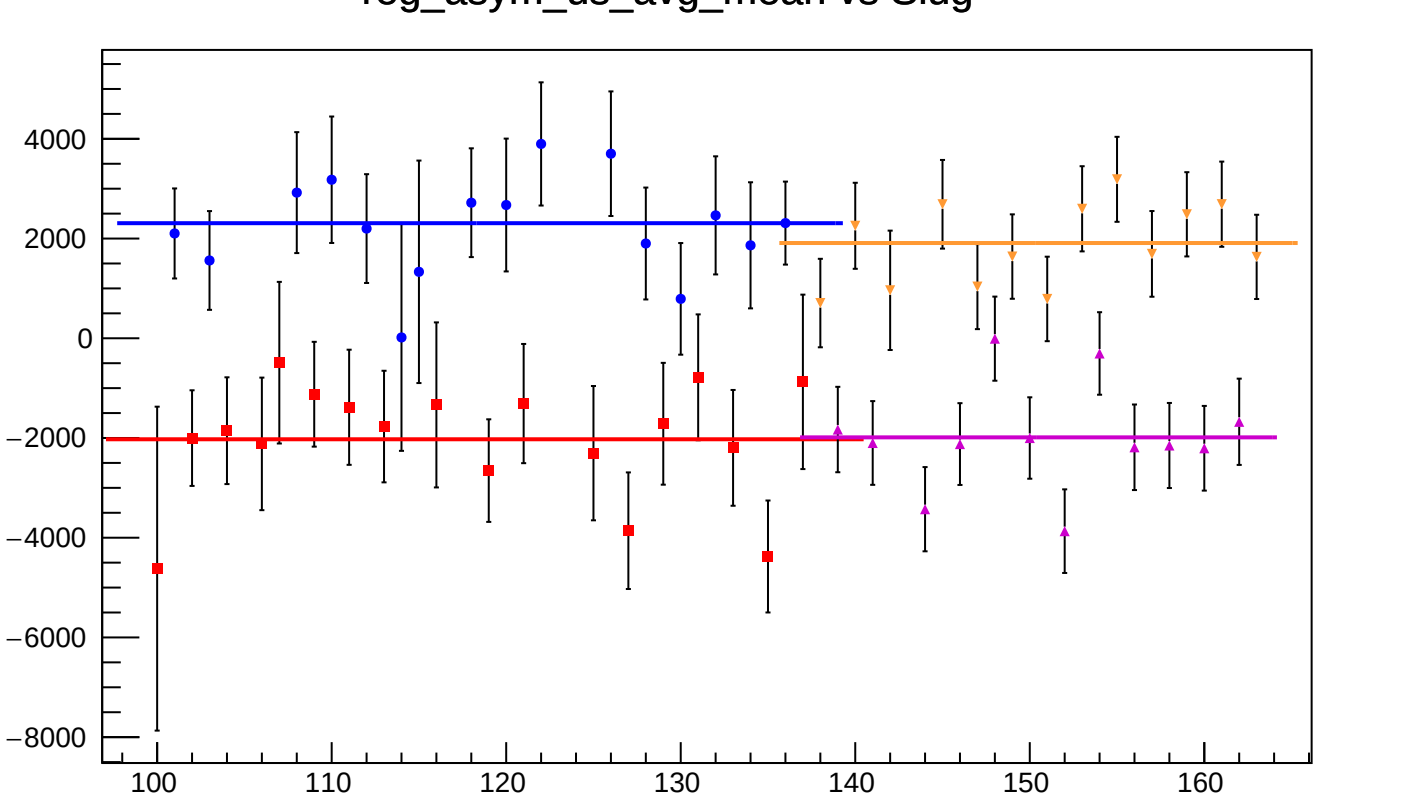


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

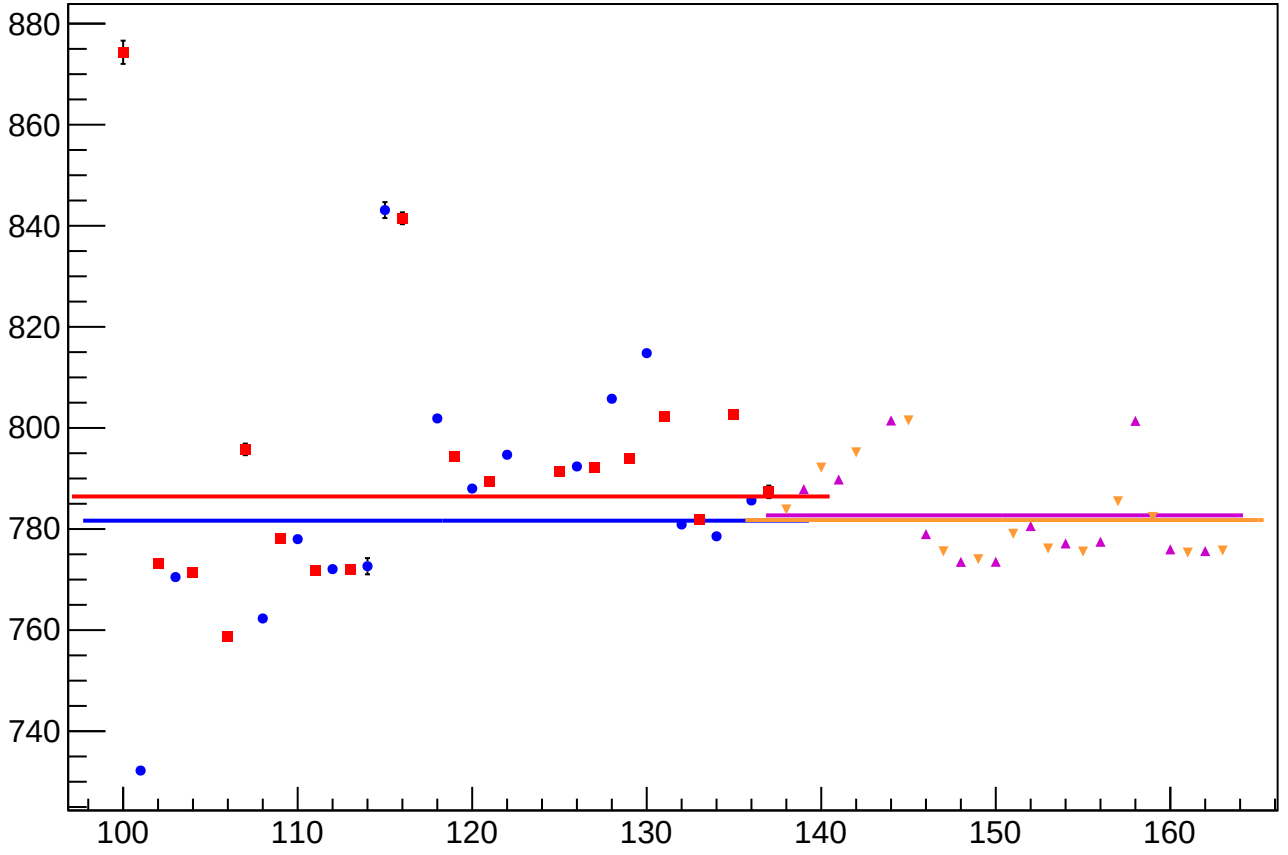
Left In: -1987.326+/-243.155 χ^2/NDF:18.0/11

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 36.993+/-131.660 χ^2/NDF: 289.2/58

- sign -2003.150+/-186.272 χ^2/NDF: 29.9/29

reg_asym_us_avg_rms vs Slug



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

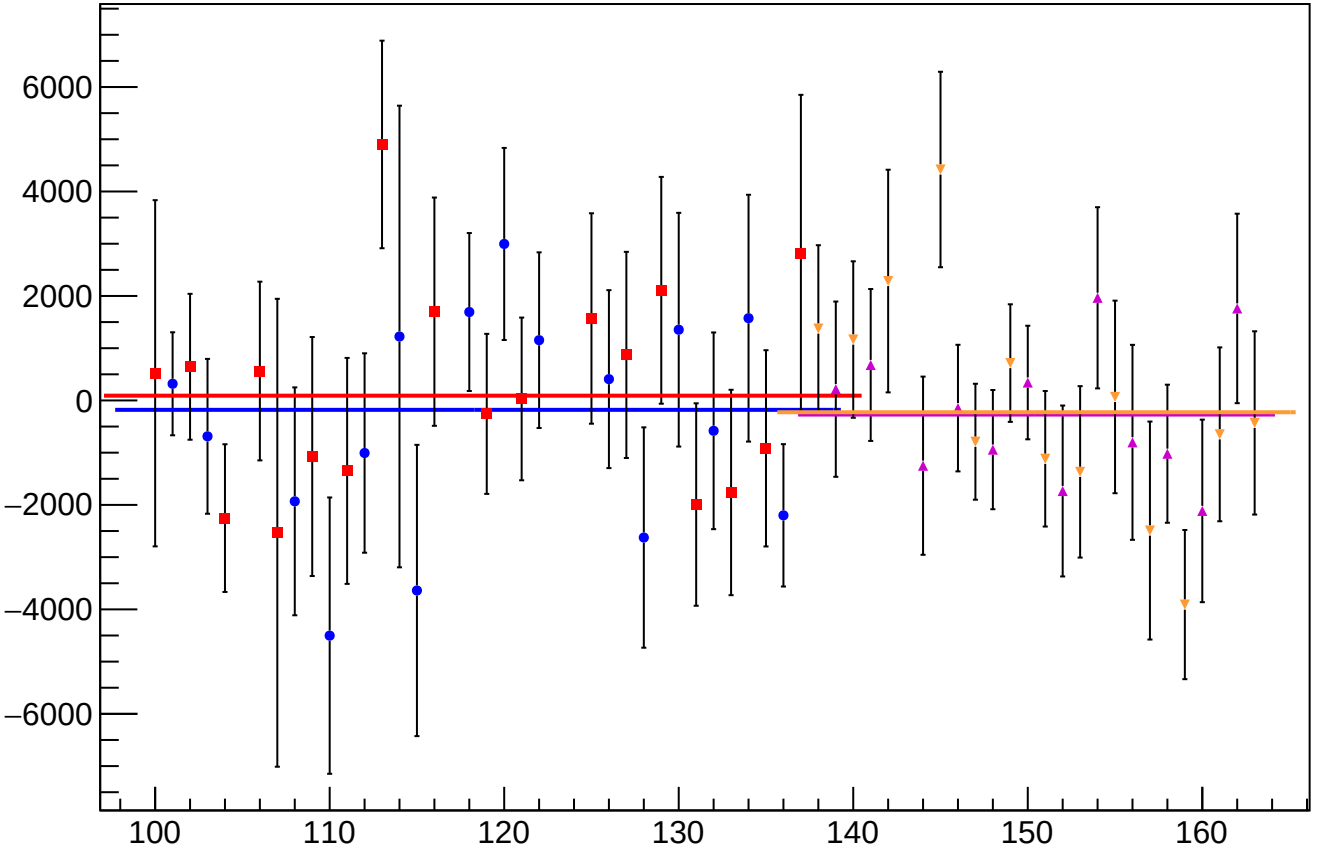
Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58

- sign 784.251+/-0.132 χ^2/NDF: 10527.8/29

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

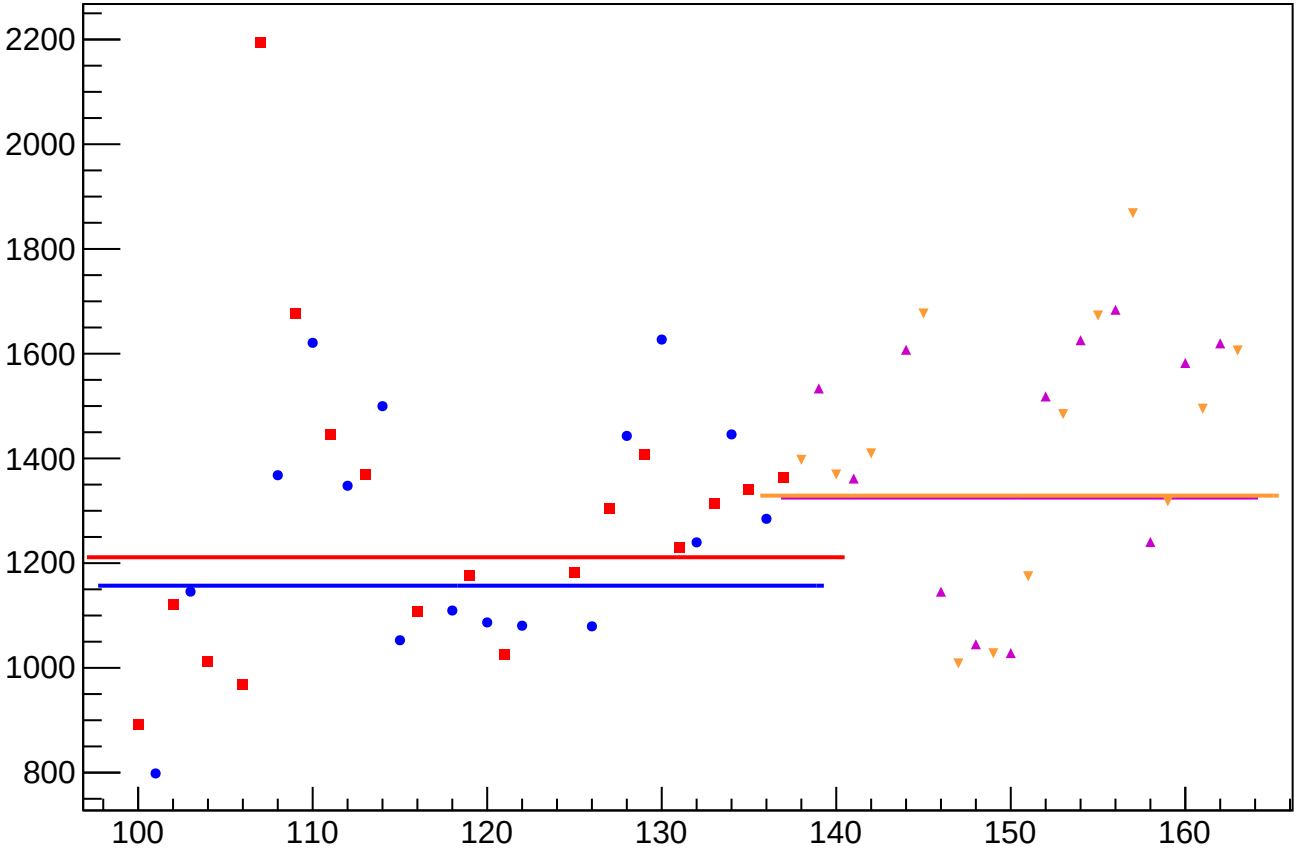
Left In: -270.229+/-420.182 χ^2/NDF:6.7/11

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -154.406+/-216.895 χ^2/NDF: 57.0/58

- sign -103.756+/-308.630 χ^2/NDF: 22.3/29

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

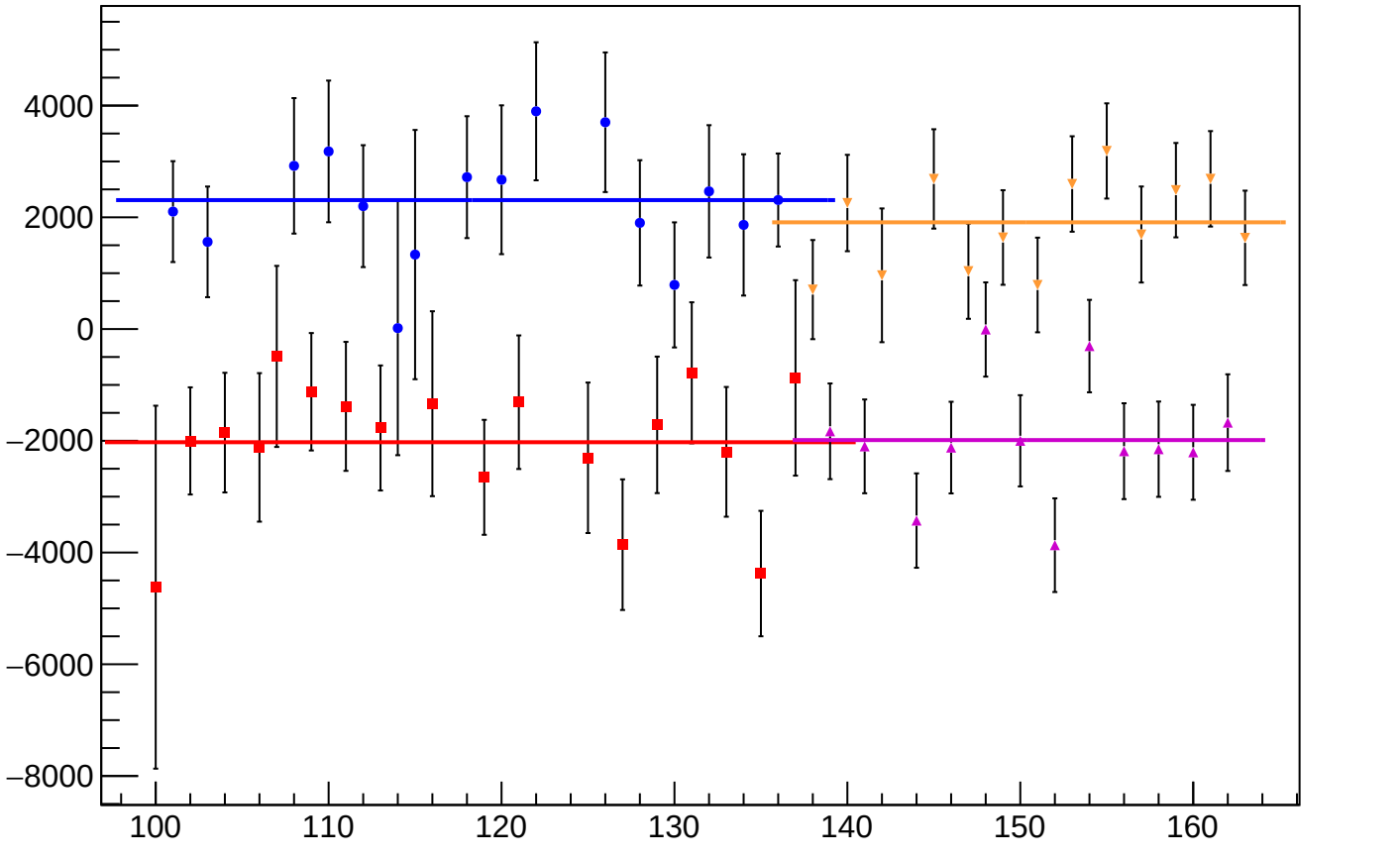
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1325.217+/-0.297 χ^2/NDF:666630.7/11

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1259.539+/-0.153 χ^2/NDF: 2573496.7/58

- sign 1272.743+/-0.218 χ^2/NDF: 1132081.8/29



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

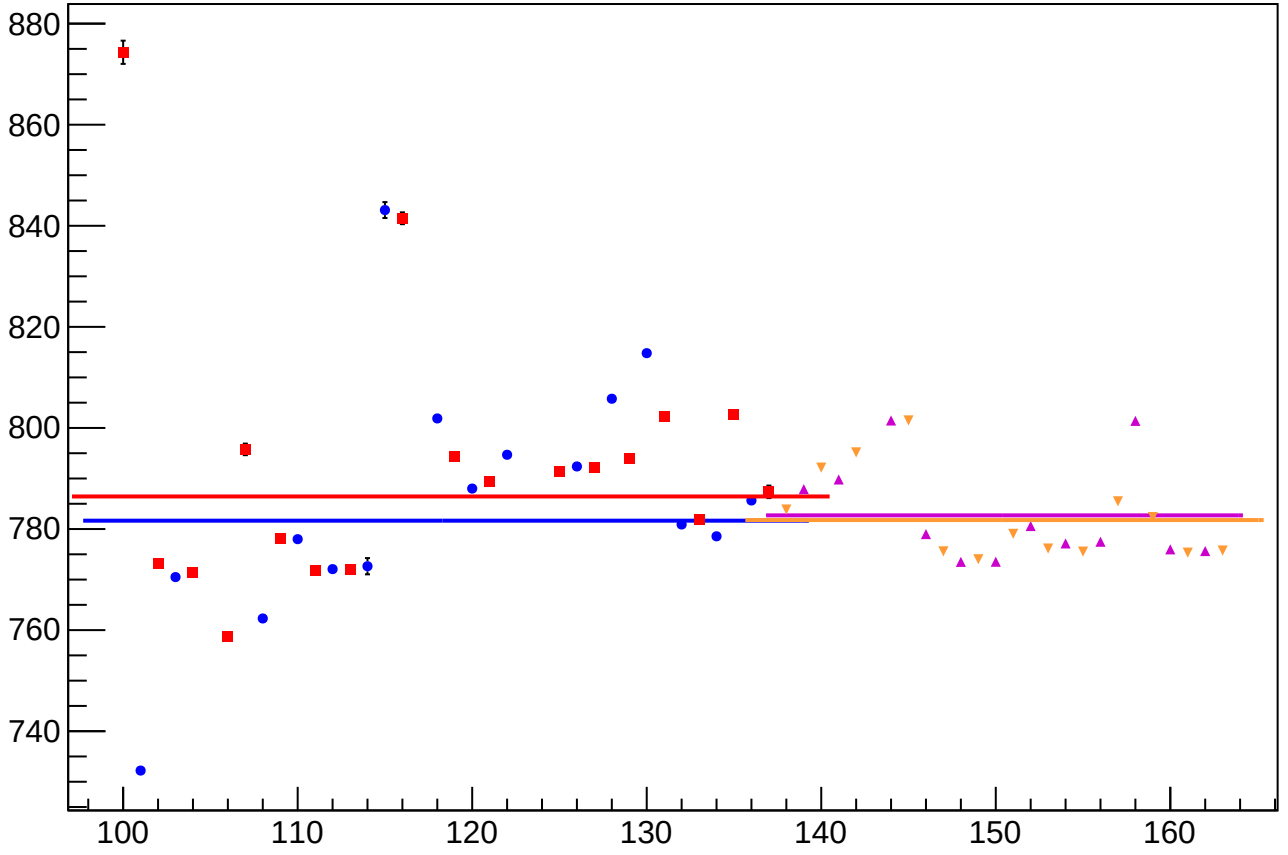
Left In: -1987.326+/-243.155 χ^2/NDF:18.0/11

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 36.993+/-131.660 χ^2/NDF: 289.2/58

- sign -2003.150+/-186.272 χ^2/NDF: 29.9/29

cor_asym_us_avg_rms vs Slug



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

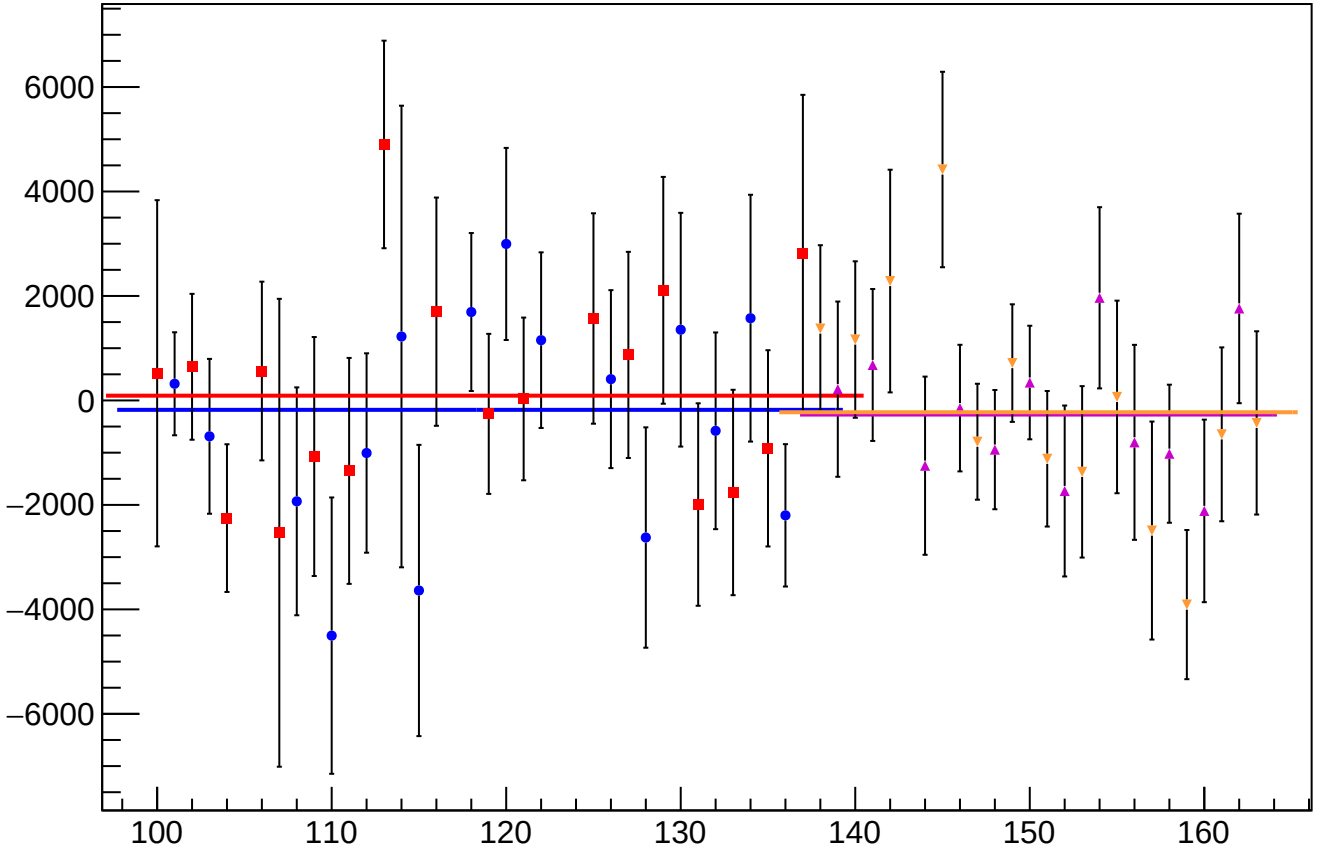
Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58

- sign 784.251+/-0.132 χ^2/NDF: 10527.8/29

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

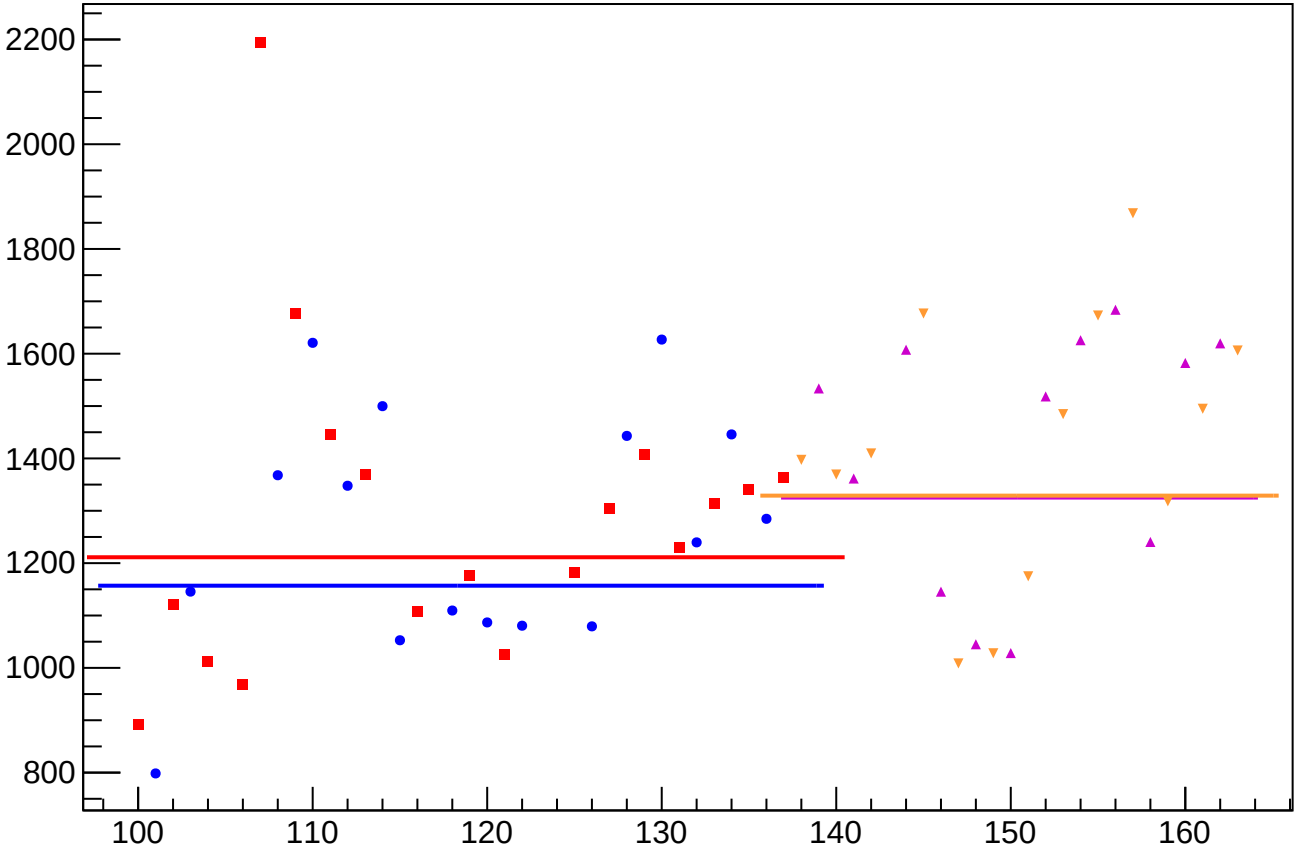
Left In: -270.229+/-420.182 χ^2/NDF:6.7/11

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -154.406+/-216.895 χ^2/NDF: 57.0/58

- sign -103.756+/-308.630 χ^2/NDF: 22.3/29

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

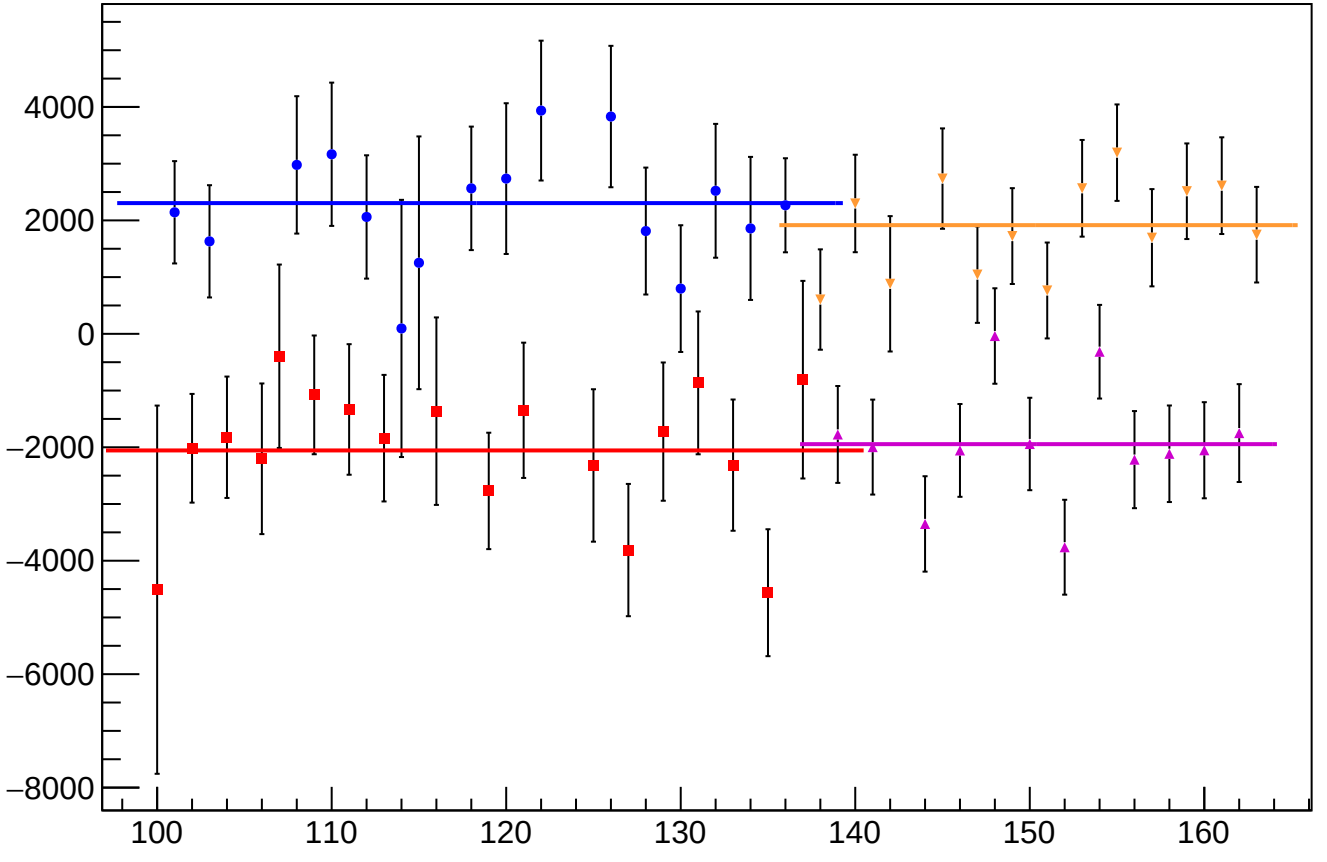
Left In: 1325.217+/-0.297 χ^2/NDF:666630.7/11

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1259.539+/-0.153 χ^2/NDF: 2573496.7/58

- sign 1272.743+/-0.218 χ^2/NDF: 1132081.8/29

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1916.155+/-241.790 χ^2/NDF:11.1/12

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

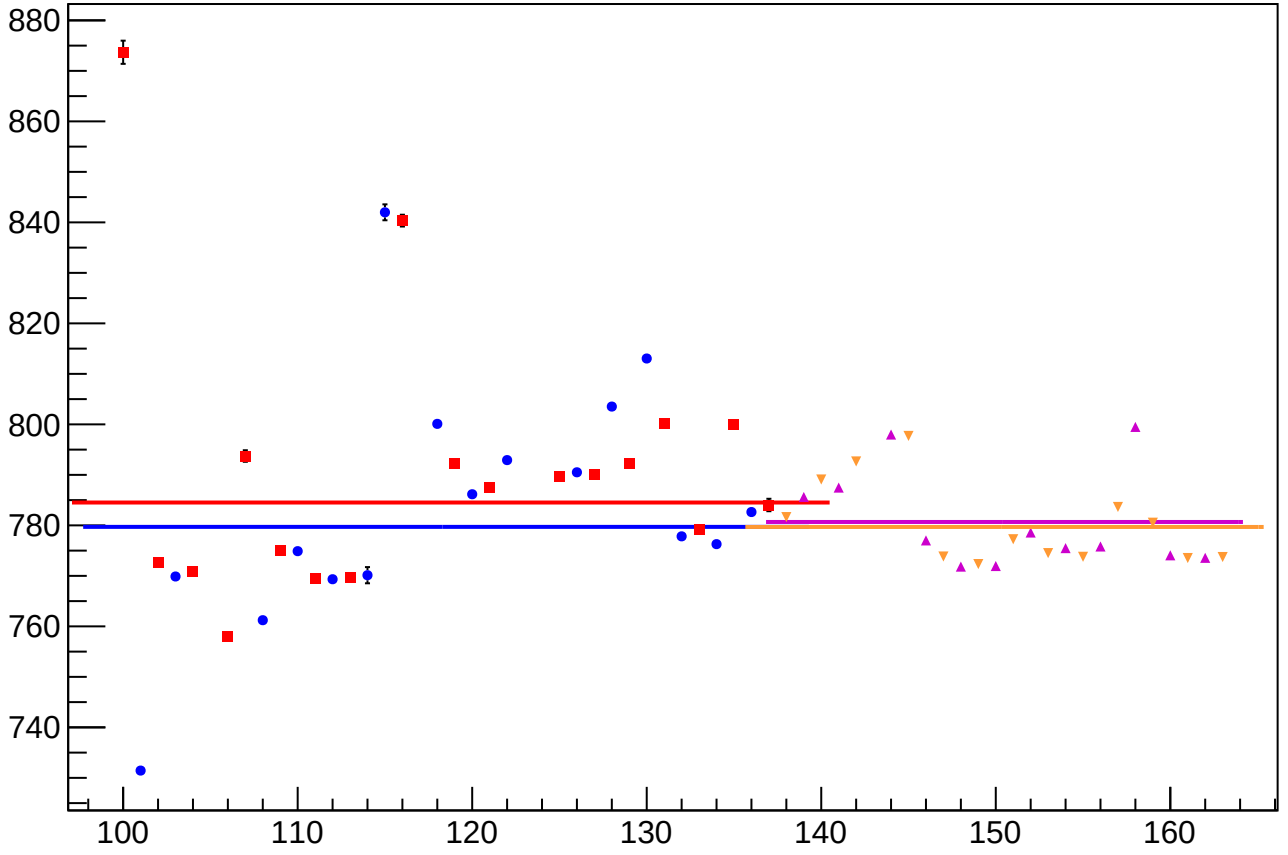
Left In: -1944.802+/-242.522 χ^2/NDF:16.8/11

+ sign 2075.745+/-185.631 χ^2/NDF: 20.2/28

All: 44.412+/-131.320 χ^2/NDF: 289.7/58

- sign -1990.597+/-185.799 χ^2/NDF: 29.8/29

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 779.684+/-0.171 χ^2/NDF:1996.8/12

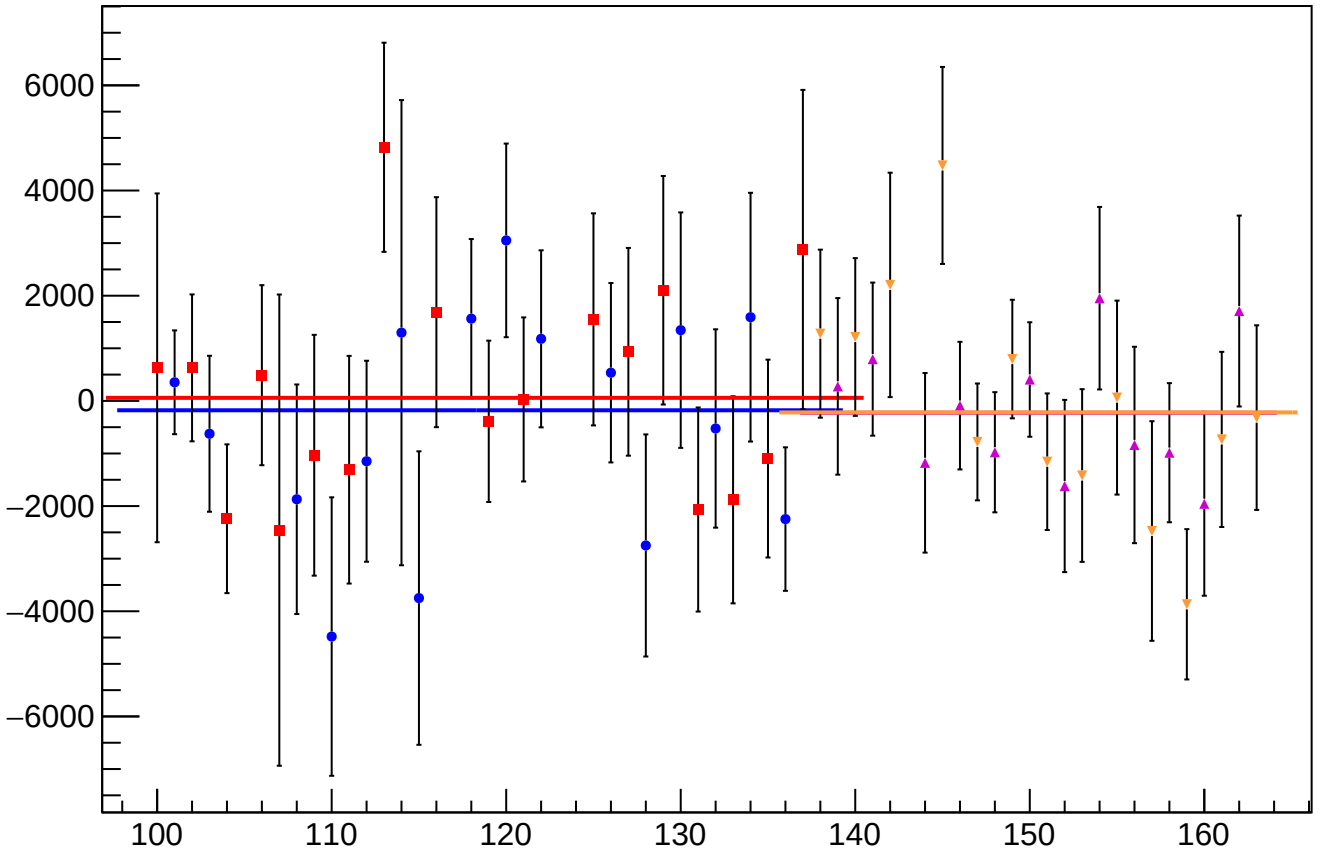
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 780.672+/-0.171 χ^2/NDF:2927.4/11

+ sign 779.692+/-0.131 χ^2/NDF: 14057.0/28

All: 780.976+/-0.093 χ^2/NDF: 24544.7/58

- sign 782.263+/-0.131 χ^2/NDF: 10296.0/29



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

Left Out: -218.951+/-422.561 χ^2/NDF:19.3/12

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

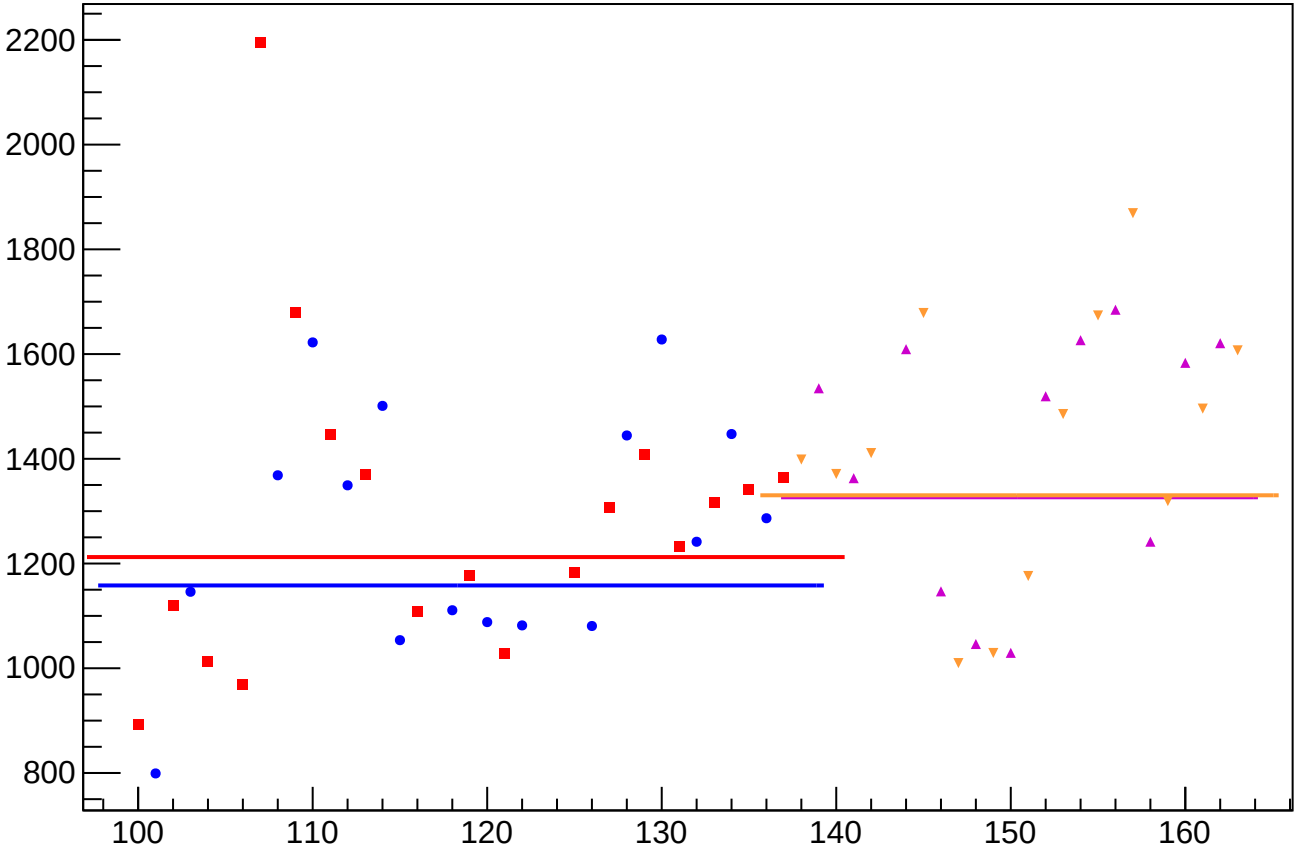
Left In: -225.785+/-420.573 χ^2/NDF:6.5/11

+ sign -199.578+/-305.178 χ^2/NDF: 35.0/28

All: -147.965+/-217.102 χ^2/NDF: 57.1/58

- sign -95.082+/-308.912 χ^2/NDF: 22.0/29

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1330.315+/-0.299 χ^2/NDF:704392.8/12

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

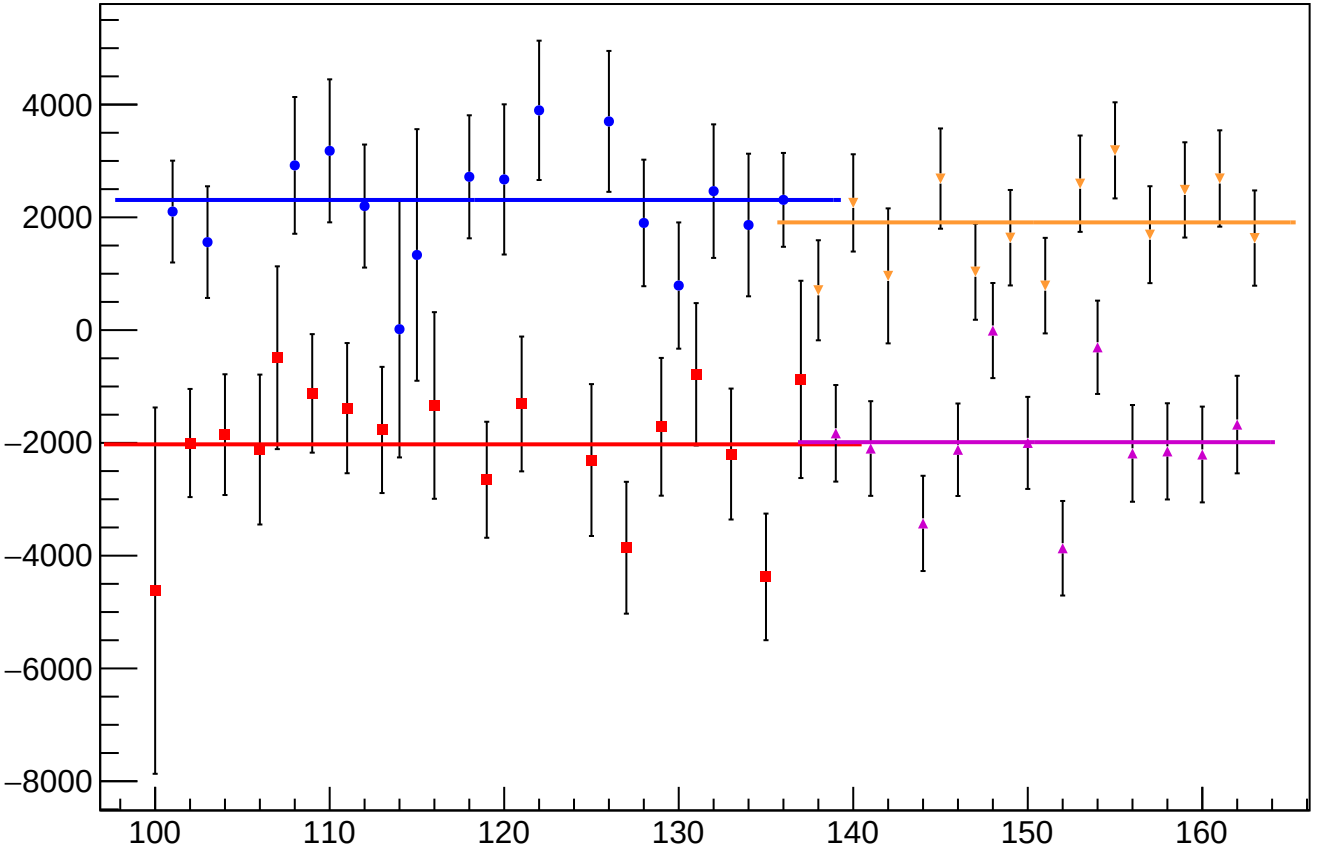
Left In: 1326.512+/-0.297 χ^2/NDF:665052.8/11

+ sign 1247.941+/-0.216 χ^2/NDF: 1432400.7/28

All: 1260.782+/-0.154 χ^2/NDF: 2570425.8/58

- sign 1273.938+/-0.218 χ^2/NDF: 1130856.7/29

eigen_cor_asym_us_avg_mean vs Slug



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

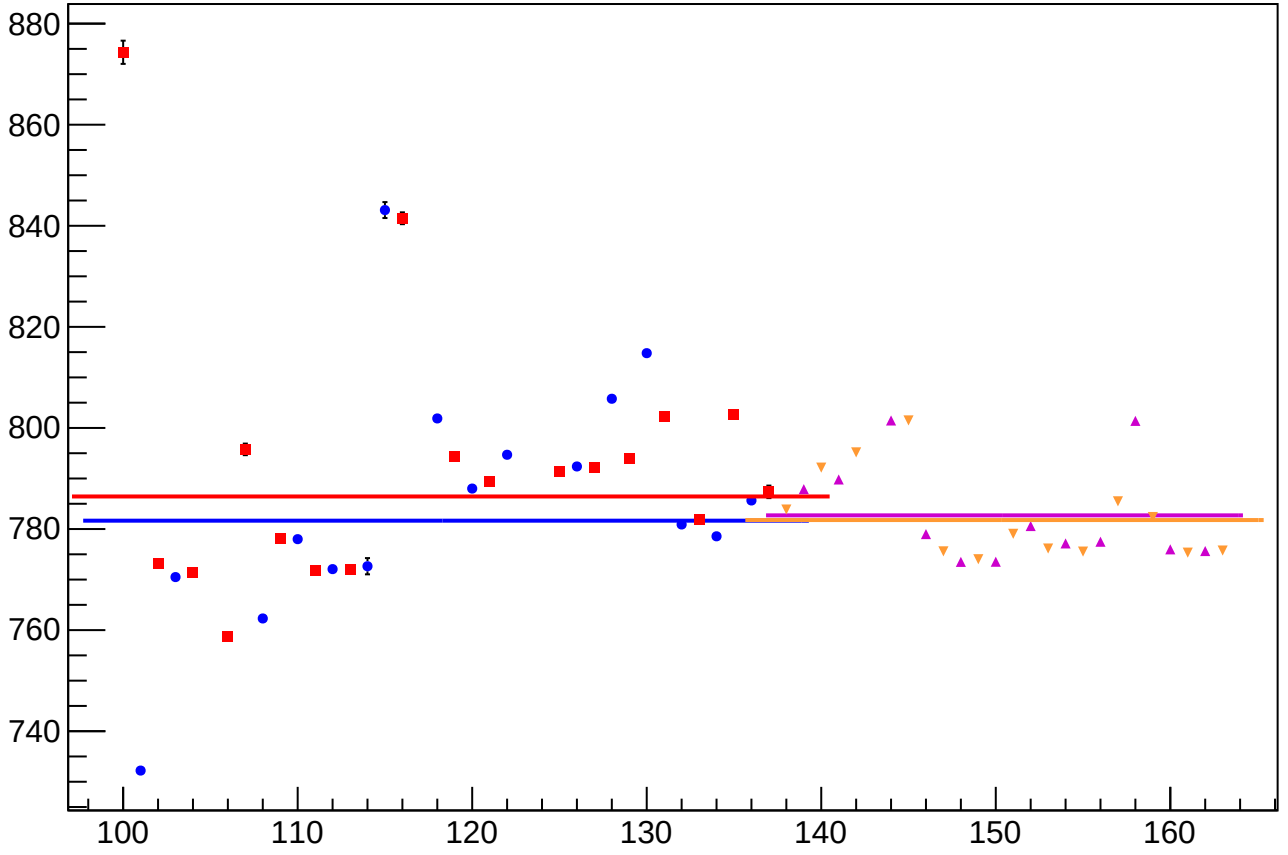
Left In: -1987.326+/-243.155 χ^2/NDF:18.0/11

+ sign 2073.767+/-186.118 χ^2/NDF: 19.6/28

All: 36.993+/-131.660 χ^2/NDF: 289.2/58

- sign -2003.150+/-186.272 χ^2/NDF: 29.9/29

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

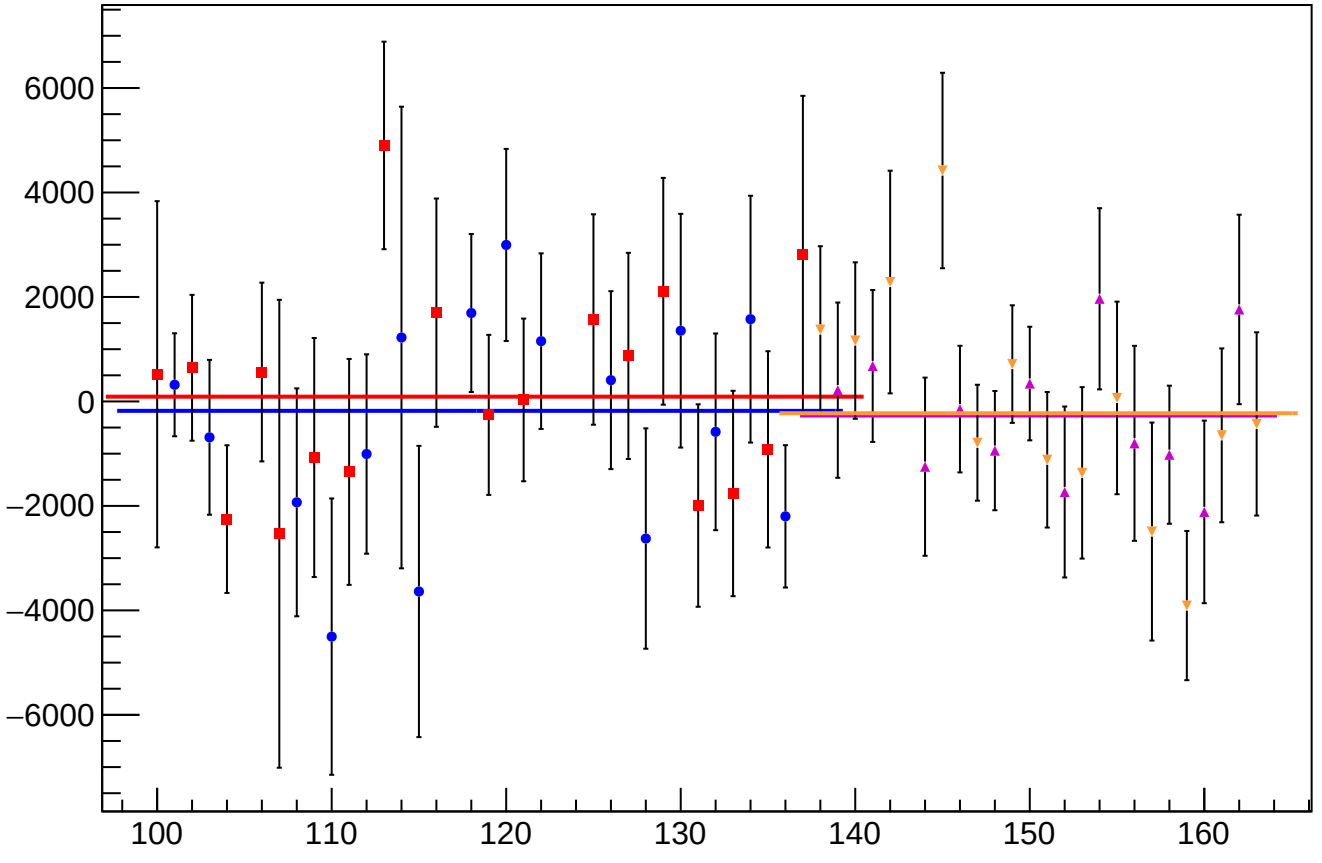
Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

+ sign 781.726+/-0.132 χ^2/NDF: 14594.7/28

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58

- sign 784.251+/-0.132 χ^2/NDF: 10527.8/29

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

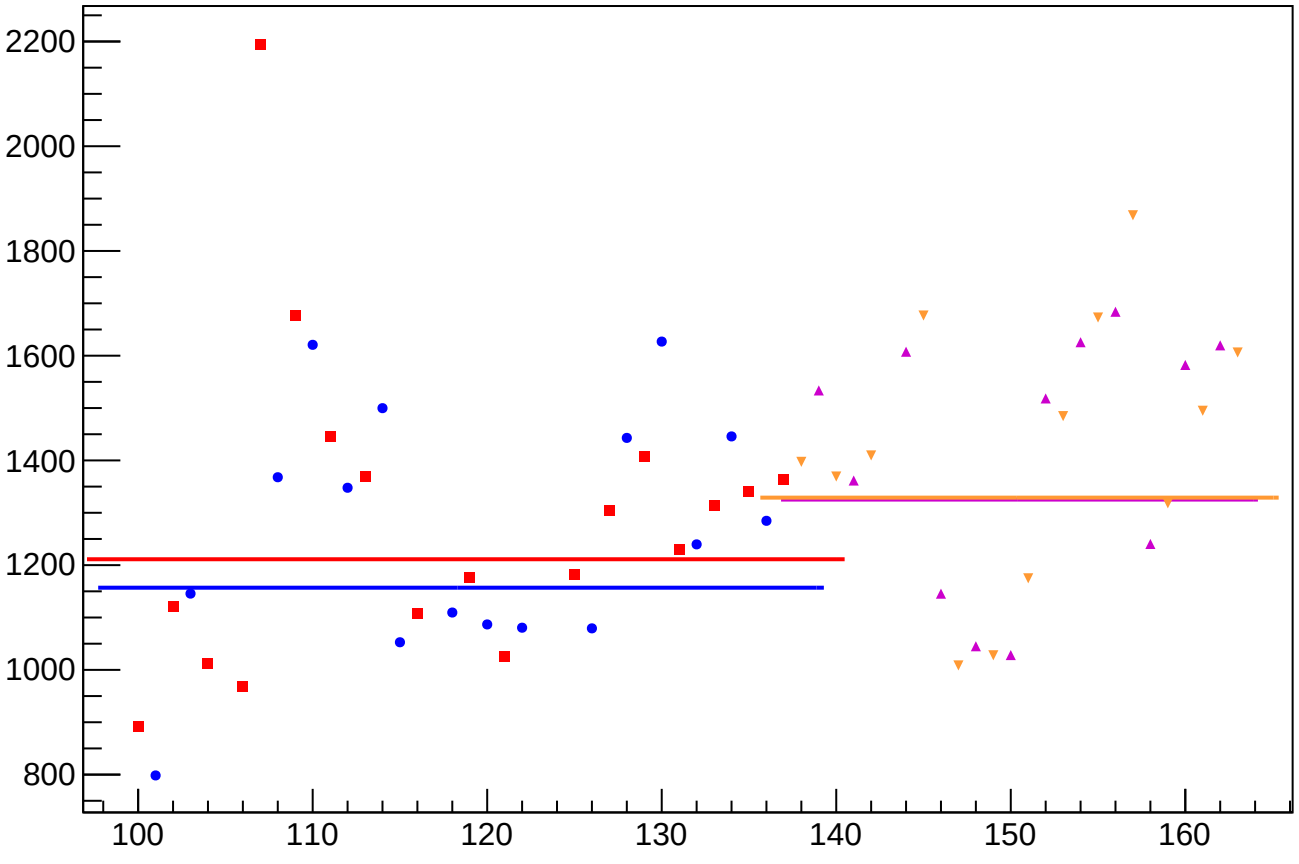
Right Out: 91.288+/-454.811 χ^2/NDF: 15.2/17

Left In: -270.229+/-420.182 χ^2/NDF:6.7/11

+ sign -203.832+/-304.875 χ^2/NDF: 34.7/28

All: -154.406+/-216.895 χ^2/NDF: 57.0/58

- sign -103.756+/-308.630 χ^2/NDF: 22.3/29



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

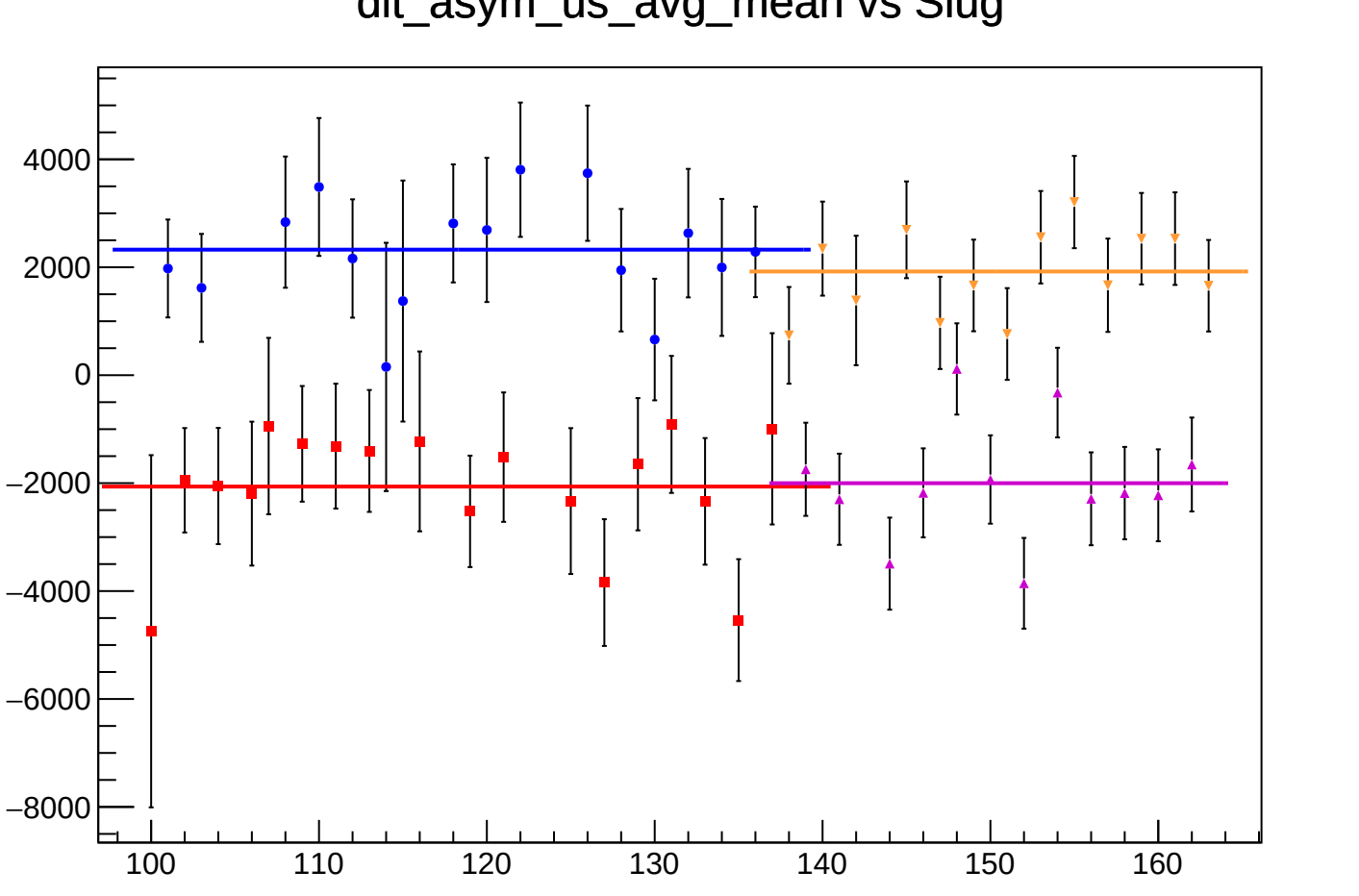
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1325.217+/-0.297 χ^2/NDF:666630.7/11

+ sign 1246.653+/-0.216 χ^2/NDF: 1434181.3/28

All: 1259.539+/-0.153 χ^2/NDF: 2573496.7/58

- sign 1272.743+/-0.218 χ^2/NDF: 1132081.8/29



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

Left Out: 1921.768+/-243.612 χ^2/NDF:10.1/12

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

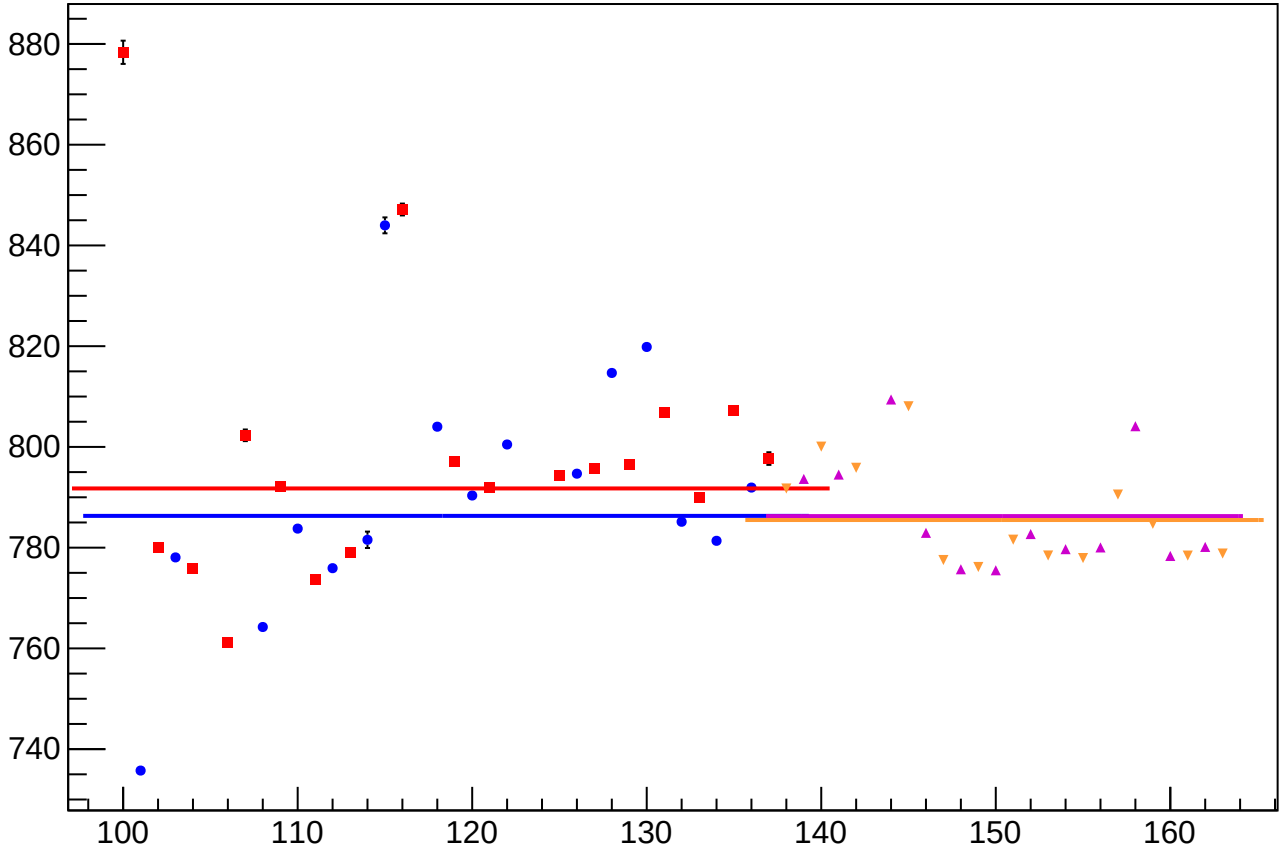
Left In: -2001.337+/-244.275 χ^2/NDF:18.9/11

+ sign 2087.720+/-187.106 χ^2/NDF: 19.4/28

All: 32.462+/-132.374 χ^2/NDF: 291.6/58

- sign -2027.148+/-187.304 χ^2/NDF: 30.6/29

dit_asym_us_avg_rms vs Slug



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

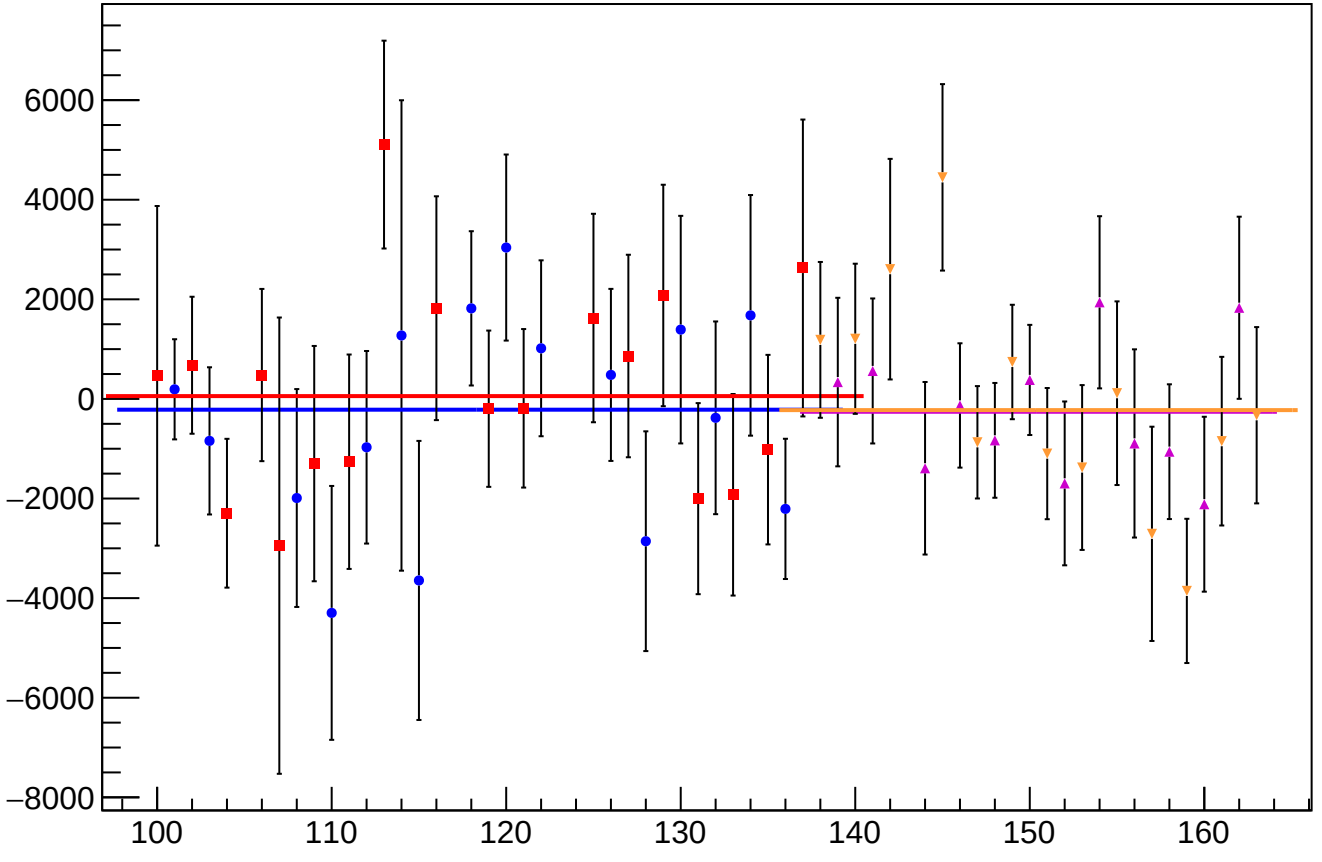
Left In: 786.268+/-0.173 χ^2/NDF:3905.2/11

+ sign 785.824+/-0.132 χ^2/NDF: 15730.8/28

All: 787.175+/-0.094 χ^2/NDF: 27275.9/58

- sign 788.529+/-0.132 χ^2/NDF: 11336.4/29

asym_us_avg_dit_correction_mean vs Slug



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

Left Out: -224.785+/-427.291 χ^2/NDF:19.3/12

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

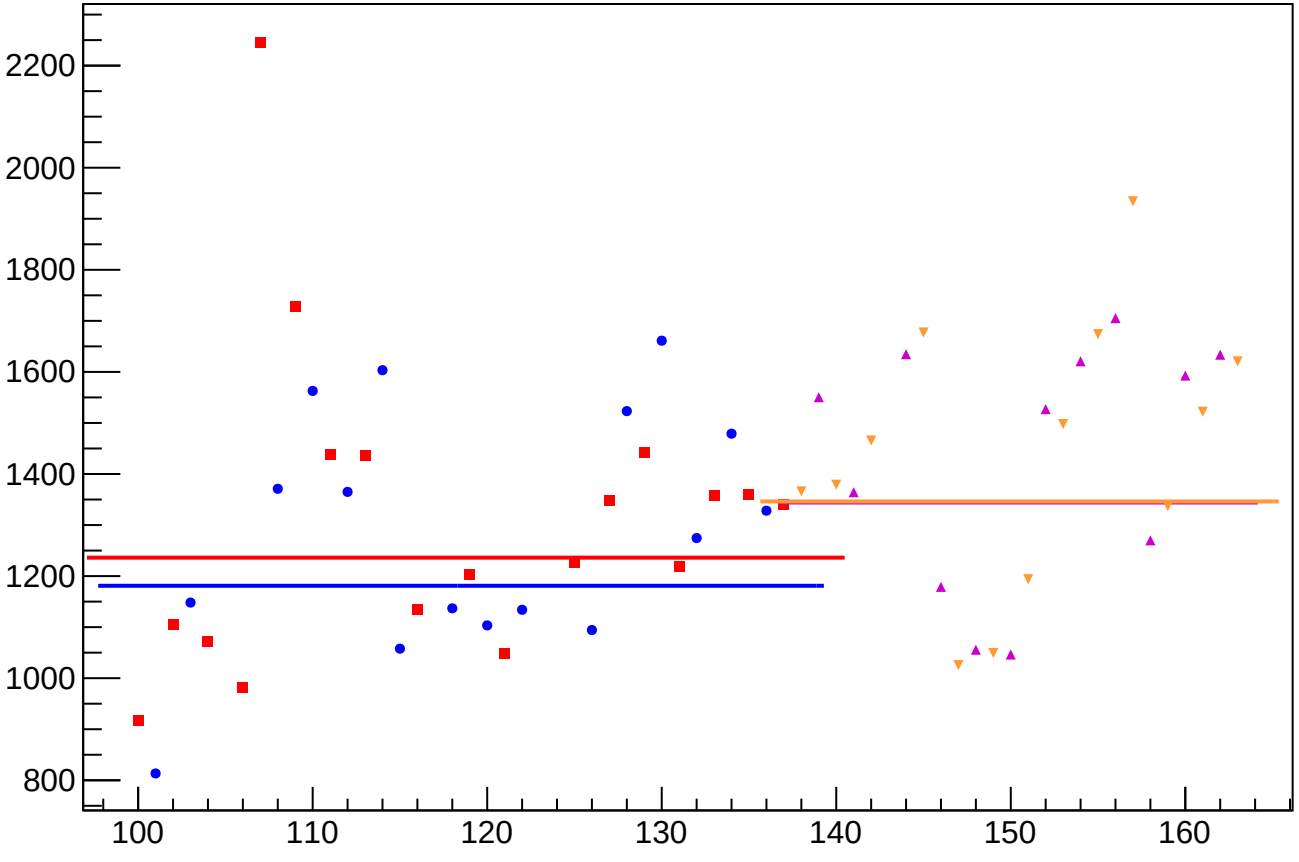
Left In: -257.950+/-425.628 χ^2/NDF:6.7/11

\+ sign -220.702+/-309.706 χ^2/NDF: 34.6/28

All: -168.088+/-220.376 χ^2/NDF: 56.8/58

\- sign -114.125+/-313.648 χ^2/NDF: 22.1/29

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1346.244+/-0.302 χ^2/NDF:690479.8/12

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

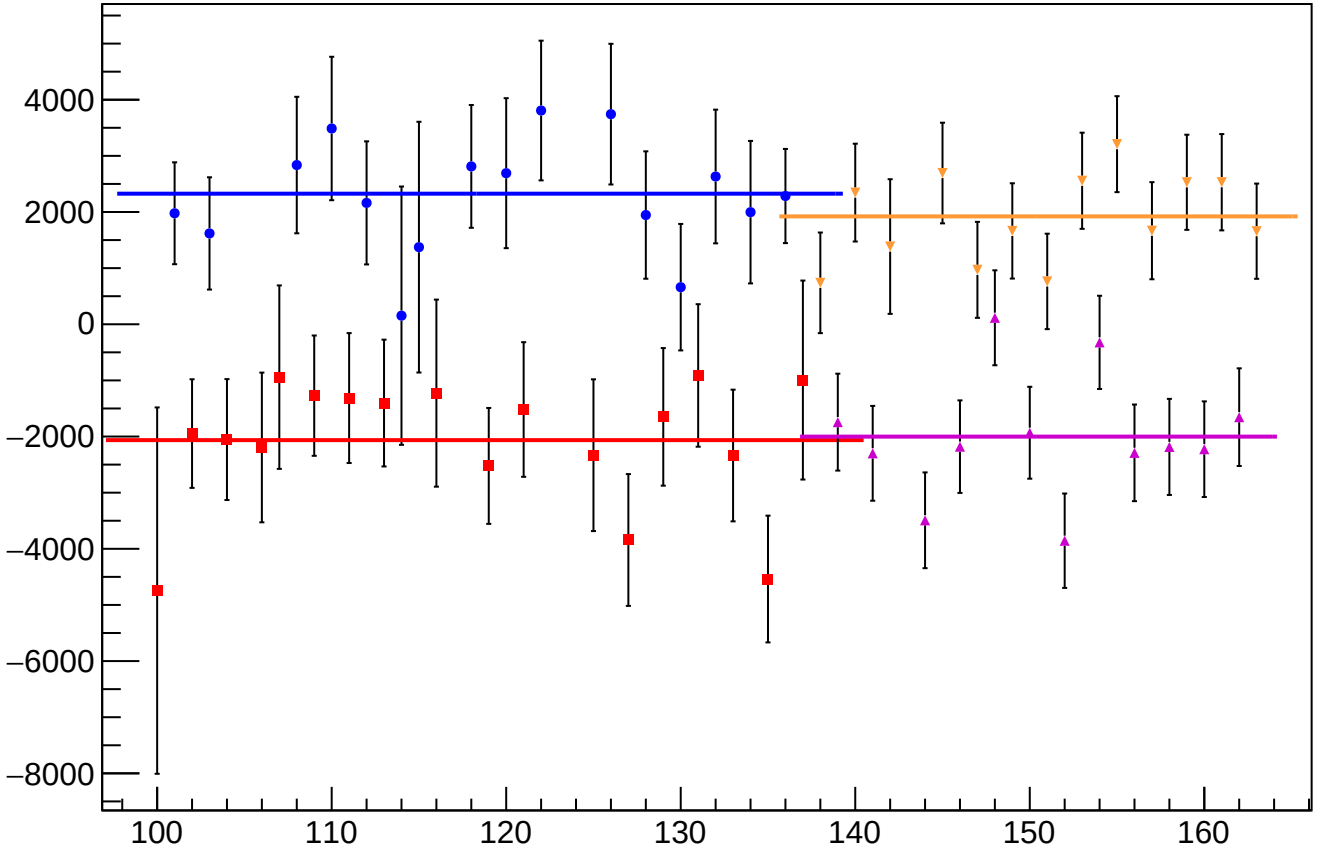
Left In: 1344.153+/-0.301 χ^2/NDF:636945.1/11

+ sign 1267.811+/-0.219 χ^2/NDF: 1403563.0/28

All: 1281.130+/-0.156 χ^2/NDF: 2504108.1/58

- sign 1294.791+/-0.222 χ^2/NDF: 1093051.6/29

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1921.764+/-243.612 χ^2/NDF:10.1/12

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

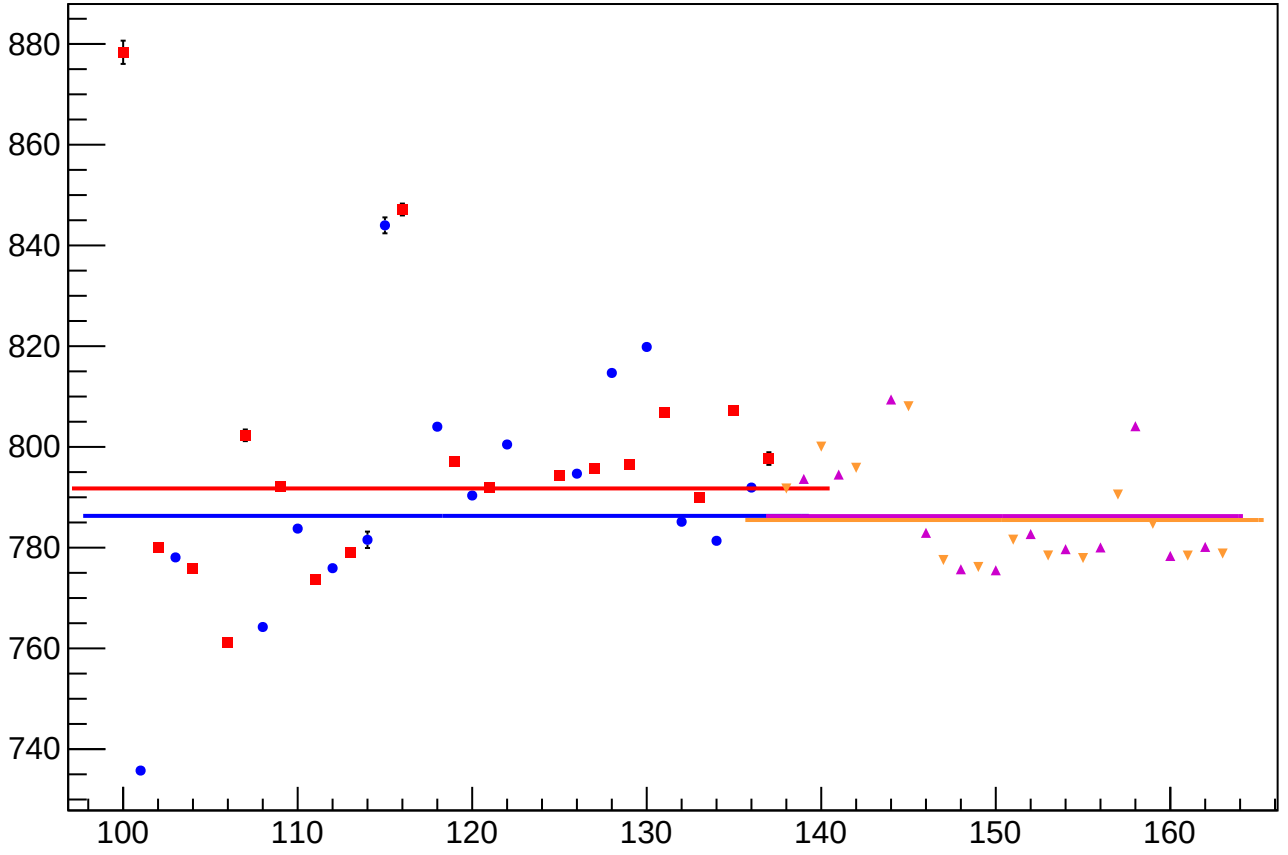
Left In: -2001.339+/-244.275 χ^2/NDF:18.9/11

+ sign 2087.717+/-187.106 χ^2/NDF: 19.4/28

All: 32.461+/-132.374 χ^2/NDF: 291.6/58

- sign -2027.148+/-187.304 χ^2/NDF: 30.6/29

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

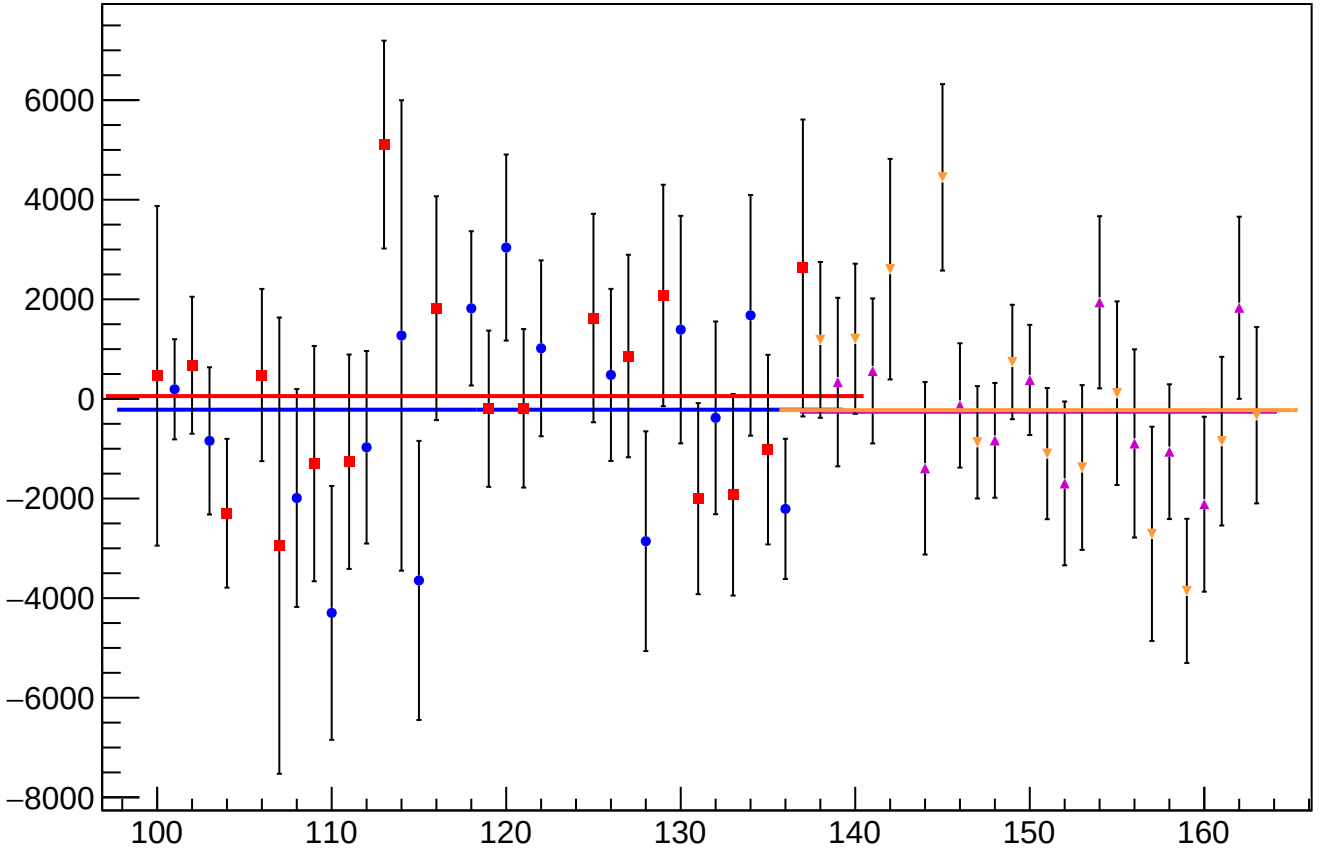
Left In: 786.268+/-0.173 χ^2/NDF:3905.2/11

+ sign 785.824+/-0.132 χ^2/NDF: 15730.7/28

All: 787.175+/-0.094 χ^2/NDF: 27275.8/58

- sign 788.529+/-0.132 χ^2/NDF: 11336.3/29

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: -224.789+/-427.292 χ^2/NDF:19.3/12

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

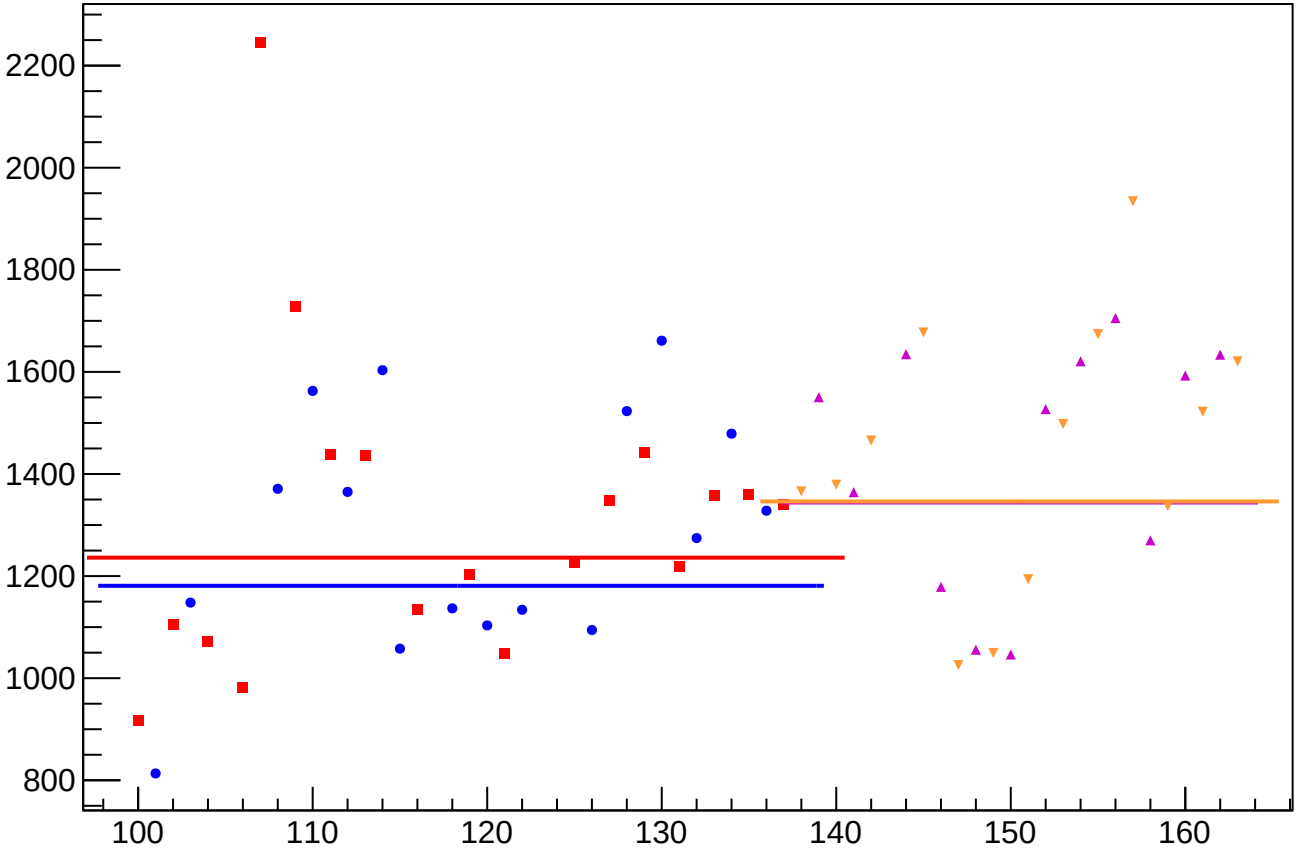
Left In: -257.951+/-425.629 χ^2/NDF:6.7/11

+ sign -220.704+/-309.706 χ^2/NDF: 34.6/28

All: -168.089+/-220.376 χ^2/NDF: 56.8/58

- sign -114.126+/-313.648 χ^2/NDF: 22.1/29

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1346.246+/-0.302 χ^2/NDF:690481.9/12

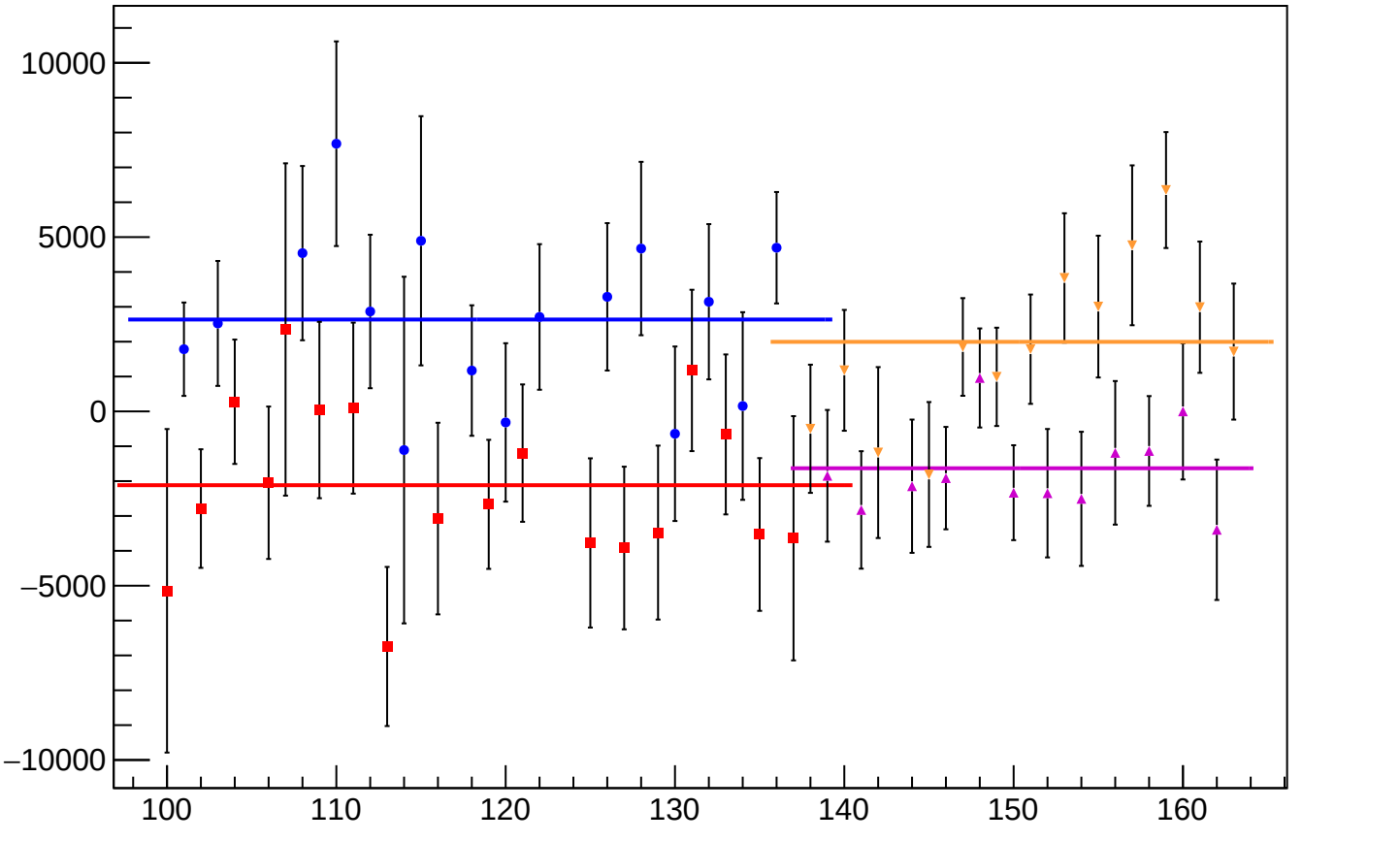
Right Out: 1236.131+/-0.328 χ^2/NDF: 397240.7/17

Left In: 1344.155+/-0.301 χ^2/NDF:636946.2/11

+ sign 1267.810+/-0.219 χ^2/NDF: 1403572.5/28

All: 1281.130+/-0.156 χ^2/NDF: 2504123.9/58

- sign 1294.791+/-0.222 χ^2/NDF: 1093057.8/29



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

Left Out: 1995.156+/-495.402 χ^2/NDF:17.5/12

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

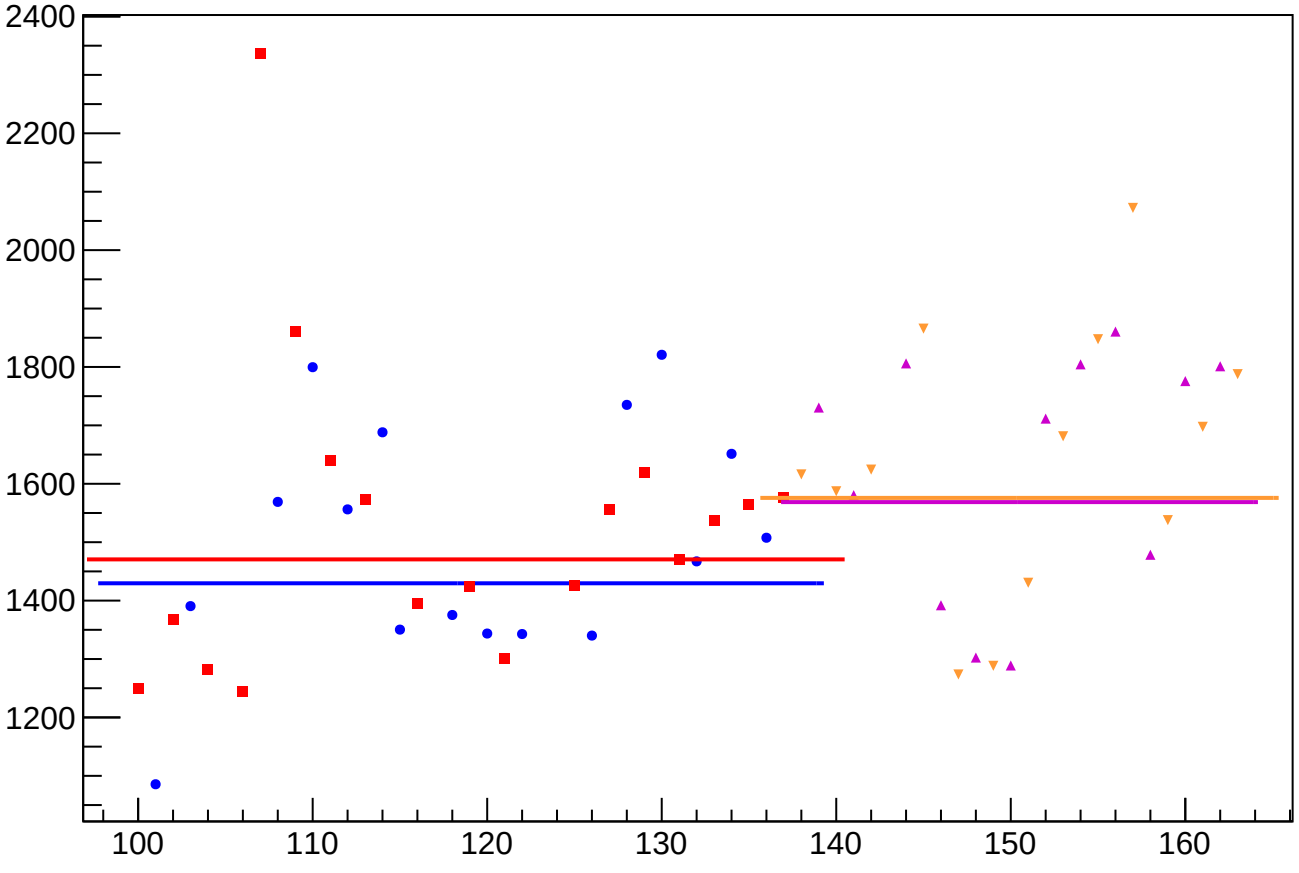
Left In: -1631.222+/-492.867 χ^2/NDF:6.2/11

+ sign 2288.910+/-364.443 χ^2/NDF: 30.5/28

All: 230.600+/-258.355 χ^2/NDF: 115.0/58

- sign -1848.751+/-366.301 χ^2/NDF: 20.3/29

asym_us_avg_rms vs Slug



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

Left Out: 1575.848+/-0.350 χ^2/NDF:403011.1/12

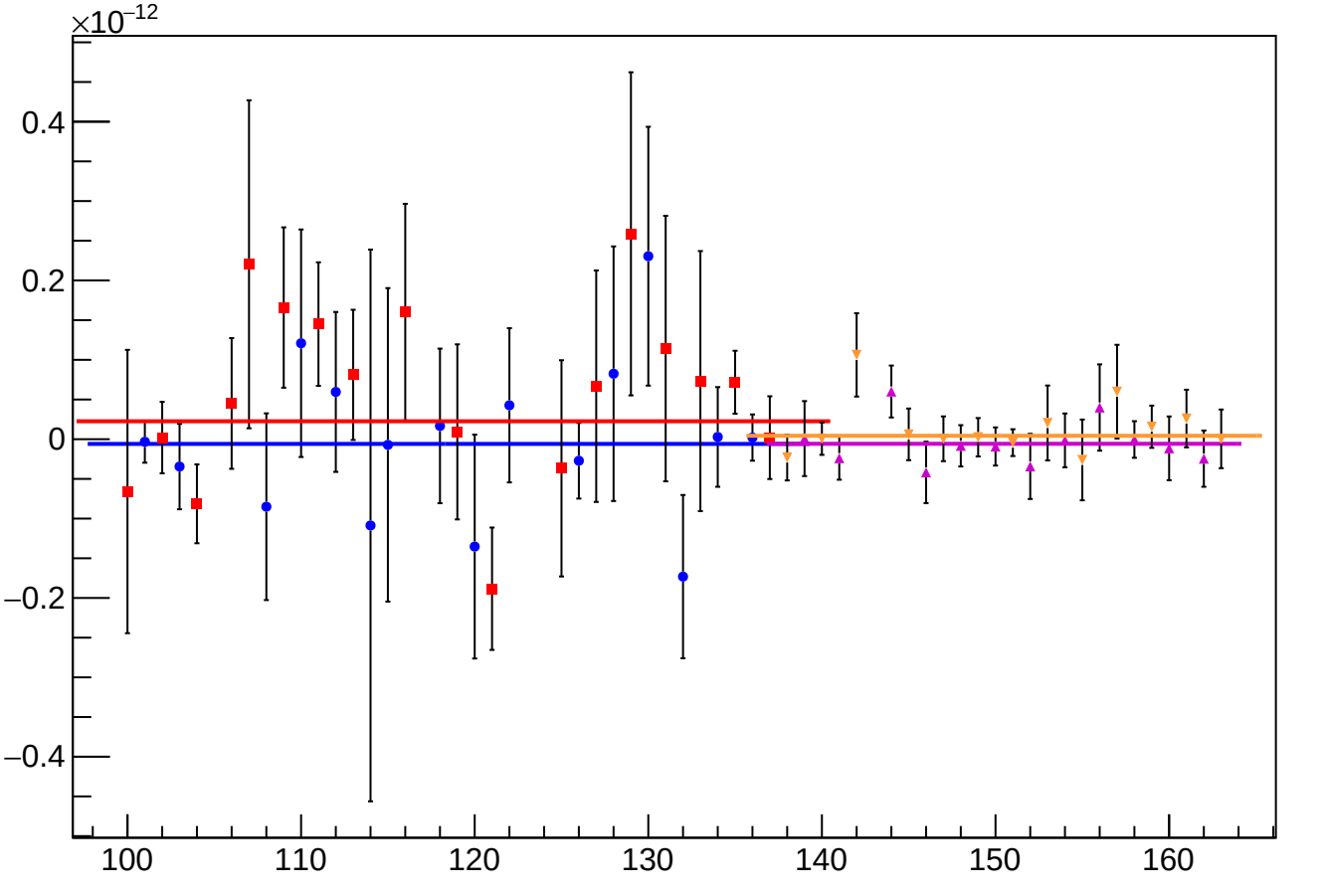
Right Out: 1470.565+/-0.387 χ^2/NDF: 218067.5/17

Left In: 1568.640+/-0.349 χ^2/NDF:367078.0/11

+ sign 1508.772+/-0.258 χ^2/NDF: 776312.4/28

All: 1516.714+/-0.183 χ^2/NDF: 1398817.5/58

- sign 1524.737+/-0.259 χ^2/NDF: 620595.9/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/12

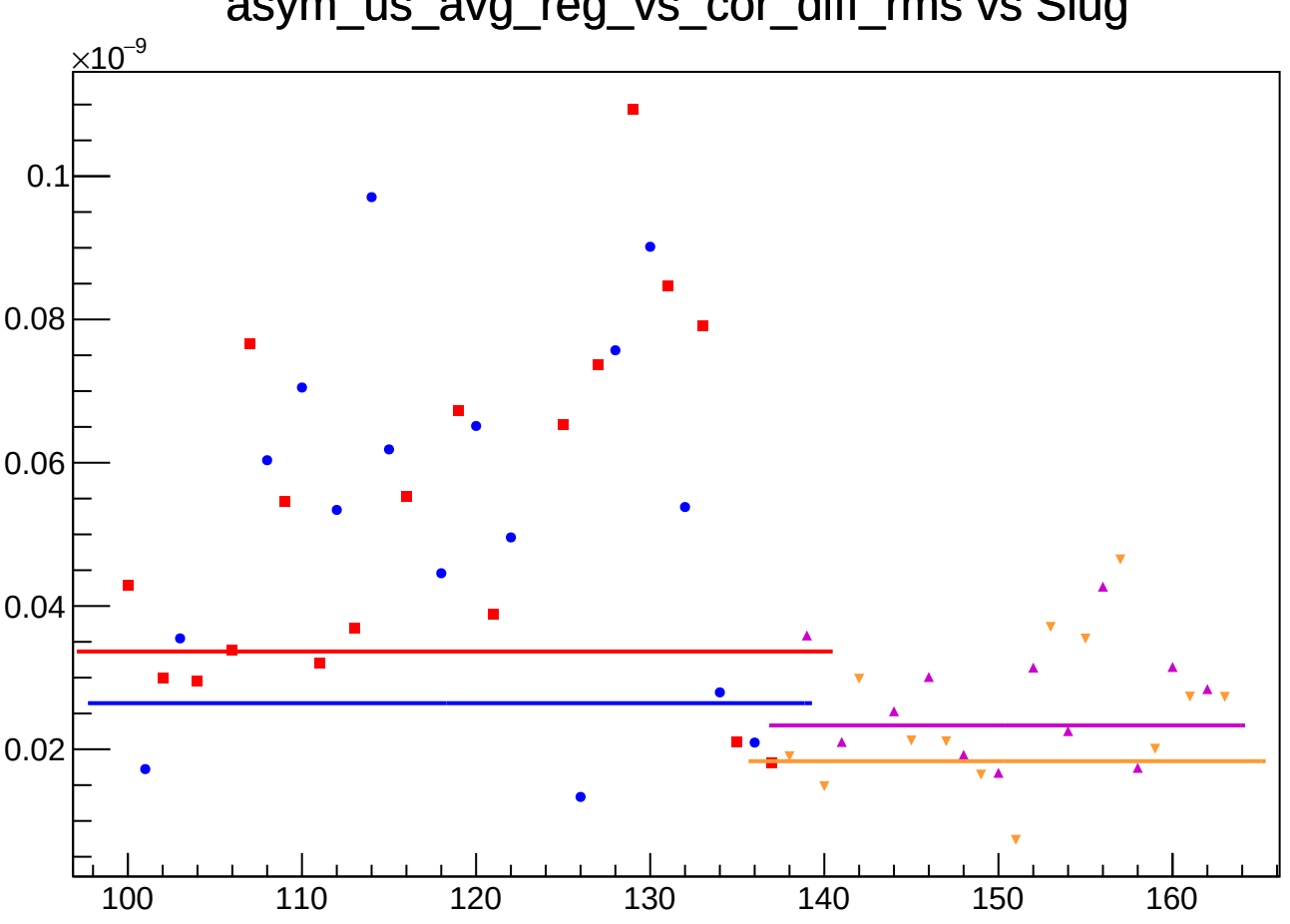
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 15.8/28

All: 0.000+/-0.000 χ^2/NDF: 47.8/58

- sign 0.000+/-0.000 χ^2/NDF: 32.0/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:2297093.4/12

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

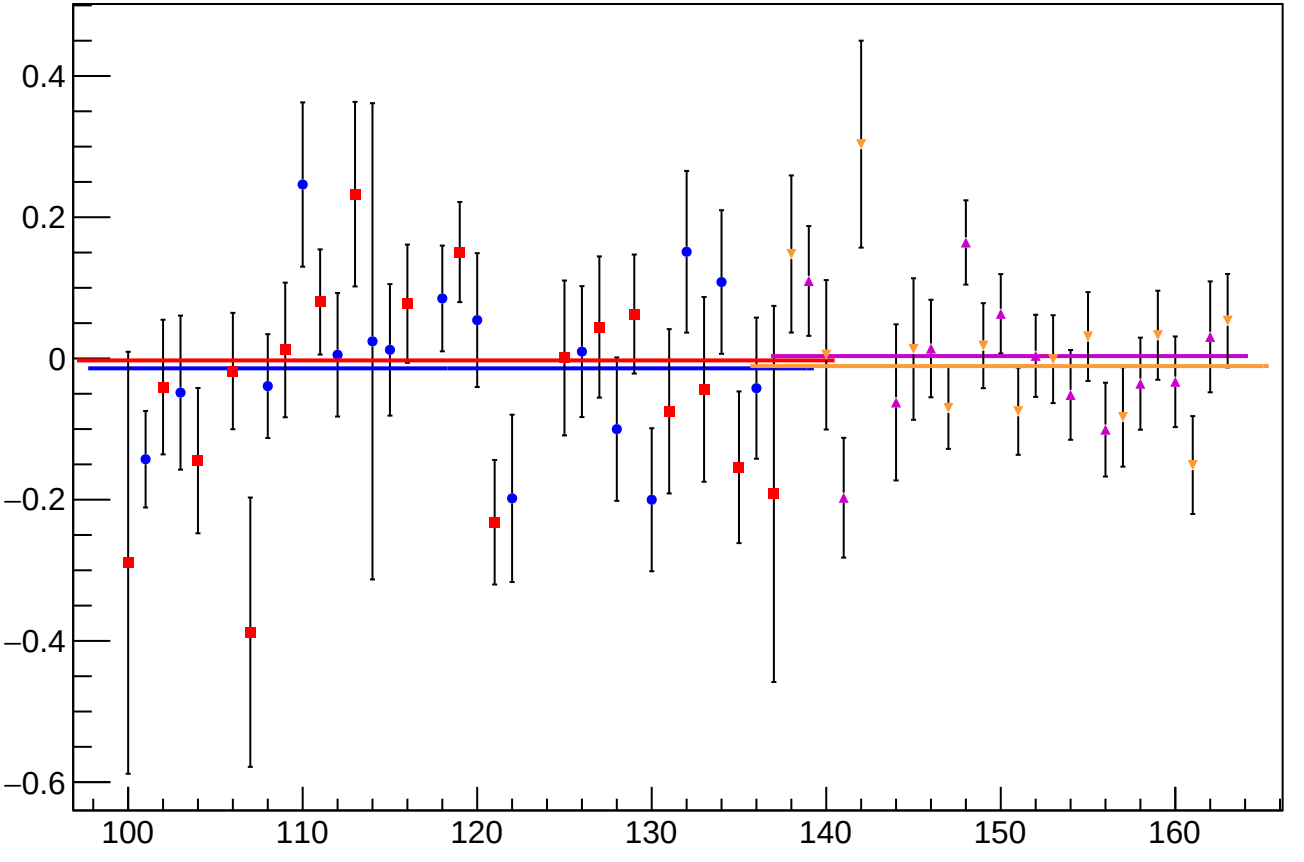
Left In: 0.000+/-0.000 χ^2/NDF:1013487.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 4879667.5/28

All: 0.000+/-0.000 χ^2/NDF: 8596468.9/58

- sign 0.000+/-0.000 χ^2/NDF: 3237254.0/29

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

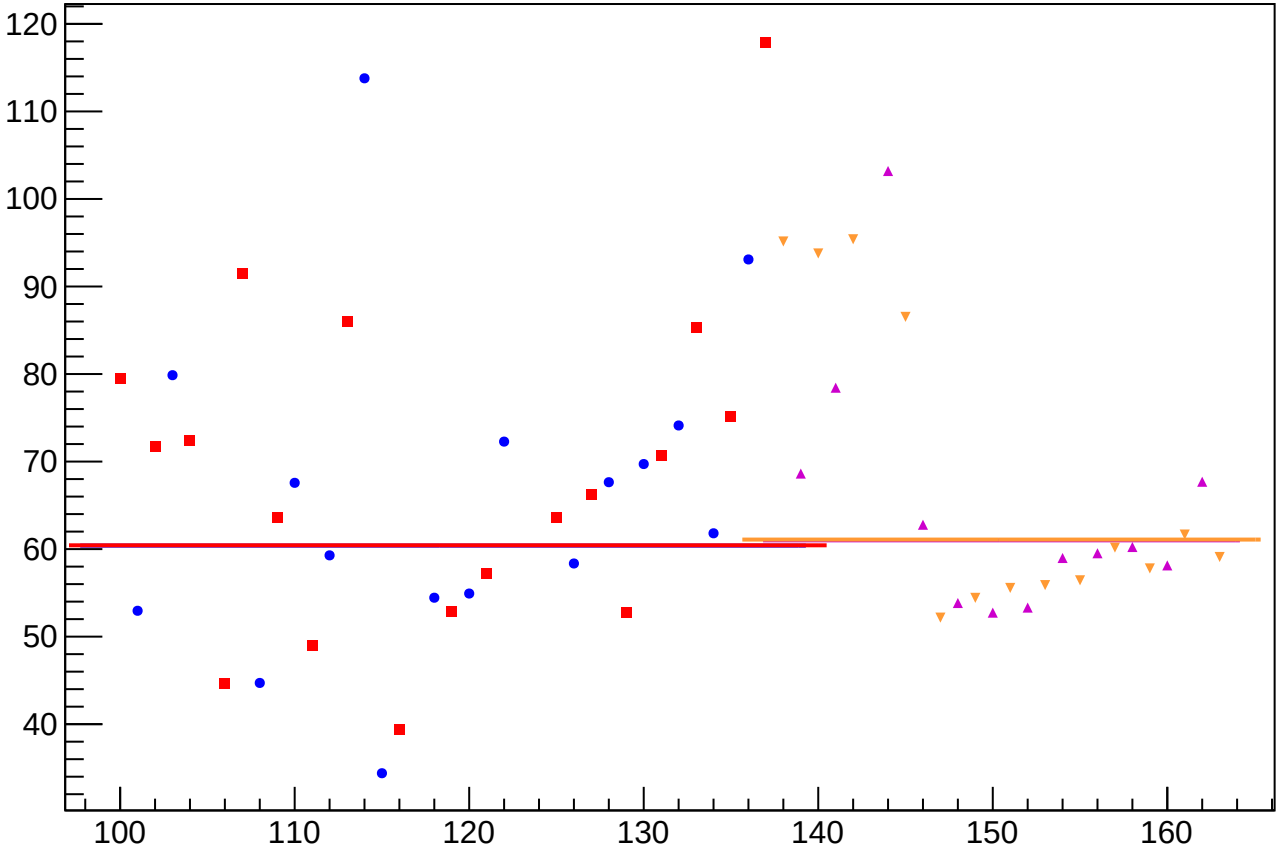
Left In: 0.003+/-0.020 χ^2/NDF:20.3/11

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 85.9/58

- sign 0.001+/-0.015 χ^2/NDF: 48.0/29

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

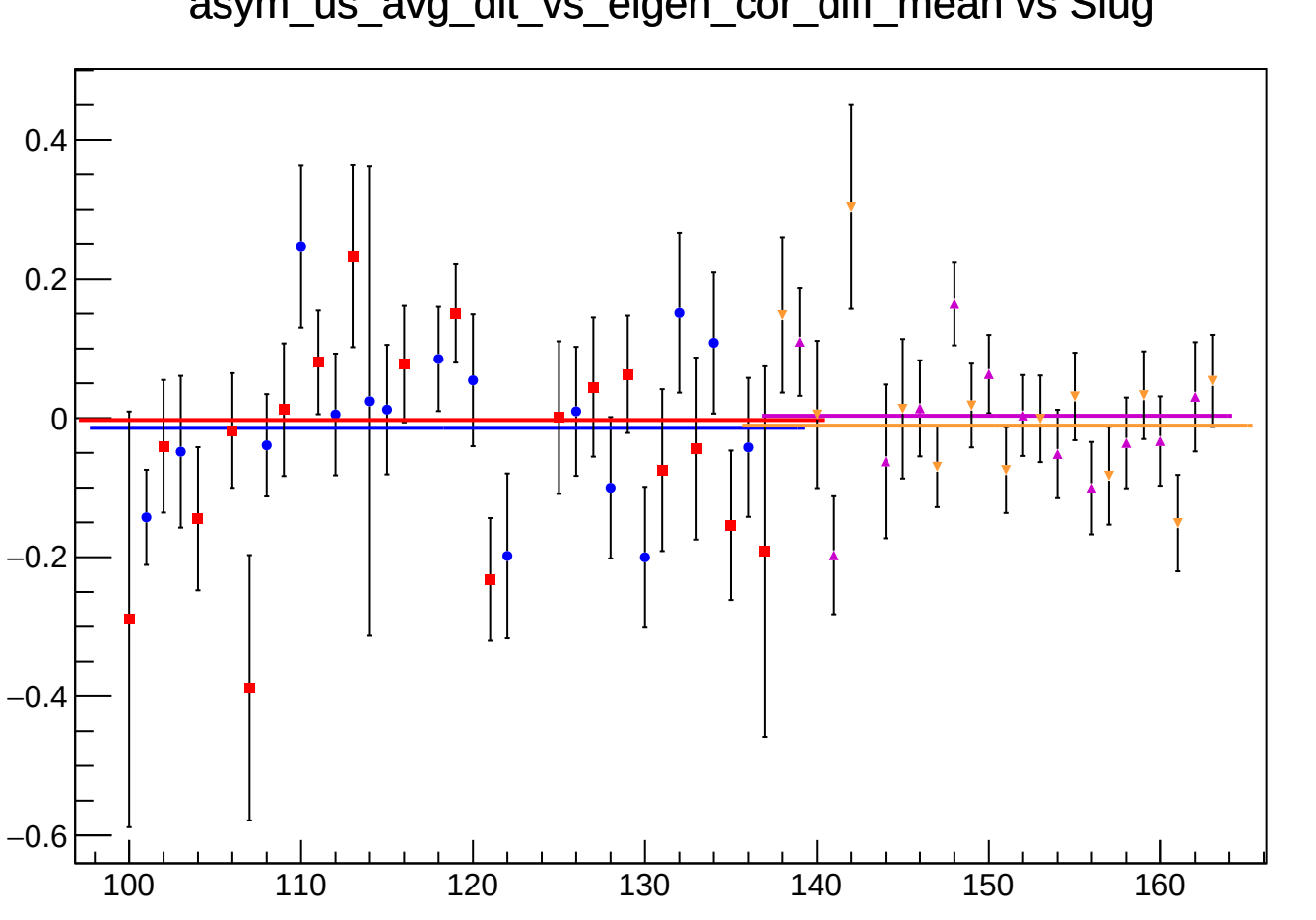
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.001+/-0.014 χ^2/NDF:525188.2/11

+ sign 60.808+/-0.011 χ^2/NDF: 1441194.0/28

All: 60.790+/-0.008 χ^2/NDF: 2678158.5/58

- sign 60.772+/-0.011 χ^2/NDF: 1236959.1/29



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

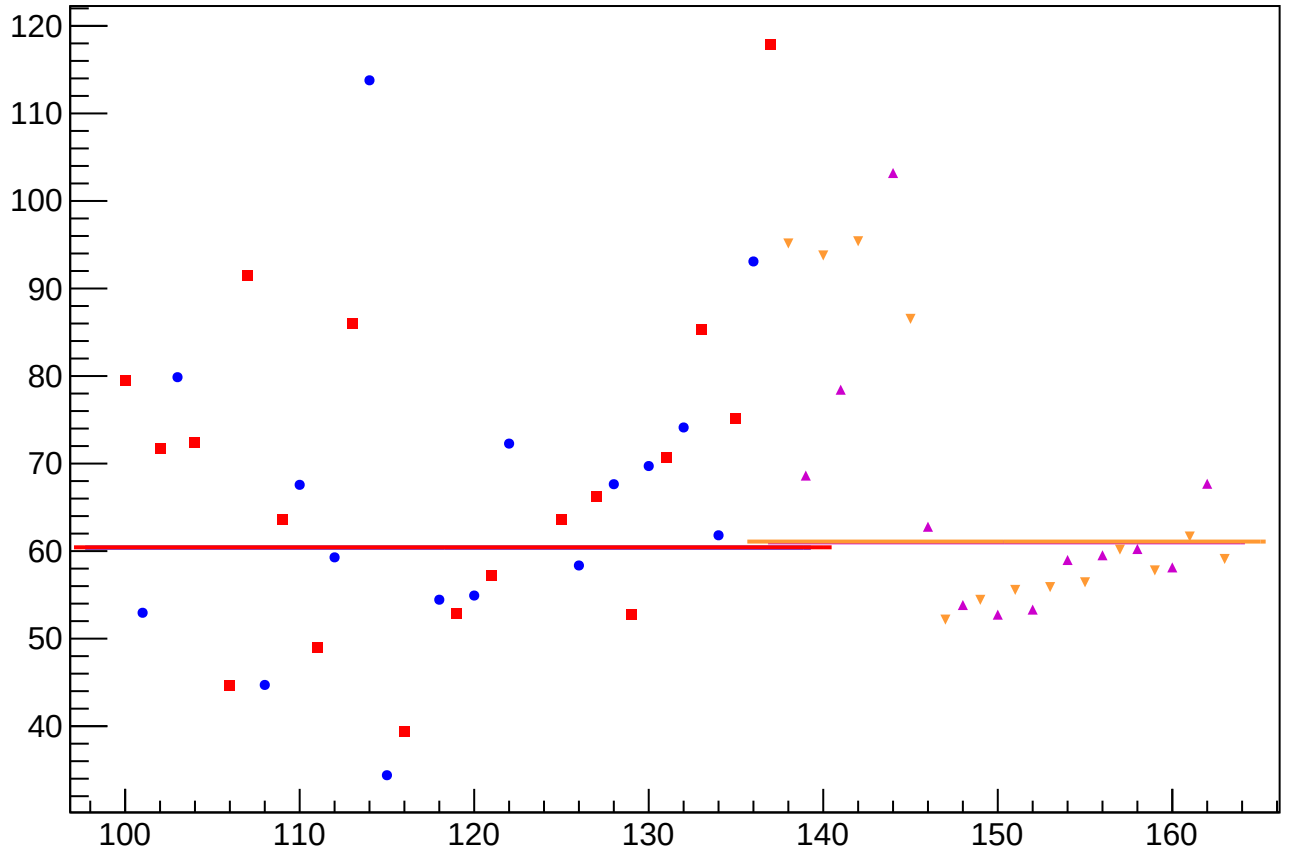
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.003+/-0.020 χ^2/NDF:20.3/11

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 85.9/58

- sign 0.001+/-0.015 χ^2/NDF: 48.0/29



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

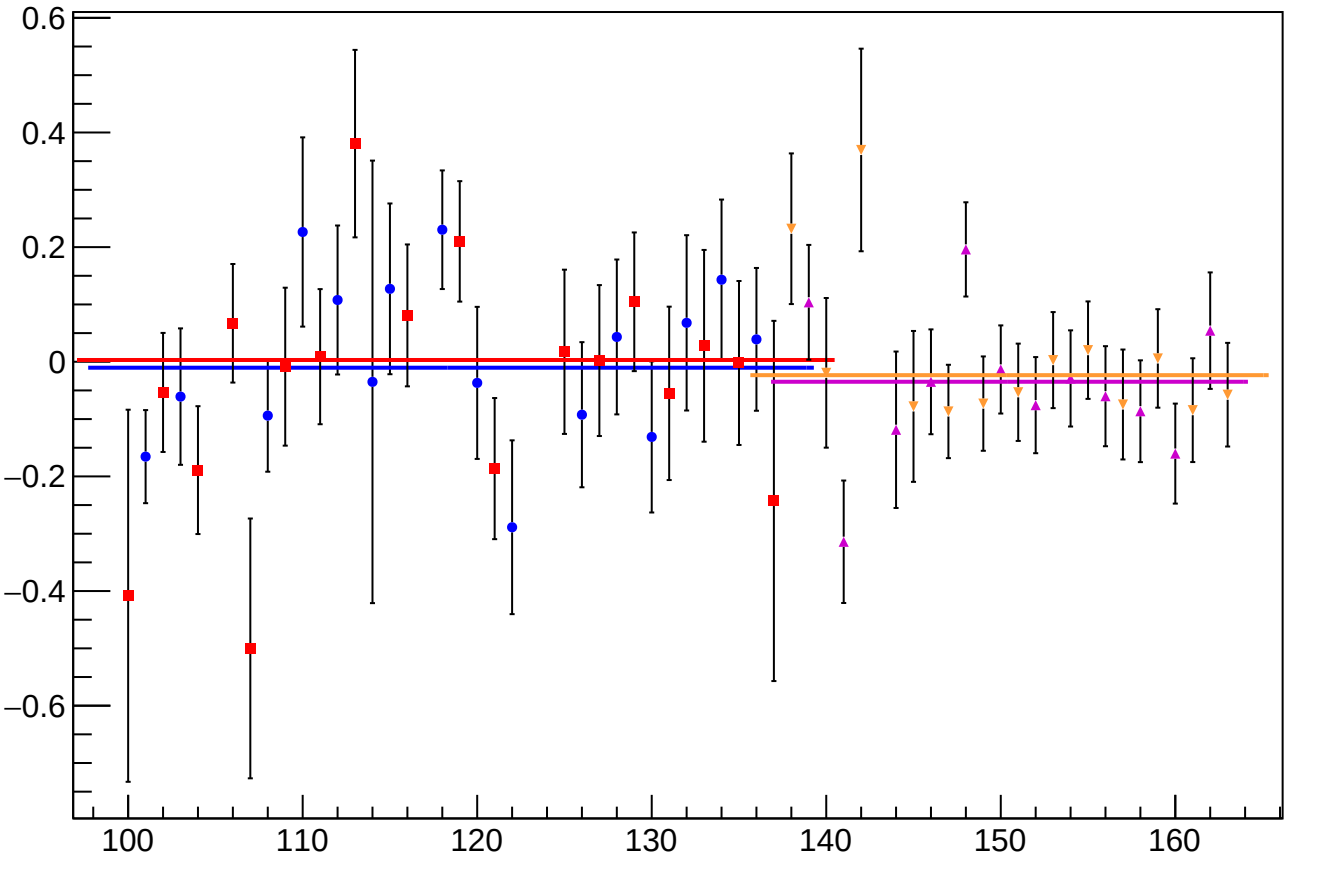
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.001+/-0.014 χ^2/NDF:525188.2/11

+ sign 60.808+/-0.011 χ^2/NDF: 1441194.0/28

All: 60.790+/-0.008 χ^2/NDF: 2678158.5/58

- sign 60.772+/-0.011 χ^2/NDF: 1236959.1/29



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

Left Out: -0.023+/-0.027 χ^2/NDF:11.3/12

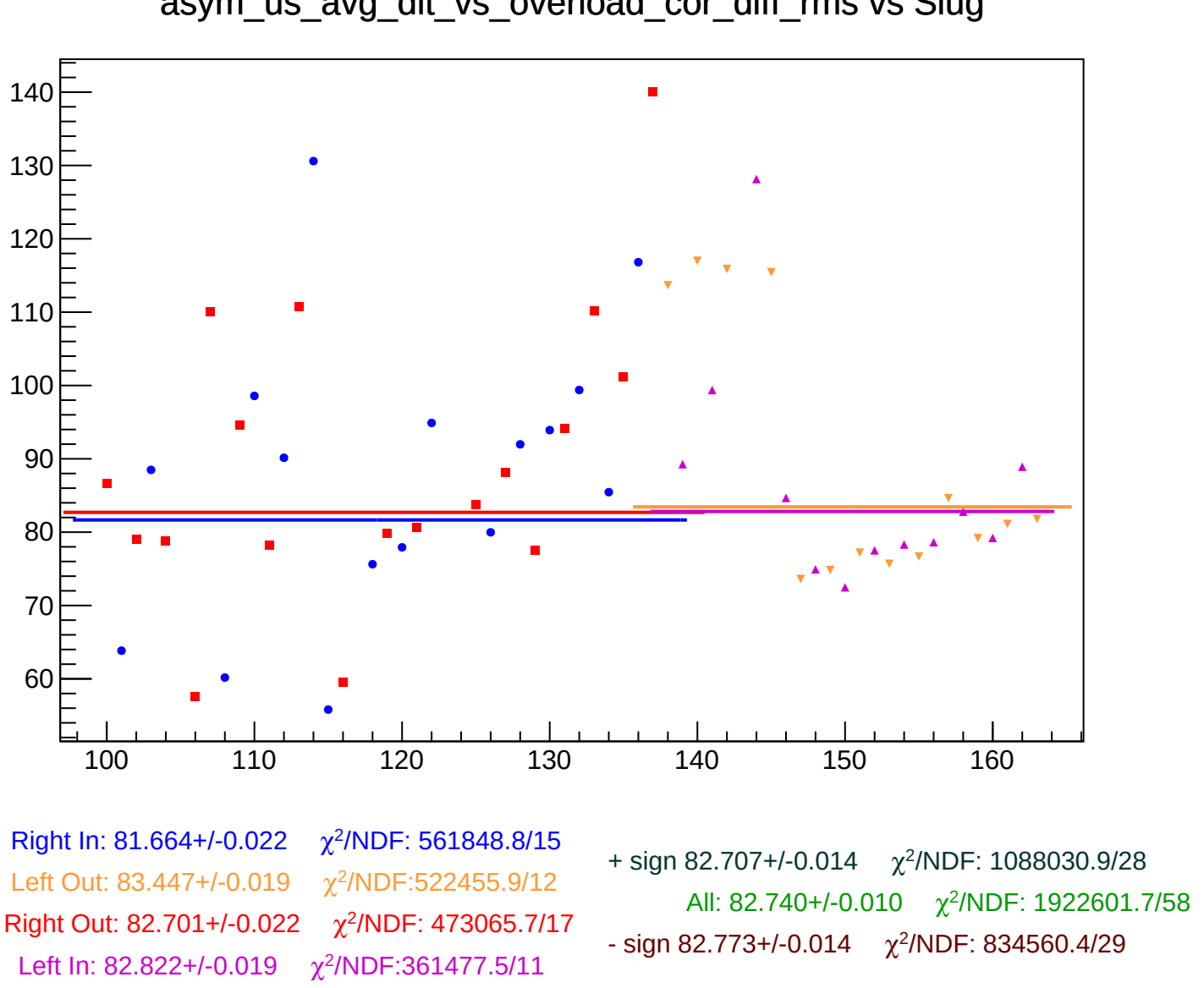
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

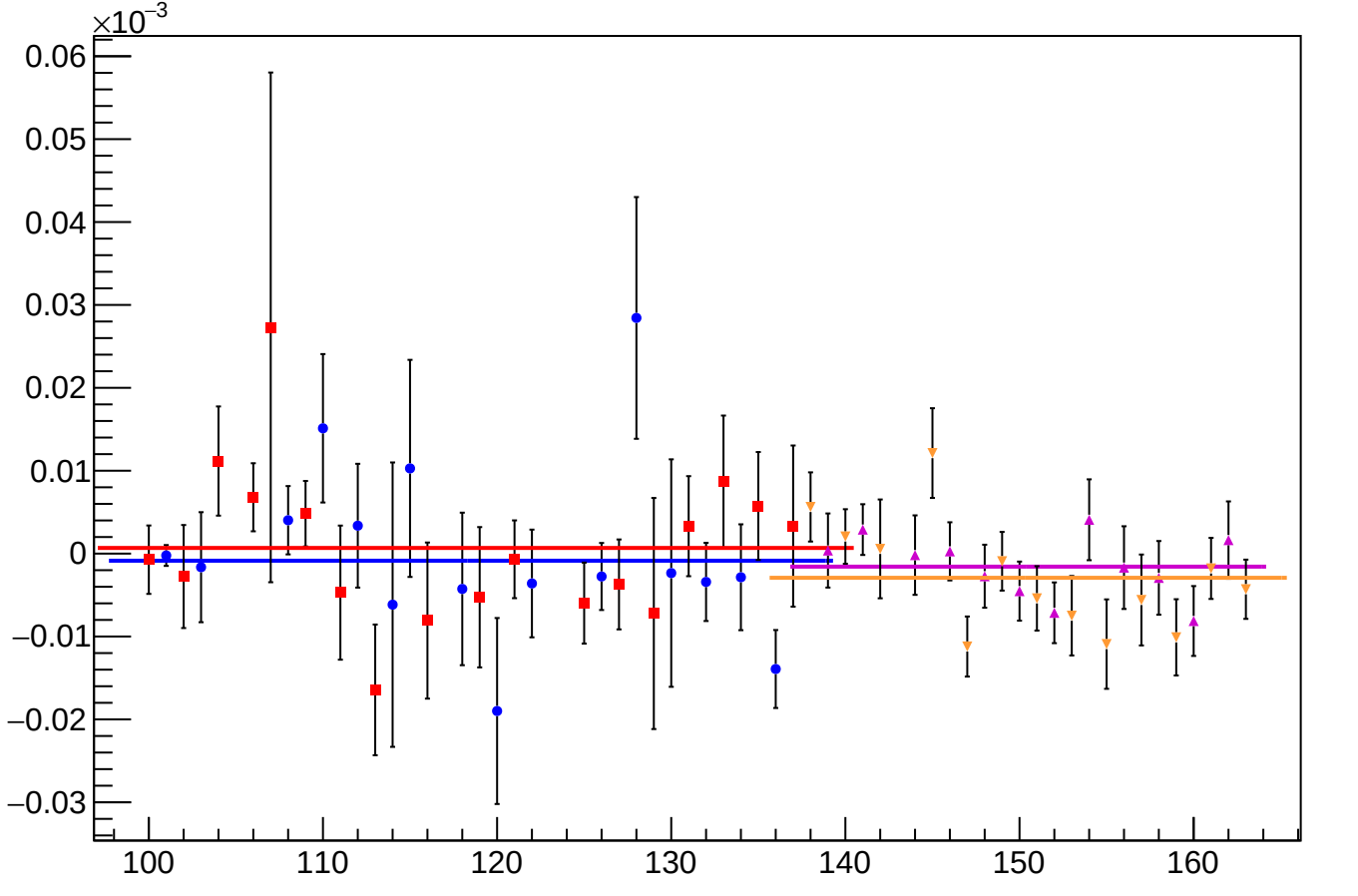
Left In: -0.035+/-0.026 χ^2/NDF:20.6/11

+ sign -0.018+/-0.020 χ^2/NDF: 31.6/28

All: -0.019+/-0.014 χ^2/NDF: 76.7/58

- sign -0.019+/-0.020 χ^2/NDF: 45.1/29


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 83.447+/-0.019 χ²/NDF:522455.9/12
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 82.822+/-0.019 χ²/NDF:361477.5/11
+ sign 82.707+/-0.014 χ²/NDF: 1088030.9/28
All: 82.740+/-0.010 χ²/NDF: 1922601.7/58
- sign 82.773+/-0.014 χ²/NDF: 834560.4/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/12

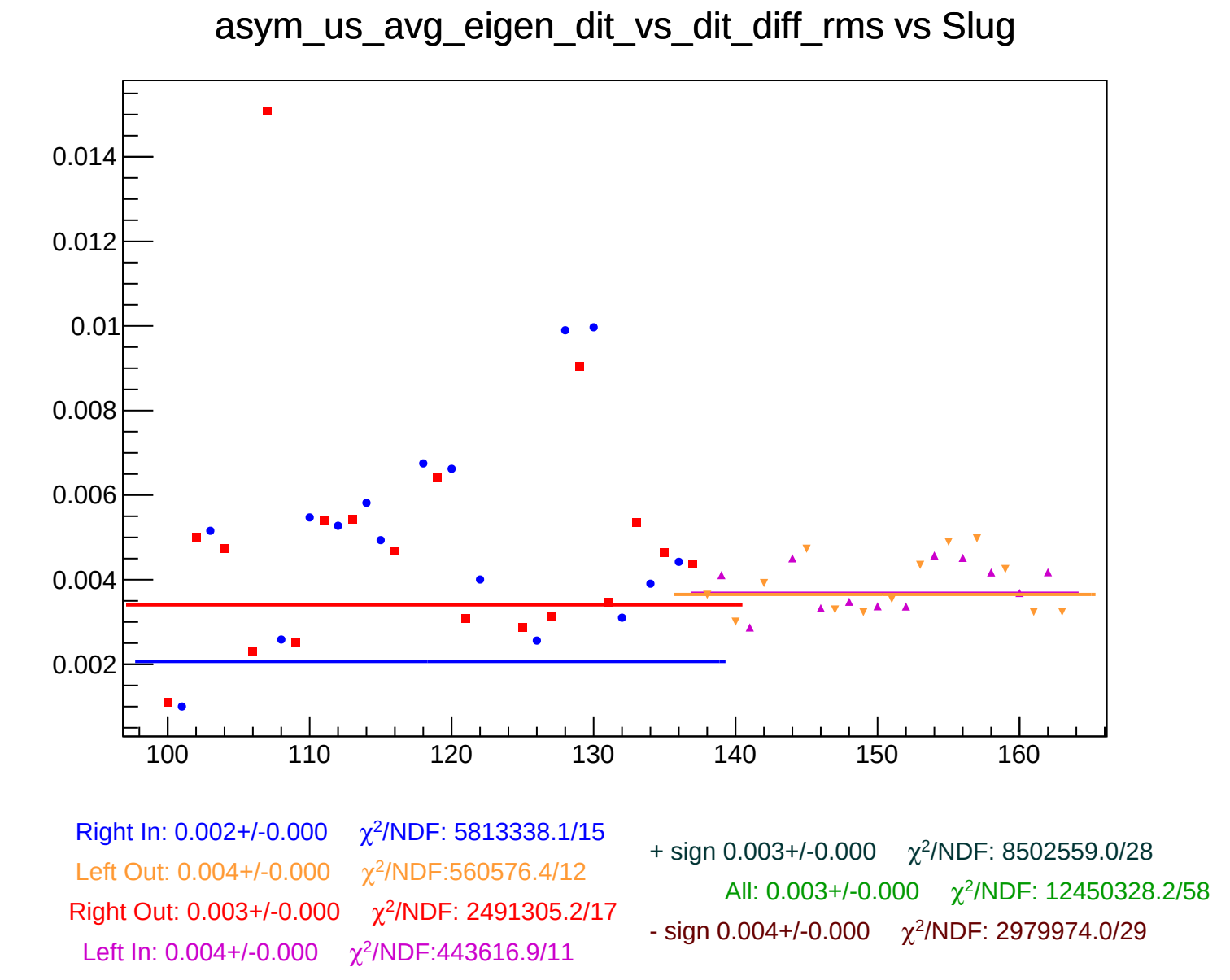
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/17

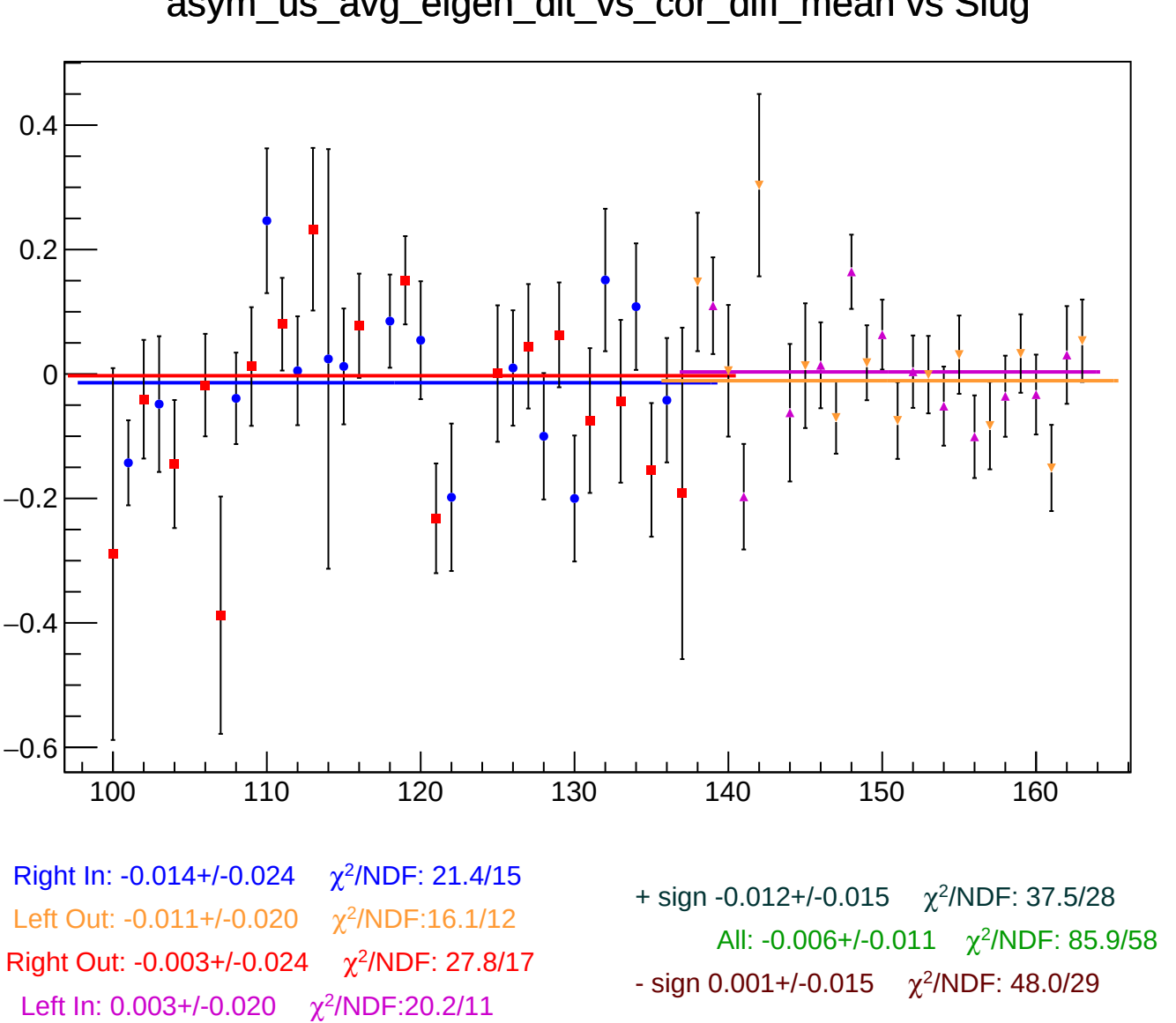
Left In: -0.000+/-0.000 χ^2/NDF:10.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/28

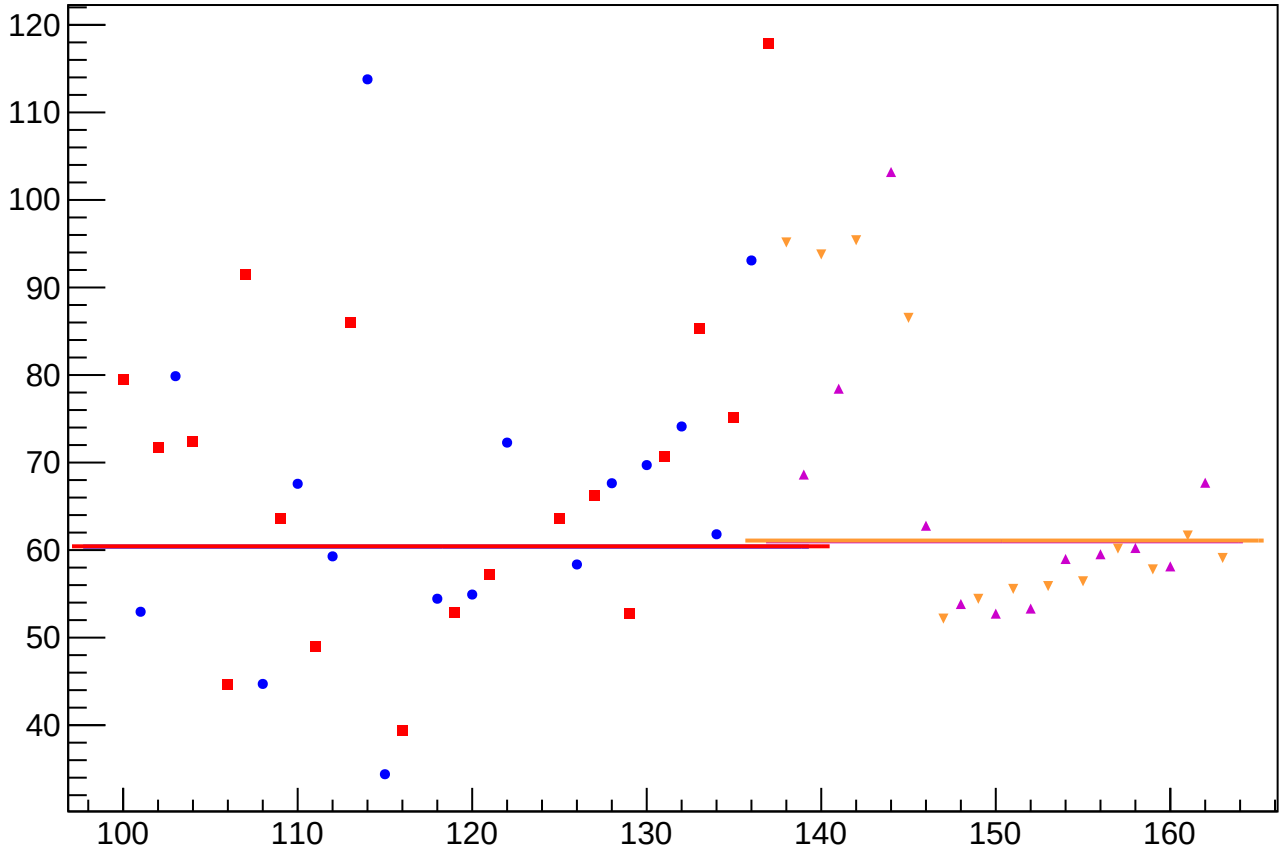
All: -0.000+/-0.000 χ^2/NDF: 80.4/58

- sign -0.000+/-0.000 χ^2/NDF: 29.9/29


asym_us_avg_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
160
Right In: 0.002+/-0.000 χ²/NDF: 5813338.1/15
Left Out: 0.004+/-0.000 χ²/NDF:560576.4/12
Right Out: 0.003+/-0.000 χ²/NDF: 2491305.2/17
Left In: 0.004+/-0.000 χ²/NDF:443616.9/11
+ sign 0.003+/-0.000 χ²/NDF: 8502559.0/28
All: 0.003+/-0.000 χ²/NDF: 12450328.2/58
- sign 0.004+/-0.000 χ²/NDF: 2979974.0/29


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.011+/-0.020 χ²/NDF:16.1/12
Right Out: -0.003+/-0.024 χ²/NDF: 27.8/17
Left In: 0.003+/-0.020 χ²/NDF:20.2/11
+ sign -0.012+/-0.015 χ²/NDF: 37.5/28
All: -0.006+/-0.011 χ²/NDF: 85.9/58
- sign 0.001+/-0.015 χ²/NDF: 48.0/29

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

Left Out: 61.089+/-0.014 χ^2/NDF:737042.2/12

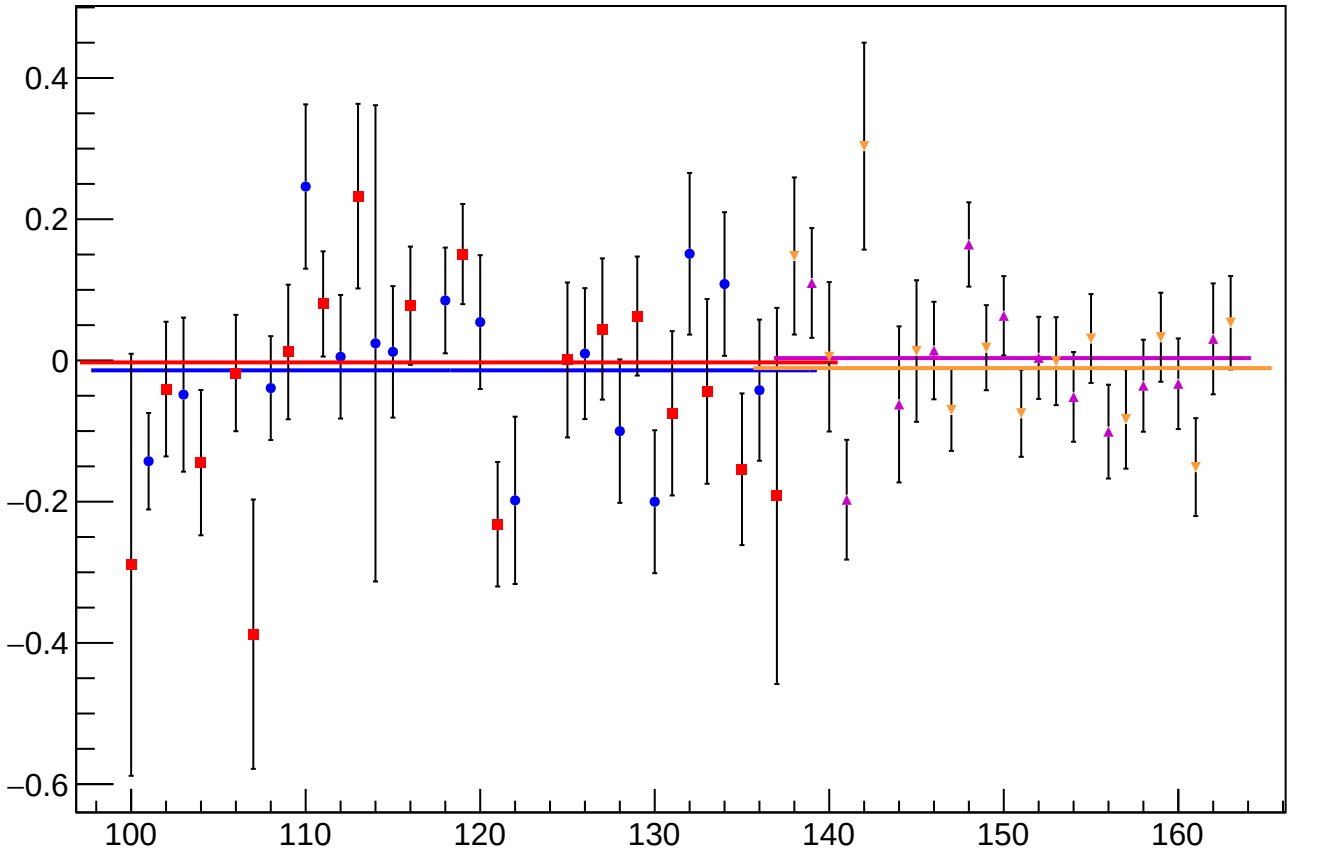
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.002+/-0.014 χ^2/NDF:525185.8/11

+ sign 60.807+/-0.011 χ^2/NDF: 1441204.2/28

All: 60.789+/-0.008 χ^2/NDF: 2678199.9/58

- sign 60.772+/-0.011 χ^2/NDF: 1236990.2/29



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

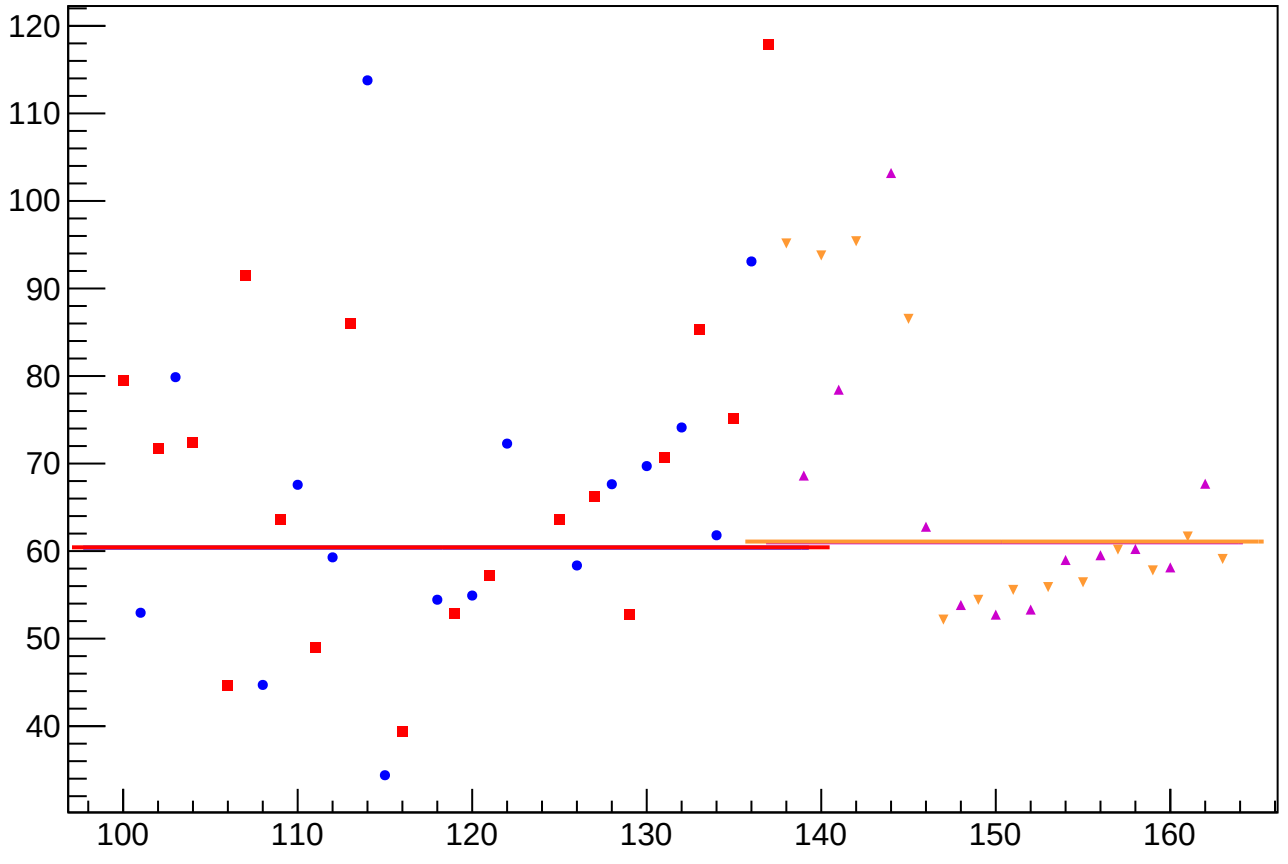
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.003+/-0.020 χ^2/NDF:20.2/11

+ sign -0.012+/-0.015 χ^2/NDF: 37.5/28

All: -0.006+/-0.011 χ^2/NDF: 85.9/58

- sign 0.001+/-0.015 χ^2/NDF: 48.0/29



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

Left Out: 61.089+/-0.014 χ^2/NDF:737042.2/12

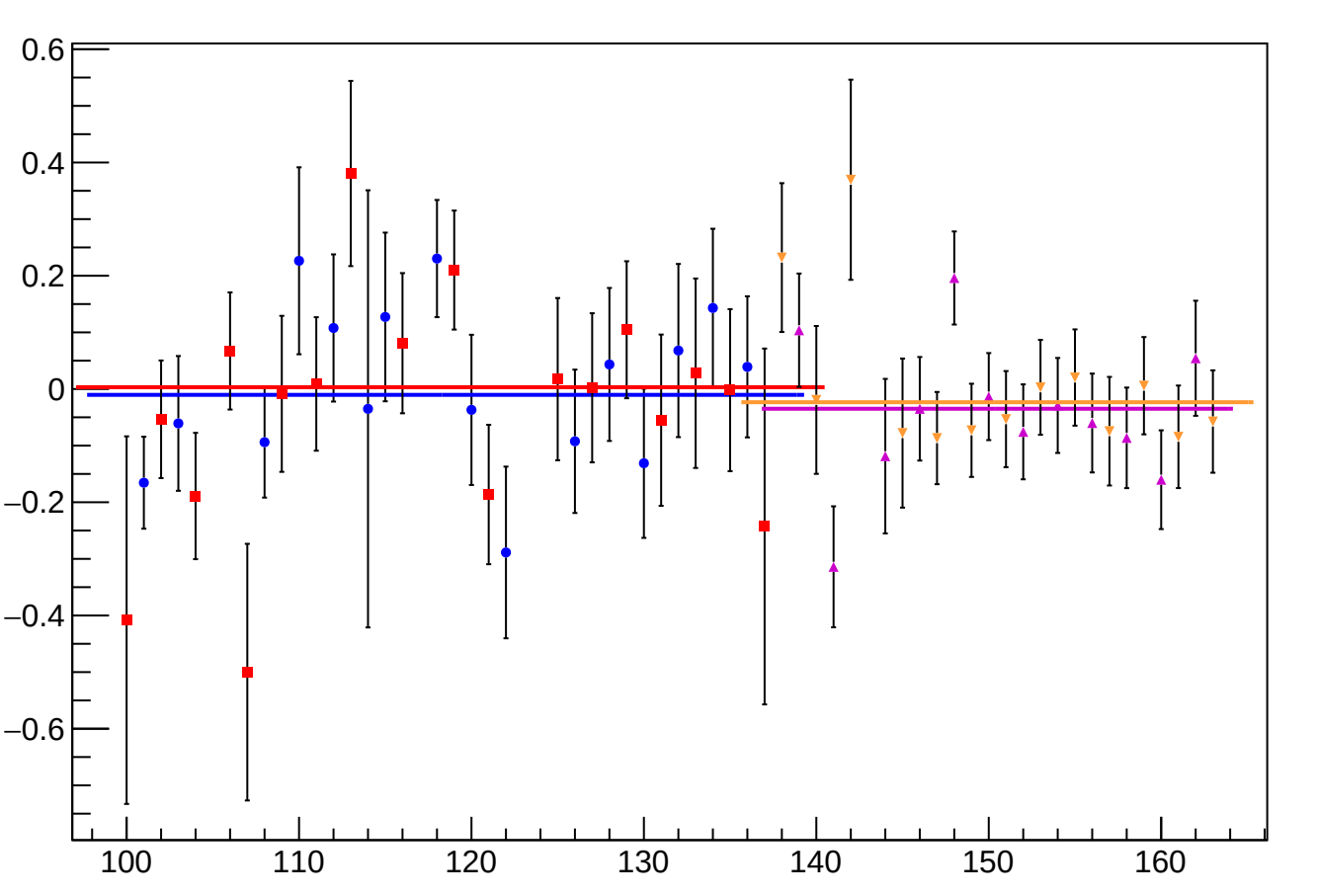
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.002+/-0.014 χ^2/NDF:525185.8/11

+ sign 60.807+/-0.011 χ^2/NDF: 1441204.2/28

All: 60.789+/-0.008 χ^2/NDF: 2678199.9/58

- sign 60.772+/-0.011 χ^2/NDF: 1236990.2/29



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

Left Out: -0.023+/-0.027 χ^2/NDF:11.3/12

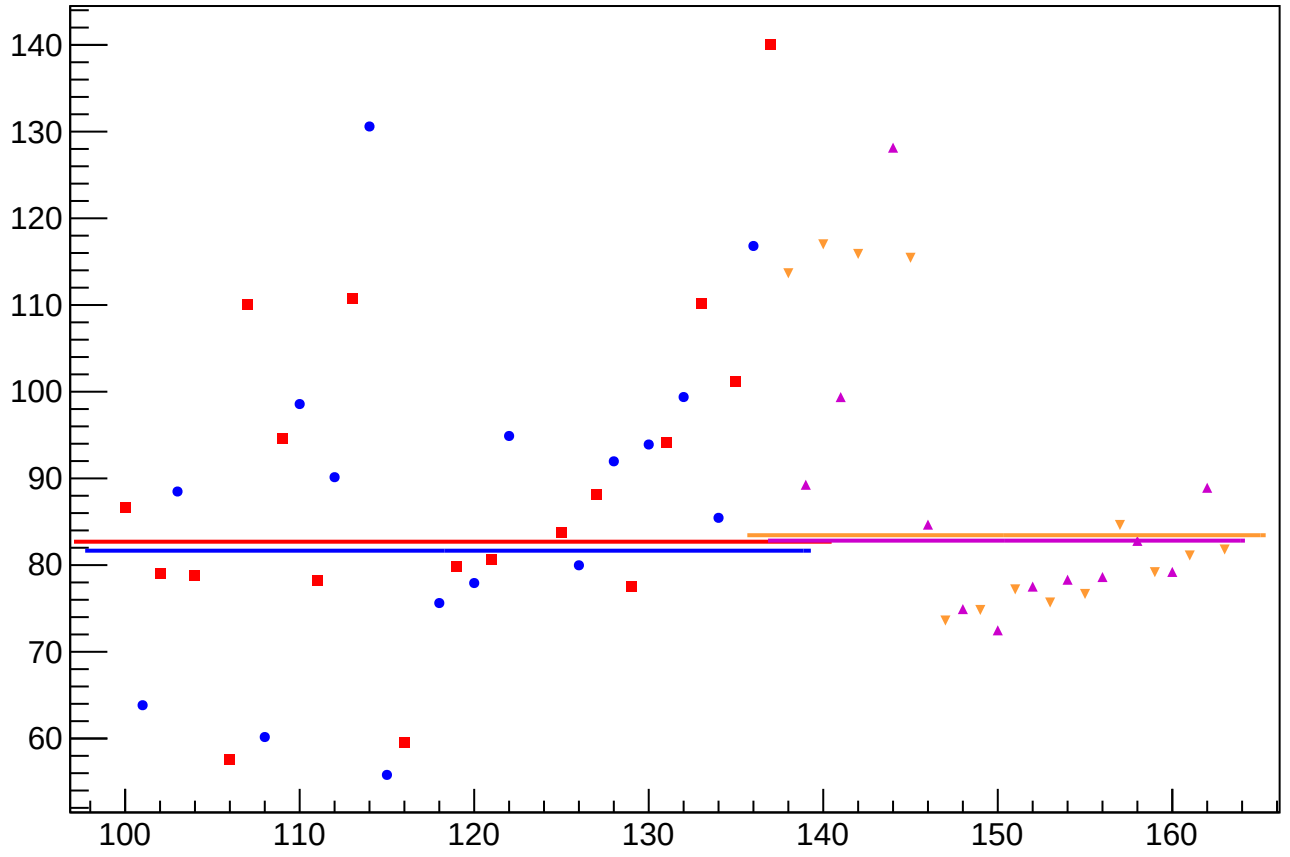
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.035+/-0.026 χ^2/NDF:20.6/11

+ sign -0.018+/-0.020 χ^2/NDF: 31.6/28

All: -0.019+/-0.014 χ^2/NDF: 76.7/58

- sign -0.019+/-0.020 χ^2/NDF: 45.1/29



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

Left Out: 83.447+/-0.019 χ^2/NDF:522451.3/12

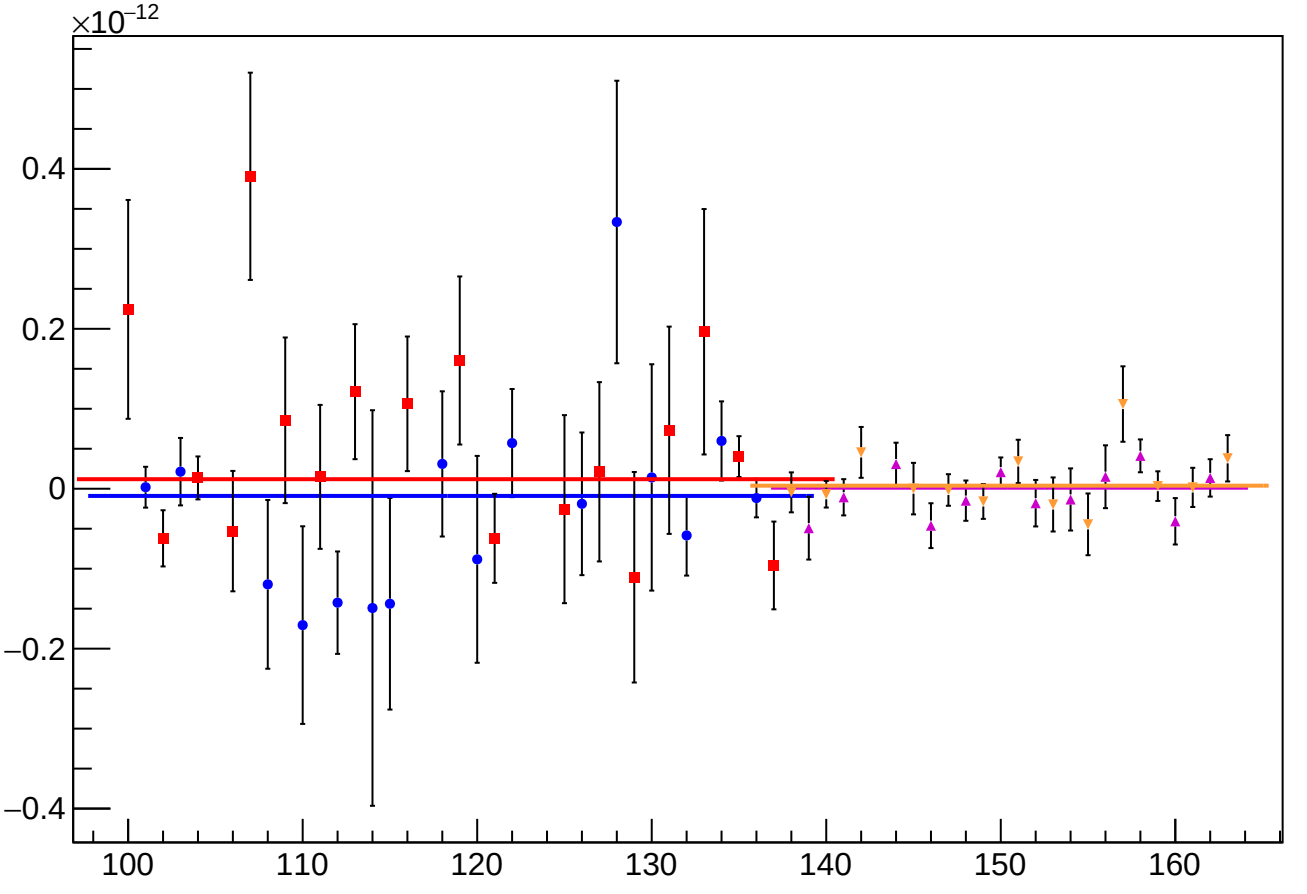
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 82.822+/-0.019 χ^2/NDF:361477.6/11

+ sign 82.707+/-0.014 χ^2/NDF: 1088018.5/28

All: 82.740+/-0.010 χ^2/NDF: 1922586.4/58

- sign 82.773+/-0.014 χ^2/NDF: 834557.5/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/12

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

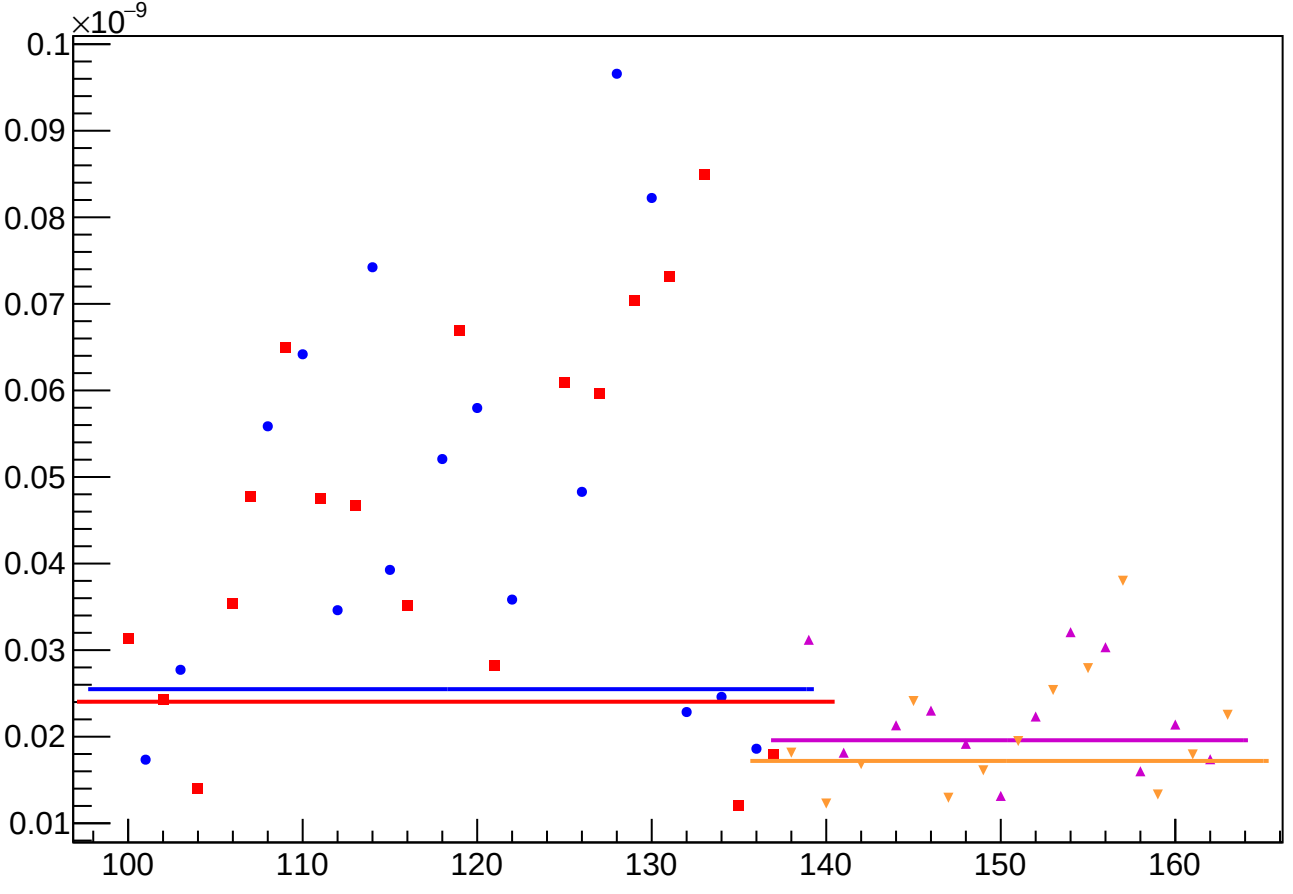
Left In: 0.000+/-0.000 χ^2/NDF:14.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/28

All: 0.000+/-0.000 χ^2/NDF: 76.8/58

- sign 0.000+/-0.000 χ^2/NDF: 46.0/29

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:1200608.1/12

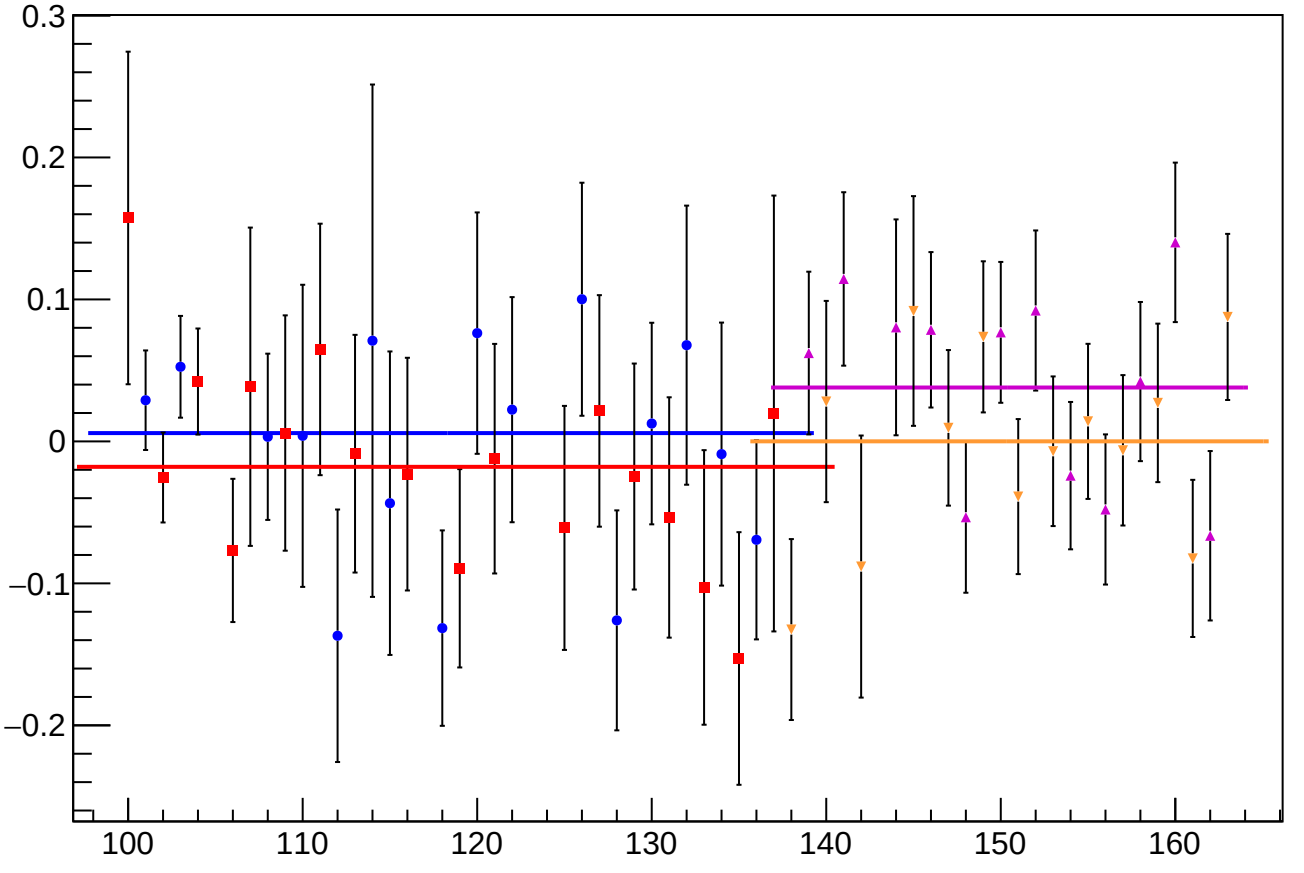
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:926276.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 3816414.7/28

All: 0.000+/-0.000 χ^2/NDF: 8065538.3/58

- sign 0.000+/-0.000 χ^2/NDF: 4178773.4/29



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

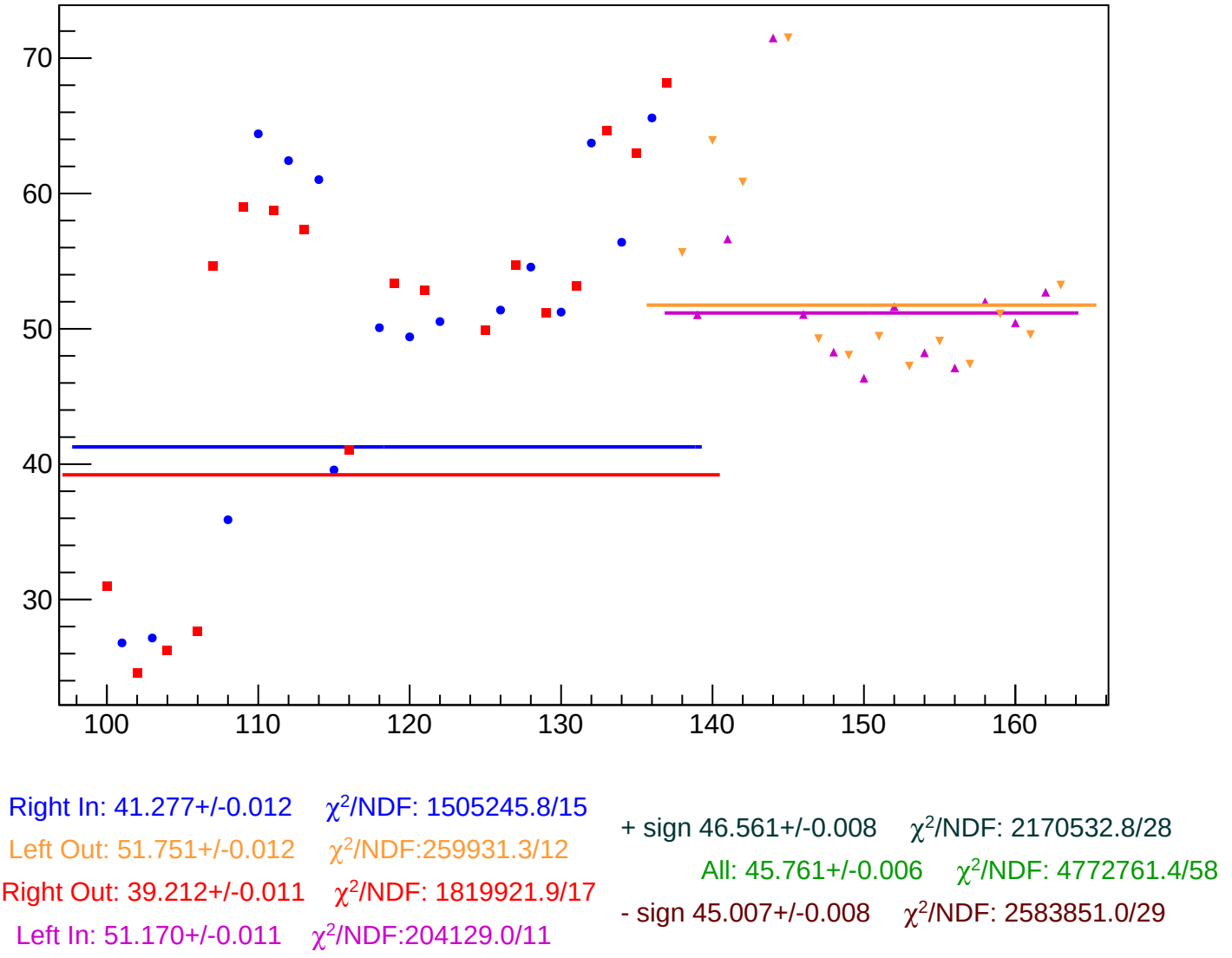
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

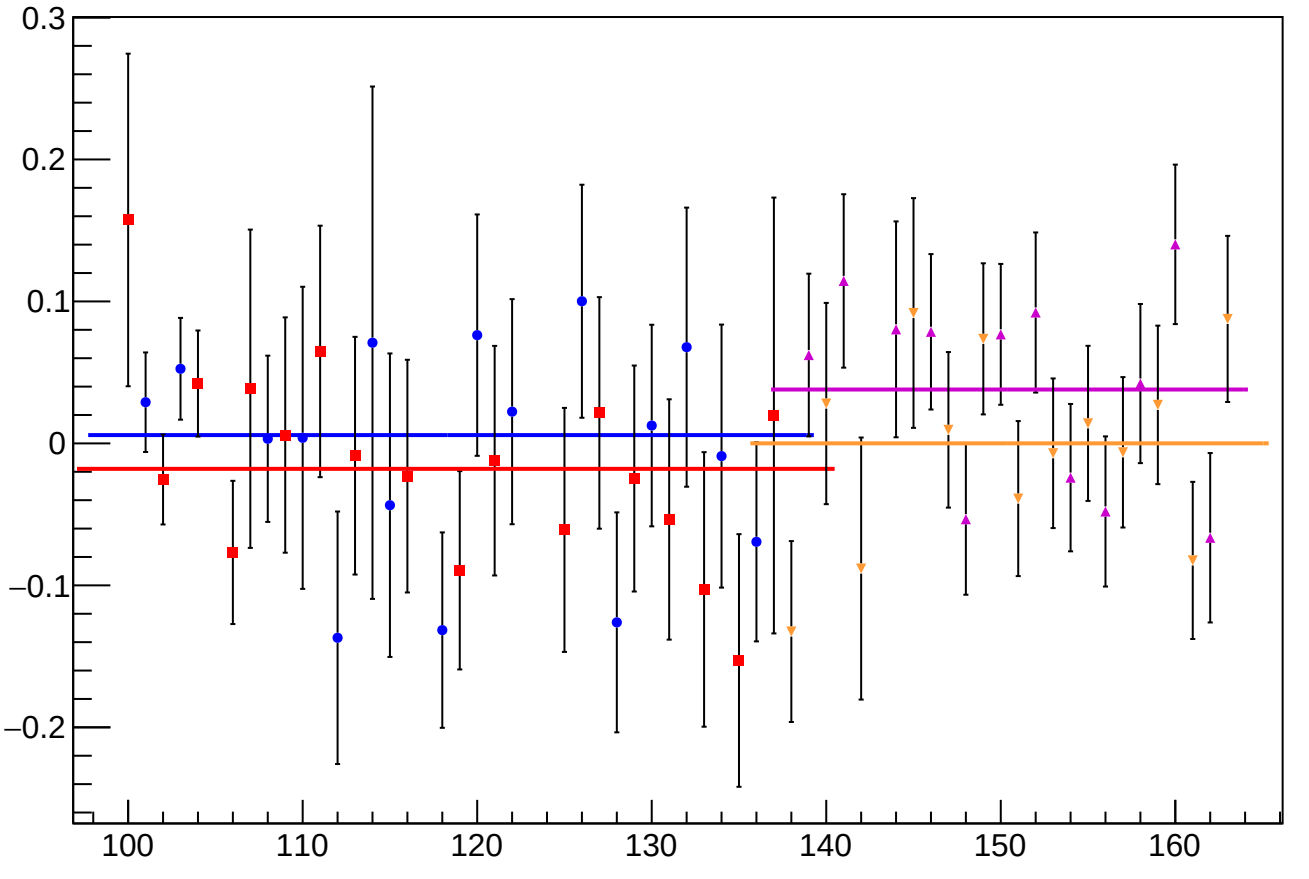
Left In: 0.038+/-0.016 χ^2/NDF:17.5/11

+ sign 0.003+/-0.012 χ^2/NDF: 29.6/28

All: 0.006+/-0.008 χ^2/NDF: 65.7/58

- sign 0.009+/-0.011 χ^2/NDF: 36.0/29


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug
70
60
50
40
30
100
110
120
130
140
150
160
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 51.751+/-0.012 χ²/NDF:259931.3/12
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.170+/-0.011 χ²/NDF:204129.0/11
+ sign 46.561+/-0.008 χ²/NDF: 2170532.8/28
All: 45.761+/-0.006 χ²/NDF: 4772761.4/58
- sign 45.007+/-0.008 χ²/NDF: 2583851.0/29



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

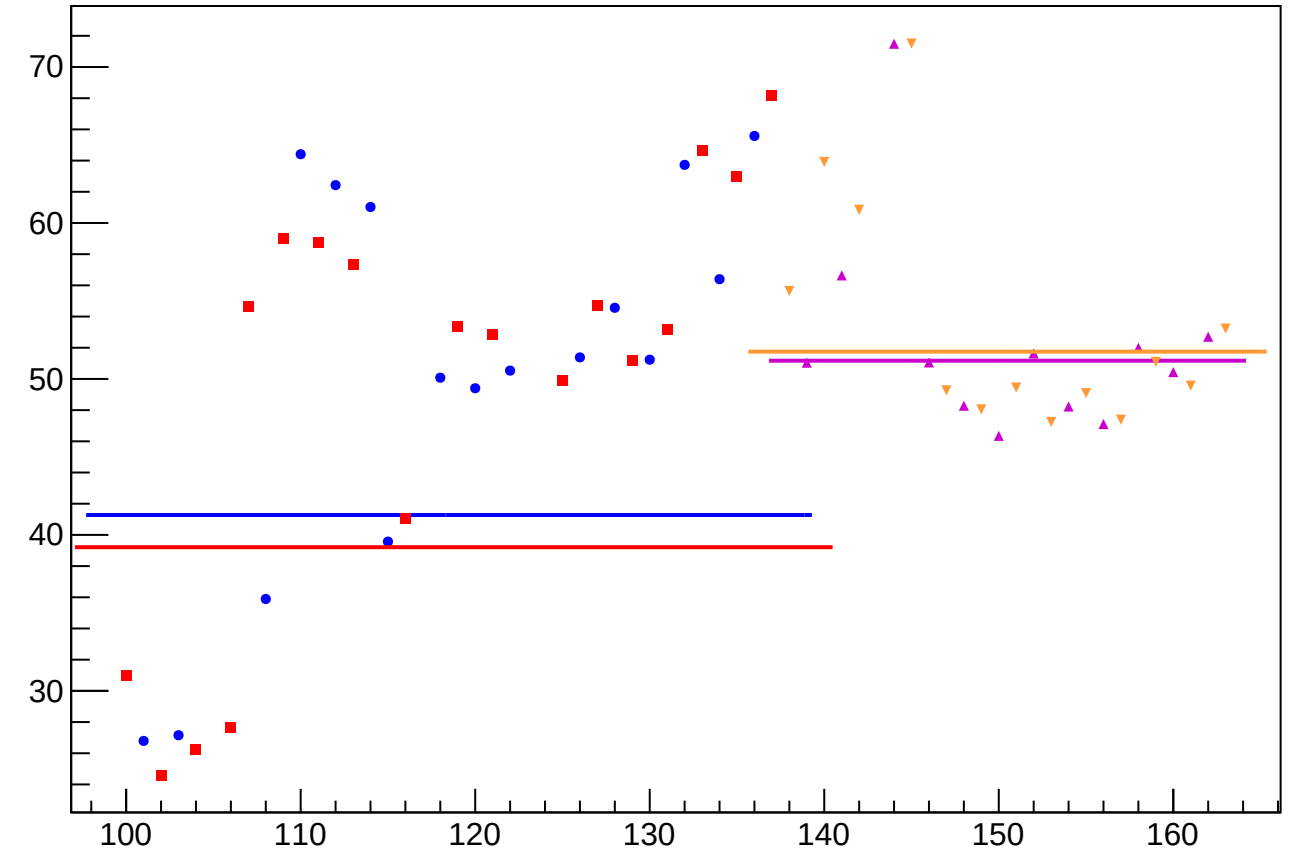
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.038+/-0.016 χ^2/NDF:17.5/11

+ sign 0.003+/-0.012 χ^2/NDF: 29.6/28

All: 0.006+/-0.008 χ^2/NDF: 65.7/58

- sign 0.009+/-0.011 χ^2/NDF: 36.0/29



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

Left Out: 51.751+/-0.012 χ^2/NDF:259931.3/12

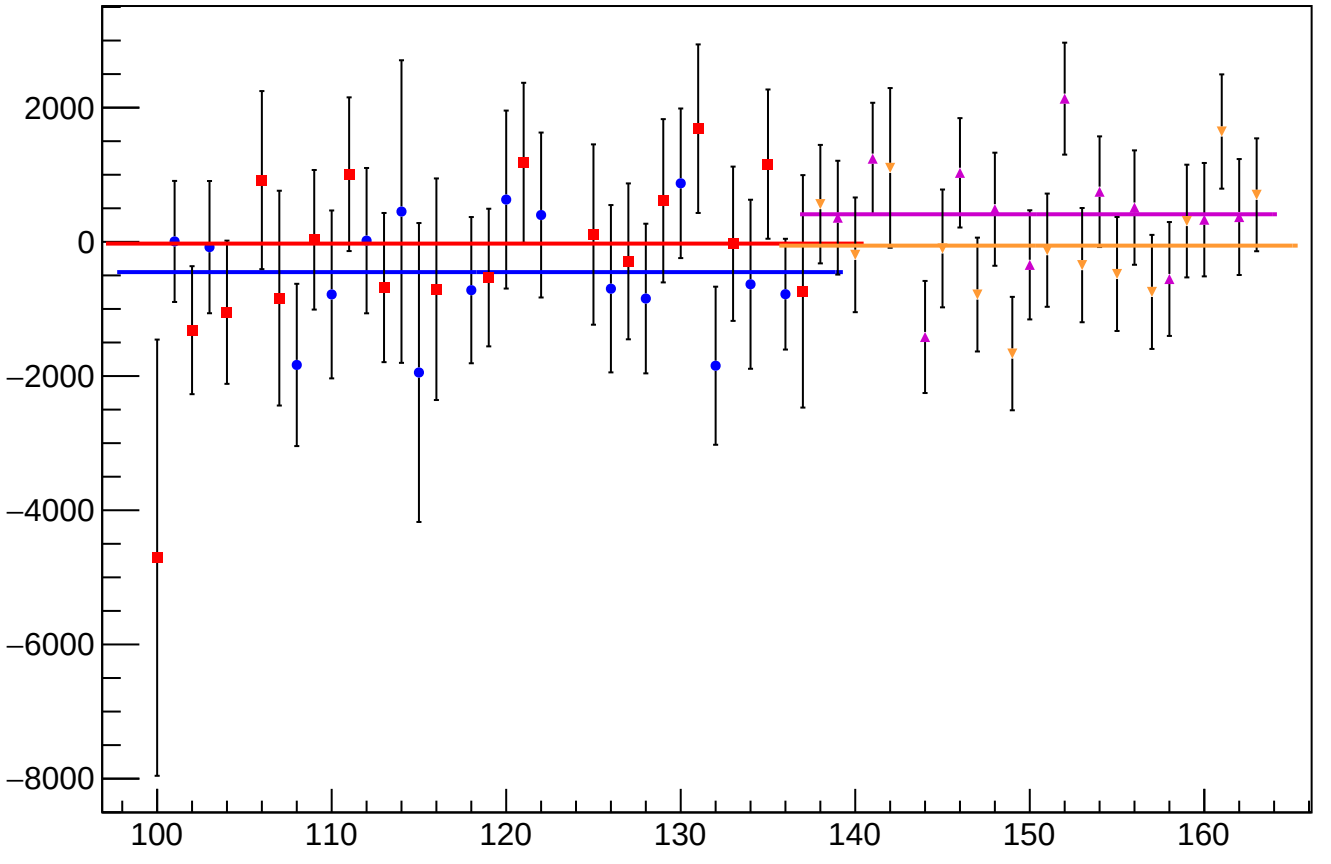
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.170+/-0.011 χ^2/NDF:204129.0/11

+ sign 46.561+/-0.008 χ^2/NDF: 2170532.8/28

All: 45.761+/-0.006 χ^2/NDF: 4772761.4/58

- sign 45.007+/-0.008 χ^2/NDF: 2583851.0/29



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

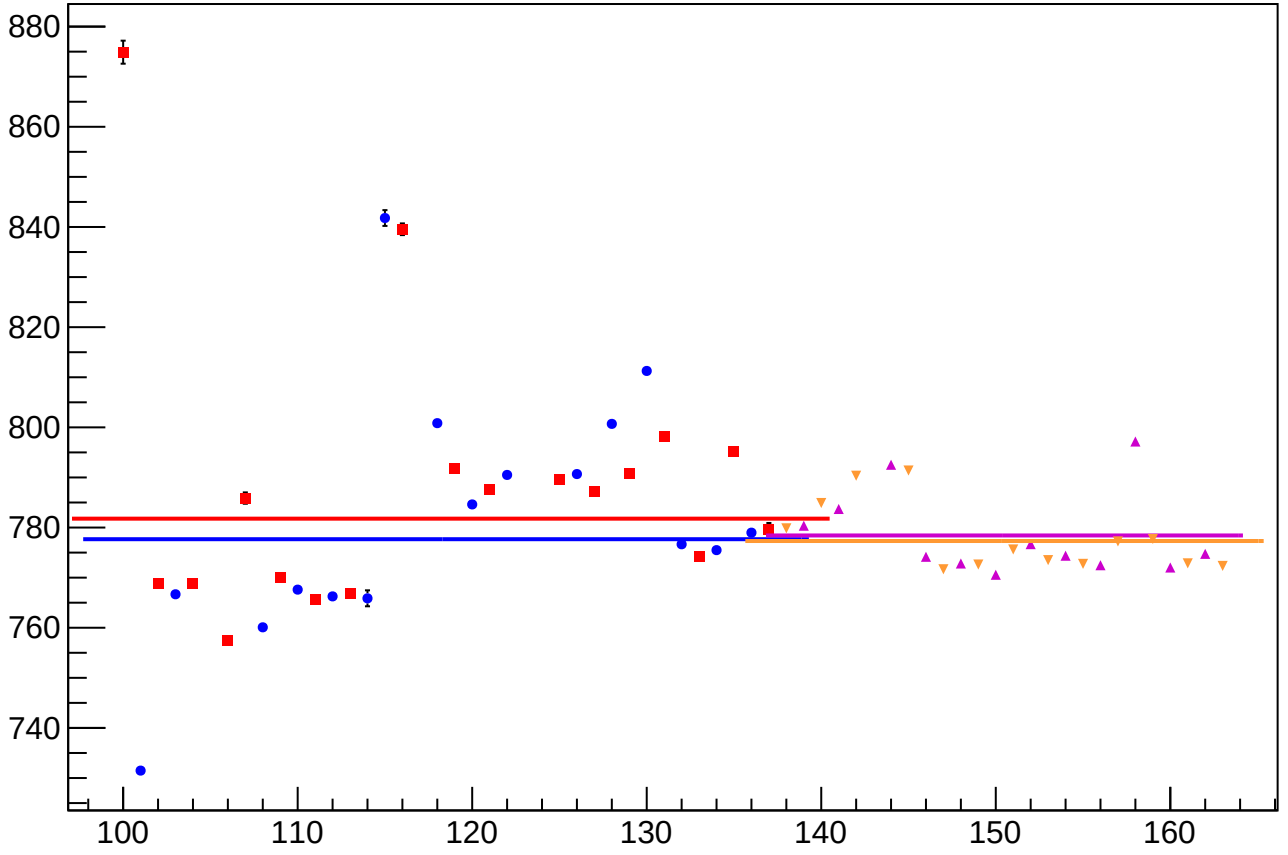
Left In: 410.933+/-241.811 χ^2/NDF:13.0/11

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: 5.881+/-130.923 χ^2/NDF: 48.8/58

- sign 230.289+/-185.211 χ^2/NDF: 26.0/29

reg_asym_us_dd_rms vs Slug



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

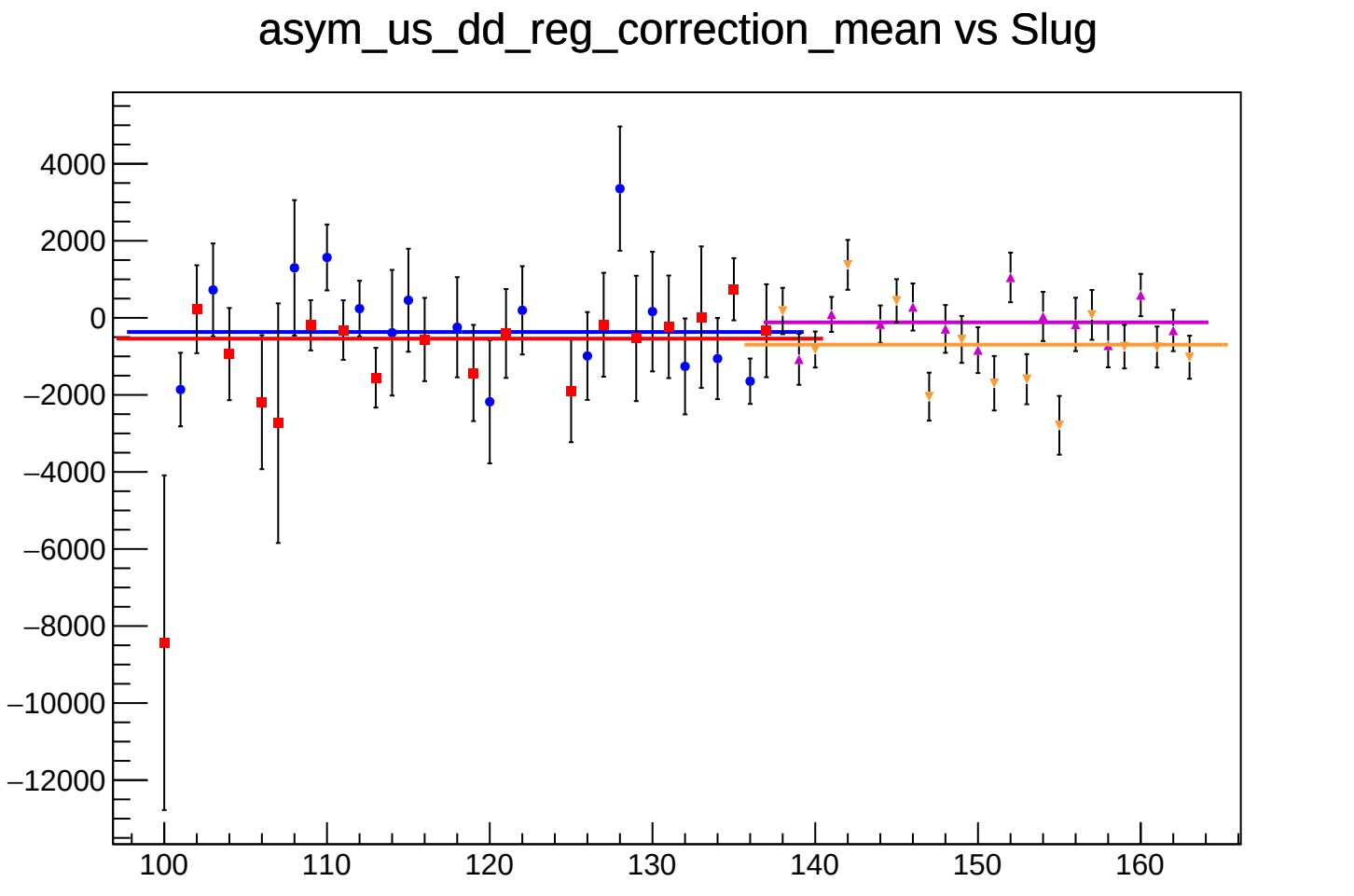
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58

- sign 779.808+/-0.131 χ^2/NDF: 10058.0/29



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

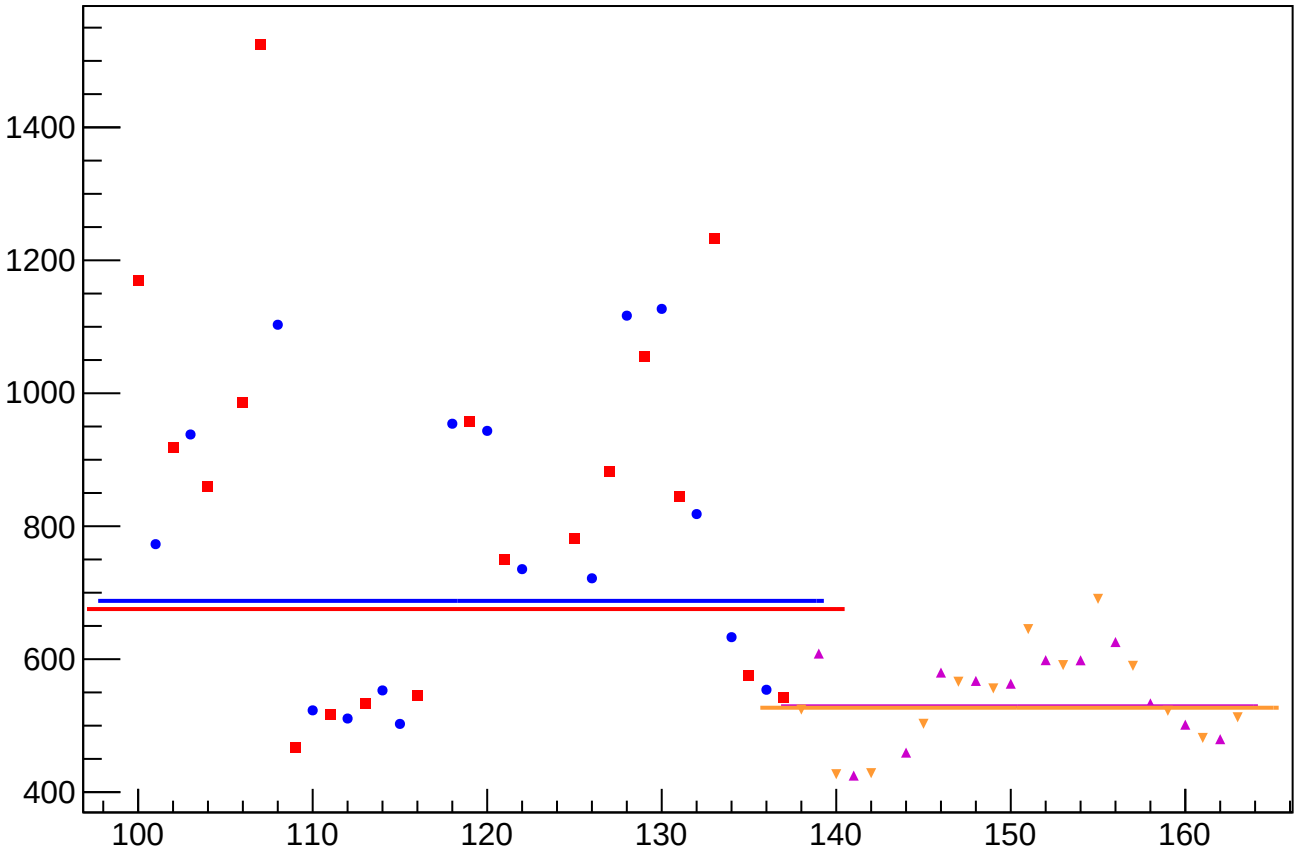
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -115.853+/-165.991 χ^2/NDF:10.6/11

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -420.119+/-99.328 χ^2/NDF: 86.4/58

- sign -236.423+/-140.357 χ^2/NDF: 24.1/29



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

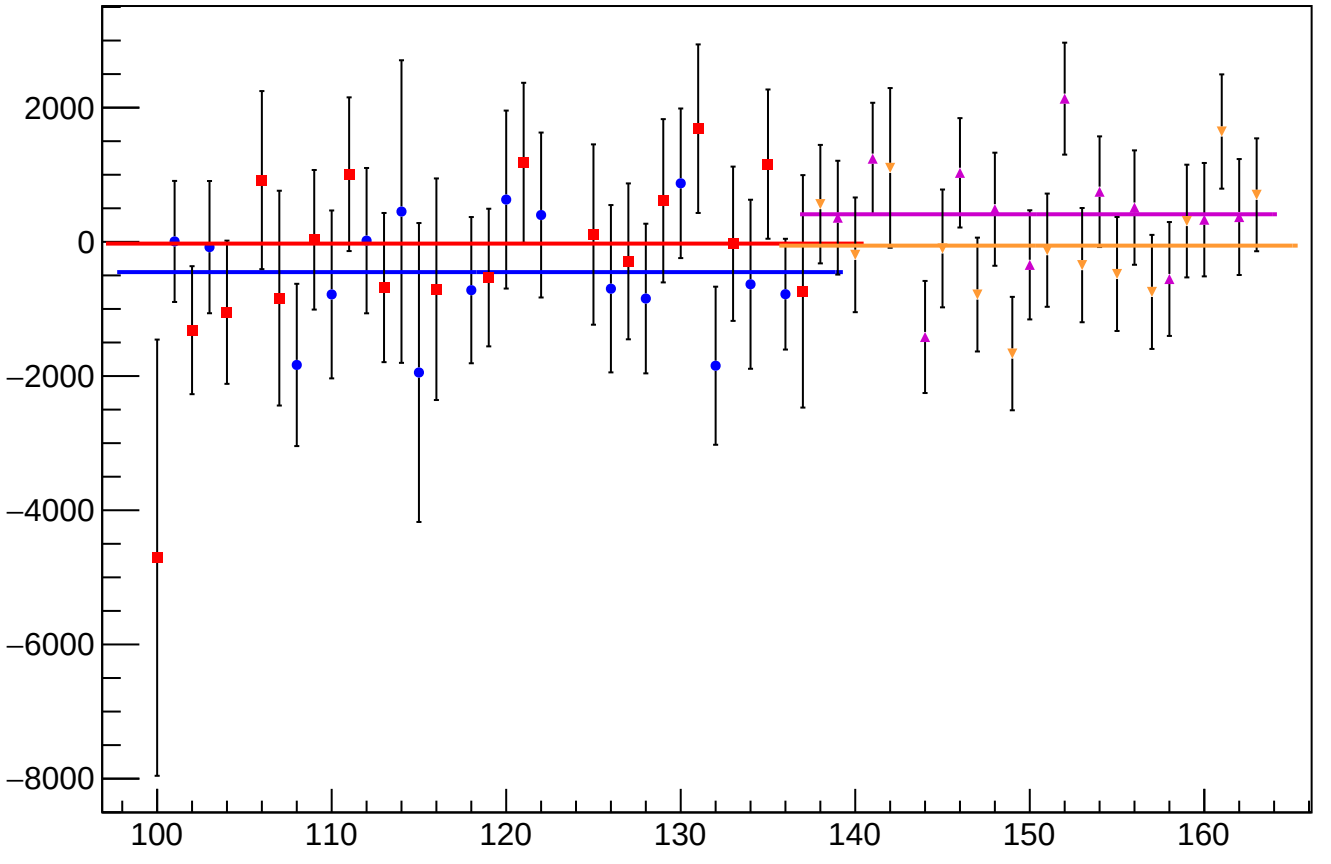
Right Out: 675.410+/-0.186 χ^2/NDF: 1313004.6/17

Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58

- sign 570.816+/-0.099 χ^2/NDF: 2066760.9/29



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

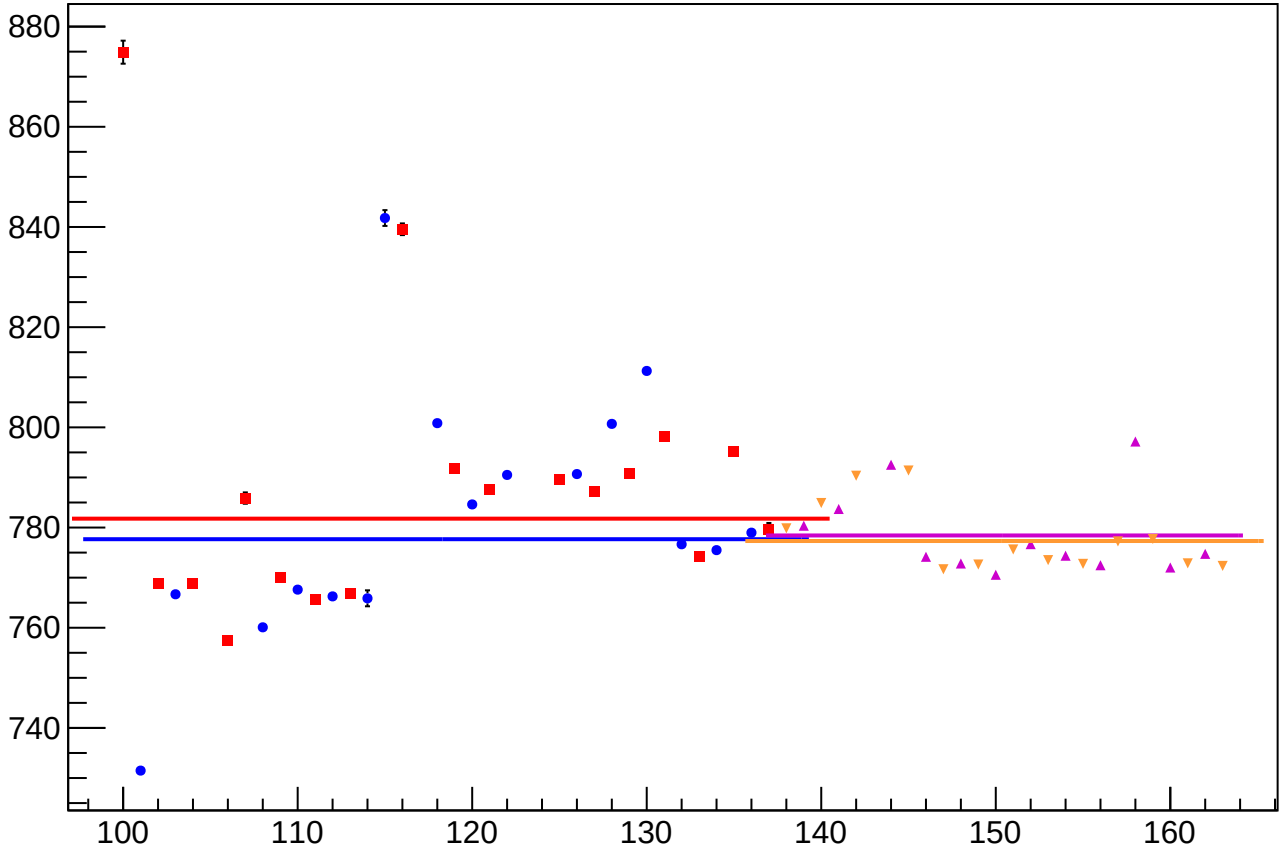
Left In: 410.933+/-241.811 χ^2/NDF:13.0/11

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: 5.881+/-130.923 χ^2/NDF: 48.8/58

- sign 230.289+/-185.211 χ^2/NDF: 26.0/29

cor_asym_us_dd_rms vs Slug



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

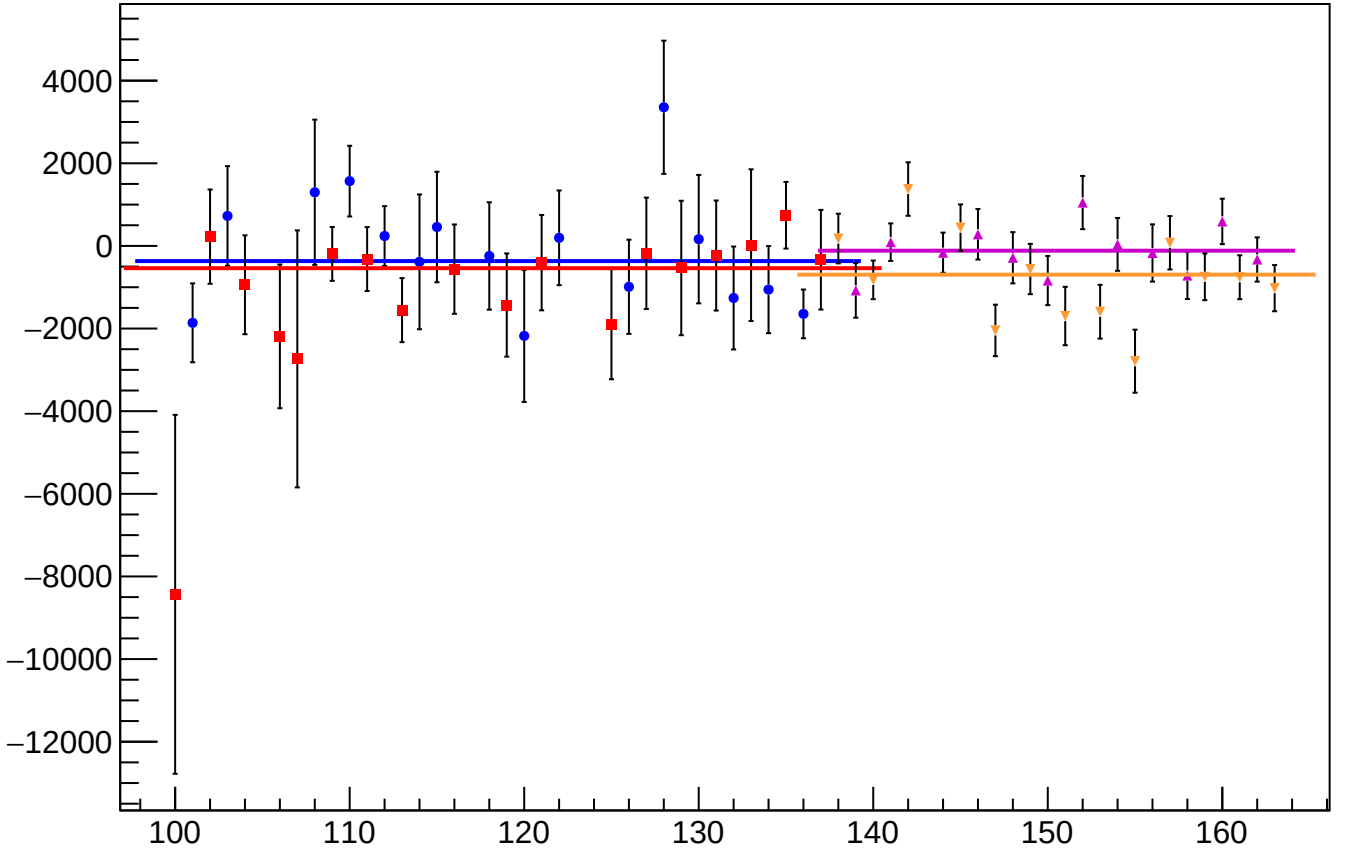
Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58

- sign 779.808+/-0.131 χ^2/NDF: 10058.0/29

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

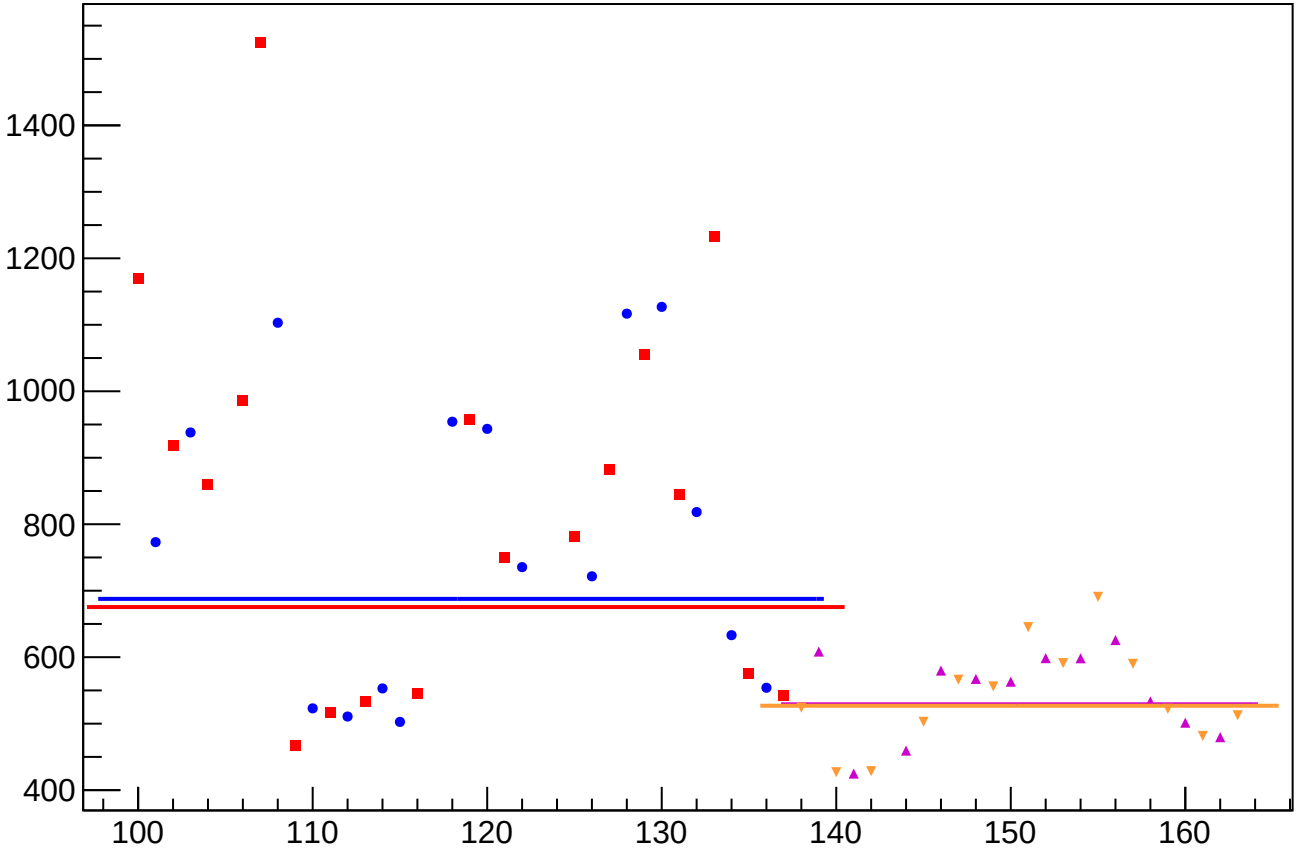
Left In: -115.853+/-165.991 χ^2/NDF:10.6/11

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -420.119+/-99.328 χ^2/NDF: 86.4/58

- sign -236.423+/-140.357 χ^2/NDF: 24.1/29

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

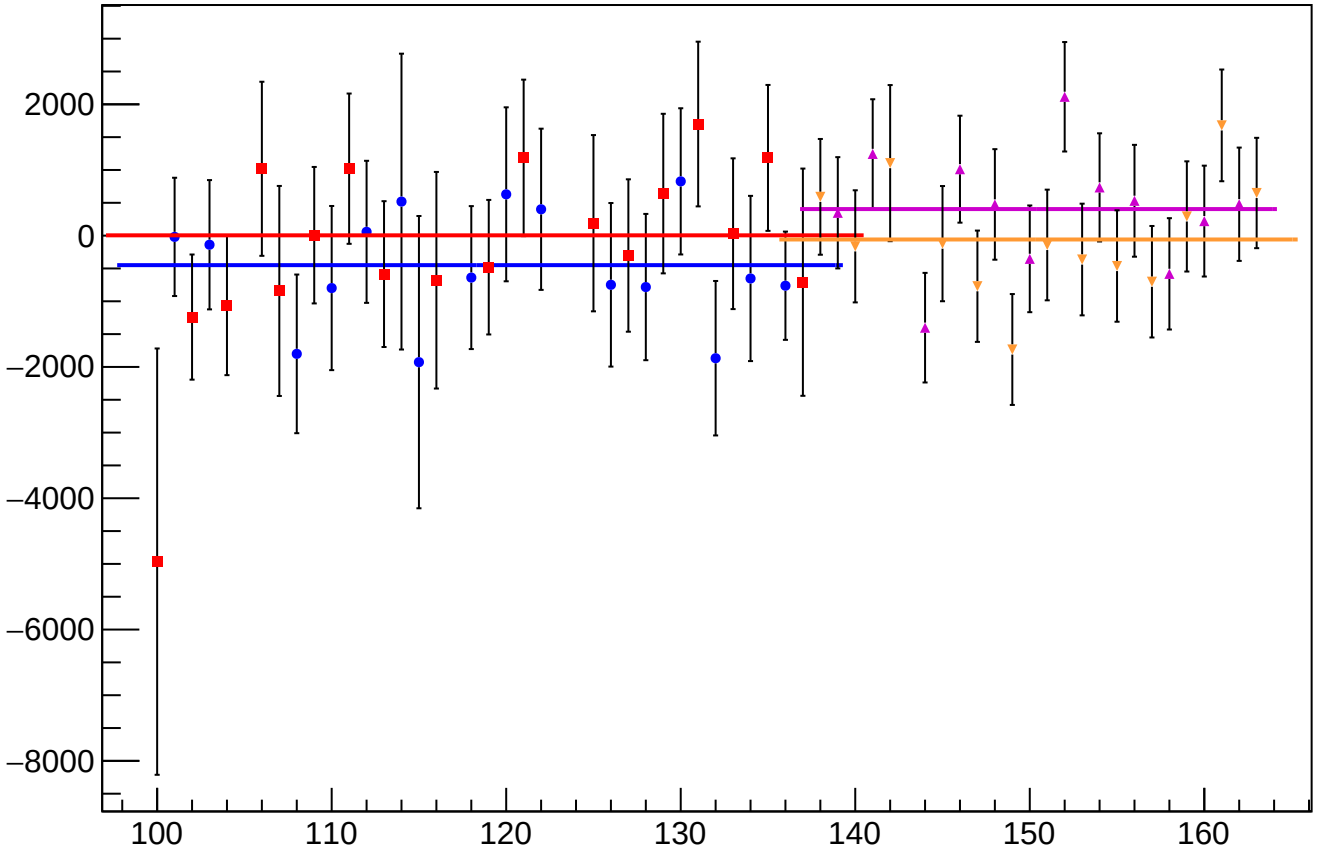
Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58

- sign 570.816+/-0.099 χ^2/NDF: 2066760.9/29

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -58.661+/-240.827 χ^2/NDF:12.2/12

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

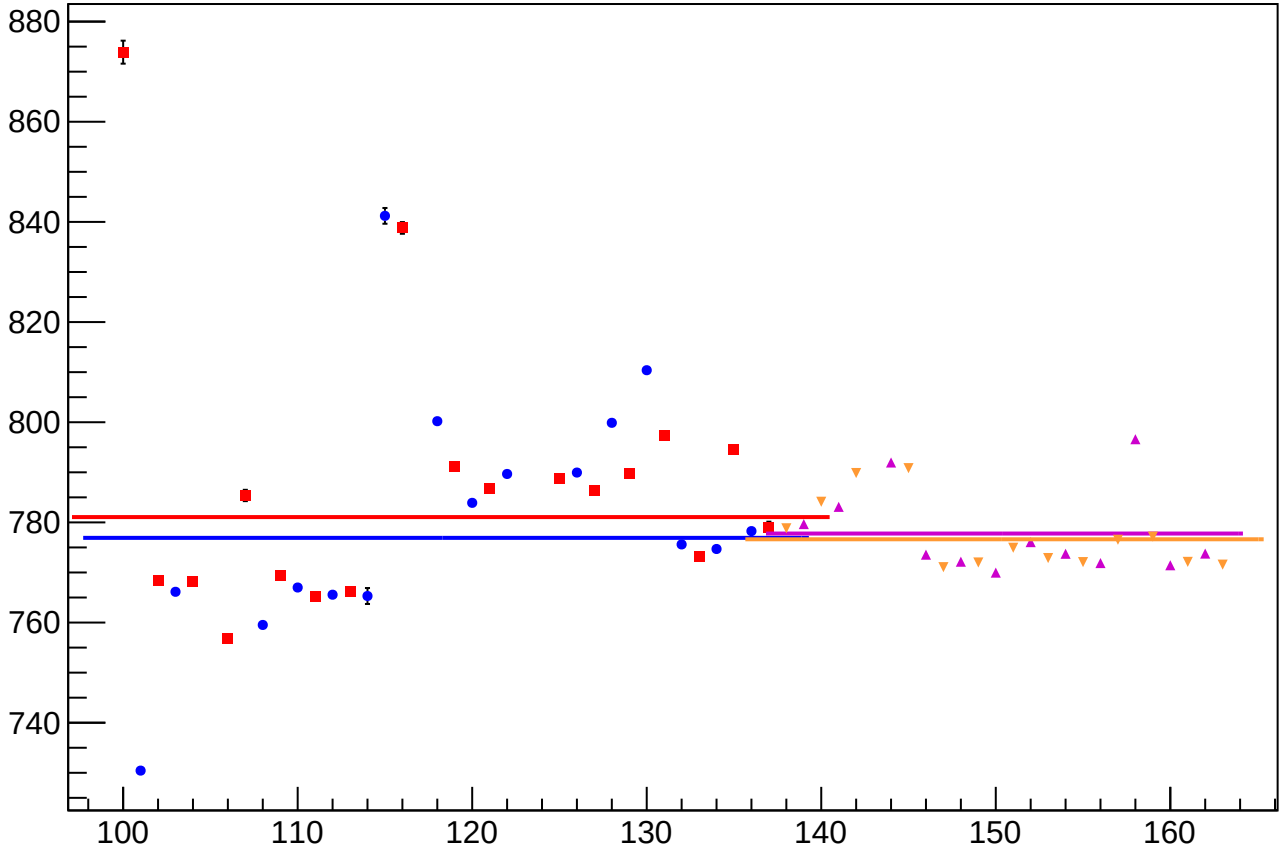
Left In: 404.634+/-241.610 χ^2/NDF:12.9/11

+ sign -219.025+/-184.923 χ^2/NDF: 20.0/28

All: 9.972+/-130.806 χ^2/NDF: 49.0/58

- sign 239.284+/-185.051 χ^2/NDF: 25.9/29

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.628+/-0.170 χ^2/NDF:1319.0/12

