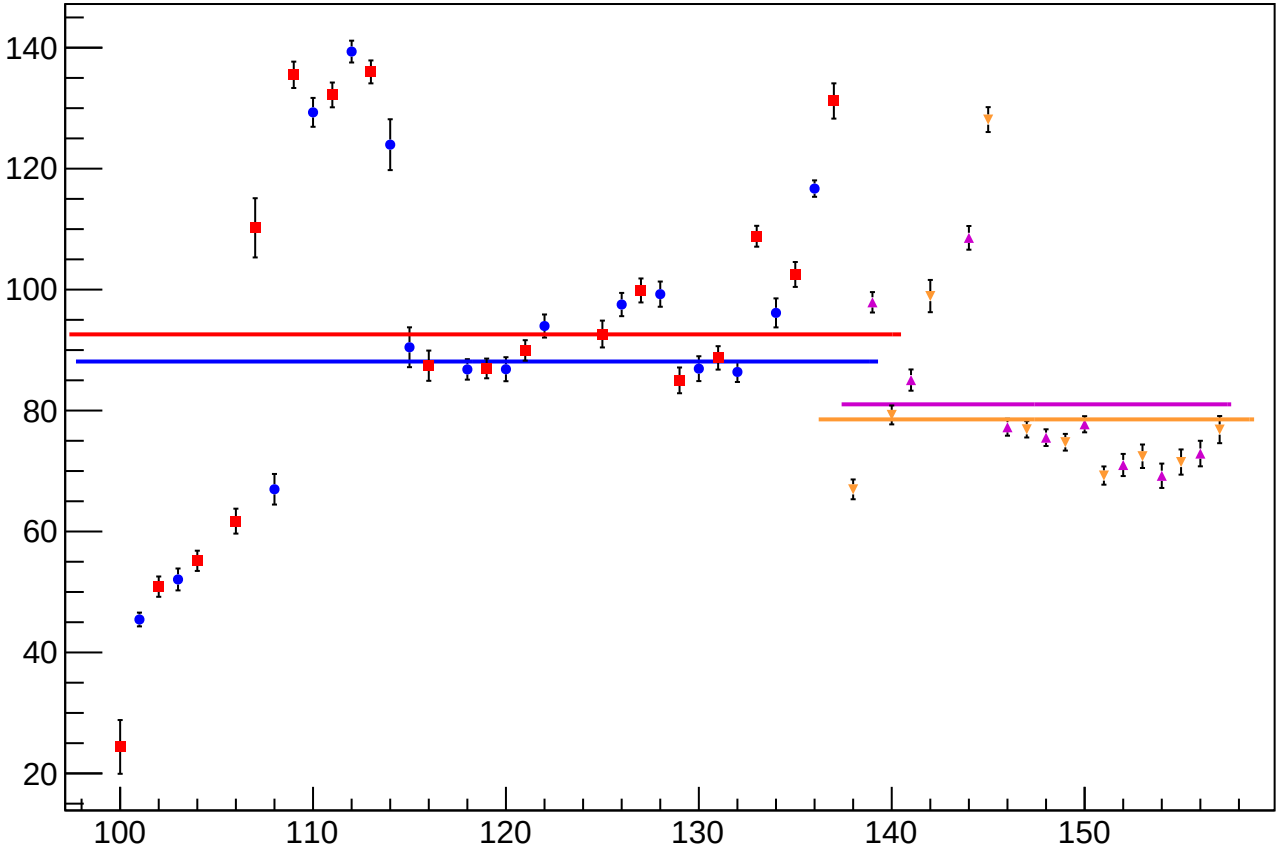
Left In: 5.476+/-0.367 χ^2/NDF:103.1/8

\+ sign 6.968+/-0.273 χ^2/NDF: 744.6/25

All: 7.322+/-0.196 χ^2/NDF: 1230.6/52

\- sign 7.697+/-0.282 χ^2/NDF: 482.6/26

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 78.539+/-0.545 χ^2/NDF:757.5/9

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

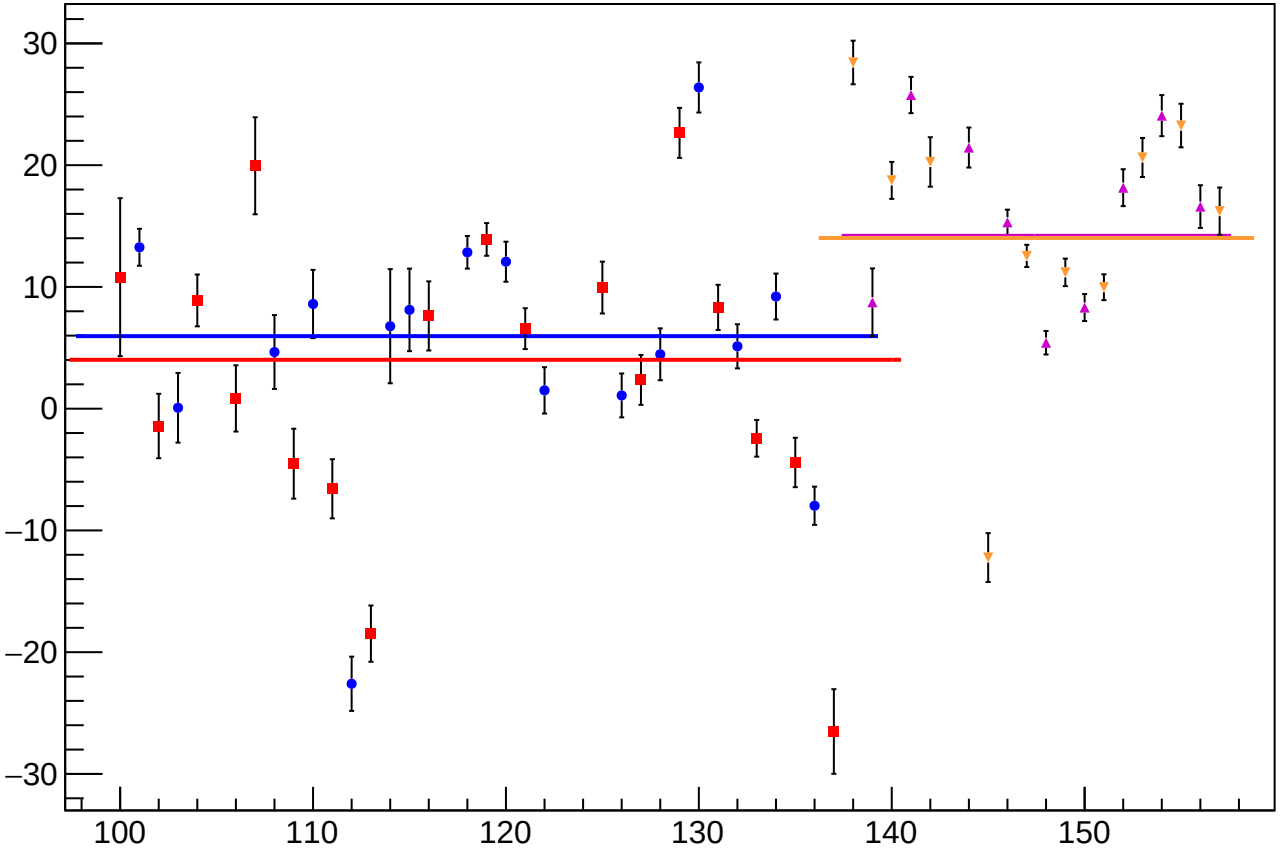
Left In: 81.028+/-0.550 χ^2/NDF:411.4/8

+ sign 84.041+/-0.355 χ^2/NDF: 4496.5/25

All: 85.763+/-0.254 χ^2/NDF: 8416.4/52

- sign 87.562+/-0.363 χ^2/NDF: 3871.9/26

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 14.022+/-0.444 χ^2/NDF:323.4/9

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

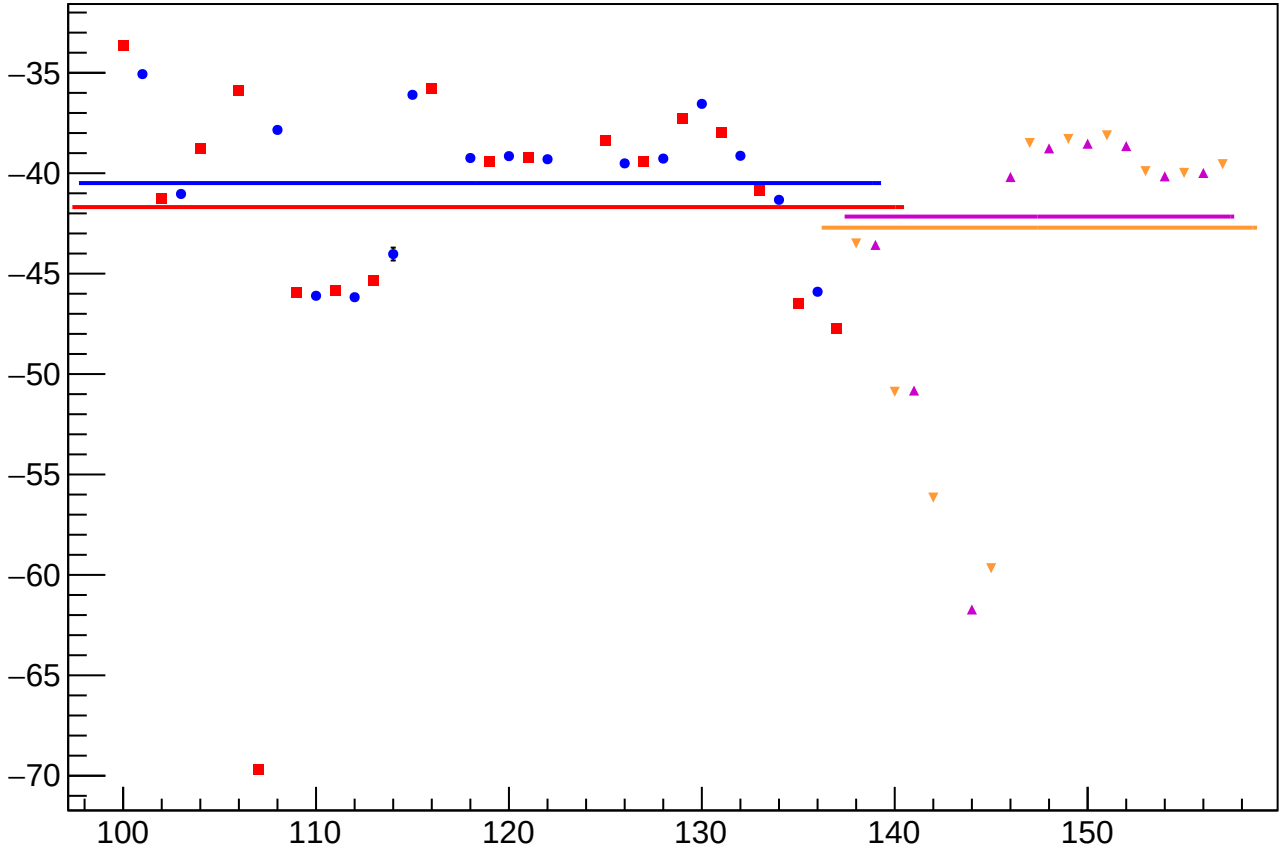
Left In: 14.195+/-0.453 χ^2/NDF:238.5/8

+ sign 10.424+/-0.330 χ^2/NDF: 897.3/25

All: 10.071+/-0.236 χ^2/NDF: 1778.5/52

- sign 9.701+/-0.339 χ^2/NDF: 878.9/26

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -42.711+/-0.022 χ^2/NDF:94260.5/9

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

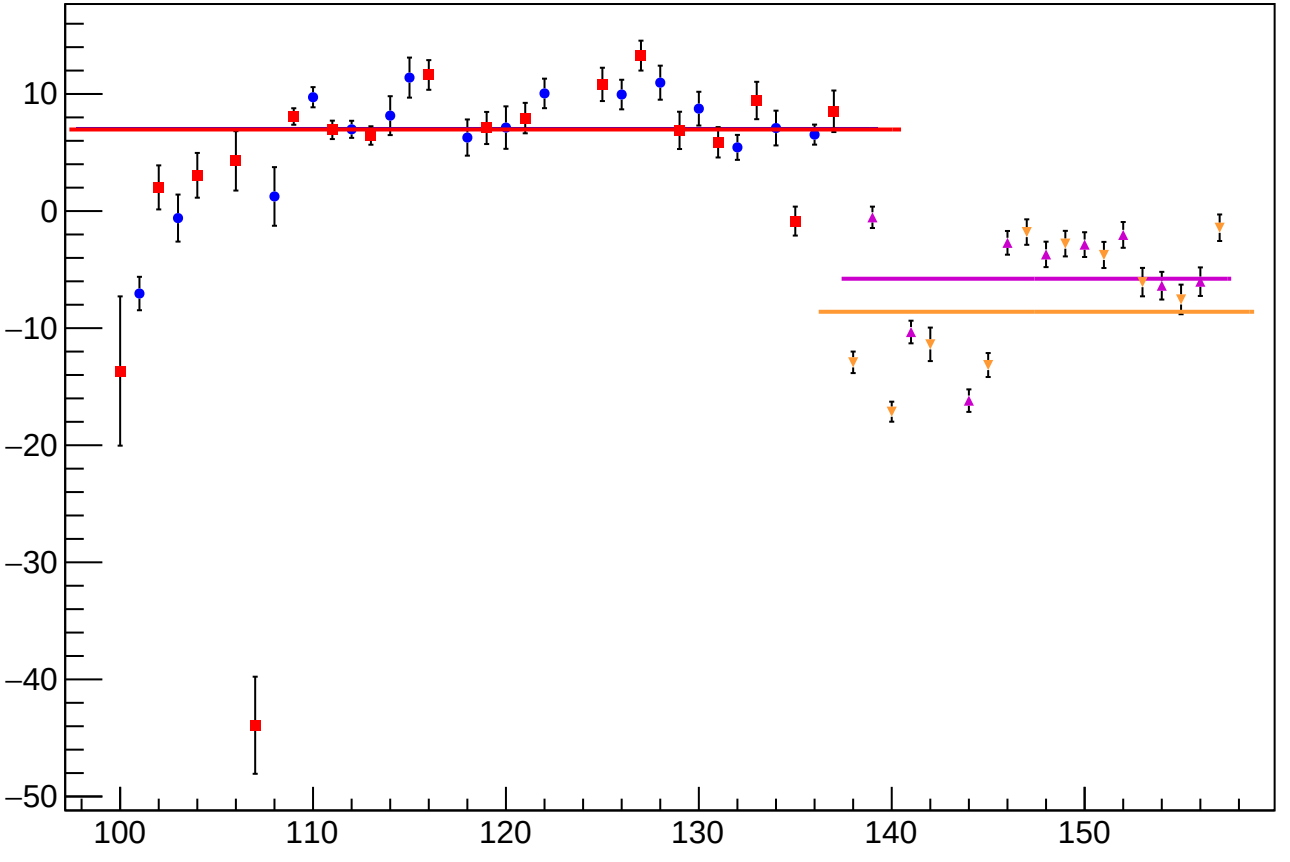
Left In: -42.159+/-0.021 χ^2/NDF:78534.9/8

+ sign -41.894+/-0.017 χ^2/NDF: 116272.1/25

All: -41.945+/-0.012 χ^2/NDF: 231834.2/52

- sign -41.995+/-0.017 χ^2/NDF: 115544.8/26

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.601+/-0.342 χ^2/NDF:277.0/9

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

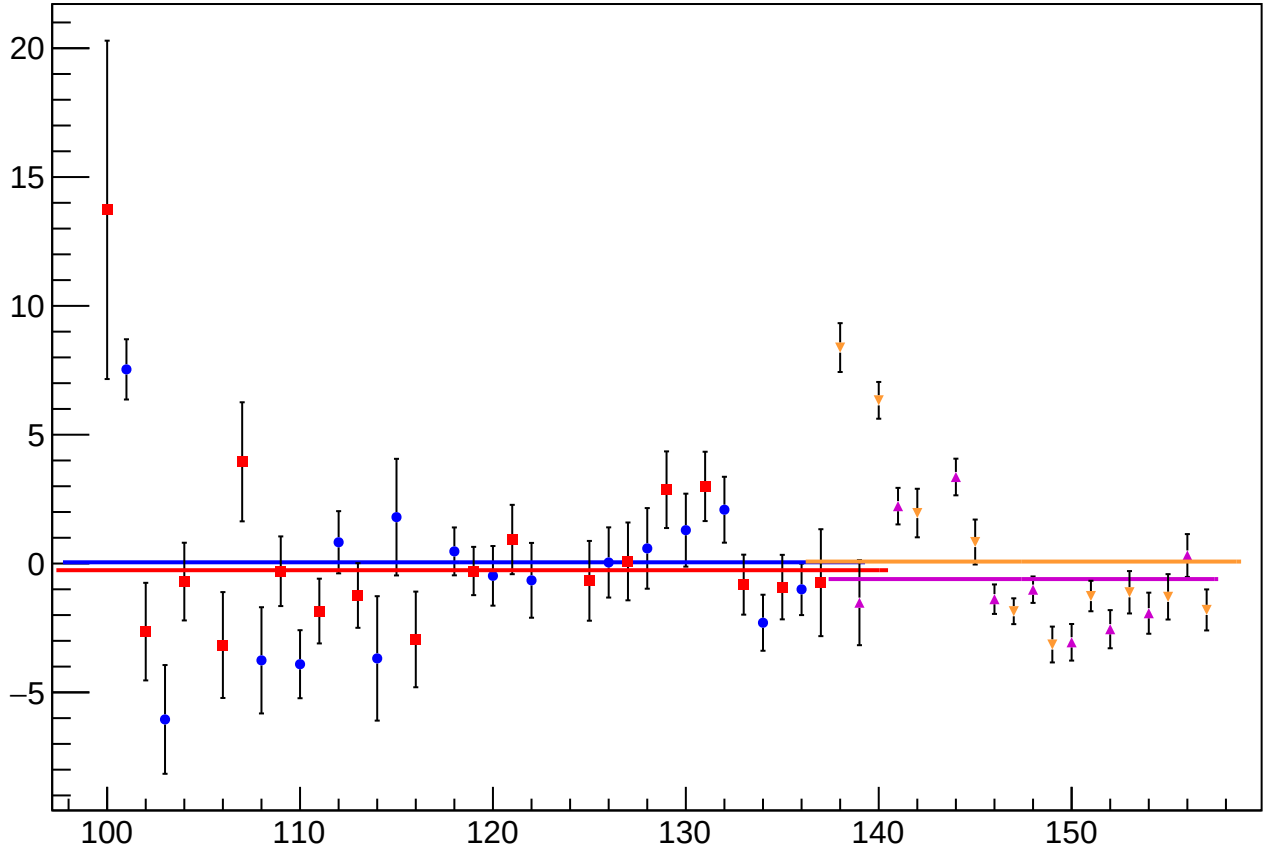
Left In: -5.779+/-0.348 χ^2/NDF:204.5/8

+ sign -0.020+/-0.229 χ^2/NDF: 1581.0/25

All: 0.782+/-0.161 χ^2/NDF: 2850.3/52

- sign 1.563+/-0.226 χ^2/NDF: 1245.1/26

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.077+/-0.231 χ^2/NDF:209.8/9

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

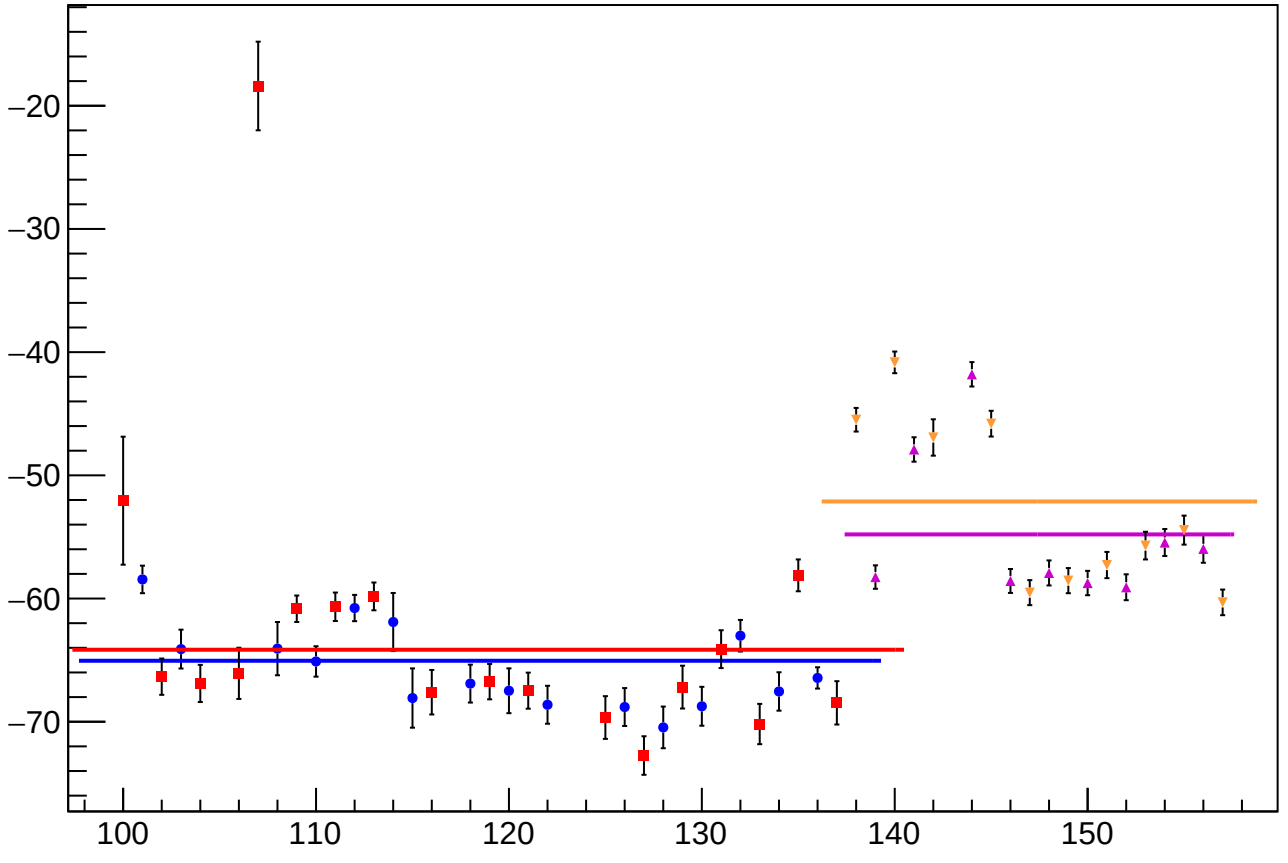
Left In: -0.603+/-0.236 χ^2/NDF:72.6/8

+ sign 0.067+/-0.189 χ^2/NDF: 284.8/25

All: -0.205+/-0.136 χ^2/NDF: 389.8/52

- sign -0.493+/-0.194 χ^2/NDF: 100.8/26

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.122+/-0.333 χ^2/NDF:454.2/9

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

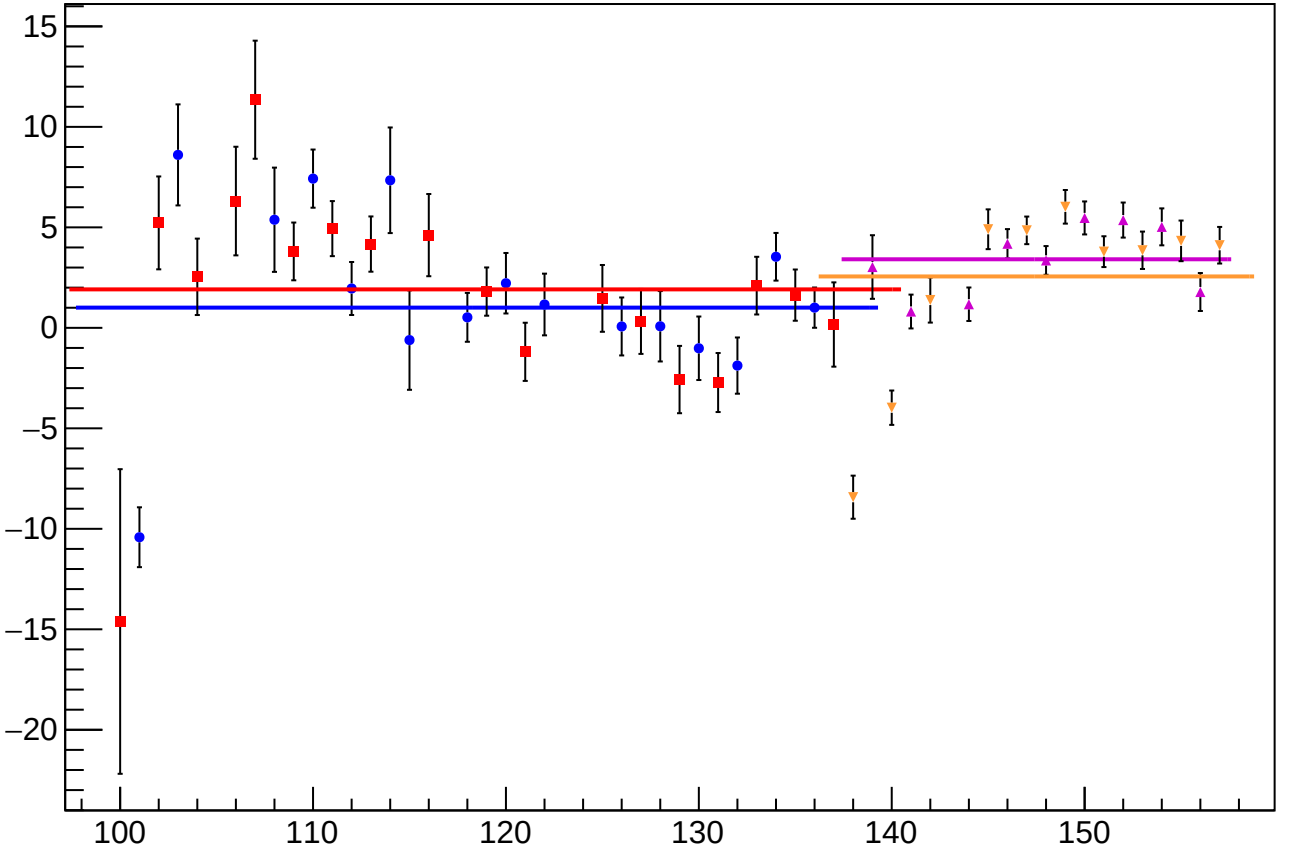
Left In: -54.794+/-0.339 χ^2/NDF:292.5/8

+ sign -58.195+/-0.243 χ^2/NDF: 1254.4/25

All: -58.681+/-0.173 χ^2/NDF: 2217.0/52

- sign -59.183+/-0.247 χ^2/NDF: 954.4/26

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 2.558+/-0.281 χ^2/NDF:208.8/9

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

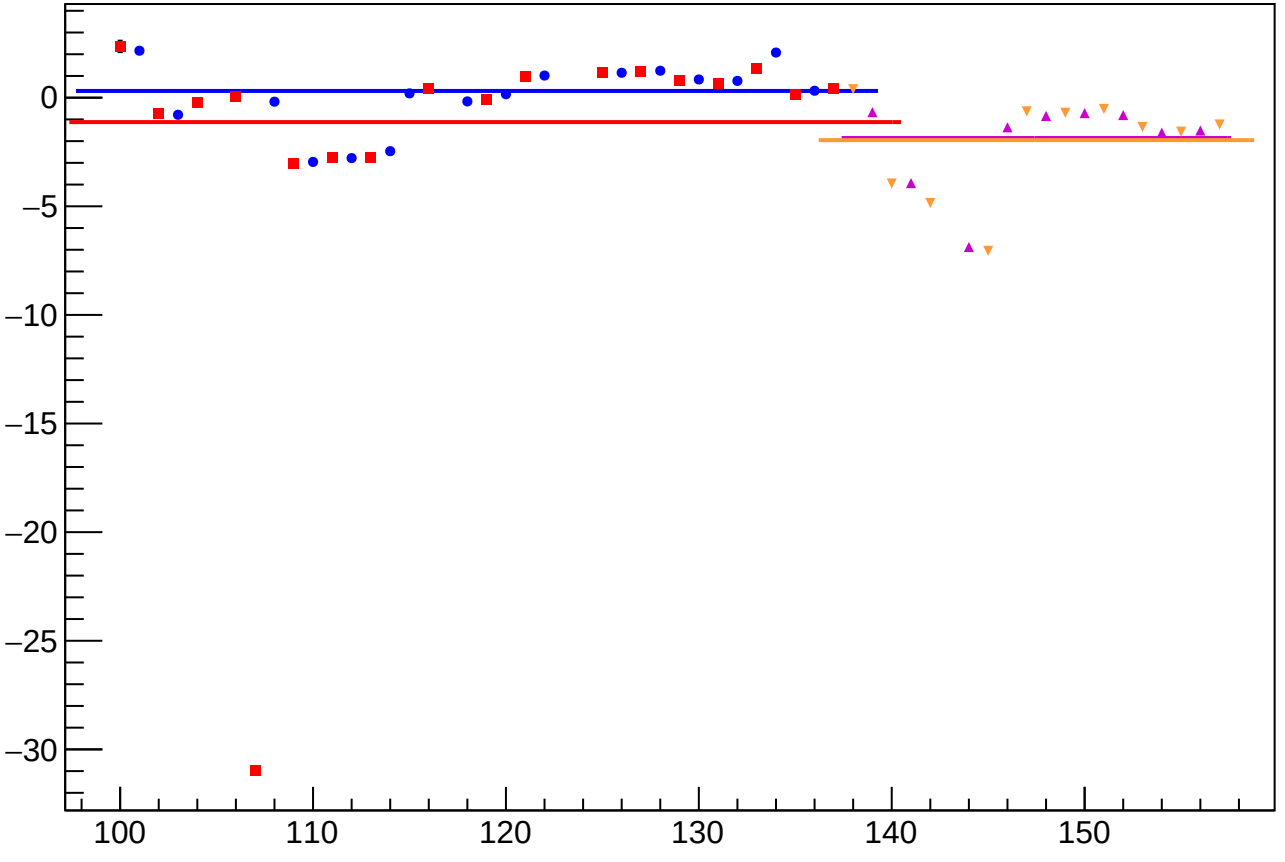
Left In: 3.411+/-0.286 χ^2/NDF:35.3/8

+ sign 2.000+/-0.225 χ^2/NDF: 329.0/25

All: 2.433+/-0.161 χ^2/NDF: 435.9/52

- sign 2.887+/-0.231 χ^2/NDF: 99.4/26

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.955+/-0.013 χ^2/NDF:27723.6/9

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

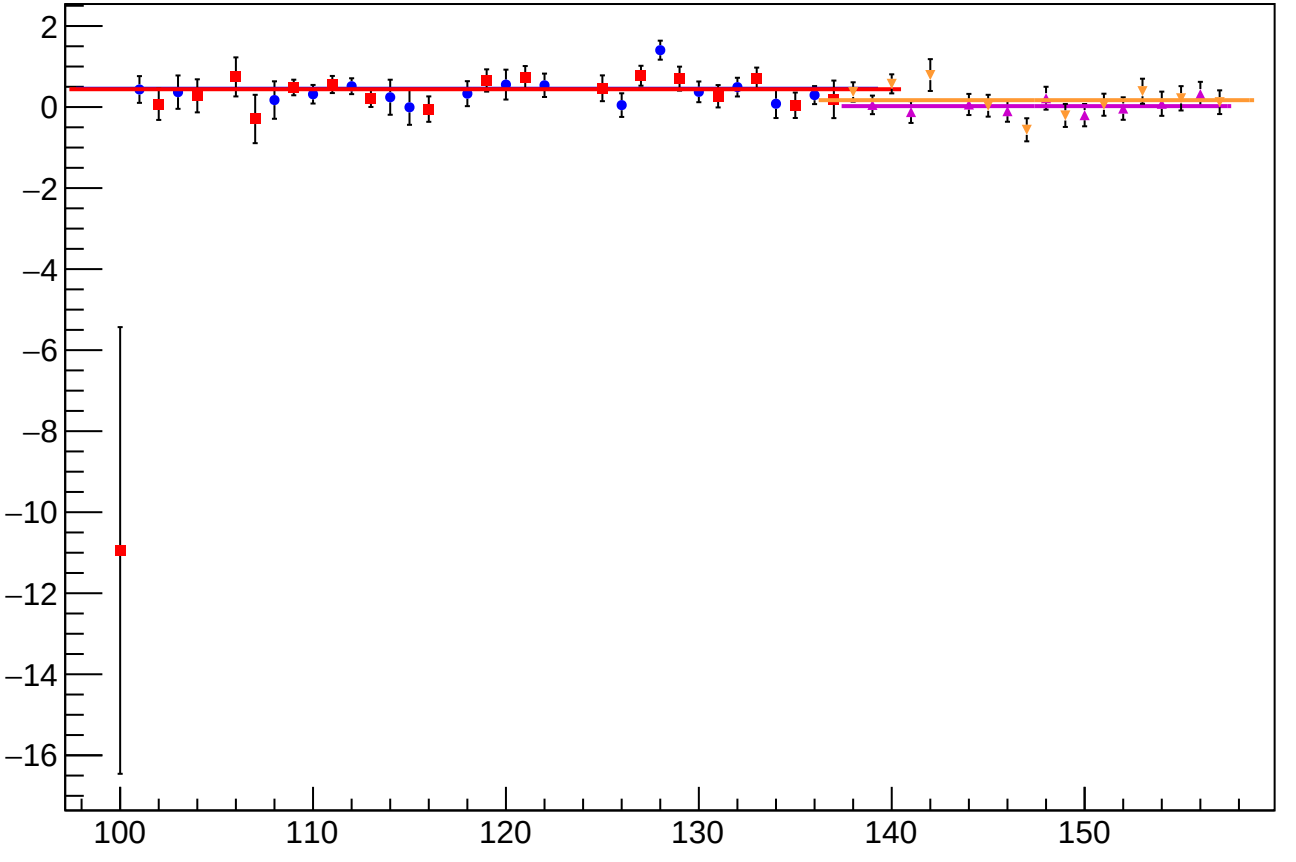
Left In: -1.857+/-0.013 χ^2/NDF:19176.1/8

+ sign -1.338+/-0.011 χ^2/NDF: 40989.2/25

All: -1.502+/-0.008 χ^2/NDF: 107776.9/52

- sign -1.671+/-0.011 χ^2/NDF: 66336.9/26

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.170+/-0.089 χ^2/NDF:15.5/9

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

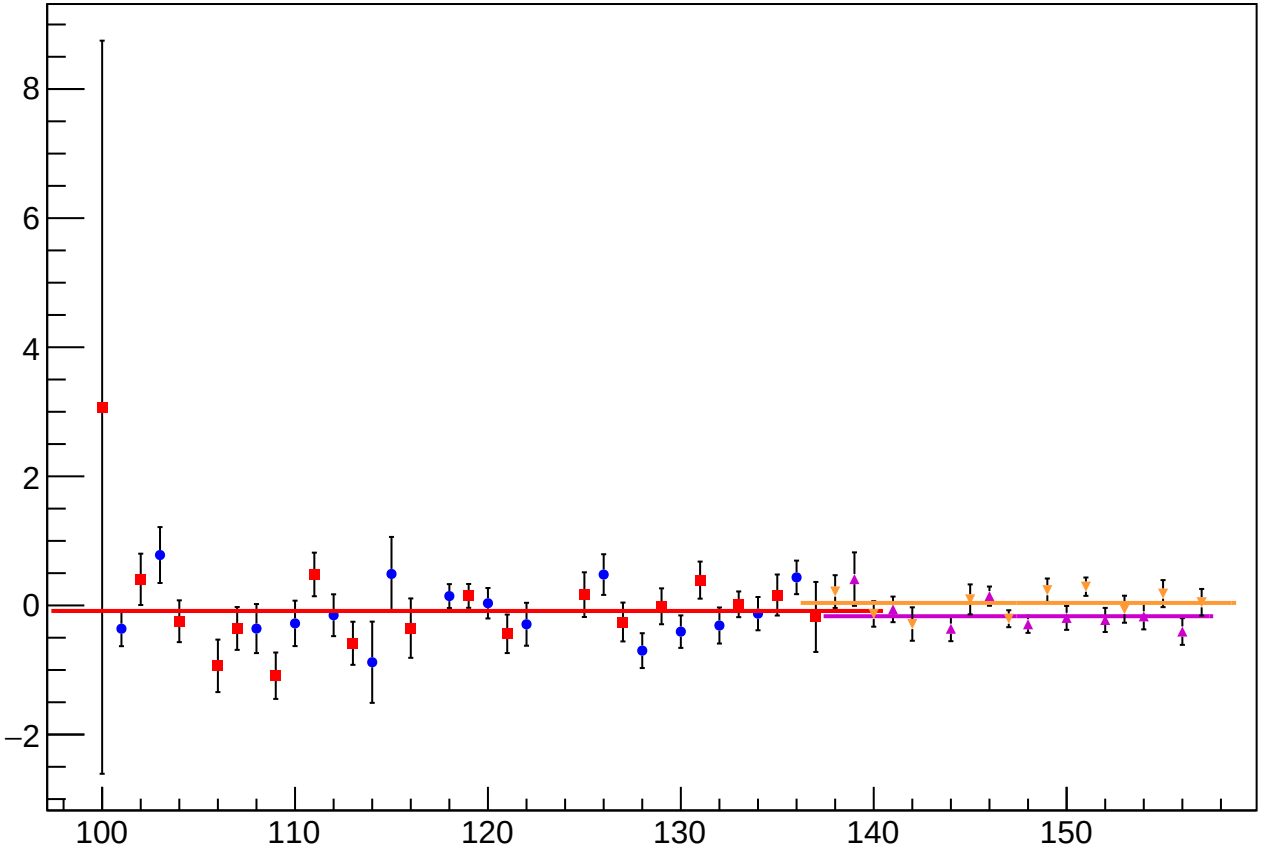
Left In: 0.023+/-0.090 χ^2/NDF:2.7/8

+ sign 0.341+/-0.055 χ^2/NDF: 44.3/25

All: 0.312+/-0.039 χ^2/NDF: 79.5/52

- sign 0.284+/-0.055 χ^2/NDF: 34.7/26

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.039+/-0.060 χ^2/NDF:11.4/9

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

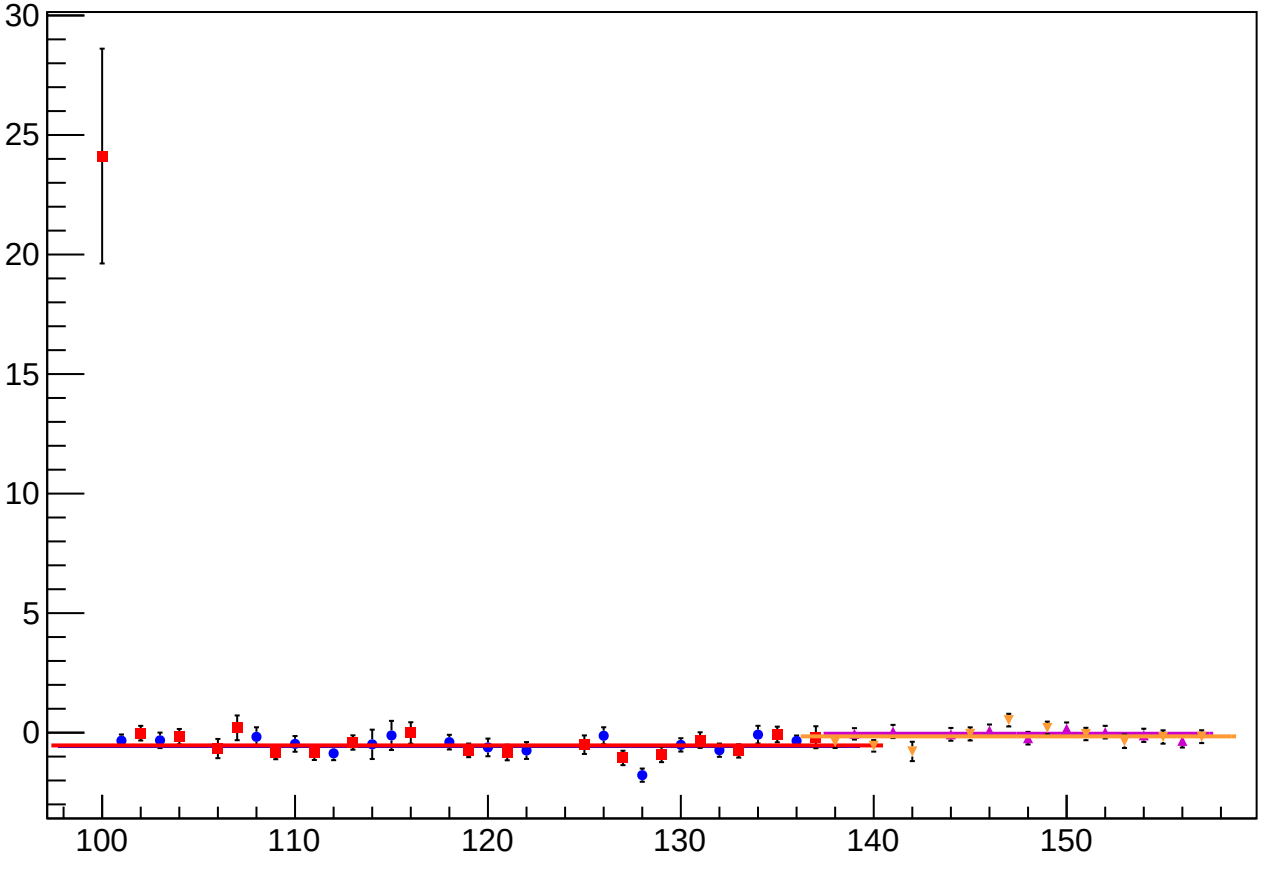
Left In: -0.167+/-0.061 χ^2/NDF:9.9/8

+ sign -0.011+/-0.046 χ^2/NDF: 38.5/25

All: -0.071+/-0.033 χ^2/NDF: 80.5/52

- sign -0.134+/-0.047 χ^2/NDF: 38.5/26

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.154+/-0.086 χ^2/NDF:15.1/9

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

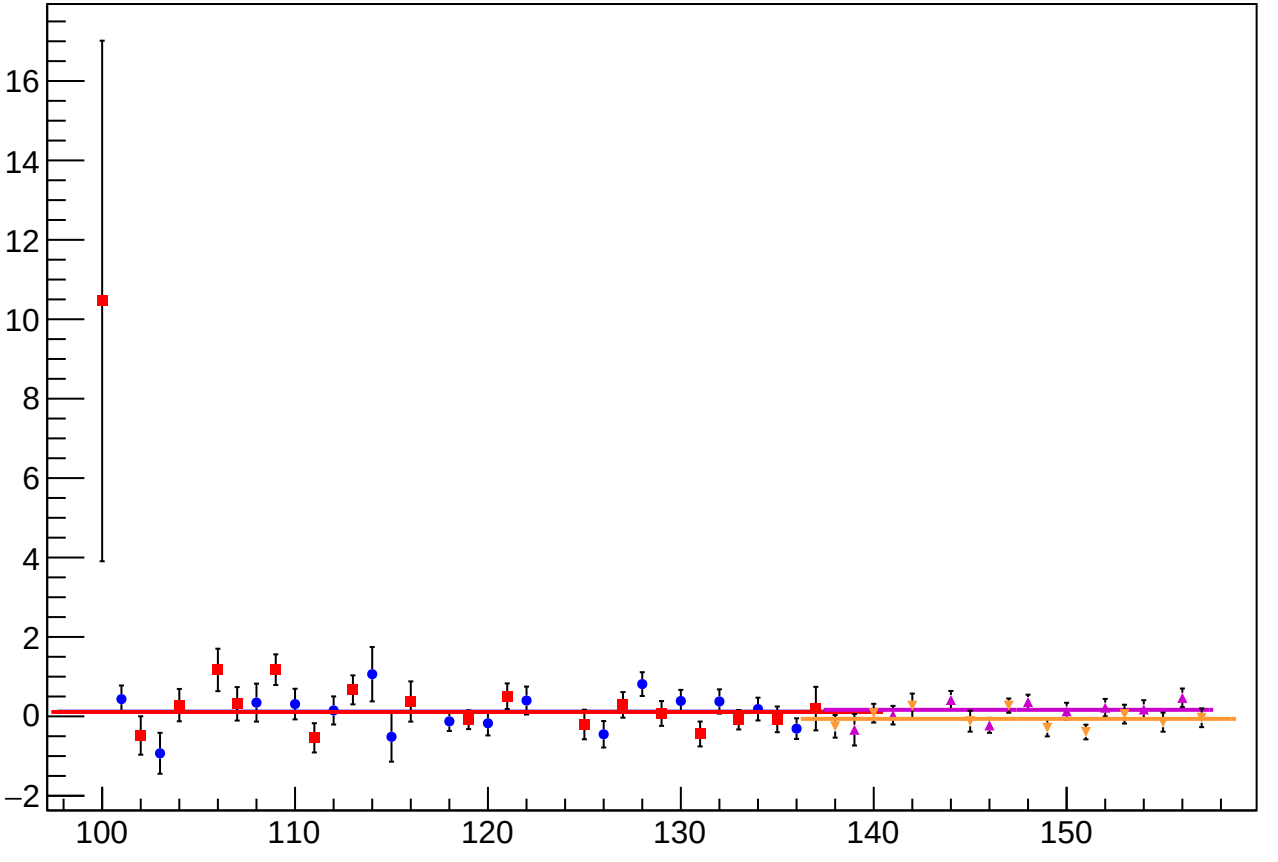
Left In: -0.046+/-0.088 χ^2/NDF:2.9/8

+ sign -0.372+/-0.059 χ^2/NDF: 55.3/25

All: -0.342+/-0.042 χ^2/NDF: 124.6/52

- sign -0.310+/-0.059 χ^2/NDF: 68.8/26

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.063+/-0.073 χ^2/NDF:10.1/9

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

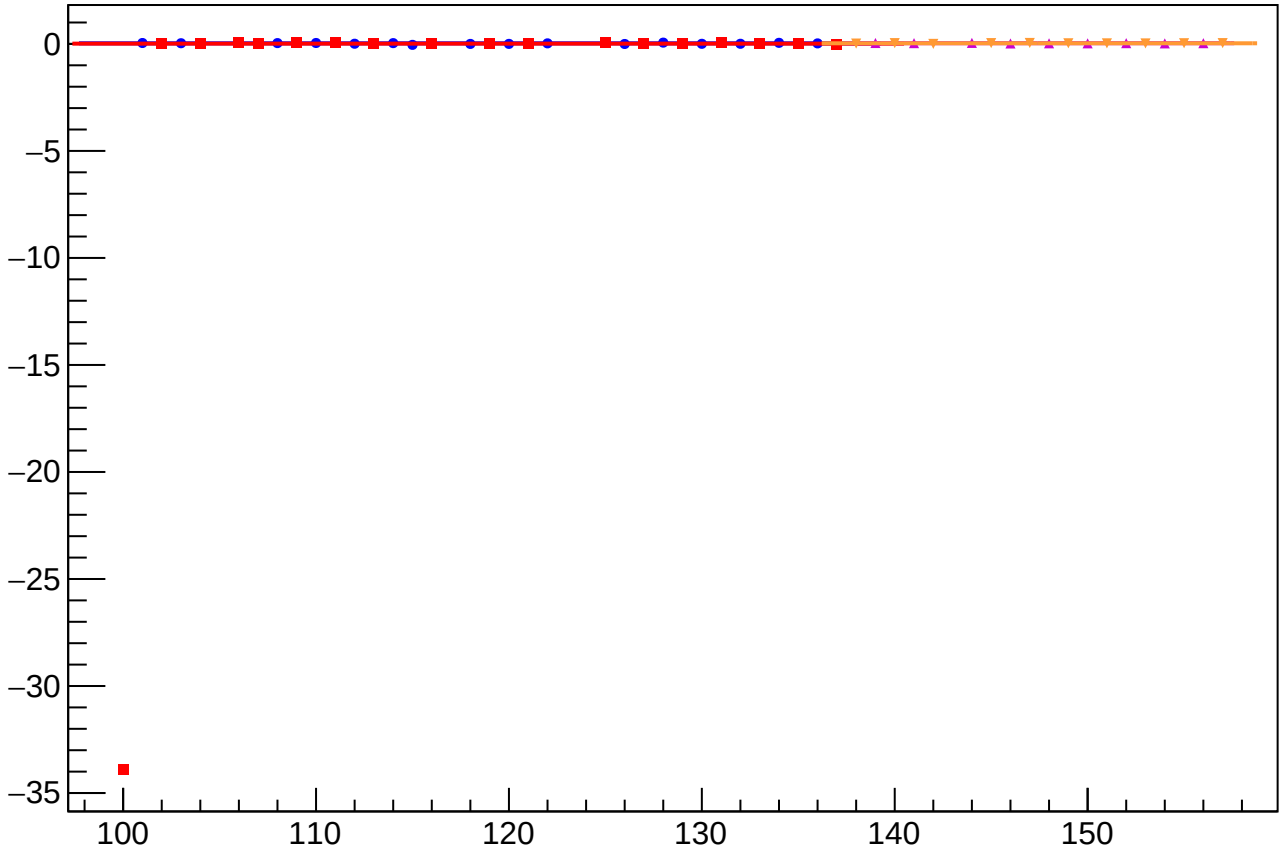
Left In: 0.164+/-0.074 χ^2/NDF:10.3/8

+ sign 0.014+/-0.055 χ^2/NDF: 36.4/25

All: 0.077+/-0.039 χ^2/NDF: 78.5/52

- sign 0.141+/-0.056 χ^2/NDF: 39.5/26

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

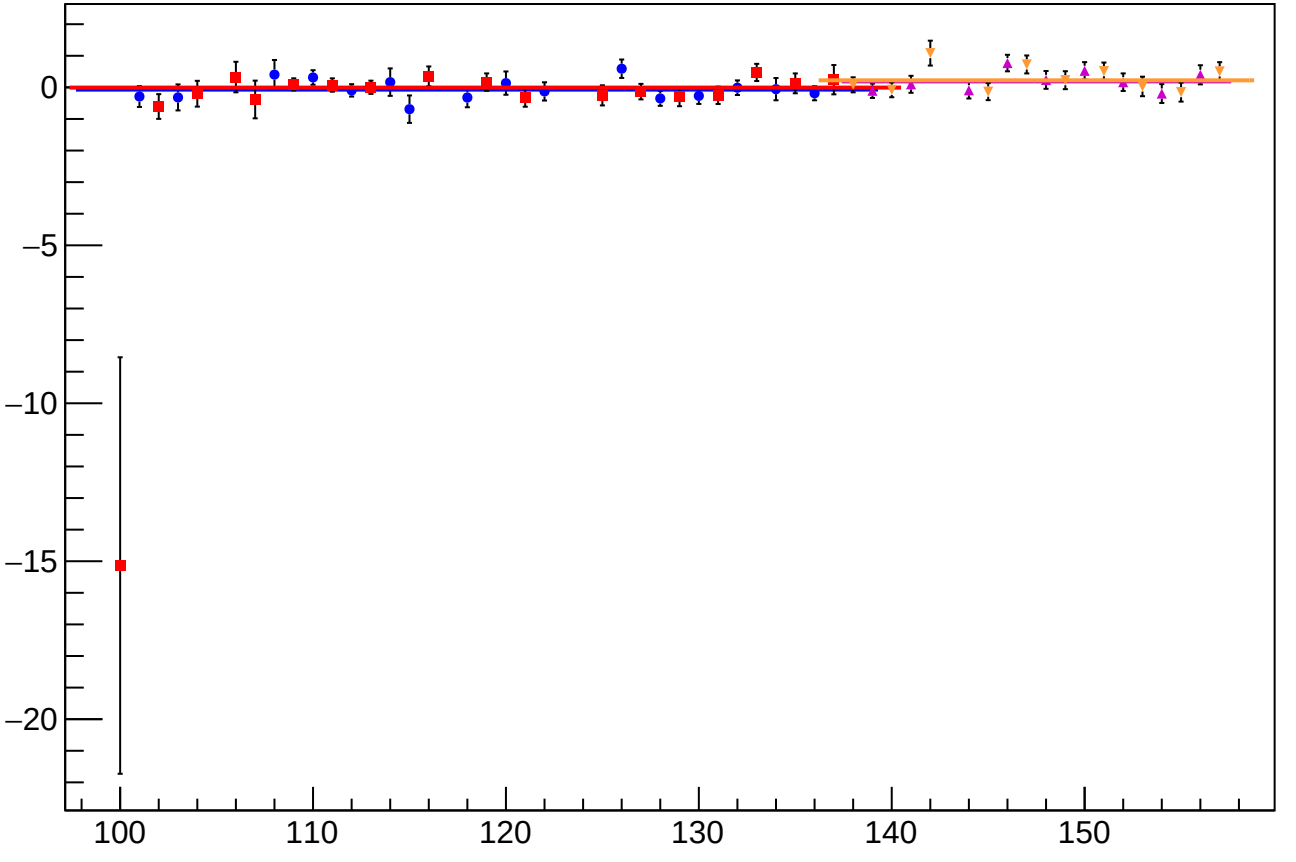
Left In: 0.033+/-0.003 χ^2/NDF:5.6/8

+ sign 0.028+/-0.003 χ^2/NDF: 23.3/25

All: 0.027+/-0.002 χ^2/NDF: 22303.9/52

- sign 0.026+/-0.003 χ^2/NDF: 22280.3/26

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.223+/-0.089 χ^2/NDF:15.7/9

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

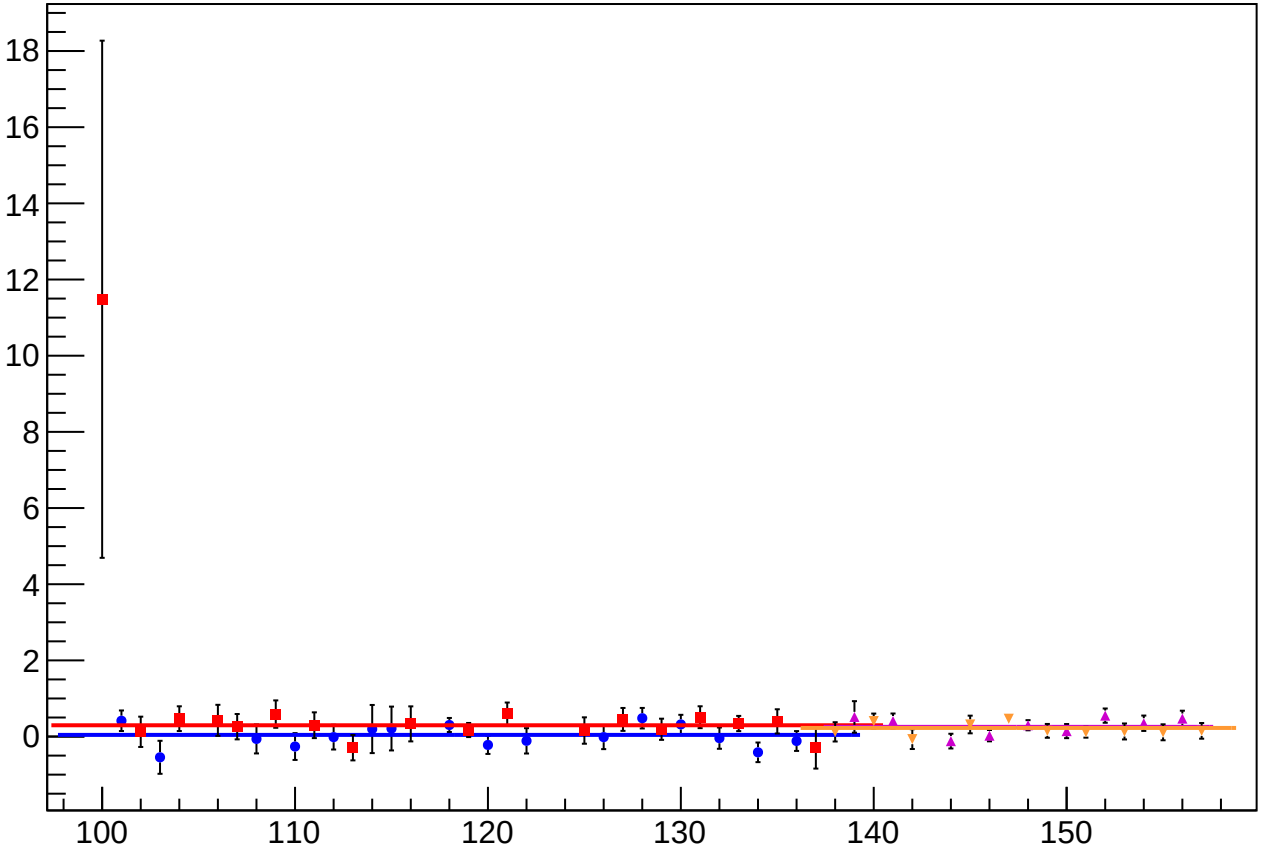
Left In: 0.190+/-0.090 χ^2/NDF:11.5/8

+ sign 0.045+/-0.055 χ^2/NDF: 37.9/25

All: 0.056+/-0.039 χ^2/NDF: 70.6/52

- sign 0.067+/-0.055 χ^2/NDF: 32.6/26

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.226+/-0.060 χ^2/NDF:7.3/9

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

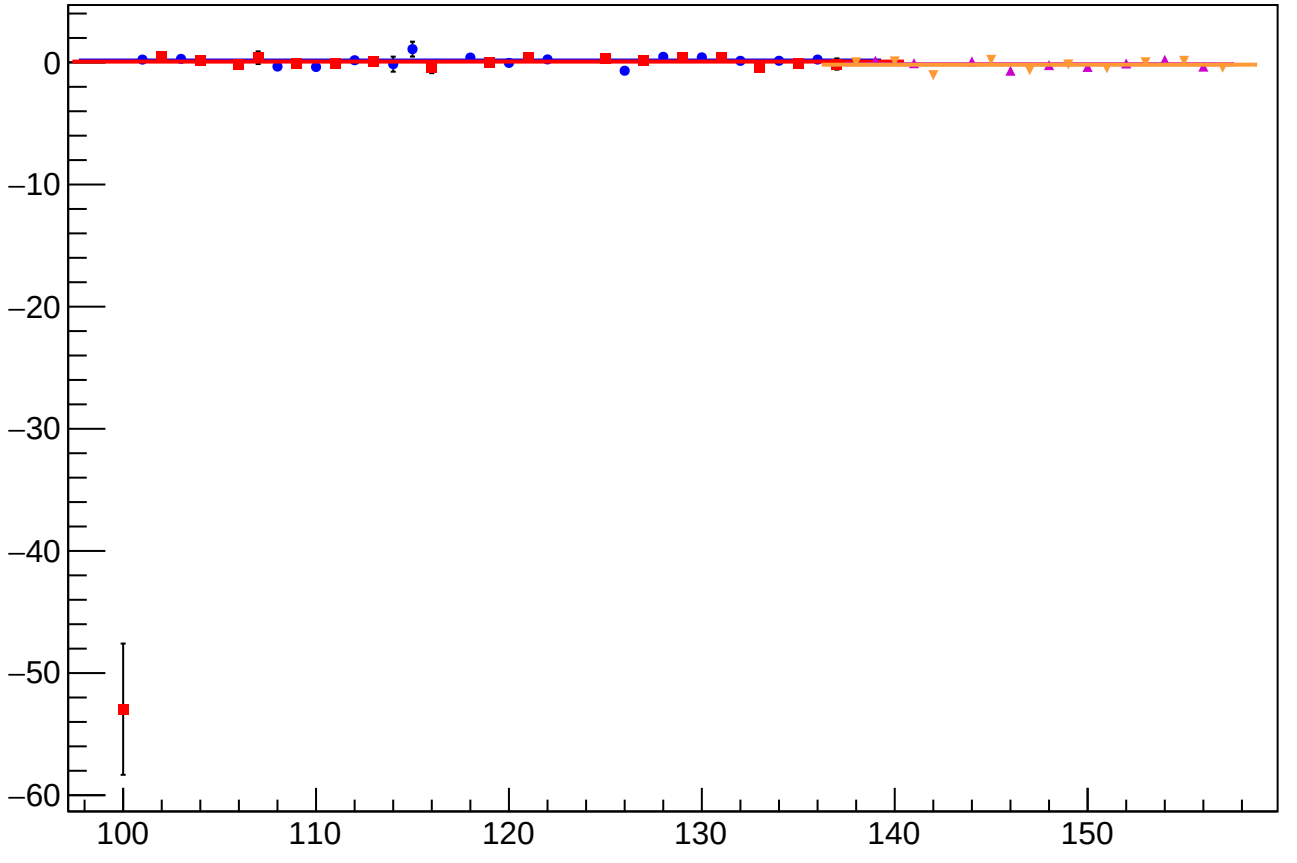
Left In: 0.254+/-0.061 χ^2/NDF:11.4/8

+ sign 0.153+/-0.046 χ^2/NDF: 26.7/25

All: 0.211+/-0.033 χ^2/NDF: 52.6/52

- sign 0.272+/-0.047 χ^2/NDF: 22.6/26

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.187+/-0.086 χ^2/NDF:15.1/9

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

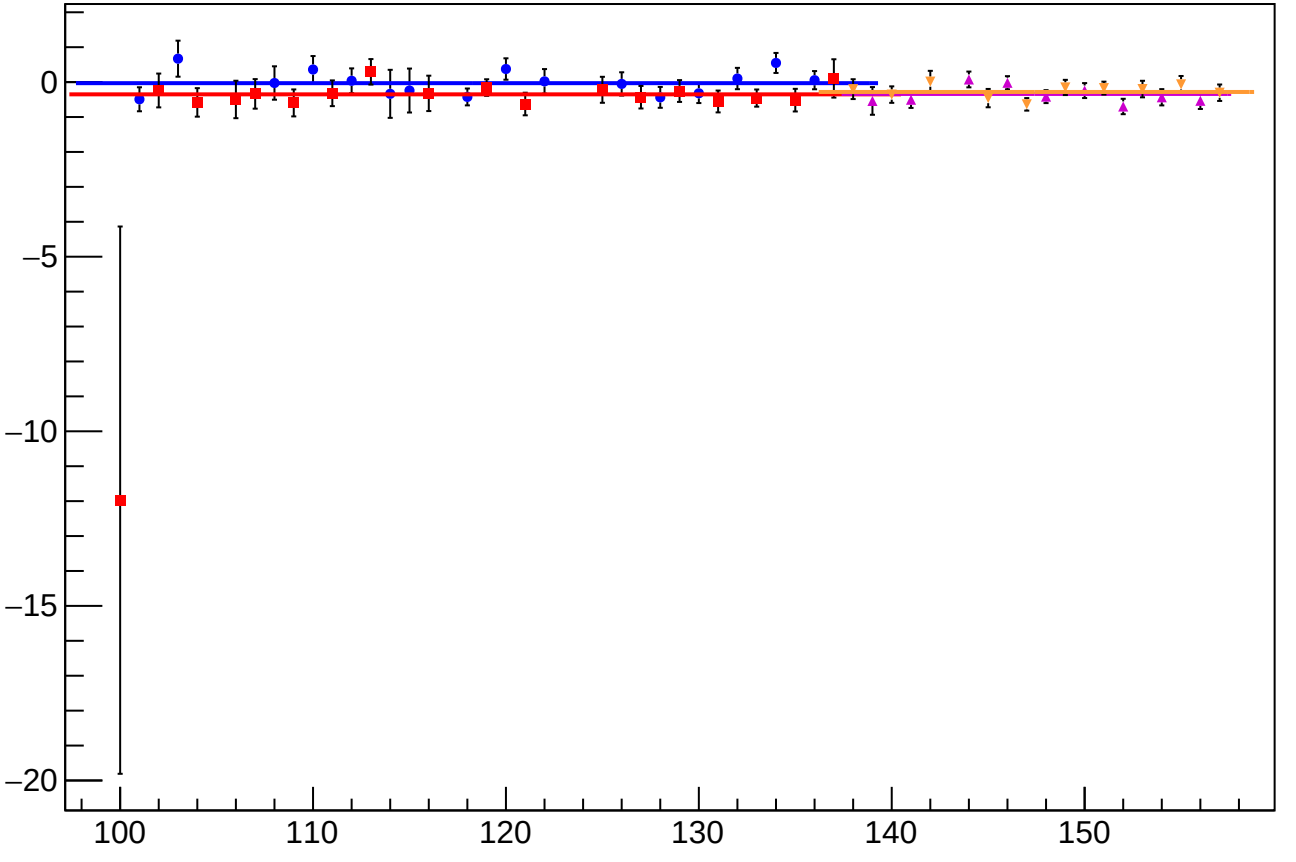
Left In: -0.150+/-0.088 χ^2/NDF:9.9/8

+ sign -0.004+/-0.059 χ^2/NDF: 39.1/25

All: -0.018+/-0.042 χ^2/NDF: 161.7/52

- sign -0.033+/-0.059 χ^2/NDF: 122.4/26

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.282+/-0.073 χ^2/NDF:7.1/9

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

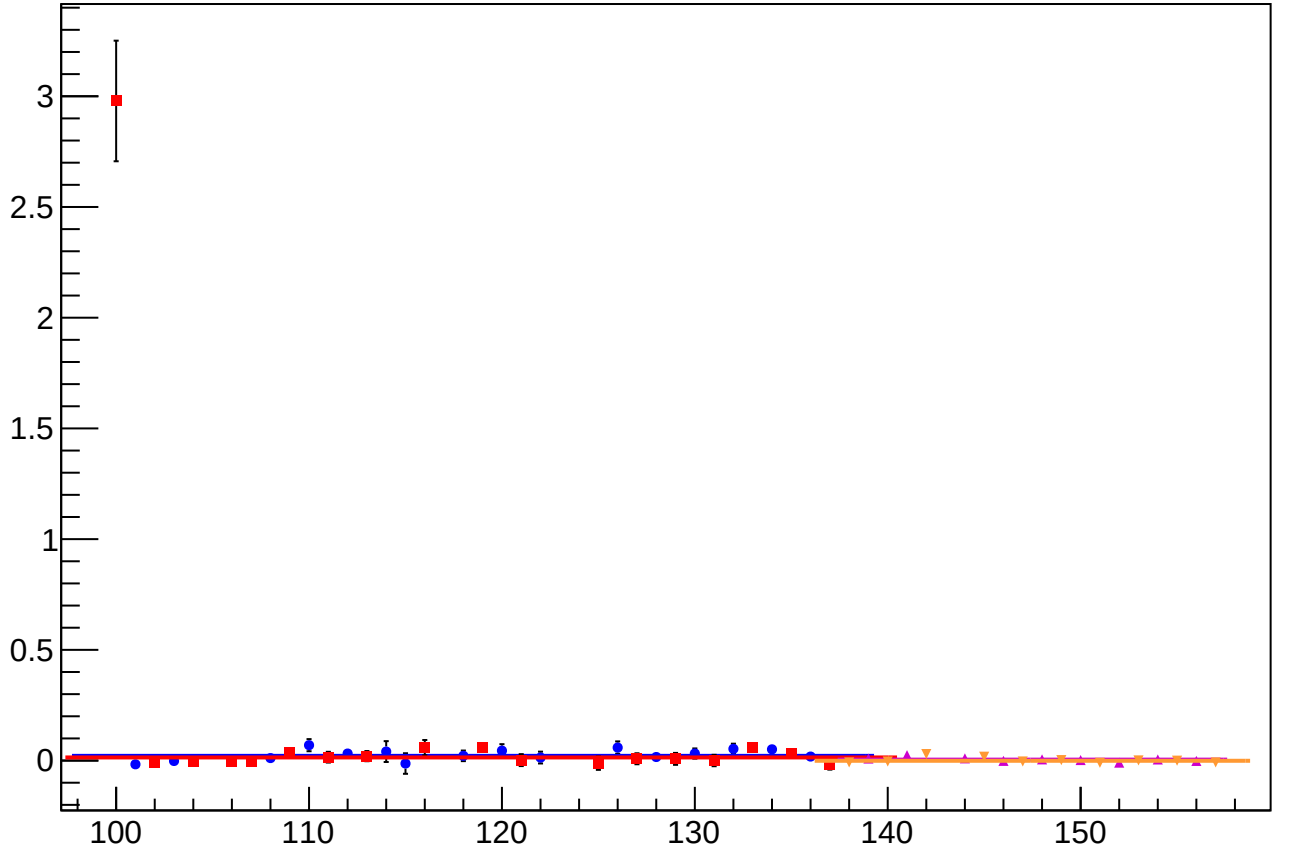
Left In: -0.339+/-0.074 χ^2/NDF:10.9/8

+ sign -0.174+/-0.055 χ^2/NDF: 29.1/25

All: -0.257+/-0.039 χ^2/NDF: 54.1/52

- sign -0.344+/-0.056 χ^2/NDF: 20.3/26

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:8.6/9

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

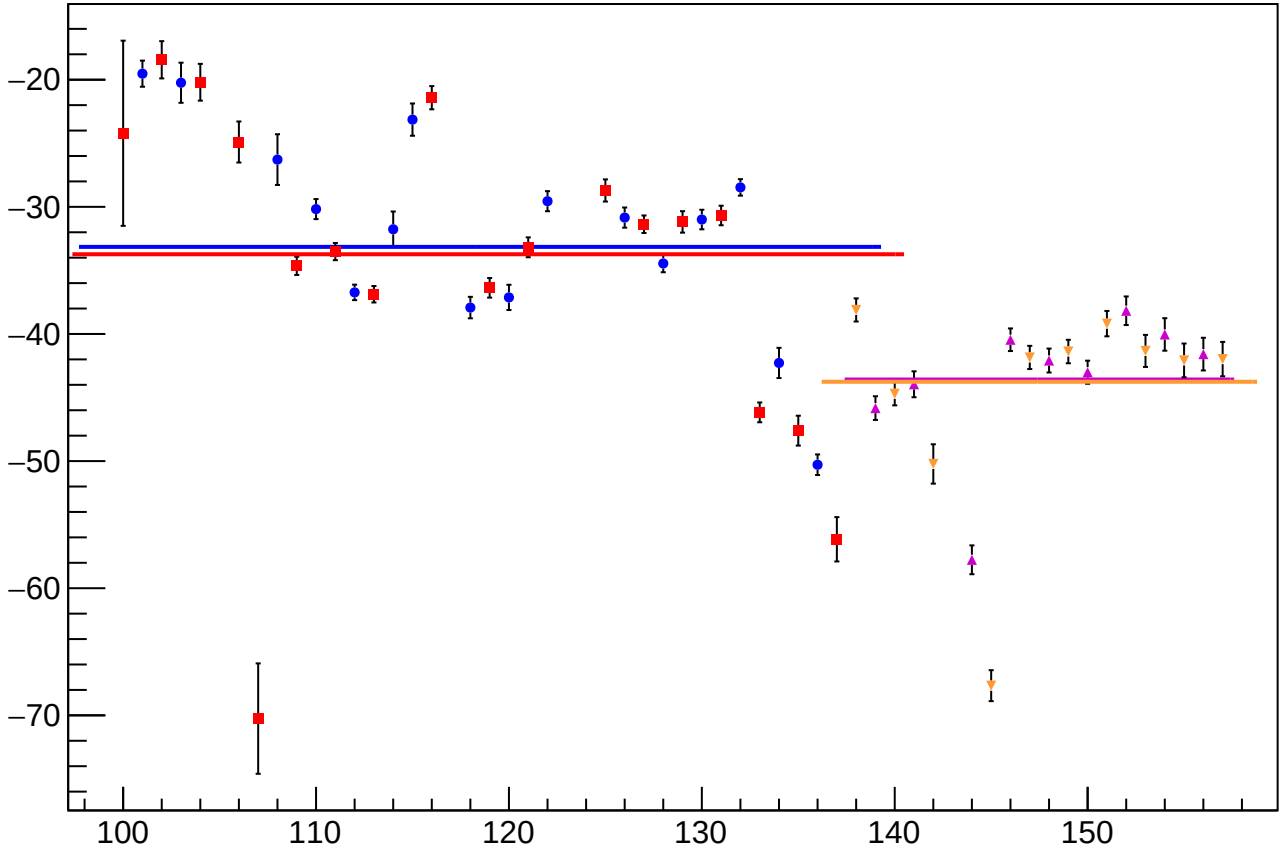
Left In: 0.004+/-0.003 χ^2/NDF:6.6/8

+ sign 0.006+/-0.003 χ^2/NDF: 45.5/25

All: 0.007+/-0.002 χ^2/NDF: 195.8/52

- sign 0.007+/-0.003 χ^2/NDF: 150.2/26

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.759+/-0.340 χ^2/NDF:481.7/9

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

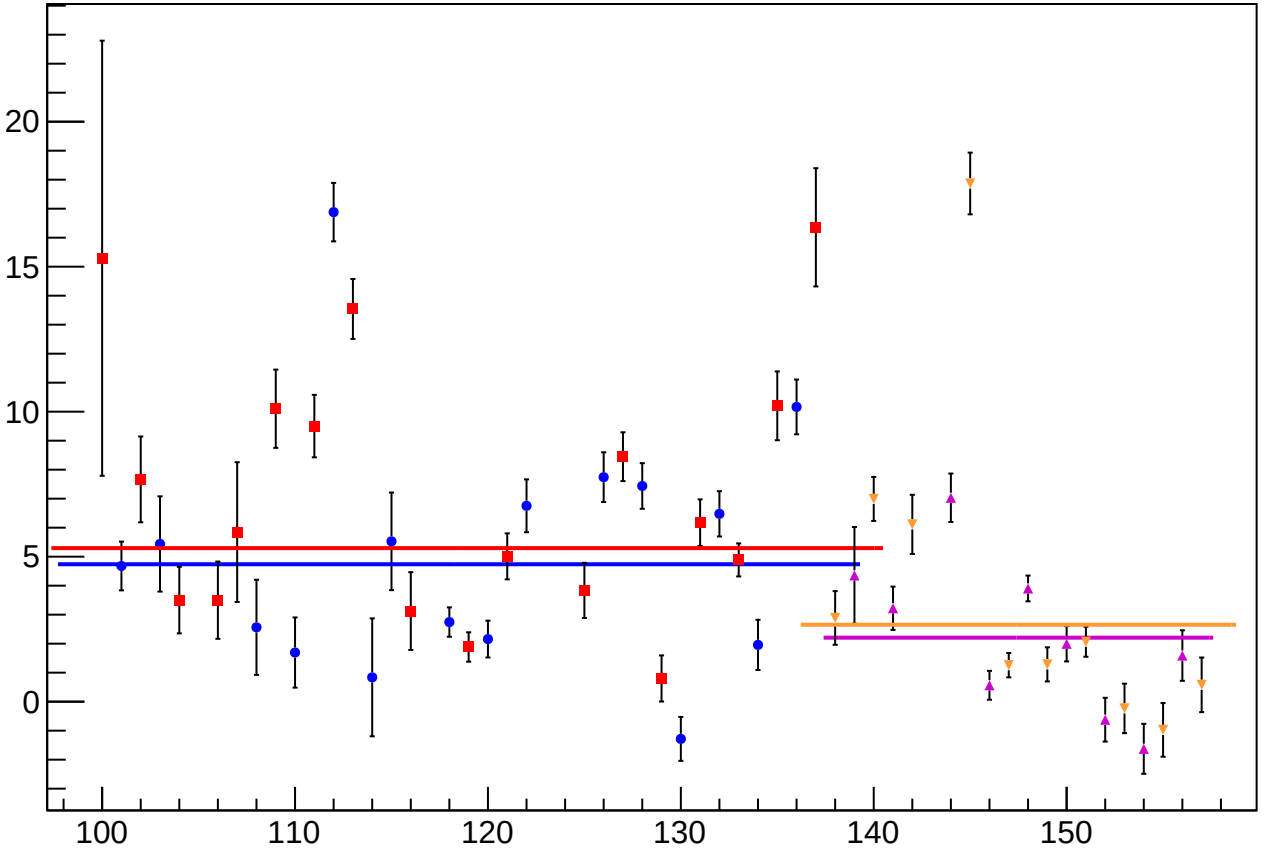
Left In: -43.581+/-0.343 χ^2/NDF:210.9/8

+ sign -36.233+/-0.184 χ^2/NDF: 2184.6/25

All: -36.372+/-0.129 χ^2/NDF: 4137.8/52

- sign -36.508+/-0.182 χ^2/NDF: 1952.1/26

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.653+/-0.220 χ^2/NDF:298.2/9

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

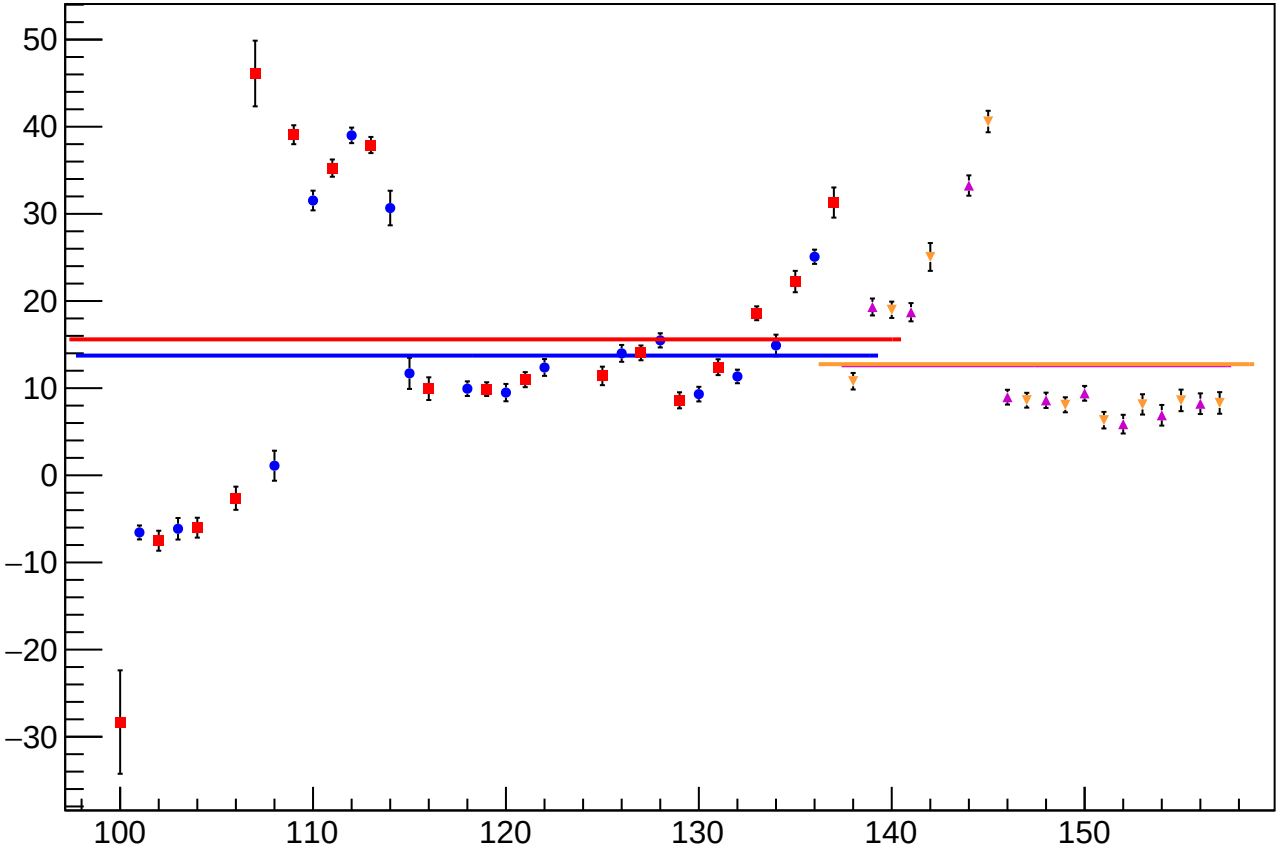
Left In: 2.207+/-0.225 χ^2/NDF:96.8/8

+ sign 3.698+/-0.155 χ^2/NDF: 672.9/25

All: 3.729+/-0.111 χ^2/NDF: 1109.9/52

- sign 3.760+/-0.158 χ^2/NDF: 436.9/26

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 12.752+/-0.330 χ^2/NDF:756.9/9

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

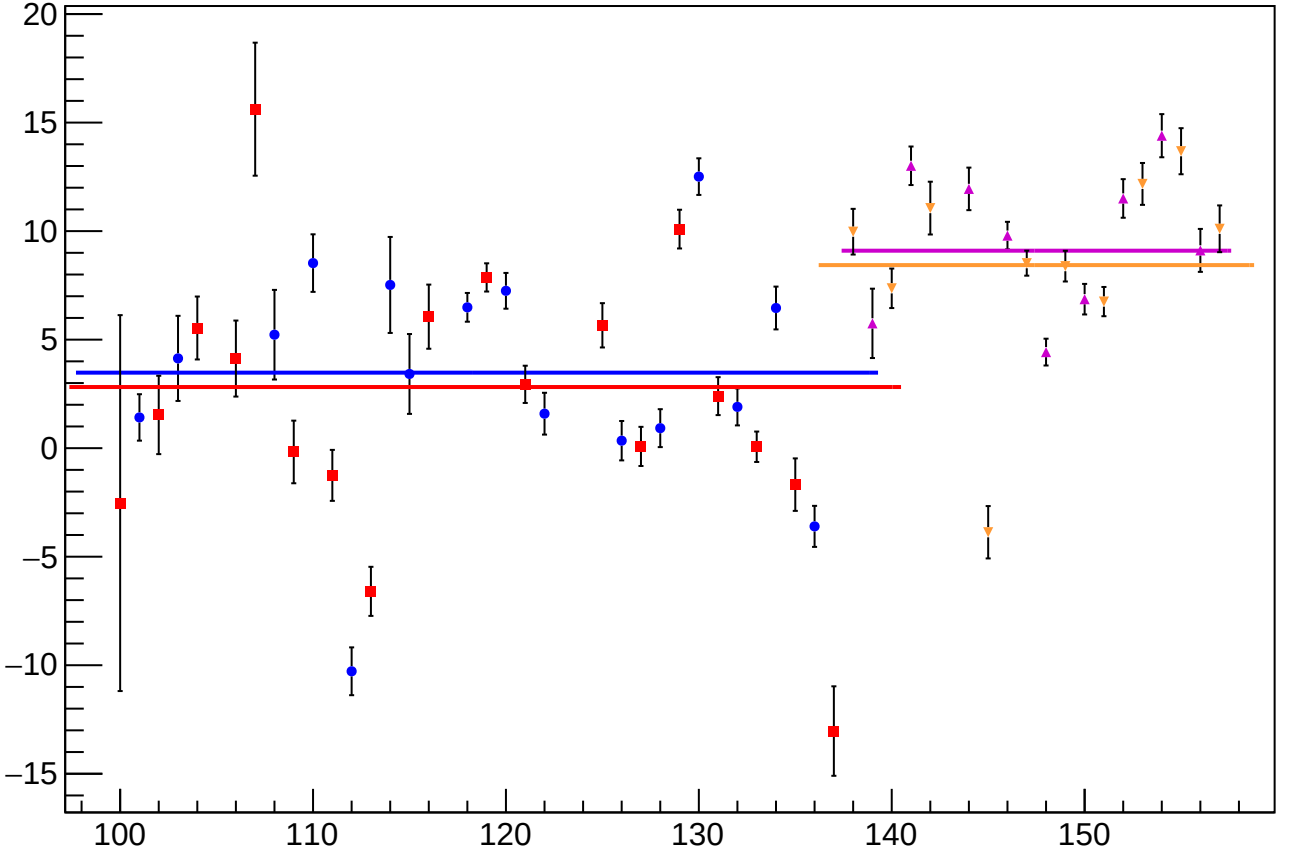
Left In: 12.627+/-0.332 χ^2/NDF:524.1/8

+ sign 13.385+/-0.198 χ^2/NDF: 3112.5/25

All: 13.948+/-0.141 χ^2/NDF: 6530.4/52

- sign 14.524+/-0.200 χ^2/NDF: 3401.5/26

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.434+/-0.272 χ^2/NDF:160.4/9

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

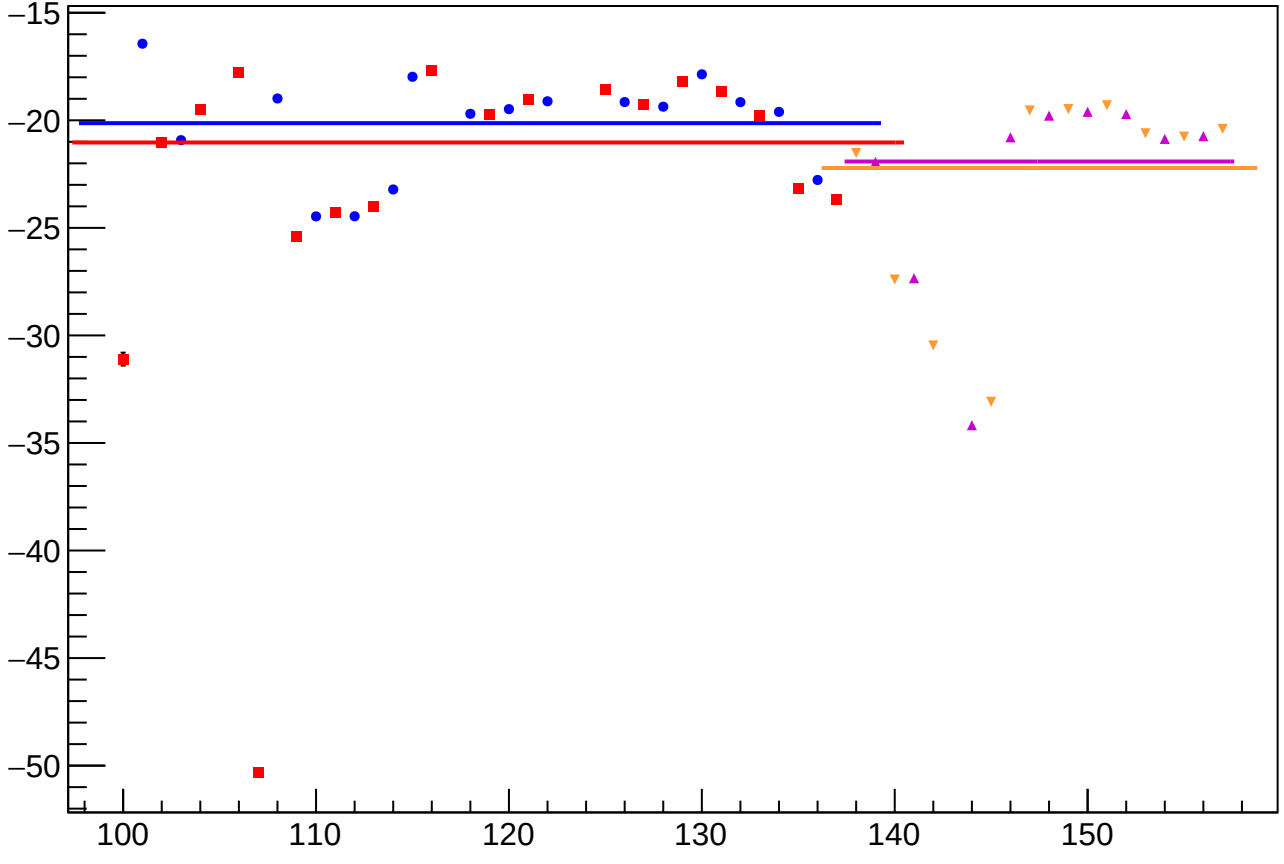
Left In: 9.098+/-0.276 χ^2/NDF:136.5/8

+ sign 5.784+/-0.186 χ^2/NDF: 765.5/25

All: 5.760+/-0.132 χ^2/NDF: 1524.4/52

- sign 5.736+/-0.188 χ^2/NDF: 758.8/26

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.217+/-0.013 χ^2/NDF:103290.2/9

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

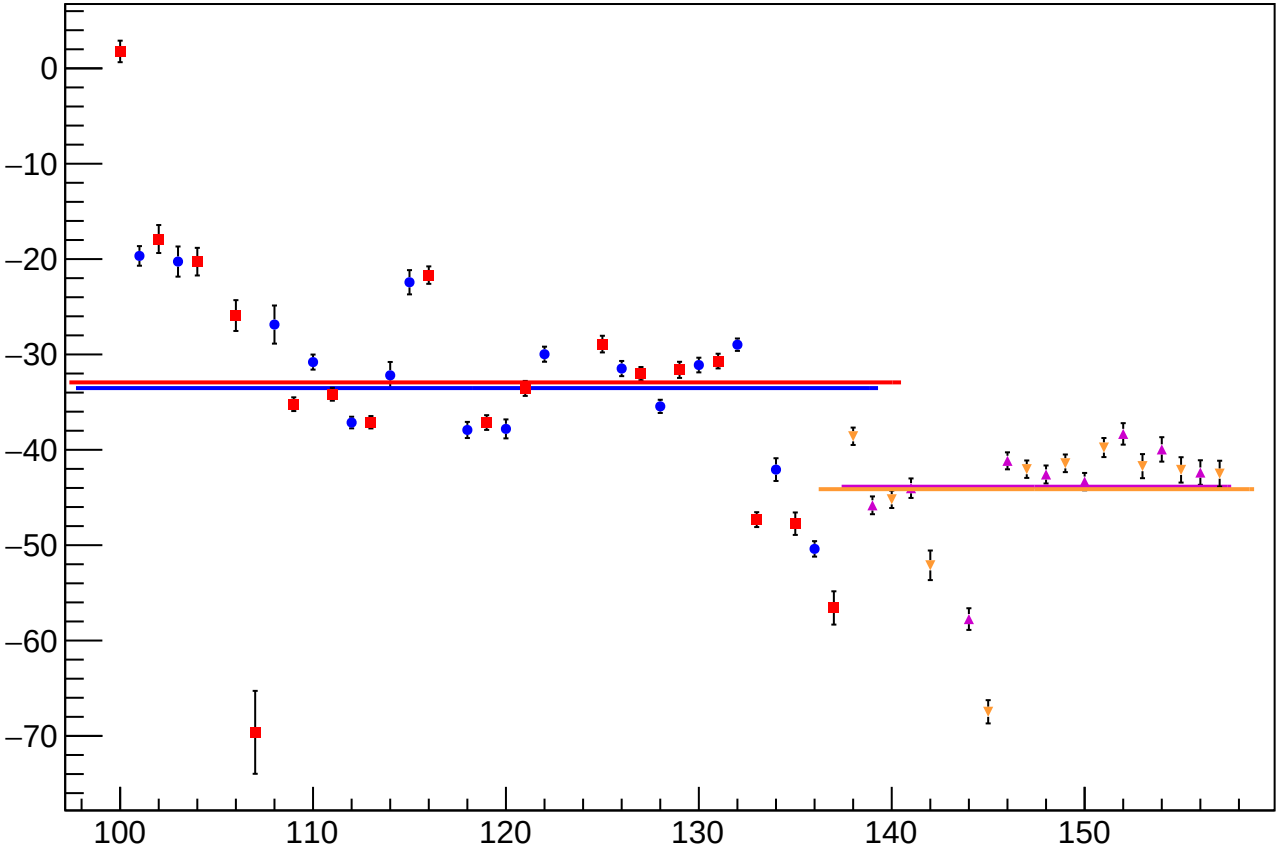
Left In: -21.915+/-0.013 χ^2/NDF:84689.2/8

+ sign -21.390+/-0.010 χ^2/NDF: 133331.8/25

All: -21.486+/-0.007 χ^2/NDF: 277529.4/52

- sign -21.582+/-0.010 χ^2/NDF: 144015.8/26

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.127+/-0.341 χ^2/NDF:471.3/9

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

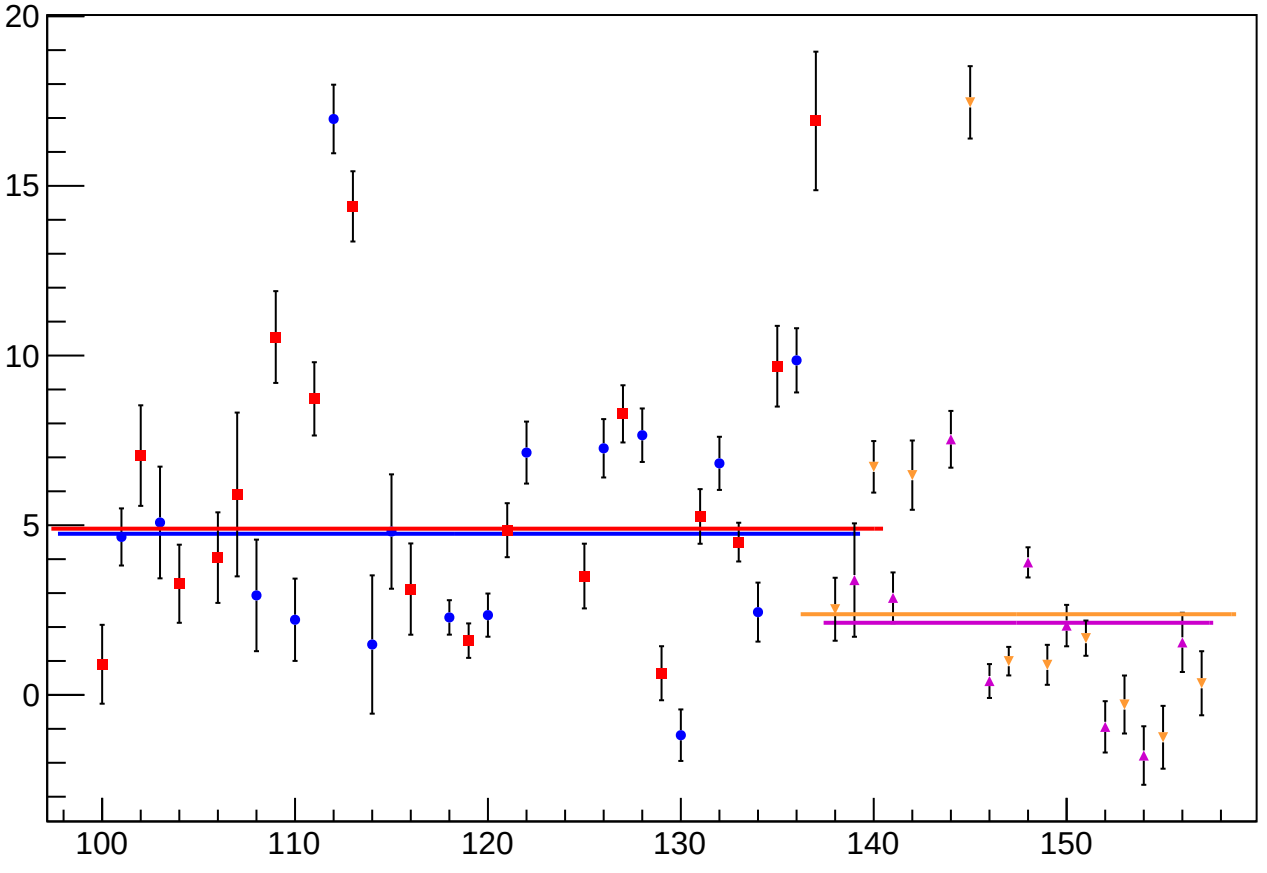
Left In: -43.869+/-0.344 χ^2/NDF:200.1/8

+ sign -36.611+/-0.184 χ^2/NDF: 2164.8/25

All: -36.268+/-0.129 χ^2/NDF: 5276.7/52

- sign -35.939+/-0.180 χ^2/NDF: 3105.1/26

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.378+/-0.220 χ^2/NDF:297.5/9

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

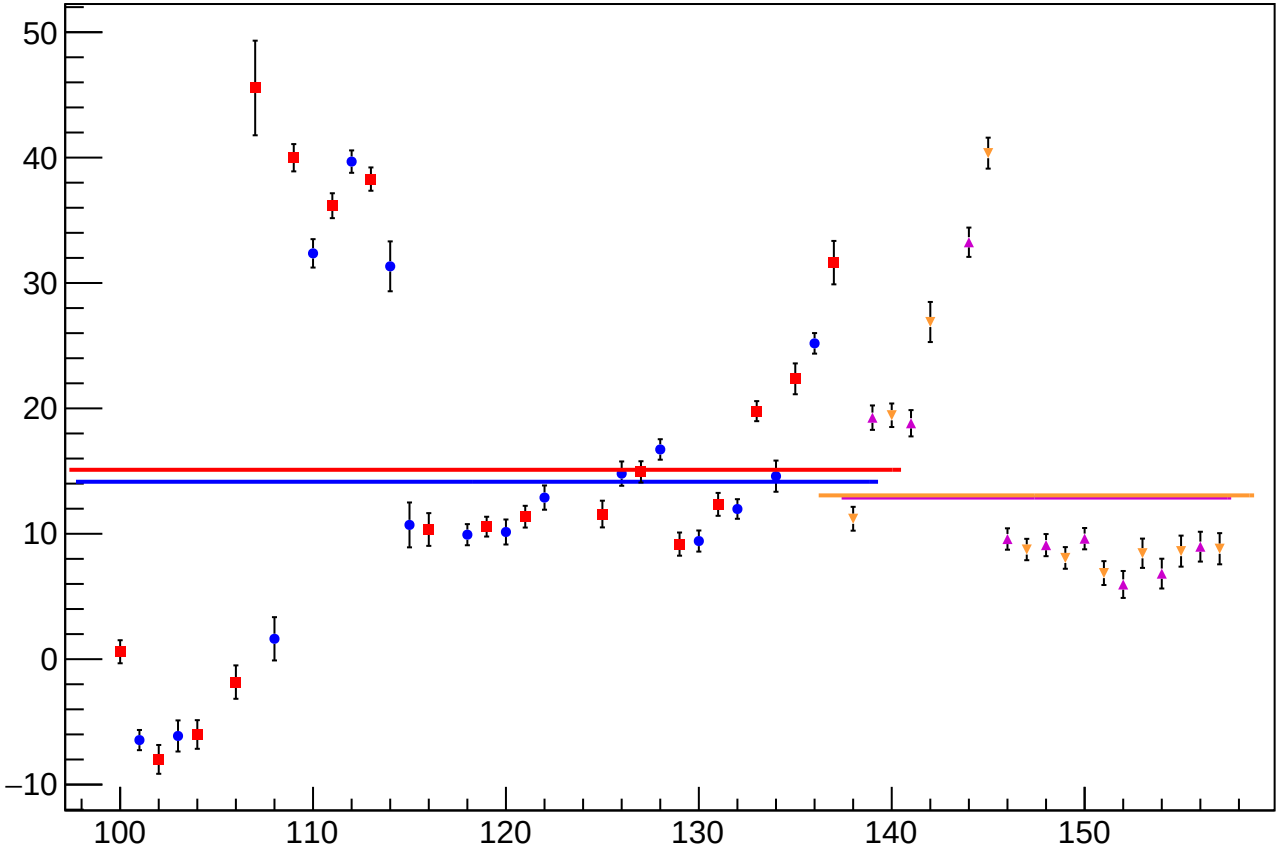
Left In: 2.125+/-0.225 χ^2/NDF:108.6/8

+ sign 3.566+/-0.156 χ^2/NDF: 681.4/25

All: 3.555+/-0.111 χ^2/NDF: 1140.7/52

- sign 3.544+/-0.157 χ^2/NDF: 459.3/26

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.062+/-0.331 χ^2/NDF:754.9/9

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

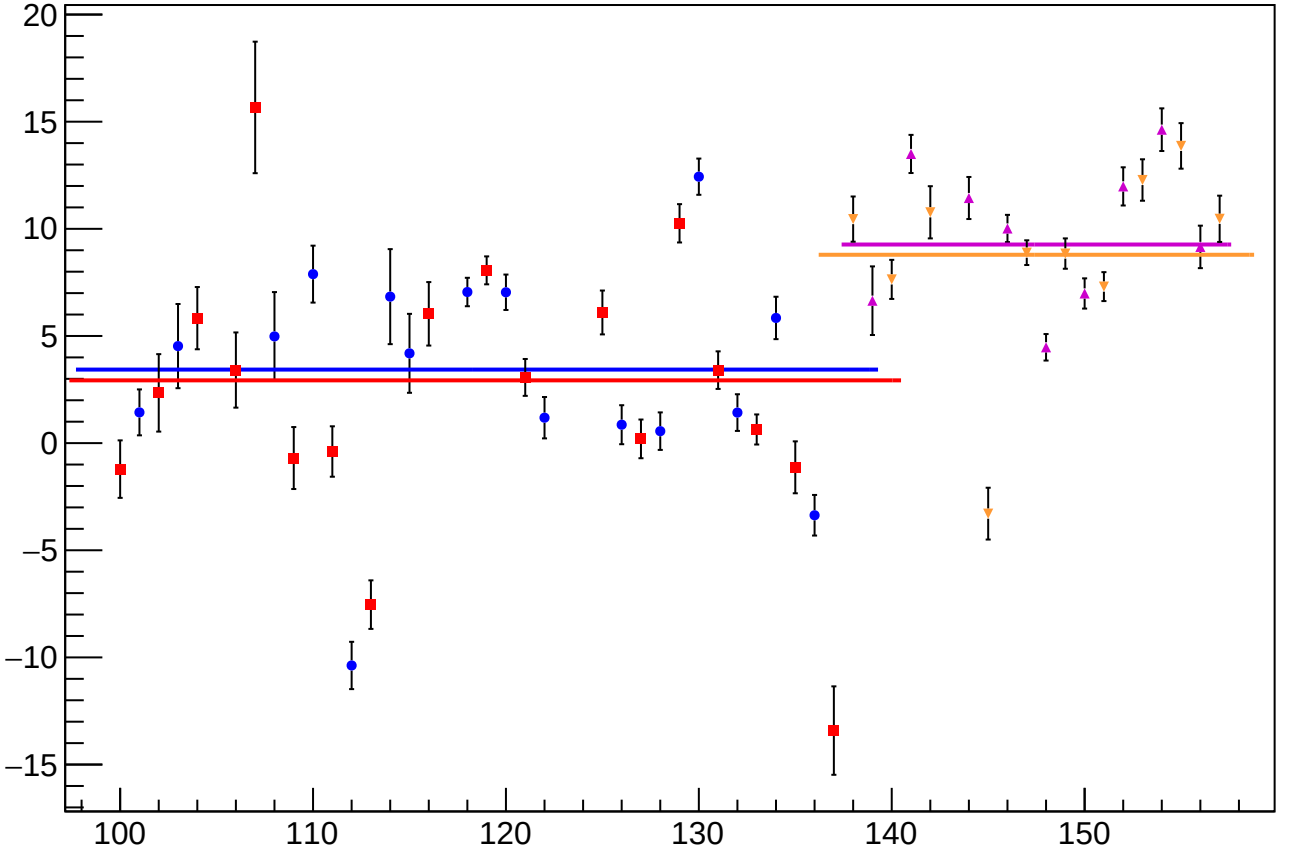
Left In: 12.888+/-0.333 χ^2/NDF:505.0/8

\+ sign 13.759+/-0.198 χ^2/NDF: 3164.2/25

All: 14.052+/-0.139 χ^2/NDF: 6804.8/52

\- sign 14.337+/-0.196 χ^2/NDF: 3636.3/26

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.790+/-0.272 χ^2/NDF:149.7/9

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

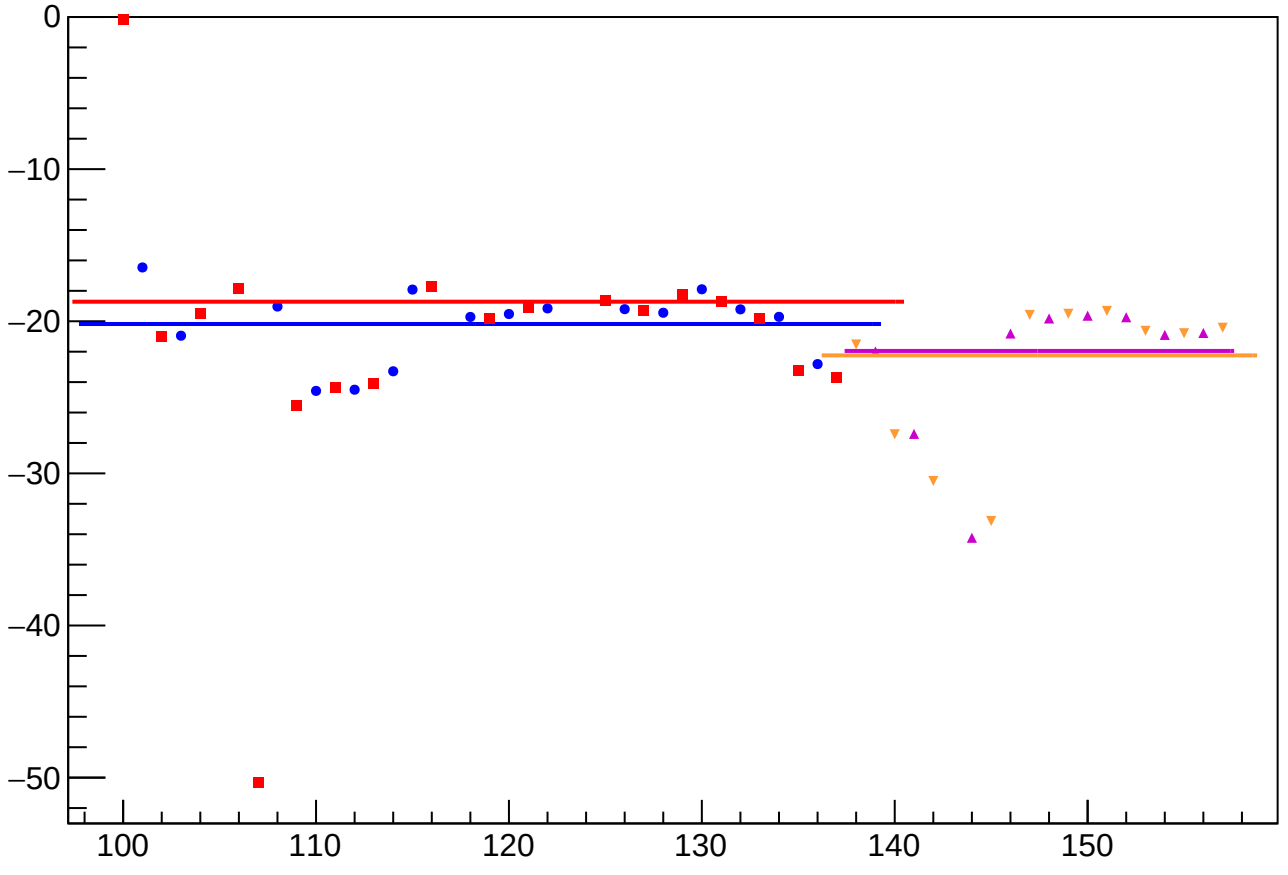
Left In: 9.268+/-0.277 χ^2/NDF:140.4/8

+ sign 5.925+/-0.186 χ^2/NDF: 780.4/25

All: 5.873+/-0.132 χ^2/NDF: 1574.3/52

- sign 5.820+/-0.187 χ^2/NDF: 793.7/26

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.243+/-0.013 χ^2/NDF:103071.5/9

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

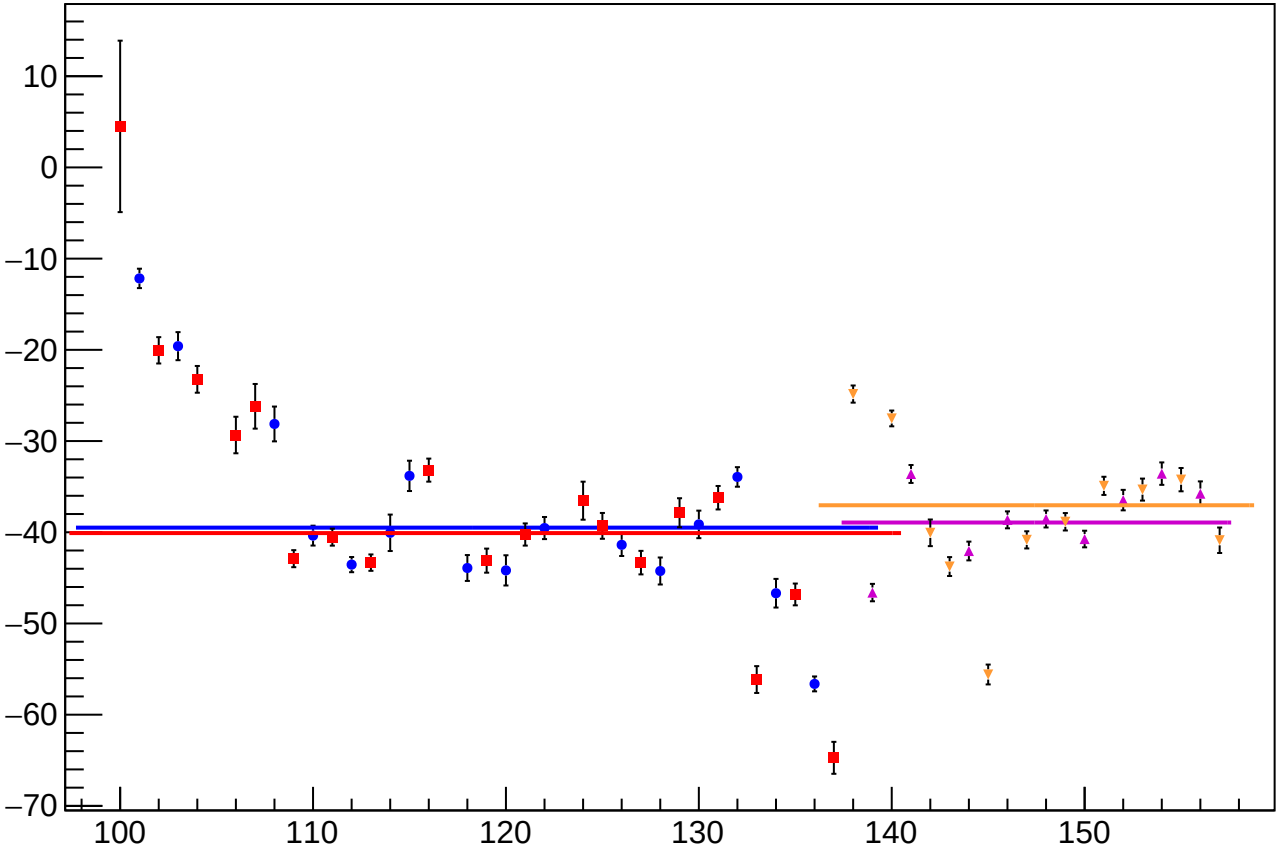
Left In: -21.951+/-0.013 χ^2/NDF:84838.5/8

+ sign -21.425+/-0.010 χ^2/NDF: 132894.1/25

All: -21.026+/-0.007 χ^2/NDF: 481234.1/52

- sign -20.644+/-0.010 χ^2/NDF: 345293.0/26

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.039+/-0.320 χ^2/NDF:664.7/10

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

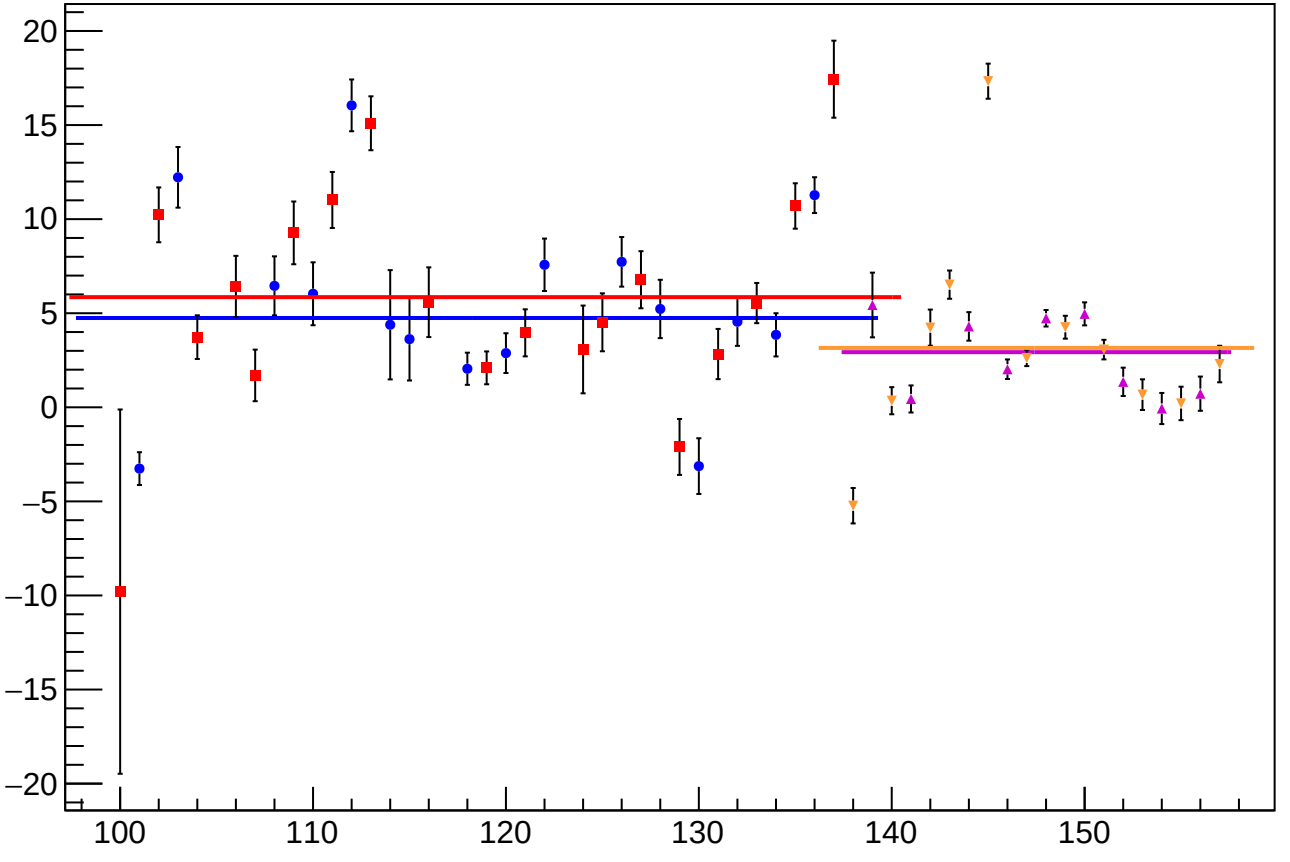
Left In: -38.933+/-0.341 χ^2/NDF:136.8/8

+ sign -38.303+/-0.223 χ^2/NDF: 2112.1/26

All: -38.922+/-0.159 χ^2/NDF: 3105.9/54

- sign -39.572+/-0.228 χ^2/NDF: 978.1/27

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.156+/-0.210 χ^2/NDF:372.8/10

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

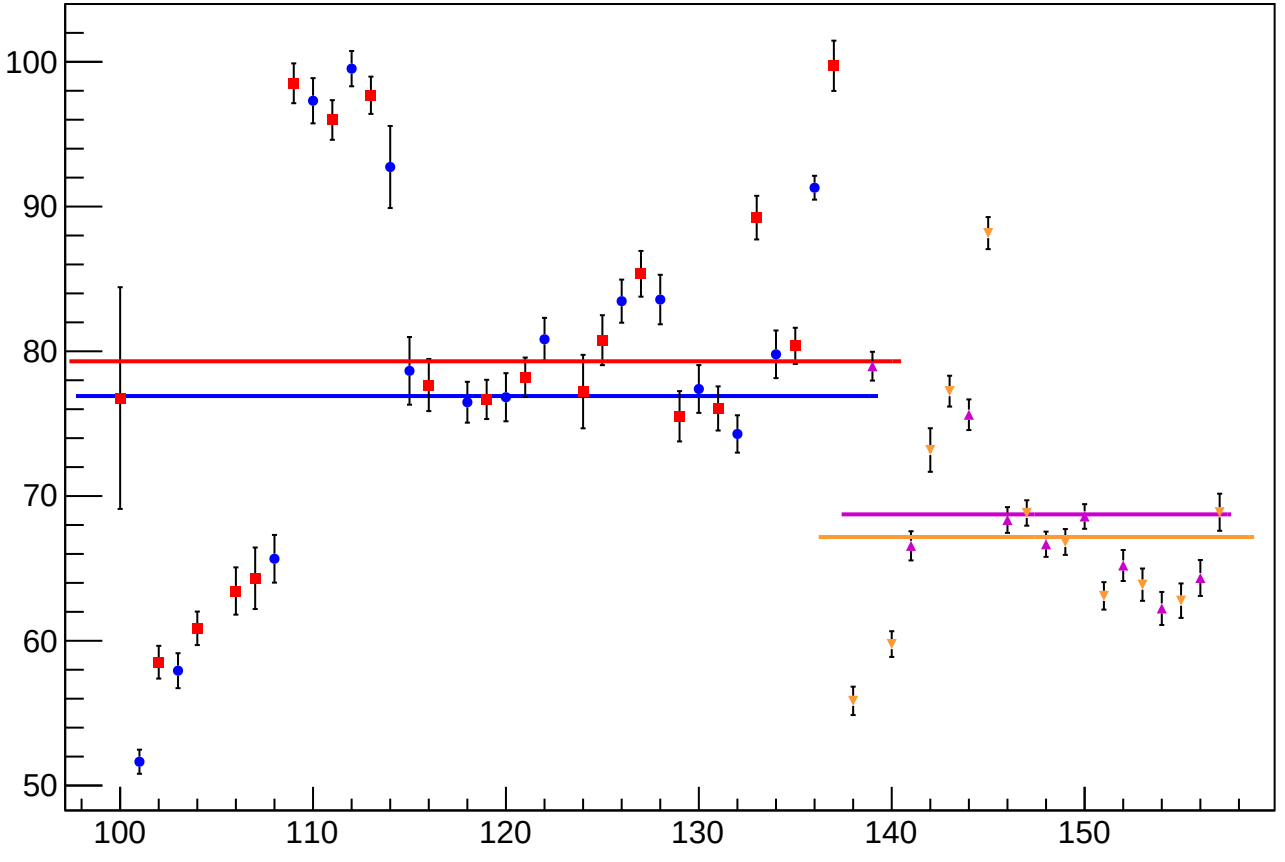
Left In: 2.931+/-0.224 χ^2/NDF:71.6/8

+ sign 3.645+/-0.175 χ^2/NDF: 664.2/26

All: 3.754+/-0.127 χ^2/NDF: 979.4/54

- sign 3.875+/-0.184 χ^2/NDF: 314.4/27

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.171+/-0.313 χ^2/NDF:713.0/10

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

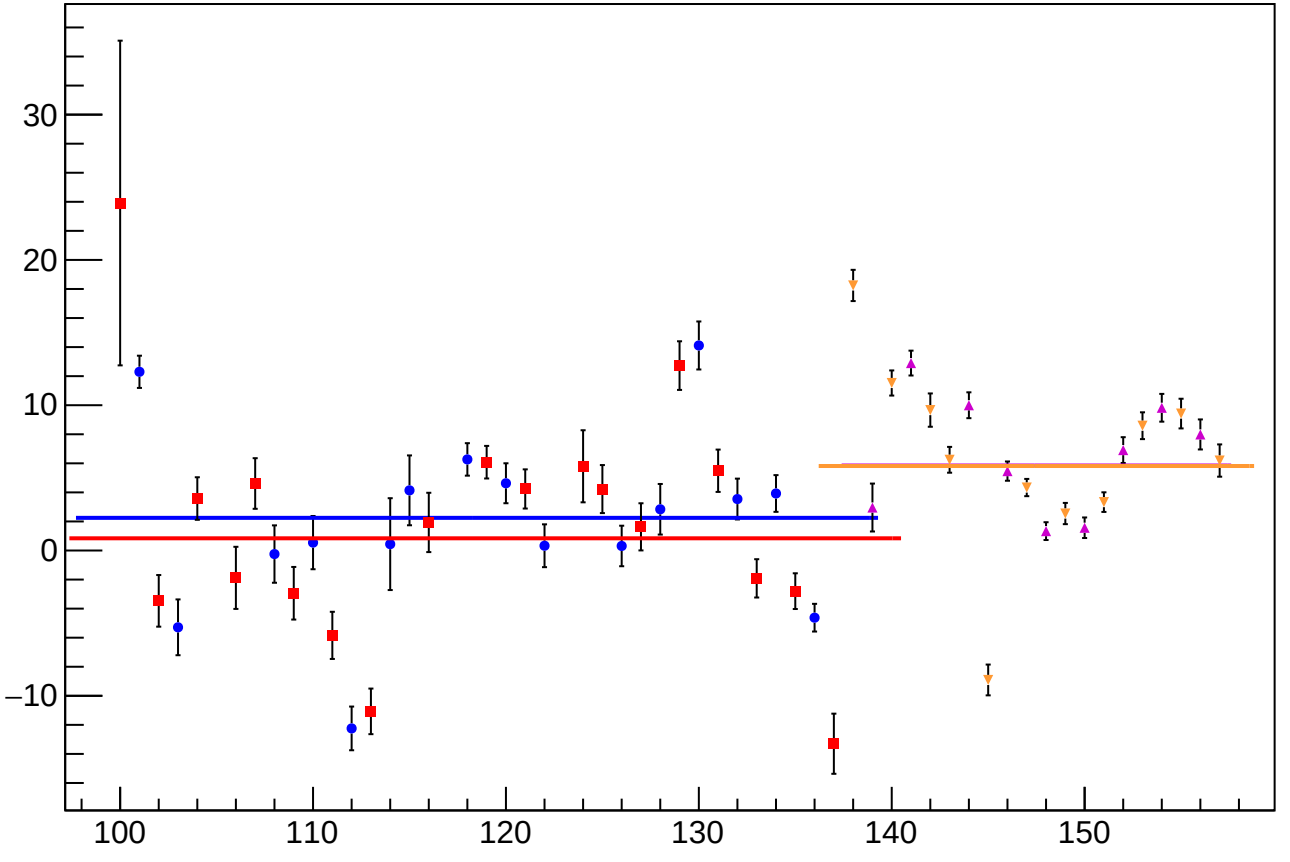
Left In: 68.734+/-0.331 χ^2/NDF:214.3/8

+ sign 71.679+/-0.229 χ^2/NDF: 3277.8/26

All: 72.672+/-0.166 χ^2/NDF: 5513.1/54

- sign 73.759+/-0.240 χ^2/NDF: 2195.9/27

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.816+/-0.258 χ^2/NDF:443.4/10

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

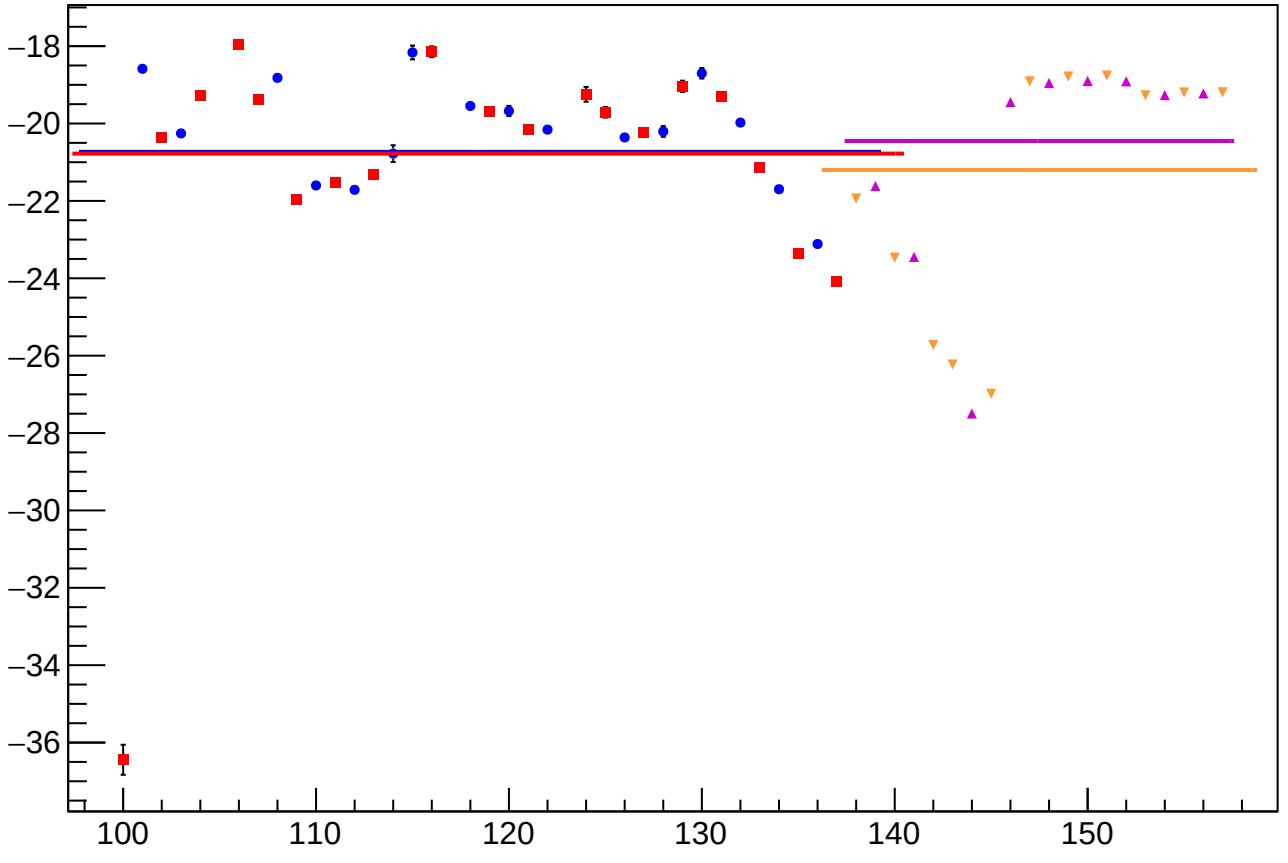
Left In: 5.852+/-0.275 χ^2/NDF:207.3/8

+ sign 4.616+/-0.211 χ^2/NDF: 827.1/26

All: 4.362+/-0.152 χ^2/NDF: 1411.0/54

- sign 4.083+/-0.221 χ^2/NDF: 580.9/27

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.200+/-0.012 χ^2/NDF:58484.3/10

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

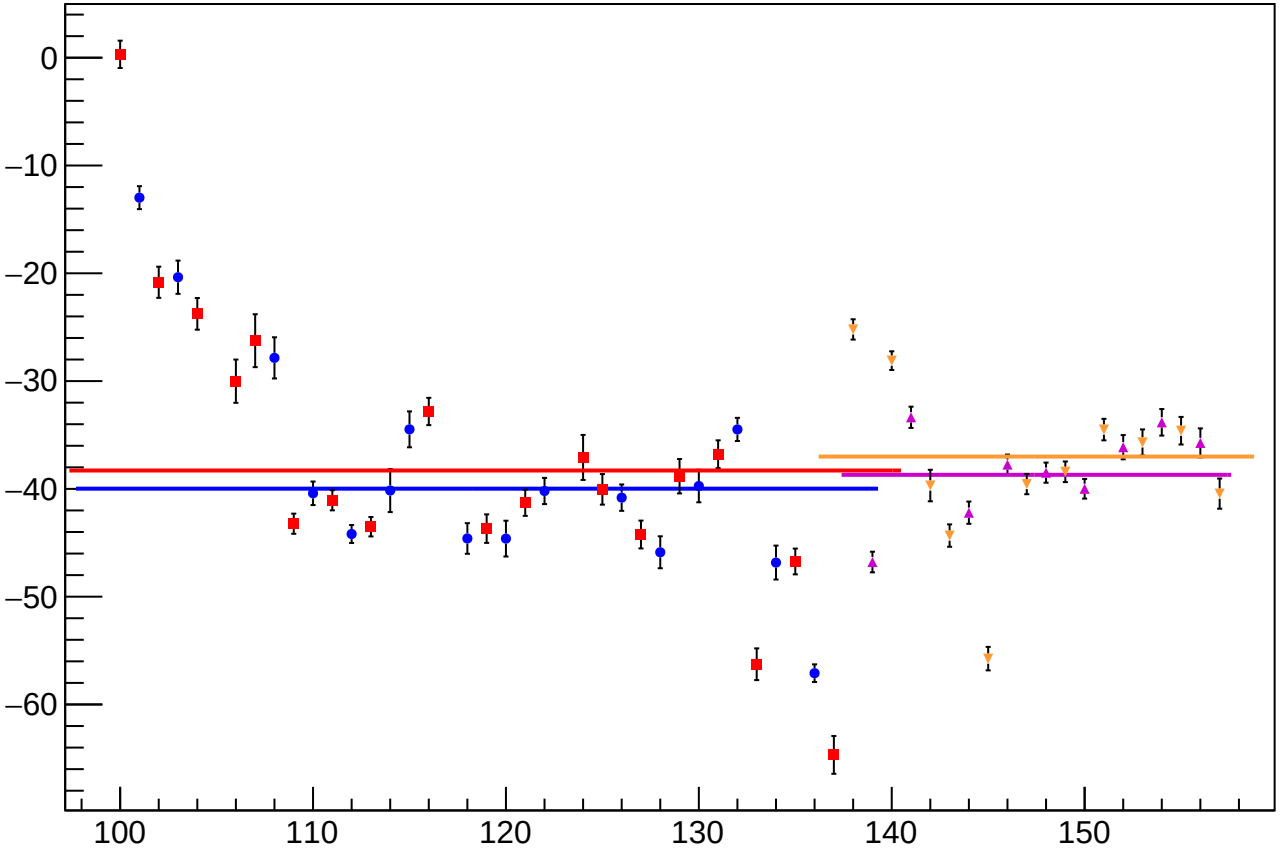
Left In: -20.452+/-0.013 χ^2/NDF:36421.7/8

+ sign -21.065+/-0.010 χ^2/NDF: 66531.2/26

All: -20.814+/-0.007 χ^2/NDF: 113766.0/54

- sign -20.545+/-0.011 χ^2/NDF: 46034.7/27

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.000+/-0.321 χ^2/NDF:637.5/10

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

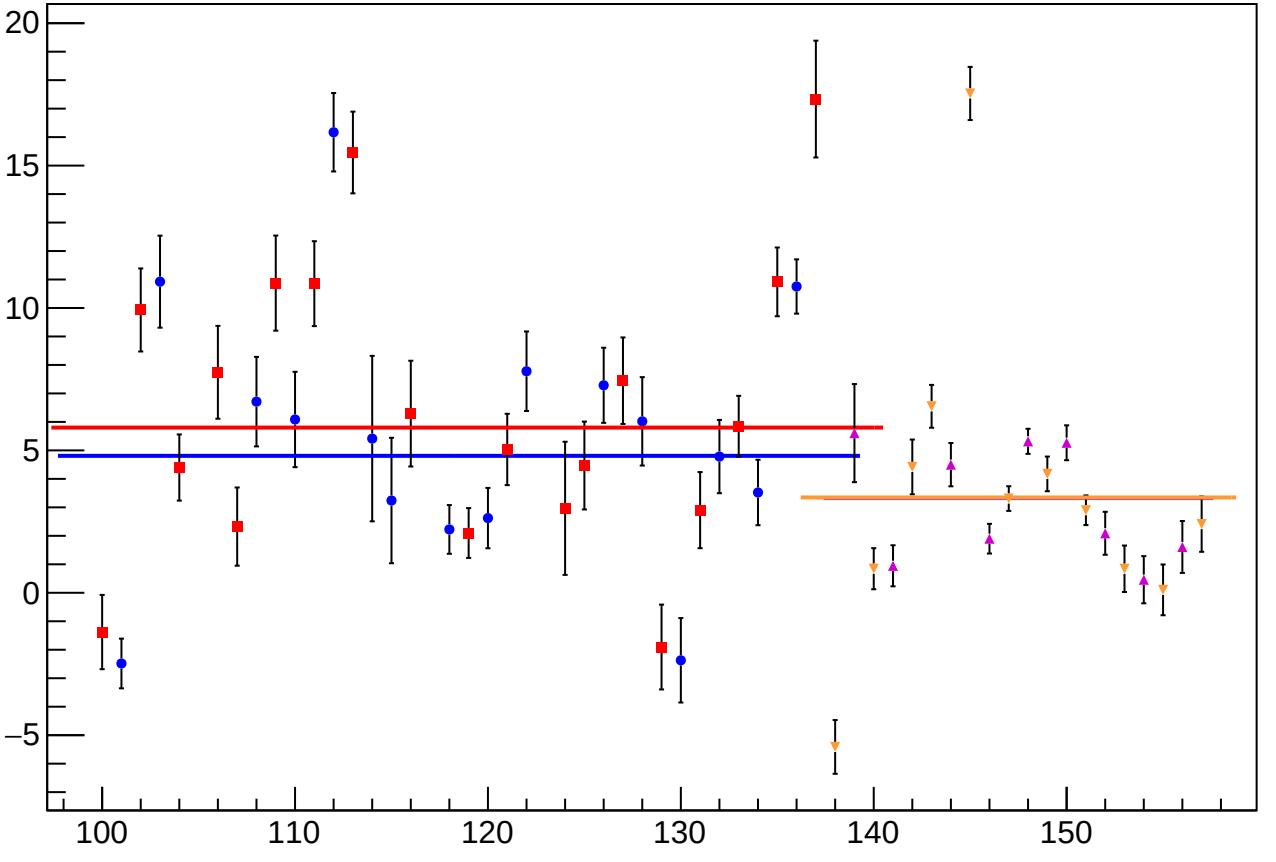
Left In: -38.696+/-0.342 χ^2/NDF:141.2/8

+ sign -38.535+/-0.223 χ^2/NDF: 2080.4/26

All: -38.502+/-0.159 χ^2/NDF: 3996.2/54

- sign -38.469+/-0.225 χ^2/NDF: 1915.8/27

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 3.347+/-0.211 χ^2/NDF:374.6/10

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

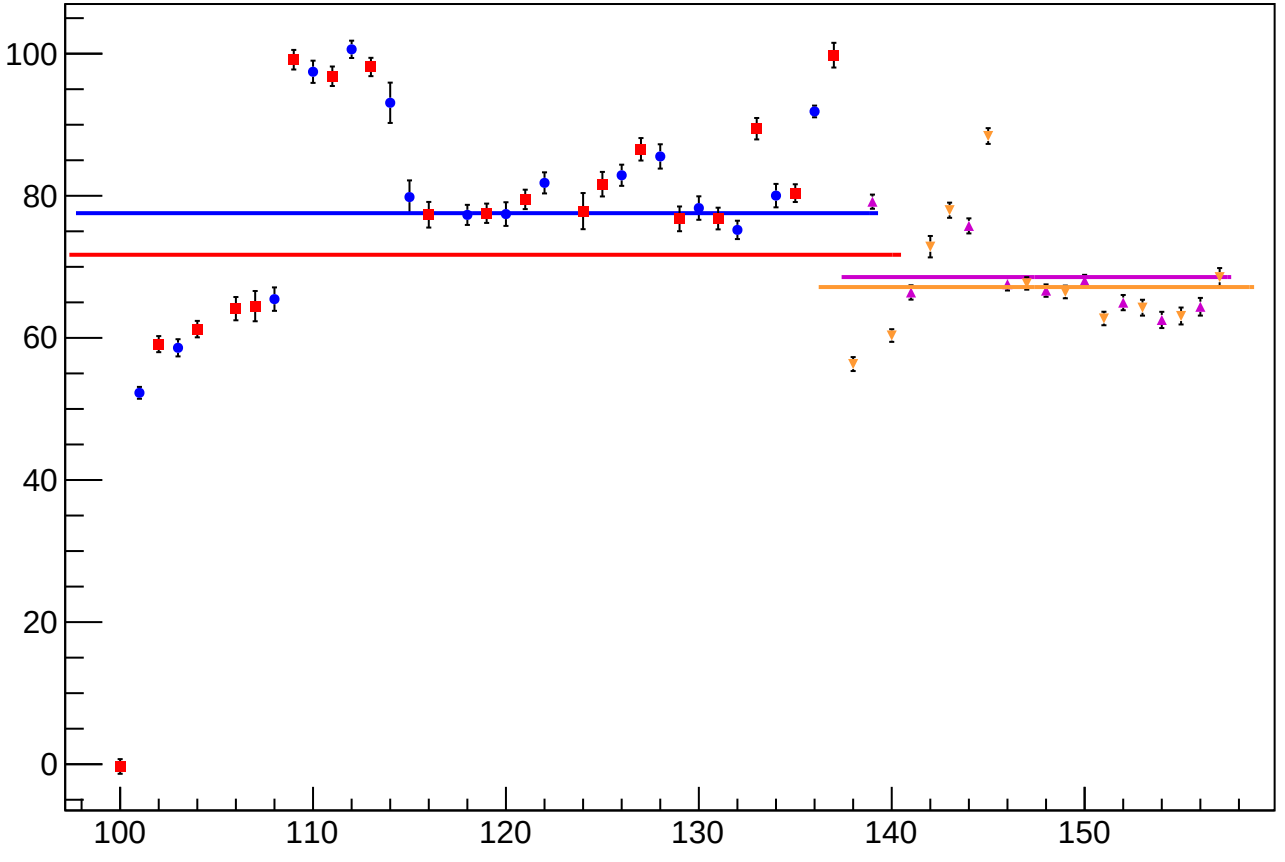
Left In: 3.326+/-0.224 χ^2/NDF:71.3/8

\+ sign 3.795+/-0.175 χ^2/NDF: 629.9/26

All: 3.969+/-0.126 χ^2/NDF: 960.6/54

\- sign 4.158+/-0.183 χ^2/NDF: 328.7/27

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.155+/-0.313 χ^2/NDF:706.1/10

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

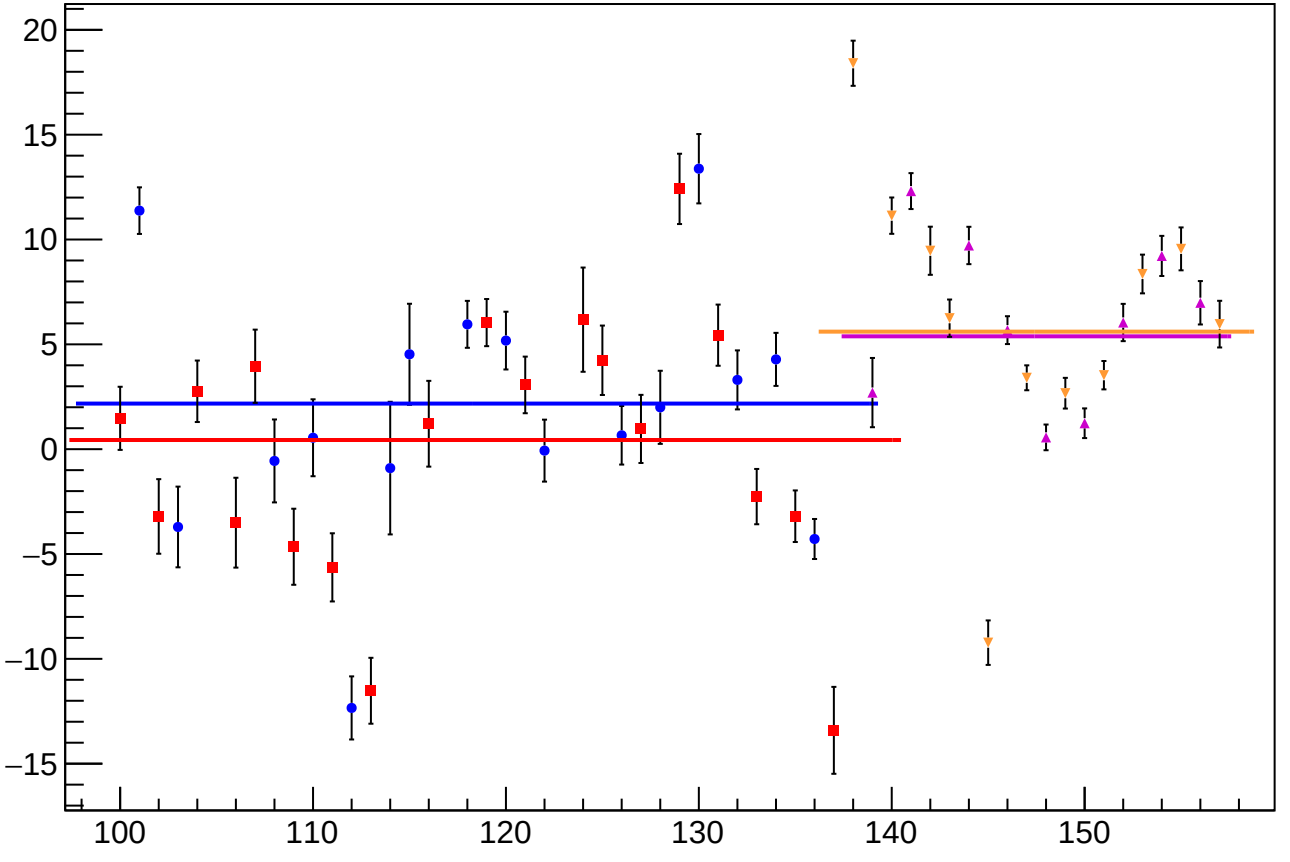
Left In: 68.561+/-0.332 χ^2/NDF:220.7/8

\+ sign 71.970+/-0.230 χ^2/NDF: 3334.6/26

All: 71.070+/-0.164 χ^2/NDF: 10535.0/54

\- sign 70.135+/-0.234 χ^2/NDF: 7169.1/27

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.606+/-0.259 χ^2/NDF:452.5/10

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

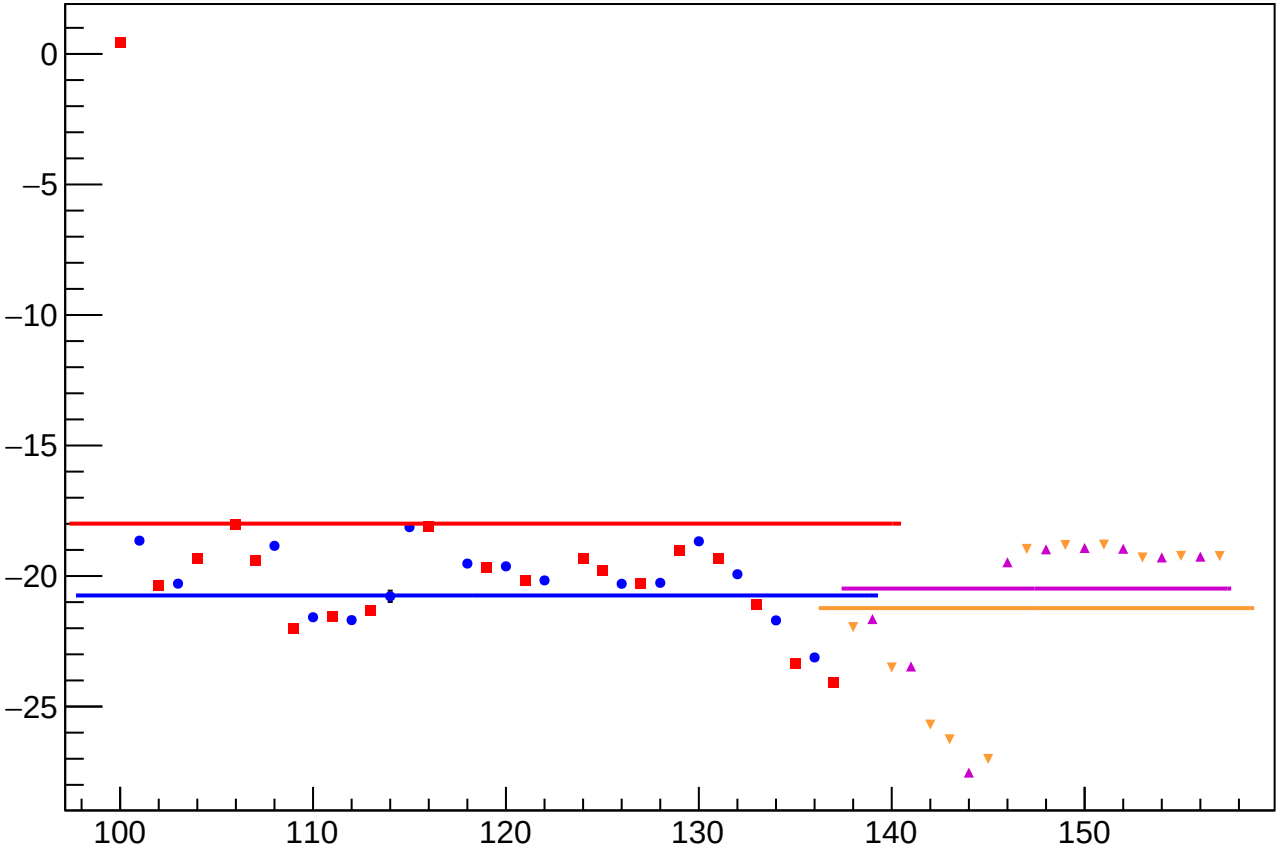
Left In: 5.383+/-0.275 χ^2/NDF:207.0/8

\+ sign 4.452+/-0.211 χ^2/NDF: 801.9/26

All: 4.028+/-0.152 χ^2/NDF: 1389.7/54

\- sign 3.571+/-0.219 χ^2/NDF: 579.4/27

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.229+/-0.012 χ^2/NDF:58037.5/10

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

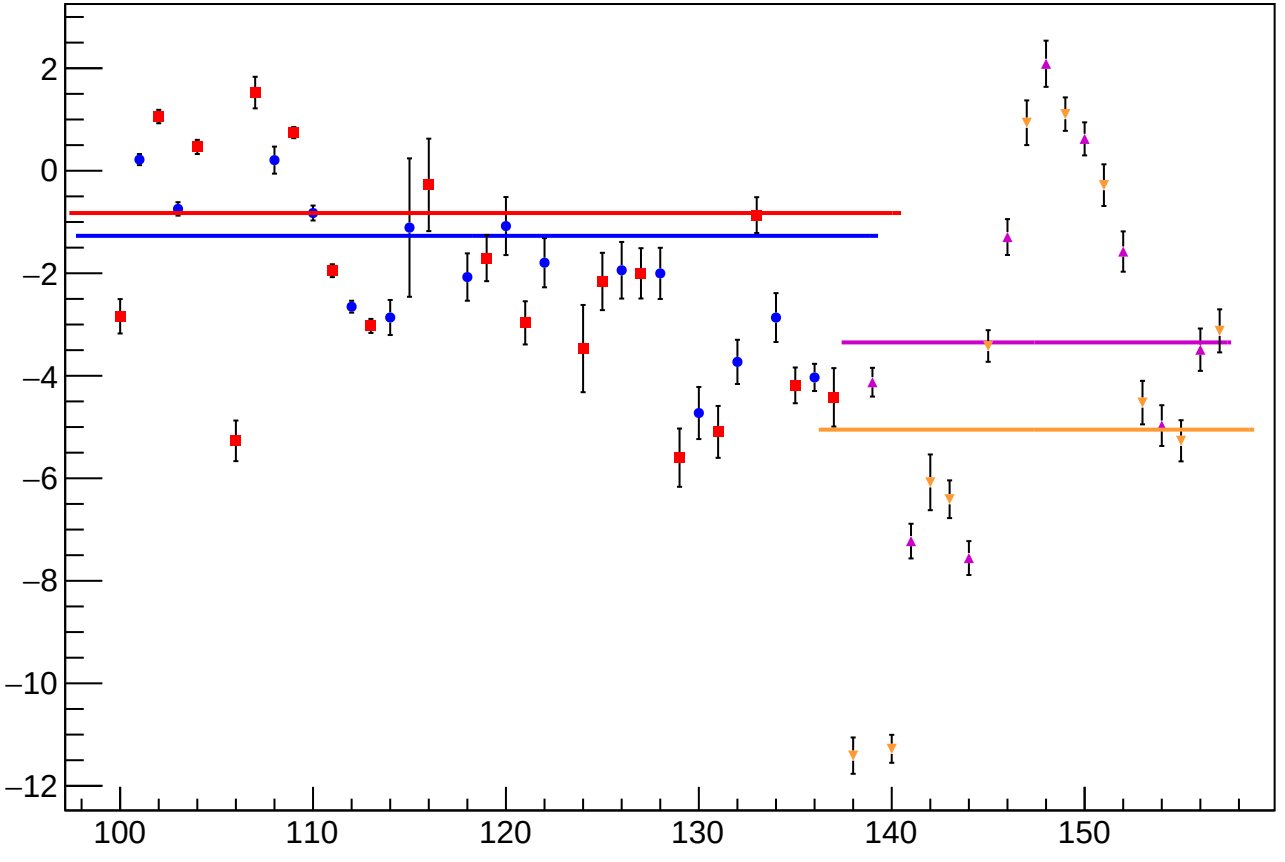
Left In: -20.480+/-0.013 χ^2/NDF:36299.8/8

+ sign -21.089+/-0.010 χ^2/NDF: 65992.1/26

All: -20.403+/-0.007 χ^2/NDF: 273519.7/54

- sign -19.698+/-0.011 χ^2/NDF: 198776.4/27

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.051+/-0.111 χ^2/NDF:1593.2/10

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

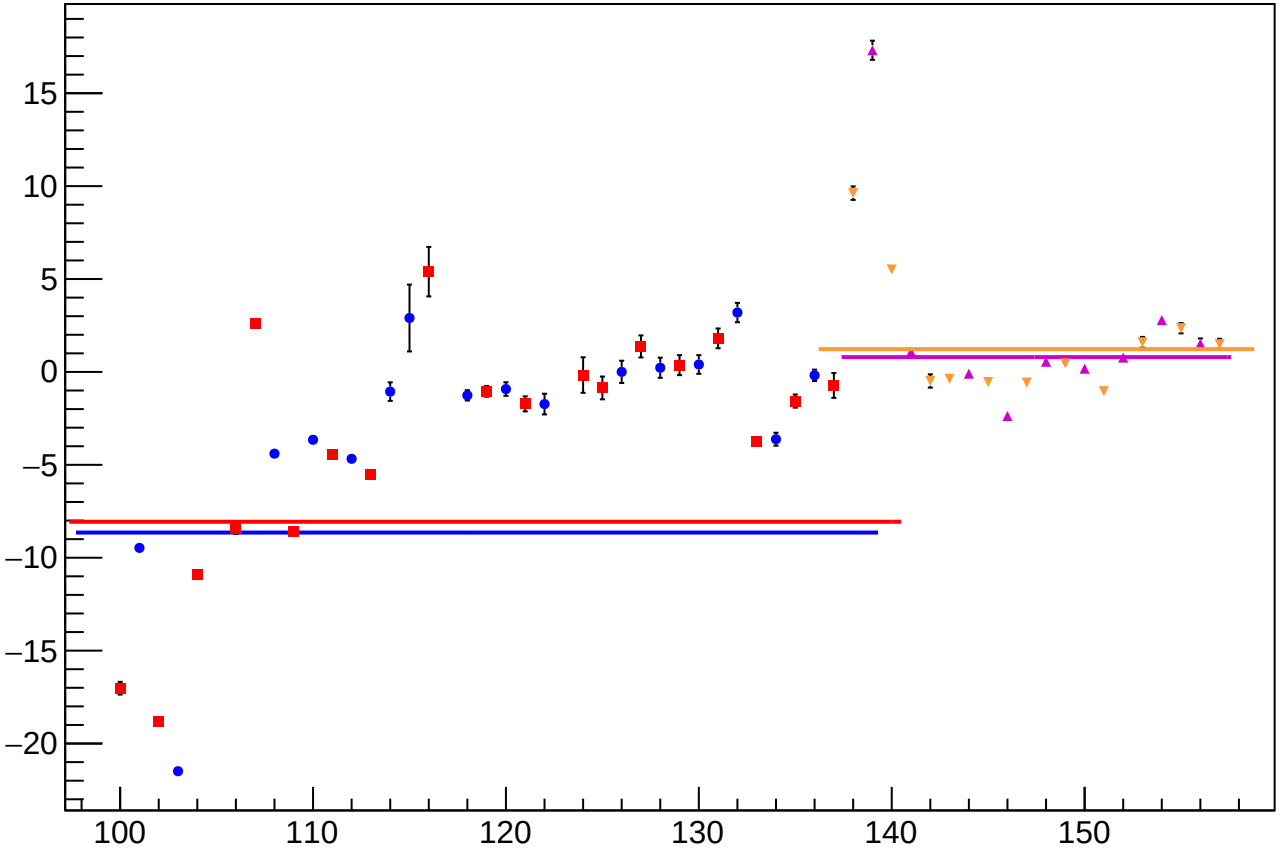
Left In: -3.349+/-0.118 χ^2/NDF:669.8/8

+ sign -2.002+/-0.049 χ^2/NDF: 3141.2/26

All: -1.595+/-0.034 χ^2/NDF: 5713.5/54

- sign -1.223+/-0.047 χ^2/NDF: 2440.1/27

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.226+/-0.078 χ^2/NDF:1196.3/10

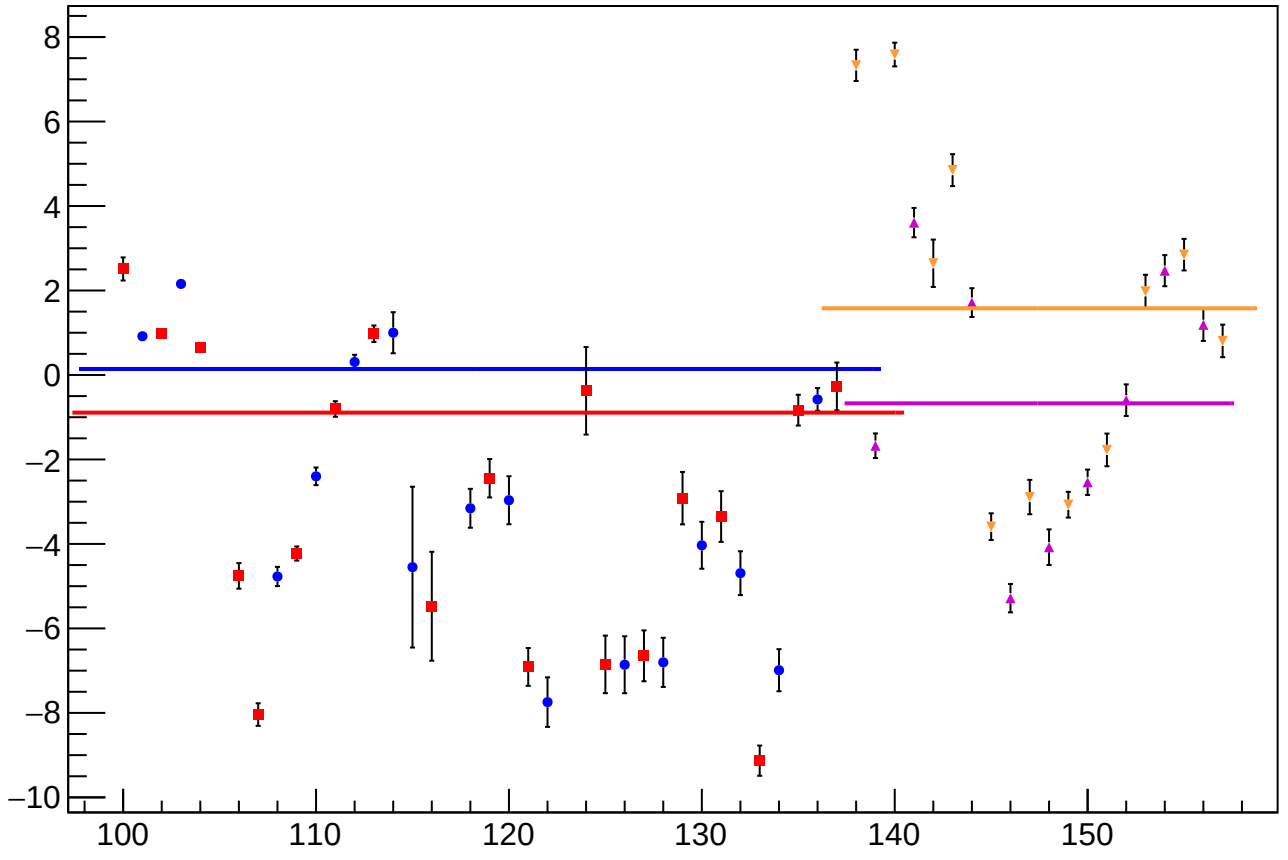
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.797+/-0.084 χ^2/NDF:1335.8/8

+ sign -5.192+/-0.046 χ^2/NDF: 25536.6/26

All: -5.213+/-0.033 χ^2/NDF: 48876.0/54

- sign -5.236+/-0.047 χ^2/NDF: 23339.0/27



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.578+/-0.109 χ^2/NDF:1490.2/10

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

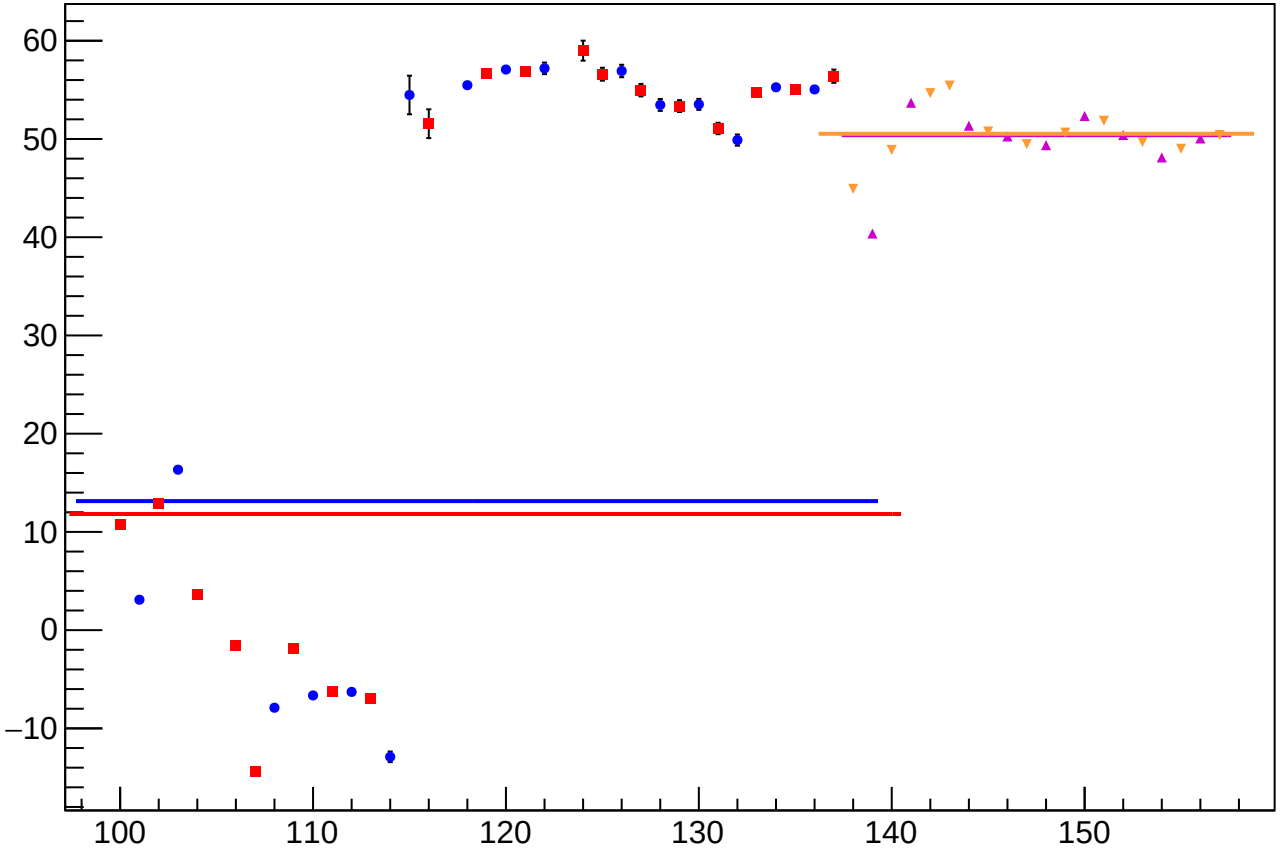
Left In: -0.672+/-0.115 χ^2/NDF:601.1/8

+ sign 0.415+/-0.048 χ^2/NDF: 3590.4/26

All: -0.205+/-0.034 χ^2/NDF: 7527.0/54

- sign -0.852+/-0.049 χ^2/NDF: 3589.8/27

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.529+/-0.093 χ^2/NDF:623.1/10

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

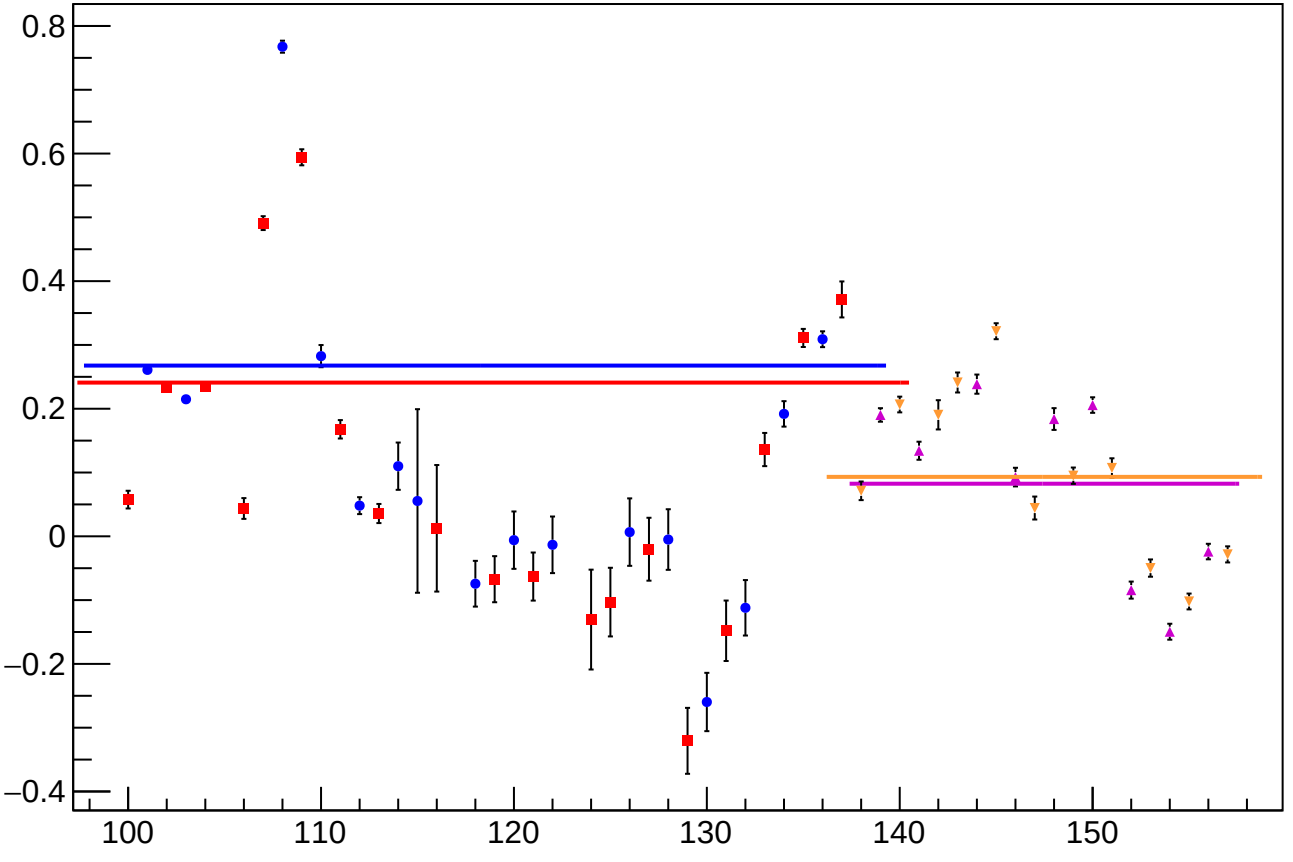
Left In: 50.386+/-0.100 χ^2/NDF:672.9/8

\+ sign 26.106+/-0.055 χ^2/NDF: 214259.2/26

All: 25.059+/-0.039 χ^2/NDF: 435560.6/54

\- sign 23.964+/-0.056 χ^2/NDF: 220557.5/27

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.093+/-0.004 χ^2/NDF:987.7/10

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

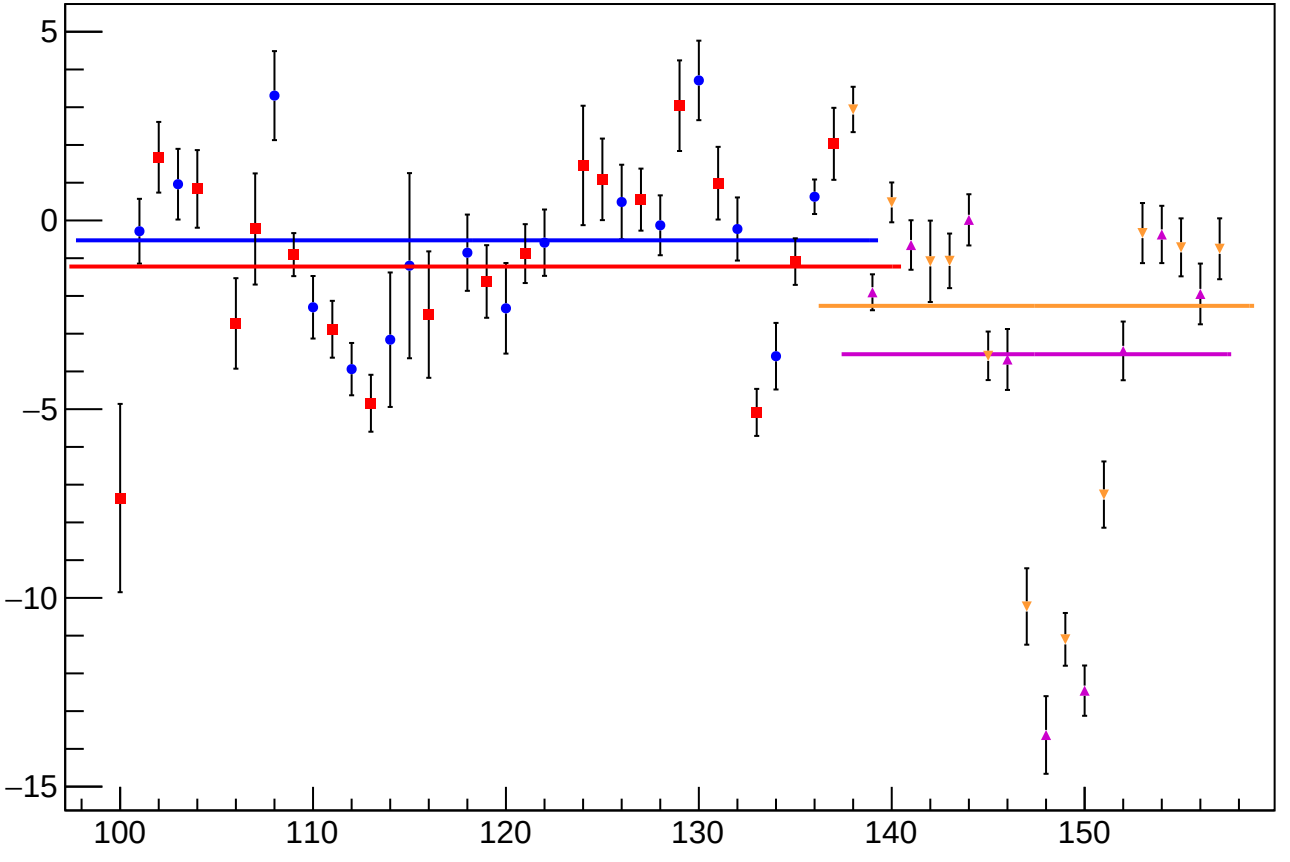
Left In: 0.082+/-0.004 χ^2/NDF:940.0/8

+ sign 0.215+/-0.002 χ^2/NDF: 5885.7/26

All: 0.206+/-0.002 χ^2/NDF: 10134.8/54

- sign 0.196+/-0.002 χ^2/NDF: 4217.1/27

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.262+/-0.220 χ^2/NDF:377.8/10

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

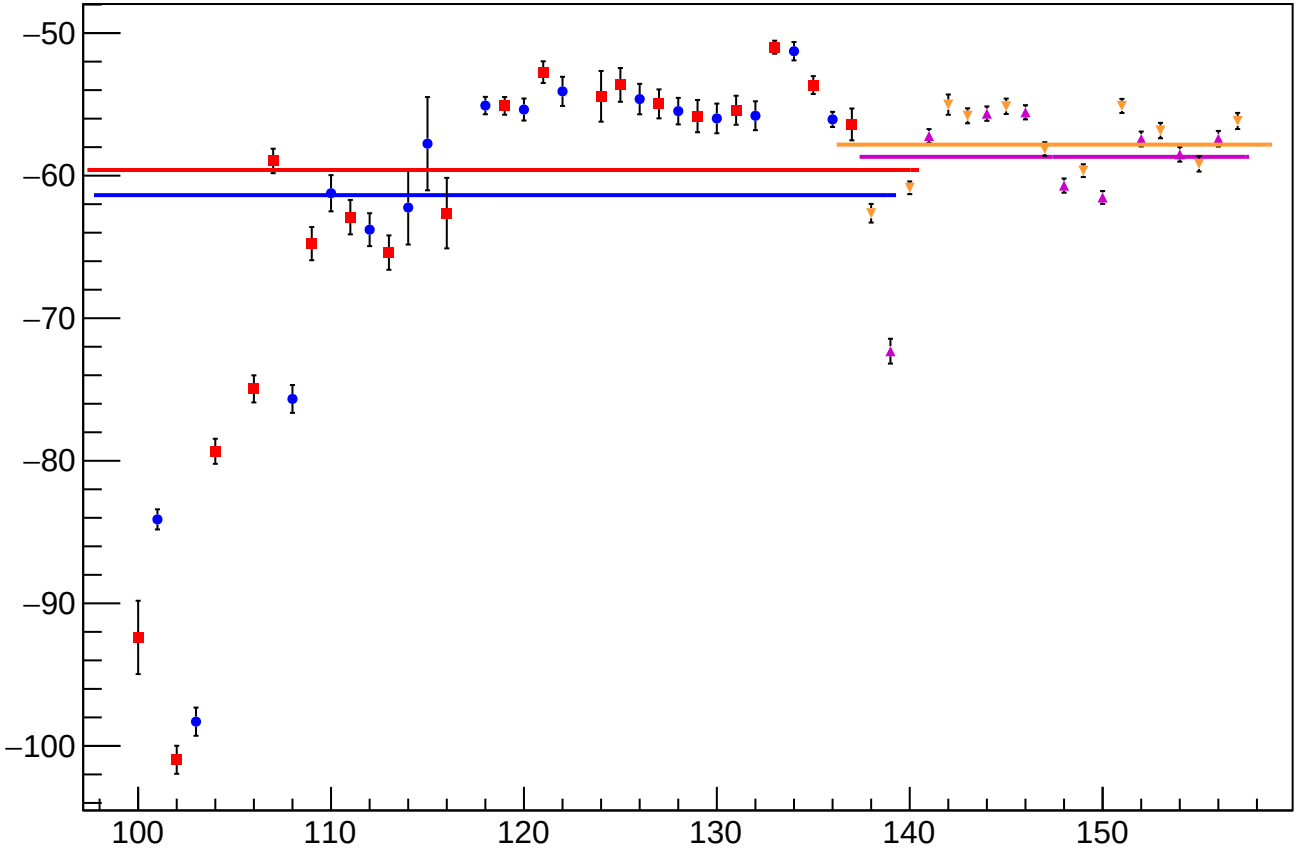
Left In: -3.544+/-0.232 χ^2/NDF:355.5/8

+ sign -1.383+/-0.154 χ^2/NDF: 492.1/26

All: -1.813+/-0.109 χ^2/NDF: 1050.2/54

- sign -2.237+/-0.153 χ^2/NDF: 542.8/27

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.822+/-0.158 χ^2/NDF:220.2/10

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

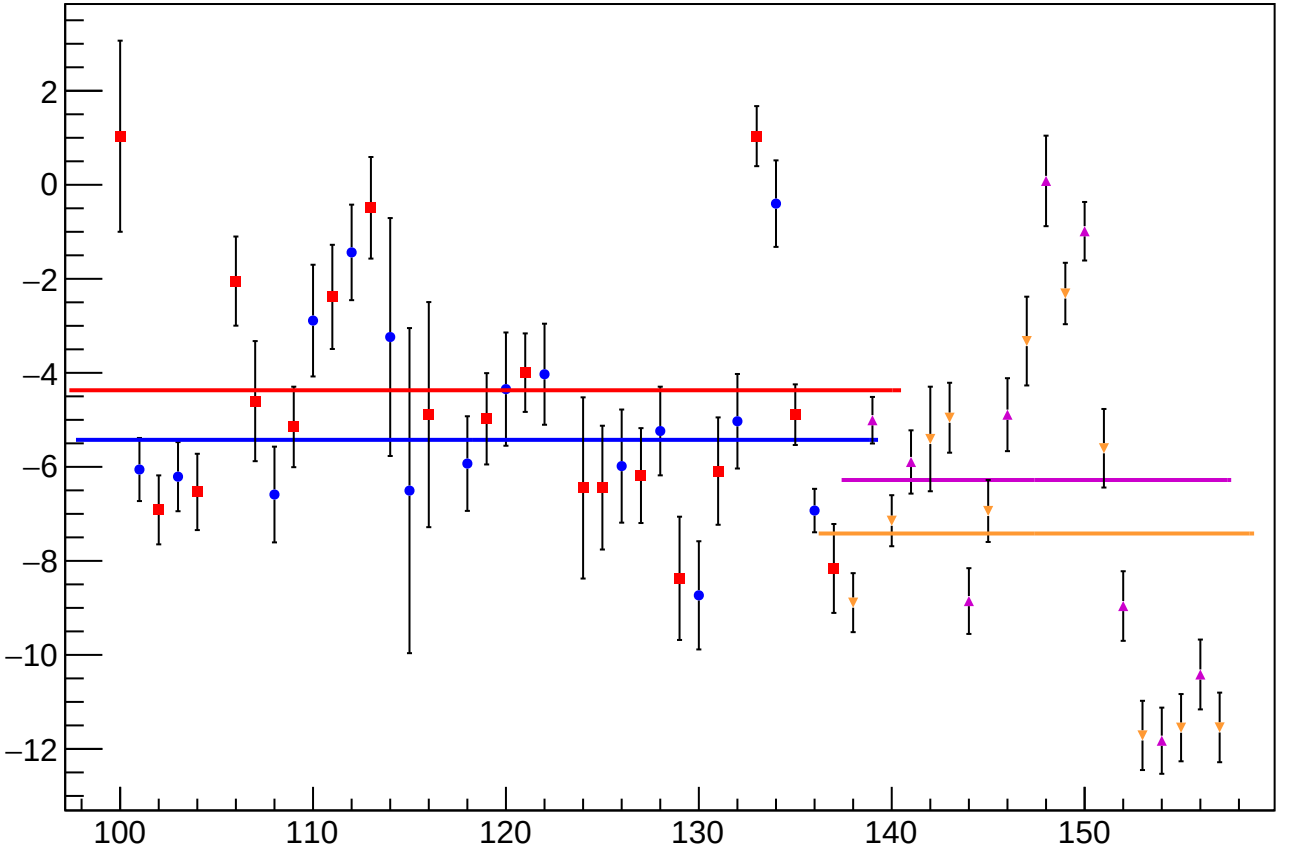
Left In: -58.680+/-0.174 χ^2/NDF:396.6/8

\+ sign -59.040+/-0.128 χ^2/NDF: 3743.4/26

All: -59.050+/-0.092 χ^2/NDF: 7572.9/54

\- sign -59.061+/-0.133 χ^2/NDF: 3829.5/27

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.418+/-0.216 χ^2/NDF:203.5/10

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

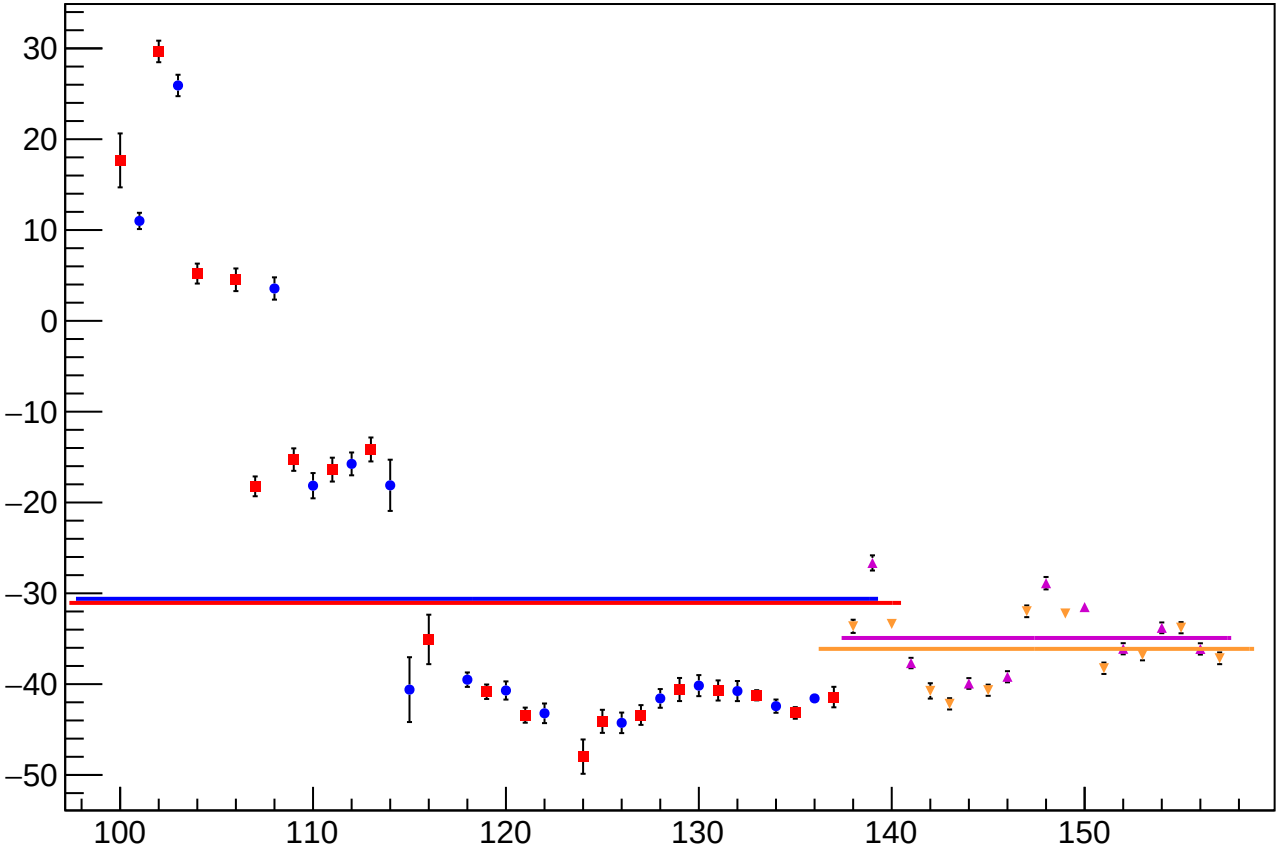
Left In: -6.279+/-0.228 χ^2/NDF:245.8/8

\+ sign -6.482+/-0.158 χ^2/NDF: 319.3/26

All: -5.899+/-0.112 χ^2/NDF: 785.4/54

\- sign -5.303+/-0.159 χ^2/NDF: 438.4/27

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.117+/-0.189 χ^2/NDF:340.6/10

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

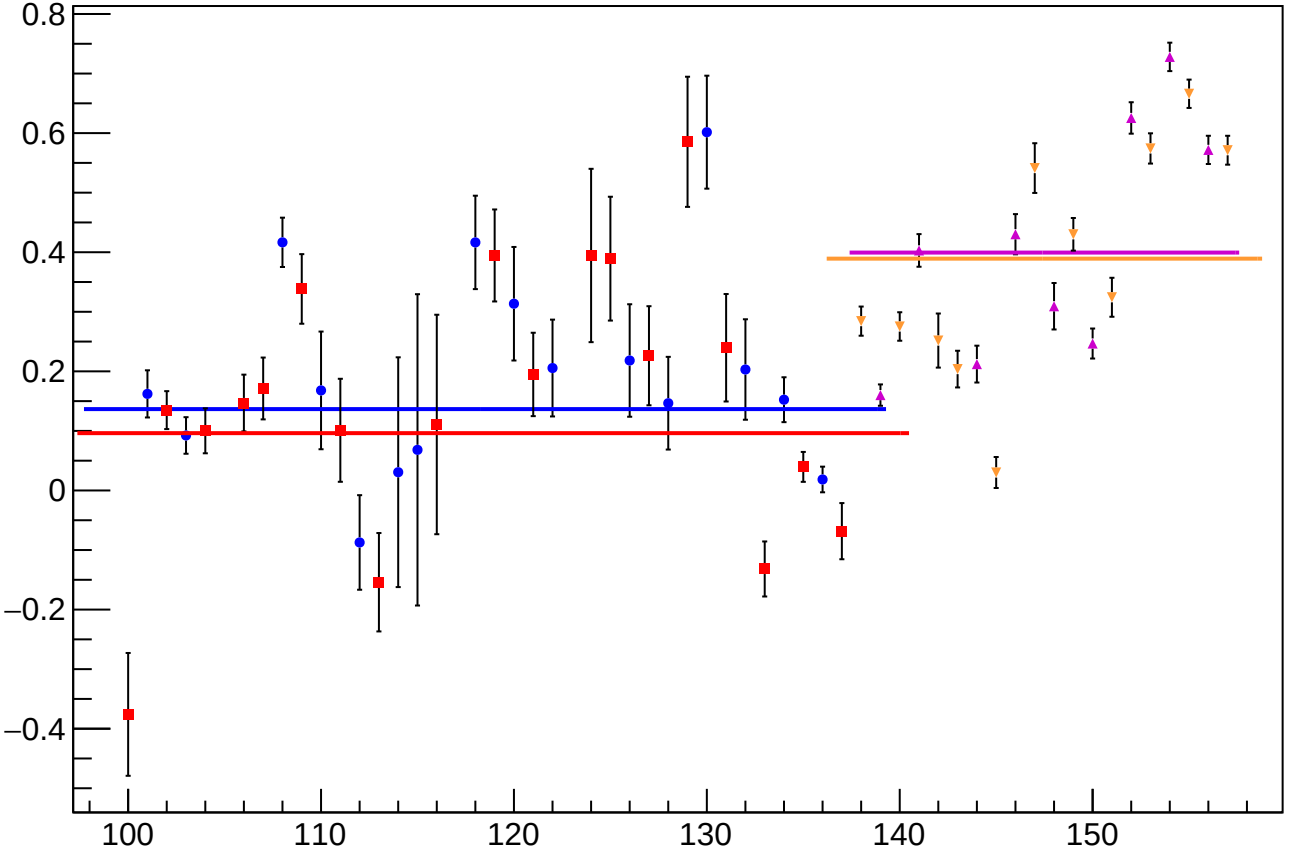
Left In: -34.918+/-0.204 χ^2/NDF:372.9/8

\+ sign -34.112+/-0.150 χ^2/NDF: 7589.4/26

All: -33.706+/-0.108 χ^2/NDF: 15105.3/54

\- sign -33.276+/-0.155 χ^2/NDF: 7500.9/27

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.389+/-0.008 χ^2/NDF:541.3/10

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

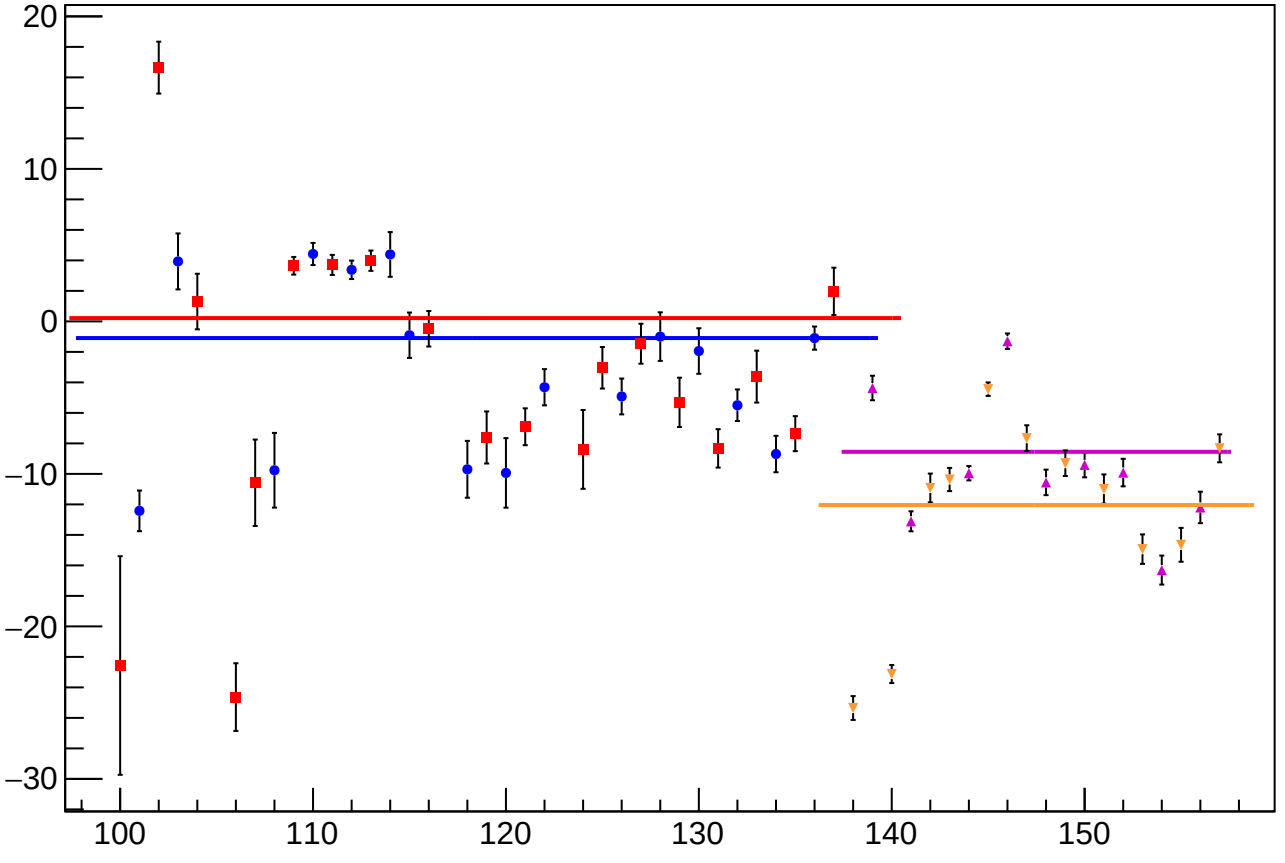
Left In: 0.399+/-0.009 χ^2/NDF:573.5/8

+ sign 0.311+/-0.007 χ^2/NDF: 952.5/26

All: 0.306+/-0.005 χ^2/NDF: 2081.5/54

- sign 0.301+/-0.007 χ^2/NDF: 1127.8/27

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.042+/-0.227 χ^2/NDF:1012.2/10

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

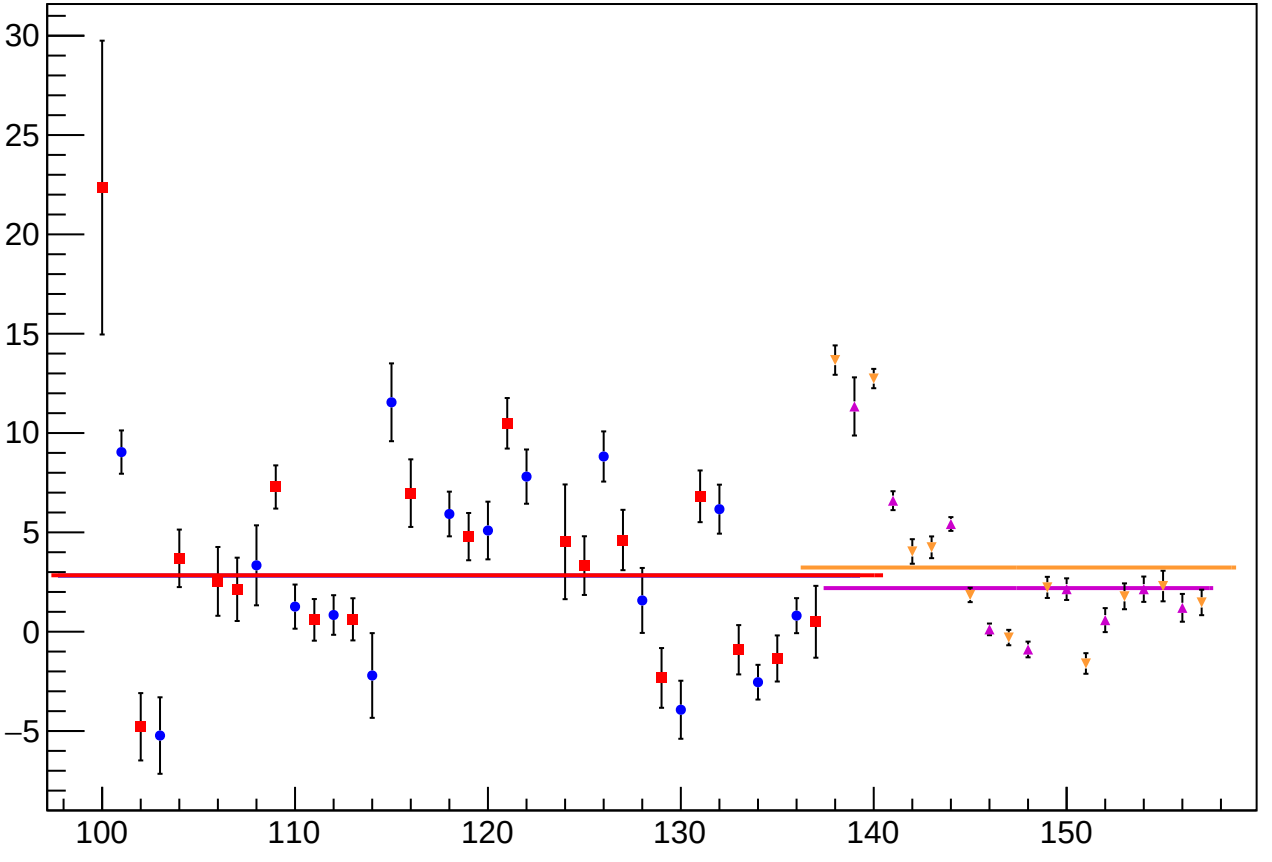
Left In: -8.552+/-0.233 χ^2/NDF:377.3/8

+ sign -7.714+/-0.176 χ^2/NDF: 2265.3/26

All: -6.224+/-0.124 χ^2/NDF: 3920.3/54

- sign -4.754+/-0.175 χ^2/NDF: 1513.1/27

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.230+/-0.158 χ^2/NDF:788.2/10

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

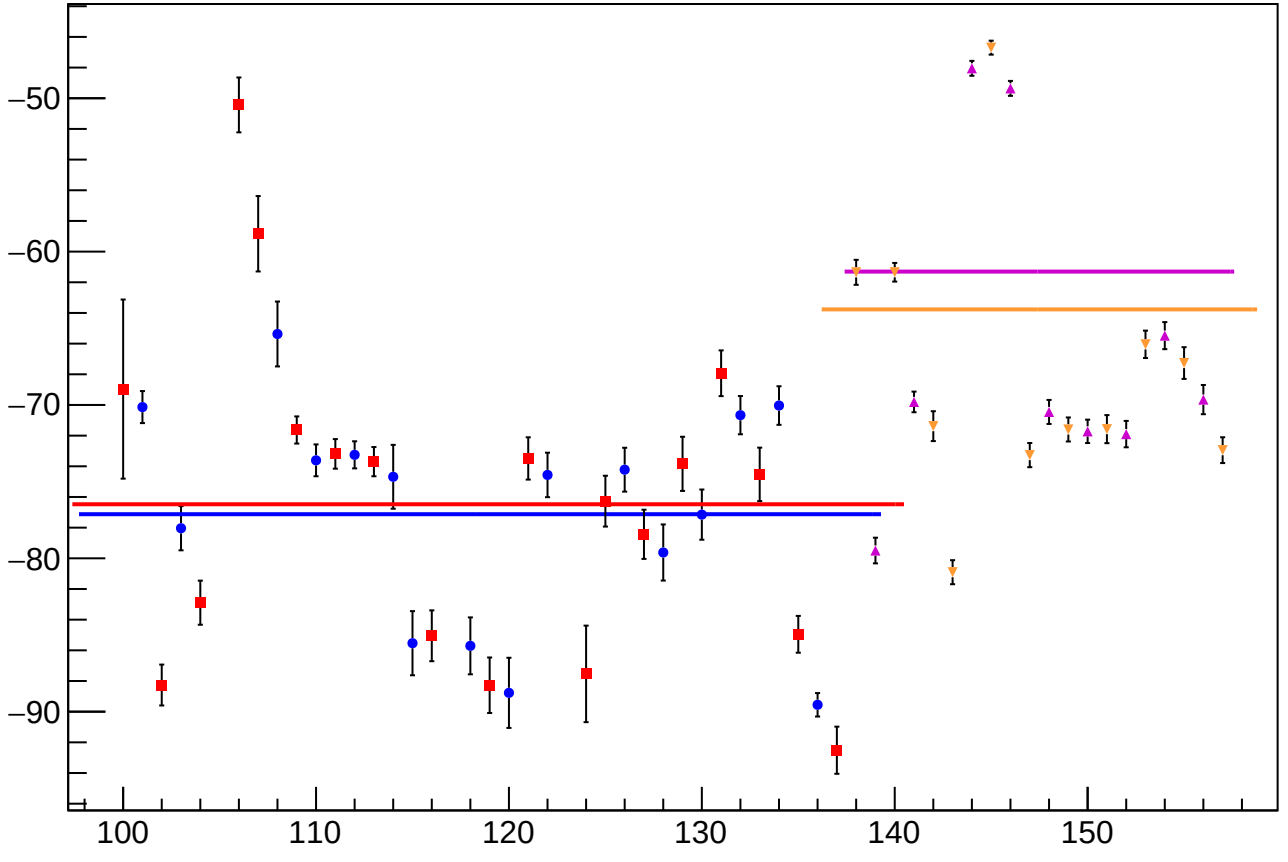
Left In: 2.194+/-0.155 χ^2/NDF:331.1/8

+ sign 3.148+/-0.141 χ^2/NDF: 989.1/26

All: 2.727+/-0.099 χ^2/NDF: 1486.1/54

- sign 2.315+/-0.140 χ^2/NDF: 479.3/27

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.769+/-0.225 χ^2/NDF:2422.7/10

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

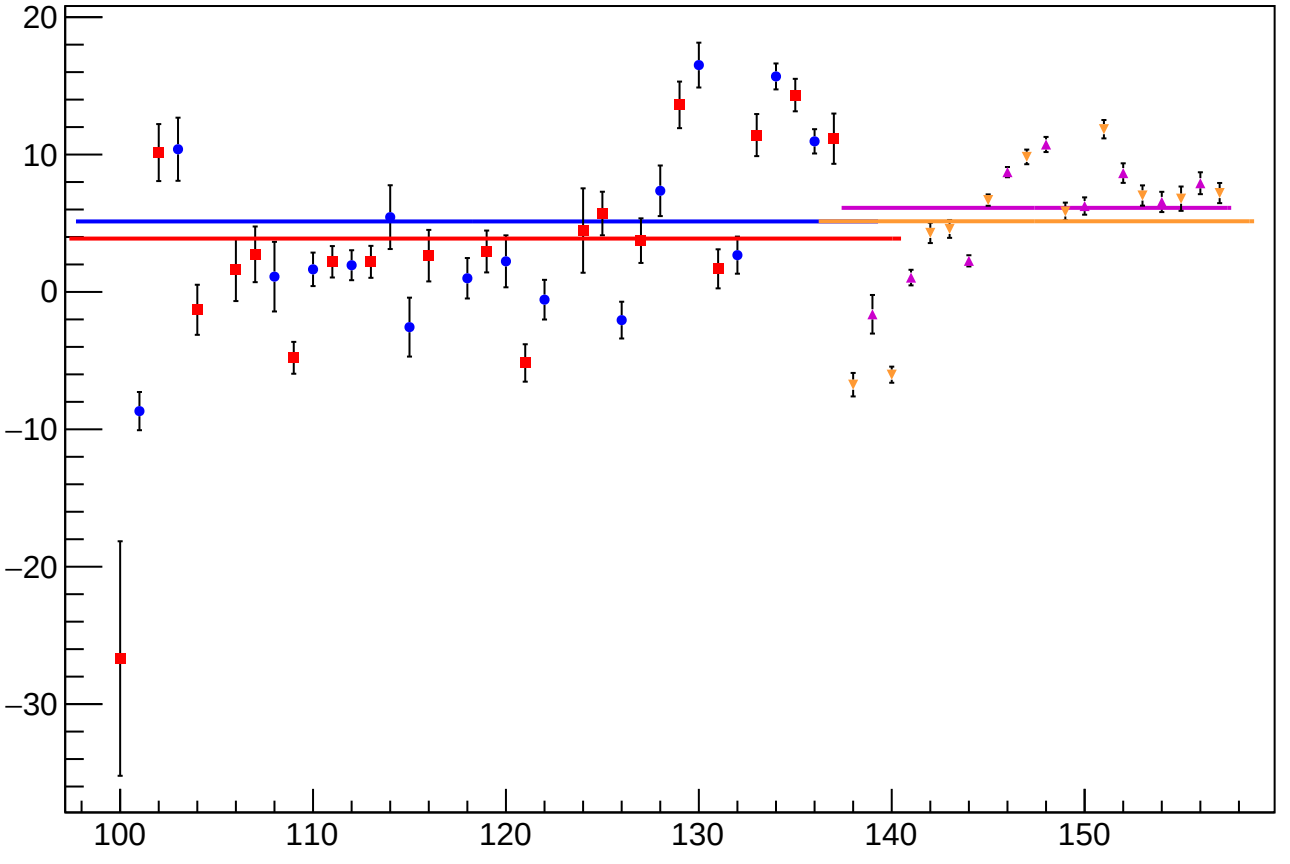
Left In: -61.303+/-0.228 χ^2/NDF:2551.4/8

+ sign -68.074+/-0.185 χ^2/NDF: 4061.1/26

All: -67.172+/-0.132 χ^2/NDF: 8794.4/54

- sign -66.247+/-0.188 χ^2/NDF: 4685.2/27

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 5.144+/-0.191 χ^2/NDF:768.7/10

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

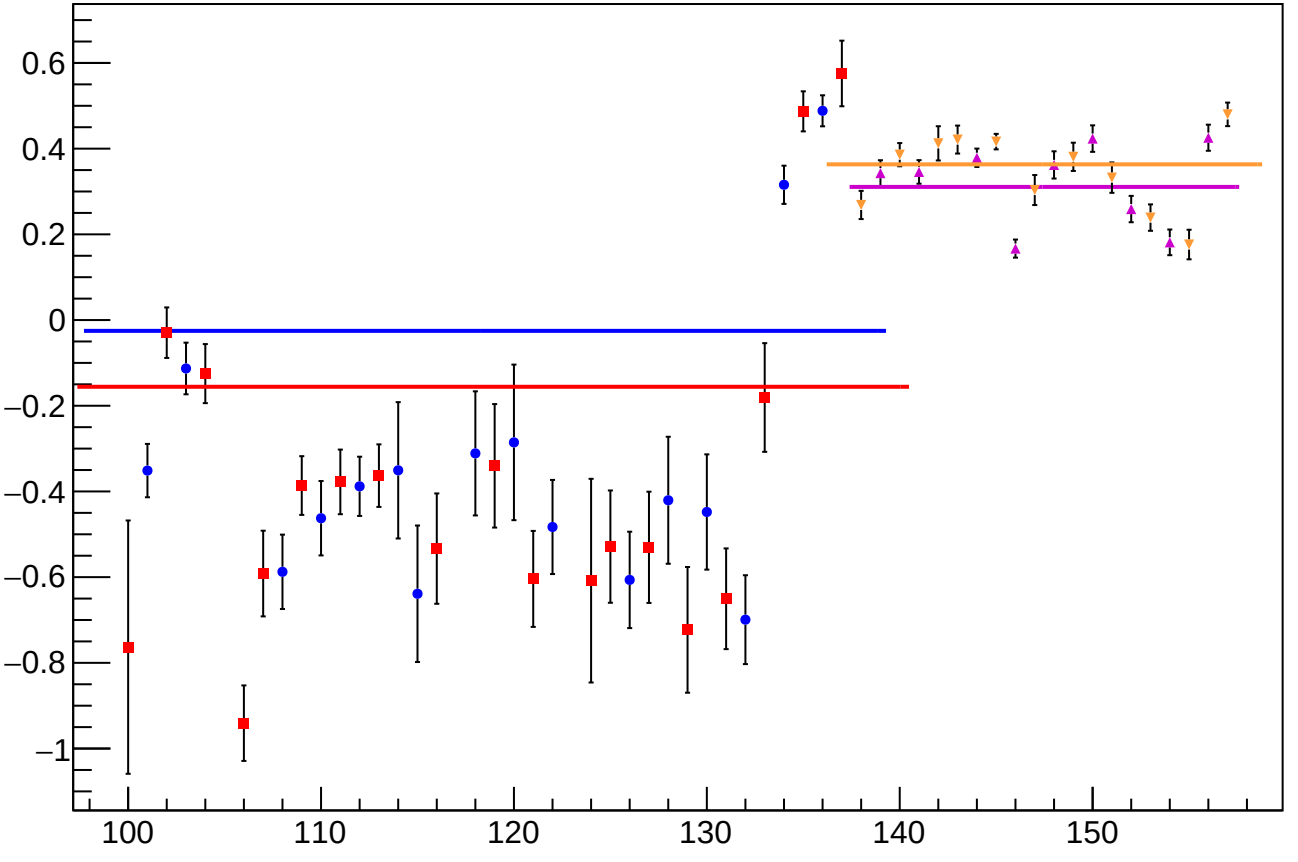
Left In: 6.120+/-0.189 χ^2/NDF:337.1/8

+ sign 5.141+/-0.167 χ^2/NDF: 1181.0/26

All: 5.392+/-0.118 χ^2/NDF: 1844.1/54

- sign 5.641+/-0.167 χ^2/NDF: 658.6/27

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.363+/-0.009 χ^2/NDF:89.9/10

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

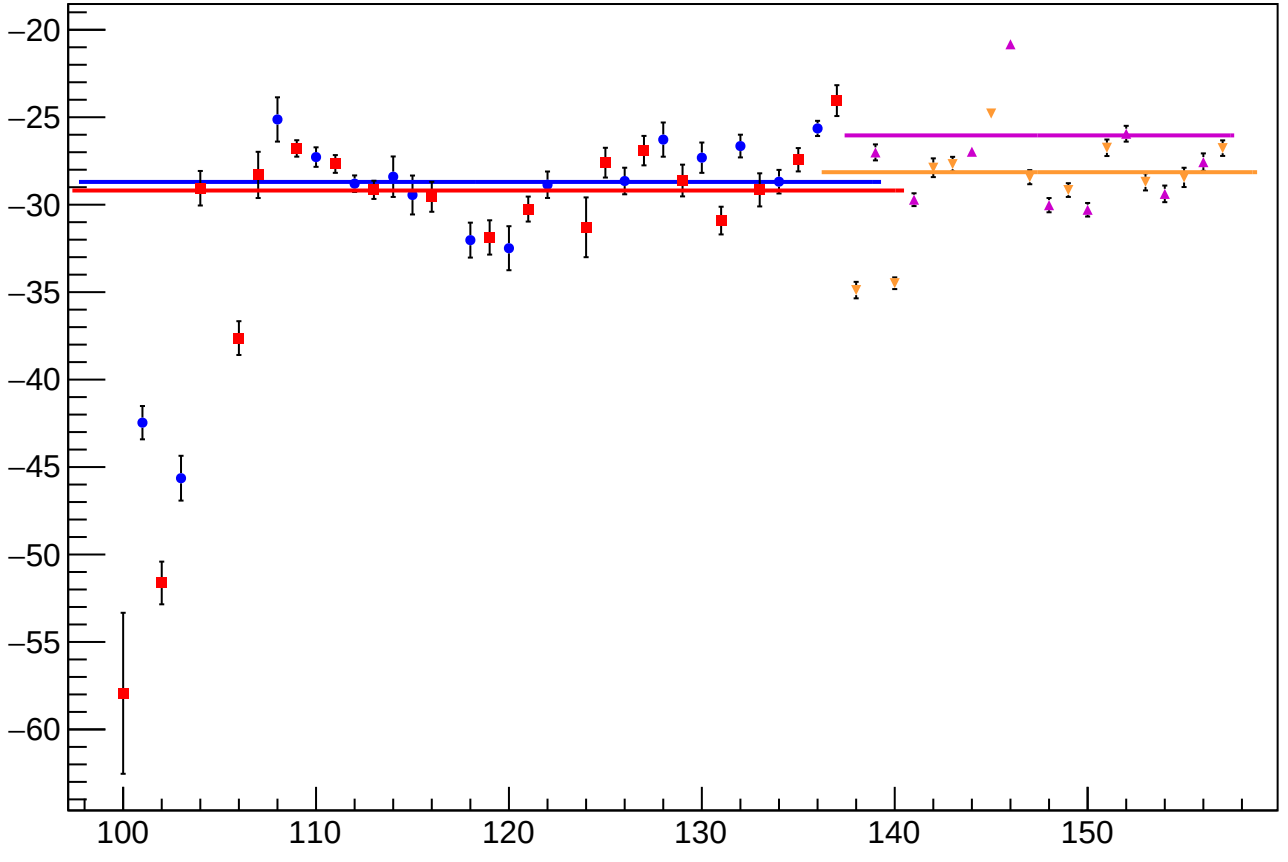
Left In: 0.311+/-0.009 χ^2/NDF:110.9/8

+ sign 0.293+/-0.008 χ^2/NDF: 947.2/26

All: 0.264+/-0.006 χ^2/NDF: 2024.0/54

- sign 0.232+/-0.008 χ^2/NDF: 1049.0/27

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.142+/-0.114 χ^2/NDF:866.9/10

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

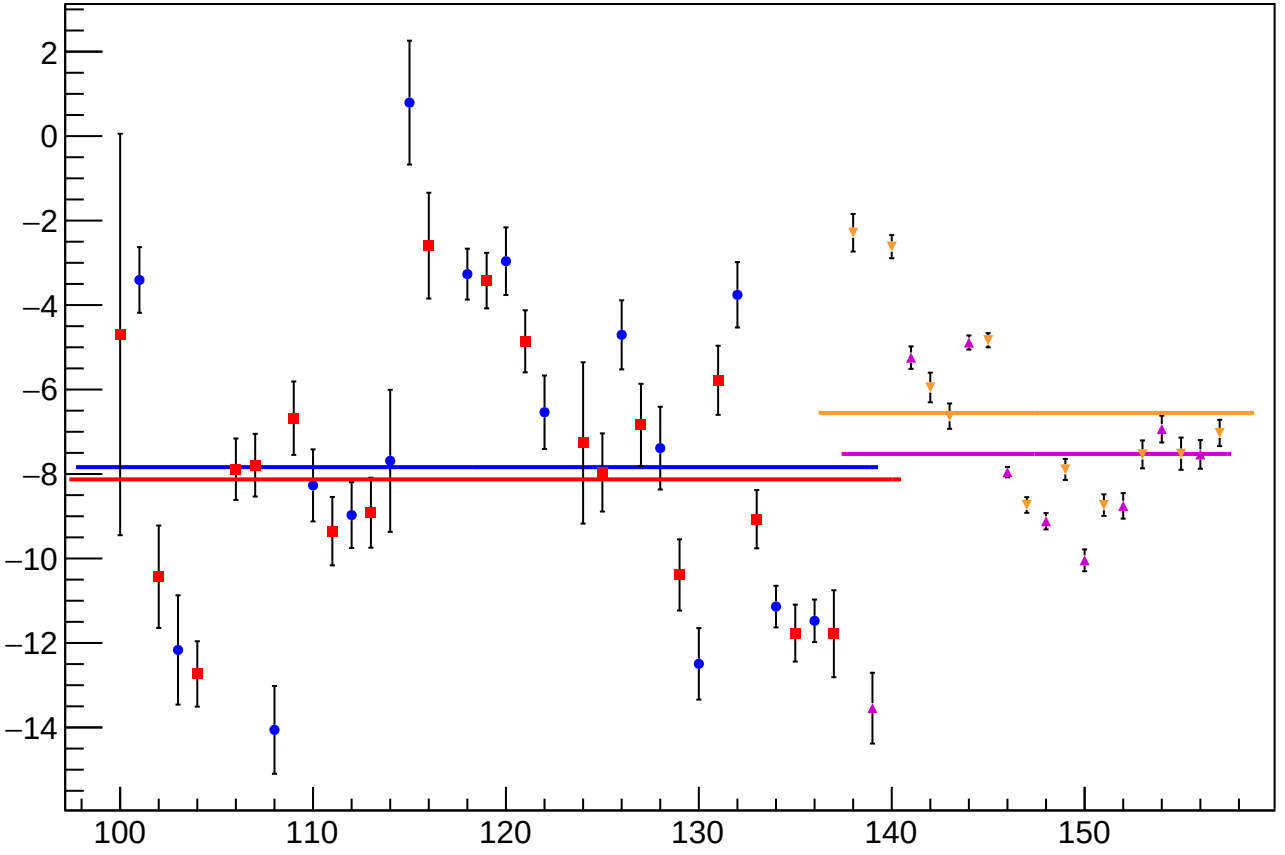
Left In: -26.038+/-0.111 χ^2/NDF:1035.4/8

+ sign -28.294+/-0.097 χ^2/NDF: 1360.7/26

All: -27.578+/-0.068 χ^2/NDF: 3278.6/54

- sign -26.899+/-0.095 χ^2/NDF: 1812.4/27

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.553+/-0.079 χ^2/NDF:662.7/10

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

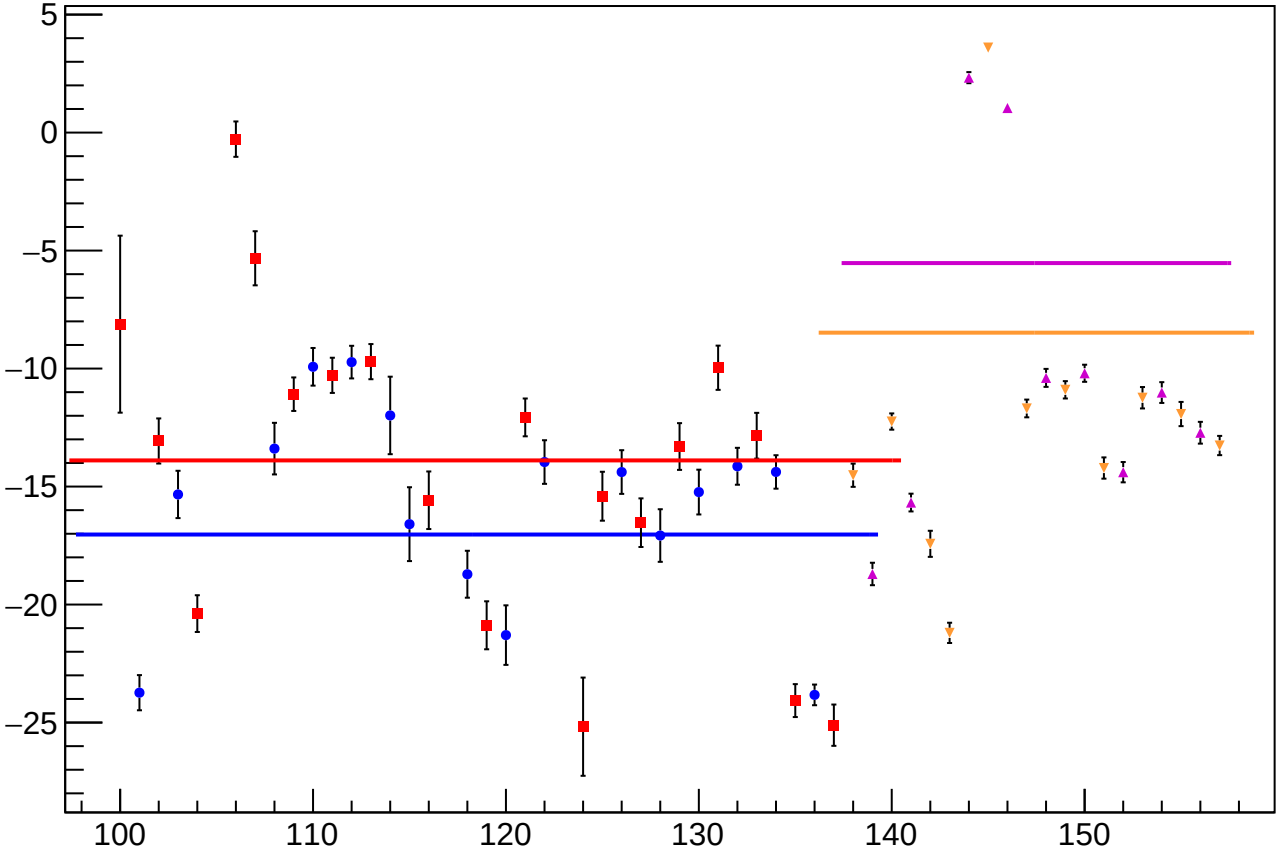
Left In: -7.525+/-0.073 χ^2/NDF:566.4/8

+ sign -6.734+/-0.073 χ^2/NDF: 1083.2/26

All: -7.196+/-0.050 χ^2/NDF: 1929.5/54

- sign -7.597+/-0.068 χ^2/NDF: 771.9/27

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.478+/-0.113 χ^2/NDF:5282.1/10