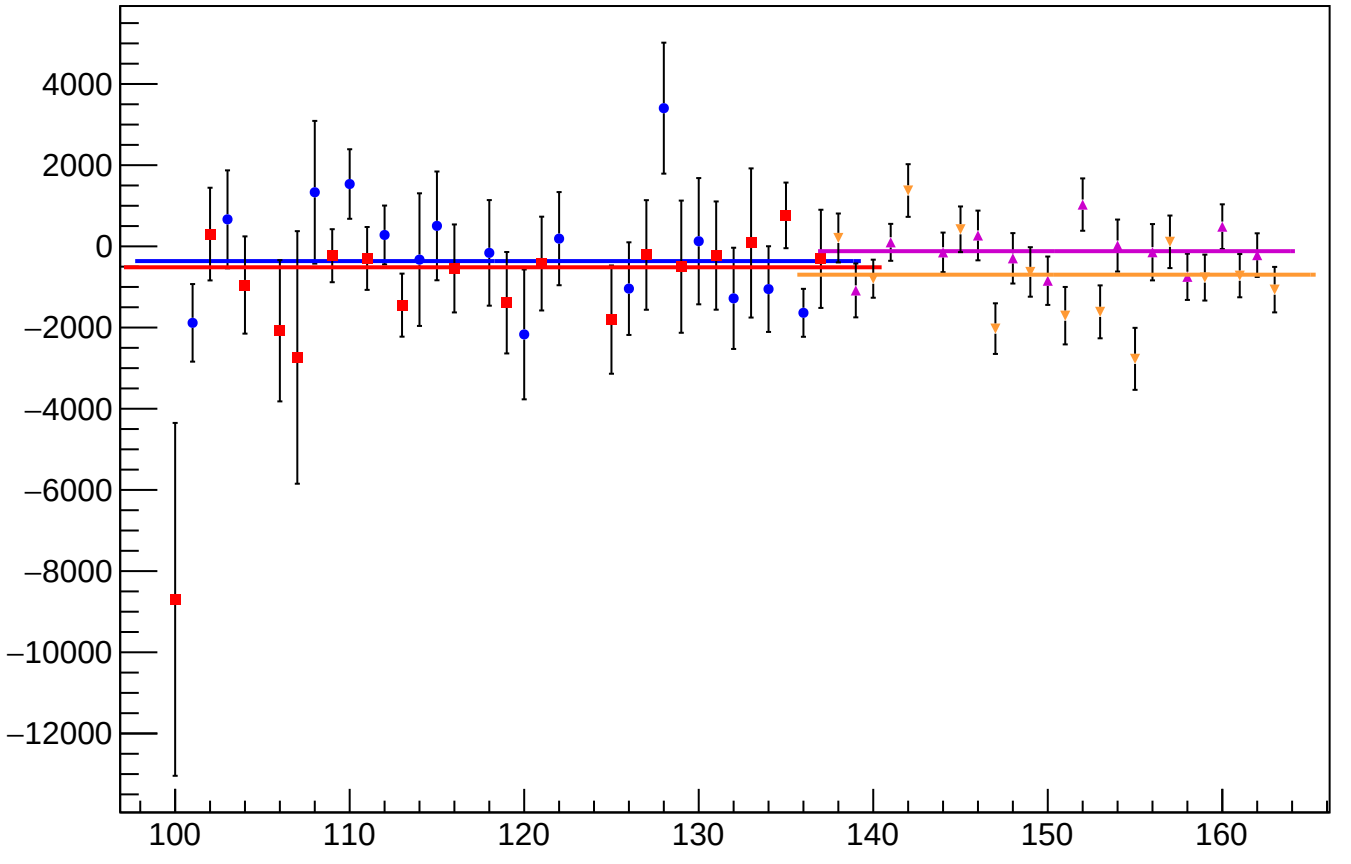
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 777.776+/-0.171 χ^2/NDF:2291.2/11

+ sign 776.745+/-0.131 χ^2/NDF: 13443.7/28

All: 777.939+/-0.092 χ^2/NDF: 23640.2/58

- sign 779.134+/-0.131 χ^2/NDF: 10029.8/29



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

Left Out: -697.709+/-165.777 χ^2/NDF:34.4/12

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

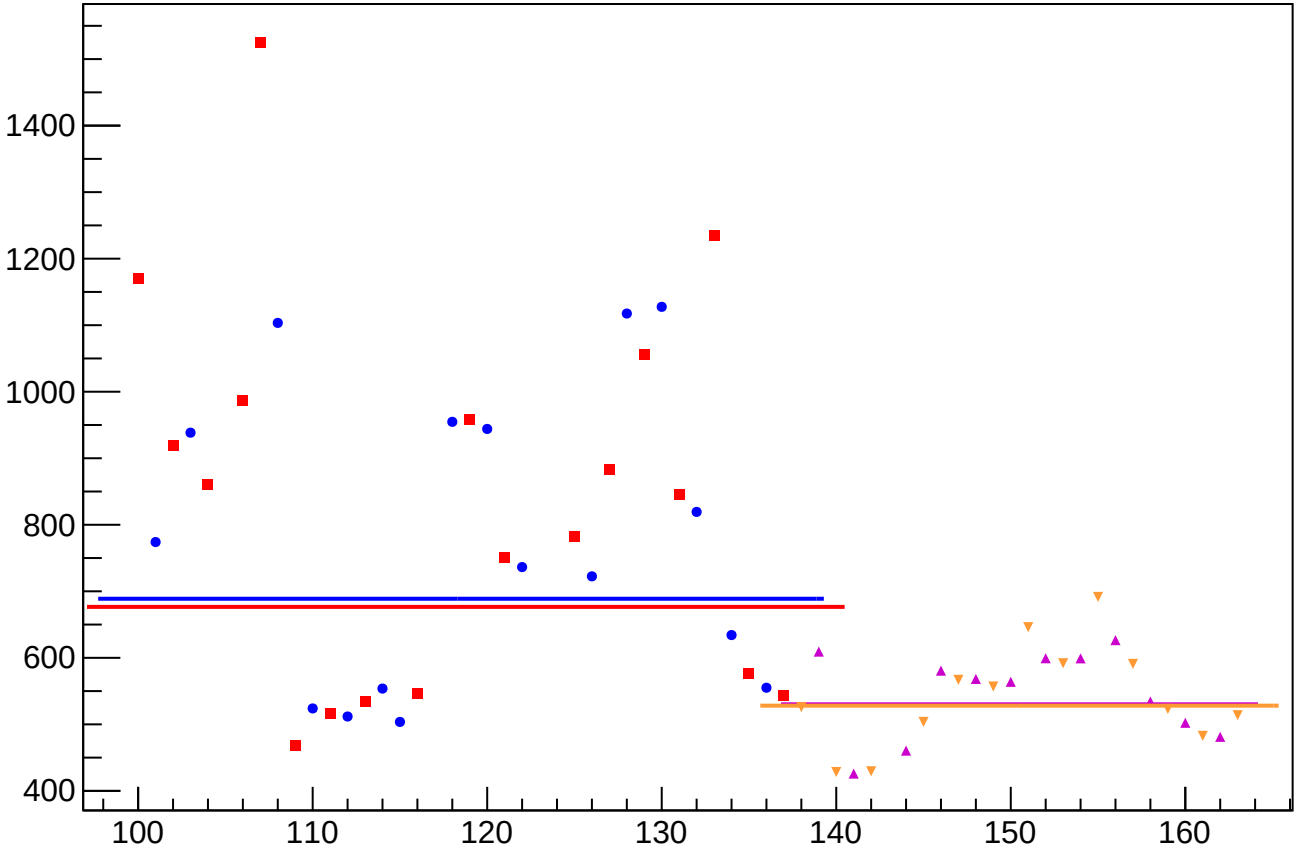
Left In: -118.465+/-166.307 χ^2/NDF:10.0/11

+ sign -604.571+/-140.851 χ^2/NDF: 58.9/28

All: -417.780+/-99.511 χ^2/NDF: 85.5/58

- sign -231.632+/-140.608 χ^2/NDF: 23.0/29

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 528.110+/-0.117 χ^2/NDF:353769.7/12

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

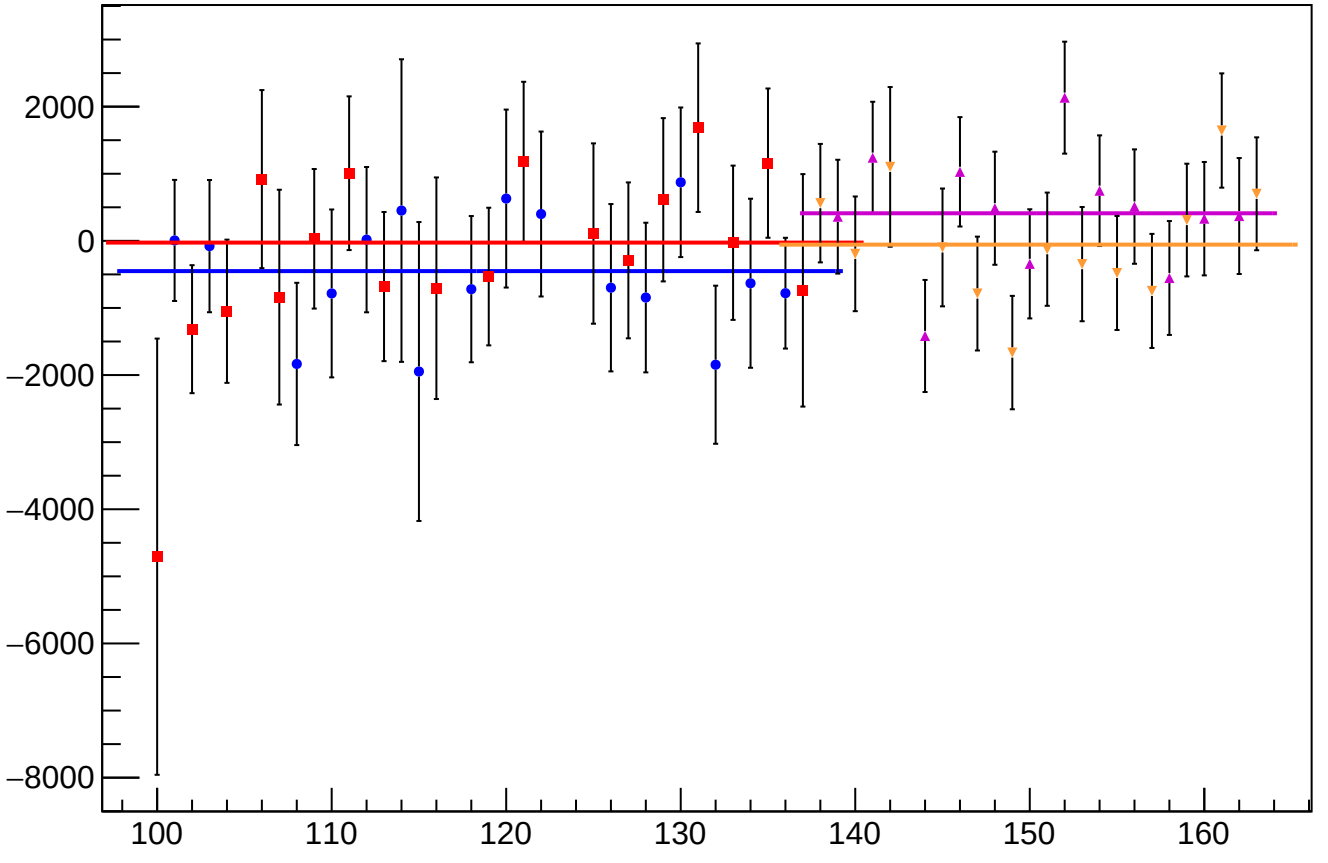
Left In: 530.171+/-0.118 χ^2/NDF:308505.0/11

+ sign 572.807+/-0.100 χ^2/NDF: 1904685.5/28

All: 572.363+/-0.070 χ^2/NDF: 3963251.5/58

- sign 571.921+/-0.099 χ^2/NDF: 2058526.5/29

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

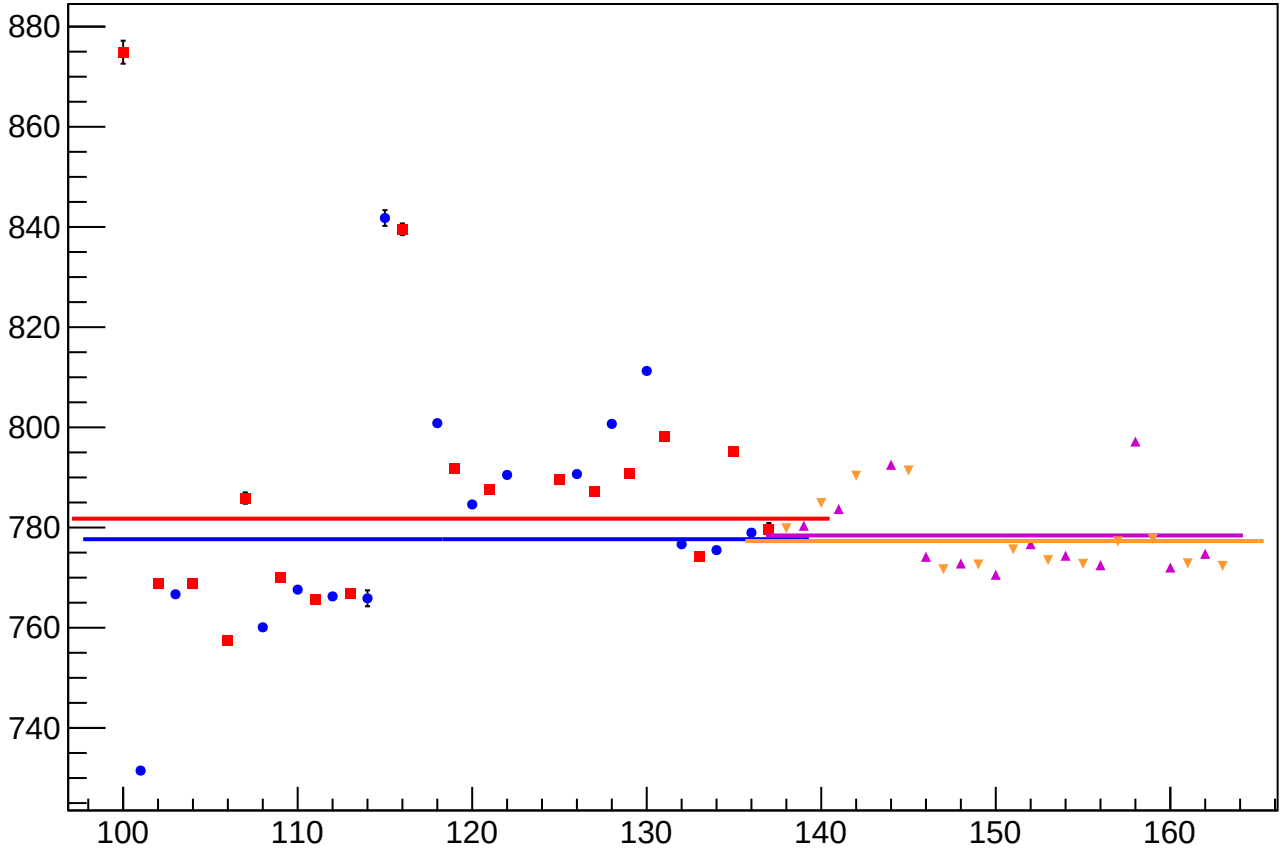
Left In: 410.933+/-241.811 χ^2/NDF:13.0/11

+ sign -218.241+/-185.094 χ^2/NDF: 19.9/28

All: 5.881+/-130.923 χ^2/NDF: 48.8/58

- sign 230.289+/-185.211 χ^2/NDF: 26.0/29

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

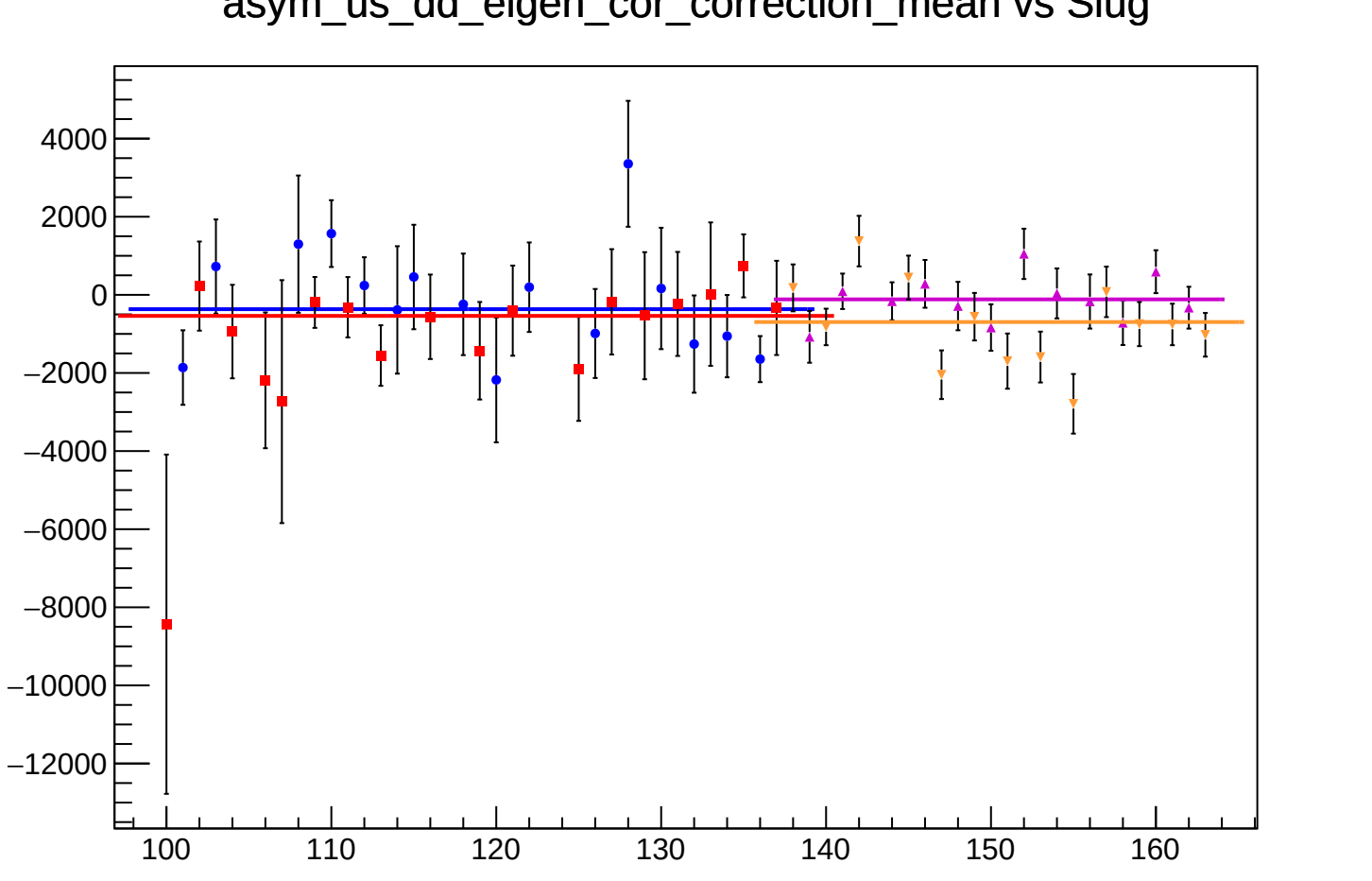
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

+ sign 777.462+/-0.131 χ^2/NDF: 13366.4/28

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58

- sign 779.808+/-0.131 χ^2/NDF: 10058.0/29



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

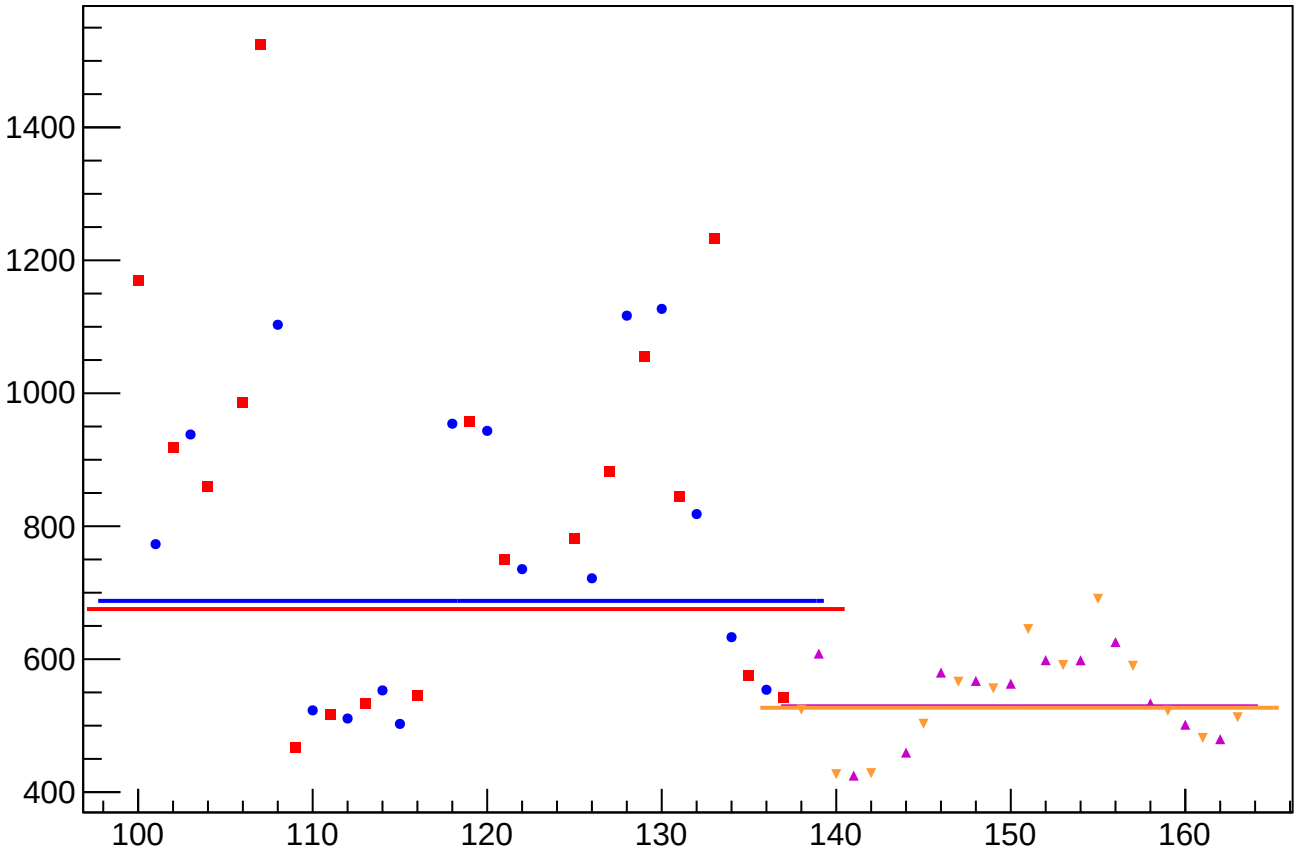
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: -115.853+/-165.991 χ^2/NDF:10.6/11

+ sign -604.414+/-140.585 χ^2/NDF: 58.9/28

All: -420.119+/-99.328 χ^2/NDF: 86.4/58

- sign -236.423+/-140.357 χ^2/NDF: 24.1/29



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

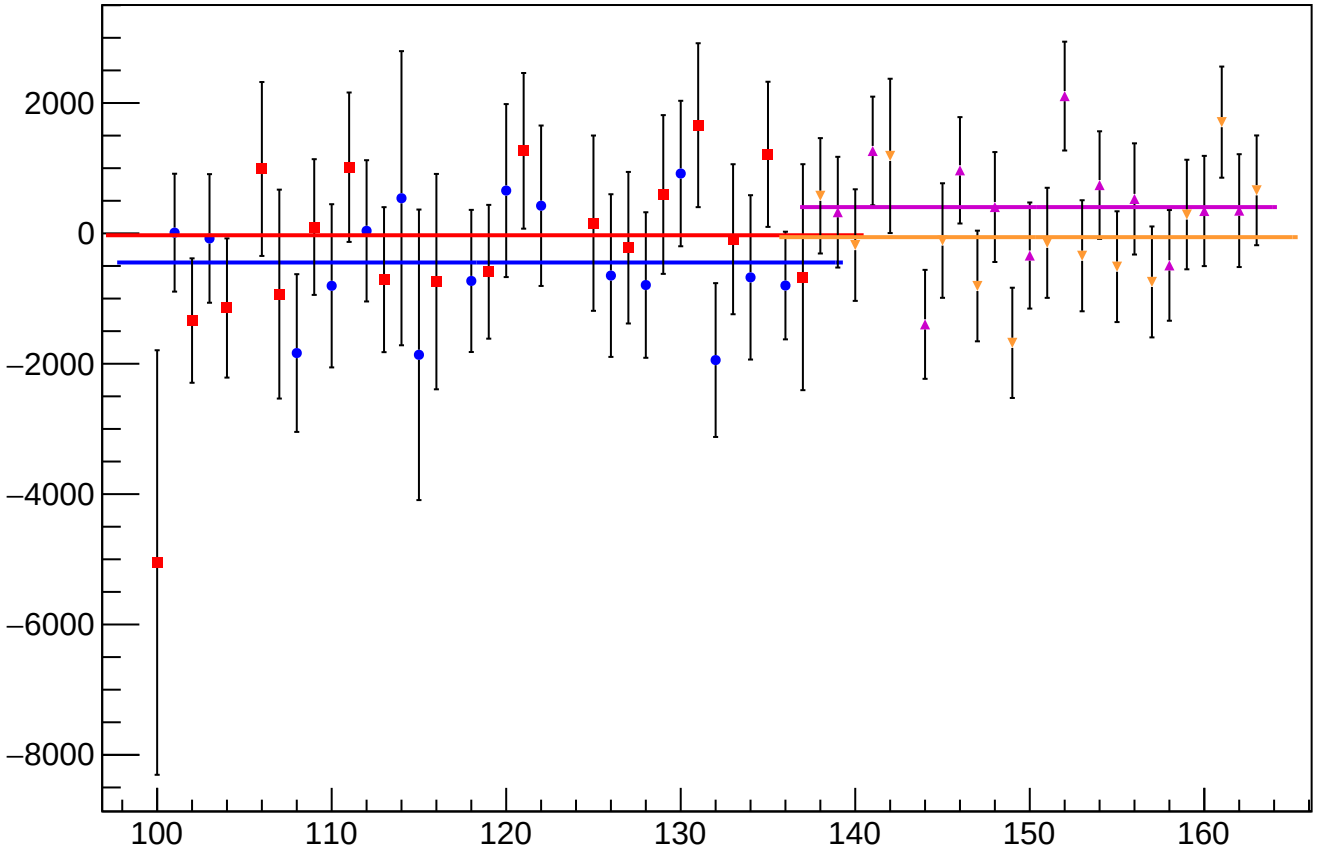
Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

+ sign 571.638+/-0.099 χ^2/NDF: 1913320.4/28

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58

- sign 570.816+/-0.099 χ^2/NDF: 2066760.9/29

dit_asym_us_dd_mean vs Slug



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

Left Out: -57.925+/-241.219 χ^2/NDF:12.3/12

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

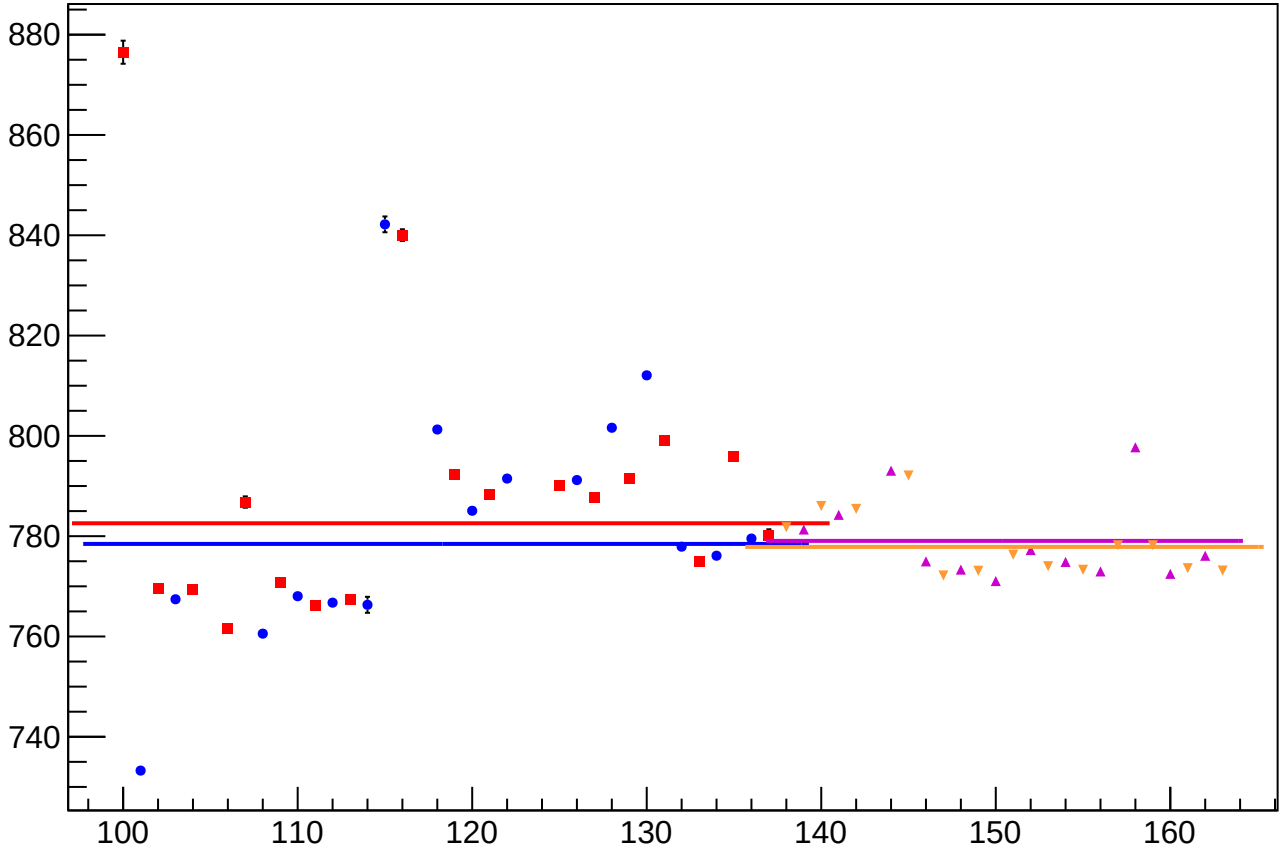
Left In: 403.081+/-242.009 χ^2/NDF:12.5/11

+ sign -217.388+/-185.251 χ^2/NDF: 20.7/28

All: 3.460+/-131.037 χ^2/NDF: 50.0/58

- sign 224.612+/-185.378 χ^2/NDF: 26.4/29

dit_asym_us_dd_rms vs Slug



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

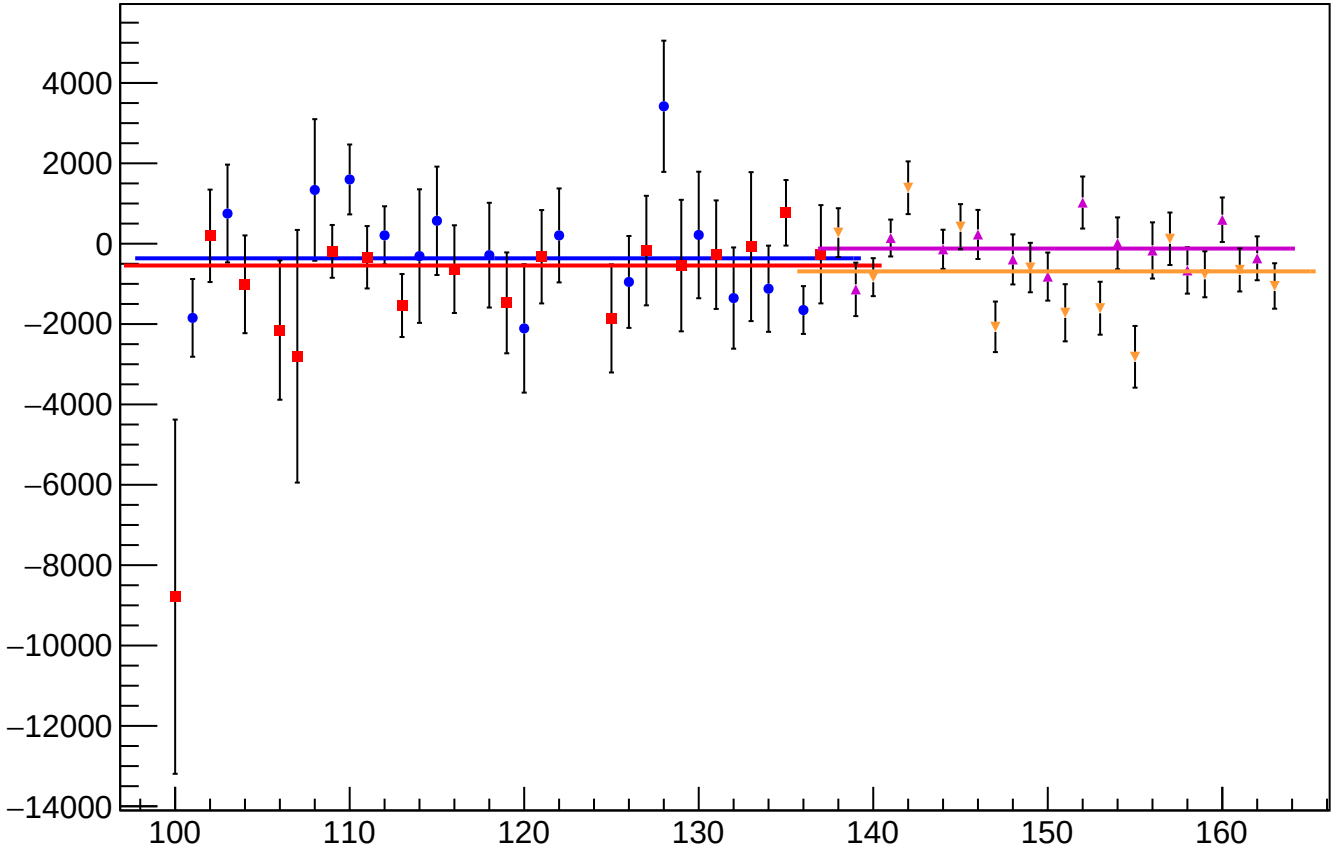
Left In: 779.061+/-0.171 χ^2/NDF:2262.0/11

\+ sign 778.105+/-0.131 χ^2/NDF: 12999.5/28

All: 779.308+/-0.093 χ^2/NDF: 23086.1/58

\- sign 780.513+/-0.131 χ^2/NDF: 9917.7/29

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

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

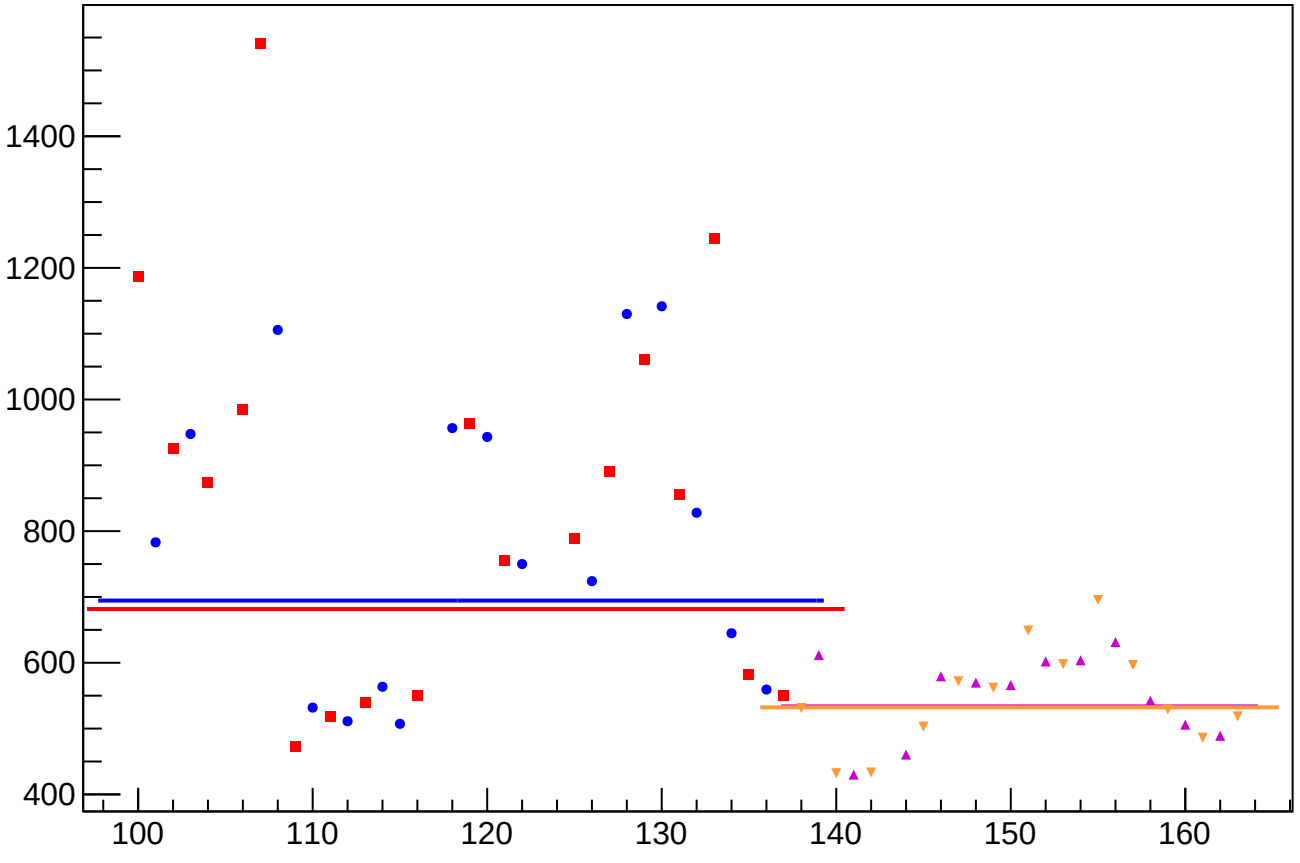
Left In: -121.099+/-167.372 χ^2/NDF:10.5/11

+ sign -598.790+/-141.978 χ^2/NDF: 59.5/28

All: -419.456+/-100.243 χ^2/NDF: 86.7/58

- sign -241.196+/-141.552 χ^2/NDF: 24.0/29

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 532.296+/-0.118 χ^2/NDF:352704.0/12

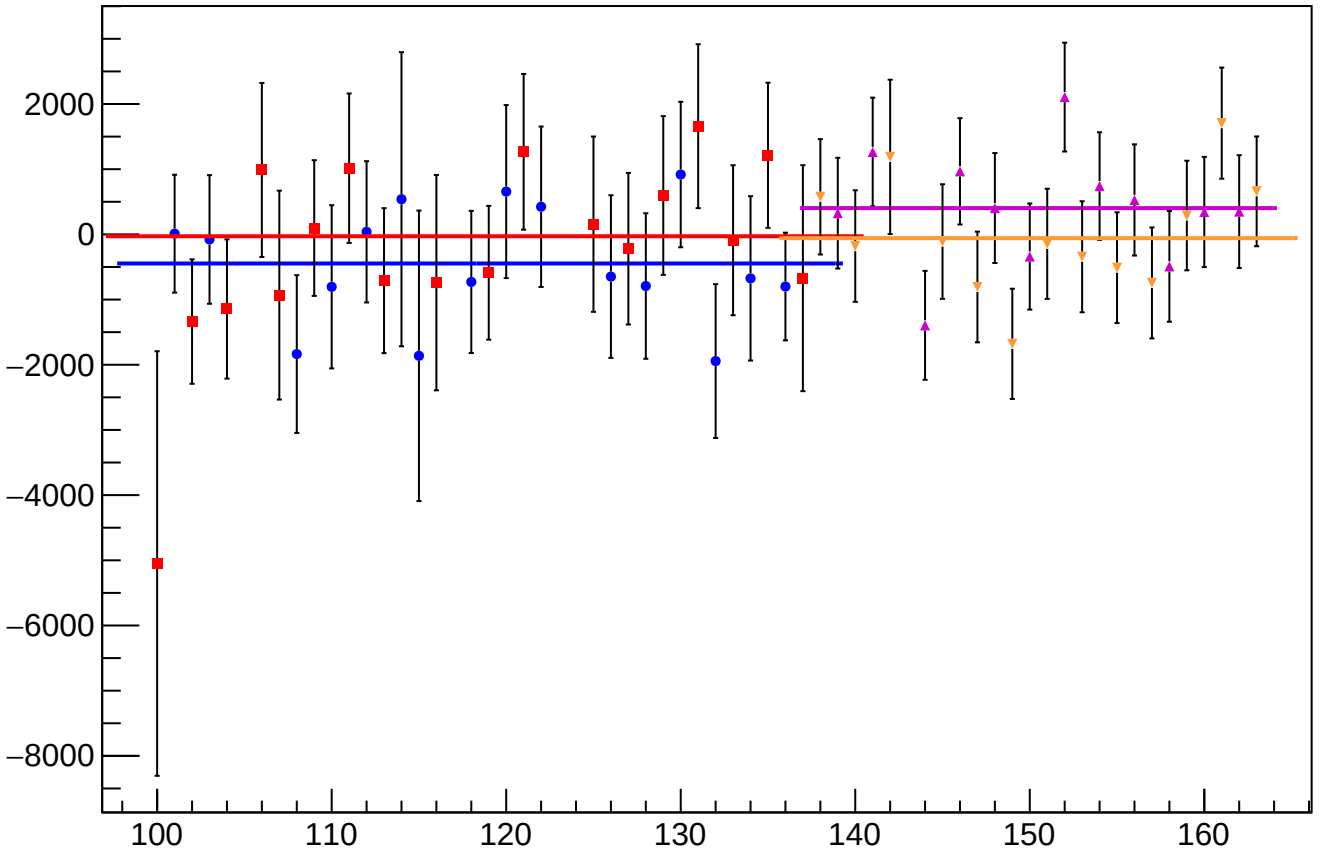
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 533.730+/-0.118 χ^2/NDF:301975.0/11

+ sign 577.382+/-0.100 χ^2/NDF: 1906593.6/28

All: 576.626+/-0.071 χ^2/NDF: 3965362.5/58

- sign 575.875+/-0.100 χ^2/NDF: 2058655.9/29



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

Left Out: -57.927+/-241.219 χ^2/NDF:12.3/12

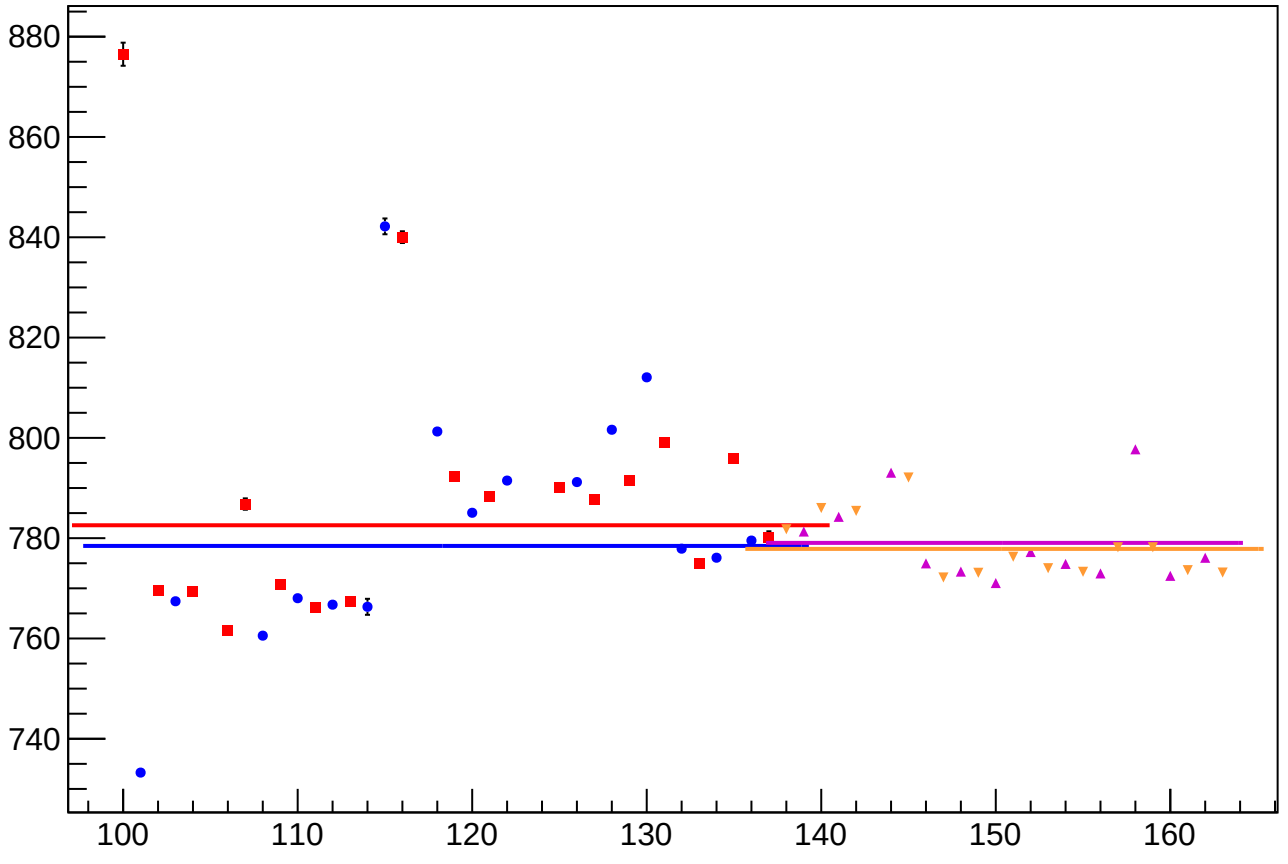
Right Out: -28.786+/-288.372 χ^2/NDF: 12.6/17

Left In: 403.080+/-242.009 χ^2/NDF:12.5/11

+ sign -217.389+/-185.251 χ^2/NDF: 20.7/28

All: 3.459+/-131.037 χ^2/NDF: 50.0/58

- sign 224.612+/-185.378 χ^2/NDF: 26.4/29



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

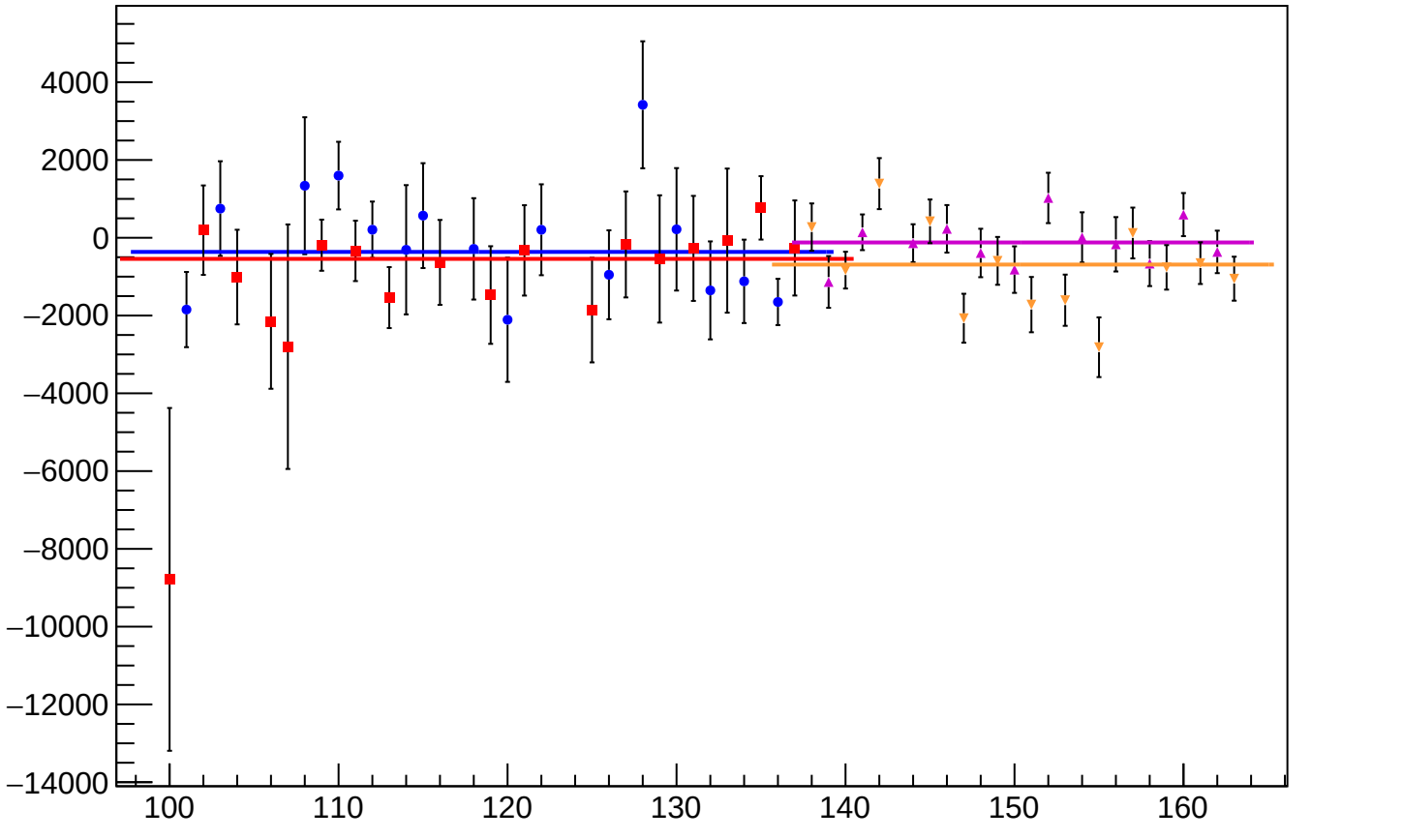
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 779.061+/-0.171 χ^2/NDF:2262.0/11

+ sign 778.105+/-0.131 χ^2/NDF: 12999.5/28

All: 779.308+/-0.093 χ^2/NDF: 23086.0/58

- sign 780.513+/-0.131 χ^2/NDF: 9917.7/29



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

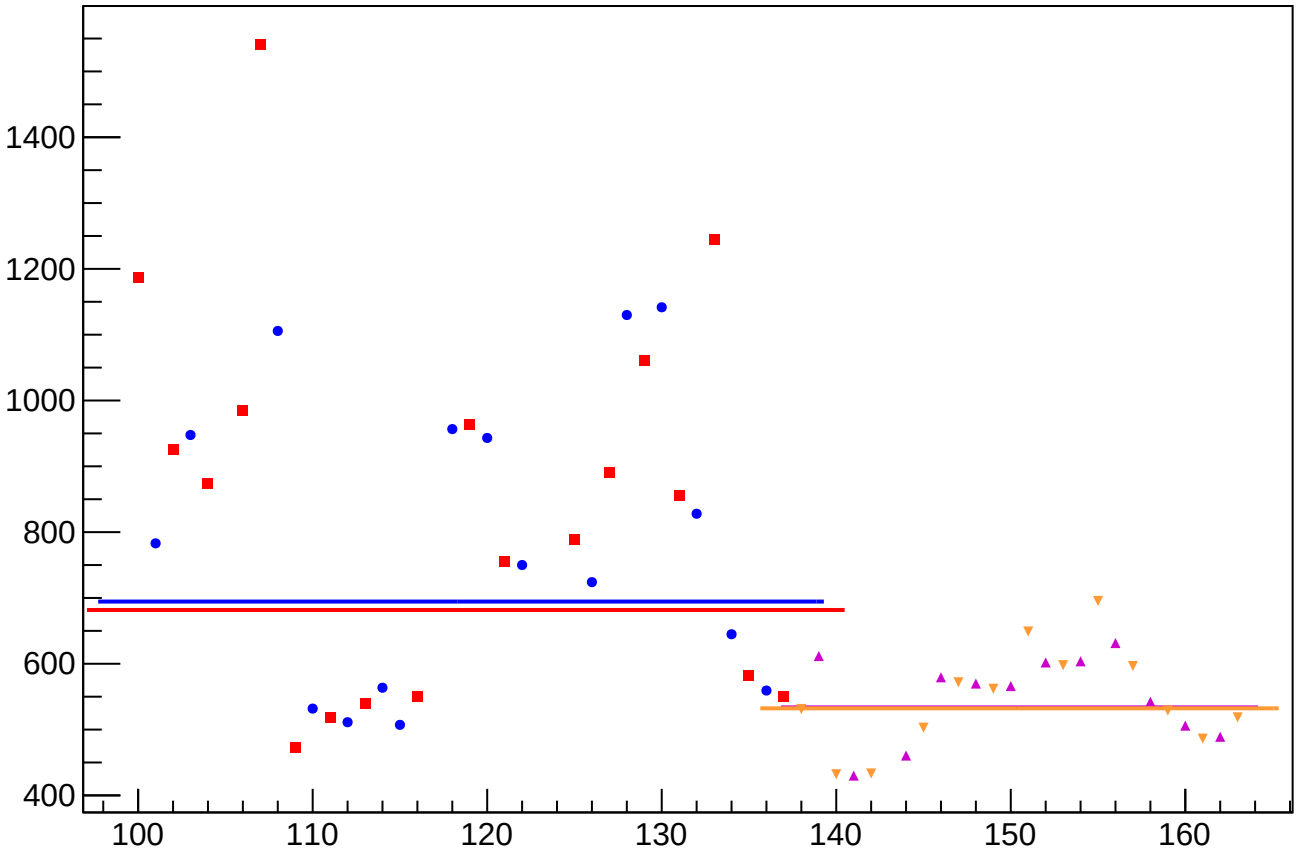
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: -121.098+/-167.373 χ^2/NDF:10.5/11

+ sign -598.787+/-141.978 χ^2/NDF: 59.5/28

All: -419.455+/-100.243 χ^2/NDF: 86.7/58

- sign -241.196+/-141.552 χ^2/NDF: 24.0/29



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

Left Out: 532.296+/-0.118 χ^2/NDF:352716.3/12

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

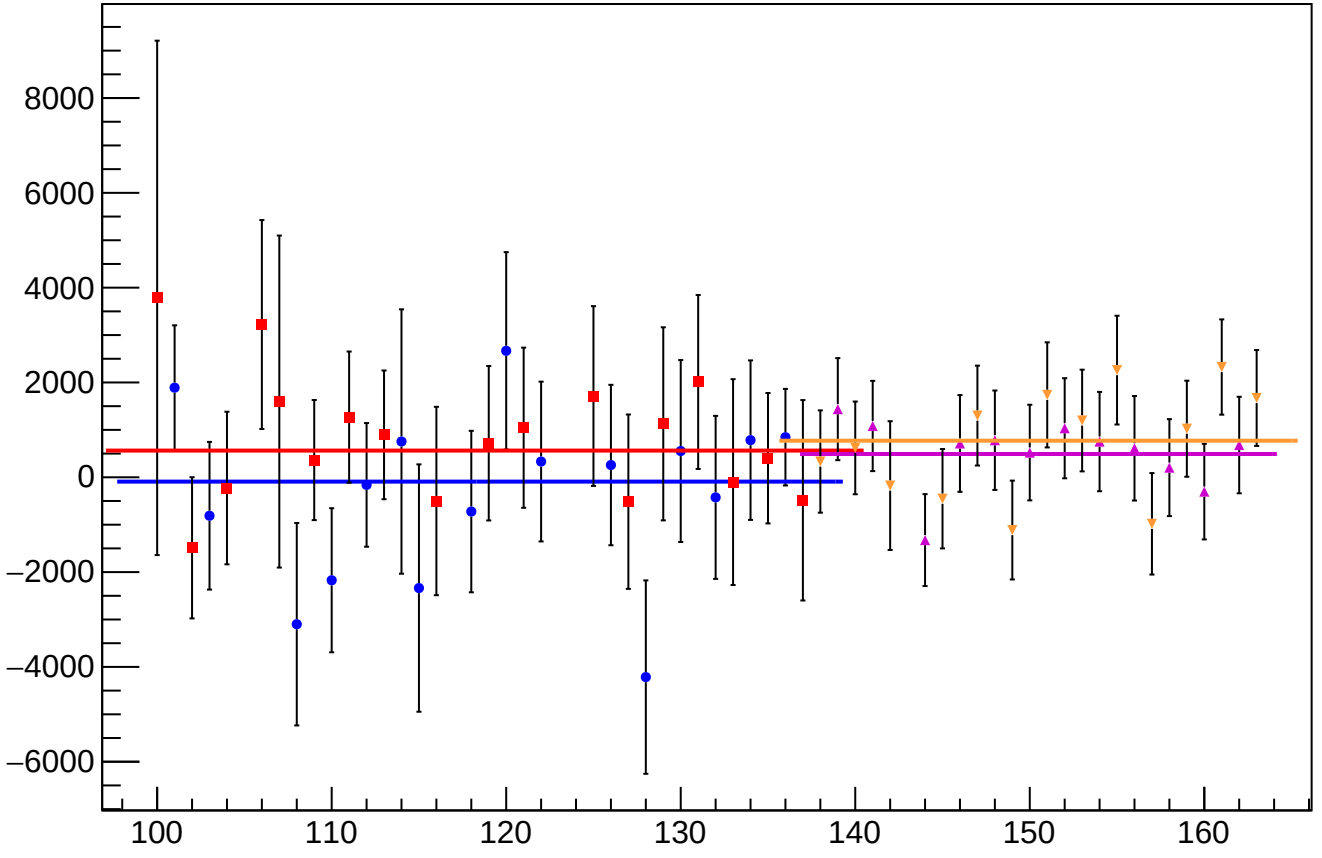
Left In: 533.731+/-0.118 χ^2/NDF:301986.8/11

\+ sign 577.381+/-0.100 χ^2/NDF: 1906597.7/28

All: 576.626+/-0.071 χ^2/NDF: 3965379.0/58

\- sign 575.875+/-0.100 χ^2/NDF: 2058668.3/29

asym_us_dd_mean vs Slug



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

Left Out: 771.974+/-295.701 χ^2/NDF:14.1/12

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

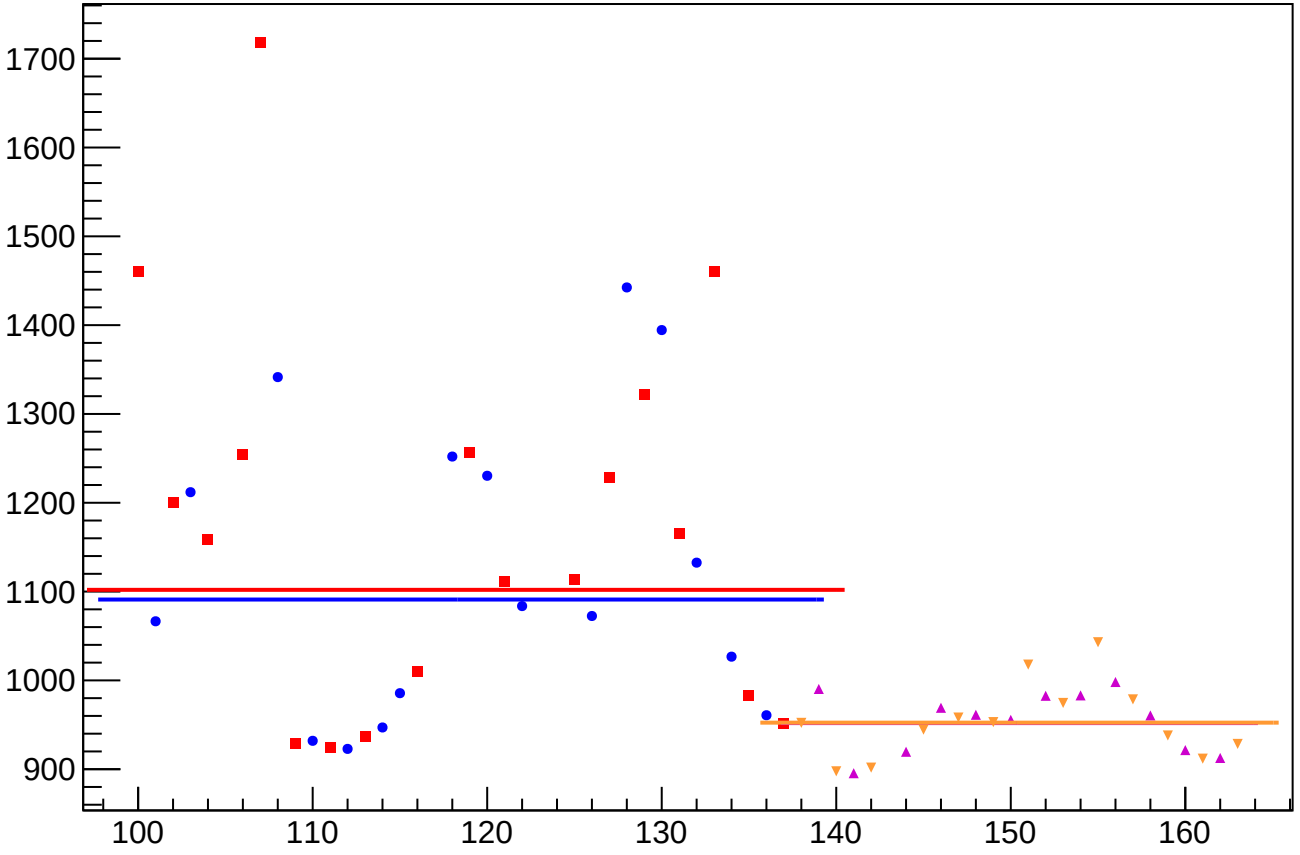
Left In: 491.002+/-295.939 χ^2/NDF:5.9/11

+ sign 476.541+/-239.824 χ^2/NDF: 31.5/28

All: 496.054+/-169.739 χ^2/NDF: 44.0/58

- sign 515.640+/-240.272 χ^2/NDF: 12.4/29

asym_us_dd_rms vs Slug



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

Left Out: 952.422+/-0.209 χ^2/NDF:35483.2/12

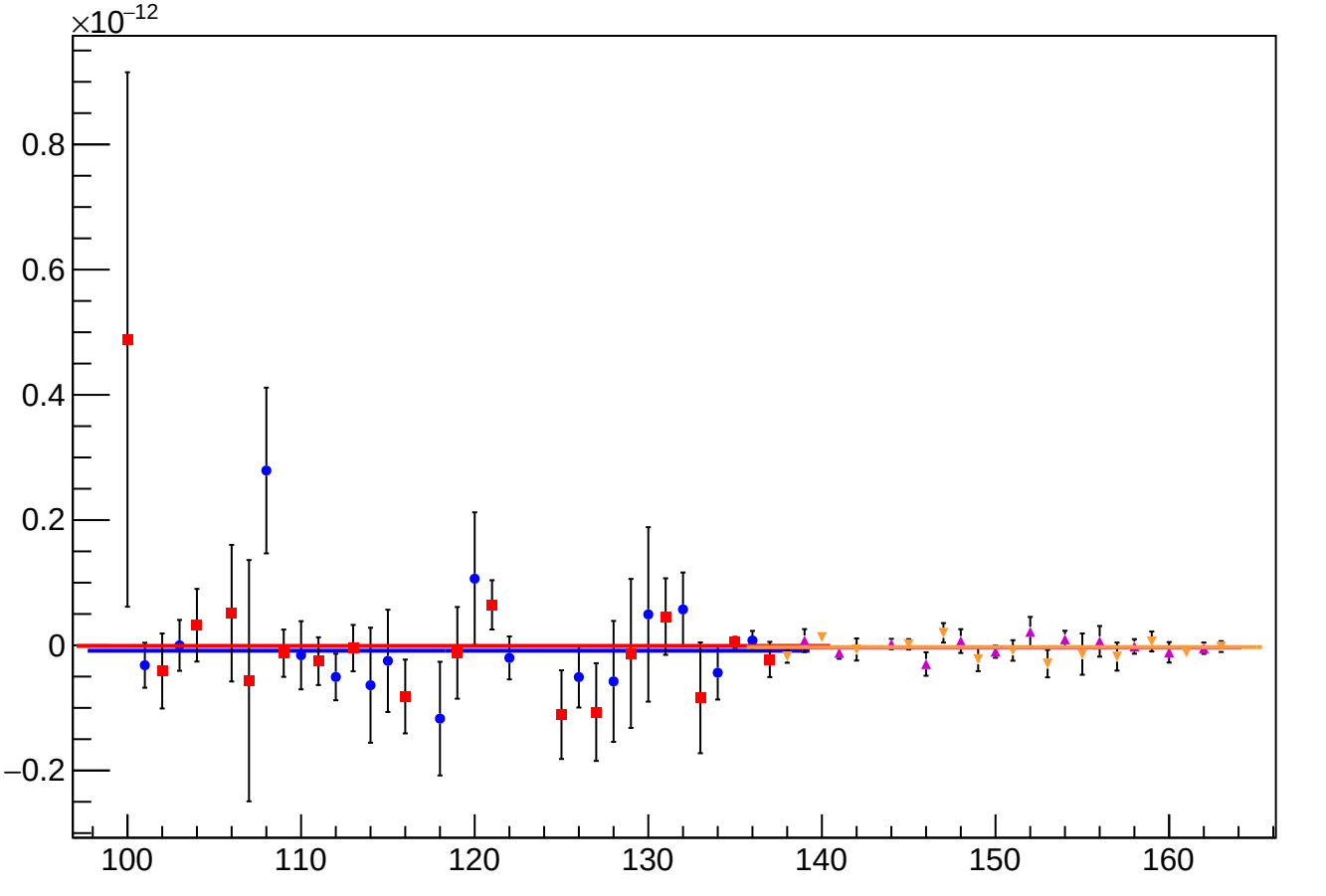
Right Out: 1101.953+/-0.291 χ^2/NDF: 328107.6/17

Left In: 951.916+/-0.209 χ^2/NDF:24474.9/11

+ sign 999.861+/-0.170 χ^2/NDF: 463198.0/28

All: 1001.454+/-0.120 χ^2/NDF: 991163.8/58

- sign 1003.052+/-0.170 χ^2/NDF: 527789.0/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/12

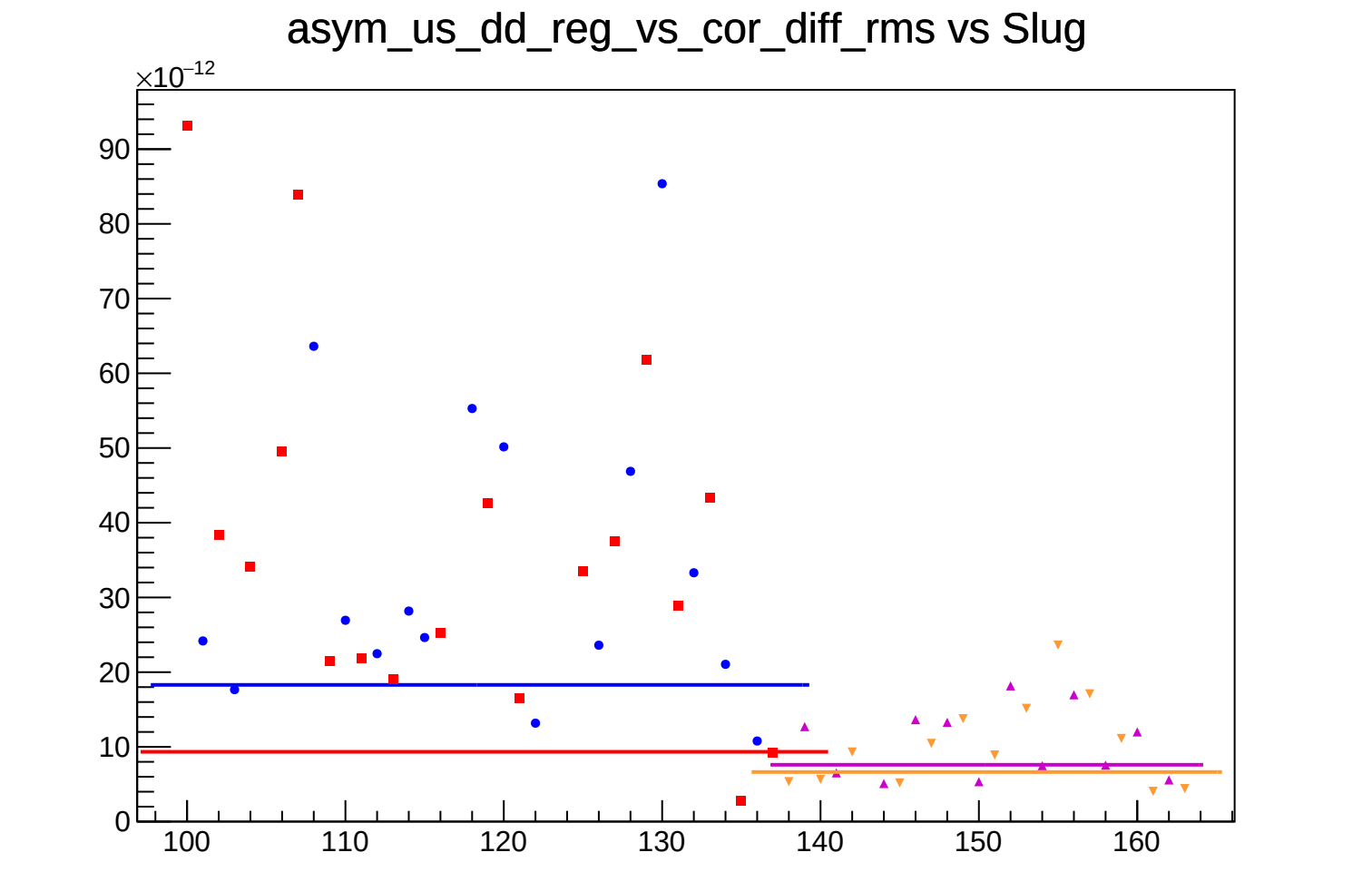
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 27.6/28

All: -0.000+/-0.000 χ^2/NDF: 48.9/58

- sign -0.000+/-0.000 χ^2/NDF: 21.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 2242543.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2396885.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 5140446.0/17

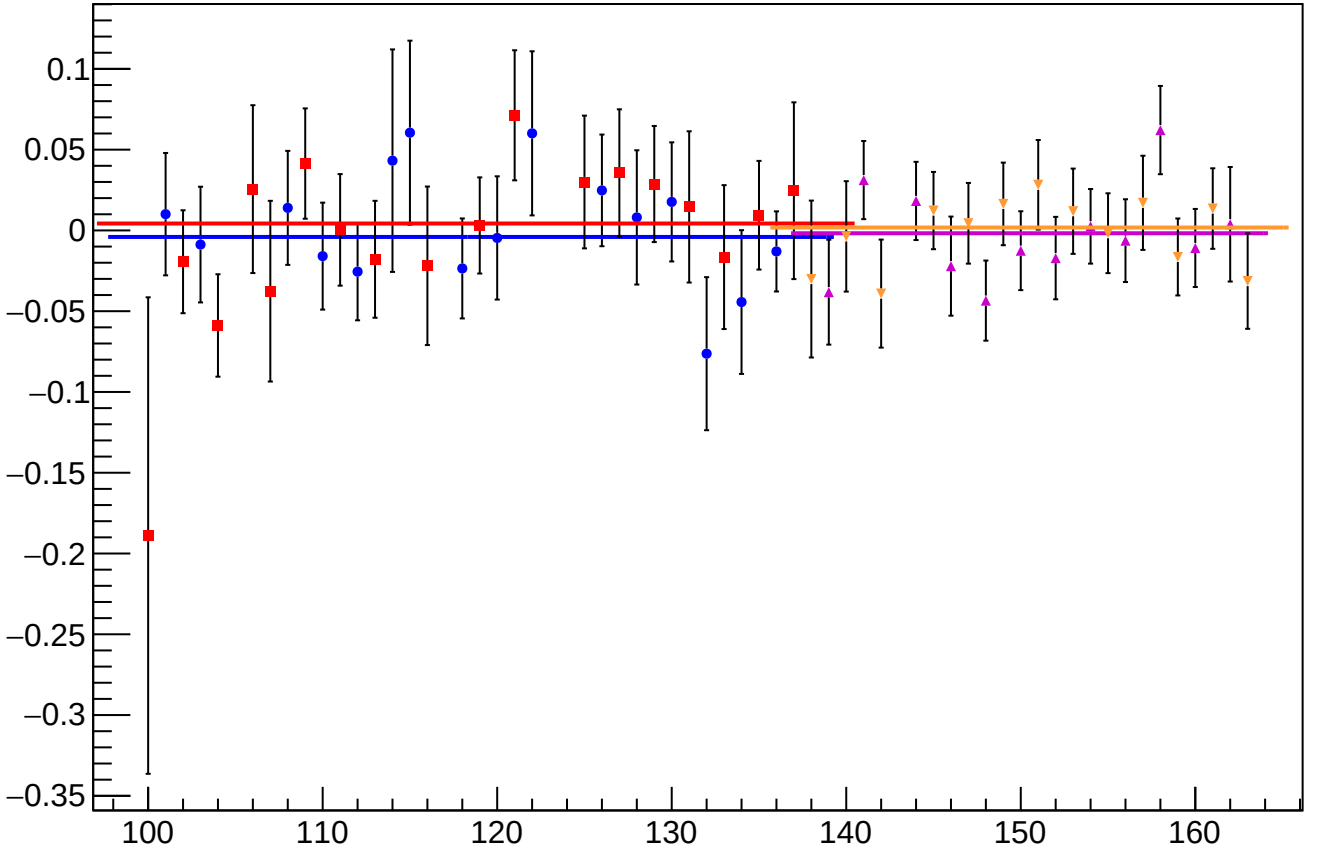
Left In: 0.000+/-0.000 χ^2/NDF:1793464.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 6995153.5/28

All: 0.000+/-0.000 χ^2/NDF: 14025587.7/58

- sign 0.000+/-0.000 χ^2/NDF: 7025094.9/29

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

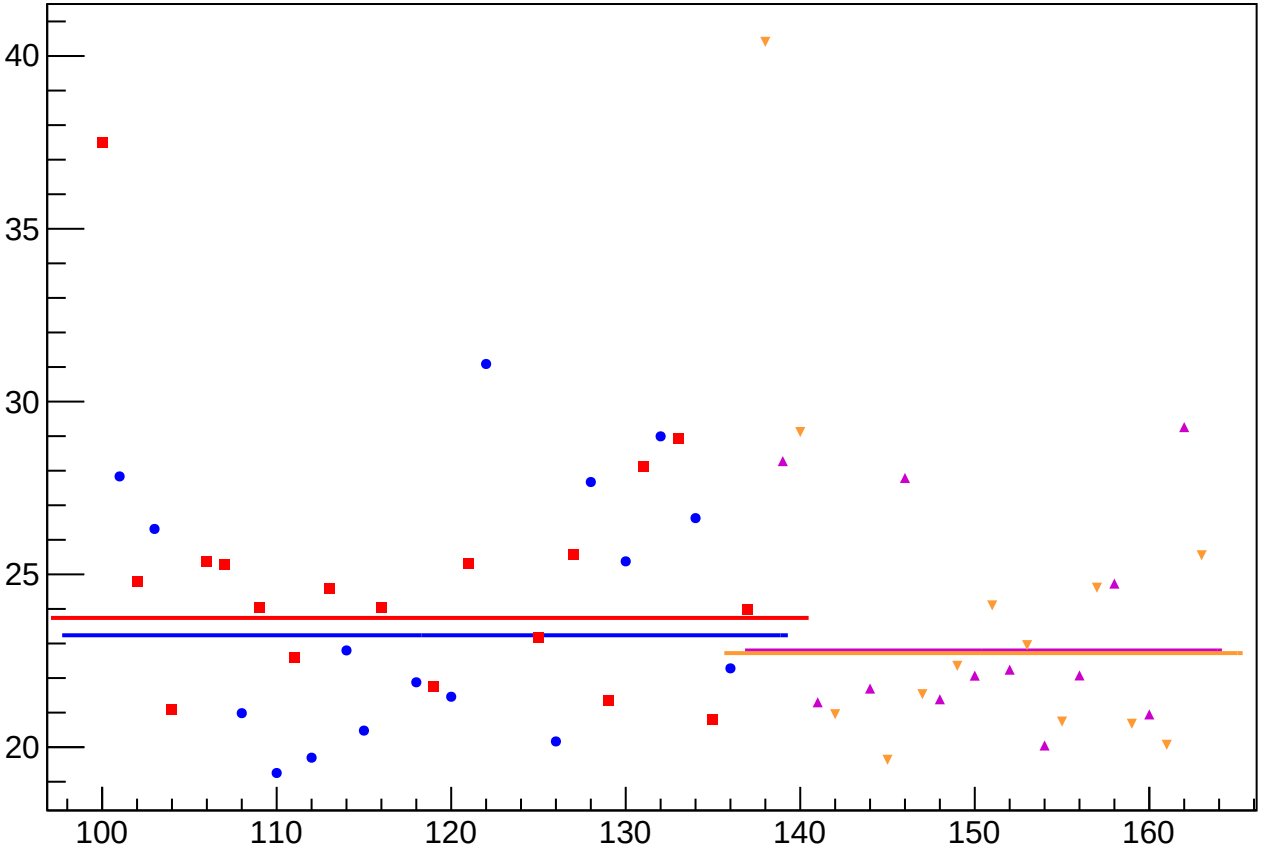
Left In: -0.002+/-0.008 χ^2/NDF:13.3/11

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.000+/-0.004 χ^2/NDF: 42.4/58

- sign 0.001+/-0.006 χ^2/NDF: 27.1/29

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

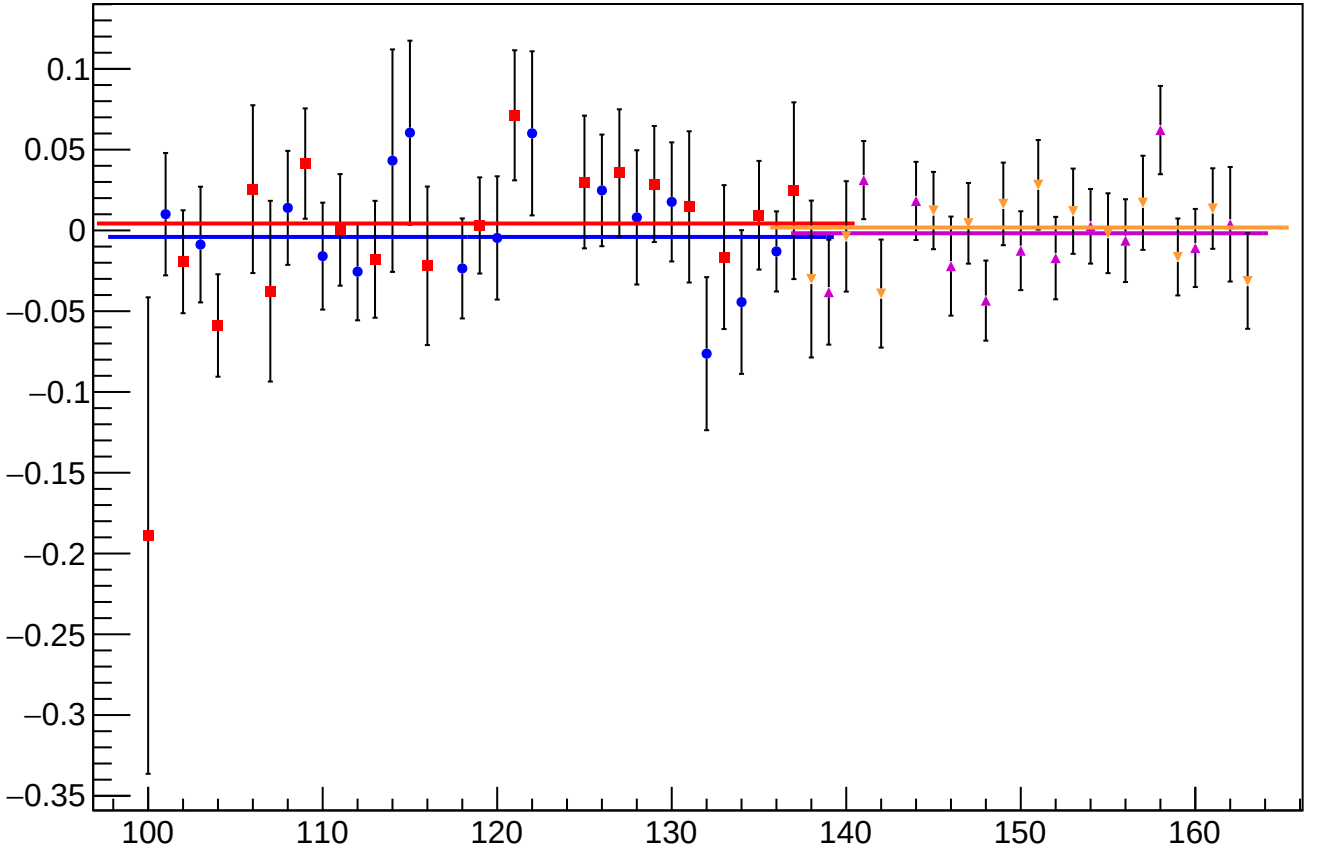
Left In: 22.798+/-0.005 χ^2/NDF:249126.8/11

+ sign 22.931+/-0.004 χ^2/NDF: 724382.0/28

All: 23.052+/-0.003 χ^2/NDF: 1113715.4/58

- sign 23.172+/-0.004 χ^2/NDF: 387655.8/29

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: 0.002+/-0.008 χ^2/NDF:5.9/12

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

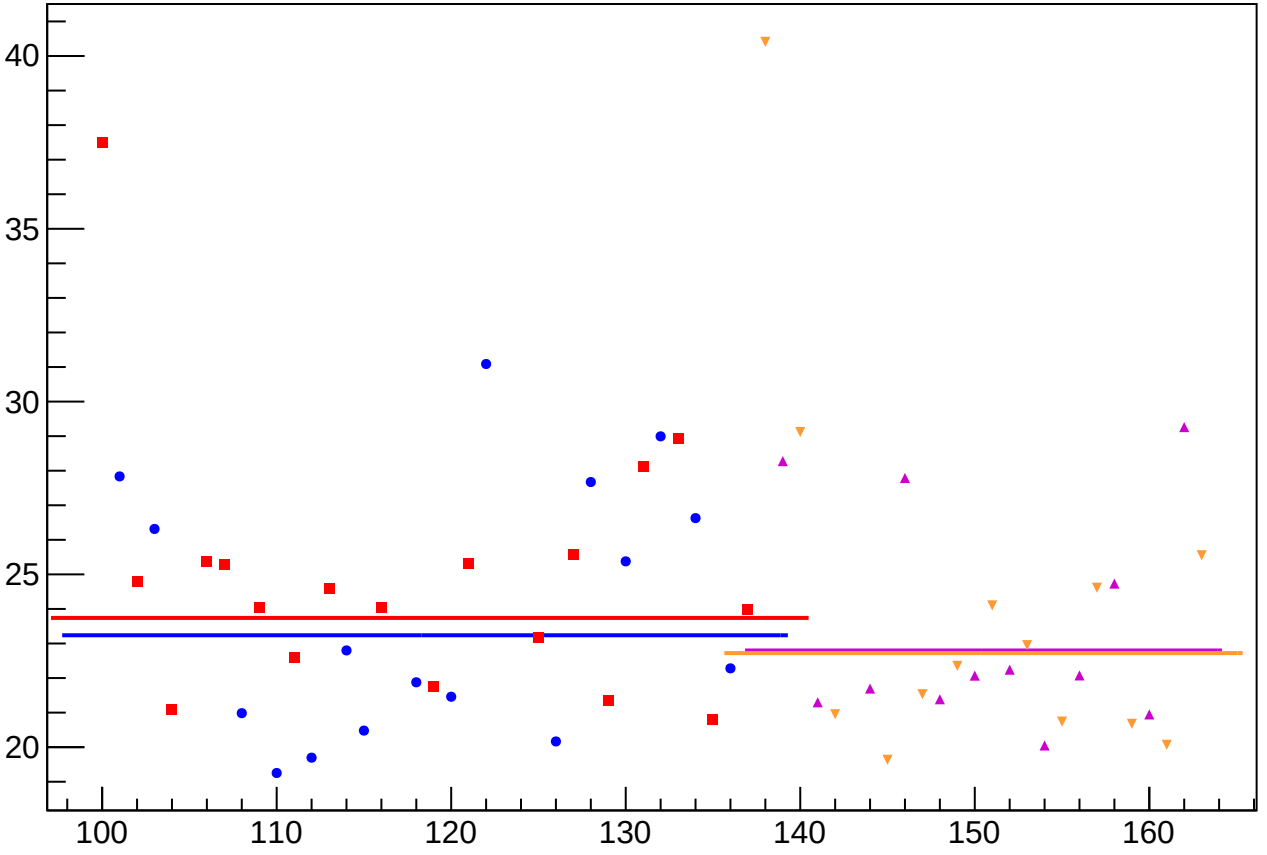
Left In: -0.002+/-0.008 χ^2/NDF:13.3/11

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.000+/-0.004 χ^2/NDF: 42.4/58

- sign 0.001+/-0.006 χ^2/NDF: 27.1/29

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: 22.722+/-0.005 χ^2/NDF:461453.2/12

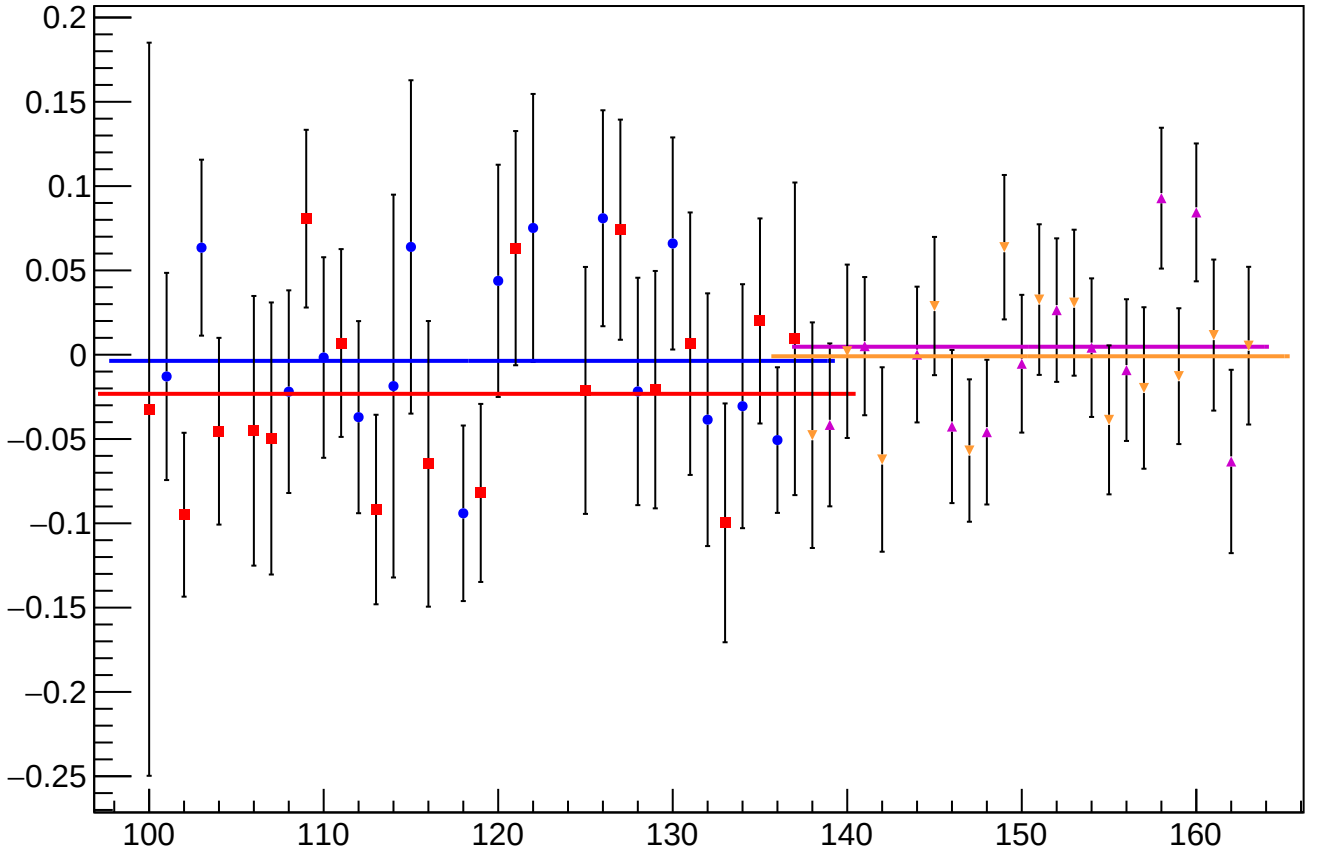
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 22.798+/-0.005 χ^2/NDF:249126.8/11

+ sign 22.931+/-0.004 χ^2/NDF: 724382.0/28

All: 23.052+/-0.003 χ^2/NDF: 1113715.4/58

- sign 23.172+/-0.004 χ^2/NDF: 387655.8/29



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

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

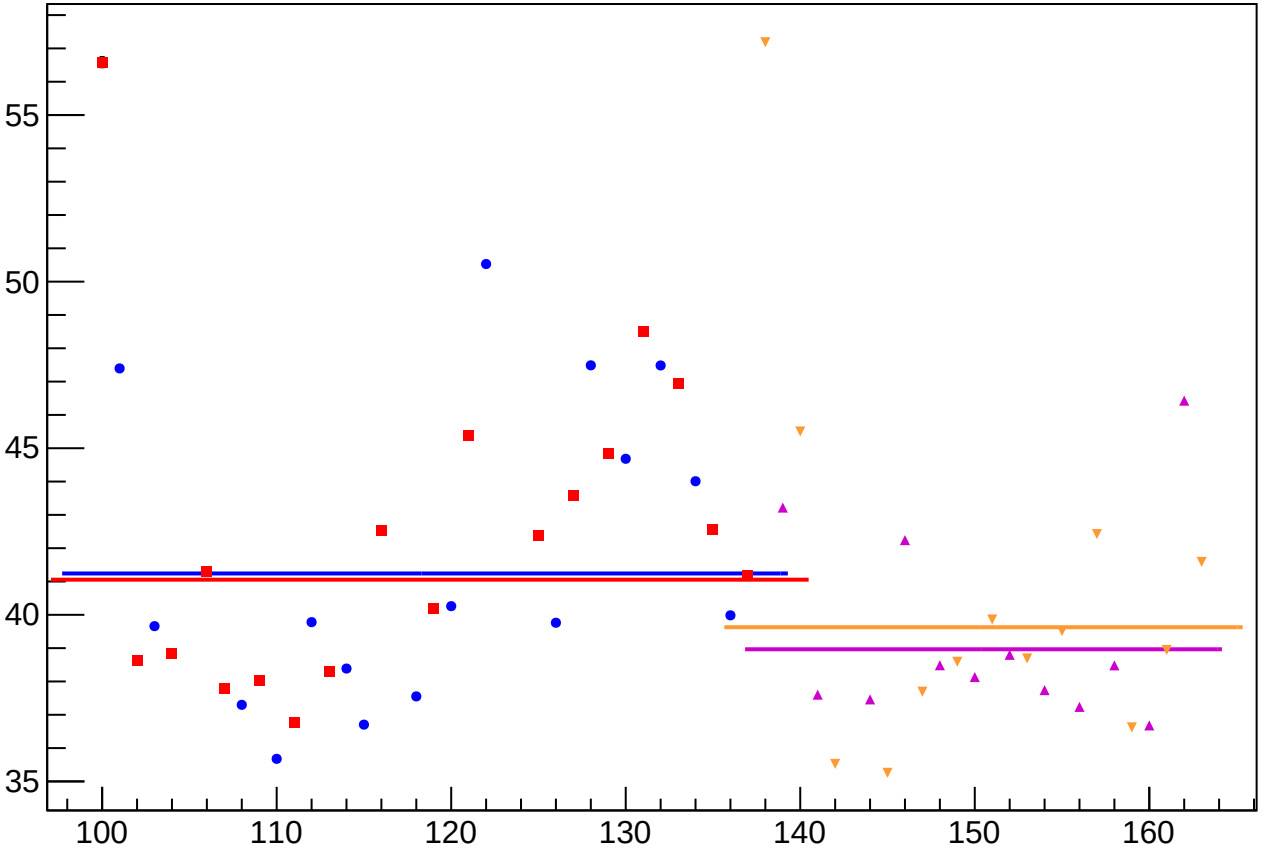
Left In: 0.005+/-0.012 χ^2/NDF:13.7/11

+ sign -0.002+/-0.010 χ^2/NDF: 20.2/28

All: -0.004+/-0.007 χ^2/NDF: 51.3/58

- sign -0.006+/-0.010 χ^2/NDF: 31.0/29

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: 39.628+/-0.009 χ^2/NDF:226099.3/12

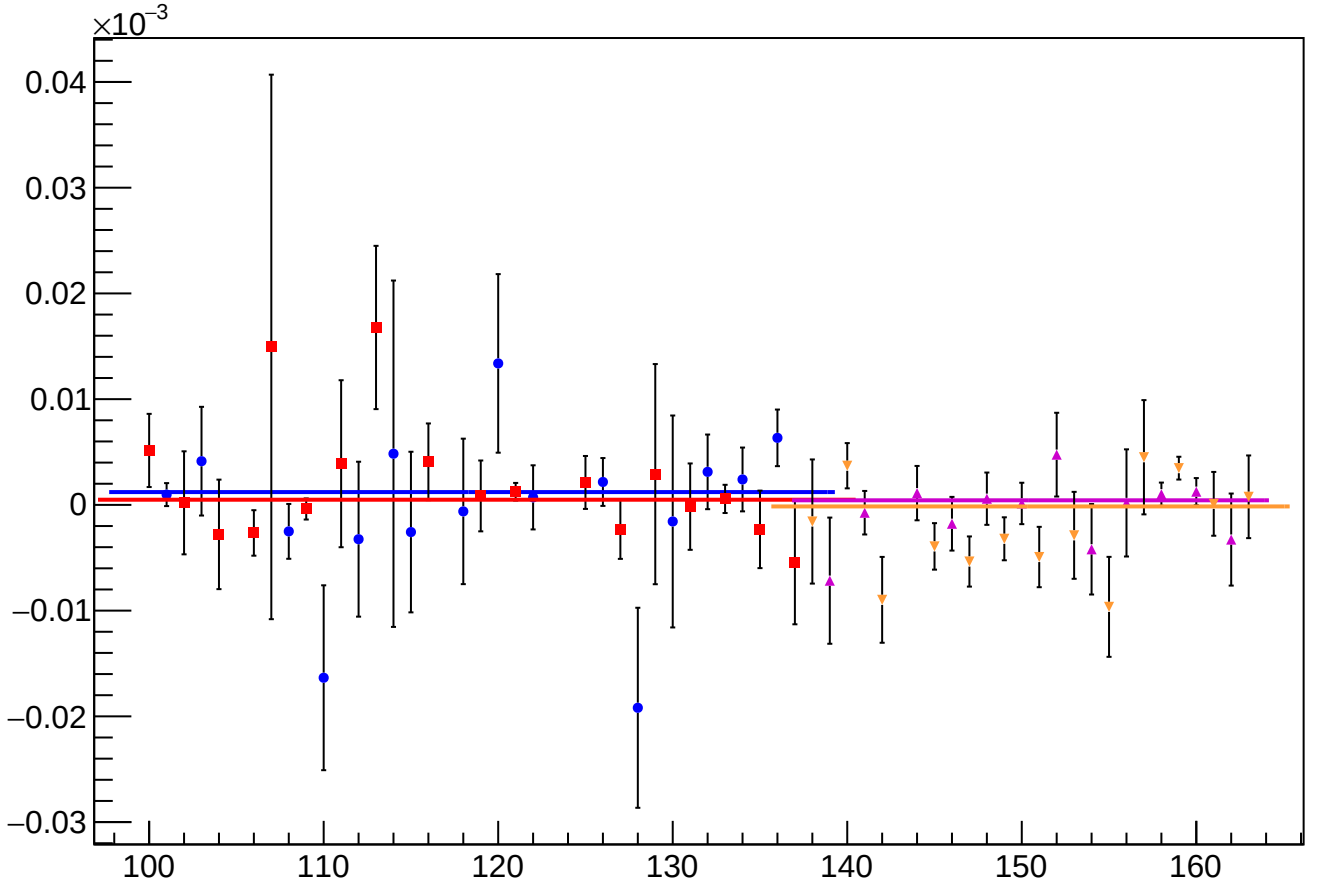
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 38.966+/-0.009 χ^2/NDF:81377.9/11

\+ sign 40.265+/-0.007 χ^2/NDF: 374109.1/28

All: 40.019+/-0.005 χ^2/NDF: 576590.4/58

\- sign 39.782+/-0.007 χ^2/NDF: 200047.5/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/12

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

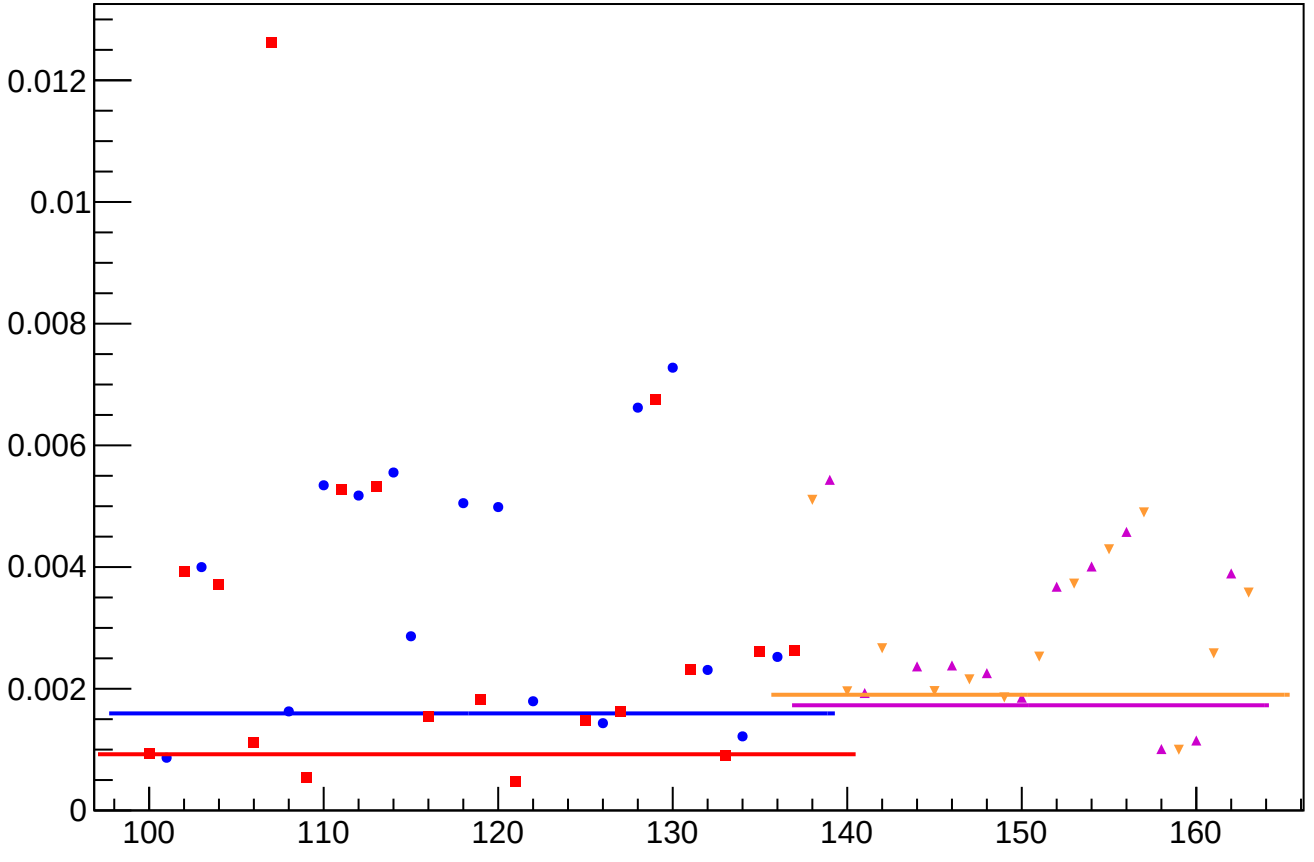
Left In: 0.000+/-0.000 χ^2/NDF:6.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/28

All: 0.000+/-0.000 χ^2/NDF: 79.1/58

- sign 0.000+/-0.000 χ^2/NDF: 21.6/29

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:4185148.5/12

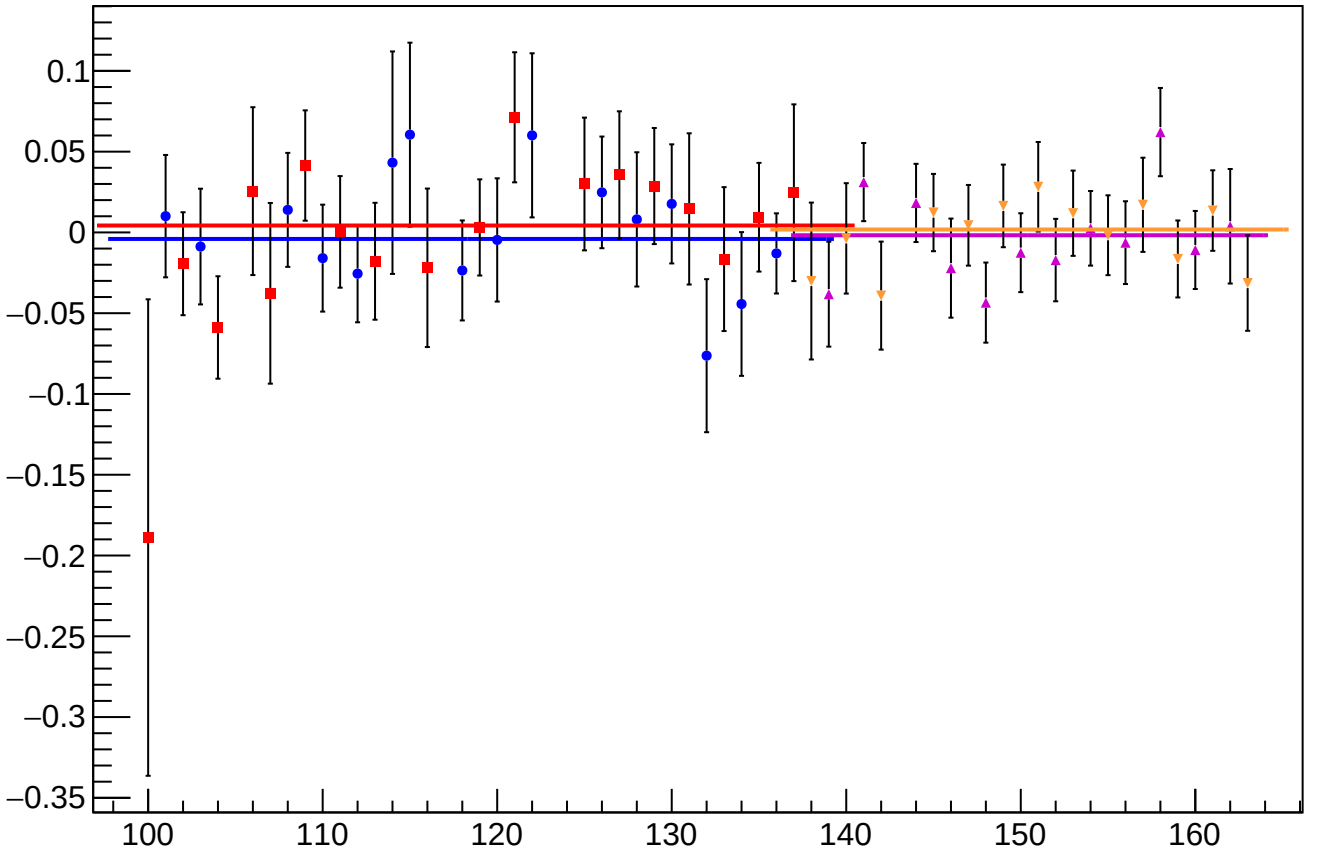
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:4586104.4/11

+ sign 0.002+/-0.000 χ^2/NDF: 9133085.9/28

All: 0.001+/-0.000 χ^2/NDF: 22945962.4/58

- sign 0.001+/-0.000 χ^2/NDF: 12434380.4/29



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

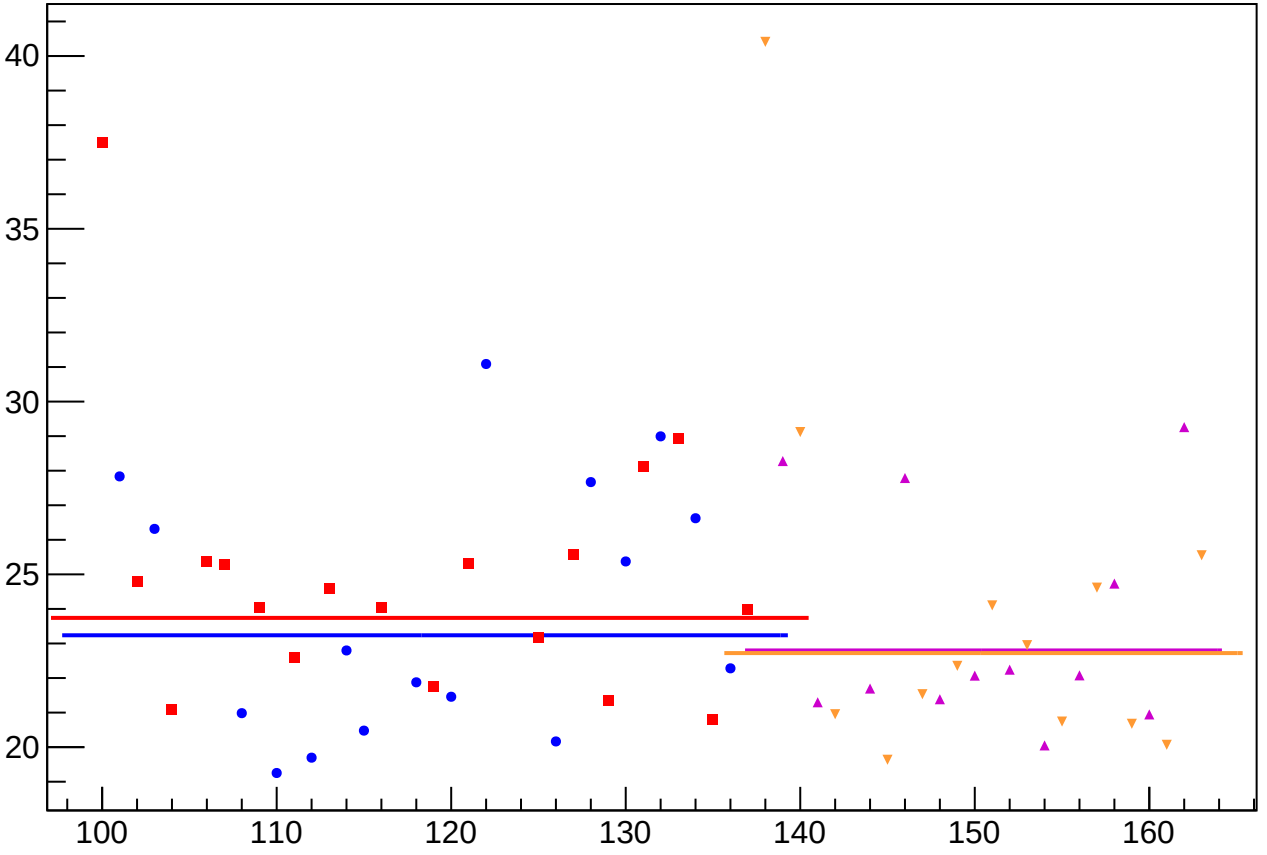
Left In: -0.002+/-0.008 χ^2/NDF:13.3/11

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.000+/-0.004 χ^2/NDF: 42.4/58

- sign 0.001+/-0.006 χ^2/NDF: 27.1/29

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: 22.722+/-0.005 χ^2/NDF:461479.2/12

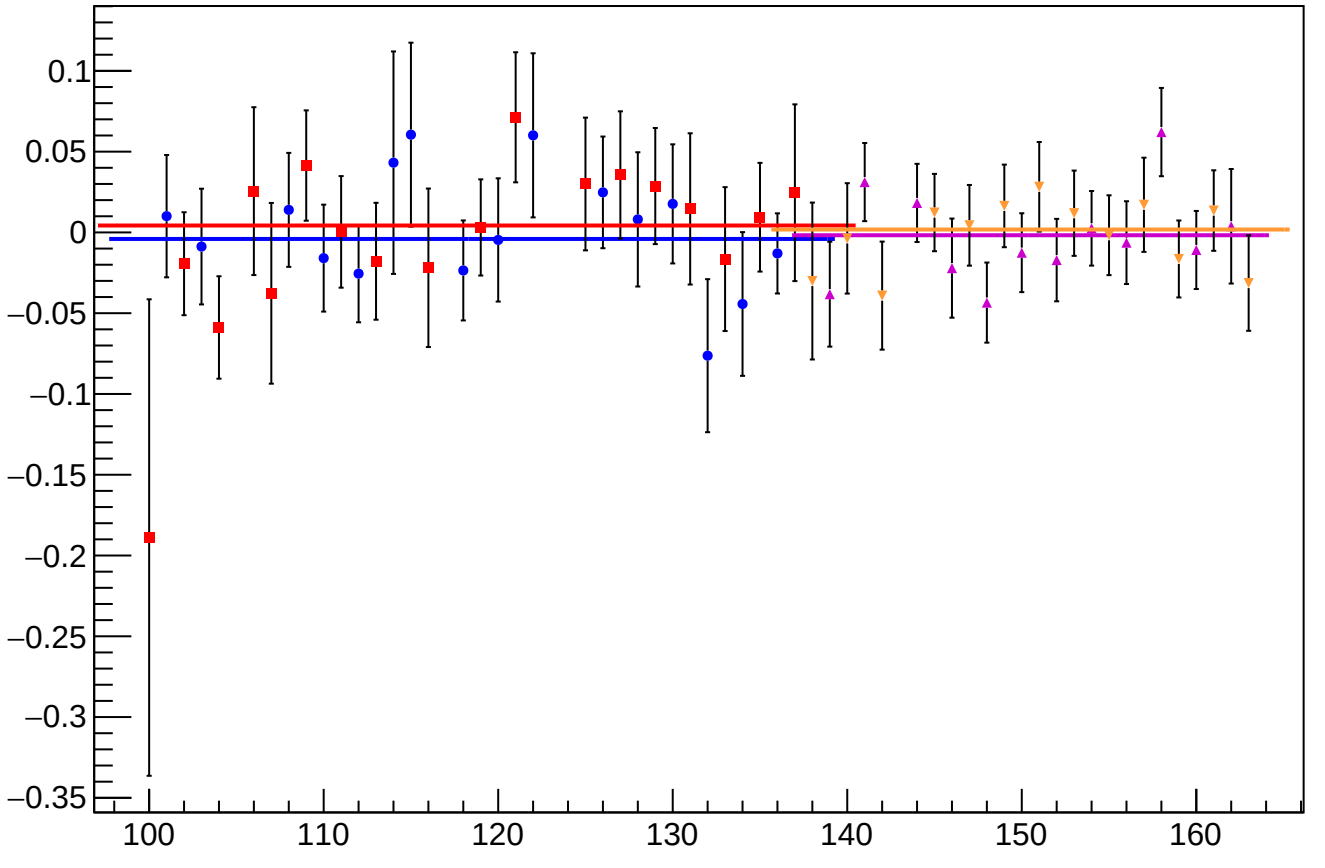
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 22.798+/-0.005 χ^2/NDF:249089.2/11

+ sign 22.931+/-0.004 χ^2/NDF: 724386.3/28

All: 23.052+/-0.003 χ^2/NDF: 1113635.9/58

- sign 23.172+/-0.004 χ^2/NDF: 387565.0/29



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

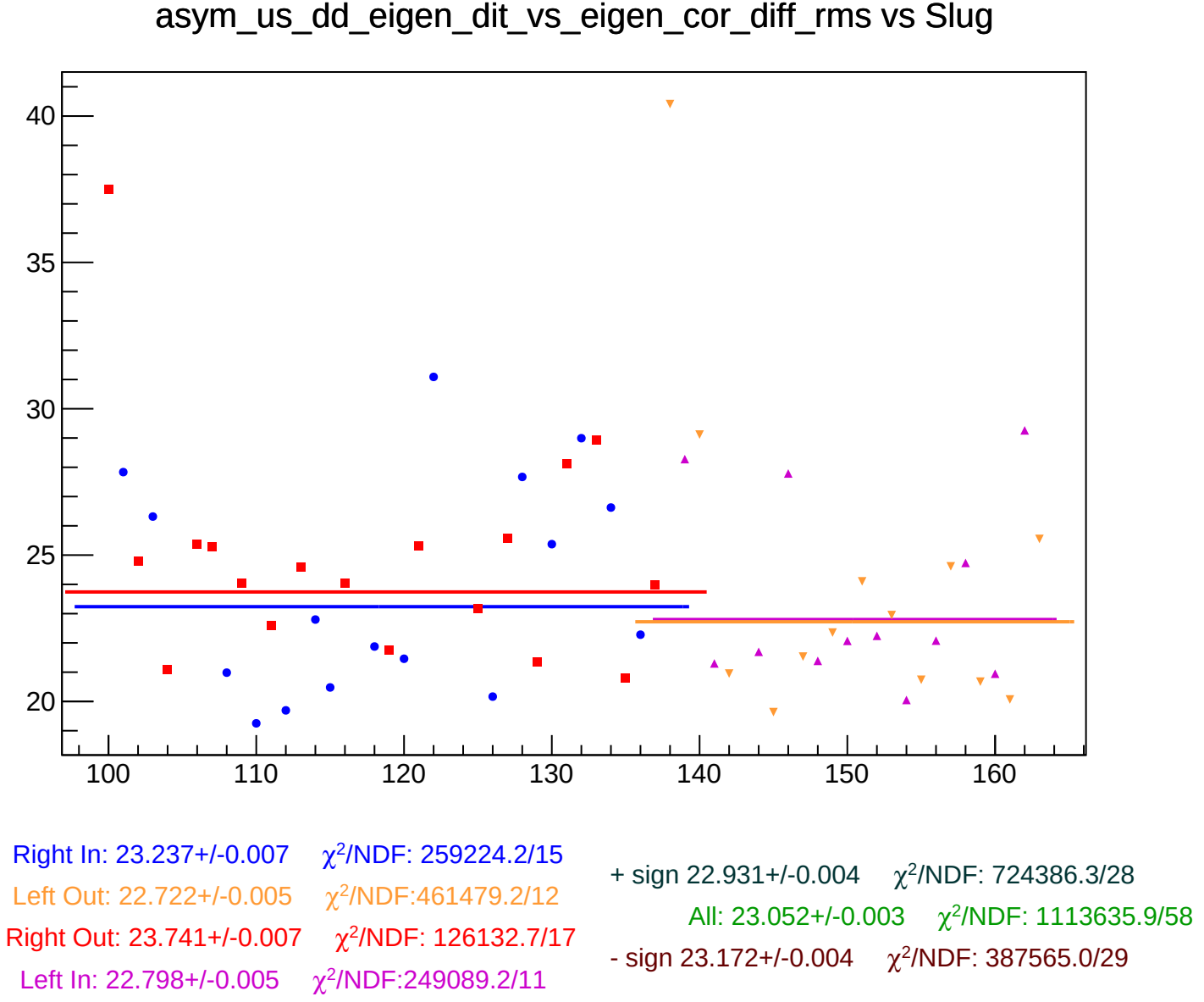
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

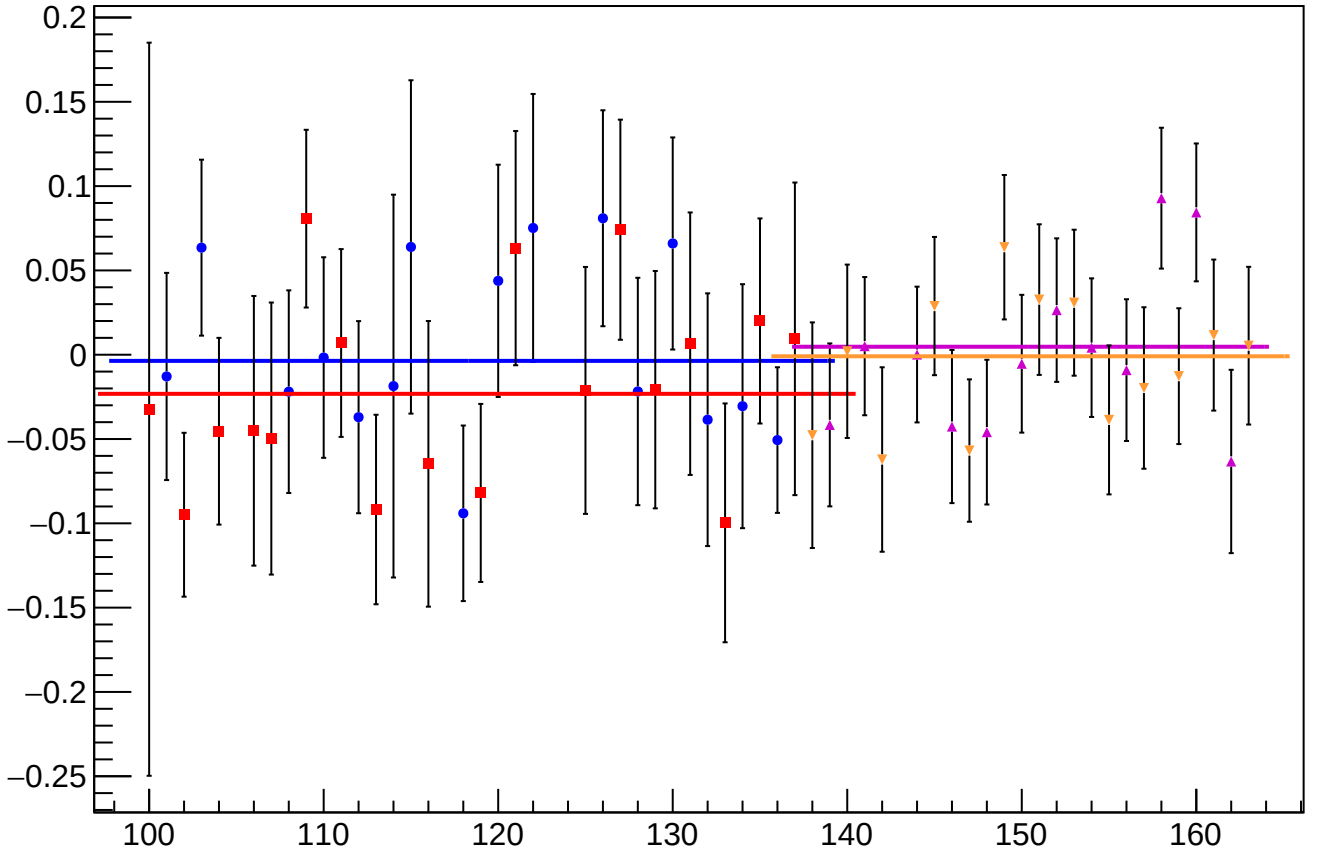
Left In: -0.002+/-0.008 χ^2/NDF:13.3/11

+ sign -0.001+/-0.006 χ^2/NDF: 15.3/28

All: 0.000+/-0.004 χ^2/NDF: 42.4/58

- sign 0.001+/-0.006 χ^2/NDF: 27.1/29


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
40
35
30
25
20
100
110
120
130
140
150
160
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 22.722+/-0.005 χ²/NDF:461479.2/12
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 22.798+/-0.005 χ²/NDF:249089.2/11
+ sign 22.931+/-0.004 χ²/NDF: 724386.3/28
All: 23.052+/-0.003 χ²/NDF: 1113635.9/58
- sign 23.172+/-0.004 χ²/NDF: 387565.0/29



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

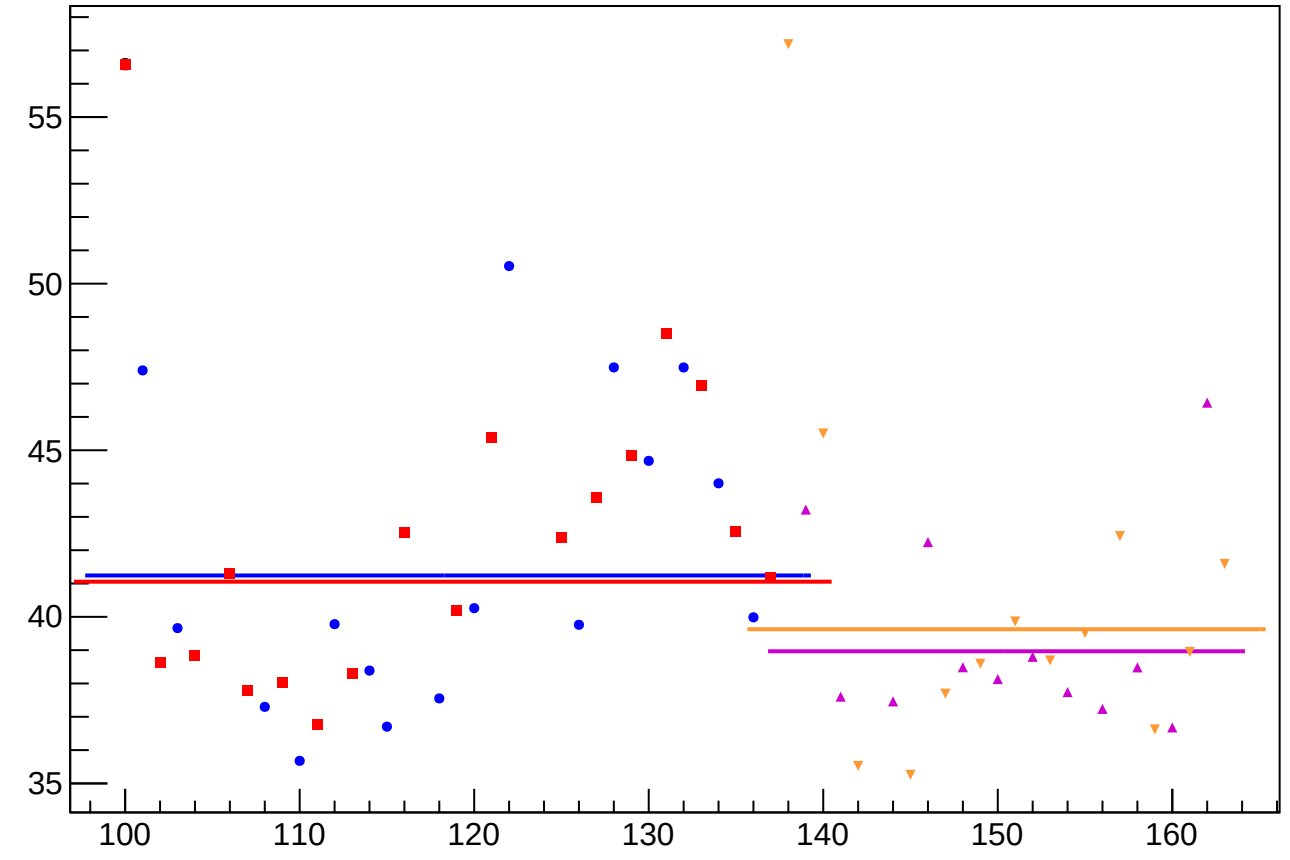
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.005+/-0.012 χ^2/NDF:13.7/11

+ sign -0.002+/-0.010 χ^2/NDF: 20.2/28

All: -0.004+/-0.007 χ^2/NDF: 51.3/58

- sign -0.006+/-0.010 χ^2/NDF: 31.0/29



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

Left Out: 39.628+/-0.009 χ^2/NDF:226104.0/12

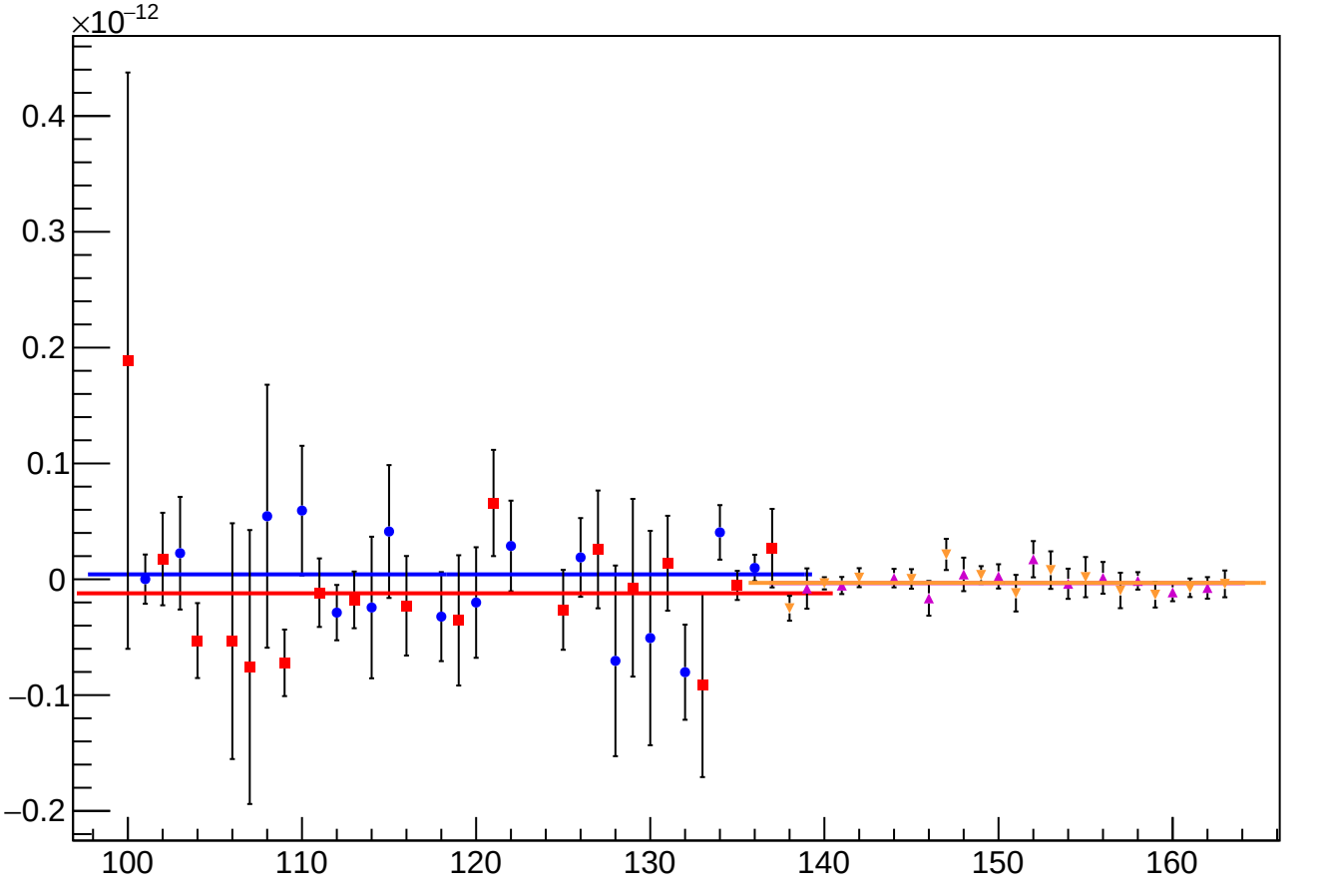
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

Left In: 38.966+/-0.009 χ^2/NDF:81381.1/11

+ sign 40.265+/-0.007 χ^2/NDF: 374086.7/28

All: 40.019+/-0.005 χ^2/NDF: 576555.5/58

- sign 39.782+/-0.007 χ^2/NDF: 200036.2/29



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/12

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

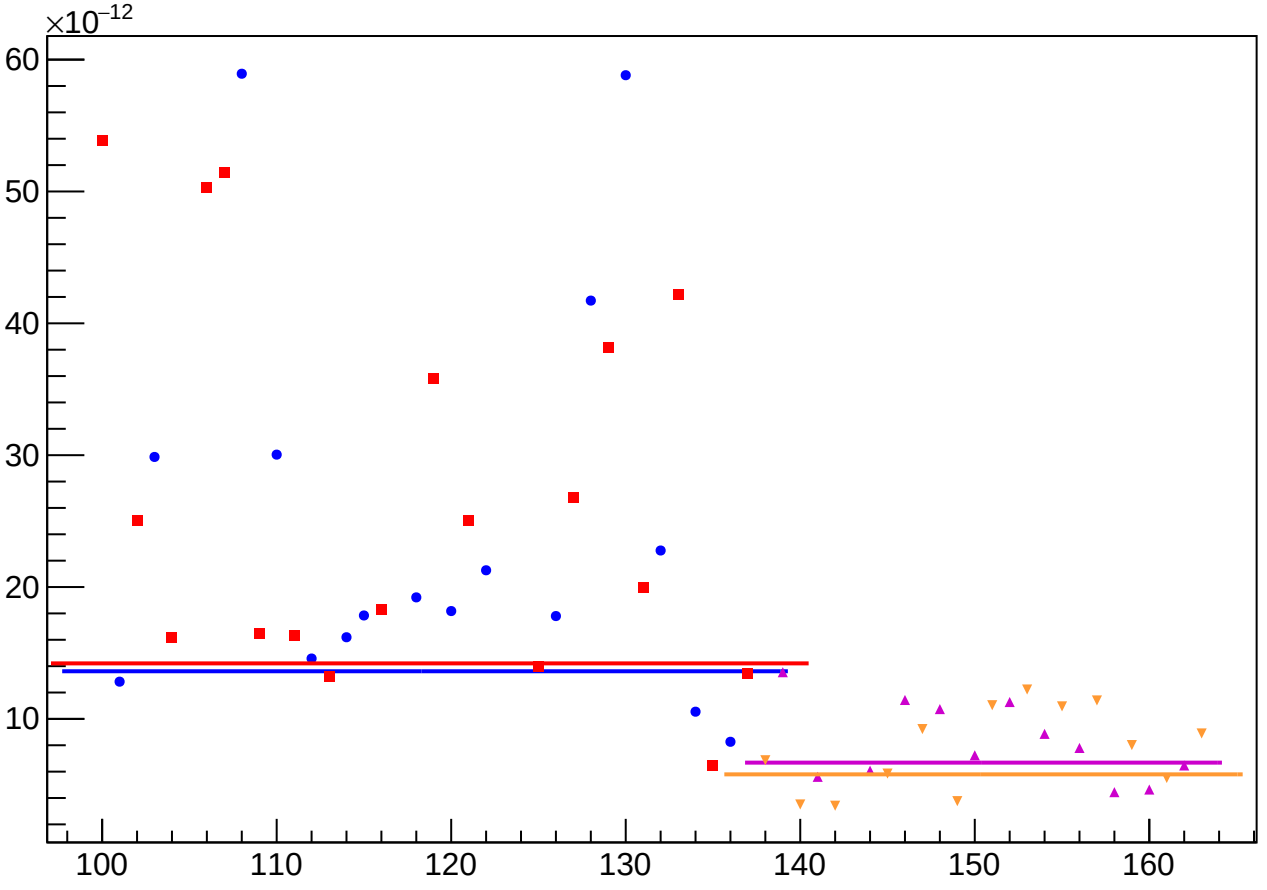
Left In: -0.000+/-0.000 χ^2/NDF:5.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/28

All: -0.000+/-0.000 χ^2/NDF: 46.5/58

- sign -0.000+/-0.000 χ^2/NDF: 20.7/29

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:2043431.0/12

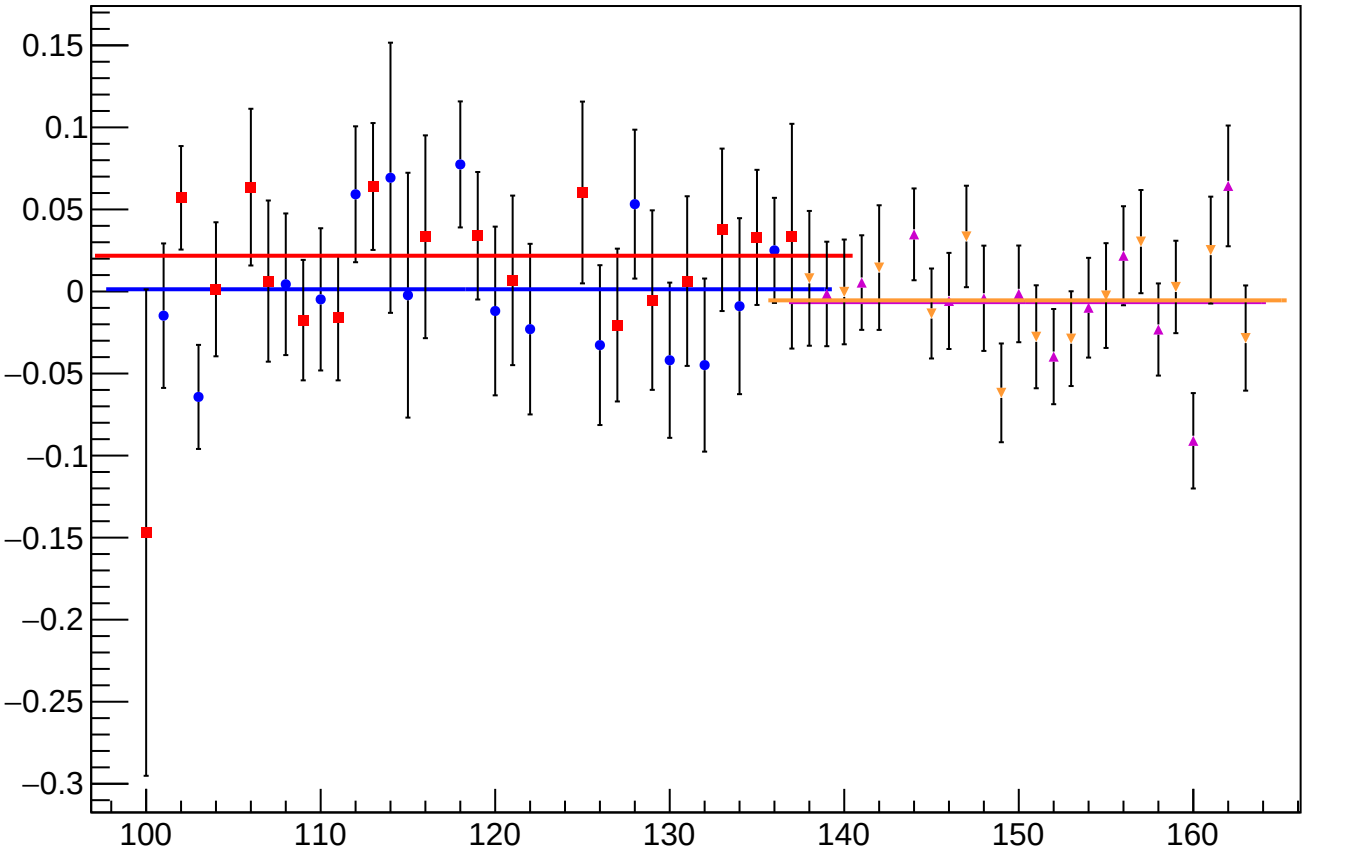
Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1290137.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 6222887.3/28

All: 0.000+/-0.000 χ^2/NDF: 11747741.2/58

- sign 0.000+/-0.000 χ^2/NDF: 5399118.3/29



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

Left Out: -0.005+/-0.009 χ^2/NDF:9.5/12

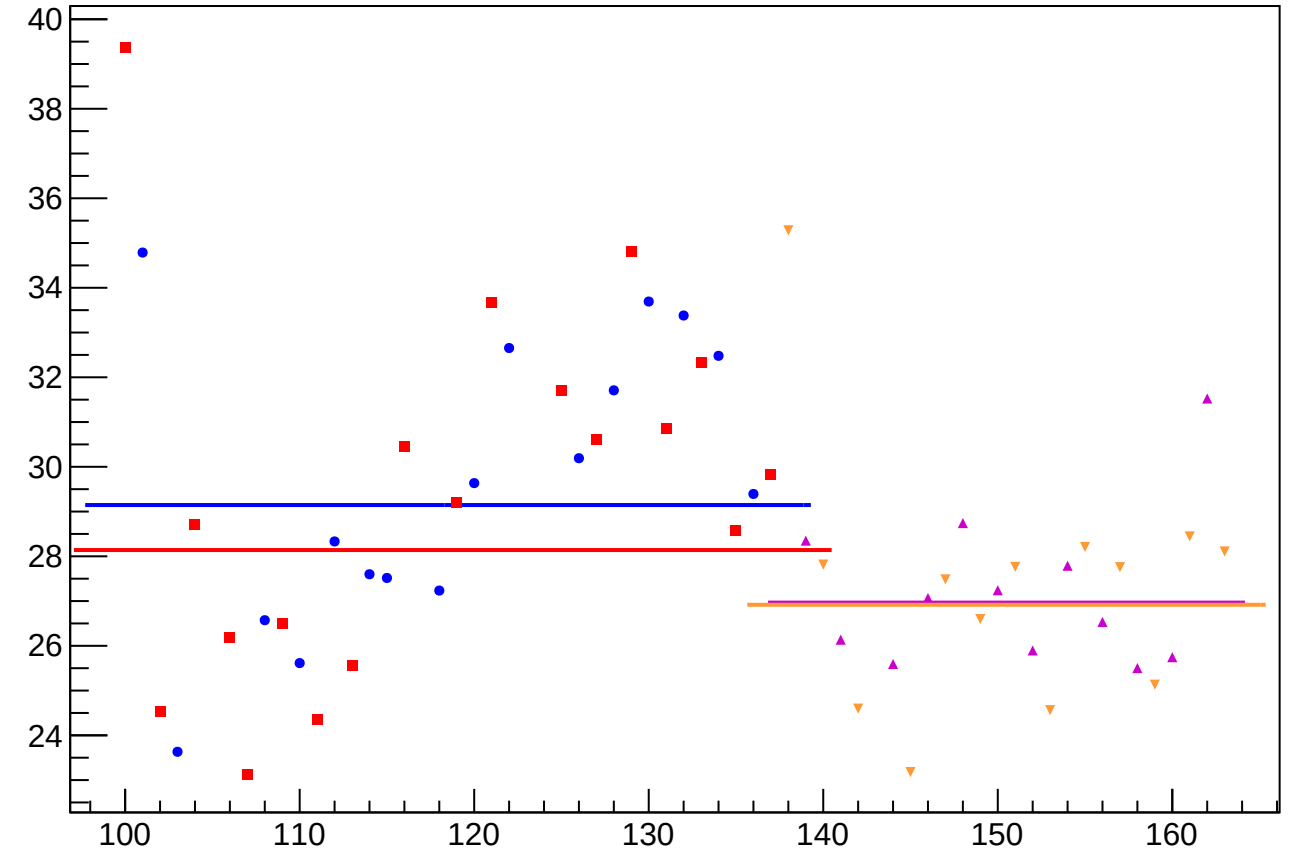
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.006+/-0.009 χ^2/NDF:17.1/11

+ sign -0.003+/-0.007 χ^2/NDF: 25.0/28

All: 0.001+/-0.005 χ^2/NDF: 56.0/58

- sign 0.005+/-0.007 χ^2/NDF: 30.3/29



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

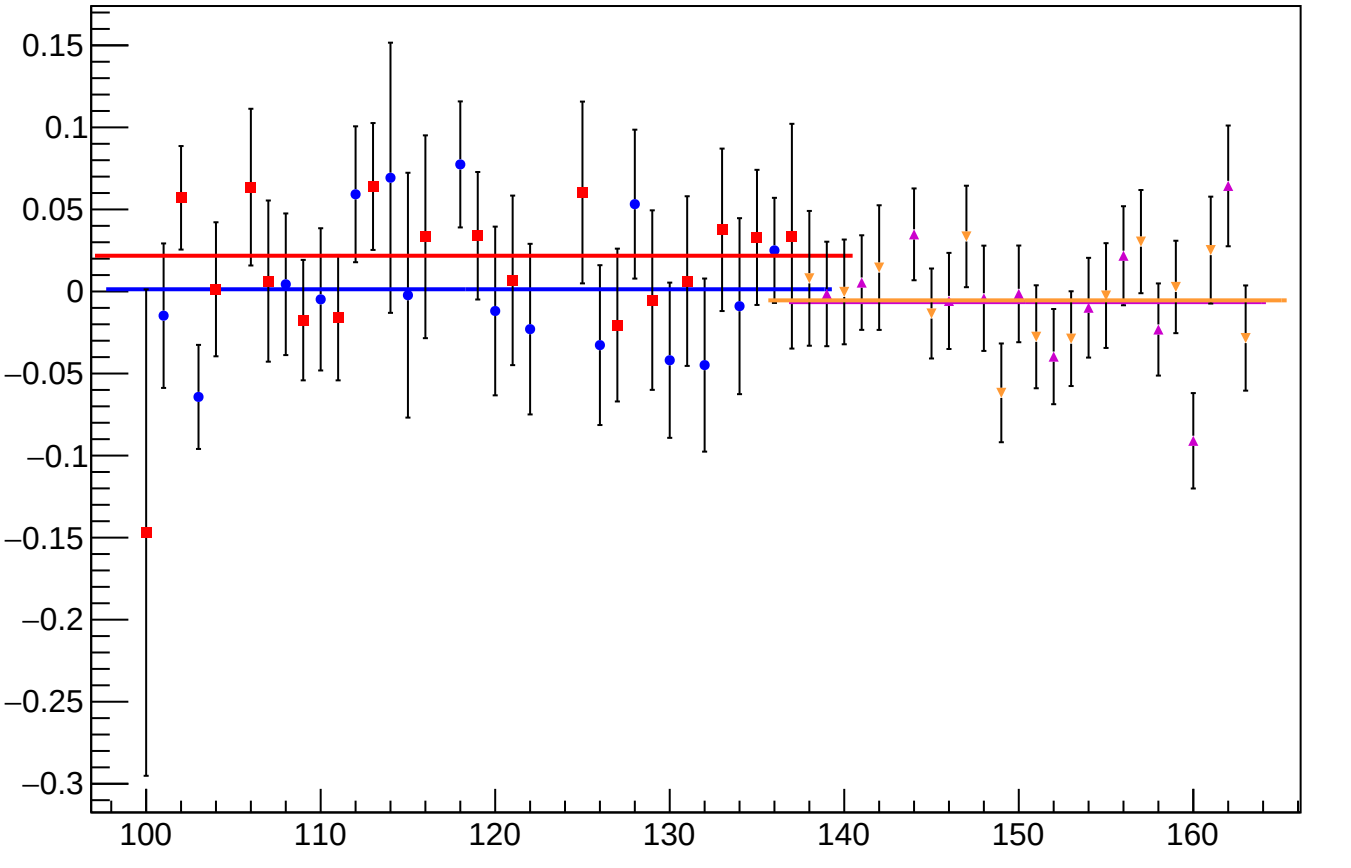
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 26.966+/-0.006 χ^2/NDF:60845.9/11

+ sign 27.758+/-0.005 χ^2/NDF: 390860.6/28

All: 27.589+/-0.003 χ^2/NDF: 655592.2/58

- sign 27.427+/-0.005 χ^2/NDF: 262372.9/29



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

Left Out: -0.005+/-0.009 χ^2/NDF:9.5/12

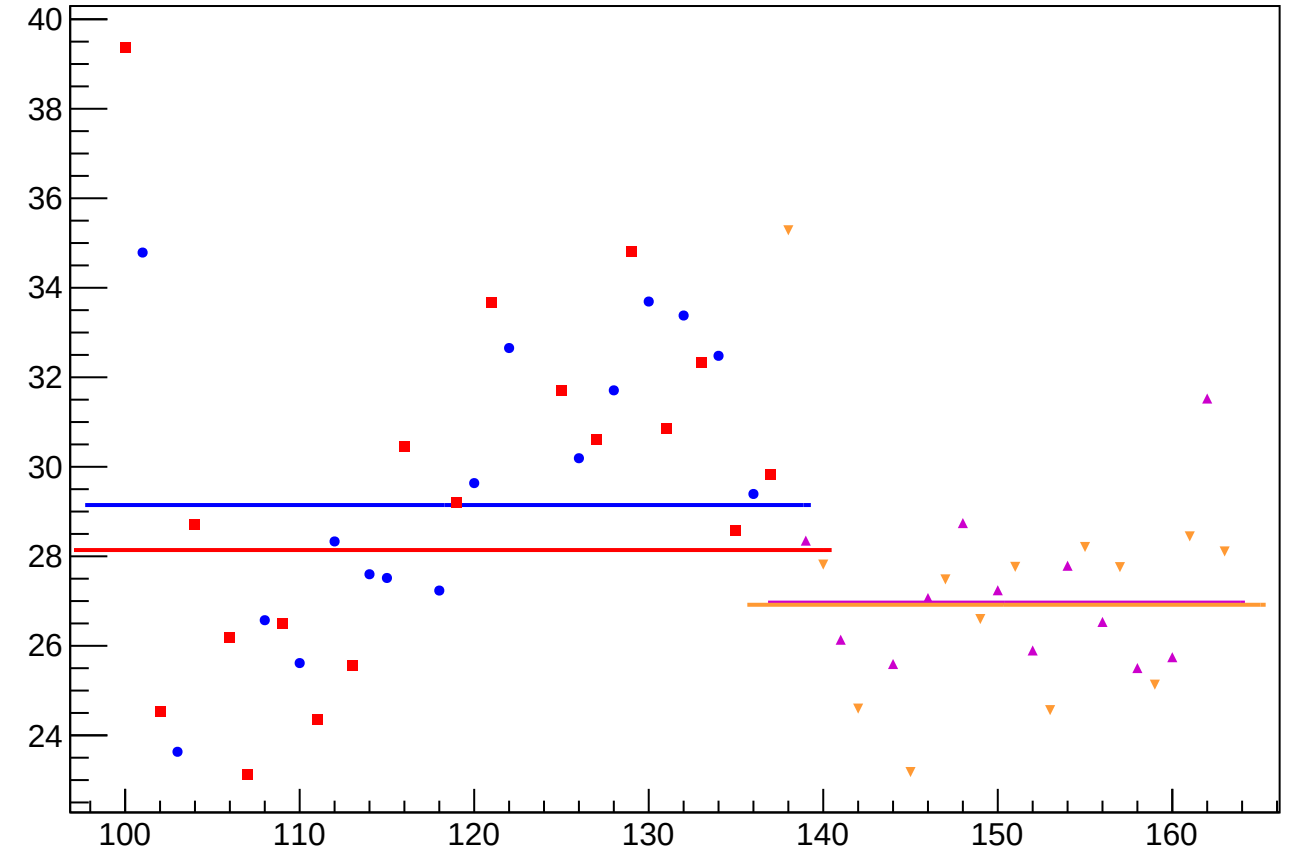
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.006+/-0.009 χ^2/NDF:17.1/11

+ sign -0.003+/-0.007 χ^2/NDF: 25.0/28

All: 0.001+/-0.005 χ^2/NDF: 56.0/58

- sign 0.005+/-0.007 χ^2/NDF: 30.3/29



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

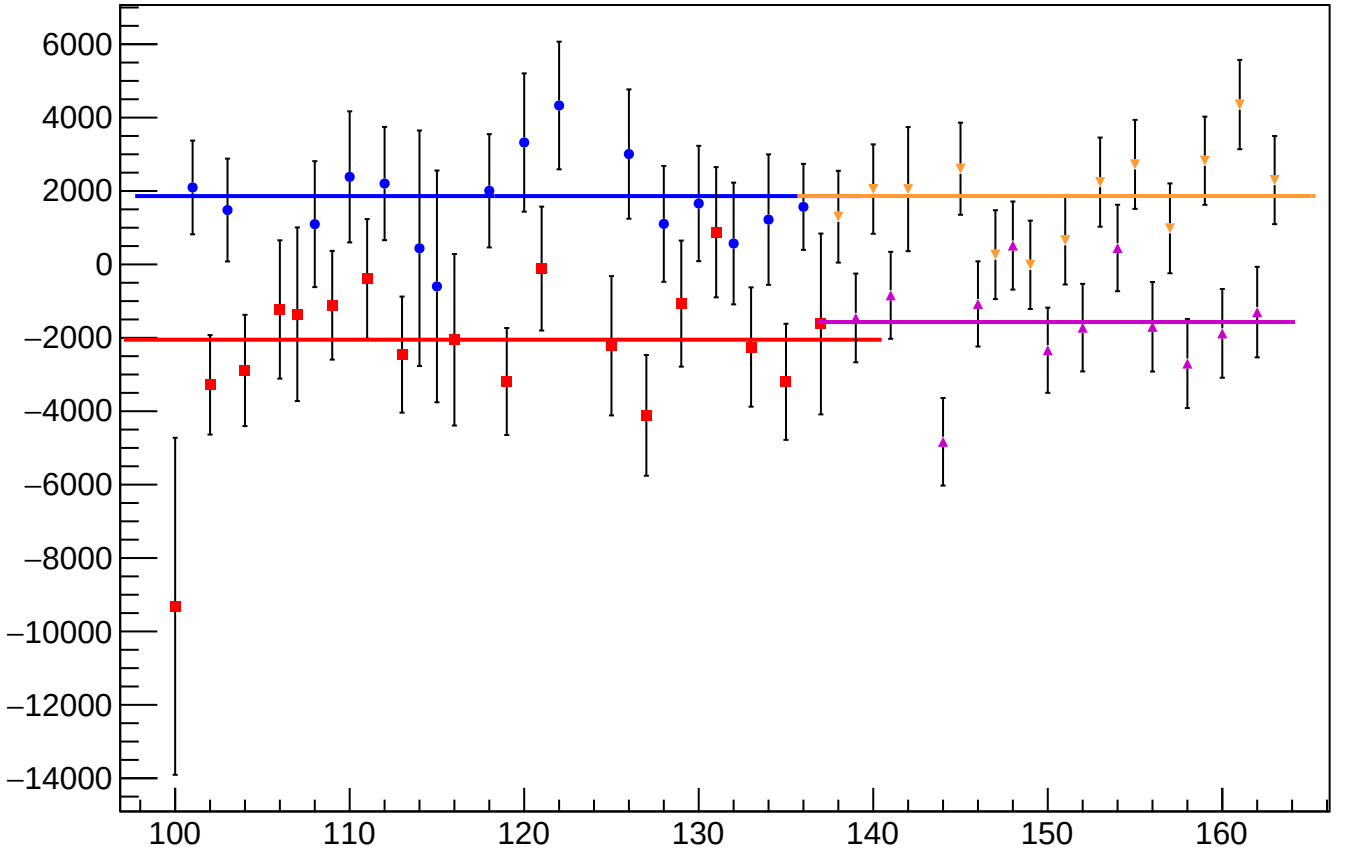
Left In: 26.966+/-0.006 χ^2/NDF:60845.9/11

\+ sign 27.758+/-0.005 χ^2/NDF: 390860.6/28

All: 27.589+/-0.003 χ^2/NDF: 655592.2/58

\- sign 27.427+/-0.005 χ^2/NDF: 262372.9/29

reg_asym_usl_mean vs Slug



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

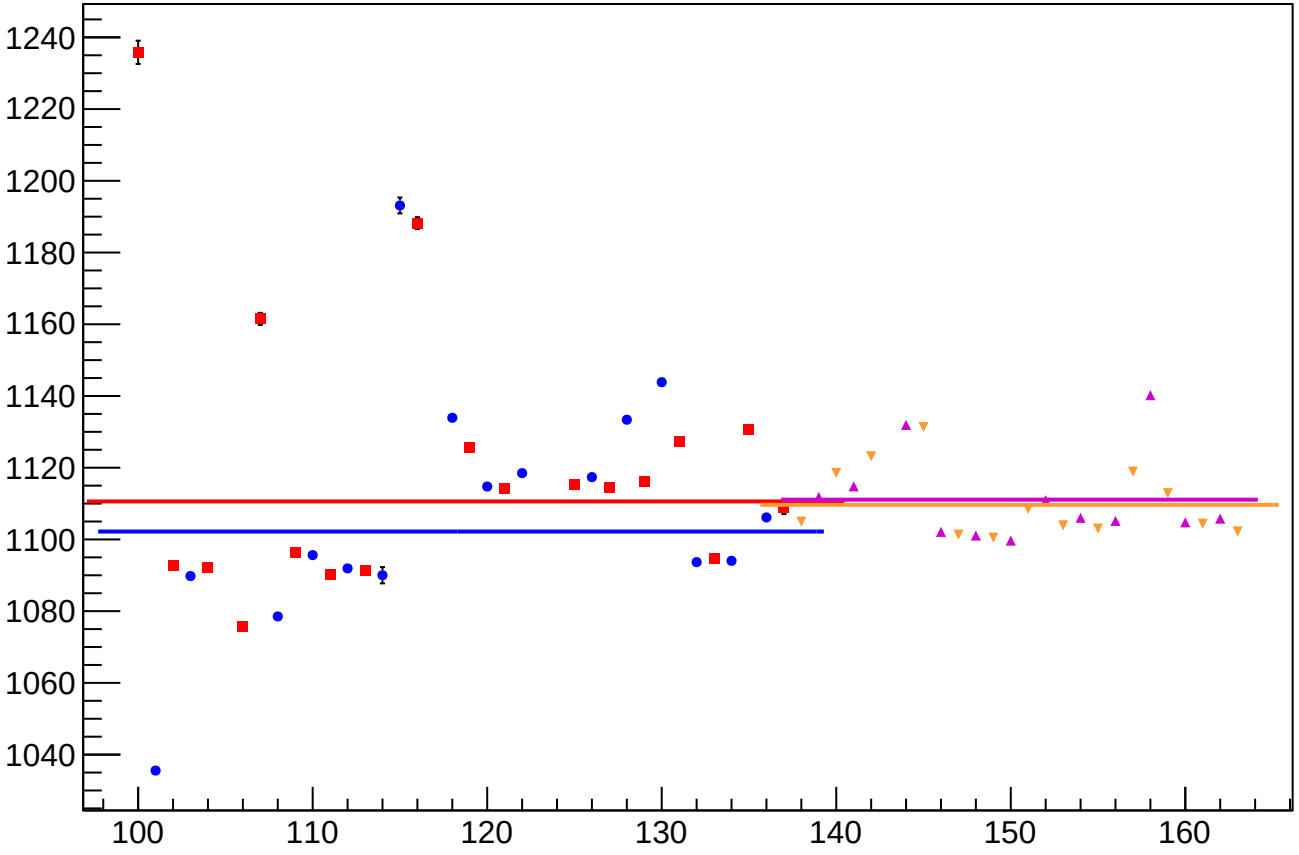
Left In: -1569.347+/-345.162 χ^2/NDF:15.4/11

+ sign 1862.442+/-263.450 χ^2/NDF: 17.2/28

All: 49.228+/-186.428 χ^2/NDF: 140.9/58

- sign -1769.484+/-263.849 χ^2/NDF: 28.8/29

reg_asym_usl_rms vs Slug



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

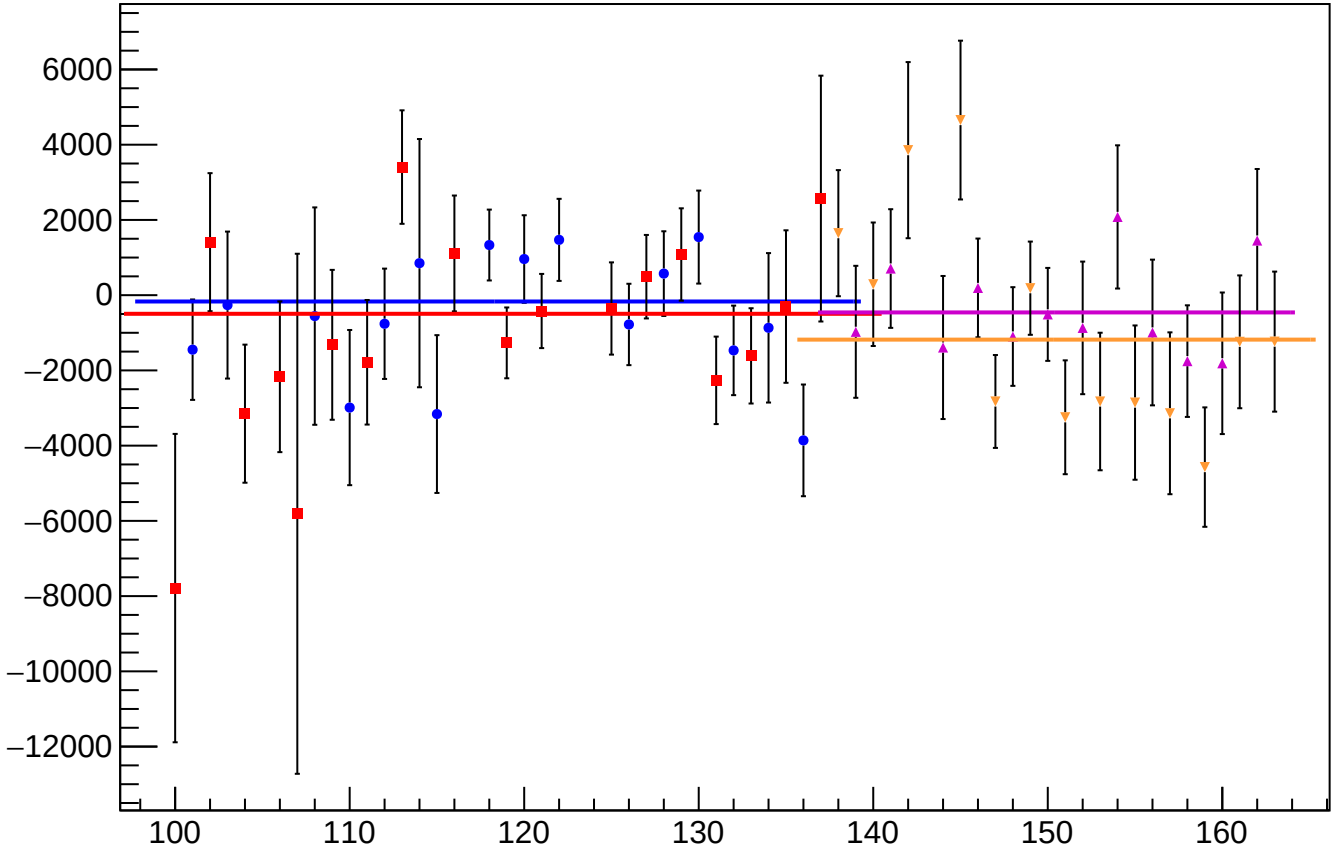
Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58

- sign 1110.883+/-0.187 χ^2/NDF: 10108.9/29

asym_usl_reg_correction_mean vs Slug



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

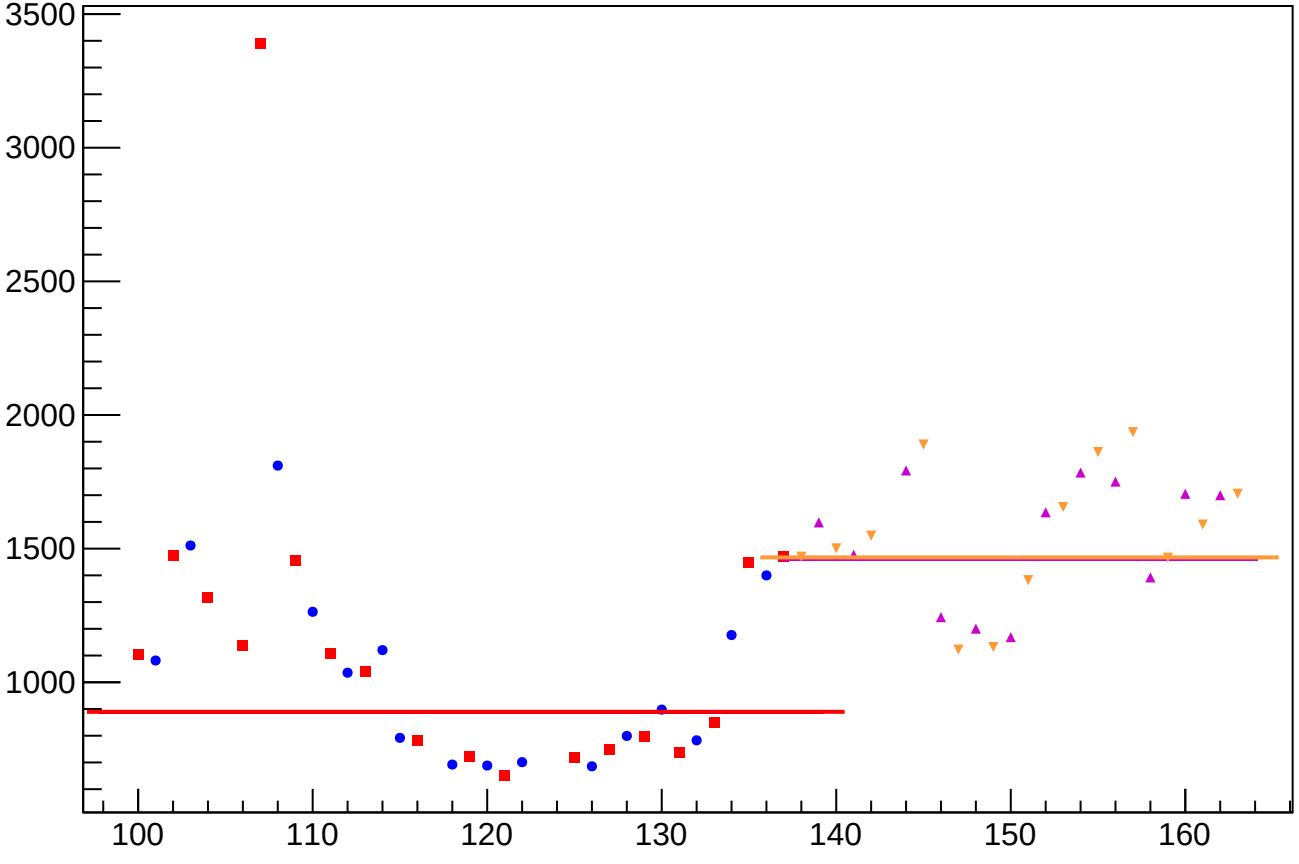
Left In: -458.755+/-461.369 χ^2/NDF:5.6/11

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -505.497+/-195.687 χ^2/NDF: 80.6/58

- sign -482.109+/-276.323 χ^2/NDF: 28.8/29

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

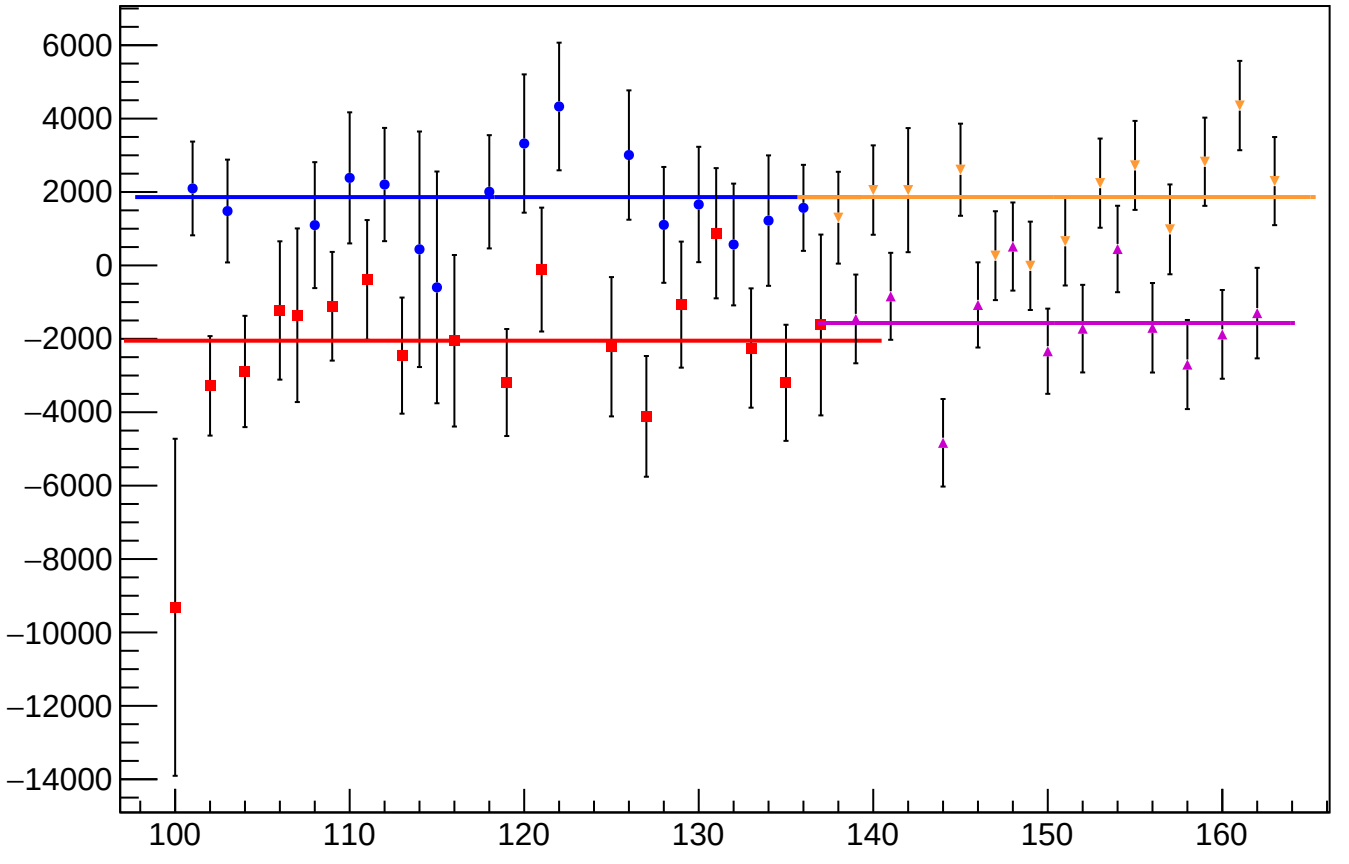
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

- sign 1094.554+/-0.195 χ^2/NDF: 3825708.4/29



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

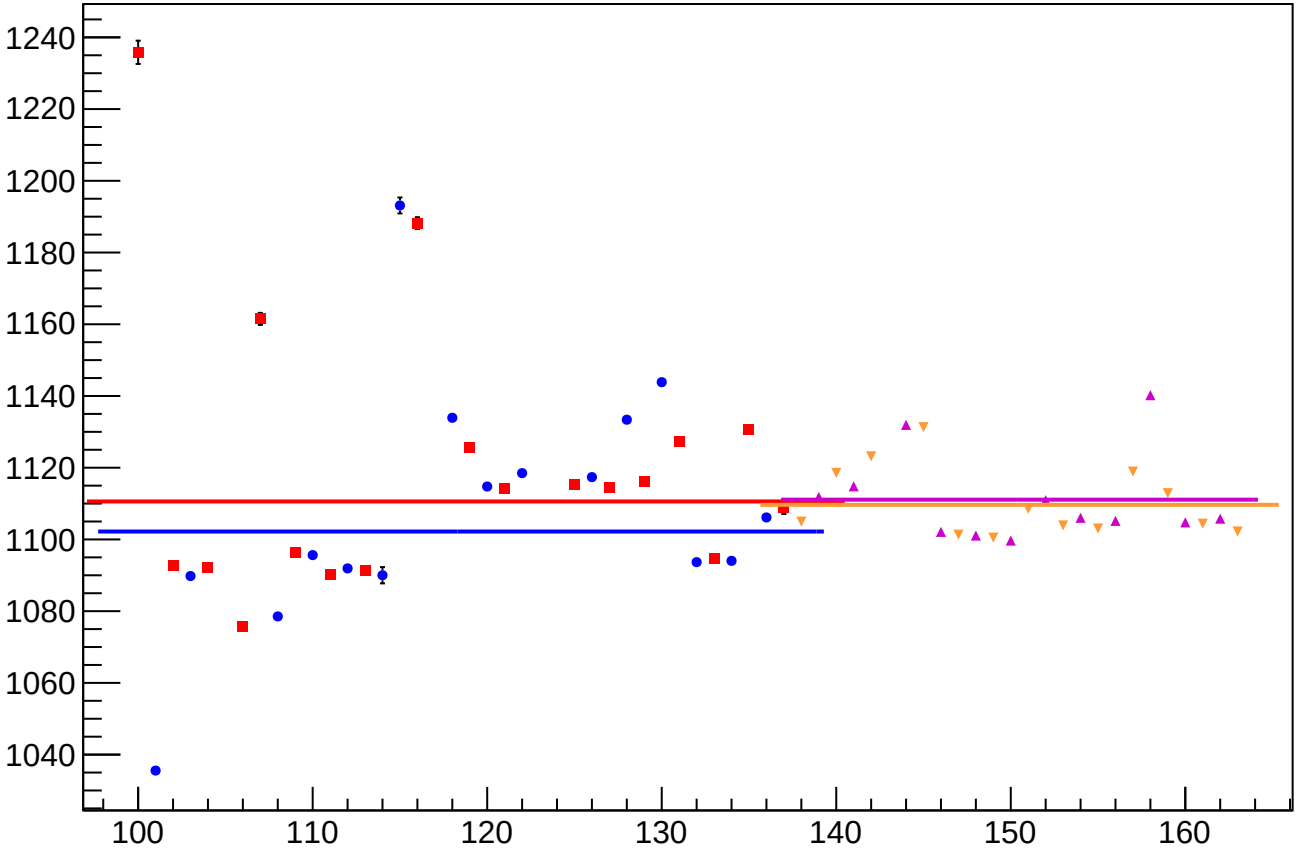
Left In: -1569.347+/-345.162 χ^2/NDF:15.4/11

+ sign 1862.442+/-263.450 χ^2/NDF: 17.2/28

All: 49.228+/-186.428 χ^2/NDF: 140.9/58

- sign -1769.484+/-263.849 χ^2/NDF: 28.8/29

cor_asym_usl_rms vs Slug



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

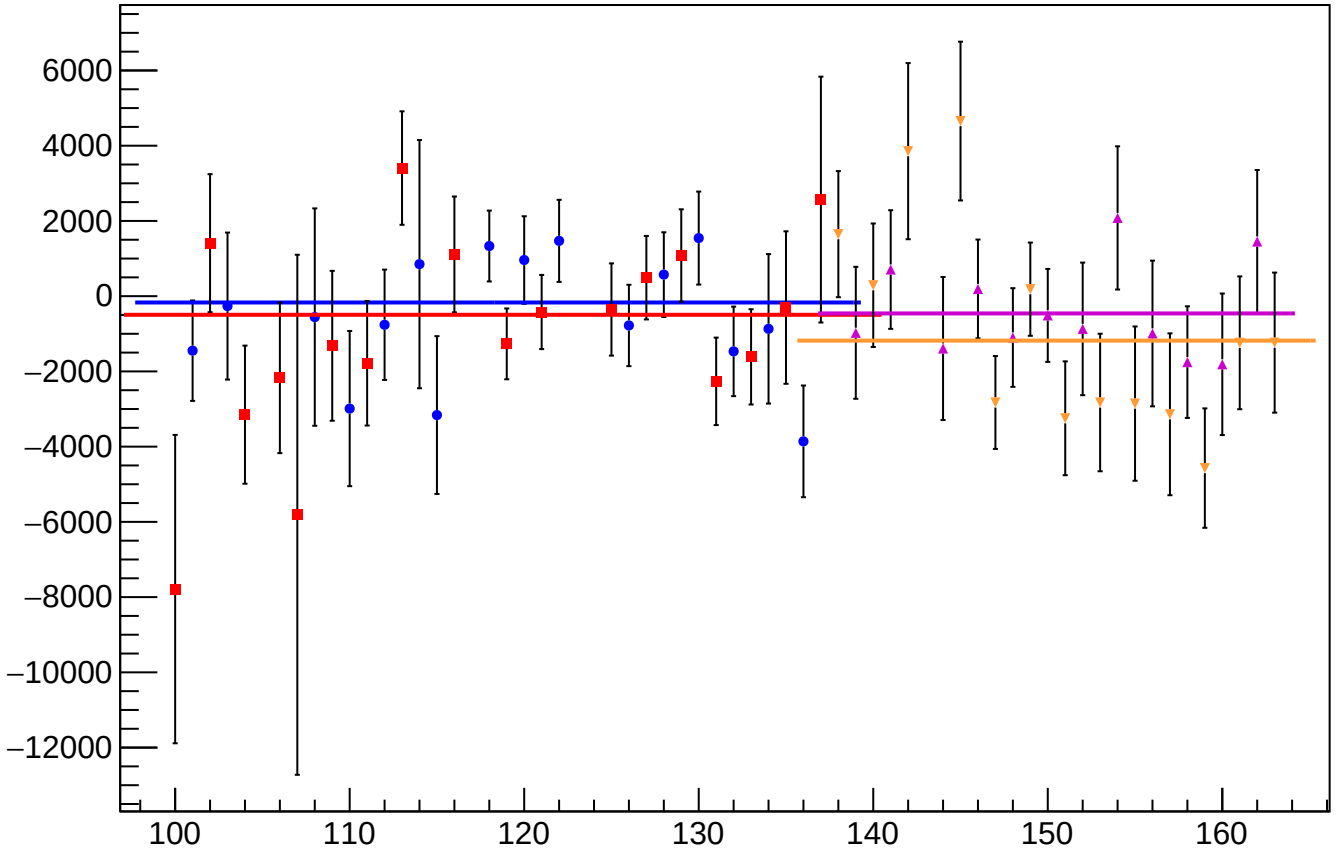
Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58

- sign 1110.883+/-0.187 χ^2/NDF: 10108.9/29

asym_usl_cor_correction_mean vs Slug



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

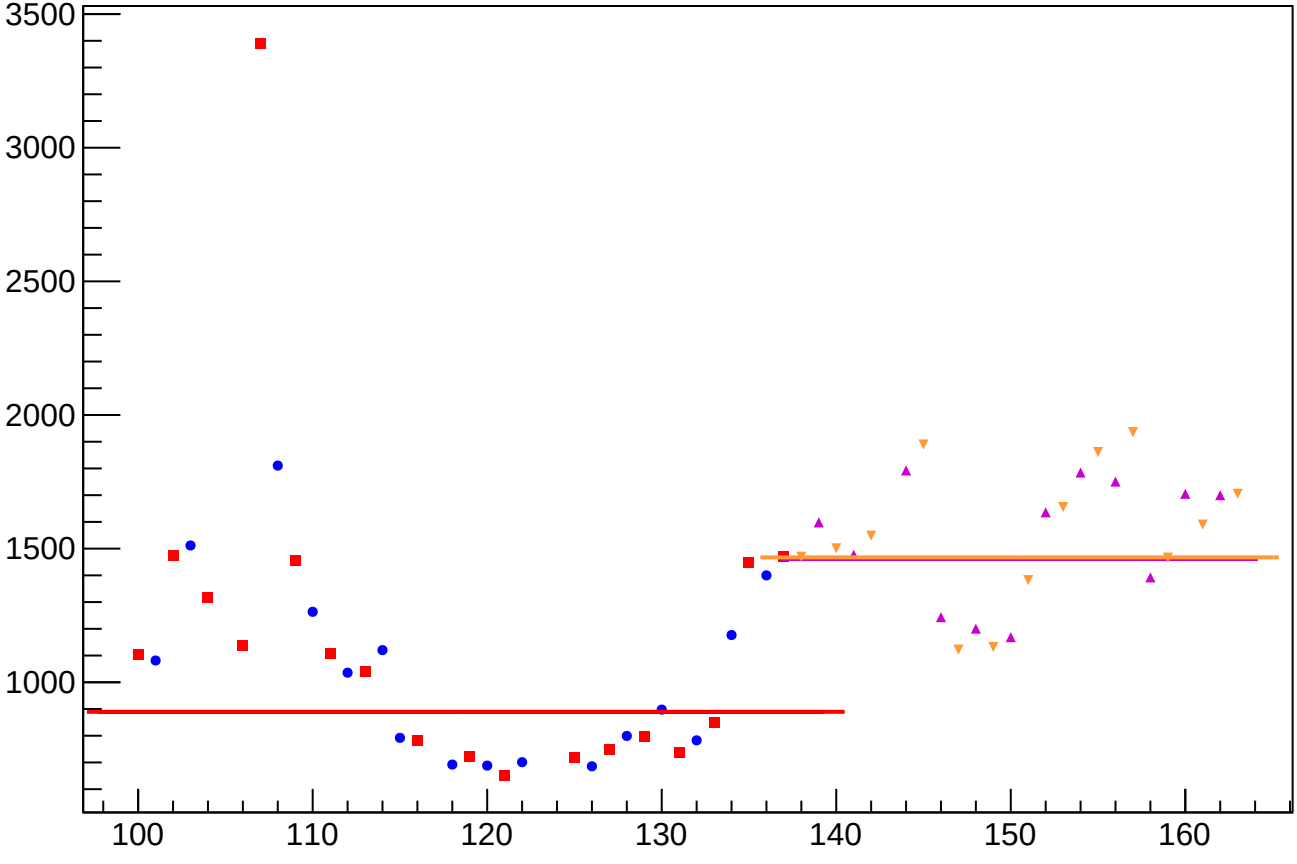
Left In: -458.755+/-461.369 χ^2/NDF:5.6/11

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -505.497+/-195.687 χ^2/NDF: 80.6/58

- sign -482.109+/-276.323 χ^2/NDF: 28.8/29

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

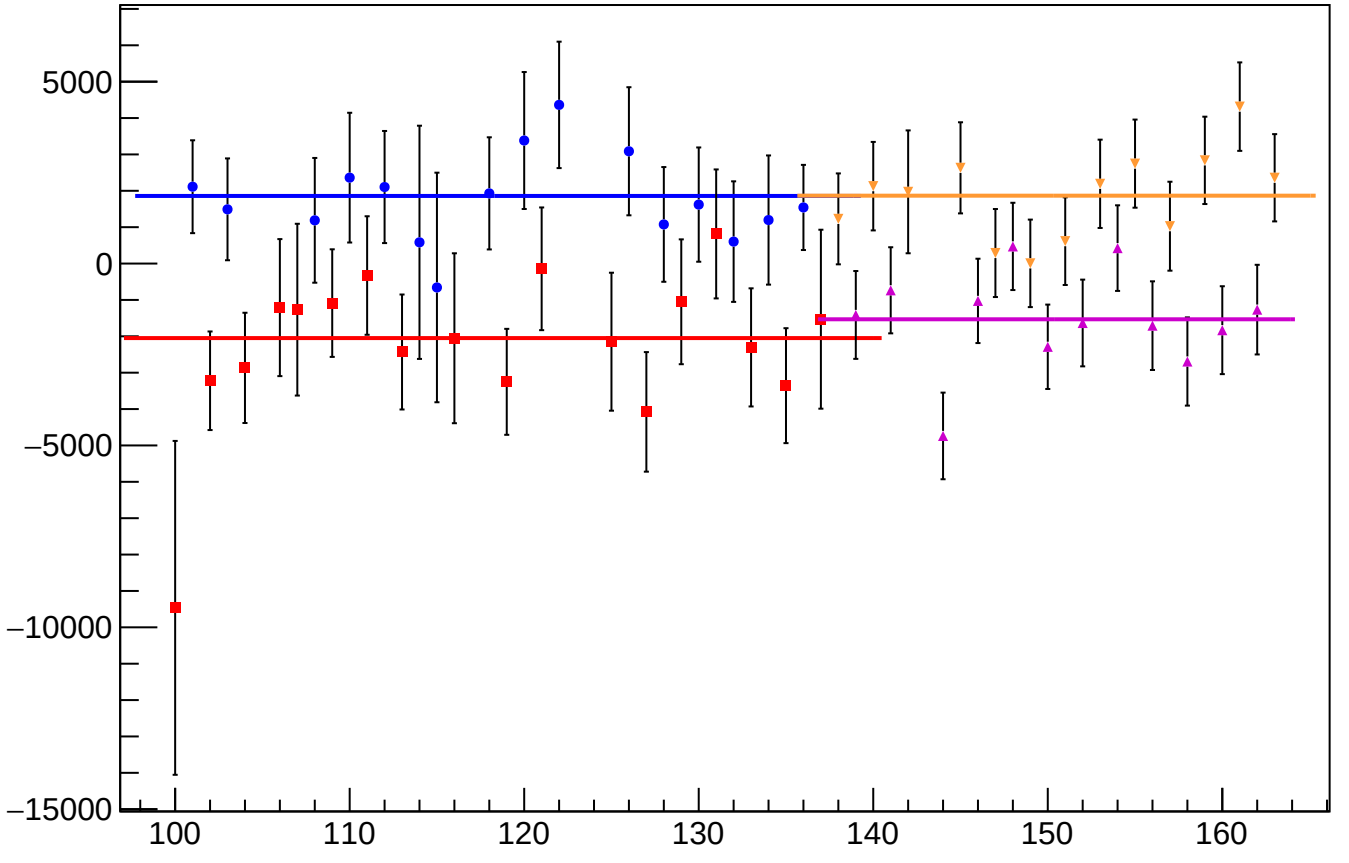
Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

- sign 1094.554+/-0.195 χ^2/NDF: 3825708.4/29

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1866.021+/-343.750 χ^2/NDF:11.8/12

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

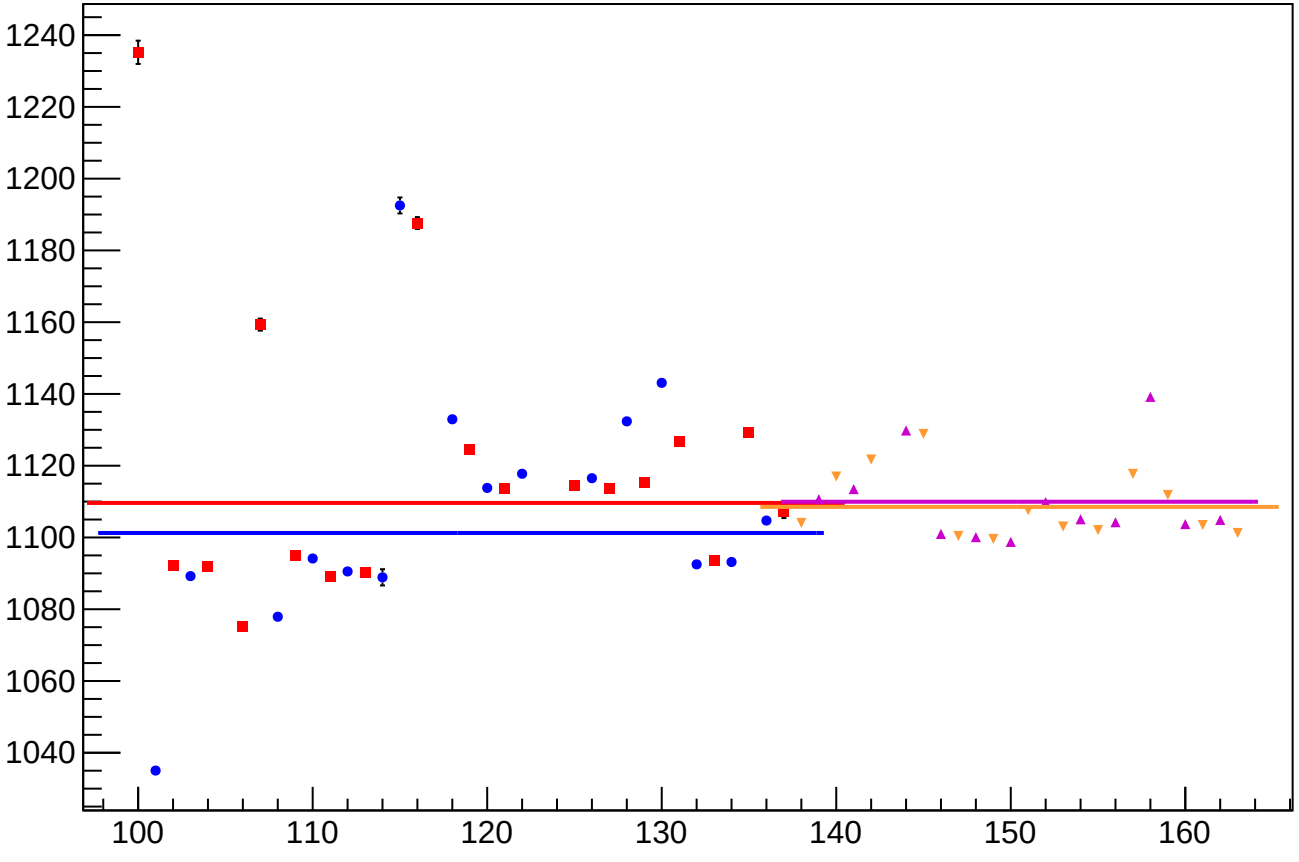
Left In: -1532.115+/-344.809 χ^2/NDF:14.9/11

+ sign 1862.985+/-263.196 χ^2/NDF: 17.2/28

All: 60.843+/-186.249 χ^2/NDF: 139.8/58

- sign -1746.789+/-263.597 χ^2/NDF: 28.6/29

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1108.513+/-0.243 χ^2/NDF:1308.3/12

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

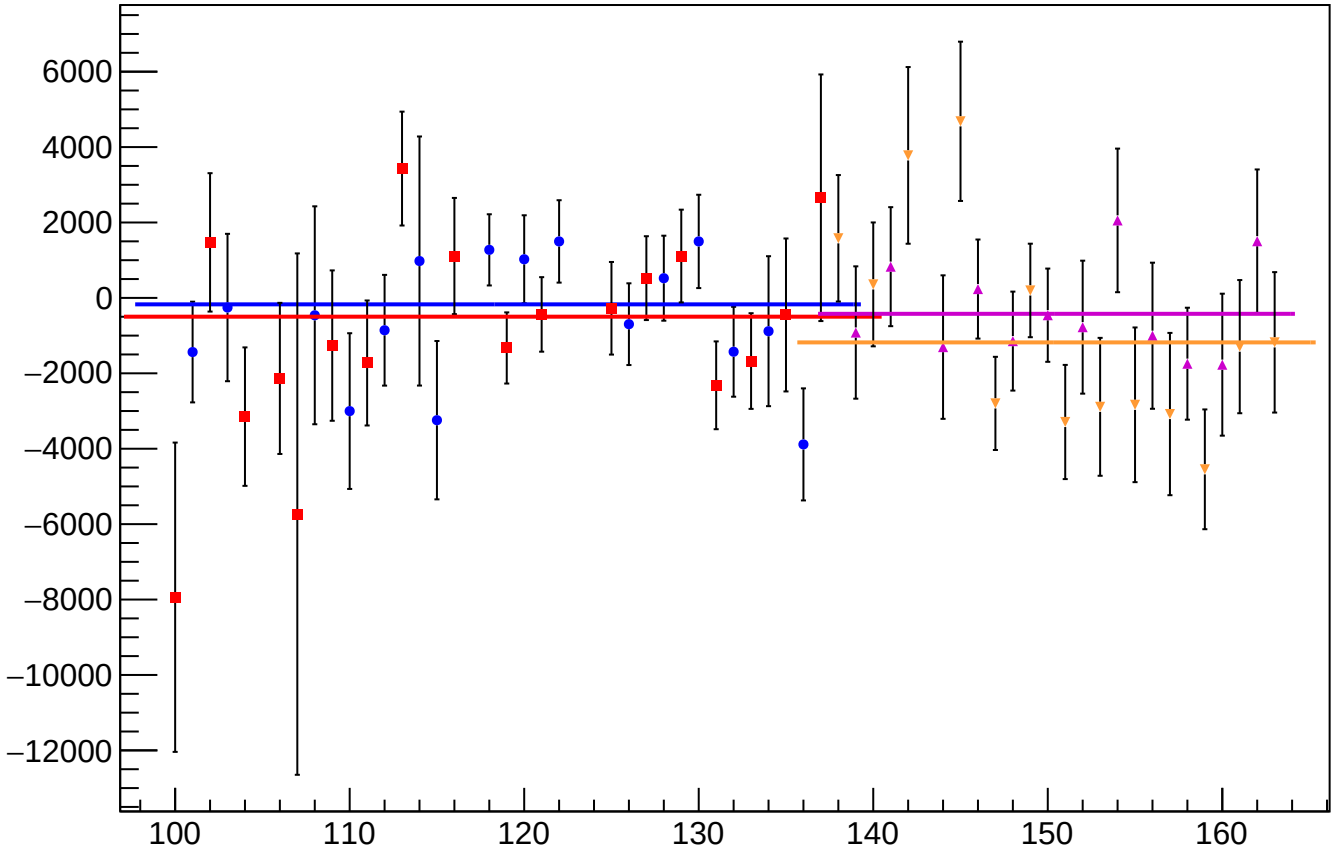
Left In: 1109.958+/-0.244 χ^2/NDF:2342.5/11

+ sign 1105.510+/-0.186 χ^2/NDF: 12985.5/28

All: 1107.662+/-0.132 χ^2/NDF: 23269.8/58

- sign 1109.821+/-0.186 χ^2/NDF: 10016.4/29

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -1180.071+/-464.653 χ^2/NDF:27.5/12

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

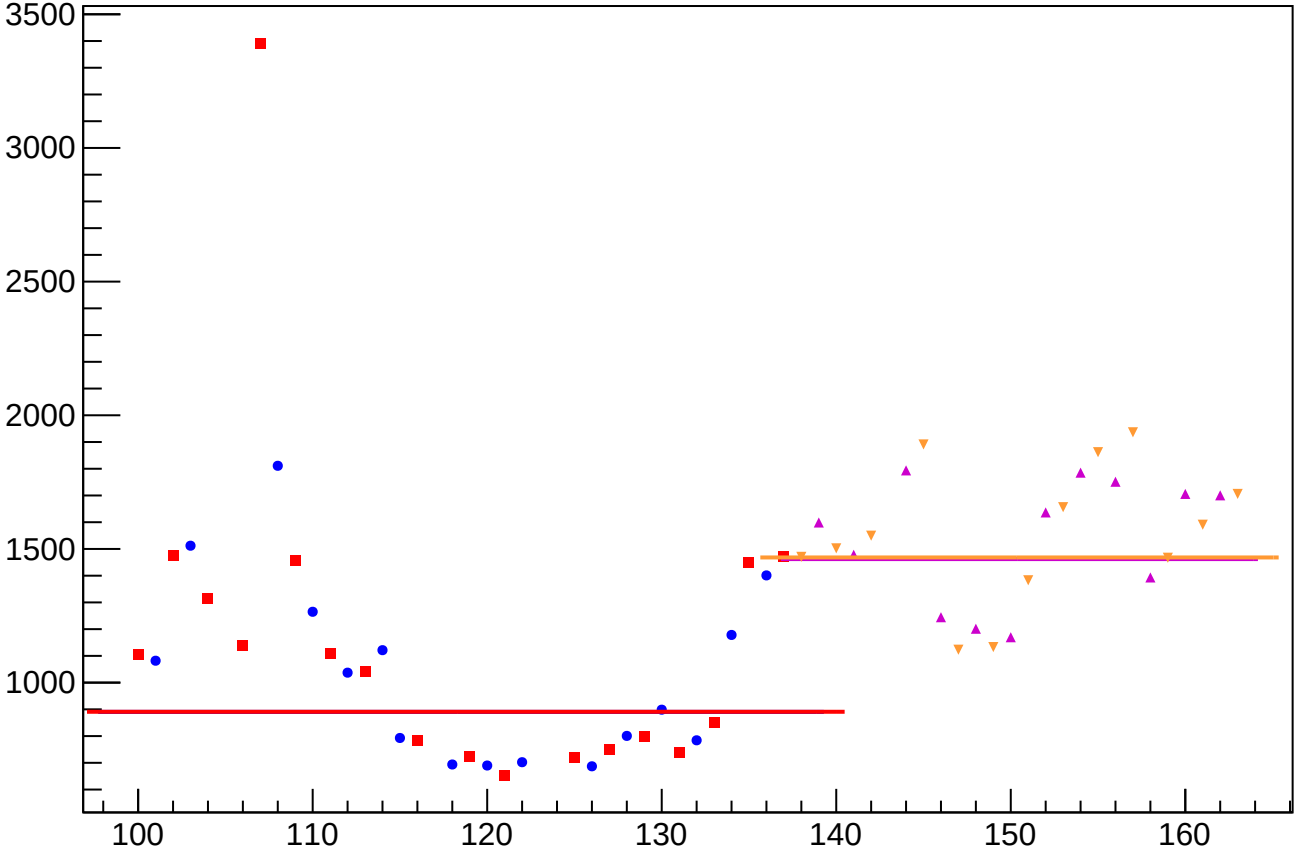
Left In: -422.099+/-461.647 χ^2/NDF:5.6/11

+ sign -530.867+/-277.502 χ^2/NDF: 51.4/28

All: -500.699+/-195.920 χ^2/NDF: 81.0/58

- sign -470.716+/-276.645 χ^2/NDF: 29.6/29

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1468.186+/-0.329 χ^2/NDF:623631.4/12

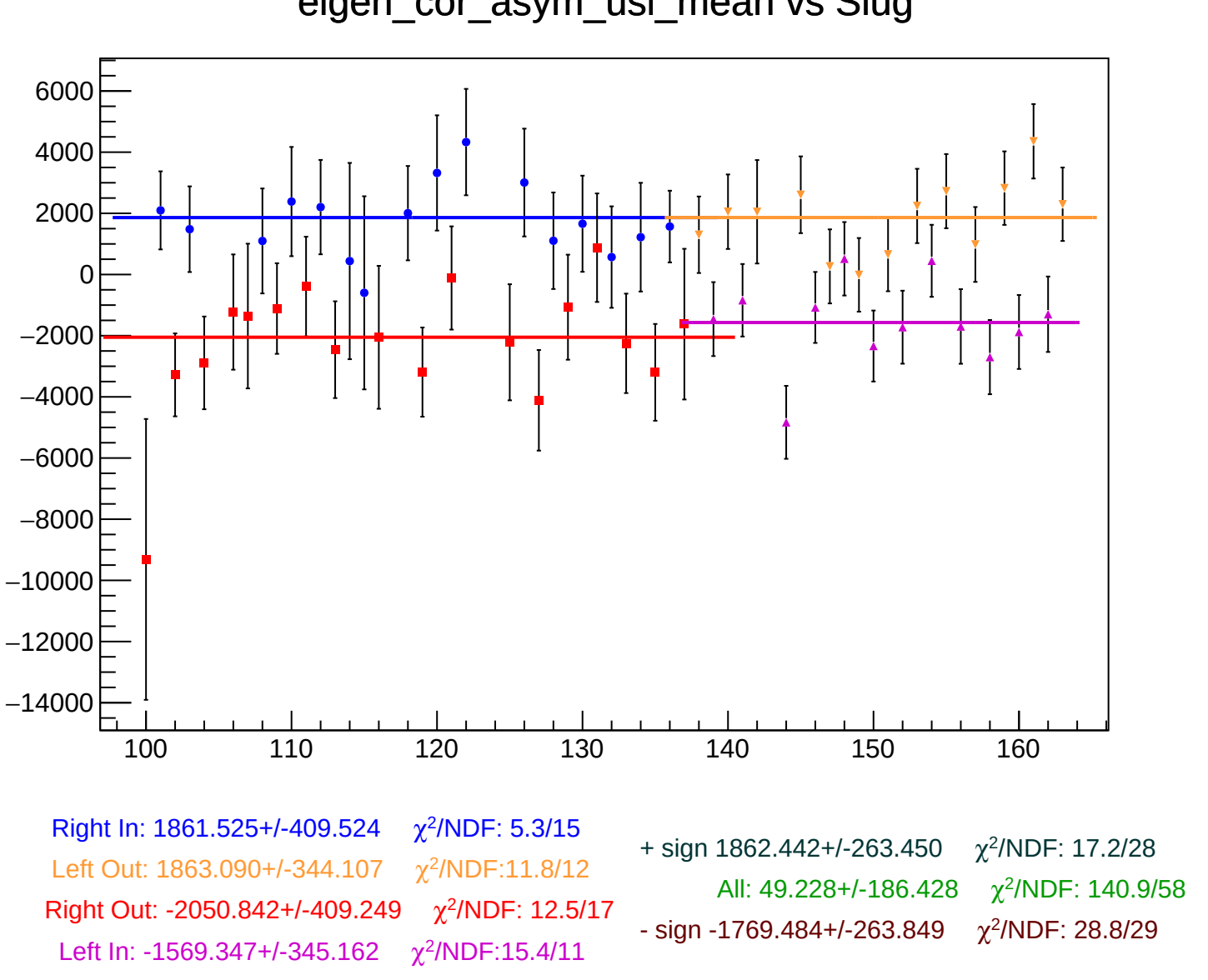
Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

Left In: 1462.109+/-0.326 χ^2/NDF:509658.1/11

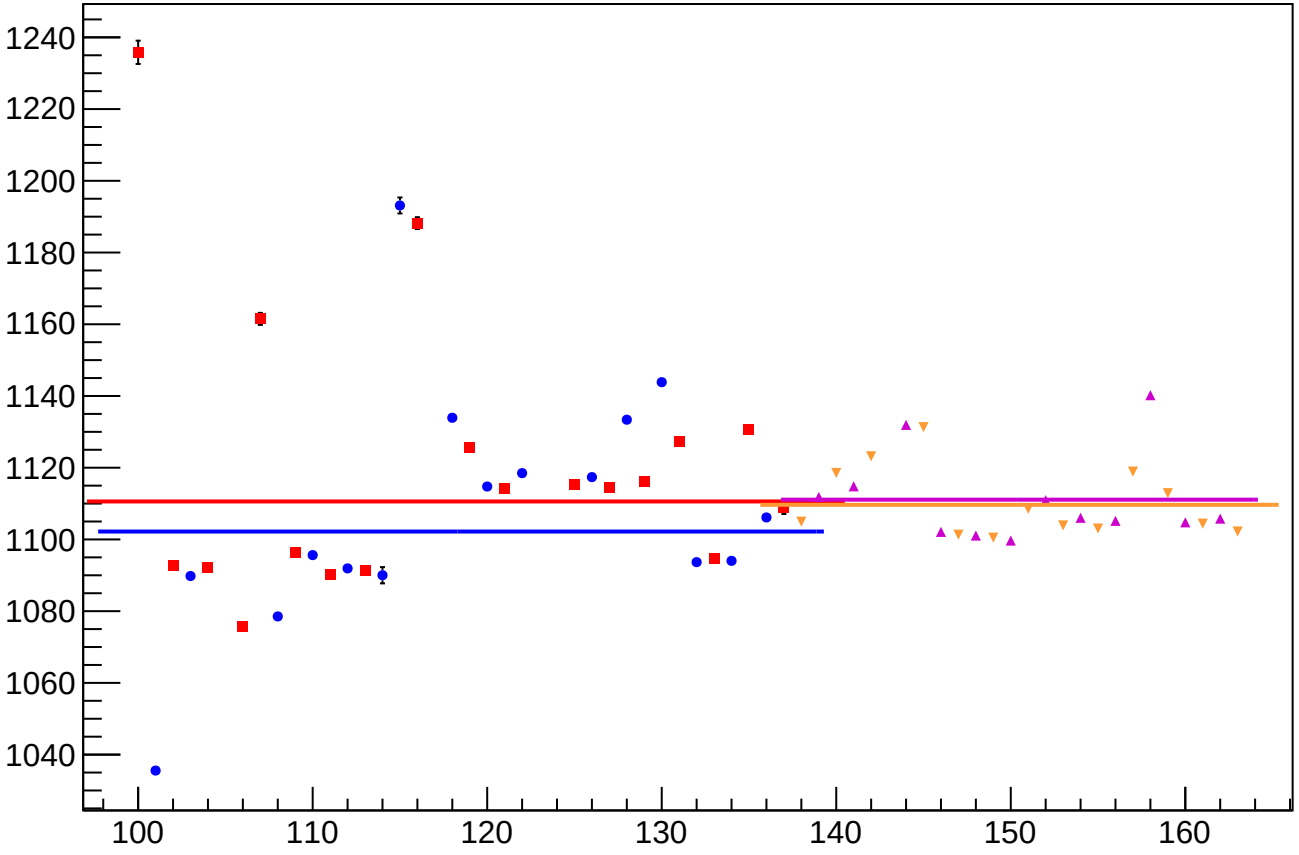
+ sign 1096.544+/-0.196 χ^2/NDF: 3741184.1/28

All: 1096.296+/-0.139 χ^2/NDF: 7554771.8/58

- sign 1096.050+/-0.196 χ^2/NDF: 3813584.6/29


eigen_cor_asym_usl_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
100
110
120
130
140
150
160
Right In: 1861.525+/-409.524 χ²/NDF: 5.3/15
Left Out: 1863.090+/-344.107 χ²/NDF:11.8/12
Right Out: -2050.842+/-409.249 χ²/NDF: 12.5/17
Left In: -1569.347+/-345.162 χ²/NDF:15.4/11
+ sign 1862.442+/-263.450 χ²/NDF: 17.2/28
All: 49.228+/-186.428 χ²/NDF: 140.9/58
- sign -1769.484+/-263.849 χ²/NDF: 28.8/29

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

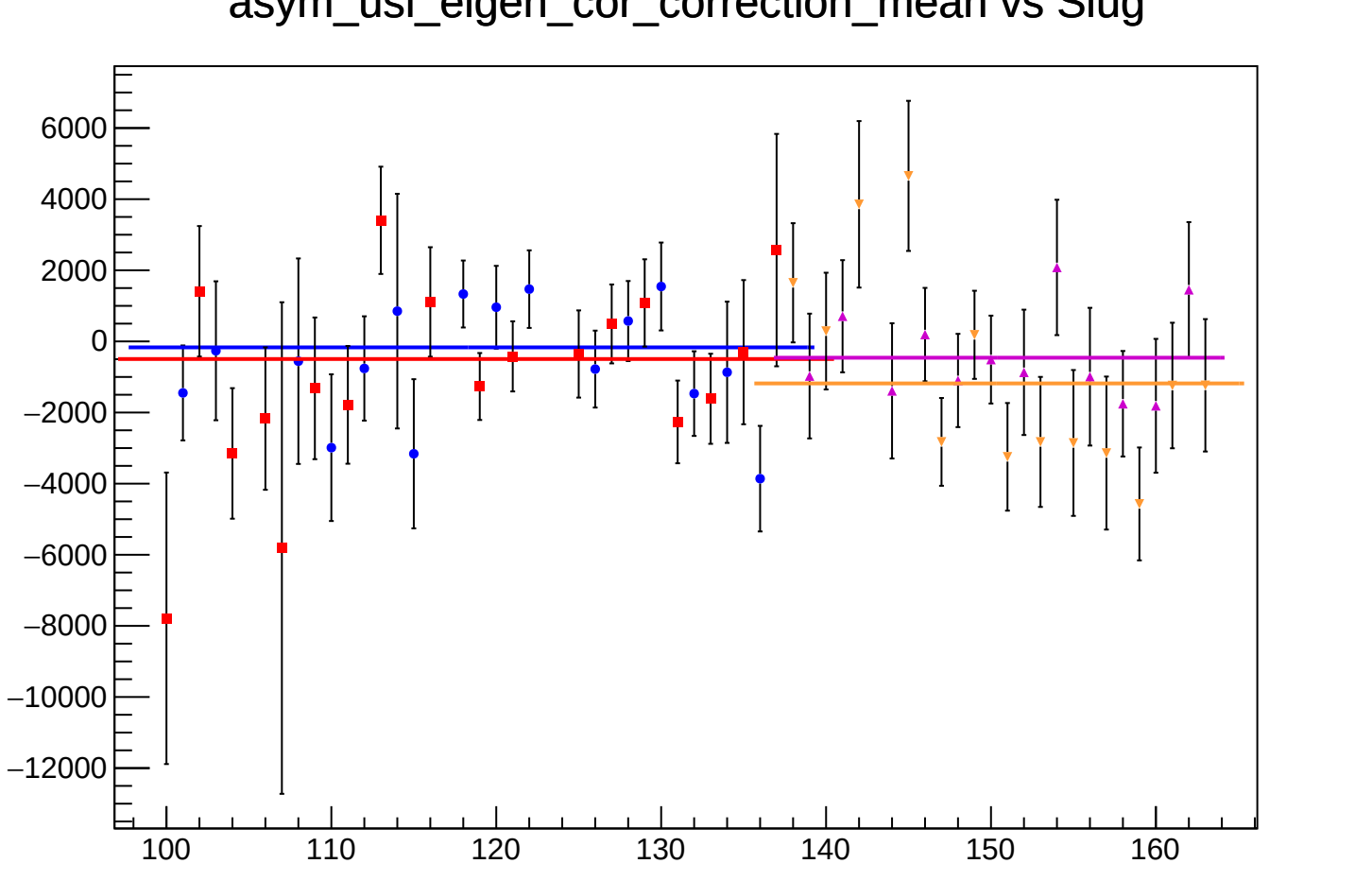
Right Out: 1110.592+/-0.289 χ^2/NDF: 7696.0/17

Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

+ sign 1106.572+/-0.186 χ^2/NDF: 13155.0/28

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58

- sign 1110.883+/-0.187 χ^2/NDF: 10108.9/29



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

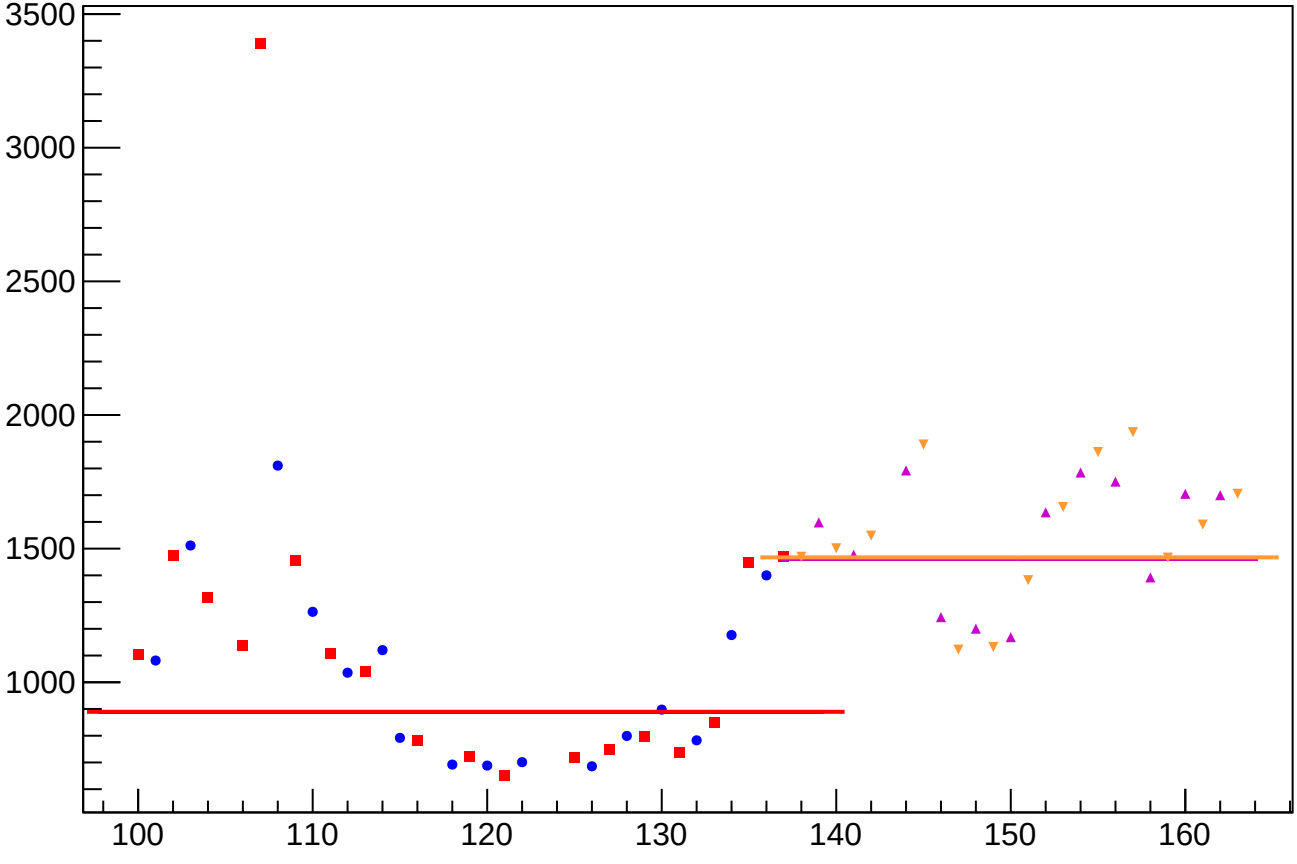
Left In: -458.755+/-461.369 χ^2/NDF:5.6/11

+ sign -529.027+/-277.165 χ^2/NDF: 51.7/28

All: -505.497+/-195.687 χ^2/NDF: 80.6/58

- sign -482.109+/-276.323 χ^2/NDF: 28.8/29

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

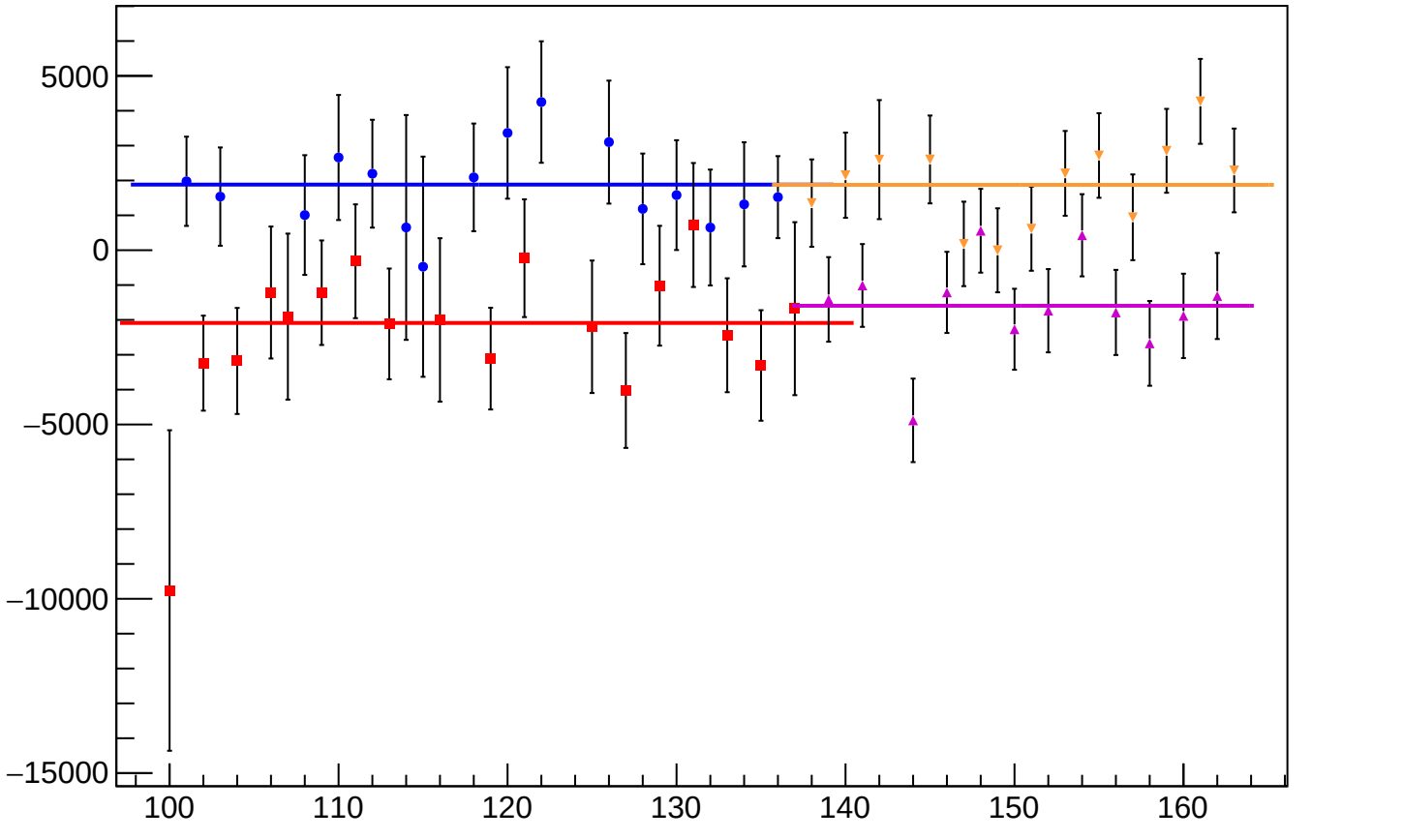
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

+ sign 1094.970+/-0.196 χ^2/NDF: 3754186.1/28

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

- sign 1094.554+/-0.195 χ^2/NDF: 3825708.4/29



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

Left Out: 1874.582+/-344.863 χ^2/NDF:12.0/12

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

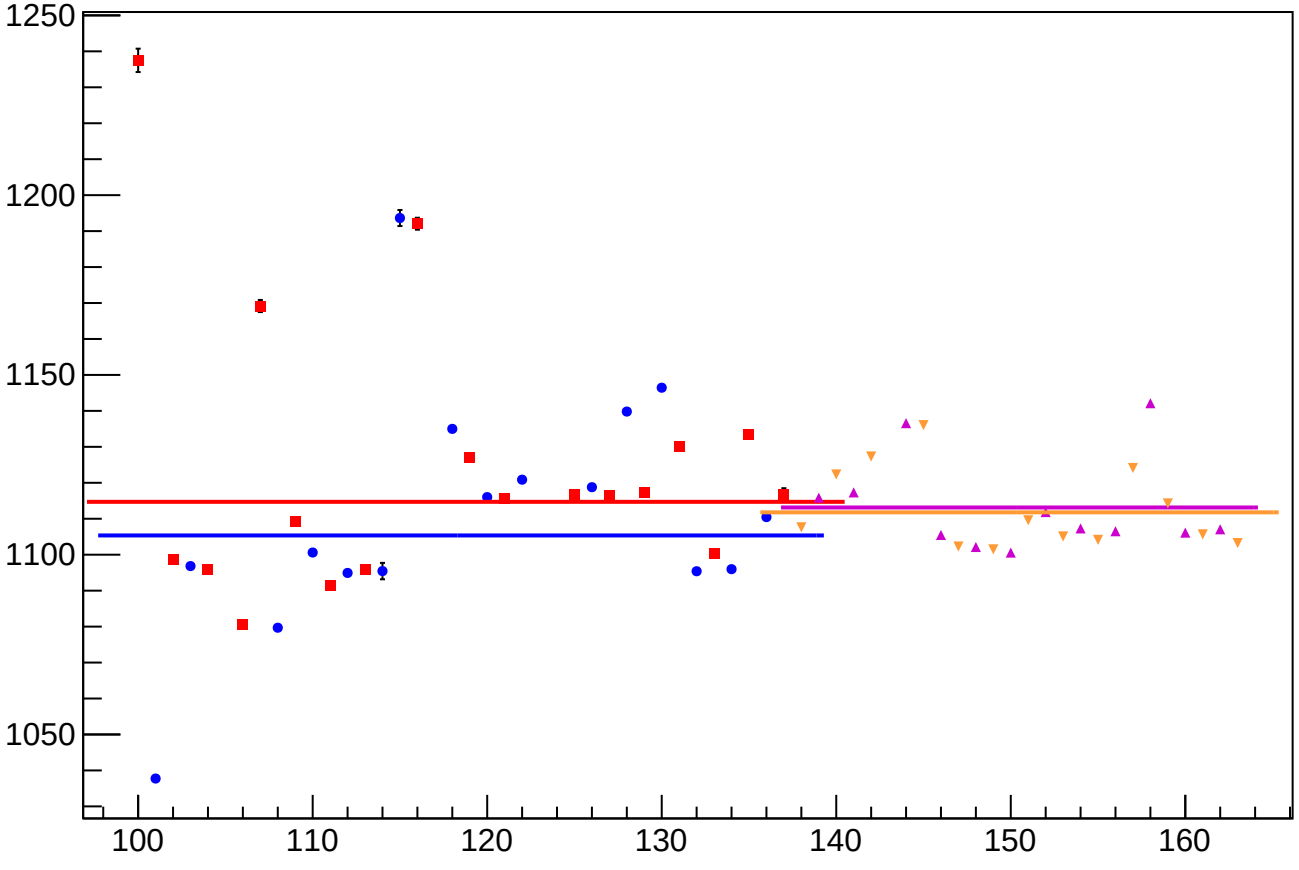
Left In: -1593.980+/-345.806 χ^2/NDF:15.3/11

+ sign 1877.453+/-264.103 χ^2/NDF: 17.2/28

All: 42.617+/-186.906 χ^2/NDF: 142.4/58

- sign -1798.410+/-264.548 χ^2/NDF: 28.5/29

dit_asym_usl_rms vs Slug



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

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

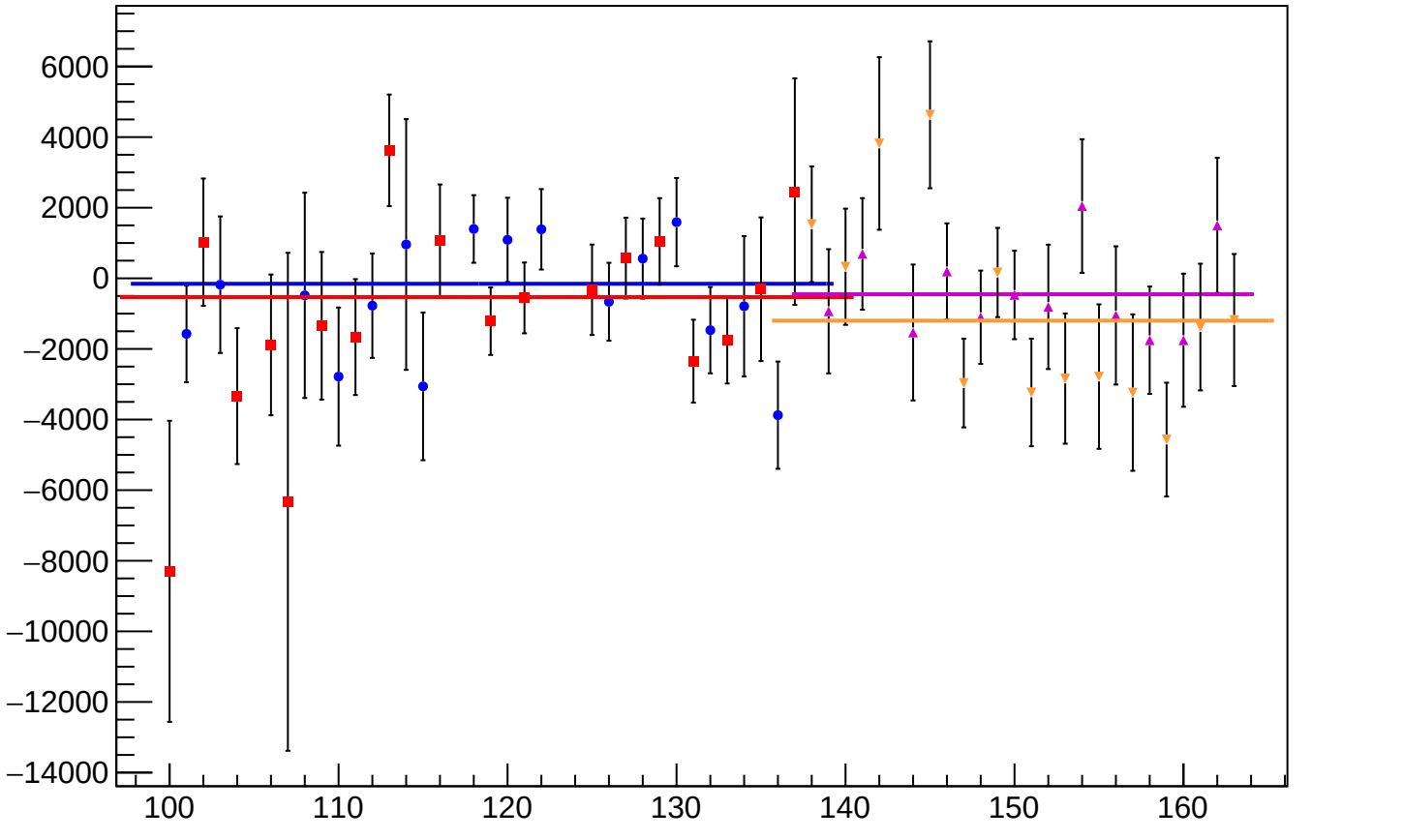
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1113.133+/-0.245 χ^2/NDF:2651.0/11

+ sign 1109.126+/-0.187 χ^2/NDF: 13472.9/28

All: 1111.451+/-0.132 χ^2/NDF: 23782.0/58

- sign 1113.785+/-0.187 χ^2/NDF: 9998.4/29



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

Left Out: -1198.408+/-468.988 χ^2/NDF:27.2/12

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

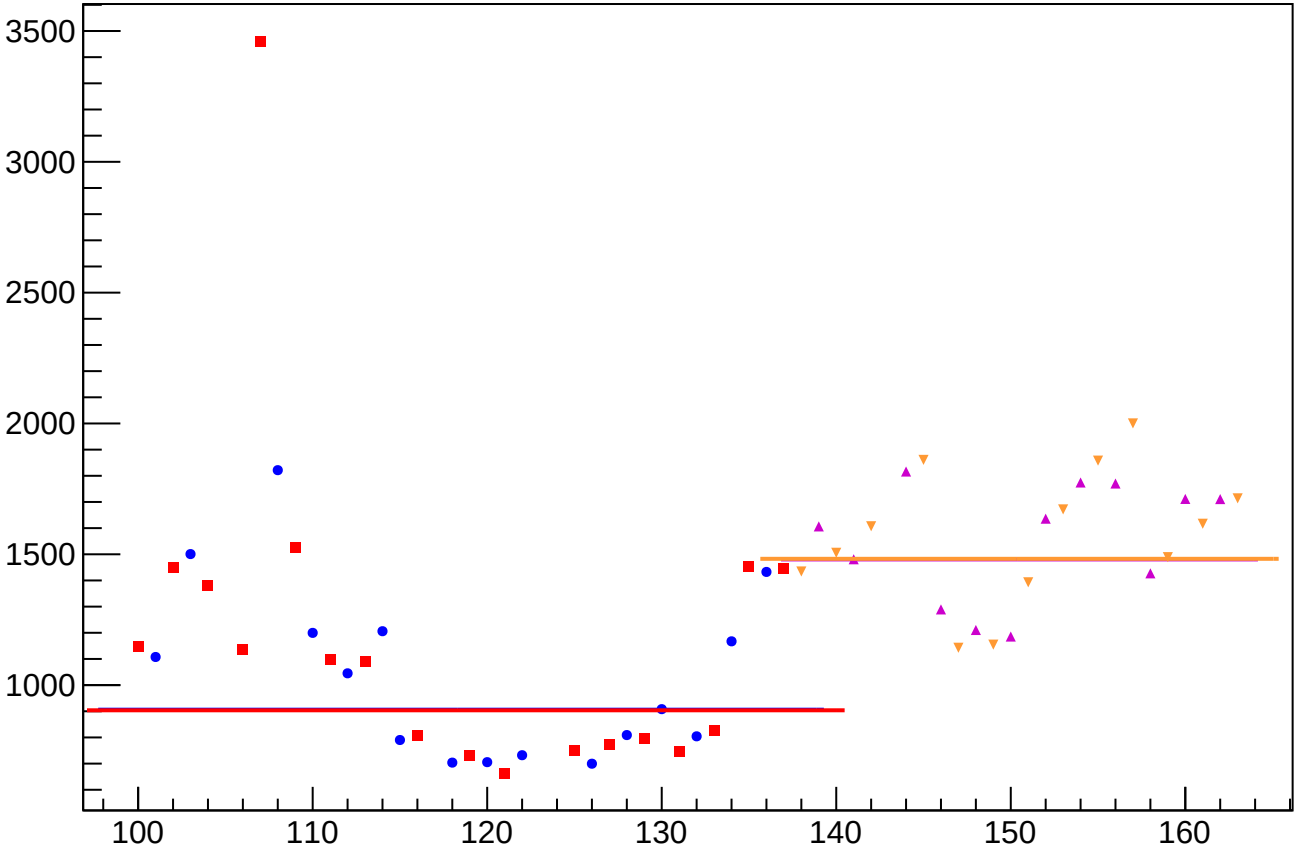
Left In: -450.805+/-466.721 χ^2/NDF:5.5/11

+ sign -529.407+/-281.176 χ^2/NDF: 50.9/28

All: -516.073+/-198.483 χ^2/NDF: 79.6/58

- sign -502.830+/-280.220 χ^2/NDF: 28.8/29

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1482.707+/-0.332 χ^2/NDF:600176.7/12

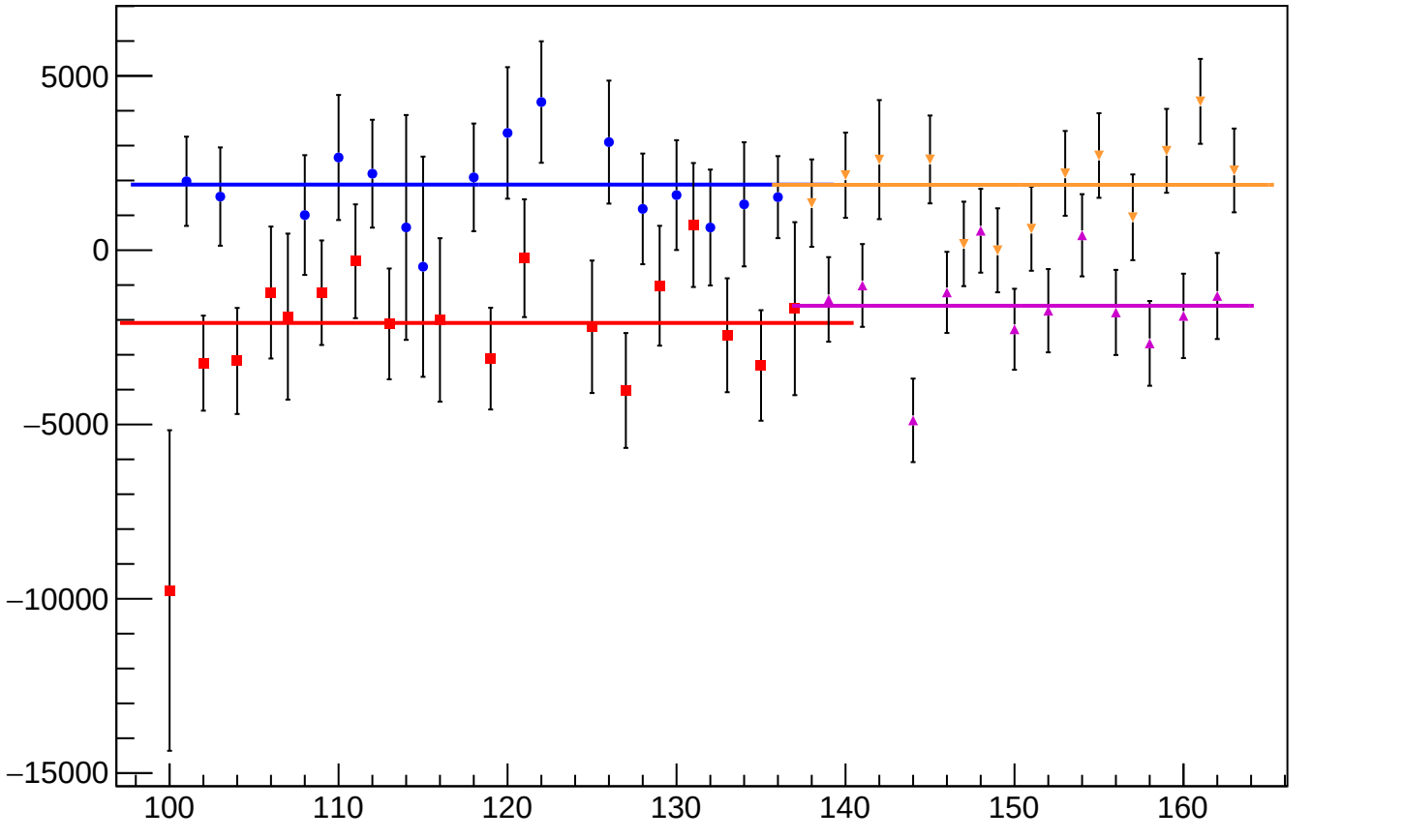
Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1480.368+/-0.330 χ^2/NDF:473840.2/11

+ sign 1113.317+/-0.199 χ^2/NDF: 3616563.6/28

All: 1112.462+/-0.140 χ^2/NDF: 7382686.7/58

- sign 1111.612+/-0.198 χ^2/NDF: 3766086.2/29



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

Left Out: 1874.577+/-344.863 χ^2/NDF:12.0/12

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

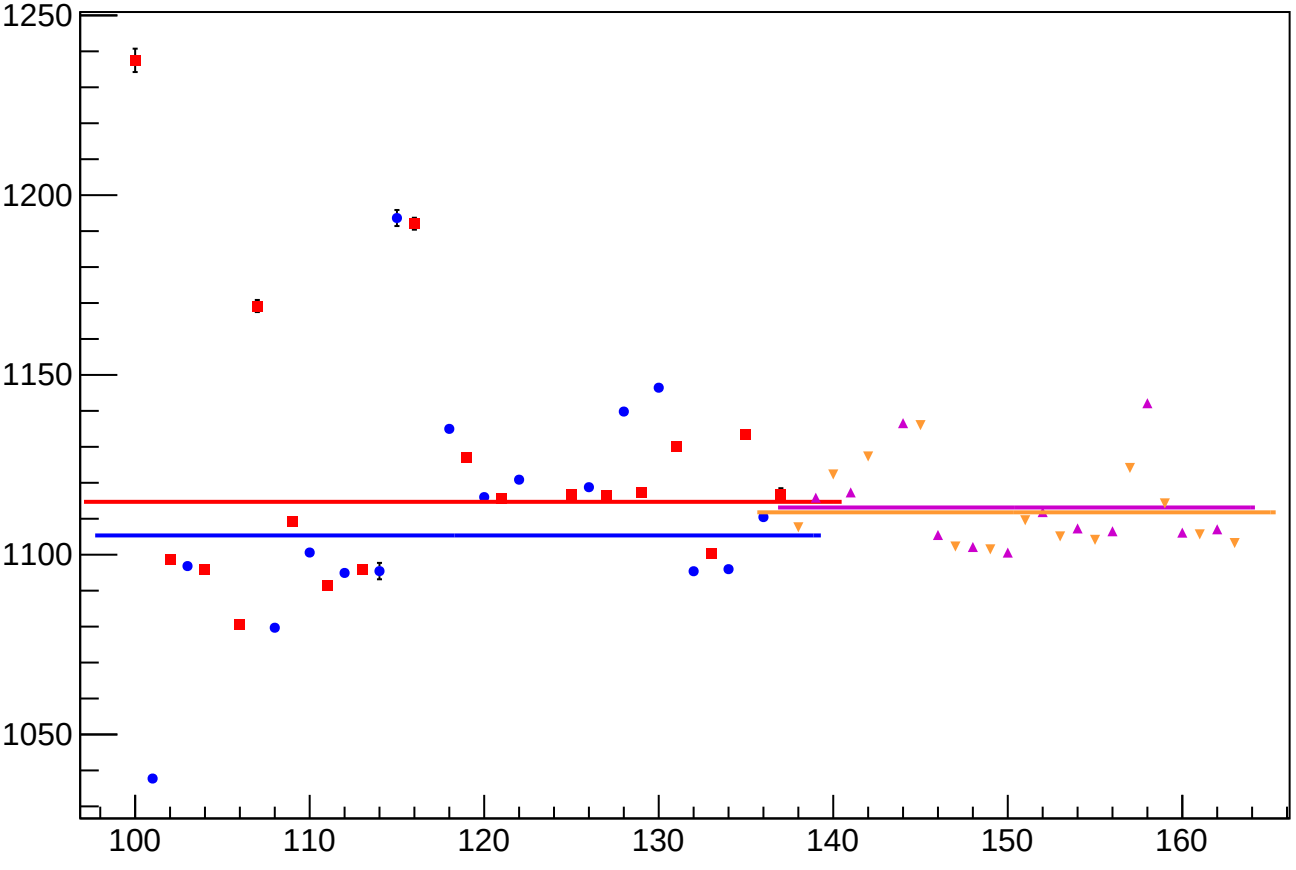
Left In: -1593.982+/-345.806 χ^2/NDF:15.3/11

+ sign 1877.449+/-264.103 χ^2/NDF: 17.2/28

All: 42.616+/-186.906 χ^2/NDF: 142.4/58

- sign -1798.410+/-264.548 χ^2/NDF: 28.5/29

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

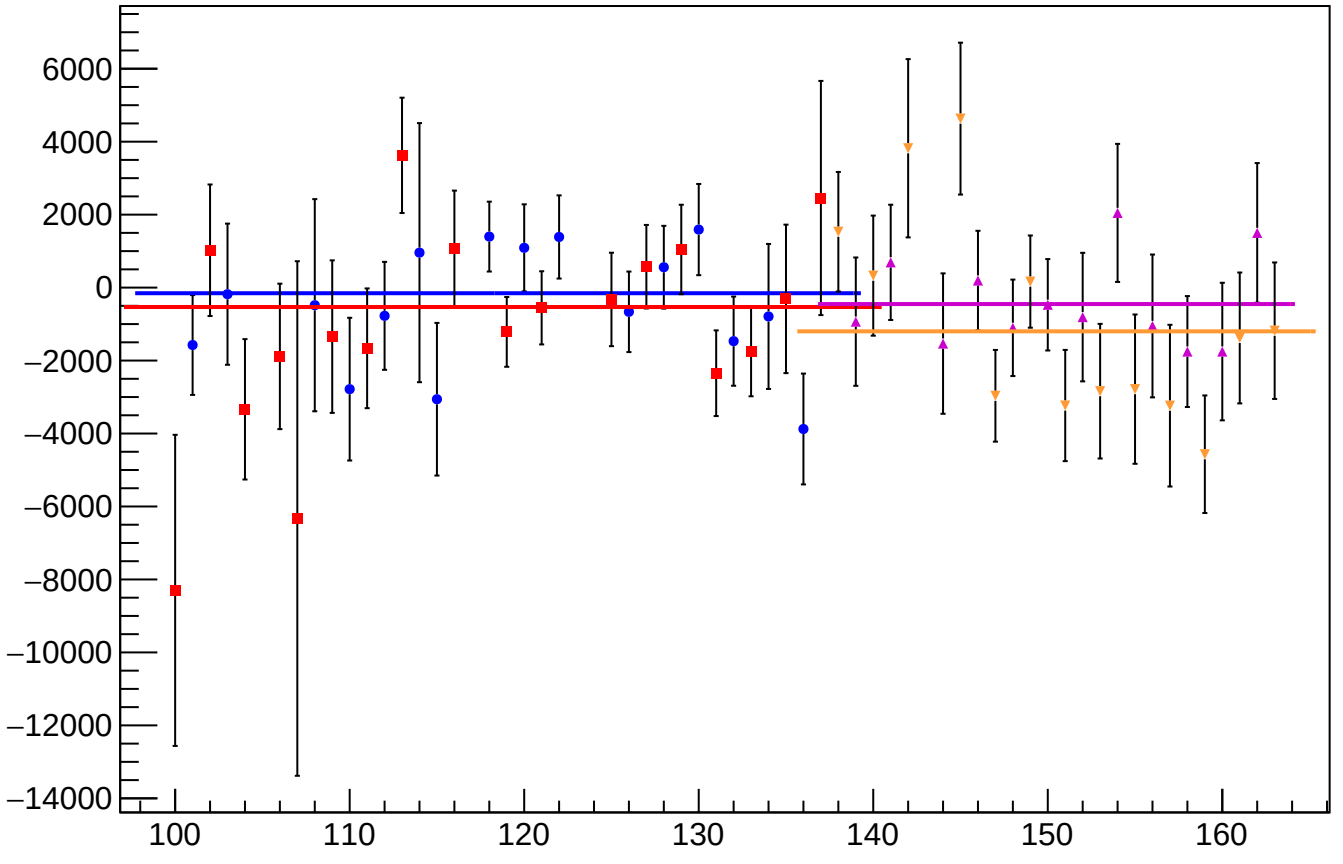
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1113.133+/-0.245 χ^2/NDF:2651.0/11

+ sign 1109.126+/-0.187 χ^2/NDF: 13472.9/28

All: 1111.451+/-0.132 χ^2/NDF: 23782.0/58

- sign 1113.785+/-0.187 χ^2/NDF: 9998.3/29



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

Left Out: -1198.414+/-468.989 χ^2/NDF:27.2/12

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

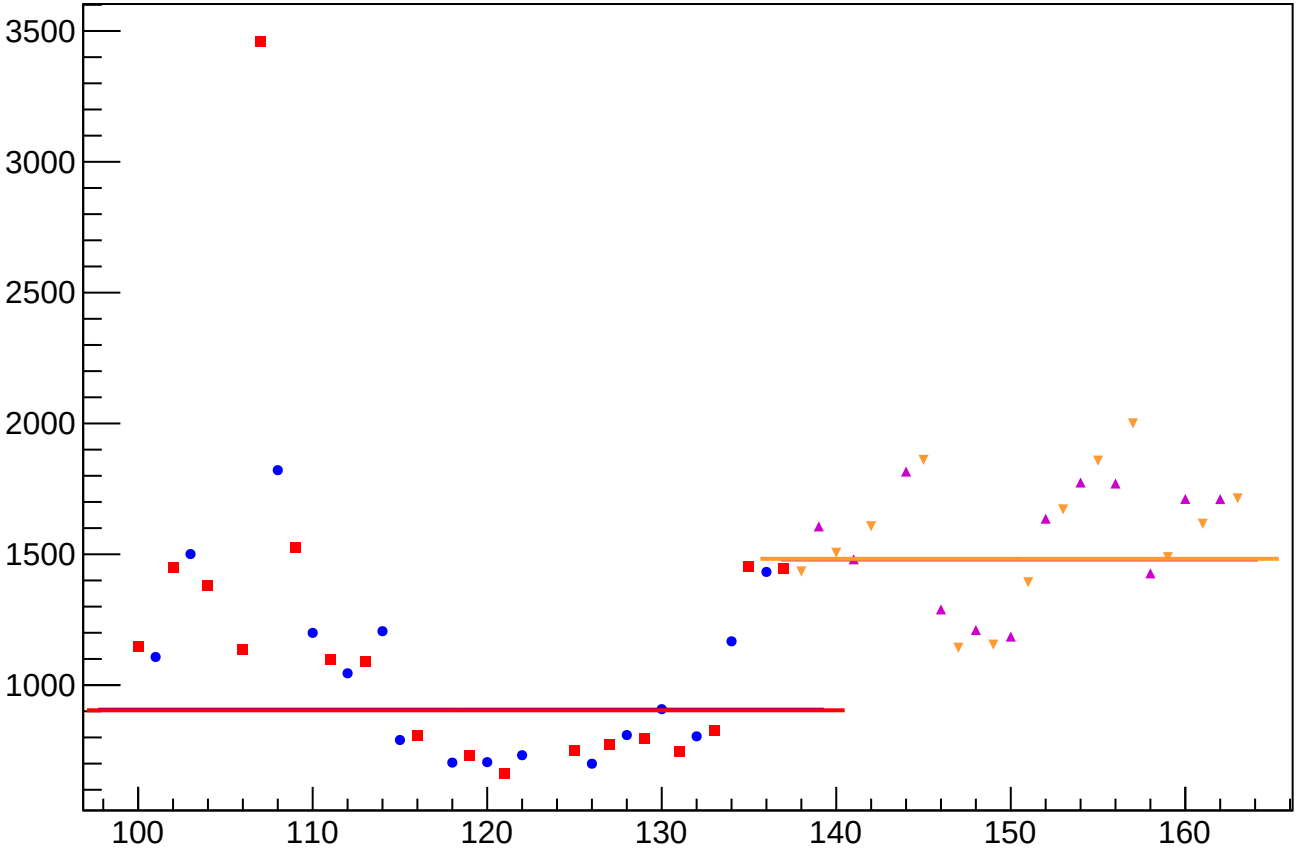
Left In: -450.807+/-466.722 χ^2/NDF:5.5/11

+ sign -529.407+/-281.176 χ^2/NDF: 50.9/28

All: -516.073+/-198.482 χ^2/NDF: 79.6/58

- sign -502.830+/-280.220 χ^2/NDF: 28.8/29

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1482.709+/-0.332 χ^2/NDF:600173.4/12

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

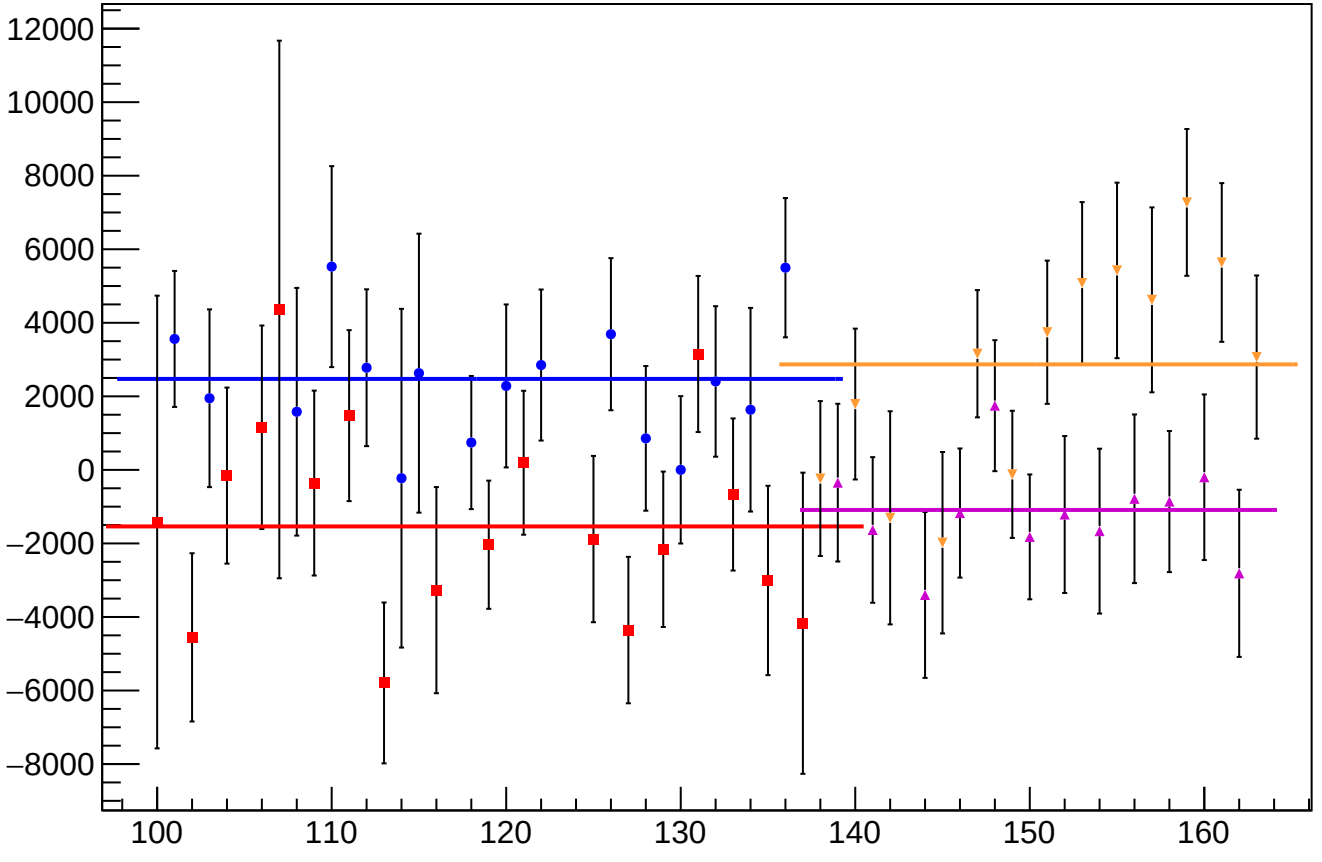
Left In: 1480.370+/-0.330 χ^2/NDF:473837.1/11

+ sign 1113.316+/-0.199 χ^2/NDF: 3616591.9/28

All: 1112.460+/-0.140 χ^2/NDF: 7382742.7/58

- sign 1111.611+/-0.198 χ^2/NDF: 3766113.9/29

asym_usl_mean vs Slug



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

Left Out: 2869.334+/-588.488 χ^2/NDF:20.8/12

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

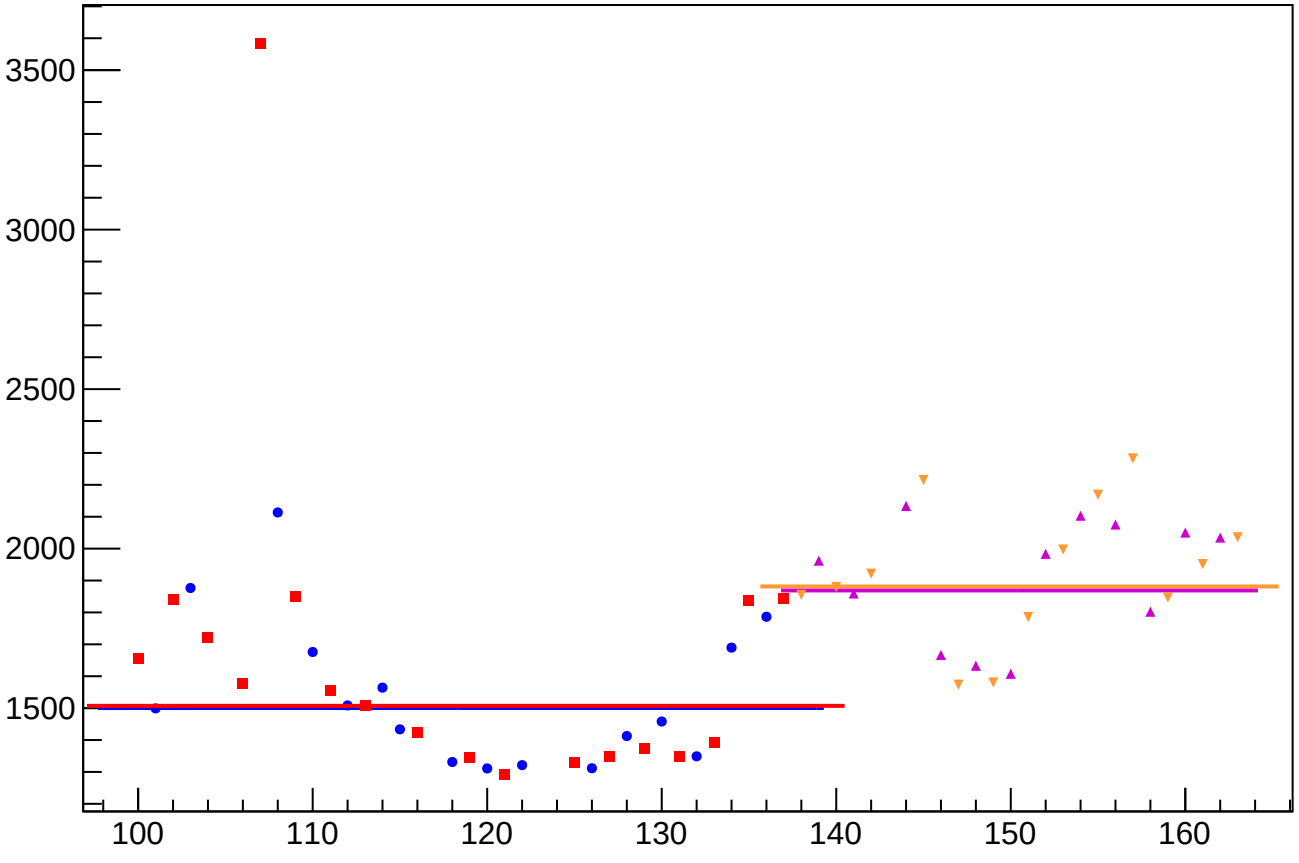
Left In: -1089.260+/-584.578 χ^2/NDF:4.8/11

+ sign 2662.883+/-406.736 χ^2/NDF: 29.2/28

All: 665.696+/-287.247 χ^2/NDF: 100.9/58

- sign -1321.551+/-405.723 χ^2/NDF: 23.6/29

asym_usl_rms vs Slug



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

Left Out: 1881.399+/-0.416 χ^2/NDF:264006.4/12

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

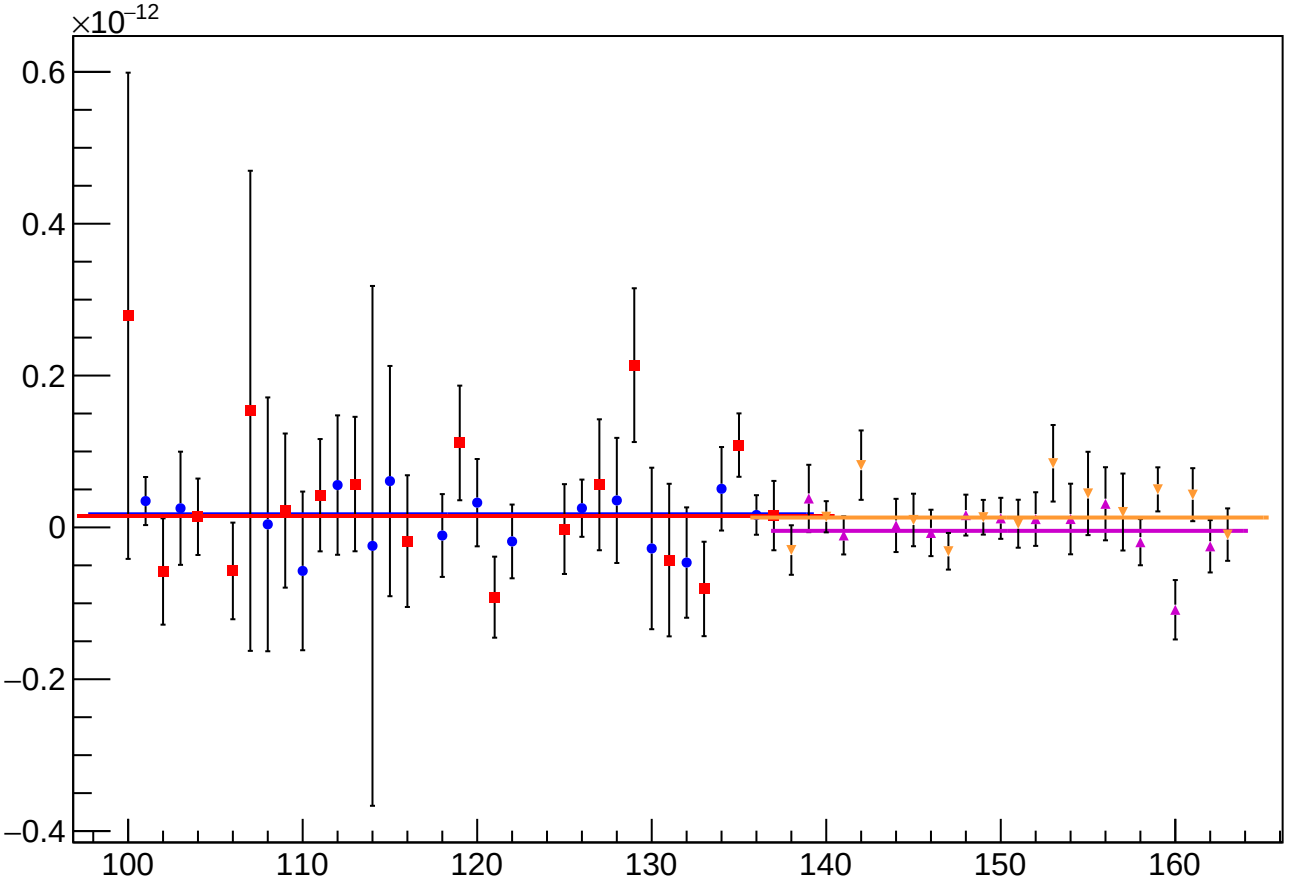
Left In: 1868.969+/-0.413 χ^2/NDF:210281.8/11

+ sign 1682.389+/-0.288 χ^2/NDF: 960702.9/28

All: 1681.899+/-0.203 χ^2/NDF: 1969444.7/58

- sign 1681.410+/-0.287 χ^2/NDF: 1008736.0/29

asym_usl_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/12

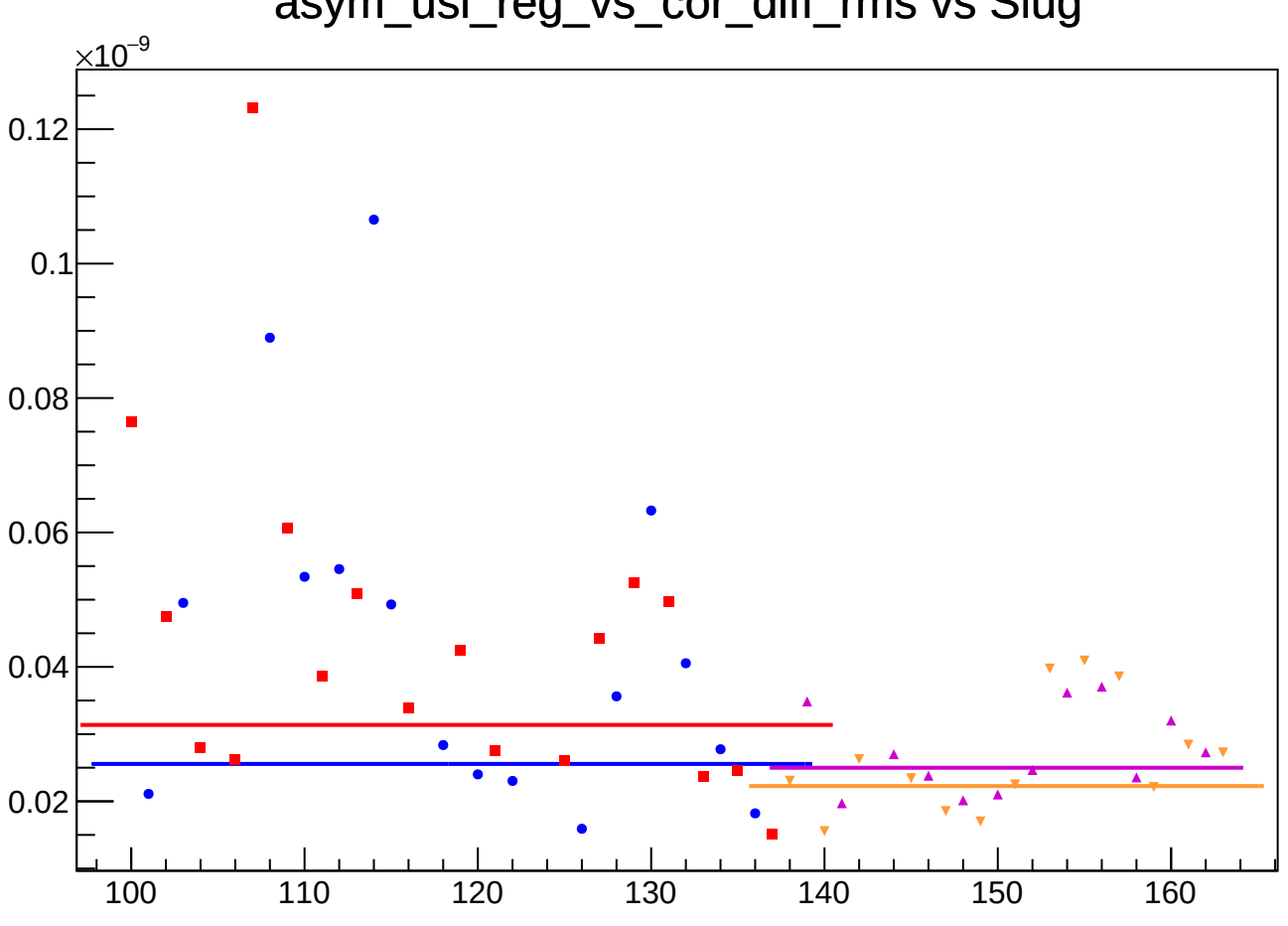
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 16.1/28

All: 0.000+/-0.000 χ^2/NDF: 50.5/58

- sign 0.000+/-0.000 χ^2/NDF: 32.9/29



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

Left Out: 0.000+/-0.000 χ^2/NDF:1169674.1/12

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

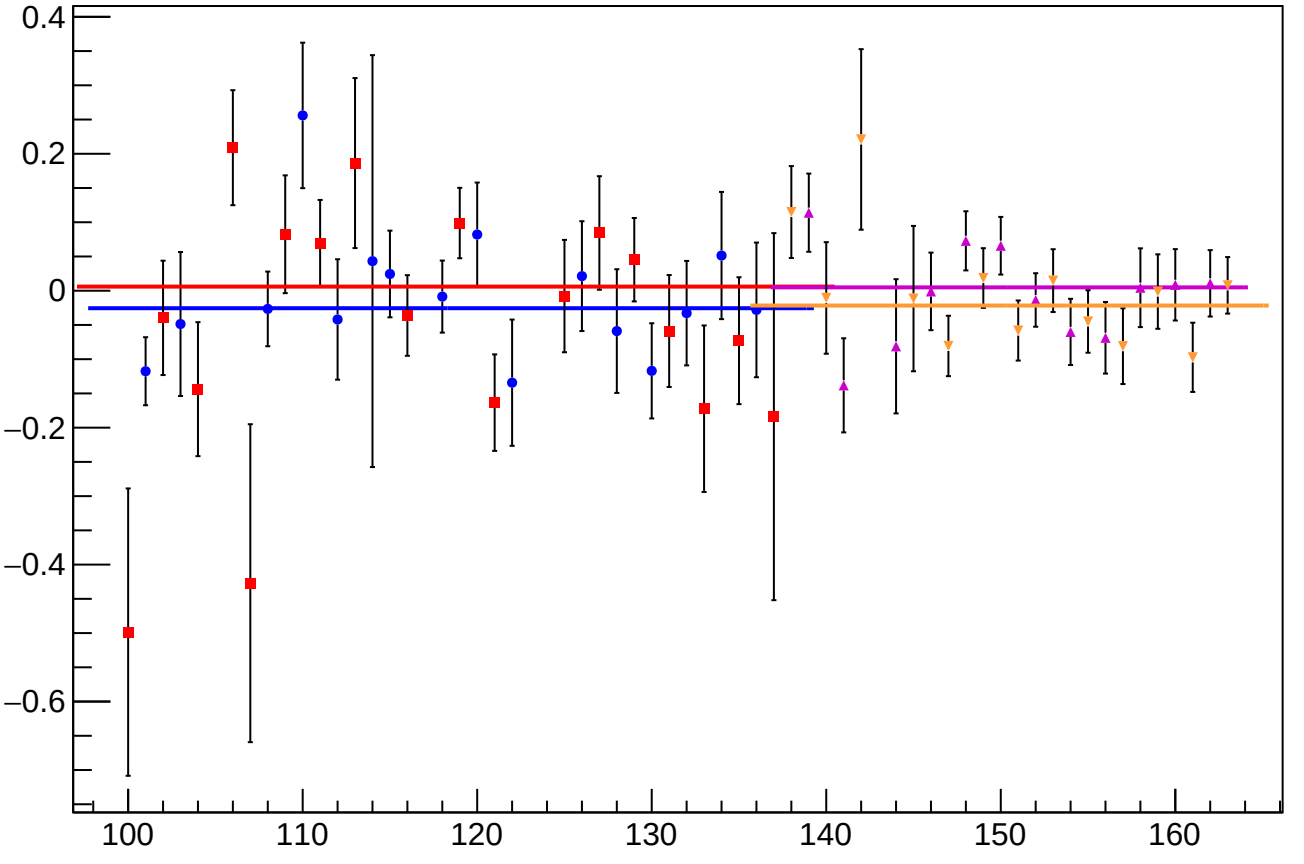
Left In: 0.000+/-0.000 χ^2/NDF:623913.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 2961508.5/28

All: 0.000+/-0.000 χ^2/NDF: 5238609.5/58

- sign 0.000+/-0.000 χ^2/NDF: 2083895.9/29

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

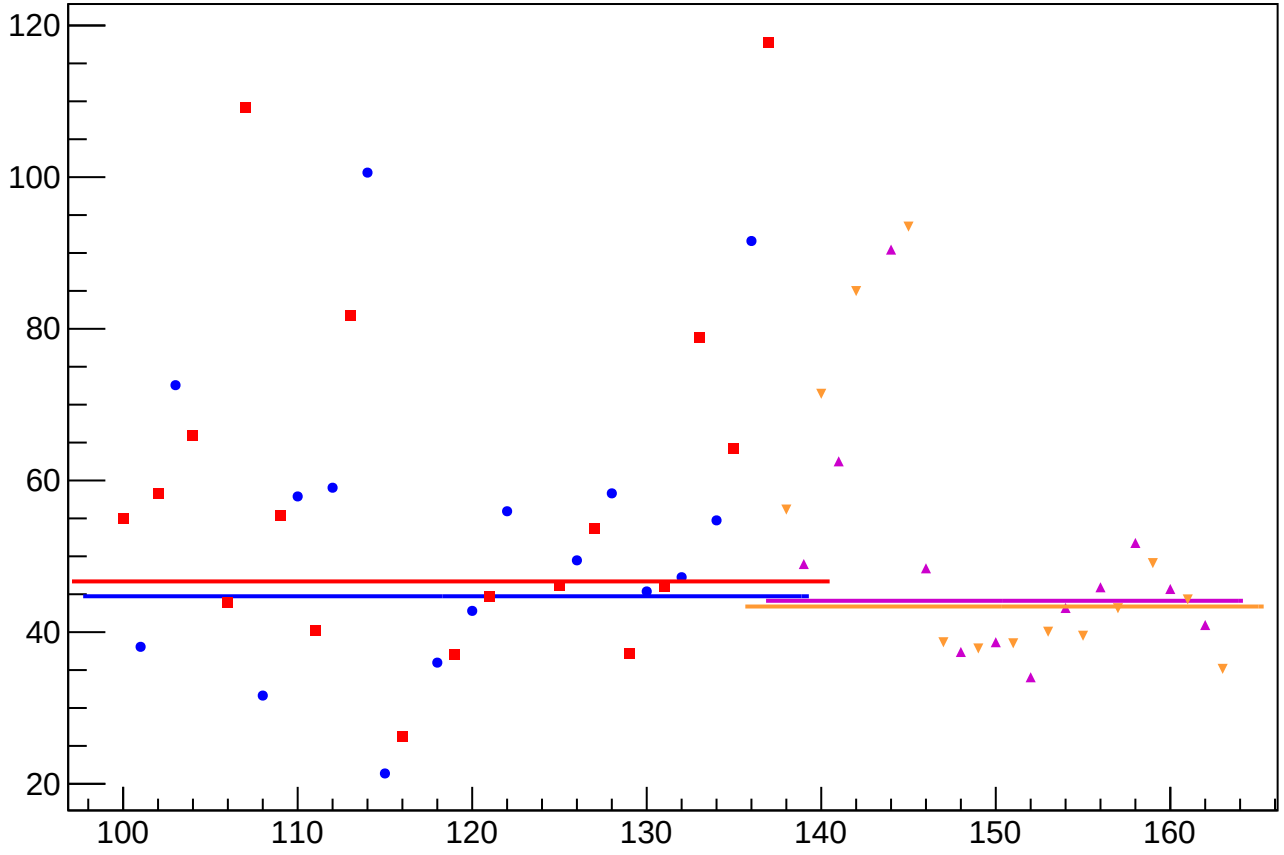
Left In: 0.005+/-0.015 χ^2/NDF:17.4/11

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/58

- sign 0.005+/-0.012 χ^2/NDF: 53.9/29

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.381+/-0.010 χ^2/NDF:1160671.3/12

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

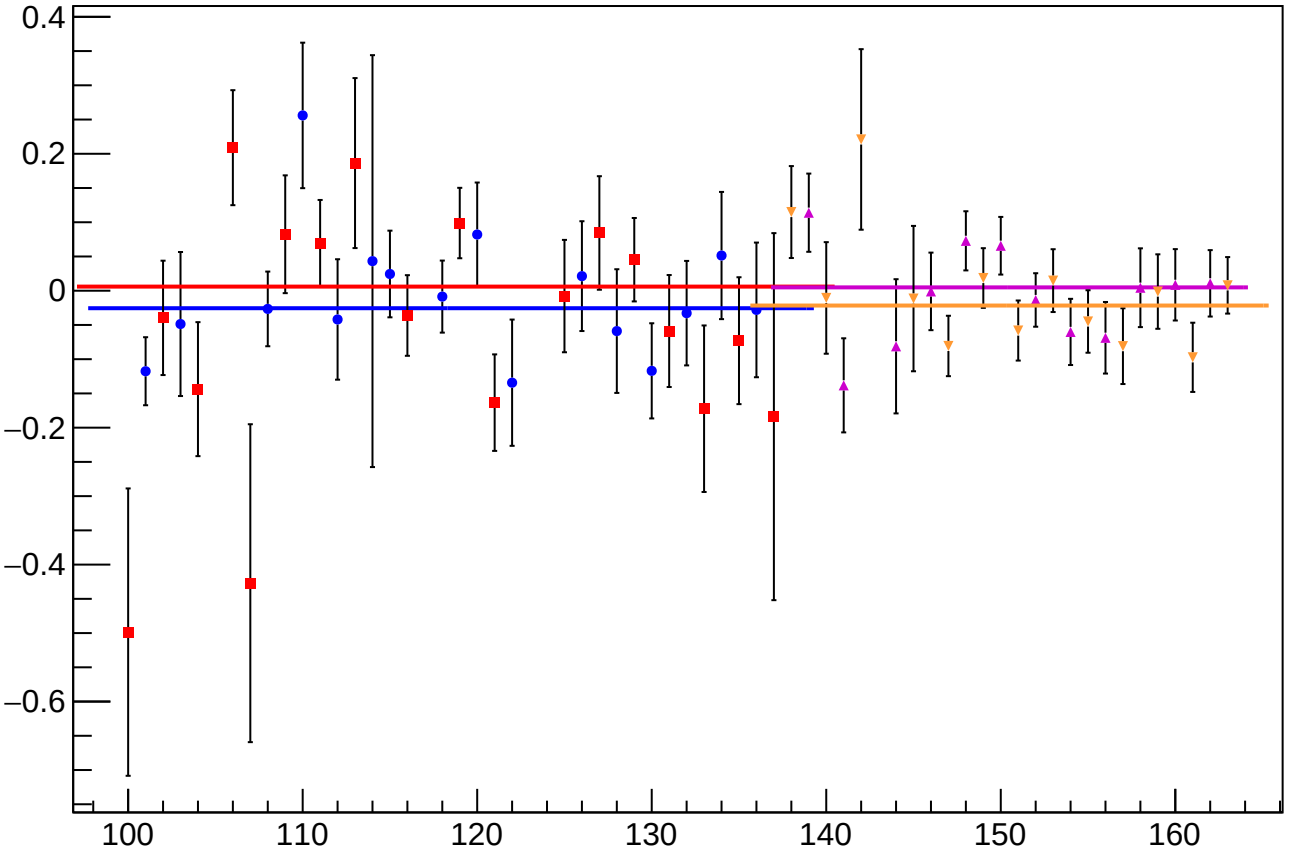
Left In: 44.137+/-0.010 χ^2/NDF:880215.2/11

+ sign 43.892+/-0.008 χ^2/NDF: 2501669.6/28

All: 44.472+/-0.006 χ^2/NDF: 4609615.1/58

- sign 45.075+/-0.008 χ^2/NDF: 2097622.2/29

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

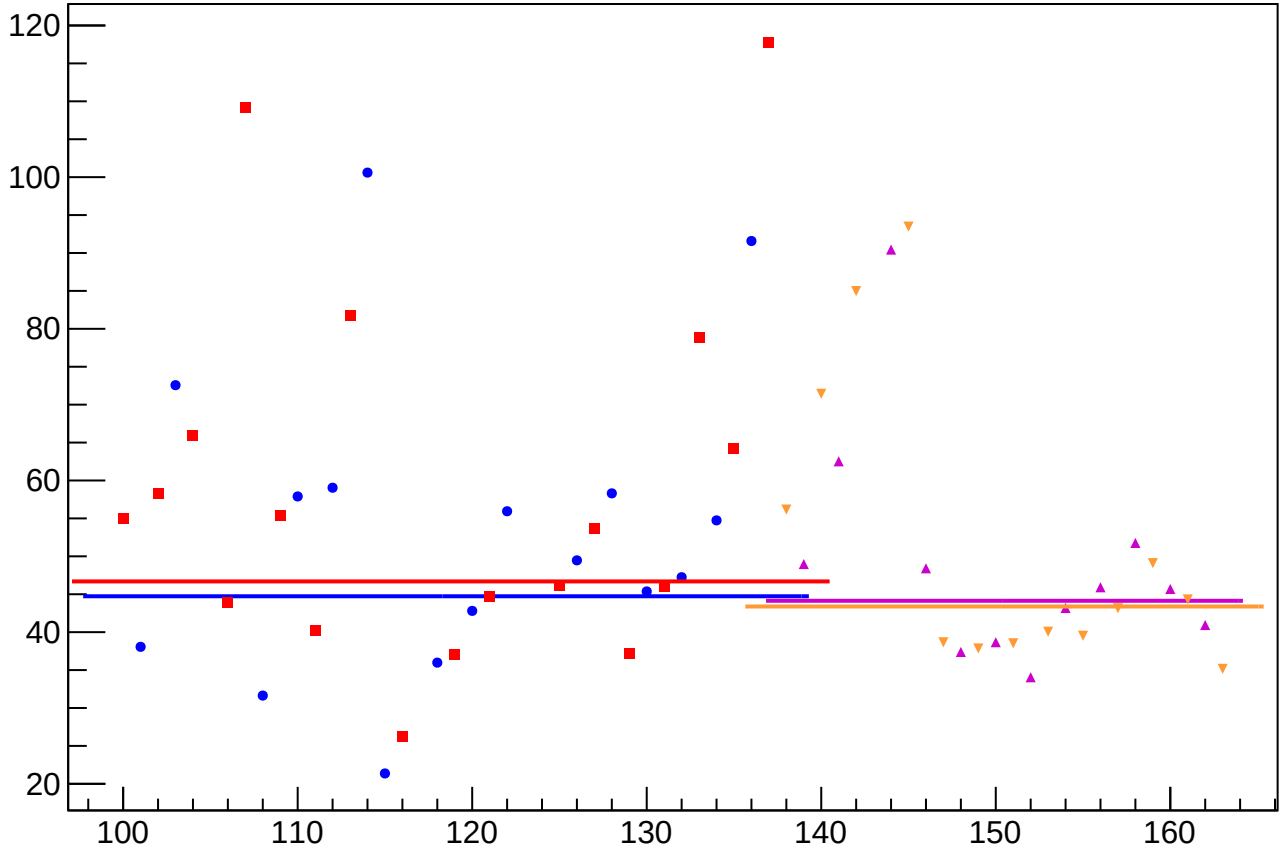
Left In: 0.005+/-0.015 χ^2/NDF:17.4/11

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/58

- sign 0.005+/-0.012 χ^2/NDF: 53.9/29

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.381+/-0.010 χ^2/NDF:1160671.3/12

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

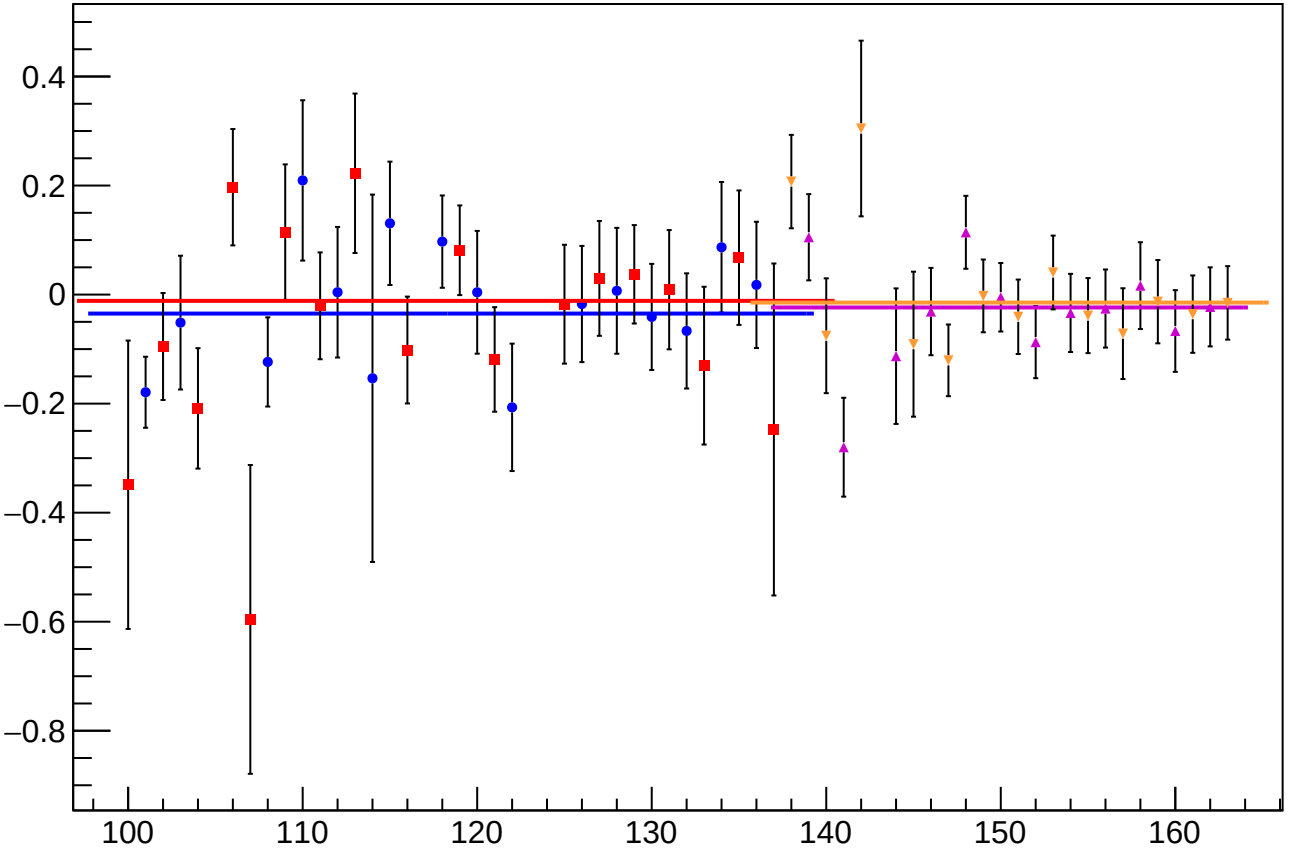
Left In: 44.137+/-0.010 χ^2/NDF:880215.2/11

+ sign 43.892+/-0.008 χ^2/NDF: 2501669.6/28

All: 44.472+/-0.006 χ^2/NDF: 4609615.1/58

- sign 45.075+/-0.008 χ^2/NDF: 2097622.2/29

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.015+/-0.022 χ^2/NDF:15.4/12

Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

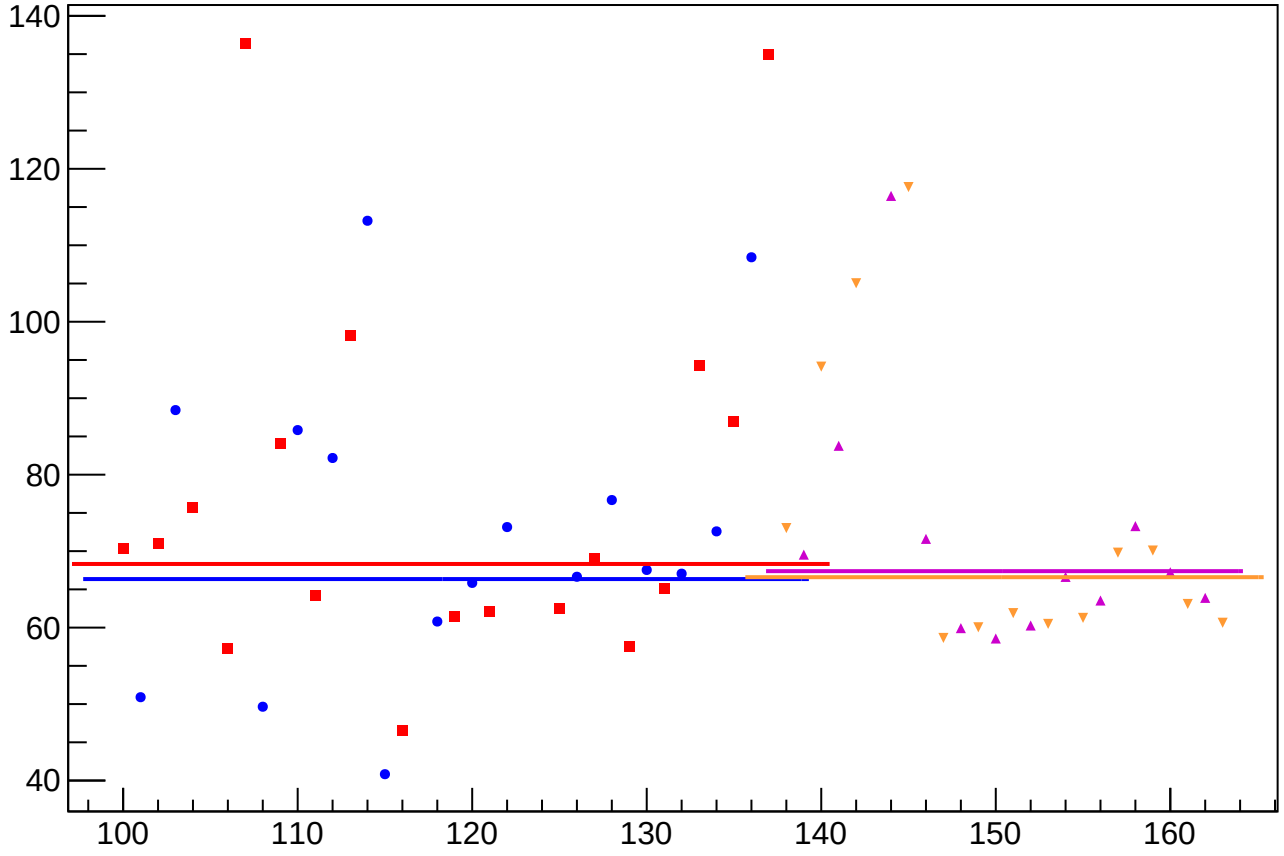
Left In: -0.024+/-0.022 χ^2/NDF:17.0/11

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/28

All: -0.021+/-0.012 χ^2/NDF: 73.2/58

- sign -0.019+/-0.017 χ^2/NDF: 39.9/29

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 66.594+/-0.015 χ^2/NDF:670048.8/12

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

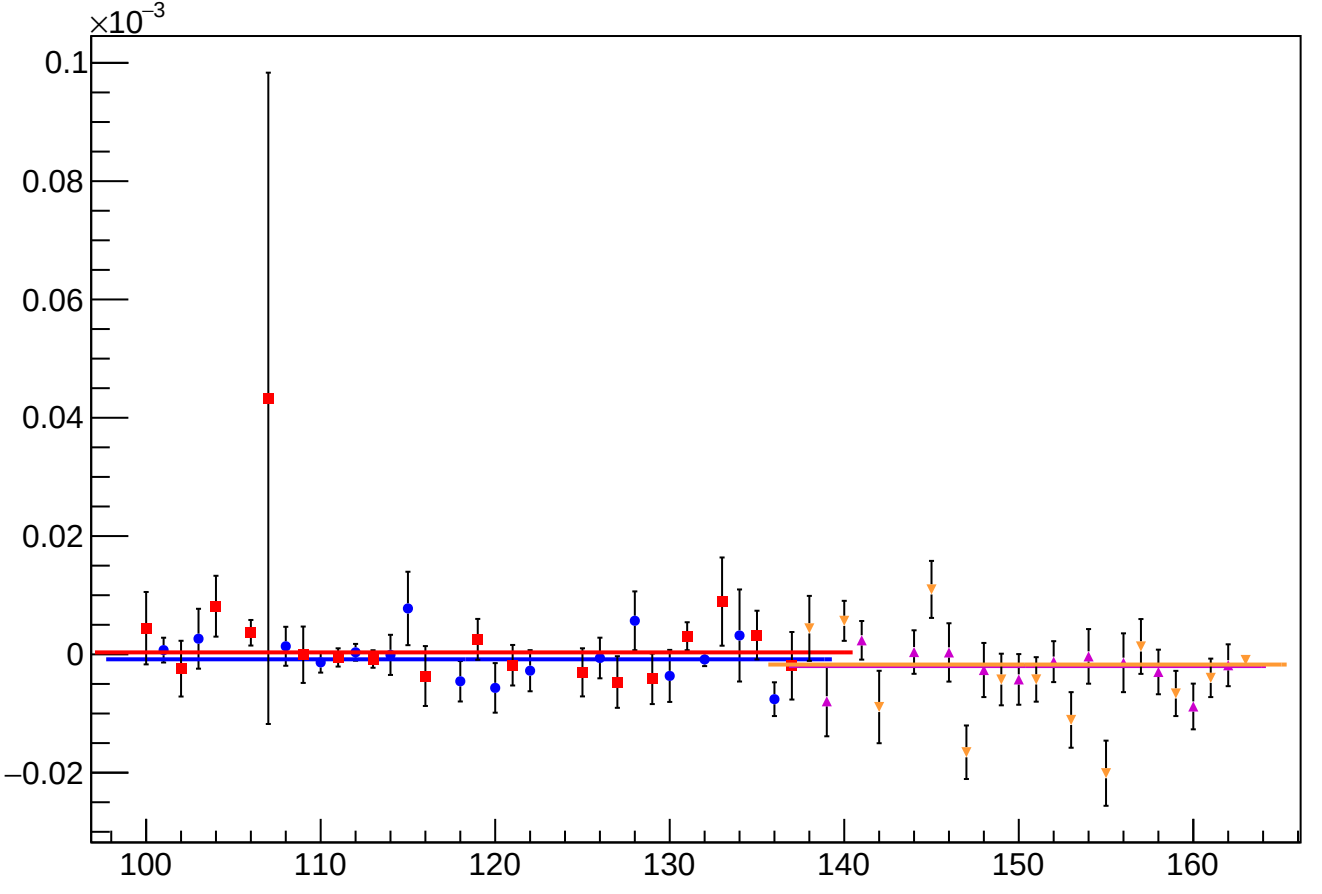
Left In: 67.384+/-0.015 χ^2/NDF:492919.3/11

+ sign 66.495+/-0.012 χ^2/NDF: 1442806.6/28

All: 67.116+/-0.008 χ^2/NDF: 2572498.0/58

- sign 67.754+/-0.012 χ^2/NDF: 1124063.2/29

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:44.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

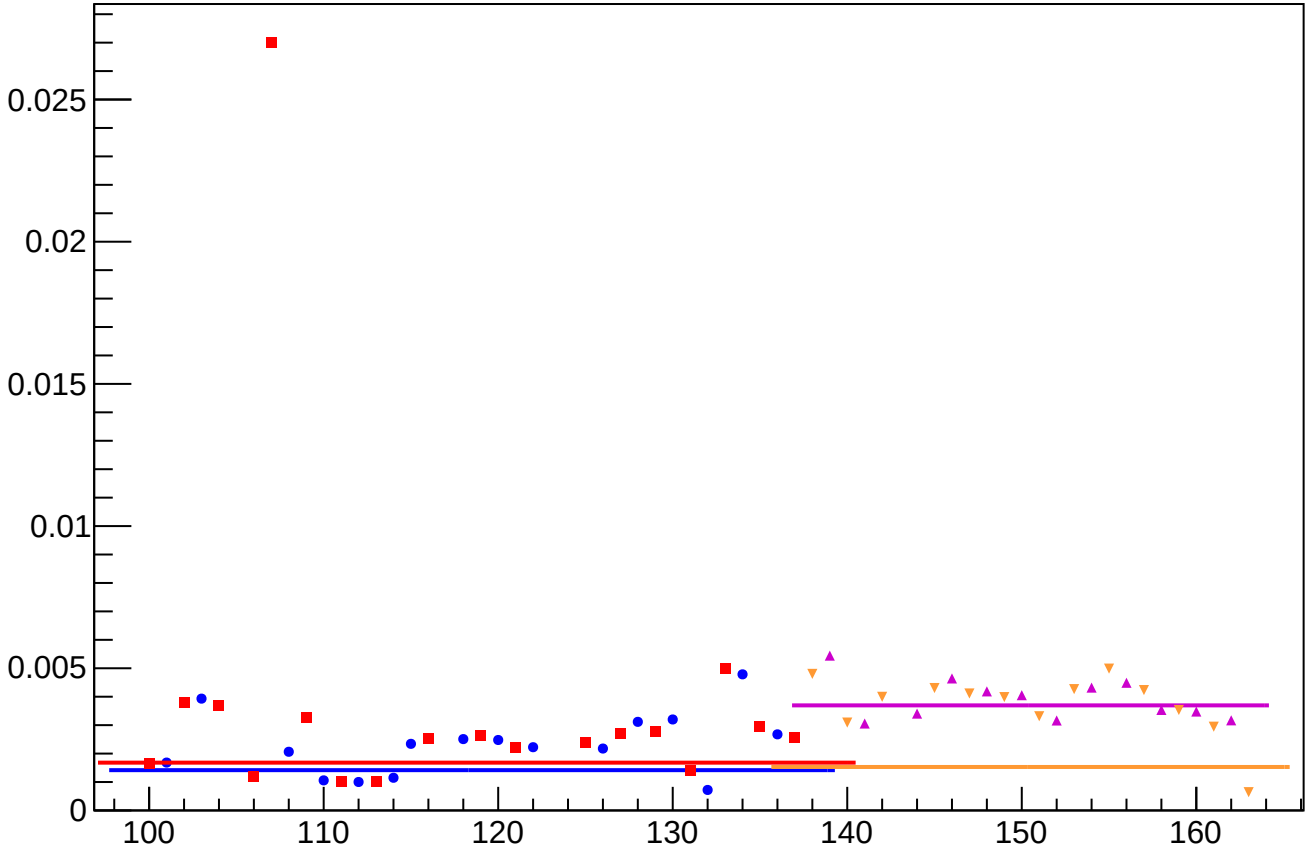
Left In: -0.000+/-0.000 χ^2/NDF:7.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/28

All: -0.000+/-0.000 χ^2/NDF: 86.7/58

- sign -0.000+/-0.000 χ^2/NDF: 24.7/29

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9502749.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

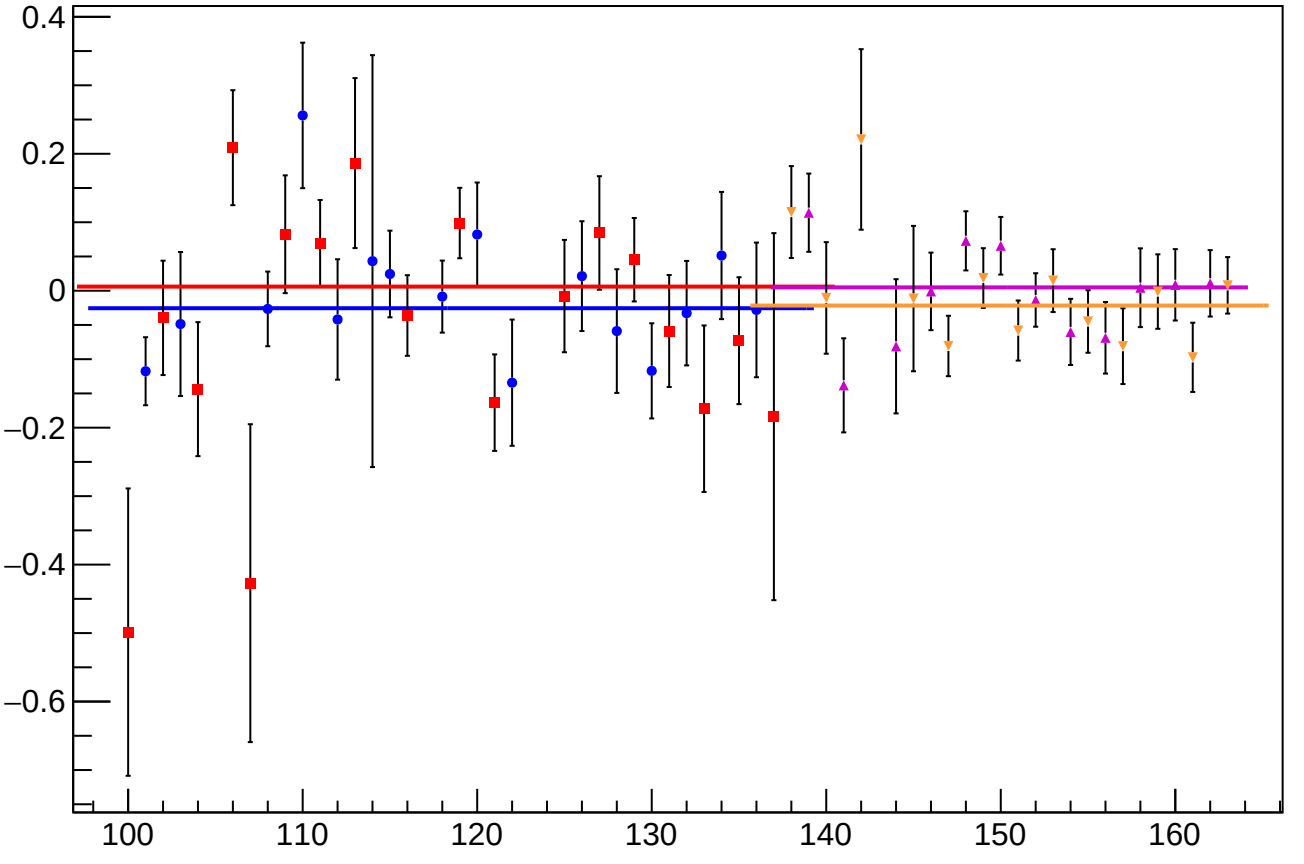
Left In: 0.004+/-0.000 χ^2/NDF:563227.3/11

+ sign 0.001+/-0.000 χ^2/NDF: 13080745.6/28

All: 0.002+/-0.000 χ^2/NDF: 23370496.4/58

- sign 0.002+/-0.000 χ^2/NDF: 8263228.4/29

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

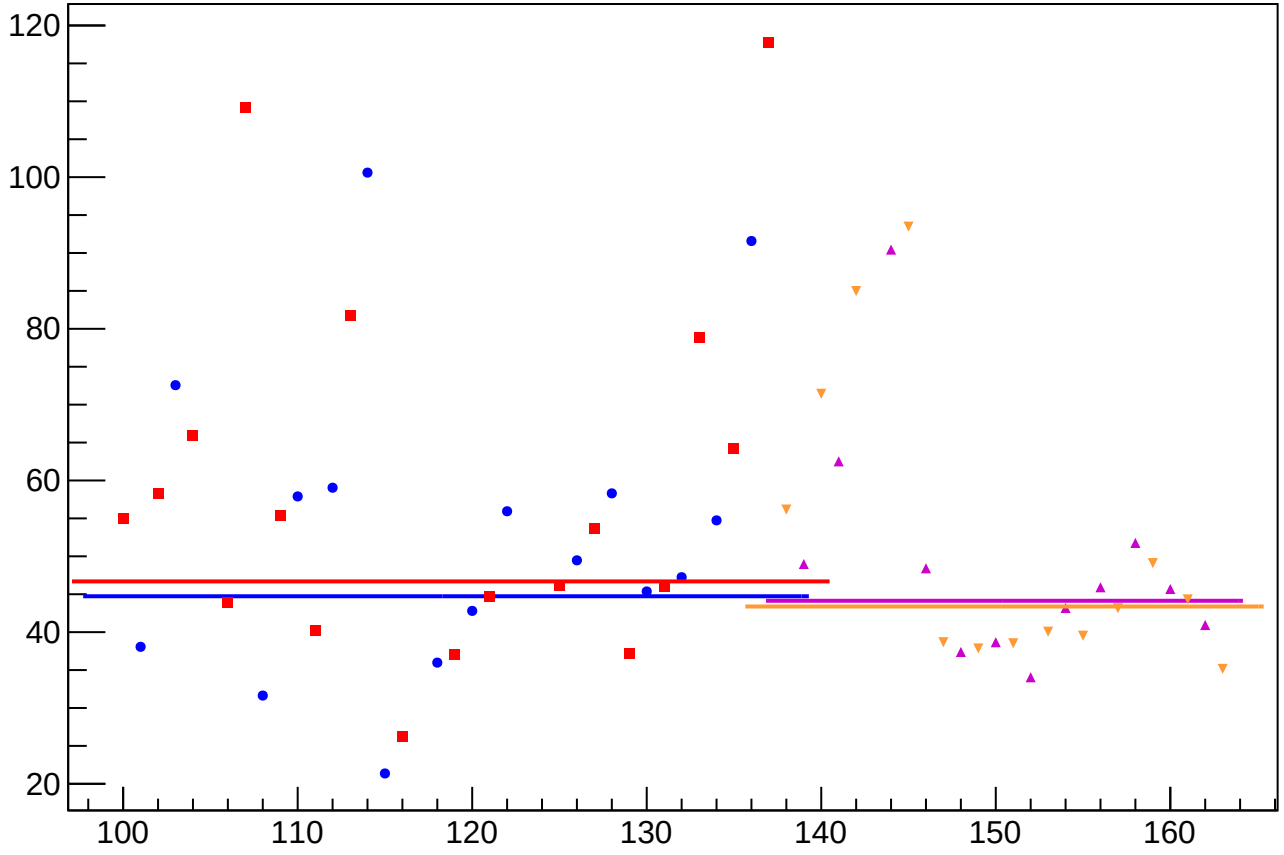
Left In: 0.005+/-0.015 χ^2/NDF:17.4/11

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/58

- sign 0.005+/-0.012 χ^2/NDF: 53.9/29

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.382+/-0.010 χ^2/NDF:1160643.0/12

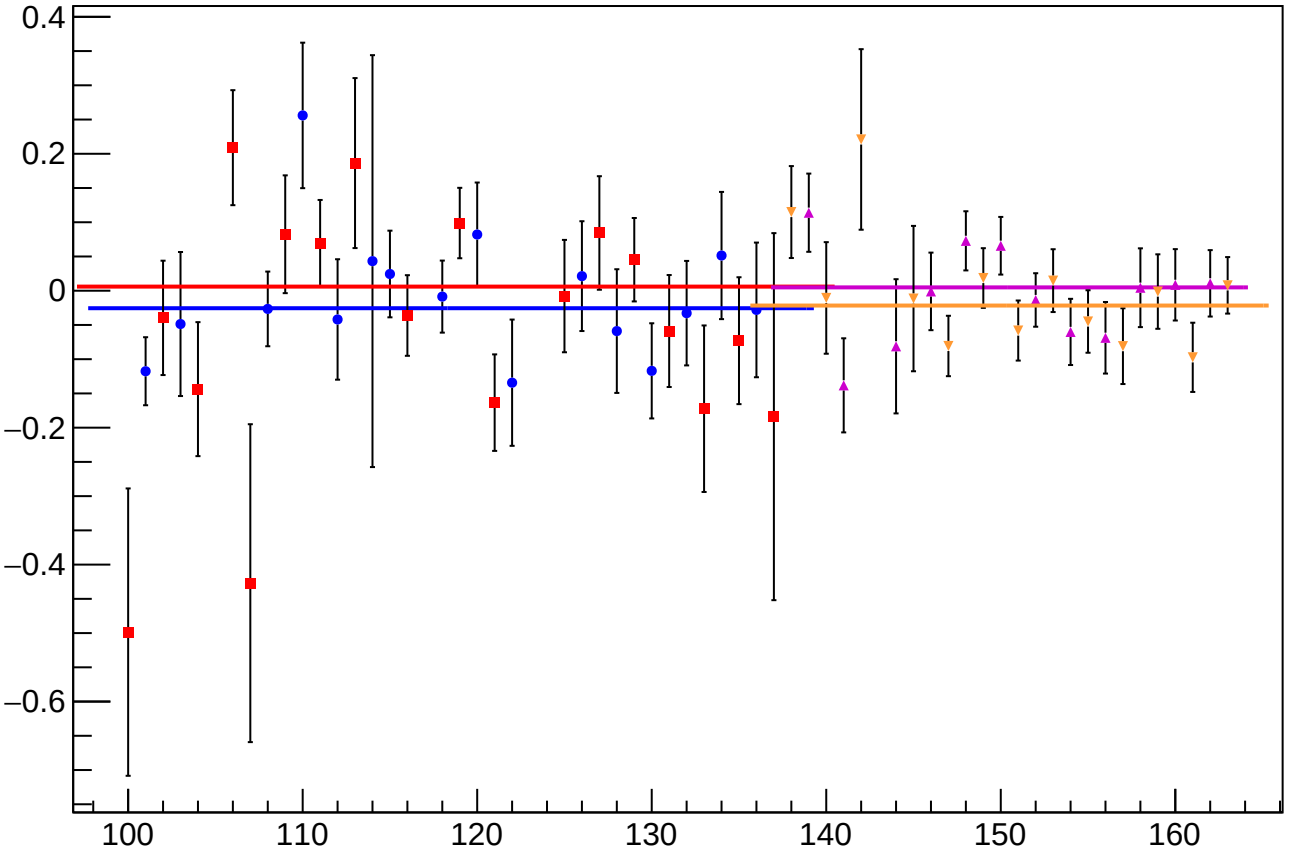
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.137+/-0.010 χ^2/NDF:880196.7/11

+ sign 43.892+/-0.008 χ^2/NDF: 2501692.4/28

All: 44.472+/-0.006 χ^2/NDF: 4609639.1/58

- sign 45.075+/-0.008 χ^2/NDF: 2097622.5/29



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

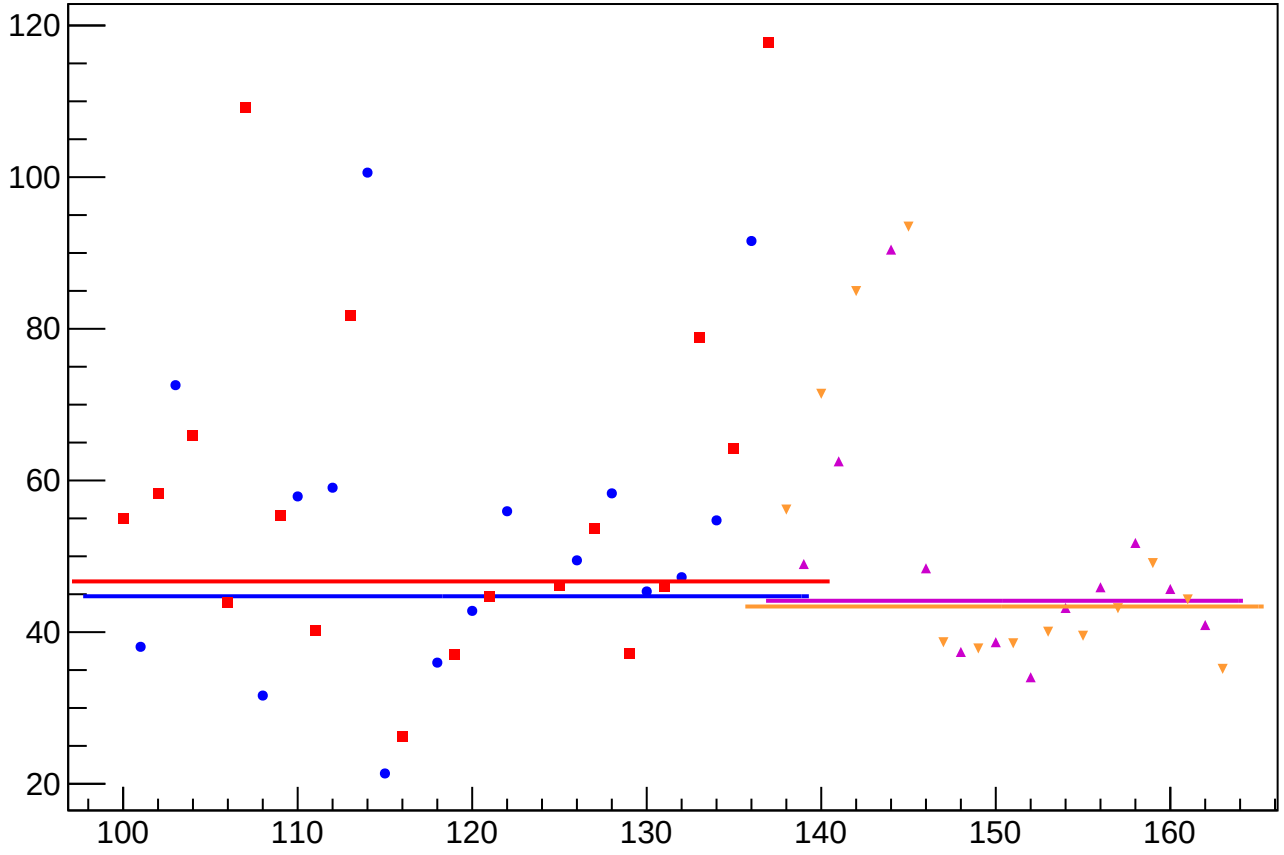
Left In: 0.005+/-0.015 χ^2/NDF:17.4/11

+ sign -0.023+/-0.012 χ^2/NDF: 33.5/28

All: -0.009+/-0.008 χ^2/NDF: 90.4/58

- sign 0.005+/-0.012 χ^2/NDF: 53.9/29

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: 43.382+/-0.010 χ^2/NDF:1160643.0/12

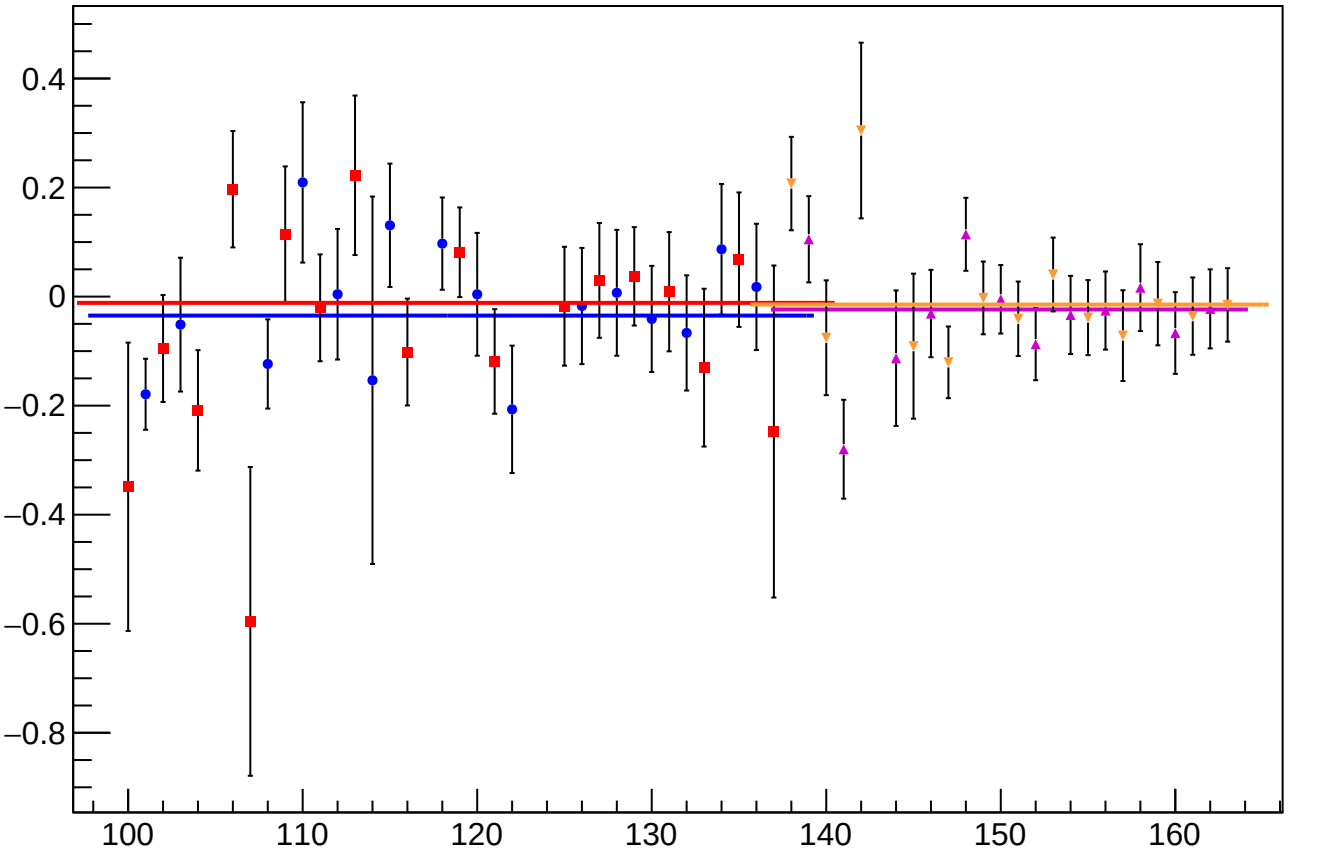
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.137+/-0.010 χ^2/NDF:880196.7/11

+ sign 43.892+/-0.008 χ^2/NDF: 2501692.4/28

All: 44.472+/-0.006 χ^2/NDF: 4609639.1/58

- sign 45.075+/-0.008 χ^2/NDF: 2097622.5/29



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.015+/-0.022 χ^2/NDF:15.4/12

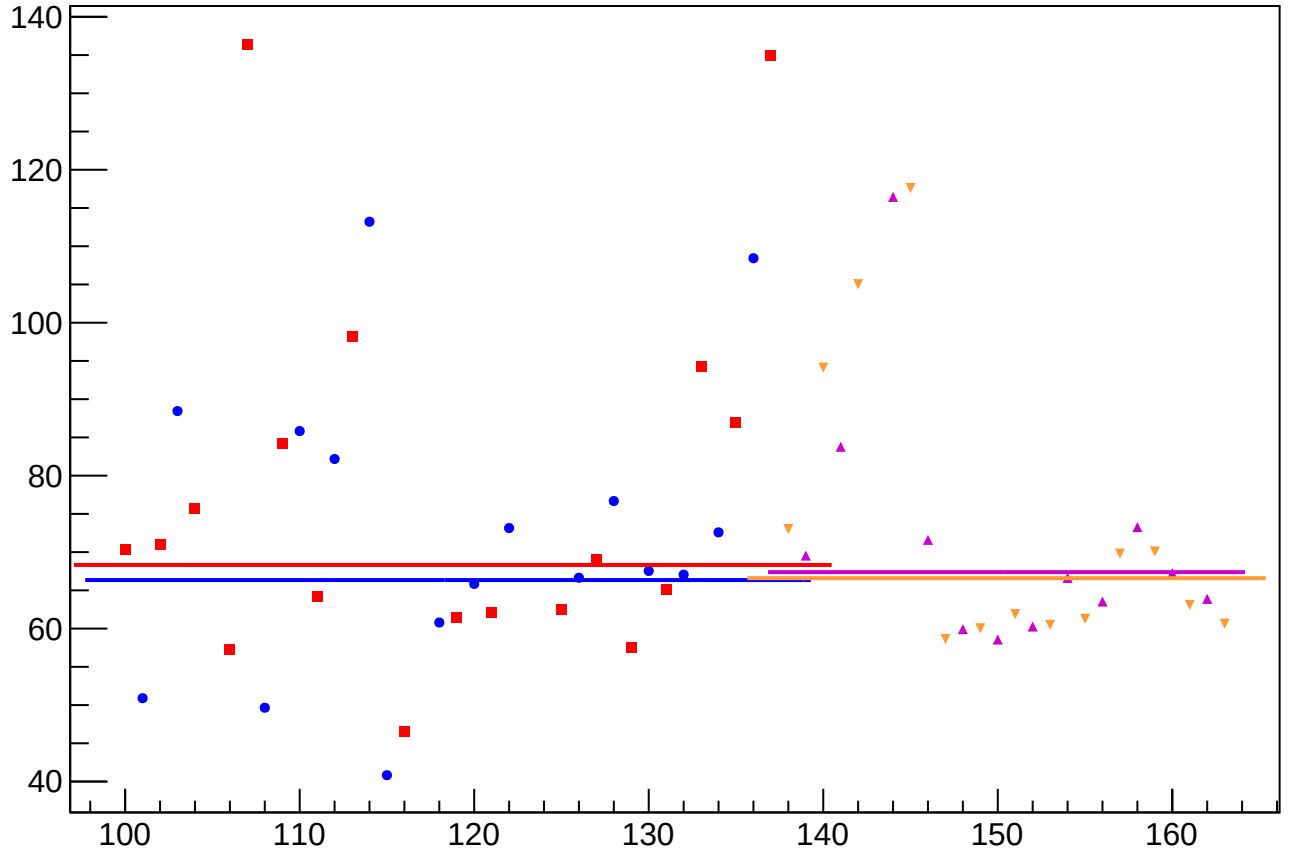
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.024+/-0.022 χ^2/NDF:17.0/11

+ sign -0.023+/-0.017 χ^2/NDF: 33.2/28

All: -0.021+/-0.012 χ^2/NDF: 73.2/58

- sign -0.019+/-0.017 χ^2/NDF: 39.9/29



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 66.594+/-0.015 χ^2/NDF:670036.3/12

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

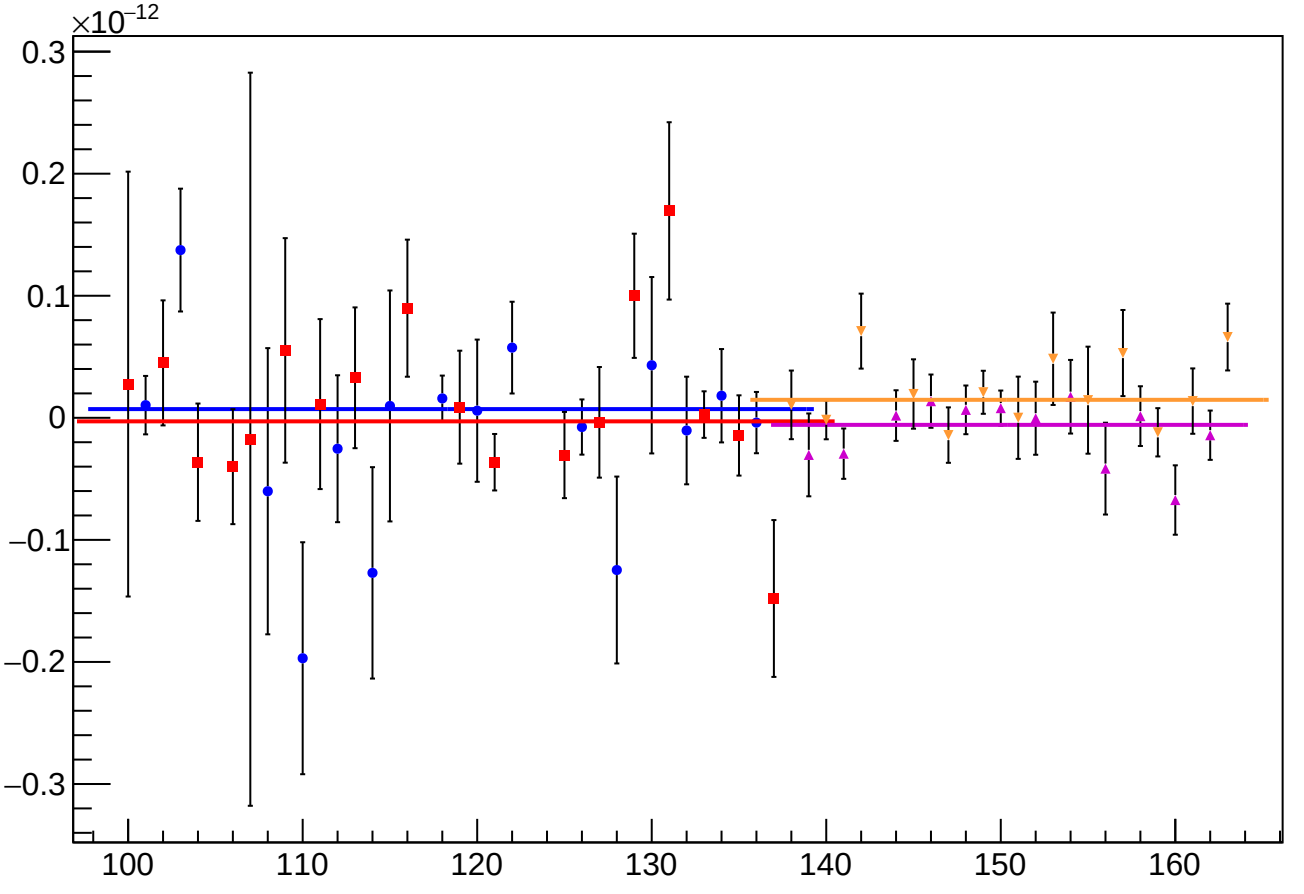
Left In: 67.384+/-0.015 χ^2/NDF:492912.1/11

+ sign 66.495+/-0.012 χ^2/NDF: 1442801.8/28

All: 67.115+/-0.008 χ^2/NDF: 2572478.5/58

- sign 67.753+/-0.012 χ^2/NDF: 1124049.1/29

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:13.7/12

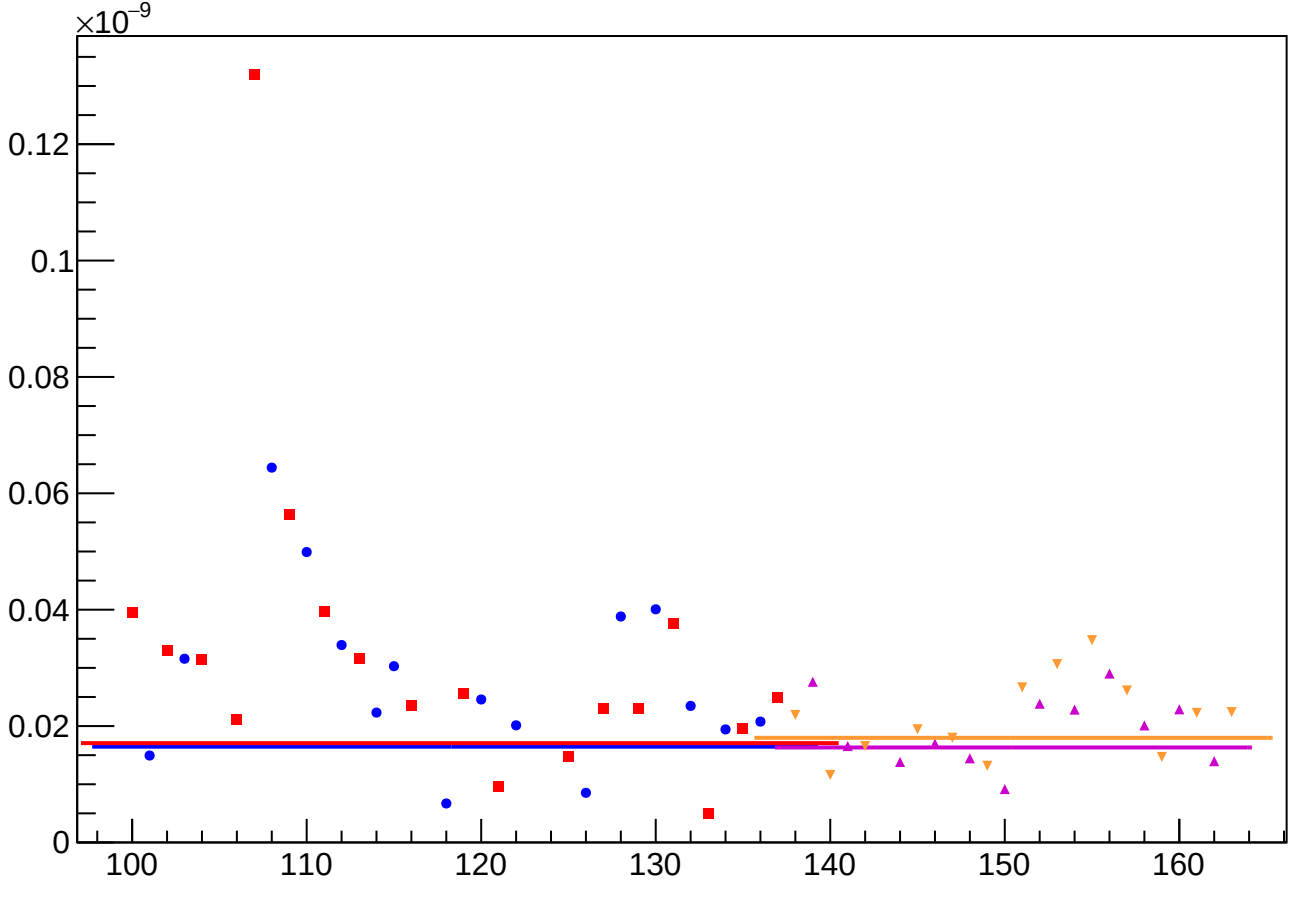
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:10.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/28

All: 0.000+/-0.000 χ^2/NDF: 73.3/58

- sign -0.000+/-0.000 χ^2/NDF: 34.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432643.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

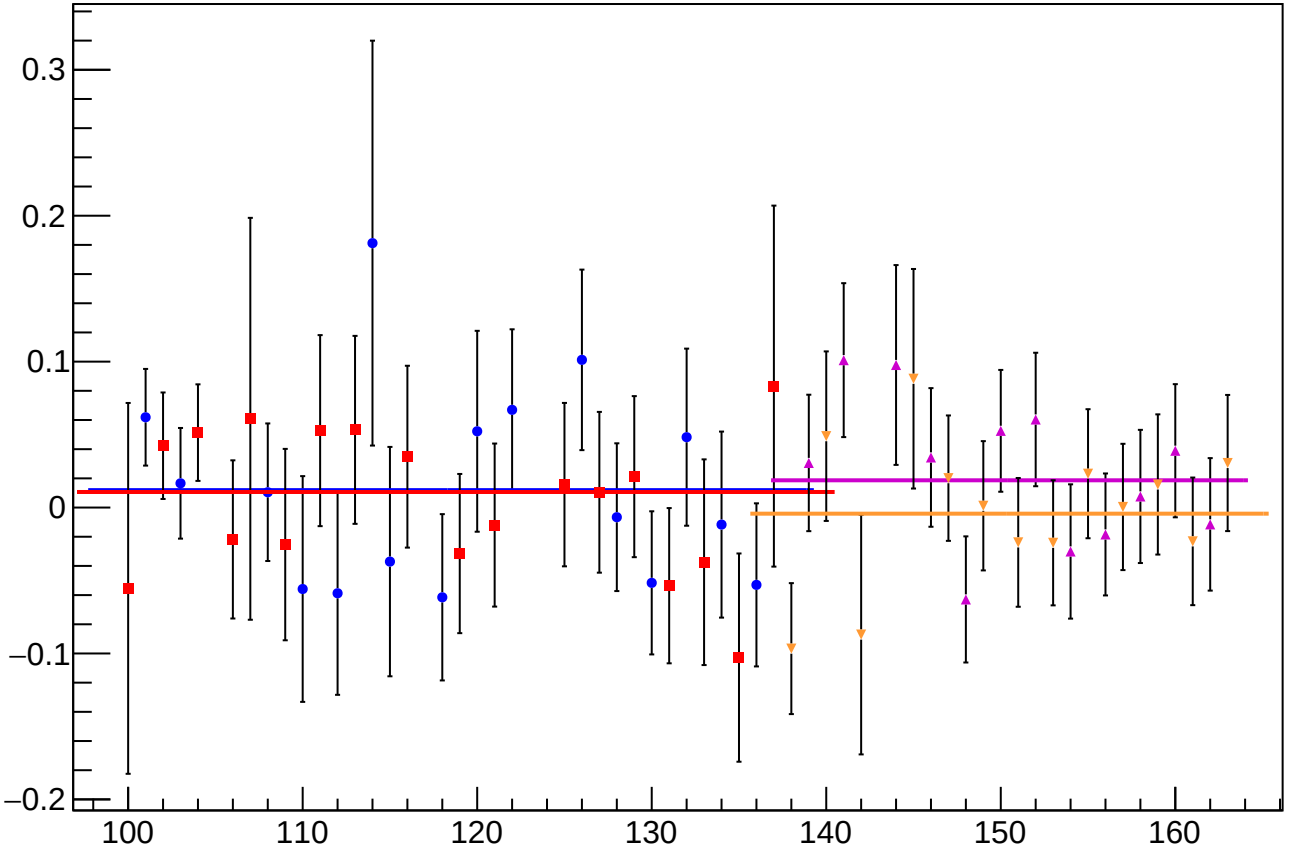
Left In: 0.000+/-0.000 χ^2/NDF:1392737.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3813301.0/28

All: 0.000+/-0.000 χ^2/NDF: 8030921.0/58

- sign 0.000+/-0.000 χ^2/NDF: 4192061.4/29

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.004+/-0.013 χ^2/NDF:9.7/12

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

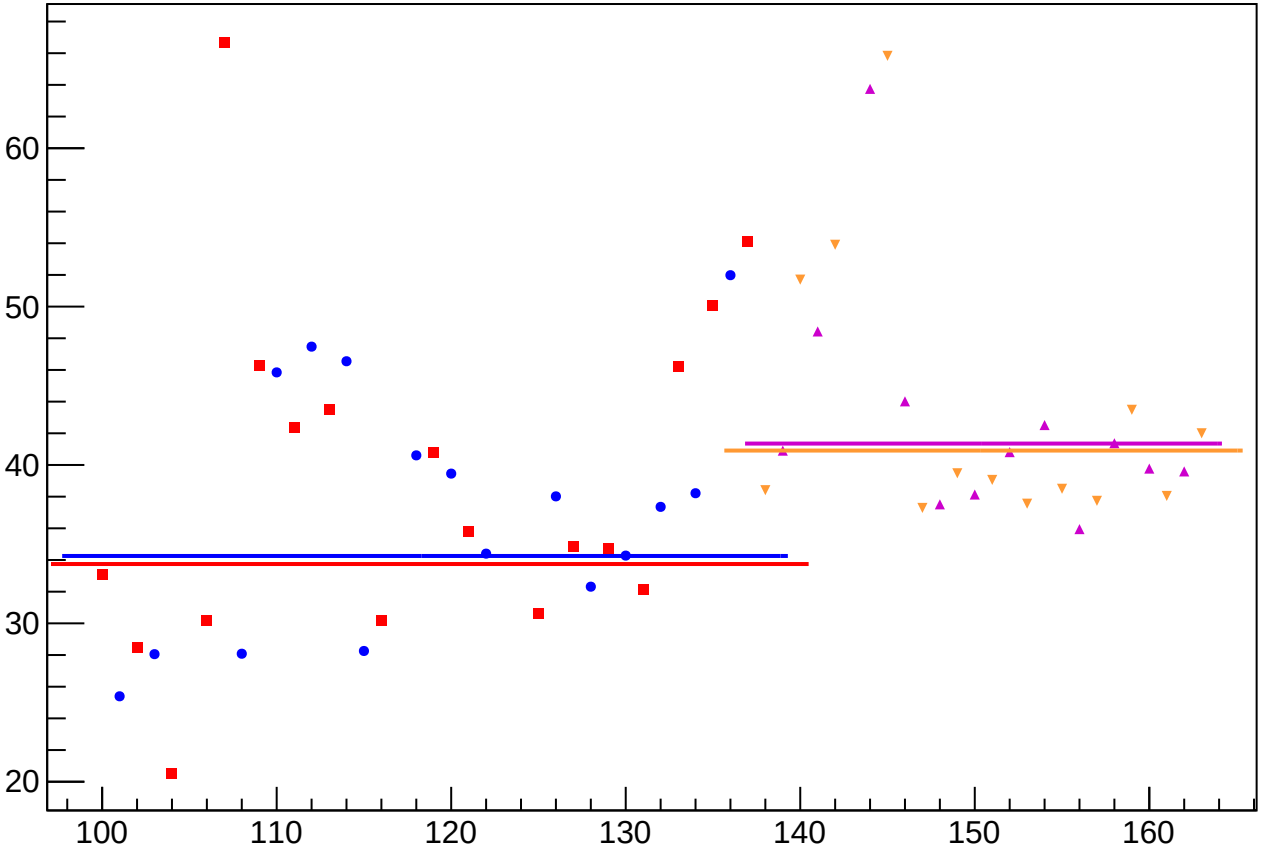
Left In: 0.019+/-0.013 χ^2/NDF:11.6/11

+ sign 0.004+/-0.009 χ^2/NDF: 25.1/28

All: 0.009+/-0.007 χ^2/NDF: 47.5/58

- sign 0.015+/-0.009 χ^2/NDF: 21.7/29

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.910+/-0.009 χ^2/NDF:409052.3/12

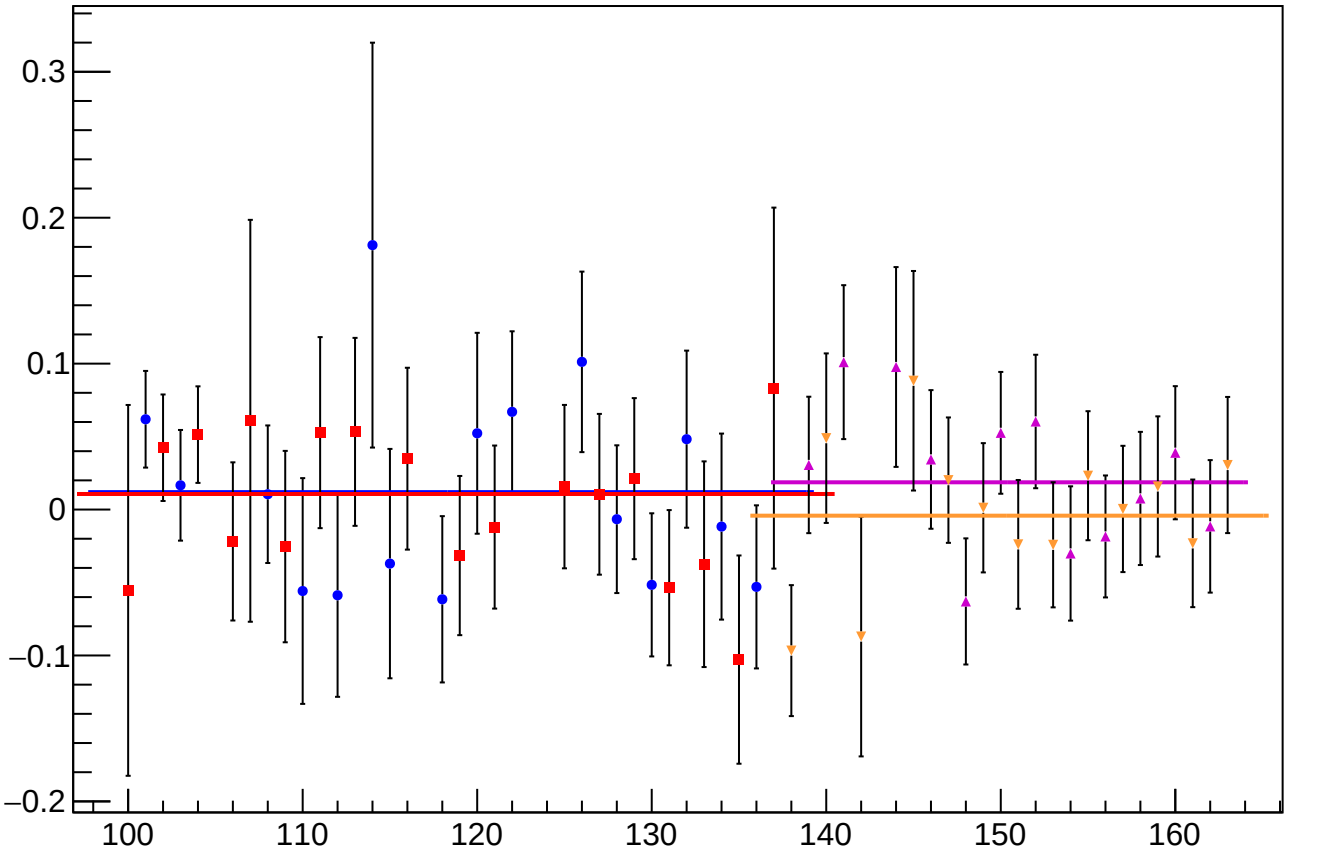
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.352+/-0.009 χ^2/NDF:324534.4/11

+ sign 37.670+/-0.007 χ^2/NDF: 1290422.9/28

All: 37.612+/-0.005 χ^2/NDF: 2847664.8/58

- sign 37.555+/-0.007 χ^2/NDF: 1557094.6/29



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.004+/-0.013 χ^2/NDF:9.7/12

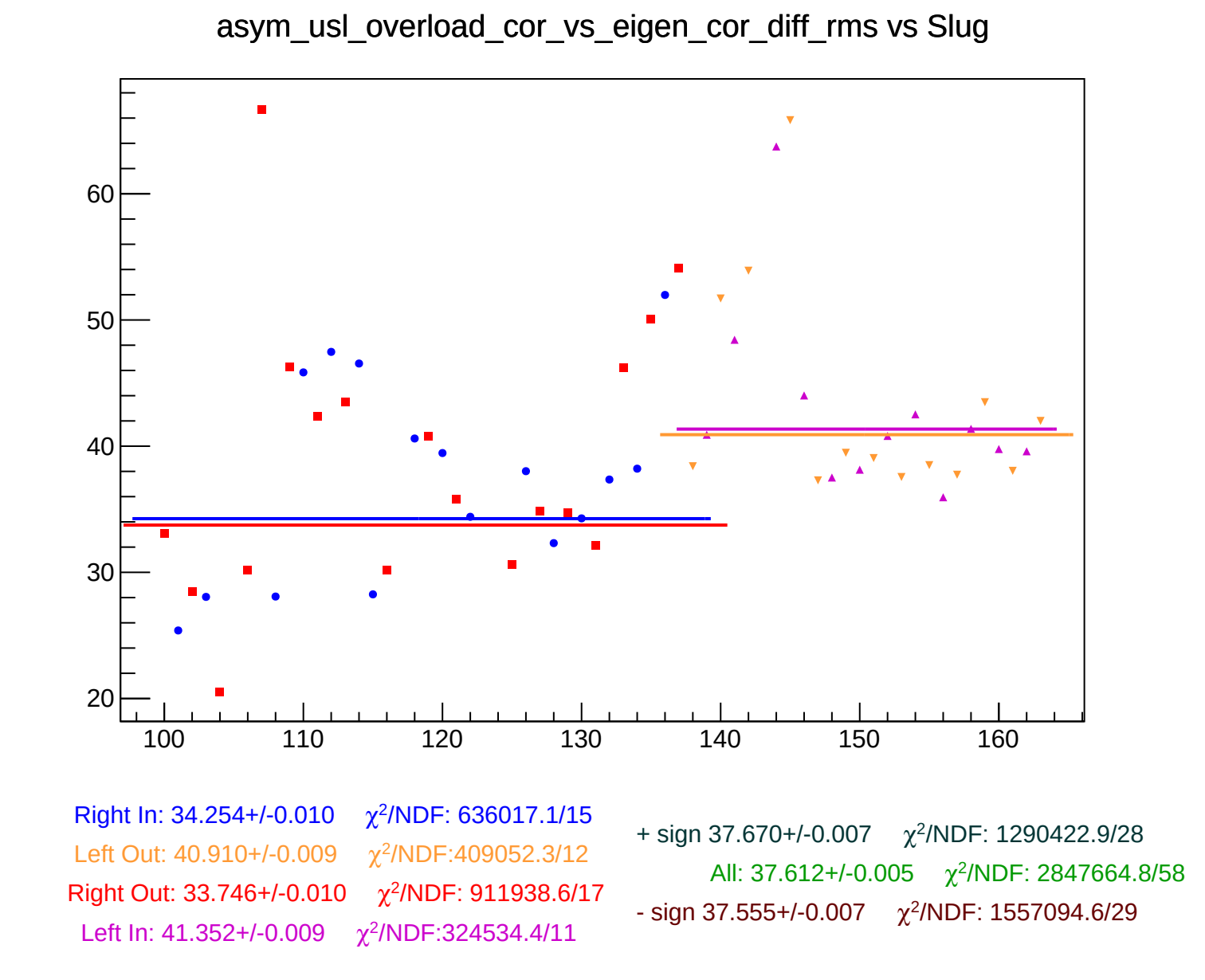
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.019+/-0.013 χ^2/NDF:11.6/11

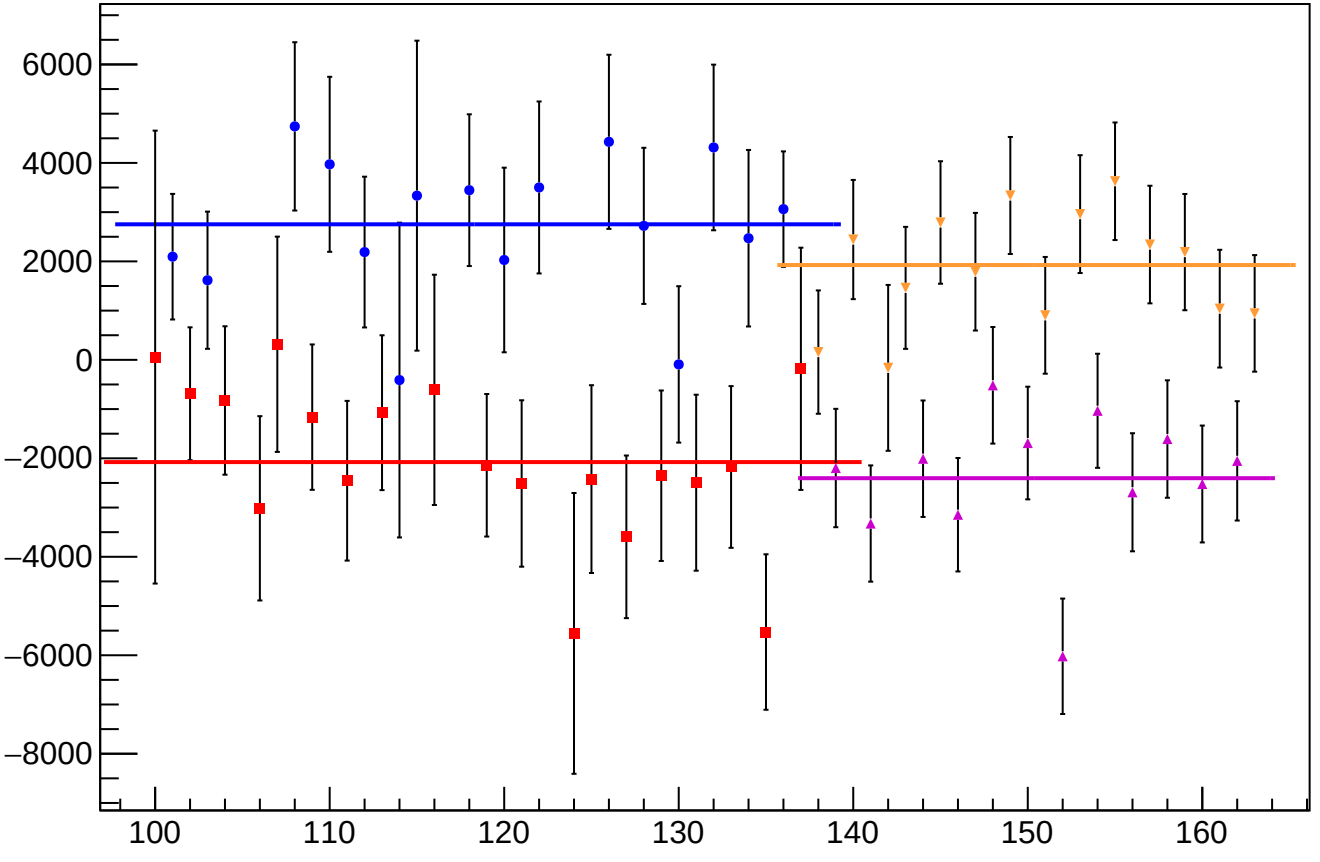
+ sign 0.004+/-0.009 χ^2/NDF: 25.1/28

All: 0.009+/-0.007 χ^2/NDF: 47.5/58

- sign 0.015+/-0.009 χ^2/NDF: 21.7/29


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.910+/-0.009 χ²/NDF:409052.3/12
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 41.352+/-0.009 χ²/NDF:324534.4/11
+ sign 37.670+/-0.007 χ²/NDF: 1290422.9/28
All: 37.612+/-0.005 χ²/NDF: 2847664.8/58
- sign 37.555+/-0.007 χ²/NDF: 1557094.6/29

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

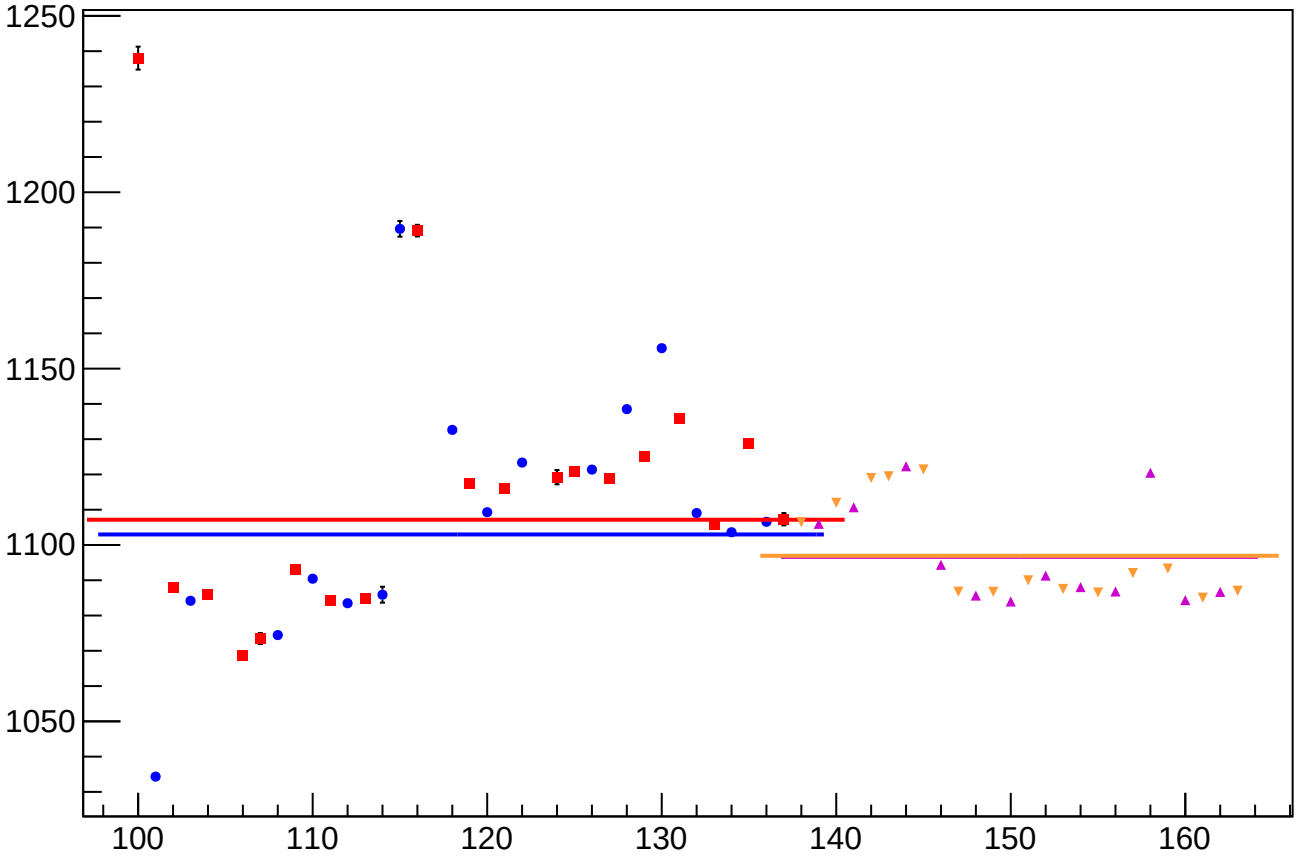
Left In: -2403.506+/-340.670 χ^2/NDF:15.6/11

+ sign 2248.307+/-255.876 χ^2/NDF: 22.7/29

All: 29.798+/-182.504 χ^2/NDF: 204.2/60

- sign -2267.521+/-260.382 χ^2/NDF: 28.5/30

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

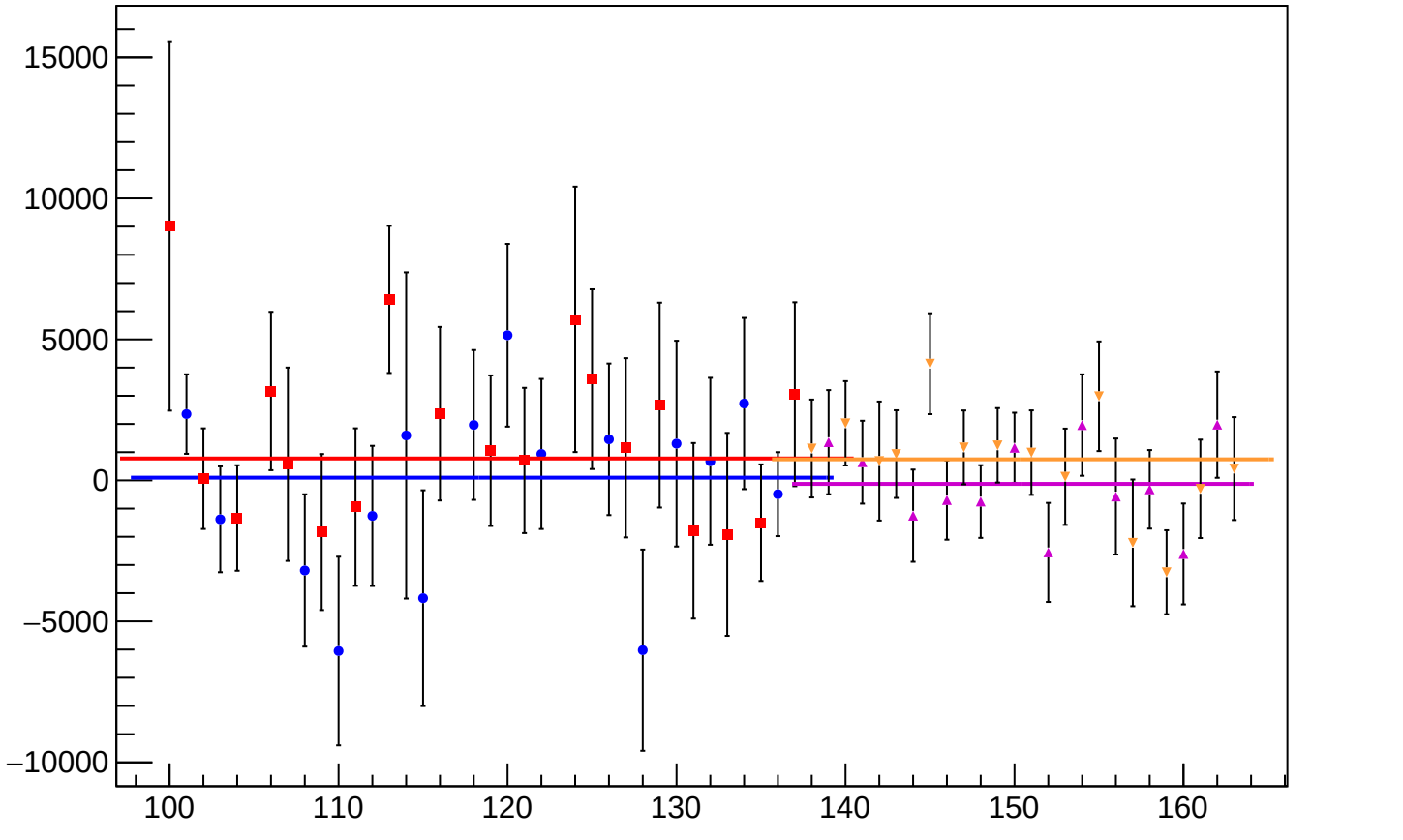
Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60

- sign 1101.010+/-0.184 χ^2/NDF: 12681.0/30



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

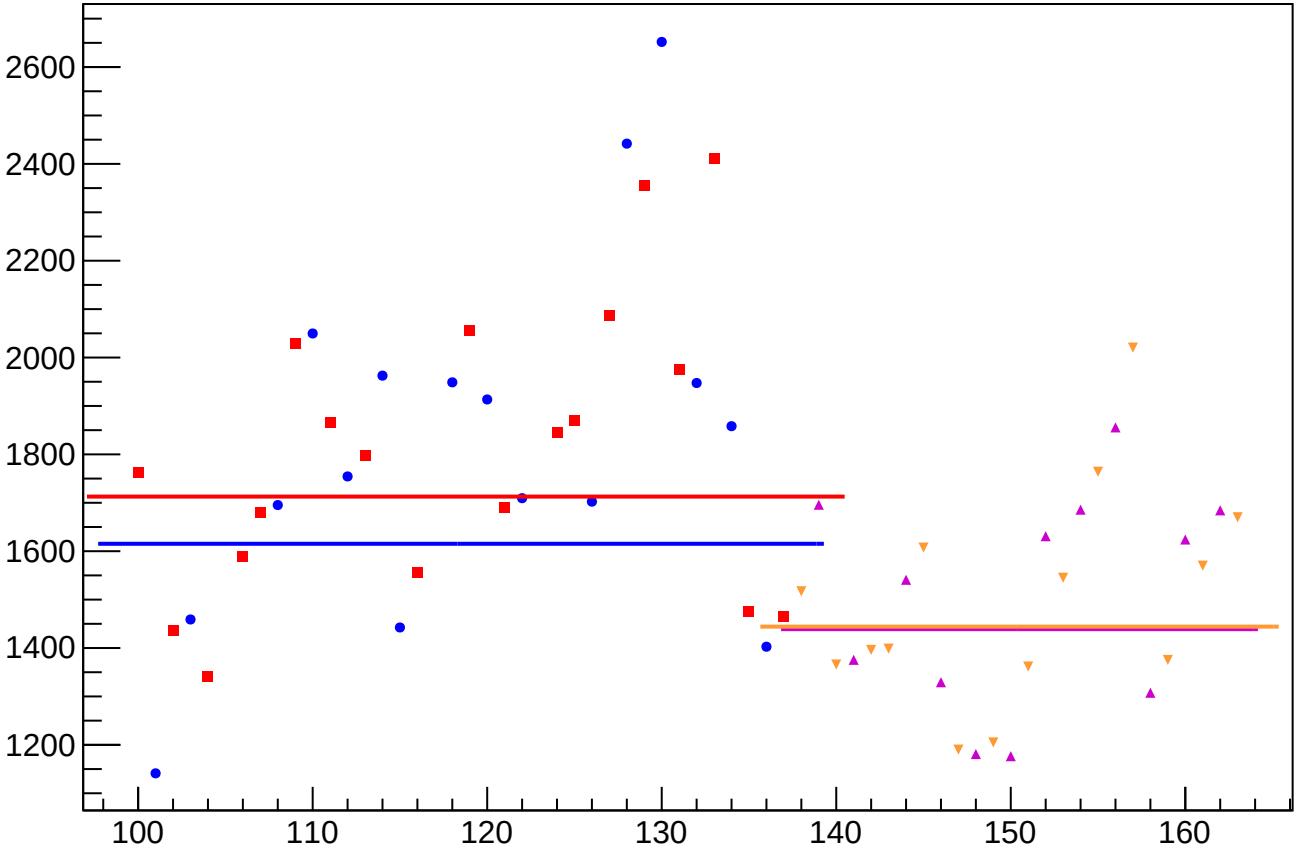
Left In: -125.440+/-453.459 χ^2/NDF:9.4/11

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 359.667+/-256.797 χ^2/NDF: 59.4/60

- sign 178.090+/-369.411 χ^2/NDF: 25.8/30

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

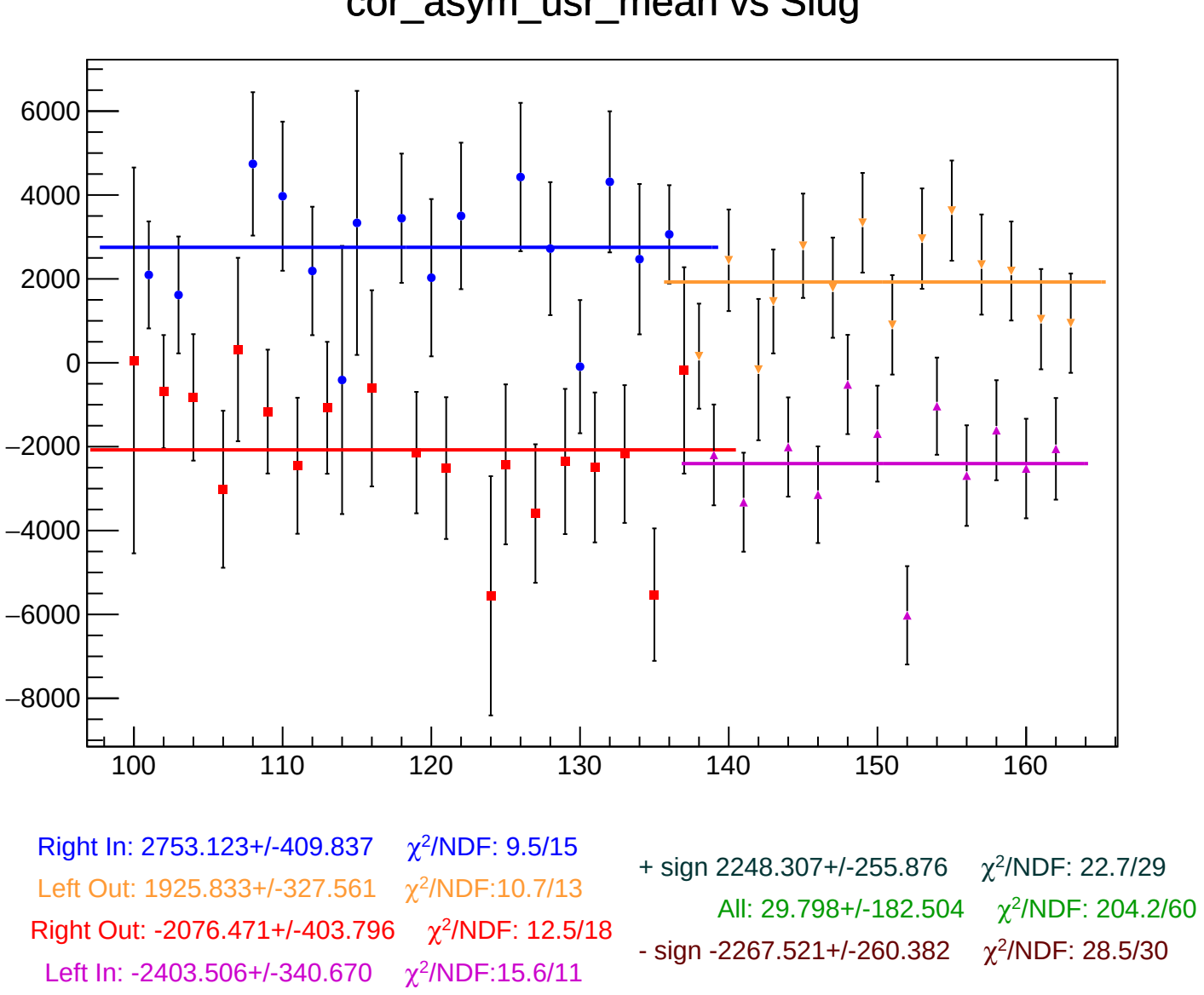
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

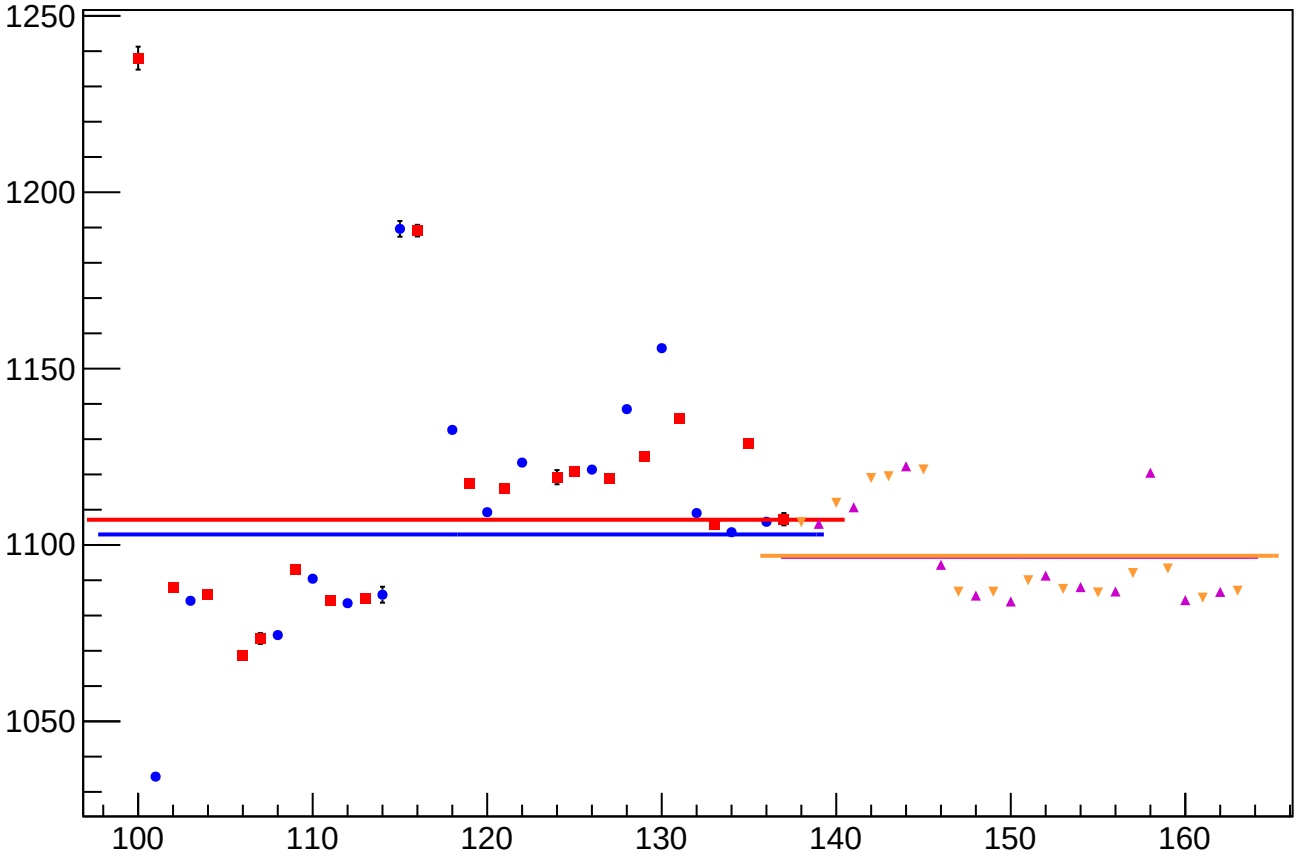
+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60

- sign 1531.089+/-0.261 χ^2/NDF: 1121555.9/30


cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 1925.833+/-327.561 χ²/NDF:10.7/13
Right Out: -2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: -2403.506+/-340.670 χ²/NDF:15.6/11
+ sign 2248.307+/-255.876 χ²/NDF: 22.7/29
All: 29.798+/-182.504 χ²/NDF: 204.2/60
- sign -2267.521+/-260.382 χ²/NDF: 28.5/30

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

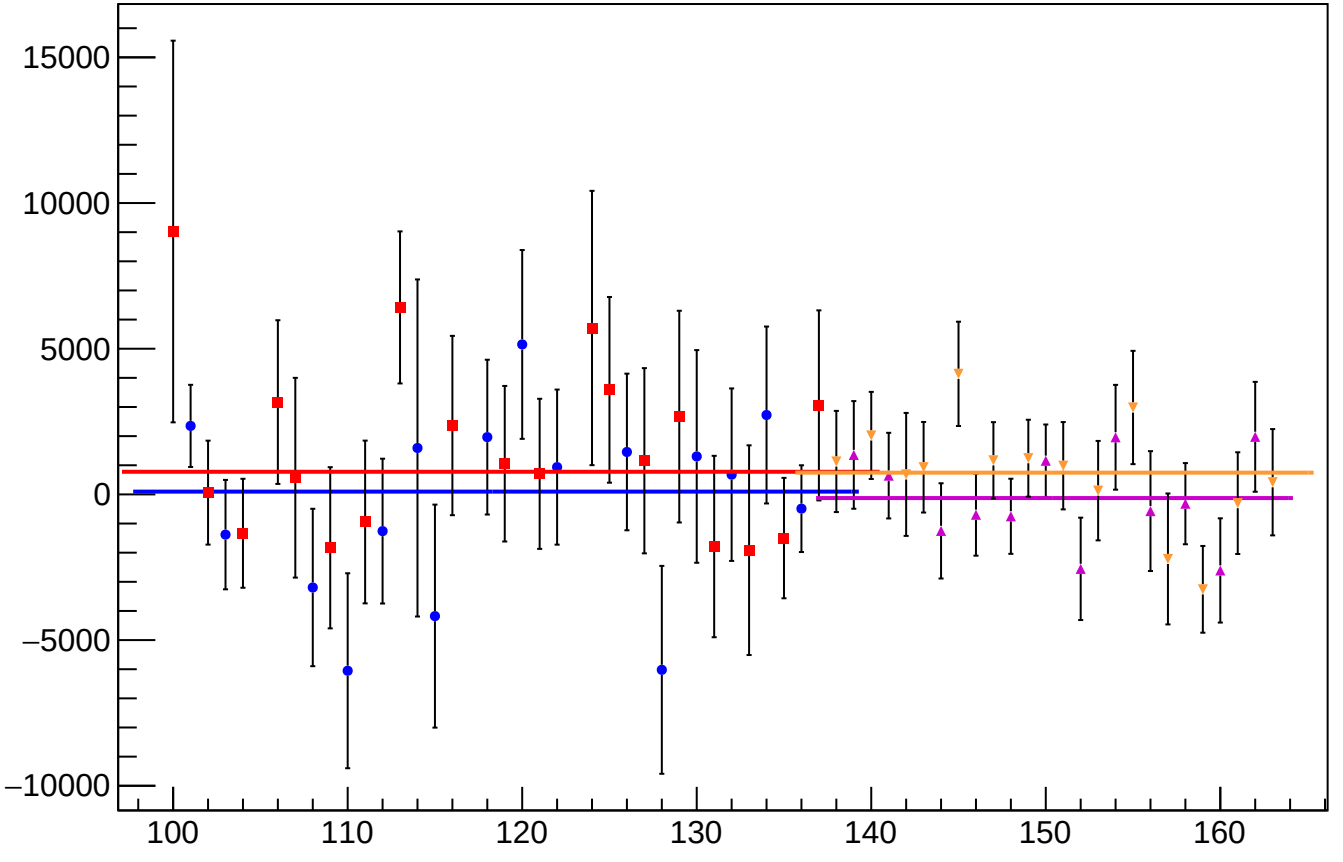
Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60

- sign 1101.010+/-0.184 χ^2/NDF: 12681.0/30

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

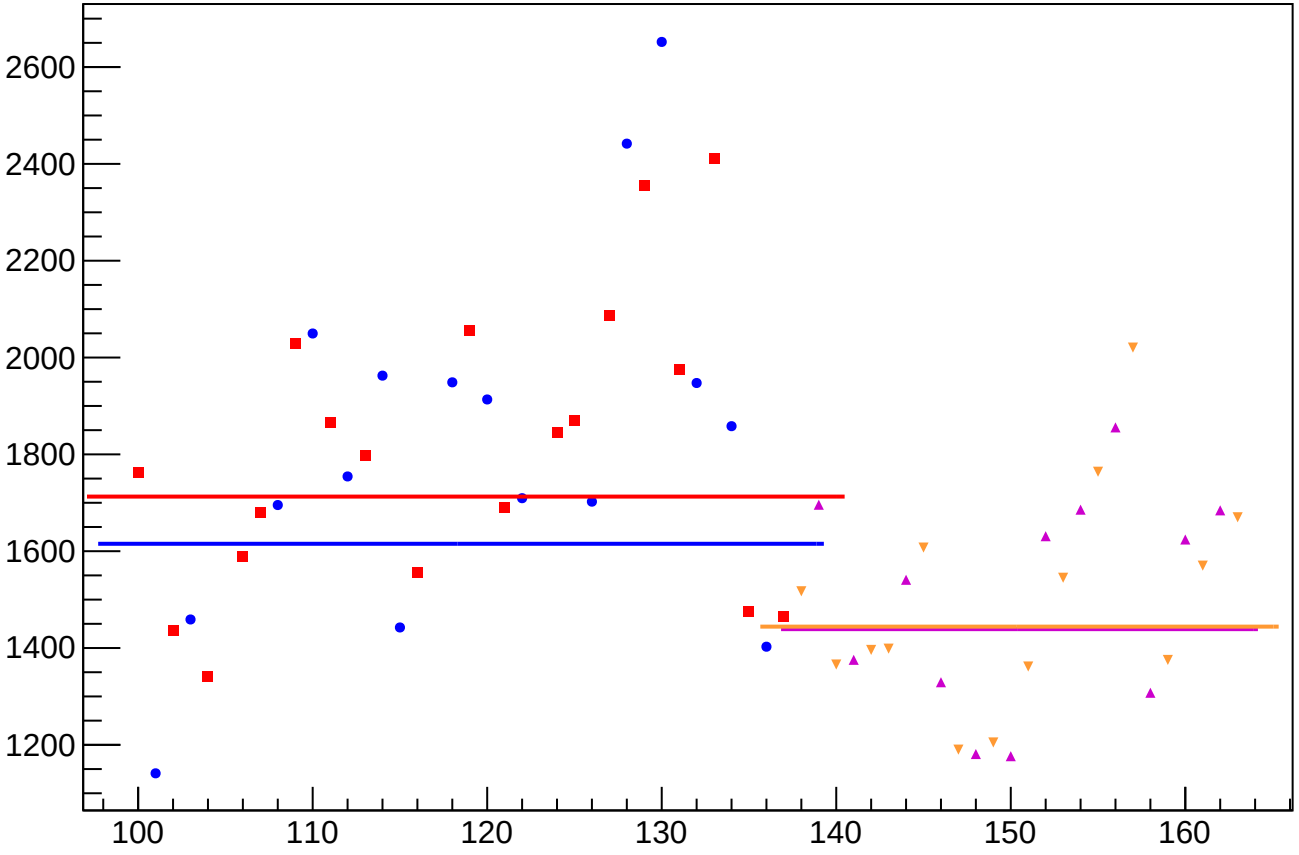
Left In: -125.440+/-453.459 χ^2/NDF:9.4/11

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 359.667+/-256.797 χ^2/NDF: 59.4/60

- sign 178.090+/-369.411 χ^2/NDF: 25.8/30

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

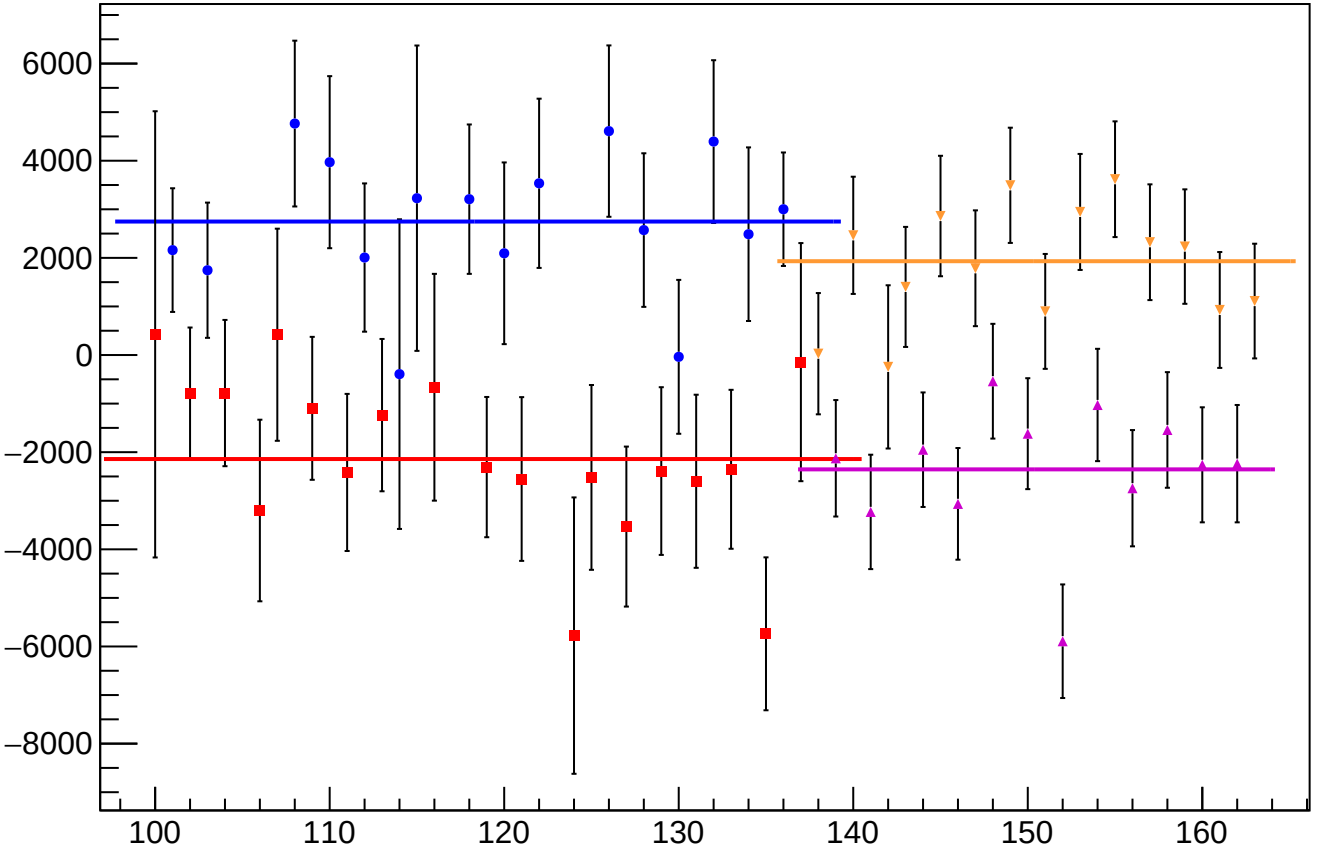
Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60

- sign 1531.089+/-0.261 χ^2/NDF: 1121555.9/30

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1931.453+/-326.712 χ^2/NDF:11.6/13

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

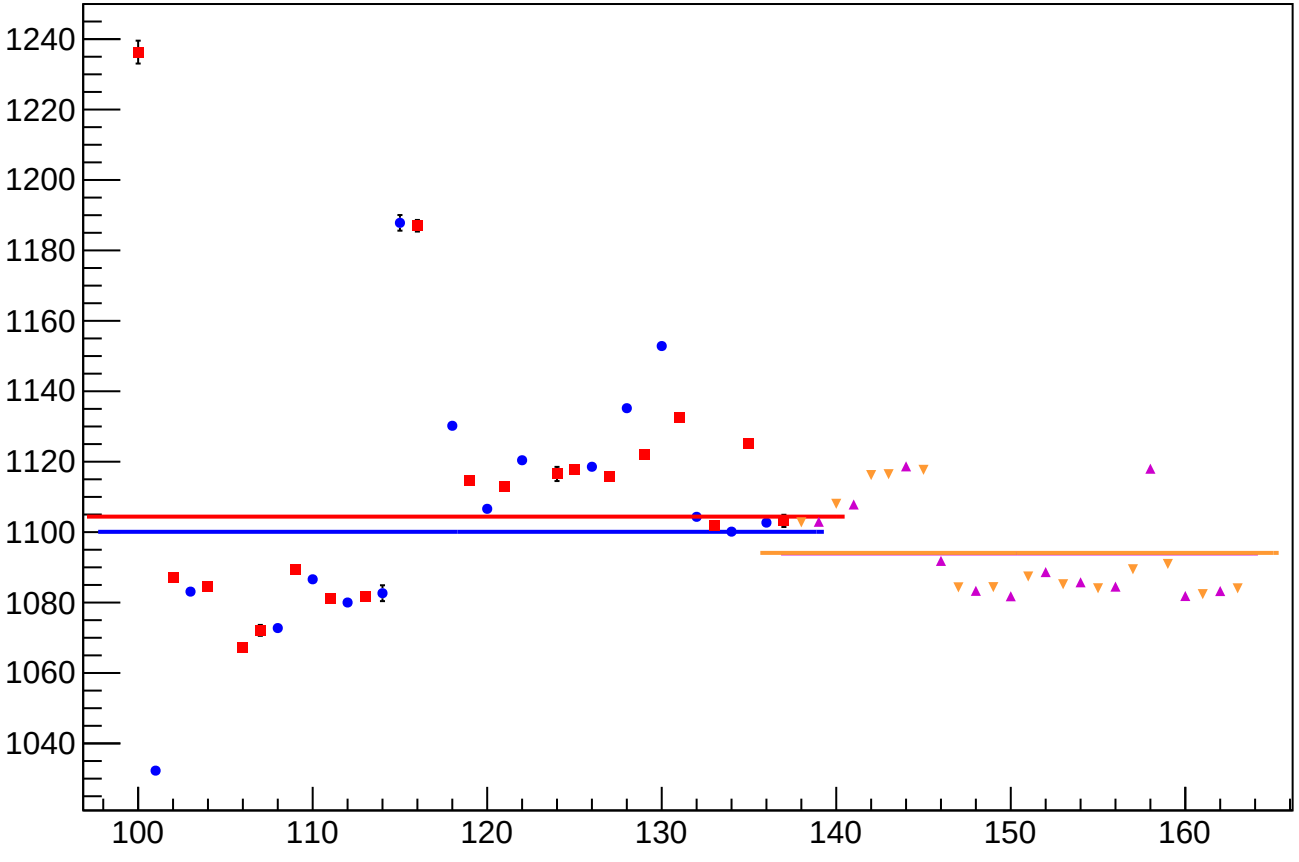
Left In: -2354.029+/-339.837 χ^2/NDF:14.9/11

+ sign 2249.731+/-255.209 χ^2/NDF: 23.5/29

All: 31.825+/-182.041 χ^2/NDF: 205.9/60

- sign -2265.514+/-259.739 χ^2/NDF: 28.6/30

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1094.104+/-0.231 χ^2/NDF:3057.0/13

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

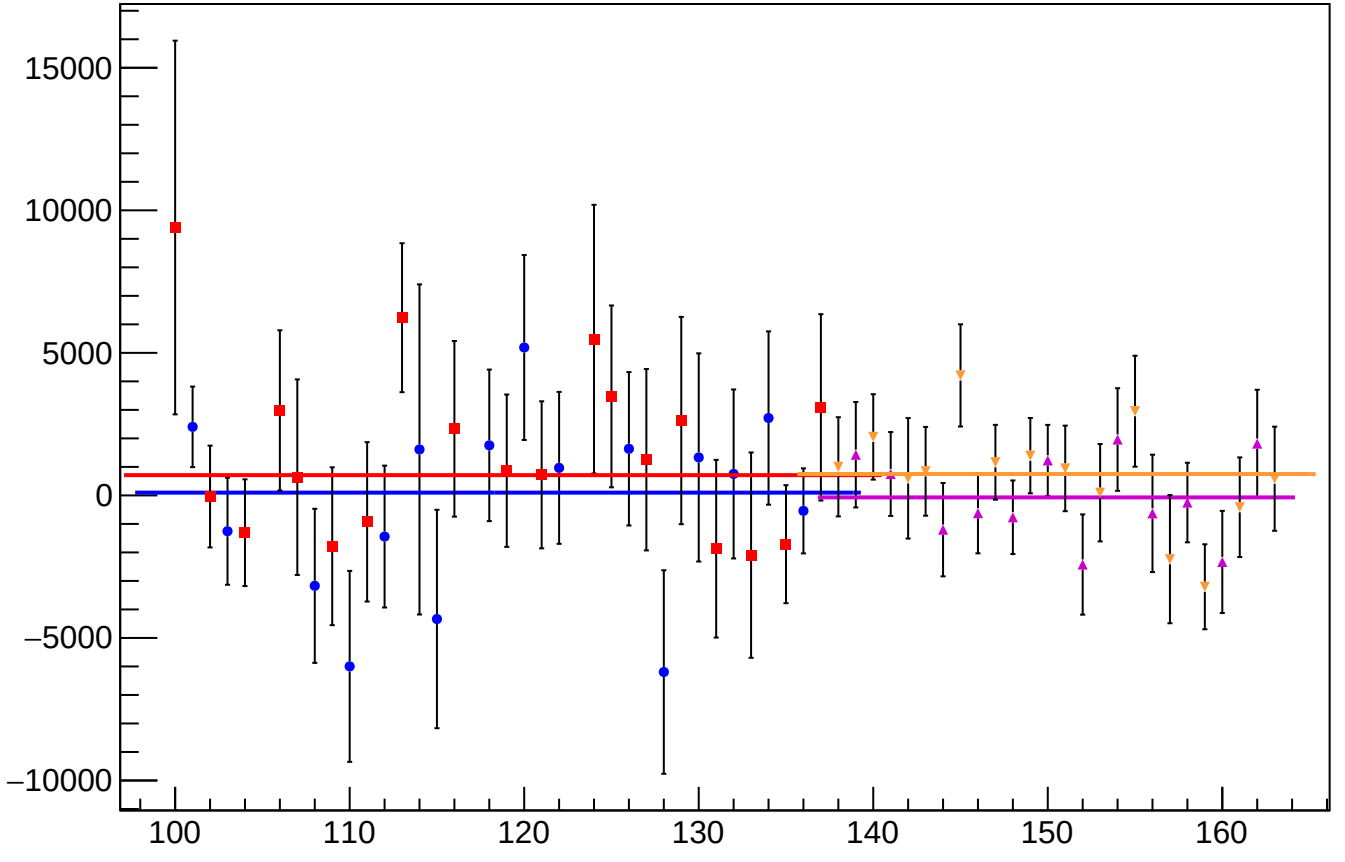
Left In: 1093.953+/-0.240 χ^2/NDF:3114.0/11

\+ sign 1096.437+/-0.180 χ^2/NDF: 16395.9/29

All: 1097.351+/-0.129 χ^2/NDF: 28892.1/60

\- sign 1098.298+/-0.184 χ^2/NDF: 12444.0/30

asym_usr_overload_cor_correction_mean vs Slug



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 749.701+/-438.424 χ^2/NDF:15.5/13

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

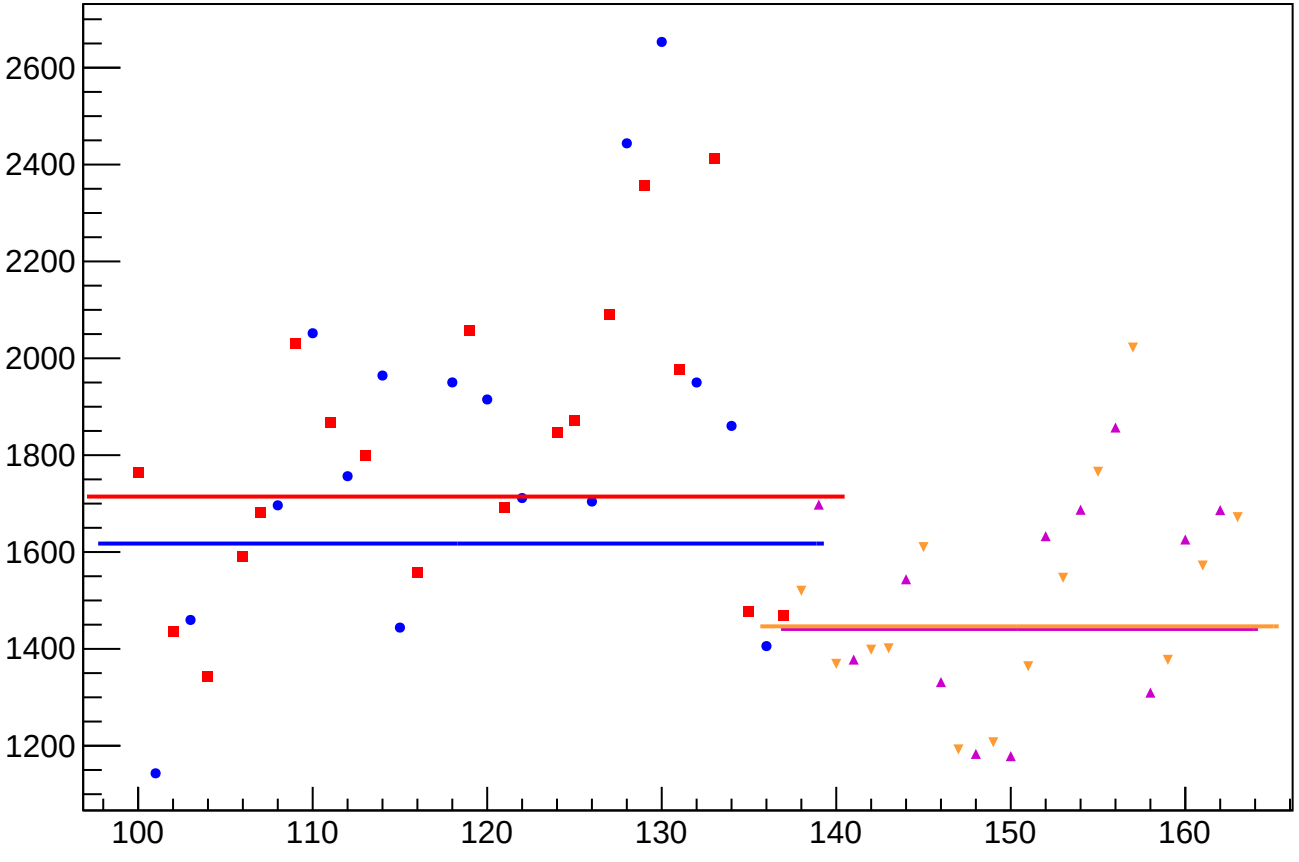
Left In: -70.305+/-454.122 χ^2/NDF:8.7/11

\+ sign 531.741+/-357.750 χ^2/NDF: 33.5/29

All: 367.899+/-257.152 χ^2/NDF: 58.6/60

\- sign 192.750+/-369.890 χ^2/NDF: 24.7/30

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1446.544+/-0.310 χ^2/NDF:411818.4/13

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

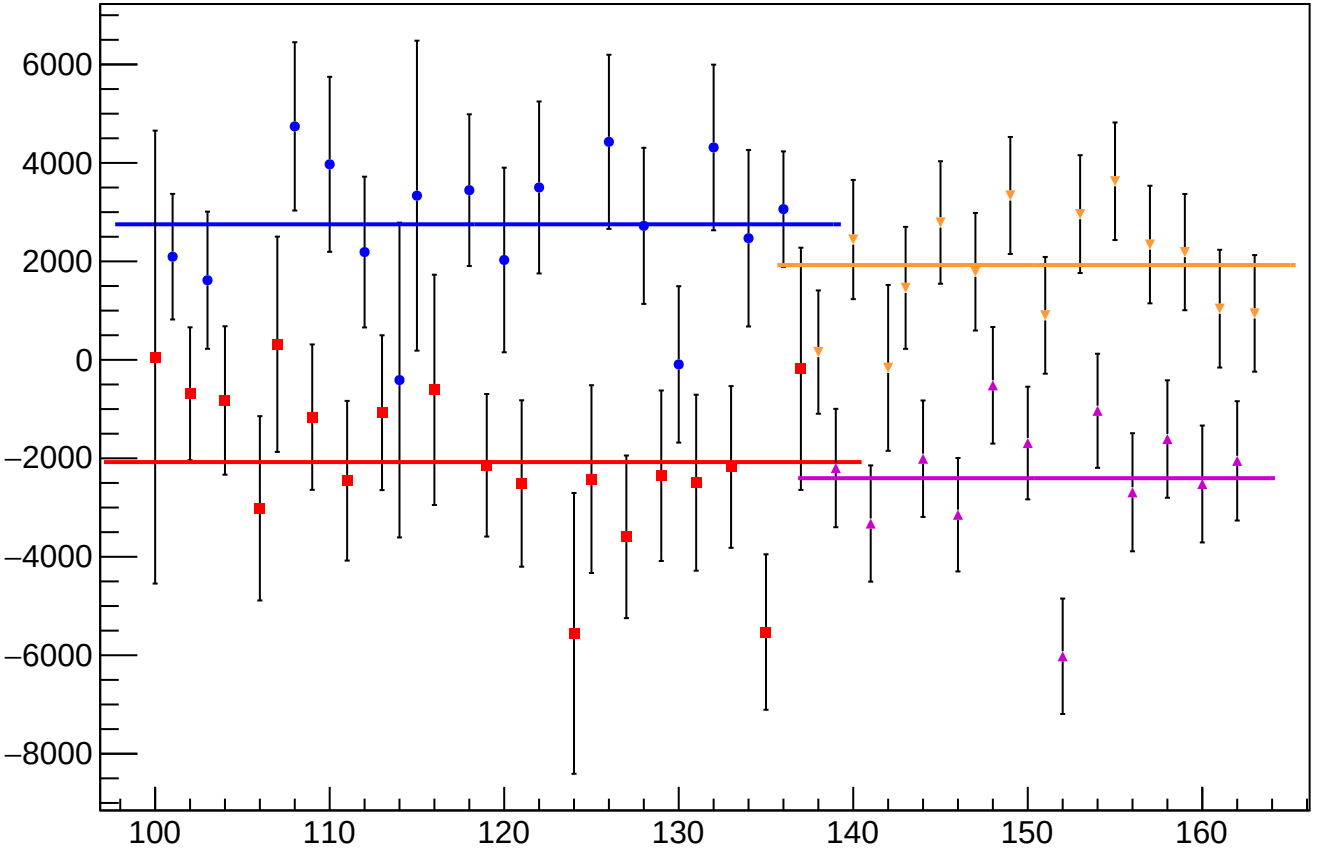
Left In: 1441.182+/-0.321 χ^2/NDF:446500.7/11

+ sign 1503.667+/-0.253 χ^2/NDF: 1205149.1/29

All: 1517.928+/-0.182 χ^2/NDF: 2329779.4/60

- sign 1533.173+/-0.262 χ^2/NDF: 1118055.1/30

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

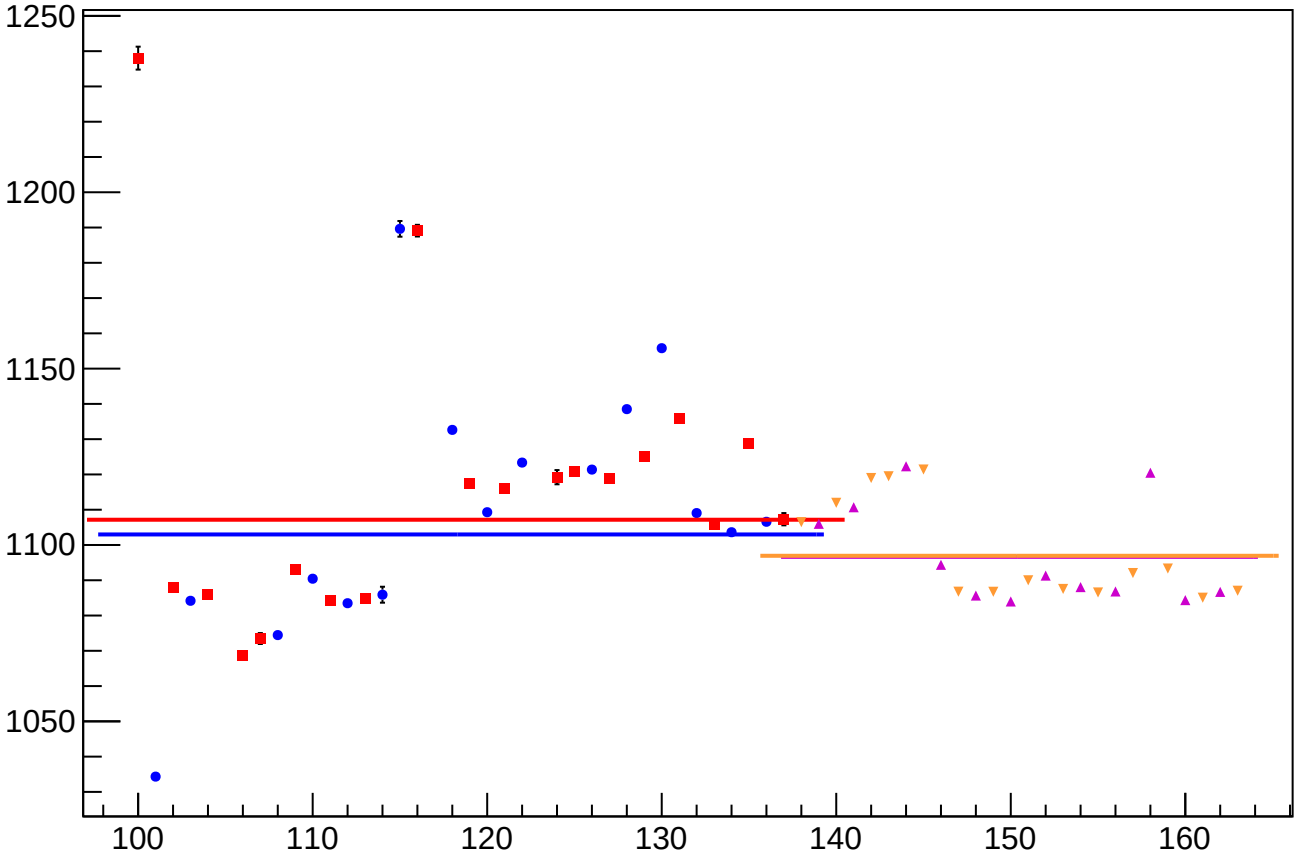
Left In: -2403.506+/-340.670 χ^2/NDF:15.6/11

+ sign 2248.307+/-255.876 χ^2/NDF: 22.7/29

All: 29.798+/-182.504 χ^2/NDF: 204.2/60

- sign -2267.521+/-260.382 χ^2/NDF: 28.5/30

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

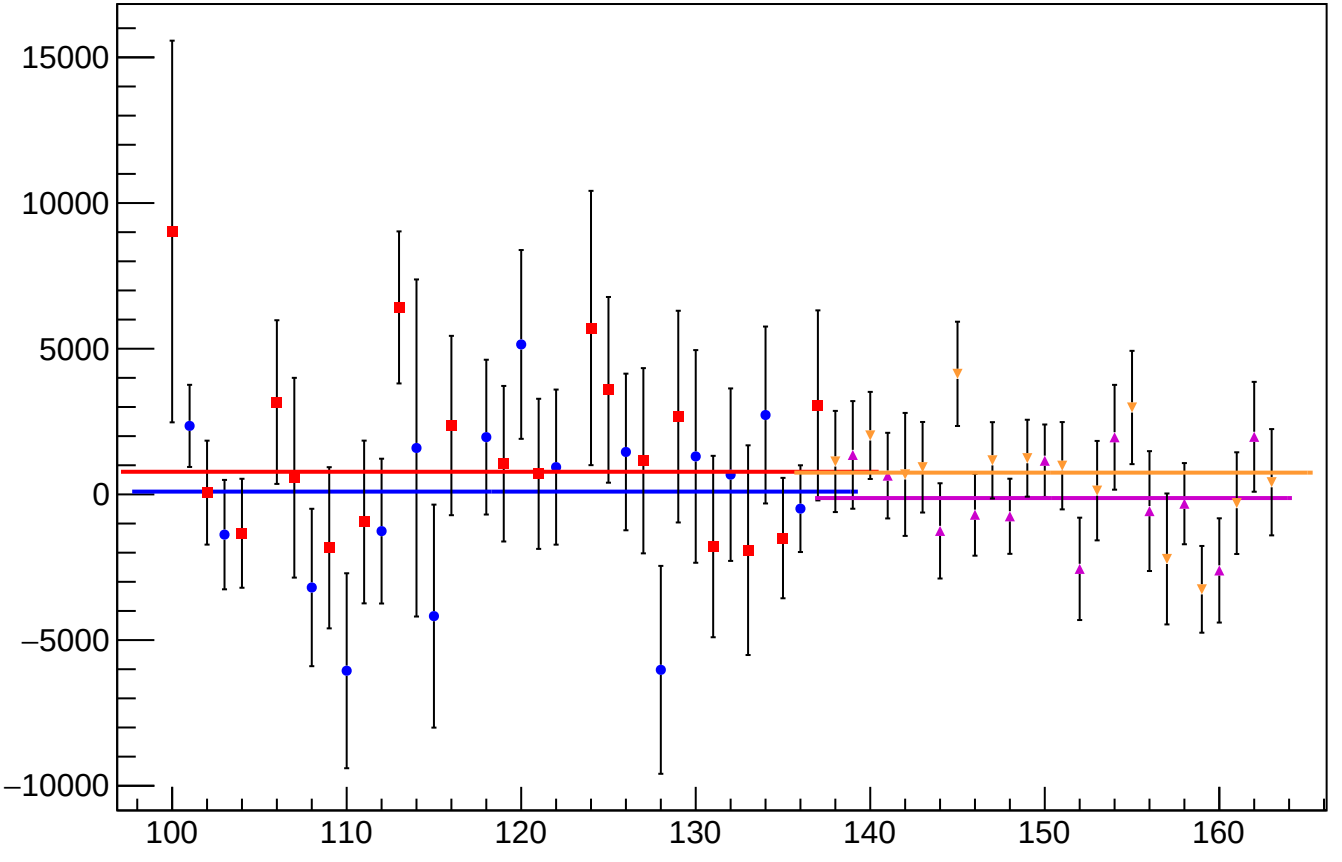
Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

+ sign 1099.297+/-0.181 χ^2/NDF: 16717.2/29

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60

- sign 1101.010+/-0.184 χ^2/NDF: 12681.0/30

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

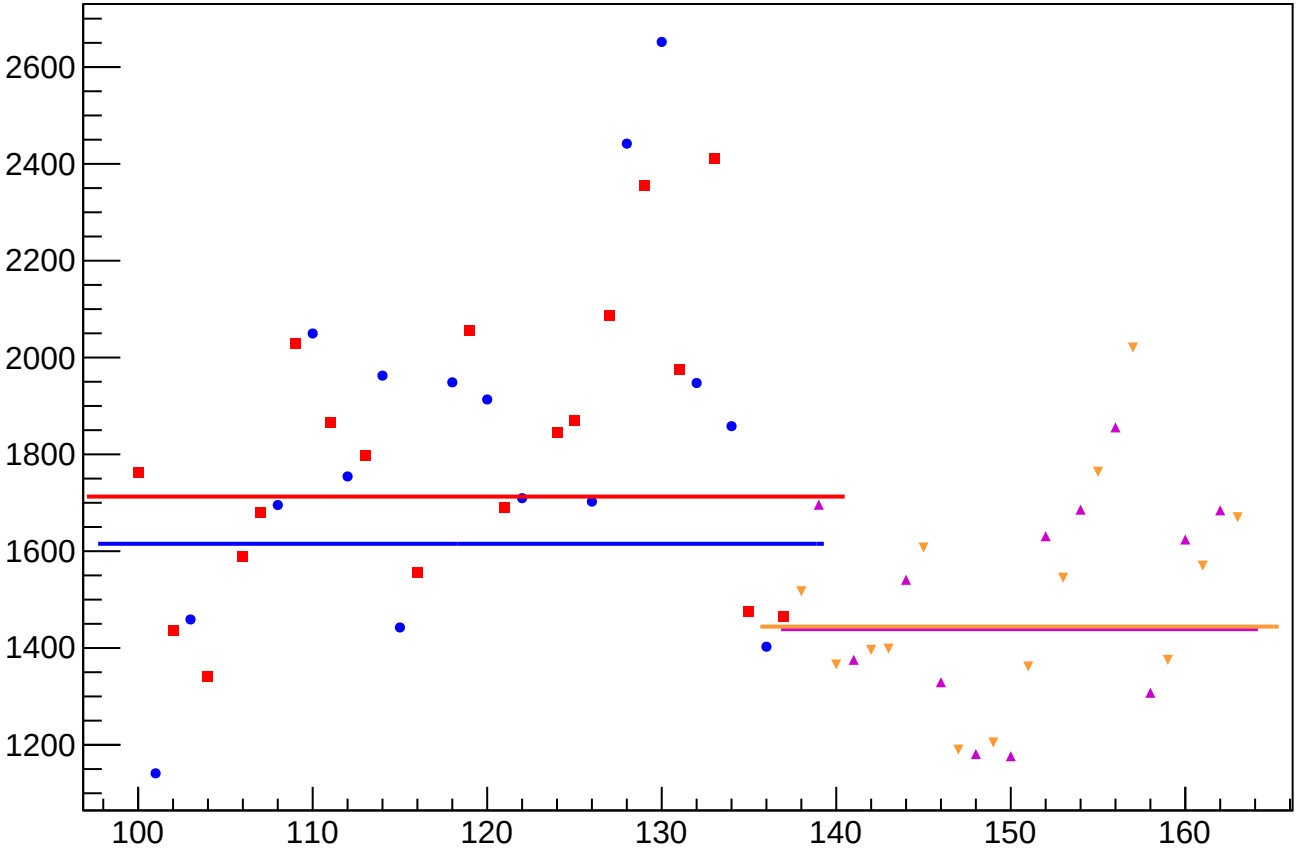
Left In: -125.440+/-453.459 χ^2/NDF:9.4/11

+ sign 529.466+/-357.228 χ^2/NDF: 33.1/29

All: 359.667+/-256.797 χ^2/NDF: 59.4/60

- sign 178.090+/-369.411 χ^2/NDF: 25.8/30

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

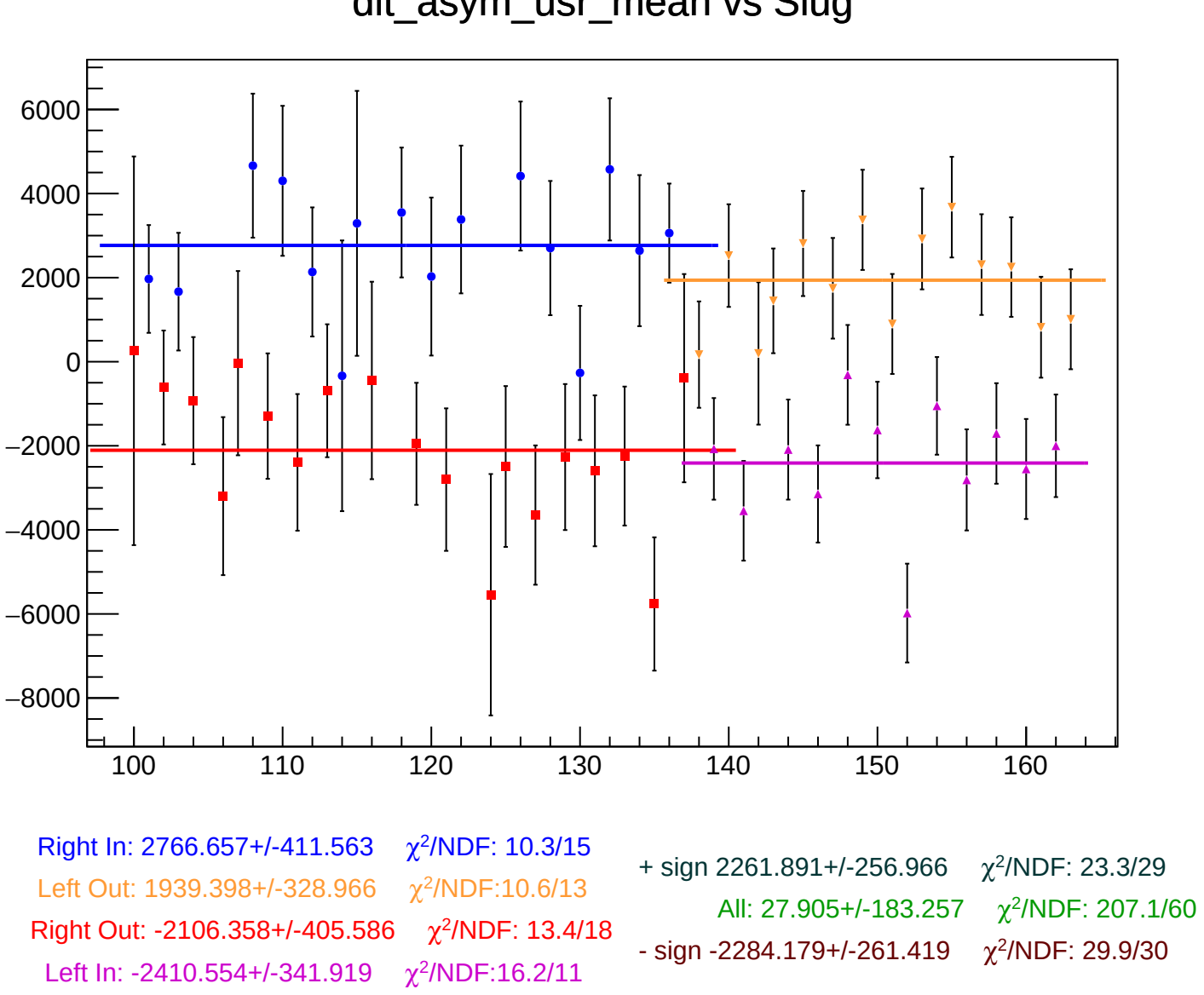
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

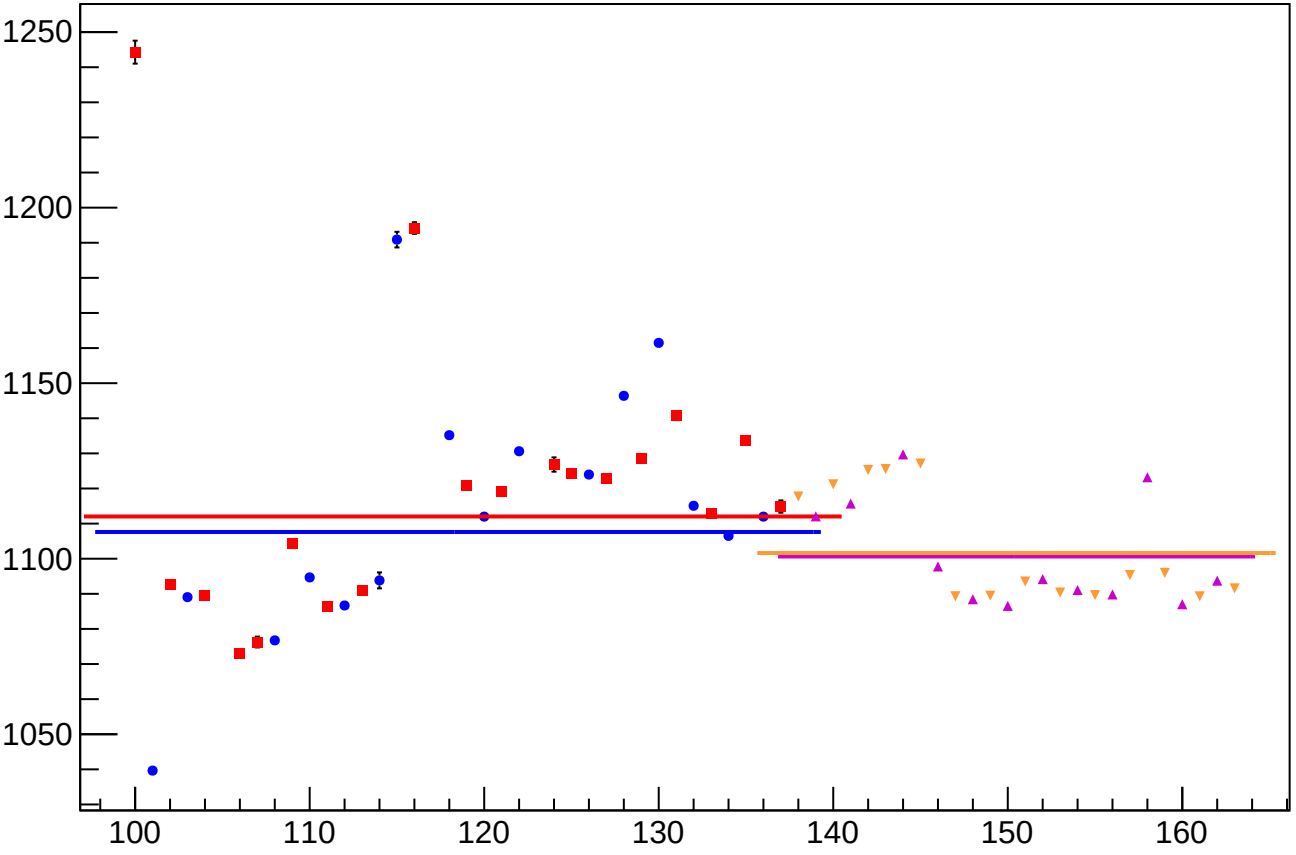
+ sign 1501.356+/-0.253 χ^2/NDF: 1209274.7/29

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60

- sign 1531.089+/-0.261 χ^2/NDF: 1121555.9/30


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1939.398+/-328.966 χ²/NDF:10.6/13
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2410.554+/-341.919 χ²/NDF:16.2/11
+ sign 2261.891+/-256.966 χ²/NDF: 23.3/29
All: 27.905+/-183.257 χ²/NDF: 207.1/60
- sign -2284.179+/-261.419 χ²/NDF: 29.9/30

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

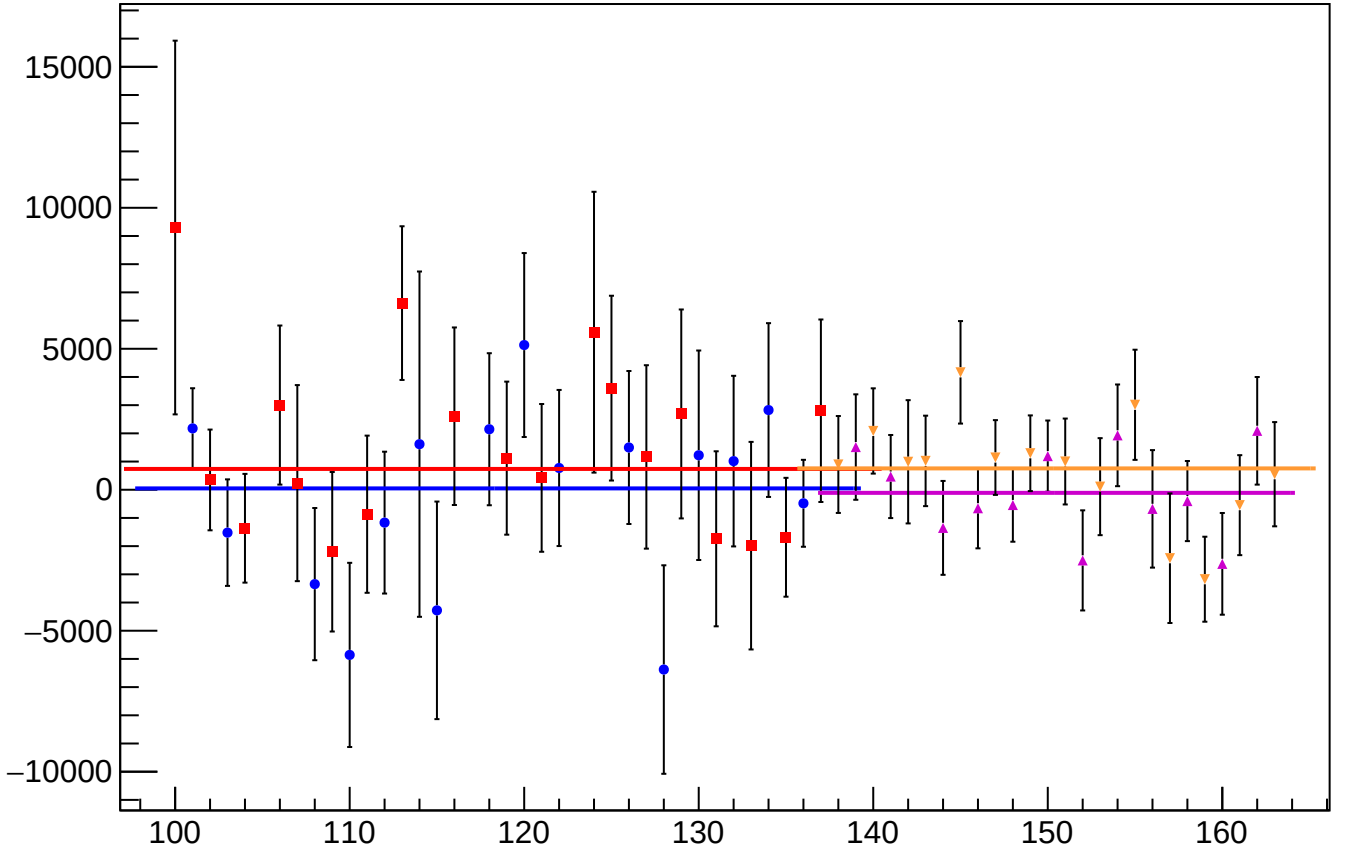
Left In: 1100.631+/-0.242 χ^2/NDF:3612.9/11

+ sign 1103.954+/-0.182 χ^2/NDF: 17621.7/29

All: 1104.648+/-0.130 χ^2/NDF: 30841.2/60

- sign 1105.366+/-0.185 χ^2/NDF: 13189.8/30

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 756.942+/-444.055 χ^2/NDF:15.4/13

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

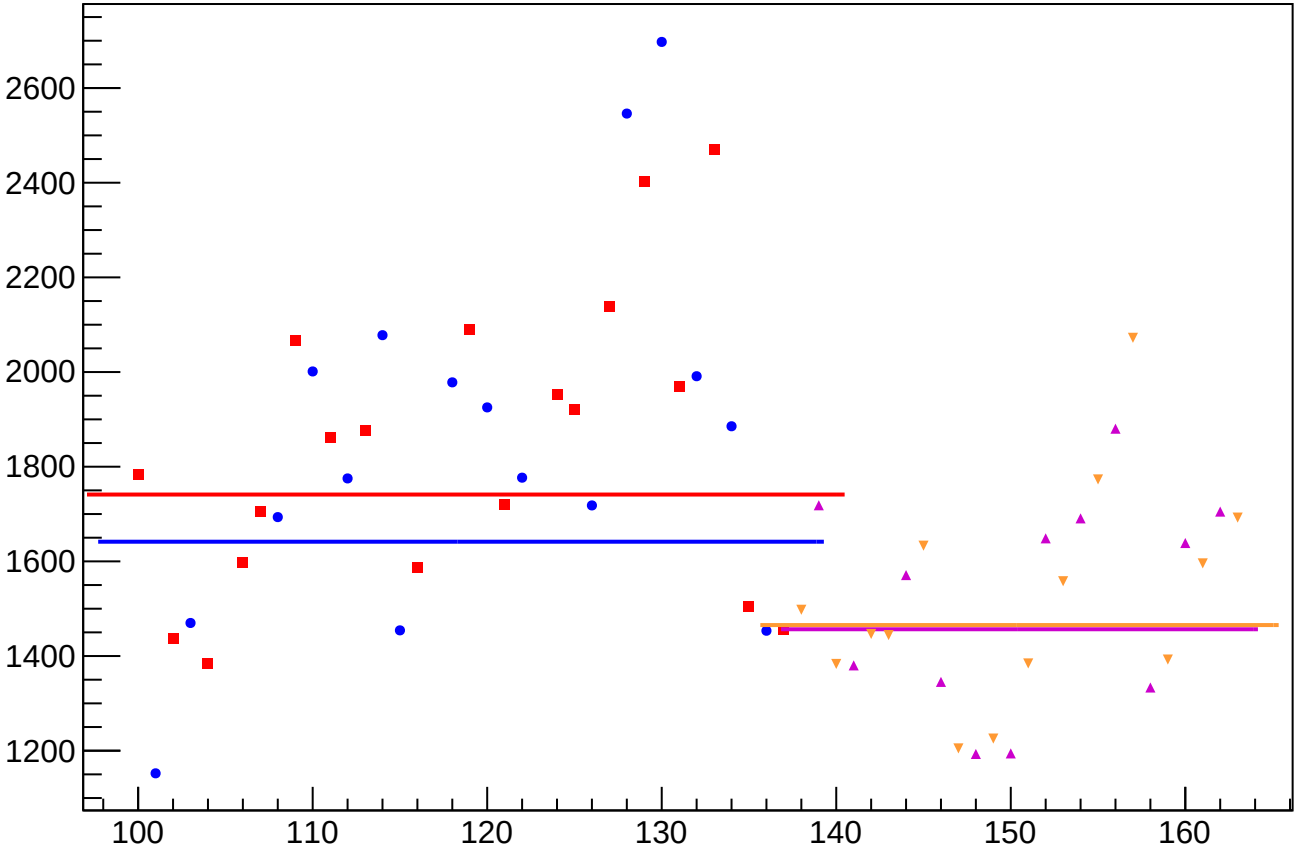
Left In: -110.029+/-458.766 χ^2/NDF:9.3/11

+ sign 520.603+/-362.583 χ^2/NDF: 33.1/29

All: 352.509+/-260.459 χ^2/NDF: 58.9/60

- sign 173.290+/-374.389 χ^2/NDF: 25.4/30

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1465.442+/-0.314 χ^2/NDF:411417.1/13

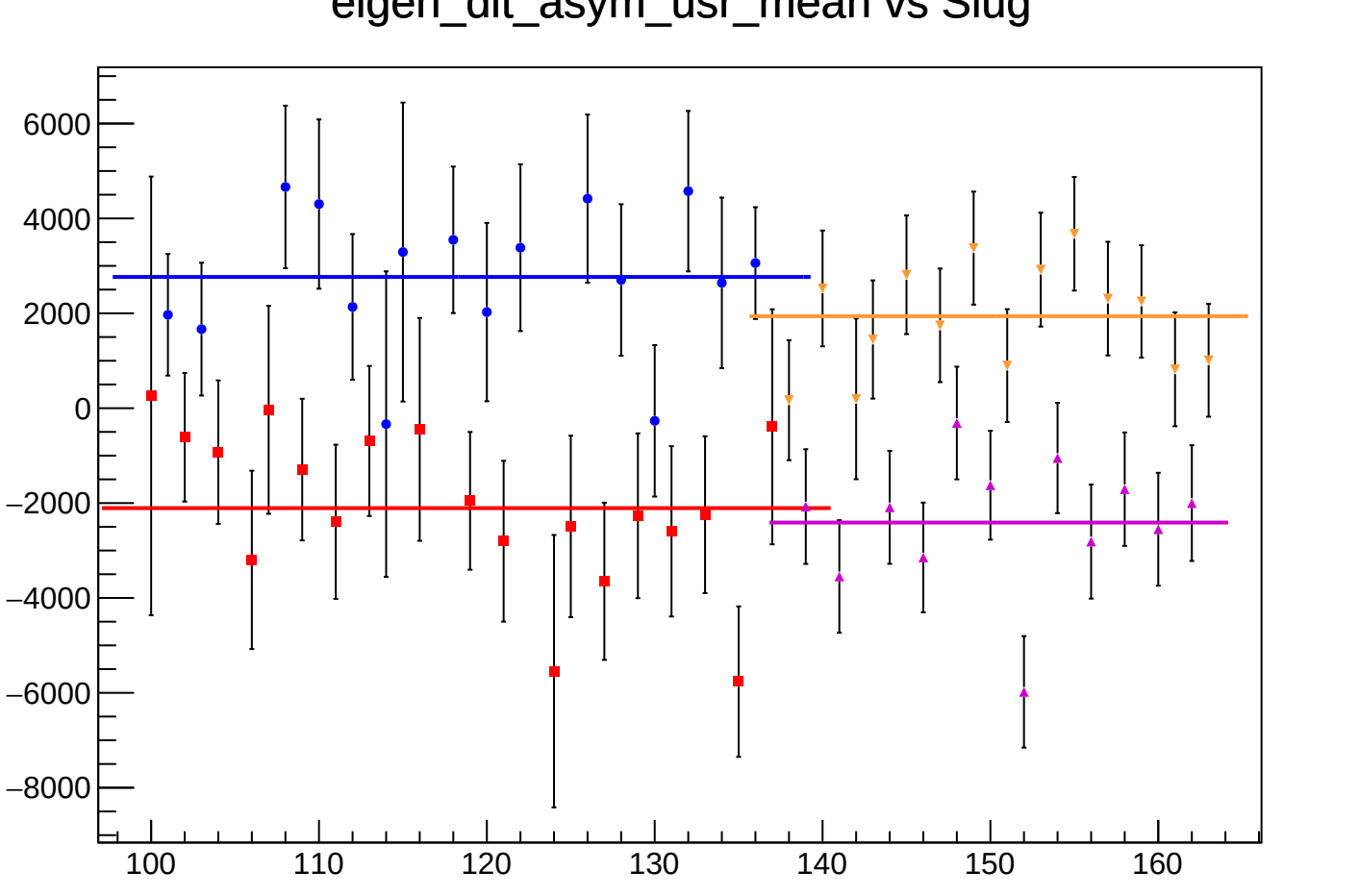
Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1456.576+/-0.324 χ^2/NDF:443781.6/11

+ sign 1524.132+/-0.256 χ^2/NDF: 1217553.8/29

All: 1537.448+/-0.184 χ^2/NDF: 2362380.0/60

- sign 1551.645+/-0.265 χ^2/NDF: 1139252.6/30



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1939.395+/-328.966 χ^2/NDF:10.6/13

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

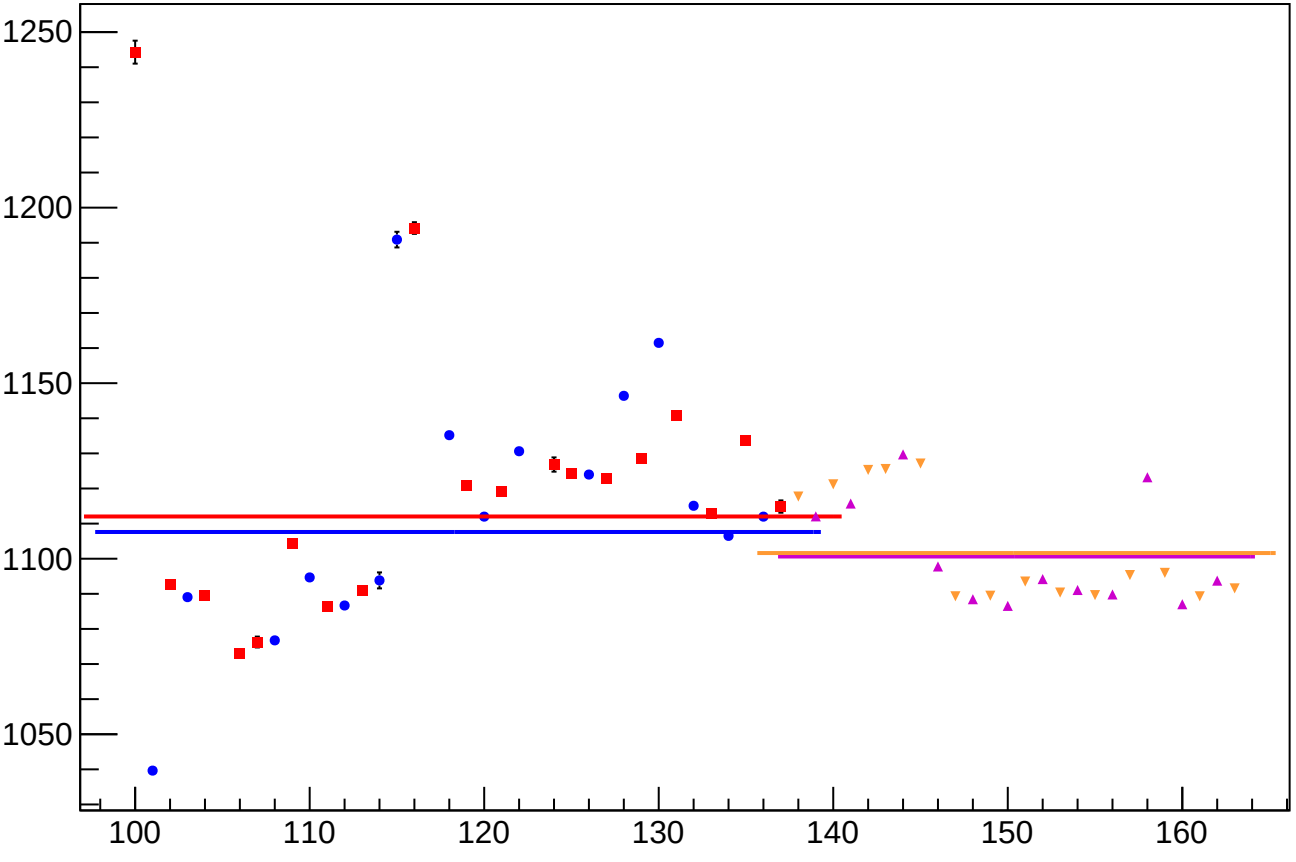
Left In: -2410.555+/-341.919 χ^2/NDF:16.2/11

+ sign 2261.889+/-256.966 χ^2/NDF: 23.3/29

All: 27.904+/-183.257 χ^2/NDF: 207.1/60

- sign -2284.180+/-261.419 χ^2/NDF: 29.9/30

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

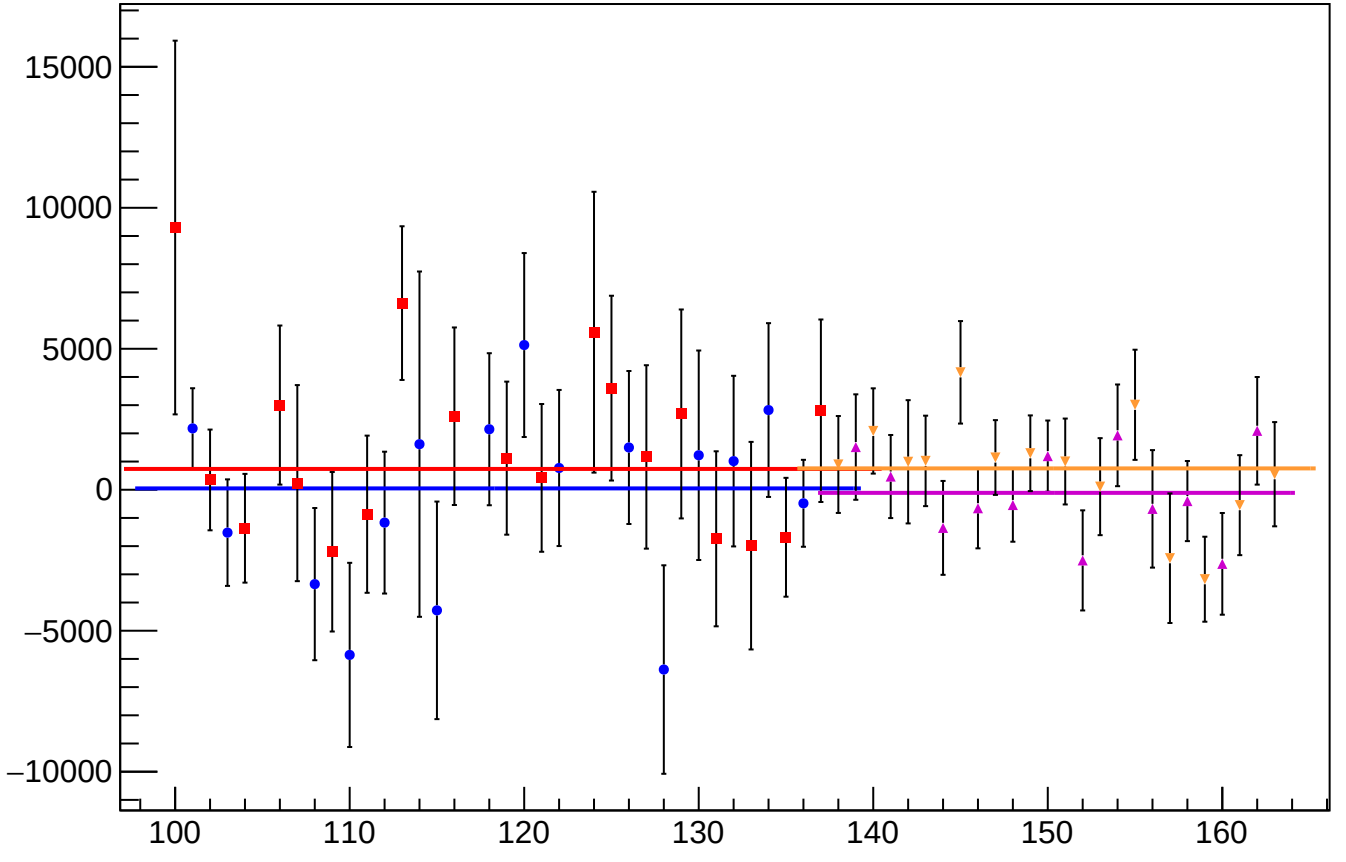
Left In: 1100.631+/-0.242 χ^2/NDF:3612.9/11

+ sign 1103.954+/-0.182 χ^2/NDF: 17621.6/29

All: 1104.648+/-0.130 χ^2/NDF: 30841.0/60

- sign 1105.366+/-0.185 χ^2/NDF: 13189.8/30

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 756.941+/-444.056 χ^2/NDF:15.4/13

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

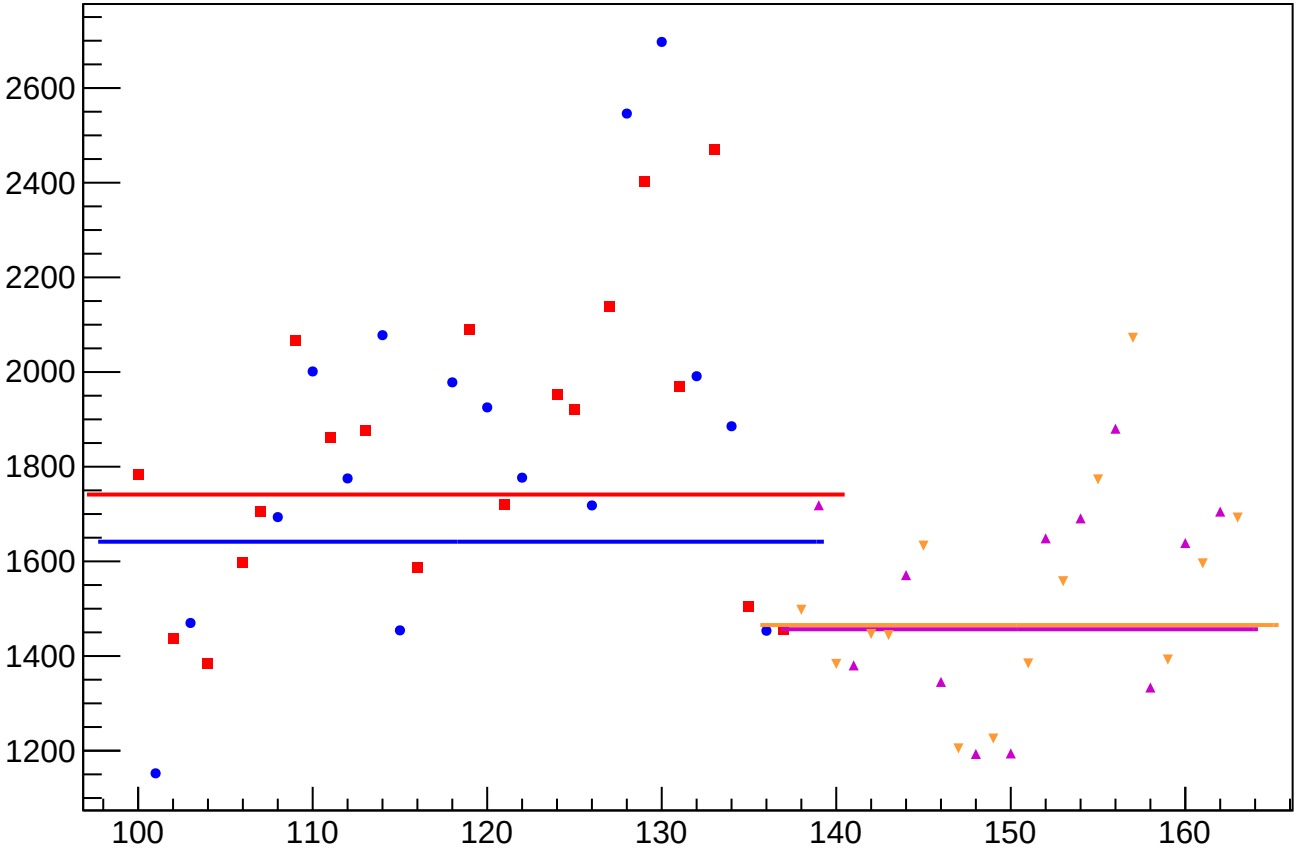
Left In: -110.029+/-458.767 χ^2/NDF:9.3/11

+ sign 520.600+/-362.583 χ^2/NDF: 33.1/29

All: 352.508+/-260.459 χ^2/NDF: 58.9/60

- sign 173.292+/-374.389 χ^2/NDF: 25.4/30

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1465.446+/-0.314 χ^2/NDF:411421.6/13

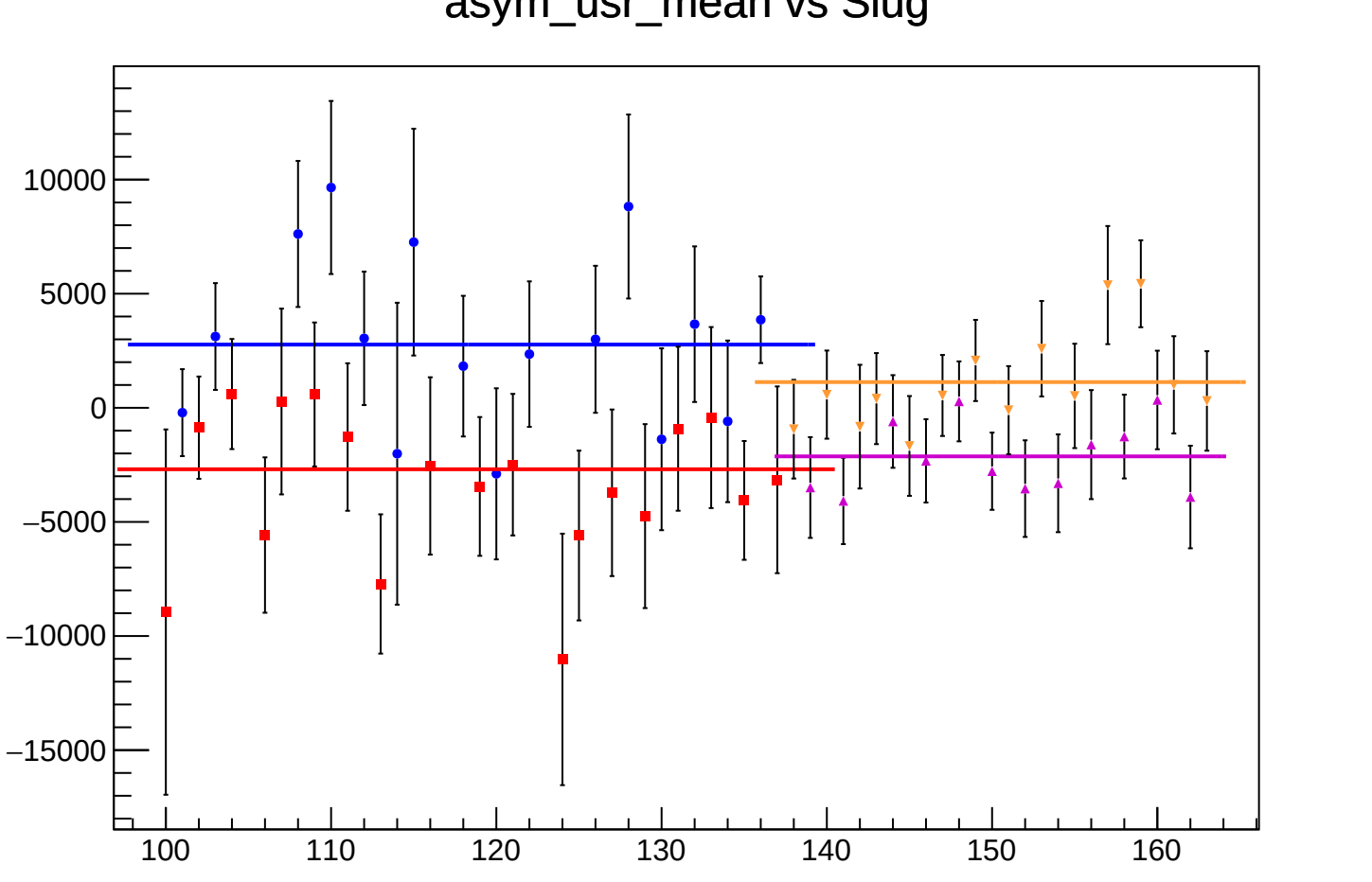
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1456.580+/-0.324 χ^2/NDF:443787.4/11

+ sign 1524.134+/-0.256 χ^2/NDF: 1217539.5/29

All: 1537.450+/-0.184 χ^2/NDF: 2362350.6/60

- sign 1551.648+/-0.265 χ^2/NDF: 1139237.1/30



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1127.636+/-554.233 χ^2/NDF:12.6/13

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

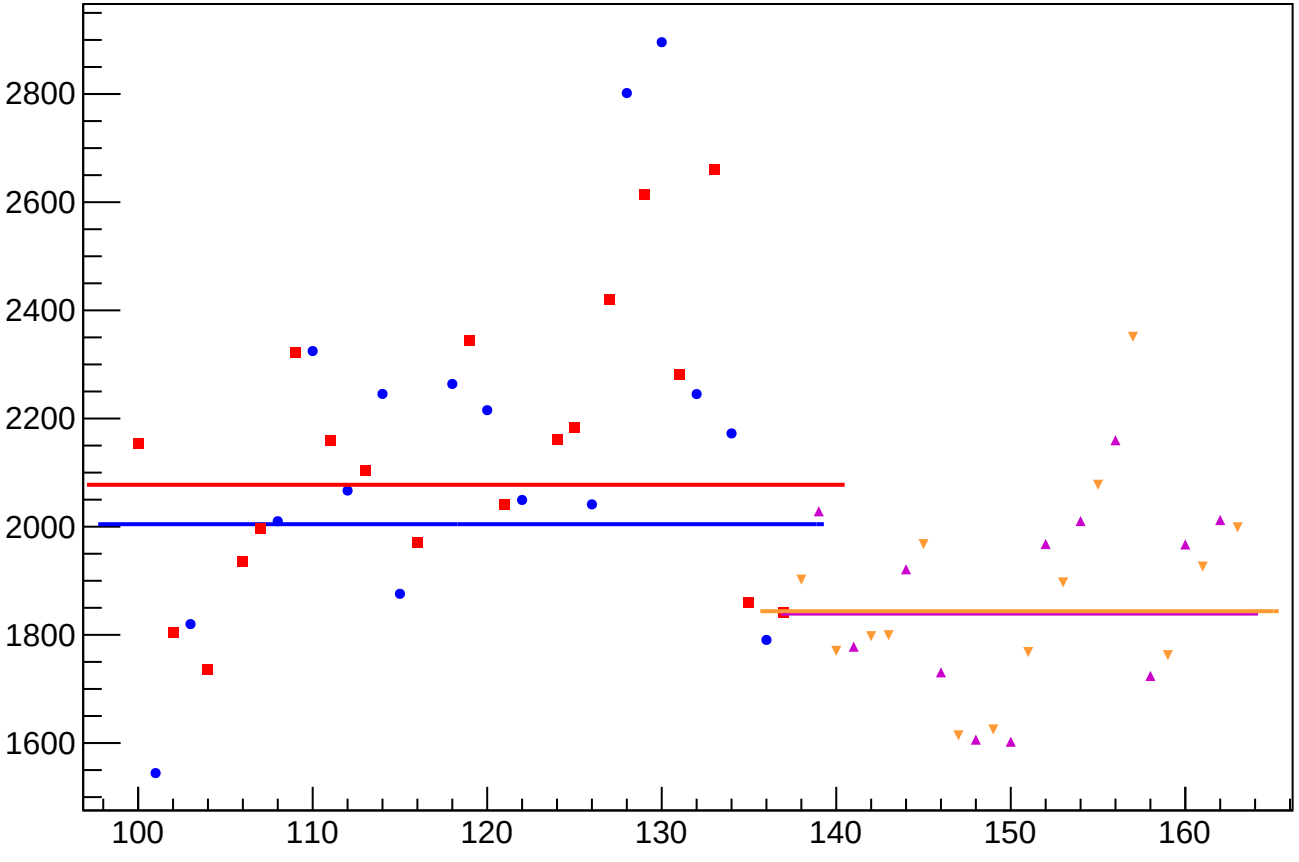
Left In: -2128.327+/-574.749 χ^2/NDF:7.0/11

+ sign 1700.653+/-447.212 χ^2/NDF: 32.1/29

All: -260.110+/-320.542 χ^2/NDF: 91.5/60

- sign -2331.671+/-459.674 χ^2/NDF: 19.9/30

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1843.751+/-0.392 χ^2/NDF:194892.1/13

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

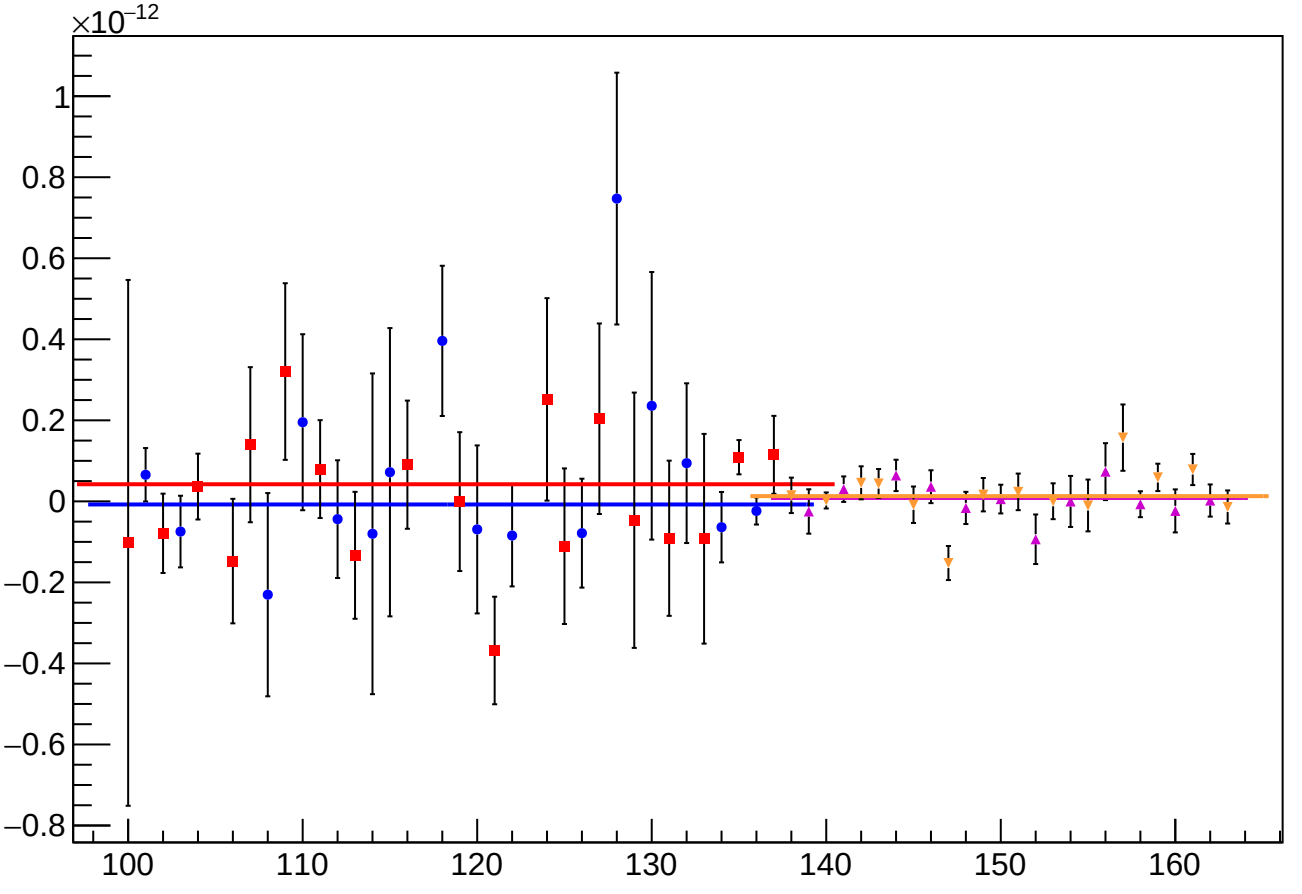
Left In: 1839.318+/-0.406 χ^2/NDF:184563.0/11

+ sign 1899.885+/-0.316 χ^2/NDF: 641259.7/29

All: 1912.169+/-0.227 χ^2/NDF: 1183177.5/60

- sign 1925.147+/-0.325 χ^2/NDF: 538814.7/30

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

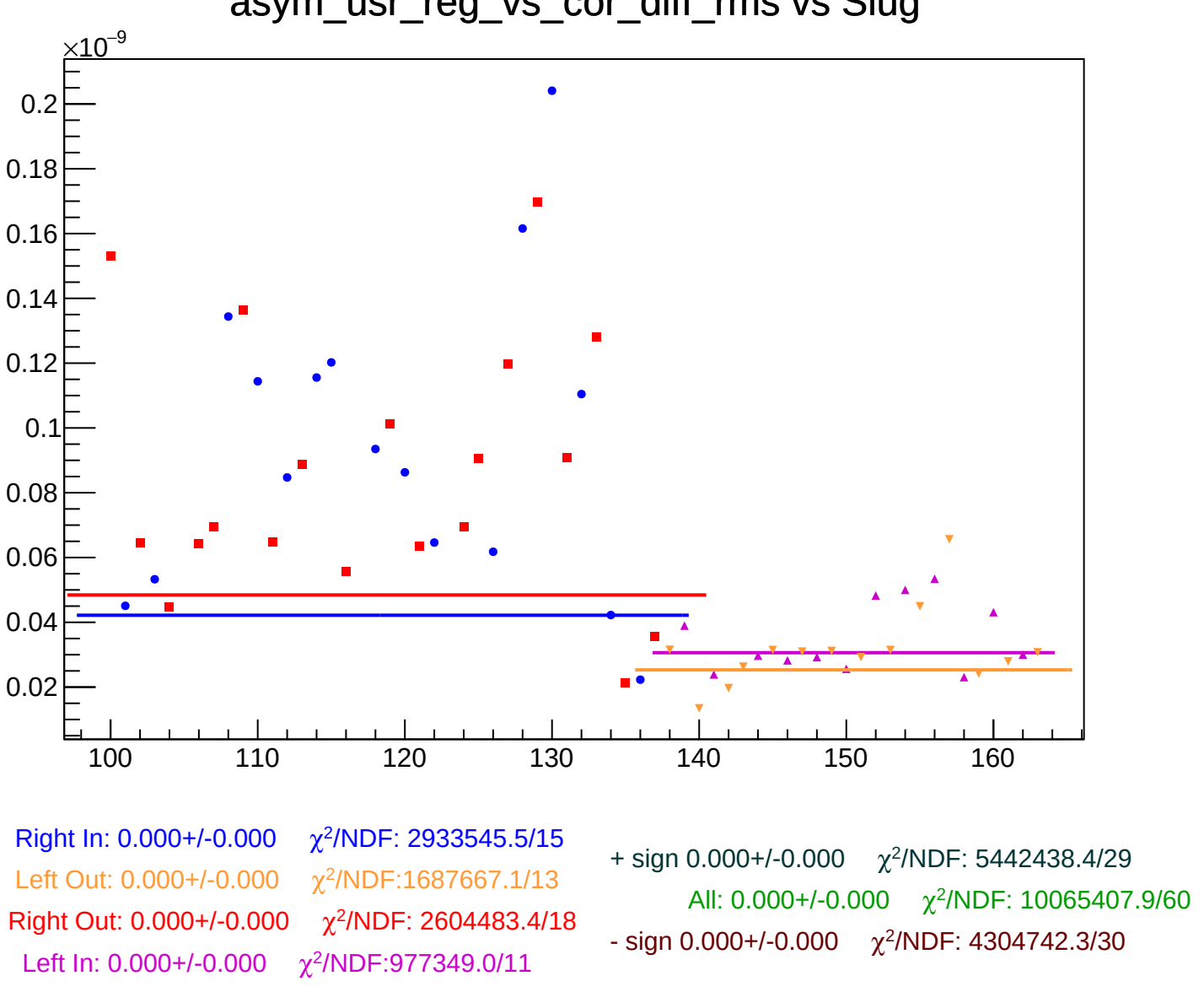
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/11

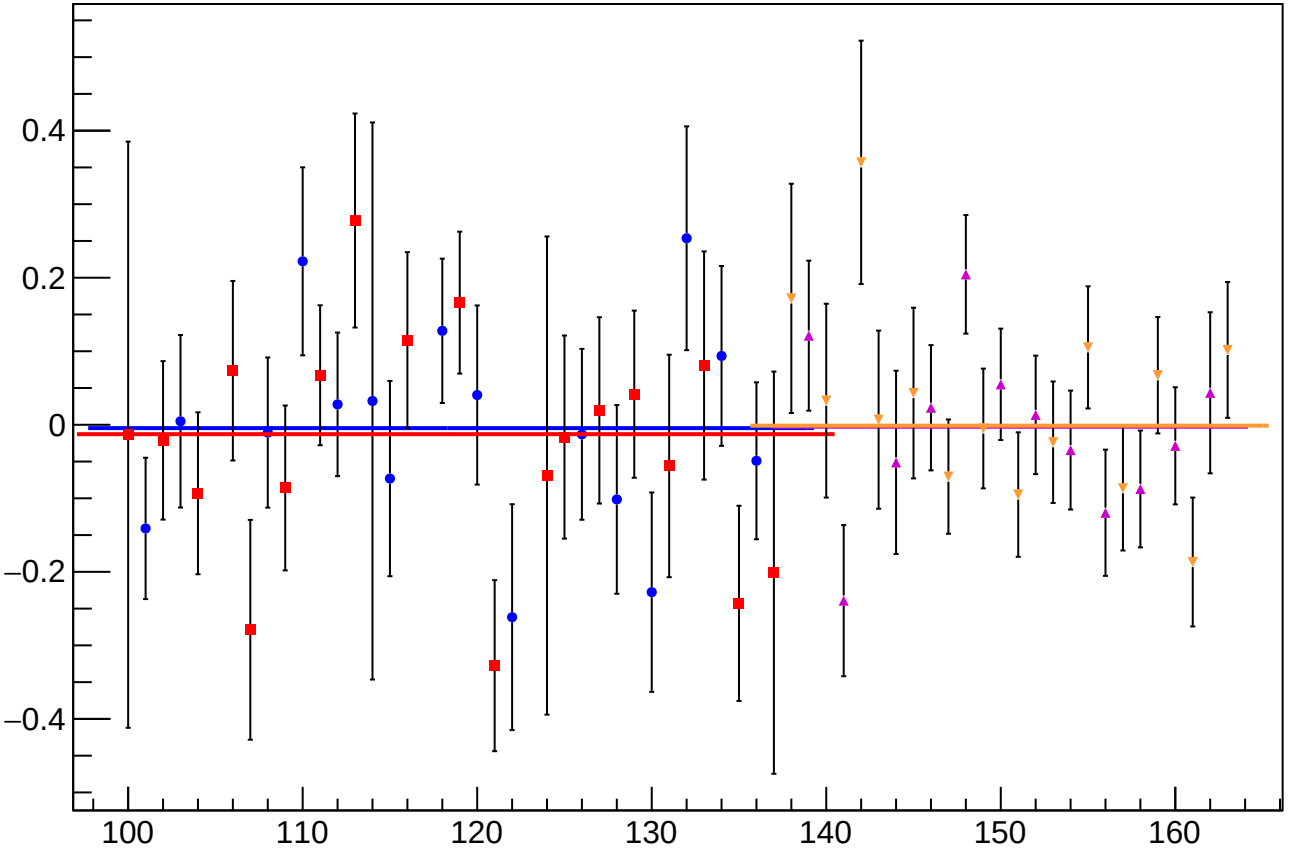
+ sign 0.000+/-0.000 χ^2/NDF: 43.0/29

All: 0.000+/-0.000 χ^2/NDF: 74.2/60

- sign 0.000+/-0.000 χ^2/NDF: 31.1/30


asym_usr_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
160
Right In: 0.000+/-0.000 χ²/NDF: 2933545.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1687667.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 2604483.4/18
Left In: 0.000+/-0.000 χ²/NDF:977349.0/11
+ sign 0.000+/-0.000 χ²/NDF: 5442438.4/29
All: 0.000+/-0.000 χ²/NDF: 10065407.9/60
- sign 0.000+/-0.000 χ²/NDF: 4304742.3/30

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

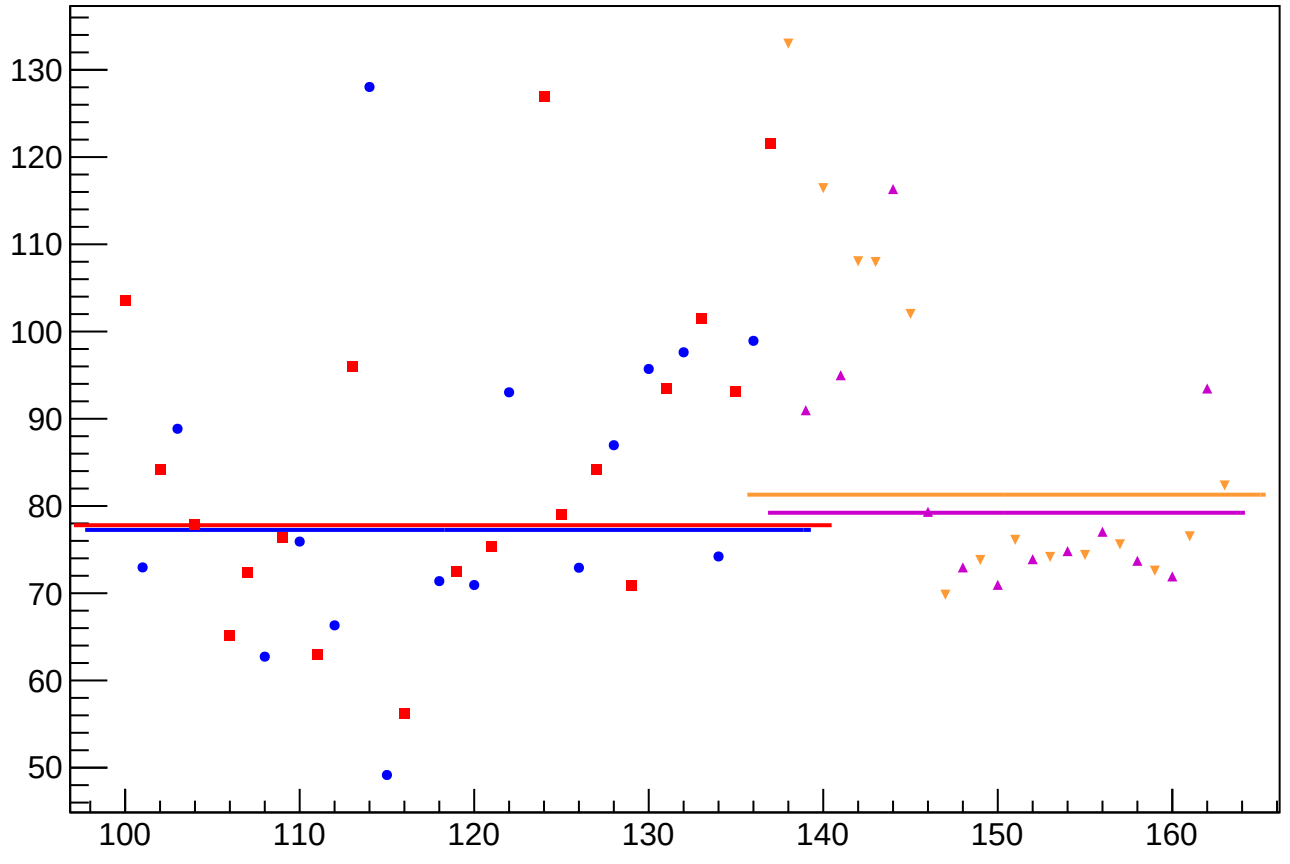
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.025 χ^2/NDF:17.7/11

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.005+/-0.014 χ^2/NDF: 77.9/60

- sign -0.007+/-0.019 χ^2/NDF: 43.2/30



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

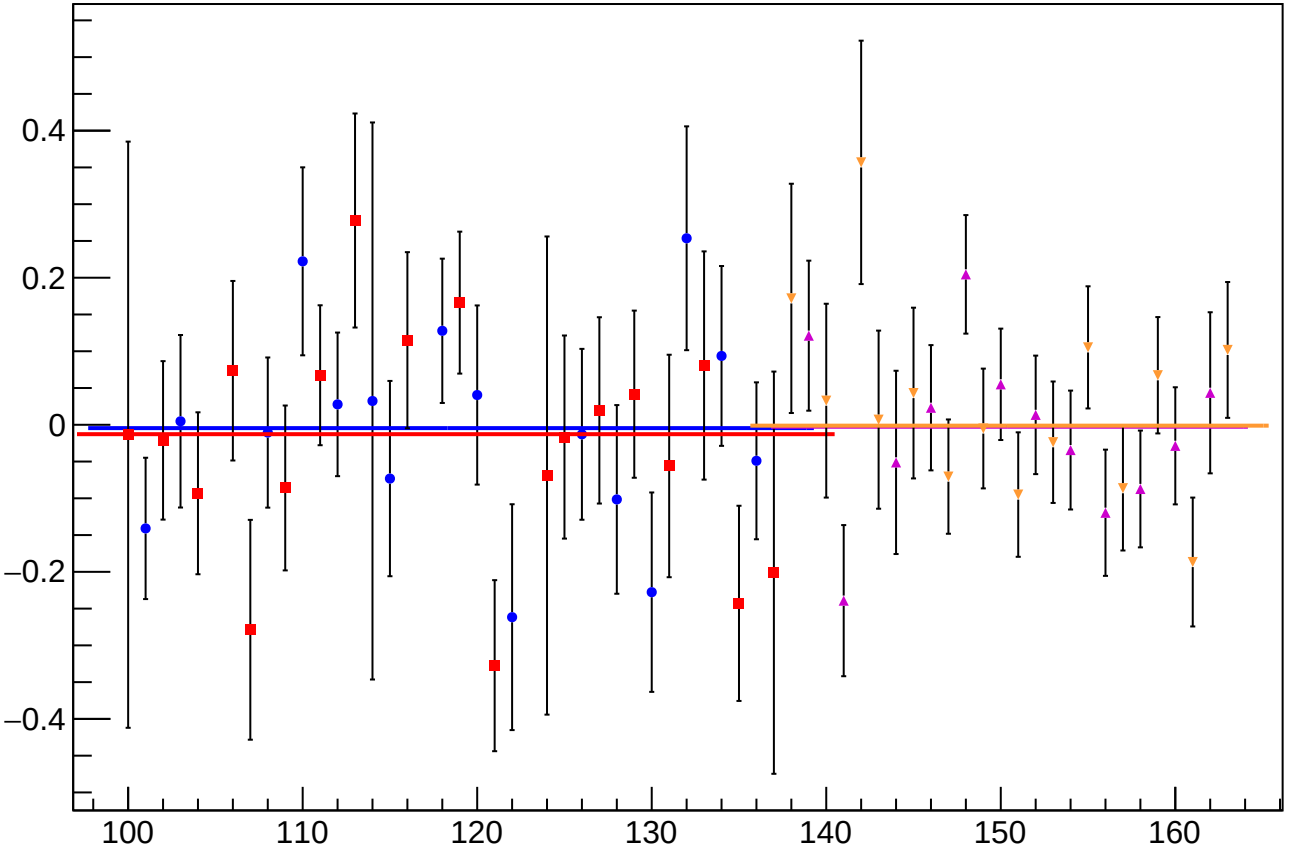
Left In: 79.225+/-0.018 χ^2/NDF:362972.1/11