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

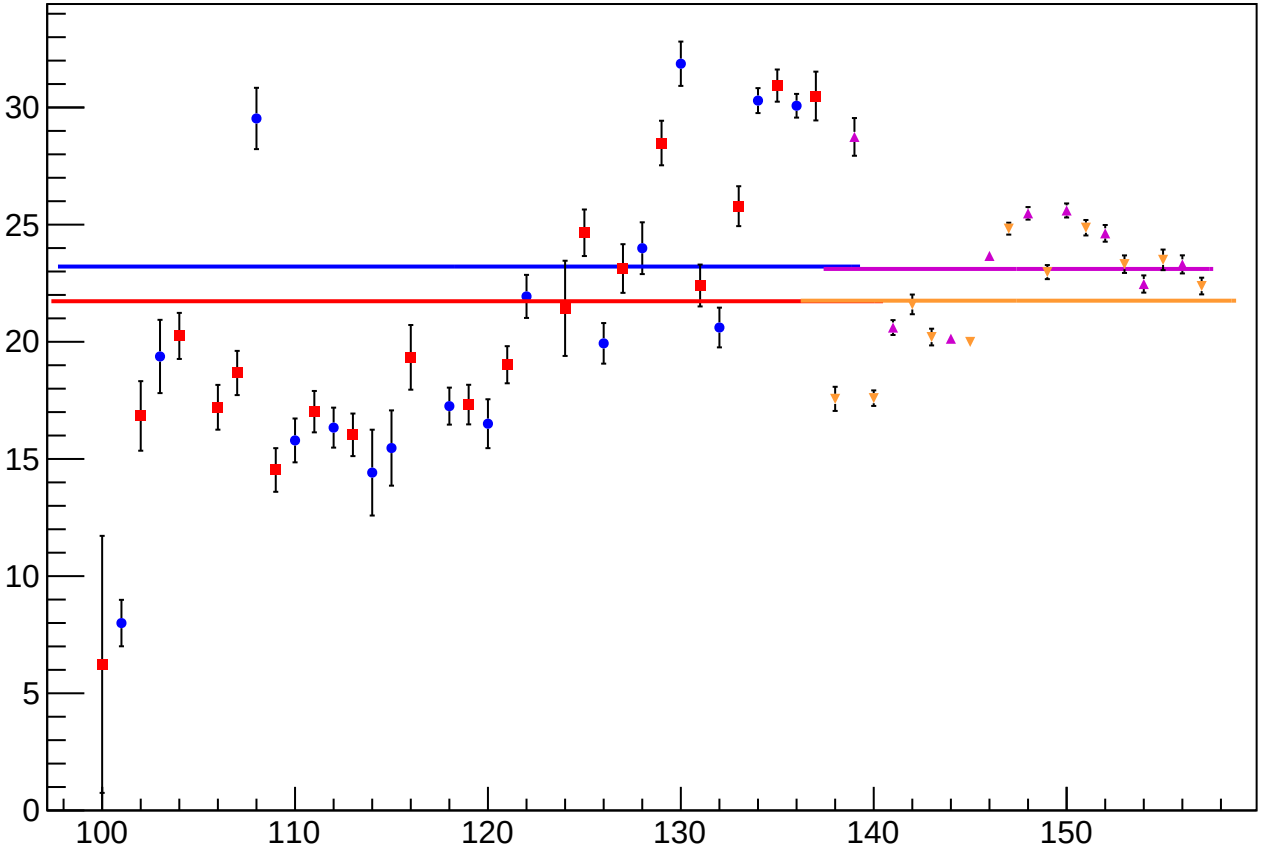
Left In: -5.530+/-0.109 χ^2/NDF:4855.3/8

+ sign -10.405+/-0.099 χ^2/NDF: 7176.6/26

All: -8.809+/-0.069 χ^2/NDF: 14807.4/54

- sign -7.305+/-0.096 χ^2/NDF: 7129.7/27

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.755+/-0.096 χ^2/NDF:614.9/10

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

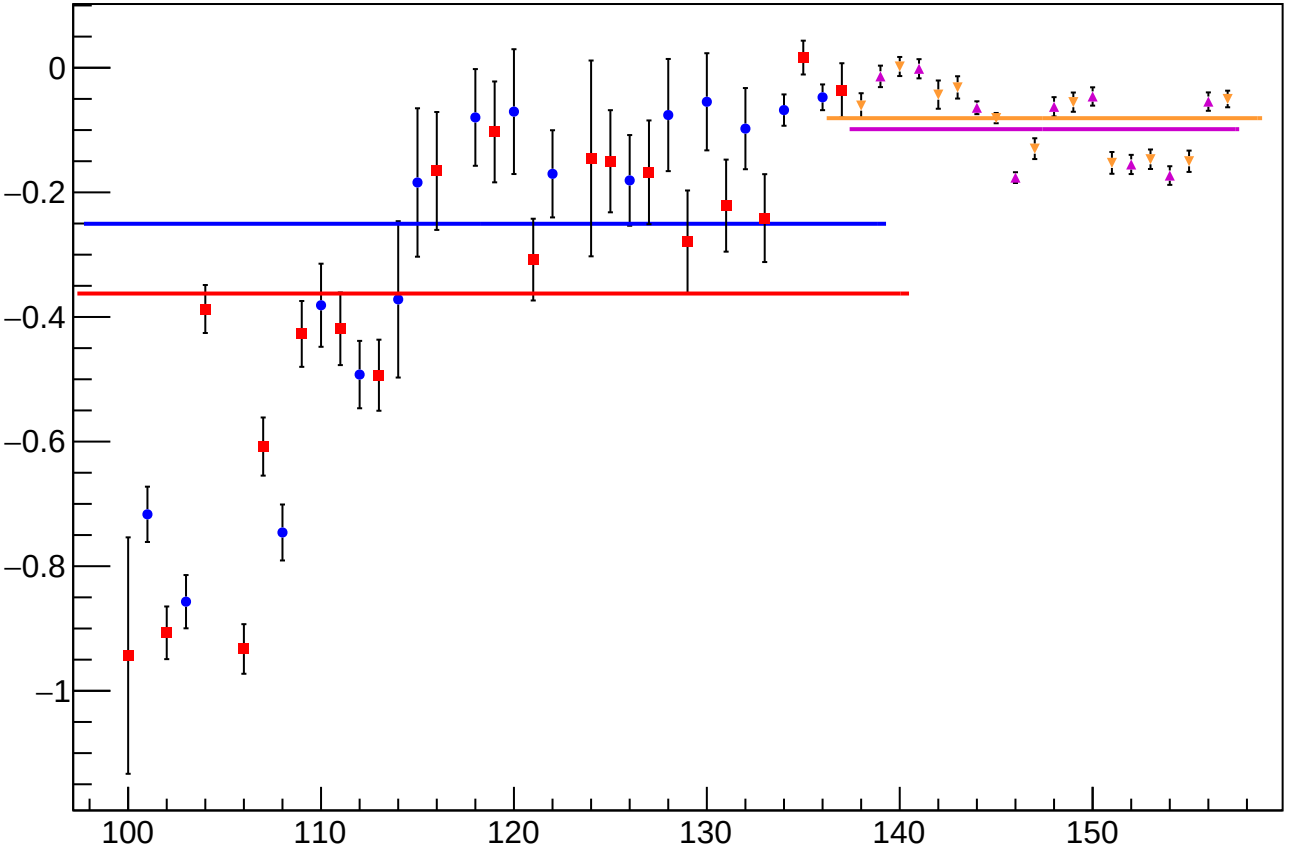
Left In: 23.109+/-0.089 χ^2/NDF:521.3/8

+ sign 21.989+/-0.088 χ^2/NDF: 1660.6/26

All: 22.482+/-0.060 χ^2/NDF: 2832.8/54

- sign 22.922+/-0.083 χ^2/NDF: 1112.2/27

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.081+/-0.004 χ^2/NDF:108.4/10

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

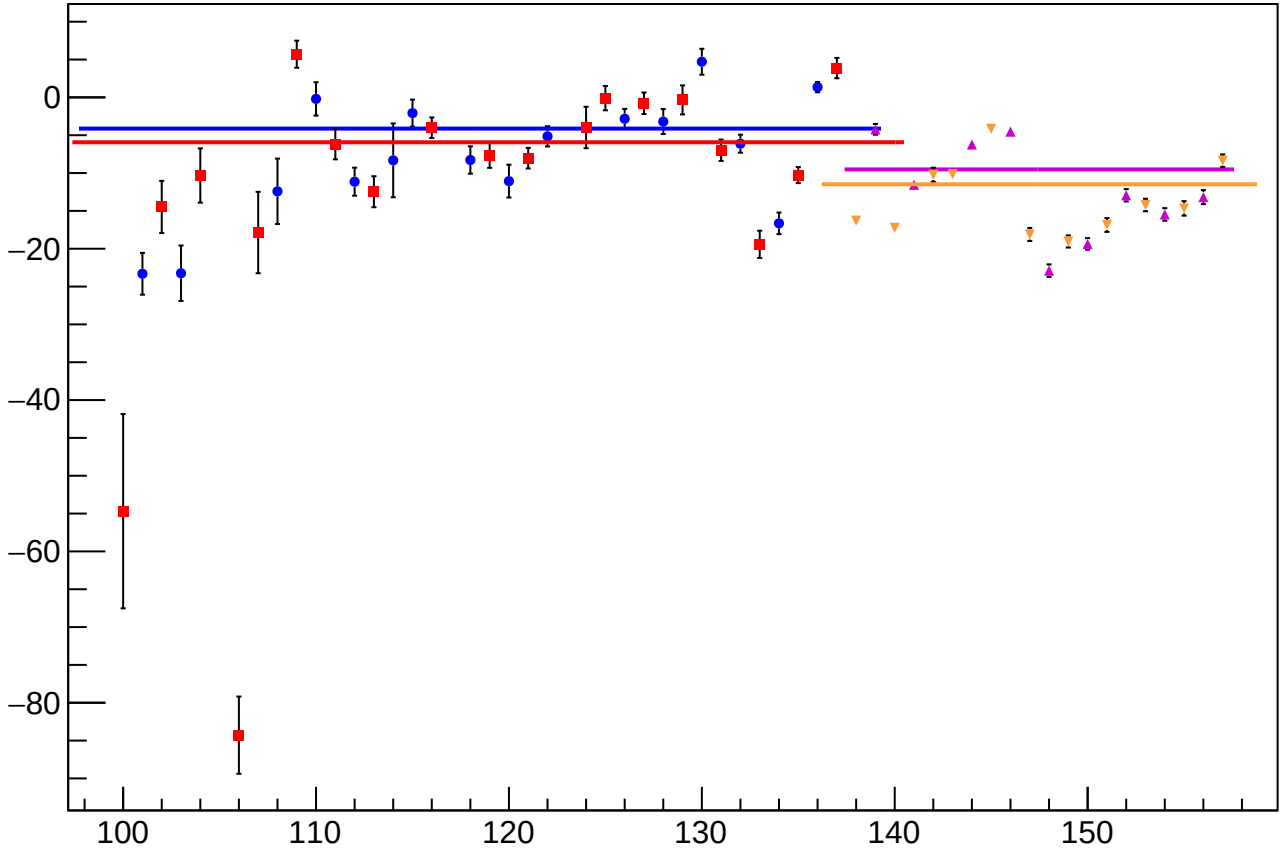
Left In: -0.099+/-0.004 χ^2/NDF:221.4/8

+ sign -0.102+/-0.004 χ^2/NDF: 926.5/26

All: -0.115+/-0.003 χ^2/NDF: 2277.0/54

- sign -0.128+/-0.004 χ^2/NDF: 1331.4/27

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.488+/-0.202 χ^2/NDF:784.4/10

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

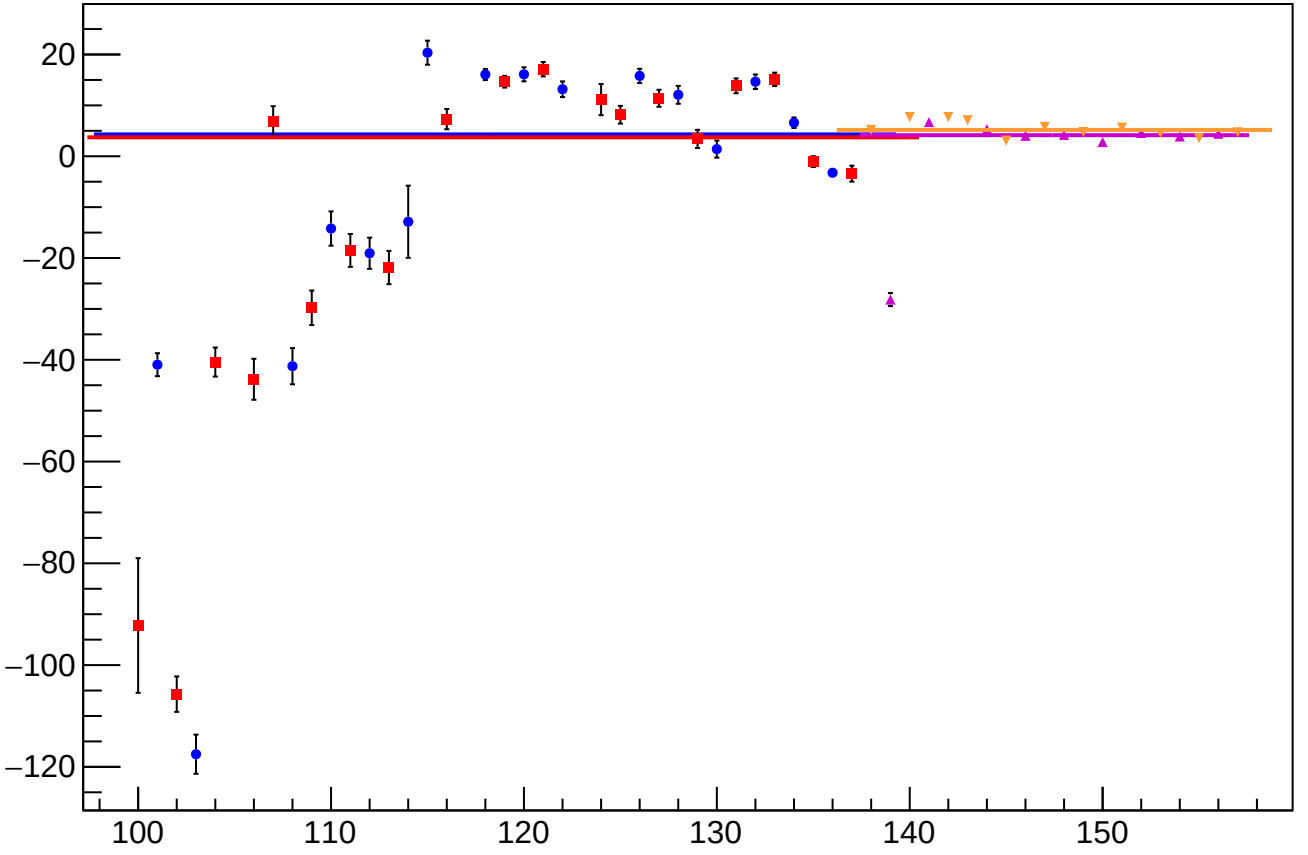
Left In: -9.518+/-0.206 χ^2/NDF:790.0/8

+ sign -9.873+/-0.179 χ^2/NDF: 1362.8/26

All: -9.346+/-0.128 χ^2/NDF: 2715.0/54

- sign -8.789+/-0.184 χ^2/NDF: 1334.3/27

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.178+/-0.144 χ^2/NDF:124.9/10

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

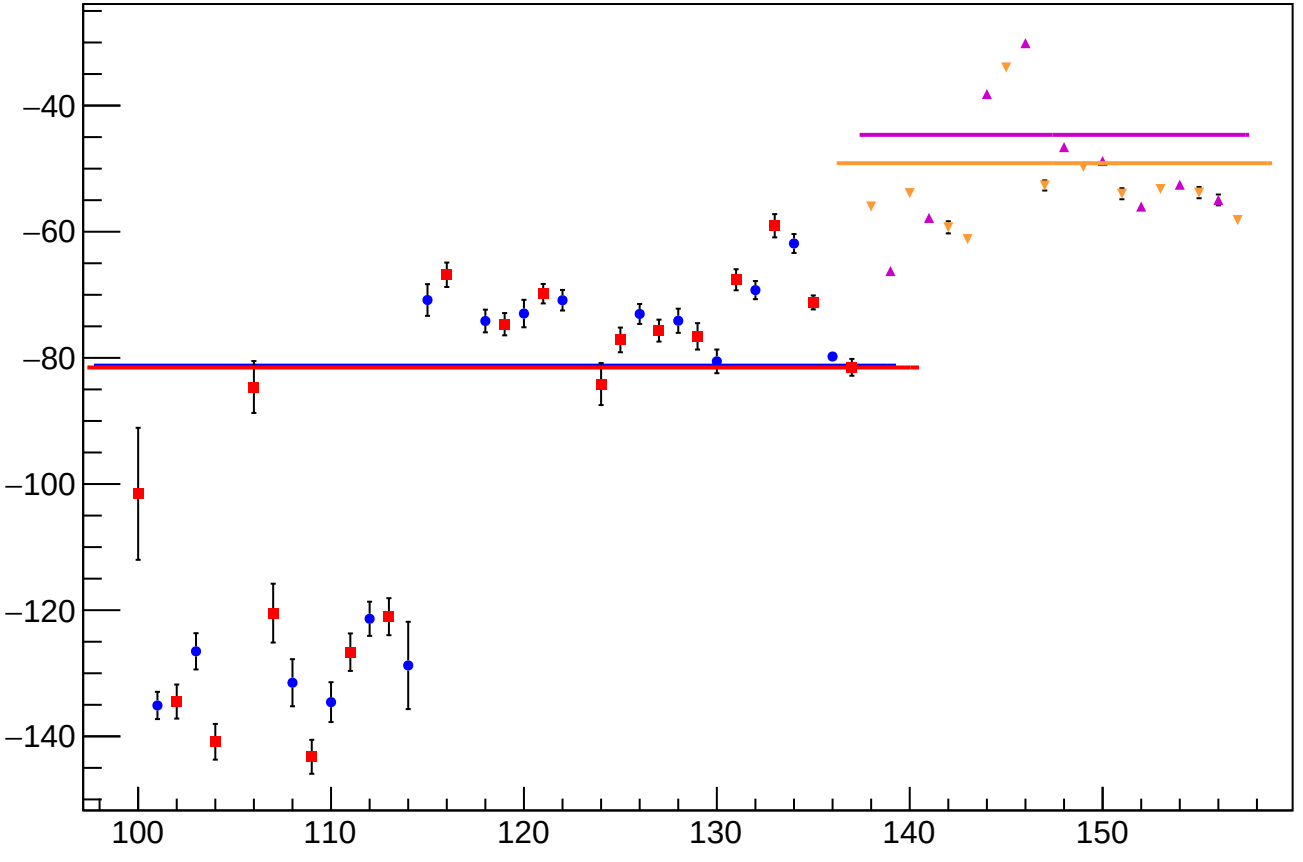
Left In: 4.146+/-0.139 χ^2/NDF:685.9/8

+ sign 5.070+/-0.135 χ^2/NDF: 2298.7/26

All: 4.578+/-0.094 χ^2/NDF: 5019.0/54

- sign 4.104+/-0.132 χ^2/NDF: 2694.1/27

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -49.136+/-0.201 χ^2/NDF:2446.3/10

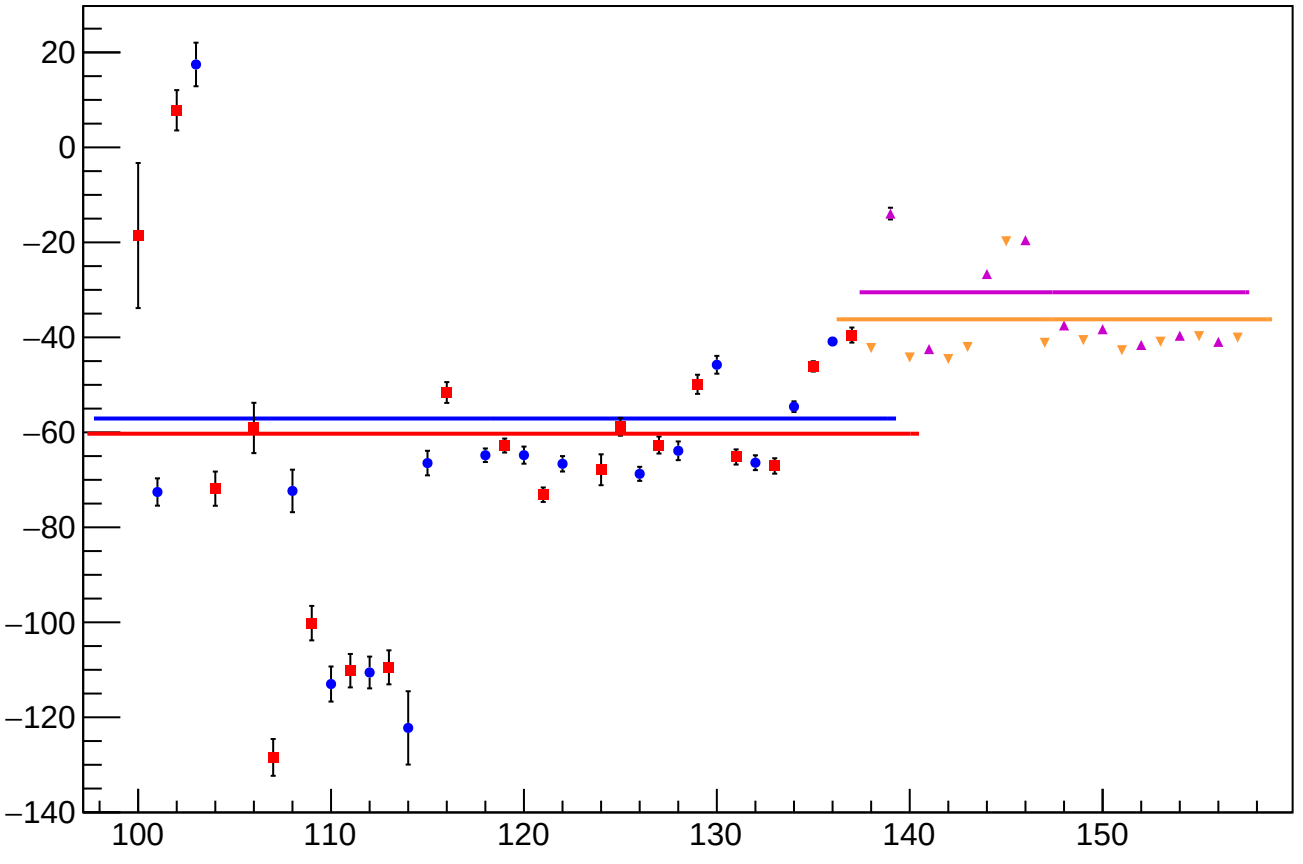
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -44.641+/-0.202 χ^2/NDF:3366.0/8

+ sign -55.211+/-0.181 χ^2/NDF: 9223.8/26

All: -52.947+/-0.130 χ^2/NDF: 20556.6/54

- sign -50.584+/-0.185 χ^2/NDF: 11014.4/27



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -36.199+/-0.172 χ^2/NDF:3196.3/10

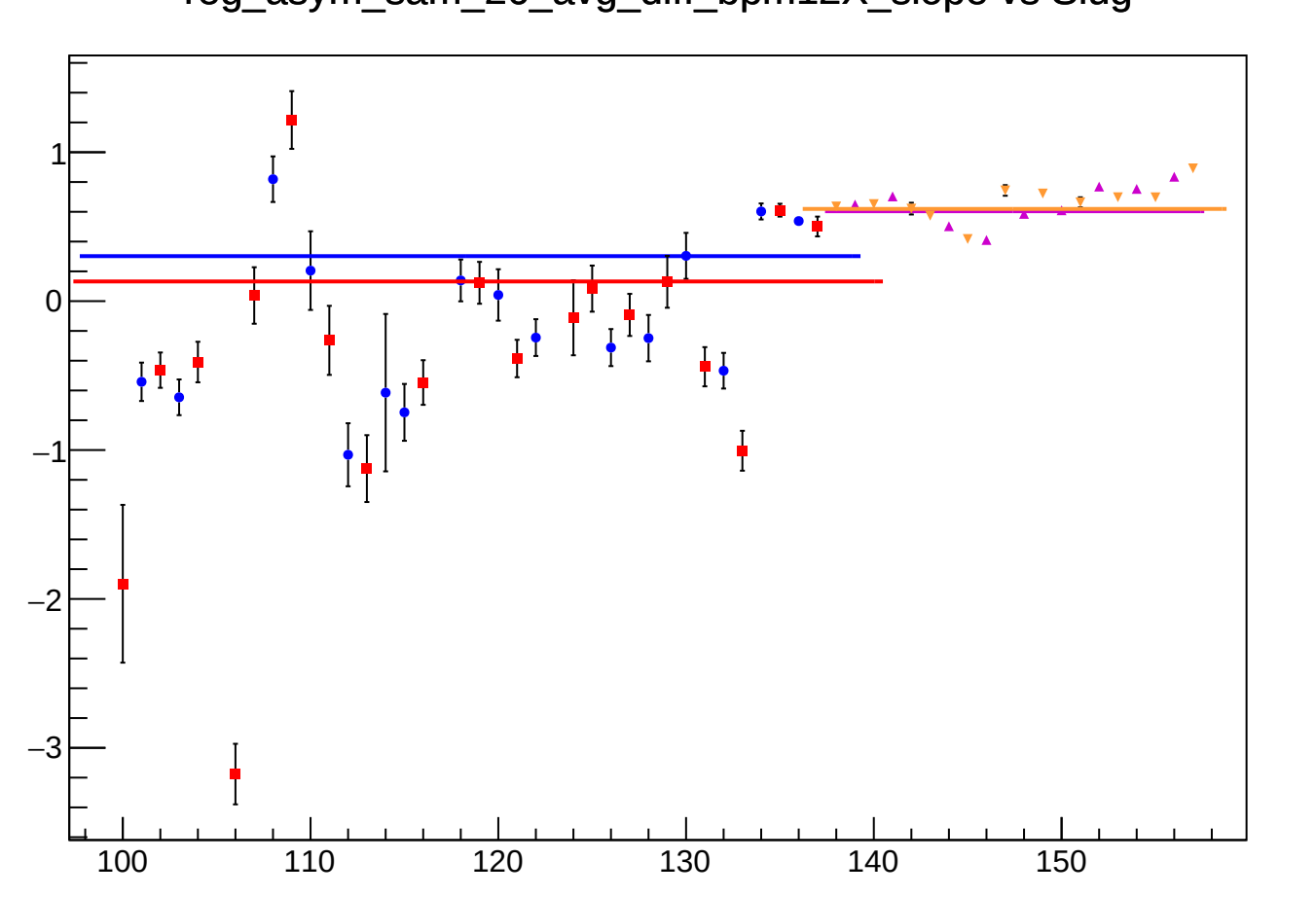
Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -30.508+/-0.169 χ^2/NDF:3082.4/8

+ sign -39.138+/-0.160 χ^2/NDF: 6792.1/26

All: -36.504+/-0.113 χ^2/NDF: 15559.6/54

- sign -33.903+/-0.159 χ^2/NDF: 8226.7/27



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.619+/-0.008 χ^2/NDF:346.1/10

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

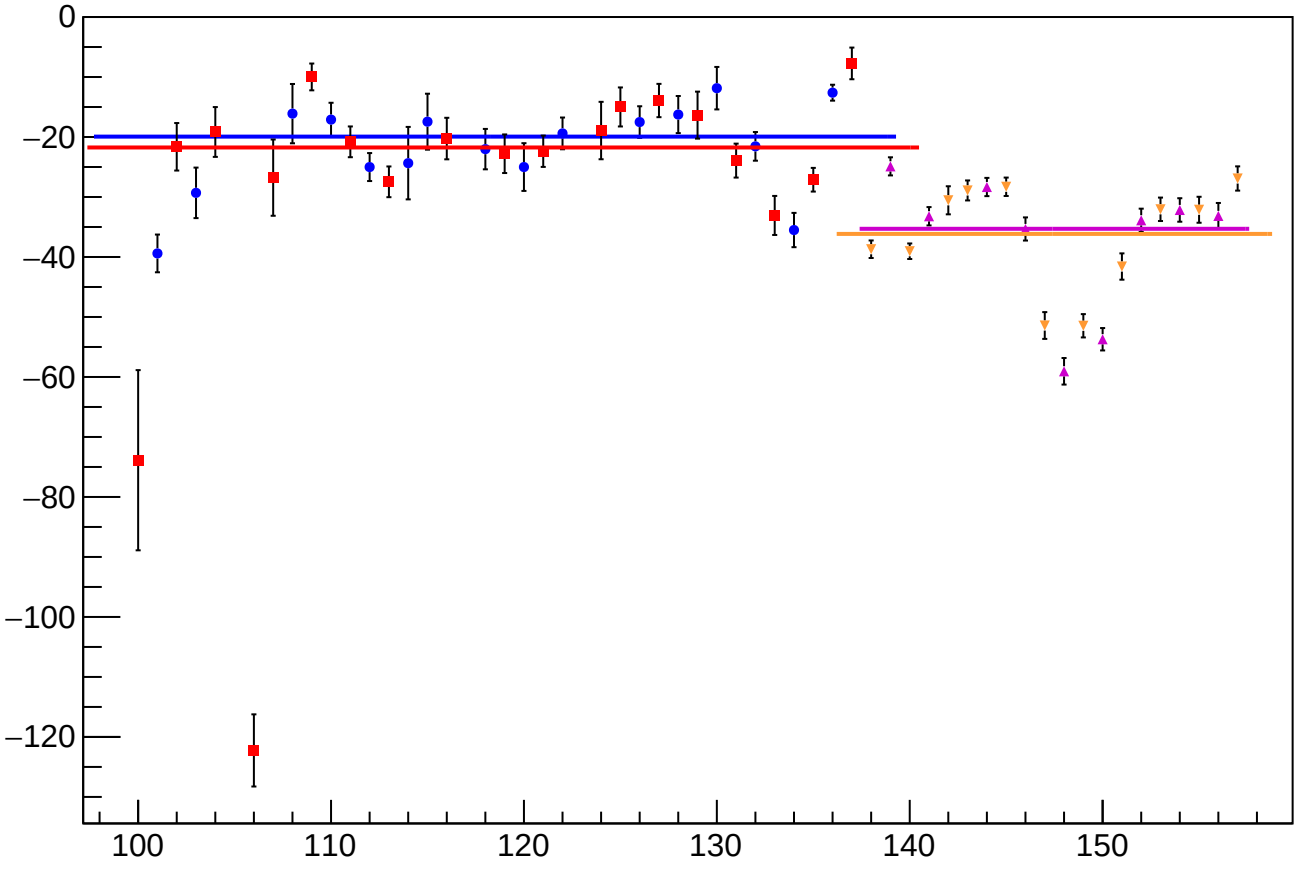
Left In: 0.604+/-0.008 χ^2/NDF:312.3/8

+ sign 0.586+/-0.007 χ^2/NDF: 891.6/26

All: 0.575+/-0.005 χ^2/NDF: 2170.2/54

- sign 0.564+/-0.008 χ^2/NDF: 1274.5/27

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.153+/-0.540 χ^2/NDF:202.7/10

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

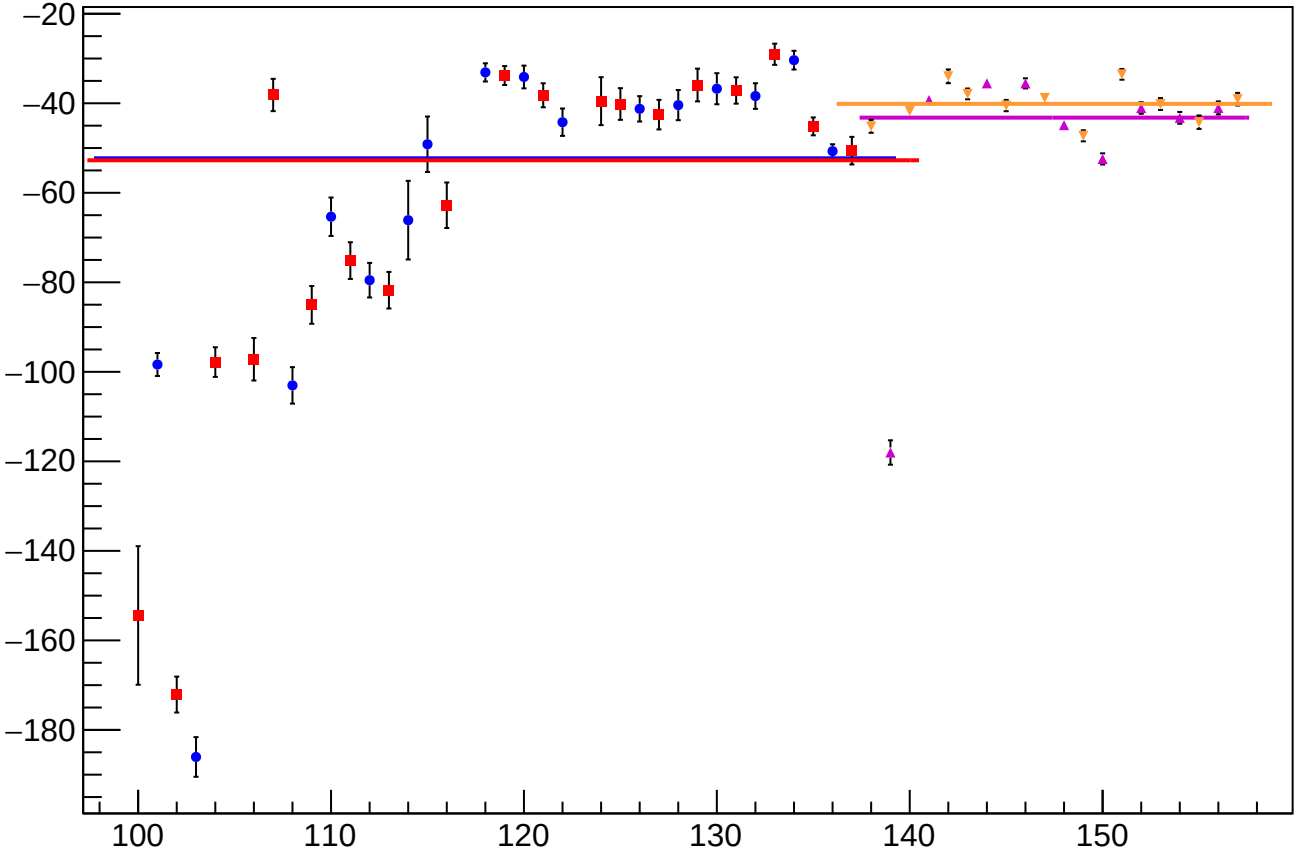
Left In: -35.302+/-0.597 χ^2/NDF:286.9/8

+ sign -30.043+/-0.426 χ^2/NDF: 662.9/26

All: -29.891+/-0.312 χ^2/NDF: 1550.5/54

- sign -29.716+/-0.458 χ^2/NDF: 887.4/27

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.134+/-0.381 χ^2/NDF:107.1/10

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

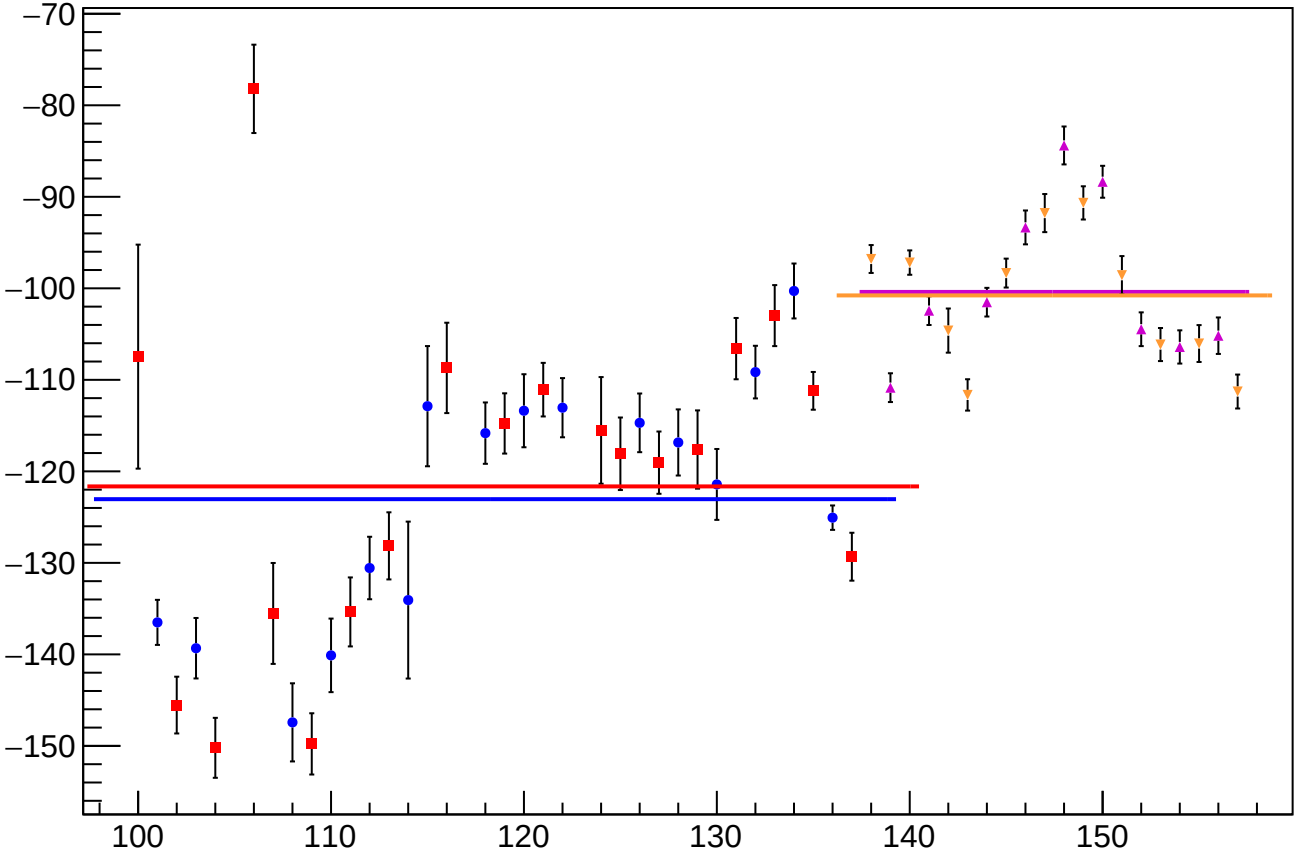
Left In: -43.209+/-0.419 χ^2/NDF:919.3/8

+ sign -42.863+/-0.335 χ^2/NDF: 2114.1/26

All: -44.061+/-0.247 χ^2/NDF: 4847.3/54

- sign -45.487+/-0.366 χ^2/NDF: 2705.3/27

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.775+/-0.534 χ^2/NDF:157.8/10

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

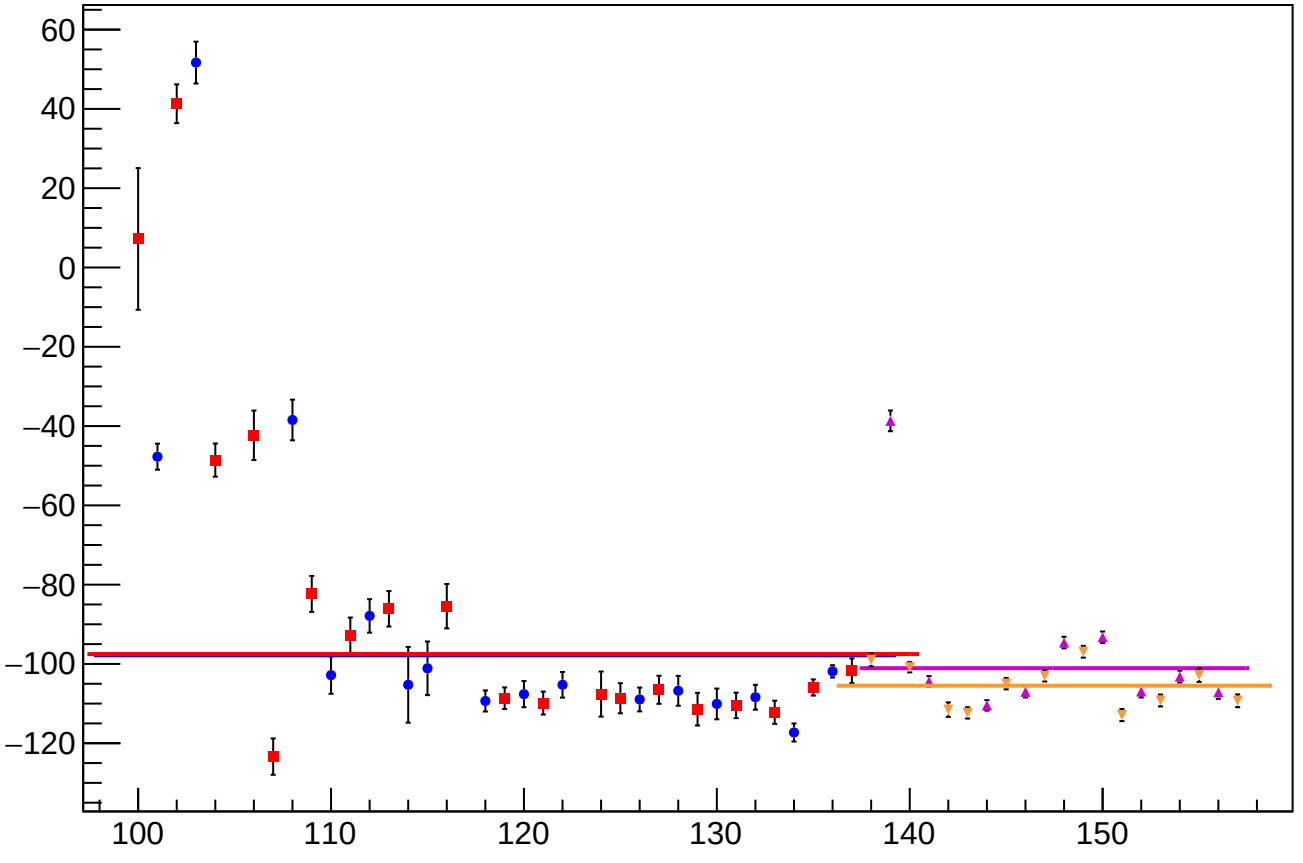
Left In: -100.394+/-0.585 χ^2/NDF:189.9/8

+ sign -108.256+/-0.435 χ^2/NDF: 969.7/26

All: -108.040+/-0.320 χ^2/NDF: 2043.6/54

- sign -107.784+/-0.472 χ^2/NDF: 1073.3/27

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.489+/-0.458 χ^2/NDF:136.3/10

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

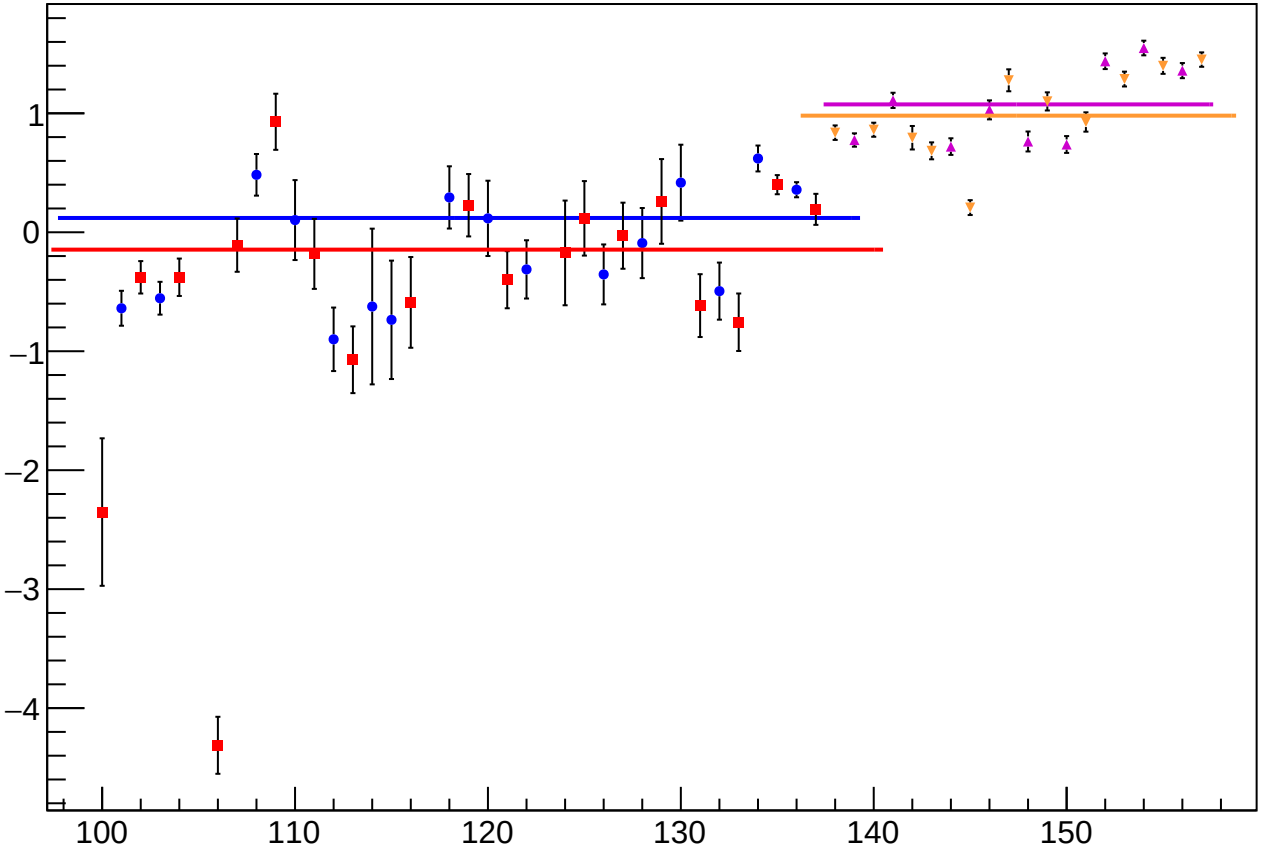
Left In: -101.075+/-0.503 χ^2/NDF:722.4/8

+ sign -103.572+/-0.396 χ^2/NDF: 1537.3/26

All: -102.001+/-0.292 χ^2/NDF: 3543.8/54

- sign -100.137+/-0.432 χ^2/NDF: 1972.1/27

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.980+/-0.021 χ^2/NDF:319.4/10

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

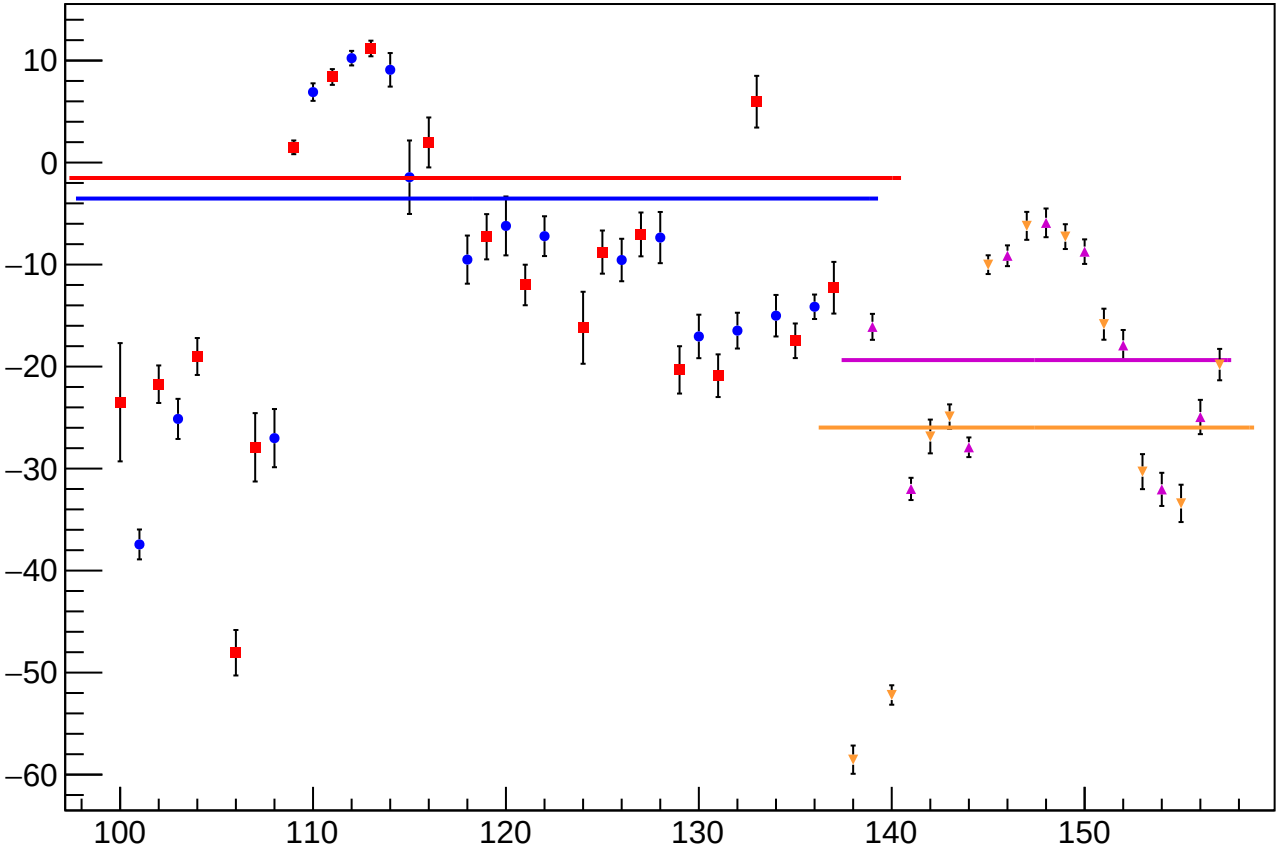
Left In: 1.075+/-0.022 χ^2/NDF:200.7/8

+ sign 0.805+/-0.019 χ^2/NDF: 790.0/26

All: 0.818+/-0.014 χ^2/NDF: 2005.8/54

- sign 0.833+/-0.020 χ^2/NDF: 1214.8/27

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.976+/-0.390 χ^2/NDF:2140.1/10

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

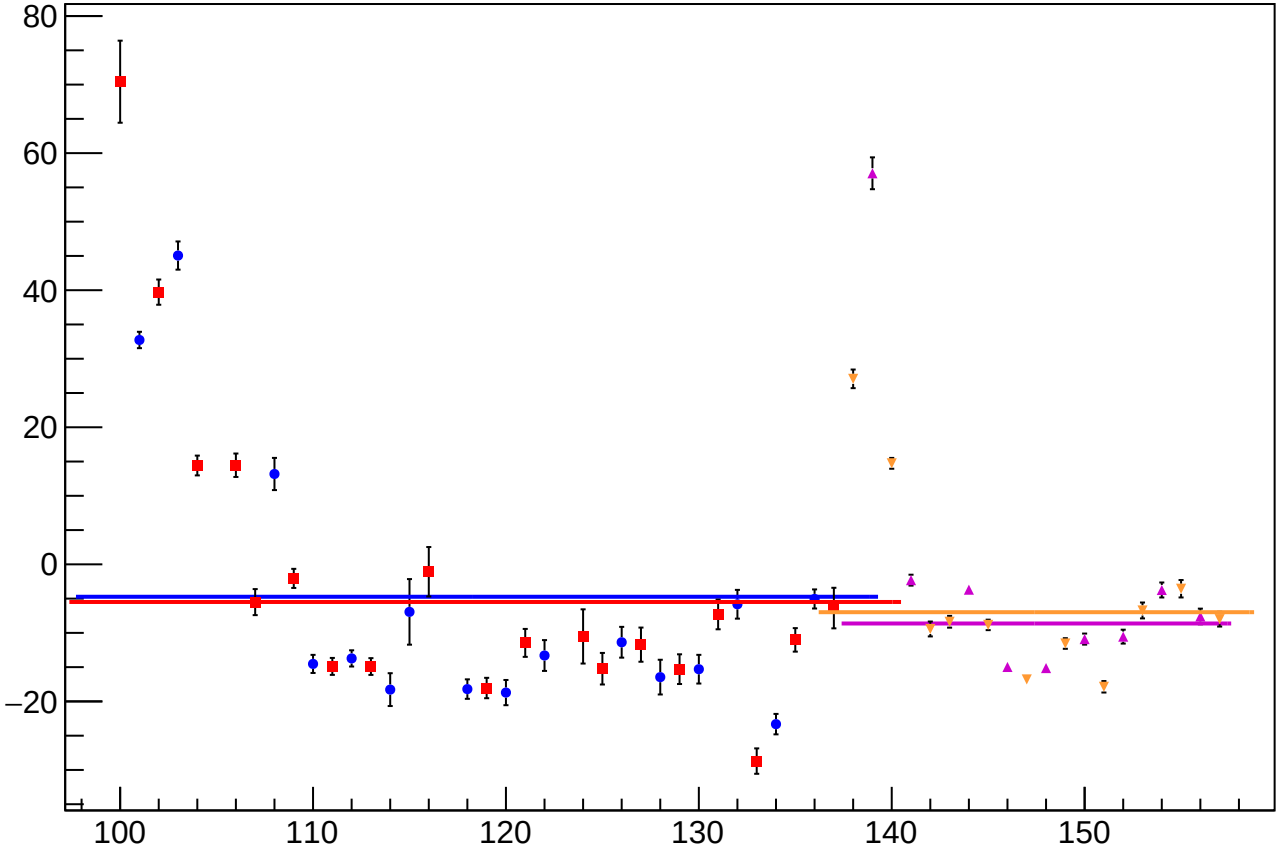
Left In: -19.364+/-0.413 χ^2/NDF:562.5/8

+ sign -14.365+/-0.271 χ^2/NDF: 5383.3/26

All: -11.428+/-0.188 χ^2/NDF: 8815.6/54

- sign -8.687+/-0.262 χ^2/NDF: 3205.1/27

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.982+/-0.269 χ^2/NDF:1848.4/10

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

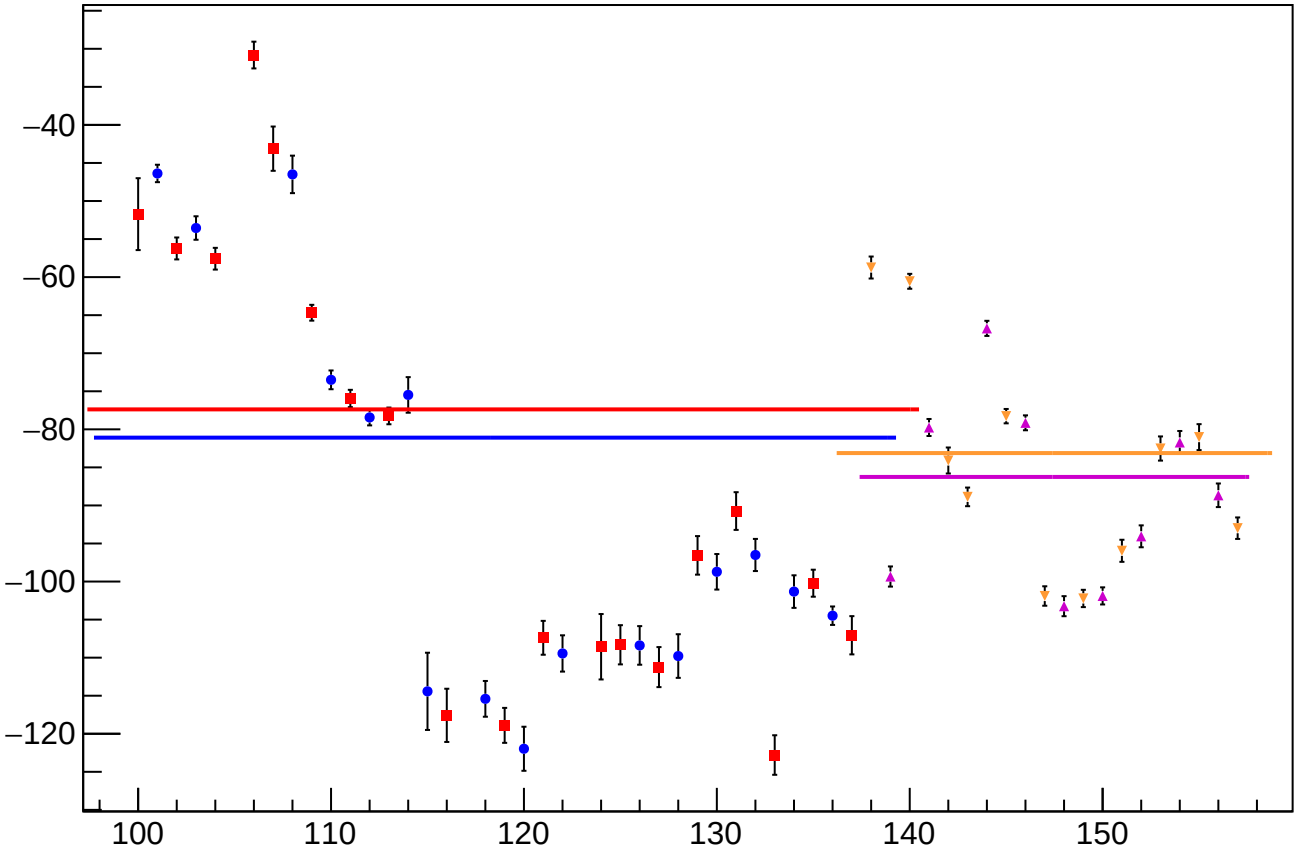
Left In: -8.631+/-0.280 χ^2/NDF:1143.9/8

+ sign -6.351+/-0.228 χ^2/NDF: 4016.1/26

All: -6.996+/-0.163 χ^2/NDF: 6723.3/54

- sign -7.671+/-0.233 χ^2/NDF: 2690.9/27

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -83.119+/-0.385 χ^2/NDF:1491.0/10

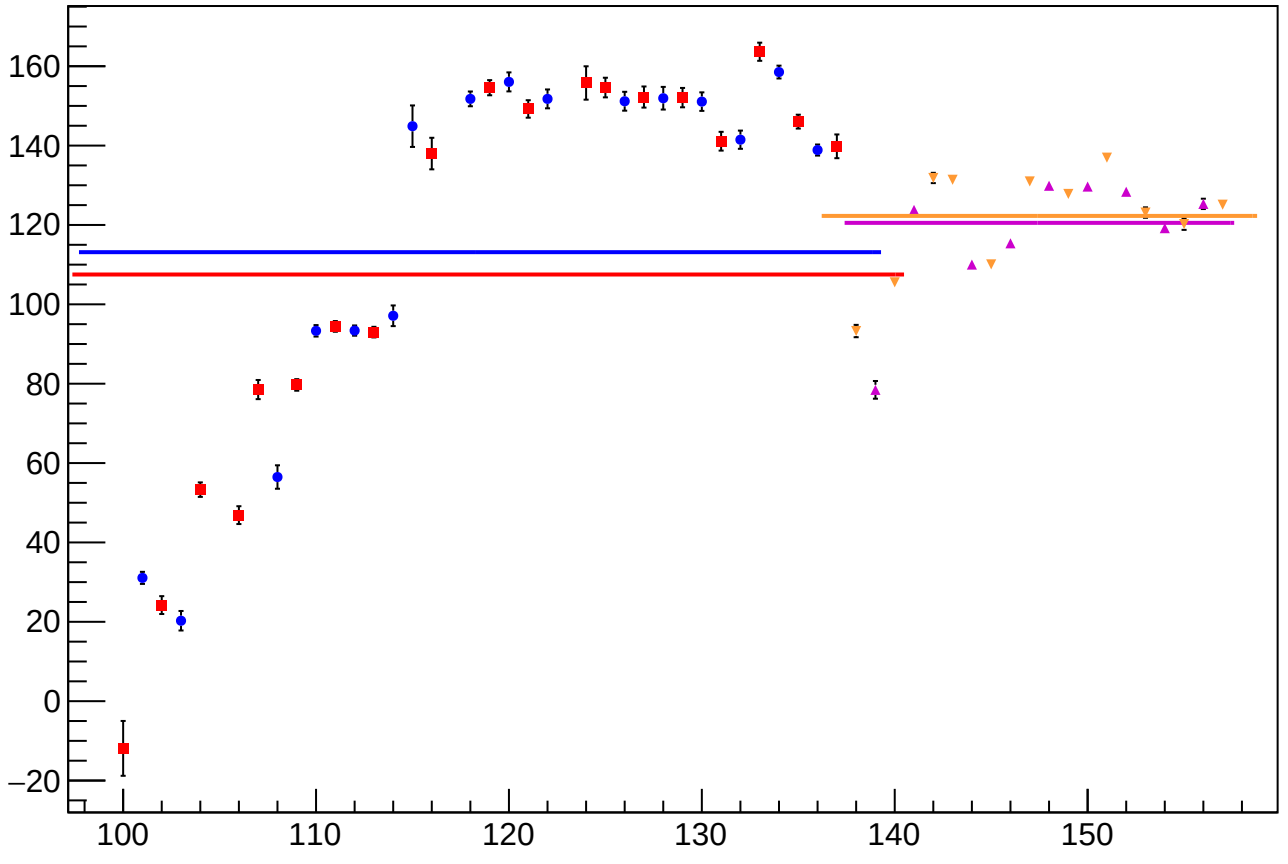
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.254+/-0.404 χ^2/NDF:970.6/8

+ sign -82.237+/-0.289 χ^2/NDF: 4373.4/26

All: -82.097+/-0.205 χ^2/NDF: 8707.9/54

- sign -81.957+/-0.290 χ^2/NDF: 4334.0/27



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.281+/-0.325 χ^2/NDF:1319.3/10

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

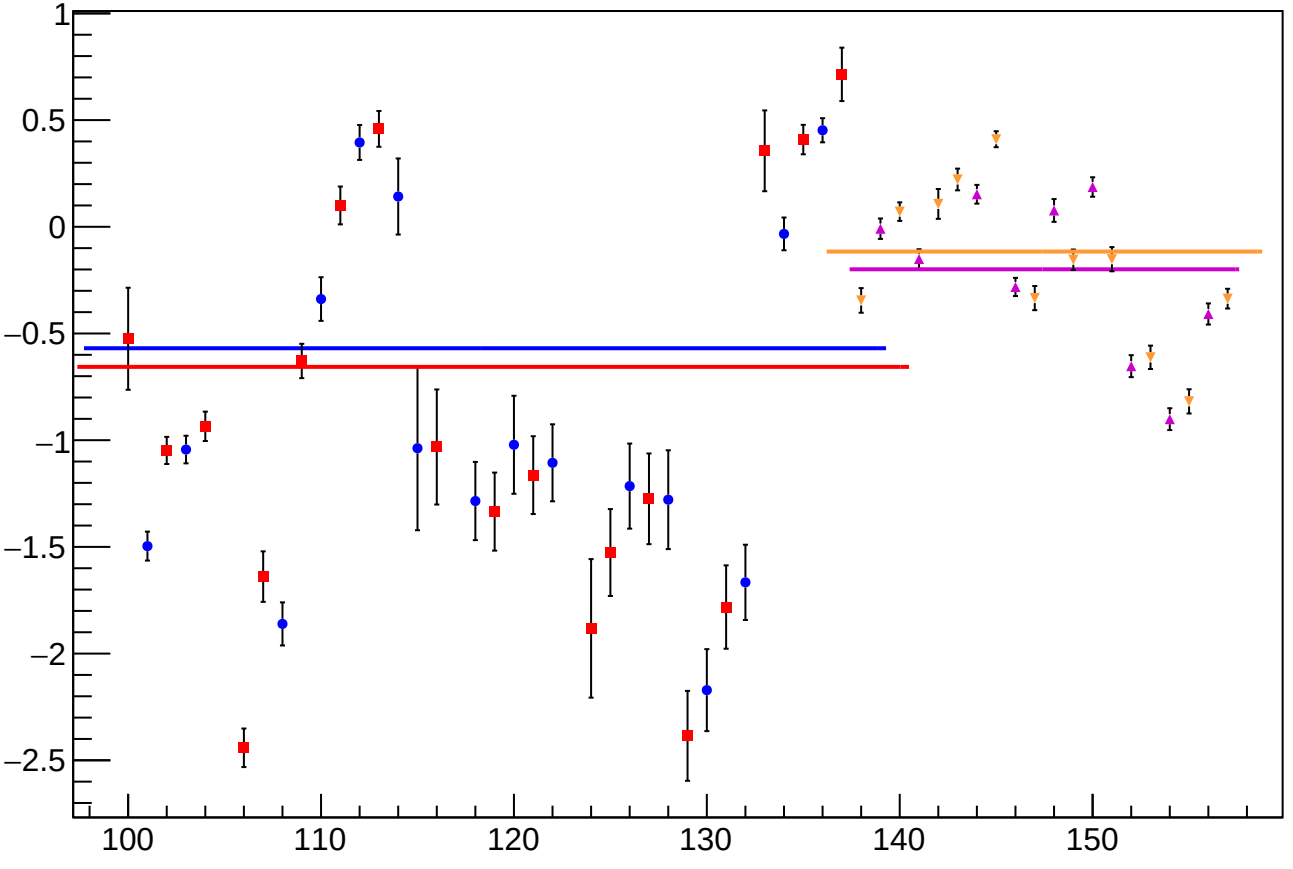
Left In: 120.530+/-0.339 χ^2/NDF:827.0/8

\+ sign 119.478+/-0.271 χ^2/NDF: 9765.5/26

All: 117.871+/-0.194 χ^2/NDF: 18700.1/54

\- sign 116.192+/-0.277 χ^2/NDF: 8862.5/27

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.116+/-0.015 χ^2/NDF:560.2/10

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

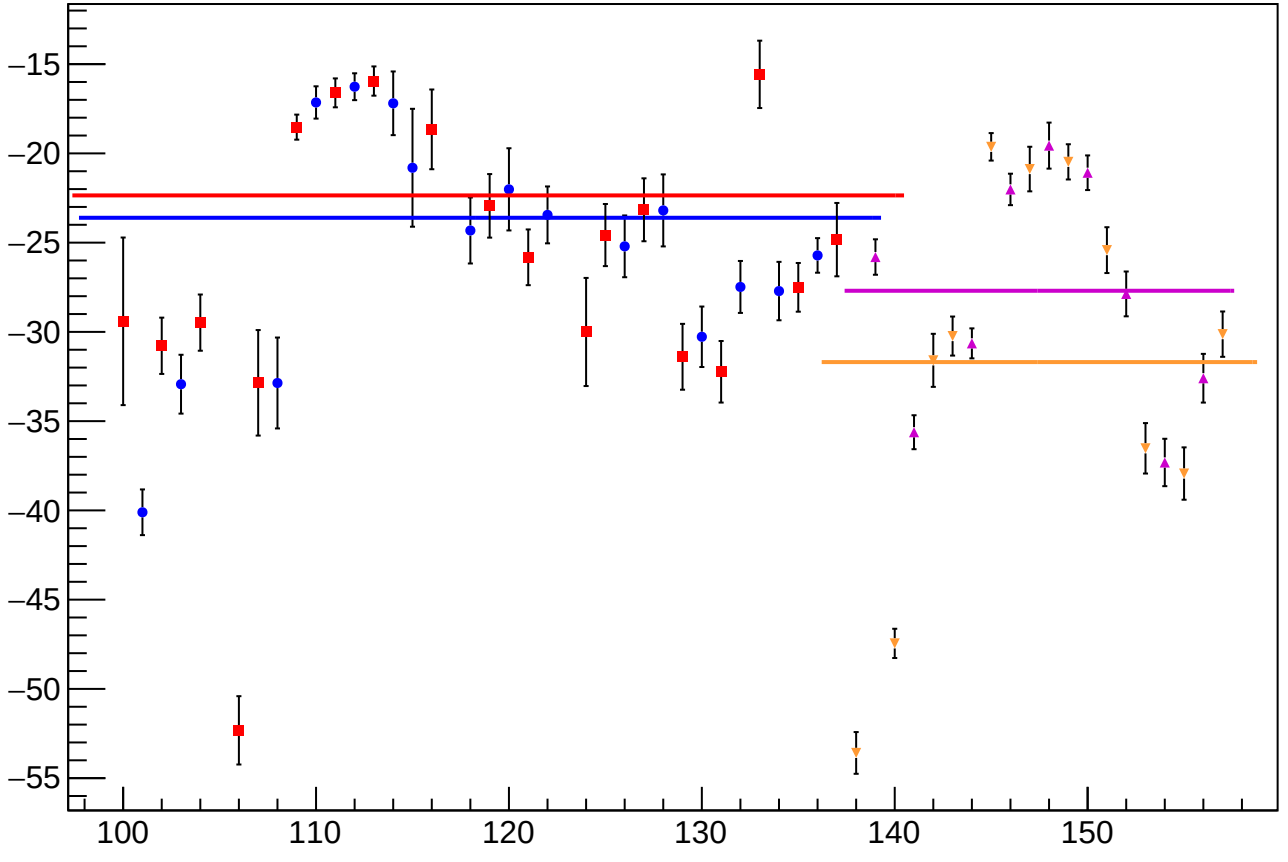
Left In: -0.199+/-0.016 χ^2/NDF:467.3/8

+ sign -0.233+/-0.013 χ^2/NDF: 1886.5/26

All: -0.280+/-0.009 χ^2/NDF: 3930.6/54

- sign -0.329+/-0.013 χ^2/NDF: 2018.2/27

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.691+/-0.332 χ^2/NDF:1226.9/10

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

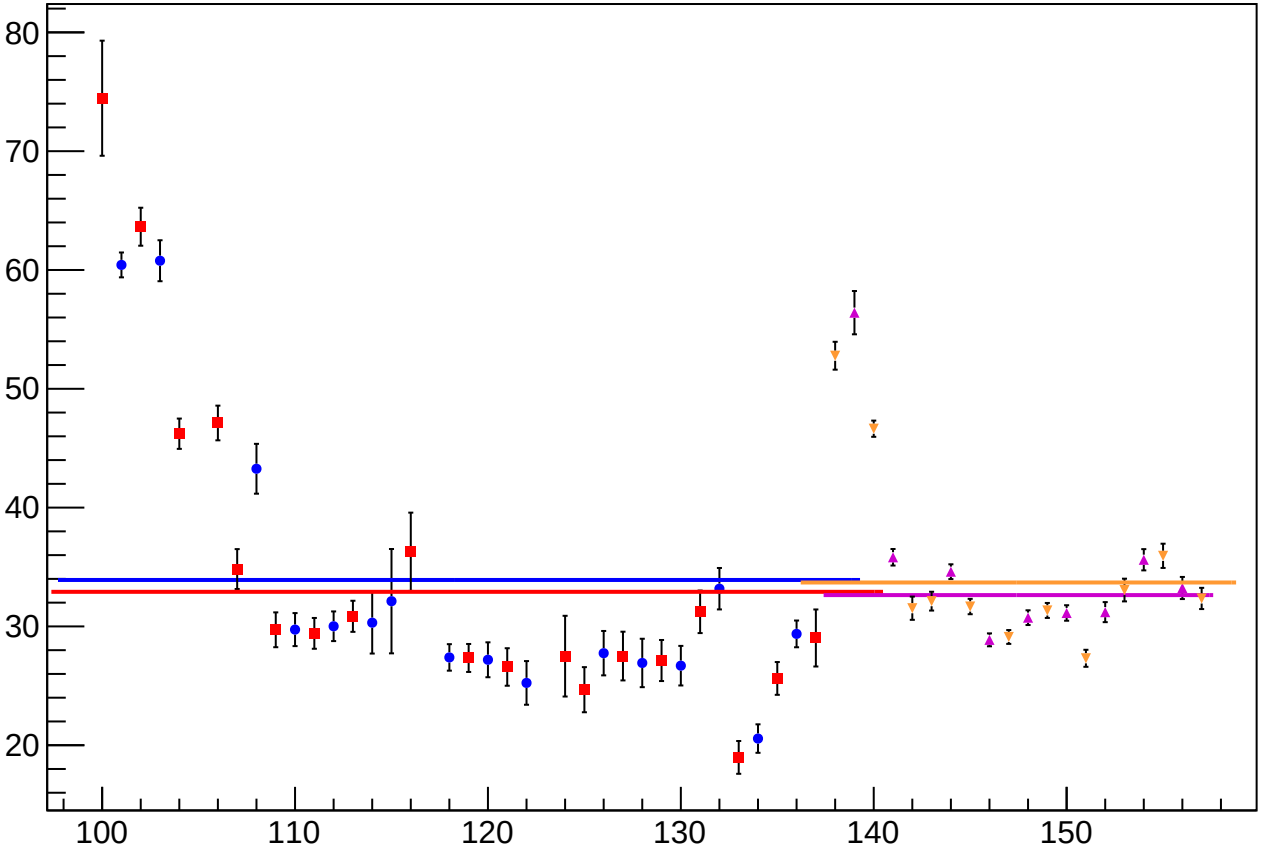
Left In: -27.696+/-0.349 χ^2/NDF:278.5/8

+ sign -27.839+/-0.240 χ^2/NDF: 1915.3/26

All: -26.300+/-0.169 χ^2/NDF: 2953.0/54

- sign -24.811+/-0.236 χ^2/NDF: 957.0/27

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.697+/-0.232 χ^2/NDF:806.0/10

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

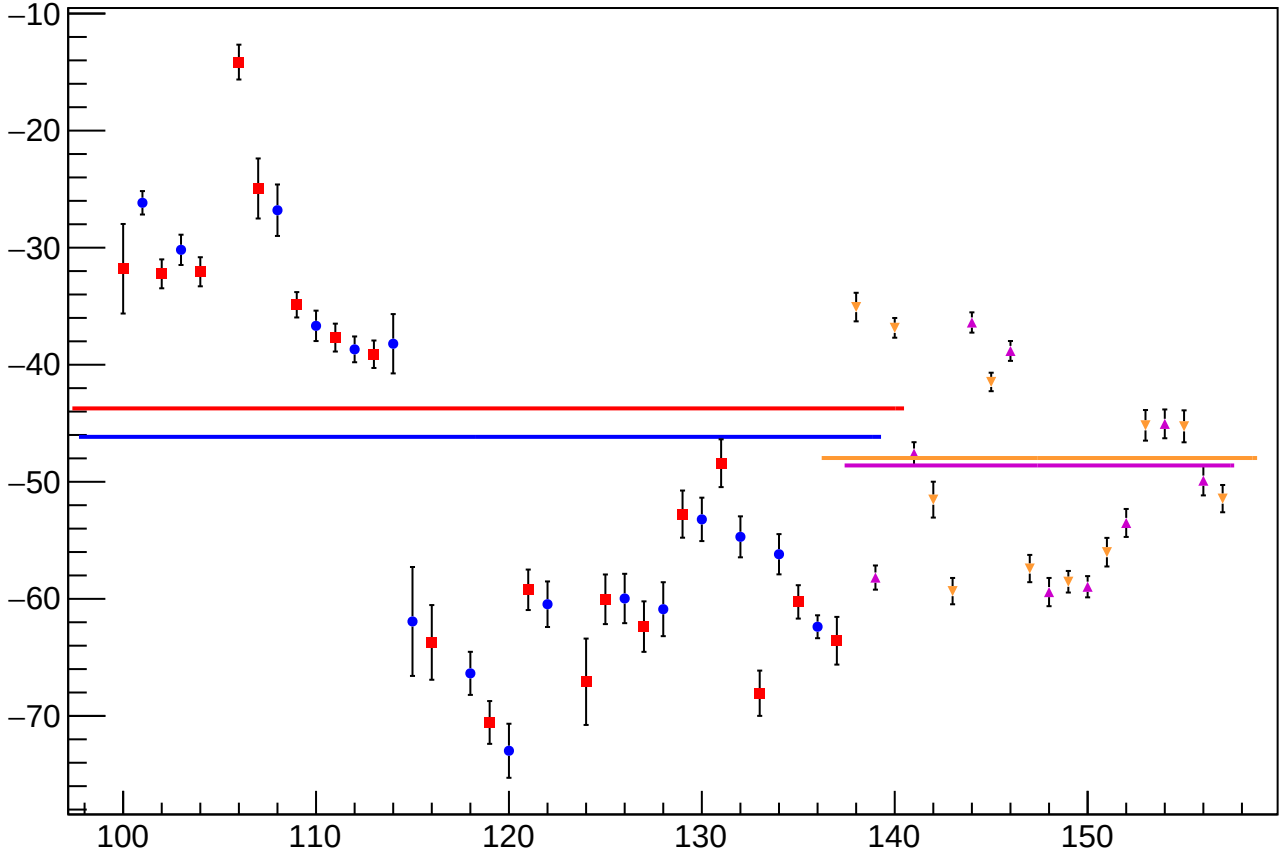
Left In: 32.636+/-0.242 χ^2/NDF:278.2/8

+ sign 33.755+/-0.197 χ^2/NDF: 1990.7/26

All: 33.251+/-0.141 χ^2/NDF: 3157.6/54

- sign 32.718+/-0.203 χ^2/NDF: 1153.5/27

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.969+/-0.327 χ^2/NDF:718.8/10

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

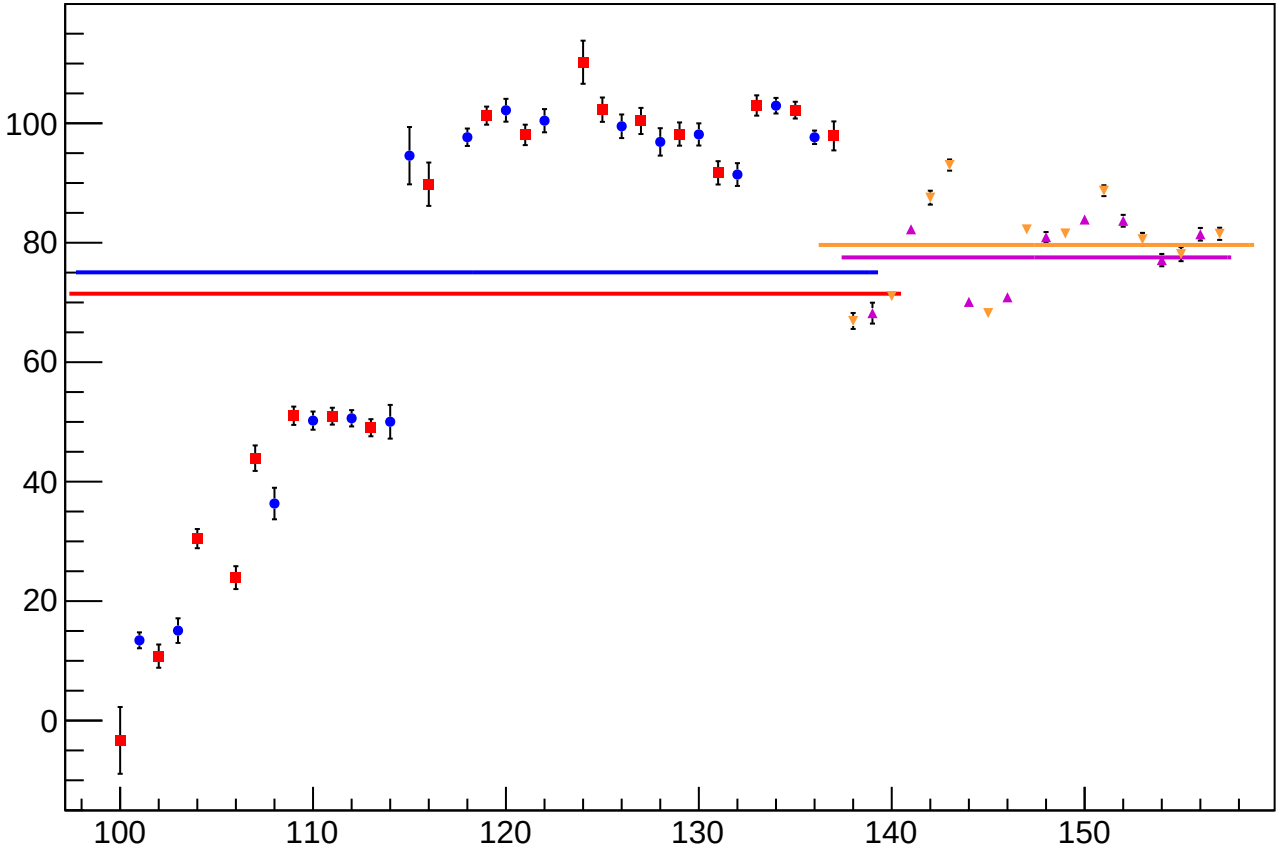
Left In: -48.604+/-0.341 χ^2/NDF:656.0/8

\+ sign -47.221+/-0.251 χ^2/NDF: 2221.1/26

All: -46.825+/-0.178 χ^2/NDF: 4637.1/54

\- sign -46.420+/-0.253 χ^2/NDF: 2411.0/27

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.630+/-0.279 χ^2/NDF:812.9/10

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

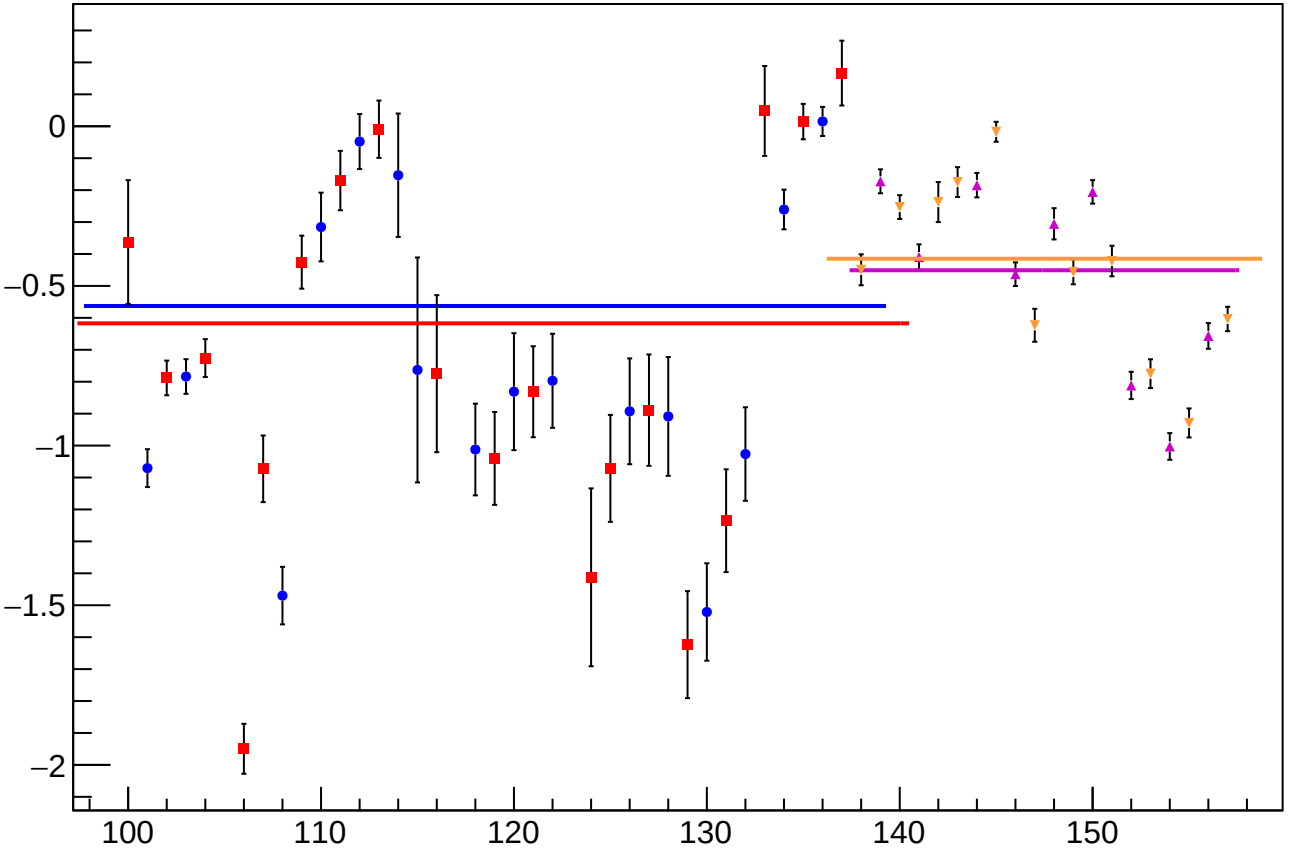
Left In: 77.543+/-0.290 χ^2/NDF:403.1/8

+ sign 78.259+/-0.234 χ^2/NDF: 6722.0/26

All: 76.972+/-0.167 χ^2/NDF: 12954.7/54

- sign 75.616+/-0.240 χ^2/NDF: 6170.3/27

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.415+/-0.013 χ^2/NDF:450.0/10

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

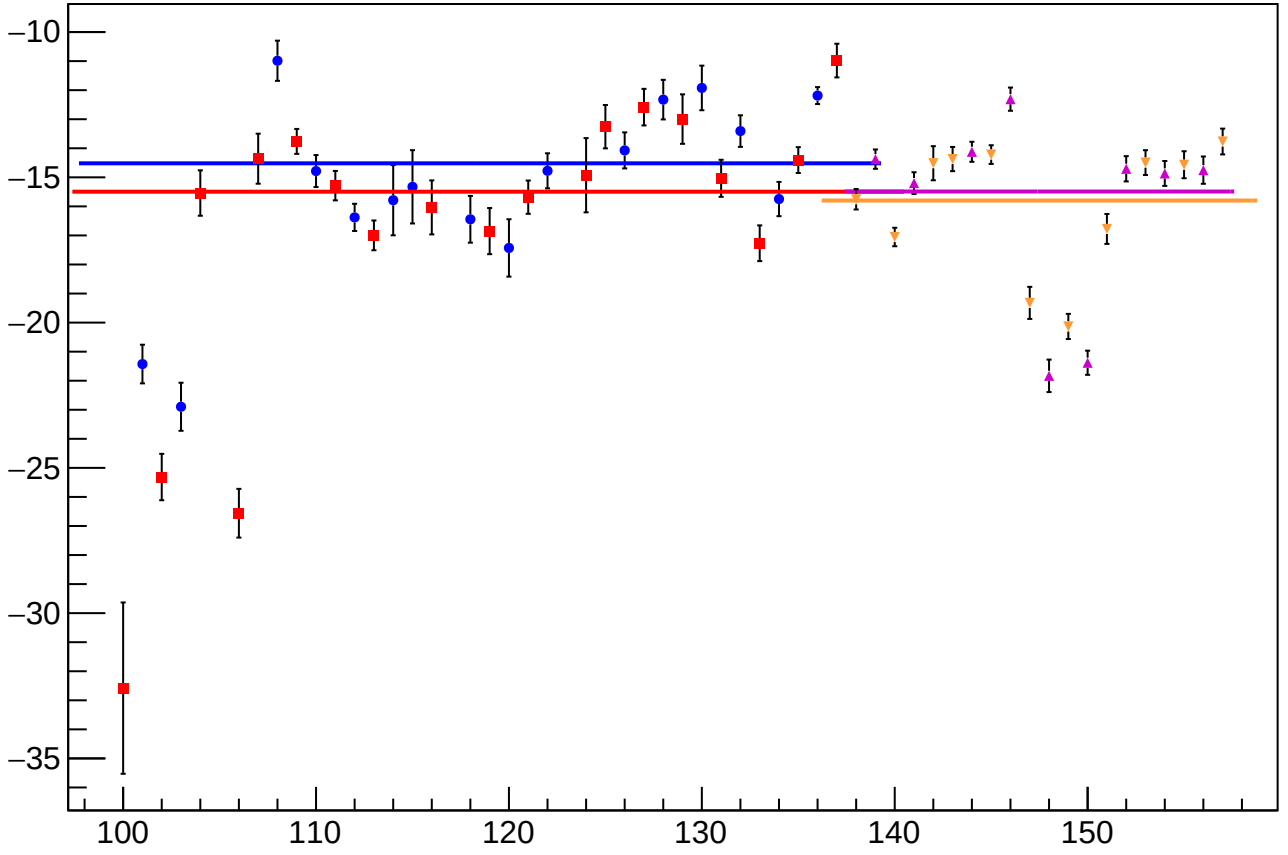
Left In: -0.451+/-0.013 χ^2/NDF:430.6/8

+ sign -0.452+/-0.011 χ^2/NDF: 976.2/26

All: -0.473+/-0.008 χ^2/NDF: 2145.4/54

- sign -0.495+/-0.011 χ^2/NDF: 1161.9/27

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.798+/-0.125 χ^2/NDF:238.0/10

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

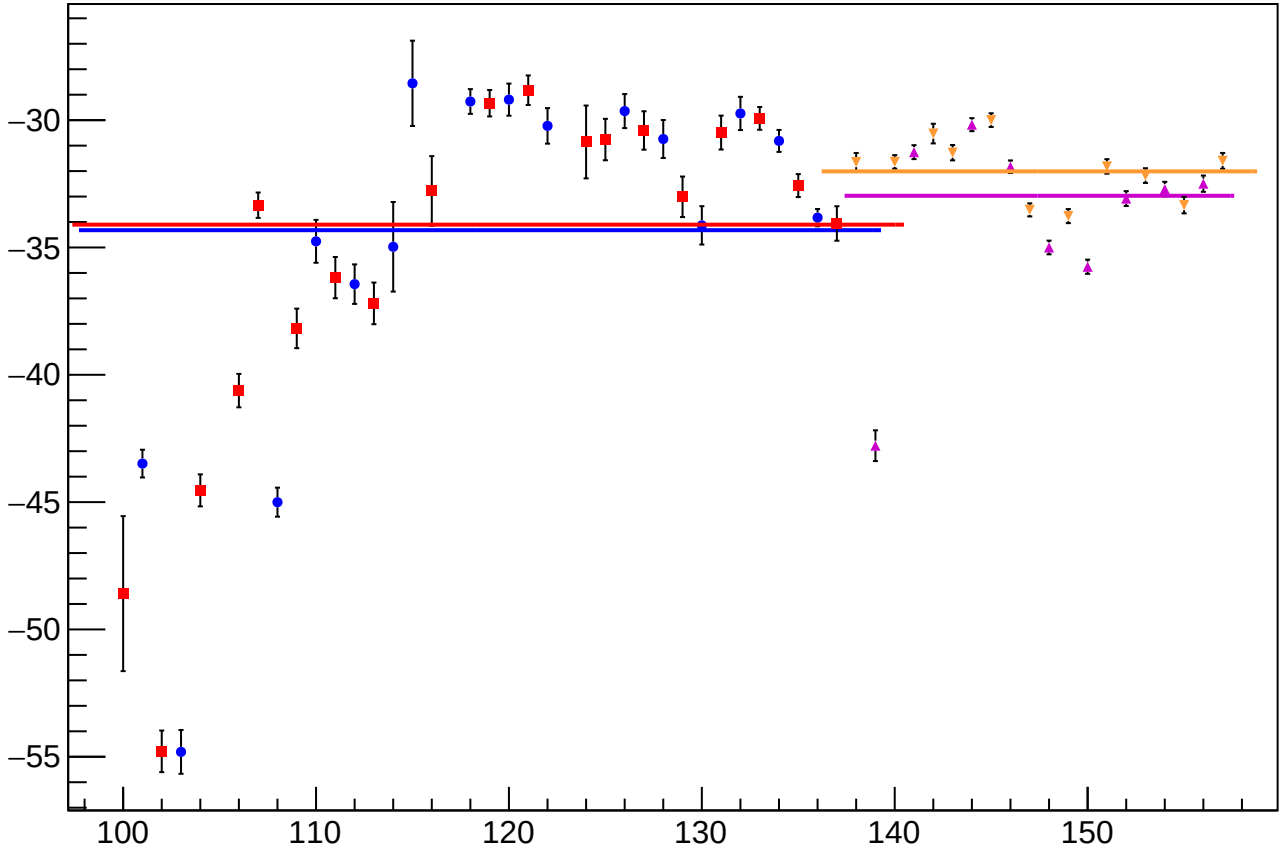
Left In: -15.488+/-0.135 χ^2/NDF:428.3/8

+ sign -15.270+/-0.096 χ^2/NDF: 644.5/26

All: -15.376+/-0.069 χ^2/NDF: 1579.1/54

- sign -15.491+/-0.100 χ^2/NDF: 932.1/27

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -32.011+/-0.089 χ^2/NDF:173.8/10

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

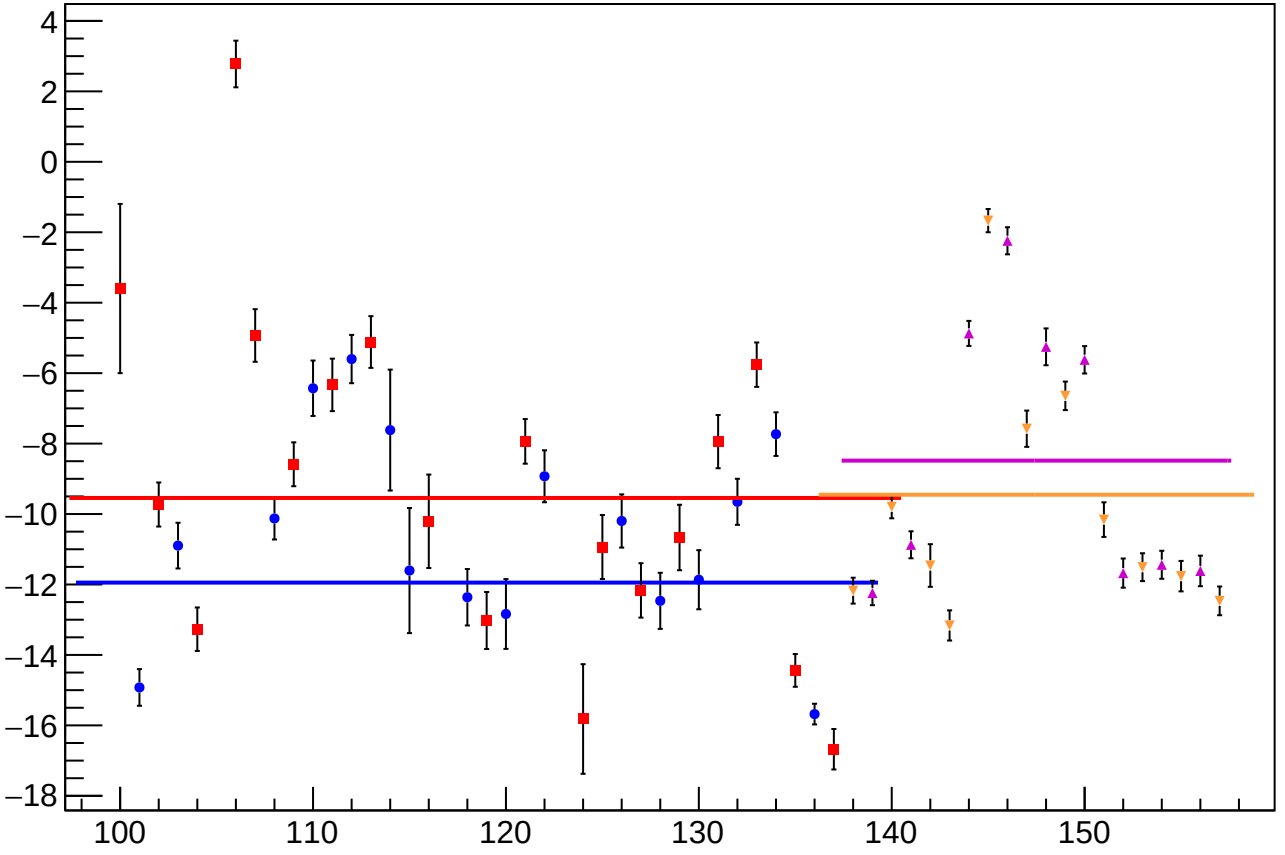
Left In: -32.969+/-0.096 χ^2/NDF:603.2/8

+ sign -32.595+/-0.077 χ^2/NDF: 1964.0/26

All: -32.921+/-0.056 χ^2/NDF: 4079.0/54

- sign -33.287+/-0.082 χ^2/NDF: 2076.9/27

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -9.452+/-0.123 χ^2/NDF:871.6/10

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

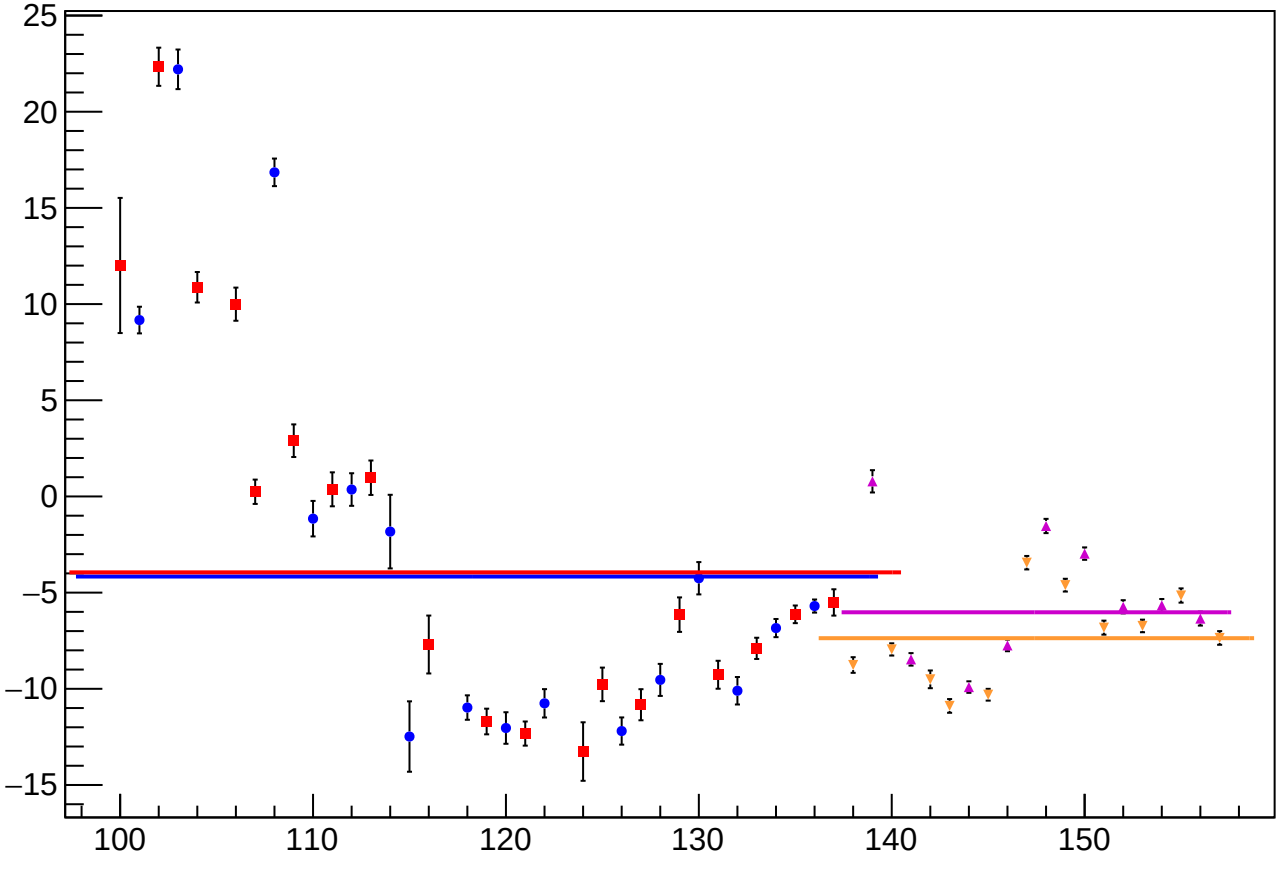
Left In: -8.483+/-0.132 χ^2/NDF:782.5/8

+ sign -10.379+/-0.098 χ^2/NDF: 1454.0/26

All: -9.677+/-0.071 χ^2/NDF: 3218.1/54

- sign -8.896+/-0.103 χ^2/NDF: 1654.8/27

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.369+/-0.106 χ^2/NDF:461.9/10

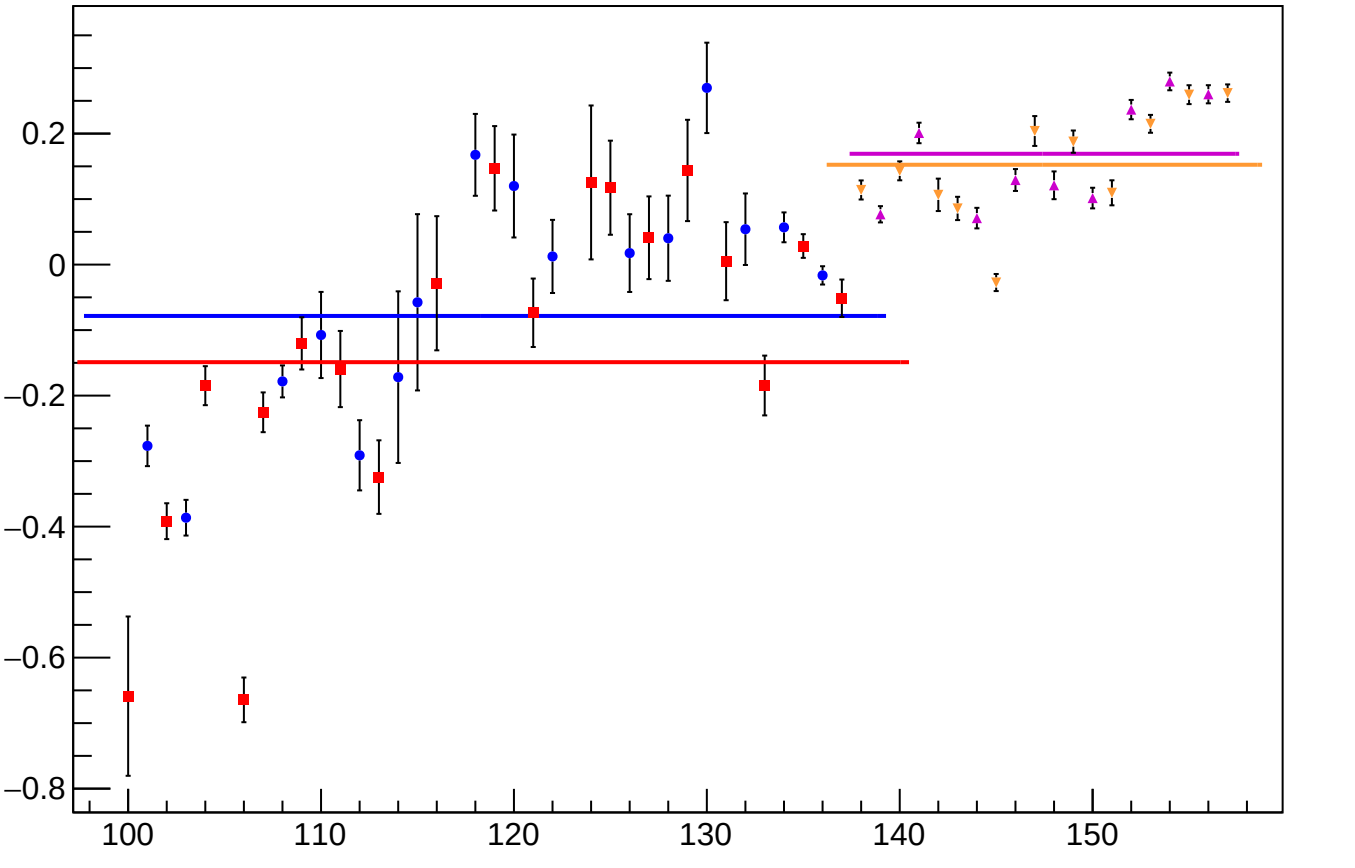
Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.022+/-0.114 χ^2/NDF:634.1/8

+ sign -6.481+/-0.090 χ^2/NDF: 3238.3/26

All: -5.975+/-0.066 χ^2/NDF: 6146.8/54

- sign -5.406+/-0.096 χ^2/NDF: 2842.0/27



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.152+/-0.005 χ^2/NDF:372.8/10

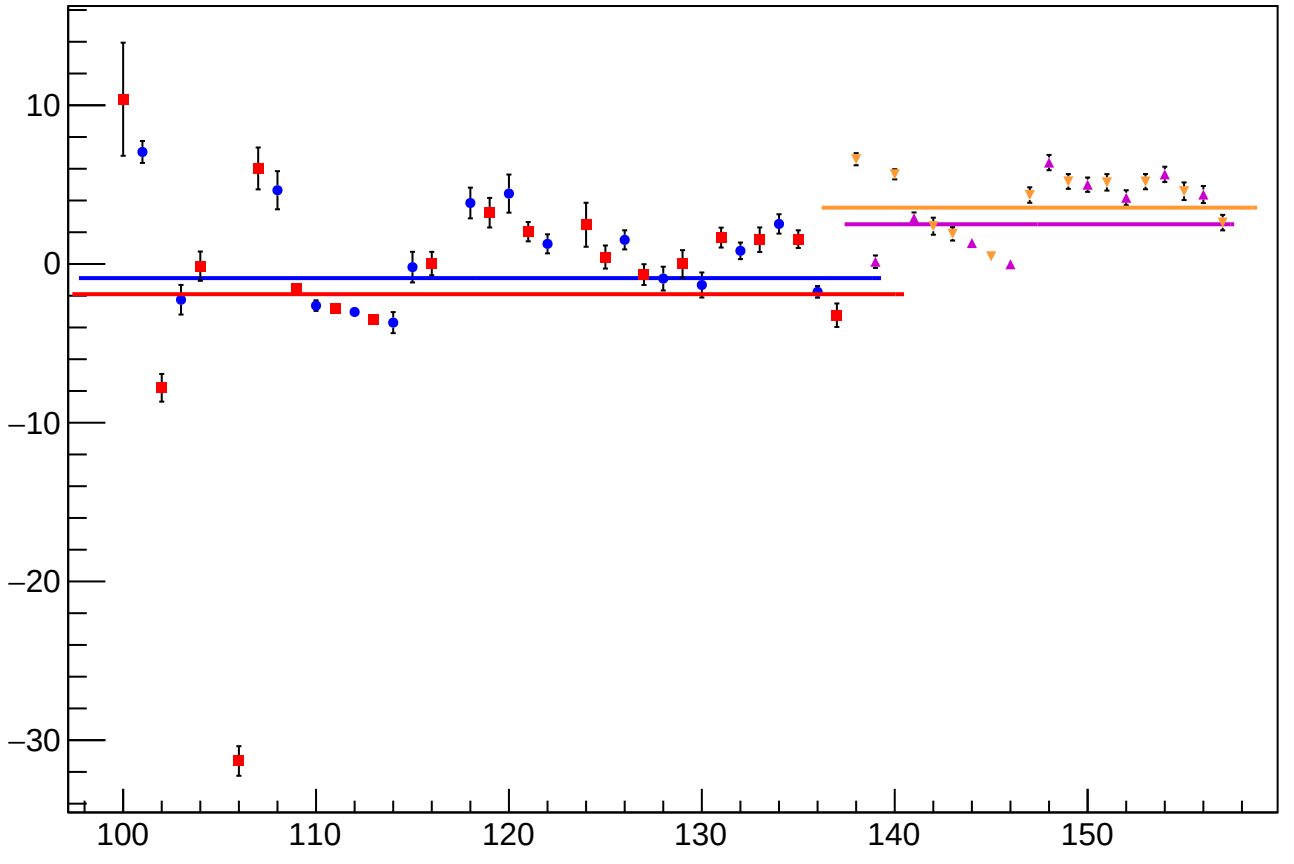
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.169+/-0.005 χ^2/NDF:258.9/8

+ sign 0.098+/-0.004 χ^2/NDF: 1245.9/26

All: 0.096+/-0.003 χ^2/NDF: 2971.4/54

- sign 0.095+/-0.004 χ^2/NDF: 1725.3/27



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.550+/-0.123 χ^2/NDF:327.1/10

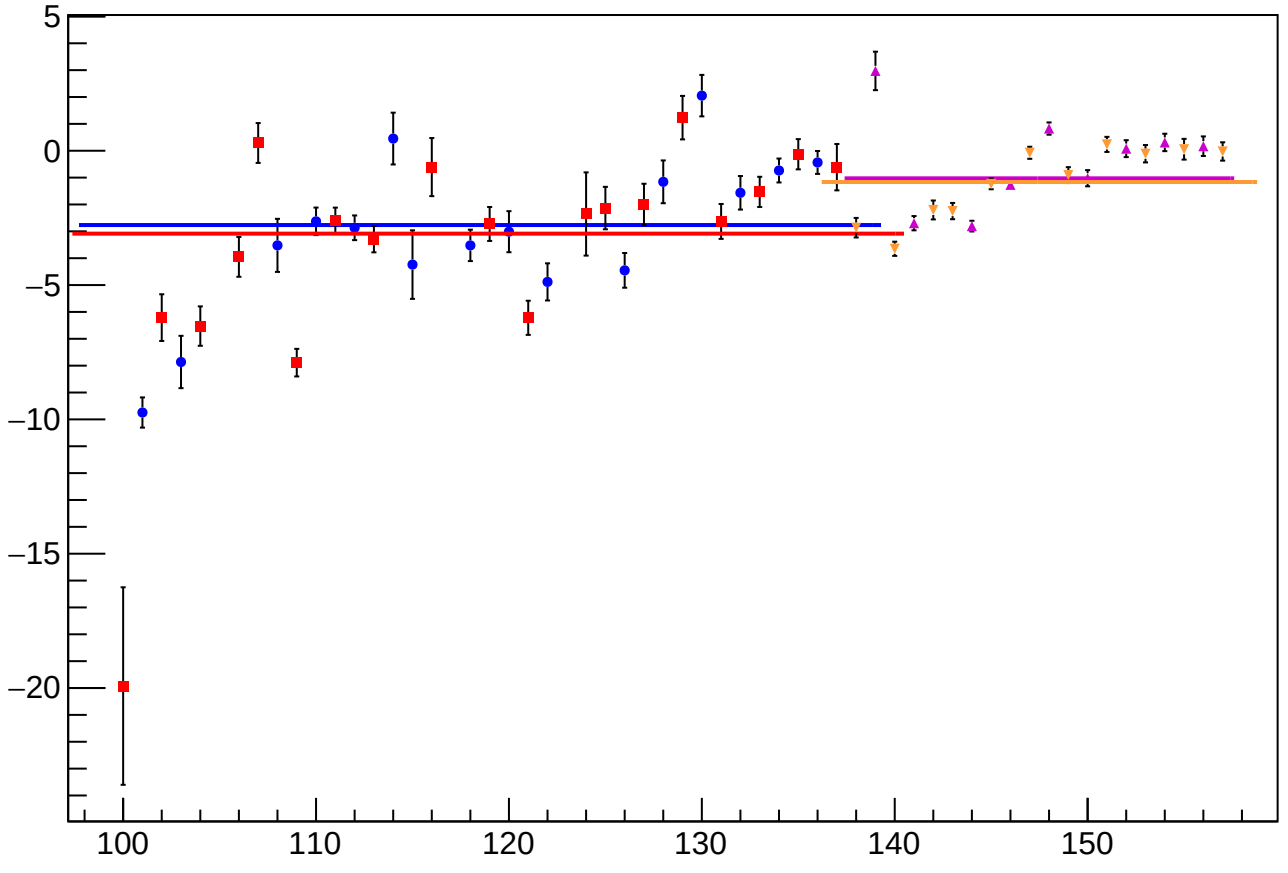
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.502+/-0.129 χ^2/NDF:288.3/8

+ sign 1.570+/-0.091 χ^2/NDF: 1292.5/26

All: 0.928+/-0.064 χ^2/NDF: 3597.7/54

- sign 0.290+/-0.091 χ^2/NDF: 2206.3/27



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.164+/-0.086 χ^2/NDF:212.5/10

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

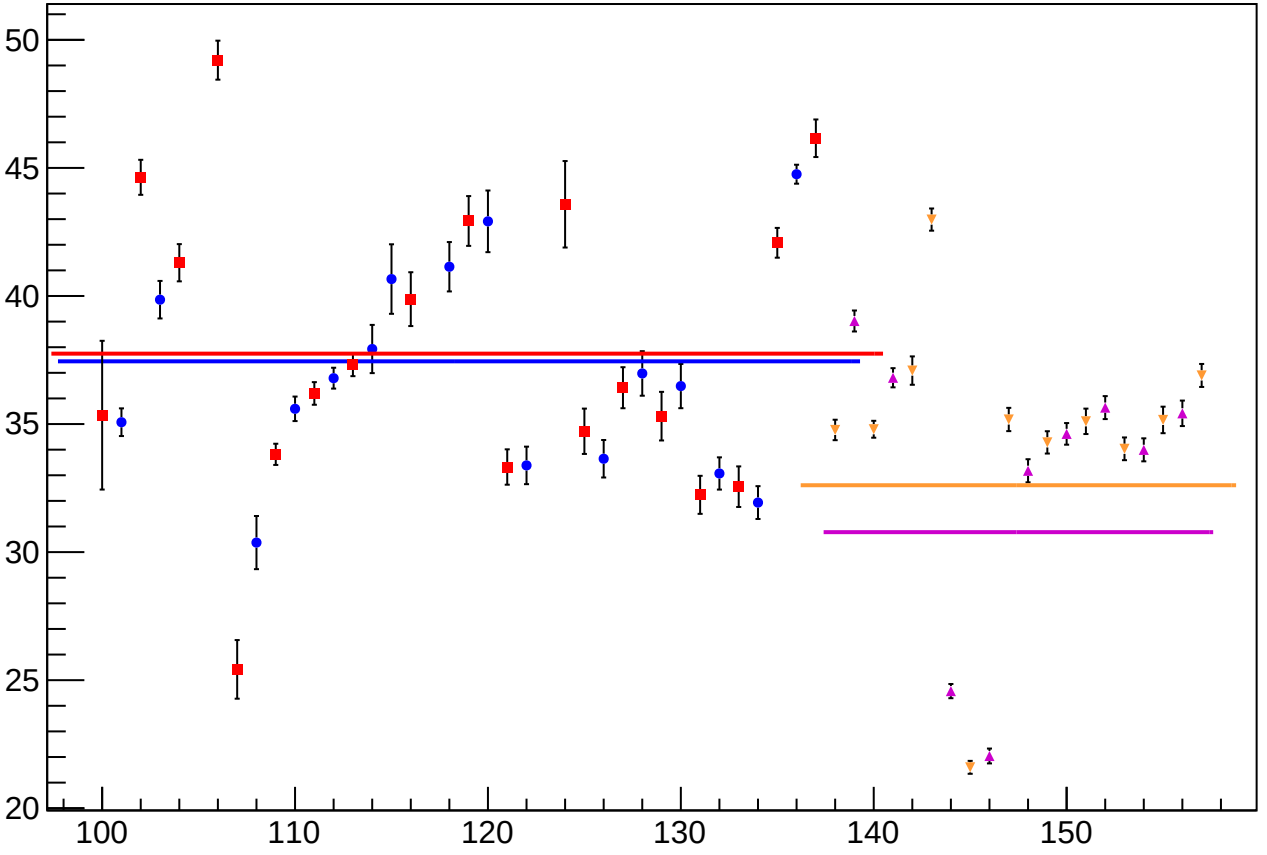
Left In: -1.028+/-0.088 χ^2/NDF:258.4/8

+ sign -1.538+/-0.075 χ^2/NDF: 603.2/26

All: -1.526+/-0.054 χ^2/NDF: 1264.5/54

- sign -1.513+/-0.077 χ^2/NDF: 661.3/27

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.611+/-0.122 χ^2/NDF:2813.1/10

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

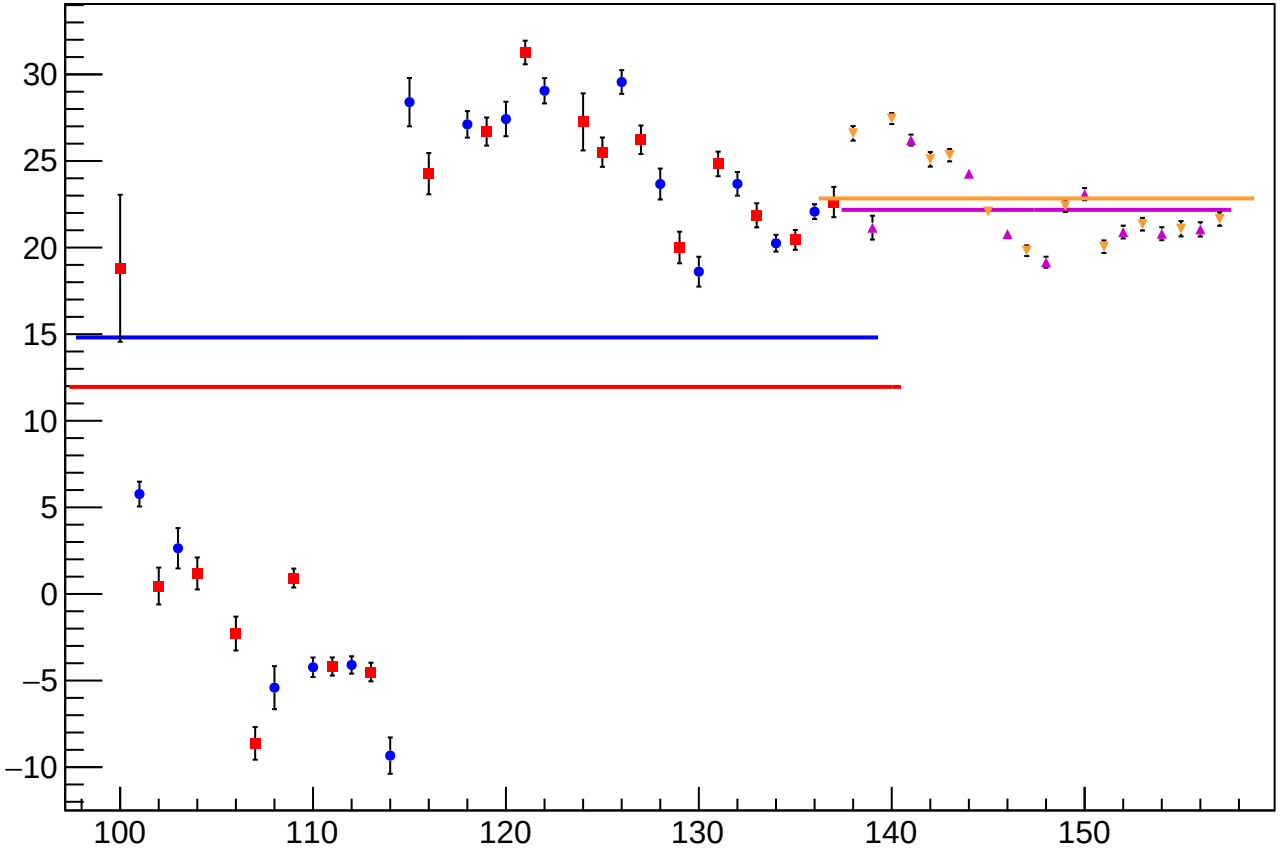
Left In: 30.779+/-0.127 χ^2/NDF:2437.2/8

+ sign 34.371+/-0.097 χ^2/NDF: 4096.4/26

All: 33.933+/-0.069 χ^2/NDF: 8711.7/54

- sign 33.474+/-0.099 χ^2/NDF: 4573.4/27

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.837+/-0.104 χ^2/NDF:575.3/10

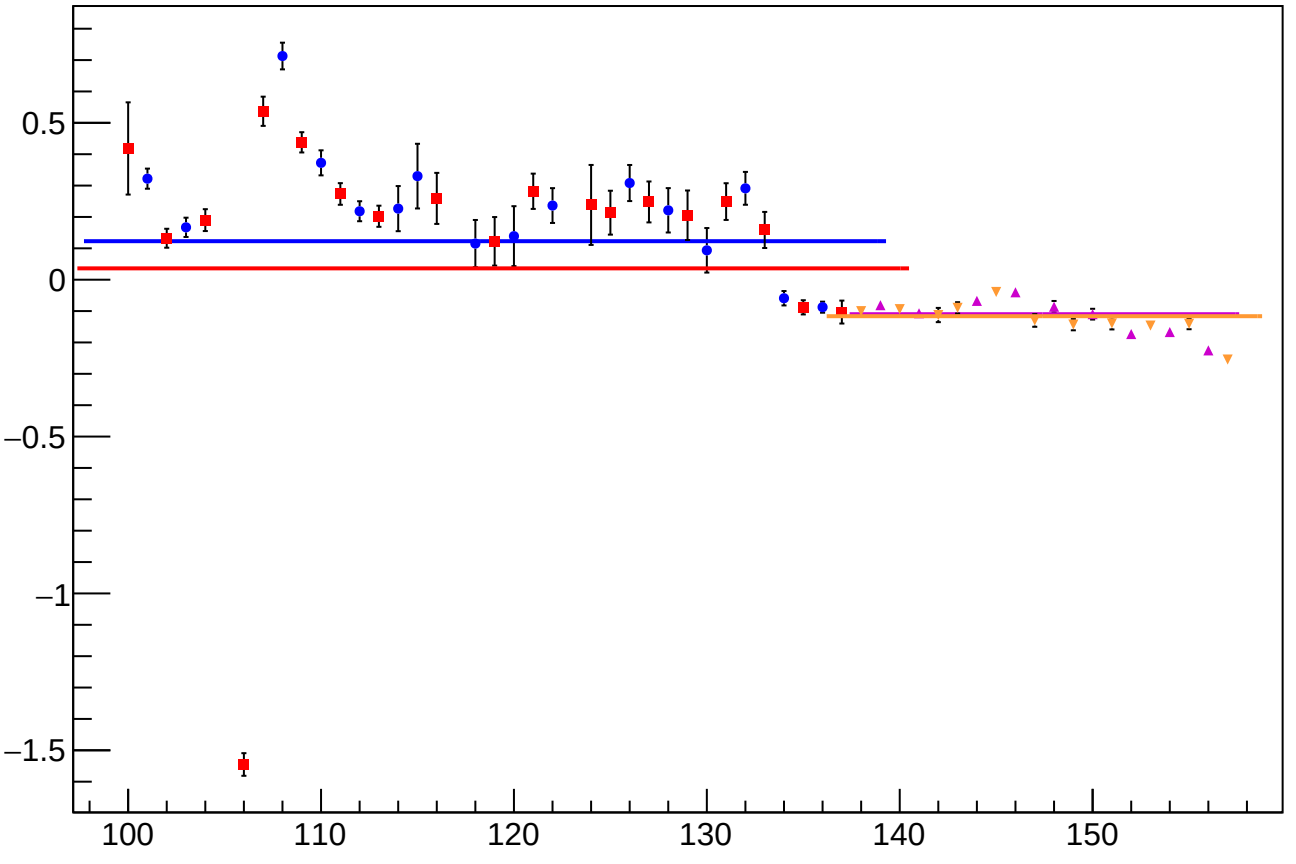
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.178+/-0.106 χ^2/NDF:414.0/8

+ sign 20.733+/-0.089 χ^2/NDF: 7833.4/26

All: 20.117+/-0.064 χ^2/NDF: 16909.3/54

- sign 19.474+/-0.091 χ^2/NDF: 8978.0/27



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.116+/-0.005 χ^2/NDF:163.5/10

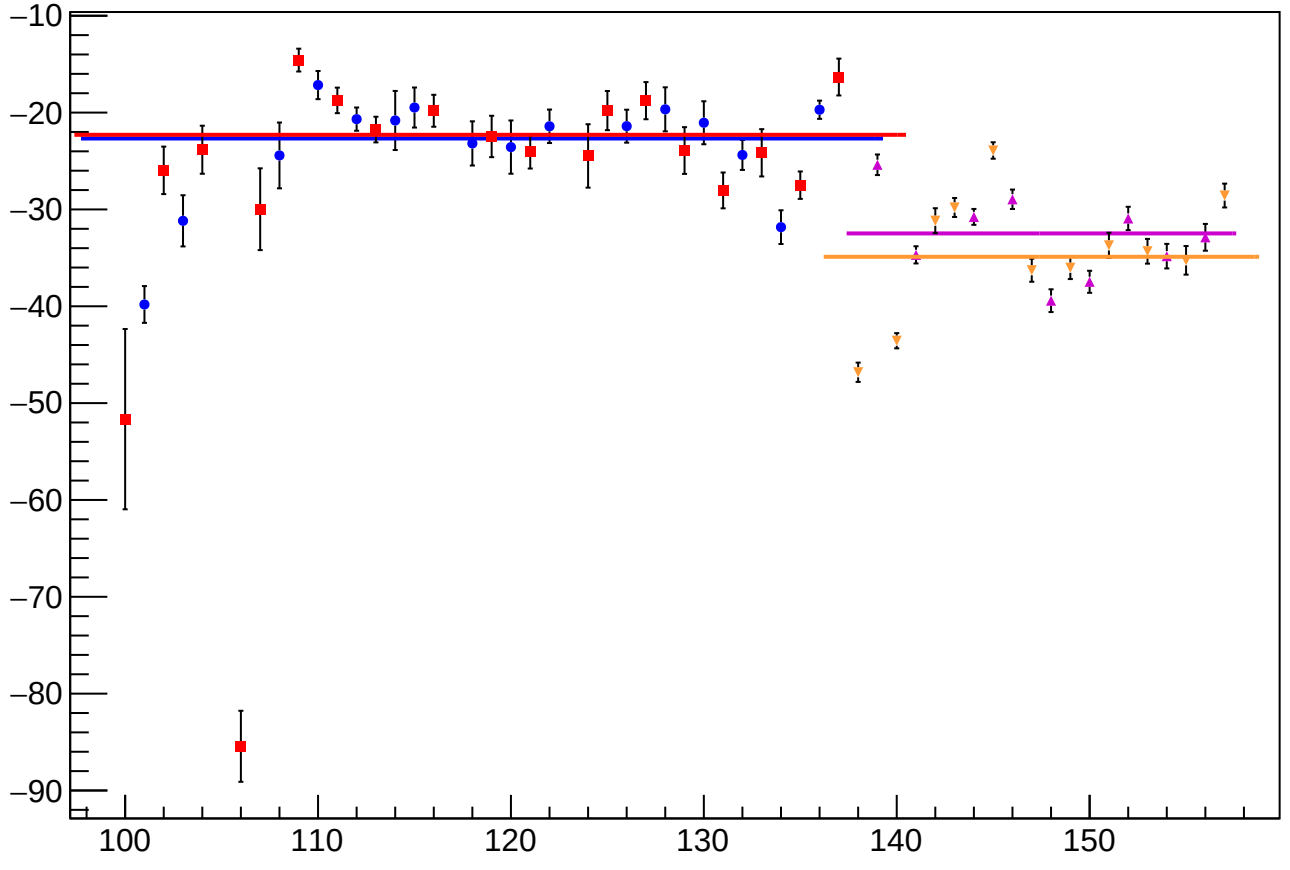
Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.110+/-0.005 χ^2/NDF:130.8/8

+ sign -0.067+/-0.004 χ^2/NDF: 1197.0/26

All: -0.073+/-0.003 χ^2/NDF: 3924.3/54

- sign -0.080+/-0.004 χ^2/NDF: 2723.1/27



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -34.890+/-0.326 χ^2/NDF:496.9/10

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

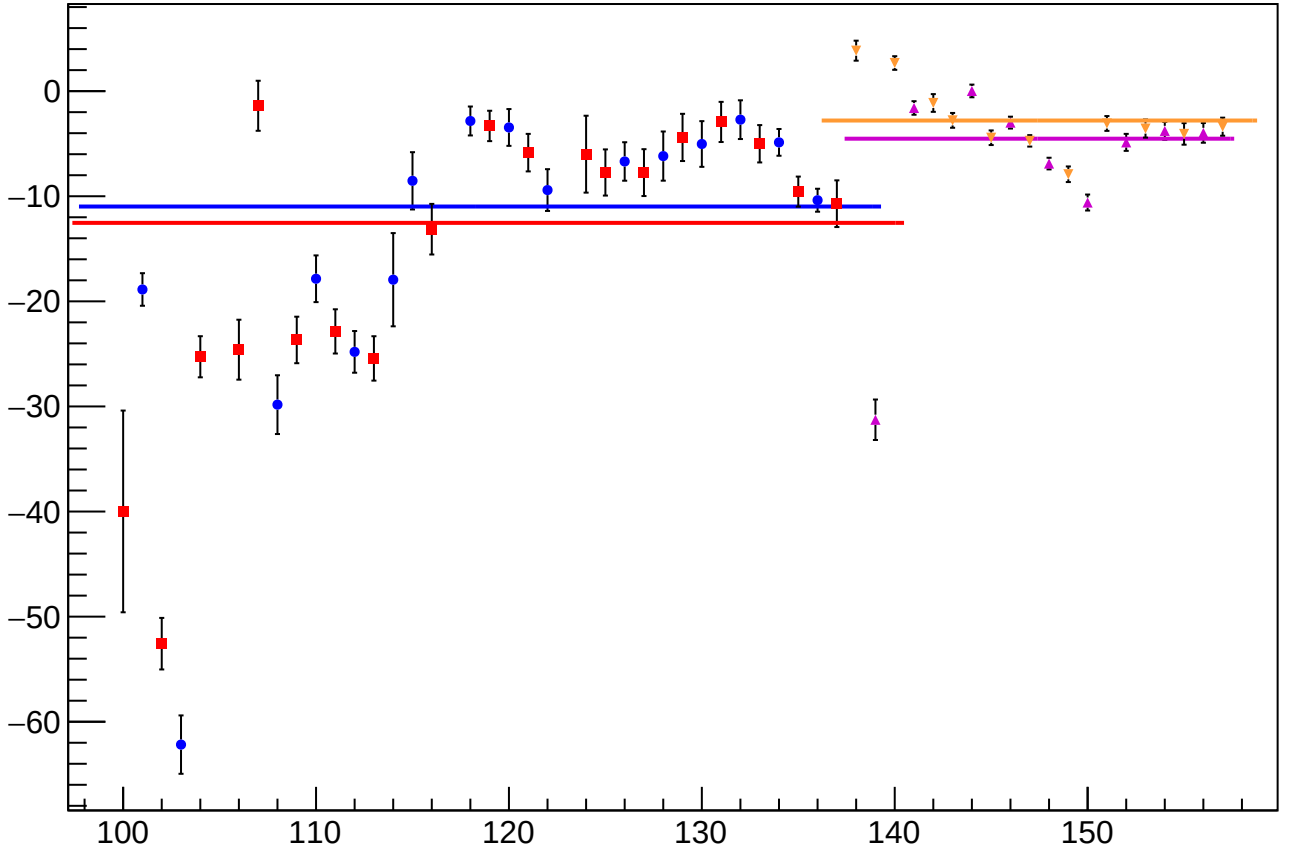
Left In: -32.477+/-0.354 χ^2/NDF:126.7/8

+ sign -30.491+/-0.261 χ^2/NDF: 1157.0/26

All: -29.508+/-0.189 χ^2/NDF: 2048.2/54

- sign -28.416+/-0.275 χ^2/NDF: 861.3/27

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.795+/-0.225 χ^2/NDF:192.2/10

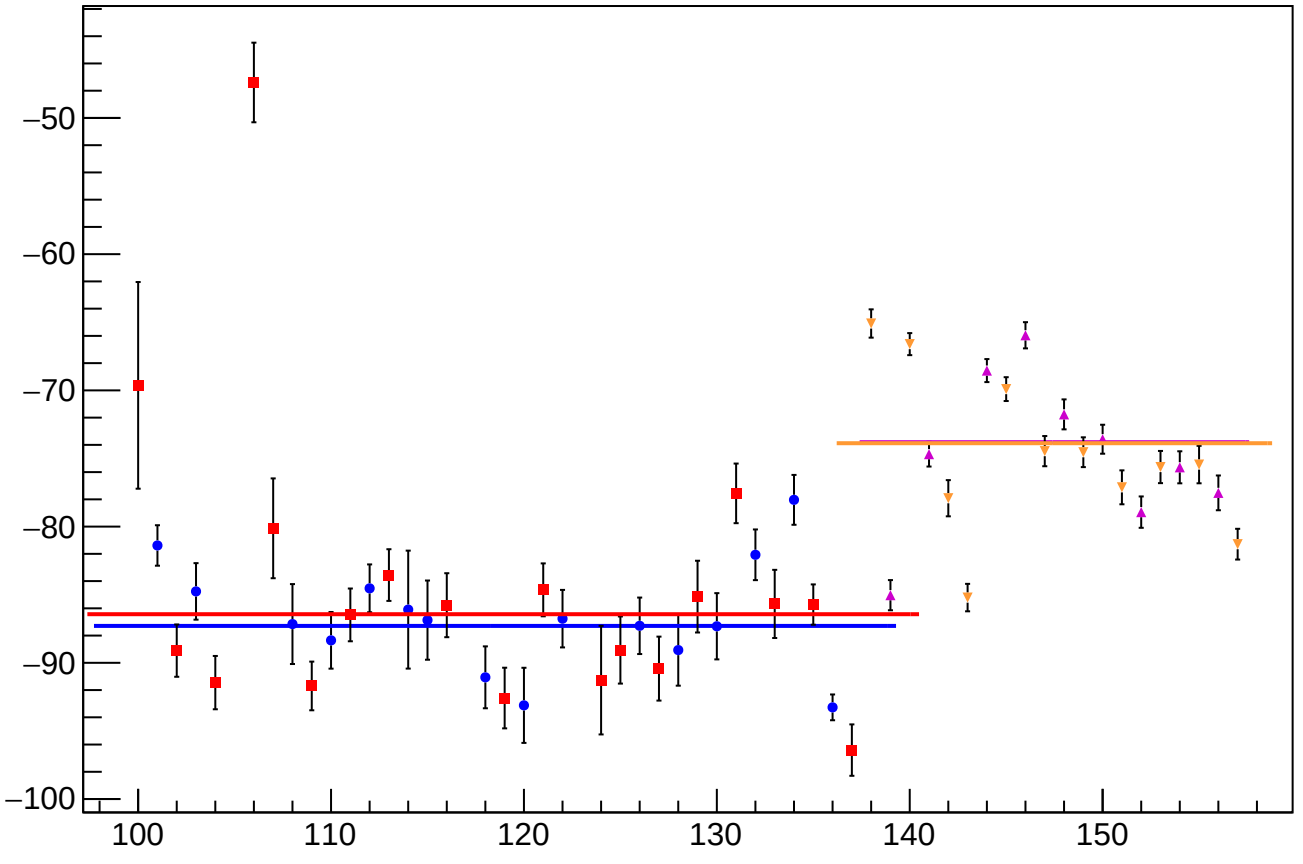
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.524+/-0.239 χ^2/NDF:360.7/8

+ sign -4.410+/-0.201 χ^2/NDF: 1041.0/26

All: -5.207+/-0.147 χ^2/NDF: 2229.7/54

- sign -6.105+/-0.214 χ^2/NDF: 1155.4/27



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.879+/-0.322 χ^2/NDF:362.7/10

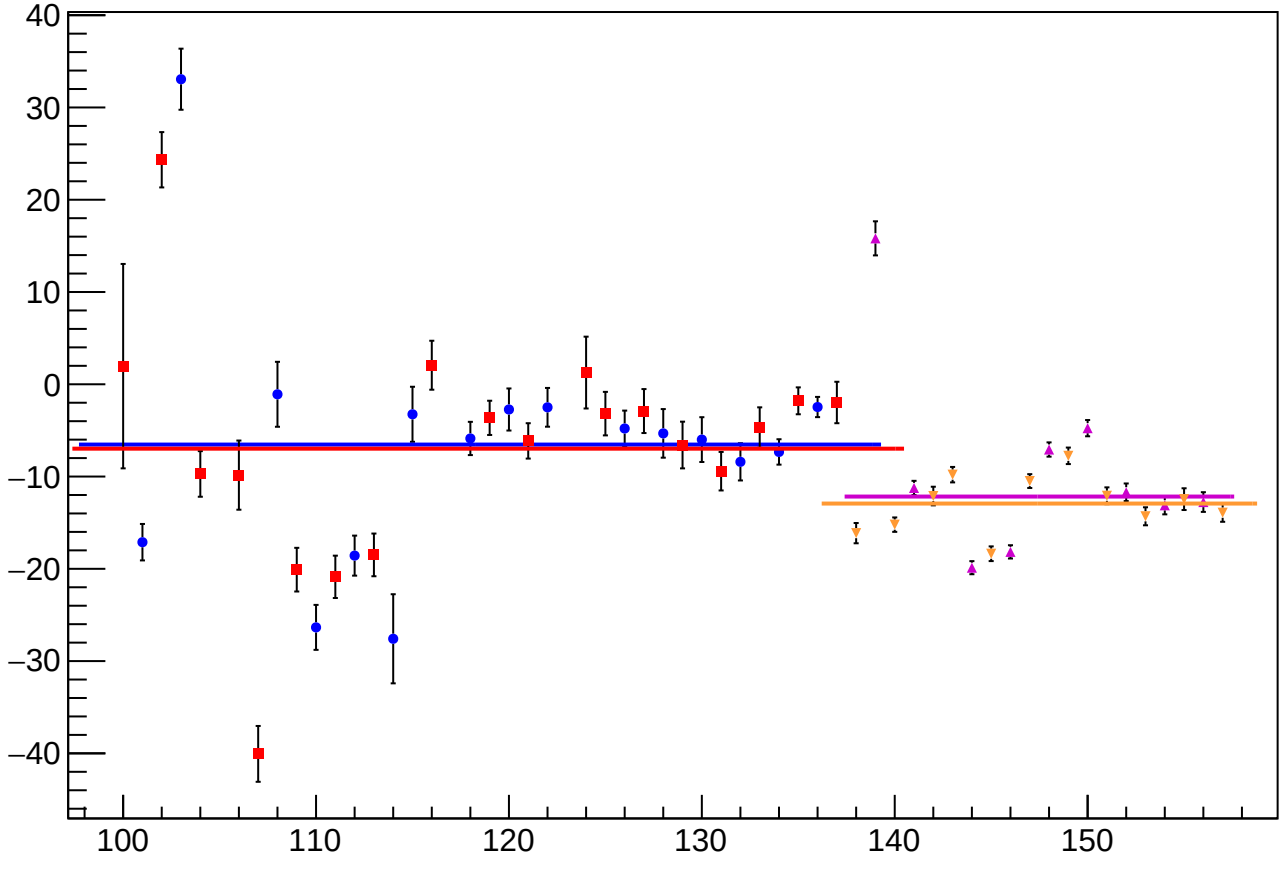
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.802+/-0.347 χ^2/NDF:243.4/8

+ sign -78.036+/-0.268 χ^2/NDF: 1001.3/26

All: -77.945+/-0.195 χ^2/NDF: 1933.6/54

- sign -77.841+/-0.286 χ^2/NDF: 932.0/27



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.928+/-0.272 χ^2/NDF:126.3/10

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

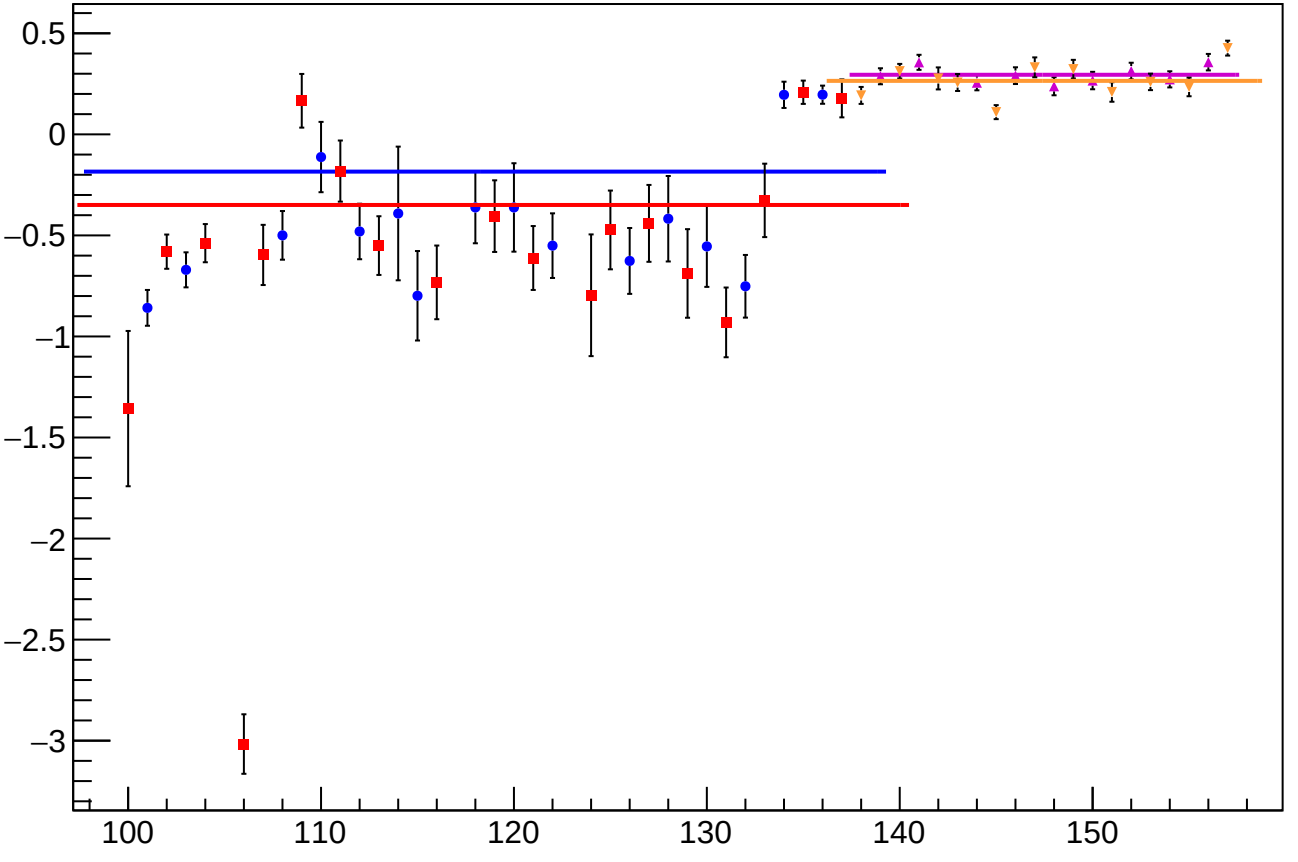
Left In: -12.169+/-0.290 χ^2/NDF:534.2/8

+ sign -11.500+/-0.240 χ^2/NDF: 563.3/26

All: -11.272+/-0.175 χ^2/NDF: 1539.0/54

- sign -11.012+/-0.256 χ^2/NDF: 973.8/27

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.265+/-0.013 χ^2/NDF:49.2/10

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

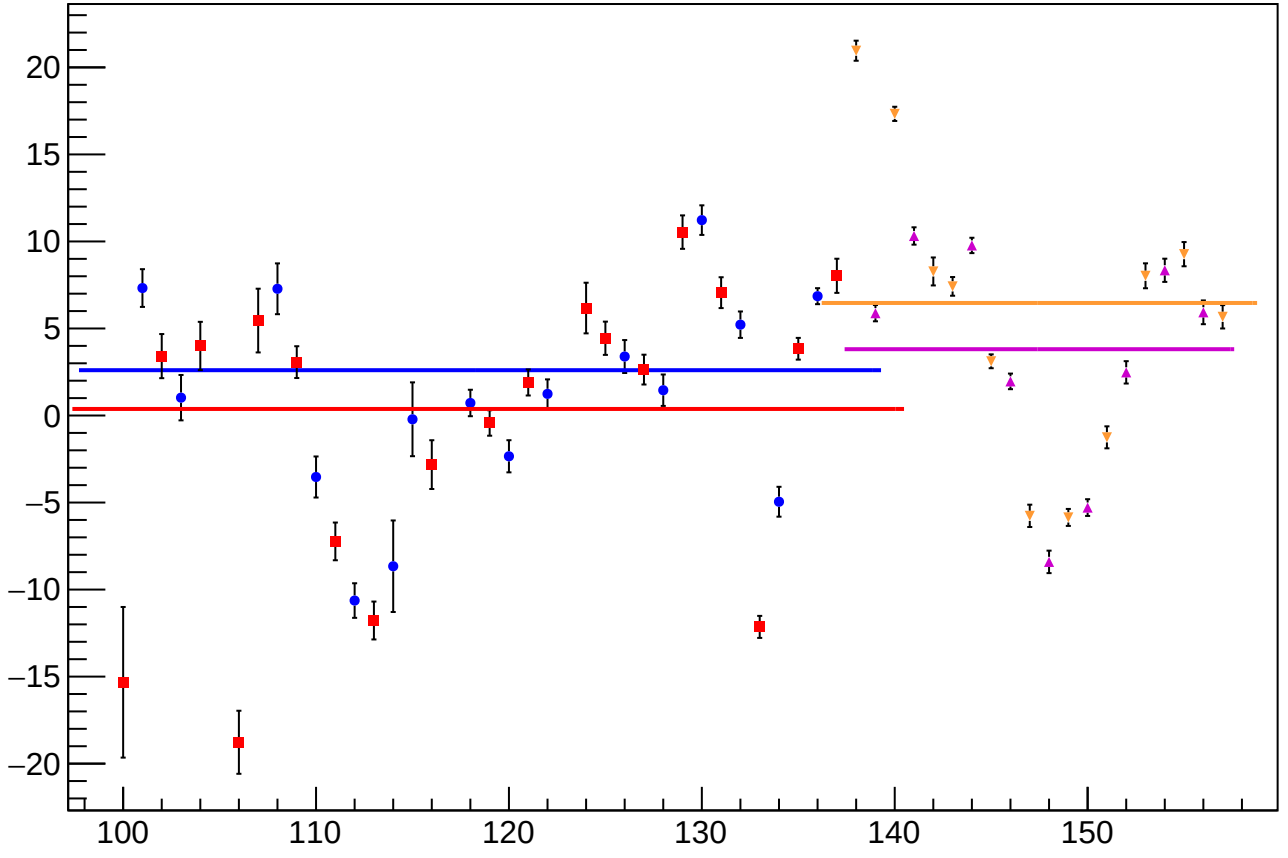
Left In: 0.295+/-0.013 χ^2/NDF:8.8/8

+ sign 0.182+/-0.011 χ^2/NDF: 526.2/26

All: 0.182+/-0.008 χ^2/NDF: 1449.9/54

- sign 0.182+/-0.012 χ^2/NDF: 923.7/27

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.466+/-0.167 χ^2/NDF:2591.2/10

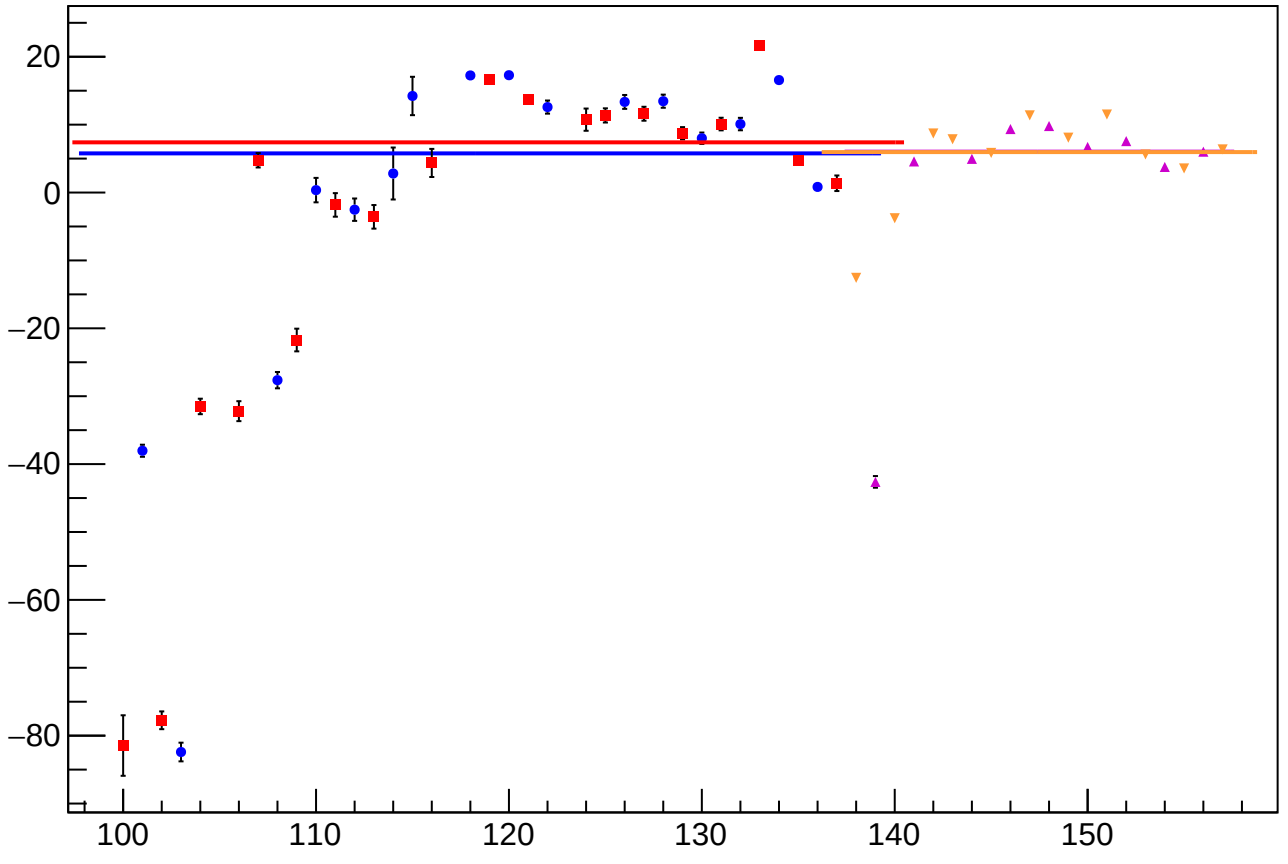
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.810+/-0.176 χ^2/NDF:1166.5/8

+ sign 5.083+/-0.134 χ^2/NDF: 3355.0/26

All: 3.822+/-0.096 χ^2/NDF: 5881.1/54

- sign 2.487+/-0.138 χ^2/NDF: 2344.1/27



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.959+/-0.117 χ^2/NDF:2518.7/10

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

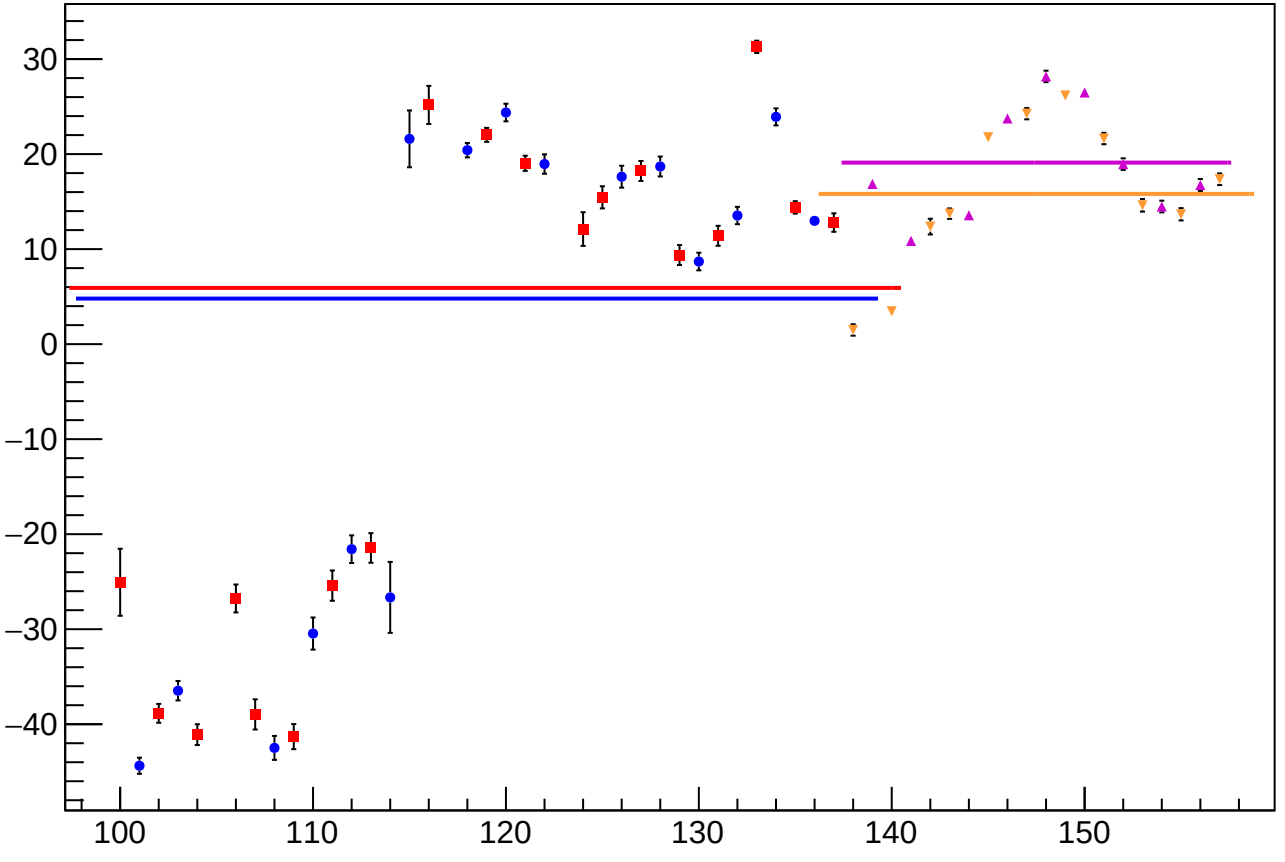
Left In: 6.022+/-0.123 χ^2/NDF:3572.0/8

+ sign 5.914+/-0.102 χ^2/NDF: 11453.1/26

All: 6.136+/-0.073 χ^2/NDF: 23457.6/54

- sign 6.375+/-0.106 χ^2/NDF: 11994.6/27

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.812+/-0.165 χ^2/NDF:2505.0/10

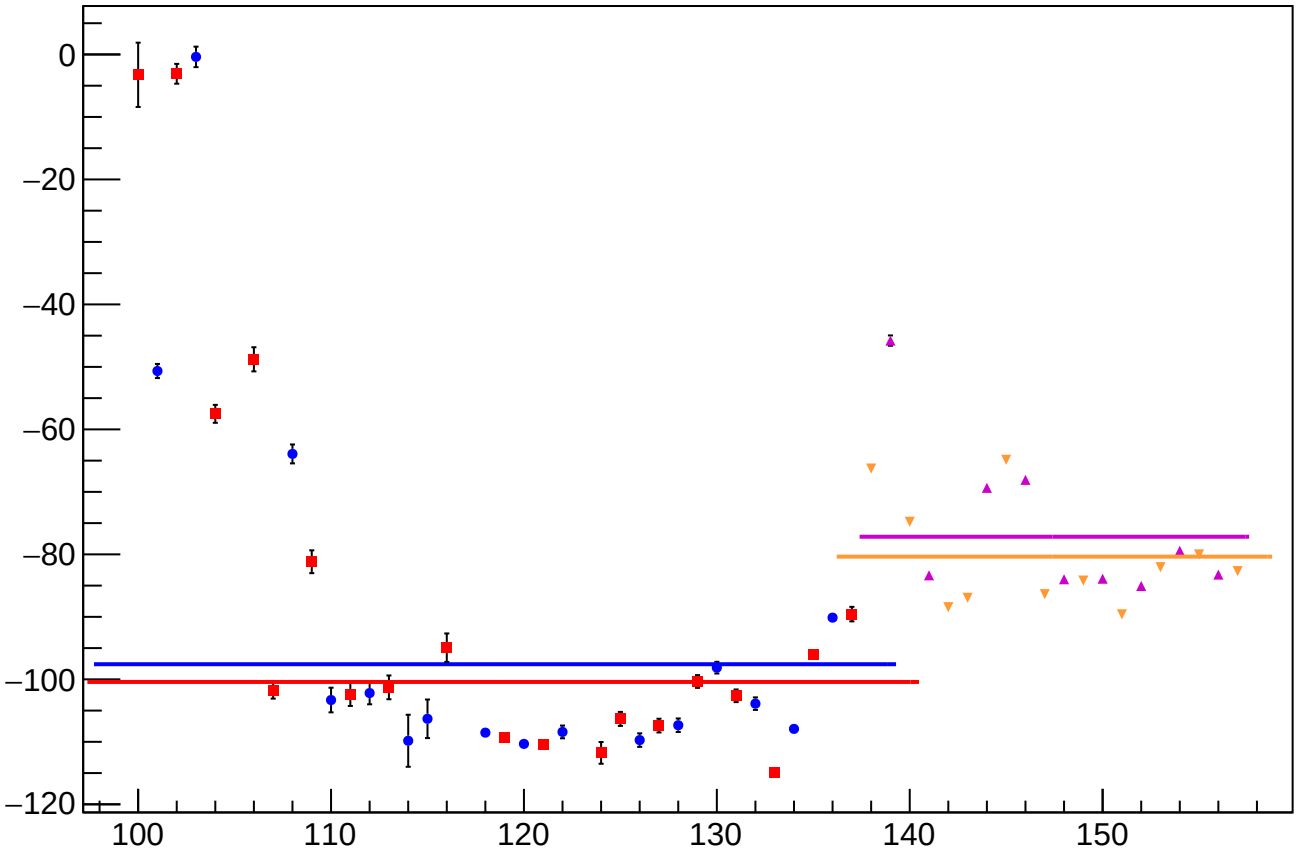
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.105+/-0.172 χ^2/NDF:1110.8/8

+ sign 12.229+/-0.135 χ^2/NDF: 13455.4/26

All: 13.389+/-0.097 χ^2/NDF: 26771.9/54

- sign 14.627+/-0.140 χ^2/NDF: 13164.8/27



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.365+/-0.141 χ^2/NDF:3463.5/10

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

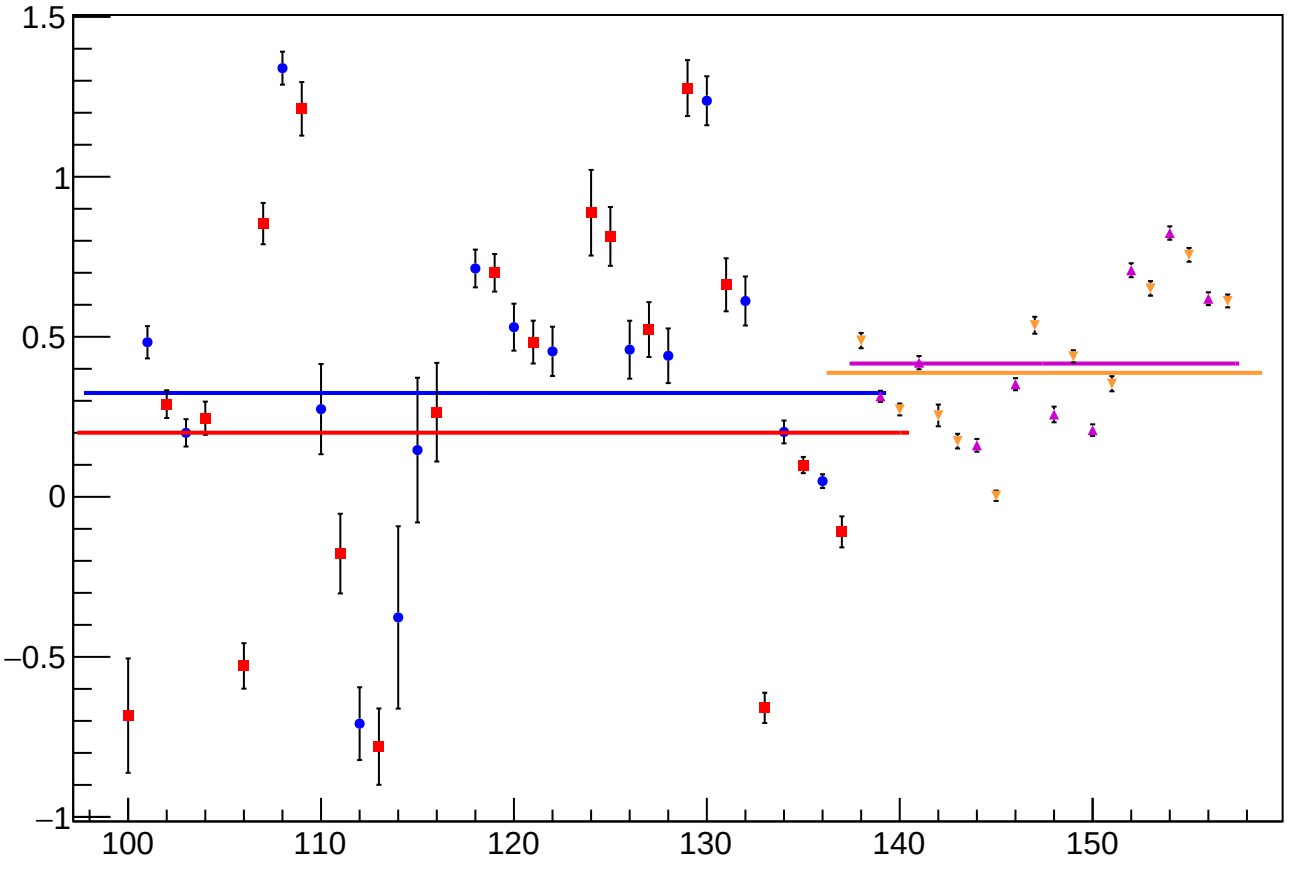
Left In: -77.178+/-0.147 χ^2/NDF:3751.9/8

+ sign -84.719+/-0.122 χ^2/NDF: 14398.6/26

All: -84.132+/-0.087 χ^2/NDF: 32083.6/54

- sign -83.504+/-0.126 χ^2/NDF: 17636.7/27

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.387+/-0.006 χ^2/NDF:1312.2/10

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

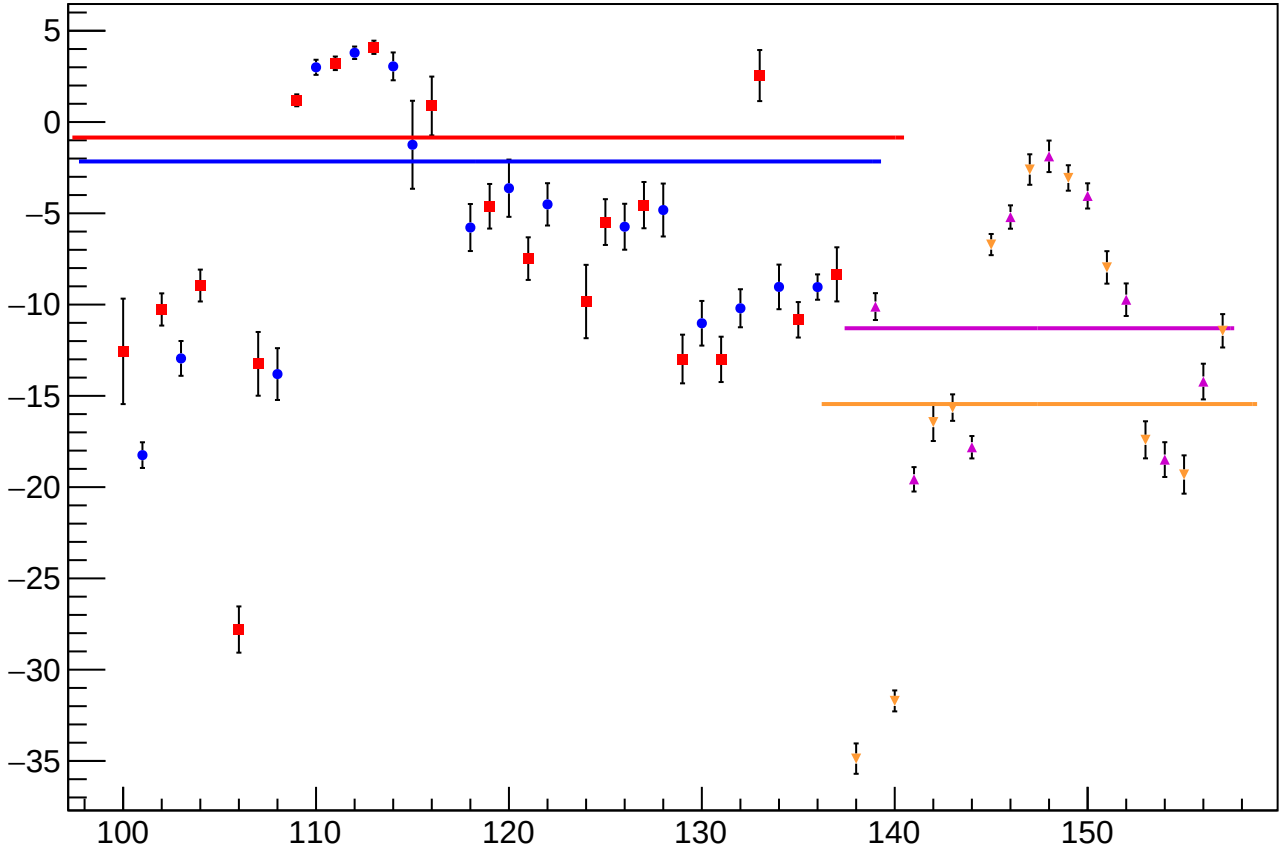
Left In: 0.416+/-0.007 χ^2/NDF:1039.2/8

\+ sign 0.375+/-0.006 χ^2/NDF: 2216.8/26

All: 0.375+/-0.004 χ^2/NDF: 4659.6/54

\- sign 0.376+/-0.006 χ^2/NDF: 2442.8/27

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.448+/-0.235 χ^2/NDF:2234.3/10

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

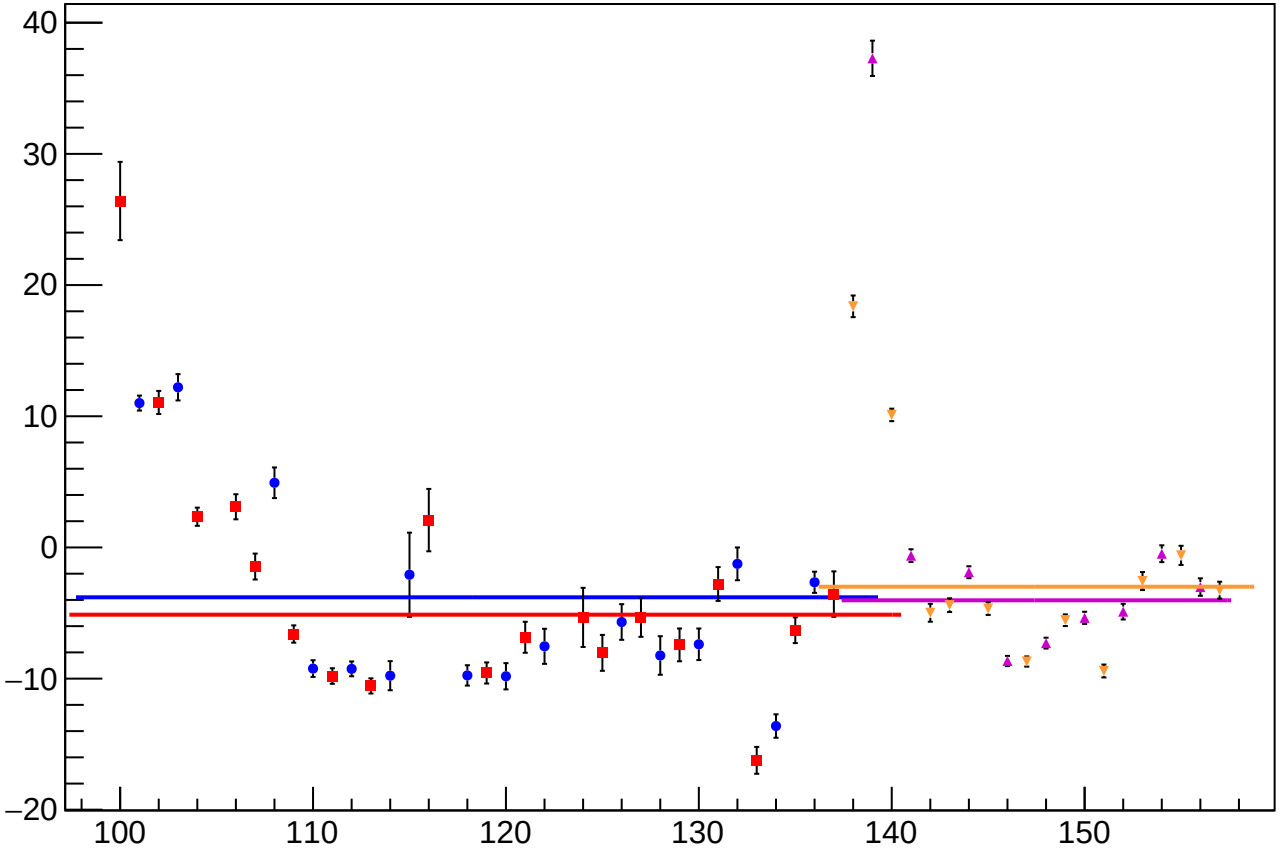
Left In: -11.296+/-0.250 χ^2/NDF:657.4/8

+ sign -7.478+/-0.149 χ^2/NDF: 5643.0/26

All: -5.731+/-0.102 χ^2/NDF: 9221.2/54

- sign -4.166+/-0.141 χ^2/NDF: 3316.5/27

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.994+/-0.162 χ^2/NDF:1879.3/10

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

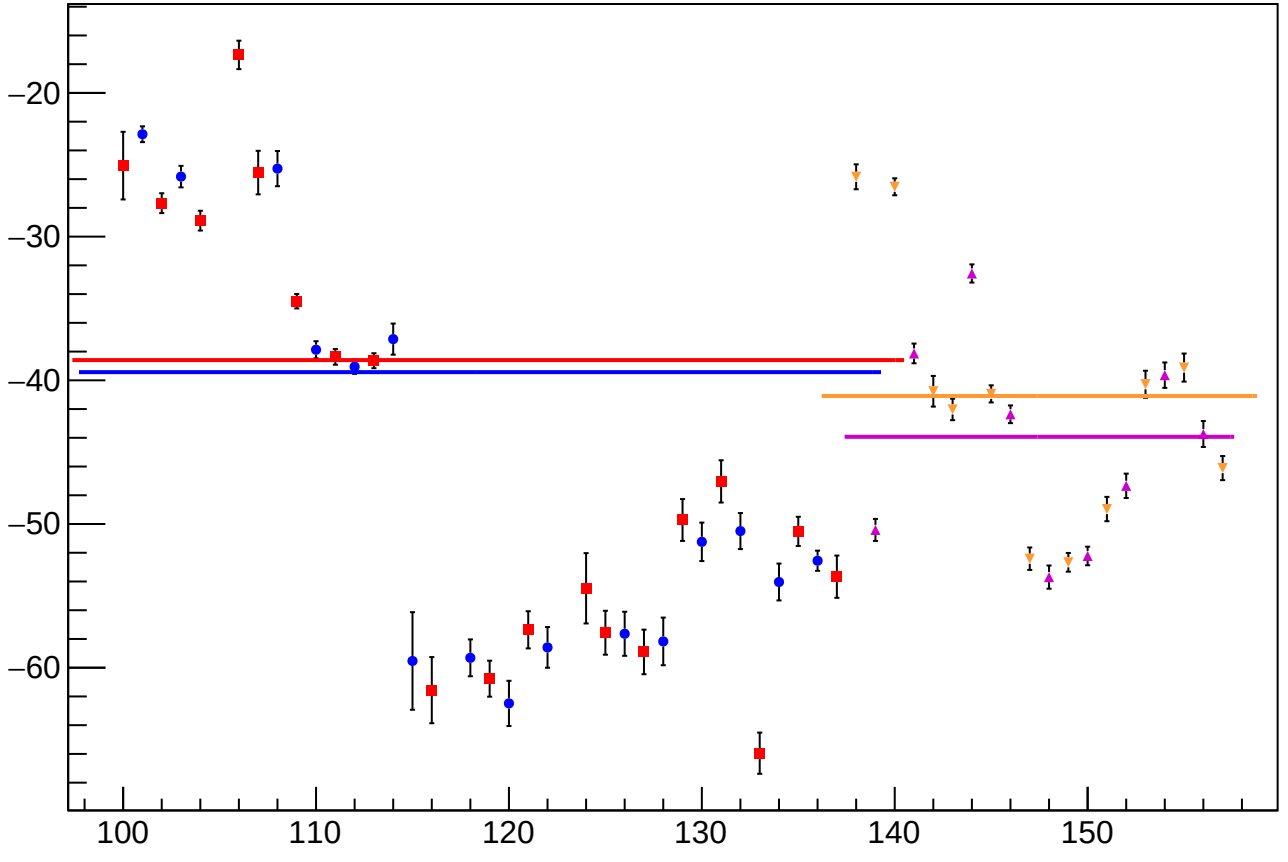
Left In: -4.030+/-0.171 χ^2/NDF:1260.4/8

+ sign -3.268+/-0.132 χ^2/NDF: 3313.2/26

All: -3.843+/-0.094 χ^2/NDF: 5608.9/54

- sign -4.446+/-0.135 χ^2/NDF: 2256.6/27

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -41.091+/-0.231 χ^2/NDF:1571.9/10

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

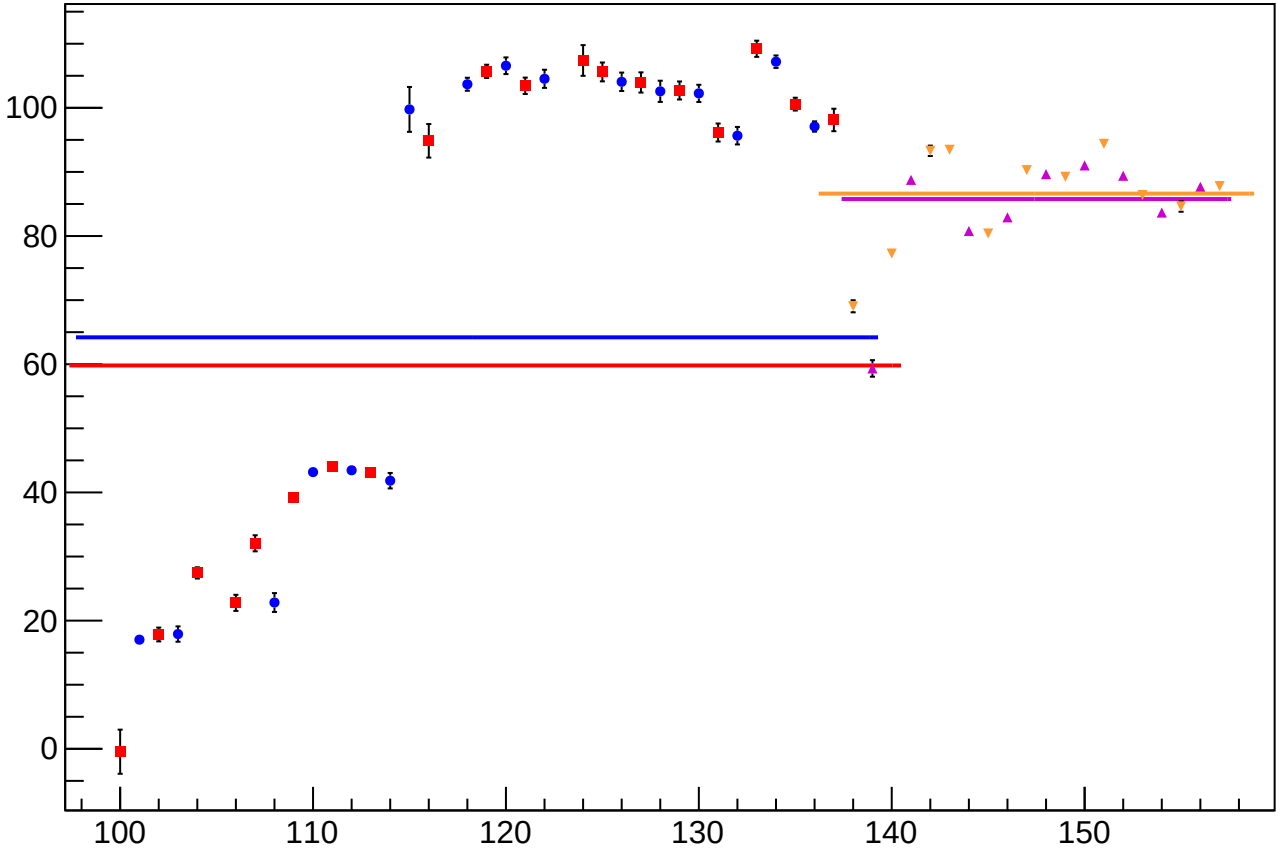
Left In: -43.931+/-0.244 χ^2/NDF:823.4/8

+ sign -40.240+/-0.161 χ^2/NDF: 4556.4/26

All: -40.570+/-0.114 χ^2/NDF: 8432.4/54

- sign -40.896+/-0.160 χ^2/NDF: 3867.7/27

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.620+/-0.196 χ^2/NDF:1161.8/10

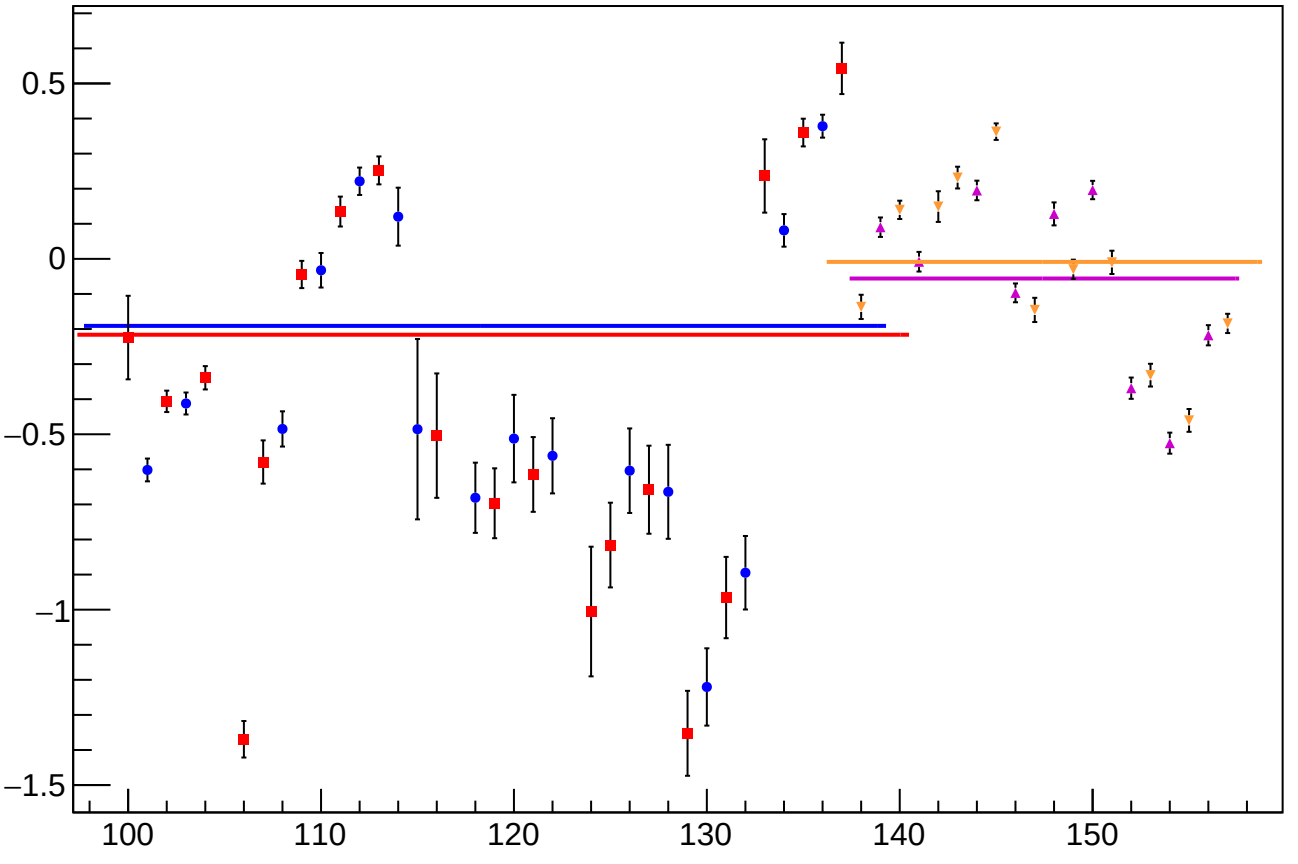
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.770+/-0.206 χ^2/NDF:750.9/8

+ sign 78.402+/-0.156 χ^2/NDF: 24562.6/26

All: 76.829+/-0.111 χ^2/NDF: 49412.5/54

- sign 75.200+/-0.159 χ^2/NDF: 24642.7/27



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.009+/-0.009 χ^2/NDF:717.0/10

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

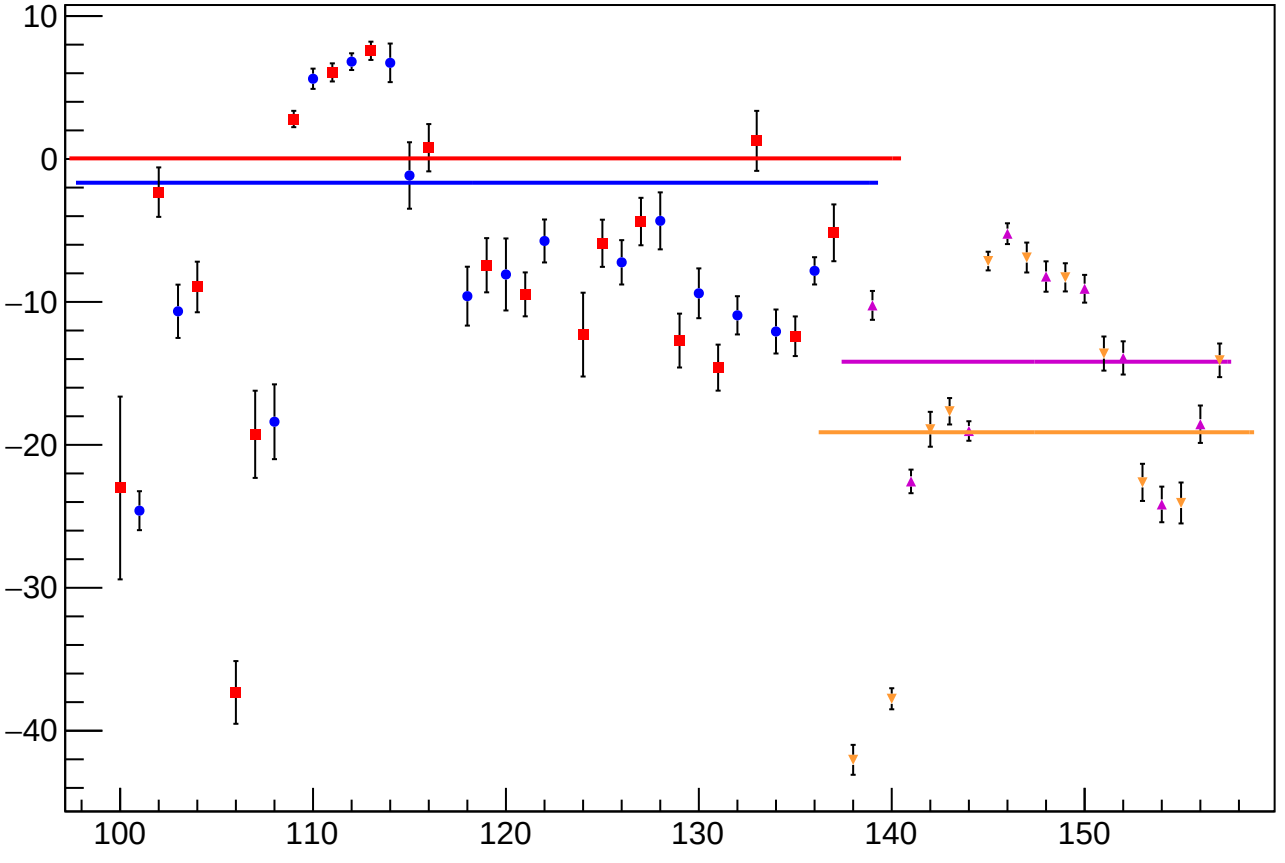
Left In: -0.056+/-0.010 χ^2/NDF:621.1/8

+ sign -0.066+/-0.008 χ^2/NDF: 1761.4/26

All: -0.089+/-0.005 χ^2/NDF: 3868.3/54

- sign -0.112+/-0.008 χ^2/NDF: 2088.8/27

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.118+/-0.296 χ^2/NDF:1774.8/10

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

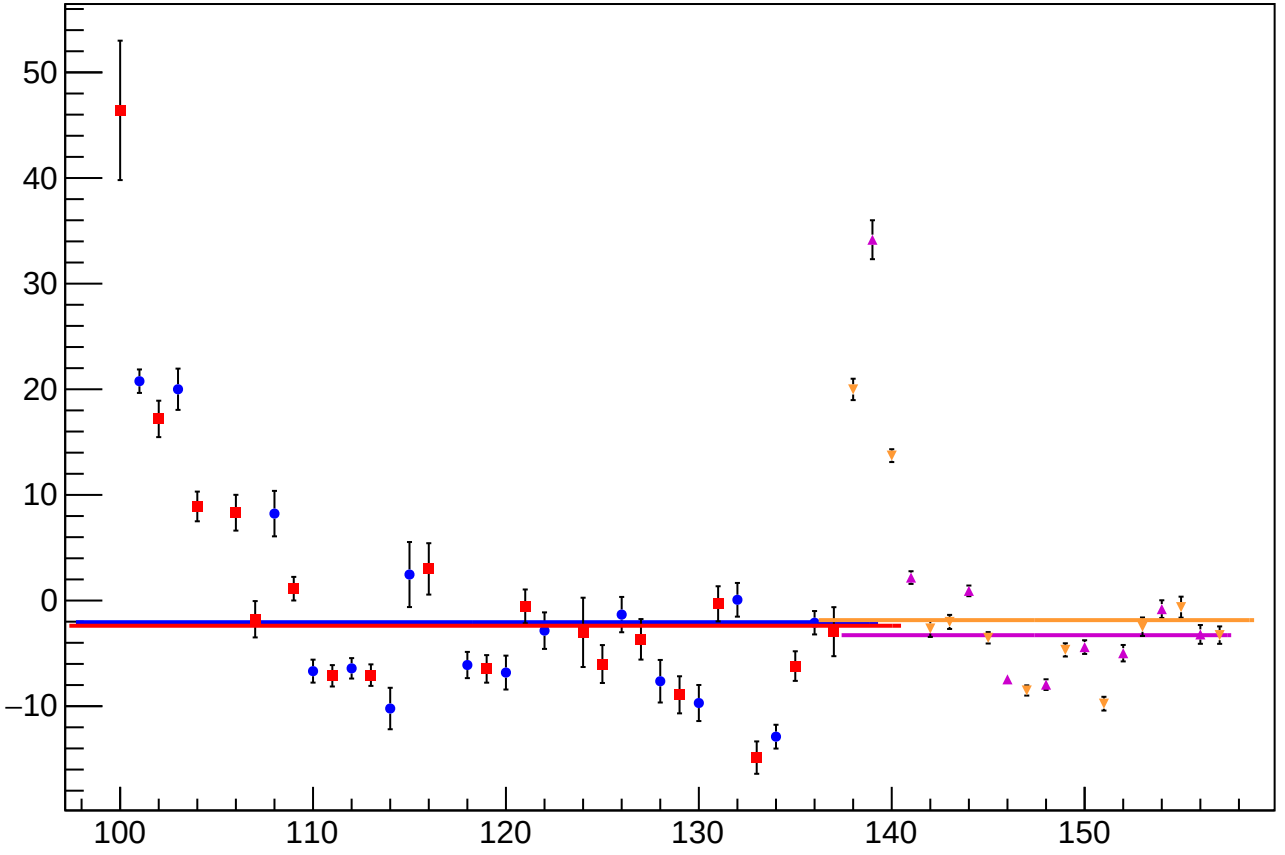
Left In: -14.184+/-0.310 χ^2/NDF:454.8/8

+ sign -10.729+/-0.214 χ^2/NDF: 4343.0/26

All: -8.511+/-0.149 χ^2/NDF: 7092.0/54

- sign -6.395+/-0.209 χ^2/NDF: 2538.2/27

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.854+/-0.204 χ^2/NDF:1496.1/10

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

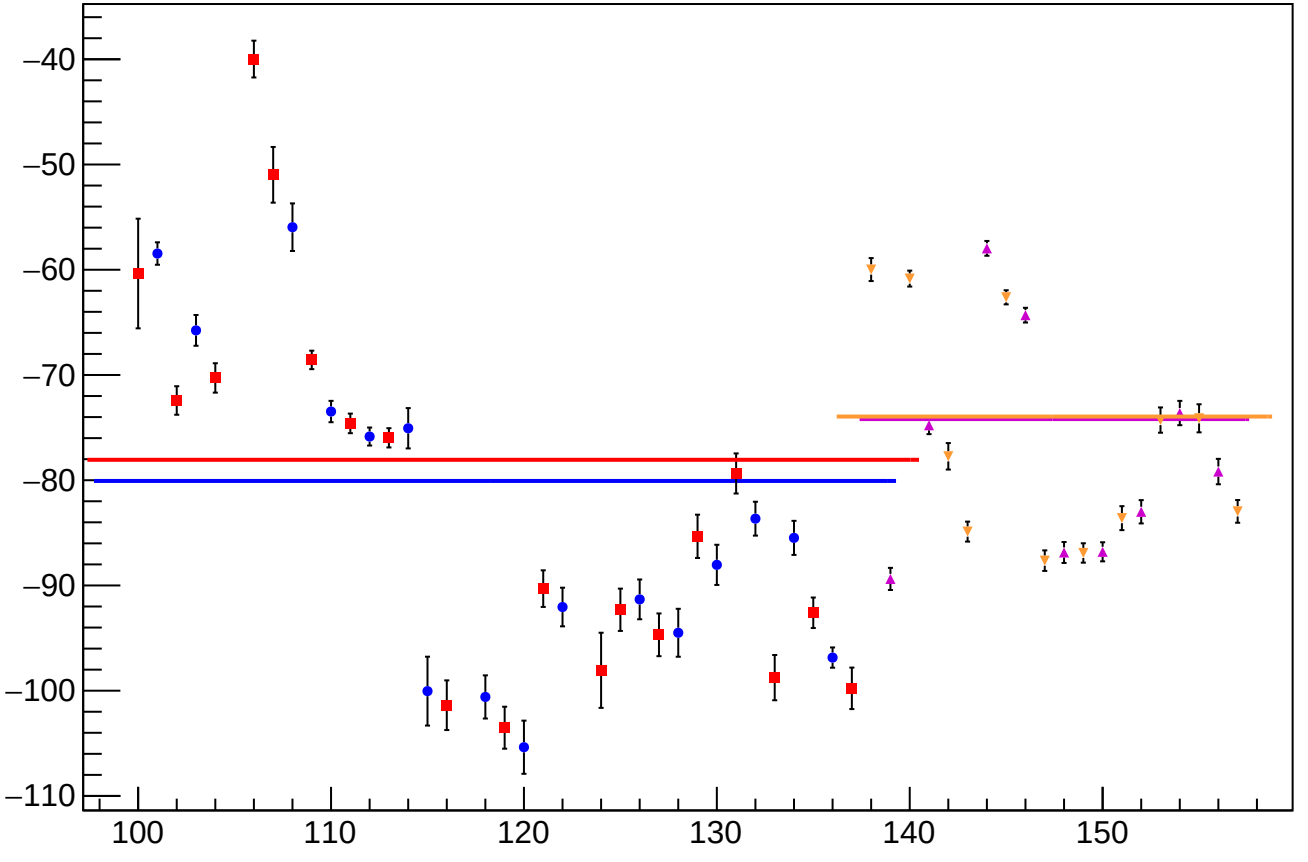
Left In: -3.280+/-0.208 χ^2/NDF:761.2/8

+ sign -1.903+/-0.177 χ^2/NDF: 2268.2/26

All: -2.469+/-0.126 χ^2/NDF: 3505.8/54

- sign -3.051+/-0.180 χ^2/NDF: 1216.9/27

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.949+/-0.293 χ^2/NDF:1425.8/10

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

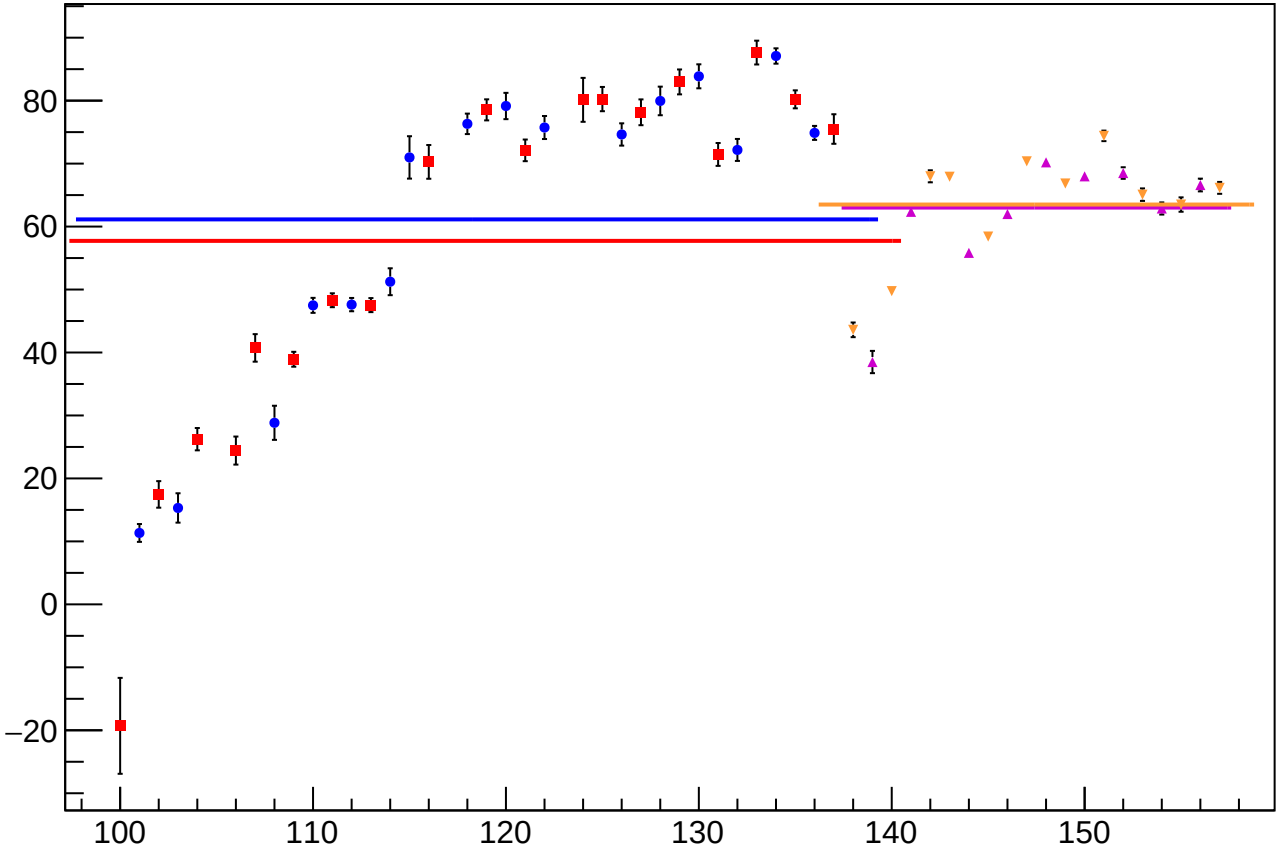
Left In: -74.189+/-0.304 χ^2/NDF:1375.9/8

+ sign -76.352+/-0.228 χ^2/NDF: 2984.3/26

All: -76.094+/-0.162 χ^2/NDF: 5992.9/54

- sign -75.833+/-0.230 χ^2/NDF: 3006.1/27

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.498+/-0.248 χ^2/NDF:1074.7/10

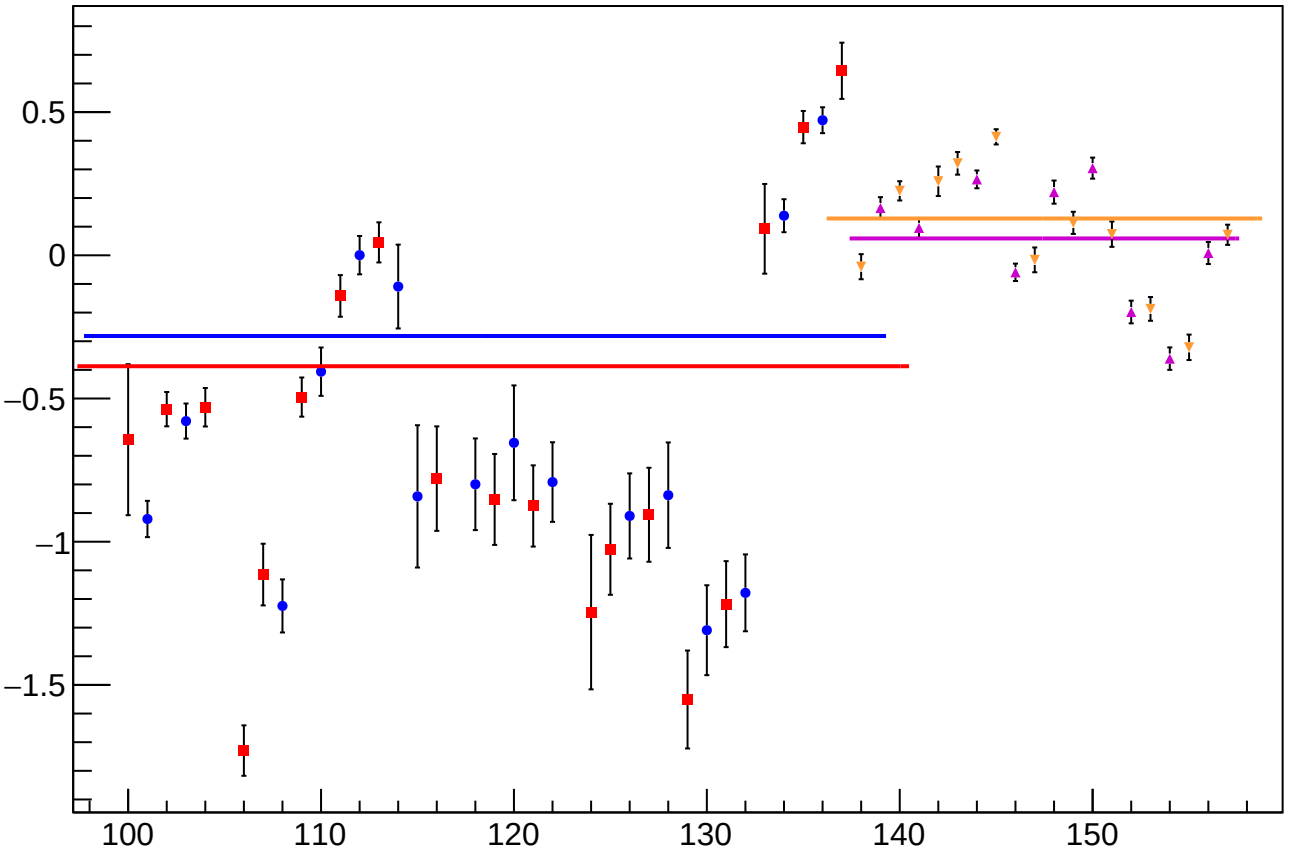
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.016+/-0.253 χ^2/NDF:542.1/8

+ sign 62.846+/-0.211 χ^2/NDF: 4329.1/26

All: 62.186+/-0.150 χ^2/NDF: 7791.6/54

- sign 61.505+/-0.214 χ^2/NDF: 3442.5/27



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.129+/-0.012 χ^2/NDF:343.6/10

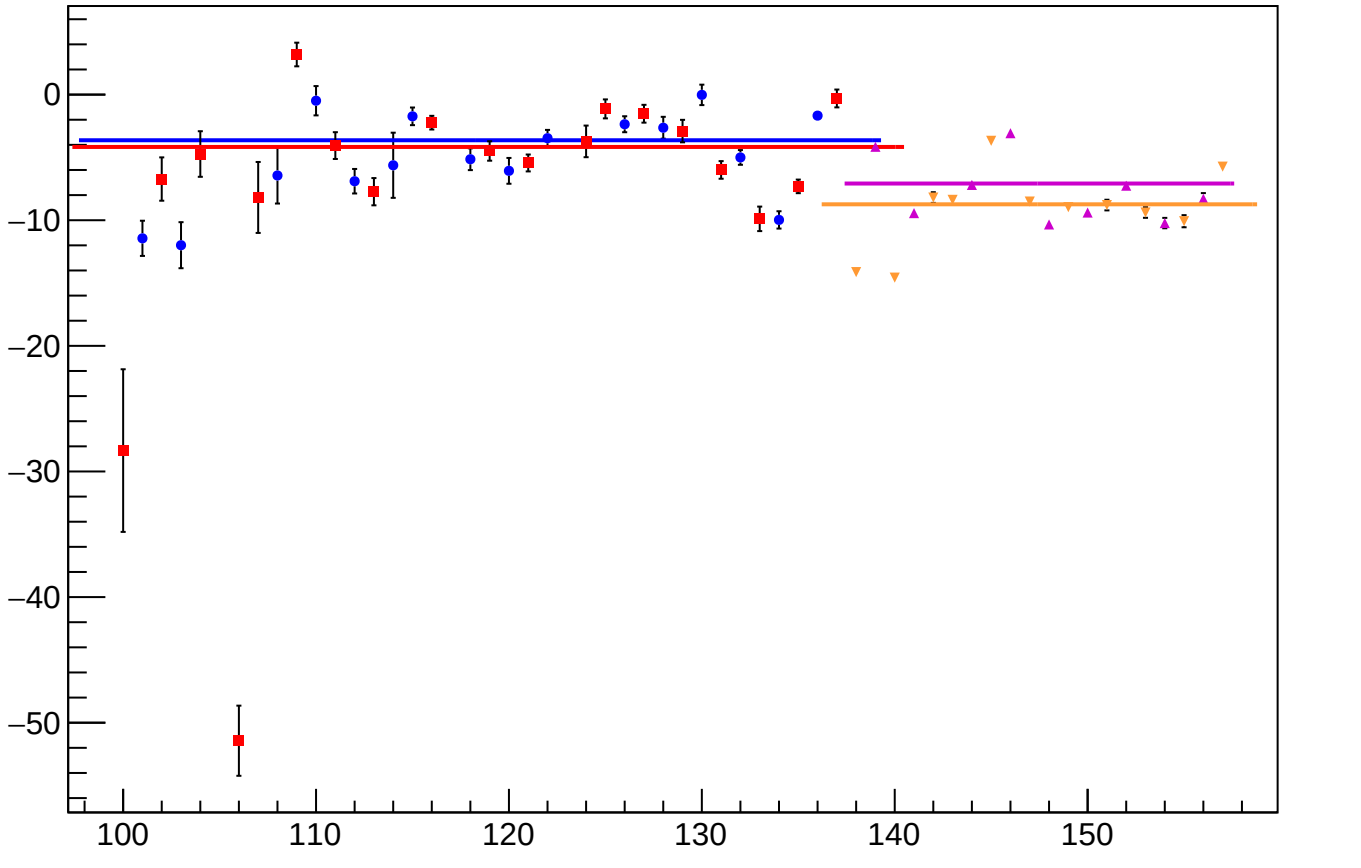
Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.059+/-0.012 χ^2/NDF:287.1/8

+ sign 0.037+/-0.010 χ^2/NDF: 1351.3/26

All: -0.002+/-0.007 χ^2/NDF: 2806.7/54

- sign -0.044+/-0.011 χ^2/NDF: 1425.0/27



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.733+/-0.102 χ^2/NDF:1336.5/10

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

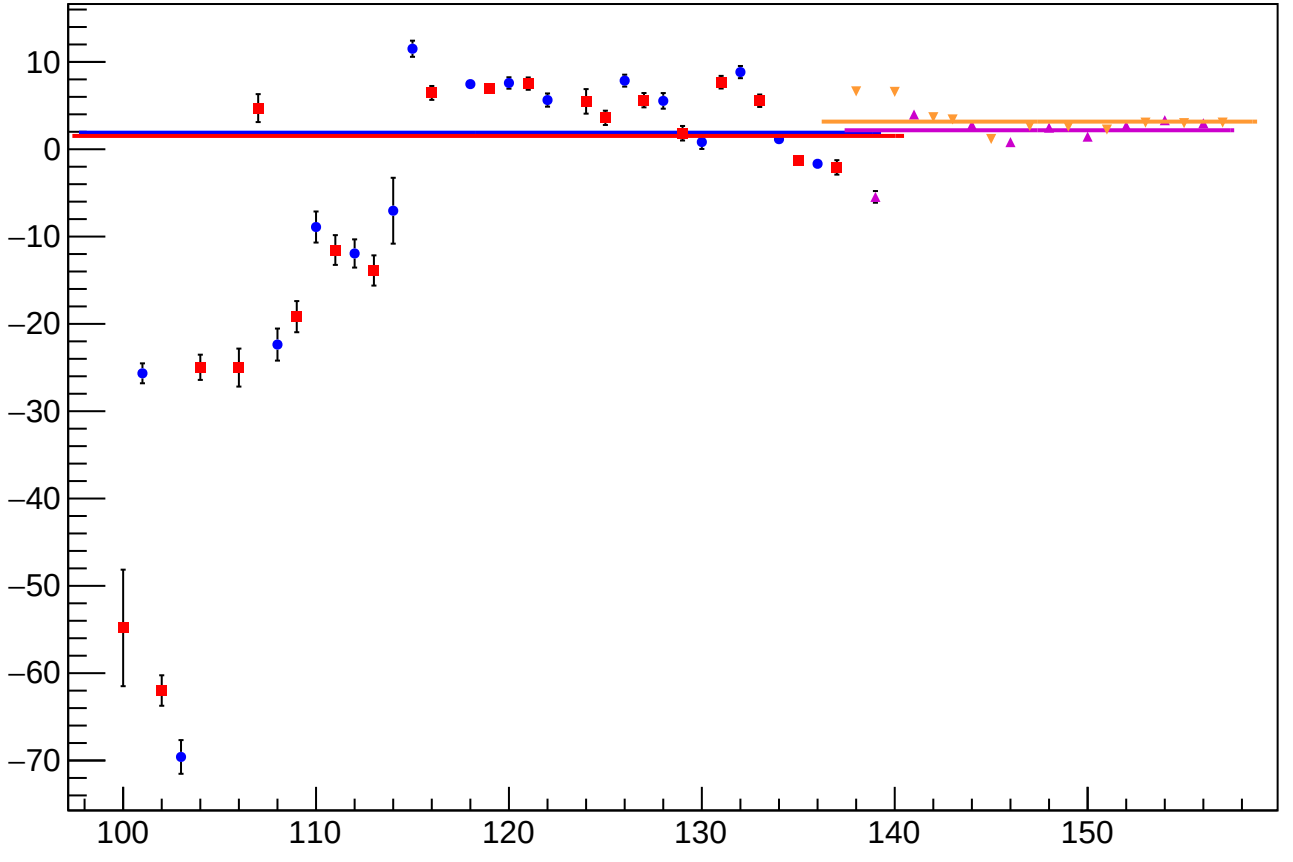
Left In: -7.078+/-0.106 χ^2/NDF:618.5/8

+ sign -7.581+/-0.090 χ^2/NDF: 2134.5/26

All: -7.033+/-0.065 χ^2/NDF: 3526.5/54

- sign -6.441+/-0.093 χ^2/NDF: 1314.6/27

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.166+/-0.071 χ^2/NDF:507.4/10

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

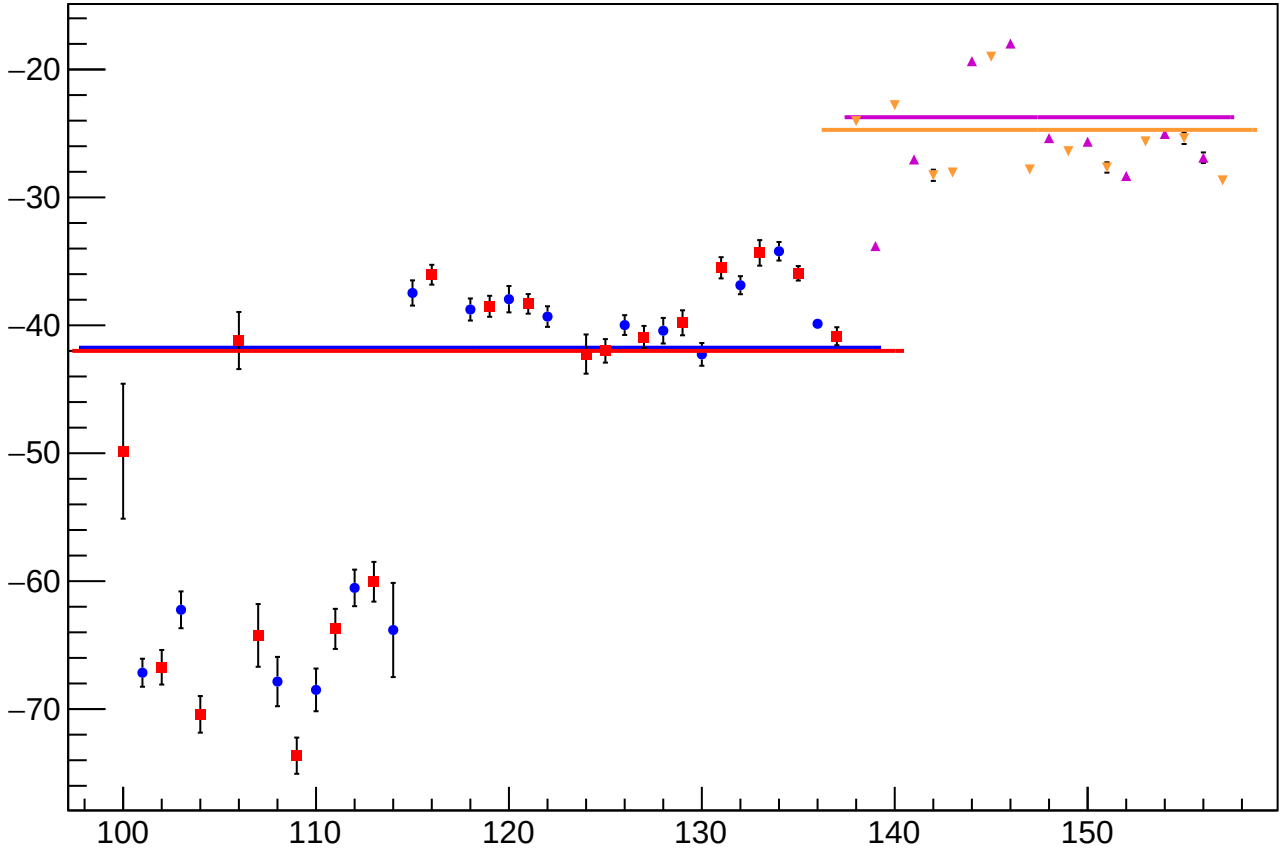
Left In: 2.175+/-0.071 χ^2/NDF:350.9/8

+ sign 3.010+/-0.066 χ^2/NDF: 3385.0/26

All: 2.563+/-0.047 χ^2/NDF: 6396.0/54

- sign 2.108+/-0.067 χ^2/NDF: 2919.4/27

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.721+/-0.101 χ^2/NDF:1174.7/10