+ sign 79.629+/-0.014 χ^2/NDF: 1151789.8/29

All: 79.125+/-0.010 χ^2/NDF: 1916627.4/60

- sign 78.625+/-0.014 χ^2/NDF: 762128.5/30

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

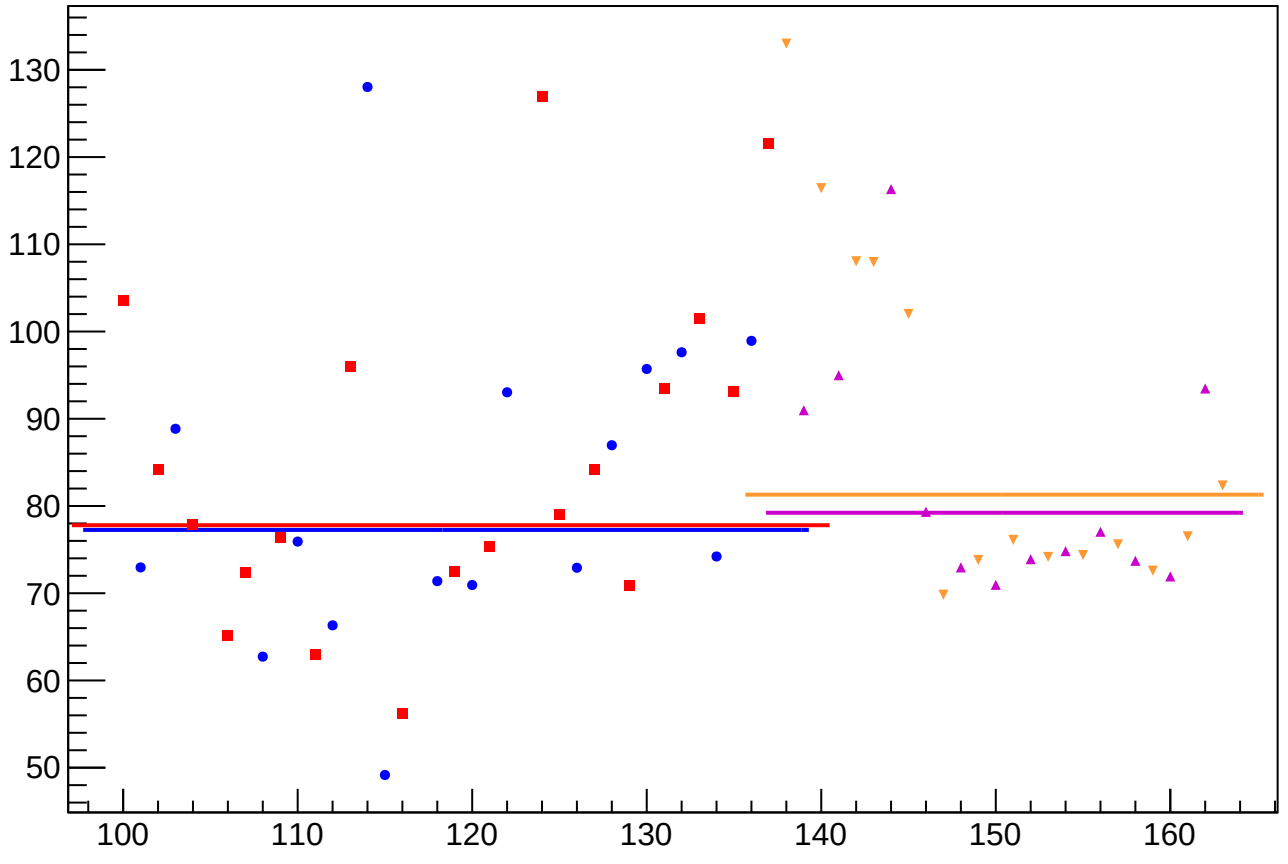
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.025 χ^2/NDF:17.7/11

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.005+/-0.014 χ^2/NDF: 77.9/60

- sign -0.007+/-0.019 χ^2/NDF: 43.2/30



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

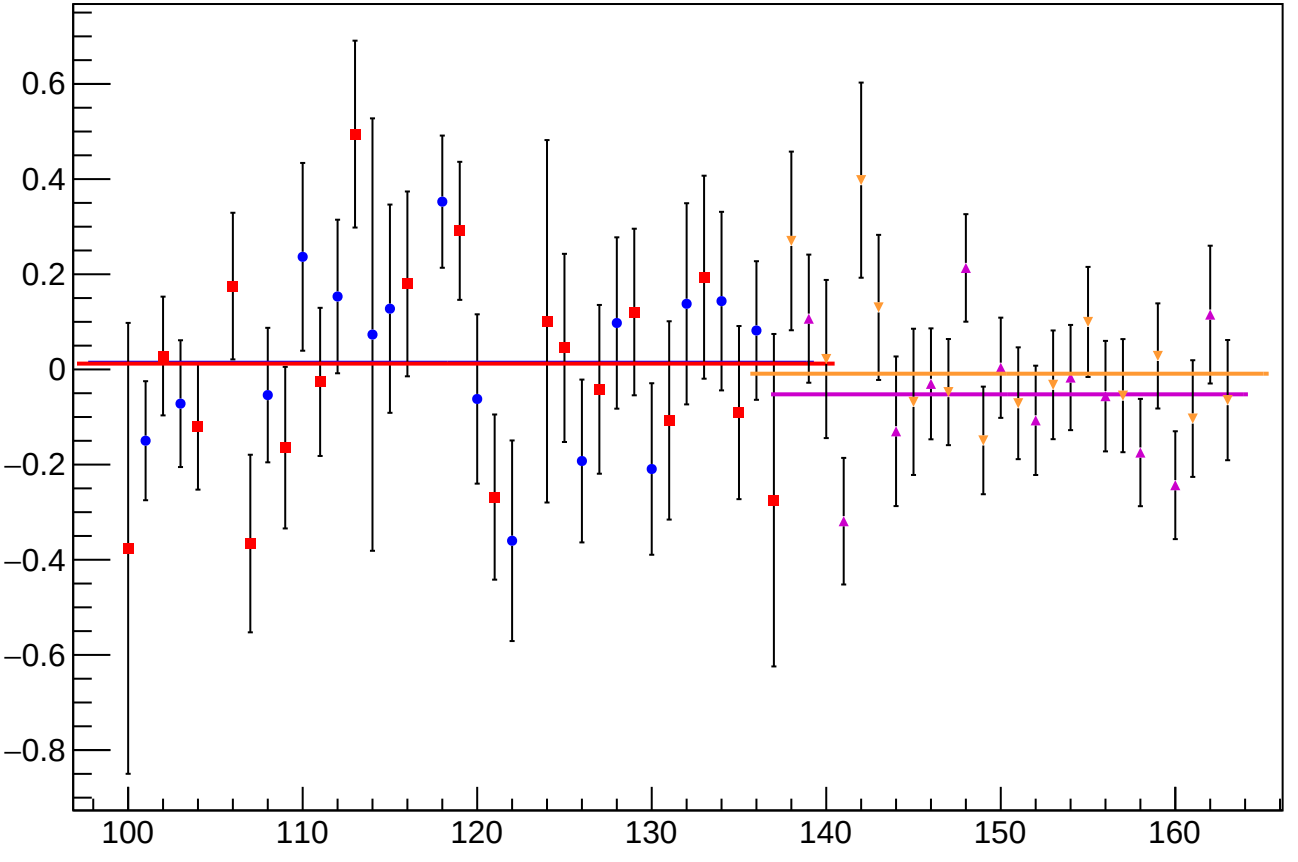
Left In: 79.225+/-0.018 χ^2/NDF:362972.1/11

+ sign 79.629+/-0.014 χ^2/NDF: 1151789.8/29

All: 79.125+/-0.010 χ^2/NDF: 1916627.4/60

- sign 78.625+/-0.014 χ^2/NDF: 762128.5/30

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

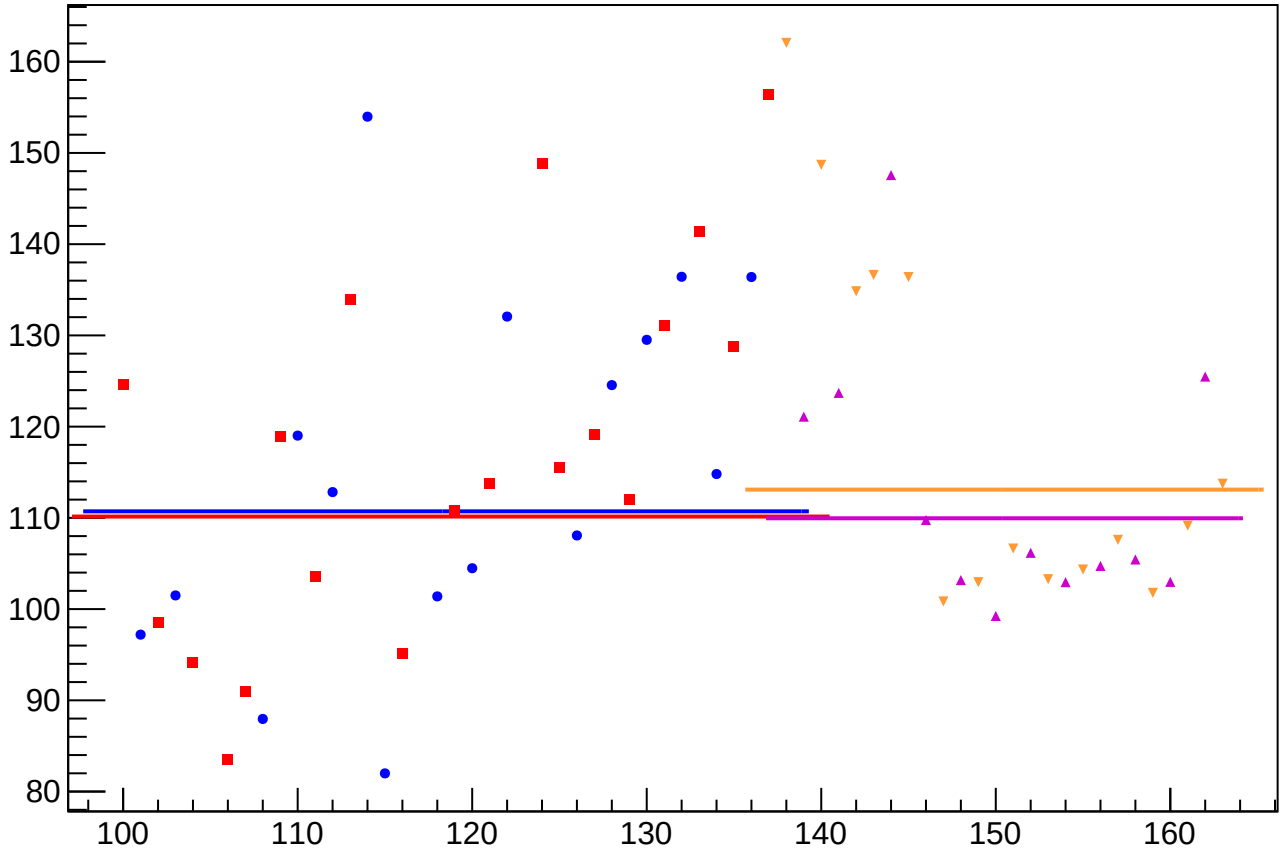
Left In: -0.052+/-0.035 χ^2/NDF:17.2/11

+ sign 0.000+/-0.027 χ^2/NDF: 29.4/29

All: -0.013+/-0.019 χ^2/NDF: 72.3/60

- sign -0.026+/-0.027 χ^2/NDF: 42.4/30

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.097+/-0.024 χ^2/NDF:443869.3/13

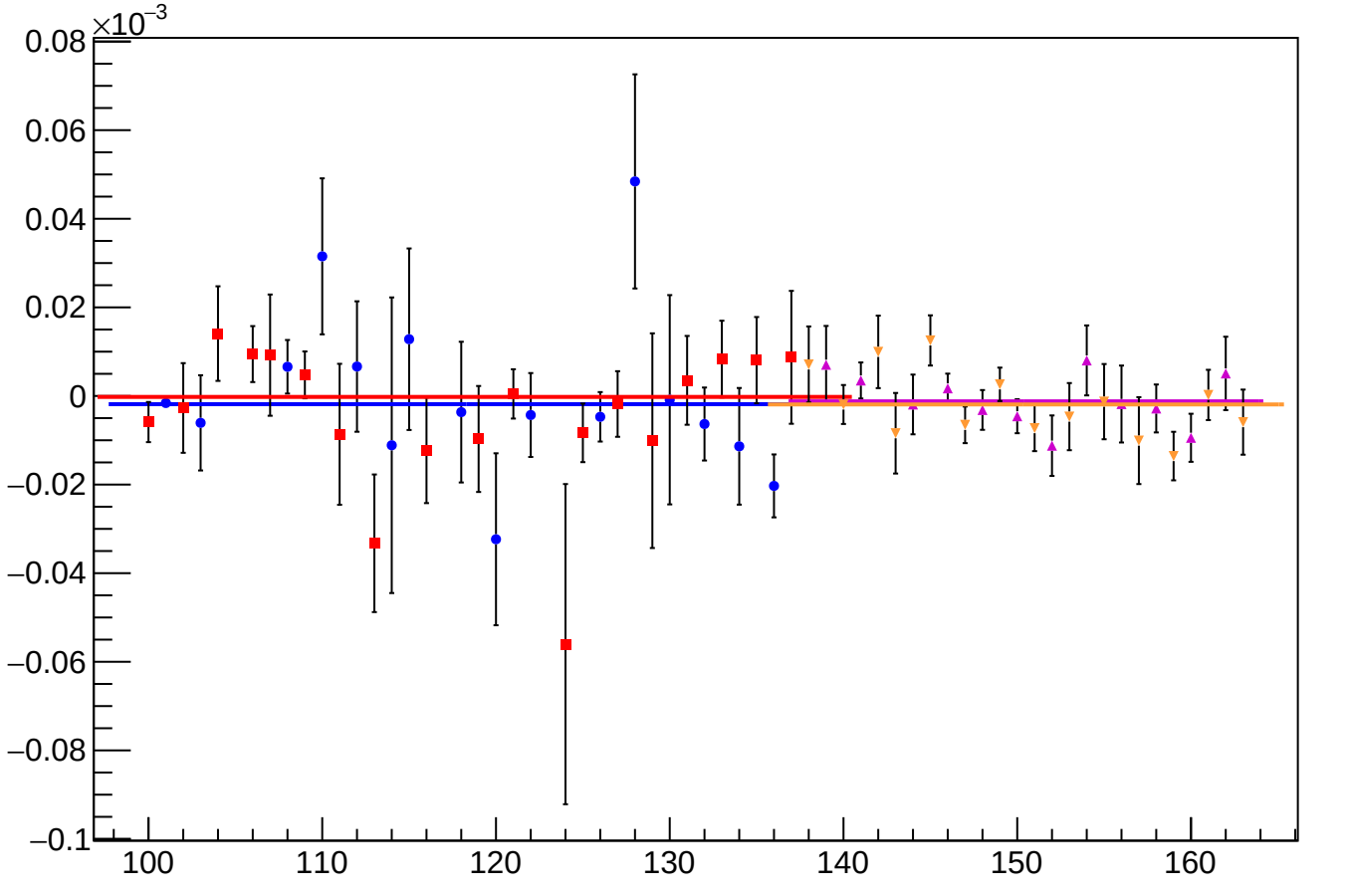
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.954+/-0.025 χ^2/NDF:225440.2/11

+ sign 112.143+/-0.019 χ^2/NDF: 747652.7/29

All: 111.081+/-0.013 χ^2/NDF: 1306109.0/60

- sign 110.033+/-0.019 χ^2/NDF: 552191.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

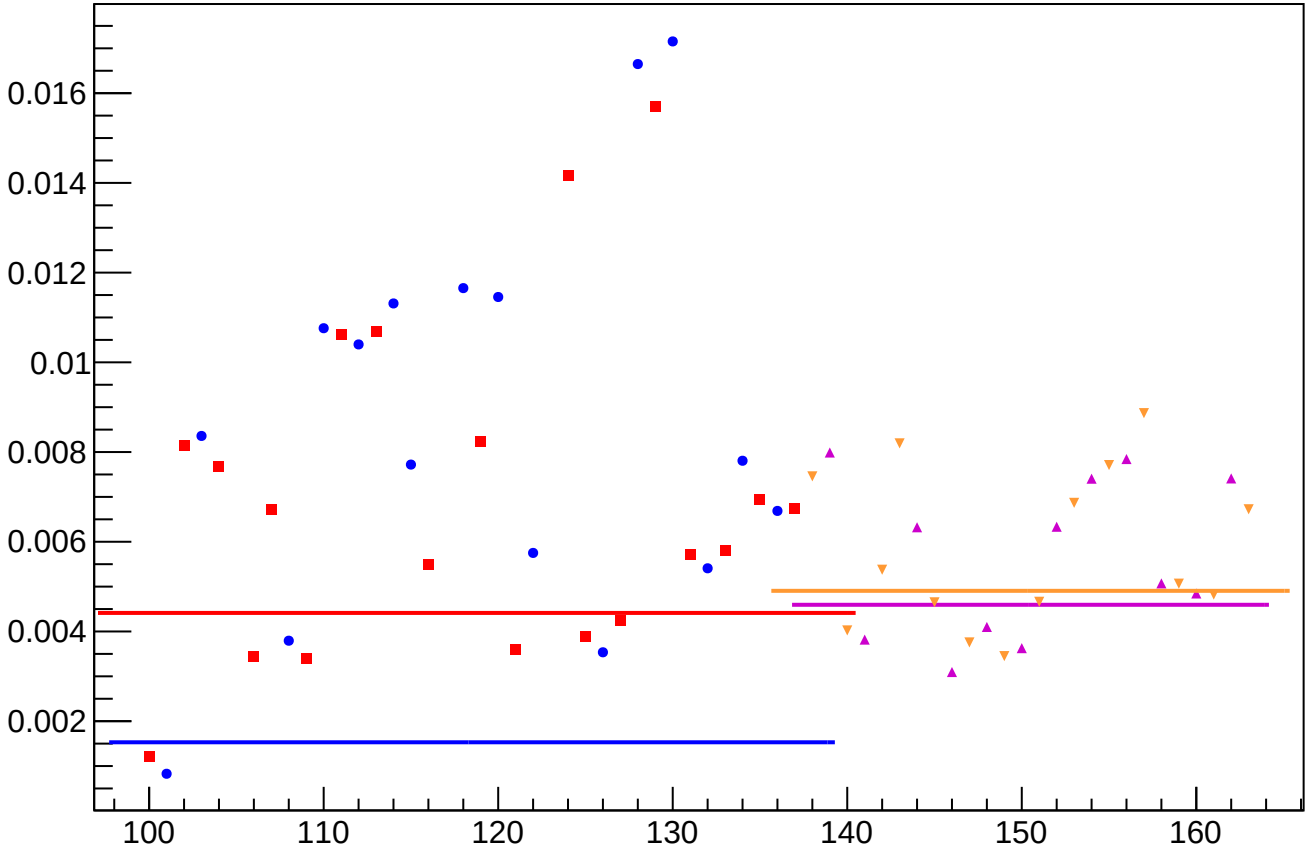
Left In: -0.000+/-0.000 χ^2/NDF:10.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/29

All: -0.000+/-0.000 χ^2/NDF: 72.2/60

- sign -0.000+/-0.000 χ^2/NDF: 30.5/30

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:1788869.5/13

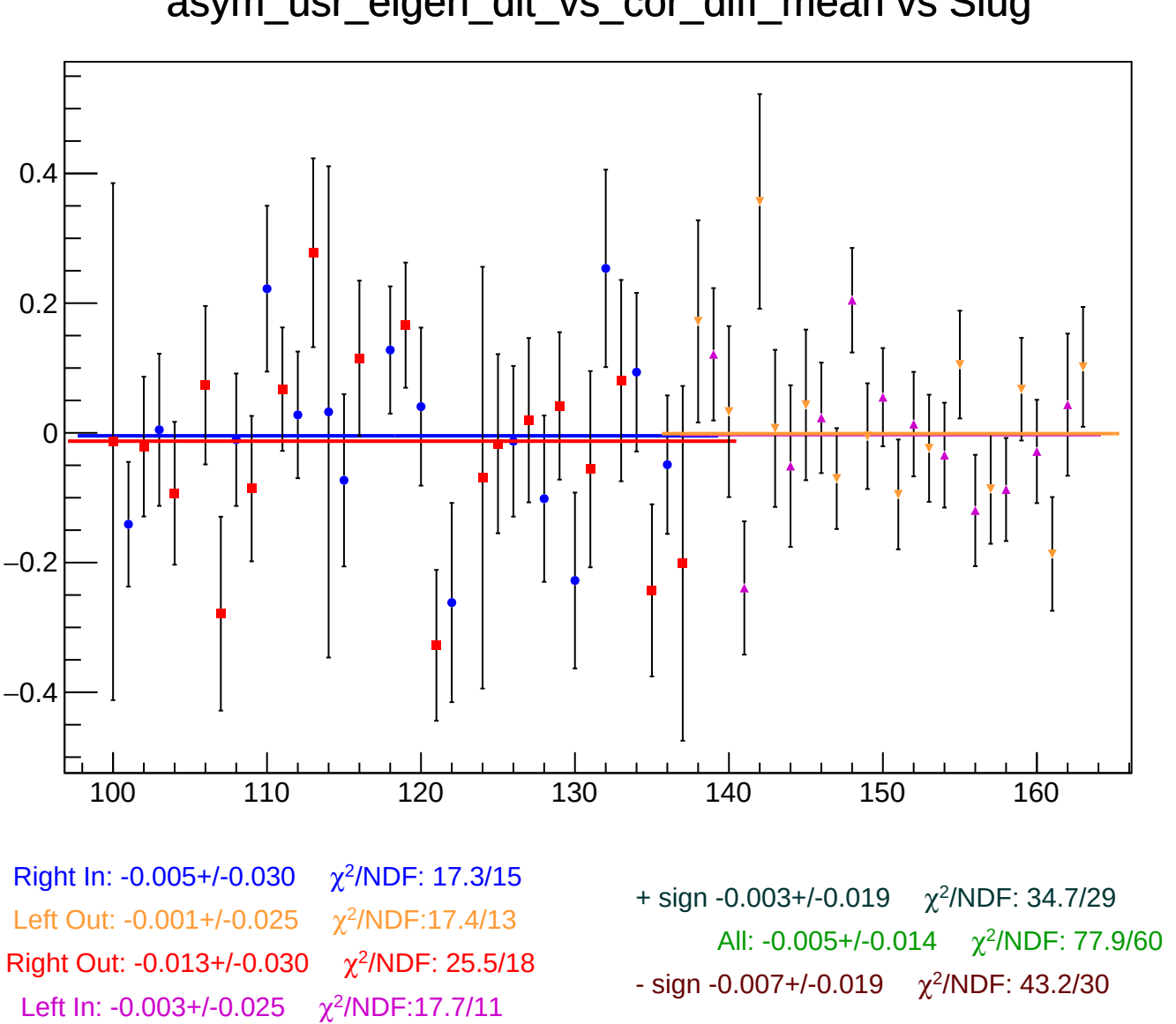
Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:1979376.5/11

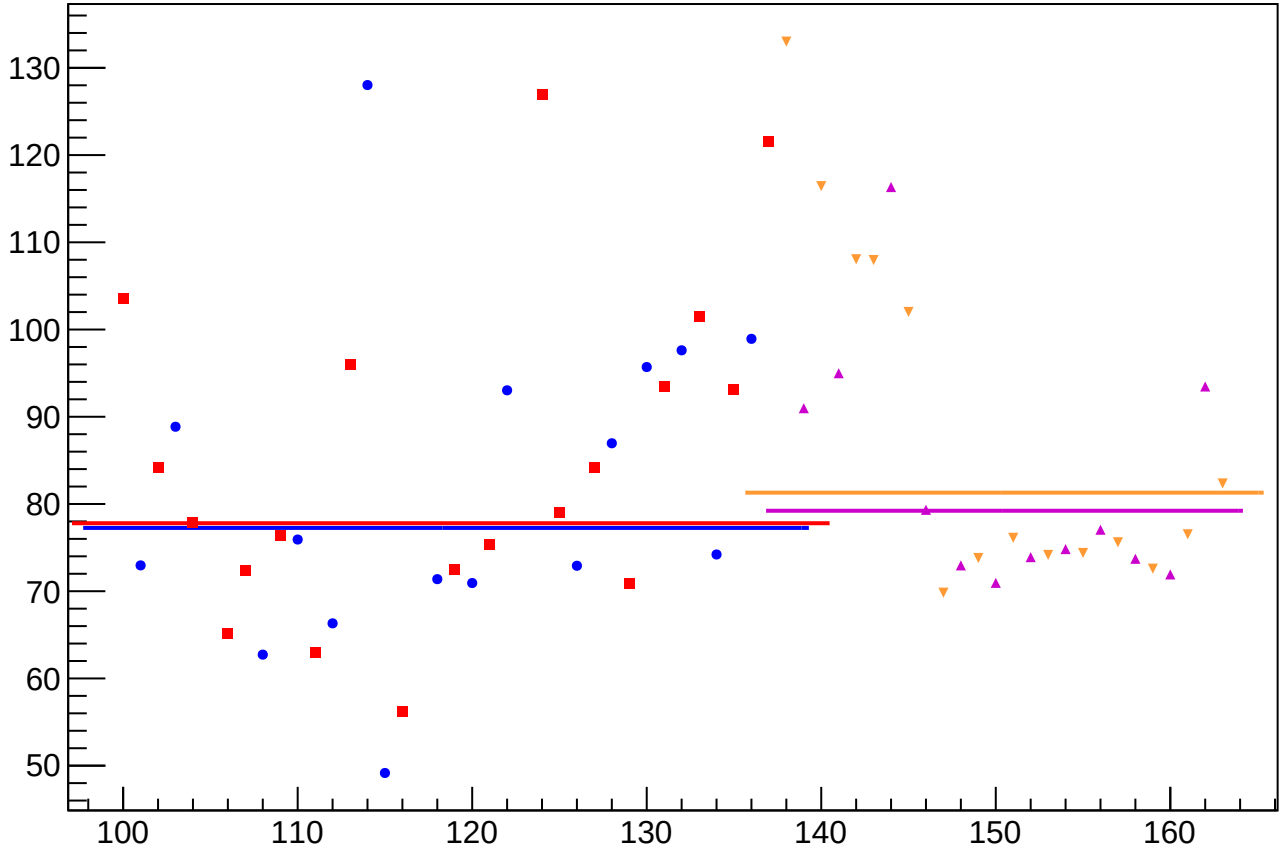
+ sign 0.002+/-0.000 χ^2/NDF: 17792938.5/29

All: 0.003+/-0.000 χ^2/NDF: 27168802.5/60

- sign 0.005+/-0.000 χ^2/NDF: 5378416.2/30


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.001+/-0.025 χ²/NDF:17.4/13
Right Out: -0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.003+/-0.025 χ²/NDF:17.7/11
+ sign -0.003+/-0.019 χ²/NDF: 34.7/29
All: -0.005+/-0.014 χ²/NDF: 77.9/60
- sign -0.007+/-0.019 χ²/NDF: 43.2/30

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

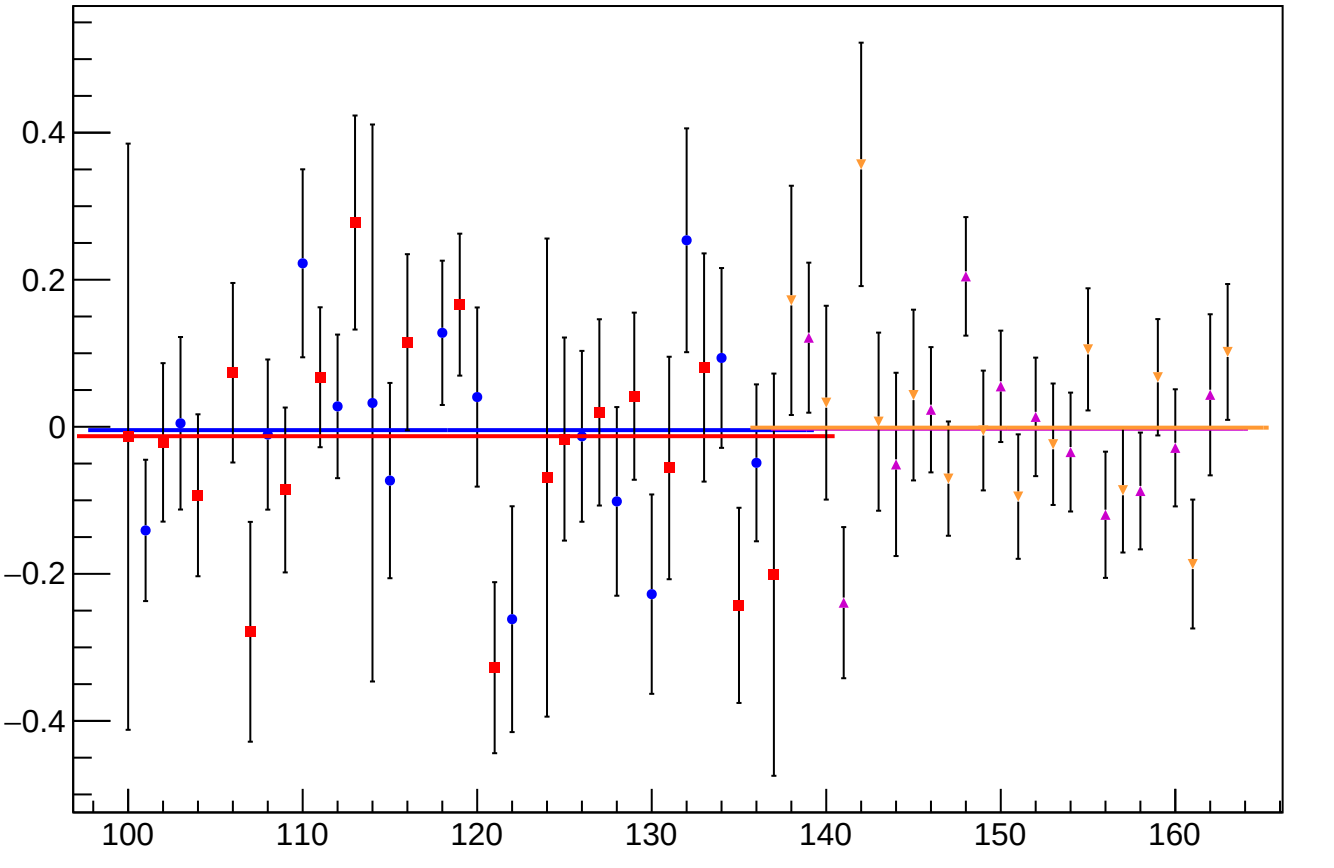
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.225+/-0.018 χ^2/NDF:362978.5/11

+ sign 79.628+/-0.014 χ^2/NDF: 1151796.1/29

All: 79.125+/-0.010 χ^2/NDF: 1916644.7/60

- sign 78.624+/-0.014 χ^2/NDF: 762139.0/30



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

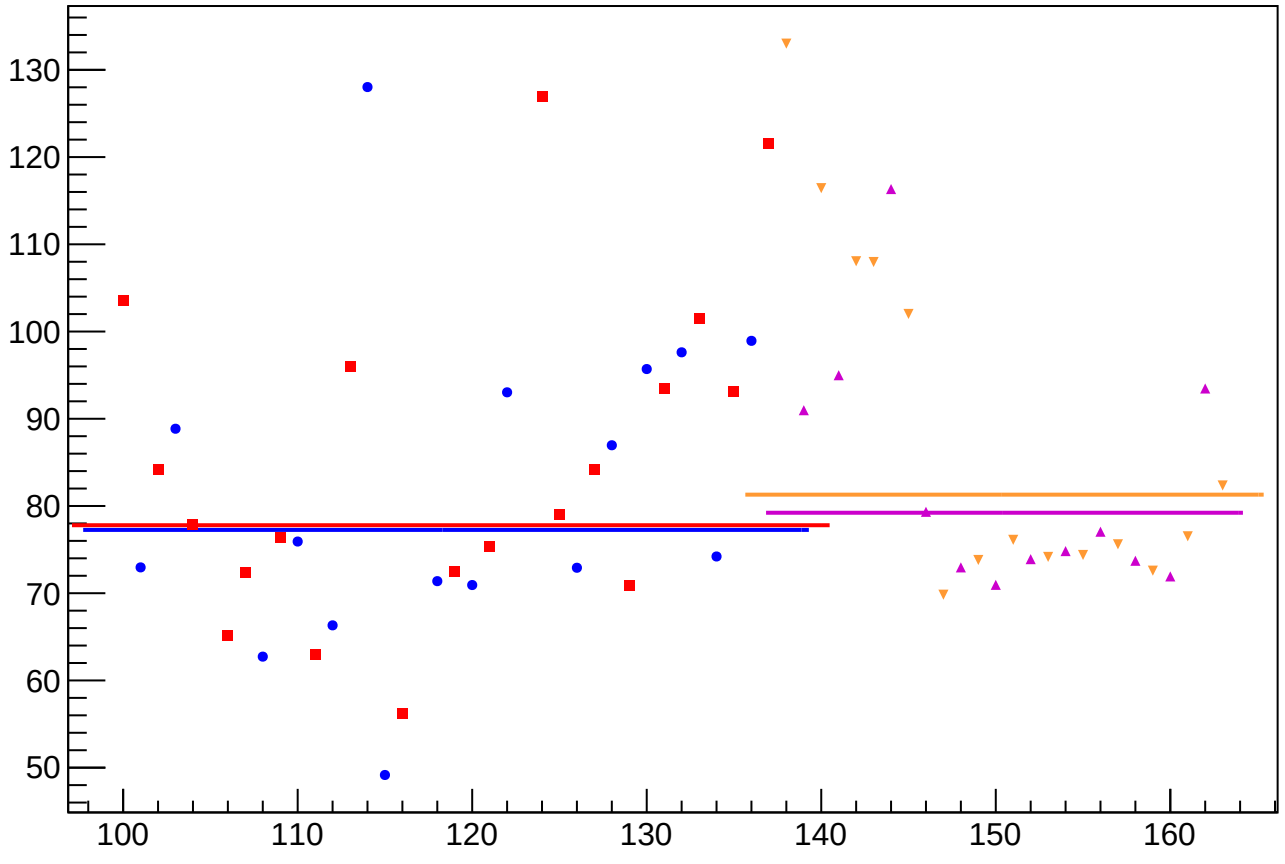
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.003+/-0.025 χ^2/NDF:17.7/11

+ sign -0.003+/-0.019 χ^2/NDF: 34.7/29

All: -0.005+/-0.014 χ^2/NDF: 77.9/60

- sign -0.007+/-0.019 χ^2/NDF: 43.2/30



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

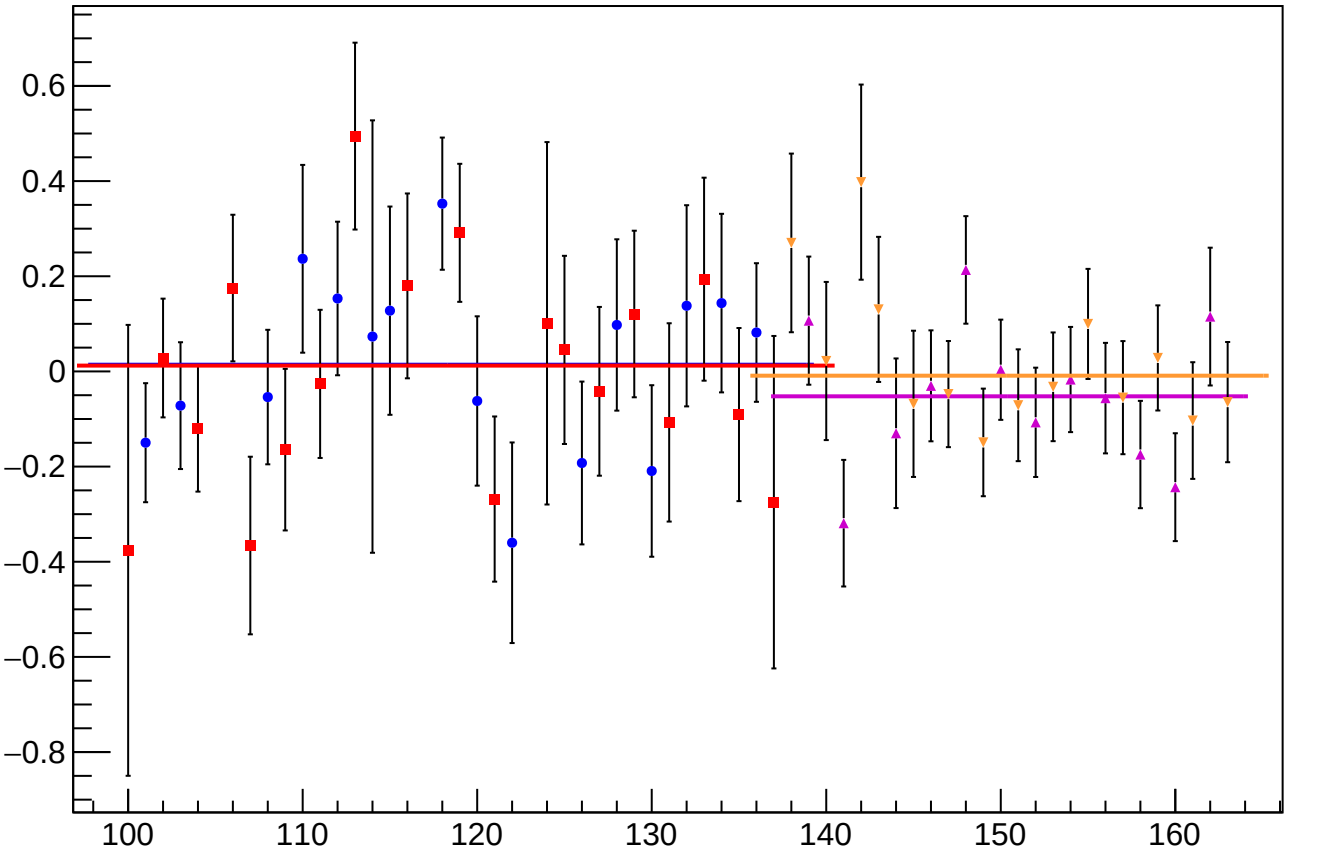
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.225+/-0.018 χ^2/NDF:362978.5/11

+ sign 79.628+/-0.014 χ^2/NDF: 1151796.1/29

All: 79.125+/-0.010 χ^2/NDF: 1916644.7/60

- sign 78.624+/-0.014 χ^2/NDF: 762139.0/30



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

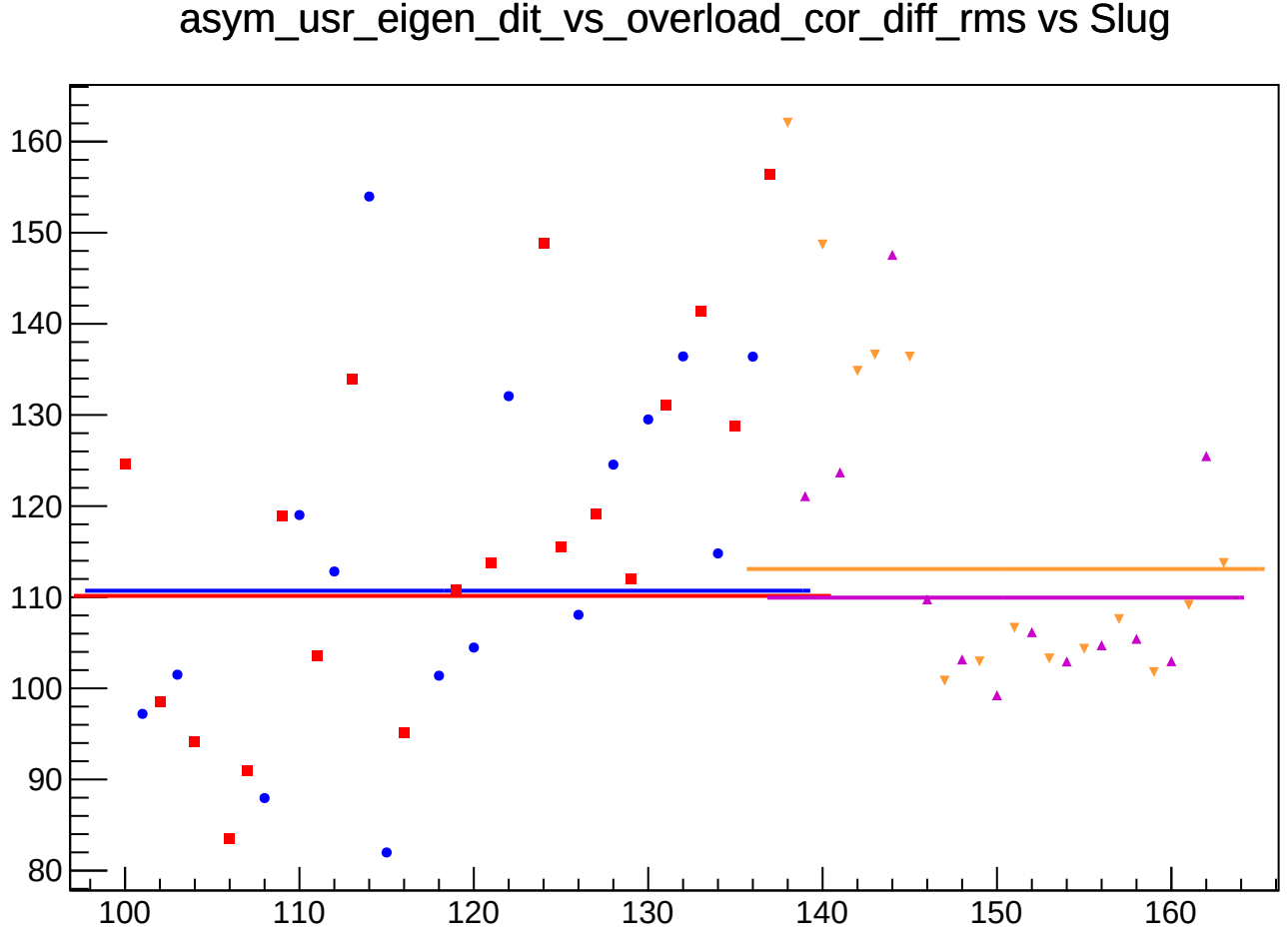
Right Out: 0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: -0.052+/-0.035 χ^2/NDF:17.2/11

+ sign 0.000+/-0.027 χ^2/NDF: 29.4/29

All: -0.013+/-0.019 χ^2/NDF: 72.3/60

- sign -0.026+/-0.027 χ^2/NDF: 42.4/30



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.098+/-0.024 χ^2/NDF:443867.0/13

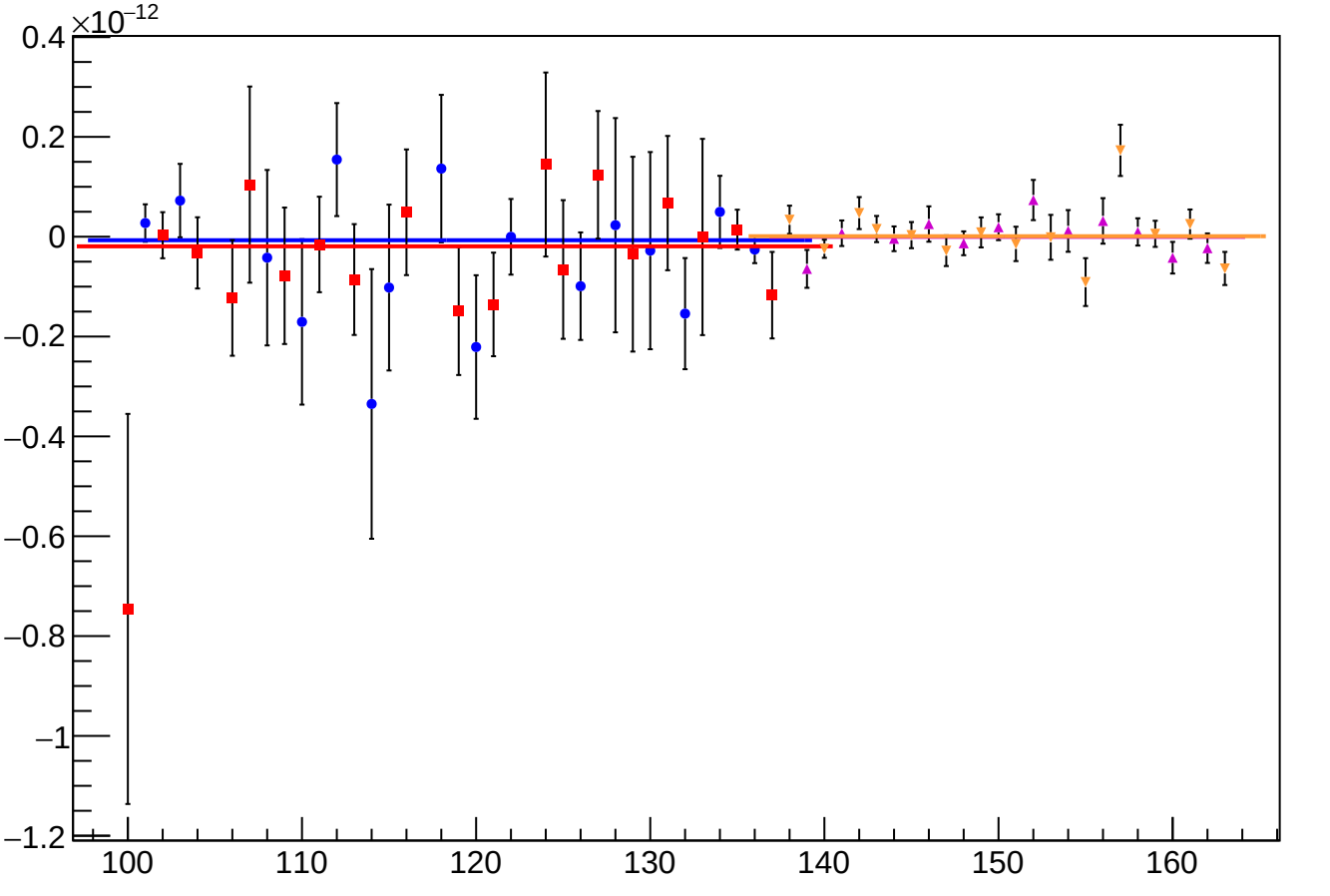
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.954+/-0.025 χ^2/NDF:225444.3/11

+ sign 112.143+/-0.019 χ^2/NDF: 747630.0/29

All: 111.081+/-0.013 χ^2/NDF: 1306060.3/60

- sign 110.033+/-0.019 χ^2/NDF: 552165.7/30



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

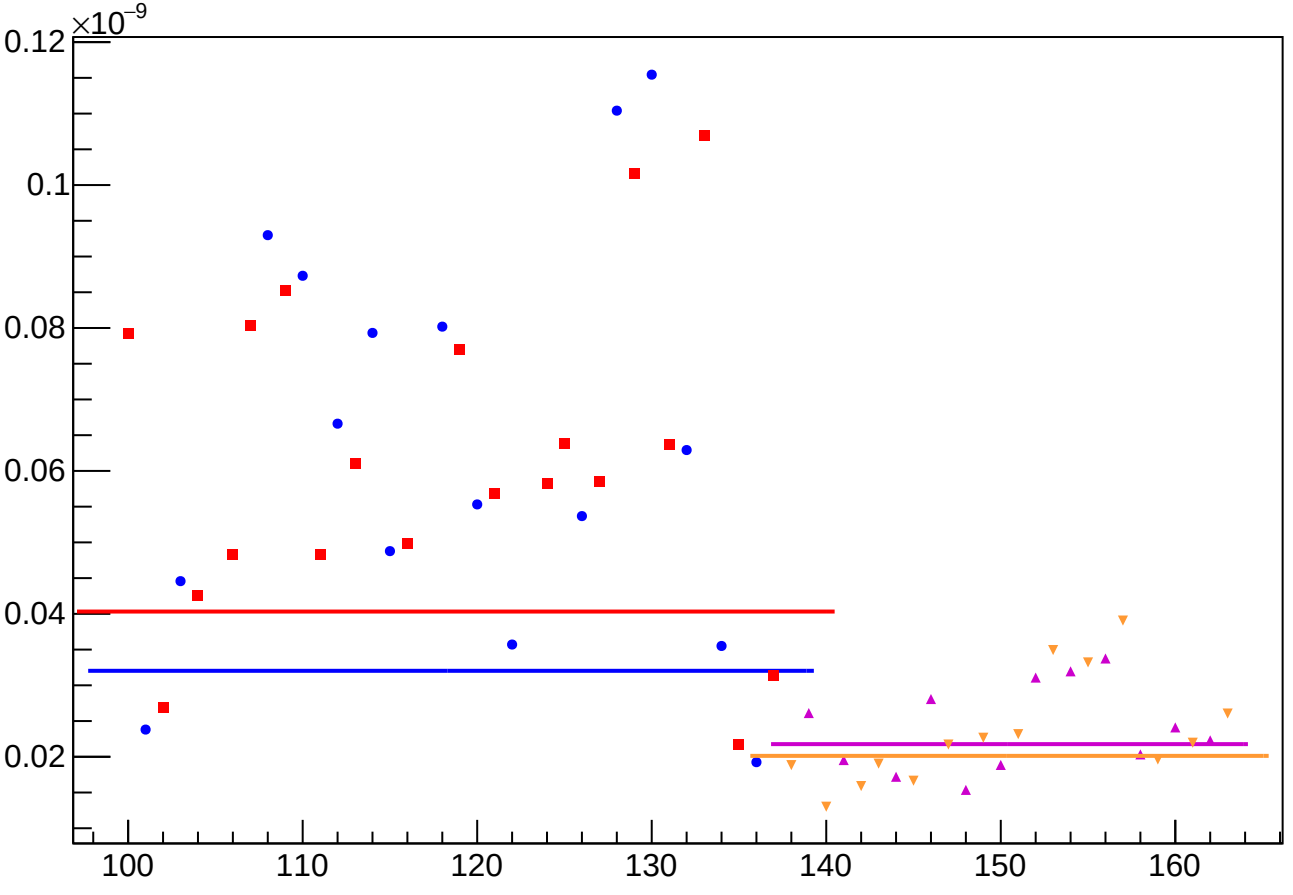
Left In: -0.000+/-0.000 χ^2/NDF:10.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: -0.000+/-0.000 χ^2/NDF: 64.1/60

- sign -0.000+/-0.000 χ^2/NDF: 24.0/30

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130824.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

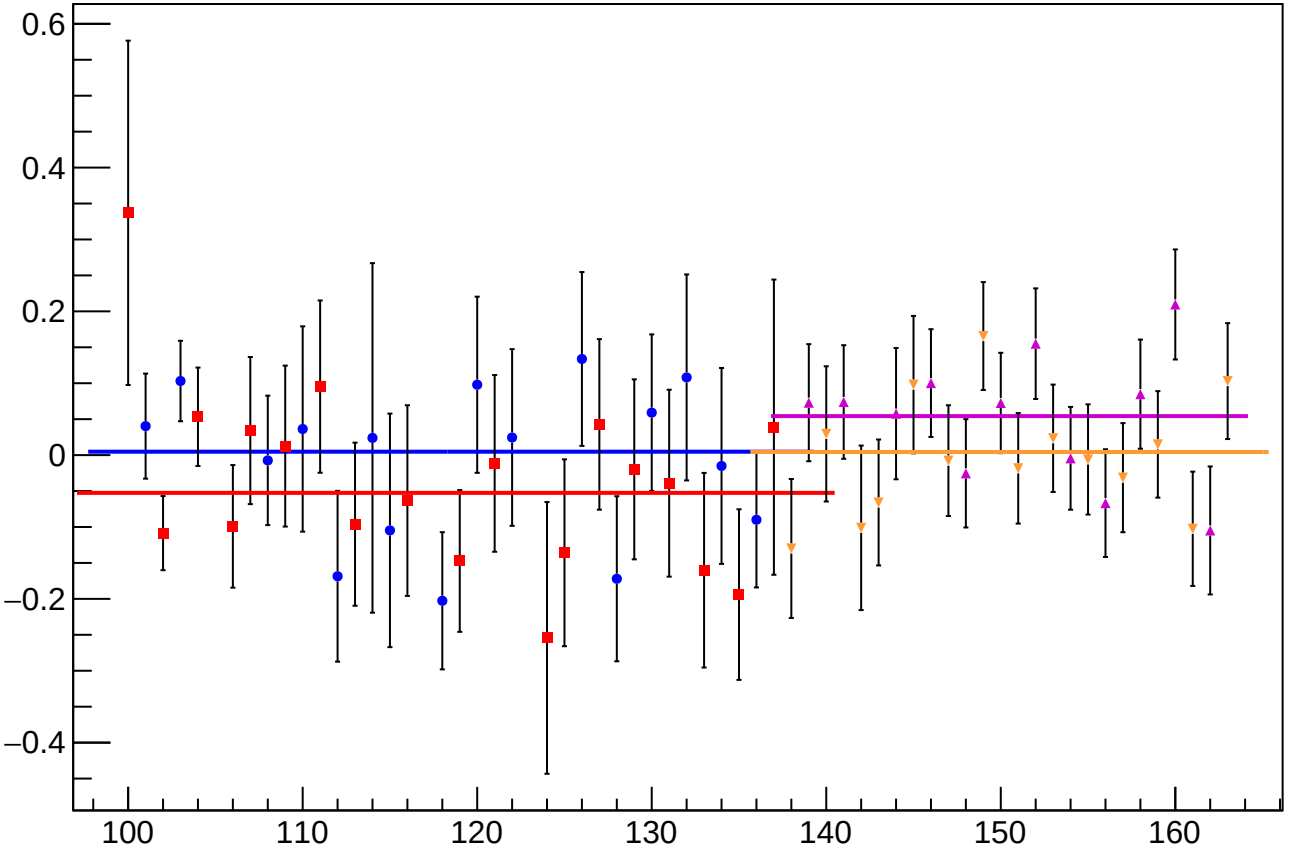
Left In: 0.000+/-0.000 χ^2/NDF:722688.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 4329002.2/29

All: 0.000+/-0.000 χ^2/NDF: 8335001.3/60

- sign 0.000+/-0.000 χ^2/NDF: 3905778.6/30

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+/-0.022 χ^2/NDF:12.8/13

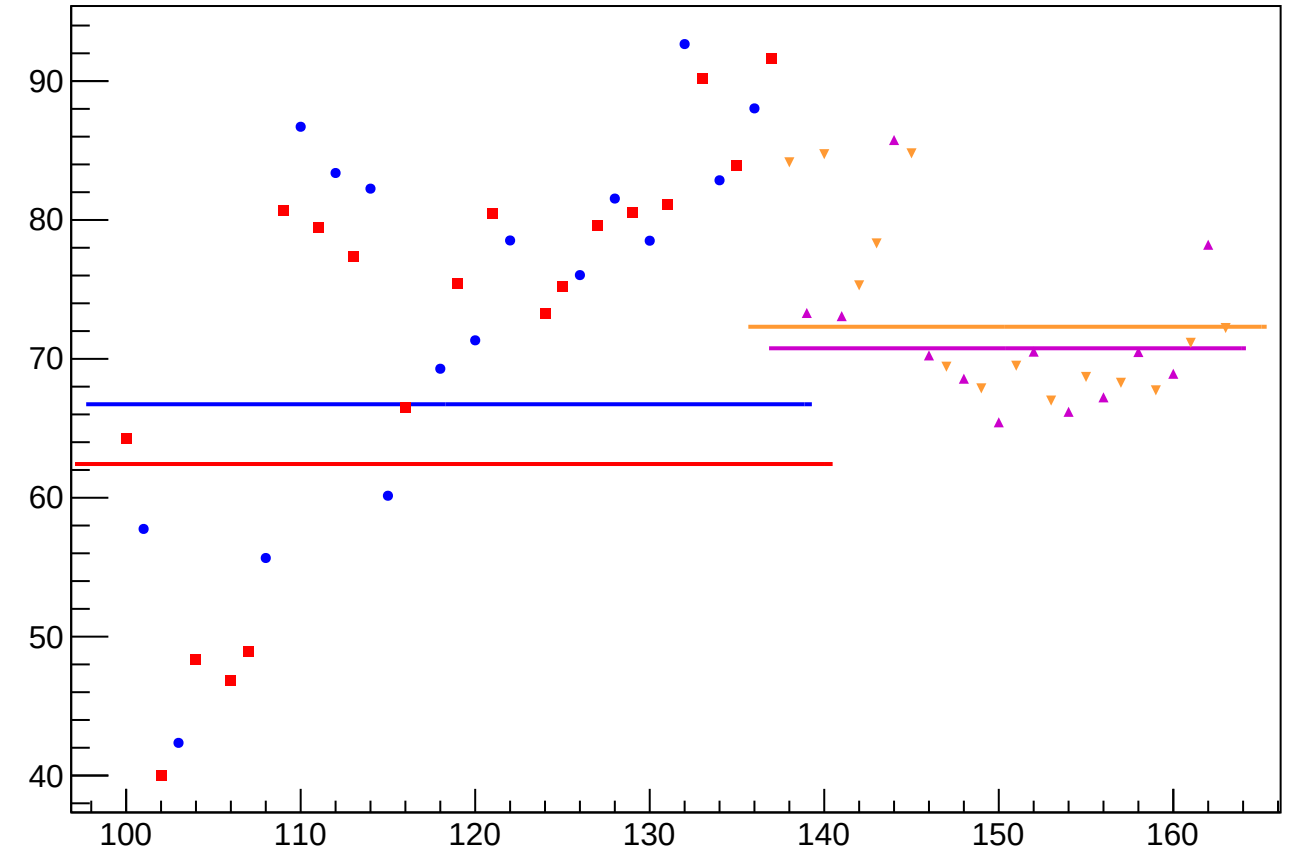
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.054+/-0.022 χ^2/NDF:14.1/11

+ sign 0.004+/-0.017 χ^2/NDF: 29.4/29

All: 0.005+/-0.012 χ^2/NDF: 68.9/60

- sign 0.005+/-0.016 χ^2/NDF: 39.5/30



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.312+/-0.016 χ^2/NDF:150497.0/13

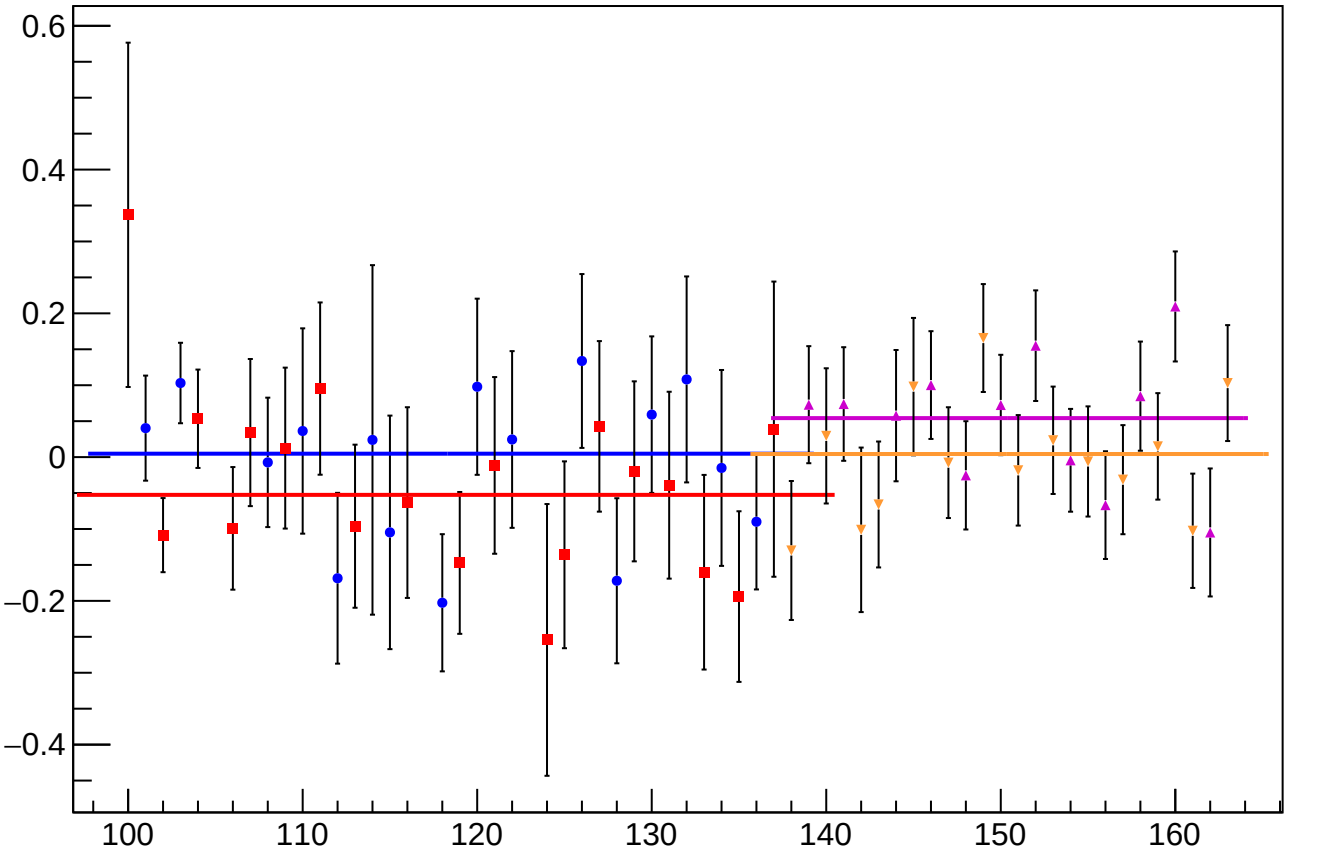
Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.762+/-0.016 χ^2/NDF:98859.1/11

+ sign 69.975+/-0.012 χ^2/NDF: 1021206.0/29

All: 68.406+/-0.008 χ^2/NDF: 2397039.4/60

- sign 66.908+/-0.012 χ^2/NDF: 1341577.9/30



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

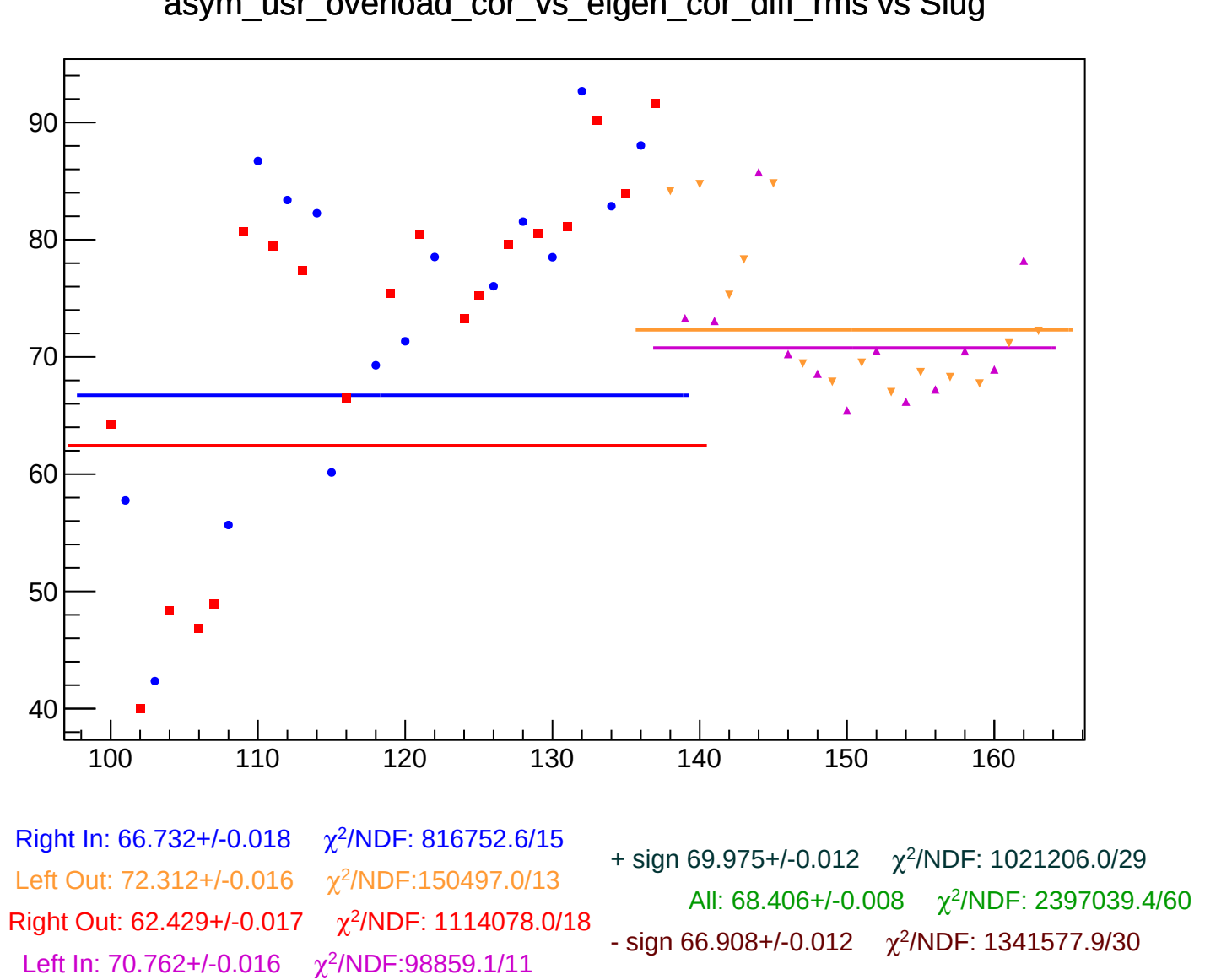
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.054+/-0.022 χ^2/NDF:14.1/11

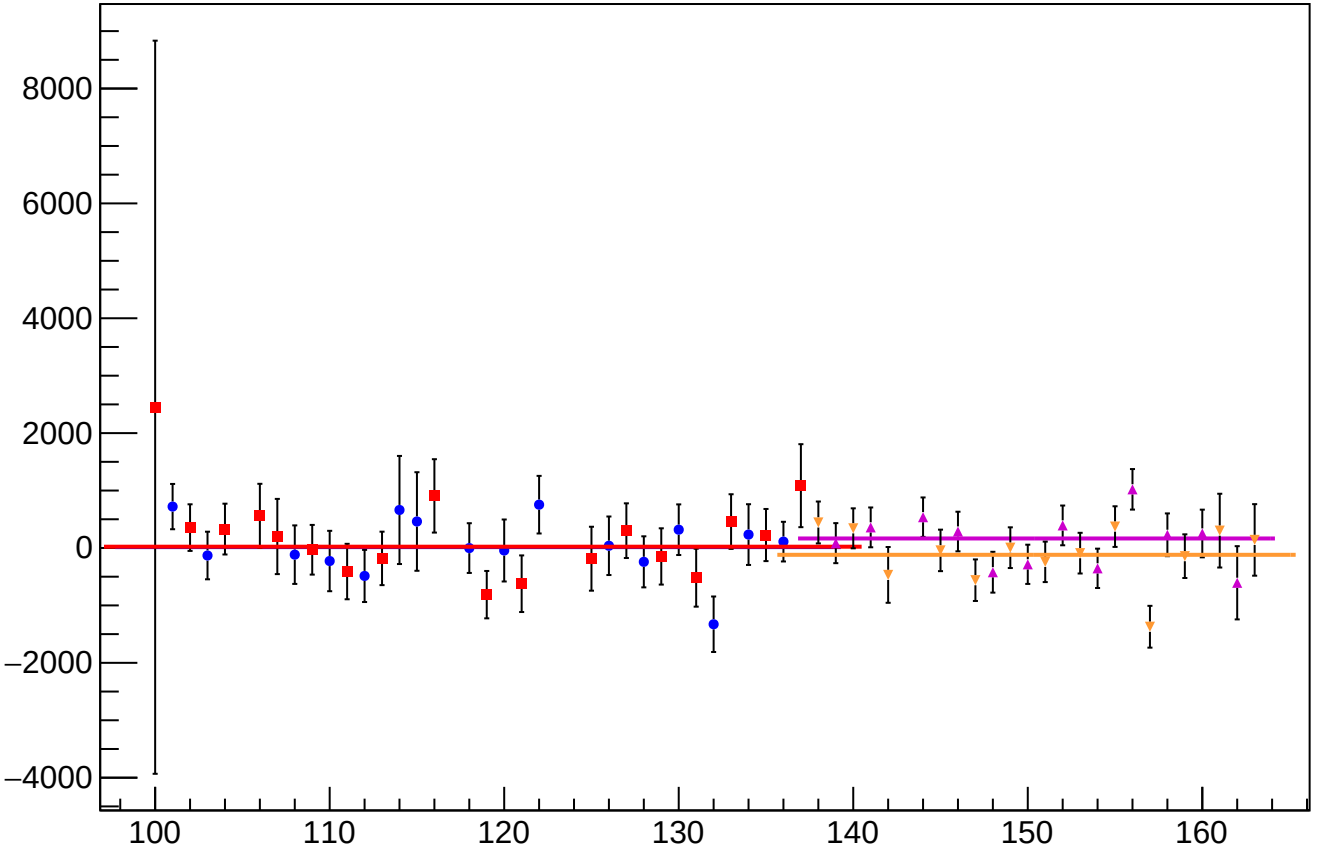
+ sign 0.004+/-0.017 χ^2/NDF: 29.4/29

All: 0.005+/-0.012 χ^2/NDF: 68.9/60

- sign 0.005+/-0.016 χ^2/NDF: 39.5/30


asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 72.312+/-0.016 χ²/NDF:150497.0/13
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 70.762+/-0.016 χ²/NDF:98859.1/11
+ sign 69.975+/-0.012 χ²/NDF: 1021206.0/29
All: 68.406+/-0.008 χ²/NDF: 2397039.4/60
- sign 66.908+/-0.012 χ²/NDF: 1341577.9/30

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -119.036+/-107.359 χ^2/NDF:20.8/12

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

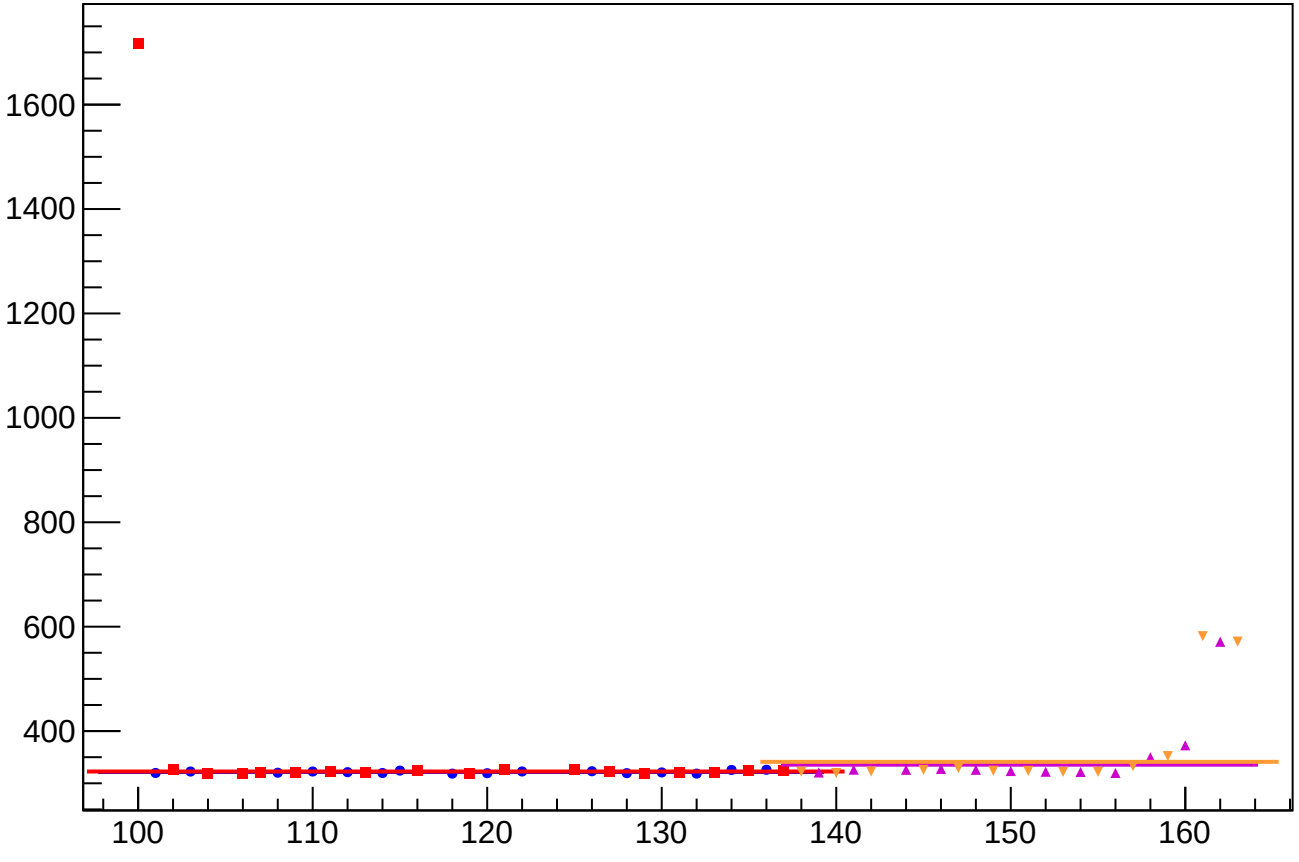
Left In: 165.493+/-105.229 χ^2/NDF:16.3/11

\+ sign -58.901+/-79.842 χ^2/NDF: 38.1/28

All: 22.876+/-56.118 χ^2/NDF: 73.2/58

\- sign 102.715+/-78.891 χ^2/NDF: 33.1/29

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 341.123+/-0.076 χ^2/NDF:599863.2/12

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

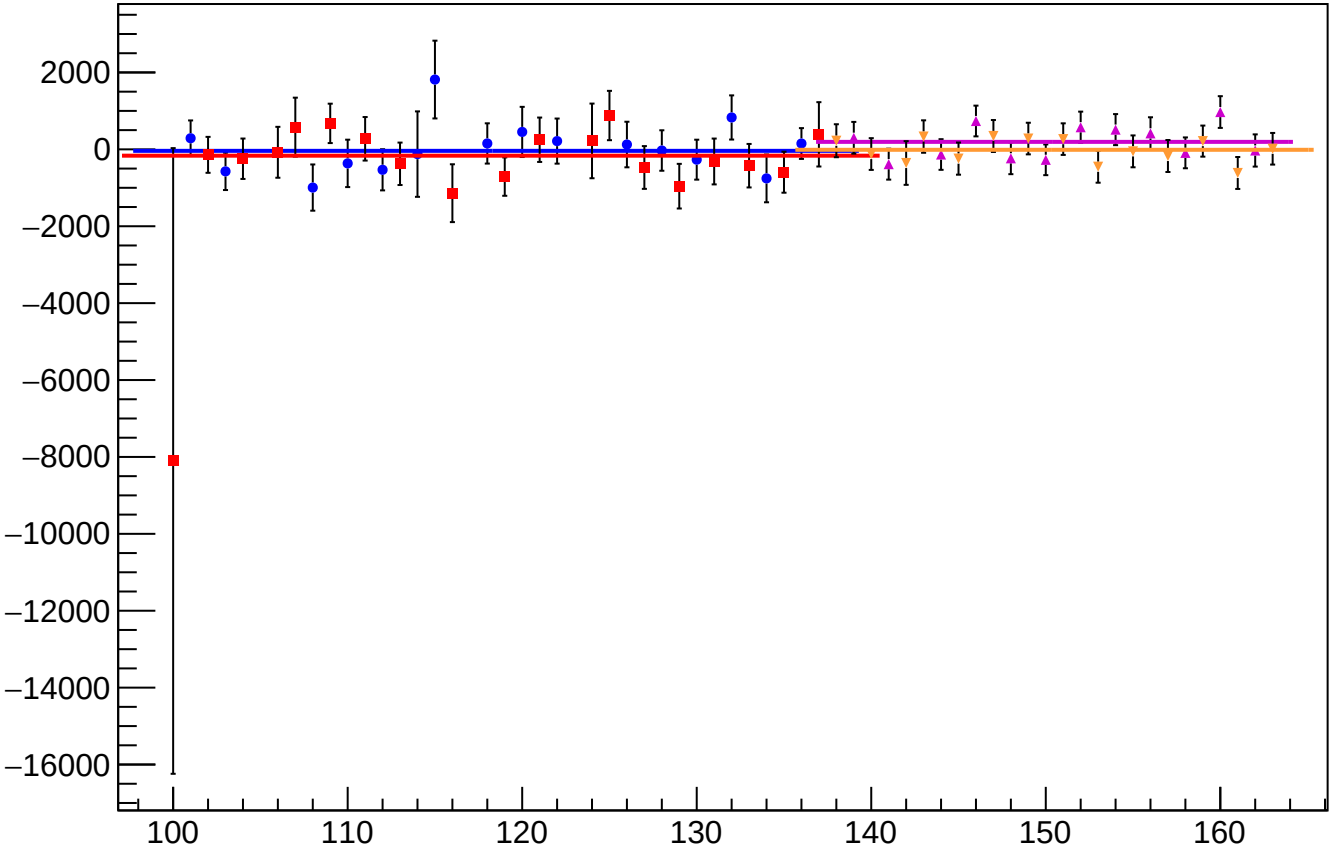
Left In: 335.694+/-0.074 χ^2/NDF:314027.2/11

+ sign 332.399+/-0.056 χ^2/NDF: 630231.4/28

All: 331.154+/-0.040 χ^2/NDF: 1055771.4/58

- sign 329.939+/-0.056 χ^2/NDF: 424578.9/29

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -11.957+/-112.795 χ^2/NDF:7.1/13

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

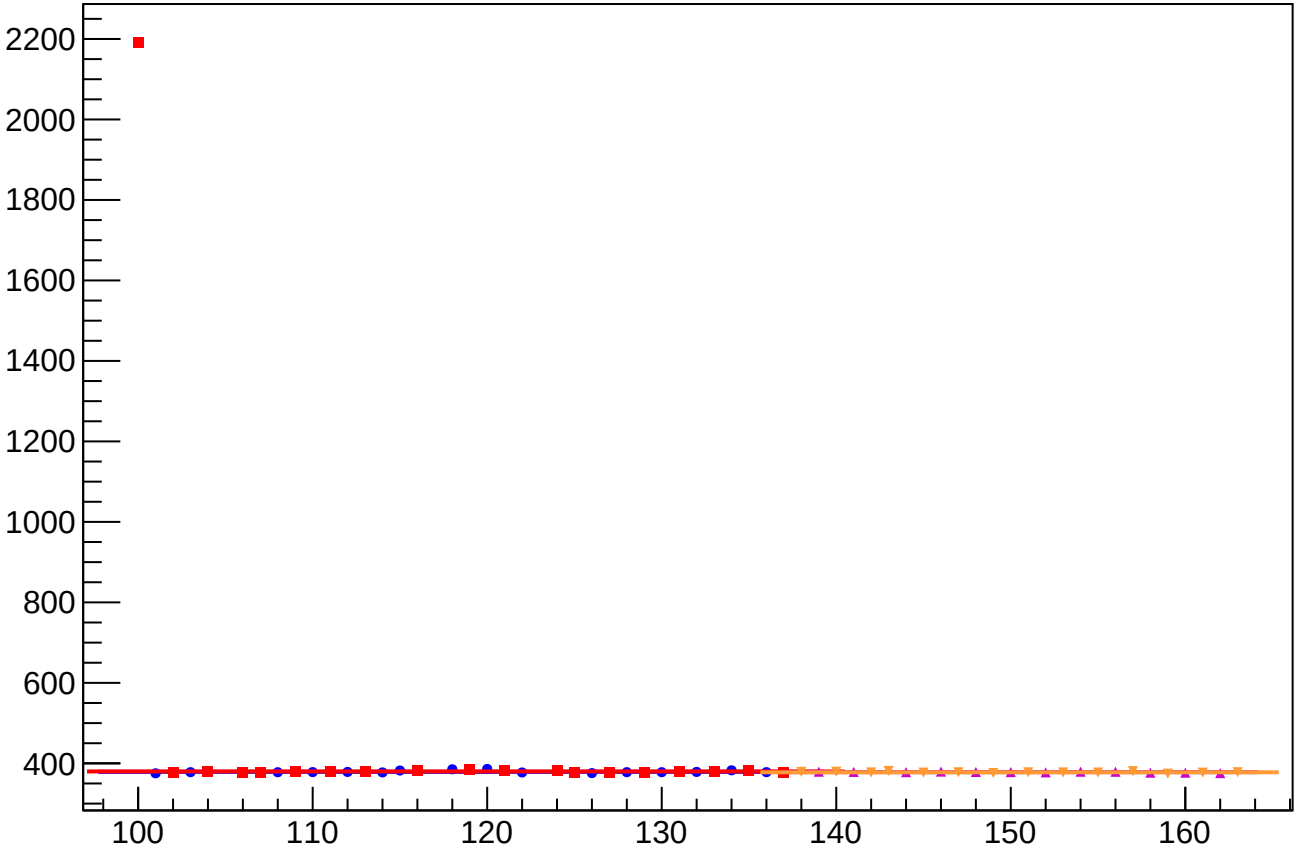
Left In: 194.419+/-117.485 χ^2/NDF:13.2/11

+ sign -22.502+/-88.011 χ^2/NDF: 20.9/29

All: 10.479+/-62.828 χ^2/NDF: 53.4/60

- sign 44.752+/-89.718 χ^2/NDF: 32.2/30

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.745+/-0.080 χ^2/NDF:454.5/13

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

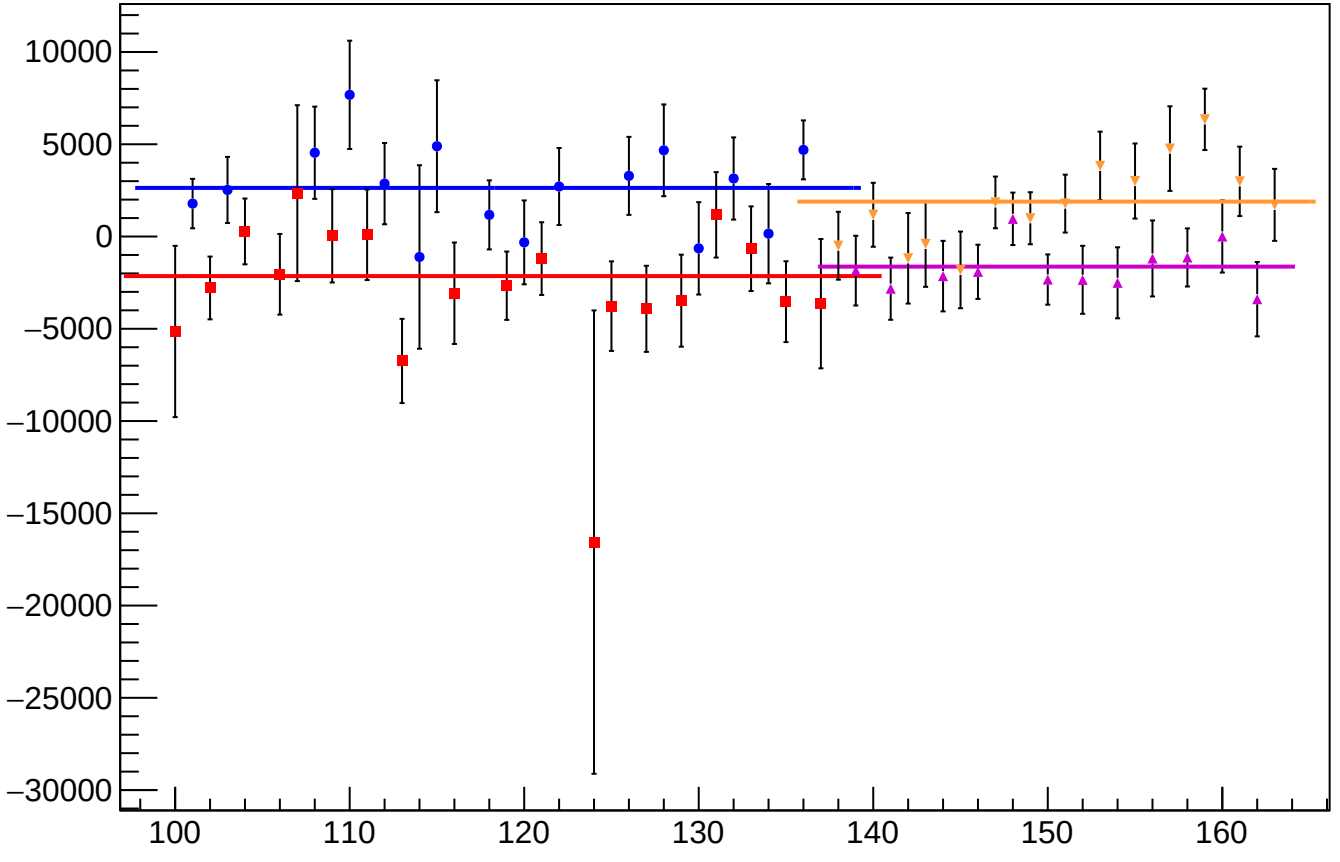
Left In: 378.197+/-0.083 χ^2/NDF:183.4/11

+ sign 378.201+/-0.062 χ^2/NDF: 1389.2/29

All: 378.542+/-0.044 χ^2/NDF: 101426.2/60

- sign 378.898+/-0.063 χ^2/NDF: 99975.5/30

asym_us_agg_avg_mean vs Slug



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

Left Out: 1891.275+/-484.541 χ^2/NDF:18.5/13

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

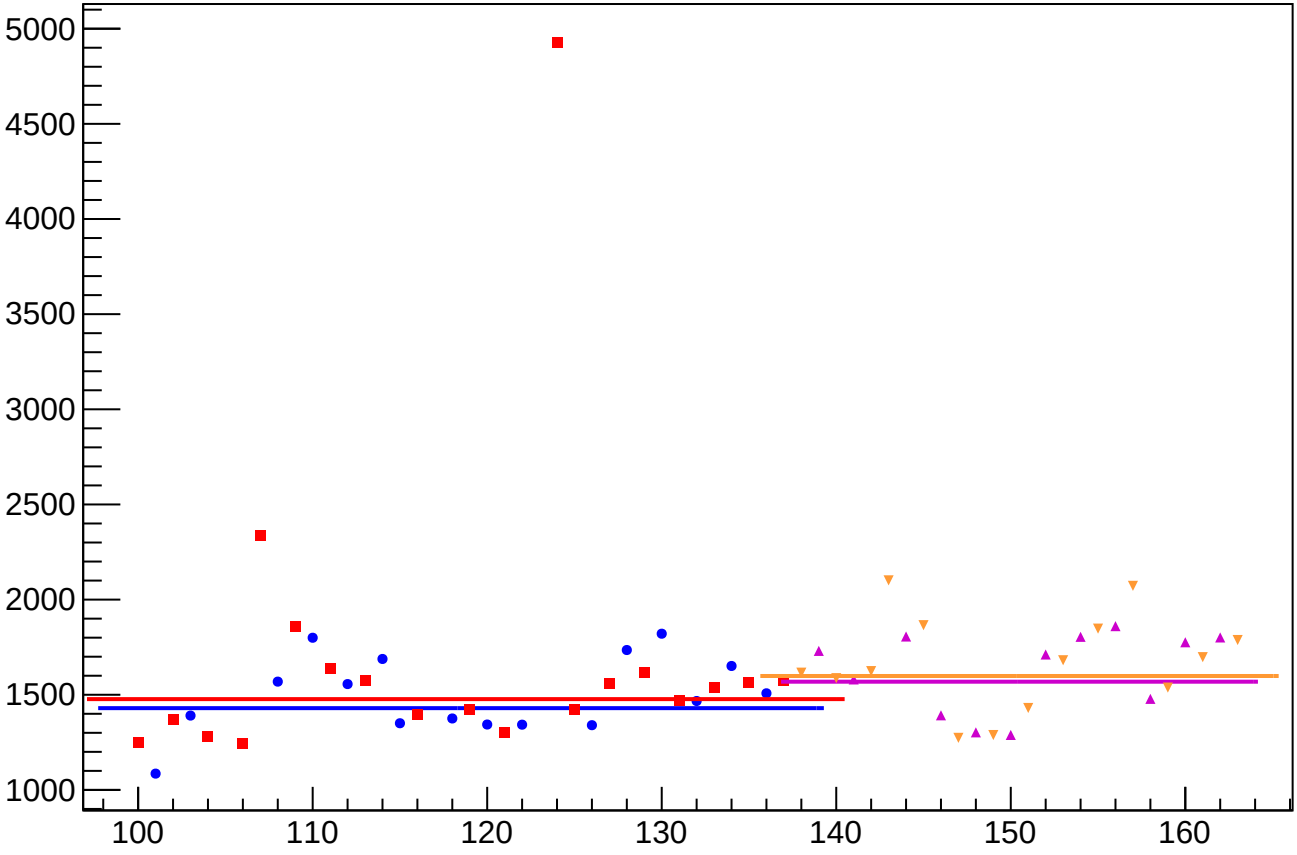
Left In: -1631.222+/-492.867 χ^2/NDF:6.2/11

+ sign 2224.515+/-360.053 χ^2/NDF: 31.8/29

All: 215.901+/-256.723 χ^2/NDF: 116.8/60

- sign -1861.261+/-366.145 χ^2/NDF: 21.7/30

asym_us_agg_avg_rms vs Slug



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

Left Out: 1598.629+/-0.343 χ^2/NDF:500530.7/13

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

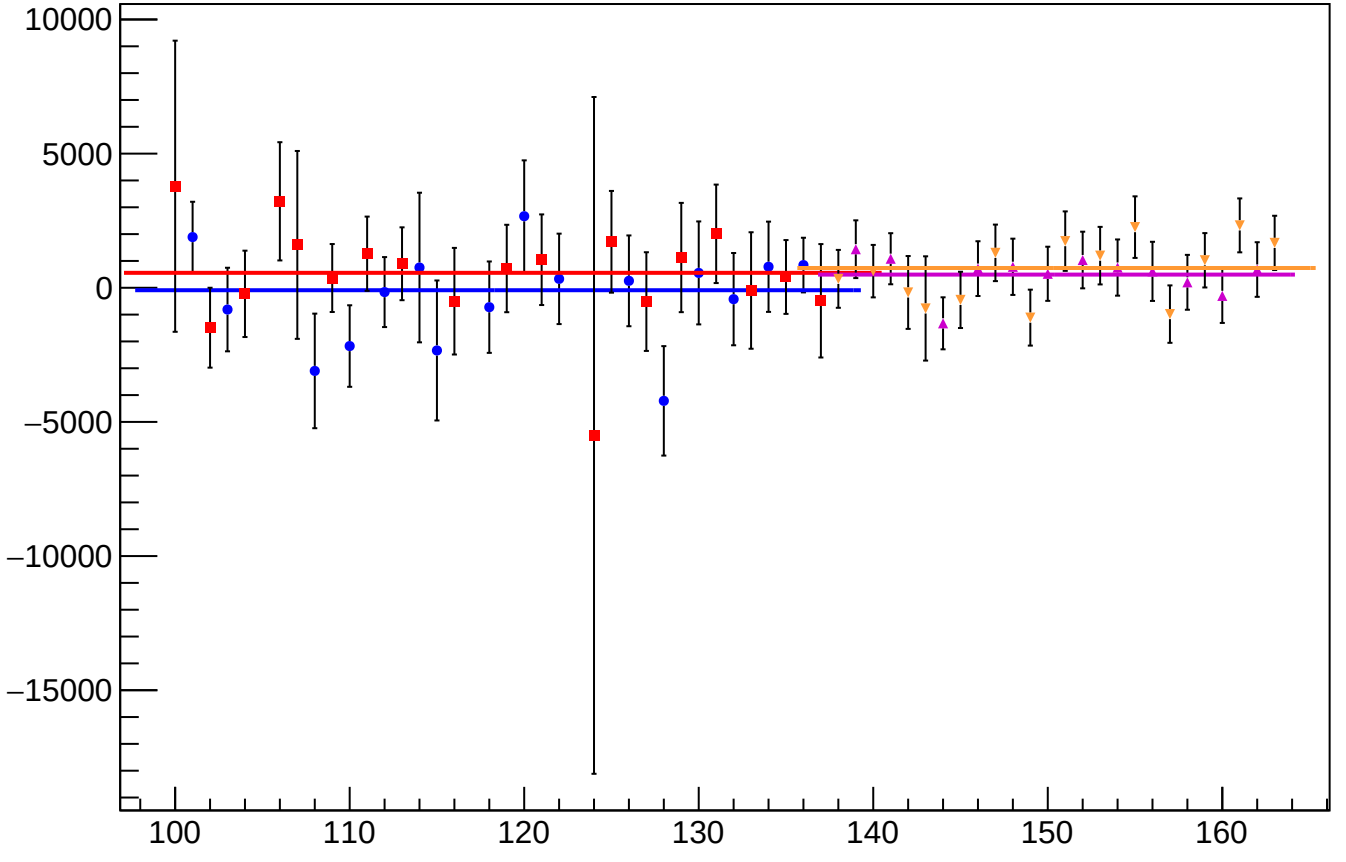
Left In: 1568.640+/-0.349 χ^2/NDF:367078.0/11

+ sign 1522.957+/-0.255 χ^2/NDF: 902844.8/29

All: 1525.255+/-0.182 χ^2/NDF: 1670417.5/60

- sign 1527.631+/-0.259 χ^2/NDF: 767407.1/30

asym_us_agg_dd_mean vs Slug



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

Left Out: 737.060+/-292.335 χ^2/NDF:14.7/13

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

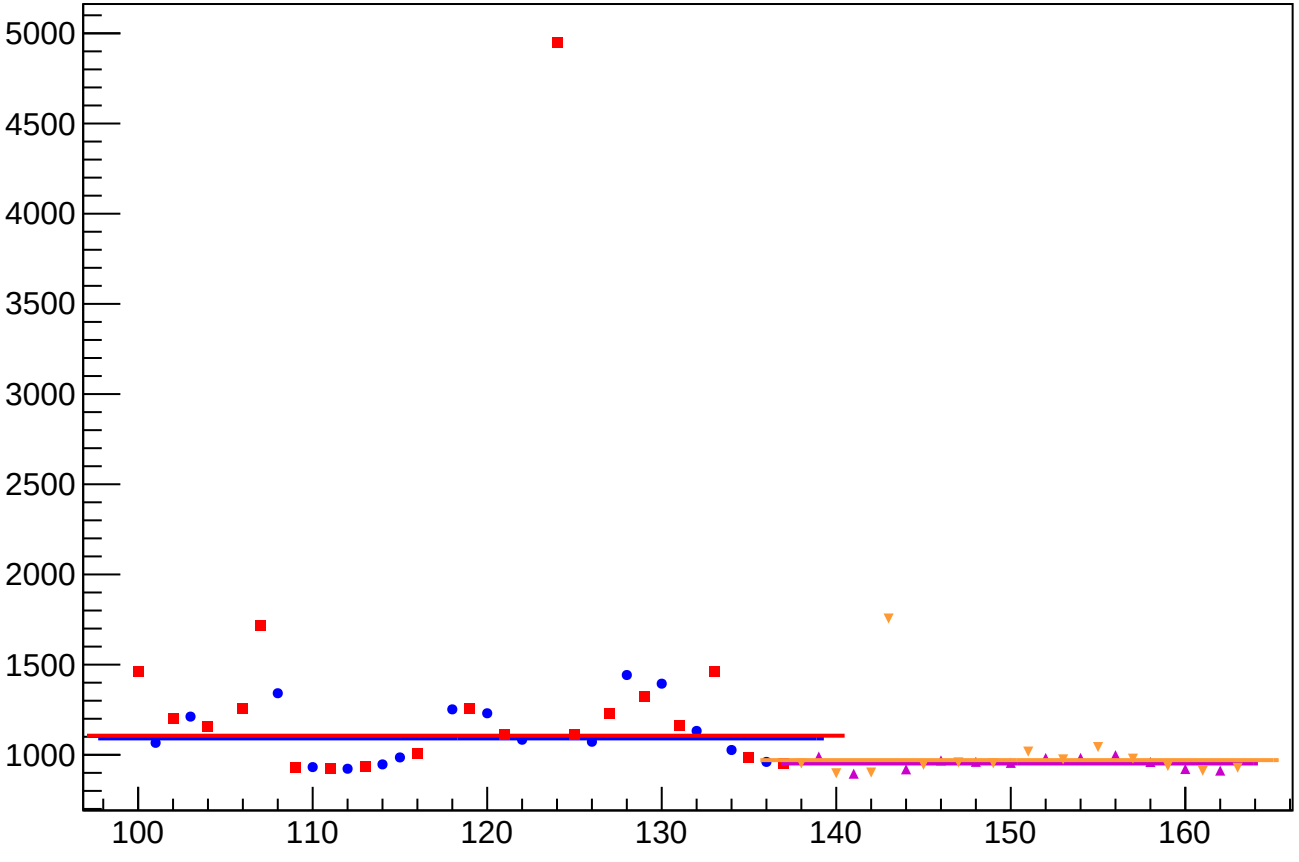
Left In: 491.002+/-295.939 χ^2/NDF:5.9/11

+ sign 457.829+/-238.018 χ^2/NDF: 31.9/29

All: 485.386+/-169.080 χ^2/NDF: 44.6/60

- sign 513.457+/-240.228 χ^2/NDF: 12.6/30

asym_us_agg_dd_rms vs Slug



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

Left Out: 970.599+/-0.207 χ^2/NDF:369379.8/13

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

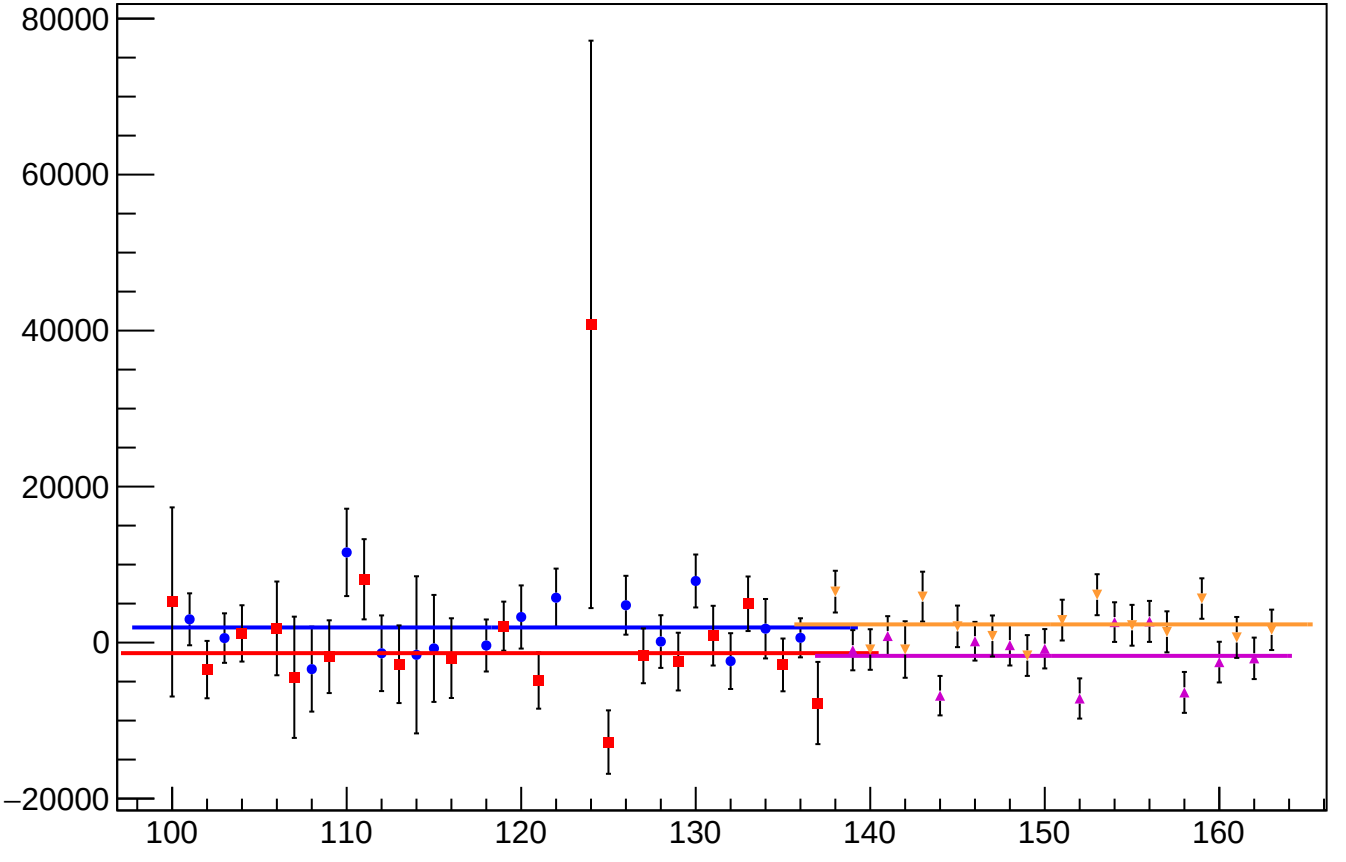
Left In: 951.916+/-0.209 χ^2/NDF:24474.9/11

+ sign 1011.198+/-0.168 χ^2/NDF: 761121.9/29

All: 1007.872+/-0.120 χ^2/NDF: 1485509.2/60

- sign 1004.484+/-0.170 χ^2/NDF: 723599.0/30

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.081+/-722.106 χ^2/NDF:13.1/13

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

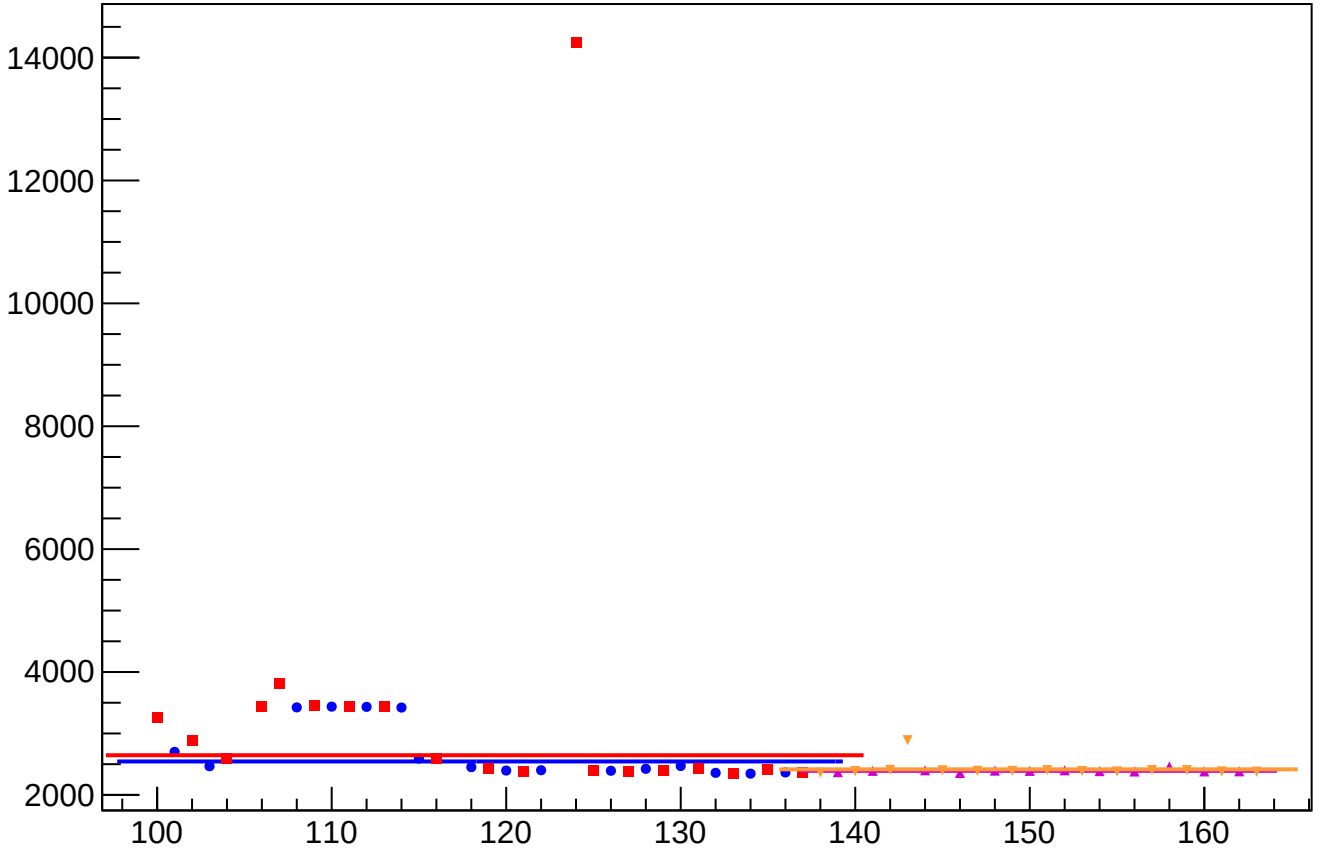
Left In: -1702.487+/-743.026 χ^2/NDF:19.6/11

+ sign 2189.498+/-575.443 χ^2/NDF: 25.4/29

All: 364.017+/-413.038 χ^2/NDF: 87.7/60

- sign -1575.915+/-593.208 χ^2/NDF: 41.5/30

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.8/13

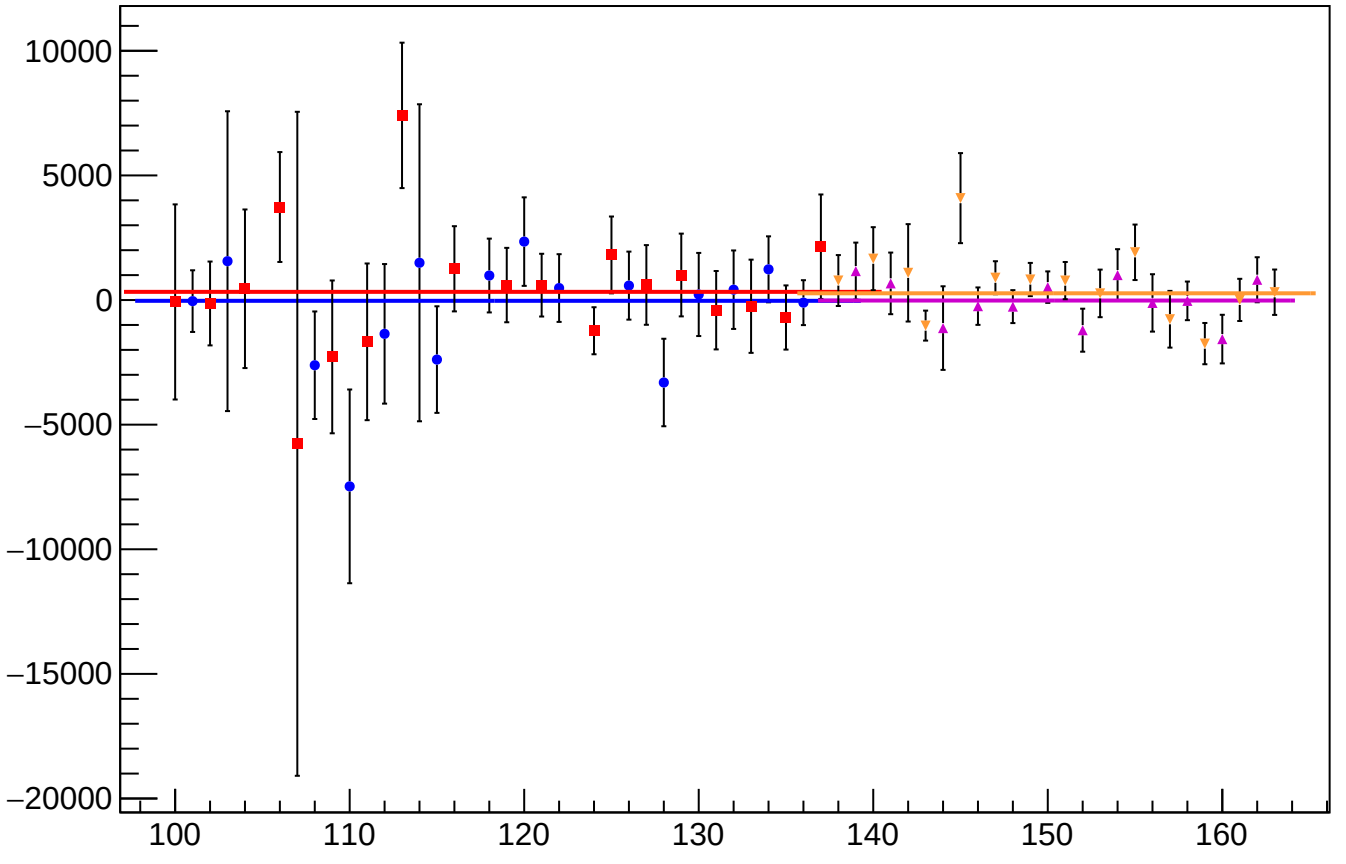
Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2473.017+/-0.292 χ^2/NDF: 920663.4/60

- sign 2483.907+/-0.419 χ^2/NDF: 623736.8/30



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 270.405+/-235.833 χ^2/NDF:21.9/13

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

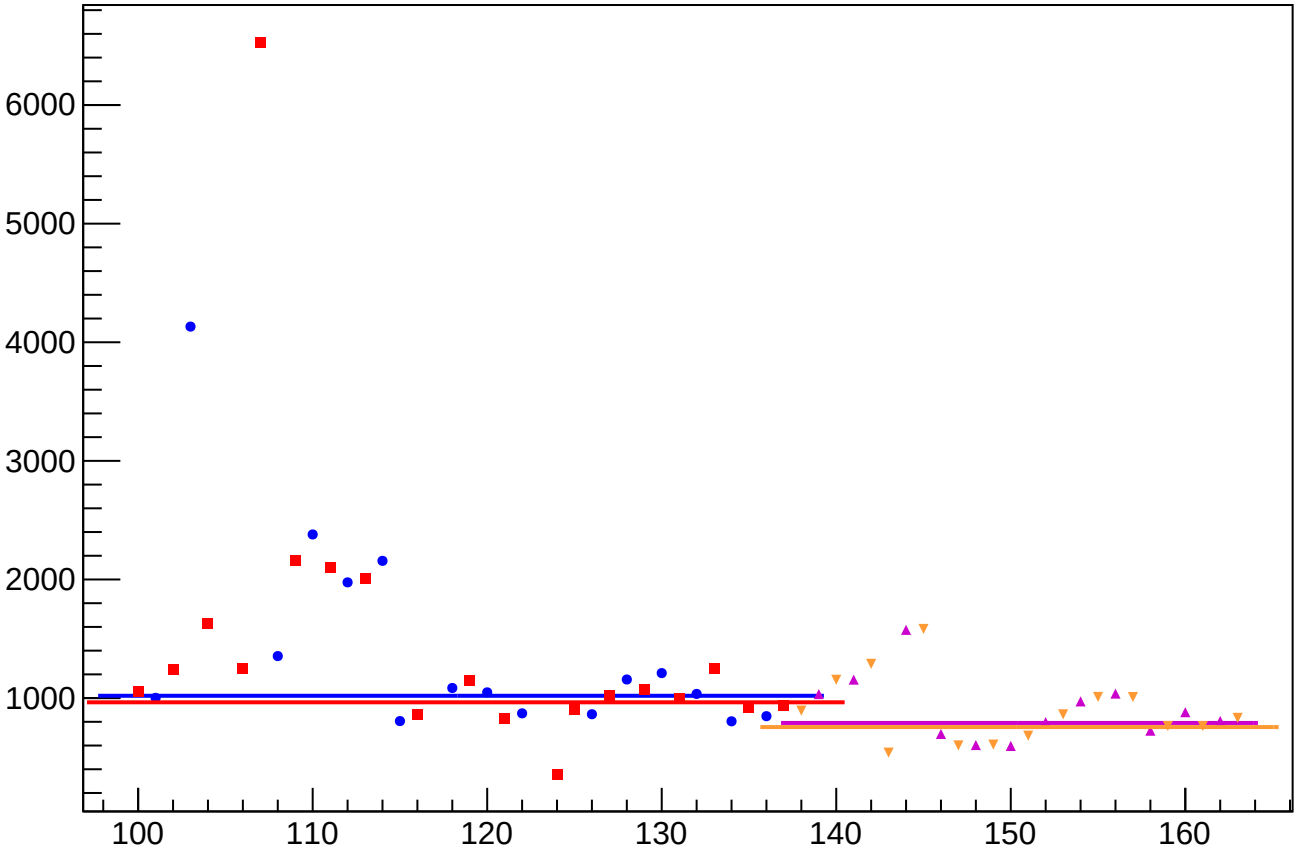
Left In: -19.691+/-255.553 χ^2/NDF:9.0/11

+ sign 194.240+/-203.891 χ^2/NDF: 36.1/29

All: 141.007+/-147.986 χ^2/NDF: 61.4/60

- sign 81.743+/-215.130 χ^2/NDF: 25.2/30

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 755.648+/-0.167 χ^2/NDF:1531057.7/13

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

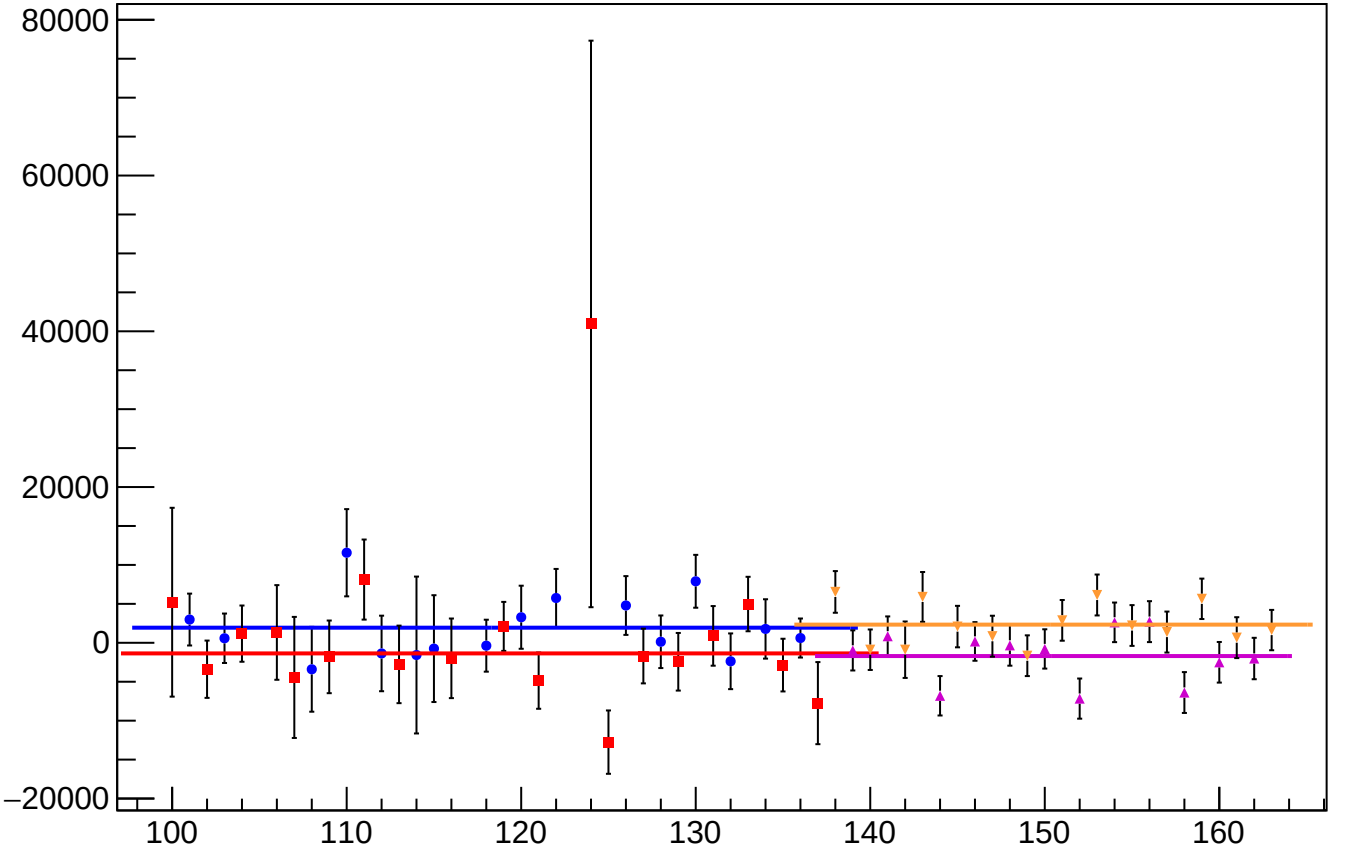
Left In: 790.429+/-0.181 χ^2/NDF:1267277.0/11

\+ sign 822.287+/-0.144 χ^2/NDF: 3528138.5/29

All: 831.193+/-0.105 χ^2/NDF: 7382807.7/60

\- sign 841.107+/-0.152 χ^2/NDF: 3846606.0/30

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

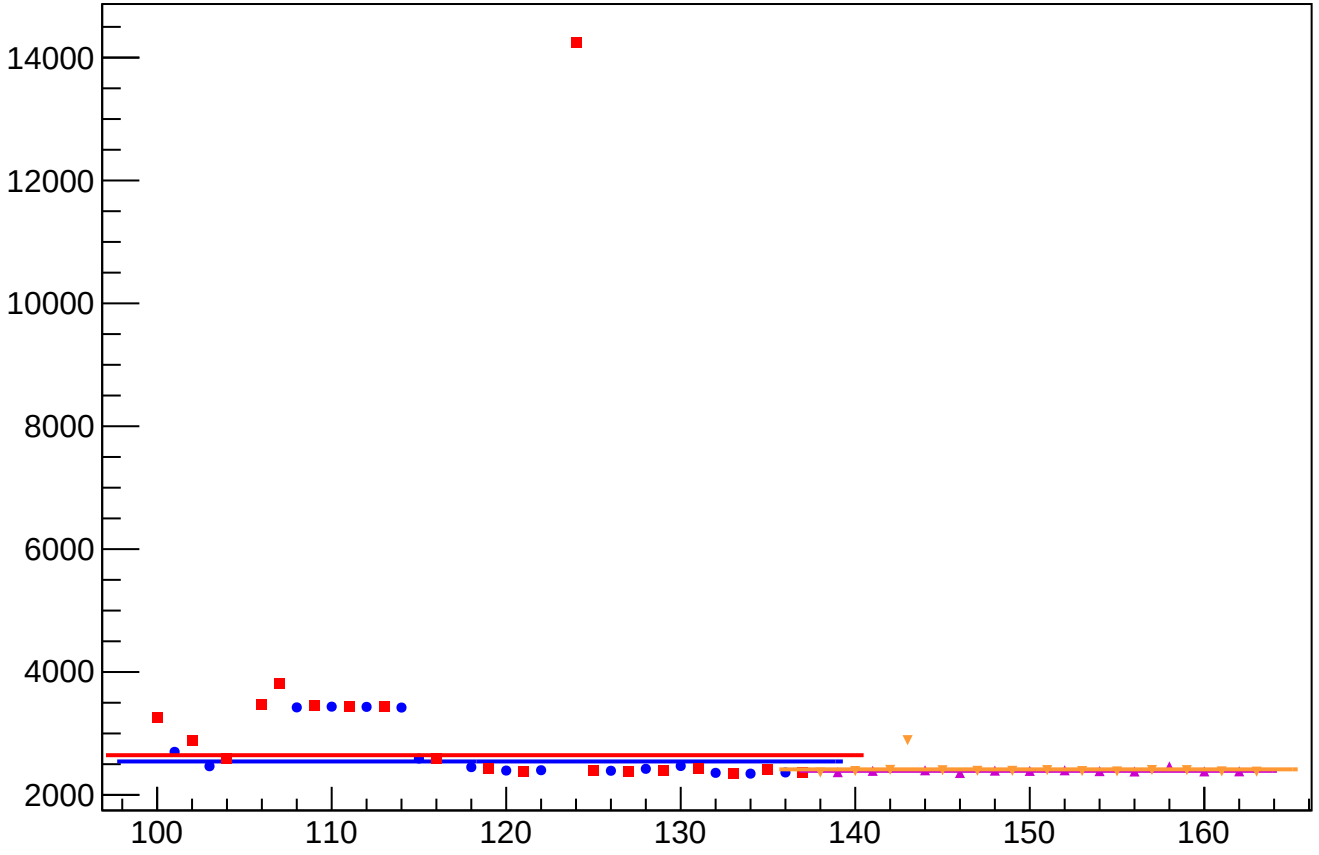
Left In: -1702.605+/-743.026 χ^2/NDF:19.6/11

+ sign 2189.577+/-575.443 χ^2/NDF: 25.4/29

All: 362.508+/-413.060 χ^2/NDF: 87.6/60

- sign -1579.542+/-593.274 χ^2/NDF: 41.4/30

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

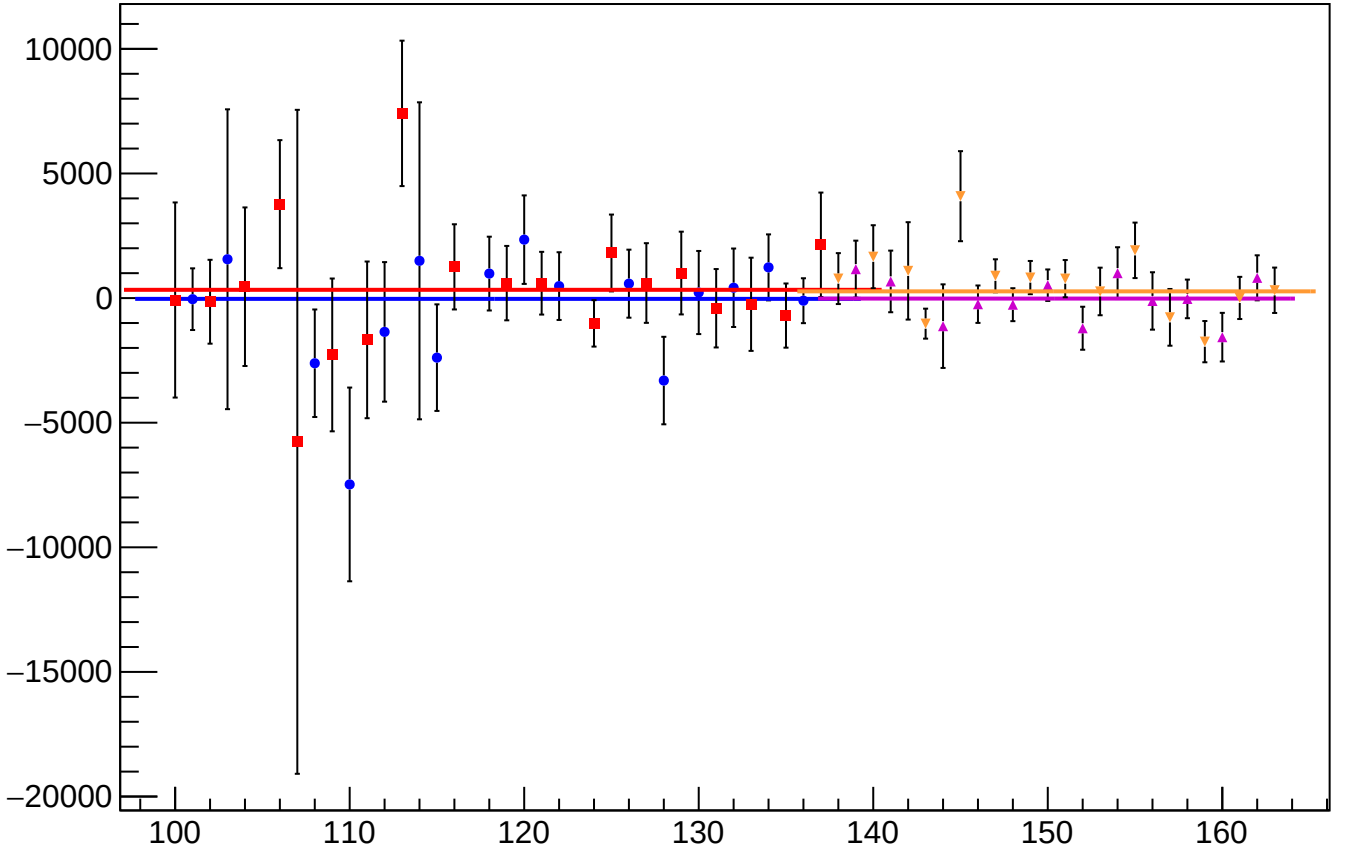
Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2473.096+/-0.292 χ^2/NDF: 923603.7/60

- sign 2484.073+/-0.420 χ^2/NDF: 626656.6/30

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

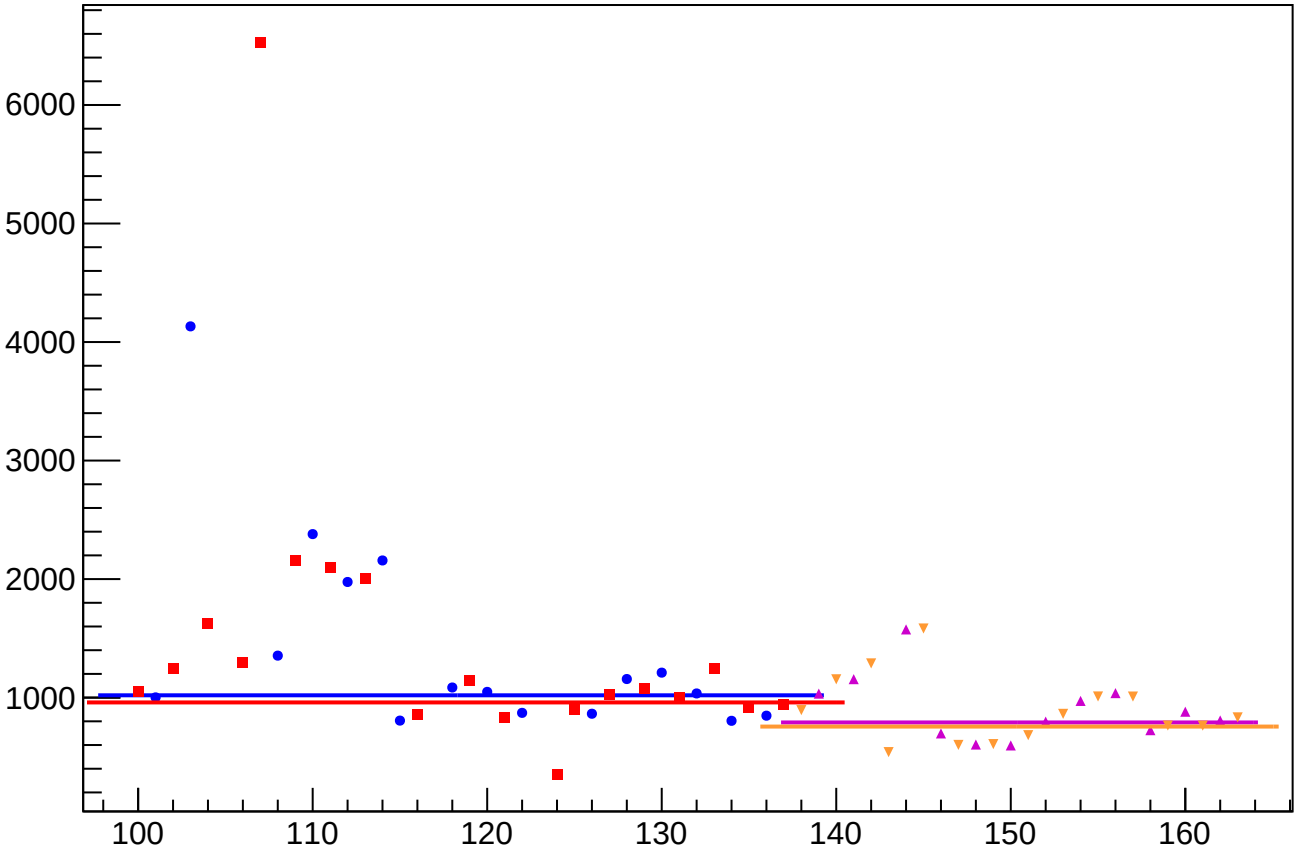
Left In: -19.793+/-255.553 χ^2/NDF:9.0/11

+ sign 194.170+/-203.893 χ^2/NDF: 36.1/29

All: 141.315+/-148.026 χ^2/NDF: 60.1/60

- sign 82.408+/-215.250 χ^2/NDF: 24.0/30

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

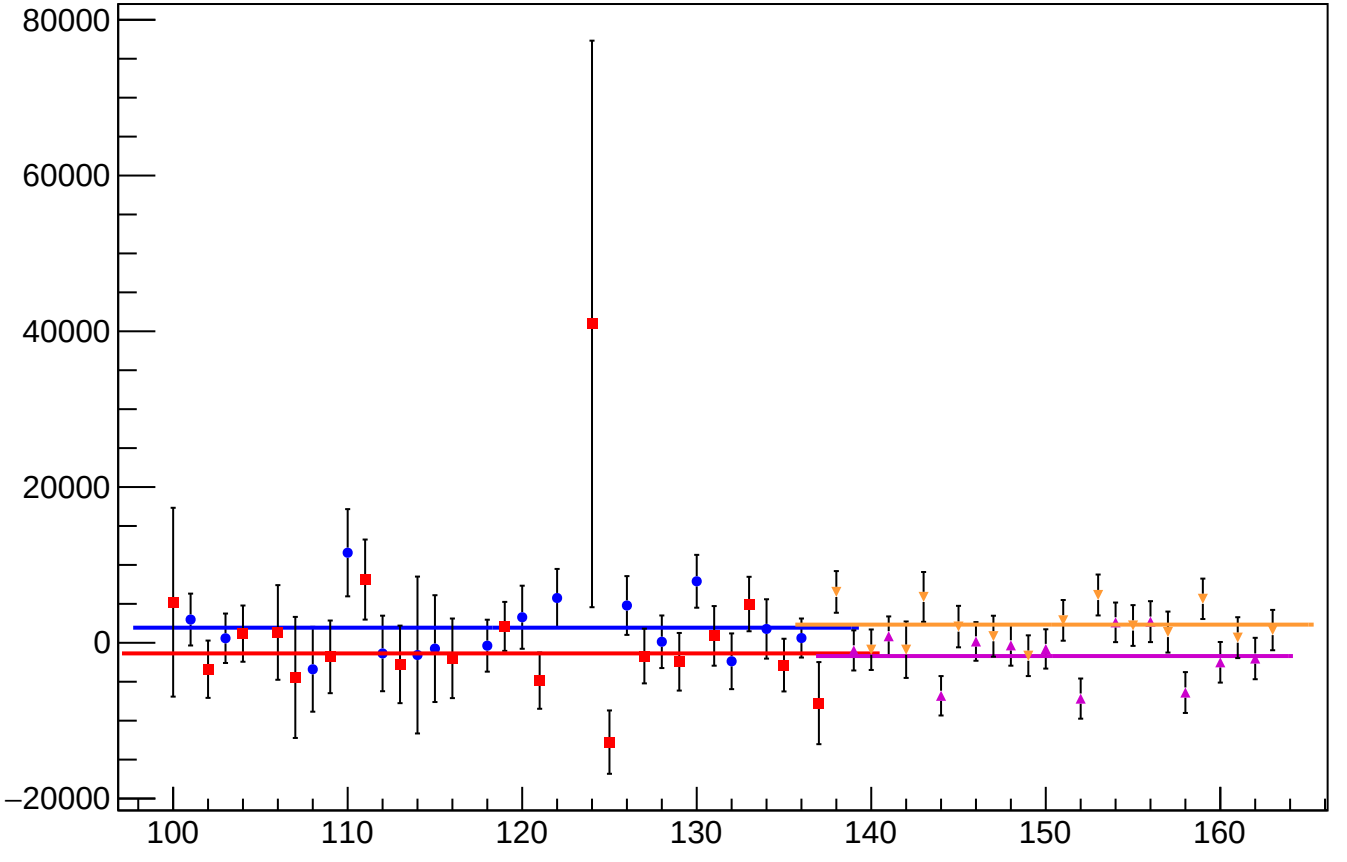
Left In: 790.428+/-0.181 χ^2/NDF:1267395.3/11

+ sign 822.297+/-0.144 χ^2/NDF: 3528018.4/29

All: 830.435+/-0.105 χ^2/NDF: 7400462.7/60

- sign 839.506+/-0.152 χ^2/NDF: 3865706.2/30

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

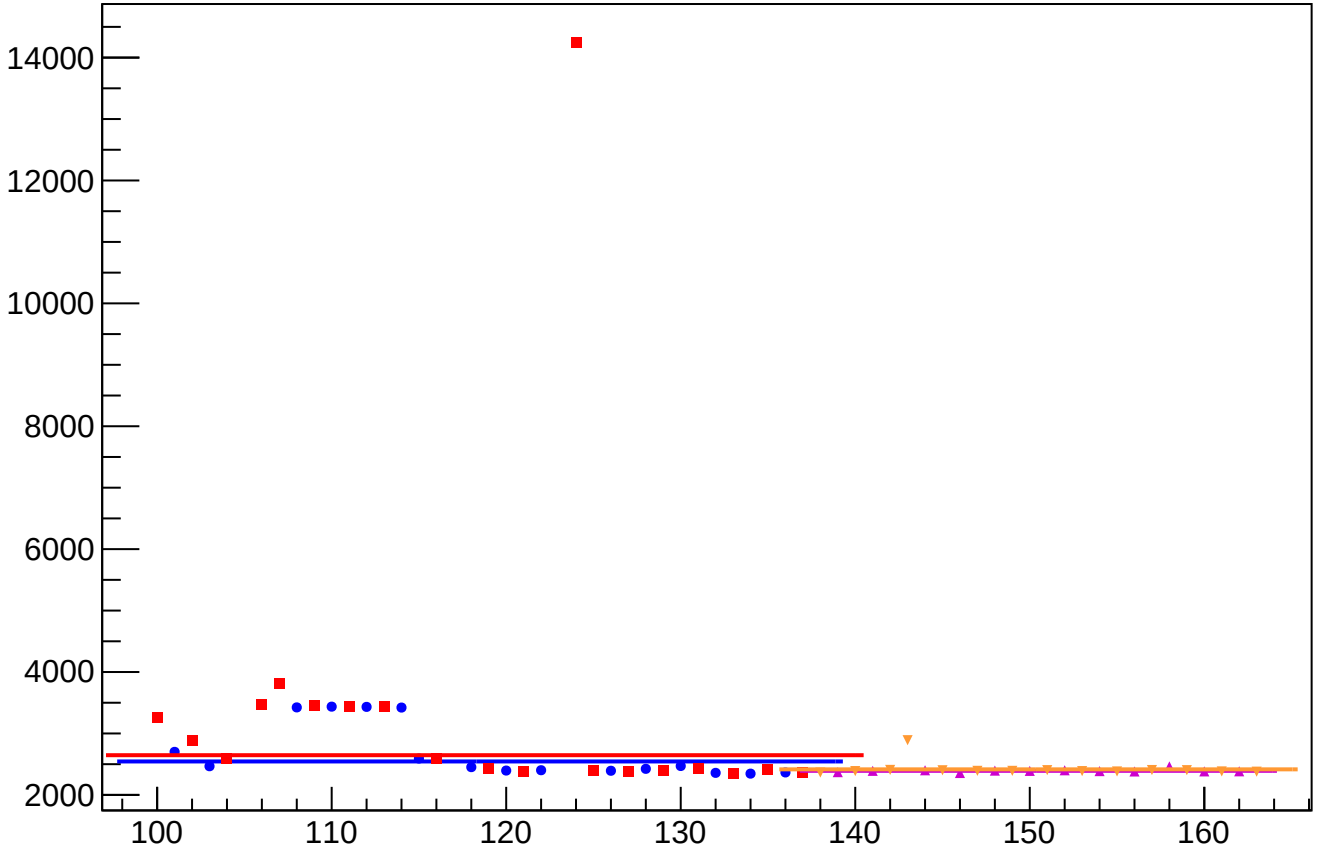
Left In: -1702.605+/-743.026 χ^2/NDF:19.6/11

+ sign 2189.577+/-575.443 χ^2/NDF: 25.4/29

All: 362.508+/-413.060 χ^2/NDF: 87.6/60

- sign -1579.542+/-593.274 χ^2/NDF: 41.4/30

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

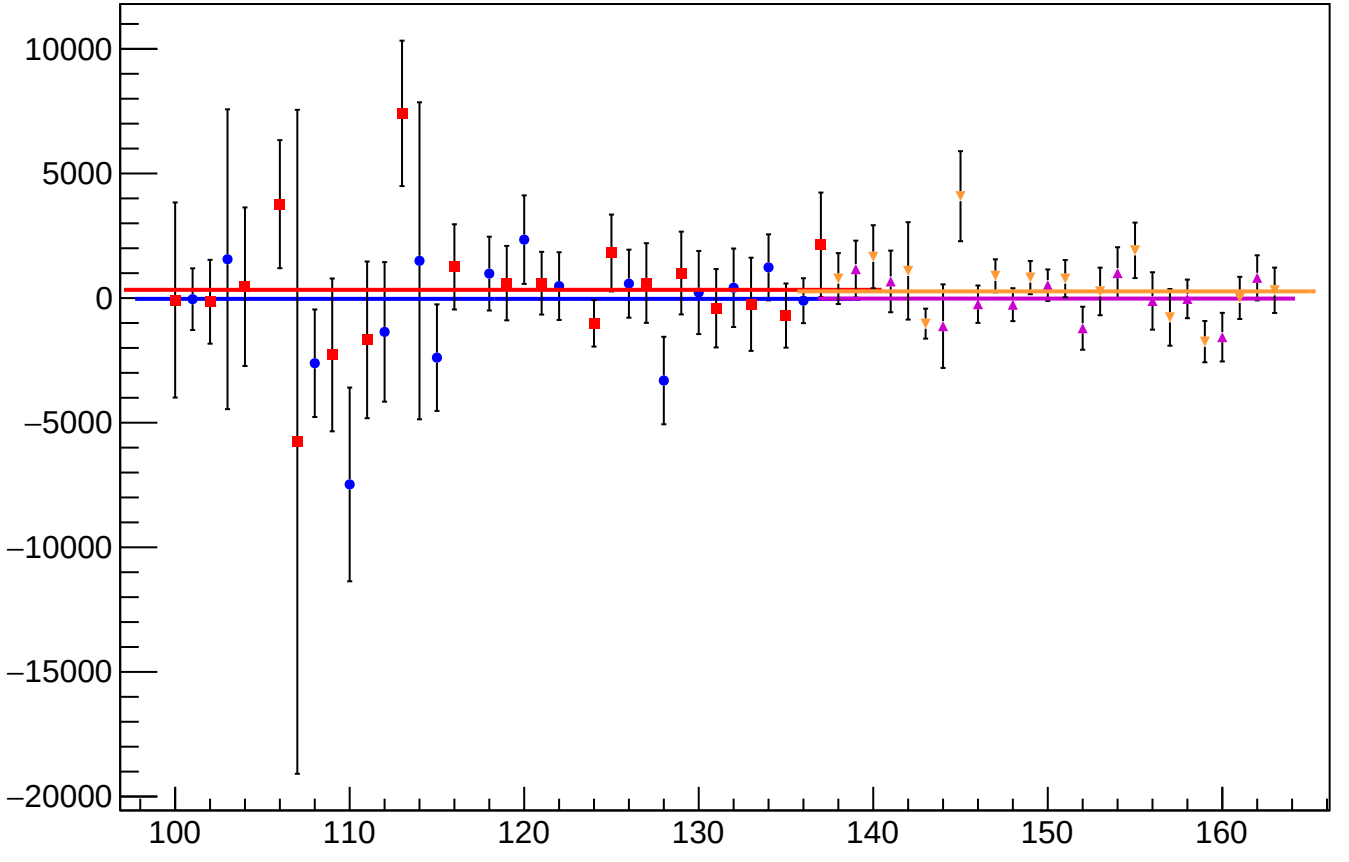
Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

+ sign 2462.768+/-0.407 χ^2/NDF: 295618.1/29

All: 2473.096+/-0.292 χ^2/NDF: 923603.7/60

- sign 2484.073+/-0.420 χ^2/NDF: 626656.6/30

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

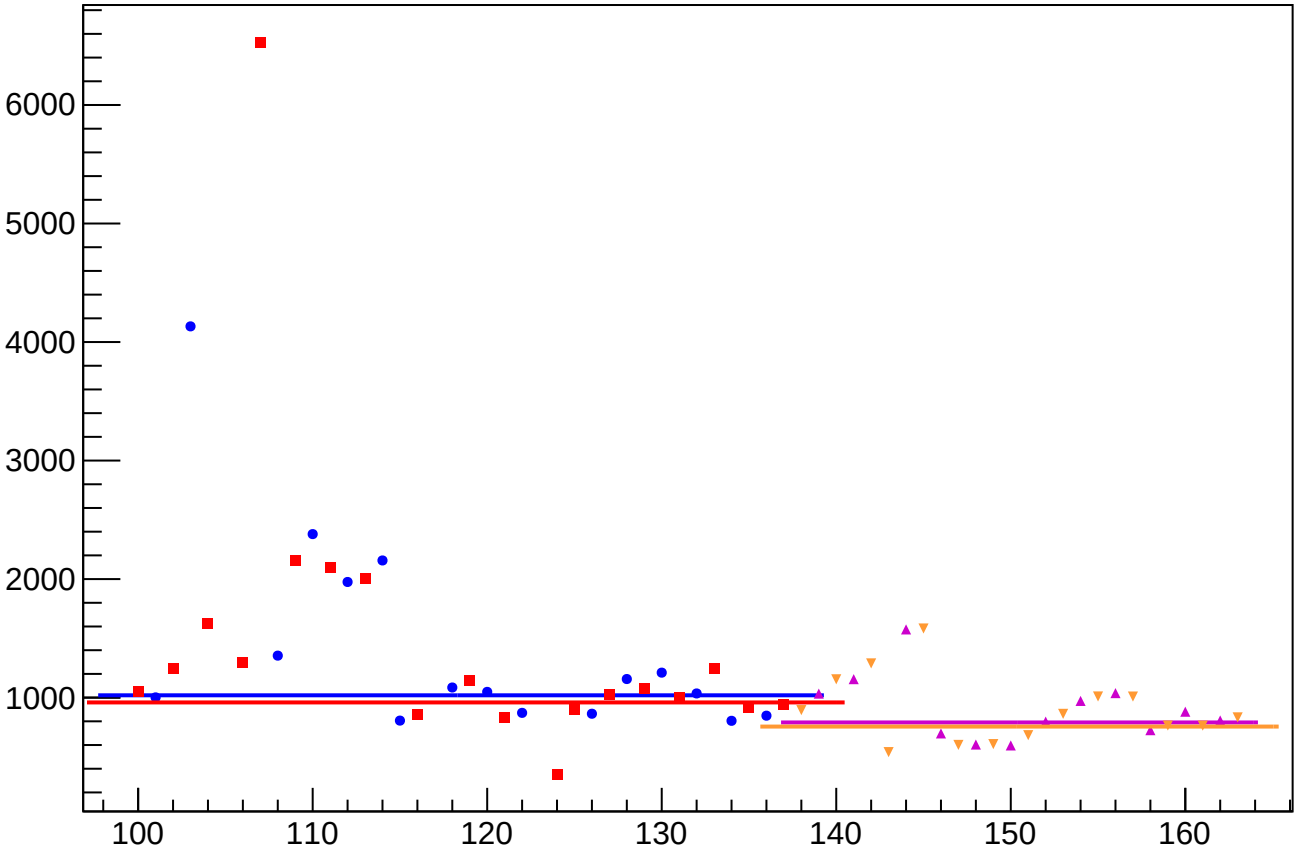
Left In: -19.793+/-255.553 χ^2/NDF:9.0/11

+ sign 194.170+/-203.893 χ^2/NDF: 36.1/29

All: 141.315+/-148.026 χ^2/NDF: 60.1/60

- sign 82.408+/-215.250 χ^2/NDF: 24.0/30

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

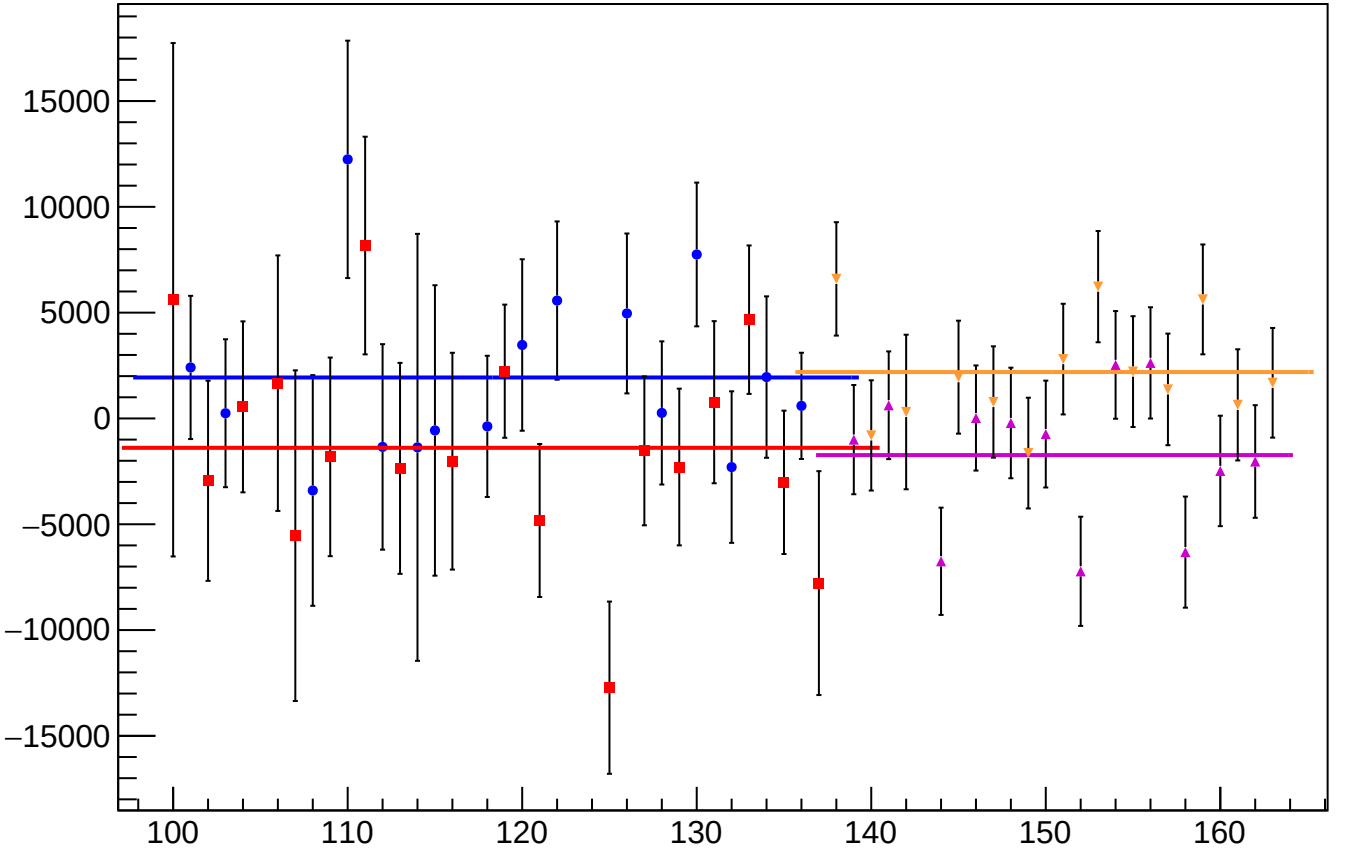
Left In: 790.428+/-0.181 χ^2/NDF:1267395.3/11

\+ sign 822.297+/-0.144 χ^2/NDF: 3528018.4/29

All: 830.435+/-0.105 χ^2/NDF: 7400462.7/60

\- sign 839.506+/-0.152 χ^2/NDF: 3865706.2/30

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

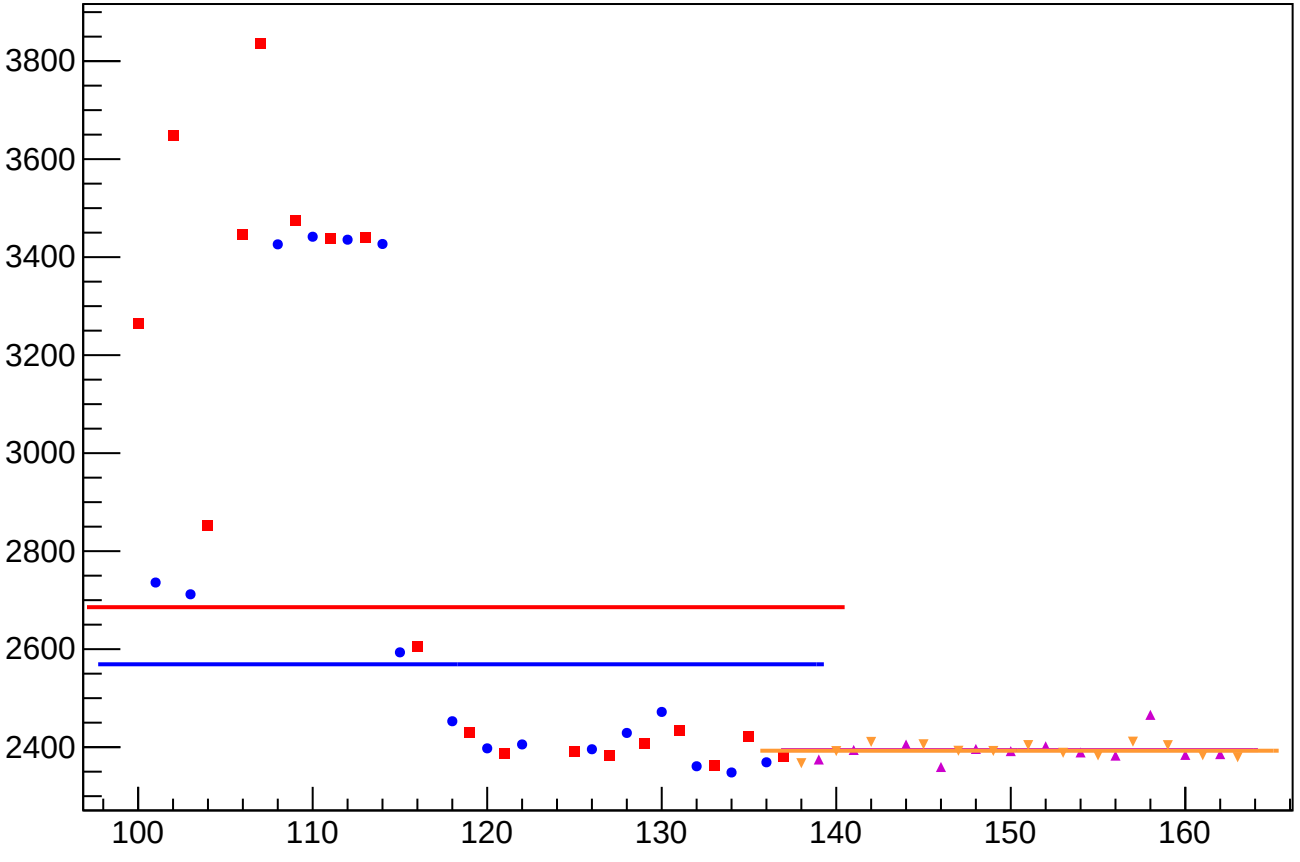
Left In: -1731.598+/-743.700 χ^2/NDF:19.1/11

+ sign 2097.058+/-587.698 χ^2/NDF: 23.8/28

All: 277.590+/-419.393 χ^2/NDF: 82.2/58

- sign -1610.500+/-598.678 χ^2/NDF: 38.9/29

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

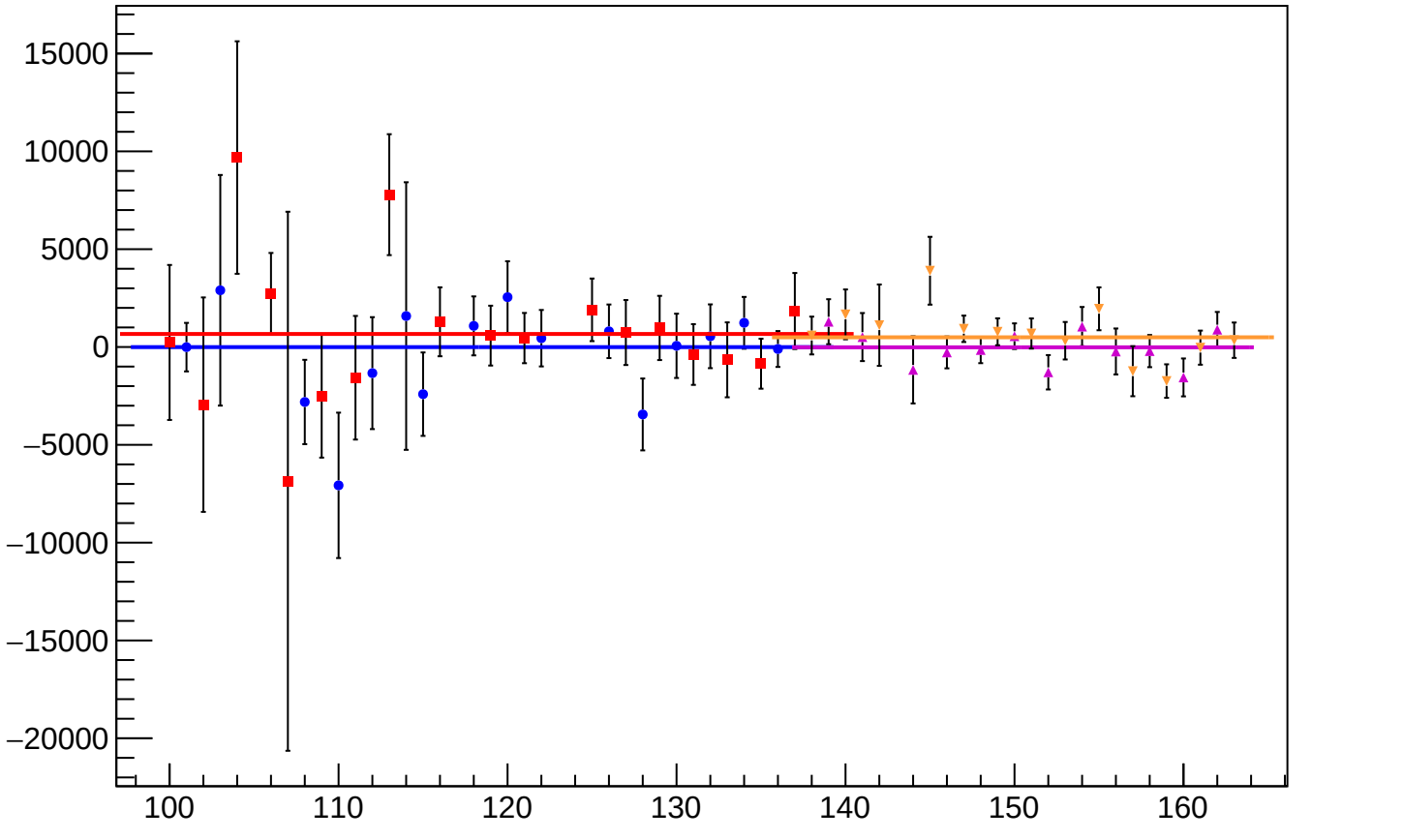
Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2394.055+/-0.526 χ^2/NDF:2147.9/11

+ sign 2458.547+/-0.416 χ^2/NDF: 272168.9/28

All: 2477.269+/-0.297 χ^2/NDF: 805956.4/58

- sign 2496.698+/-0.423 χ^2/NDF: 529651.4/29



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 496.157+/-261.007 χ^2/NDF:16.3/12

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

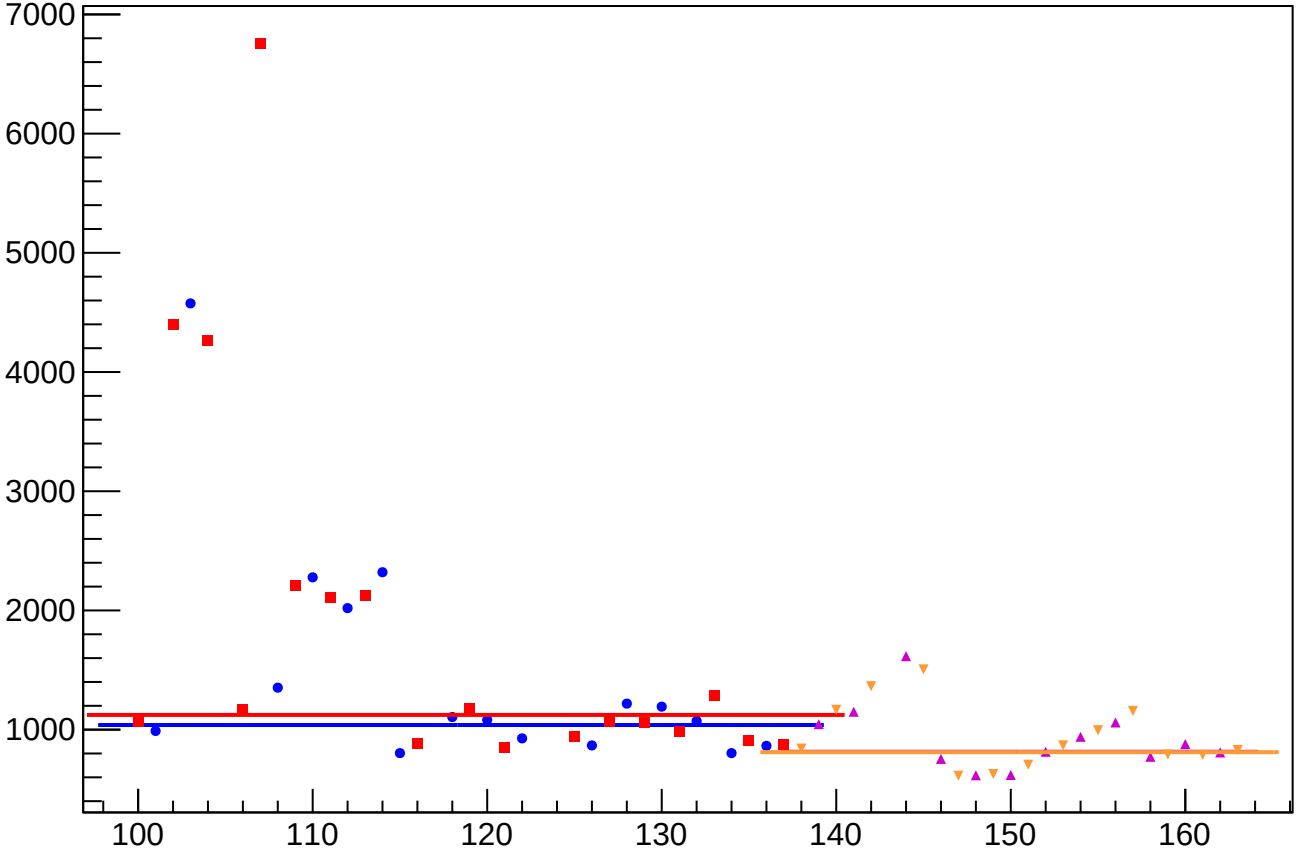
Left In: -15.258+/-261.963 χ^2/NDF:9.7/11

\+ sign 352.702+/-220.524 χ^2/NDF: 31.9/28

All: 255.217+/-158.410 χ^2/NDF: 57.9/58

\- sign 151.284+/-227.700 χ^2/NDF: 25.7/29

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 811.118+/-0.185 χ^2/NDF:1183778.6/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

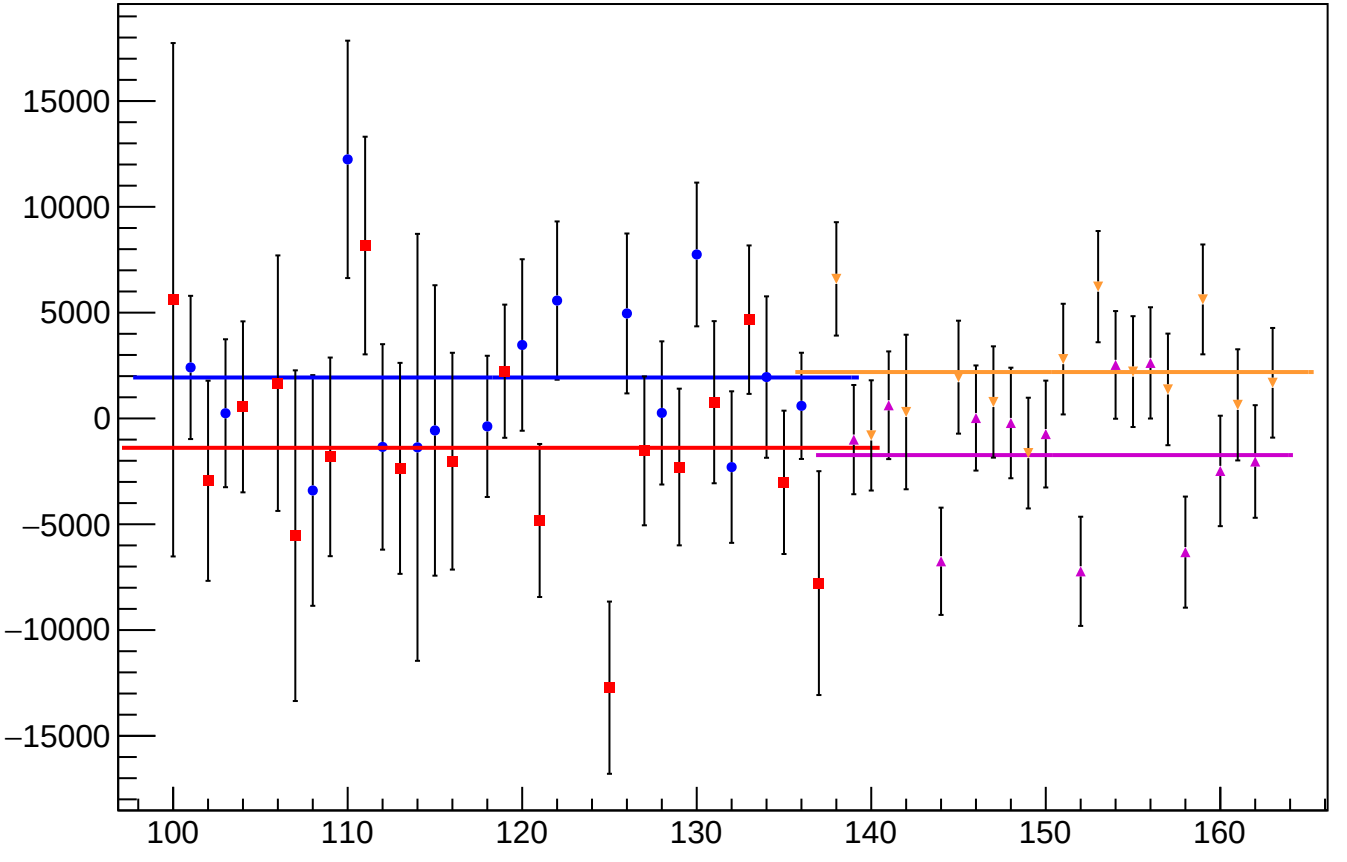
Left In: 814.352+/-0.185 χ^2/NDF:1158864.3/11

+ sign 876.270+/-0.156 χ^2/NDF: 3159009.3/28

All: 882.879+/-0.112 χ^2/NDF: 7537951.5/58

- sign 889.926+/-0.161 χ^2/NDF: 4375230.3/29

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

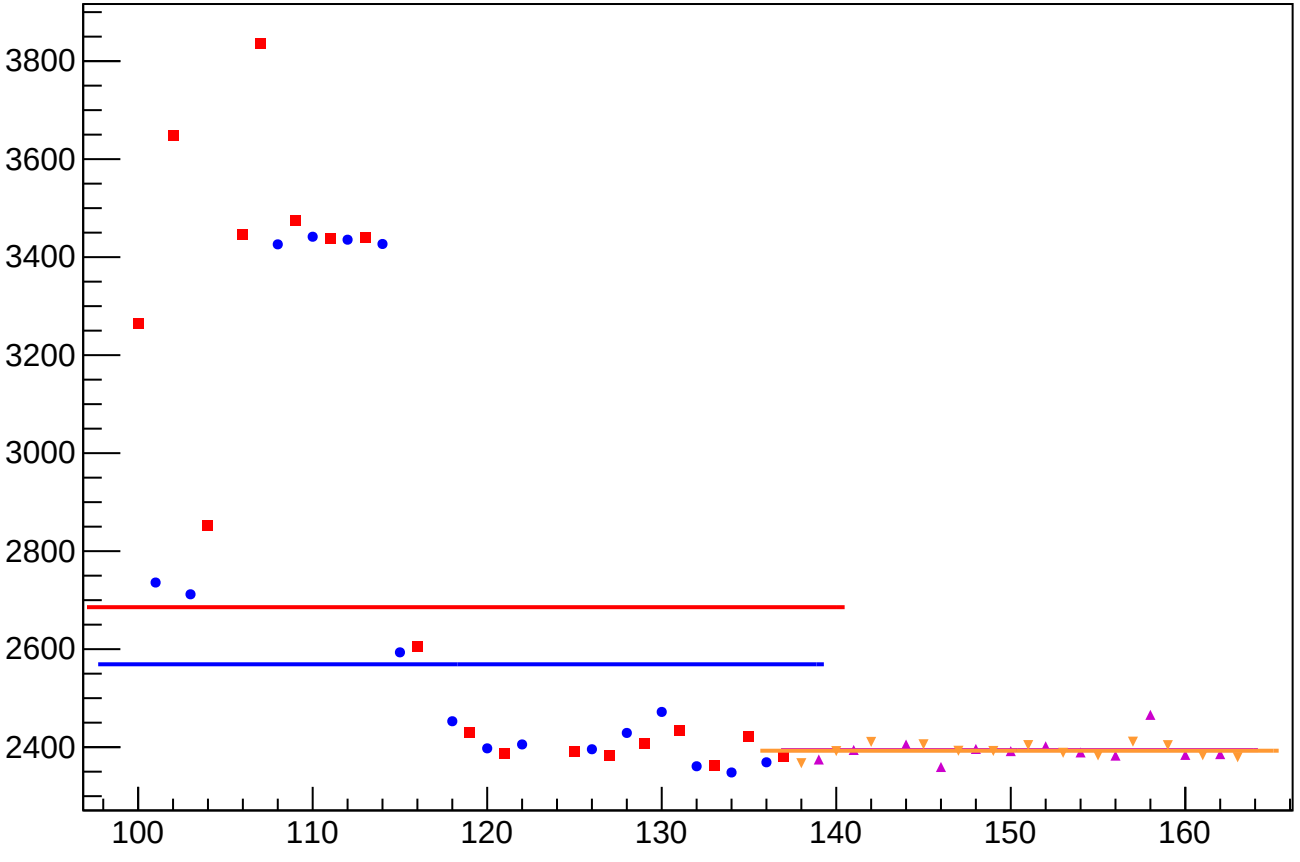
Left In: -1731.598+/-743.700 χ^2/NDF:19.1/11

+ sign 2097.057+/-587.698 χ^2/NDF: 23.8/28

All: 277.590+/-419.393 χ^2/NDF: 82.2/58

- sign -1610.499+/-598.678 χ^2/NDF: 38.9/29

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

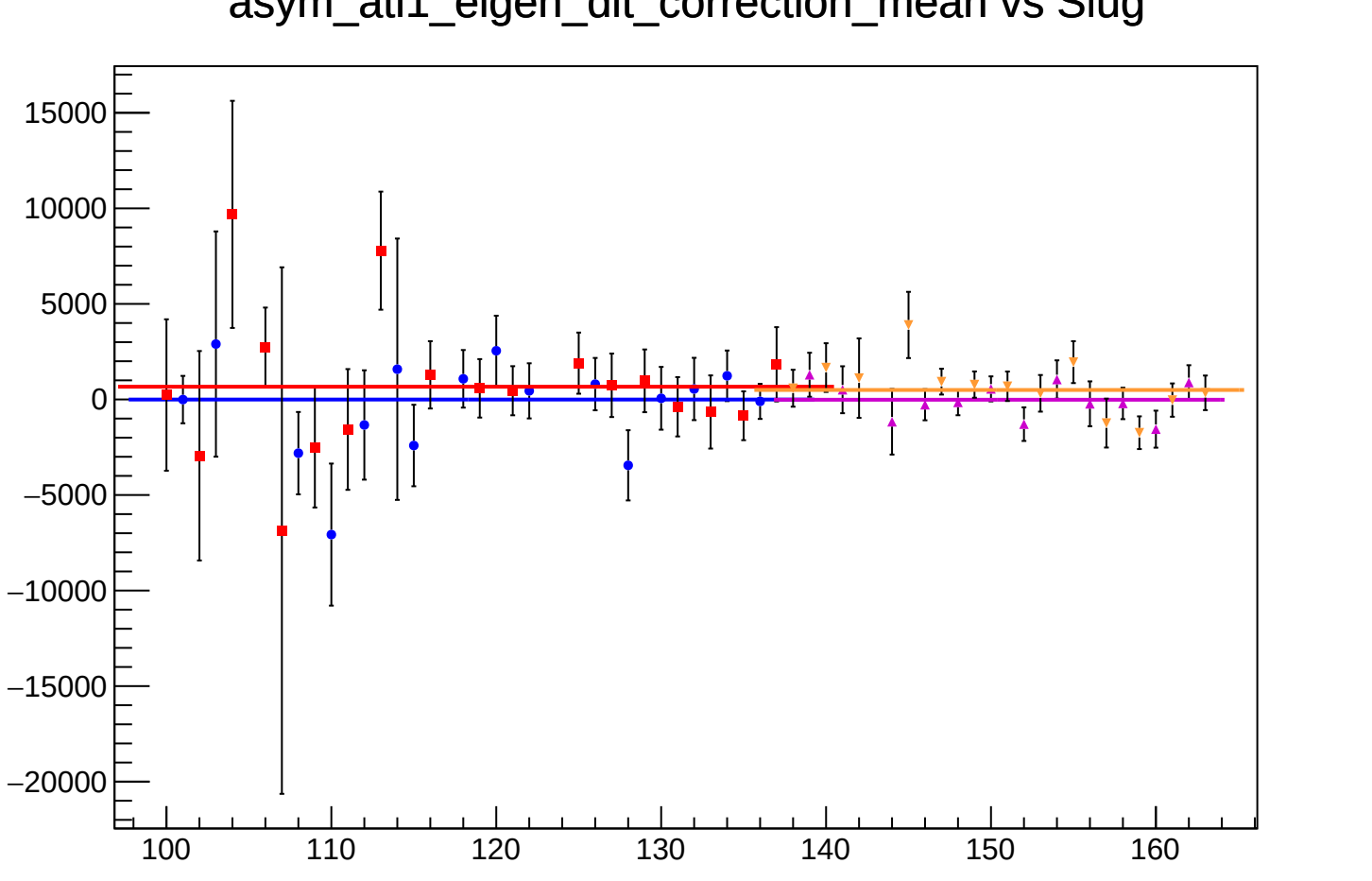
Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2394.055+/-0.526 χ^2/NDF:2147.9/11

+ sign 2458.547+/-0.416 χ^2/NDF: 272168.5/28

All: 2477.269+/-0.297 χ^2/NDF: 805955.1/58

- sign 2496.698+/-0.423 χ^2/NDF: 529650.5/29



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 496.157+/-261.008 χ^2/NDF:16.3/12

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

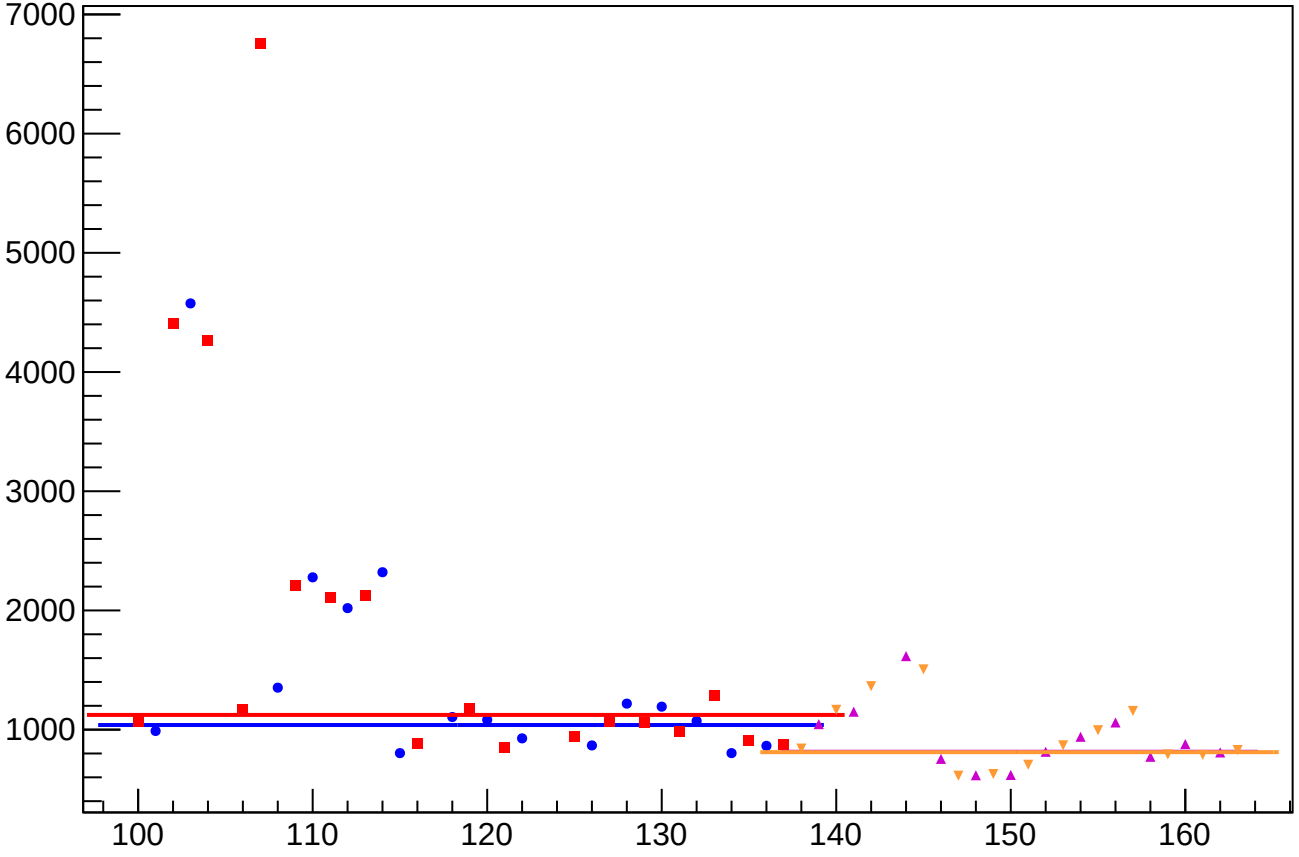
Left In: -15.259+/-261.963 χ^2/NDF:9.7/11

+ sign 352.701+/-220.524 χ^2/NDF: 31.9/28

All: 255.216+/-158.410 χ^2/NDF: 57.9/58

- sign 151.284+/-227.700 χ^2/NDF: 25.7/29

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 811.120+/-0.185 χ^2/NDF:1183776.3/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

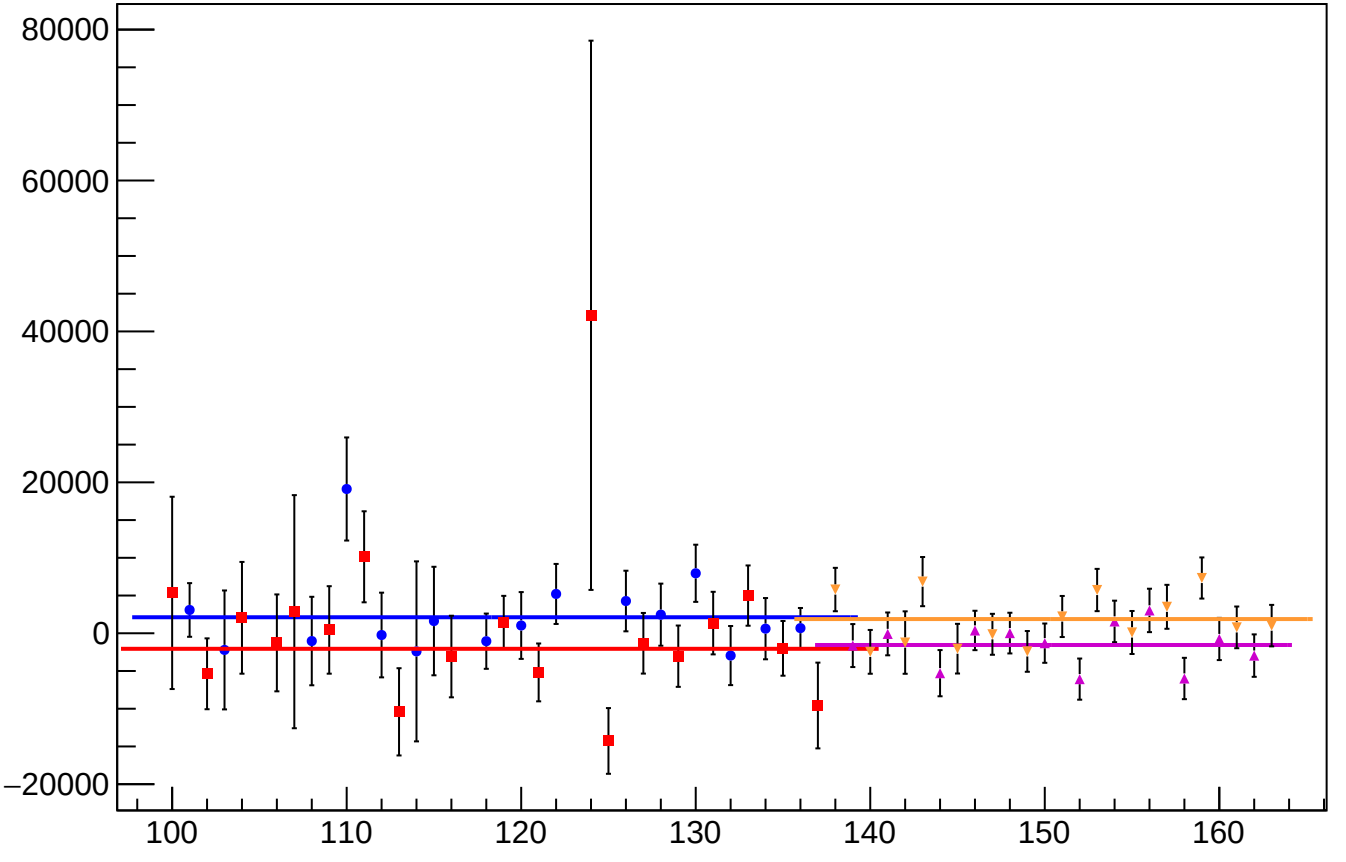
Left In: 814.353+/-0.185 χ^2/NDF:1158862.1/11

+ sign 876.272+/-0.156 χ^2/NDF: 3158997.0/28

All: 882.881+/-0.112 χ^2/NDF: 7537928.1/58

- sign 889.927+/-0.161 χ^2/NDF: 4375219.3/29

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1882.329+/-776.406 χ^2/NDF:18.3/13

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

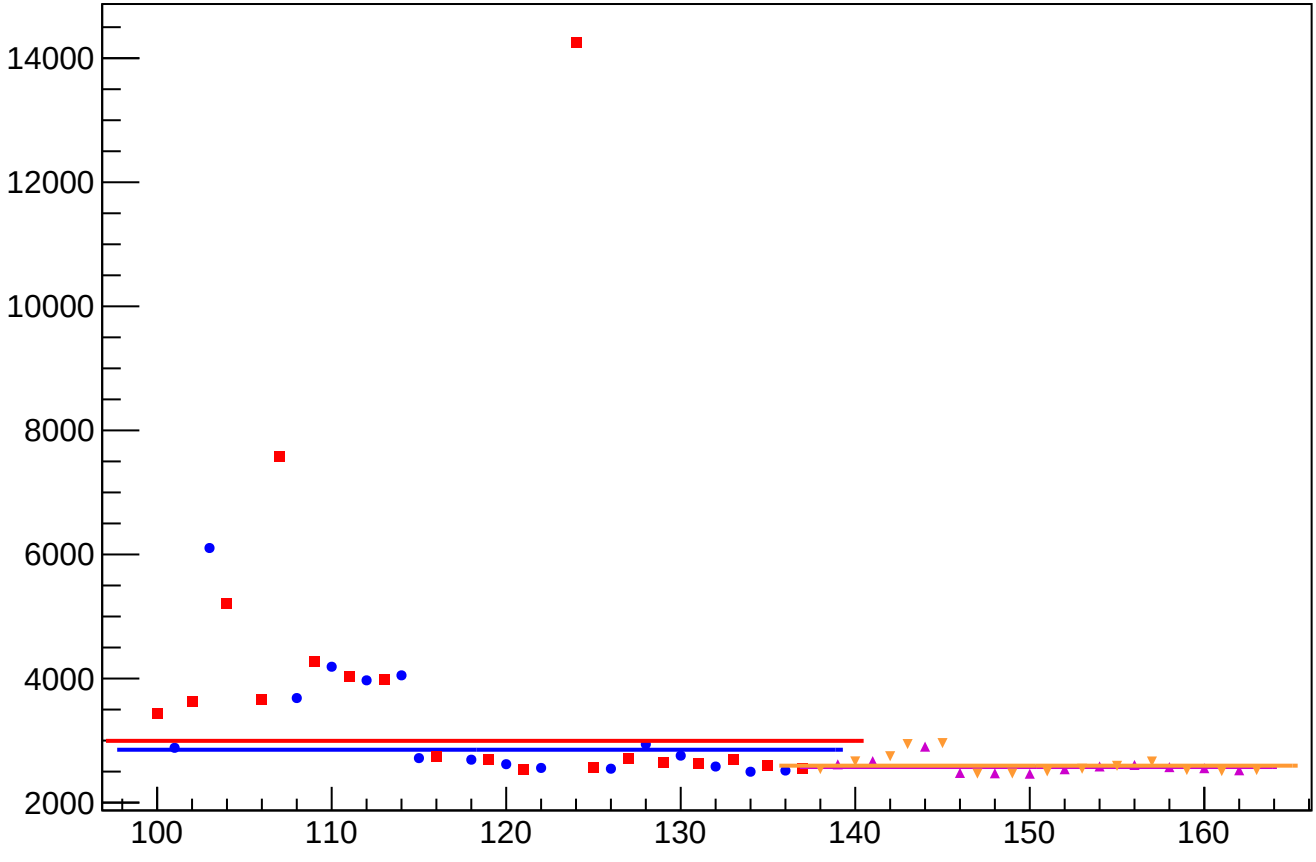
Left In: -1554.218+/-800.362 χ^2/NDF:12.2/11

+ sign 1963.520+/-631.341 χ^2/NDF: 31.7/29

All: 187.058+/-454.371 χ^2/NDF: 84.8/60

- sign -1721.751+/-654.436 χ^2/NDF: 36.6/30

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2595.457+/-0.549 χ^2/NDF:69342.4/13

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

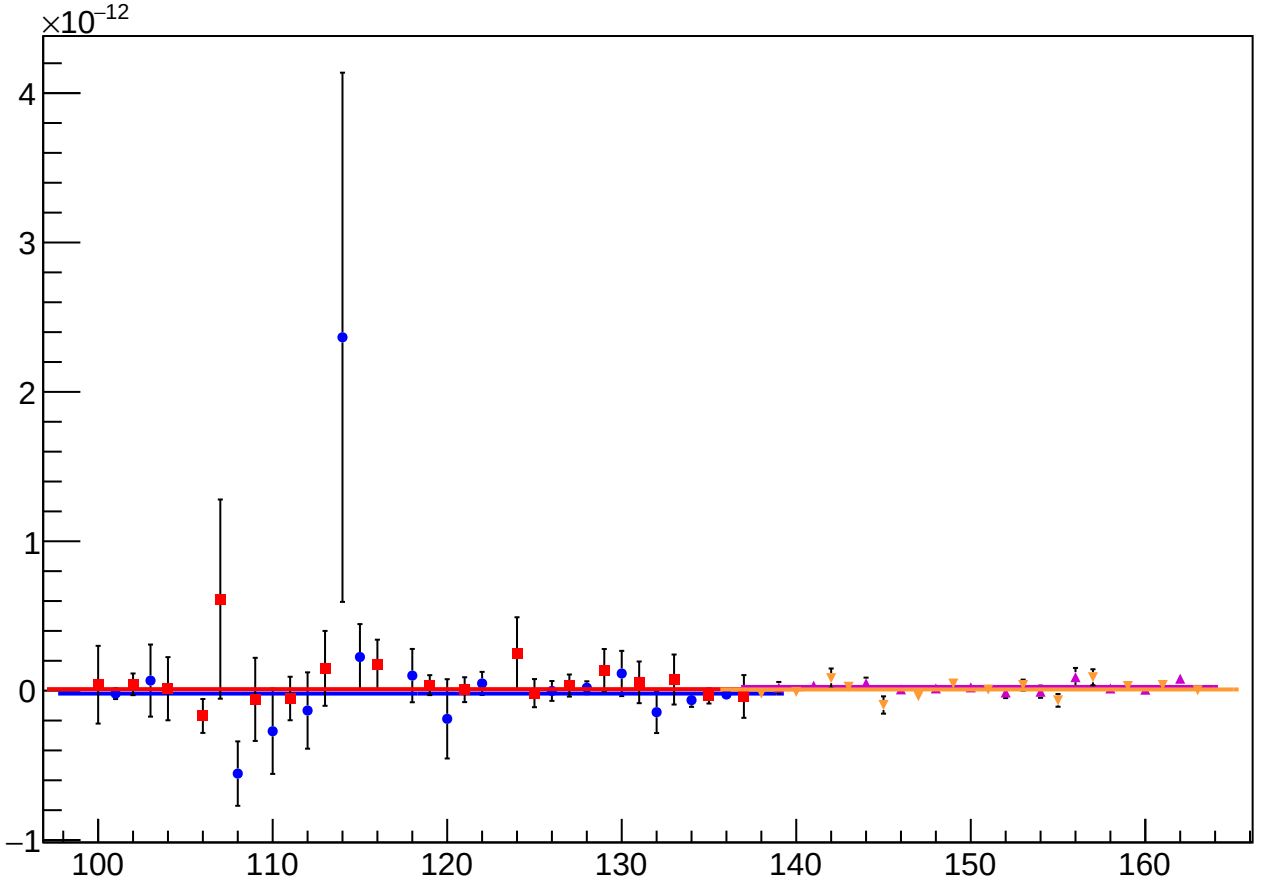
Left In: 2573.671+/-0.566 χ^2/NDF:36059.0/11

+ sign 2682.436+/-0.446 χ^2/NDF: 792150.9/29

All: 2697.399+/-0.321 χ^2/NDF: 1993846.8/60

- sign 2713.476+/-0.463 χ^2/NDF: 1199365.6/30

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:21.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

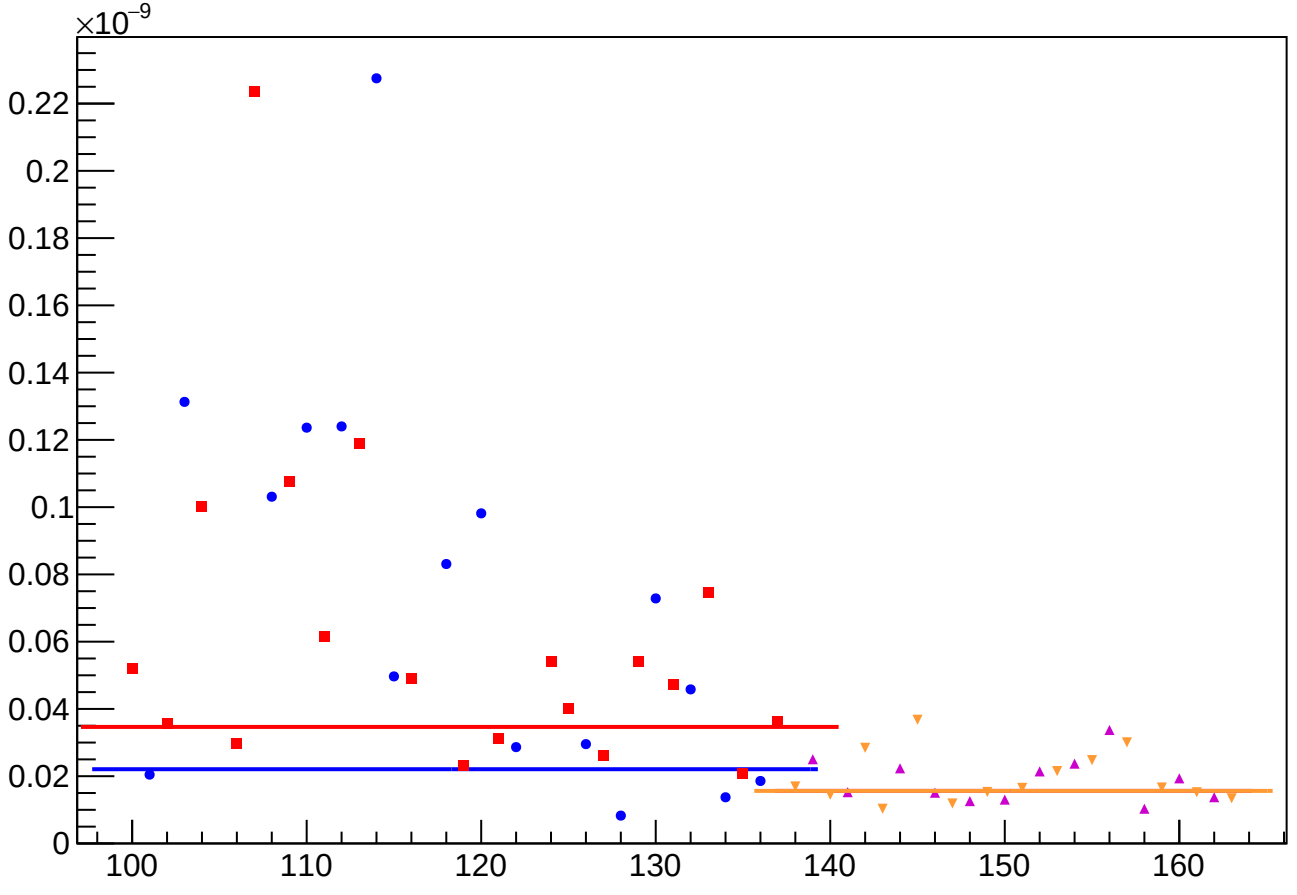
Left In: 0.000+/-0.000 χ^2/NDF:9.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/29

All: 0.000+/-0.000 χ^2/NDF: 60.1/60

- sign 0.000+/-0.000 χ^2/NDF: 18.1/30

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:872403.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

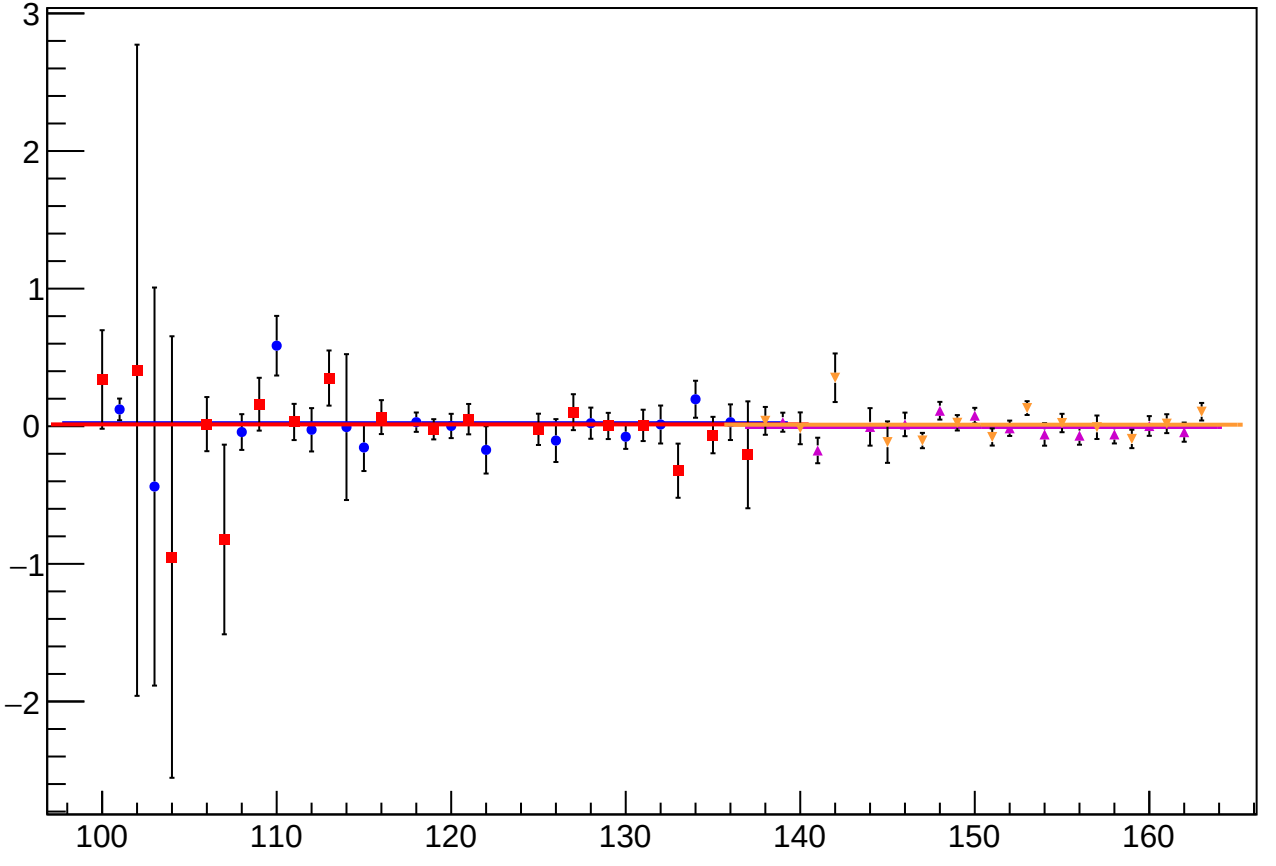
Left In: 0.000+/-0.000 χ^2/NDF:735065.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3452319.3/29

All: 0.000+/-0.000 χ^2/NDF: 6531189.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3064039.1/30

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

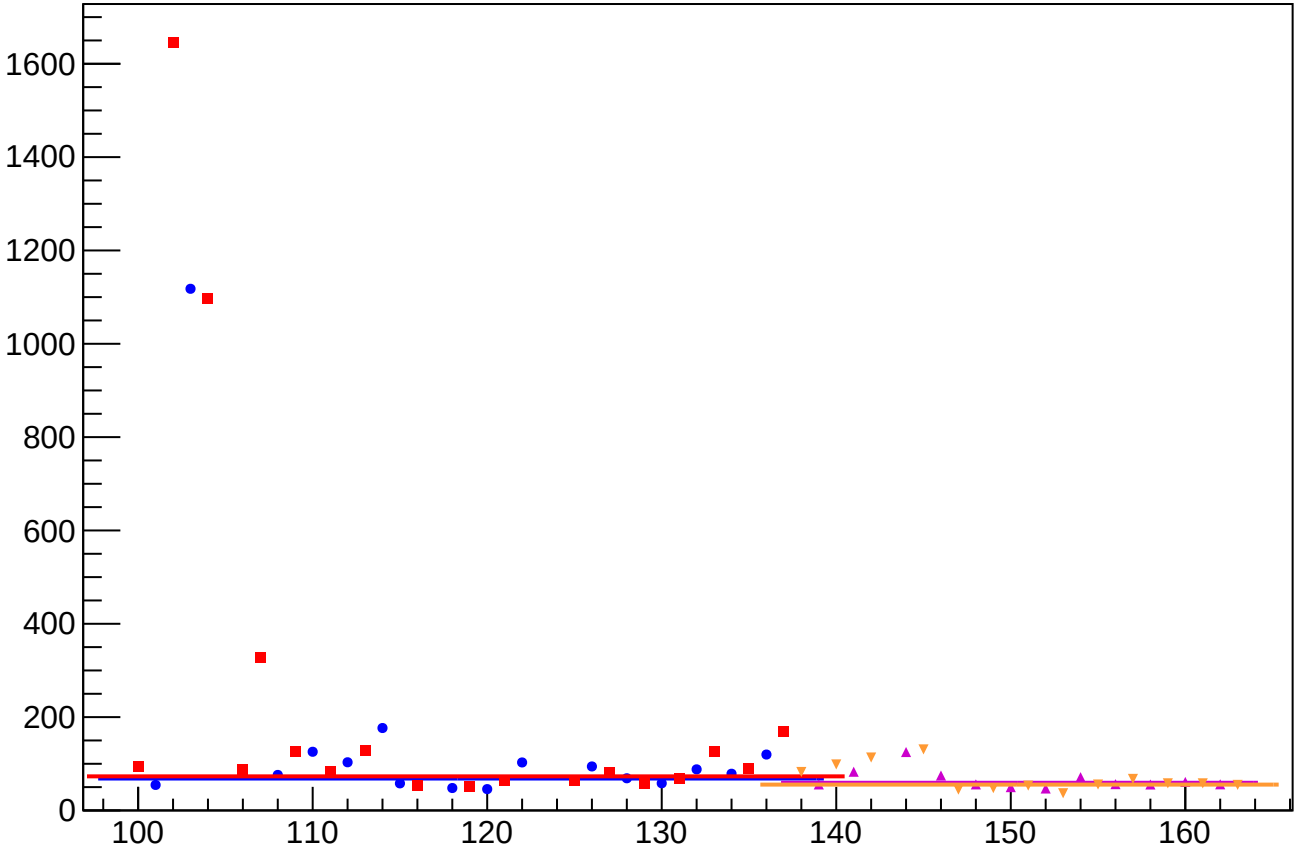
Left In: -0.005+/-0.020 χ^2/NDF:11.5/11

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.008+/-0.012 χ^2/NDF: 59.3/58

- sign -0.000+/-0.017 χ^2/NDF: 22.6/29

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

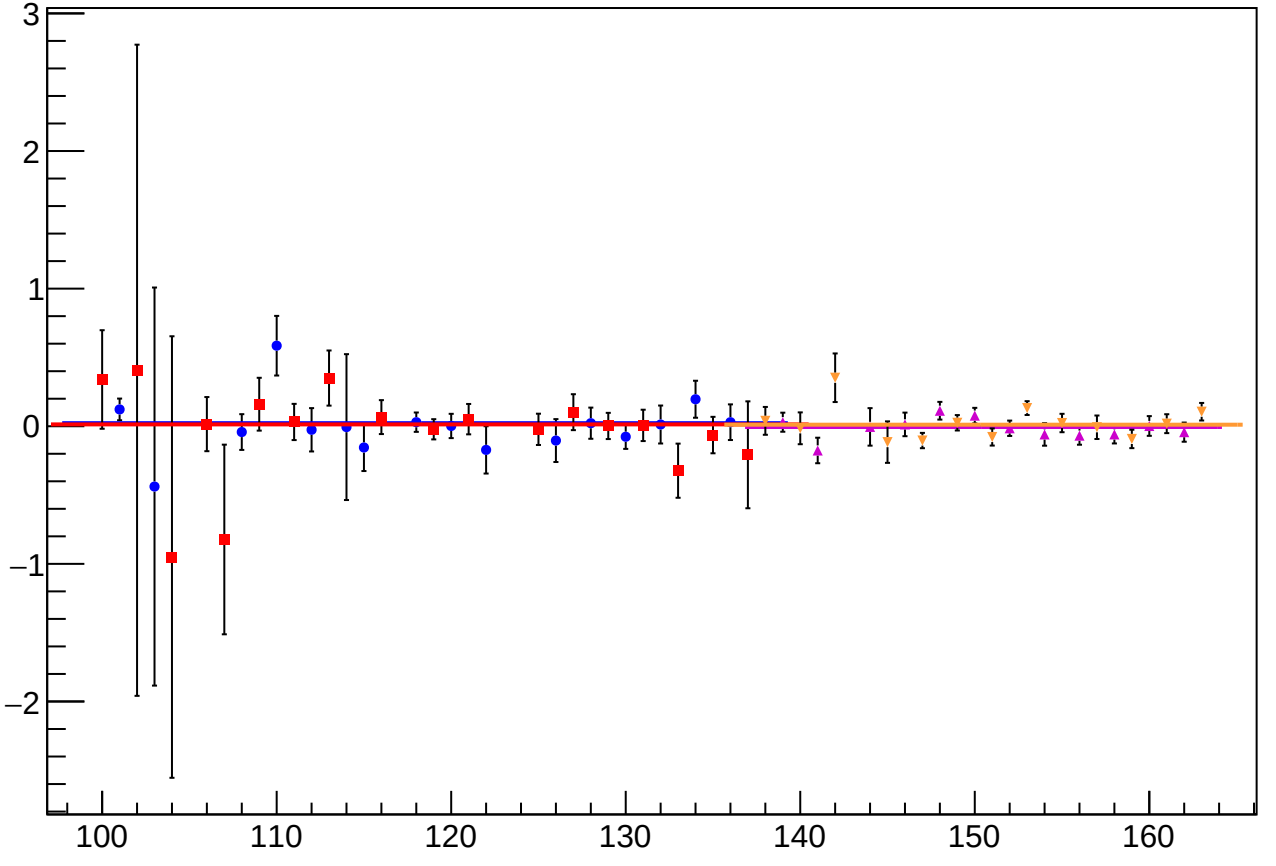
Left In: 59.317+/-0.014 χ^2/NDF:884380.7/11

+ sign 59.278+/-0.012 χ^2/NDF: 4114050.9/28

All: 61.053+/-0.008 χ^2/NDF: 8207103.5/58

- sign 63.041+/-0.012 χ^2/NDF: 4043748.5/29

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

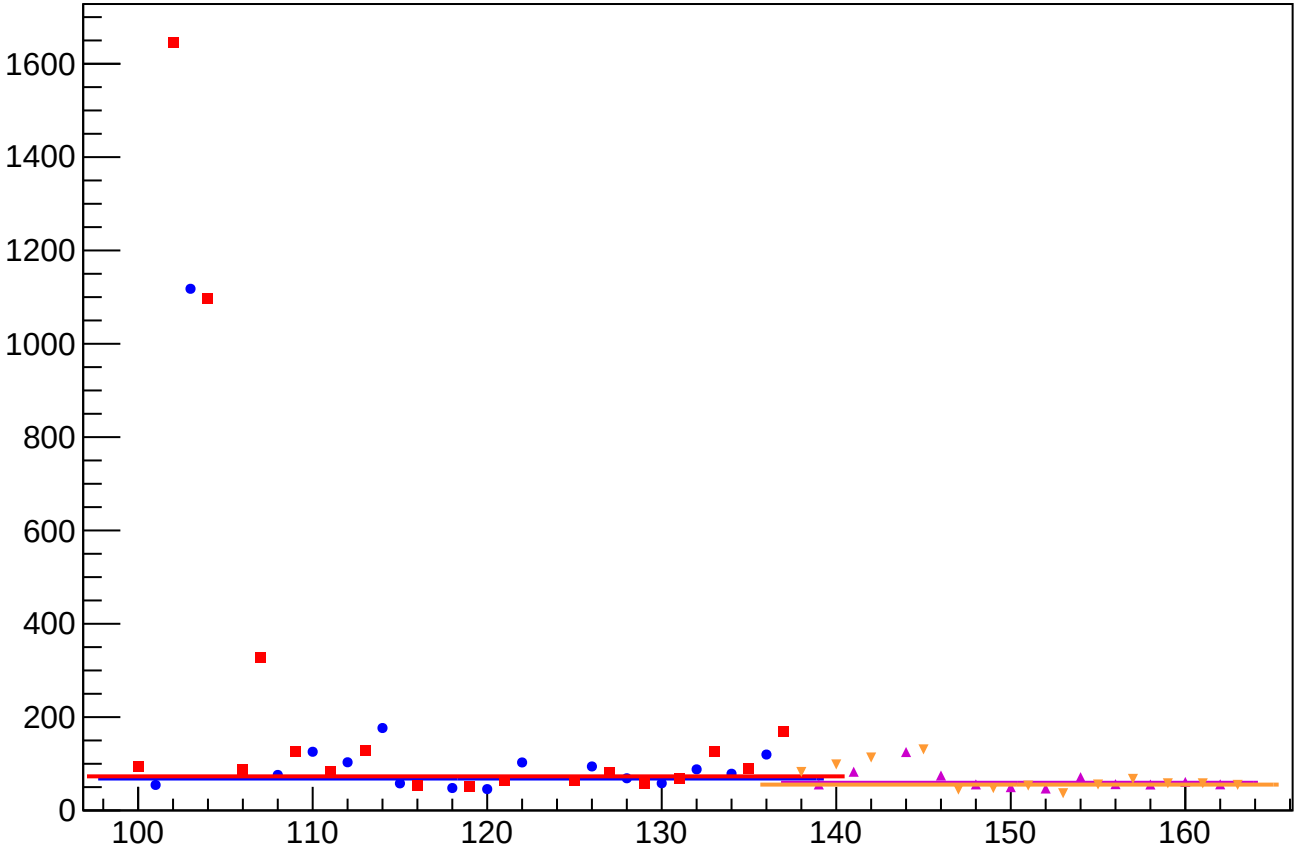
Left In: -0.005+/-0.020 χ^2/NDF:11.5/11

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.008+/-0.012 χ^2/NDF: 59.3/58

- sign -0.000+/-0.017 χ^2/NDF: 22.6/29

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

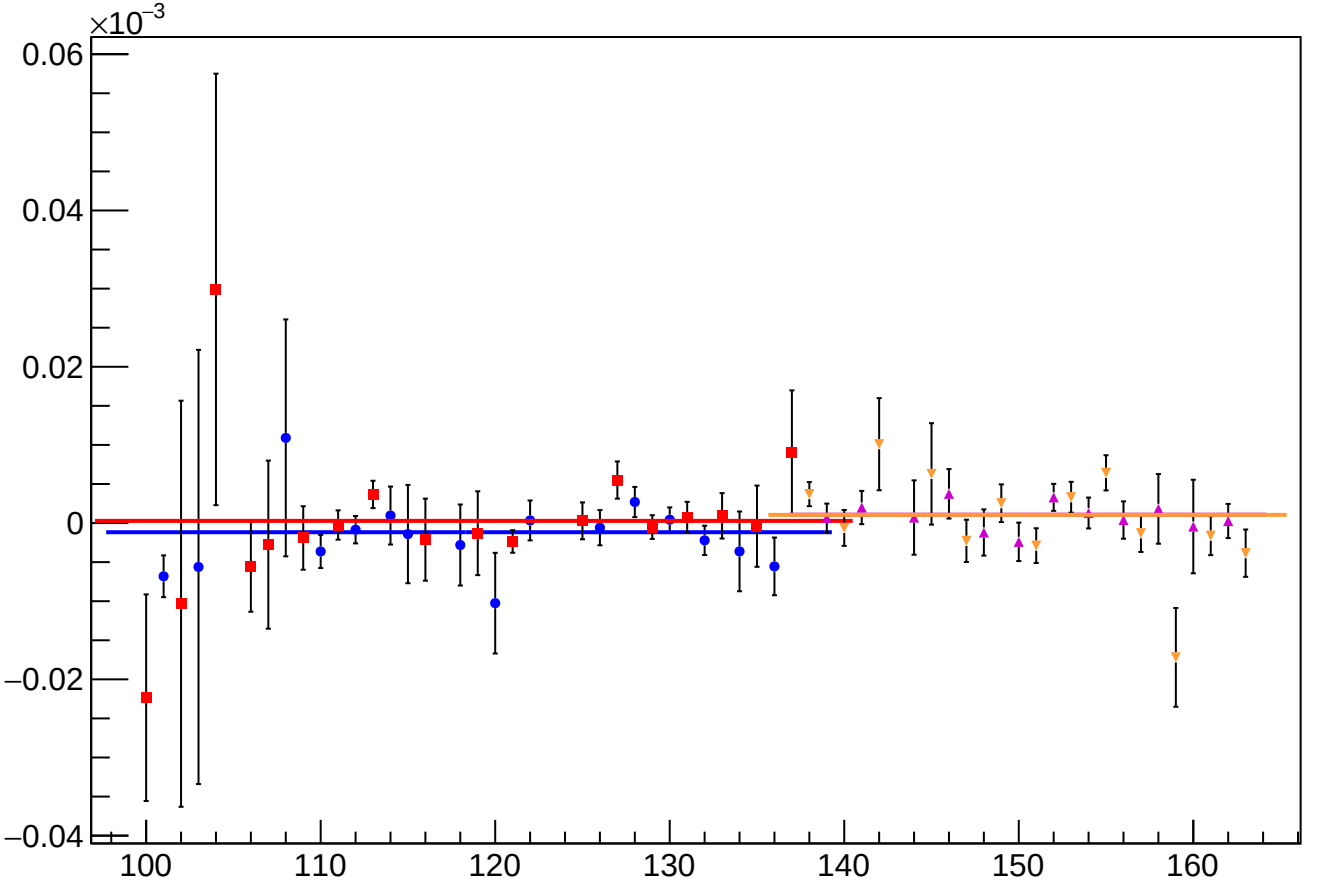
Left In: 59.317+/-0.014 χ^2/NDF:884380.7/11

+ sign 59.278+/-0.012 χ^2/NDF: 4114050.9/28

All: 61.053+/-0.008 χ^2/NDF: 8207103.5/58

- sign 63.041+/-0.012 χ^2/NDF: 4043748.5/29

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:31.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

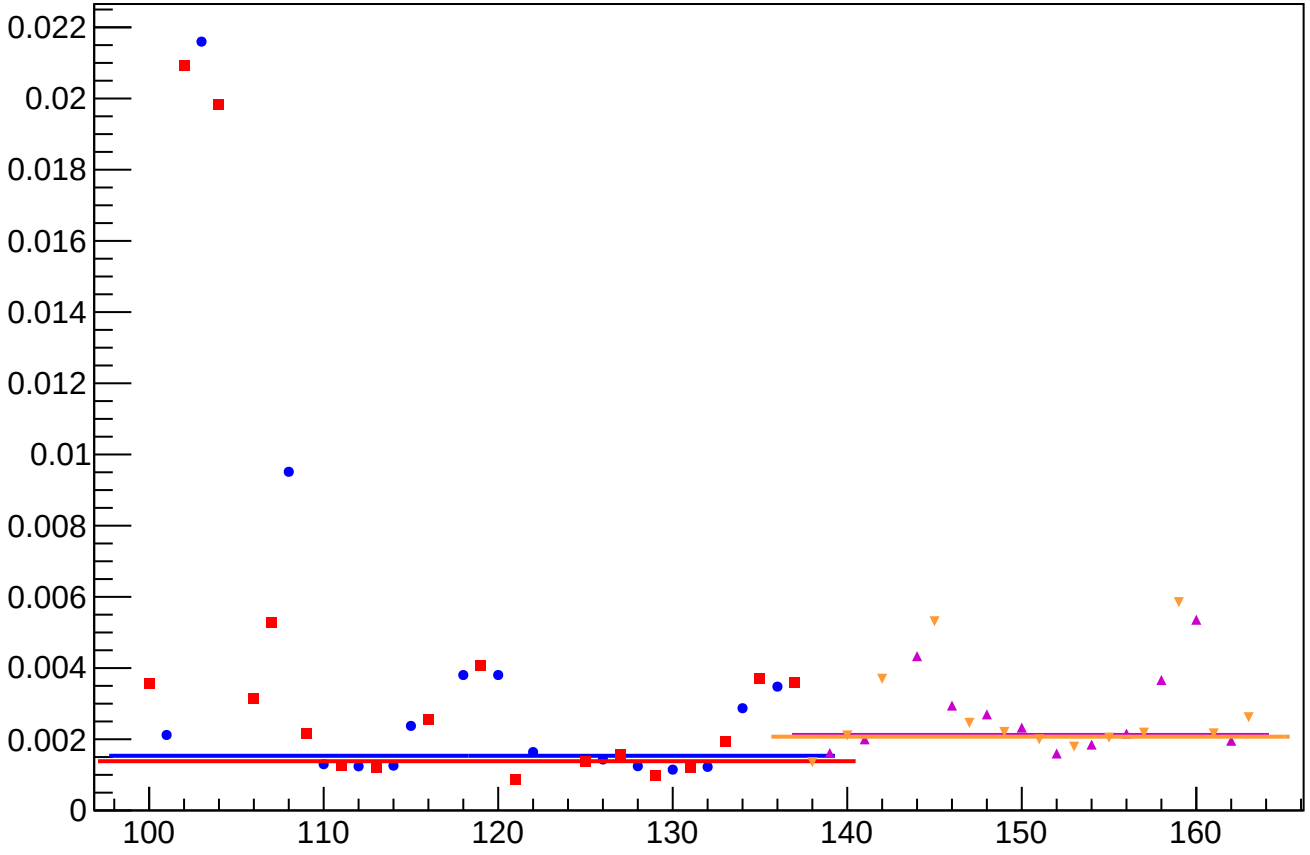
Left In: 0.000+/-0.000 χ^2/NDF:5.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/28

All: 0.000+/-0.000 χ^2/NDF: 80.2/58

- sign 0.000+/-0.000 χ^2/NDF: 25.7/29

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:1959097.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

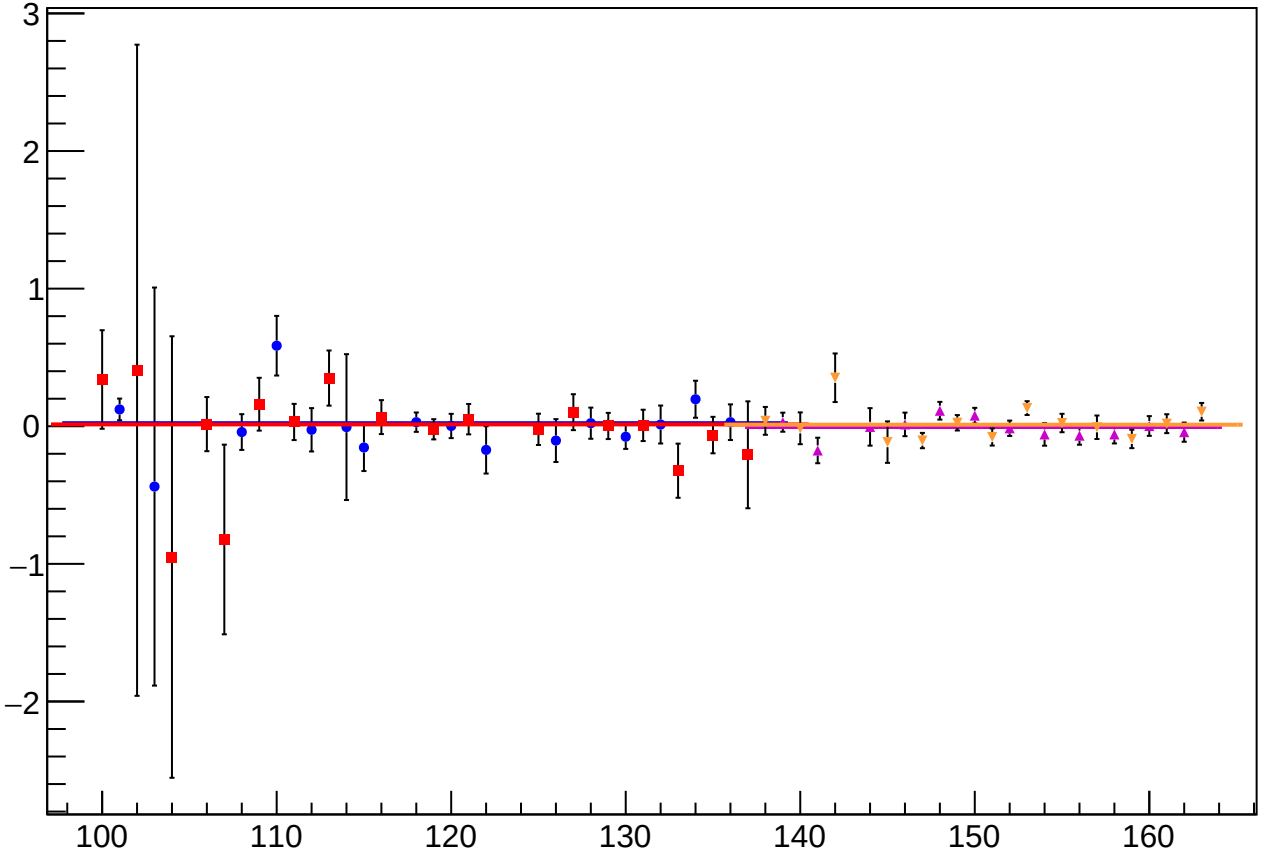
Left In: 0.002+/-0.000 χ^2/NDF:1873938.3/11

+ sign 0.002+/-0.000 χ^2/NDF: 5959927.9/28

All: 0.002+/-0.000 χ^2/NDF: 13339299.6/58

- sign 0.002+/-0.000 χ^2/NDF: 7349597.9/29

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

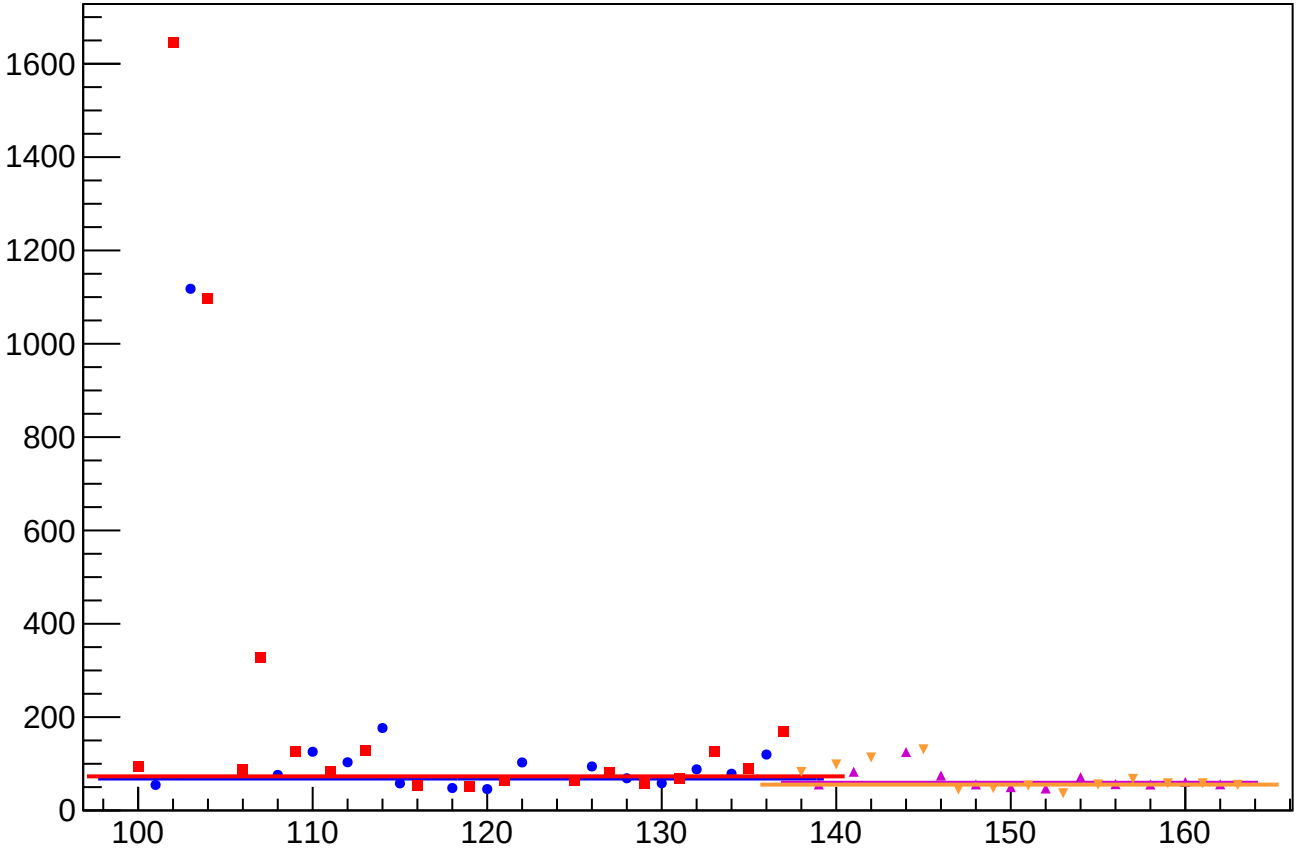
Left In: -0.005+/-0.020 χ^2/NDF:11.5/11

+ sign 0.015+/-0.016 χ^2/NDF: 36.3/28

All: 0.008+/-0.012 χ^2/NDF: 59.3/58

- sign -0.000+/-0.017 χ^2/NDF: 22.6/29

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573526.4/12

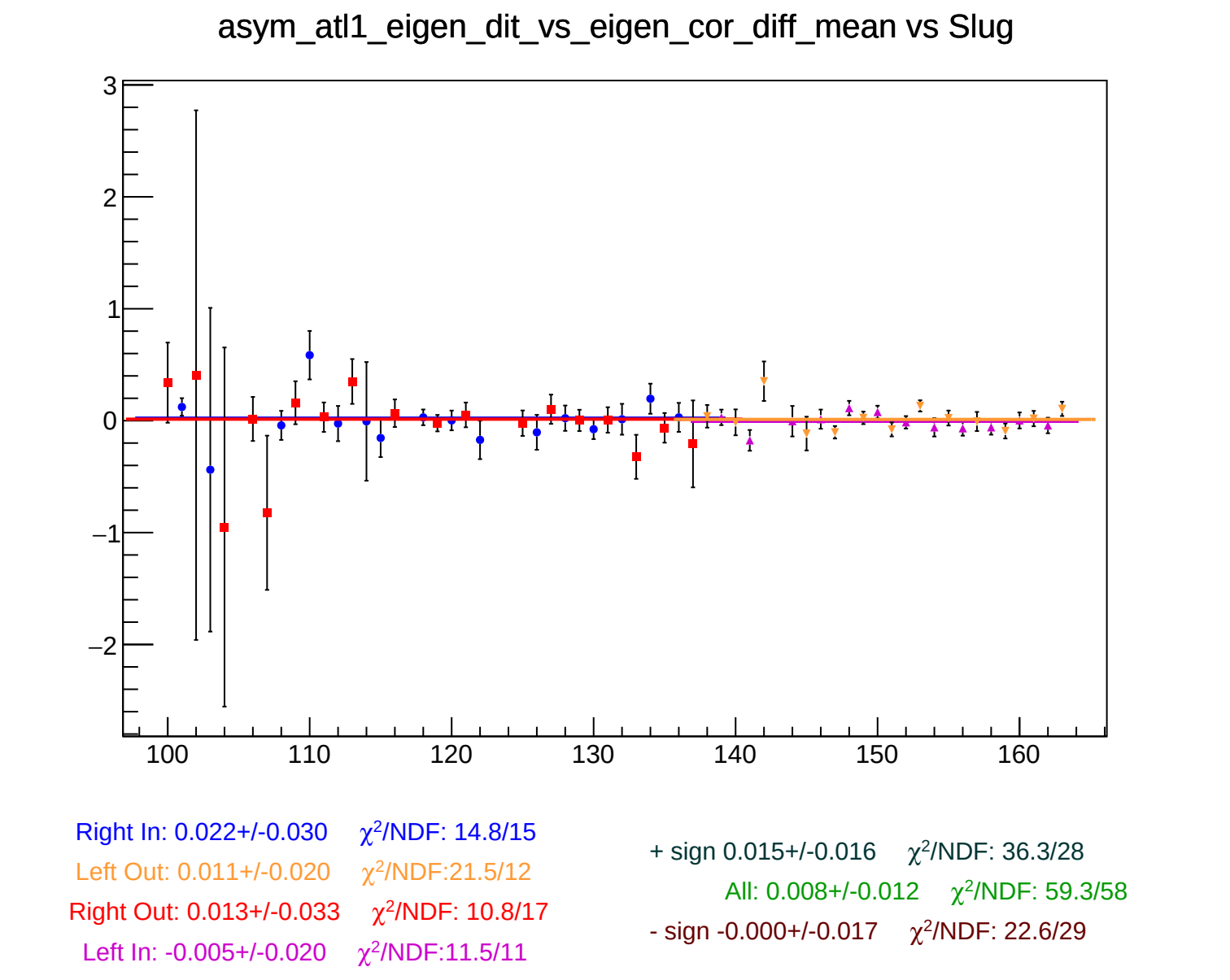
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