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

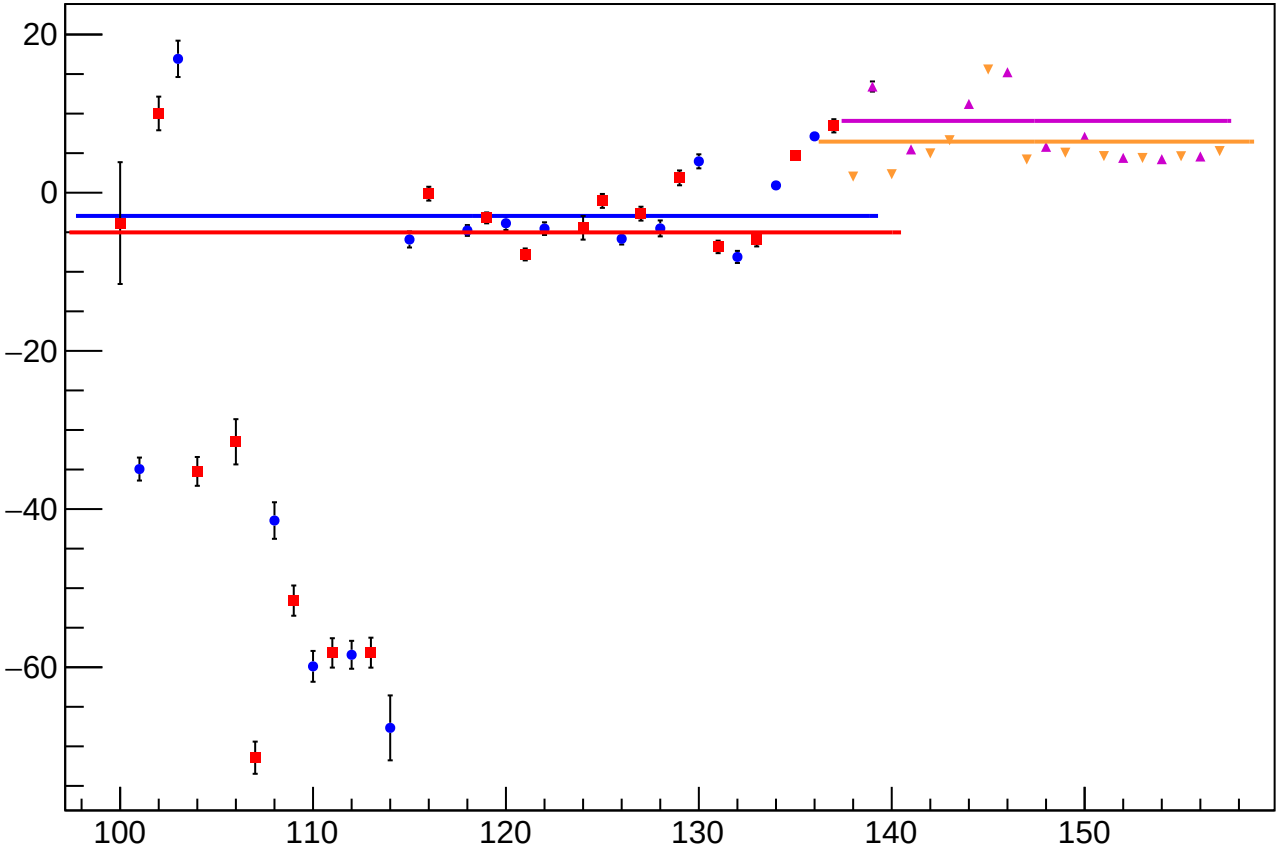
Left In: -23.732+/-0.103 χ^2/NDF:2106.3/8

+ sign -27.984+/-0.091 χ^2/NDF: 8247.4/26

All: -27.433+/-0.065 χ^2/NDF: 17729.1/54

- sign -26.841+/-0.094 χ^2/NDF: 9405.5/27

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.458+/-0.086 χ^2/NDF:2645.8/10

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

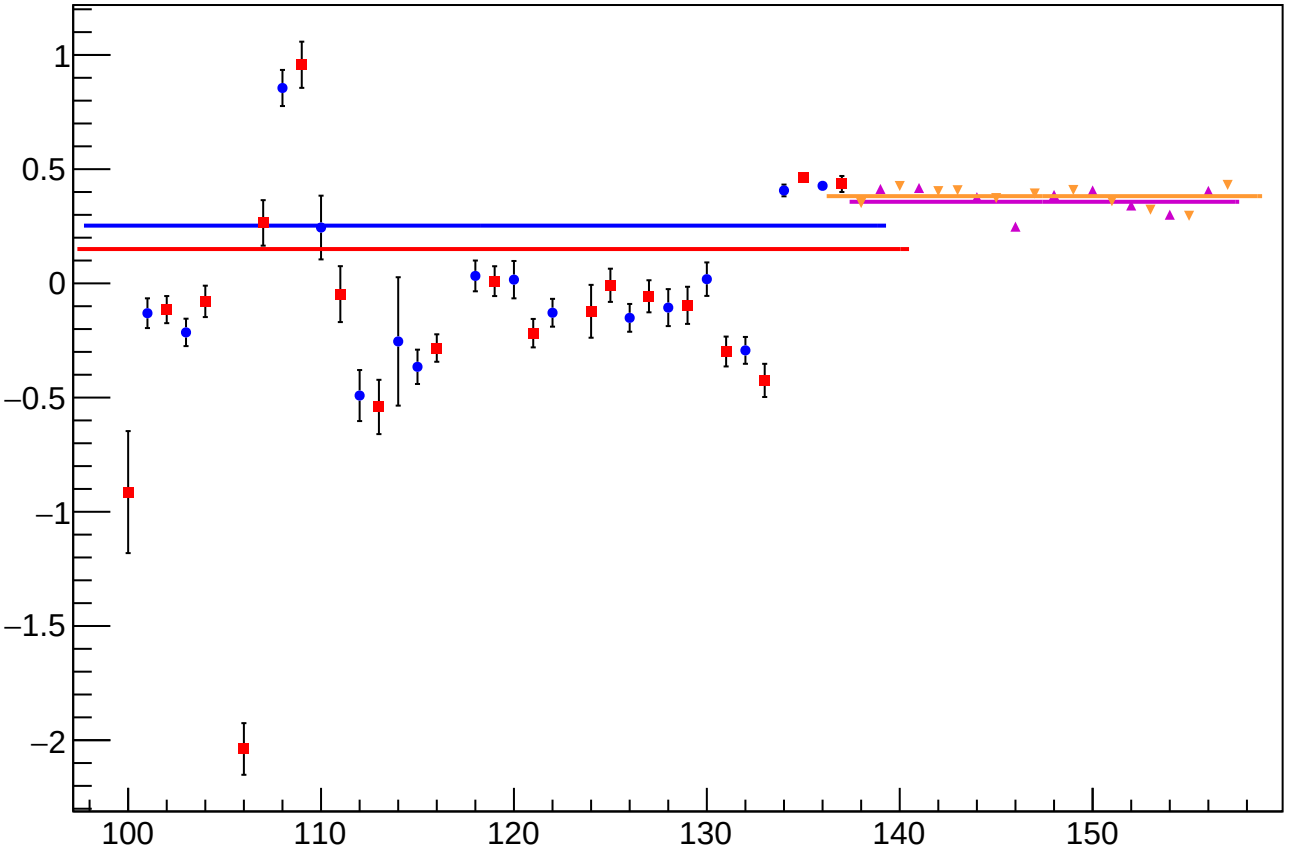
Left In: 9.079+/-0.086 χ^2/NDF:2488.0/8

+ sign 5.117+/-0.079 χ^2/NDF: 8092.4/26

All: 6.230+/-0.056 χ^2/NDF: 18611.4/54

- sign 7.379+/-0.081 χ^2/NDF: 10117.9/27

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.382+/-0.004 χ^2/NDF:99.1/10

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

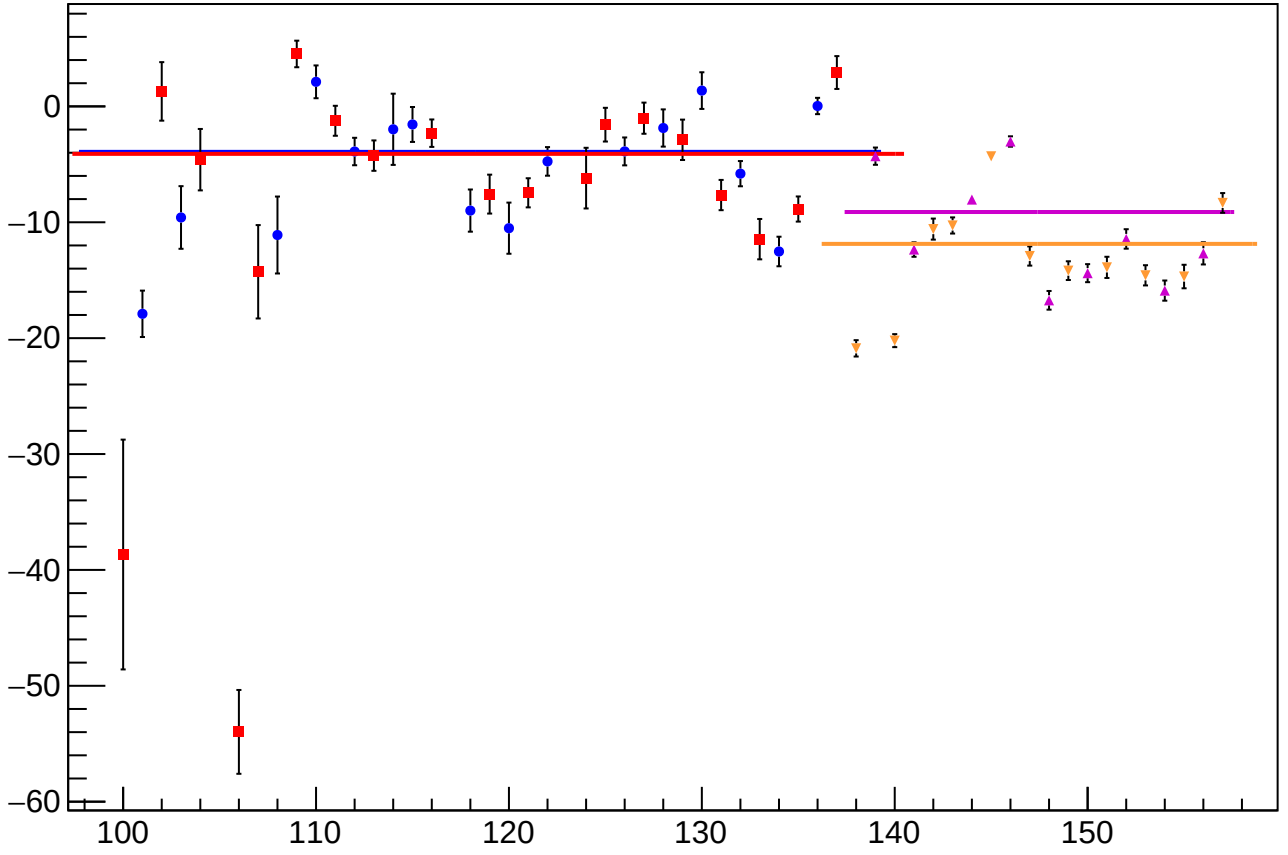
Left In: 0.357+/-0.004 χ^2/NDF:224.0/8

+ sign 0.368+/-0.004 χ^2/NDF: 843.0/26

All: 0.354+/-0.003 χ^2/NDF: 2332.1/54

- sign 0.339+/-0.004 χ^2/NDF: 1461.4/27

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.865+/-0.210 χ^2/NDF:809.2/10

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

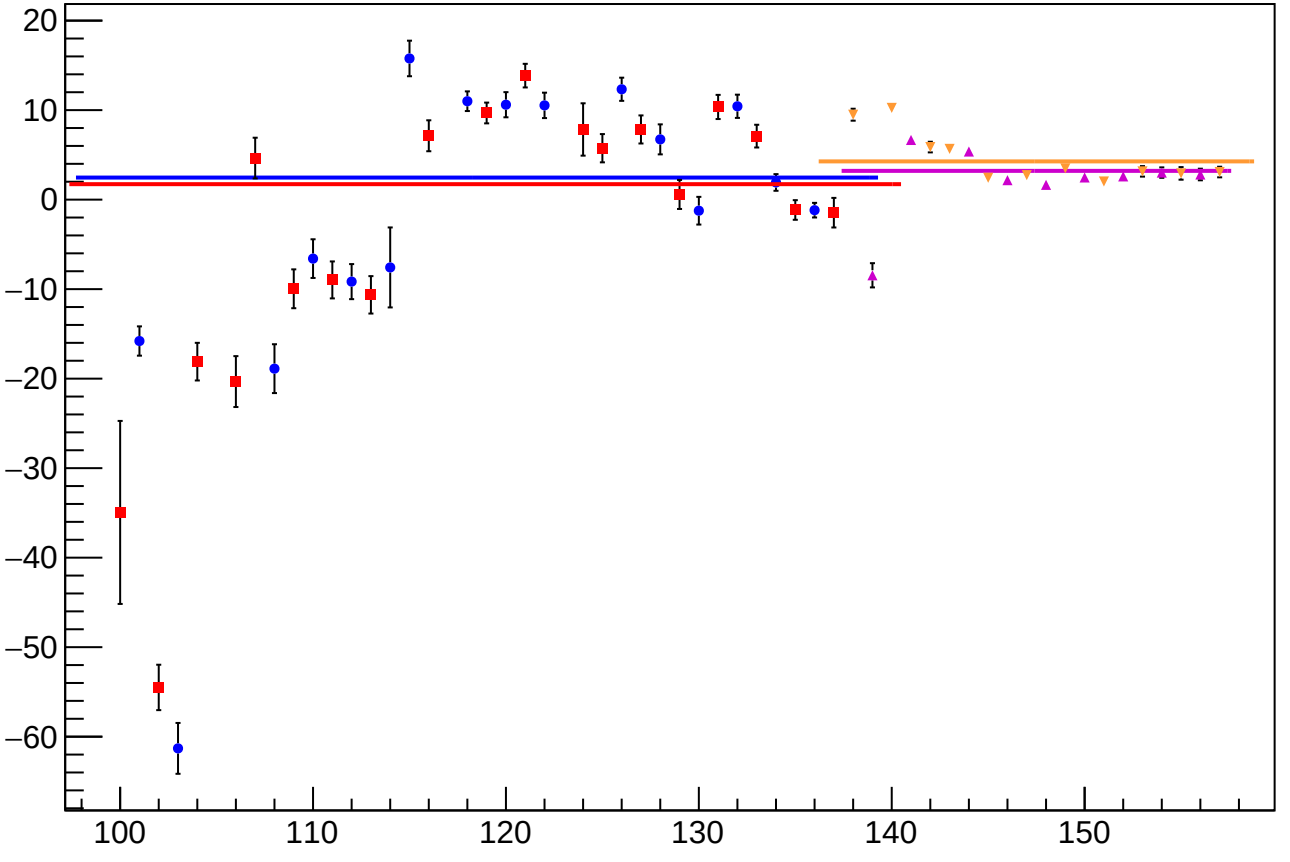
Left In: -9.114+/-0.214 χ^2/NDF:477.3/8

+ sign -9.732+/-0.179 χ^2/NDF: 1383.2/26

All: -8.782+/-0.128 χ^2/NDF: 2430.3/54

- sign -7.783+/-0.184 χ^2/NDF: 989.5/27

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.272+/-0.147 χ^2/NDF:326.8/10

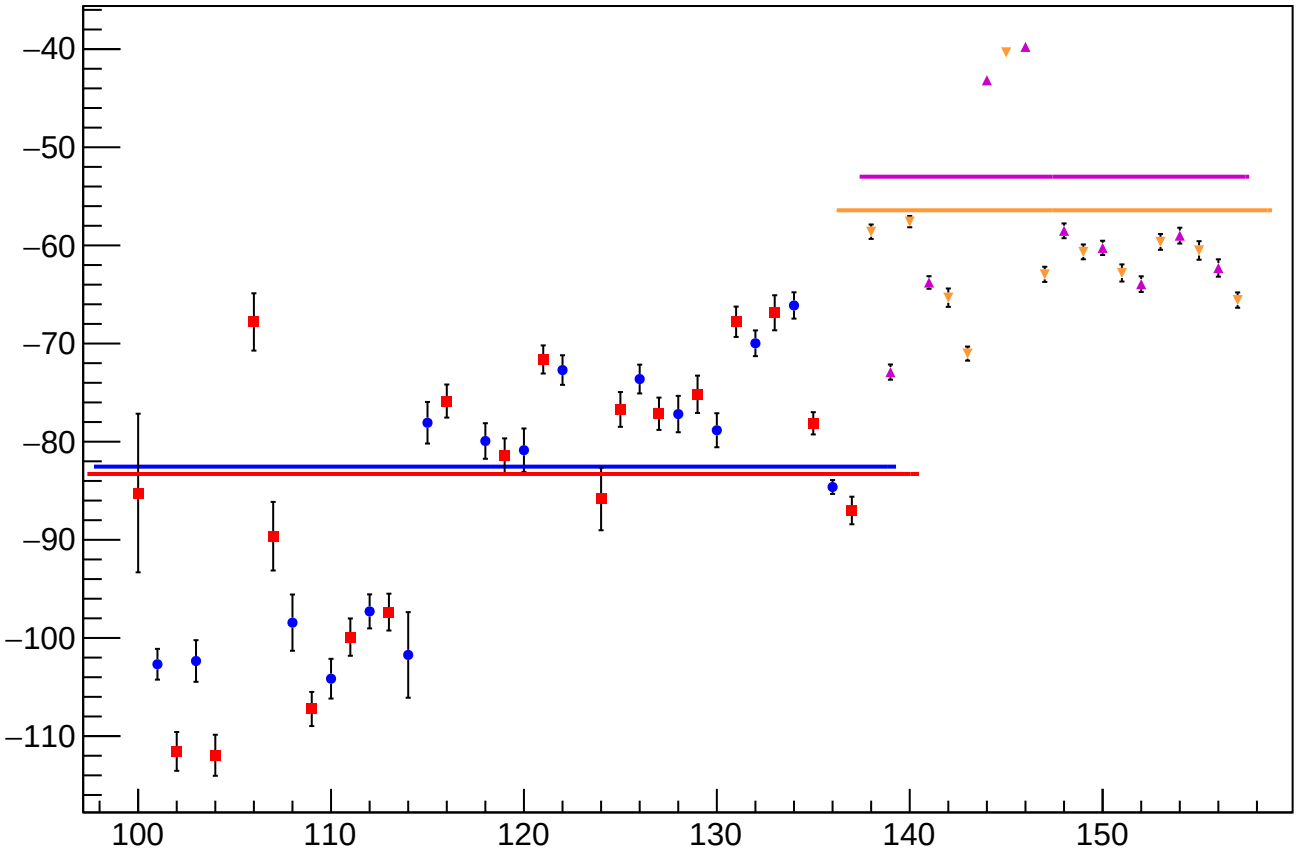
Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.213+/-0.143 χ^2/NDF:214.7/8

+ sign 4.009+/-0.136 χ^2/NDF: 1395.4/26

All: 3.514+/-0.096 χ^2/NDF: 2632.3/54

- sign 3.034+/-0.134 χ^2/NDF: 1210.9/27



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -56.421+/-0.208 χ^2/NDF:2413.7/10

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

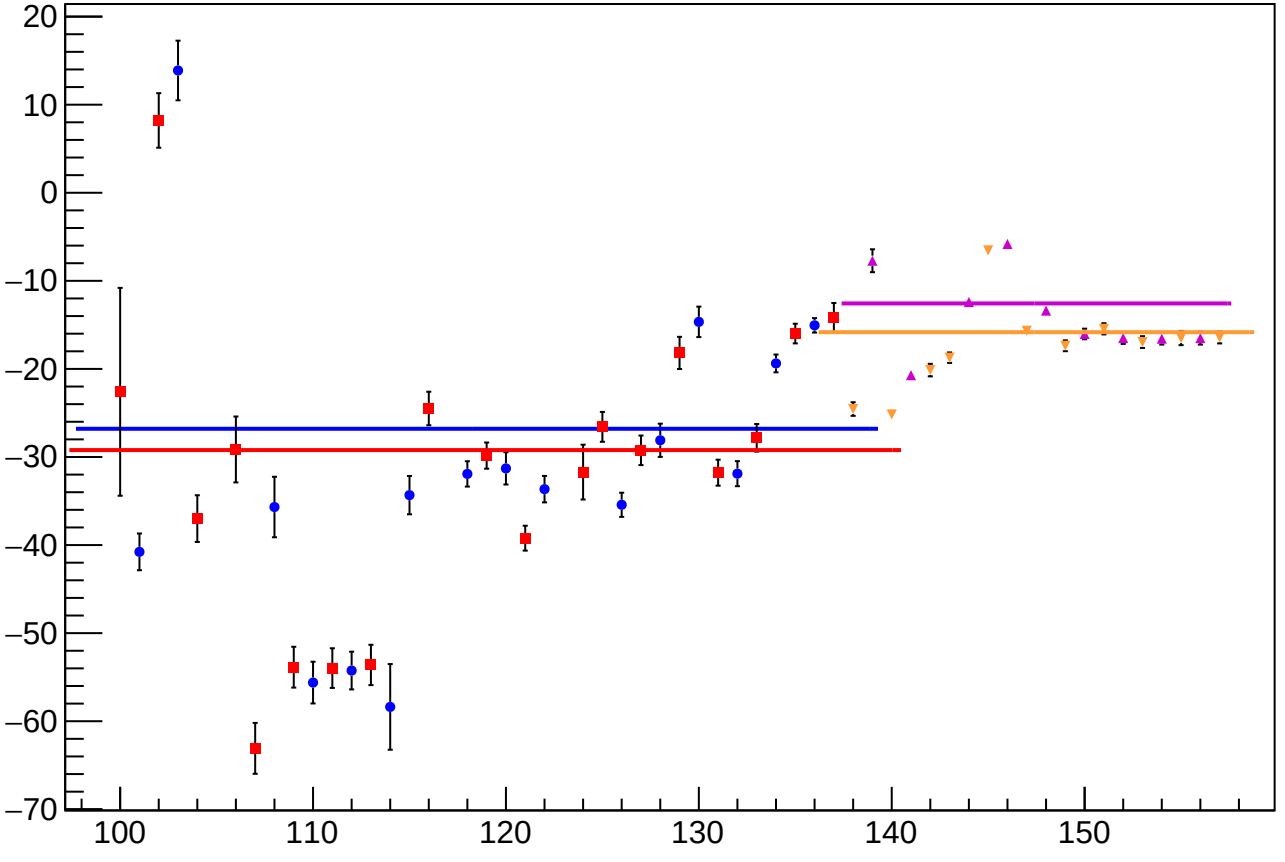
Left In: -52.999+/-0.210 χ^2/NDF:2879.2/8

\+ sign -62.356+/-0.183 χ^2/NDF: 6822.4/26

All: -60.823+/-0.131 χ^2/NDF: 15187.2/54

\- sign -59.215+/-0.188 χ^2/NDF: 8221.3/27

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.829+/-0.177 χ^2/NDF:1119.7/10

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

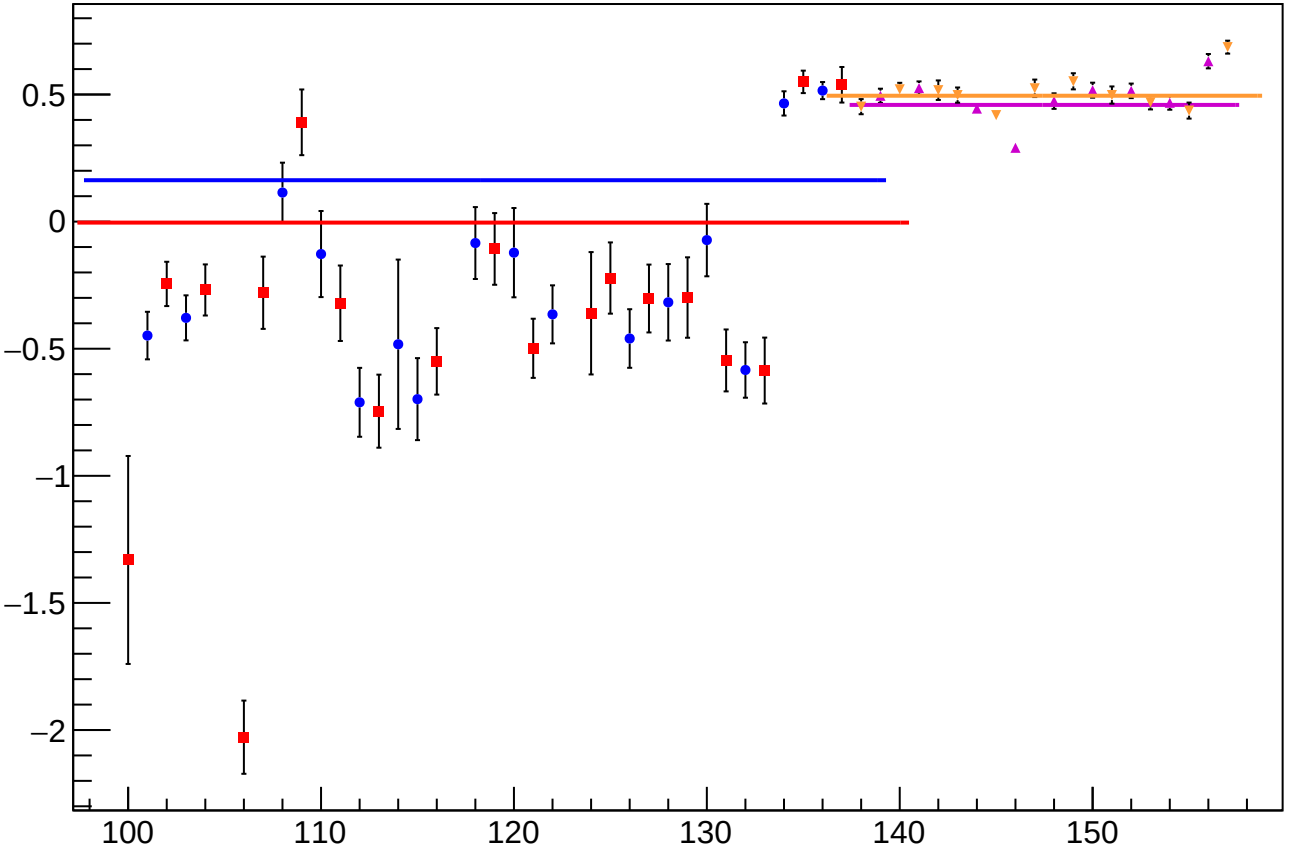
Left In: -12.566+/-0.174 χ^2/NDF:788.7/8

+ sign -17.664+/-0.162 χ^2/NDF: 2723.1/26

All: -16.283+/-0.114 χ^2/NDF: 5900.0/54

- sign -14.906+/-0.162 χ^2/NDF: 3031.4/27

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.495+/-0.008 χ^2/NDF:90.1/10

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

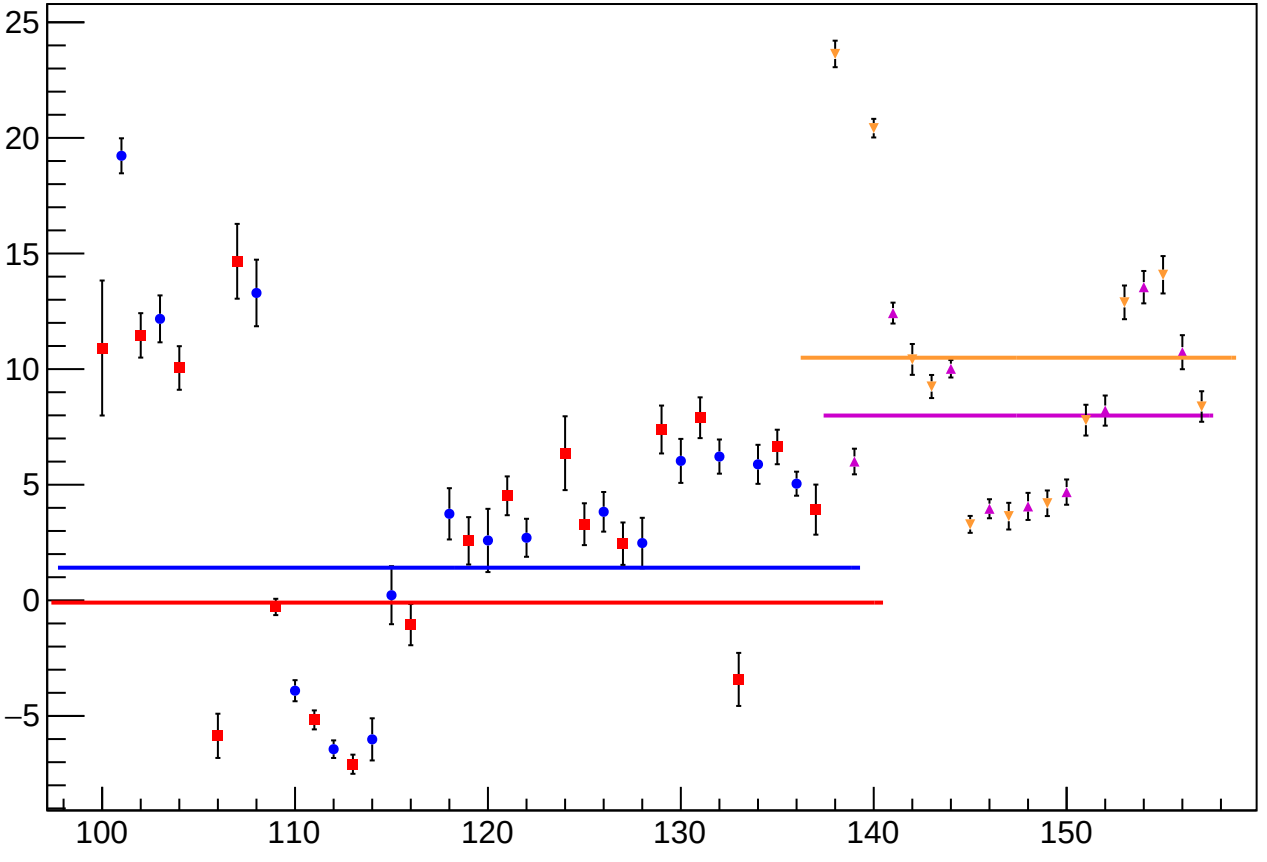
Left In: 0.459+/-0.008 χ^2/NDF:134.7/8

\+ sign 0.453+/-0.008 χ^2/NDF: 722.9/26

All: 0.432+/-0.006 χ^2/NDF: 1767.5/54

\- sign 0.410+/-0.008 χ^2/NDF: 1029.9/27

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.493+/-0.164 χ^2/NDF:1855.0/10

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

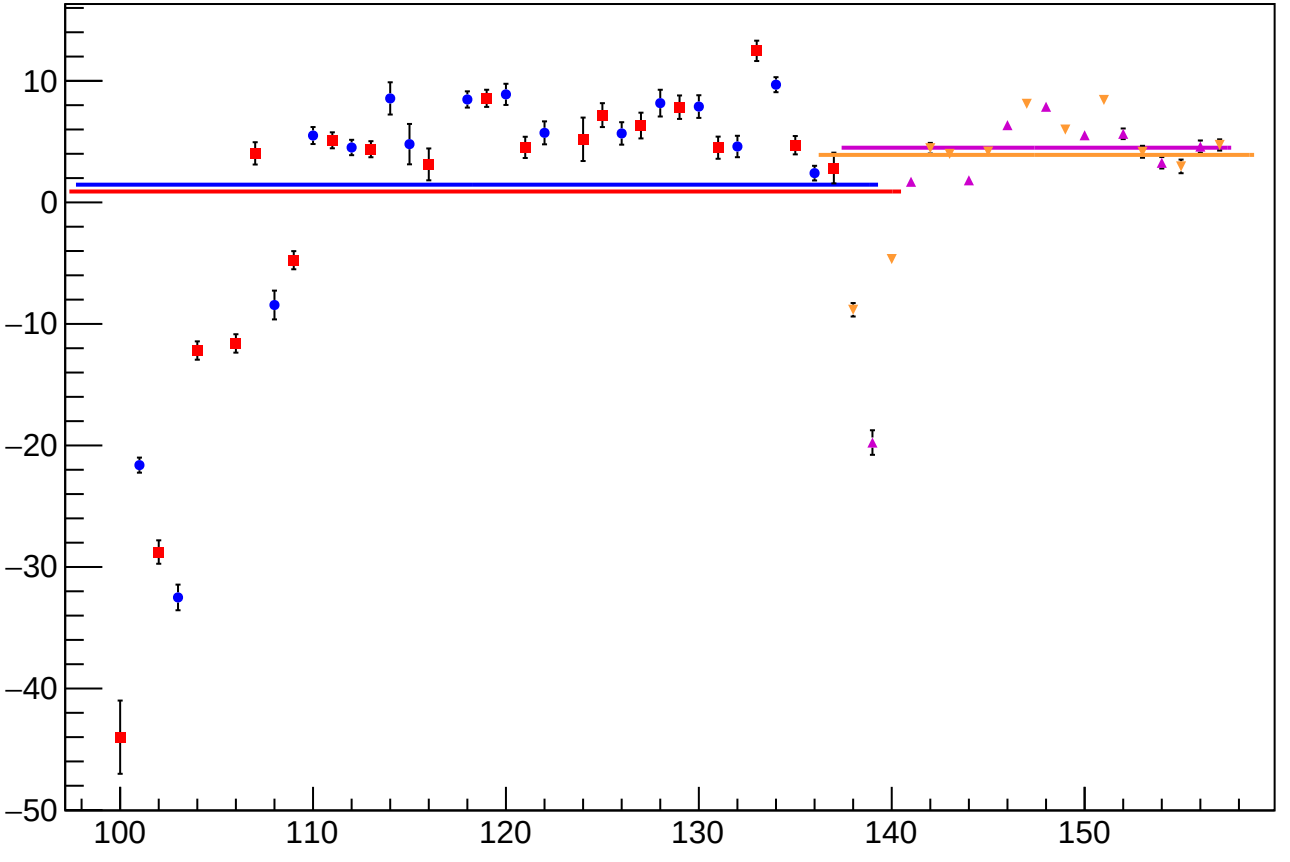
Left In: 7.992+/-0.173 χ^2/NDF:392.3/8

+ sign 6.450+/-0.122 χ^2/NDF: 4742.0/26

All: 5.116+/-0.086 χ^2/NDF: 7648.9/54

- sign 3.824+/-0.120 χ^2/NDF: 2672.0/27

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.909+/-0.113 χ^2/NDF:1642.7/10

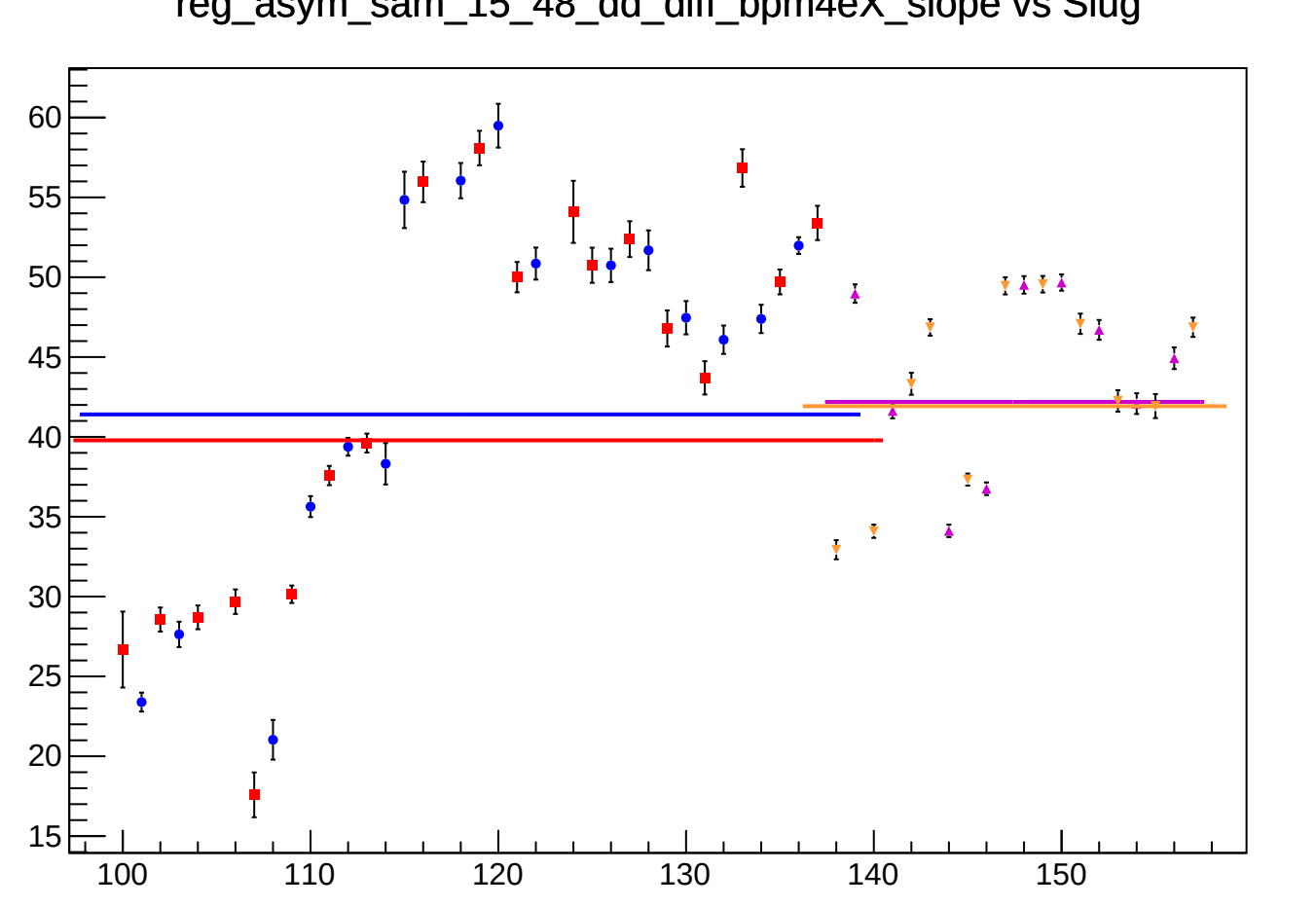
Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.500+/-0.116 χ^2/NDF:970.3/8

+ sign 3.330+/-0.099 χ^2/NDF: 4833.7/26

All: 3.468+/-0.070 χ^2/NDF: 8424.7/54

- sign 3.610+/-0.100 χ^2/NDF: 3587.0/27



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.922+/-0.162 χ^2/NDF:1376.6/10

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

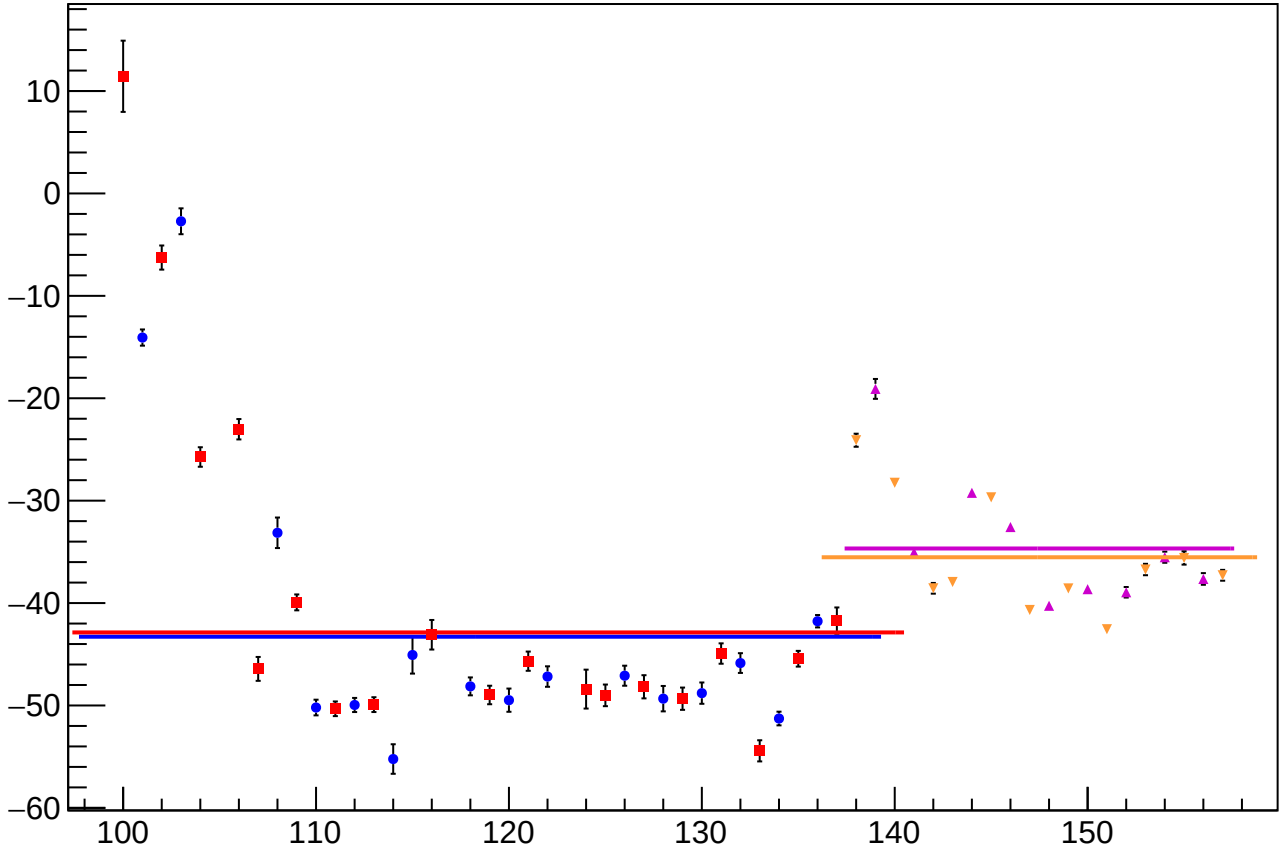
Left In: 42.191+/-0.169 χ^2/NDF:1222.8/8

+ sign 41.730+/-0.129 χ^2/NDF: 4126.3/26

All: 41.470+/-0.091 χ^2/NDF: 8094.3/54

- sign 41.204+/-0.130 χ^2/NDF: 3959.7/27

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.527+/-0.137 χ^2/NDF:1499.0/10

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

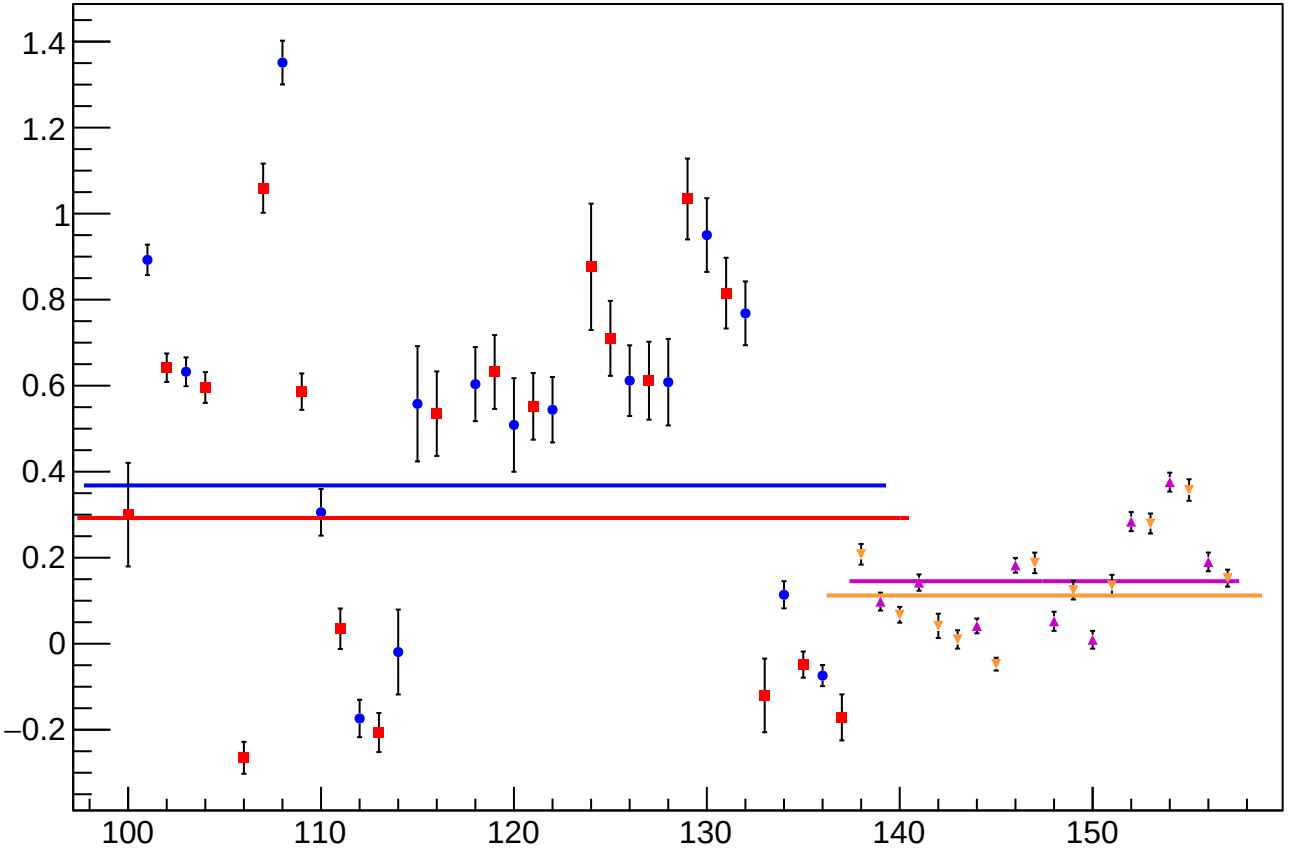
Left In: -34.671+/-0.141 χ^2/NDF:982.0/8

+ sign -37.571+/-0.118 χ^2/NDF: 5327.2/26

All: -37.251+/-0.084 χ^2/NDF: 9708.1/54

- sign -36.918+/-0.120 χ^2/NDF: 4365.8/27

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.112+/-0.006 χ^2/NDF:328.3/10

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

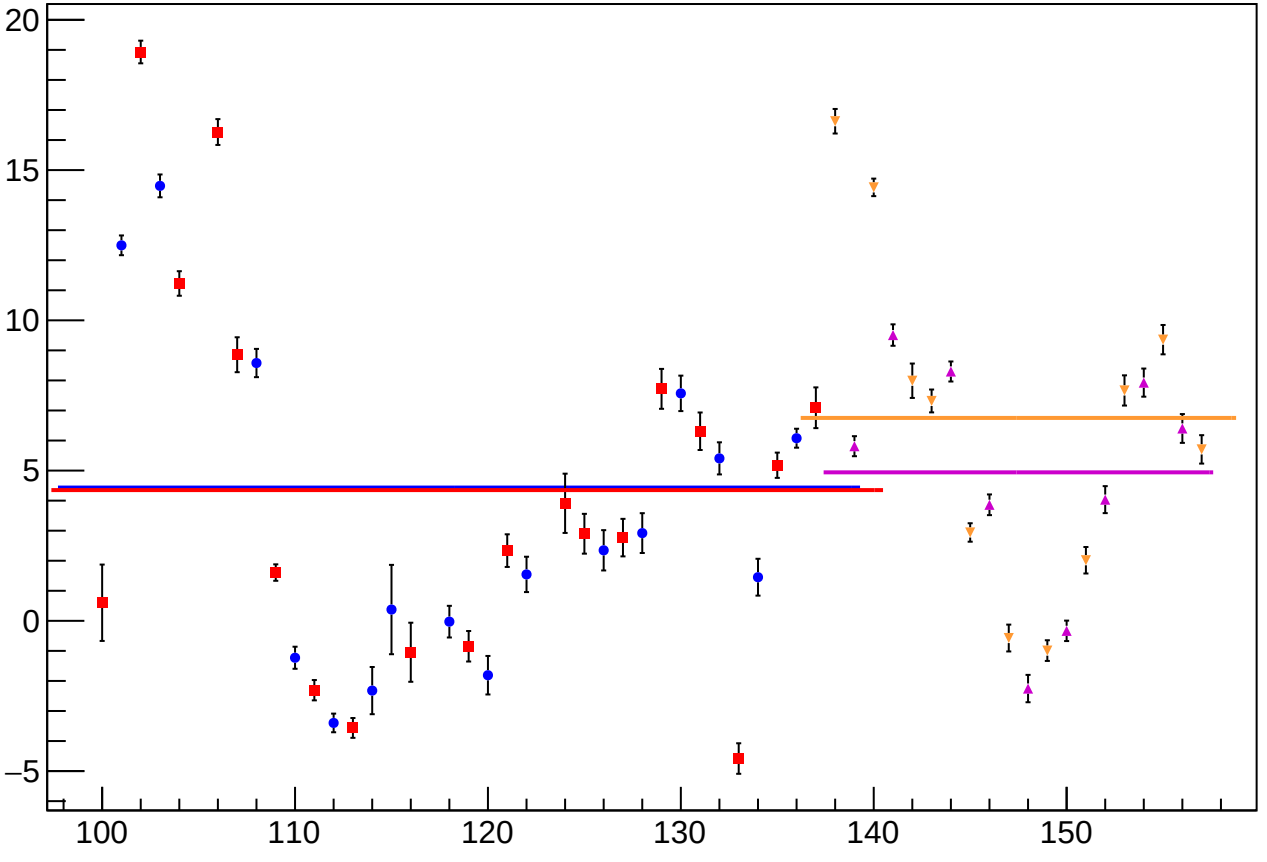
Left In: 0.145+/-0.007 χ^2/NDF:259.6/8

+ sign 0.168+/-0.006 χ^2/NDF: 1993.1/26

All: 0.174+/-0.004 χ^2/NDF: 3566.9/54

- sign 0.180+/-0.006 χ^2/NDF: 1571.7/27

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.753+/-0.120 χ^2/NDF:2364.7/10

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

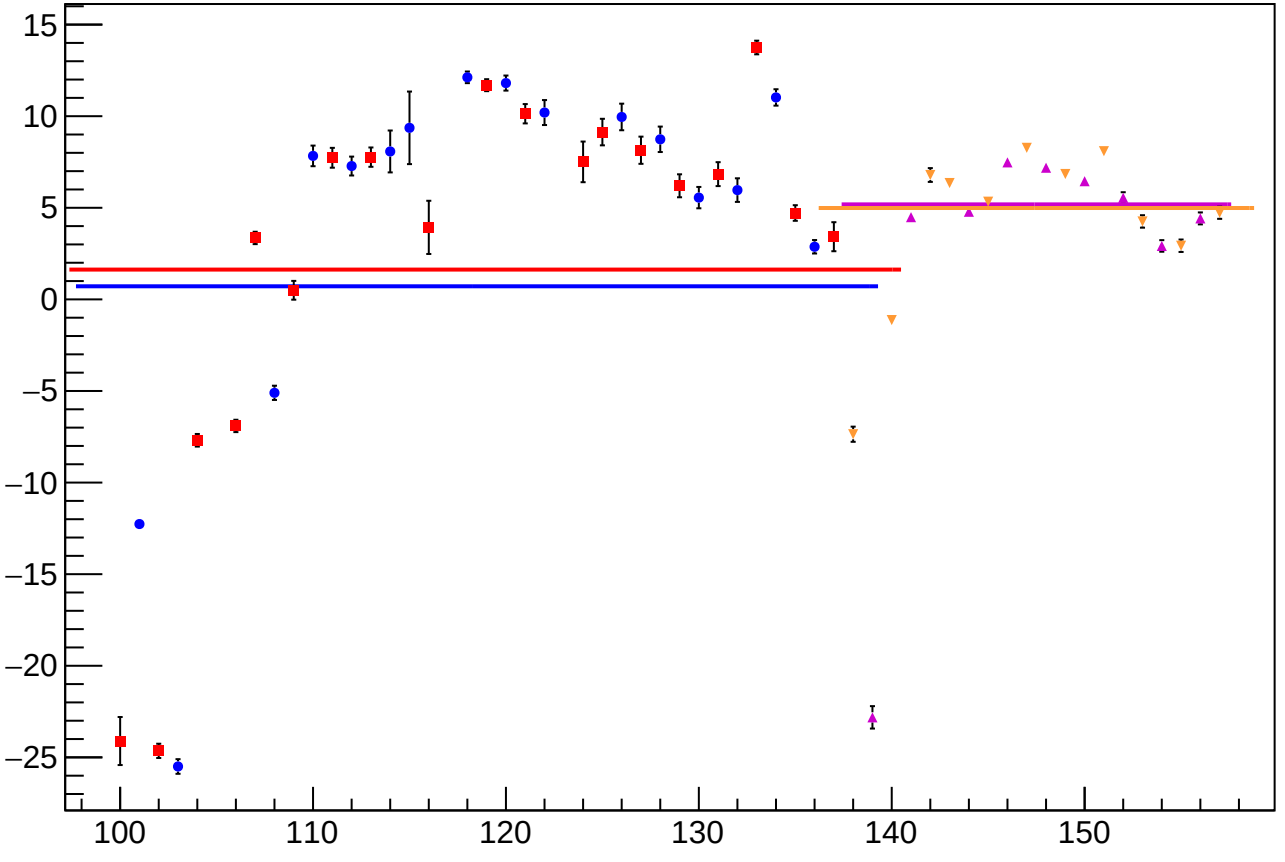
Left In: 4.941+/-0.127 χ^2/NDF:826.3/8

+ sign 5.565+/-0.084 χ^2/NDF: 5178.1/26

All: 5.078+/-0.059 χ^2/NDF: 10289.1/54

- sign 4.601+/-0.083 χ^2/NDF: 5043.9/27

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.988+/-0.083 χ^2/NDF:2084.7/10

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

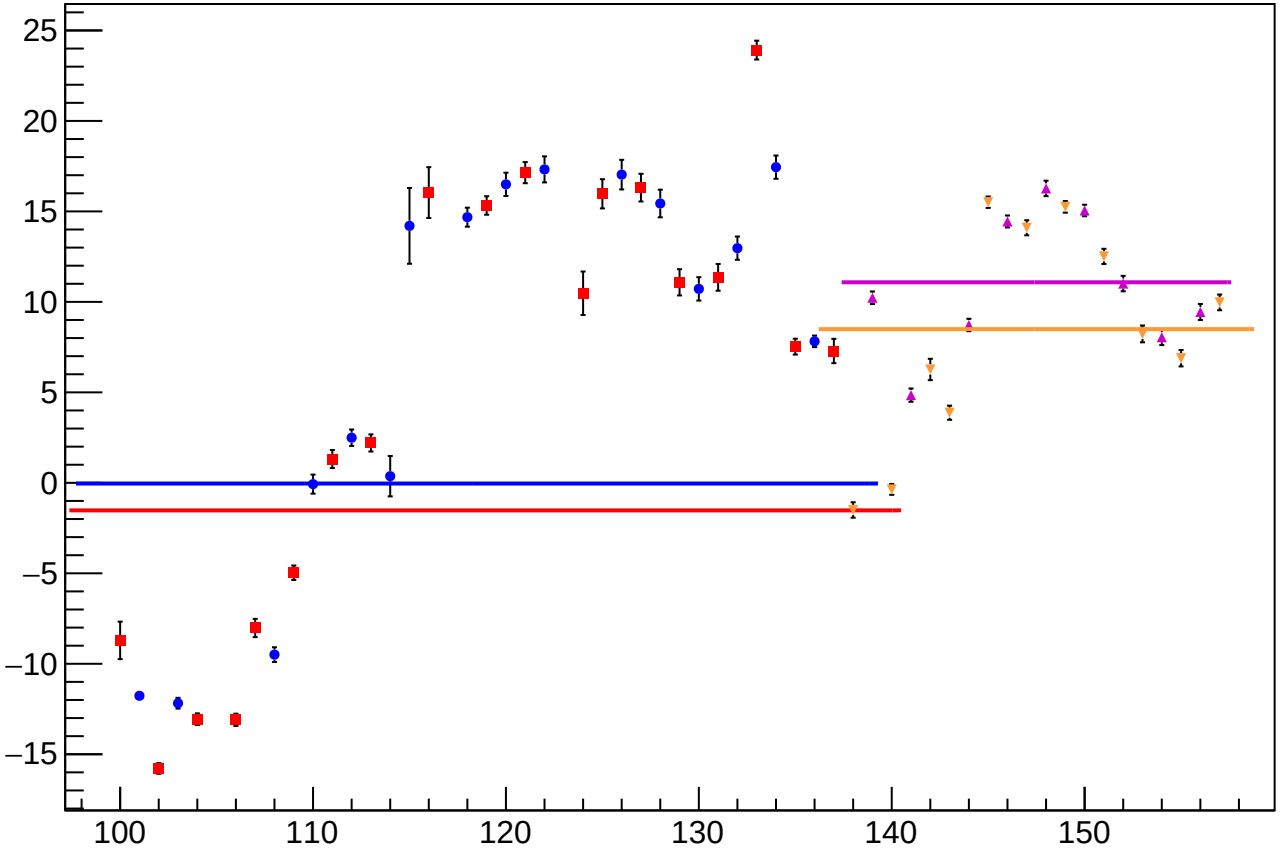
Left In: 5.186+/-0.089 χ^2/NDF:2395.6/8

\+ sign 3.535+/-0.068 χ^2/NDF: 13435.6/26

All: 3.662+/-0.048 χ^2/NDF: 25719.9/54

\- sign 3.795+/-0.069 χ^2/NDF: 12277.2/27

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.494+/-0.118 χ^2/NDF:2809.6/10

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

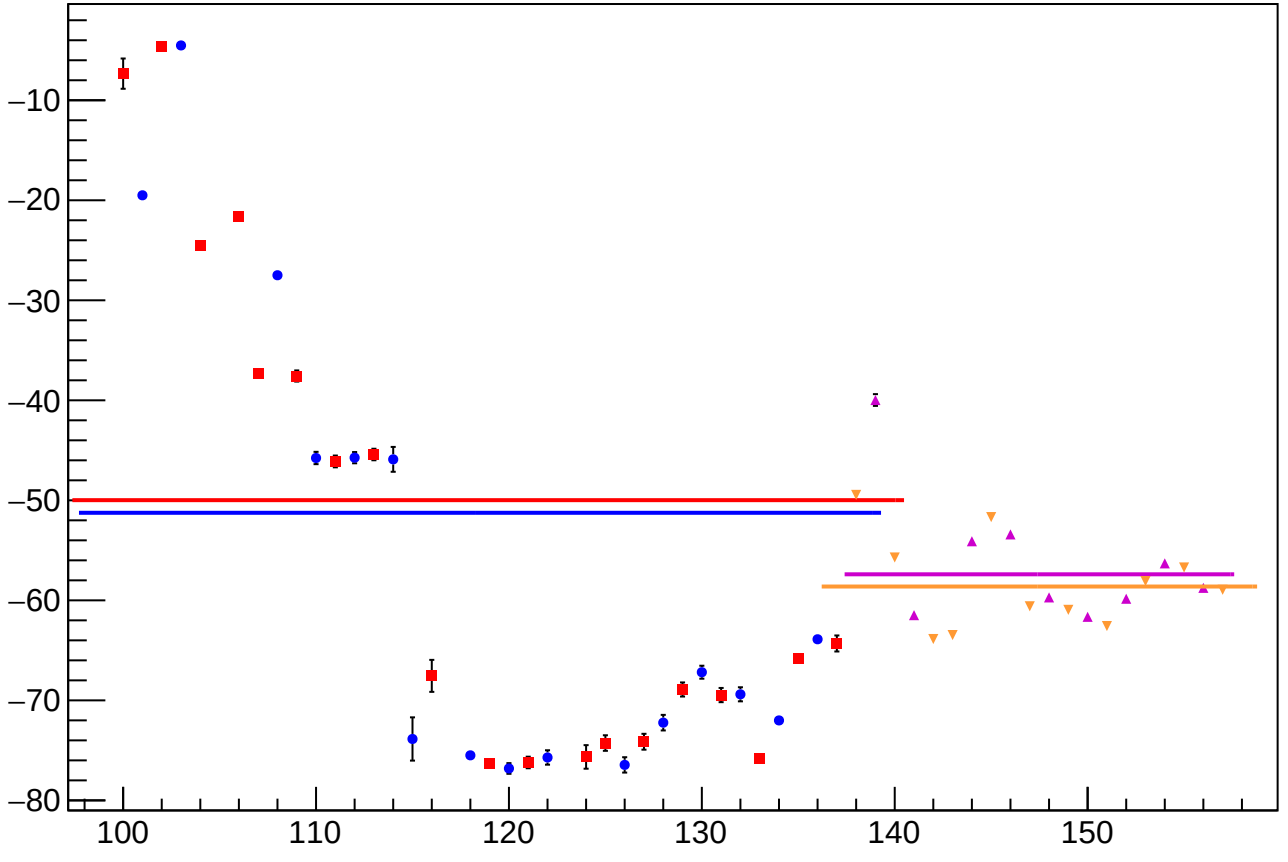
Left In: 11.083+/-0.124 χ^2/NDF:813.2/8

\+ sign 4.282+/-0.084 χ^2/NDF: 14671.4/26

All: 4.288+/-0.060 χ^2/NDF: 33147.8/54

\- sign 4.293+/-0.084 χ^2/NDF: 18476.4/27

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.618+/-0.100 χ^2/NDF:1712.8/10

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

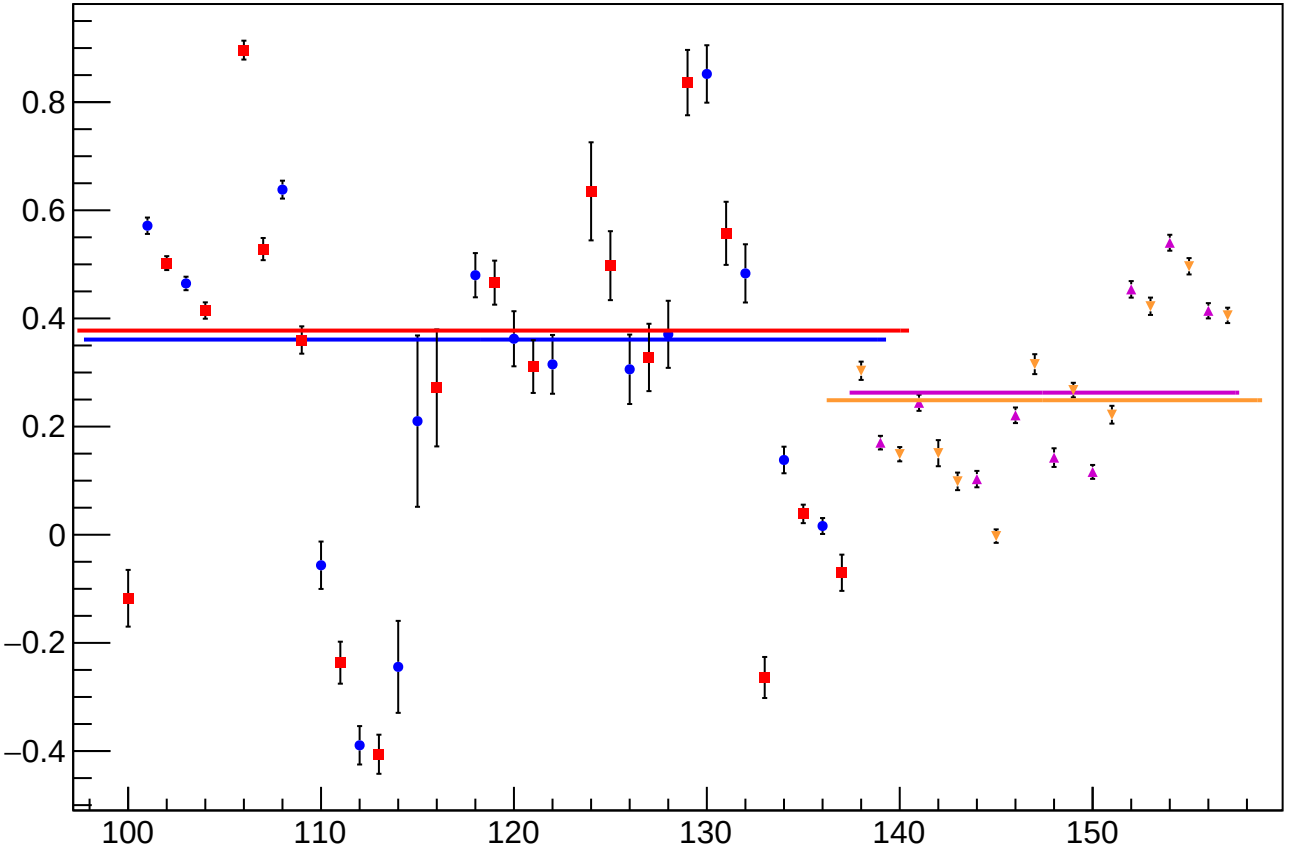
Left In: -57.396+/-0.107 χ^2/NDF:1804.5/8

+ sign -56.015+/-0.081 χ^2/NDF: 37385.7/26

All: -55.243+/-0.058 χ^2/NDF: 75202.4/54

- sign -54.434+/-0.083 χ^2/NDF: 37629.2/27

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.249+/-0.005 χ^2/NDF:1101.1/10

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

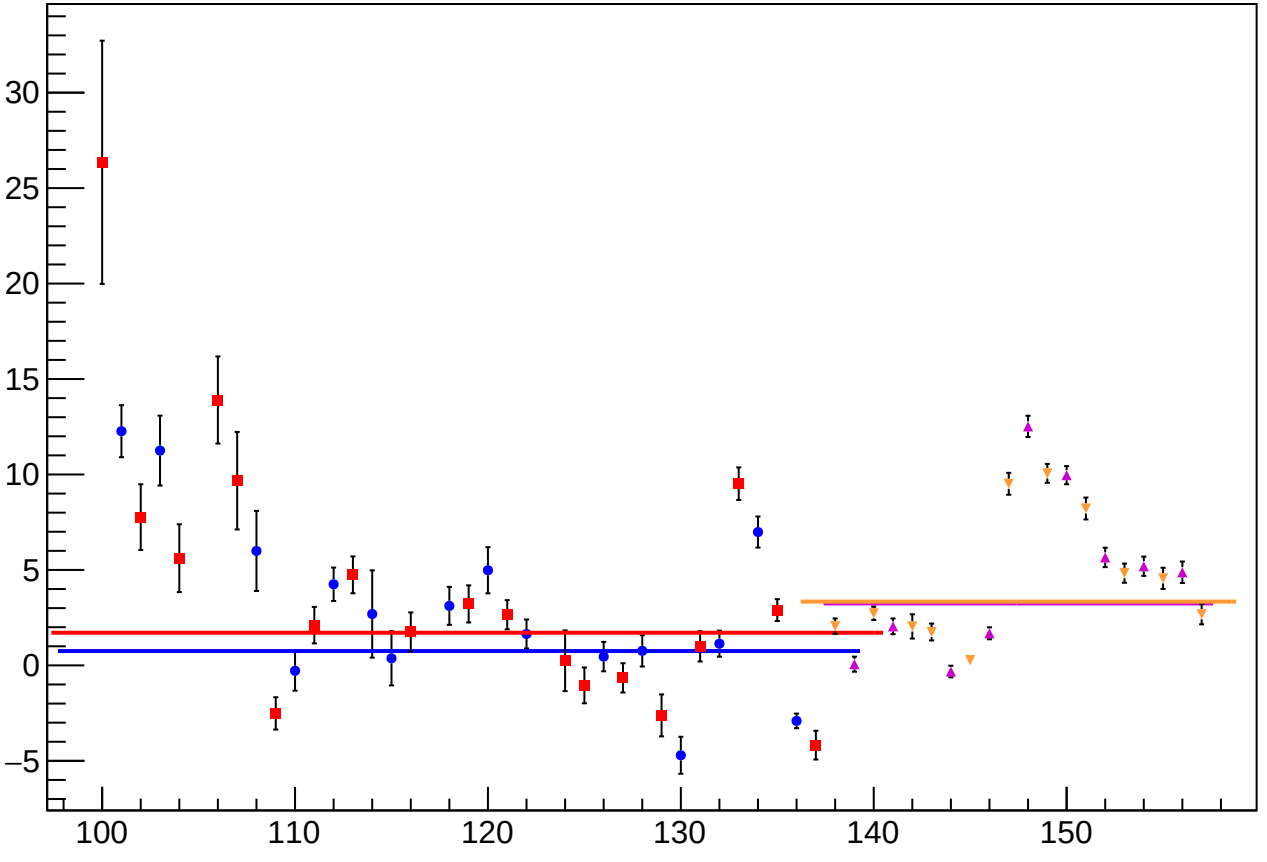
Left In: 0.263+/-0.005 χ^2/NDF:979.0/8

+ sign 0.288+/-0.004 χ^2/NDF: 3164.1/26

All: 0.297+/-0.003 χ^2/NDF: 7164.2/54

- sign 0.307+/-0.004 χ^2/NDF: 3987.3/27

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.341+/-0.132 χ^2/NDF:553.0/10

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

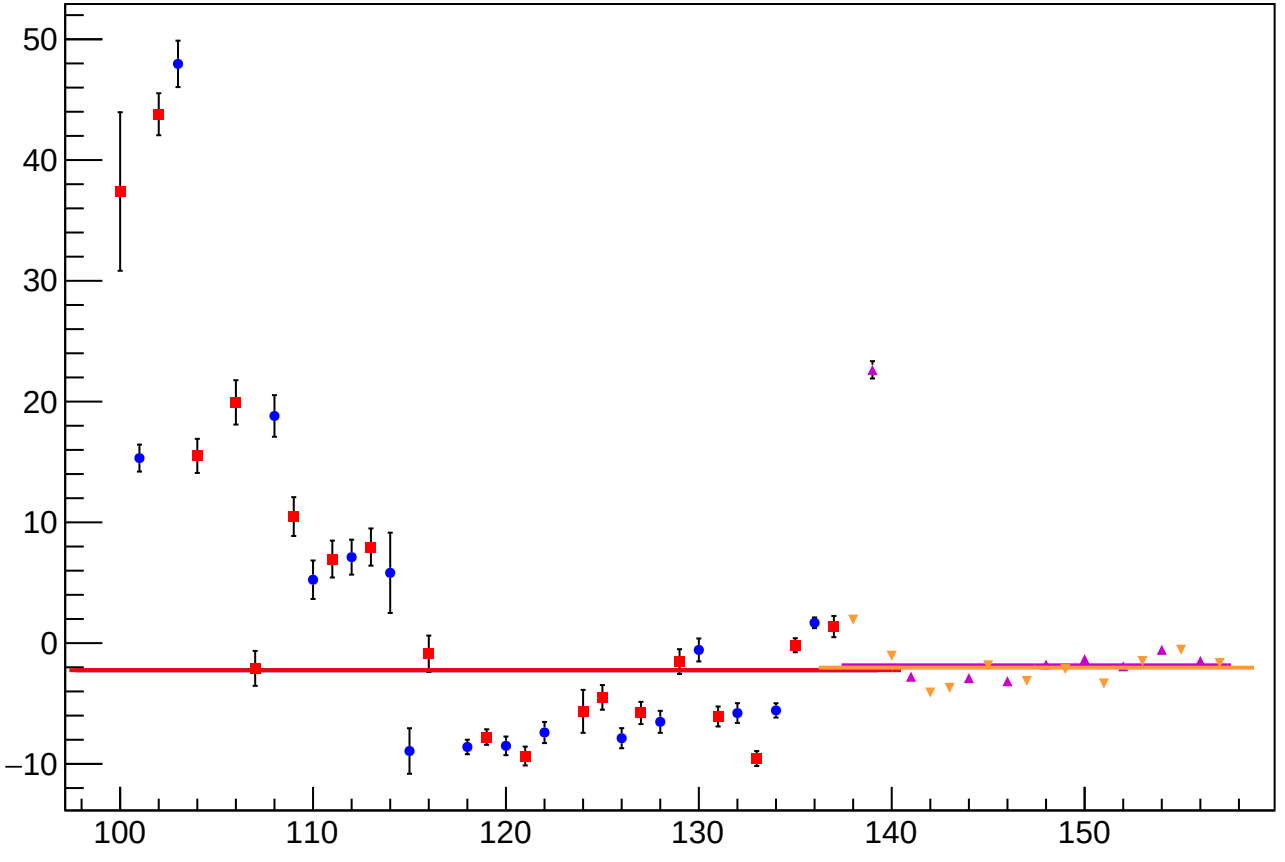
Left In: 3.245+/-0.139 χ^2/NDF:759.5/8

+ sign 2.618+/-0.112 χ^2/NDF: 990.2/26

All: 2.712+/-0.081 χ^2/NDF: 2079.2/54

- sign 2.816+/-0.118 χ^2/NDF: 1087.5/27

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.031+/-0.094 χ^2/NDF:218.5/10

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

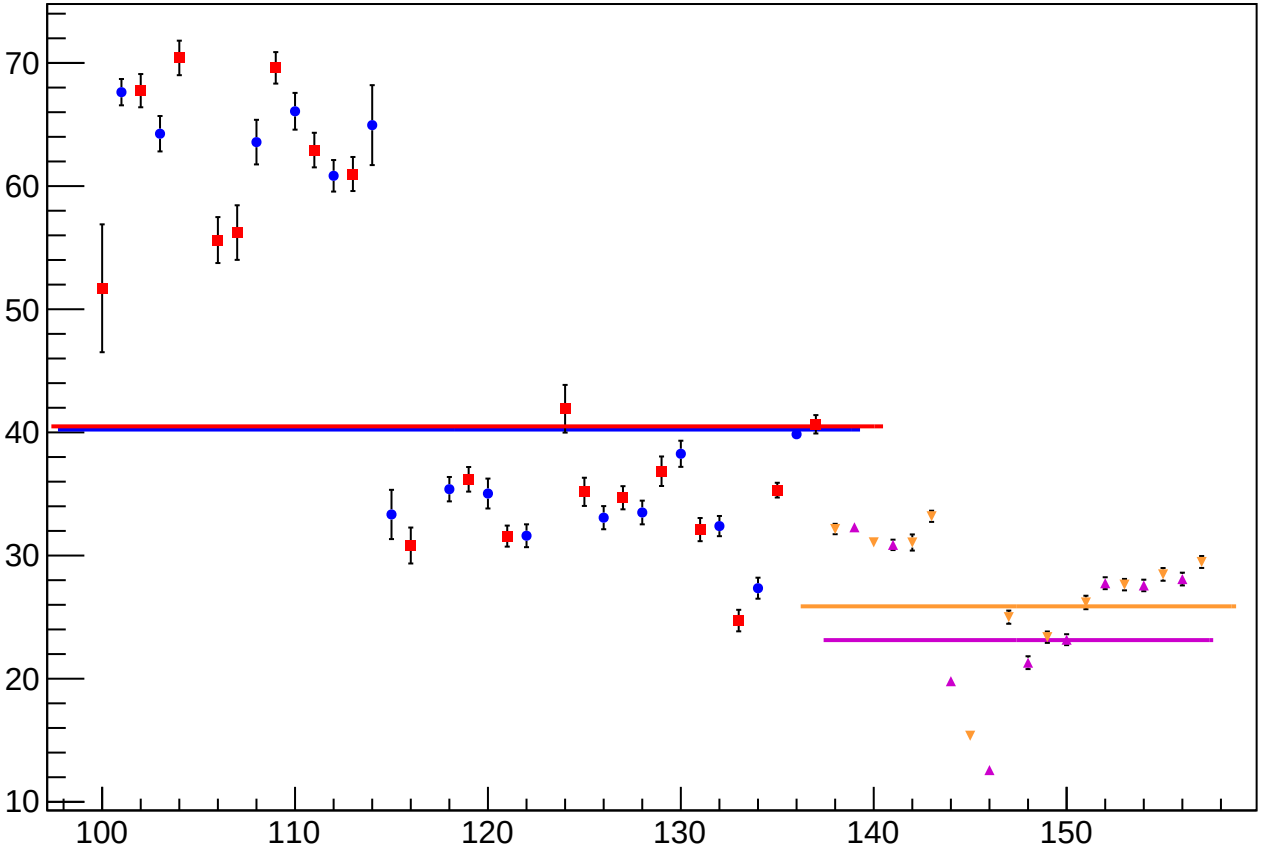
Left In: -1.839+/-0.096 χ^2/NDF:1257.8/8

+ sign -2.066+/-0.086 χ^2/NDF: 1791.9/26

All: -1.985+/-0.062 χ^2/NDF: 4609.7/54

- sign -1.899+/-0.089 χ^2/NDF: 2816.0/27

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.875+/-0.131 χ^2/NDF:2373.5/10

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

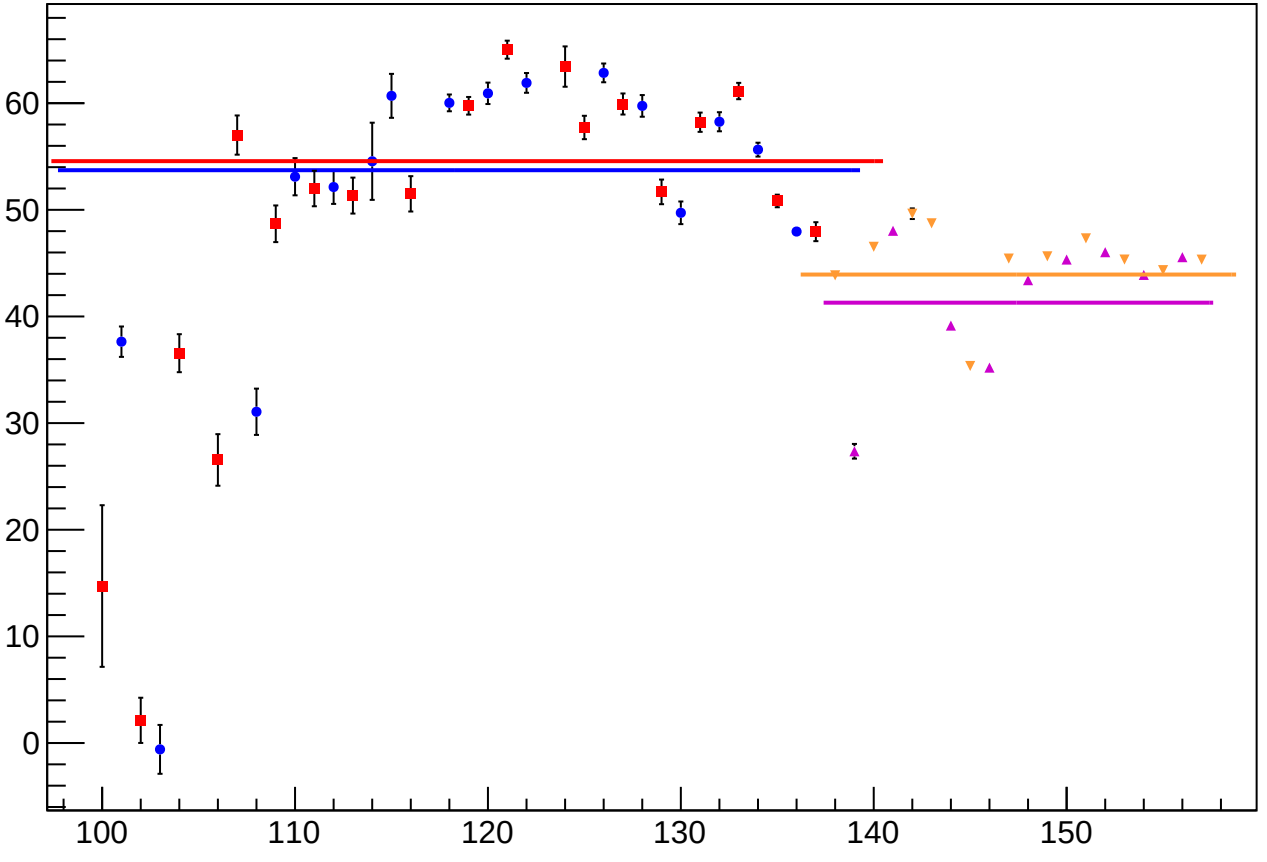
Left In: 23.134+/-0.136 χ^2/NDF:2453.9/8

+ sign 29.363+/-0.114 χ^2/NDF: 7577.8/26

All: 28.281+/-0.083 χ^2/NDF: 16626.2/54

- sign 27.092+/-0.120 χ^2/NDF: 8859.6/27

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.931+/-0.113 χ^2/NDF:1692.0/10

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

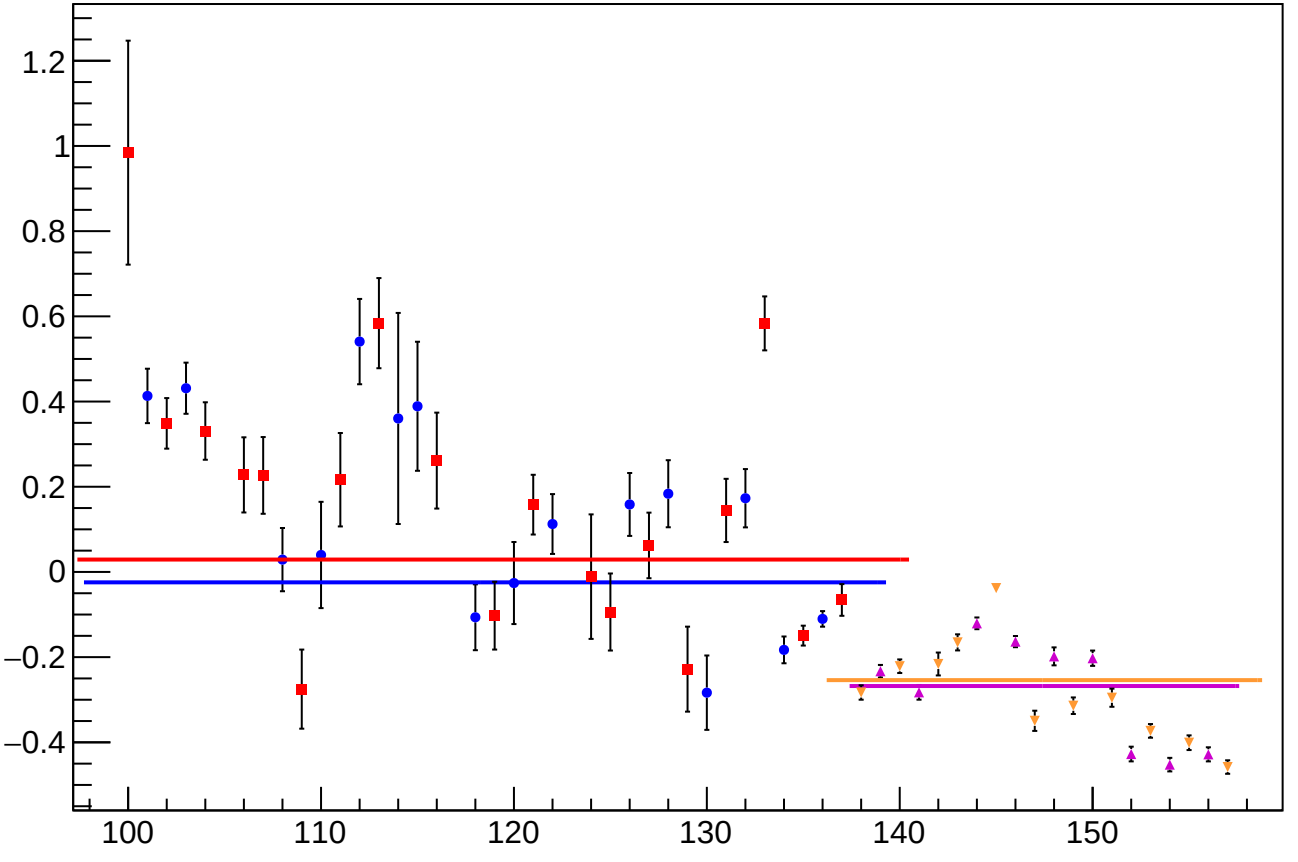
Left In: 41.292+/-0.116 χ^2/NDF:1921.8/8

\+ sign 45.710+/-0.102 χ^2/NDF: 4425.8/26

All: 44.660+/-0.073 χ^2/NDF: 10140.5/54

\- sign 43.538+/-0.105 χ^2/NDF: 5495.3/27

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.254+/-0.005 χ^2/NDF:755.8/10

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

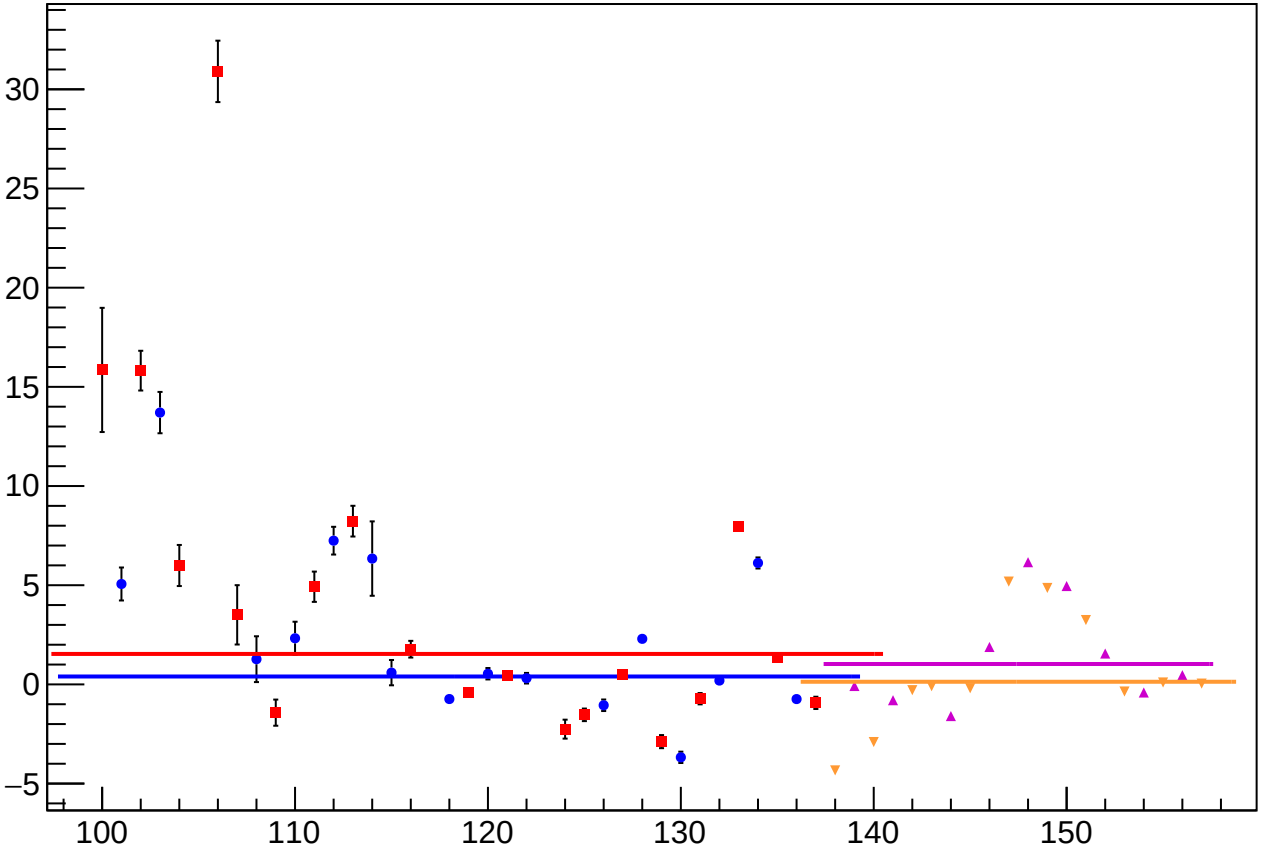
Left In: -0.268+/-0.005 χ^2/NDF:521.2/8

+ sign -0.222+/-0.005 χ^2/NDF: 1262.6/26

All: -0.227+/-0.003 χ^2/NDF: 2443.0/54

- sign -0.231+/-0.005 χ^2/NDF: 1178.7/27

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.133+/-0.048 χ^2/NDF:3242.6/10

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

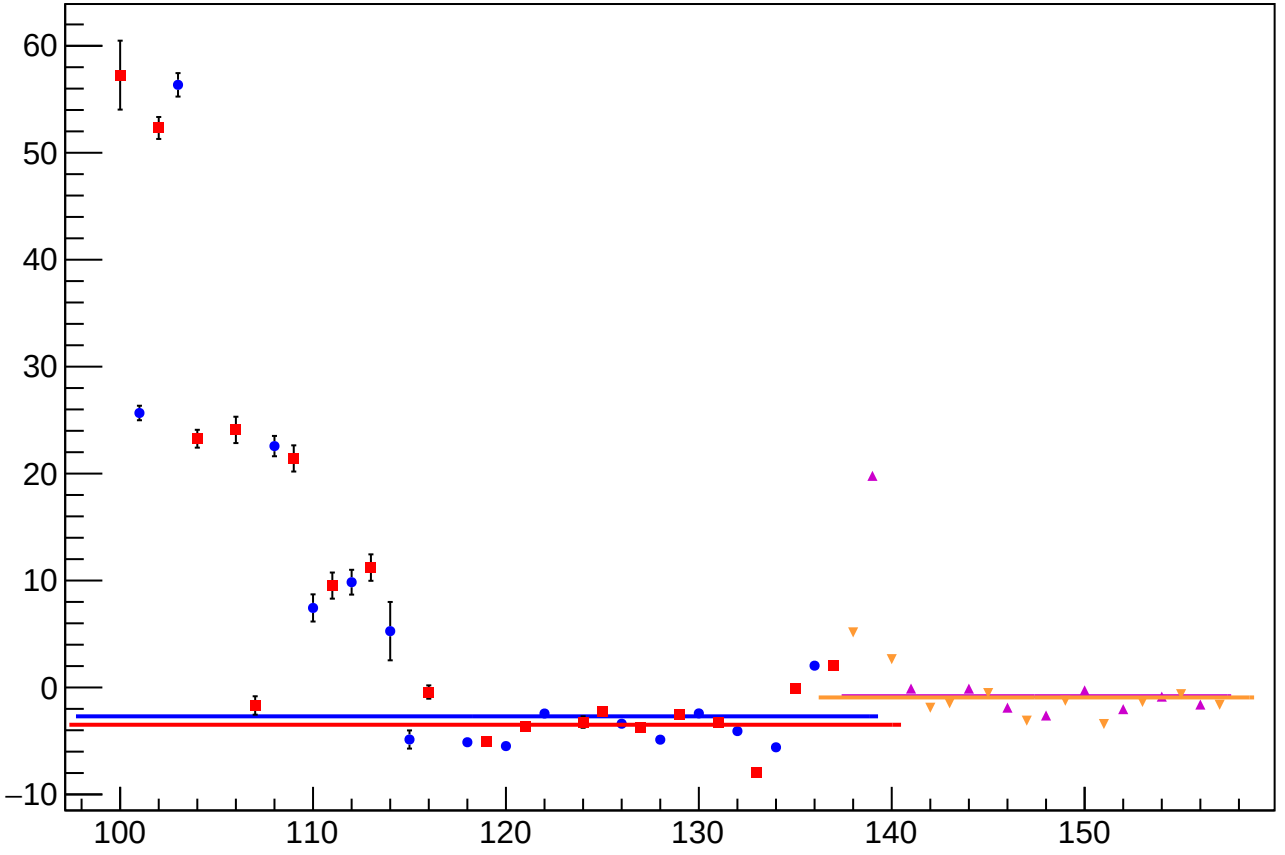
Left In: 1.028+/-0.049 χ^2/NDF:2328.0/8

+ sign 0.208+/-0.041 χ^2/NDF: 4348.4/26

All: 0.680+/-0.029 χ^2/NDF: 9390.0/54

- sign 1.173+/-0.042 χ^2/NDF: 4769.2/27

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.932+/-0.034 χ^2/NDF:3710.6/10

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

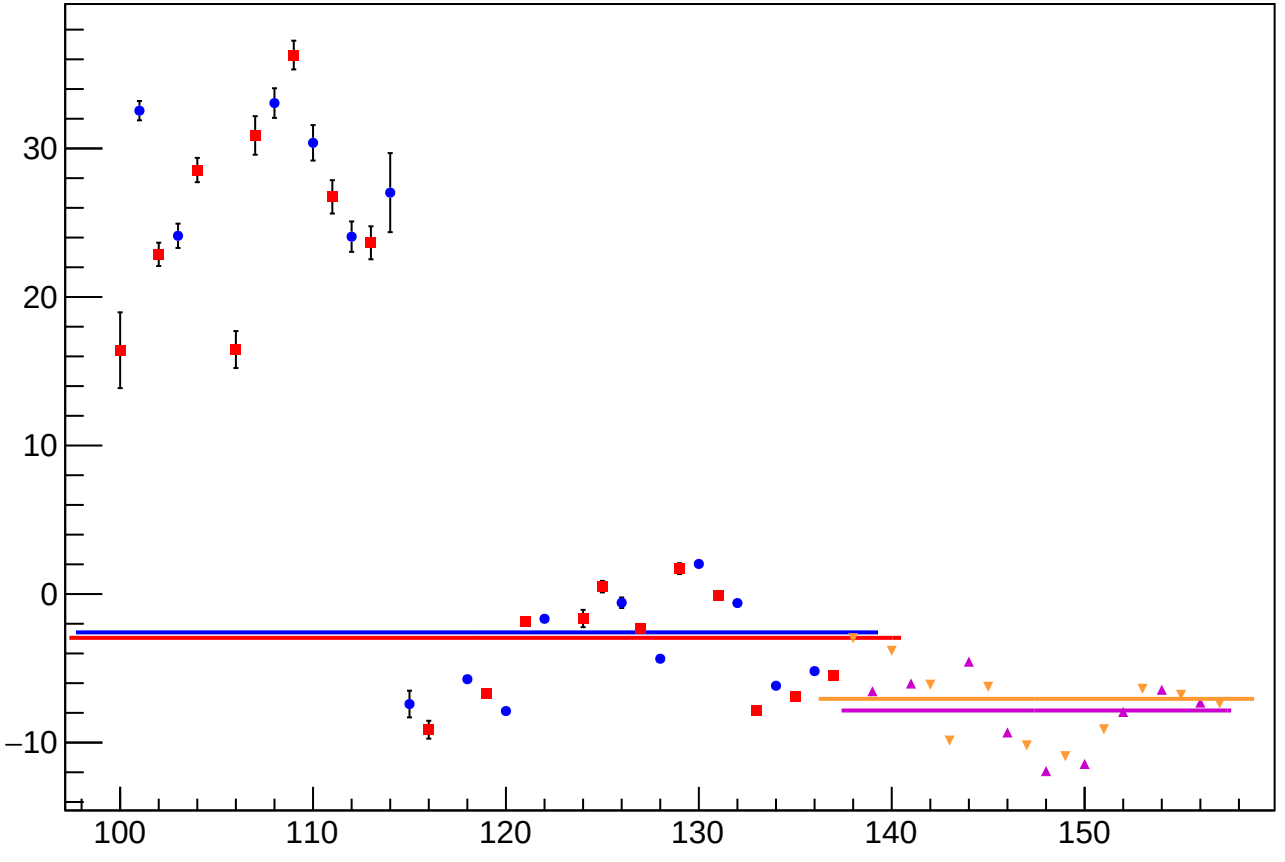
Left In: -0.814+/-0.034 χ^2/NDF:7437.9/8

+ sign -1.267+/-0.031 χ^2/NDF: 11320.2/26

All: -1.296+/-0.022 χ^2/NDF: 27068.8/54

- sign -1.326+/-0.031 χ^2/NDF: 15746.7/27

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.057+/-0.048 χ^2/NDF:2745.8/10

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

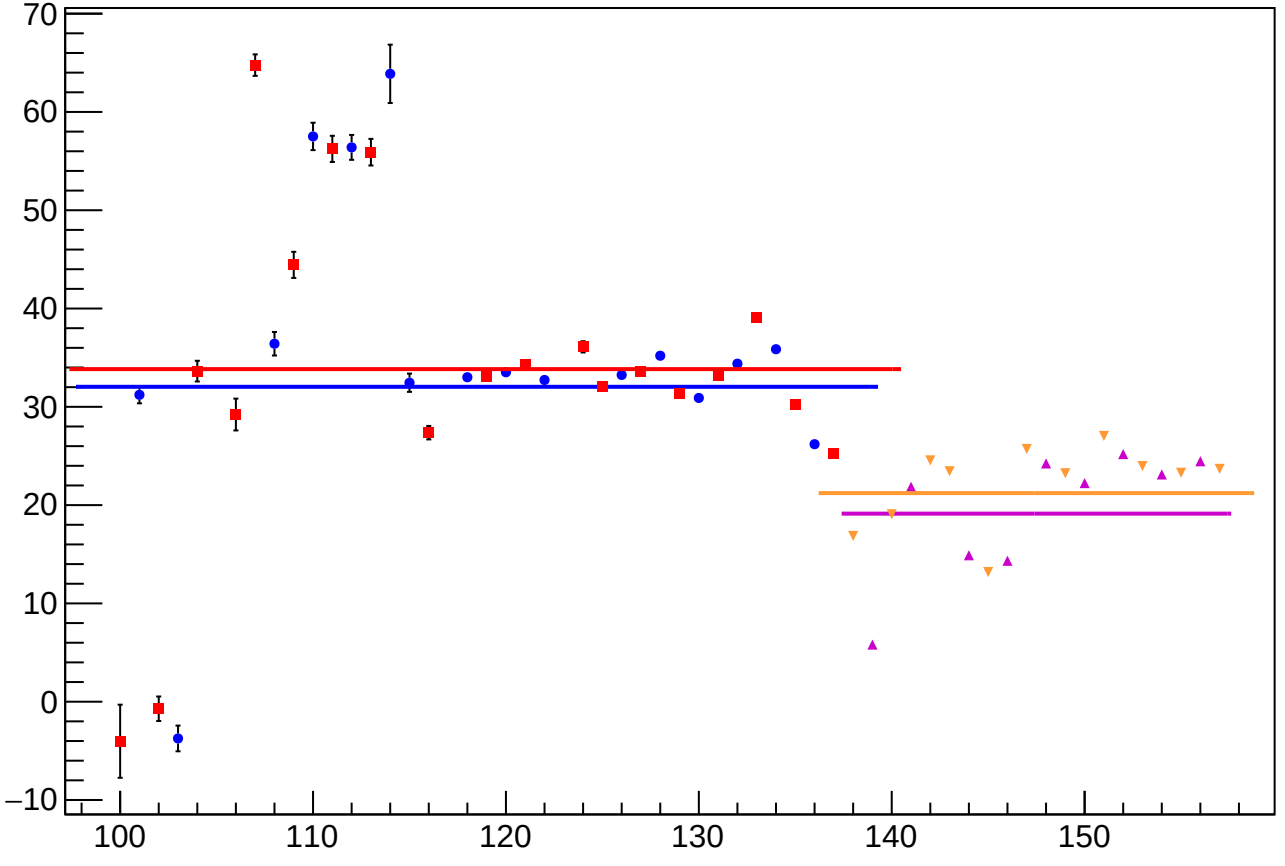
Left In: -7.840+/-0.049 χ^2/NDF:2504.5/8

+ sign -5.945+/-0.041 χ^2/NDF: 13085.4/26

All: -6.285+/-0.030 χ^2/NDF: 26424.3/54

- sign -6.637+/-0.042 χ^2/NDF: 13201.8/27

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 21.222+/-0.041 χ^2/NDF:13105.0/10

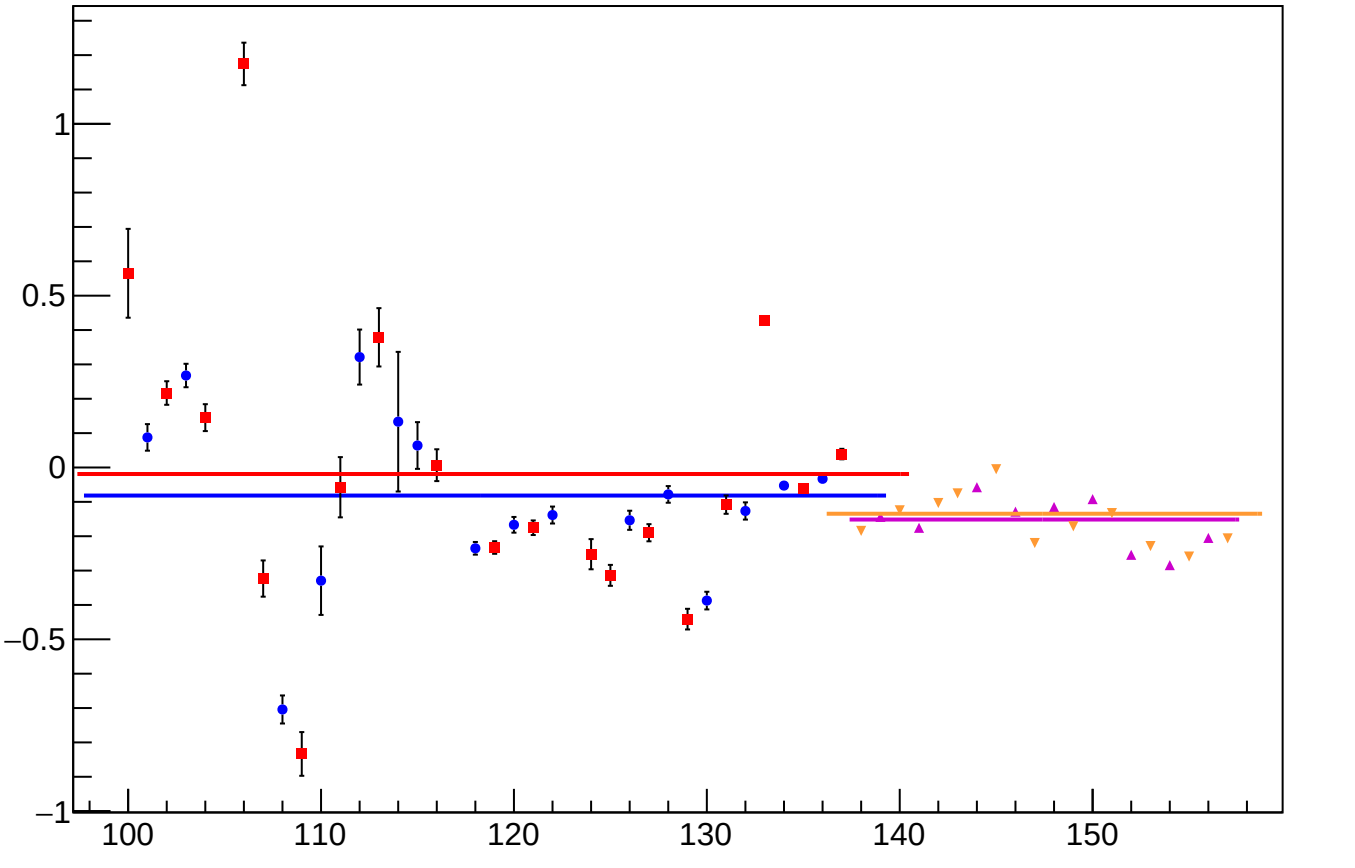
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.134+/-0.041 χ^2/NDF:14136.2/8

+ sign 23.418+/-0.037 χ^2/NDF: 30469.4/26

All: 22.785+/-0.026 χ^2/NDF: 75259.1/54

- sign 22.142+/-0.037 χ^2/NDF: 44187.2/27



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.135+/-0.002 χ^2/NDF:2049.8/10

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

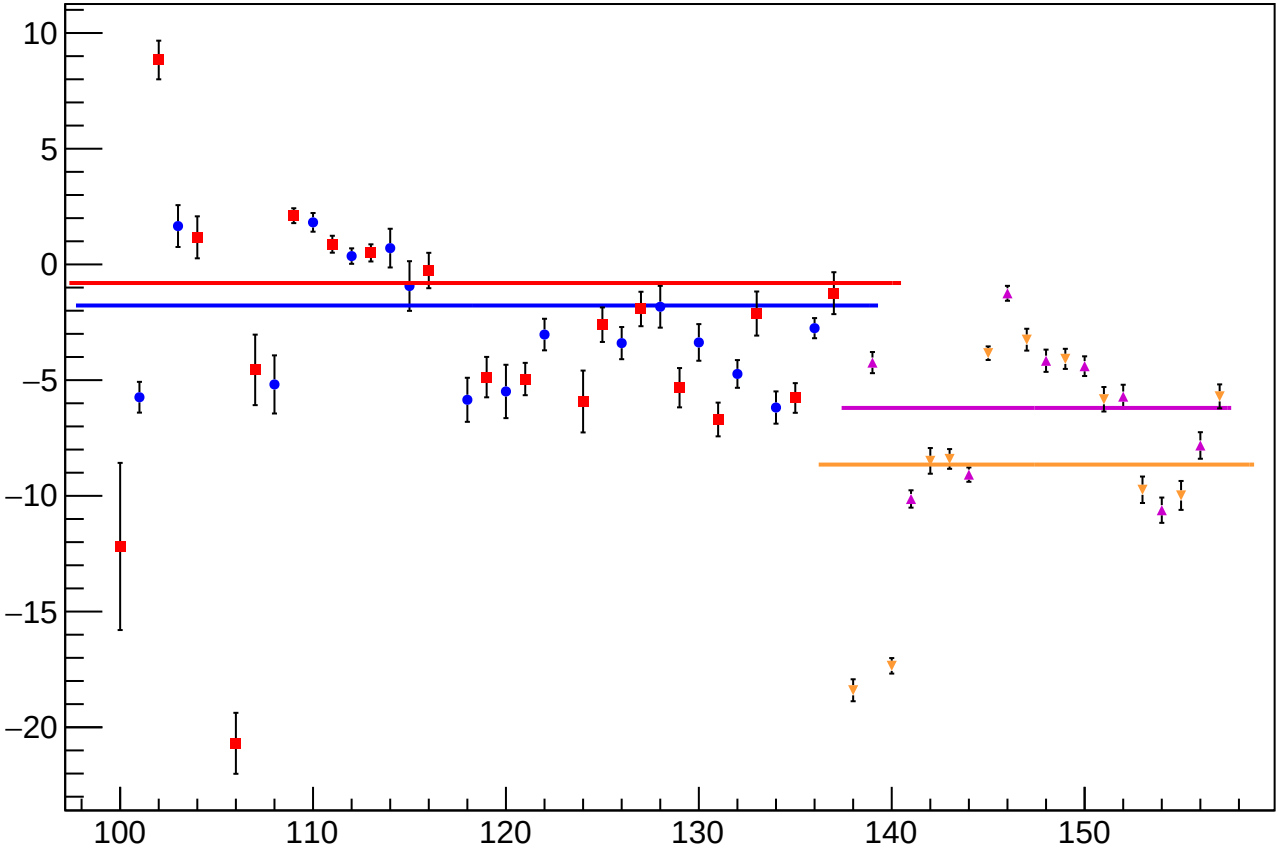
Left In: -0.151+/-0.002 χ^2/NDF:1281.9/8

+ sign -0.128+/-0.002 χ^2/NDF: 2843.1/26

All: -0.132+/-0.001 χ^2/NDF: 6981.2/54

- sign -0.136+/-0.002 χ^2/NDF: 4127.6/27

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.649+/-0.133 χ^2/NDF:1674.6/10

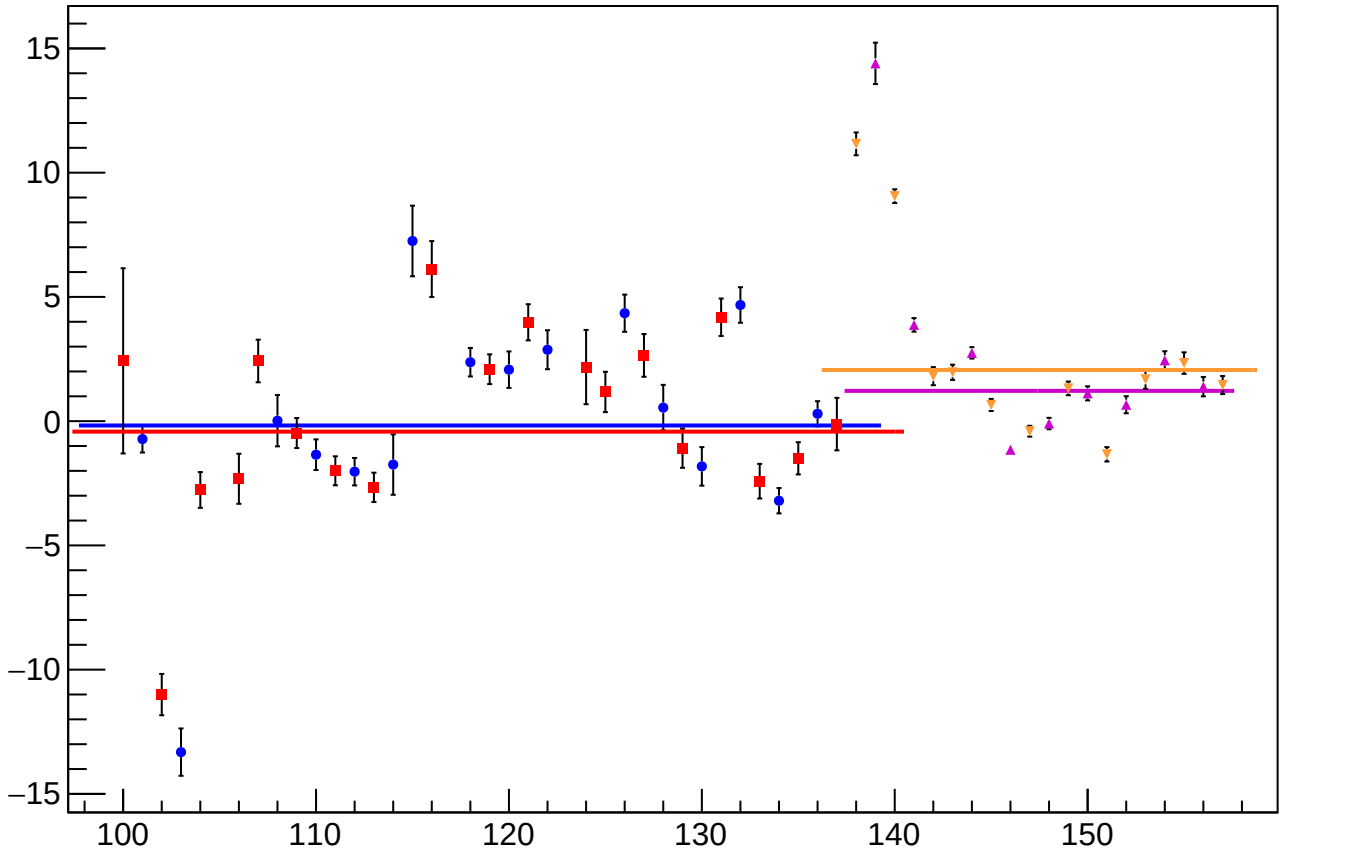
Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.201+/-0.139 χ^2/NDF:560.6/8

+ sign -5.776+/-0.102 χ^2/NDF: 3086.2/26

All: -4.726+/-0.072 χ^2/NDF: 5299.9/54

- sign -3.681+/-0.101 χ^2/NDF: 2000.6/27



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.060+/-0.092 χ^2/NDF:1343.5/10

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

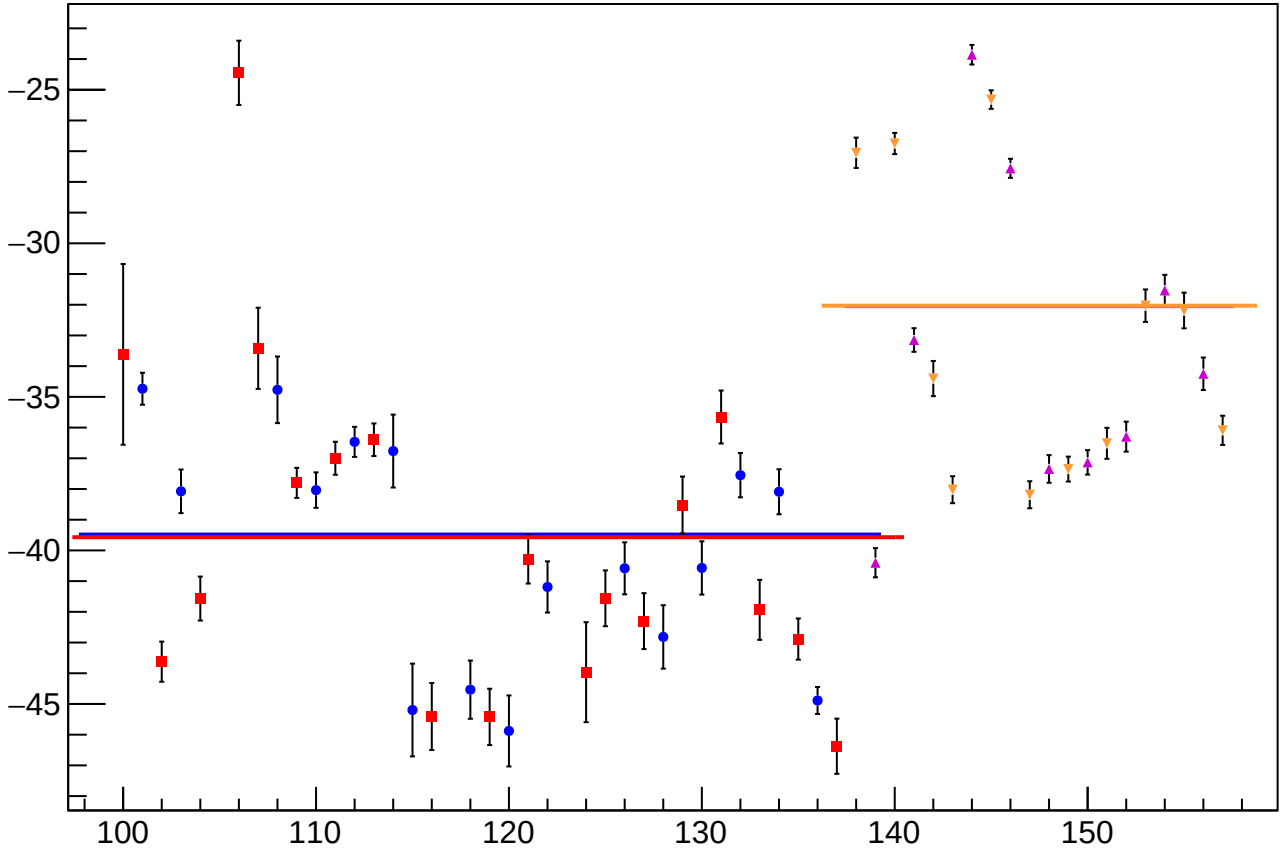
Left In: 1.220+/-0.093 χ^2/NDF:585.5/8

+ sign 1.569+/-0.081 χ^2/NDF: 1876.7/26

All: 1.223+/-0.058 χ^2/NDF: 2932.9/54

- sign 0.862+/-0.083 χ^2/NDF: 1018.9/27

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -32.031+/-0.131 χ^2/NDF:1554.5/10

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

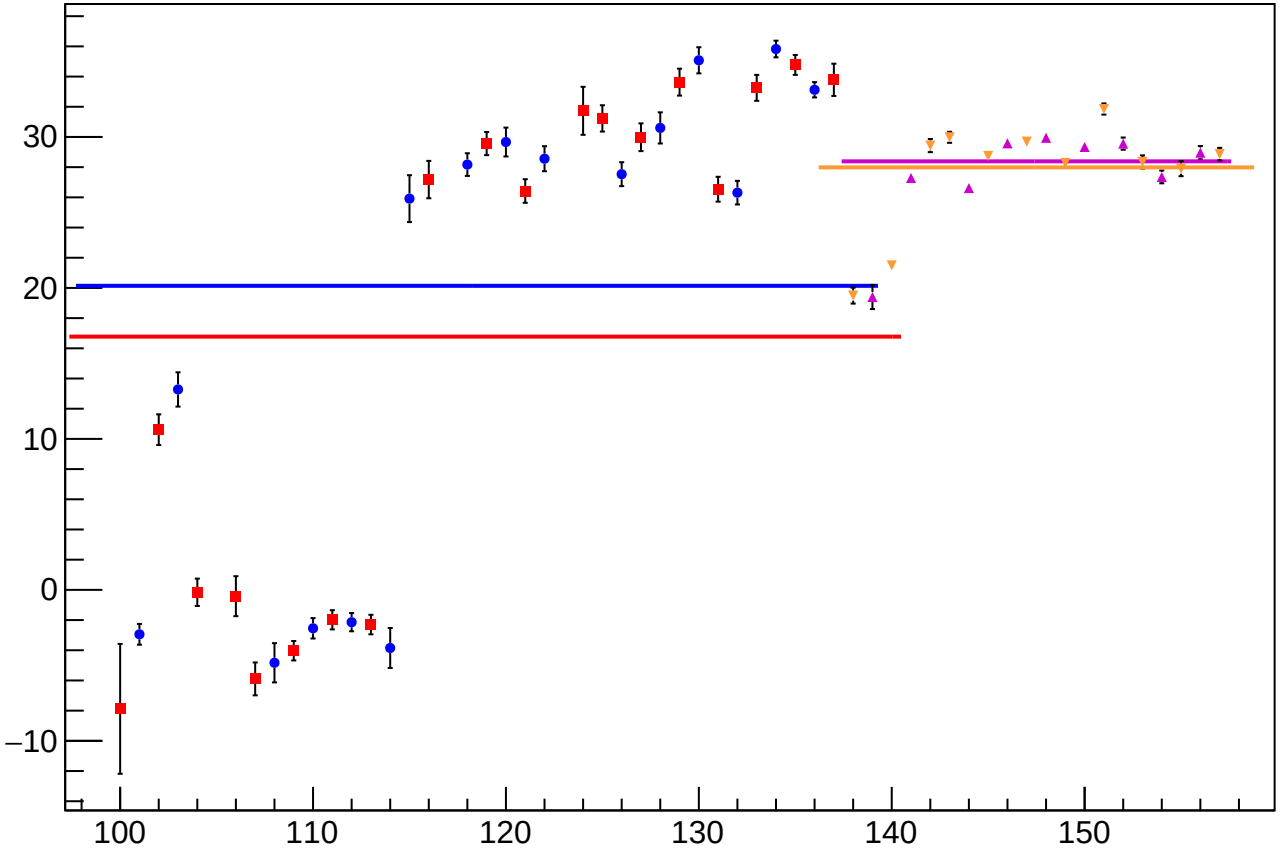
Left In: -32.044+/-0.136 χ^2/NDF:1577.6/8

+ sign -34.619+/-0.106 χ^2/NDF: 3079.8/26

All: -34.686+/-0.076 χ^2/NDF: 6317.9/54

- sign -34.755+/-0.109 χ^2/NDF: 3237.3/27

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.984+/-0.111 χ^2/NDF:834.5/10

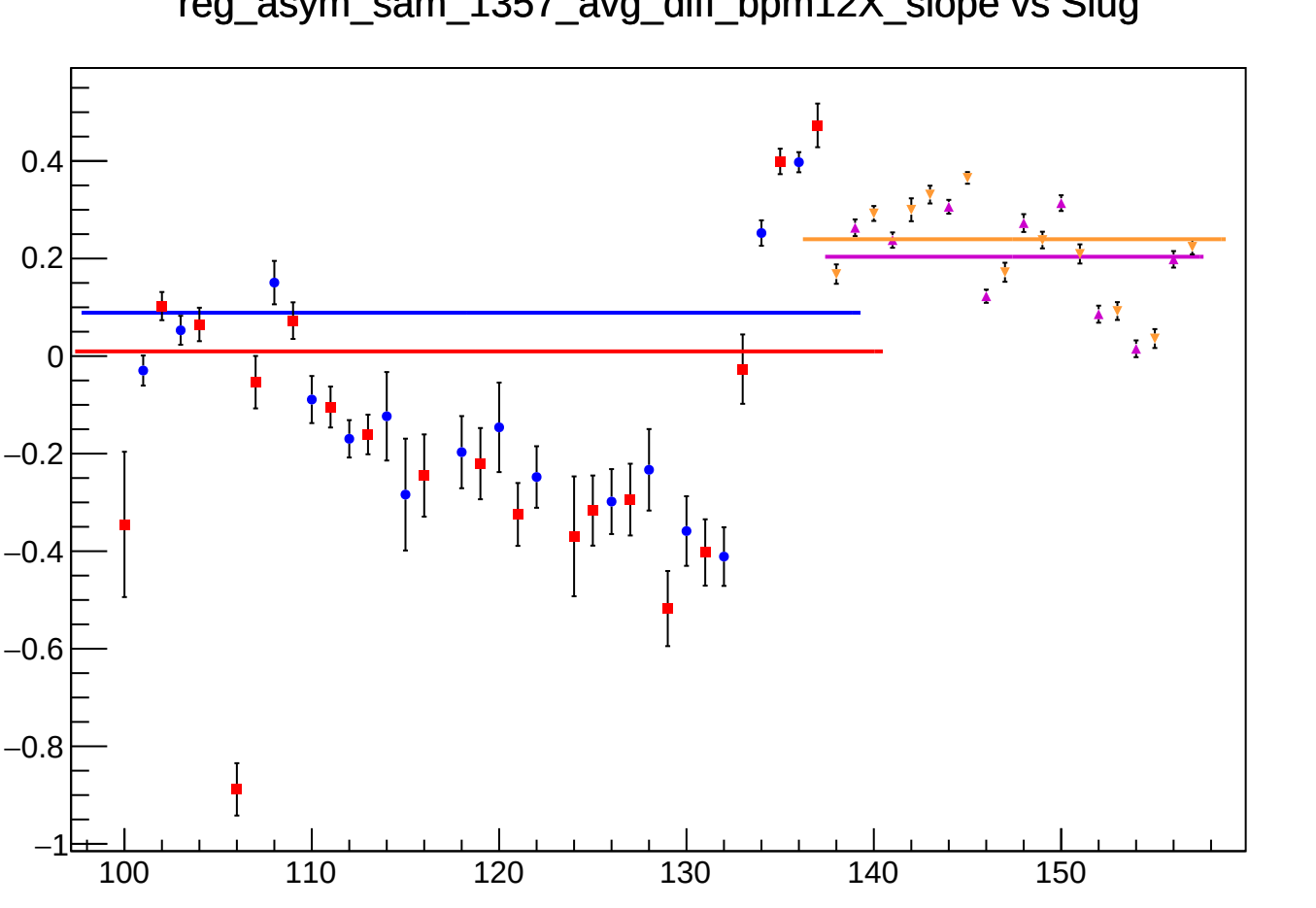
Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.385+/-0.113 χ^2/NDF:254.1/8

\+ sign 26.058+/-0.096 χ^2/NDF: 8743.6/26

All: 25.813+/-0.069 χ^2/NDF: 18306.6/54

\- sign 25.558+/-0.099 χ^2/NDF: 9549.9/27



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.240+/-0.005 χ^2/NDF:358.1/10

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

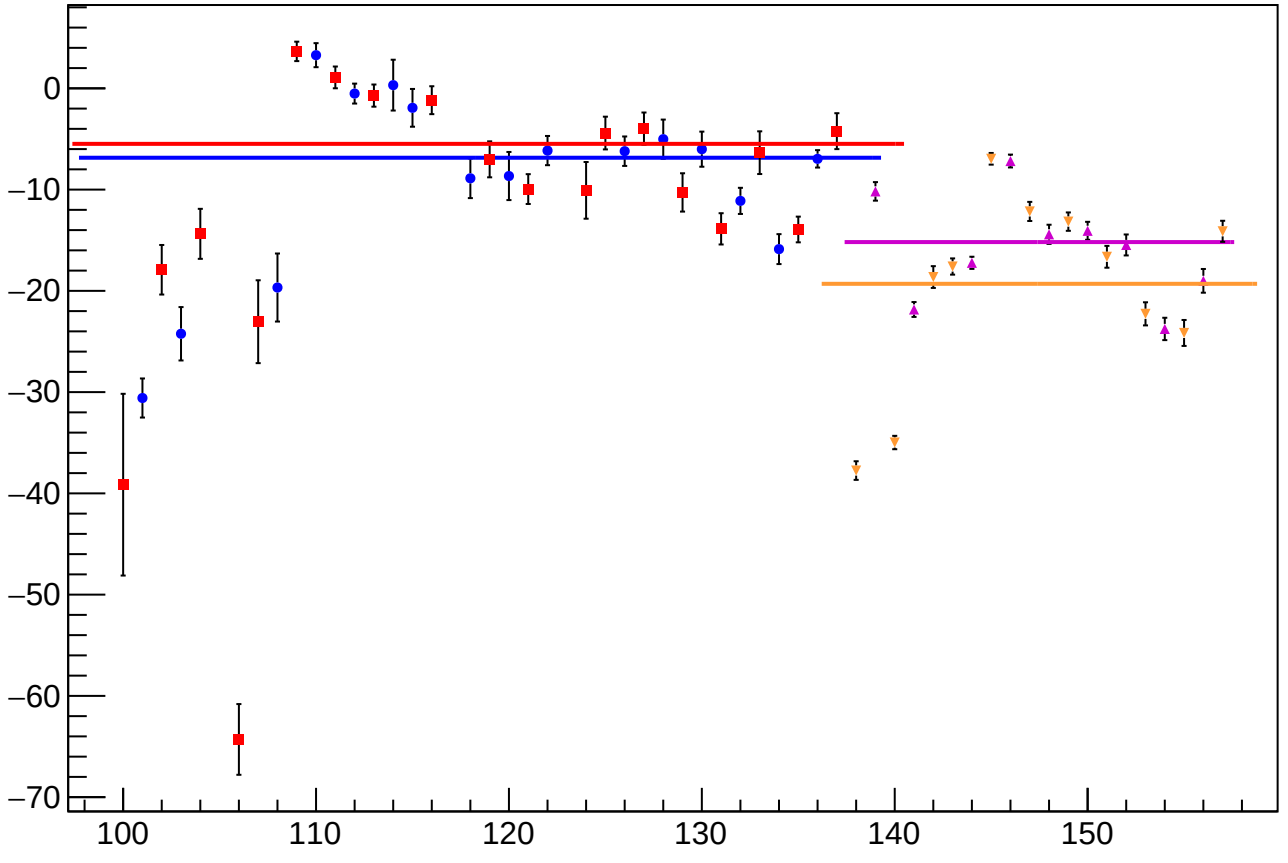
Left In: 0.204+/-0.005 χ^2/NDF:331.7/8

+ sign 0.210+/-0.005 χ^2/NDF: 1089.7/26

All: 0.189+/-0.003 χ^2/NDF: 2548.4/54

- sign 0.167+/-0.005 χ^2/NDF: 1417.5/27

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.304+/-0.263 χ^2/NDF:1584.6/10

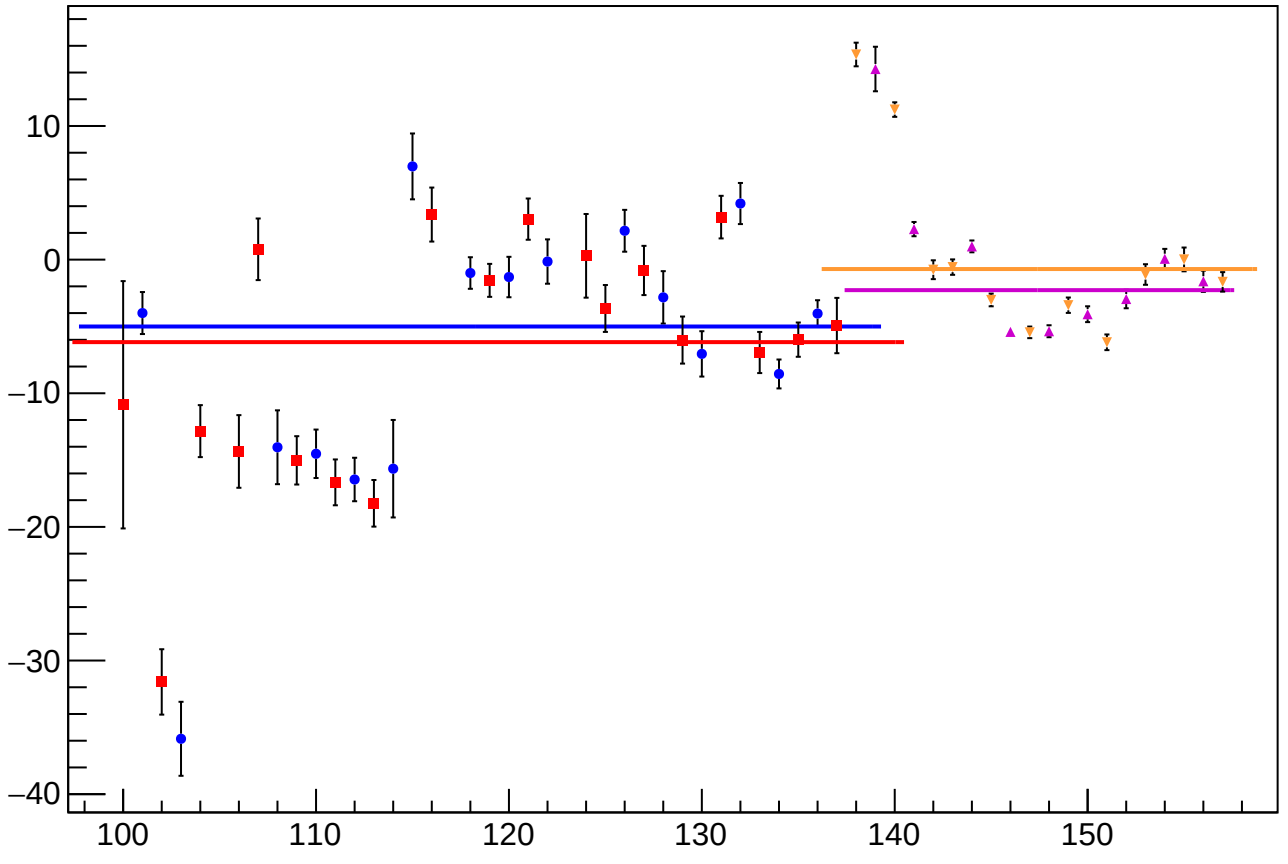
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -15.182+/-0.276 χ^2/NDF:356.0/8

+ sign -15.198+/-0.216 χ^2/NDF: 2711.2/26

All: -13.494+/-0.154 χ^2/NDF: 4245.0/54

- sign -11.709+/-0.221 χ^2/NDF: 1406.1/27



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.704+/-0.182 χ^2/NDF:1065.1/10

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

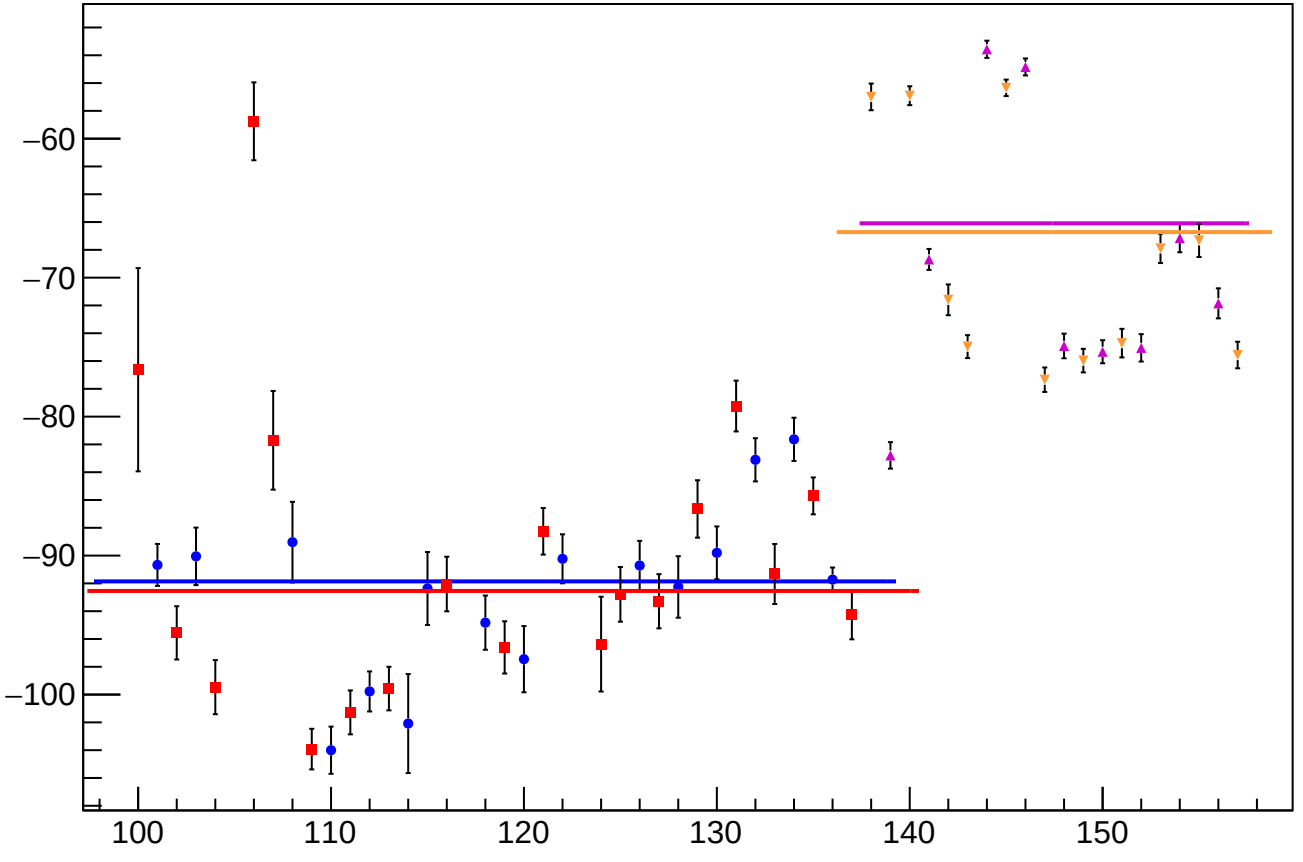
Left In: -2.283+/-0.185 χ^2/NDF:363.6/8

+ sign -1.457+/-0.165 χ^2/NDF: 1504.4/26

All: -2.174+/-0.118 χ^2/NDF: 2348.5/54

- sign -2.921+/-0.169 χ^2/NDF: 805.6/27

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.724+/-0.261 χ^2/NDF:1149.6/10

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

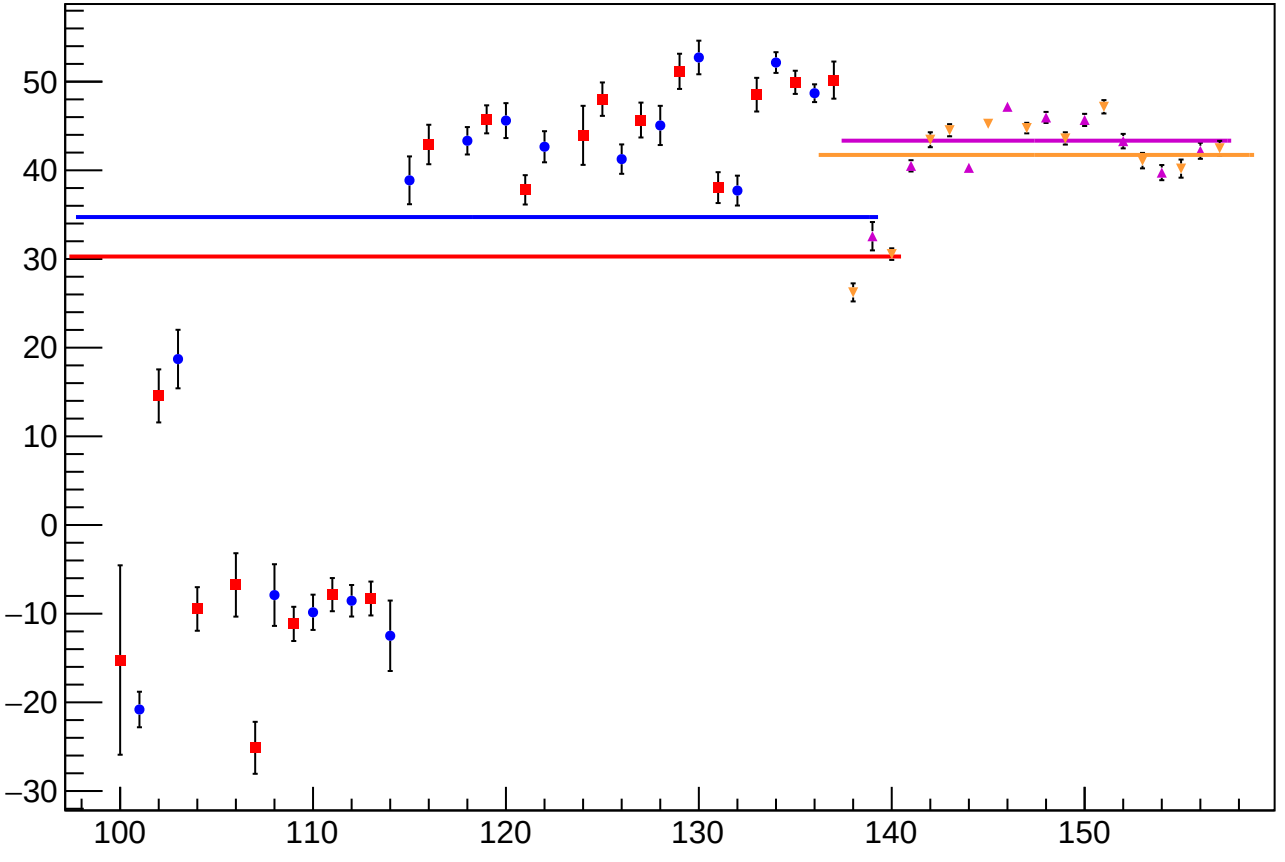
Left In: -66.092+/-0.270 χ^2/NDF:1402.8/8

+ sign -73.619+/-0.222 χ^2/NDF: 3875.9/26

All: -73.487+/-0.160 χ^2/NDF: 8299.3/54

- sign -73.345+/-0.230 χ^2/NDF: 4422.7/27

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.736+/-0.220 χ^2/NDF:673.6/10

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

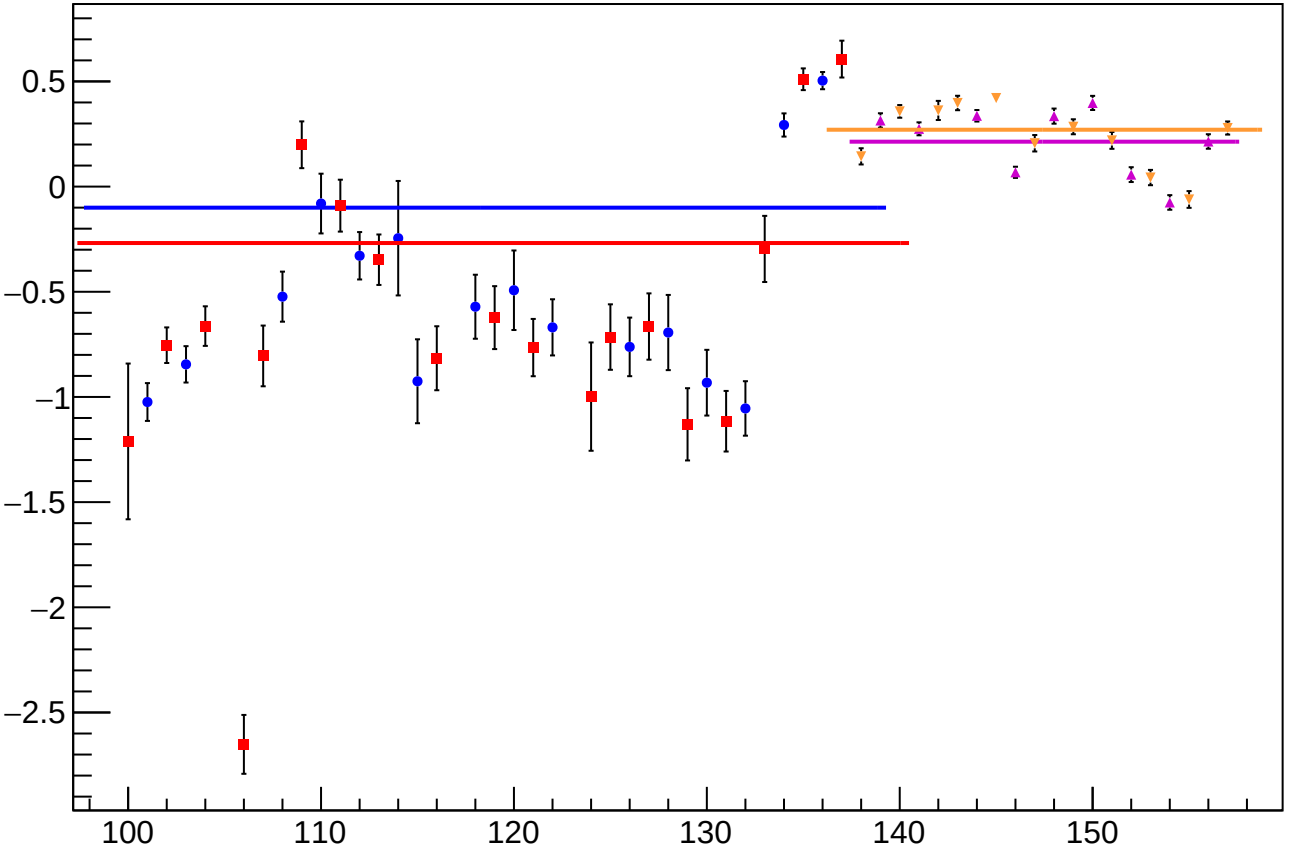
Left In: 43.343+/-0.224 χ^2/NDF:214.5/8

+ sign 40.340+/-0.197 χ^2/NDF: 3684.1/26

All: 40.609+/-0.141 χ^2/NDF: 7449.1/54

- sign 40.893+/-0.202 χ^2/NDF: 3761.2/27

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.270+/-0.010 χ^2/NDF:190.9/10

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

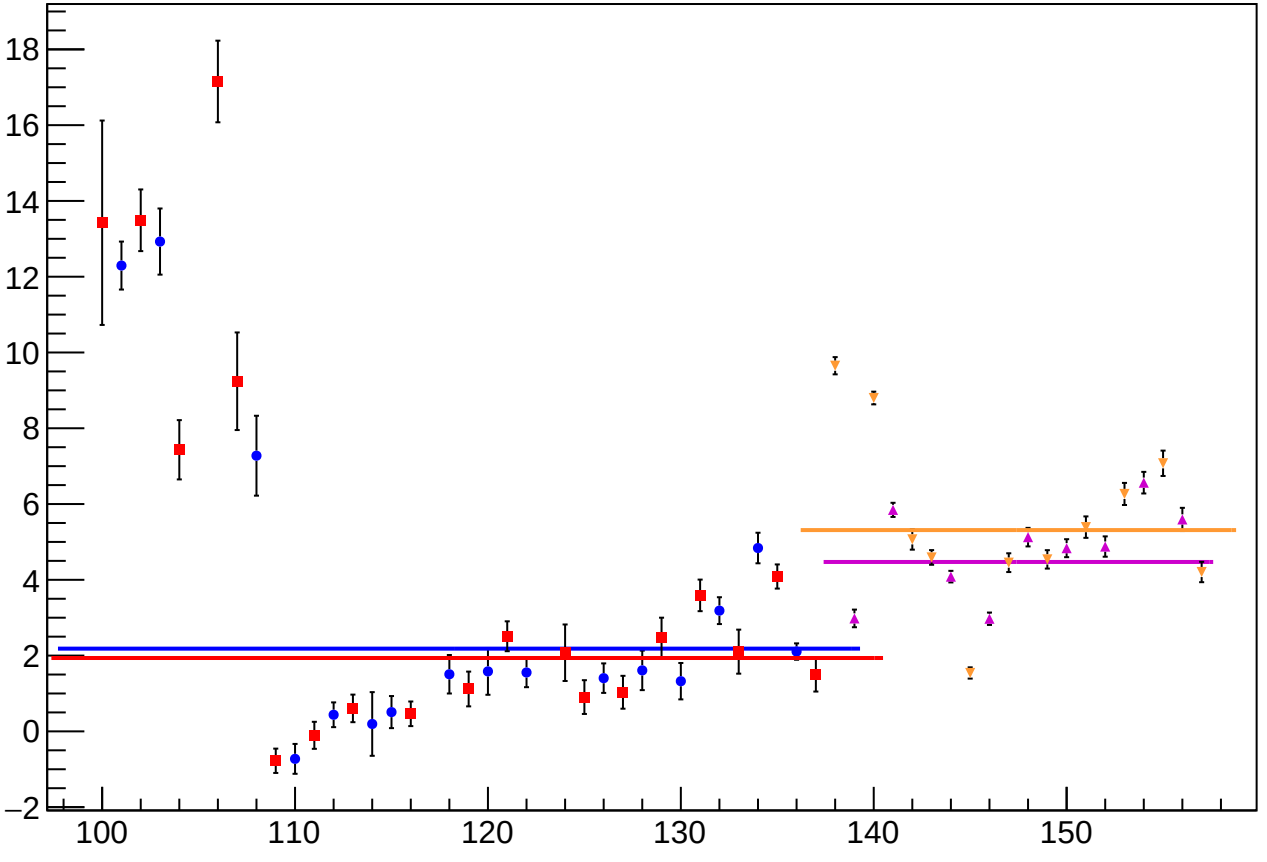
Left In: 0.214+/-0.011 χ^2/NDF:193.2/8

+ sign 0.213+/-0.009 χ^2/NDF: 1023.2/26

All: 0.181+/-0.007 χ^2/NDF: 2350.1/54

- sign 0.146+/-0.010 χ^2/NDF: 1302.9/27

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.313+/-0.067 χ^2/NDF:1531.3/10

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

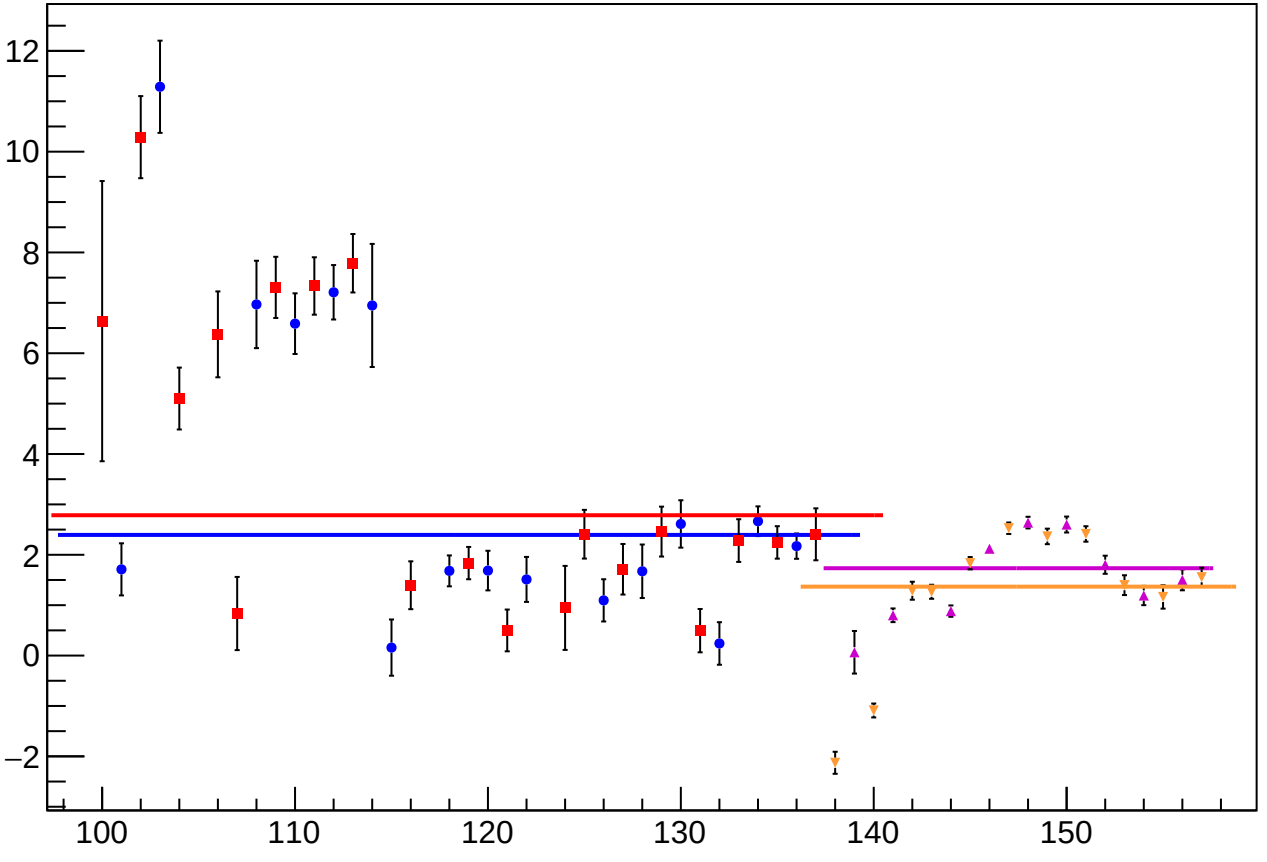
Left In: 4.471+/-0.071 χ^2/NDF:265.0/8

+ sign 4.400+/-0.057 χ^2/NDF: 2759.9/26

All: 4.055+/-0.041 χ^2/NDF: 4216.9/54

- sign 3.682+/-0.059 χ^2/NDF: 1379.7/27

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.368+/-0.047 χ^2/NDF:781.0/10

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

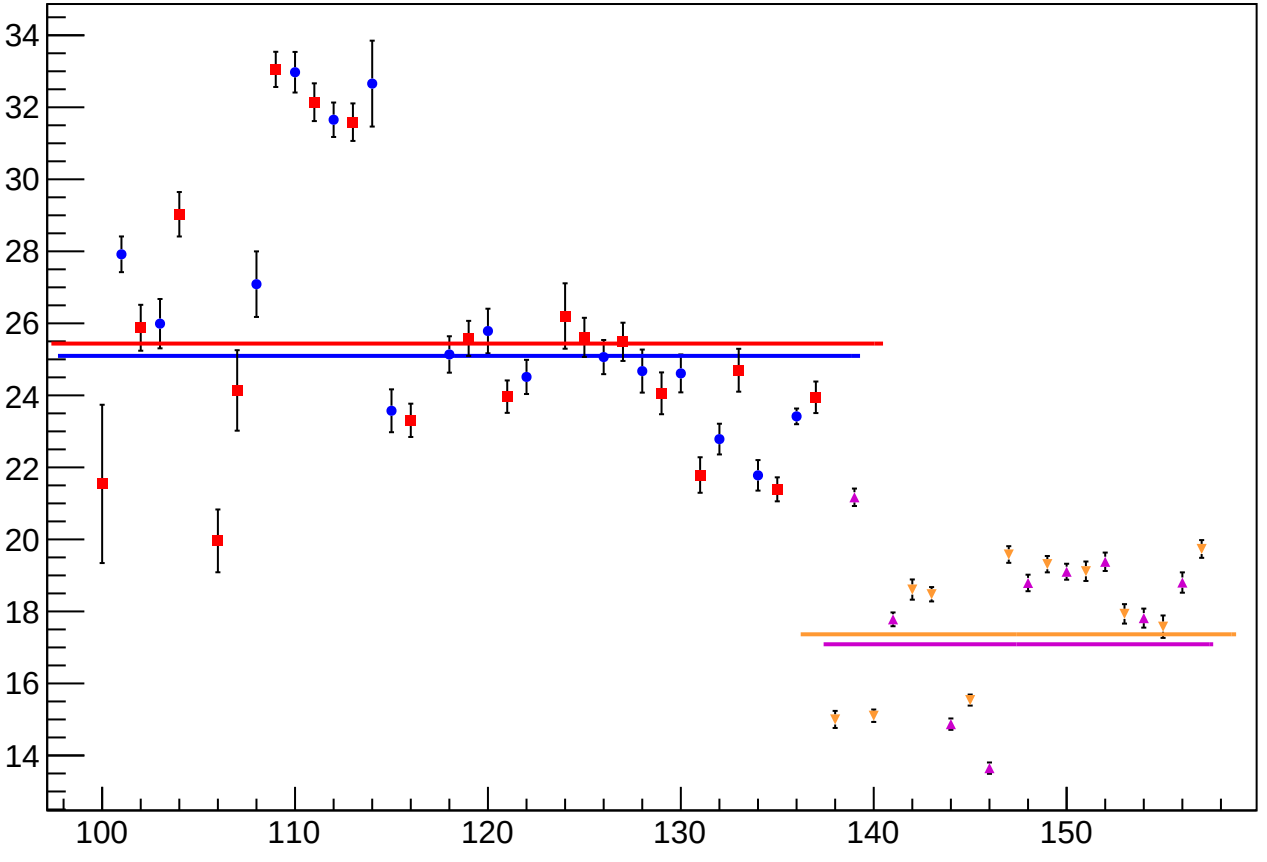
Left In: 1.733+/-0.047 χ^2/NDF:237.3/8

\+ sign 1.529+/-0.043 χ^2/NDF: 1190.6/26

All: 1.702+/-0.031 χ^2/NDF: 1942.9/54

\- sign 1.884+/-0.044 χ^2/NDF: 718.8/27

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.365+/-0.067 χ^2/NDF:769.1/10

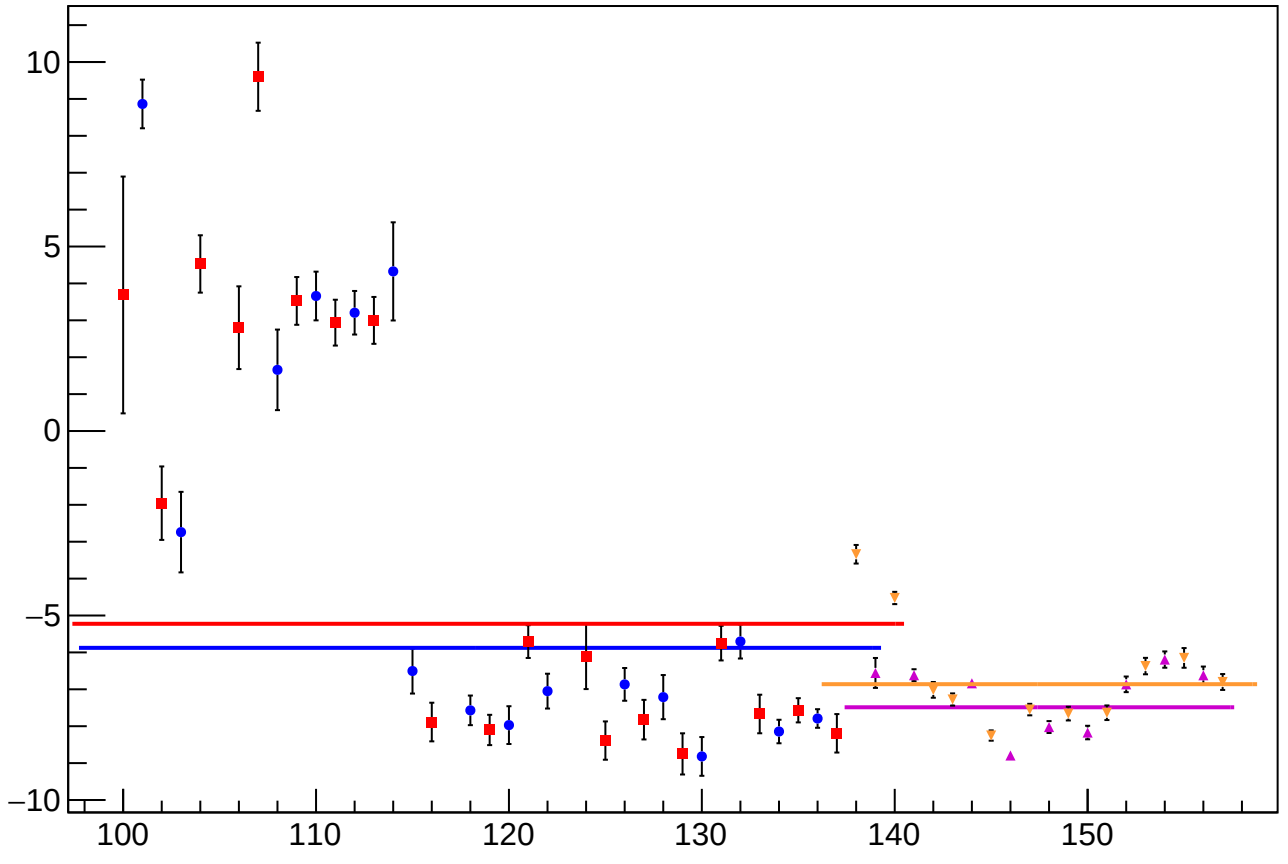
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 17.088+/-0.070 χ^2/NDF:1237.2/8

+ sign 19.251+/-0.058 χ^2/NDF: 4663.3/26

All: 19.172+/-0.042 χ^2/NDF: 10230.3/54

- sign 19.086+/-0.061 χ^2/NDF: 5563.1/27



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.861+/-0.057 χ^2/NDF:563.3/10

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

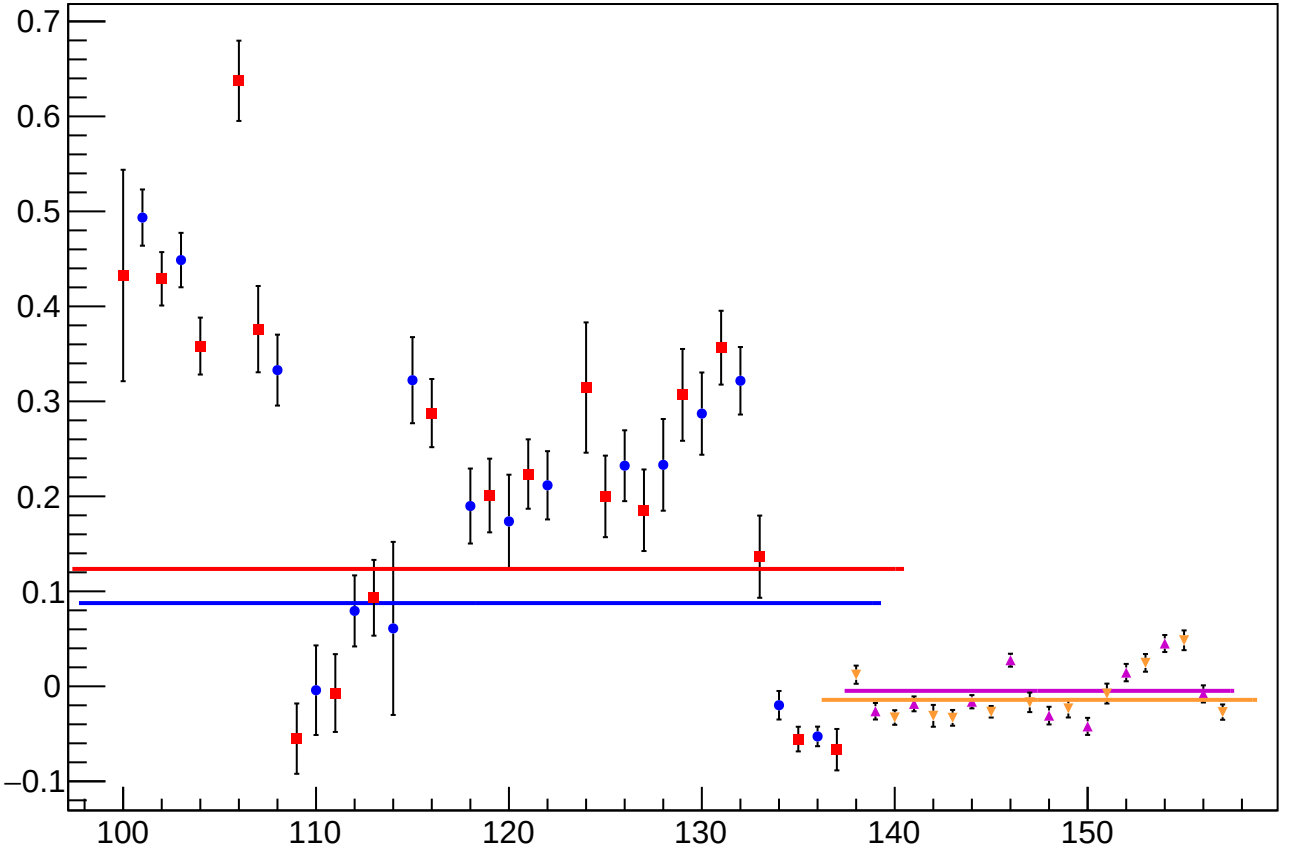
Left In: -7.487+/-0.058 χ^2/NDF:258.5/8

+ sign -6.684+/-0.051 χ^2/NDF: 1869.3/26

All: -6.891+/-0.037 χ^2/NDF: 3708.5/54

- sign -7.112+/-0.053 χ^2/NDF: 1805.3/27

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.014+/-0.003 χ^2/NDF:82.9/10

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

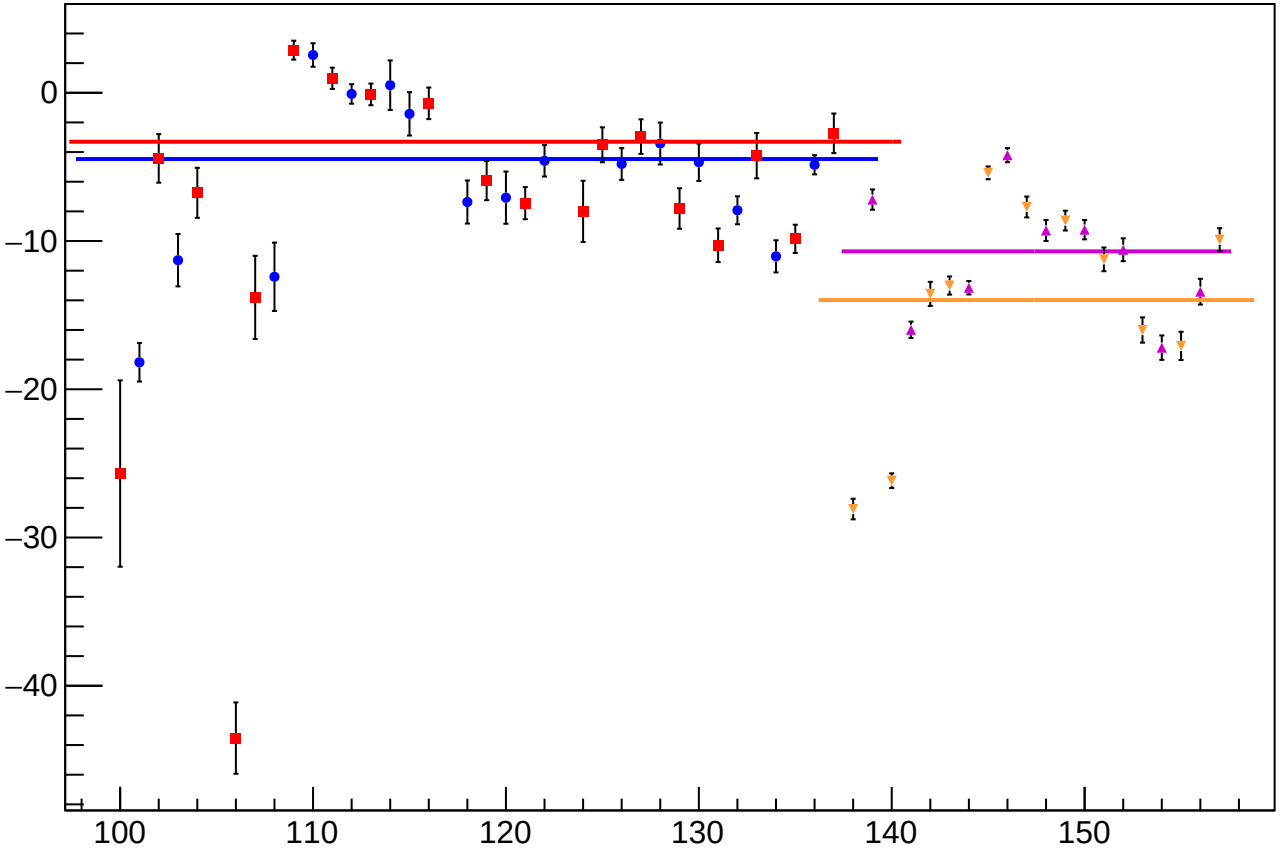
Left In: -0.005+/-0.003 χ^2/NDF:94.9/8

+ sign -0.000+/-0.002 χ^2/NDF: 1056.6/26

All: 0.005+/-0.002 χ^2/NDF: 2192.5/54

- sign 0.011+/-0.003 χ^2/NDF: 1126.0/27

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -13.982+/-0.198 χ^2/NDF:1609.6/10

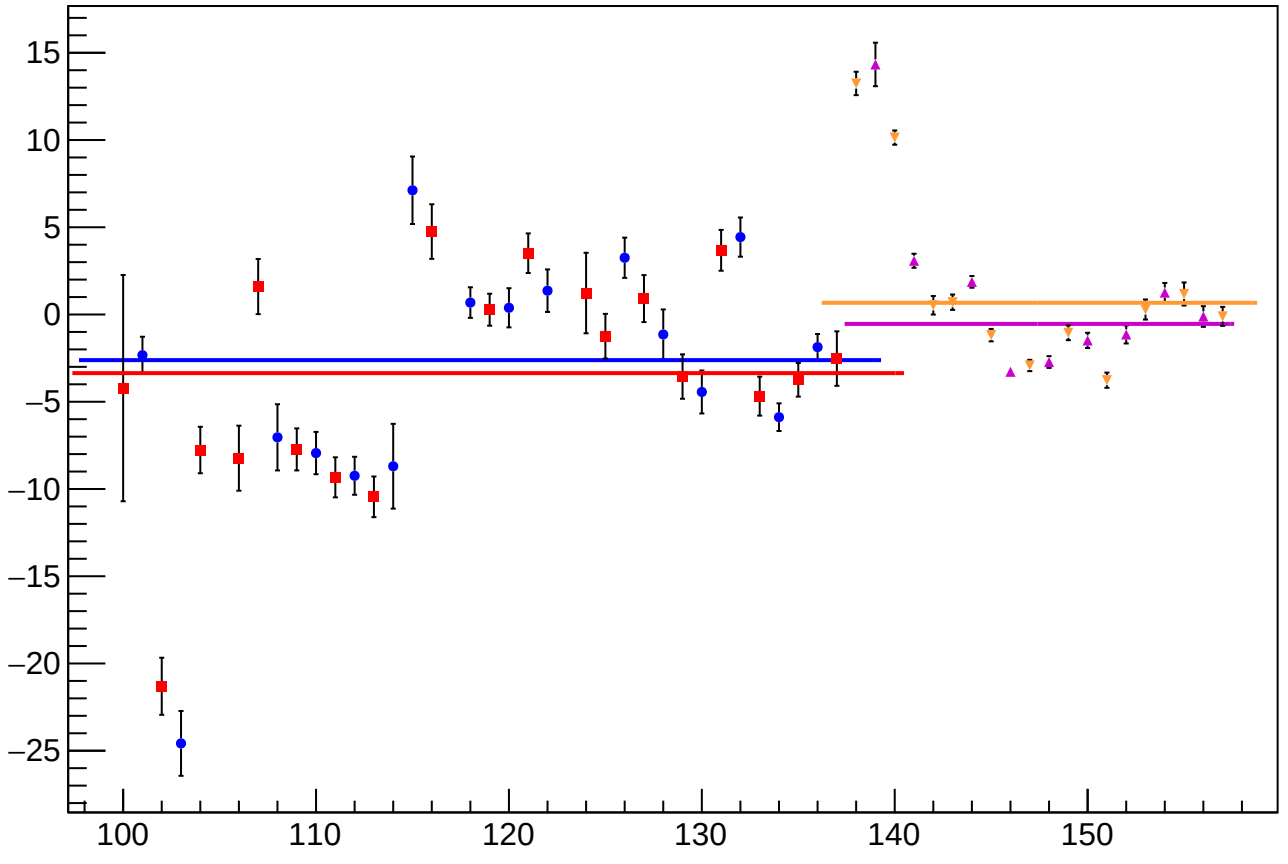
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.698+/-0.206 χ^2/NDF:413.6/8

+ sign -10.639+/-0.159 χ^2/NDF: 2755.6/26

All: -9.269+/-0.113 χ^2/NDF: 4399.4/54

- sign -7.851+/-0.162 χ^2/NDF: 1492.9/27



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.671+/-0.136 χ^2/NDF:1160.7/10

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

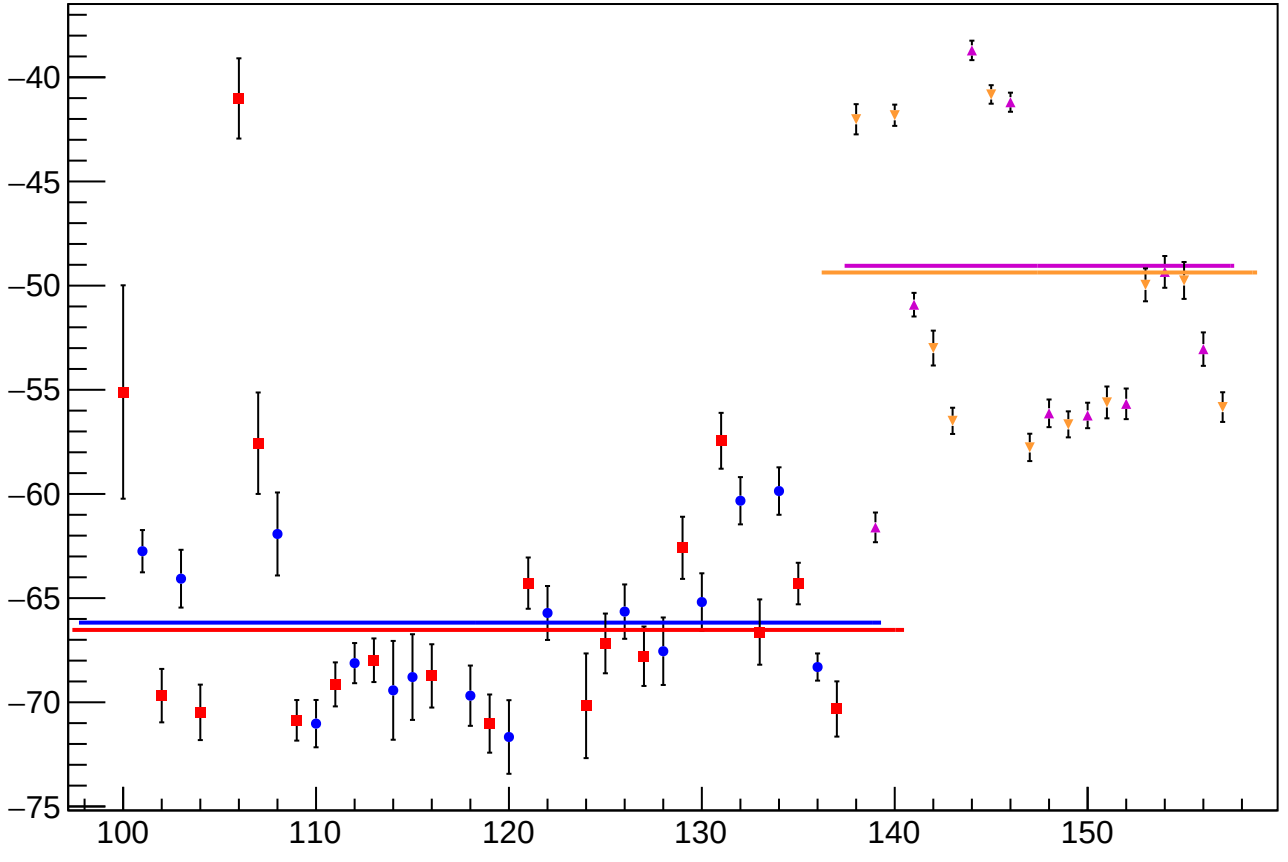
Left In: -0.539+/-0.138 χ^2/NDF:428.0/8

+ sign 0.061+/-0.123 χ^2/NDF: 1620.3/26

All: -0.477+/-0.088 χ^2/NDF: 2520.3/54

- sign -1.037+/-0.126 χ^2/NDF: 861.0/27

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -49.370+/-0.195 χ^2/NDF:1287.1/10

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

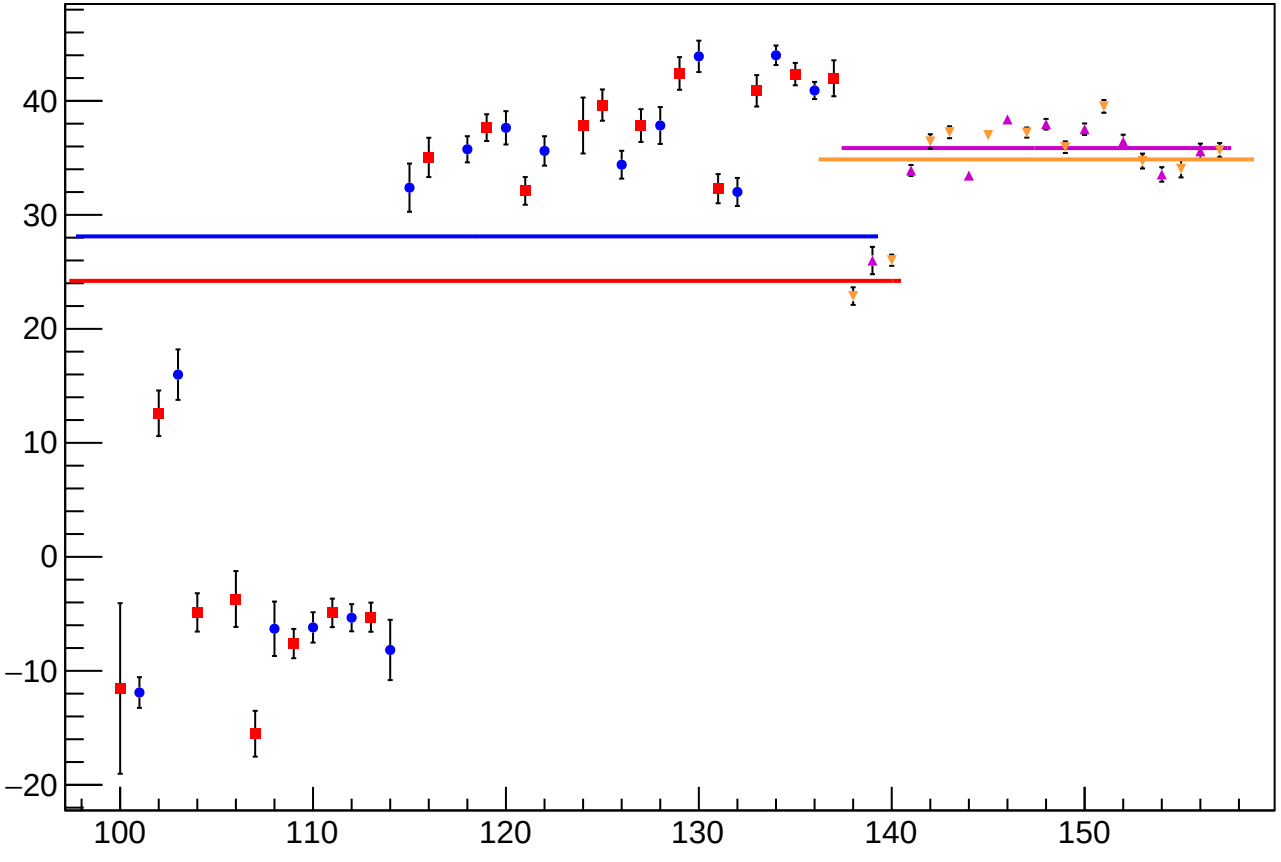
Left In: -49.048+/-0.202 χ^2/NDF:1462.6/8

+ sign -54.275+/-0.164 χ^2/NDF: 3575.8/26

All: -54.240+/-0.118 χ^2/NDF: 7566.2/54

- sign -54.203+/-0.170 χ^2/NDF: 3990.3/27

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.864+/-0.165 χ^2/NDF:722.3/10

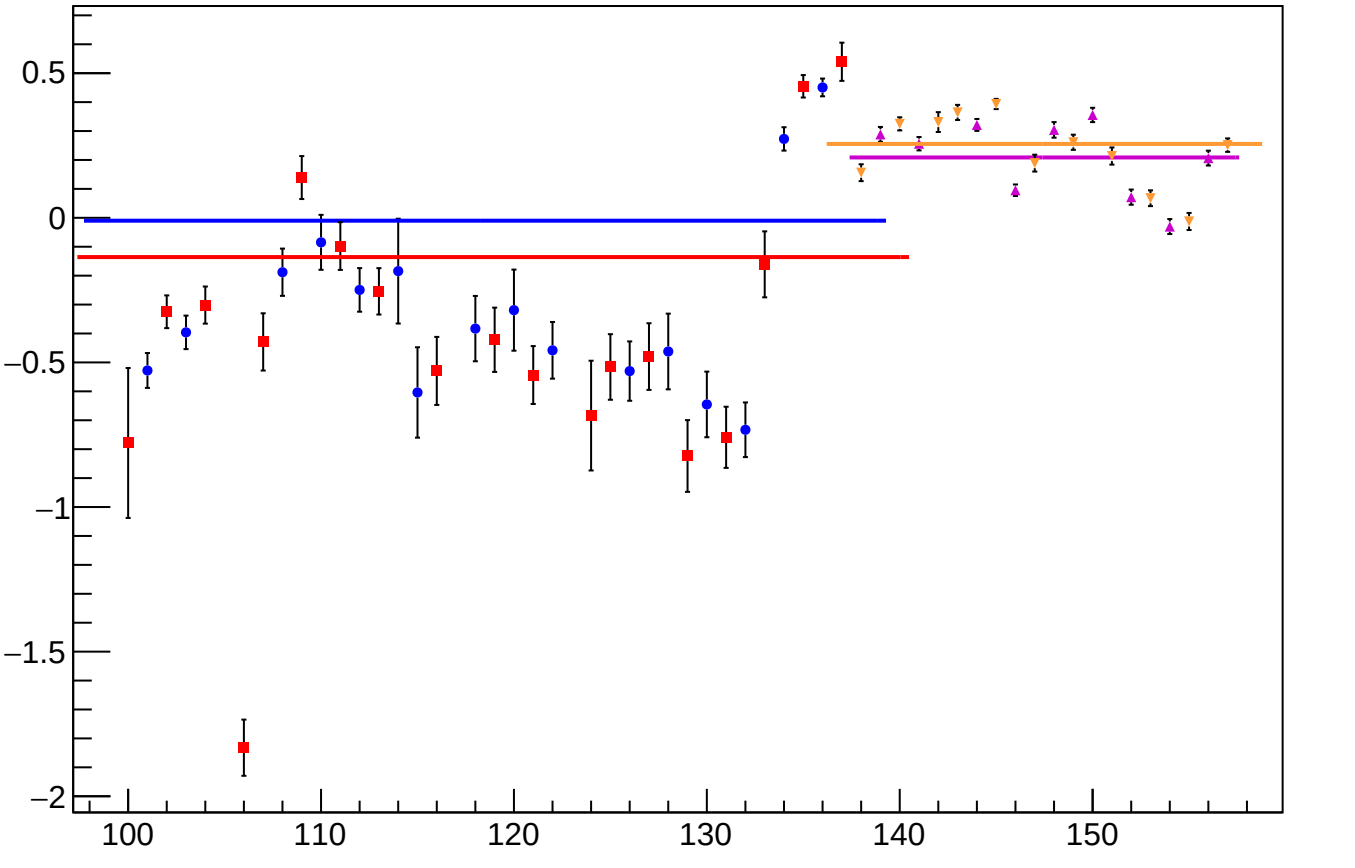
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.860+/-0.168 χ^2/NDF:217.6/8

+ sign 33.444+/-0.147 χ^2/NDF: 4801.7/26

All: 33.482+/-0.105 χ^2/NDF: 9824.0/54

- sign 33.522+/-0.150 χ^2/NDF: 5022.2/27



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.255+/-0.008 χ^2/NDF:241.6/10

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

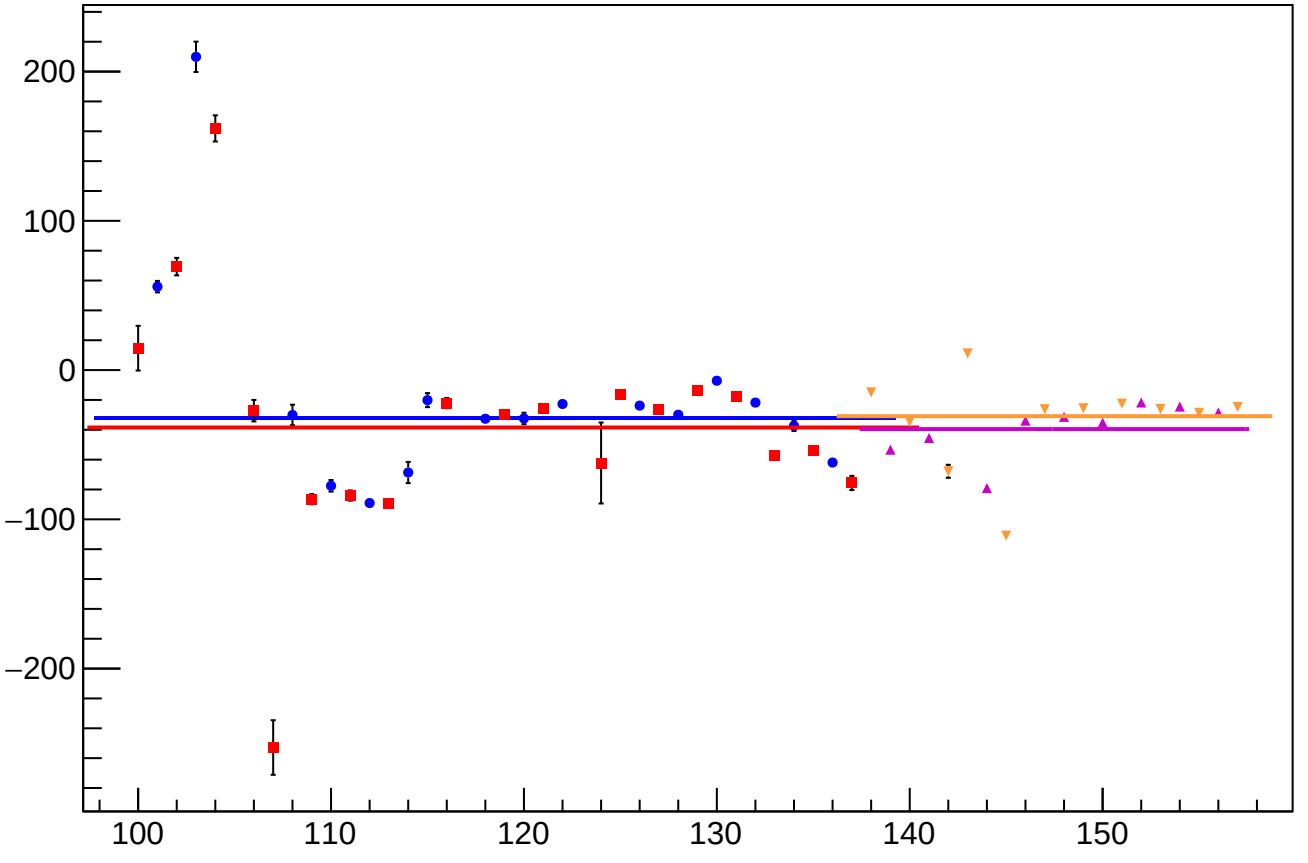
Left In: 0.209+/-0.008 χ^2/NDF:235.9/8

+ sign 0.211+/-0.007 χ^2/NDF: 1024.6/26

All: 0.185+/-0.005 χ^2/NDF: 2392.0/54

- sign 0.156+/-0.007 χ^2/NDF: 1338.0/27

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -30.882+/-0.892 χ^2/NDF:923.0/10

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

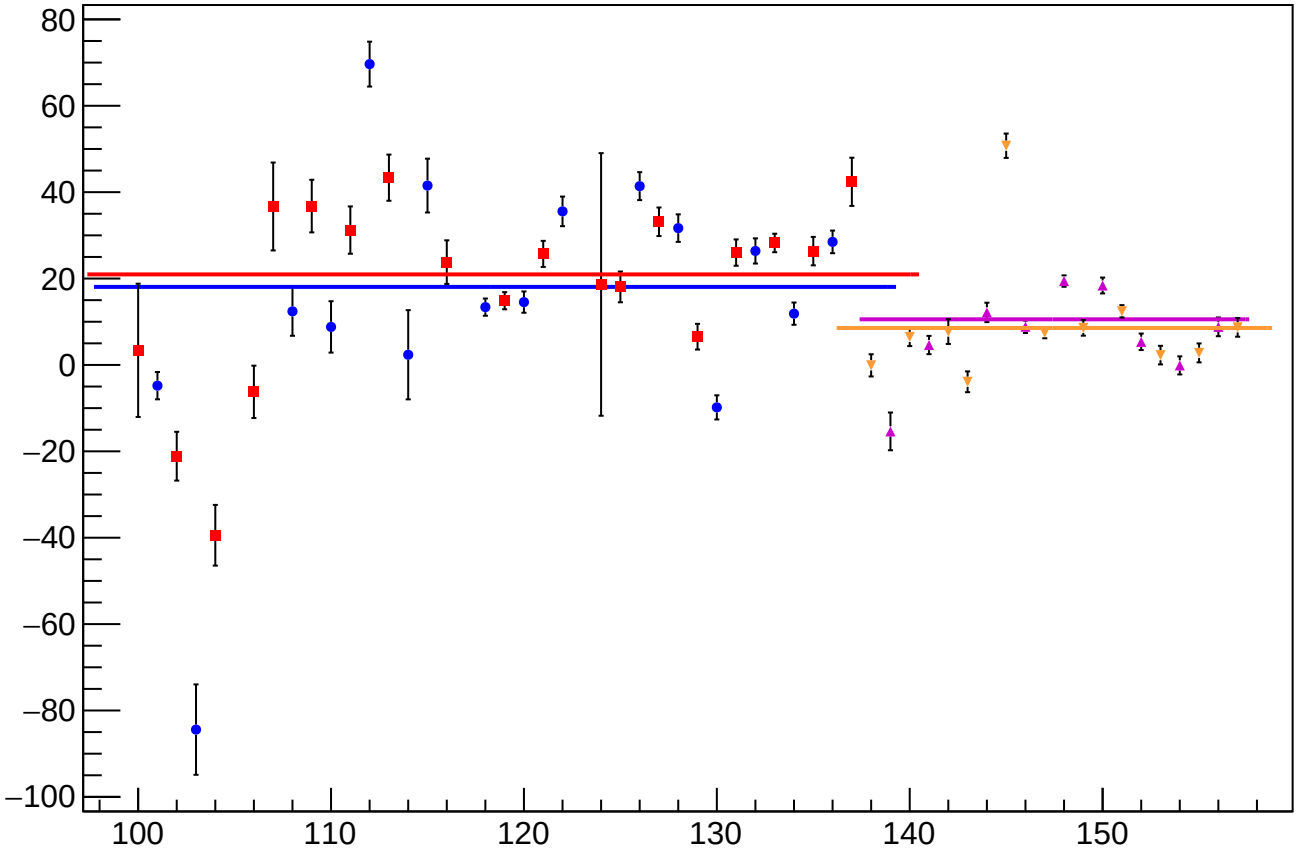
Left In: -39.516+/-0.938 χ^2/NDF:297.0/8

+ sign -31.535+/-0.613 χ^2/NDF: 2801.4/26

All: -35.103+/-0.441 χ^2/NDF: 5142.1/54

- sign -38.946+/-0.636 χ^2/NDF: 2270.2/27

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.559+/-0.595 χ^2/NDF:287.2/10

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

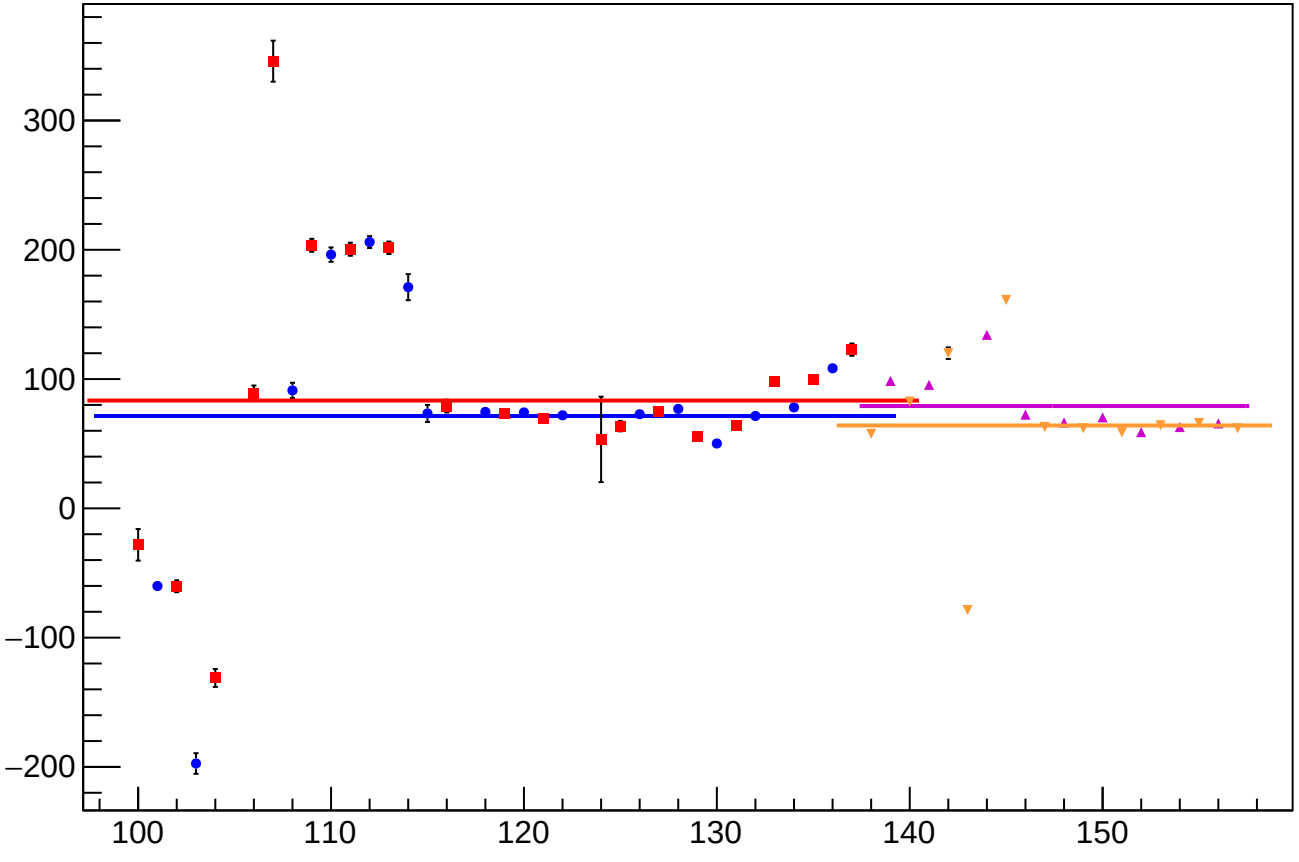
Left In: 10.563+/-0.629 χ^2/NDF:142.3/8

+ sign 11.823+/-0.482 χ^2/NDF: 874.5/26

All: 12.916+/-0.350 χ^2/NDF: 1384.4/54

- sign 14.137+/-0.509 χ^2/NDF: 499.0/27

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.102+/-0.868 χ^2/NDF:2877.0/10

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

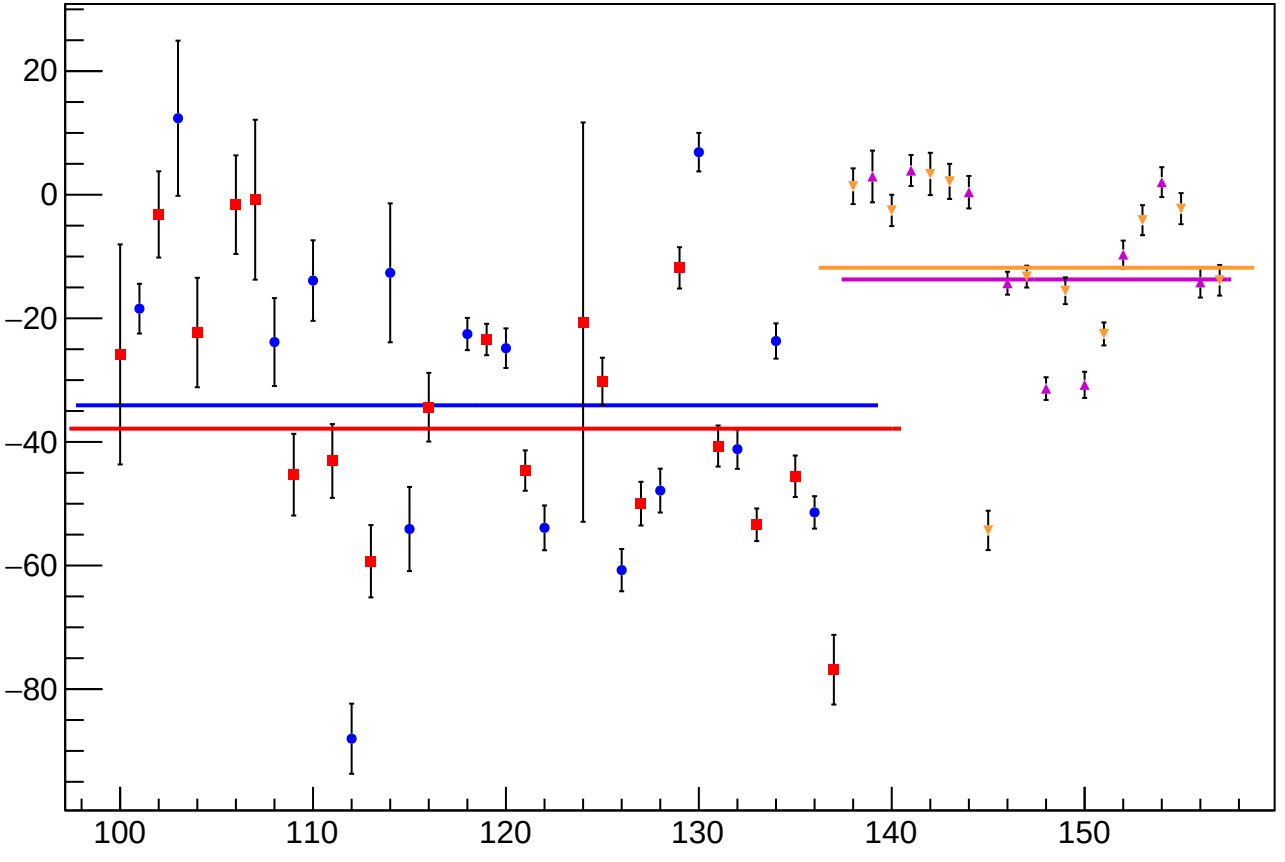
Left In: 79.147+/-0.910 χ^2/NDF:550.7/8

+ sign 67.506+/-0.635 χ^2/NDF: 7729.6/26

All: 73.955+/-0.460 χ^2/NDF: 12804.9/54

- sign 81.098+/-0.668 χ^2/NDF: 4858.0/27

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.814+/-0.726 χ^2/NDF:317.9/10

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

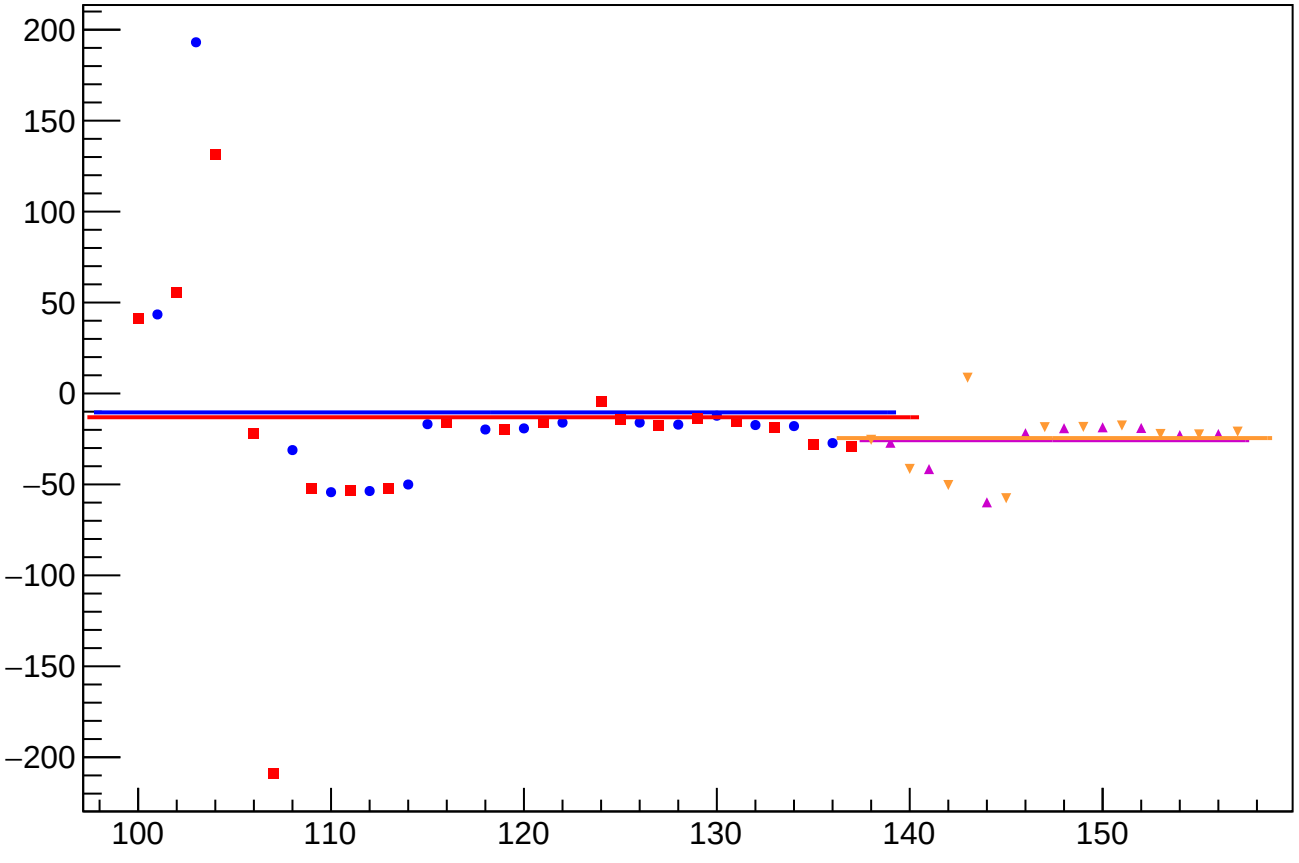
Left In: -13.709+/-0.766 χ^2/NDF:297.1/8

+ sign -20.114+/-0.575 χ^2/NDF: 1179.2/26

All: -21.343+/-0.417 χ^2/NDF: 2130.9/54

- sign -22.709+/-0.607 χ^2/NDF: 942.0/27

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -24.528+/-0.034 χ^2/NDF:175983.1/10

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

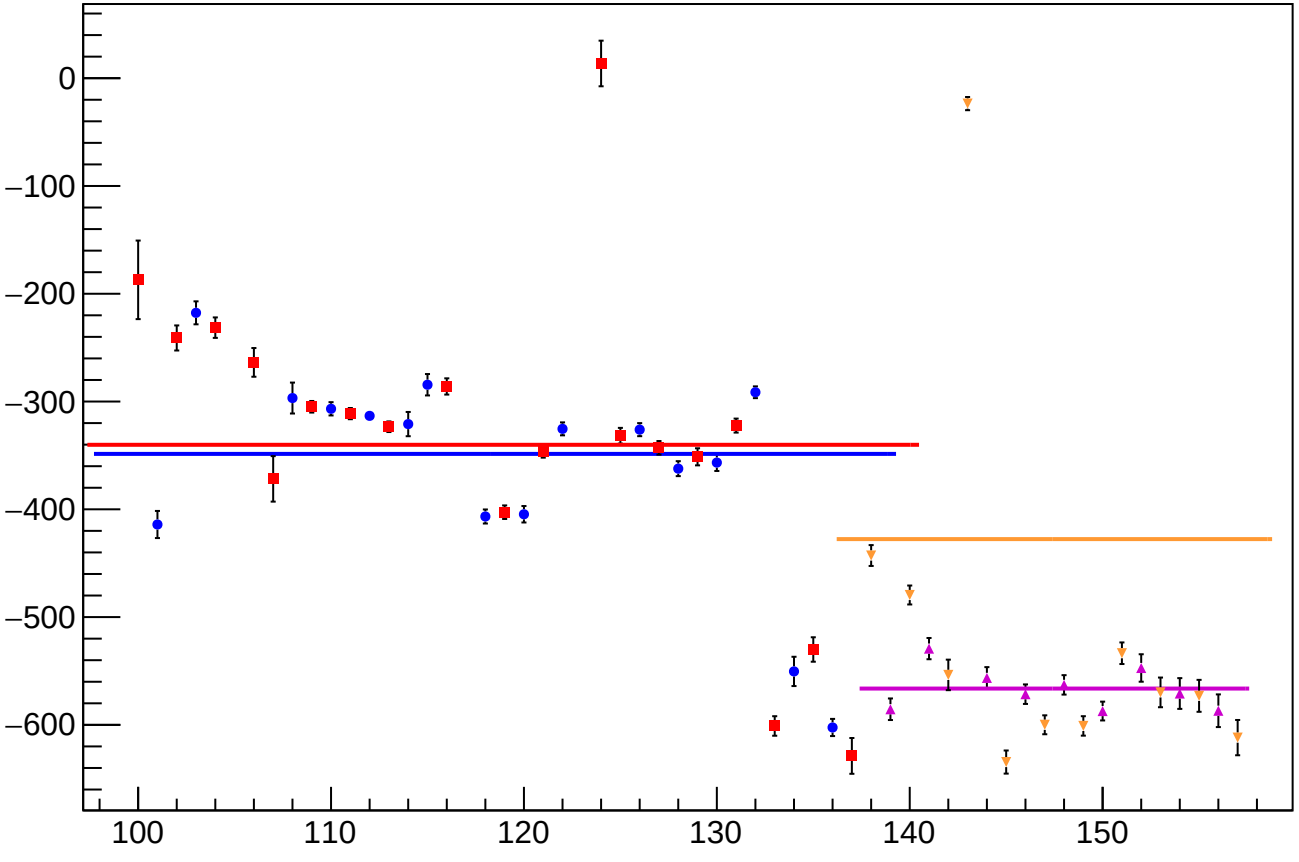
Left In: -25.690+/-0.035 χ^2/NDF:93861.7/8

+ sign -20.874+/-0.029 χ^2/NDF: 744154.2/26

All: -21.770+/-0.021 χ^2/NDF: 1320768.9/54

- sign -22.750+/-0.030 χ^2/NDF: 574603.8/27

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -427.640+/-2.978 χ^2/NDF:6041.8/10

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

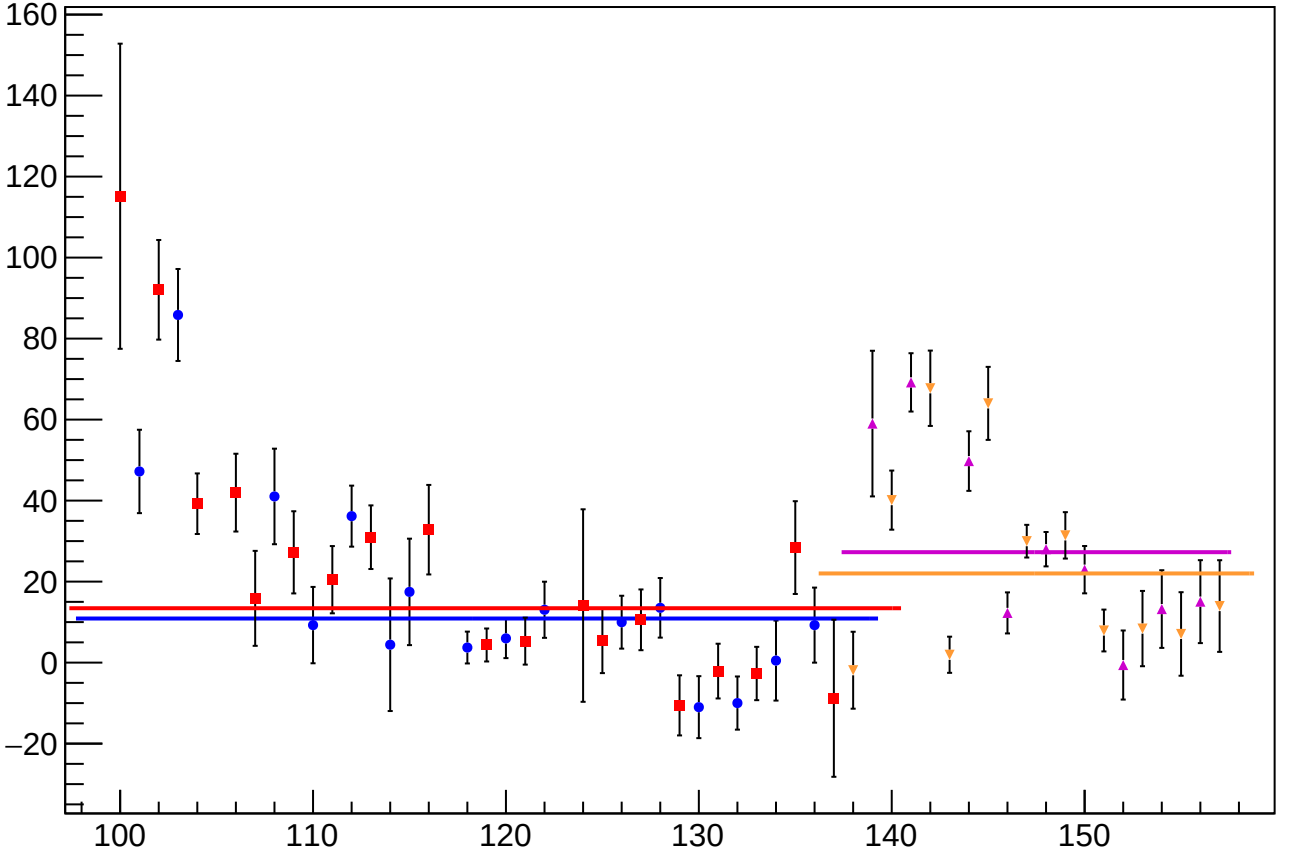
Left In: -566.317+/-3.464 χ^2/NDF:29.2/8

\+ sign -370.168+/-1.556 χ^2/NDF: 8412.5/26

All: -378.282+/-1.105 χ^2/NDF: 14083.0/54

\- sign -386.531+/-1.569 χ^2/NDF: 5615.6/27

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.014+/-1.953 χ^2/NDF:97.3/10

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

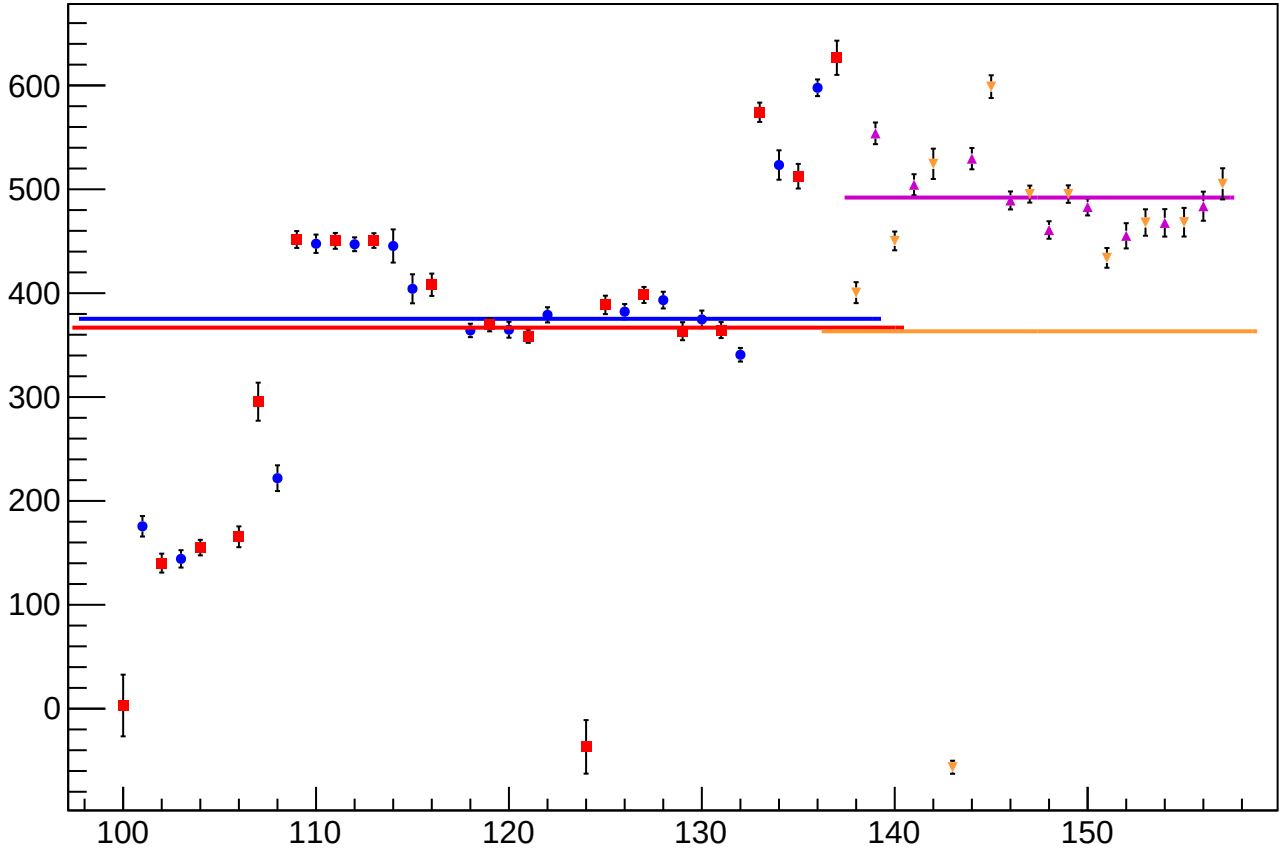
Left In: 27.267+/-2.243 χ^2/NDF:69.9/8

+ sign 16.127+/-1.340 χ^2/NDF: 212.8/26

All: 17.493+/-0.978 χ^2/NDF: 419.9/54

- sign 19.046+/-1.429 χ^2/NDF: 205.0/27

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 363.305+/-2.933 χ^2/NDF:5909.2/10

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

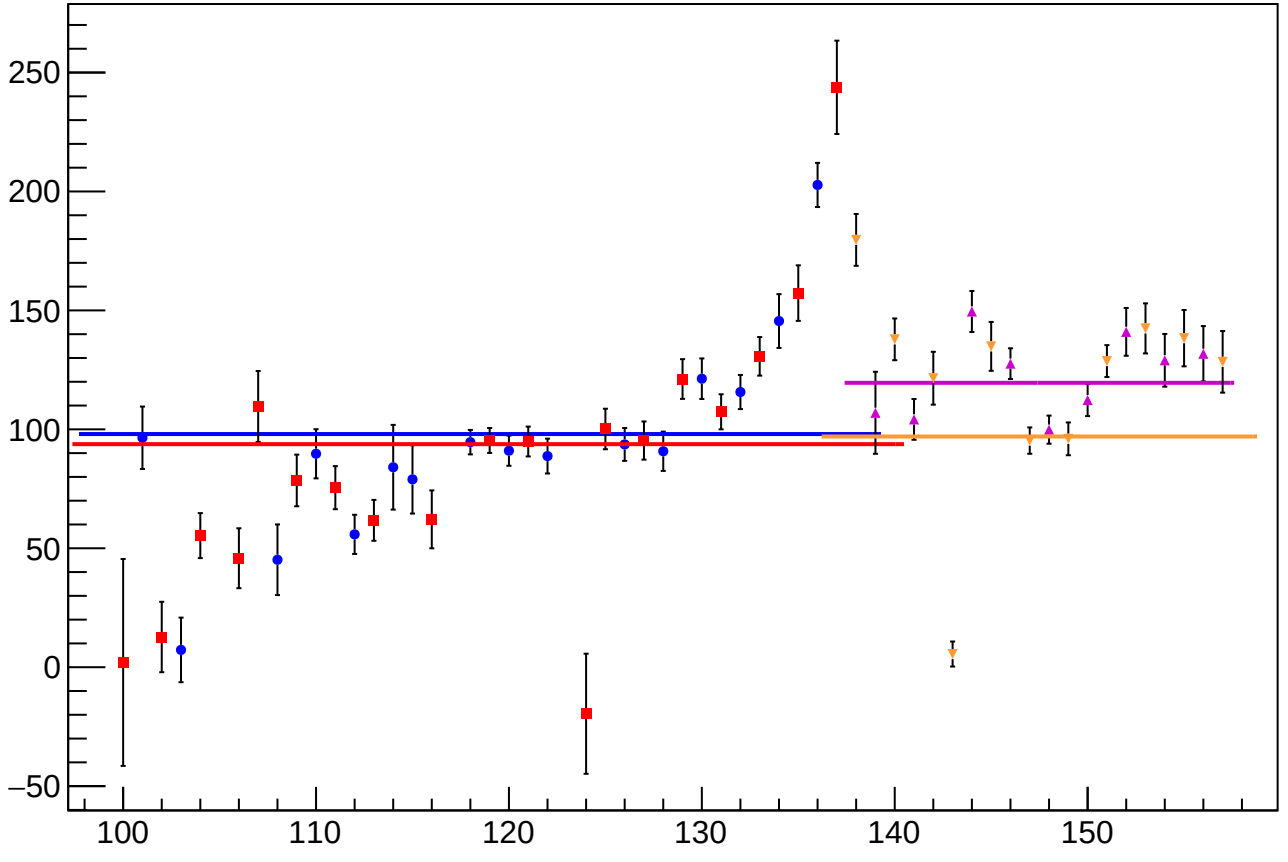
Left In: 492.048+/-3.363 χ^2/NDF:77.9/8

+ sign 371.242+/-1.709 χ^2/NDF: 8369.7/26

All: 385.642+/-1.223 χ^2/NDF: 13145.1/54

- sign 400.742+/-1.750 χ^2/NDF: 4630.0/27

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 96.998+/-2.404 χ^2/NDF:458.7/10

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

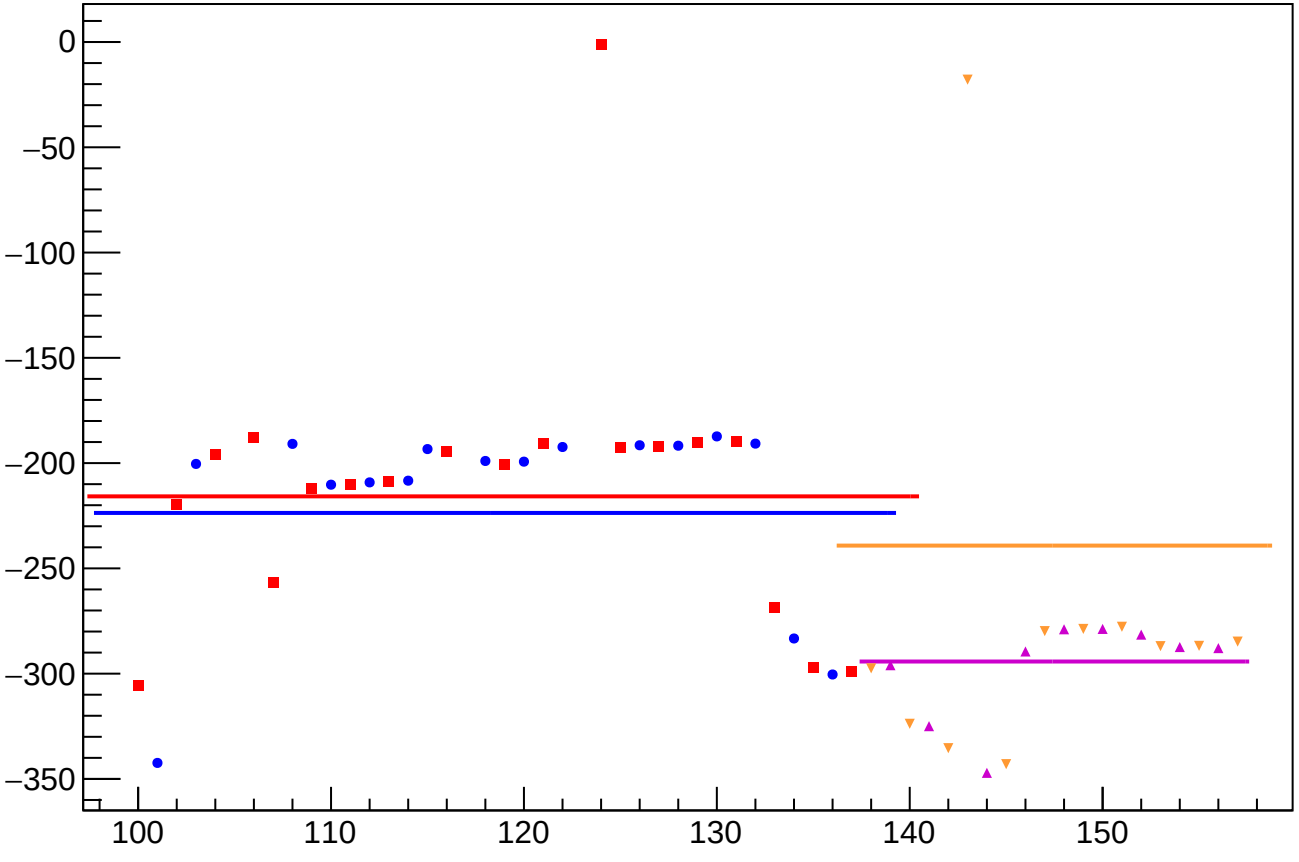
Left In: 119.565+/-2.770 χ^2/NDF:36.0/8

+ sign 97.567+/-1.600 χ^2/NDF: 708.3/26

All: 100.322+/-1.163 χ^2/NDF: 1042.1/54

- sign 103.405+/-1.693 χ^2/NDF: 327.5/27

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -239.178+/-0.118 χ^2/NDF:930890.0/10

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

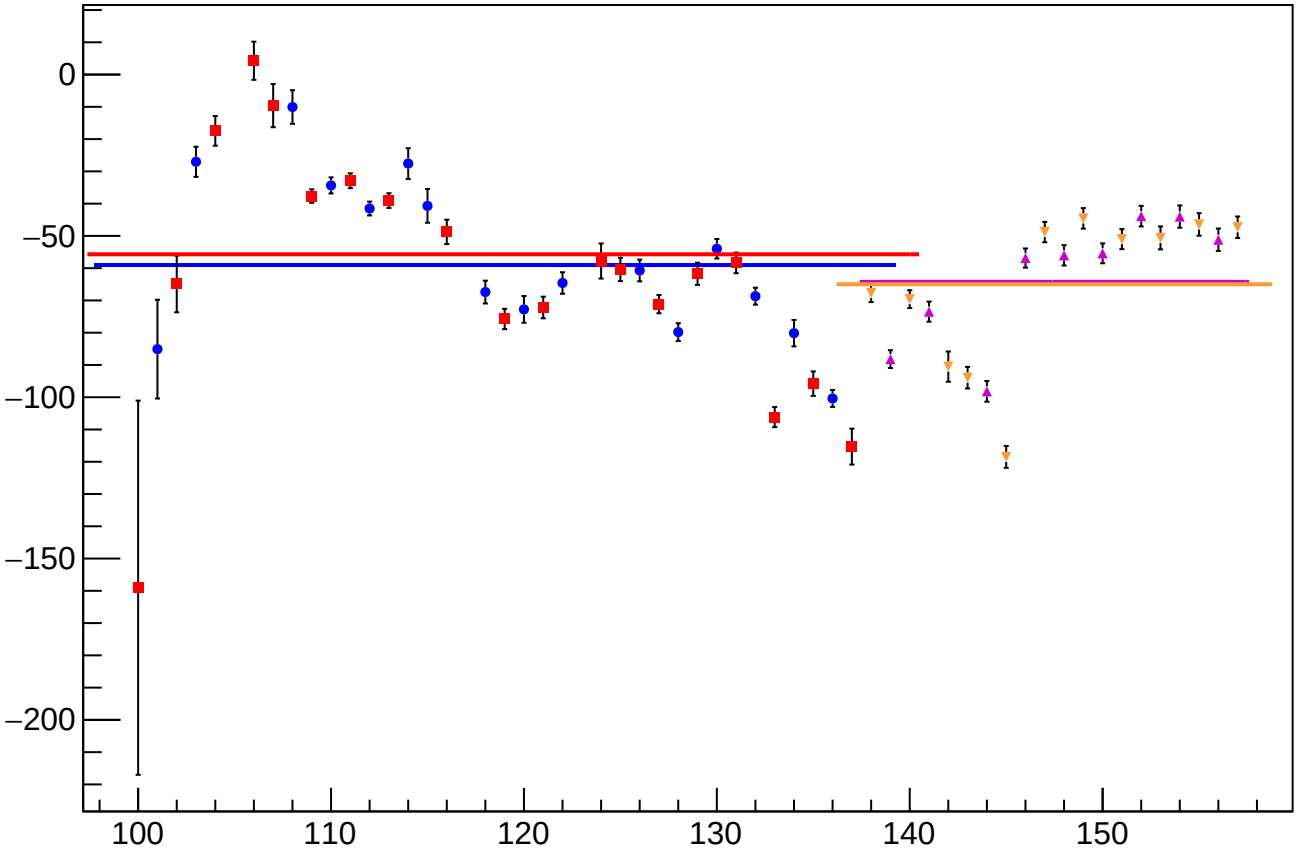
Left In: -294.238+/-0.131 χ^2/NDF:24342.6/8

+ sign -232.621+/-0.090 χ^2/NDF: 1059681.8/26

All: -243.731+/-0.065 χ^2/NDF: 1371719.1/54

- sign -255.860+/-0.094 χ^2/NDF: 280096.6/27

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -64.984+/-0.985 χ^2/NDF:517.6/10

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

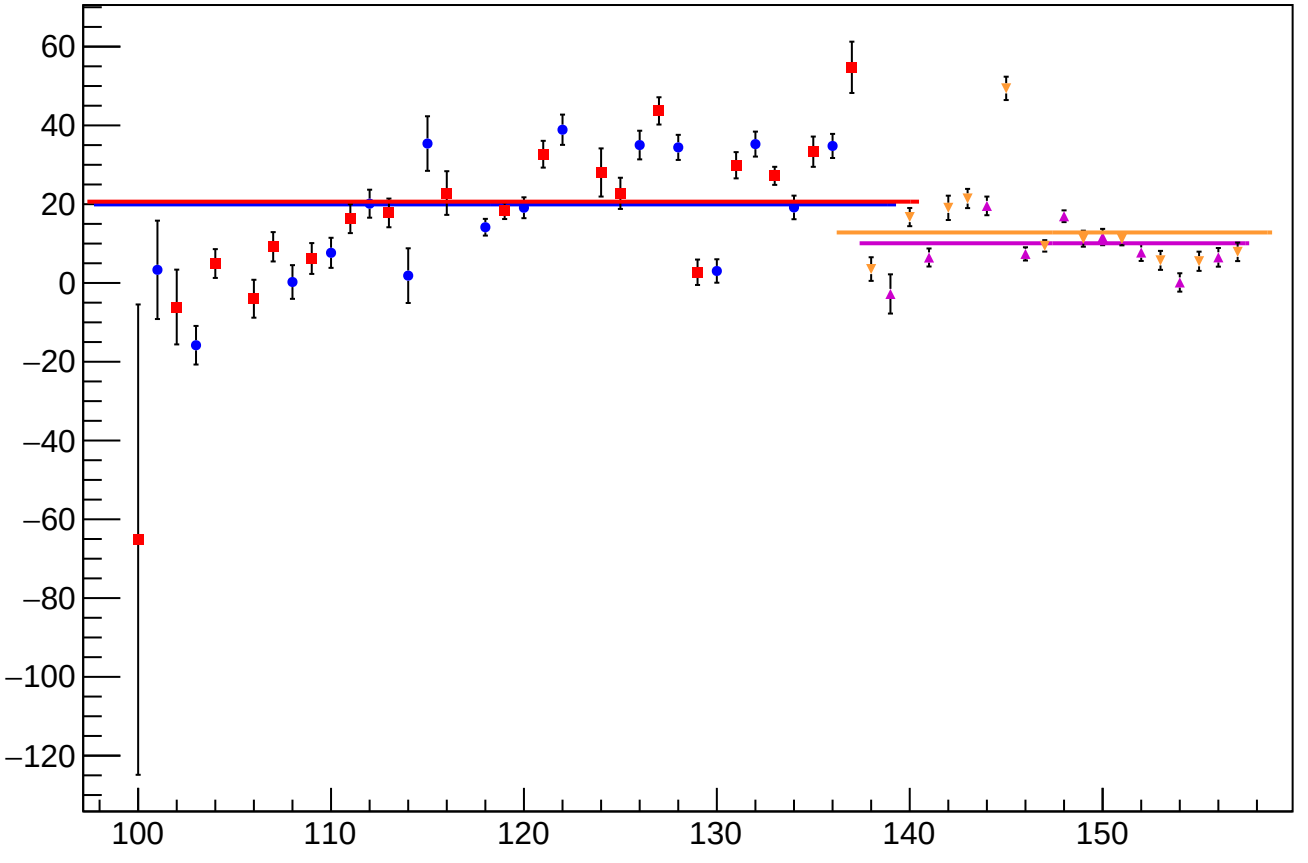
Left In: -64.247+/-1.044 χ^2/NDF:306.8/8

+ sign -61.499+/-0.634 χ^2/NDF: 1266.3/26

All: -60.146+/-0.447 χ^2/NDF: 2665.8/54

- sign -58.811+/-0.630 χ^2/NDF: 1390.5/27

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 12.821+/-0.659 χ^2/NDF:210.4/10

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

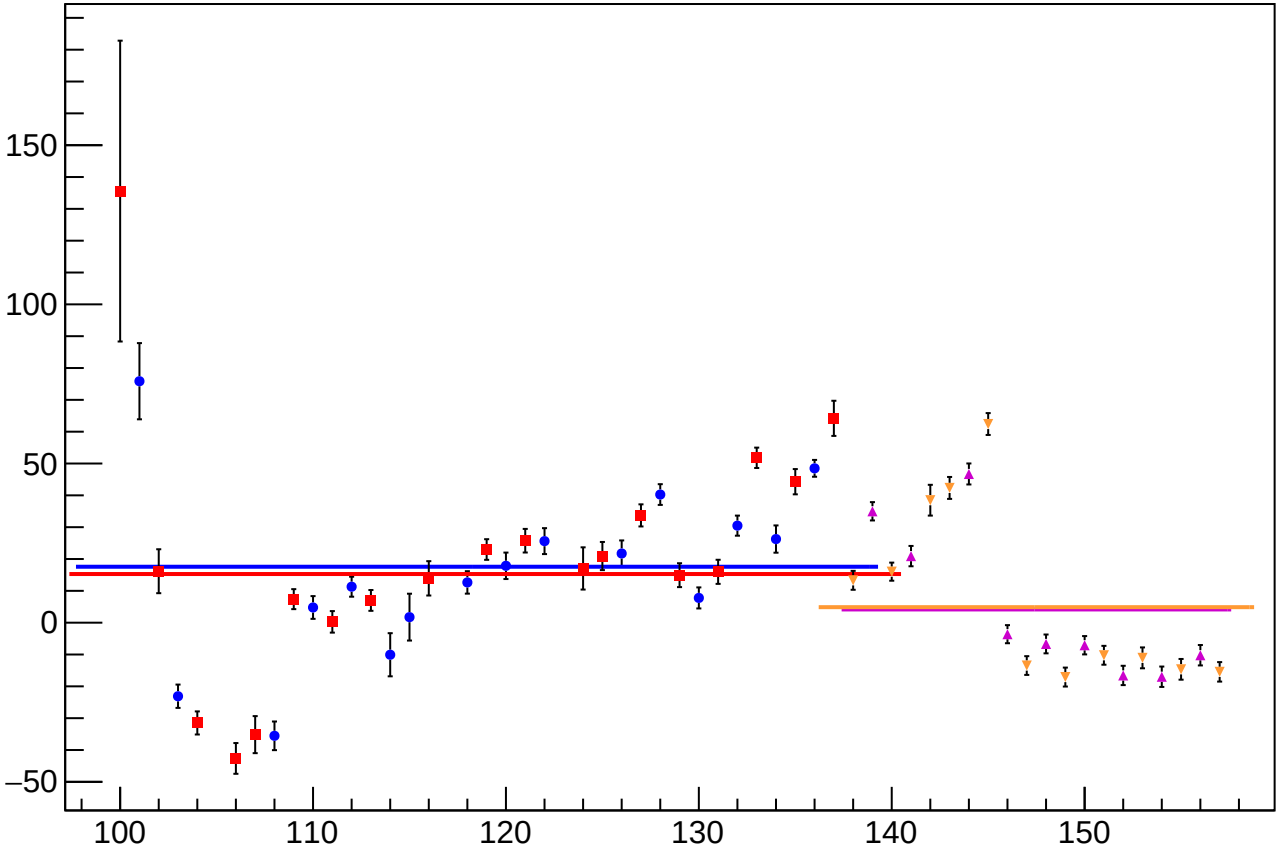
Left In: 10.078+/-0.702 χ^2/NDF:71.2/8

+ sign 15.429+/-0.525 χ^2/NDF: 500.4/26

All: 14.930+/-0.376 χ^2/NDF: 890.8/54

- sign 14.403+/-0.540 χ^2/NDF: 388.6/27

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 4.870+/-0.960 χ^2/NDF:693.5/10

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

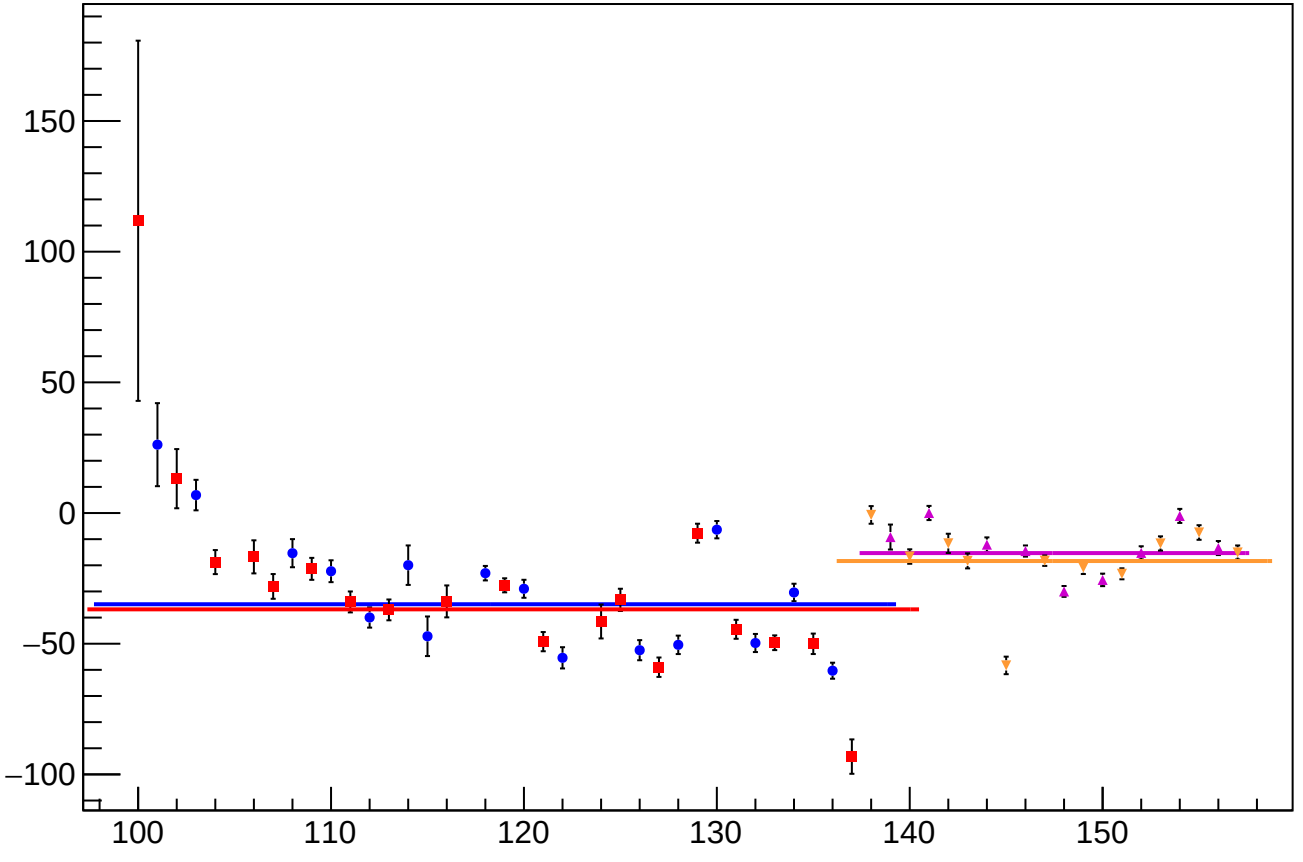
Left In: 4.155+/-1.014 χ^2/NDF:455.3/8

+ sign 11.244+/-0.678 χ^2/NDF: 1327.6/26

All: 10.716+/-0.482 χ^2/NDF: 2579.3/54

- sign 10.174+/-0.687 χ^2/NDF: 1250.5/27

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.363+/-0.804 χ^2/NDF:202.2/10

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

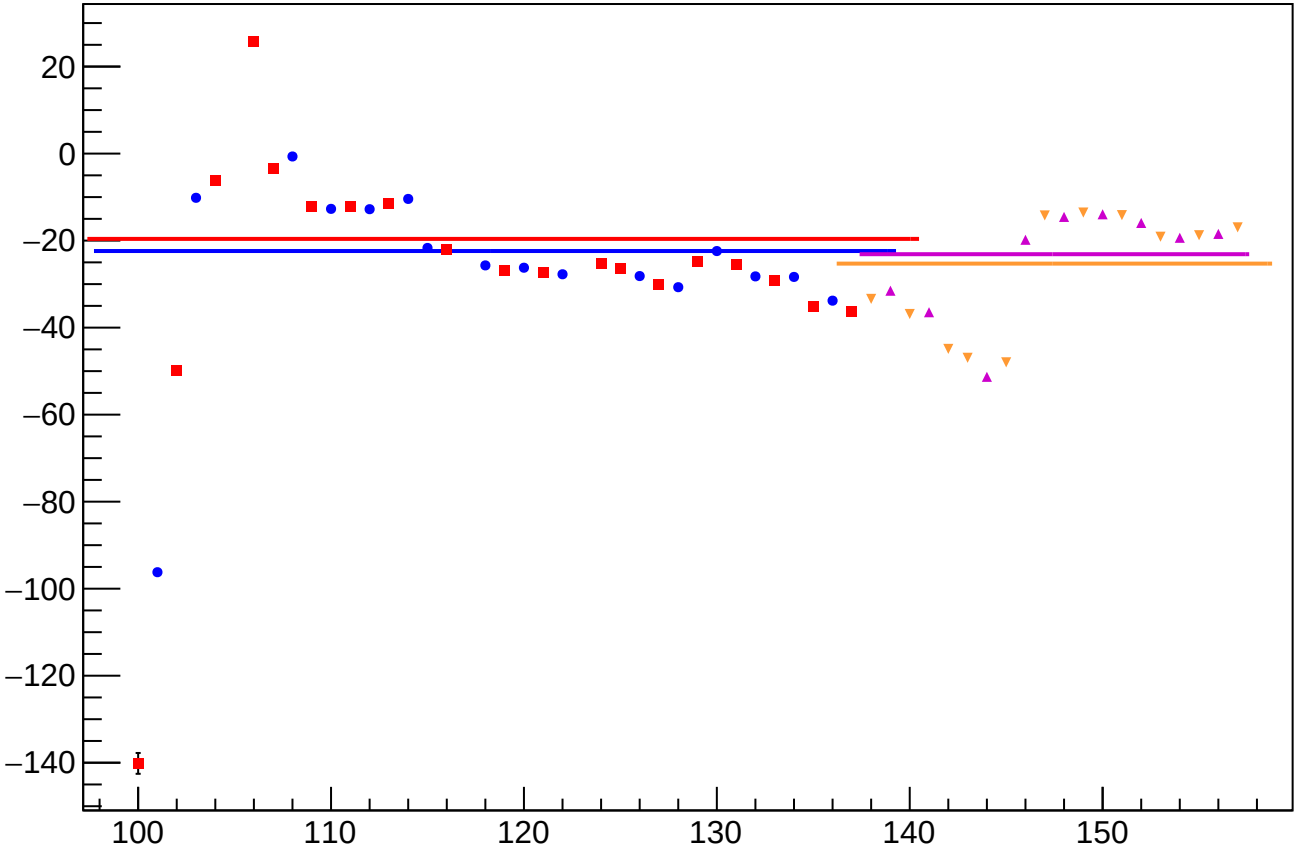
Left In: -15.321+/-0.854 χ^2/NDF:131.9/8

+ sign -24.929+/-0.624 χ^2/NDF: 716.9/26

All: -24.834+/-0.447 χ^2/NDF: 1427.9/54

- sign -24.734+/-0.641 χ^2/NDF: 711.0/27

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -25.287+/-0.037 χ^2/NDF:113040.8/10

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

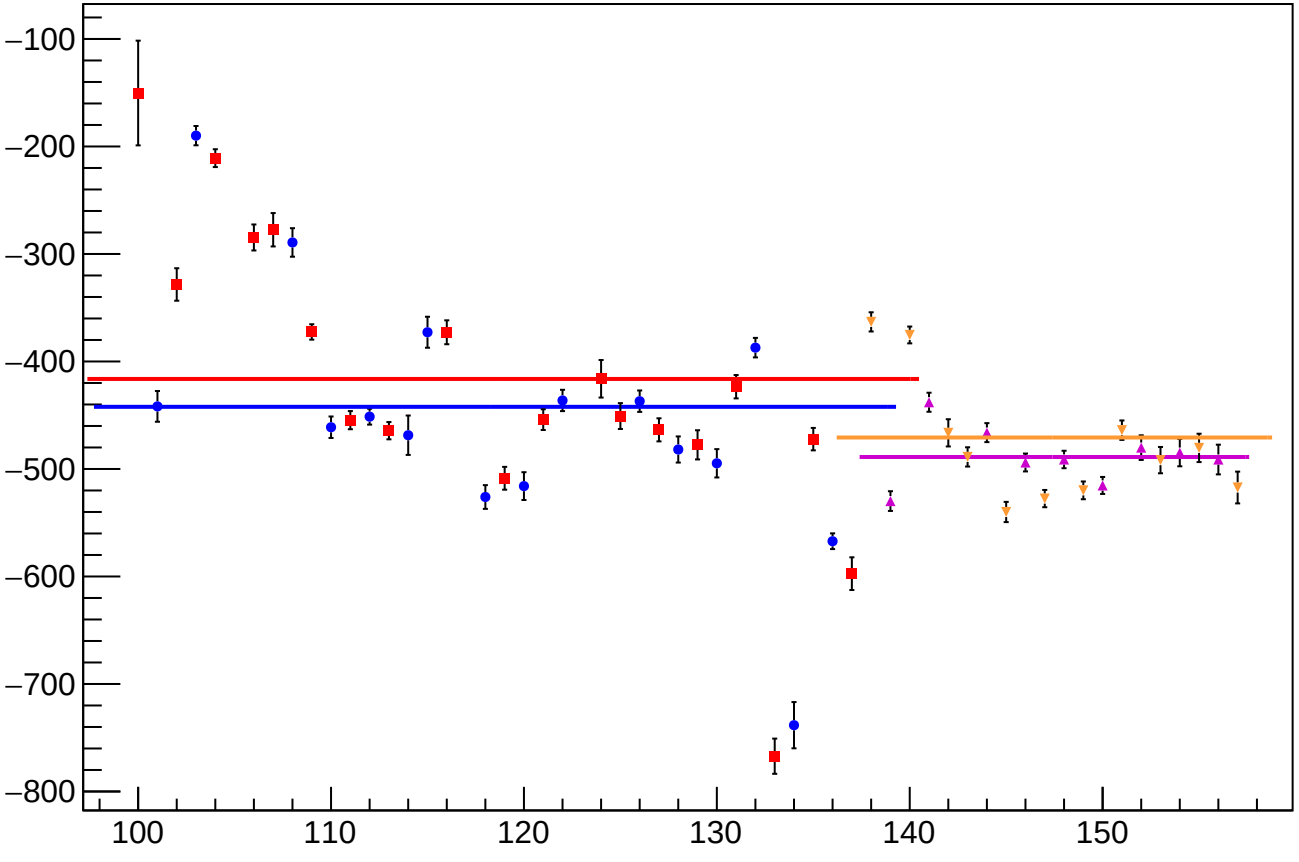
Left In: -23.123+/-0.038 χ^2/NDF:73337.1/8

+ sign -24.454+/-0.031 χ^2/NDF: 161314.7/26

All: -23.307+/-0.022 χ^2/NDF: 323761.1/54

- sign -22.085+/-0.032 χ^2/NDF: 159670.7/27

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -470.712+/-2.909 χ^2/NDF:451.5/10

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

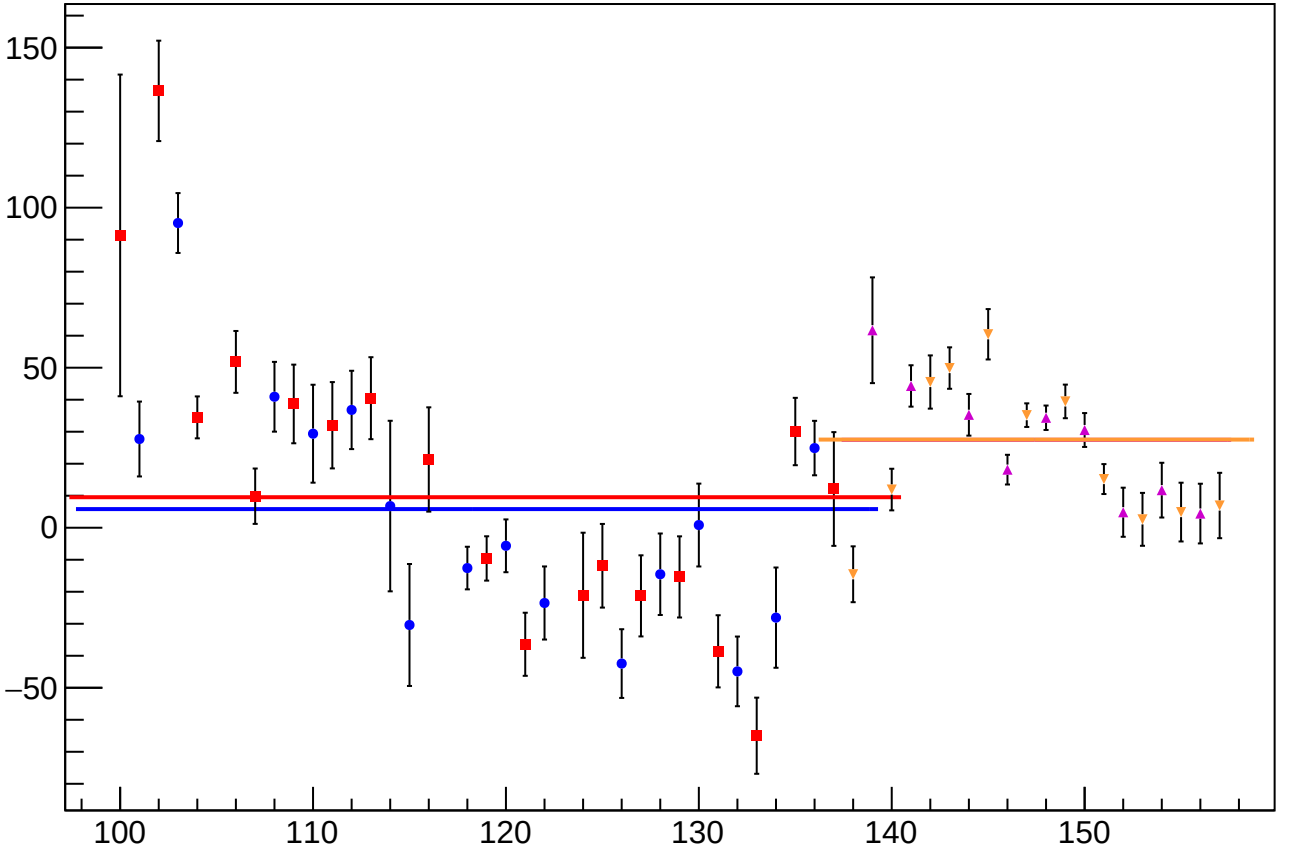
Left In: -488.854+/-3.129 χ^2/NDF:72.1/8

+ sign -455.291+/-1.972 χ^2/NDF: 2092.6/26

All: -450.055+/-1.391 χ^2/NDF: 4258.9/54

- sign -444.860+/-1.964 χ^2/NDF: 2152.2/27

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 27.542+/-1.880 χ^2/NDF:98.7/10

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

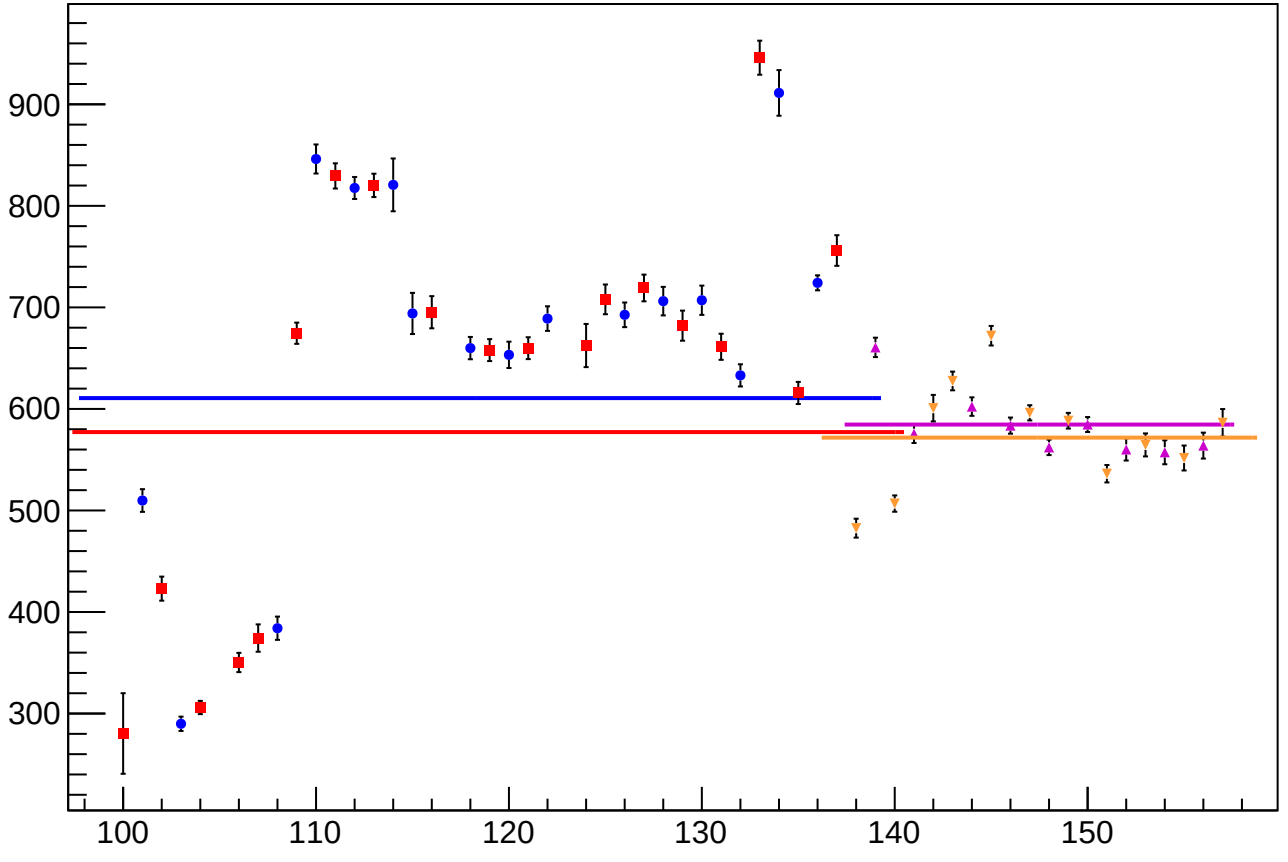
Left In: 27.458+/-2.024 χ^2/NDF:38.3/8

+ sign 20.548+/-1.548 χ^2/NDF: 329.8/26

All: 20.550+/-1.108 χ^2/NDF: 620.5/54

- sign 20.552+/-1.587 χ^2/NDF: 290.7/27

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.743+/-2.847 χ^2/NDF:343.6/10

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

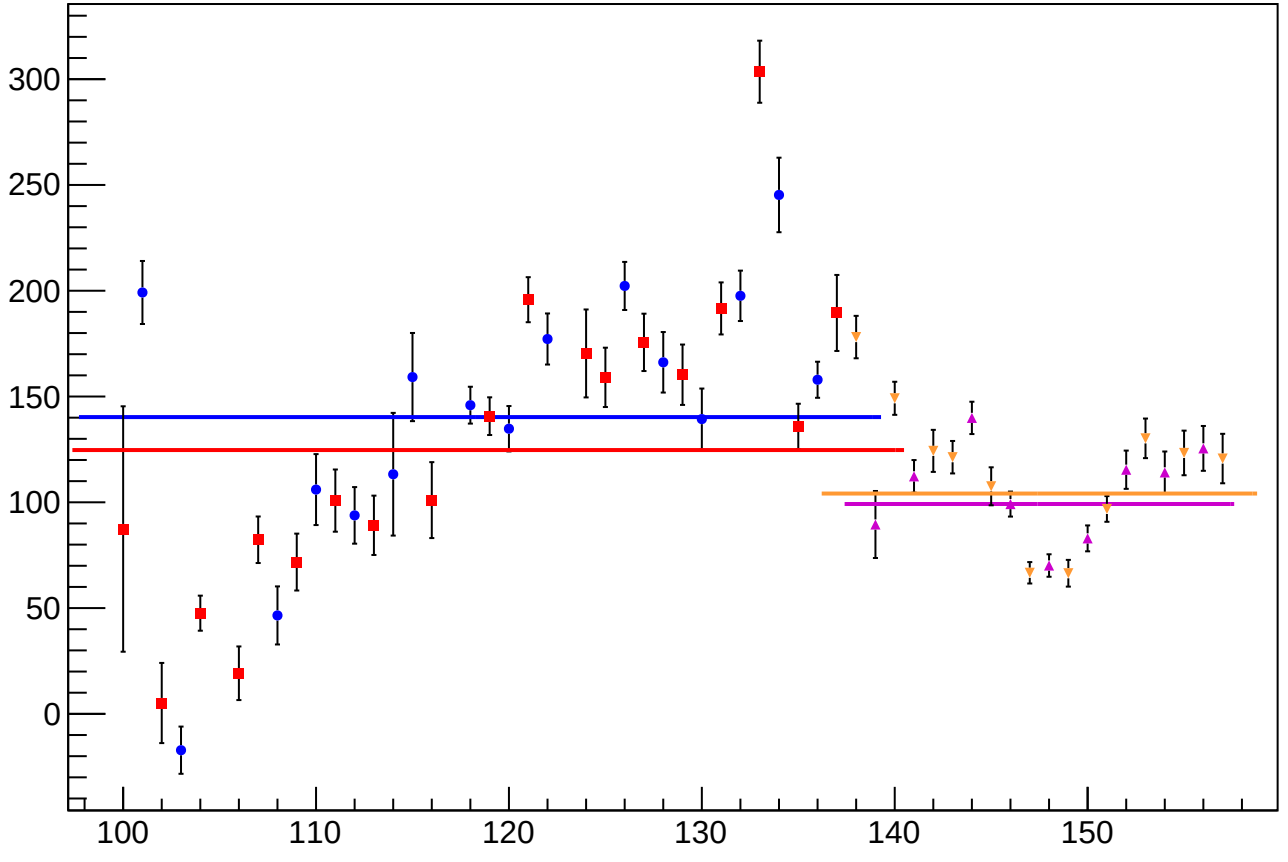
Left In: 584.614+/-3.038 χ^2/NDF:89.8/8

+ sign 590.894+/-2.029 χ^2/NDF: 4328.1/26

All: 585.752+/-1.439 χ^2/NDF: 9234.4/54

- sign 580.549+/-2.041 χ^2/NDF: 4893.3/27

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 104.138+/-2.326 χ^2/NDF:201.7/10

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

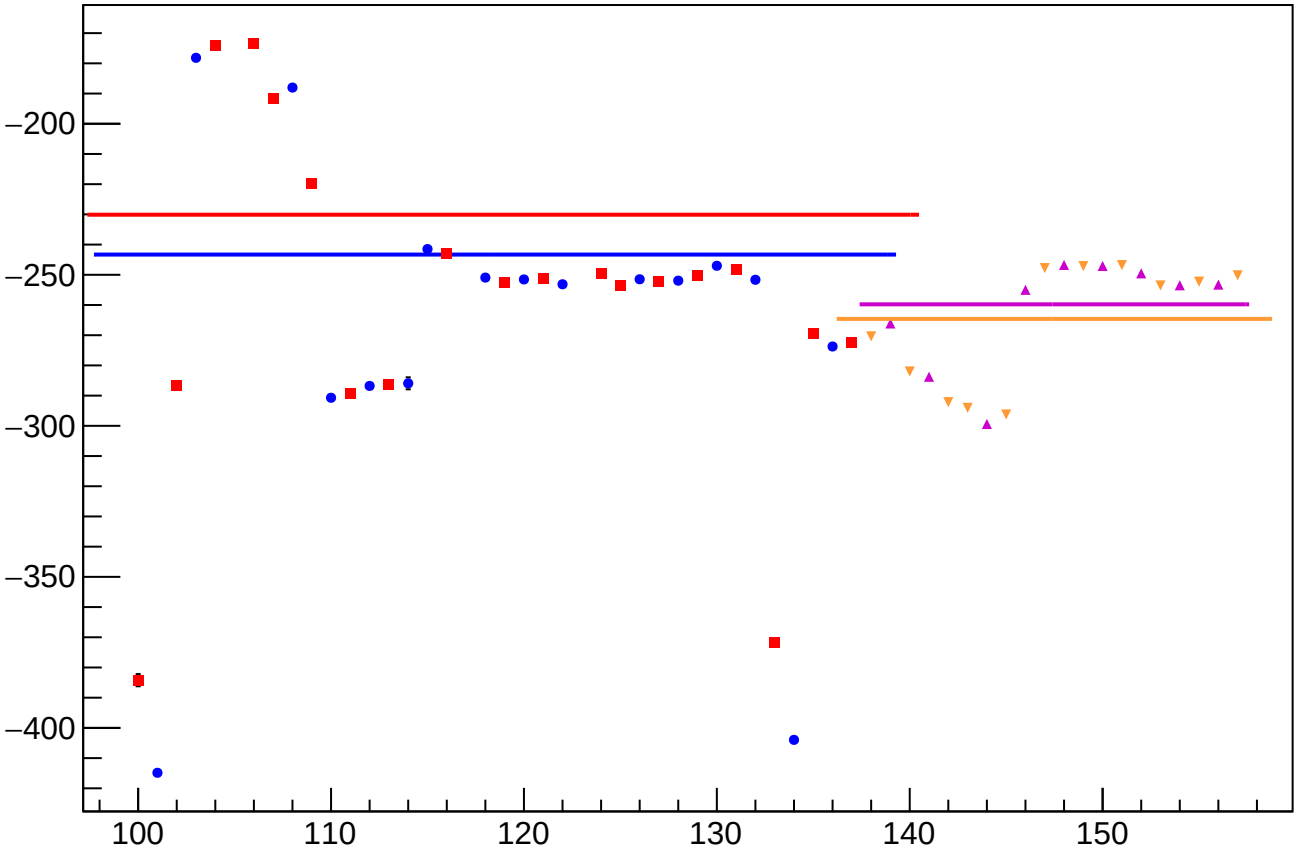
Left In: 99.197+/-2.499 χ^2/NDF:80.3/8

+ sign 116.887+/-1.872 χ^2/NDF: 672.2/26

All: 113.392+/-1.338 χ^2/NDF: 1311.1/54

- sign 109.734+/-1.915 χ^2/NDF: 631.8/27

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -264.595+/-0.114 χ^2/NDF:28881.7/10

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

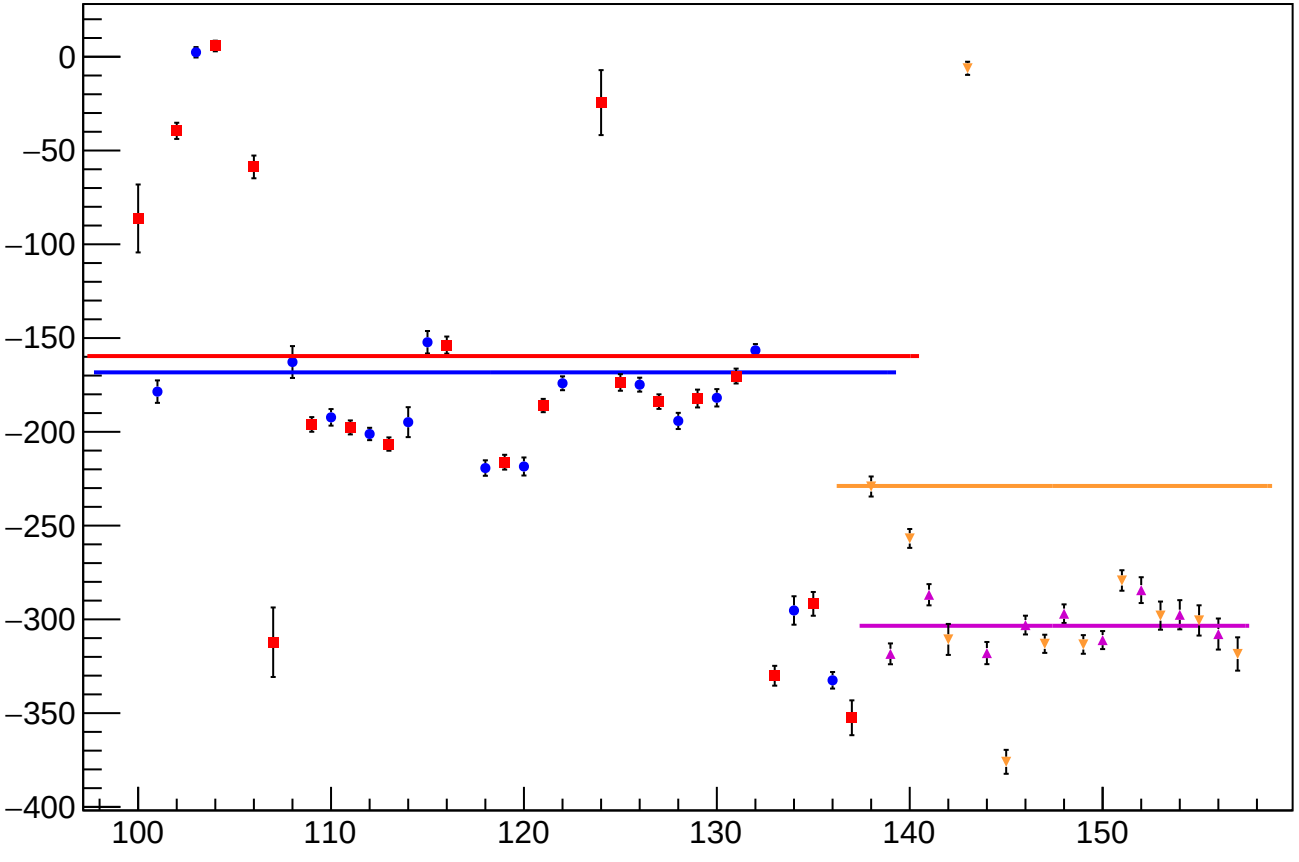
Left In: -259.779+/-0.119 χ^2/NDF:18944.4/8

+ sign -257.549+/-0.093 χ^2/NDF: 213847.6/26

All: -253.338+/-0.067 χ^2/NDF: 361999.6/54

- sign -249.009+/-0.095 χ^2/NDF: 144039.3/27

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -228.861+/-1.673 χ^2/NDF:5628.0/10

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

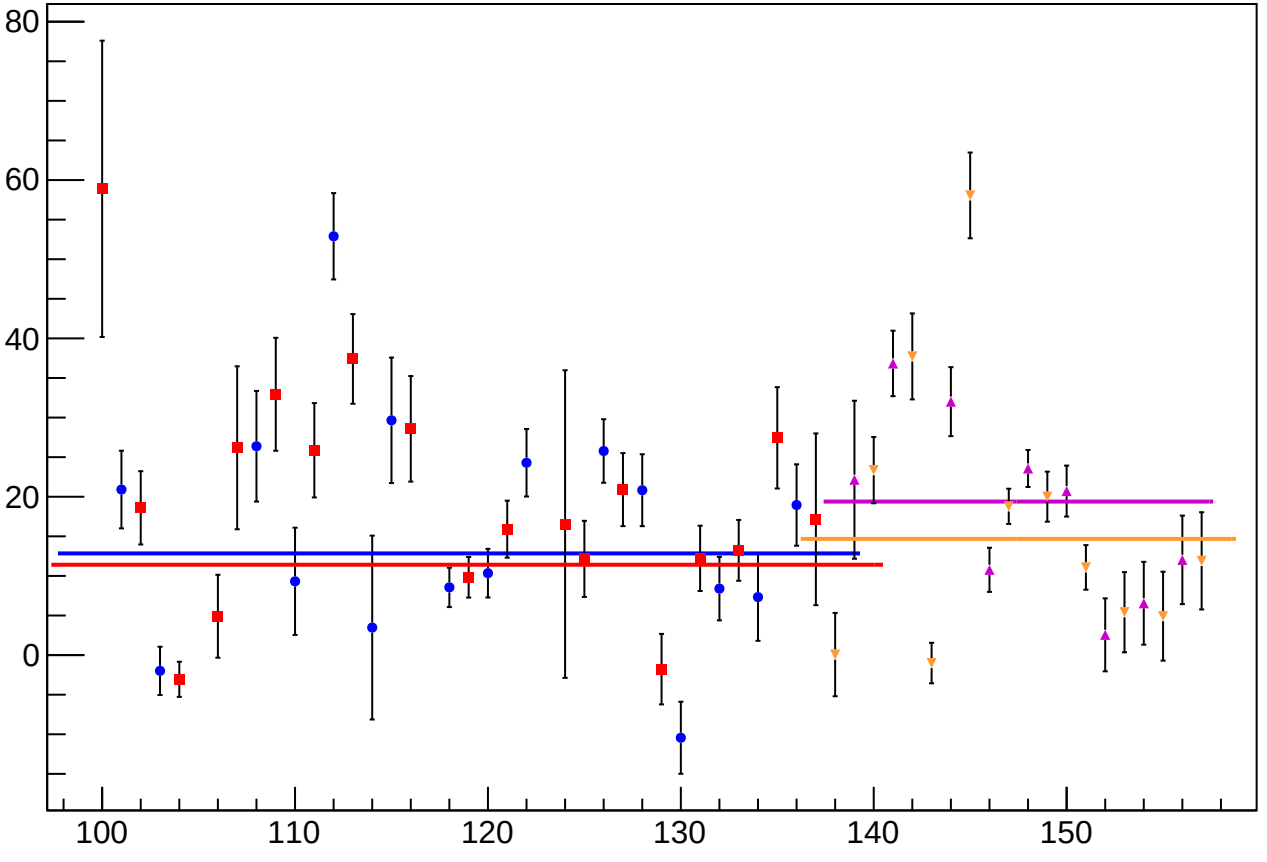
Left In: -303.424+/-1.931 χ^2/NDF:34.5/8

\+ sign -186.005+/-0.905 χ^2/NDF: 12462.7/26

All: -188.985+/-0.644 χ^2/NDF: 24012.3/54

\- sign -192.047+/-0.917 χ^2/NDF: 11527.6/27

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.677+/-1.092 χ^2/NDF:146.2/10

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

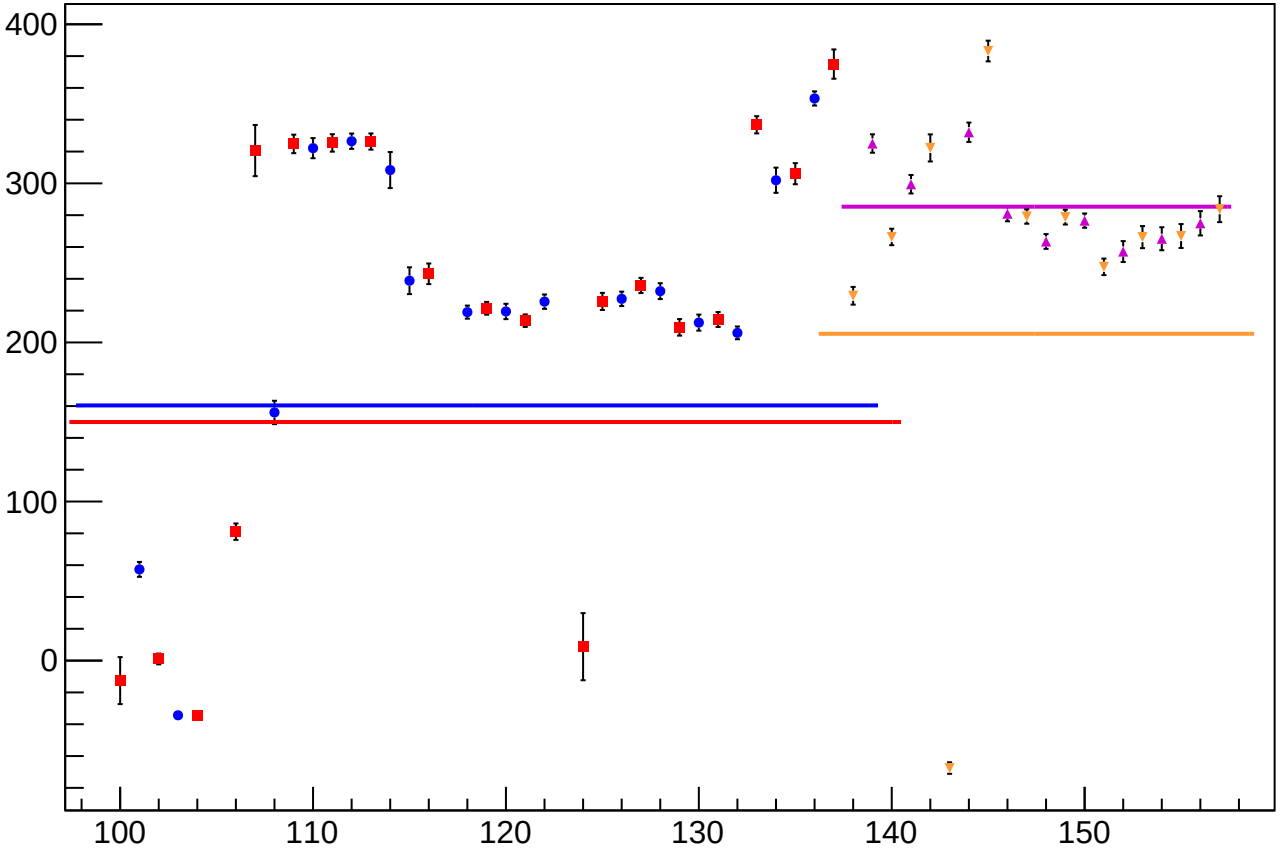
Left In: 19.392+/-1.245 χ^2/NDF:60.3/8

+ sign 13.747+/-0.766 χ^2/NDF: 291.3/26

All: 14.194+/-0.552 χ^2/NDF: 496.1/54

- sign 14.676+/-0.796 χ^2/NDF: 204.1/27

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 205.439+/-1.645 χ^2/NDF:7626.5/10

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

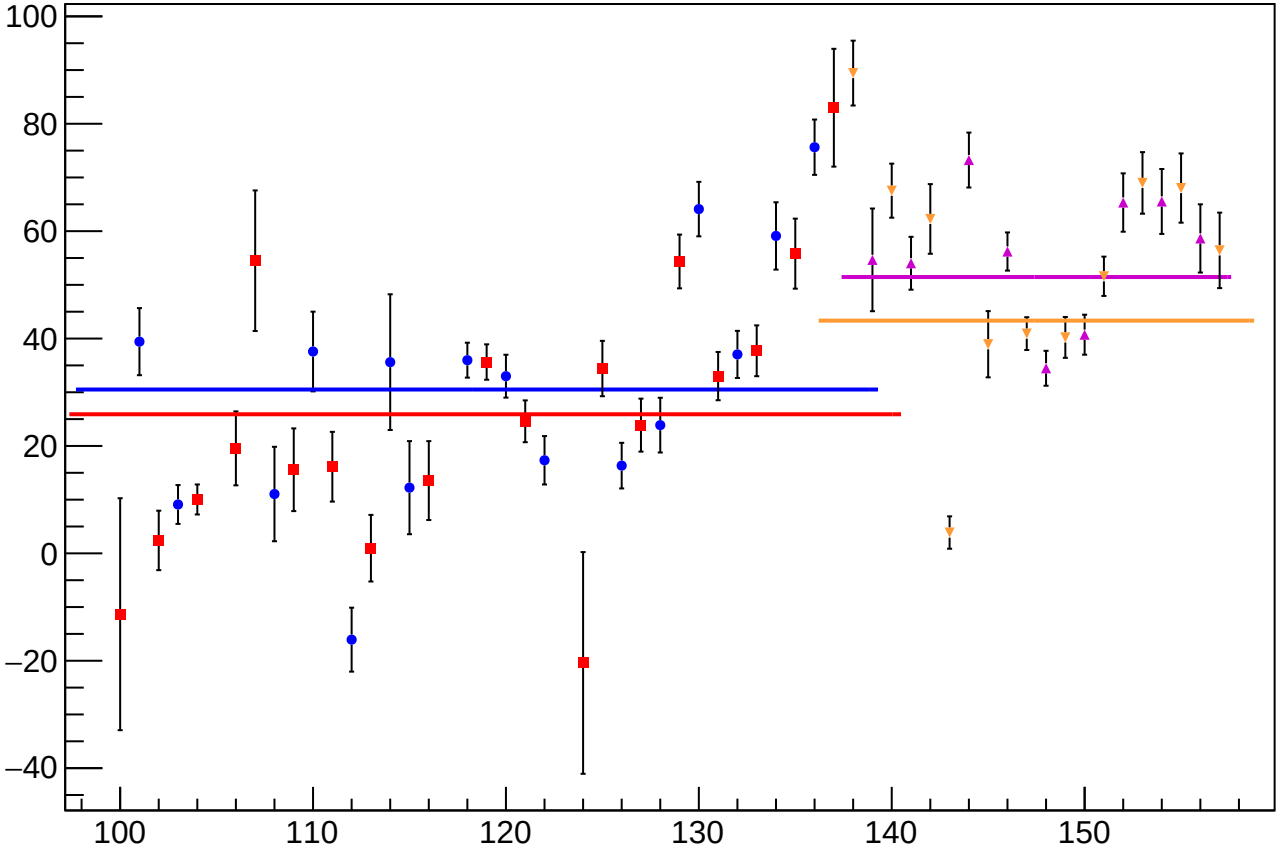
Left In: 285.341+/-1.872 χ^2/NDF:166.8/8

+ sign 175.002+/-0.936 χ^2/NDF: 22082.9/26

All: 179.937+/-0.668 χ^2/NDF: 42447.2/54

- sign 185.045+/-0.953 χ^2/NDF: 20307.8/27

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 43.339+/-1.345 χ^2/NDF:306.1/10

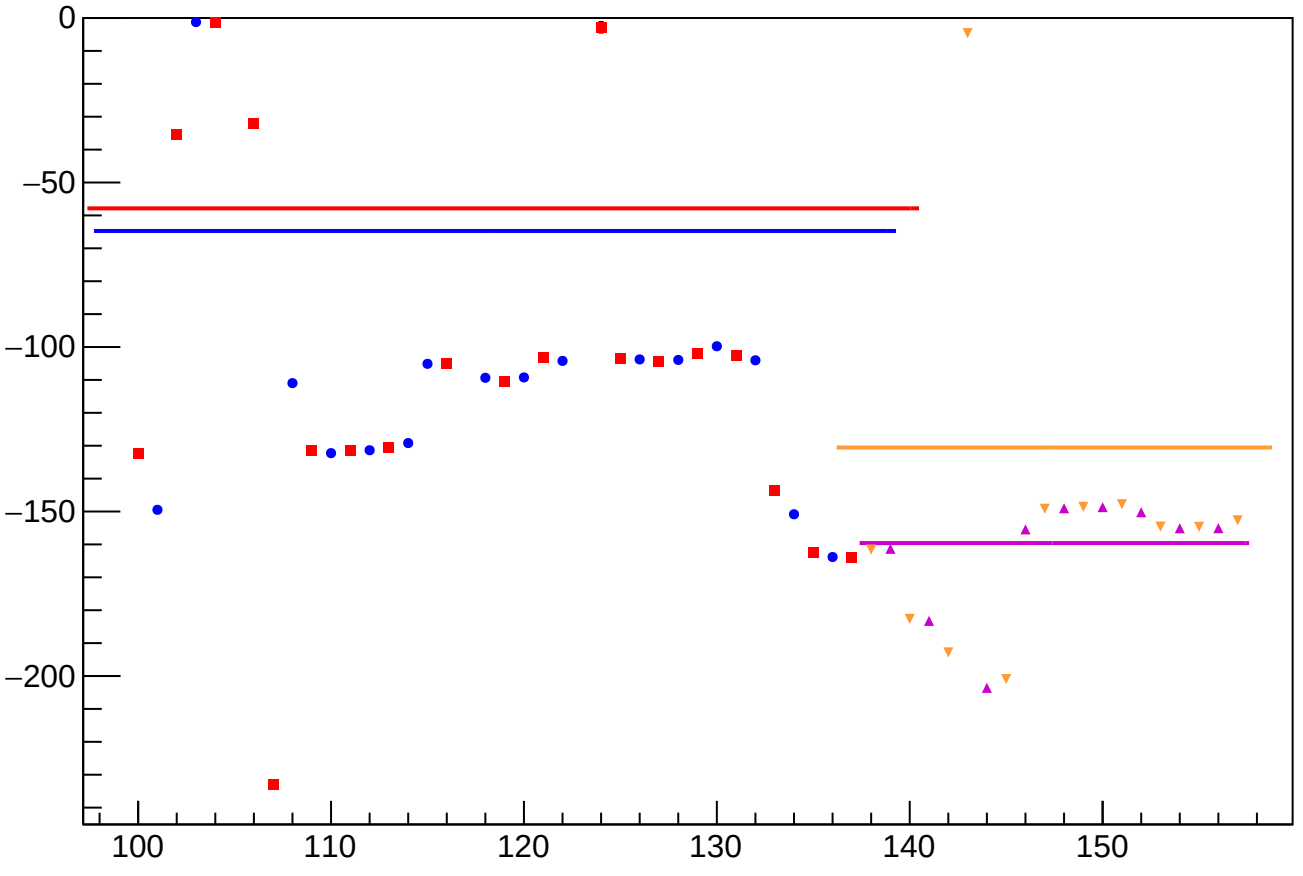
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 51.459+/-1.539 χ^2/NDF:69.2/8

+ sign 36.478+/-0.917 χ^2/NDF: 631.7/26

All: 36.102+/-0.661 χ^2/NDF: 1059.1/54

- sign 35.697+/-0.953 χ^2/NDF: 427.0/27



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -130.540+/-0.066 χ^2/NDF:933028.0/10

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

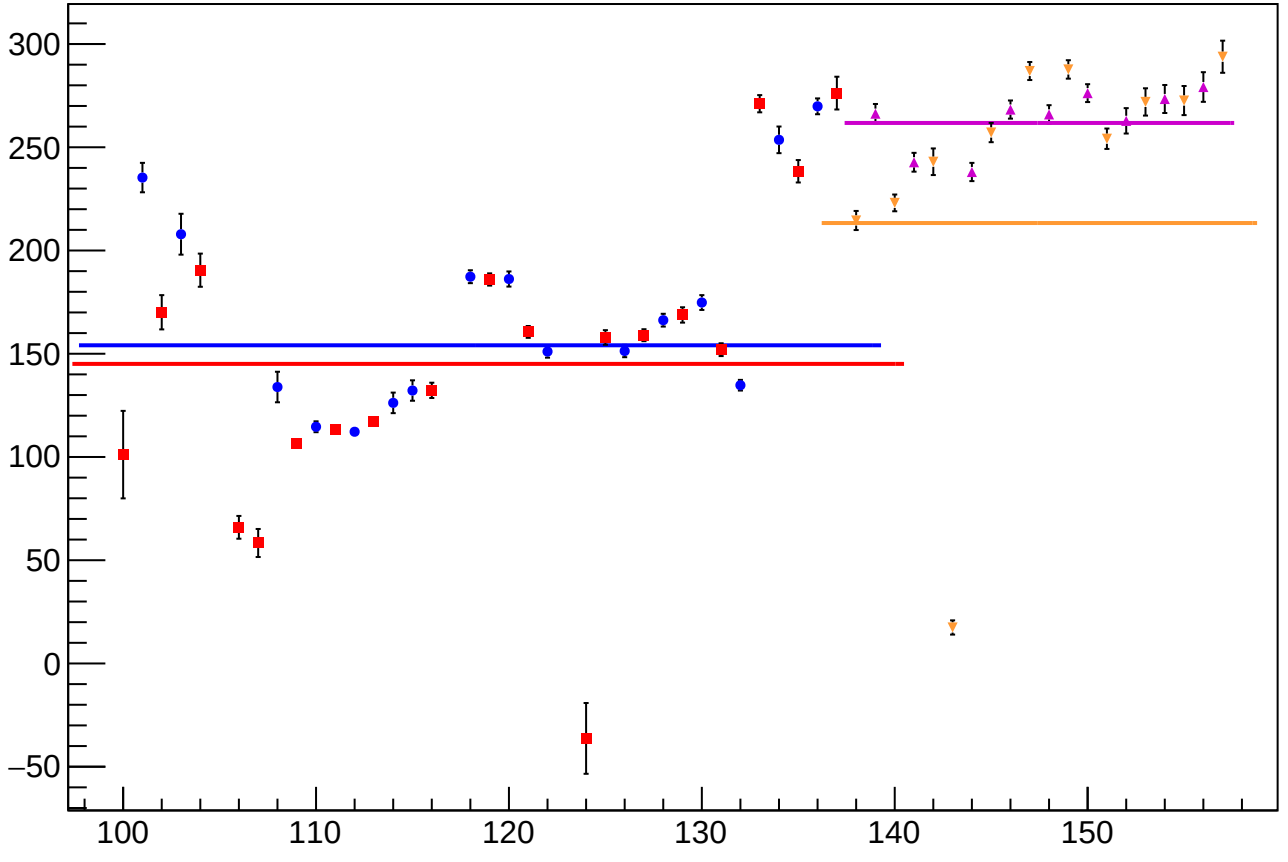
Left In: -159.591+/-0.073 χ^2/NDF:45314.5/8

+ sign -96.416+/-0.046 χ^2/NDF: 2489989.0/26

All: -98.471+/-0.033 χ^2/NDF: 4542432.0/54

- sign -100.651+/-0.047 χ^2/NDF: 2048318.5/27

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 213.309+/-1.467 χ^2/NDF:4235.1/10

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

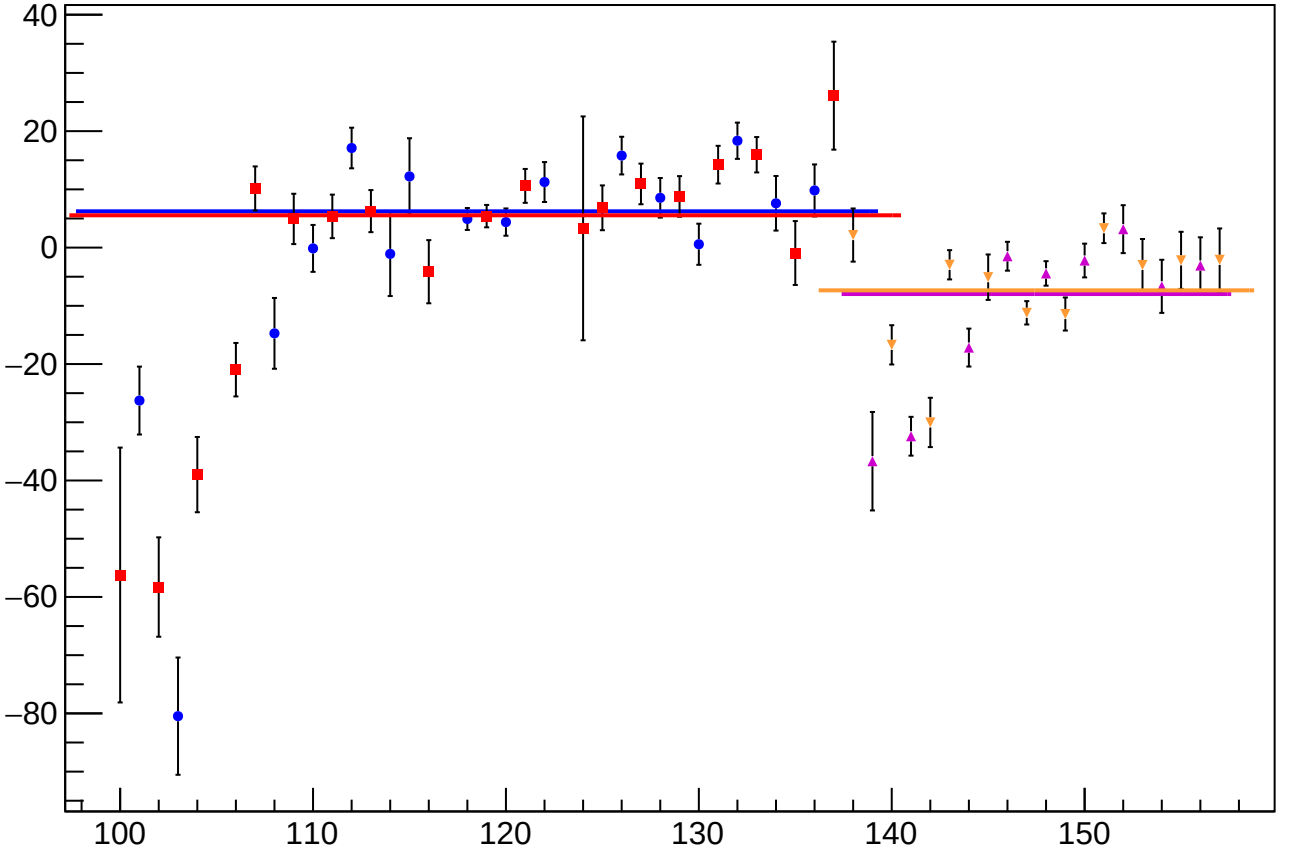
Left In: 261.775+/-1.649 χ^2/NDF:70.3/8

\+ sign 169.481+/-0.748 χ^2/NDF: 7722.3/26

All: 168.977+/-0.525 χ^2/NDF: 14754.0/54

\- sign 168.484+/-0.739 χ^2/NDF: 7030.8/27

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -7.342+/-0.967 χ^2/NDF:70.3/10

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

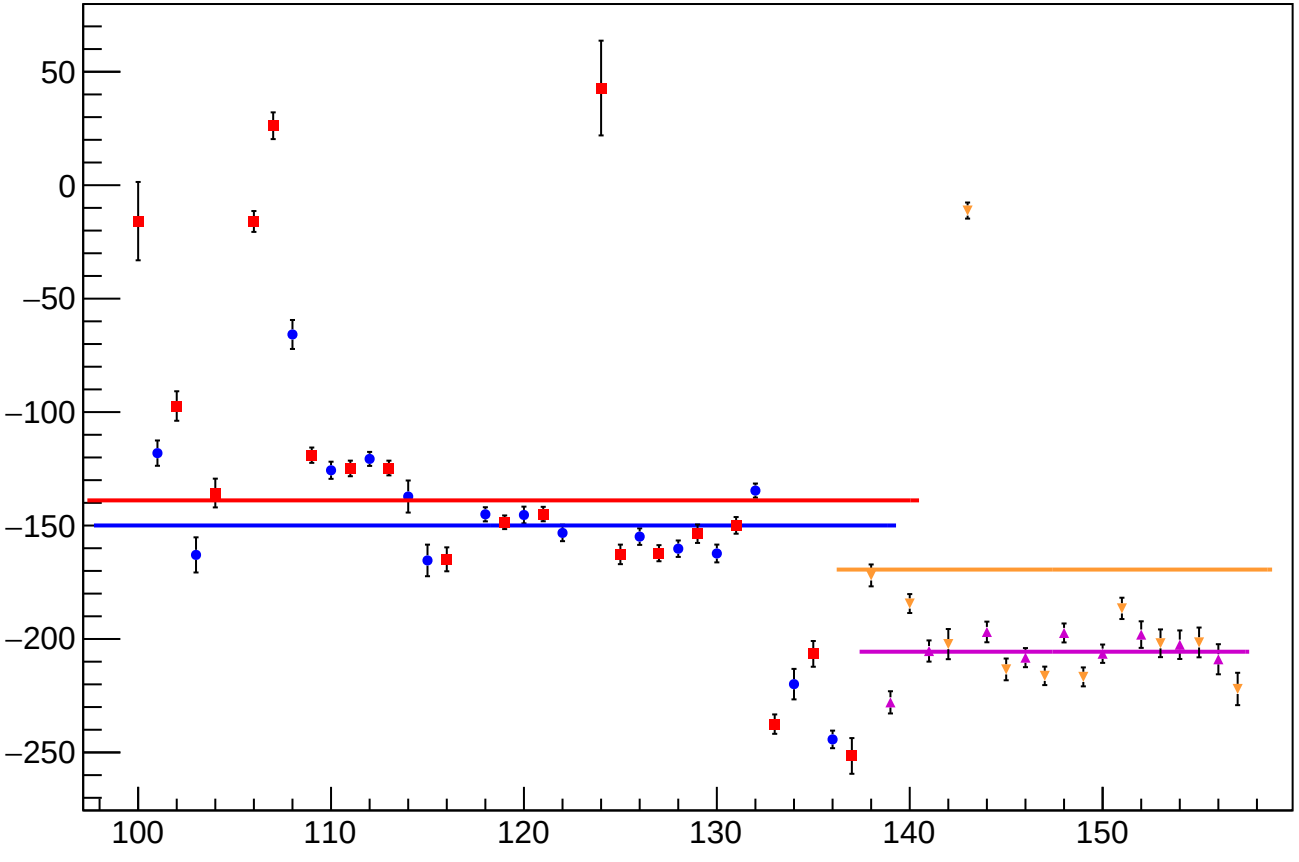
Left In: -7.974+/-1.081 χ^2/NDF:95.3/8

+ sign 0.008+/-0.655 χ^2/NDF: 339.0/26

All: 0.047+/-0.474 χ^2/NDF: 708.7/54

- sign 0.090+/-0.687 χ^2/NDF: 369.7/27

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -169.408+/-1.445 χ^2/NDF:2496.8/10

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

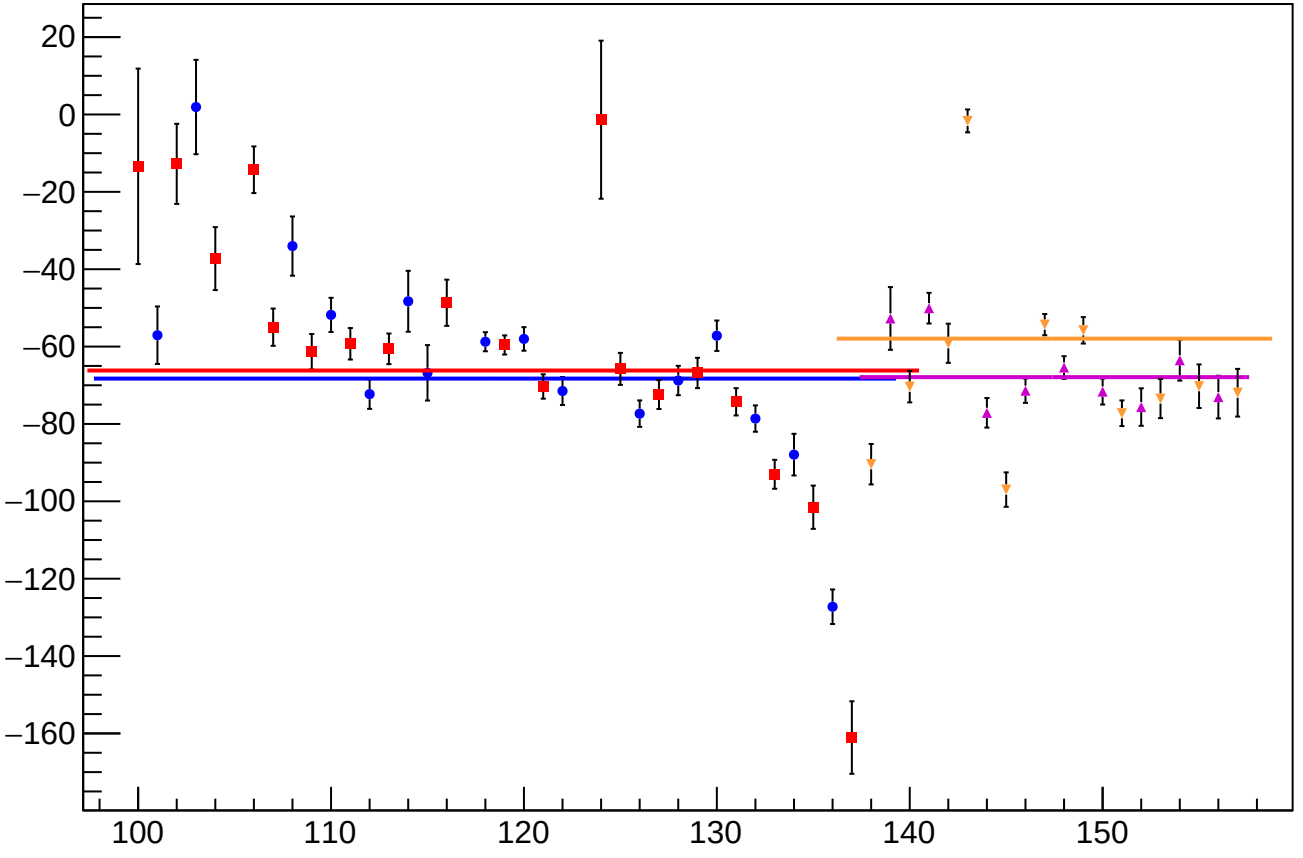
Left In: -205.613+/-1.606 χ^2/NDF:30.9/8

+ sign -156.483+/-0.836 χ^2/NDF: 3716.6/26

All: -156.925+/-0.594 χ^2/NDF: 7746.8/54

- sign -157.376+/-0.845 χ^2/NDF: 4029.7/27

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -57.946+/-1.189 χ^2/NDF:541.3/10

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

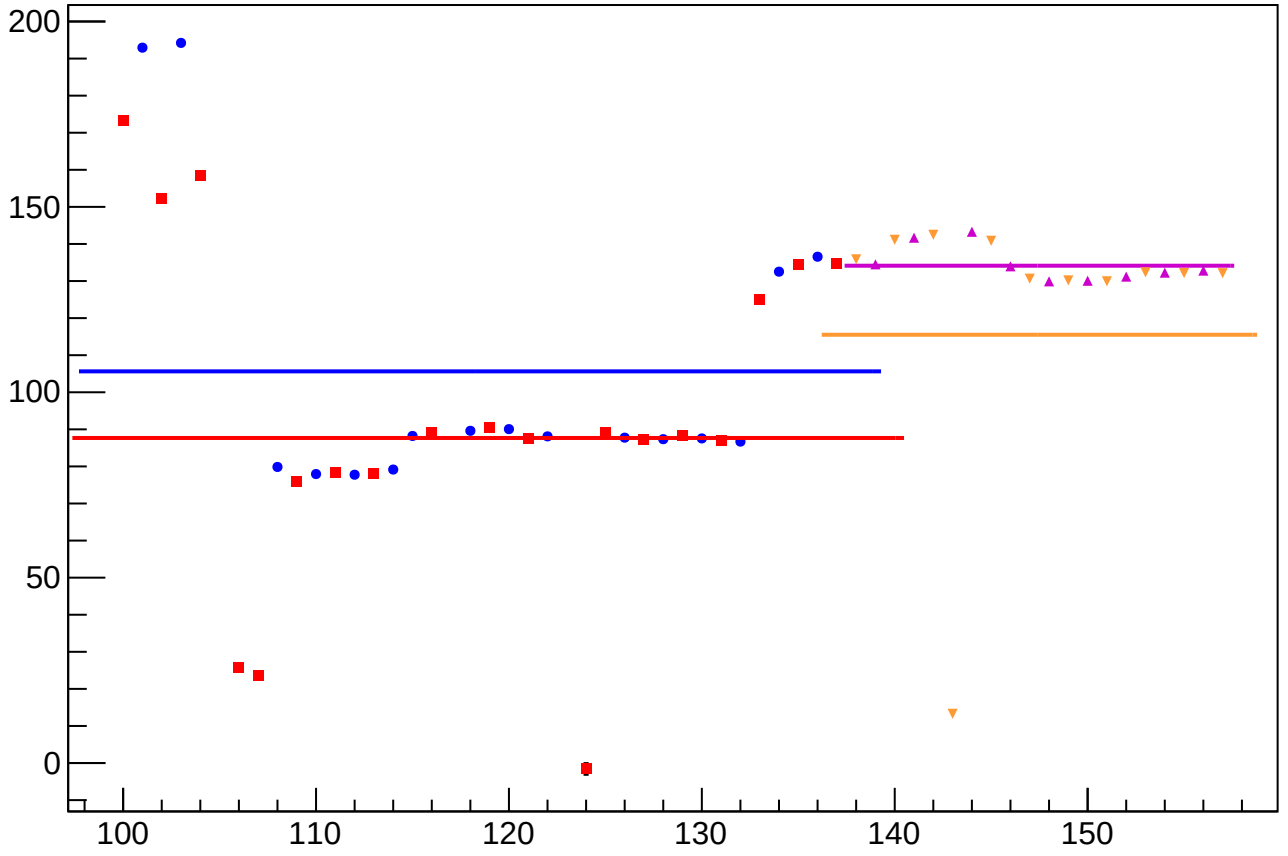
Left In: -67.898+/-1.330 χ^2/NDF:36.9/8

+ sign -63.831+/-0.780 χ^2/NDF: 899.7/26

All: -65.268+/-0.562 χ^2/NDF: 1303.0/54

- sign -66.823+/-0.811 χ^2/NDF: 396.2/27

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 115.510+/-0.058 χ^2/NDF:577919.1/10

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

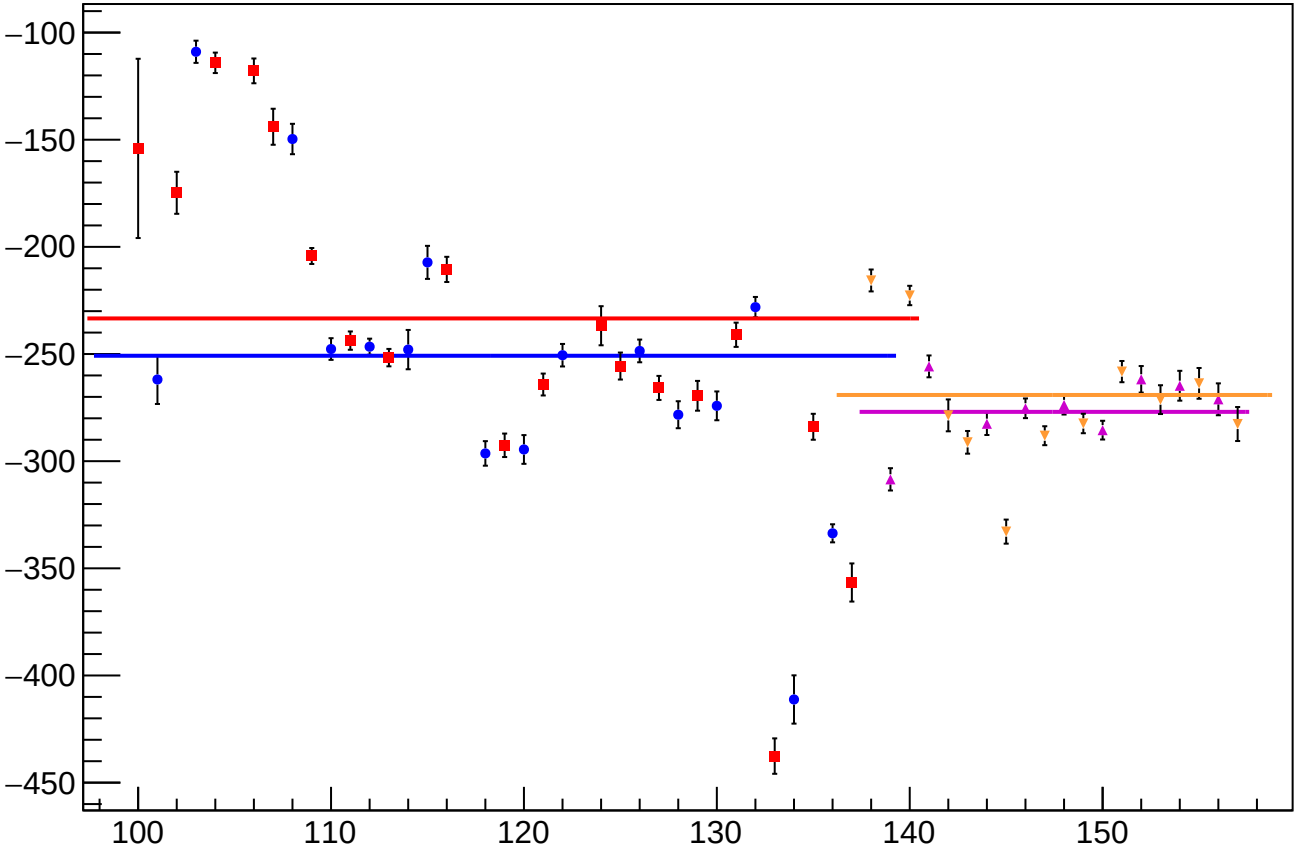
Left In: 134.133+/-0.063 χ^2/NDF:5133.2/8

\+ sign 111.540+/-0.045 χ^2/NDF: 829141.7/26

All: 111.732+/-0.032 χ^2/NDF: 1470405.5/54

\- sign 111.927+/-0.045 χ^2/NDF: 641227.1/27

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -269.109+/-1.642 χ^2/NDF:398.4/10

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

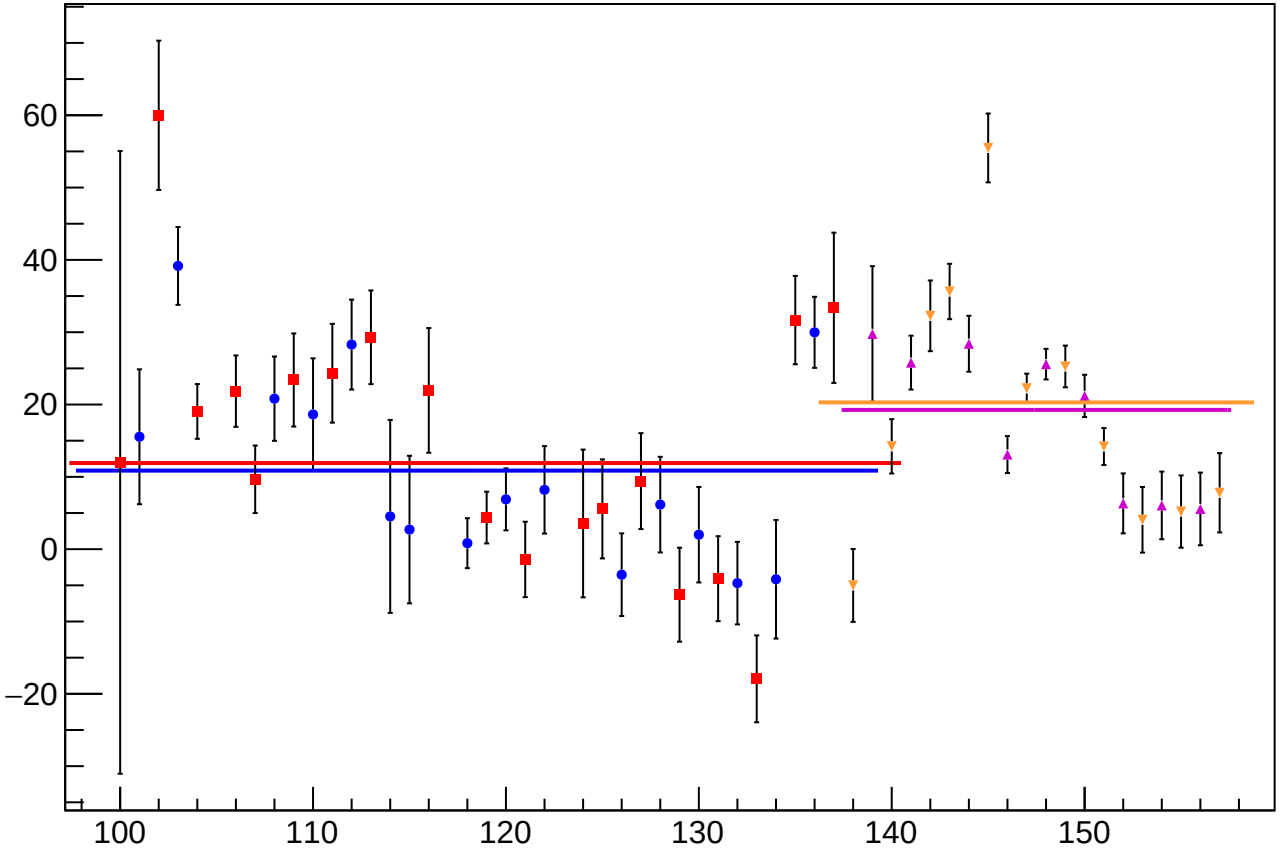
Left In: -276.991+/-1.752 χ^2/NDF:69.2/8

+ sign -258.754+/-1.082 χ^2/NDF: 2204.3/26

All: -253.979+/-0.758 χ^2/NDF: 5082.5/54

- sign -249.389+/-1.061 χ^2/NDF: 2840.0/27

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 20.295+/-1.053 χ^2/NDF:141.2/10

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

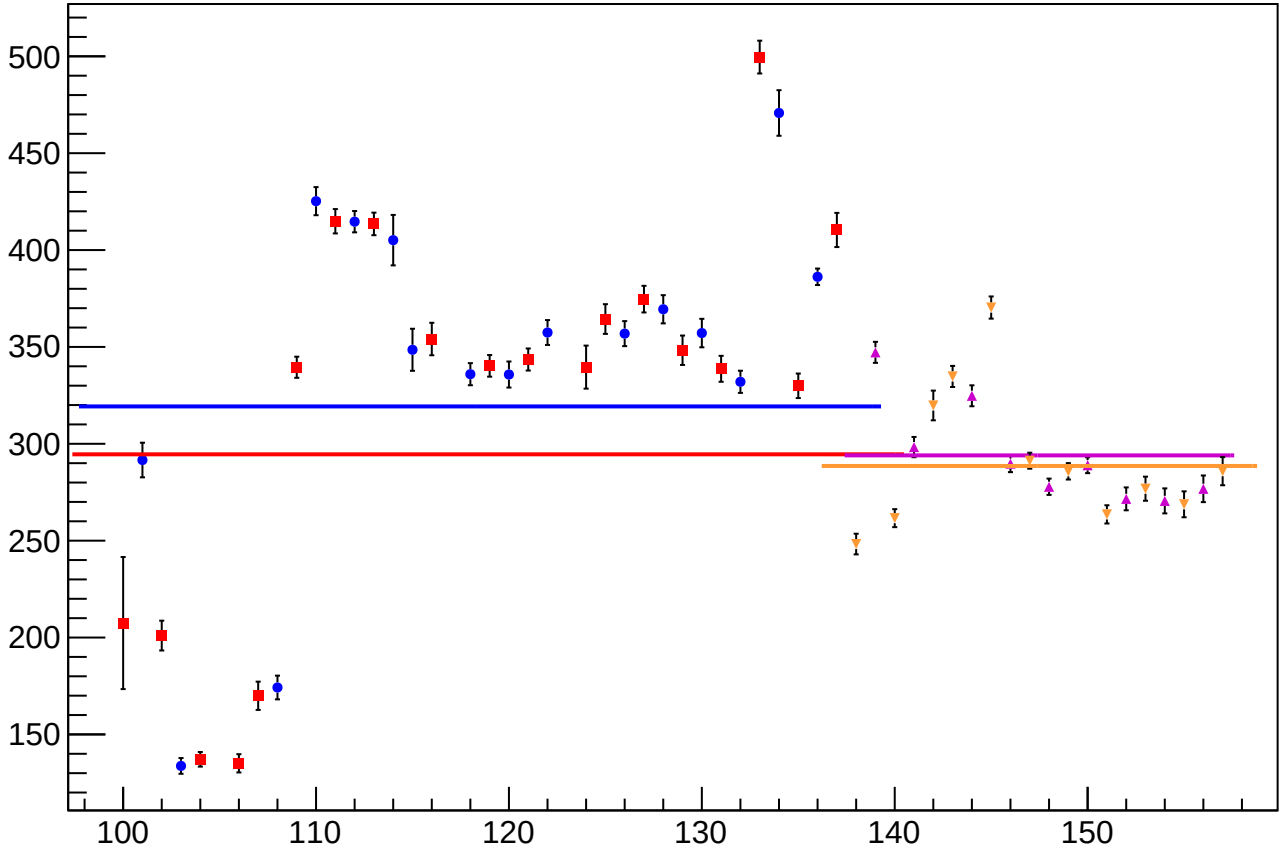
Left In: 19.256+/-1.127 χ^2/NDF:50.3/8

+ sign 17.100+/-0.856 χ^2/NDF: 253.1/26

All: 16.699+/-0.610 χ^2/NDF: 432.9/54

- sign 16.285+/-0.870 χ^2/NDF: 179.4/27

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 288.561+/-1.602 χ^2/NDF:424.8/10

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

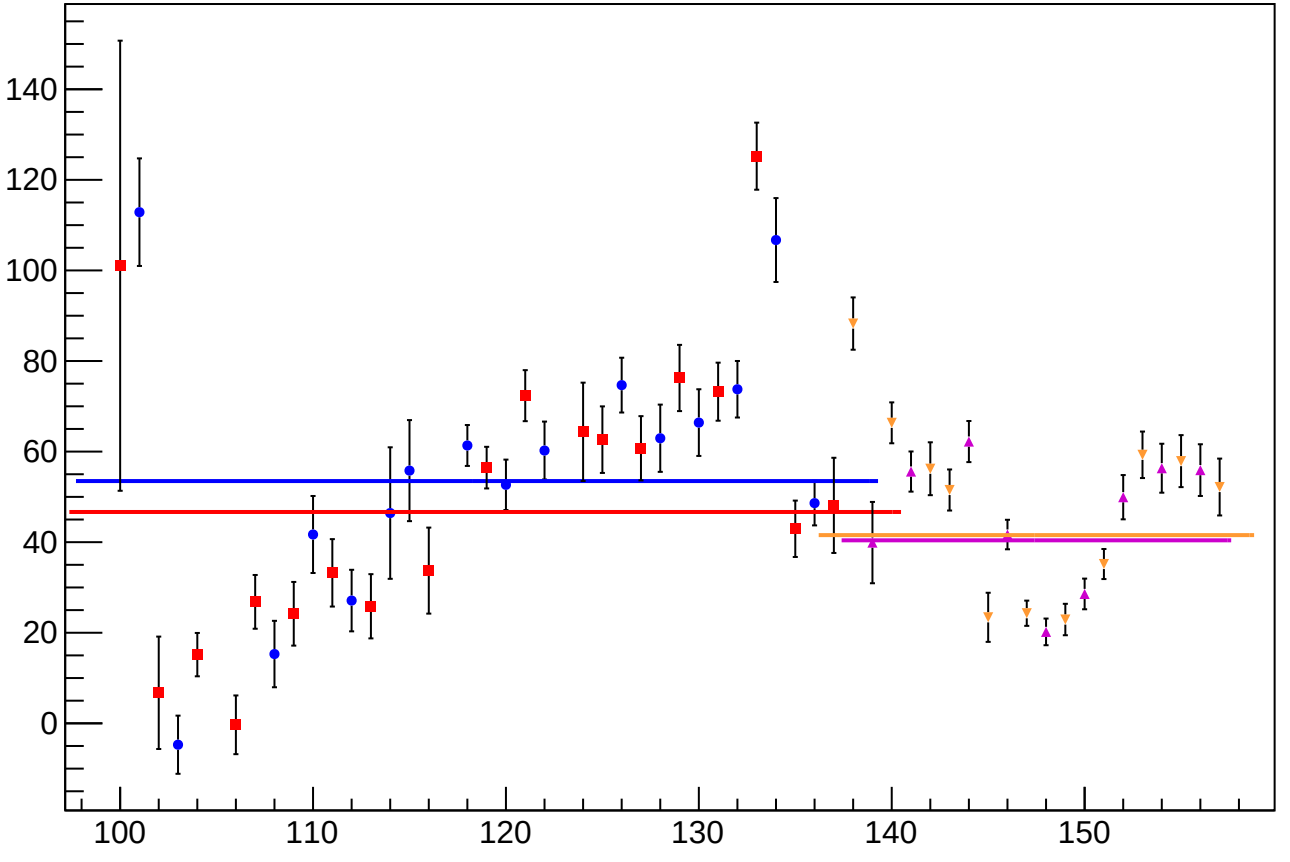
Left In: 294.026+/-1.697 χ^2/NDF:180.5/8

+ sign 304.080+/-1.127 χ^2/NDF: 4403.6/26

All: 299.159+/-0.793 χ^2/NDF: 10125.1/54

- sign 294.333+/-1.116 χ^2/NDF: 5683.7/27

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 41.558+/-1.305 χ^2/NDF:211.7/10

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

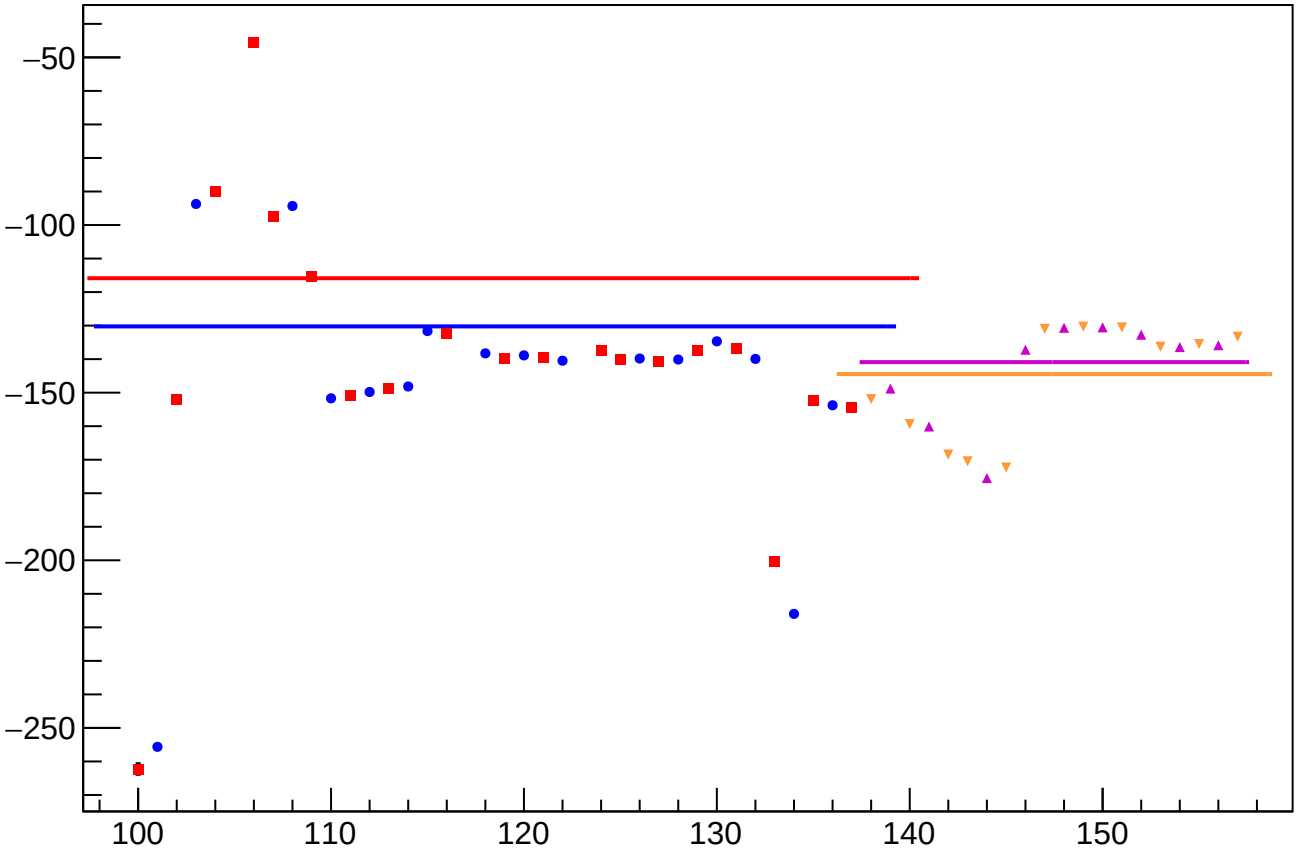
Left In: 40.406+/-1.393 χ^2/NDF:114.2/8

+ sign 45.986+/-1.035 χ^2/NDF: 460.0/26

All: 44.571+/-0.737 χ^2/NDF: 912.4/54

- sign 43.118+/-1.049 χ^2/NDF: 448.6/27

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -144.465+/-0.064 χ^2/NDF:62960.5/10

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

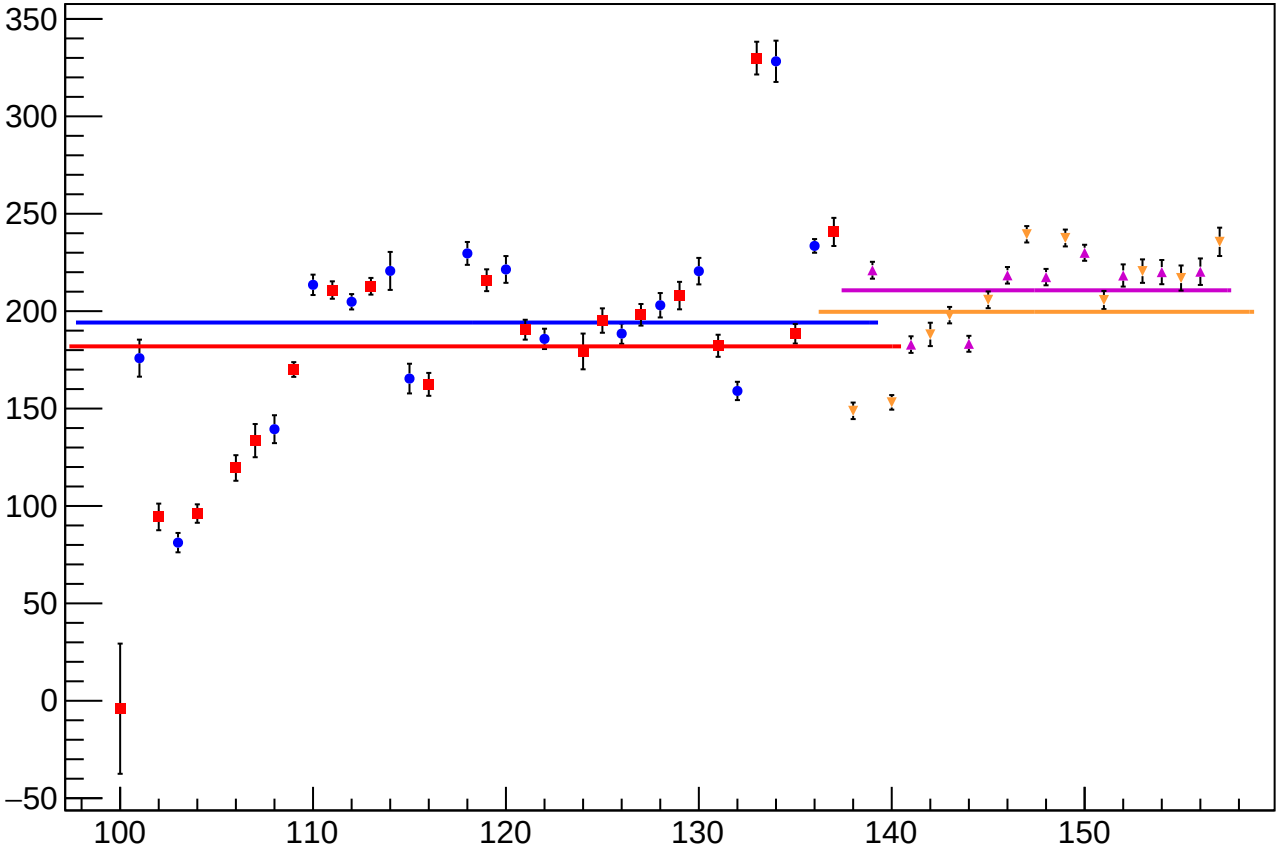
Left In: -140.889+/-0.066 χ^2/NDF:40457.8/8

+ sign -139.750+/-0.052 χ^2/NDF: 253487.5/26

All: -135.644+/-0.037 χ^2/NDF: 565504.3/54

- sign -131.547+/-0.052 χ^2/NDF: 299764.9/27

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 199.669+/-1.426 χ^2/NDF:514.9/10

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

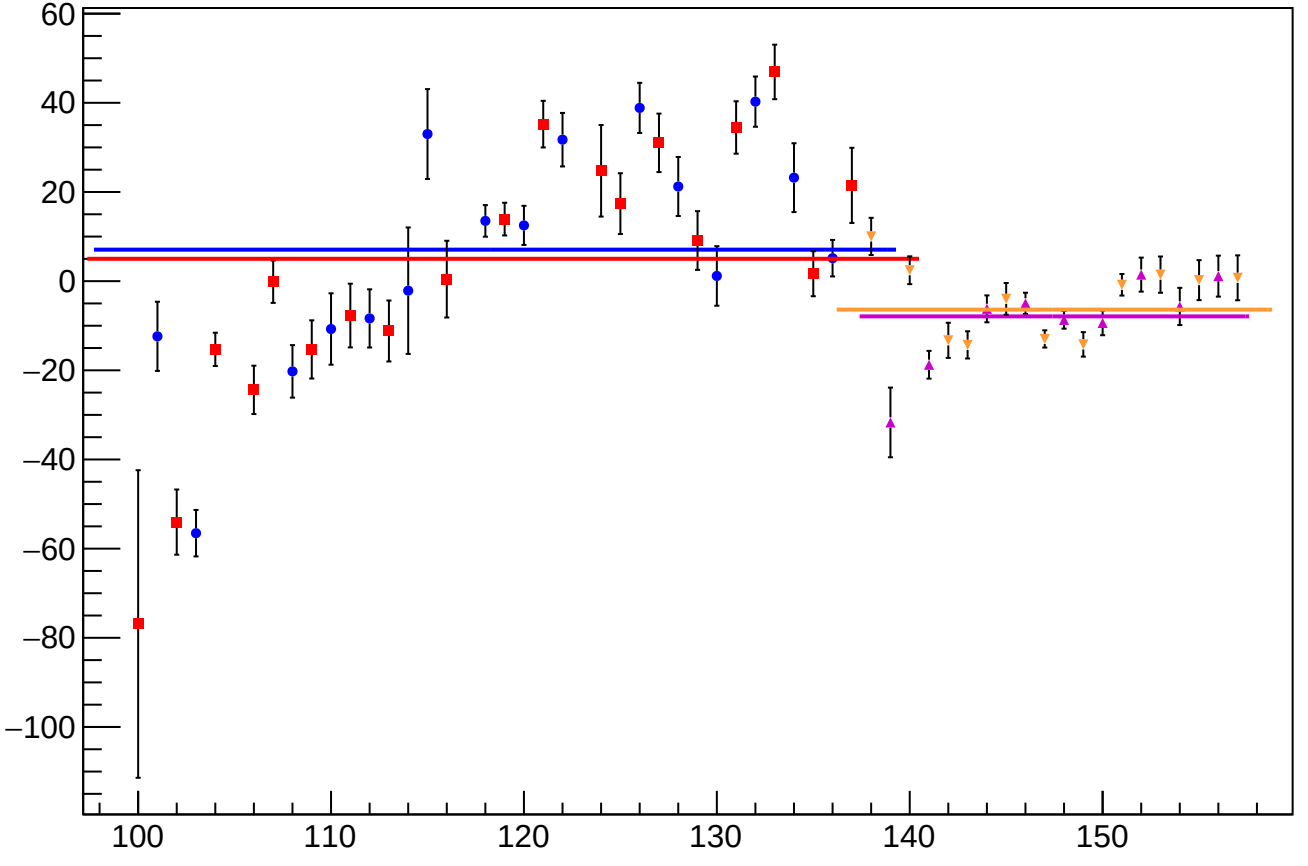
Left In: 210.702+/-1.547 χ^2/NDF:127.5/8

+ sign 196.878+/-1.002 χ^2/NDF: 1557.6/26

All: 195.478+/-0.709 χ^2/NDF: 3093.7/54

- sign 194.069+/-1.005 χ^2/NDF: 1532.2/27

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.388+/-0.940 χ^2/NDF:66.6/10

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

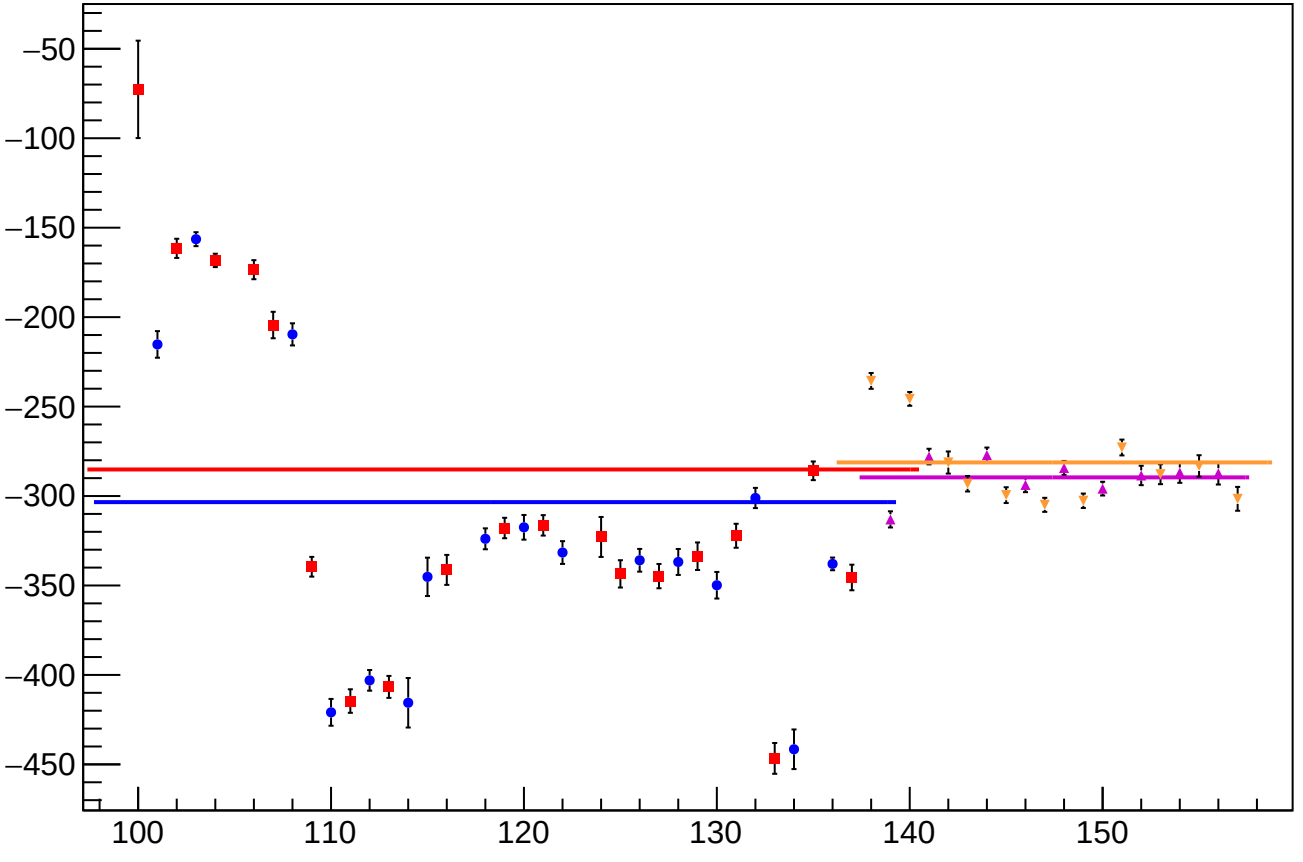
Left In: -7.903+/-1.018 χ^2/NDF:33.9/8

+ sign -2.378+/-0.788 χ^2/NDF: 420.2/26

All: -2.797+/-0.566 χ^2/NDF: 801.3/54

- sign -3.243+/-0.814 χ^2/NDF: 380.5/27

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -281.219+/-1.402 χ^2/NDF:294.7/10

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

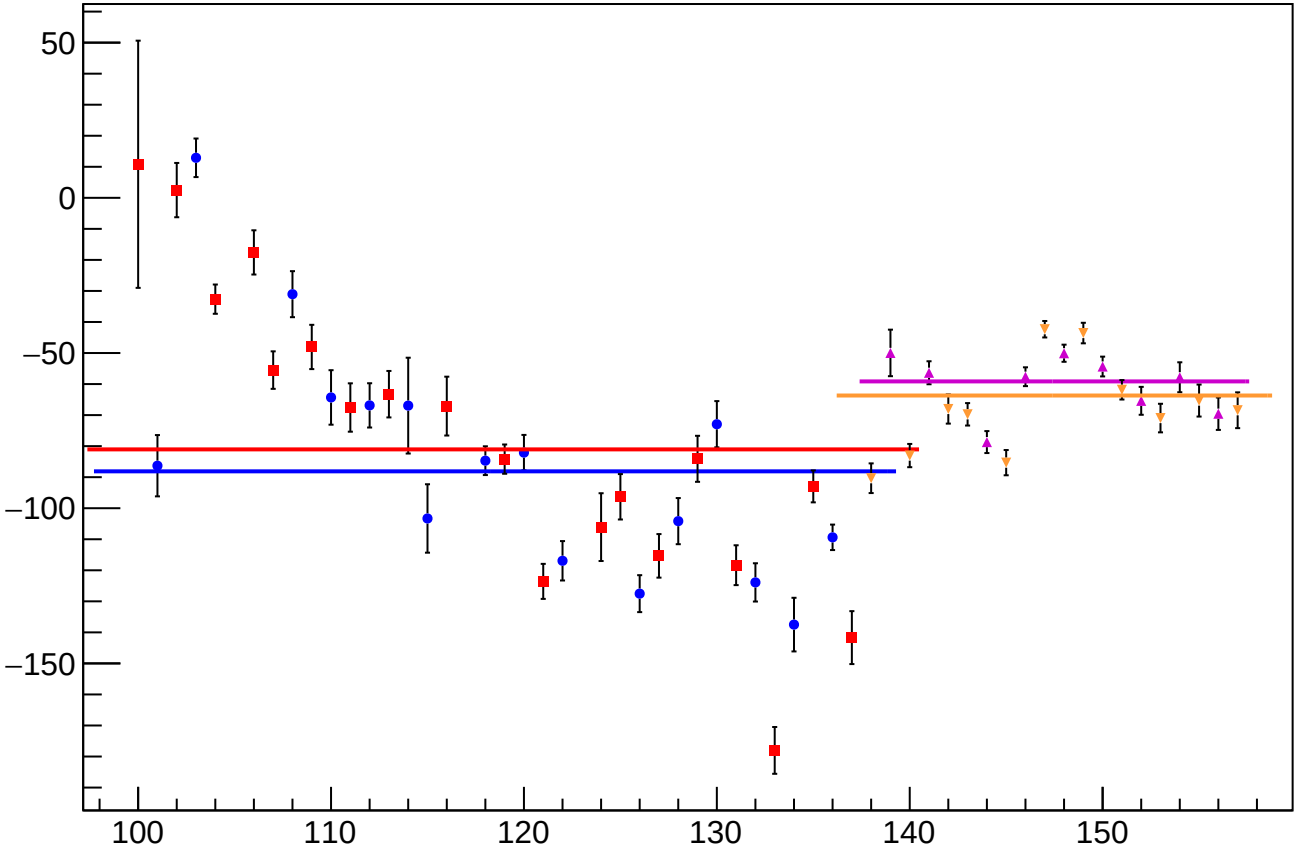
Left In: -289.580+/-1.507 χ^2/NDF:48.8/8

+ sign -291.347+/-1.034 χ^2/NDF: 3194.5/26

All: -289.336+/-0.735 χ^2/NDF: 7010.2/54

- sign -287.280+/-1.045 χ^2/NDF: 3808.1/27

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.689+/-1.157 χ^2/NDF:195.1/10

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

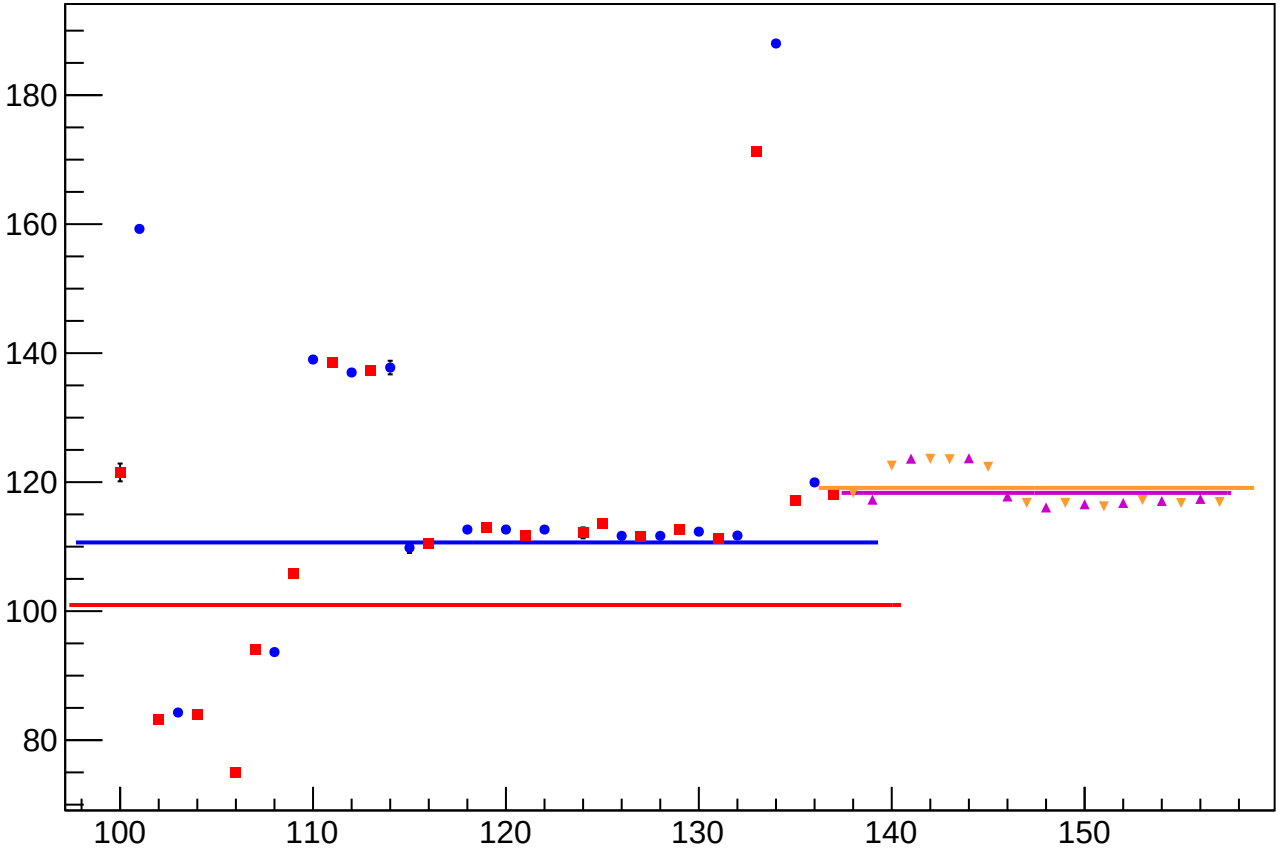
Left In: -59.144+/-1.251 χ^2/NDF:51.9/8

+ sign -71.707+/-0.948 χ^2/NDF: 853.4/26

All: -69.748+/-0.681 χ^2/NDF: 1710.7/54

- sign -67.661+/-0.978 χ^2/NDF: 848.6/27

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.107+/-0.056 χ^2/NDF:2651.1/10

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

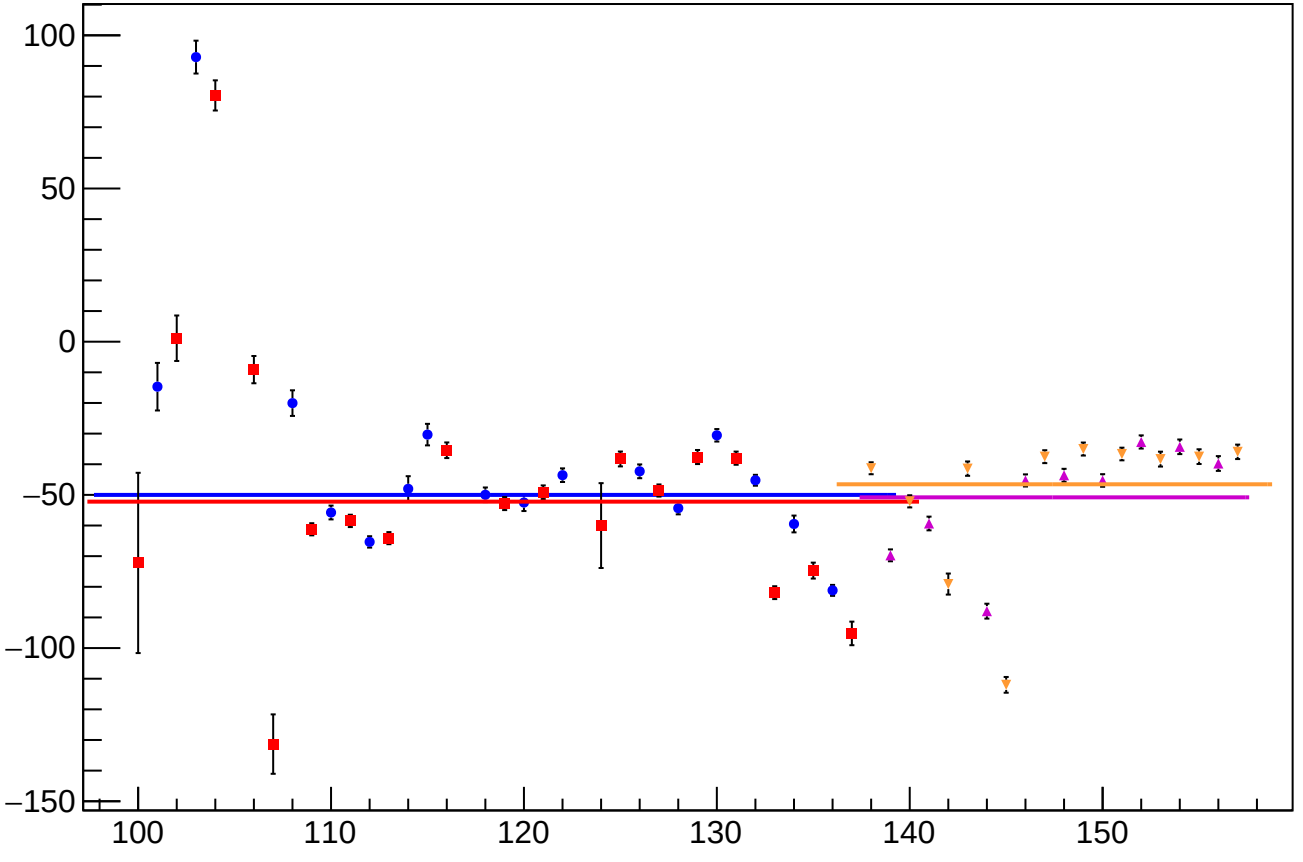
Left In: 118.337+/-0.059 χ^2/NDF:2202.6/8

+ sign 116.571+/-0.047 χ^2/NDF: 92969.2/26

All: 114.475+/-0.033 χ^2/NDF: 191371.0/54

- sign 112.324+/-0.048 χ^2/NDF: 94373.6/27

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -46.542+/-0.684 χ^2/NDF:873.3/10

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

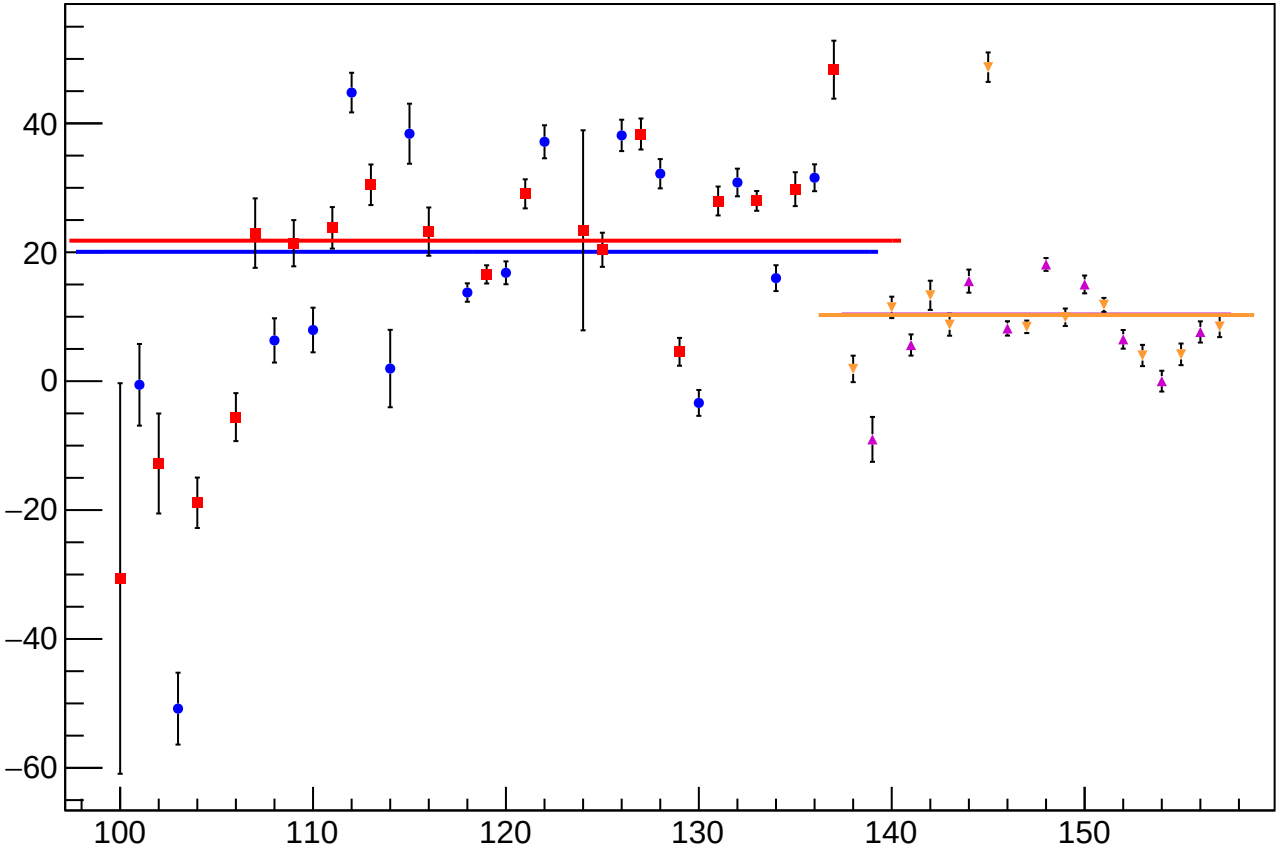
Left In: -50.805+/-0.723 χ^2/NDF:508.5/8

+ sign -48.473+/-0.455 χ^2/NDF: 2214.9/26

All: -50.022+/-0.325 χ^2/NDF: 4319.5/54

- sign -51.630+/-0.464 χ^2/NDF: 2081.0/27

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.264+/-0.452 χ^2/NDF:337.5/10

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

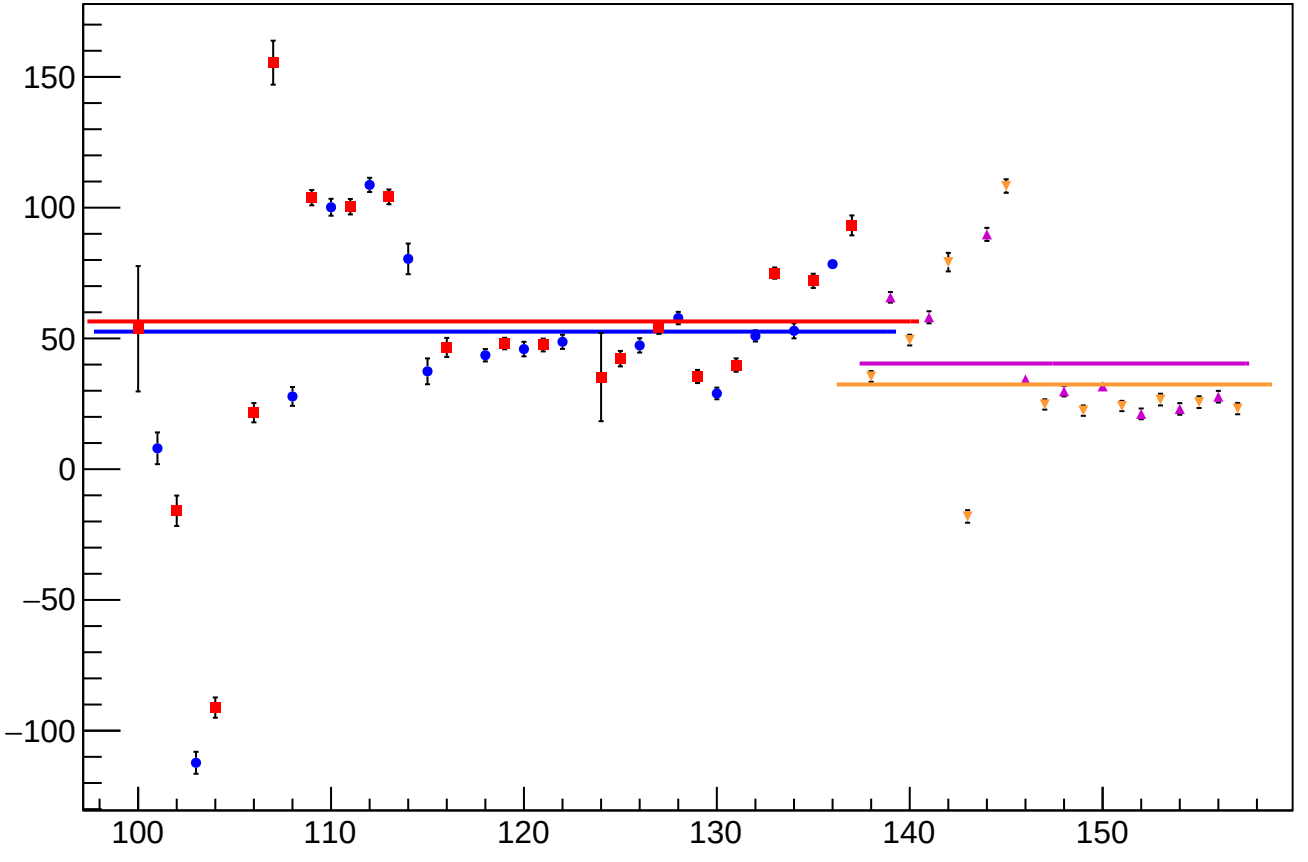
Left In: 10.338+/-0.481 χ^2/NDF:174.2/8

+ sign 13.731+/-0.364 χ^2/NDF: 1139.8/26

All: 14.159+/-0.263 χ^2/NDF: 1925.7/54

- sign 14.627+/-0.381 χ^2/NDF: 783.0/27

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 32.392+/-0.665 χ^2/NDF:1630.2/10

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

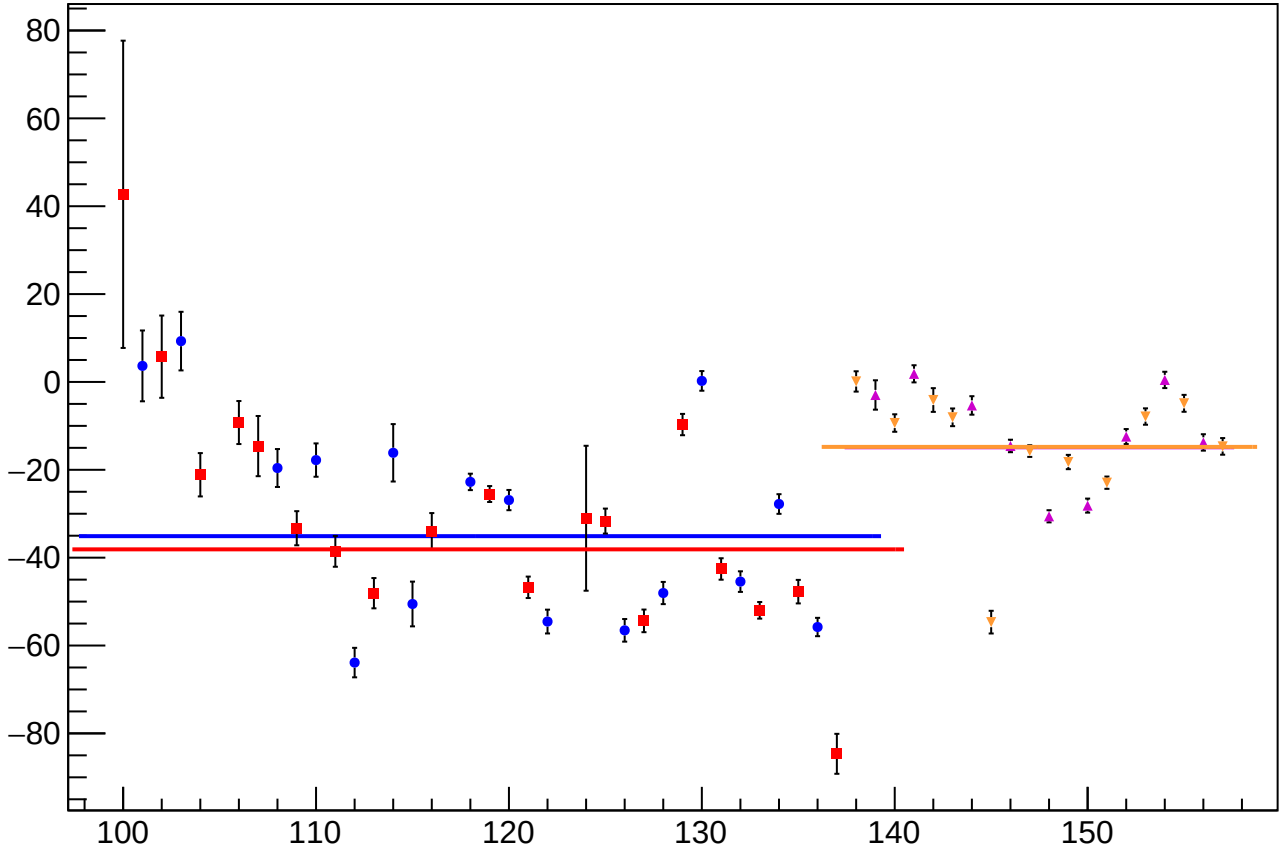
Left In: 40.401+/-0.700 χ^2/NDF:846.0/8

+ sign 42.036+/-0.481 χ^2/NDF: 4730.2/26

All: 45.110+/-0.346 χ^2/NDF: 8888.4/54

- sign 48.393+/-0.497 χ^2/NDF: 4073.7/27

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.785+/-0.554 χ^2/NDF:393.3/10

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

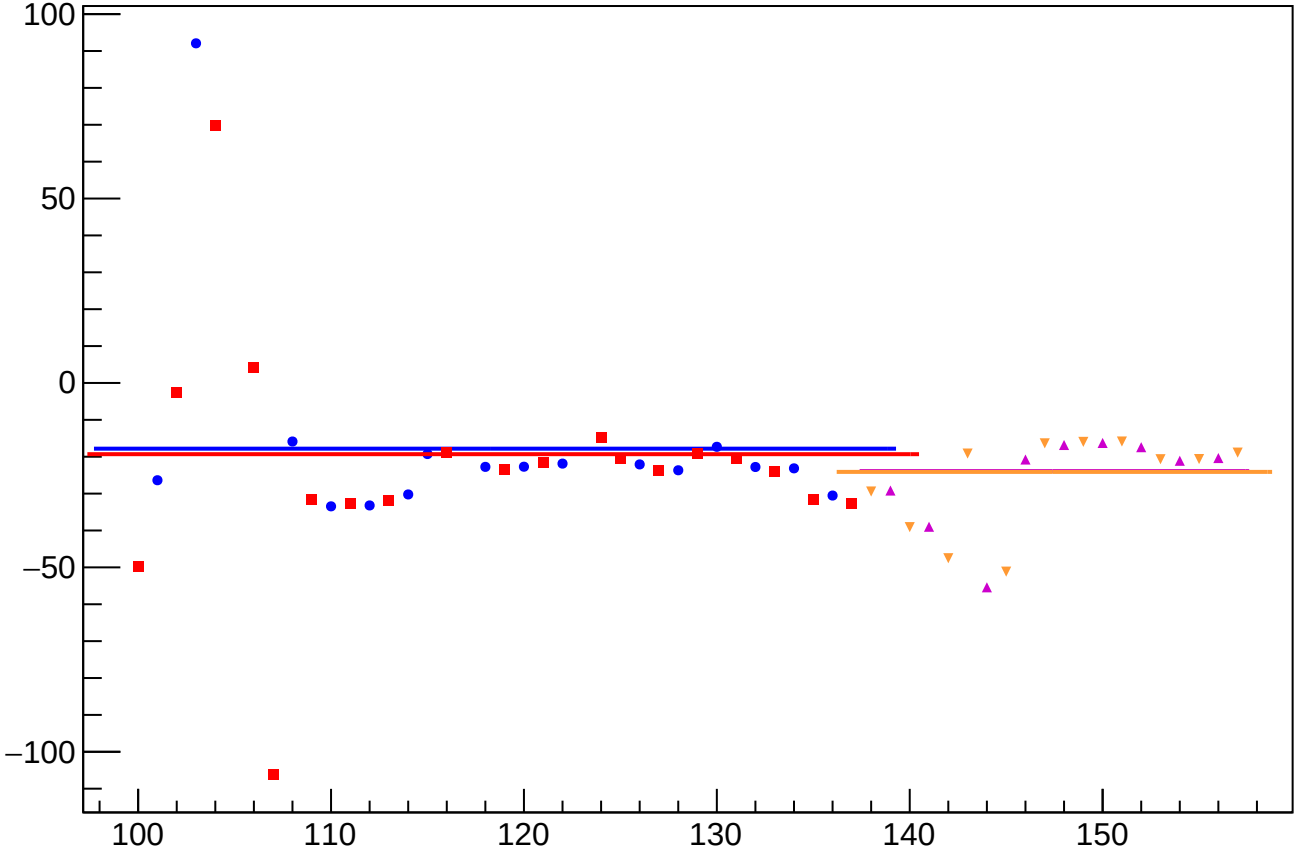
Left In: -14.877+/-0.587 χ^2/NDF:374.4/8

+ sign -22.603+/-0.434 χ^2/NDF: 1684.8/26

All: -23.390+/-0.314 χ^2/NDF: 3212.5/54

- sign -24.248+/-0.453 χ^2/NDF: 1520.9/27

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -24.112+/-0.026 χ^2/NDF:168542.8/10

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

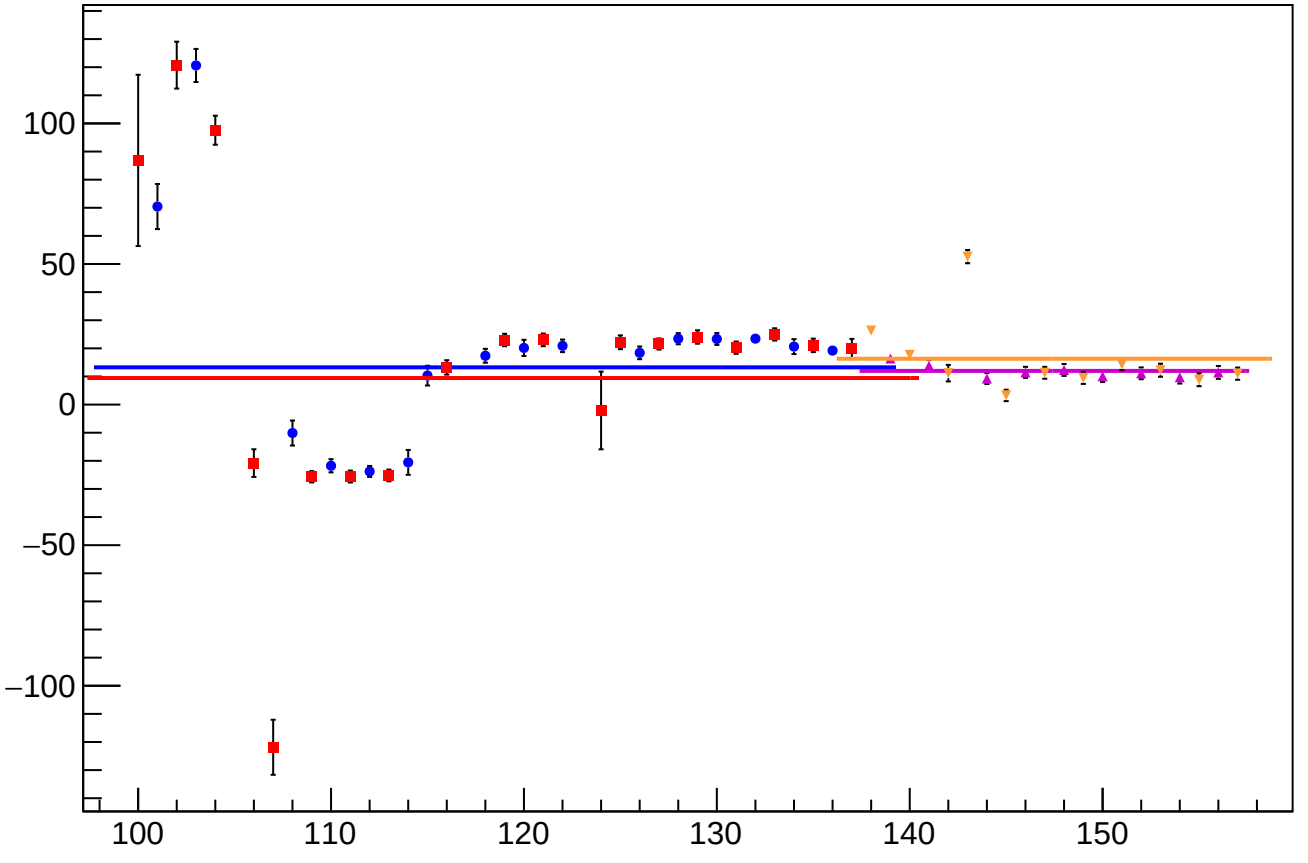
Left In: -23.892+/-0.027 χ^2/NDF:140445.2/8

+ sign -22.466+/-0.022 χ^2/NDF: 610305.0/26

All: -22.602+/-0.016 χ^2/NDF: 1102872.4/54

- sign -22.749+/-0.023 χ^2/NDF: 492488.4/27

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.311+/-0.640 χ^2/NDF:349.3/10

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

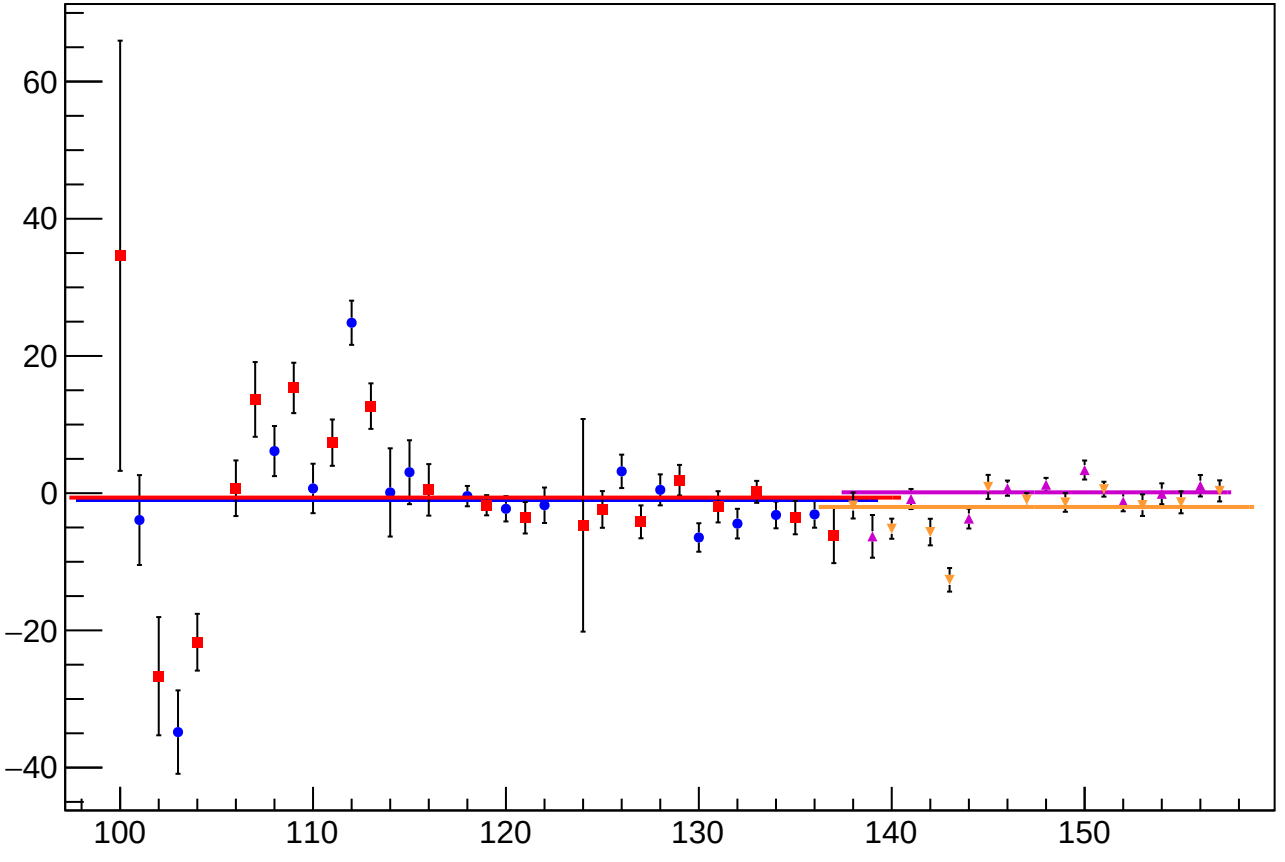
Left In: 11.984+/-0.676 χ^2/NDF:11.5/8

+ sign 14.718+/-0.443 χ^2/NDF: 1543.7/26

All: 12.711+/-0.318 χ^2/NDF: 3441.6/54

- sign 10.598+/-0.455 χ^2/NDF: 1855.8/27

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.011+/-0.433 χ^2/NDF:58.9/10

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

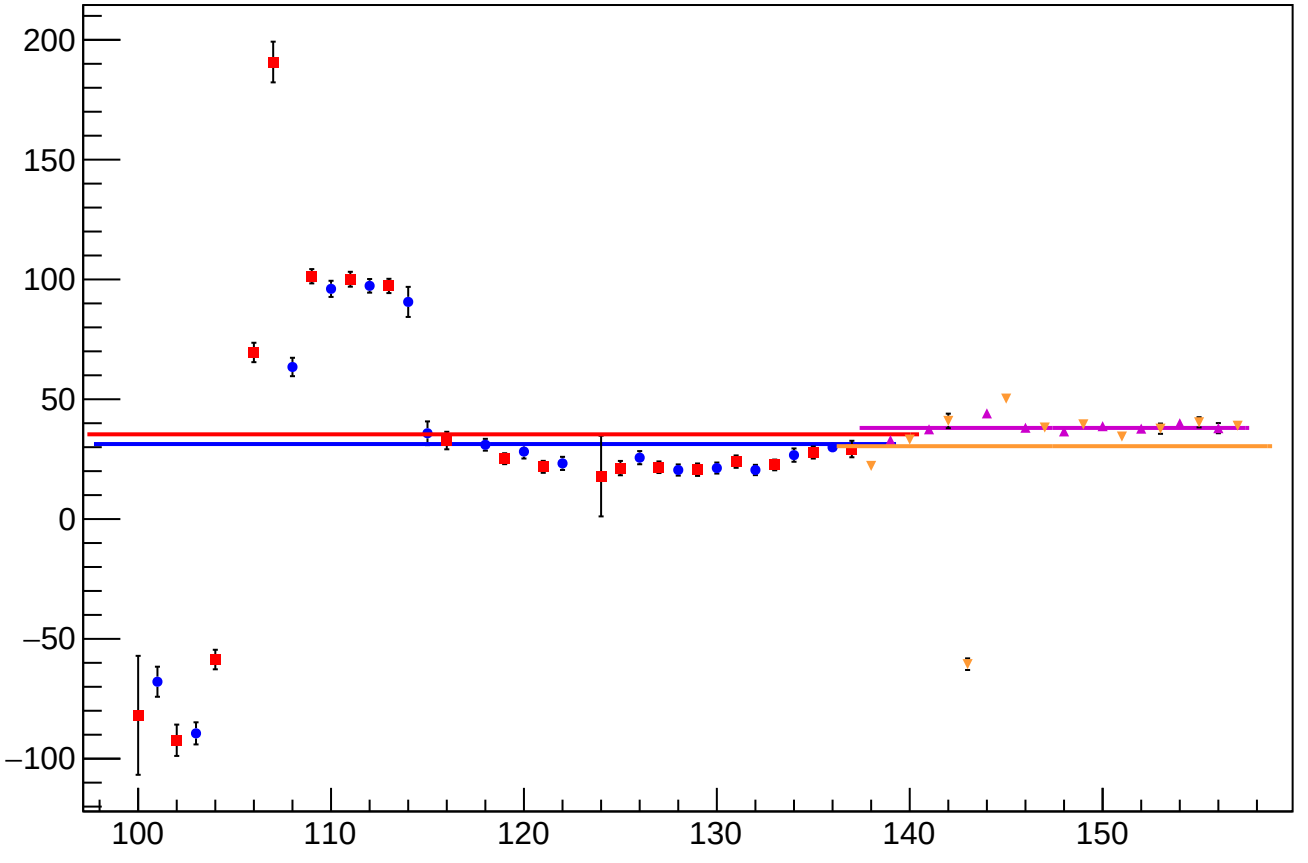
Left In: 0.123+/-0.460 χ^2/NDF:20.0/8

+ sign -1.677+/-0.355 χ^2/NDF: 177.0/26

All: -0.946+/-0.257 χ^2/NDF: 301.1/54

- sign -0.141+/-0.372 χ^2/NDF: 115.2/27

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.414+/-0.625 χ^2/NDF:1623.0/10

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

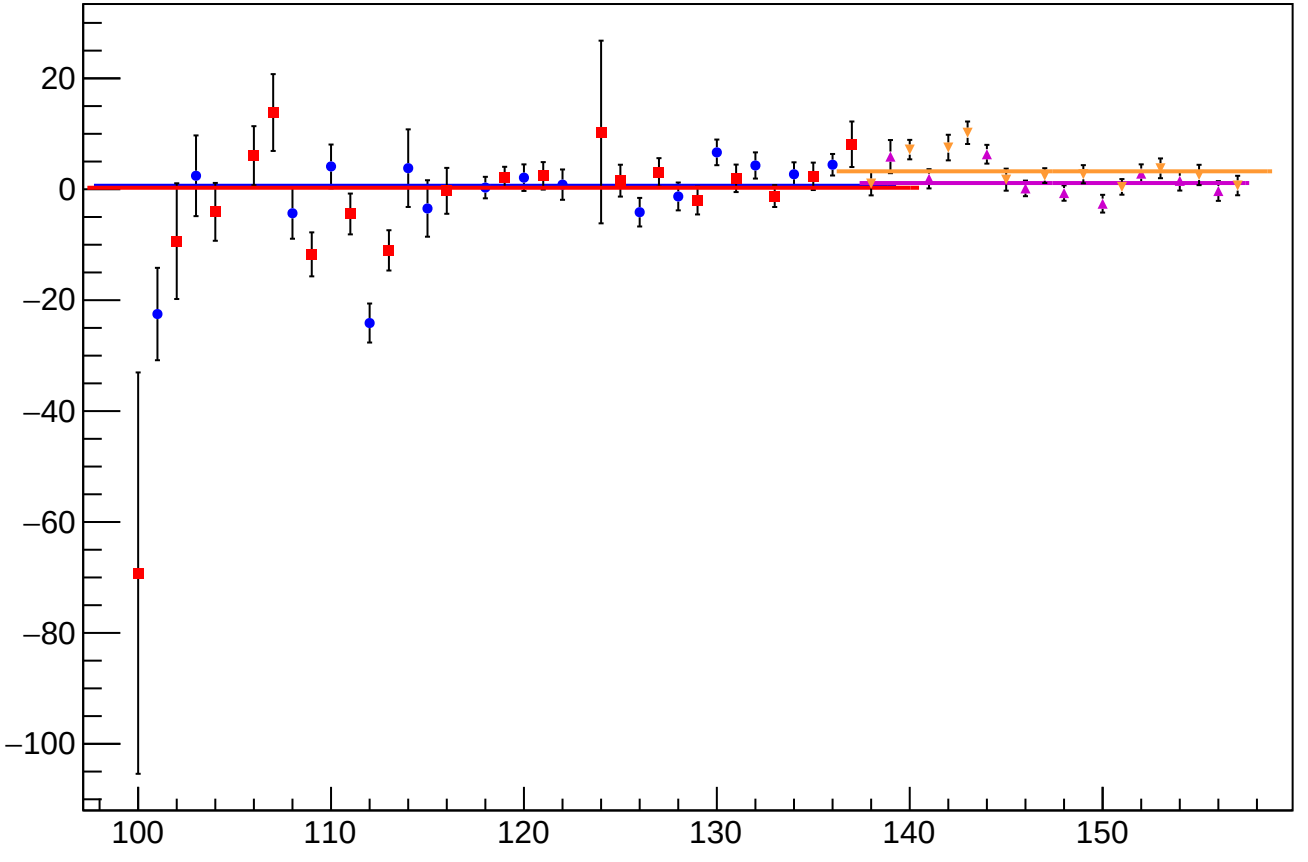
Left In: 38.034+/-0.658 χ^2/NDF:18.8/8

\+ sign 30.812+/-0.466 χ^2/NDF: 3709.8/26

All: 33.697+/-0.336 χ^2/NDF: 6713.4/54

\- sign 36.815+/-0.485 χ^2/NDF: 2924.0/27

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.237+/-0.527 χ^2/NDF:28.6/10

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

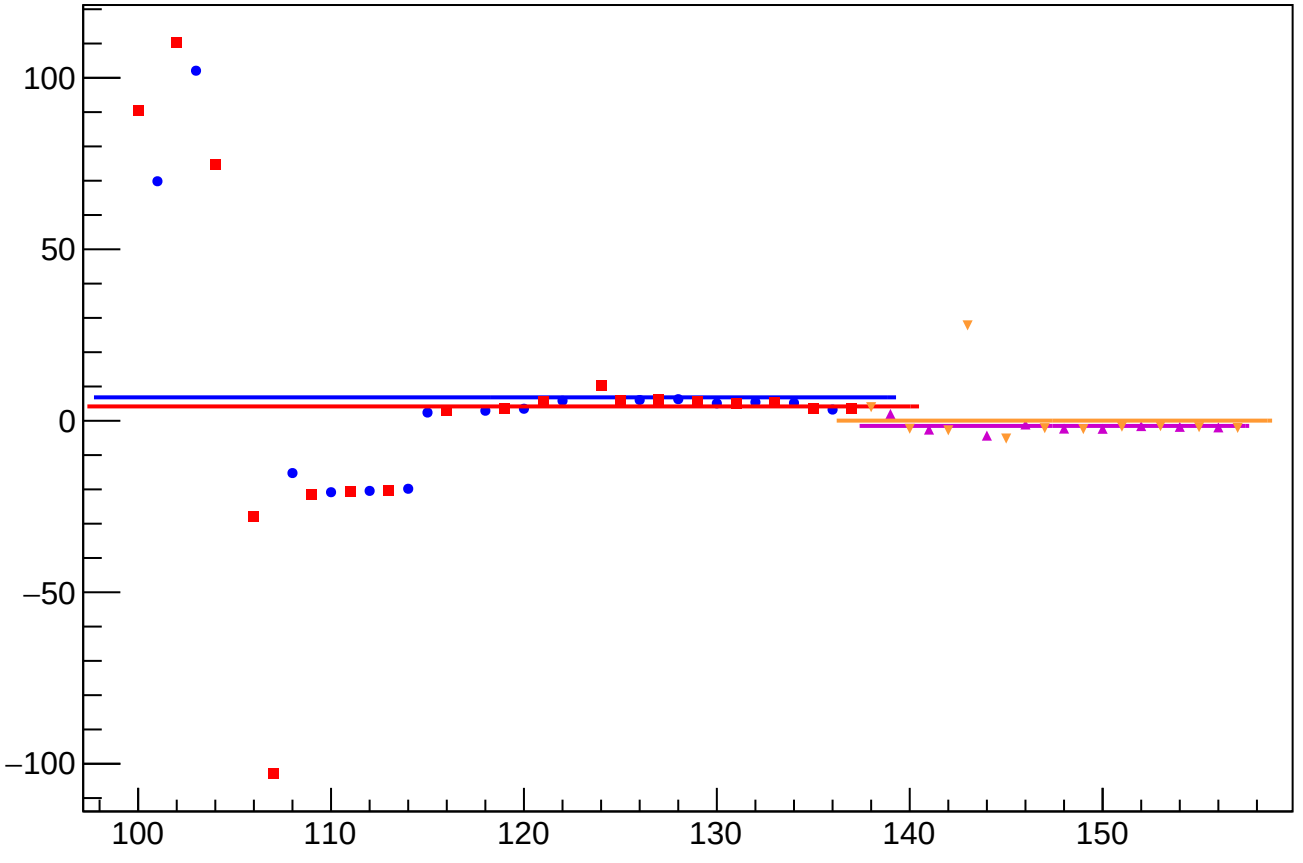
Left In: 1.124+/-0.558 χ^2/NDF:21.5/8

+ sign 2.303+/-0.422 χ^2/NDF: 115.8/26

All: 1.592+/-0.305 χ^2/NDF: 184.6/54

- sign 0.809+/-0.442 χ^2/NDF: 62.8/27

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.050+/-0.024 χ^2/NDF:88591.0/10

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

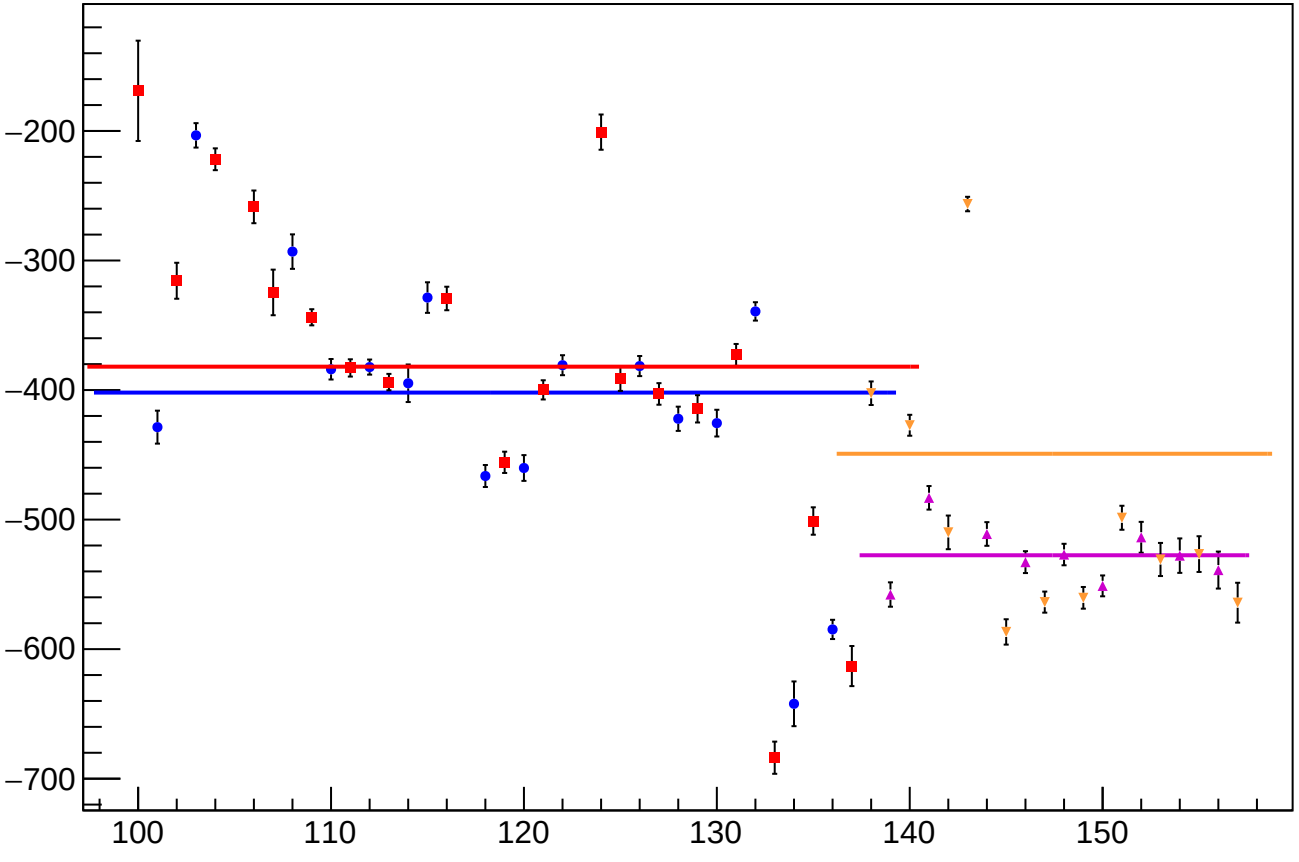
Left In: -1.495+/-0.025 χ^2/NDF:4399.7/8

+ sign 1.686+/-0.021 χ^2/NDF: 428595.4/26

All: 0.780+/-0.015 χ^2/NDF: 883101.7/54

- sign -0.211+/-0.022 χ^2/NDF: 450620.4/27

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -449.181+/-2.748 χ^2/NDF:1975.0/10

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

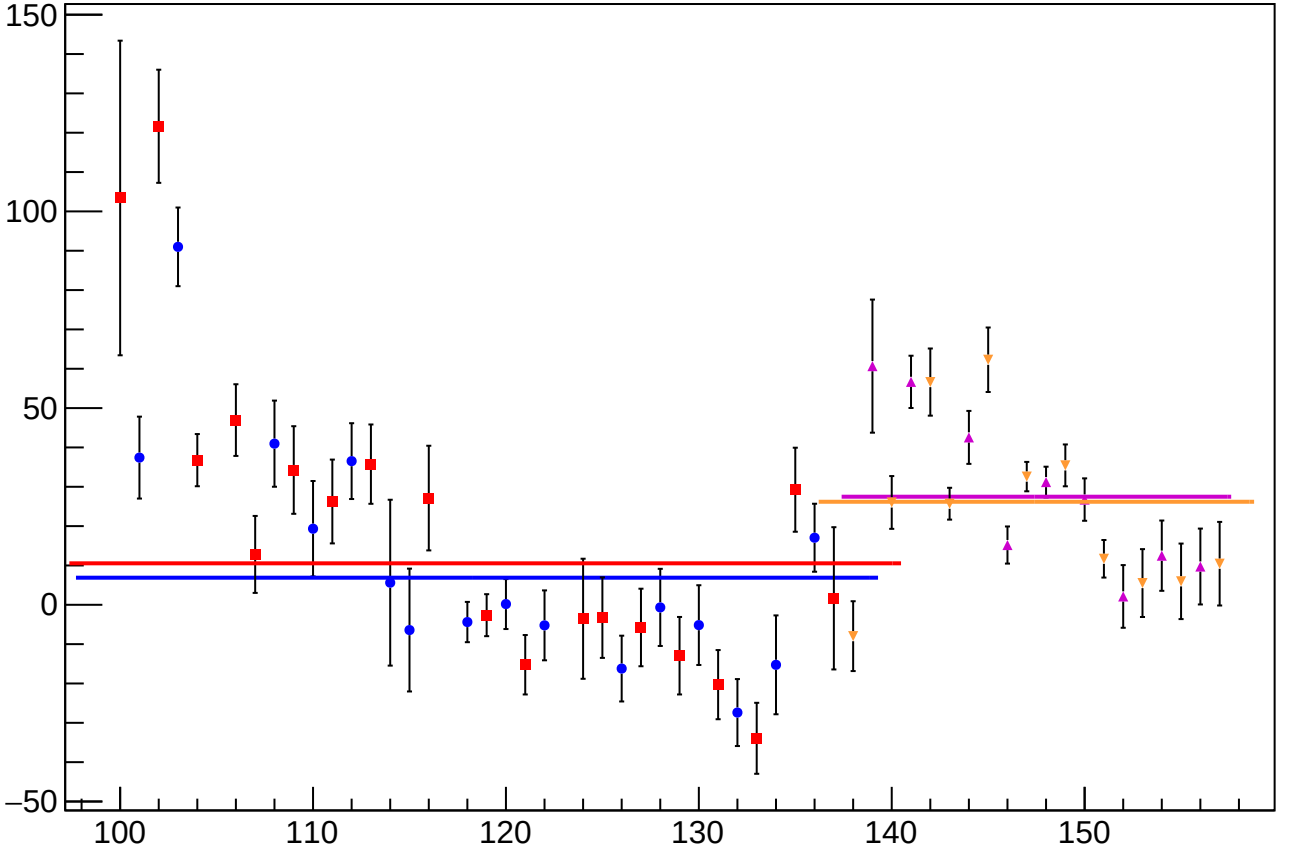
Left In: -527.532+/-3.212 χ^2/NDF:48.4/8

+ sign -420.772+/-1.734 χ^2/NDF: 3715.9/26

All: -423.454+/-1.239 χ^2/NDF: 7015.8/54

- sign -426.254+/-1.772 χ^2/NDF: 3295.0/27

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 26.192+/-1.800 χ^2/NDF:74.5/10

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

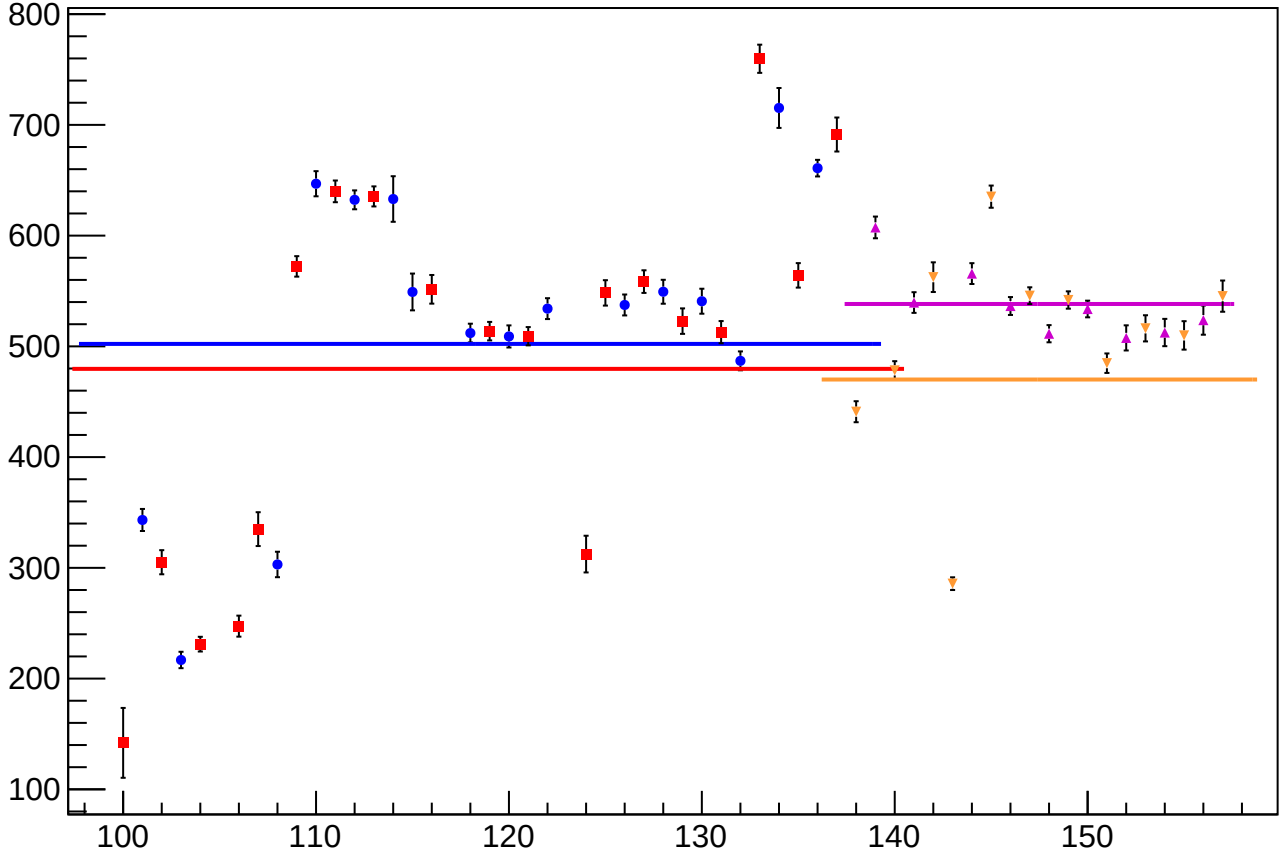
Left In: 27.475+/-2.075 χ^2/NDF:52.2/8

\+ sign 18.717+/-1.409 χ^2/NDF: 257.5/26

All: 19.077+/-1.030 χ^2/NDF: 521.2/54

\- sign 19.491+/-1.509 χ^2/NDF: 263.6/27

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 470.057+/-2.708 χ^2/NDF:1599.5/10

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

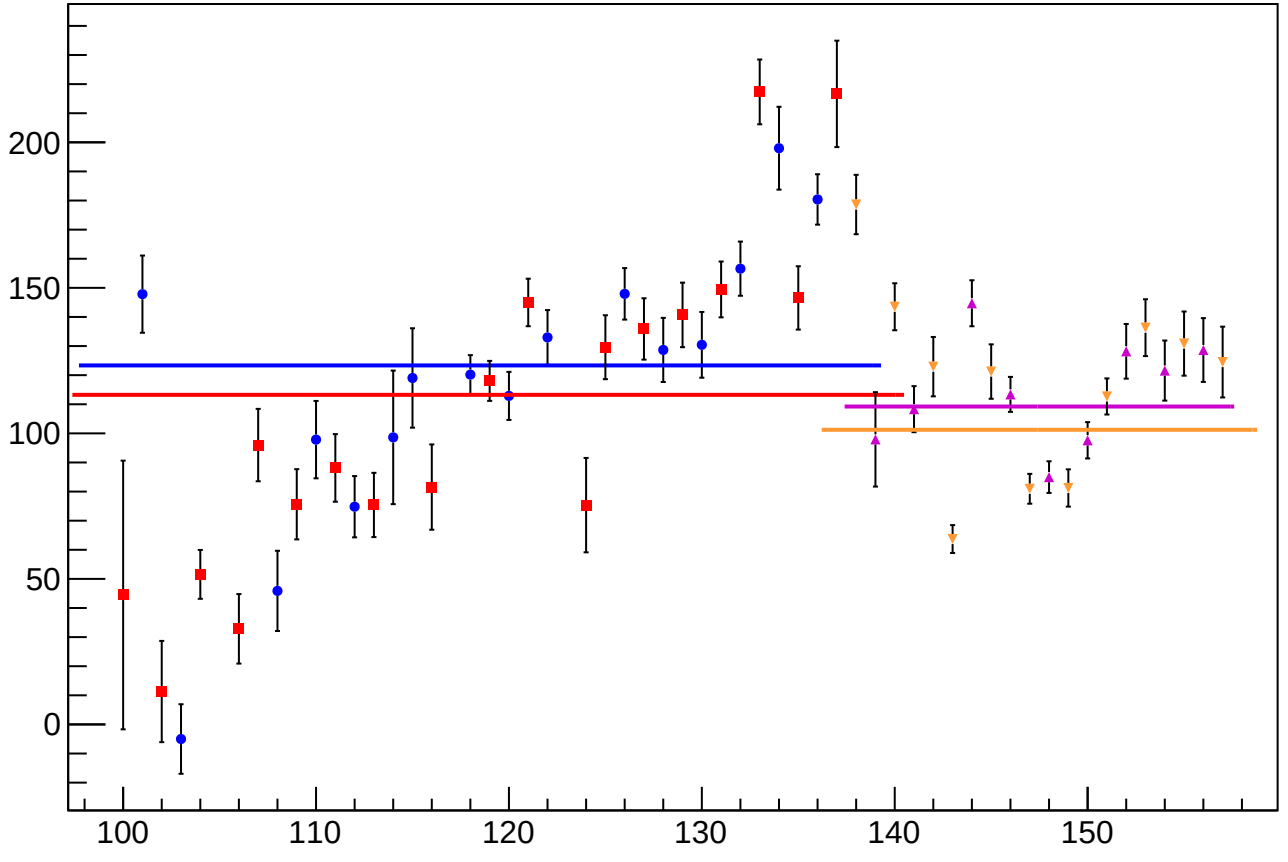
Left In: 538.269+/-3.118 χ^2/NDF:83.5/8

+ sign 487.465+/-1.834 χ^2/NDF: 4811.0/26

All: 494.213+/-1.320 χ^2/NDF: 9282.8/54

- sign 501.466+/-1.902 χ^2/NDF: 4443.8/27

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 101.231+/-2.217 χ^2/NDF:208.1/10

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

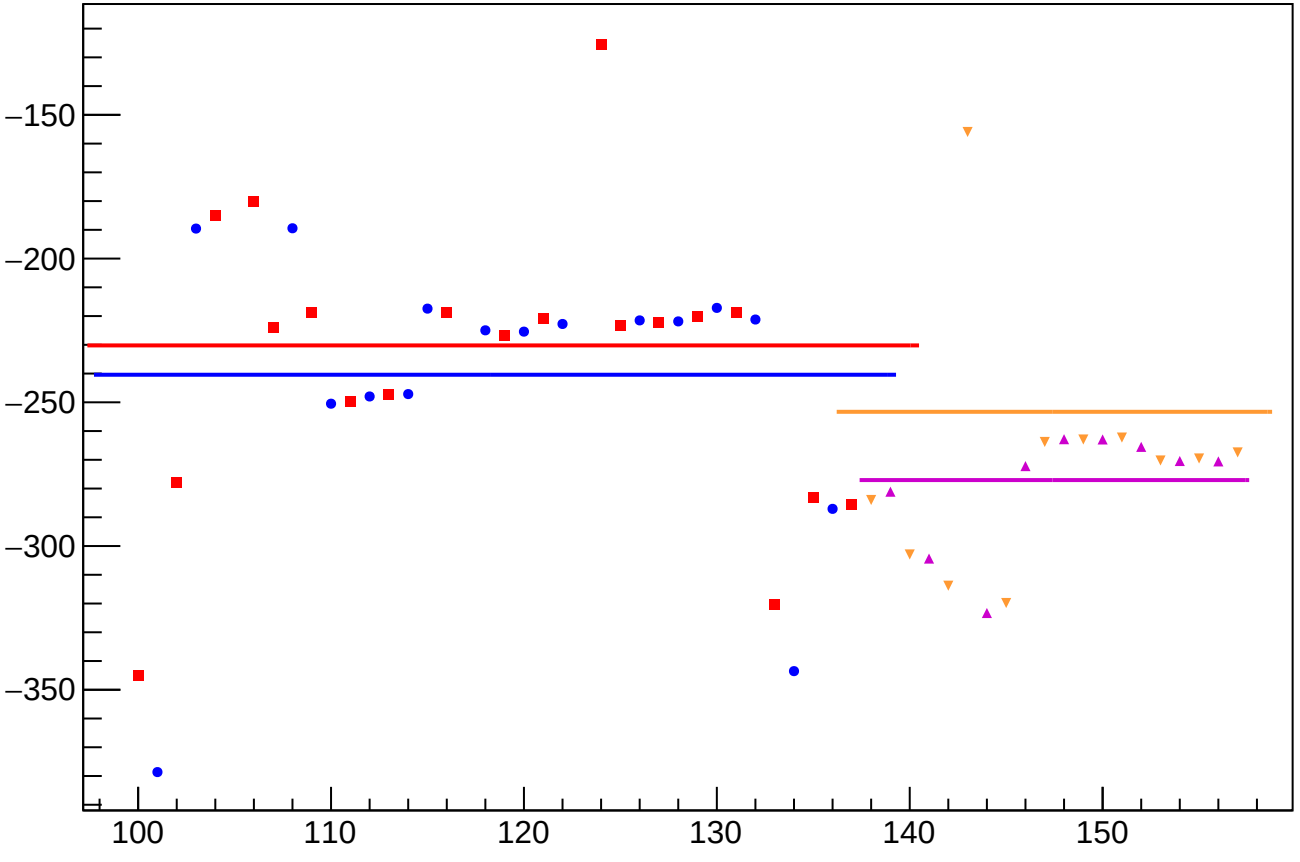
Left In: 109.226+/-2.564 χ^2/NDF:53.2/8

+ sign 110.426+/-1.694 χ^2/NDF: 520.9/26

All: 110.810+/-1.236 χ^2/NDF: 921.1/54

- sign 111.246+/-1.806 χ^2/NDF: 400.2/27

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.303+/-0.109 χ^2/NDF:236531.4/10

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

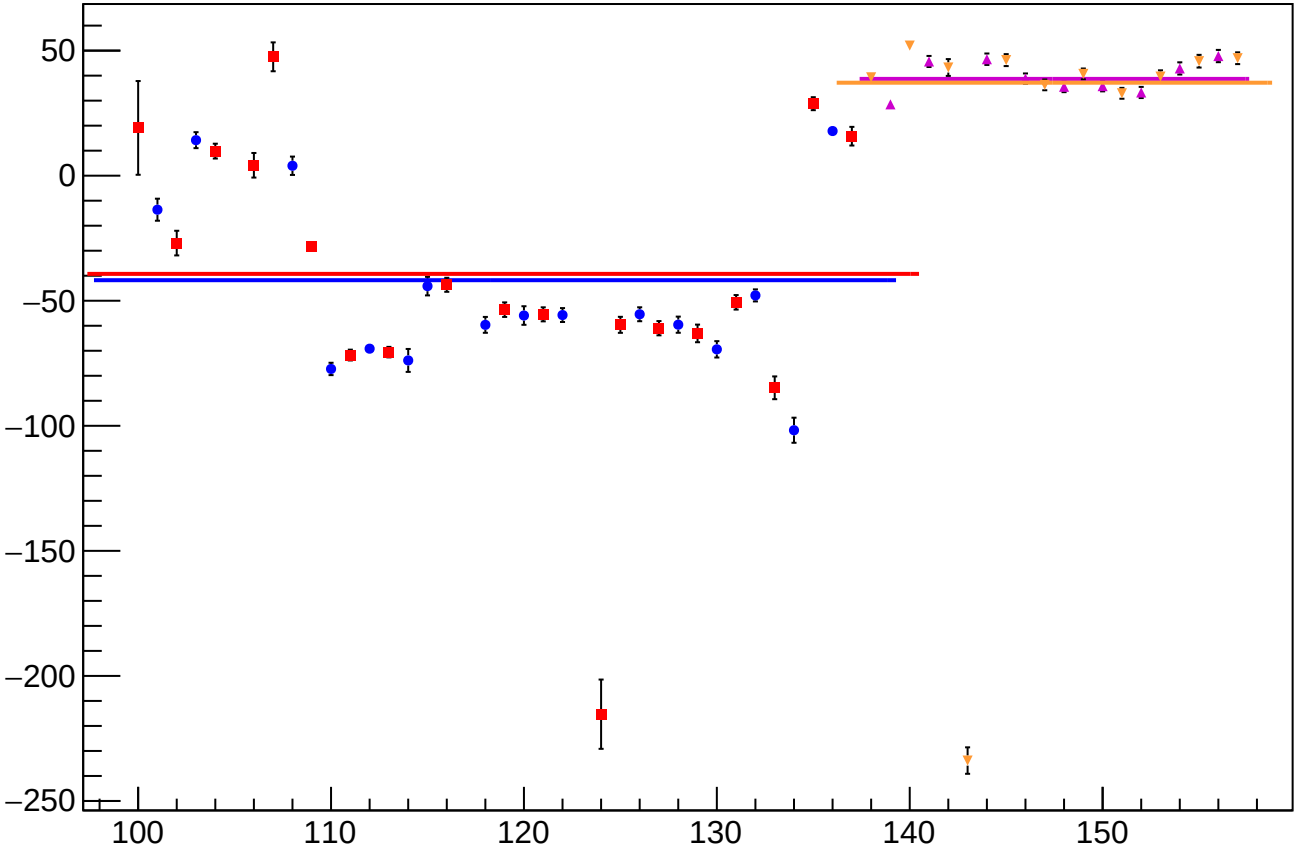
Left In: -277.052+/-0.122 χ^2/NDF:22948.7/8

+ sign -248.847+/-0.089 χ^2/NDF: 375477.5/26

All: -253.093+/-0.064 χ^2/NDF: 547088.1/54

- sign -257.856+/-0.094 χ^2/NDF: 166732.1/27

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 37.172+/-0.715 χ^2/NDF:2737.3/10

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

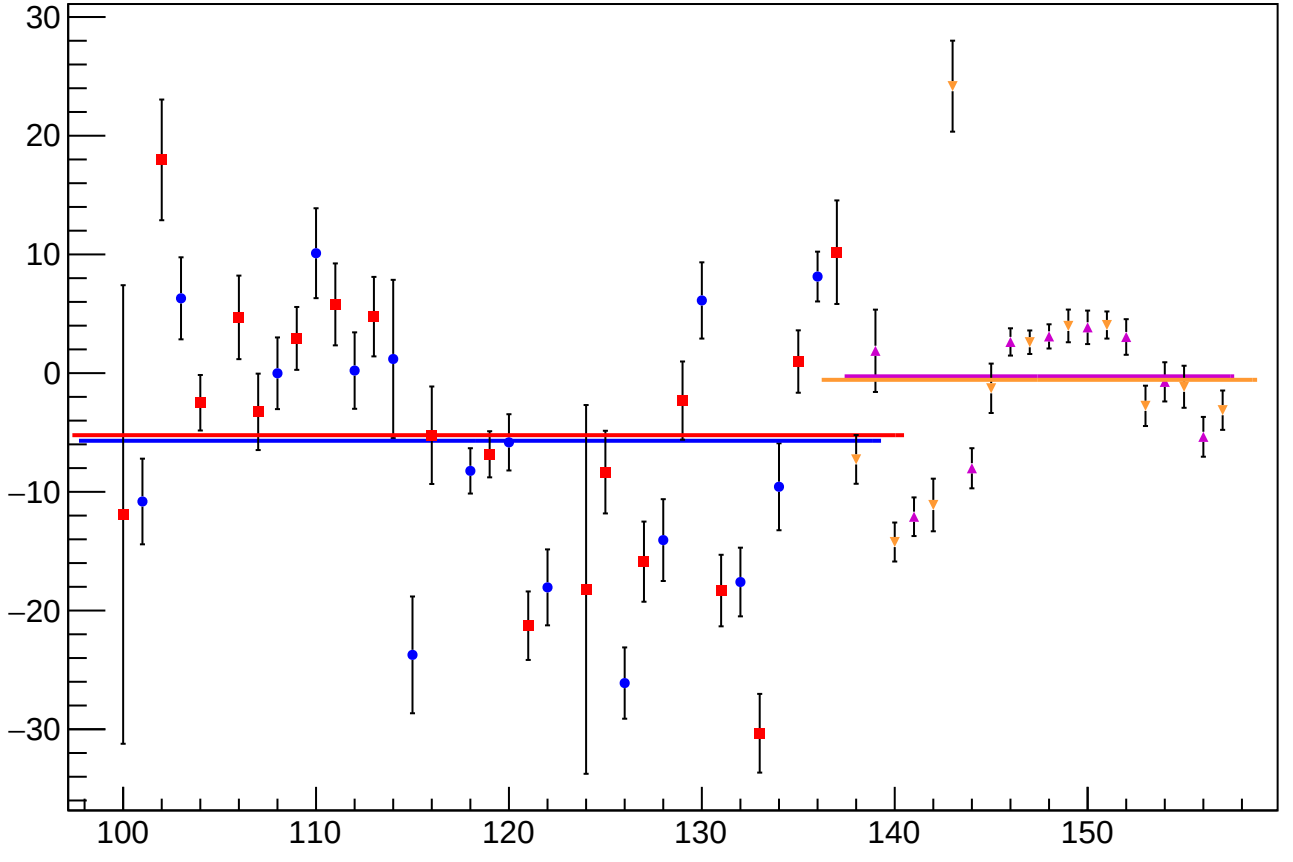
Left In: 38.695+/-0.729 χ^2/NDF:76.4/8

+ sign -1.839+/-0.508 χ^2/NDF: 11175.1/26

All: -2.450+/-0.355 χ^2/NDF: 19847.1/54

- sign -3.034+/-0.497 χ^2/NDF: 8669.2/27

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.564+/-0.474 χ^2/NDF:185.9/10

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

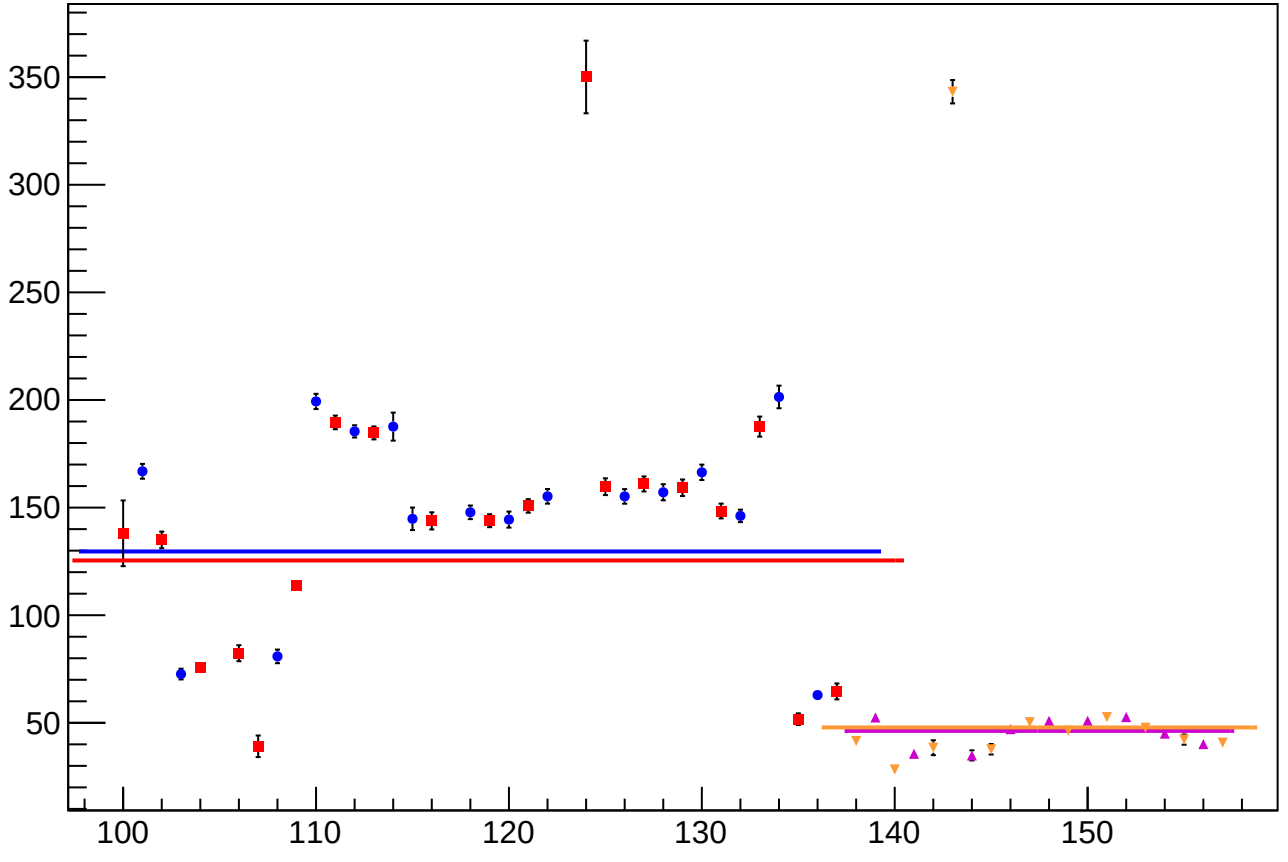
Left In: -0.269+/-0.488 χ^2/NDF:114.2/8

+ sign -2.020+/-0.401 χ^2/NDF: 415.9/26

All: -1.898+/-0.286 χ^2/NDF: 758.9/54

- sign -1.772+/-0.407 χ^2/NDF: 342.8/27

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 47.847+/-0.694 χ^2/NDF:3100.4/10

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

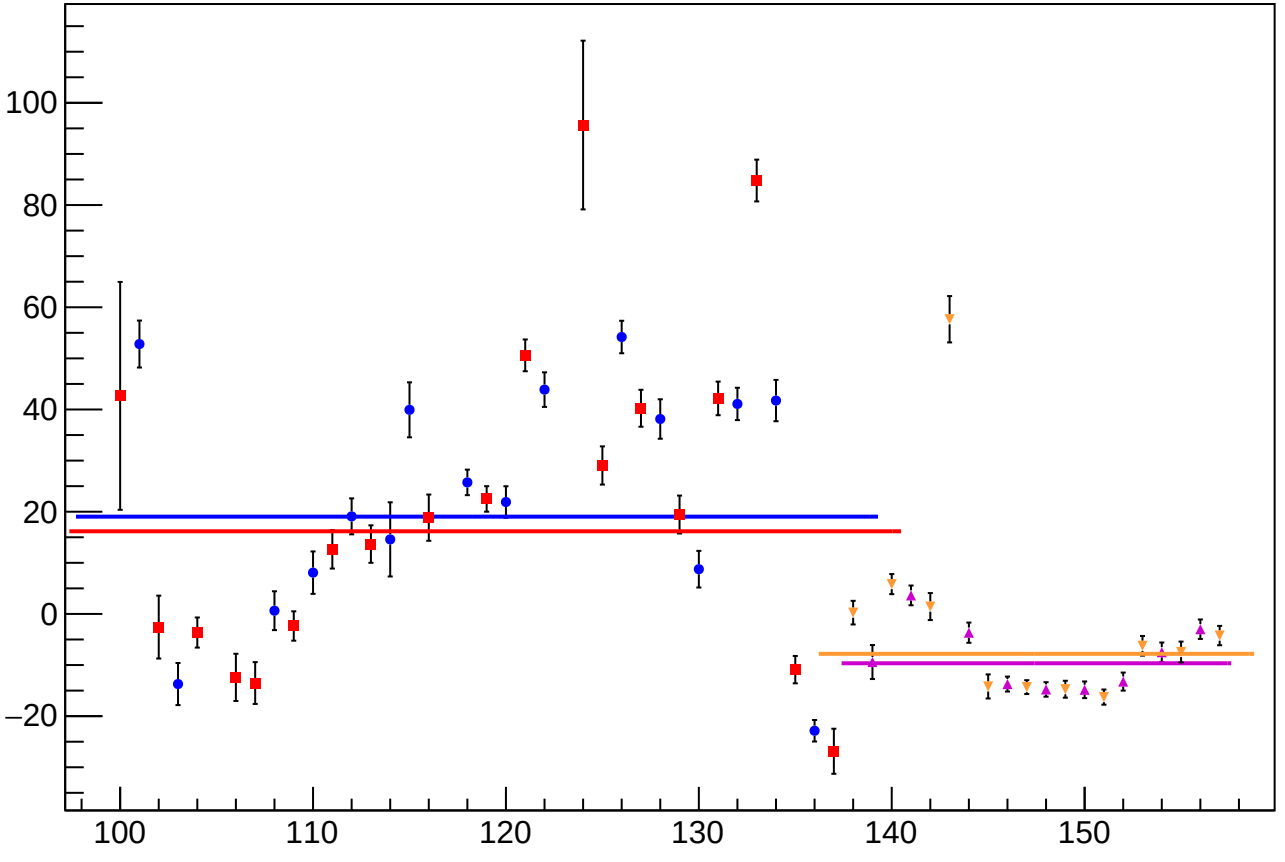
Left In: 46.247+/-0.708 χ^2/NDF:83.0/8

\+ sign 82.909+/-0.524 χ^2/NDF: 12683.9/26

All: 82.210+/-0.372 χ^2/NDF: 21850.6/54

\- sign 81.503+/-0.527 χ^2/NDF: 9163.1/27

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.808+/-0.580 χ^2/NDF:365.8/10

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

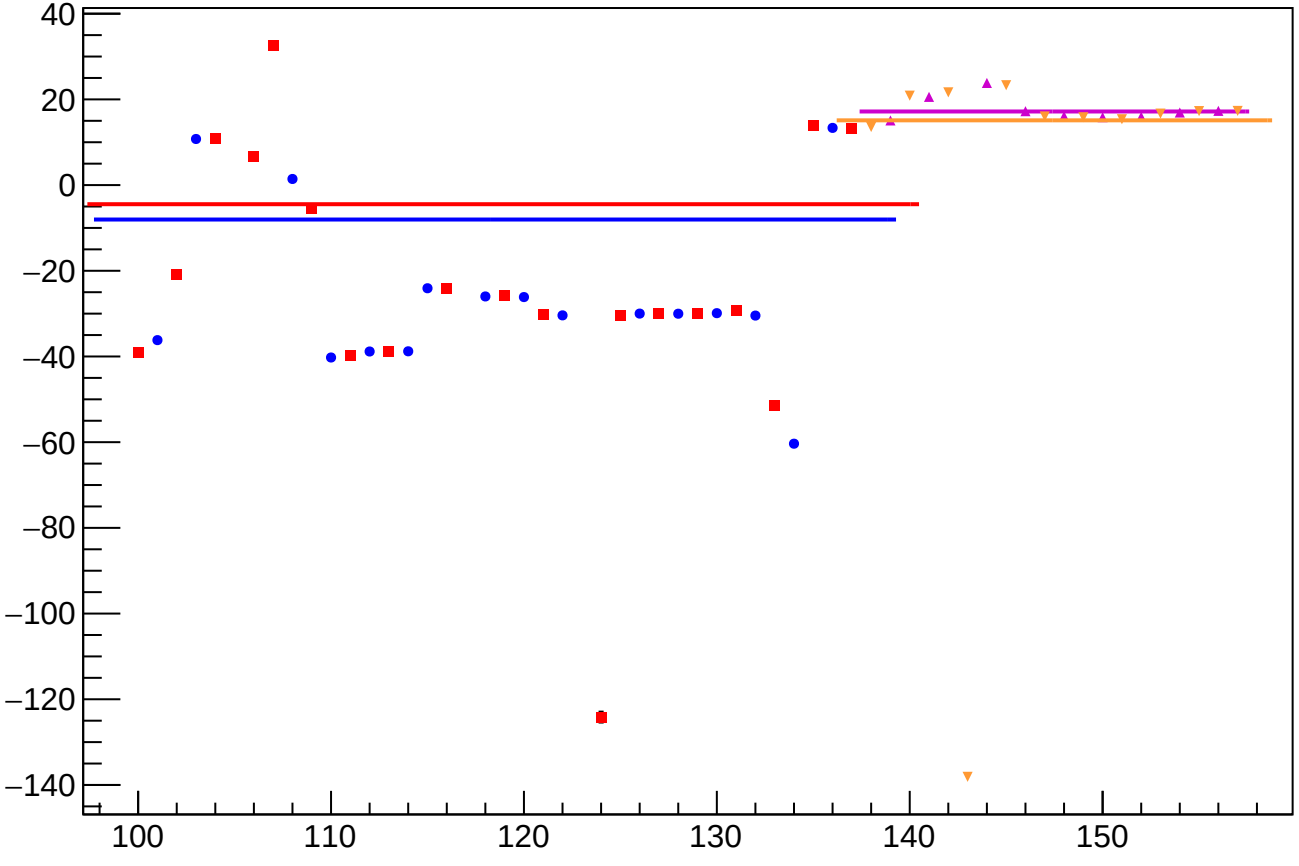
Left In: -9.650+/-0.595 χ^2/NDF:105.0/8

+ sign 0.584+/-0.481 χ^2/NDF: 1893.6/26

All: -0.251+/-0.342 χ^2/NDF: 3569.6/54

- sign -1.106+/-0.487 χ^2/NDF: 1669.8/27

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.111+/-0.027 χ^2/NDF:473752.5/10

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

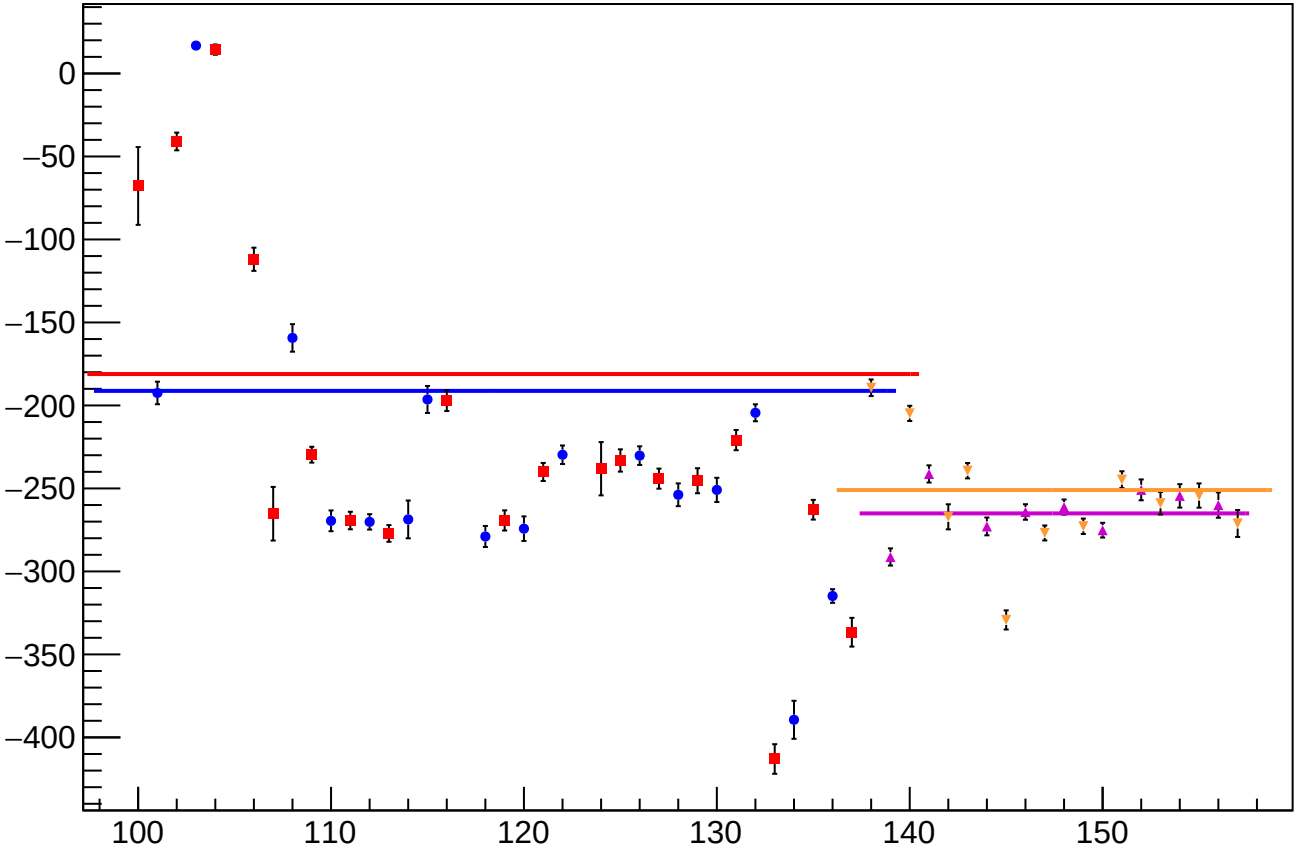
Left In: 17.177+/-0.027 χ^2/NDF:6953.4/8

+ sign 9.229+/-0.023 χ^2/NDF: 931954.3/26

All: 10.507+/-0.016 χ^2/NDF: 1334247.5/54

- sign 11.809+/-0.023 χ^2/NDF: 396113.9/27

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.981+/-1.639 χ^2/NDF:512.7/10

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

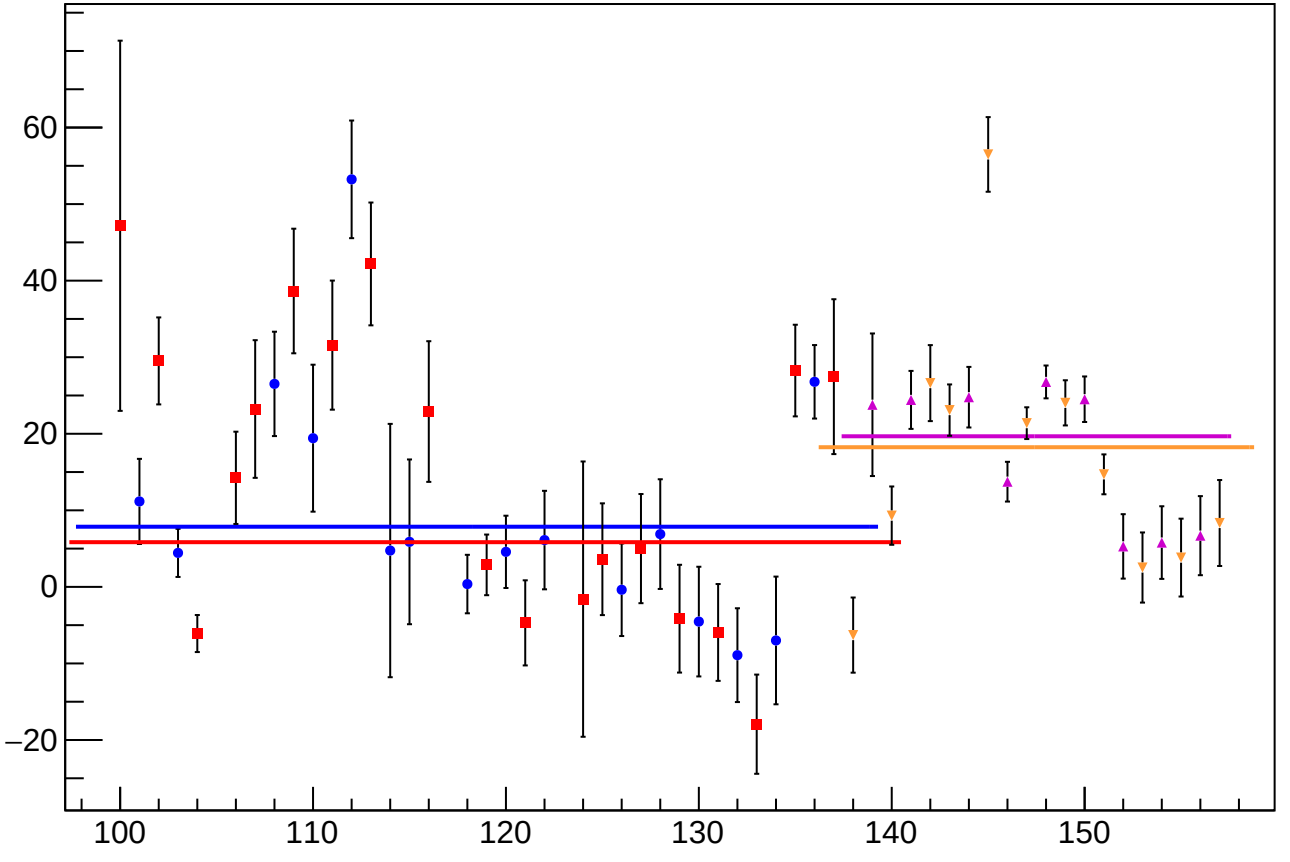
Left In: -265.043+/-1.778 χ^2/NDF:62.5/8

+ sign -216.818+/-1.073 χ^2/NDF: 8497.4/26

All: -214.803+/-0.765 χ^2/NDF: 17330.8/54

- sign -212.717+/-1.091 χ^2/NDF: 8826.2/27

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 18.243+/-1.057 χ^2/NDF:127.9/10

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

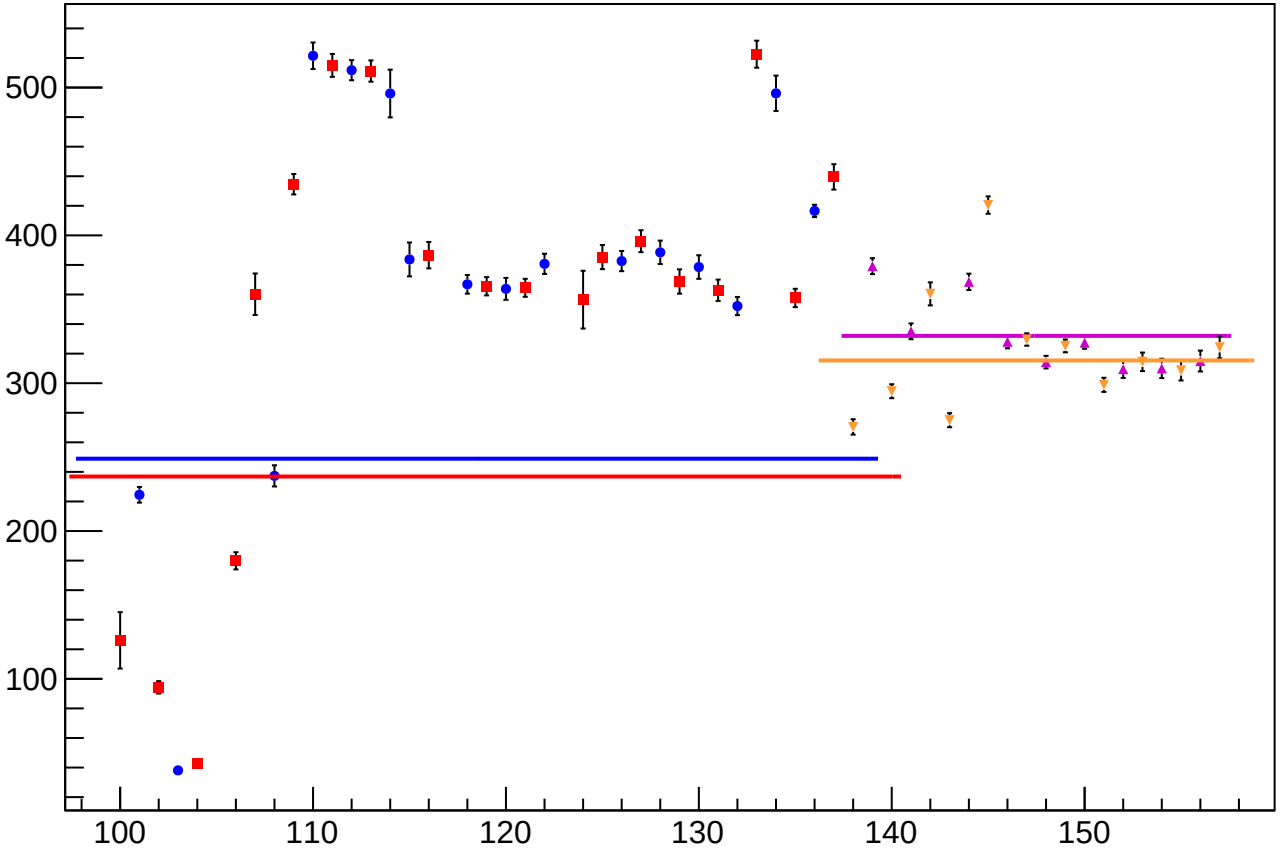
Left In: 19.672+/-1.145 χ^2/NDF:48.8/8

+ sign 14.600+/-0.852 χ^2/NDF: 242.7/26

All: 14.264+/-0.610 χ^2/NDF: 494.5/54

- sign 13.910+/-0.875 χ^2/NDF: 251.5/27

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.387+/-1.602 χ^2/NDF:549.0/10

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

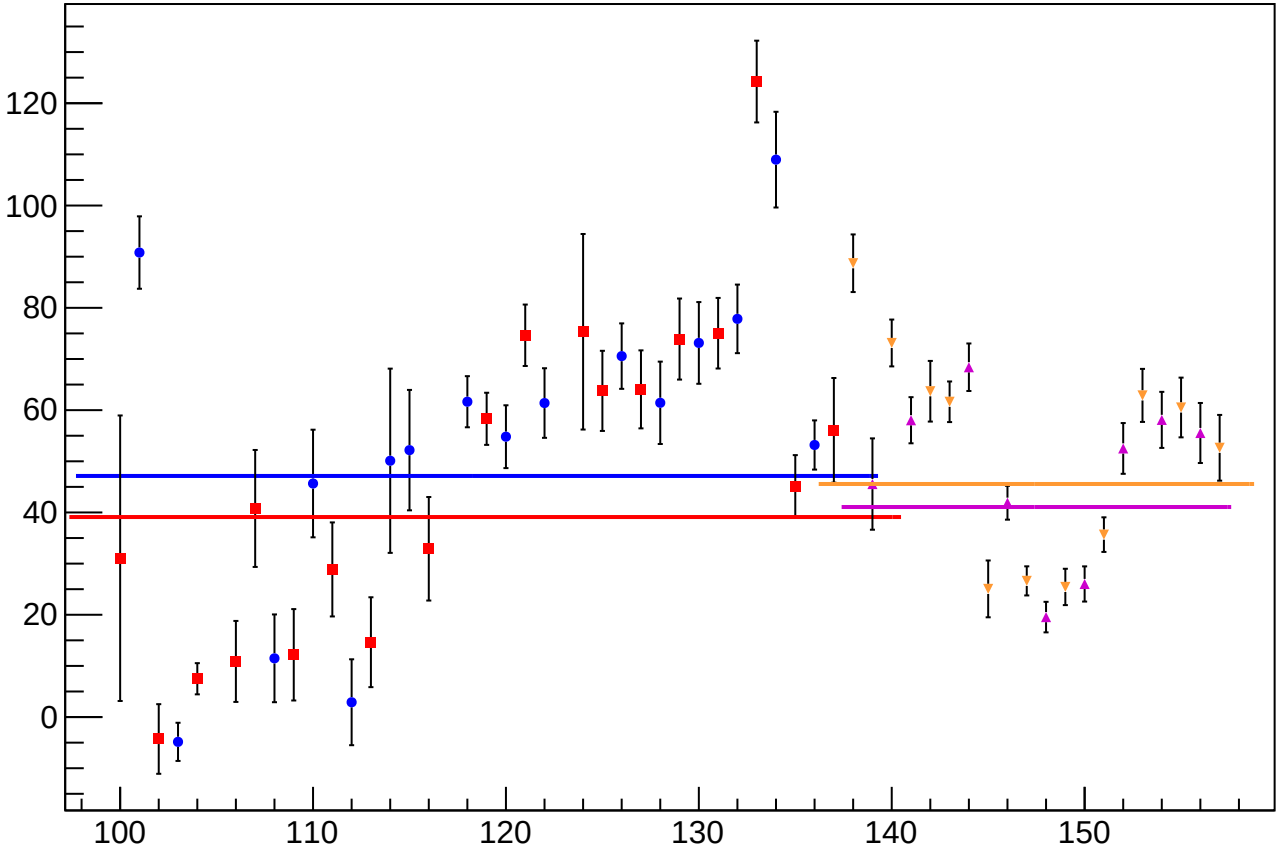
Left In: 332.015+/-1.723 χ^2/NDF:170.9/8

+ sign 278.204+/-1.063 χ^2/NDF: 16813.6/26

All: 276.603+/-0.761 χ^2/NDF: 34476.0/54

- sign 274.921+/-1.090 χ^2/NDF: 17657.7/27

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 45.565+/-1.308 χ^2/NDF:238.2/10