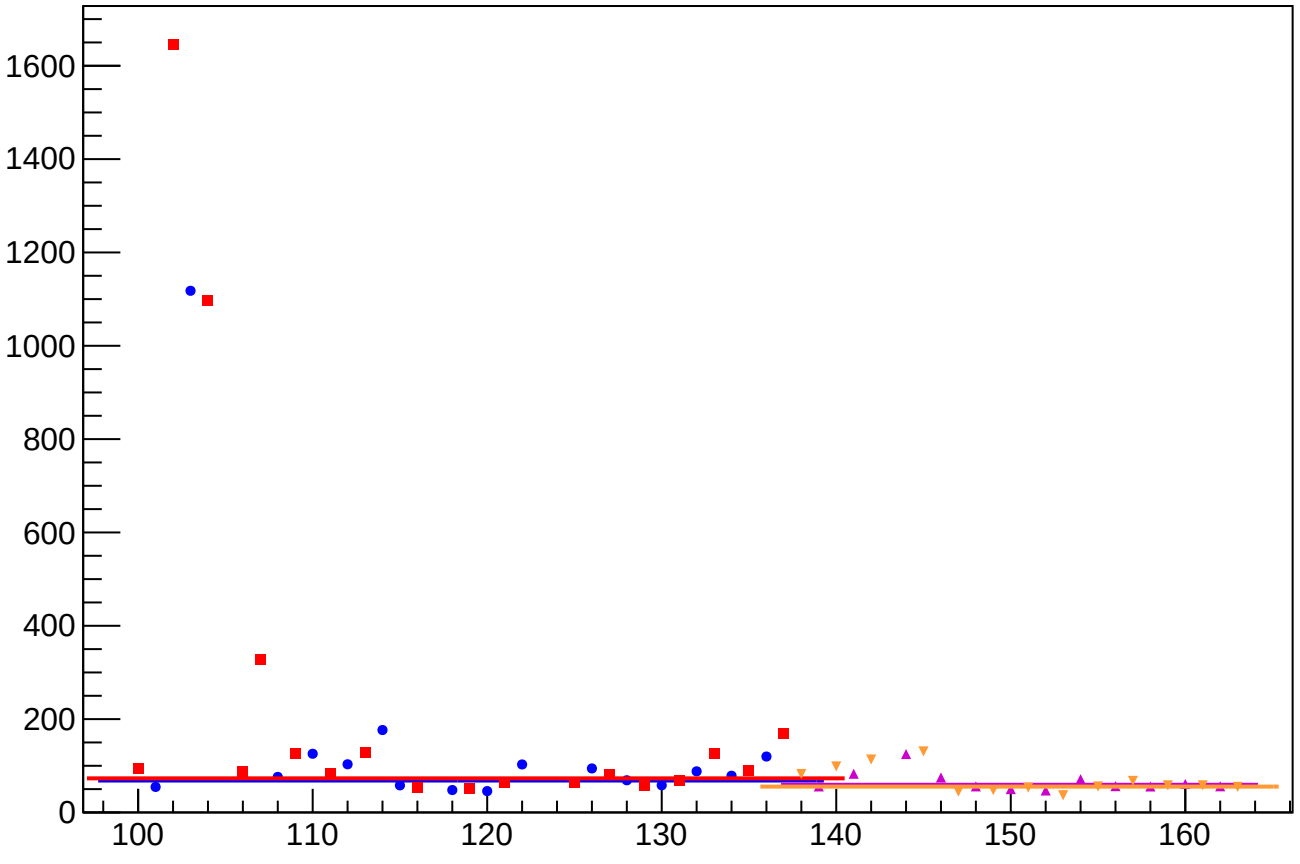
Left In: 59.317+/-0.014 χ^2/NDF:884360.4/11

+ sign 59.278+/-0.012 χ^2/NDF: 4114176.7/28

All: 61.053+/-0.008 χ^2/NDF: 8207209.7/58

- sign 63.041+/-0.012 χ^2/NDF: 4043715.6/29


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.011+/-0.020 χ²/NDF:21.5/12
Right Out: 0.013+/-0.033 χ²/NDF: 10.8/17
Left In: -0.005+/-0.020 χ²/NDF:11.5/11
+ sign 0.015+/-0.016 χ²/NDF: 36.3/28
All: 0.008+/-0.012 χ²/NDF: 59.3/58
- sign -0.000+/-0.017 χ²/NDF: 22.6/29



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

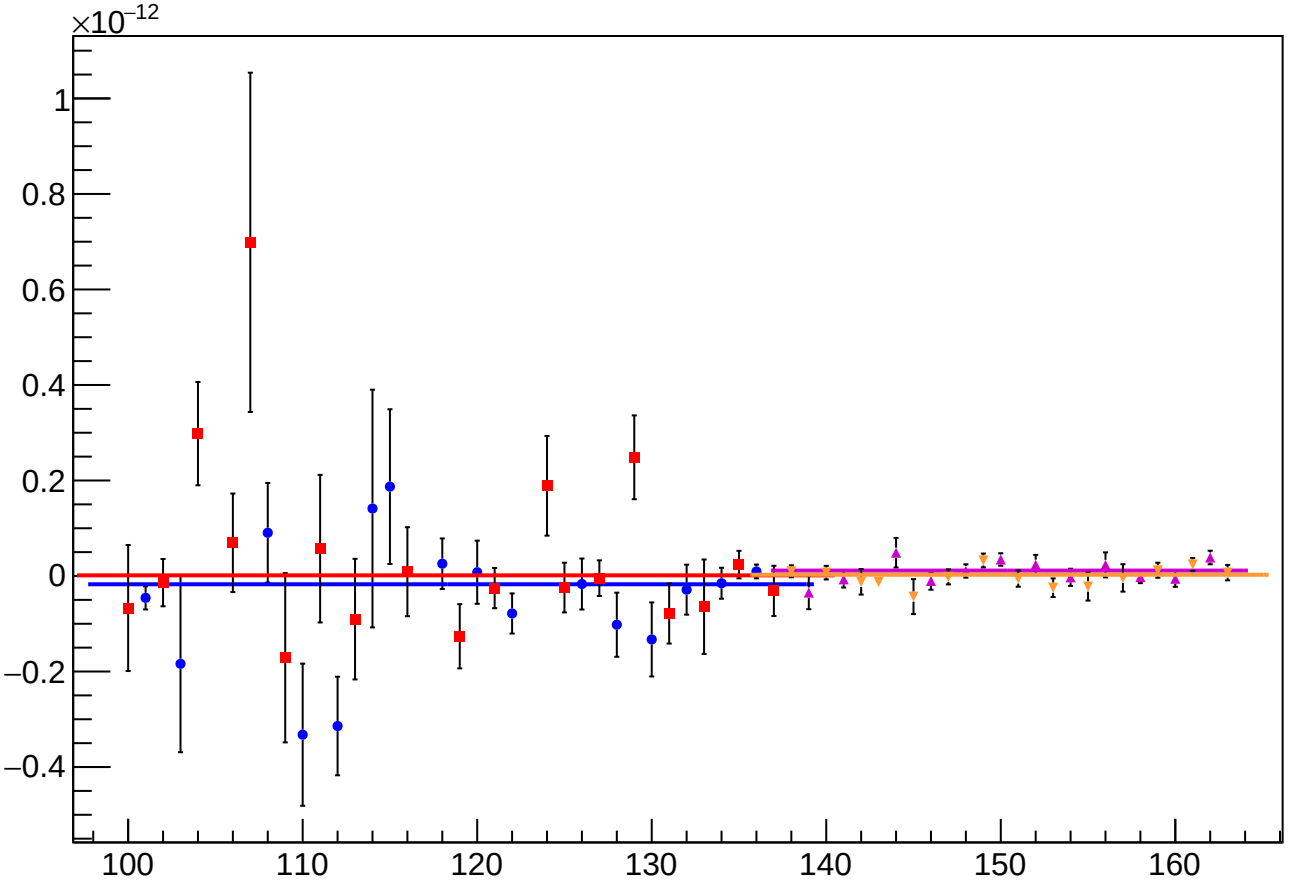
Left In: 59.317+/-0.014 χ^2/NDF:884360.4/11

+ sign 59.278+/-0.012 χ^2/NDF: 4114176.7/28

All: 61.053+/-0.008 χ^2/NDF: 8207209.7/58

- sign 63.041+/-0.012 χ^2/NDF: 4043715.6/29

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:15.2/13

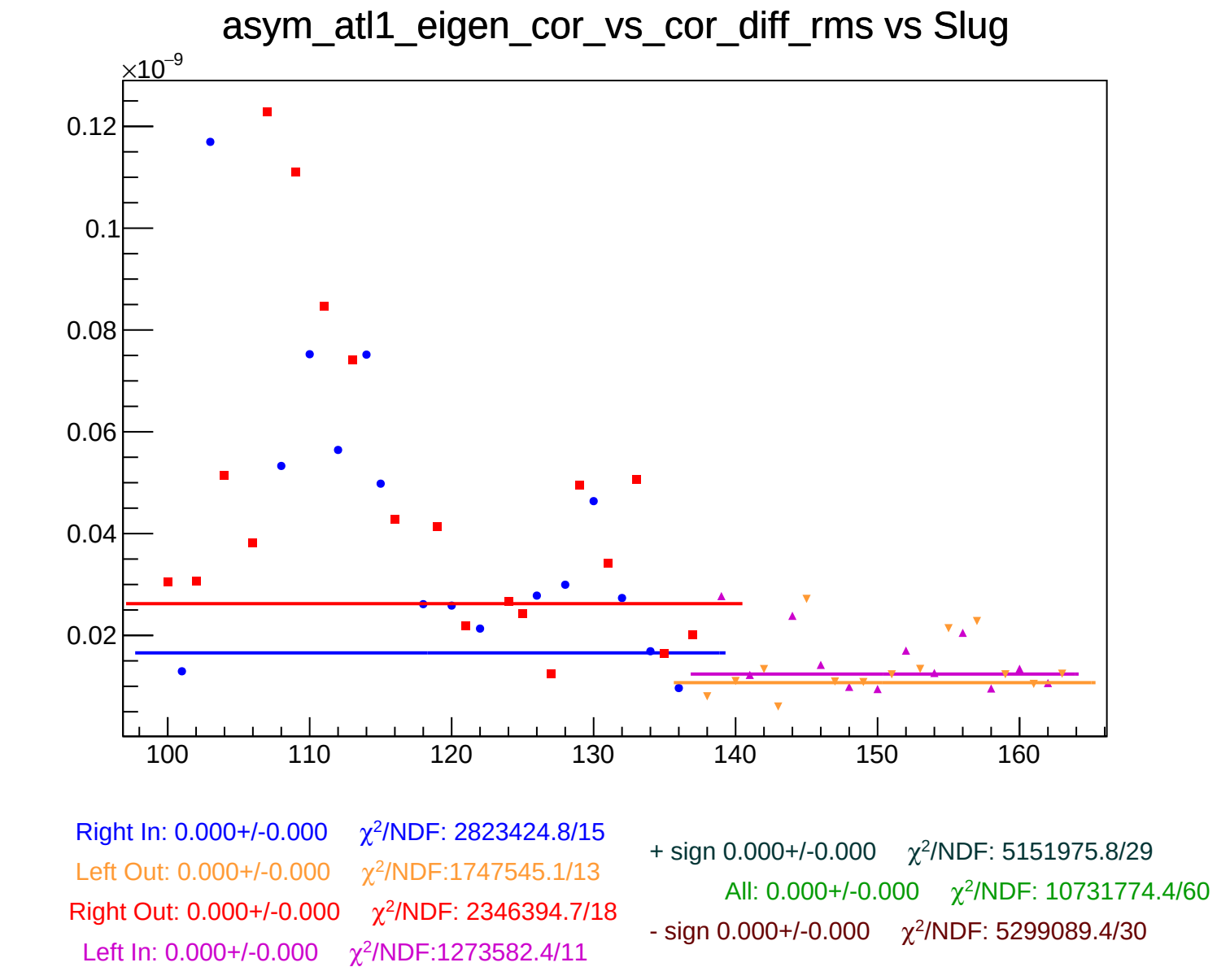
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/11

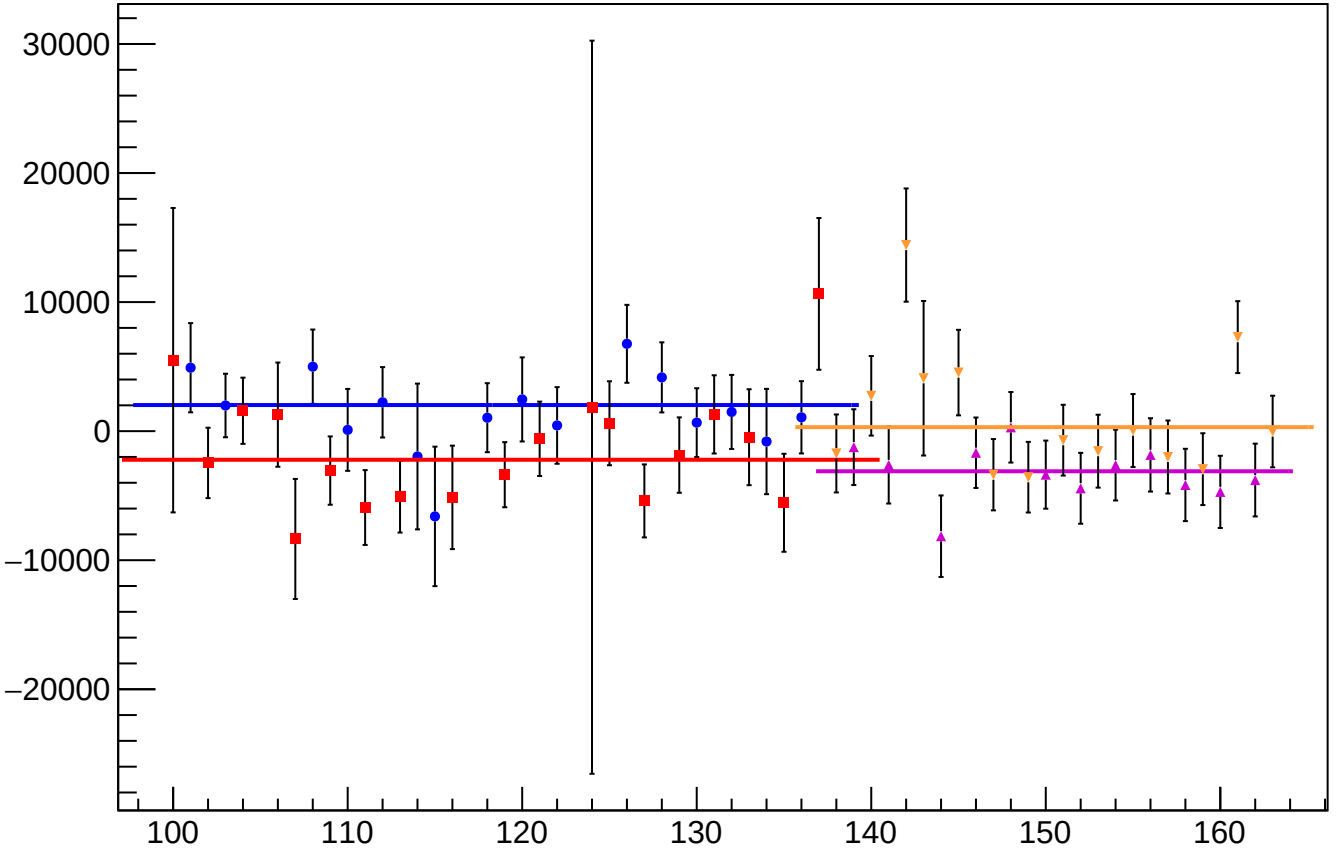
+ sign -0.000+/-0.000 χ^2/NDF: 46.9/29

All: 0.000+/-0.000 χ^2/NDF: 98.6/60

- sign 0.000+/-0.000 χ^2/NDF: 48.7/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2823424.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1747545.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 2346394.7/18
Left In: 0.000+/-0.000 χ²/NDF:1273582.4/11
+ sign 0.000+/-0.000 χ²/NDF: 5151975.8/29
All: 0.000+/-0.000 χ²/NDF: 10731774.4/60
- sign 0.000+/-0.000 χ²/NDF: 5299089.4/30

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 308.966+/-804.134 χ^2/NDF:26.1/13

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

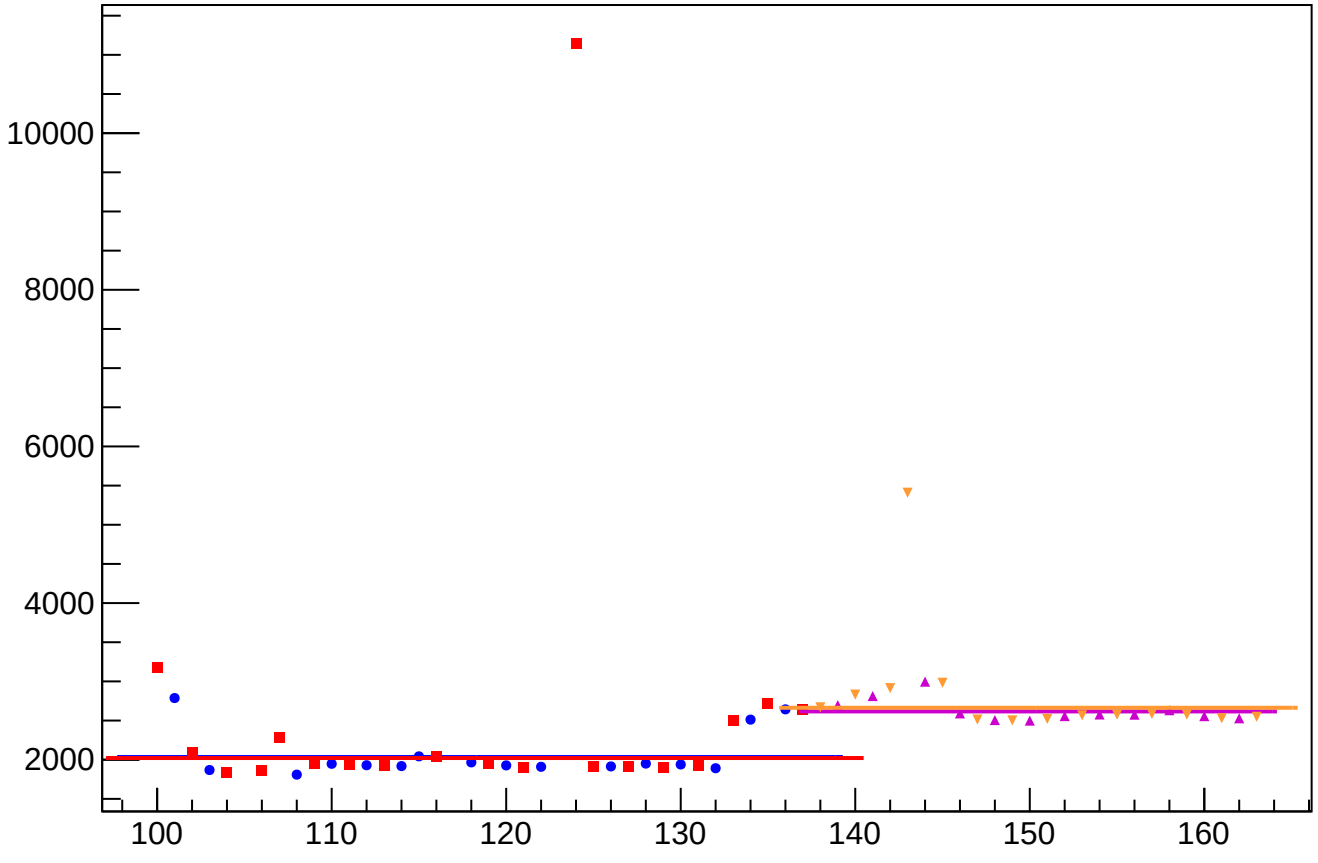
Left In: -3108.876+/-813.848 χ^2/NDF:5.8/11

+ sign 1209.260+/-554.010 χ^2/NDF: 38.1/29

All: -710.748+/-391.723 χ^2/NDF: 86.7/60

- sign -2630.340+/-553.950 χ^2/NDF: 24.6/30

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

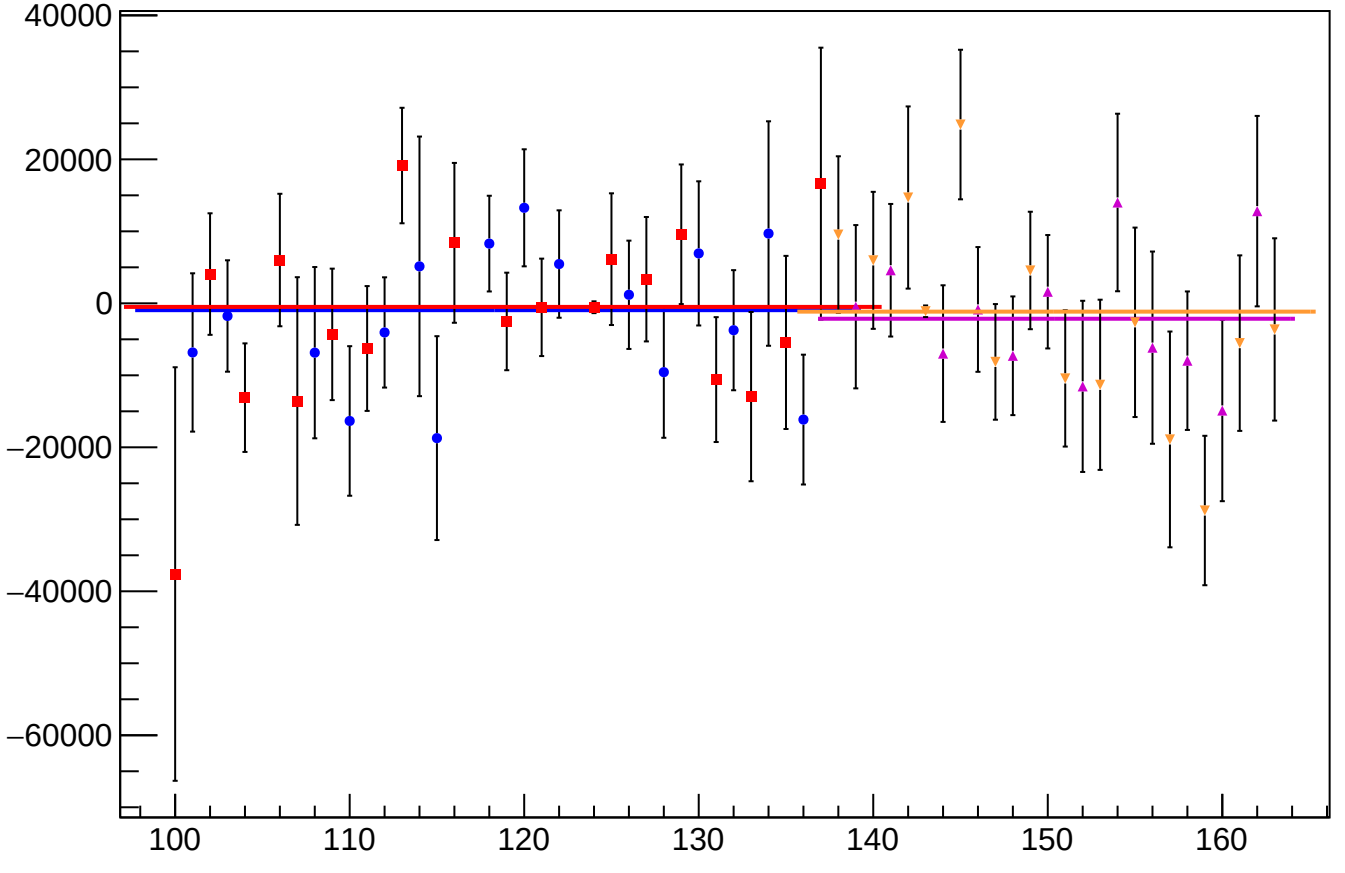
Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.5/29

All: 2314.976+/-0.277 χ^2/NDF: 2411225.5/60

- sign 2297.105+/-0.392 χ^2/NDF: 1014784.4/30

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1154.493+/-778.201 χ^2/NDF:21.0/13

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

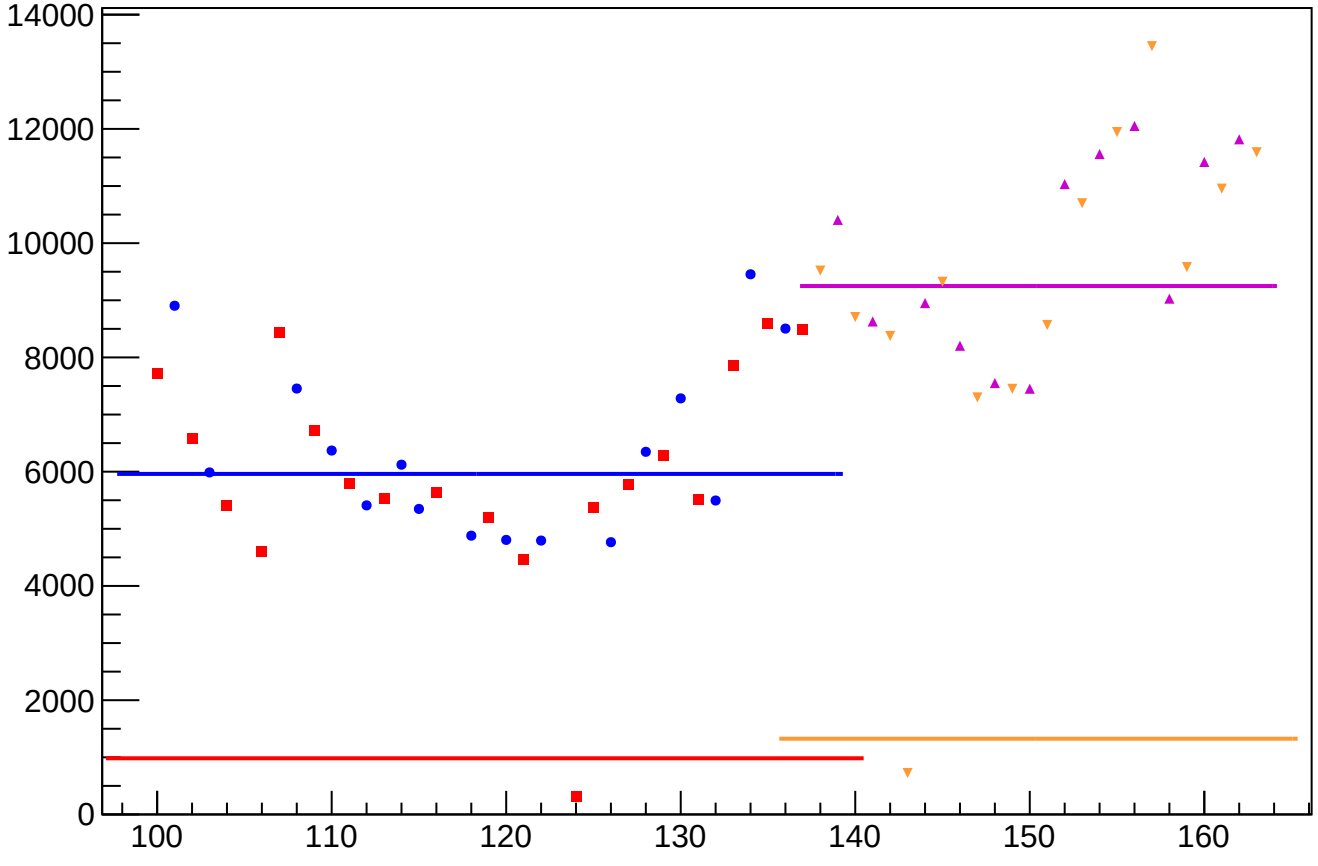
Left In: -2142.797+/-2924.511 χ^2/NDF:6.6/11

+ sign -1133.185+/-736.434 χ^2/NDF: 36.3/29

All: -870.756+/-523.069 χ^2/NDF: 61.9/60

- sign -603.575+/-743.073 χ^2/NDF: 25.3/30

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1325.782+/-0.550 χ^2/NDF:16353820.1/13

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

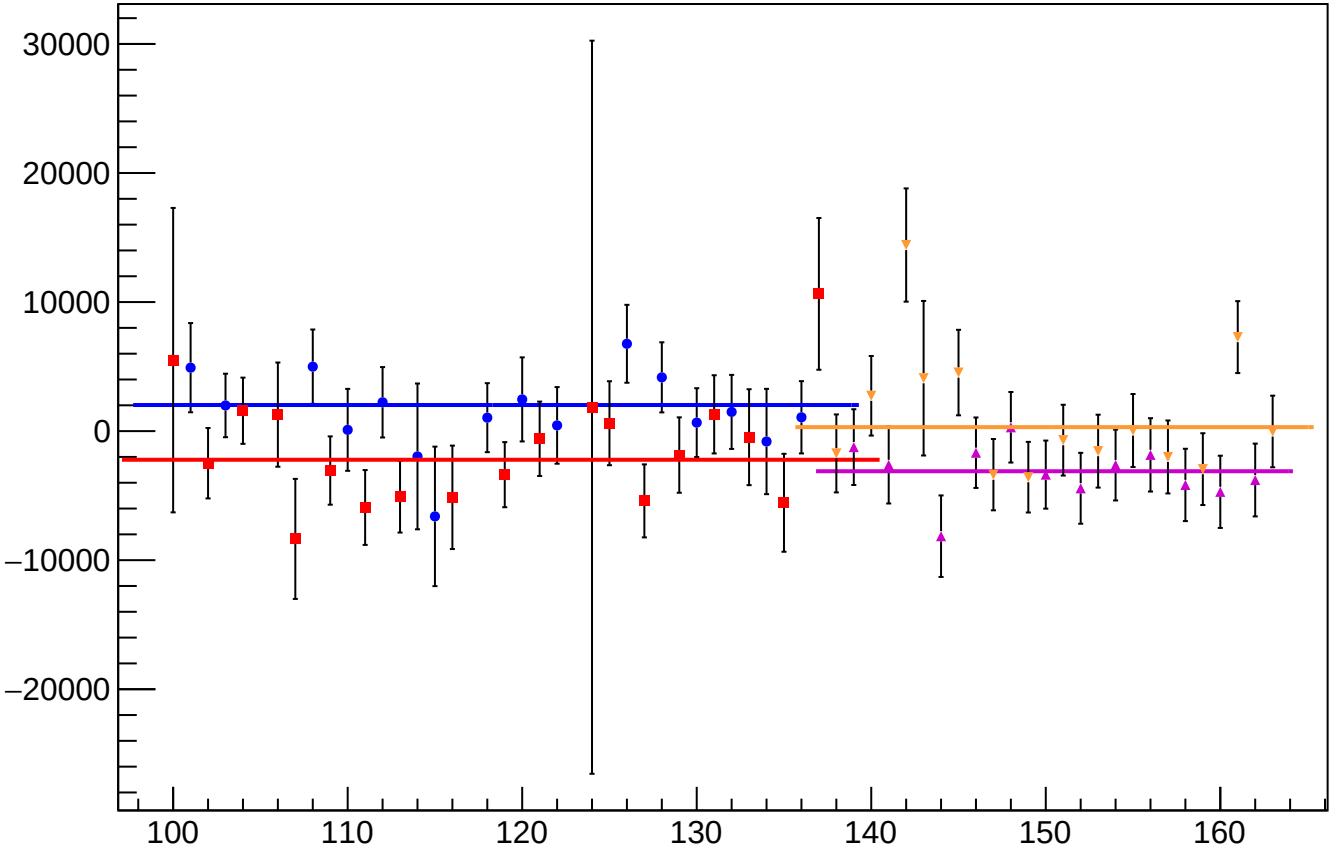
Left In: 9249.924+/-2.068 χ^2/NDF:589447.7/11

+ sign 1809.965+/-0.521 χ^2/NDF: 24454605.1/29

All: 1664.797+/-0.370 χ^2/NDF: 51565975.1/6

- sign 1517.000+/-0.525 χ^2/NDF: 26954533.0/30

cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

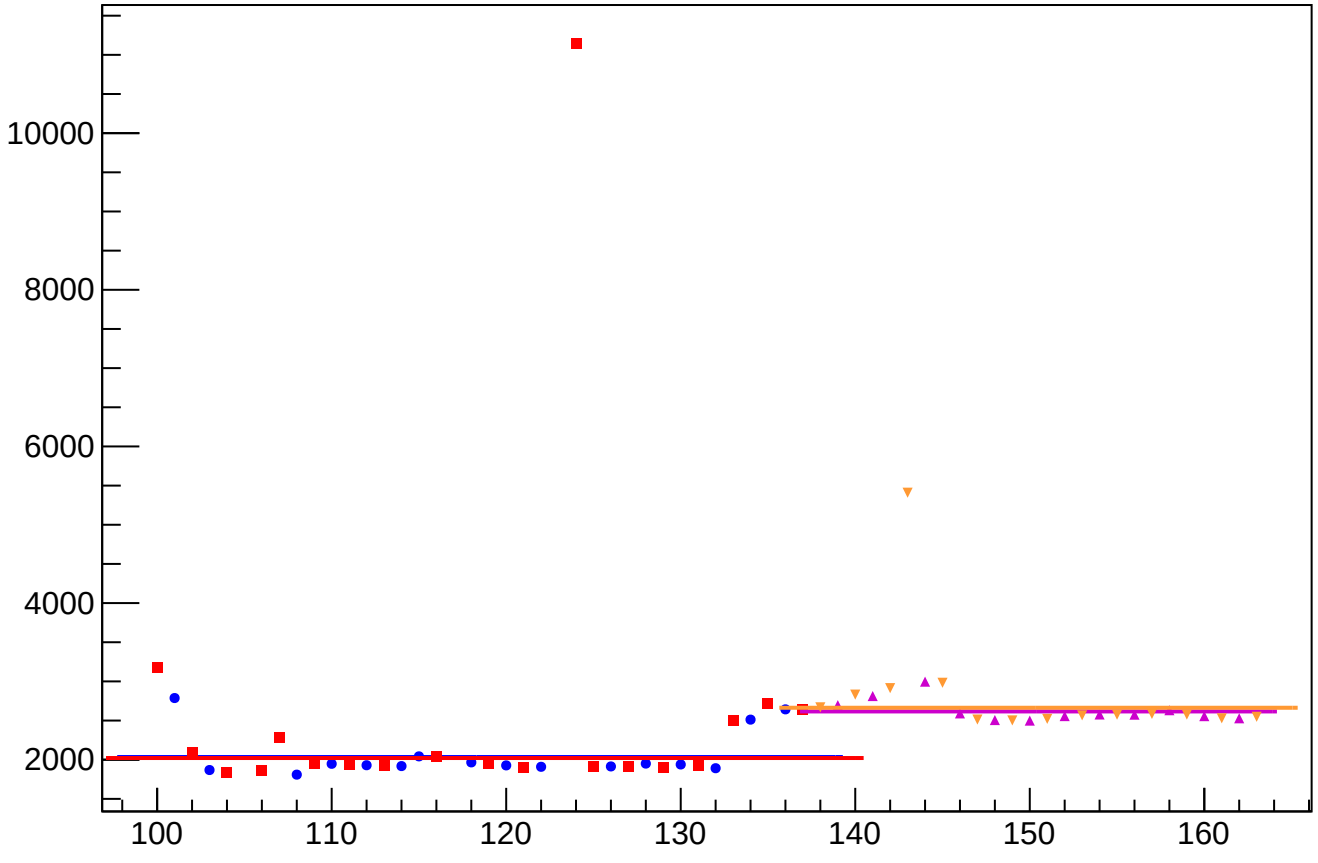
Left In: -3108.960+/-813.848 χ^2/NDF:5.8/11

+ sign 1209.371+/-554.010 χ^2/NDF: 38.1/29

All: -711.198+/-391.724 χ^2/NDF: 86.7/60

- sign -2631.370+/-553.953 χ^2/NDF: 24.6/30

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

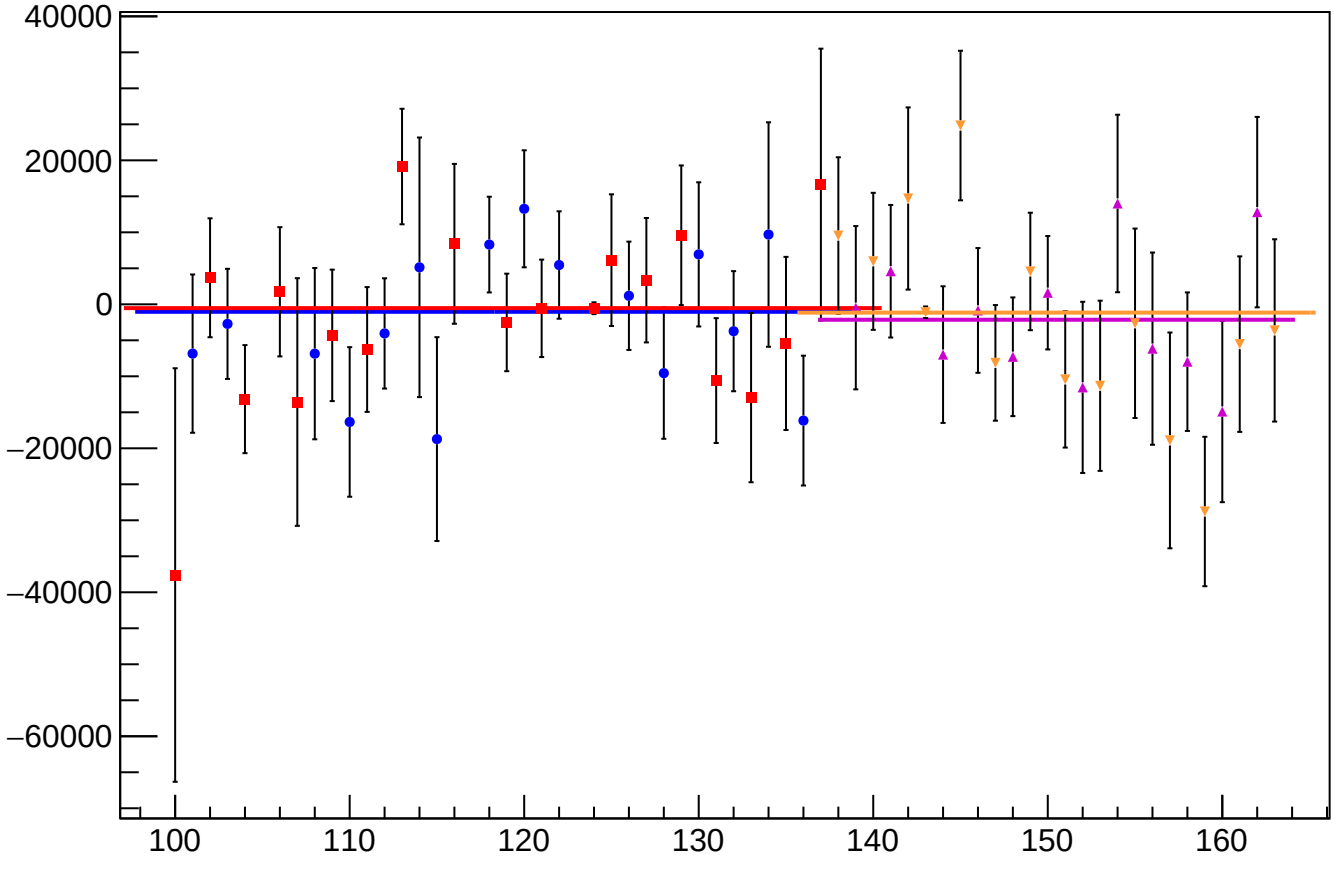
Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.7/29

All: 2314.984+/-0.277 χ^2/NDF: 2411187.1/60

- sign 2297.120+/-0.392 χ^2/NDF: 1014749.3/30

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1154.244+/-778.131 χ^2/NDF:21.0/13

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

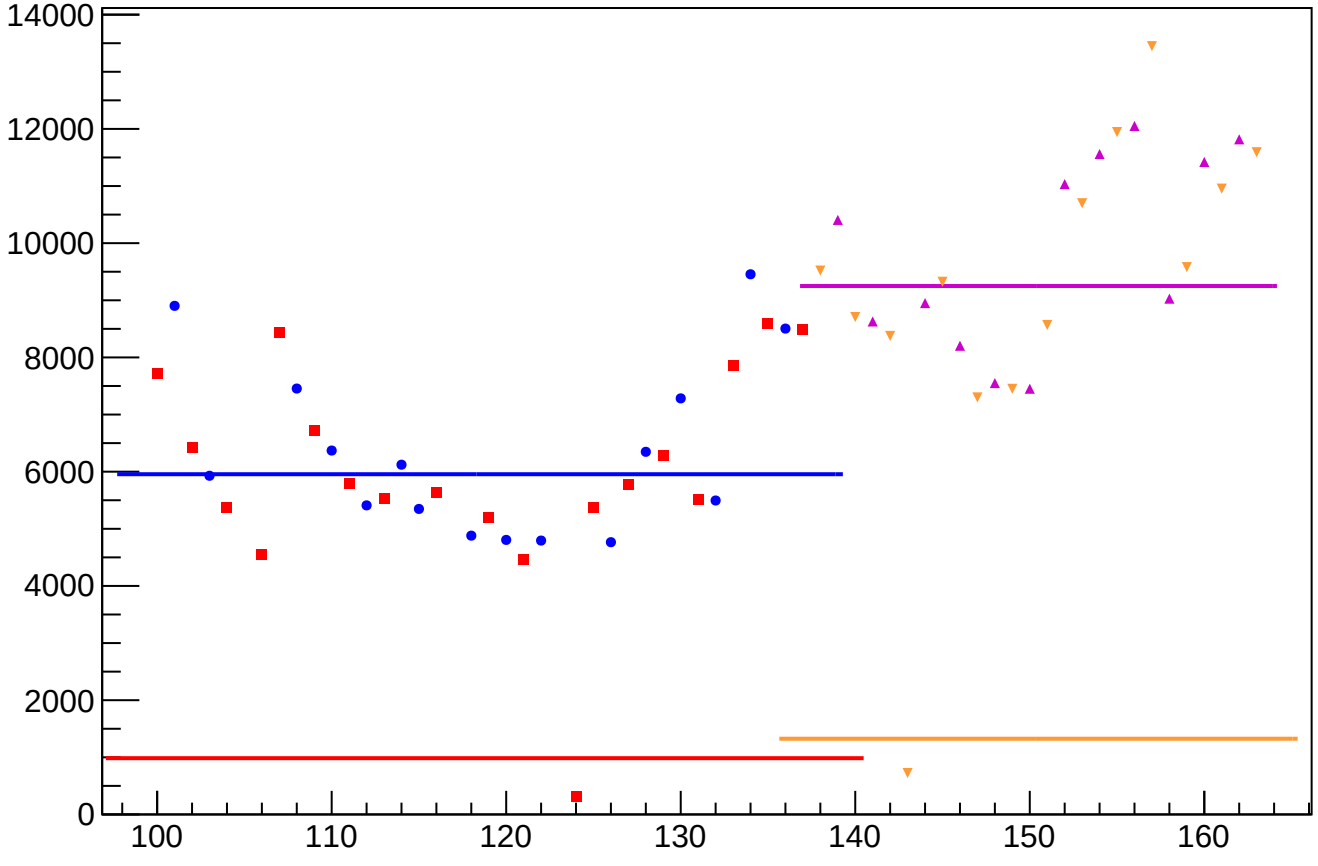
Left In: -2142.939+/-2924.508 χ^2/NDF:6.6/11

+ sign -1142.074+/-736.295 χ^2/NDF: 36.4/29

All: -890.588+/-522.912 χ^2/NDF: 61.5/60

- sign -634.663+/-742.766 χ^2/NDF: 24.9/30

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

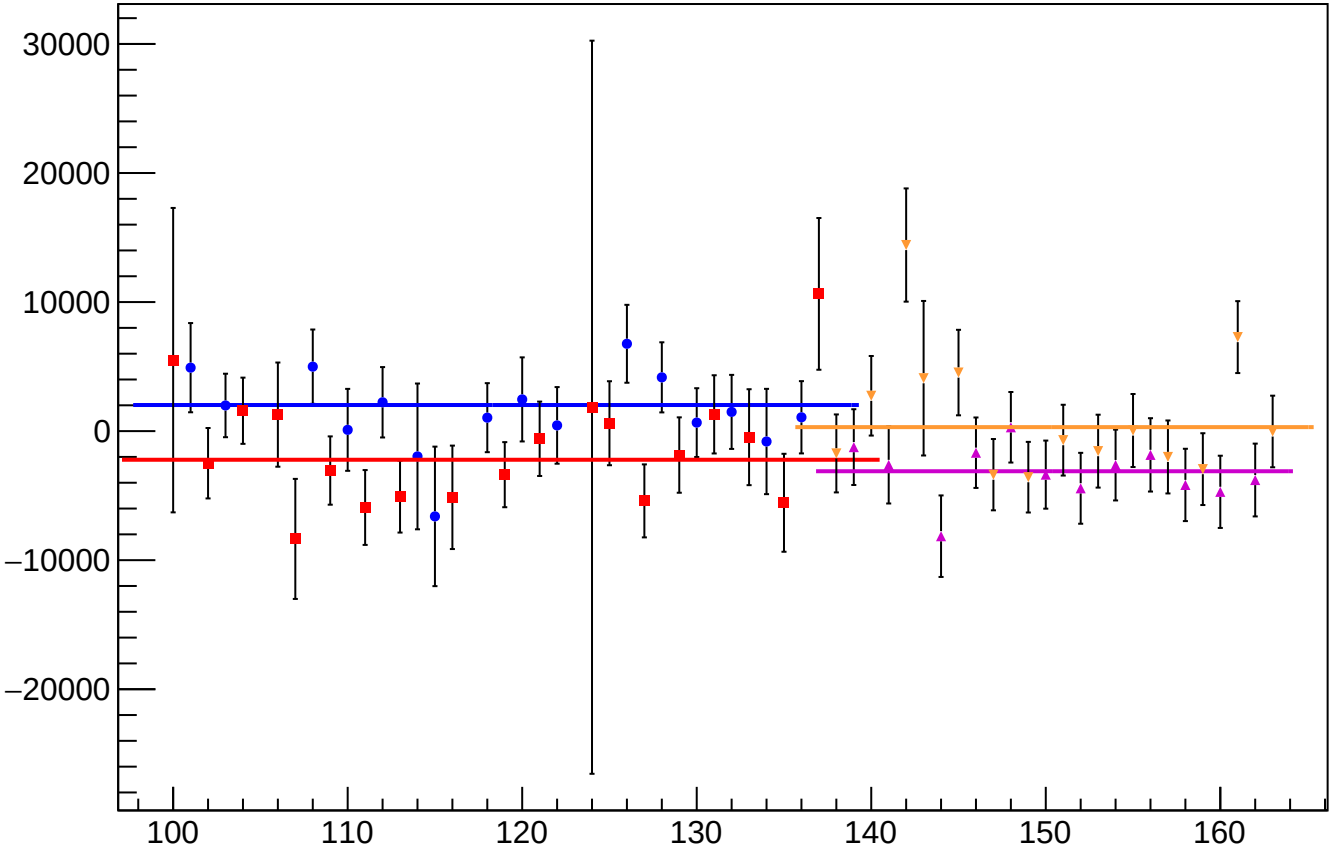
Left In: 9249.915+/-2.068 χ^2/NDF:589453.2/11

+ sign 1810.088+/-0.521 χ^2/NDF: 24452816.1/29

All: 1665.409+/-0.370 χ^2/NDF: 51553909.1/6

- sign 1518.176+/-0.525 χ^2/NDF: 26945286.7/30

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

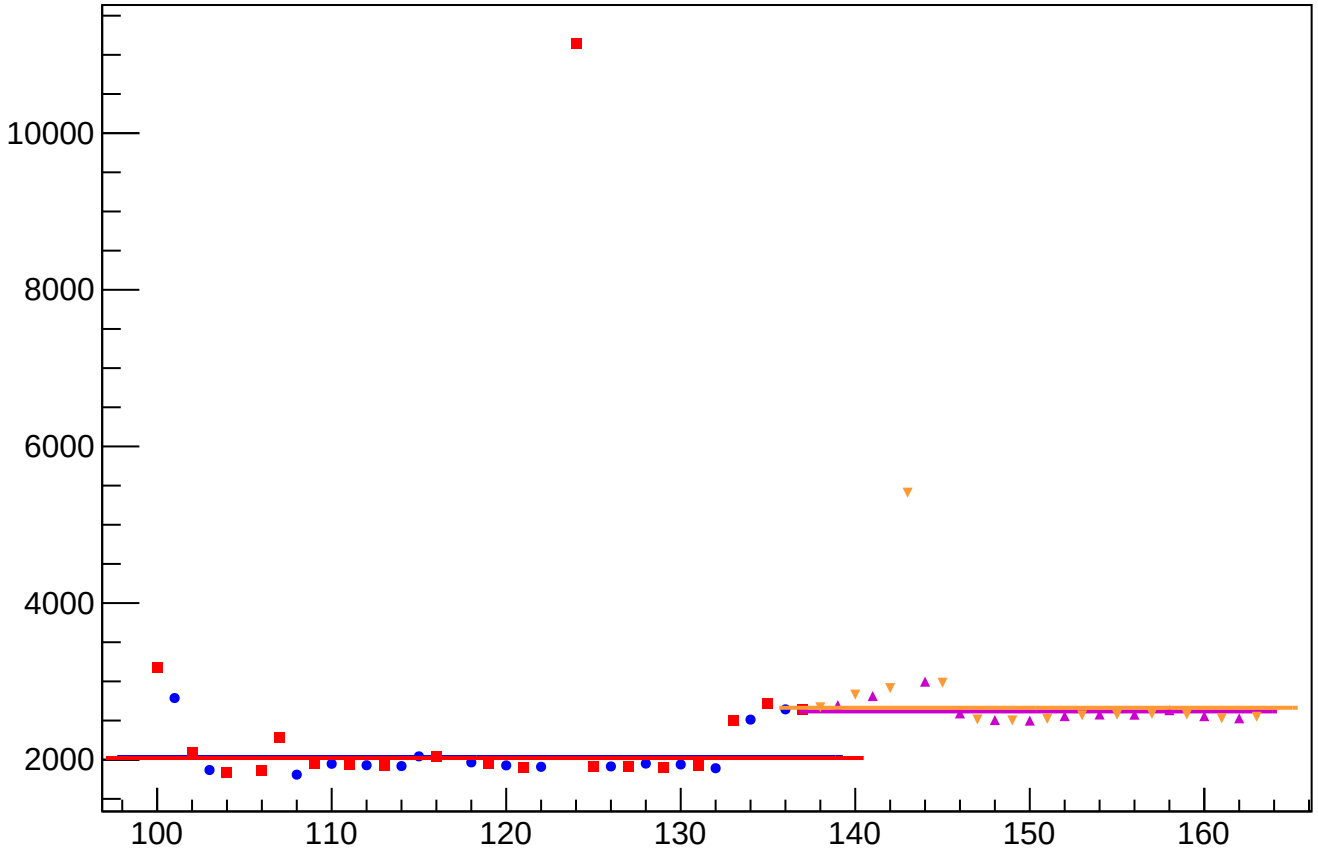
Left In: -3108.960+/-813.848 χ^2/NDF:5.8/11

+ sign 1209.371+/-554.010 χ^2/NDF: 38.1/29

All: -711.198+/-391.724 χ^2/NDF: 86.7/60

- sign -2631.370+/-553.953 χ^2/NDF: 24.6/30

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

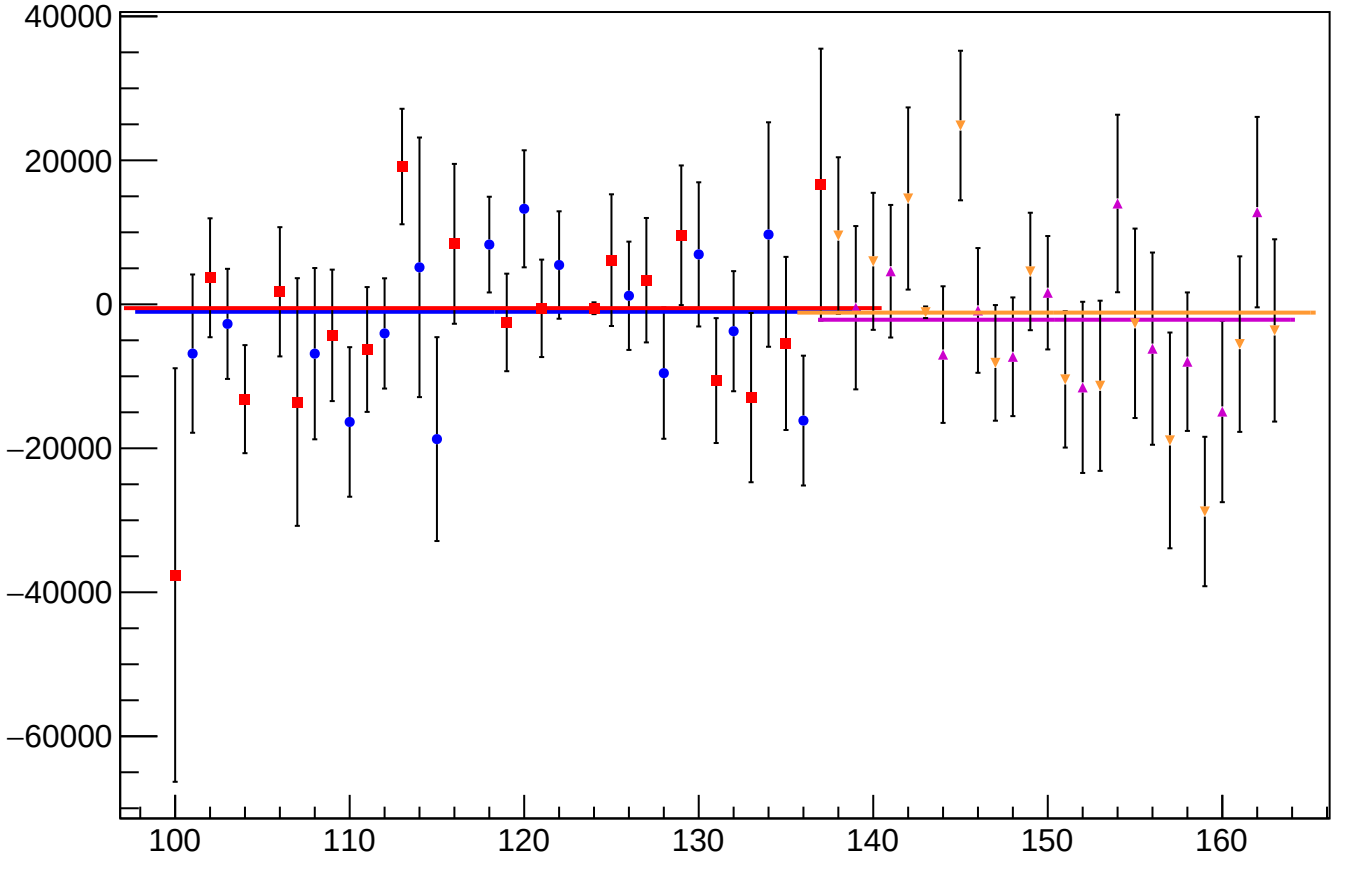
Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

+ sign 2332.851+/-0.392 χ^2/NDF: 1392277.7/29

All: 2314.984+/-0.277 χ^2/NDF: 2411187.1/60

- sign 2297.120+/-0.392 χ^2/NDF: 1014749.3/30

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1154.244+/-778.131 χ^2/NDF:21.0/13

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

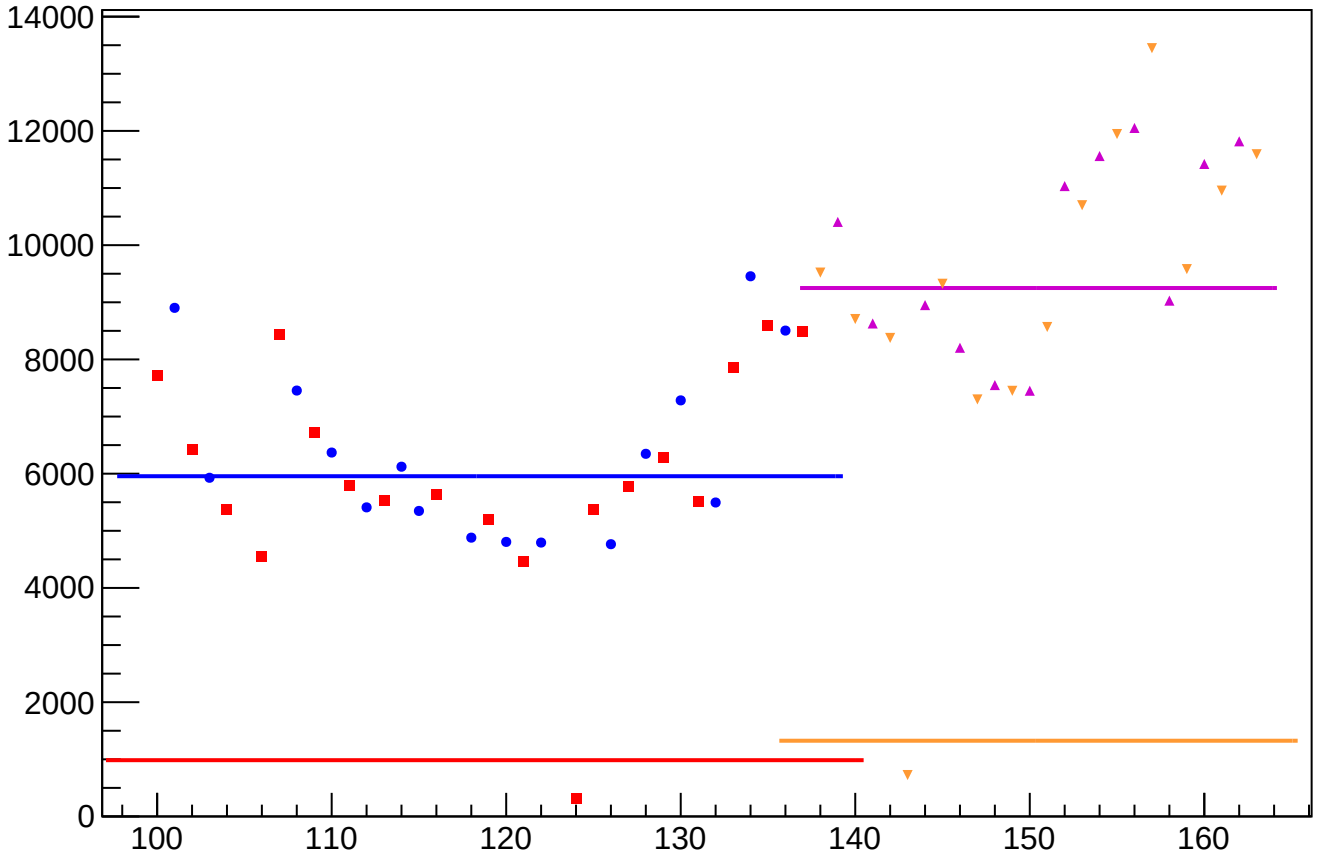
Left In: -2142.939+/-2924.508 χ^2/NDF:6.6/11

+ sign -1142.074+/-736.295 χ^2/NDF: 36.4/29

All: -890.588+/-522.912 χ^2/NDF: 61.5/60

- sign -634.663+/-742.766 χ^2/NDF: 24.9/30

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

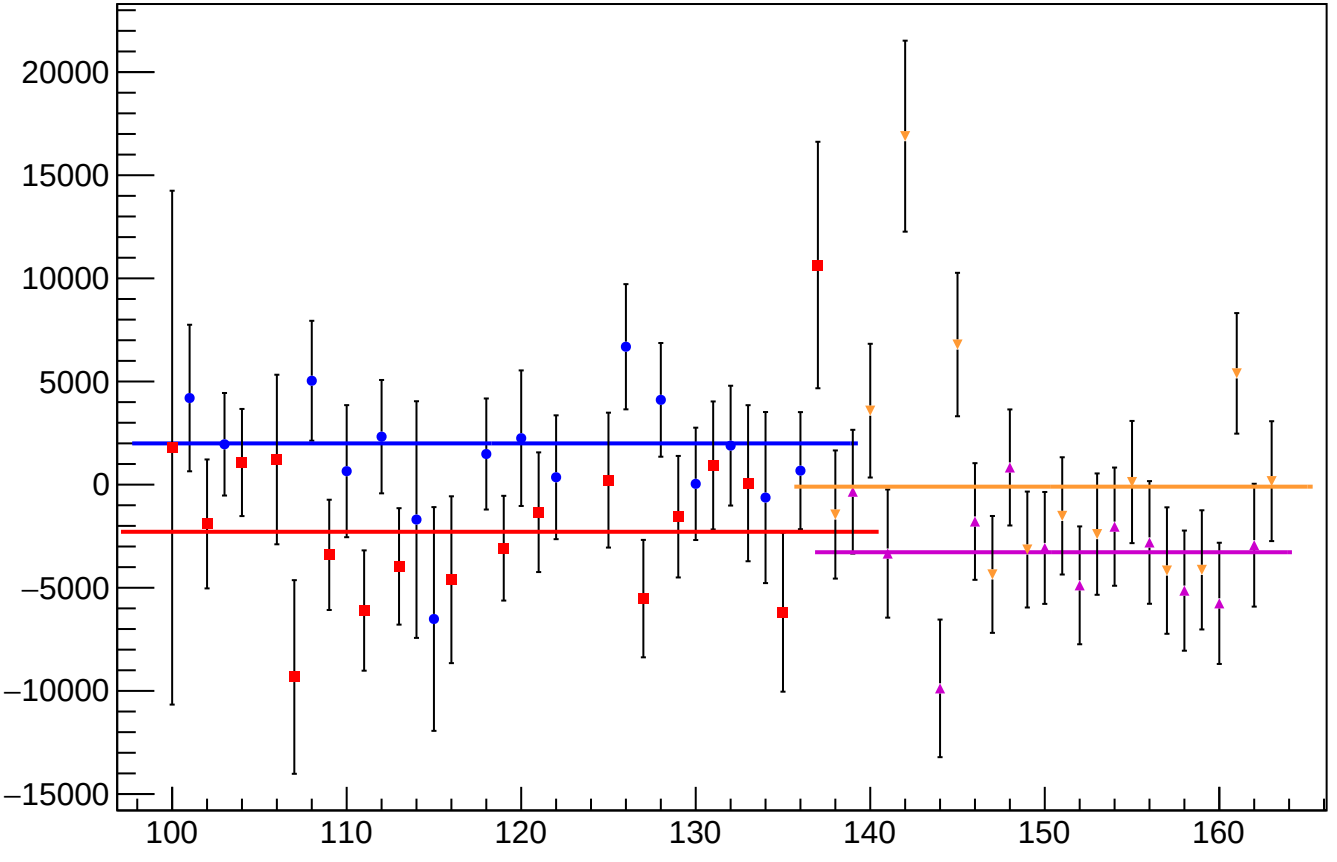
Left In: 9249.915+/-2.068 χ^2/NDF:589453.2/11

+ sign 1810.088+/-0.521 χ^2/NDF: 24452816.1/29

All: 1665.409+/-0.370 χ^2/NDF: 51553909.1/6

- sign 1518.176+/-0.525 χ^2/NDF: 26945286.7/30

dit_asym_atl2_mean vs Slug



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.188+/-846.854 χ^2/NDF:30.4/12

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

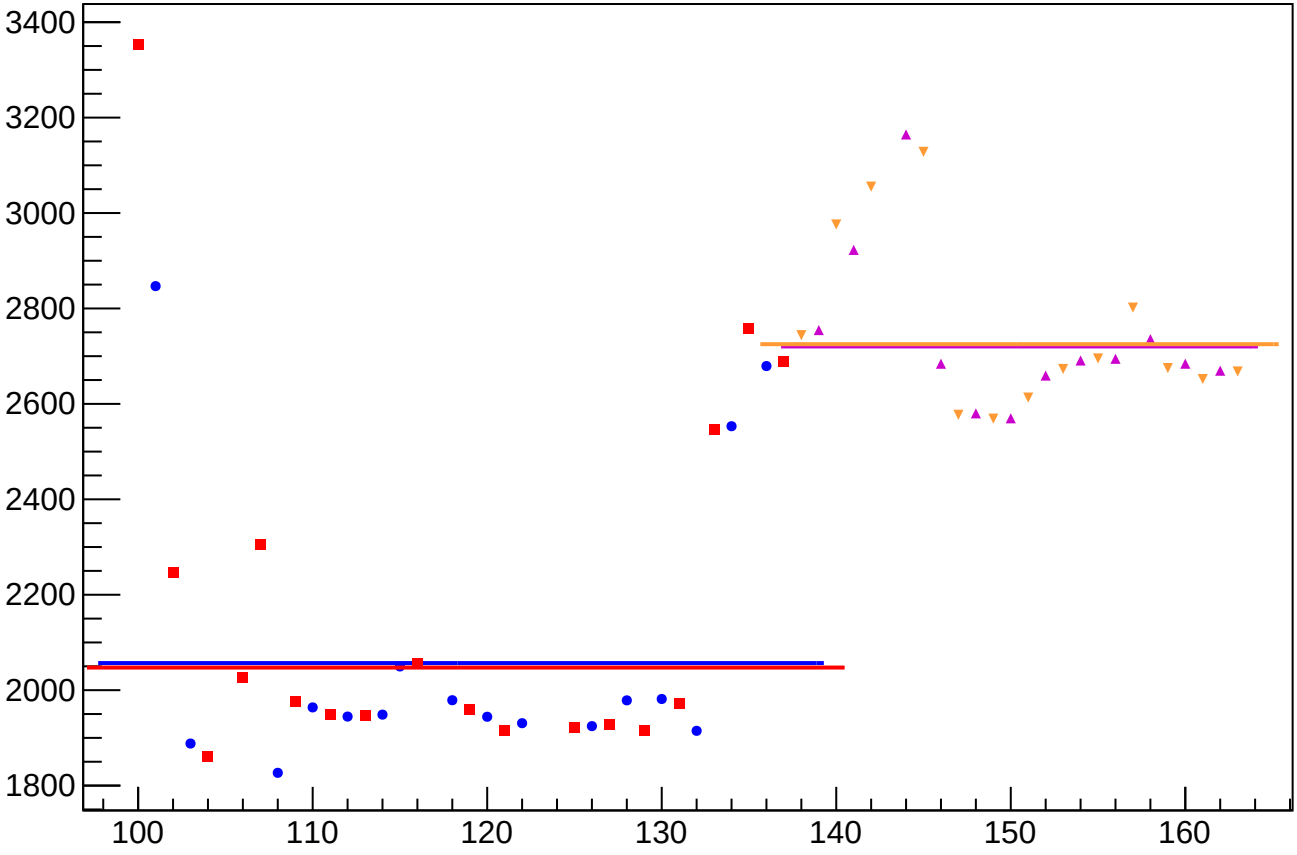
Left In: -3277.182+/-846.422 χ^2/NDF:9.0/11

+ sign 1045.218+/-571.138 χ^2/NDF: 42.8/28

All: -848.623+/-403.489 χ^2/NDF: 91.1/58

- sign -2735.607+/-570.103 χ^2/NDF: 26.4/29

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.096+/-0.599 χ^2/NDF:68540.1/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

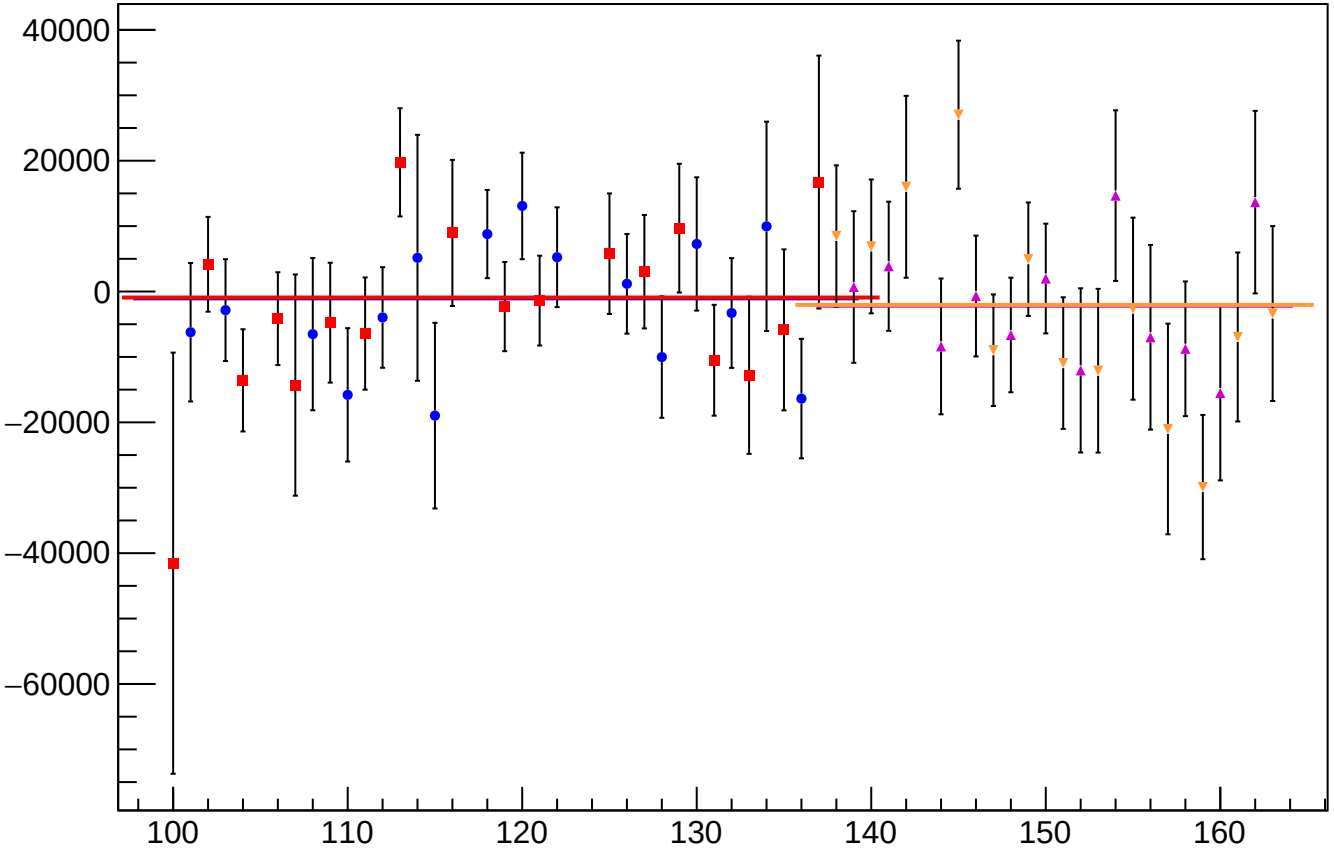
Left In: 2720.335+/-0.599 χ^2/NDF:57900.4/11

+ sign 2360.770+/-0.404 χ^2/NDF: 1018004.2/28

All: 2356.464+/-0.285 χ^2/NDF: 1964259.5/58

- sign 2352.181+/-0.403 χ^2/NDF: 946028.5/29

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2045.264+/-3112.381 χ^2/NDF:20.7/12

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

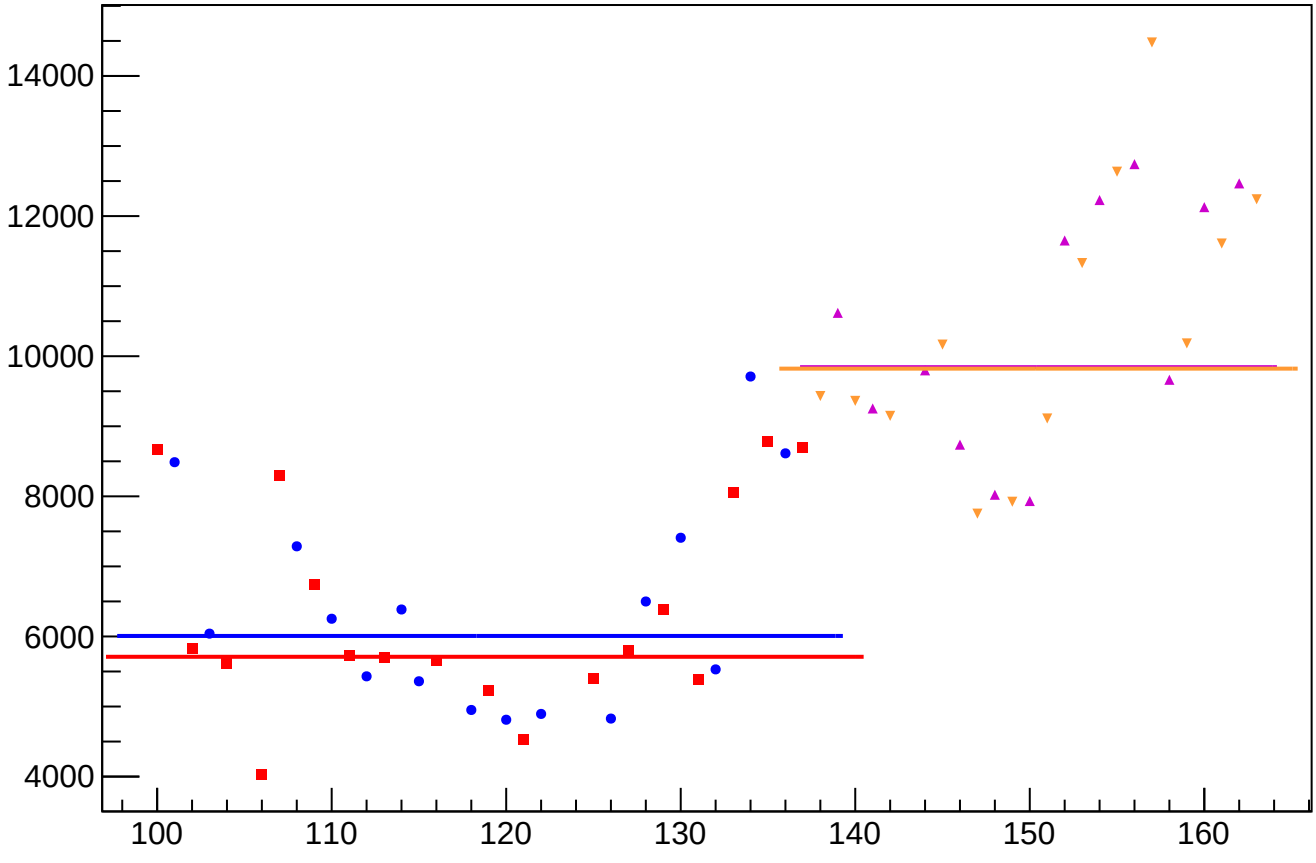
Left In: -2166.529+/-3110.313 χ^2/NDF:6.4/11

+ sign -1395.621+/-1846.926 χ^2/NDF: 36.0/28

All: -1357.768+/-1277.565 χ^2/NDF: 60.9/58

- sign -1323.039+/-1769.087 χ^2/NDF: 24.9/29

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9822.724+/-2.201 χ^2/NDF:620467.5/12

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

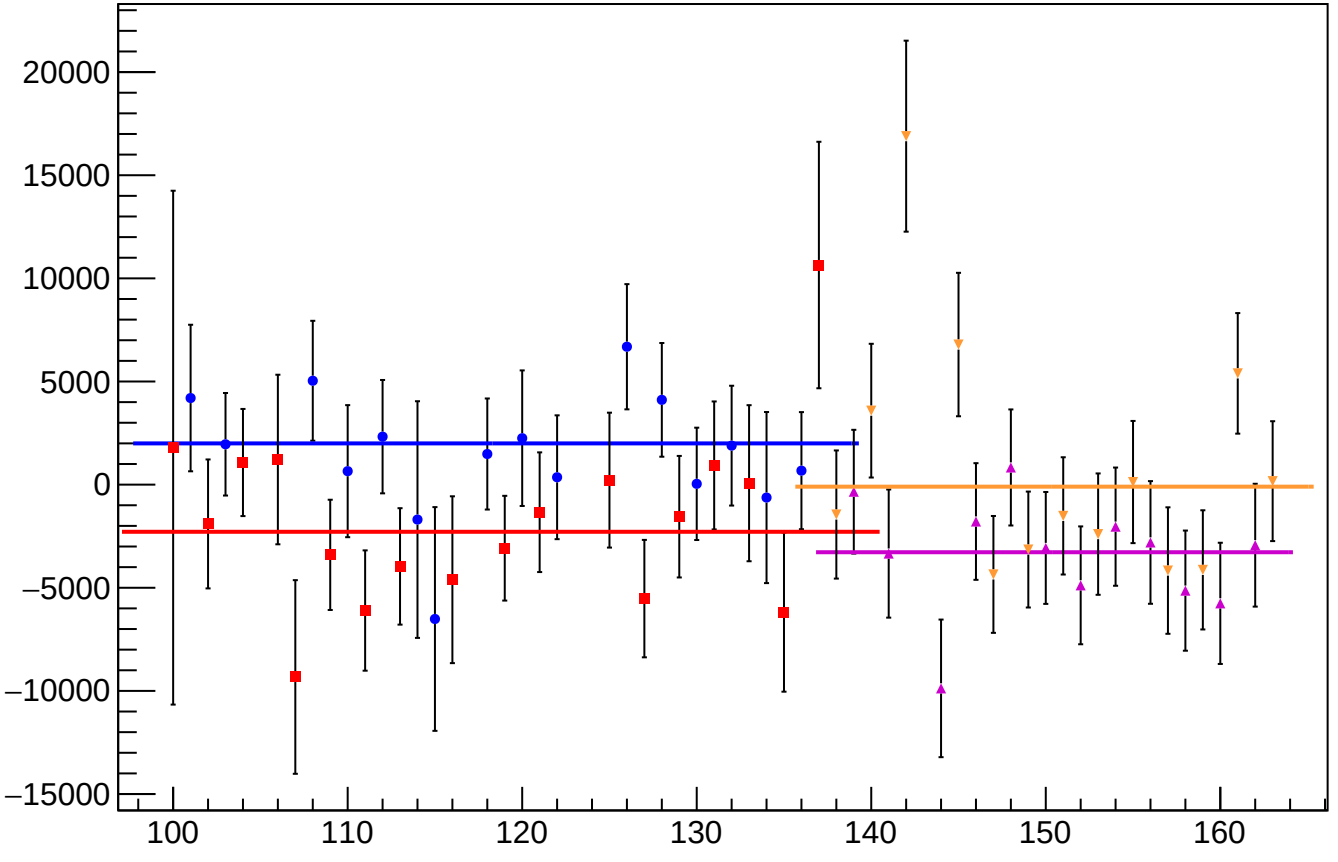
Left In: 9844.100+/-2.199 χ^2/NDF:557429.8/11

+ sign 7350.938+/-1.306 χ^2/NDF: 3221544.9/28

All: 7192.619+/-0.903 χ^2/NDF: 6733446.0/58

- sign 7047.365+/-1.251 χ^2/NDF: 3483722.0/29

eigen_dit_asym_atl2_mean vs Slug



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.196+/-846.855 χ^2/NDF:30.4/12

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

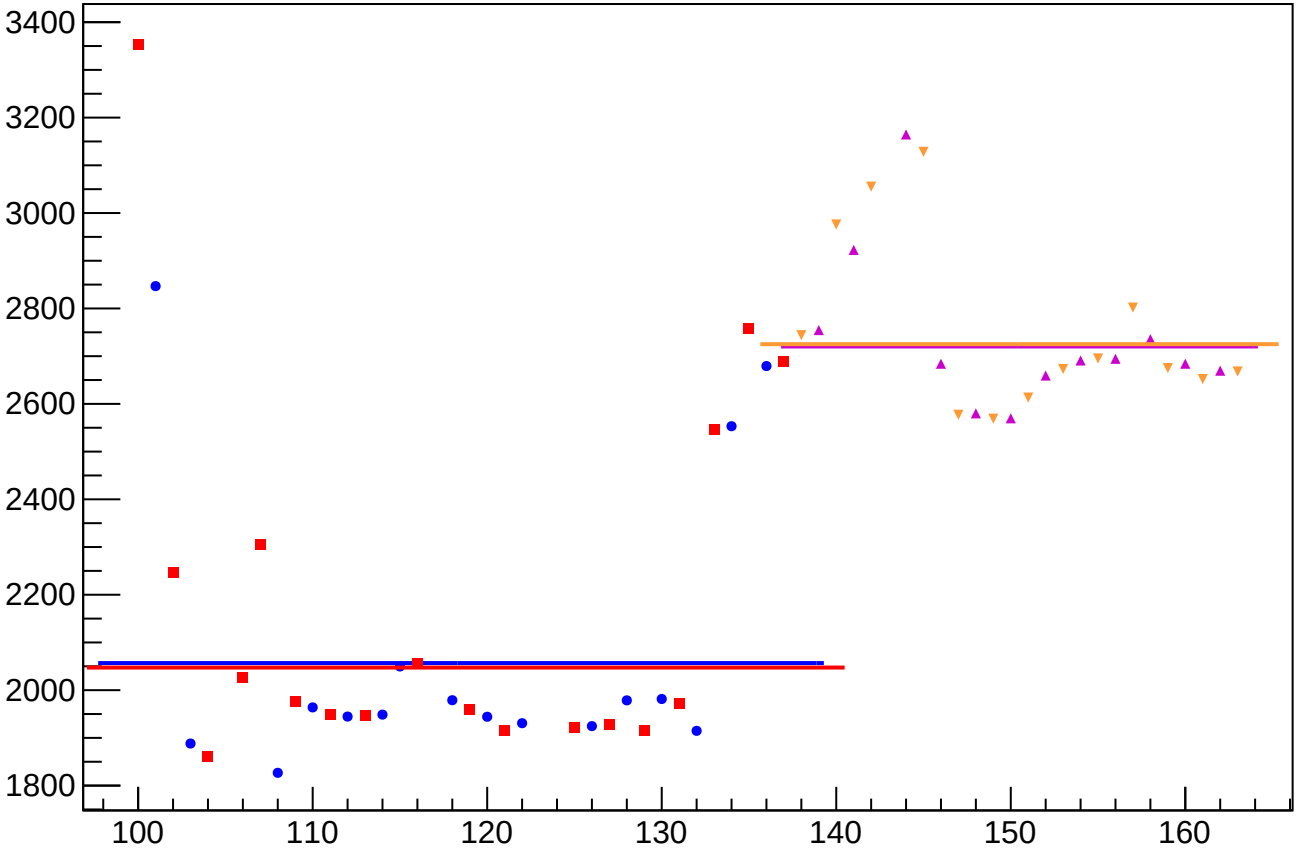
Left In: -3277.182+/-846.423 χ^2/NDF:9.0/11

+ sign 1045.218+/-571.138 χ^2/NDF: 42.8/28

All: -848.624+/-403.489 χ^2/NDF: 91.1/58

- sign -2735.608+/-570.103 χ^2/NDF: 26.4/29

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.099+/-0.599 χ^2/NDF:68541.3/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

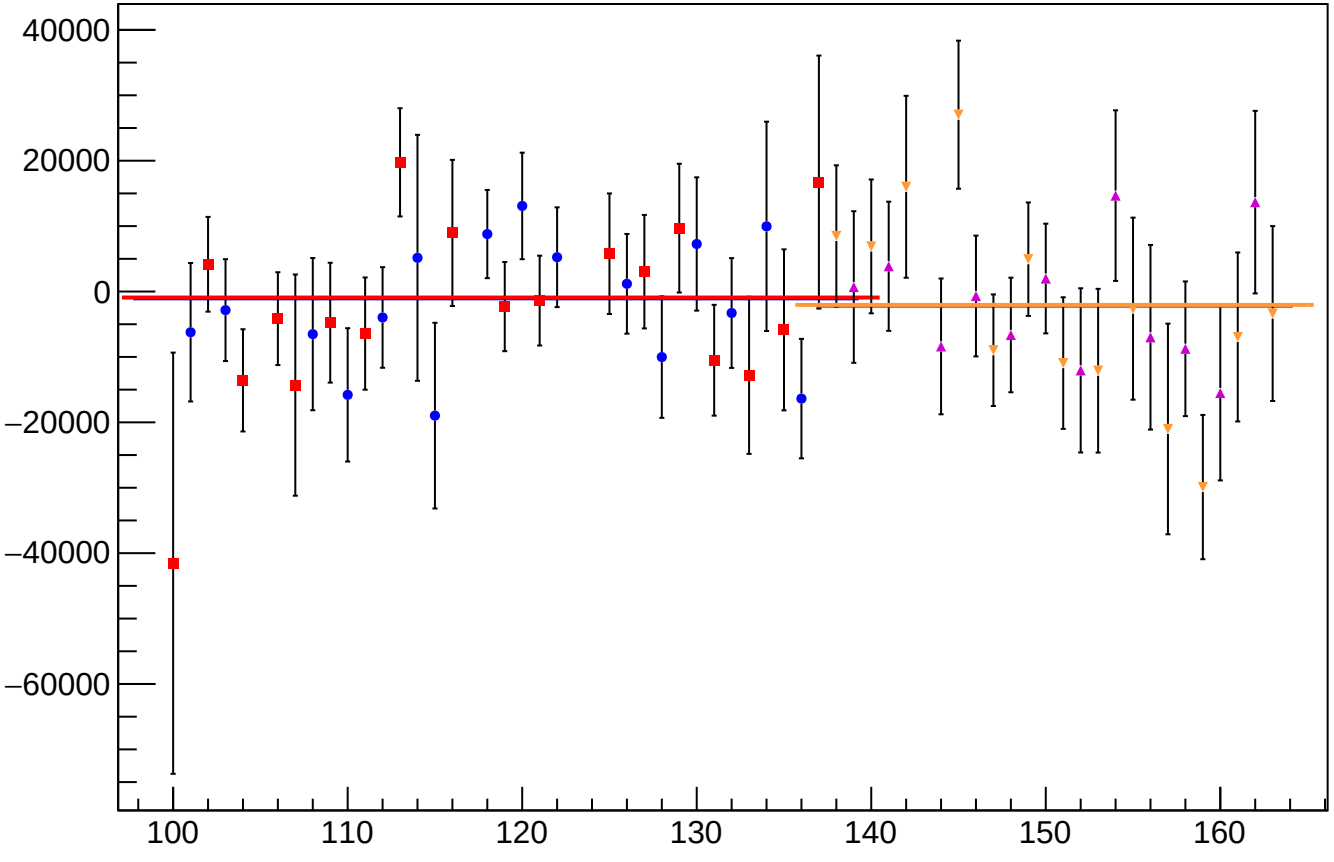
Left In: 2720.338+/-0.599 χ^2/NDF:57901.0/11

+ sign 2360.771+/-0.404 χ^2/NDF: 1018010.4/28

All: 2356.465+/-0.285 χ^2/NDF: 1964272.1/58

- sign 2352.182+/-0.403 χ^2/NDF: 946035.0/29

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2045.276+/-3112.386 χ^2/NDF:20.7/12

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

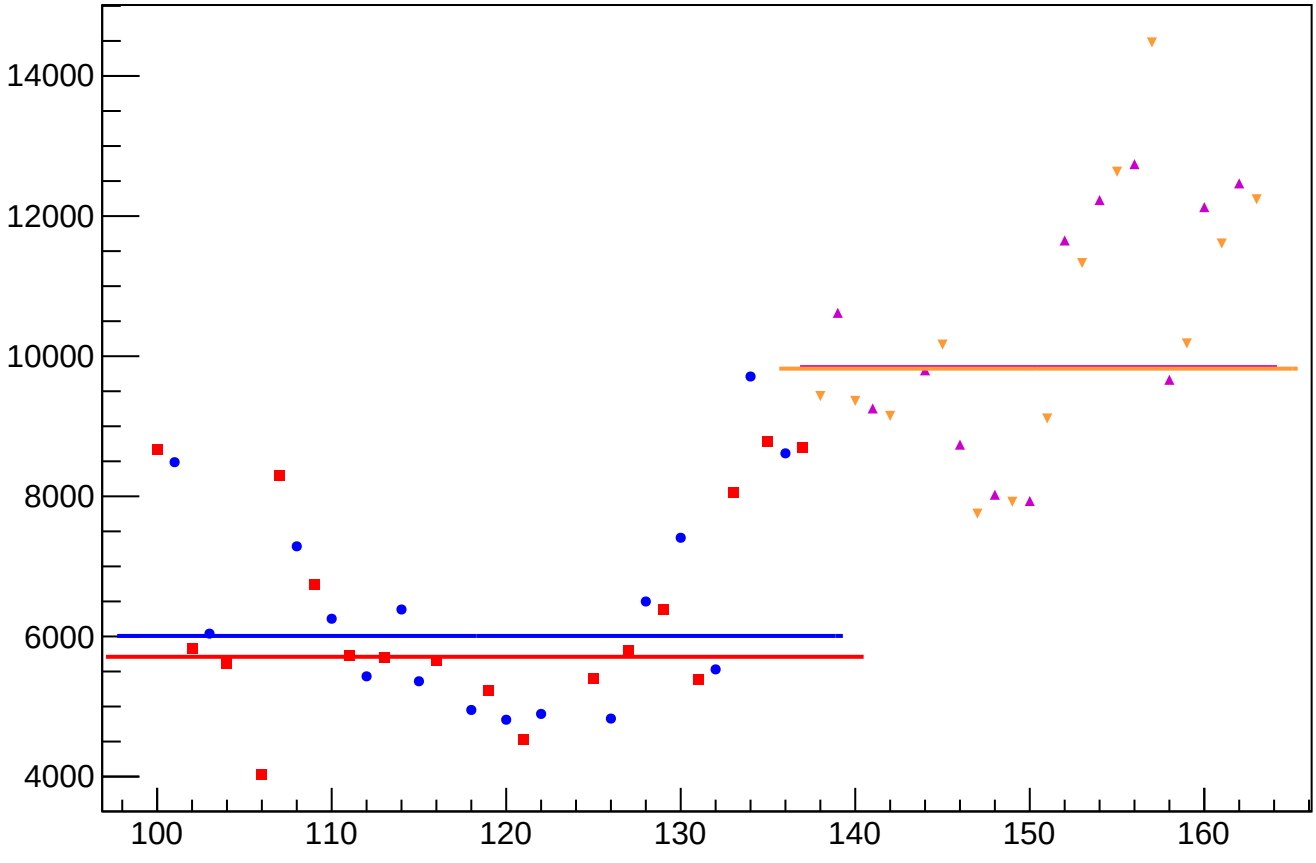
Left In: -2166.531+/-3110.317 χ^2/NDF:6.4/11

+ sign -1395.616+/-1846.923 χ^2/NDF: 36.0/28

All: -1357.766+/-1277.563 χ^2/NDF: 60.9/58

- sign -1323.040+/-1769.085 χ^2/NDF: 24.9/29

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9822.737+/-2.201 χ^2/NDF:620470.3/12

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

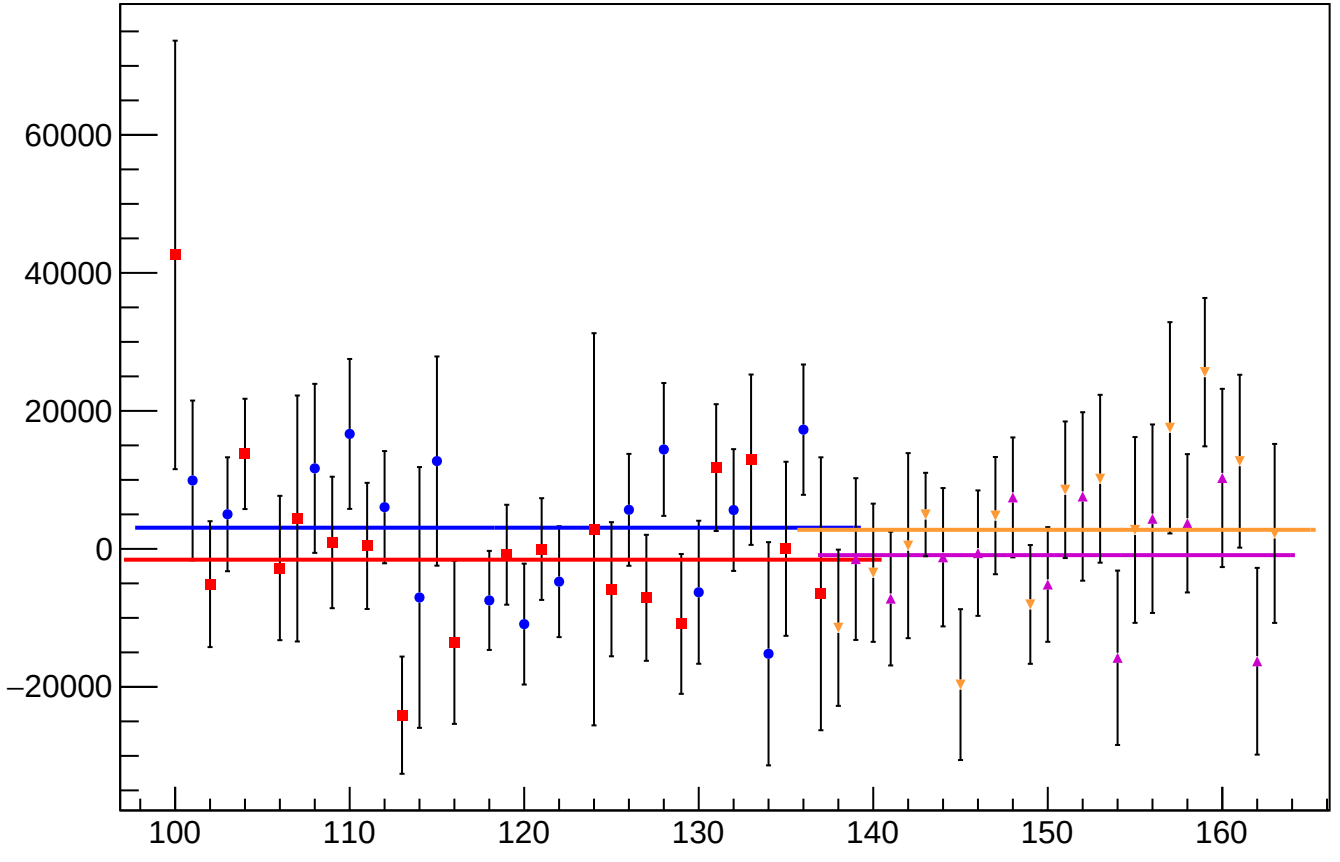
Left In: 9844.112+/-2.199 χ^2/NDF:557432.8/11

+ sign 7350.922+/-1.306 χ^2/NDF: 3221589.6/28

All: 7192.604+/-0.903 χ^2/NDF: 6733530.9/58

- sign 7047.349+/-1.251 χ^2/NDF: 3483762.4/29

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2764.114+/-2730.394 χ^2/NDF:14.8/13

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

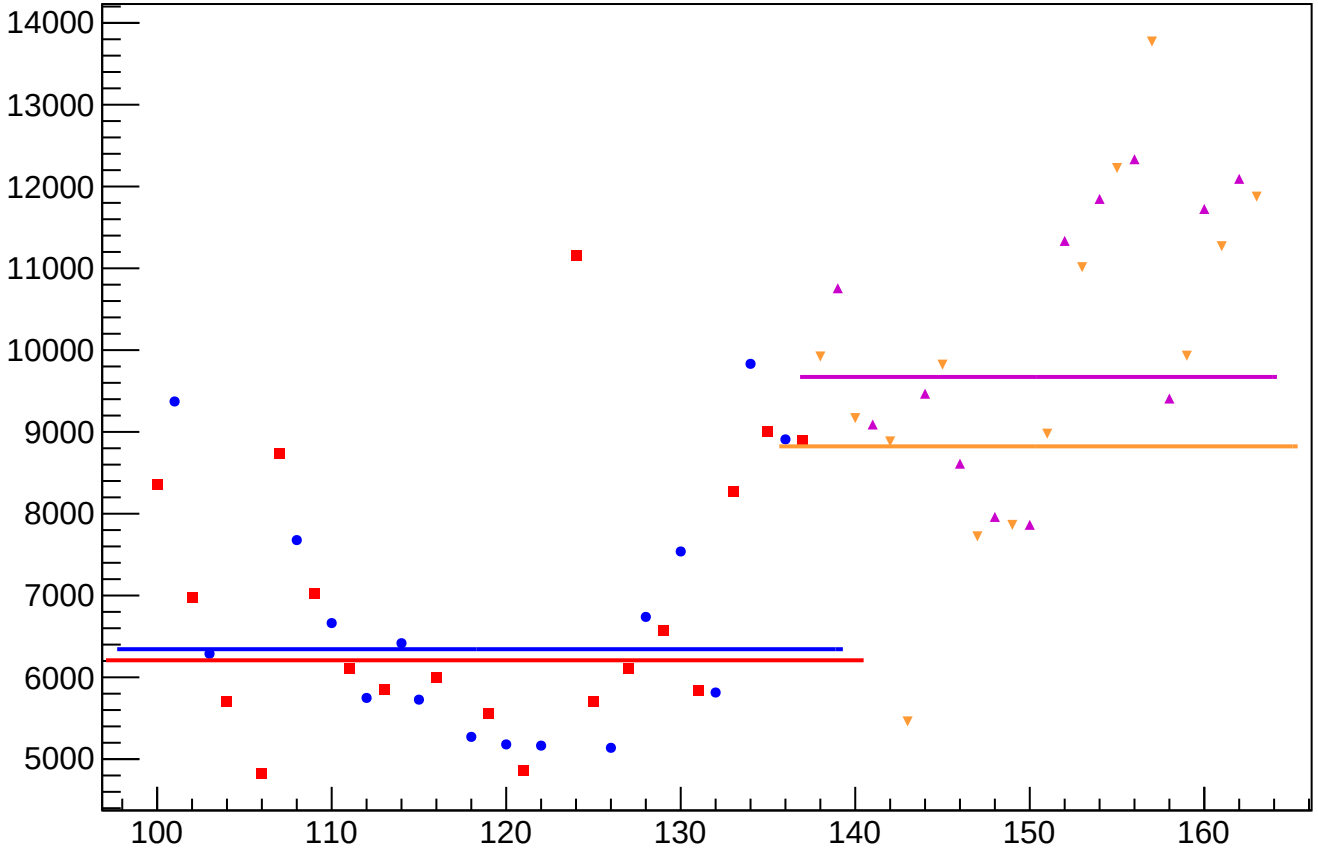
Left In: -907.332+/-3050.836 χ^2/NDF:5.9/11

+ sign 2935.544+/-1811.342 χ^2/NDF: 29.6/29

All: 856.480+/-1295.862 χ^2/NDF: 57.5/60

- sign -1323.260+/-1854.679 χ^2/NDF: 25.1/30

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8823.358+/-1.931 χ^2/NDF:1325846.1/13

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

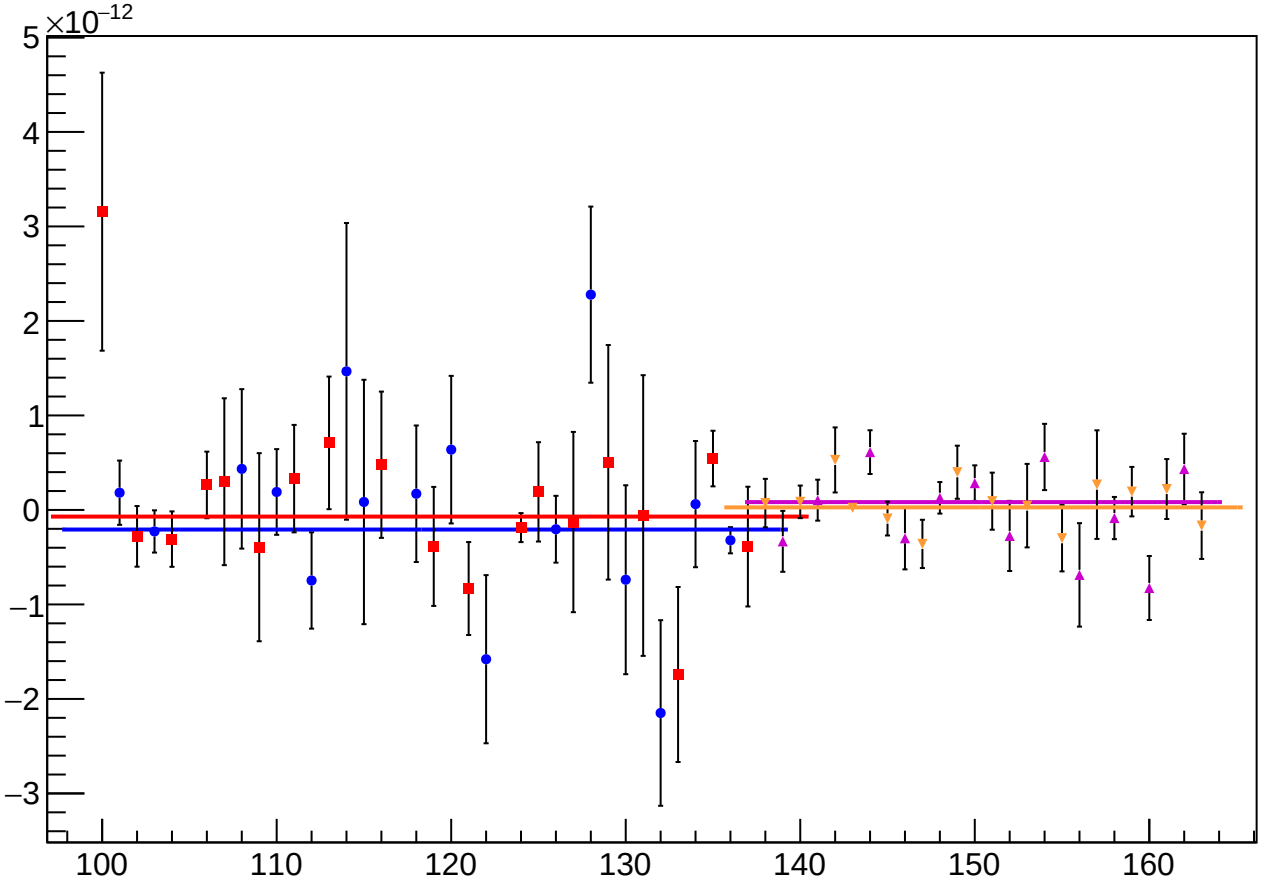
Left In: 9672.022+/-2.157 χ^2/NDF:512895.4/11

+ sign 7435.046+/-1.281 χ^2/NDF: 2870595.3/29

All: 7461.027+/-0.916 χ^2/NDF: 5481590.7/60

- sign 7488.266+/-1.311 χ^2/NDF: 2610152.5/30

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:8.9/13

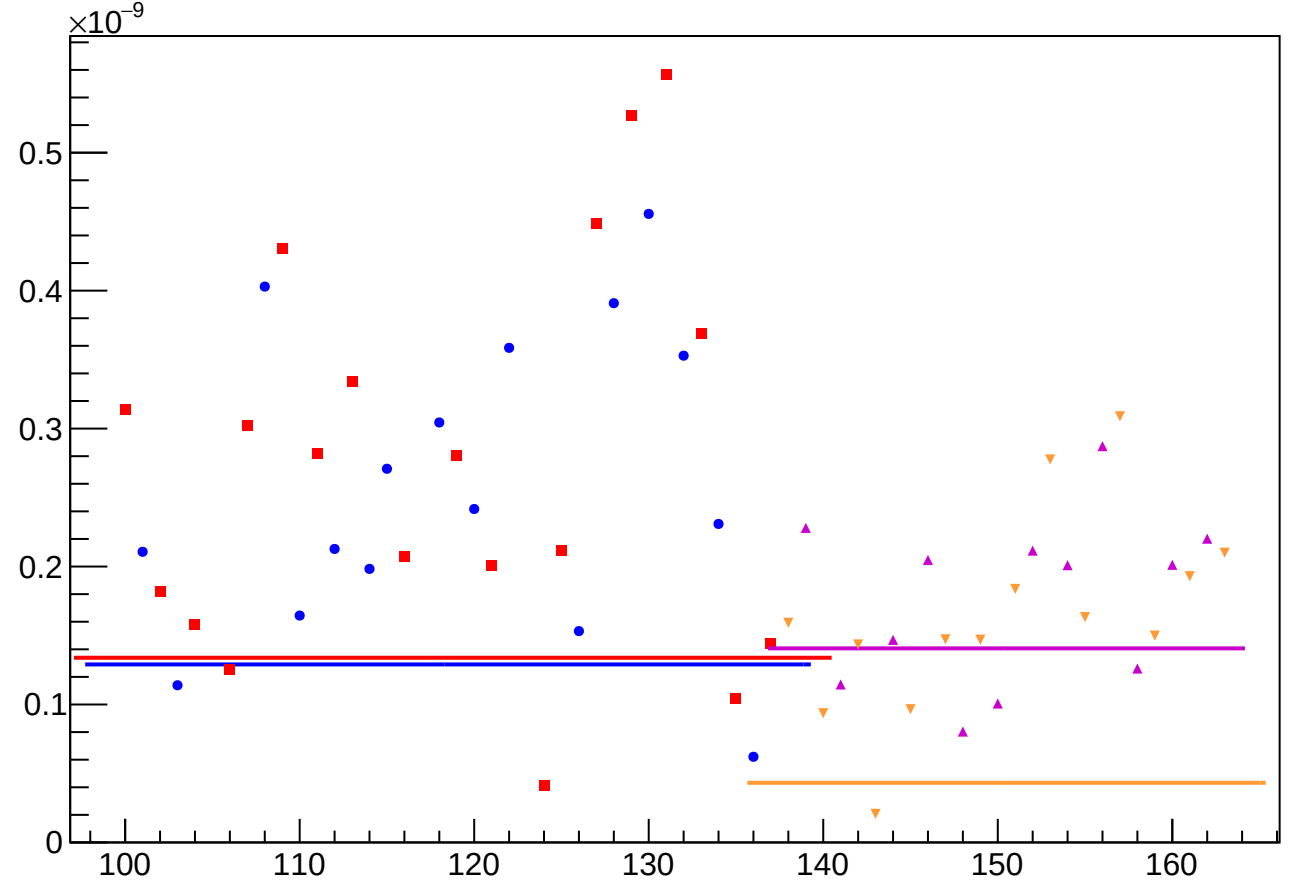
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 35.3/29

All: 0.000+/-0.000 χ^2/NDF: 80.8/60

- sign 0.000+/-0.000 χ^2/NDF: 45.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5216071.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

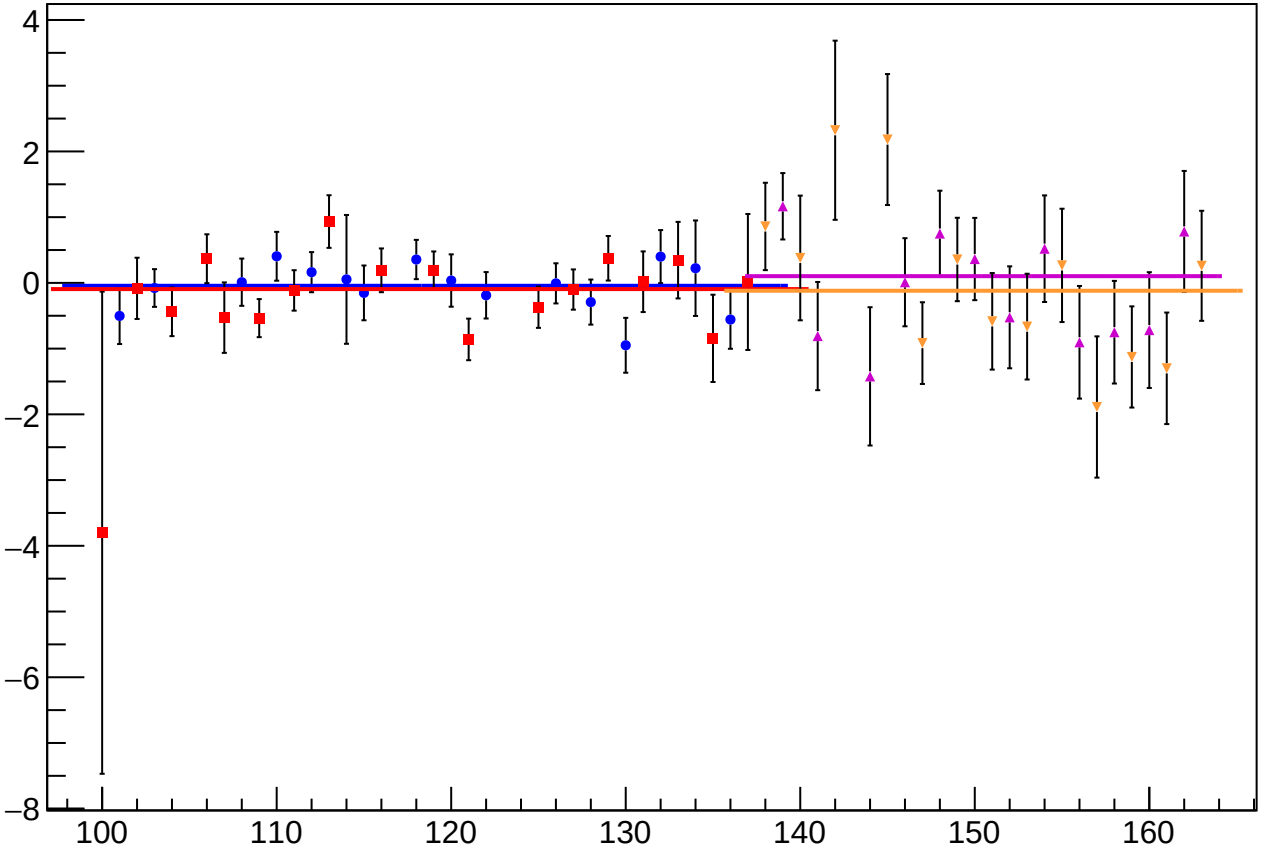
Left In: 0.000+/-0.000 χ^2/NDF:1042548.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 8391809.5/29

All: 0.000+/-0.000 χ^2/NDF: 15098510.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3353286.6/30

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

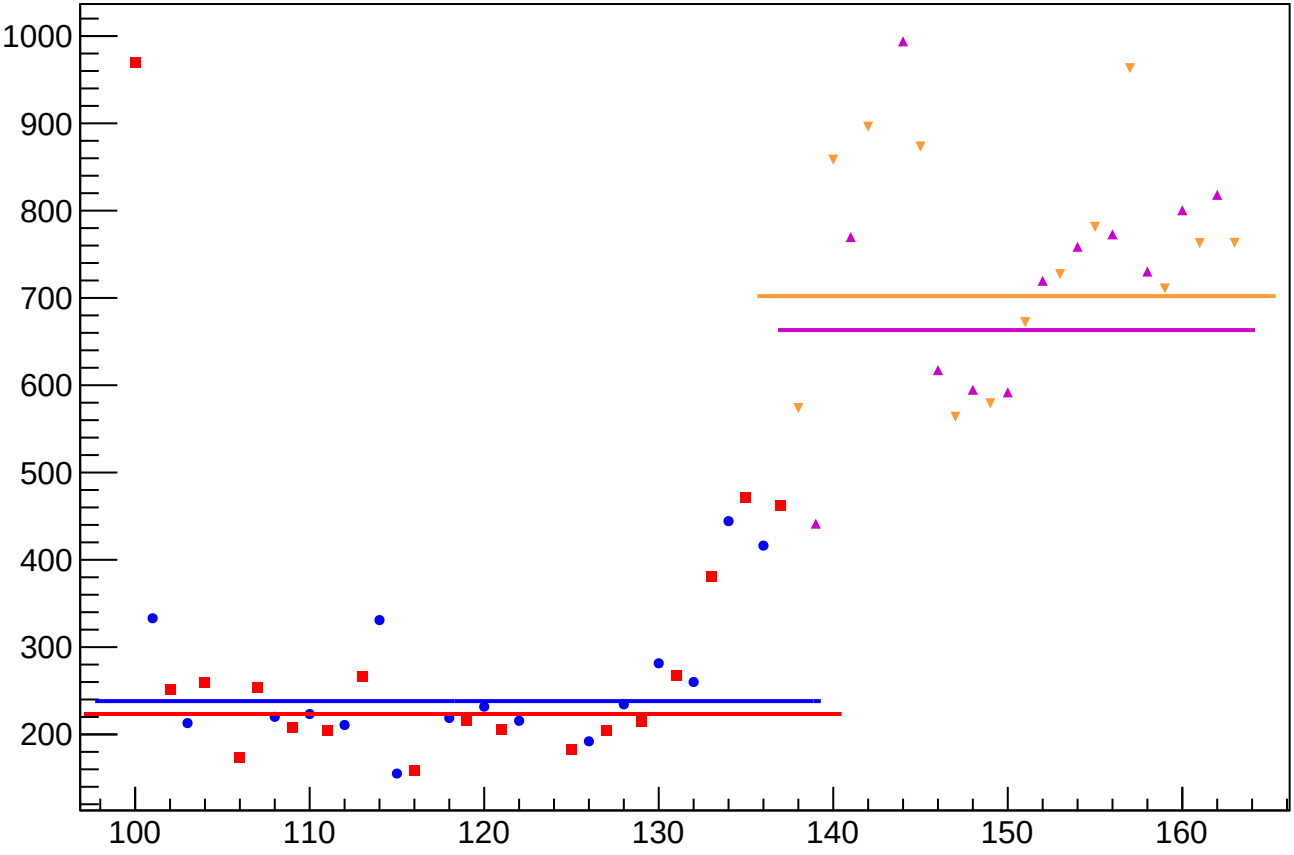
Left In: 0.102+/-0.213 χ^2/NDF:13.8/11

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.060+/-0.060 χ^2/NDF: 73.8/58

- sign -0.064+/-0.083 χ^2/NDF: 39.8/29

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

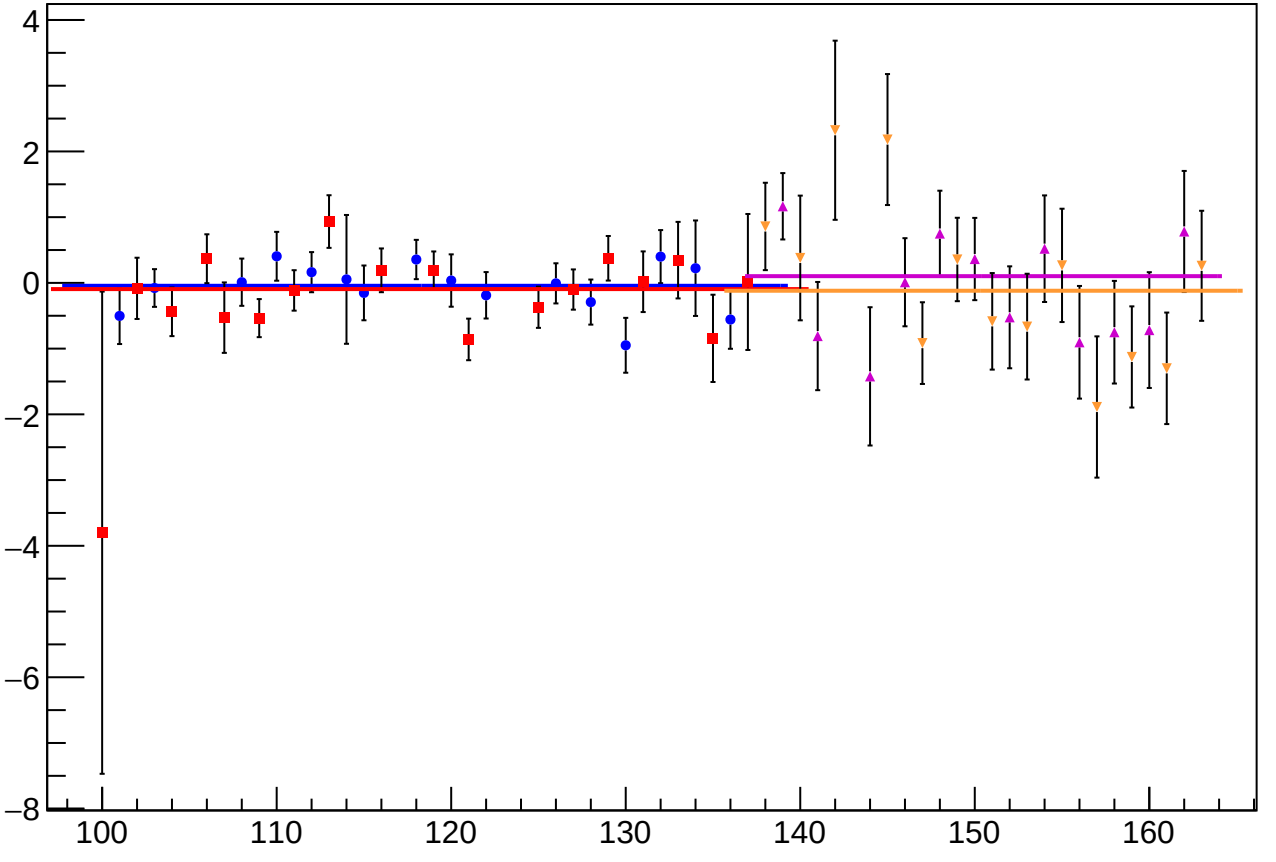
Left In: 663.190+/-0.150 χ^2/NDF:865090.0/11

+ sign 307.898+/-0.061 χ^2/NDF: 8724977.0/28

All: 298.662+/-0.042 χ^2/NDF: 17742541.8/58

- sign 290.167+/-0.059 χ^2/NDF: 8973752.0/29

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

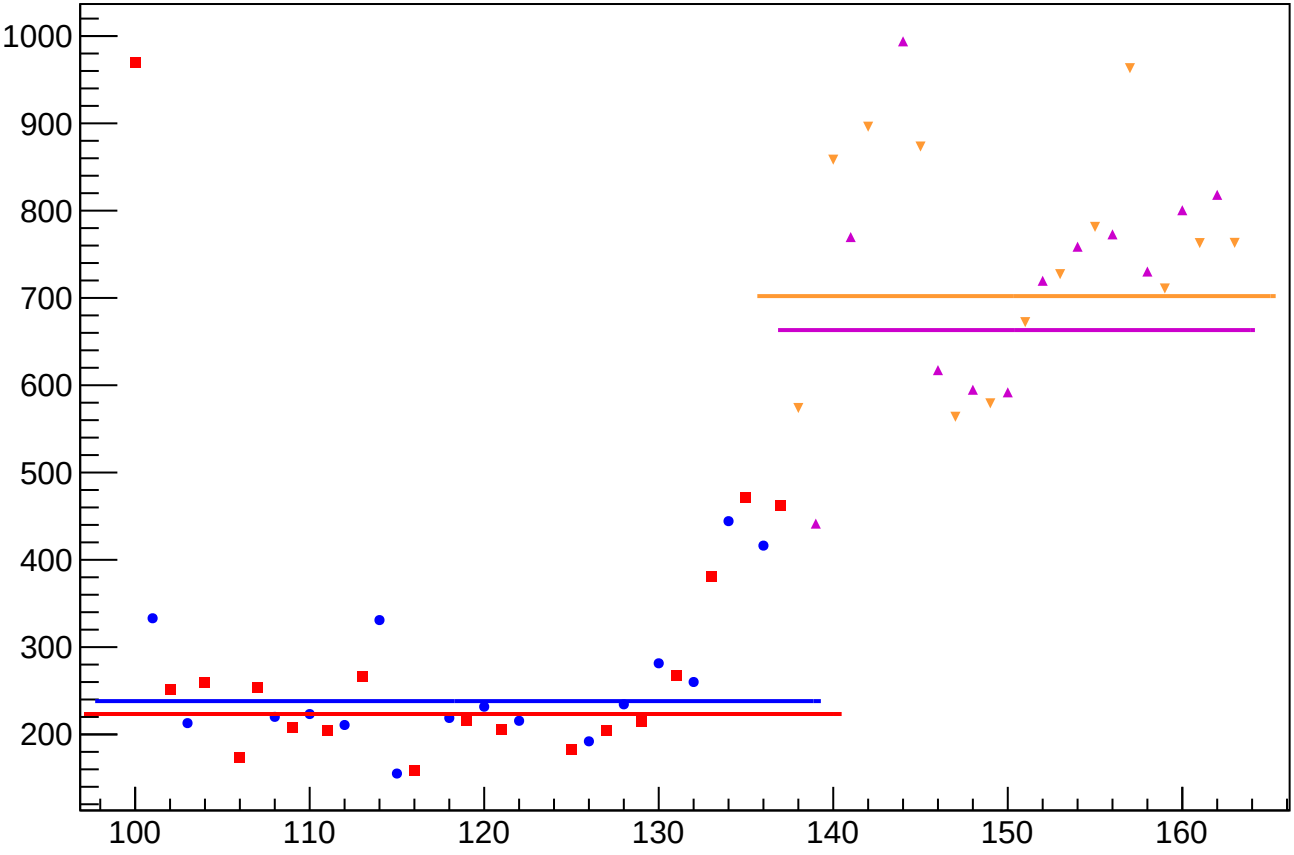
Left In: 0.102+/-0.213 χ^2/NDF:13.8/11

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.060+/-0.060 χ^2/NDF: 73.8/58

- sign -0.064+/-0.083 χ^2/NDF: 39.8/29

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

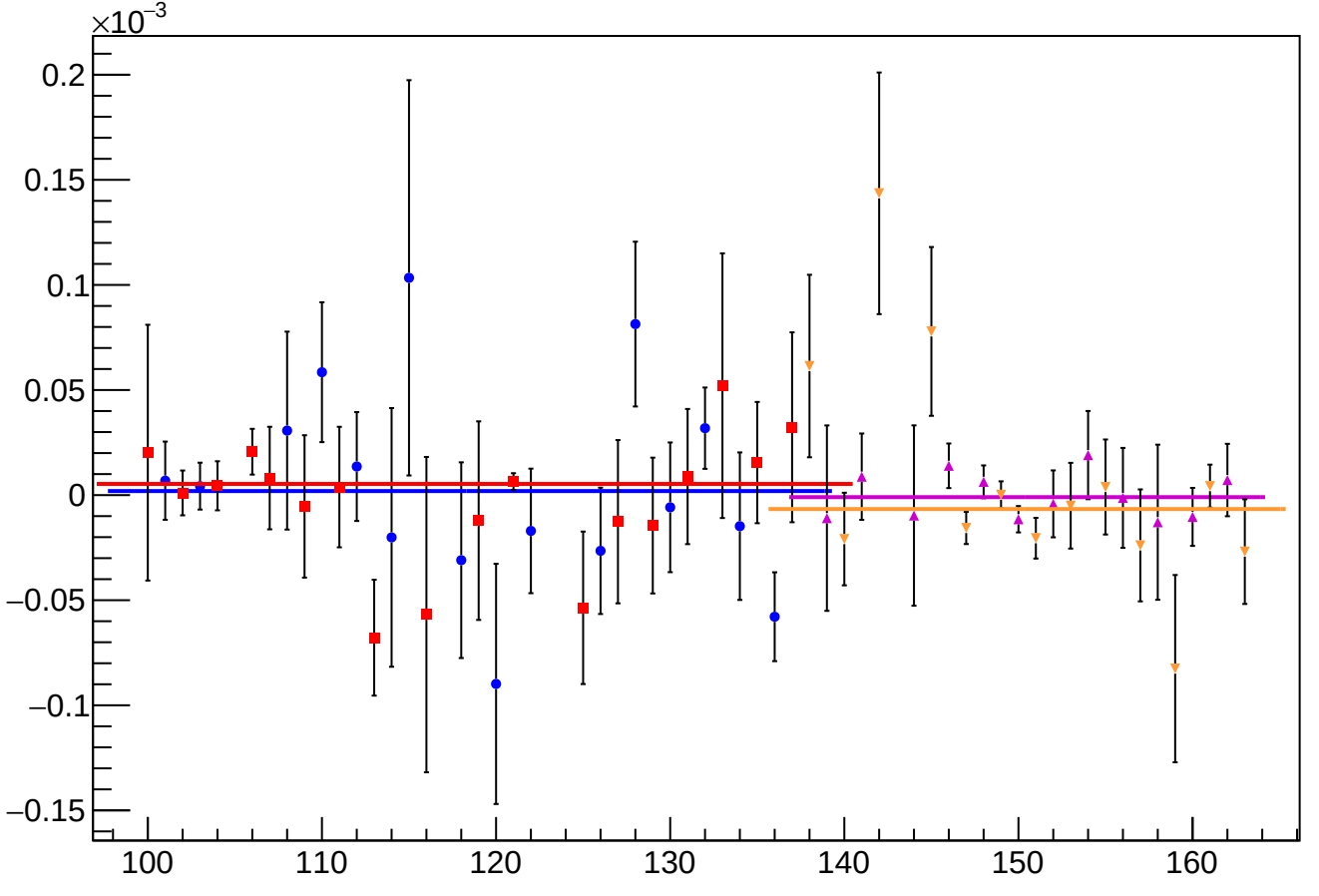
Left In: 663.190+/-0.150 χ^2/NDF:865090.0/11

+ sign 307.898+/-0.061 χ^2/NDF: 8724977.0/28

All: 298.662+/-0.042 χ^2/NDF: 17742541.8/58

- sign 290.167+/-0.059 χ^2/NDF: 8973752.0/29

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:24.0/12

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

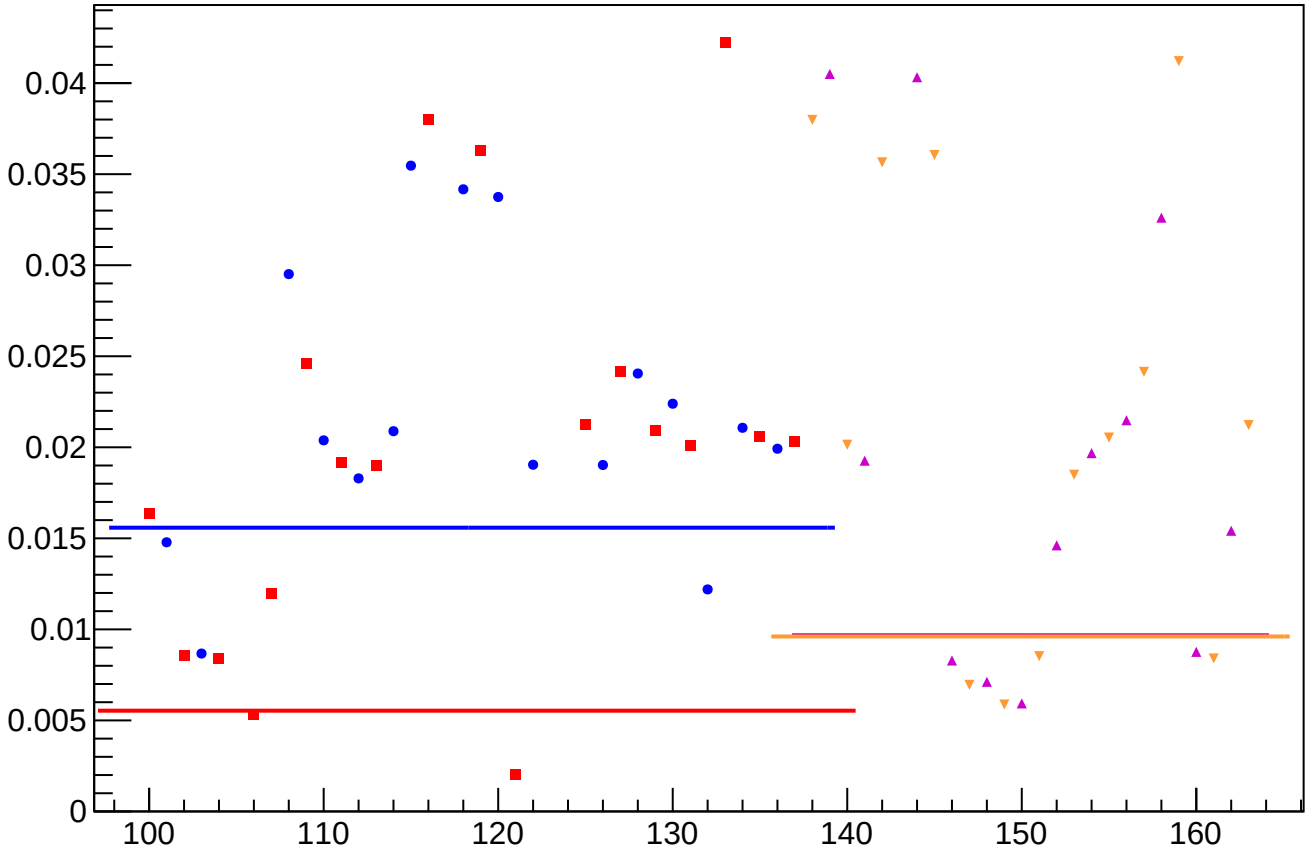
Left In: -0.000+/-0.000 χ^2/NDF:7.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 49.4/28

All: 0.000+/-0.000 χ^2/NDF: 76.4/58

- sign 0.000+/-0.000 χ^2/NDF: 23.9/29

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:6442240.3/12

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

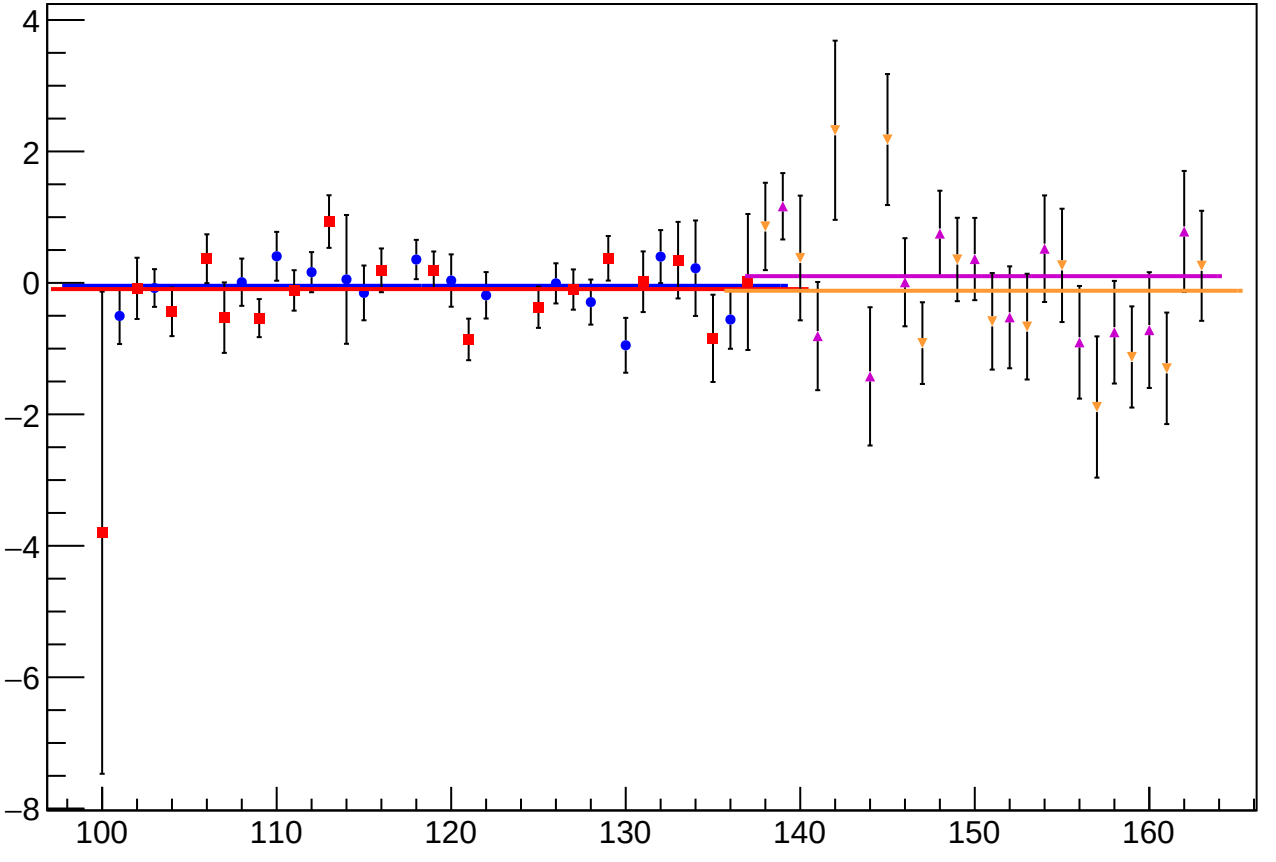
Left In: 0.010+/-0.000 χ^2/NDF:5539376.0/11

+ sign 0.011+/-0.000 χ^2/NDF: 9830111.9/28

All: 0.009+/-0.000 χ^2/NDF: 26559572.5/58

- sign 0.007+/-0.000 χ^2/NDF: 14913353.0/29

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

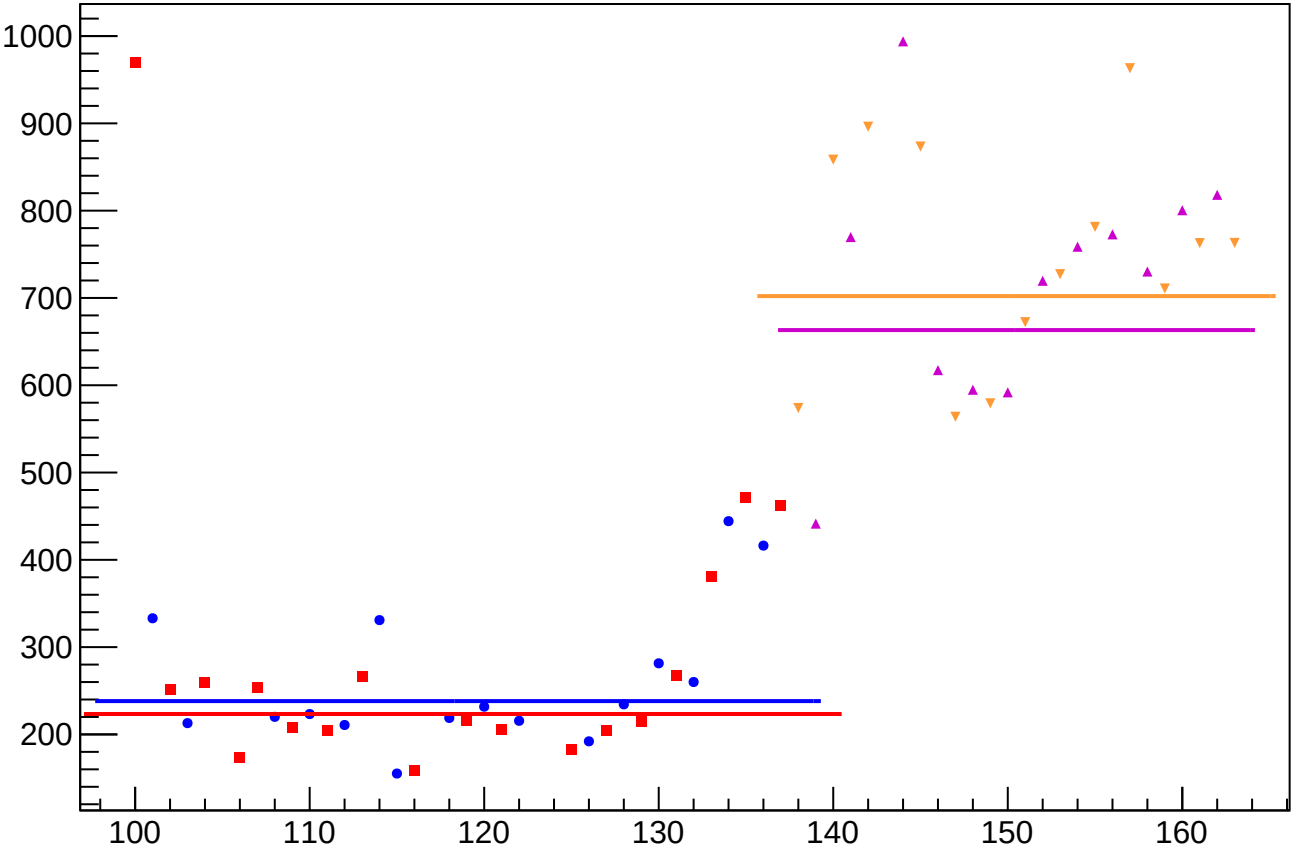
Left In: 0.102+/-0.213 χ^2/NDF:13.8/11

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.060+/-0.060 χ^2/NDF: 73.8/58

- sign -0.064+/-0.083 χ^2/NDF: 39.8/29

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 702.115+/-0.158 χ^2/NDF:563565.6/12

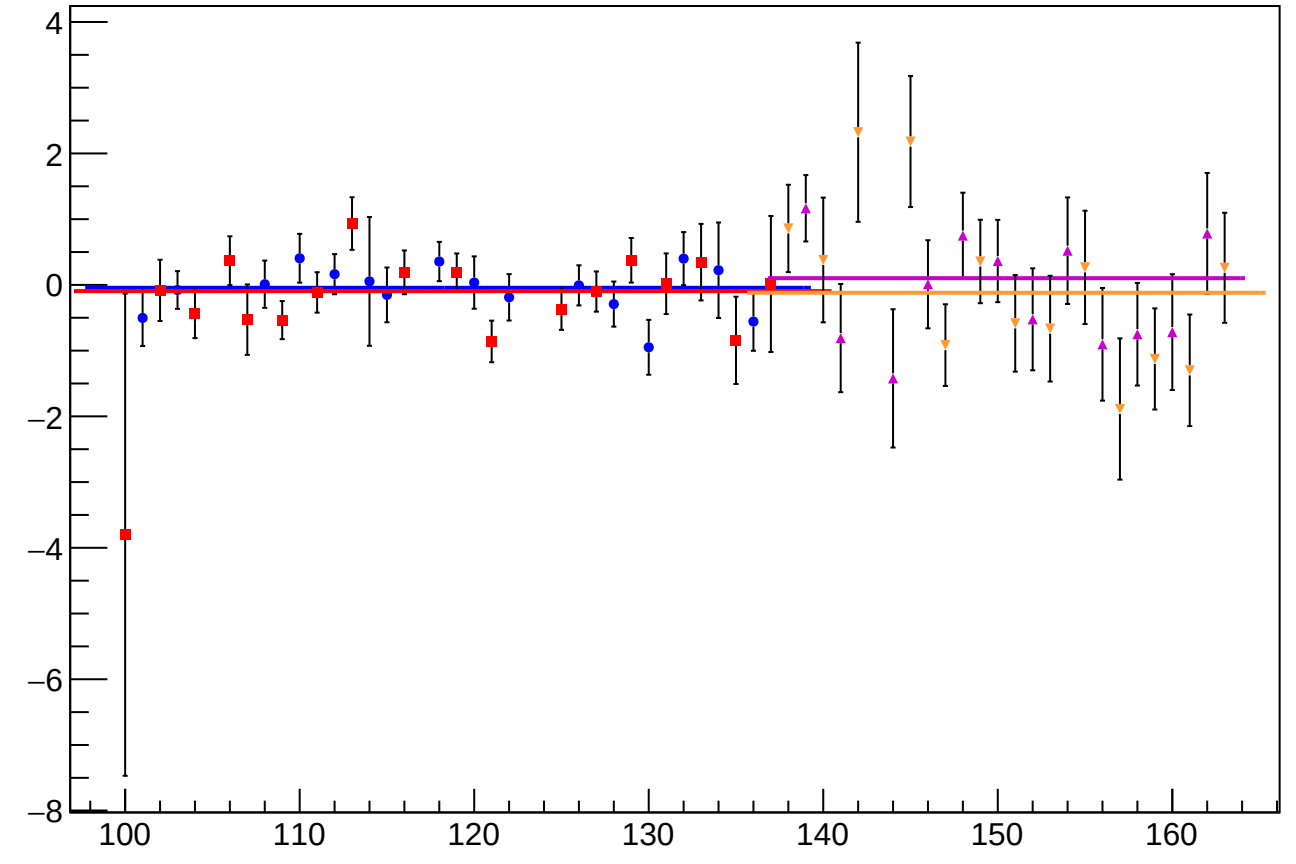
Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 663.199+/-0.150 χ^2/NDF:865077.8/11

+ sign 307.899+/-0.061 χ^2/NDF: 8725055.5/28

All: 298.663+/-0.042 χ^2/NDF: 17742628.6/58

- sign 290.169+/-0.059 χ^2/NDF: 8973765.4/29



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

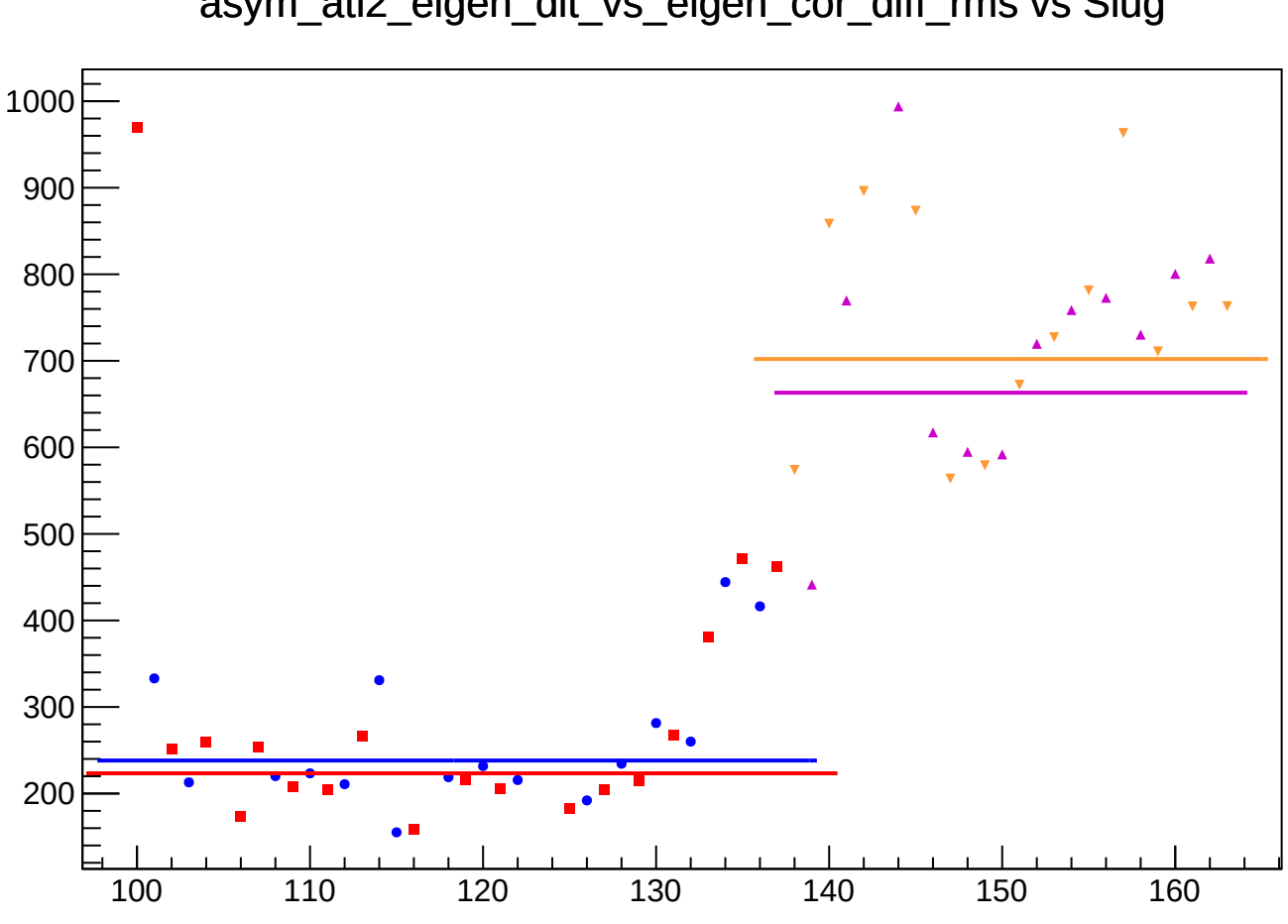
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.102+/-0.213 χ^2/NDF:13.8/11

+ sign -0.055+/-0.086 χ^2/NDF: 34.0/28

All: -0.060+/-0.060 χ^2/NDF: 73.8/58

- sign -0.064+/-0.083 χ^2/NDF: 39.8/29



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 702.115+/-0.158 χ^2/NDF:563565.6/12

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

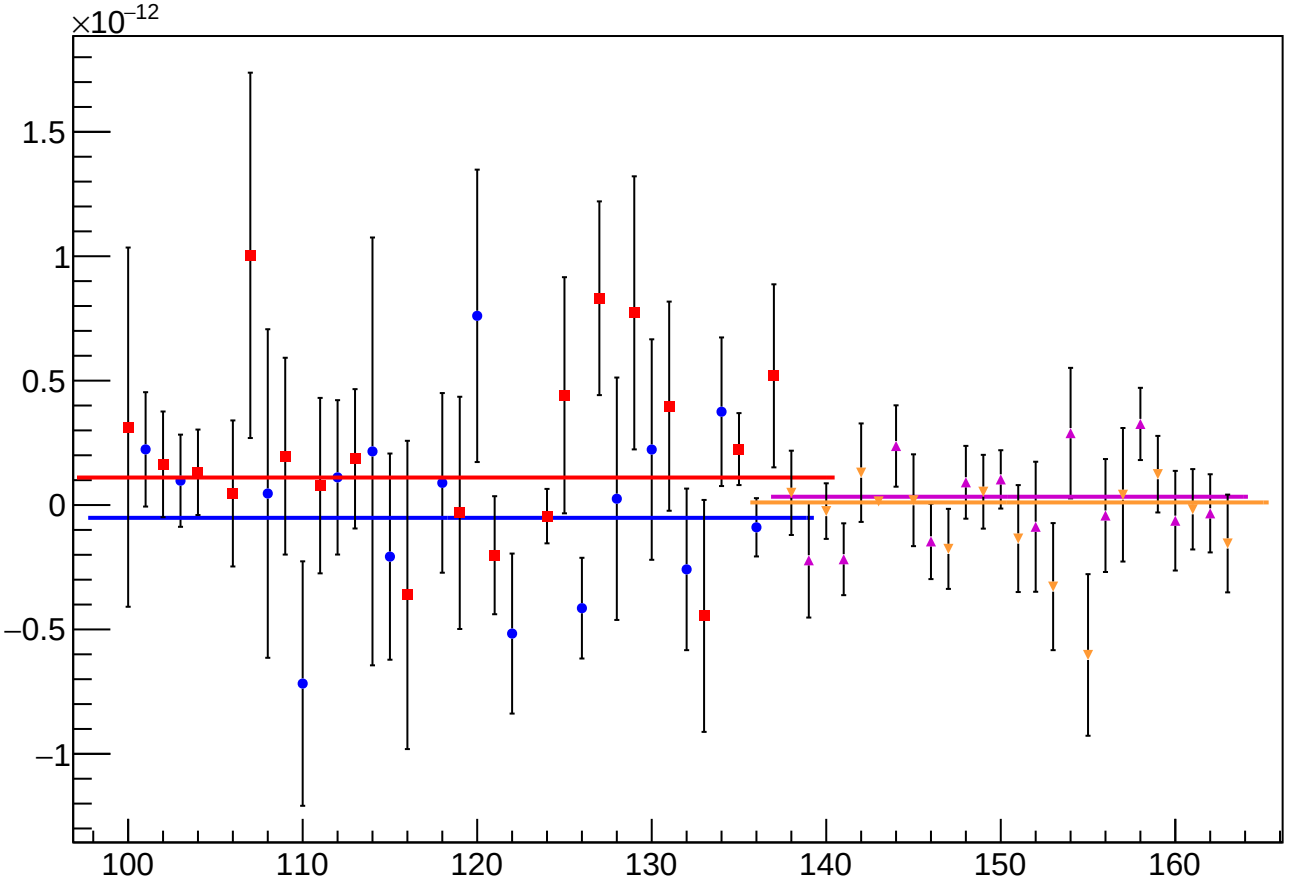
Left In: 663.199+/-0.150 χ^2/NDF:865077.8/11

+ sign 307.899+/-0.061 χ^2/NDF: 8725055.5/28

All: 298.663+/-0.042 χ^2/NDF: 17742628.6/58

- sign 290.169+/-0.059 χ^2/NDF: 8973765.4/29

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:9.1/13

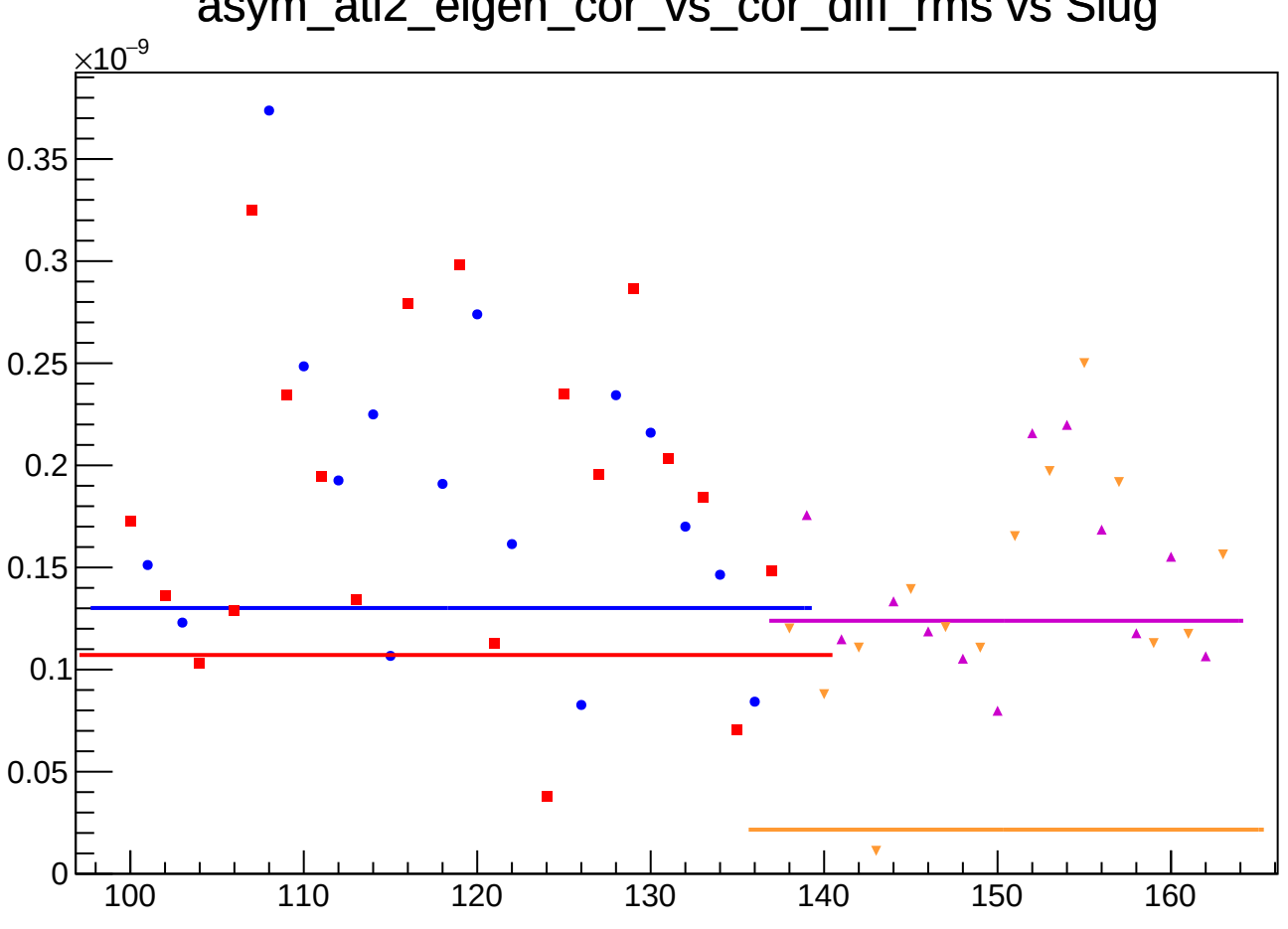
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/29

All: 0.000+/-0.000 χ^2/NDF: 56.5/60

- sign 0.000+/-0.000 χ^2/NDF: 29.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10972187.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

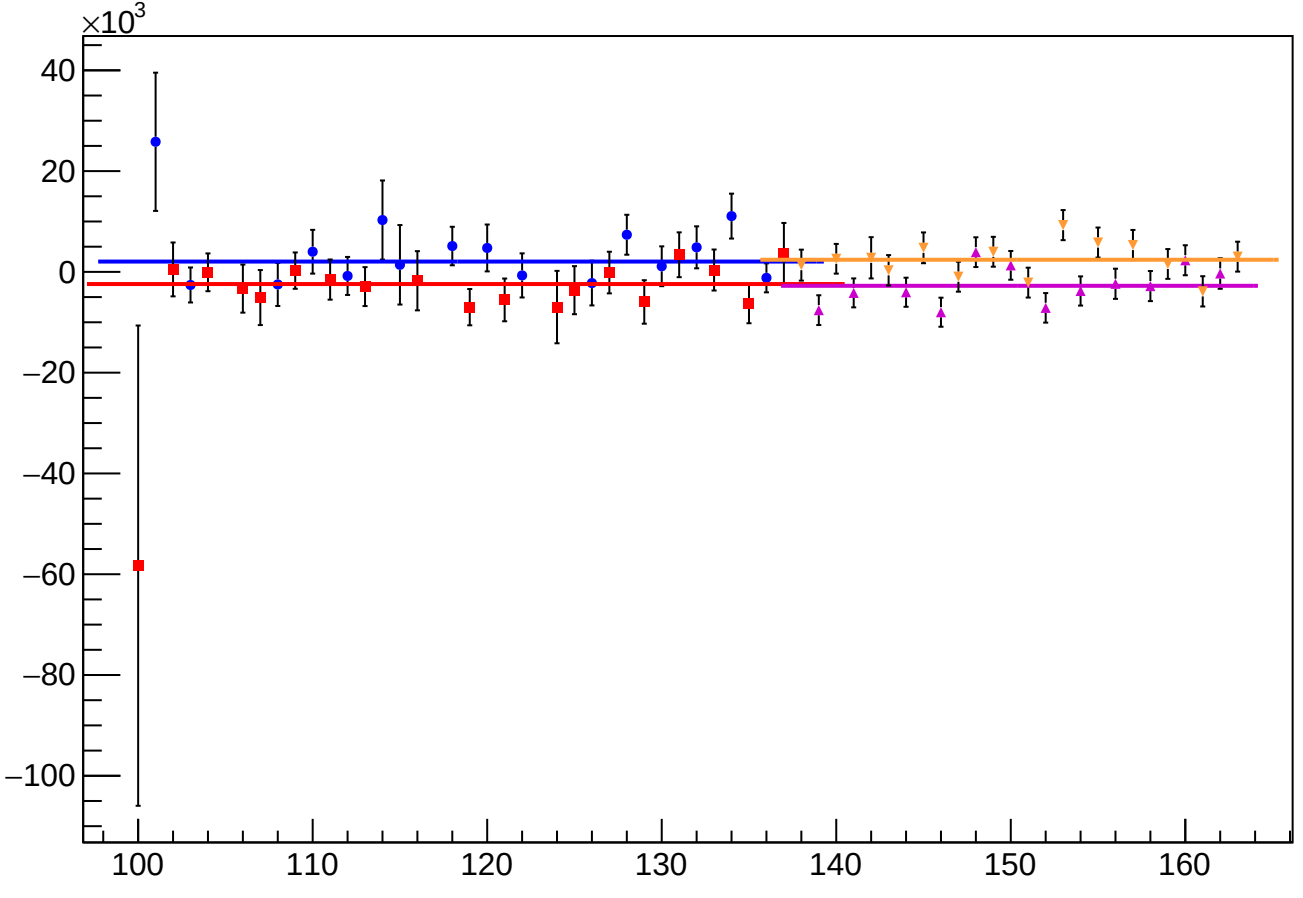
Left In: 0.000+/-0.000 χ^2/NDF:1101422.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 17243920.8/29

All: 0.000+/-0.000 χ^2/NDF: 31342785.0/60

- sign 0.000+/-0.000 χ^2/NDF: 3854107.2/30

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.725+/-812.839 χ^2/NDF:17.2/13

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

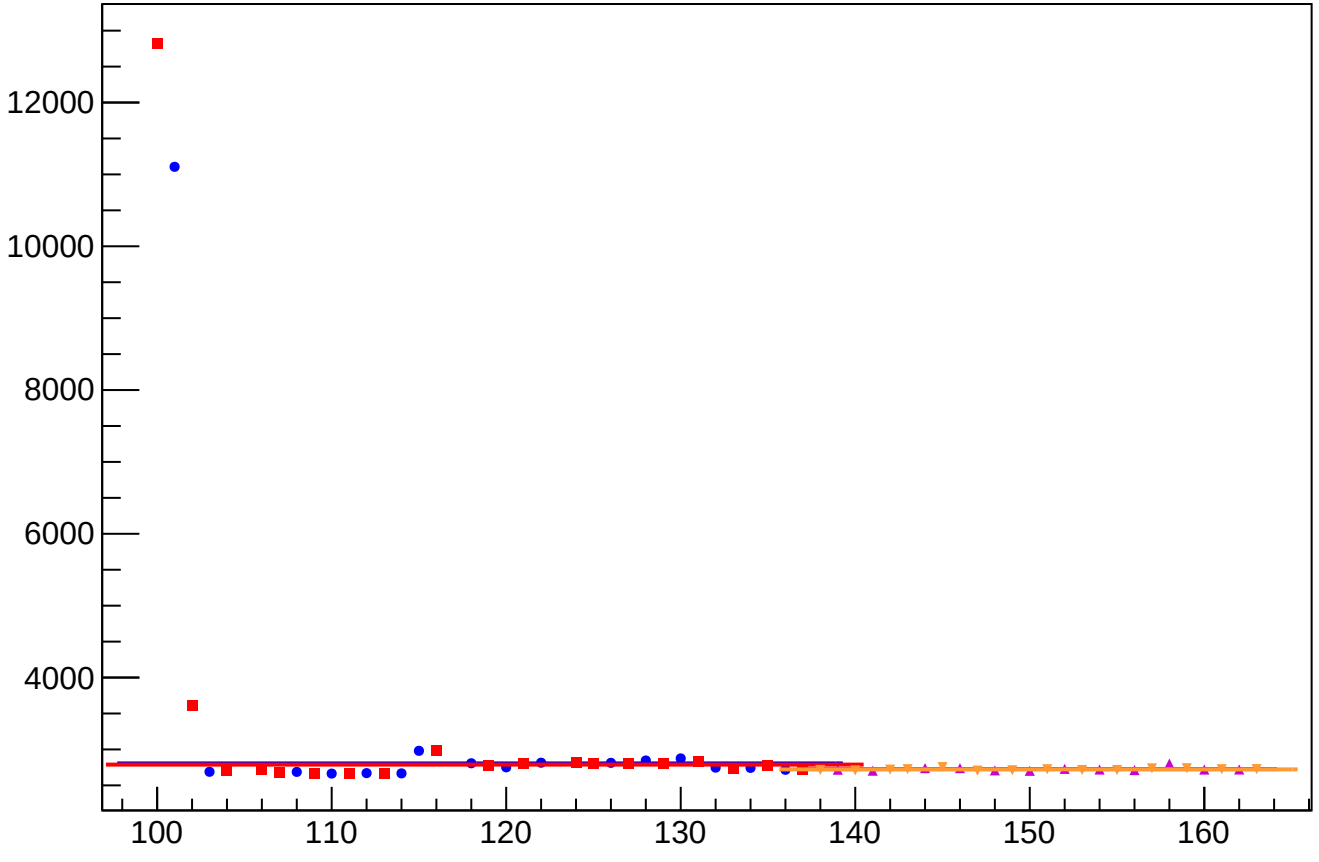
Left In: -2760.582+/-846.972 χ^2/NDF:19.5/11

+ sign 2276.702+/-647.345 χ^2/NDF: 35.0/29

All: -141.046+/-460.630 χ^2/NDF: 93.6/60

- sign -2620.793+/-655.592 χ^2/NDF: 30.3/30

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

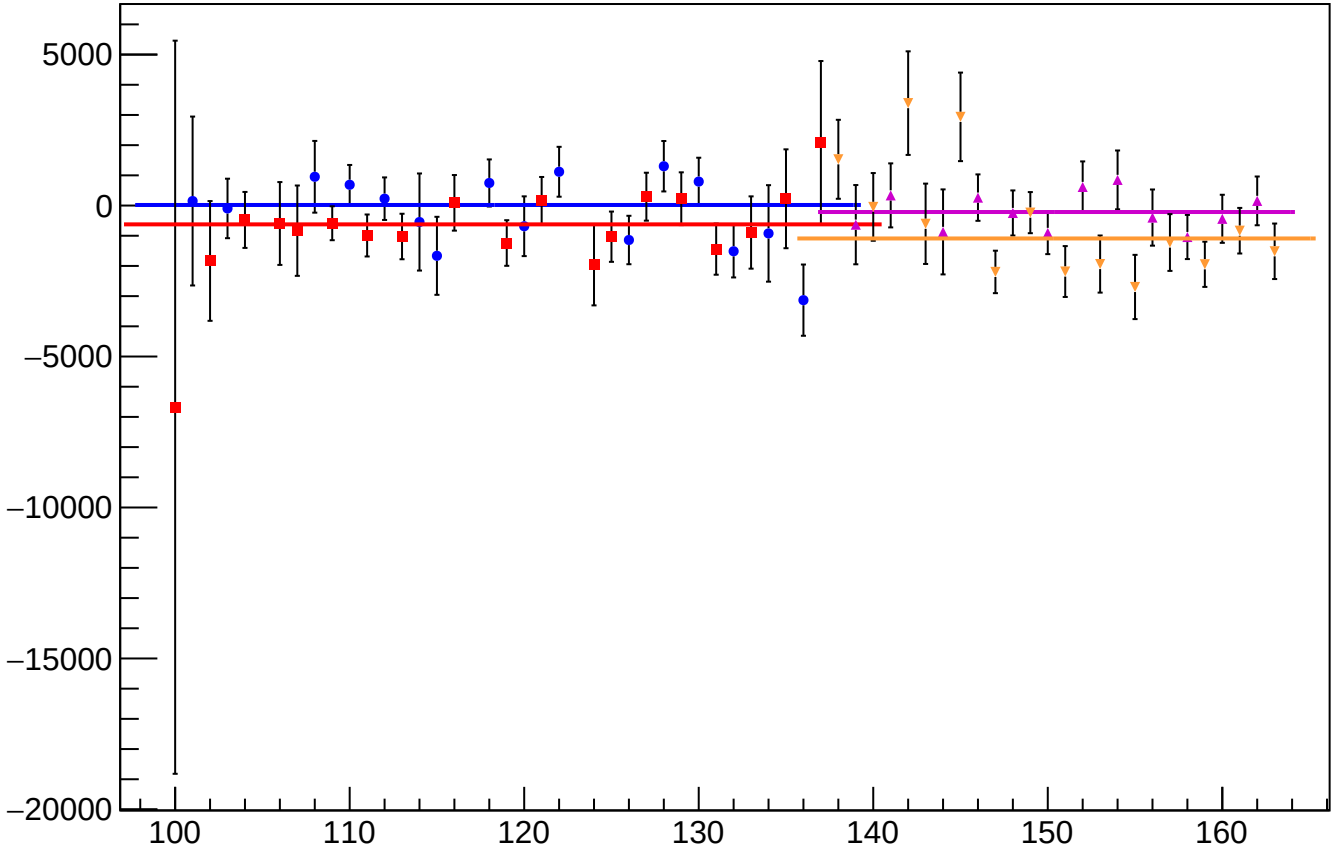
Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

+ sign 2752.674+/-0.458 χ^2/NDF: 754423.0/29

All: 2752.100+/-0.326 χ^2/NDF: 907595.5/60

- sign 2751.512+/-0.464 χ^2/NDF: 153169.4/30

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1090.137+/-248.516 χ^2/NDF:29.9/13

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

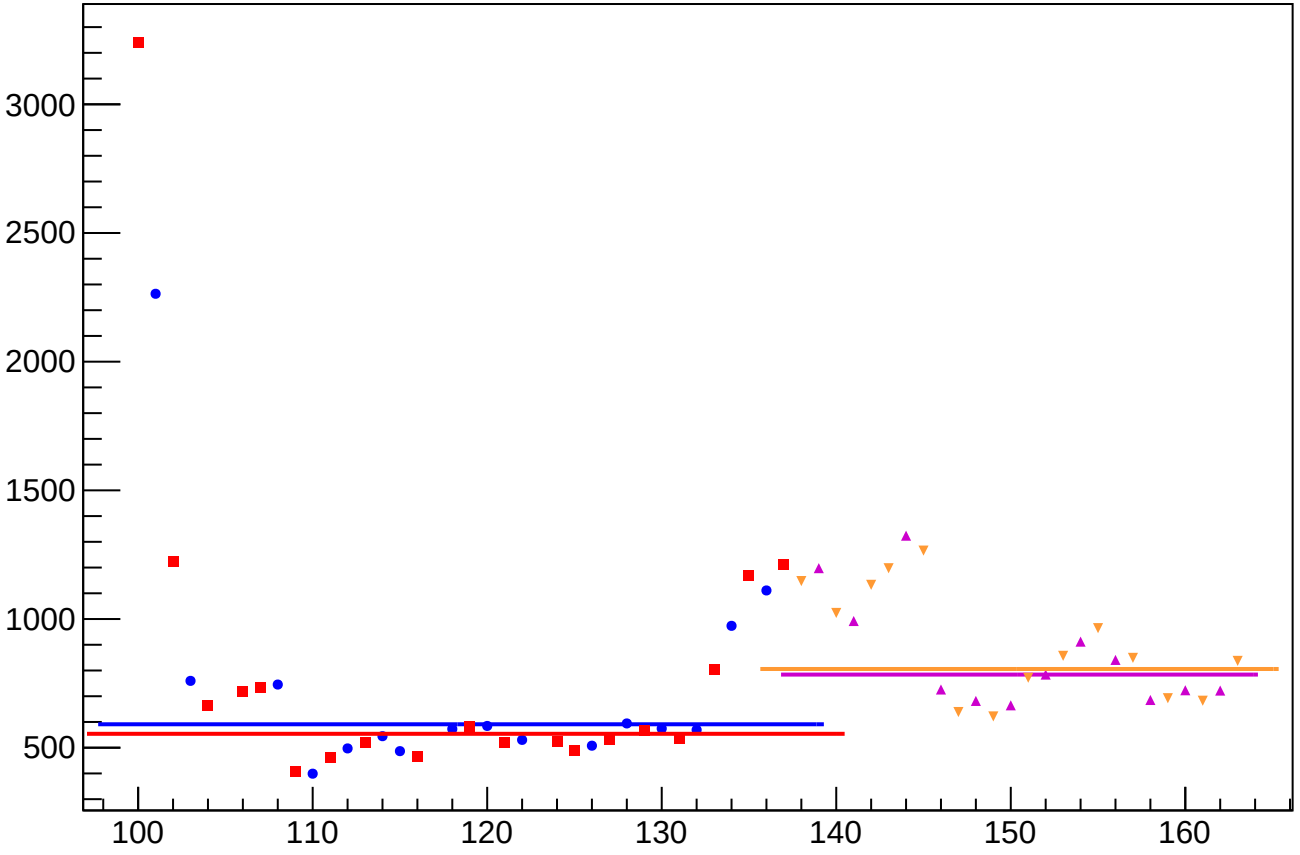
Left In: -214.197+/-249.395 χ^2/NDF:5.7/11

+ sign -501.020+/-170.164 χ^2/NDF: 63.2/29

All: -473.355+/-117.804 χ^2/NDF: 79.8/60

- sign -447.892+/-163.252 χ^2/NDF: 16.5/30

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.875+/-0.176 χ^2/NDF:1073713.7/13

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

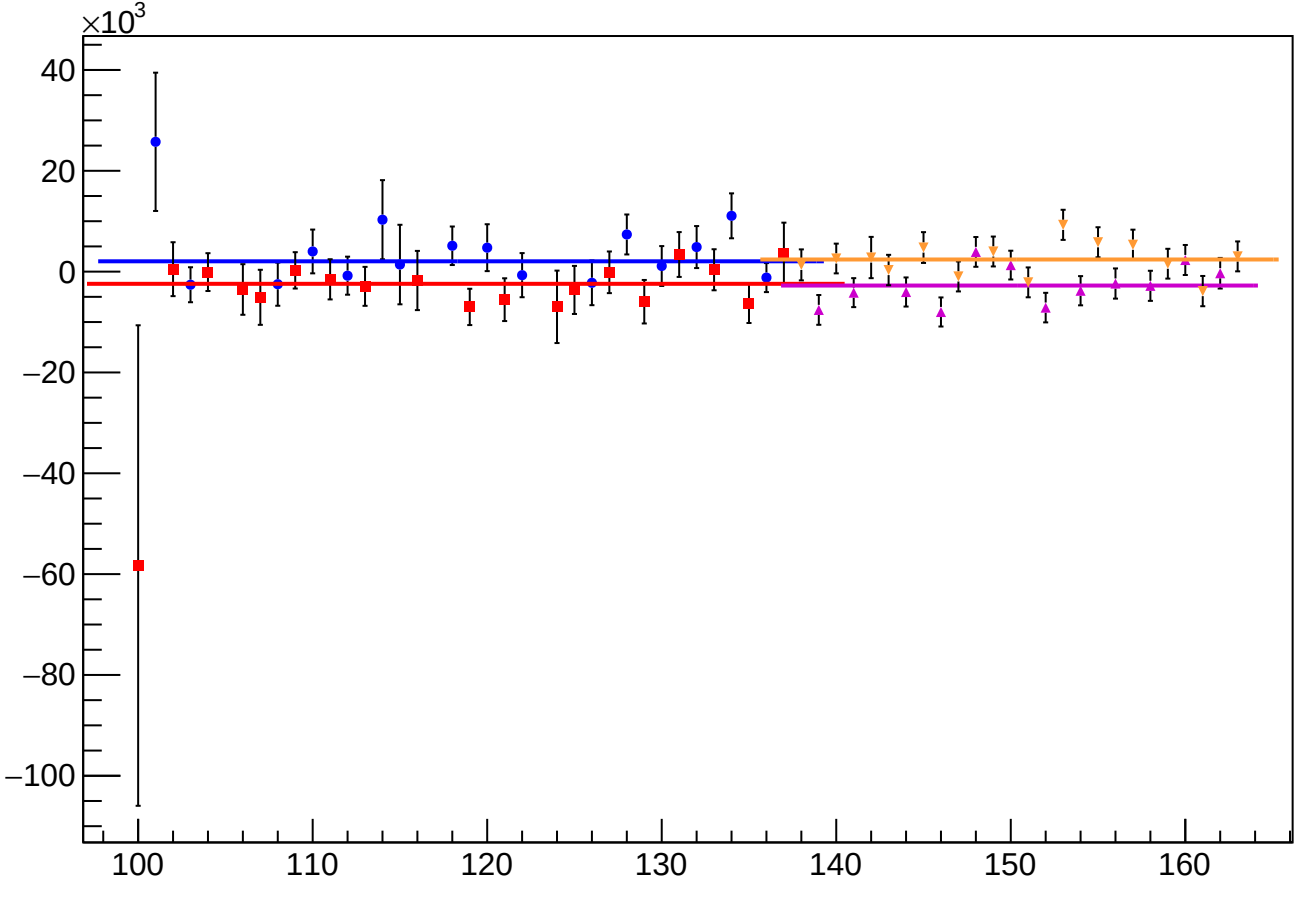
Left In: 784.115+/-0.176 χ^2/NDF:778384.5/11

+ sign 691.764+/-0.120 χ^2/NDF: 3435248.9/29

All: 671.367+/-0.083 χ^2/NDF: 6359011.9/60

- sign 652.593+/-0.115 χ^2/NDF: 2868575.7/30

cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

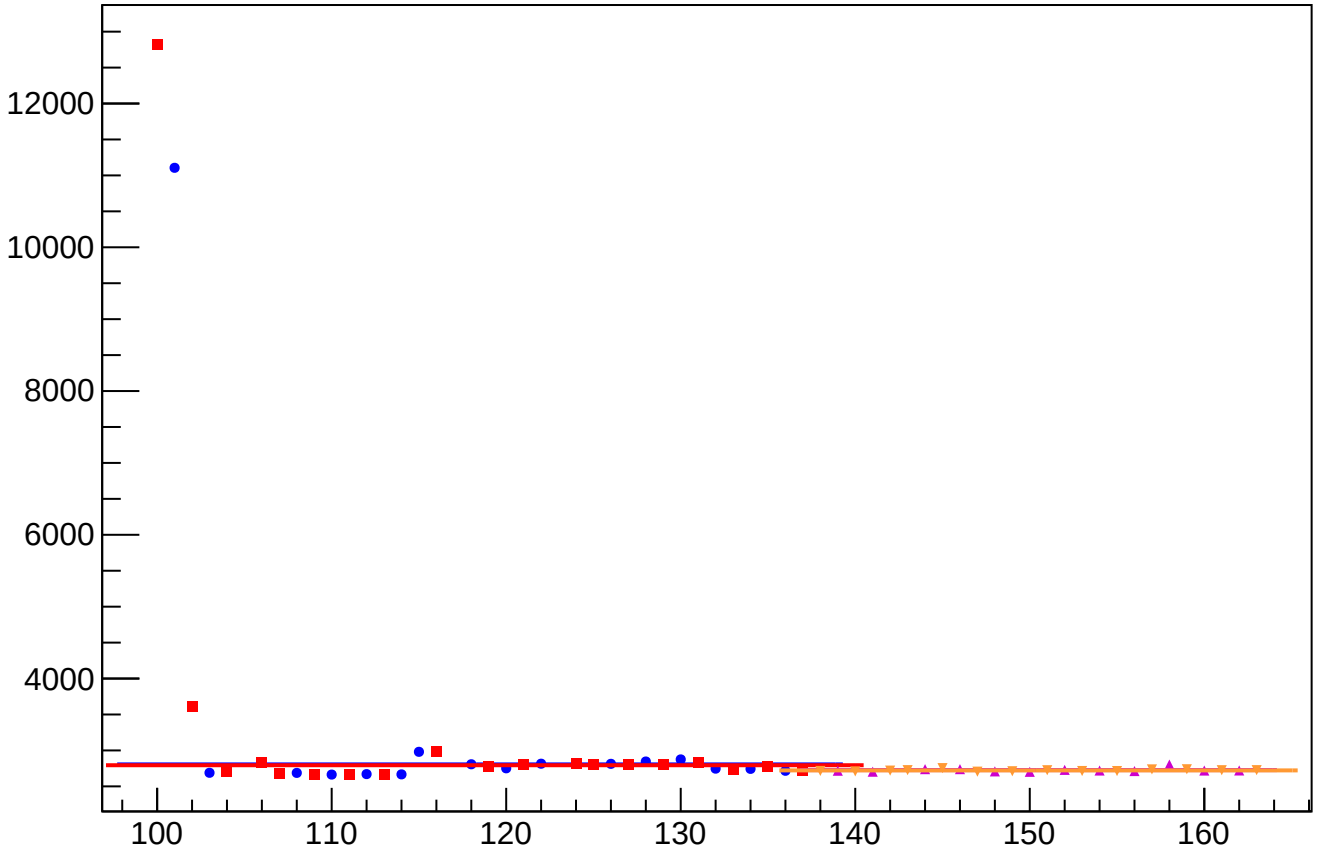
Left In: -2760.695+/-846.972 χ^2/NDF:19.5/11

+ sign 2276.441+/-647.345 χ^2/NDF: 35.0/29

All: -140.340+/-460.839 χ^2/NDF: 93.6/60

- sign -2623.665+/-656.196 χ^2/NDF: 30.3/30

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

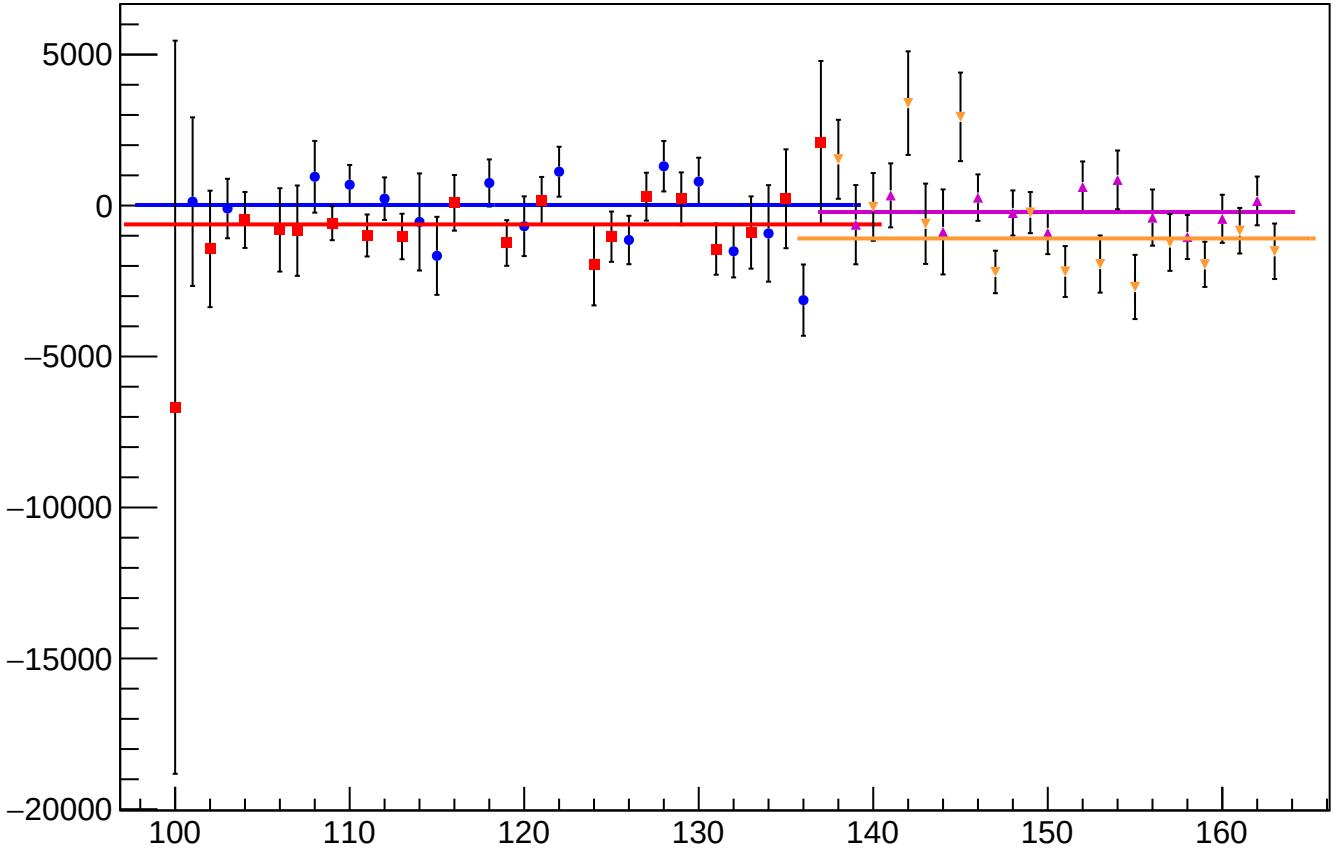
Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

+ sign 2752.674+/-0.458 χ^2/NDF: 754422.1/29

All: 2753.119+/-0.326 χ^2/NDF: 908099.9/60

- sign 2753.576+/-0.464 χ^2/NDF: 153675.9/30

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

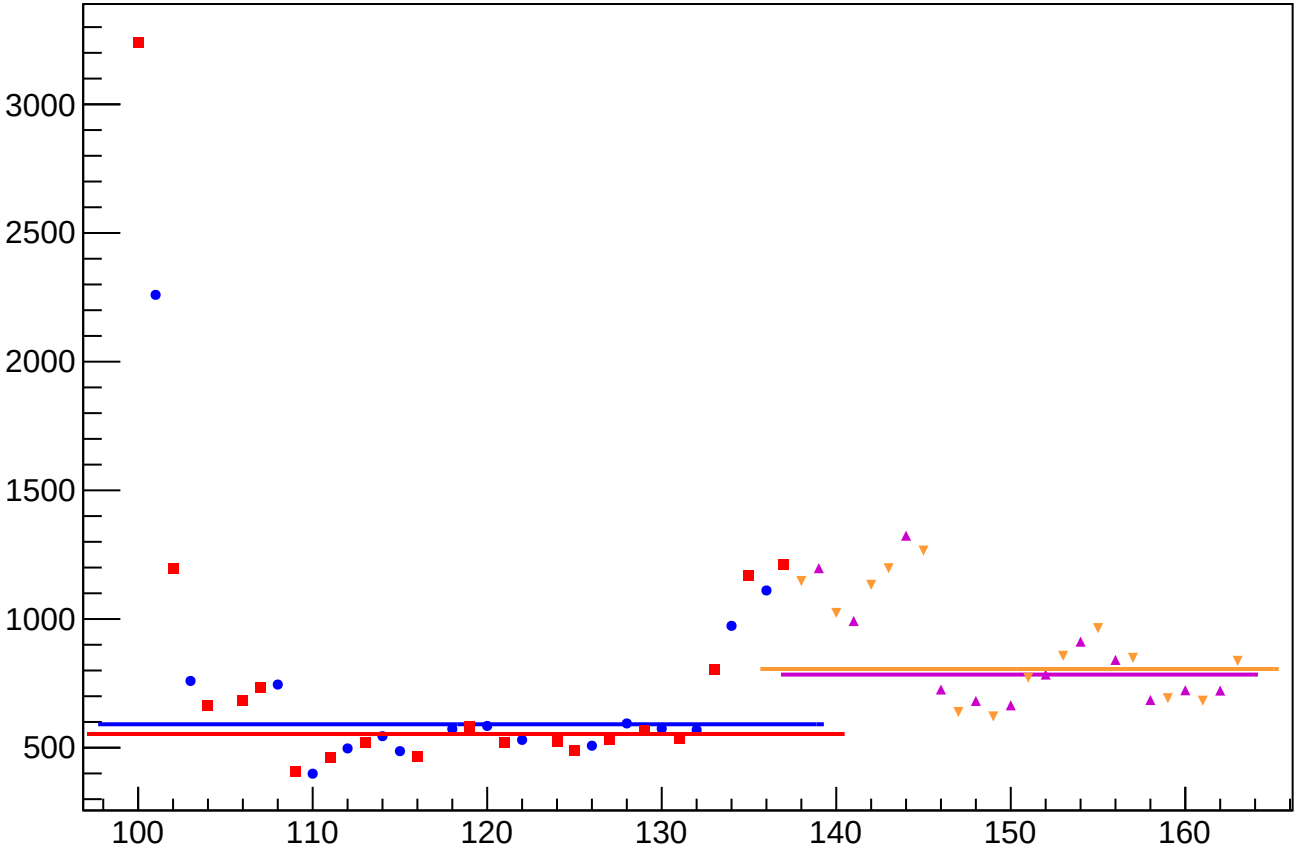
Left In: -214.343+/-249.394 χ^2/NDF:5.7/11

+ sign -500.957+/-170.159 χ^2/NDF: 63.2/29

All: -473.707+/-117.795 χ^2/NDF: 79.6/60

- sign -448.631+/-163.232 χ^2/NDF: 16.3/30

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

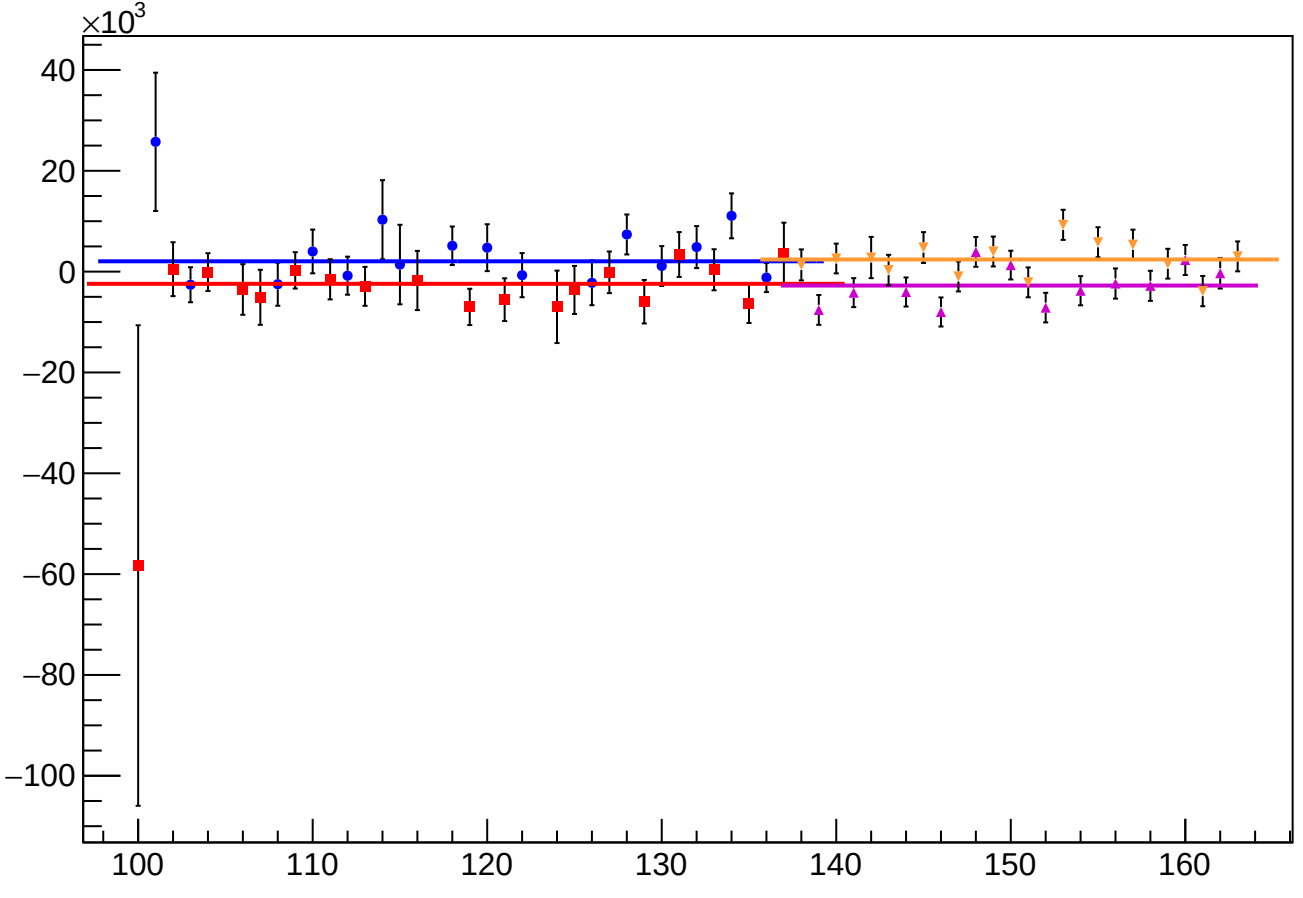
Left In: 784.112+/-0.176 χ^2/NDF:778373.6/11

+ sign 691.757+/-0.120 χ^2/NDF: 3434265.1/29

All: 671.125+/-0.083 χ^2/NDF: 6350523.2/60

- sign 652.139+/-0.115 χ^2/NDF: 2859798.4/30

eigen_cor_asym_atr1_mean vs Slug



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

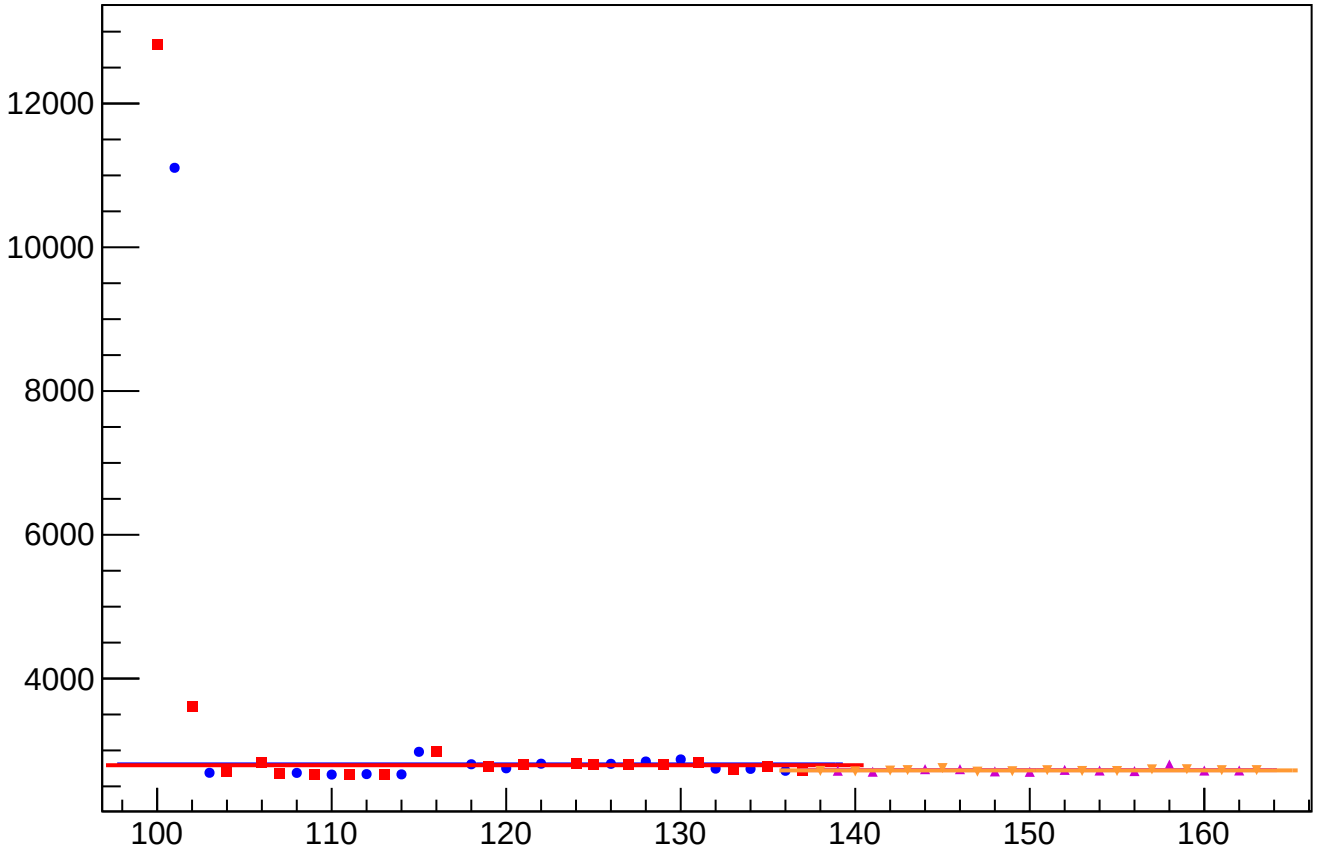
Left In: -2760.695+/-846.972 χ^2/NDF:19.5/11

+ sign 2276.441+/-647.345 χ^2/NDF: 35.0/29

All: -140.340+/-460.839 χ^2/NDF: 93.6/60

- sign -2623.665+/-656.196 χ^2/NDF: 30.3/30

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

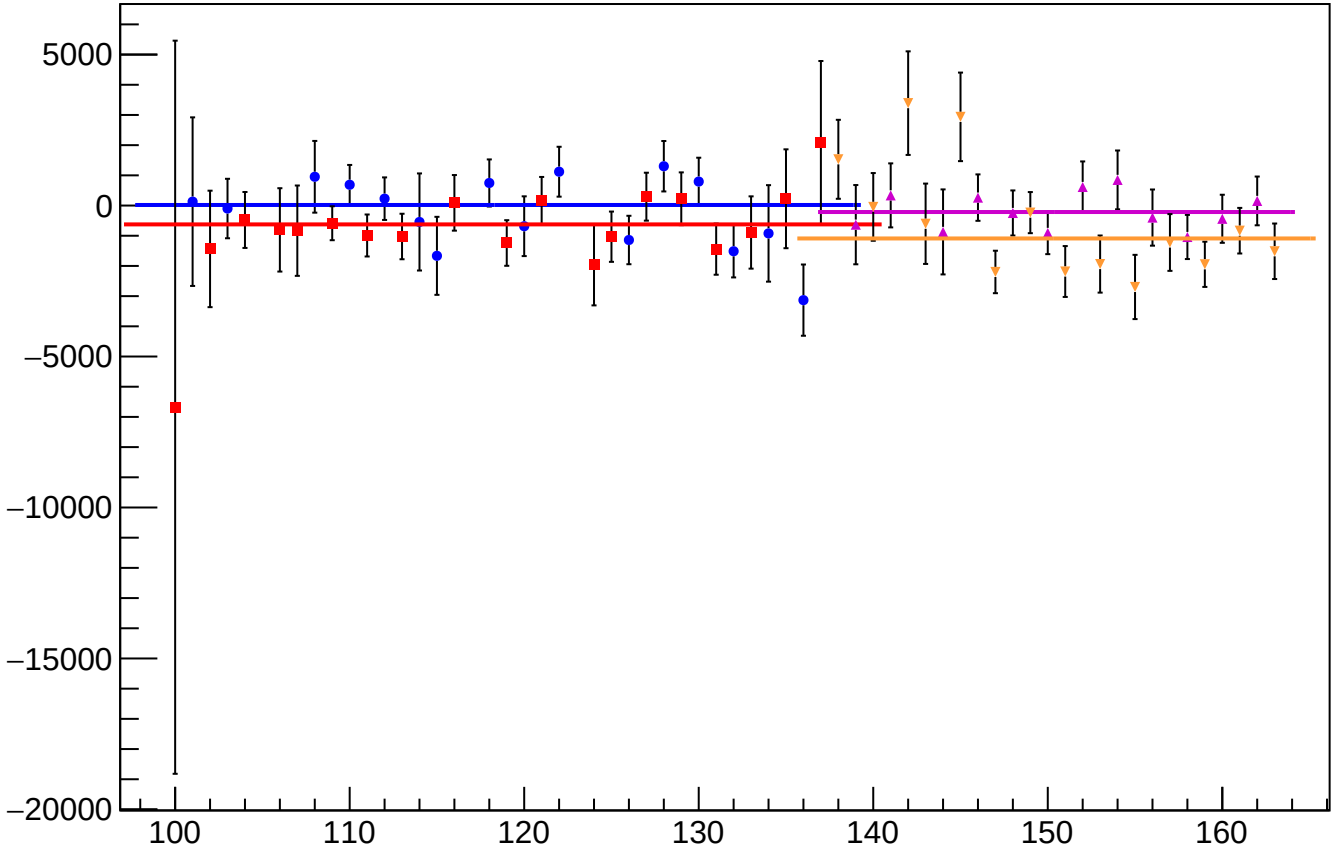
Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

+ sign 2752.674+/-0.458 χ^2/NDF: 754422.1/29

All: 2753.119+/-0.326 χ^2/NDF: 908099.9/60

- sign 2753.576+/-0.464 χ^2/NDF: 153675.9/30

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

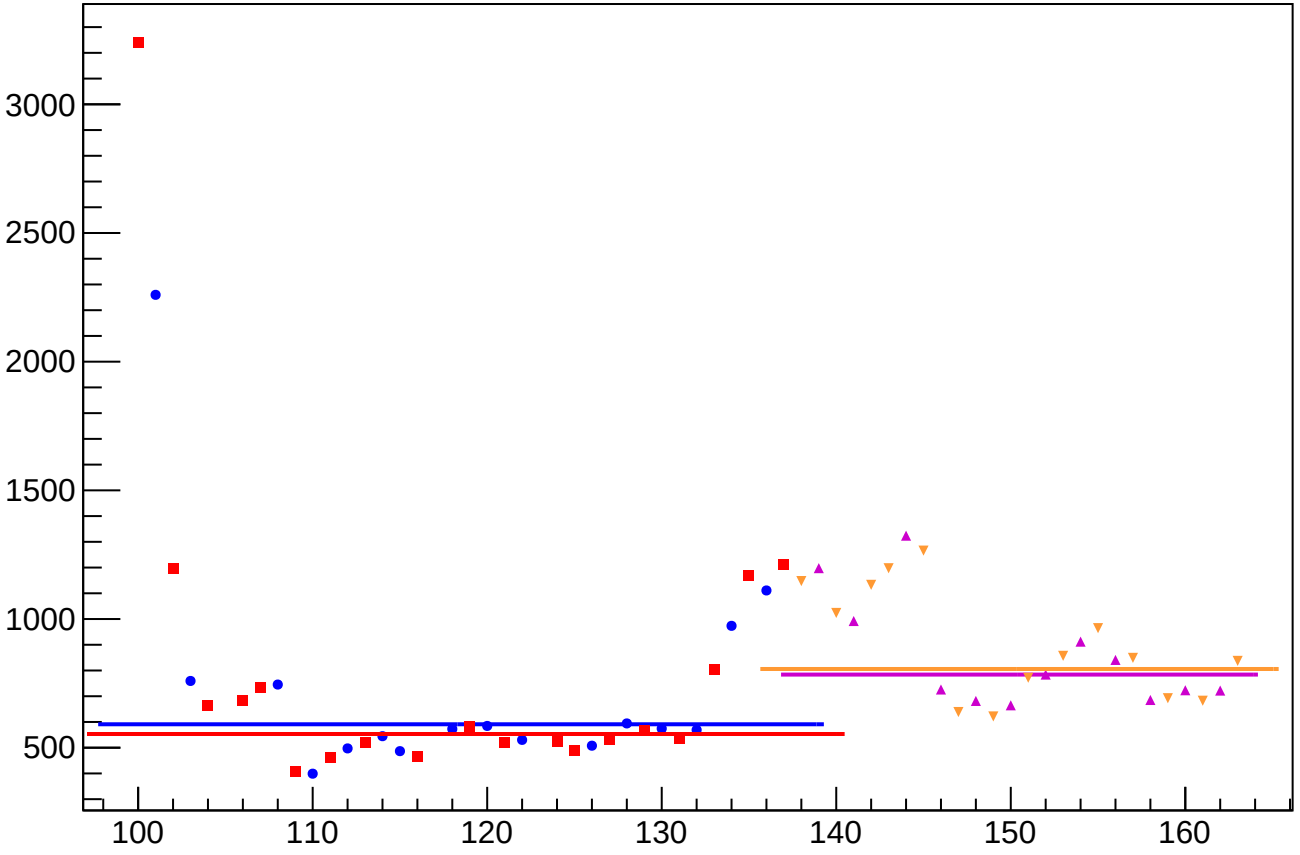
Left In: -214.343+/-249.394 χ^2/NDF:5.7/11

+ sign -500.957+/-170.159 χ^2/NDF: 63.2/29

All: -473.707+/-117.795 χ^2/NDF: 79.6/60

- sign -448.631+/-163.232 χ^2/NDF: 16.3/30

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

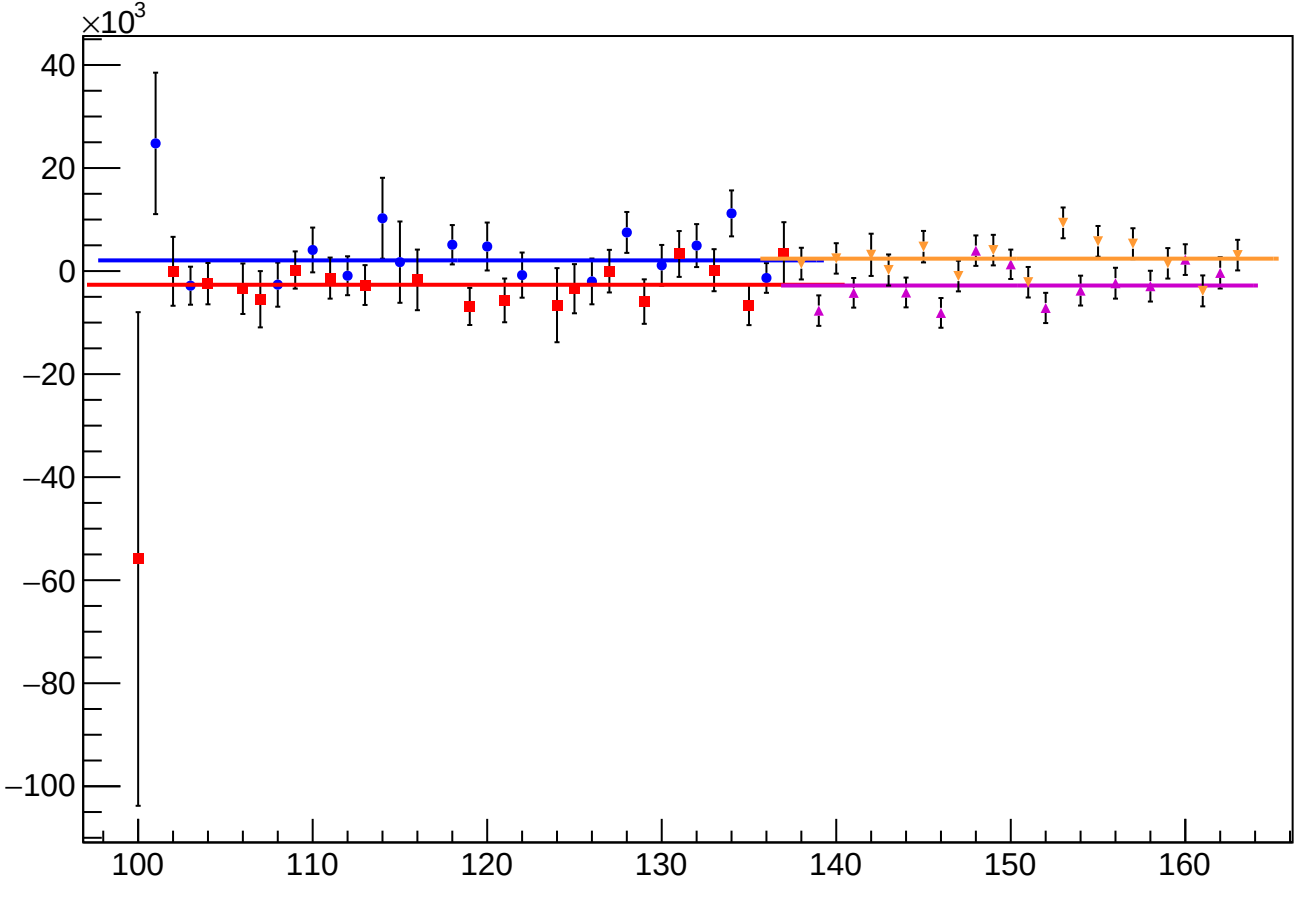
Left In: 784.112+/-0.176 χ^2/NDF:778373.6/11

+ sign 691.757+/-0.120 χ^2/NDF: 3434265.1/29

All: 671.125+/-0.083 χ^2/NDF: 6350523.2/60

- sign 652.139+/-0.115 χ^2/NDF: 2859798.4/30

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.520+/-813.422 χ^2/NDF:17.3/13

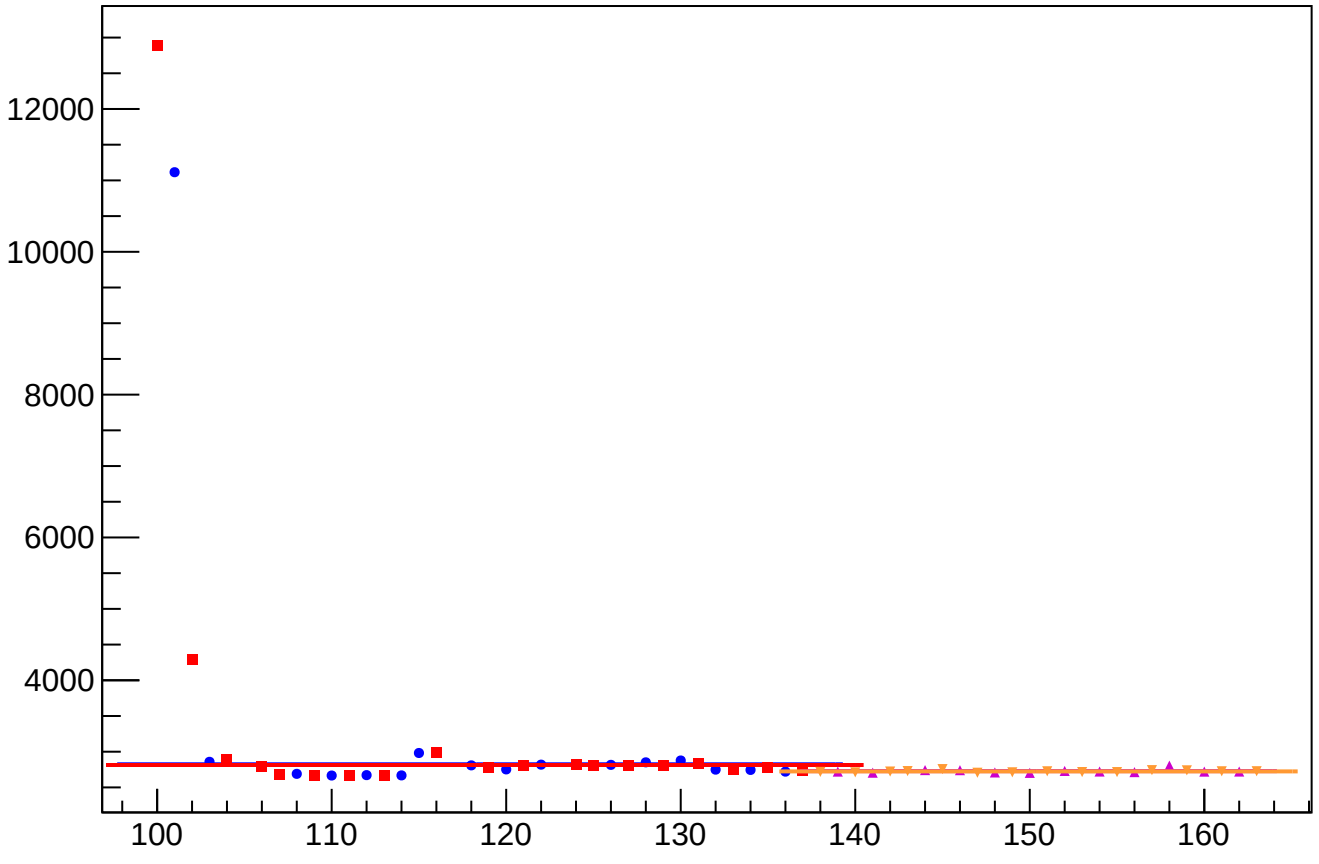
Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: -2803.626+/-847.486 χ^2/NDF:19.7/11

+ sign 2288.590+/-649.133 χ^2/NDF: 35.3/29

All: -188.989+/-462.608 χ^2/NDF: 94.5/60

- sign -2745.896+/-659.443 χ^2/NDF: 29.7/30



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

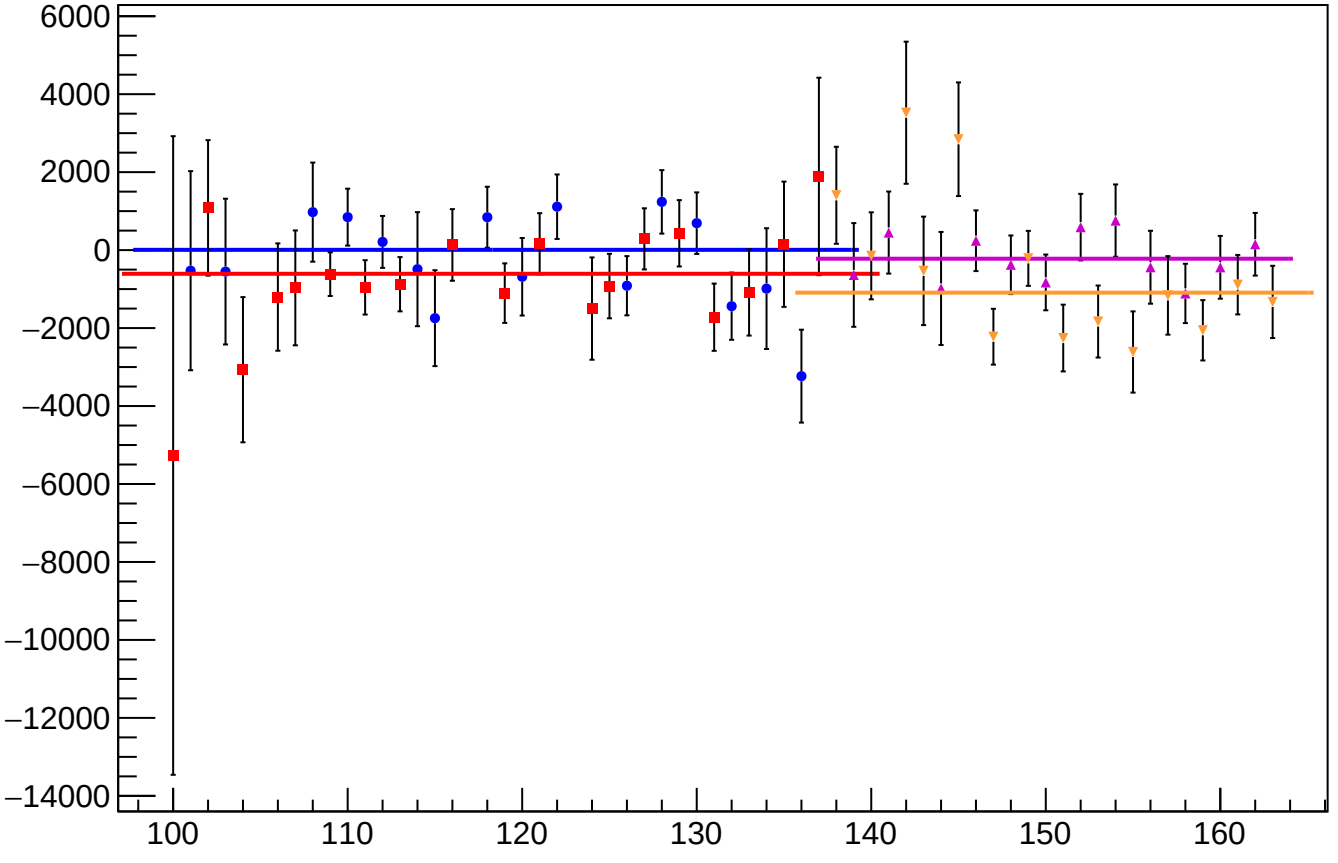
Left In: 2728.192+/-0.599 χ^2/NDF:1853.0/11

+ sign 2760.233+/-0.459 χ^2/NDF: 755286.9/29

All: 2761.091+/-0.327 χ^2/NDF: 965714.4/60

- sign 2761.976+/-0.466 χ^2/NDF: 210420.4/30

asym_atr1_dit_correction_mean vs Slug



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

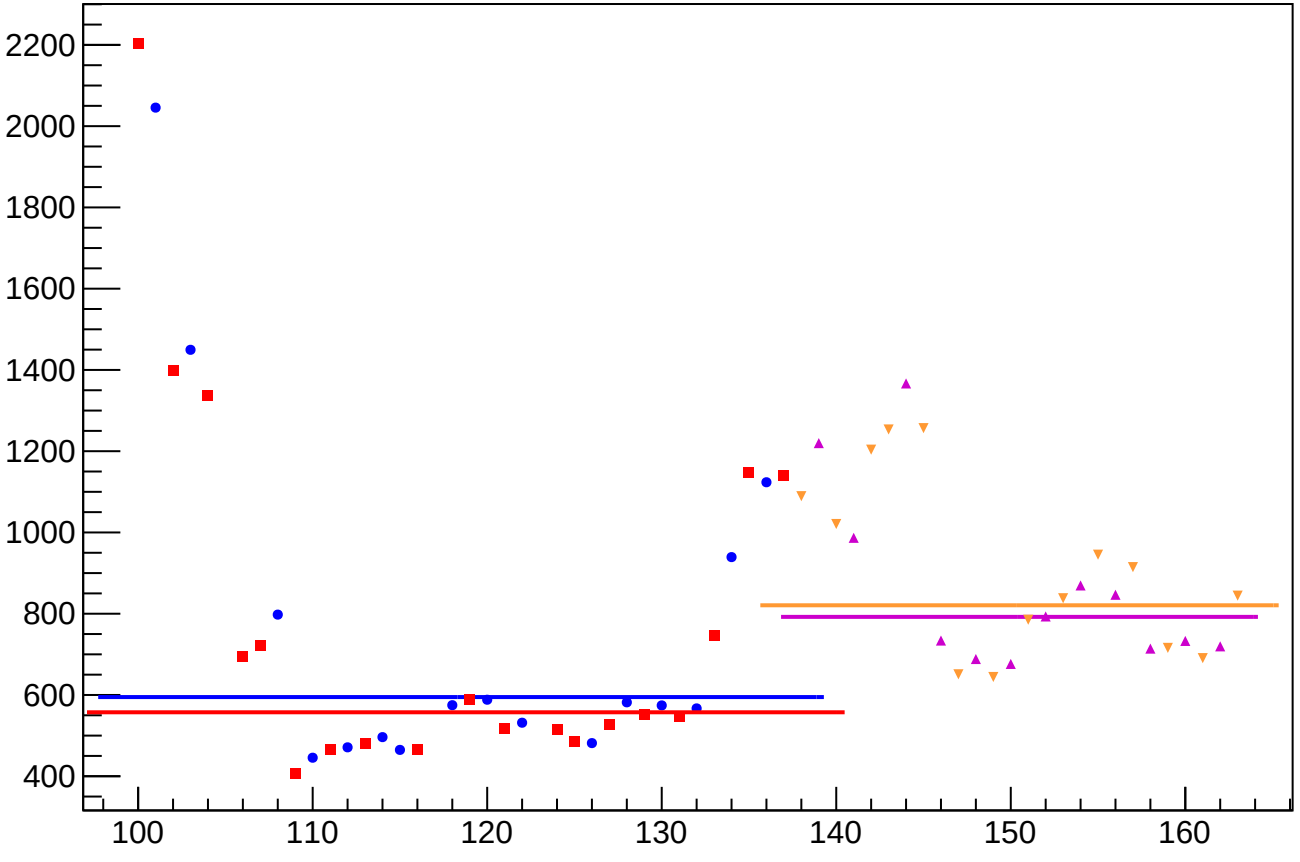
Left In: -220.769+/-251.469 χ^2/NDF:5.6/11

+ sign -508.716+/-172.950 χ^2/NDF: 61.8/29

All: -473.884+/-119.129 χ^2/NDF: 81.1/60

- sign -442.439+/-164.329 χ^2/NDF: 19.1/30

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002237.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

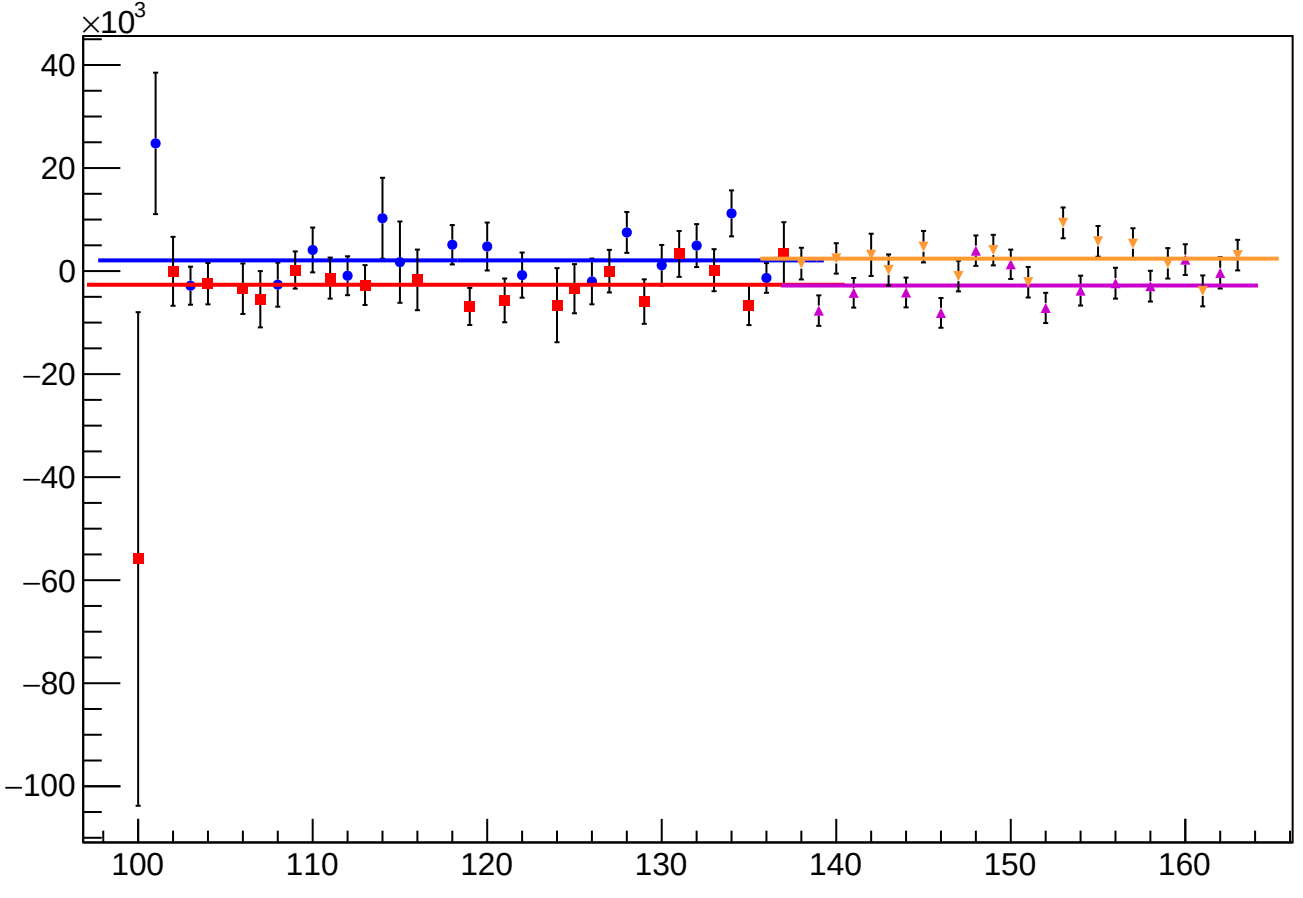
Left In: 792.236+/-0.178 χ^2/NDF:759677.3/11

+ sign 700.914+/-0.122 χ^2/NDF: 3704662.0/29

All: 678.193+/-0.084 χ^2/NDF: 7160721.9/60

- sign 657.680+/-0.116 χ^2/NDF: 3390377.1/30

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.521+/-813.422 χ^2/NDF:17.3/13

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

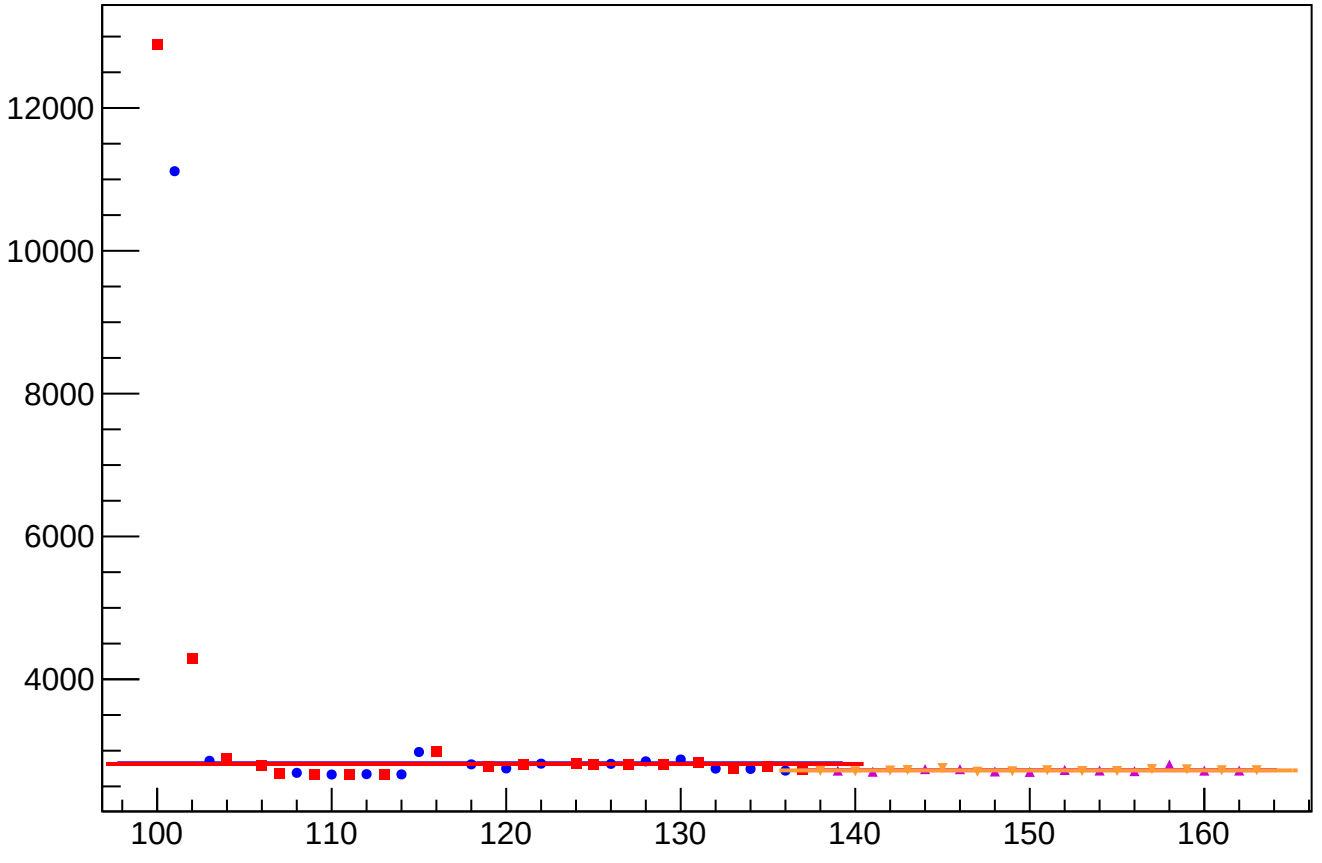
Left In: -2803.626+/-847.486 χ^2/NDF:19.7/11

+ sign 2288.591+/-649.133 χ^2/NDF: 35.3/29

All: -188.989+/-462.608 χ^2/NDF: 94.5/60

- sign -2745.895+/-659.443 χ^2/NDF: 29.7/30

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

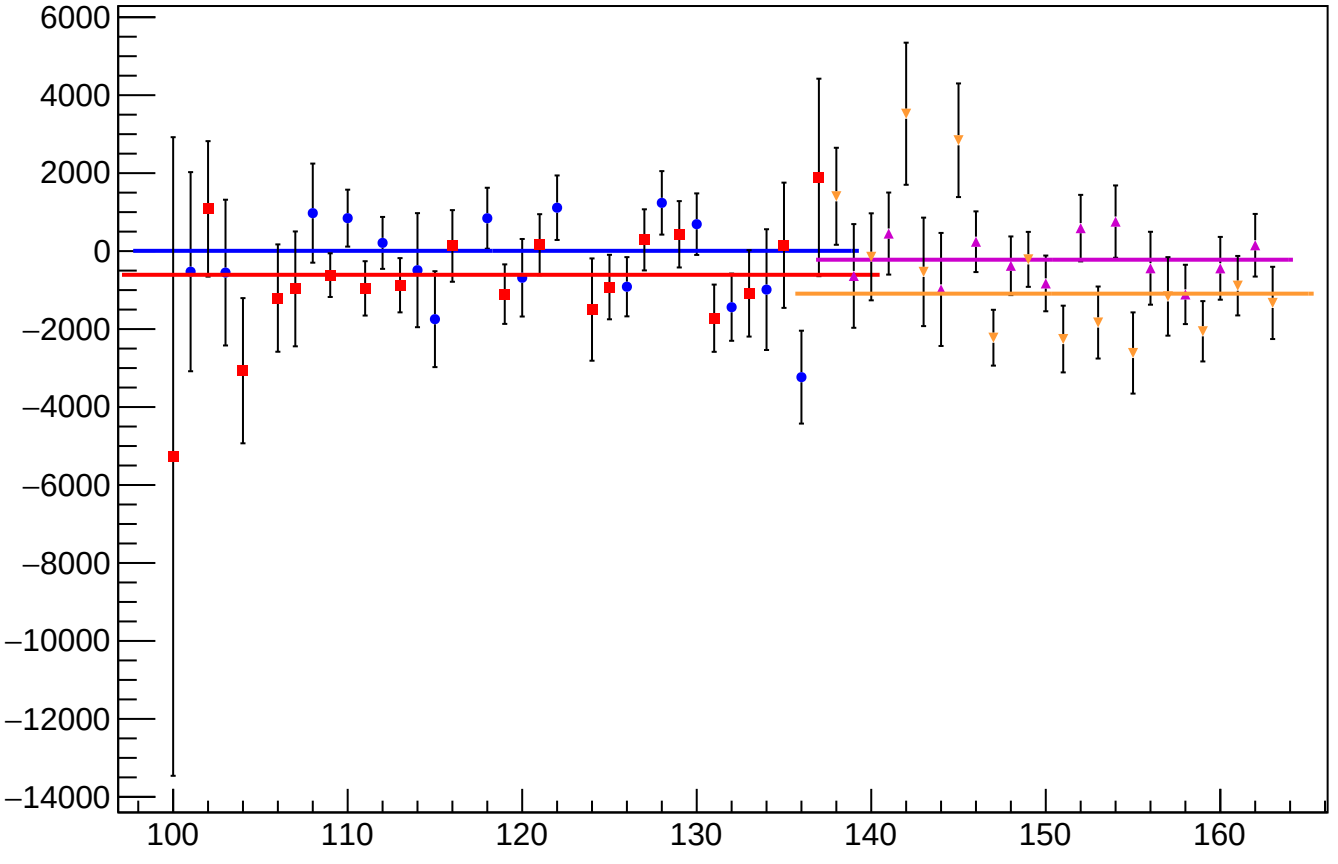
Left In: 2728.192+/-0.599 χ^2/NDF:1853.0/11