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

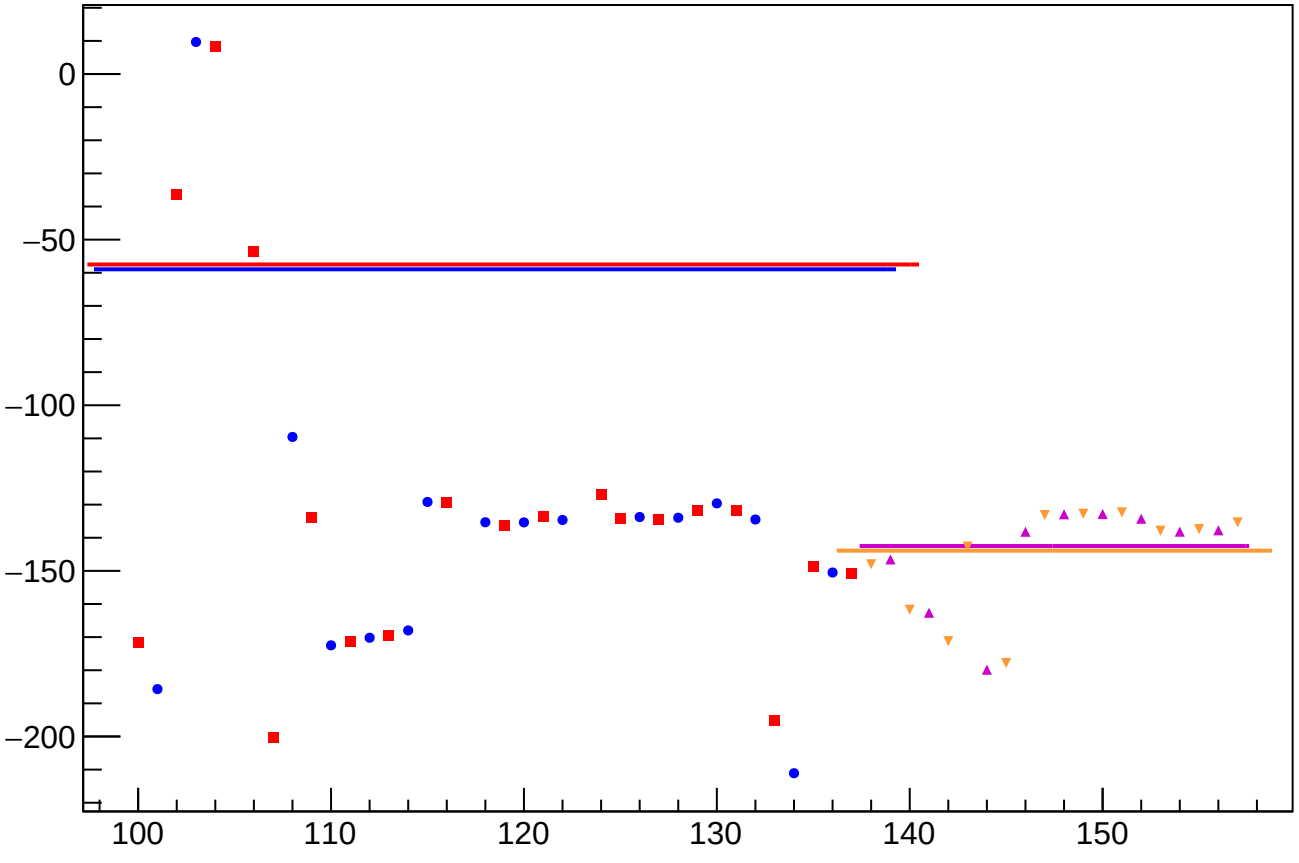
Left In: 41.065+/-1.416 χ^2/NDF:141.3/8

+ sign 46.164+/-1.029 χ^2/NDF: 624.1/26

All: 43.268+/-0.738 χ^2/NDF: 1199.0/54

- sign 40.202+/-1.059 χ^2/NDF: 558.6/27

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -143.889+/-0.064 χ^2/NDF:49634.5/10

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

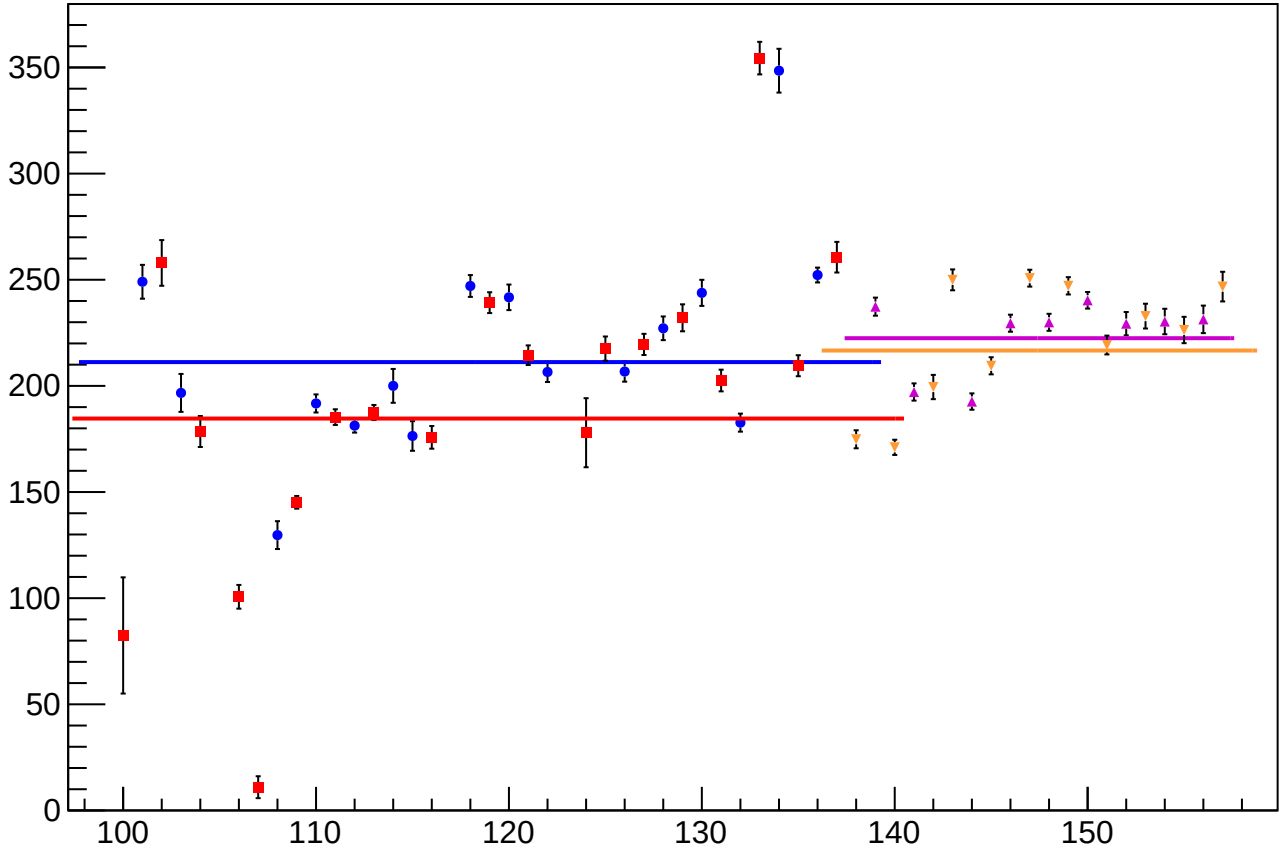
Left In: -142.494+/-0.067 χ^2/NDF:40849.5/8

+ sign -106.610+/-0.048 χ^2/NDF: 2044476.1/26

All: -105.477+/-0.035 χ^2/NDF: 3678574.8/54

- sign -104.263+/-0.050 χ^2/NDF: 1632949.2/27

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.658+/-1.391 χ^2/NDF:475.4/10

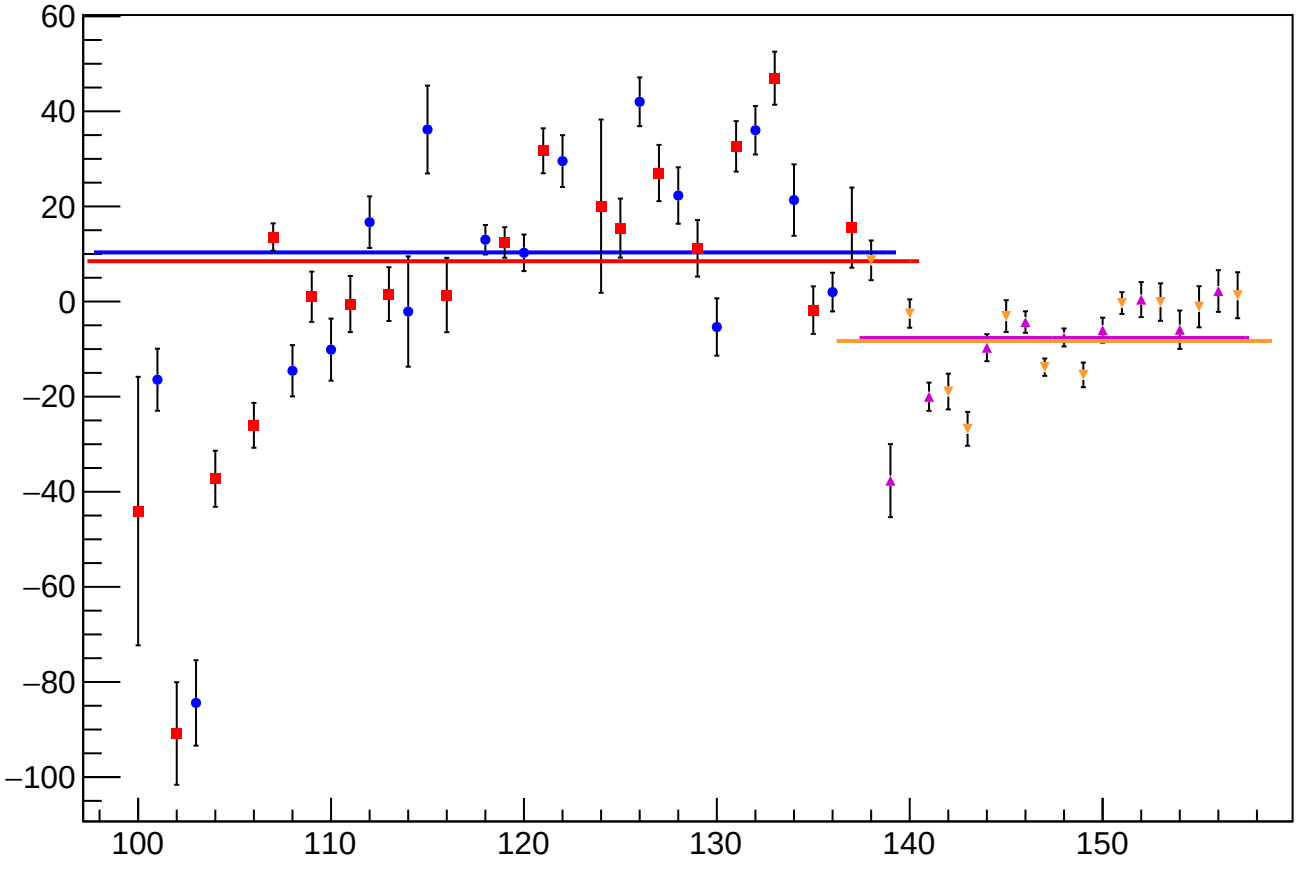
Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 222.466+/-1.478 χ^2/NDF:143.8/8

+ sign 213.741+/-0.948 χ^2/NDF: 1266.6/26

All: 206.503+/-0.663 χ^2/NDF: 4461.8/54

- sign 199.557+/-0.929 χ^2/NDF: 3081.0/27



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -8.289+/-0.910 χ^2/NDF:97.5/10

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

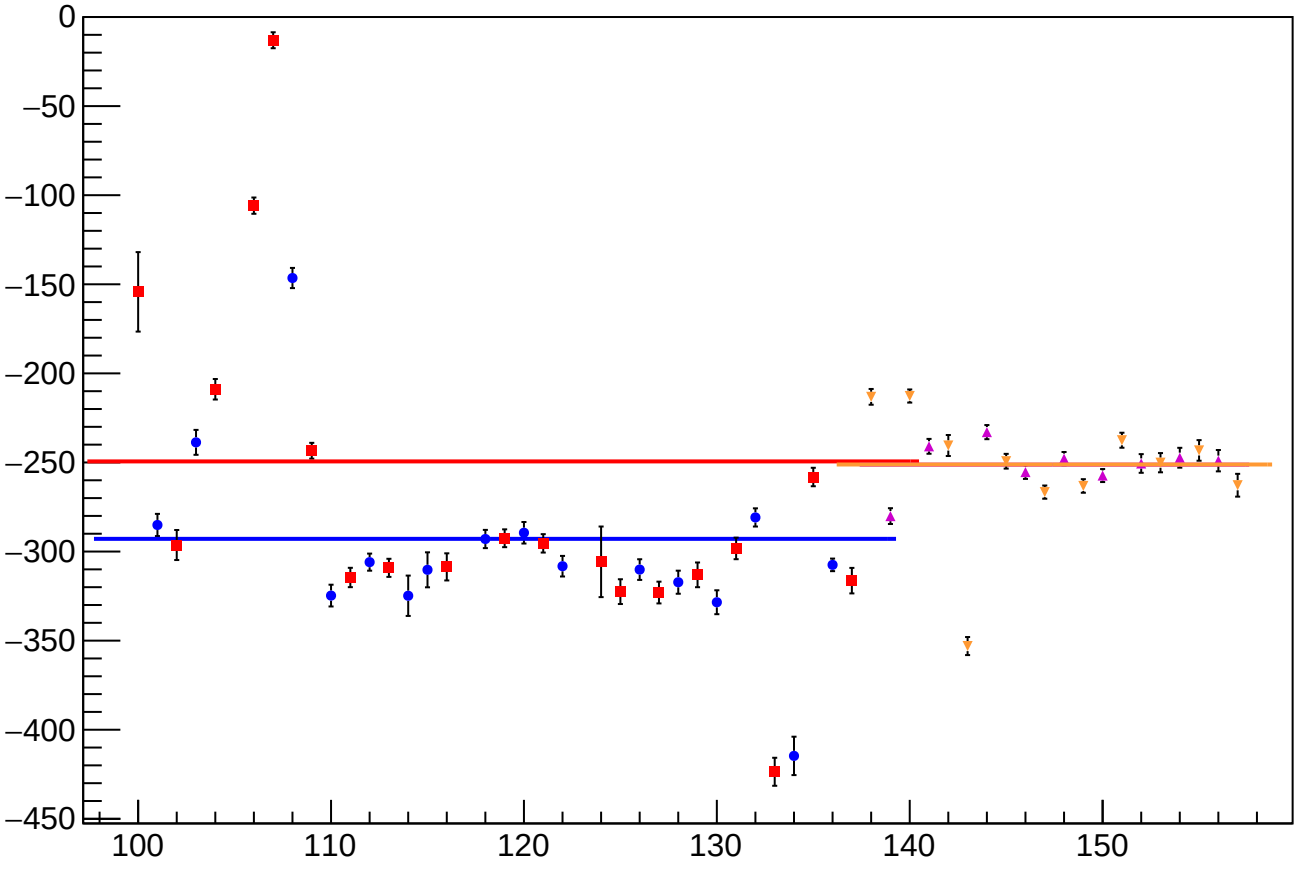
Left In: -7.679+/-0.969 χ^2/NDF:45.7/8

+ sign -2.372+/-0.751 χ^2/NDF: 493.9/26

All: -1.919+/-0.534 χ^2/NDF: 969.7/54

- sign -1.454+/-0.760 χ^2/NDF: 475.1/27

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.142+/-1.364 χ^2/NDF:634.0/10

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

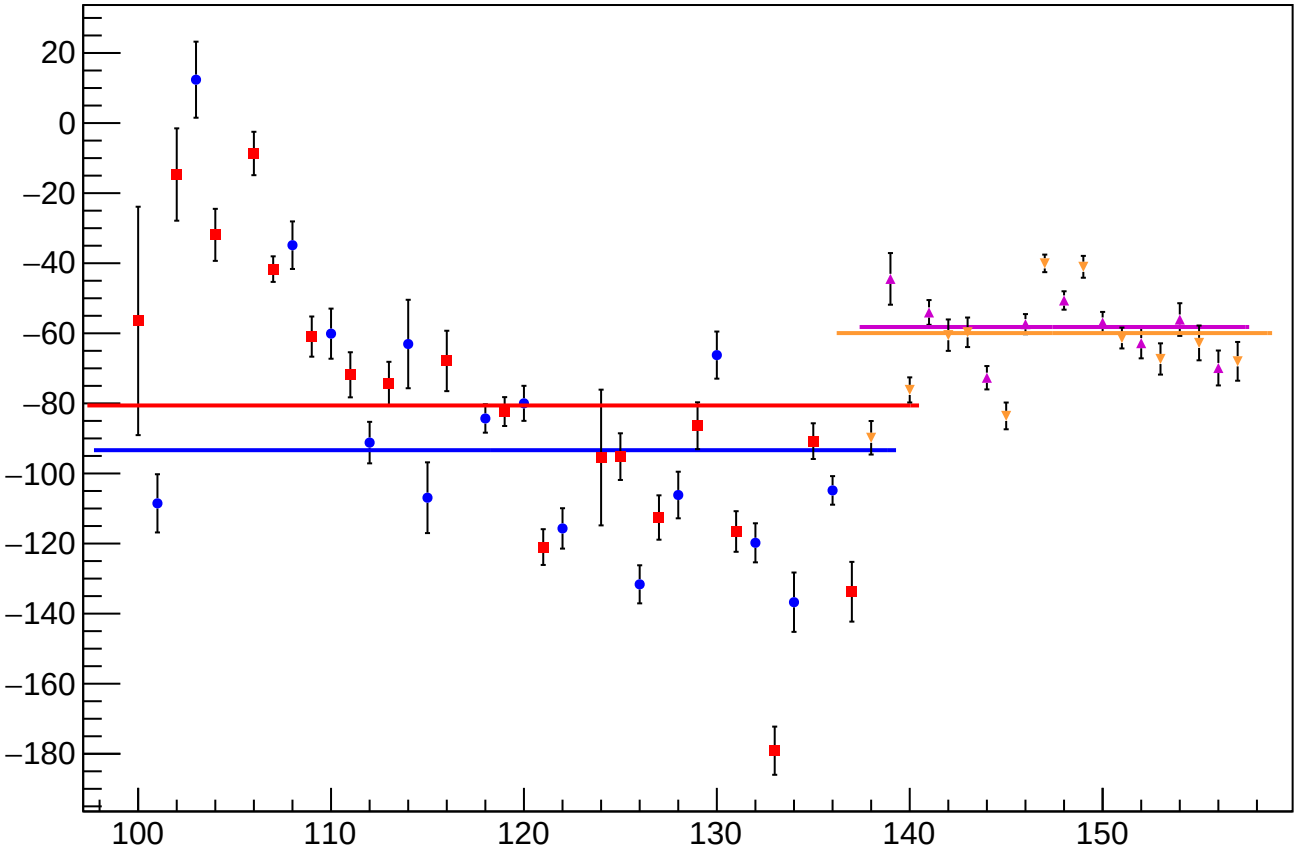
Left In: -251.237+/-1.440 χ^2/NDF:75.1/8

+ sign -270.482+/-0.999 χ^2/NDF: 2051.3/26

All: -260.307+/-0.704 χ^2/NDF: 7701.6/54

- sign -250.276+/-0.992 χ^2/NDF: 5444.4/27

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.937+/-1.122 χ^2/NDF:203.0/10

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

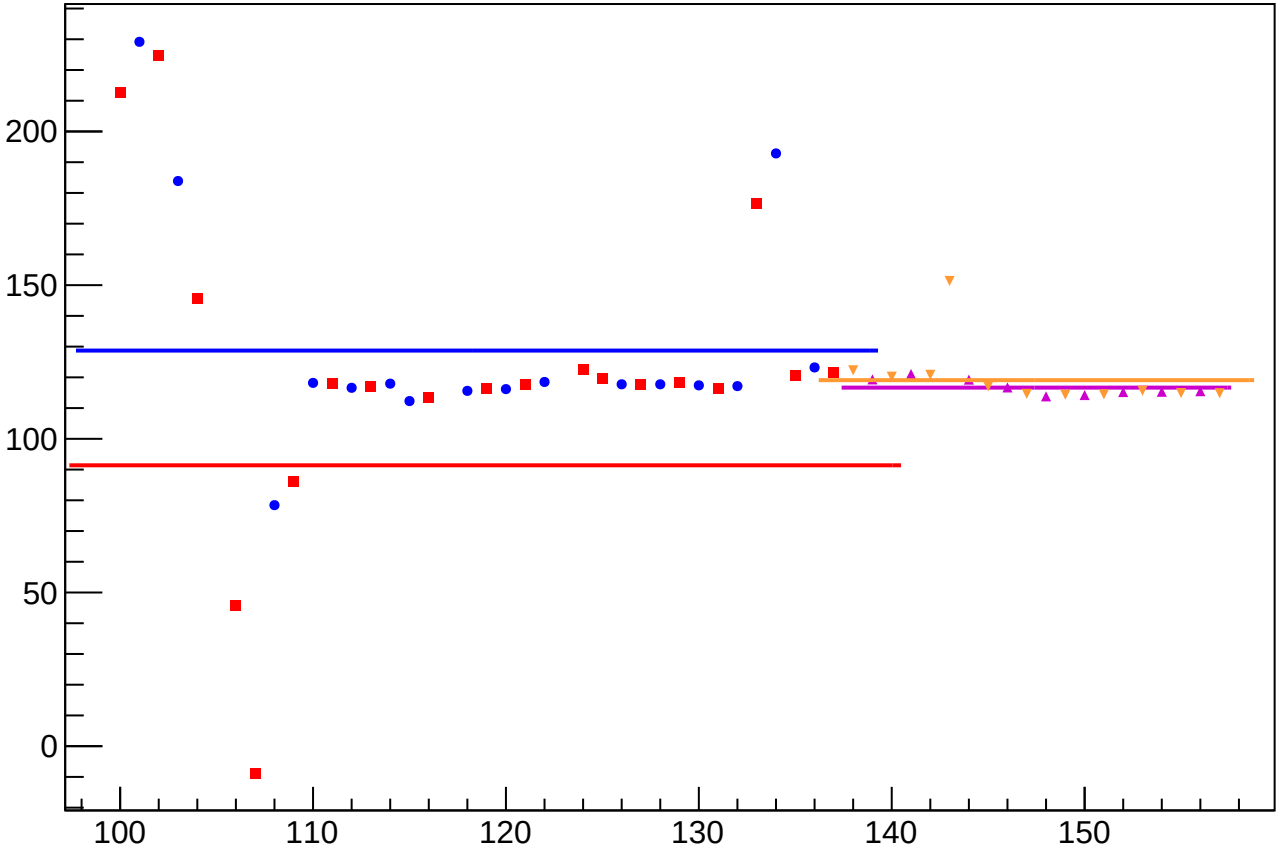
Left In: -58.198+/-1.192 χ^2/NDF:39.1/8

+ sign -71.580+/-0.906 χ^2/NDF: 867.5/26

All: -69.524+/-0.643 χ^2/NDF: 1777.7/54

- sign -67.429+/-0.914 χ^2/NDF: 899.8/27

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.084+/-0.055 χ^2/NDF:27565.9/10

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

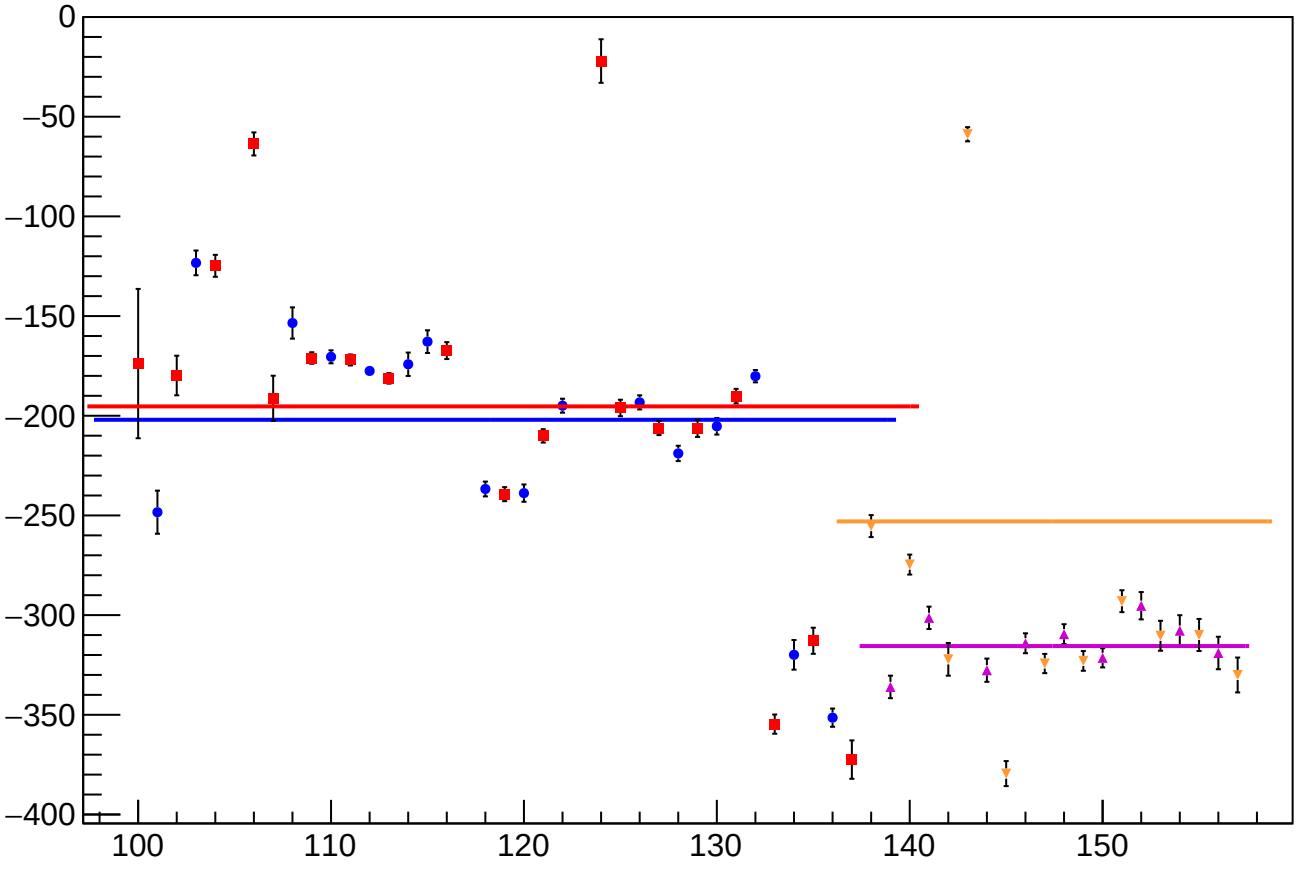
Left In: 116.661+/-0.056 χ^2/NDF:1936.6/8

+ sign 121.714+/-0.047 χ^2/NDF: 219574.9/26

All: 114.829+/-0.033 χ^2/NDF: 937265.0/54

- sign 108.149+/-0.046 χ^2/NDF: 674640.9/27

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -252.997+/-1.677 χ^2/NDF:4132.2/10

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

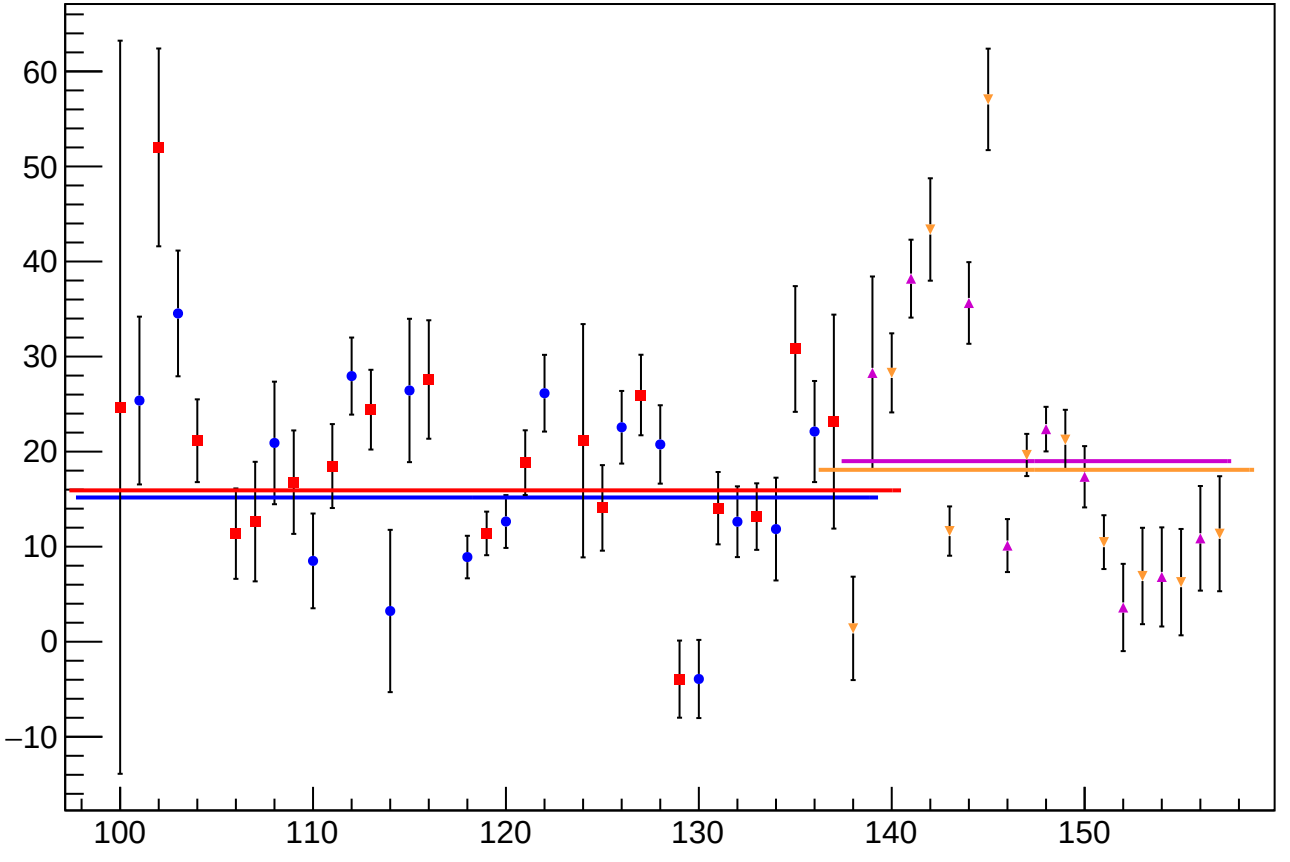
Left In: -315.514+/-1.928 χ^2/NDF:36.8/8

+ sign -215.860+/-0.874 χ^2/NDF: 6845.3/26

All: -217.822+/-0.616 χ^2/NDF: 13090.6/54

- sign -219.764+/-0.869 χ^2/NDF: 6235.2/27

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.085+/-1.093 χ^2/NDF:116.2/10

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

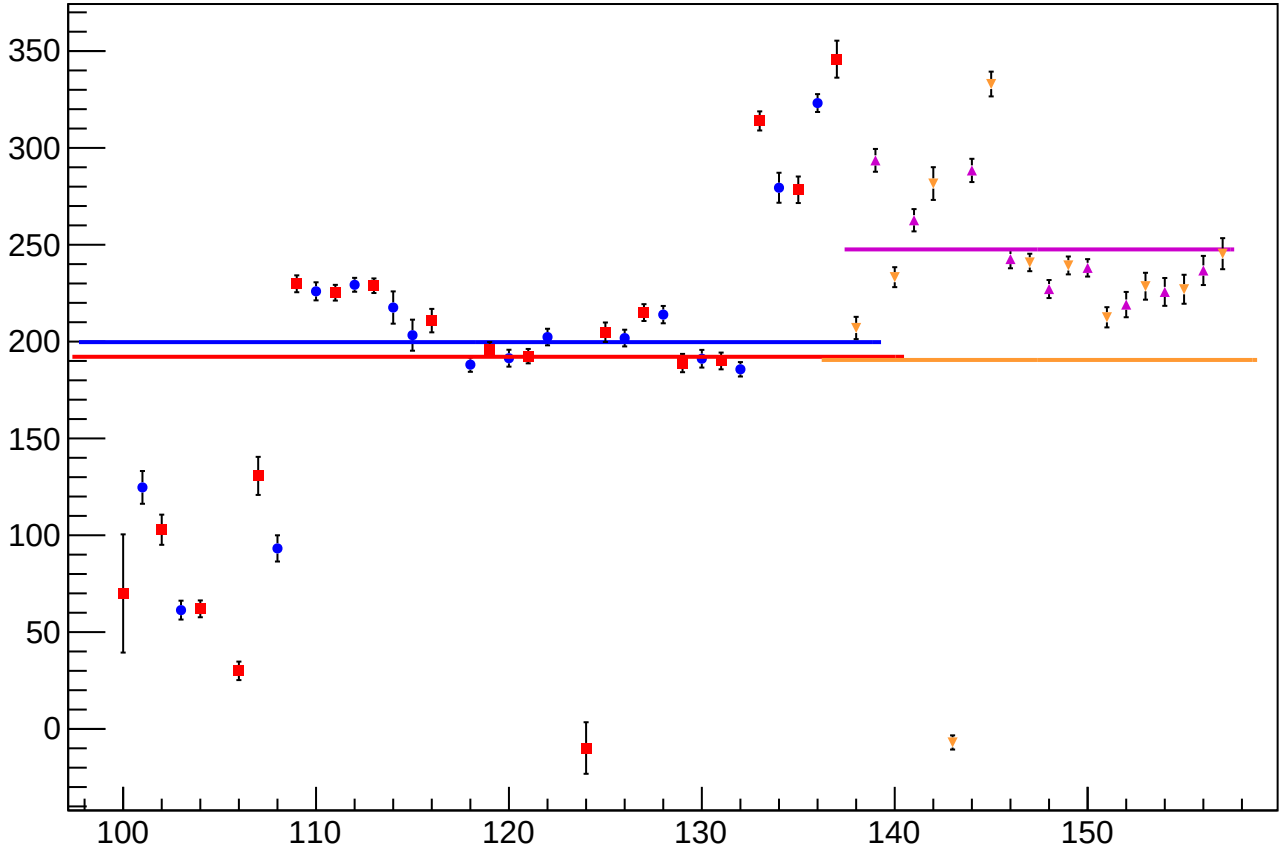
Left In: 18.998+/-1.243 χ^2/NDF:69.2/8

+ sign 16.569+/-0.756 χ^2/NDF: 192.2/26

All: 16.862+/-0.548 χ^2/NDF: 328.9/54

- sign 17.186+/-0.796 χ^2/NDF: 136.3/27

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 190.522+/-1.648 χ^2/NDF:3956.2/10

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

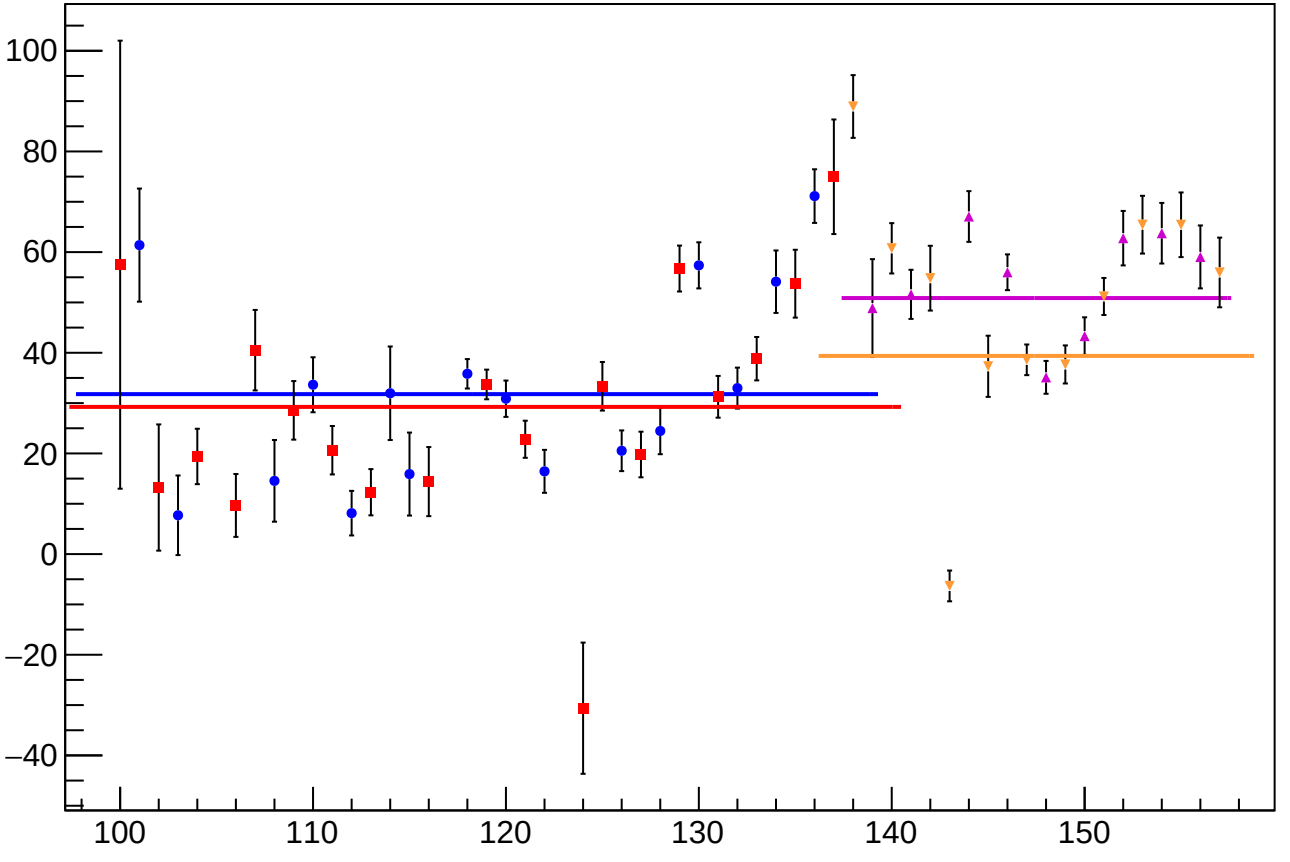
Left In: 247.587+/-1.868 χ^2/NDF:169.2/8

+ sign 196.549+/-0.968 χ^2/NDF: 6078.2/26

All: 201.908+/-0.688 χ^2/NDF: 10725.0/54

- sign 207.399+/-0.980 χ^2/NDF: 4584.7/27

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 39.378+/-1.347 χ^2/NDF:364.0/10

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

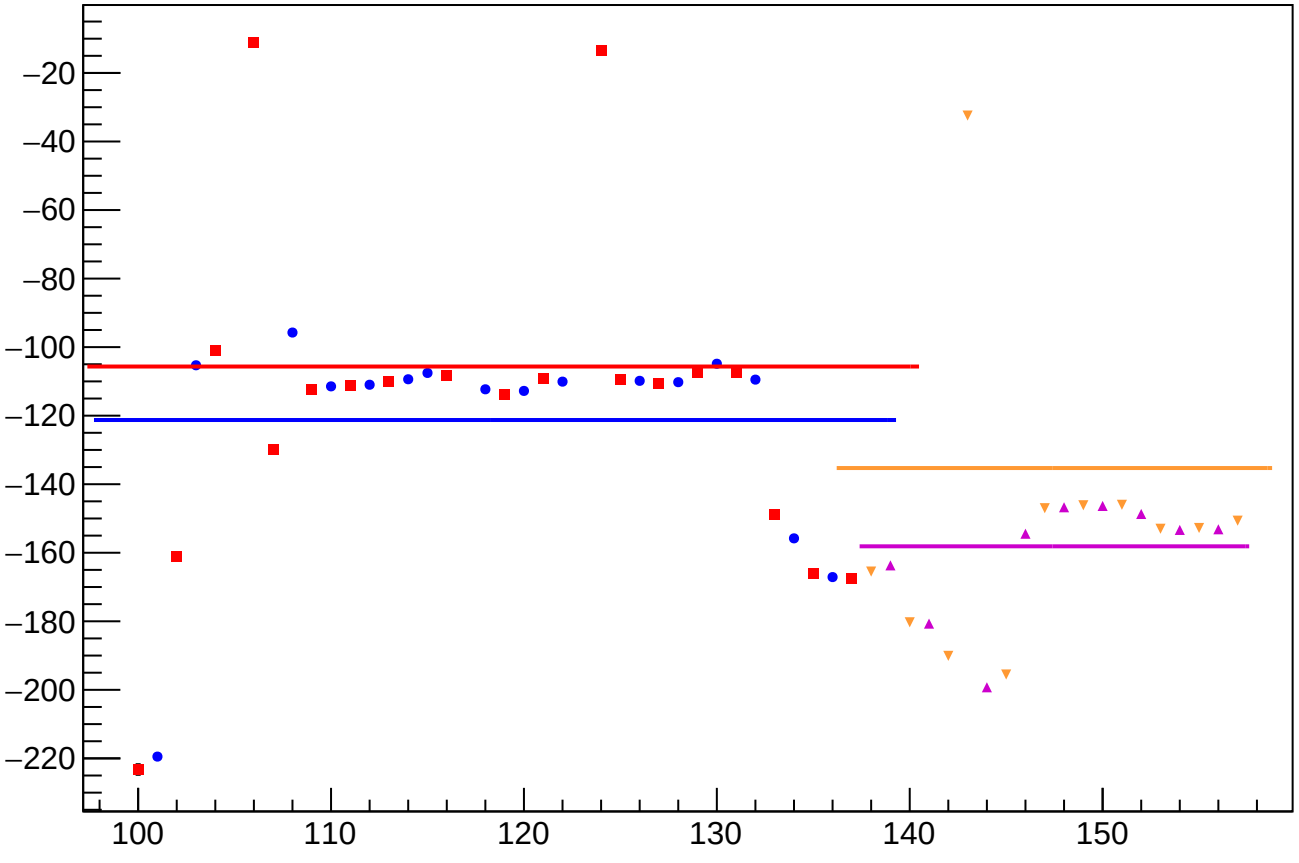
Left In: 50.873+/-1.535 χ^2/NDF:51.0/8

+ sign 35.194+/-0.903 χ^2/NDF: 558.6/26

All: 36.257+/-0.652 χ^2/NDF: 876.8/54

- sign 37.419+/-0.944 χ^2/NDF: 315.4/27

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -135.282+/-0.066 χ^2/NDF:618096.0/10

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

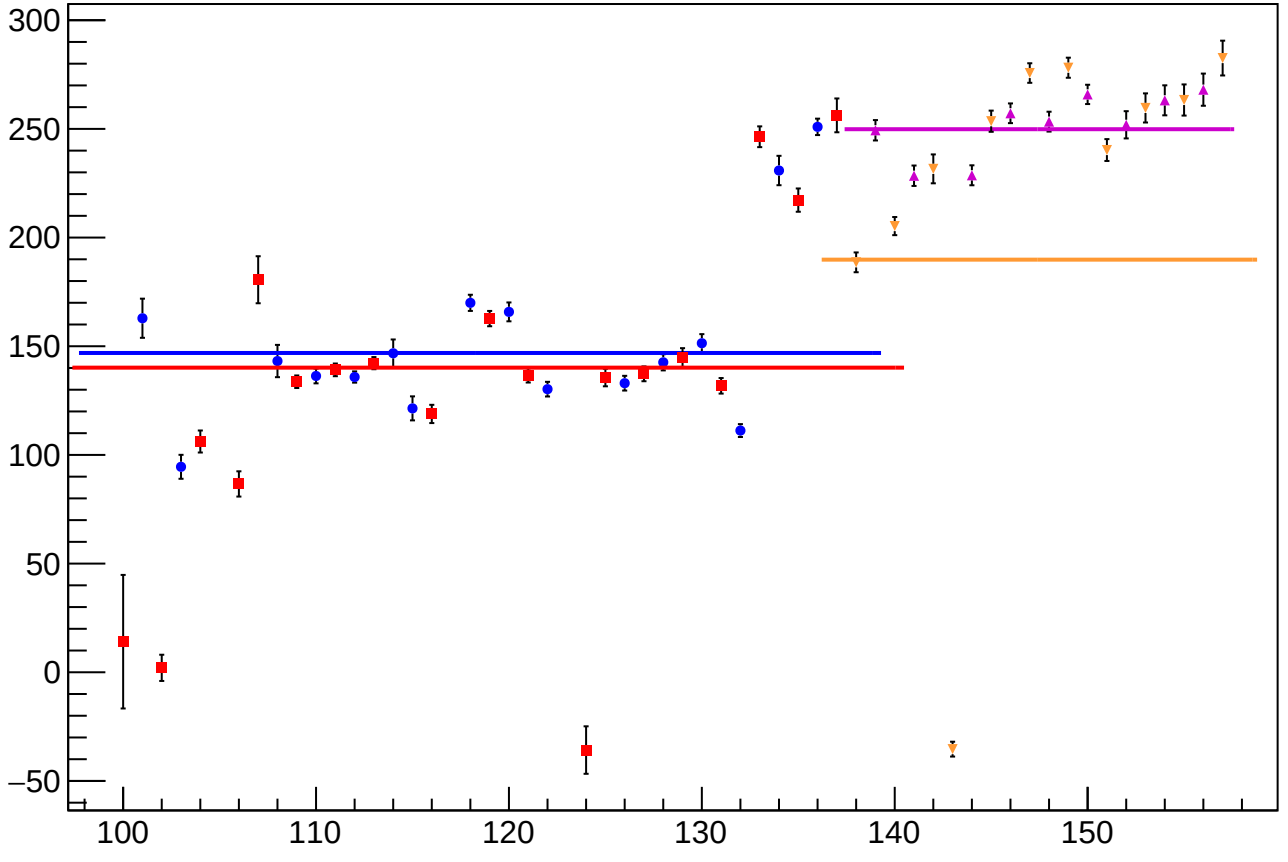
Left In: -158.122+/-0.073 χ^2/NDF:43762.4/8

+ sign -129.511+/-0.051 χ^2/NDF: 755898.6/26

All: -130.998+/-0.036 χ^2/NDF: 1409411.9/54

- sign -132.562+/-0.052 χ^2/NDF: 651757.2/27

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 189.840+/-1.492 χ^2/NDF:5741.7/10

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

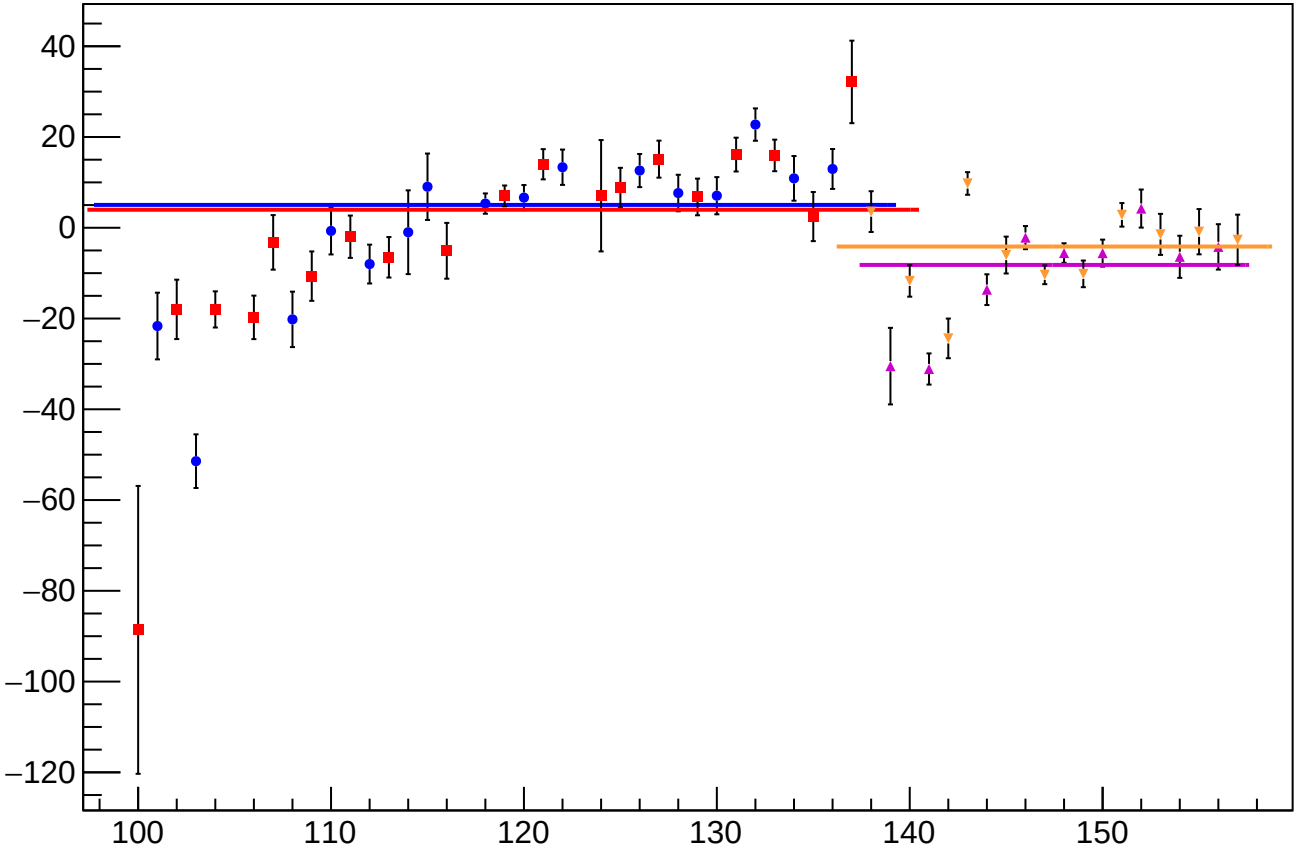
Left In: 249.854+/-1.690 χ^2/NDF:68.2/8

+ sign 160.275+/-0.833 χ^2/NDF: 7613.9/26

All: 163.593+/-0.589 χ^2/NDF: 12851.5/54

- sign 166.929+/-0.835 χ^2/NDF: 5205.7/27

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.136+/-0.987 χ^2/NDF:81.8/10

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

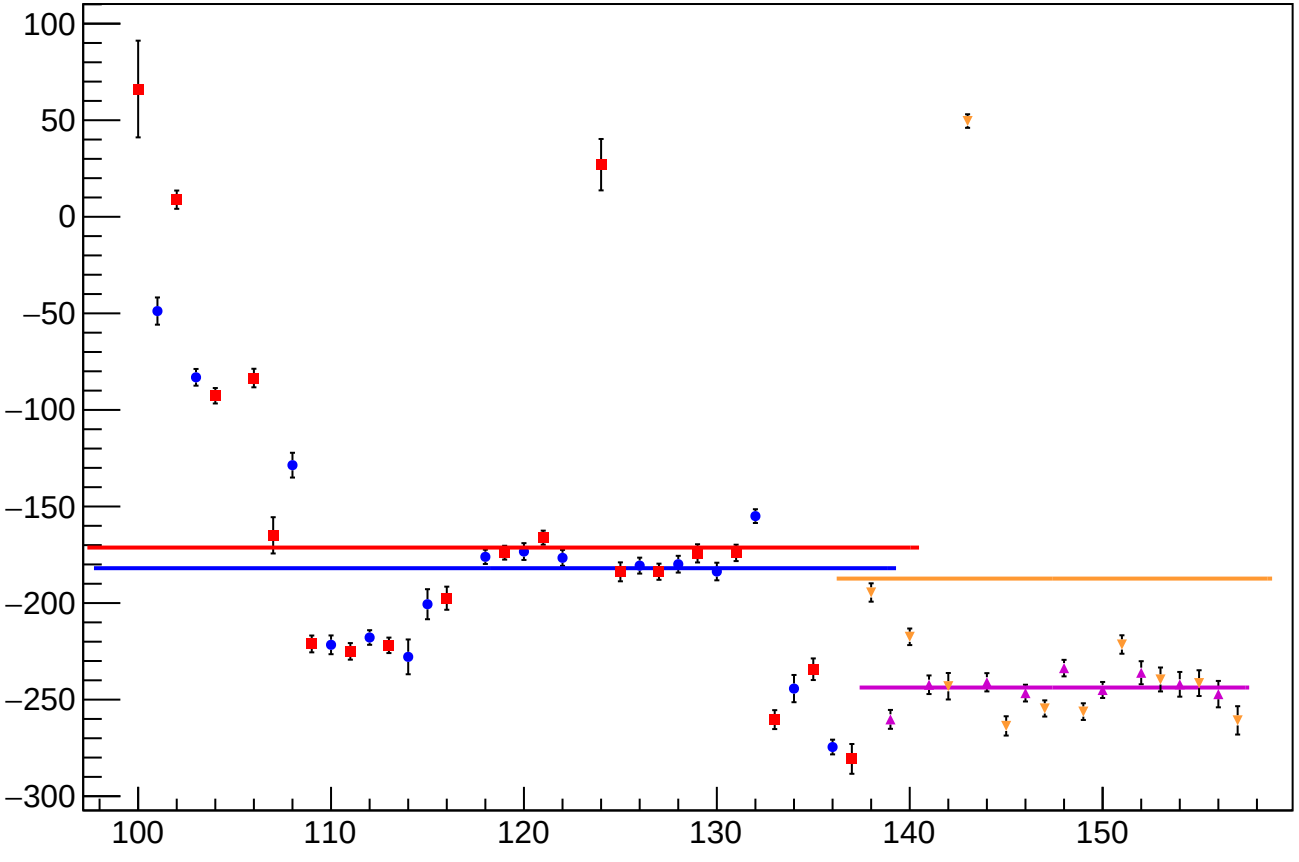
Left In: -8.187+/-1.110 χ^2/NDF:71.6/8

+ sign 0.296+/-0.710 χ^2/NDF: 295.4/26

All: -0.578+/-0.515 χ^2/NDF: 580.6/54

- sign -1.548+/-0.748 χ^2/NDF: 282.0/27

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -187.328+/-1.471 χ^2/NDF:5689.1/10

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

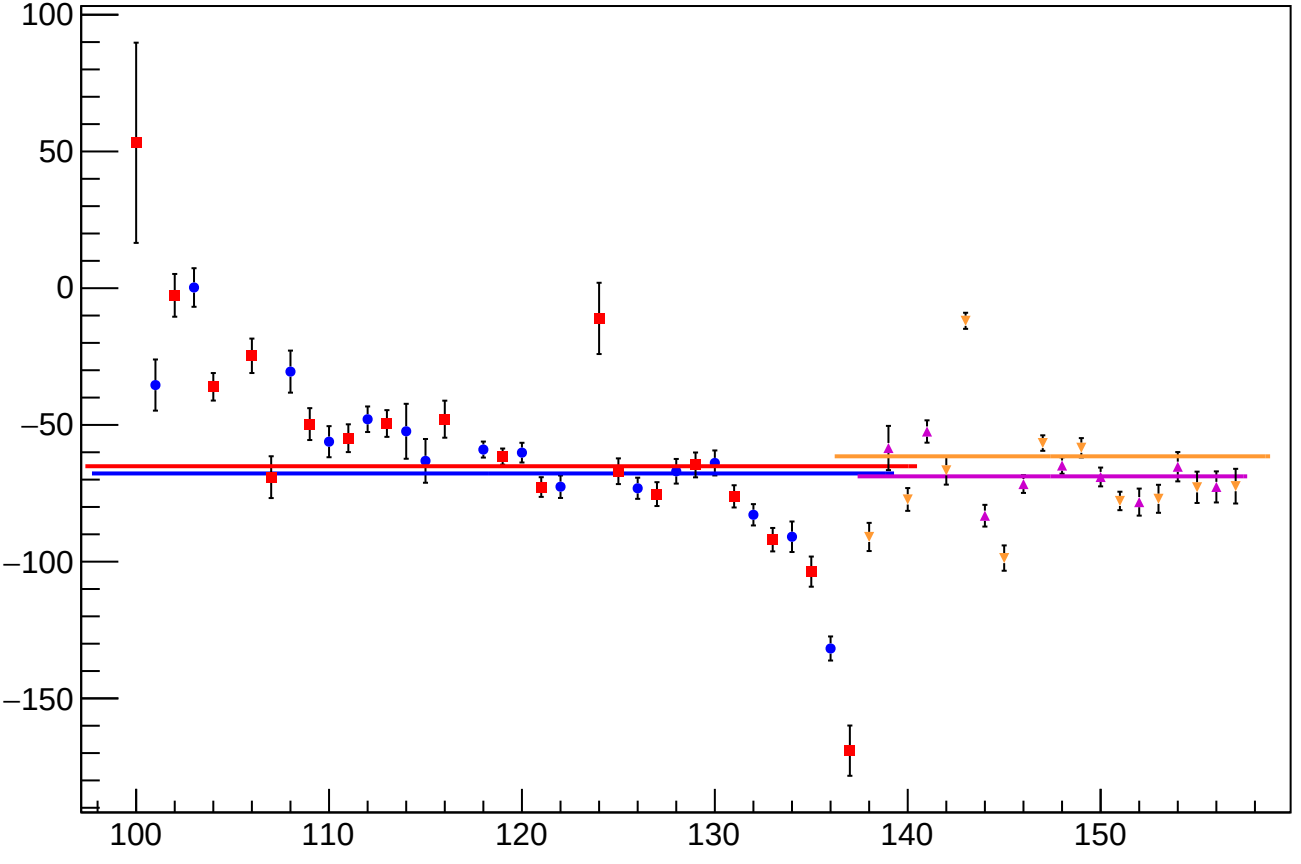
Left In: -243.736+/-1.645 χ^2/NDF:19.8/8

+ sign -183.997+/-0.908 χ^2/NDF: 7567.8/26

All: -188.911+/-0.646 χ^2/NDF: 12608.1/54

- sign -193.965+/-0.921 χ^2/NDF: 4980.8/27

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -61.478+/-1.212 χ^2/NDF:440.0/10

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

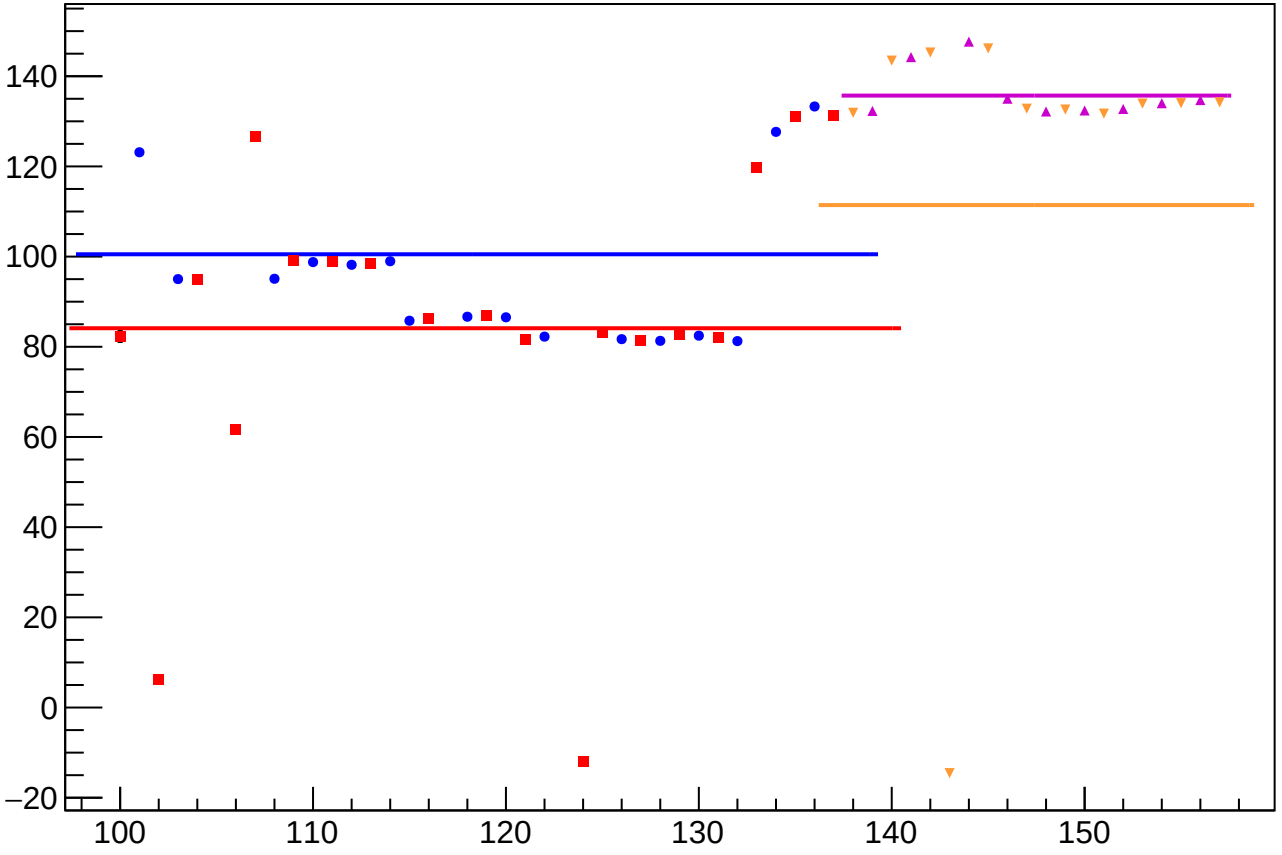
Left In: -68.805+/-1.365 χ^2/NDF:37.9/8

\+ sign -64.694+/-0.846 χ^2/NDF: 867.8/26

All: -65.634+/-0.612 χ^2/NDF: 1341.5/54

\- sign -66.666+/-0.887 χ^2/NDF: 471.2/27

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 111.425+/-0.059 χ^2/NDF:898048.1/10

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

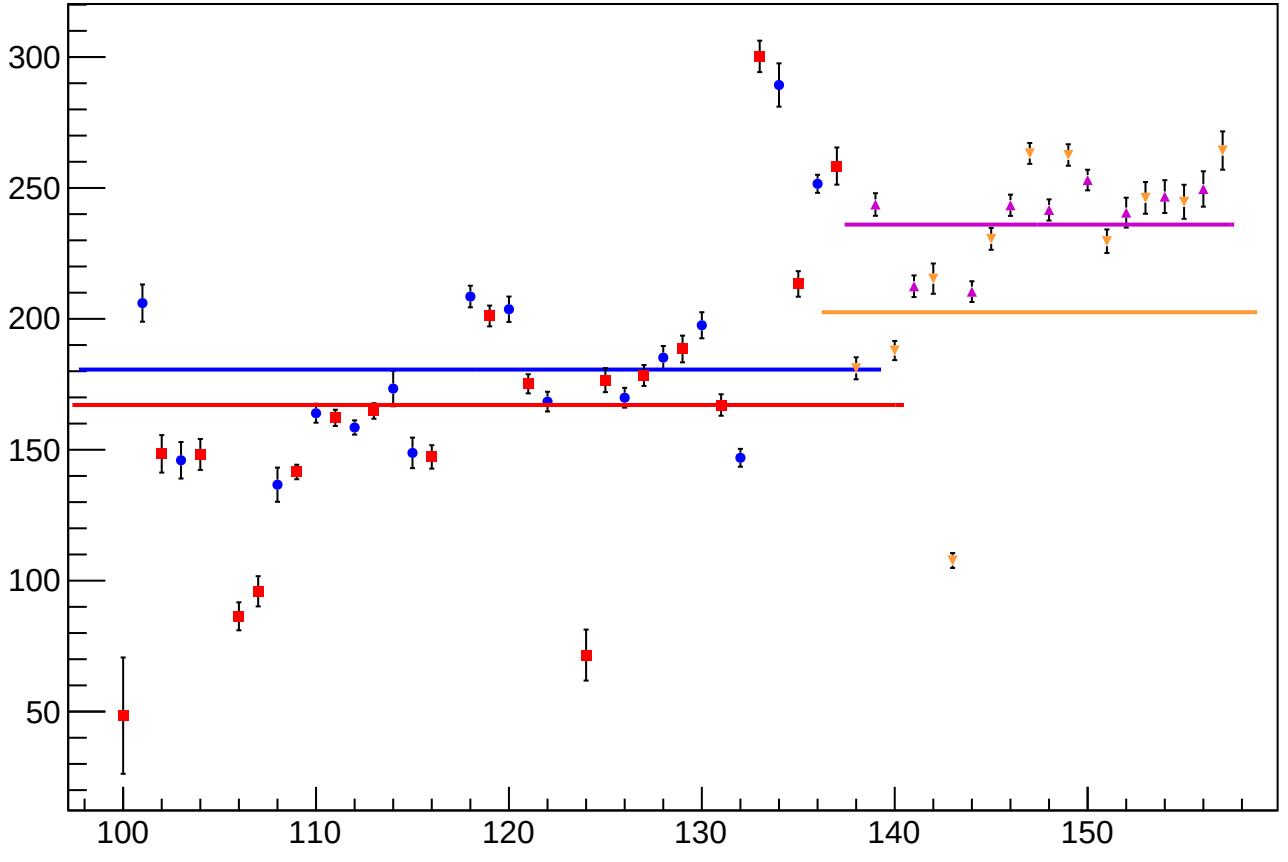
Left In: 135.704+/-0.064 χ^2/NDF:6542.4/8

+ sign 107.172+/-0.046 χ^2/NDF: 978783.5/26

All: 109.454+/-0.033 χ^2/NDF: 1552553.5/54

- sign 111.826+/-0.047 χ^2/NDF: 568791.2/27

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

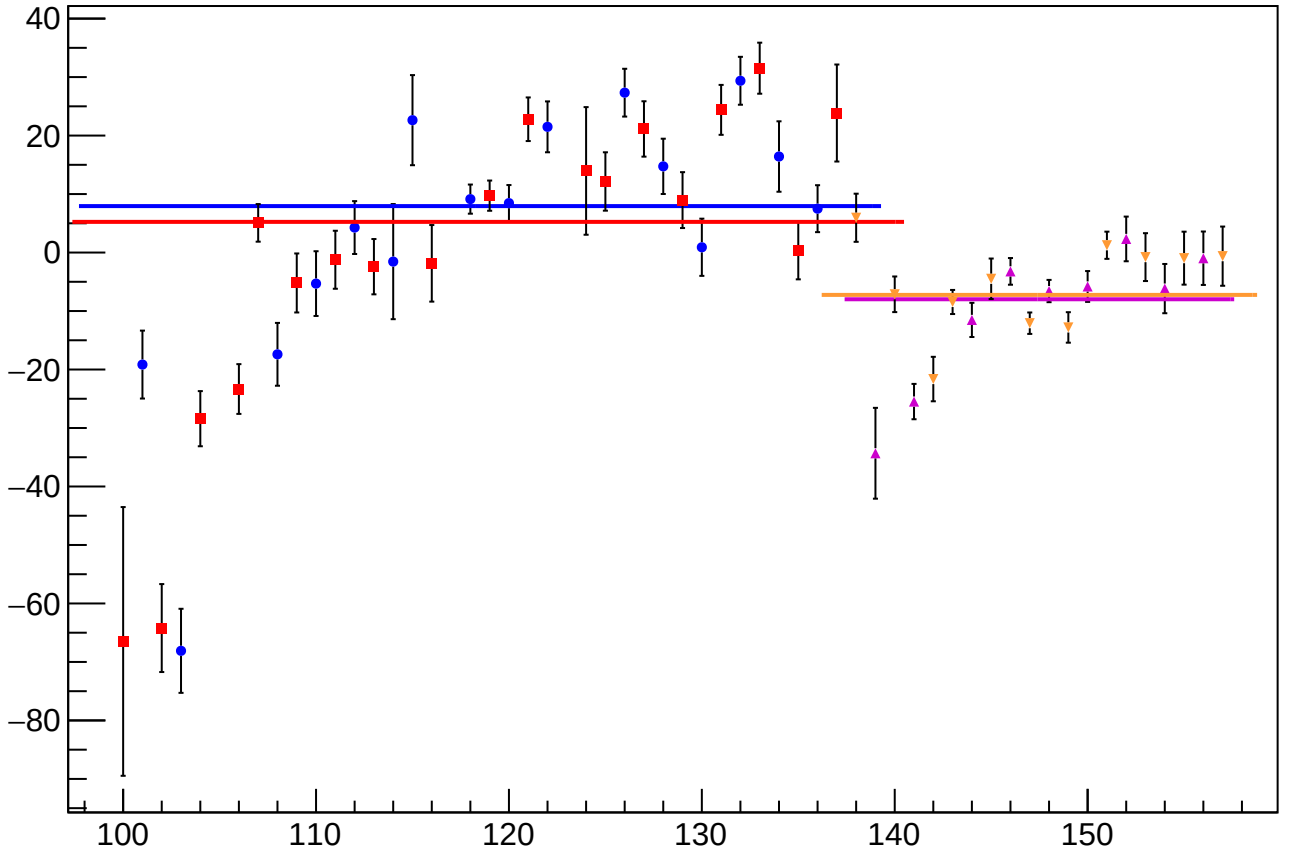
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 236.014+/-1.507 χ^2/NDF:108.9/8

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 189.190+/-0.595 χ^2/NDF: 6038.3/54

- sign 188.782+/-0.845 χ^2/NDF: 3027.2/27



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

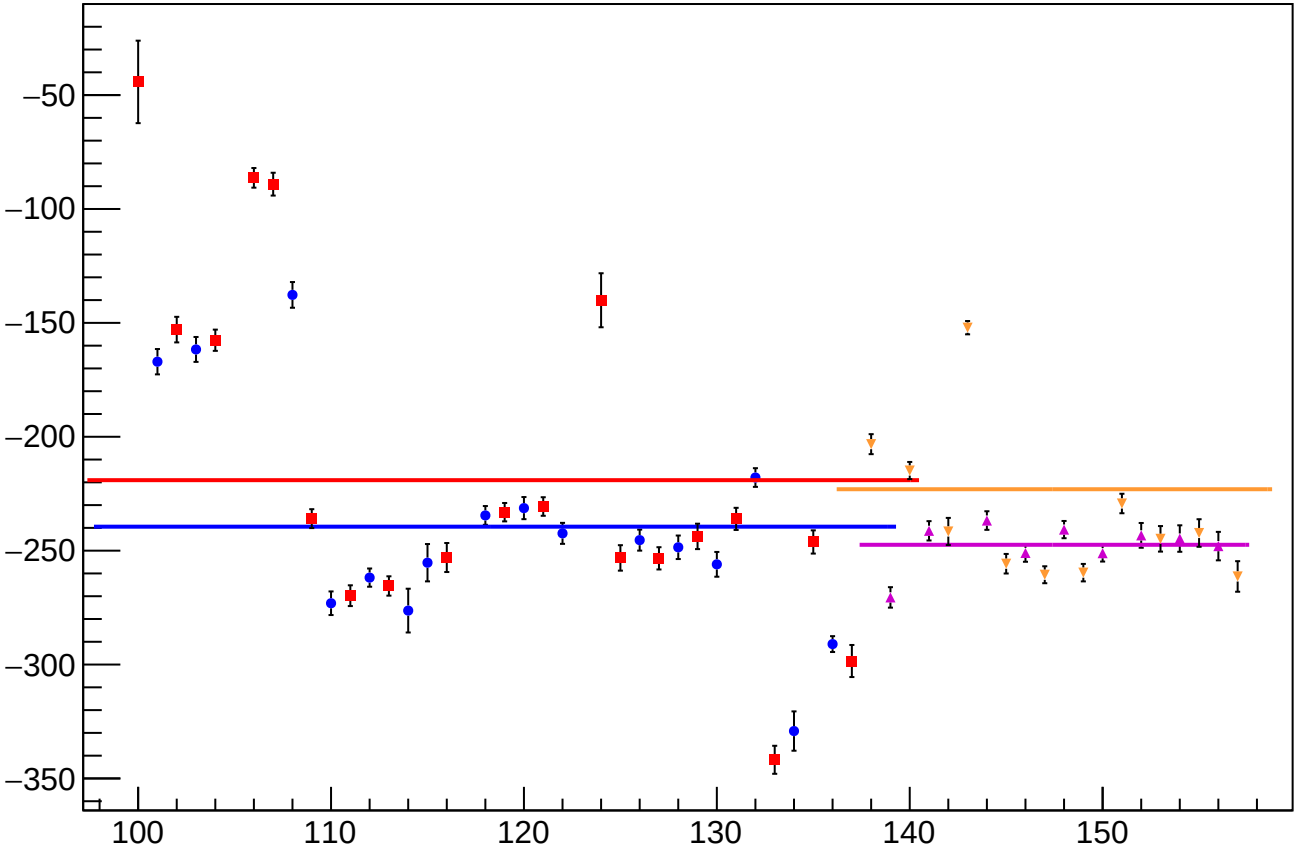
Left In: -7.989+/-0.986 χ^2/NDF:61.9/8

+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.678+/-0.497 χ^2/NDF: 853.7/54

- sign -1.861+/-0.723 χ^2/NDF: 448.2/27

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

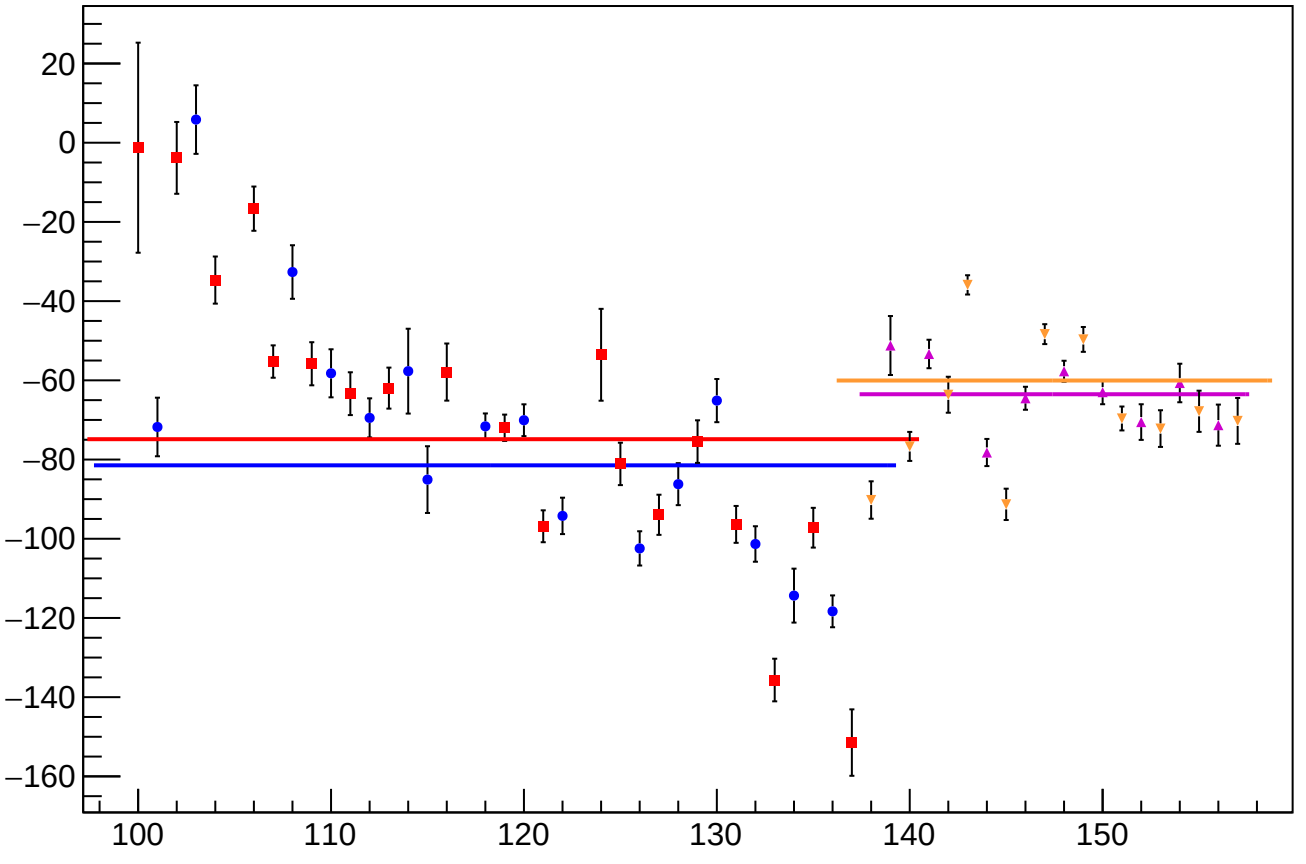
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.425+/-1.468 χ^2/NDF:41.1/8

+ sign -231.559+/-0.897 χ^2/NDF: 2180.7/26

All: -230.871+/-0.642 χ^2/NDF: 5499.9/54

- sign -230.151+/-0.918 χ^2/NDF: 3318.0/27



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

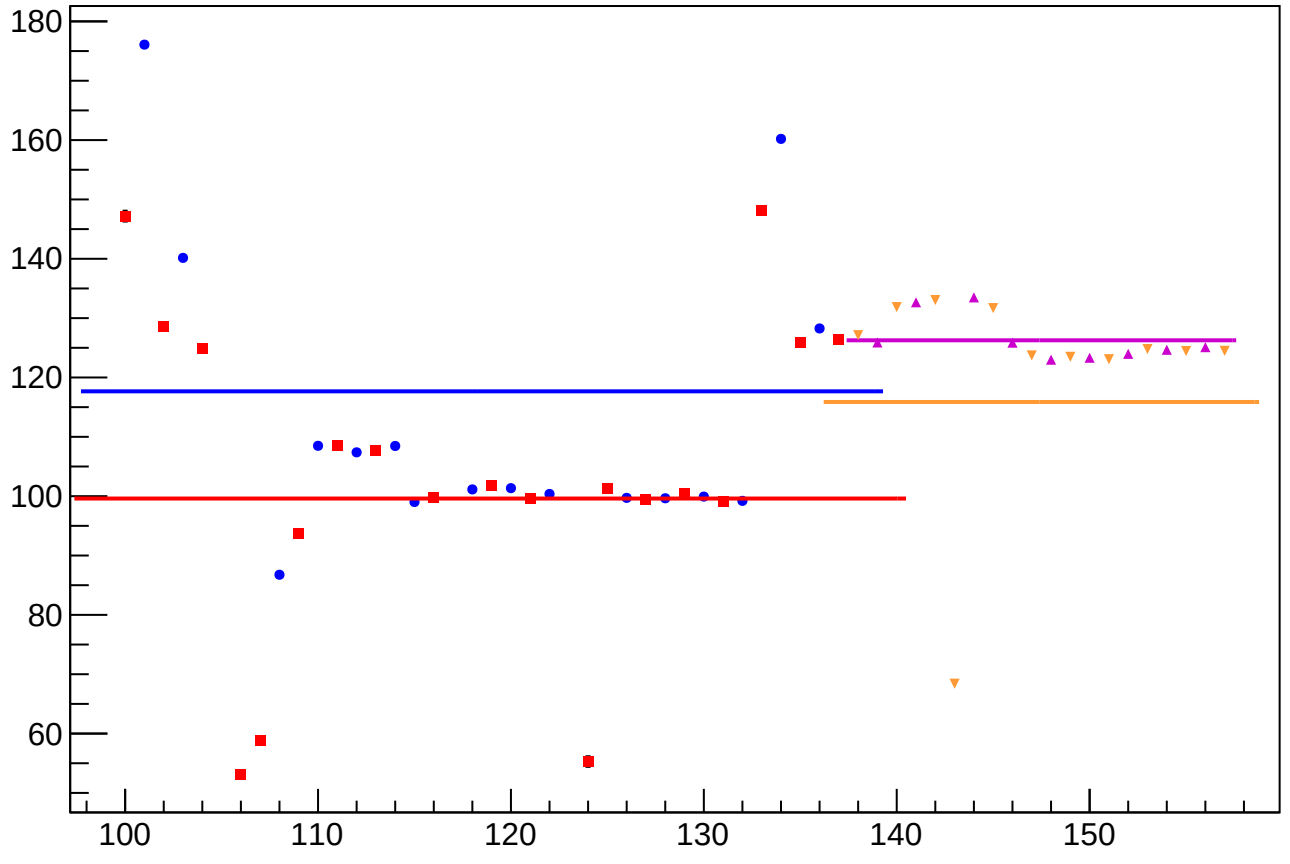
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.509+/-1.215 χ^2/NDF:39.1/8

+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -68.918+/-0.595 χ^2/NDF: 1467.6/54

- sign -69.113+/-0.864 χ^2/NDF: 658.9/27



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

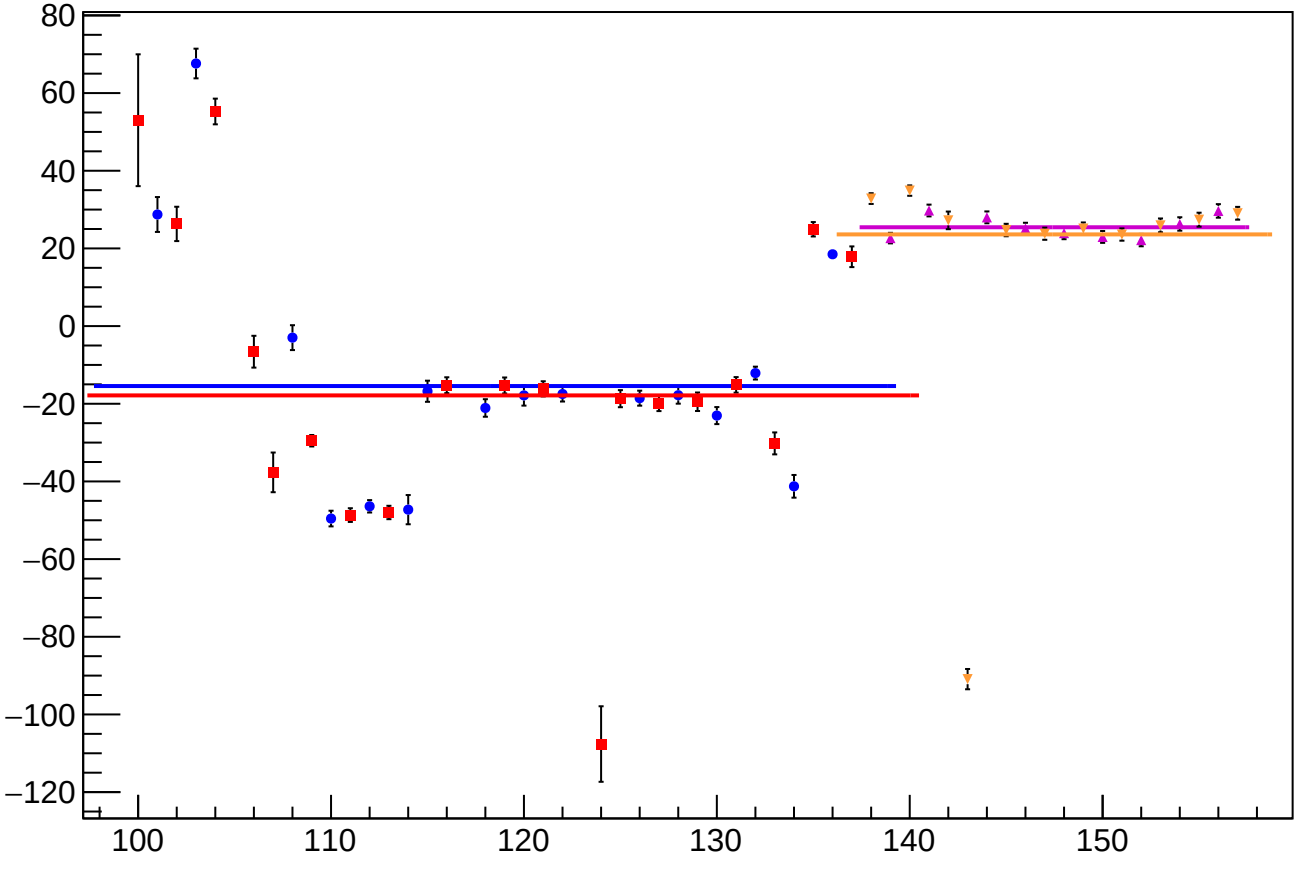
Left In: 126.265+/-0.058 χ^2/NDF:4019.1/8

+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.011+/-0.031 χ^2/NDF: 543067.8/54

- sign 115.577+/-0.045 χ^2/NDF: 256417.2/27

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.610+/-0.499 χ^2/NDF:2057.7/10

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

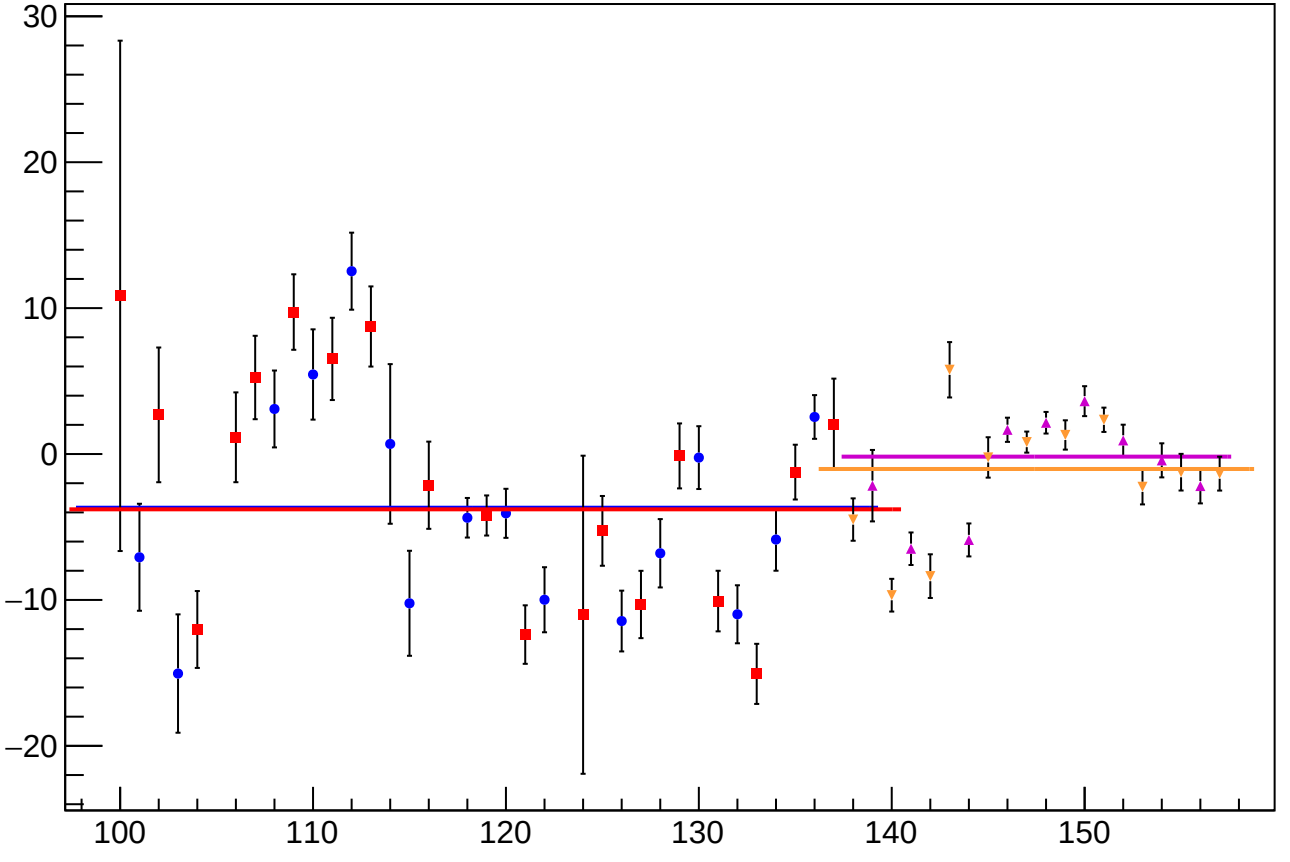
Left In: 25.448+/-0.516 χ^2/NDF:29.1/8

+ sign 5.575+/-0.366 χ^2/NDF: 7005.7/26

All: 4.980+/-0.260 χ^2/NDF: 12595.2/54

- sign 4.374+/-0.370 χ^2/NDF: 5584.2/27

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.025+/-0.335 χ^2/NDF:131.9/10

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

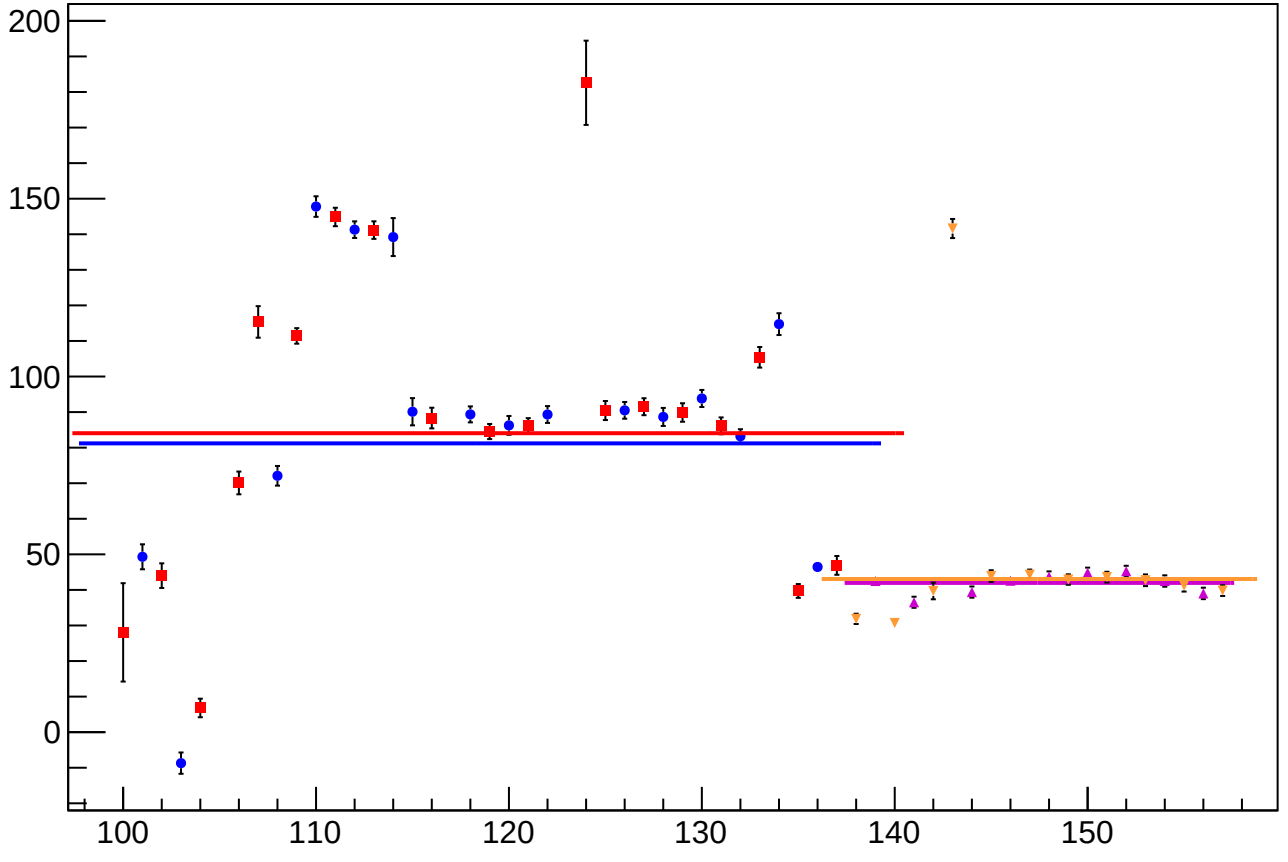
Left In: -0.179+/-0.347 χ^2/NDF:90.7/8

+ sign -1.738+/-0.286 χ^2/NDF: 272.8/26

All: -1.465+/-0.206 χ^2/NDF: 556.4/54

- sign -1.173+/-0.296 χ^2/NDF: 281.7/27

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

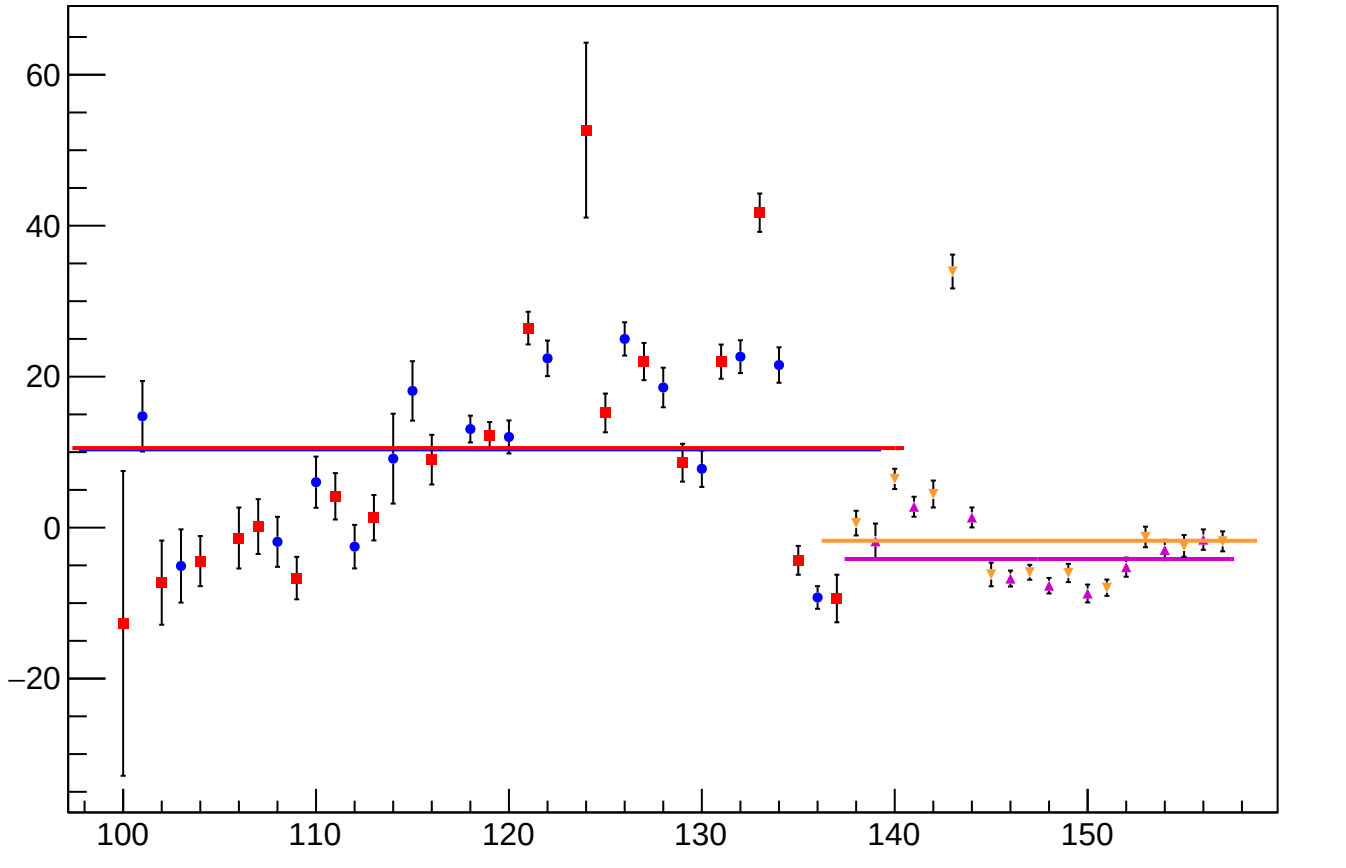
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.973+/-0.501 χ^2/NDF:28.9/8

+ sign 57.970+/-0.379 χ^2/NDF: 7129.4/26

All: 58.340+/-0.272 χ^2/NDF: 13174.7/54

- sign 58.729+/-0.389 χ^2/NDF: 6043.4/27



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

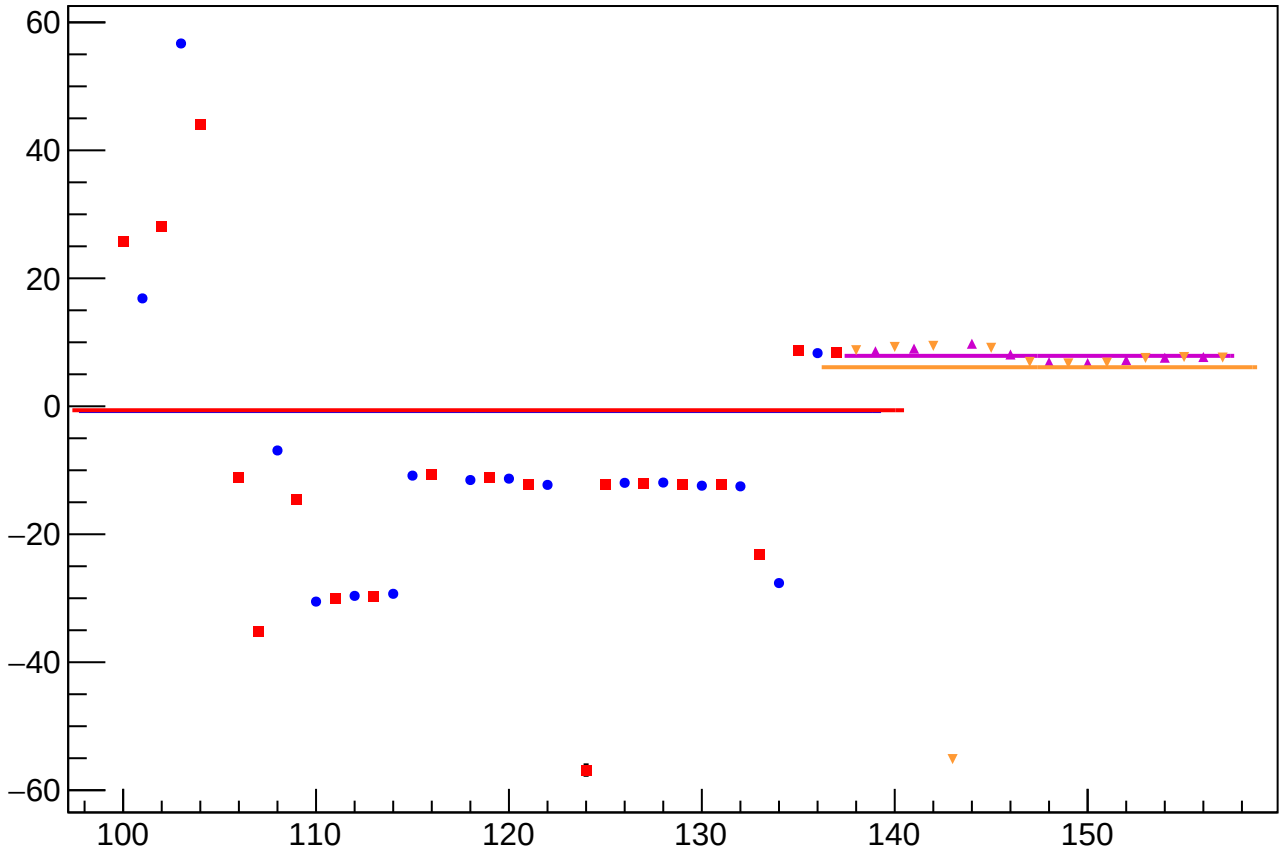
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.152+/-0.423 χ^2/NDF:83.6/8

\+ sign 1.870+/-0.342 χ^2/NDF: 998.4/26

All: 1.112+/-0.246 χ^2/NDF: 1929.6/54

\- sign 0.306+/-0.353 χ^2/NDF: 921.1/27



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.105+/-0.019 χ^2/NDF:311406.5/10

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

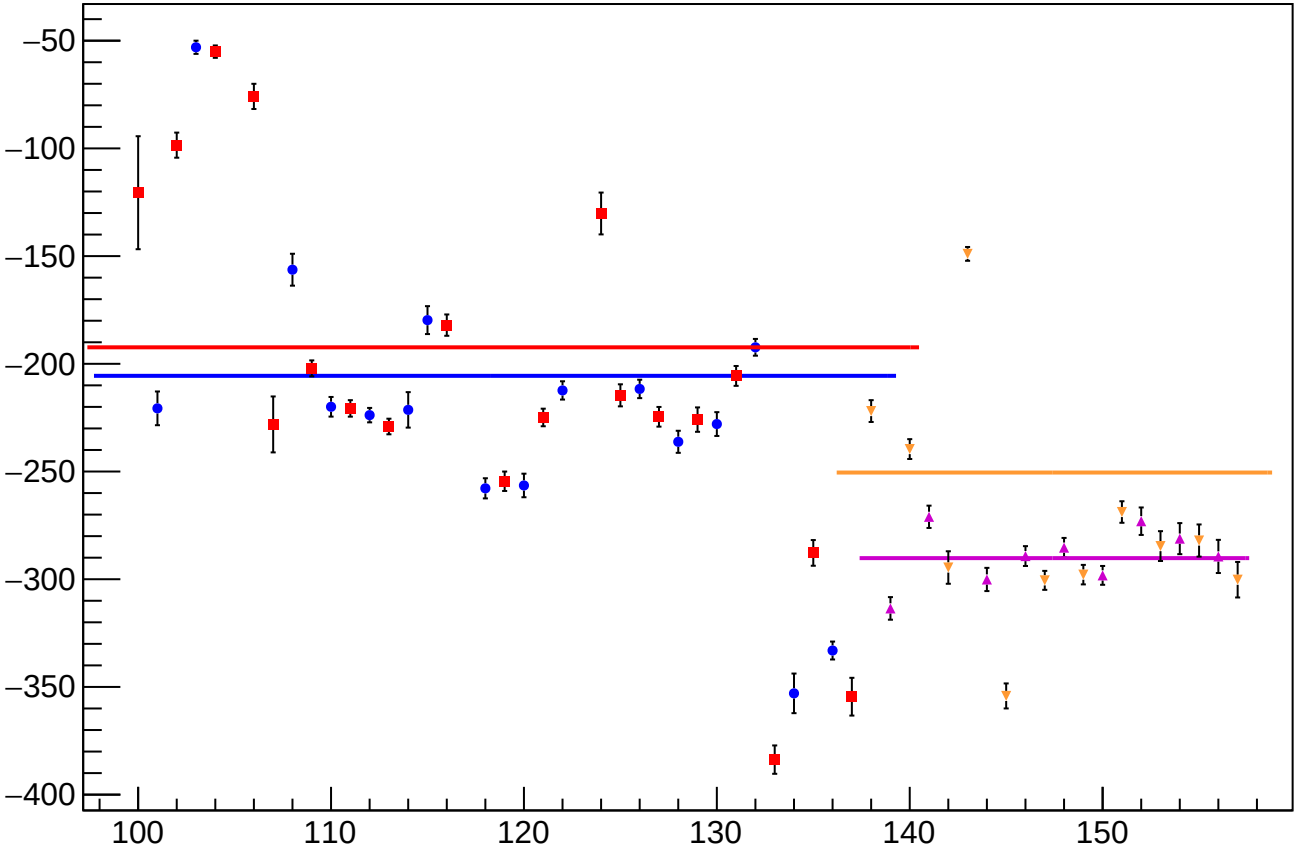
Left In: 7.883+/-0.019 χ^2/NDF:2104.6/8

+ sign 4.634+/-0.017 χ^2/NDF: 708020.7/26

All: 5.364+/-0.012 χ^2/NDF: 1071686.4/54

- sign 6.125+/-0.017 χ^2/NDF: 359729.3/27

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -250.471+/-1.535 χ^2/NDF:1722.4/10

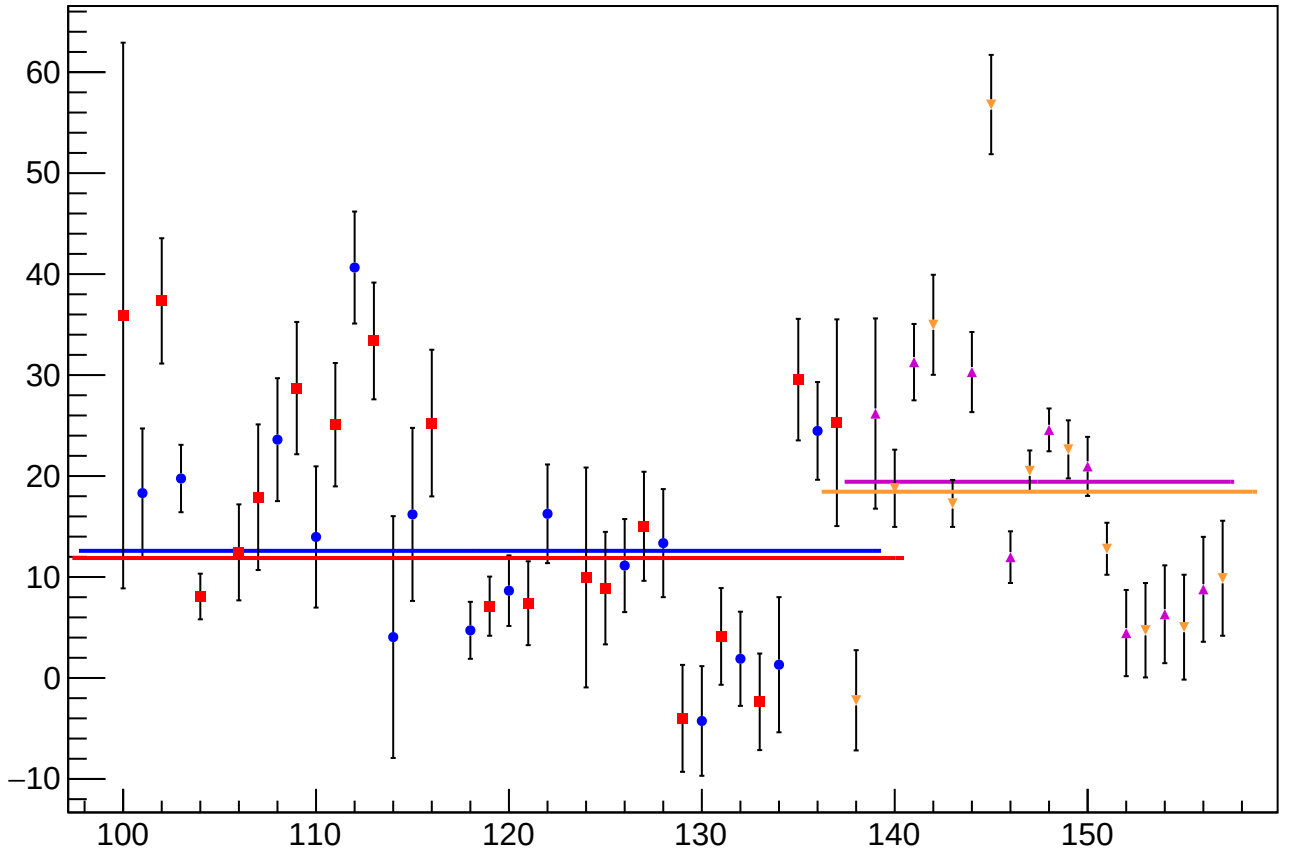
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.203+/-1.774 χ^2/NDF:50.3/8

+ sign -222.337+/-0.938 χ^2/NDF: 6314.5/26

All: -221.338+/-0.667 χ^2/NDF: 13509.3/54

- sign -220.316+/-0.949 χ^2/NDF: 7192.5/27



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 18.448+/-0.997 χ^2/NDF:115.0/10

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

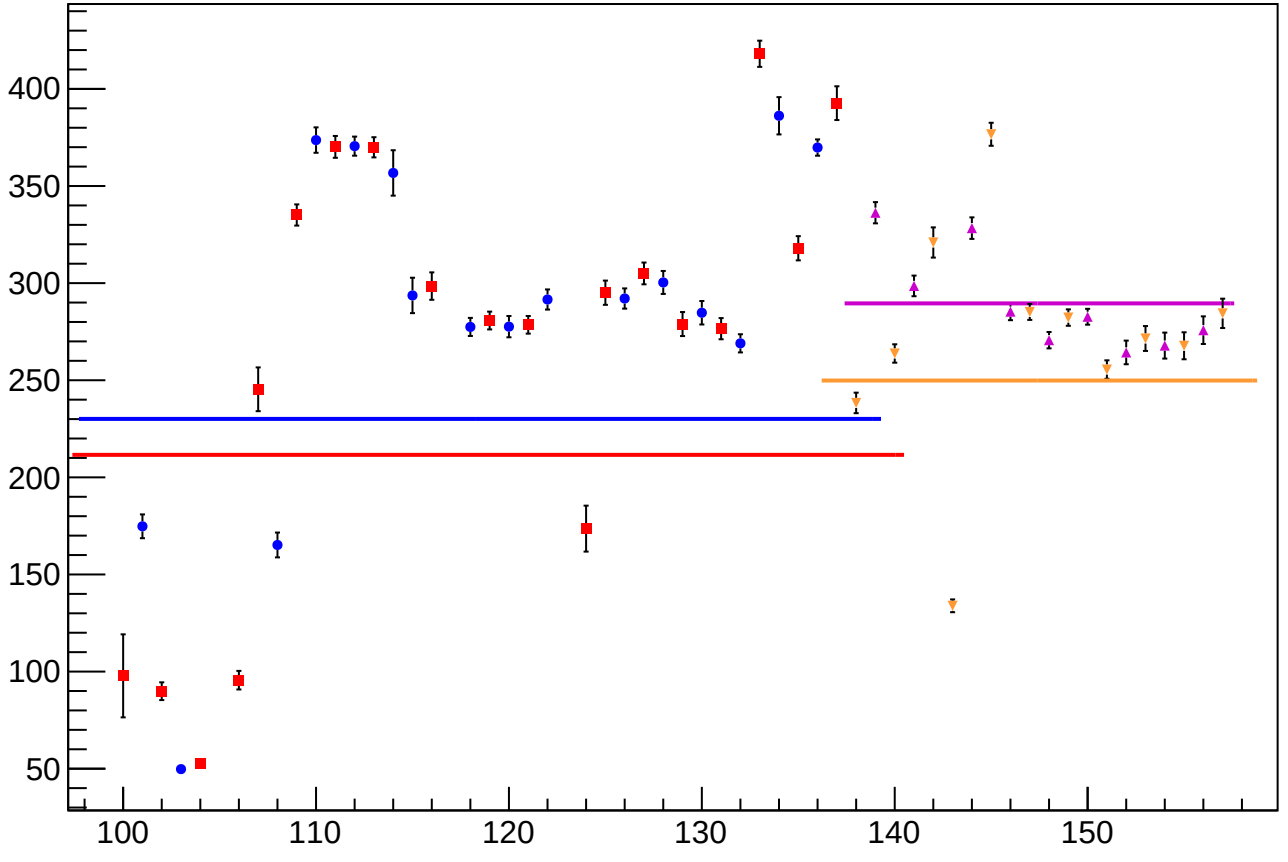
Left In: 19.433+/-1.139 χ^2/NDF:56.3/8

+ sign 16.063+/-0.768 χ^2/NDF: 197.6/26

All: 15.840+/-0.554 χ^2/NDF: 361.4/54

- sign 15.599+/-0.799 χ^2/NDF: 163.6/27

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 249.854+/-1.508 χ^2/NDF:1964.7/10

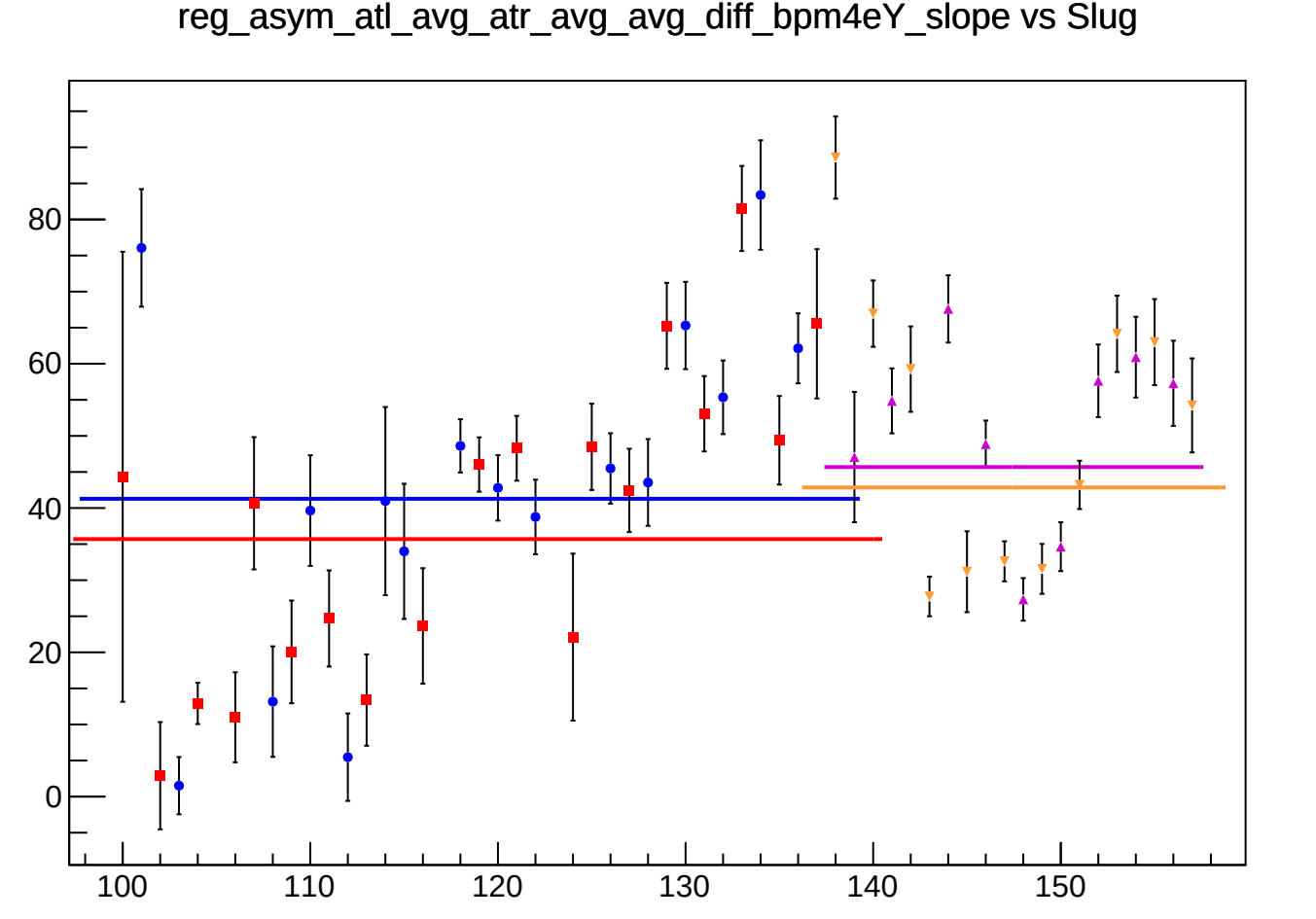
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 289.571+/-1.719 χ^2/NDF:180.1/8

+ sign 238.213+/-0.967 χ^2/NDF: 11441.4/26

All: 237.619+/-0.689 χ^2/NDF: 24481.9/54

- sign 237.008+/-0.981 χ^2/NDF: 13039.7/27



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 42.853+/-1.230 χ^2/NDF:188.9/10

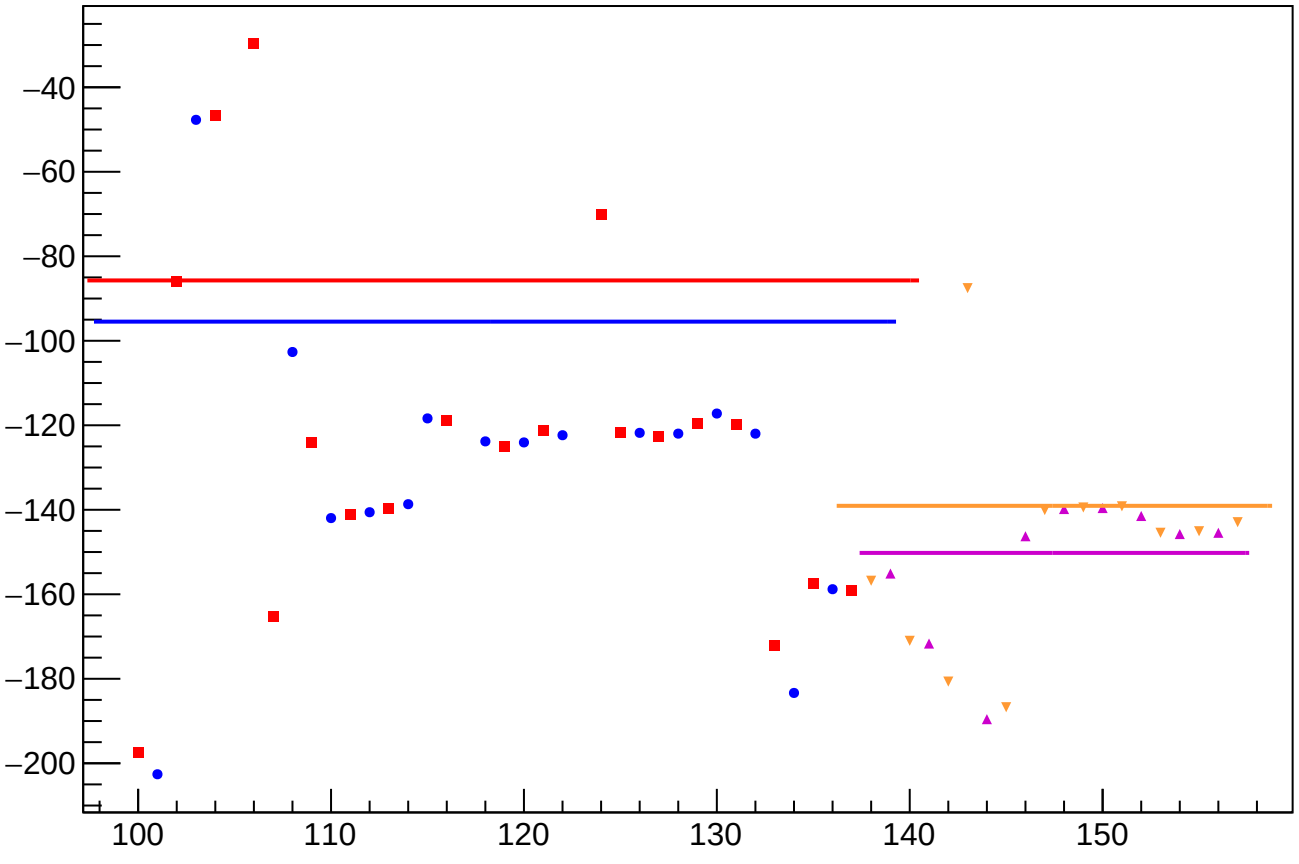
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 45.679+/-1.409 χ^2/NDF:93.5/8

+ sign 42.167+/-0.924 χ^2/NDF: 435.3/26

All: 41.295+/-0.666 χ^2/NDF: 810.7/54

- sign 40.349+/-0.962 χ^2/NDF: 373.5/27



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.063+/-0.061 χ^2/NDF:230449.3/10

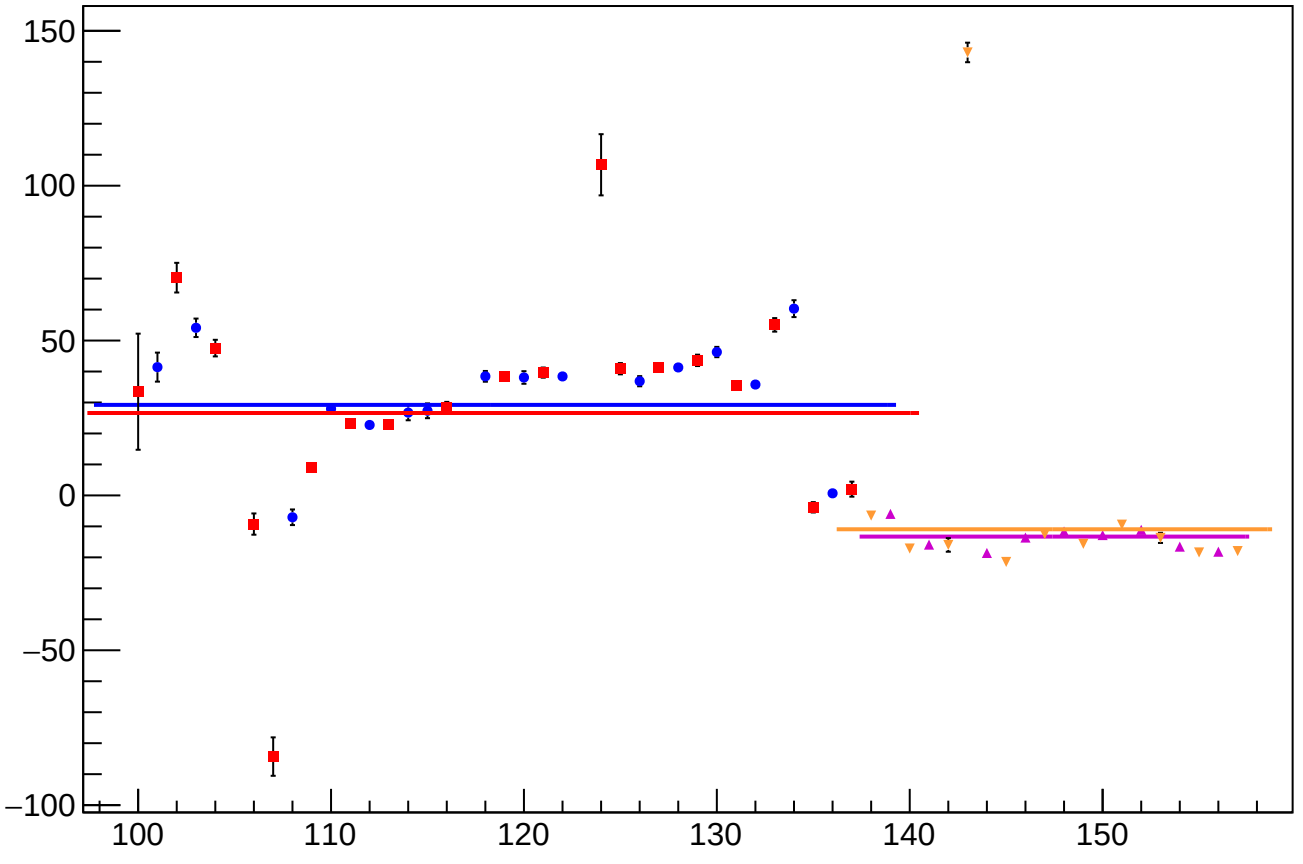
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -150.207+/-0.067 χ^2/NDF:46027.5/8

+ sign -120.138+/-0.046 χ^2/NDF: 973362.4/26

All: -119.051+/-0.033 χ^2/NDF: 1966009.1/54

- sign -117.885+/-0.047 χ^2/NDF: 991477.7/27



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

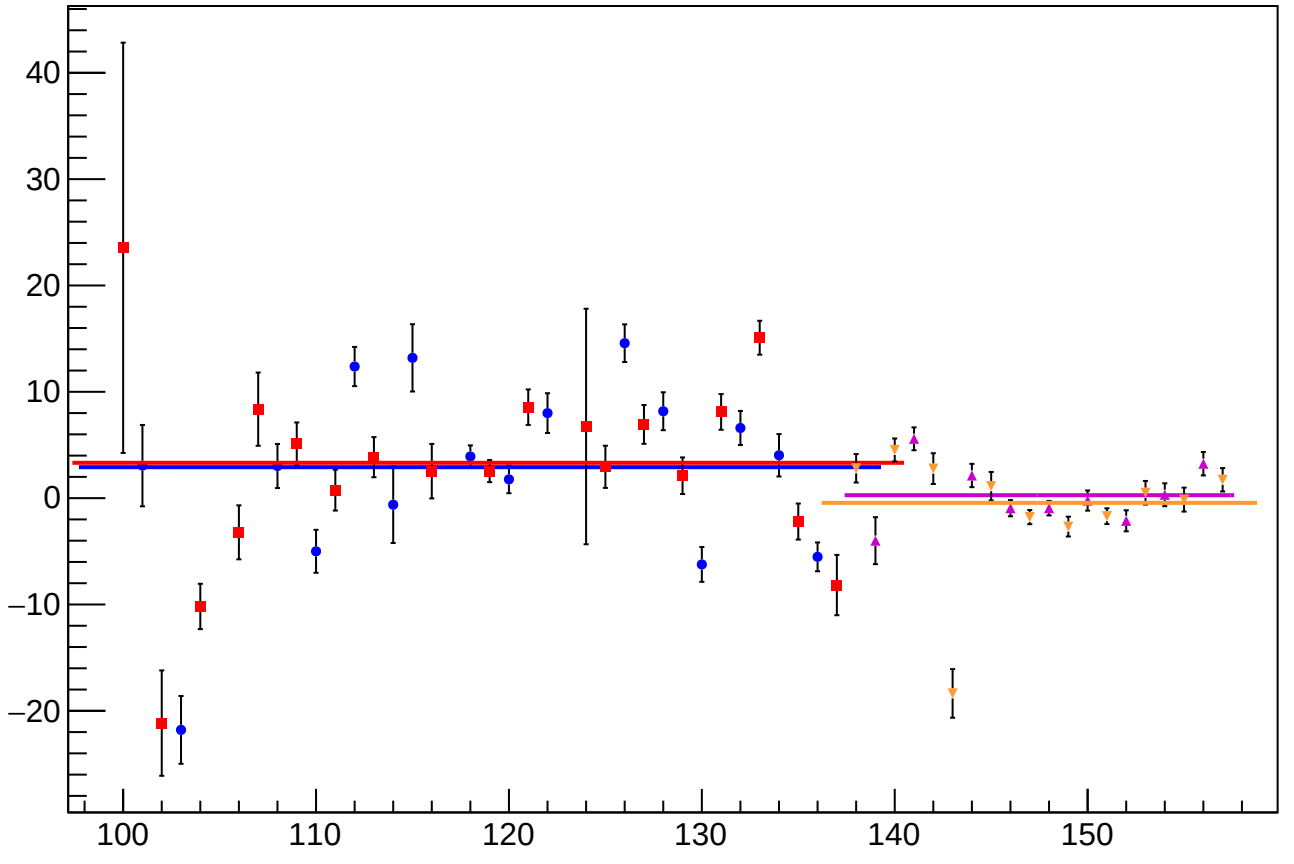
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.297+/-0.479 χ^2/NDF:68.7/8

\+ sign 11.082+/-0.314 χ^2/NDF: 7916.9/26

All: 10.308+/-0.222 χ^2/NDF: 13891.4/54

\- sign 9.537+/-0.313 χ^2/NDF: 5962.4/27



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

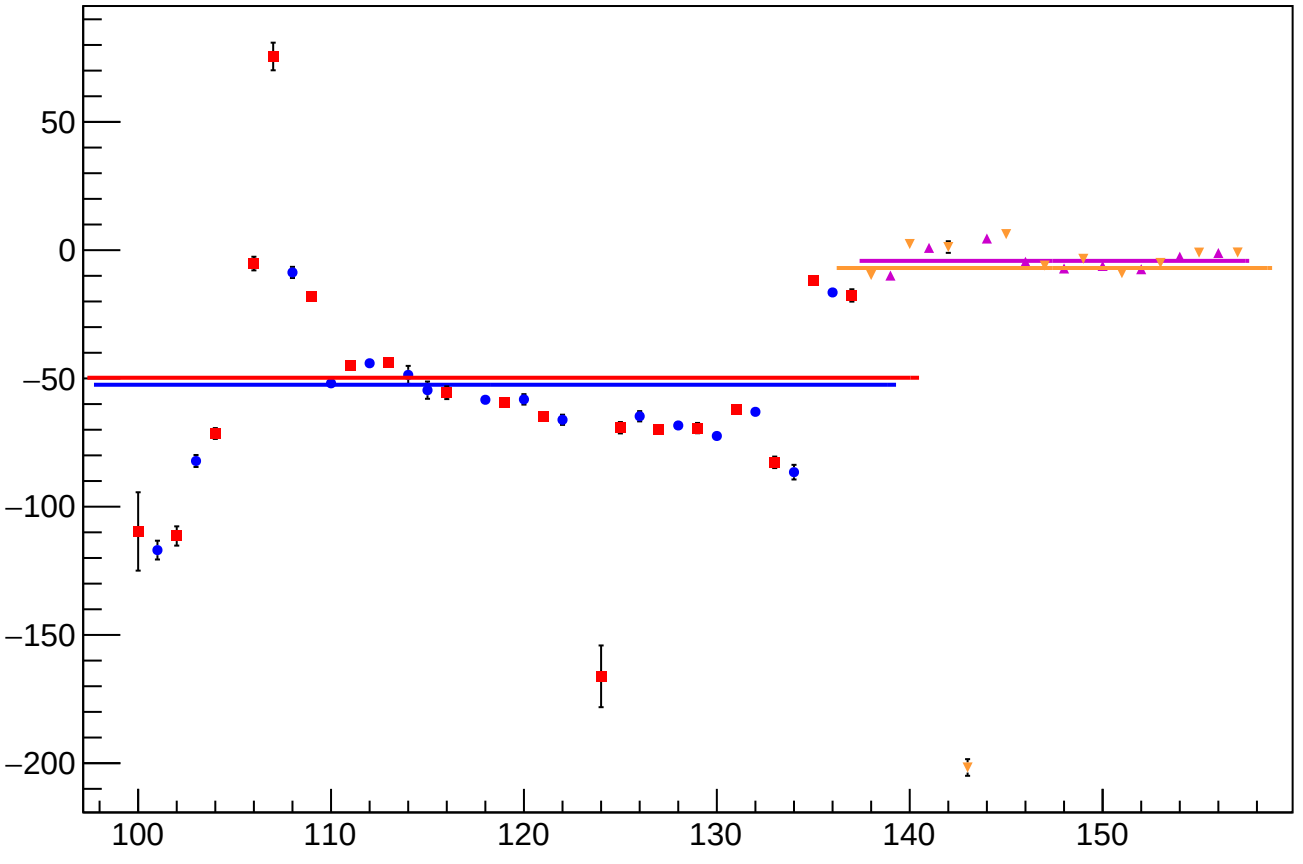
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.278+/-0.323 χ^2/NDF:50.2/8

\+ sign 0.670+/-0.255 χ^2/NDF: 400.6/26

All: 0.977+/-0.183 χ^2/NDF: 665.5/54

\- sign 1.304+/-0.263 χ^2/NDF: 261.9/27



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

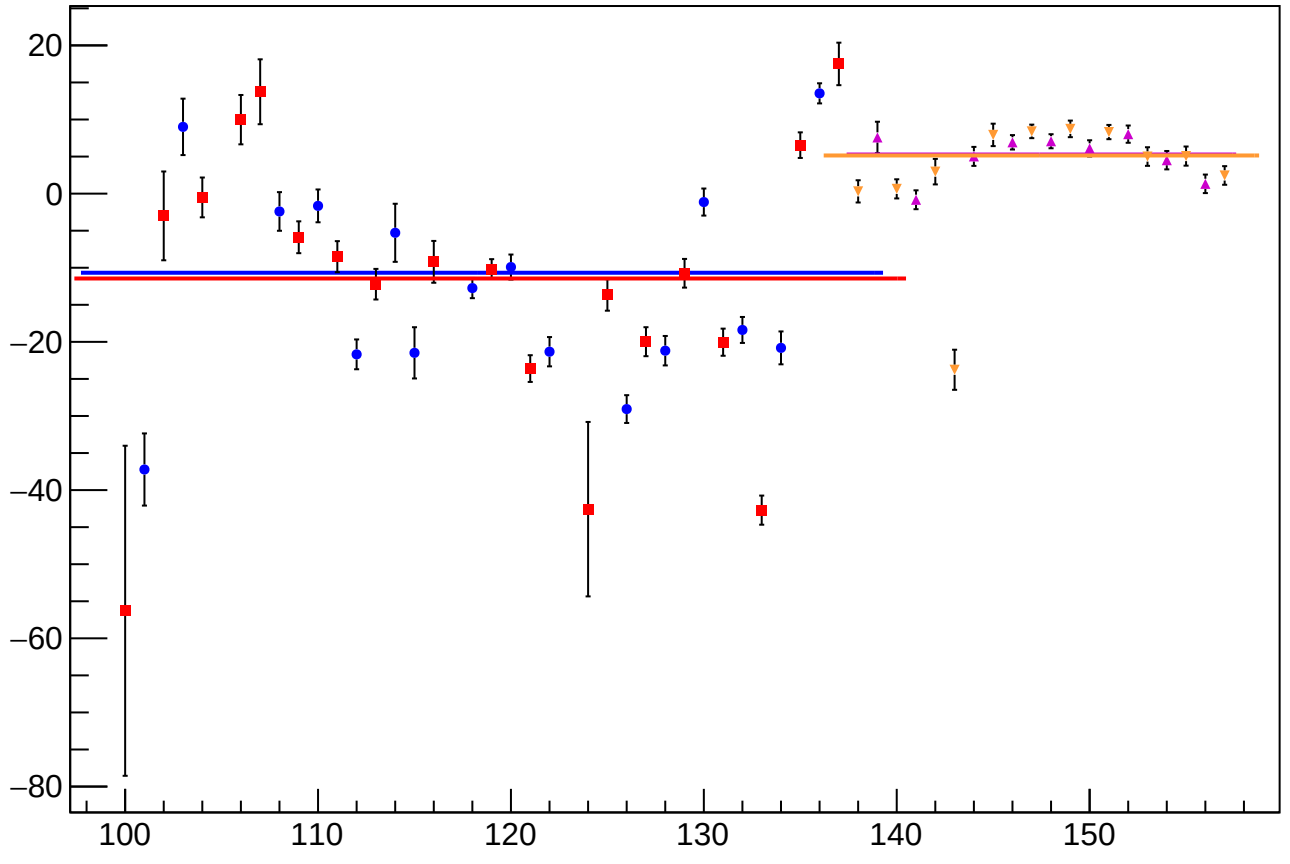
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.169+/-0.465 χ^2/NDF:82.3/8

\+ sign -28.085+/-0.332 χ^2/NDF: 10778.3/26

All: -26.854+/-0.237 χ^2/NDF: 18408.1/54

\- sign -25.576+/-0.339 χ^2/NDF: 7601.9/27



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.148+/-0.381 χ^2/NDF:180.2/10

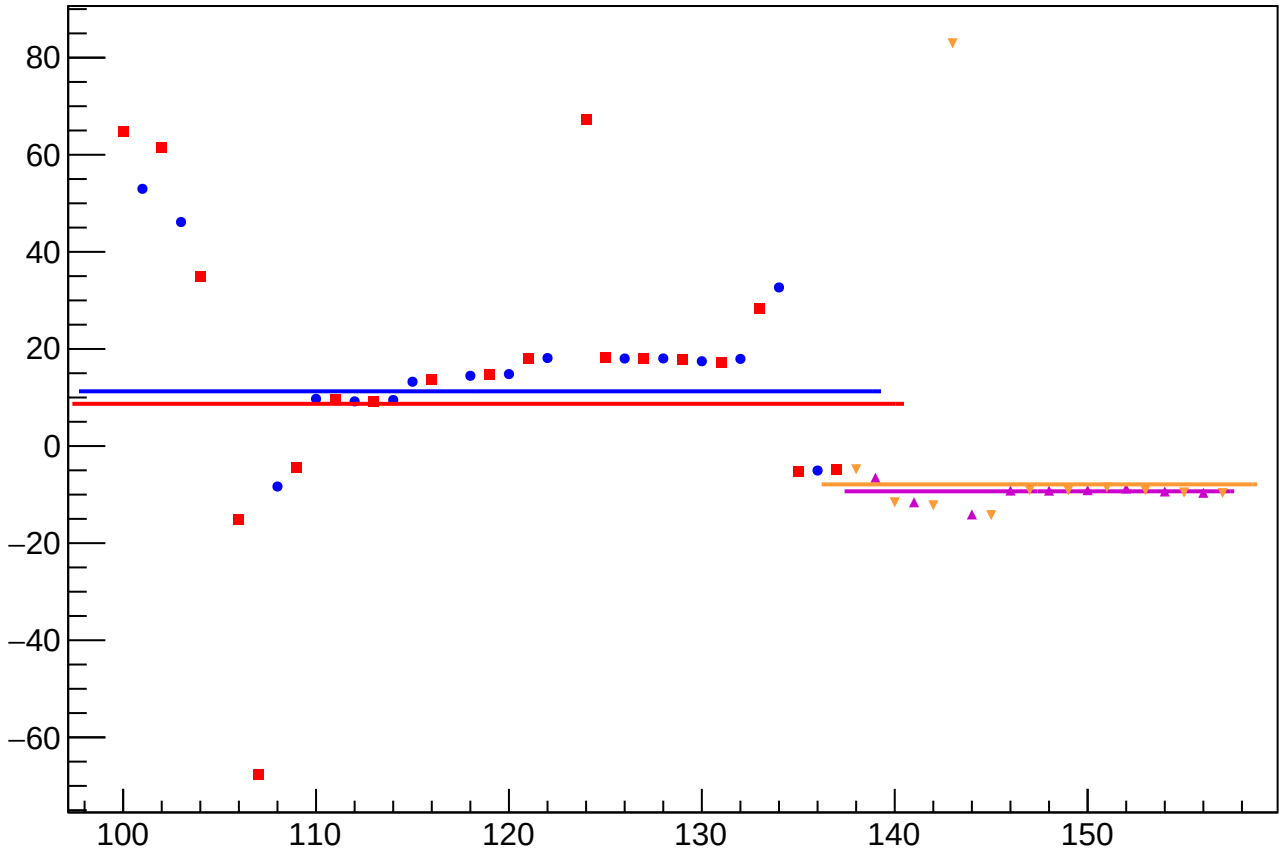
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.279+/-0.393 χ^2/NDF:47.2/8

\+ sign -0.578+/-0.304 χ^2/NDF: 1471.9/26

All: -0.716+/-0.218 χ^2/NDF: 2850.3/54

\- sign -0.862+/-0.313 χ^2/NDF: 1378.0/27



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

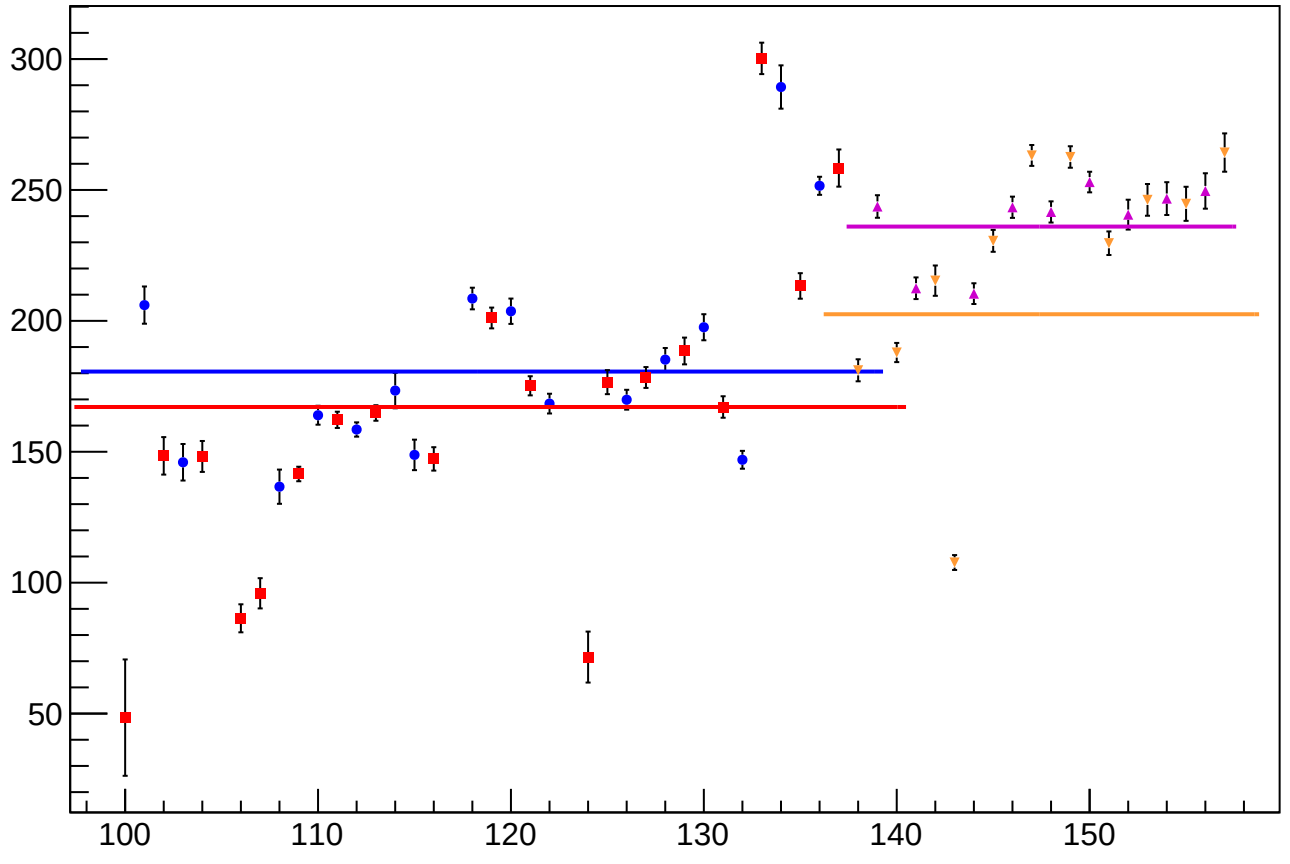
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.323+/-0.018 χ^2/NDF:10247.7/8

\+ sign -3.019+/-0.015 χ^2/NDF: 1131927.7/26

All: -3.992+/-0.011 χ^2/NDF: 1836899.6/54

\- sign -5.003+/-0.015 χ^2/NDF: 696492.3/27



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

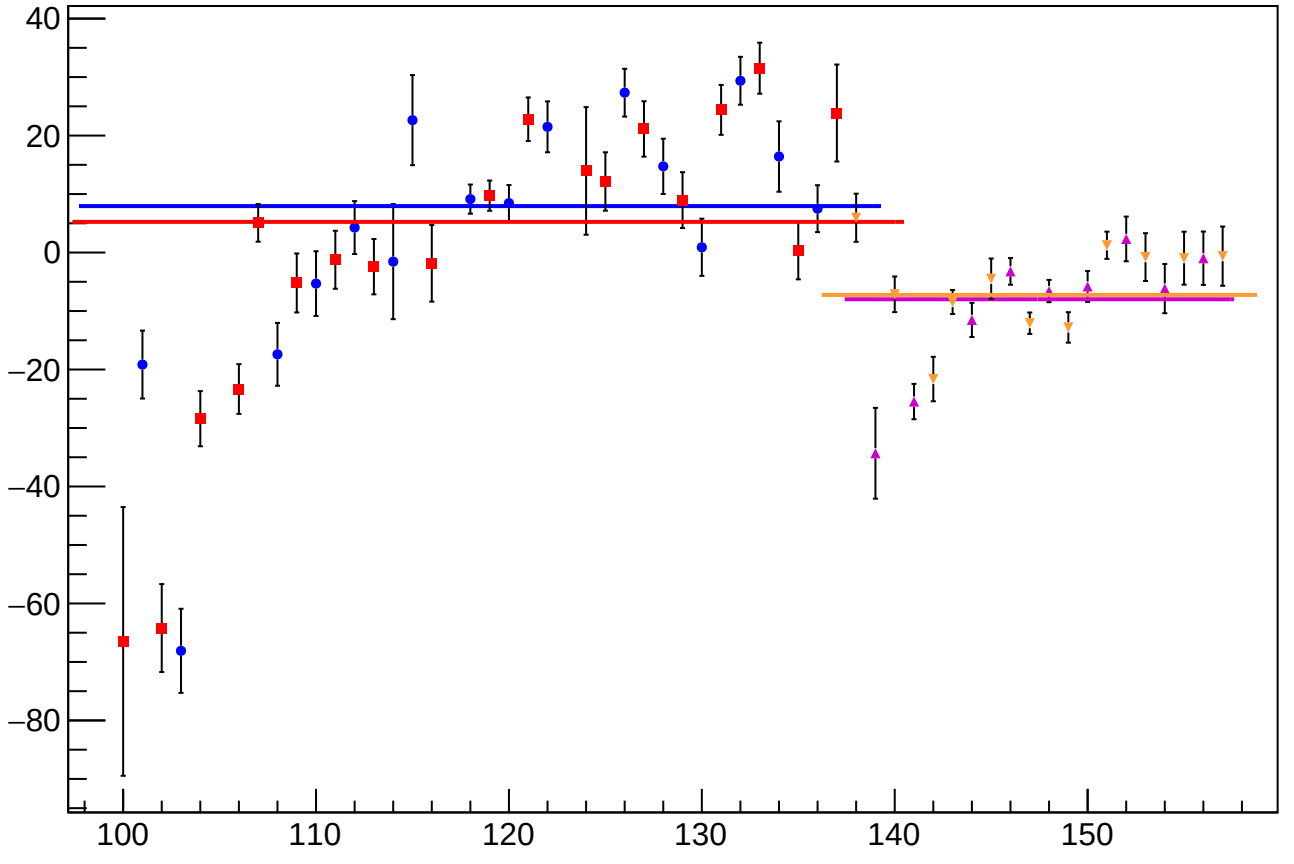
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 236.014+/-1.507 χ^2/NDF:108.9/8

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 189.190+/-0.595 χ^2/NDF: 6038.3/54

- sign 188.782+/-0.845 χ^2/NDF: 3027.2/27



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

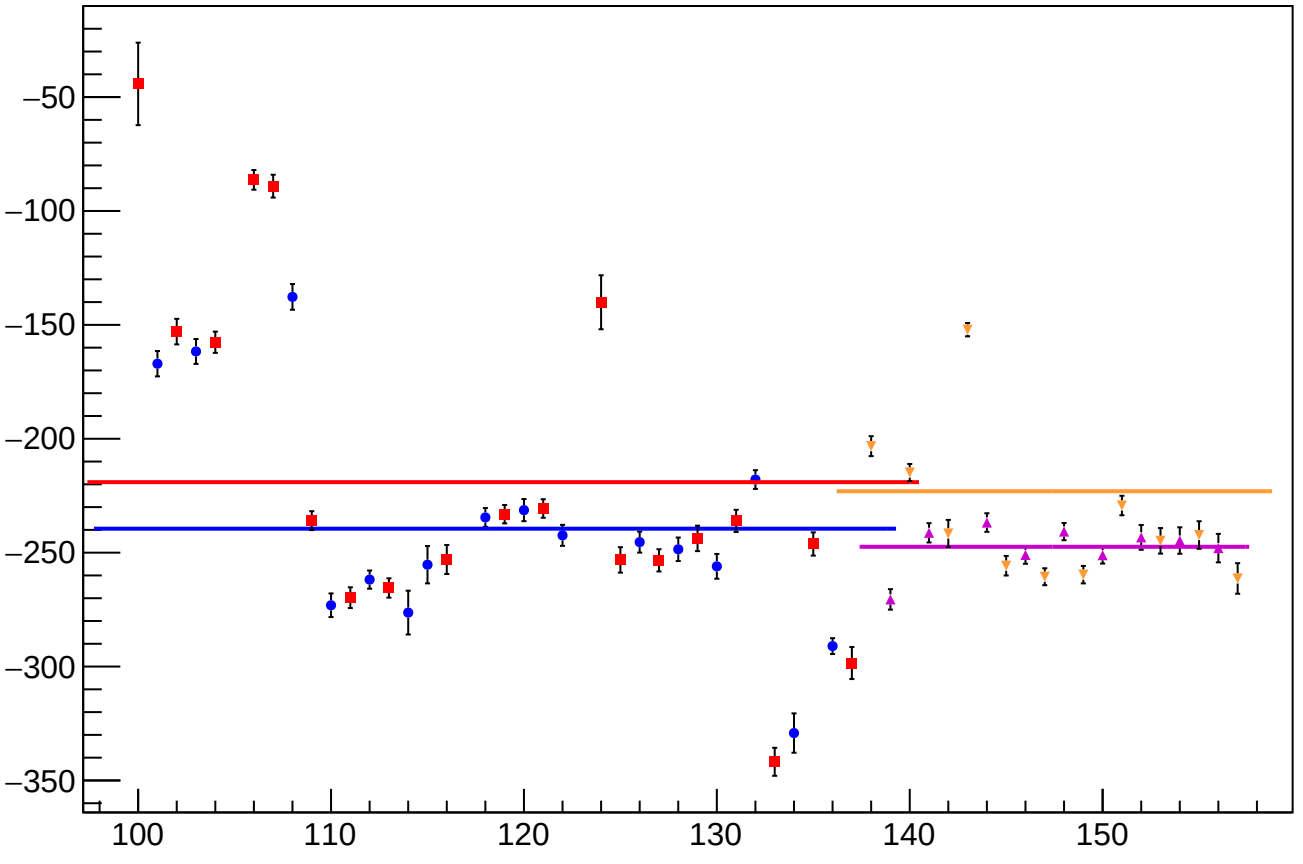
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -7.989+/-0.986 χ^2/NDF:61.9/8

+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.678+/-0.497 χ^2/NDF: 853.7/54

- sign -1.861+/-0.723 χ^2/NDF: 448.2/27



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -223.032+/-1.293 χ^2/NDF:934.7/10

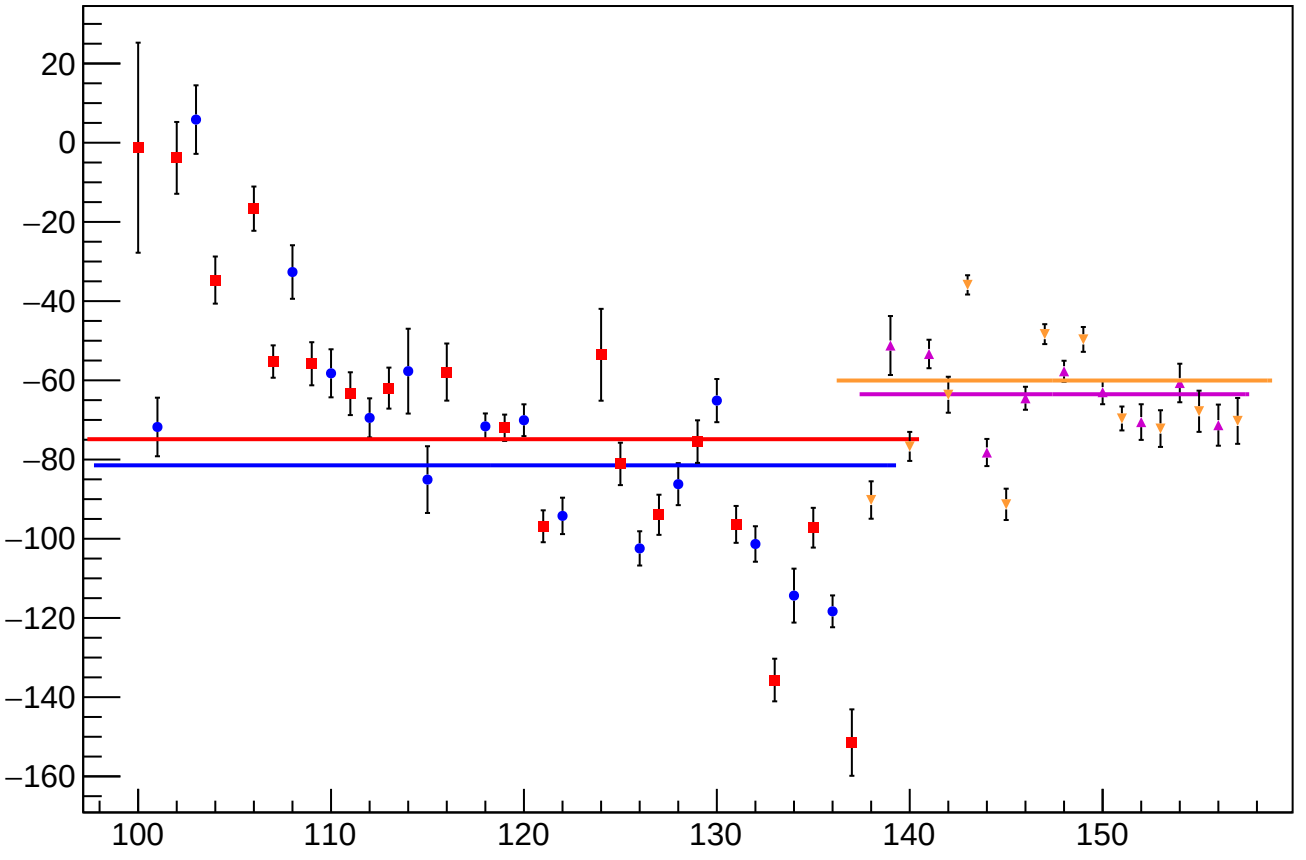
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.425+/-1.468 χ^2/NDF:41.1/8

+ sign -231.559+/-0.897 χ^2/NDF: 2180.7/26

All: -230.871+/-0.642 χ^2/NDF: 5499.9/54

- sign -230.151+/-0.918 χ^2/NDF: 3318.0/27



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

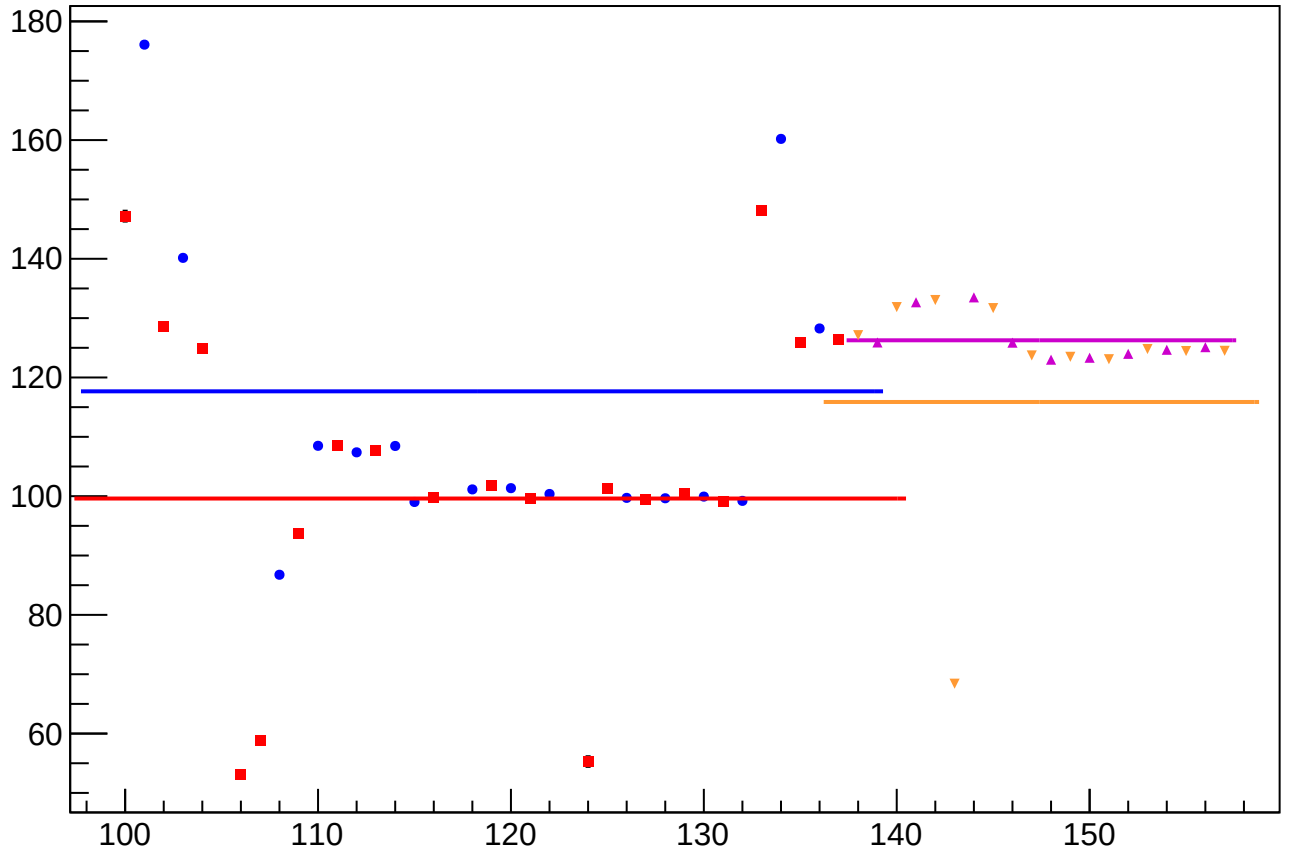
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.509+/-1.215 χ^2/NDF:39.1/8

+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -68.918+/-0.595 χ^2/NDF: 1467.6/54

- sign -69.113+/-0.864 χ^2/NDF: 658.9/27



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

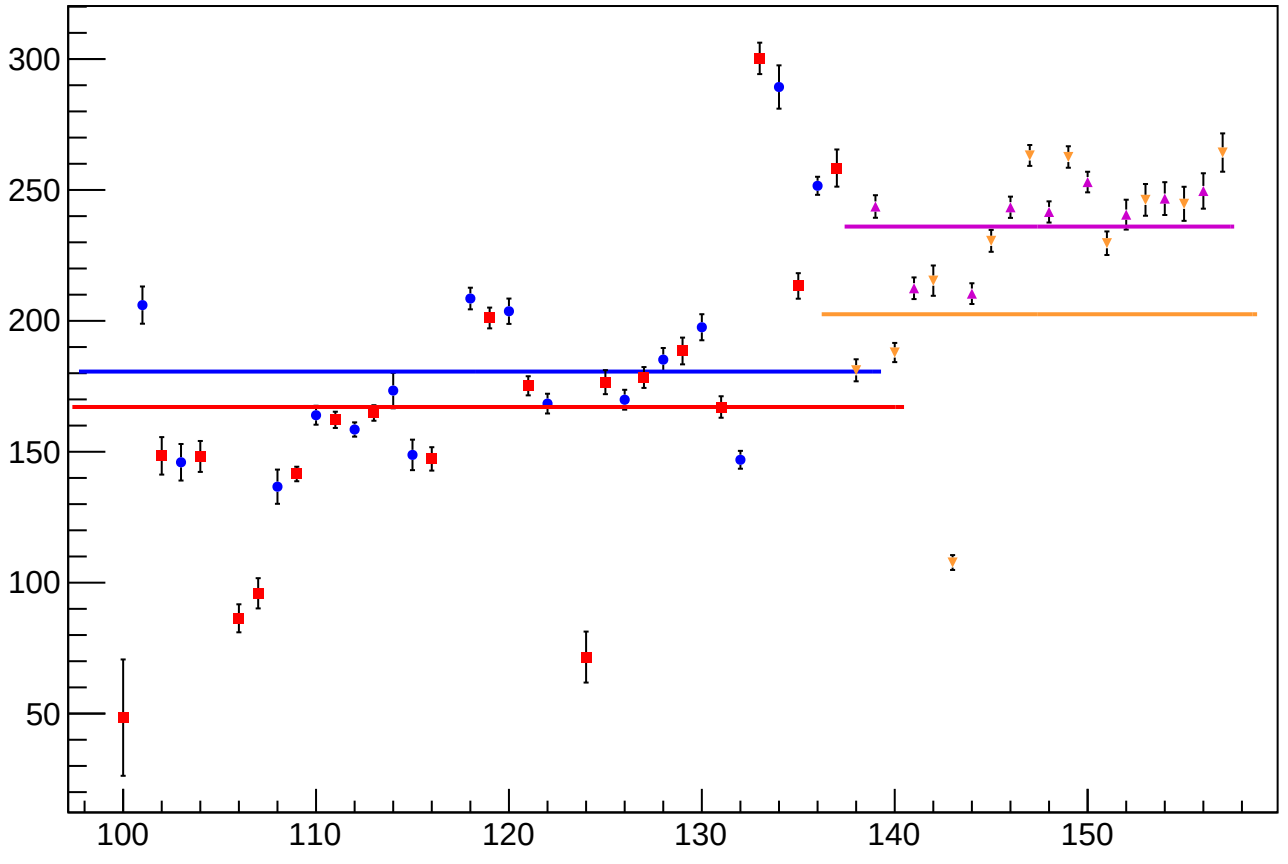
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.265+/-0.058 χ^2/NDF:4019.1/8

+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.011+/-0.031 χ^2/NDF: 543067.8/54

- sign 115.577+/-0.045 χ^2/NDF: 256417.2/27



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 202.530+/-1.310 χ^2/NDF:1852.1/10

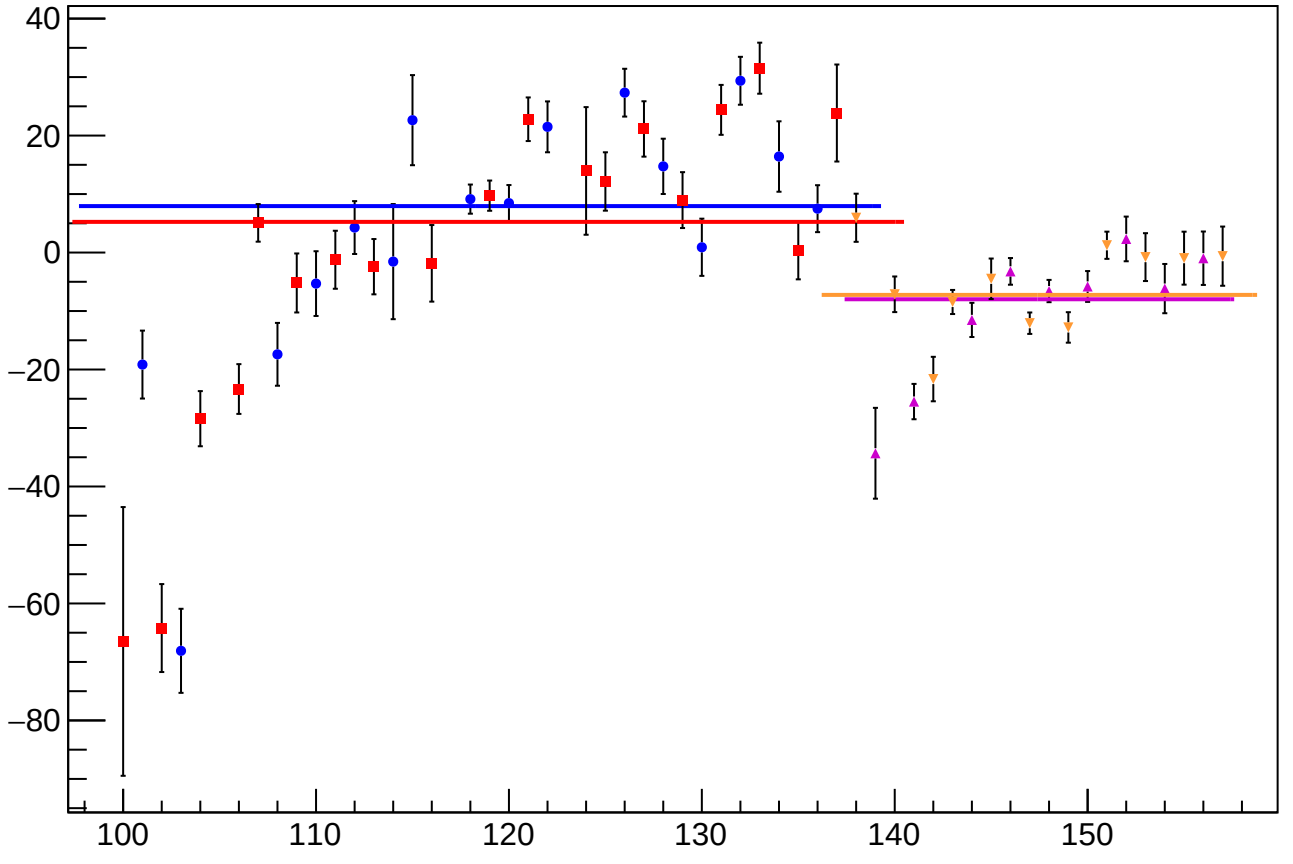
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 236.014+/-1.507 χ^2/NDF:108.9/8

+ sign 189.590+/-0.838 χ^2/NDF: 3010.7/26

All: 189.190+/-0.595 χ^2/NDF: 6038.3/54

- sign 188.782+/-0.845 χ^2/NDF: 3027.2/27



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.242+/-0.866 χ^2/NDF:56.6/10

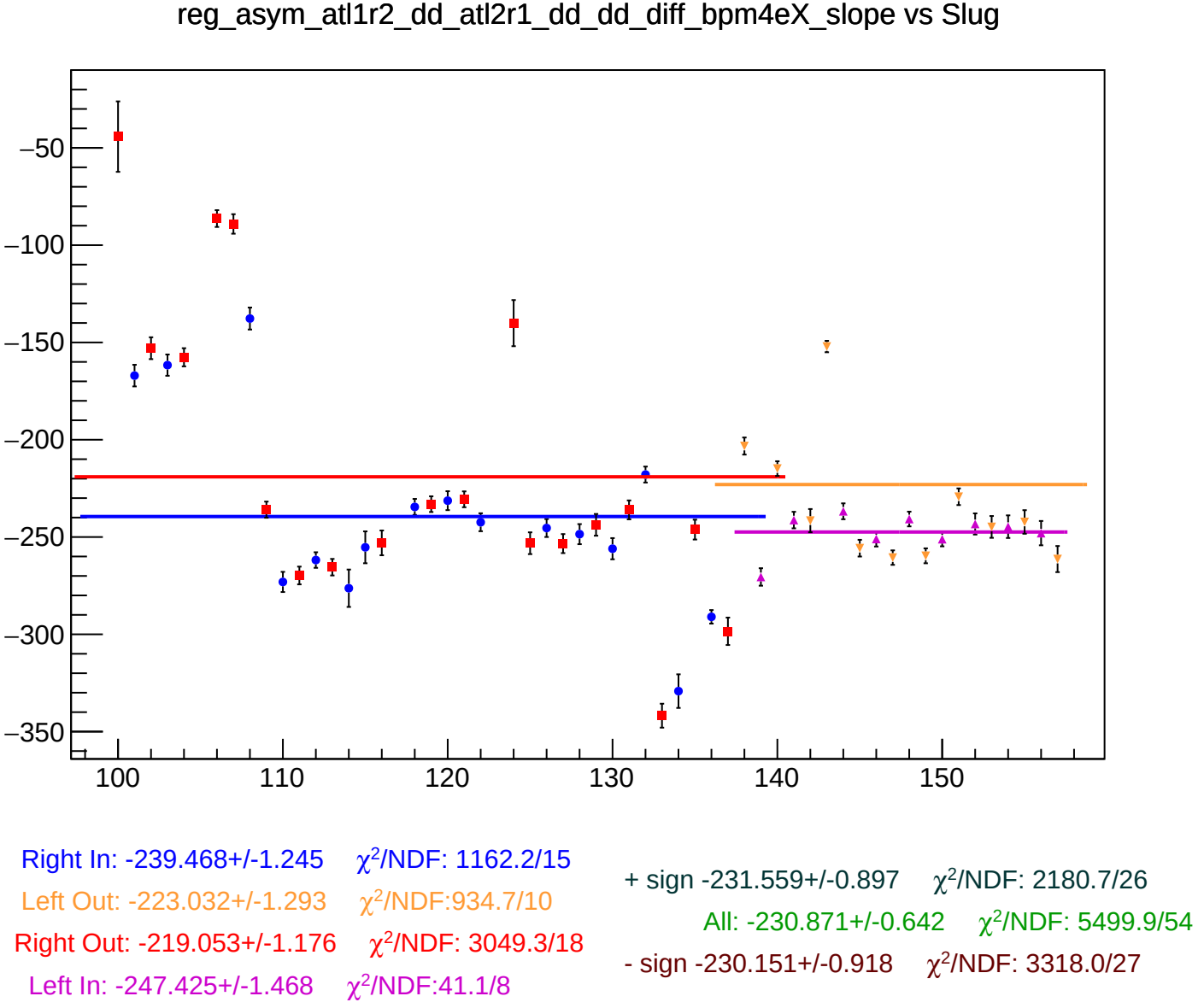
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

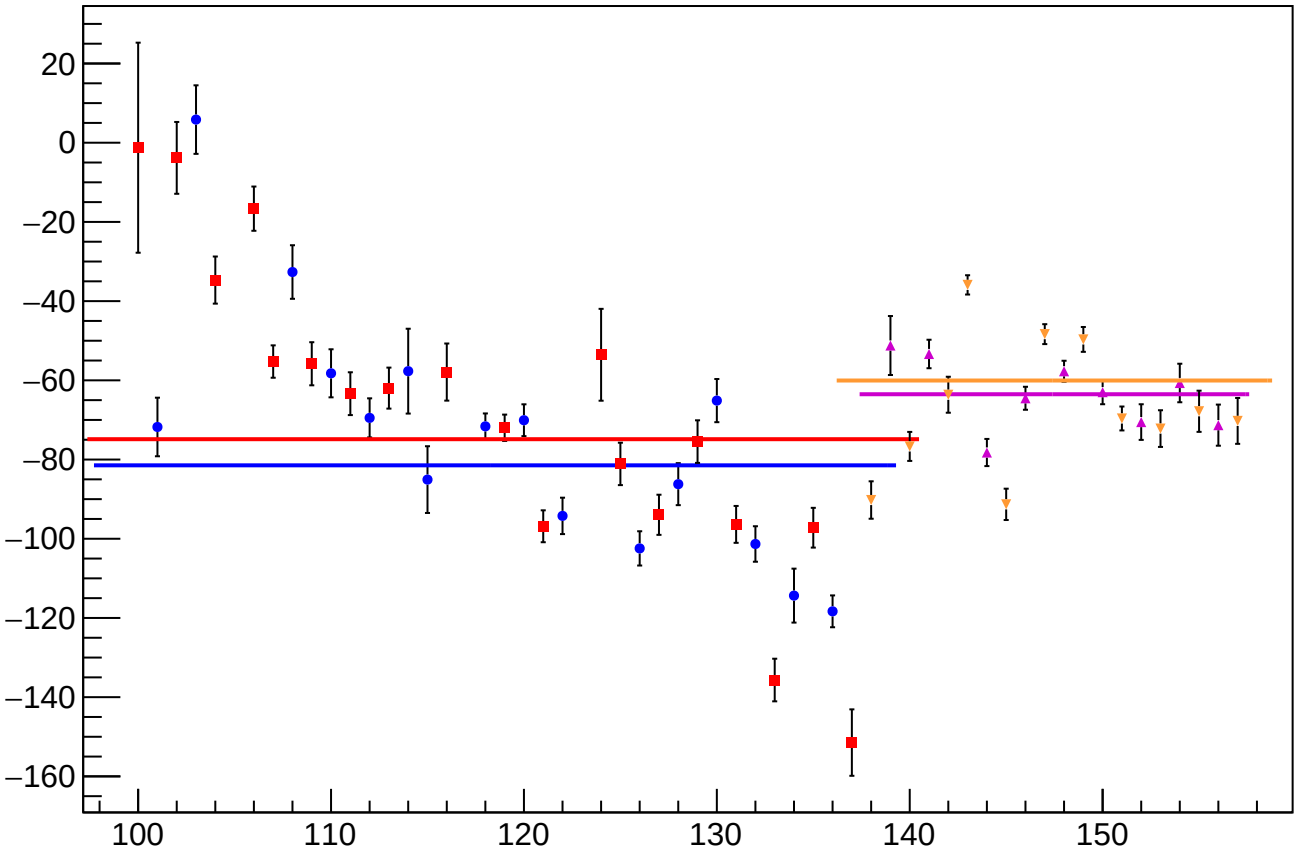
Left In: -7.989+/-0.986 χ^2/NDF:61.9/8

\+ sign -1.515+/-0.684 χ^2/NDF: 405.3/26

All: -1.678+/-0.497 χ^2/NDF: 853.7/54

\- sign -1.861+/-0.723 χ^2/NDF: 448.2/27


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -223.032+/-1.293 χ²/NDF:934.7/10
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.425+/-1.468 χ²/NDF:41.1/8
+ sign -231.559+/-0.897 χ²/NDF: 2180.7/26
All: -230.871+/-0.642 χ²/NDF: 5499.9/54
- sign -230.151+/-0.918 χ²/NDF: 3318.0/27



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -60.044+/-1.064 χ^2/NDF:277.6/10

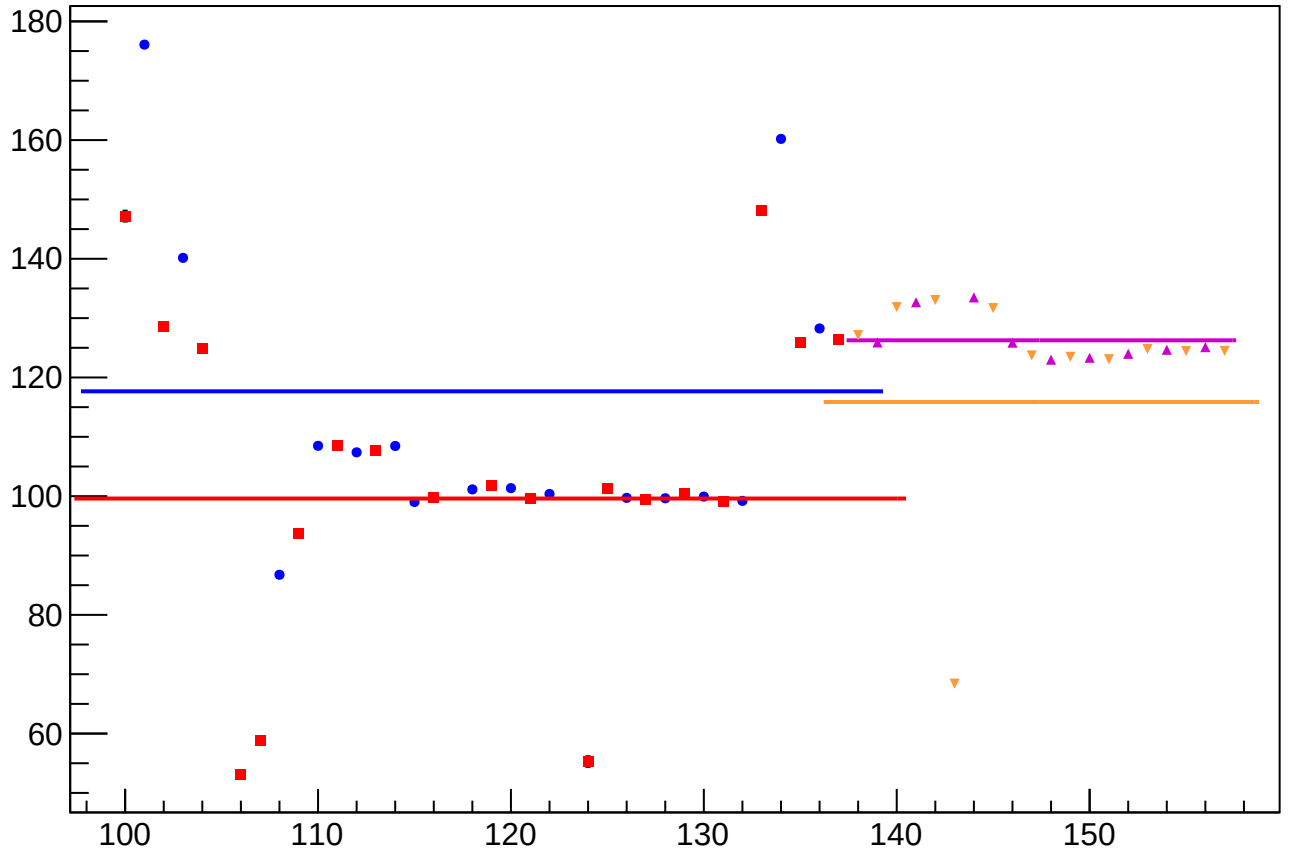
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.509+/-1.215 χ^2/NDF:39.1/8

+ sign -68.742+/-0.820 χ^2/NDF: 808.6/26

All: -68.918+/-0.595 χ^2/NDF: 1467.6/54

- sign -69.113+/-0.864 χ^2/NDF: 658.9/27



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.872+/-0.052 χ^2/NDF:190704.1/10

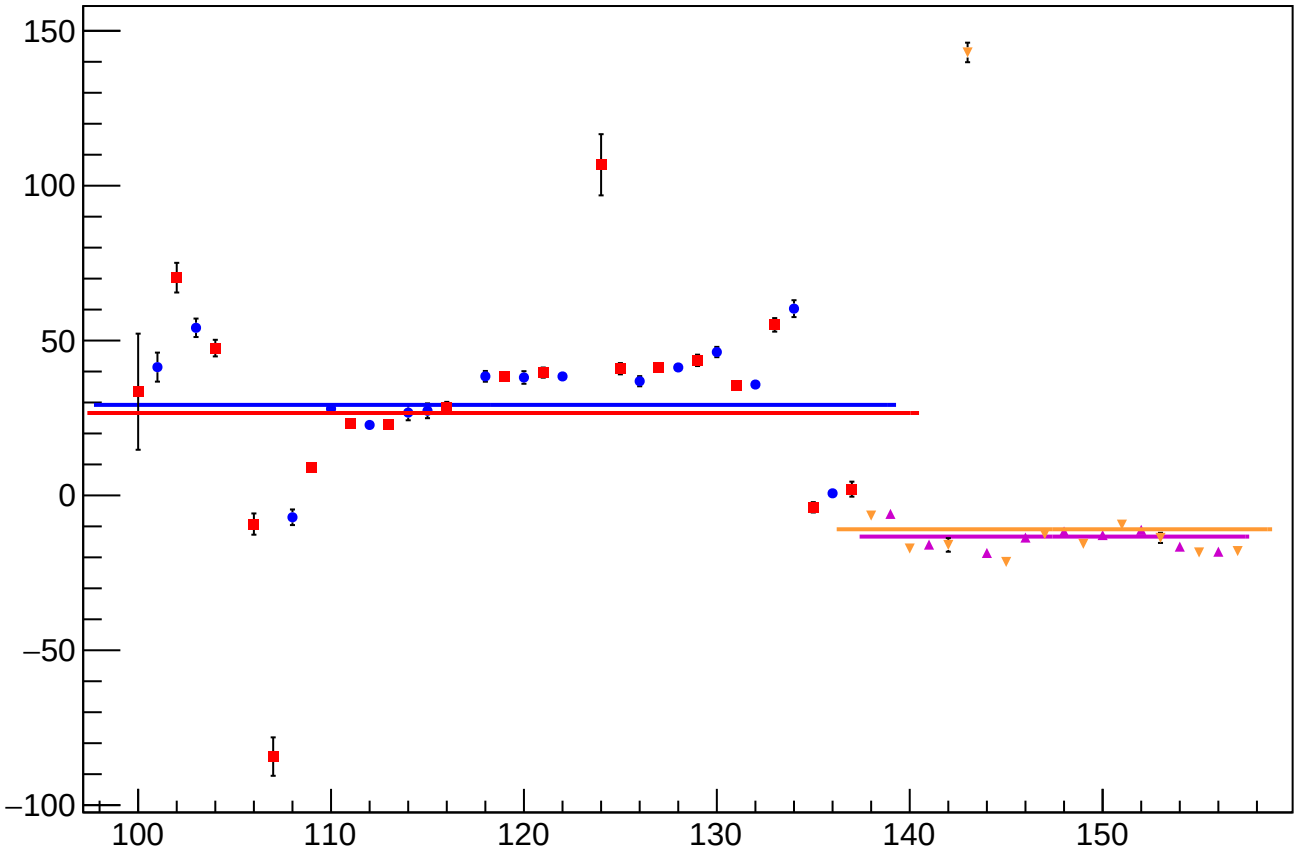
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.265+/-0.058 χ^2/NDF:4019.1/8

\+ sign 116.424+/-0.043 χ^2/NDF: 286465.0/26

All: 116.011+/-0.031 χ^2/NDF: 543067.8/54

\- sign 115.577+/-0.045 χ^2/NDF: 256417.2/27



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -10.933+/-0.467 χ^2/NDF:2525.3/10

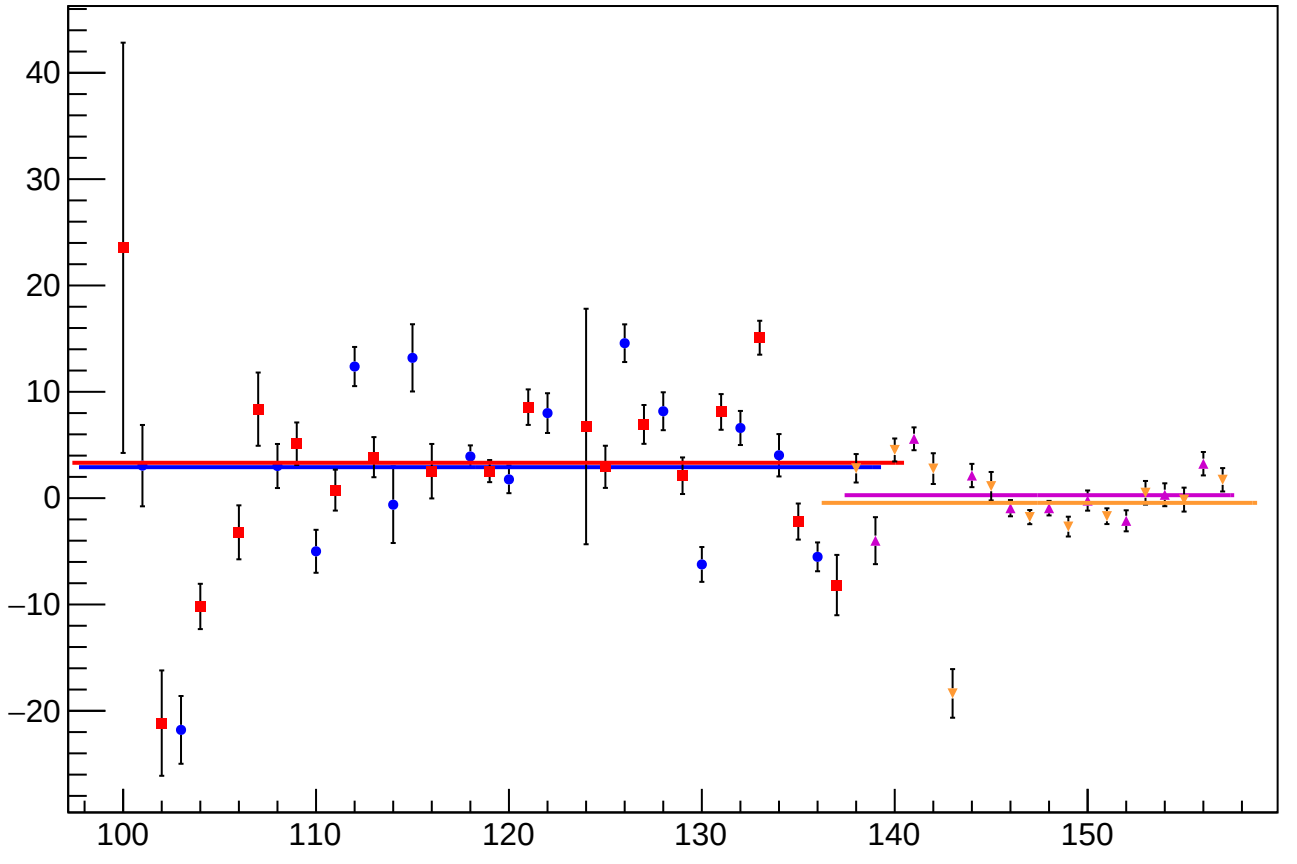
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.297+/-0.479 χ^2/NDF:68.7/8

\+ sign 11.082+/-0.314 χ^2/NDF: 7916.9/26

All: 10.308+/-0.222 χ^2/NDF: 13891.4/54

\- sign 9.537+/-0.313 χ^2/NDF: 5962.4/27



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.442+/-0.312 χ^2/NDF:112.2/10

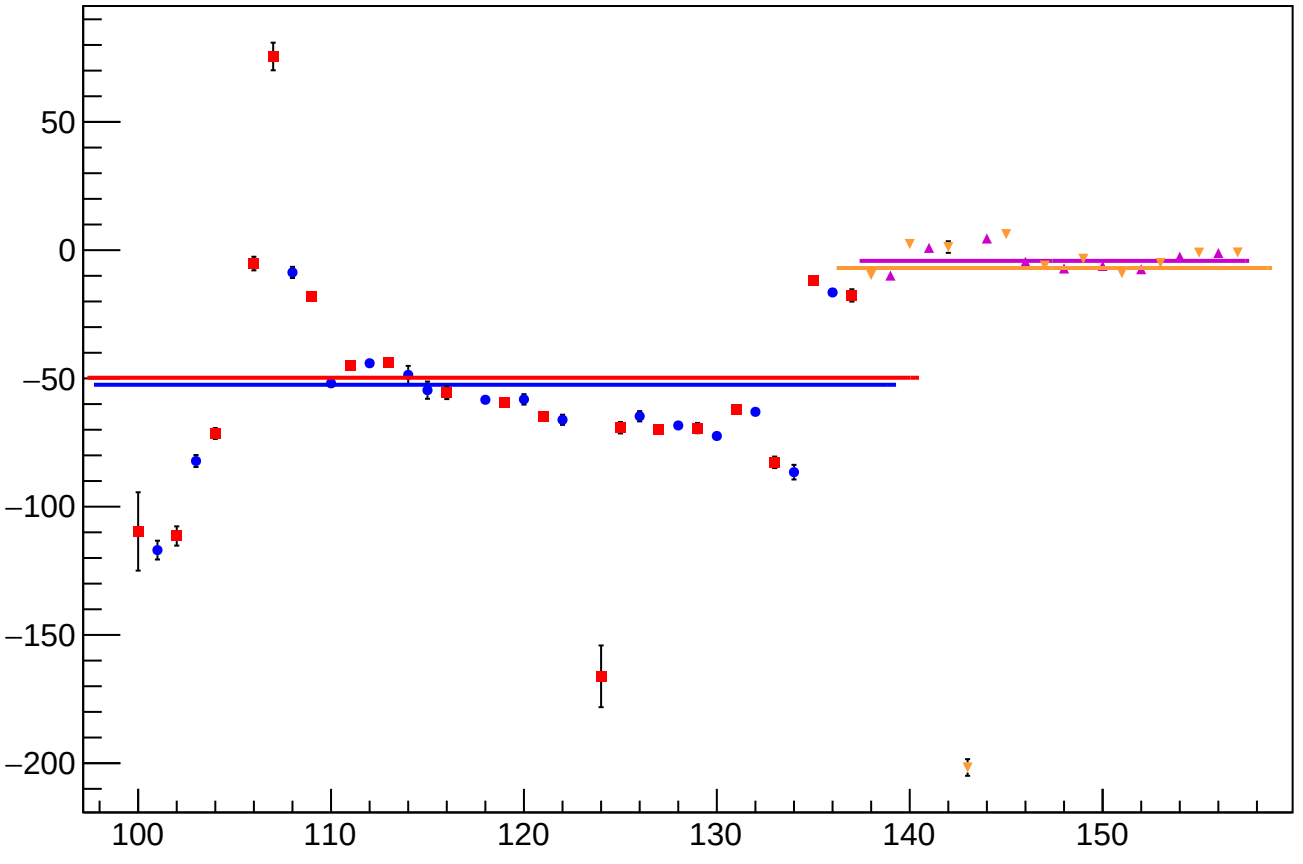
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.278+/-0.323 χ^2/NDF:50.2/8

+ sign 0.670+/-0.255 χ^2/NDF: 400.6/26

All: 0.977+/-0.183 χ^2/NDF: 665.5/54

- sign 1.304+/-0.263 χ^2/NDF: 261.9/27



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.952+/-0.454 χ^2/NDF:3783.9/10

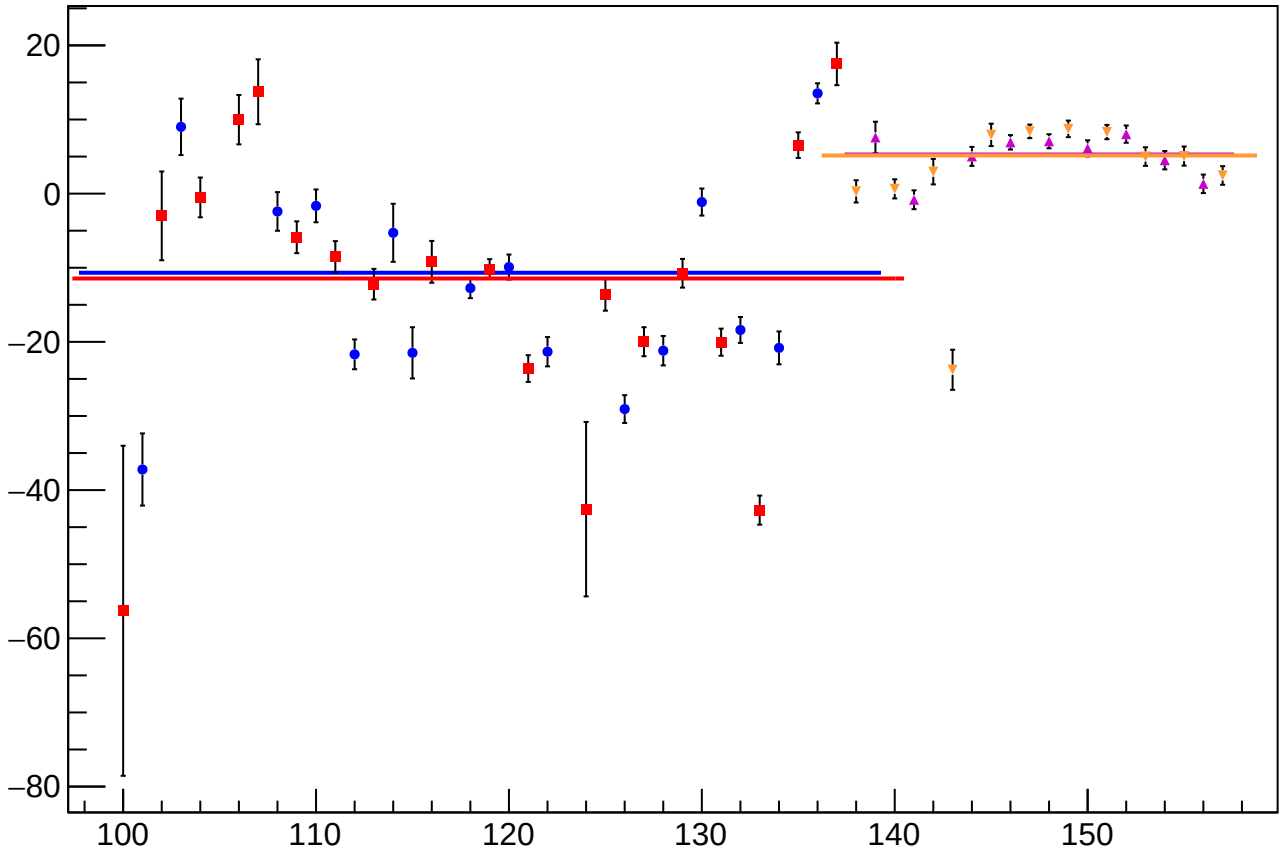
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.169+/-0.465 χ^2/NDF:82.3/8

+ sign -28.085+/-0.332 χ^2/NDF: 10778.3/26

All: -26.854+/-0.237 χ^2/NDF: 18408.1/54

- sign -25.576+/-0.339 χ^2/NDF: 7601.9/27



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.148+/-0.381 χ^2/NDF:180.2/10

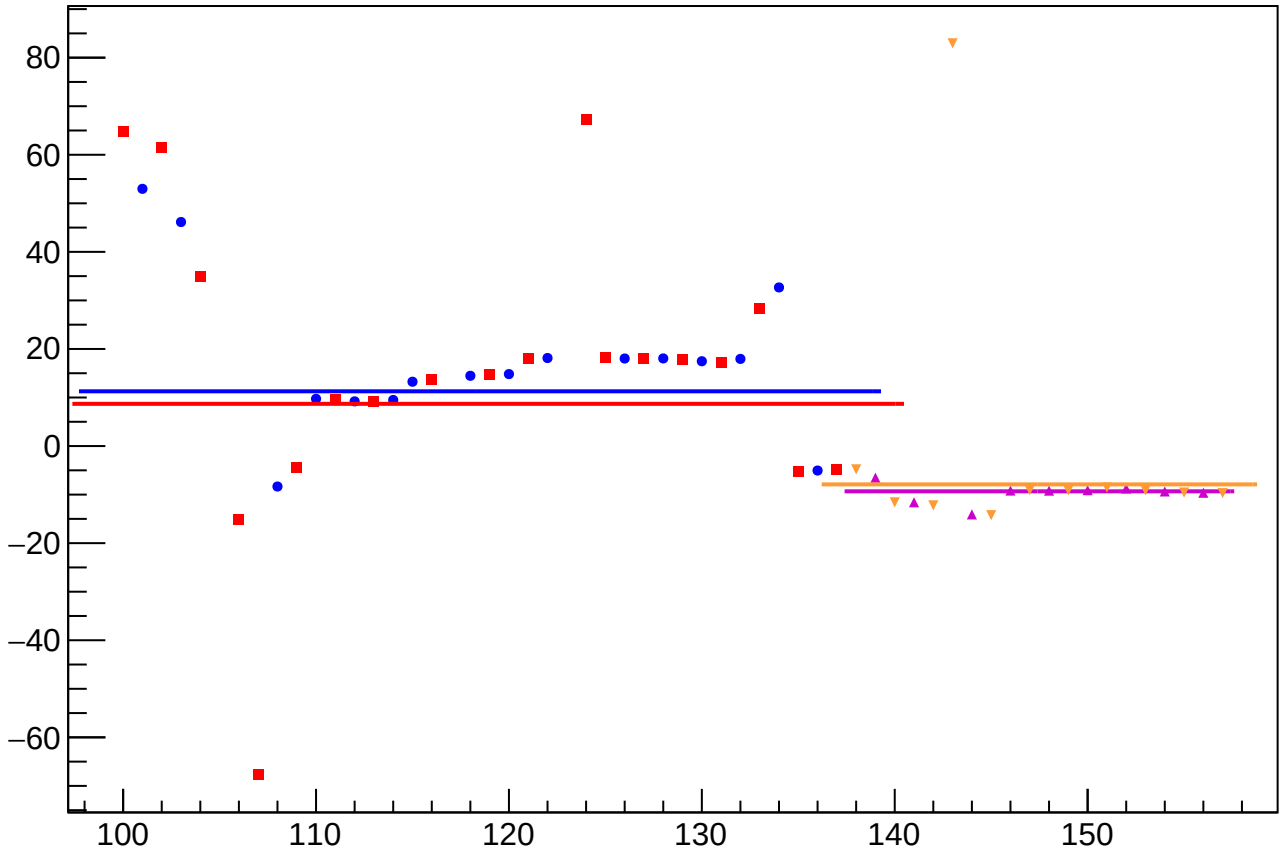
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.279+/-0.393 χ^2/NDF:47.2/8

\+ sign -0.578+/-0.304 χ^2/NDF: 1471.9/26

All: -0.716+/-0.218 χ^2/NDF: 2850.3/54

\- sign -0.862+/-0.313 χ^2/NDF: 1378.0/27



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.894+/-0.017 χ^2/NDF:476479.1/10

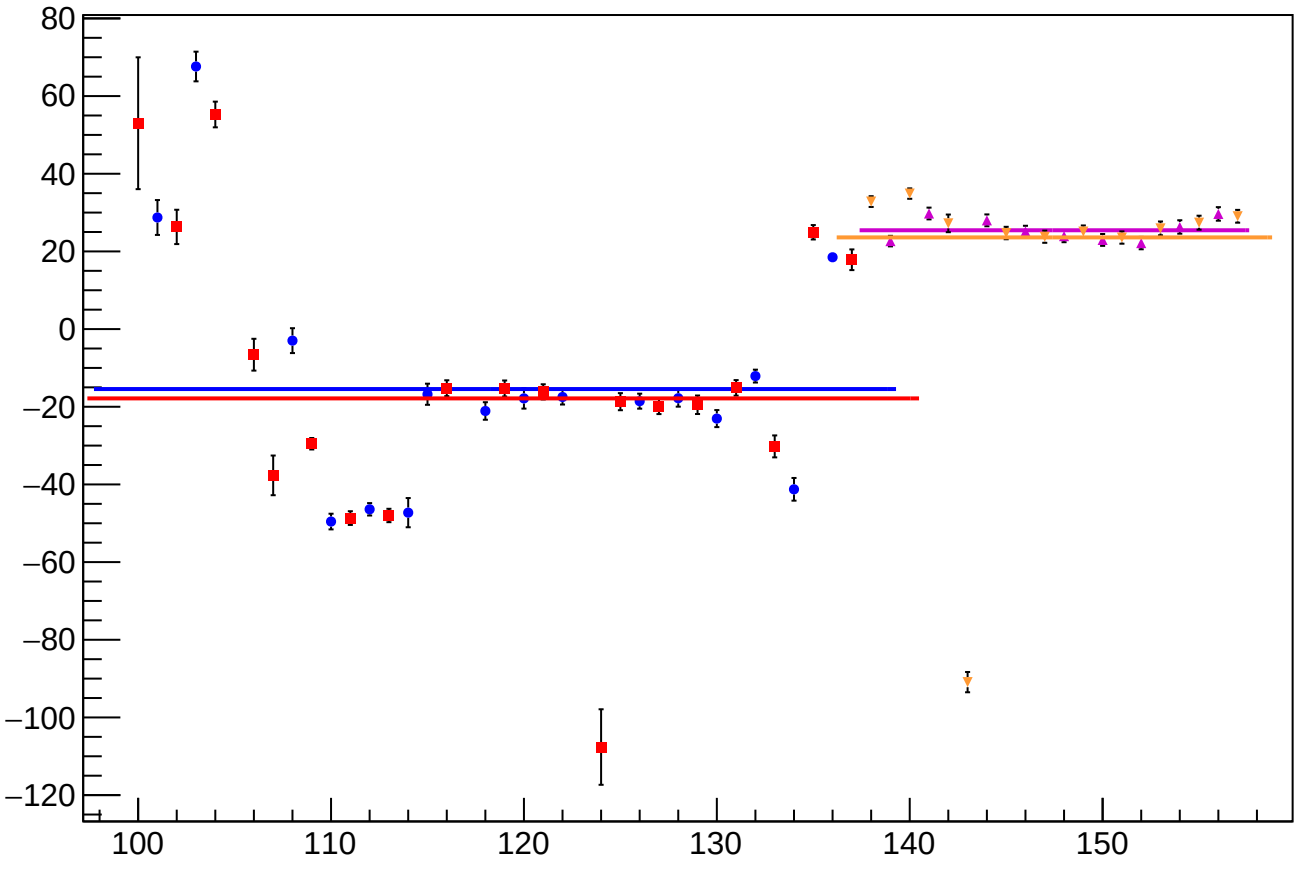
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.323+/-0.018 χ^2/NDF:10247.7/8

+ sign -3.019+/-0.015 χ^2/NDF: 1131927.7/26

All: -3.992+/-0.011 χ^2/NDF: 1836899.6/54

- sign -5.003+/-0.015 χ^2/NDF: 696492.3/27



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.610+/-0.499 χ^2/NDF:2057.7/10

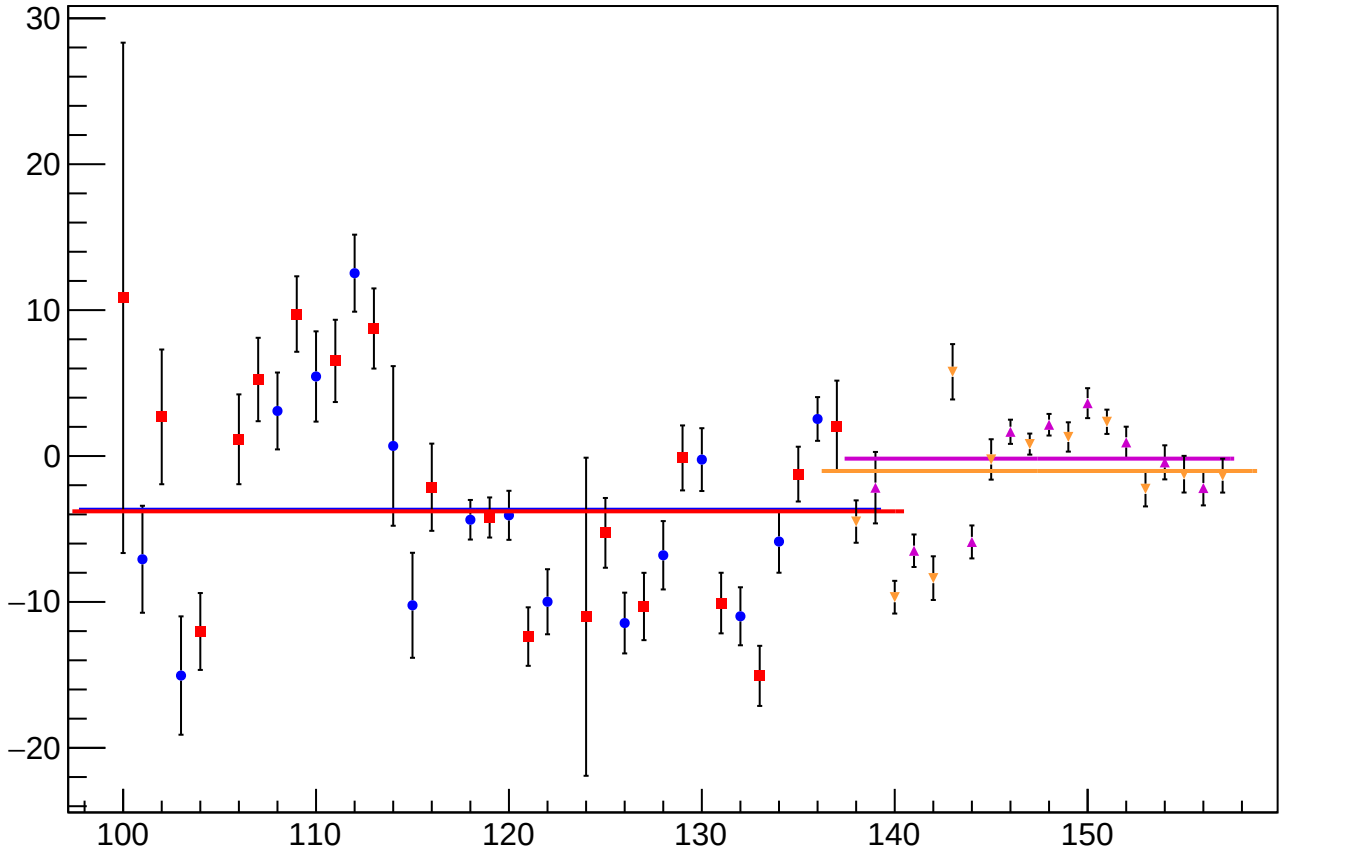
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

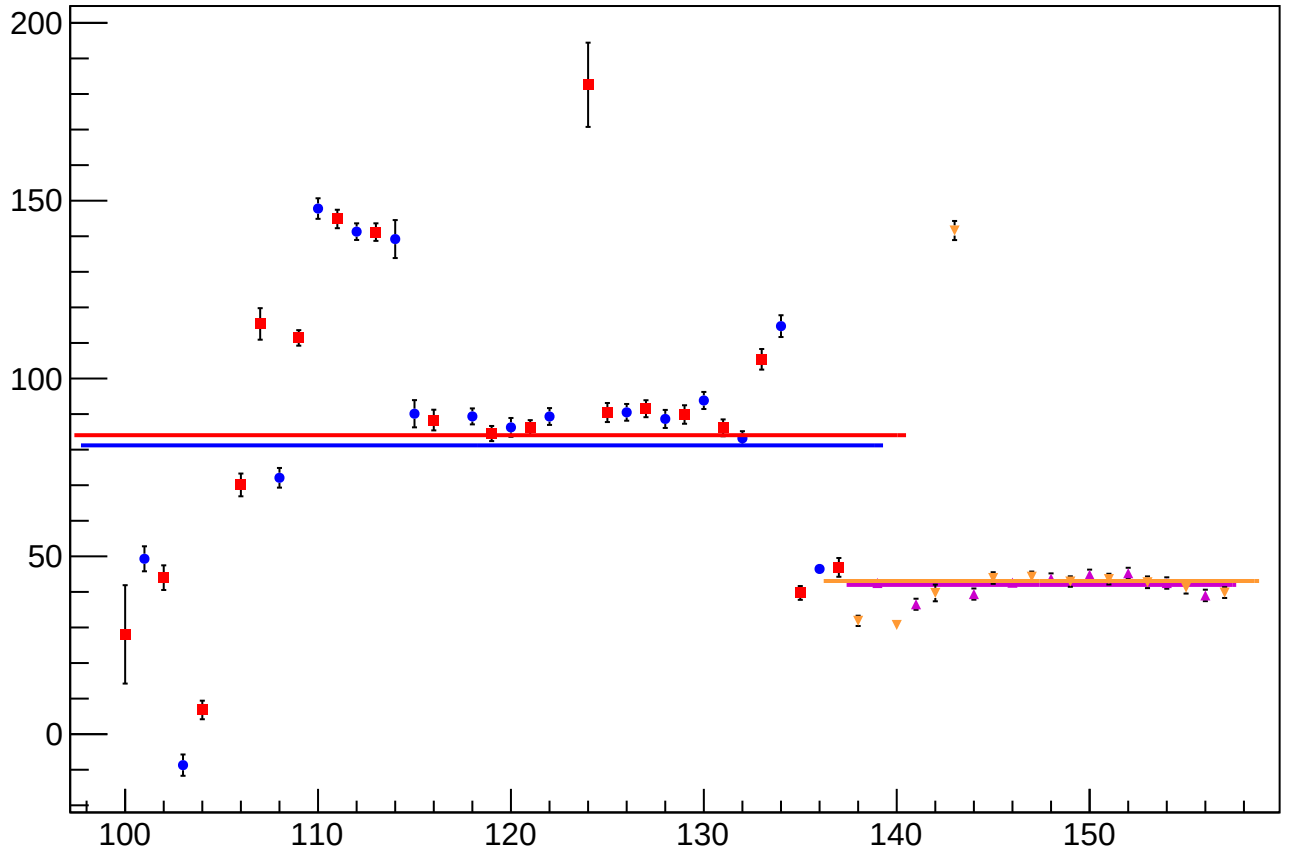
Left In: 25.448+/-0.516 χ^2/NDF:29.1/8

+ sign 5.575+/-0.366 χ^2/NDF: 7005.7/26

All: 4.980+/-0.260 χ^2/NDF: 12595.2/54

- sign 4.374+/-0.370 χ^2/NDF: 5584.2/27


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.025+/-0.335 χ²/NDF:131.9/10
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.179+/-0.347 χ²/NDF:90.7/8
+ sign -1.738+/-0.286 χ²/NDF: 272.8/26
All: -1.465+/-0.206 χ²/NDF: 556.4/54
- sign -1.173+/-0.296 χ²/NDF: 281.7/27



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.070+/-0.486 χ^2/NDF:1494.8/10

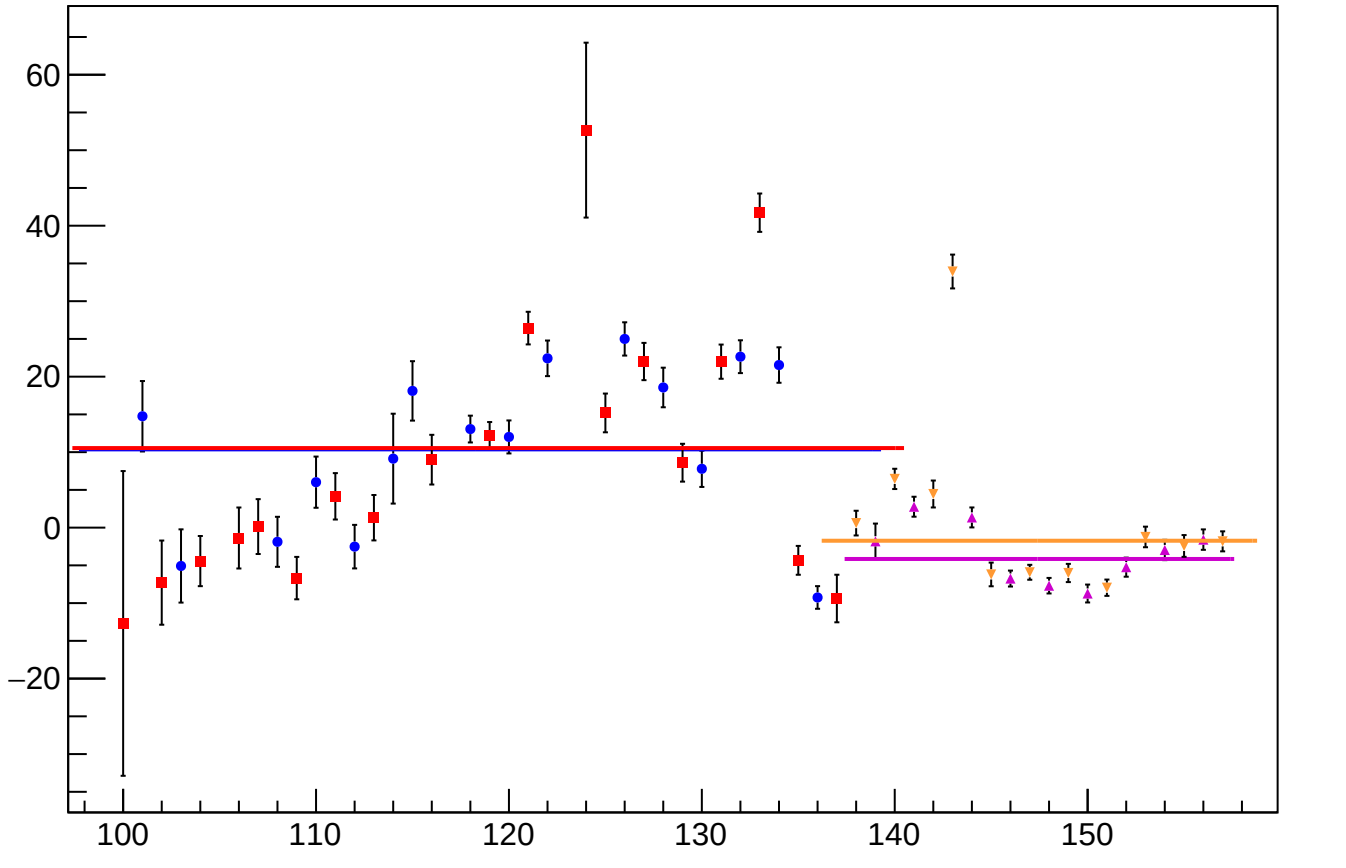
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.973+/-0.501 χ^2/NDF:28.9/8

+ sign 57.970+/-0.379 χ^2/NDF: 7129.4/26

All: 58.340+/-0.272 χ^2/NDF: 13174.7/54

- sign 58.729+/-0.389 χ^2/NDF: 6043.4/27



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.736+/-0.408 χ^2/NDF:376.7/10

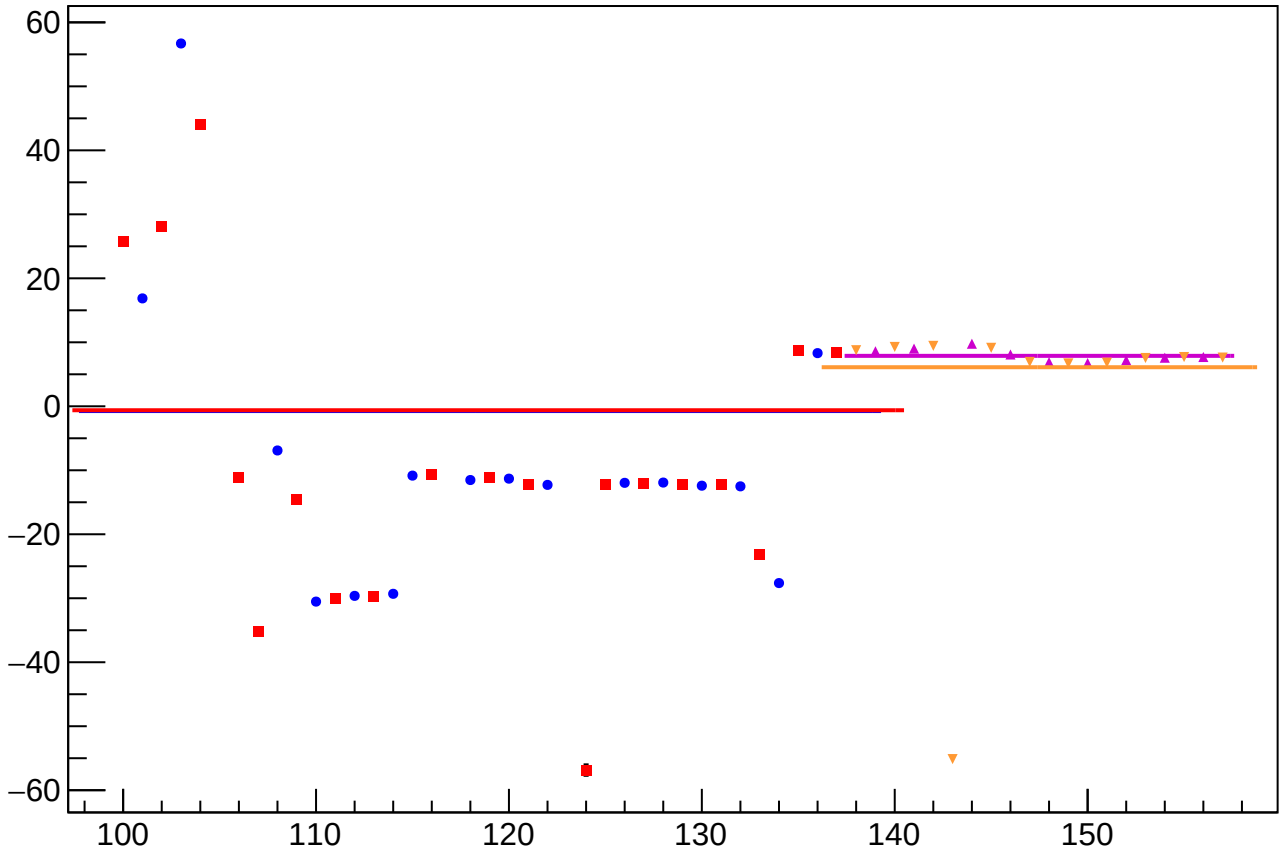
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.152+/-0.423 χ^2/NDF:83.6/8

\+ sign 1.870+/-0.342 χ^2/NDF: 998.4/26

All: 1.112+/-0.246 χ^2/NDF: 1929.6/54

\- sign 0.306+/-0.353 χ^2/NDF: 921.1/27



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.105+/-0.019 χ^2/NDF:311406.5/10

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

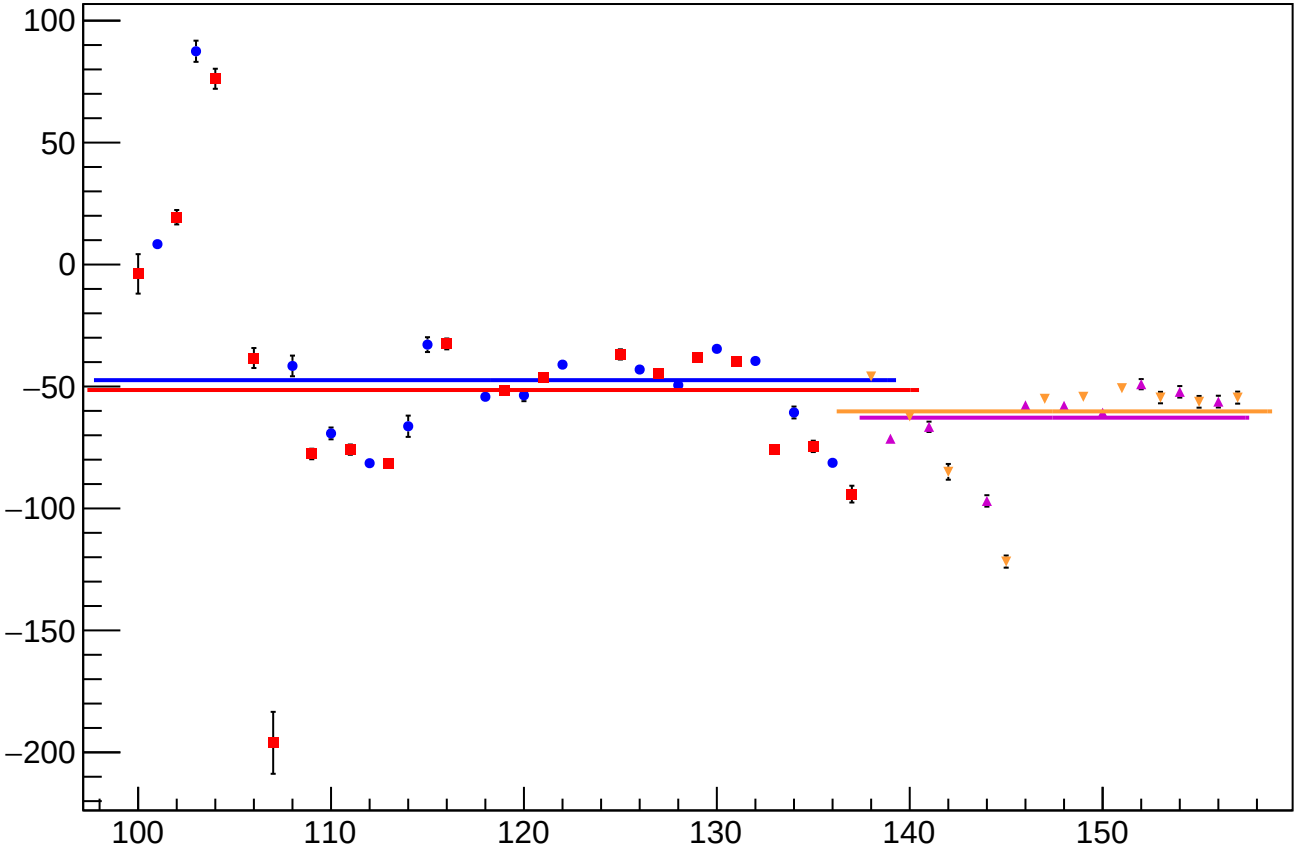
Left In: 7.883+/-0.019 χ^2/NDF:2104.6/8

+ sign 4.634+/-0.017 χ^2/NDF: 708020.7/26

All: 5.364+/-0.012 χ^2/NDF: 1071686.4/54

- sign 6.125+/-0.017 χ^2/NDF: 359729.3/27

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -60.204+/-0.673 χ^2/NDF:790.6/9

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

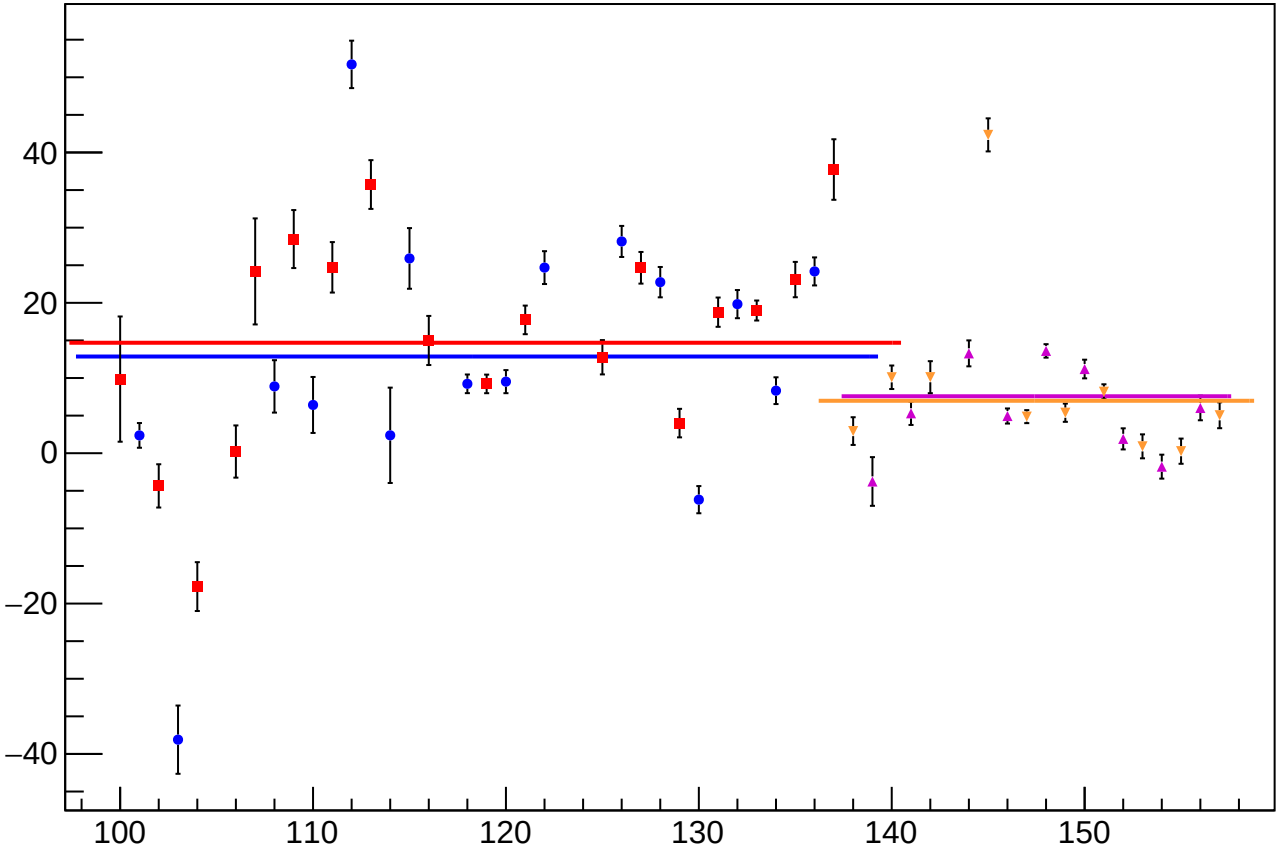
Left In: -62.787+/-0.679 χ^2/NDF:324.6/8

\+ sign -52.360+/-0.419 χ^2/NDF: 3781.6/25

All: -54.101+/-0.298 χ^2/NDF: 7183.8/52

\- sign -55.893+/-0.425 χ^2/NDF: 3367.2/26

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.973+/-0.437 χ^2/NDF:310.3/9

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

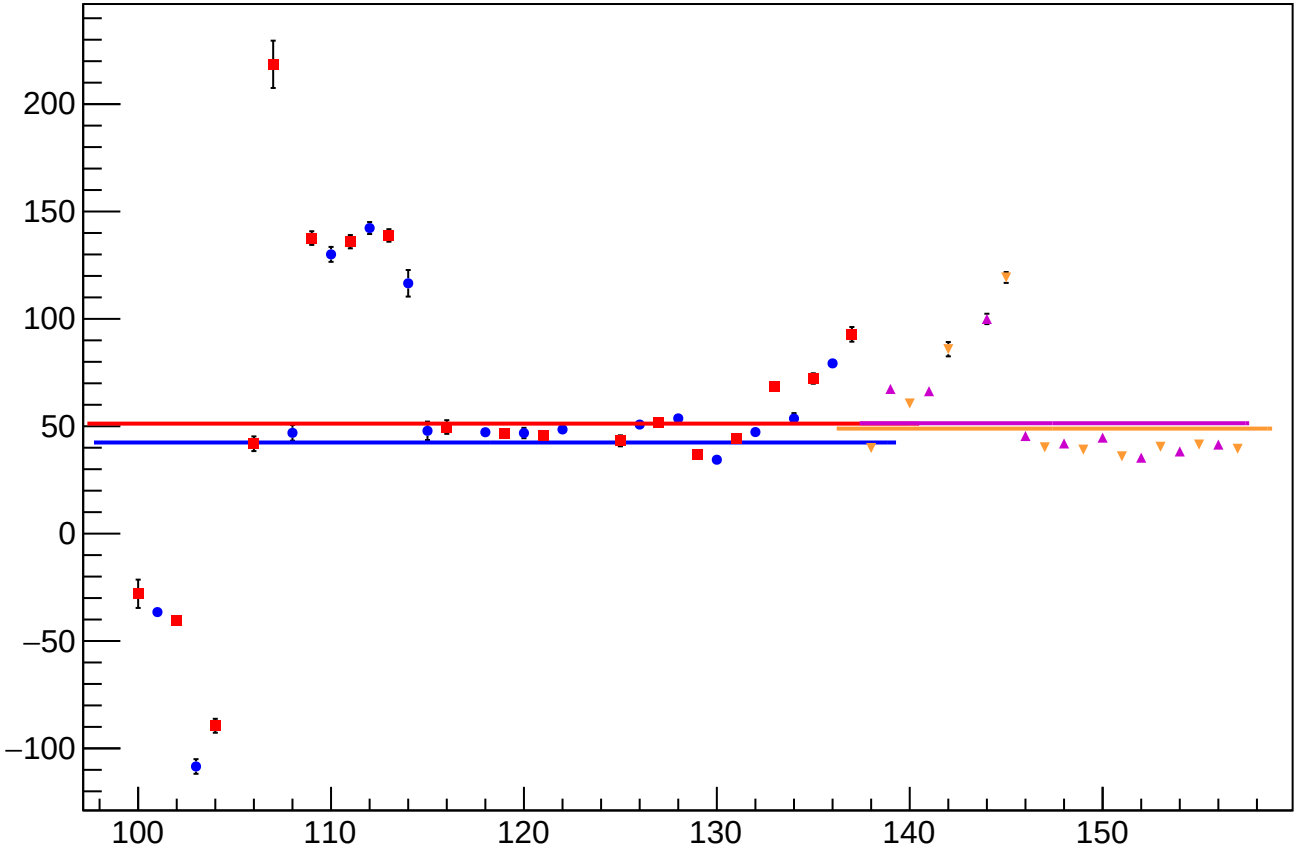
Left In: 7.574+/-0.447 χ^2/NDF:137.7/8

+ sign 9.414+/-0.334 χ^2/NDF: 1011.2/25

All: 9.910+/-0.240 χ^2/NDF: 1619.7/52

- sign 10.440+/-0.345 χ^2/NDF: 603.9/26

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 48.908+/-0.651 χ^2/NDF:1113.5/9

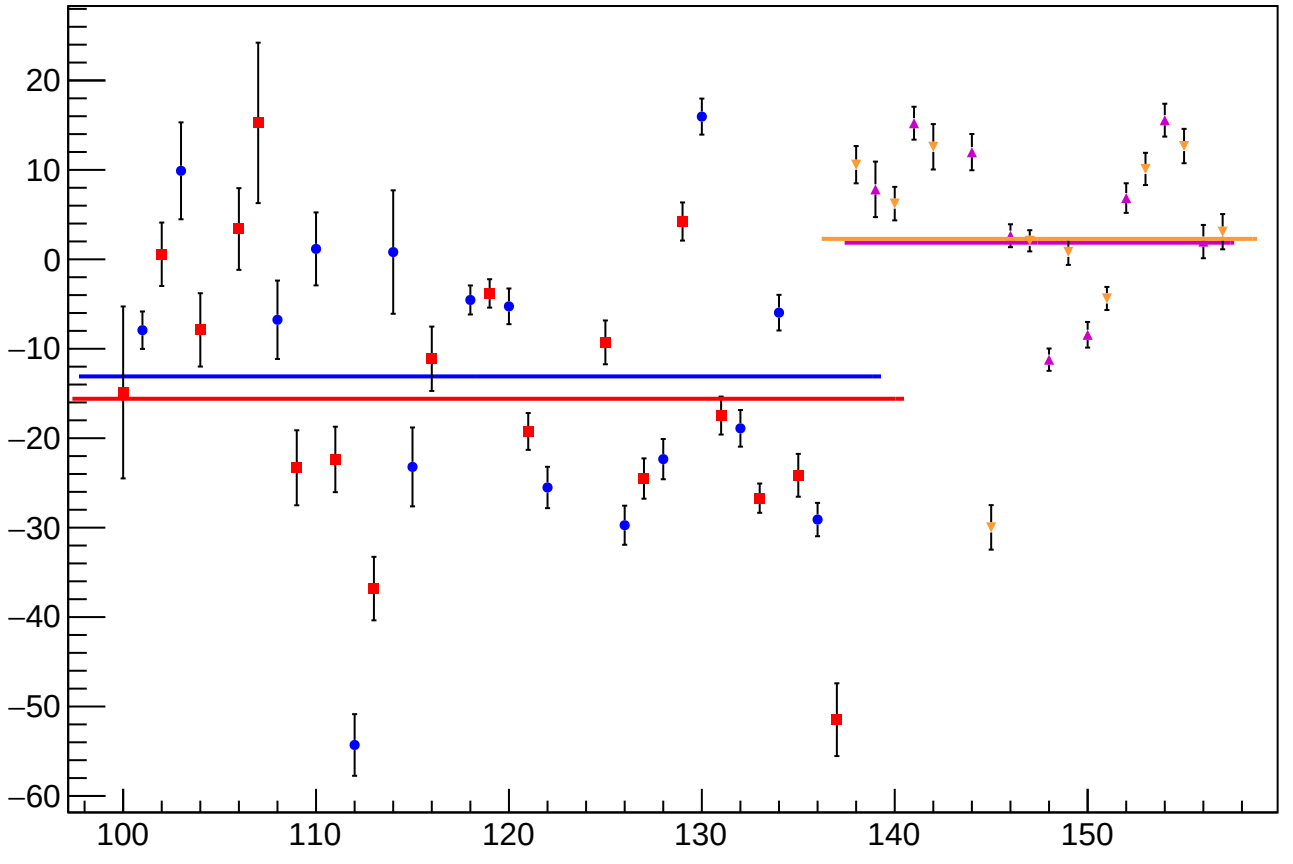
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 51.409+/-0.657 χ^2/NDF:700.4/8

\+ sign 45.322+/-0.435 χ^2/NDF: 8337.1/25

All: 48.222+/-0.312 χ^2/NDF: 15740.6/52

\- sign 51.311+/-0.449 χ^2/NDF: 7311.7/26



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.290+/-0.538 χ^2/NDF:280.4/9

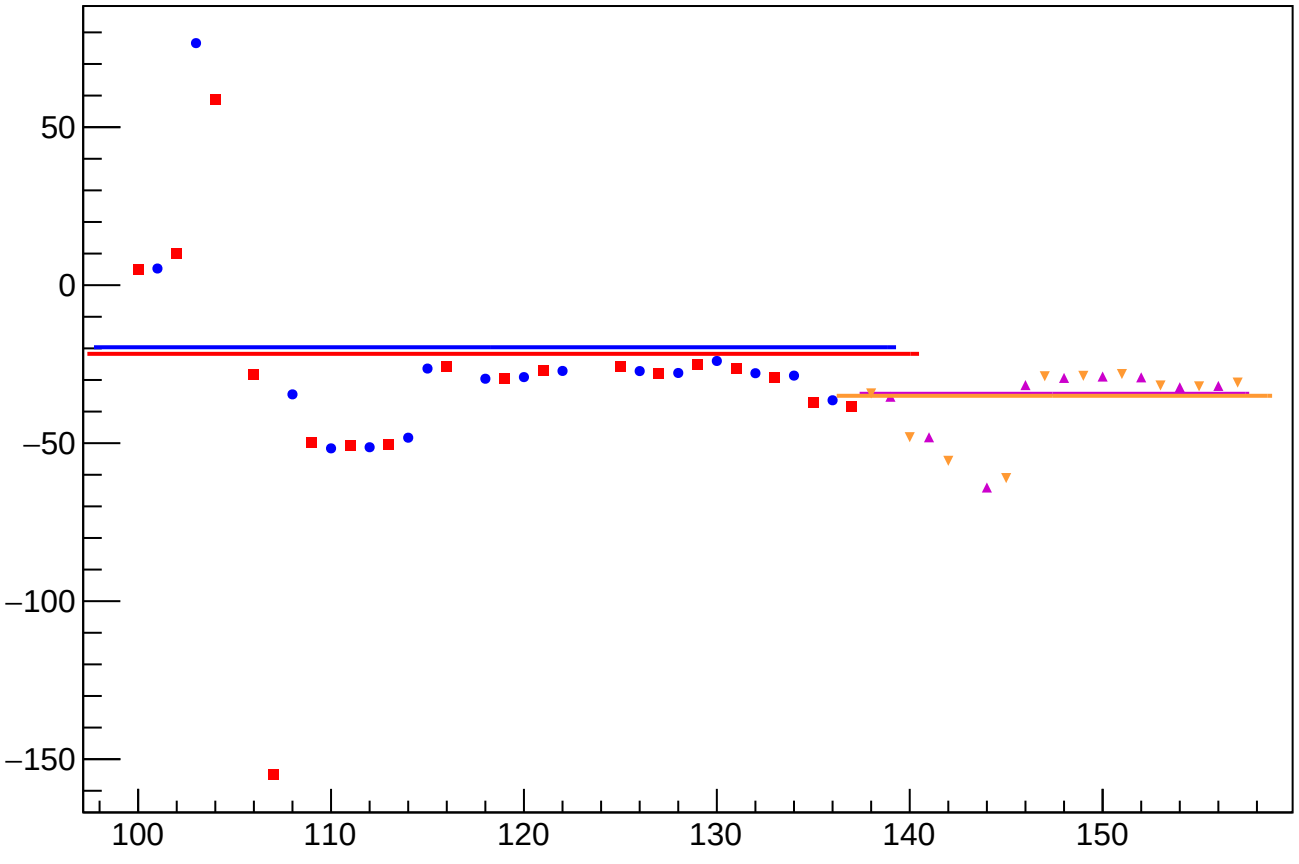
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.859+/-0.548 χ^2/NDF:307.9/8

+ sign -4.575+/-0.401 χ^2/NDF: 1284.4/25

All: -5.120+/-0.287 χ^2/NDF: 2437.1/52

- sign -5.698+/-0.413 χ^2/NDF: 1148.9/26



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -35.004+/-0.025 χ^2/NDF:144424.8/9

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

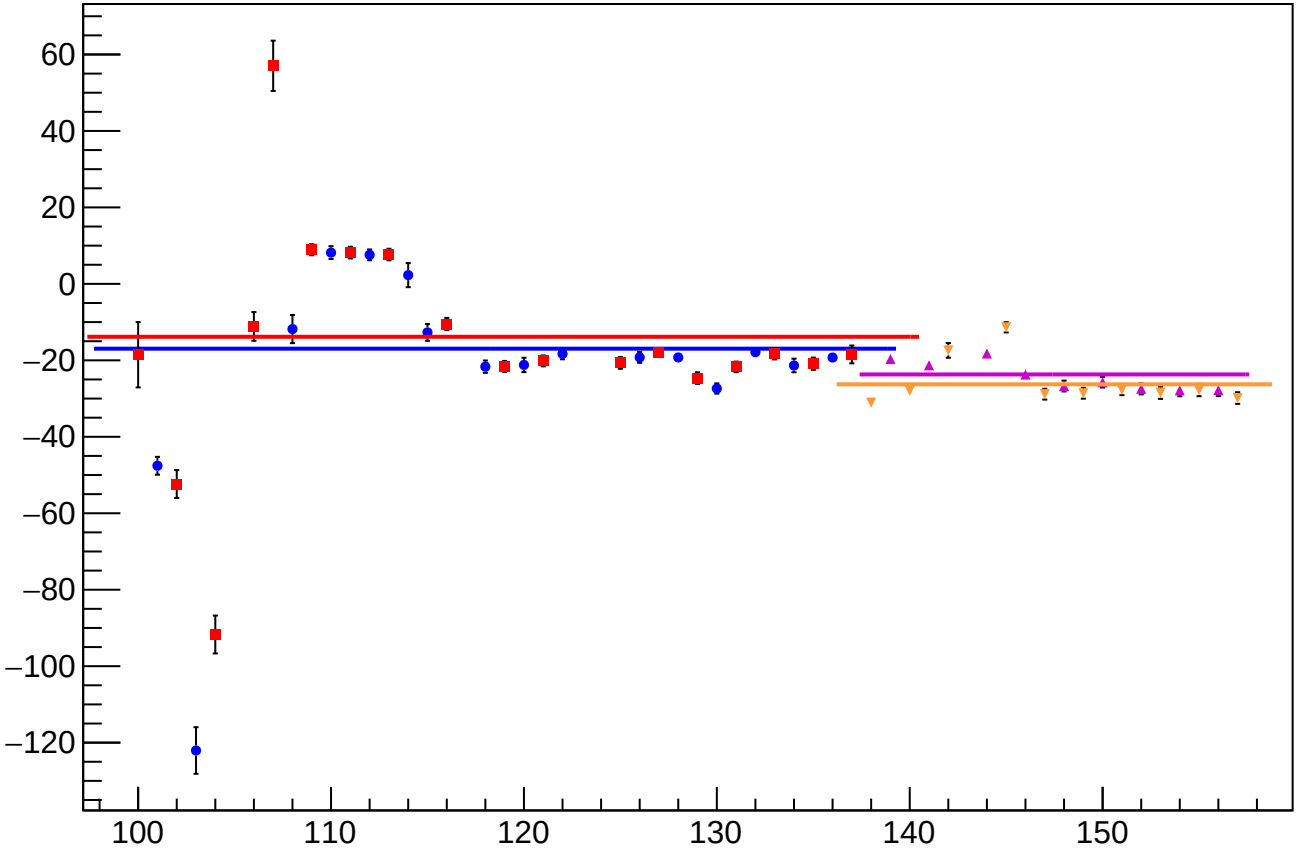
Left In: -34.374+/-0.025 χ^2/NDF:118899.0/8

+ sign -29.939+/-0.021 χ^2/NDF: 912614.8/25

All: -30.295+/-0.015 χ^2/NDF: 1653459.4/52

- sign -30.663+/-0.021 χ^2/NDF: 740244.7/26

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -26.270+/-0.449 χ^2/NDF:179.2/9

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

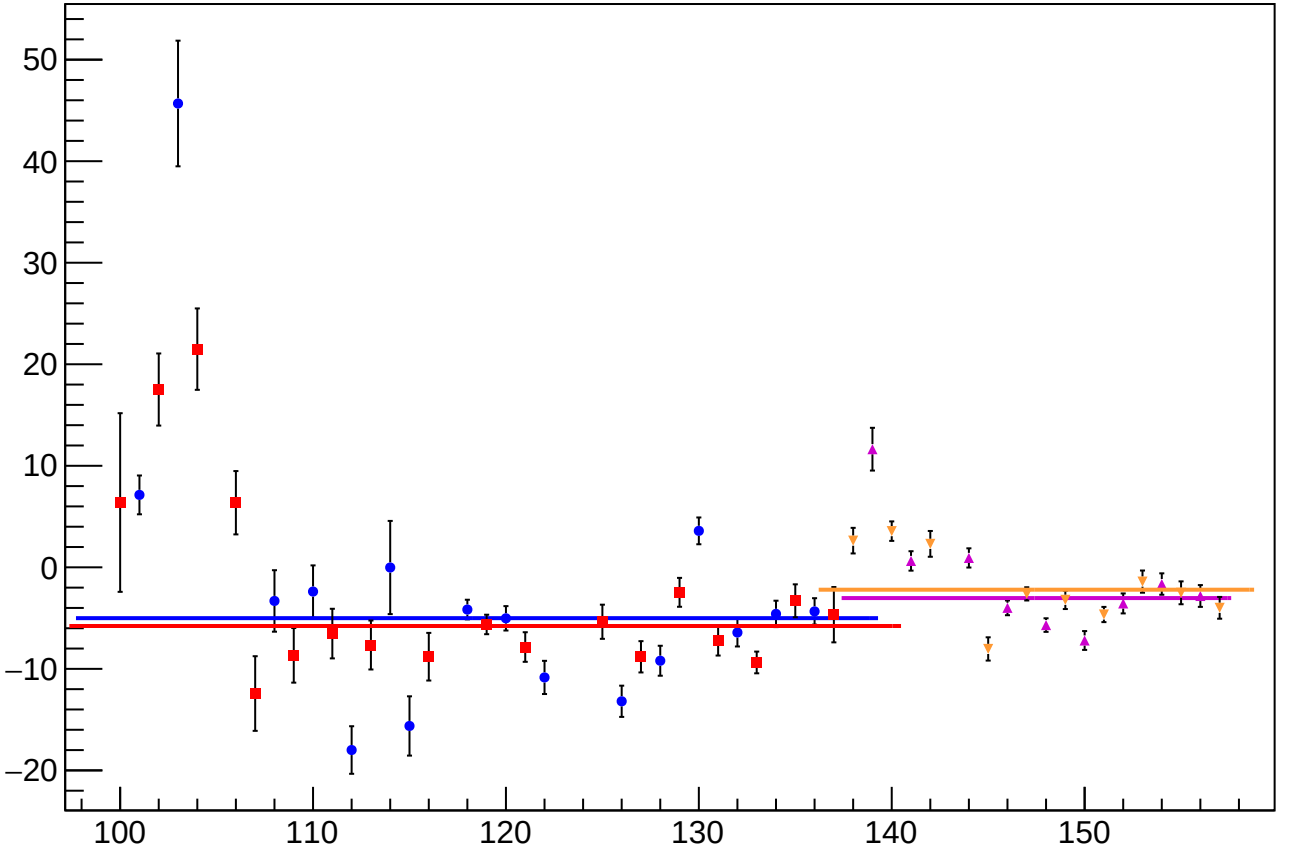
Left In: -23.687+/-0.454 χ^2/NDF:60.9/8

+ sign -21.123+/-0.300 χ^2/NDF: 1545.9/25

All: -19.706+/-0.214 χ^2/NDF: 3244.9/52

- sign -18.252+/-0.304 χ^2/NDF: 1653.8/26

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.204+/-0.302 χ^2/NDF:105.0/9

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

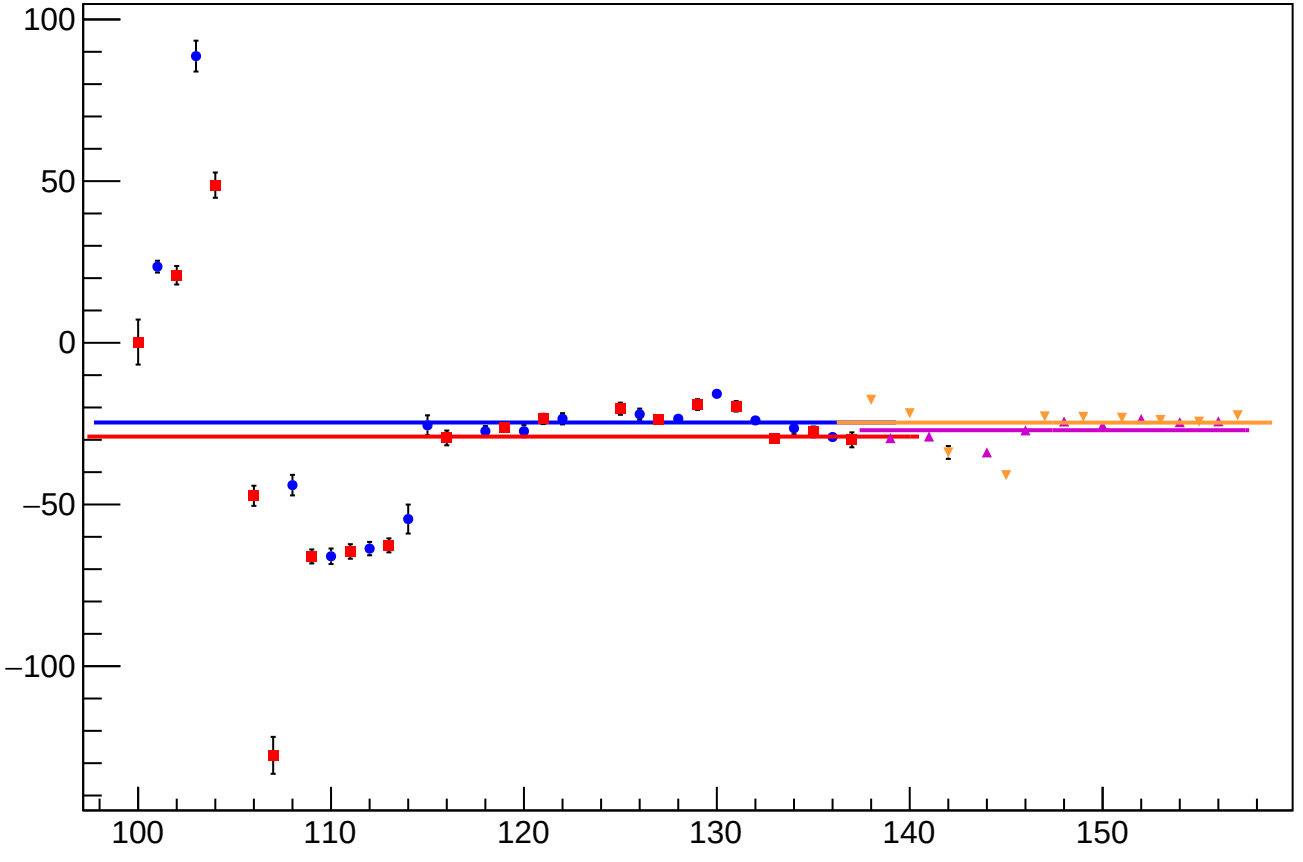
Left In: -3.029+/-0.308 χ^2/NDF:120.5/8

+ sign -3.218+/-0.241 χ^2/NDF: 383.9/25

All: -3.594+/-0.173 χ^2/NDF: 676.6/52

- sign -3.994+/-0.248 χ^2/NDF: 287.7/26

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.677+/-0.437 χ^2/NDF:209.8/9

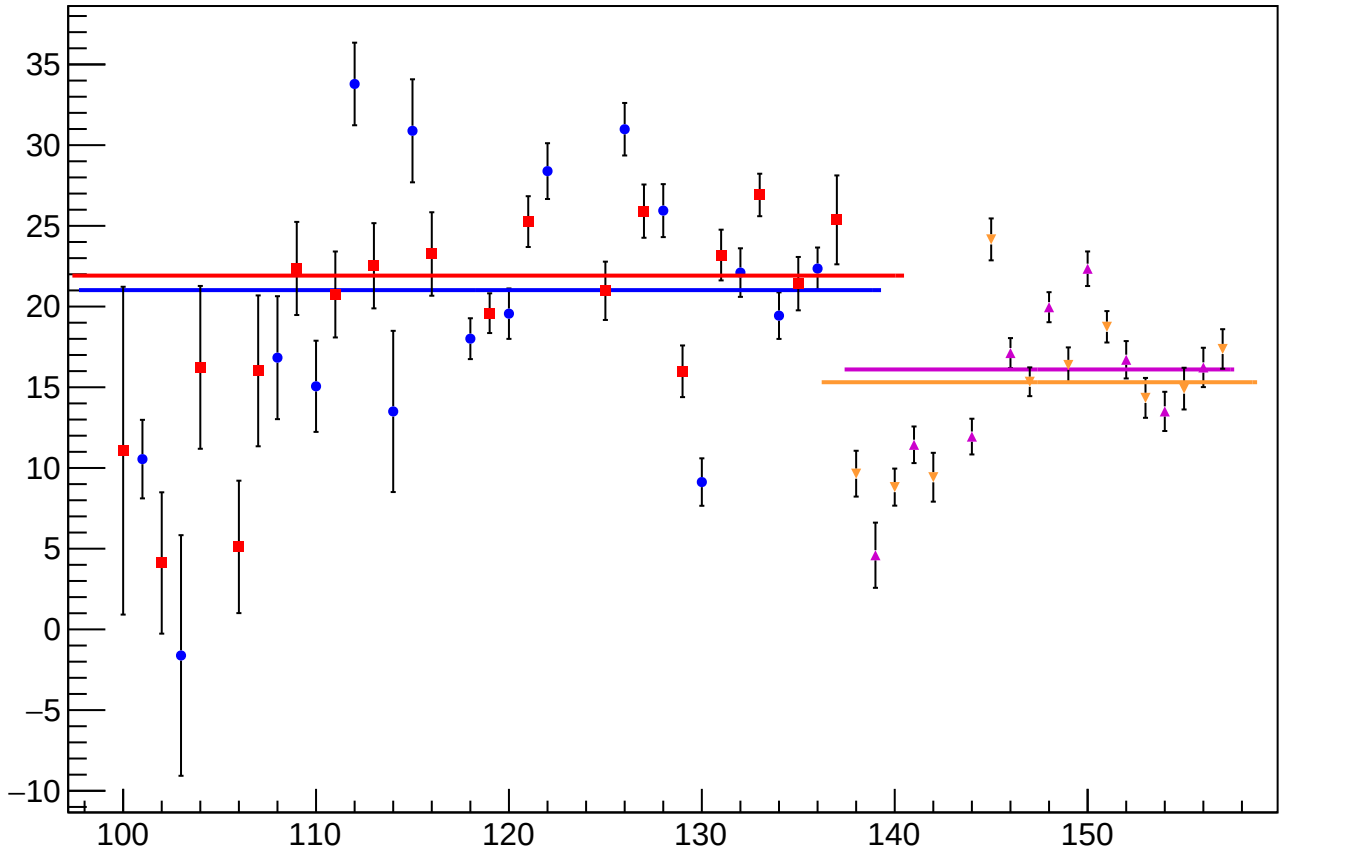
Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -27.030+/-0.442 χ^2/NDF:51.5/8

+ sign -24.660+/-0.315 χ^2/NDF: 2261.6/25

All: -26.259+/-0.226 χ^2/NDF: 4327.5/52

- sign -27.946+/-0.324 χ^2/NDF: 2013.0/26



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.312+/-0.369 χ^2/NDF:126.5/9

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

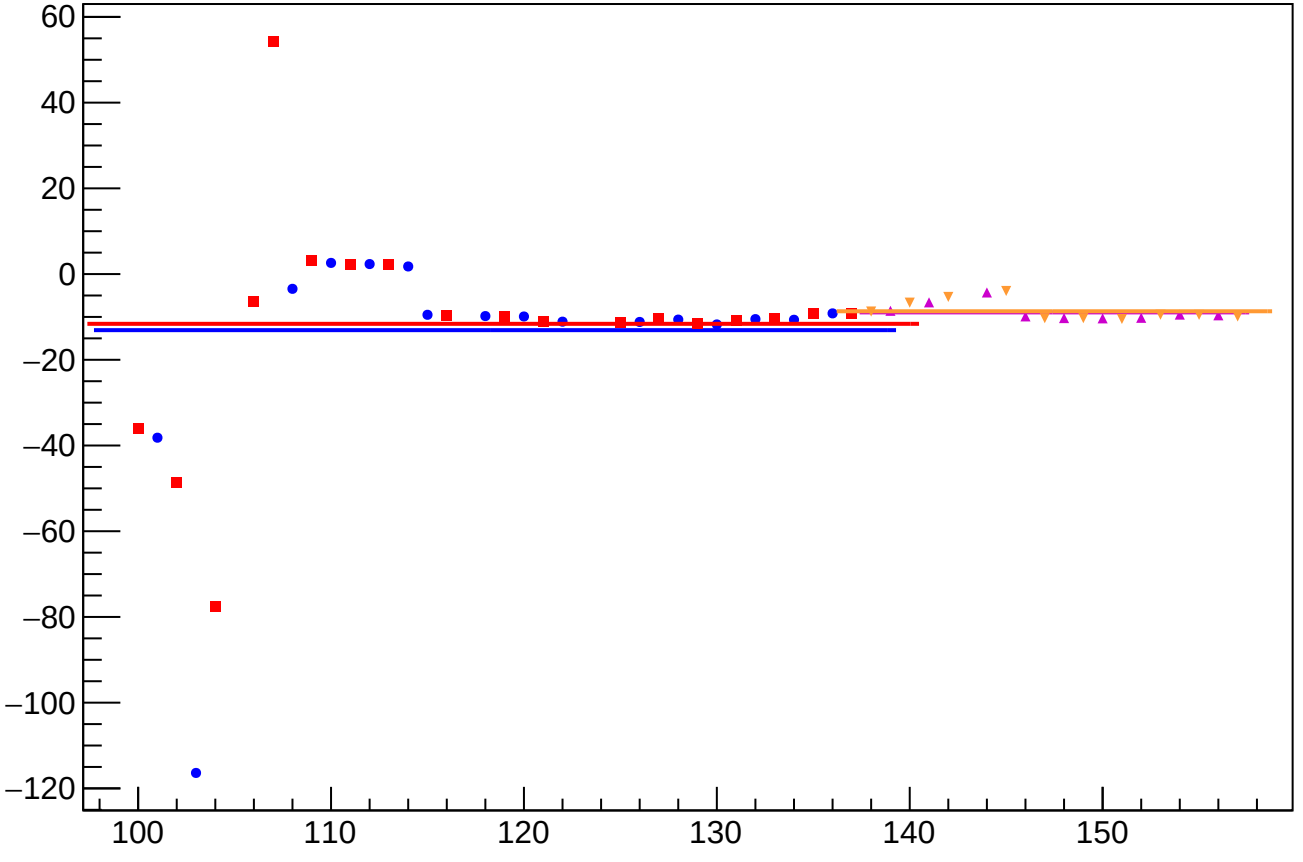
Left In: 16.104+/-0.375 χ^2/NDF:120.7/8

\+ sign 17.554+/-0.287 χ^2/NDF: 430.3/25

All: 17.924+/-0.206 χ^2/NDF: 728.5/52

\- sign 18.313+/-0.295 χ^2/NDF: 294.8/26

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.679+/-0.017 χ^2/NDF:14957.4/9

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

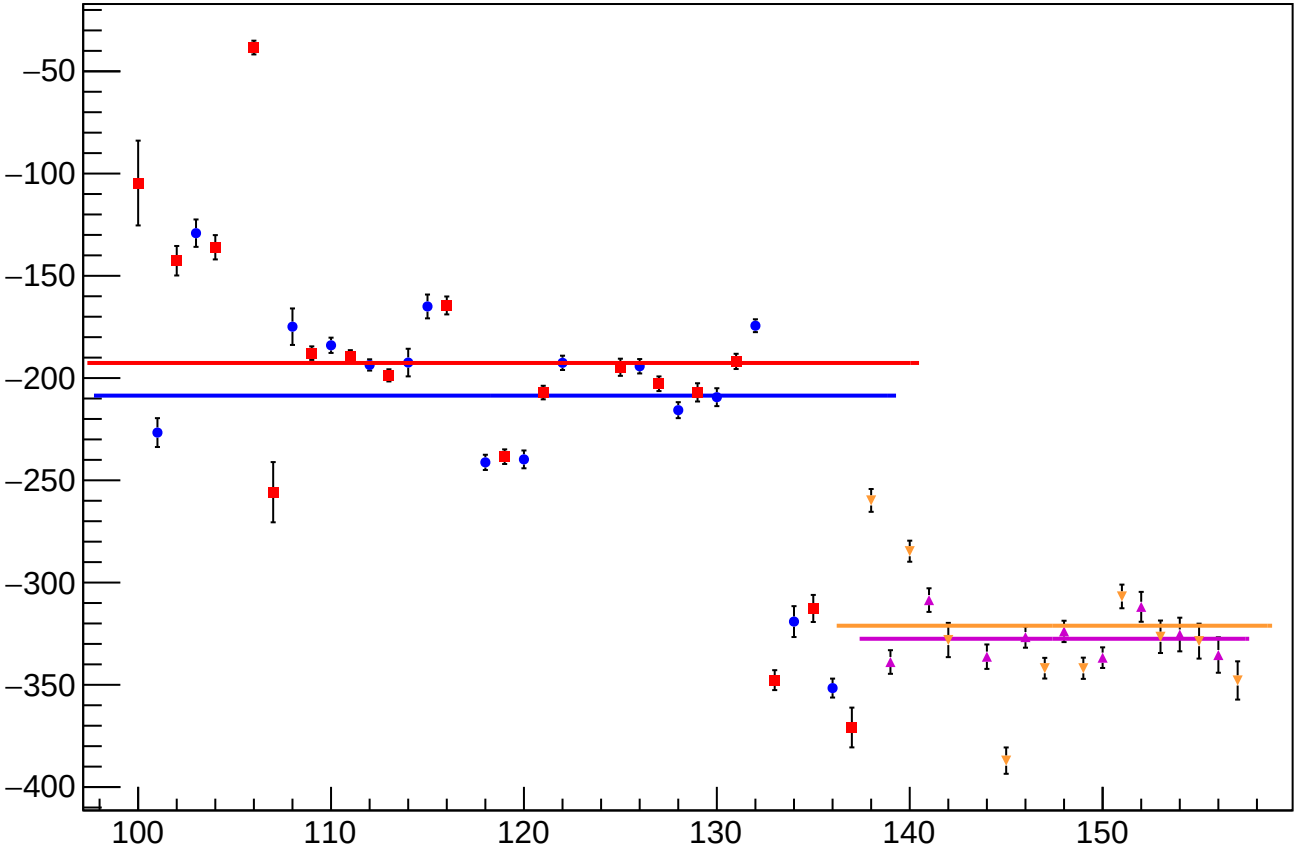
Left In: -8.942+/-0.017 χ^2/NDF:10783.3/8

\+ sign -9.830+/-0.015 χ^2/NDF: 377675.9/25

All: -9.695+/-0.010 χ^2/NDF: 708566.6/52

\- sign -9.555+/-0.015 χ^2/NDF: 330714.1/26

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -321.101+/-1.979 χ^2/NDF:324.7/9

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

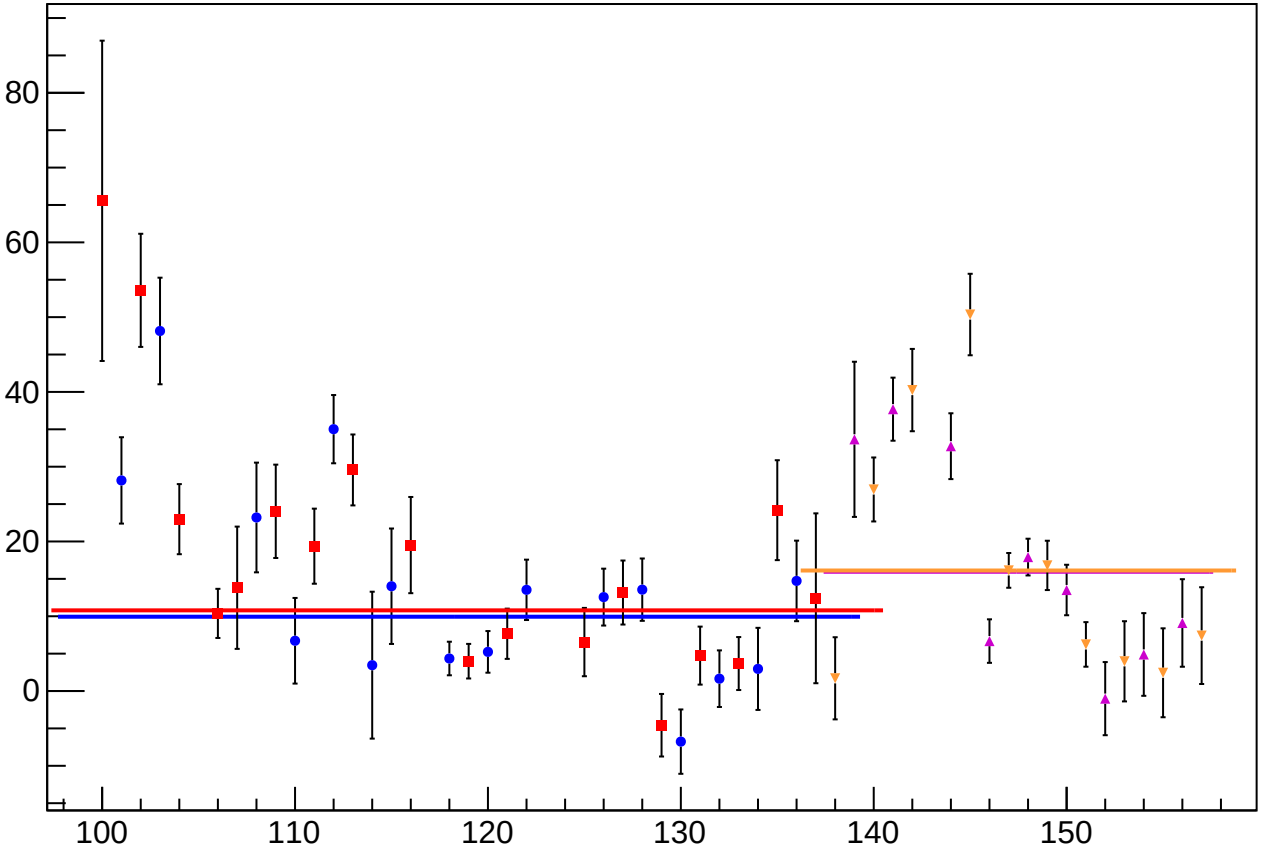
Left In: -327.485+/-2.009 χ^2/NDF:26.1/8

+ sign -233.901+/-0.939 χ^2/NDF: 4579.9/25

All: -226.269+/-0.648 χ^2/NDF: 12552.0/52

- sign -219.344+/-0.894 χ^2/NDF: 7846.0/26

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 16.118+/-1.259 χ^2/NDF:95.3/9

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

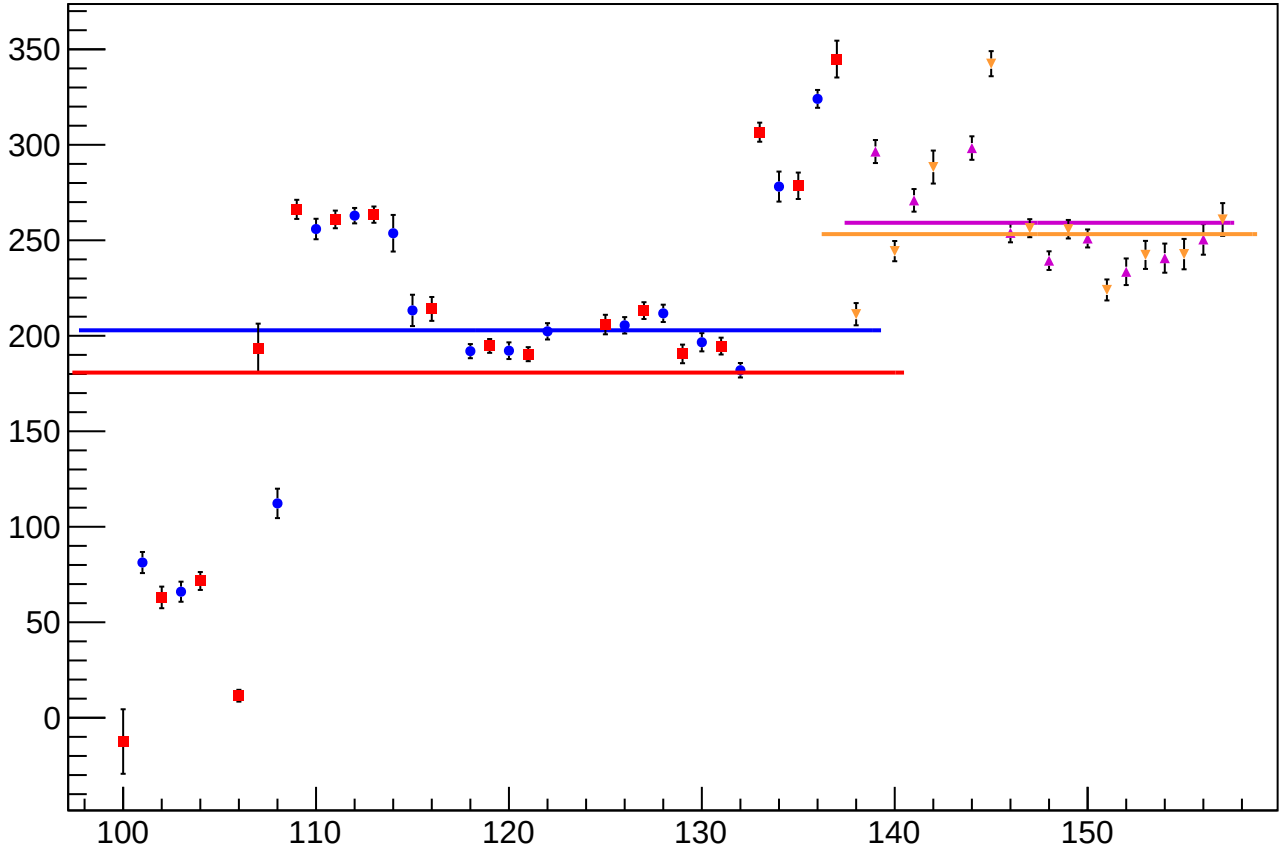
Left In: 15.948+/-1.299 χ^2/NDF:72.8/8

+ sign 12.517+/-0.813 χ^2/NDF: 215.9/25

All: 12.664+/-0.575 χ^2/NDF: 403.4/52

- sign 12.811+/-0.814 χ^2/NDF: 187.4/26

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 253.234+/-1.924 χ^2/NDF:289.2/9

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

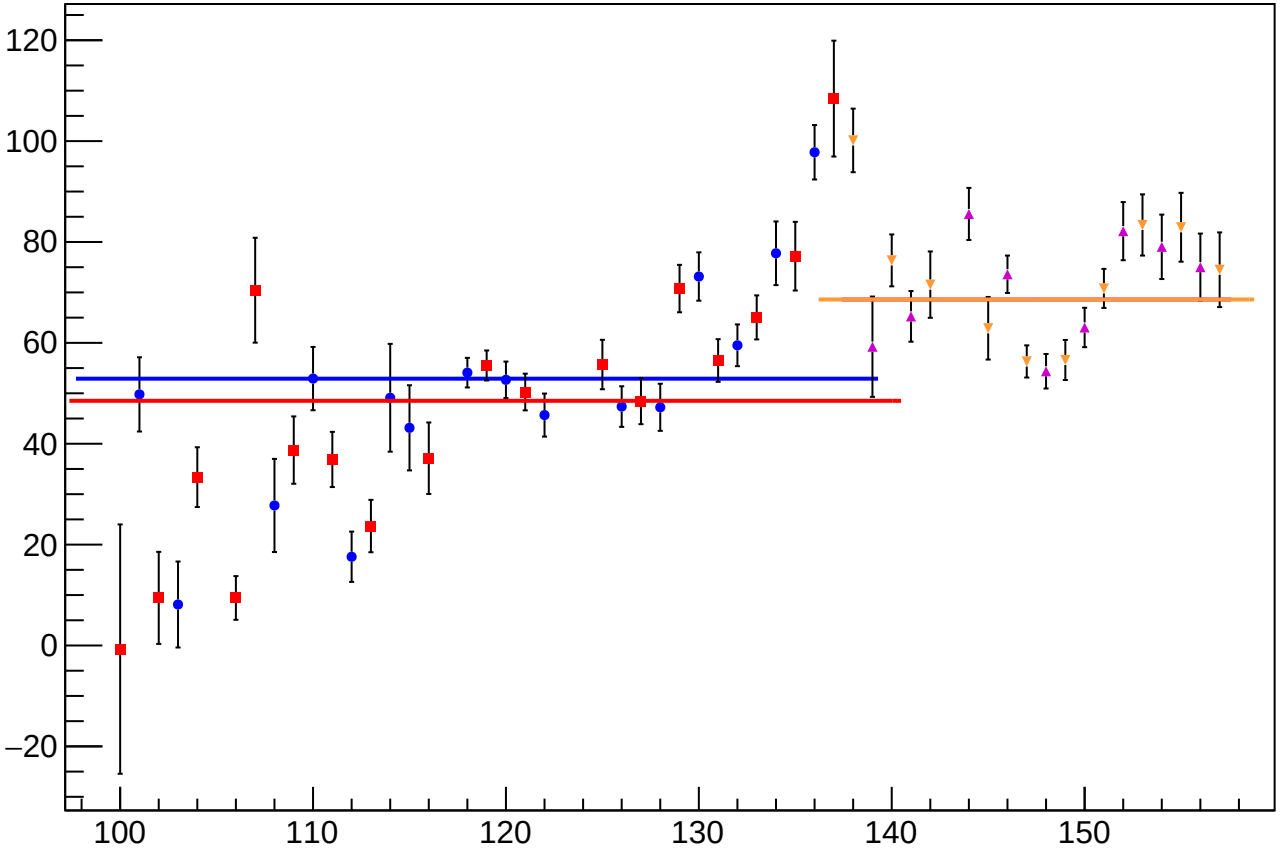
Left In: 259.172+/-1.949 χ^2/NDF:123.9/8

+ sign 217.413+/-1.034 χ^2/NDF: 3240.9/25

All: 208.727+/-0.714 χ^2/NDF: 11052.3/52

- sign 200.816+/-0.986 χ^2/NDF: 7676.5/26

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 68.602+/-1.567 χ^2/NDF:63.6/9

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

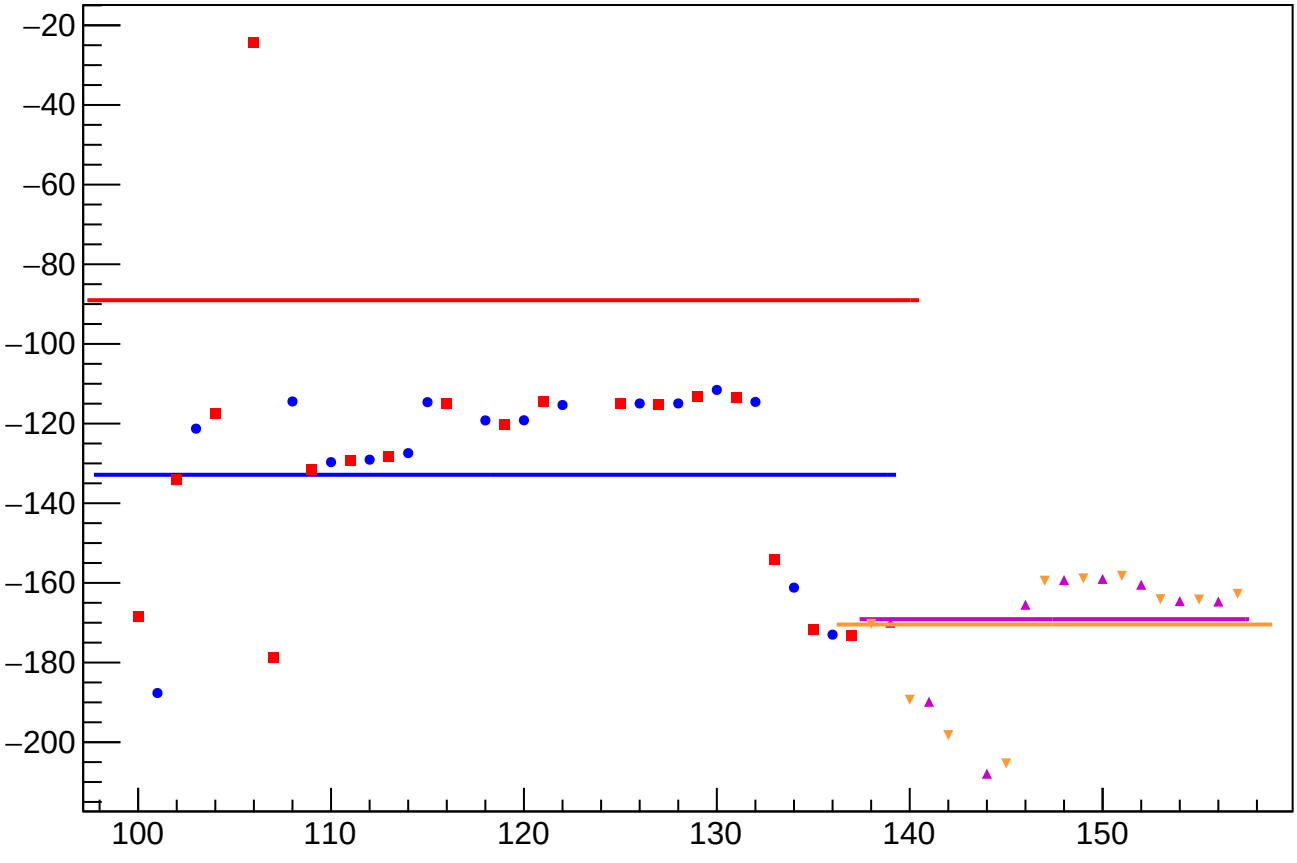
Left In: 68.598+/-1.605 χ^2/NDF:42.4/8

+ sign 58.956+/-0.973 χ^2/NDF: 323.6/25

All: 57.382+/-0.686 χ^2/NDF: 710.8/52

- sign 55.823+/-0.968 χ^2/NDF: 382.0/26

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -170.450+/-0.077 χ^2/NDF:41521.0/9

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

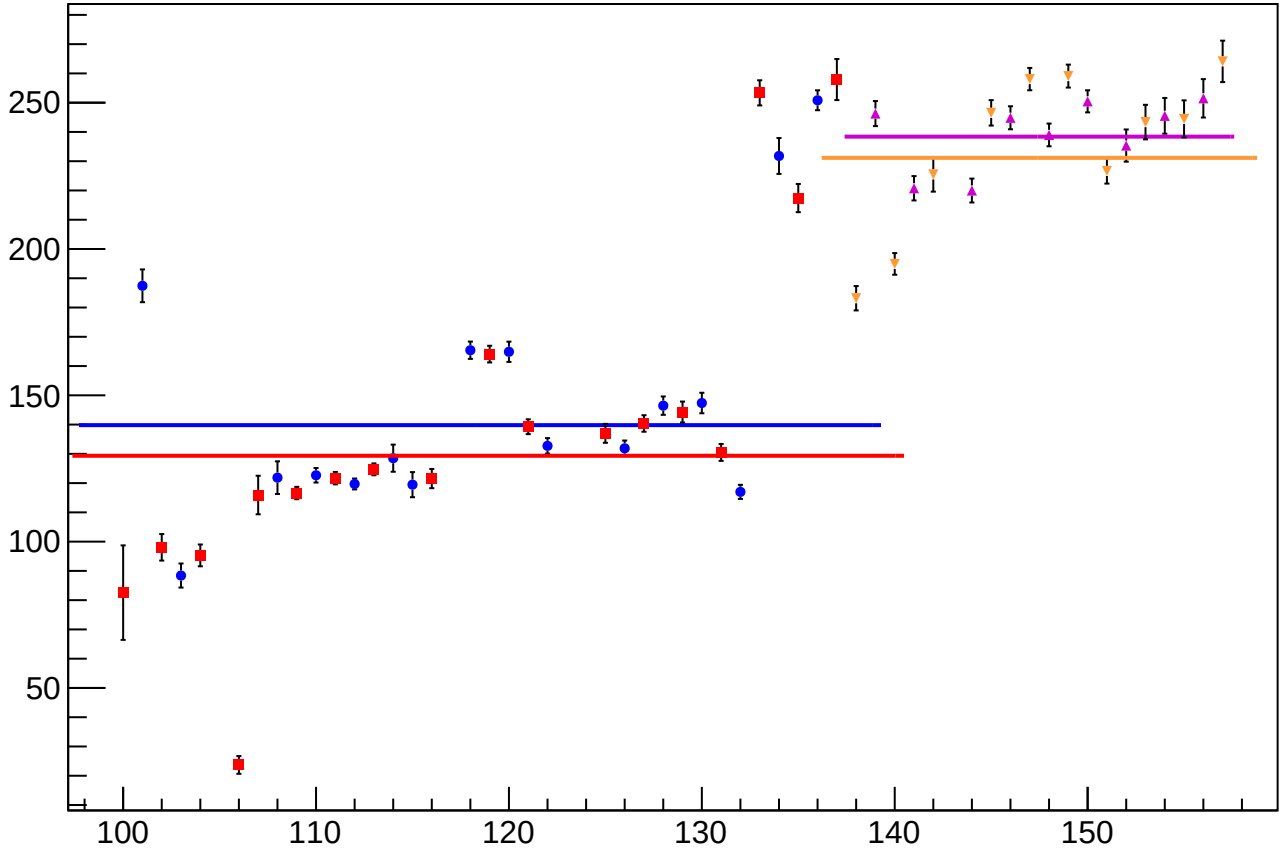
Left In: -169.105+/-0.076 χ^2/NDF:34459.9/8

+ sign -152.699+/-0.056 χ^2/NDF: 247733.3/25

All: -135.528+/-0.037 χ^2/NDF: 1824722.0/52

- sign -122.307+/-0.049 χ^2/NDF: 1409993.5/26

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 231.144+/-1.454 χ^2/NDF:374.2/9

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

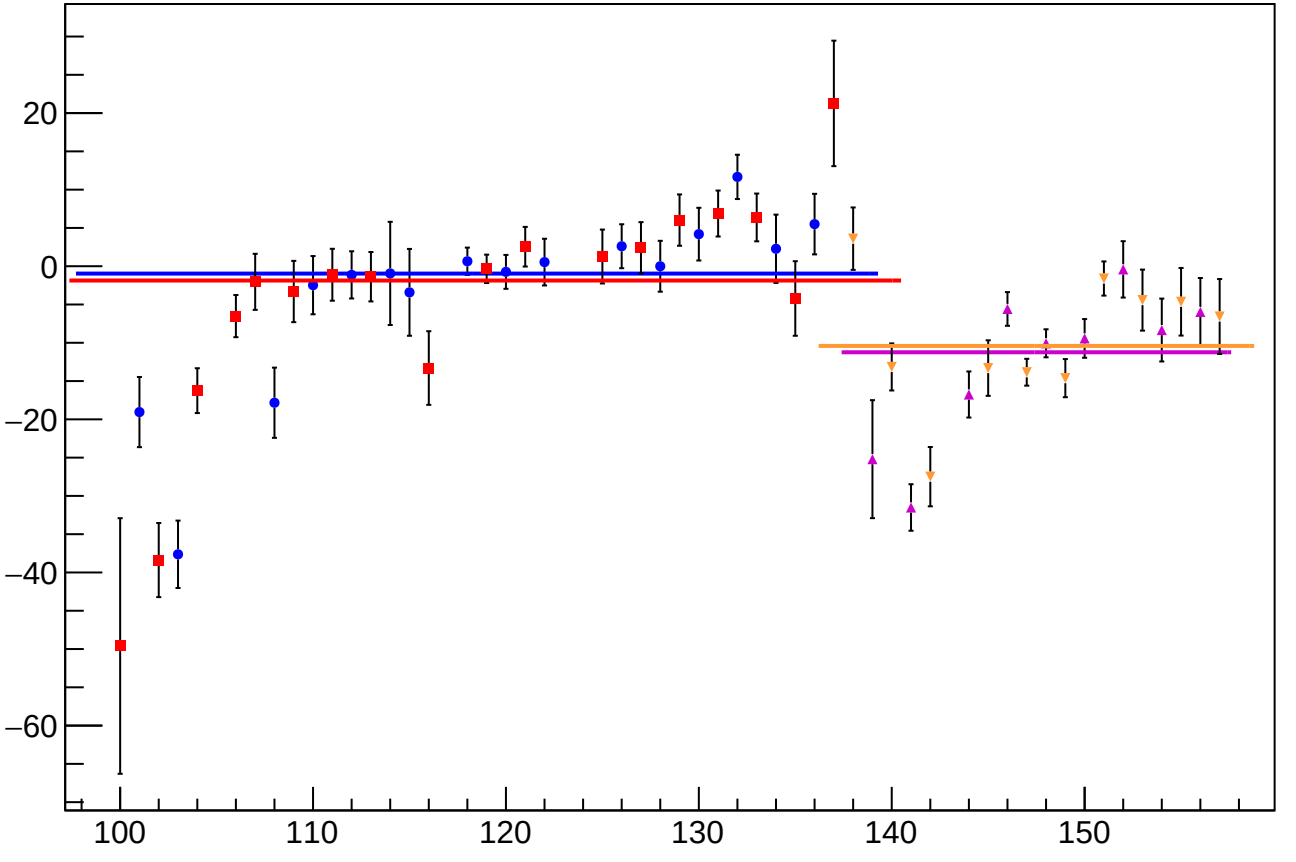
Left In: 238.394+/-1.480 χ^2/NDF:60.3/8

\+ sign 160.412+/-0.690 χ^2/NDF: 5396.0/25

All: 155.418+/-0.476 χ^2/NDF: 13036.8/52

\- sign 150.885+/-0.658 χ^2/NDF: 7540.9/26

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.411+/-0.932 χ^2/NDF:59.5/9

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

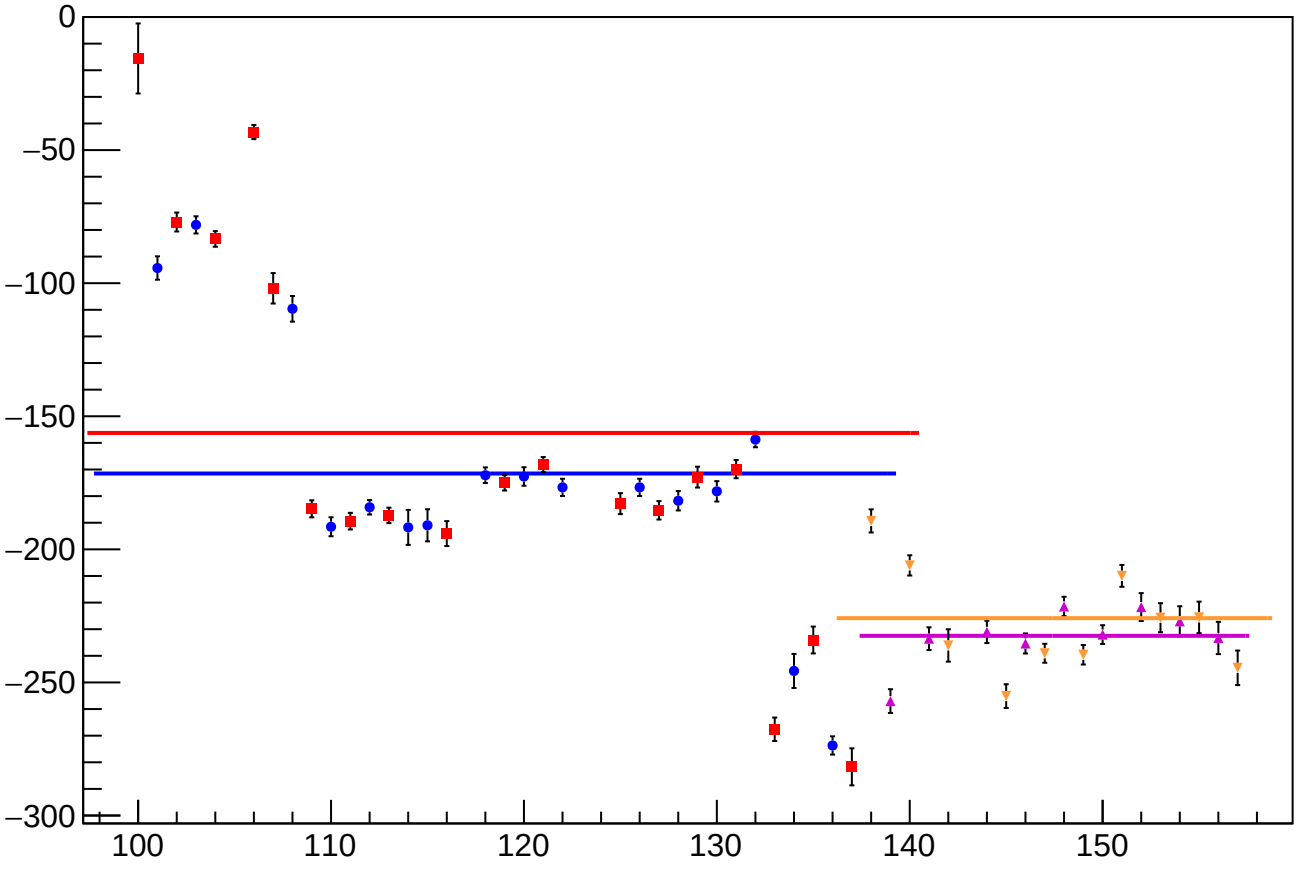
Left In: -11.240+/-0.962 χ^2/NDF:69.3/8

+ sign -5.021+/-0.610 χ^2/NDF: 244.3/25

All: -5.316+/-0.431 χ^2/NDF: 504.3/52

- sign -5.607+/-0.608 χ^2/NDF: 259.5/26

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.847+/-1.417 χ^2/NDF:195.1/9

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

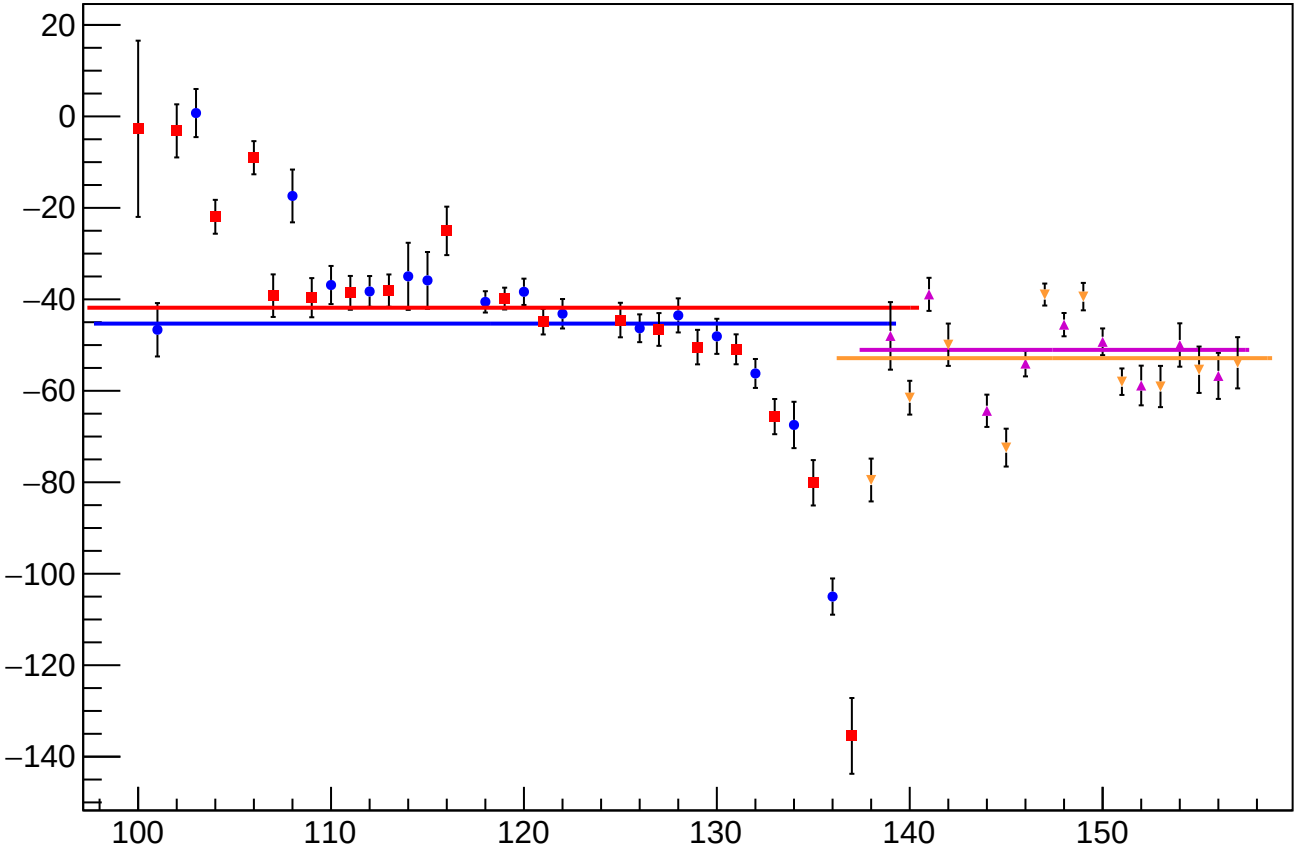
Left In: -232.481+/-1.439 χ^2/NDF:45.4/8

\+ sign -187.301+/-0.764 χ^2/NDF: 3681.7/25

All: -181.340+/-0.528 χ^2/NDF: 10832.3/52

\- sign -175.893+/-0.730 χ^2/NDF: 7033.9/26

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.860+/-1.157 χ^2/NDF:119.5/9

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

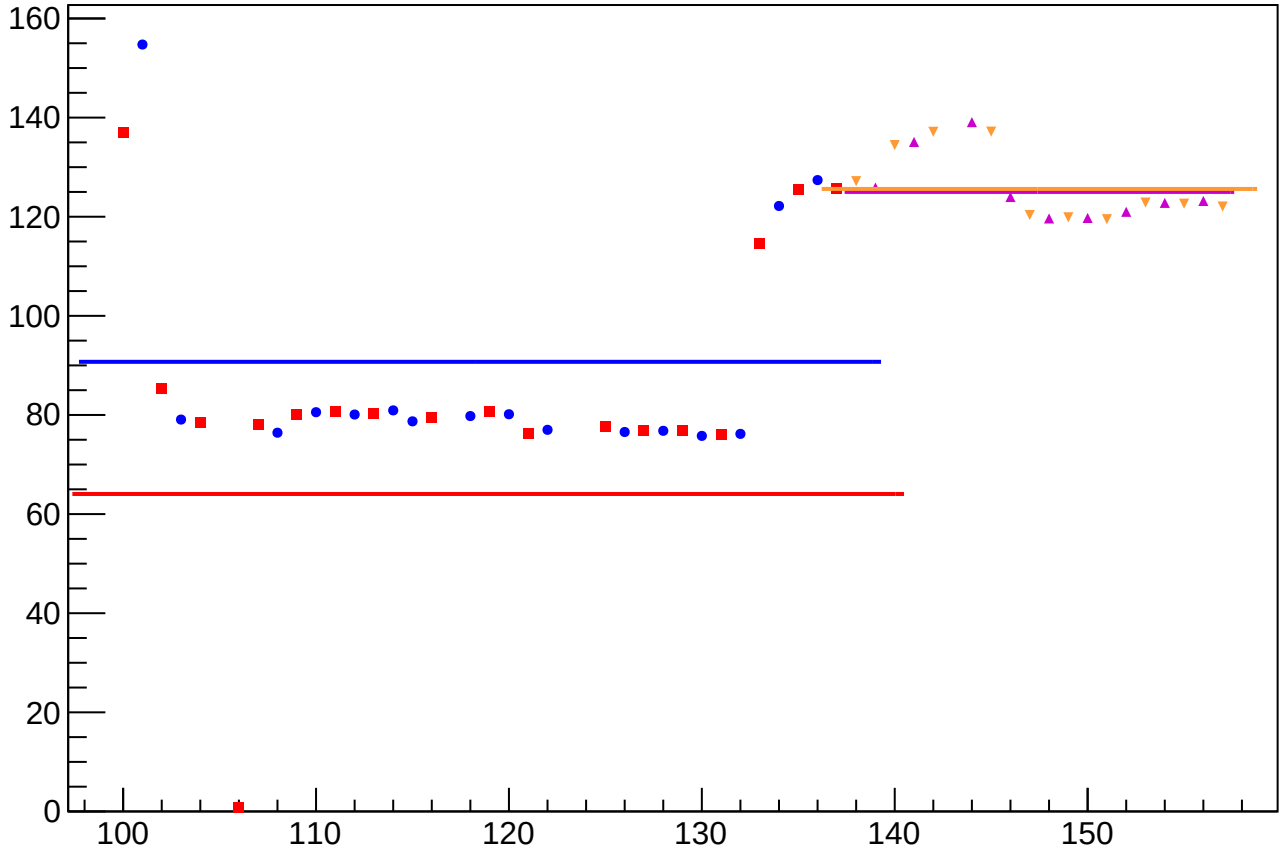
Left In: -51.049+/-1.186 χ^2/NDF:36.4/8

+ sign -48.299+/-0.728 χ^2/NDF: 527.3/25

All: -46.757+/-0.513 χ^2/NDF: 1024.9/52

- sign -45.242+/-0.722 χ^2/NDF: 488.7/26

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 125.608+/-0.057 χ^2/NDF:13826.3/9

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

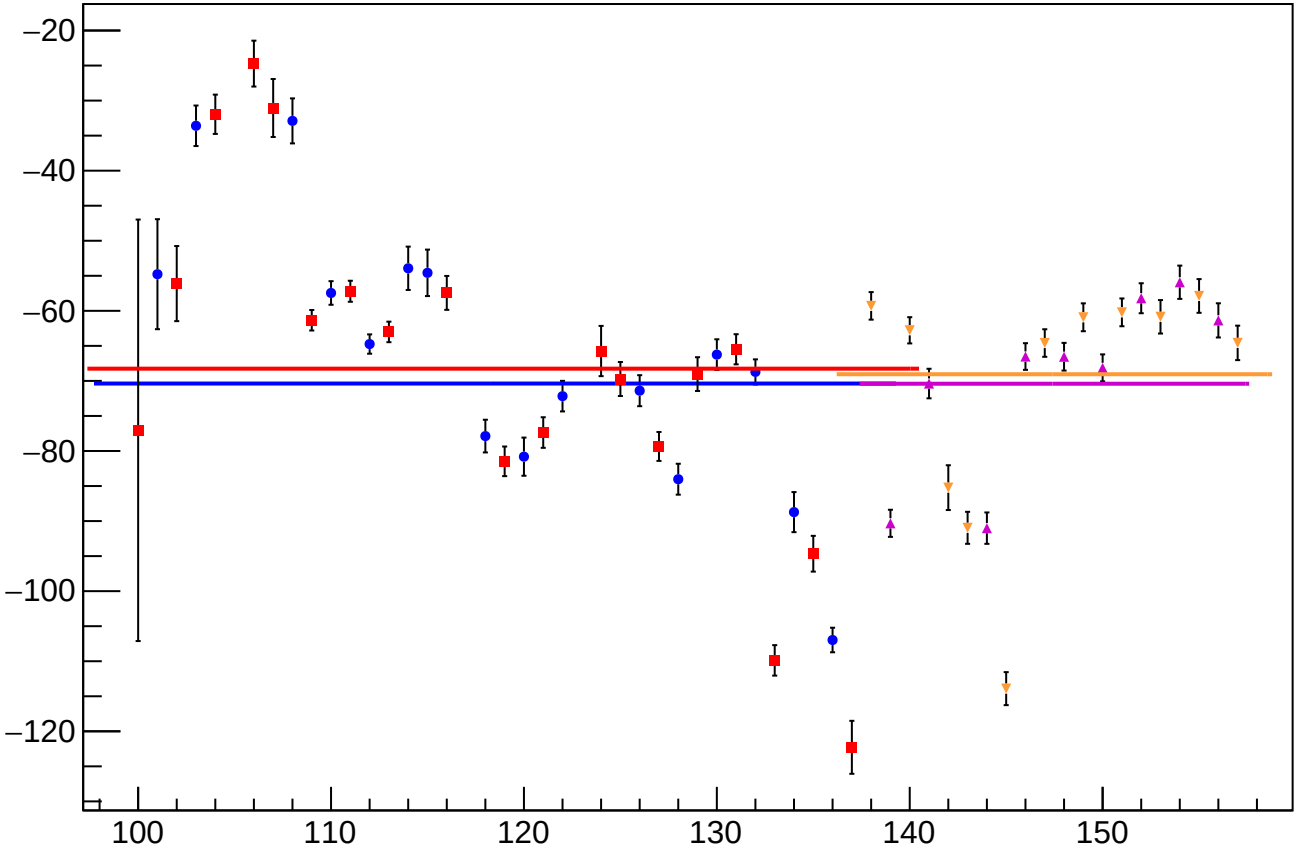
Left In: 125.002+/-0.056 χ^2/NDF:12347.9/8

+ sign 108.702+/-0.041 χ^2/NDF: 358311.6/25

All: 98.758+/-0.027 χ^2/NDF: 1804006.1/52

- sign 90.506+/-0.037 χ^2/NDF: 1336537.8/26

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -69.048+/-0.660 χ^2/NDF:594.6/10

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

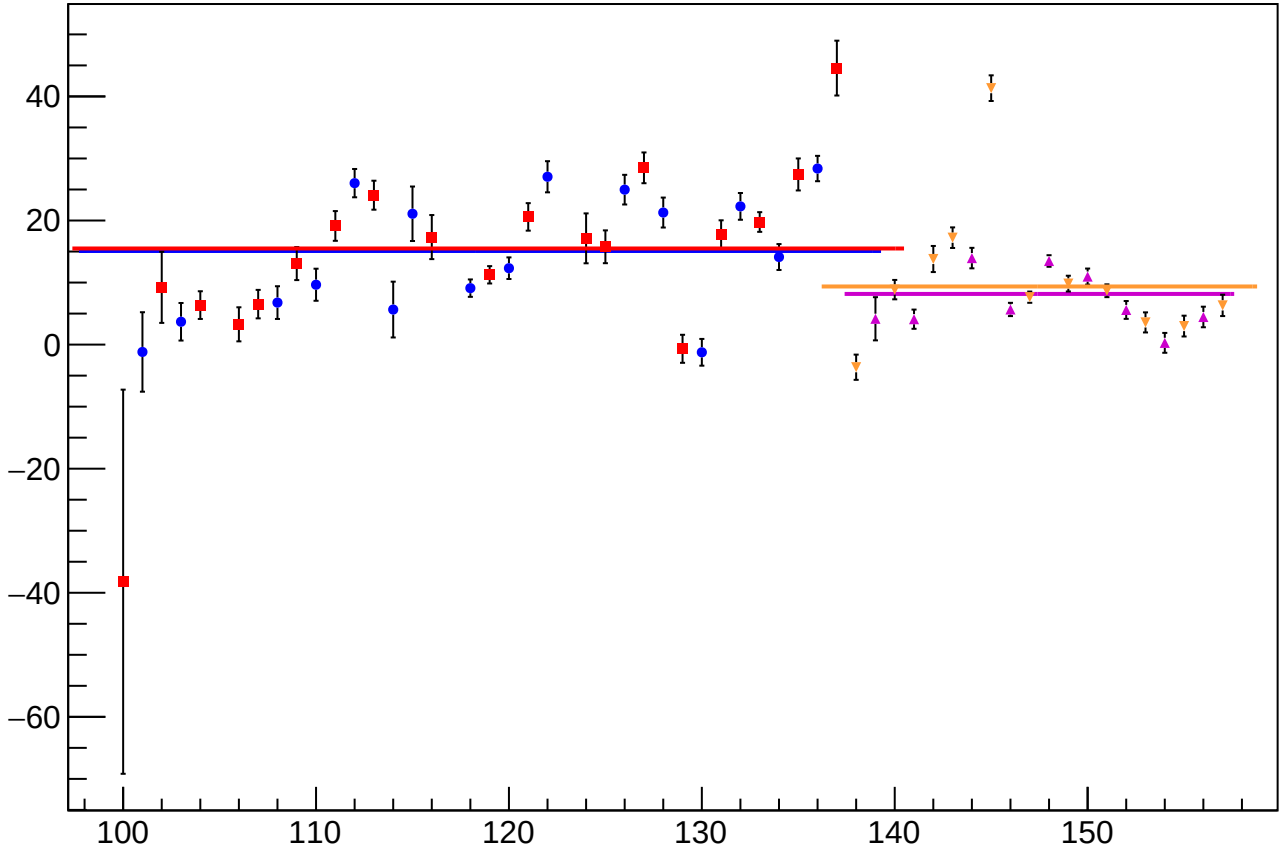
Left In: -70.402+/-0.697 χ^2/NDF:283.5/8

\+ sign -69.822+/-0.426 χ^2/NDF: 1571.8/26

All: -69.422+/-0.299 χ^2/NDF: 3169.1/54

\- sign -69.033+/-0.420 χ^2/NDF: 1595.5/27

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.368+/-0.433 χ^2/NDF:341.3/10

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

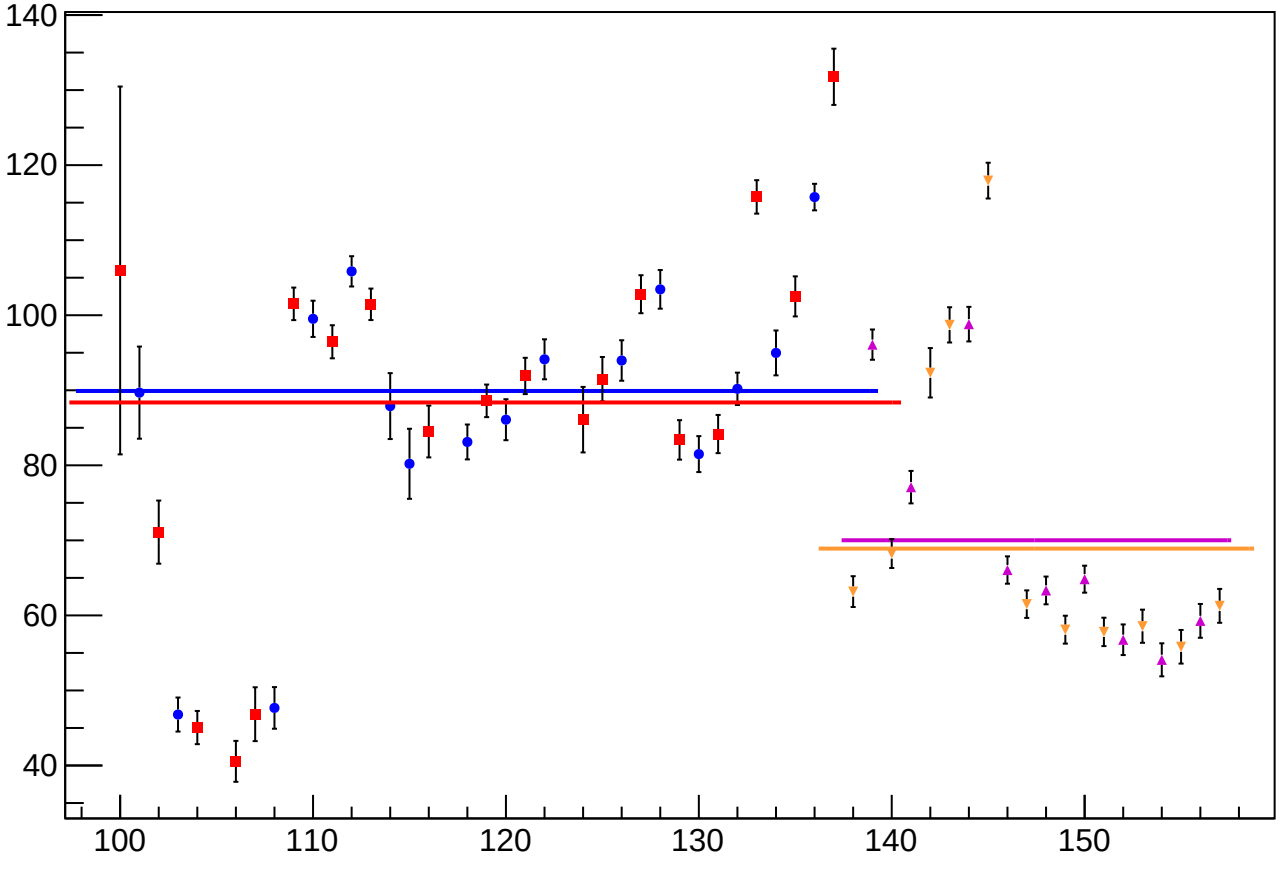
Left In: 8.167+/-0.460 χ^2/NDF:95.5/8

+ sign 11.413+/-0.347 χ^2/NDF: 646.1/26

All: 11.275+/-0.248 χ^2/NDF: 1083.8/54

- sign 11.129+/-0.355 χ^2/NDF: 437.3/27

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 68.903+/-0.642 χ^2/NDF:794.9/10

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

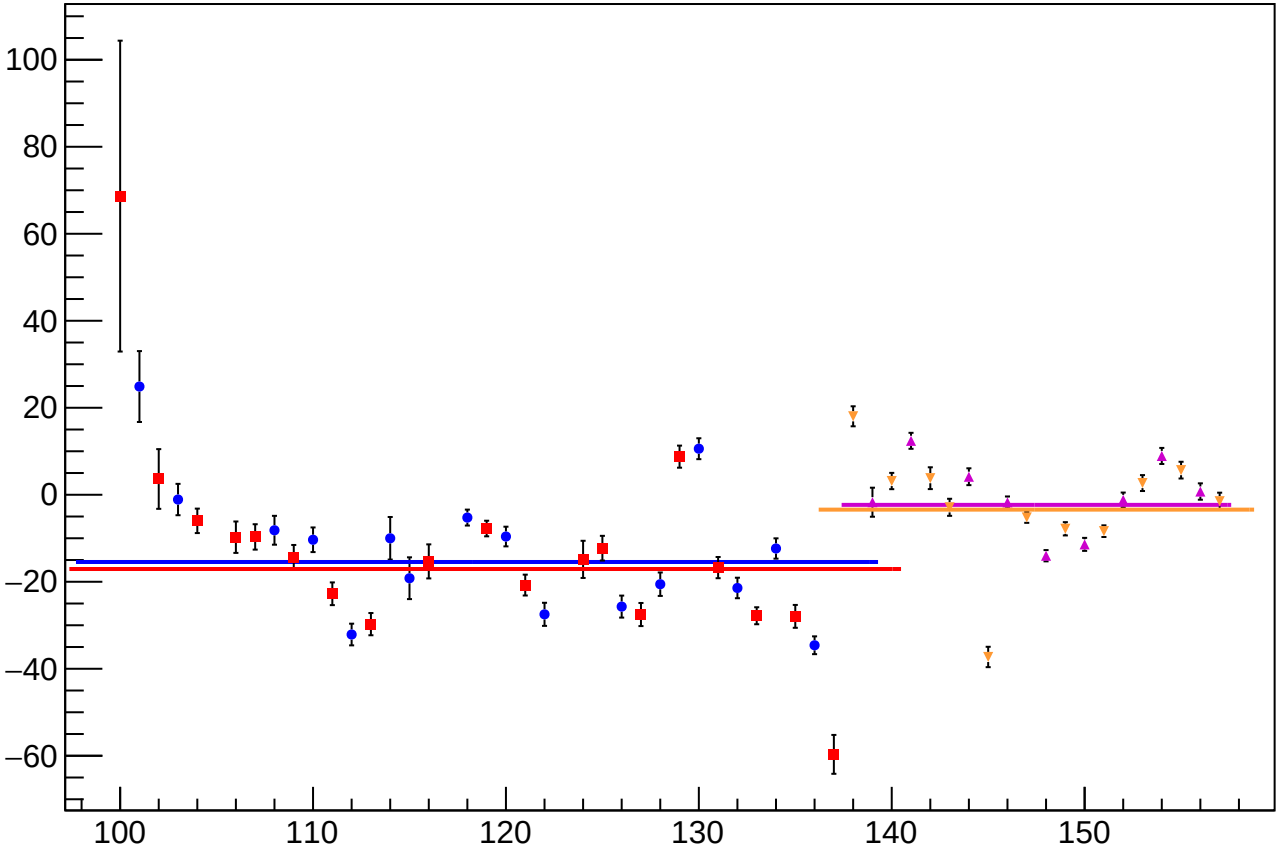
Left In: 70.014+/-0.675 χ^2/NDF:477.3/8

+ sign 79.432+/-0.454 χ^2/NDF: 2278.6/26

All: 79.720+/-0.321 χ^2/NDF: 4448.4/54

- sign 80.011+/-0.456 χ^2/NDF: 2169.0/27

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.417+/-0.532 χ^2/NDF:375.3/10

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

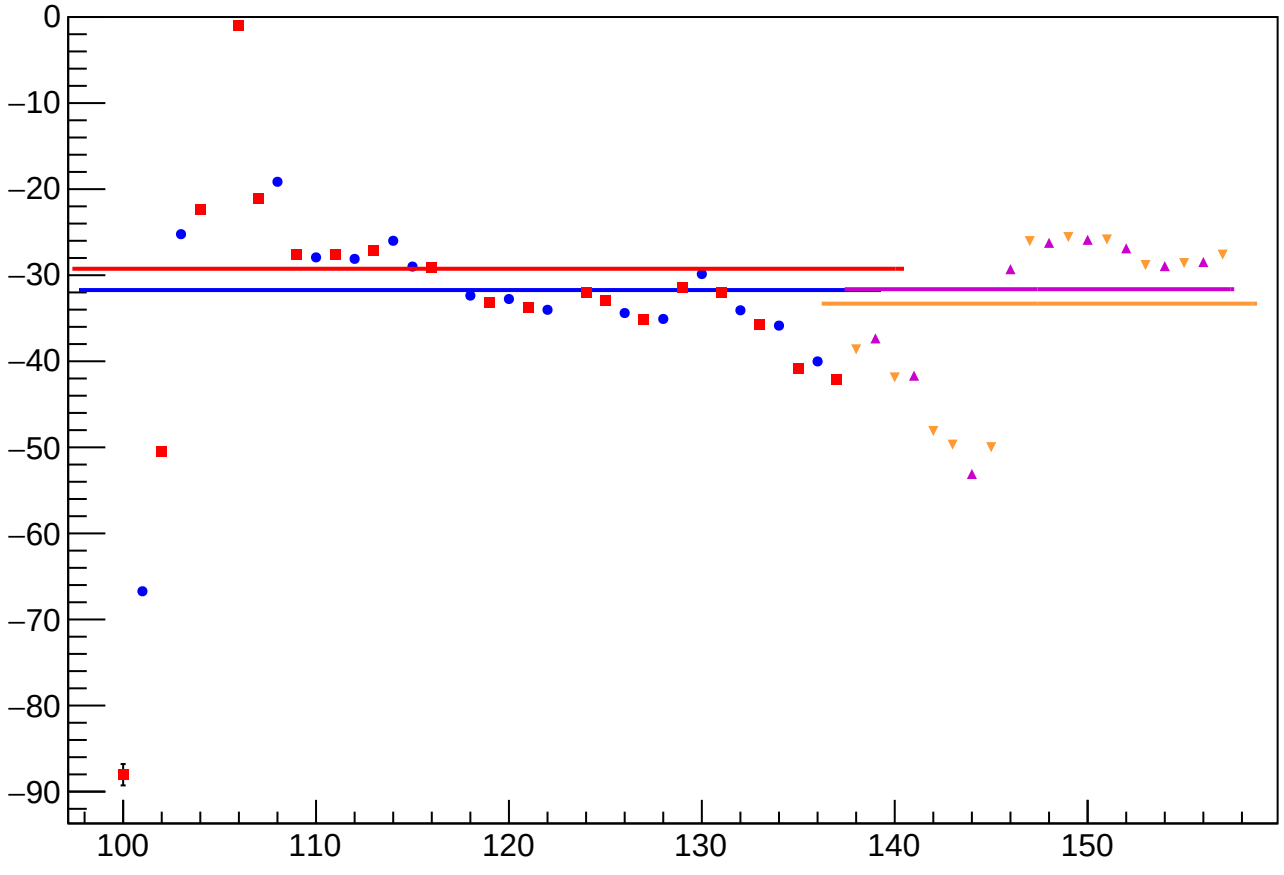
Left In: -2.322+/-0.563 χ^2/NDF:233.9/8

+ sign -8.106+/-0.415 χ^2/NDF: 961.5/26

All: -8.402+/-0.297 χ^2/NDF: 1854.9/54

- sign -8.710+/-0.424 χ^2/NDF: 892.3/27

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -33.302+/-0.025 χ^2/NDF:127350.0/10

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

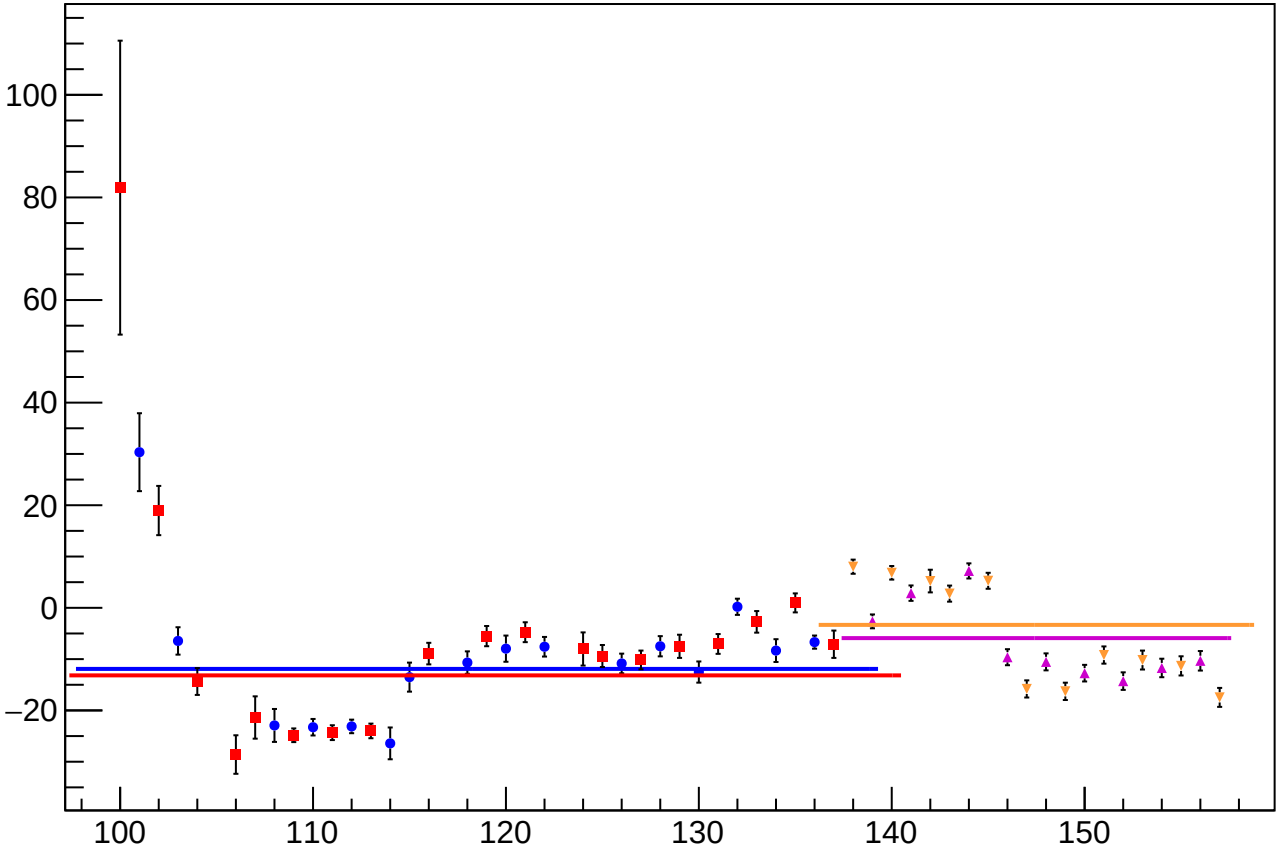
Left In: -31.625+/-0.026 χ^2/NDF:82214.0/8

+ sign -32.833+/-0.021 χ^2/NDF: 168165.3/26

All: -31.880+/-0.015 χ^2/NDF: 352460.5/54

- sign -30.888+/-0.021 χ^2/NDF: 180083.7/27

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.325+/-0.497 χ^2/NDF:404.3/10

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

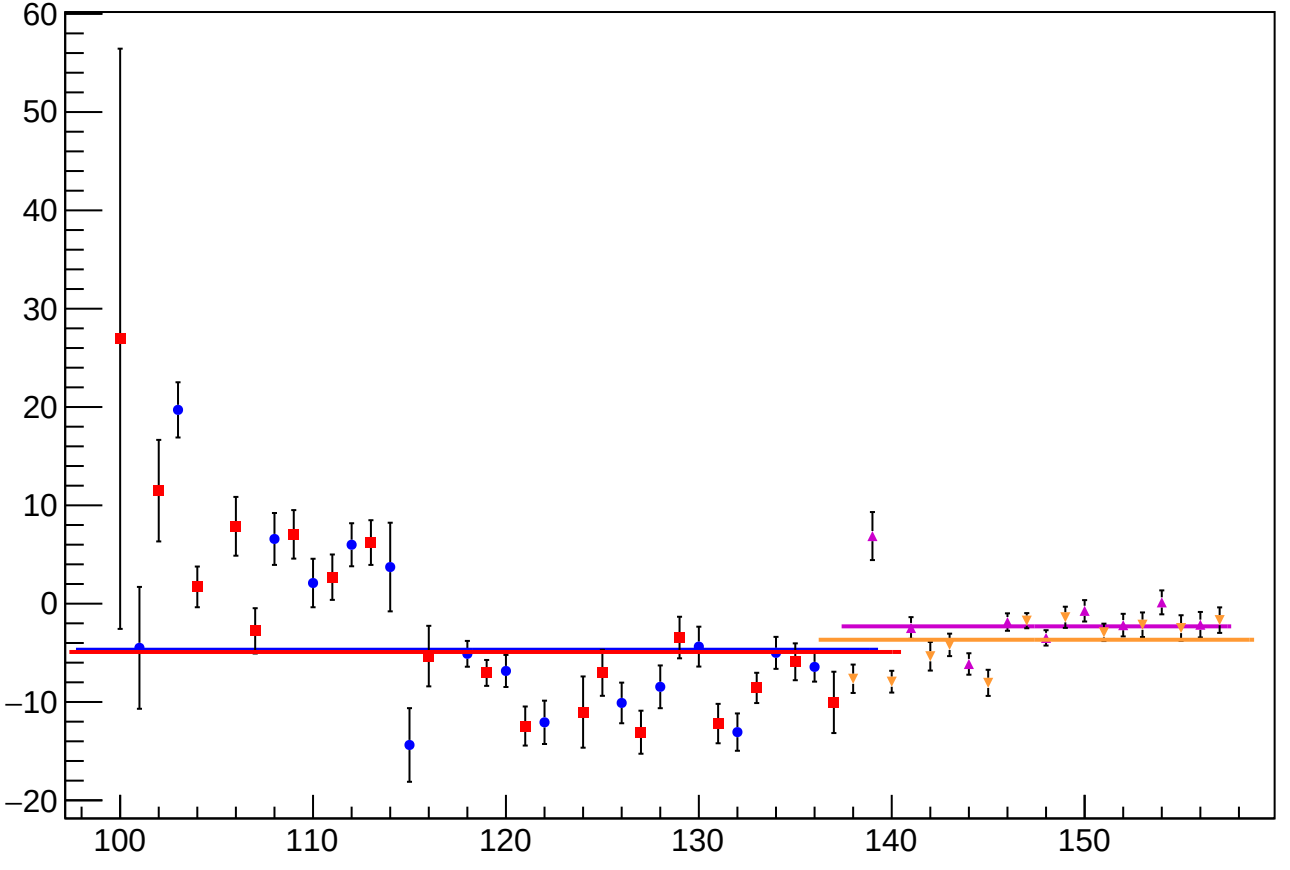
Left In: -5.904+/-0.532 χ^2/NDF:189.9/8

+ sign -7.615+/-0.351 χ^2/NDF: 835.6/26

All: -8.745+/-0.250 χ^2/NDF: 1570.8/54

- sign -9.909+/-0.356 χ^2/NDF: 714.2/27

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.670+/-0.338 χ^2/NDF:51.1/10

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

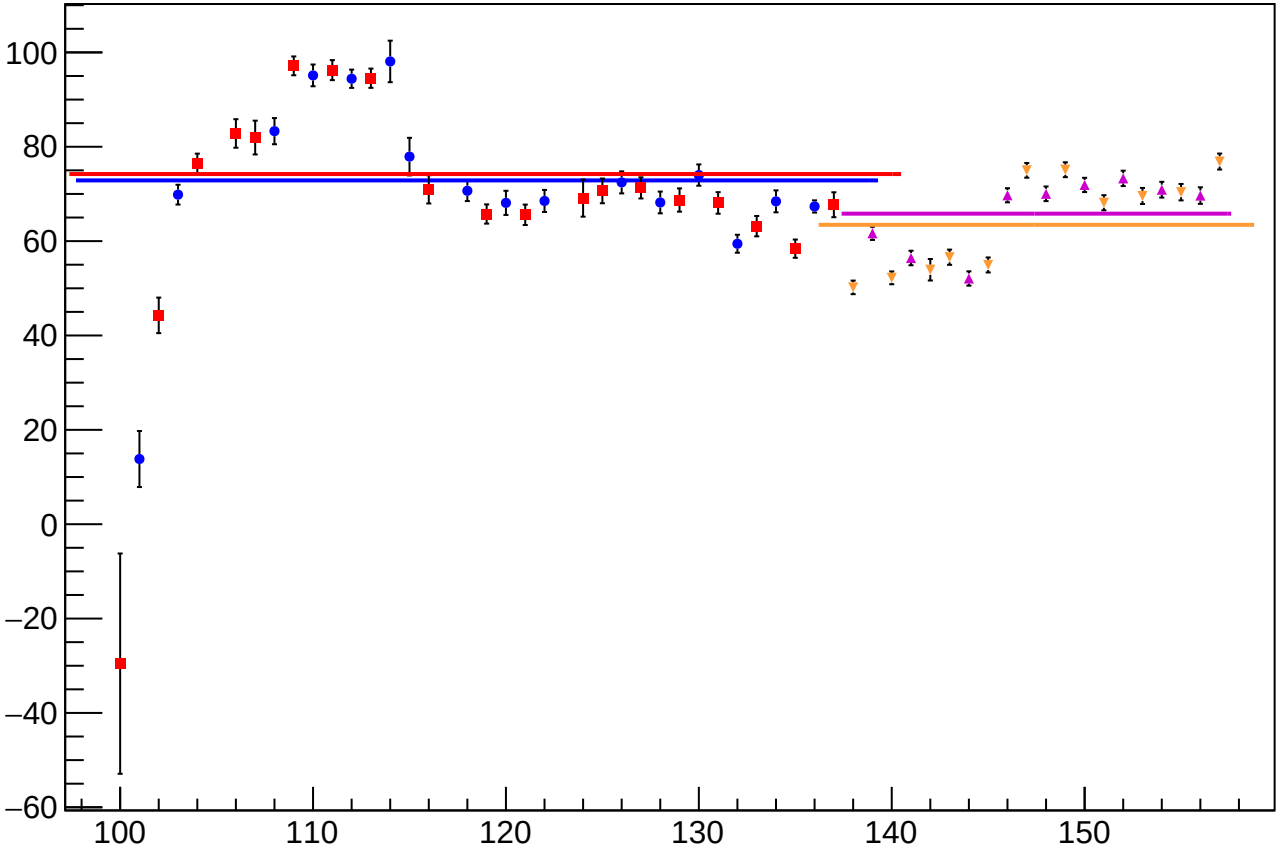
Left In: -2.308+/-0.363 χ^2/NDF:35.1/8

+ sign -3.974+/-0.283 χ^2/NDF: 232.8/26

All: -3.593+/-0.205 χ^2/NDF: 444.8/54

- sign -3.176+/-0.296 χ^2/NDF: 208.2/27

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.456+/-0.487 χ^2/NDF:426.2/10

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

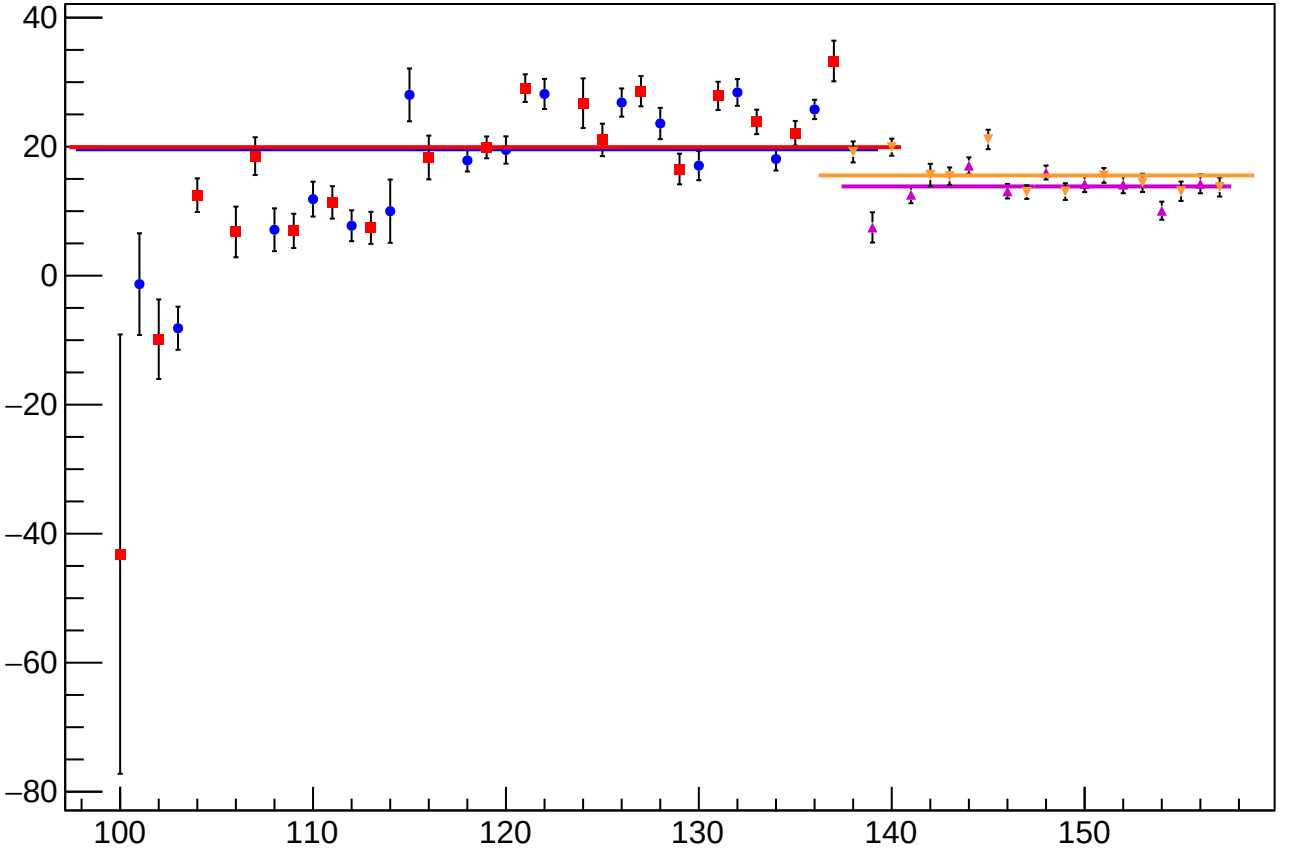
Left In: 65.821+/-0.519 χ^2/NDF:193.2/8

\+ sign 67.464+/-0.369 χ^2/NDF: 1036.0/26

All: 68.537+/-0.265 χ^2/NDF: 1953.2/54

\- sign 69.682+/-0.381 χ^2/NDF: 899.8/27

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 15.537+/-0.411 χ^2/NDF:44.2/10

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

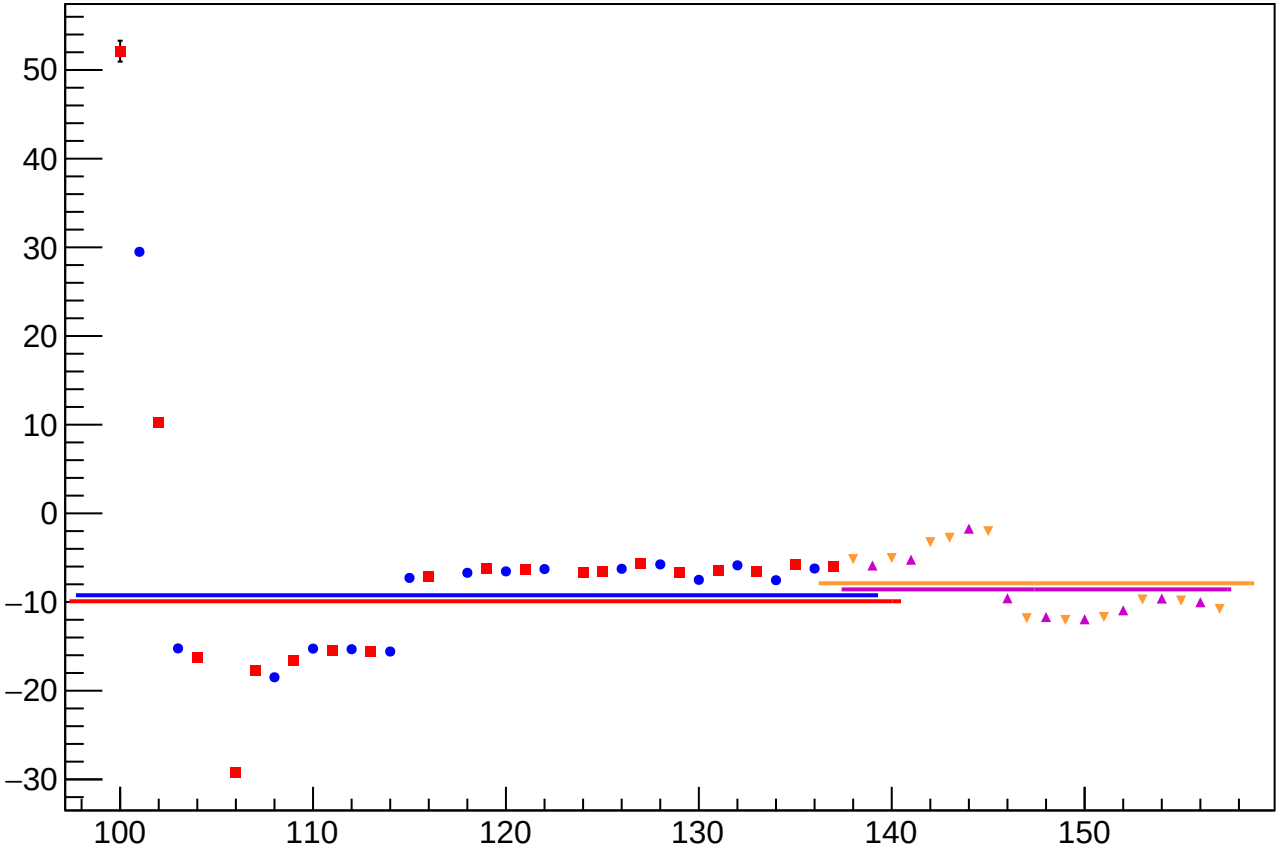
Left In: 13.834+/-0.440 χ^2/NDF:26.5/8

\+ sign 16.877+/-0.336 χ^2/NDF: 272.4/26

All: 16.474+/-0.243 χ^2/NDF: 552.3/54

\- sign 16.033+/-0.352 χ^2/NDF: 276.9/27

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.885+/-0.019 χ^2/NDF:37292.6/10

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

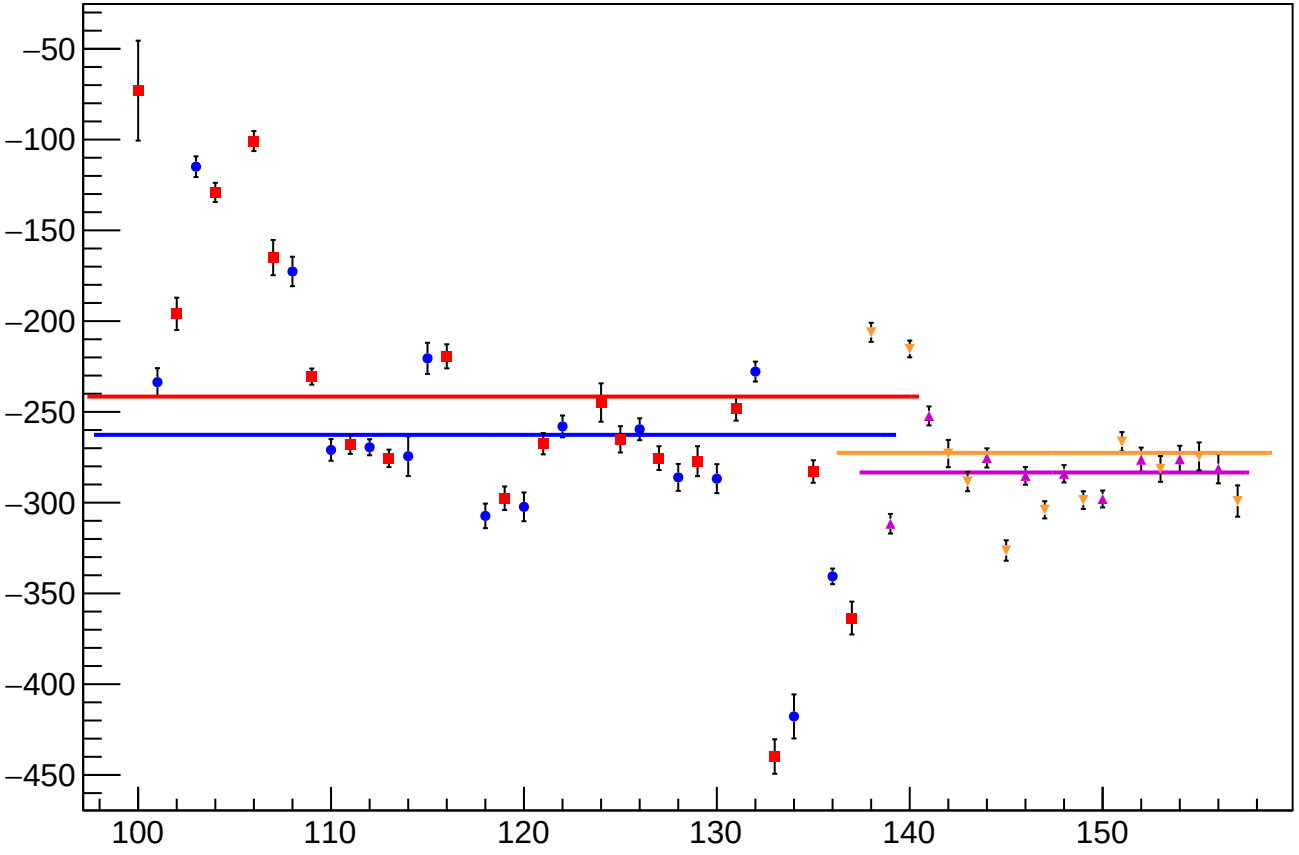
Left In: -8.575+/-0.020 χ^2/NDF:24267.1/8

+ sign -8.222+/-0.016 χ^2/NDF: 69718.4/26

All: -8.550+/-0.012 χ^2/NDF: 149814.5/54

- sign -8.907+/-0.017 χ^2/NDF: 79265.0/27

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.553+/-1.716 χ^2/NDF:498.6/10

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

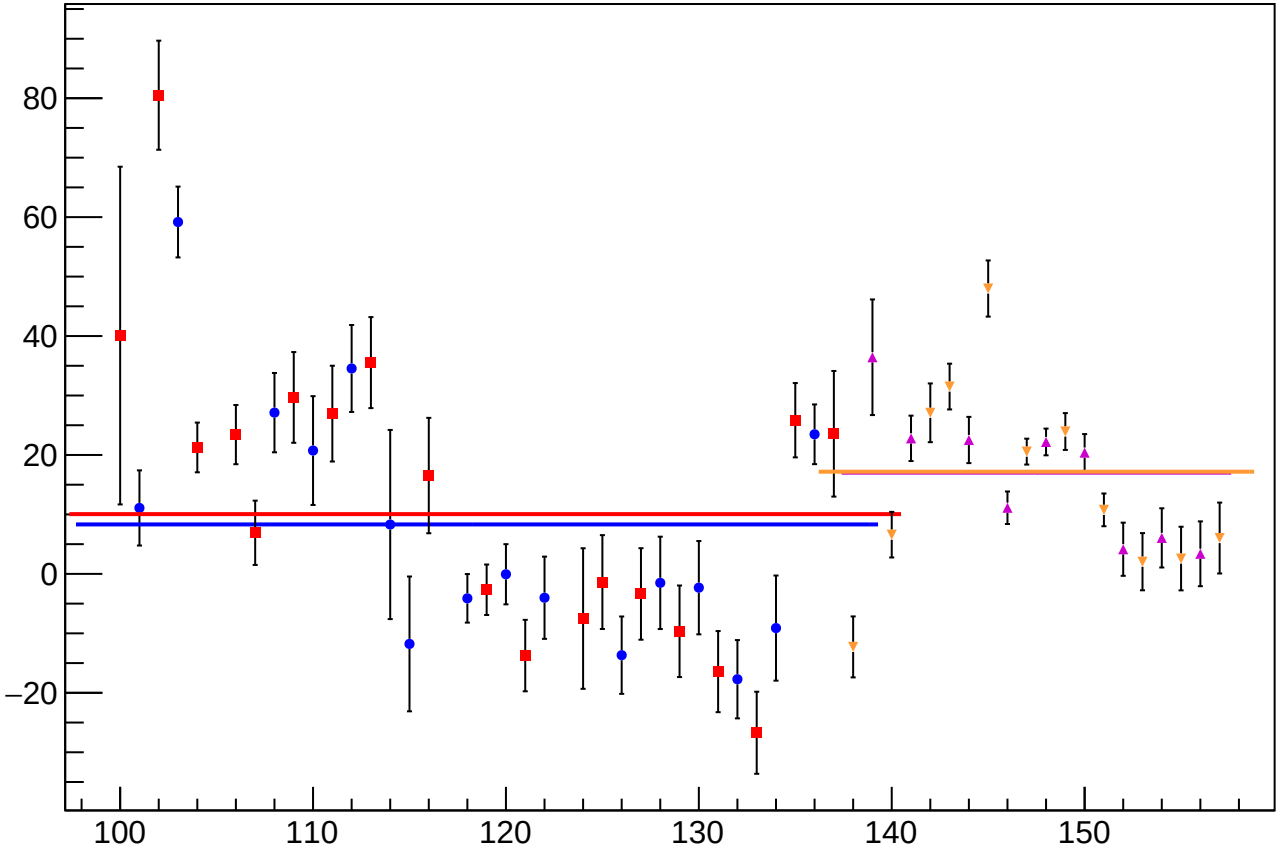
Left In: -283.375+/-1.843 χ^2/NDF:77.3/8

+ sign -267.295+/-1.176 χ^2/NDF: 1970.6/26

All: -262.761+/-0.828 χ^2/NDF: 4524.9/54

- sign -258.298+/-1.166 χ^2/NDF: 2524.7/27

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 17.187+/-1.109 χ^2/NDF:134.5/10

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

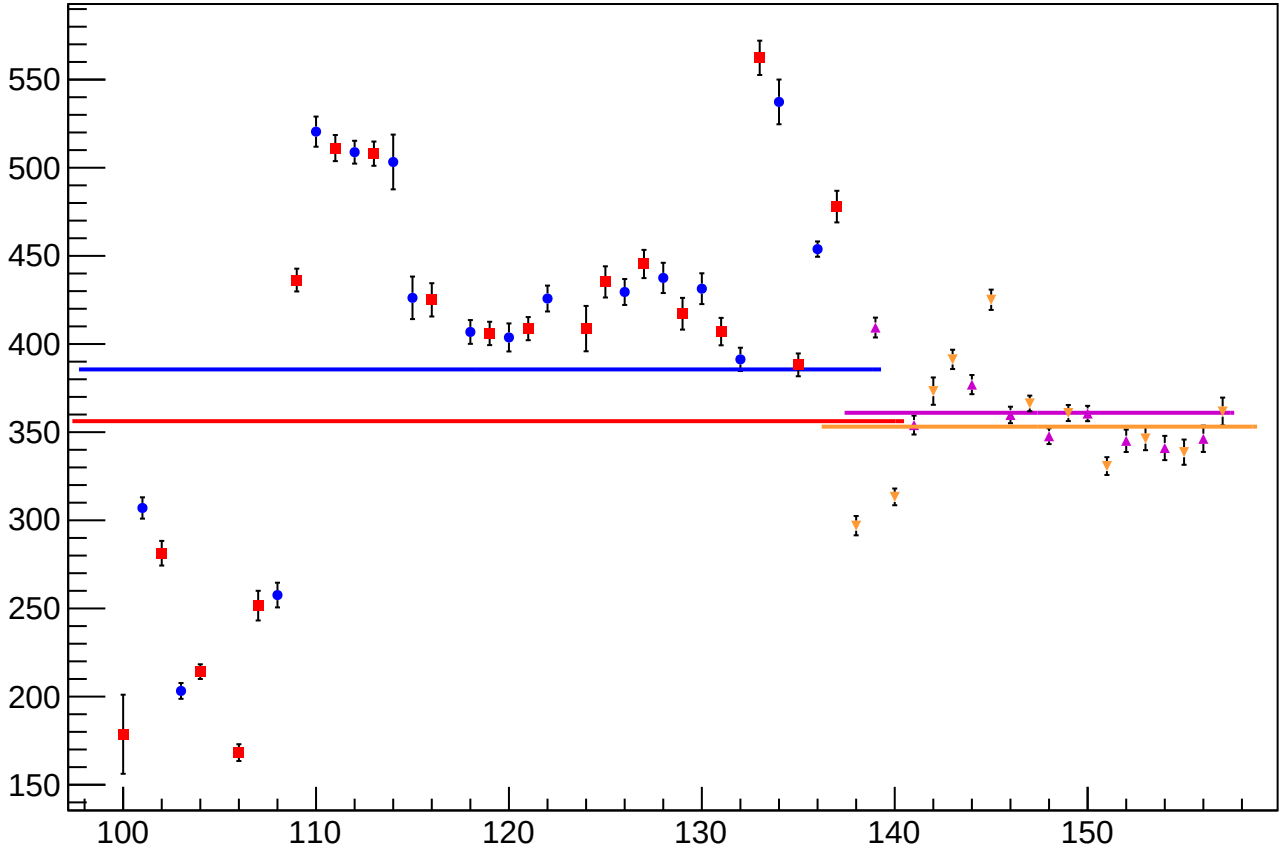
Left In: 17.023+/-1.192 χ^2/NDF:38.8/8

+ sign 14.413+/-0.920 χ^2/NDF: 312.1/26

All: 14.412+/-0.658 χ^2/NDF: 551.2/54

- sign 14.410+/-0.942 χ^2/NDF: 239.0/27

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.130+/-1.678 χ^2/NDF:425.0/10

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

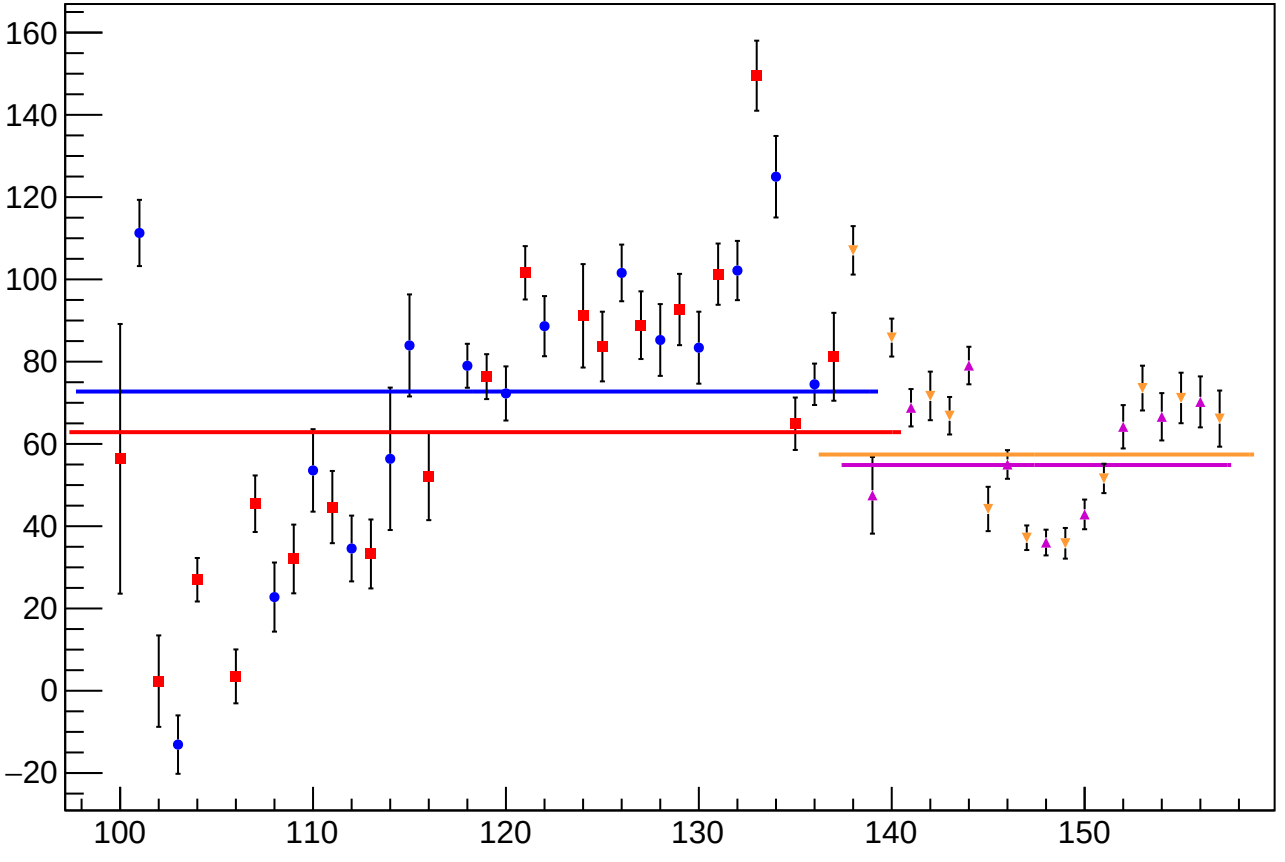
Left In: 360.998+/-1.789 χ^2/NDF:111.6/8

+ sign 368.754+/-1.209 χ^2/NDF: 3978.2/26

All: 363.601+/-0.856 χ^2/NDF: 9400.3/54

- sign 358.426+/-1.211 χ^2/NDF: 5385.7/27

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 57.426+/-1.372 χ^2/NDF:222.5/10

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

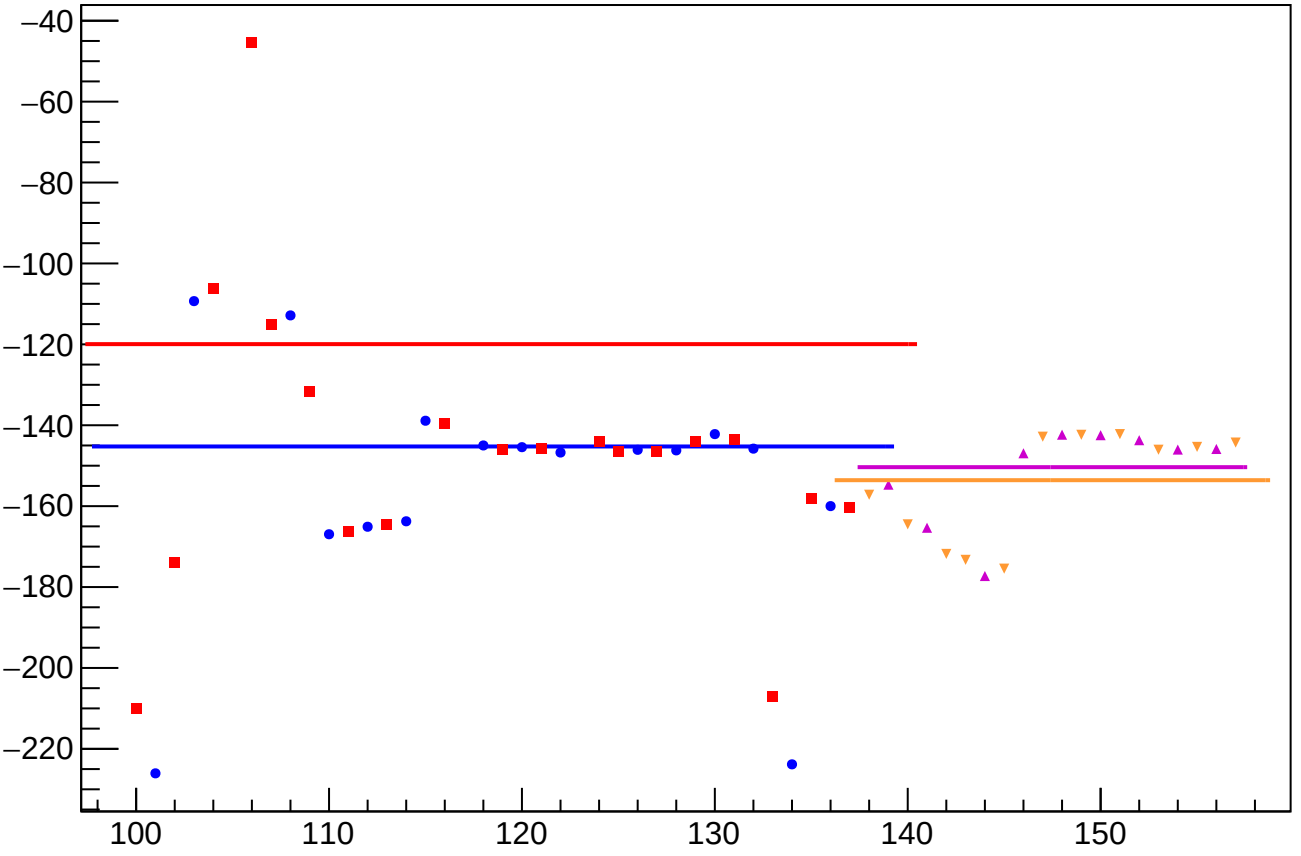
Left In: 54.875+/-1.472 χ^2/NDF:98.9/8

+ sign 62.688+/-1.112 χ^2/NDF: 569.6/26

All: 60.440+/-0.795 χ^2/NDF: 1092.3/54

- sign 58.086+/-1.138 χ^2/NDF: 514.3/27

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -153.582+/-0.067 χ^2/NDF:36012.6/10

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

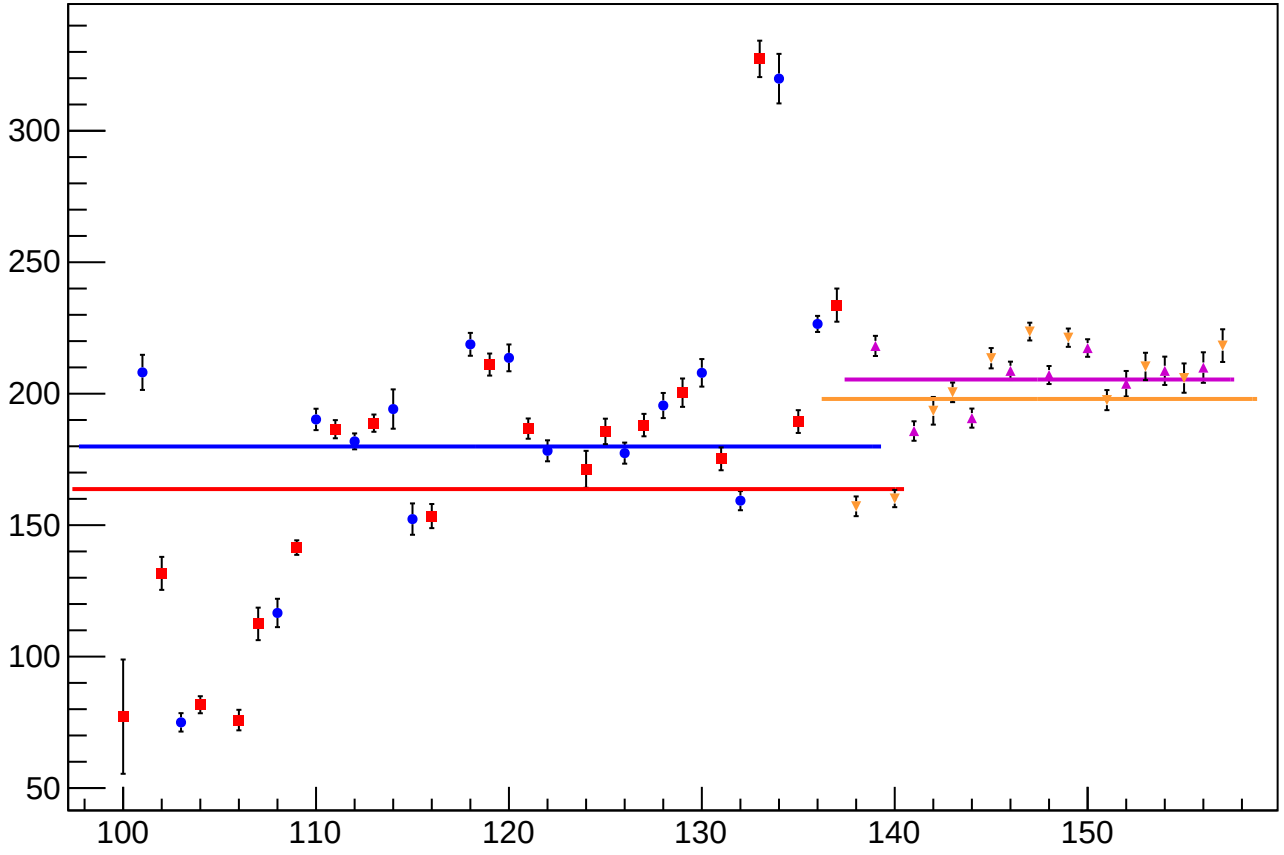
Left In: -150.362+/-0.070 χ^2/NDF:23168.4/8

+ sign -150.921+/-0.056 χ^2/NDF: 172961.8/26

All: -144.774+/-0.039 χ^2/NDF: 562990.9/54

- sign -138.759+/-0.055 χ^2/NDF: 365806.0/27

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.000+/-1.219 χ^2/NDF:390.1/10

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

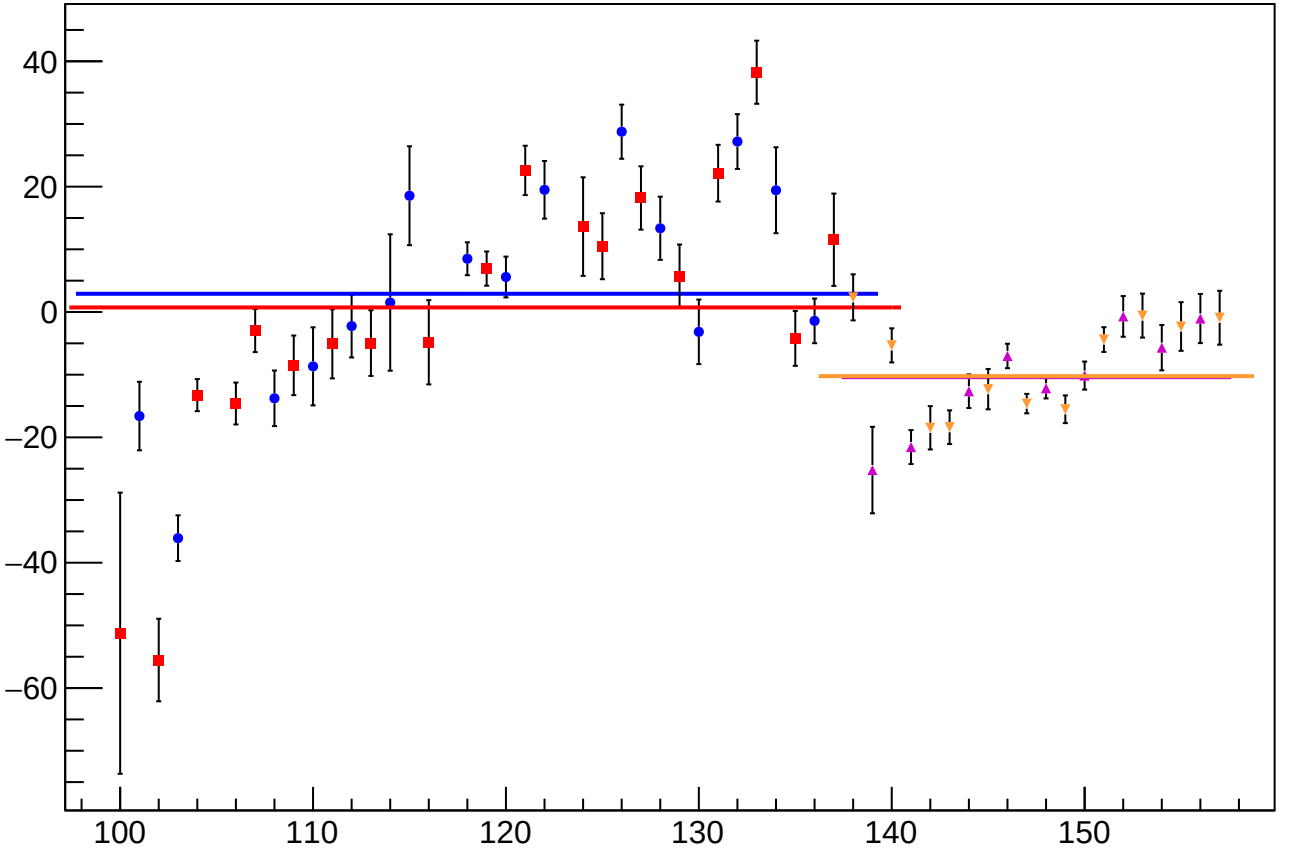
Left In: 205.397+/-1.313 χ^2/NDF:70.5/8

+ sign 187.942+/-0.812 χ^2/NDF: 2245.2/26

All: 183.399+/-0.568 χ^2/NDF: 5431.3/54

- sign 179.033+/-0.796 χ^2/NDF: 3124.7/27

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.237+/-0.789 χ^2/NDF:69.1/10

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

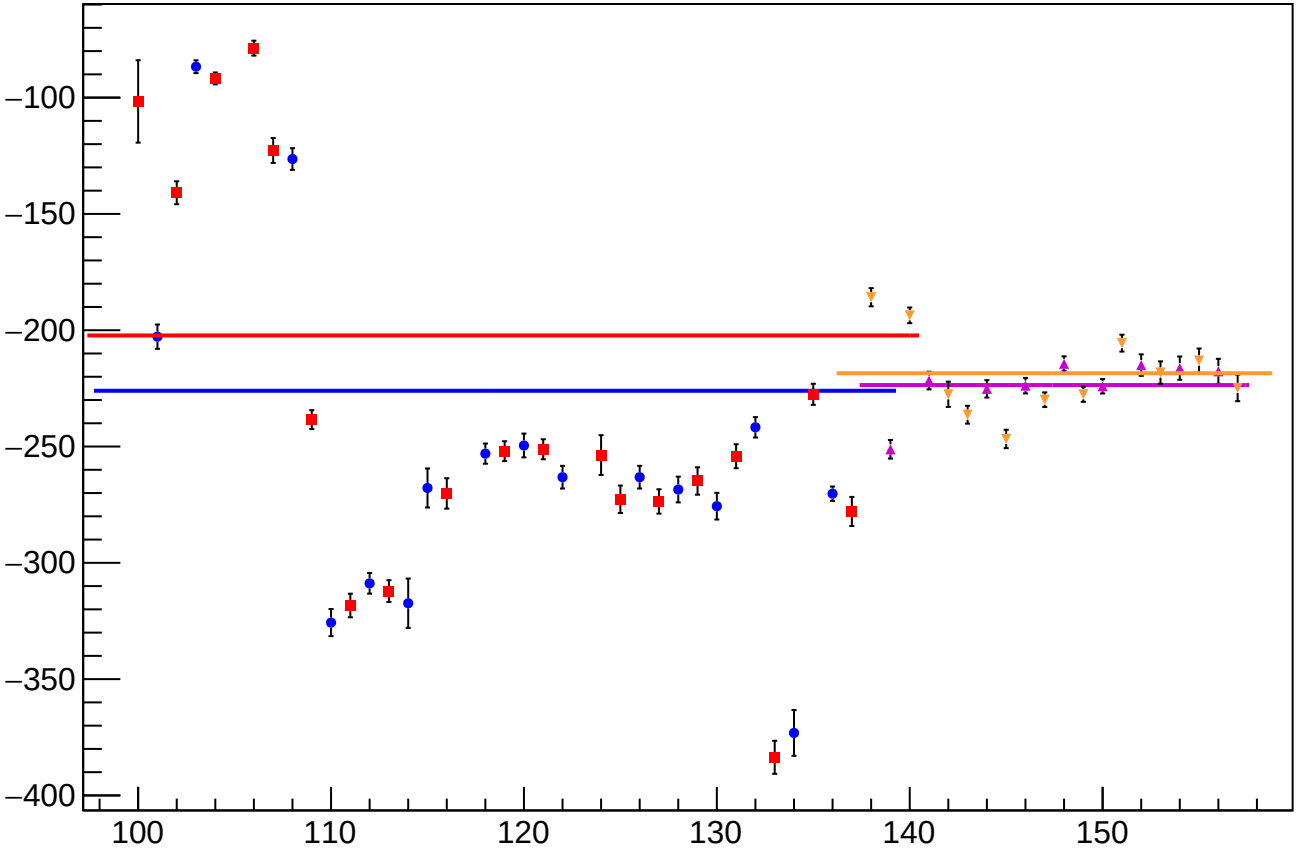
Left In: -10.398+/-0.851 χ^2/NDF:42.8/8

+ sign -5.795+/-0.642 χ^2/NDF: 410.3/26

All: -5.791+/-0.457 χ^2/NDF: 797.5/54

- sign -5.787+/-0.652 χ^2/NDF: 387.2/27

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.490+/-1.194 χ^2/NDF:235.6/10

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

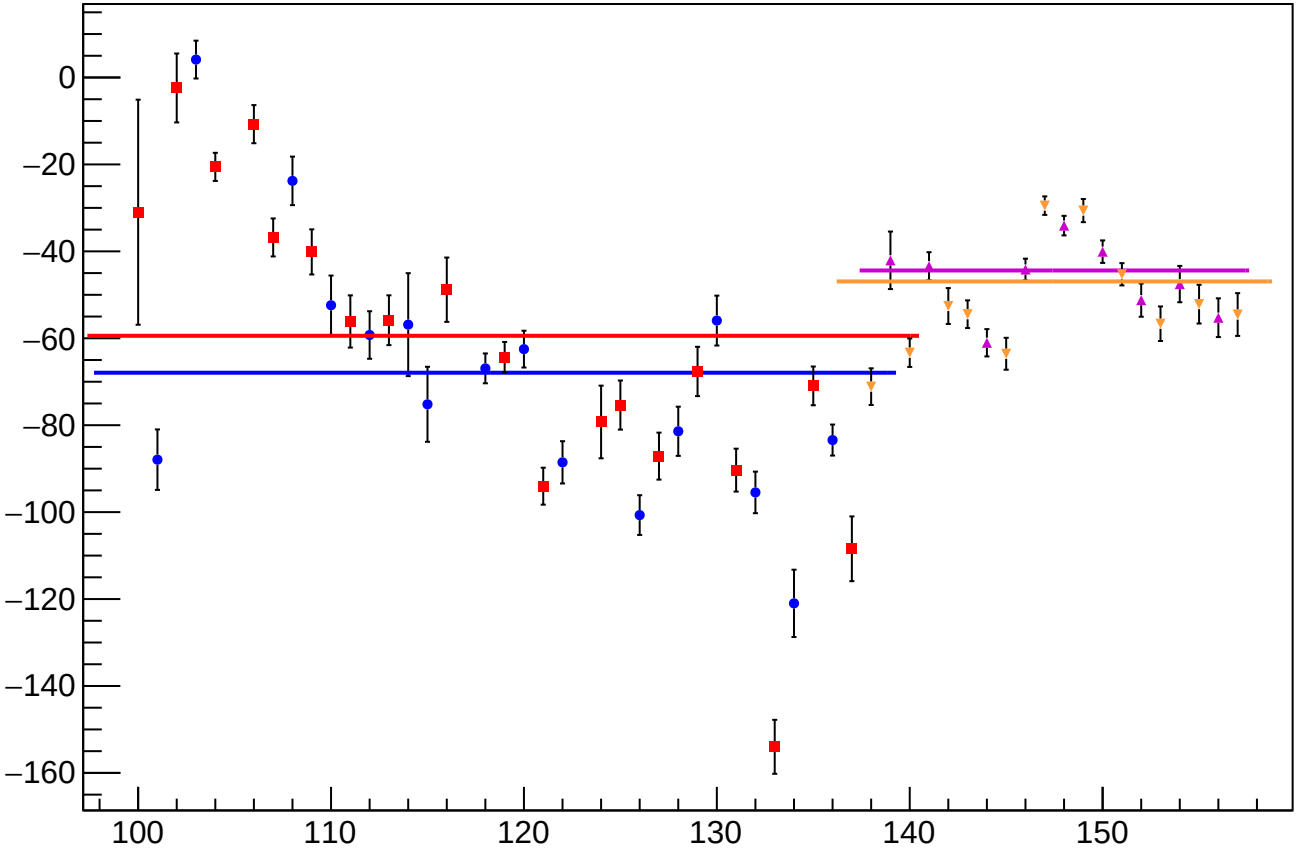
Left In: -223.575+/-1.276 χ^2/NDF:63.2/8

+ sign -222.319+/-0.837 χ^2/NDF: 4794.9/26

All: -216.702+/-0.589 χ^2/NDF: 11799.7/54

- sign -211.219+/-0.827 χ^2/NDF: 6915.9/27

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.919+/-0.976 χ^2/NDF:200.7/10

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

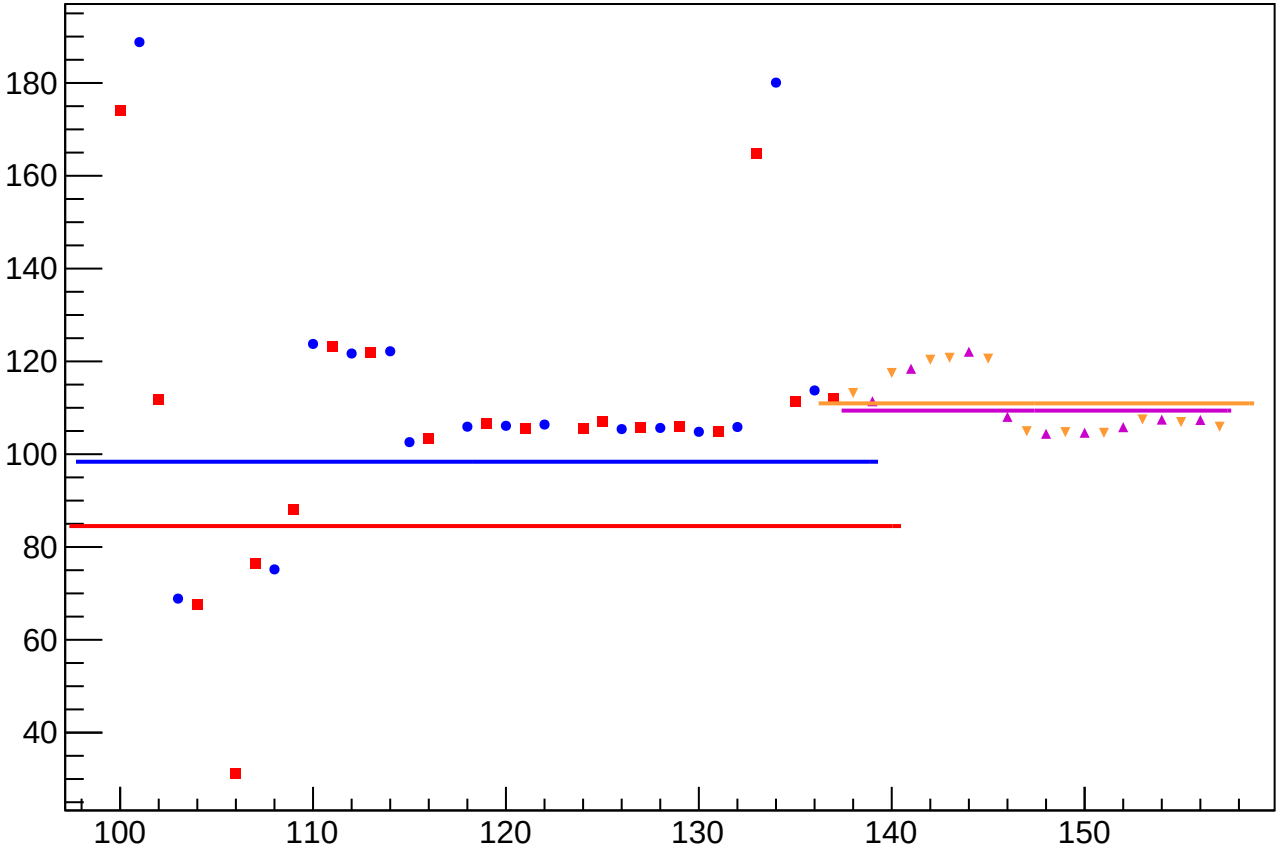
Left In: -44.399+/-1.051 χ^2/NDF:61.8/8

+ sign -54.659+/-0.776 χ^2/NDF: 905.4/26

All: -52.864+/-0.552 χ^2/NDF: 1863.0/54

- sign -51.021+/-0.786 χ^2/NDF: 946.8/27

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 110.955+/-0.048 χ^2/NDF:18963.6/10

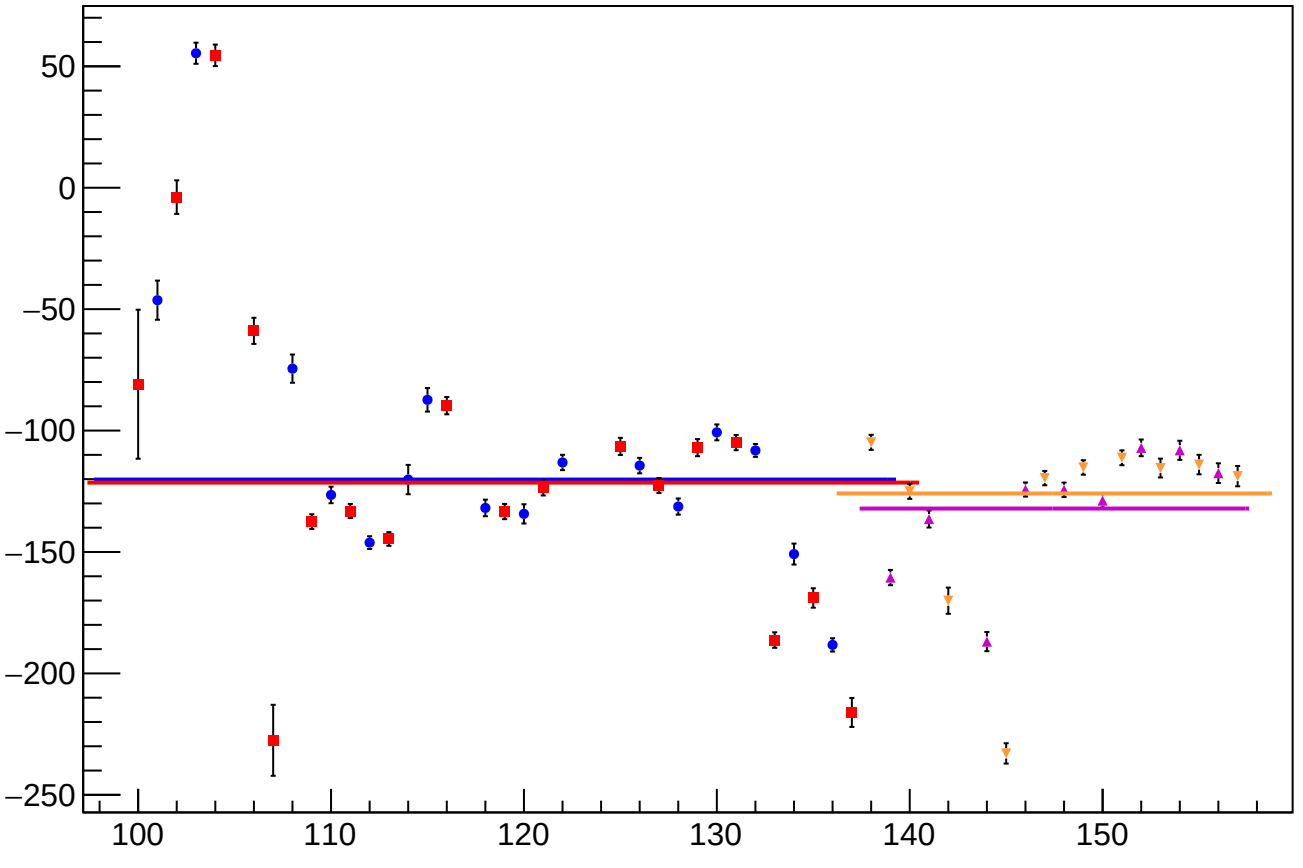
Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 109.394+/-0.050 χ^2/NDF:13010.9/8

+ sign 106.613+/-0.039 χ^2/NDF: 271134.7/26

All: 102.952+/-0.027 χ^2/NDF: 671112.4/54

- sign 99.341+/-0.039 χ^2/NDF: 382298.4/27



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -125.901+/-1.105 χ^2/NDF:826.6/9

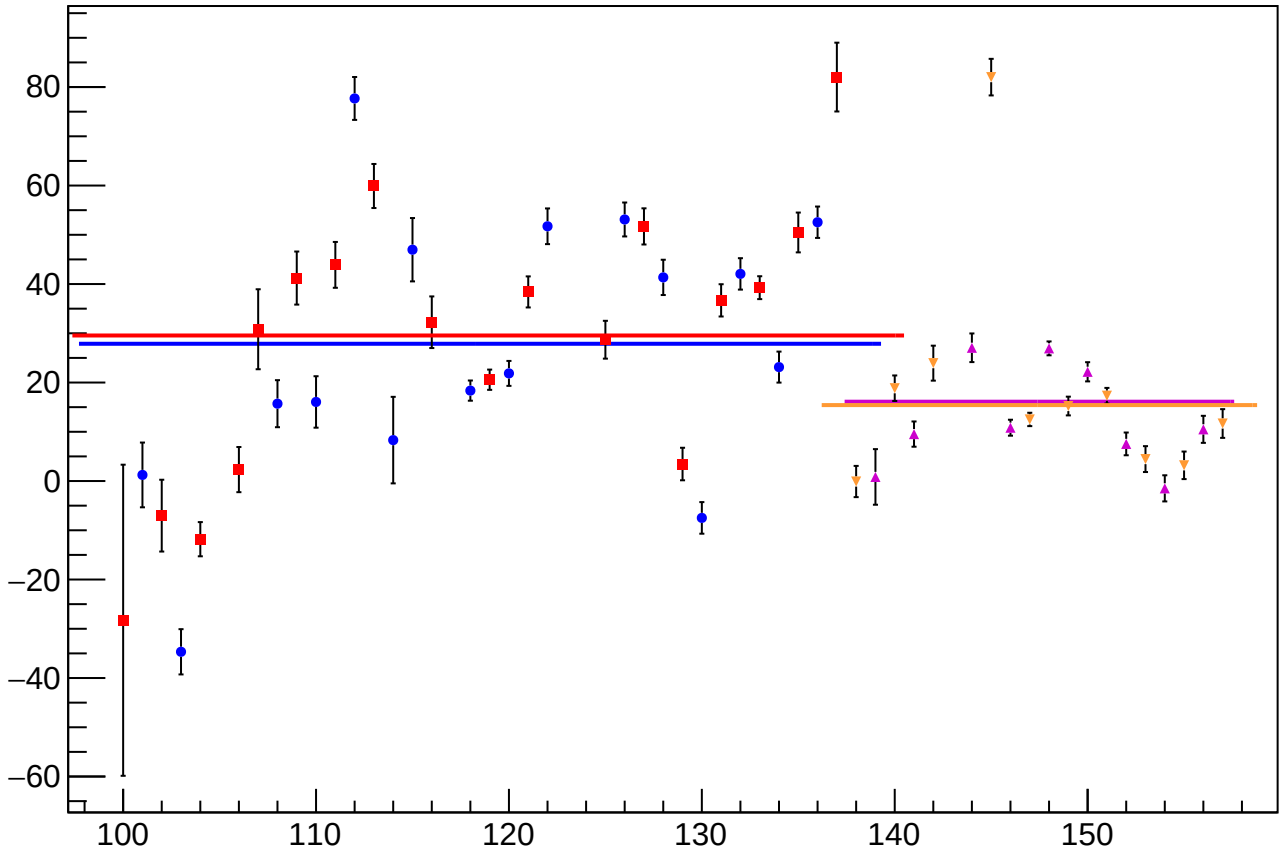
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -132.108+/-1.114 χ^2/NDF:393.4/8

+ sign -122.430+/-0.693 χ^2/NDF: 3534.0/25

All: -123.975+/-0.489 χ^2/NDF: 7120.5/52

- sign -125.497+/-0.688 χ^2/NDF: 3576.7/26



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 15.420+/-0.706 χ^2/NDF:397.2/9

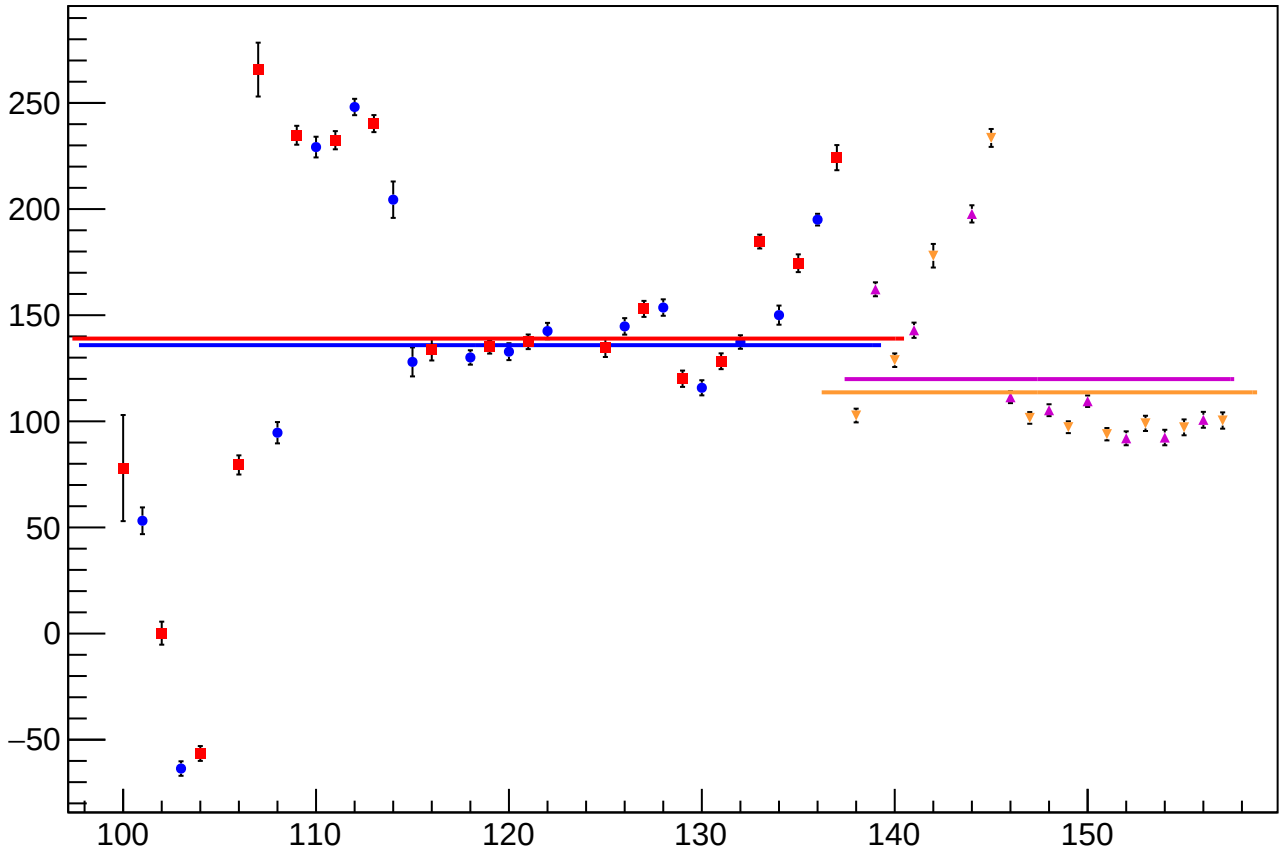
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 16.110+/-0.723 χ^2/NDF:169.4/8

\+ sign 20.238+/-0.552 χ^2/NDF: 1217.3/25

All: 20.839+/-0.394 χ^2/NDF: 2024.0/52

\- sign 21.459+/-0.561 χ^2/NDF: 804.3/26



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 113.654+/-1.068 χ^2/NDF:1122.1/9

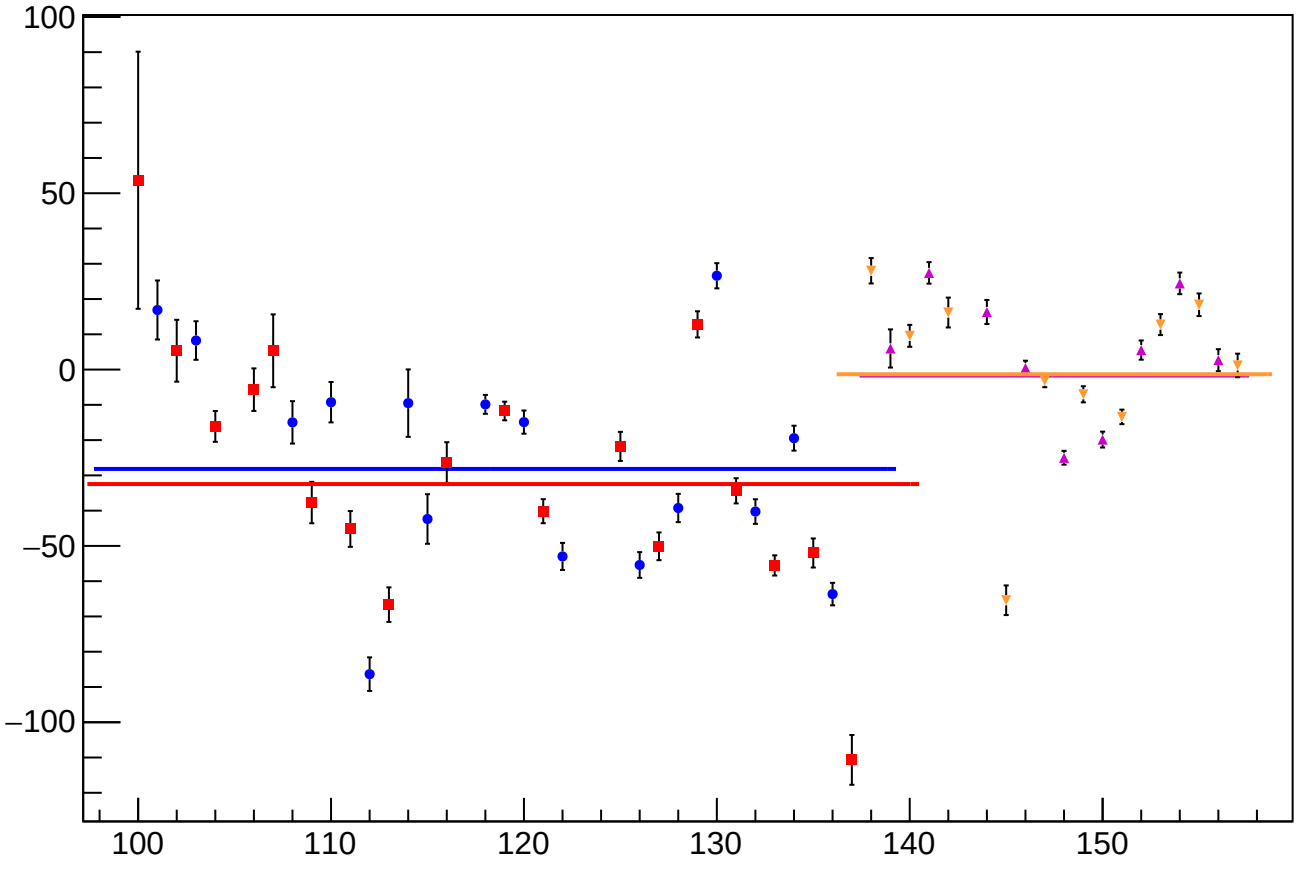
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 119.890+/-1.076 χ^2/NDF:780.5/8

\+ sign 125.512+/-0.729 χ^2/NDF: 6816.9/25

All: 127.826+/-0.517 χ^2/NDF: 13943.2/52

\- sign 130.156+/-0.732 χ^2/NDF: 7106.1/26



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -1.322+/-0.874 χ^2/NDF:430.5/9

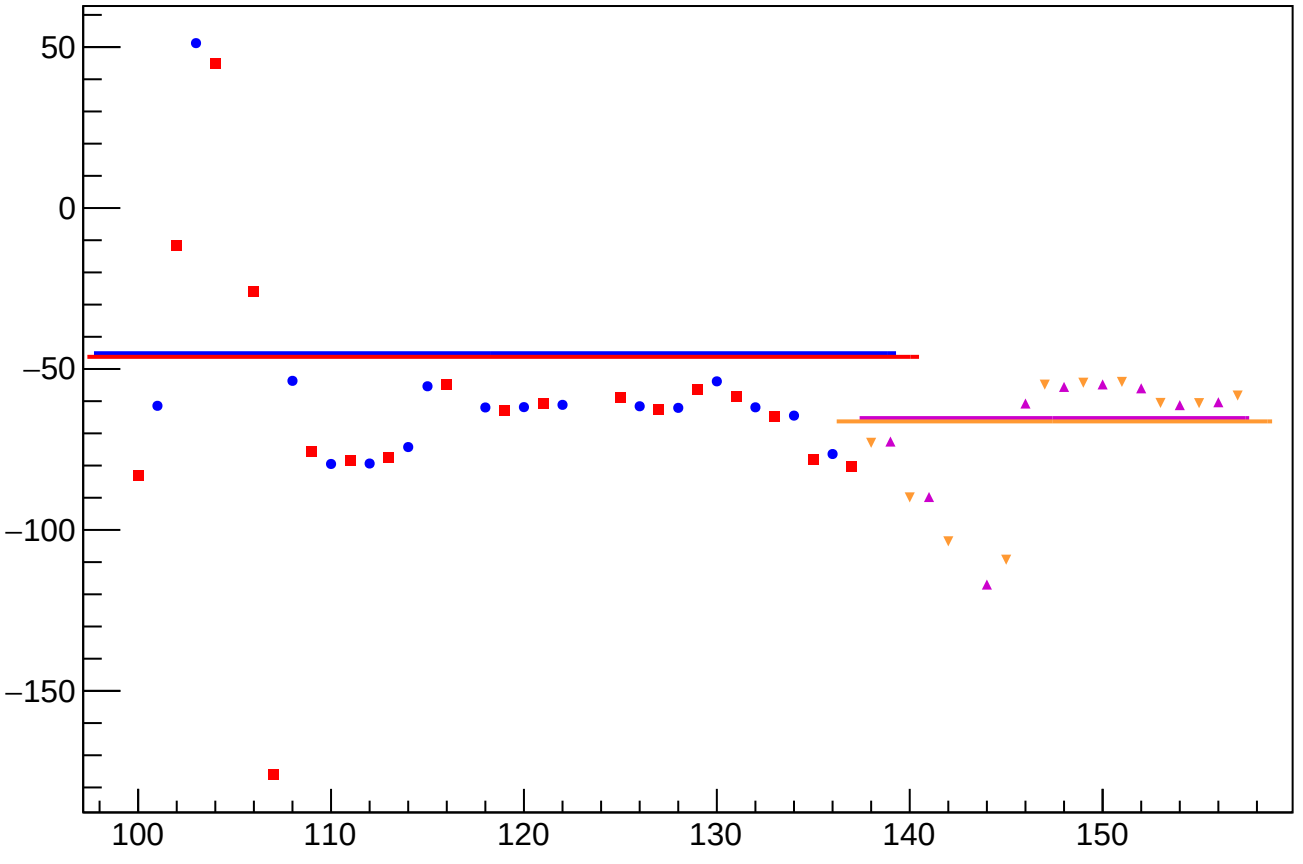
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -1.689+/-0.890 χ^2/NDF:410.5/8

+ sign -12.663+/-0.664 χ^2/NDF: 1620.3/25

All: -13.756+/-0.473 χ^2/NDF: 3129.8/52

- sign -14.875+/-0.673 χ^2/NDF: 1504.0/26



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -66.283+/-0.042 χ^2/NDF:162562.8/9

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

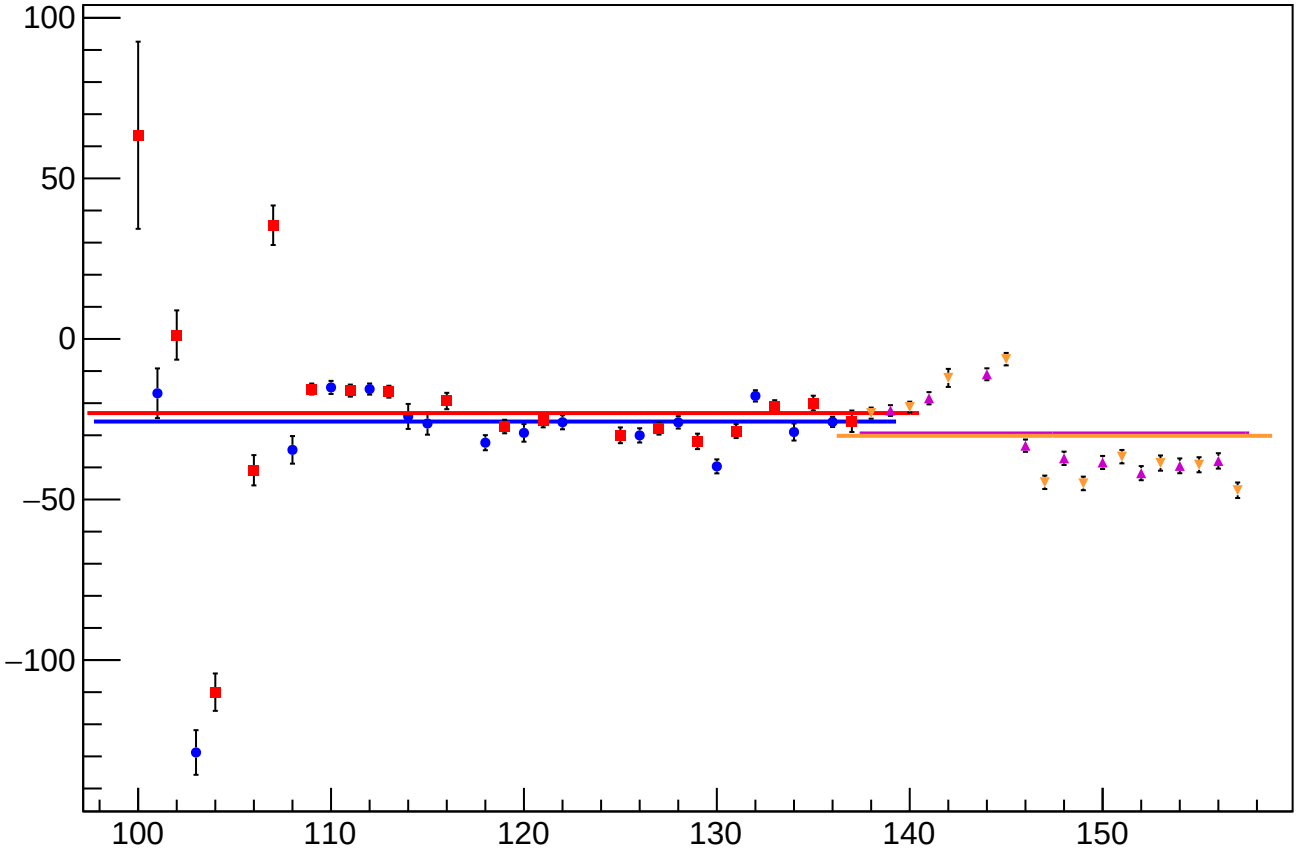
Left In: -65.258+/-0.041 χ^2/NDF:138626.6/8

+ sign -59.402+/-0.034 χ^2/NDF: 821468.8/25

All: -59.450+/-0.024 χ^2/NDF: 1518182.0/52

- sign -59.499+/-0.034 χ^2/NDF: 696709.3/26

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -30.163+/-0.661 χ^2/NDF:420.7/9

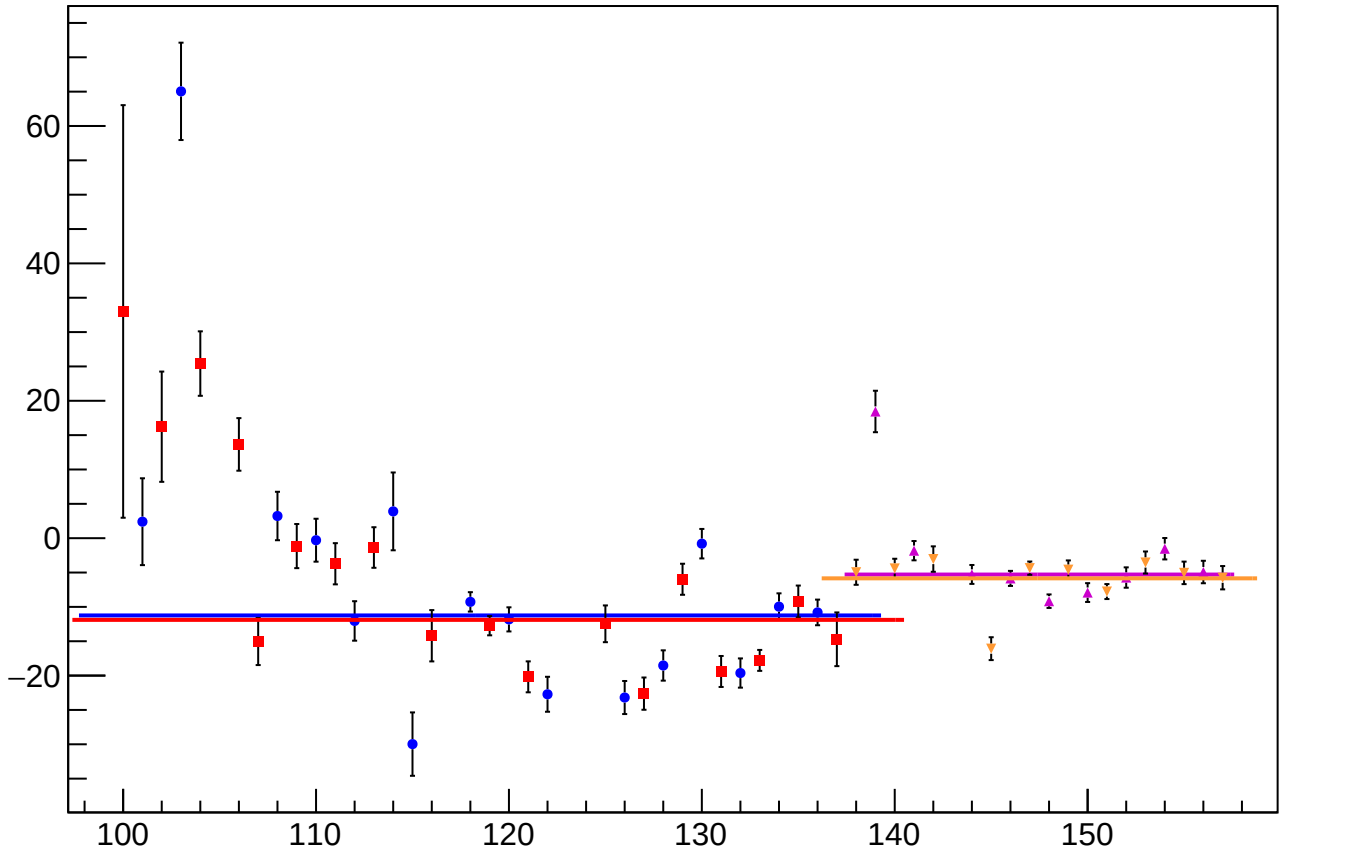
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -29.433+/-0.669 χ^2/NDF:250.3/8

+ sign -27.692+/-0.440 χ^2/NDF: 808.8/25

All: -26.751+/-0.311 χ^2/NDF: 1556.7/52

- sign -25.815+/-0.439 χ^2/NDF: 738.8/26



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.845+/-0.446 χ^2/NDF:50.0/9

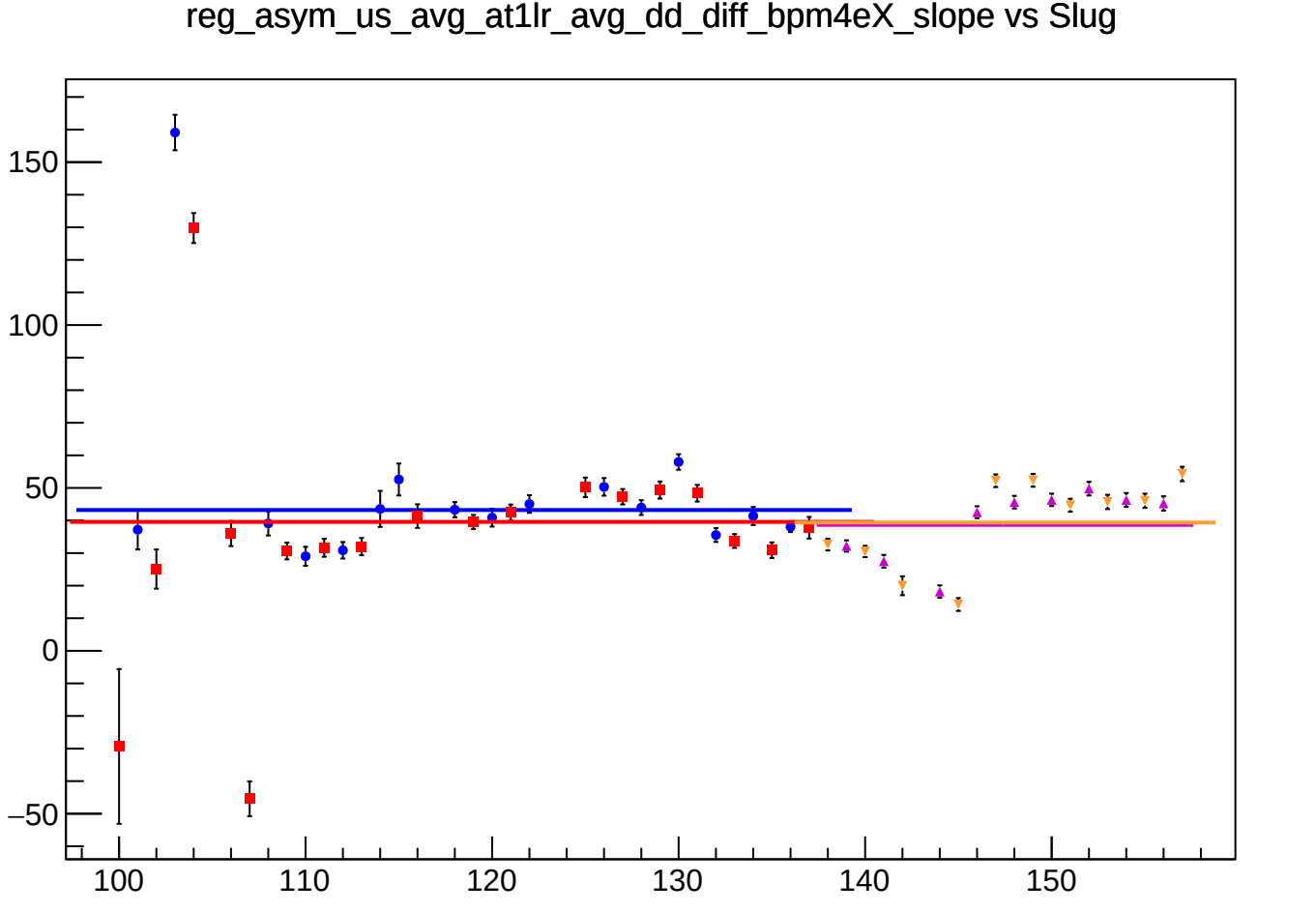
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.294+/-0.457 χ^2/NDF:93.4/8

+ sign -7.768+/-0.358 χ^2/NDF: 373.3/25

All: -7.725+/-0.256 χ^2/NDF: 766.5/52

- sign -7.681+/-0.365 χ^2/NDF: 393.2/26



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 39.369+/-0.645 χ^2/NDF:402.5/9

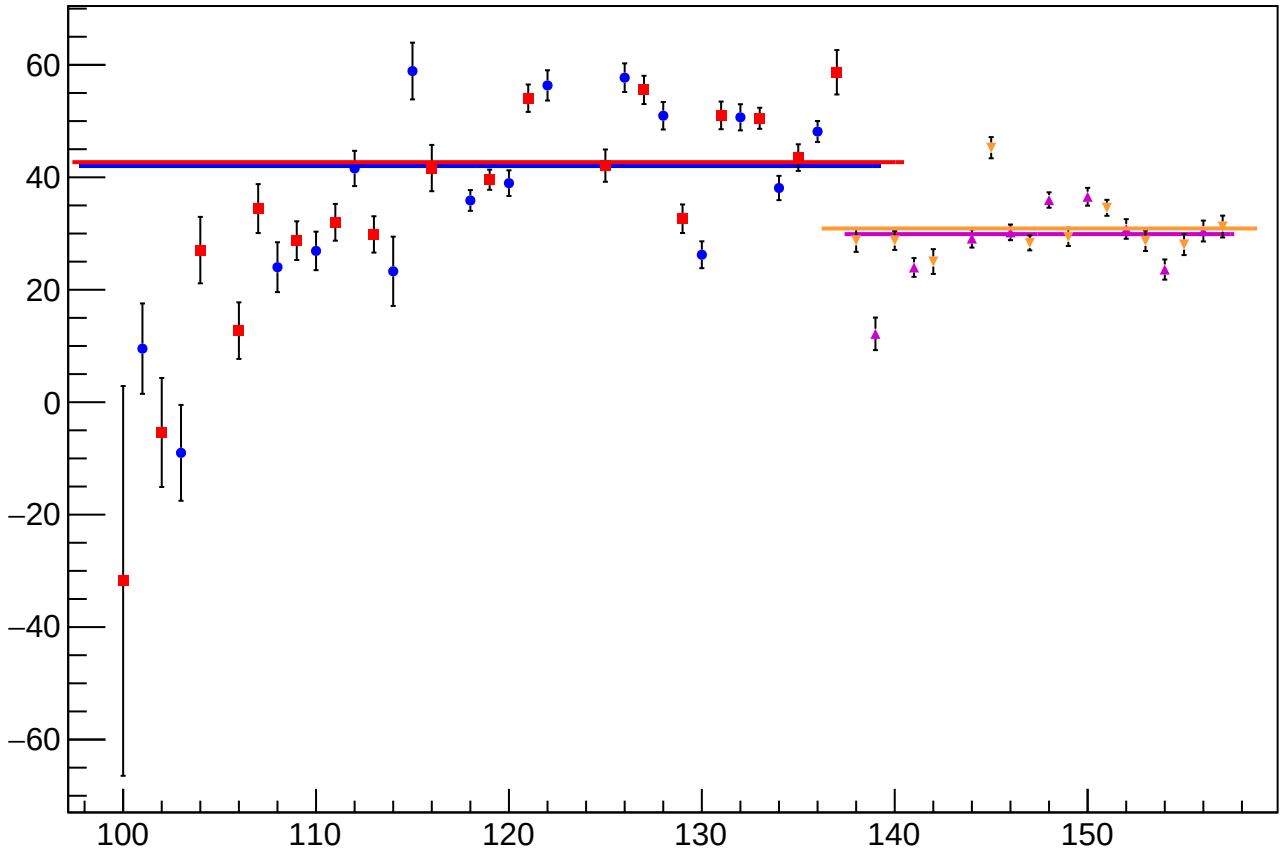
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 38.654+/-0.653 χ^2/NDF:244.2/8

+ sign 41.199+/-0.467 χ^2/NDF: 995.5/25

All: 40.160+/-0.332 χ^2/NDF: 2004.6/52

- sign 39.098+/-0.472 χ^2/NDF: 999.2/26



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.899+/-0.544 χ^2/NDF:83.0/9

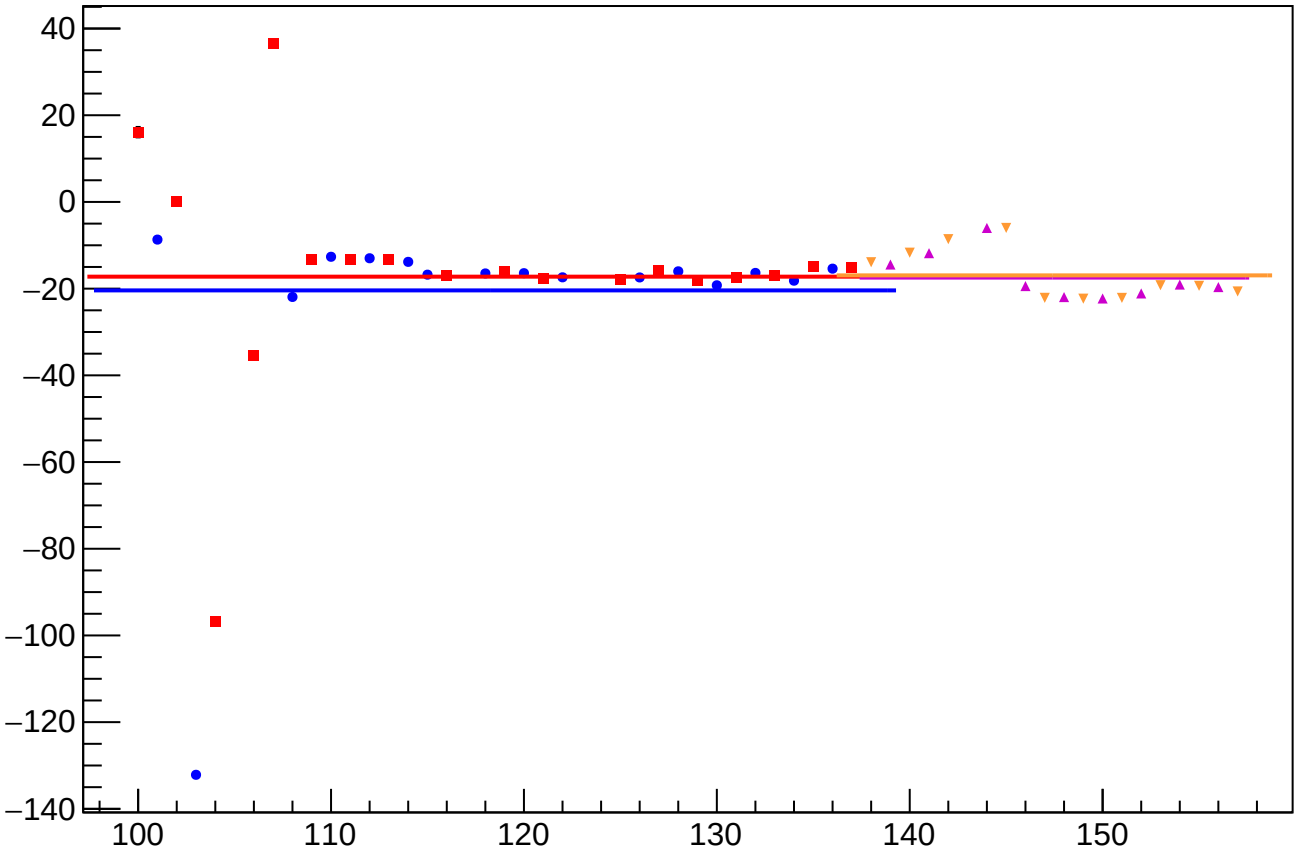
Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 29.898+/-0.555 χ^2/NDF:100.4/8

+ sign 35.206+/-0.426 χ^2/NDF: 517.3/25

All: 35.047+/-0.304 χ^2/NDF: 1055.5/52

- sign 34.883+/-0.434 χ^2/NDF: 537.9/26



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -16.940+/-0.025 χ^2/NDF:47957.6/9

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

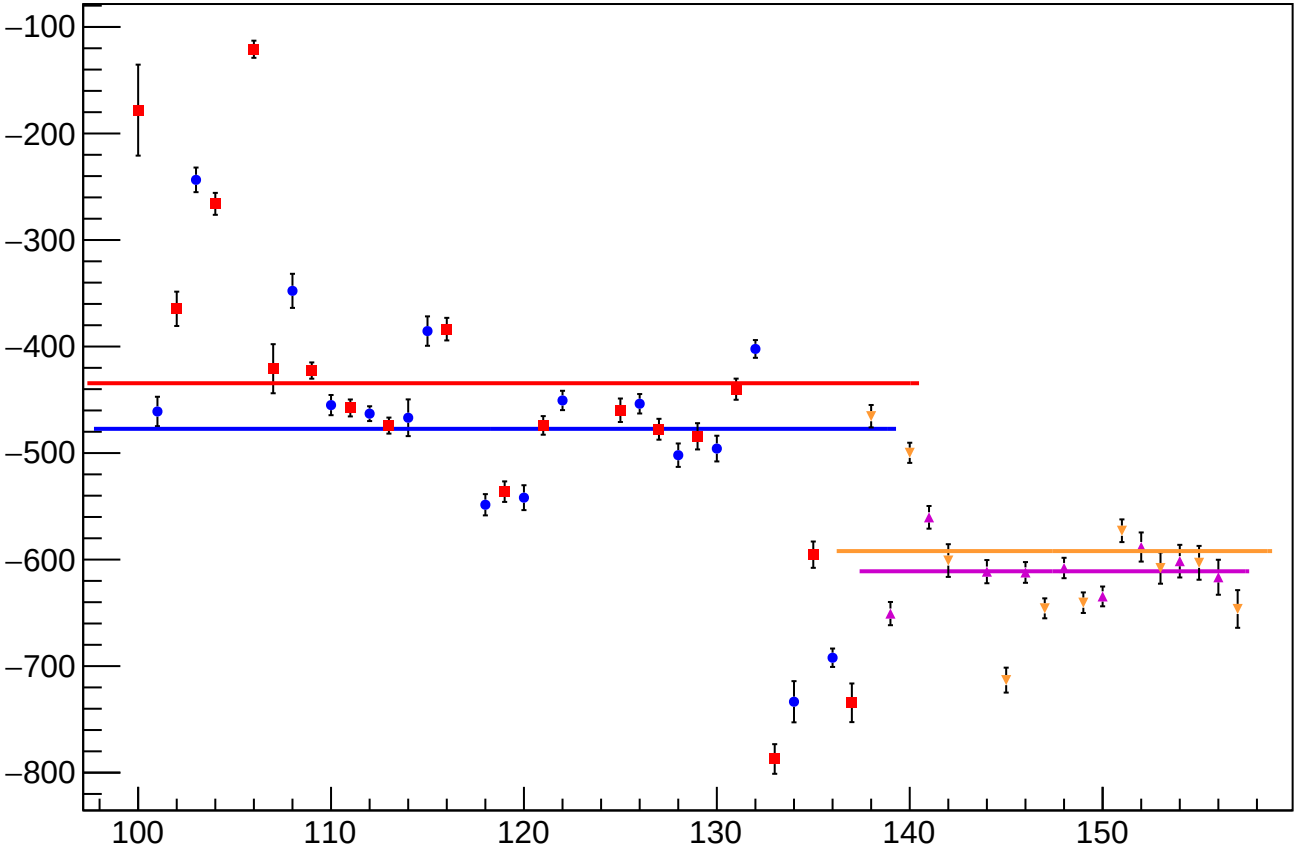
Left In: -17.452+/-0.025 χ^2/NDF:36905.4/8

+ sign -17.849+/-0.021 χ^2/NDF: 298613.5/25

All: -17.627+/-0.015 χ^2/NDF: 540410.4/52

- sign -17.400+/-0.022 χ^2/NDF: 241580.9/26

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -592.023+/-3.664 χ^2/NDF:419.9/9

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

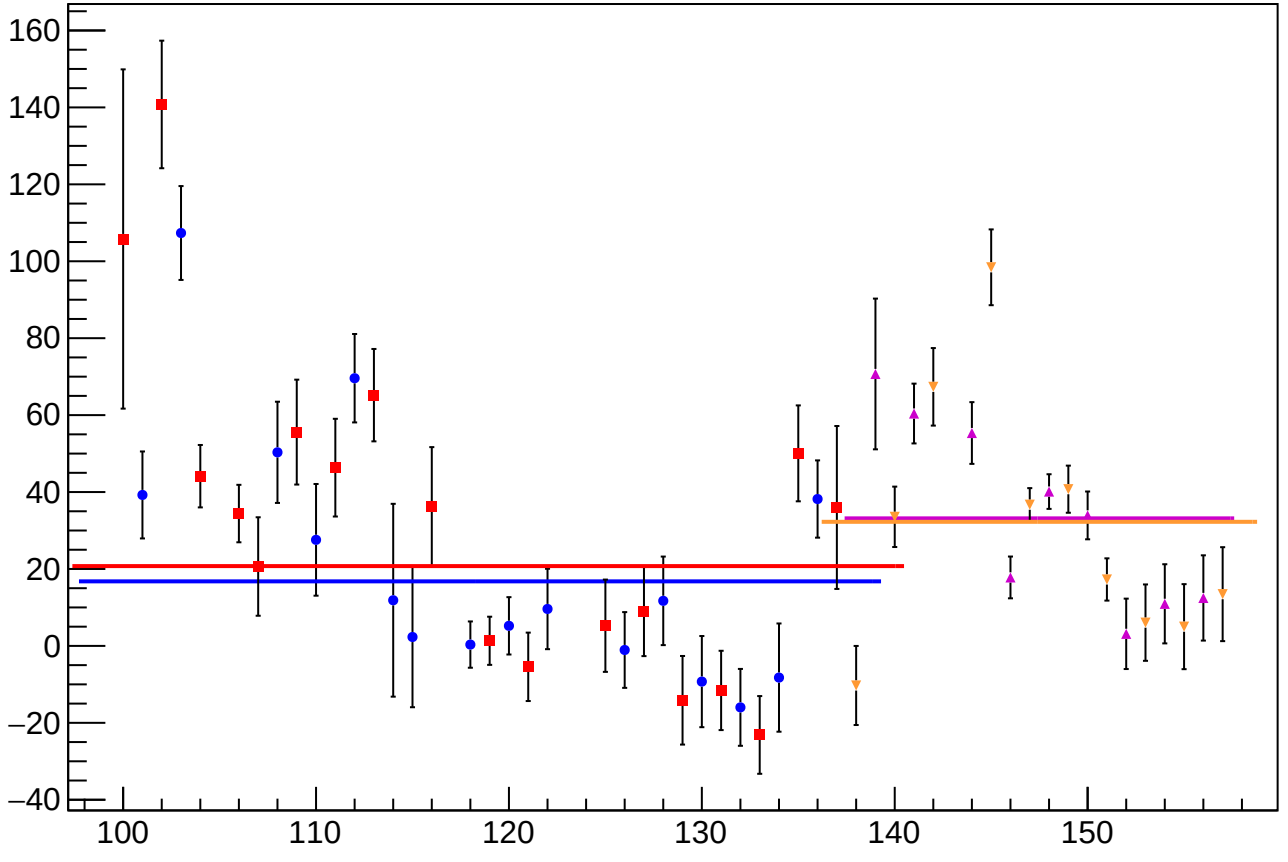
Left In: -610.974+/-3.725 χ^2/NDF:45.8/8

\+ sign -516.340+/-2.138 χ^2/NDF: 2577.7/25

All: -501.692+/-1.482 χ^2/NDF: 7438.0/52

\- sign -488.161+/-2.055 χ^2/NDF: 4770.0/26

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 32.261+/-2.327 χ^2/NDF:100.2/9

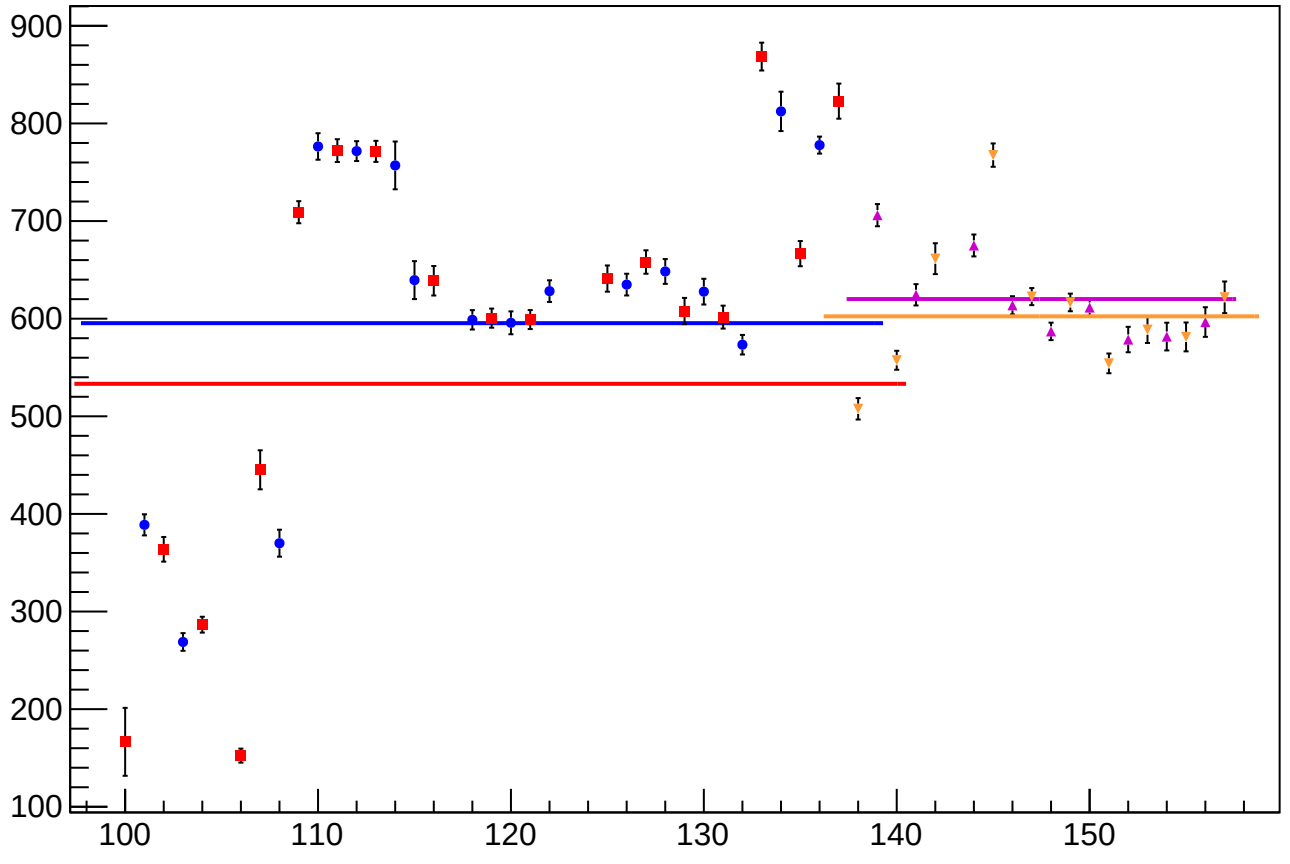
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 33.156+/-2.402 χ^2/NDF:52.9/8

+ sign 25.533+/-1.750 χ^2/NDF: 244.5/25

All: 26.426+/-1.237 χ^2/NDF: 468.4/52

- sign 27.318+/-1.748 χ^2/NDF: 223.4/26



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 602.406+/-3.562 χ^2/NDF:335.5/9

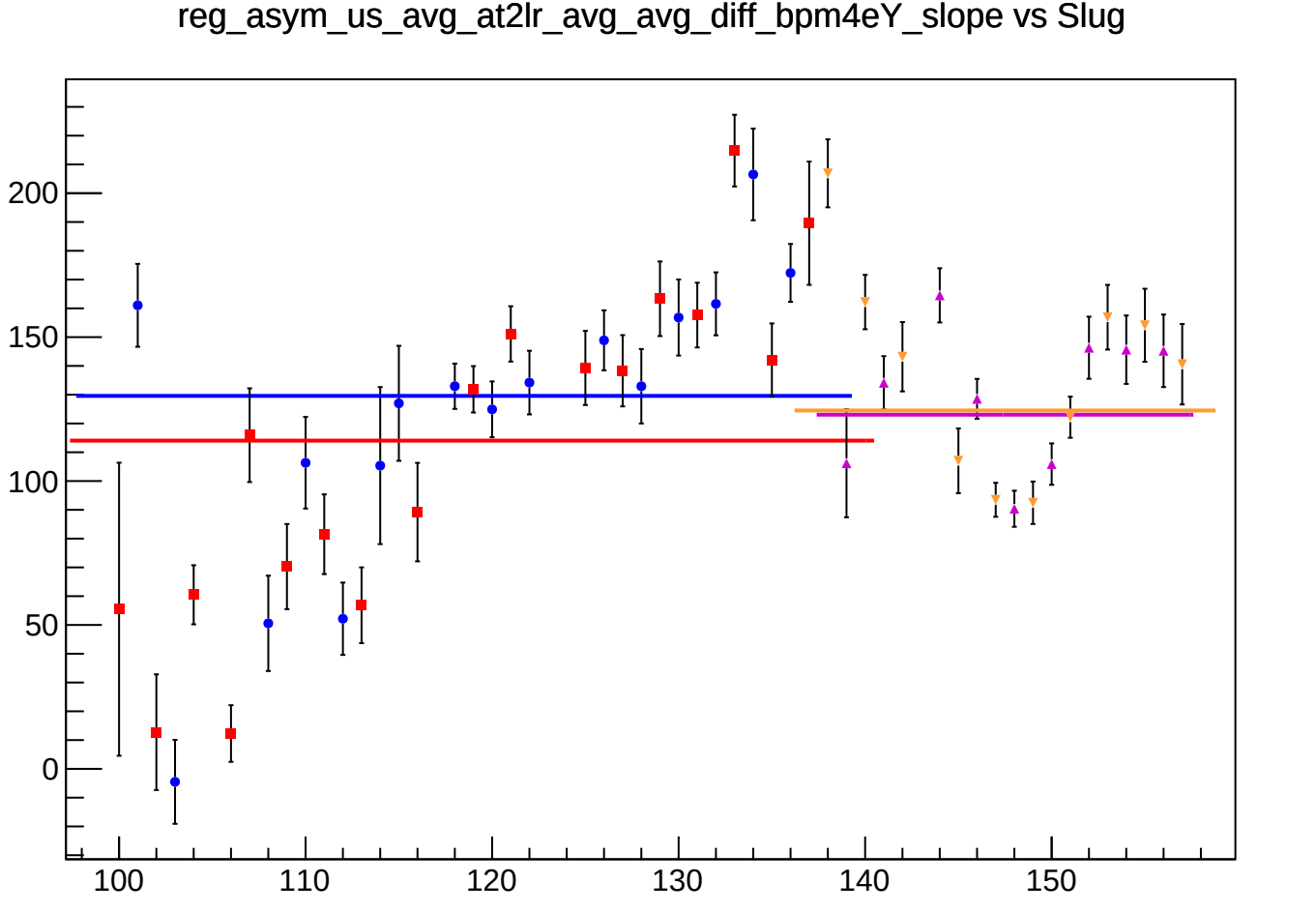
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 620.091+/-3.614 χ^2/NDF:116.3/8

+ sign 598.231+/-2.263 χ^2/NDF: 3397.5/25

All: 581.076+/-1.572 χ^2/NDF: 10493.6/52

- sign 565.057+/-2.186 χ^2/NDF: 6984.9/26



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 124.520+/-2.897 χ^2/NDF:131.1/9

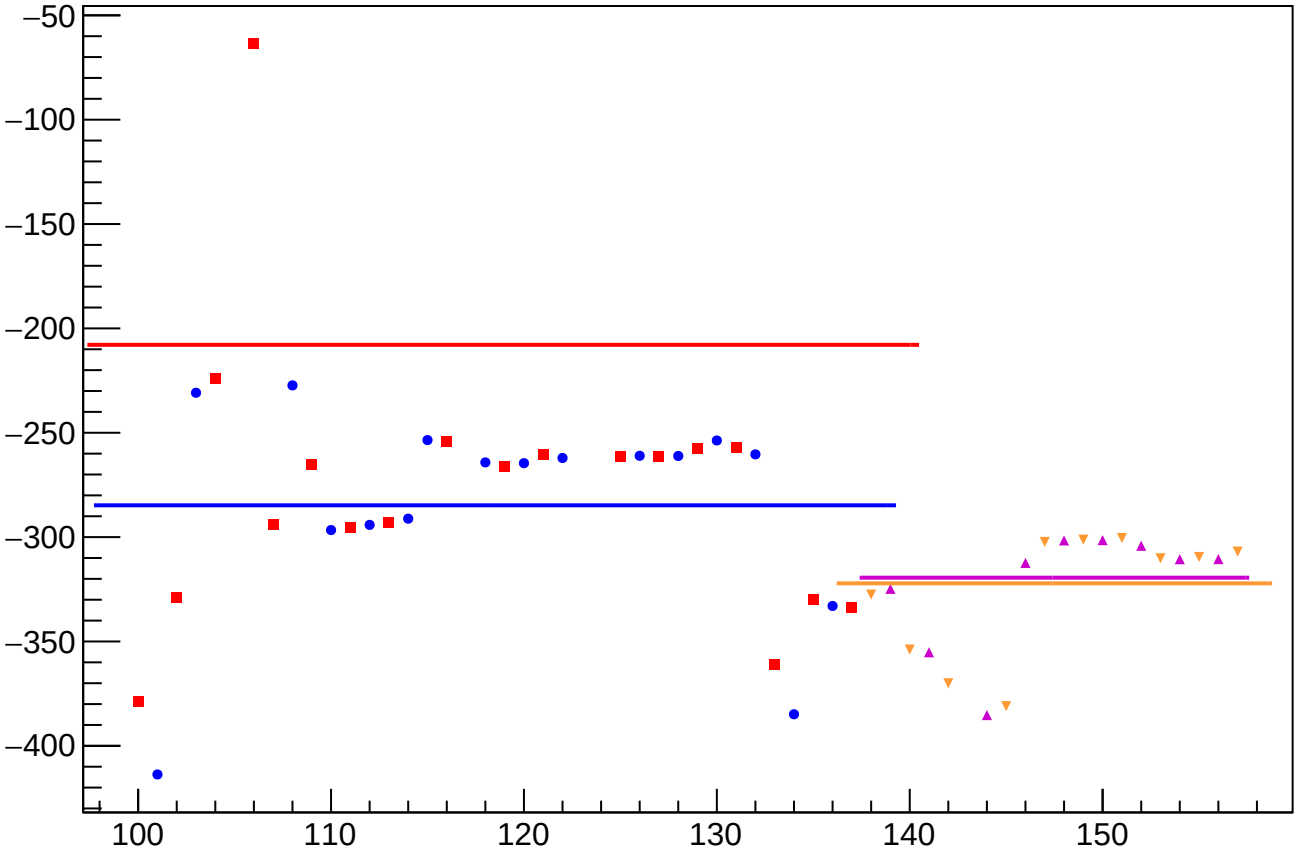
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 123.053+/-2.969 χ^2/NDF:66.5/8

+ sign 126.898+/-2.111 χ^2/NDF: 343.7/25

All: 122.712+/-1.489 χ^2/NDF: 758.6/52

- sign 118.560+/-2.102 χ^2/NDF: 407.0/26



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -322.146+/-0.143 χ^2/NDF:37007.5/9