+ sign 2760.233+/-0.459 χ^2/NDF: 755286.9/29

All: 2761.091+/-0.327 χ^2/NDF: 965714.1/60

- sign 2761.976+/-0.466 χ^2/NDF: 210420.2/30

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

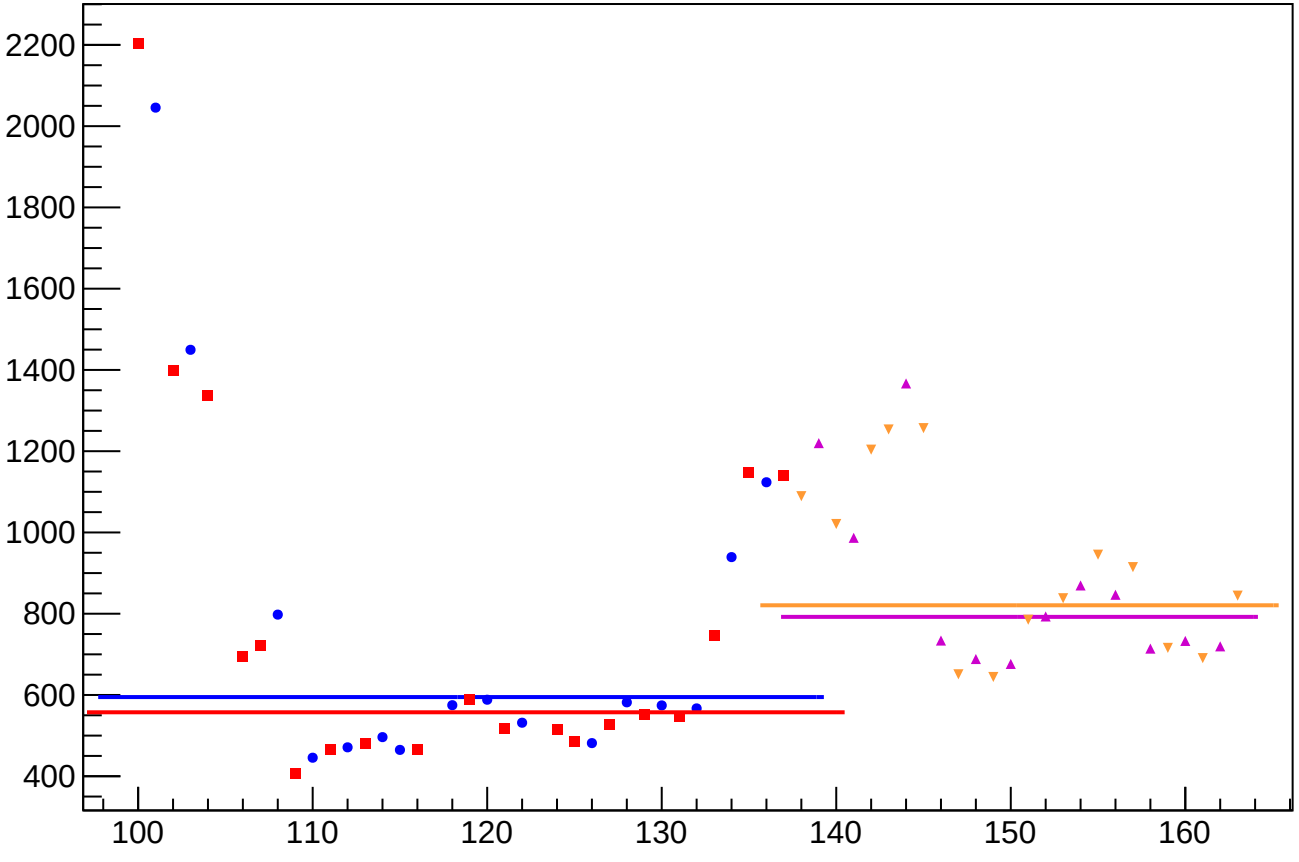
Left In: -220.769+/-251.469 χ^2/NDF:5.6/11

+ sign -508.716+/-172.950 χ^2/NDF: 61.8/29

All: -473.884+/-119.129 χ^2/NDF: 81.1/60

- sign -442.439+/-164.329 χ^2/NDF: 19.1/30

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002239.1/13

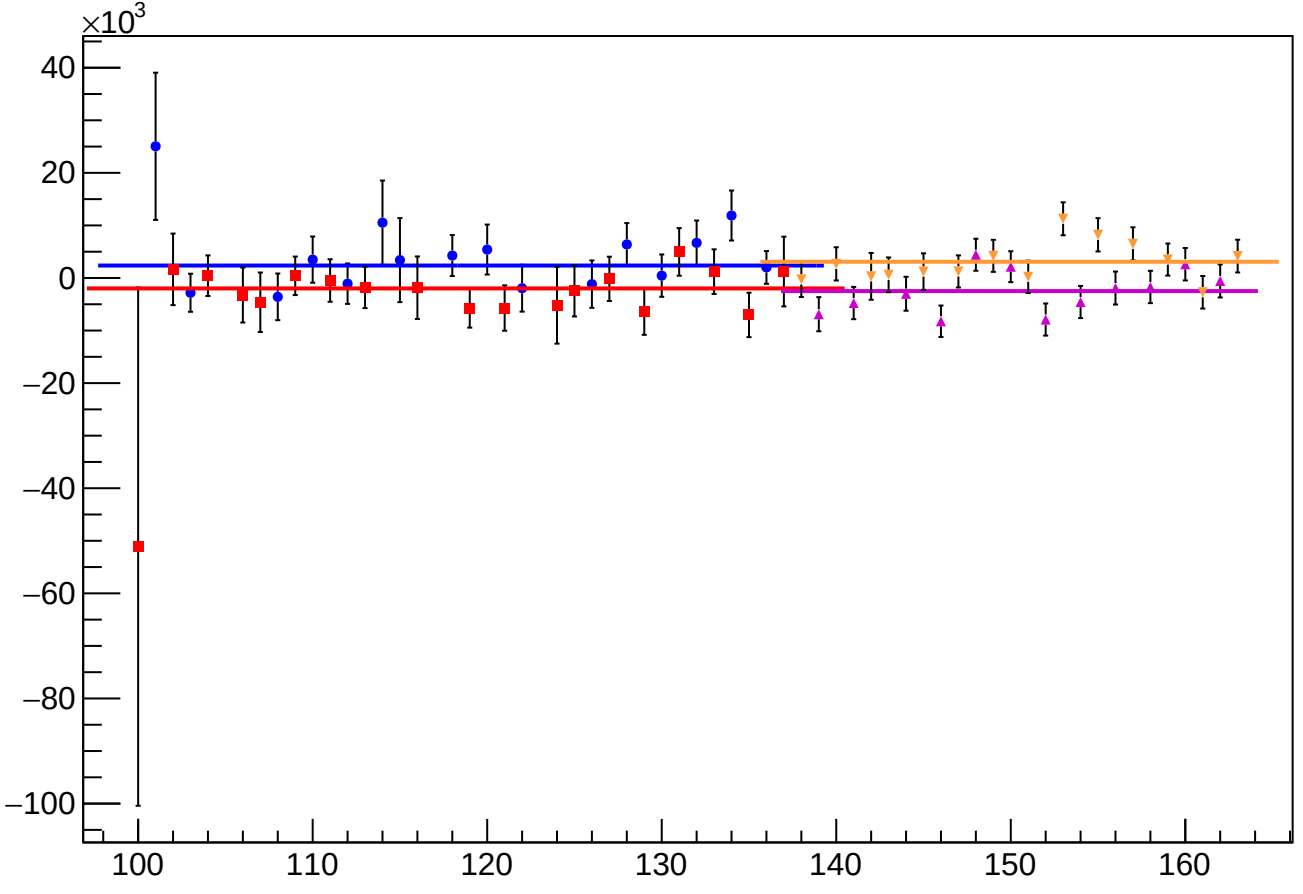
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 792.236+/-0.178 χ^2/NDF:759679.1/11

+ sign 700.915+/-0.122 χ^2/NDF: 3704654.6/29

All: 678.193+/-0.084 χ^2/NDF: 7160711.4/60

- sign 657.680+/-0.116 χ^2/NDF: 3390373.3/30



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3085.212+/-860.455 χ^2/NDF:17.9/13

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

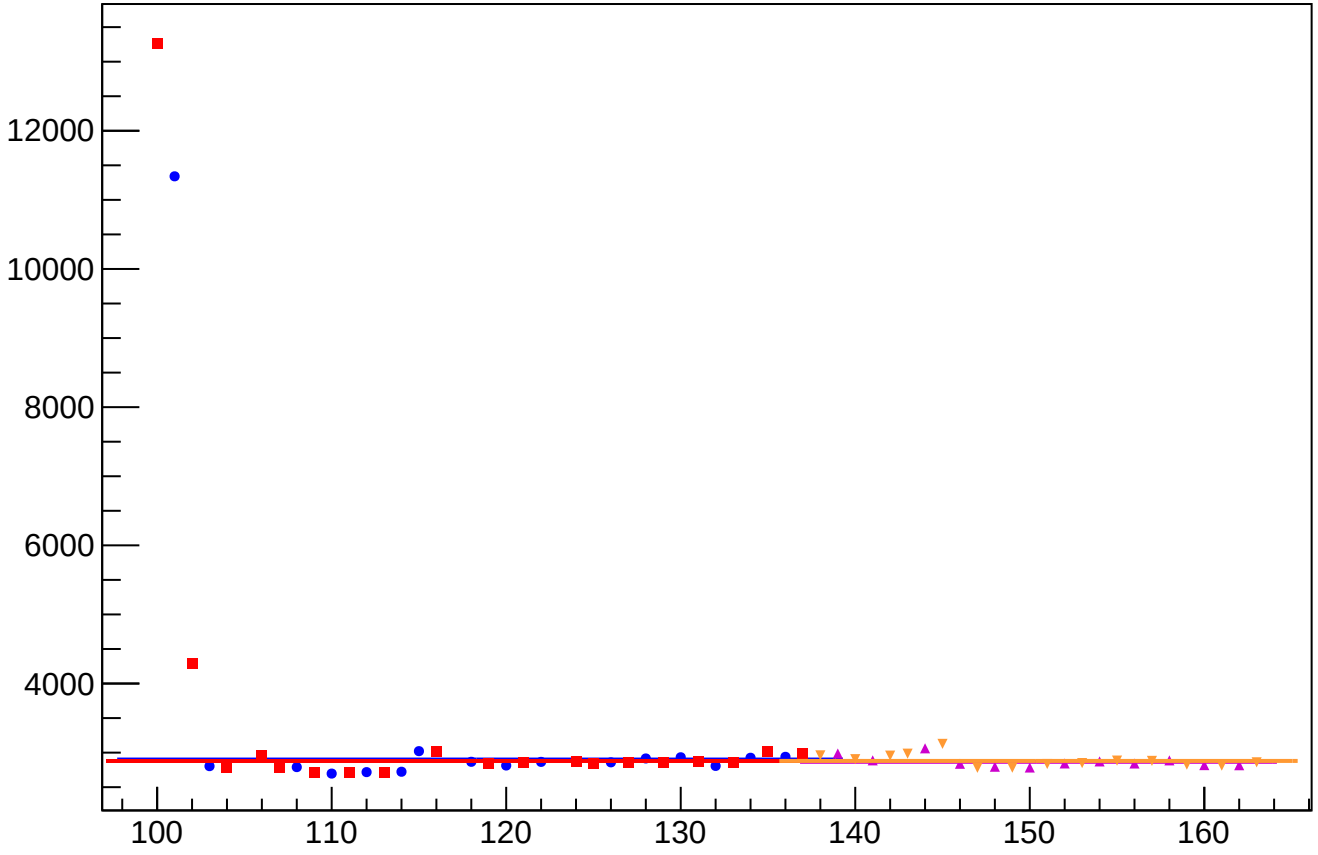
Left In: -2490.843+/-890.991 χ^2/NDF:20.6/11

+ sign 2814.537+/-679.180 χ^2/NDF: 35.0/29

All: 290.153+/-482.672 χ^2/NDF: 93.9/60

- sign -2285.756+/-686.076 χ^2/NDF: 31.0/30

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2879.943+/-0.608 χ^2/NDF:20511.6/13

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

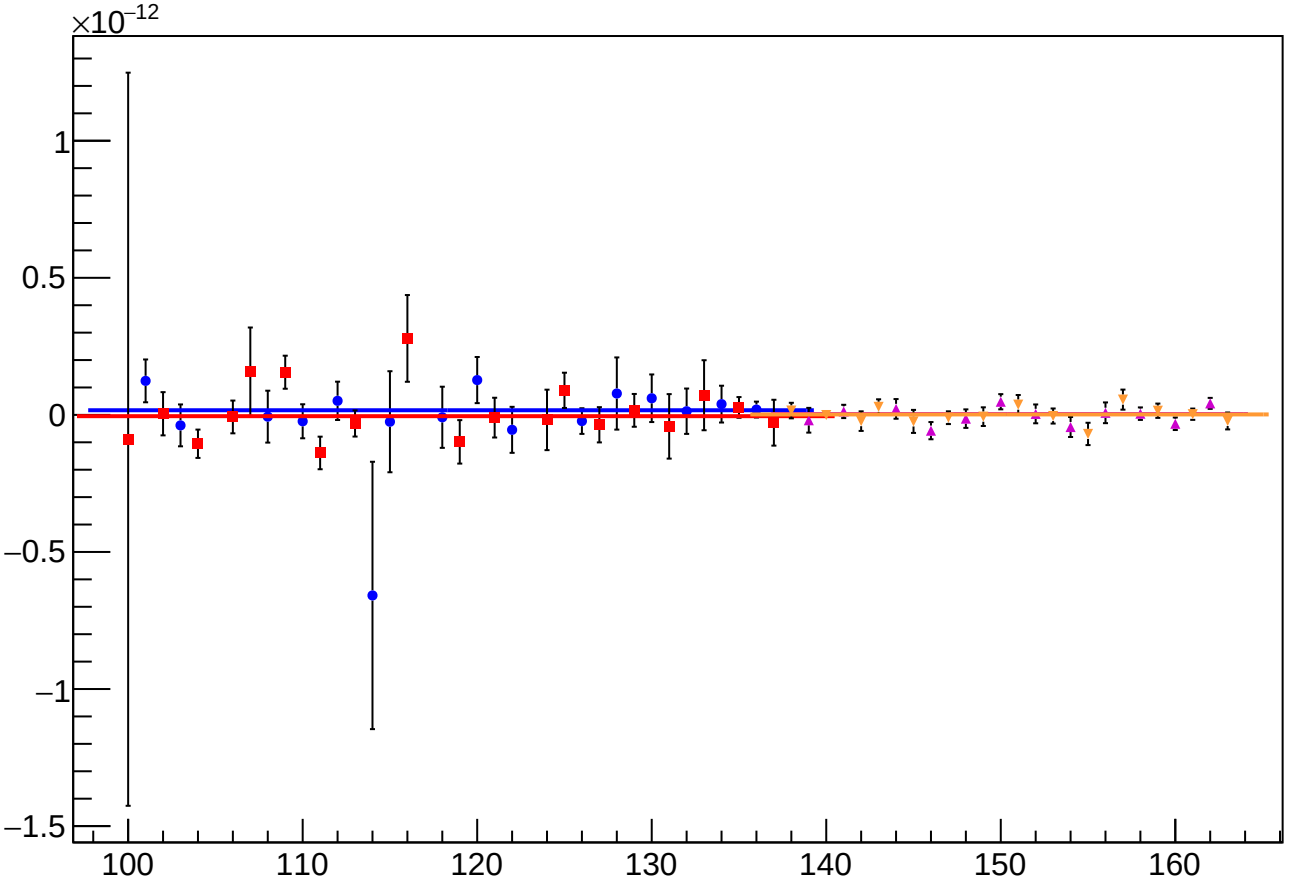
Left In: 2867.118+/-0.630 χ^2/NDF:14299.8/11

+ sign 2887.439+/-0.480 χ^2/NDF: 762732.4/29

All: 2879.766+/-0.341 χ^2/NDF: 970974.1/60

- sign 2871.937+/-0.485 χ^2/NDF: 207726.0/30

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:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

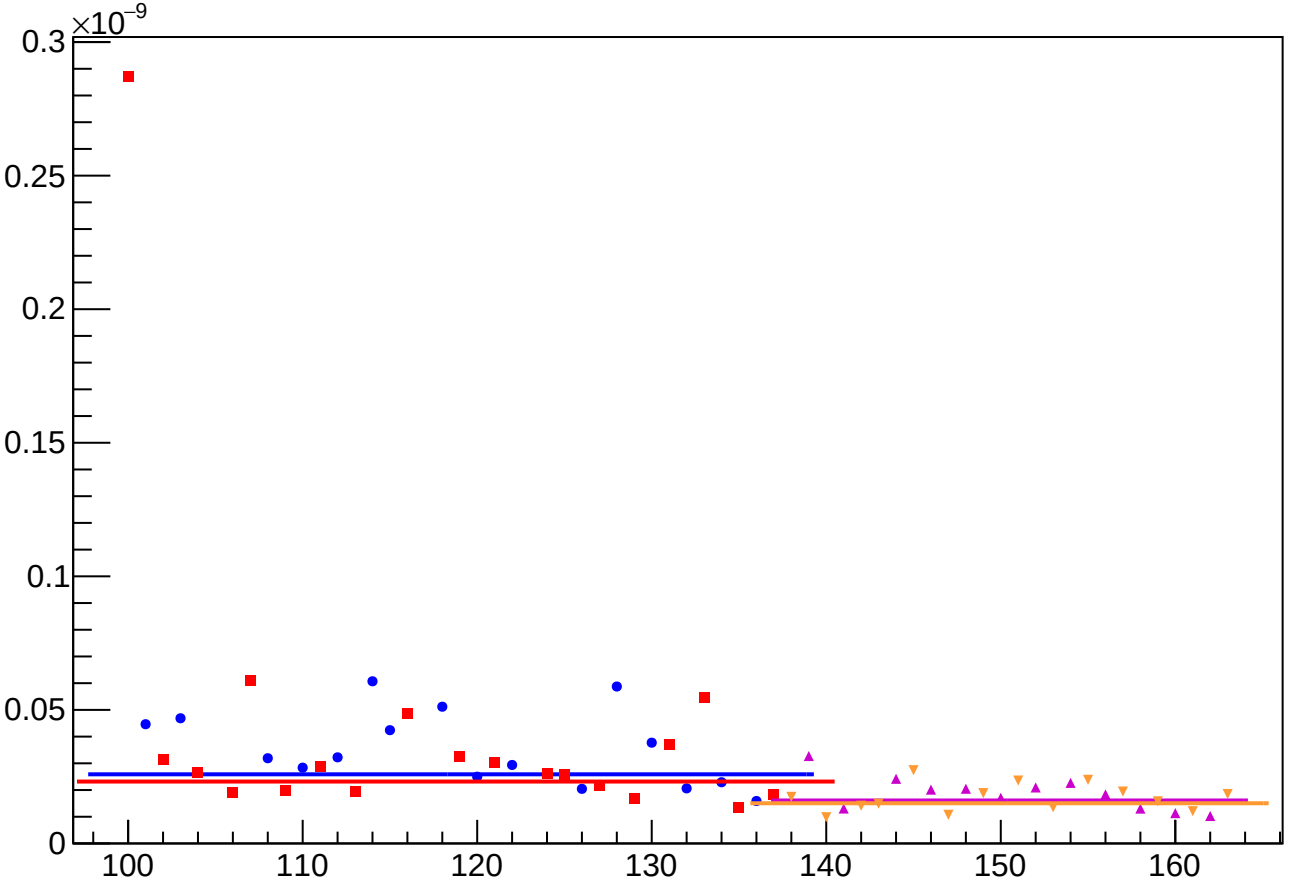
Left In: 0.000+/-0.000 χ^2/NDF:15.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 19.2/29

All: 0.000+/-0.000 χ^2/NDF: 60.3/60

- sign 0.000+/-0.000 χ^2/NDF: 41.1/30

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:757891.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

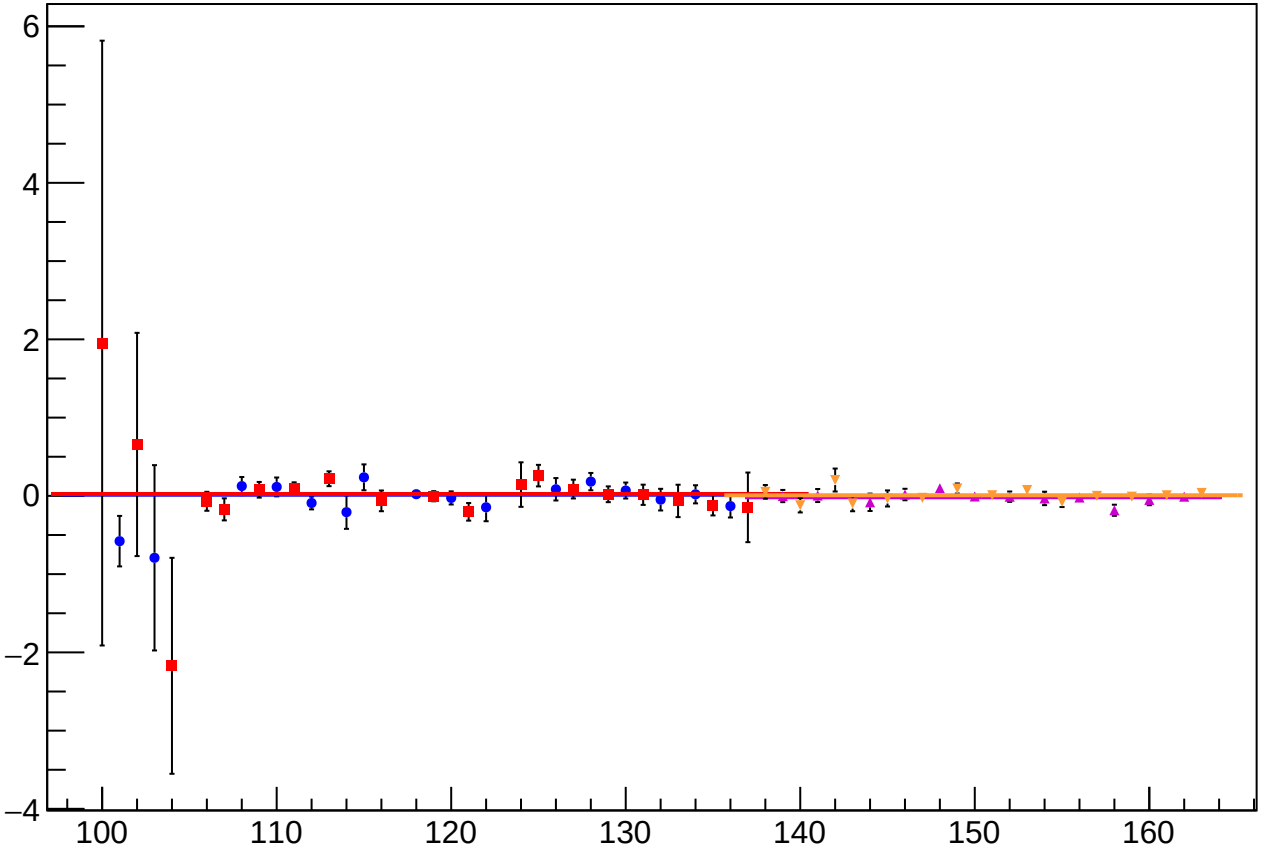
Left In: 0.000+/-0.000 χ^2/NDF:877534.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 2313083.9/29

All: 0.000+/-0.000 χ^2/NDF: 4212390.4/60

- sign 0.000+/-0.000 χ^2/NDF: 1886786.7/30

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

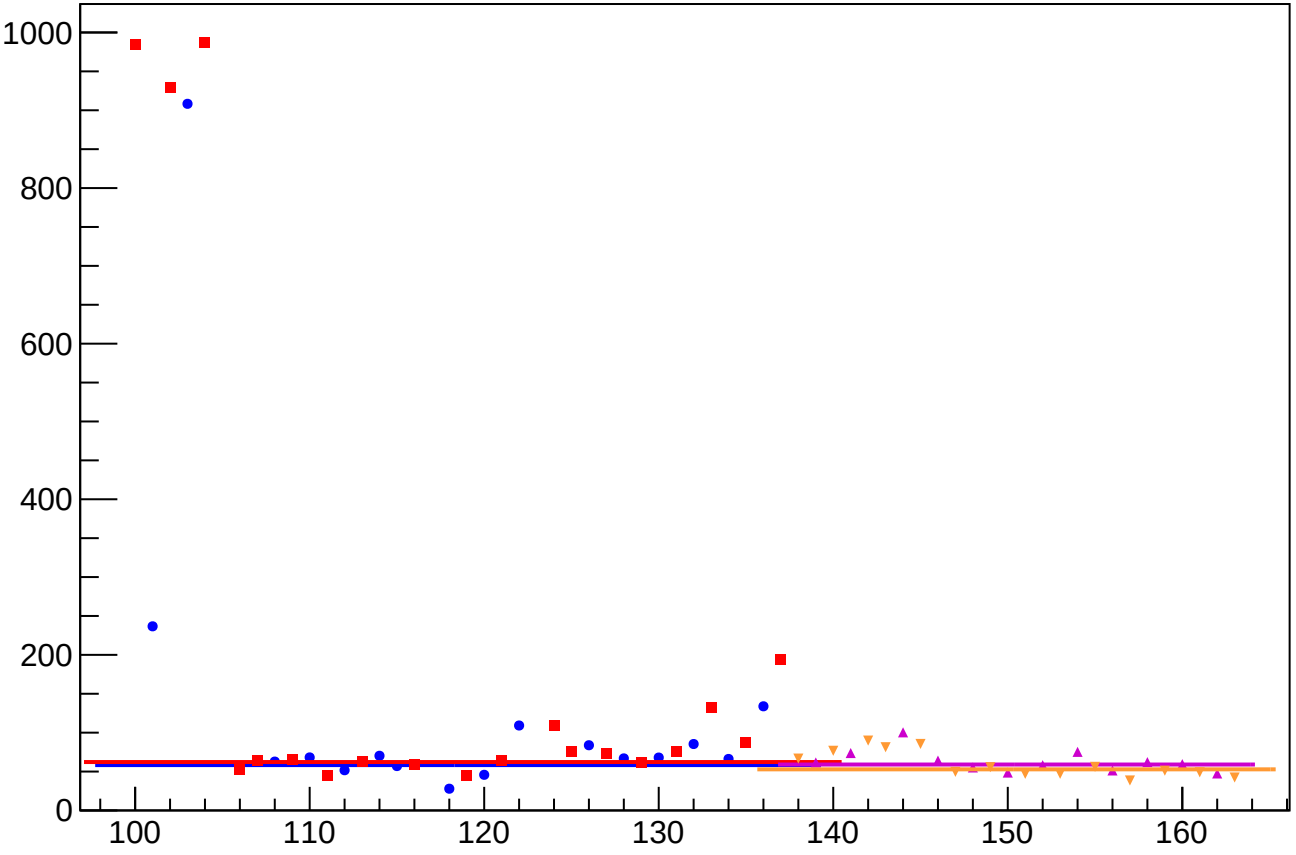
Left In: -0.018+/-0.020 χ^2/NDF:9.8/11

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.1/60

- sign -0.004+/-0.016 χ^2/NDF: 32.0/30

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

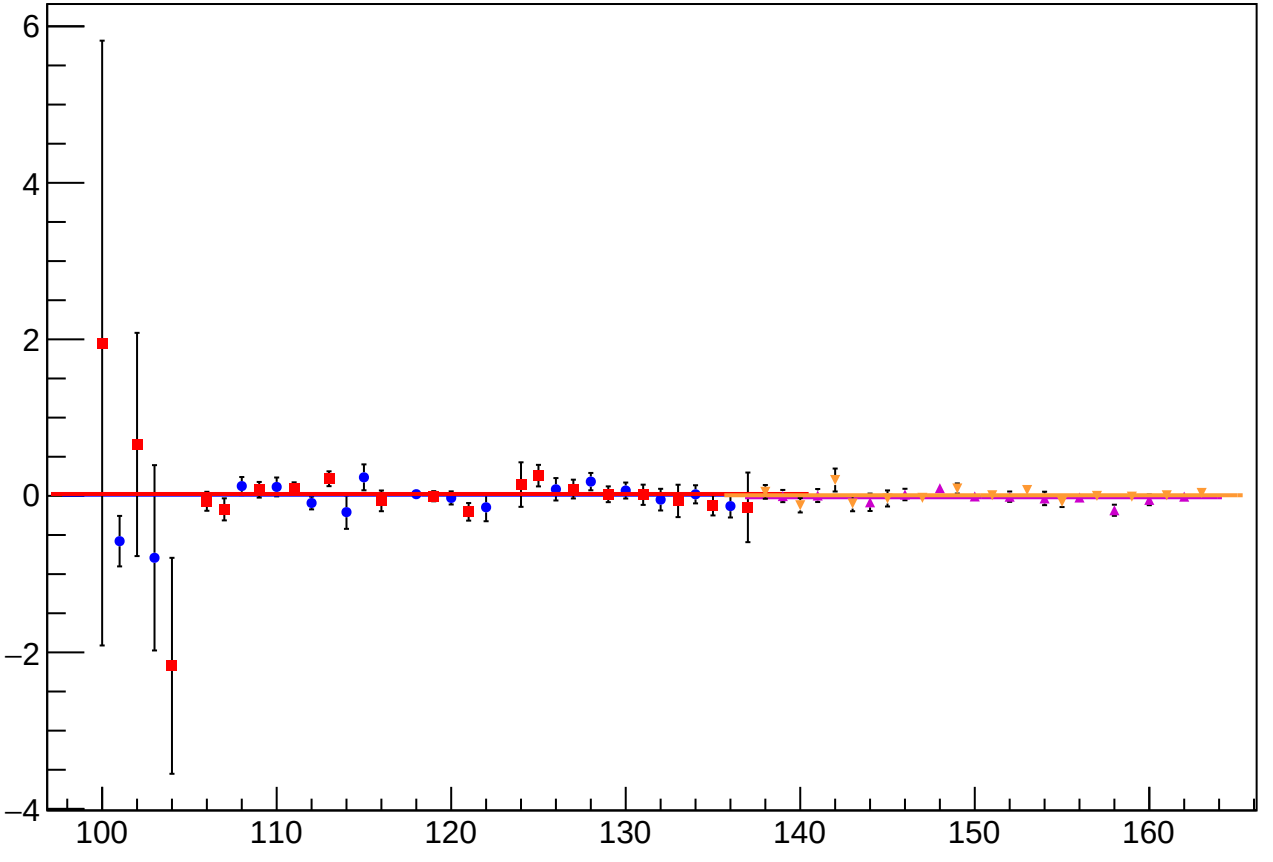
Left In: 59.033+/-0.014 χ^2/NDF:610219.2/11

+ sign 54.478+/-0.011 χ^2/NDF: 4250836.3/29

All: 57.100+/-0.008 χ^2/NDF: 7633181.8/60

- sign 60.120+/-0.012 χ^2/NDF: 3254498.0/30

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

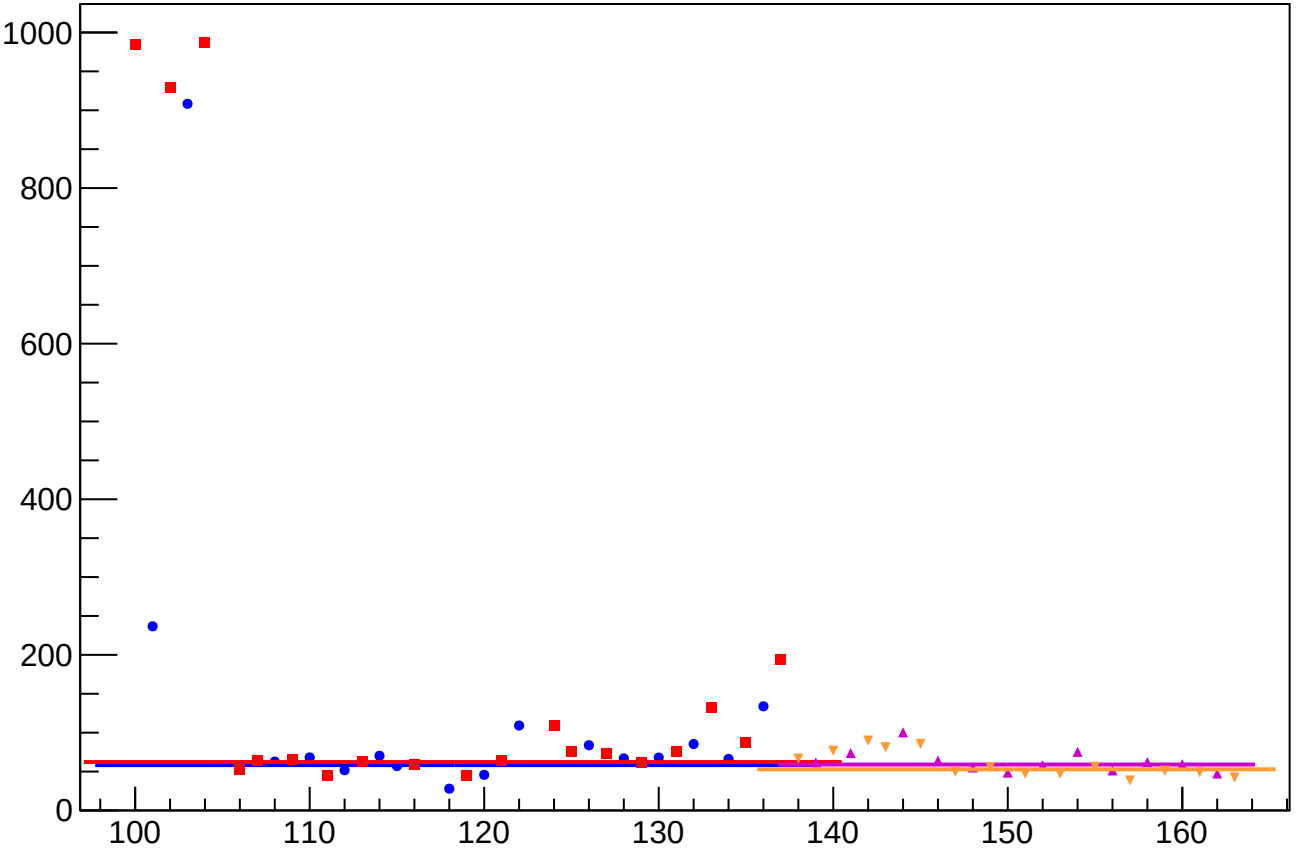
Left In: -0.018+/-0.020 χ^2/NDF:9.8/11

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.1/60

- sign -0.004+/-0.016 χ^2/NDF: 32.0/30

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

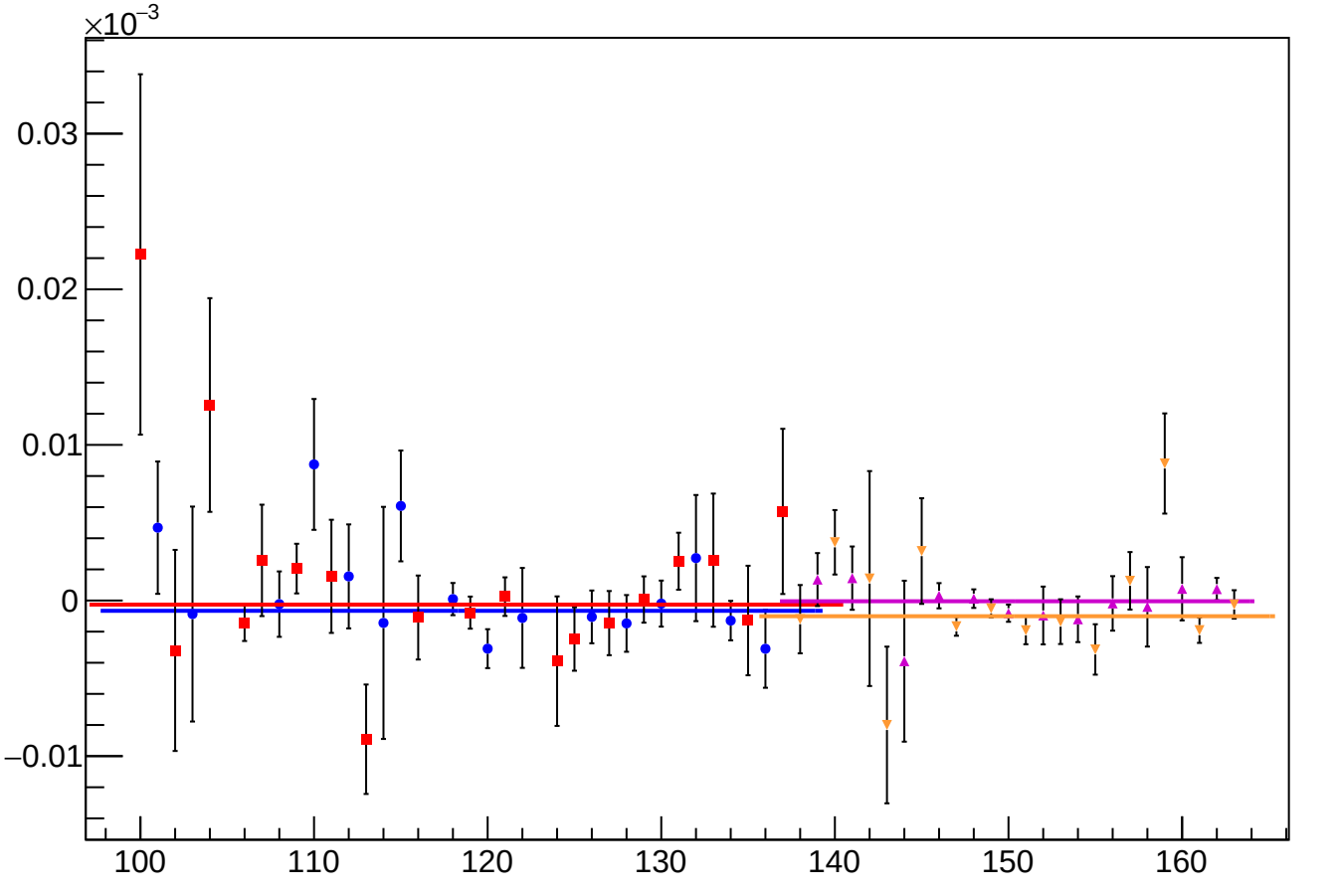
Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.033+/-0.014 χ^2/NDF:610219.2/11

+ sign 54.478+/-0.011 χ^2/NDF: 4250836.3/29

All: 57.100+/-0.008 χ^2/NDF: 7633181.8/60

- sign 60.120+/-0.012 χ^2/NDF: 3254498.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

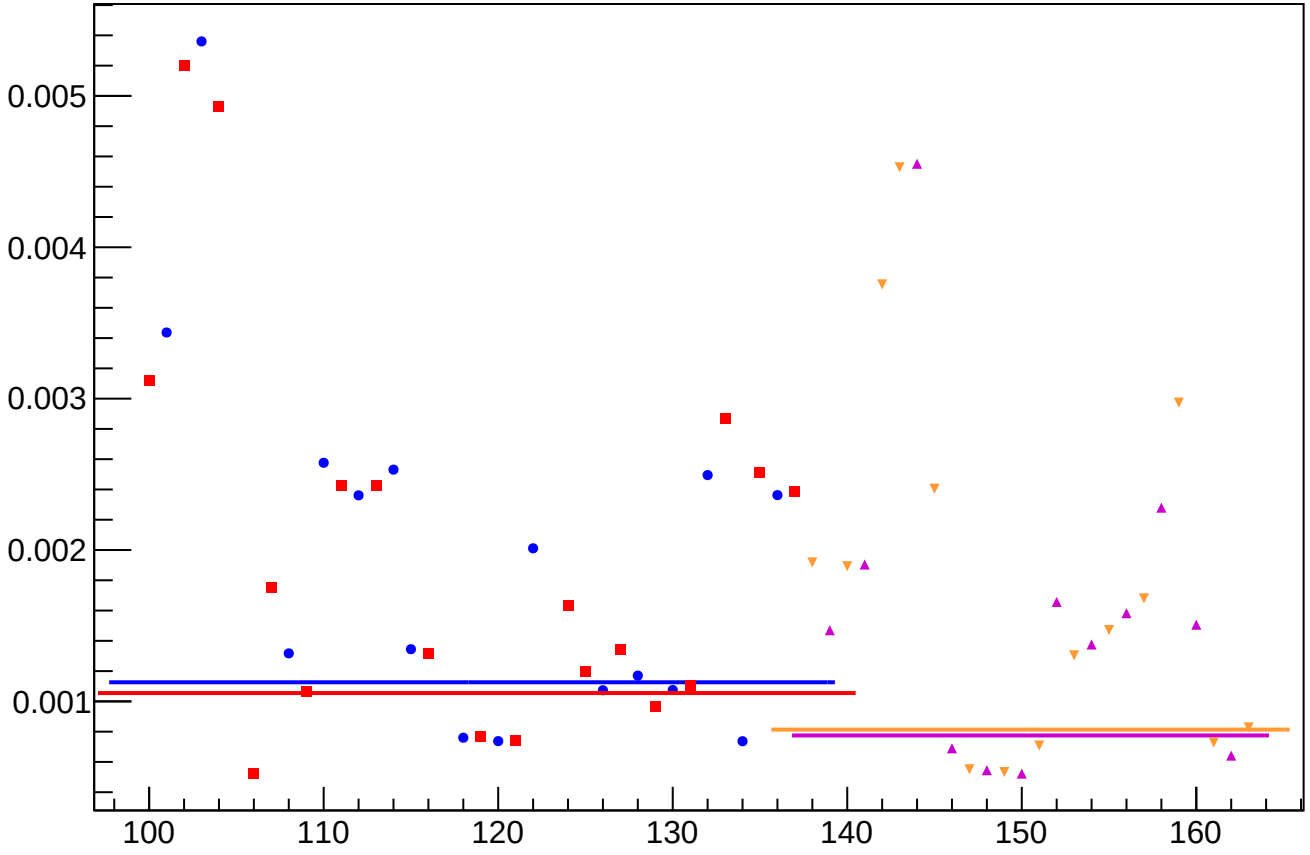
Left In: -0.000+/-0.000 χ^2/NDF:6.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/29

All: -0.000+/-0.000 χ^2/NDF: 80.0/60

- sign -0.000+/-0.000 χ^2/NDF: 30.9/30

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:5729504.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

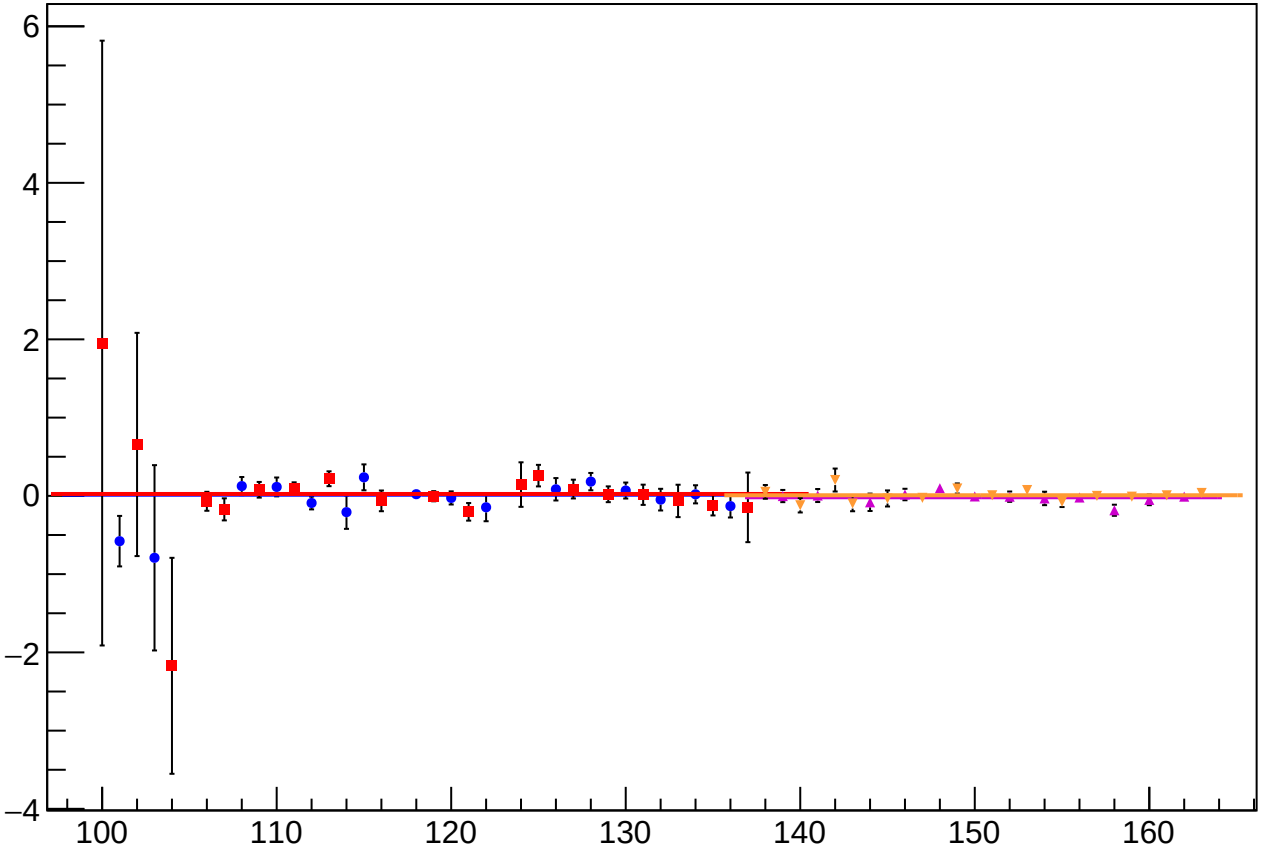
Left In: 0.001+/-0.000 χ^2/NDF:4987999.0/11

+ sign 0.001+/-0.000 χ^2/NDF: 9779077.7/29

All: 0.001+/-0.000 χ^2/NDF: 19164113.4/60

- sign 0.001+/-0.000 χ^2/NDF: 9356210.7/30

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

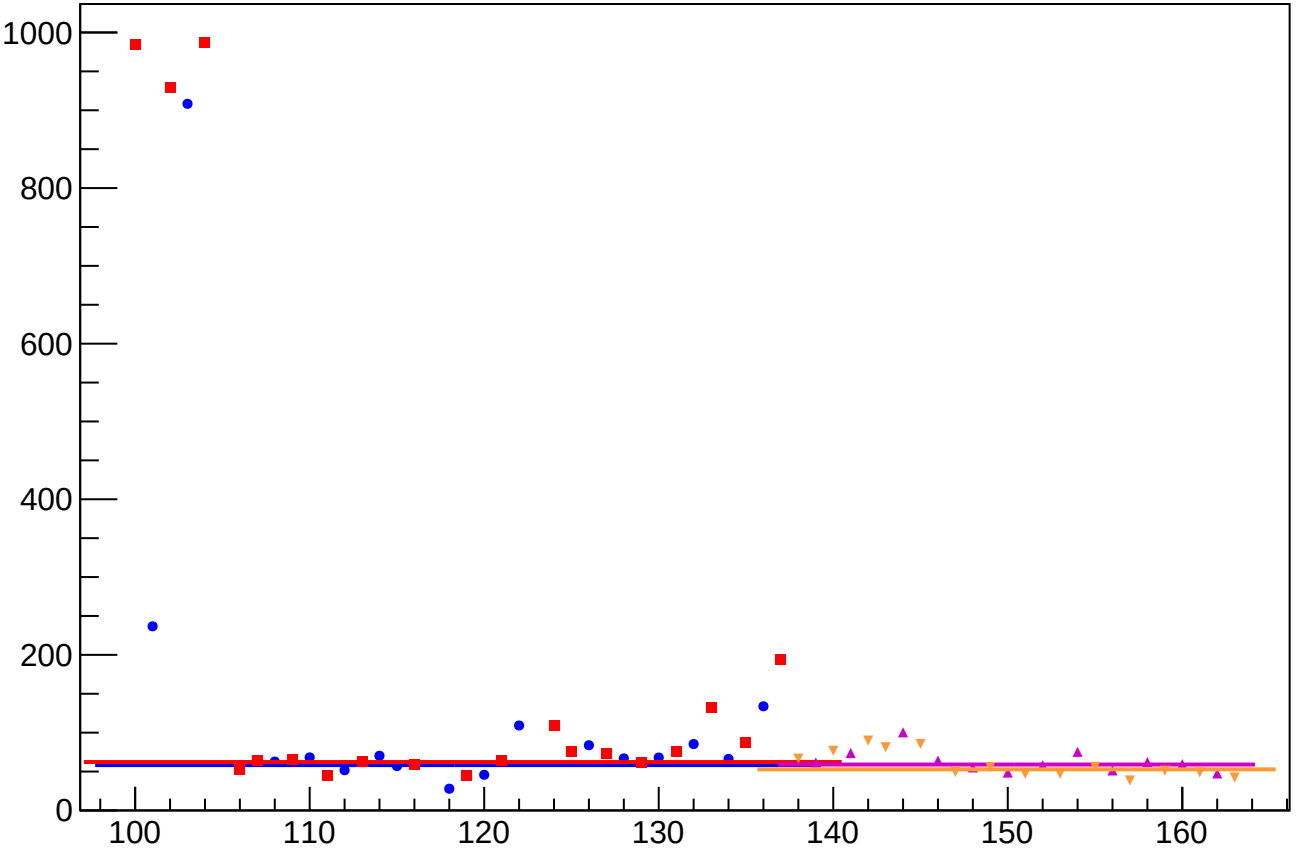
Left In: -0.018+/-0.020 χ^2/NDF:9.8/11

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.1/60

- sign -0.004+/-0.016 χ^2/NDF: 32.0/30

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

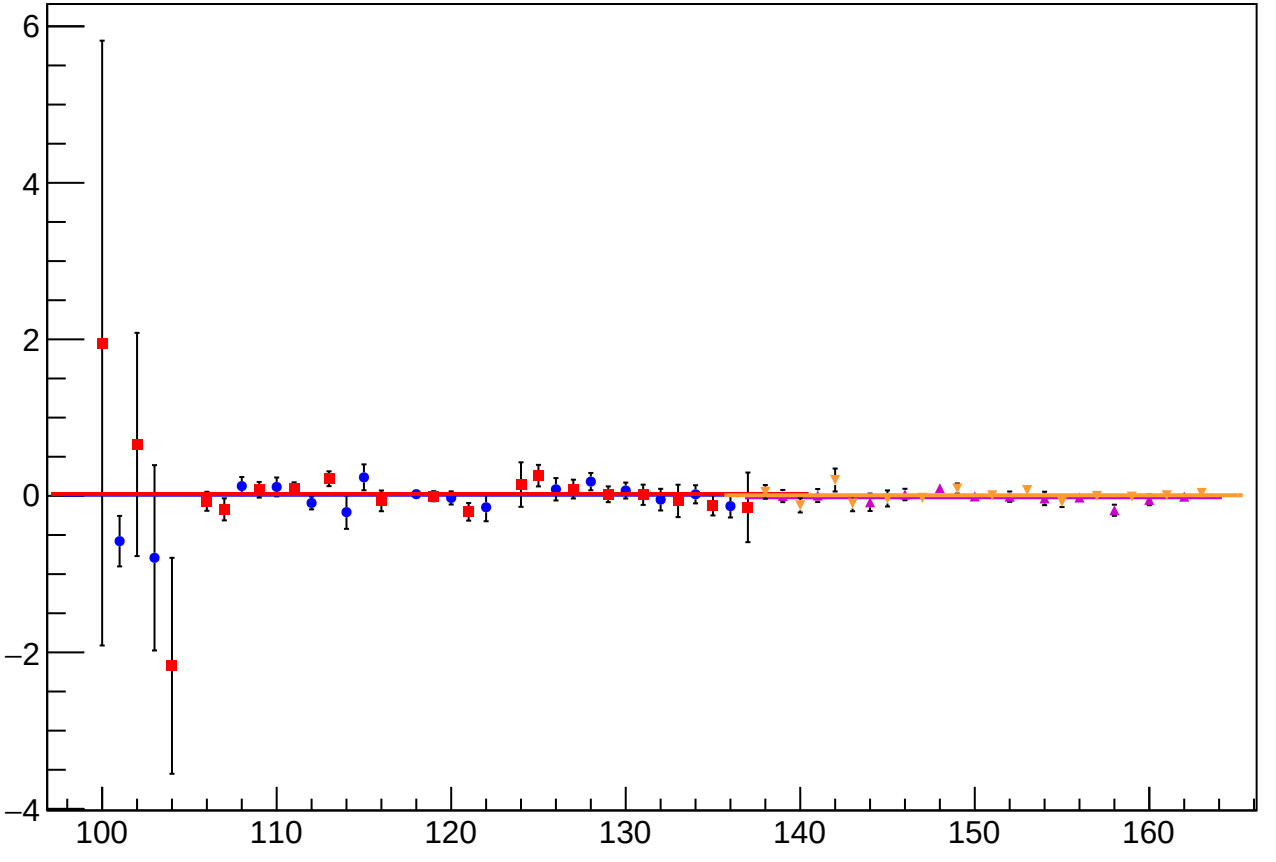
Left In: 59.033+/-0.014 χ^2/NDF:610242.4/11

+ sign 54.477+/-0.011 χ^2/NDF: 4250964.3/29

All: 57.099+/-0.008 χ^2/NDF: 7633356.4/60

- sign 60.119+/-0.012 χ^2/NDF: 3254511.7/30

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

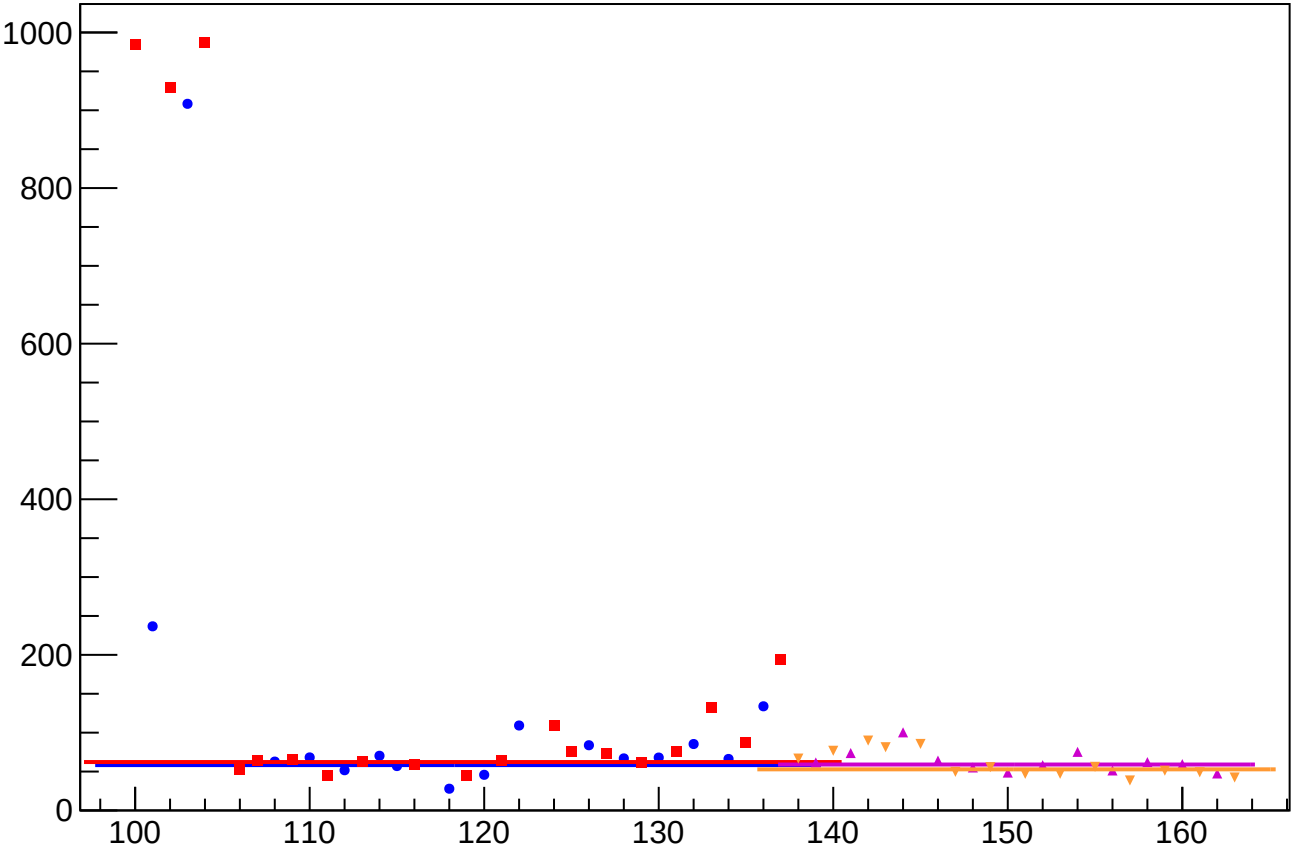
Left In: -0.018+/-0.020 χ^2/NDF:9.8/11

+ sign 0.010+/-0.015 χ^2/NDF: 25.7/29

All: 0.004+/-0.011 χ^2/NDF: 58.1/60

- sign -0.004+/-0.016 χ^2/NDF: 32.0/30

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: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

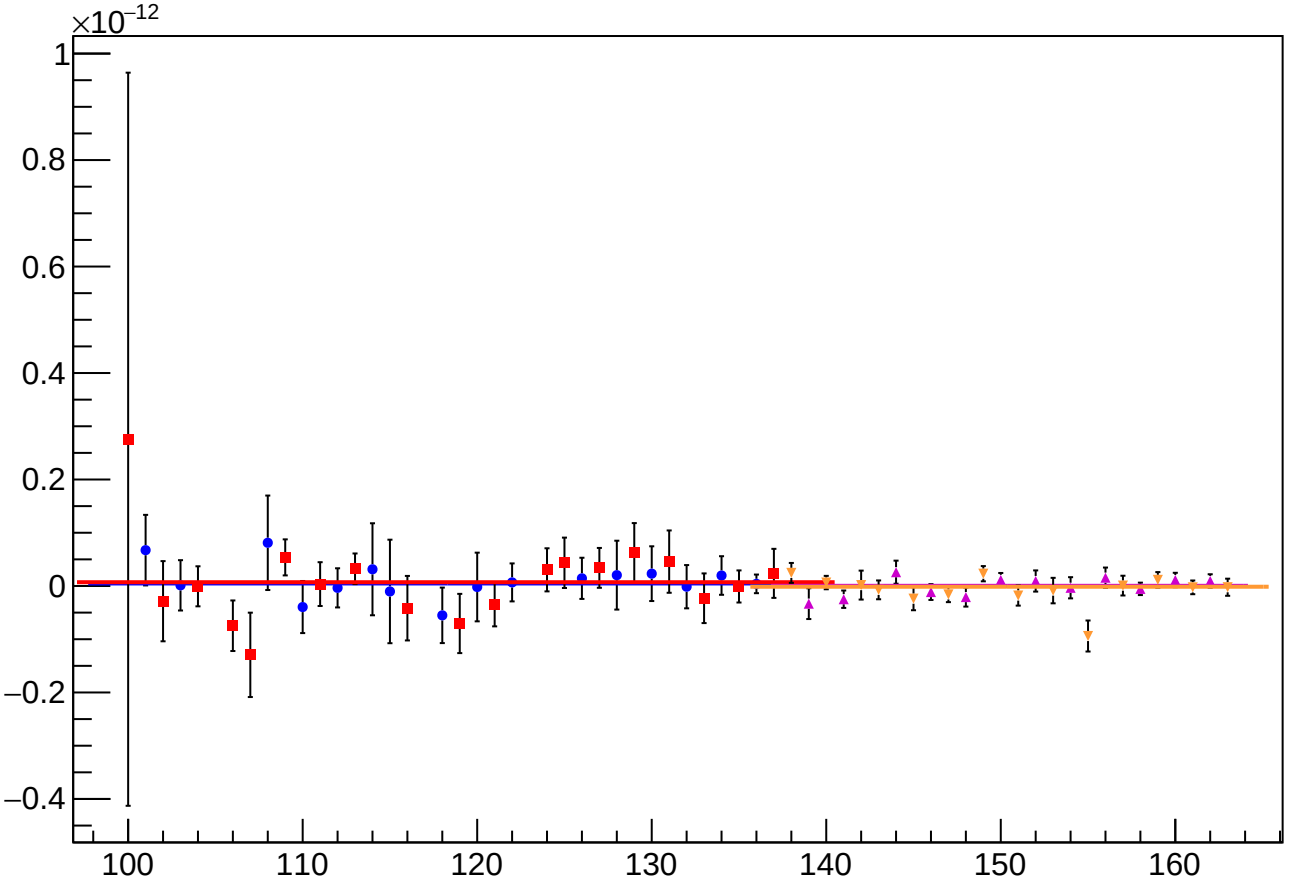
Left In: 59.033+/-0.014 χ^2/NDF:610242.4/11

+ sign 54.477+/-0.011 χ^2/NDF: 4250964.3/29

All: 57.099+/-0.008 χ^2/NDF: 7633356.4/60

- sign 60.119+/-0.012 χ^2/NDF: 3254511.7/30

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:19.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

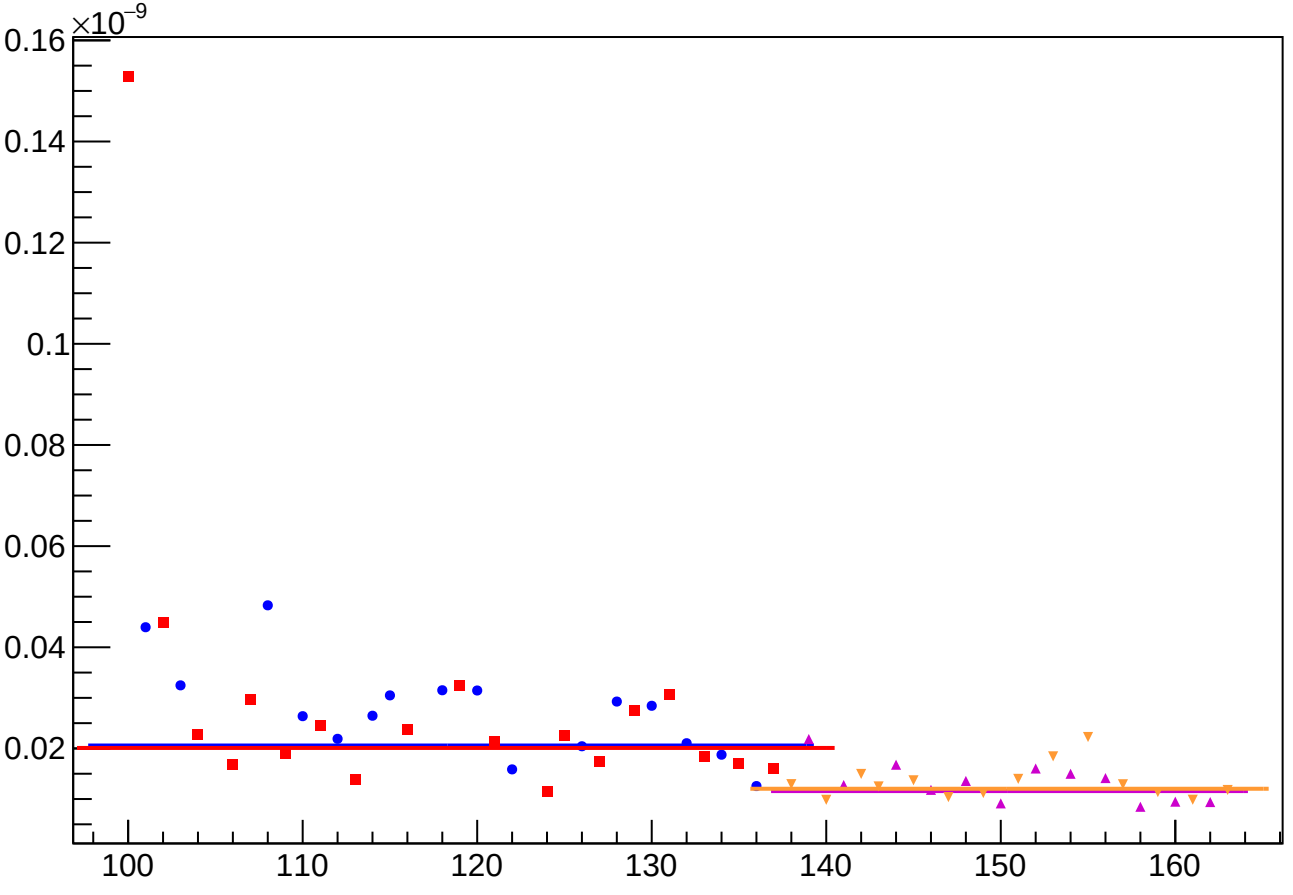
Left In: 0.000+/-0.000 χ^2/NDF:10.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 23.9/29

All: 0.000+/-0.000 χ^2/NDF: 50.6/60

- sign 0.000+/-0.000 χ^2/NDF: 26.7/30

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:611336.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

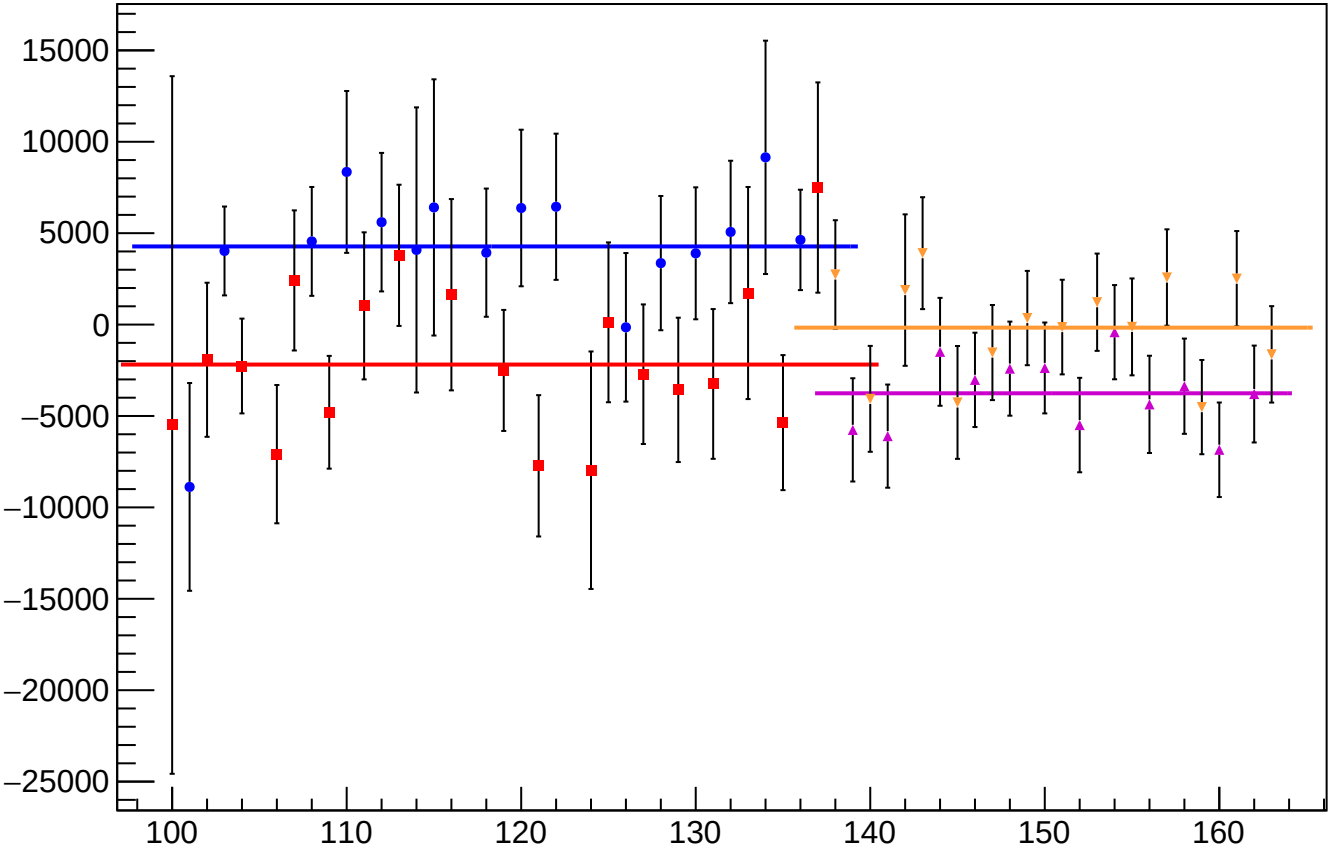
Left In: 0.000+/-0.000 χ^2/NDF:921714.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 3093956.1/29

All: 0.000+/-0.000 χ^2/NDF: 6016112.9/60

- sign 0.000+/-0.000 χ^2/NDF: 2912608.0/30

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.309+/-741.411 χ^2/NDF:12.4/13

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

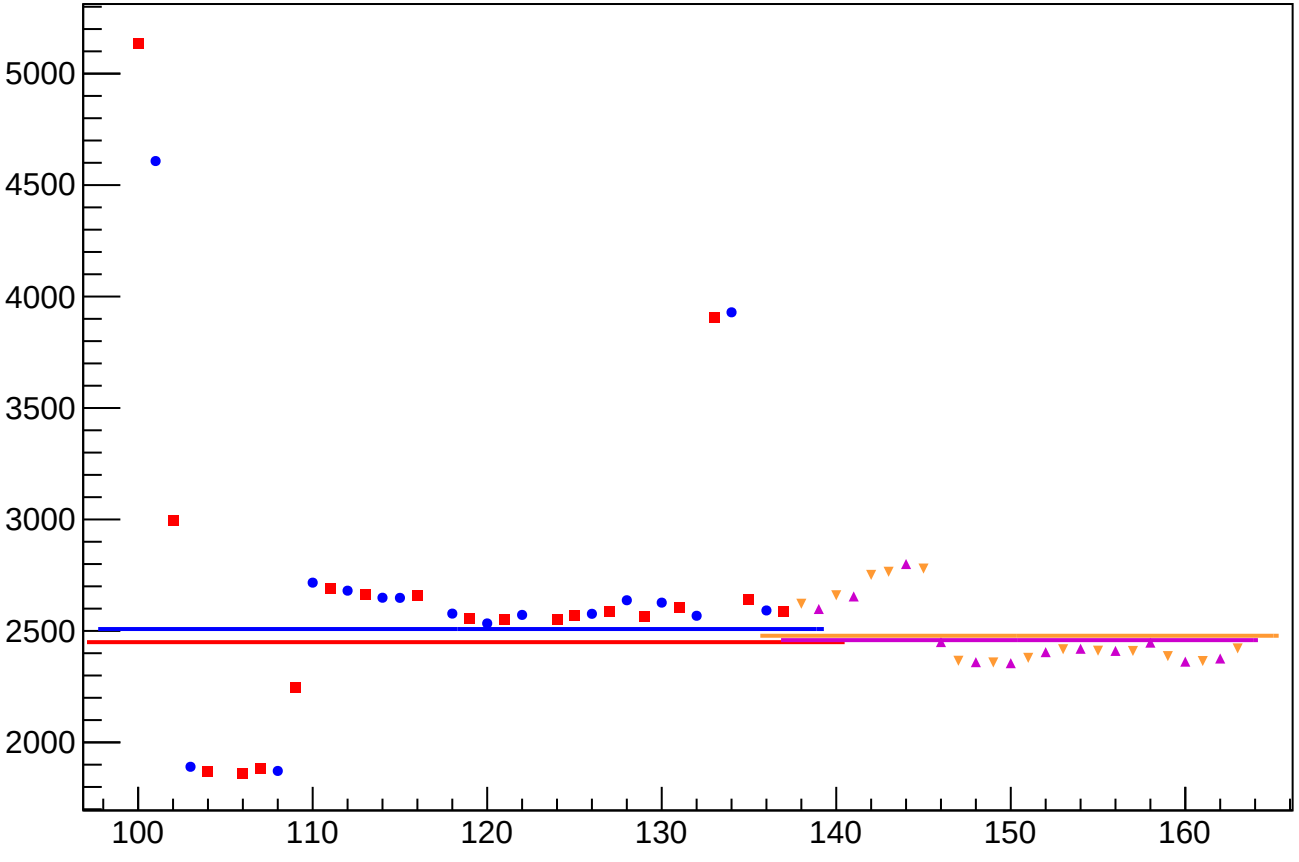
Left In: -3758.854+/-764.760 χ^2/NDF:6.1/11

+ sign 1509.689+/-584.936 χ^2/NDF: 34.9/29

All: -789.491+/-414.920 χ^2/NDF: 88.6/60

- sign -3117.979+/-588.652 χ^2/NDF: 22.6/30

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

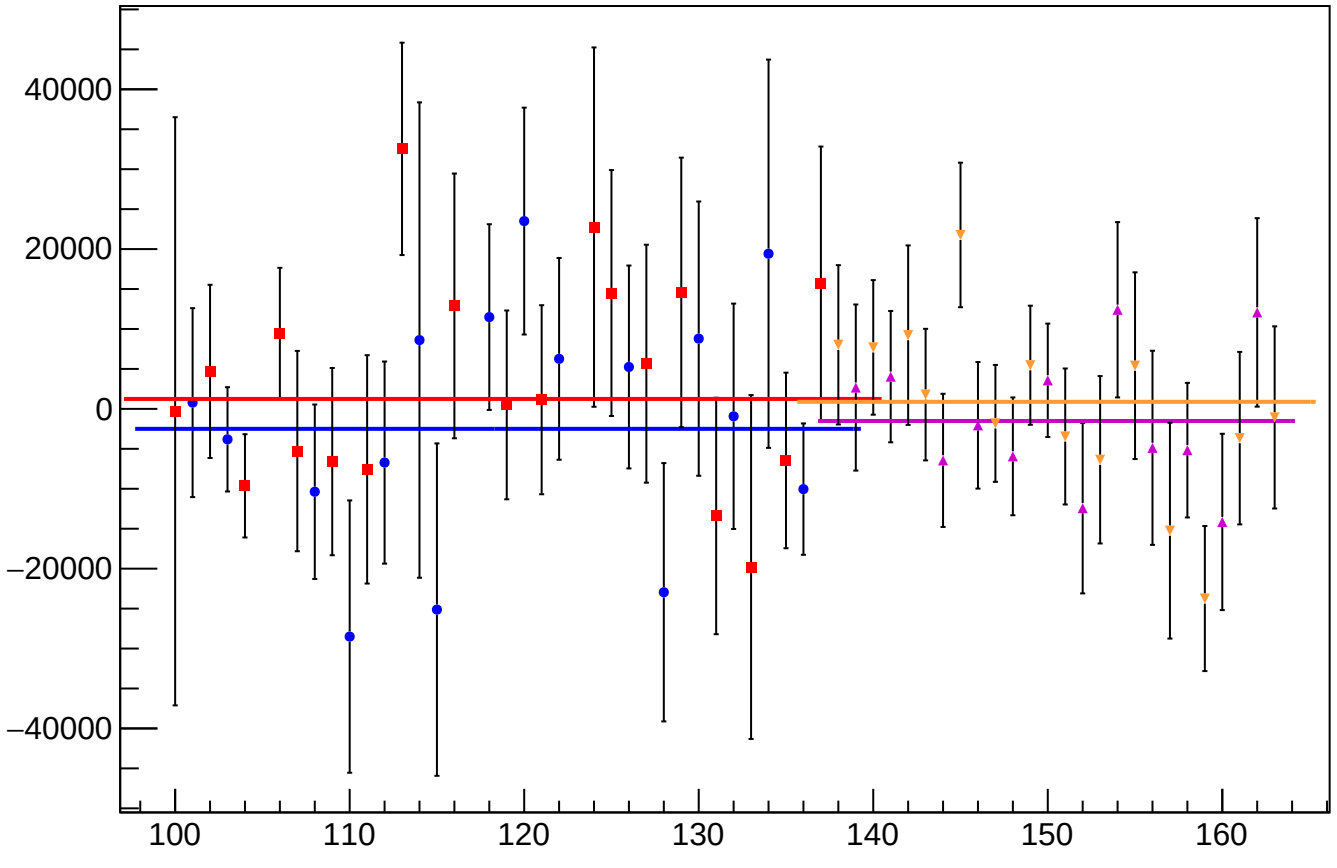
Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

+ sign 2489.728+/-0.414 χ^2/NDF: 692567.7/29

All: 2472.457+/-0.293 χ^2/NDF: 1187565.2/60

- sign 2454.965+/-0.416 χ^2/NDF: 491487.9/30



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 885.107+/-2501.076 χ^2/NDF:17.5/13

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

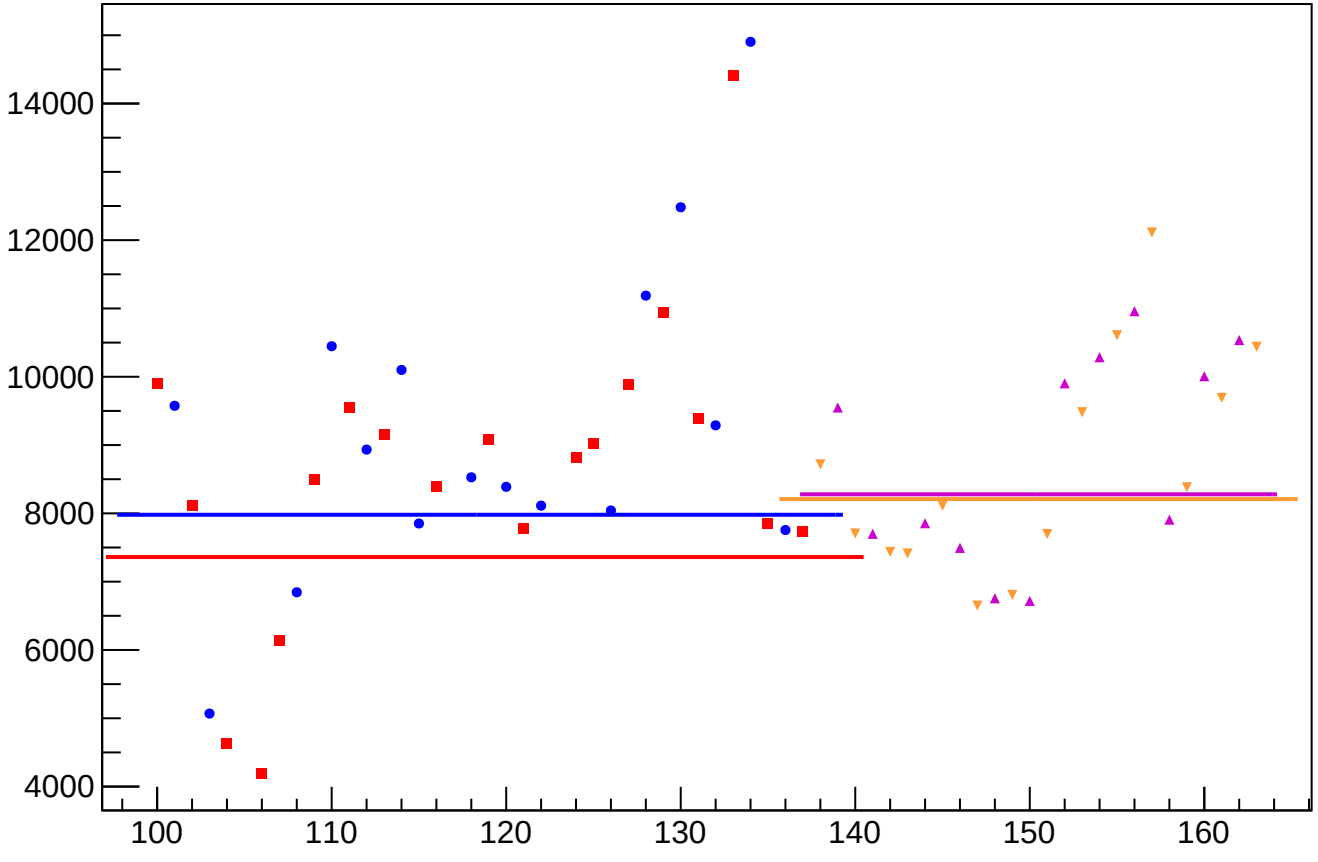
Left In: -1513.947+/-2617.355 χ^2/NDF:7.4/11

+ sign -462.617+/-1940.451 χ^2/NDF: 31.9/29

All: -357.303+/-1367.898 χ^2/NDF: 56.4/60

- sign -253.271+/-1928.604 χ^2/NDF: 24.5/30

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8209.096+/-1.769 χ^2/NDF:605310.5/13

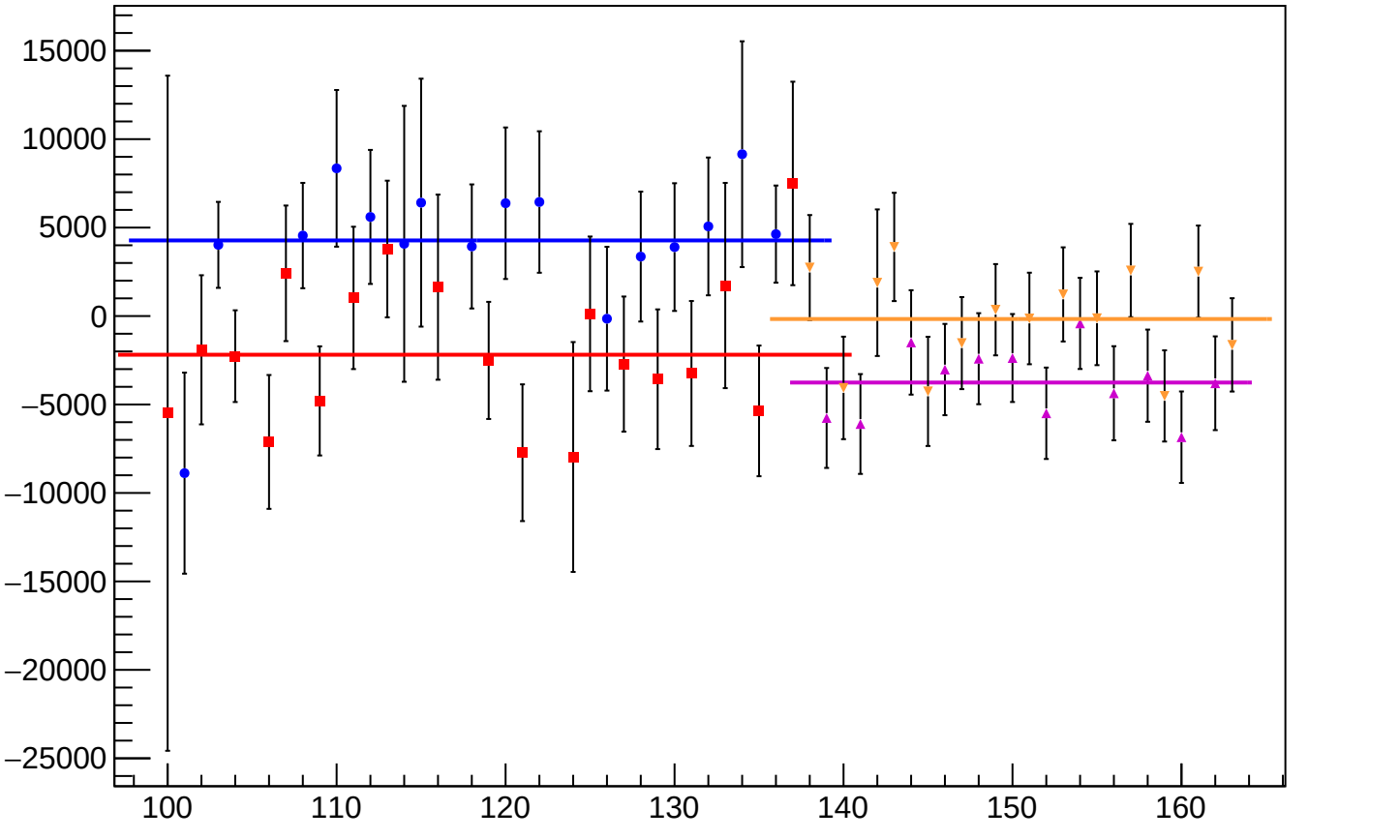
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8278.916+/-1.851 χ^2/NDF:583449.8/11

+ sign 8117.698+/-1.372 χ^2/NDF: 1535104.1/29

All: 7987.691+/-0.967 χ^2/NDF: 3534899.4/60

- sign 7859.266+/-1.364 χ^2/NDF: 1981949.4/30



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

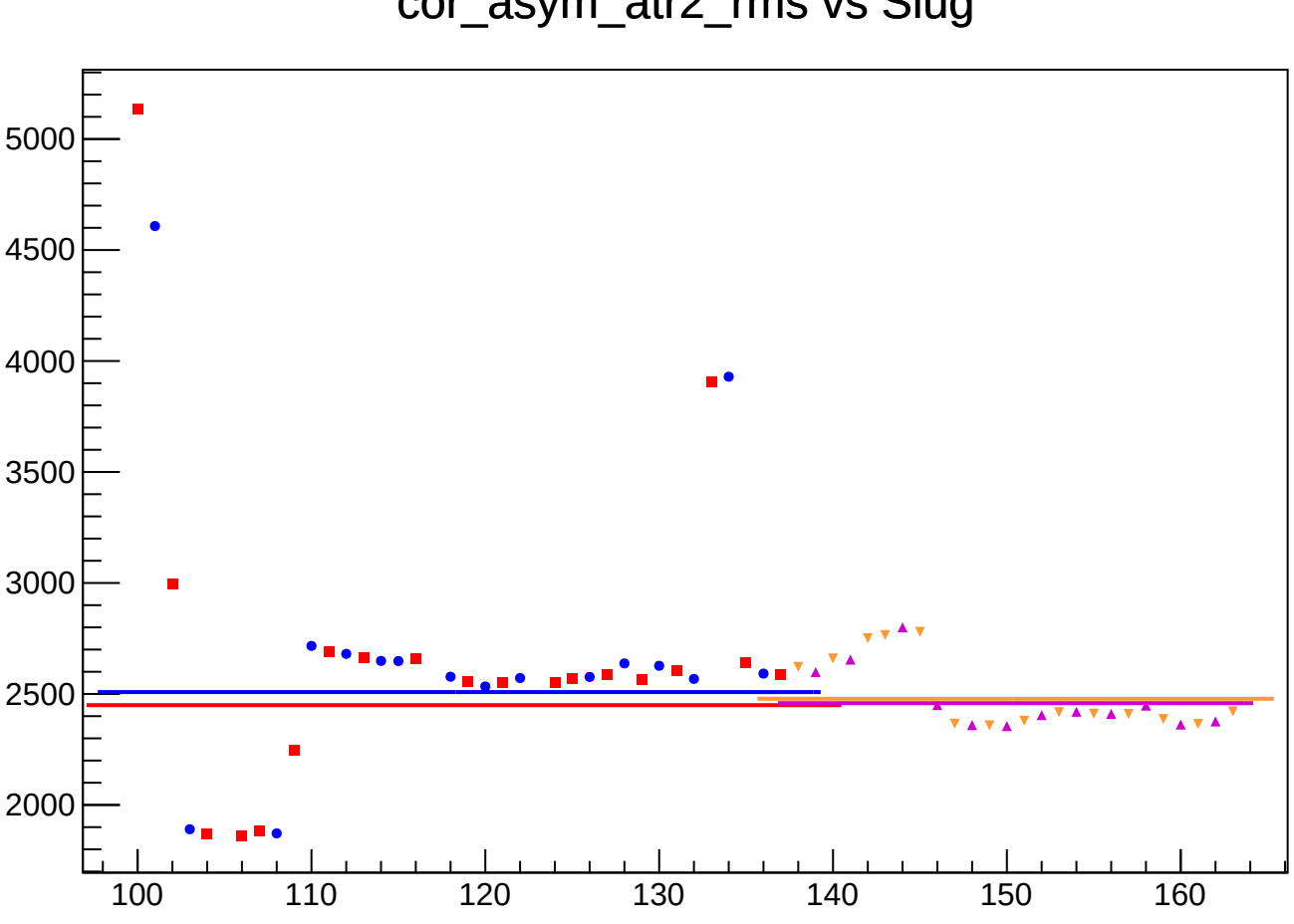
Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: -3758.883+/-764.760 χ^2/NDF:6.1/11

+ sign 1509.330+/-584.936 χ^2/NDF: 34.9/29

All: -789.803+/-414.921 χ^2/NDF: 88.6/60

- sign -3118.256+/-588.654 χ^2/NDF: 22.6/30



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

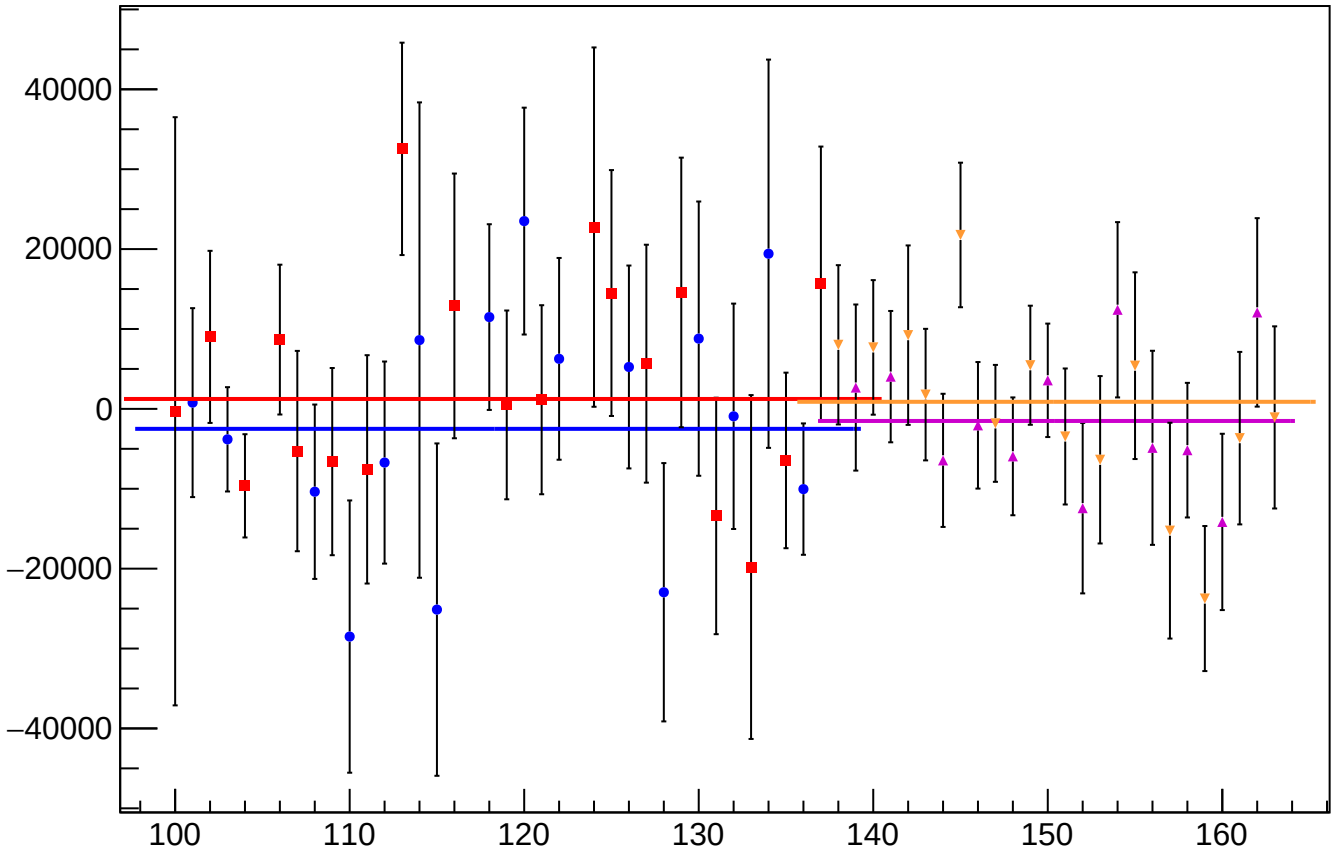
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

+ sign 2489.729+/-0.414 χ^2/NDF: 692565.5/29

All: 2472.462+/-0.293 χ^2/NDF: 1187506.1/60

- sign 2454.975+/-0.416 χ^2/NDF: 491432.9/30



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

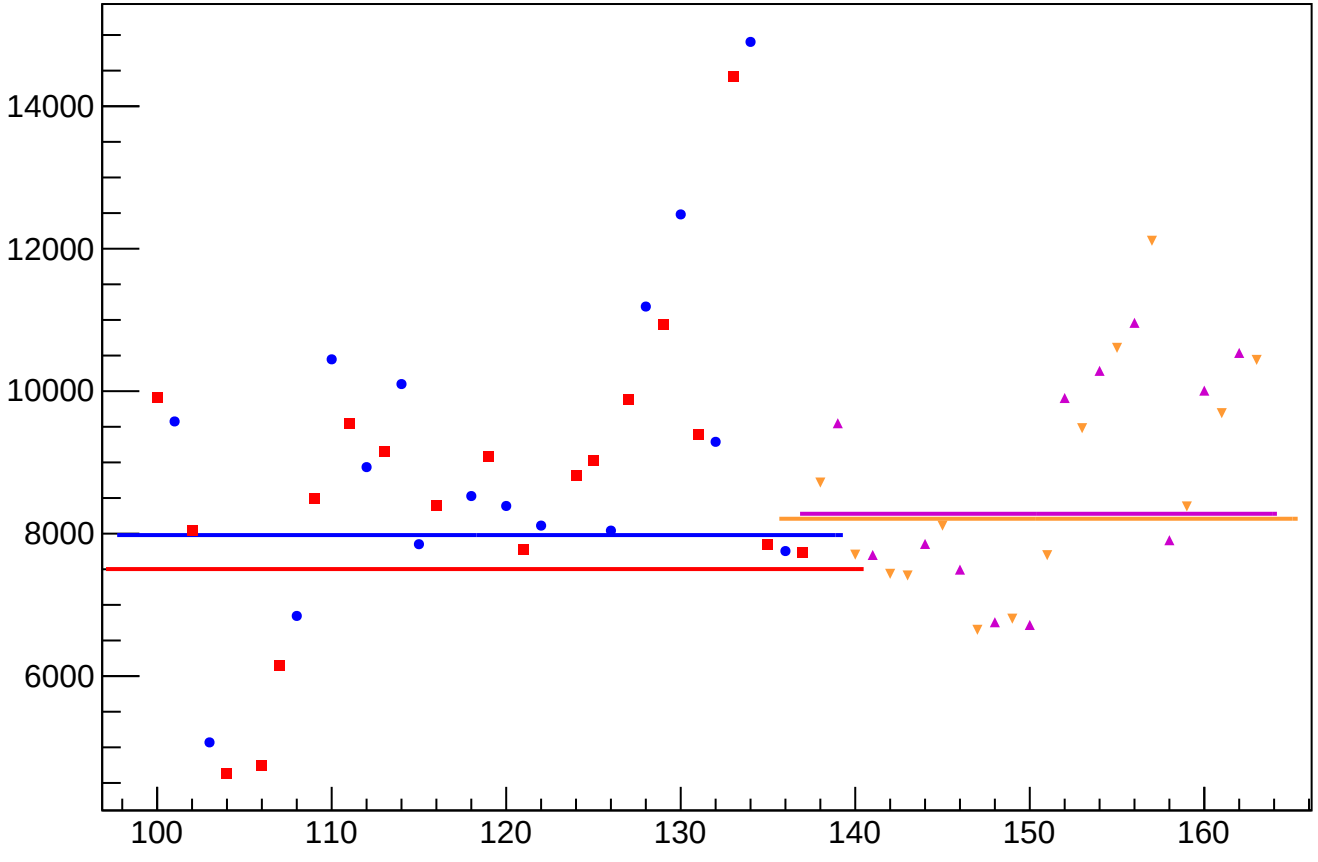
Left In: -1514.050+/-2617.355 χ^2/NDF:7.4/11

+ sign -462.498+/-1940.471 χ^2/NDF: 31.9/29

All: -368.633+/-1372.322 χ^2/NDF: 56.5/60

- sign -274.713+/-1941.043 χ^2/NDF: 24.5/30

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8209.082+/-1.769 χ^2/NDF:605316.4/13

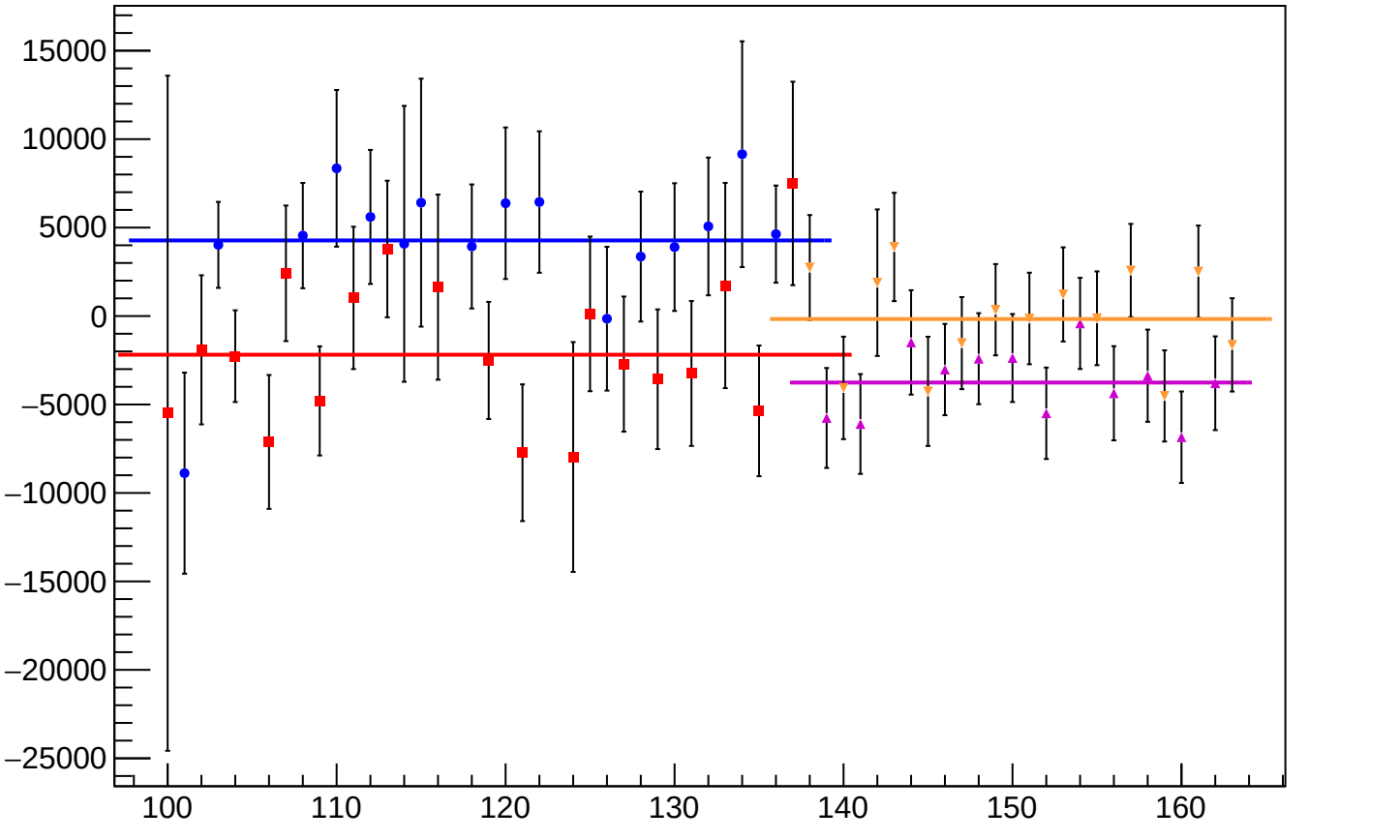
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8278.916+/-1.851 χ^2/NDF:583451.9/11

+ sign 8117.822+/-1.372 χ^2/NDF: 1534791.5/29

All: 8023.736+/-0.970 χ^2/NDF: 3342336.0/60

- sign 7929.595+/-1.373 χ^2/NDF: 1798138.1/30



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

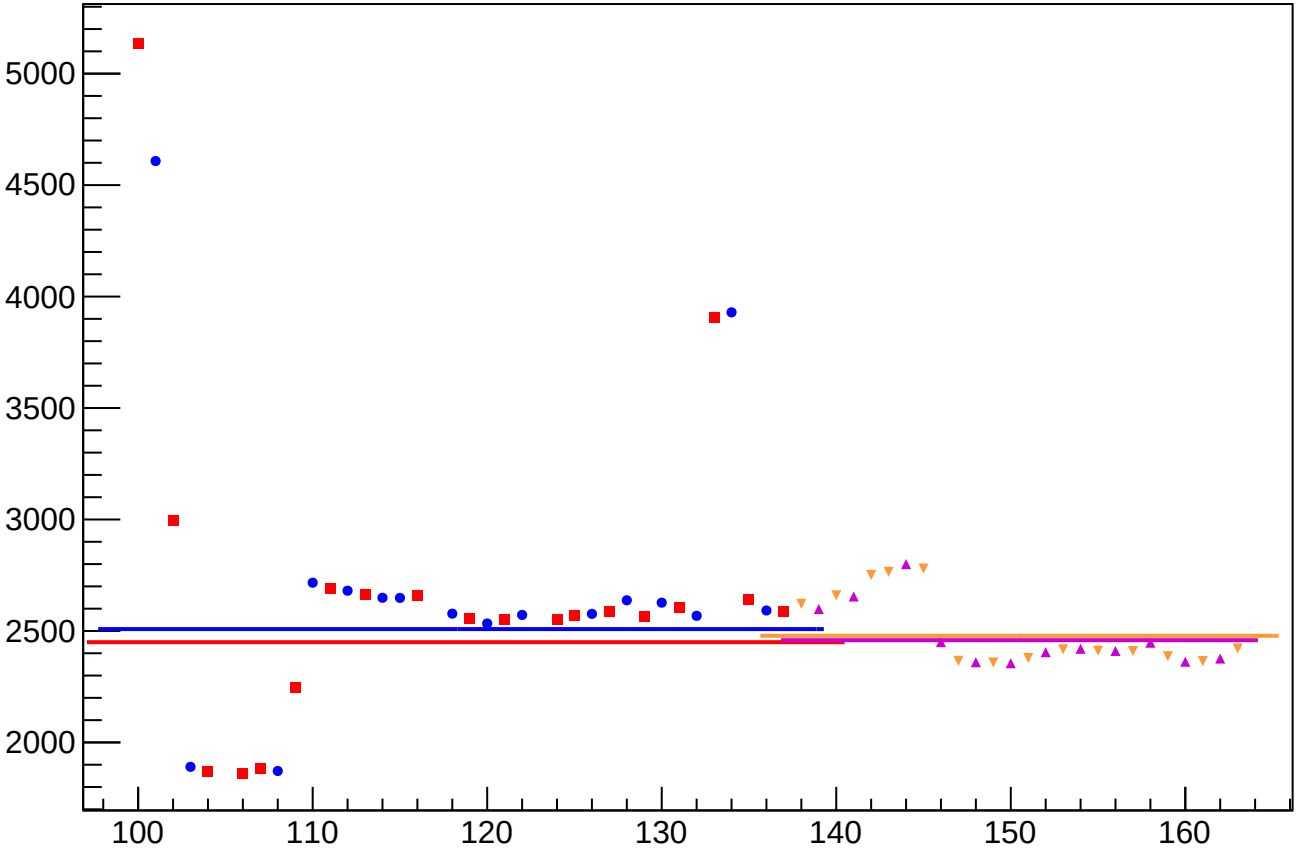
Left In: -3758.883+/-764.760 χ^2/NDF:6.1/11

+ sign 1509.330+/-584.936 χ^2/NDF: 34.9/29

All: -789.803+/-414.921 χ^2/NDF: 88.6/60

- sign -3118.256+/-588.654 χ^2/NDF: 22.6/30

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

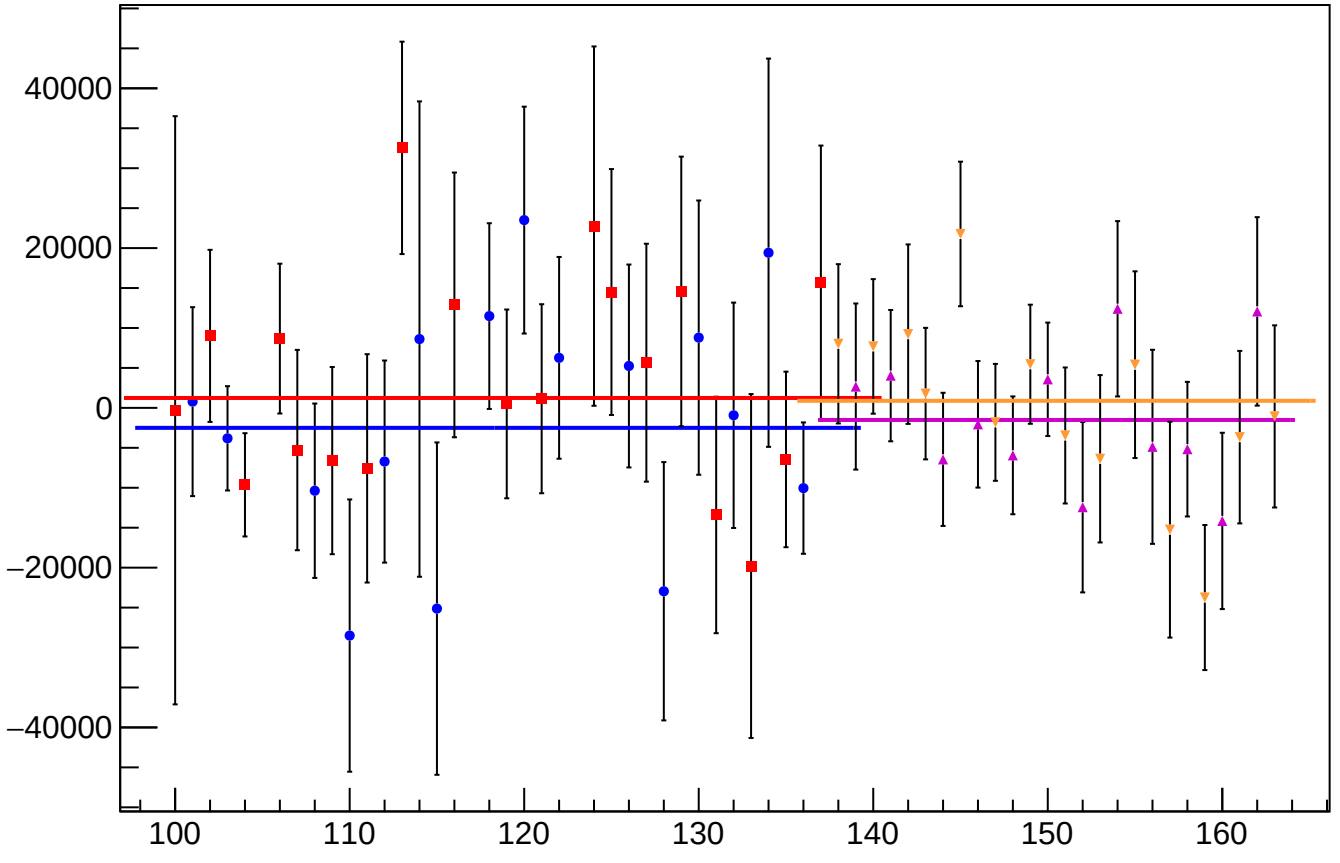
Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

+ sign 2489.729+/-0.414 χ^2/NDF: 692565.5/29

All: 2472.462+/-0.293 χ^2/NDF: 1187506.1/60

- sign 2454.975+/-0.416 χ^2/NDF: 491432.9/30

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

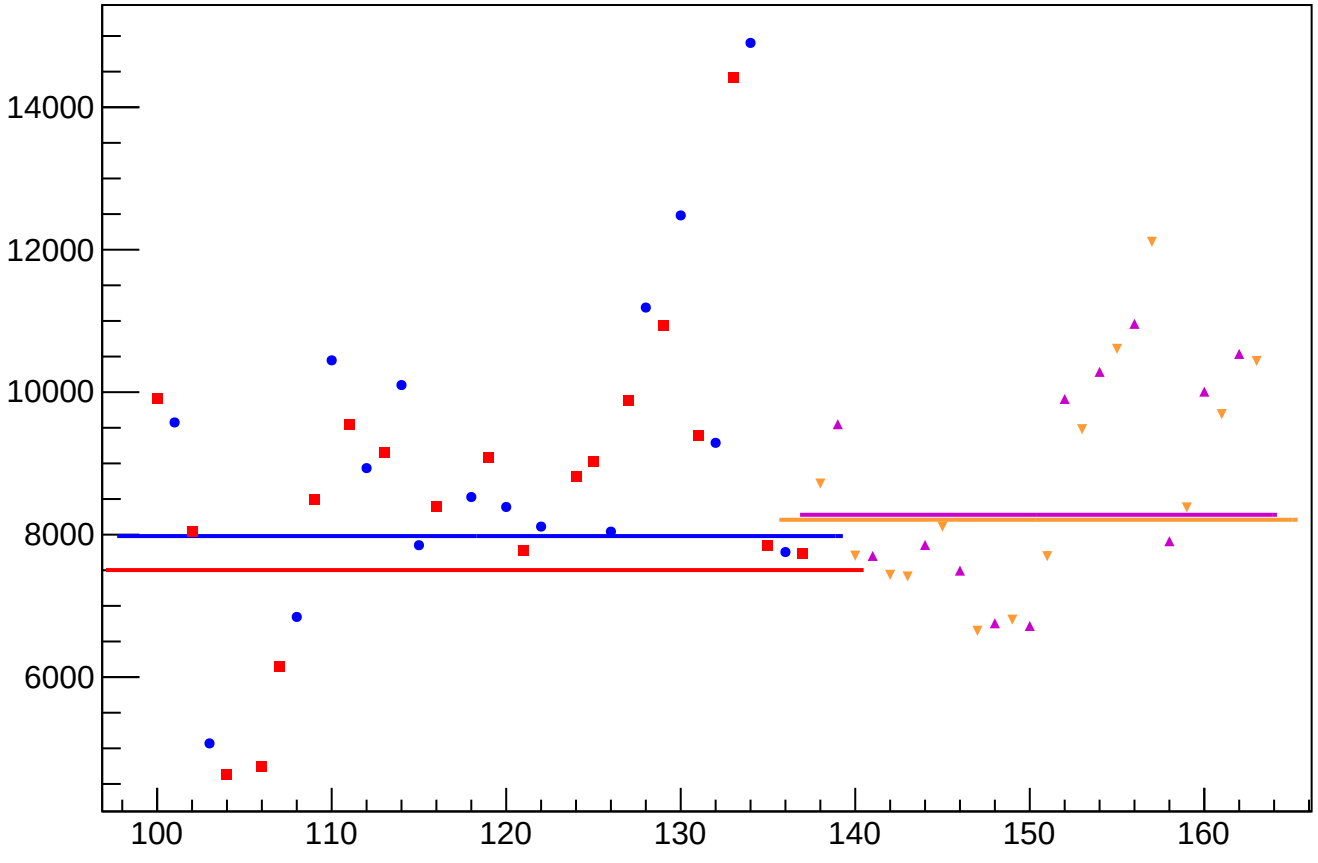
Left In: -1514.050+/-2617.355 χ^2/NDF:7.4/11

+ sign -462.498+/-1940.471 χ^2/NDF: 31.9/29

All: -368.633+/-1372.322 χ^2/NDF: 56.5/60

- sign -274.713+/-1941.043 χ^2/NDF: 24.5/30

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8209.082+/-1.769 χ^2/NDF:605316.4/13

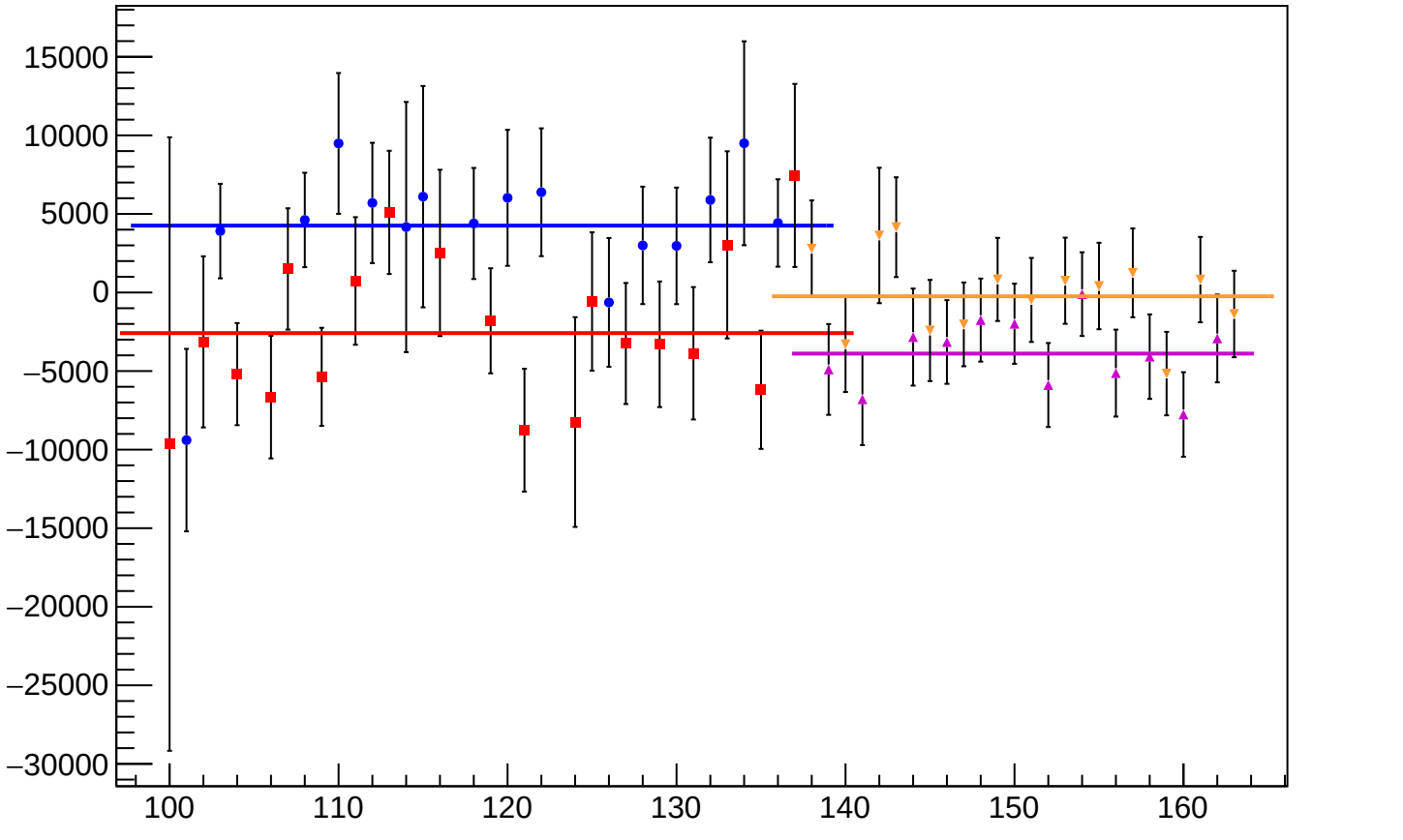
Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8278.916+/-1.851 χ^2/NDF:583451.9/11

+ sign 8117.822+/-1.372 χ^2/NDF: 1534791.5/29

All: 8023.736+/-0.970 χ^2/NDF: 3342336.0/60

- sign 7929.595+/-1.373 χ^2/NDF: 1798138.1/30



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -241.874+/-770.064 χ^2/NDF:10.0/13

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

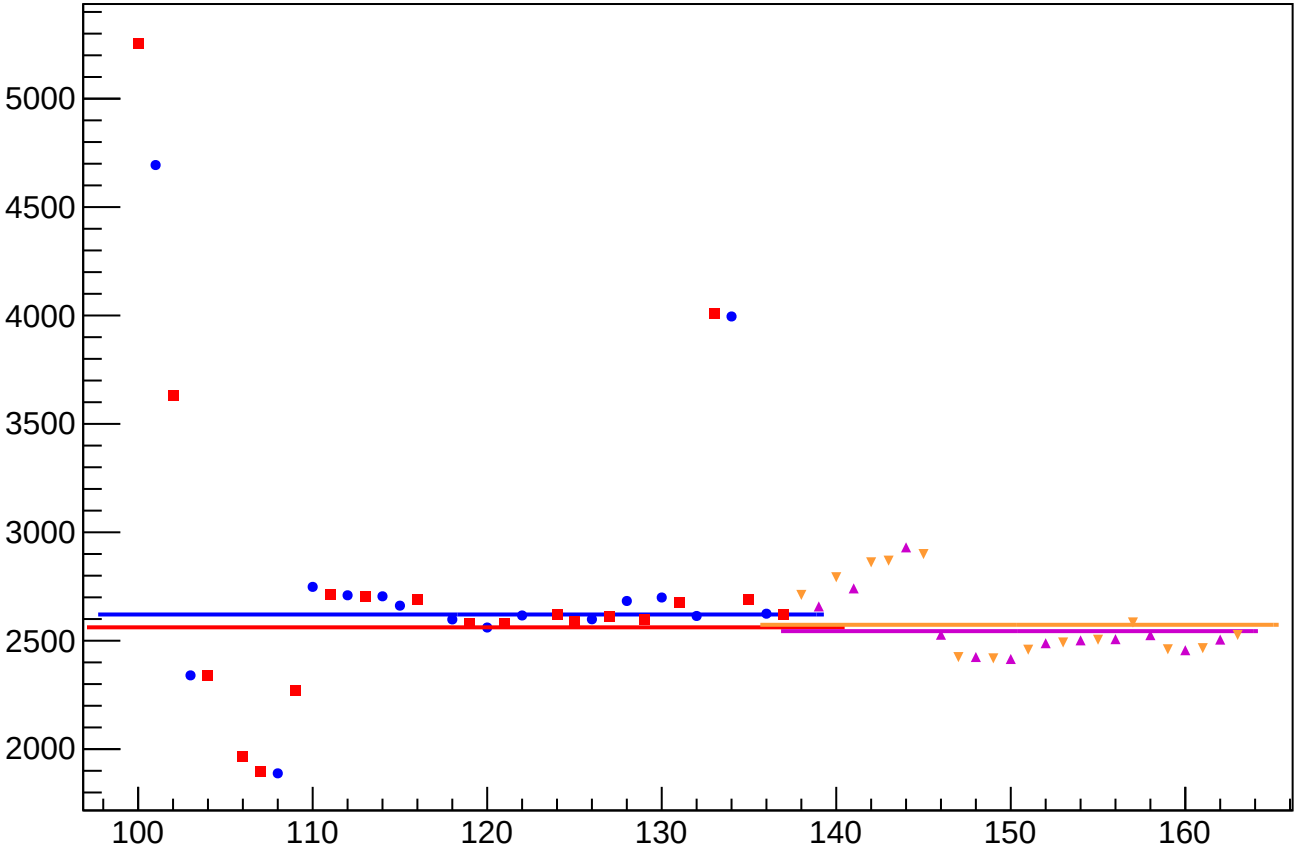
Left In: -3887.861+/-791.465 χ^2/NDF:7.5/11

+ sign 1452.868+/-607.958 χ^2/NDF: 32.9/29

All: -938.930+/-431.394 χ^2/NDF: 90.3/60

- sign -3364.461+/-612.230 χ^2/NDF: 26.2/30

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2573.440+/-0.545 χ^2/NDF:88423.8/13

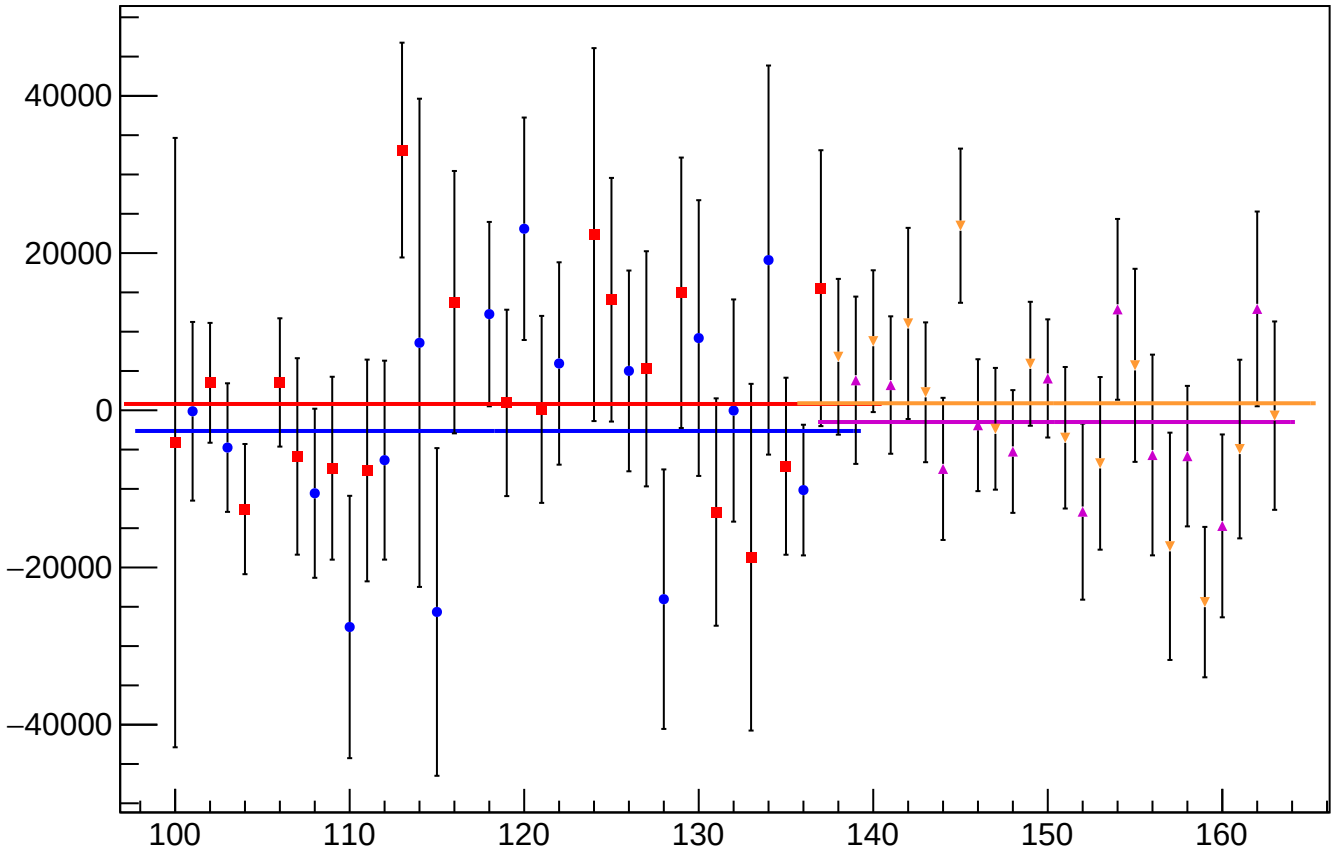
Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2544.168+/-0.560 χ^2/NDF:57153.6/11

+ sign 2591.342+/-0.430 χ^2/NDF: 577207.4/29

All: 2571.418+/-0.305 χ^2/NDF: 1017341.3/60

- sign 2551.222+/-0.433 χ^2/NDF: 435808.4/30



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 894.478+/-2647.271 χ^2/NDF:17.5/13

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

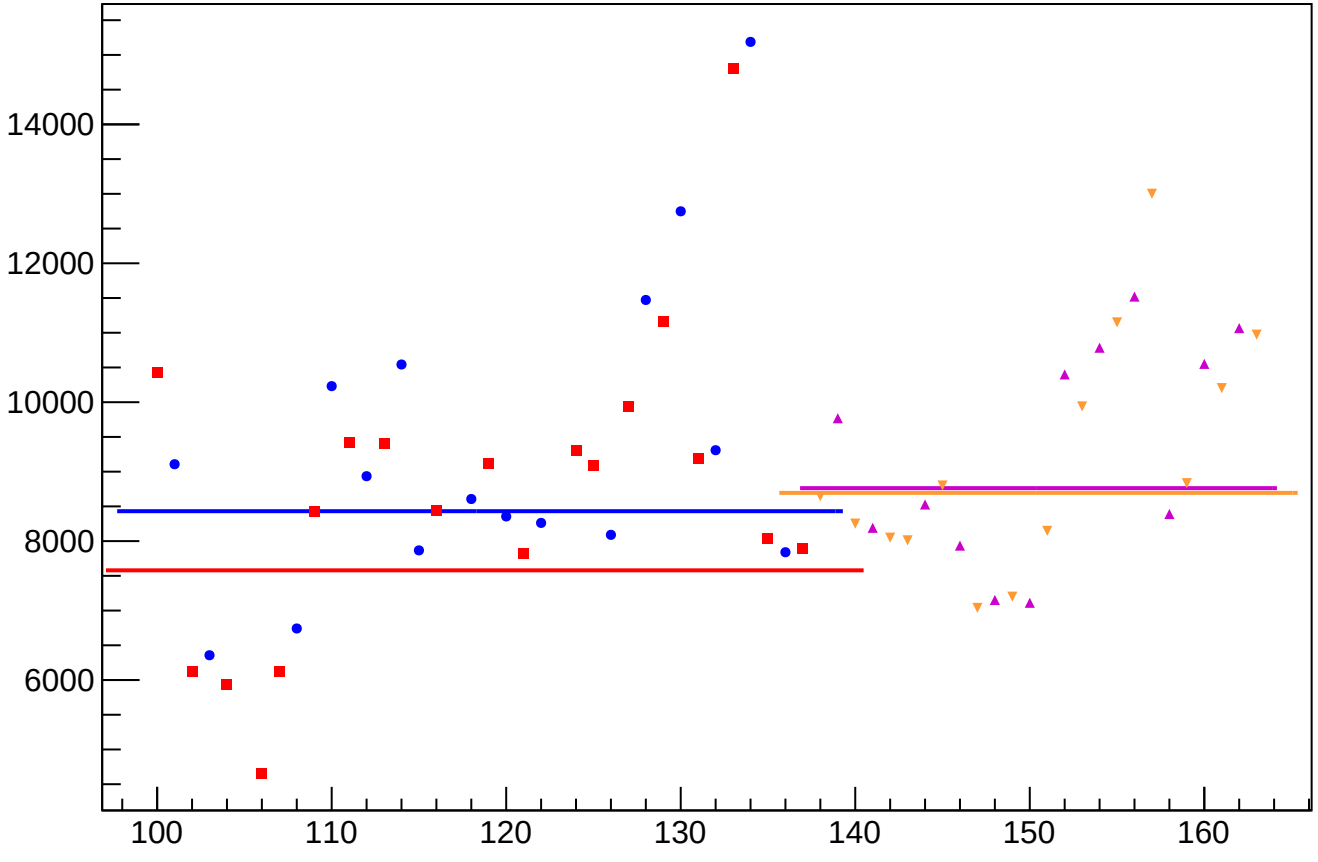
Left In: -1492.439+/-2767.886 χ^2/NDF:7.3/11

+ sign -532.229+/-2042.728 χ^2/NDF: 32.0/29

All: -458.097+/-1426.628 χ^2/NDF: 55.0/60

- sign -387.510+/-1993.294 χ^2/NDF: 23.1/30

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8694.801+/-1.872 χ^2/NDF:584149.2/13

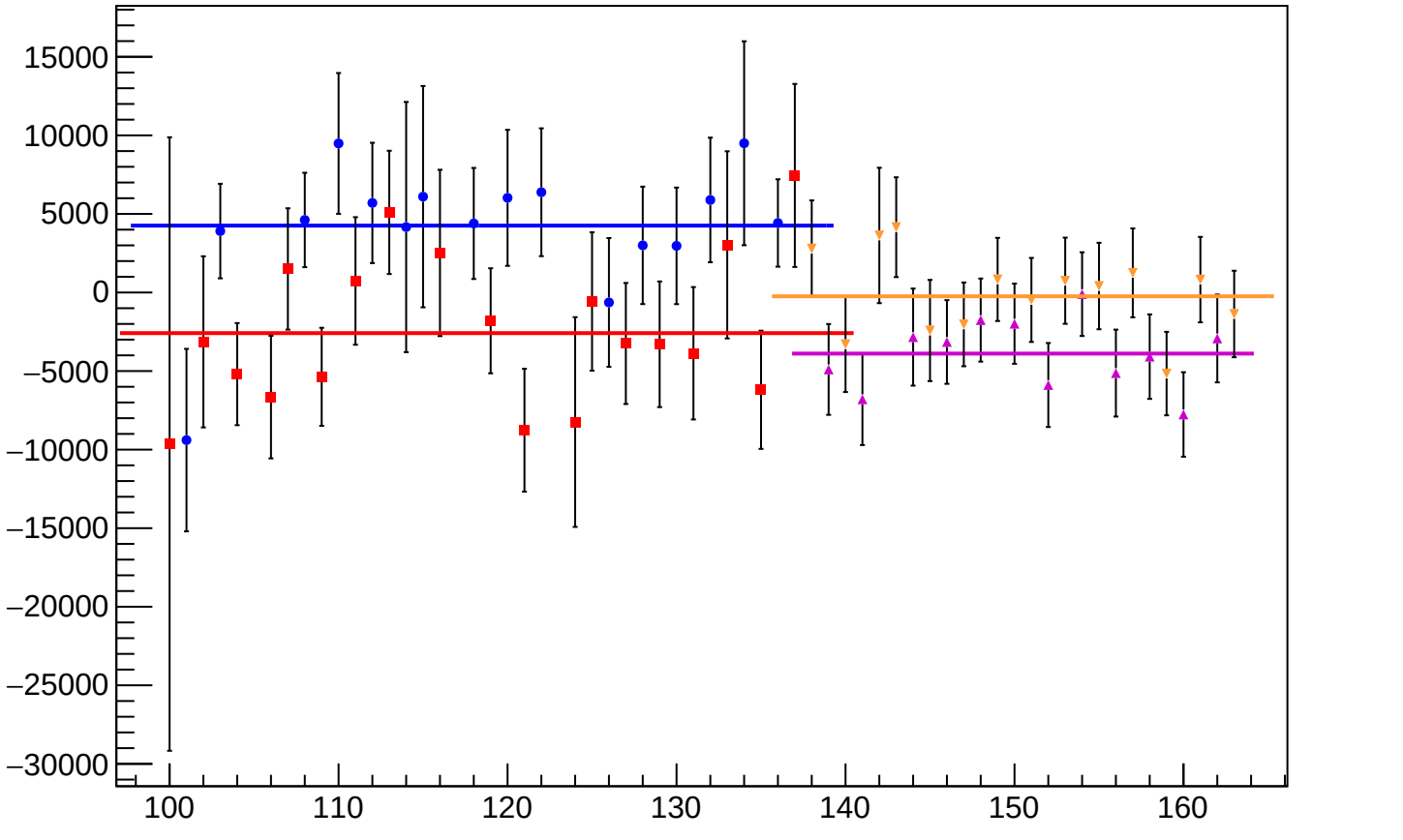
Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8762.620+/-1.957 χ^2/NDF:546392.0/11

+ sign 8587.979+/-1.444 χ^2/NDF: 1172493.5/29

All: 8385.601+/-1.009 χ^2/NDF: 2907357.4/60

- sign 8192.899+/-1.409 χ^2/NDF: 1696541.1/30



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -241.896+/-770.065 χ^2/NDF:10.0/13

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

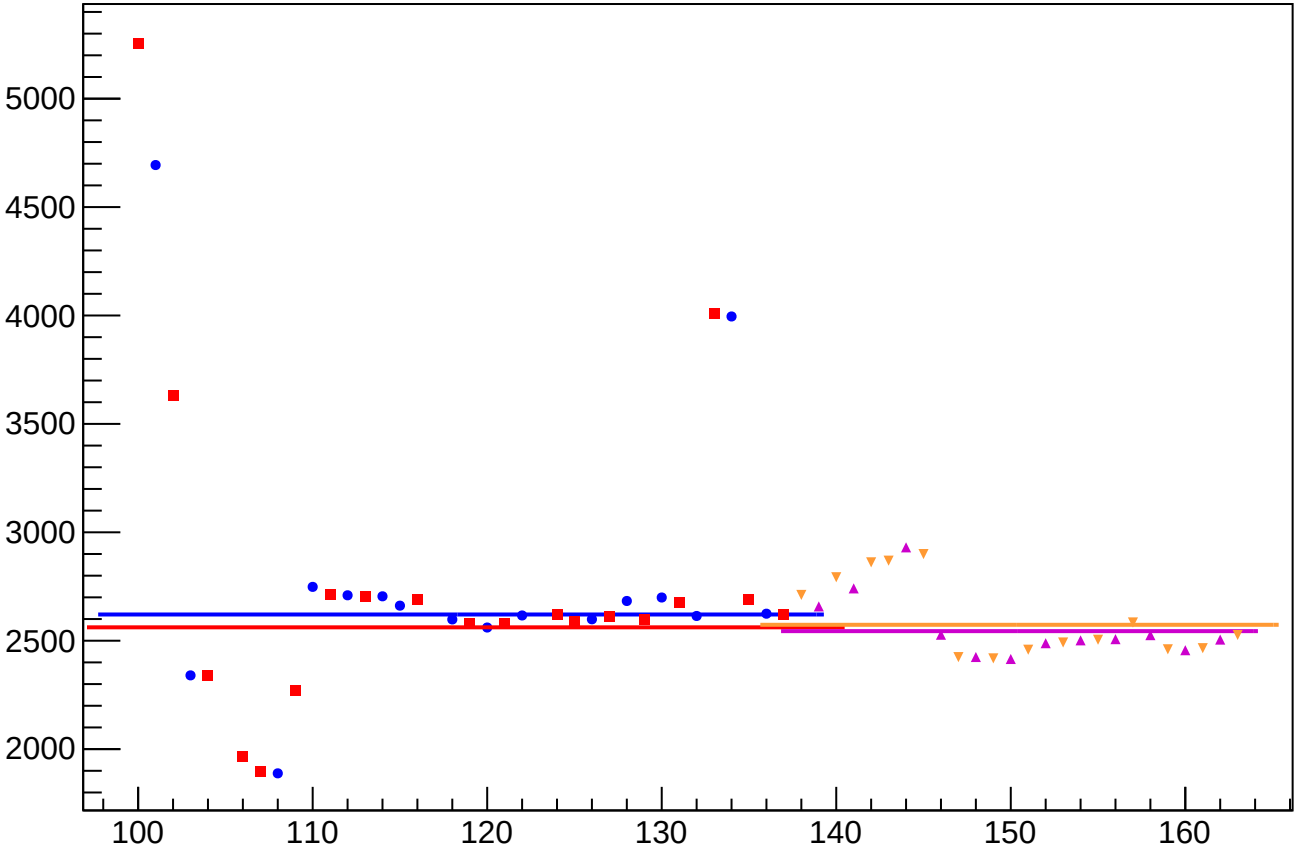
Left In: -3887.860+/-791.466 χ^2/NDF:7.5/11

+ sign 1452.859+/-607.959 χ^2/NDF: 32.9/29

All: -938.936+/-431.394 χ^2/NDF: 90.3/60

- sign -3364.464+/-612.231 χ^2/NDF: 26.2/30

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2573.443+/-0.545 χ^2/NDF:88423.6/13

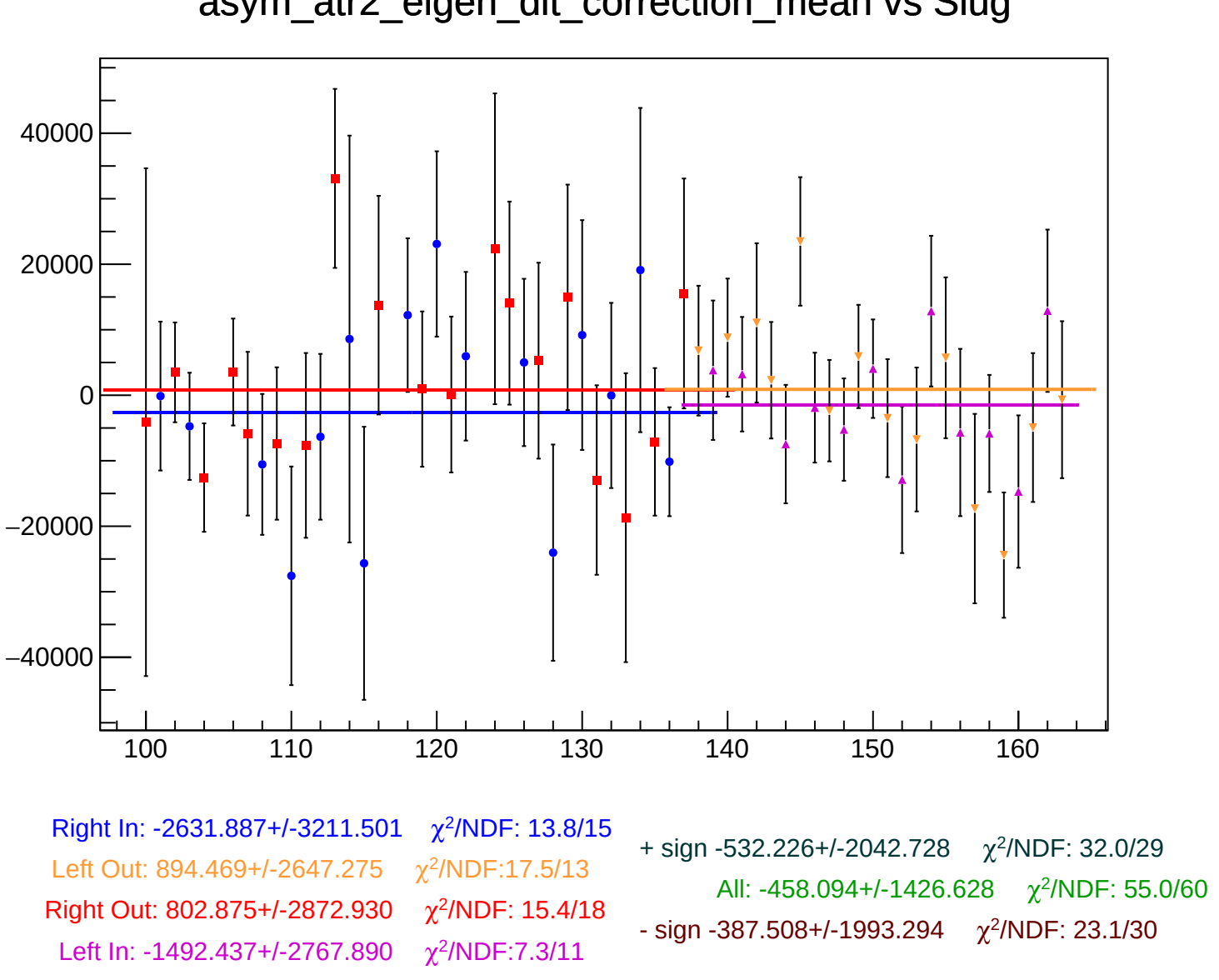
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2544.170+/-0.560 χ^2/NDF:57153.2/11

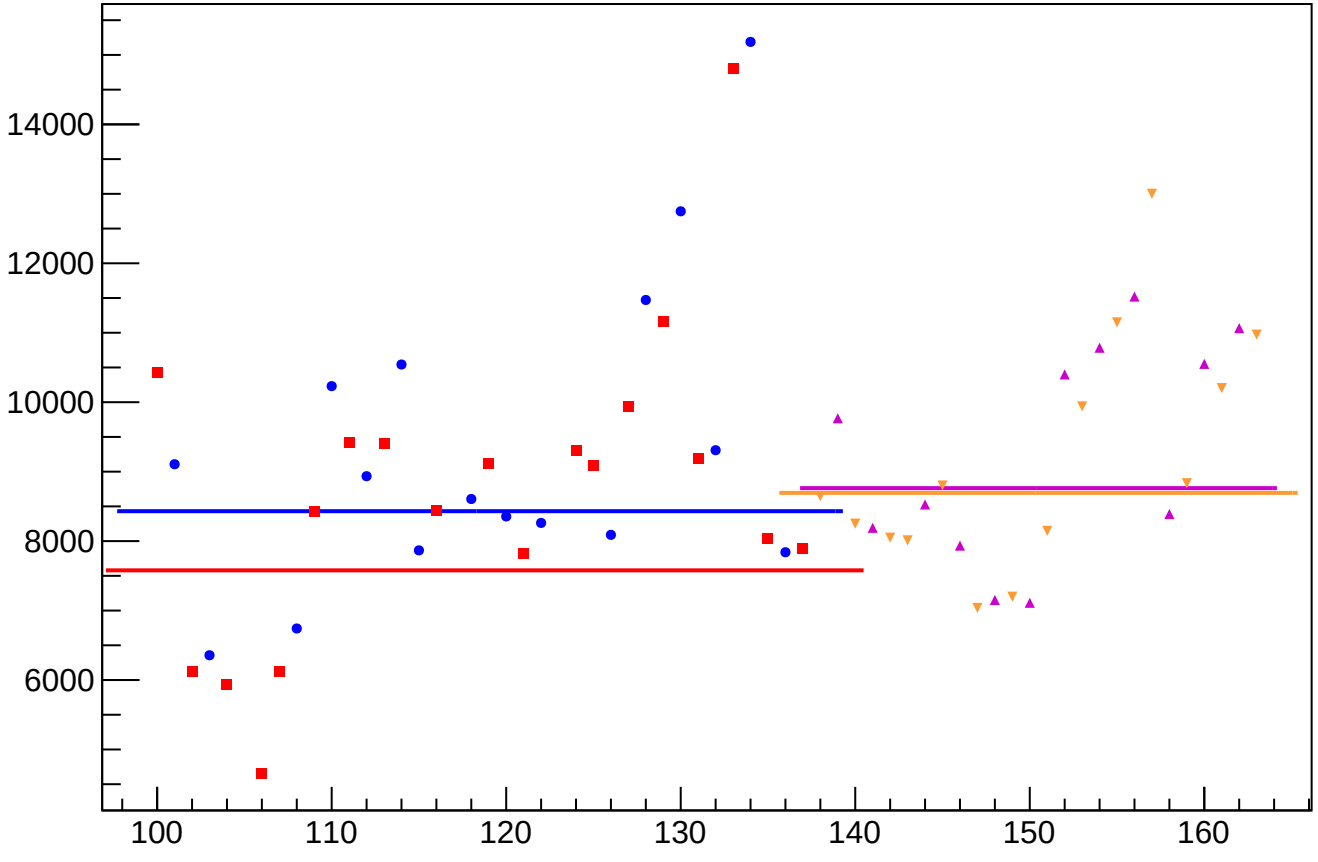
+ sign 2591.344+/-0.430 χ^2/NDF: 577207.0/29

All: 2571.419+/-0.305 χ^2/NDF: 1017339.8/60

- sign 2551.223+/-0.433 χ^2/NDF: 435807.3/30


asym_atr2_eigen_dit_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2631.887+/-3211.501 χ²/NDF: 13.8/15
Left Out: 894.469+/-2647.275 χ²/NDF:17.5/13
Right Out: 802.875+/-2872.930 χ²/NDF: 15.4/18
Left In: -1492.437+/-2767.890 χ²/NDF:7.3/11
+ sign -532.226+/-2042.728 χ²/NDF: 32.0/29
All: -458.094+/-1426.628 χ²/NDF: 55.0/60
- sign -387.508+/-1993.294 χ²/NDF: 23.1/30

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8694.814+/-1.872 χ^2/NDF:584149.4/13

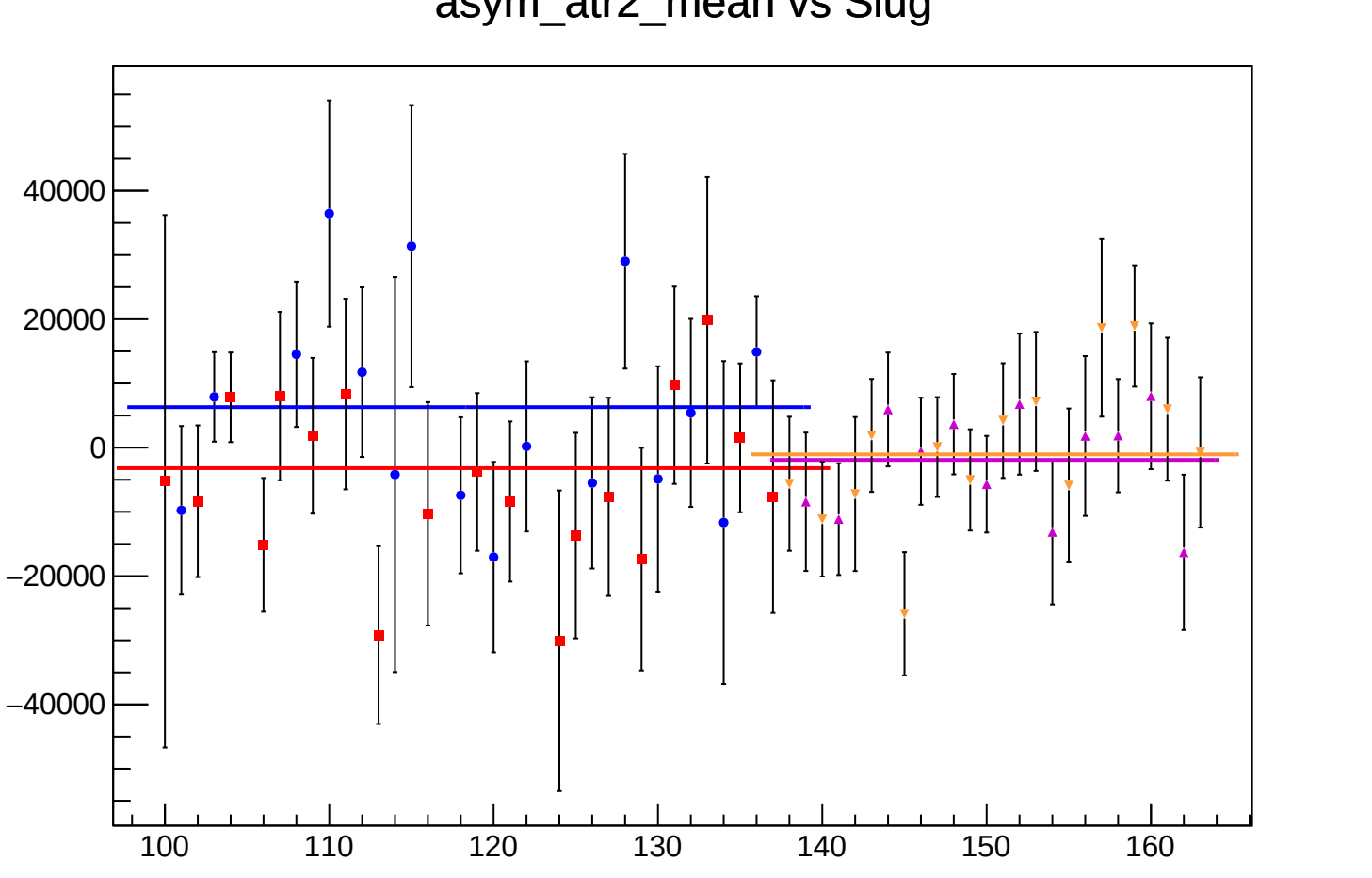
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8762.633+/-1.957 χ^2/NDF:546390.7/11

+ sign 8587.982+/-1.444 χ^2/NDF: 1172489.4/29

All: 8385.602+/-1.009 χ^2/NDF: 2907356.4/60

- sign 8192.898+/-1.409 χ^2/NDF: 1696543.4/30



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1045.318+/-2626.525 χ^2/NDF:16.8/13

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

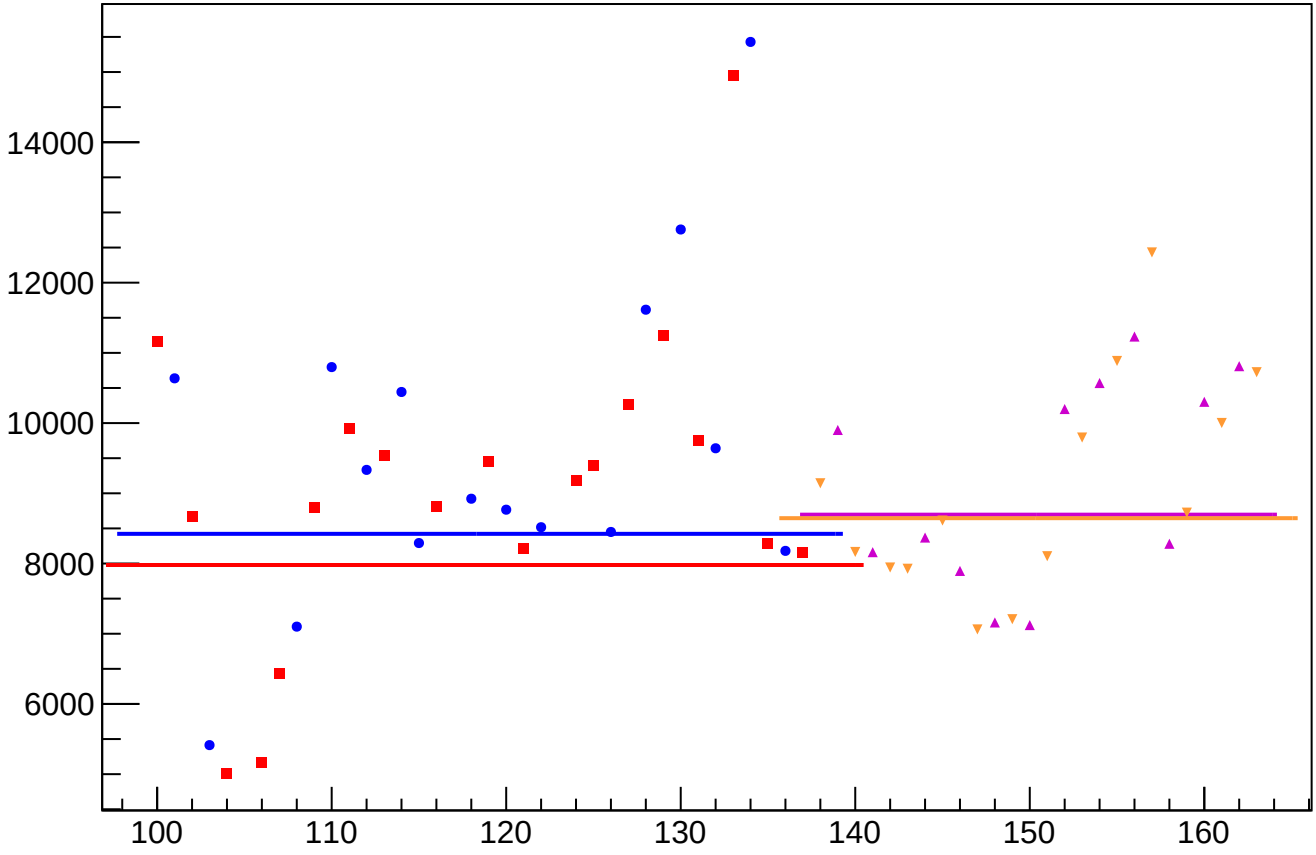
Left In: -1906.196+/-2742.040 χ^2/NDF:7.1/11

+ sign 1870.646+/-2040.249 χ^2/NDF: 35.0/29

All: -297.913+/-1444.234 χ^2/NDF: 58.4/60

- sign -2475.879+/-2044.670 χ^2/NDF: 21.1/30

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8645.777+/-1.857 χ^2/NDF:522780.0/13

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

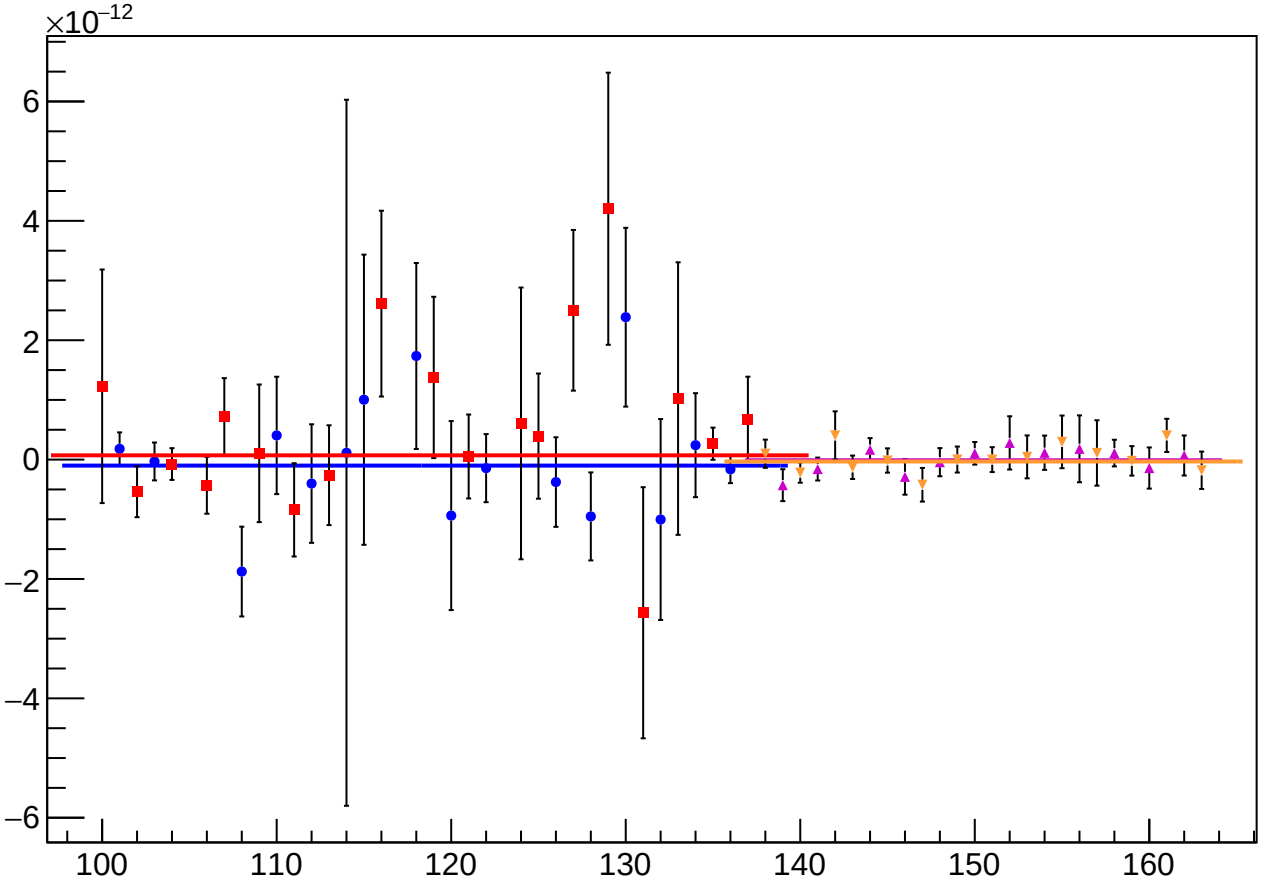
Left In: 8695.731+/-1.939 χ^2/NDF:499814.2/11

+ sign 8557.311+/-1.443 χ^2/NDF: 1410334.7/29

All: 8467.607+/-1.021 χ^2/NDF: 2994585.0/60

- sign 8377.516+/-1.446 χ^2/NDF: 1576501.2/30

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:8.2/13

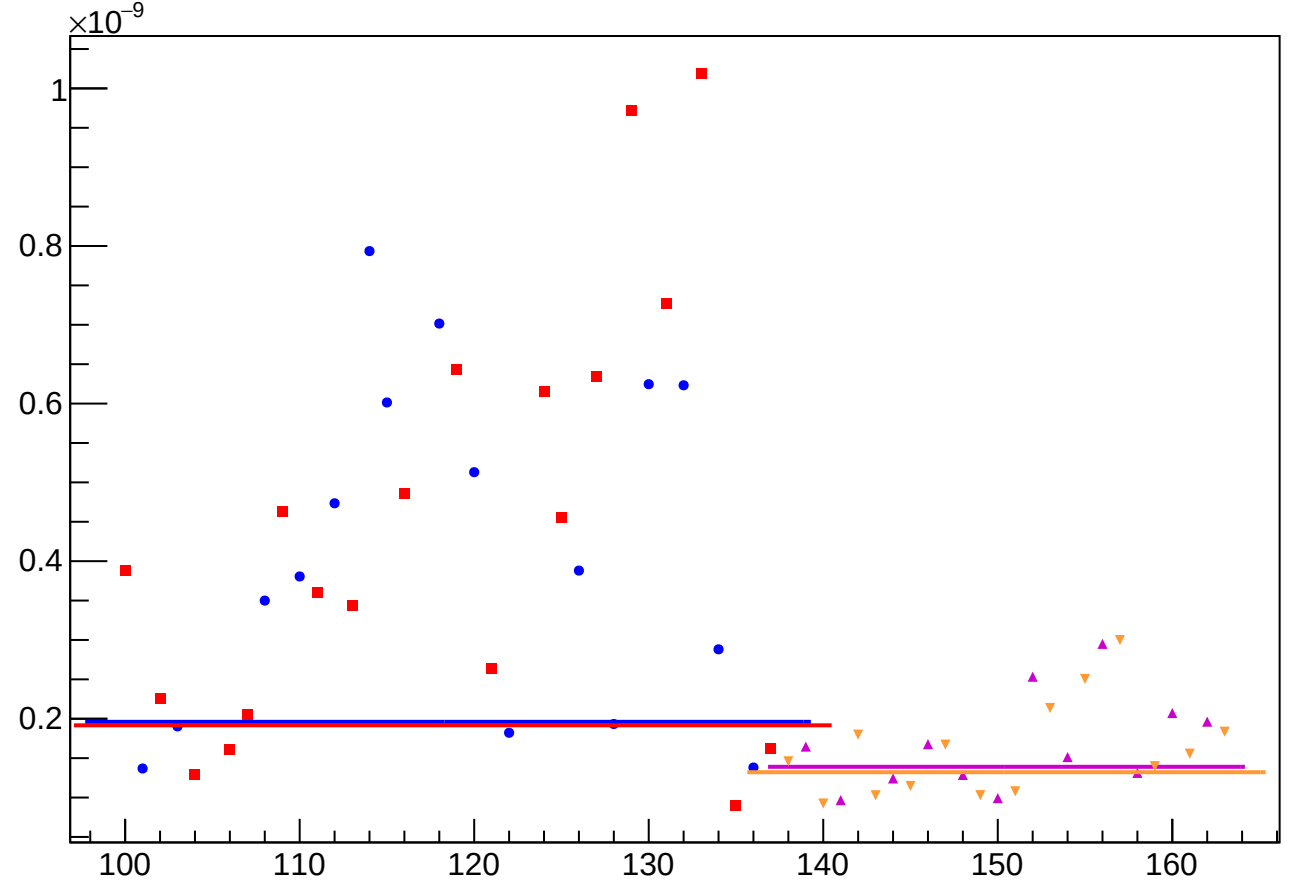
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/29

All: -0.000+/-0.000 χ^2/NDF: 48.7/60

- sign 0.000+/-0.000 χ^2/NDF: 26.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:800924.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

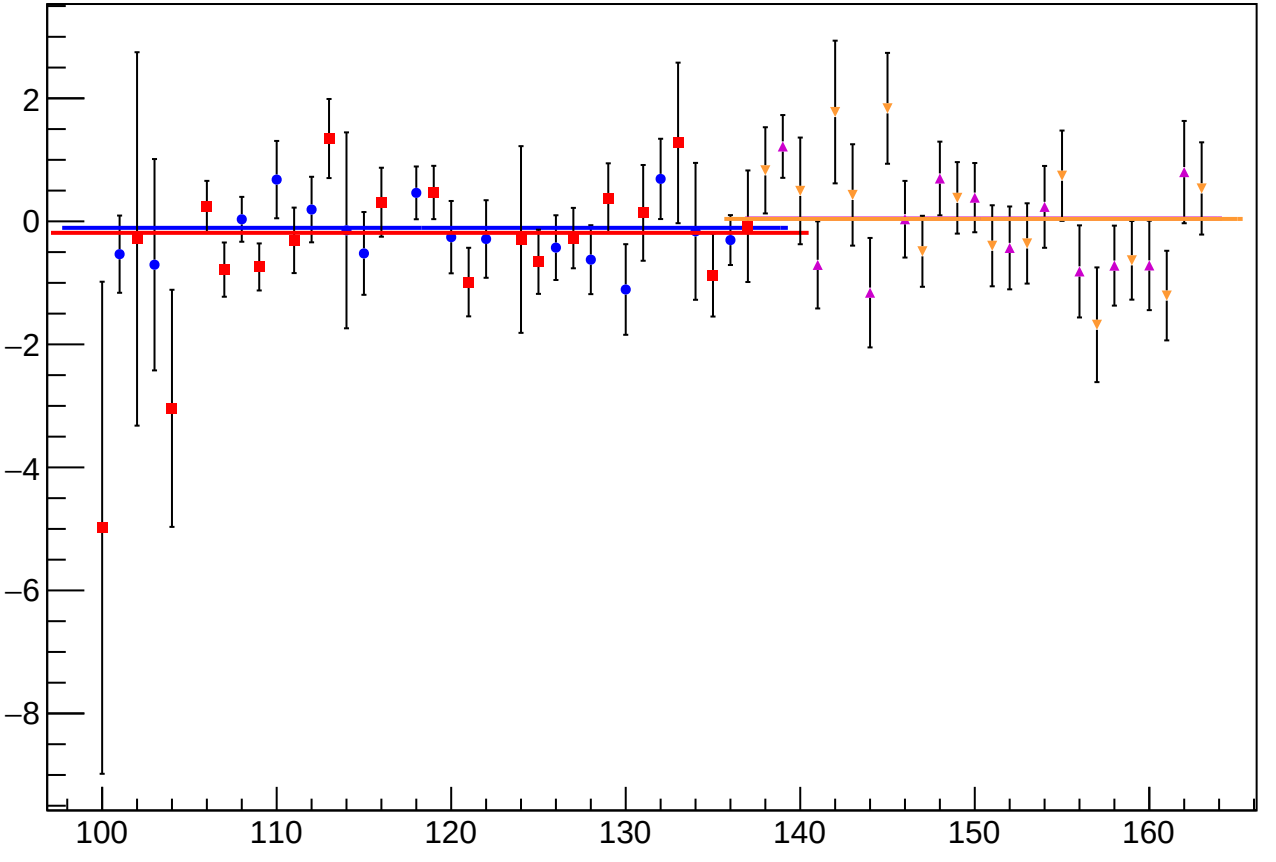
Left In: 0.000+/-0.000 χ^2/NDF:667024.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 2505483.1/29

All: 0.000+/-0.000 χ^2/NDF: 5469954.7/60

- sign 0.000+/-0.000 χ^2/NDF: 2956393.3/30

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

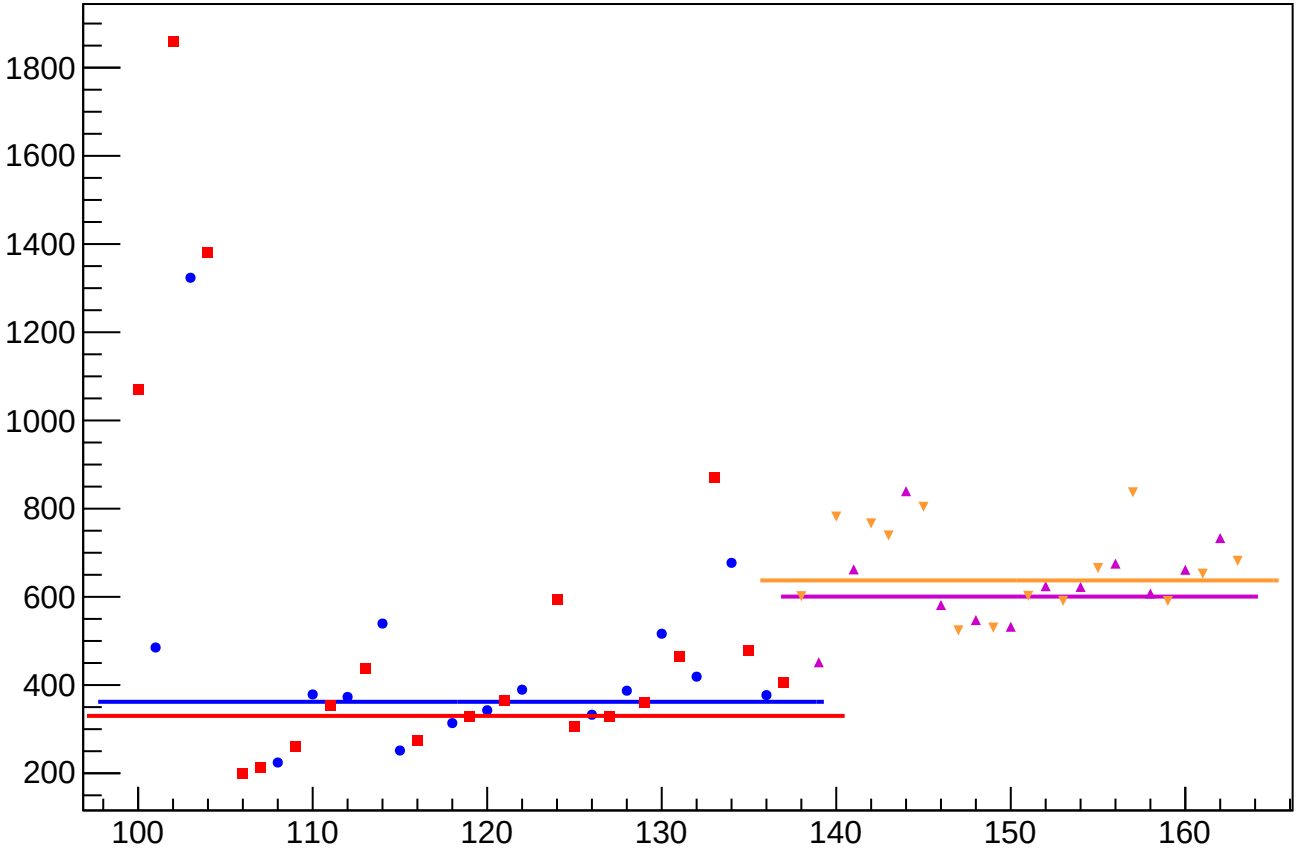
Left In: 0.046+/-0.190 χ^2/NDF:15.0/11

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.081+/-0.080 χ^2/NDF: 68.8/60

- sign -0.107+/-0.111 χ^2/NDF: 39.8/30

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

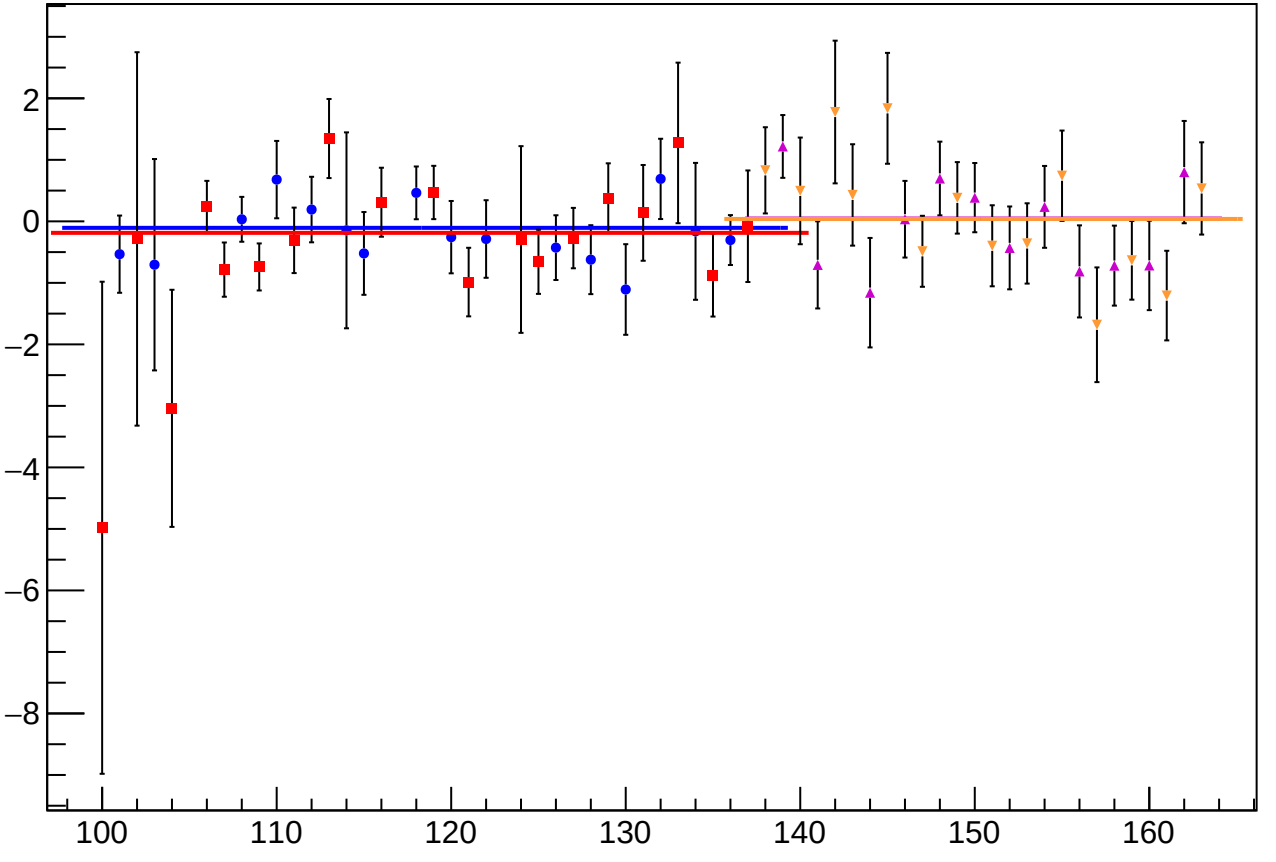
Left In: 600.604+/-0.135 χ^2/NDF:466519.6/11

+ sign 460.355+/-0.082 χ^2/NDF: 4421535.1/29

All: 440.766+/-0.057 χ^2/NDF: 9897669.9/60

- sign 422.687+/-0.079 χ^2/NDF: 5366462.1/30

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

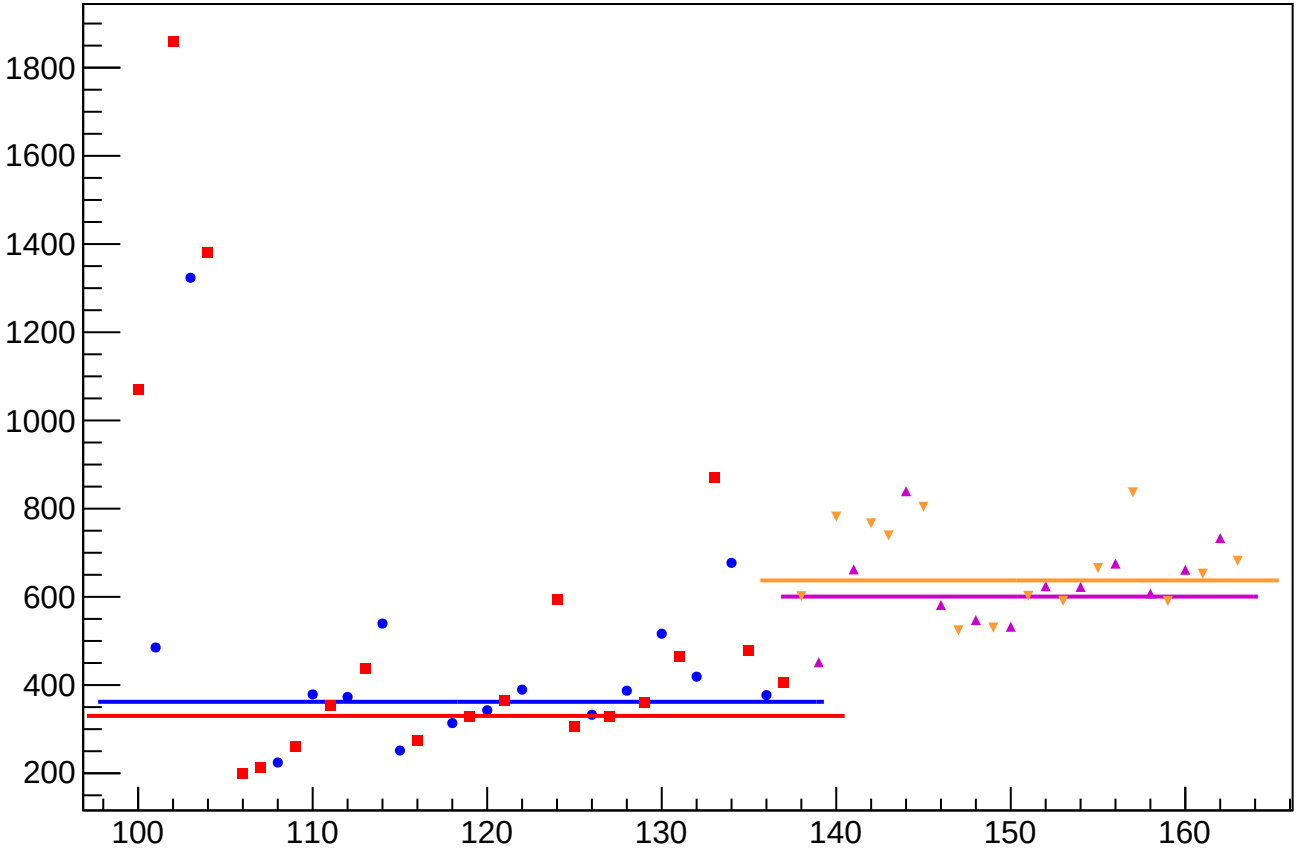
Left In: 0.046+/-0.190 χ^2/NDF:15.0/11

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.081+/-0.080 χ^2/NDF: 68.8/60

- sign -0.107+/-0.111 χ^2/NDF: 39.8/30

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

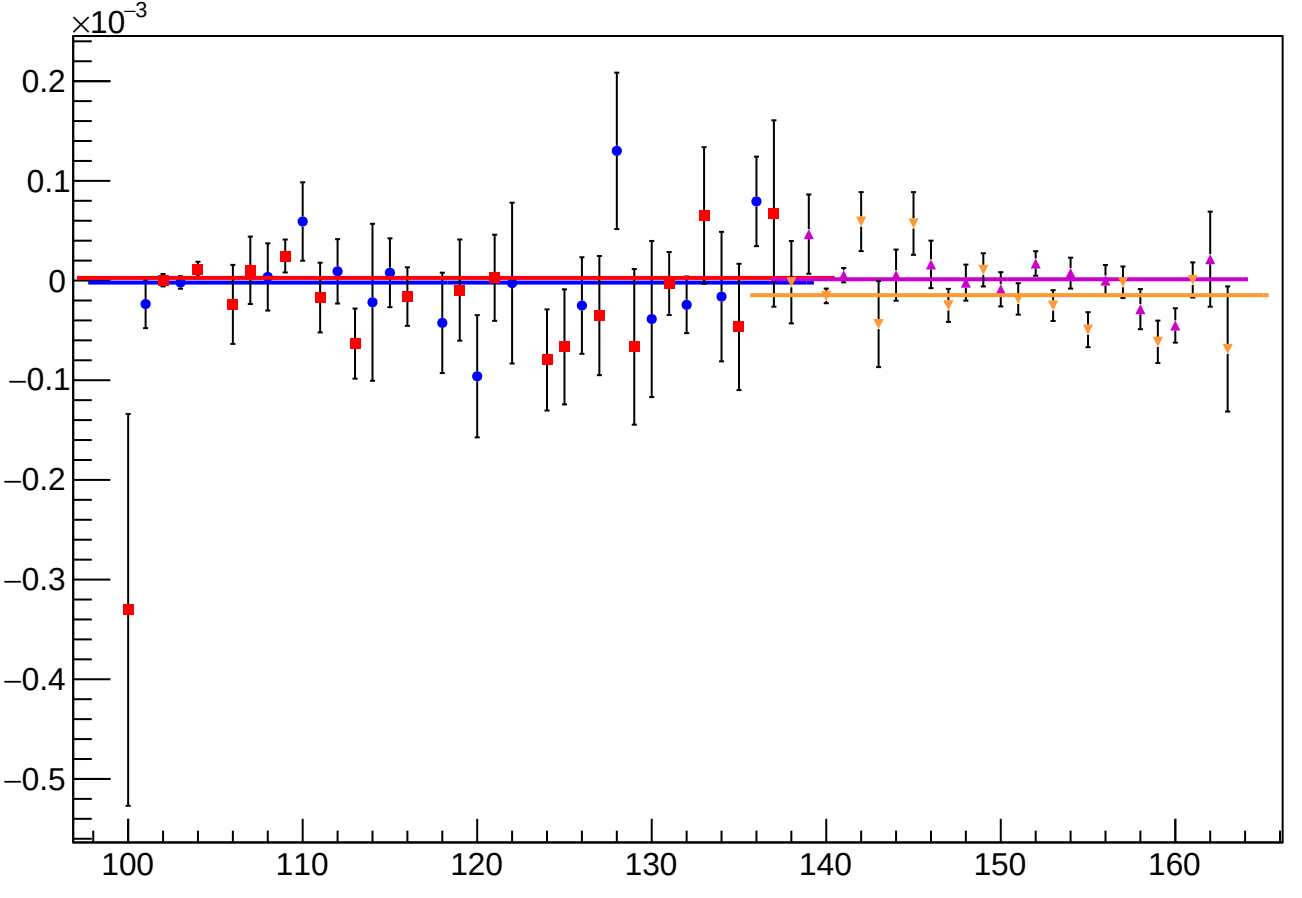
Left In: 600.604+/-0.135 χ^2/NDF:466519.6/11

+ sign 460.355+/-0.082 χ^2/NDF: 4421535.1/29

All: 440.766+/-0.057 χ^2/NDF: 9897669.9/60

- sign 422.687+/-0.079 χ^2/NDF: 5366462.1/30

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:26.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

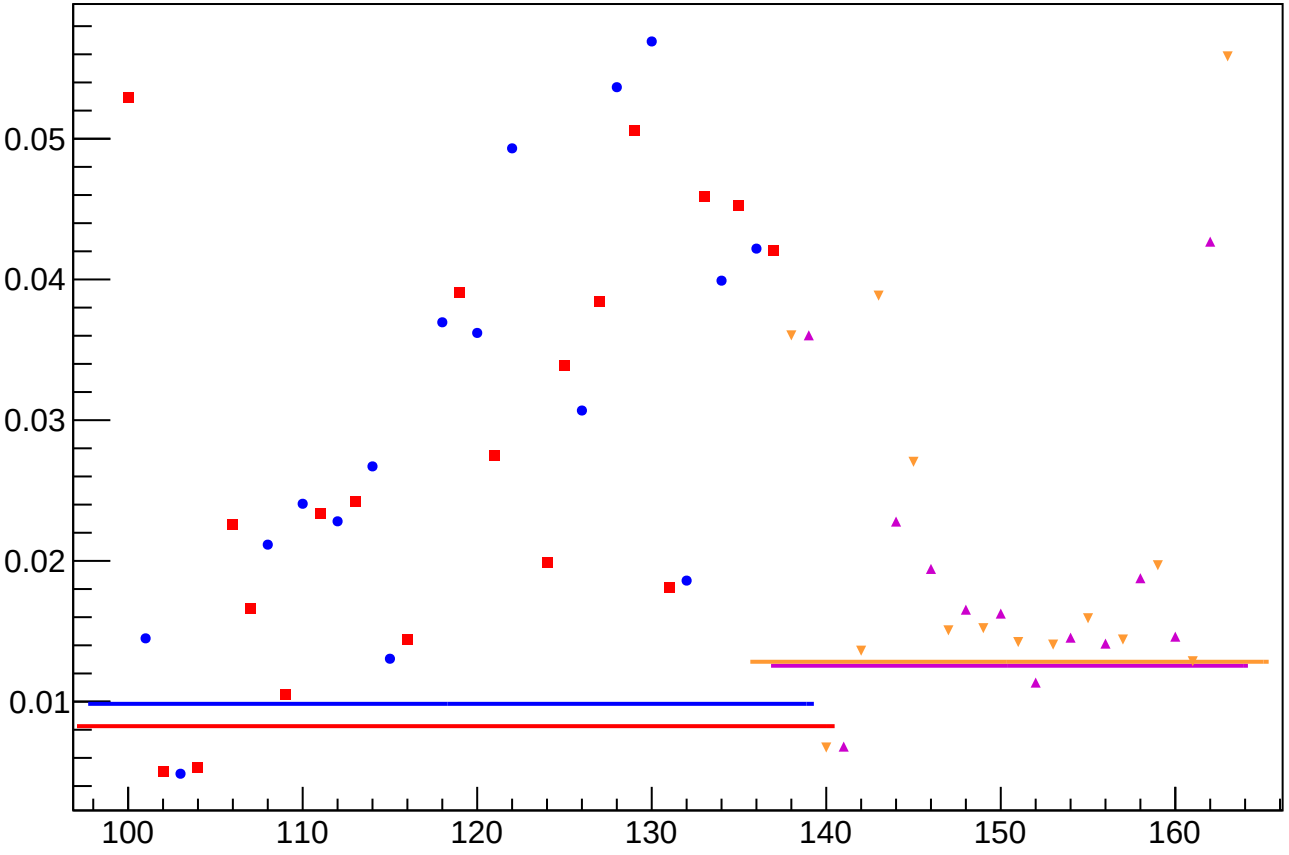
Left In: 0.000+/-0.000 χ^2/NDF:13.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/29

All: -0.000+/-0.000 χ^2/NDF: 81.5/60

- sign 0.000+/-0.000 χ^2/NDF: 32.1/30

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4475601.5/13

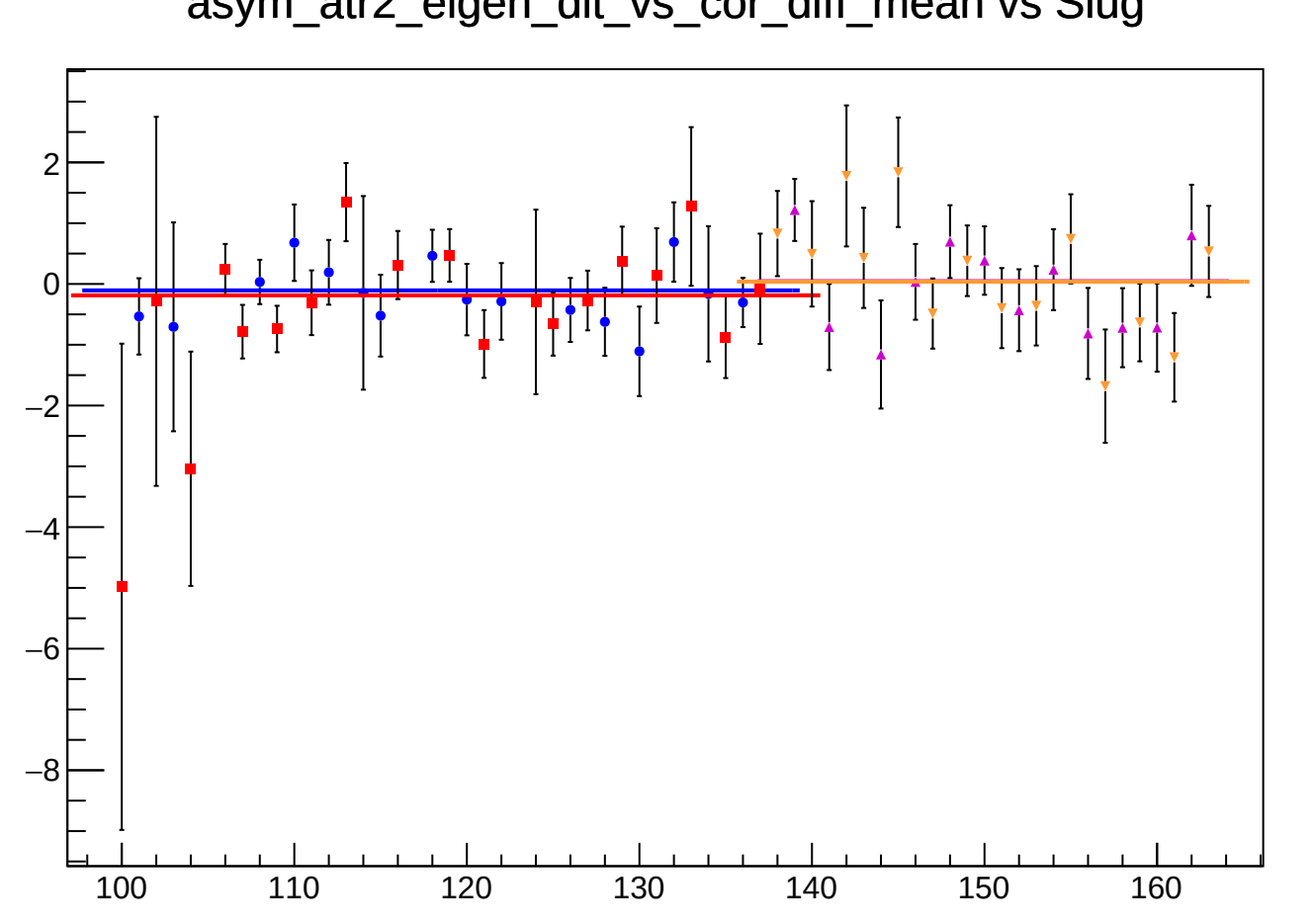
Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:3722782.3/11

+ sign 0.012+/-0.000 χ^2/NDF: 11891598.7/29

All: 0.011+/-0.000 χ^2/NDF: 23501362.2/60

- sign 0.010+/-0.000 χ^2/NDF: 11444035.8/30



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

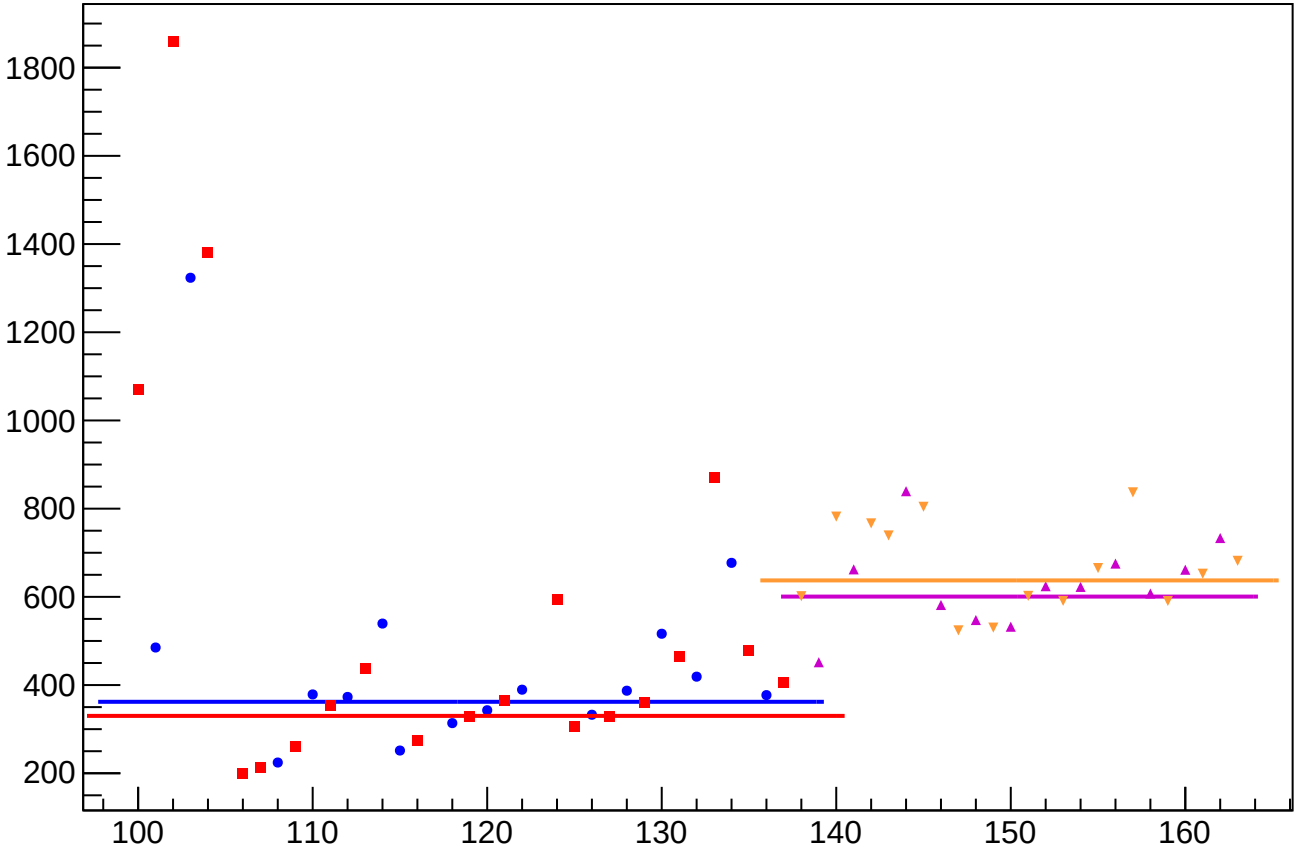
Left In: 0.046+/-0.190 χ^2/NDF:15.0/11

\+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.081+/-0.080 χ^2/NDF: 68.8/60

\- sign -0.107+/-0.111 χ^2/NDF: 39.8/30

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

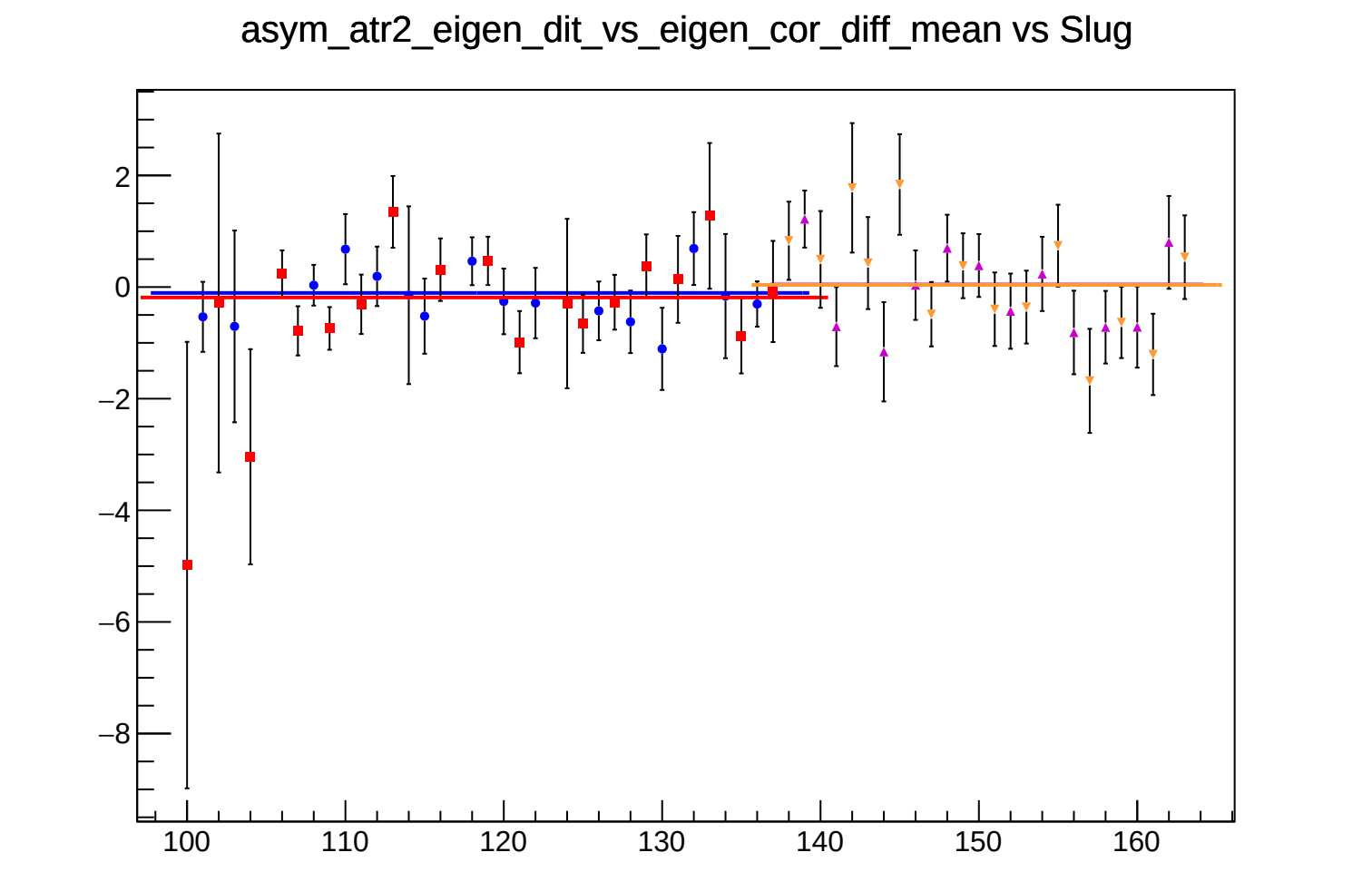
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 600.613+/-0.135 χ^2/NDF:466506.0/11

+ sign 460.354+/-0.082 χ^2/NDF: 4421729.1/29

All: 440.765+/-0.057 χ^2/NDF: 9897990.2/60

- sign 422.687+/-0.079 χ^2/NDF: 5366593.3/30



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

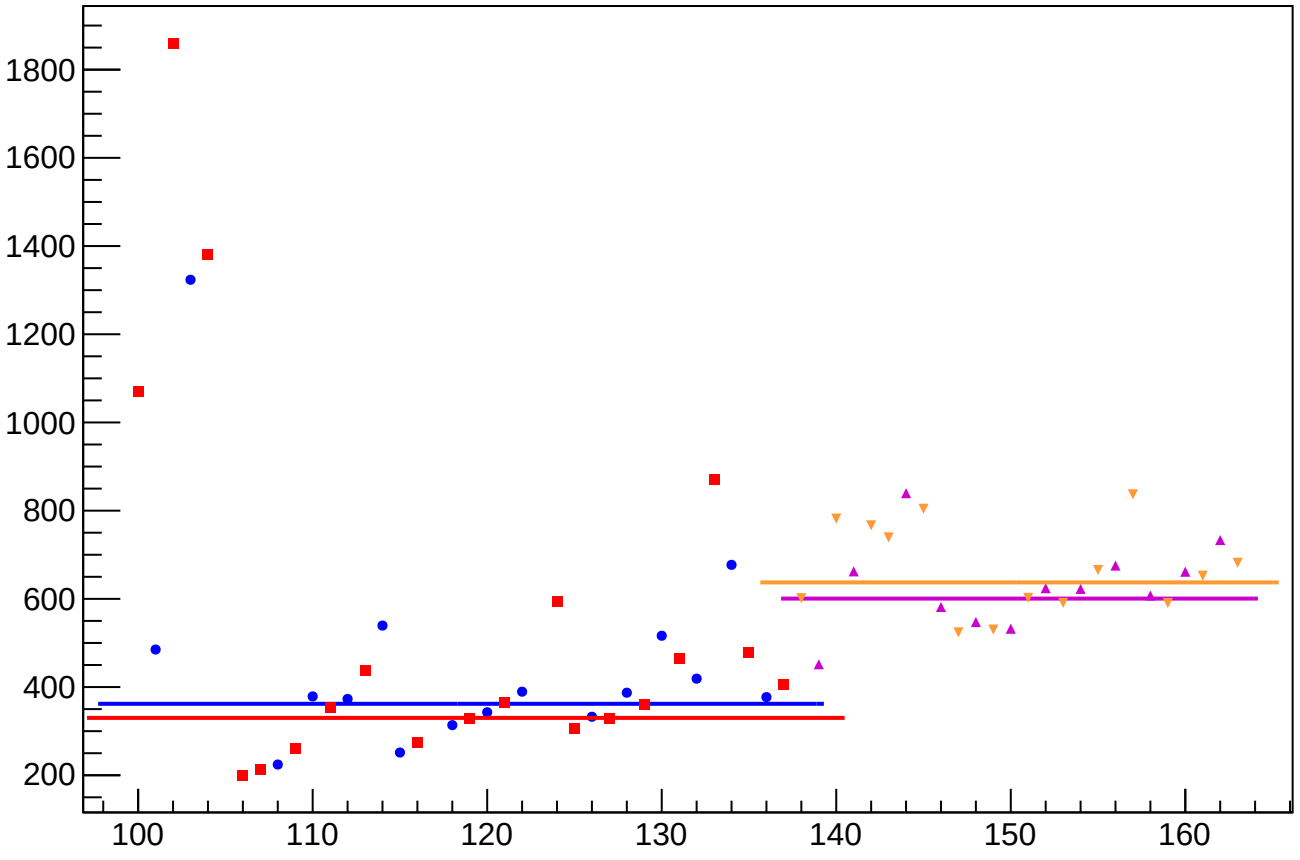
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.046+/-0.190 χ^2/NDF:15.0/11

+ sign -0.054+/-0.116 χ^2/NDF: 28.8/29

All: -0.081+/-0.080 χ^2/NDF: 68.8/60

- sign -0.107+/-0.111 χ^2/NDF: 39.8/30



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

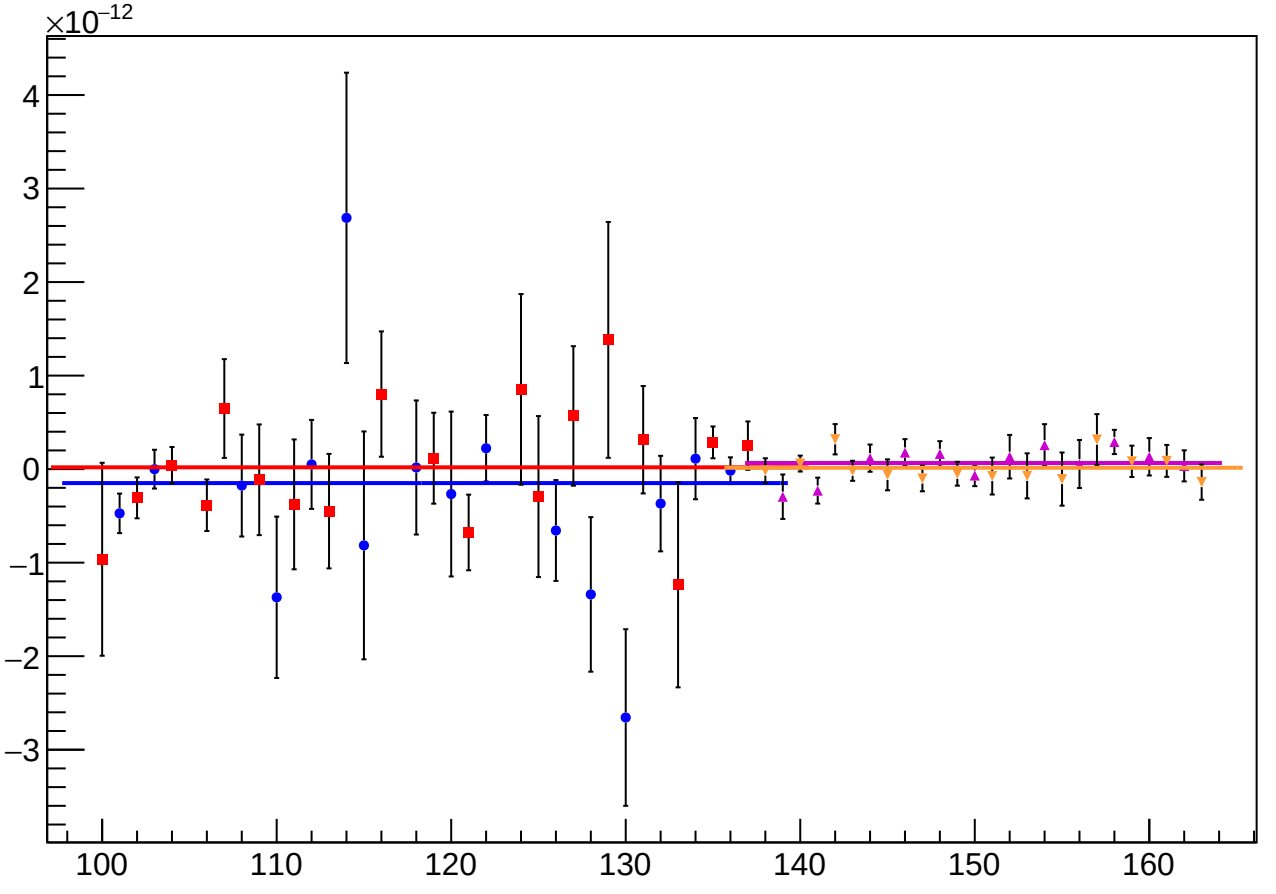
Left In: 600.613+/-0.135 χ^2/NDF:466506.0/11

+ sign 460.354+/-0.082 χ^2/NDF: 4421729.1/29

All: 440.765+/-0.057 χ^2/NDF: 9897990.2/60

- sign 422.687+/-0.079 χ^2/NDF: 5366593.3/30

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:7.9/13

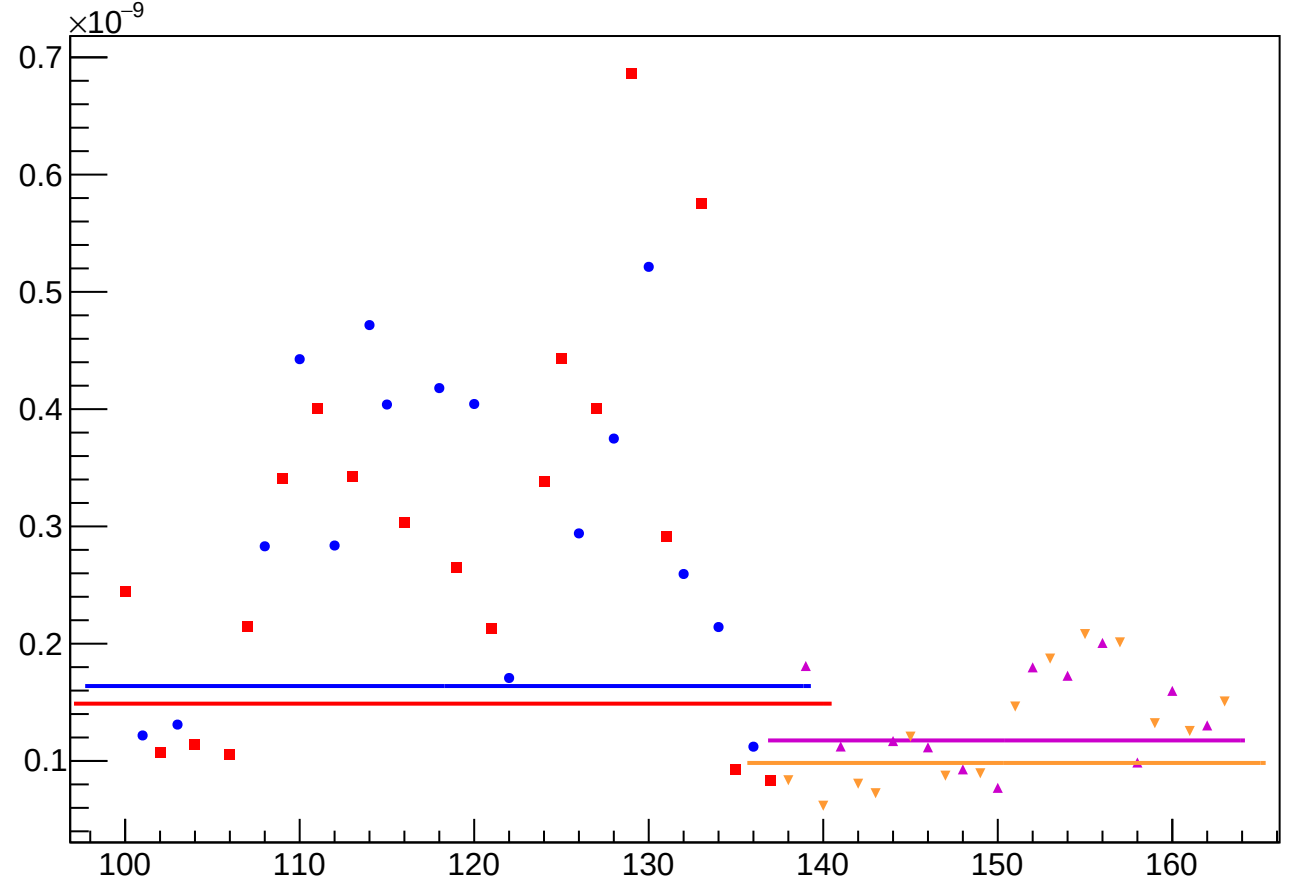
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/29

All: 0.000+/-0.000 χ^2/NDF: 66.7/60

- sign 0.000+/-0.000 χ^2/NDF: 33.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1854094.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

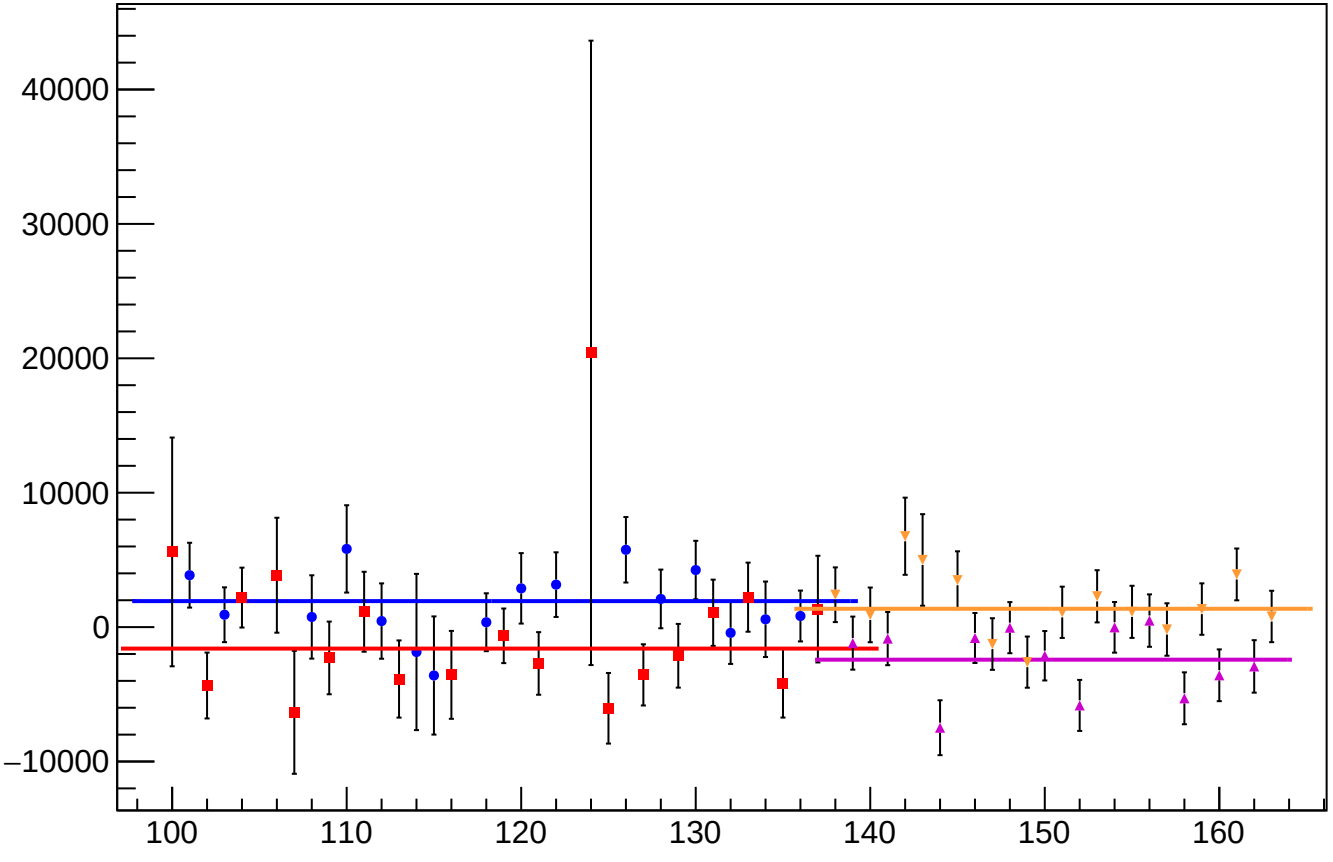
Left In: 0.000+/-0.000 χ^2/NDF:1084477.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 4801993.4/29

All: 0.000+/-0.000 χ^2/NDF: 9109817.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4146918.9/30

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.892+/-547.341 χ^2/NDF:14.9/13

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

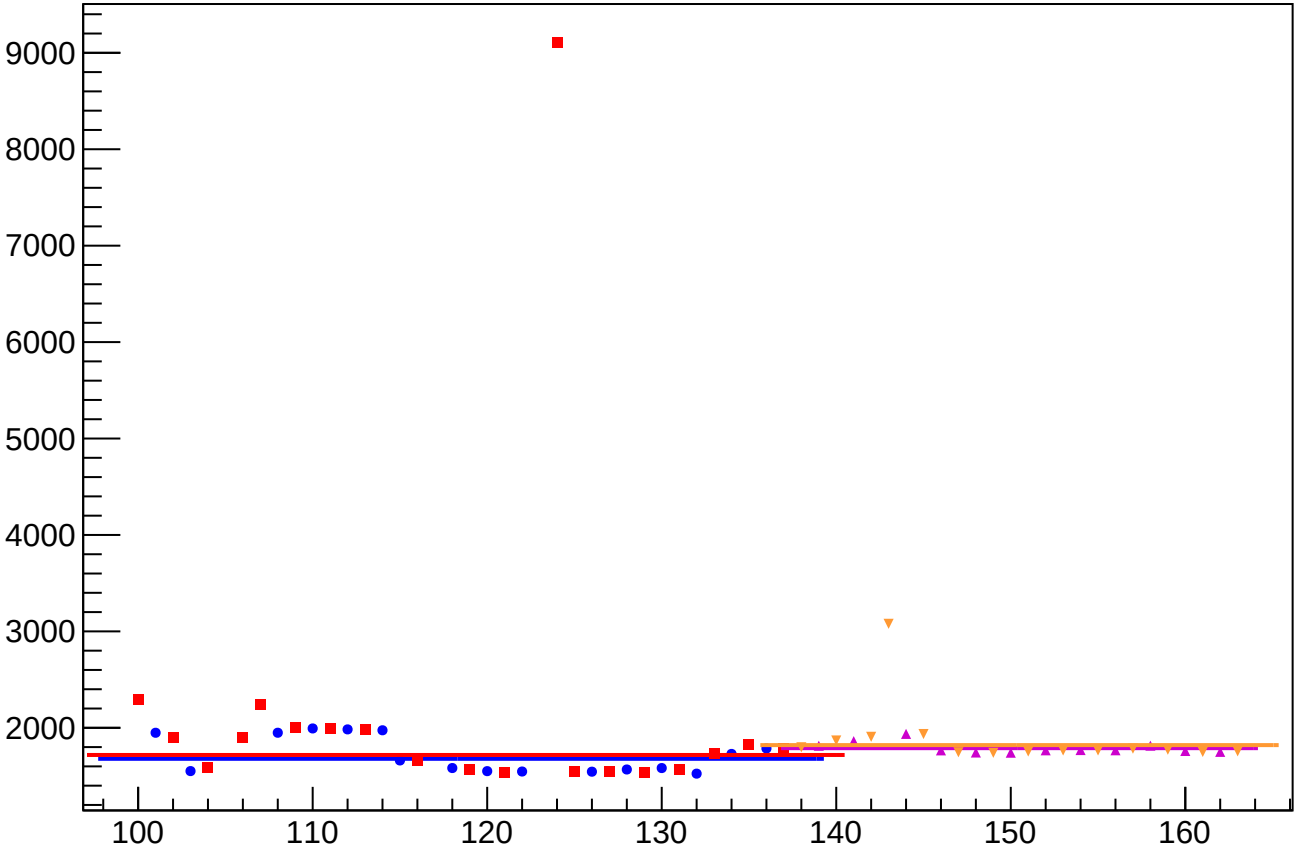
Left In: -2423.577+/-555.967 χ^2/NDF:19.2/11

+ sign 1610.387+/-412.583 χ^2/NDF: 26.3/29

All: -195.492+/-294.443 χ^2/NDF: 104.9/60

- sign -2069.886+/-420.336 χ^2/NDF: 39.6/30

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

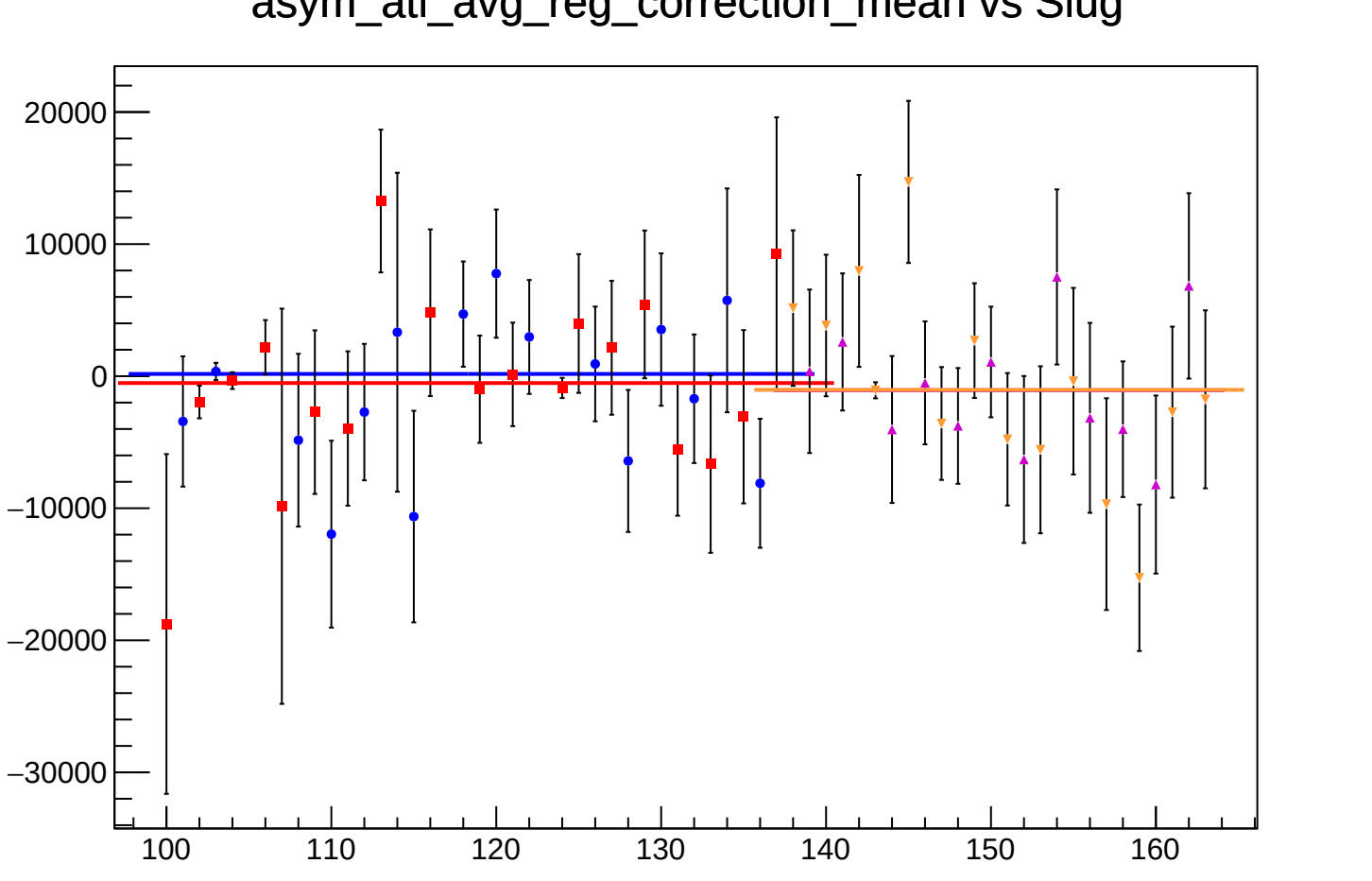
Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.2/29

All: 1758.870+/-0.208 χ^2/NDF: 915991.3/60

- sign 1758.453+/-0.297 χ^2/NDF: 415655.1/30



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1035.418+/-569.839 χ^2/NDF:20.1/13

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

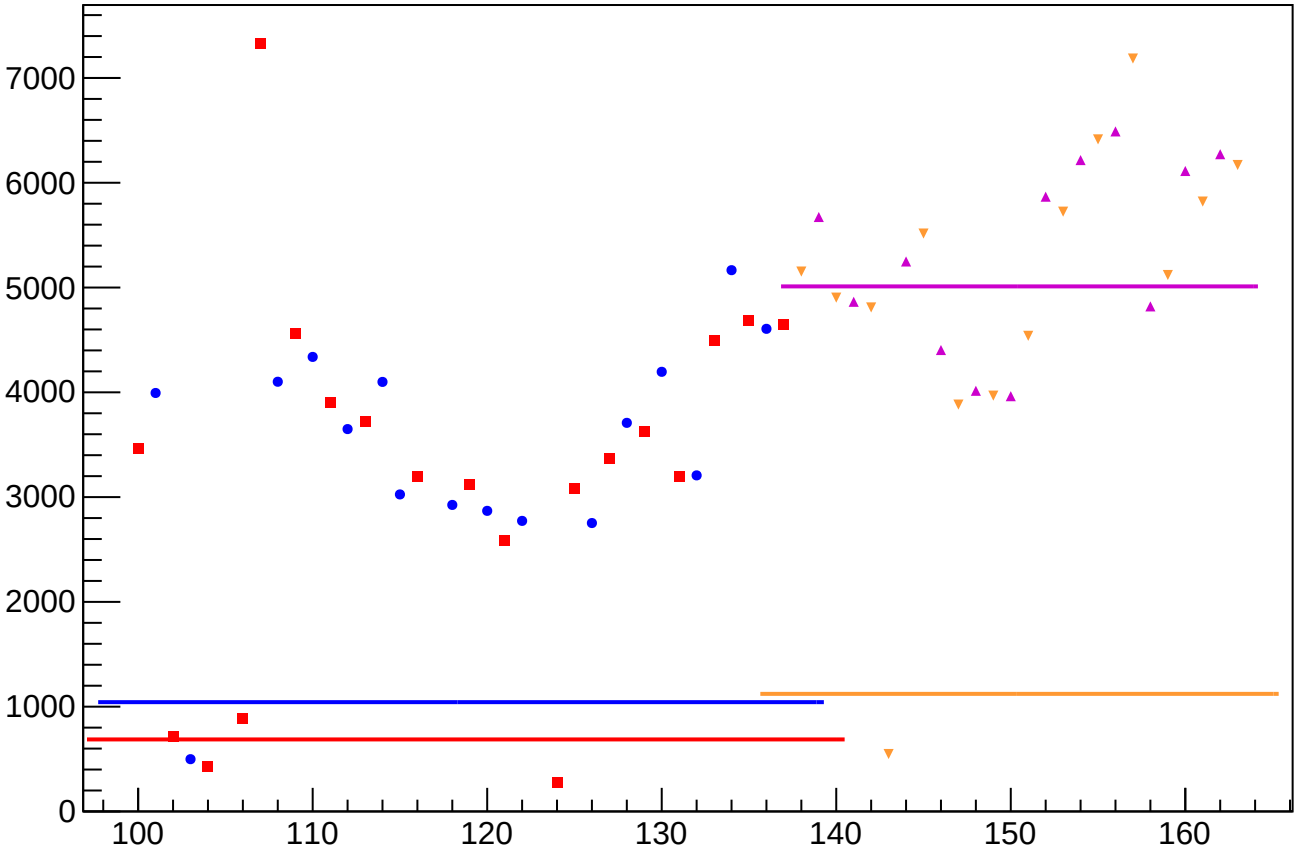
Left In: -1067.938+/-1585.044 χ^2/NDF:6.7/11

+ sign -456.119+/-410.417 χ^2/NDF: 38.0/29

All: -506.936+/-290.169 χ^2/NDF: 63.4/60

- sign -557.724+/-410.304 χ^2/NDF: 25.3/30

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1122.202+/-0.403 χ^2/NDF:14401323.0/13

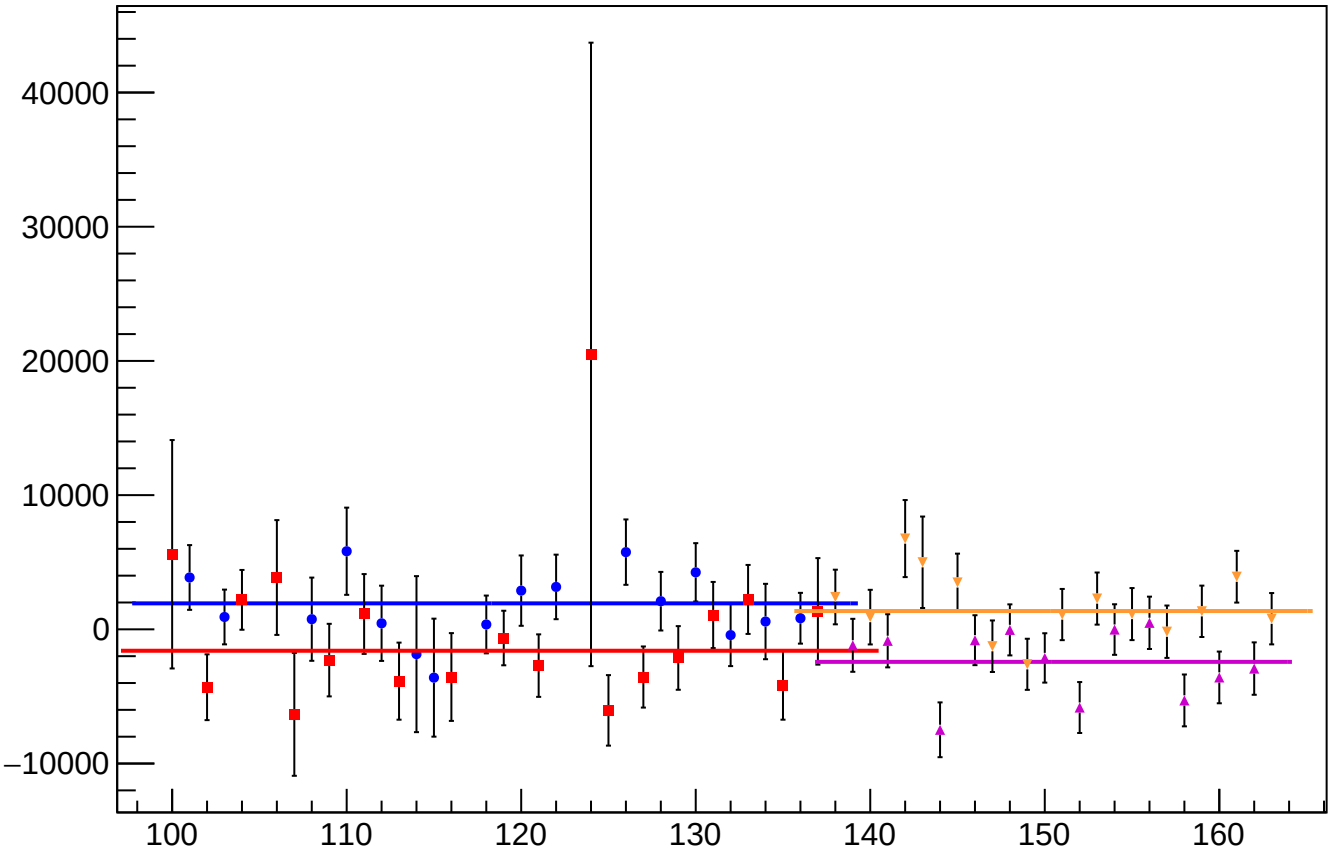
Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5010.918+/-1.121 χ^2/NDF:598773.5/11