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

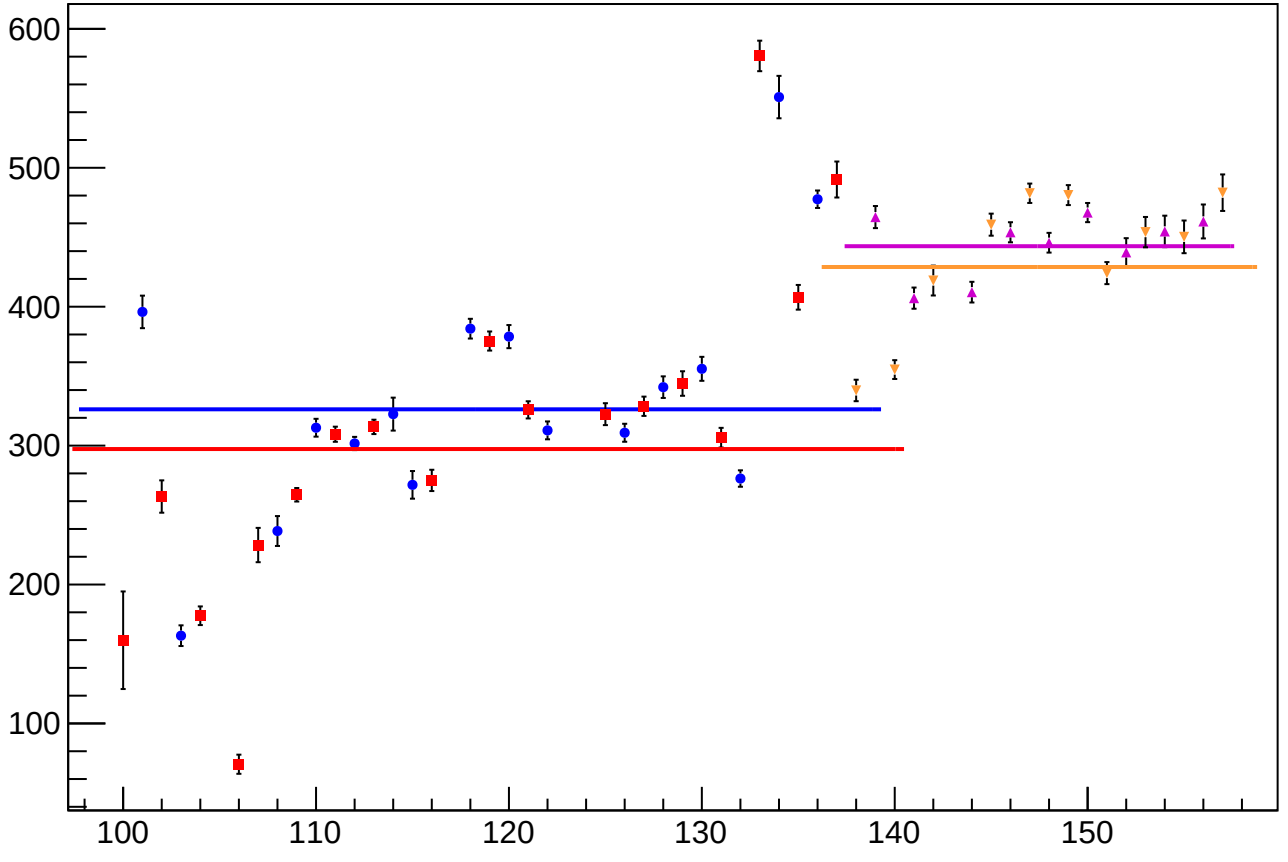
Left In: -319.441+/-0.141 χ^2/NDF:30778.1/8

+ sign -307.479+/-0.111 χ^2/NDF: 168311.2/25

All: -285.344+/-0.075 χ^2/NDF: 1104526.6/52

- sign -266.550+/-0.102 χ^2/NDF: 862974.5/26

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 428.575+/-2.670 χ^2/NDF:402.3/9

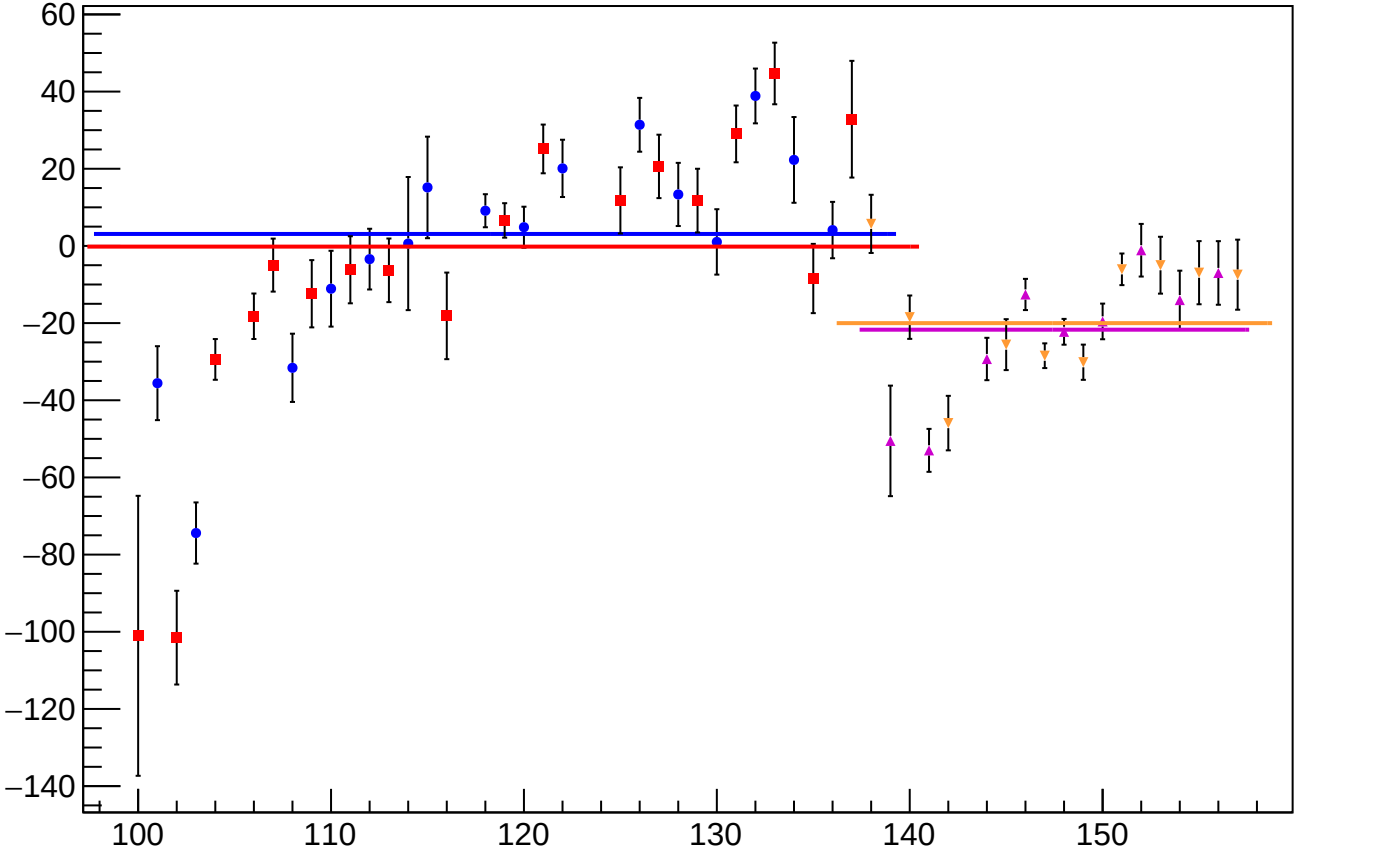
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 443.551+/-2.720 χ^2/NDF:68.3/8

+ sign 359.530+/-1.524 χ^2/NDF: 3037.6/25

All: 349.227+/-1.055 χ^2/NDF: 8017.1/52

- sign 339.742+/-1.463 χ^2/NDF: 4891.8/26



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -20.010+/-1.708 χ^2/NDF:58.0/9

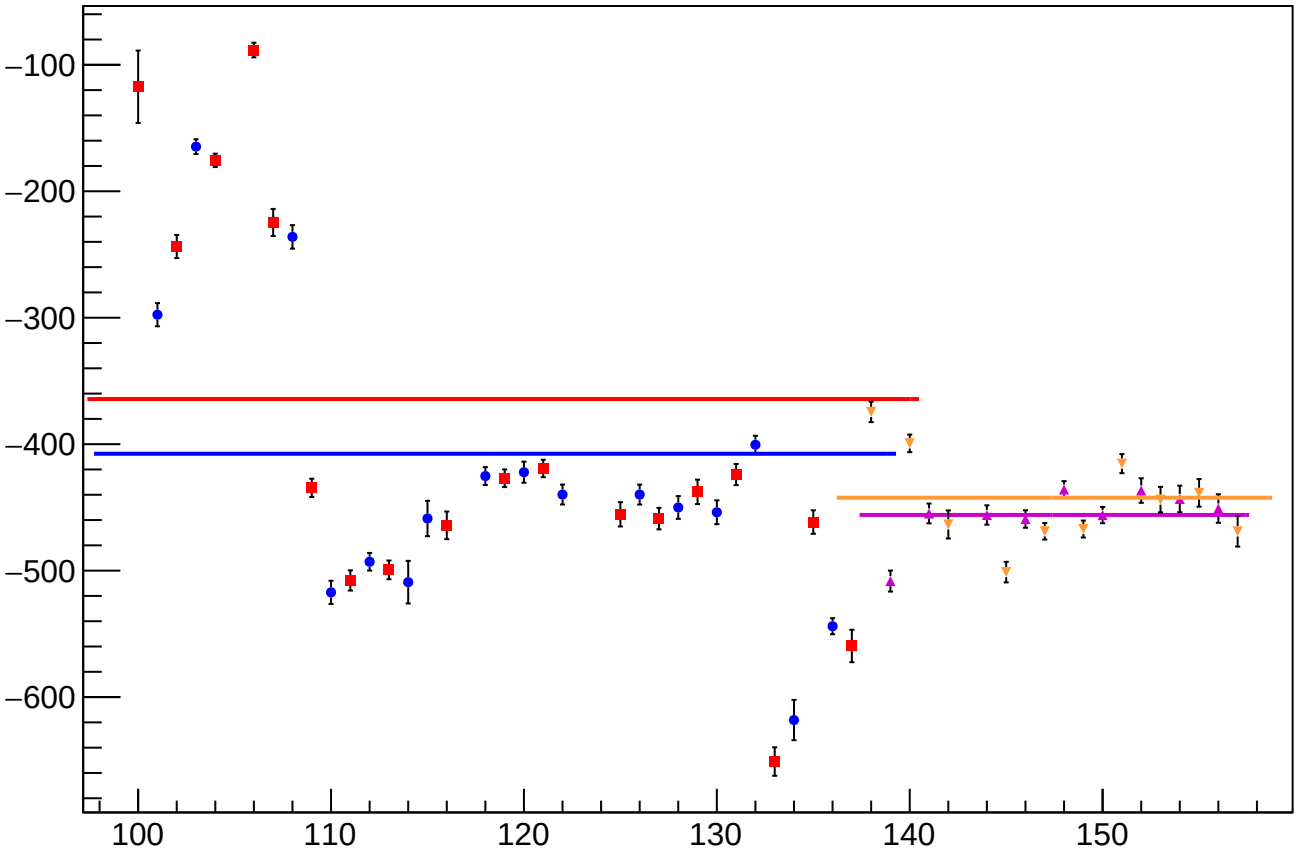
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -21.712+/-1.764 χ^2/NDF:56.2/8

\+ sign -9.633+/-1.268 χ^2/NDF: 324.7/25

All: -10.378+/-0.893 χ^2/NDF: 660.1/52

\- sign -11.109+/-1.257 χ^2/NDF: 334.7/26



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -442.321+/-2.602 χ^2/NDF:213.0/9

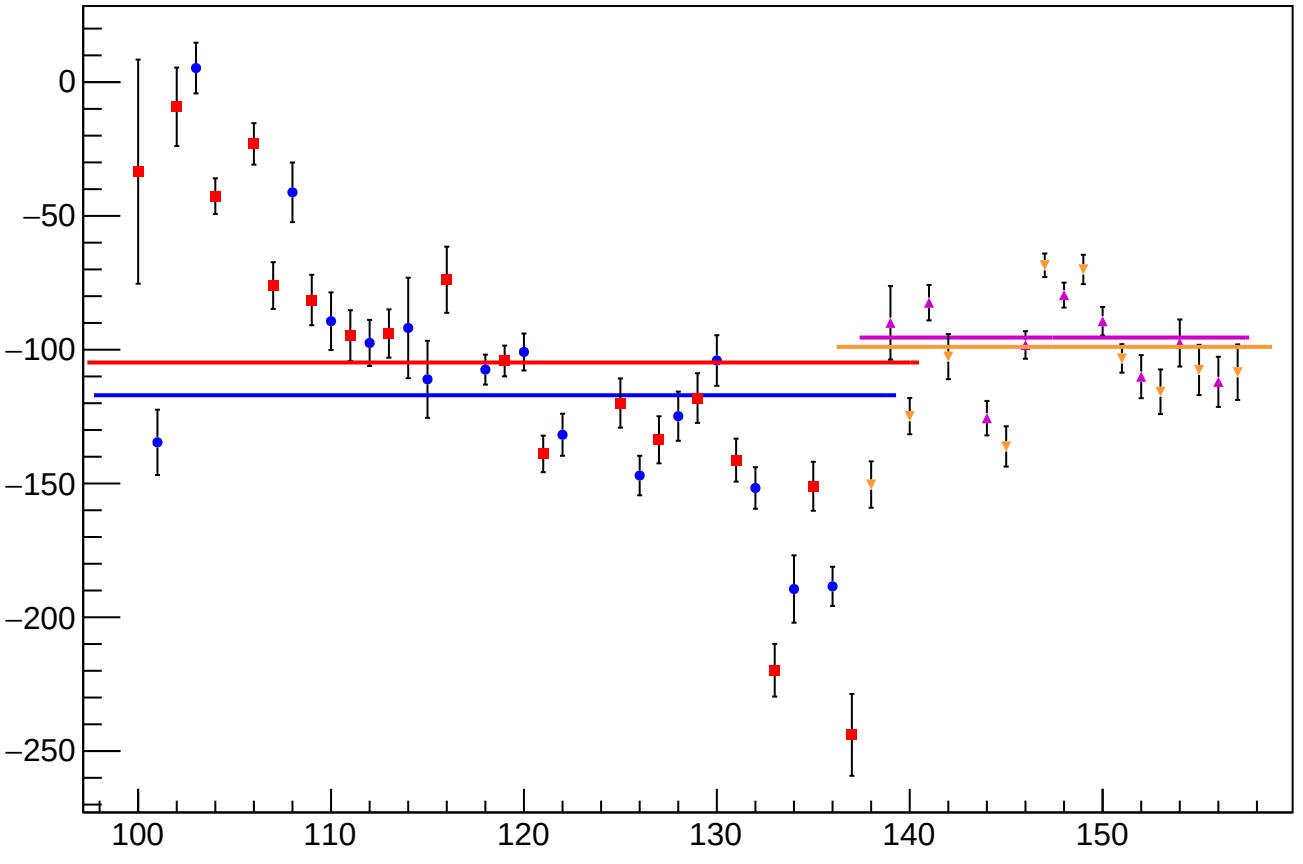
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -455.943+/-2.644 χ^2/NDF:54.8/8

\+ sign -421.074+/-1.622 χ^2/NDF: 3602.7/25

All: -408.319+/-1.126 χ^2/NDF: 10777.1/52

\- sign -396.433+/-1.565 χ^2/NDF: 7054.9/26



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.948+/-2.122 χ^2/NDF:156.7/9

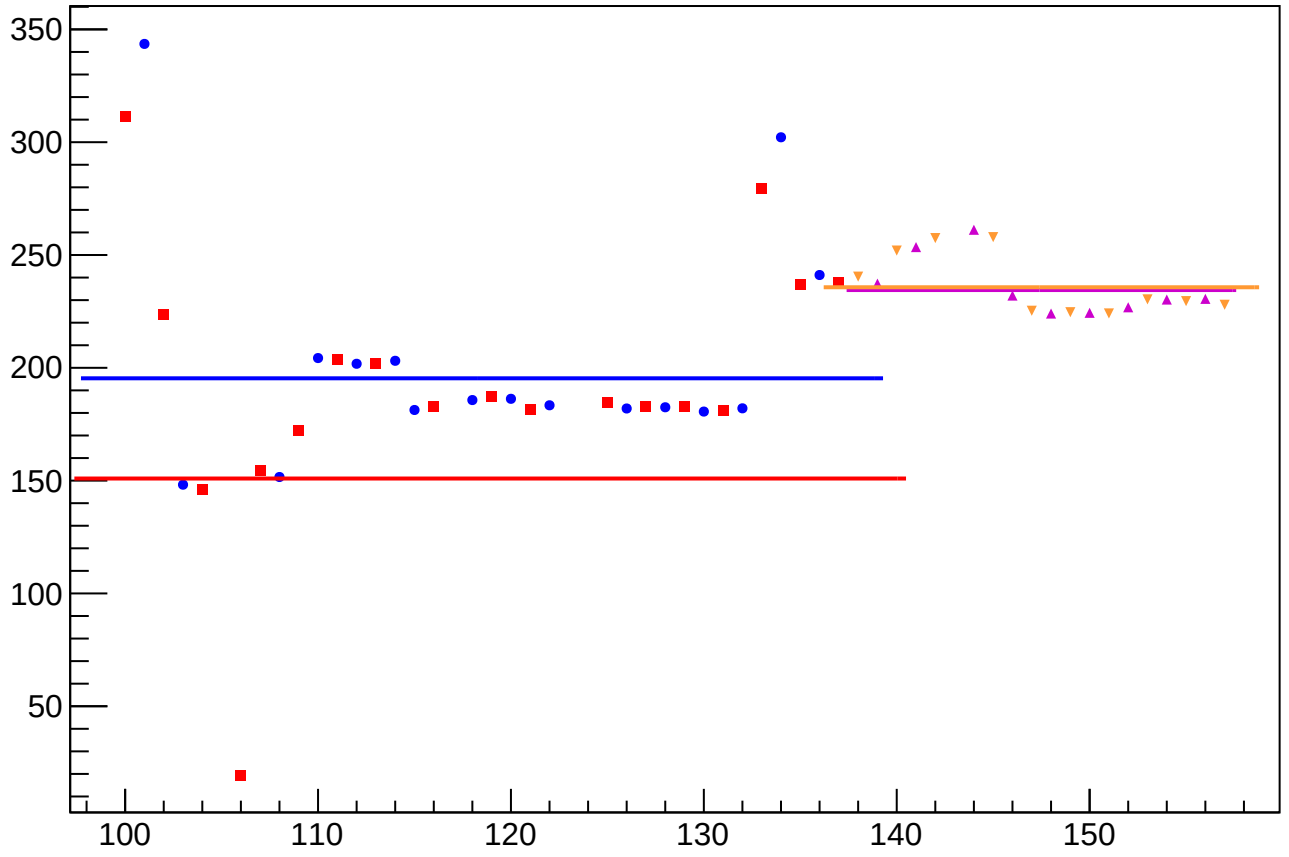
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -95.459+/-2.178 χ^2/NDF:45.6/8

+ sign -107.684+/-1.526 χ^2/NDF: 599.6/25

All: -103.954+/-1.073 χ^2/NDF: 1241.6/52

- sign -100.309+/-1.508 χ^2/NDF: 630.2/26



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 235.700+/-0.104 χ^2/NDF:15210.9/9

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

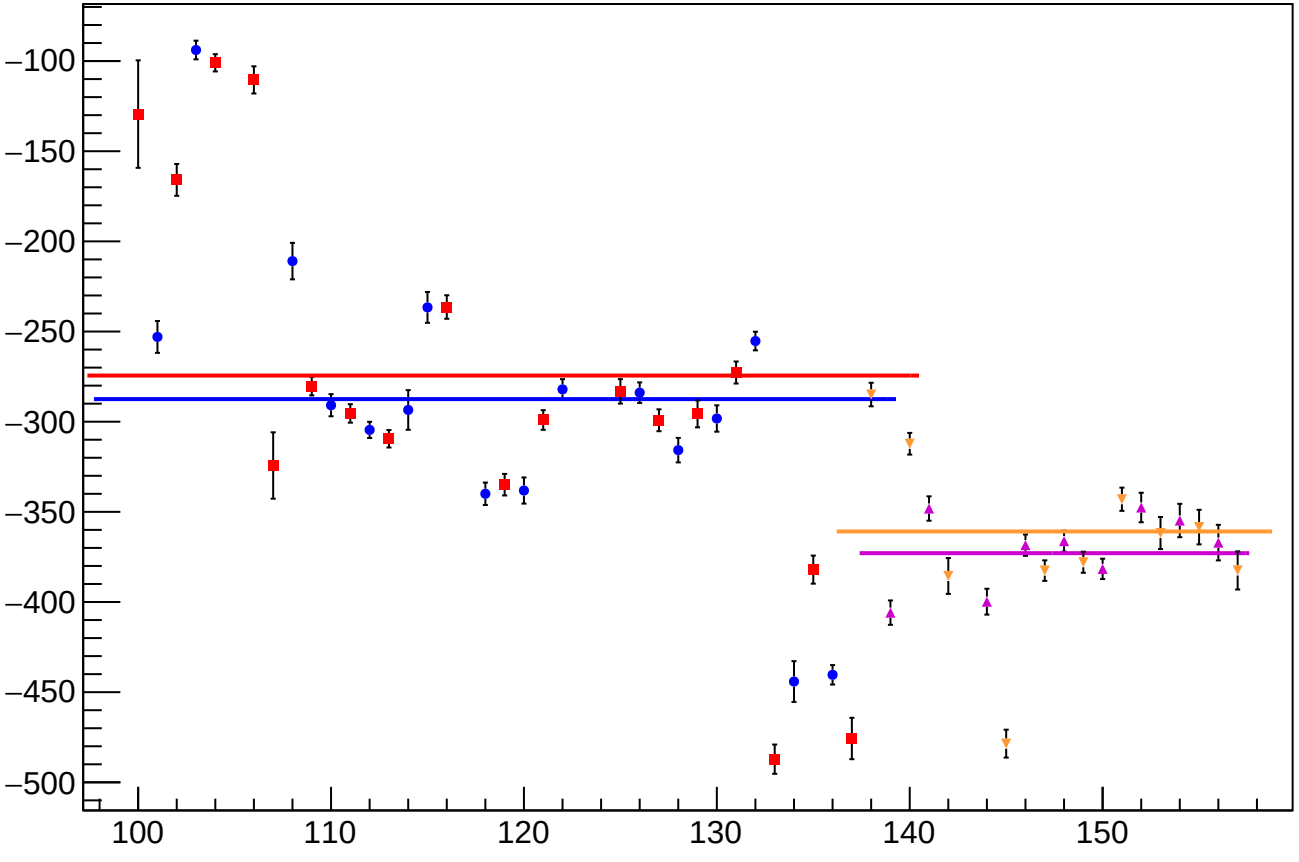
Left In: 234.471+/-0.104 χ^2/NDF:13470.1/8

+ sign 219.078+/-0.080 χ^2/NDF: 253823.4/25

All: 206.476+/-0.055 χ^2/NDF: 1118510.8/52

- sign 195.254+/-0.075 χ^2/NDF: 817764.4/26

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -360.876+/-2.265 χ^2/NDF:473.6/9

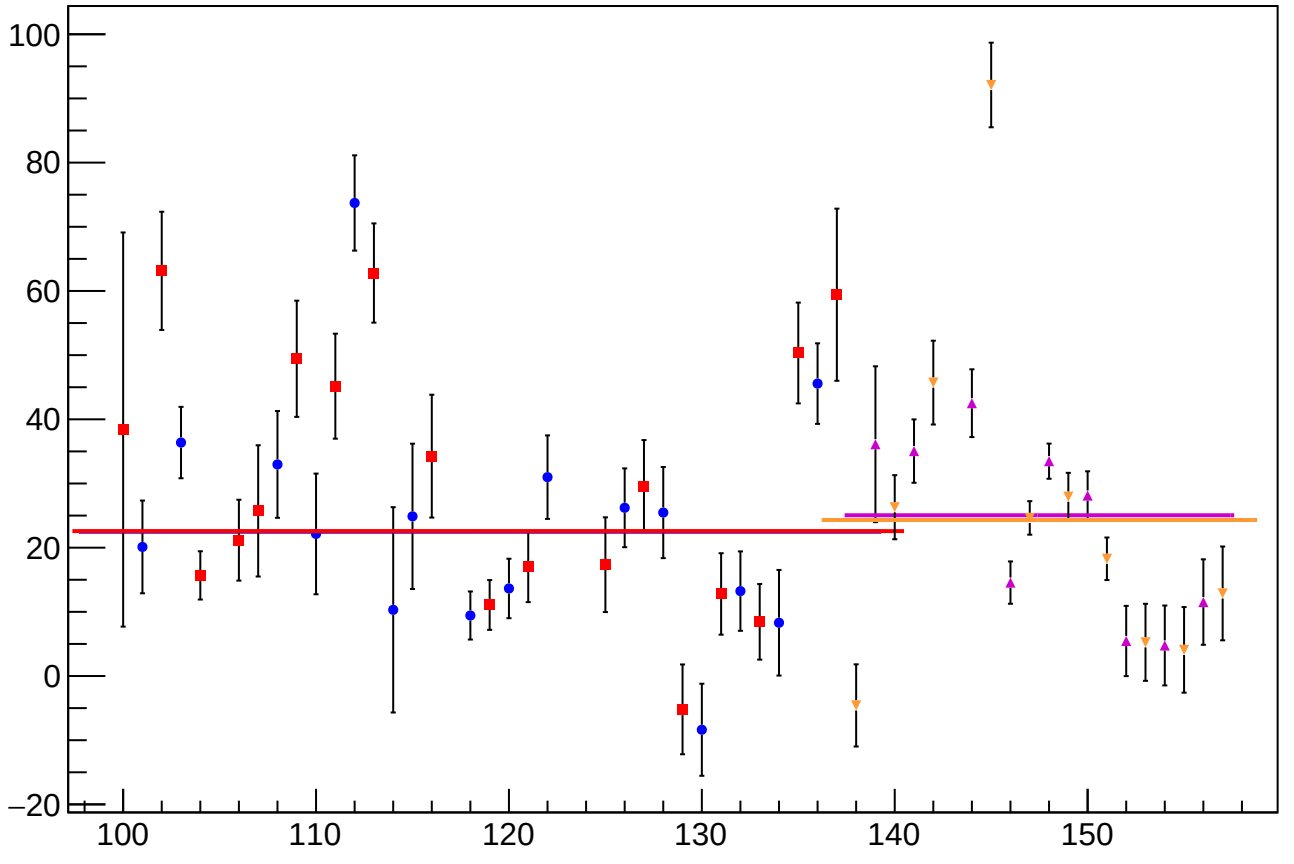
Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -372.916+/-2.298 χ^2/NDF:69.3/8

+ sign -312.133+/-1.313 χ^2/NDF: 3867.3/25

All: -308.625+/-0.919 χ^2/NDF: 8626.3/52

- sign -305.262+/-1.286 χ^2/NDF: 4745.0/26



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 24.312+/-1.428 χ^2/NDF:163.1/9

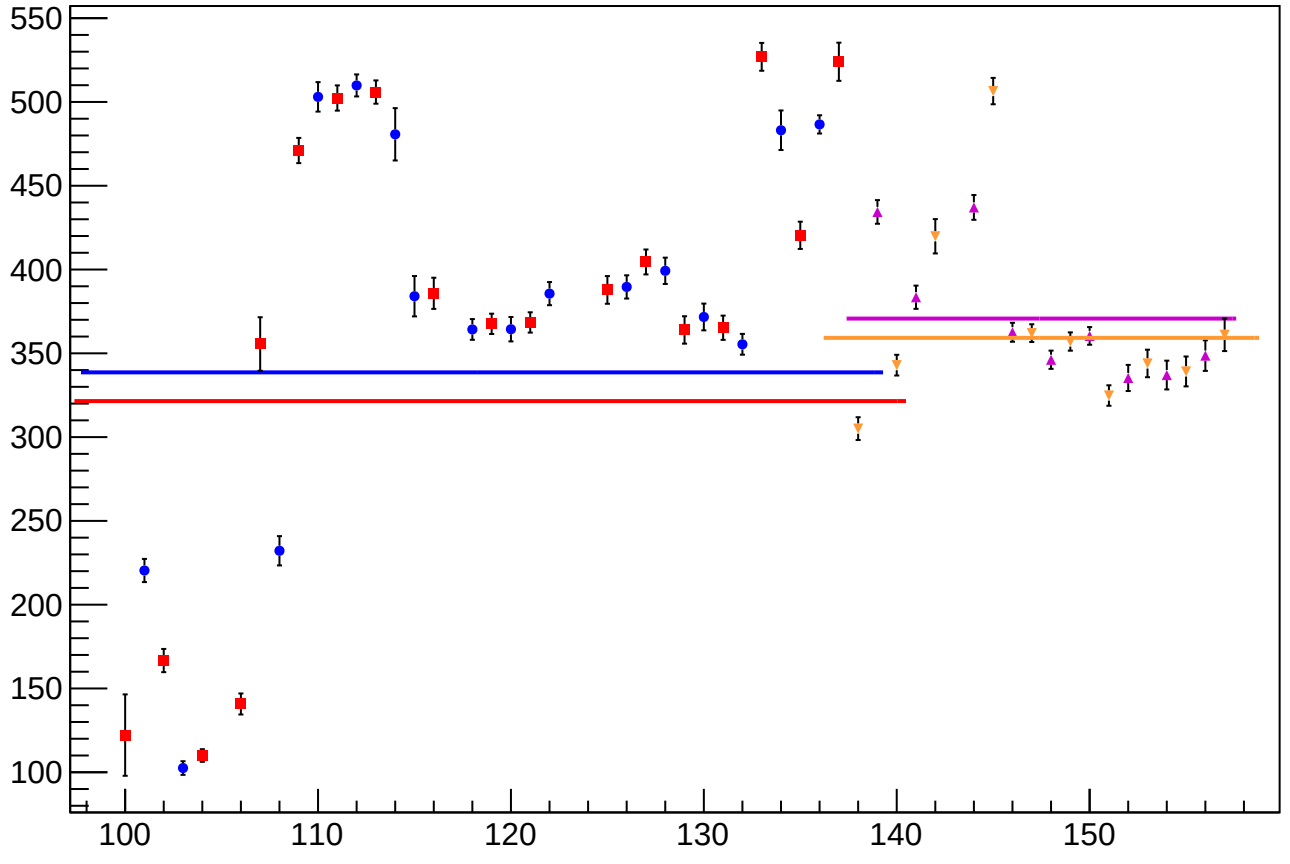
Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 25.050+/-1.473 χ^2/NDF:63.7/8

+ sign 23.517+/-1.072 χ^2/NDF: 275.2/25

All: 23.704+/-0.759 χ^2/NDF: 463.6/52

- sign 23.893+/-1.074 χ^2/NDF: 188.3/26



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 359.233+/-2.196 χ^2/NDF:495.5/9

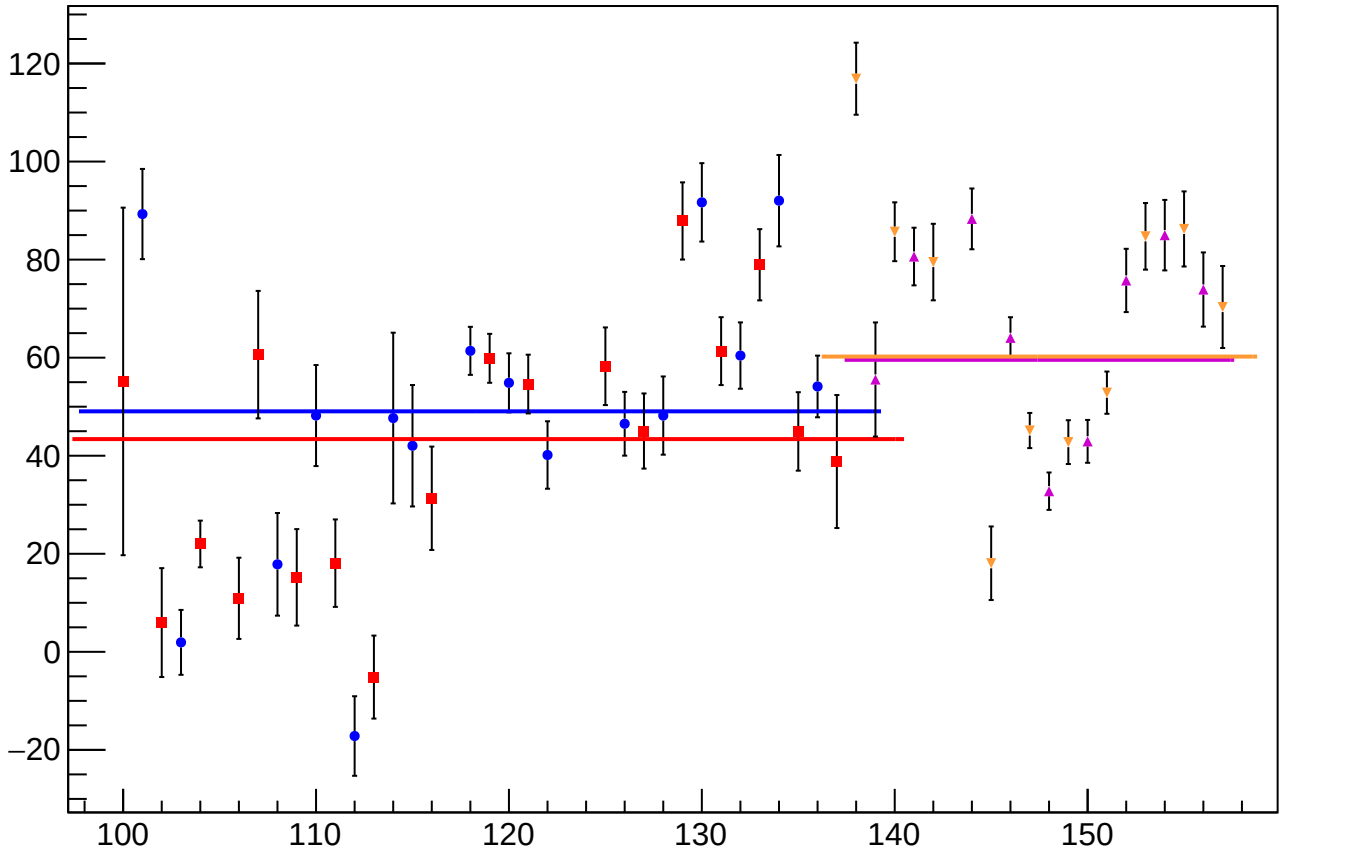
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 370.735+/-2.224 χ^2/NDF:233.6/8

+ sign 346.622+/-1.368 χ^2/NDF: 6592.0/25

All: 343.047+/-0.960 χ^2/NDF: 14869.9/52

- sign 339.575+/-1.348 χ^2/NDF: 8264.5/26



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 60.223+/-1.781 χ^2/NDF:177.0/9

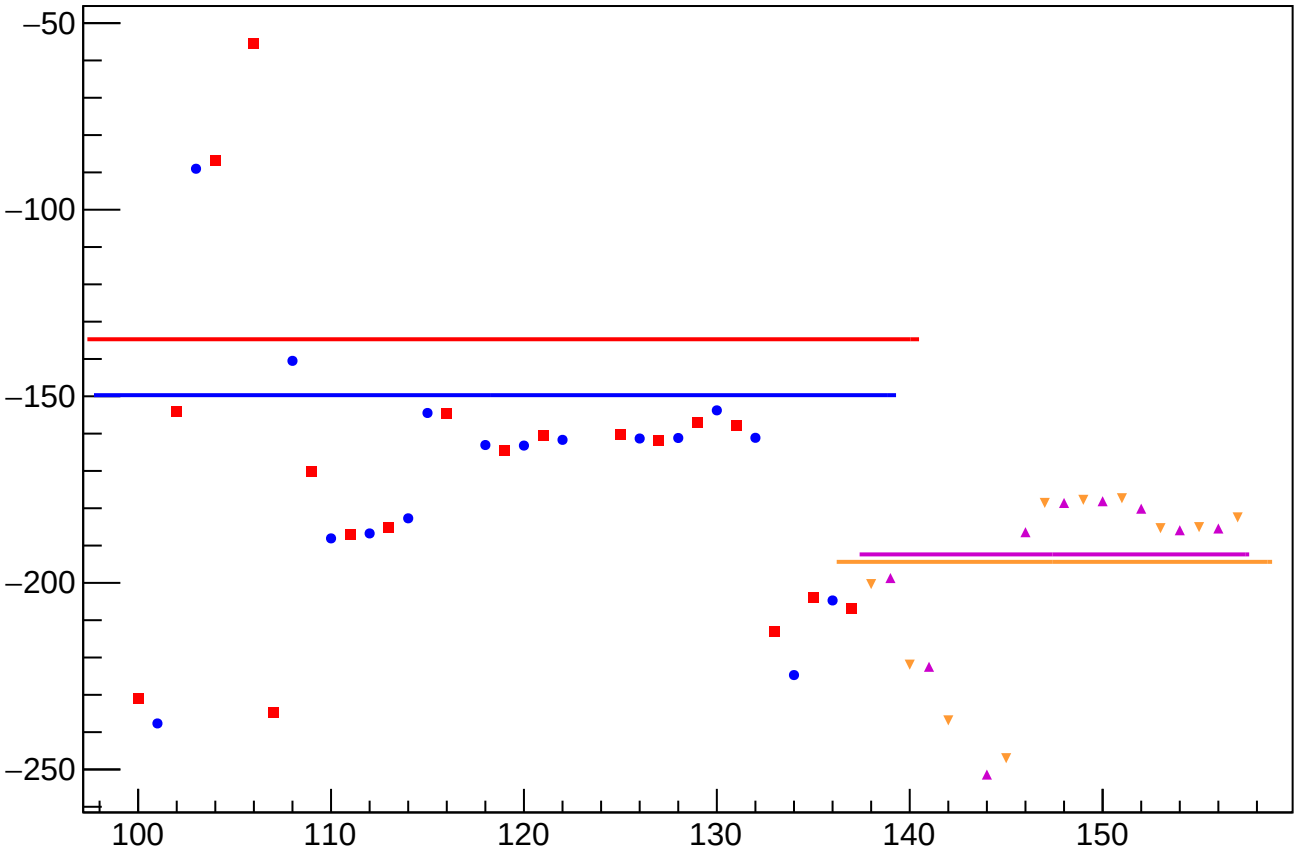
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 59.561+/-1.823 χ^2/NDF:121.8/8

\+ sign 54.947+/-1.294 χ^2/NDF: 403.5/25

All: 53.234+/-0.915 χ^2/NDF: 747.9/52

\- sign 51.523+/-1.293 χ^2/NDF: 340.9/26



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -194.362+/-0.088 χ^2/NDF:67117.3/9

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

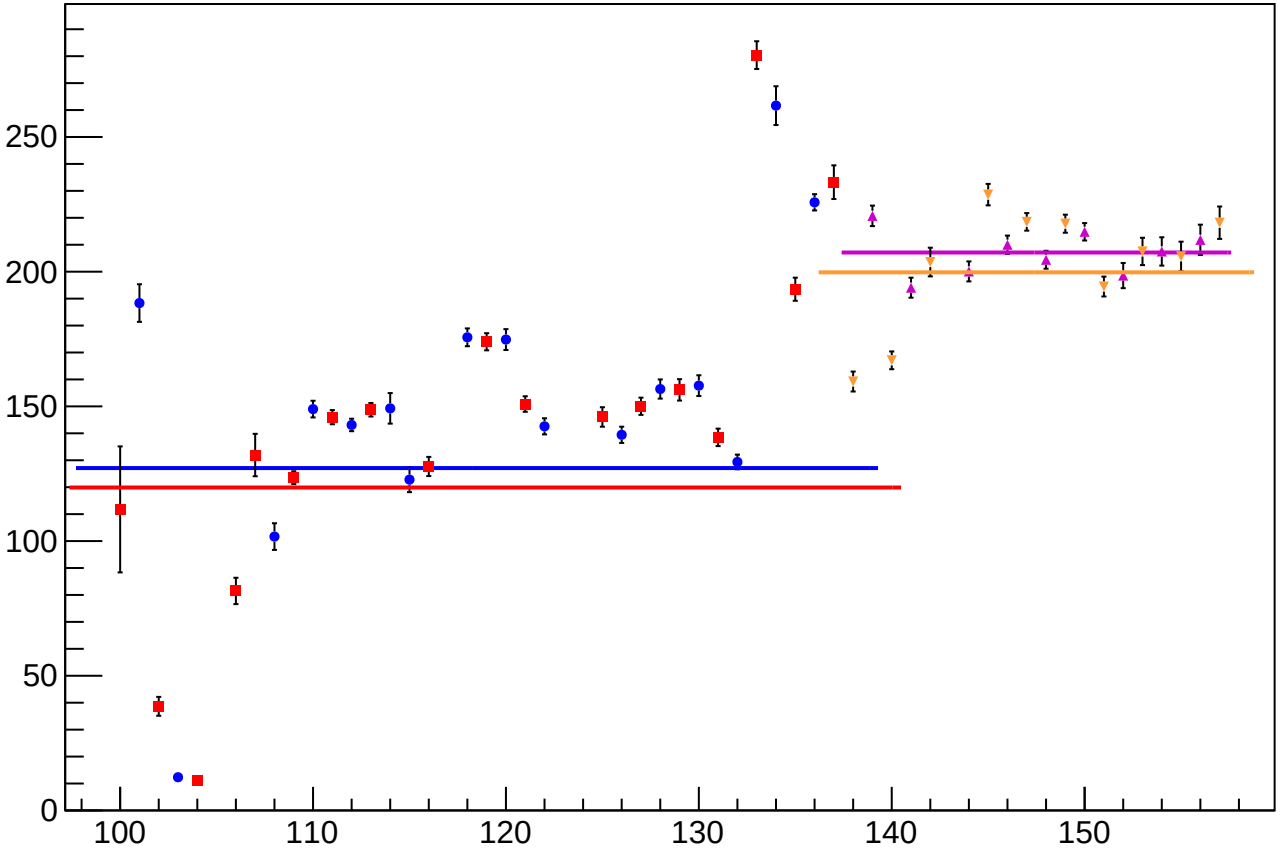
Left In: -192.368+/-0.087 χ^2/NDF:55451.5/8

+ sign -175.104+/-0.066 χ^2/NDF: 435226.3/25

All: -170.828+/-0.046 χ^2/NDF: 1007779.0/52

- sign -166.750+/-0.065 χ^2/NDF: 564401.6/26

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.769+/-1.270 χ^2/NDF:347.3/9

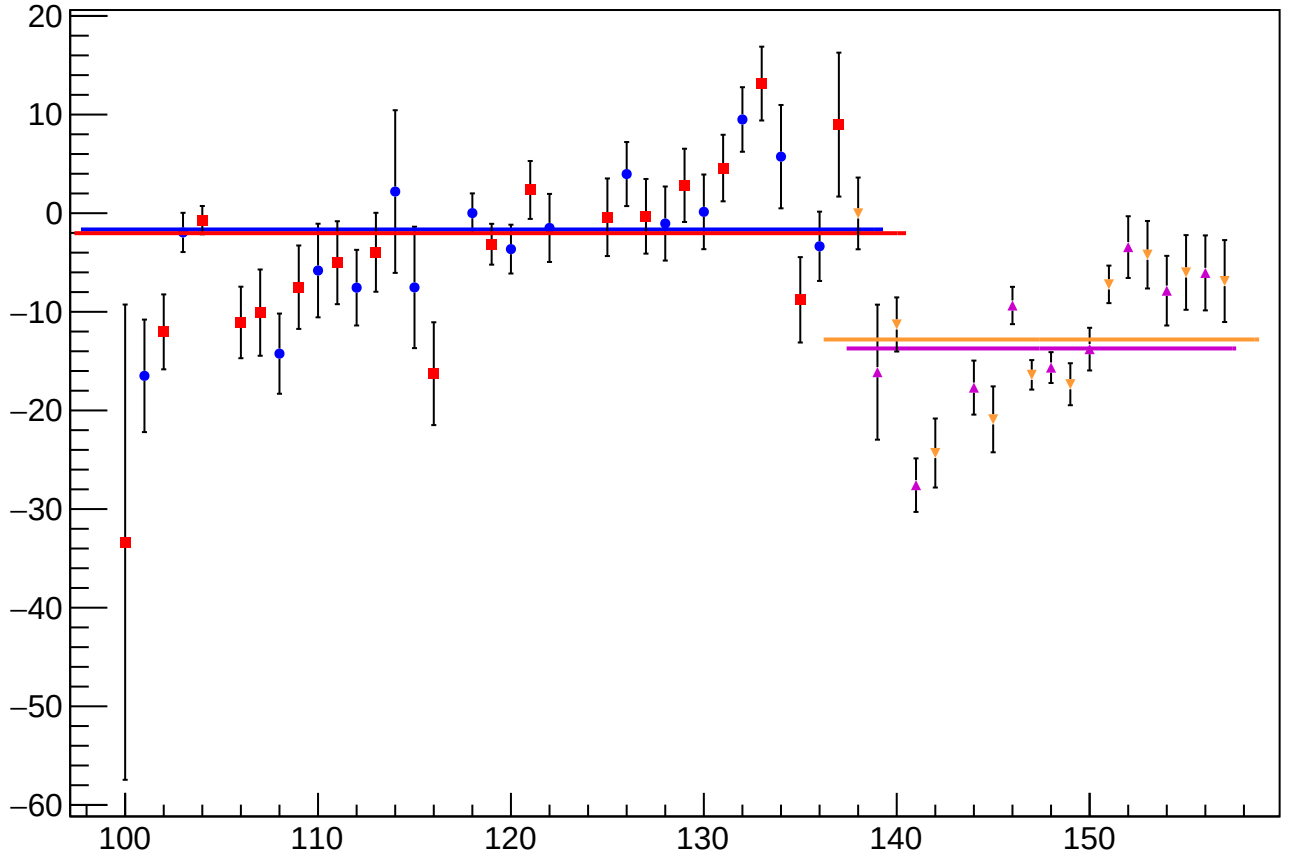
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.120+/-1.290 χ^2/NDF:39.8/8

\+ sign 148.138+/-0.683 χ^2/NDF: 8836.0/25

All: 145.483+/-0.476 χ^2/NDF: 18915.3/52

\- sign 142.978+/-0.664 χ^2/NDF: 10050.0/26



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -12.807+/-0.807 χ^2/NDF:59.8/9

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

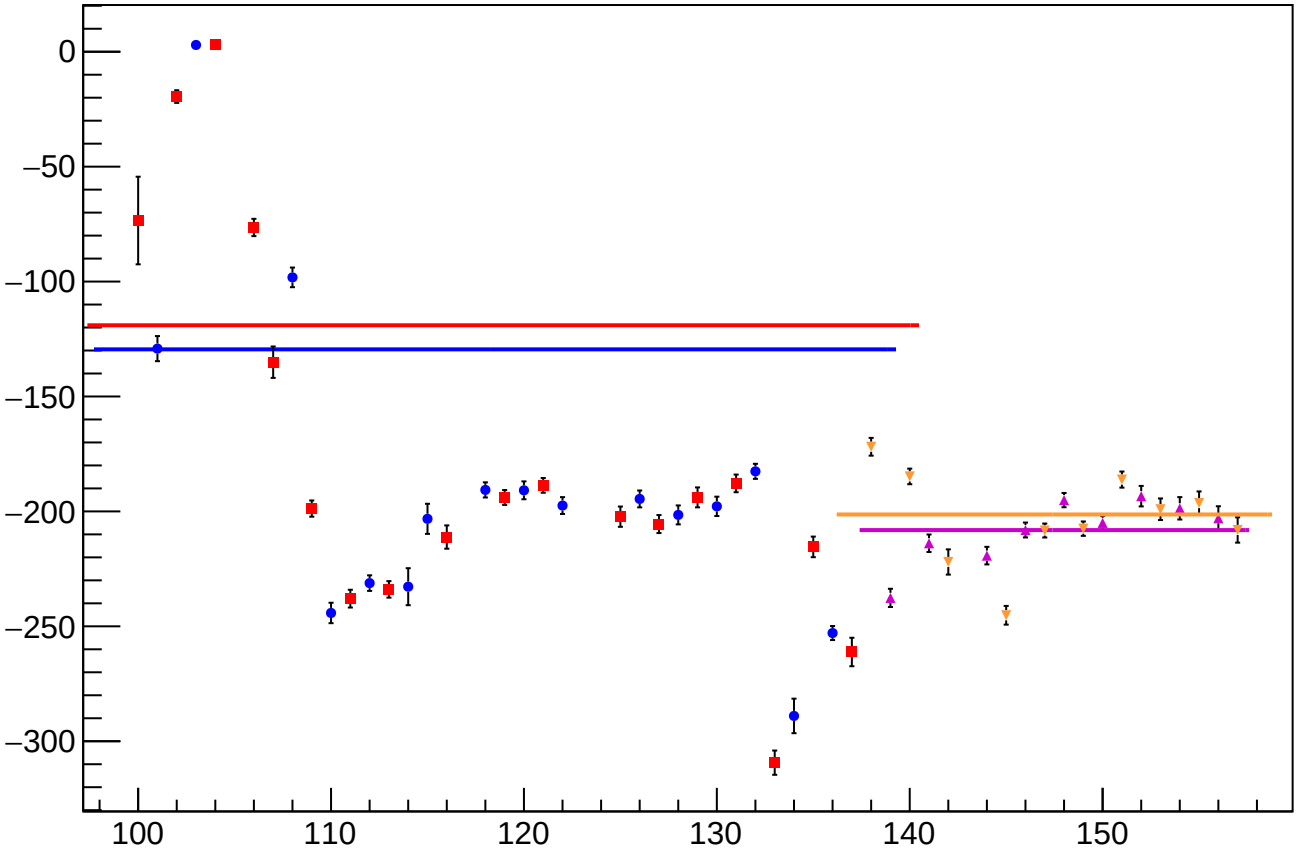
Left In: -13.716+/-0.832 χ^2/NDF:52.7/8

+ sign -7.404+/-0.579 χ^2/NDF: 191.4/25

All: -7.412+/-0.405 χ^2/NDF: 409.0/52

- sign -7.419+/-0.565 χ^2/NDF: 217.5/26

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.334+/-1.235 χ^2/NDF:242.5/9

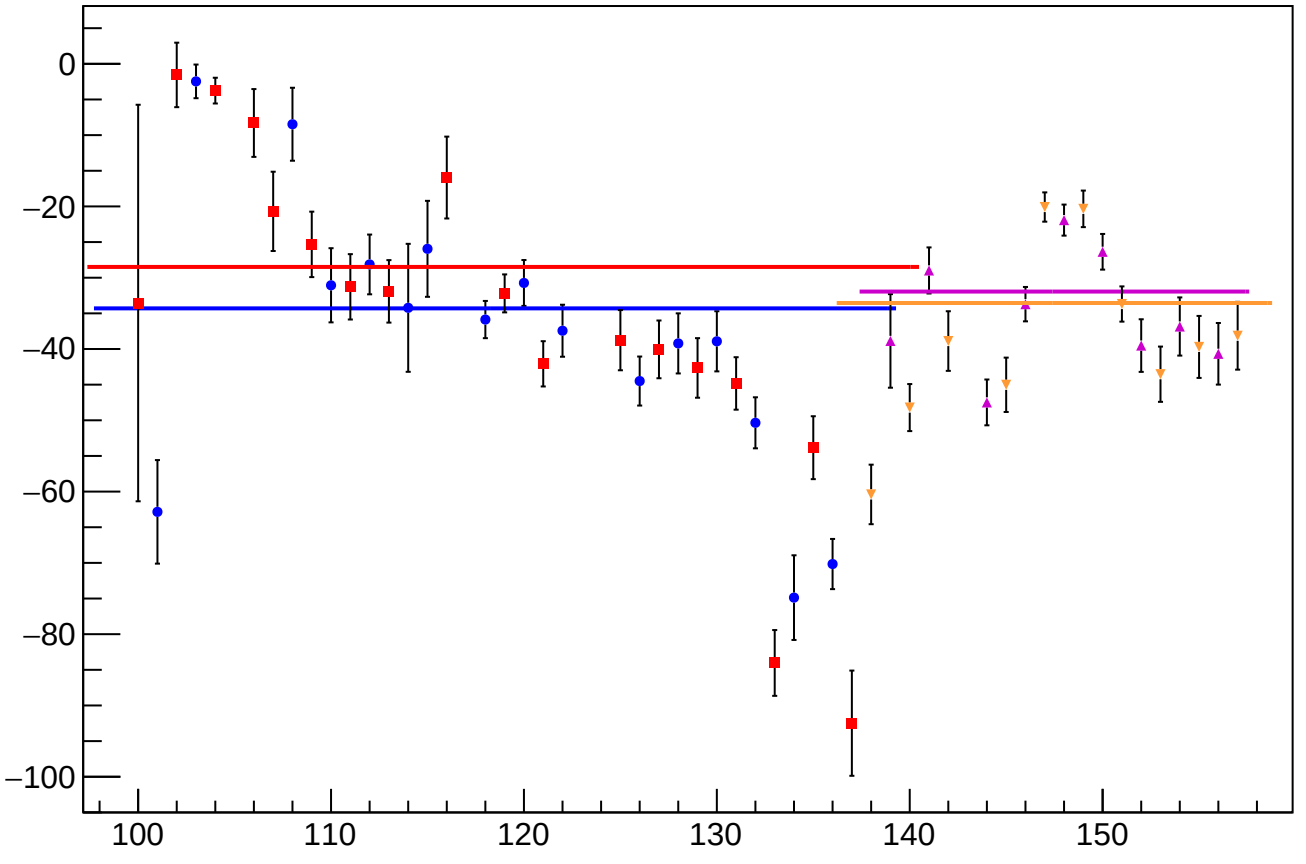
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -208.130+/-1.252 χ^2/NDF:100.4/8

+ sign -152.467+/-0.698 χ^2/NDF: 17233.7/25

All: -148.875+/-0.488 χ^2/NDF: 37127.8/52

- sign -145.450+/-0.682 χ^2/NDF: 19842.4/26



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -33.546+/-1.004 χ^2/NDF:150.9/9

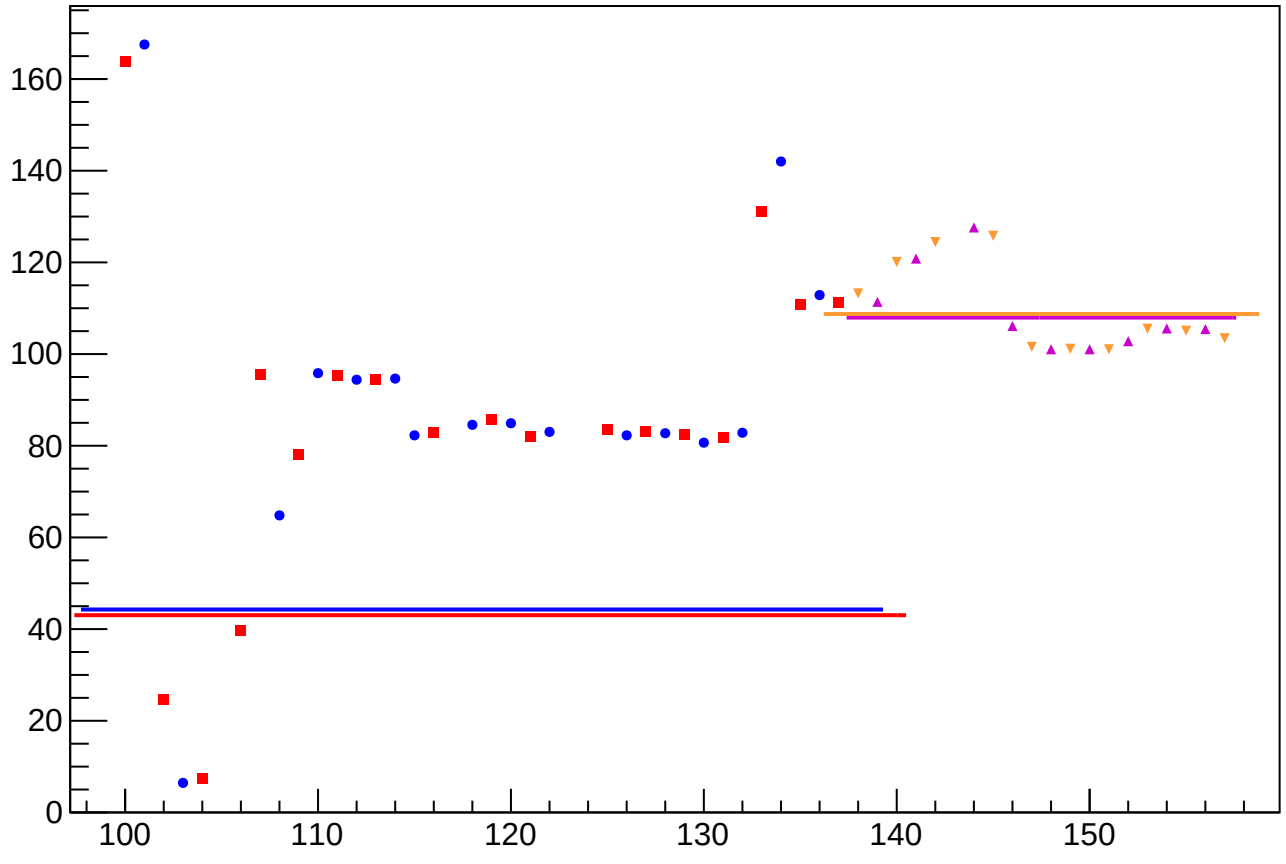
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.943+/-1.028 χ^2/NDF:61.8/8

+ sign -33.937+/-0.697 χ^2/NDF: 562.5/25

All: -31.921+/-0.487 χ^2/NDF: 1215.0/52

- sign -29.999+/-0.680 χ^2/NDF: 636.2/26



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 108.748+/-0.049 χ^2/NDF:33354.0/9

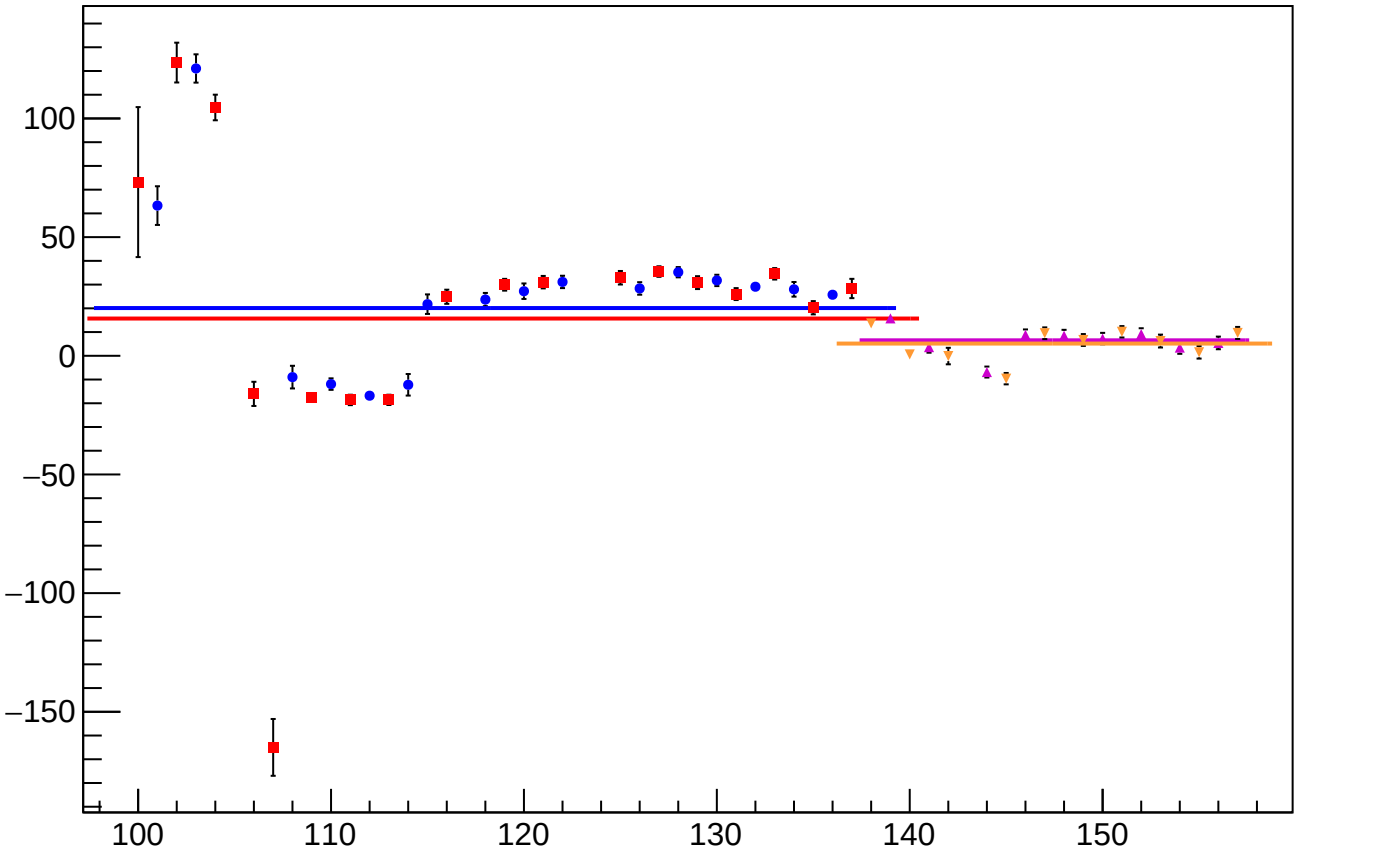
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 107.958+/-0.049 χ^2/NDF:28375.8/8

+ sign 73.494+/-0.033 χ^2/NDF: 2051193.8/25

All: 73.154+/-0.023 χ^2/NDF: 3838220.9/52

- sign 72.817+/-0.033 χ^2/NDF: 1786819.1/26



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.153+/-0.779 χ^2/NDF:74.7/9

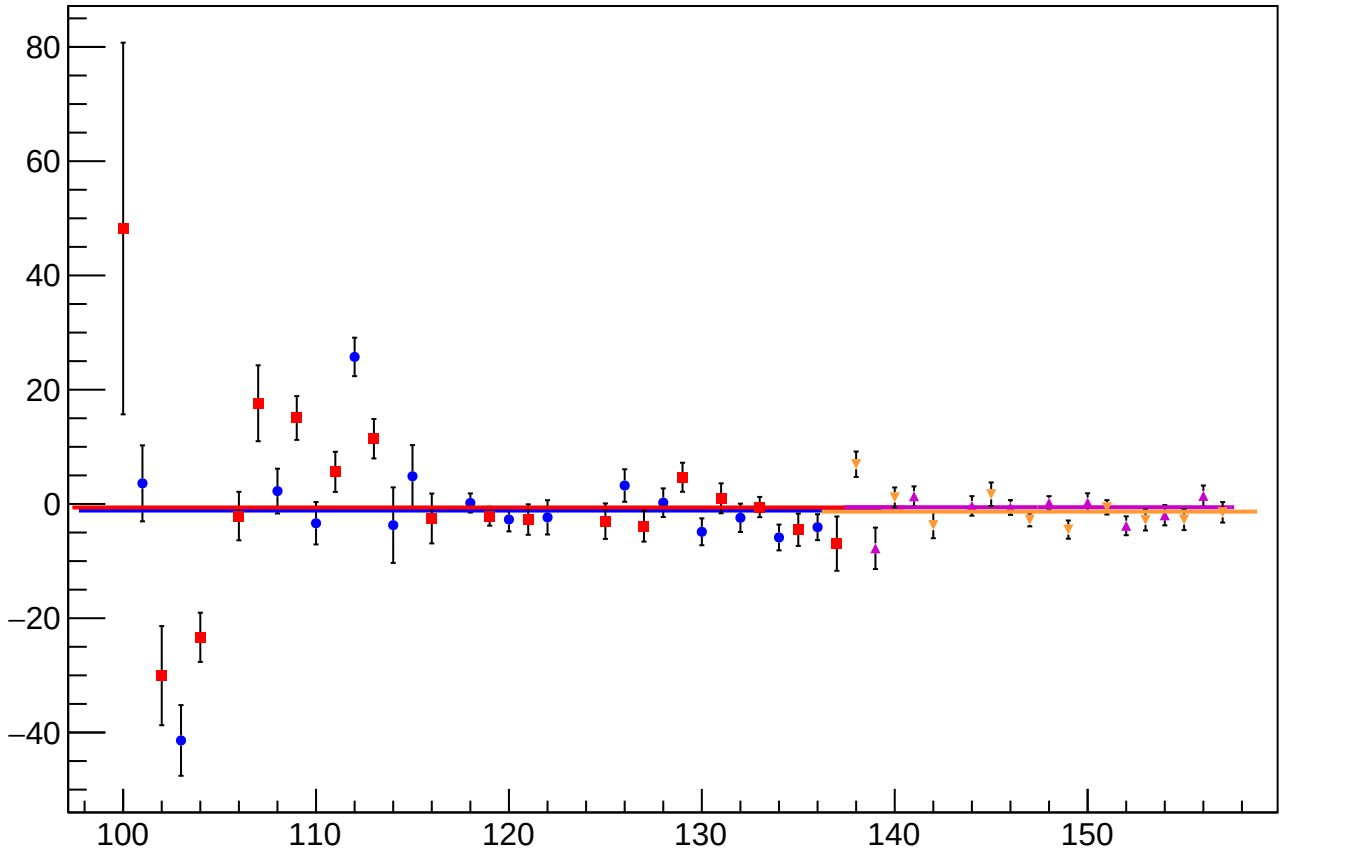
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.519+/-0.791 χ^2/NDF:60.7/8

\+ sign 13.566+/-0.515 χ^2/NDF: 1330.5/25

All: 12.678+/-0.365 χ^2/NDF: 3248.2/52

\- sign 11.785+/-0.517 χ^2/NDF: 1911.8/26



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.337+/-0.523 χ^2/NDF:26.2/9

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

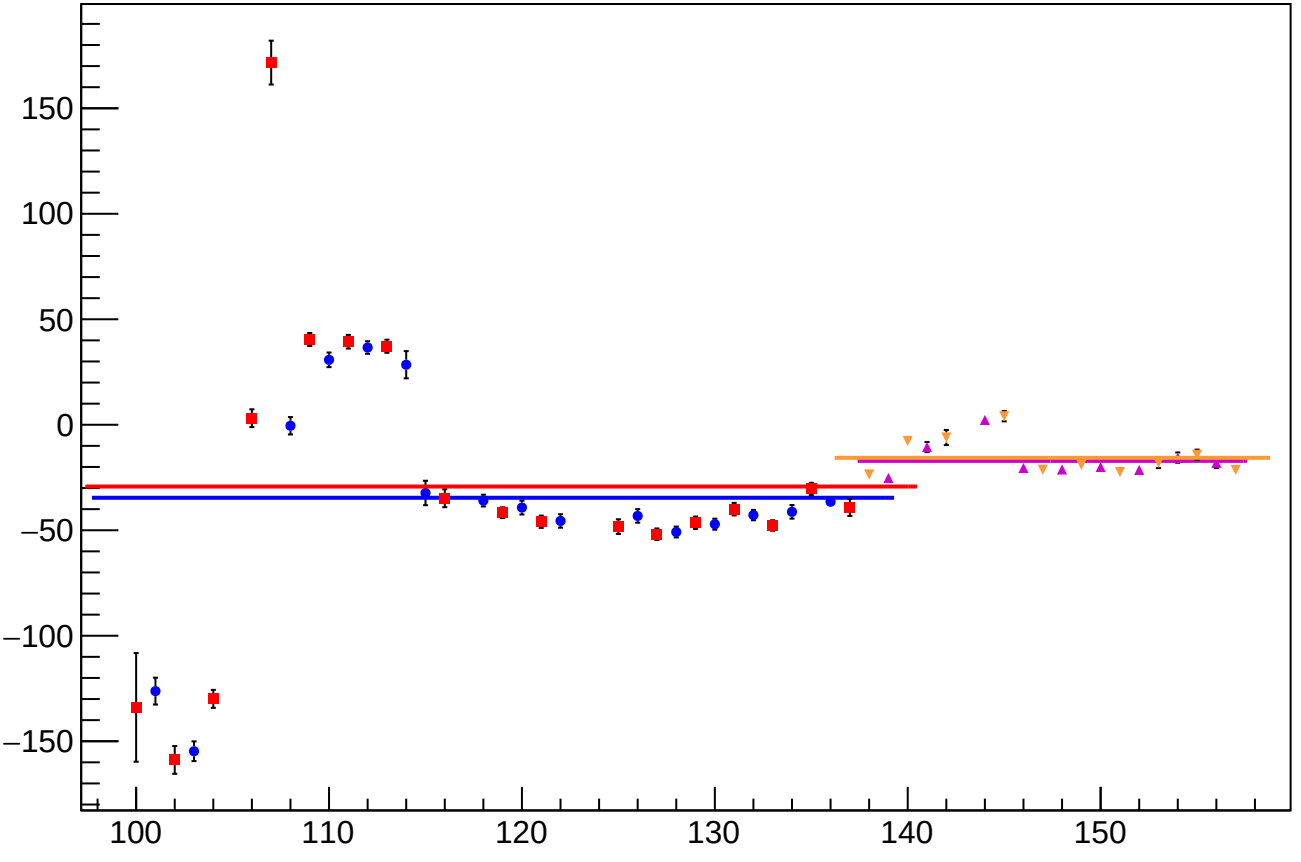
Left In: -0.572+/-0.538 χ^2/NDF:11.5/8

+ sign -1.270+/-0.419 χ^2/NDF: 148.1/25

All: -0.937+/-0.300 χ^2/NDF: 254.3/52

- sign -0.587+/-0.430 χ^2/NDF: 104.9/26

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -15.661+/-0.757 χ^2/NDF:123.4/9

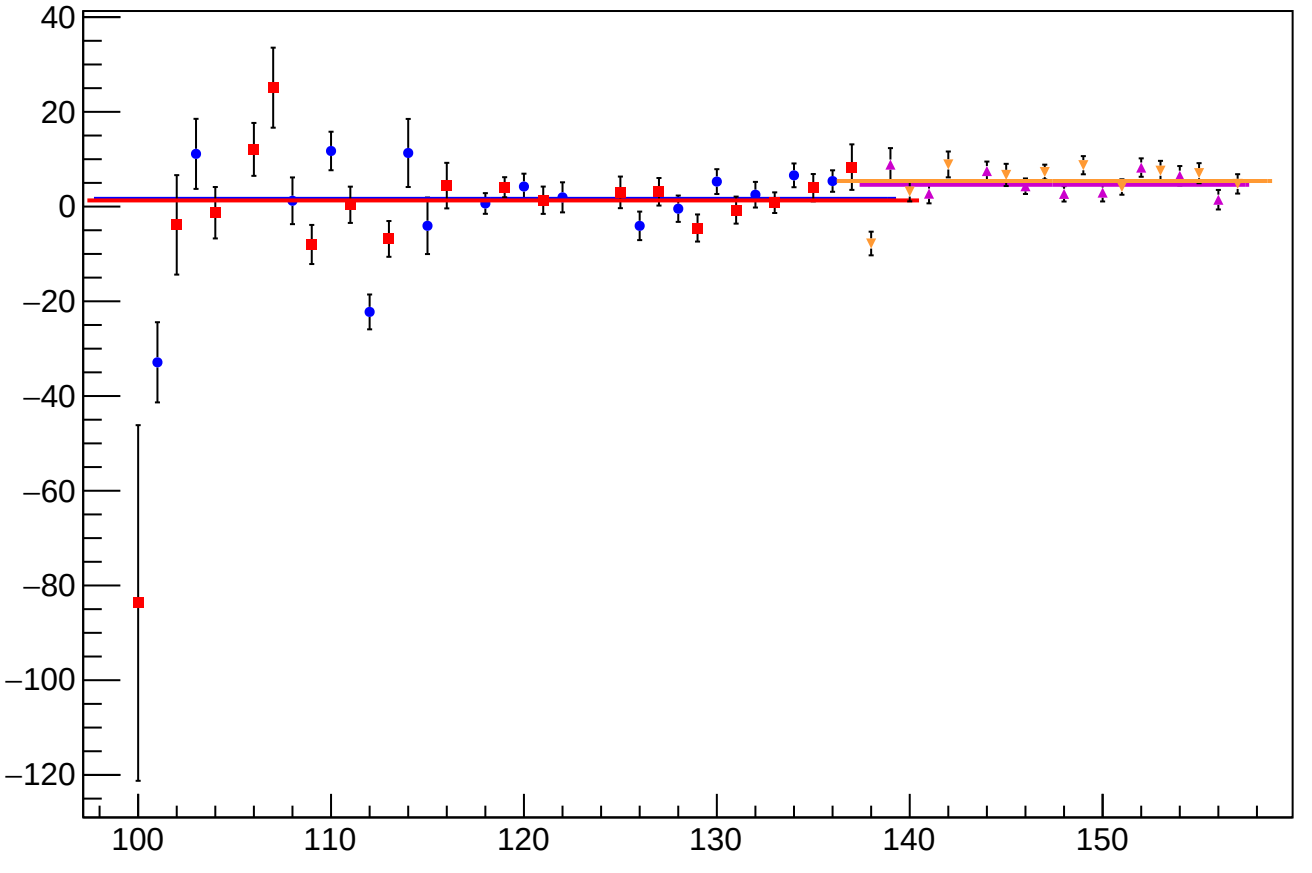
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.116+/-0.770 χ^2/NDF:99.9/8

+ sign -24.771+/-0.545 χ^2/NDF: 2482.9/25

All: -23.882+/-0.389 χ^2/NDF: 5789.4/52

- sign -22.963+/-0.555 χ^2/NDF: 3301.0/26



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.399+/-0.637 χ^2/NDF:37.9/9

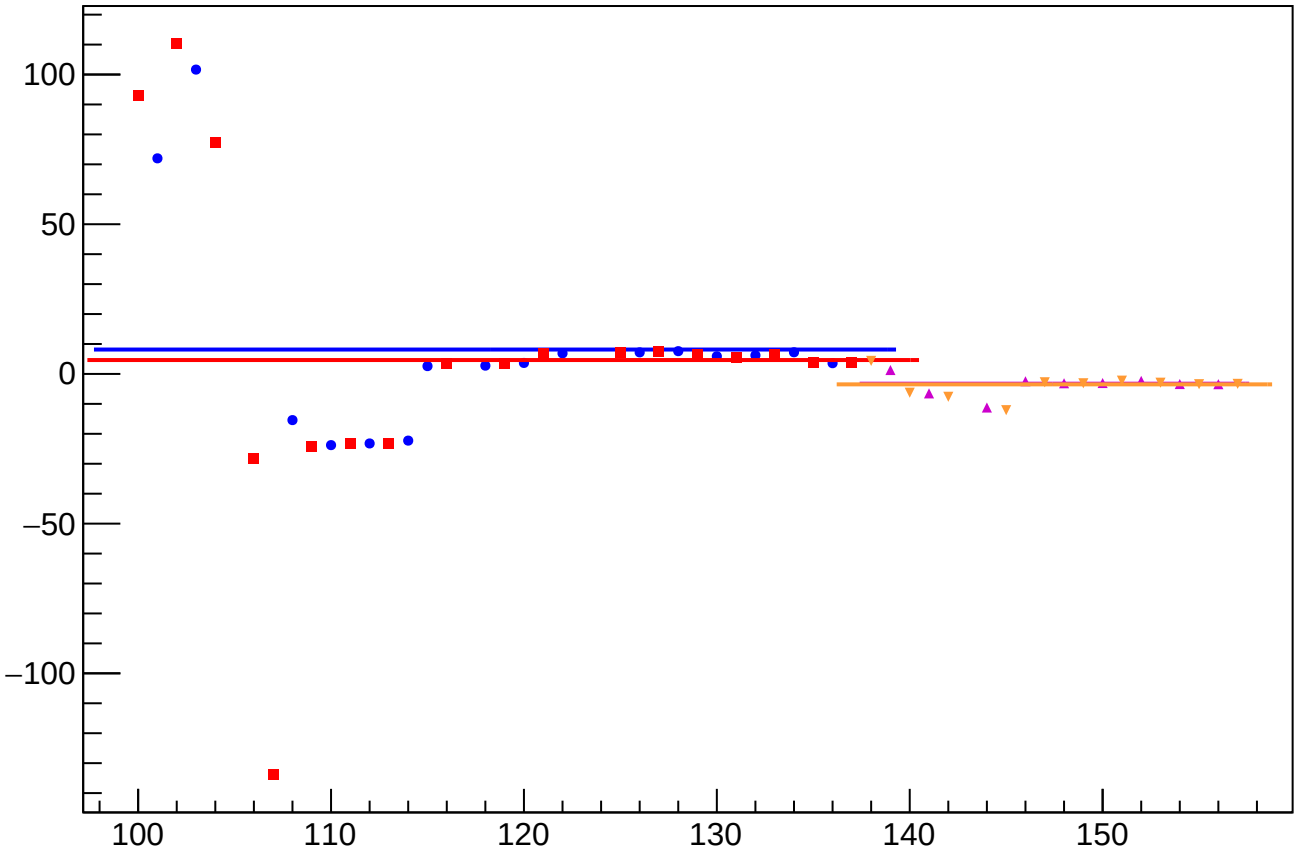
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.601+/-0.653 χ^2/NDF:13.3/8

\+ sign 3.929+/-0.498 χ^2/NDF: 134.9/25

All: 3.628+/-0.356 χ^2/NDF: 196.4/52

\- sign 3.312+/-0.510 χ^2/NDF: 60.8/26



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.485+/-0.029 χ^2/NDF:18364.4/9

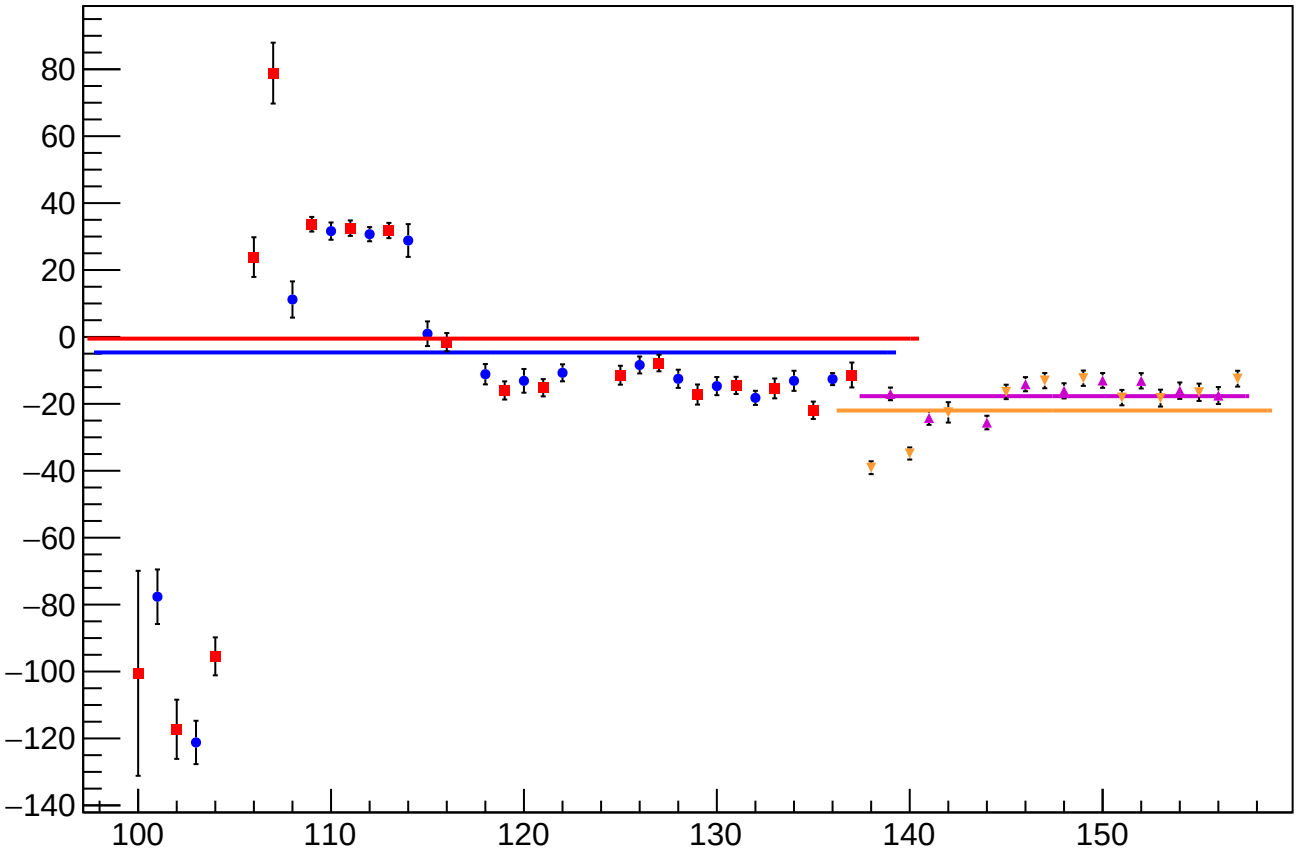
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.260+/-0.029 χ^2/NDF:10651.8/8

\+ sign -0.402+/-0.025 χ^2/NDF: 374206.3/25

All: -0.865+/-0.018 χ^2/NDF: 850066.5/52

\- sign -1.348+/-0.025 χ^2/NDF: 475154.5/26



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -21.997+/-0.716 χ^2/NDF:194.2/9

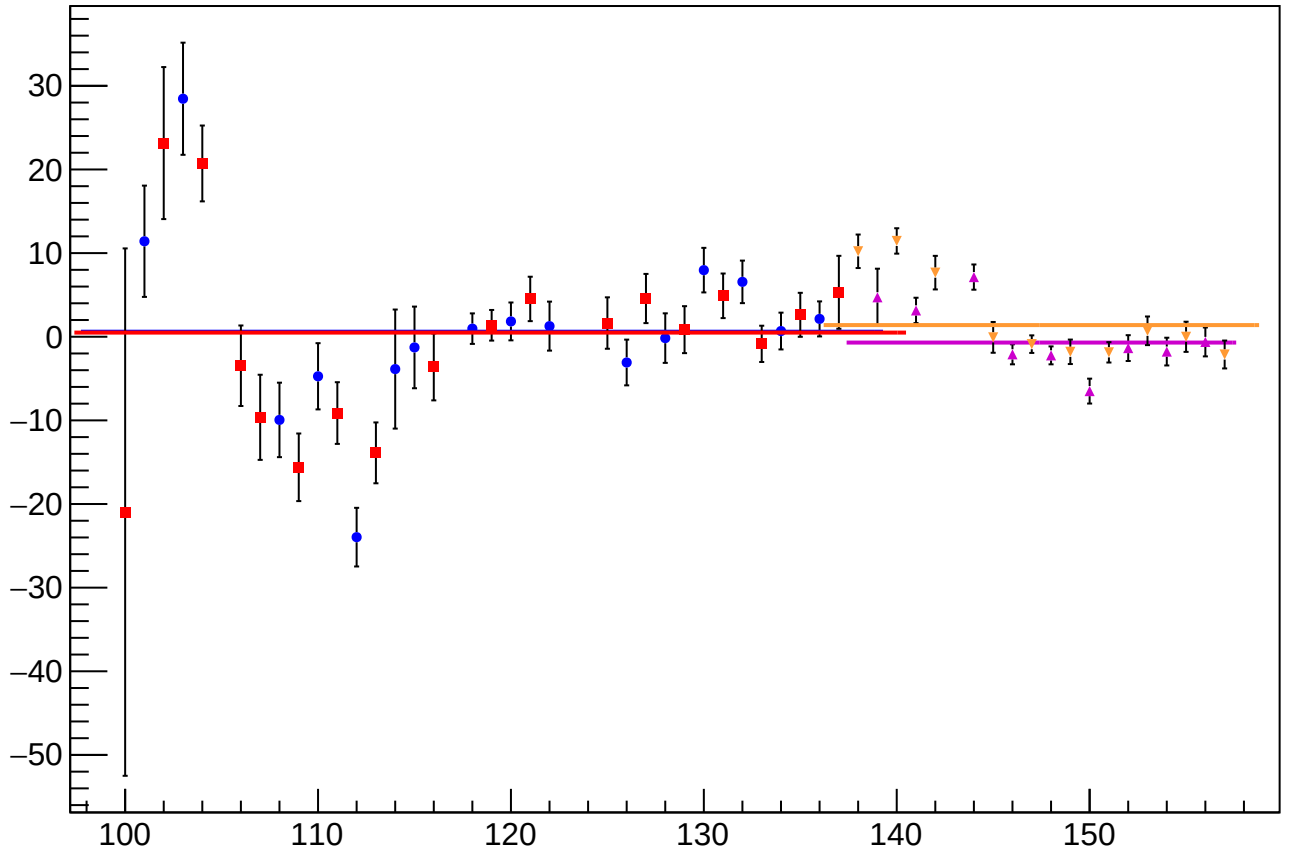
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.703+/-0.728 χ^2/NDF:37.3/8

+ sign -13.266+/-0.505 χ^2/NDF: 1536.2/25

All: -11.099+/-0.358 χ^2/NDF: 3354.1/52

- sign -8.898+/-0.509 χ^2/NDF: 1780.8/26



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.393+/-0.483 χ^2/NDF:95.6/9

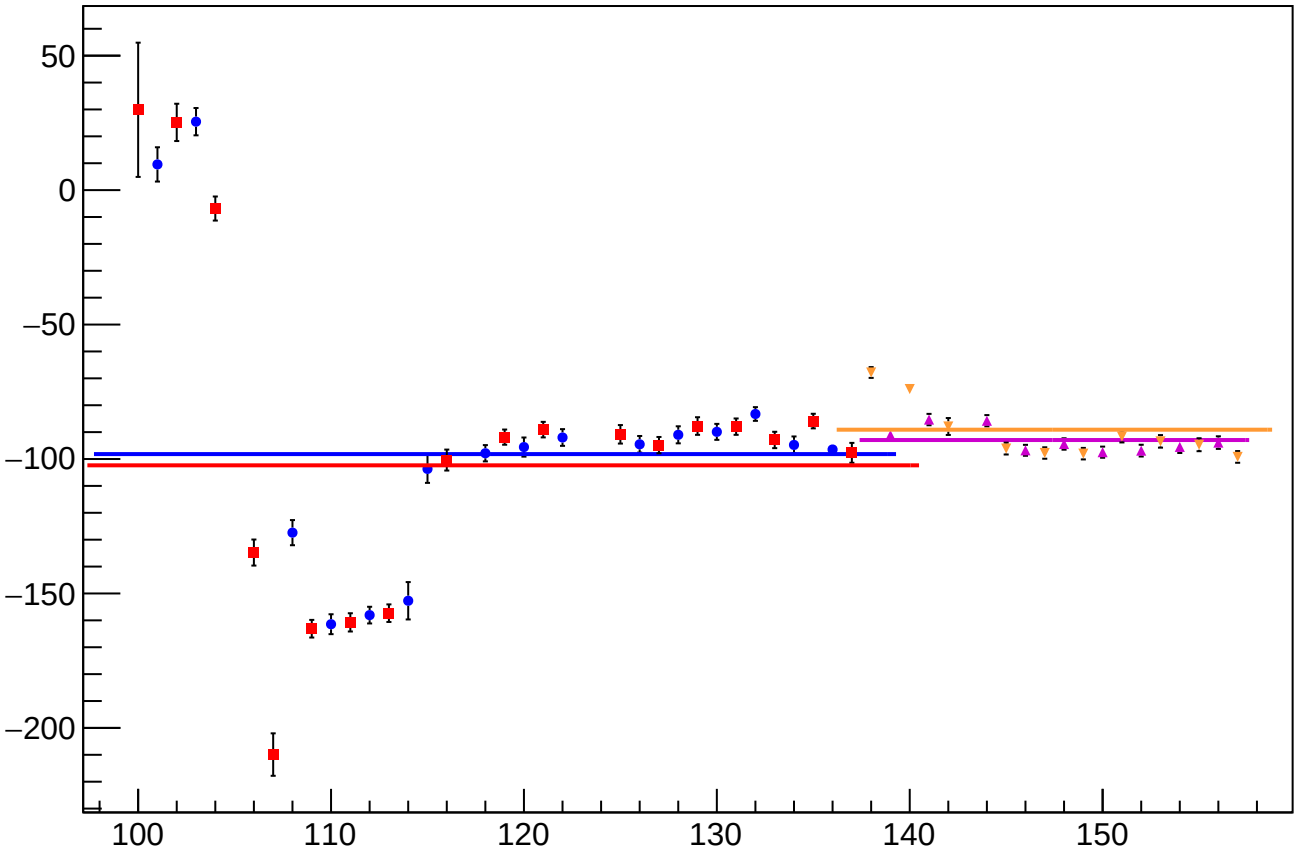
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.696+/-0.494 χ^2/NDF:55.1/8

+ sign 1.151+/-0.402 χ^2/NDF: 189.3/25

All: 0.426+/-0.288 χ^2/NDF: 333.0/52

- sign -0.339+/-0.413 χ^2/NDF: 137.0/26



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -89.096+/-0.698 χ^2/NDF:253.8/9

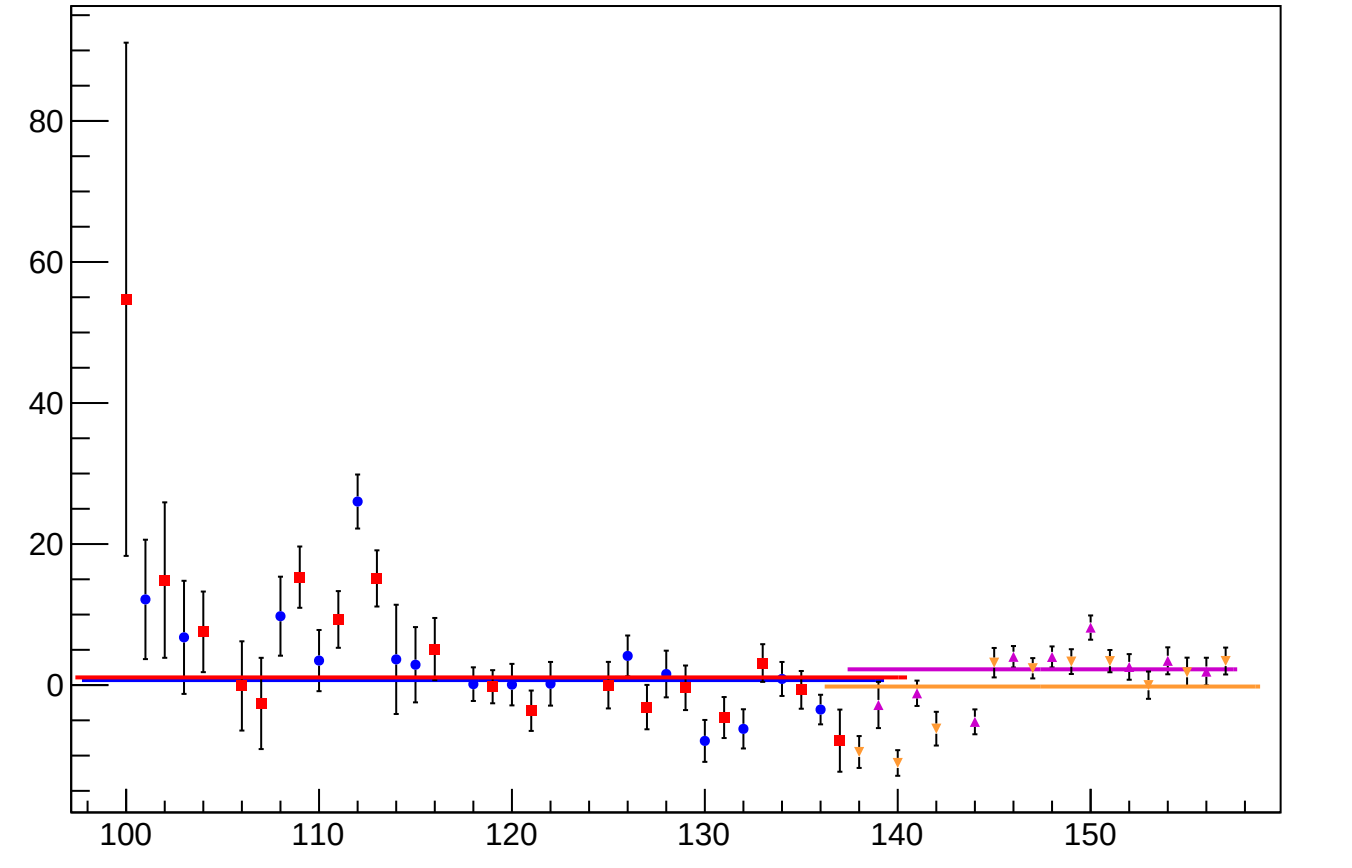
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.938+/-0.709 χ^2/NDF:38.9/8

+ sign -92.945+/-0.529 χ^2/NDF: 2025.4/25

All: -94.865+/-0.378 χ^2/NDF: 4282.3/52

- sign -96.871+/-0.541 χ^2/NDF: 2230.0/26



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.207+/-0.589 χ^2/NDF:78.4/9

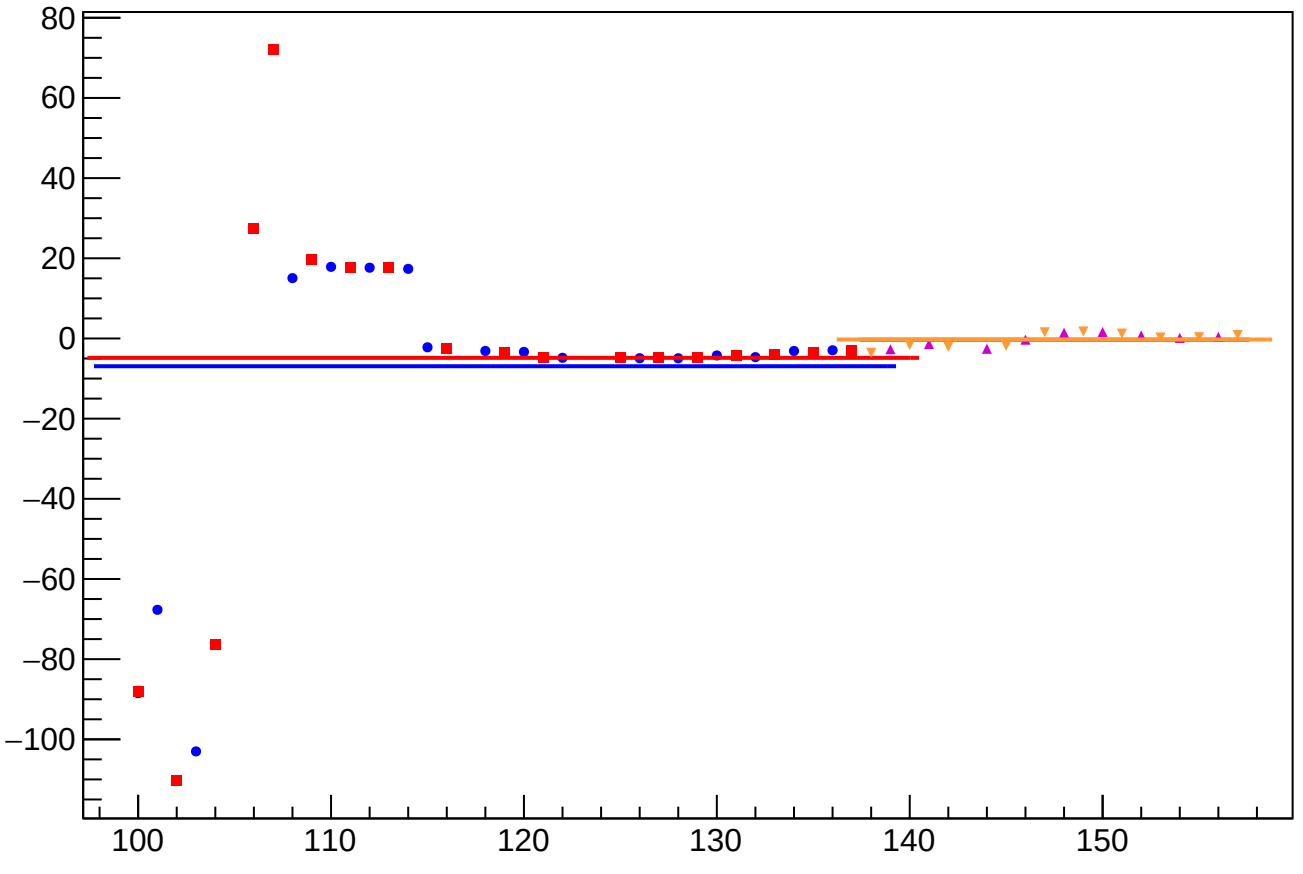
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.235+/-0.600 χ^2/NDF:38.8/8

+ sign 0.104+/-0.478 χ^2/NDF: 148.8/25

All: 0.957+/-0.343 χ^2/NDF: 243.0/52

- sign 1.857+/-0.491 χ^2/NDF: 87.7/26



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.266+/-0.027 χ^2/NDF:4027.9/9

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

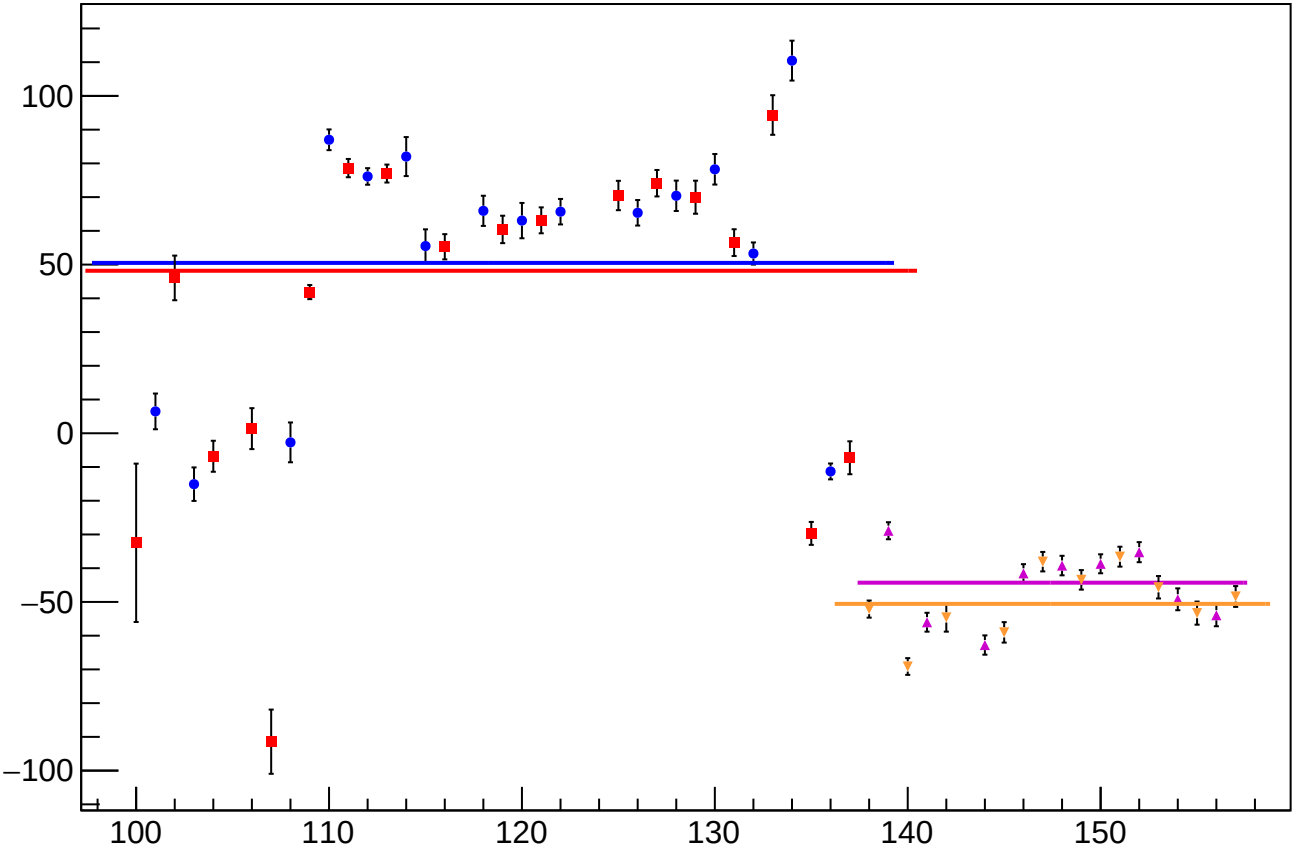
Left In: -0.305+/-0.027 χ^2/NDF:3105.2/8

+ sign -1.833+/-0.024 χ^2/NDF: 283621.4/25

All: -1.546+/-0.017 χ^2/NDF: 632220.2/52

- sign -1.245+/-0.024 χ^2/NDF: 348293.8/26

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.577+/-0.946 χ^2/NDF:115.7/9

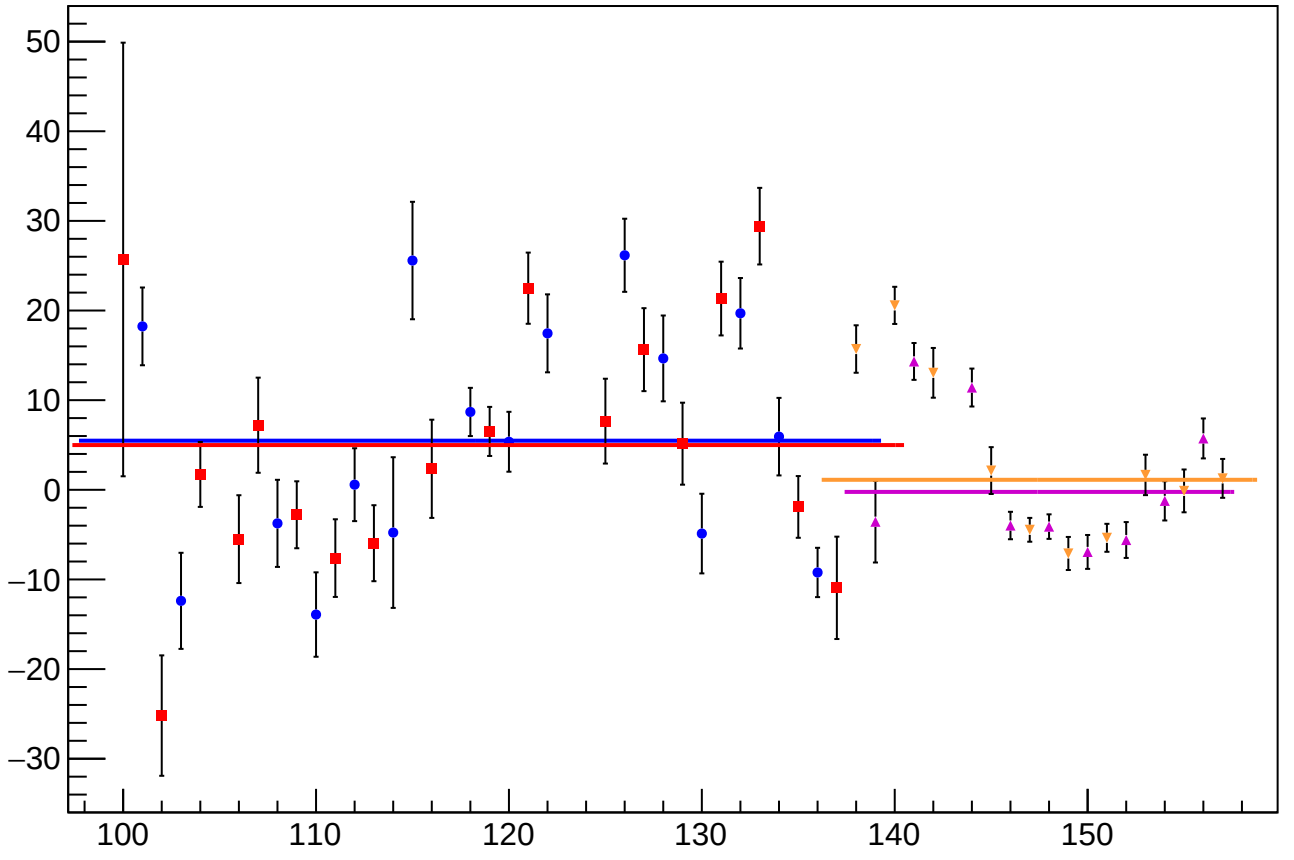
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -44.293+/-0.958 χ^2/NDF:124.8/8

\+ sign -1.072+/-0.676 χ^2/NDF: 7213.6/25

All: 1.574+/-0.473 χ^2/NDF: 13761.7/52

\- sign 4.112+/-0.662 χ^2/NDF: 6518.0/26



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.117+/-0.632 χ^2/NDF:192.2/9

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

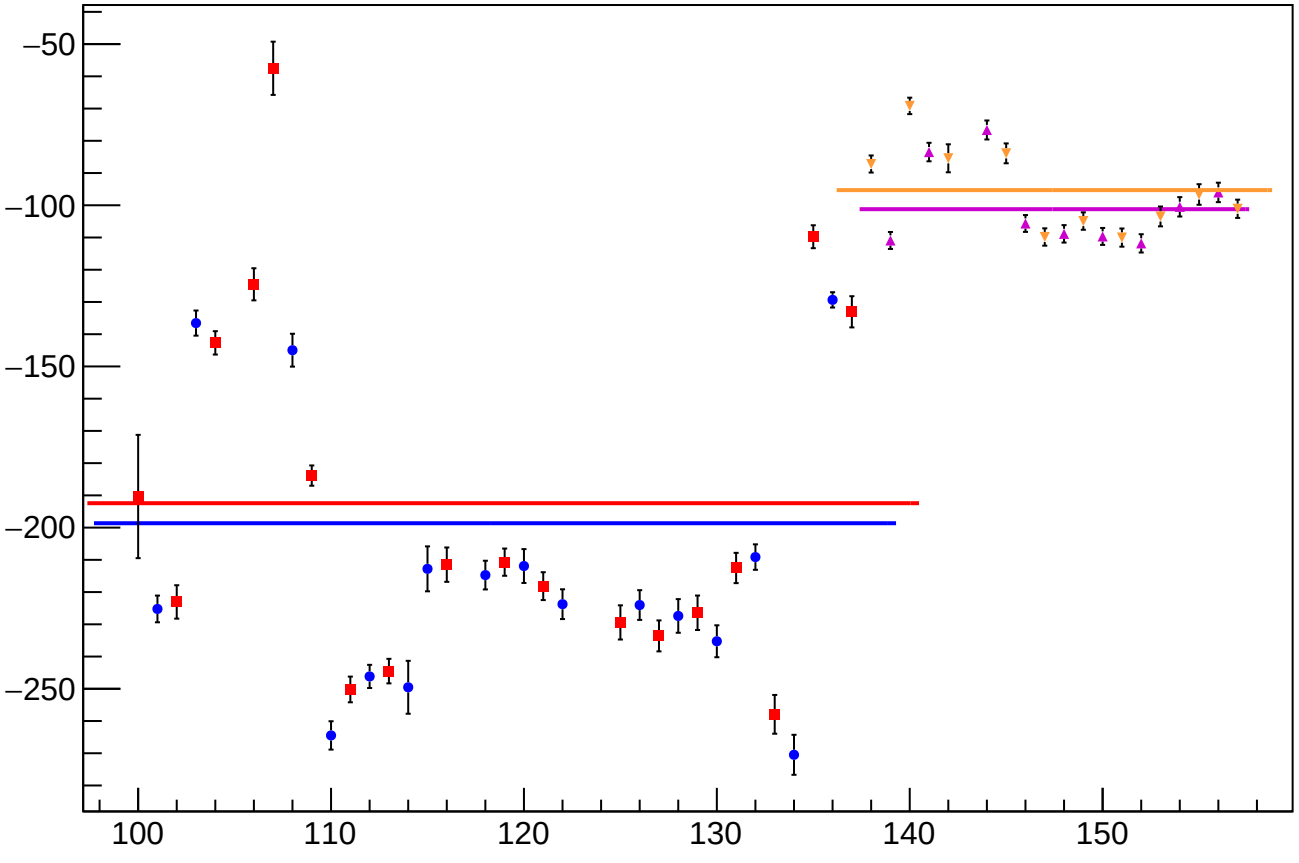
Left In: -0.235+/-0.644 χ^2/NDF:122.1/8

+ sign 2.324+/-0.537 χ^2/NDF: 343.6/25

All: 1.795+/-0.383 χ^2/NDF: 618.2/52

- sign 1.251+/-0.545 χ^2/NDF: 272.6/26

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.300+/-0.919 χ^2/NDF:213.5/9

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

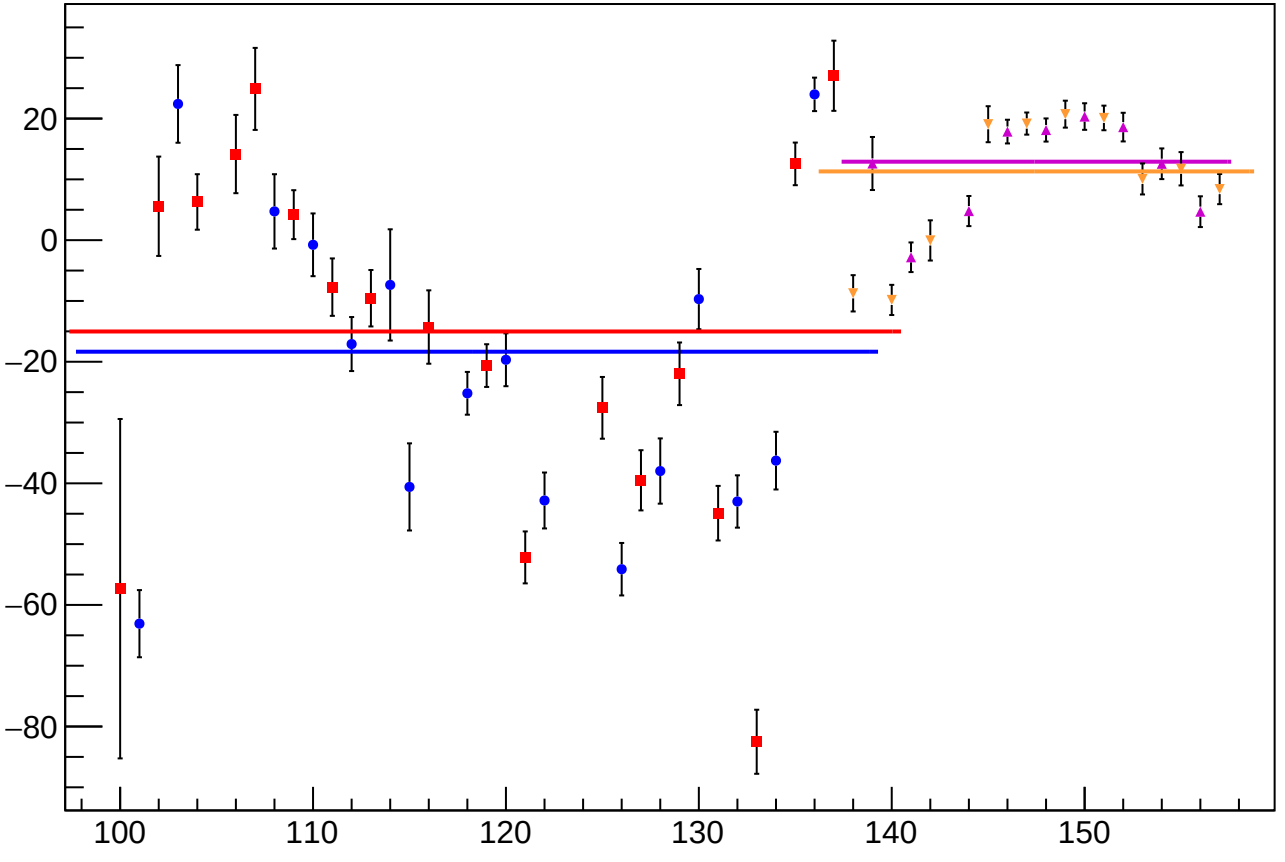
Left In: -101.215+/-0.931 χ^2/NDF:159.5/8

+ sign -138.553+/-0.701 χ^2/NDF: 7506.2/25

All: -139.331+/-0.497 χ^2/NDF: 13899.7/52

- sign -140.118+/-0.705 χ^2/NDF: 6391.0/26

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.307+/-0.772 χ^2/NDF:193.6/9

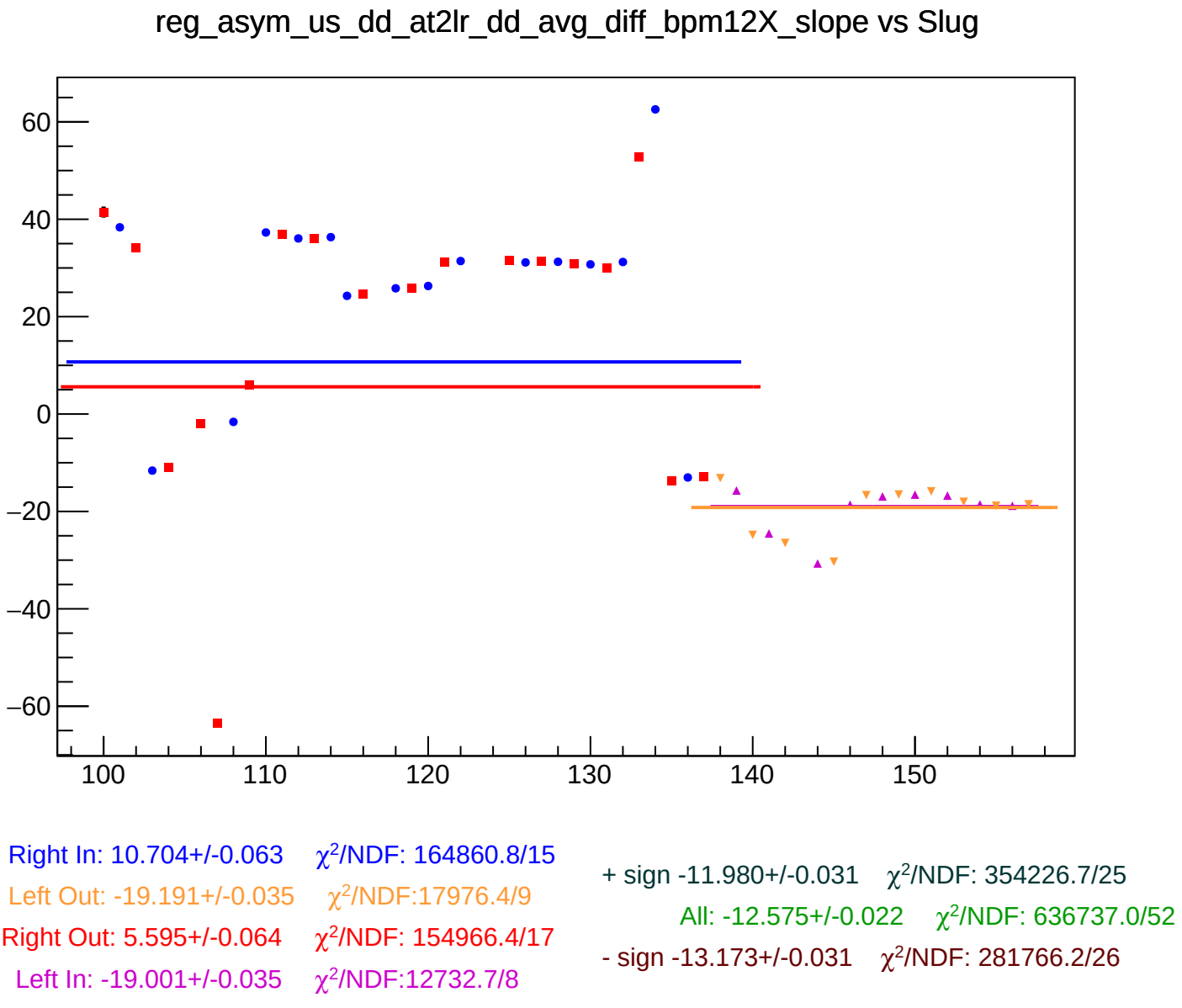
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

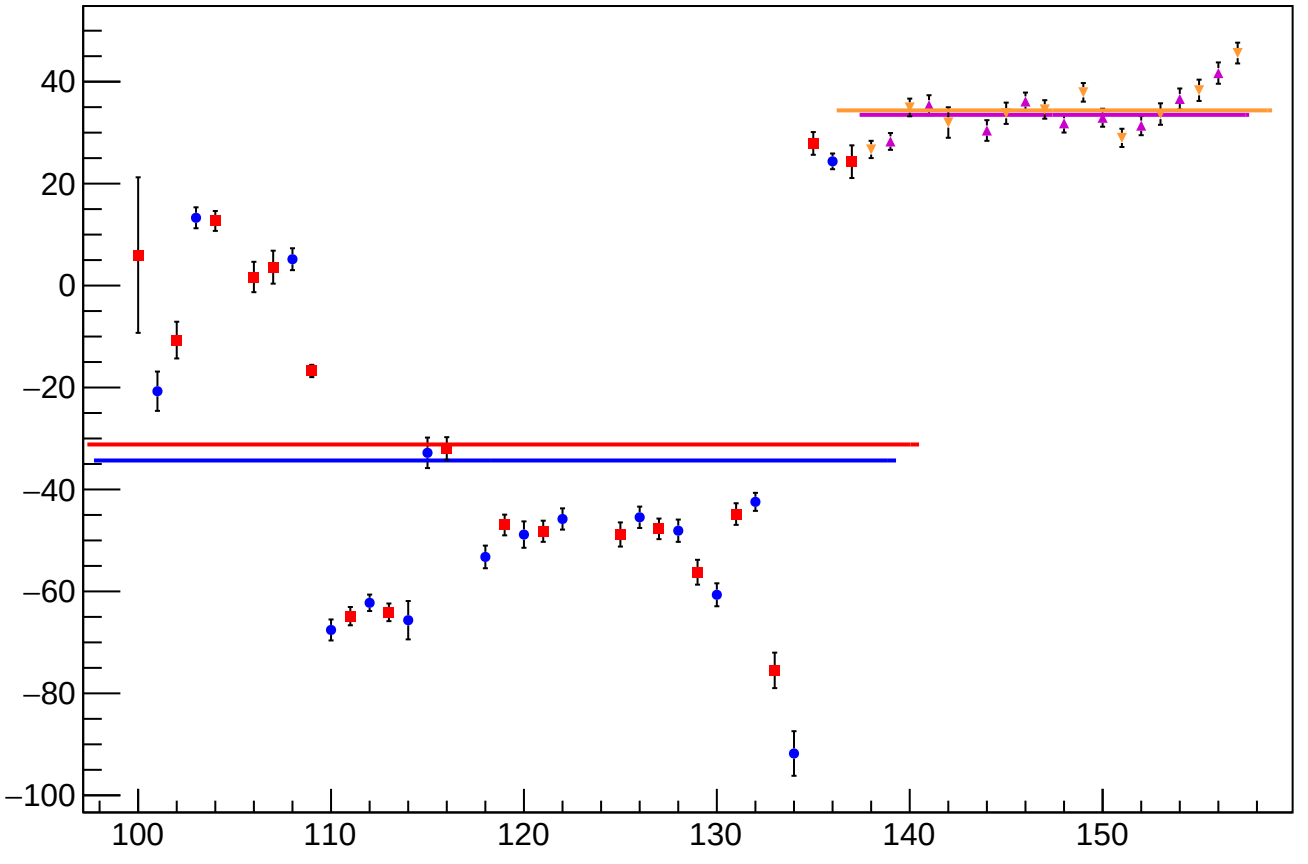
Left In: 12.906+/-0.784 χ^2/NDF:94.2/8

+ sign 2.200+/-0.642 χ^2/NDF: 1190.8/25

All: 3.169+/-0.457 χ^2/NDF: 2233.0/52

- sign 4.161+/-0.650 χ^2/NDF: 1037.6/26


reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 10.704+/-0.063 χ²/NDF: 164860.8/15
Left Out: -19.191+/-0.035 χ²/NDF:17976.4/9
Right Out: 5.595+/-0.064 χ²/NDF: 154966.4/17
Left In: -19.001+/-0.035 χ²/NDF:12732.7/8
+ sign -11.980+/-0.031 χ²/NDF: 354226.7/25
All: -12.575+/-0.022 χ²/NDF: 636737.0/52
- sign -13.173+/-0.031 χ²/NDF: 281766.2/26



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 34.365+/-0.616 χ^2/NDF:68.4/9

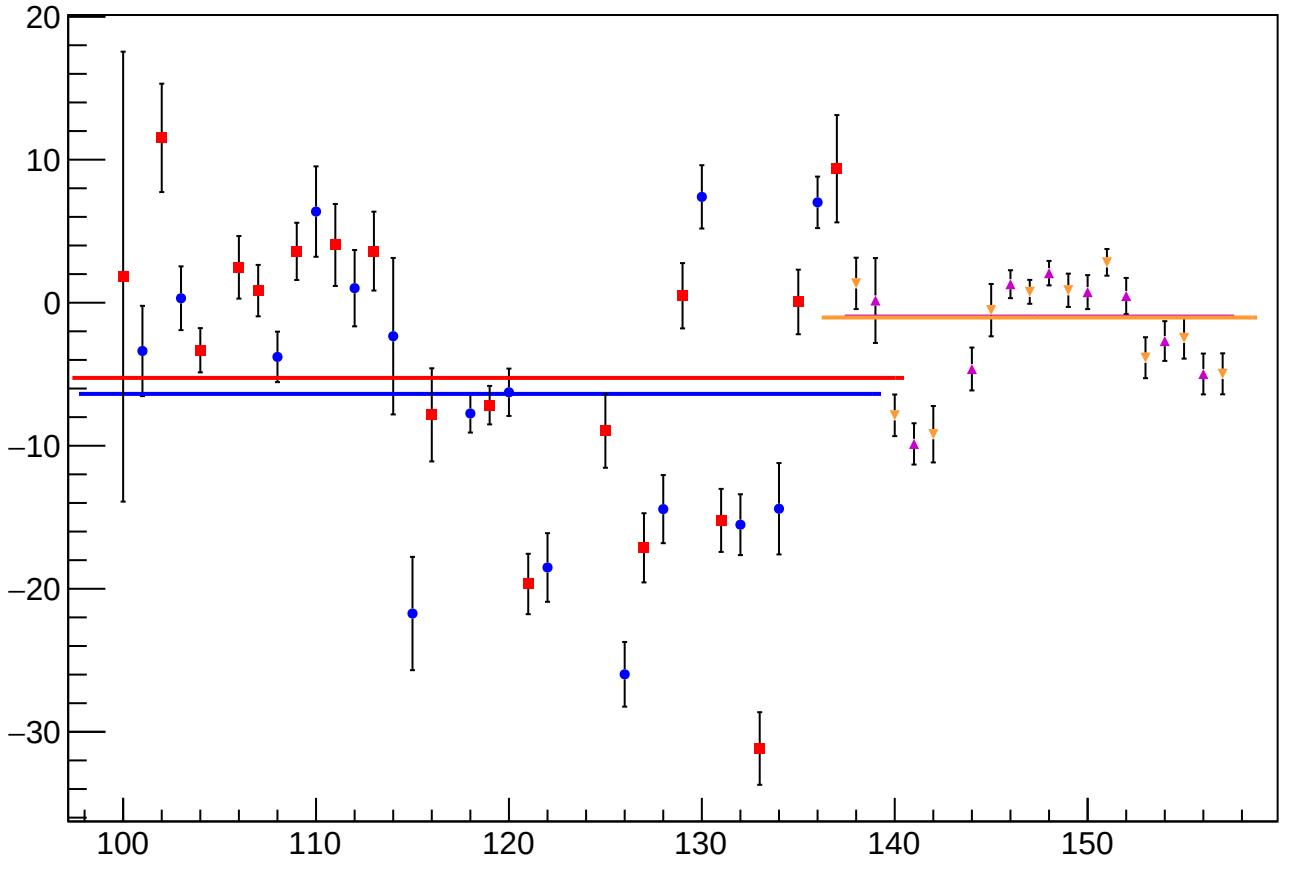
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 33.494+/-0.623 χ^2/NDF:35.4/8

\+ sign -3.992+/-0.409 χ^2/NDF: 10509.1/25

All: -4.447+/-0.285 χ^2/NDF: 20141.6/52

\- sign -4.875+/-0.397 χ^2/NDF: 9630.1/26



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.035+/-0.405 χ^2/NDF:77.7/9

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

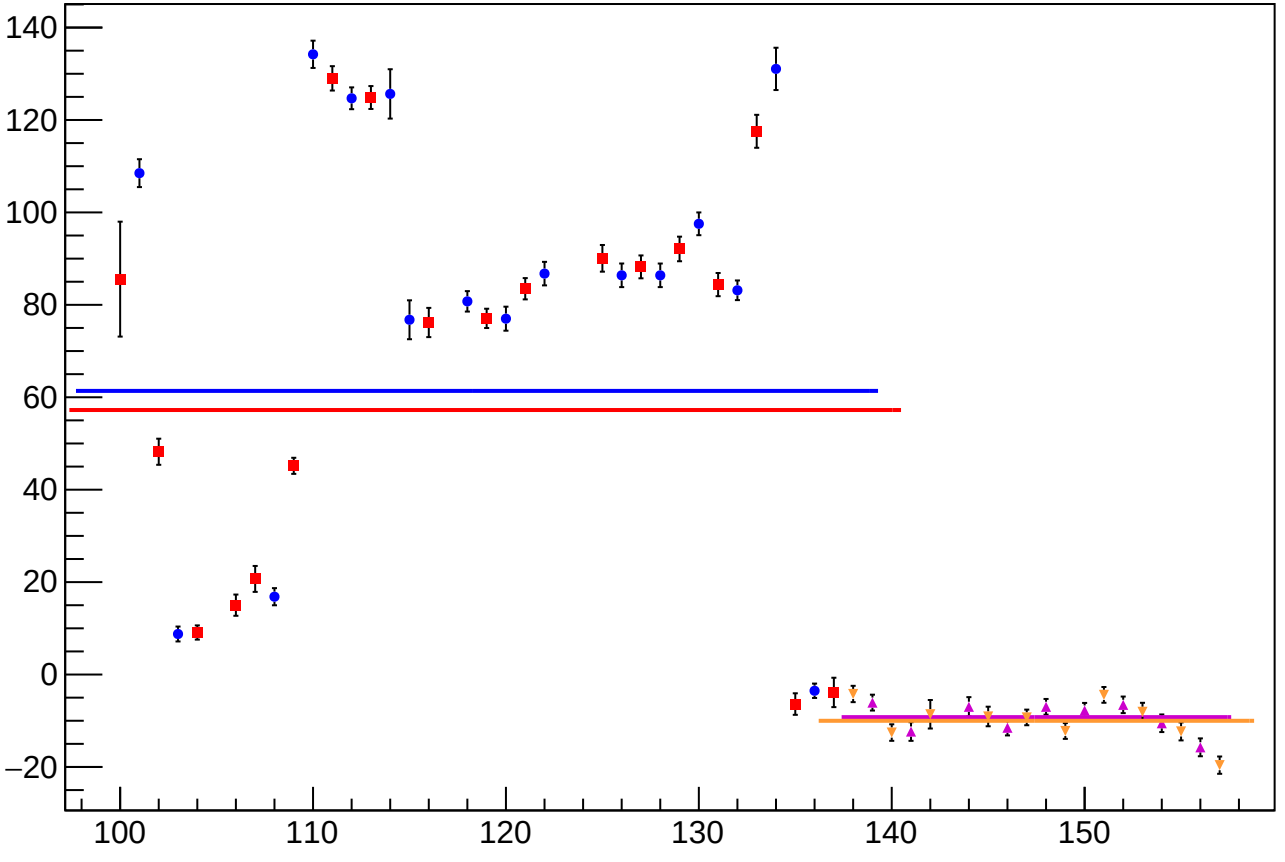
Left In: -0.970+/-0.415 χ^2/NDF:74.9/8

+ sign -2.896+/-0.327 χ^2/NDF: 422.0/25

All: -2.744+/-0.231 χ^2/NDF: 850.6/52

- sign -2.591+/-0.327 χ^2/NDF: 428.2/26

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.008+/-0.596 χ^2/NDF:54.6/9

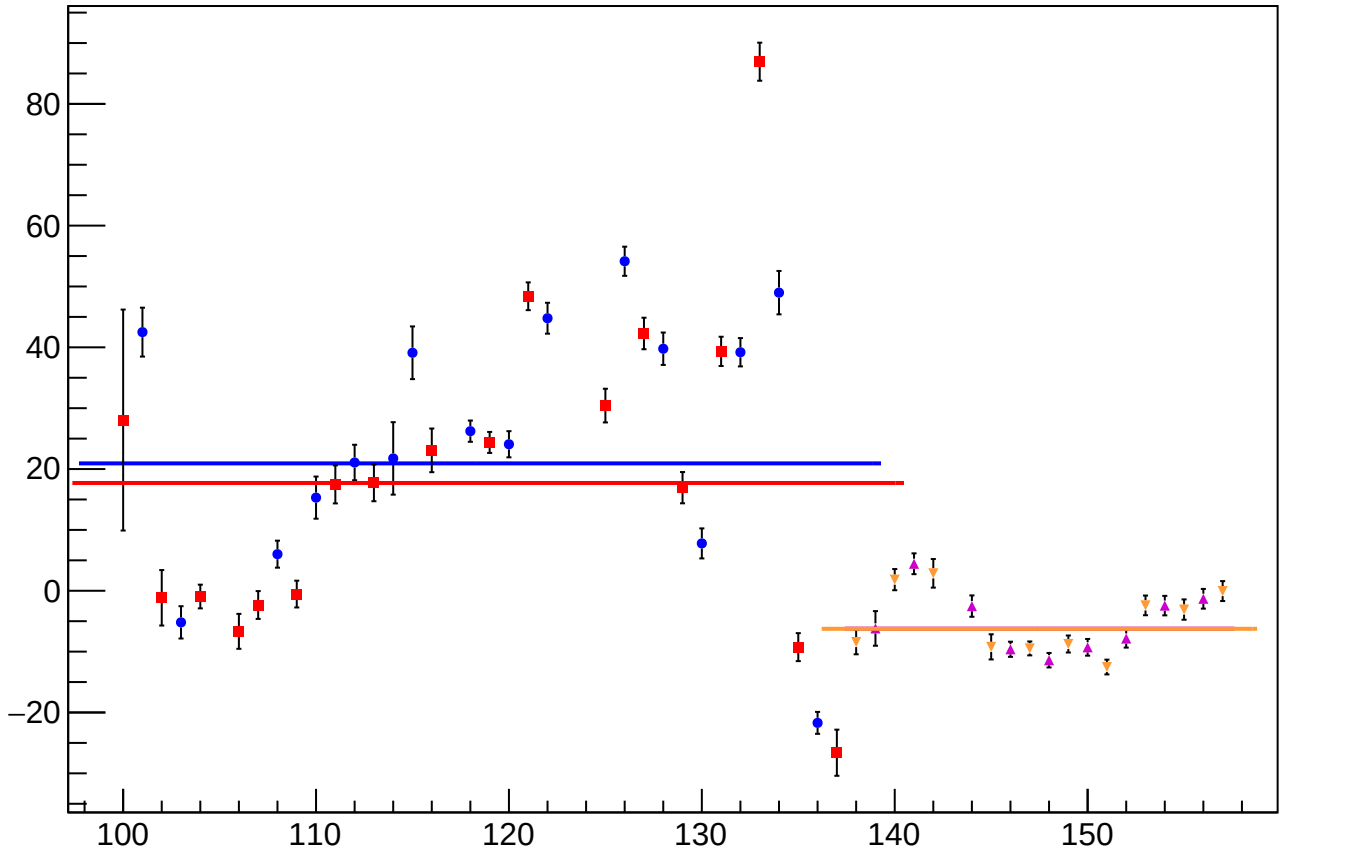
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.215+/-0.603 χ^2/NDF:25.4/8

+ sign 25.802+/-0.421 χ^2/NDF: 13311.3/25

All: 25.558+/-0.297 χ^2/NDF: 24906.9/52

- sign 25.317+/-0.418 χ^2/NDF: 11595.0/26



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.248+/-0.496 χ^2/NDF:101.3/9

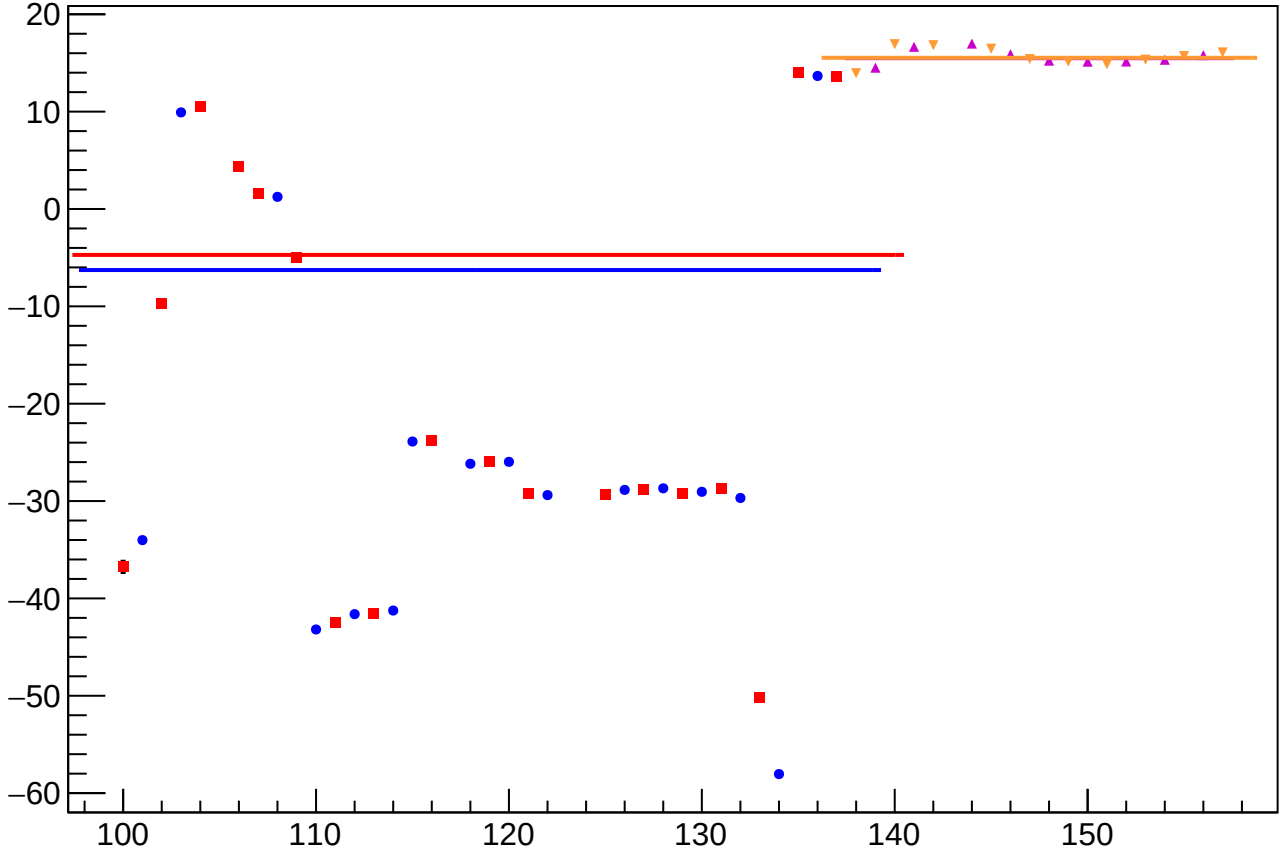
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.227+/-0.507 χ^2/NDF:90.7/8

+ sign 3.958+/-0.392 χ^2/NDF: 2472.5/25

All: 3.675+/-0.277 χ^2/NDF: 4943.1/52

- sign 3.393+/-0.392 χ^2/NDF: 2469.6/26



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.529+/-0.023 χ^2/NDF:1298.3/9

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

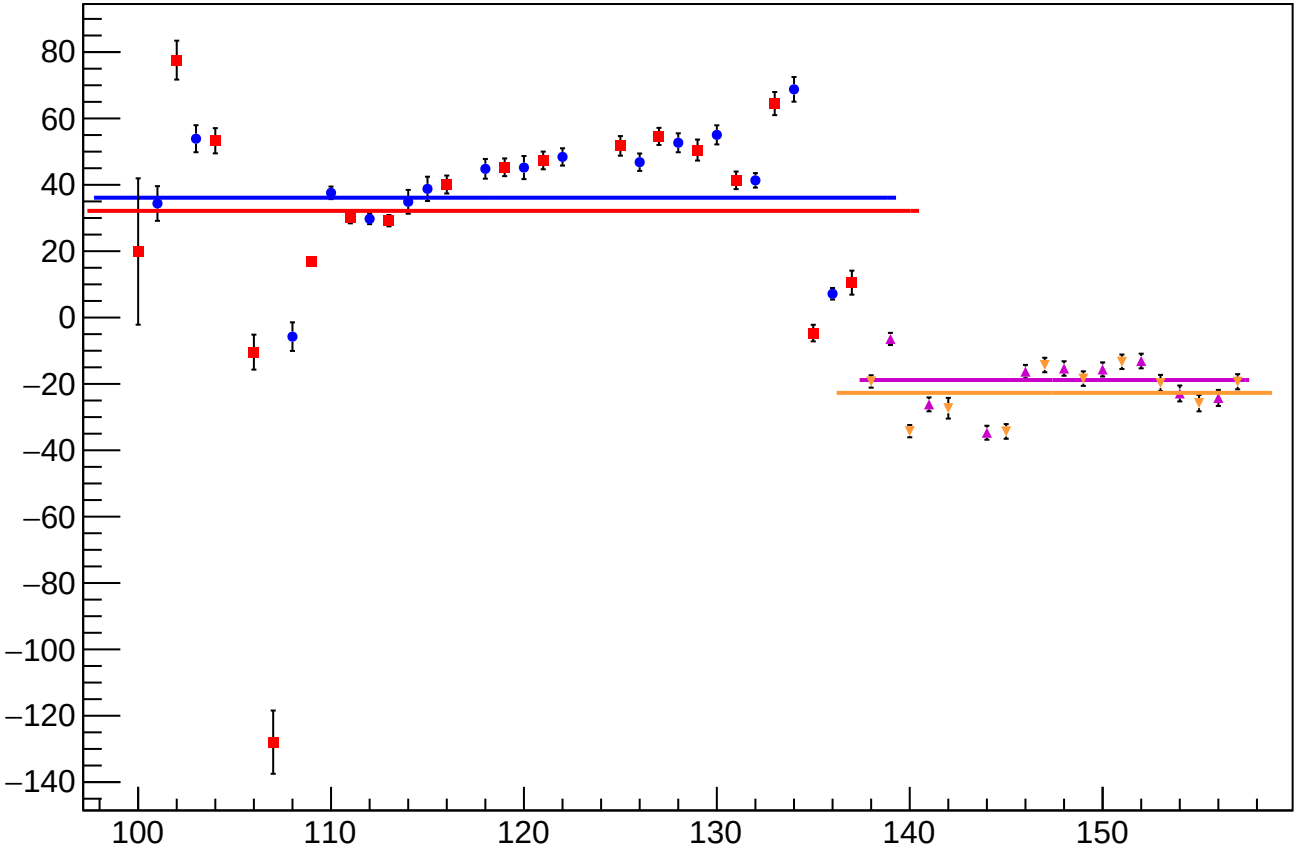
Left In: 15.489+/-0.023 χ^2/NDF:850.6/8

+ sign 8.554+/-0.019 χ^2/NDF: 701174.6/25

All: 8.830+/-0.013 χ^2/NDF: 1255304.9/52

- sign 9.106+/-0.019 χ^2/NDF: 553703.7/26

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.693+/-0.702 χ^2/NDF:114.2/9

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

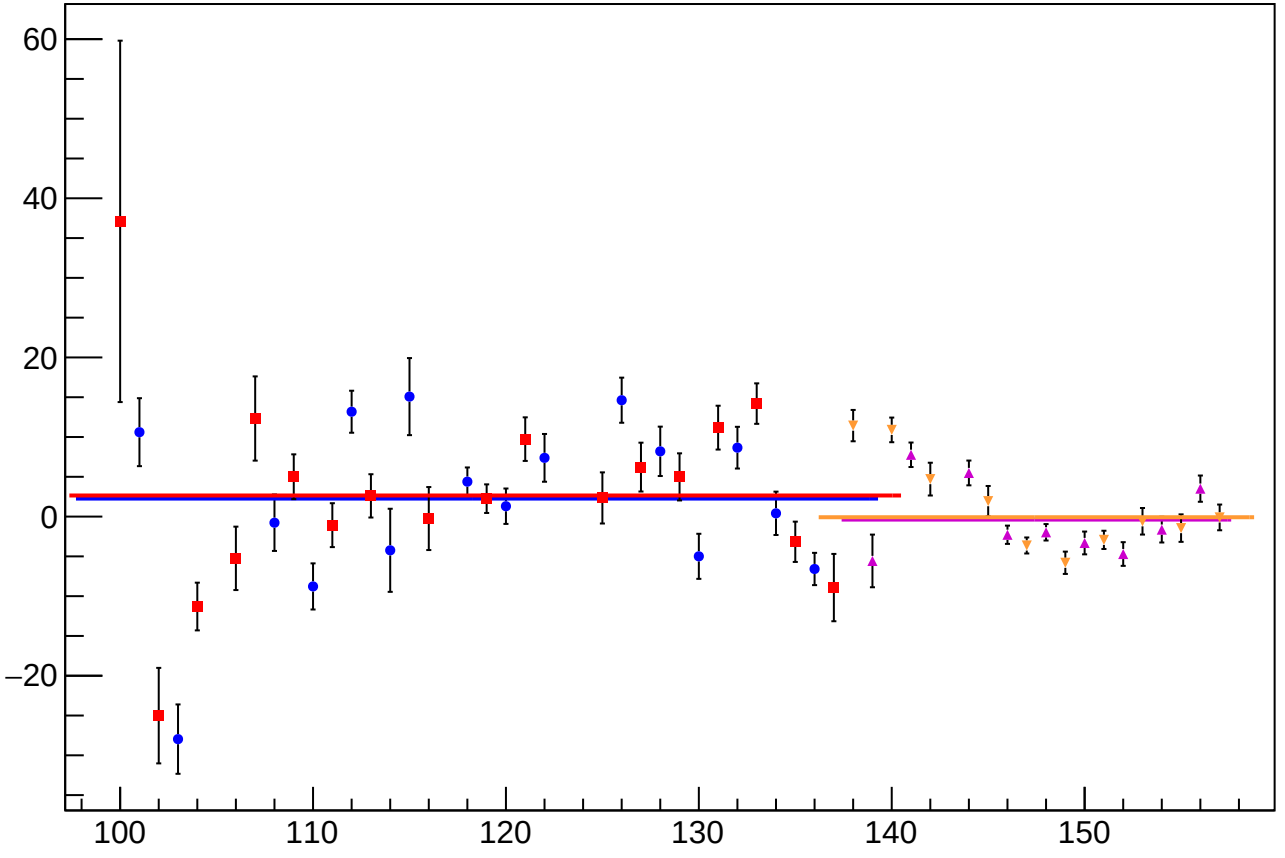
Left In: -18.828+/-0.712 χ^2/NDF:135.6/8

\+ sign 8.675+/-0.479 χ^2/NDF: 4482.6/25

All: 9.214+/-0.336 χ^2/NDF: 8608.5/52

\- sign 9.737+/-0.472 χ^2/NDF: 4123.4/26

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.082+/-0.470 χ^2/NDF:127.0/9

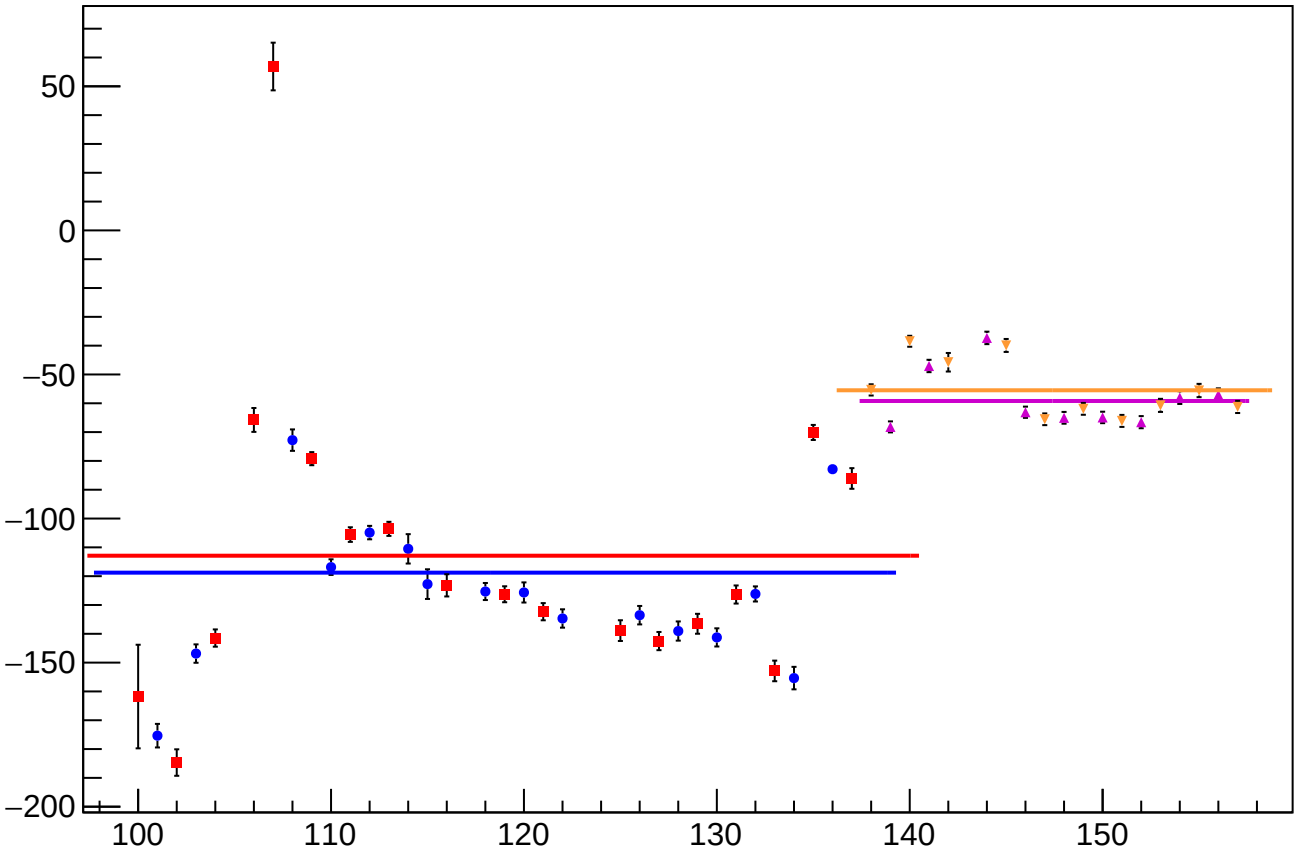
Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.376+/-0.482 χ^2/NDF:68.6/8

+ sign 0.646+/-0.391 χ^2/NDF: 286.7/25

All: 0.608+/-0.279 χ^2/NDF: 474.9/52

- sign 0.569+/-0.400 χ^2/NDF: 188.2/26



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -55.489+/-0.682 χ^2/NDF:209.8/9

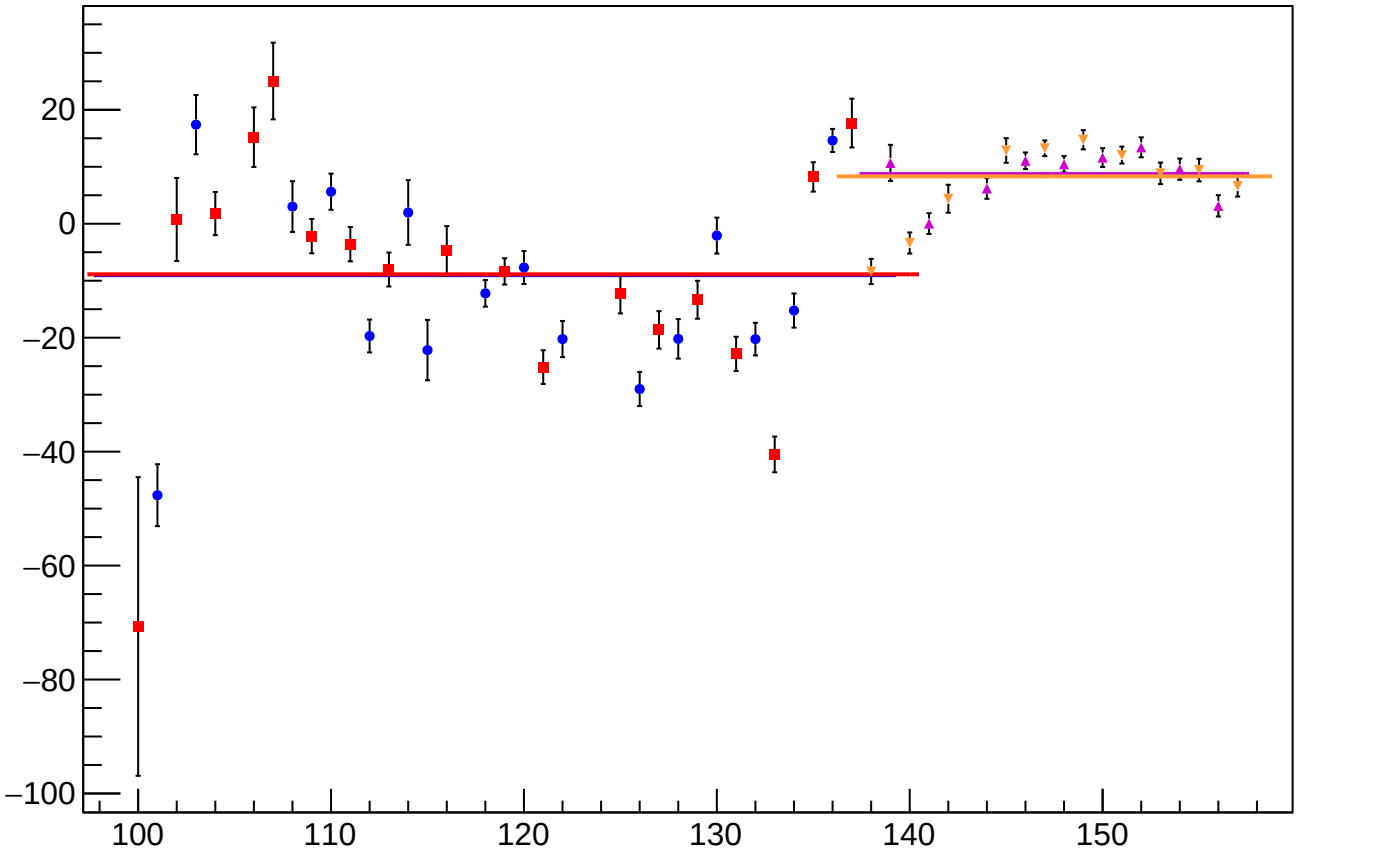
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.204+/-0.692 χ^2/NDF:190.0/8

\+ sign -83.869+/-0.507 χ^2/NDF: 5186.6/25

All: -83.696+/-0.360 χ^2/NDF: 9964.1/52

\- sign -83.519+/-0.512 χ^2/NDF: 4777.2/26



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.312+/-0.574 χ^2/NDF:138.6/9

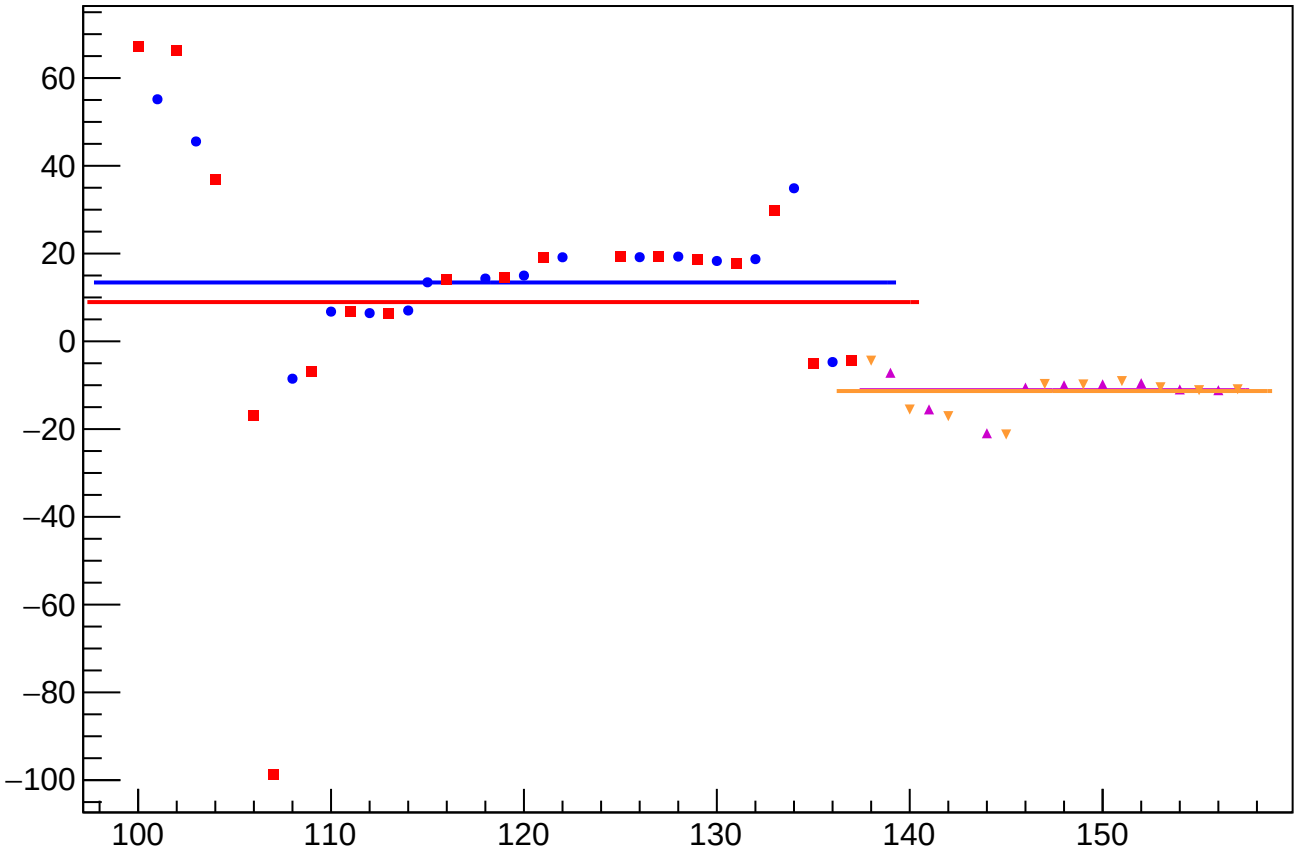
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.715+/-0.585 χ^2/NDF:48.3/8

\+ sign 2.378+/-0.466 χ^2/NDF: 808.7/25

All: 2.527+/-0.332 χ^2/NDF: 1485.6/52

\- sign 2.682+/-0.475 χ^2/NDF: 676.7/26



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.329+/-0.026 χ^2/NDF:26510.9/9

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

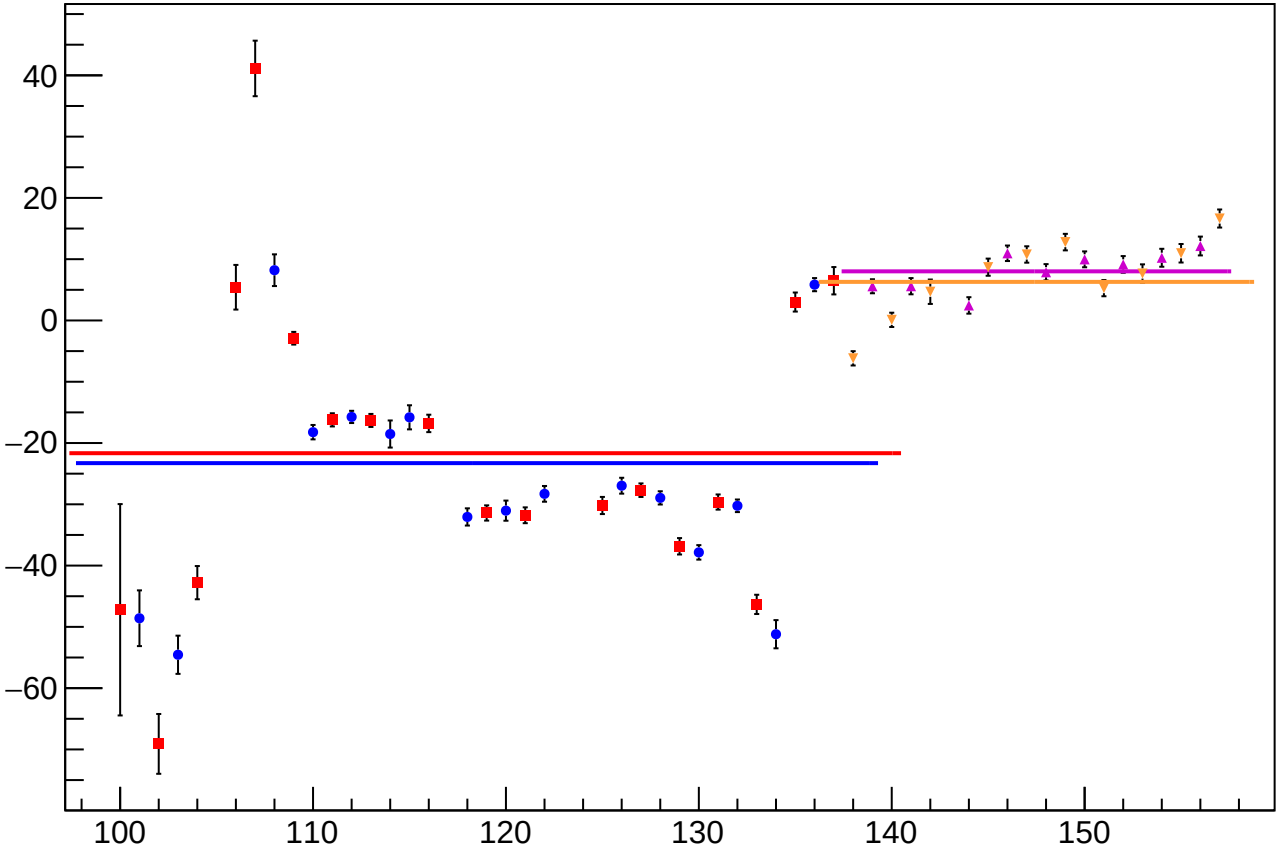
Left In: -11.131+/-0.026 χ^2/NDF:17112.0/8

+ sign -5.100+/-0.023 χ^2/NDF: 433583.5/25

All: -5.742+/-0.016 χ^2/NDF: 880537.6/52

- sign -6.401+/-0.023 χ^2/NDF: 445334.7/26

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.298+/-0.436 χ^2/NDF:240.6/9

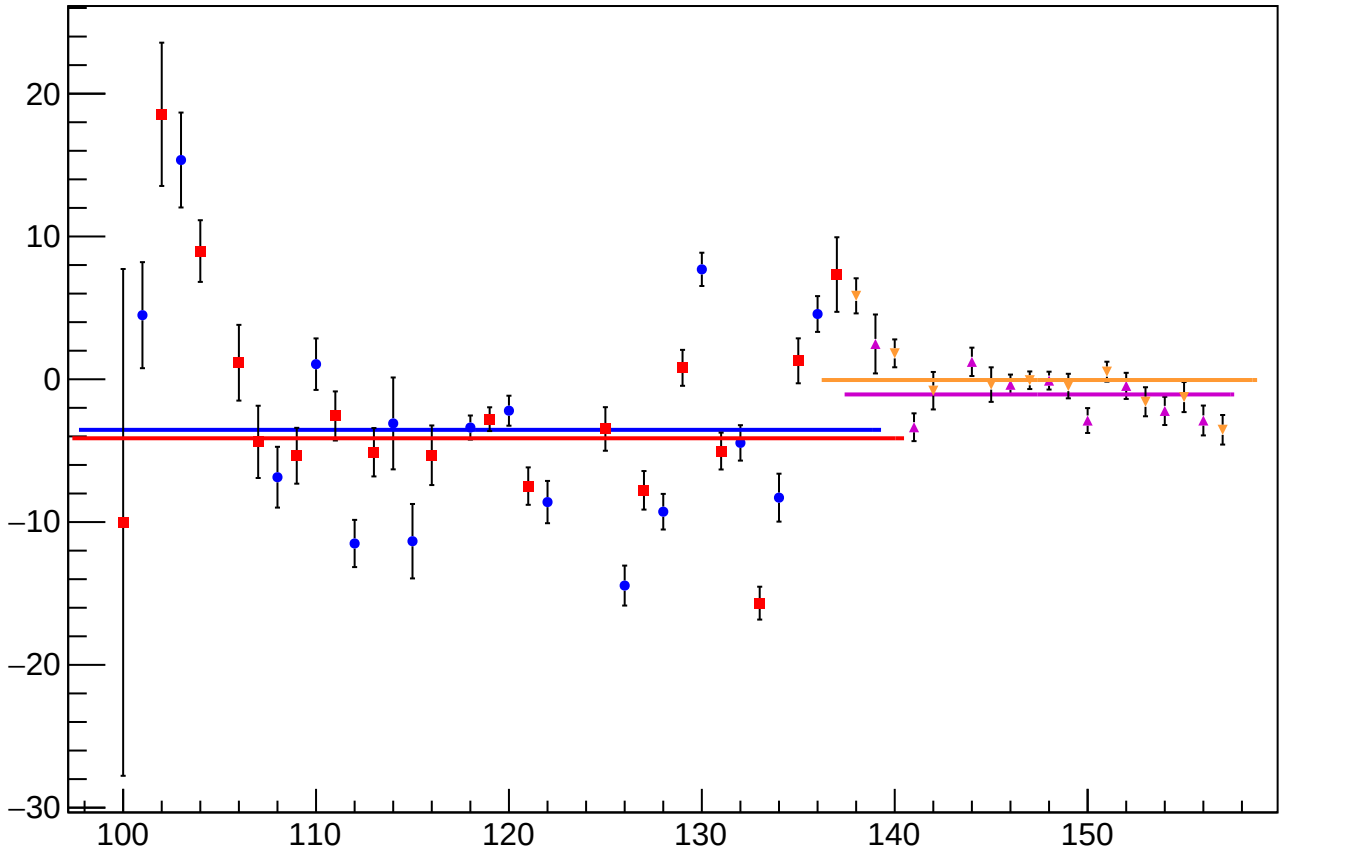
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 8.015+/-0.442 χ^2/NDF:43.0/8

+ sign -11.684+/-0.273 χ^2/NDF: 4602.2/25

All: -11.011+/-0.193 χ^2/NDF: 9255.8/52

- sign -10.339+/-0.273 χ^2/NDF: 4641.4/26



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: -0.052+/-0.291 χ^2/NDF:42.9/9

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

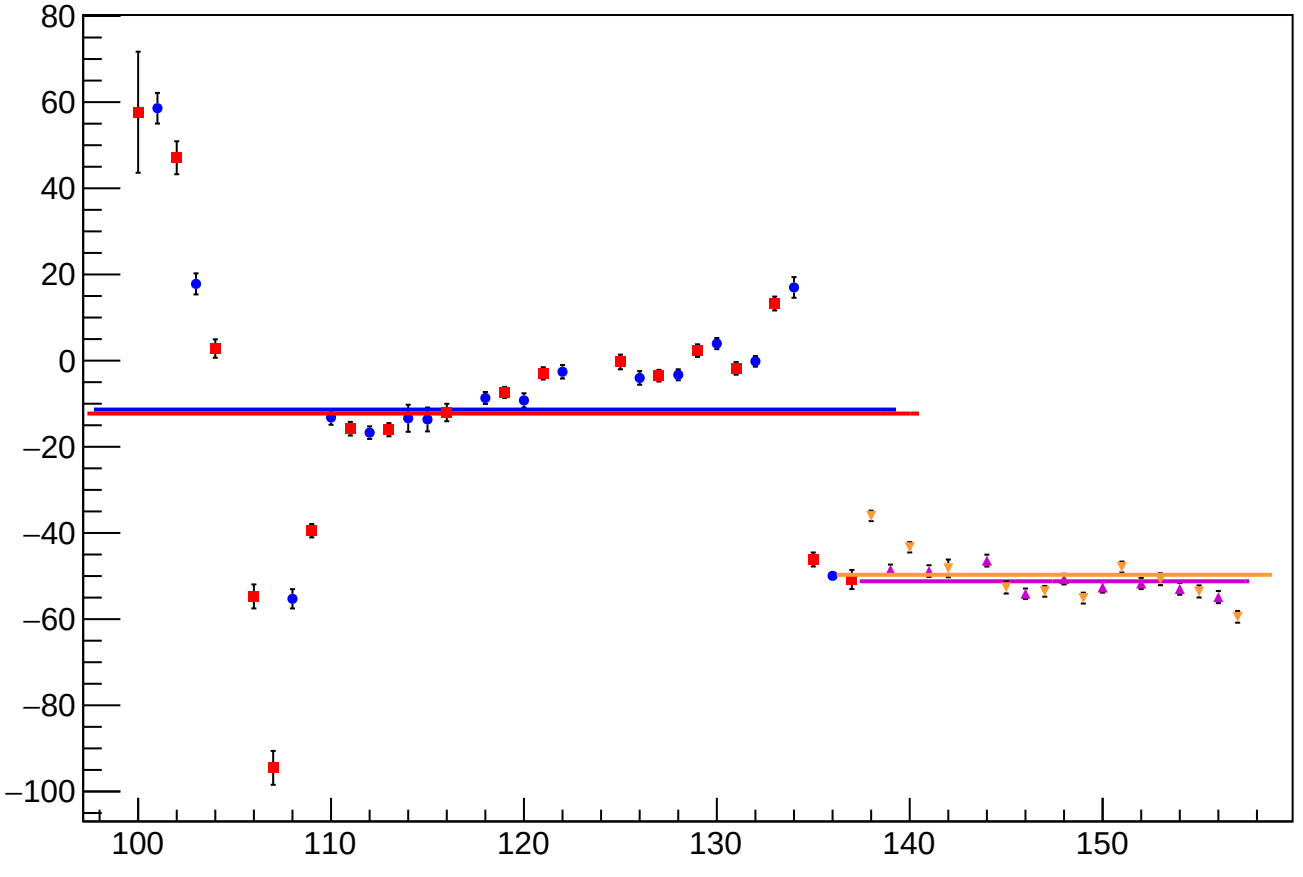
Left In: -1.062+/-0.298 χ^2/NDF:26.3/8

+ sign -1.418+/-0.227 χ^2/NDF: 416.0/25

All: -1.832+/-0.162 χ^2/NDF: 718.3/52

- sign -2.266+/-0.232 χ^2/NDF: 295.5/26

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.709+/-0.424 χ^2/NDF:249.2/9

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

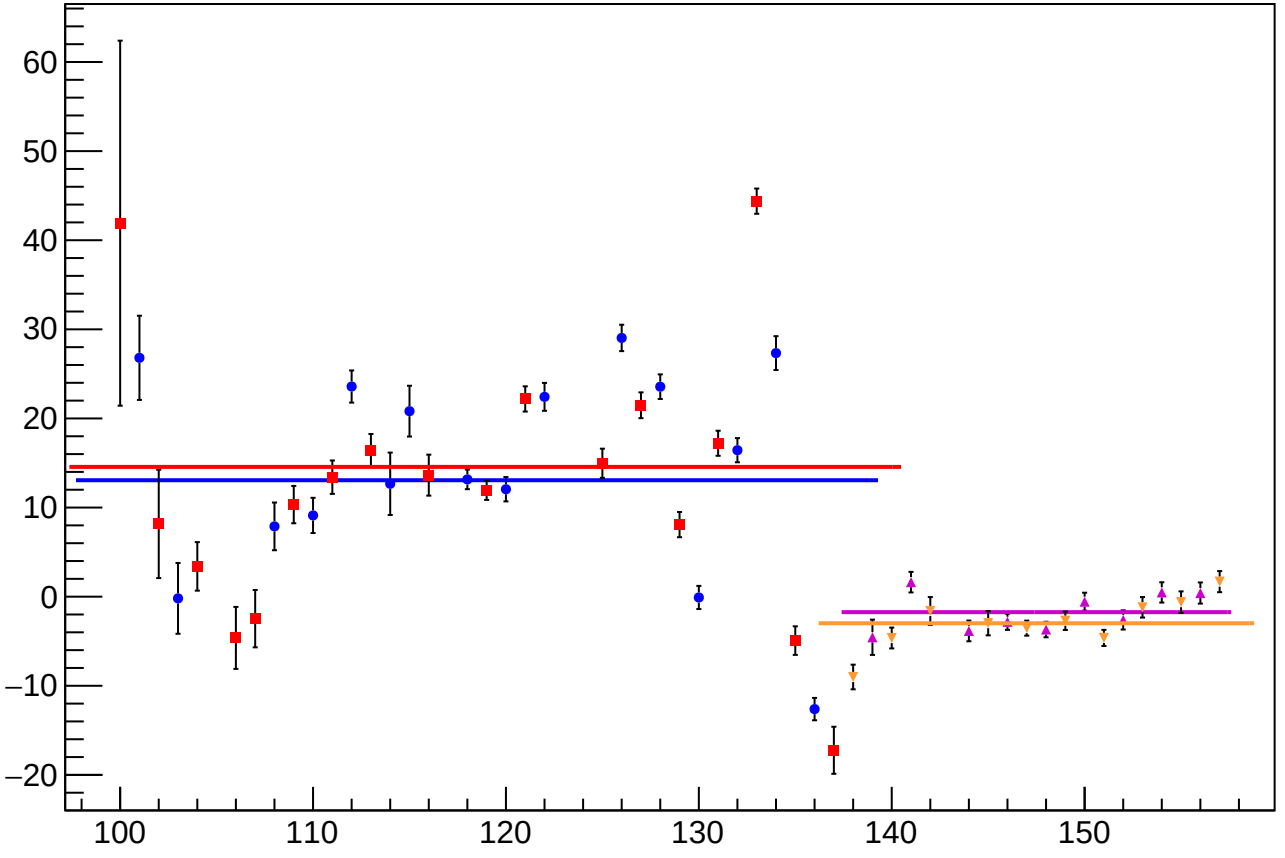
Left In: -51.215+/-0.430 χ^2/NDF:35.9/8

+ sign -29.692+/-0.293 χ^2/NDF: 7184.3/25

All: -30.330+/-0.209 χ^2/NDF: 14087.5/52

- sign -30.989+/-0.298 χ^2/NDF: 6893.6/26

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.984+/-0.355 χ^2/NDF:47.4/9

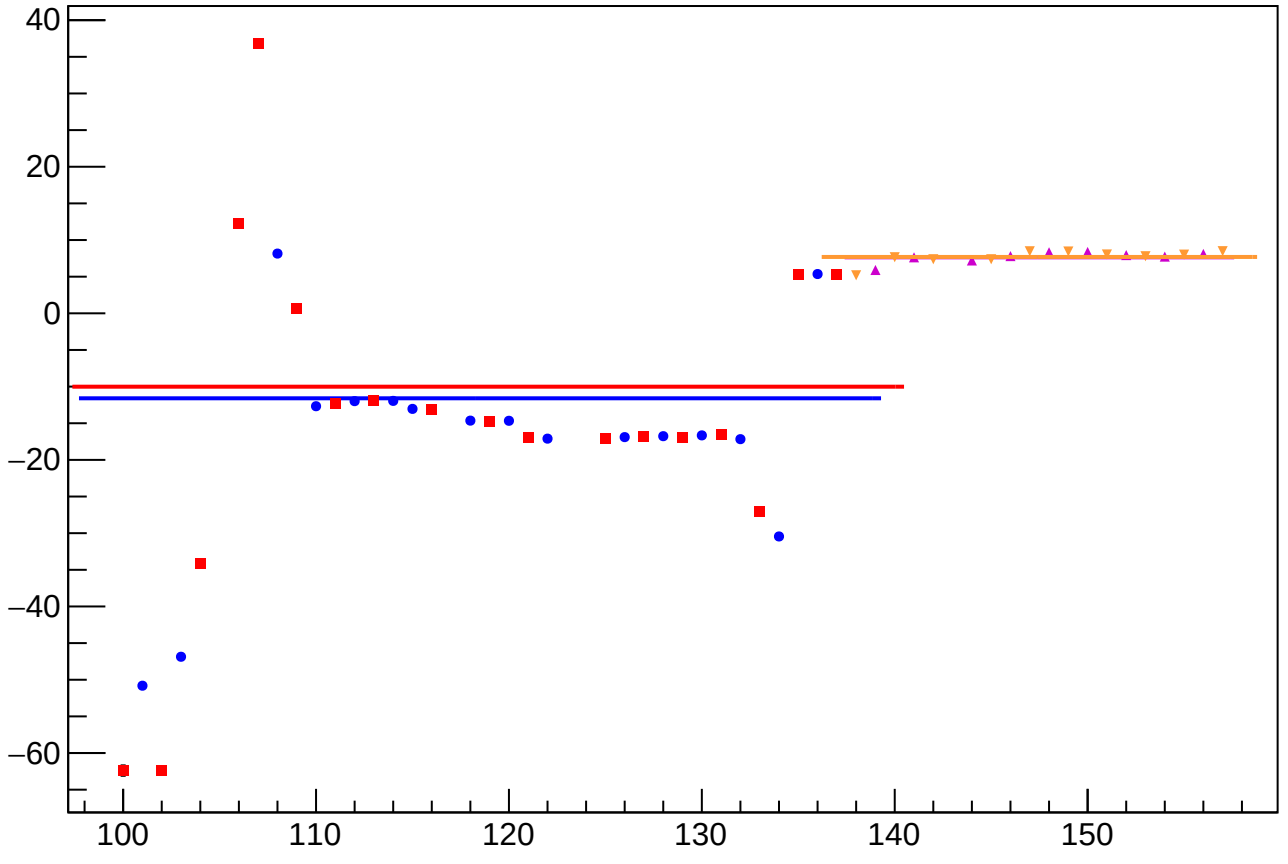
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.738+/-0.362 χ^2/NDF:29.3/8

+ sign 3.813+/-0.270 χ^2/NDF: 1774.3/25

All: 4.480+/-0.193 χ^2/NDF: 3576.7/52

- sign 5.173+/-0.275 χ^2/NDF: 1790.0/26



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.691+/-0.016 χ^2/NDF:3575.2/9

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

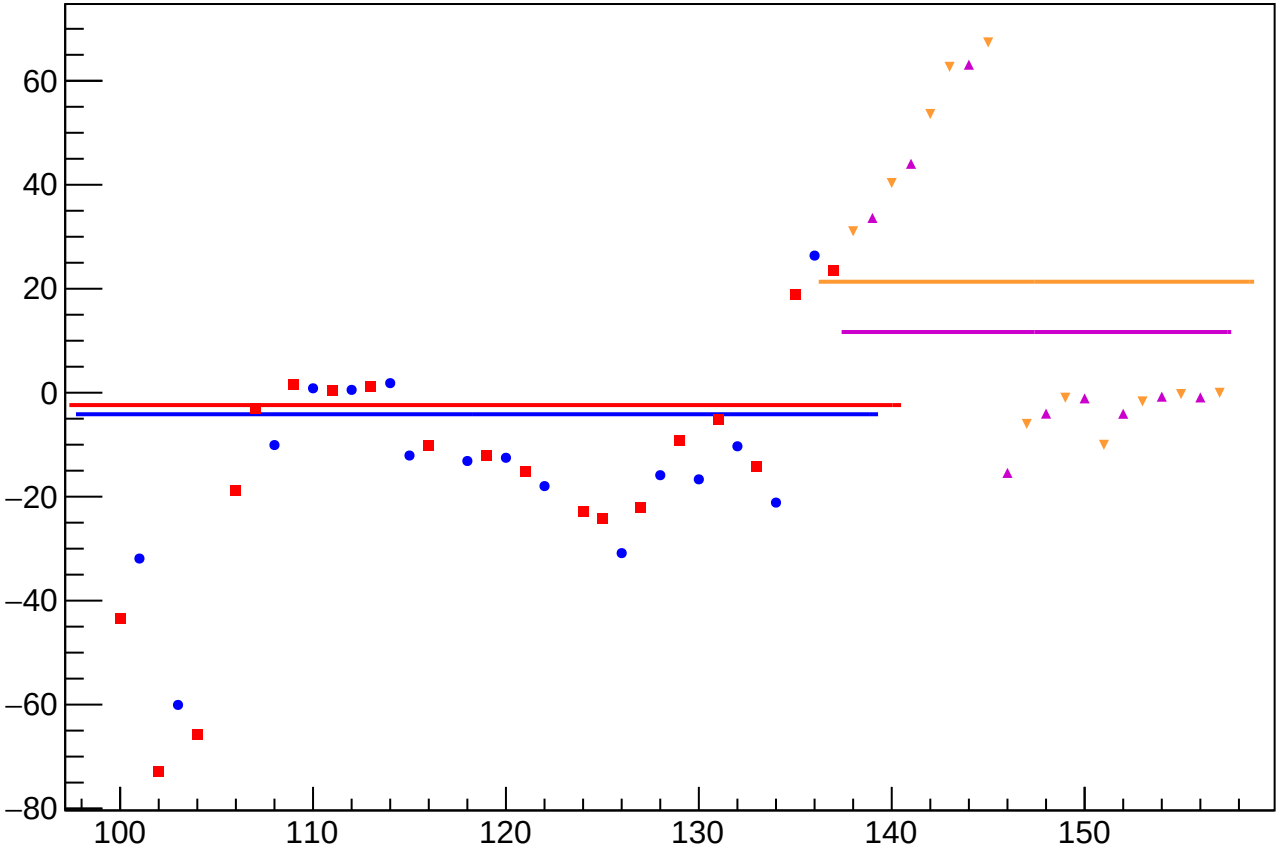
Left In: 7.639+/-0.016 χ^2/NDF:2268.1/8

+ sign 2.330+/-0.014 χ^2/NDF: 752106.7/25

All: 2.672+/-0.010 χ^2/NDF: 1457339.5/52

- sign 3.023+/-0.014 χ^2/NDF: 703999.7/26

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 21.348+/-0.081 χ^2/NDF:99128.1/10

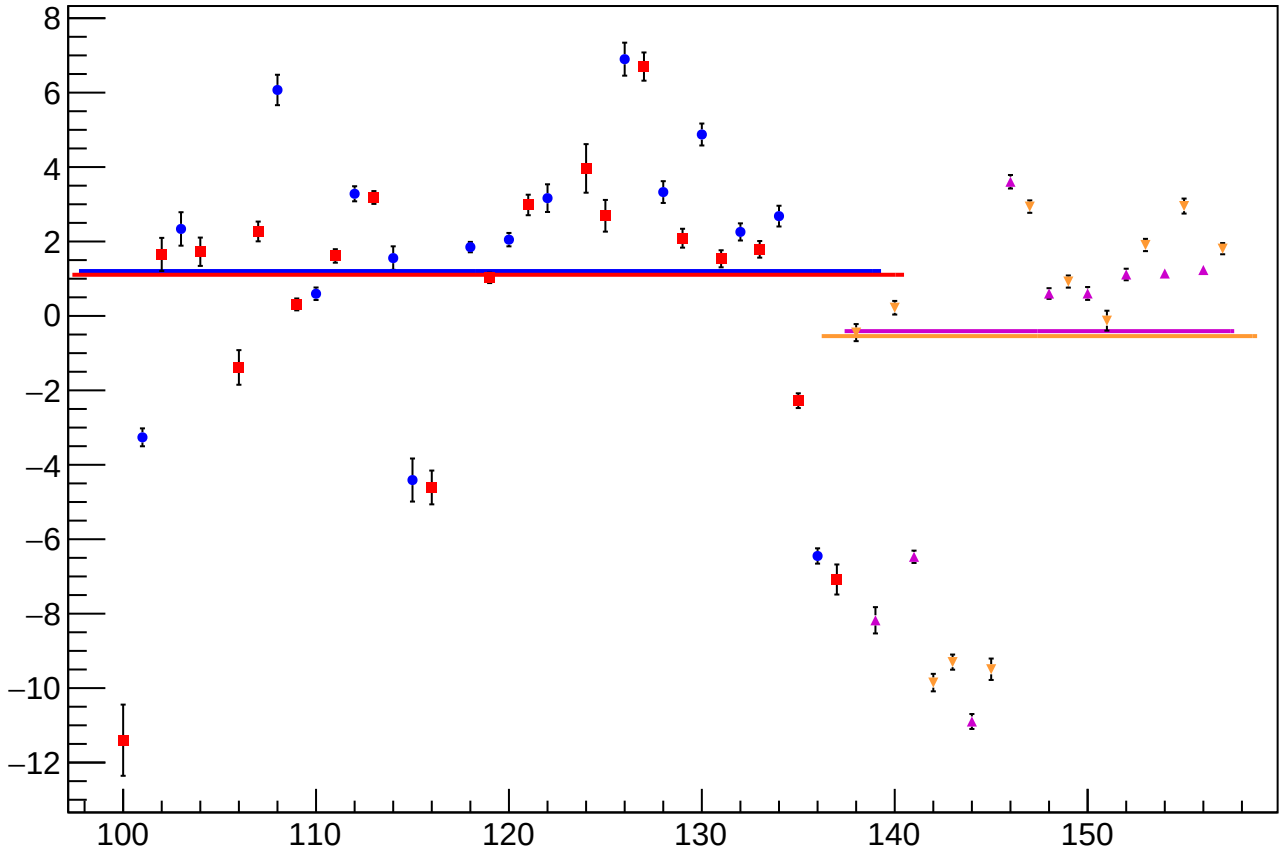
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 11.674+/-0.072 χ^2/NDF:97756.6/8

+ sign 3.813+/-0.045 χ^2/NDF: 242242.1/26

All: 2.591+/-0.030 χ^2/NDF: 448915.8/54

- sign 1.693+/-0.039 χ^2/NDF: 205414.3/27



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.542+/-0.058 χ^2/NDF:5687.1/10

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

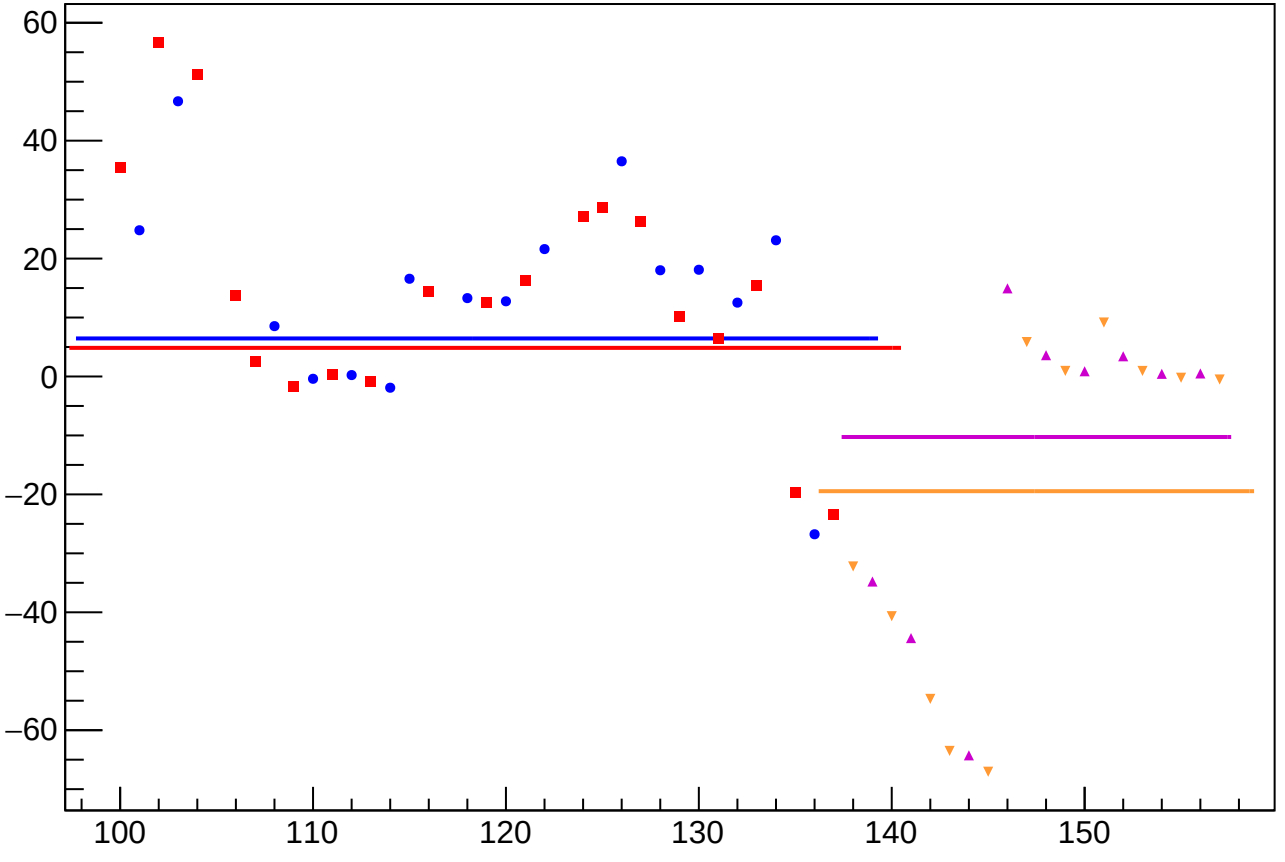
Left In: -0.408+/-0.050 χ^2/NDF:5647.2/8

+ sign 0.299+/-0.042 χ^2/NDF: 8705.9/26

All: 0.273+/-0.028 χ^2/NDF: 16336.0/54

- sign 0.252+/-0.038 χ^2/NDF: 7629.4/27

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -19.457+/-0.079 χ^2/NDF:102076.4/10

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

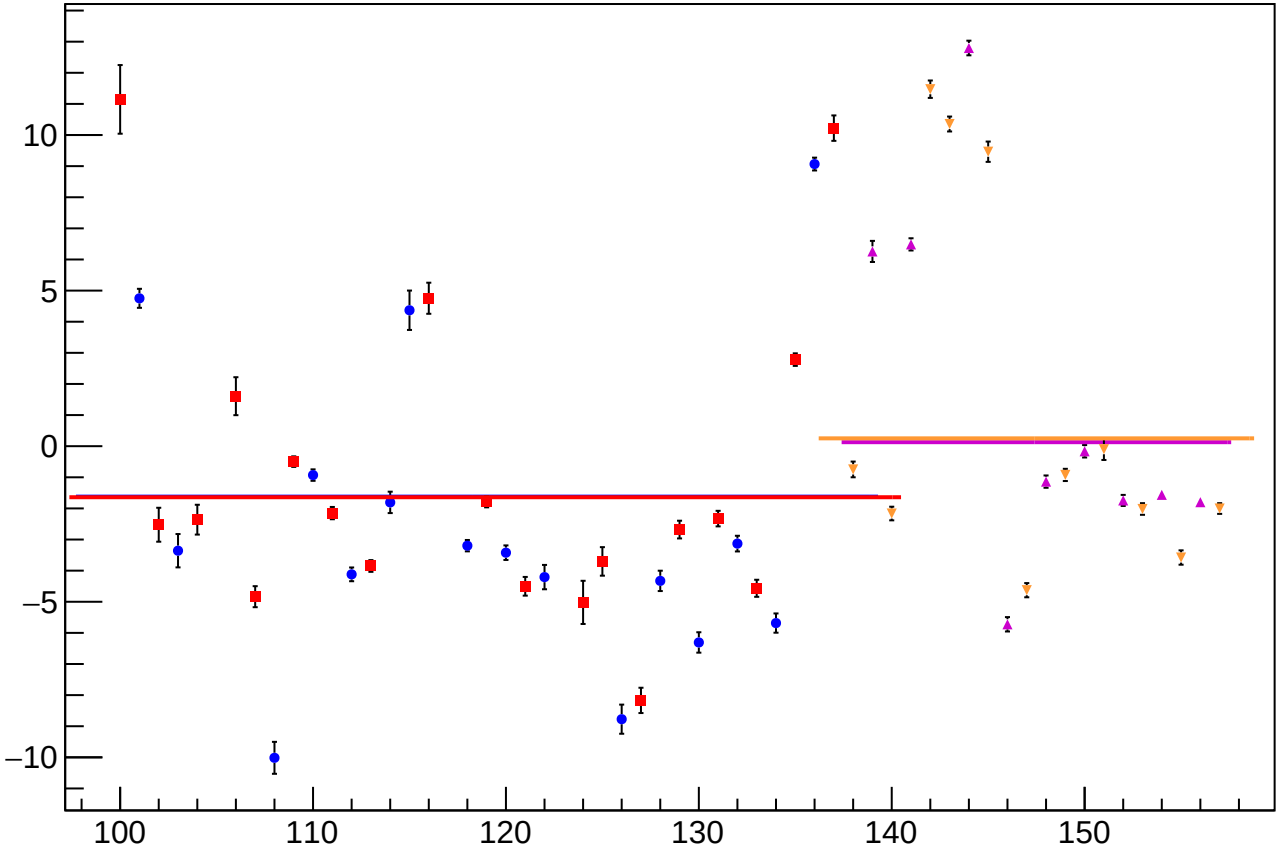
Left In: -10.264+/-0.069 χ^2/NDF:98995.7/8

\+ sign -4.022+/-0.050 χ^2/NDF: 236567.2/26

All: -2.635+/-0.034 χ^2/NDF: 439763.4/54

\- sign -1.527+/-0.045 χ^2/NDF: 201829.7/27

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.252+/-0.069 χ^2/NDF:5404.0/10

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

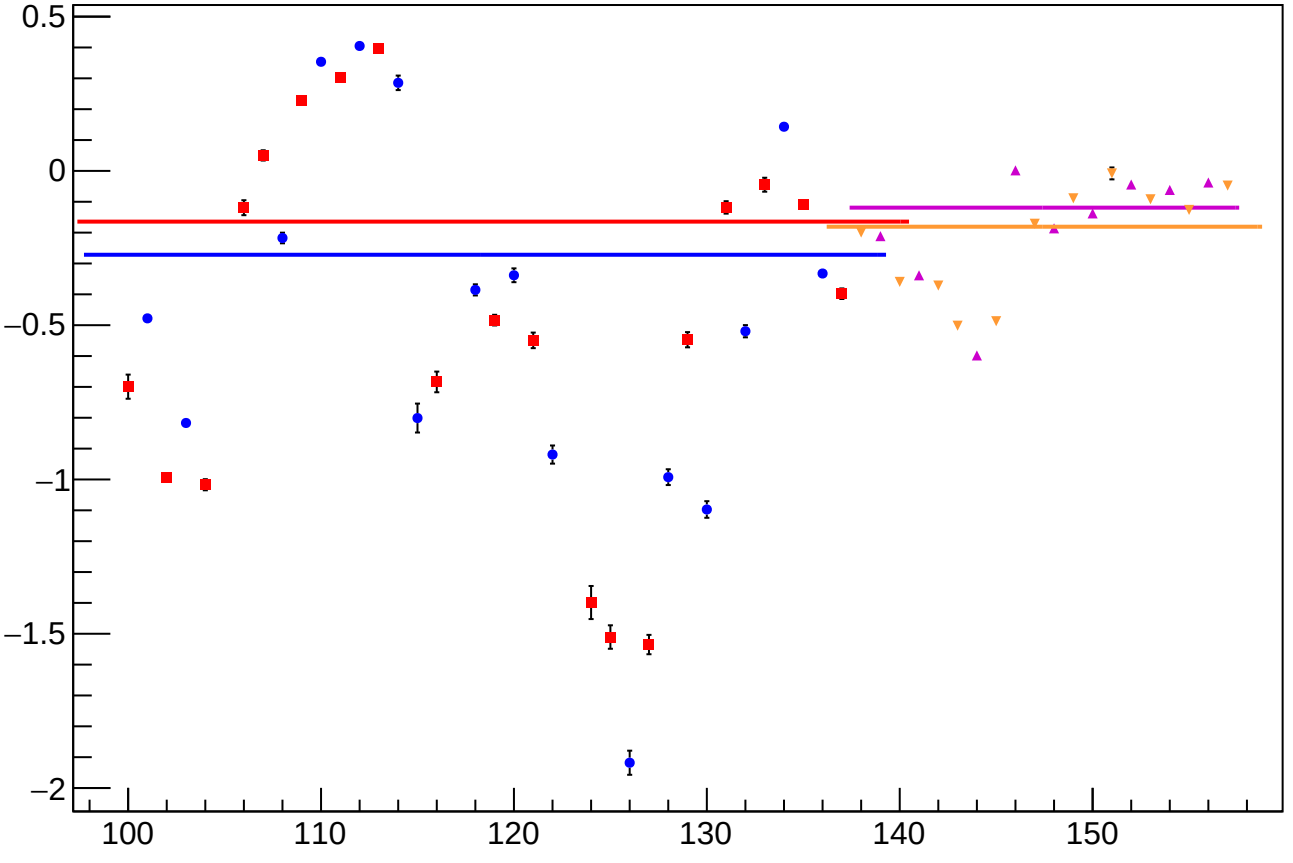
Left In: 0.129+/-0.059 χ^2/NDF:5495.8/8

+ sign -0.676+/-0.049 χ^2/NDF: 10295.0/26

All: -0.678+/-0.033 χ^2/NDF: 18660.8/54

- sign -0.679+/-0.044 χ^2/NDF: 8365.7/27

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.181+/-0.003 χ^2/NDF:2490.5/10

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

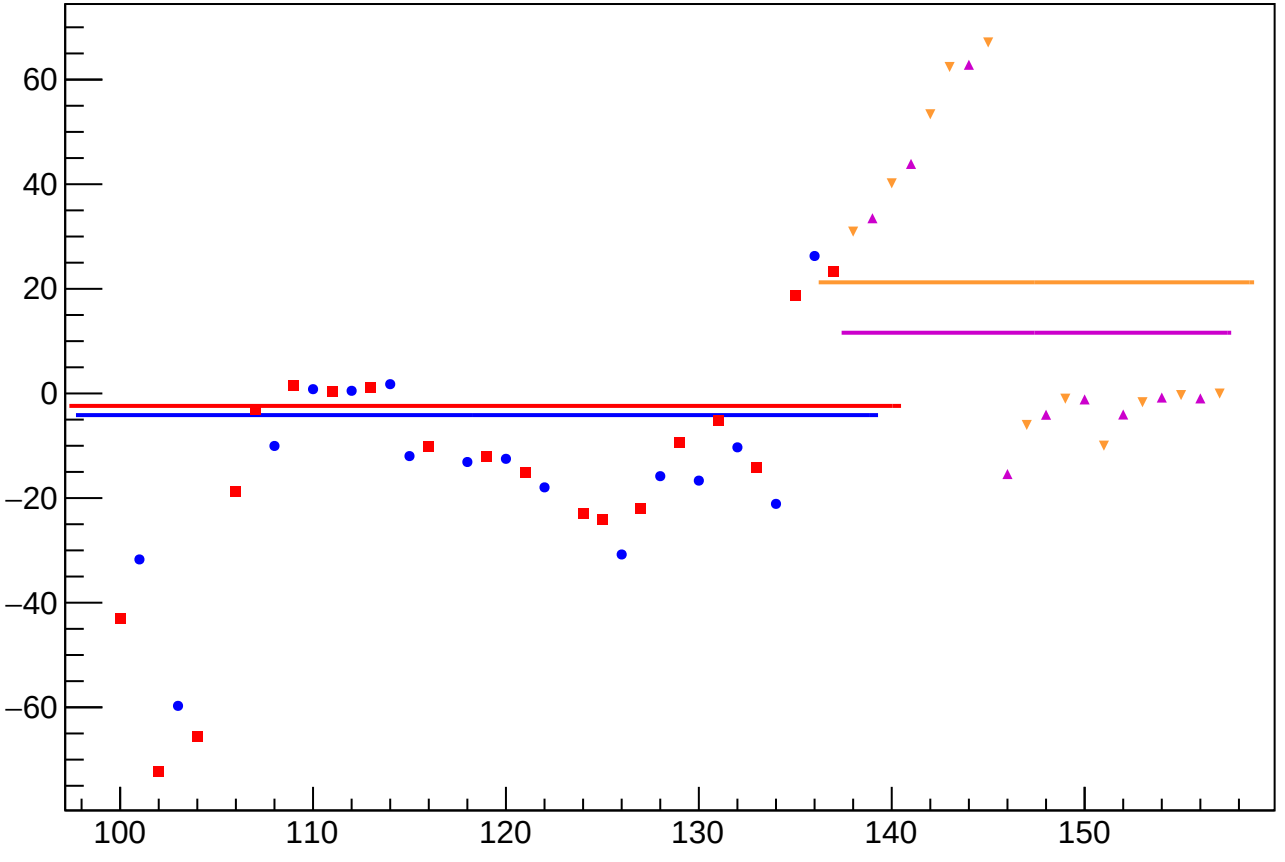
Left In: -0.119+/-0.002 χ^2/NDF:2811.1/8

+ sign -0.212+/-0.002 χ^2/NDF: 14855.2/26

All: -0.166+/-0.002 χ^2/NDF: 33881.6/54

- sign -0.133+/-0.002 χ^2/NDF: 18408.0/27

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 21.244+/-0.081 χ^2/NDF:99051.0/10

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

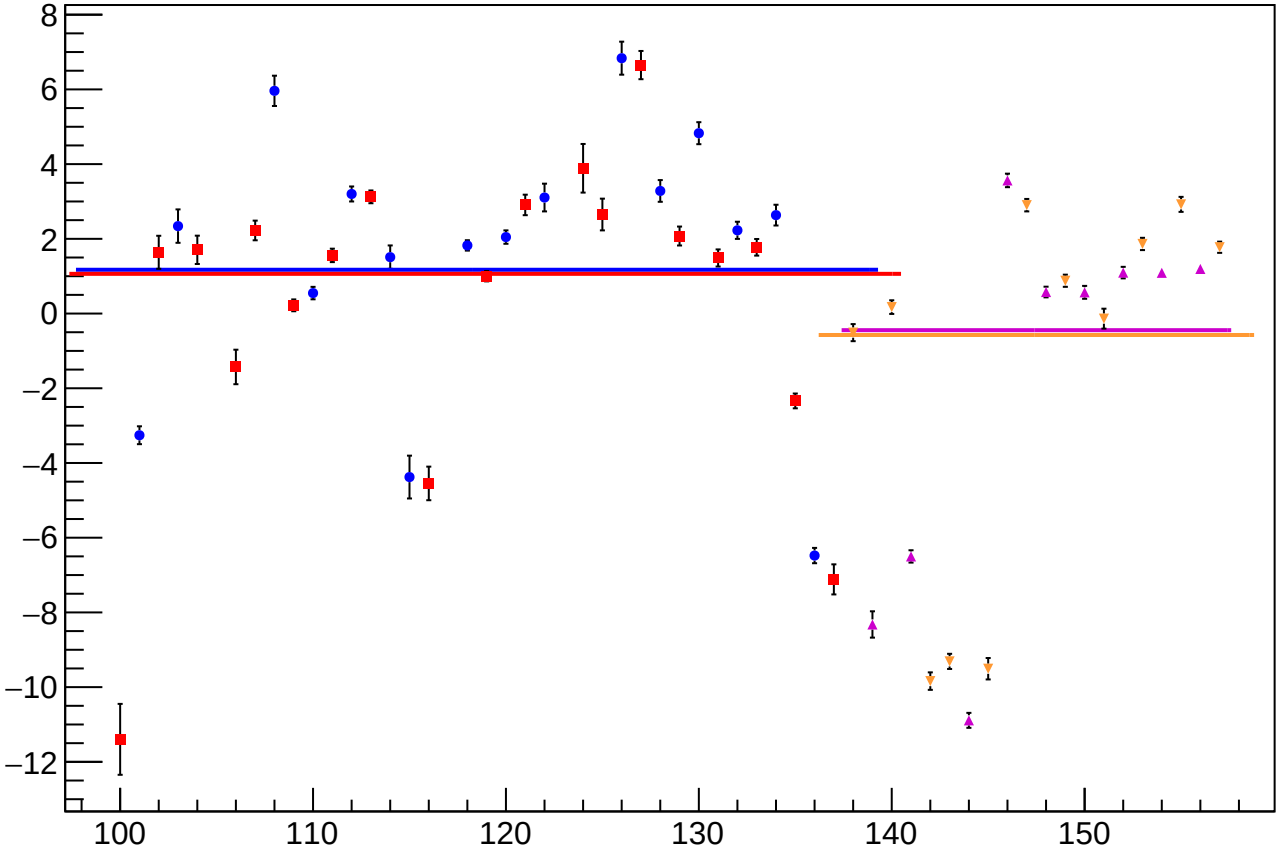
Left In: 11.609+/-0.072 χ^2/NDF:97725.6/8

+ sign 3.754+/-0.045 χ^2/NDF: 242126.6/26

All: 2.544+/-0.029 χ^2/NDF: 448631.8/54

- sign 1.655+/-0.039 χ^2/NDF: 205257.6/27

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.574+/-0.058 χ^2/NDF:5693.1/10

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

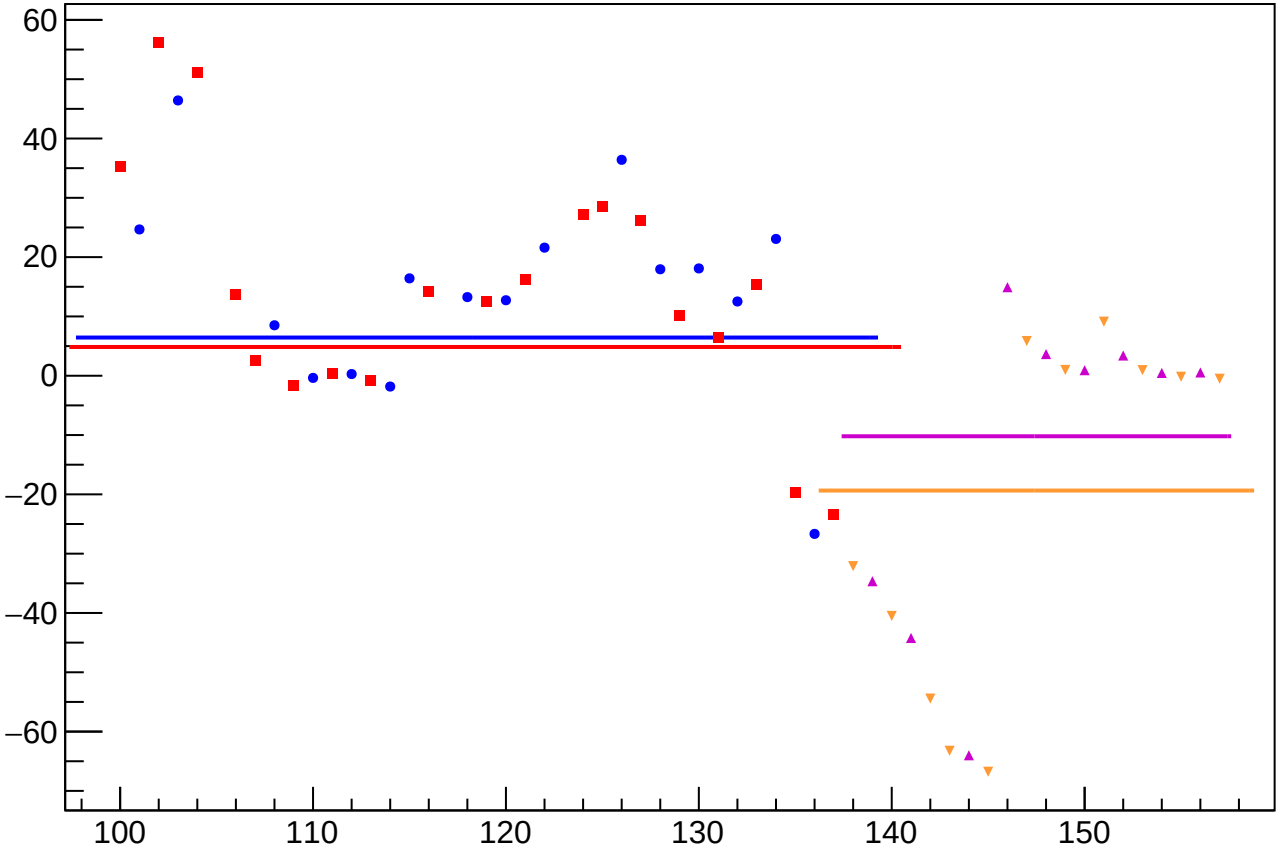
Left In: -0.445+/-0.050 χ^2/NDF:5667.6/8

+ sign 0.267+/-0.042 χ^2/NDF: 8714.8/26

All: 0.238+/-0.028 χ^2/NDF: 16374.7/54

- sign 0.214+/-0.038 χ^2/NDF: 7659.0/27

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -19.359+/-0.079 χ^2/NDF:101989.3/10

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

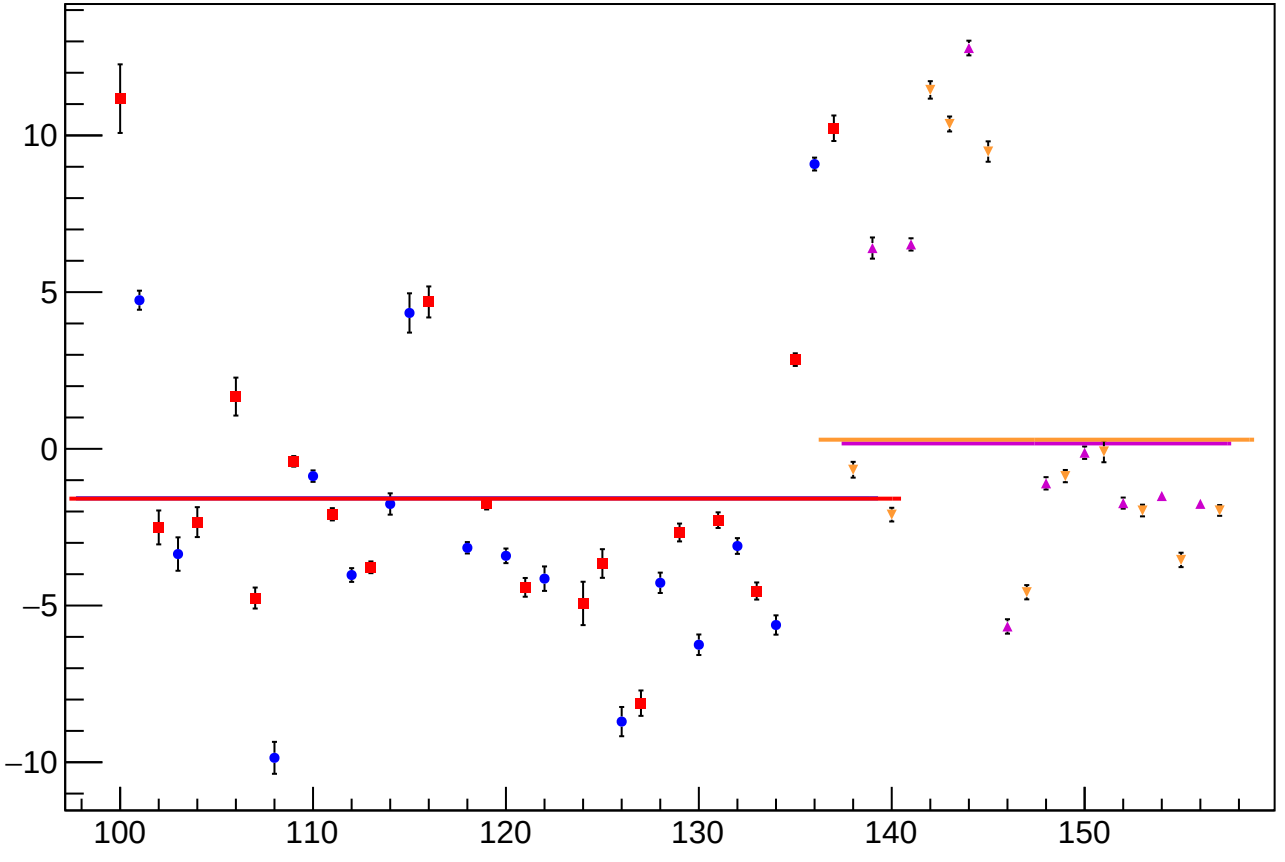
Left In: -10.204+/-0.069 χ^2/NDF:98952.5/8

\+ sign -3.962+/-0.050 χ^2/NDF: 236443.9/26

All: -2.585+/-0.033 χ^2/NDF: 439466.6/54

\- sign -1.485+/-0.045 χ^2/NDF: 201662.8/27

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.292+/-0.069 χ^2/NDF:5404.3/10

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

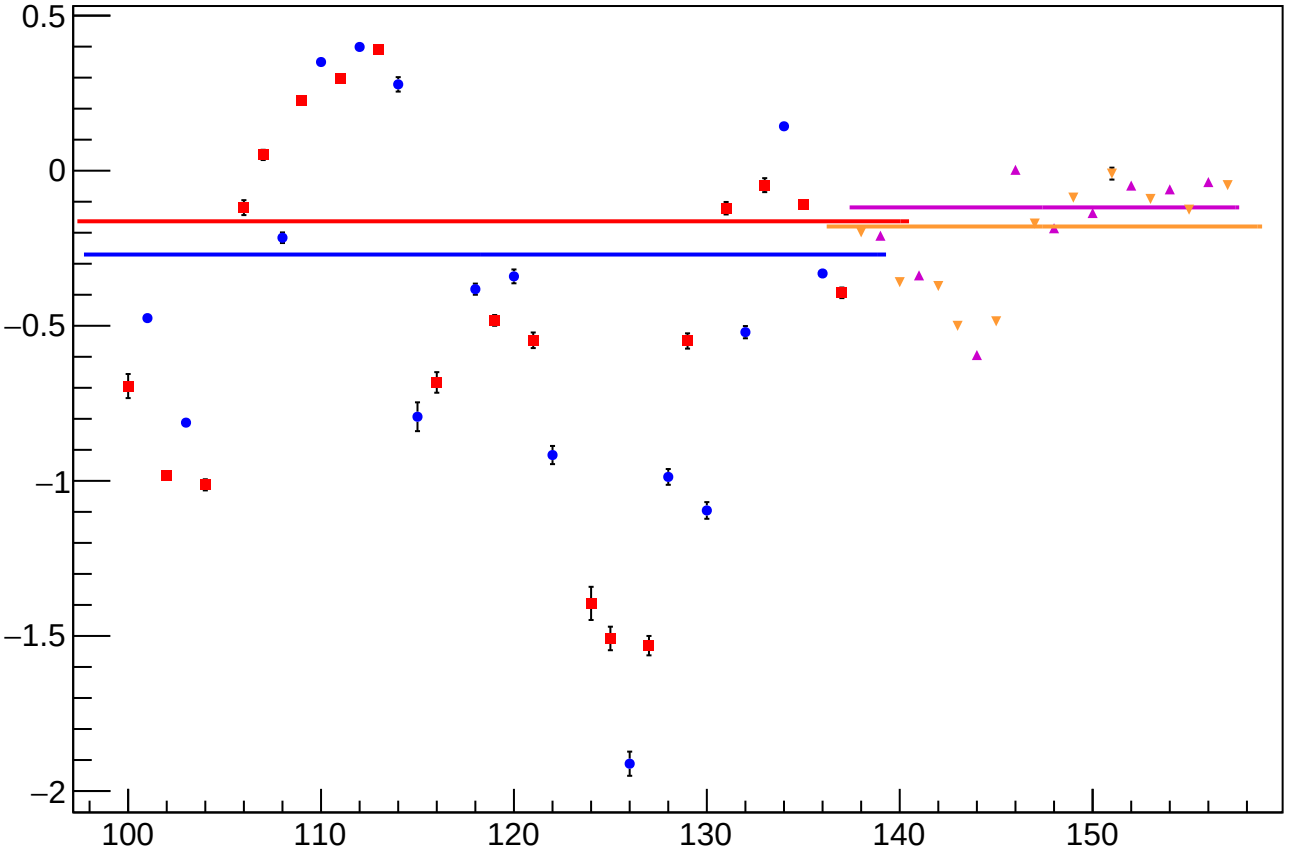
Left In: 0.173+/-0.059 χ^2/NDF:5513.7/8

+ sign -0.637+/-0.049 χ^2/NDF: 10297.0/26

All: -0.635+/-0.032 χ^2/NDF: 18690.7/54

- sign -0.634+/-0.043 χ^2/NDF: 8393.7/27

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.180+/-0.003 χ^2/NDF:2507.6/10