+ sign 1084.141+/-0.290 χ^2/NDF: 22531760.0/29

All: 1030.579+/-0.205 χ^2/NDF: 45714143.0/6

- sign 977.046+/-0.290 χ^2/NDF: 23114272.9/30



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

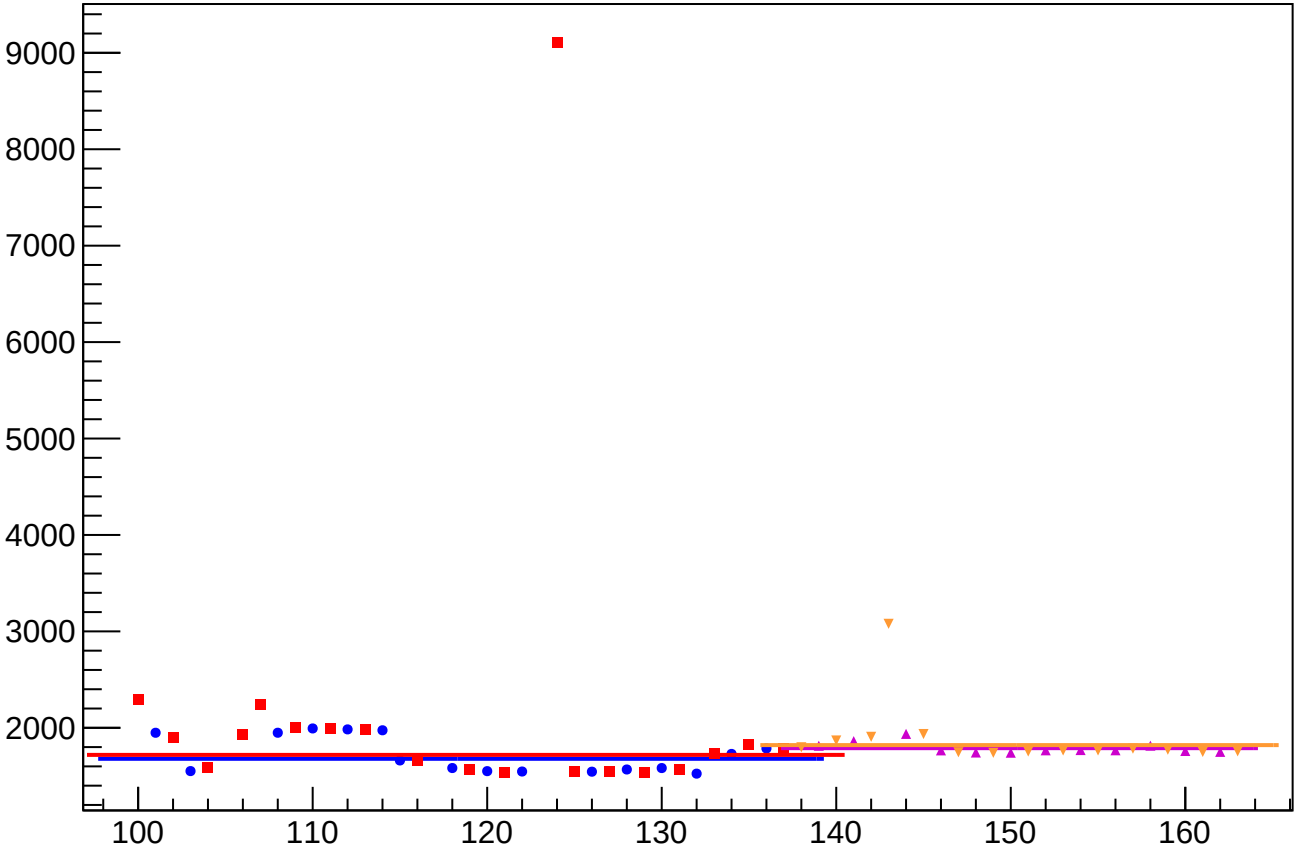
Left In: -2423.681+/-555.967 χ^2/NDF:19.2/11

+ sign 1610.439+/-412.583 χ^2/NDF: 26.3/29

All: -194.978+/-294.444 χ^2/NDF: 104.8/60

- sign -2068.905+/-420.338 χ^2/NDF: 39.6/30

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

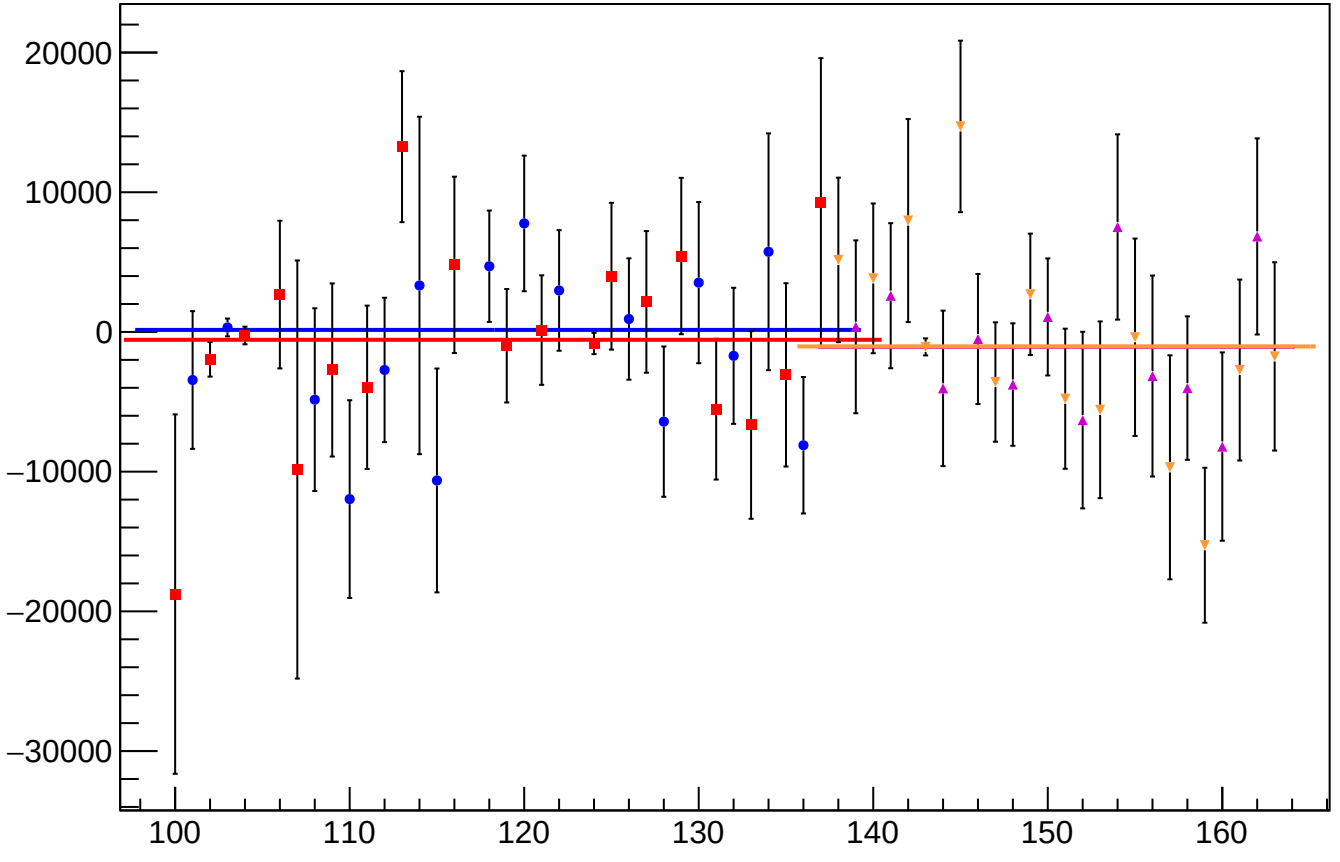
Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.4/29

All: 1759.055+/-0.208 χ^2/NDF: 917398.2/60

- sign 1758.829+/-0.297 χ^2/NDF: 417064.6/30

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

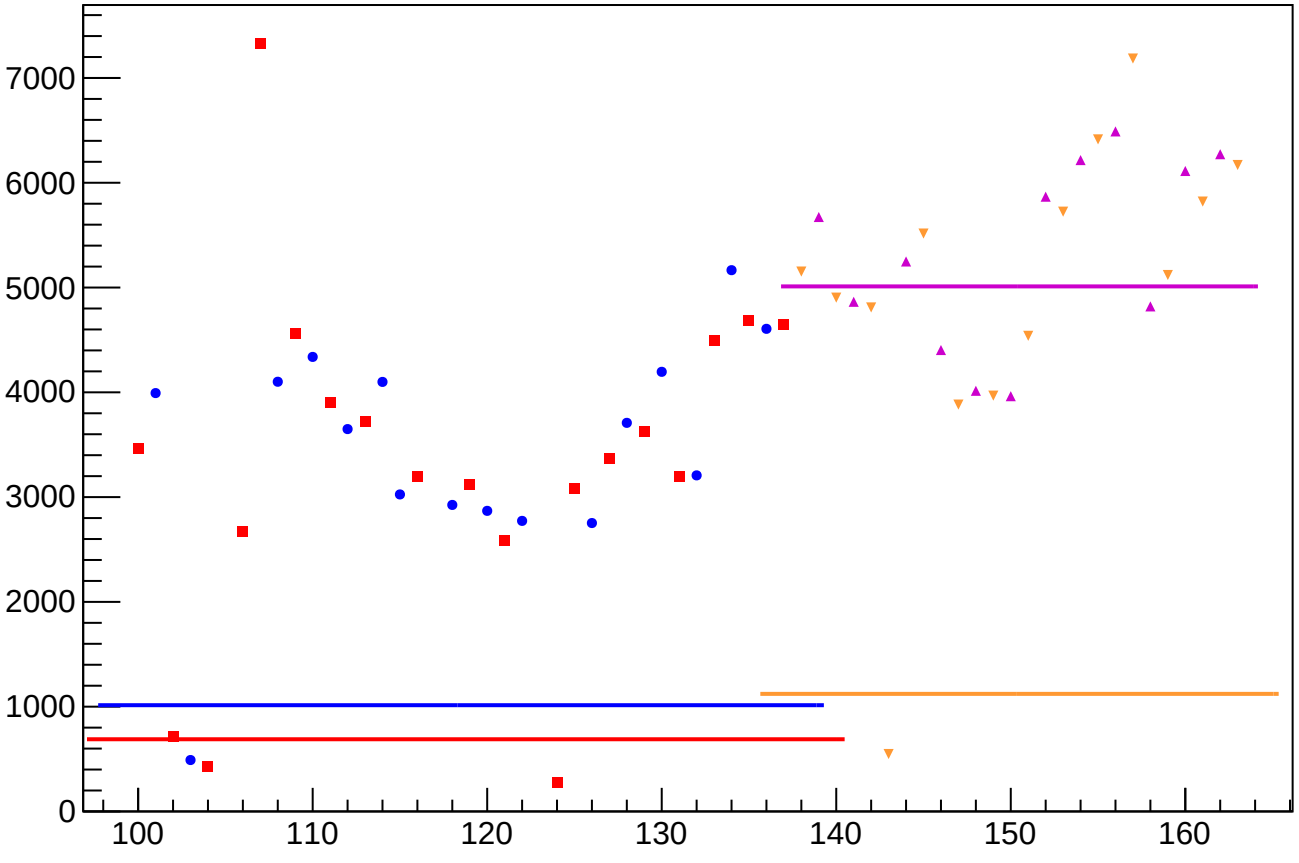
Left In: -1068.071+/-1585.043 χ^2/NDF:6.7/11

+ sign -454.065+/-406.253 χ^2/NDF: 38.0/29

All: -523.561+/-290.498 χ^2/NDF: 62.0/60

- sign -596.277+/-415.558 χ^2/NDF: 24.0/30

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

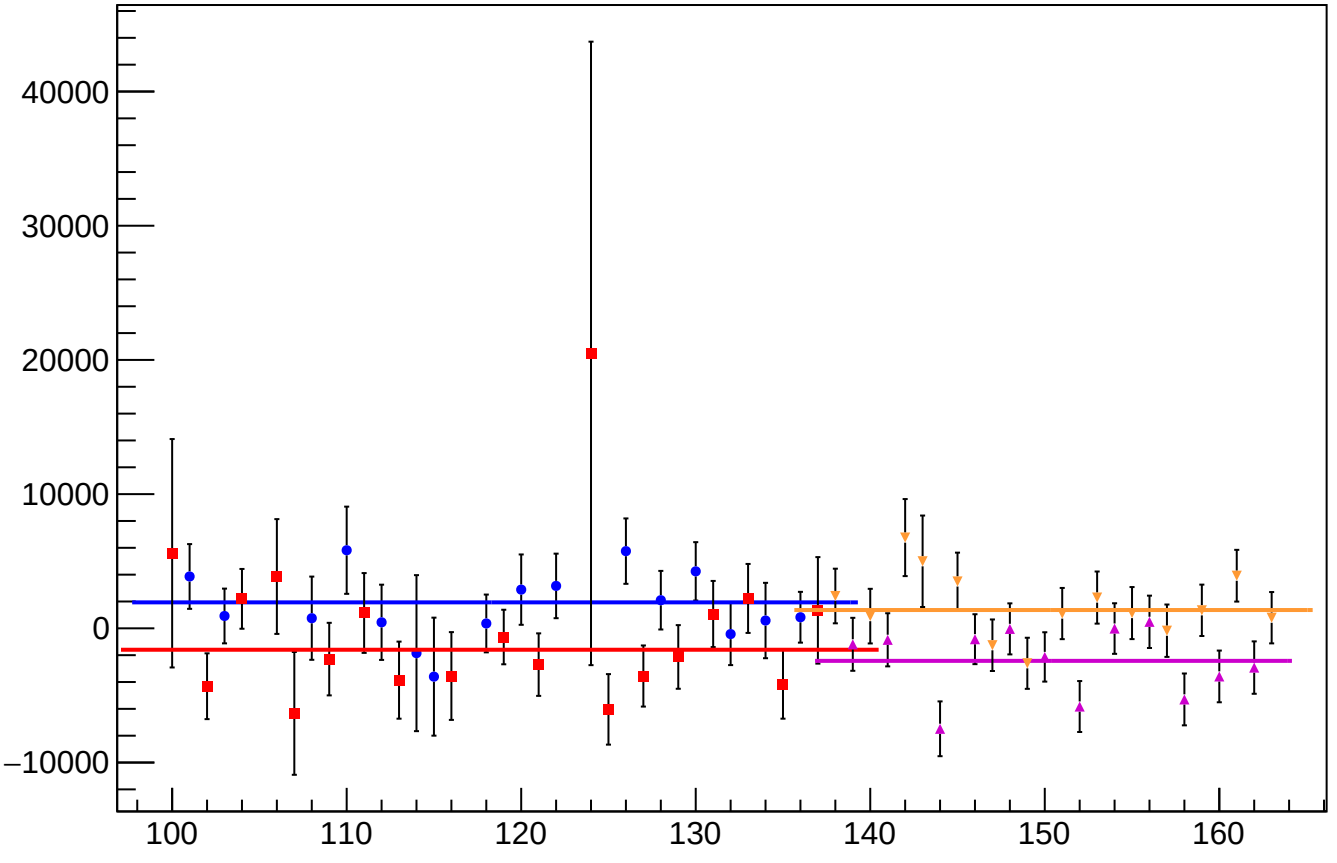
Left In: 5010.913+/-1.121 χ^2/NDF:598790.0/11

+ sign 1069.015+/-0.287 χ^2/NDF: 22659988.2/29

All: 1028.506+/-0.205 χ^2/NDF: 46057029.0/6

- sign 986.120+/-0.294 χ^2/NDF: 23356348.6/30

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

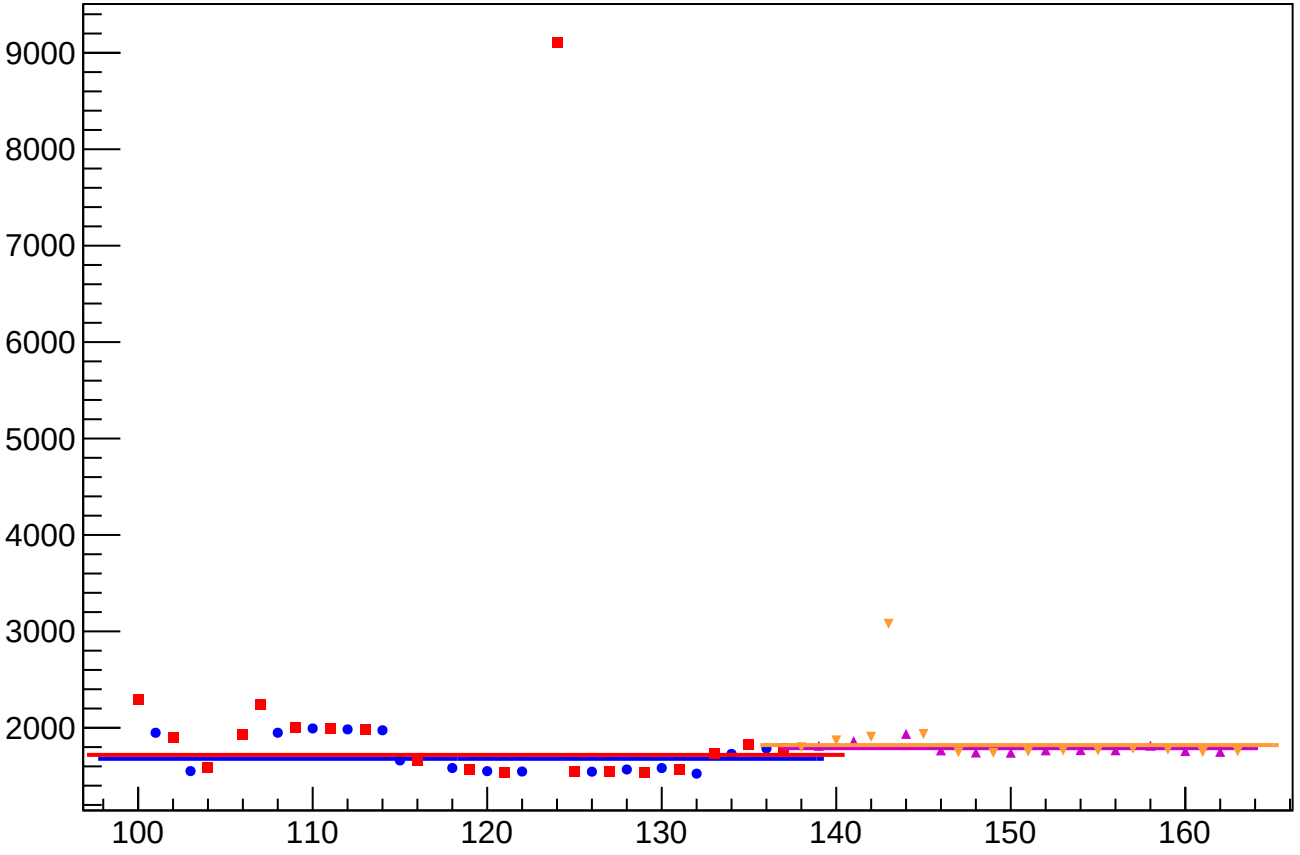
Left In: -2423.681+/-555.967 χ^2/NDF:19.2/11

+ sign 1610.439+/-412.583 χ^2/NDF: 26.3/29

All: -194.978+/-294.444 χ^2/NDF: 104.8/60

- sign -2068.905+/-420.338 χ^2/NDF: 39.6/30

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

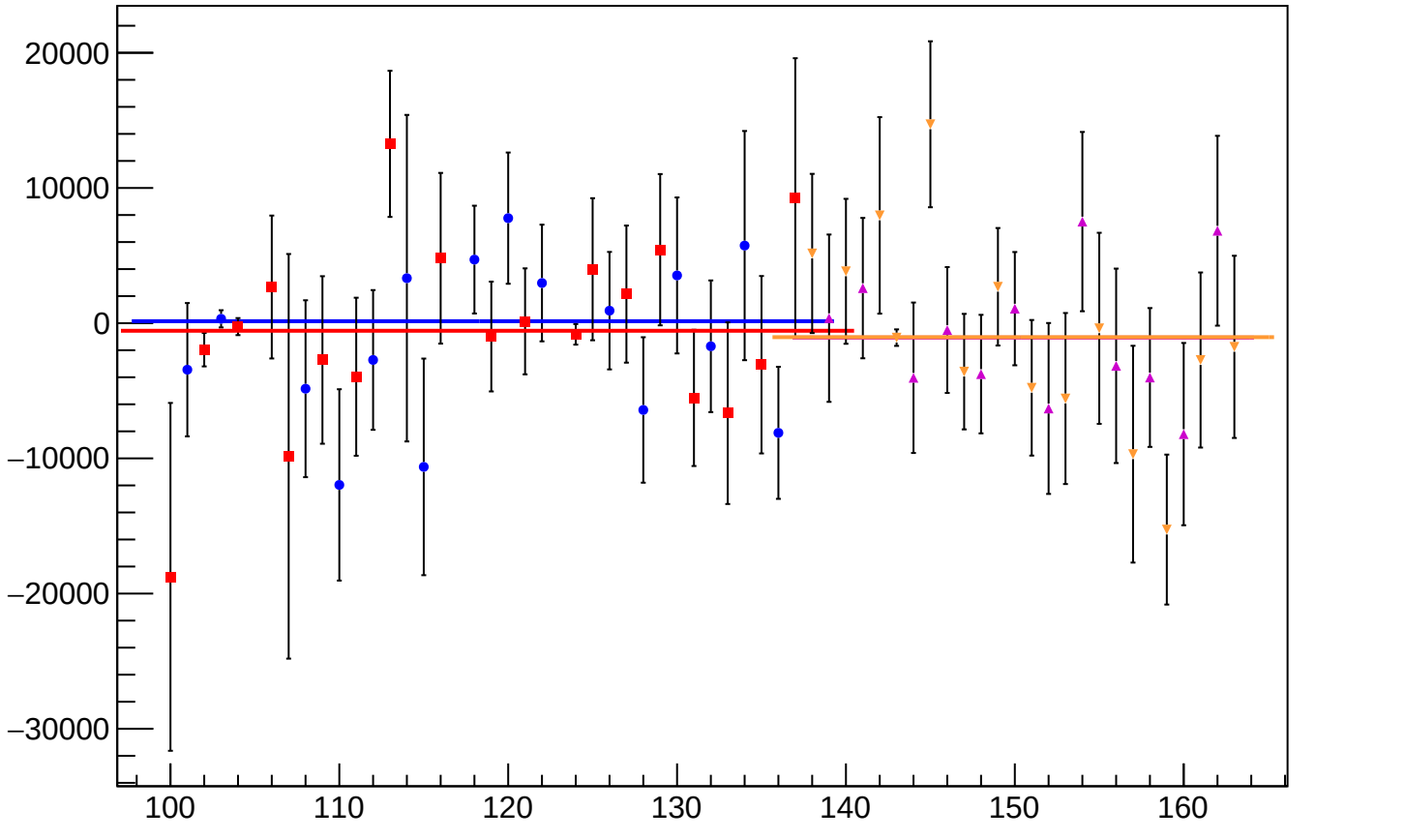
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

+ sign 1759.272+/-0.292 χ^2/NDF: 500332.4/29

All: 1759.055+/-0.208 χ^2/NDF: 917398.2/60

- sign 1758.829+/-0.297 χ^2/NDF: 417064.6/30



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

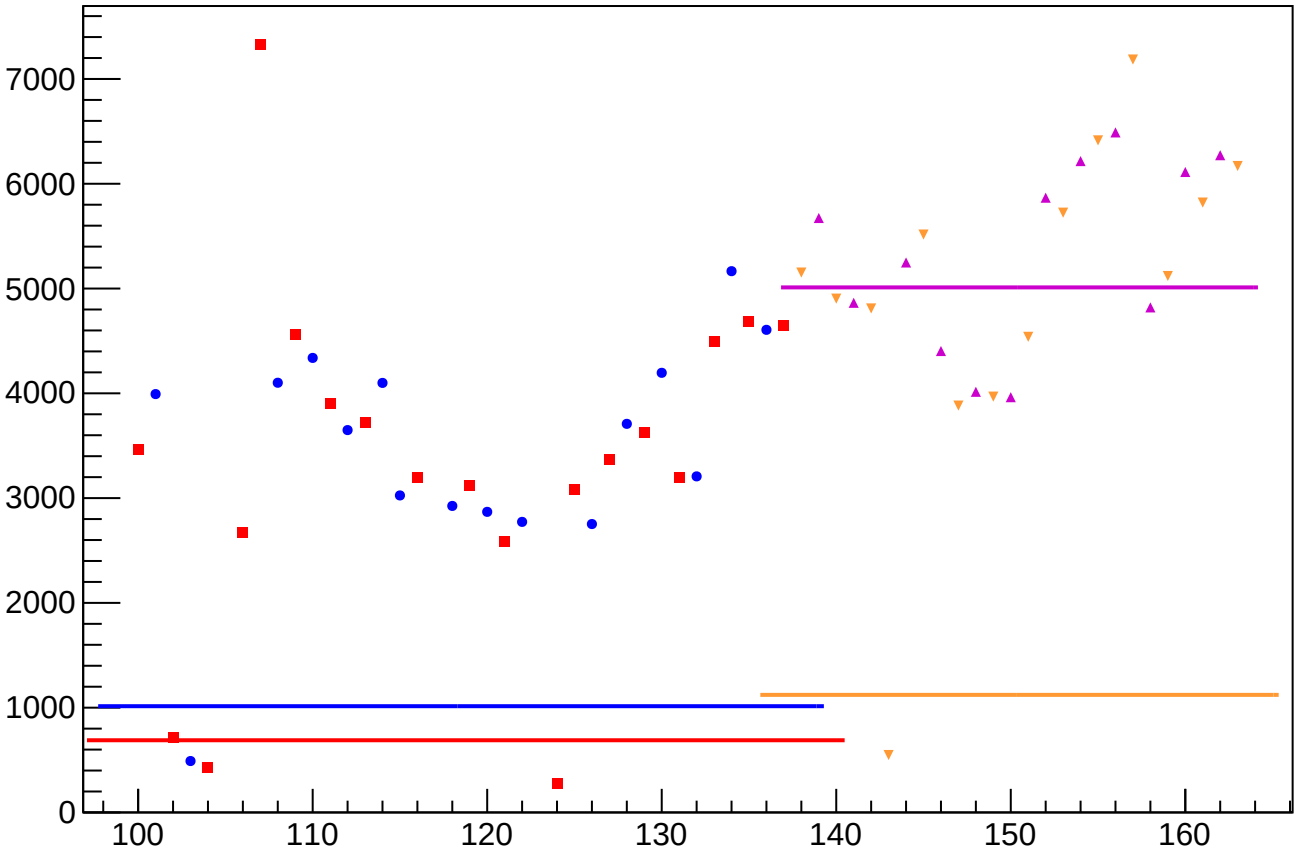
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1068.071+/-1585.043 χ^2/NDF:6.7/11

+ sign -454.065+/-406.253 χ^2/NDF: 38.0/29

All: -523.561+/-290.498 χ^2/NDF: 62.0/60

- sign -596.277+/-415.558 χ^2/NDF: 24.0/30



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

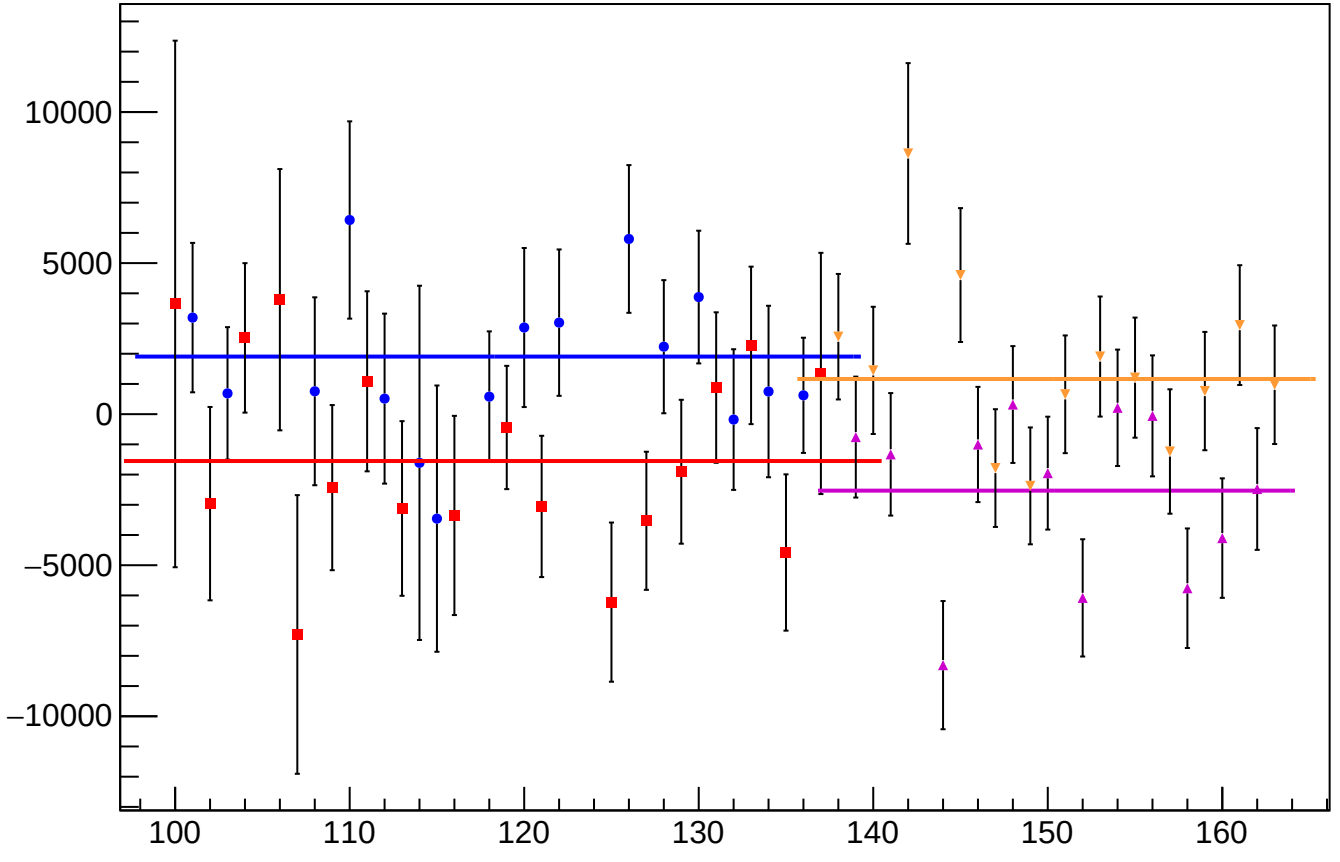
Left In: 5010.913+/-1.121 χ^2/NDF:598790.0/11

+ sign 1069.015+/-0.287 χ^2/NDF: 22659988.2/29

All: 1028.506+/-0.205 χ^2/NDF: 46057029.0/6

- sign 986.120+/-0.294 χ^2/NDF: 23356348.6/30

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.502+/-569.417 χ^2/NDF:17.2/12

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

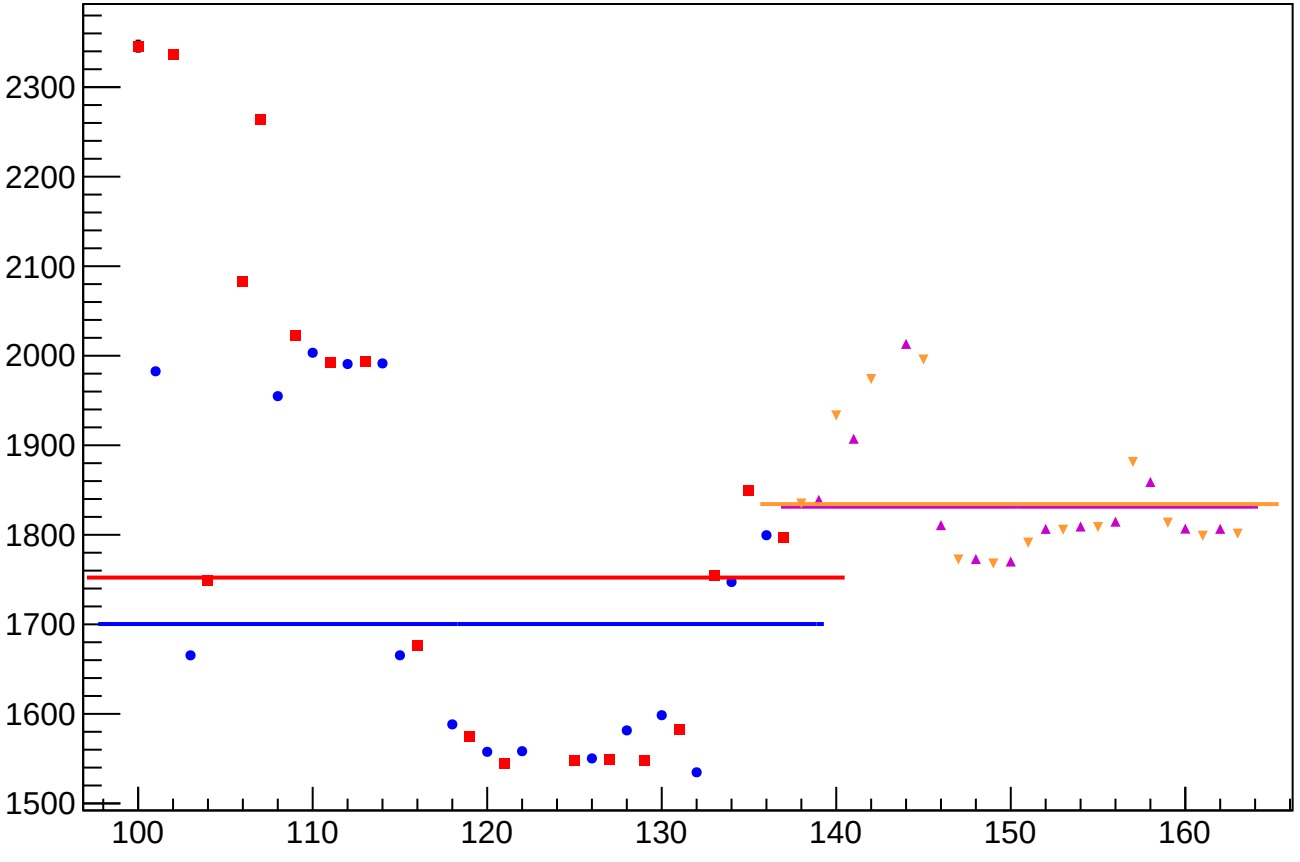
Left In: -2531.214+/-569.302 χ^2/NDF:21.7/11

+ sign 1494.259+/-424.361 χ^2/NDF: 28.2/28

All: -280.176+/-302.519 χ^2/NDF: 104.1/58

- sign -2113.795+/-431.380 χ^2/NDF: 40.4/29

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1834.297+/-0.403 χ^2/NDF:27973.3/12

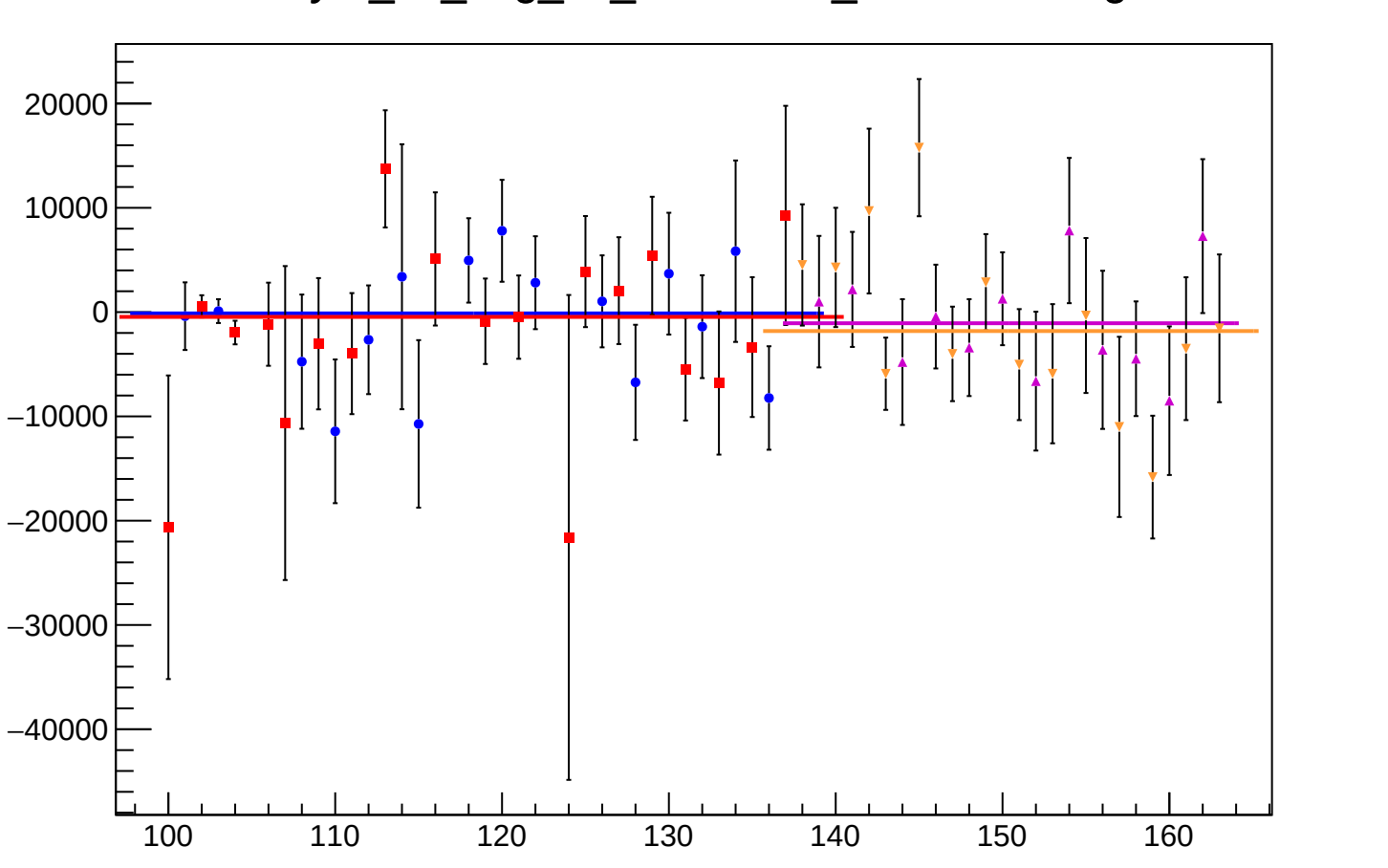
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1831.413+/-0.403 χ^2/NDF:23453.8/11

+ sign 1774.748+/-0.300 χ^2/NDF: 212591.3/28

All: 1786.002+/-0.214 χ^2/NDF: 503370.8/58

- sign 1797.609+/-0.305 χ^2/NDF: 287922.1/29



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1817.401+/-1511.595 χ^2/NDF:21.9/13

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

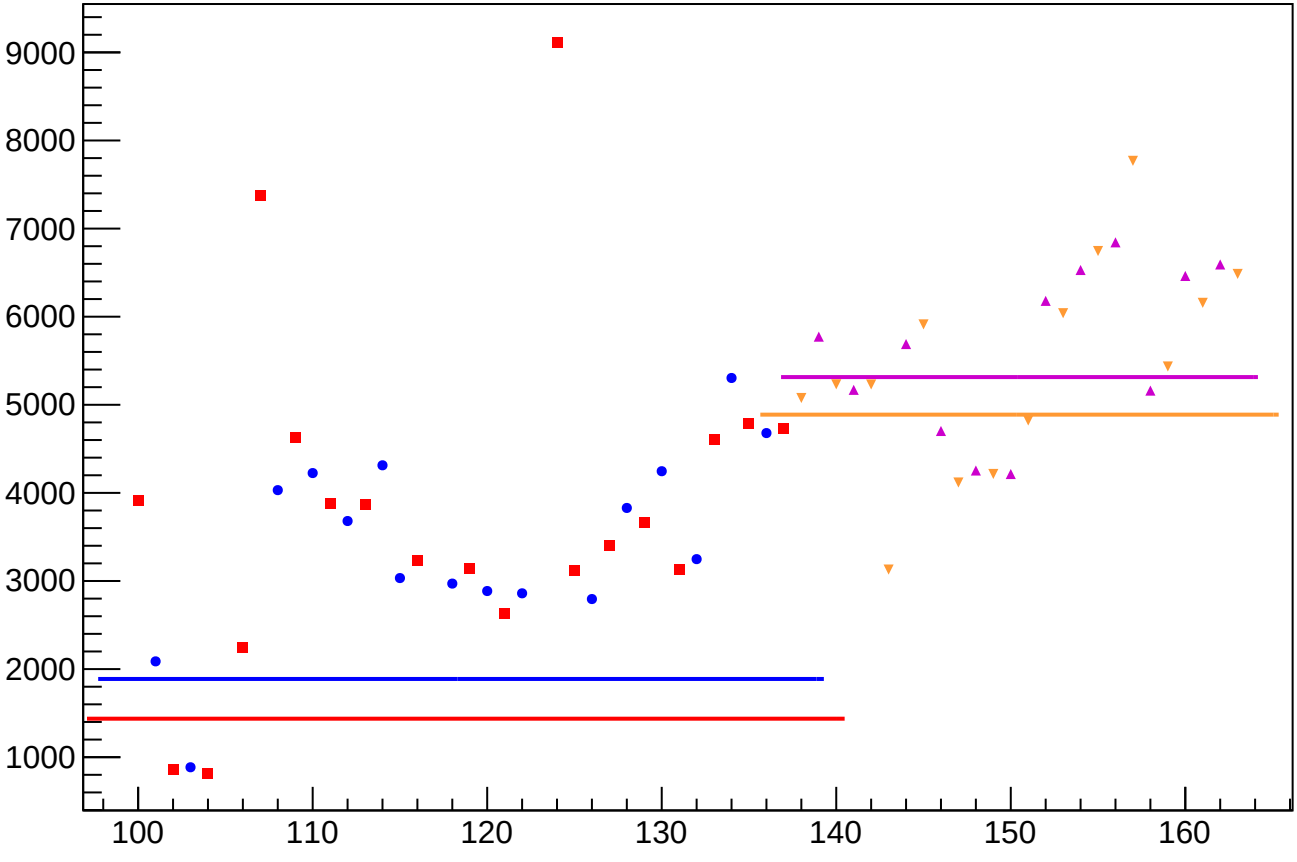
Left In: -1067.505+/-1679.784 χ^2/NDF:6.6/11

+ sign -544.761+/-752.494 χ^2/NDF: 37.9/29

All: -544.823+/-482.894 χ^2/NDF: 63.1/60

- sign -544.866+/-629.641 χ^2/NDF: 25.2/30

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4888.196+/-1.069 χ^2/NDF:1272114.2/13

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

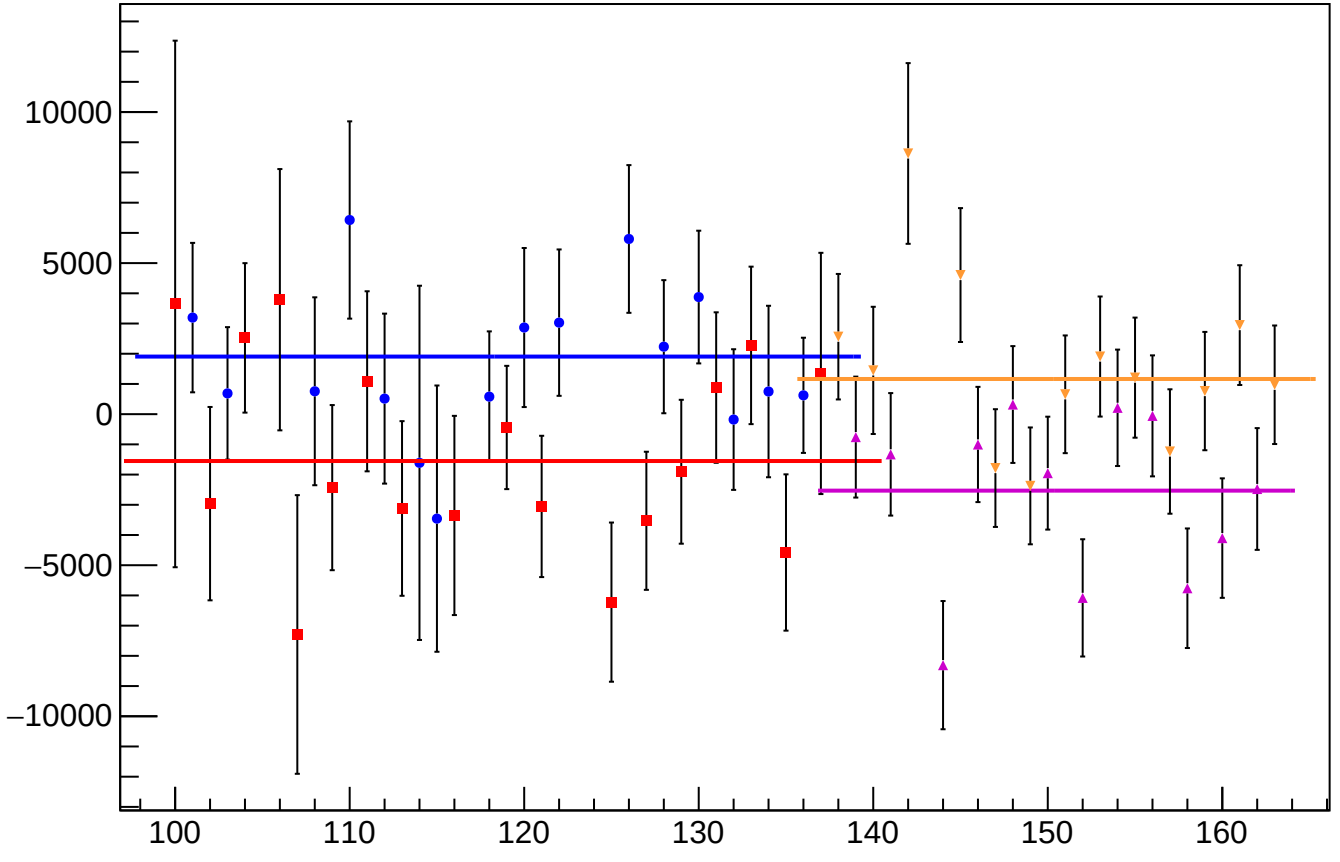
Left In: 5314.530+/-1.188 χ^2/NDF:565787.6/11

+ sign 2631.506+/-0.532 χ^2/NDF: 11624065.3/29

All: 2249.408+/-0.341 χ^2/NDF: 28189901.0/6

- sign 1981.889+/-0.445 χ^2/NDF: 15689126.0/30

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.499+/-569.417 χ^2/NDF:17.2/12

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

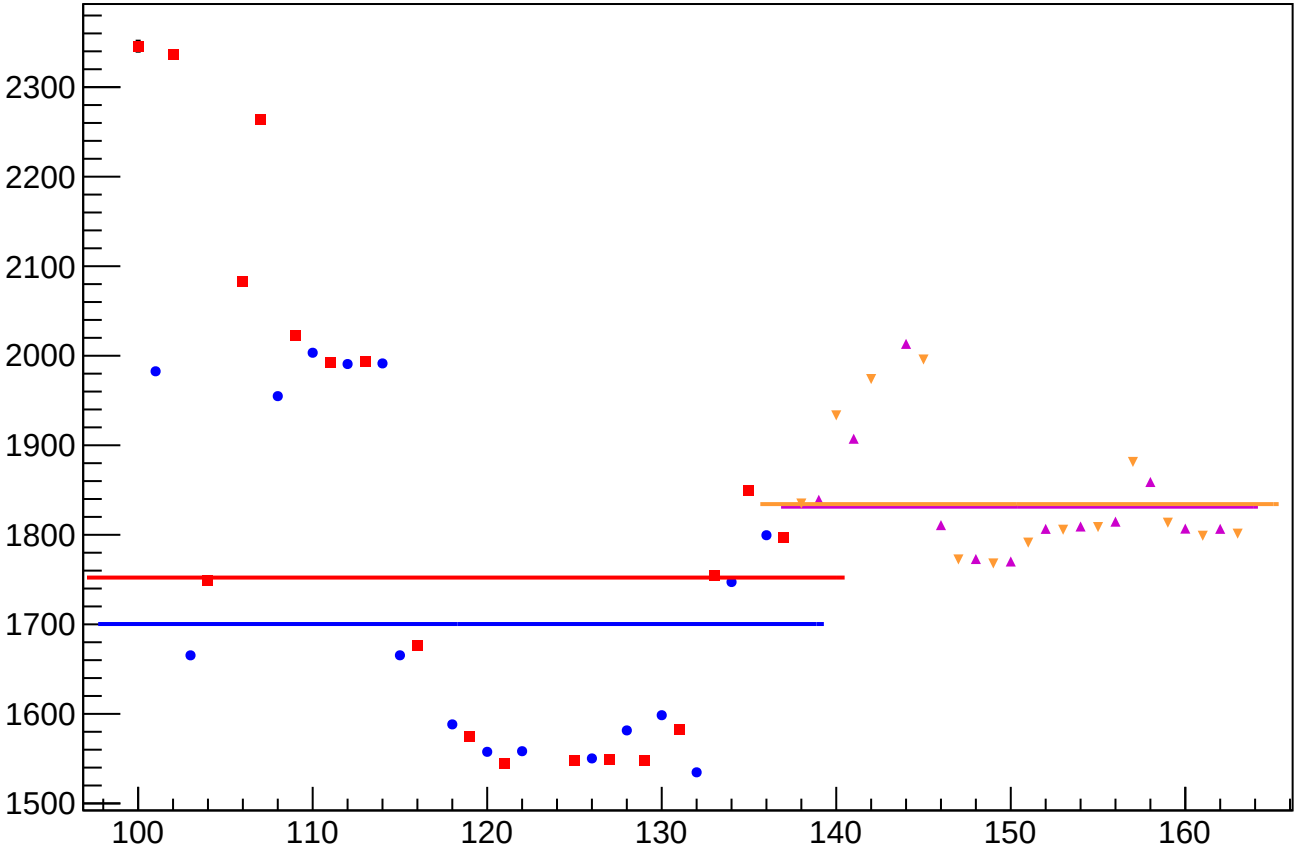
Left In: -2531.215+/-569.303 χ^2/NDF:21.7/11

+ sign 1494.257+/-424.361 χ^2/NDF: 28.2/28

All: -280.176+/-302.519 χ^2/NDF: 104.1/58

- sign -2113.794+/-431.380 χ^2/NDF: 40.4/29

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1834.298+/-0.403 χ^2/NDF:27973.8/12

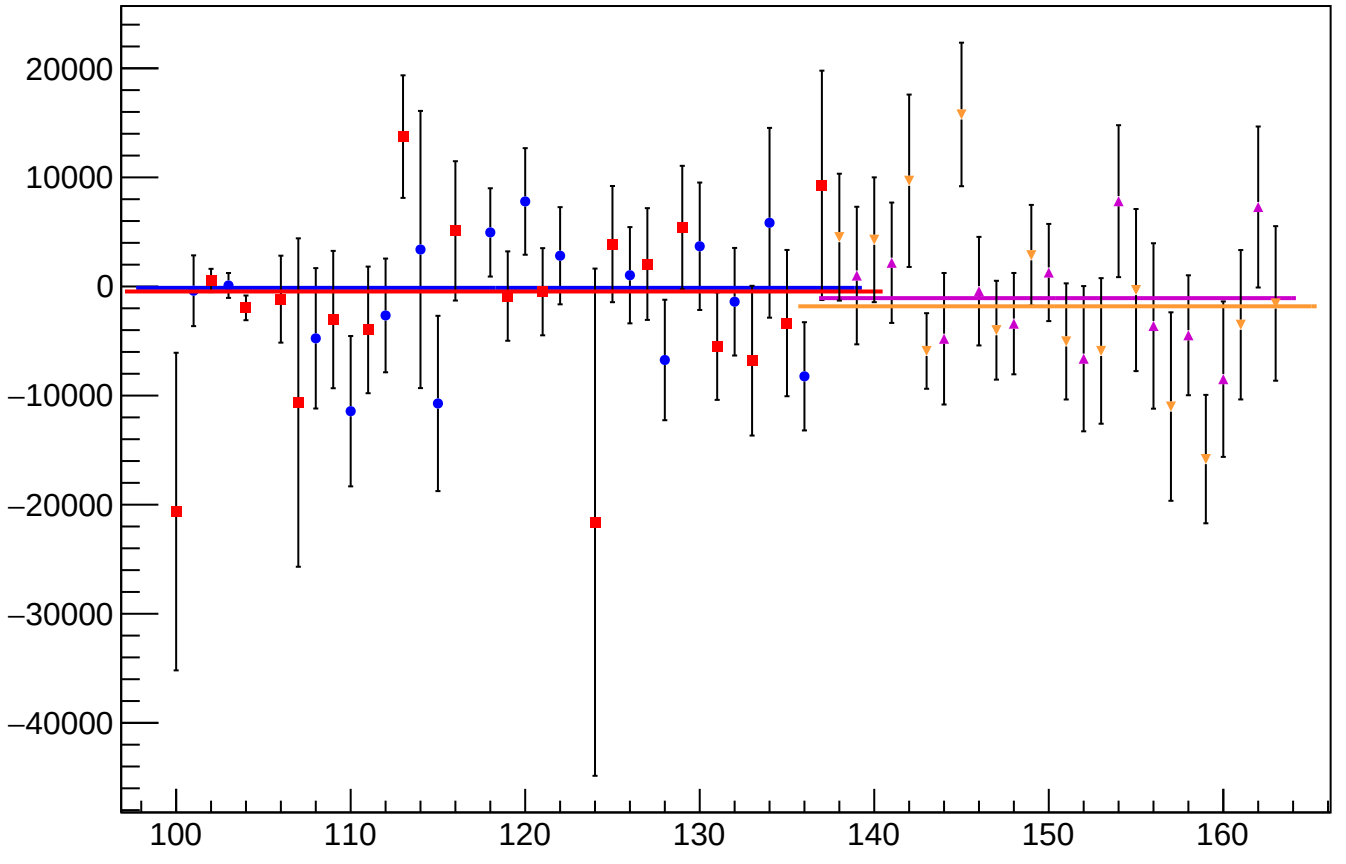
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1831.414+/-0.403 χ^2/NDF:23454.1/11

+ sign 1774.749+/-0.300 χ^2/NDF: 212593.2/28

All: 1786.003+/-0.214 χ^2/NDF: 503373.2/58

- sign 1797.610+/-0.305 χ^2/NDF: 287922.6/29



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1817.407+/-1511.597 χ^2/NDF:21.9/13

Right Out: -459.430+/-679.152 χ^2/NDF: 18.5/18

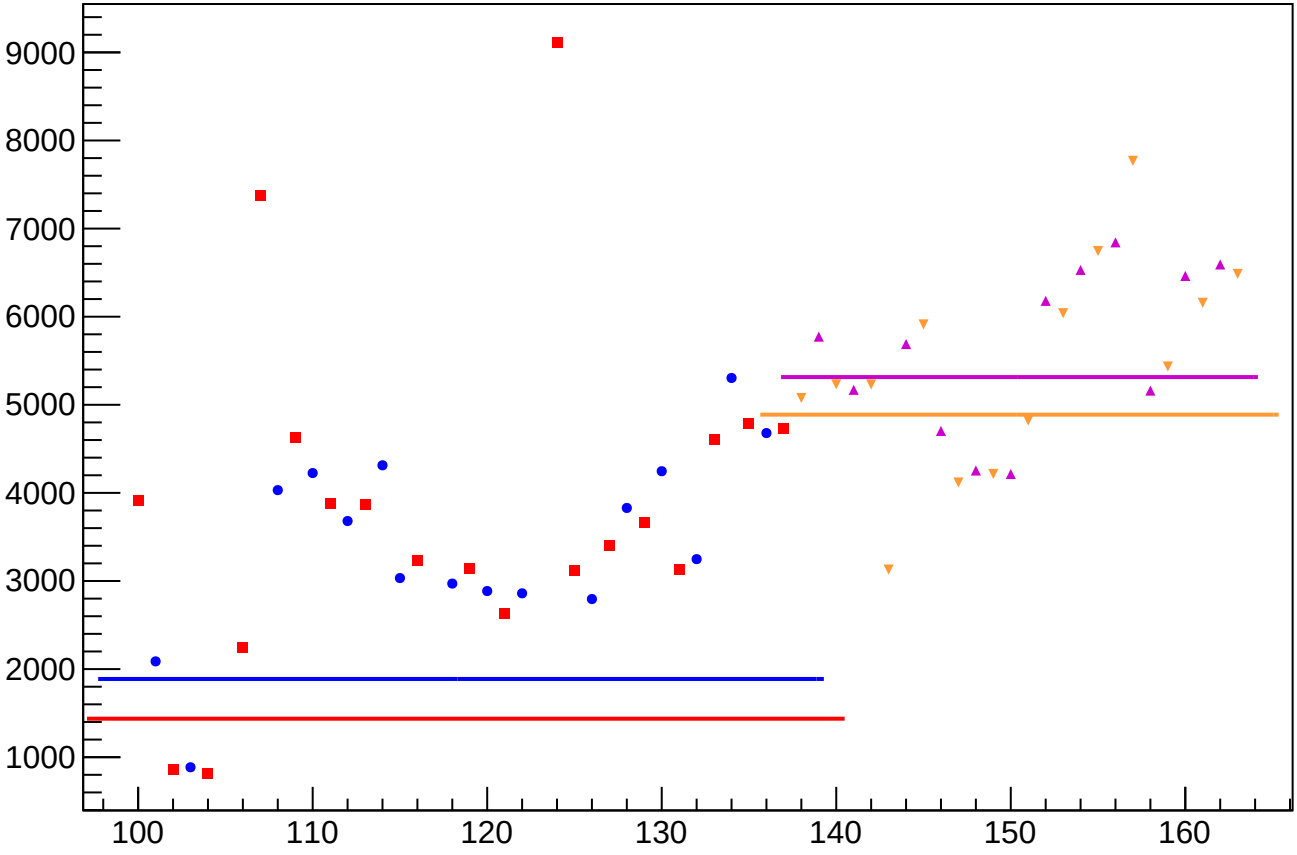
Left In: -1067.506+/-1679.786 χ^2/NDF:6.6/11

+ sign -544.755+/-752.491 χ^2/NDF: 37.9/29

All: -544.819+/-482.891 χ^2/NDF: 63.1/60

- sign -544.864+/-629.637 χ^2/NDF: 25.2/30

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4888.200+/-1.069 χ^2/NDF:1272121.2/13

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

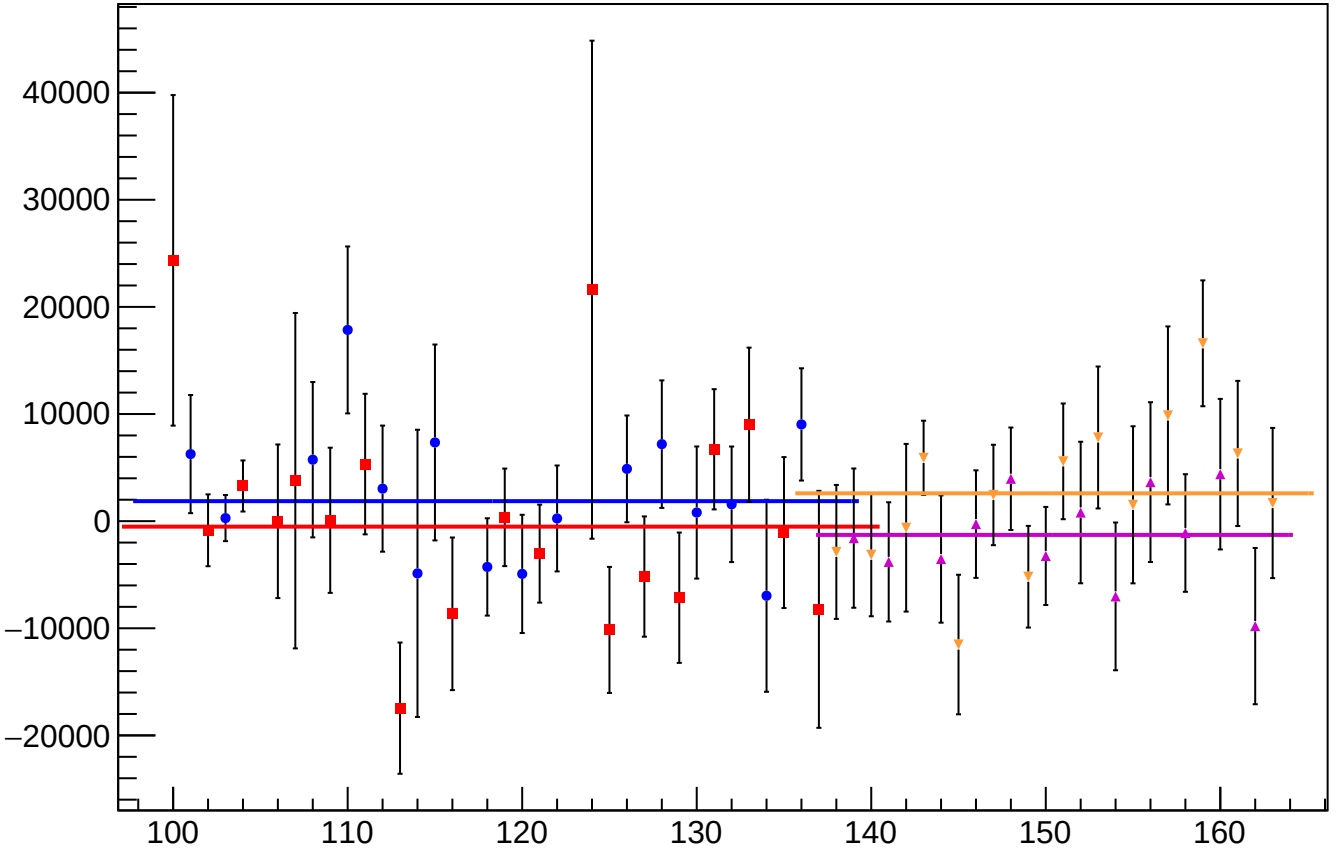
Left In: 5314.537+/-1.188 χ^2/NDF:565790.8/11

+ sign 2631.486+/-0.532 χ^2/NDF: 11624201.6/29

All: 2249.388+/-0.341 χ^2/NDF: 28190175.4/6

- sign 1981.870+/-0.445 χ^2/NDF: 15689257.0/30

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2596.763+/-1524.473 χ^2/NDF:17.9/13

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

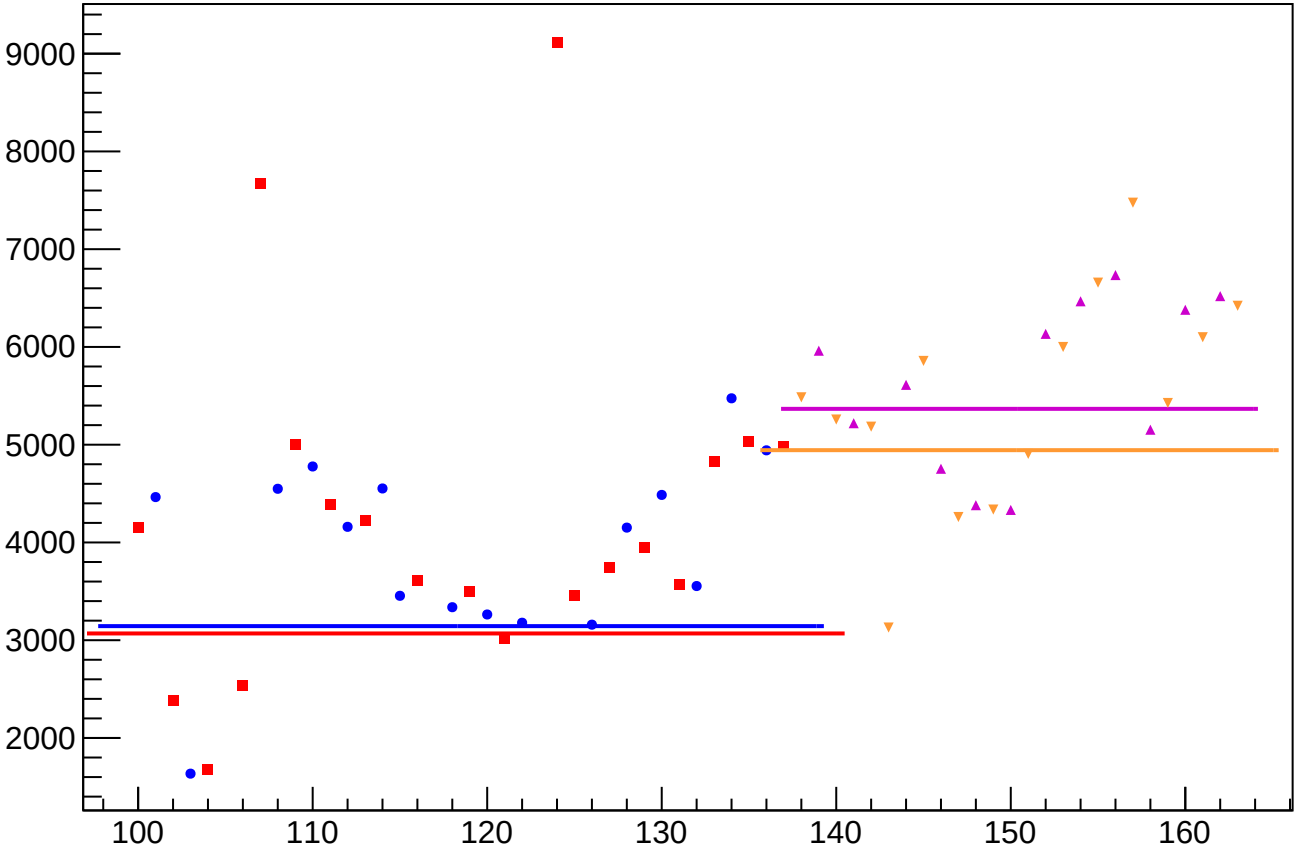
Left In: -1284.651+/-1691.386 χ^2/NDF:5.0/11

+ sign 2162.733+/-970.835 χ^2/NDF: 31.9/29

All: 734.735+/-696.848 χ^2/NDF: 66.2/60

- sign -782.877+/-1000.834 χ^2/NDF: 29.8/30

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4944.036+/-1.078 χ^2/NDF:1192258.7/13

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

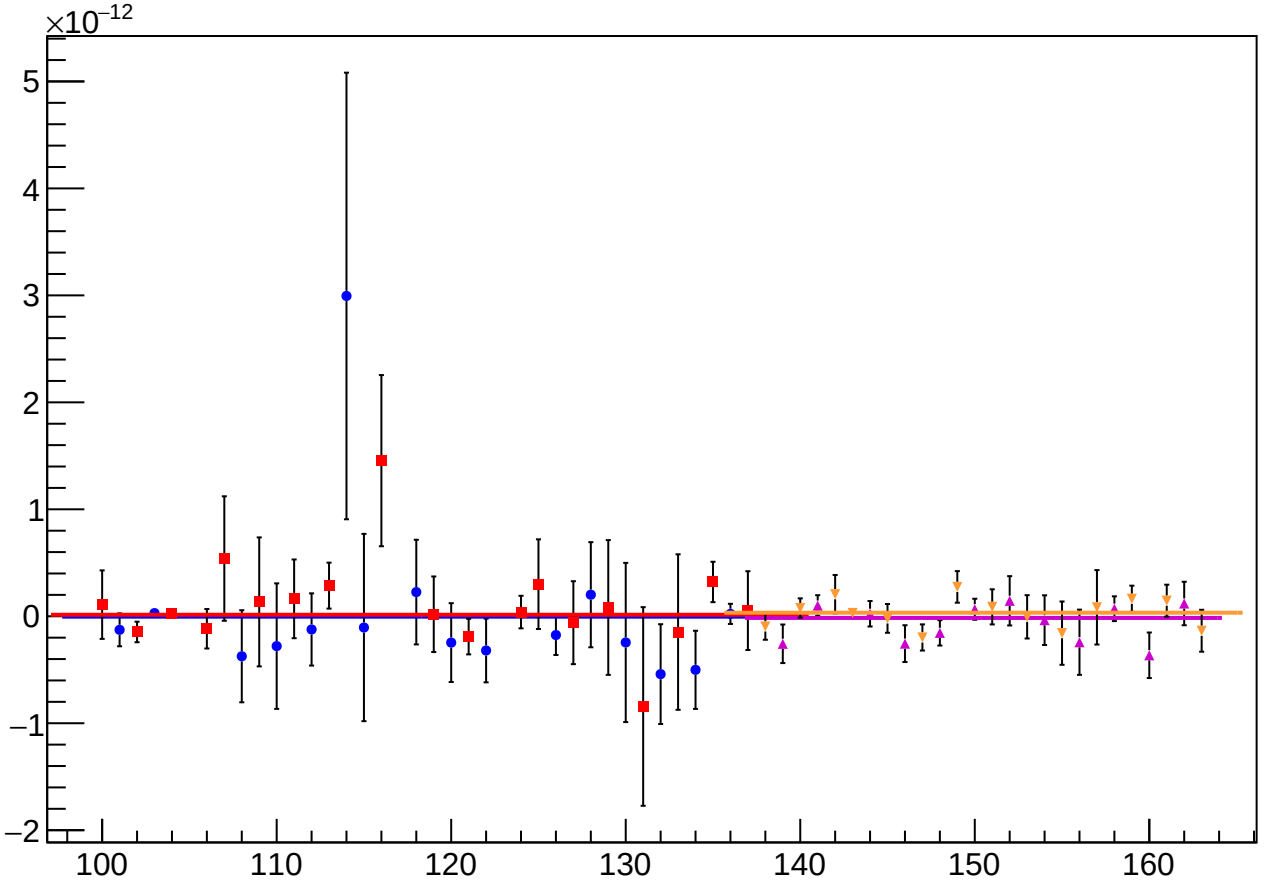
Left In: 5366.730+/-1.196 χ^2/NDF:478113.6/11

+ sign 3874.096+/-0.686 χ^2/NDF: 4732688.0/29

All: 3865.840+/-0.490 χ^2/NDF: 9517419.6/60

- sign 3857.243+/-0.700 χ^2/NDF: 4784436.4/30

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:11.7/13

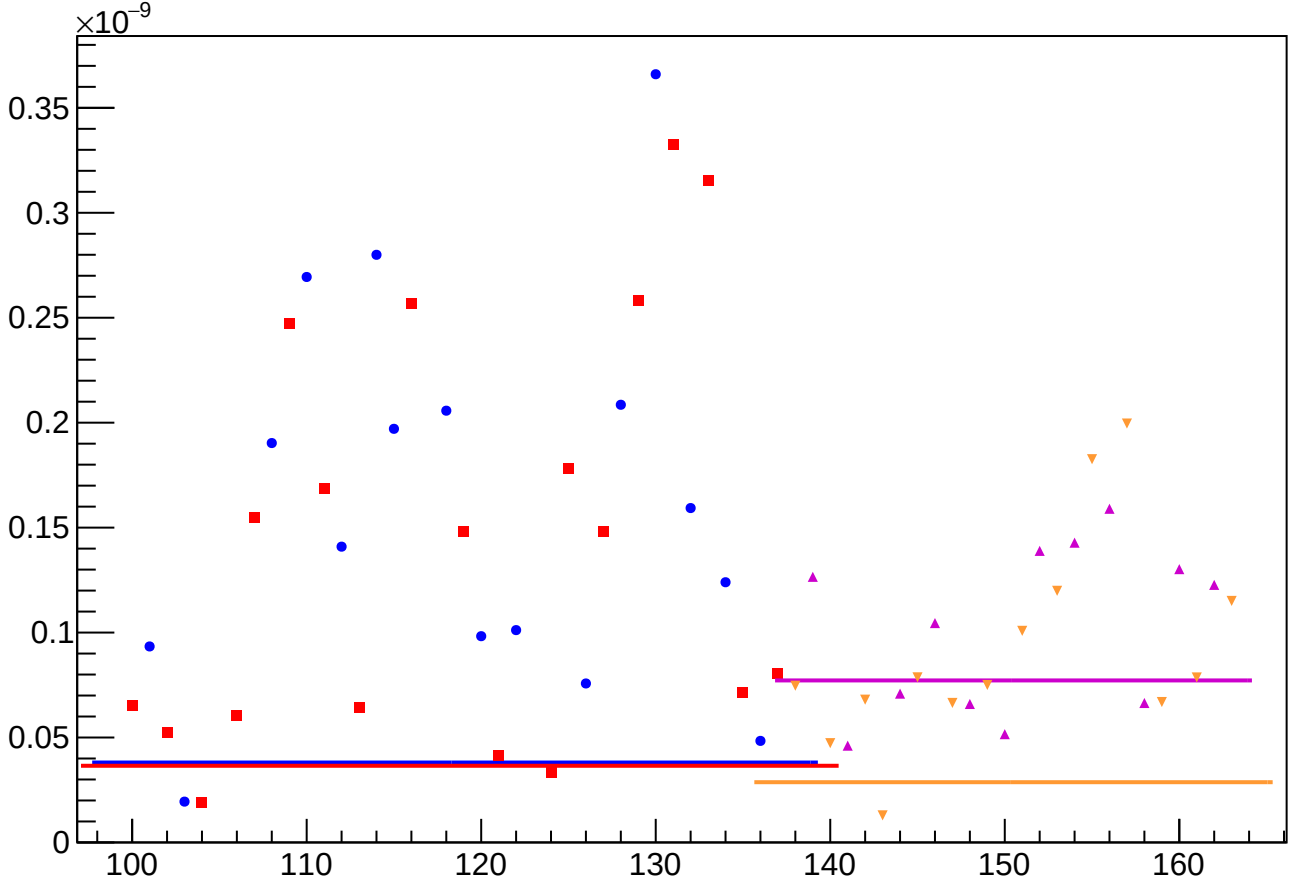
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 23.2/29

All: 0.000+/-0.000 χ^2/NDF: 50.9/60

- sign 0.000+/-0.000 χ^2/NDF: 27.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4655522.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

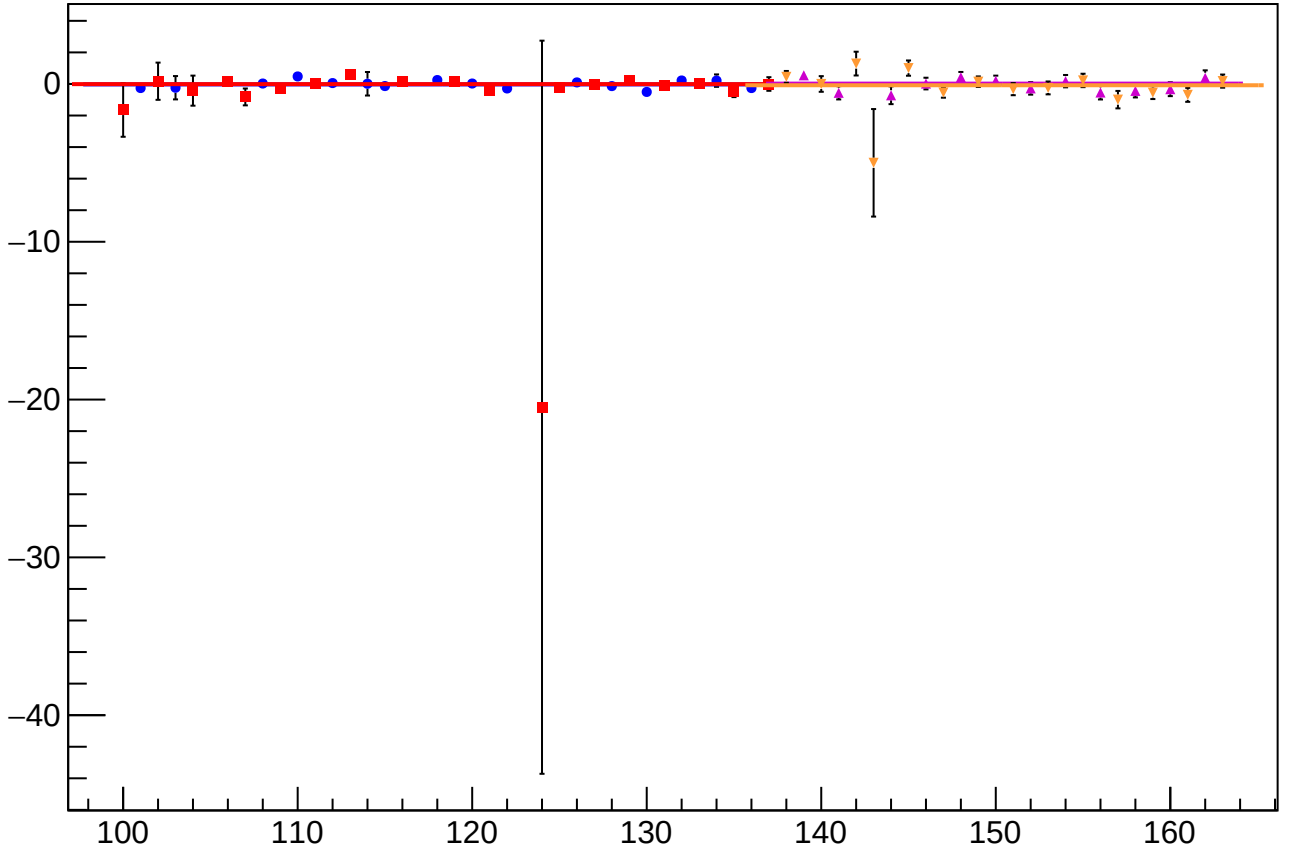
Left In: 0.000+/-0.000 χ^2/NDF:1252687.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 7656361.3/29

All: 0.000+/-0.000 χ^2/NDF: 13700518.2/60

- sign 0.000+/-0.000 χ^2/NDF: 5129679.6/30

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

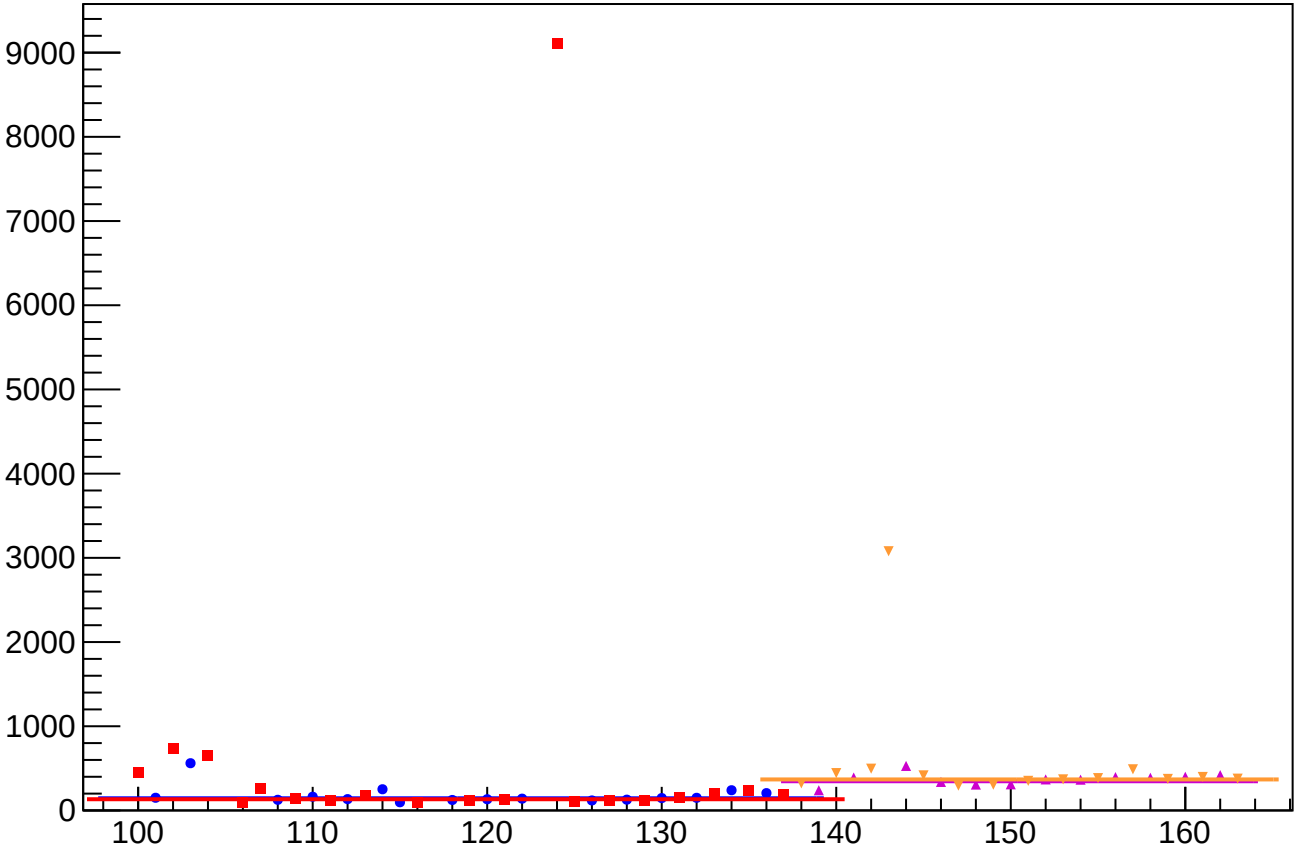
Left In: 0.022+/-0.111 χ^2/NDF:13.9/11

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.021+/-0.036 χ^2/NDF: 75.8/60

- sign -0.004+/-0.050 χ^2/NDF: 35.8/30

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

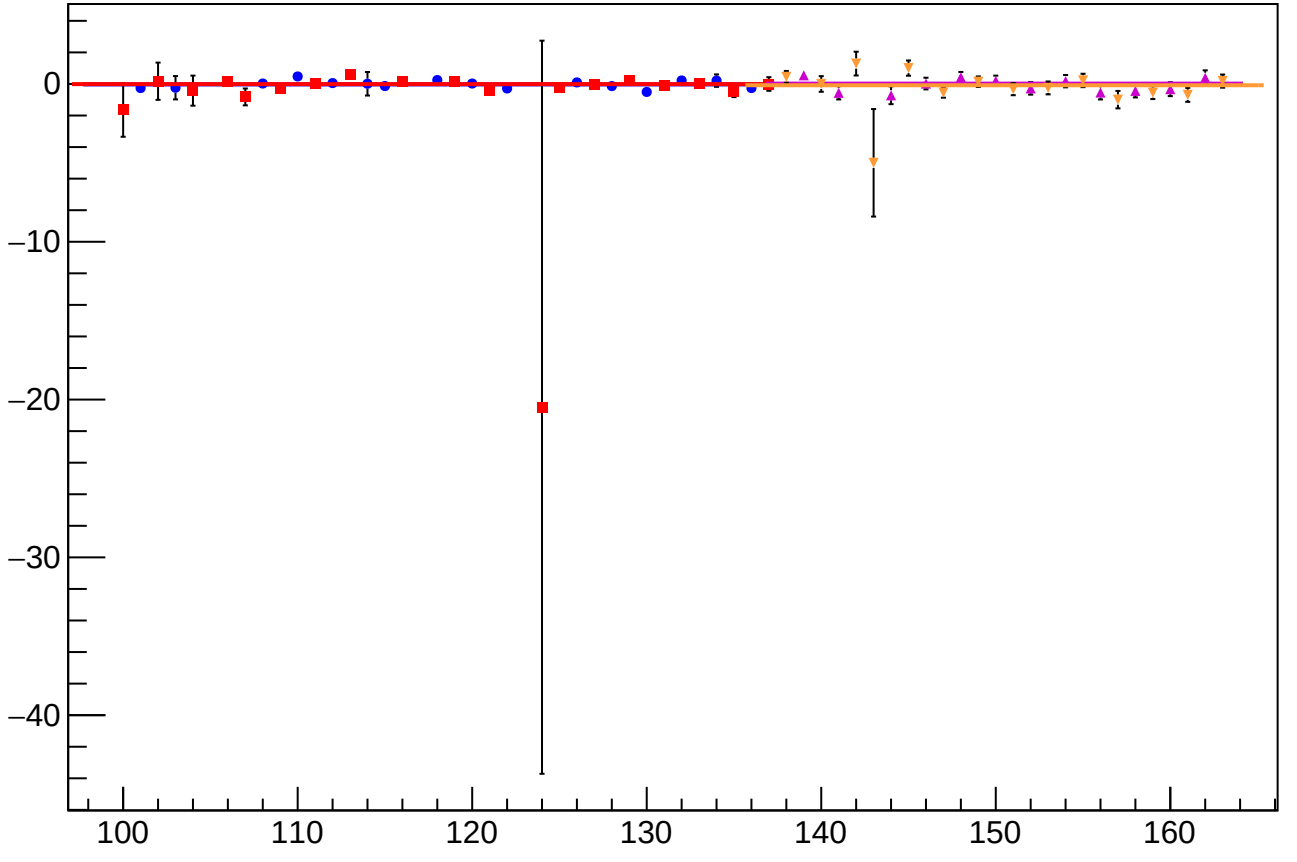
Left In: 346.960+/-0.079 χ^2/NDF:725488.0/11

+ sign 188.803+/-0.037 χ^2/NDF: 8798190.7/29

All: 182.812+/-0.026 χ^2/NDF: 17669769.8/60

- sign 177.138+/-0.036 χ^2/NDF: 8819416.0/30

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

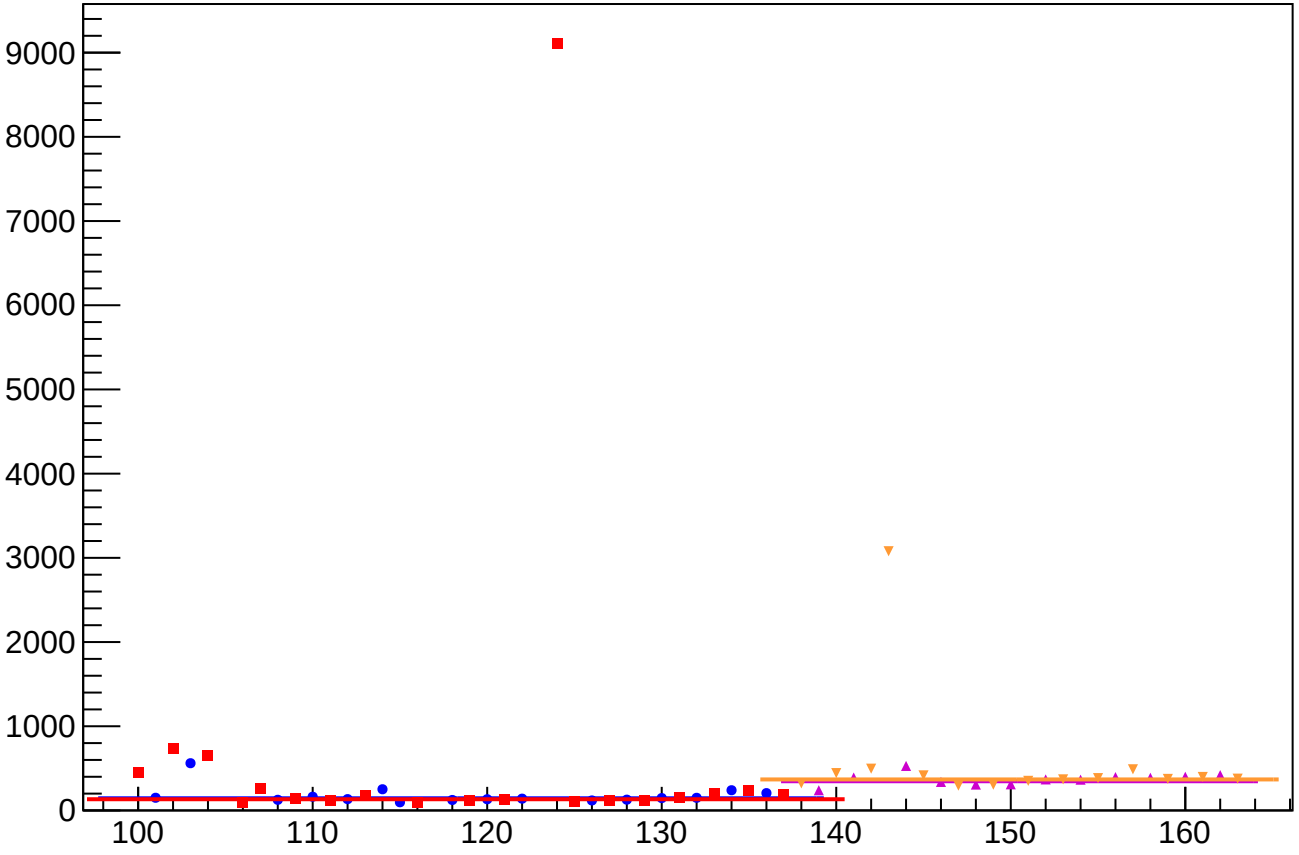
Left In: 0.022+/-0.111 χ^2/NDF:13.9/11

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.021+/-0.036 χ^2/NDF: 75.8/60

- sign -0.004+/-0.050 χ^2/NDF: 35.8/30

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: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

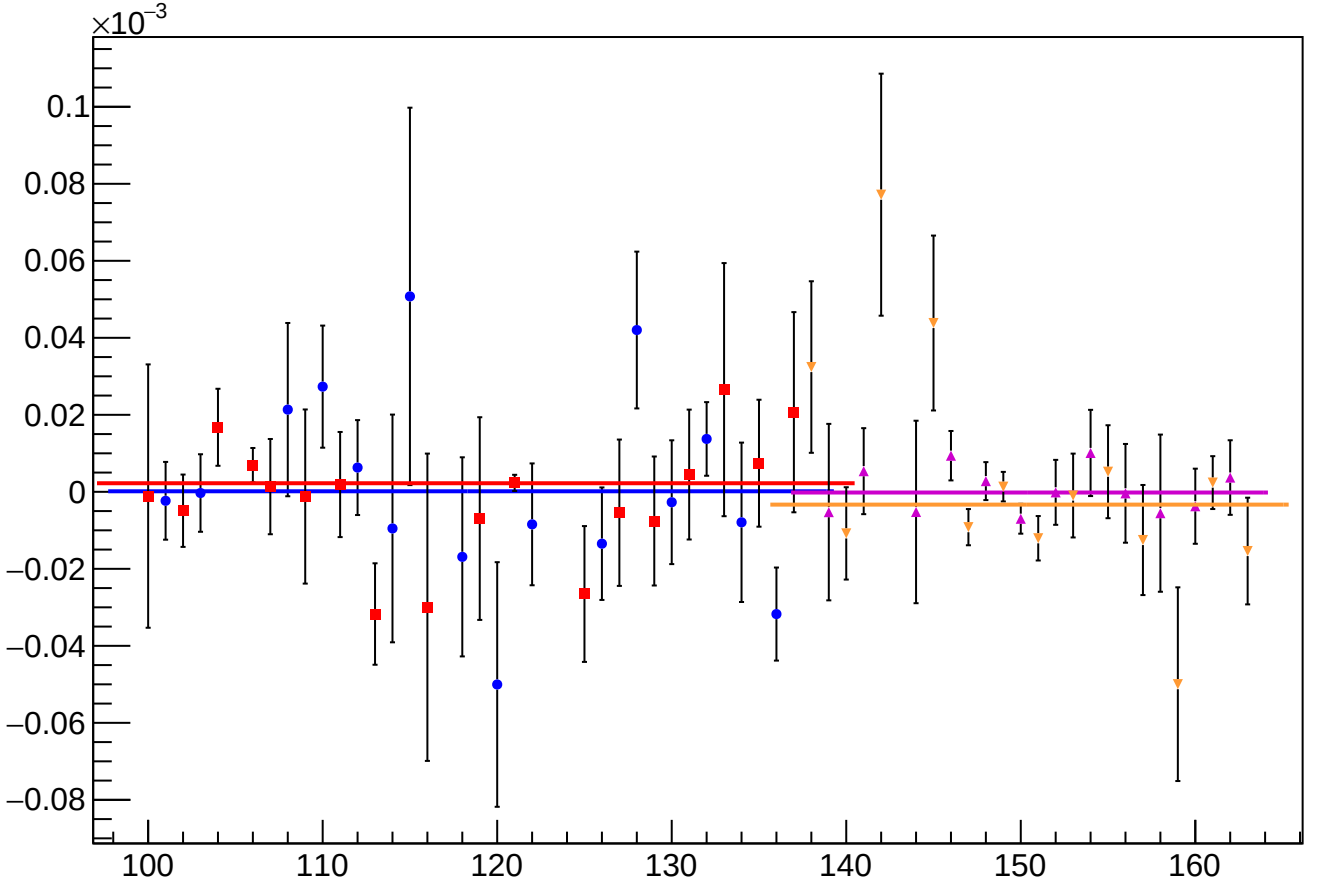
Left In: 346.960+/-0.079 χ^2/NDF:725488.0/11

+ sign 188.803+/-0.037 χ^2/NDF: 8798190.7/29

All: 182.812+/-0.026 χ^2/NDF: 17669769.8/60

- sign 177.138+/-0.036 χ^2/NDF: 8819416.0/30

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/17

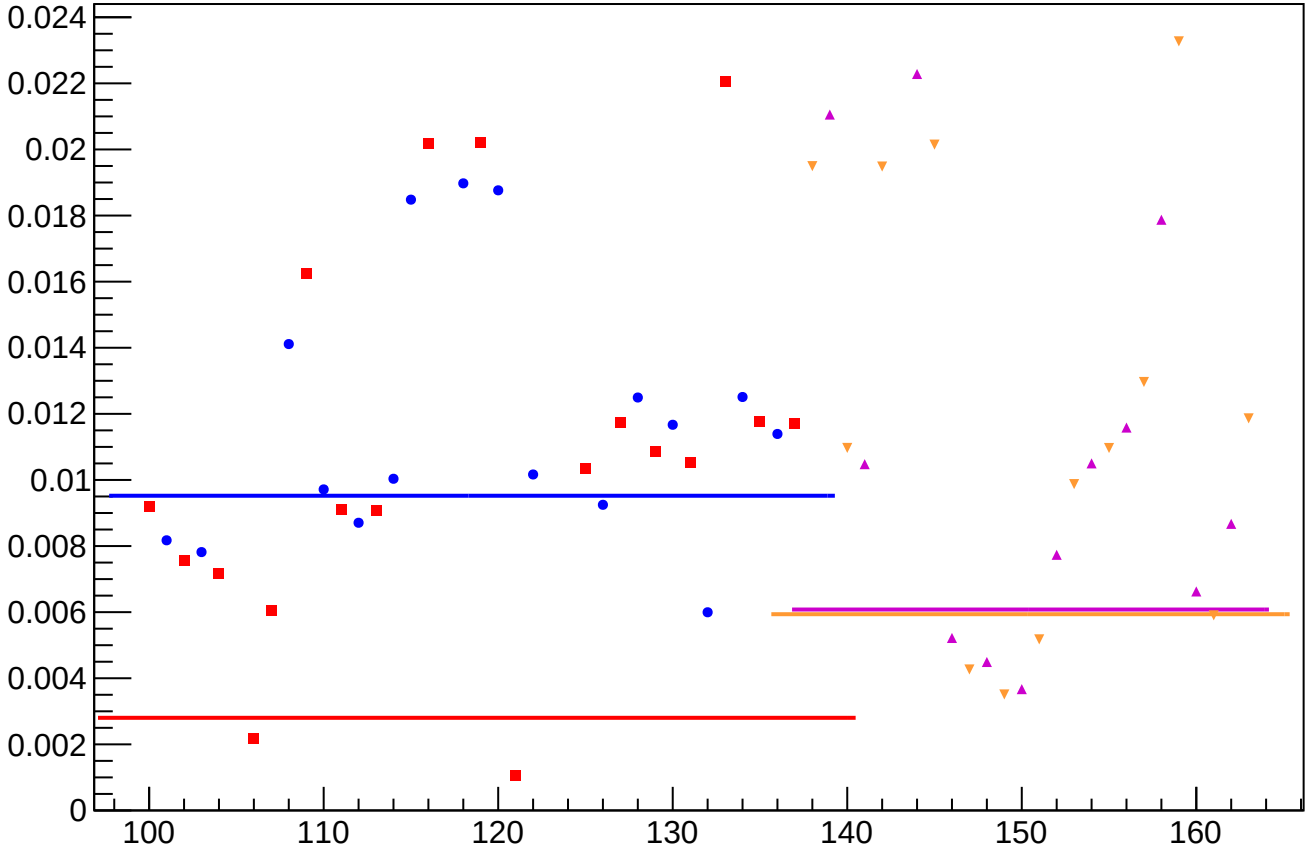
Left In: -0.000+/-0.000 χ^2/NDF:7.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/28

All: 0.000+/-0.000 χ^2/NDF: 74.5/58

- sign 0.000+/-0.000 χ^2/NDF: 23.5/29

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:5740791.5/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

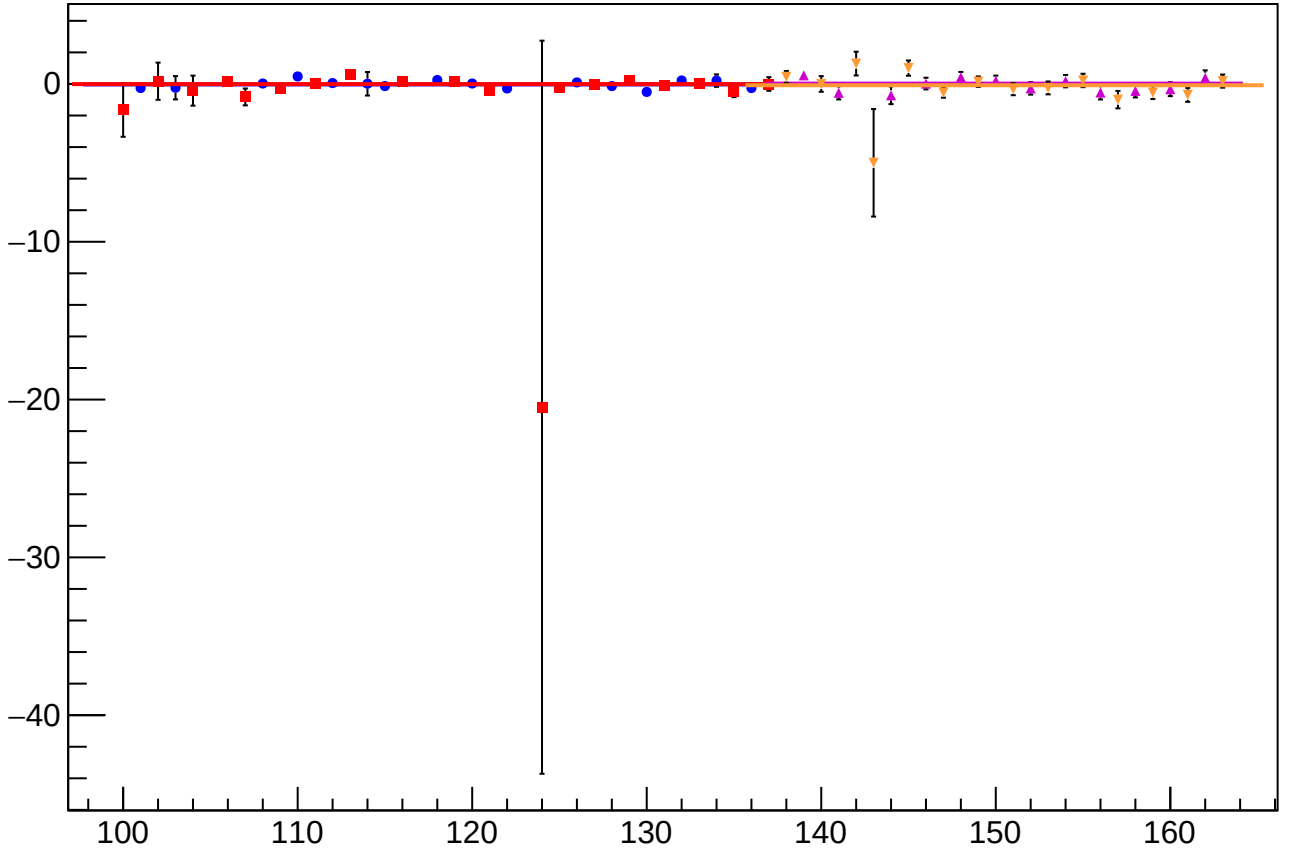
Left In: 0.006+/-0.000 χ^2/NDF:4689301.8/11

+ sign 0.007+/-0.000 χ^2/NDF: 8230257.2/28

All: 0.005+/-0.000 χ^2/NDF: 27124430.8/58

- sign 0.004+/-0.000 χ^2/NDF: 15916091.0/29

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

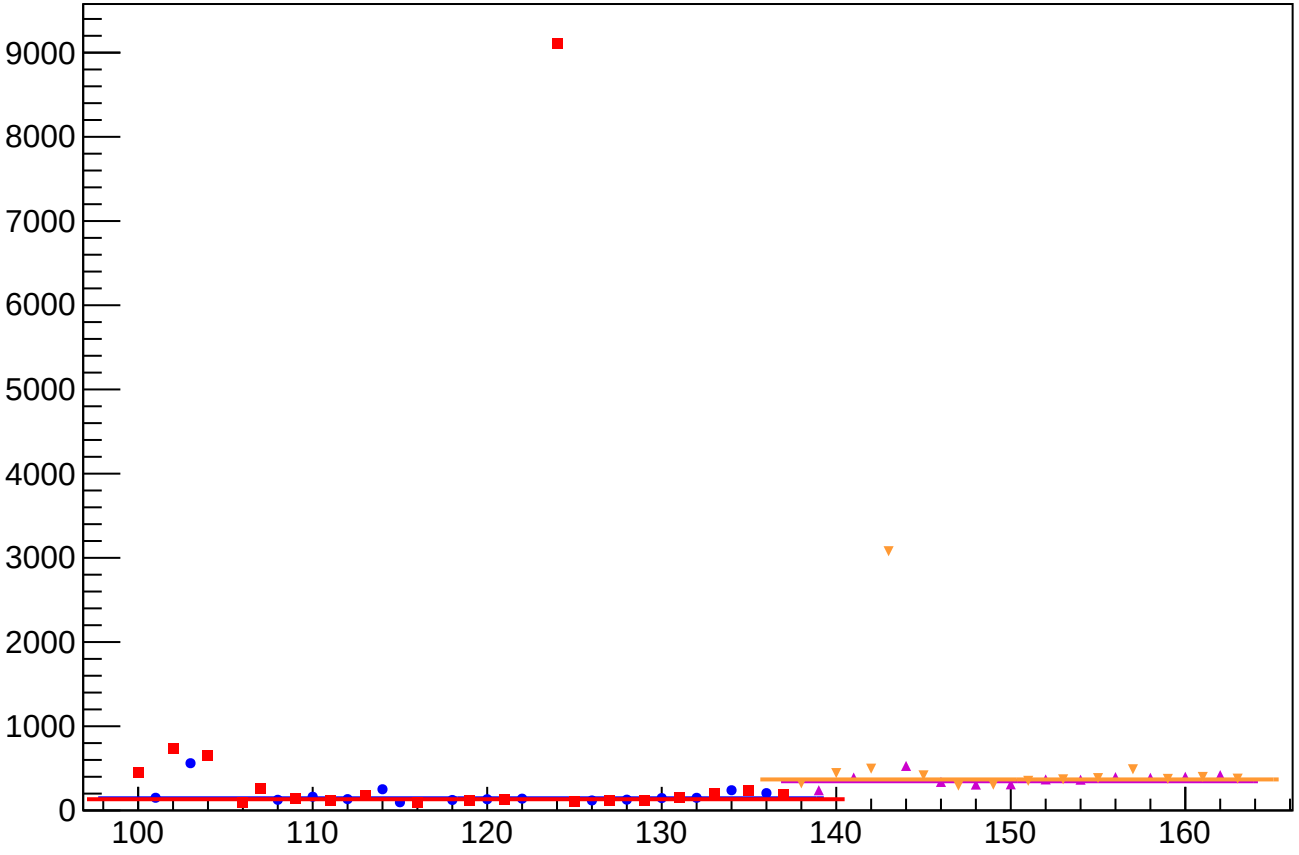
Left In: 0.022+/-0.111 χ^2/NDF:13.9/11

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.021+/-0.036 χ^2/NDF: 75.8/60

- sign -0.004+/-0.050 χ^2/NDF: 35.8/30

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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

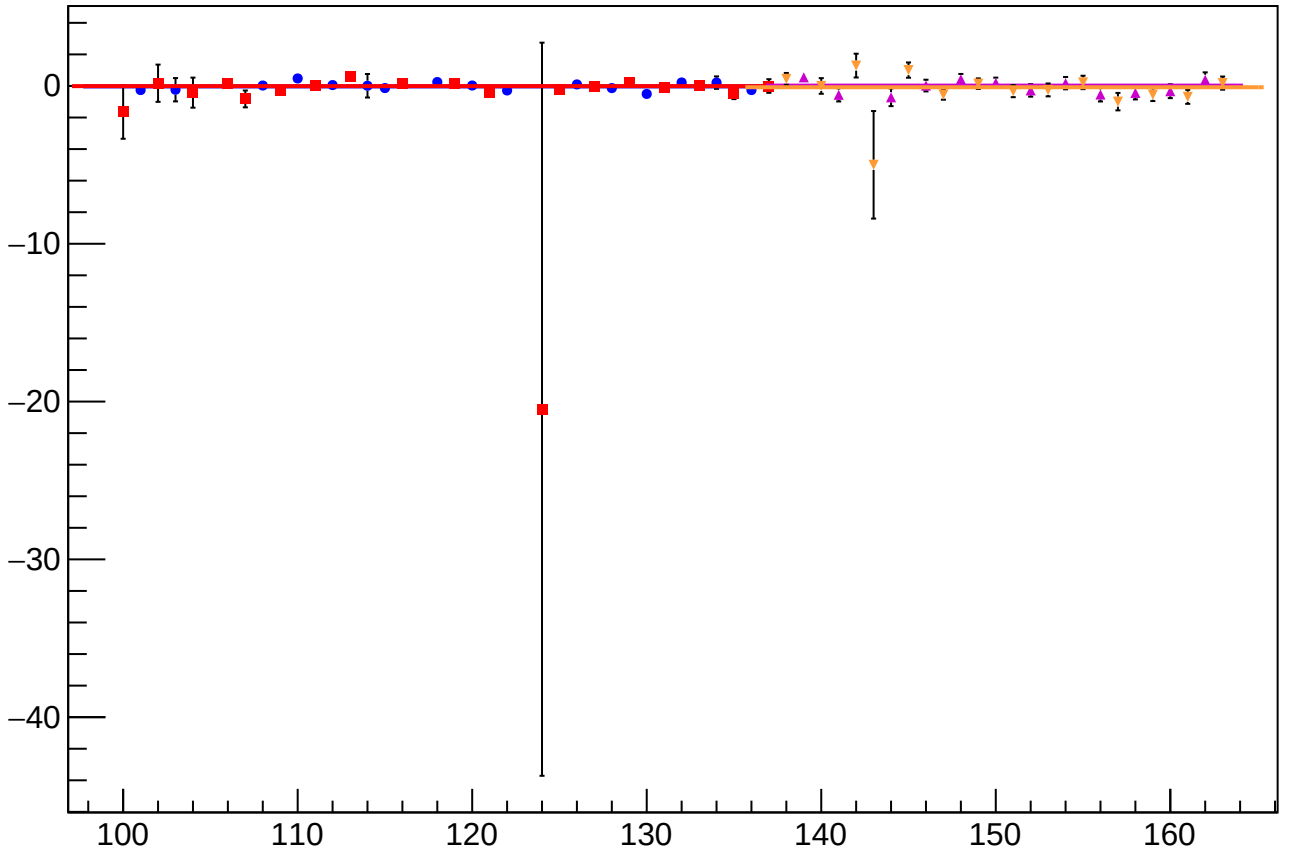
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.965+/-0.079 χ^2/NDF:725483.3/11

+ sign 188.802+/-0.037 χ^2/NDF: 8798470.0/29

All: 182.810+/-0.026 χ^2/NDF: 17670195.7/60

- sign 177.137+/-0.036 χ^2/NDF: 8819570.3/30



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

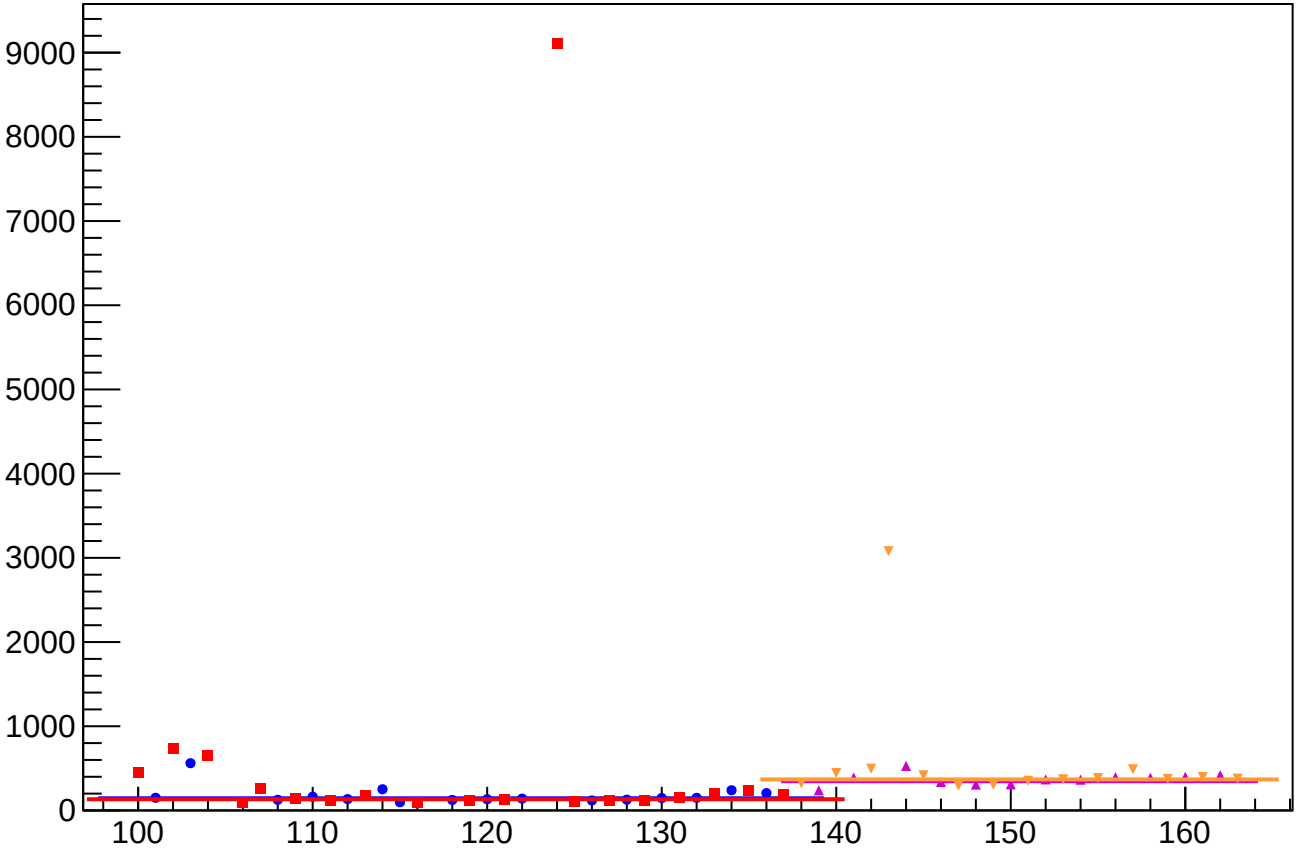
Left In: 0.022+/-0.111 χ^2/NDF:13.9/11

+ sign -0.039+/-0.052 χ^2/NDF: 39.8/29

All: -0.021+/-0.036 χ^2/NDF: 75.8/60

- sign -0.004+/-0.050 χ^2/NDF: 35.8/30

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 368.425+/-0.082 χ^2/NDF:1702565.4/13

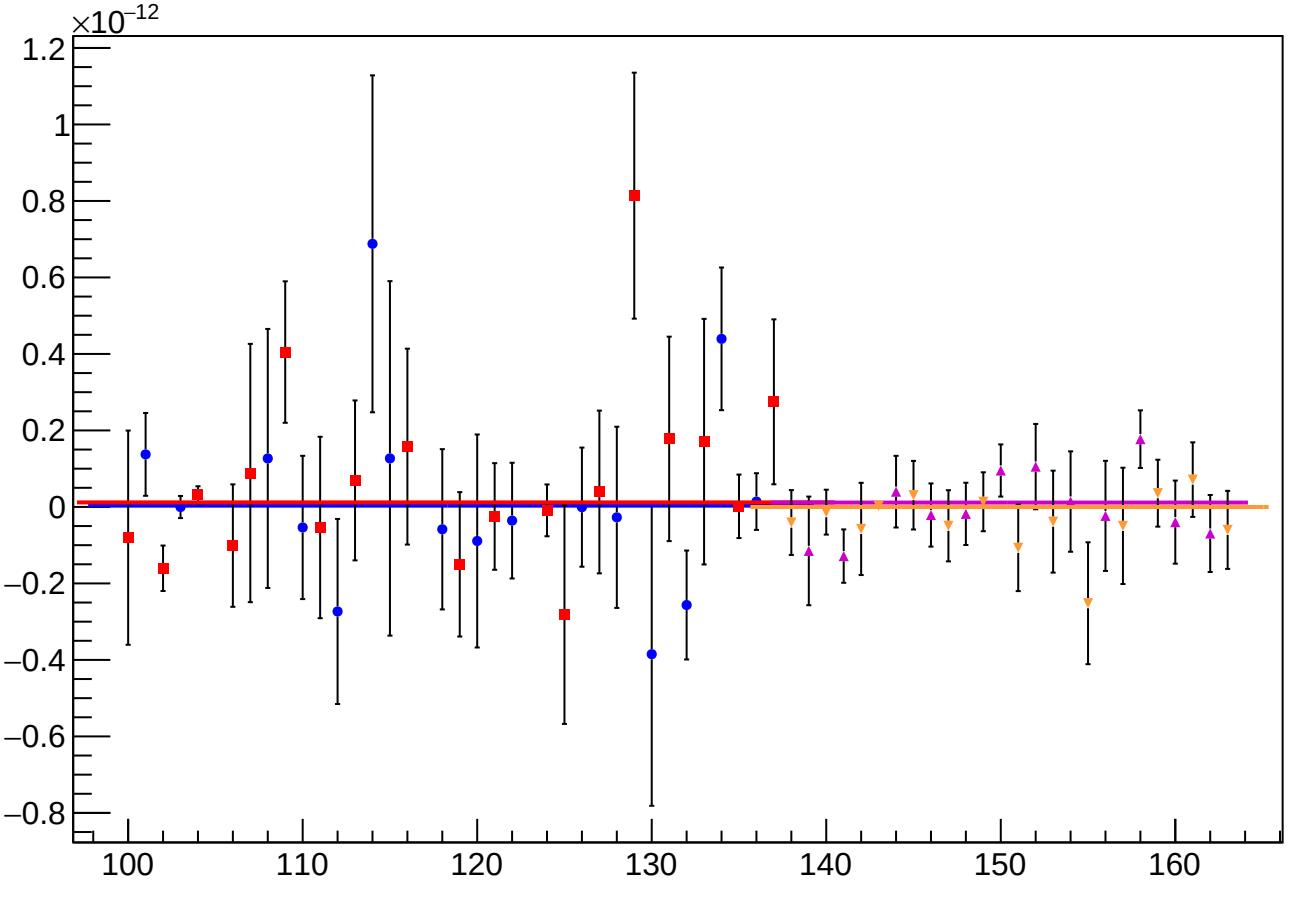
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.965+/-0.079 χ^2/NDF:725483.3/11

+ sign 188.802+/-0.037 χ^2/NDF: 8798470.0/29

All: 182.810+/-0.026 χ^2/NDF: 17670195.7/60

- sign 177.137+/-0.036 χ^2/NDF: 8819570.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

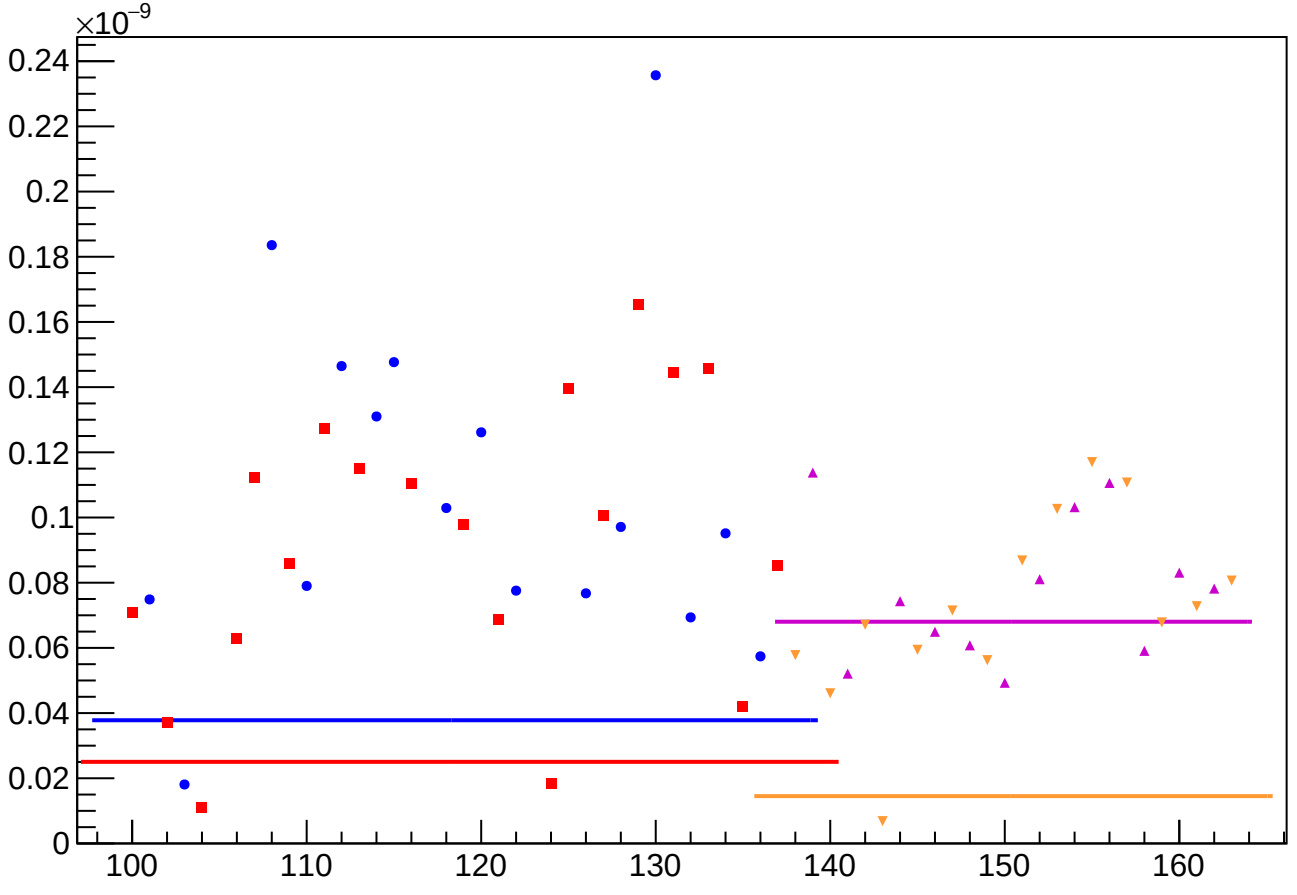
Left In: 0.000+/-0.000 χ^2/NDF:13.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/29

All: 0.000+/-0.000 χ^2/NDF: 60.0/60

- sign 0.000+/-0.000 χ^2/NDF: 38.3/30

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:10102613.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

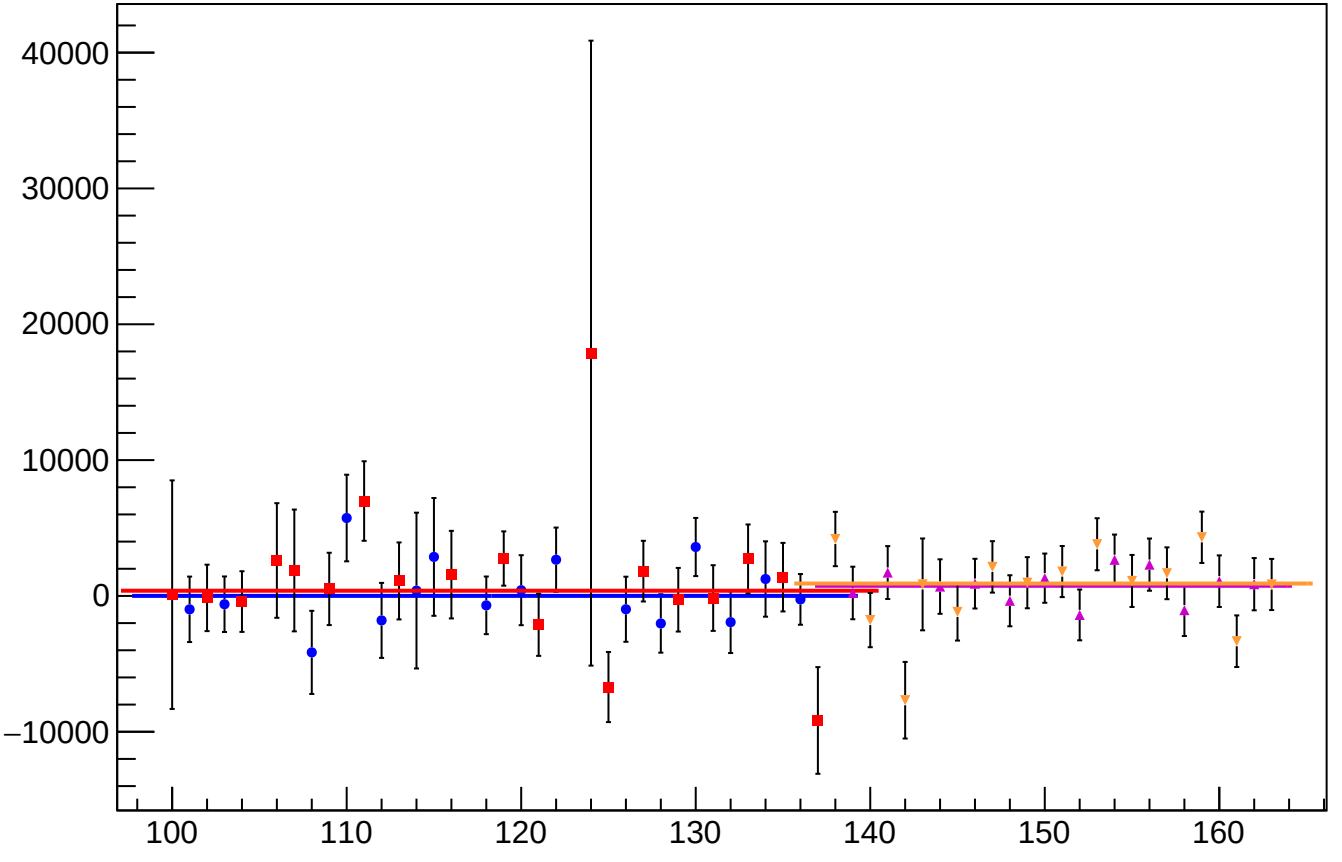
Left In: 0.000+/-0.000 χ^2/NDF:922932.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 15687359.9/29

All: 0.000+/-0.000 χ^2/NDF: 27884729.2/60

- sign 0.000+/-0.000 χ^2/NDF: 9163683.7/30

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.374+/-539.034 χ^2/NDF:26.1/13

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

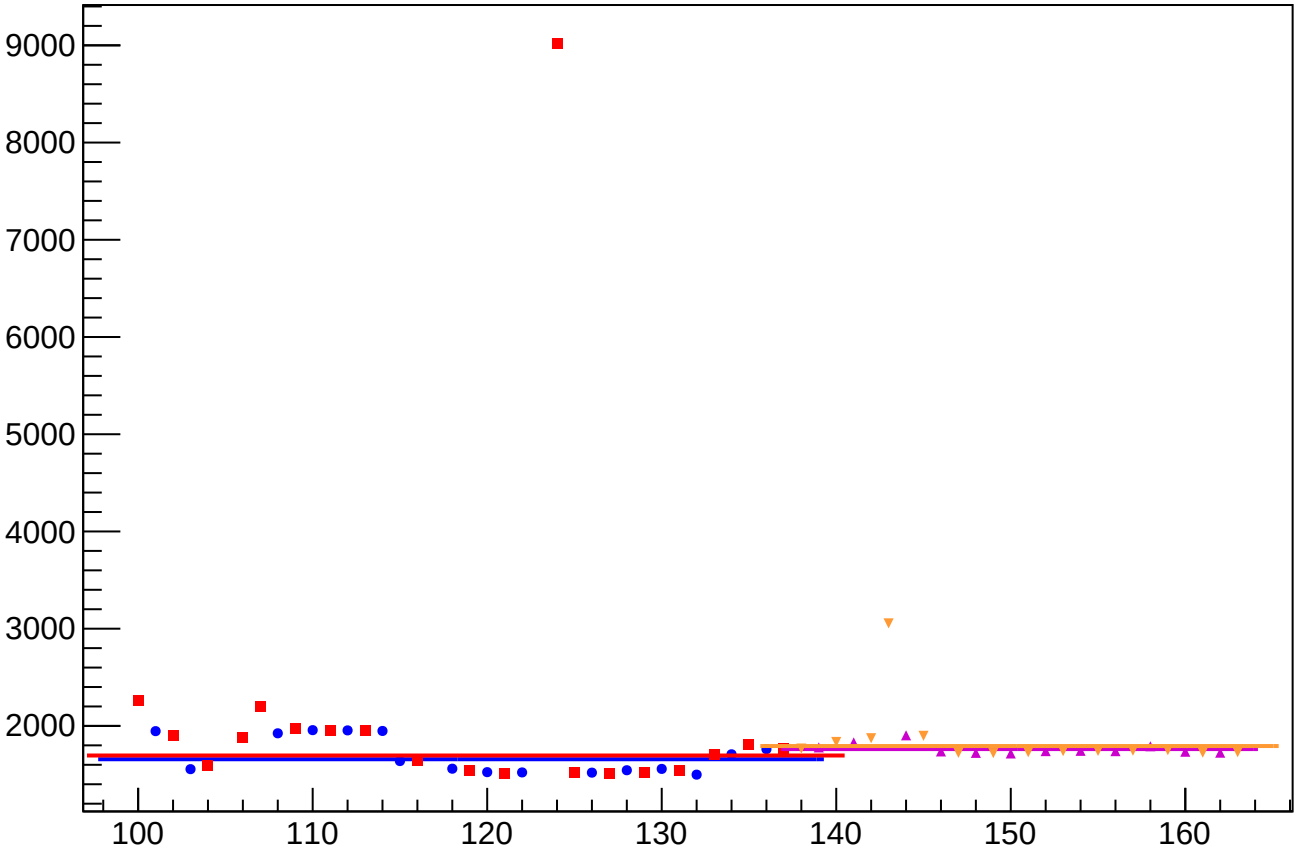
Left In: 747.943+/-547.472 χ^2/NDF:4.7/11

+ sign 521.996+/-406.763 χ^2/NDF: 39.8/29

All: 556.710+/-290.244 χ^2/NDF: 68.7/60

- sign 592.718+/-414.274 χ^2/NDF: 29.0/30

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

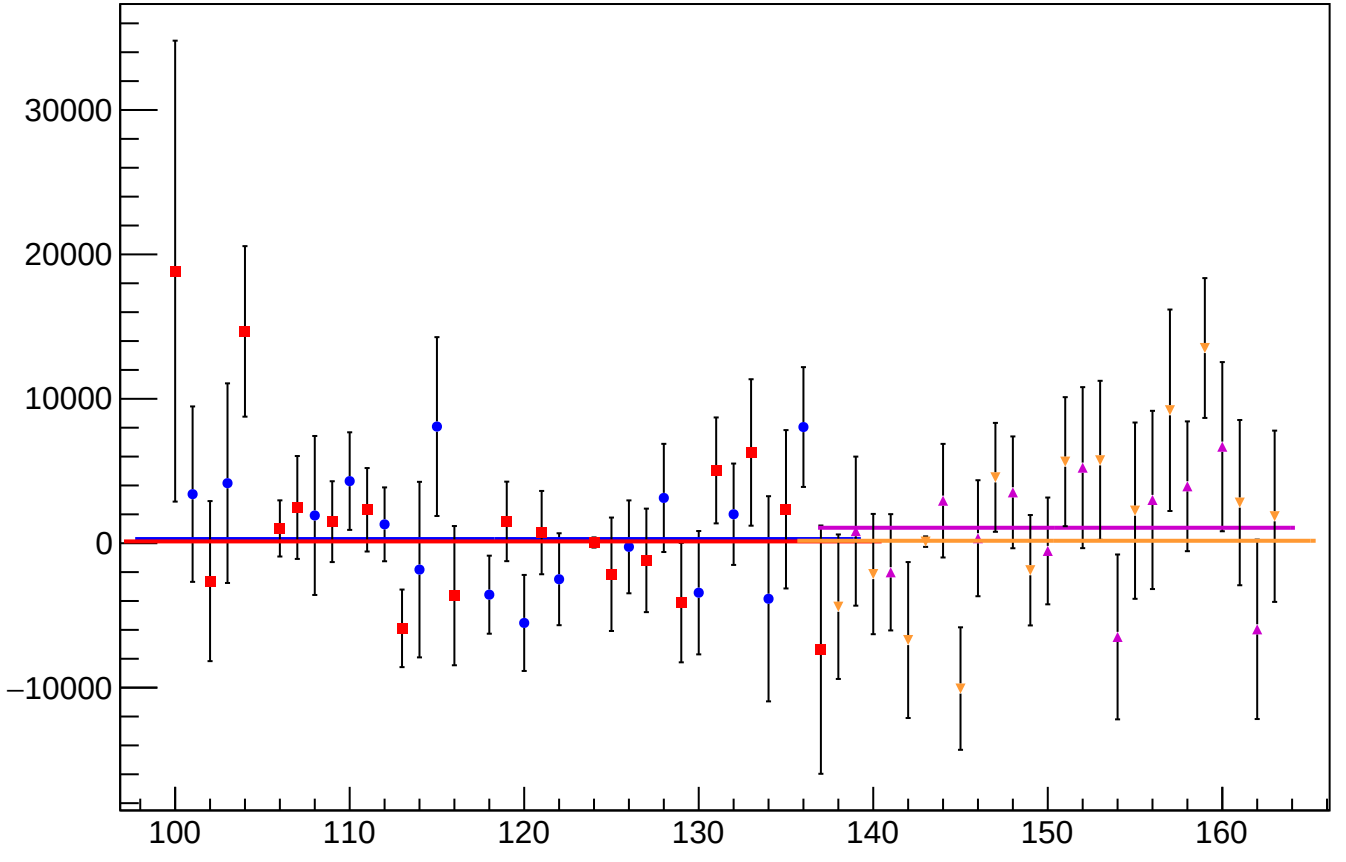
Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.4/29

All: 1733.879+/-0.205 χ^2/NDF: 919057.2/60

- sign 1733.295+/-0.292 χ^2/NDF: 416032.0/30

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 170.012+/-351.351 χ^2/NDF:22.5/13

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

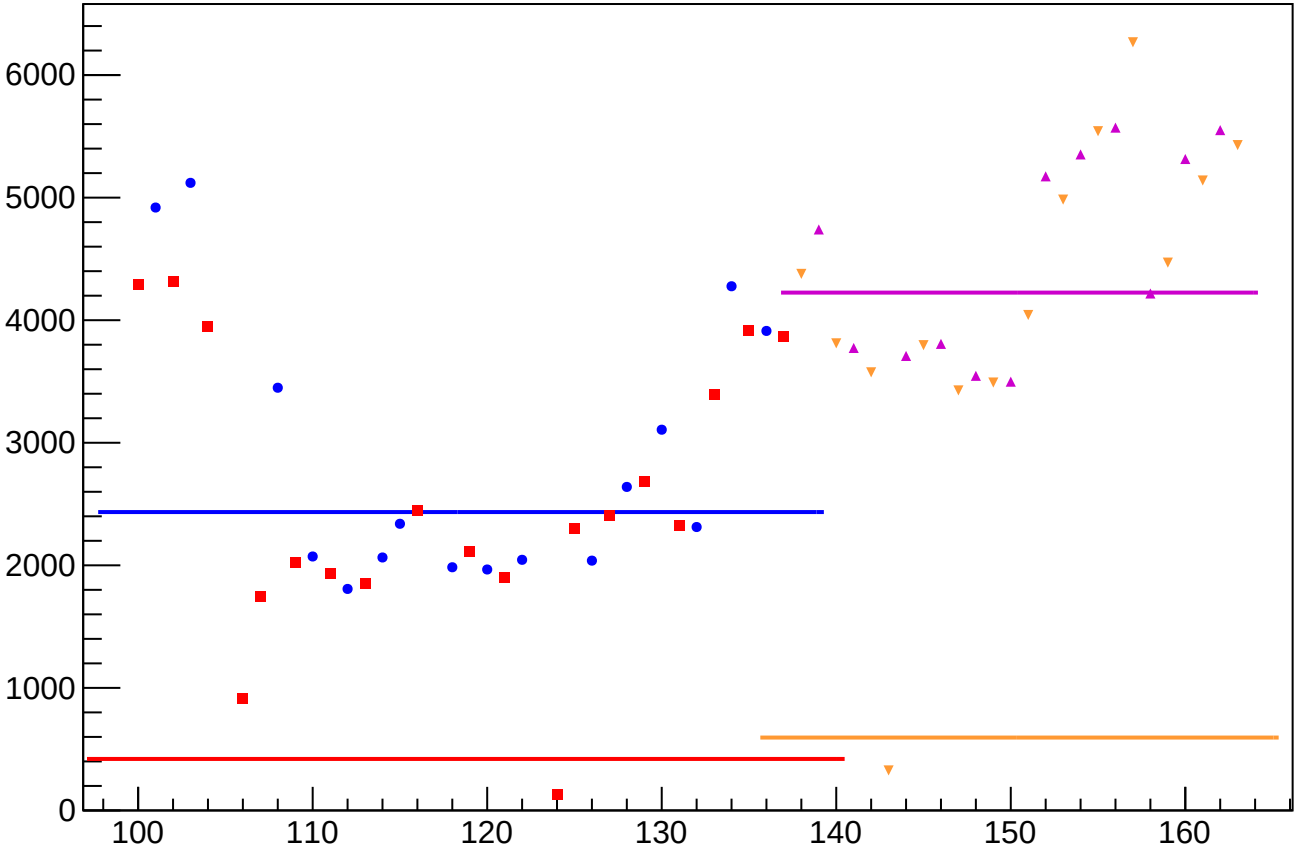
Left In: 1070.651+/-1337.001 χ^2/NDF:6.5/11

+ sign 184.071+/-329.991 χ^2/NDF: 37.7/29

All: 180.849+/-227.712 χ^2/NDF: 65.5/60

- sign 177.920+/-314.624 χ^2/NDF: 27.8/30

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 594.786+/-0.248 χ^2/NDF:16417548.2/13

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

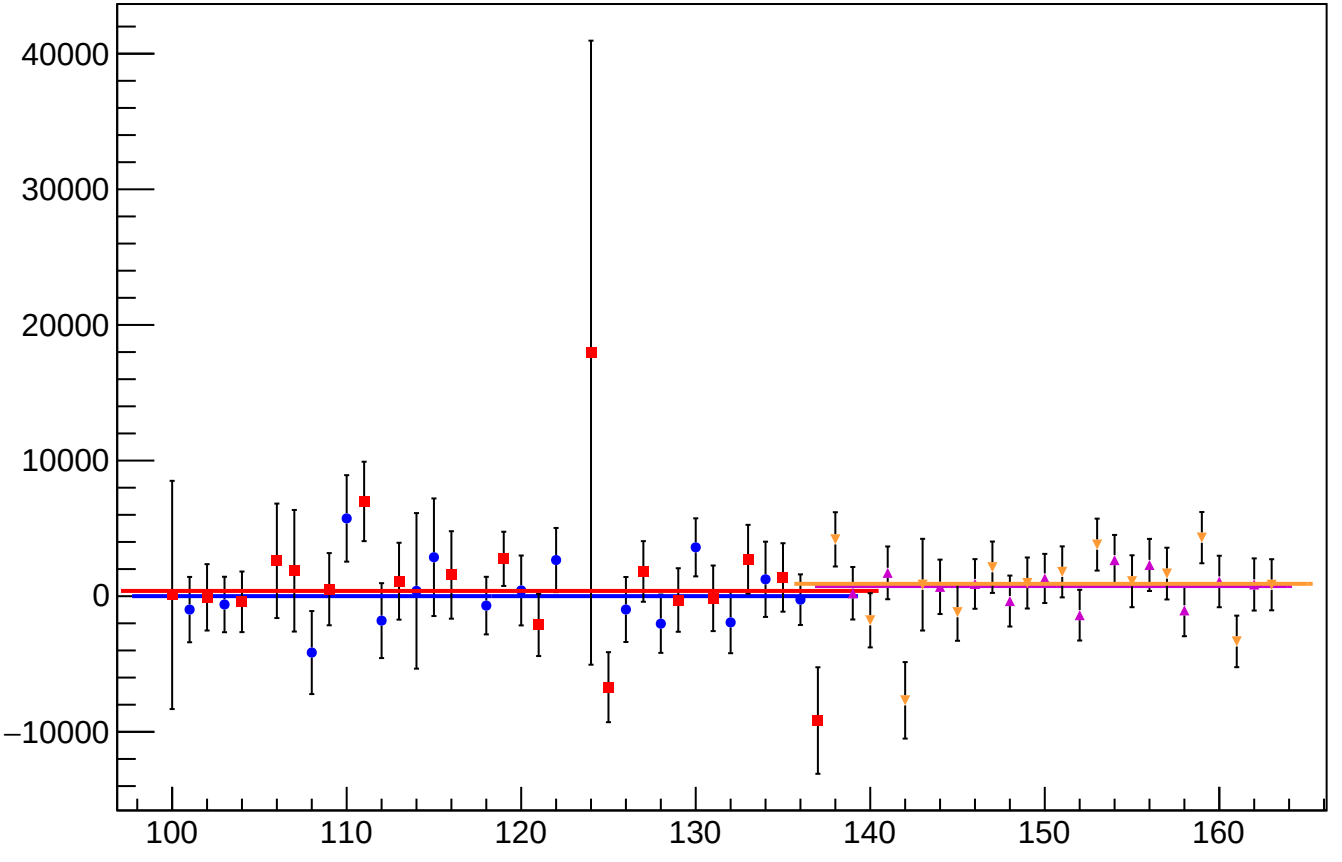
Left In: 4225.152+/-0.945 χ^2/NDF:631518.4/11

+ sign 811.689+/-0.233 χ^2/NDF: 24340506.5/29

All: 717.034+/-0.161 χ^2/NDF: 51650540.1/60

- sign 630.989+/-0.222 χ^2/NDF: 26995891.1/30

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

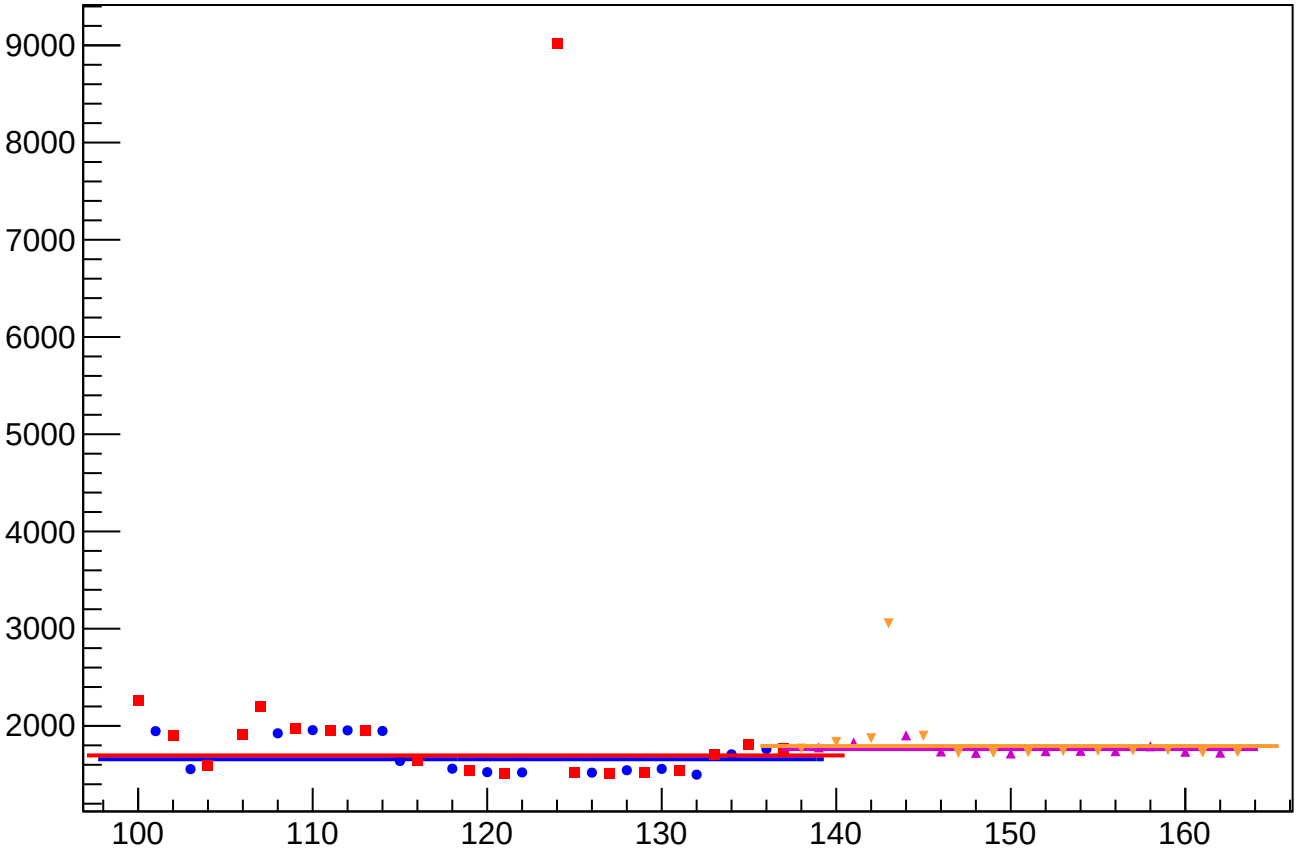
Left In: 747.930+/-547.472 χ^2/NDF:4.7/11

+ sign 521.908+/-406.763 χ^2/NDF: 39.8/29

All: 557.564+/-290.245 χ^2/NDF: 68.7/60

- sign 594.549+/-414.276 χ^2/NDF: 29.0/30

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

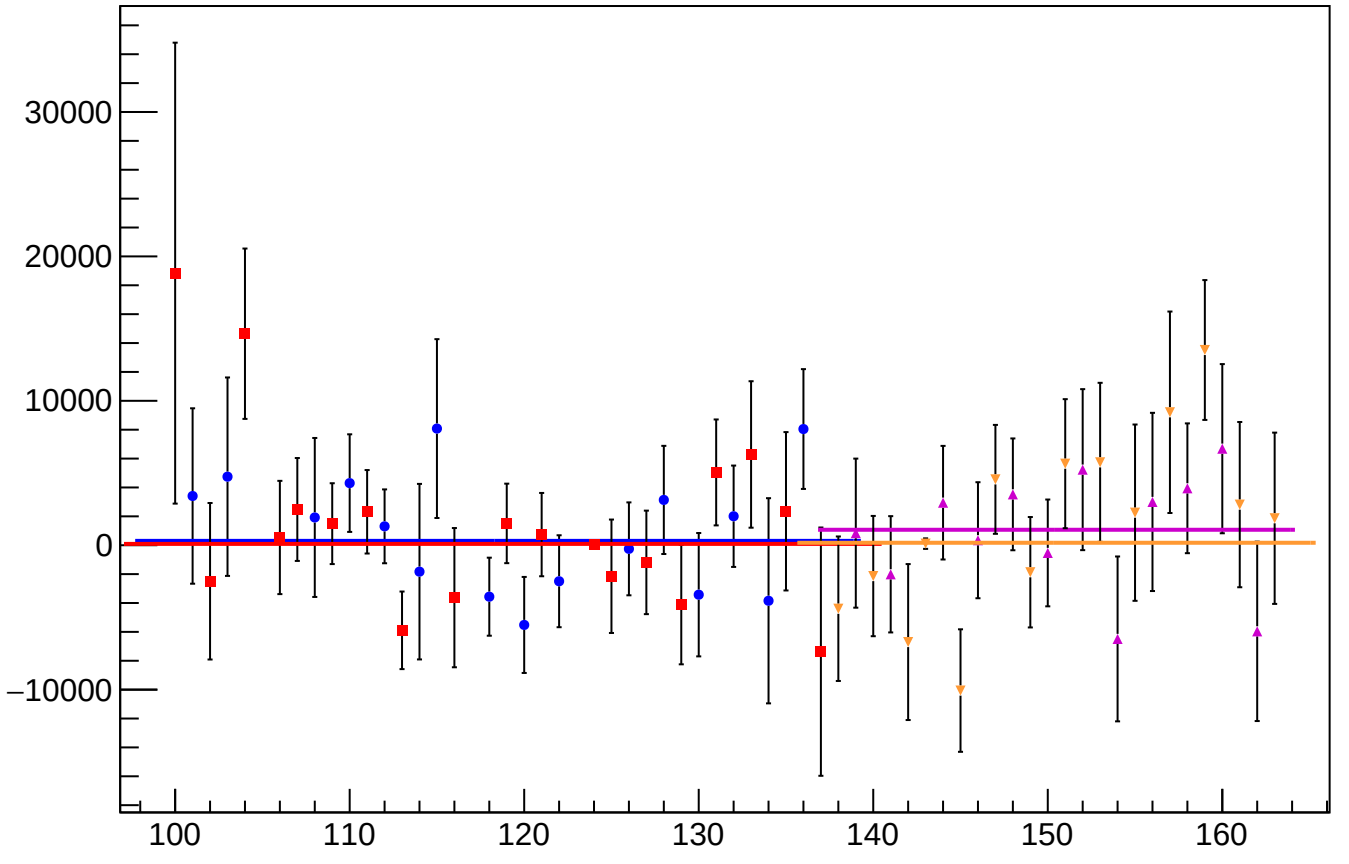
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.6/29

All: 1734.054+/-0.205 χ^2/NDF: 920506.3/60

- sign 1733.651+/-0.292 χ^2/NDF: 417485.0/30



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

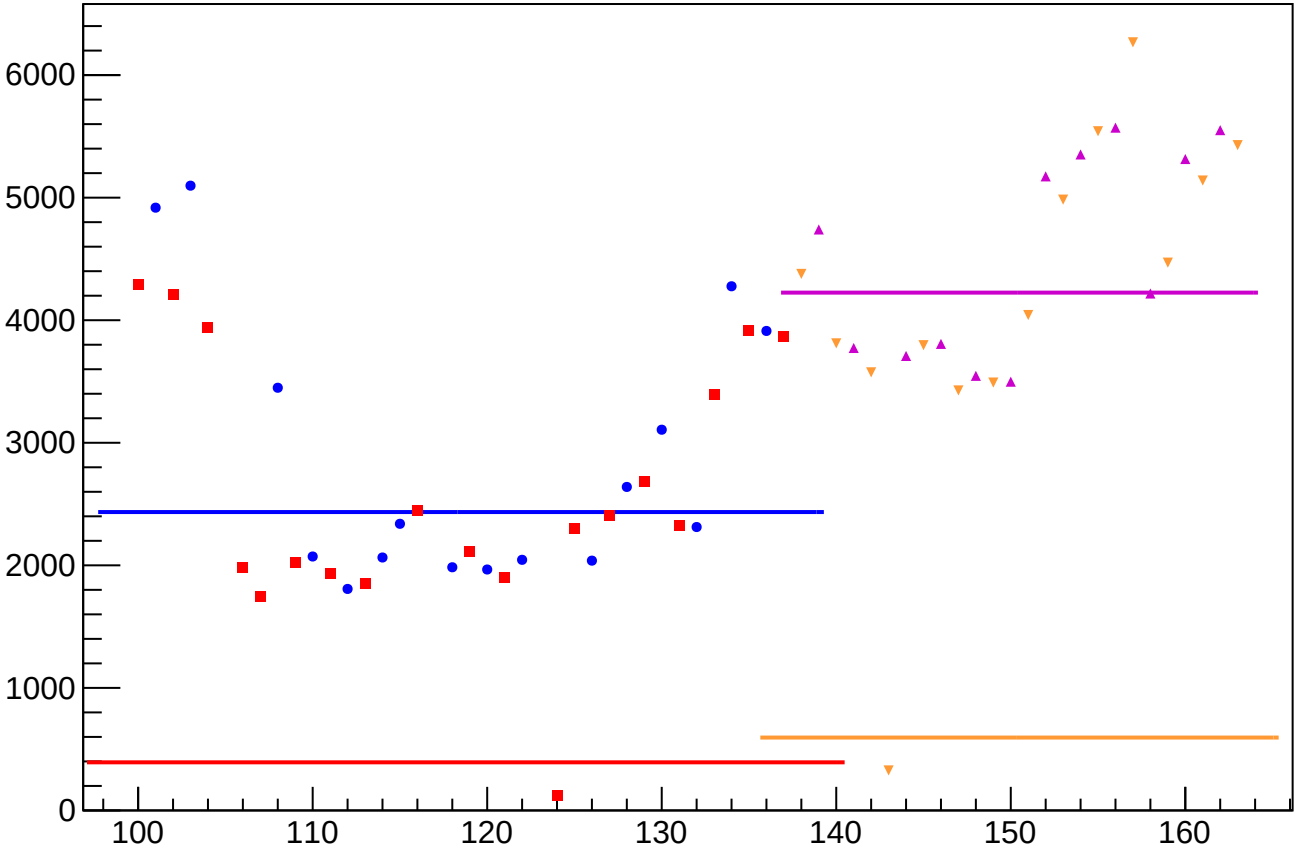
Left In: 1070.664+/-1337.000 χ^2/NDF:6.5/11

+ sign 185.936+/-329.965 χ^2/NDF: 37.8/29

All: 163.442+/-224.881 χ^2/NDF: 65.4/60

- sign 143.932+/-307.304 χ^2/NDF: 27.6/30

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

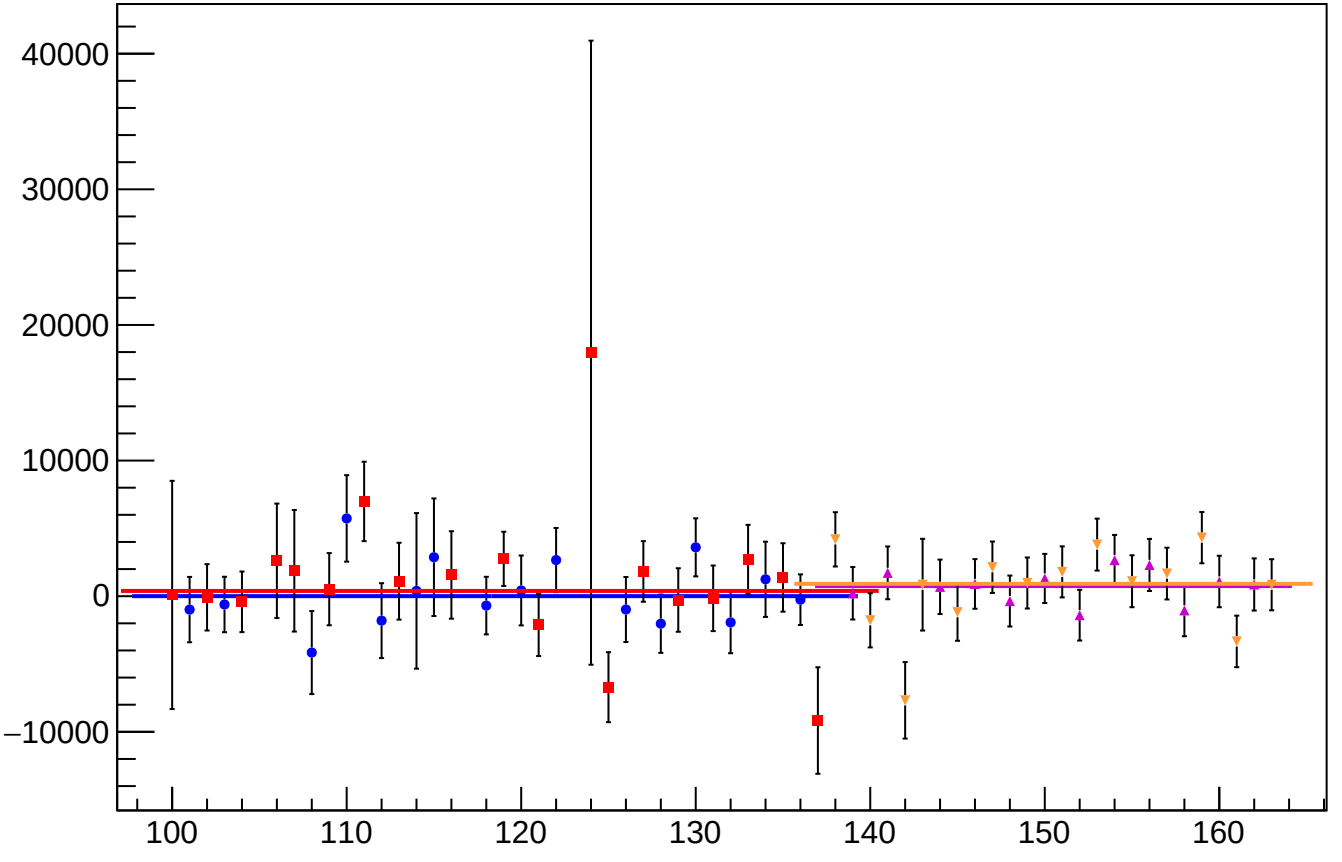
Left In: 4225.149+/-0.945 χ^2/NDF:631510.1/11

+ sign 811.669+/-0.233 χ^2/NDF: 24342350.2/29

All: 695.710+/-0.159 χ^2/NDF: 52408363.4/60

- sign 595.132+/-0.217 χ^2/NDF: 27604768.4/30

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

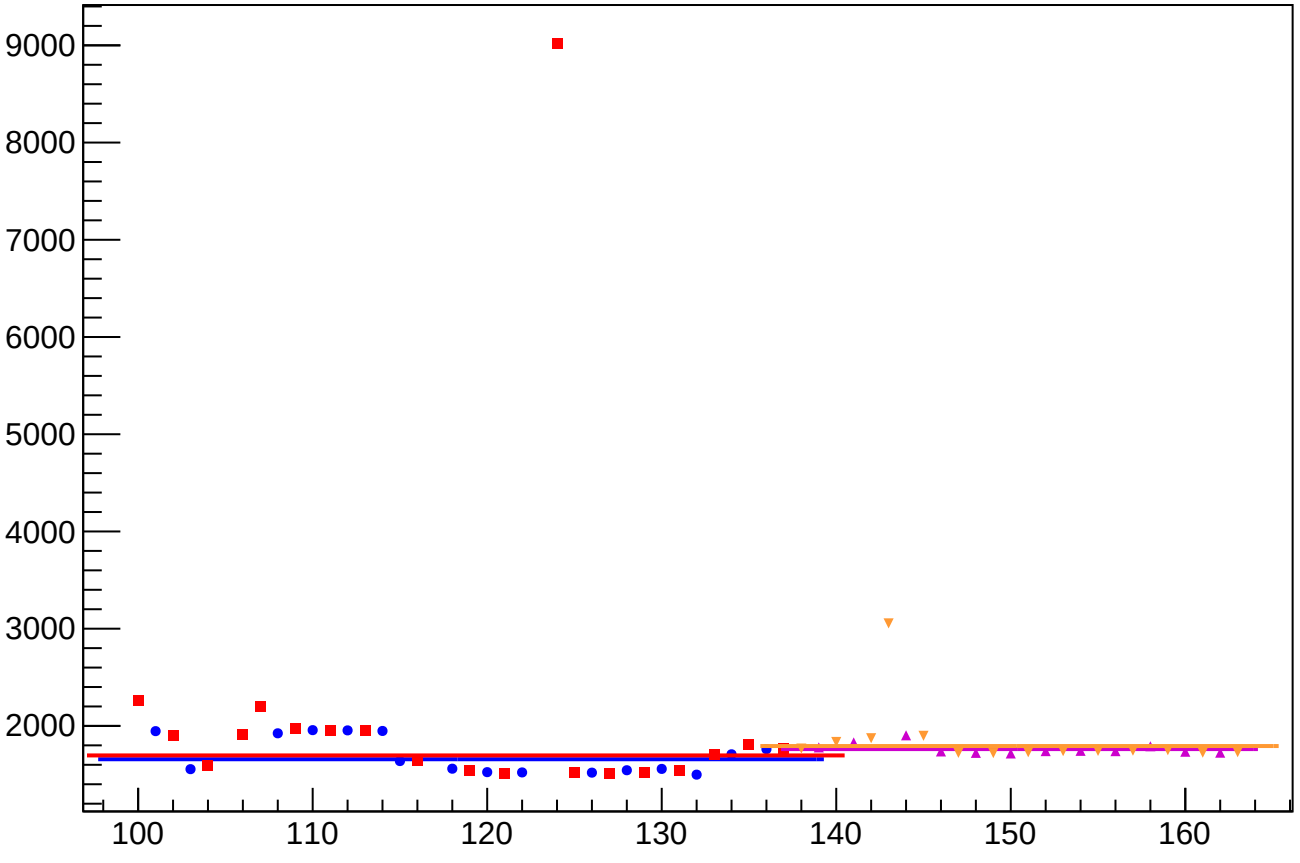
Left In: 747.930+/-547.472 χ^2/NDF:4.7/11

+ sign 521.908+/-406.763 χ^2/NDF: 39.8/29

All: 557.564+/-290.245 χ^2/NDF: 68.7/60

- sign 594.549+/-414.276 χ^2/NDF: 29.0/30

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

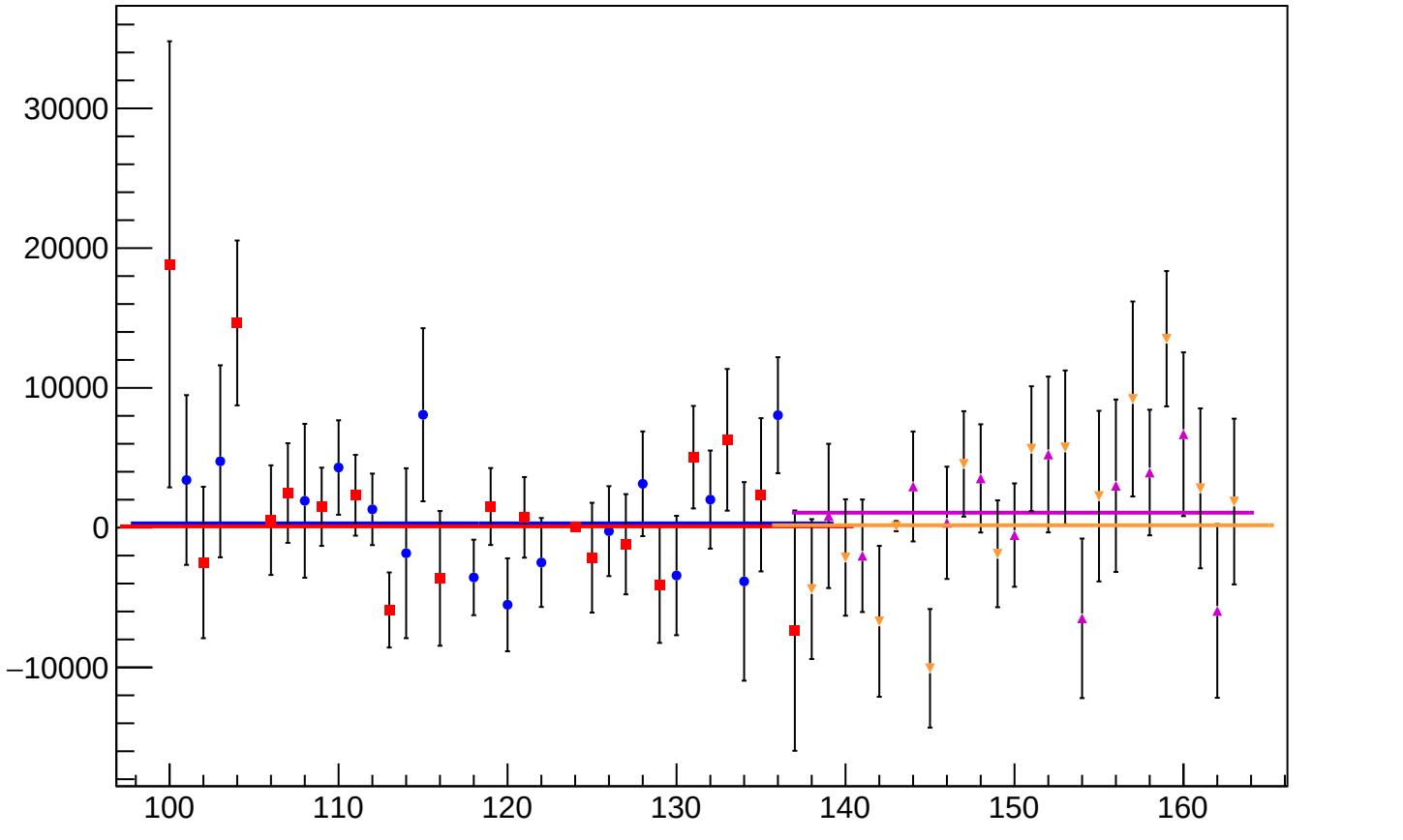
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

+ sign 1734.445+/-0.288 χ^2/NDF: 503017.6/29

All: 1734.054+/-0.205 χ^2/NDF: 920506.3/60

- sign 1733.651+/-0.292 χ^2/NDF: 417485.0/30



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

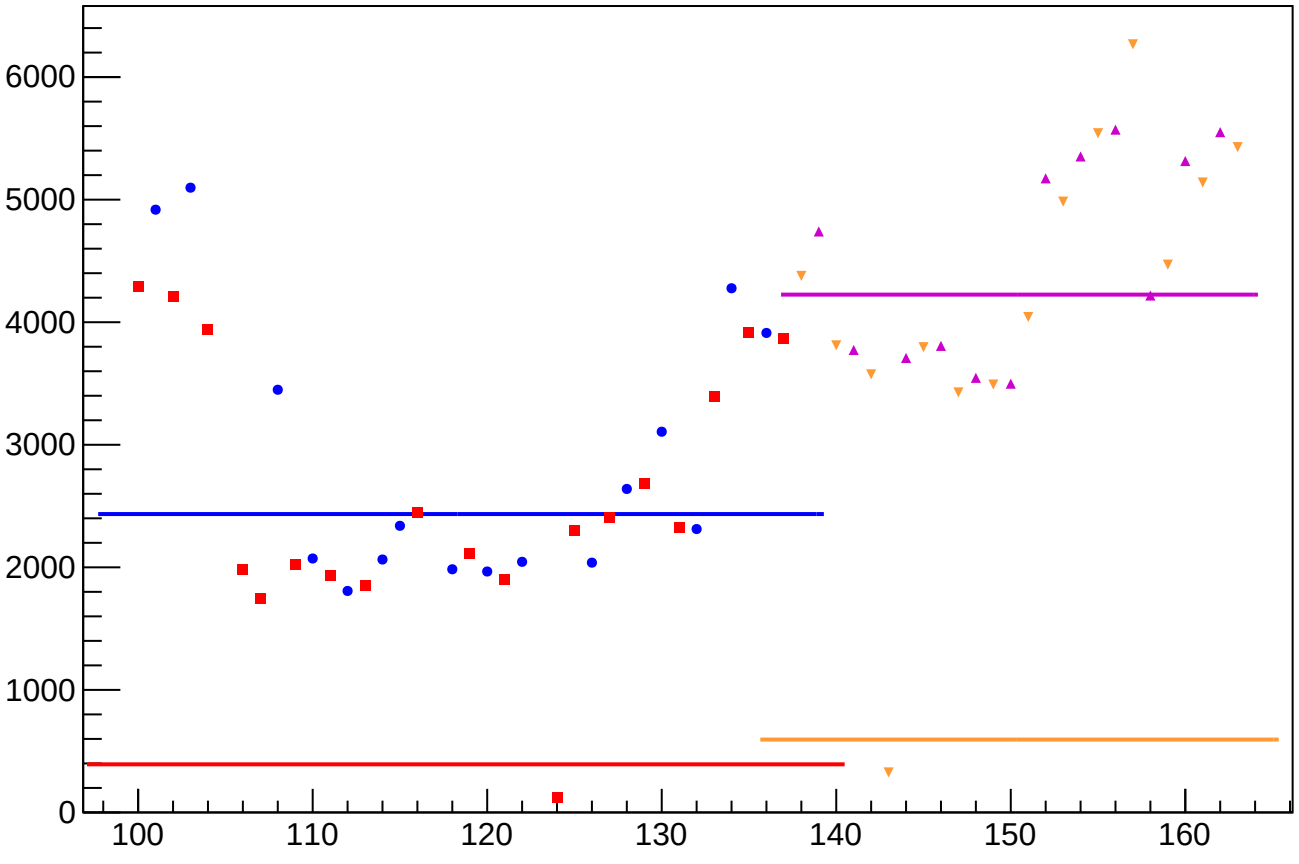
Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: 1070.664+/-1337.000 χ^2/NDF:6.5/11

+ sign 185.936+/-329.965 χ^2/NDF: 37.8/29

All: 163.442+/-224.881 χ^2/NDF: 65.4/60

- sign 143.932+/-307.304 χ^2/NDF: 27.6/30



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

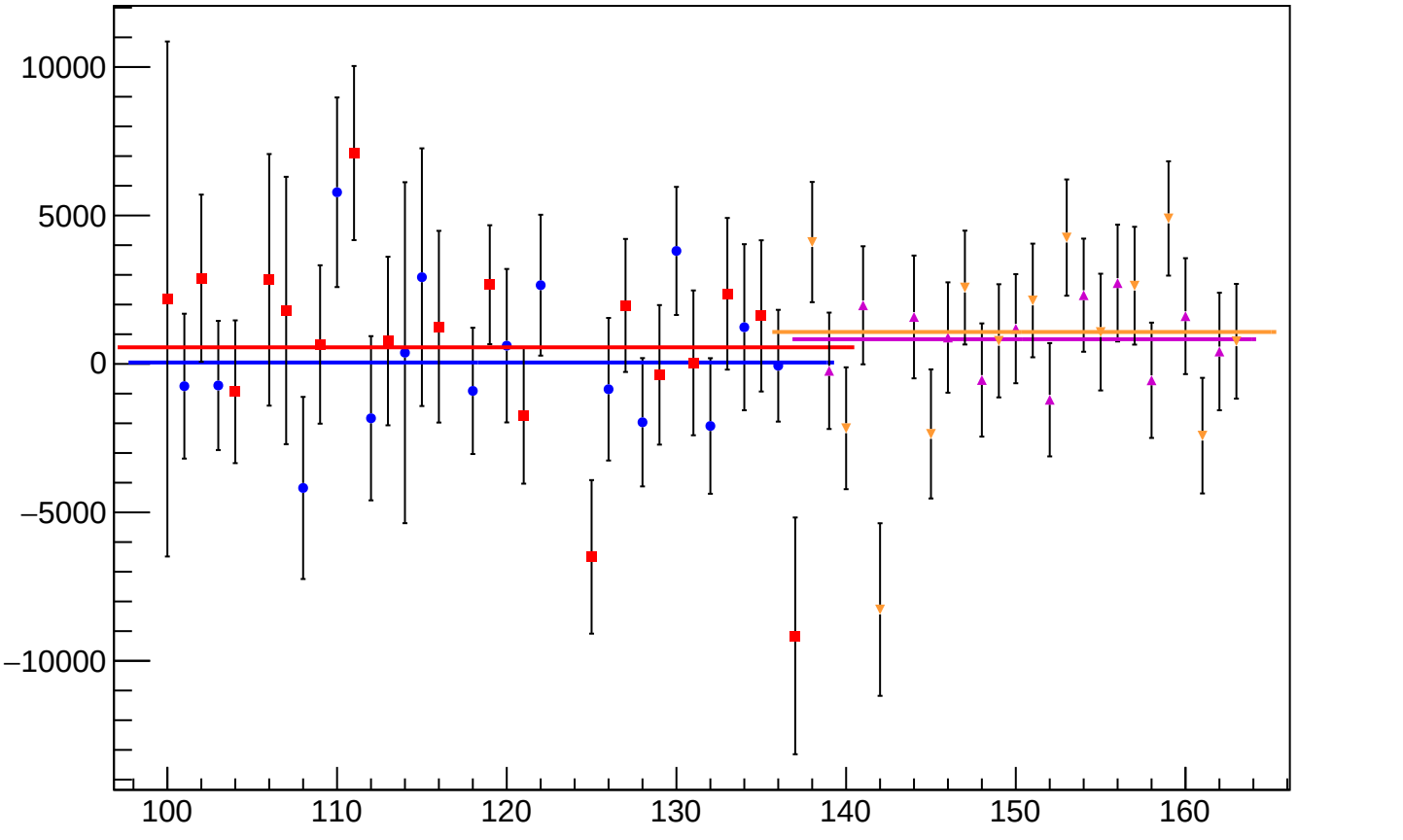
Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4225.149+/-0.945 χ^2/NDF:631510.1/11

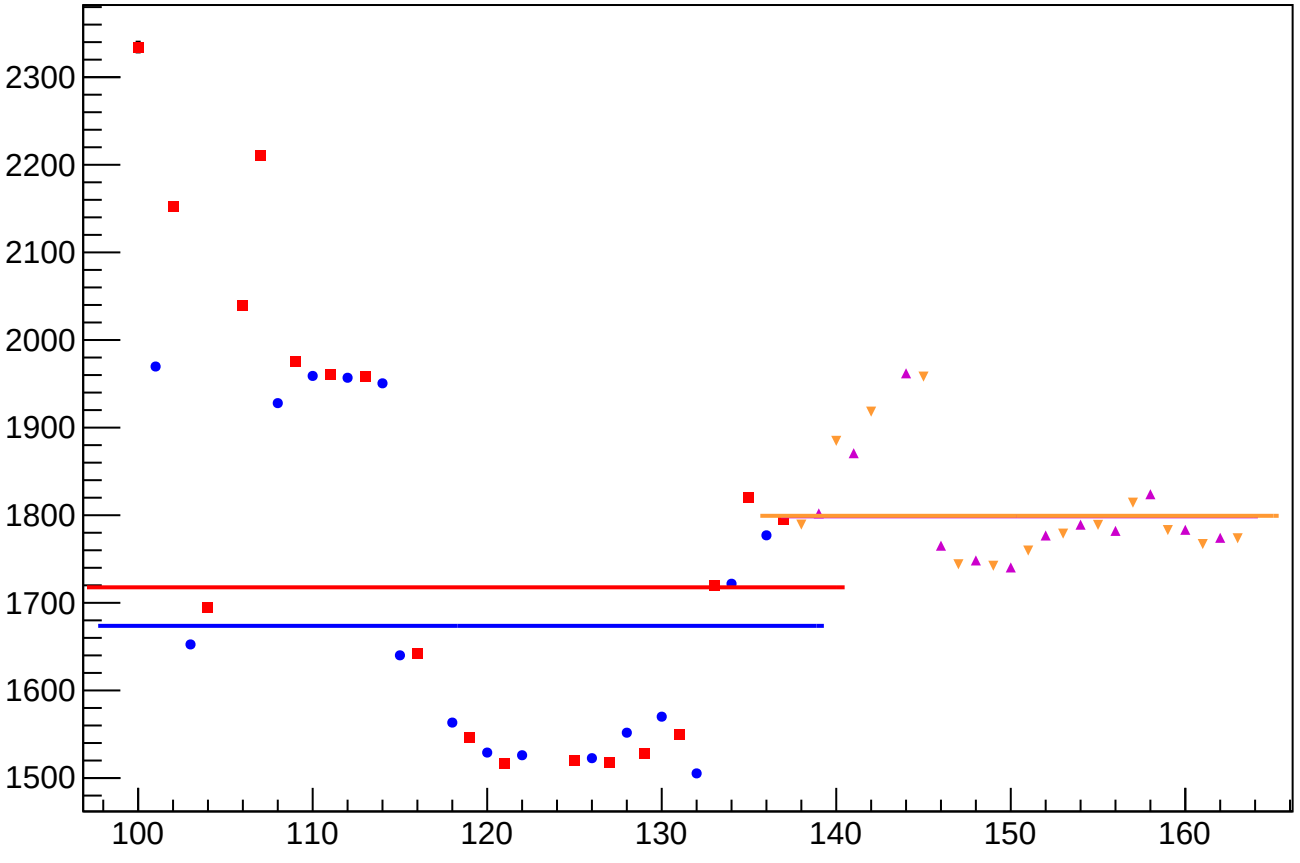
+ sign 811.669+/-0.233 χ^2/NDF: 24342350.2/29

All: 695.710+/-0.159 χ^2/NDF: 52408363.4/60

- sign 595.132+/-0.217 χ^2/NDF: 27604768.4/30


dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 1076.488+/-558.448 χ²/NDF:29.0/12
Right Out: 559.598+/-645.291 χ²/NDF: 23.3/17
Left In: 832.316+/-559.060 χ²/NDF:4.7/11
+ sign 620.980+/-416.771 χ²/NDF: 43.3/28
All: 667.534+/-296.719 χ²/NDF: 71.4/58
- sign 715.384+/-422.538 χ²/NDF: 28.1/29

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.337+/-0.395 χ^2/NDF:23298.3/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

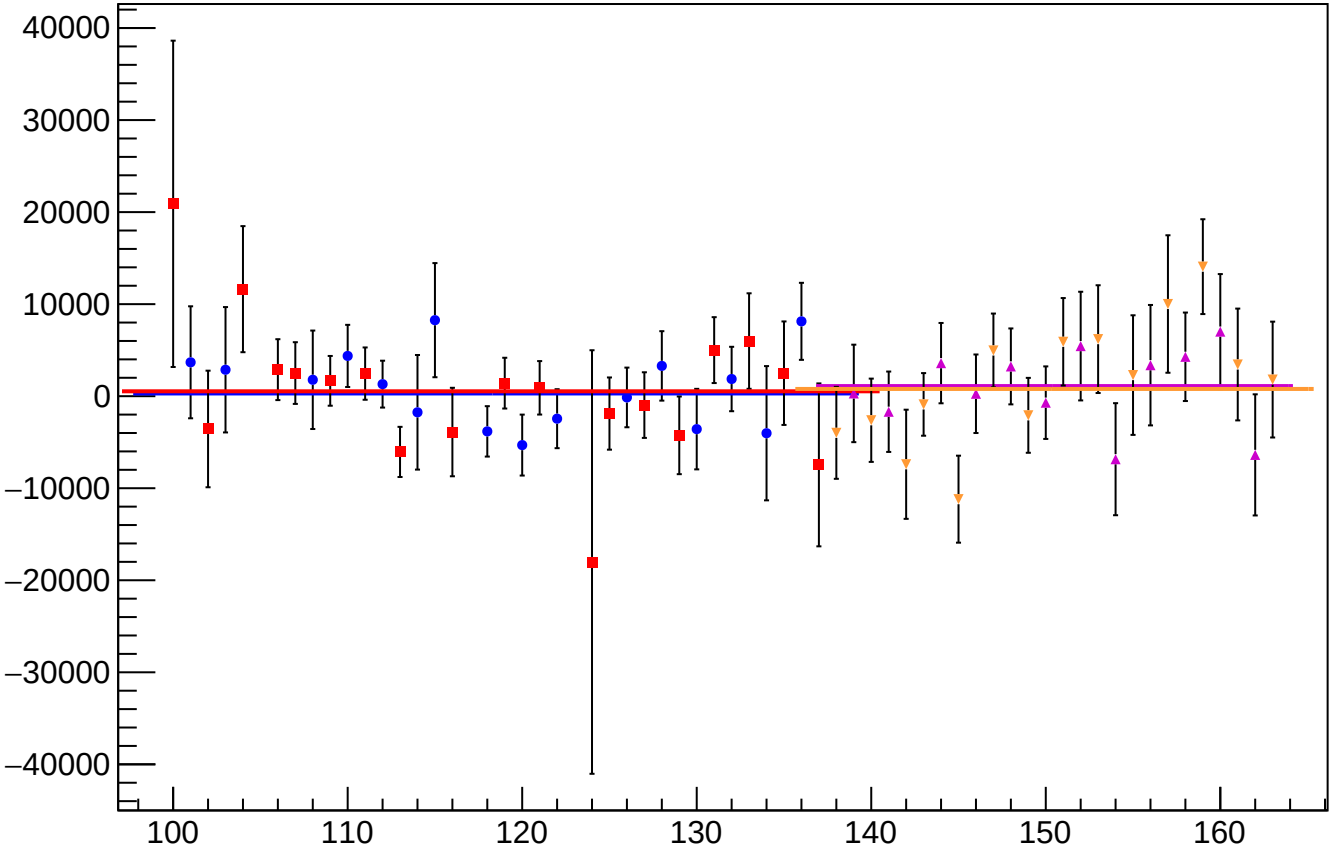
Left In: 1798.732+/-0.395 χ^2/NDF:20380.1/11

+ sign 1743.688+/-0.295 χ^2/NDF: 208998.5/28

All: 1753.666+/-0.210 χ^2/NDF: 477400.3/58

- sign 1763.902+/-0.298 χ^2/NDF: 266079.5/29

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 786.235+/-1317.372 χ^2/NDF:22.1/13

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

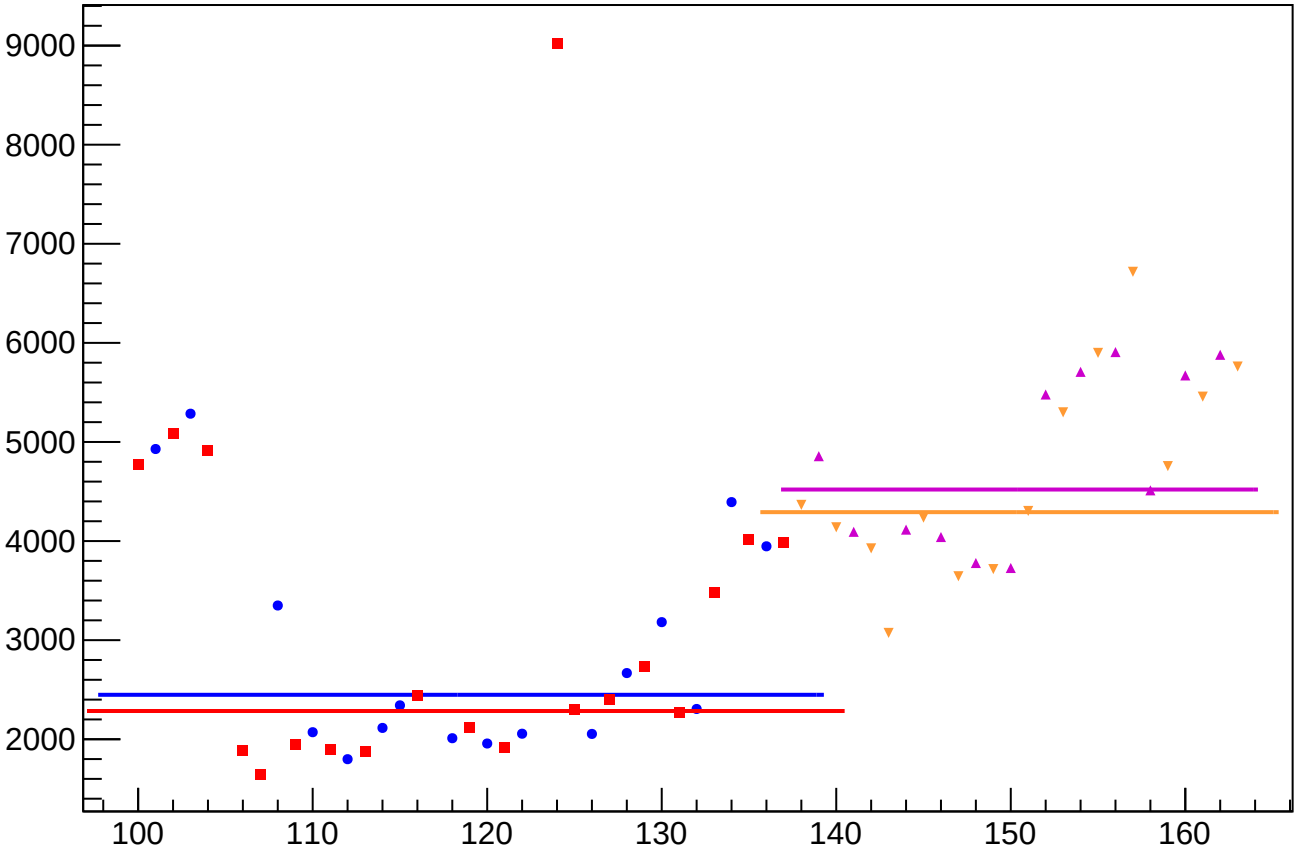
Left In: 1098.119+/-1429.008 χ^2/NDF:6.3/11

+ sign 467.455+/-778.314 χ^2/NDF: 37.4/29

All: 581.531+/-540.719 χ^2/NDF: 62.6/60

- sign 687.957+/-751.762 χ^2/NDF: 25.1/30

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4291.806+/-0.932 χ^2/NDF:950706.7/13

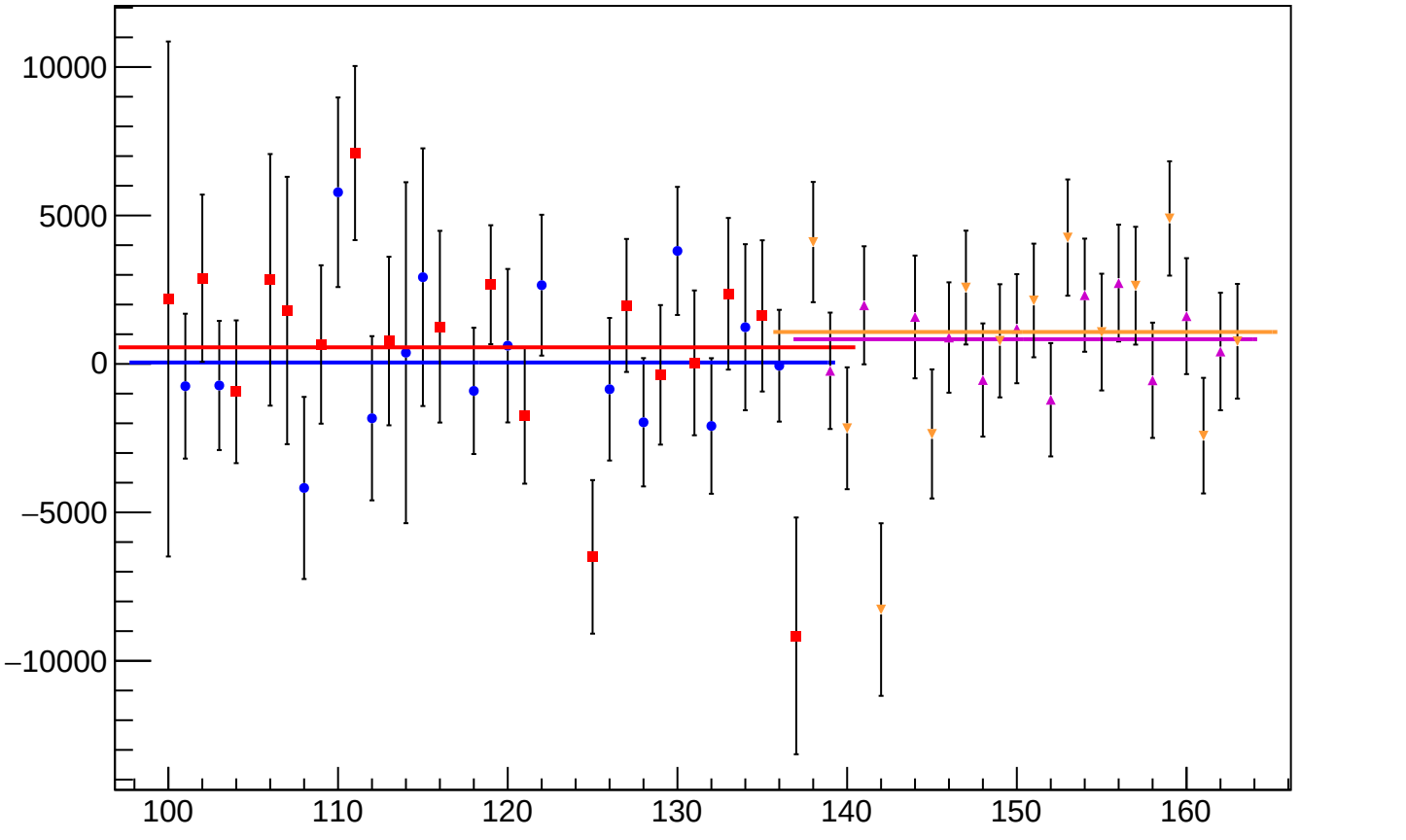
Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4520.047+/-1.010 χ^2/NDF:587013.2/11

+ sign 3091.977+/-0.550 χ^2/NDF: 5016923.1/29

All: 2994.525+/-0.382 χ^2/NDF: 10751640.8/6

- sign 2903.609+/-0.532 χ^2/NDF: 5674111.7/30



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.491+/-558.448 χ^2/NDF:29.0/12

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

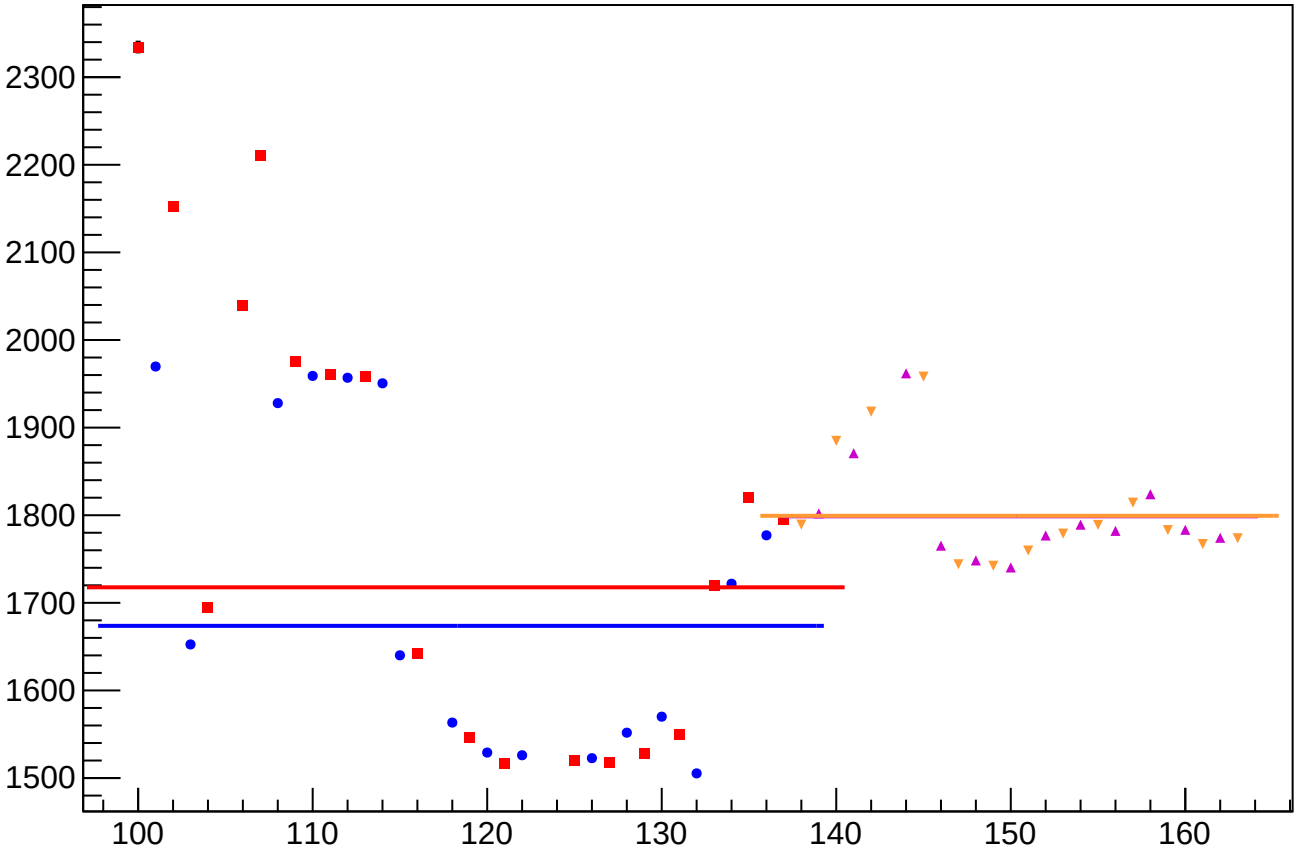
Left In: 832.317+/-559.060 χ^2/NDF:4.7/11

+ sign 620.981+/-416.771 χ^2/NDF: 43.3/28

All: 667.534+/-296.719 χ^2/NDF: 71.4/58

- sign 715.385+/-422.538 χ^2/NDF: 28.1/29

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.338+/-0.395 χ^2/NDF:23298.7/12

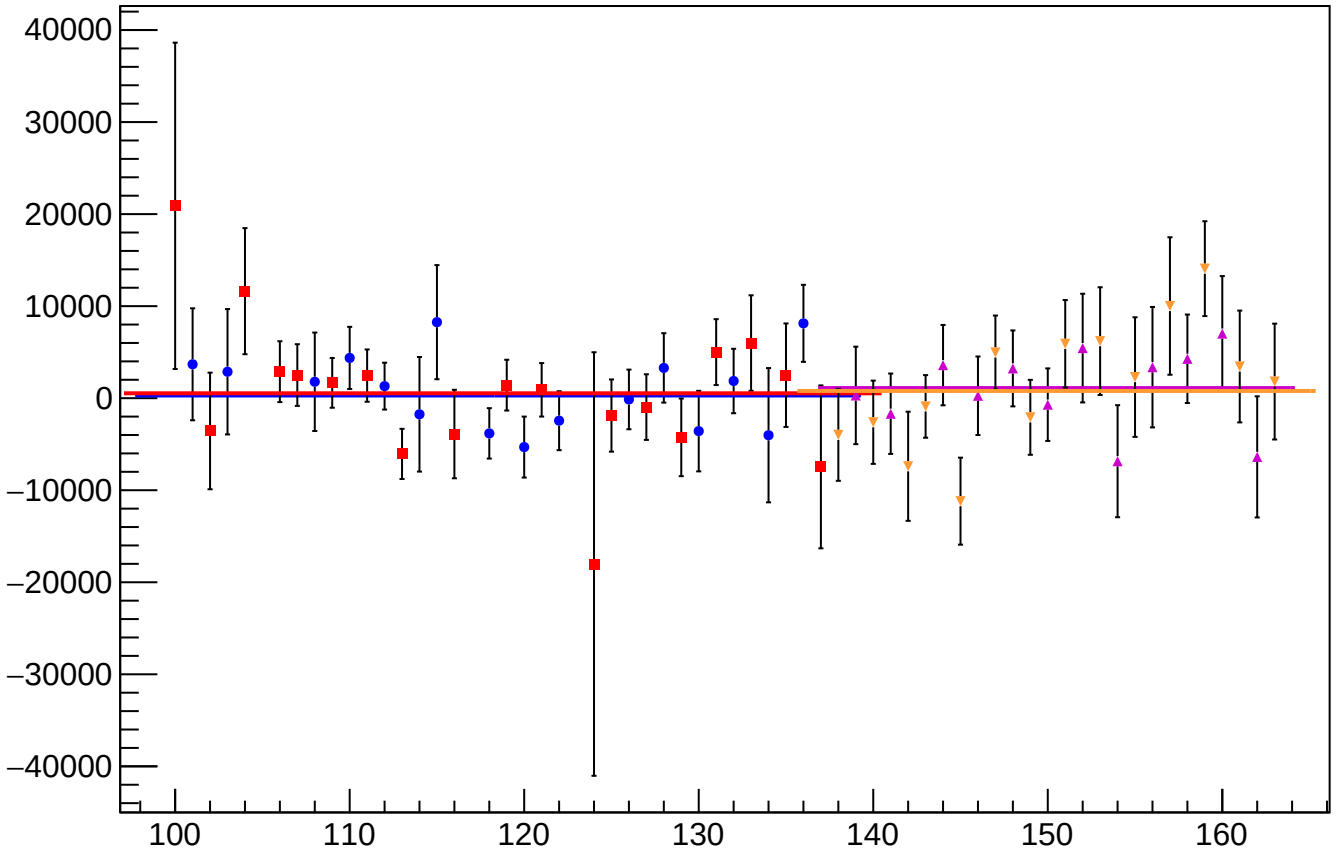
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1798.733+/-0.395 χ^2/NDF:20380.3/11

+ sign 1743.689+/-0.295 χ^2/NDF: 208999.9/28

All: 1753.667+/-0.210 χ^2/NDF: 477401.7/58

- sign 1763.903+/-0.298 χ^2/NDF: 266079.5/29



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 786.240+/-1317.374 χ^2/NDF:22.1/13

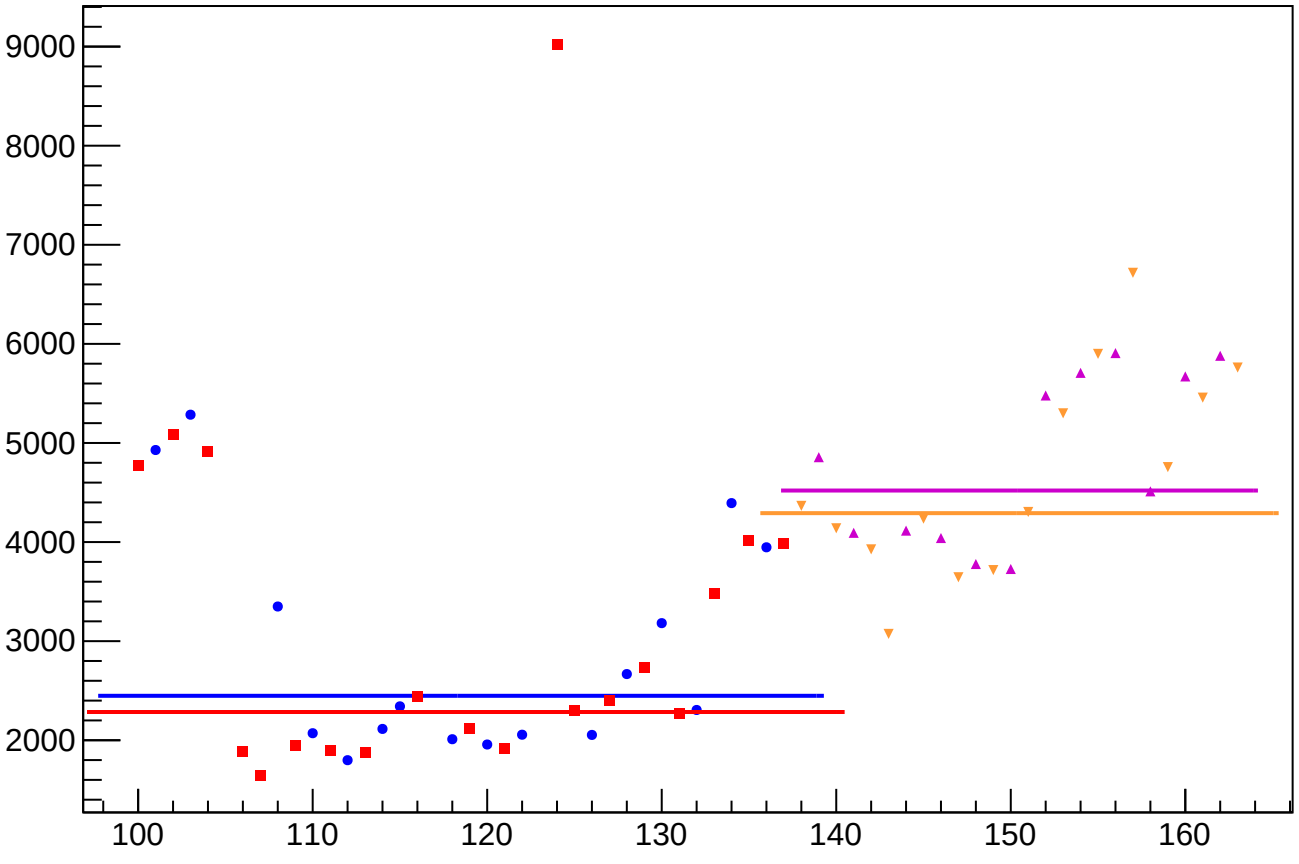
Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: 1098.120+/-1429.009 χ^2/NDF:6.3/11

\+ sign 467.451+/-778.312 χ^2/NDF: 37.4/29

All: 581.530+/-540.718 χ^2/NDF: 62.6/60

\- sign 687.957+/-751.760 χ^2/NDF: 25.1/30



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4291.811+/-0.932 χ^2/NDF:950710.6/13

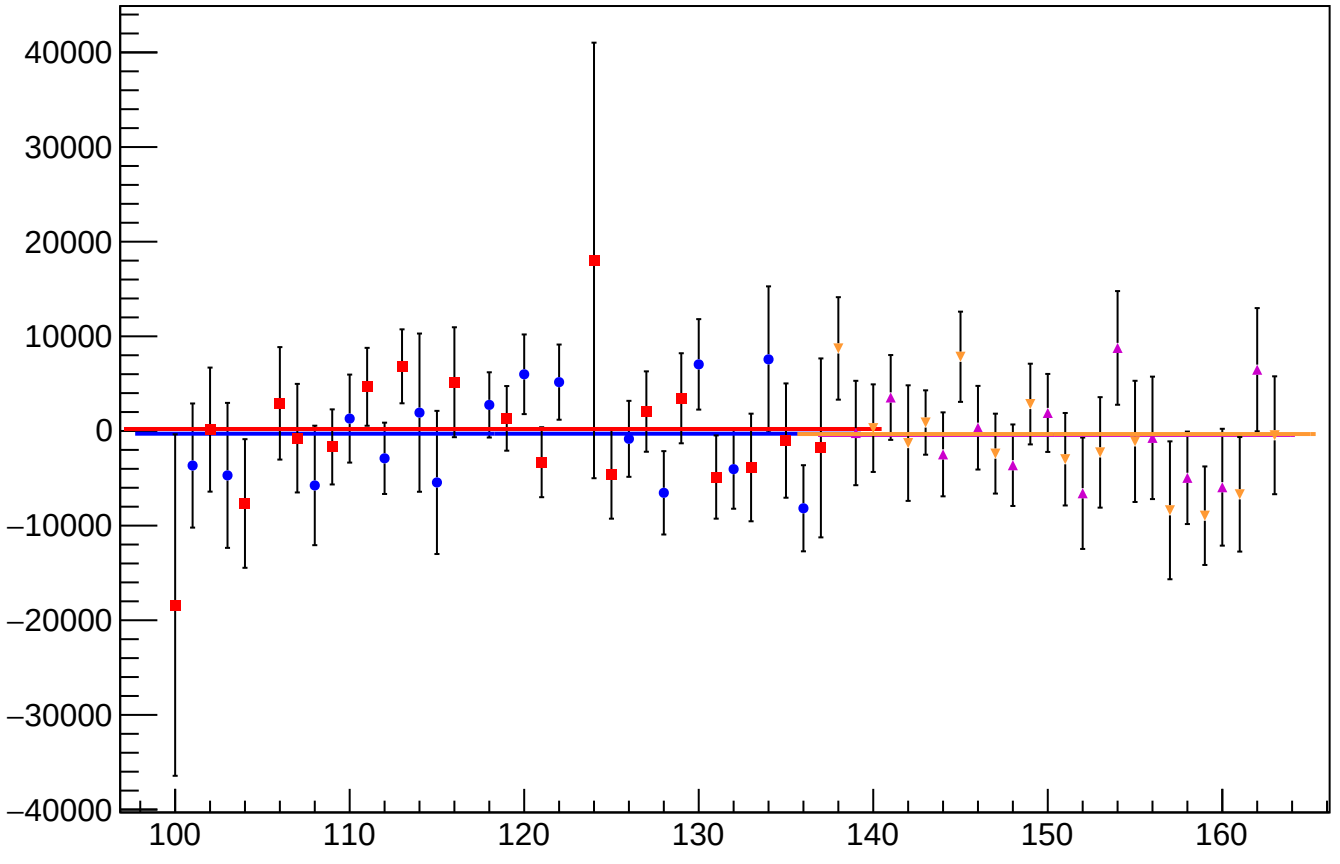
Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4520.052+/-1.010 χ^2/NDF:587015.6/11

+ sign 3091.967+/-0.550 χ^2/NDF: 5016985.3/29

All: 2994.516+/-0.382 χ^2/NDF: 10751758.2/6

- sign 2903.600+/-0.532 χ^2/NDF: 5674167.0/30



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -324.546+/-1343.948 χ^2/NDF:12.2/13

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

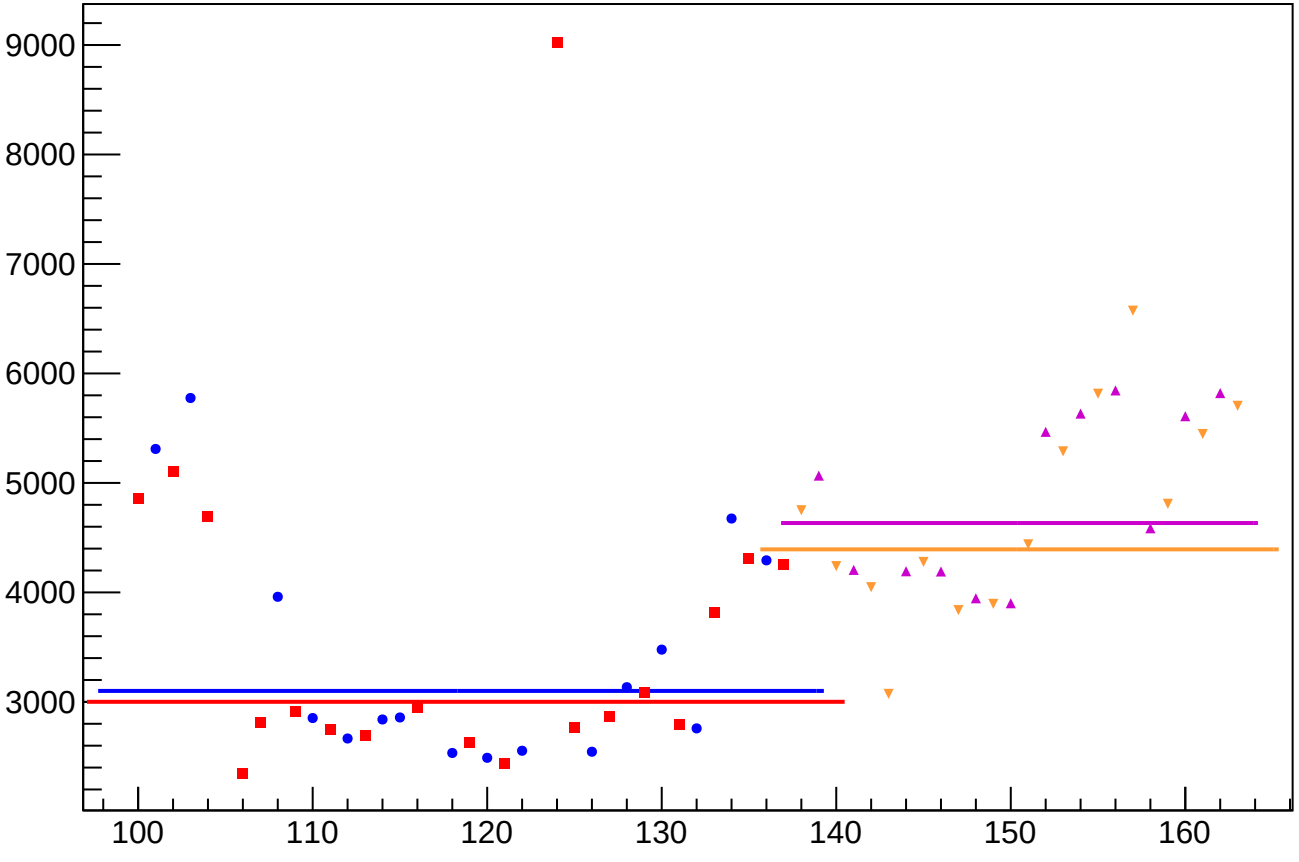
Left In: -417.756+/-1459.103 χ^2/NDF:8.1/11

+ sign -303.768+/-894.004 χ^2/NDF: 28.8/29

All: -169.459+/-636.009 χ^2/NDF: 49.9/60

- sign -31.826+/-905.003 χ^2/NDF: 21.1/30

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4393.150+/-0.950 χ^2/NDF:868489.4/13

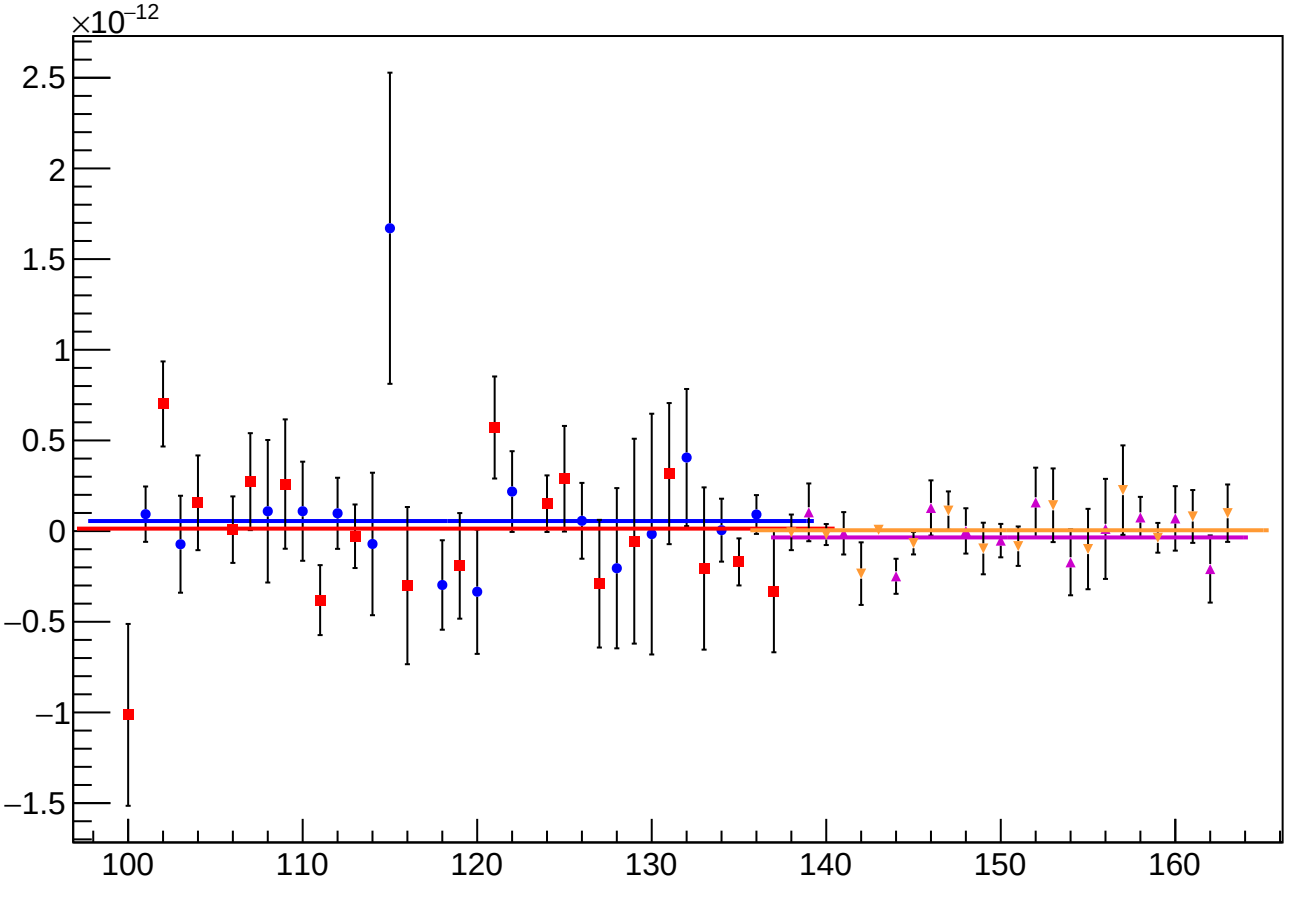
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4633.714+/-1.032 χ^2/NDF:466712.1/11

+ sign 3672.293+/-0.632 χ^2/NDF: 2864247.7/29

All: 3645.493+/-0.448 χ^2/NDF: 5698561.7/60

- sign 3618.488+/-0.635 χ^2/NDF: 2830705.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

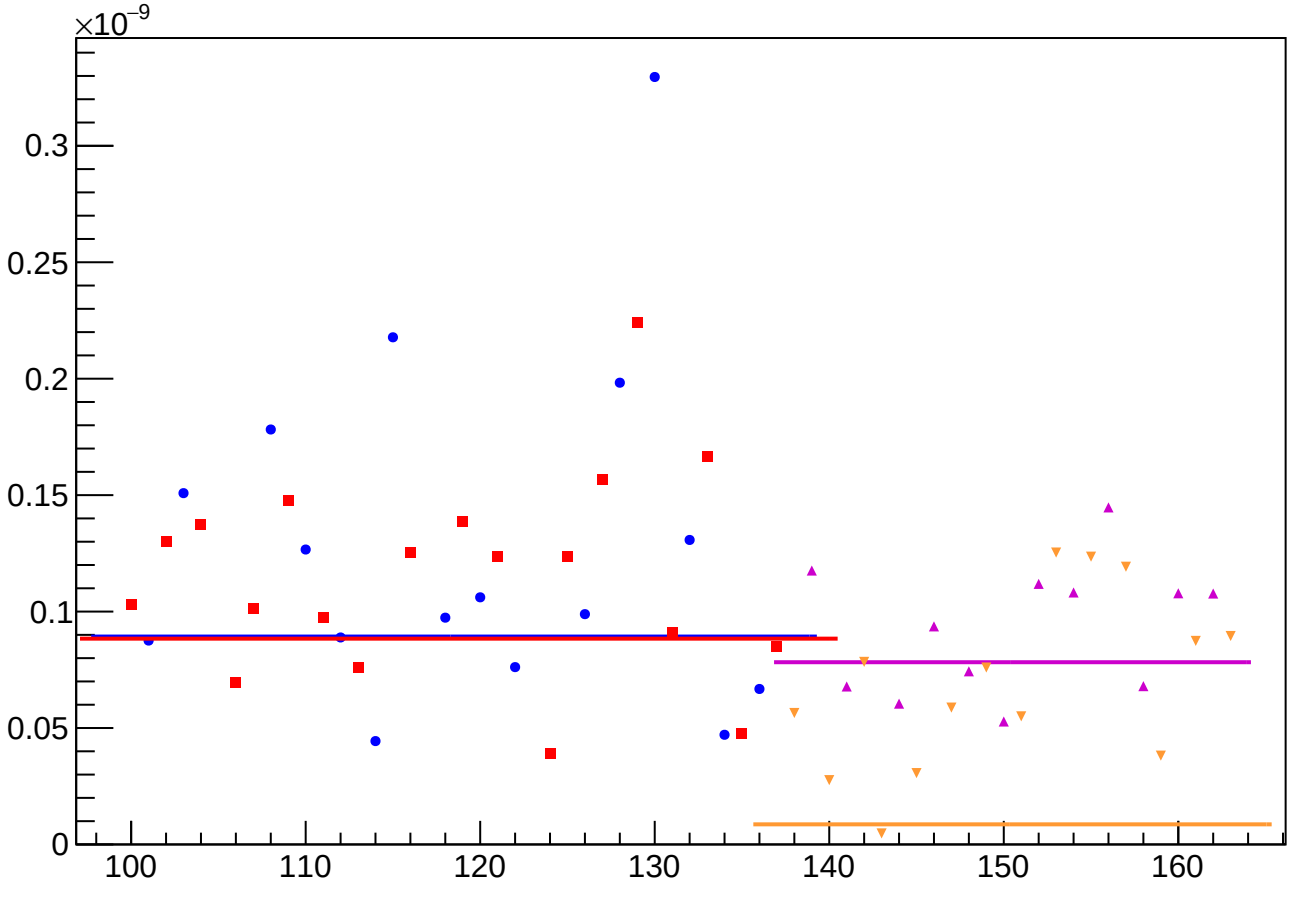
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 18.2/29

All: 0.000+/-0.000 χ^2/NDF: 60.0/60

- sign -0.000+/-0.000 χ^2/NDF: 41.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5870978.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

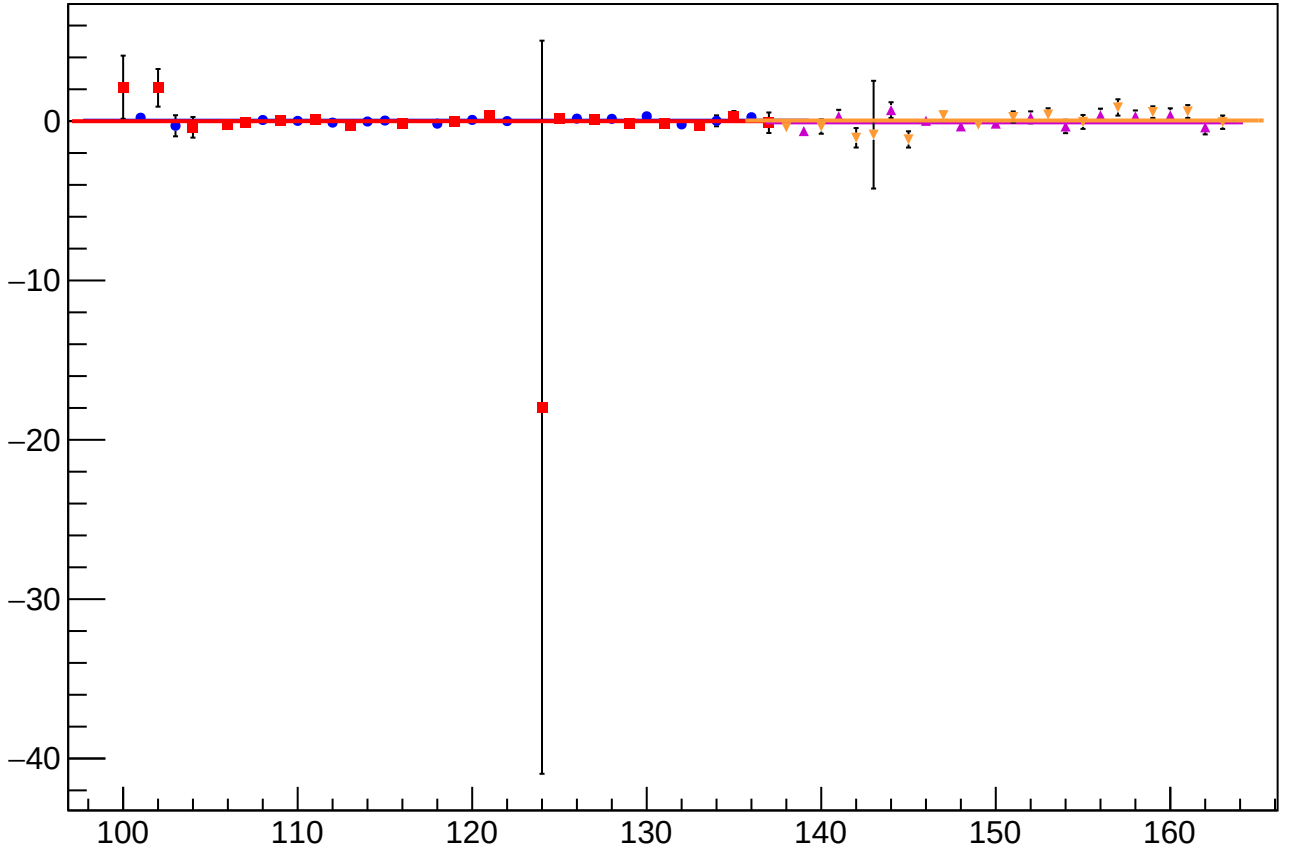
Left In: 0.000+/-0.000 χ^2/NDF:735643.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 10805381.4/29

All: 0.000+/-0.000 χ^2/NDF: 21833403.1/60

- sign 0.000+/-0.000 χ^2/NDF: 1793631.1/30

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

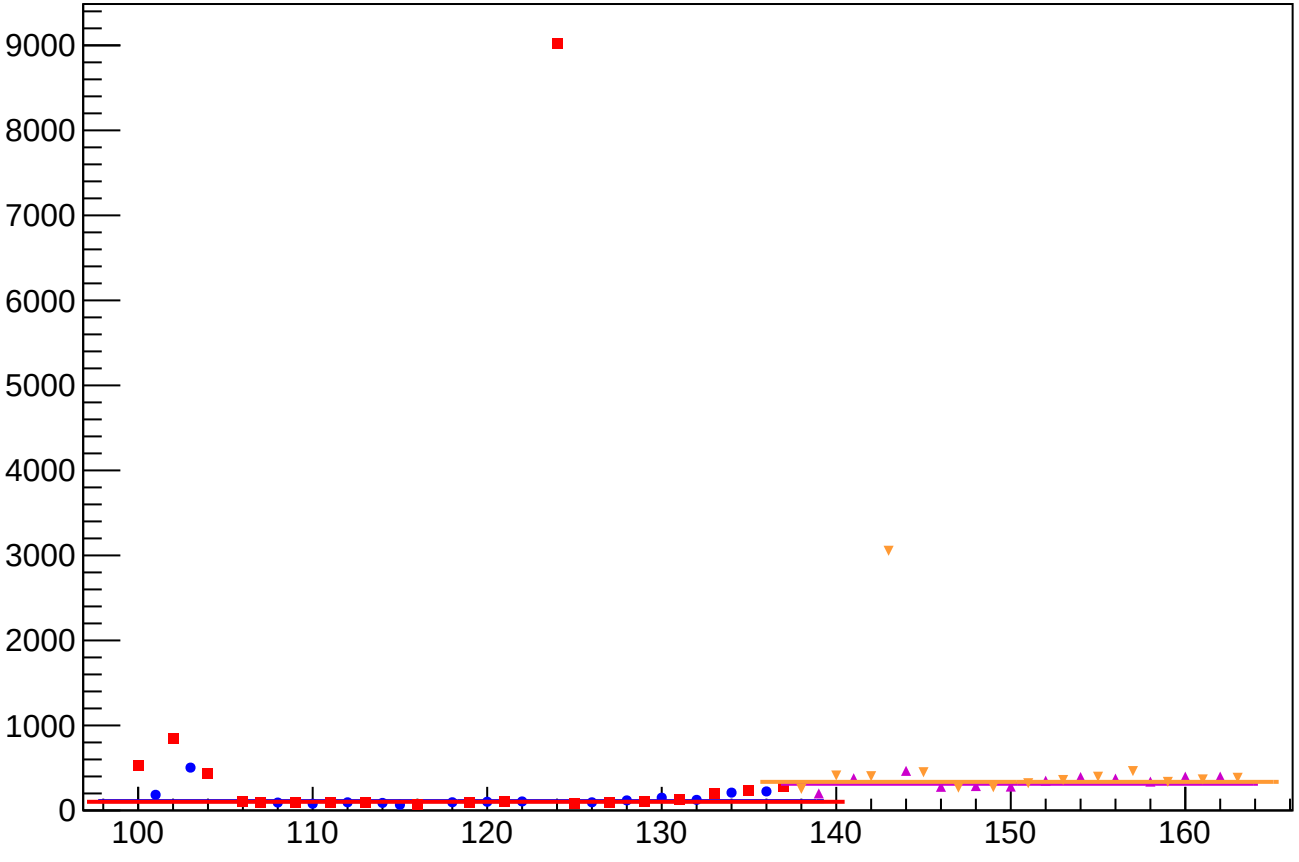
Left In: -0.076+/-0.101 χ^2/NDF:14.5/11

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.007+/-0.029 χ^2/NDF: 68.3/60

- sign -0.015+/-0.040 χ^2/NDF: 37.3/30

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

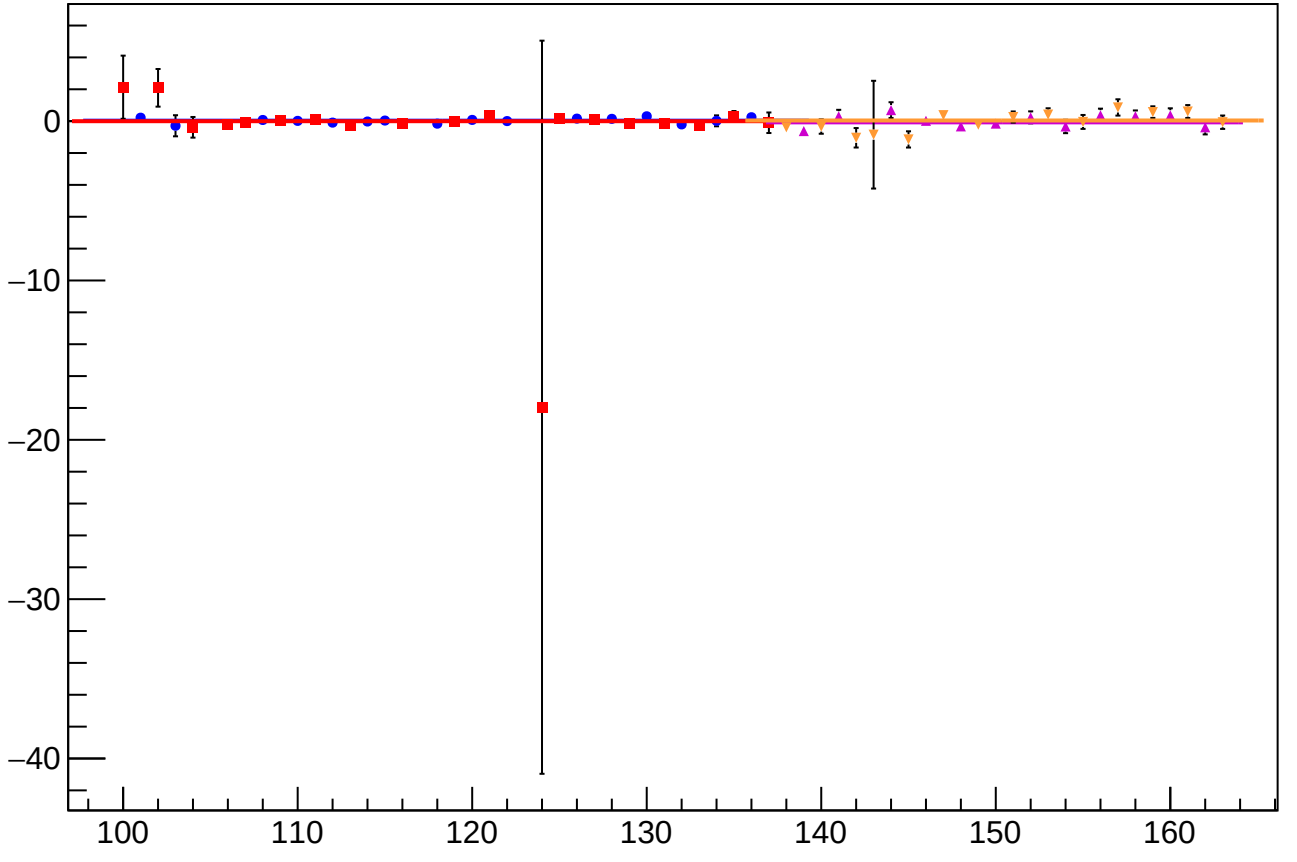
Left In: 313.830+/-0.072 χ^2/NDF:1073841.5/11