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

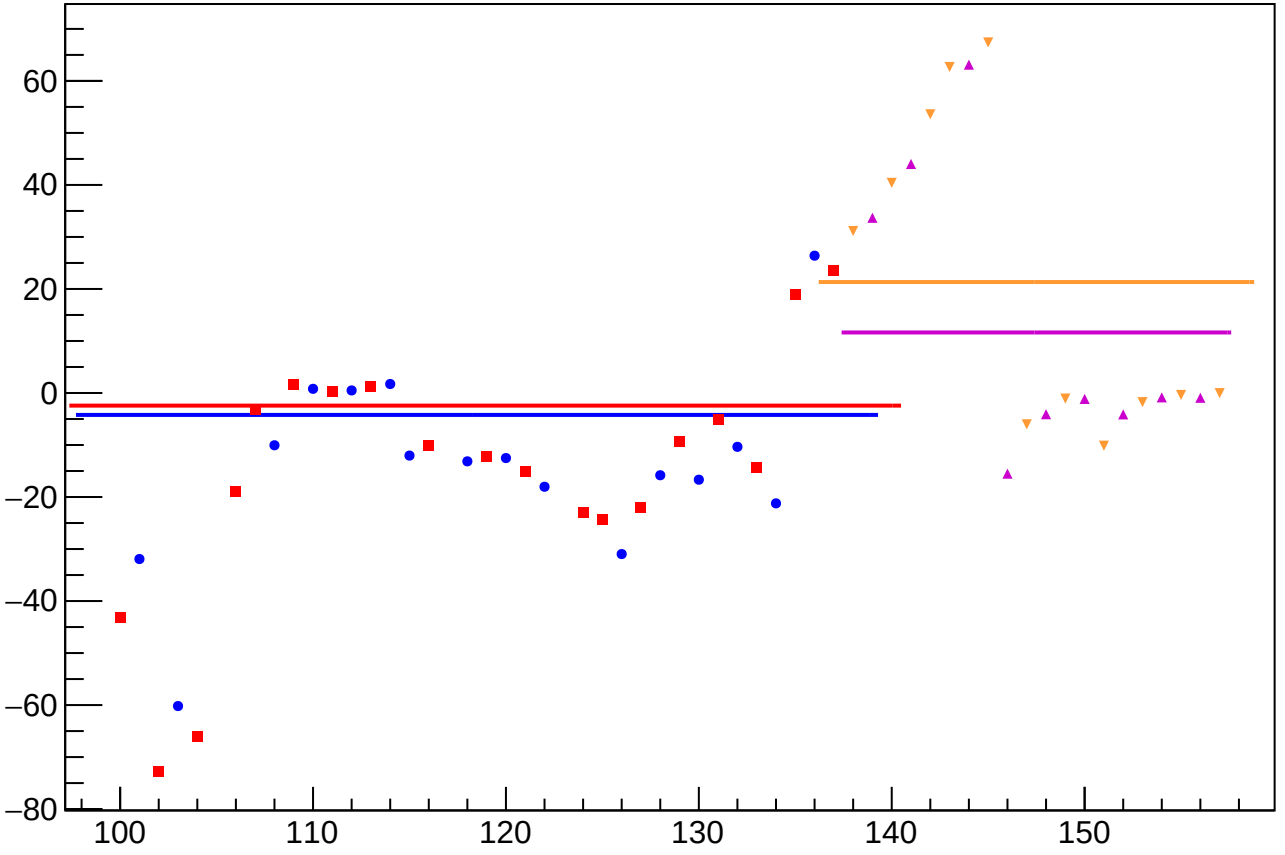
Left In: -0.118+/-0.002 χ^2/NDF:2799.5/8

+ sign -0.211+/-0.002 χ^2/NDF: 14859.5/26

All: -0.165+/-0.002 χ^2/NDF: 33887.8/54

- sign -0.132+/-0.002 χ^2/NDF: 18408.3/27

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 21.333+/-0.081 χ^2/NDF:99295.3/10

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

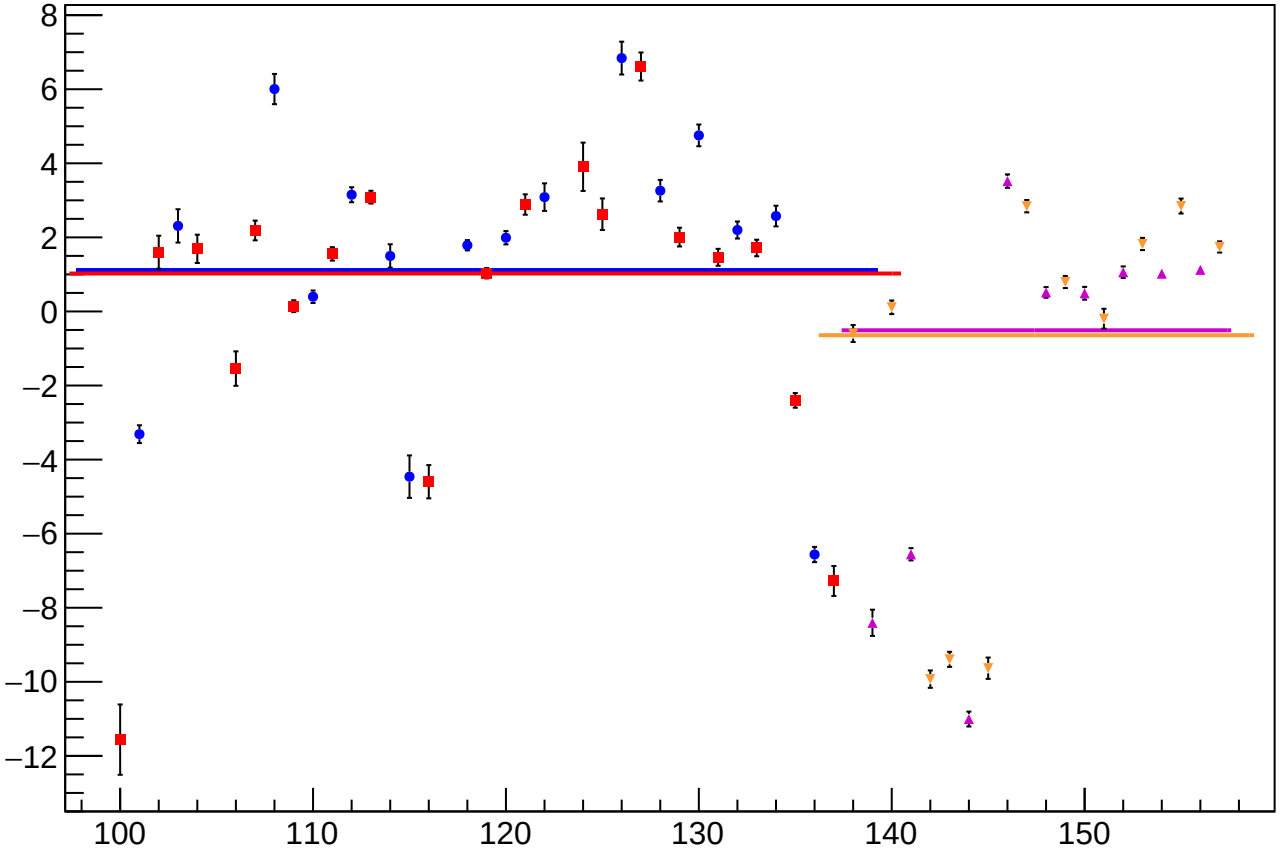
Left In: 11.636+/-0.072 χ^2/NDF:97854.5/8

+ sign 3.754+/-0.045 χ^2/NDF: 242524.2/26

All: 2.541+/-0.030 χ^2/NDF: 449229.7/54

- sign 1.650+/-0.039 χ^2/NDF: 205466.5/27

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -0.642+/-0.058 χ^2/NDF:5684.9/10

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

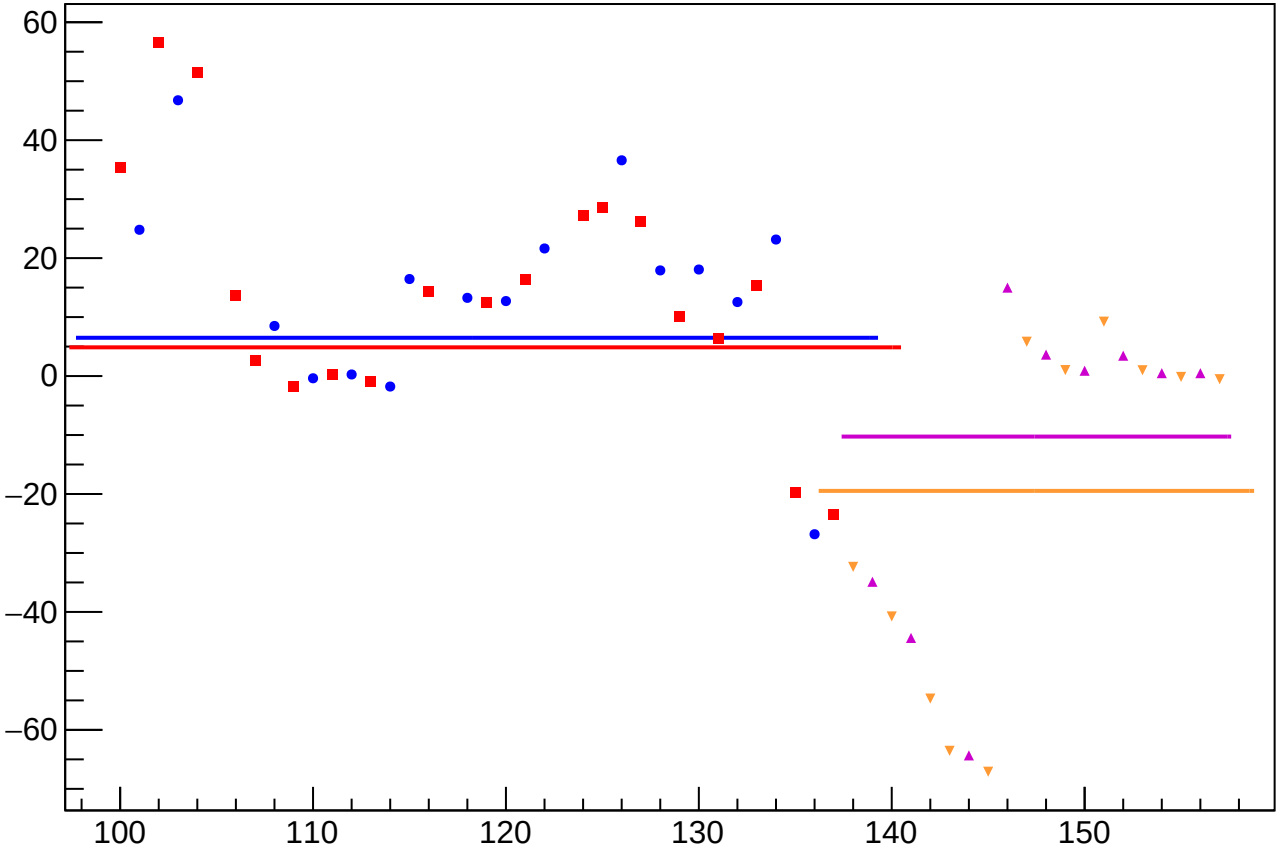
Left In: -0.509+/-0.050 χ^2/NDF:5649.4/8

+ sign 0.206+/-0.042 χ^2/NDF: 8716.7/26

All: 0.180+/-0.028 χ^2/NDF: 16383.5/54

- sign 0.160+/-0.038 χ^2/NDF: 7666.1/27

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -19.472+/-0.079 χ^2/NDF:102254.9/10

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

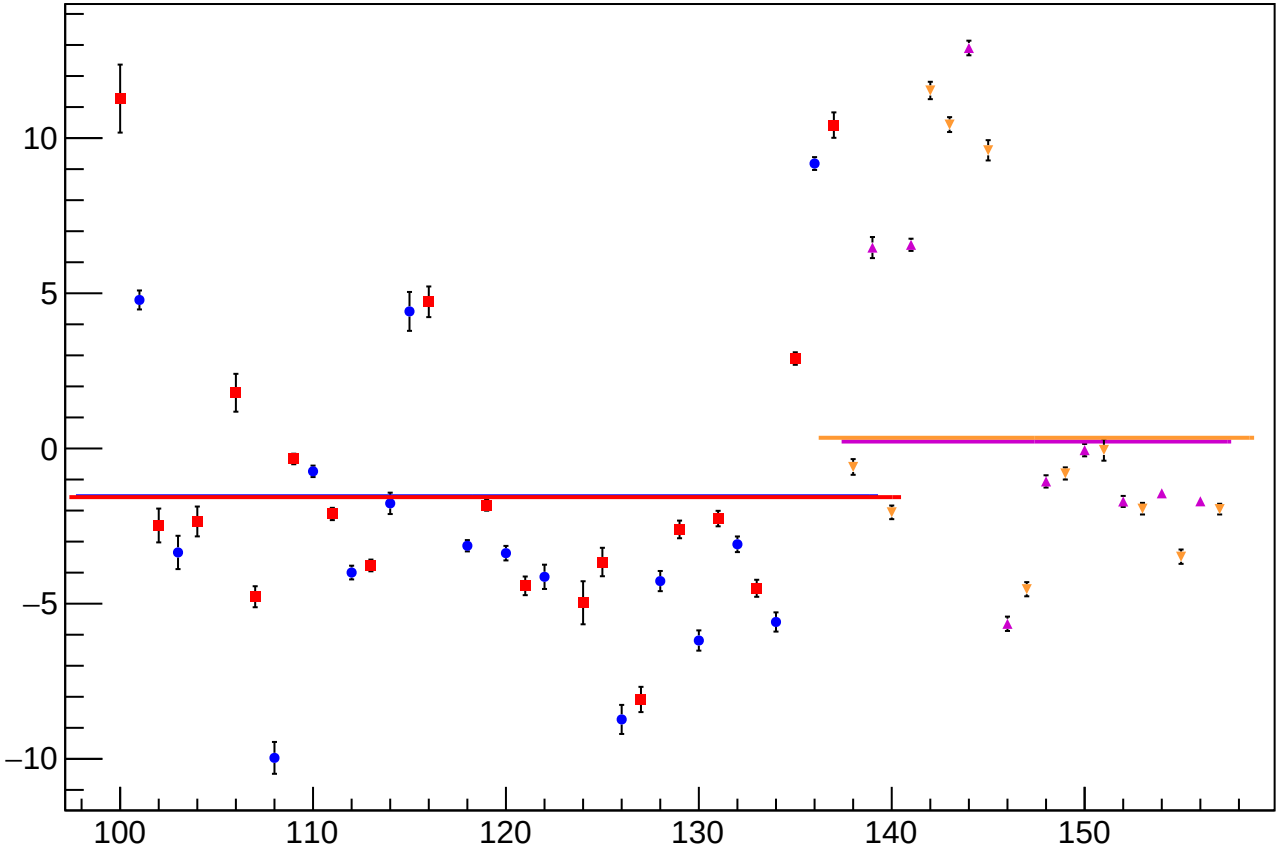
Left In: -10.262+/-0.069 χ^2/NDF:99085.5/8

+ sign -3.994+/-0.050 χ^2/NDF: 236874.1/26

All: -2.616+/-0.034 χ^2/NDF: 440140.7/54

- sign -1.516+/-0.045 χ^2/NDF: 201920.4/27

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.345+/-0.069 χ^2/NDF:5398.4/10

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

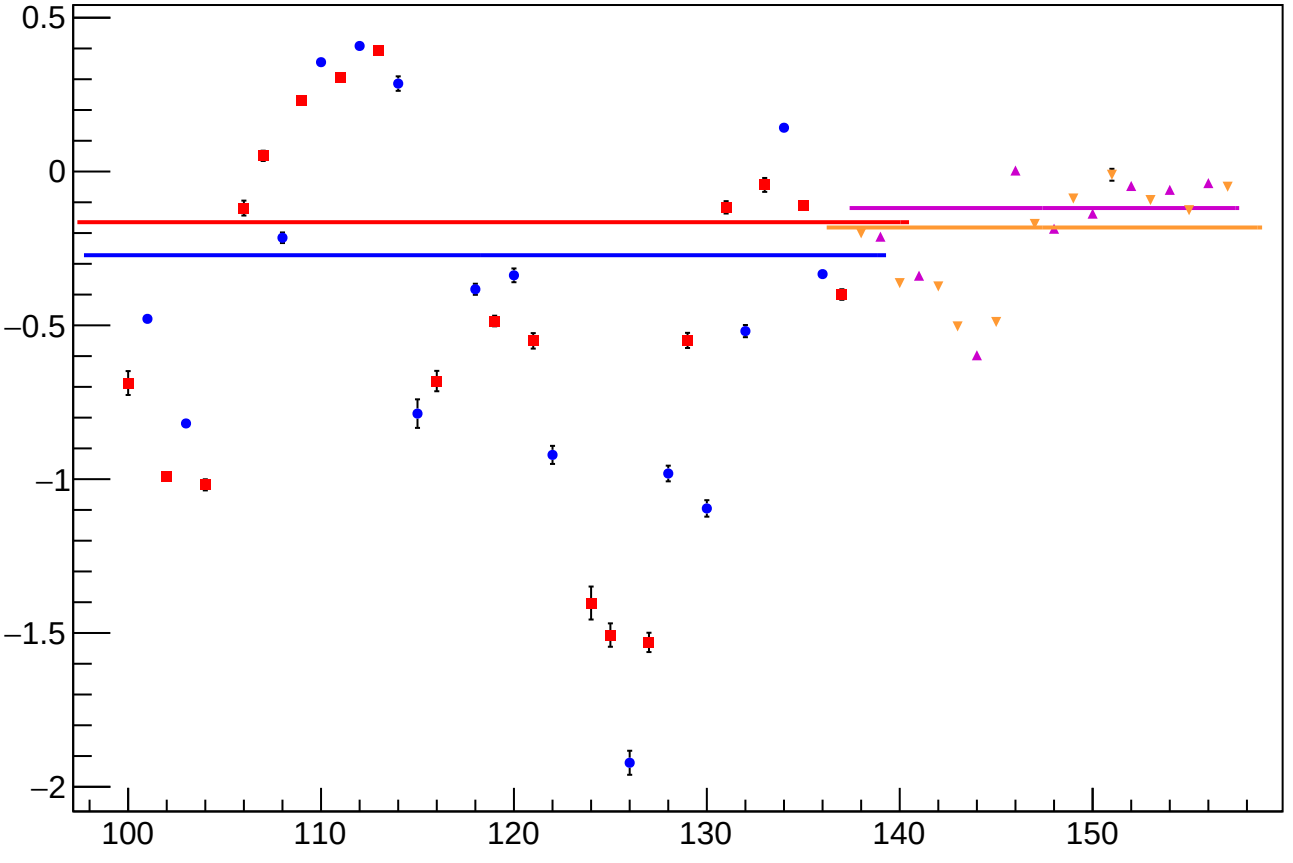
Left In: 0.224+/-0.059 χ^2/NDF:5501.0/8

+ sign -0.589+/-0.049 χ^2/NDF: 10304.4/26

All: -0.592+/-0.033 χ^2/NDF: 18719.9/54

- sign -0.595+/-0.044 χ^2/NDF: 8415.4/27

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.182+/-0.003 χ^2/NDF:2503.2/10

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

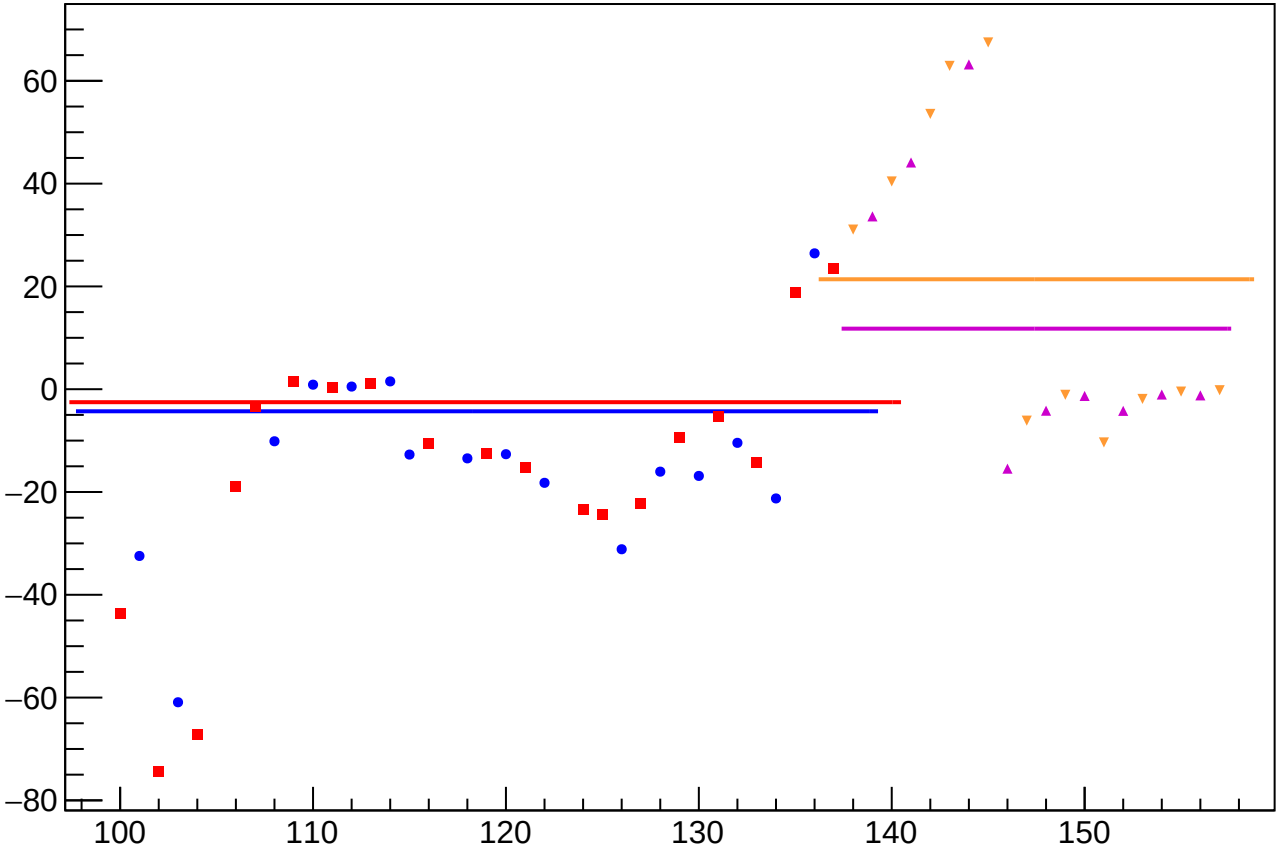
Left In: -0.119+/-0.002 χ^2/NDF:2806.8/8

+ sign -0.212+/-0.002 χ^2/NDF: 14877.5/26

All: -0.166+/-0.002 χ^2/NDF: 33910.5/54

- sign -0.132+/-0.002 χ^2/NDF: 18400.1/27

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 21.391+/-0.082 χ^2/NDF:97864.8/10

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

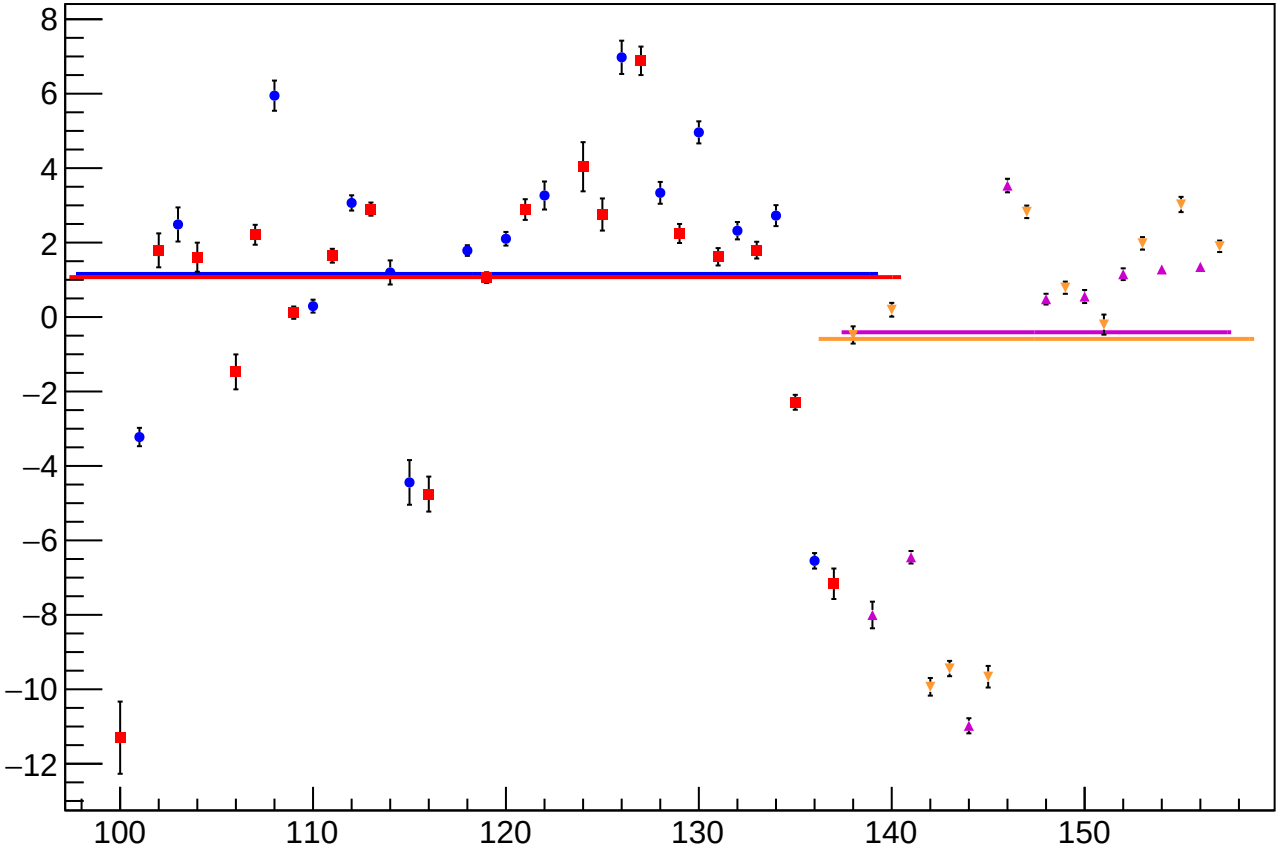
Left In: 11.783+/-0.074 χ^2/NDF:96074.7/8

+ sign 3.795+/-0.046 χ^2/NDF: 238992.4/26

All: 2.555+/-0.030 χ^2/NDF: 442875.9/54

- sign 1.633+/-0.040 χ^2/NDF: 202622.9/27

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -0.587+/-0.059 χ^2/NDF:5687.8/10

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

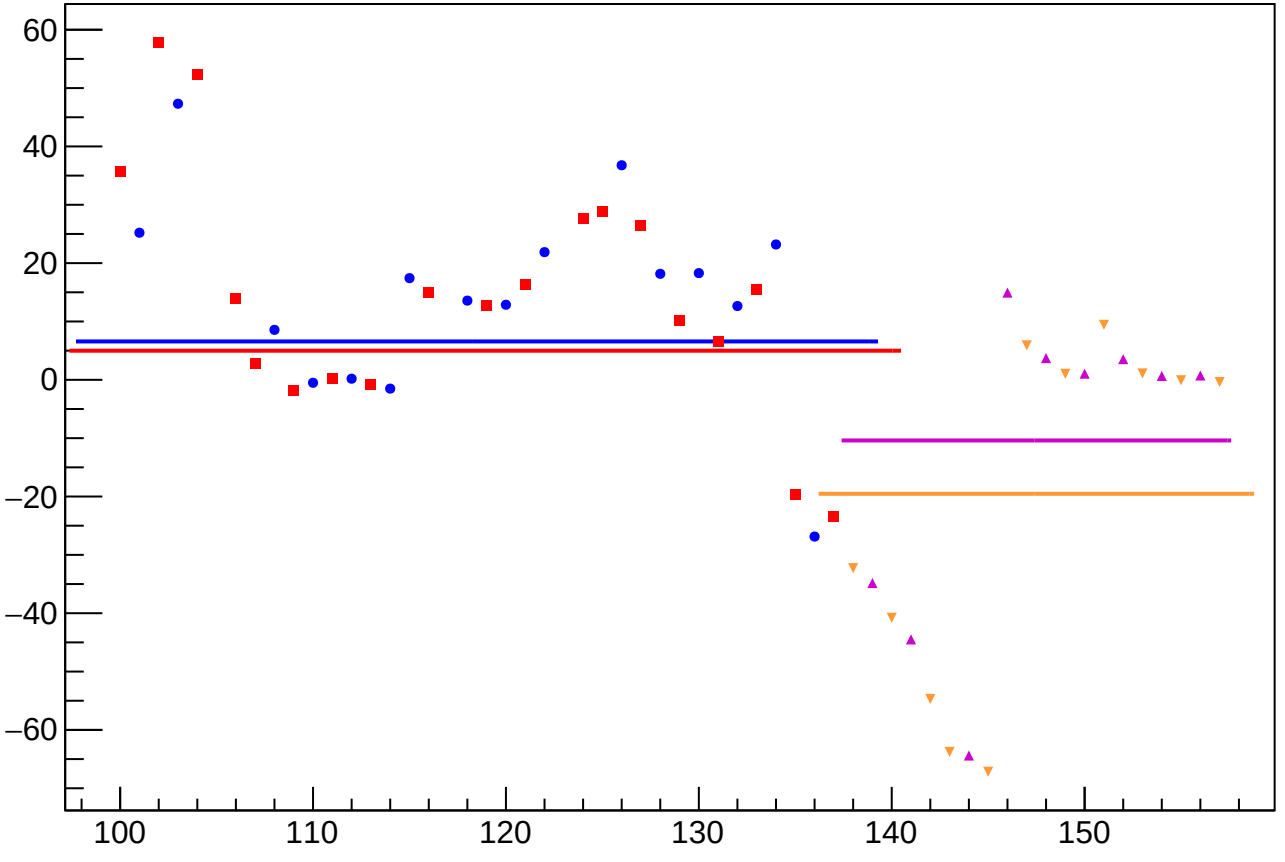
Left In: -0.409+/-0.051 χ^2/NDF:5562.0/8

+ sign 0.247+/-0.043 χ^2/NDF: 8657.6/26

All: 0.242+/-0.029 χ^2/NDF: 16133.6/54

- sign 0.239+/-0.039 χ^2/NDF: 7475.9/27

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -19.530+/-0.080 χ^2/NDF:100754.7/10

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

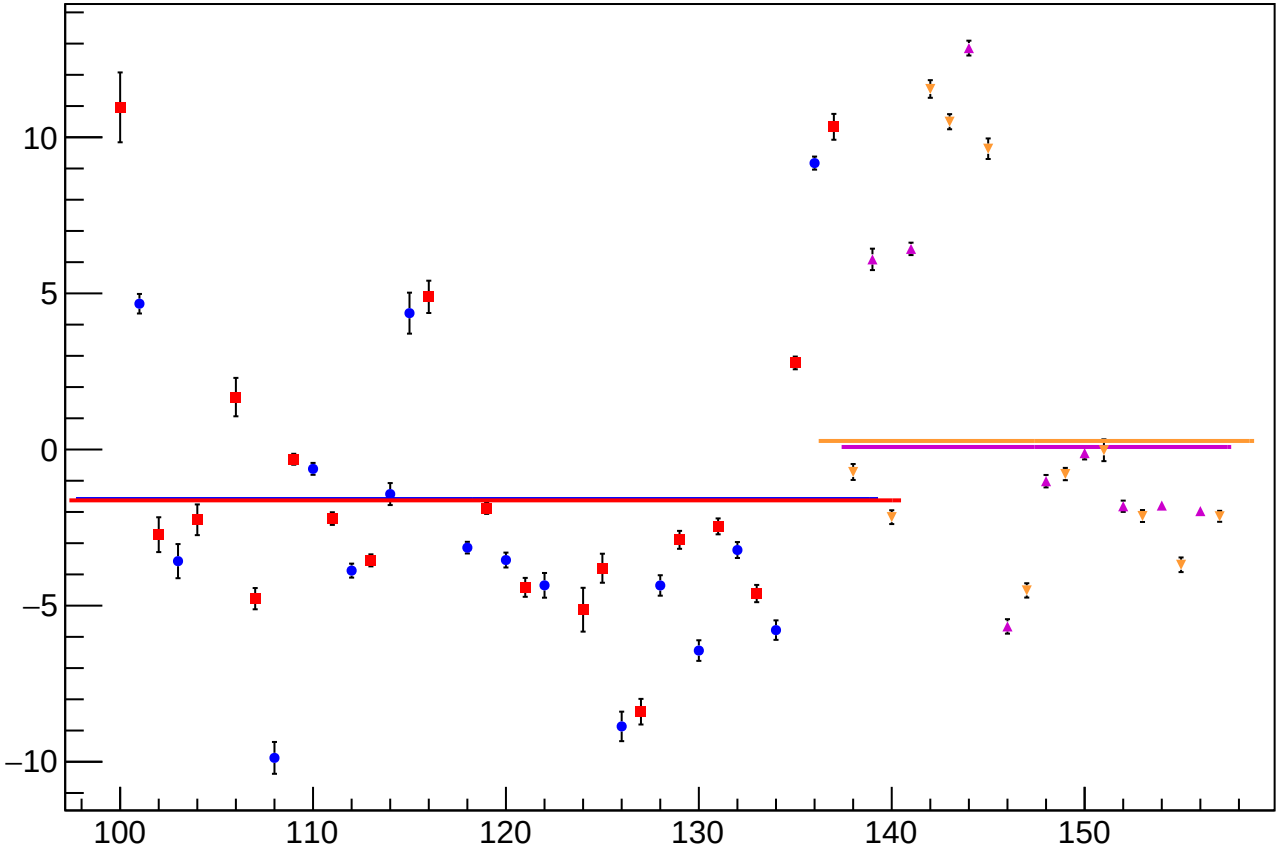
Left In: -10.392+/-0.071 χ^2/NDF:97309.6/8

\+ sign -4.043+/-0.051 χ^2/NDF: 233387.2/26

All: -2.631+/-0.034 χ^2/NDF: 433852.4/54

\- sign -1.490+/-0.046 χ^2/NDF: 199086.9/27

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.274+/-0.070 χ^2/NDF:5411.0/10

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

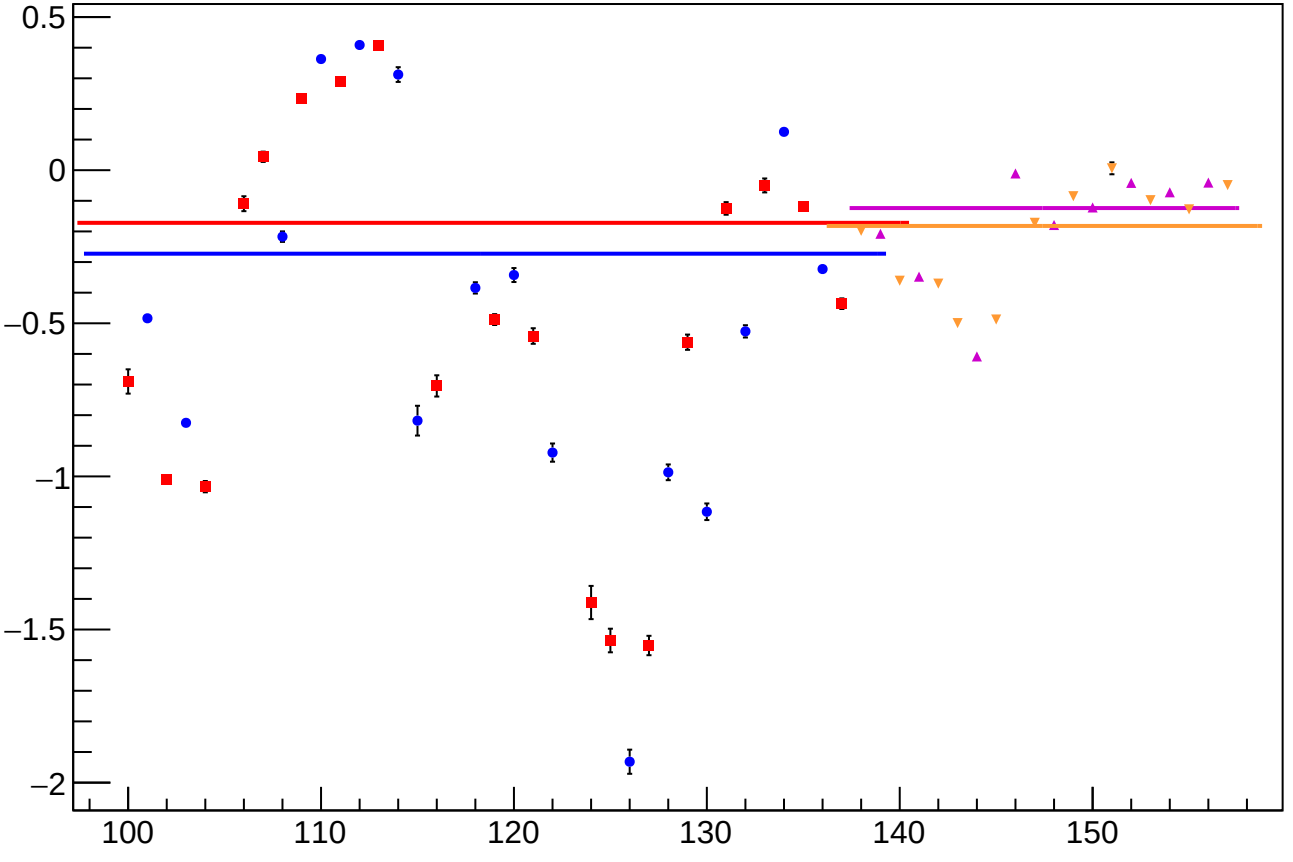
Left In: 0.081+/-0.061 χ^2/NDF:5436.2/8

+ sign -0.642+/-0.050 χ^2/NDF: 10233.7/26

All: -0.676+/-0.033 χ^2/NDF: 18457.9/54

- sign -0.703+/-0.045 χ^2/NDF: 8223.4/27

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.182+/-0.003 χ^2/NDF:2417.9/10

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

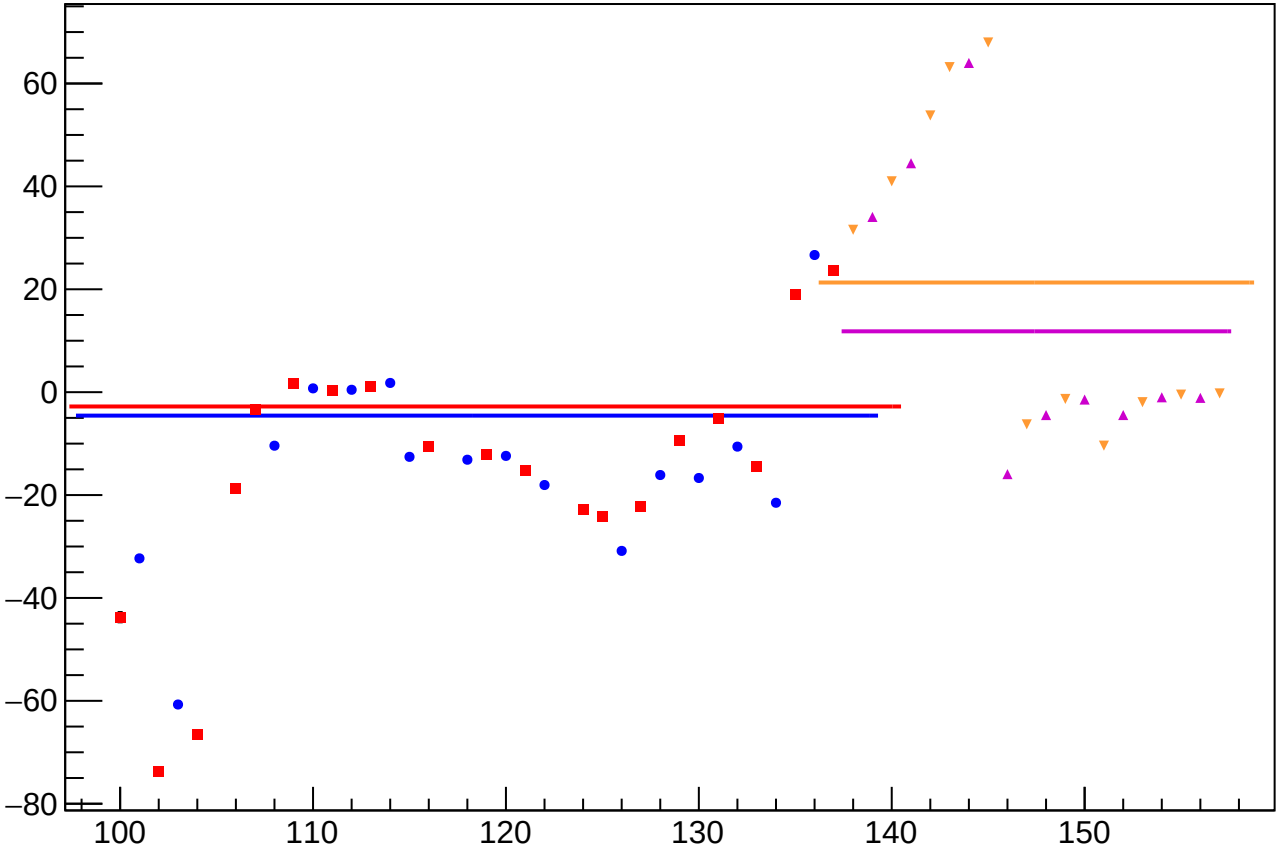
Left In: -0.124+/-0.003 χ^2/NDF:2740.4/8

+ sign -0.213+/-0.002 χ^2/NDF: 14579.3/26

All: -0.170+/-0.002 χ^2/NDF: 33280.2/54

- sign -0.138+/-0.002 χ^2/NDF: 18171.7/27

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 21.317+/-0.083 χ^2/NDF:97215.2/10

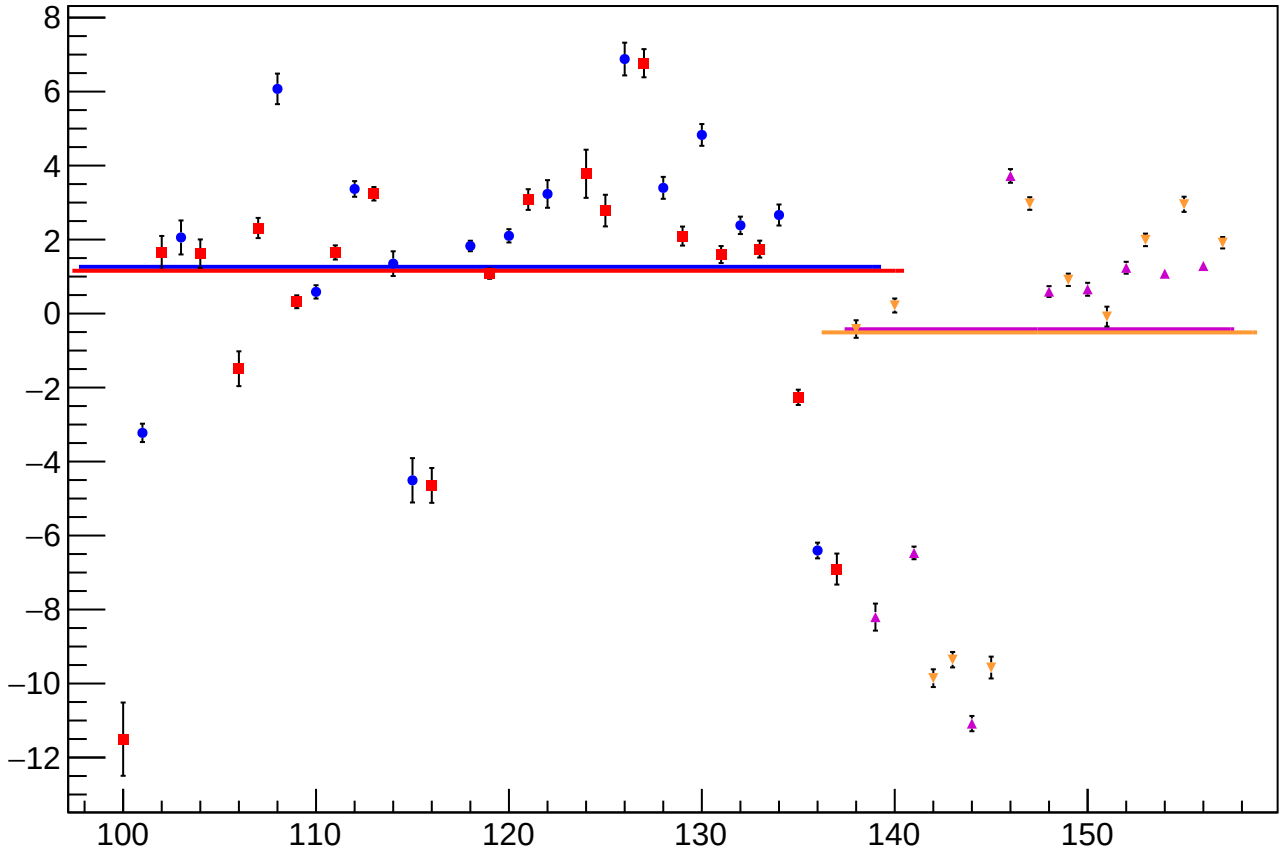
Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 11.828+/-0.075 χ^2/NDF:95057.0/8

+ sign 3.651+/-0.047 χ^2/NDF: 235673.1/26

All: 2.437+/-0.031 χ^2/NDF: 436514.9/54

- sign 1.522+/-0.041 χ^2/NDF: 199668.7/27



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.509+/-0.060 χ^2/NDF:5512.1/10

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

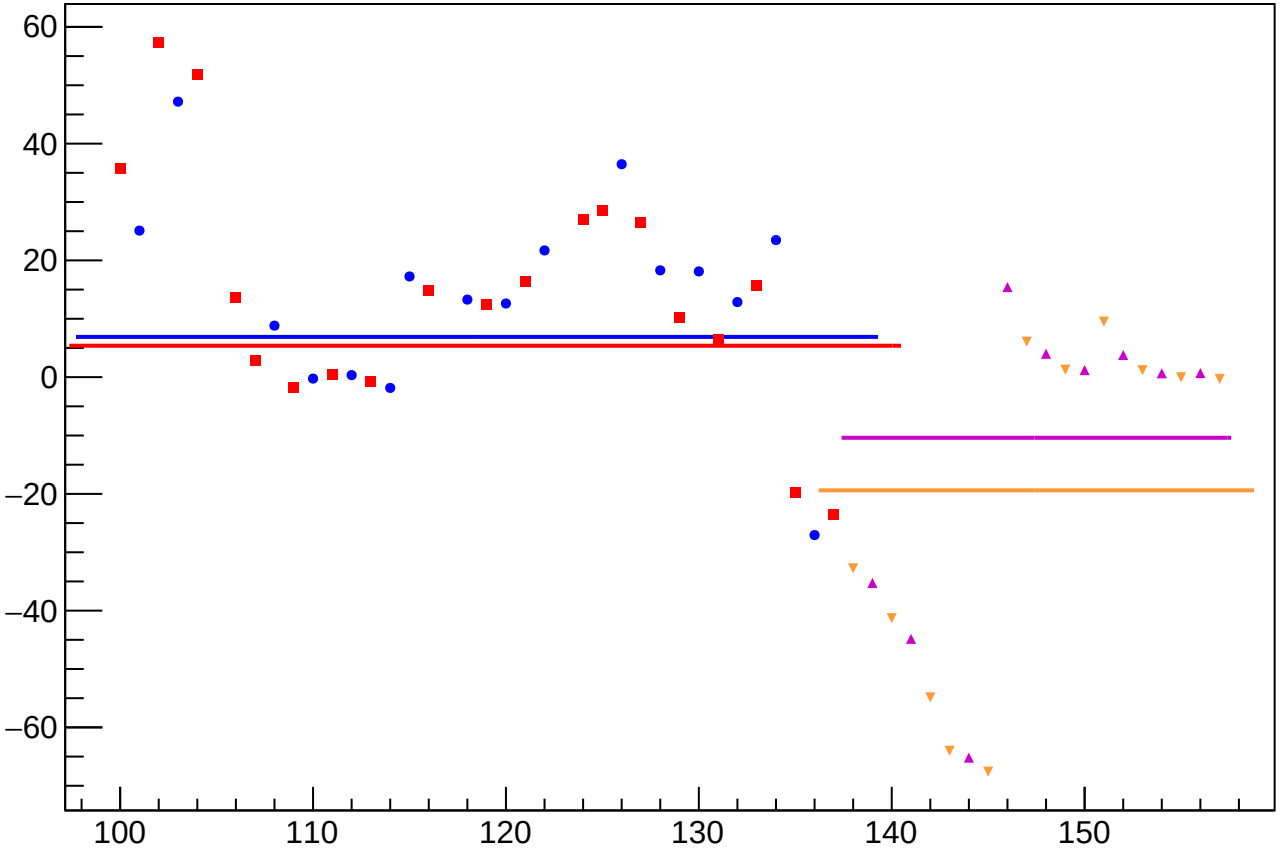
Left In: -0.425+/-0.052 χ^2/NDF:5449.4/8

+ sign 0.341+/-0.043 χ^2/NDF: 8380.7/26

All: 0.302+/-0.029 χ^2/NDF: 15723.9/54

- sign 0.270+/-0.039 χ^2/NDF: 7341.7/27

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -19.389+/-0.081 χ^2/NDF:99960.1/10

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

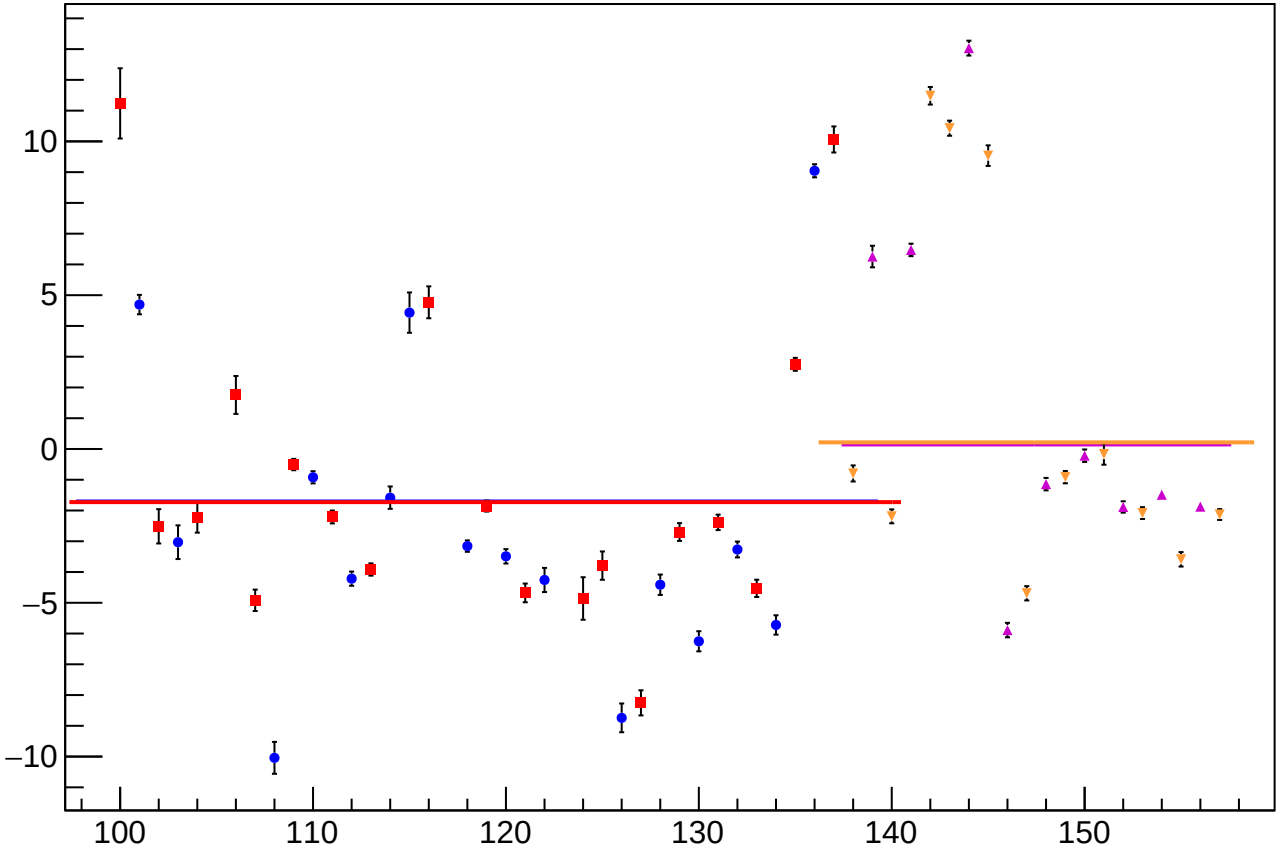
Left In: -10.387+/-0.072 χ^2/NDF:96238.9/8

\+ sign -3.816+/-0.052 χ^2/NDF: 230046.8/26

All: -2.426+/-0.035 χ^2/NDF: 427469.0/54

\- sign -1.291+/-0.047 χ^2/NDF: 196116.9/27

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 0.215+/-0.071 χ^2/NDF:5240.7/10

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

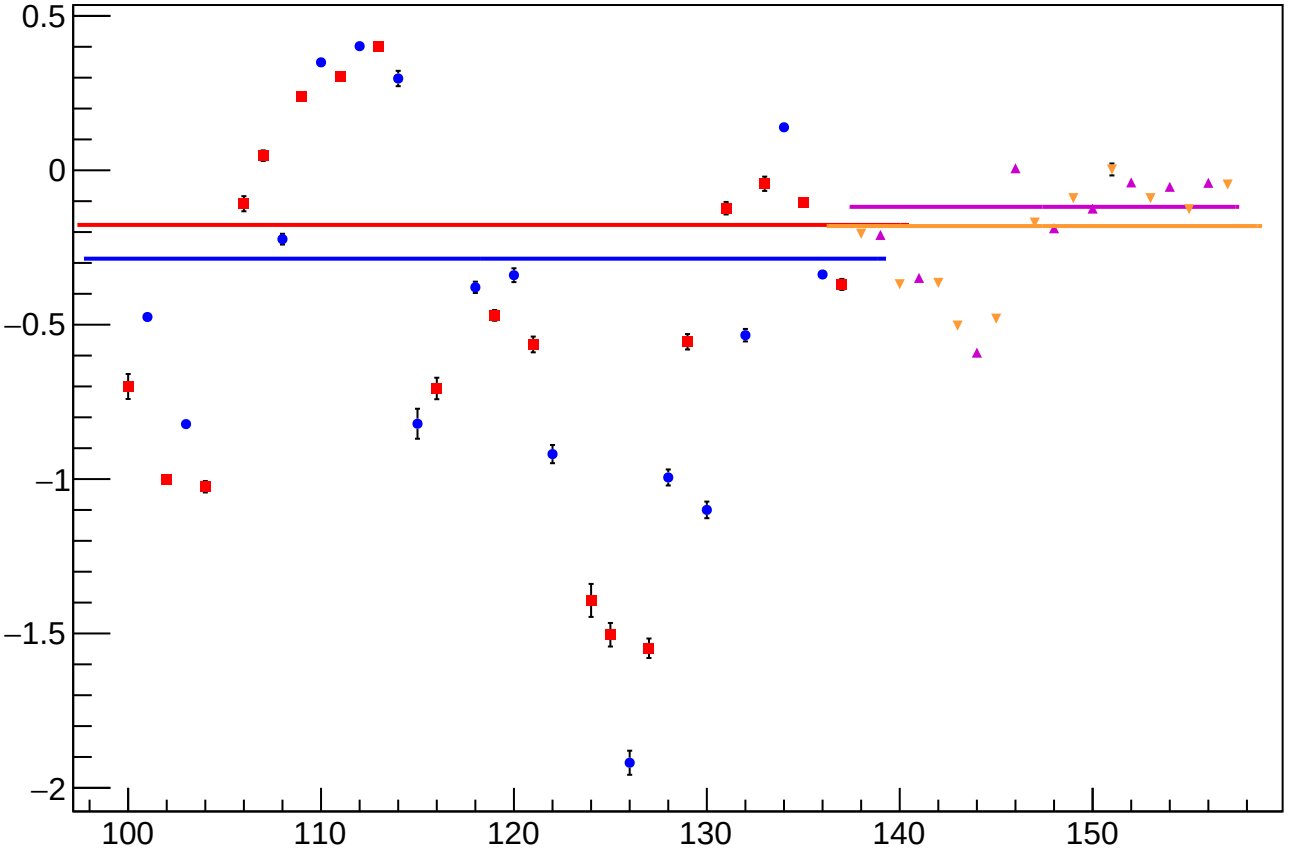
Left In: 0.147+/-0.062 χ^2/NDF:5327.3/8

+ sign -0.733+/-0.050 χ^2/NDF: 9896.3/26

All: -0.722+/-0.034 χ^2/NDF: 17958.4/54

- sign -0.714+/-0.045 χ^2/NDF: 8062.0/27

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.181+/-0.003 χ^2/NDF:2404.0/10

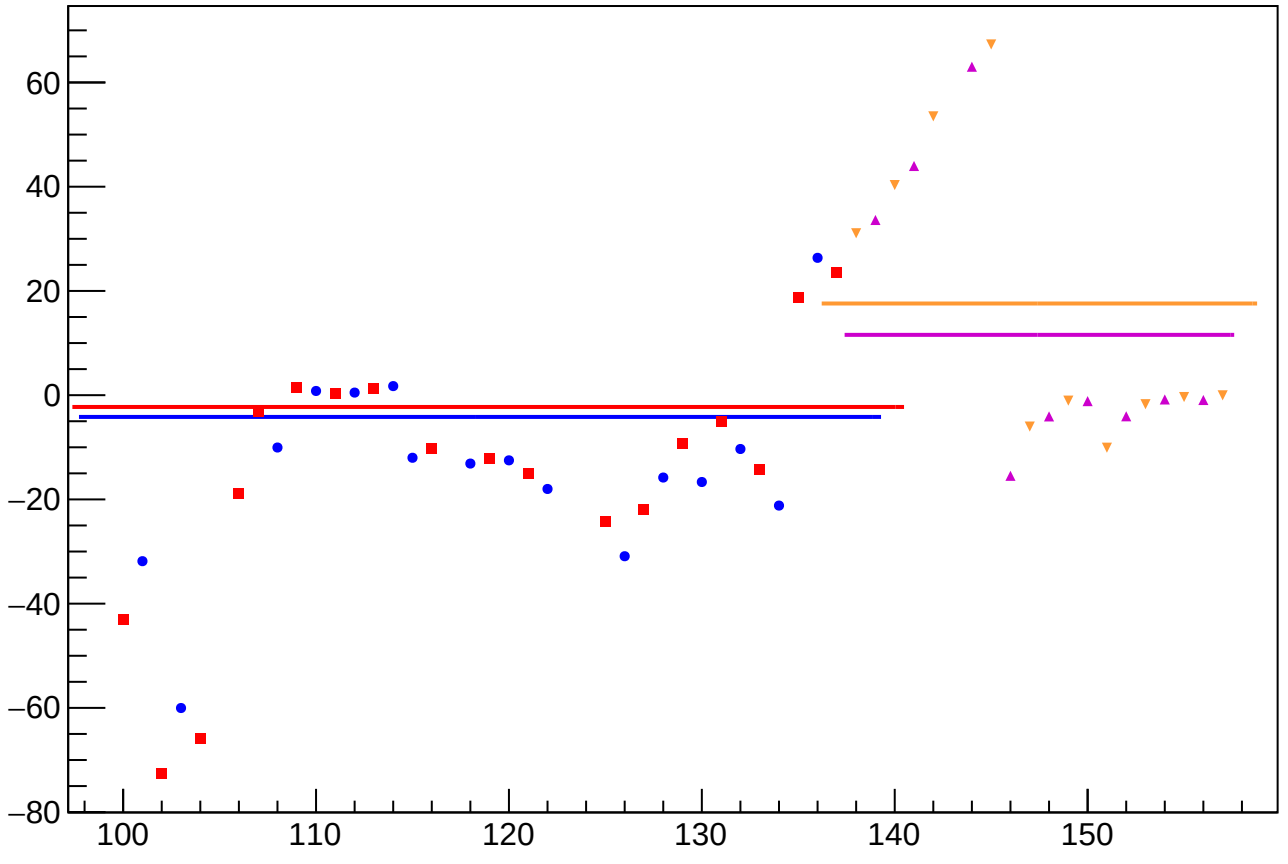
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.118+/-0.003 χ^2/NDF:2667.2/8

+ sign -0.216+/-0.002 χ^2/NDF: 14169.1/26

All: -0.170+/-0.002 χ^2/NDF: 32355.0/54

- sign -0.136+/-0.002 χ^2/NDF: 17589.3/27



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 17.589+/-0.085 χ^2/NDF:76218.9/9

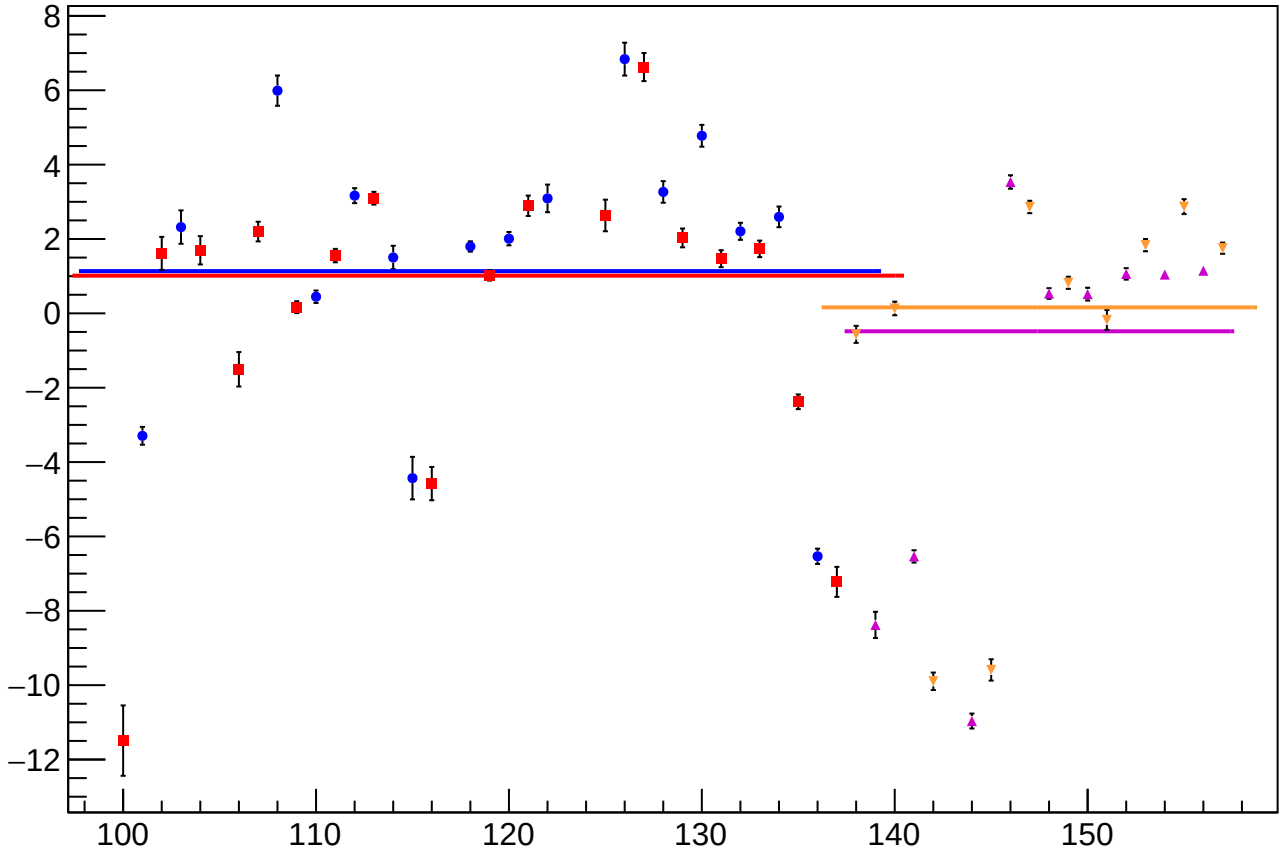
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 11.573+/-0.072 χ^2/NDF:98128.5/8

+ sign 2.207+/-0.046 χ^2/NDF: 198443.7/25

All: 1.946+/-0.030 χ^2/NDF: 402489.2/52

- sign 1.758+/-0.039 χ^2/NDF: 203989.6/26



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.161+/-0.061 χ^2/NDF:3679.5/9

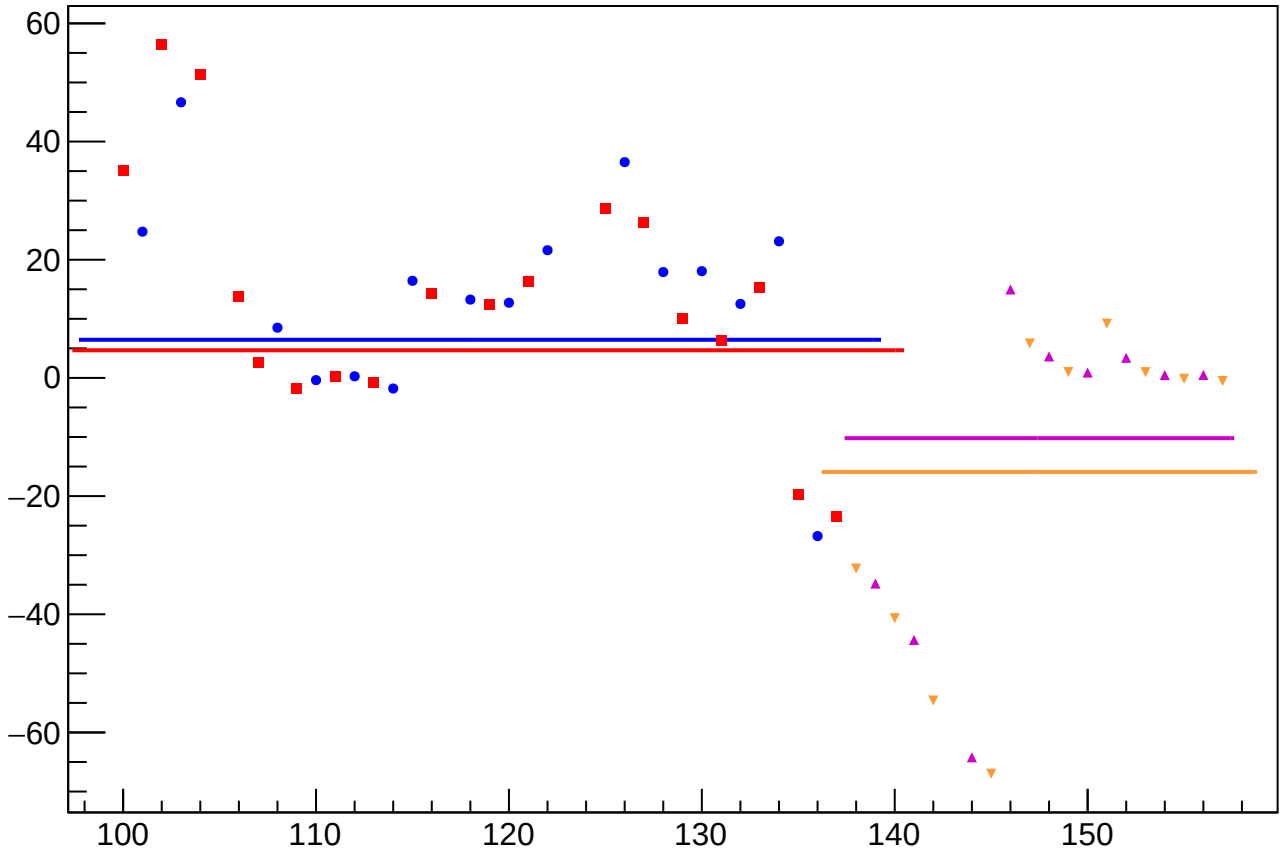
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.482+/-0.050 χ^2/NDF:5669.1/8

+ sign 0.651+/-0.043 χ^2/NDF: 6405.4/25

All: 0.379+/-0.028 χ^2/NDF: 14126.7/52

- sign 0.168+/-0.038 χ^2/NDF: 7649.2/26



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -15.906+/-0.082 χ^2/NDF:77672.6/9

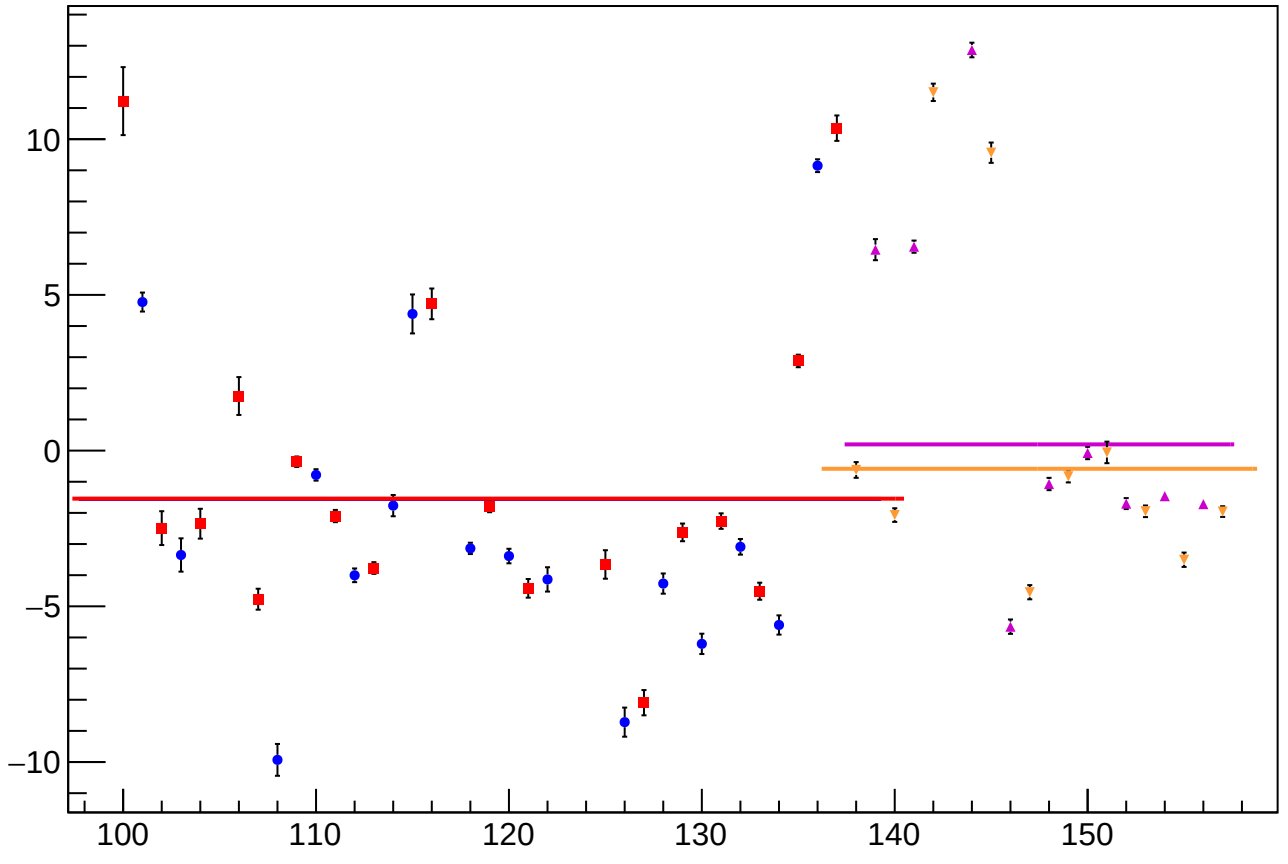
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -10.193+/-0.069 χ^2/NDF:99343.9/8

\+ sign -2.156+/-0.051 χ^2/NDF: 194115.3/25

All: -1.854+/-0.034 χ^2/NDF: 394751.3/52

\- sign -1.619+/-0.045 χ^2/NDF: 200573.5/26



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -0.583+/-0.072 χ^2/NDF:3474.8/9

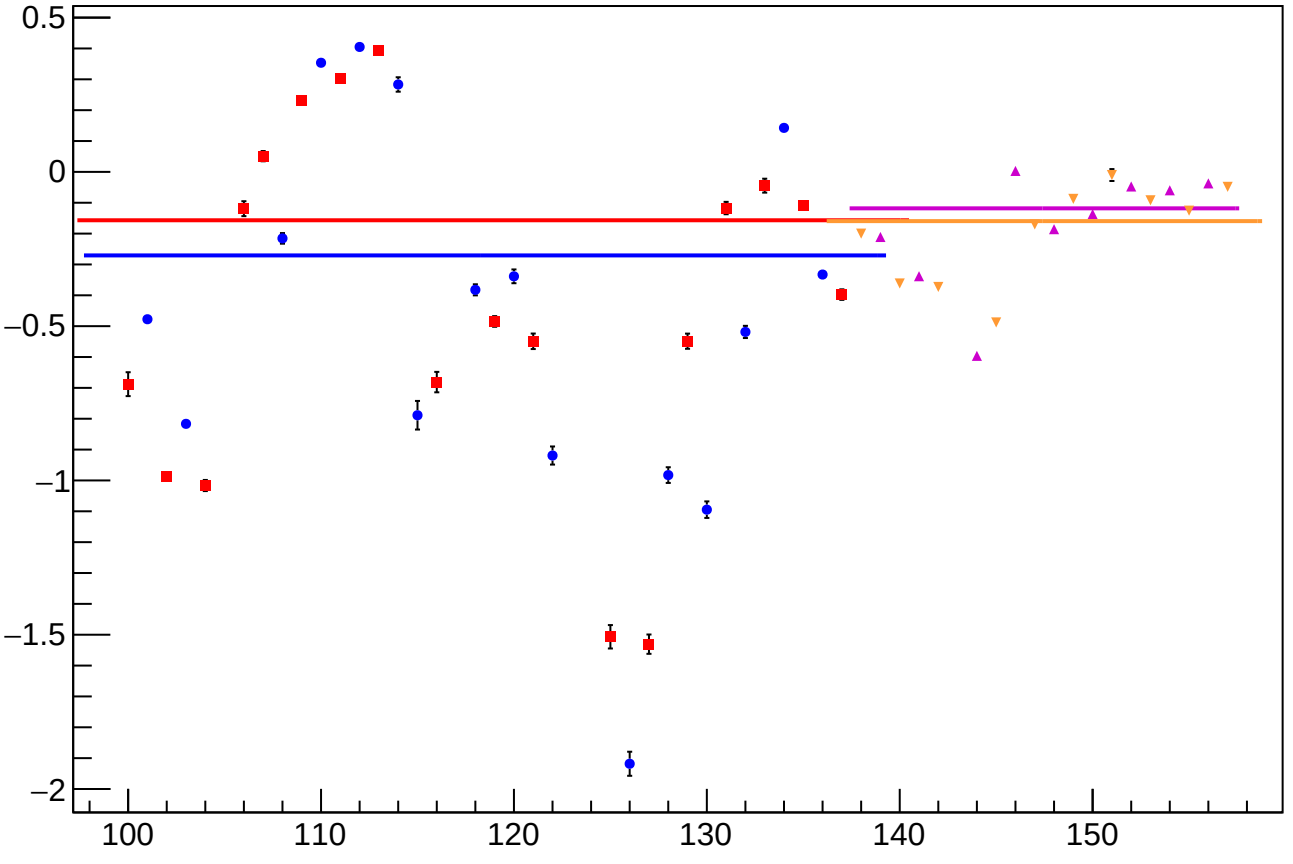
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 0.200+/-0.059 χ^2/NDF:5518.4/8

+ sign -1.085+/-0.050 χ^2/NDF: 8112.6/25

All: -0.806+/-0.033 χ^2/NDF: 16556.2/52

- sign -0.593+/-0.044 χ^2/NDF: 8388.5/26



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.160+/-0.003 χ^2/NDF:1725.9/9

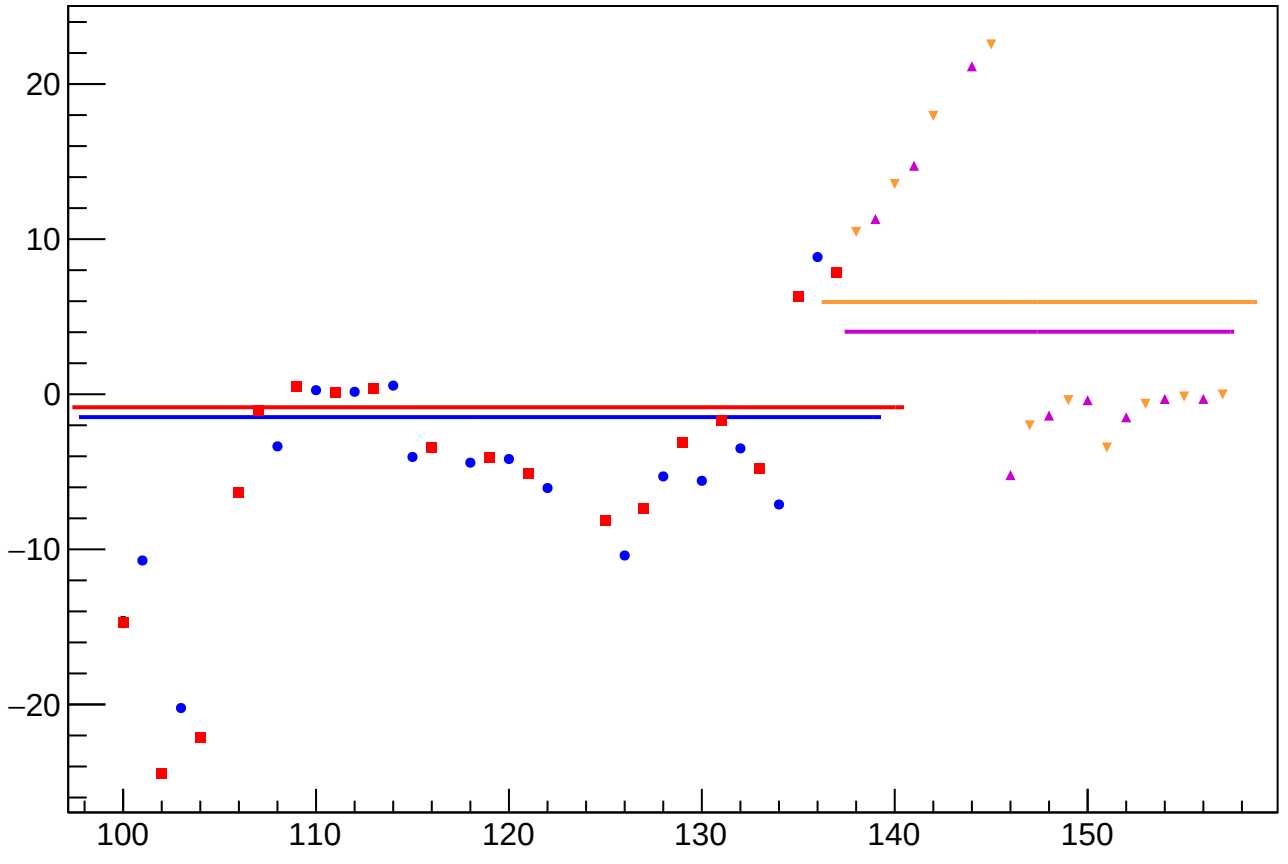
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.118+/-0.002 χ^2/NDF:2814.1/8

+ sign -0.199+/-0.002 χ^2/NDF: 14287.4/25

All: -0.158+/-0.002 χ^2/NDF: 32659.3/52

- sign -0.130+/-0.002 χ^2/NDF: 17906.2/26



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 5.949+/-0.029 χ^2/NDF:74816.9/9

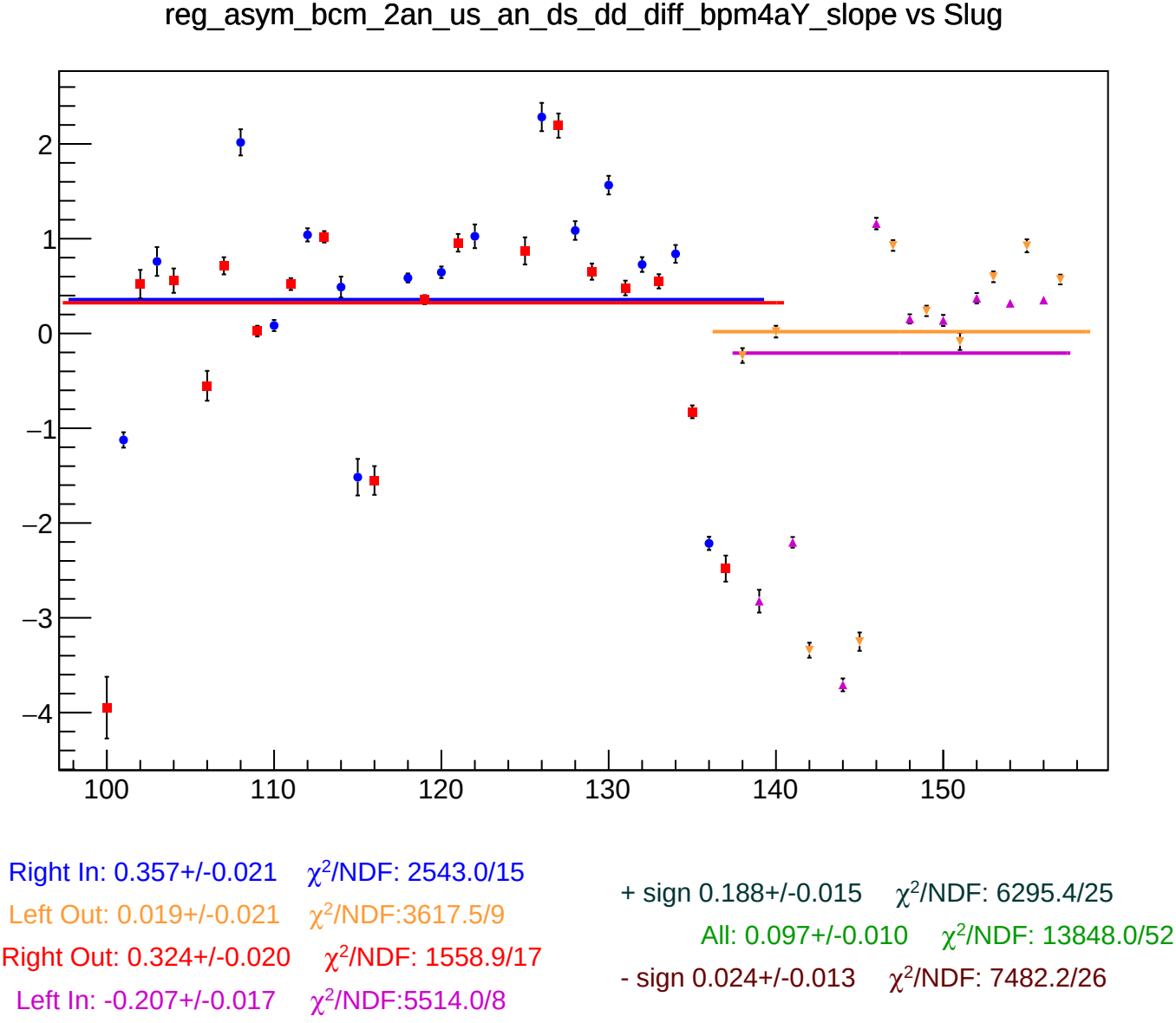
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

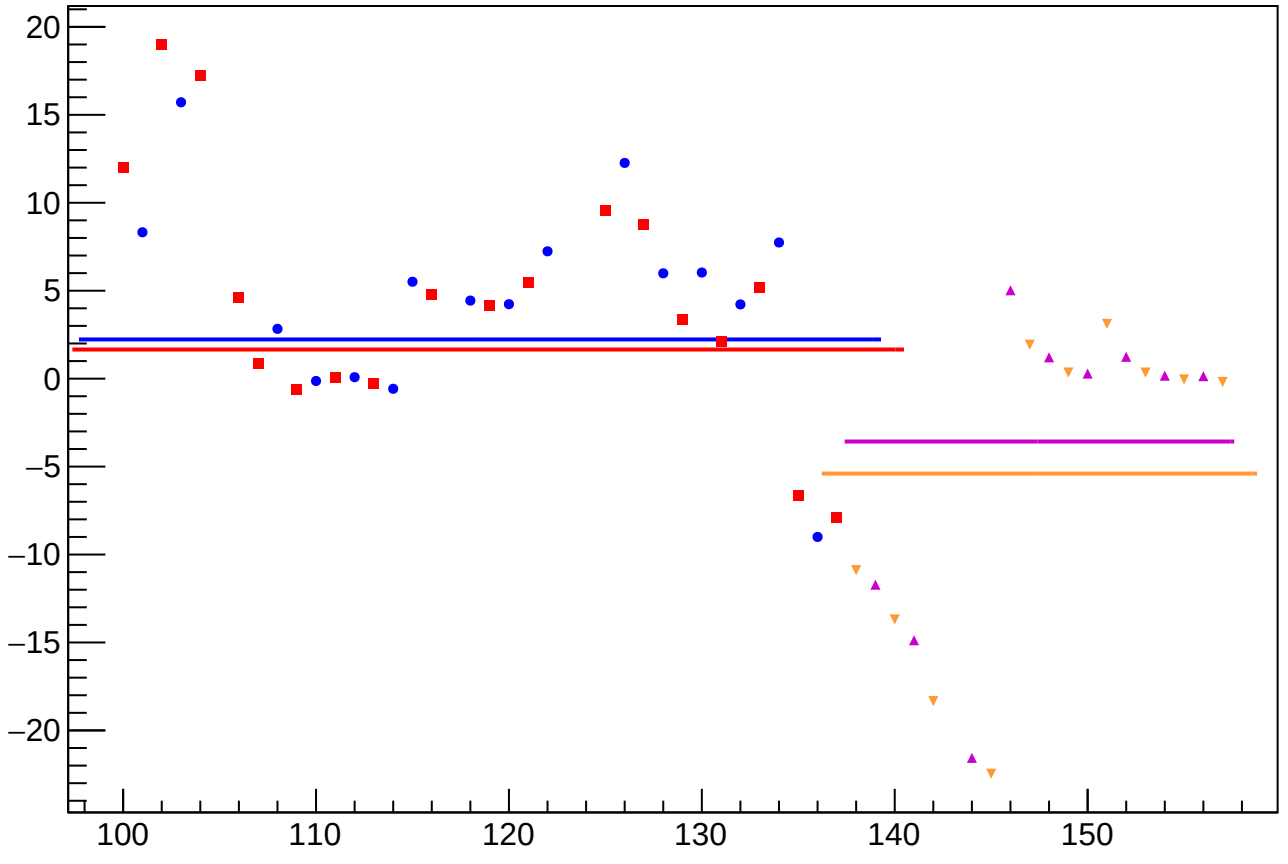
Left In: 4.033+/-0.025 χ^2/NDF:95309.1/8

+ sign 0.734+/-0.016 χ^2/NDF: 195212.5/25

All: 0.653+/-0.010 χ^2/NDF: 395722.3/52

- sign 0.593+/-0.013 χ^2/NDF: 200463.8/26


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.019+/-0.021 χ²/NDF:3617.5/9
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.207+/-0.017 χ²/NDF:5514.0/8
+ sign 0.188+/-0.015 χ²/NDF: 6295.4/25
All: 0.097+/-0.010 χ²/NDF: 13848.0/52
- sign 0.024+/-0.013 χ²/NDF: 7482.2/26



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -5.396+/-0.028 χ^2/NDF:76273.0/9

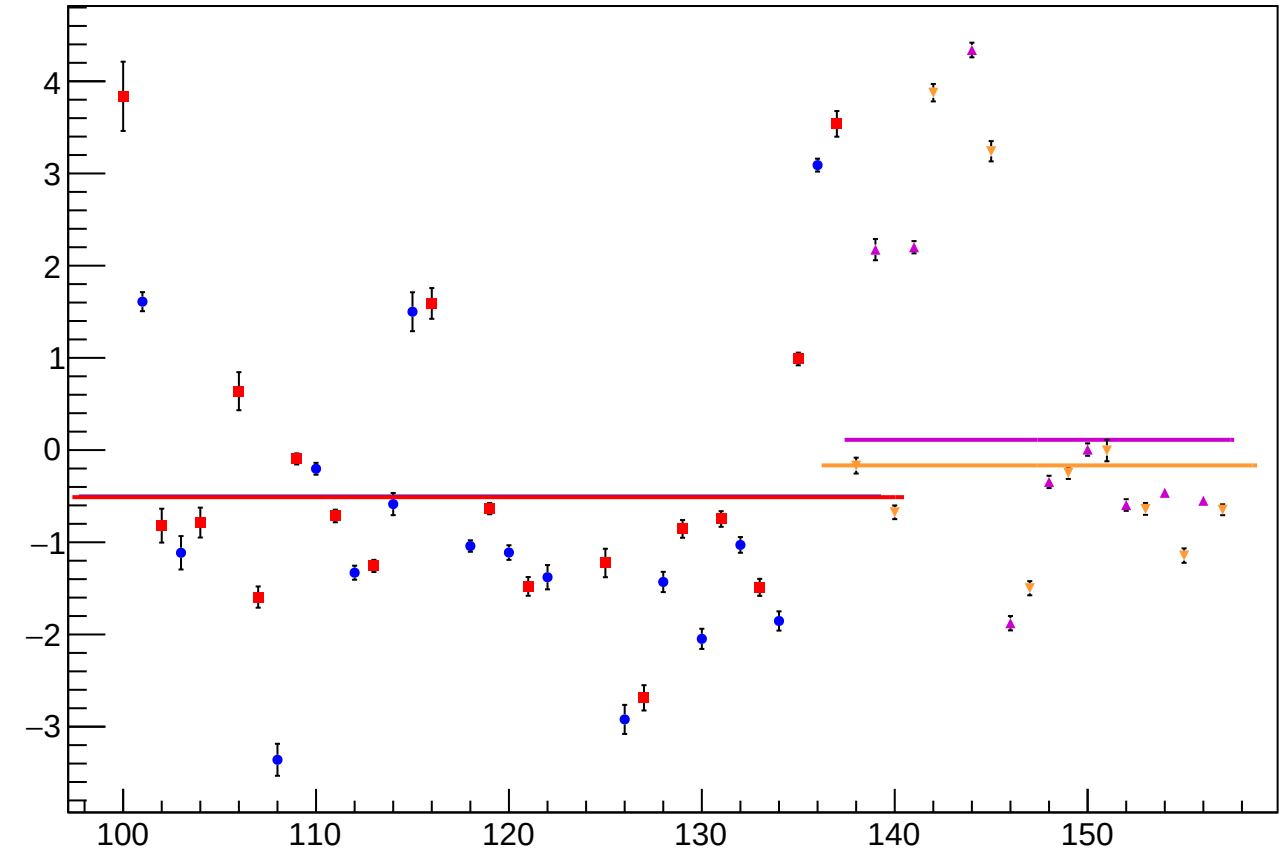
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -3.574+/-0.024 χ^2/NDF:96654.5/8

+ sign -0.728+/-0.017 χ^2/NDF: 190966.8/25

All: -0.634+/-0.012 χ^2/NDF: 388199.1/52

- sign -0.560+/-0.016 χ^2/NDF: 197180.5/26



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.166+/-0.024 χ^2/NDF:3419.6/9

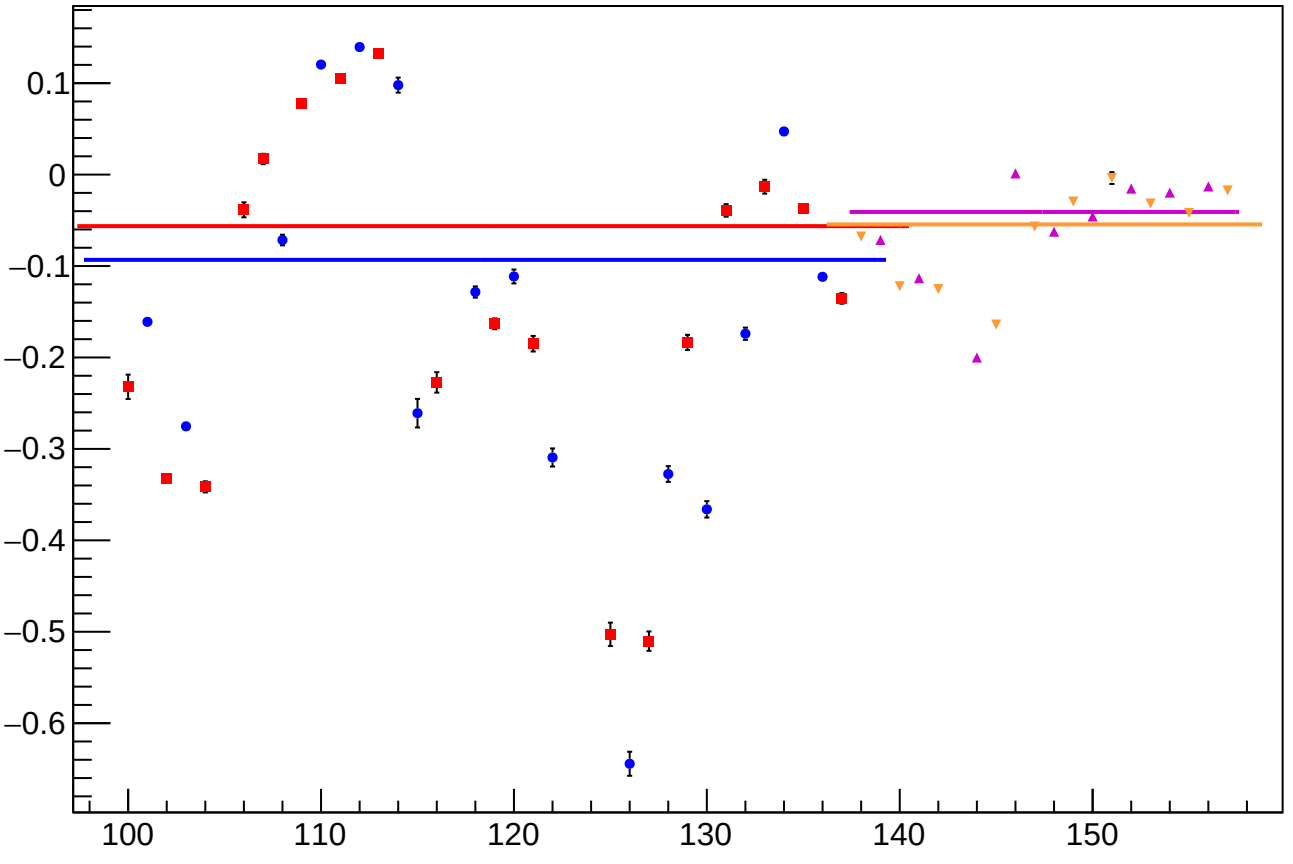
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.111+/-0.020 χ^2/NDF:5376.0/8

+ sign -0.340+/-0.017 χ^2/NDF: 7965.0/25

All: -0.246+/-0.011 χ^2/NDF: 16243.4/52

- sign -0.173+/-0.015 χ^2/NDF: 8224.1/26



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.054+/-0.001 χ^2/NDF:1680.3/9

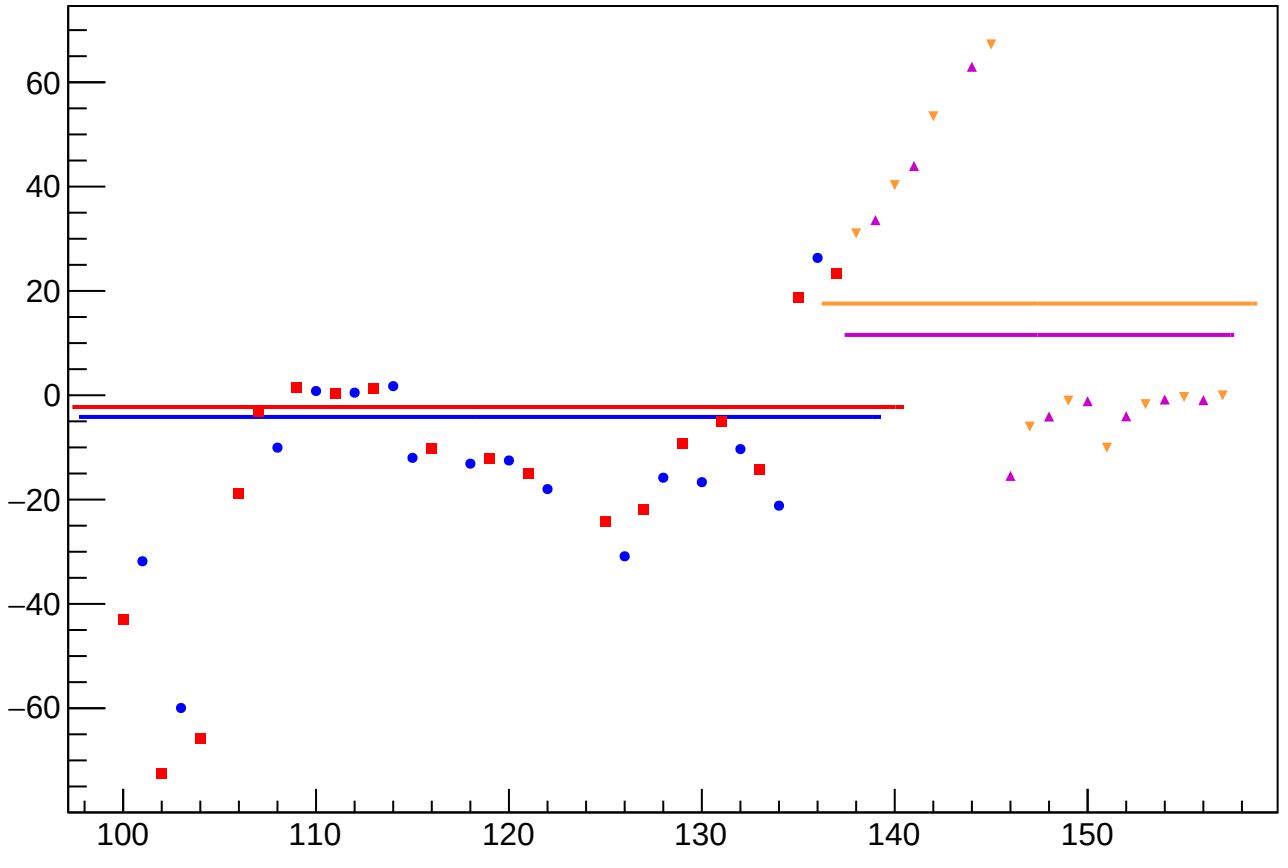
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.041+/-0.001 χ^2/NDF:2731.0/8

+ sign -0.068+/-0.001 χ^2/NDF: 13908.5/25

All: -0.055+/-0.001 χ^2/NDF: 31619.2/52

- sign -0.045+/-0.001 χ^2/NDF: 17287.4/26



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 17.577+/-0.084 χ^2/NDF:76206.2/9

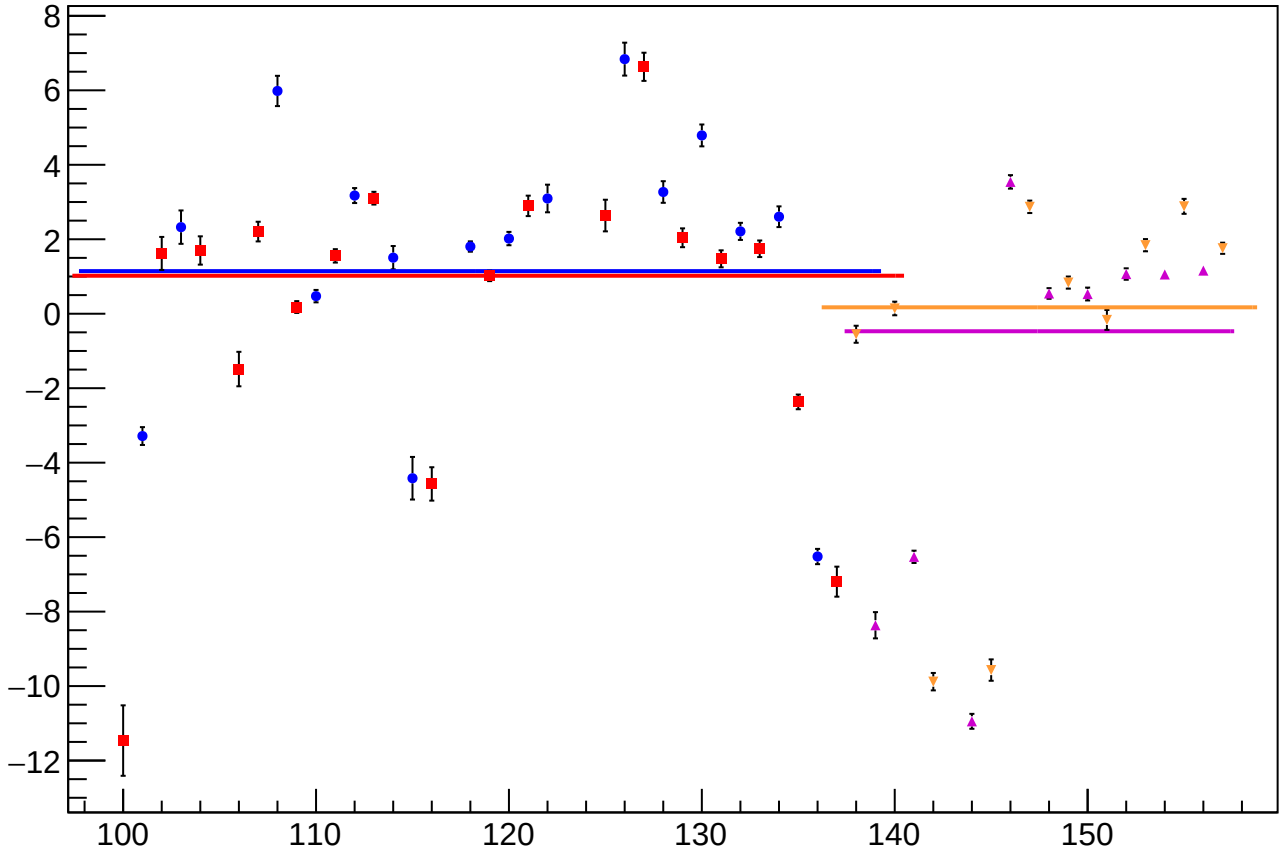
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 11.563+/-0.072 χ^2/NDF:98147.2/8

+ sign 2.209+/-0.046 χ^2/NDF: 198439.7/25

All: 1.947+/-0.030 χ^2/NDF: 402501.6/52

- sign 1.759+/-0.039 χ^2/NDF: 204005.5/26



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.172+/-0.061 χ^2/NDF:3680.4/9

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

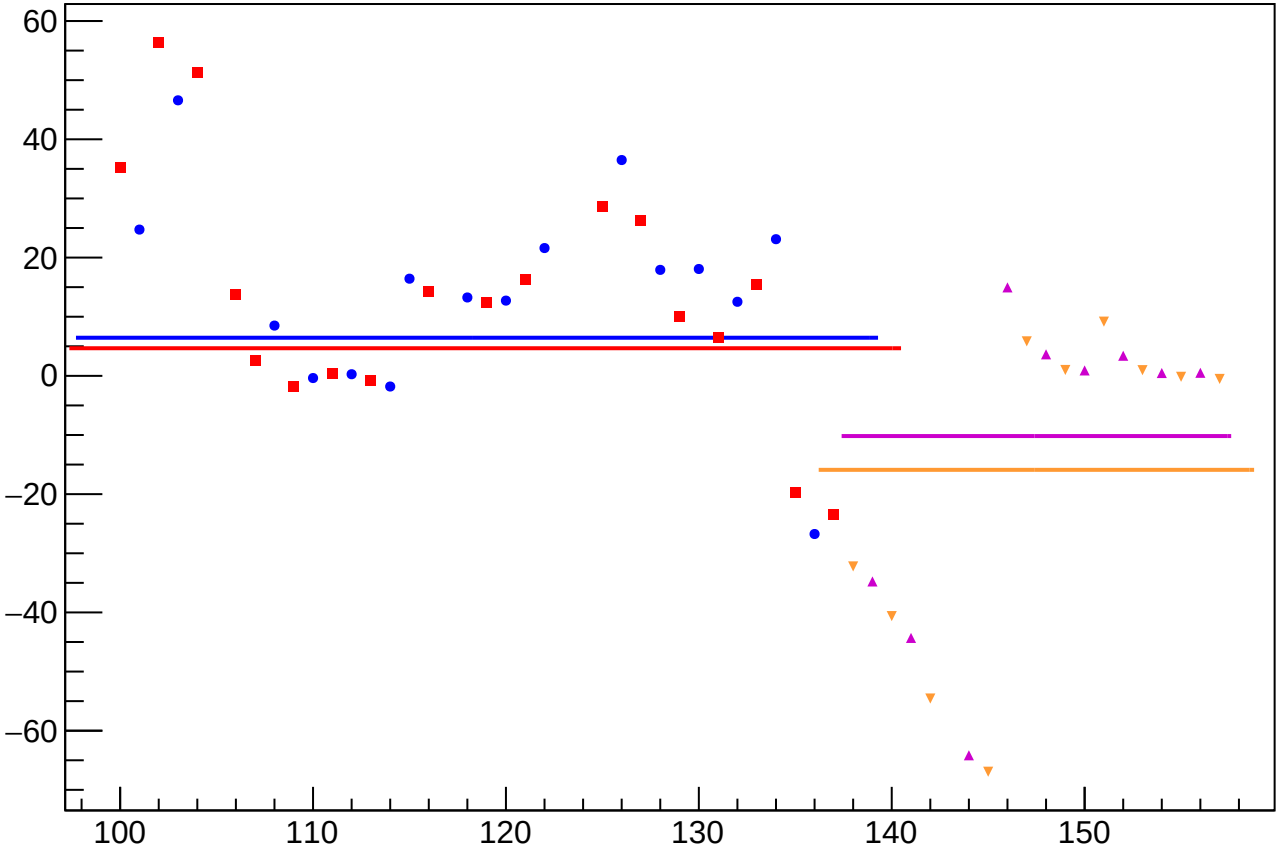
Left In: -0.471+/-0.050 χ^2/NDF:5673.9/8

+ sign 0.661+/-0.043 χ^2/NDF: 6405.5/25

All: 0.389+/-0.028 χ^2/NDF: 14128.5/52

- sign 0.177+/-0.038 χ^2/NDF: 7650.5/26

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -15.891+/-0.082 χ^2/NDF:77658.6/9

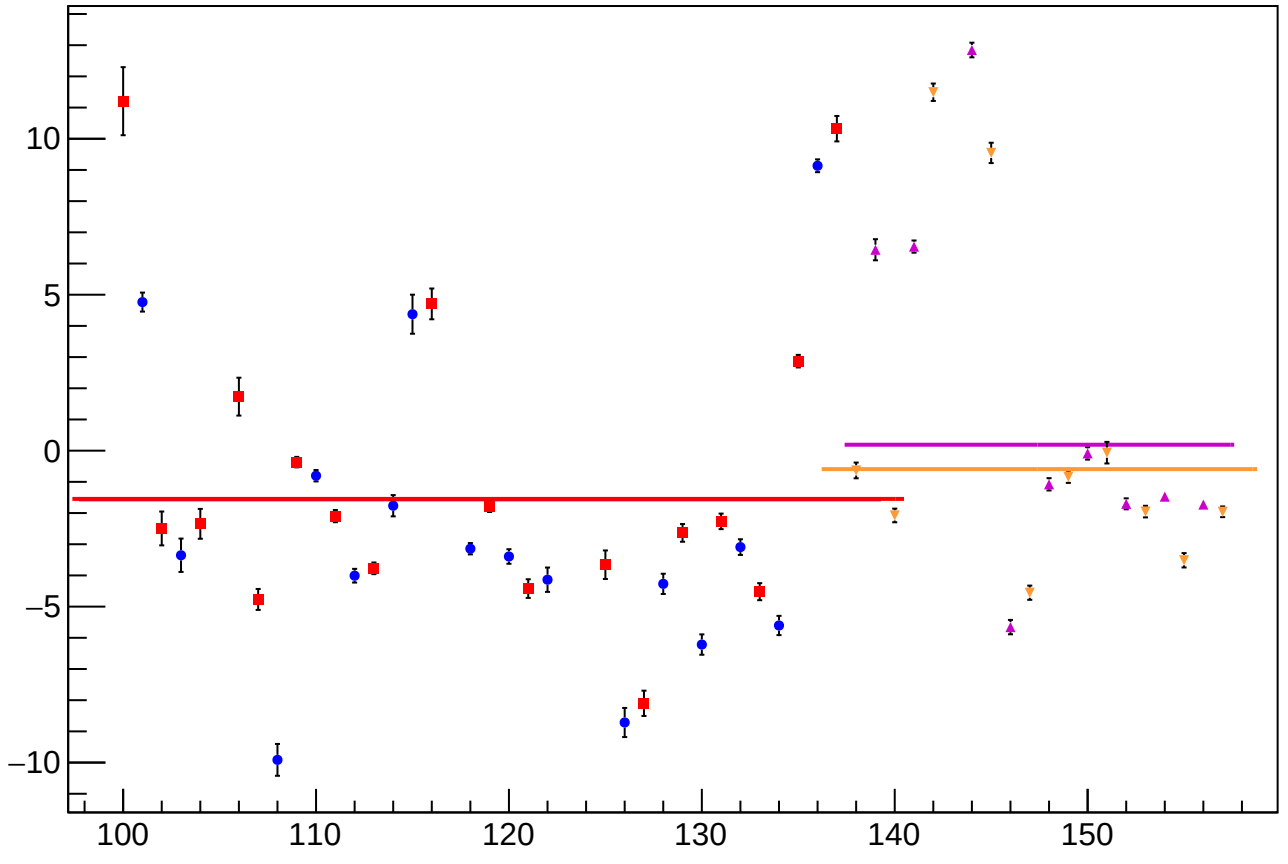
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -10.178+/-0.069 χ^2/NDF:99360.1/8

\+ sign -2.153+/-0.051 χ^2/NDF: 194107.0/25

All: -1.849+/-0.034 χ^2/NDF: 394750.5/52

\- sign -1.614+/-0.045 χ^2/NDF: 200580.3/26



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -0.592+/-0.072 χ^2/NDF:3475.3/9

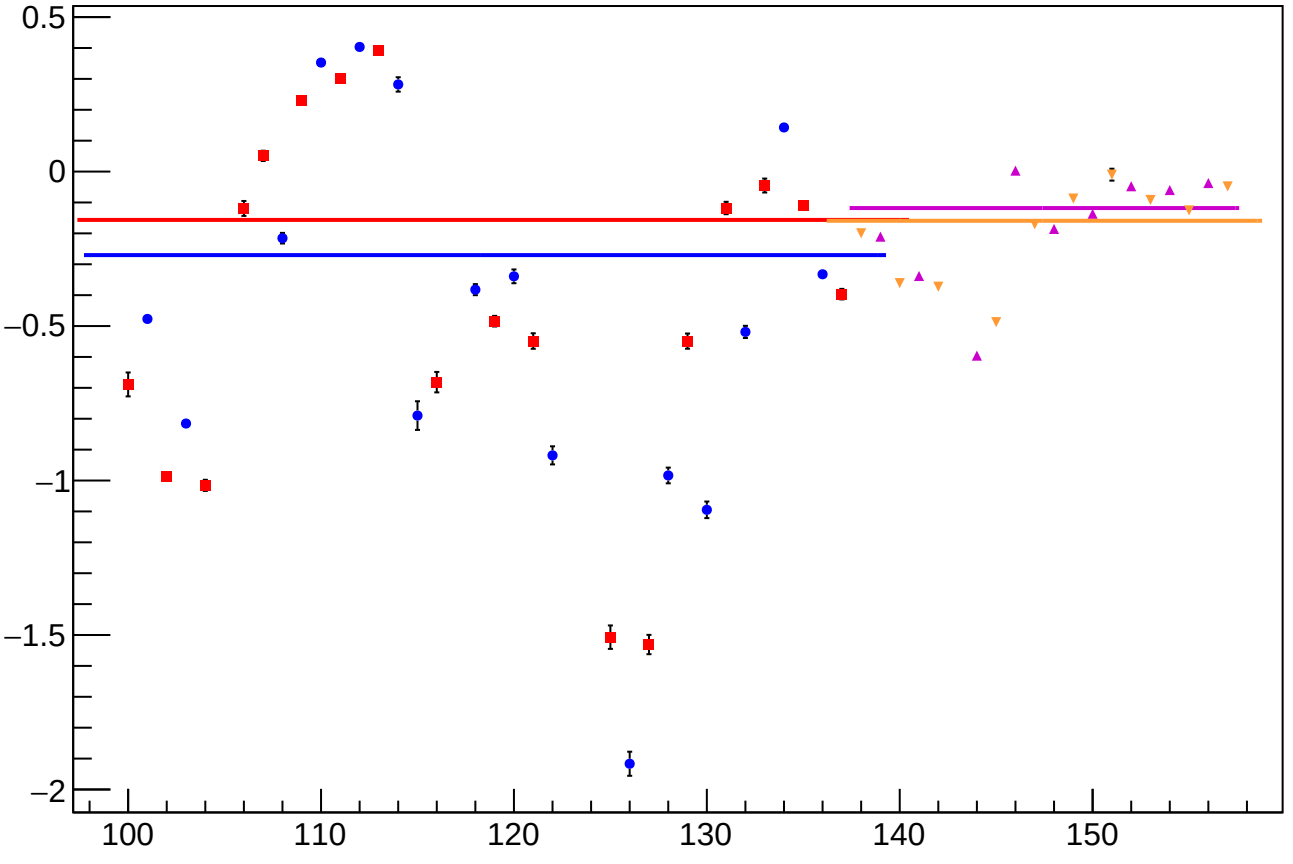
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 0.190+/-0.059 χ^2/NDF:5522.2/8

+ sign -1.092+/-0.050 χ^2/NDF: 8112.4/25

All: -0.813+/-0.033 χ^2/NDF: 16555.4/52

- sign -0.600+/-0.043 χ^2/NDF: 8387.6/26



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.159+/-0.003 χ^2/NDF:1727.3/9

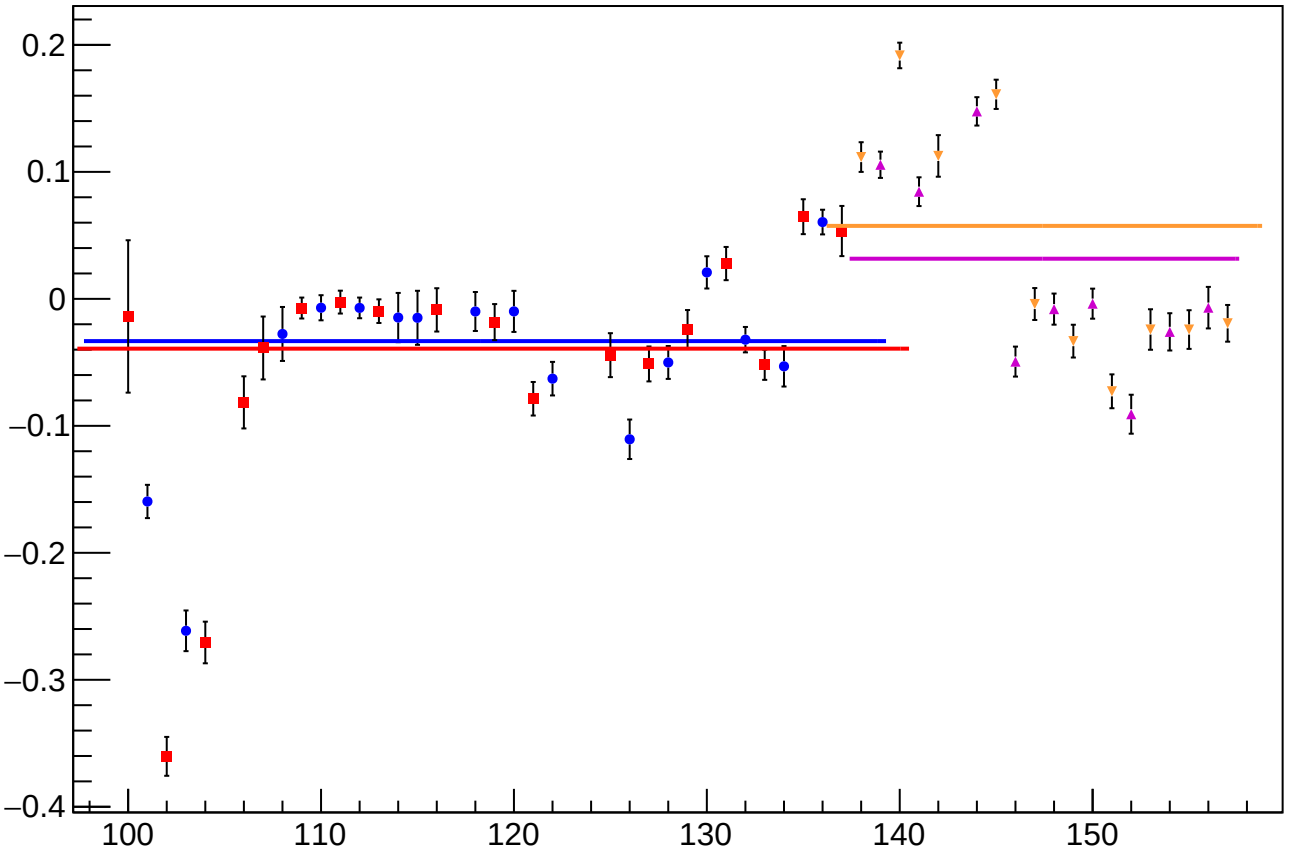
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.118+/-0.002 χ^2/NDF:2814.1/8

+ sign -0.199+/-0.002 χ^2/NDF: 14290.1/25

All: -0.158+/-0.002 χ^2/NDF: 32671.2/52

- sign -0.129+/-0.002 χ^2/NDF: 17916.4/26



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.057+/-0.004 χ^2/NDF:543.4/9

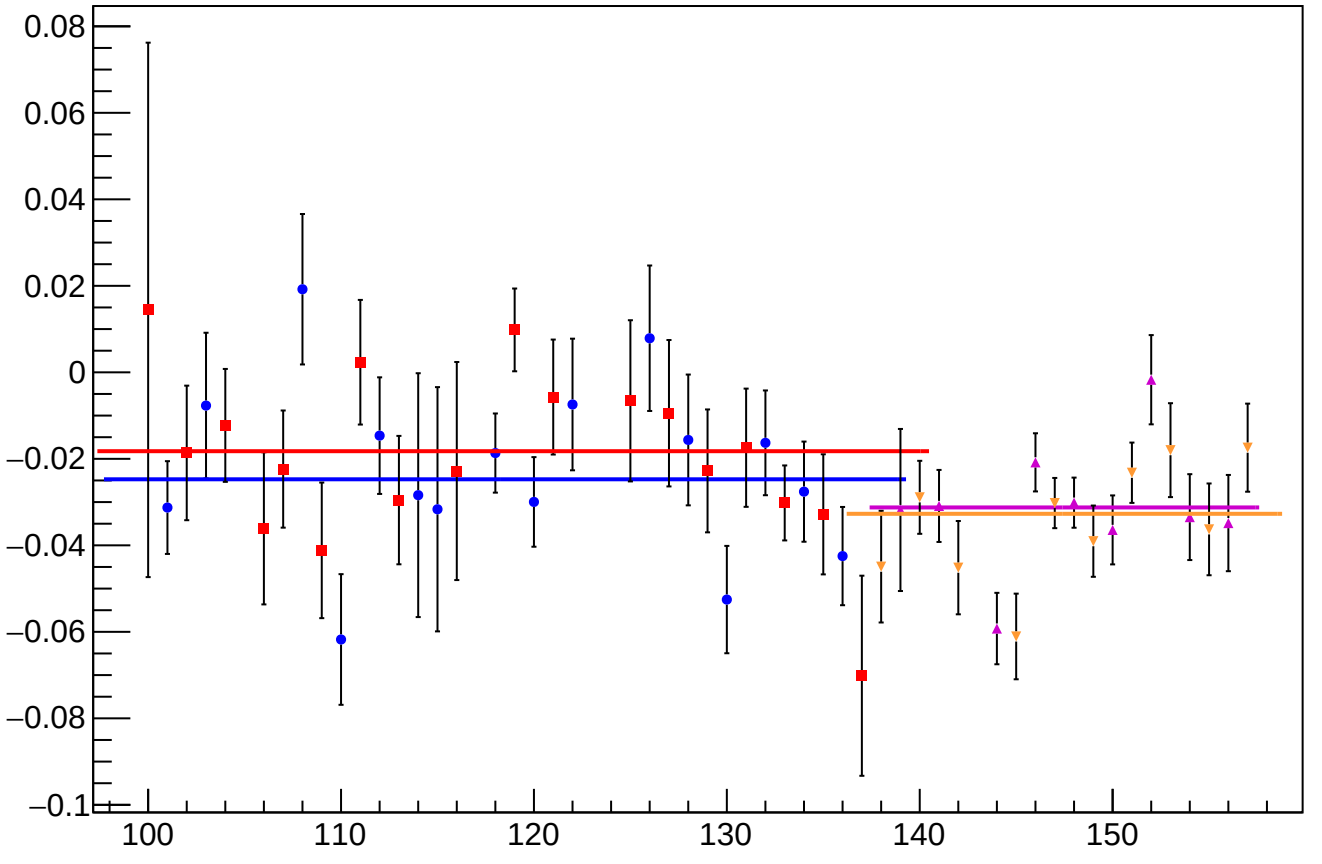
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.032+/-0.004 χ^2/NDF:331.8/8

+ sign 0.001+/-0.003 χ^2/NDF: 1310.0/25

All: -0.006+/-0.002 χ^2/NDF: 2649.7/52

- sign -0.013+/-0.003 χ^2/NDF: 1324.2/26



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.033+/-0.003 χ^2/NDF:17.5/9

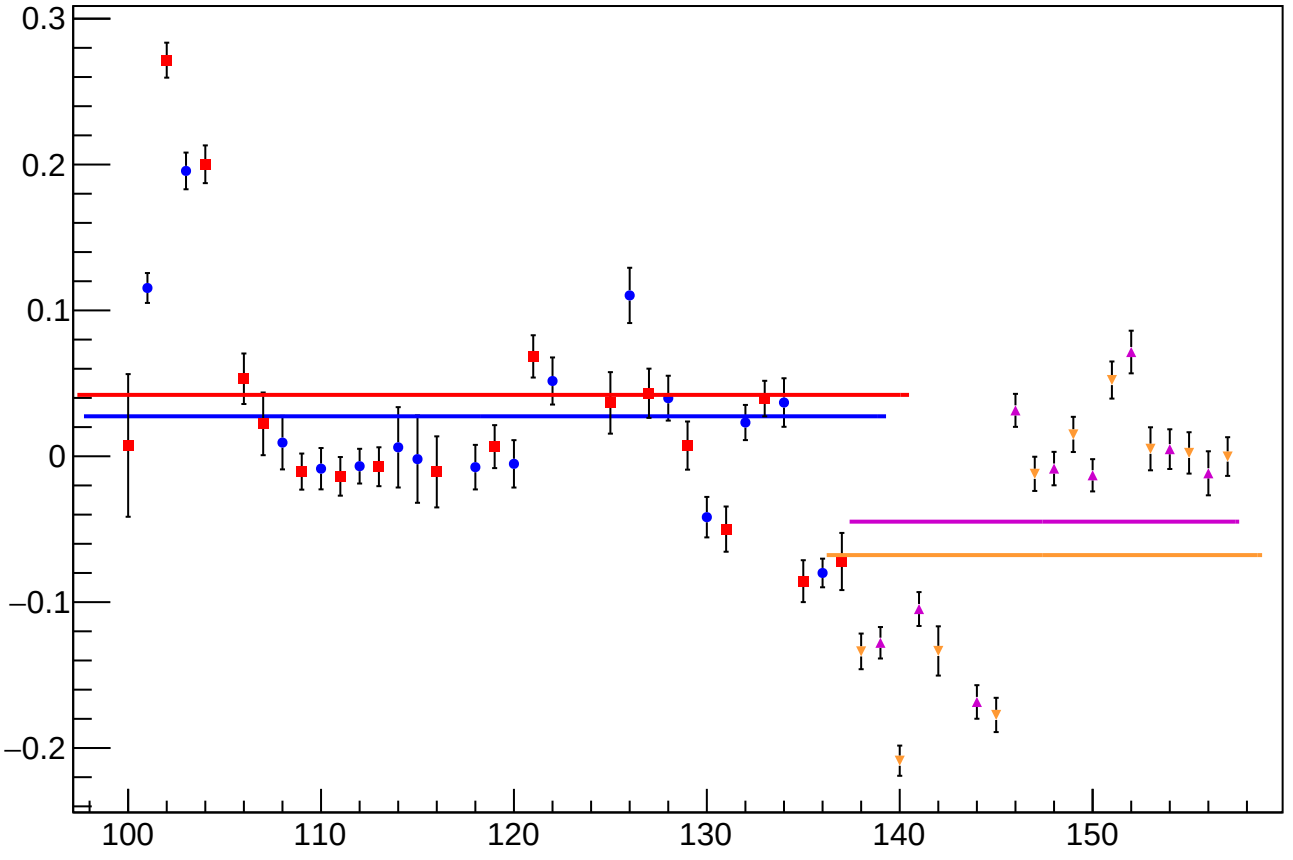
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.7/8

+ sign -0.029+/-0.002 χ^2/NDF: 49.4/25

All: -0.028+/-0.002 χ^2/NDF: 106.9/52

- sign -0.026+/-0.002 χ^2/NDF: 56.2/26



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.068+/-0.004 χ^2/NDF:550.0/9

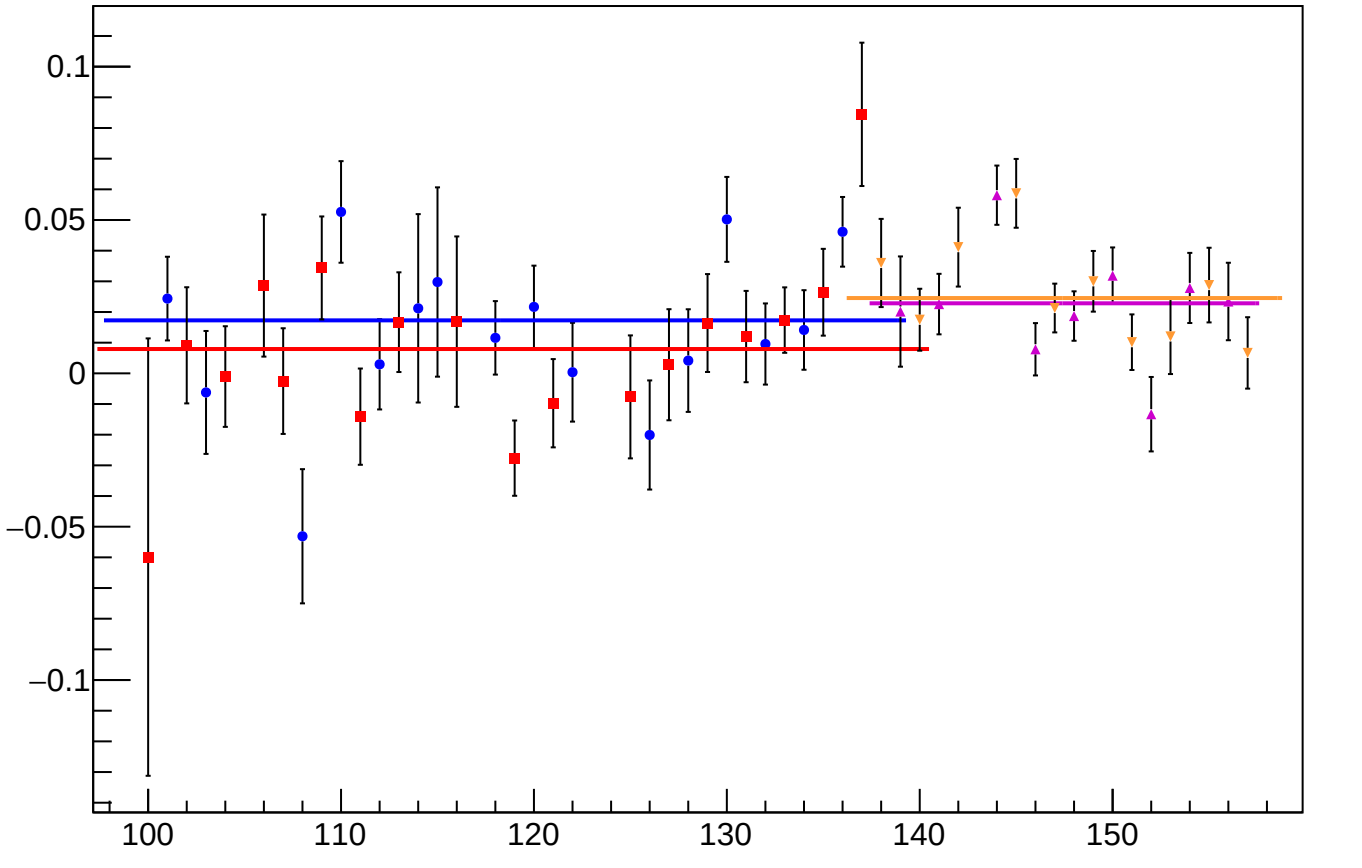
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.045+/-0.004 χ^2/NDF:346.5/8

\+ sign -0.015+/-0.003 χ^2/NDF: 1310.3/25

All: -0.006+/-0.002 χ^2/NDF: 2668.4/52

\- sign 0.003+/-0.003 χ^2/NDF: 1336.1/26



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.025+/-0.003 χ^2/NDF:18.6/9

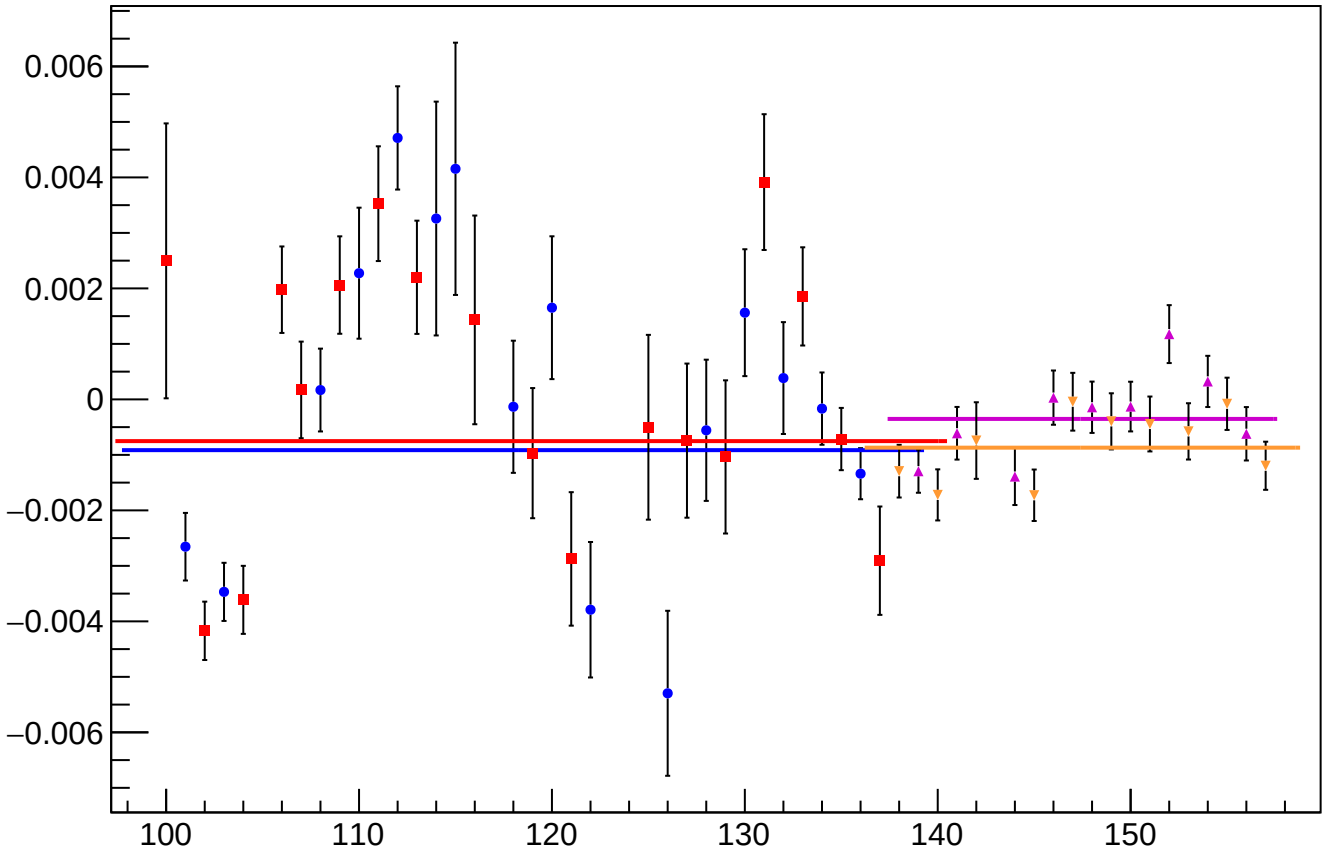
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.003 χ^2/NDF:26.7/8

+ sign 0.021+/-0.003 χ^2/NDF: 57.3/25

All: 0.019+/-0.002 χ^2/NDF: 125.5/52

- sign 0.016+/-0.003 χ^2/NDF: 66.4/26



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:15.5/9

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

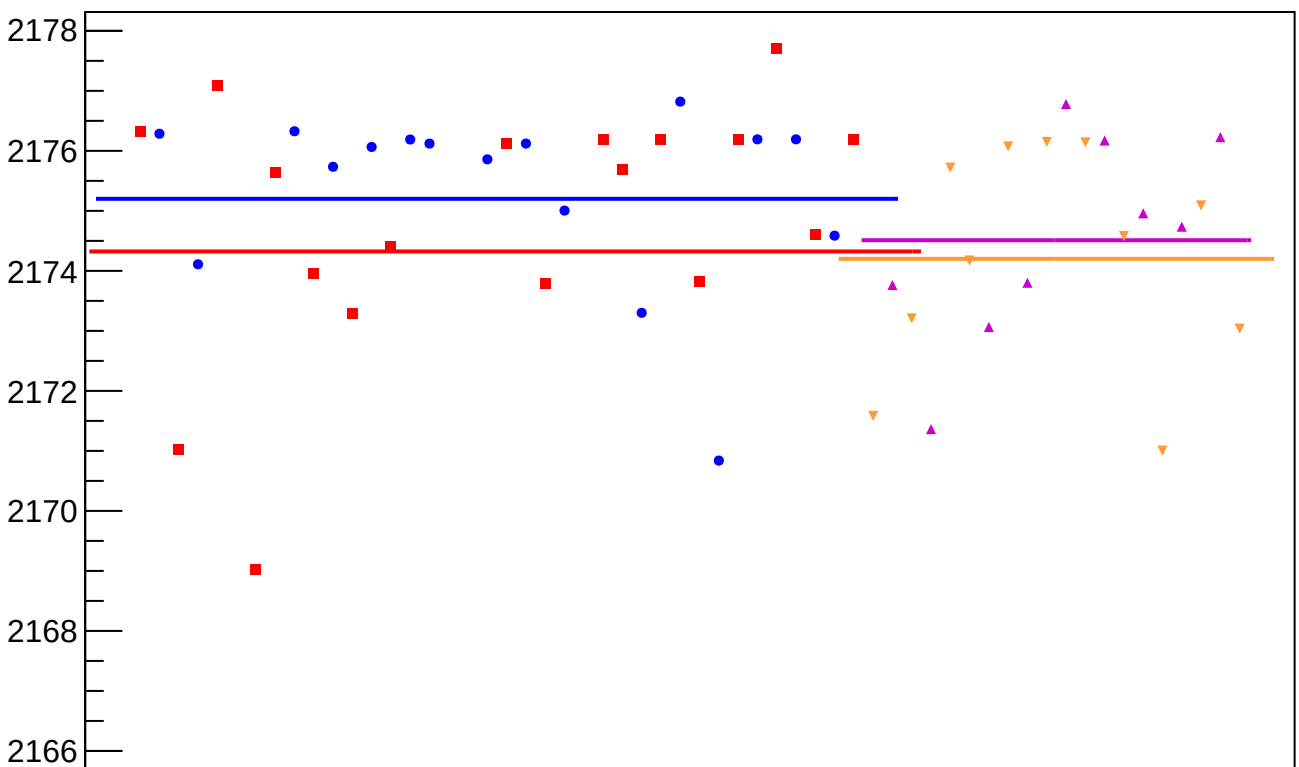
Left In: -0.000+/-0.000 χ^2/NDF:22.4/8

+ sign -0.001+/-0.000 χ^2/NDF: 129.6/25

All: -0.001+/-0.000 χ^2/NDF: 306.8/52

- sign -0.000+/-0.000 χ^2/NDF: 172.2/26

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.200+/-0.000 χ^2/NDF:2802719302615784283174965658779648.0/10

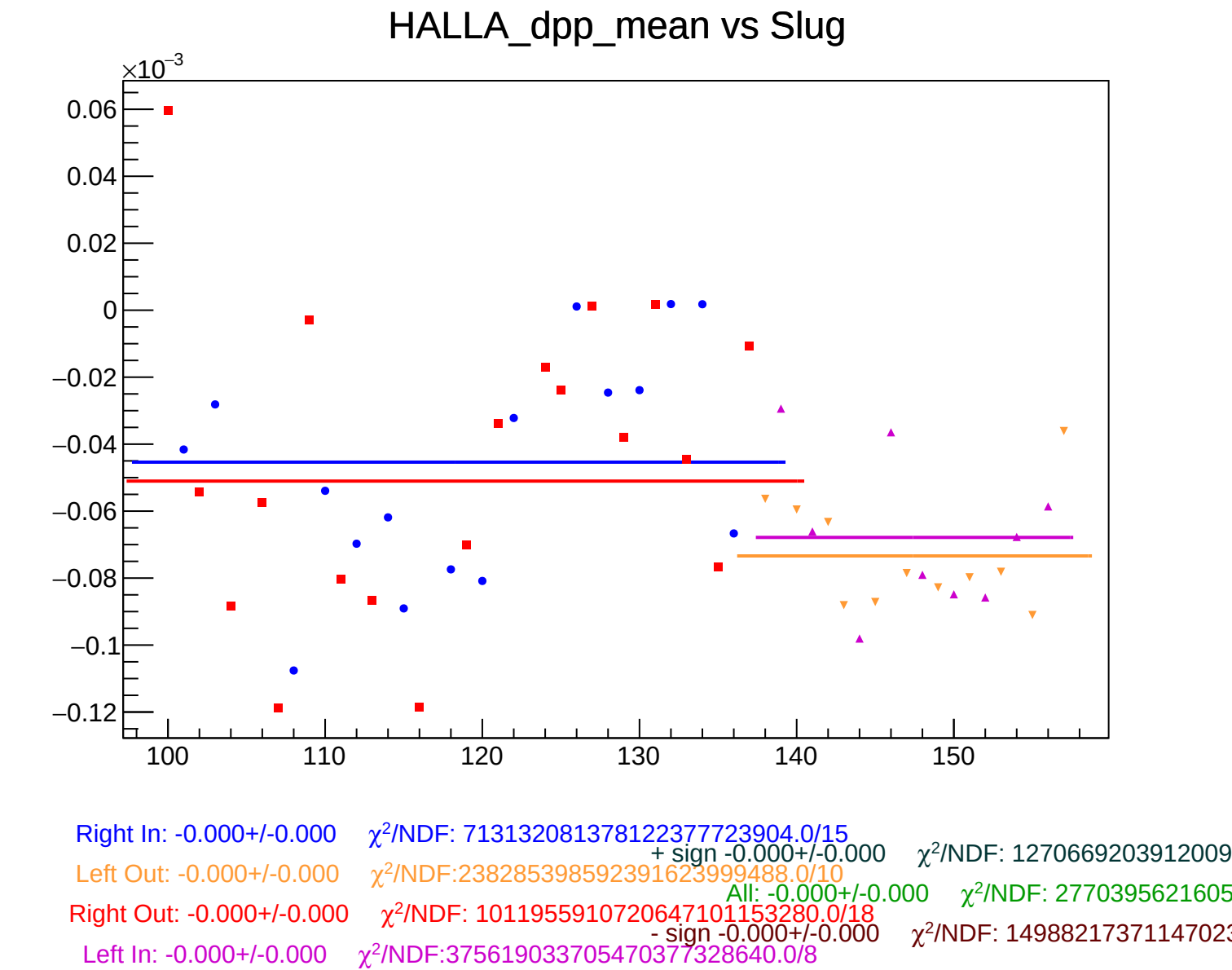
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.511+/-0.000 χ^2/NDF:219135011554540308552339145988505 6.0/8

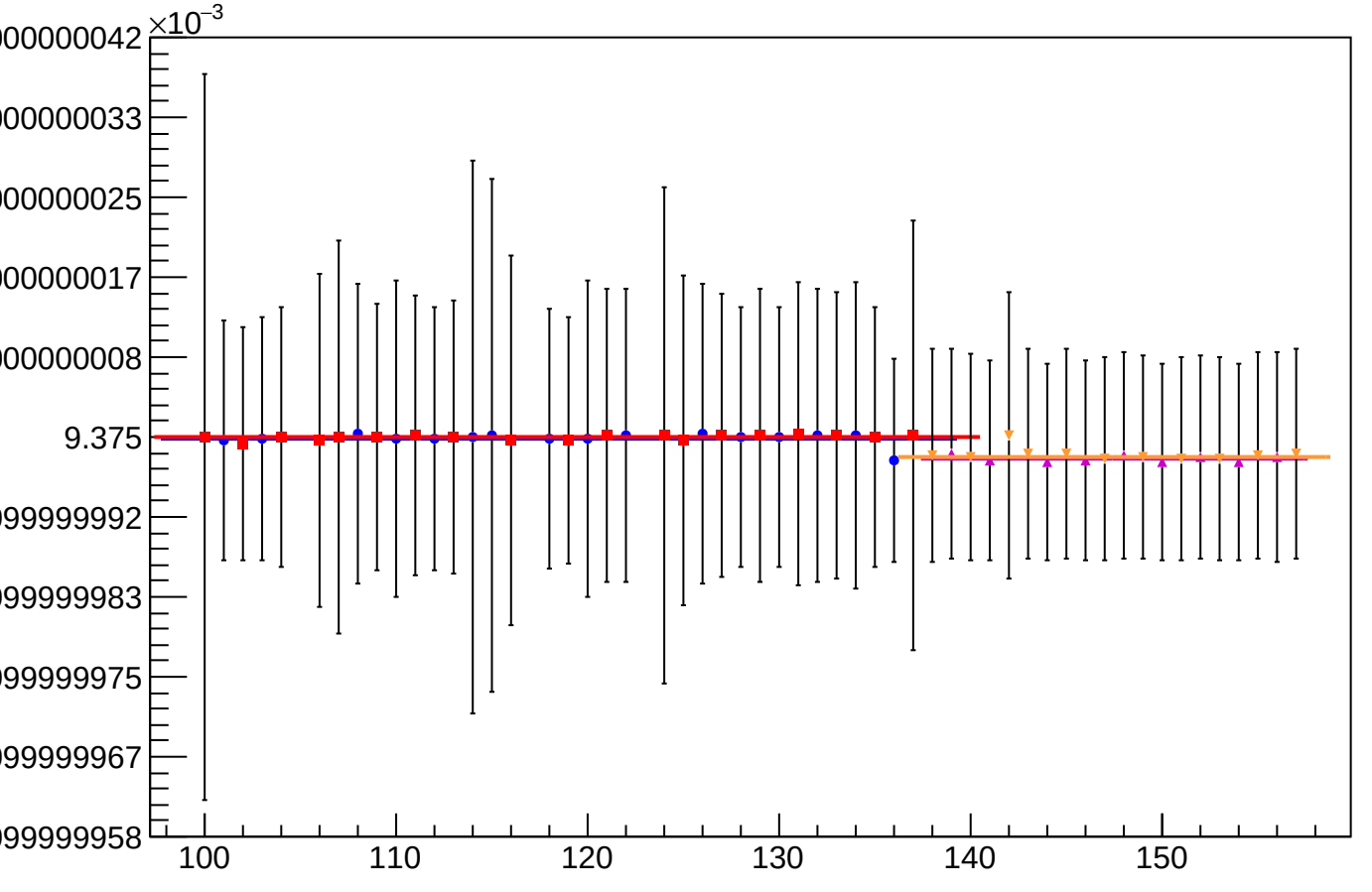
+ sign 2174.651+/-0.000 χ^2/NDF: 4976118415130

All: 2174.538+/-0.000 χ^2/NDF: 127663352

- sign 2174.420+/-0.000 χ^2/NDF: 77473459738444


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
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:2382853985923916239994880.0/10
Right Out: -0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: -0.000+/-0.000 χ²/NDF:3756190337054703773286400.0/8
+ sign -0.000+/-0.000 χ²/NDF: 1270669203912009
All: -0.000+/-0.000 χ²/NDF: 2770395621605
- sign -0.000+/-0.000 χ²/NDF: 14988217371147023

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

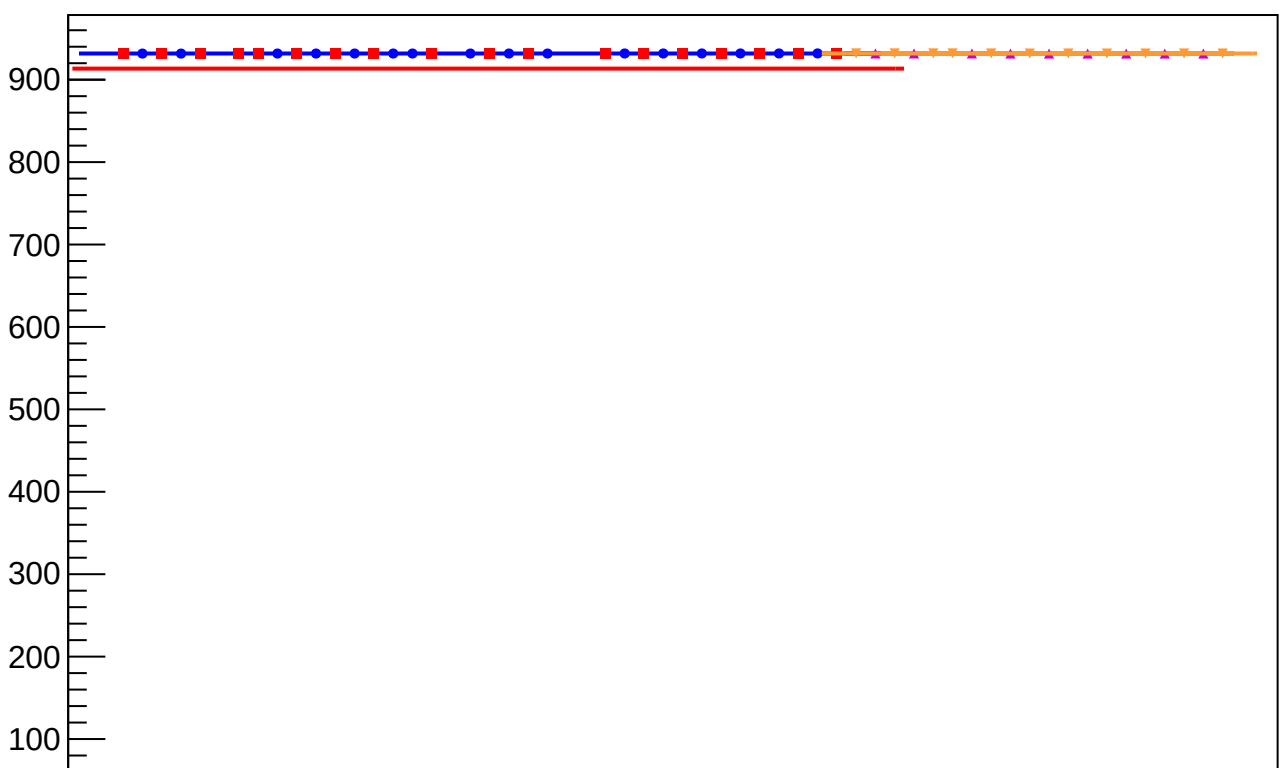
Left In: 0.009+/-0.000 χ^2/NDF:0.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.5/54

- sign 0.009+/-0.000 χ^2/NDF: 0.2/27

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.781+/-0.000 χ^2/NDF: 681377451898357

Left Out: 931.791+/-0.000 χ^2/NDF:385821310004609800918526643404 8.0/10

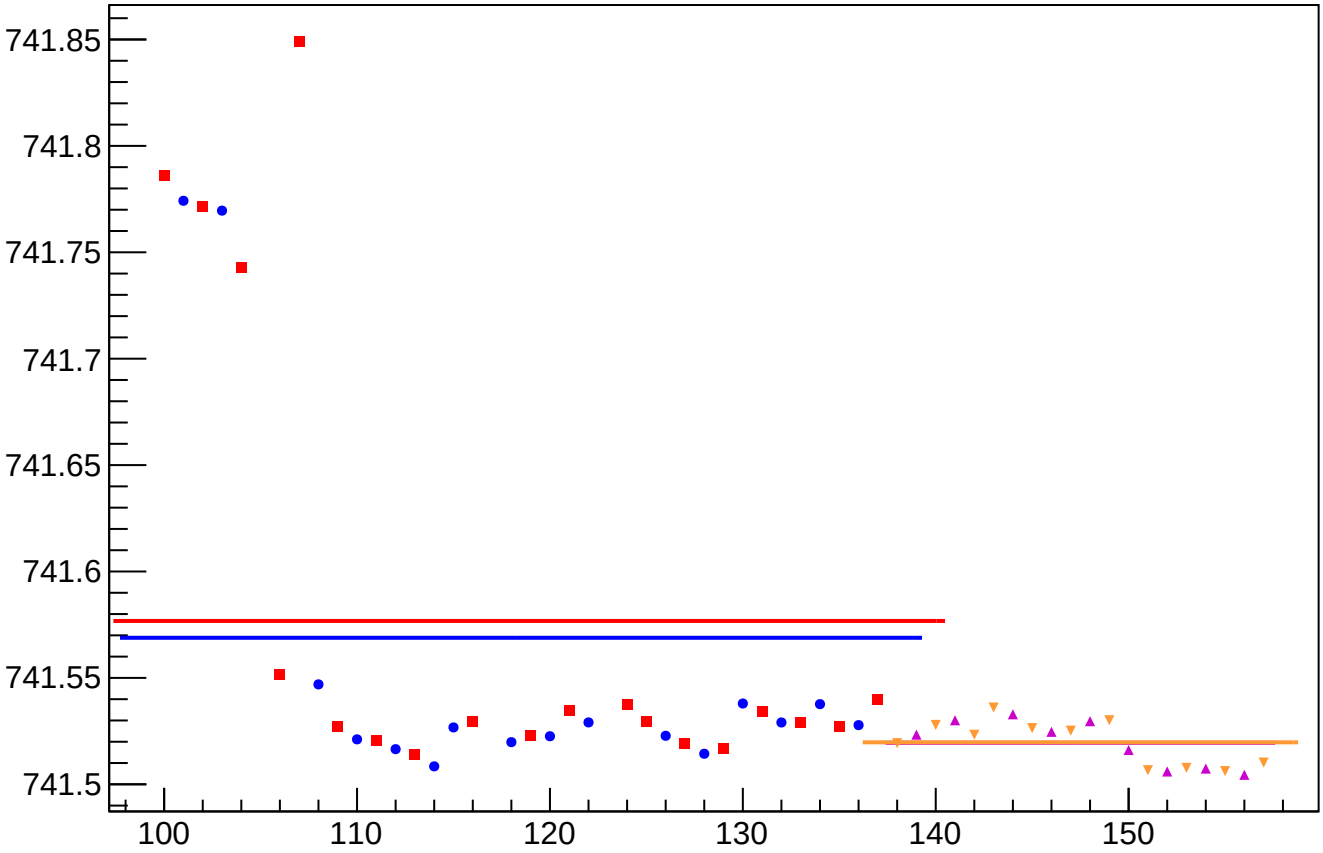
All: 927.437+/-0.000 χ^2/NDF: 12961601864

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 922.900+/-0.000 χ^2/NDF: 128981277685255

Left In: 931.782+/-0.000 χ^2/NDF:3222472919620012067018269261824.0/8

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.520+/-0.000 χ^2/NDF:95901848809286484217837912064.0/10

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

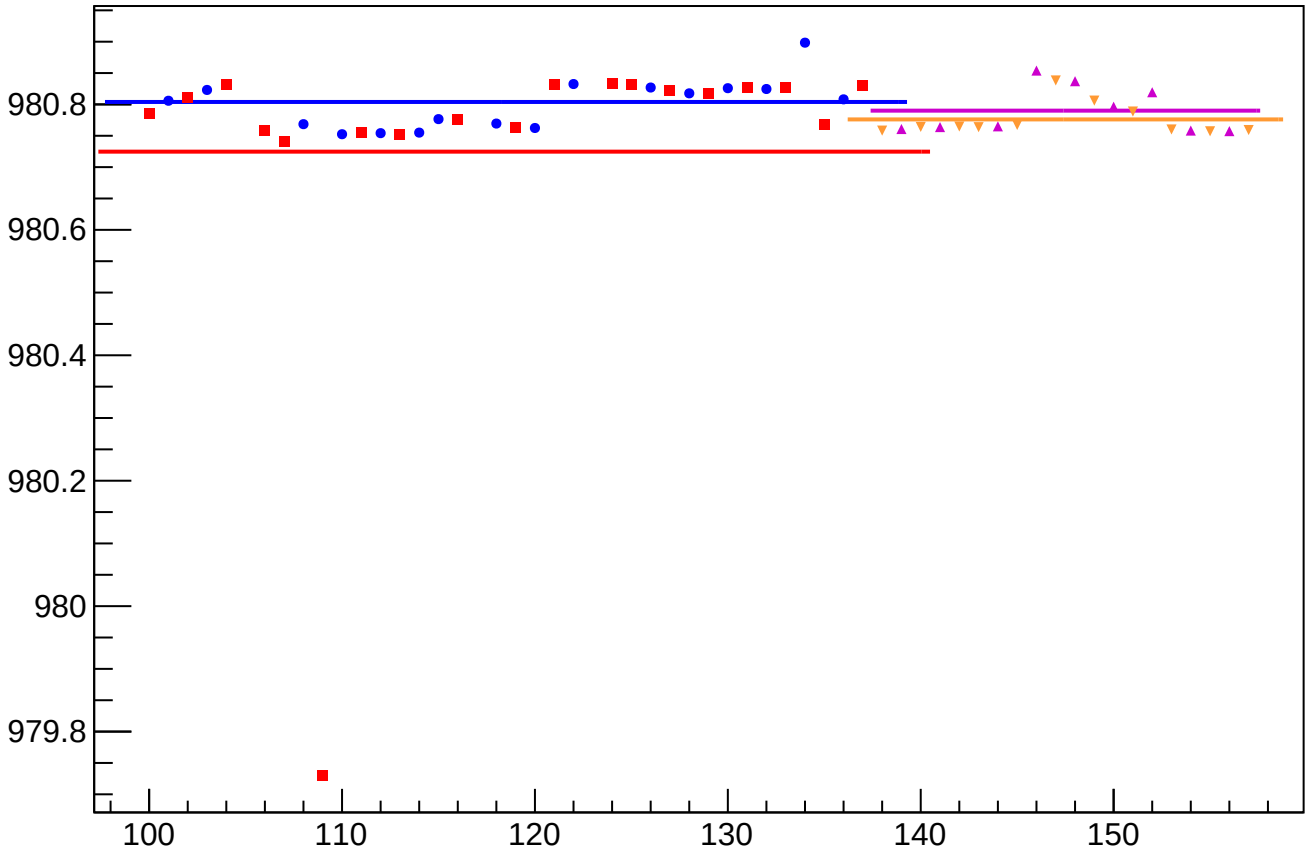
Left In: 741.520+/-0.000 χ^2/NDF:90412516566295768758908616704.0/8

+ sign 741.542+/-0.000 χ^2/NDF: 751165585515009

All: 741.544+/-0.000 χ^2/NDF: 16606898133

- sign 741.547+/-0.000 χ^2/NDF: 907191376196471

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.776+/-0.000 χ^2/NDF:5746416230187274316923115929600.0/10

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

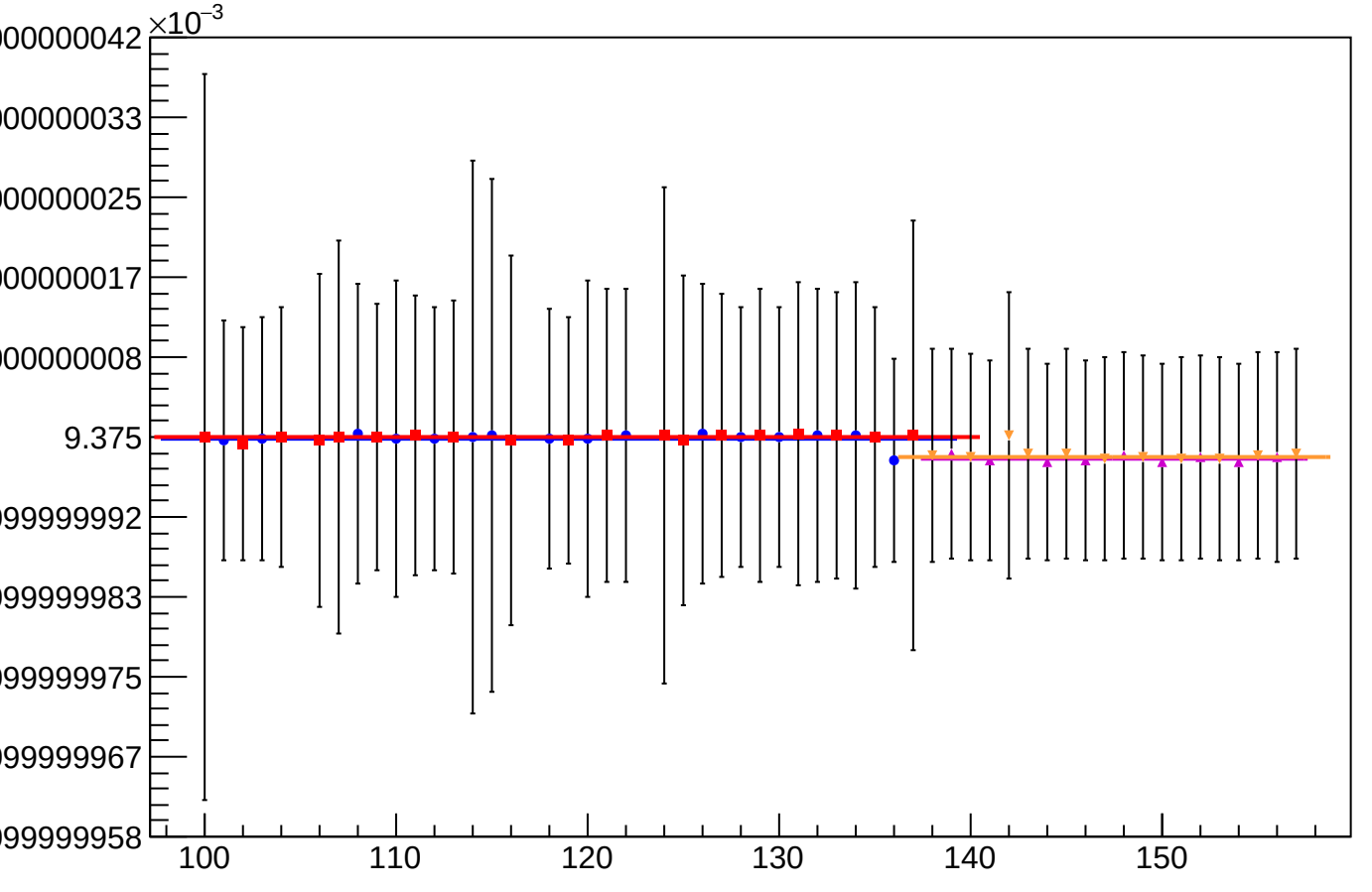
Left In: 980.790+/-0.000 χ^2/NDF:10229919725478130622526725816320.0/8

+ sign 980.789+/-0.000 χ^2/NDF: 182325973194613

All: 980.774+/-0.000 χ^2/NDF: 613028202168

- sign 980.758+/-0.000 χ^2/NDF: 587447223278956

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

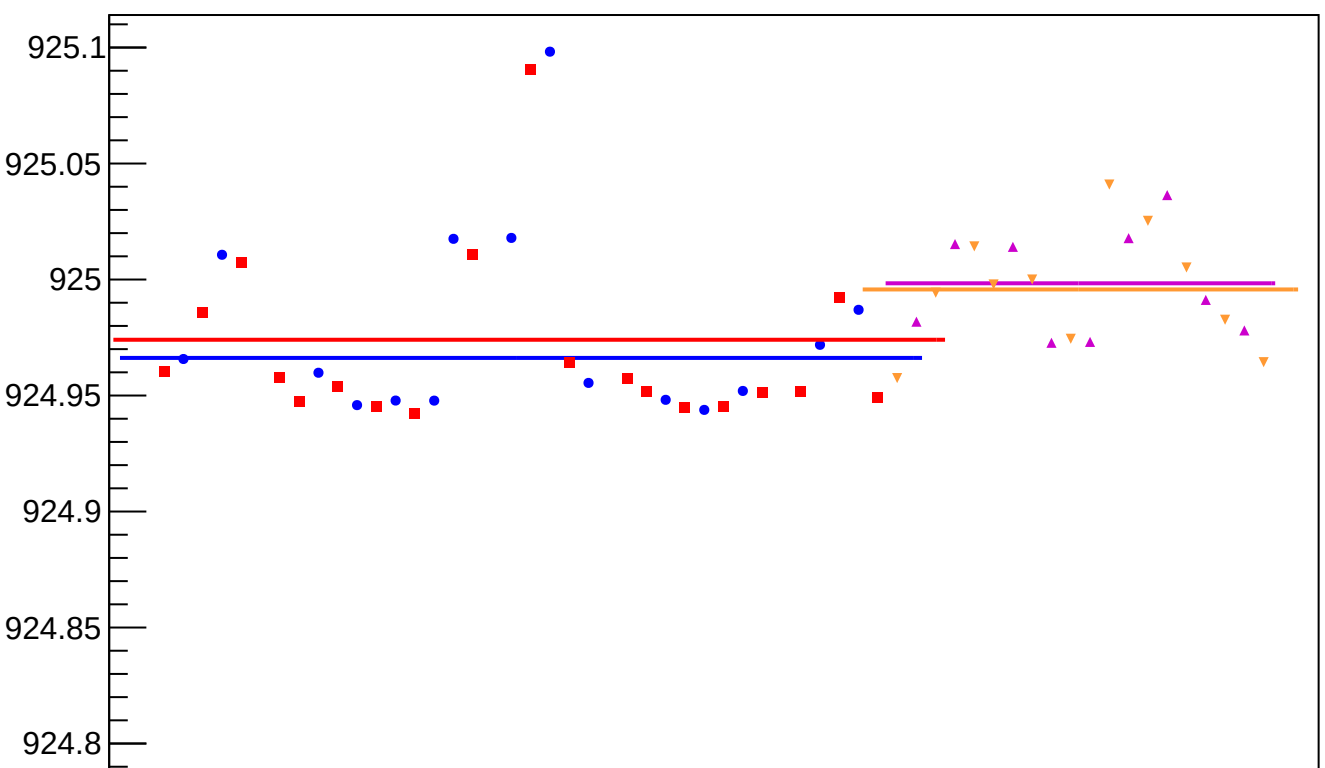
Left In: 0.009+/-0.000 χ^2/NDF:0.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.5/54

- sign 0.009+/-0.000 χ^2/NDF: 0.2/27

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.996+/-0.000 χ^2/NDF:53969334663718521716736209715 2.0/10

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183 2064.0/18

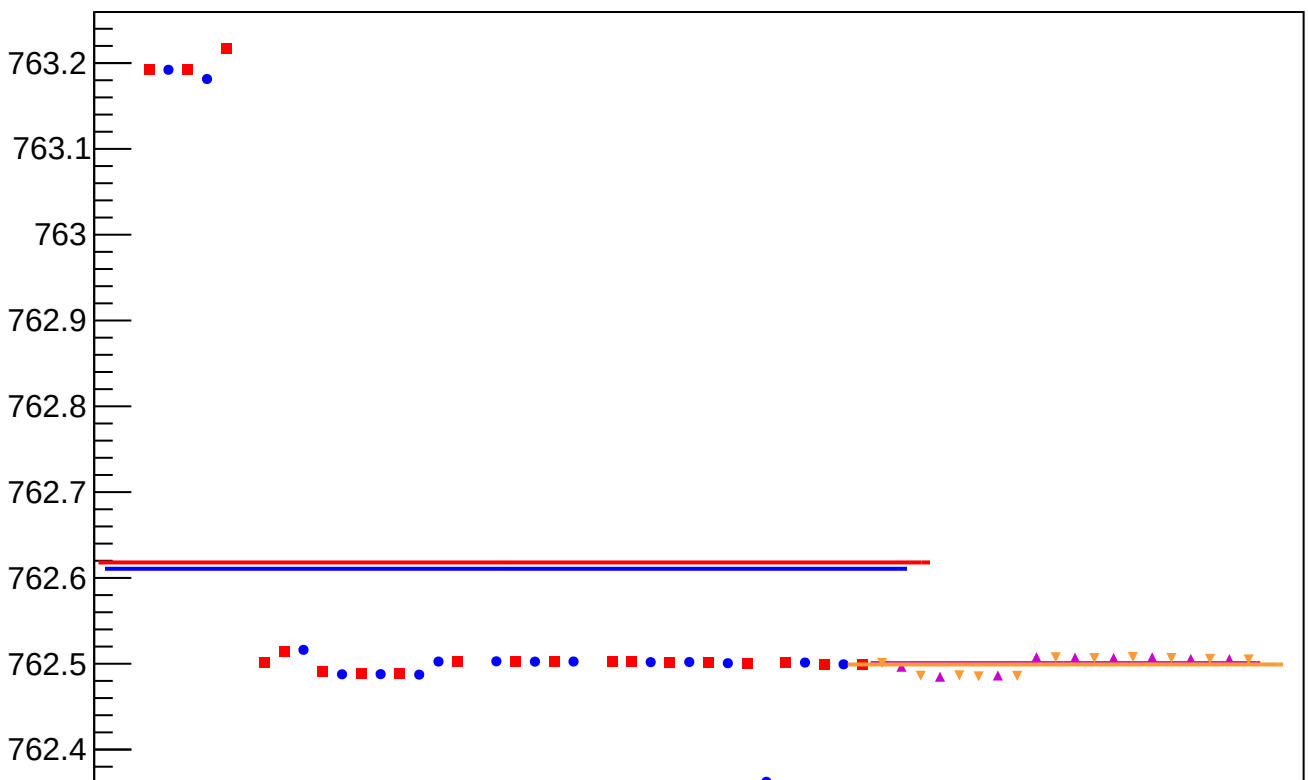
Left In: 924.998+/-0.000 χ^2/NDF:39209925845351966165631080857 6.0/8

+ sign 924.982+/-0.000 χ^2/NDF: 343859900855832

All: 924.984+/-0.000 χ^2/NDF: 531956088845

- sign 924.987+/-0.000 χ^2/NDF: 186704043185161

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

+ sign 762.549+/-0.000 χ^2/NDF: 573102166134618

Left Out: 762.499+/-0.000 χ^2/NDF:8245949049635176193432590745 6.0/10

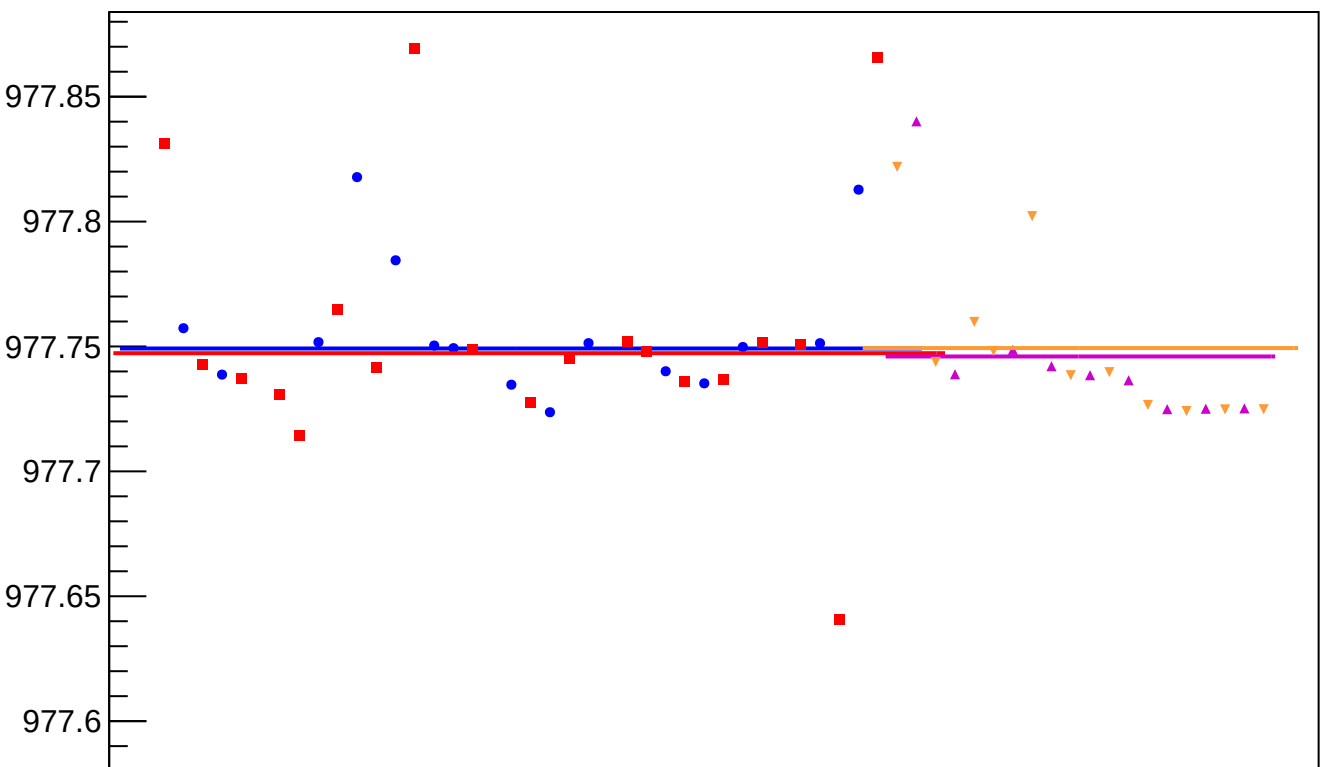
All: 762.553+/-0.000 χ^2/NDF: 11597605943

Right Out: 762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374 8864.0/18

- sign 762.558+/-0.000 χ^2/NDF: 586122566835508

Left In: 762.501+/-0.000 χ^2/NDF:6386106579082059648737266892 8.0/8

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.749+/-0.000 χ^2/NDF:8909026056920833393932013404160.0/10

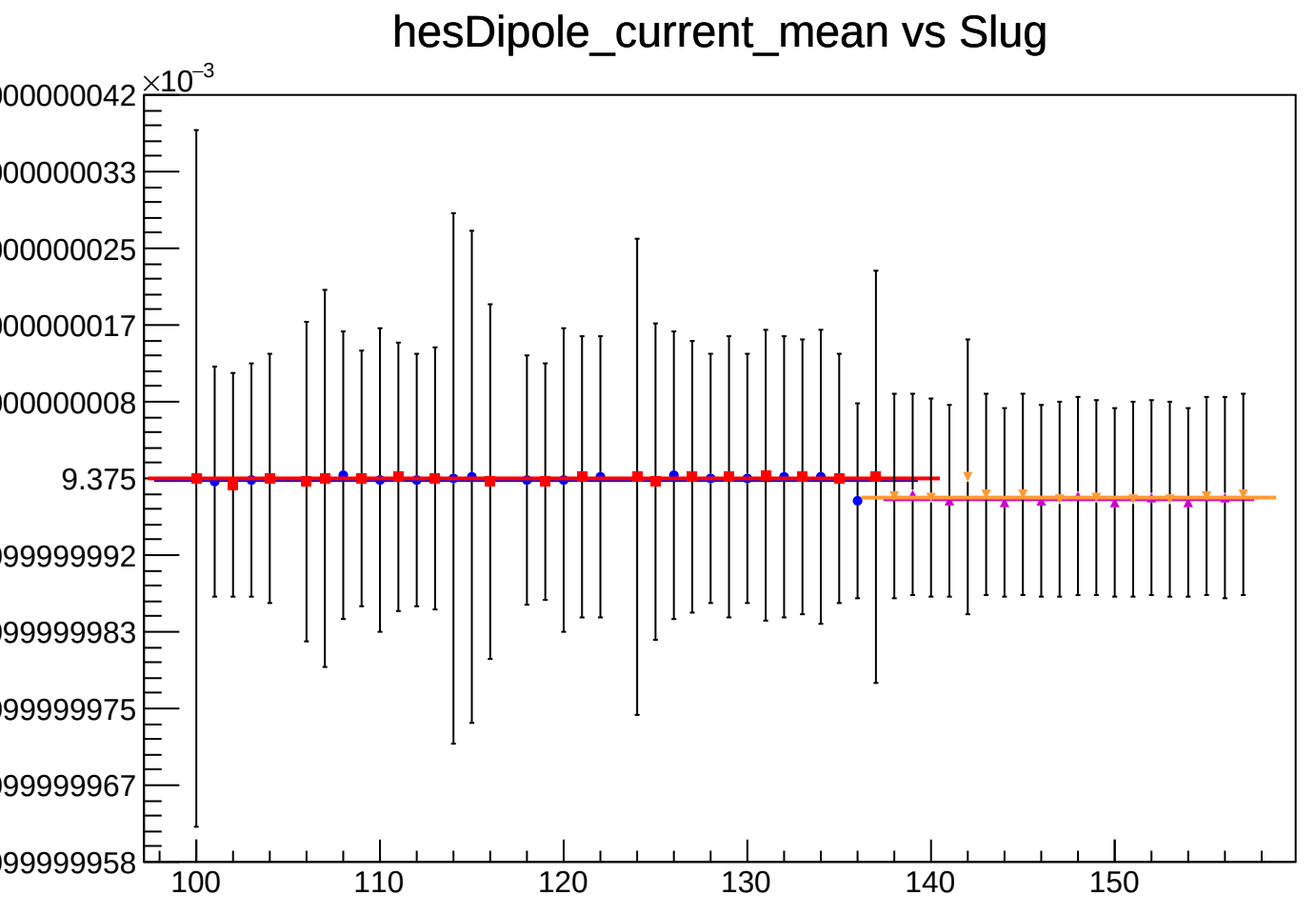
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.746+/-0.000 χ^2/NDF:881984065873807220890027425792.0/8

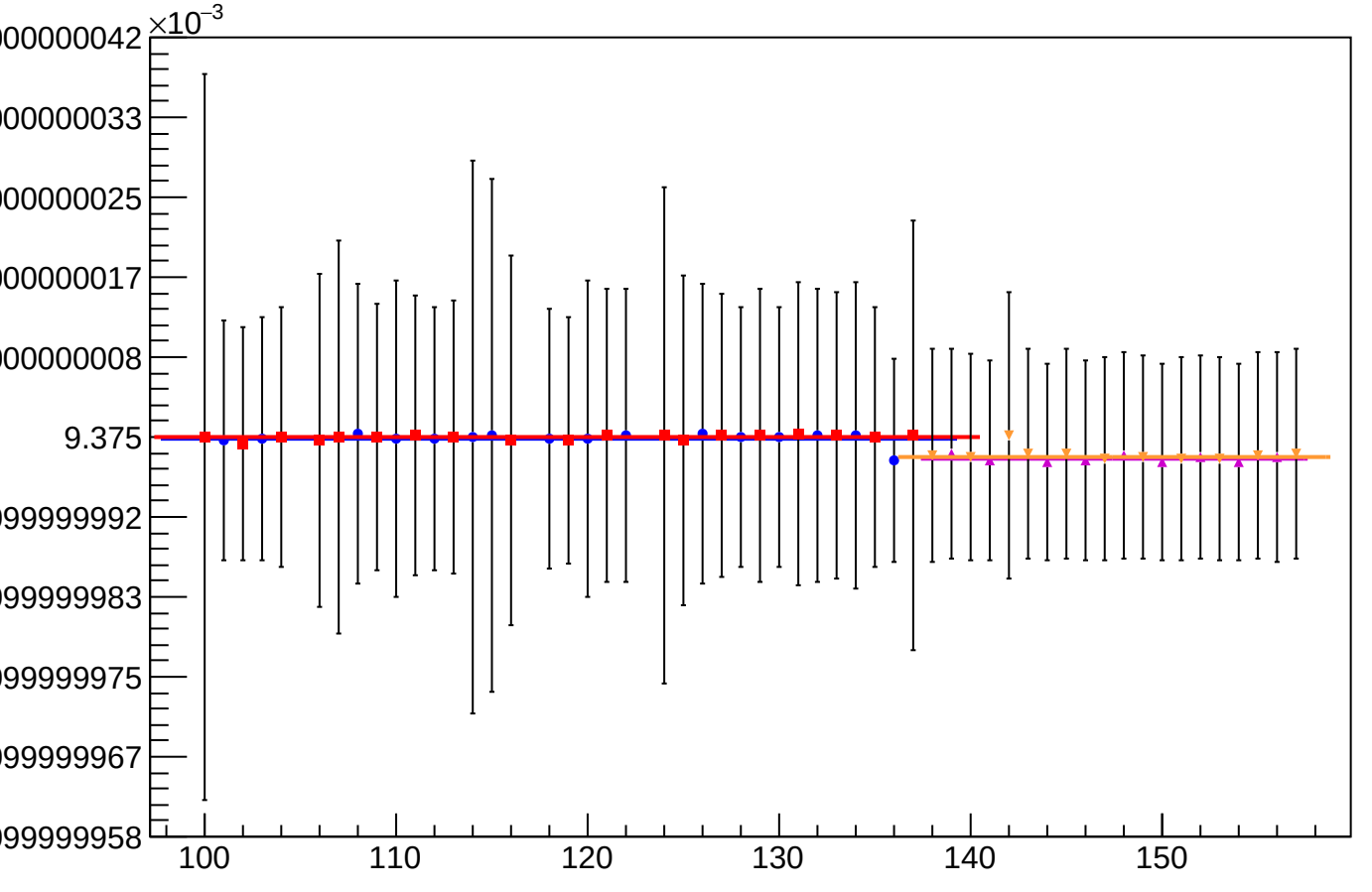
+ sign 977.749+/-0.000 χ^2/NDF: 285049185336425

All: 977.748+/-0.000 χ^2/NDF: 552104525576

- sign 977.747+/-0.000 χ^2/NDF: 266488619027097


hesDipole_current_mean vs Slug
×10⁻³
100
110
120
130
140
150
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/10
Right Out: 0.009+/-0.000 χ²/NDF: 0.0/18
Left In: 0.009+/-0.000 χ²/NDF:0.0/8
+ sign 0.009+/-0.000 χ²/NDF: 0.2/26
All: 0.009+/-0.000 χ²/NDF: 0.5/54
- sign 0.009+/-0.000 χ²/NDF: 0.2/27

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

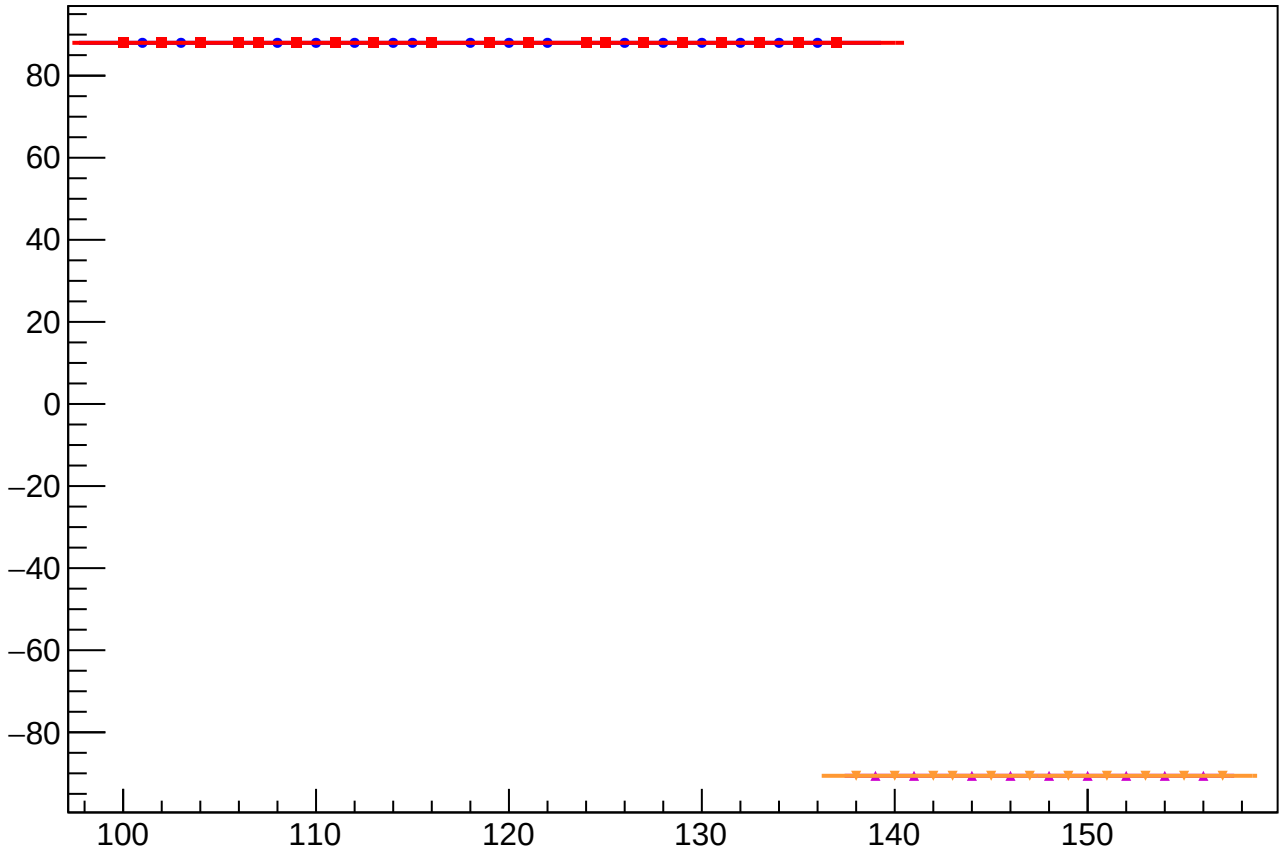
Left In: 0.009+/-0.000 χ^2/NDF:0.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.5/54

- sign 0.009+/-0.000 χ^2/NDF: 0.2/27

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:2927847.8/10

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

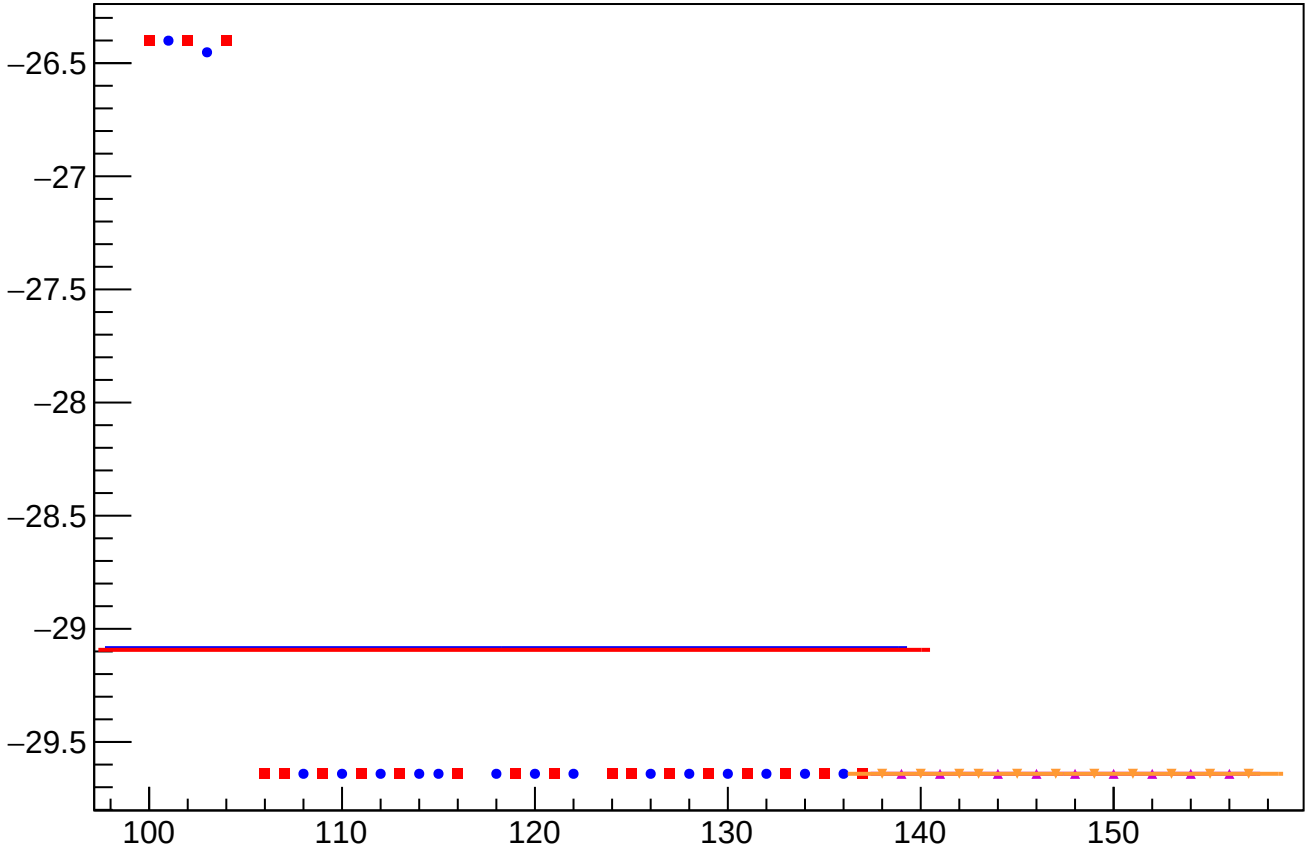
Left In: -90.599+/-0.000 χ^2/NDF:642801.7/8

+ sign -10.148+/-0.000 χ^2/NDF: 129892371291428

All: -7.178+/-0.000 χ^2/NDF: 2556694451358

- sign -4.076+/-0.000 χ^2/NDF: 1254804504990411

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:173940.7/10

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:34179.8/8

+ sign -29.391+/-0.000 χ^2/NDF: 121993669641337

All: -29.383+/-0.000 χ^2/NDF: 246339912745

- sign -29.375+/-0.000 χ^2/NDF: 1243275757714284

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.114+/-0.000 χ^2/NDF:133025308432353874865815333896192.0/10

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

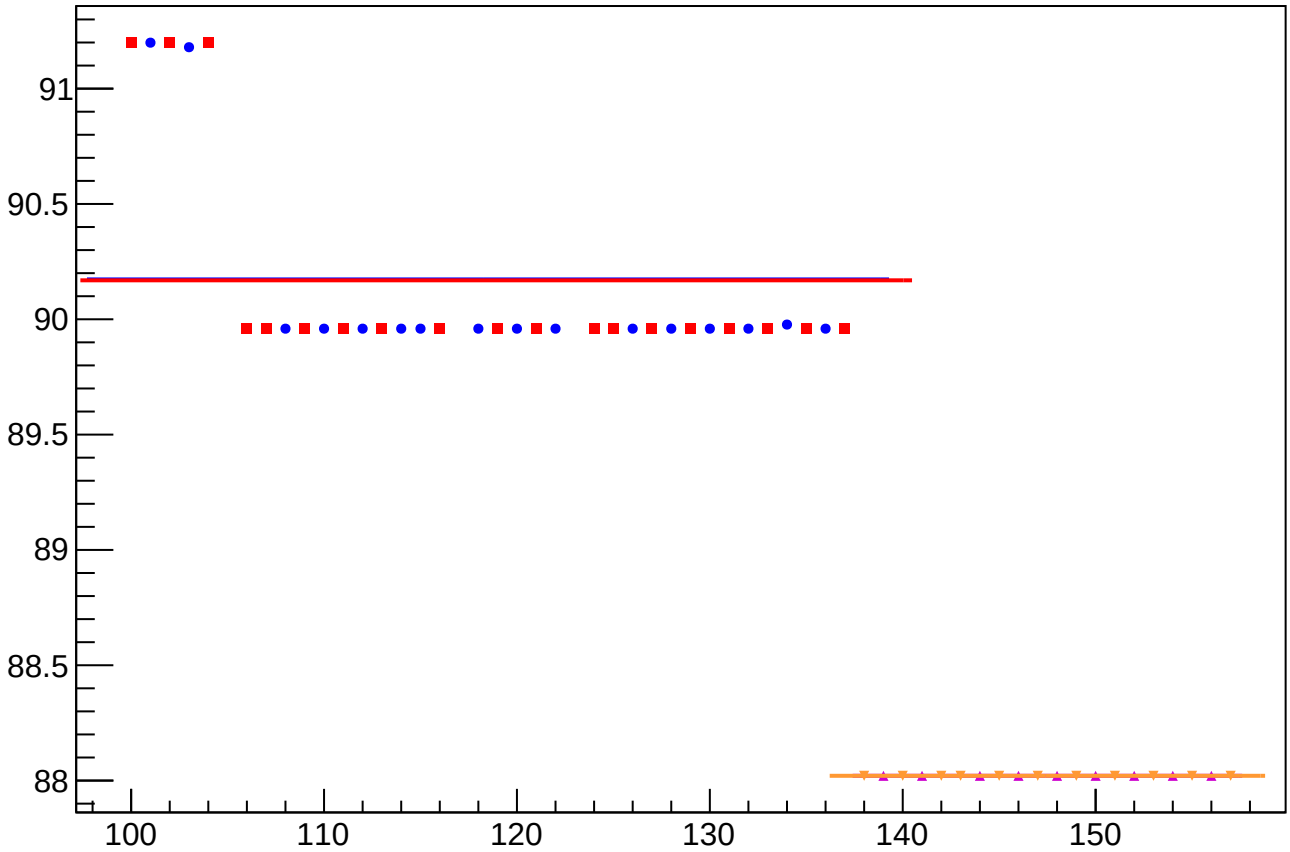
Left In: 1467.986+/-0.000 χ^2/NDF:718187191893081781987128115 20.0/8

+ sign 1470.525+/-0.000 χ^2/NDF: 1186989216450 7

All: 1470.564+/-0.000 χ^2/NDF: 240115071 83

- sign 1470.605+/-0.000 χ^2/NDF: 12141099136706

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2449028.1/10

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

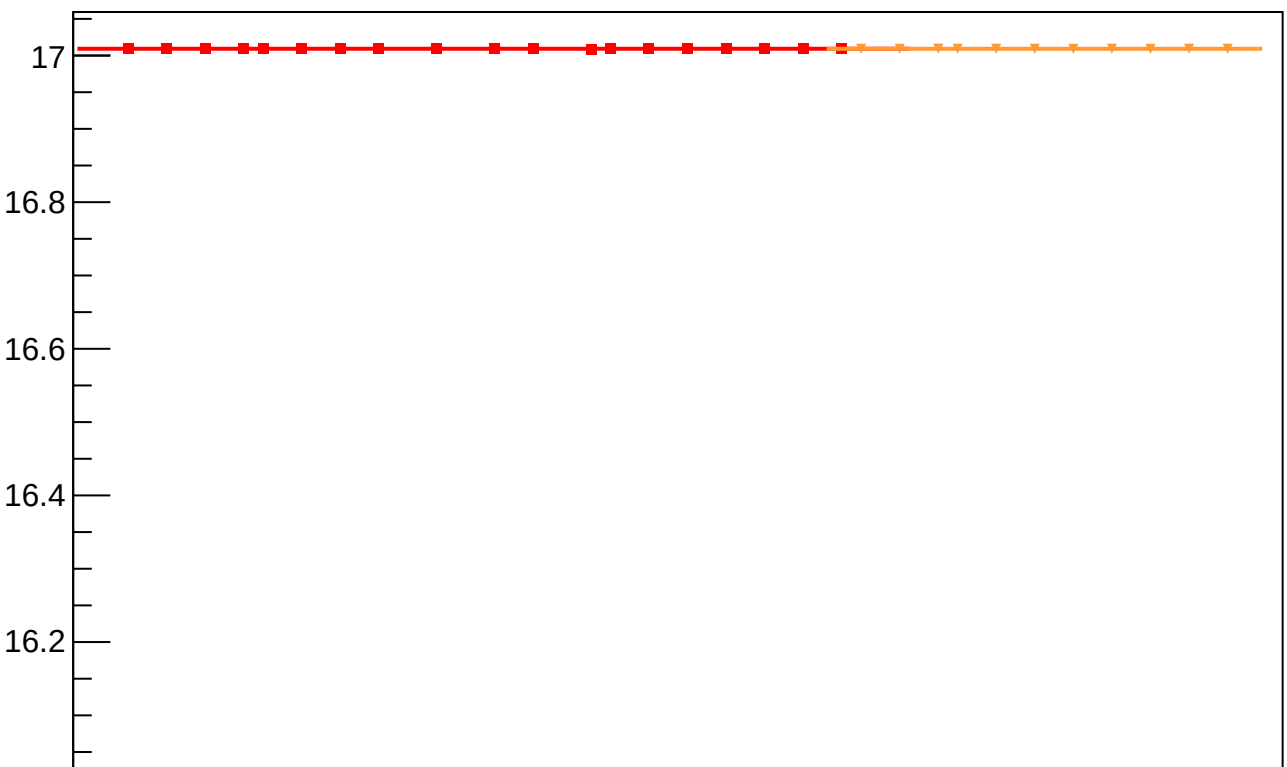
Left In: 88.021+/-0.000 χ^2/NDF:698943.4/8

+ sign 88.990+/-0.000 χ^2/NDF: 2045946954850506

All: 89.025+/-0.000 χ^2/NDF: 4030224193210

- sign 89.061+/-0.000 χ^2/NDF: 1980187099505729

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:984838507190113763380428 8.0/10

Right Out: 17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

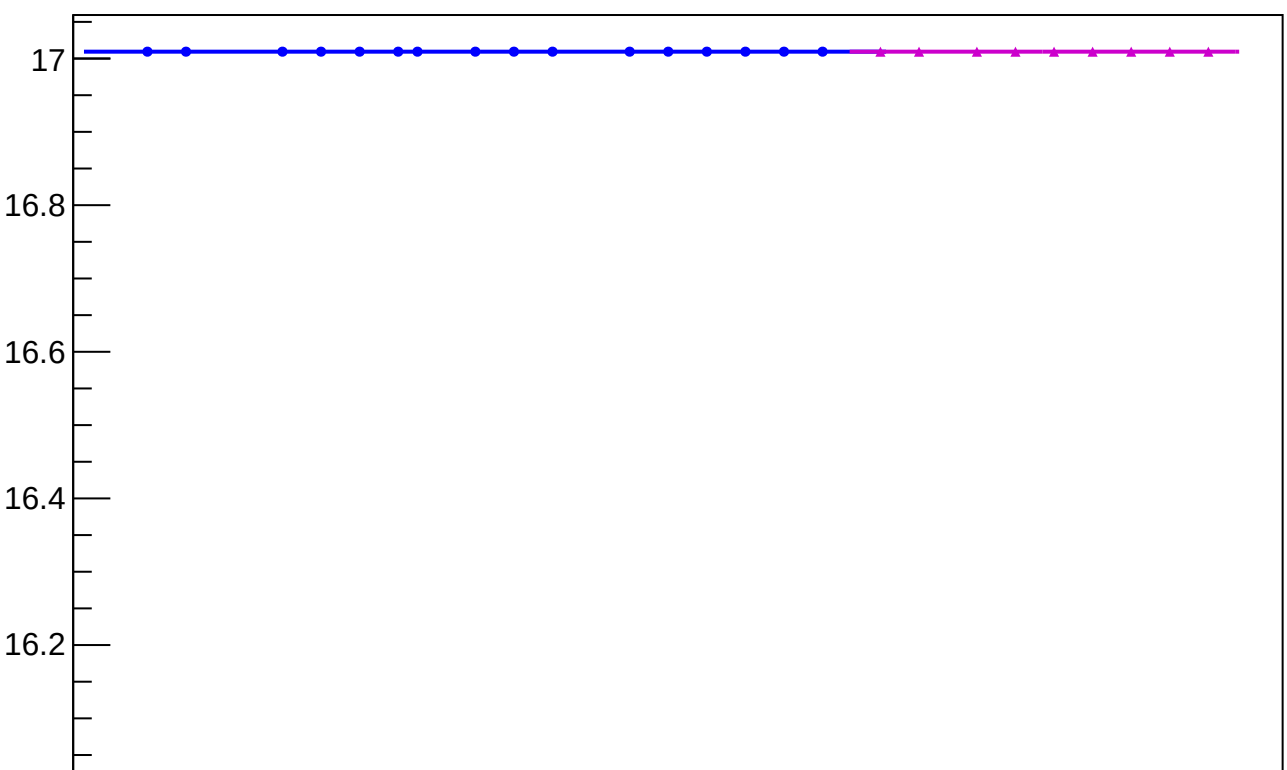
Left In: 16.009+/-0.000 χ^2/NDF:102312.1/8

+ sign 16.543+/-0.000 χ^2/NDF: 3746563934092618

All: 16.513+/-0.000 χ^2/NDF: 7425194748647

- sign 16.482+/-0.000 χ^2/NDF: 3651191294773195

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:45047.1/10

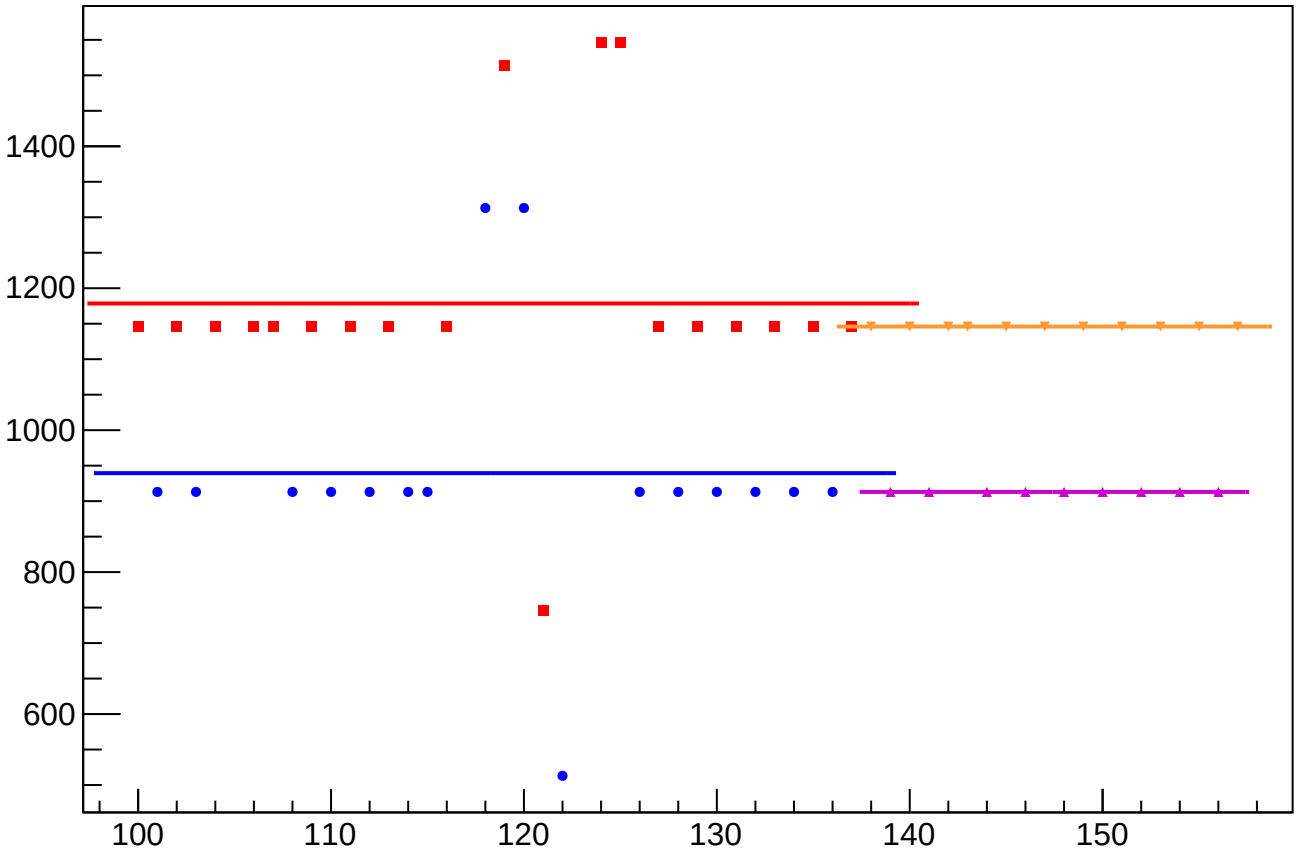
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:16307.3/8

+ sign 16.451+/-0.000 χ^2/NDF: 3949843945068659

All: 16.488+/-0.000 χ^2/NDF: 7918140560982

- sign 16.526+/-0.000 χ^2/NDF: 3923029917249823



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1052.962+/-0.000 χ^2/NDF: 3845826349478

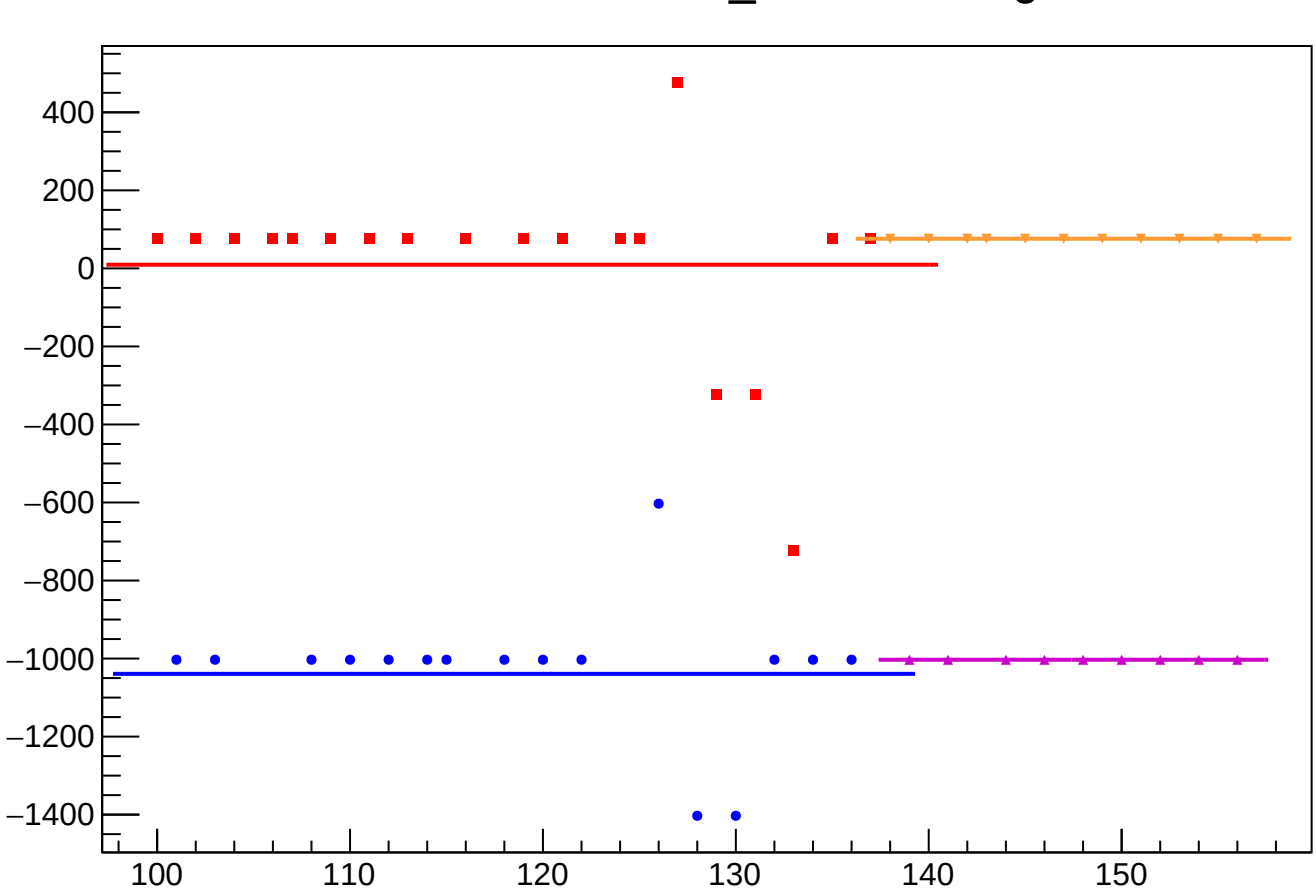
Left Out: 1146.011+/-0.000 χ^2/NDF:280444506457245617081443942 4.0/10

All: 1047.416+/-0.000 χ^2/NDF: 884347513

Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774156 8.0/18

- sign 1041.623+/-0.000 χ^2/NDF: 4987302654185

Left In: 912.993+/-0.000 χ^2/NDF:900334382278497554842989363 2.0/8



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

+ sign -426.323+/-0.000 χ^2/NDF: 52927843747547

Left Out: 76.010+/-0.000 χ^2/NDF:3051899921058532227471638528.0/10

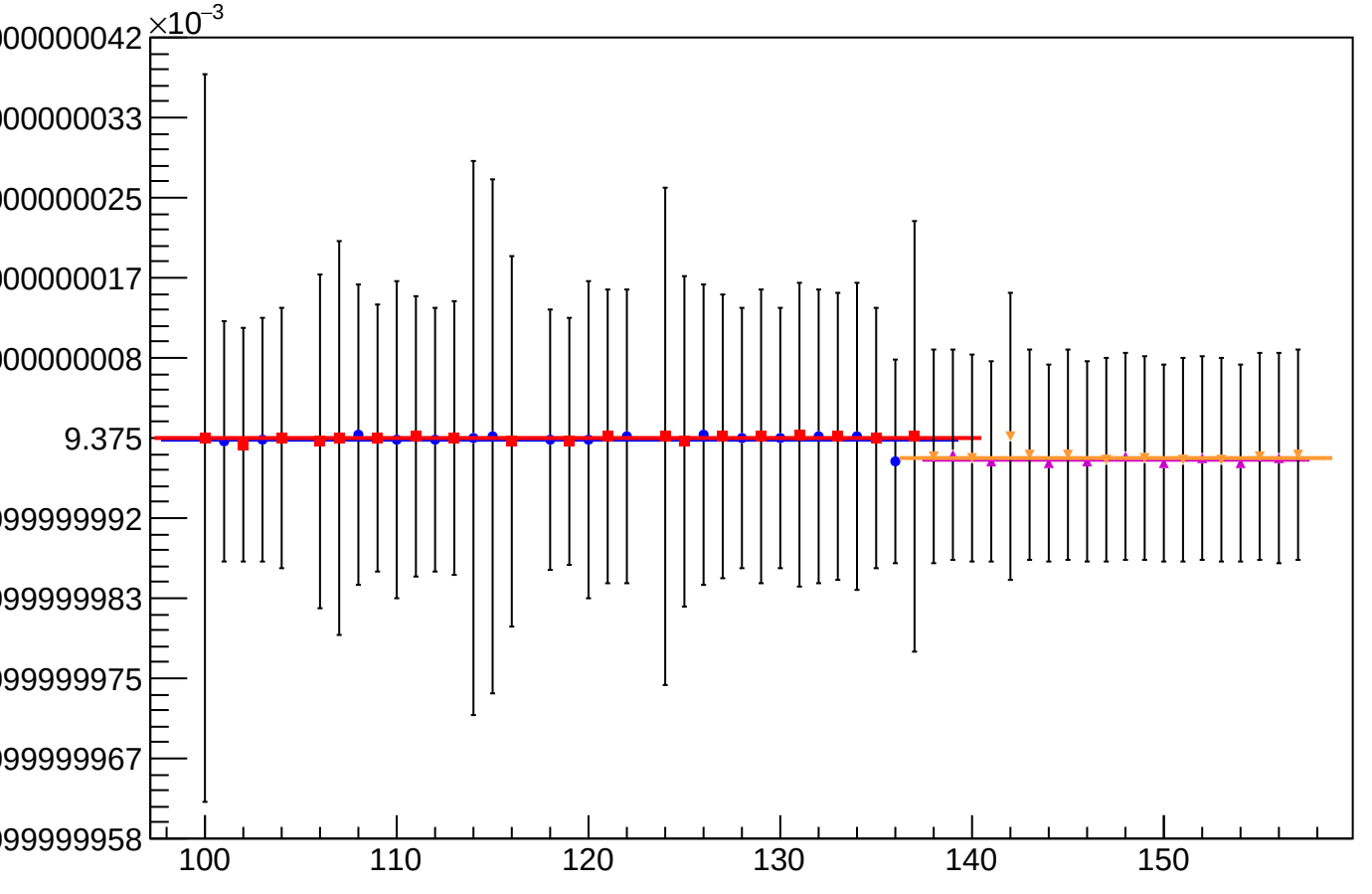
All: -468.489+/-0.000 χ^2/NDF: 9845155403

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

- sign -512.529+/-0.000 χ^2/NDF: 44925767911331

Left In: -1002.989+/-0.000 χ^2/NDF:13659328415082790962876907520/8

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

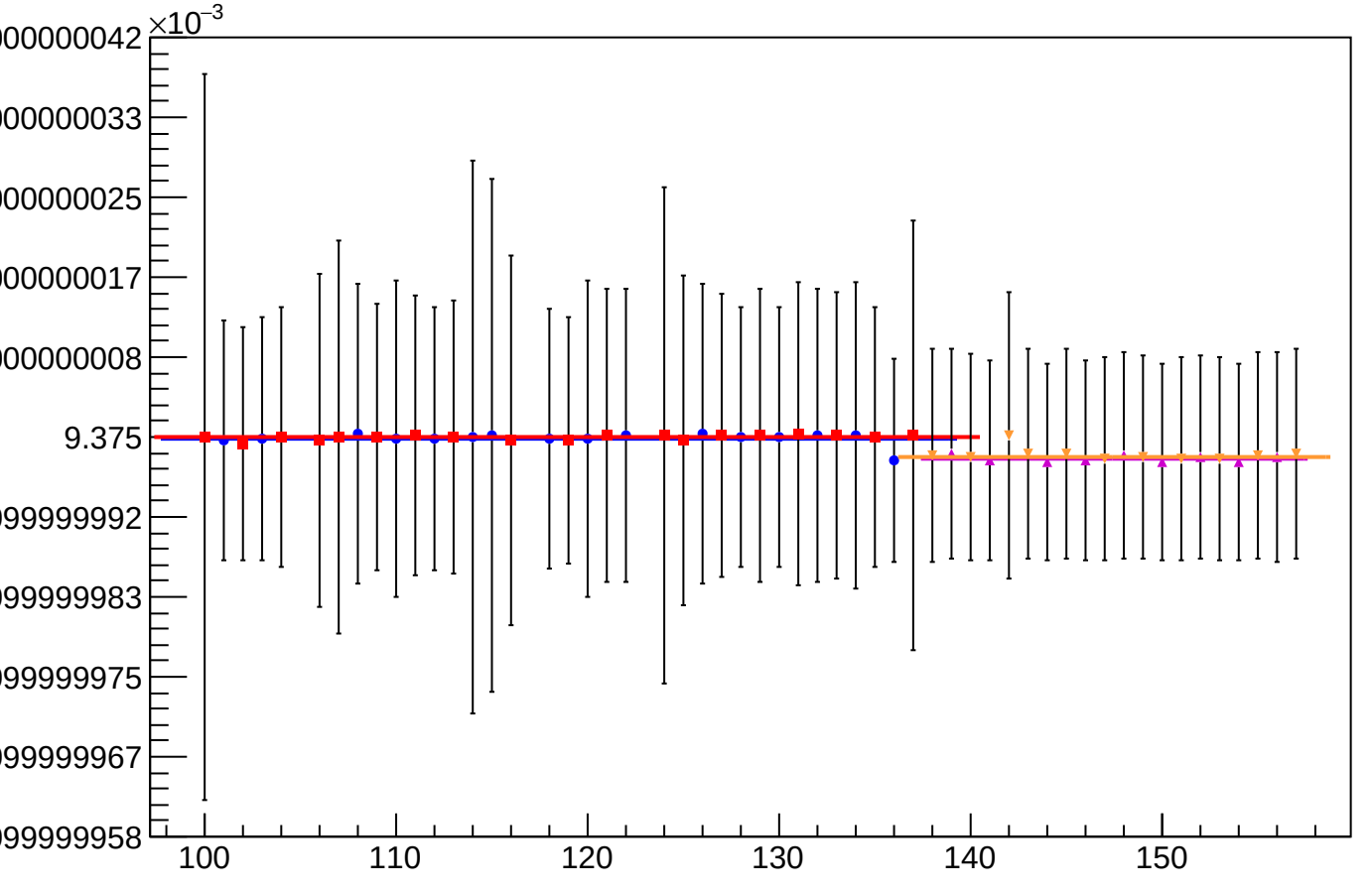
Left In: 0.009+/-0.000 χ^2/NDF:0.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.5/54

- sign 0.009+/-0.000 χ^2/NDF: 0.2/27

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/10

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/8

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/26

All: 0.009+/-0.000 χ^2/NDF: 0.5/54

- sign 0.009+/-0.000 χ^2/NDF: 0.2/27