+ sign 144.825+/-0.029 χ^2/NDF: 11648976.3/29

All: 139.530+/-0.020 χ^2/NDF: 22773767.6/60

- sign 134.682+/-0.028 χ^2/NDF: 11062934.3/30

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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

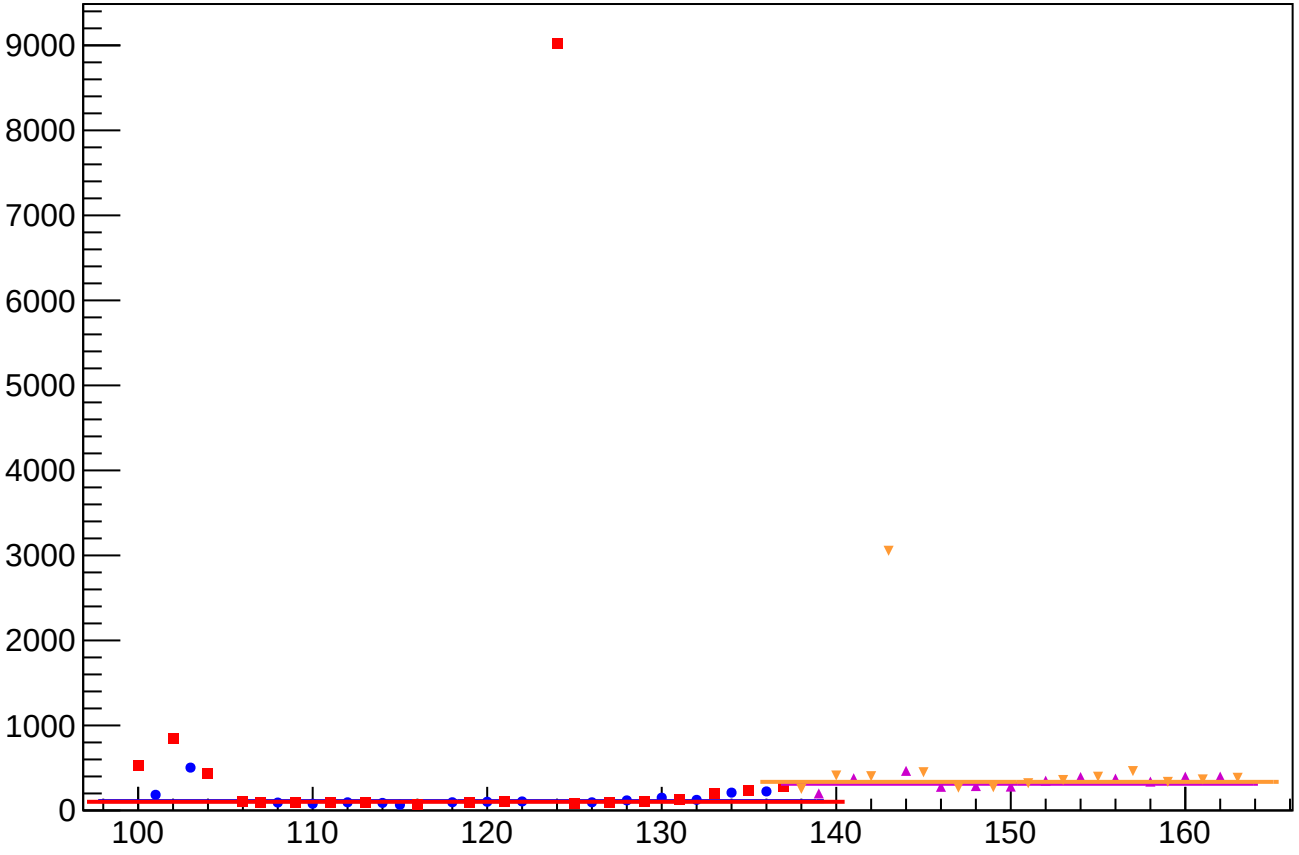
Left In: -0.076+/-0.101 χ^2/NDF:14.5/11

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.007+/-0.029 χ^2/NDF: 68.3/60

- sign -0.015+/-0.040 χ^2/NDF: 37.3/30

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: 336.392+/-0.075 χ^2/NDF:2031725.6/13

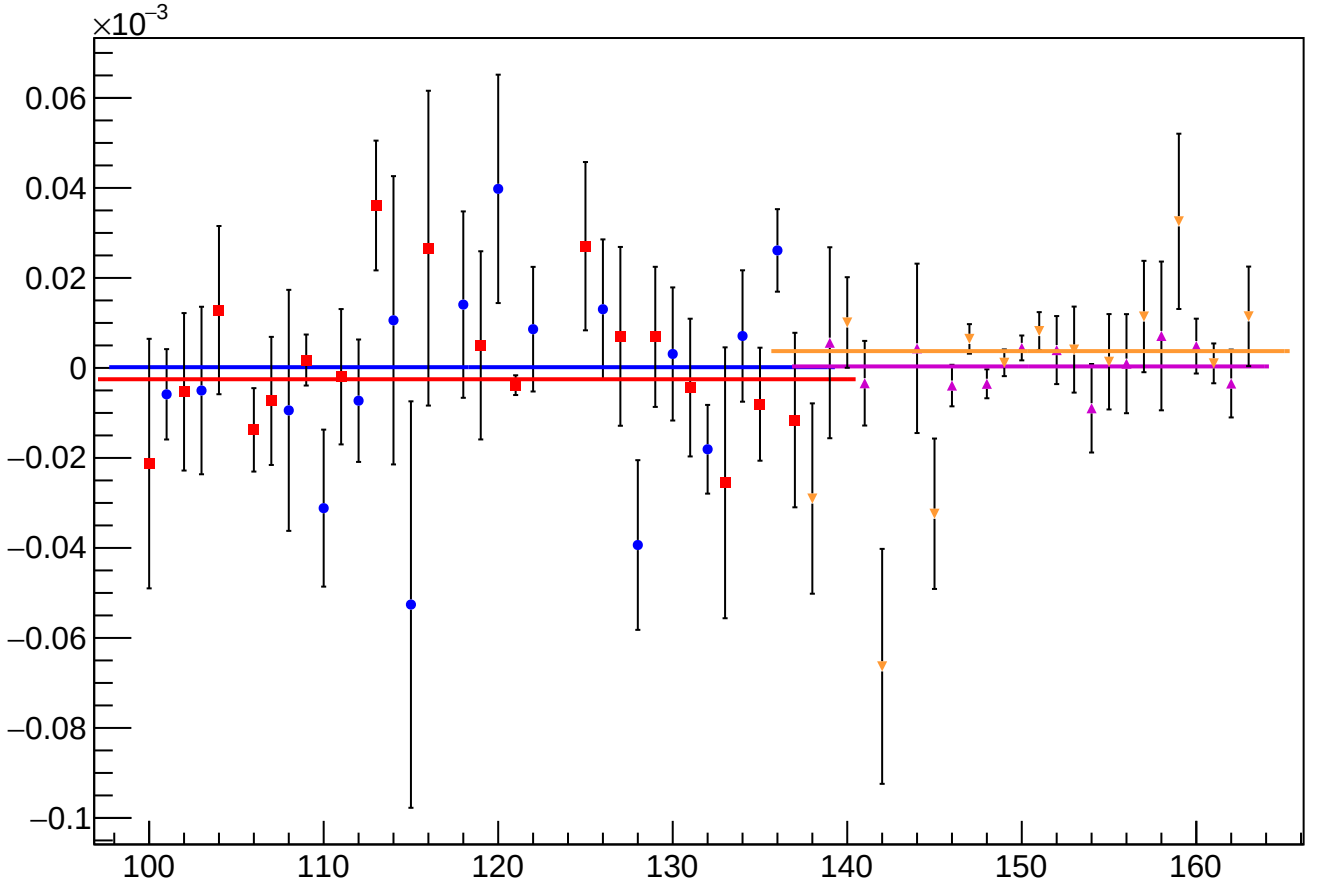
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 313.830+/-0.072 χ^2/NDF:1073841.5/11

+ sign 144.825+/-0.029 χ^2/NDF: 11648976.3/29

All: 139.530+/-0.020 χ^2/NDF: 22773767.6/60

- sign 134.682+/-0.028 χ^2/NDF: 11062934.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

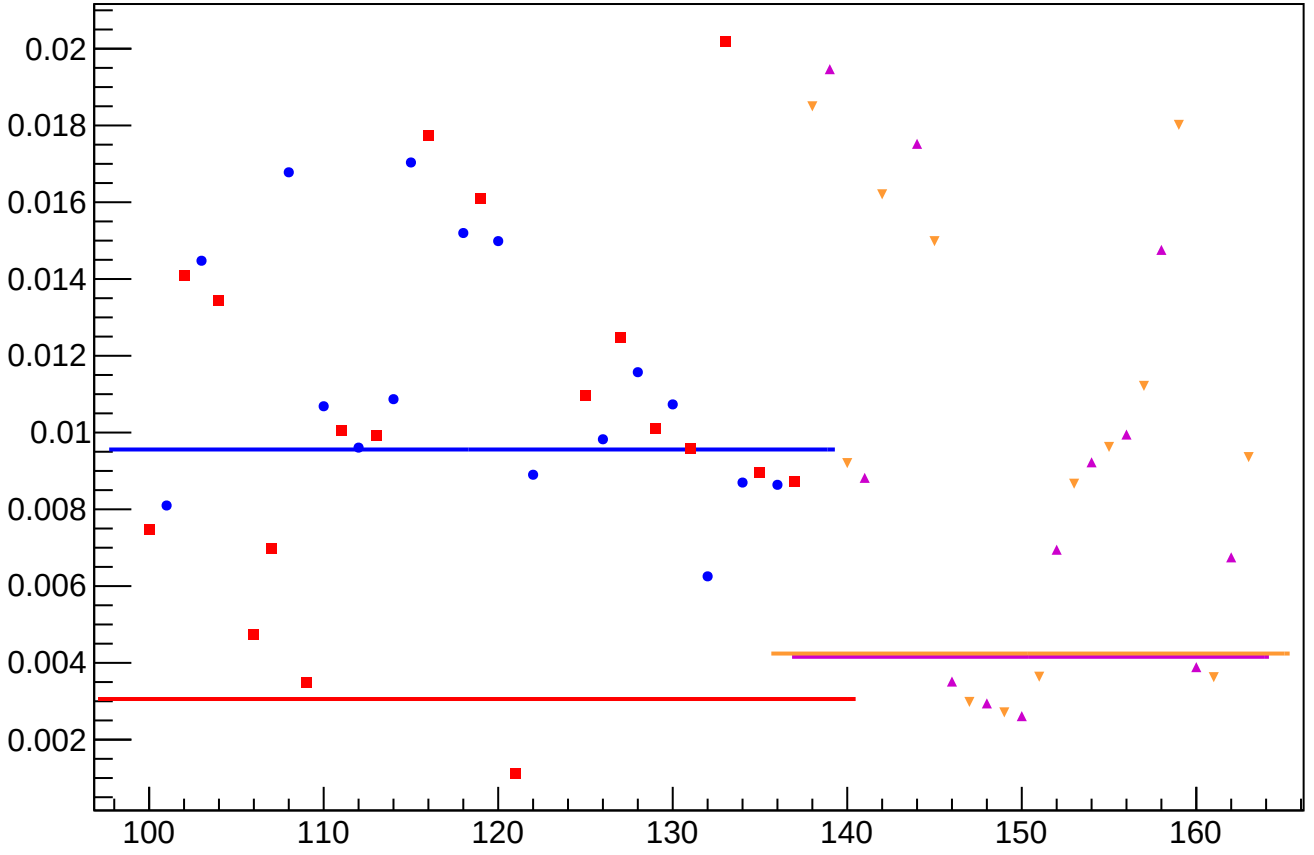
Left In: 0.000+/-0.000 χ^2/NDF:6.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/28

All: 0.000+/-0.000 χ^2/NDF: 75.5/58

- sign -0.000+/-0.000 χ^2/NDF: 24.0/29

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6558121.8/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

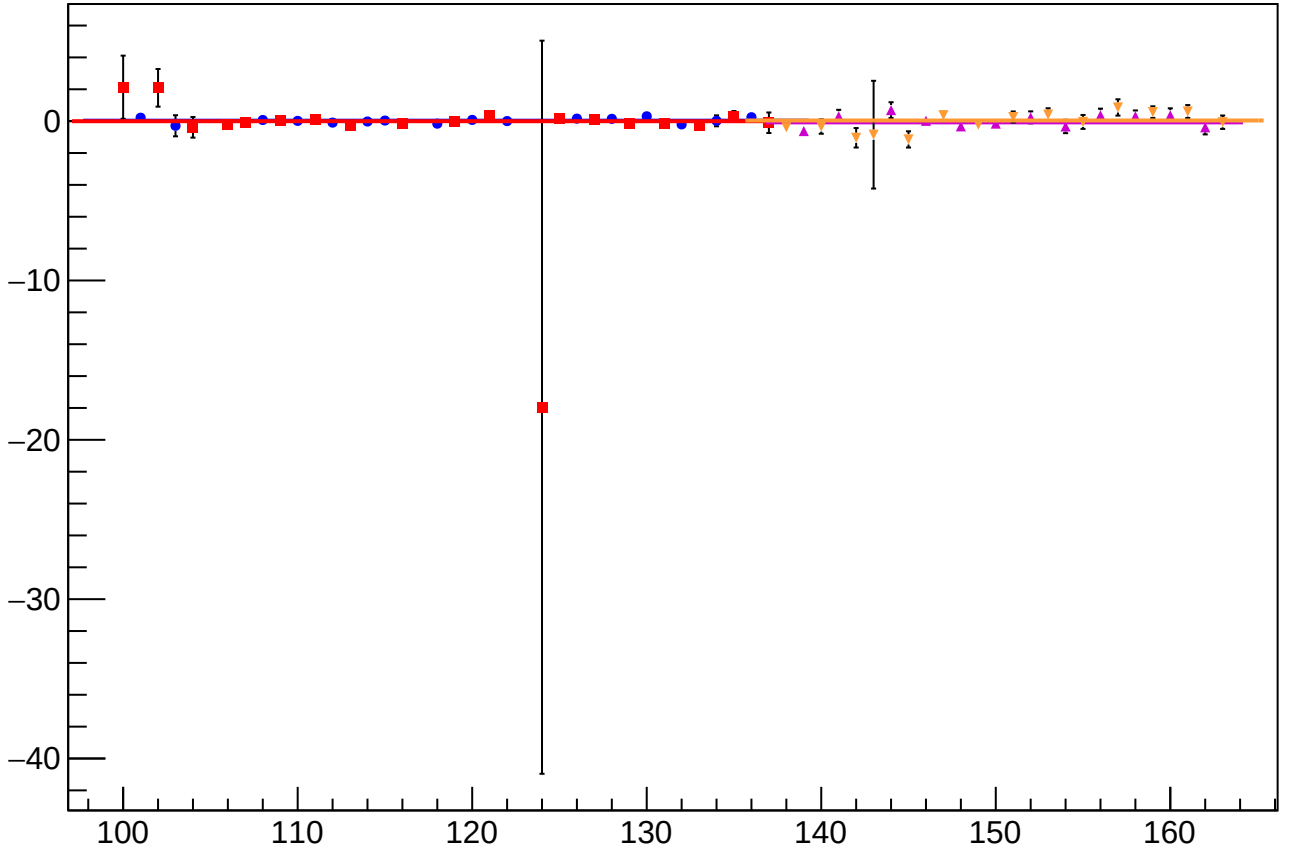
Left In: 0.004+/-0.000 χ^2/NDF:5911114.1/11

+ sign 0.005+/-0.000 χ^2/NDF: 10883067.3/28

All: 0.004+/-0.000 χ^2/NDF: 26423456.4/58

- sign 0.004+/-0.000 χ^2/NDF: 14436329.6/29

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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

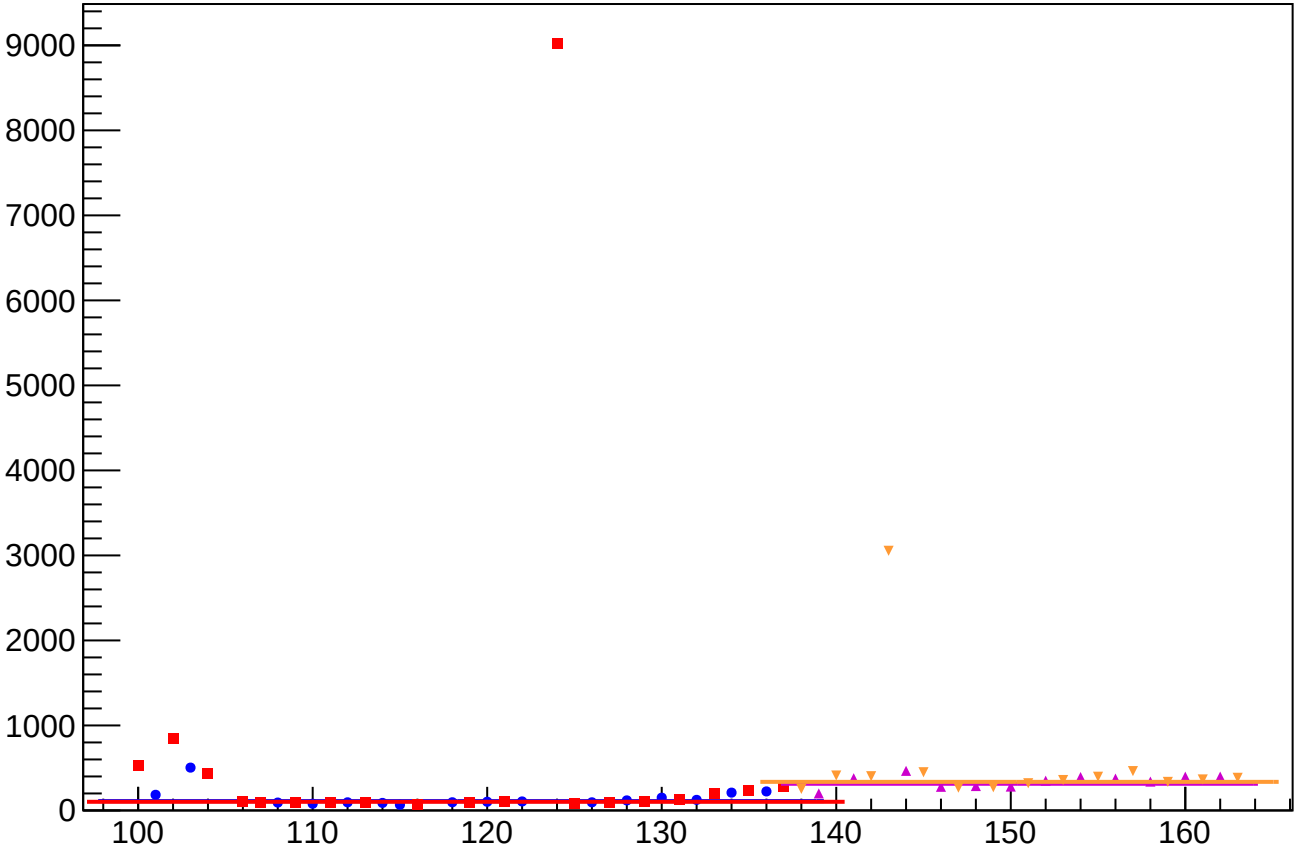
Left In: -0.076+/-0.101 χ^2/NDF:14.5/11

+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.007+/-0.029 χ^2/NDF: 68.3/60

- sign -0.015+/-0.040 χ^2/NDF: 37.3/30

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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

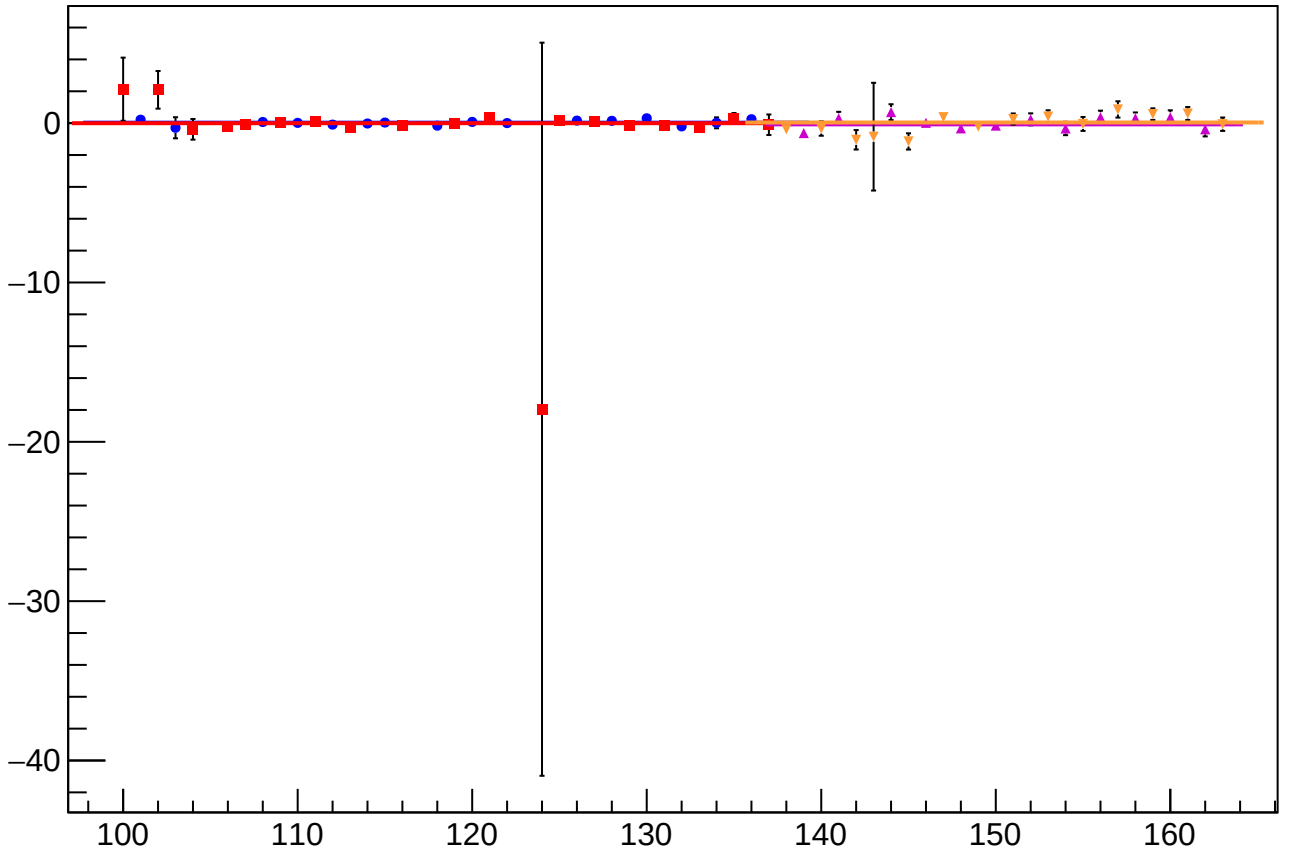
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 313.834+/-0.072 χ^2/NDF:1073817.8/11

+ sign 144.826+/-0.029 χ^2/NDF: 11648960.2/29

All: 139.531+/-0.020 χ^2/NDF: 22773671.7/60

- sign 134.684+/-0.028 χ^2/NDF: 11062861.5/30



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

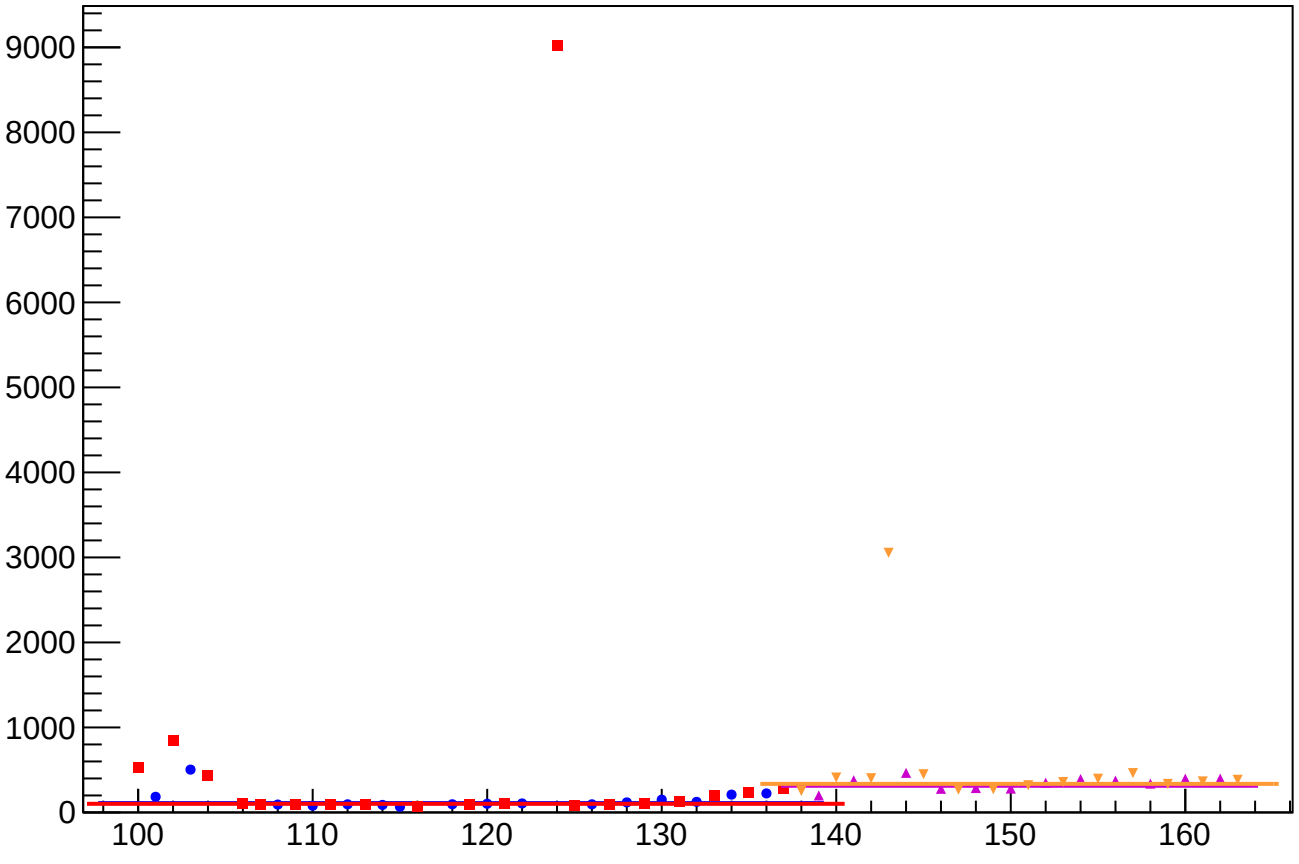
Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.076+/-0.101 χ^2/NDF:14.5/11

\+ sign 0.030+/-0.042 χ^2/NDF: 30.4/29

All: 0.007+/-0.029 χ^2/NDF: 68.3/60

\- sign -0.015+/-0.040 χ^2/NDF: 37.3/30



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 336.396+/-0.075 χ^2/NDF:2031774.6/13

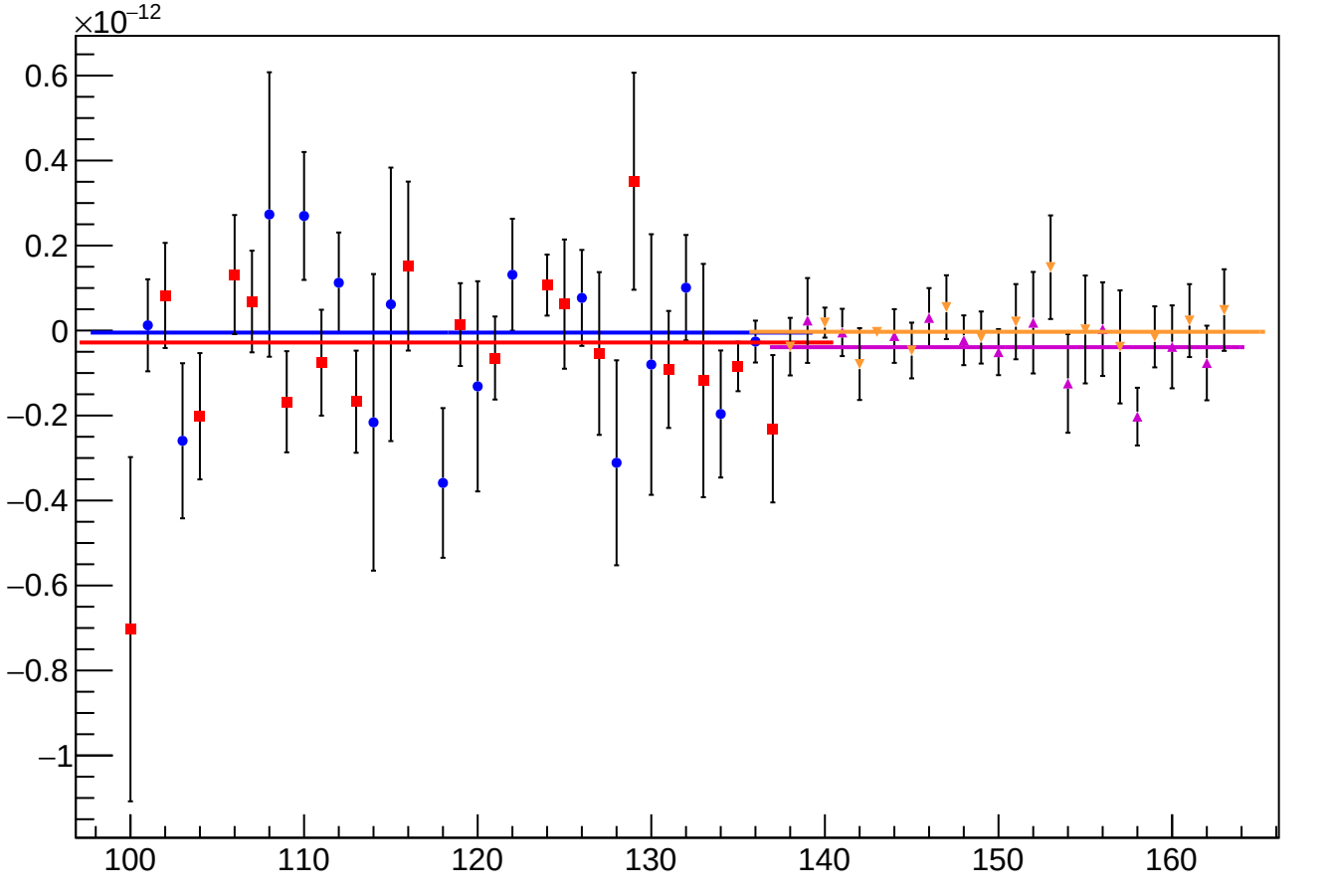
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 313.834+/-0.072 χ^2/NDF:1073817.8/11

+ sign 144.826+/-0.029 χ^2/NDF: 11648960.2/29

All: 139.531+/-0.020 χ^2/NDF: 22773671.7/60

- sign 134.684+/-0.028 χ^2/NDF: 11062861.5/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

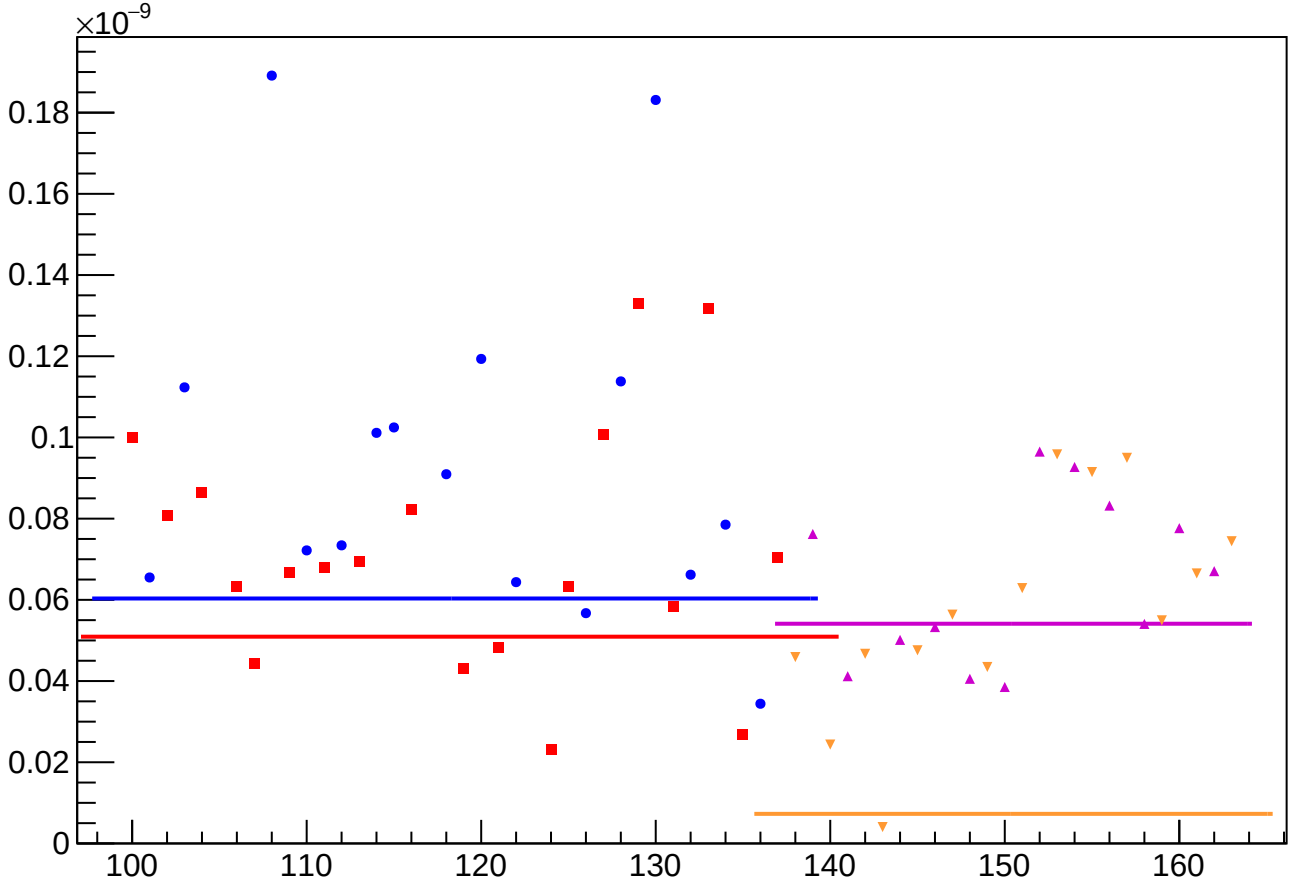
Left In: -0.000+/-0.000 χ^2/NDF:8.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 22.1/29

All: -0.000+/-0.000 χ^2/NDF: 54.1/60

- sign -0.000+/-0.000 χ^2/NDF: 28.7/30

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10932175.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

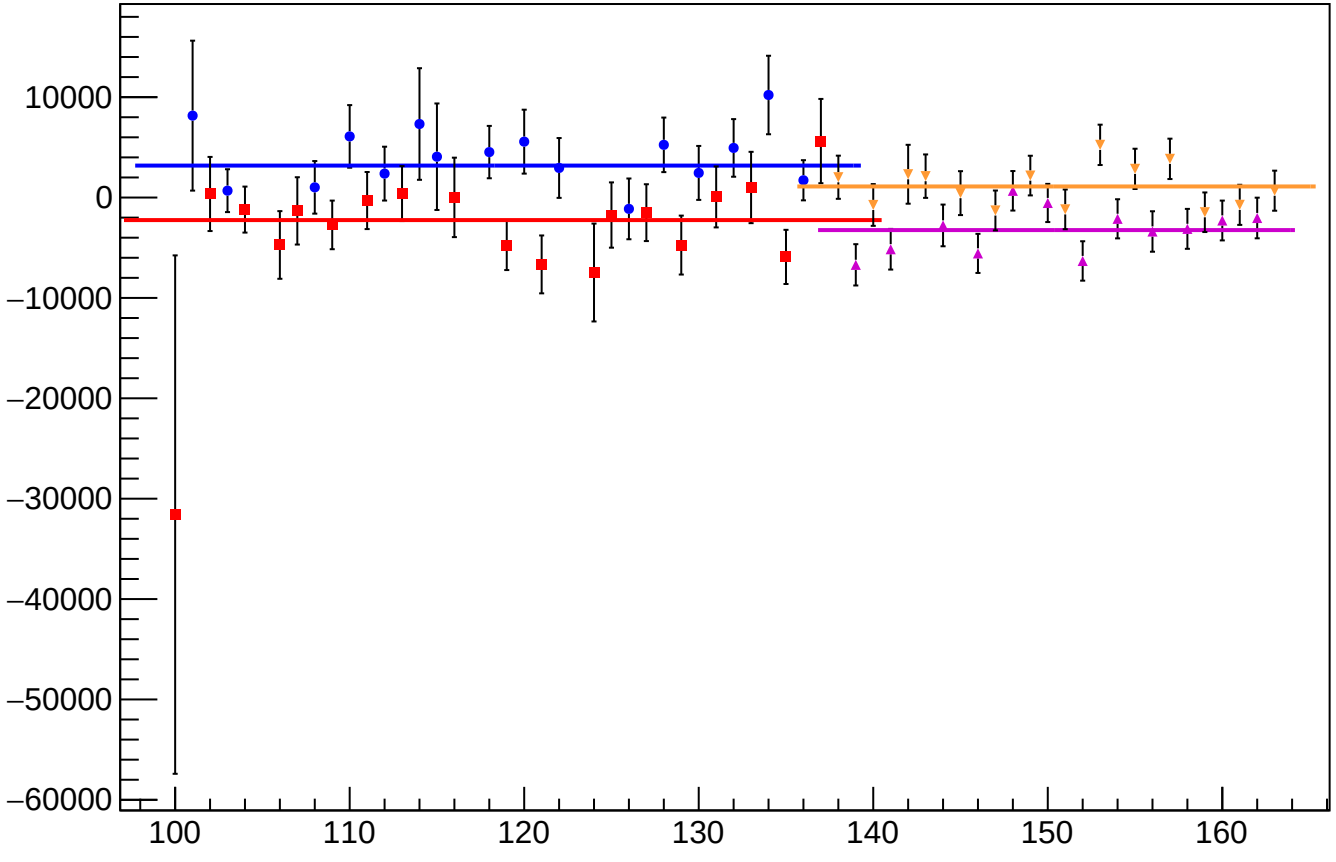
Left In: 0.000+/-0.000 χ^2/NDF:1259327.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 18102087.5/29

All: 0.000+/-0.000 χ^2/NDF: 33567763.0/60

- sign 0.000+/-0.000 χ^2/NDF: 2943326.6/30

reg_asym_atr_avg_mean vs Slug



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.173+/-554.316 χ^2/NDF:14.0/13

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

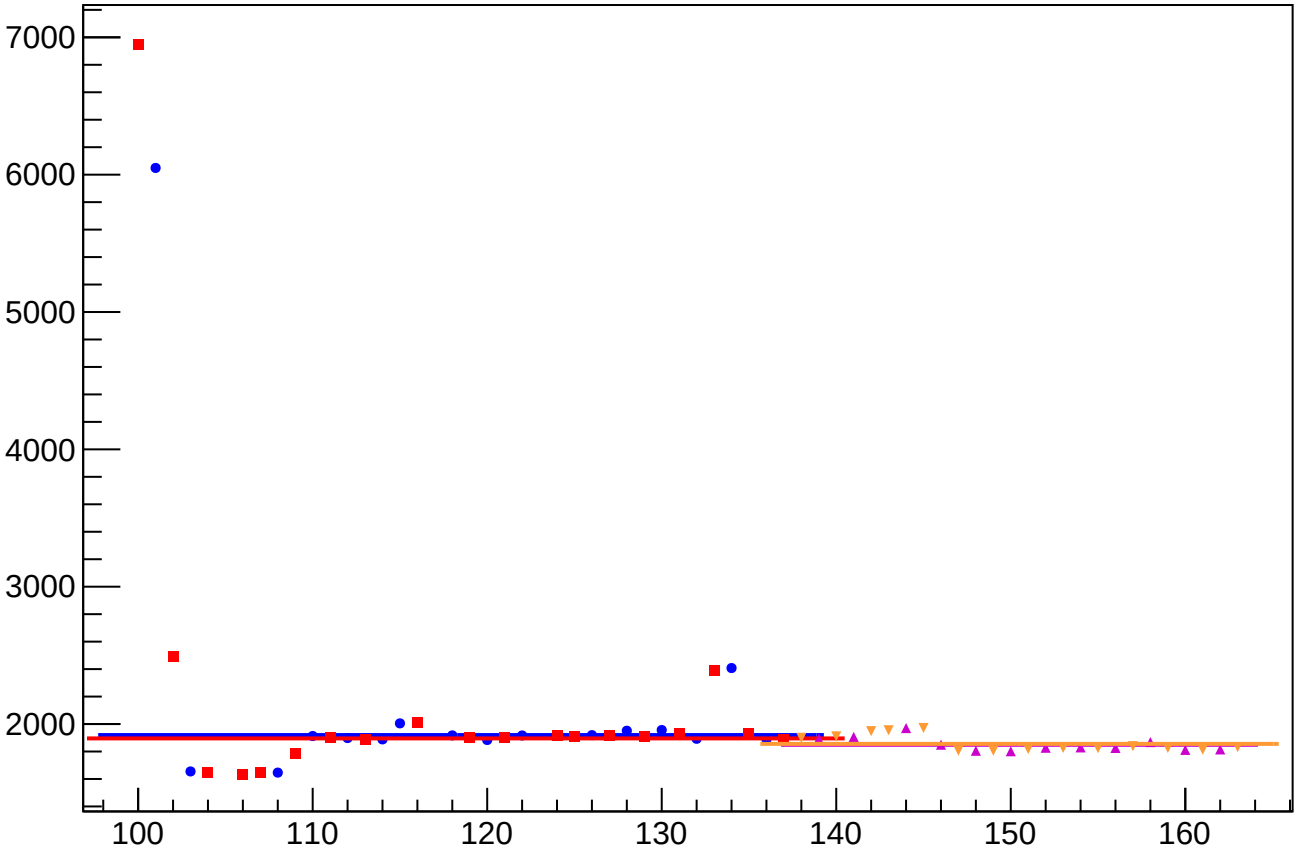
Left In: -3241.878+/-574.501 χ^2/NDF:14.5/11

+ sign 1863.205+/-441.716 χ^2/NDF: 30.8/29

All: -465.491+/-314.135 χ^2/NDF: 119.3/60

- sign -2848.469+/-446.835 χ^2/NDF: 32.2/30

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

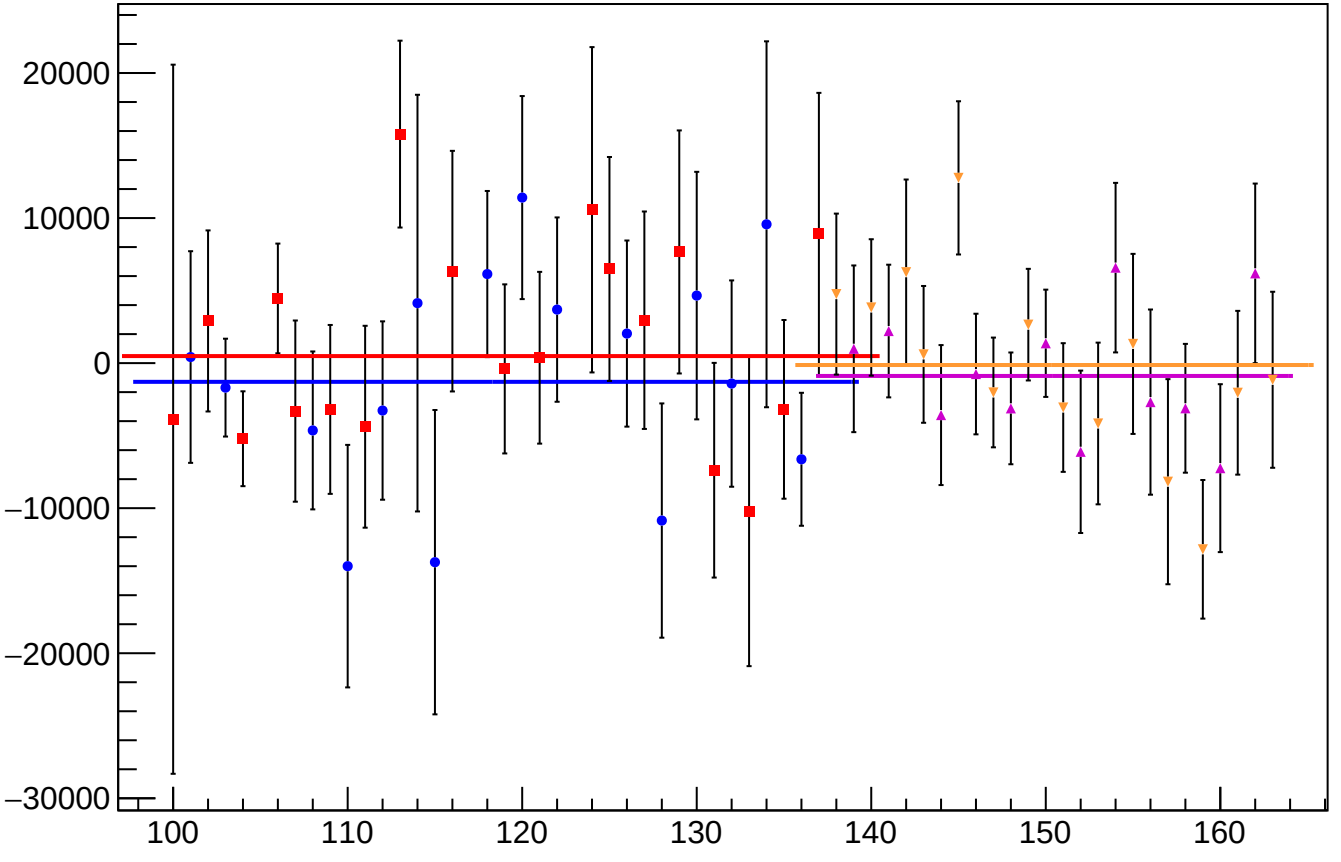
Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

+ sign 1879.012+/-0.312 χ^2/NDF: 727005.1/29

All: 1873.216+/-0.222 χ^2/NDF: 968876.3/60

- sign 1867.301+/-0.316 χ^2/NDF: 241175.5/30

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: -130.917+/-1346.291 χ^2/NDF:18.8/13

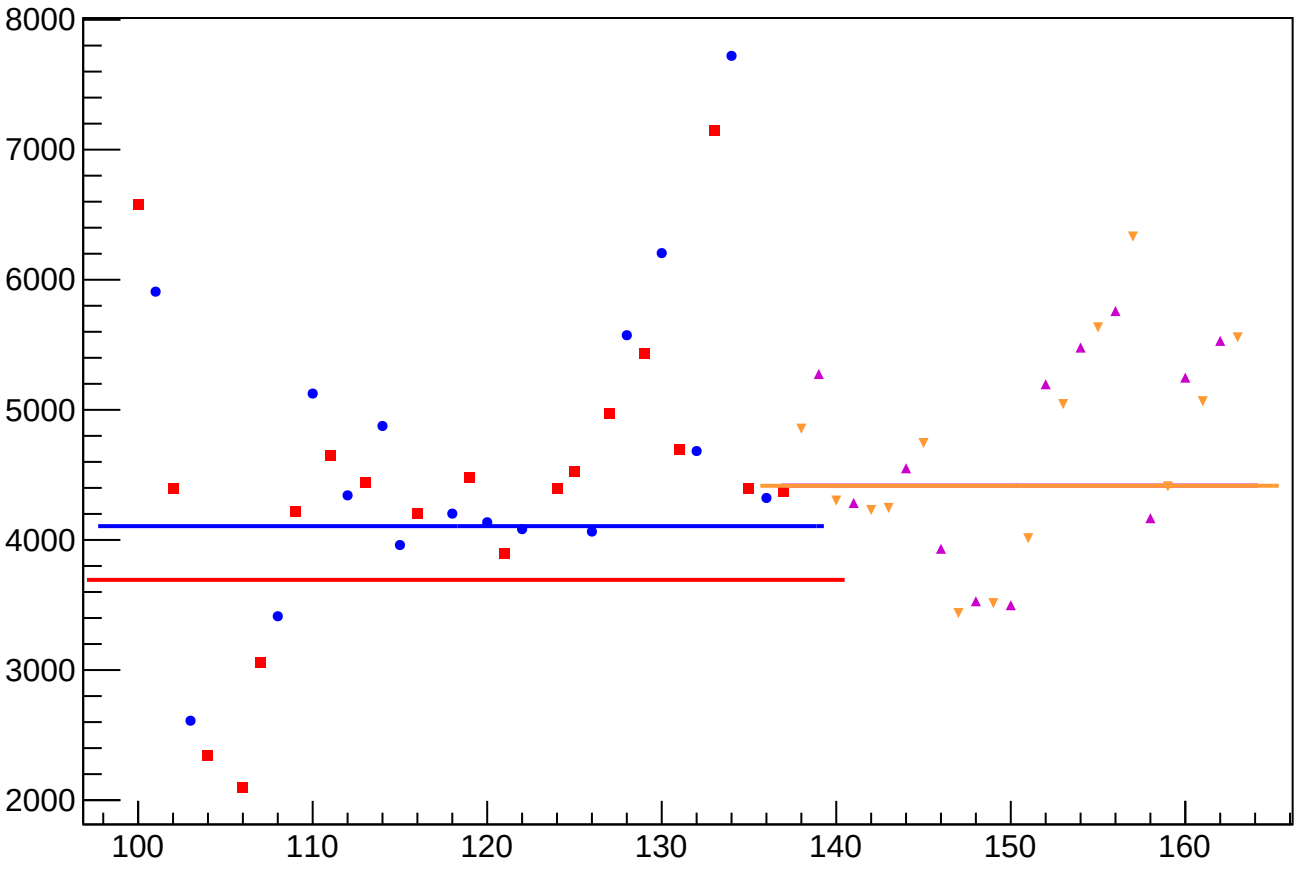
Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: -884.858+/-1397.796 χ^2/NDF:6.9/11

\+ sign -616.744+/-1026.216 χ^2/NDF: 33.3/29

All: -413.141+/-716.974 χ^2/NDF: 58.1/60

\- sign -218.987+/-1002.122 χ^2/NDF: 24.6/30



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4416.551+/-0.952 χ^2/NDF:632463.6/13

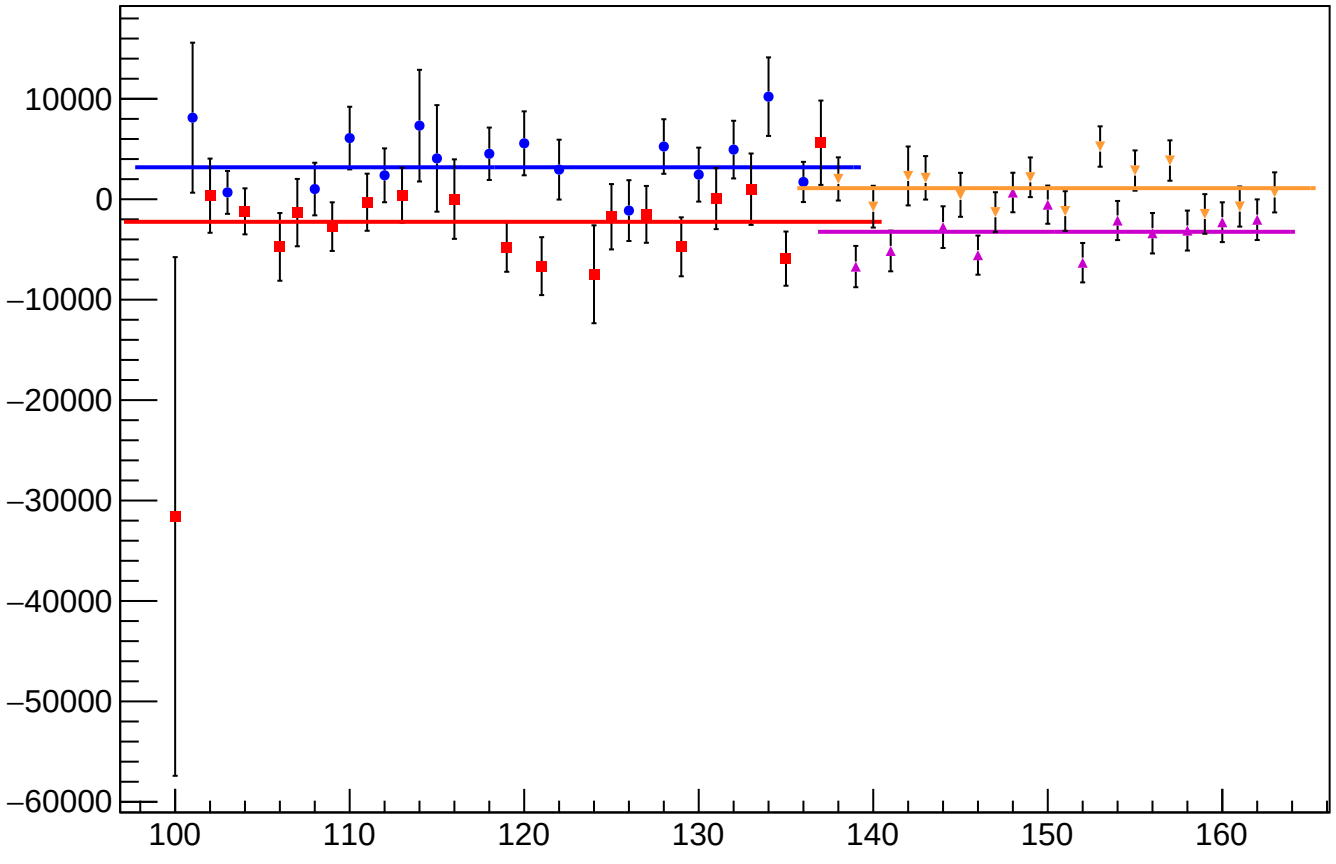
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4417.941+/-0.988 χ^2/NDF:610254.5/11

+ sign 4286.499+/-0.726 χ^2/NDF: 1633139.7/29

All: 4173.498+/-0.507 χ^2/NDF: 3908674.0/60

- sign 4065.741+/-0.709 χ^2/NDF: 2228158.8/30



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

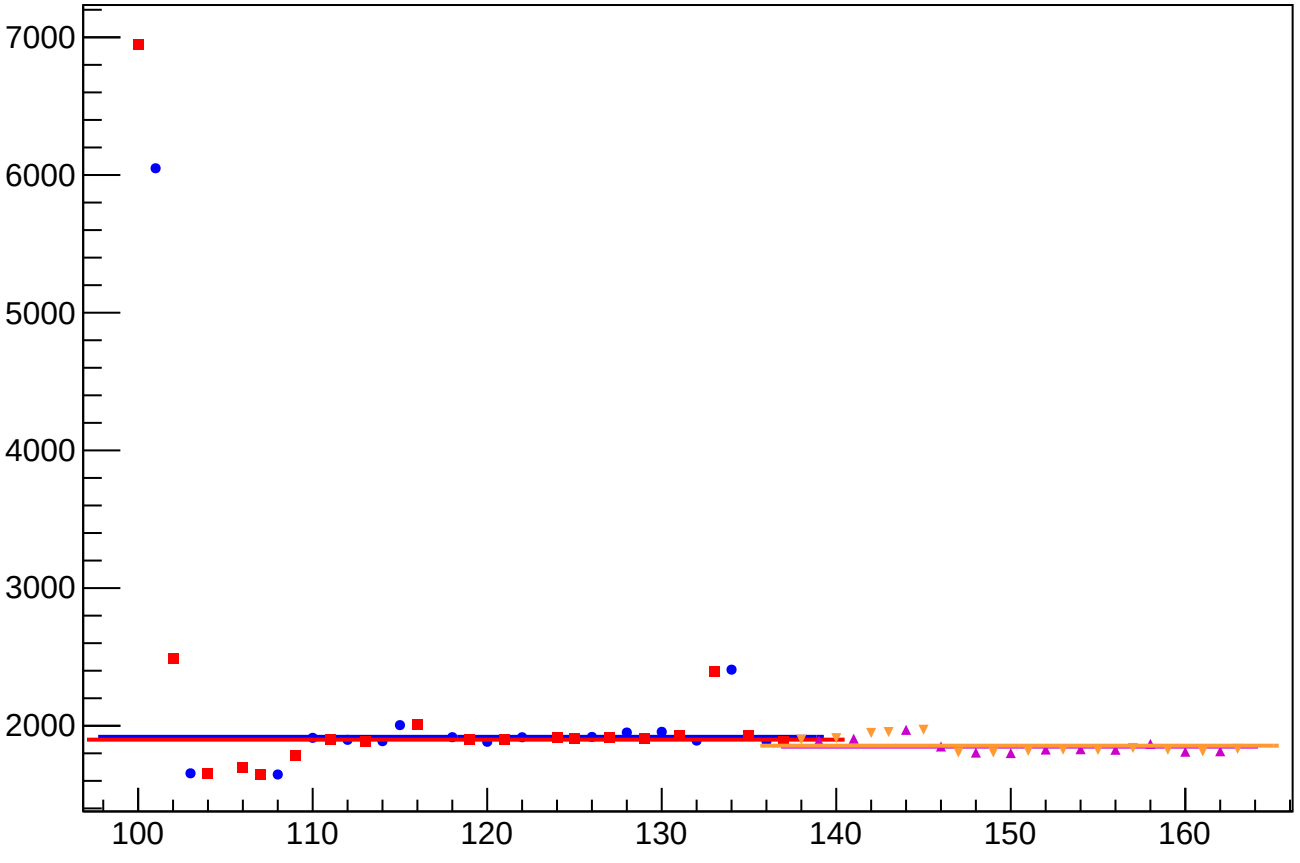
Left In: -3241.950+/-574.501 χ^2/NDF:14.5/11

+ sign 1862.864+/-441.716 χ^2/NDF: 30.8/29

All: -465.903+/-314.135 χ^2/NDF: 119.3/60

- sign -2848.964+/-446.836 χ^2/NDF: 32.2/30

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

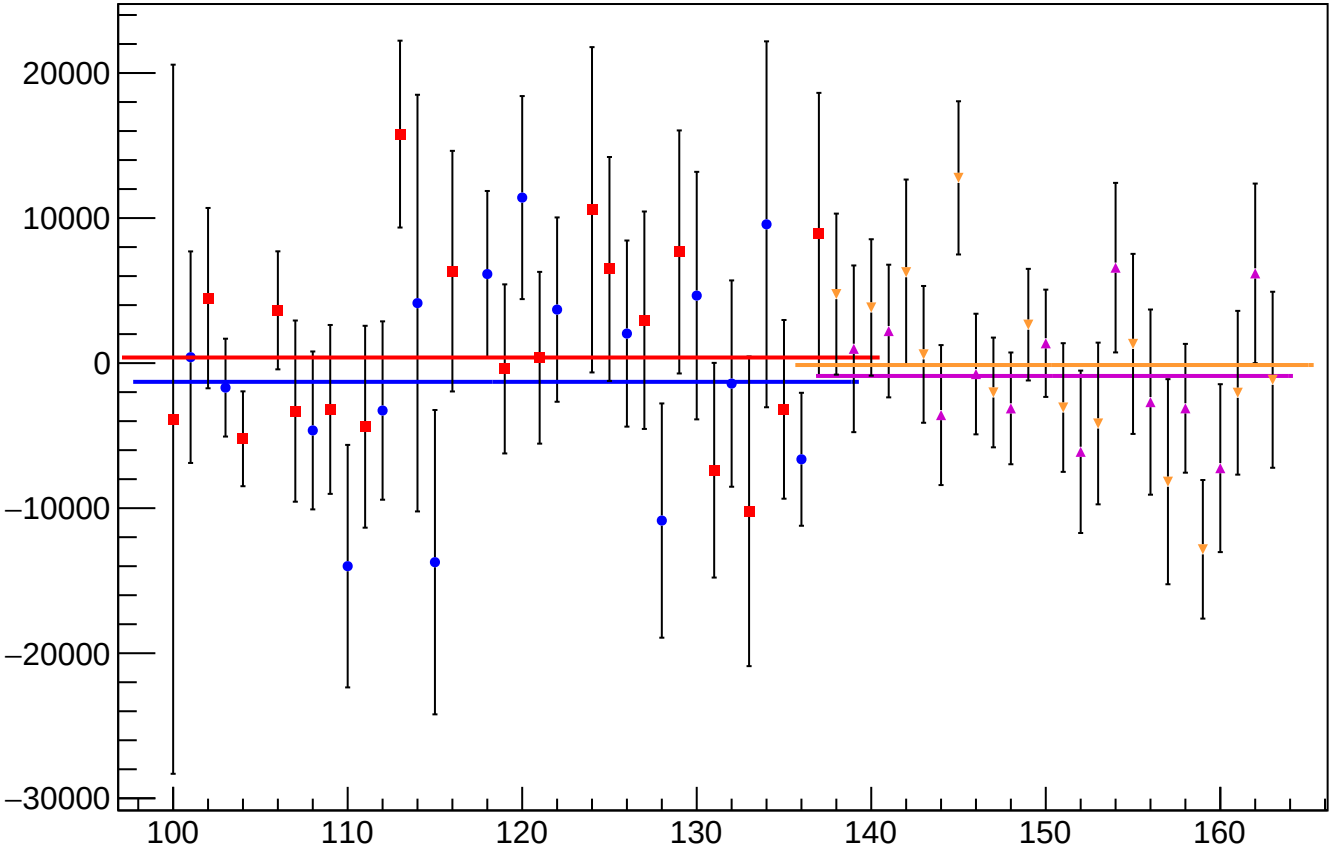
Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

+ sign 1879.012+/-0.312 χ^2/NDF: 727004.3/29

All: 1873.983+/-0.222 χ^2/NDF: 963003.8/60

- sign 1868.843+/-0.316 χ^2/NDF: 235475.3/30

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -130.928+/-1346.288 χ^2/NDF:18.8/13

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

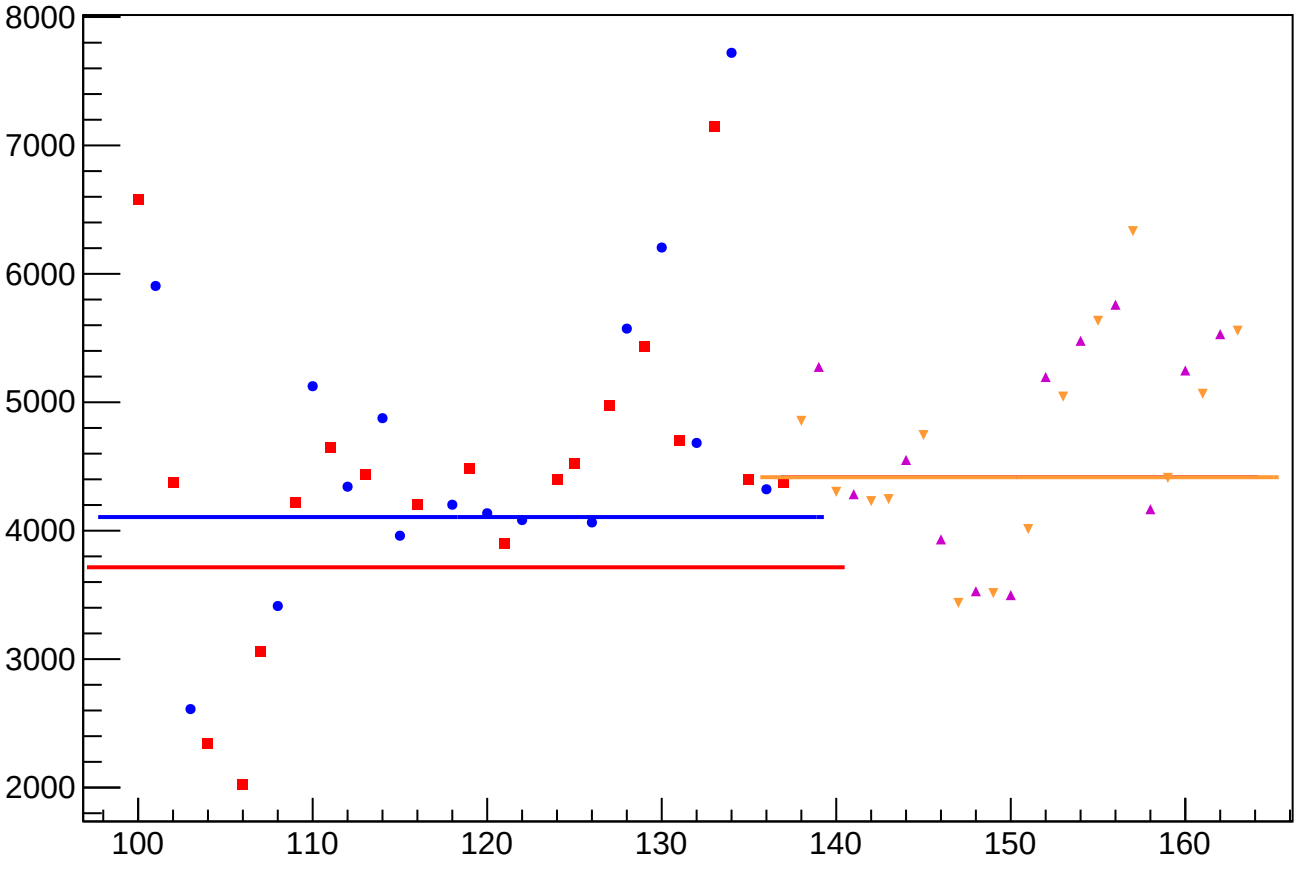
Left In: -884.889+/-1397.797 χ^2/NDF:6.9/11

+ sign -616.902+/-1026.215 χ^2/NDF: 33.3/29

All: -441.482+/-718.700 χ^2/NDF: 57.7/60

- sign -272.620+/-1006.852 χ^2/NDF: 24.3/30

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

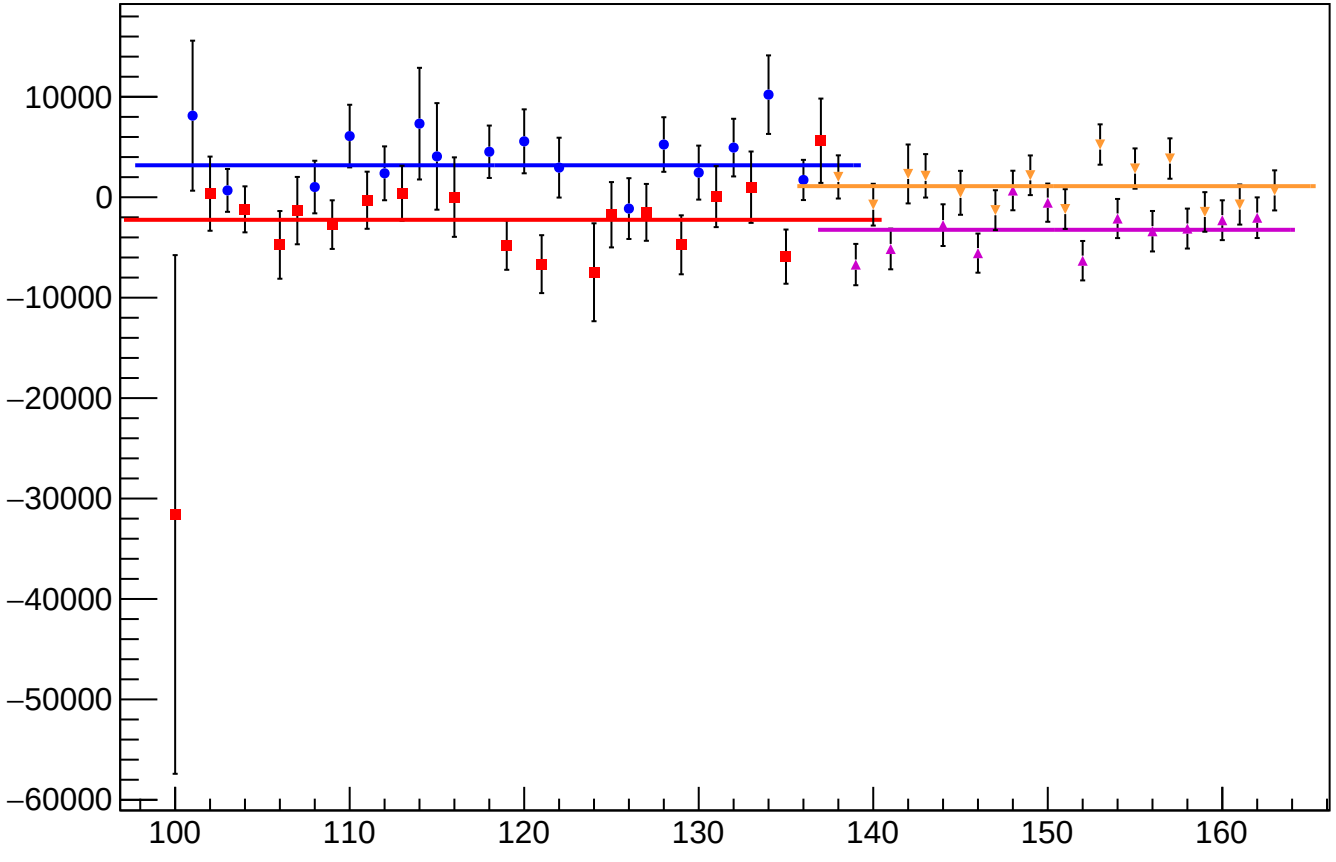
Left In: 4417.945+/-0.988 χ^2/NDF:610248.8/11

+ sign 4286.532+/-0.726 χ^2/NDF: 1632627.8/29

All: 4181.208+/-0.508 χ^2/NDF: 3862552.3/60

- sign 4079.821+/-0.712 χ^2/NDF: 2188577.5/30

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

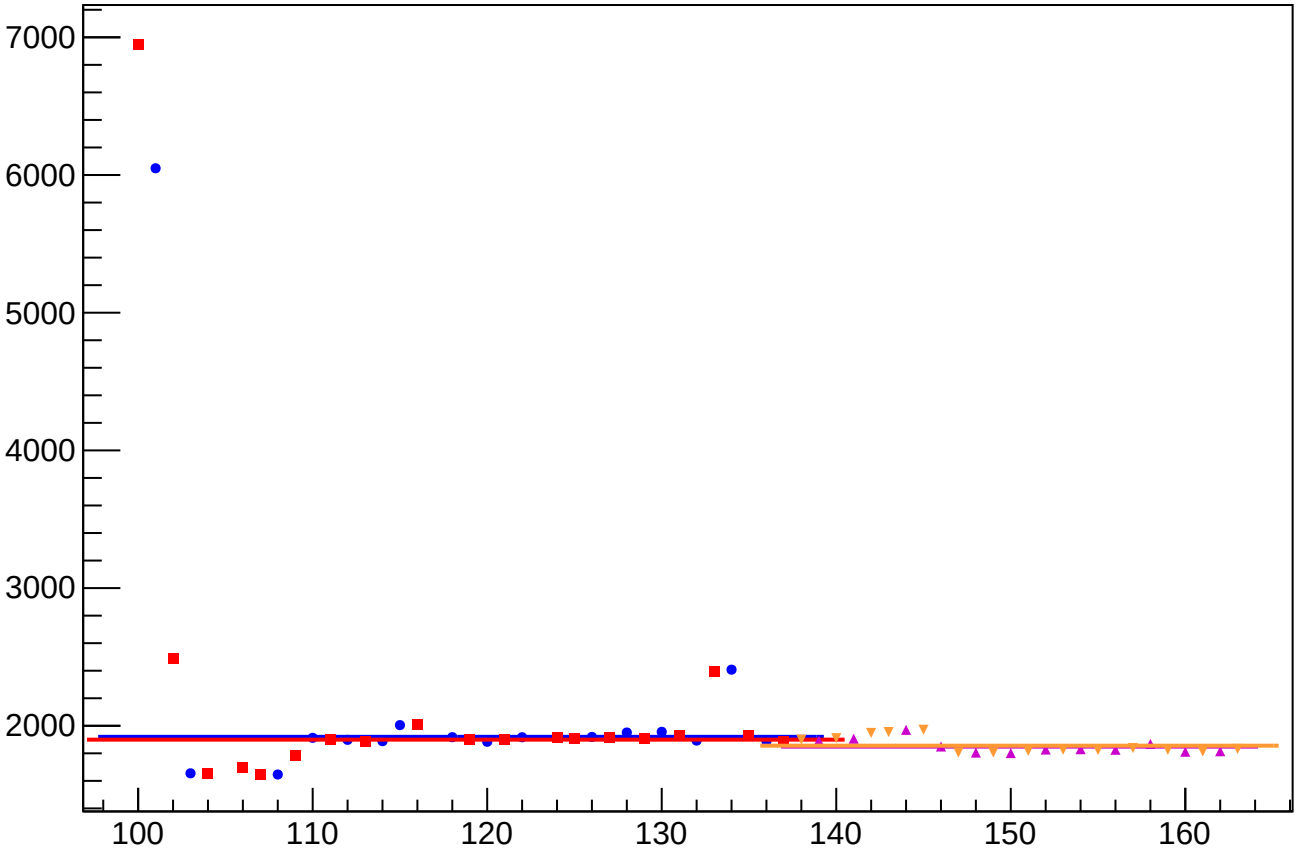
Left In: -3241.950+/-574.501 χ^2/NDF:14.5/11

+ sign 1862.864+/-441.716 χ^2/NDF: 30.8/29

All: -465.903+/-314.135 χ^2/NDF: 119.3/60

- sign -2848.964+/-446.836 χ^2/NDF: 32.2/30

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

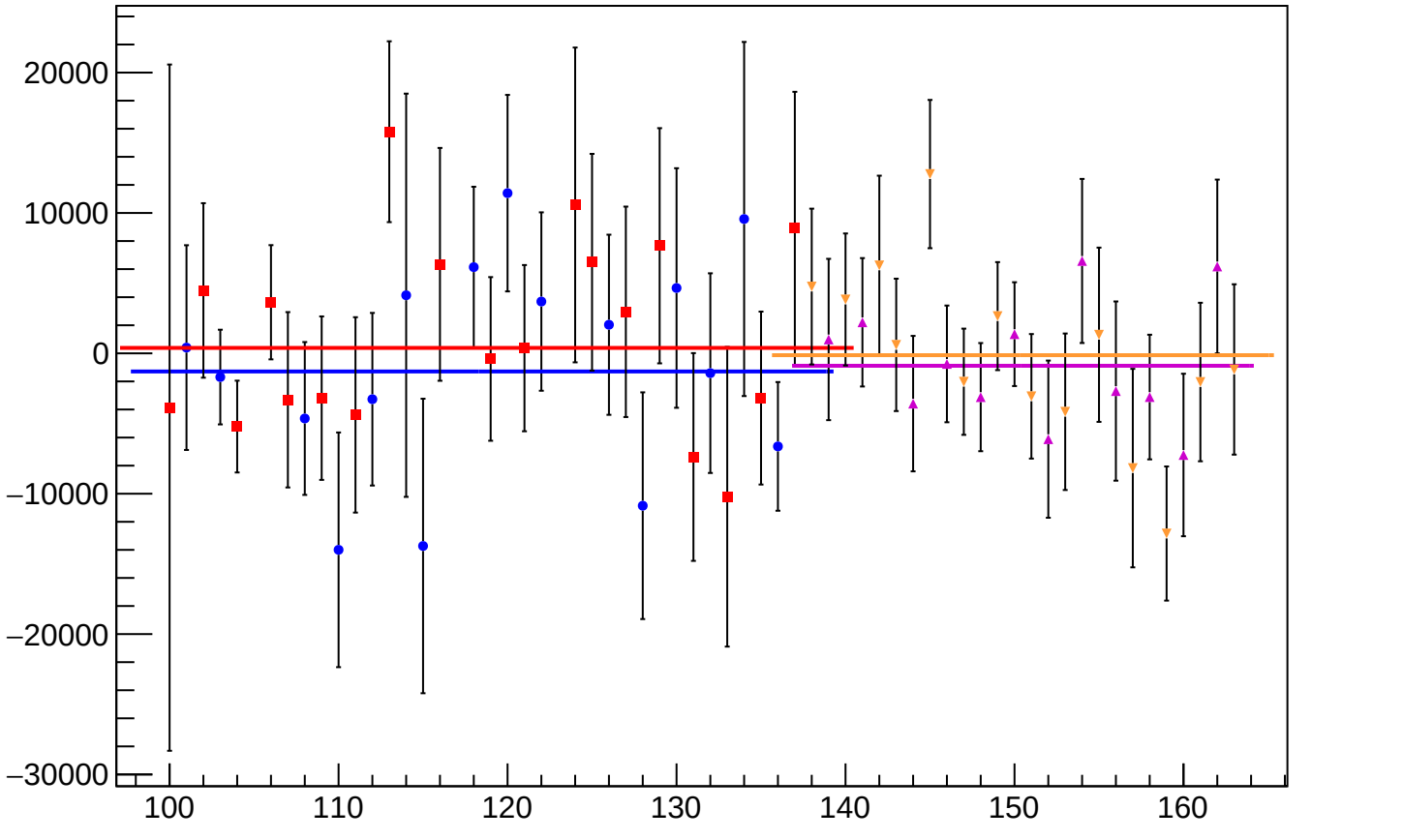
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

+ sign 1879.012+/-0.312 χ^2/NDF: 727004.3/29

All: 1873.983+/-0.222 χ^2/NDF: 963003.8/60

- sign 1868.843+/-0.316 χ^2/NDF: 235475.3/30



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -130.928+/-1346.288 χ^2/NDF:18.8/13

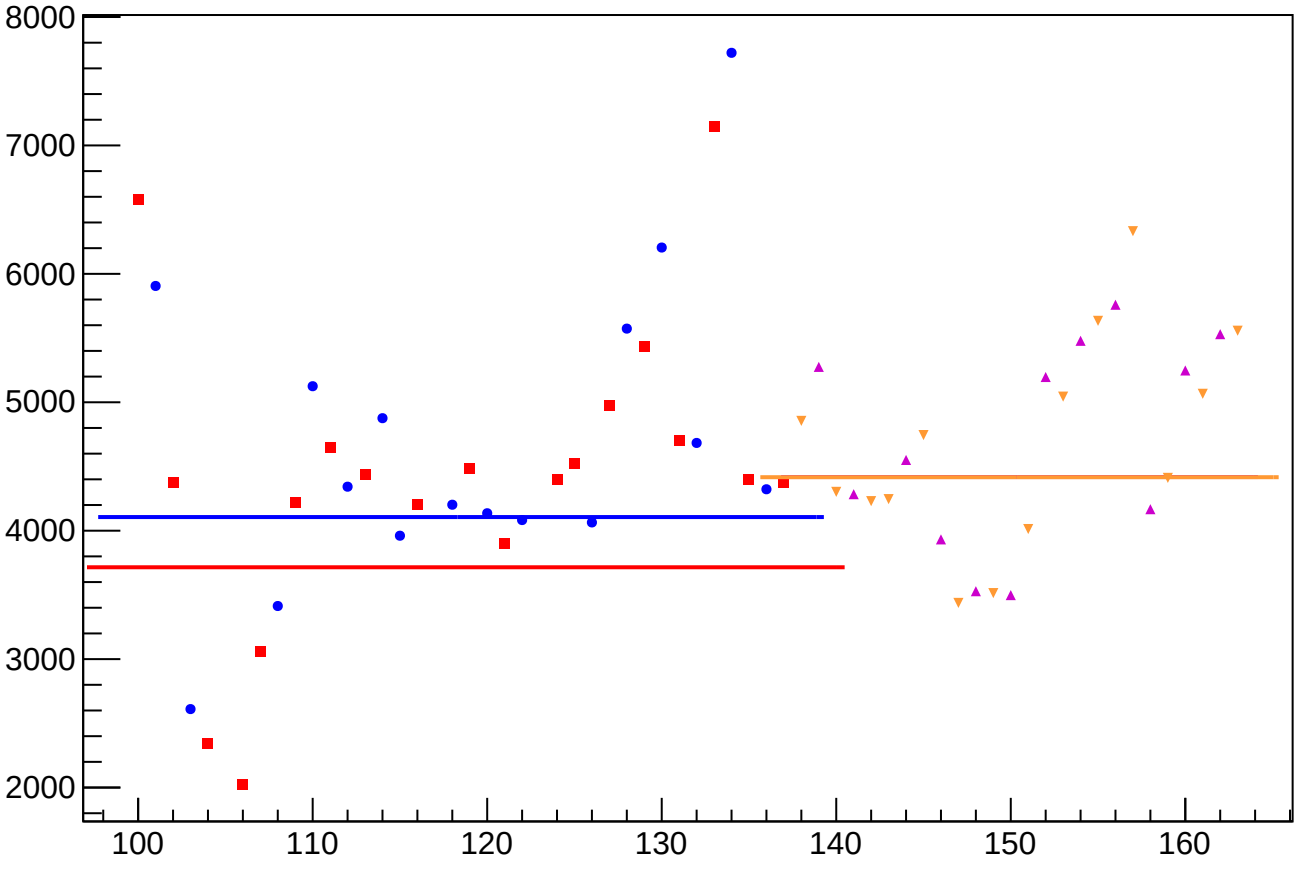
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -884.889+/-1397.797 χ^2/NDF:6.9/11

+ sign -616.902+/-1026.215 χ^2/NDF: 33.3/29

All: -441.482+/-718.700 χ^2/NDF: 57.7/60

- sign -272.620+/-1006.852 χ^2/NDF: 24.3/30



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

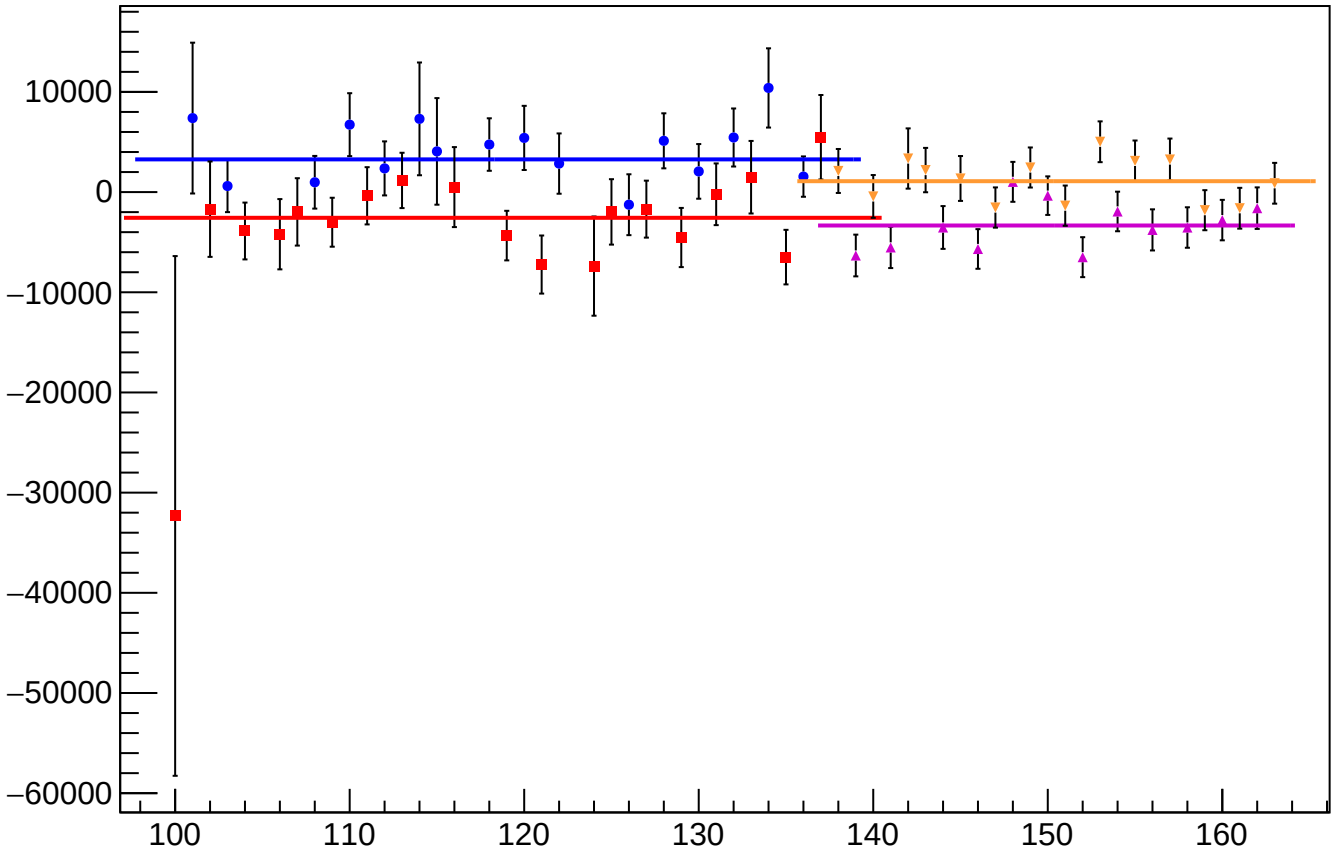
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4417.945+/-0.988 χ^2/NDF:610248.8/11

+ sign 4286.532+/-0.726 χ^2/NDF: 1632627.8/29

All: 4181.208+/-0.508 χ^2/NDF: 3862552.3/60

- sign 4079.821+/-0.712 χ^2/NDF: 2188577.5/30



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.564+/-565.273 χ^2/NDF:14.9/13

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

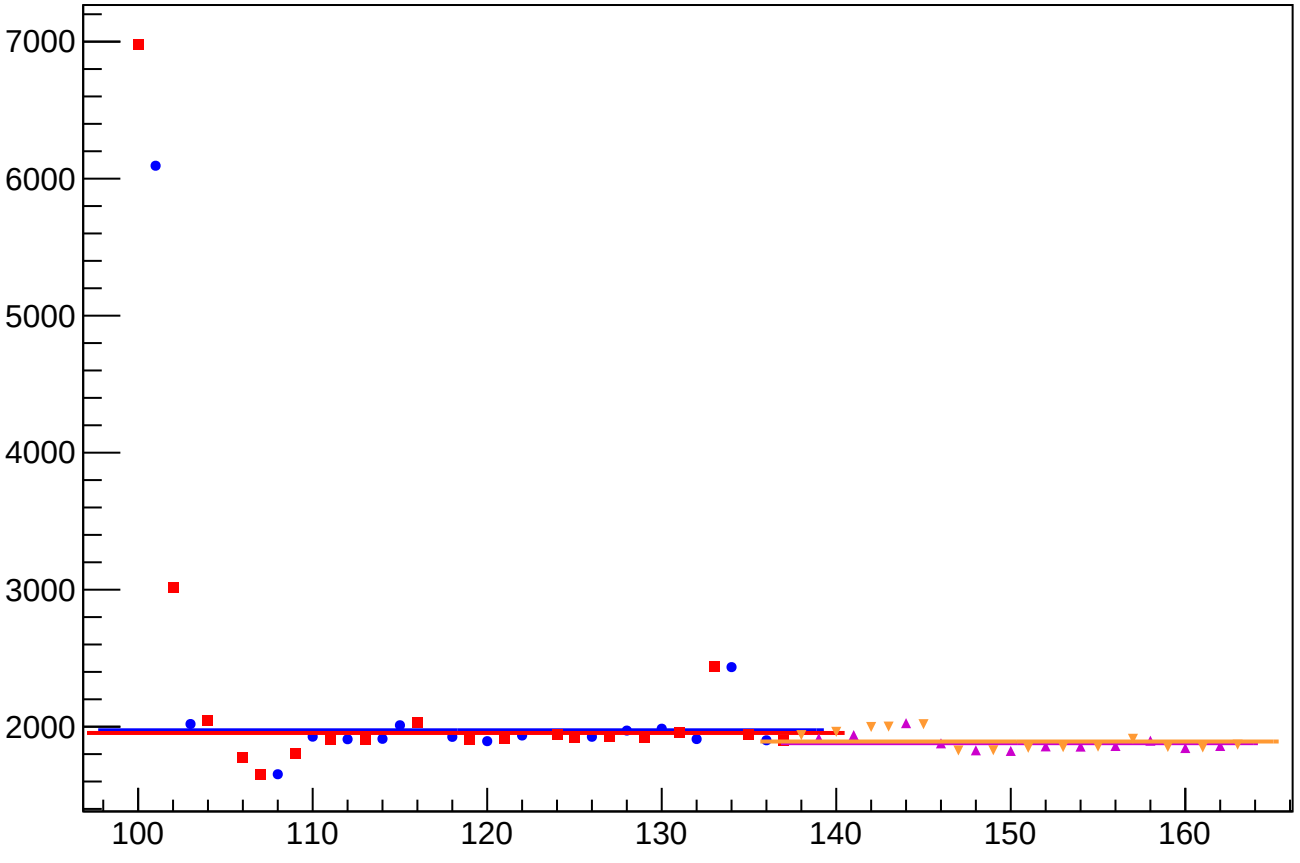
Left In: -3335.036+/-584.159 χ^2/NDF:15.6/11

+ sign 1875.092+/-451.604 χ^2/NDF: 32.4/29

All: -550.512+/-321.322 χ^2/NDF: 124.1/60

- sign -3037.522+/-457.285 χ^2/NDF: 33.3/30

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.912+/-0.400 χ^2/NDF:25586.7/13

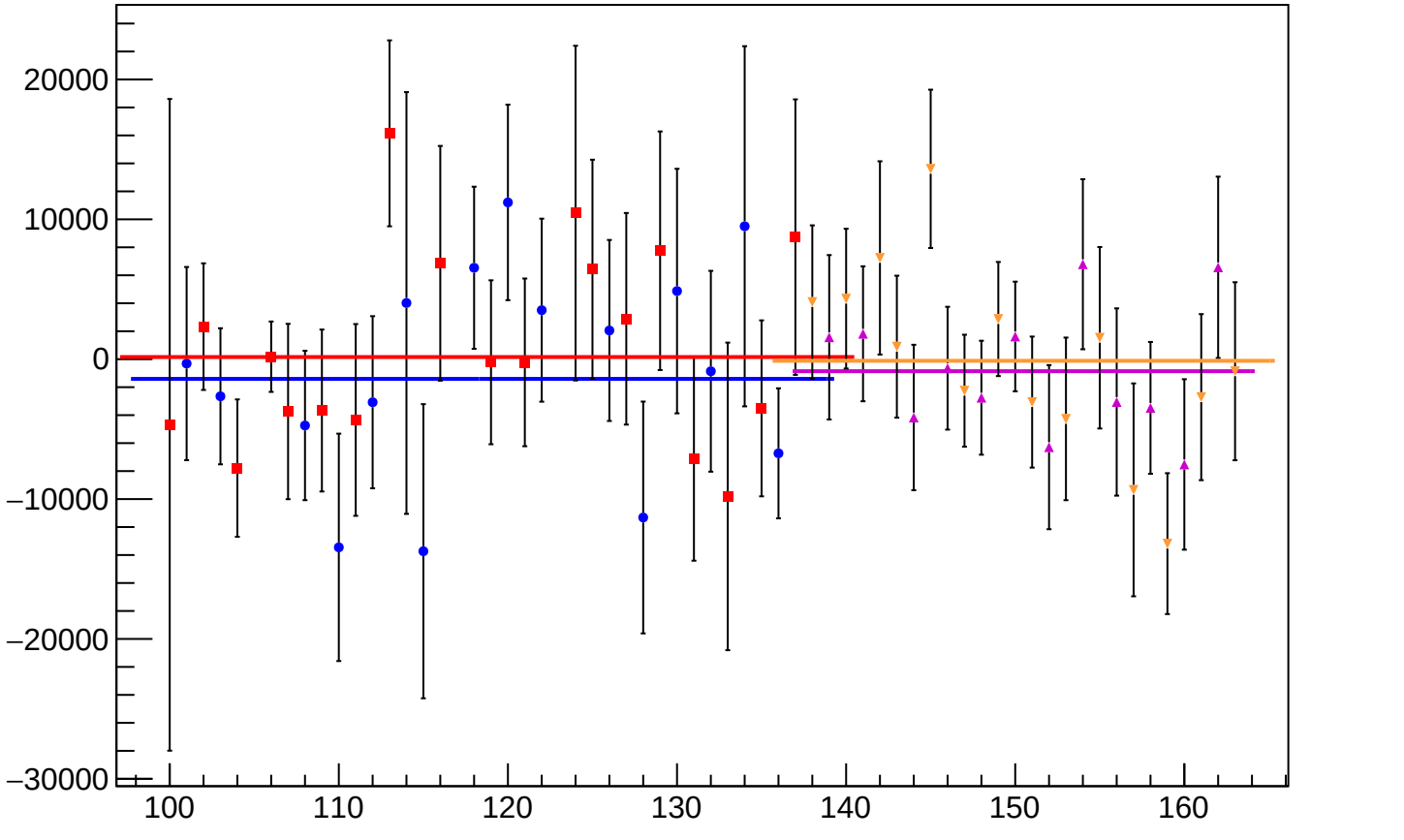
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1879.758+/-0.413 χ^2/NDF:16448.8/11

+ sign 1921.515+/-0.319 χ^2/NDF: 705874.3/29

All: 1915.169+/-0.227 χ^2/NDF: 981970.6/60

- sign 1908.668+/-0.323 χ^2/NDF: 275296.8/30



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -113.914+/-1420.620 χ^2/NDF:18.6/13

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

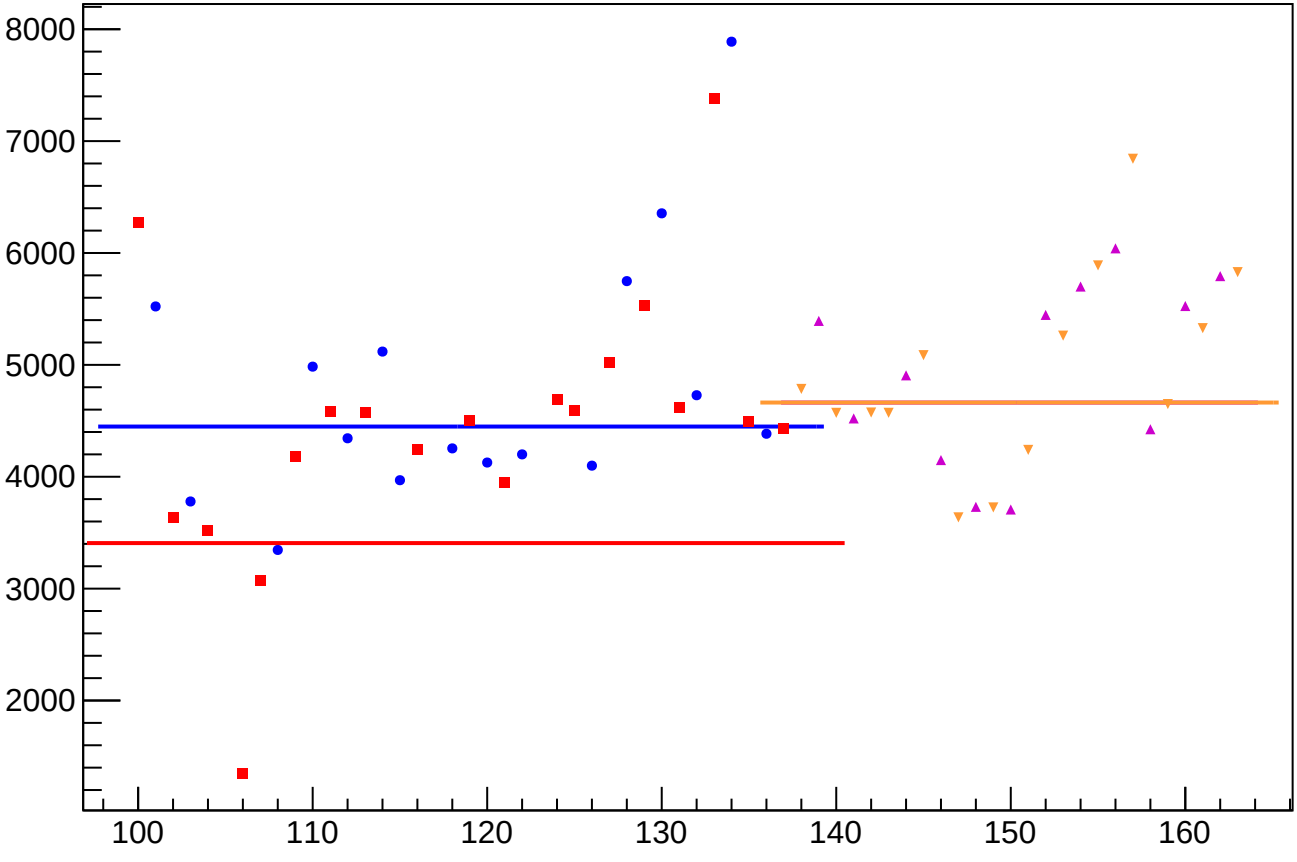
Left In: -856.787+/-1473.924 χ^2/NDF:6.9/11

+ sign -649.471+/-1087.449 χ^2/NDF: 33.2/29

All: -466.504+/-736.467 χ^2/NDF: 56.2/60

- sign -311.484+/-1000.960 χ^2/NDF: 22.9/30

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4663.328+/-1.005 χ^2/NDF:616063.3/13

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

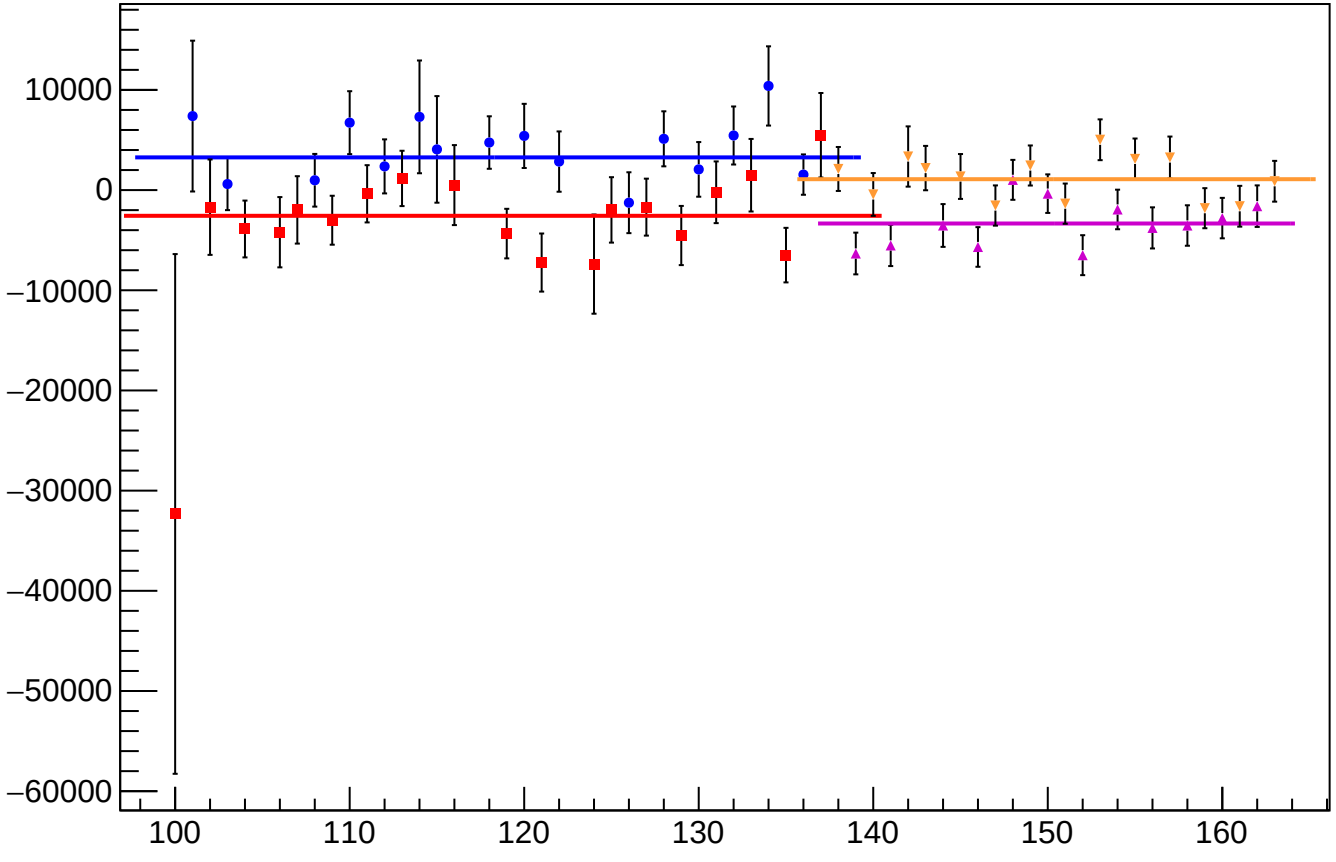
Left In: 4662.971+/-1.042 χ^2/NDF:572664.8/11

+ sign 4574.466+/-0.769 χ^2/NDF: 1129576.4/29

All: 4256.075+/-0.521 χ^2/NDF: 5127330.4/60

- sign 3986.315+/-0.708 χ^2/NDF: 3681043.8/30

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.554+/-565.273 χ^2/NDF:14.9/13

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

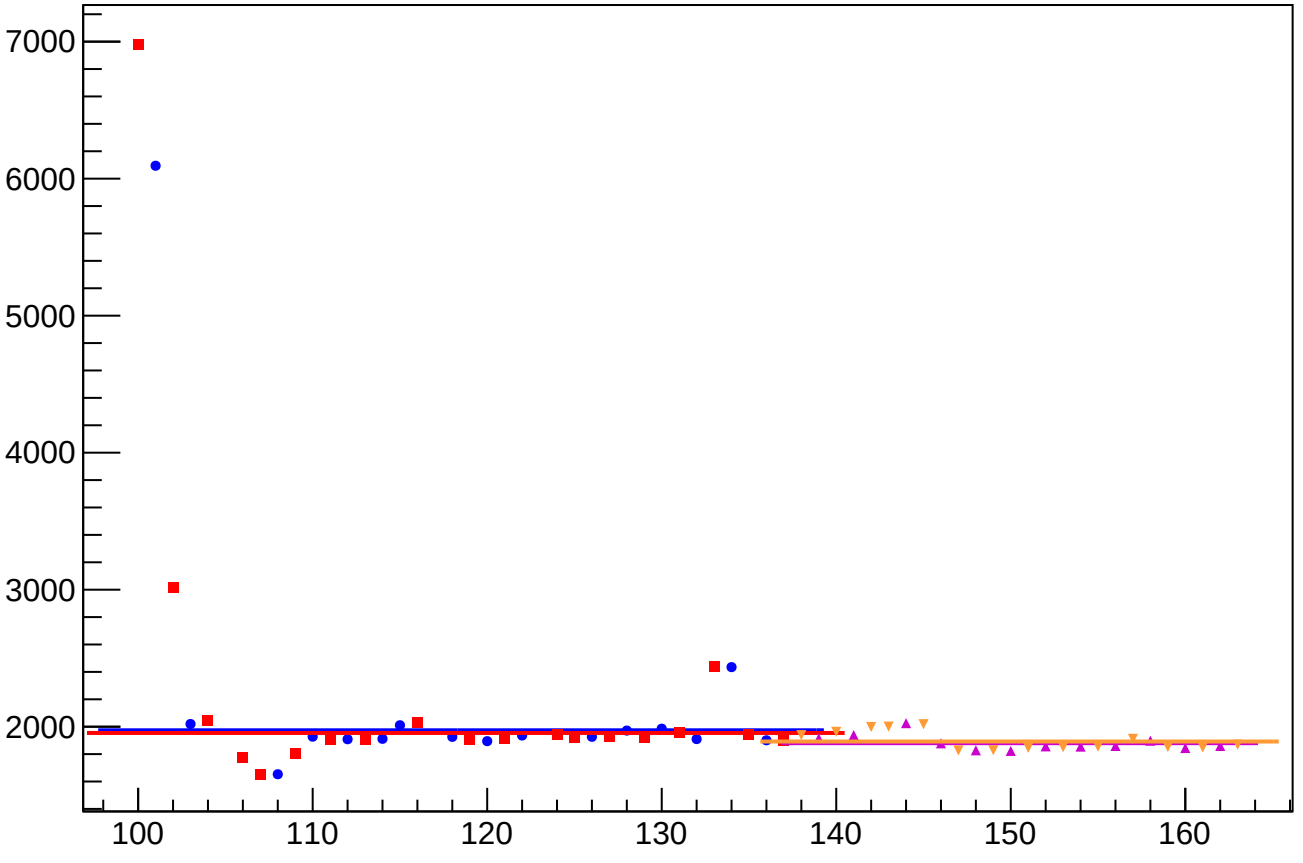
Left In: -3335.036+/-584.159 χ^2/NDF:15.6/11

+ sign 1875.088+/-451.605 χ^2/NDF: 32.4/29

All: -550.515+/-321.322 χ^2/NDF: 124.1/60

- sign -3037.524+/-457.285 χ^2/NDF: 33.3/30

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.913+/-0.400 χ^2/NDF:25586.7/13

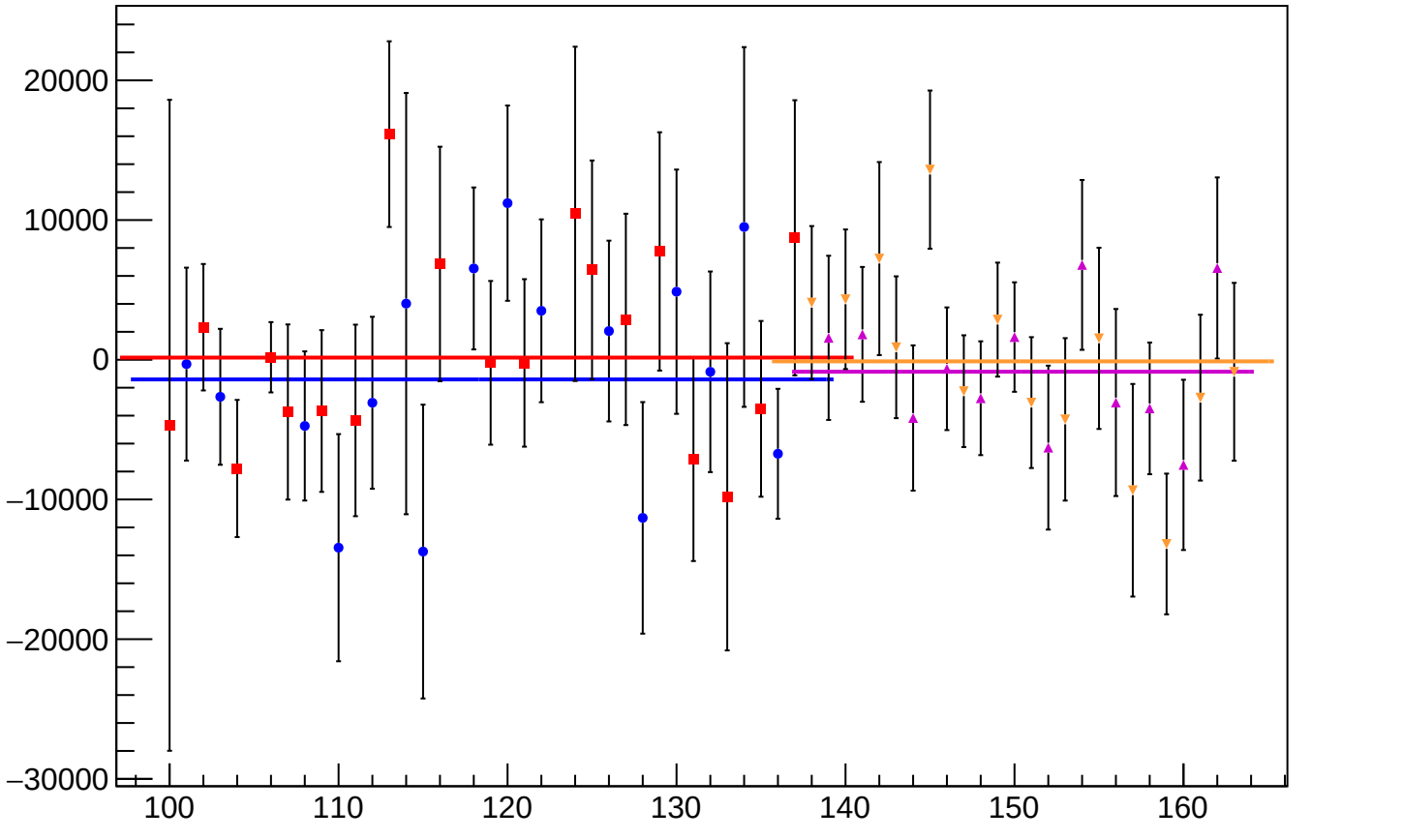
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1879.759+/-0.413 χ^2/NDF:16448.7/11

+ sign 1921.515+/-0.319 χ^2/NDF: 705873.9/29

All: 1915.170+/-0.227 χ^2/NDF: 981969.3/60

- sign 1908.668+/-0.323 χ^2/NDF: 275295.9/30



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -113.920+/-1420.622 χ^2/NDF:18.6/13

Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

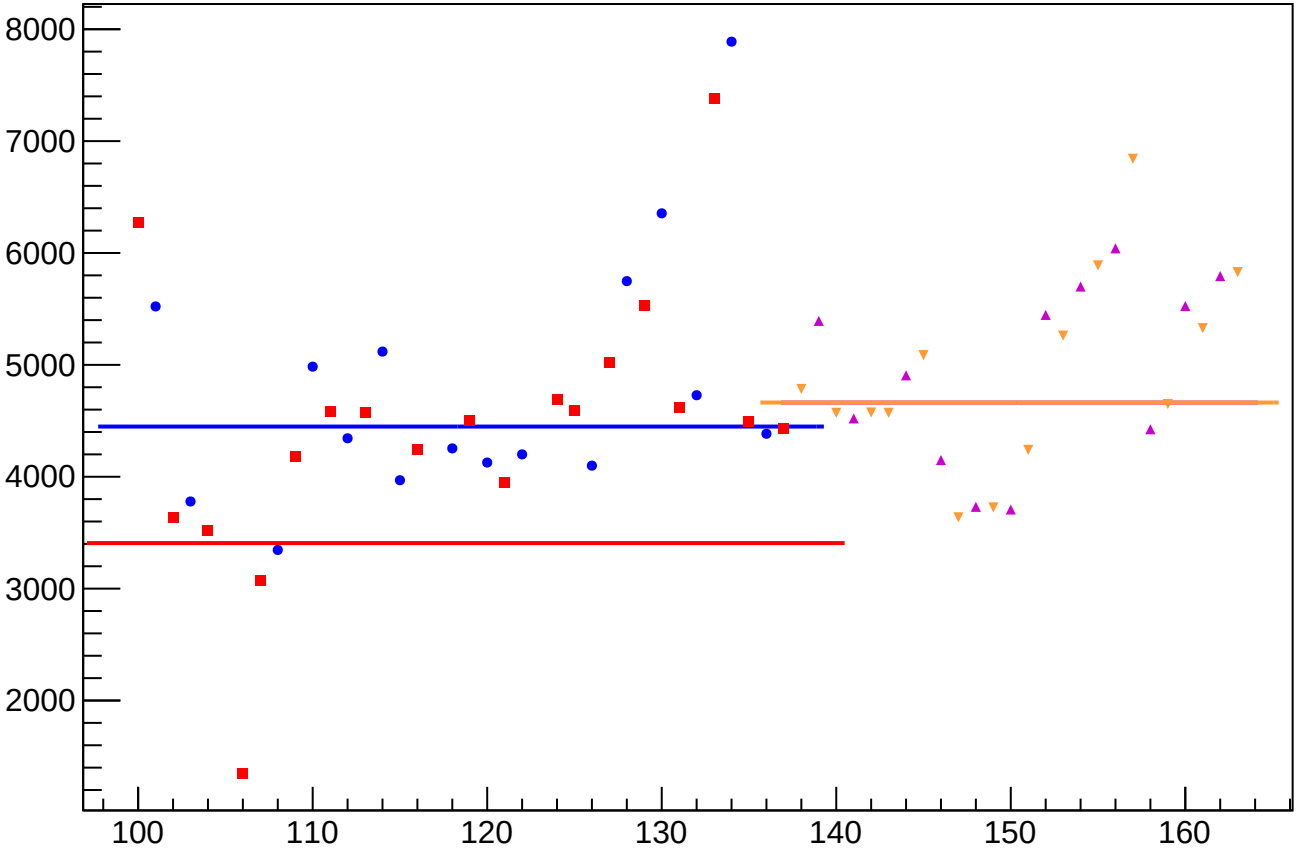
Left In: -856.787+/-1473.926 χ^2/NDF:6.9/11

+ sign -649.469+/-1087.449 χ^2/NDF: 33.2/29

All: -466.501+/-736.466 χ^2/NDF: 56.2/60

- sign -311.481+/-1000.960 χ^2/NDF: 22.9/30

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4663.335+/-1.005 χ^2/NDF:616063.2/13

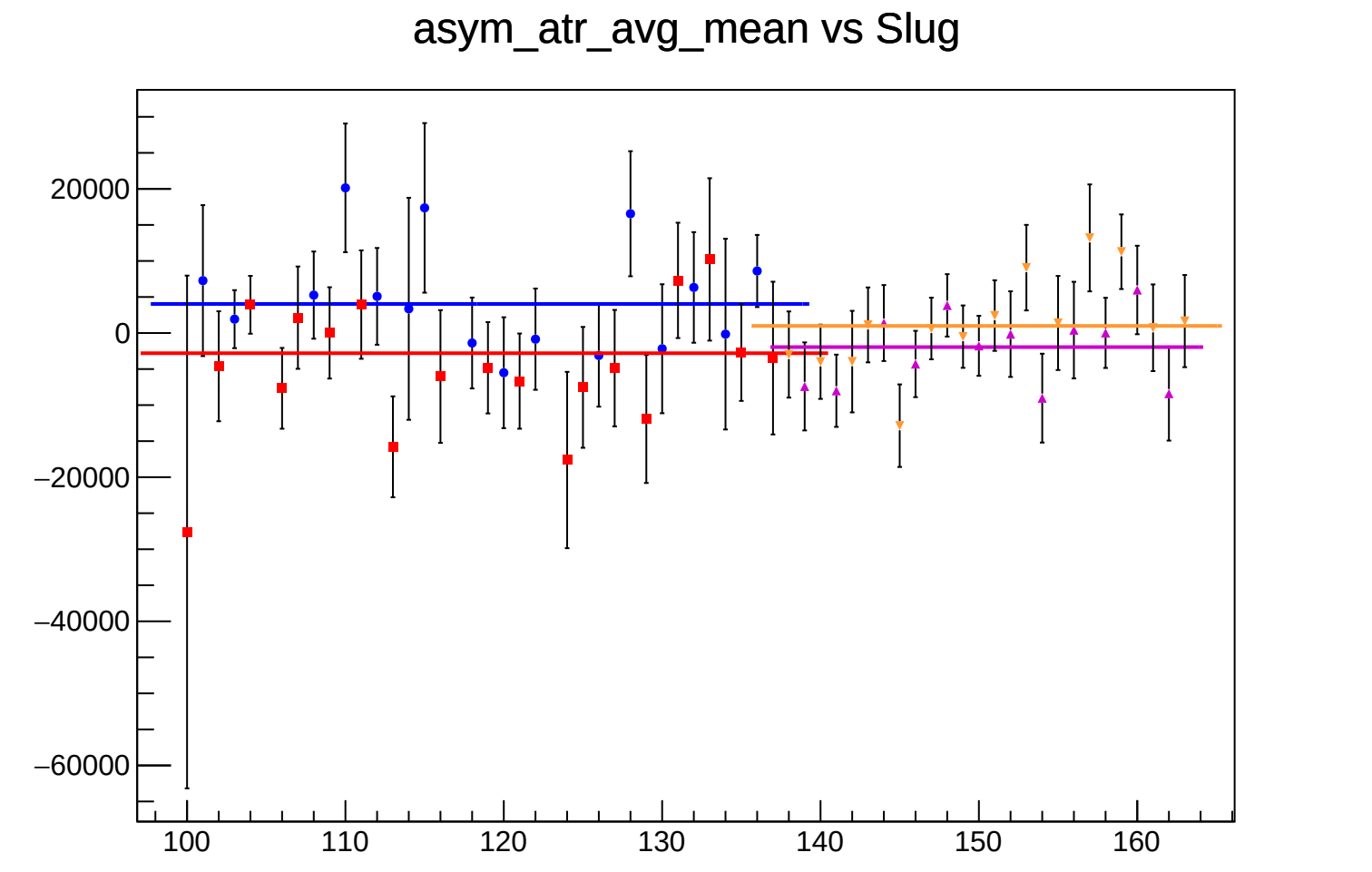
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4662.978+/-1.042 χ^2/NDF:572662.8/11

+ sign 4574.467+/-0.769 χ^2/NDF: 1129575.9/29

All: 4256.073+/-0.521 χ^2/NDF: 5127355.4/60

- sign 3986.312+/-0.708 χ^2/NDF: 3681064.5/30



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 987.757+/-1470.493 χ^2/NDF:16.5/13

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

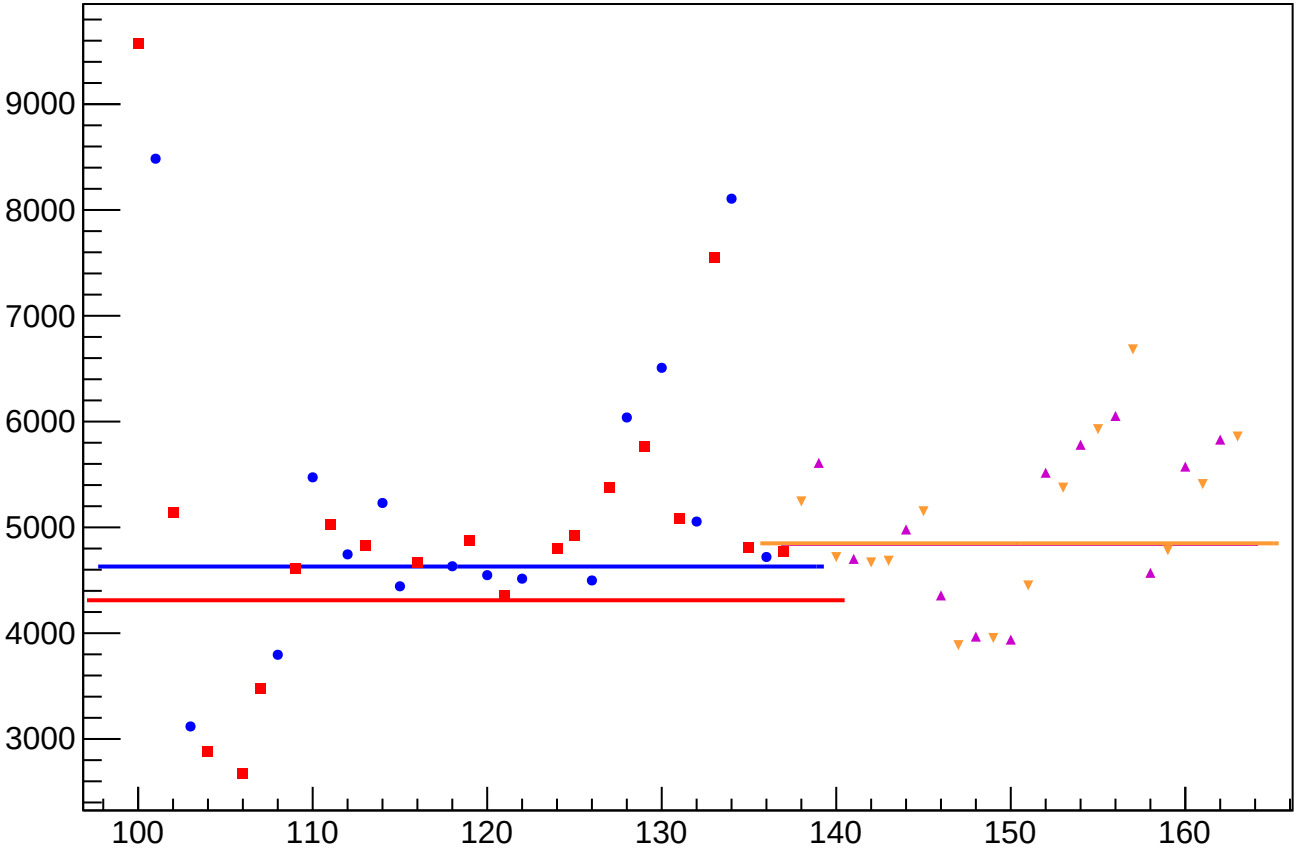
Left In: -1951.349+/-1524.846 χ^2/NDF:9.1/11

+ sign 2221.984+/-1134.200 χ^2/NDF: 30.5/29

All: -72.757+/-799.311 χ^2/NDF: 63.3/60

- sign -2336.972+/-1126.630 χ^2/NDF: 24.6/30

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4849.123+/-1.040 χ^2/NDF:478899.2/13

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

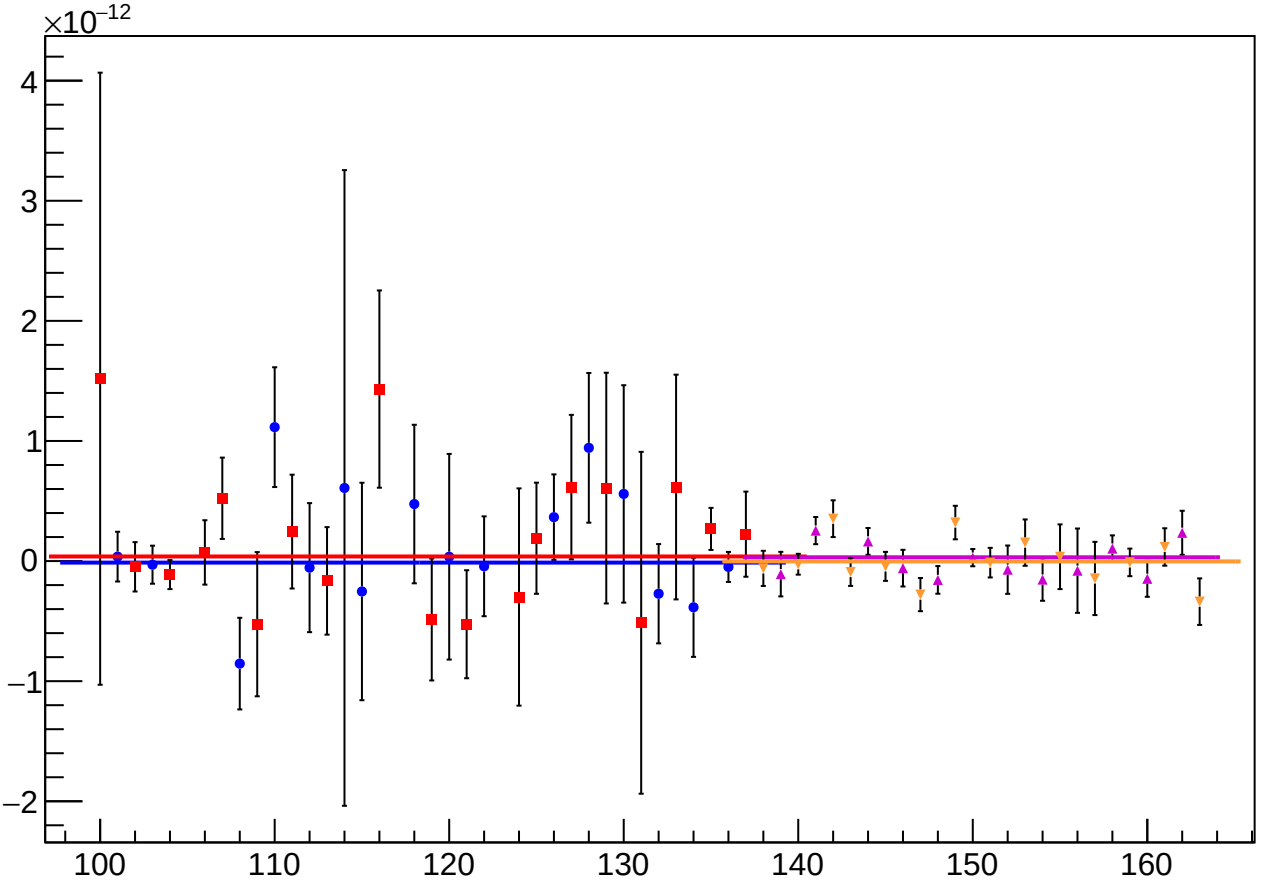
Left In: 4842.930+/-1.078 χ^2/NDF:450386.1/11

+ sign 4760.346+/-0.802 χ^2/NDF: 1397140.8/29

All: 4678.907+/-0.564 χ^2/NDF: 2884147.2/60

- sign 4599.186+/-0.793 χ^2/NDF: 1466601.2/30

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:20.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

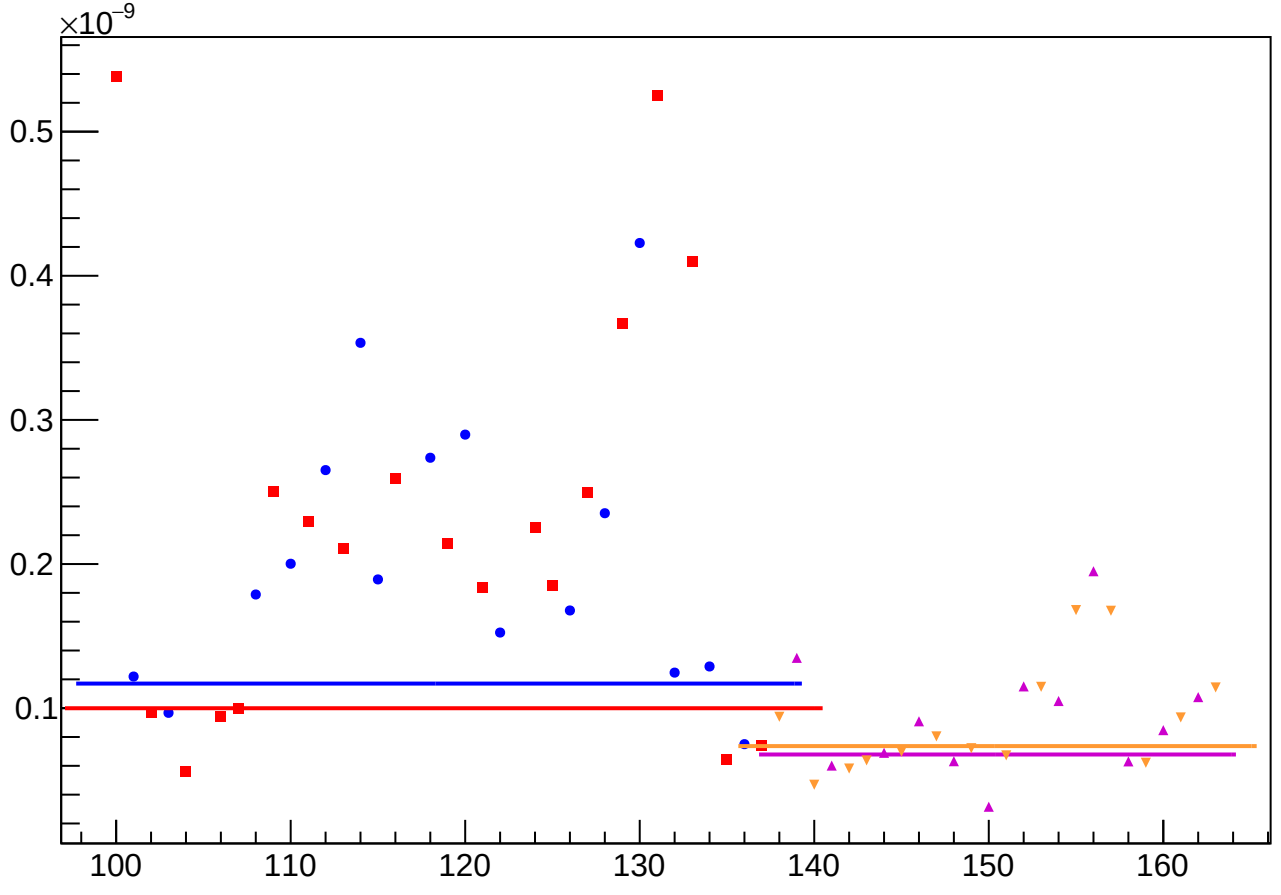
Left In: 0.000+/-0.000 χ^2/NDF:13.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 36.1/29

All: 0.000+/-0.000 χ^2/NDF: 65.2/60

- sign 0.000+/-0.000 χ^2/NDF: 28.4/30

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:944647.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

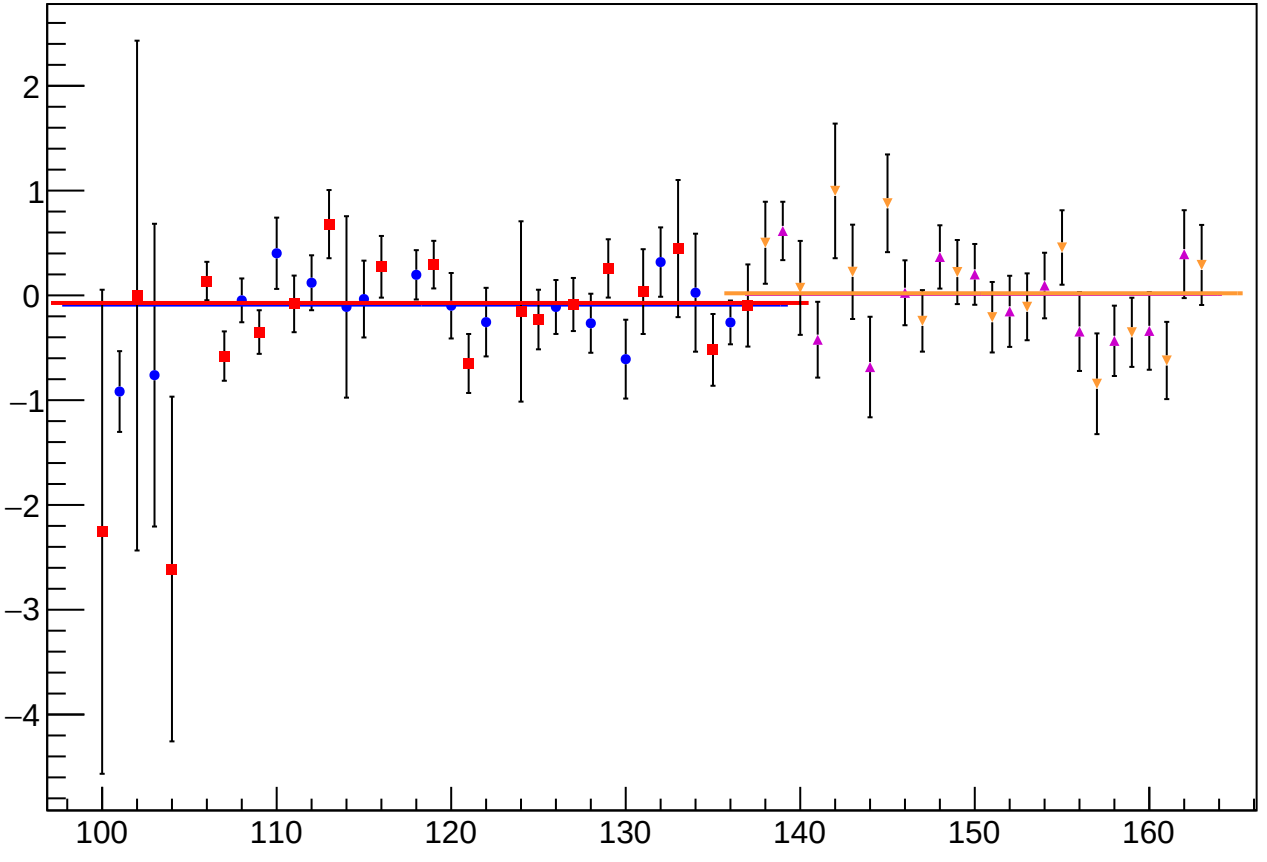
Left In: 0.000+/-0.000 χ^2/NDF:1412446.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 2578310.4/29

All: 0.000+/-0.000 χ^2/NDF: 6195769.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3565515.1/30

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

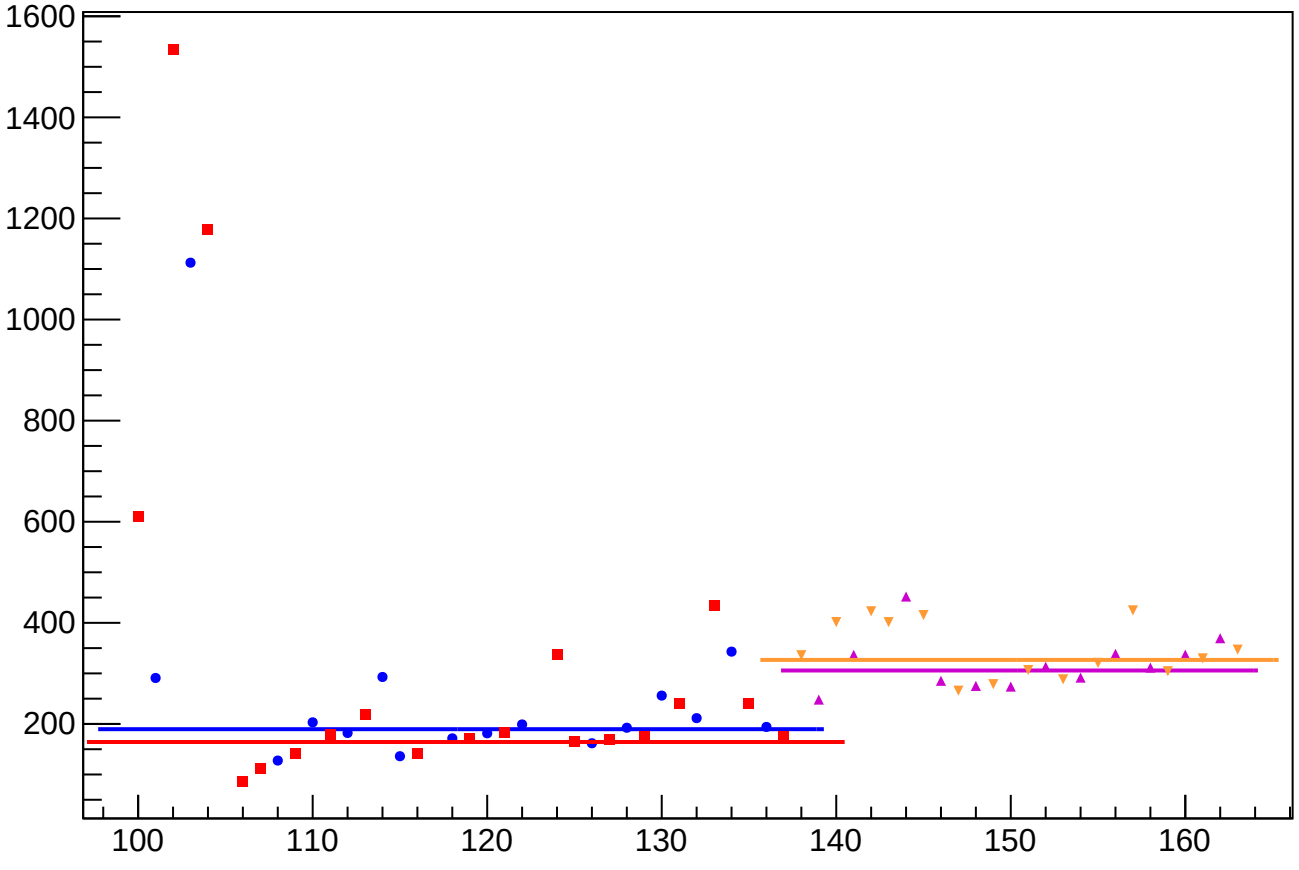
Left In: 0.014+/-0.097 χ^2/NDF:14.7/11

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.045+/-0.042 χ^2/NDF: 77.4/60

- sign -0.043+/-0.057 χ^2/NDF: 43.9/30

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 326.697+/-0.071 χ^2/NDF:499017.4/13

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

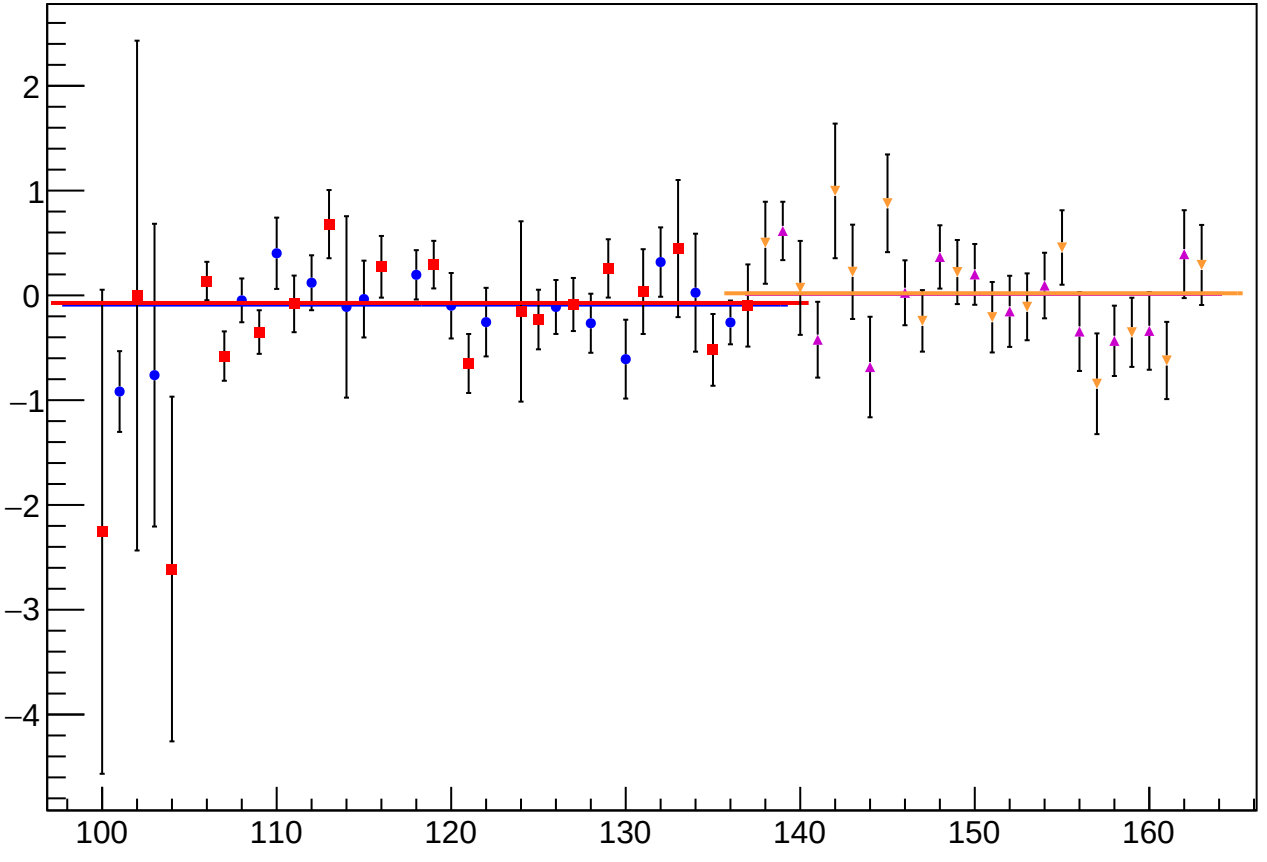
Left In: 305.749+/-0.069 χ^2/NDF:420759.0/11

+ sign 240.475+/-0.043 χ^2/NDF: 4329666.9/29

All: 225.589+/-0.029 χ^2/NDF: 10407856.1/60

- sign 212.632+/-0.040 χ^2/NDF: 5854586.6/30

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: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

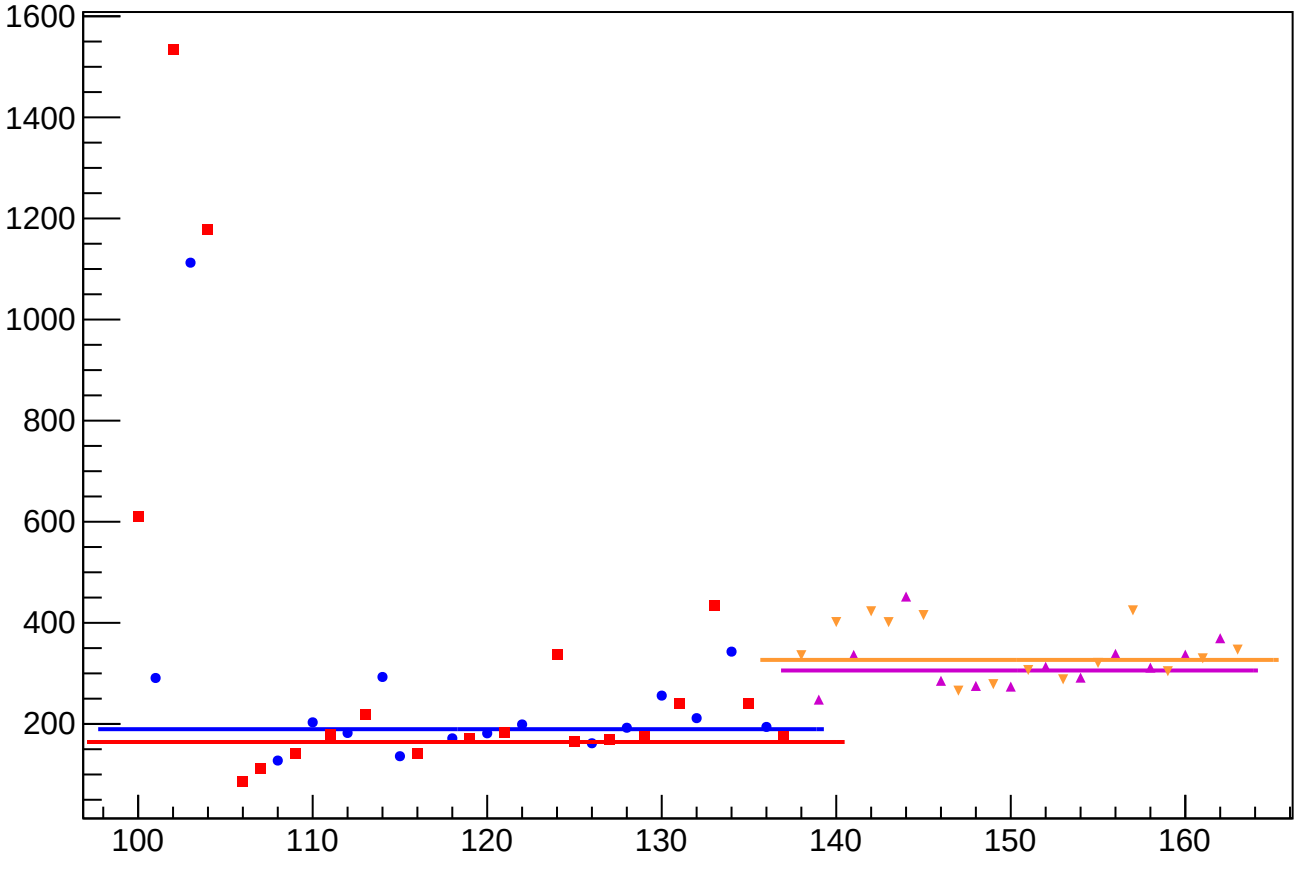
Left In: 0.014+/-0.097 χ^2/NDF:14.7/11

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.045+/-0.042 χ^2/NDF: 77.4/60

- sign -0.043+/-0.057 χ^2/NDF: 43.9/30

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: 326.697+/-0.071 χ^2/NDF:499017.4/13

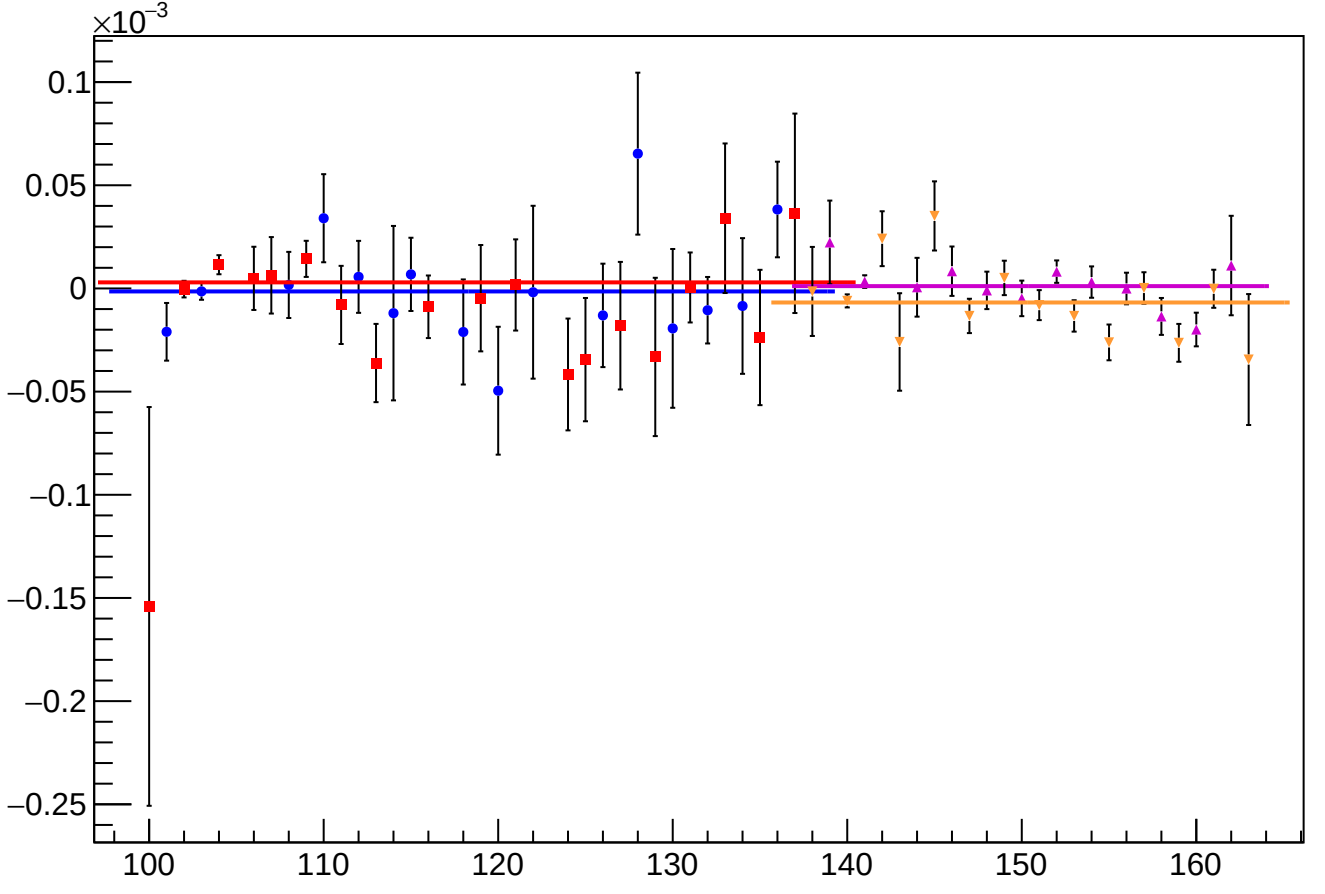
Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 305.749+/-0.069 χ^2/NDF:420759.0/11

+ sign 240.475+/-0.043 χ^2/NDF: 4329666.9/29

All: 225.589+/-0.029 χ^2/NDF: 10407856.1/60

- sign 212.632+/-0.040 χ^2/NDF: 5854586.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/13

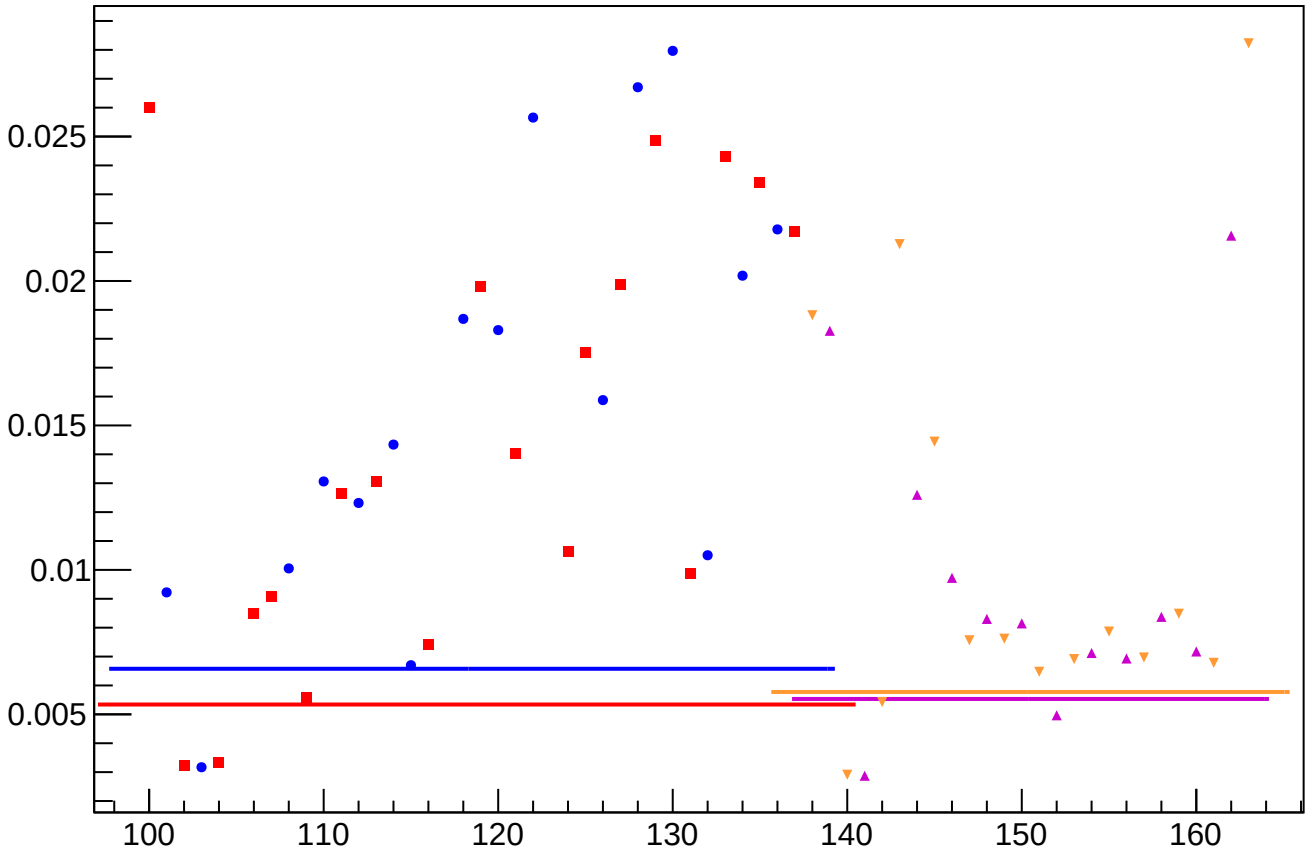
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/29

All: -0.000+/-0.000 χ^2/NDF: 88.6/60

- sign 0.000+/-0.000 χ^2/NDF: 35.4/30



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:5375695.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

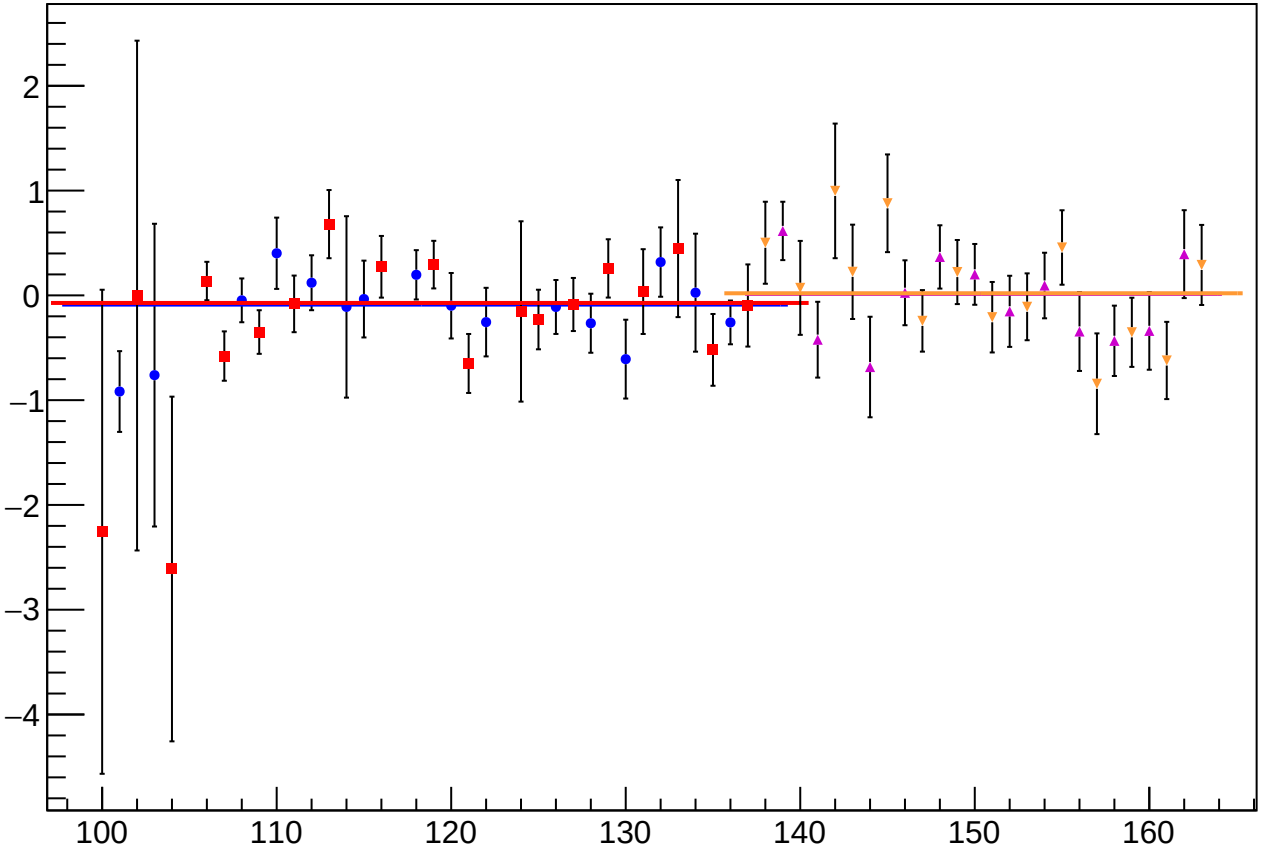
Left In: 0.006+/-0.000 χ^2/NDF:4753191.8/11

+ sign 0.006+/-0.000 χ^2/NDF: 11388043.6/29

All: 0.006+/-0.000 χ^2/NDF: 21938769.9/60

- sign 0.005+/-0.000 χ^2/NDF: 10446065.4/30

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: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

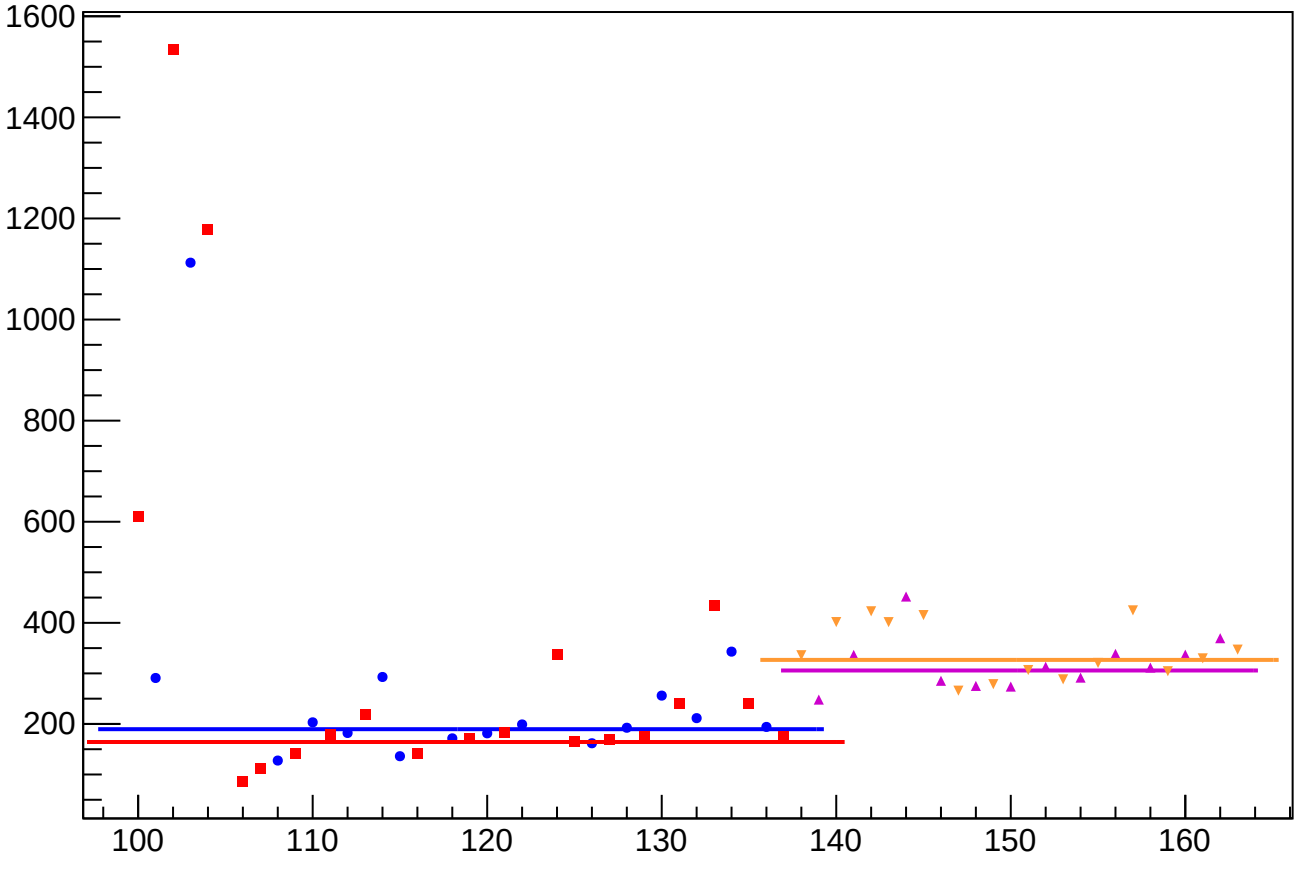
Left In: 0.014+/-0.097 χ^2/NDF:14.7/11

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.045+/-0.042 χ^2/NDF: 77.4/60

- sign -0.043+/-0.057 χ^2/NDF: 43.9/30

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: 326.702+/-0.071 χ^2/NDF:499009.9/13

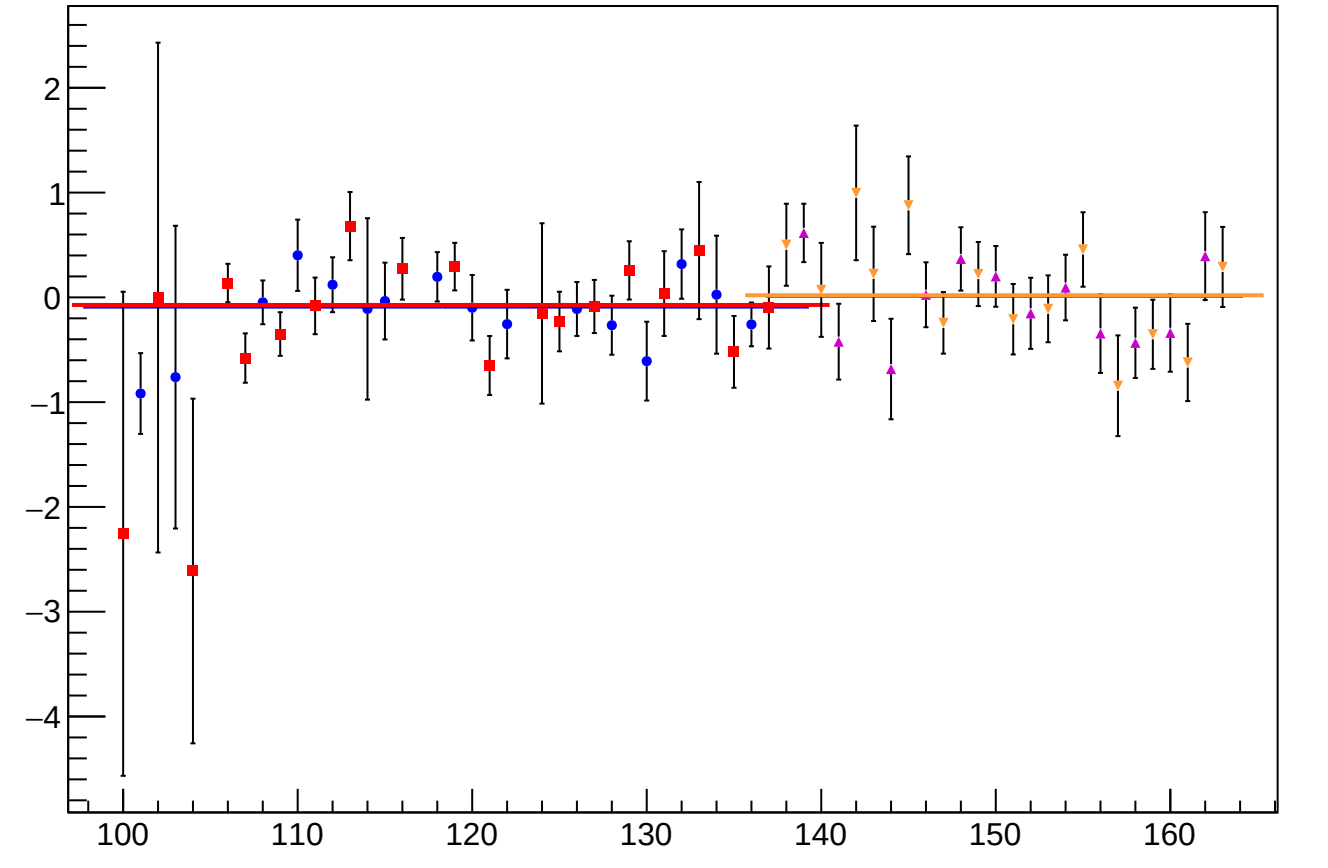
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 305.753+/-0.069 χ^2/NDF:420751.1/11

+ sign 240.475+/-0.043 χ^2/NDF: 4329805.1/29

All: 225.589+/-0.029 χ^2/NDF: 10408122.3/60

- sign 212.632+/-0.040 χ^2/NDF: 5854708.1/30



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

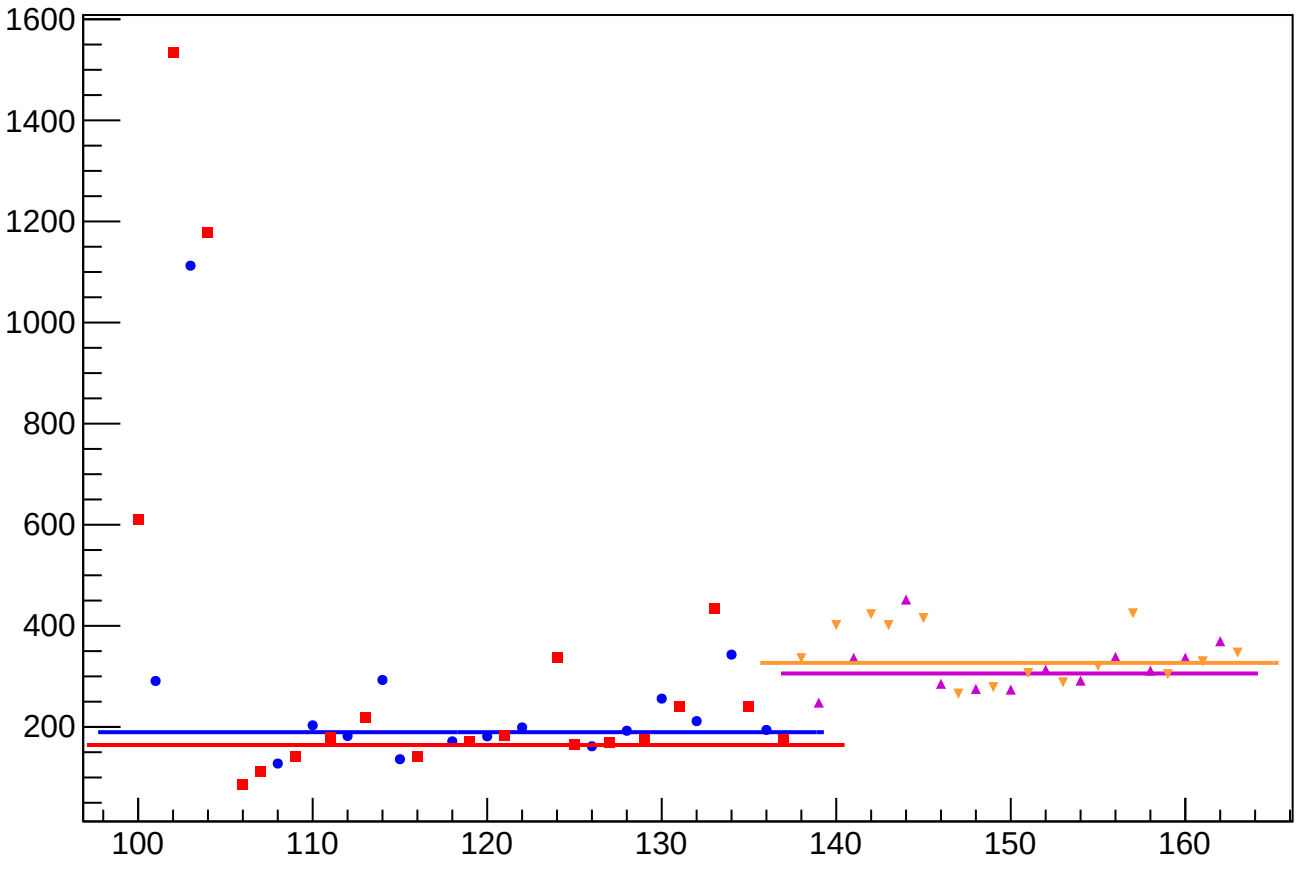
Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

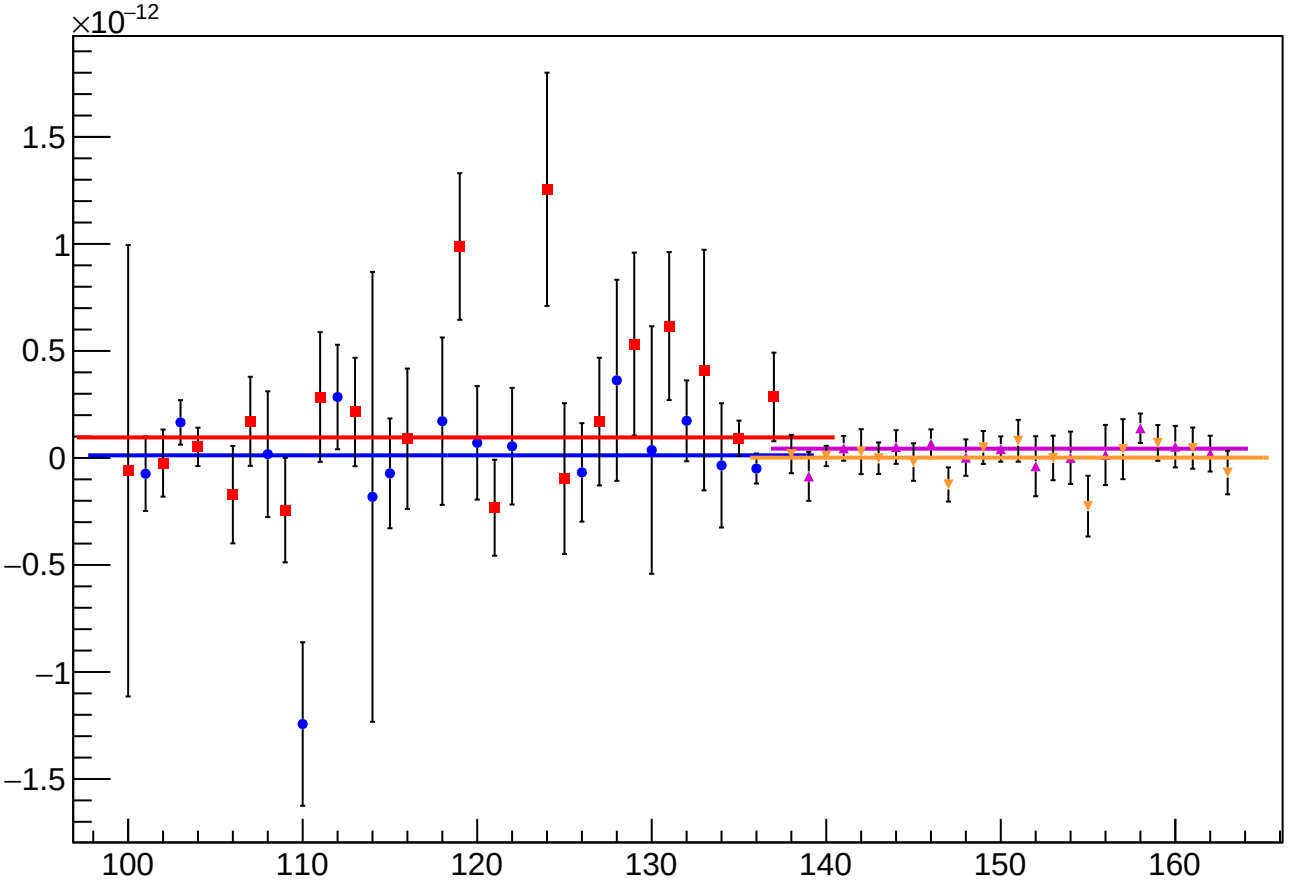
Left In: 0.014+/-0.097 χ^2/NDF:14.7/11

+ sign -0.048+/-0.061 χ^2/NDF: 33.5/29

All: -0.045+/-0.042 χ^2/NDF: 77.4/60

- sign -0.043+/-0.057 χ^2/NDF: 43.9/30


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 326.702+/-0.071 χ²/NDF:499009.9/13
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 305.753+/-0.069 χ²/NDF:420751.1/11
+ sign 240.475+/-0.043 χ²/NDF: 4329805.1/29
All: 225.589+/-0.029 χ²/NDF: 10408122.3/60
- sign 212.632+/-0.040 χ²/NDF: 5854708.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

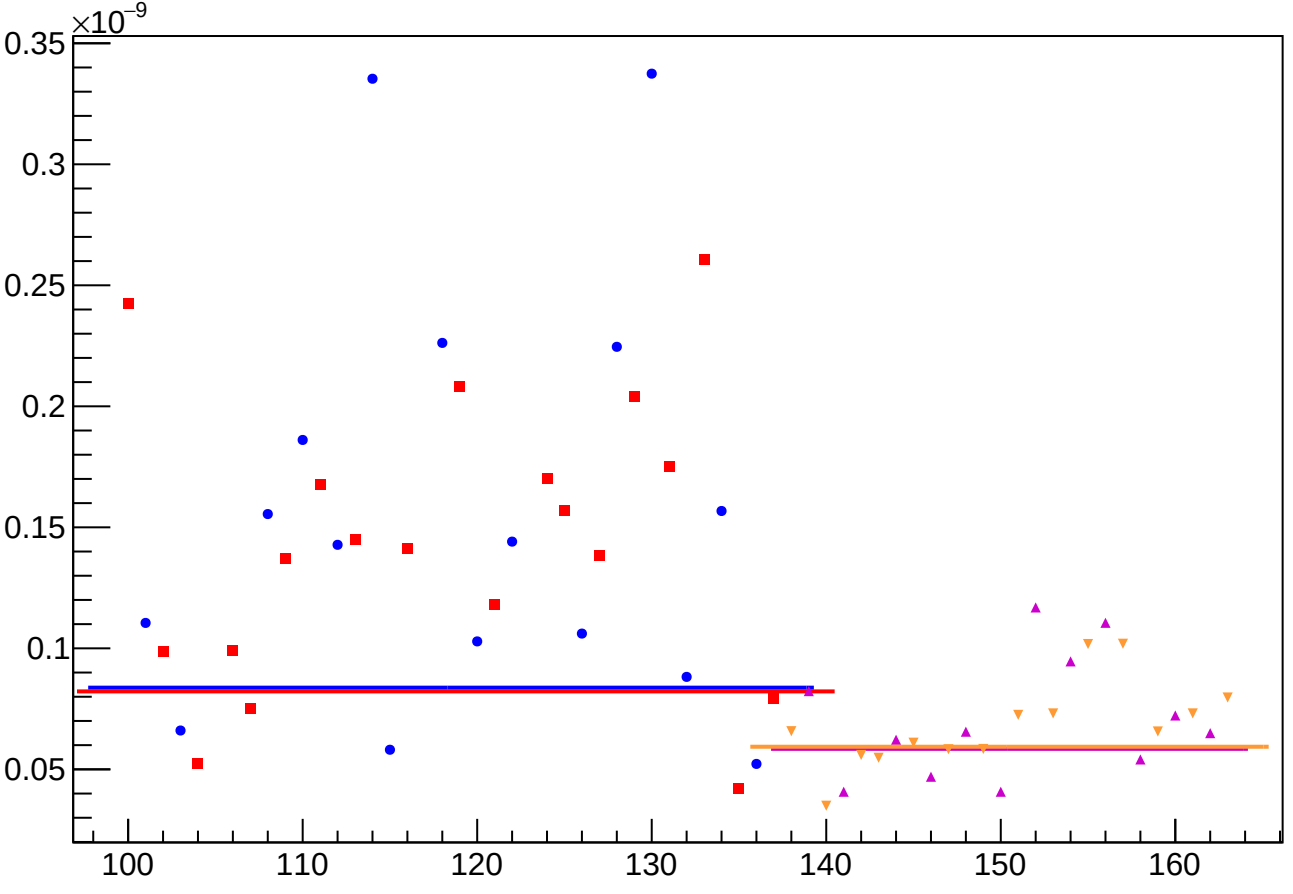
Left In: 0.000+/-0.000 χ^2/NDF:4.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.8/29

All: 0.000+/-0.000 χ^2/NDF: 56.3/60

- sign 0.000+/-0.000 χ^2/NDF: 28.4/30

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:1118205.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

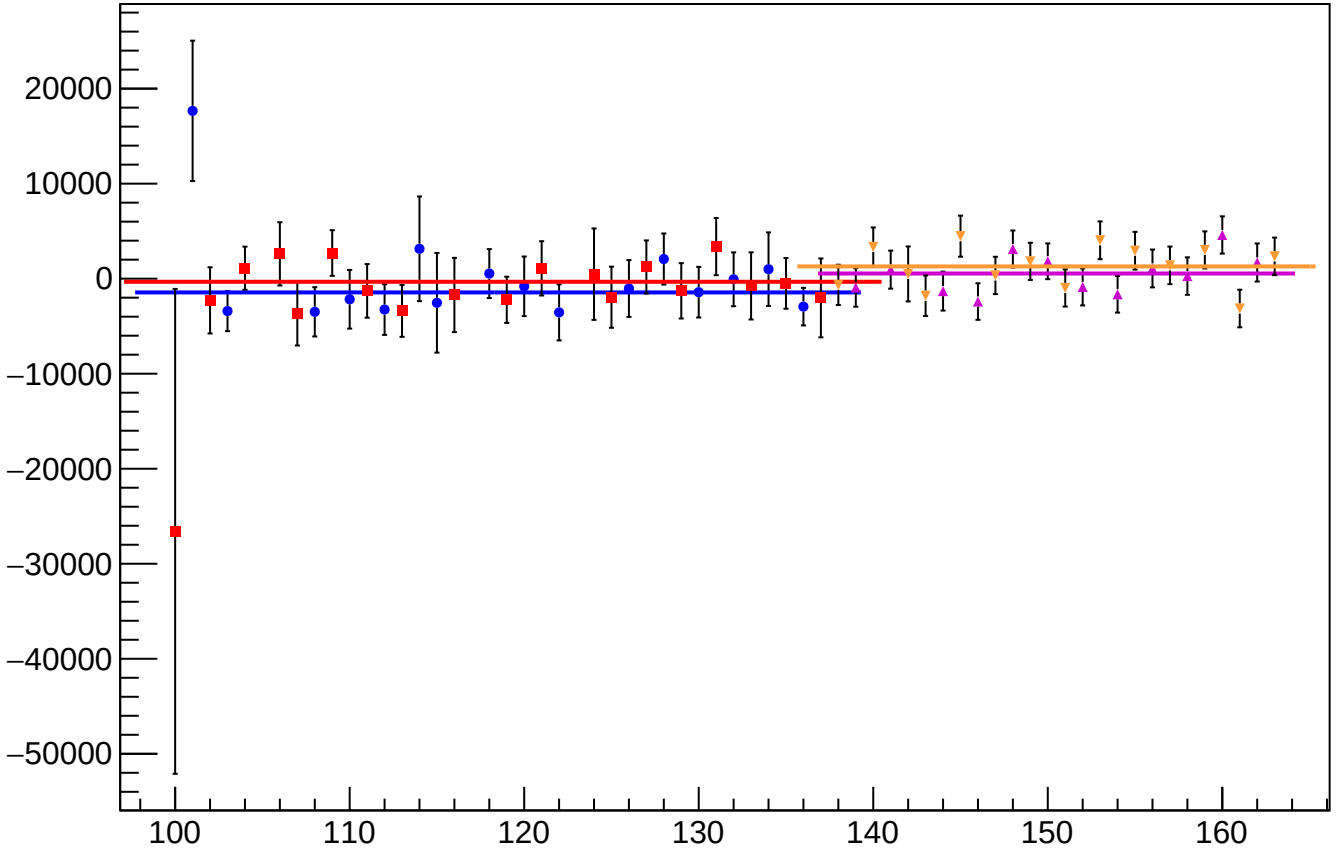
Left In: 0.000+/-0.000 χ^2/NDF:1386665.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 3687148.4/29

All: 0.000+/-0.000 χ^2/NDF: 7787423.4/60

- sign 0.000+/-0.000 χ^2/NDF: 4099476.5/30

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.101+/-547.810 χ^2/NDF:16.5/13

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

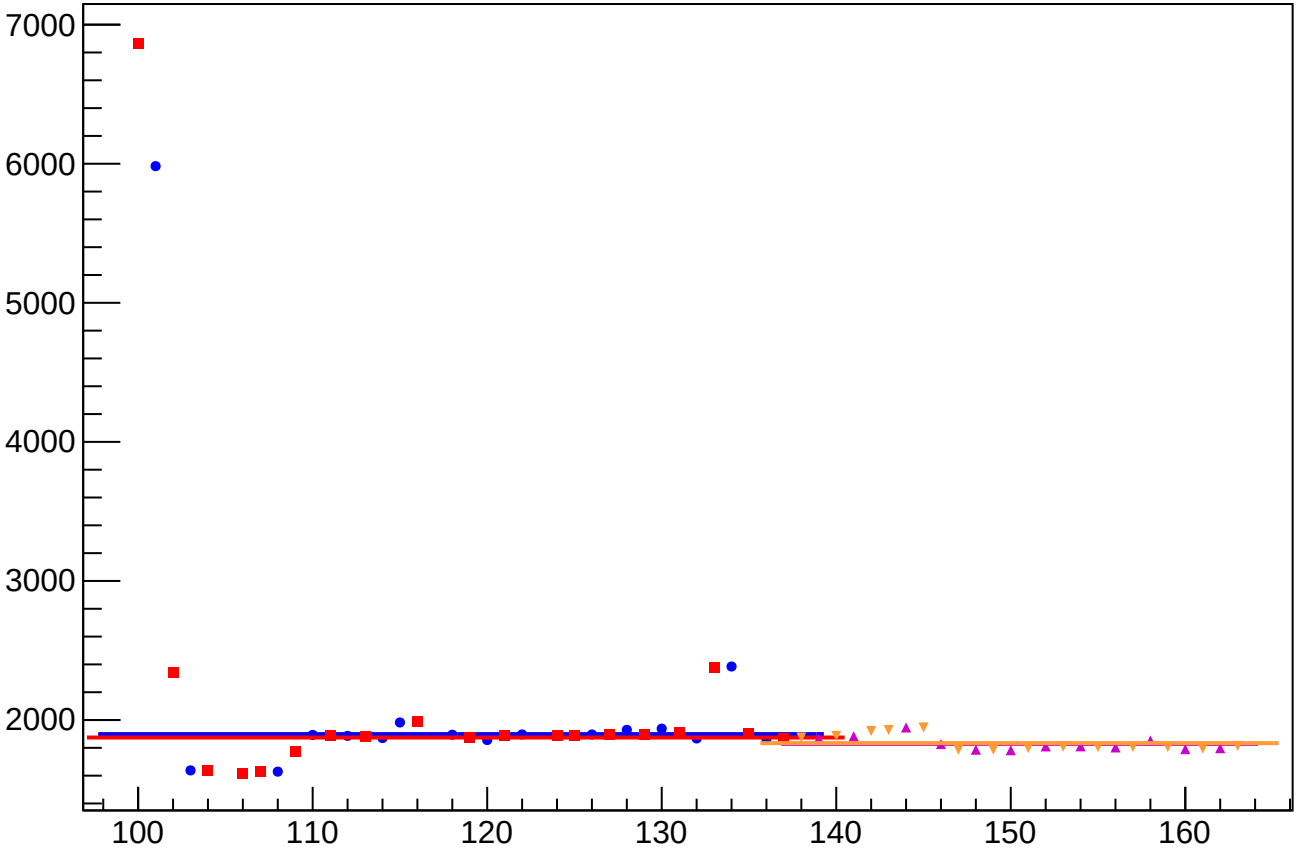
Left In: 543.417+/-568.162 χ^2/NDF:12.5/11

+ sign 292.253+/-436.662 χ^2/NDF: 39.1/29

All: 246.534+/-310.567 χ^2/NDF: 62.5/60

- sign 199.734+/-441.800 χ^2/NDF: 23.3/30

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

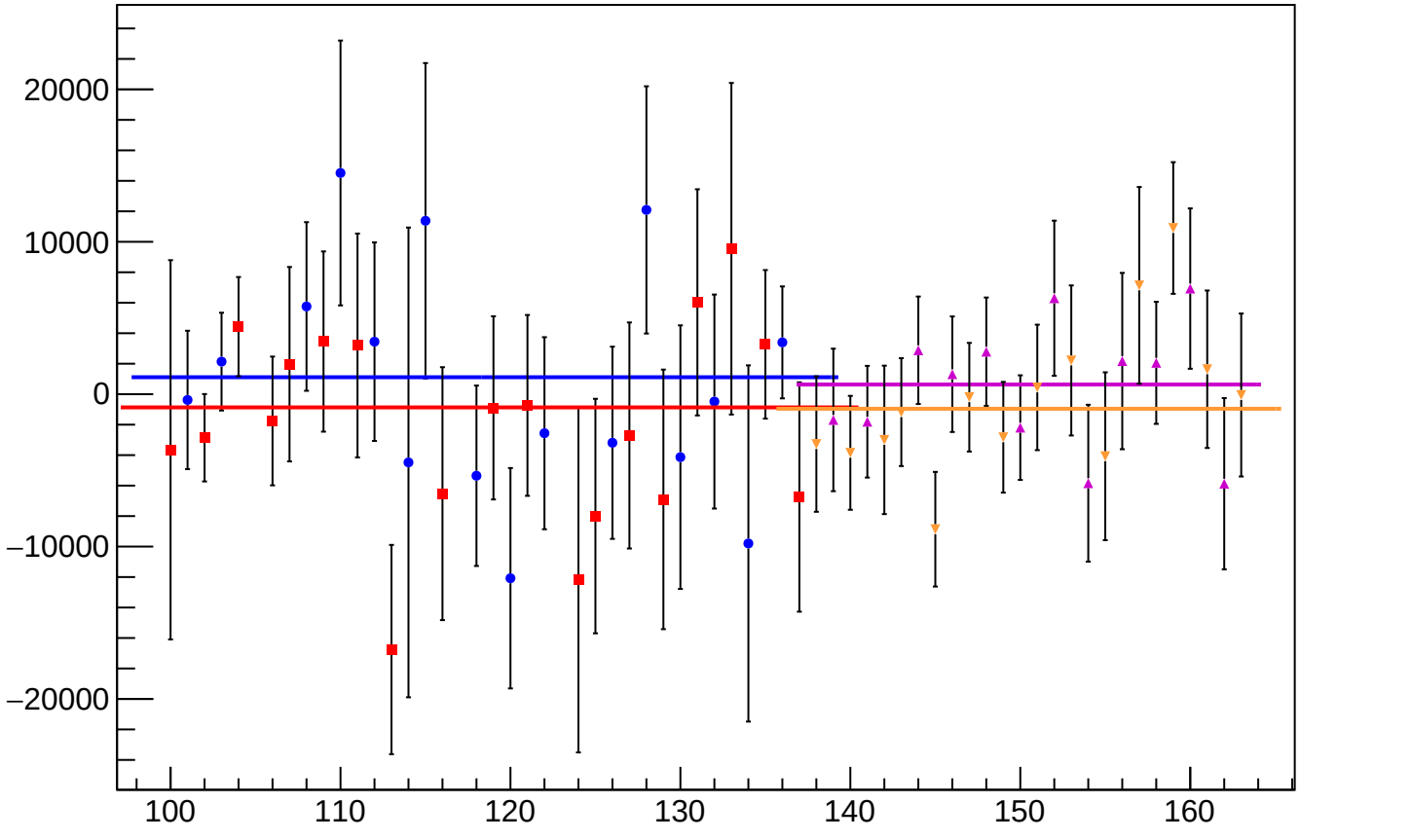
Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.1/29

All: 1852.165+/-0.219 χ^2/NDF: 952902.7/60

- sign 1846.665+/-0.312 χ^2/NDF: 225920.4/30



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -956.020+/-1152.756 χ^2/NDF:16.0/13

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

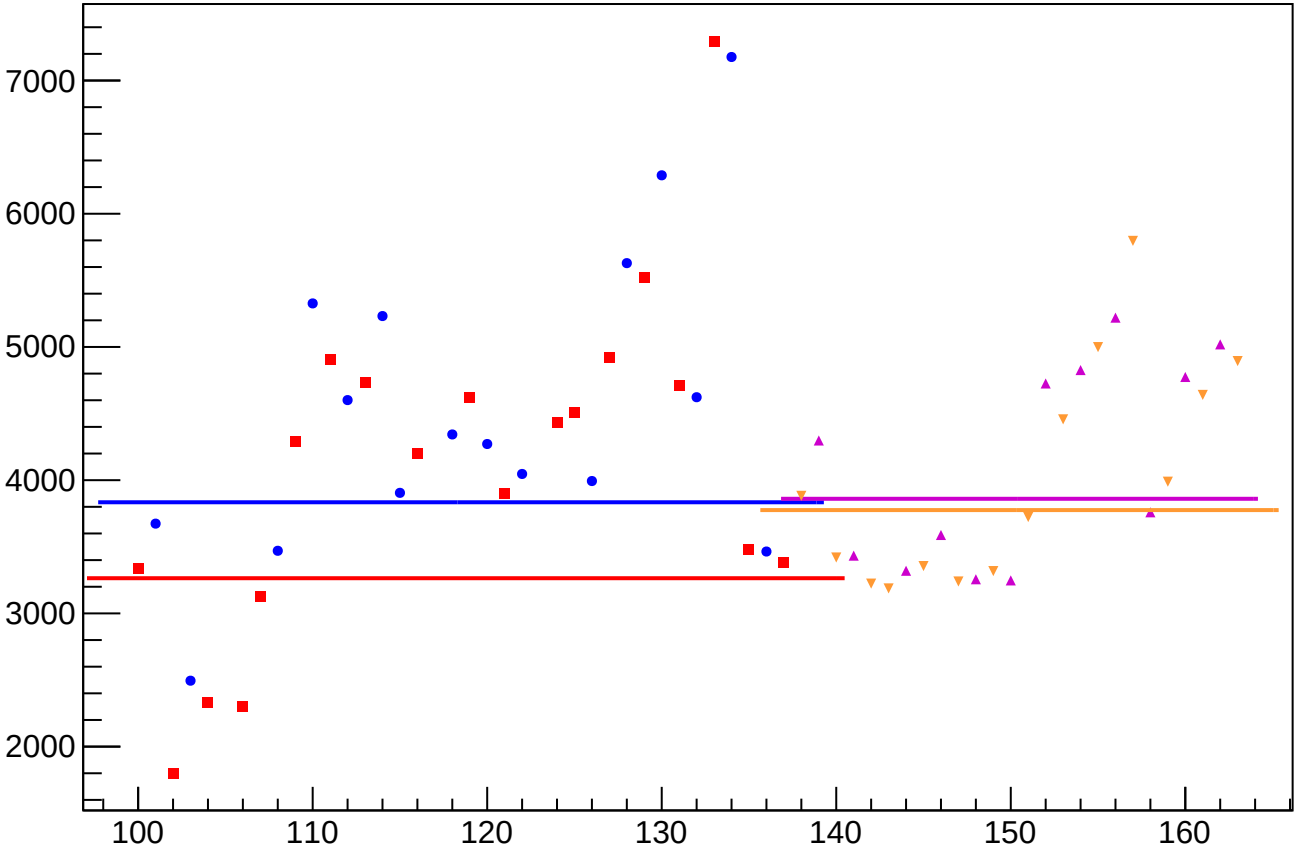
Left In: 634.539+/-1221.158 χ^2/NDF:8.0/11

+ sign -174.399+/-909.270 χ^2/NDF: 30.6/29

All: -118.758+/-636.890 χ^2/NDF: 54.9/60

- sign -65.166+/-892.365 χ^2/NDF: 24.3/30

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3775.489+/-0.815 χ^2/NDF:683818.6/13

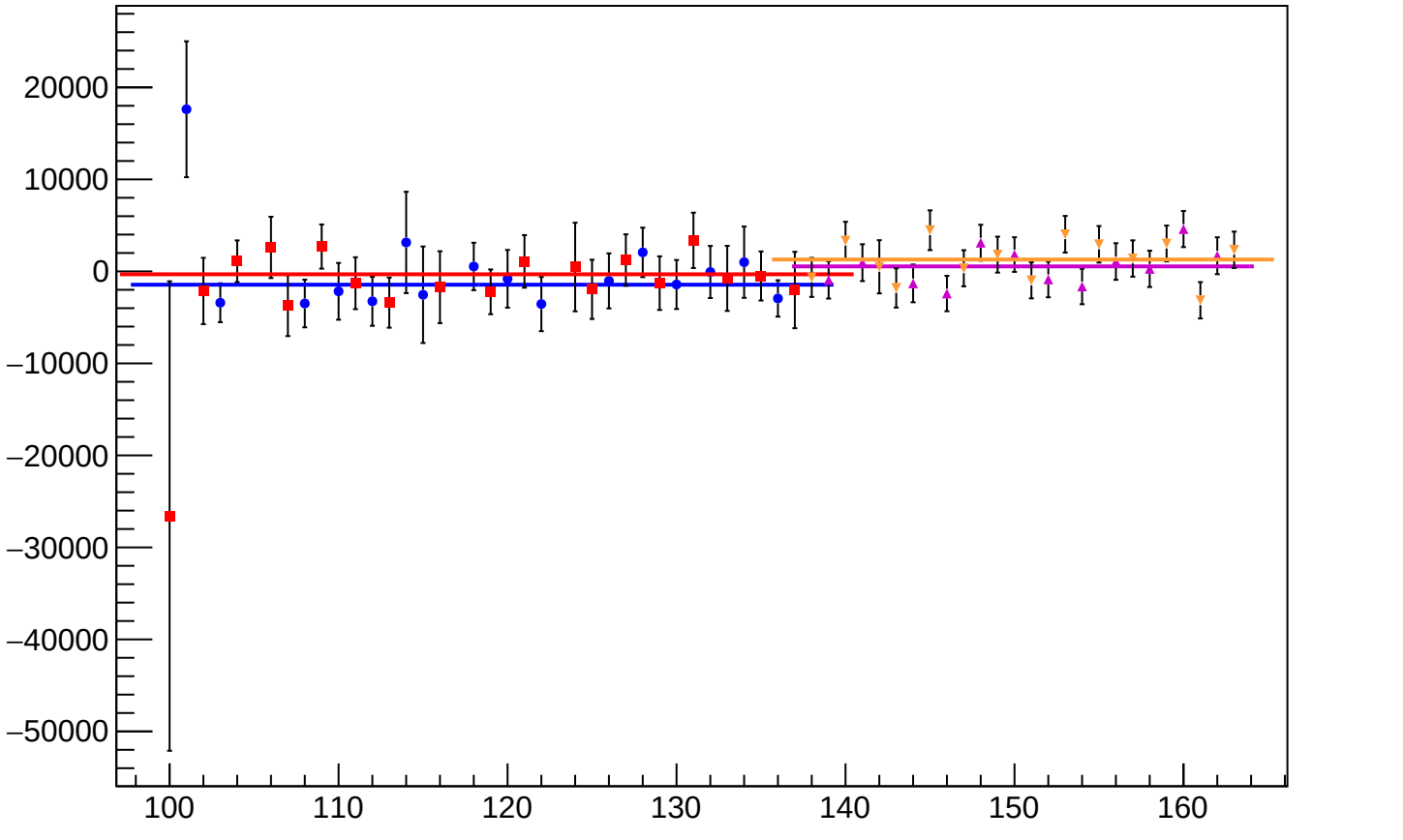
Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3860.280+/-0.863 χ^2/NDF:608901.8/11

+ sign 3797.658+/-0.643 χ^2/NDF: 1642551.9/29

All: 3688.043+/-0.450 χ^2/NDF: 4394889.4/60

- sign 3582.465+/-0.631 χ^2/NDF: 2695275.9/30



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

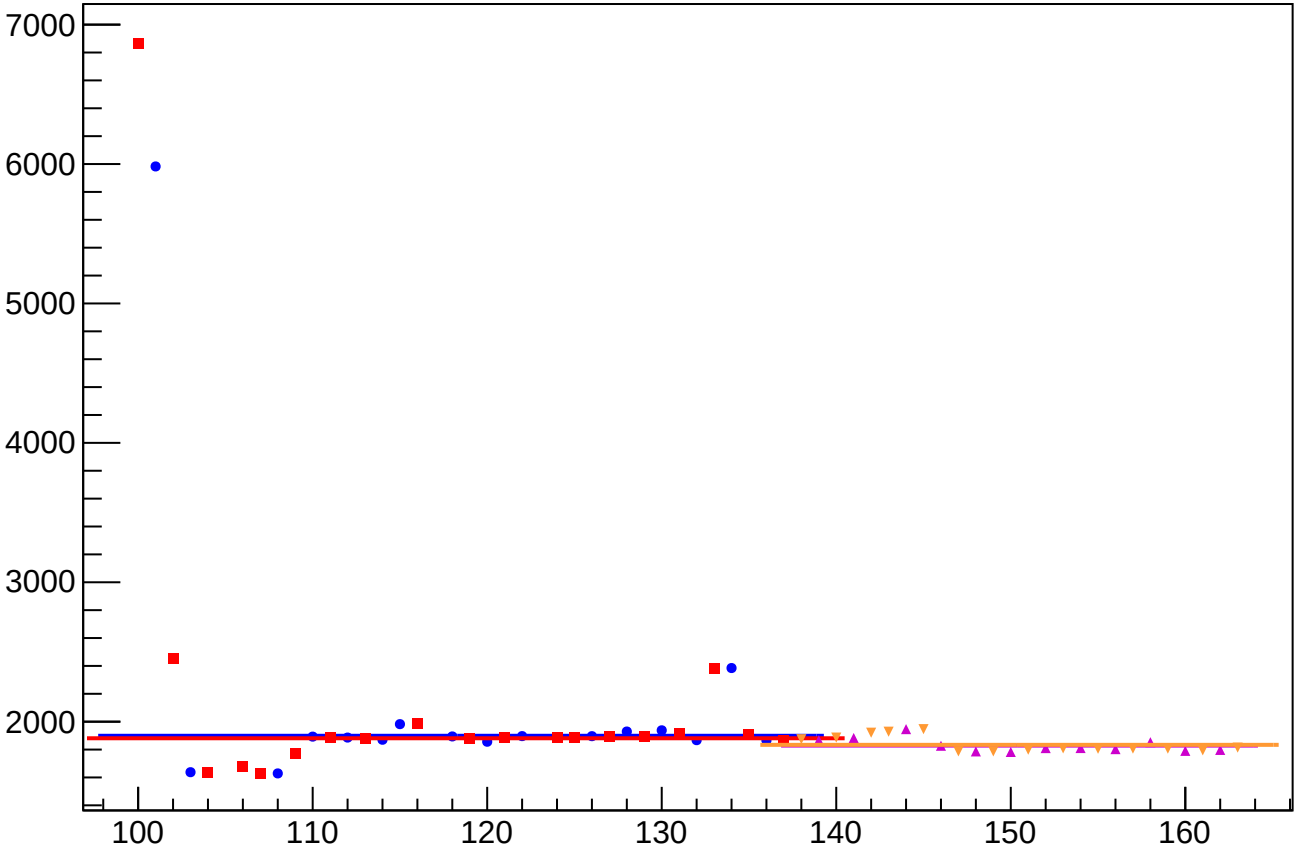
Left In: 543.383+/-568.162 χ^2/NDF:12.5/11

+ sign 292.210+/-436.662 χ^2/NDF: 39.1/29

All: 248.840+/-310.649 χ^2/NDF: 62.4/60

- sign 204.396+/-442.035 χ^2/NDF: 23.2/30

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

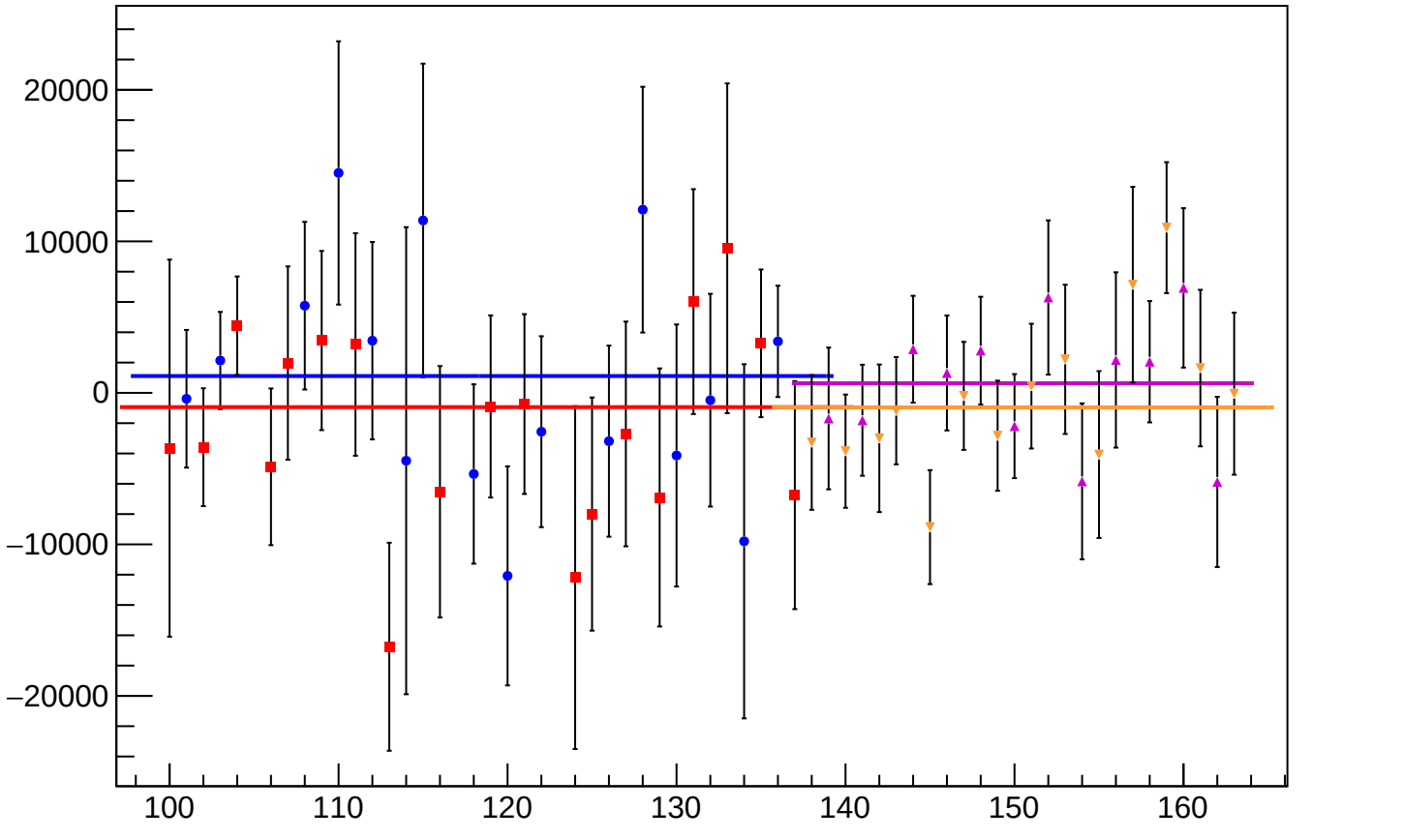
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.2/29

All: 1853.457+/-0.220 χ^2/NDF: 963156.5/60

- sign 1849.266+/-0.312 χ^2/NDF: 236433.4/30



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -955.963+/-1152.755 χ^2/NDF:16.0/13

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

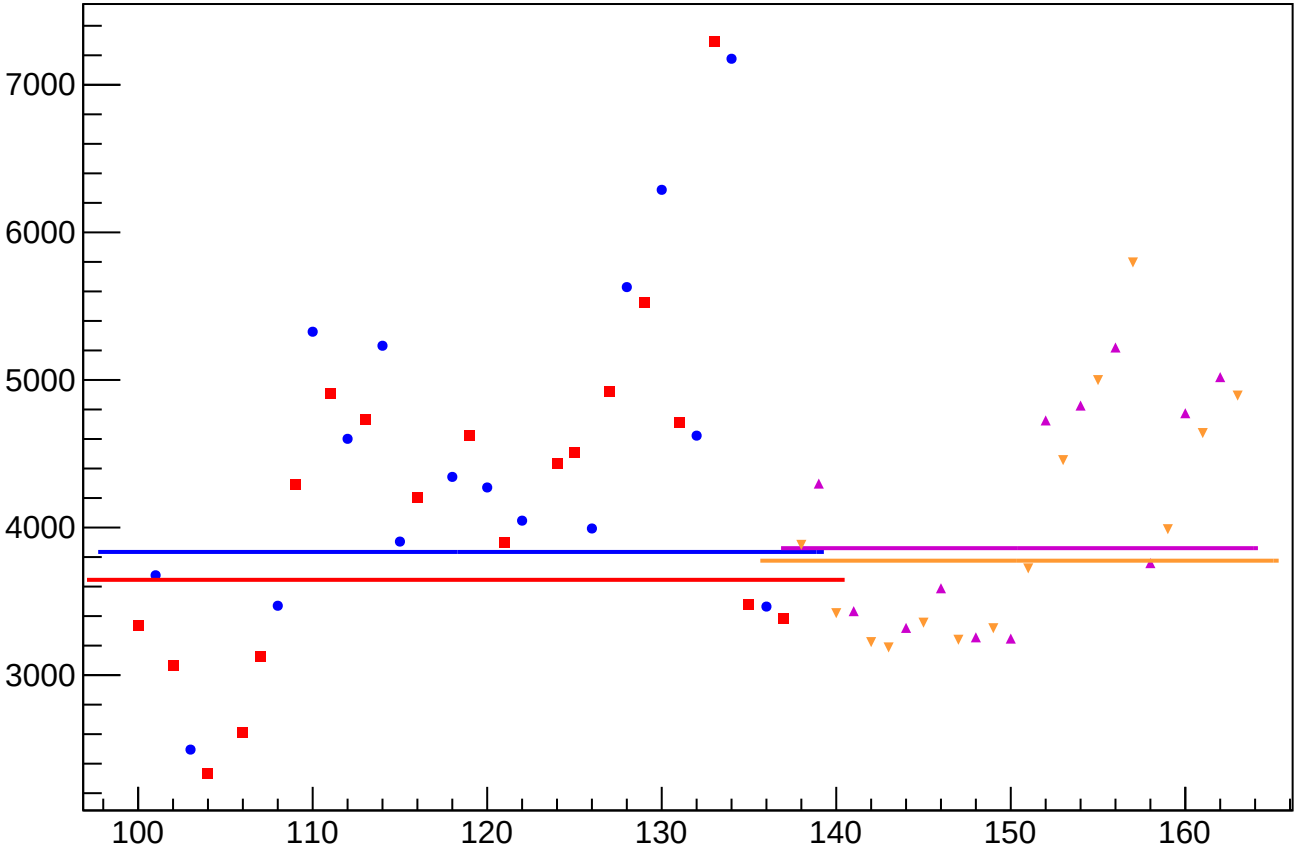
Left In: 634.618+/-1221.156 χ^2/NDF:8.0/11

+ sign -174.921+/-909.309 χ^2/NDF: 30.6/29

All: -111.516+/-646.718 χ^2/NDF: 55.5/60

- sign -46.615+/-919.978 χ^2/NDF: 24.9/30

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

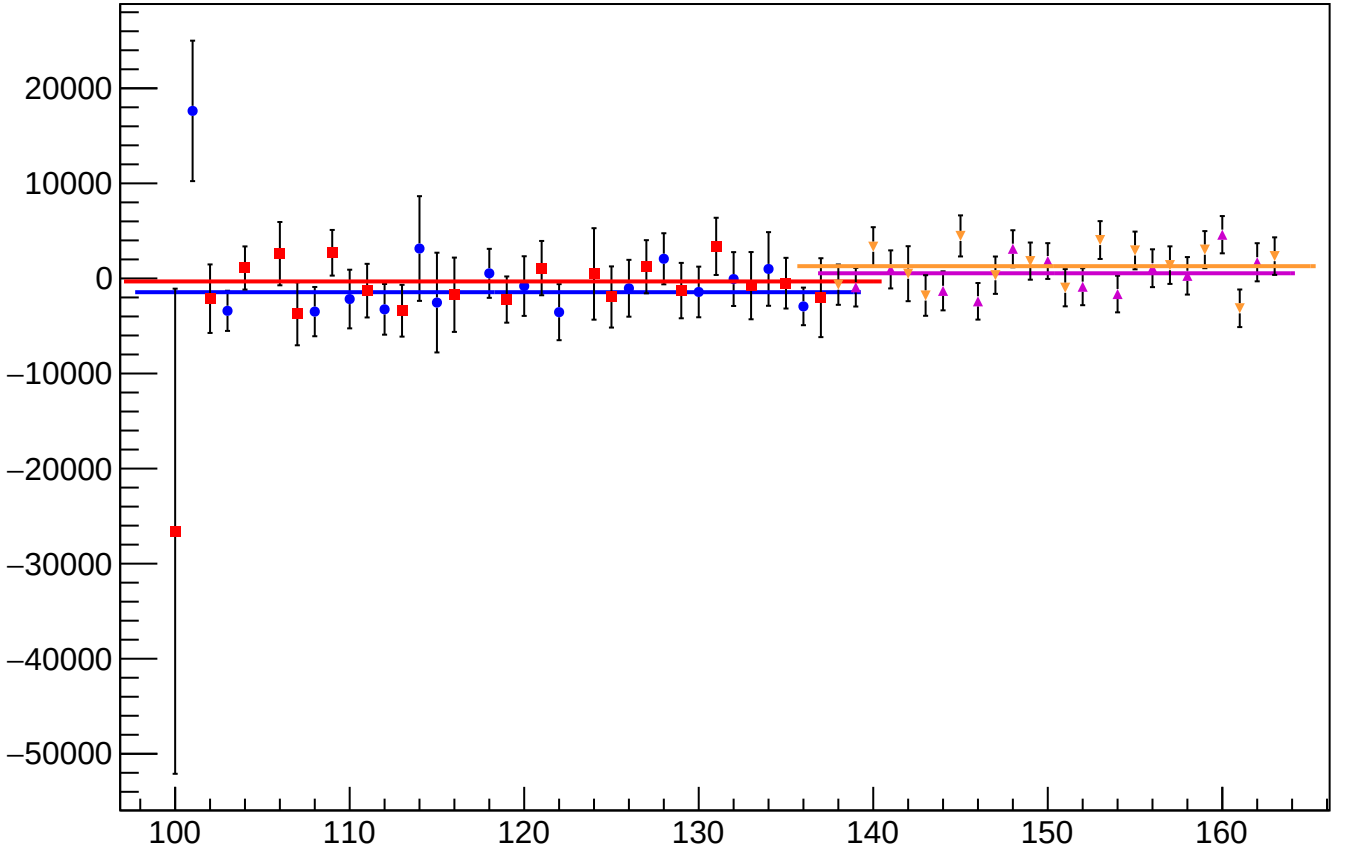
Left In: 3860.274+/-0.863 χ^2/NDF:608913.9/11

+ sign 3797.851+/-0.643 χ^2/NDF: 1642118.2/29

All: 3782.843+/-0.457 χ^2/NDF: 3403822.3/60

- sign 3767.479+/-0.651 χ^2/NDF: 1760601.4/30

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

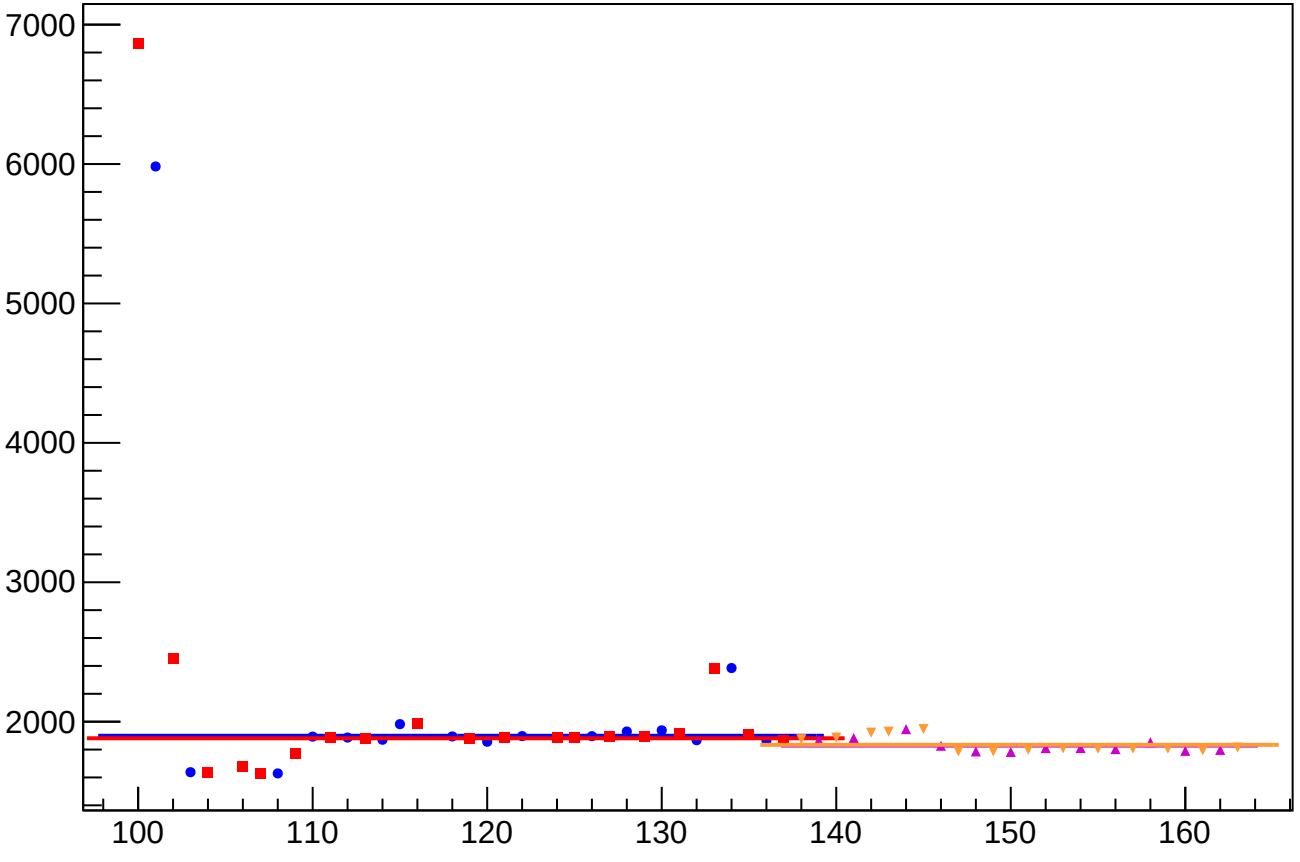
Left In: 543.383+/-568.162 χ^2/NDF:12.5/11

+ sign 292.210+/-436.662 χ^2/NDF: 39.1/29

All: 248.840+/-310.649 χ^2/NDF: 62.4/60

- sign 204.396+/-442.035 χ^2/NDF: 23.2/30

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

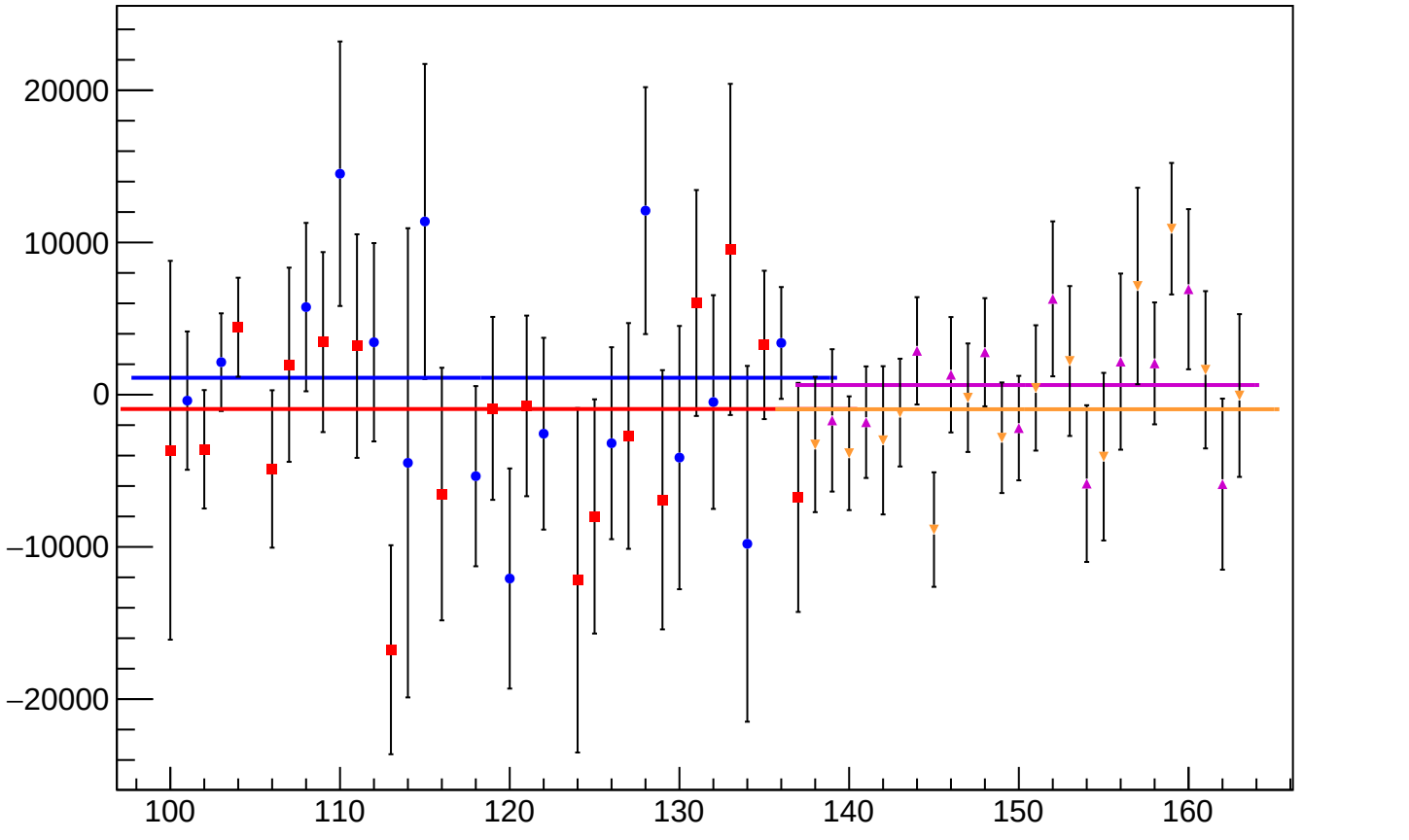
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

+ sign 1857.552+/-0.309 χ^2/NDF: 726367.2/29

All: 1853.457+/-0.220 χ^2/NDF: 963156.5/60

- sign 1849.266+/-0.312 χ^2/NDF: 236433.4/30



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -955.963+/-1152.755 χ^2/NDF:16.0/13

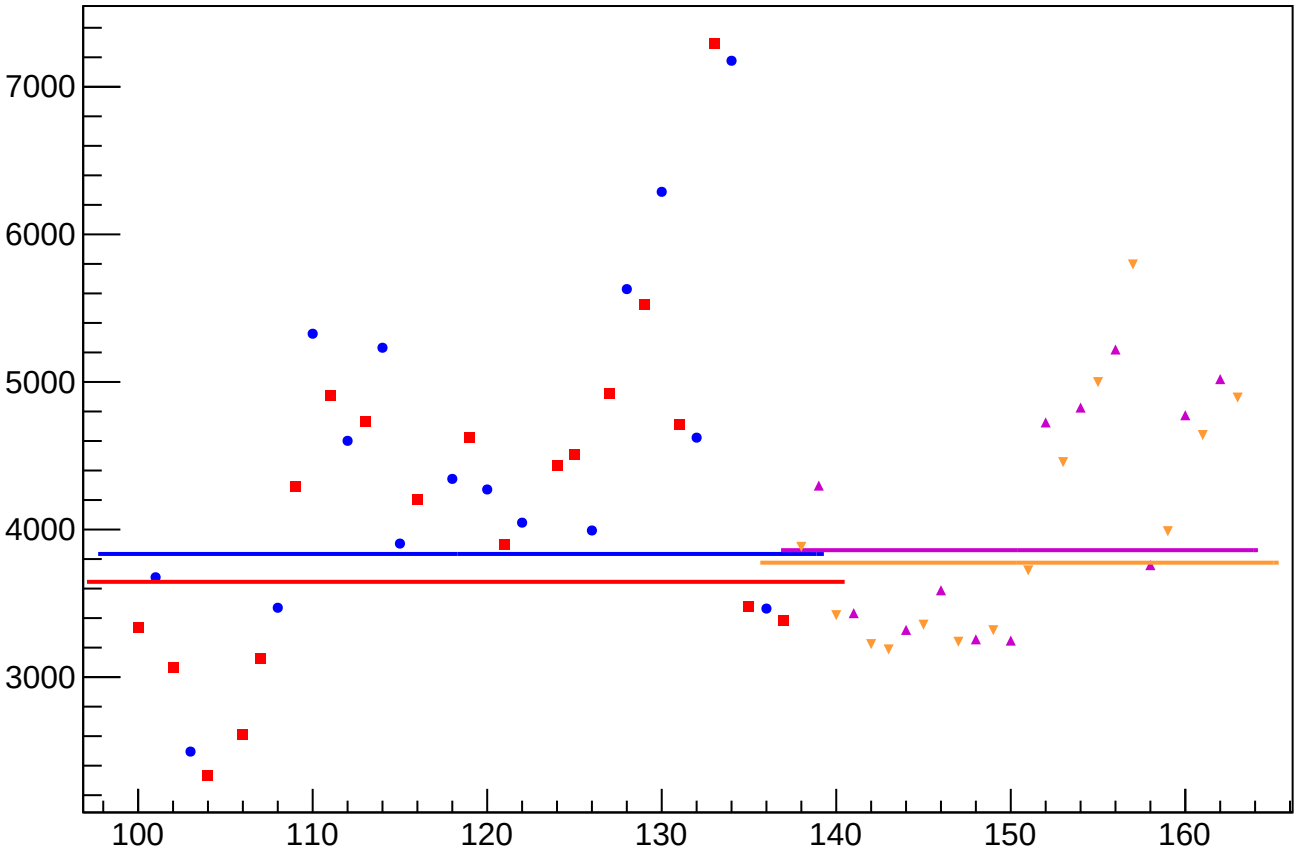
Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: 634.618+/-1221.156 χ^2/NDF:8.0/11

+ sign -174.921+/-909.309 χ^2/NDF: 30.6/29

All: -111.516+/-646.718 χ^2/NDF: 55.5/60

- sign -46.615+/-919.978 χ^2/NDF: 24.9/30



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

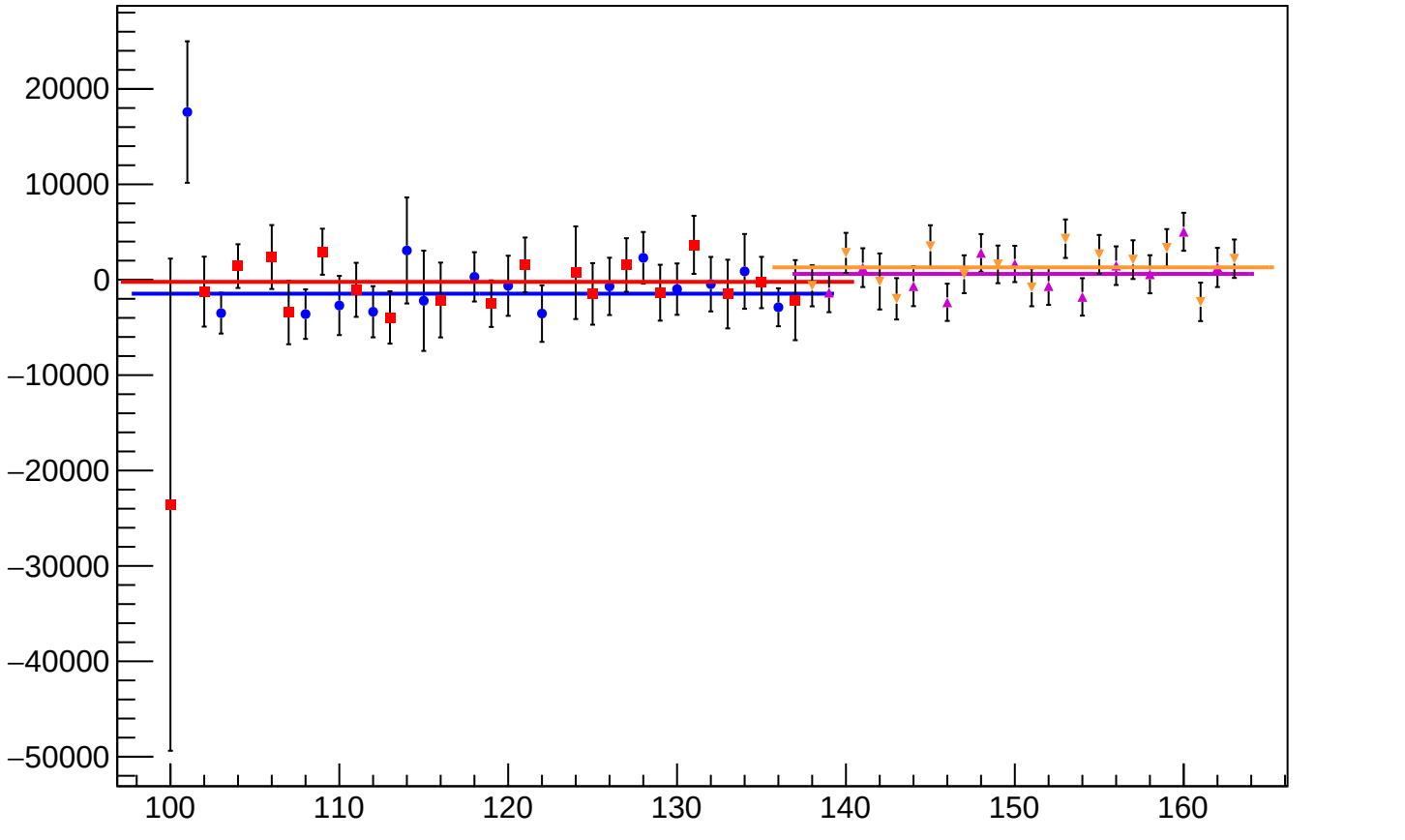
Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3860.274+/-0.863 χ^2/NDF:608913.9/11

+ sign 3797.851+/-0.643 χ^2/NDF: 1642118.2/29

All: 3782.843+/-0.457 χ^2/NDF: 3403822.3/60

- sign 3767.479+/-0.651 χ^2/NDF: 1760601.4/30



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.623+/-557.031 χ^2/NDF:13.5/13

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

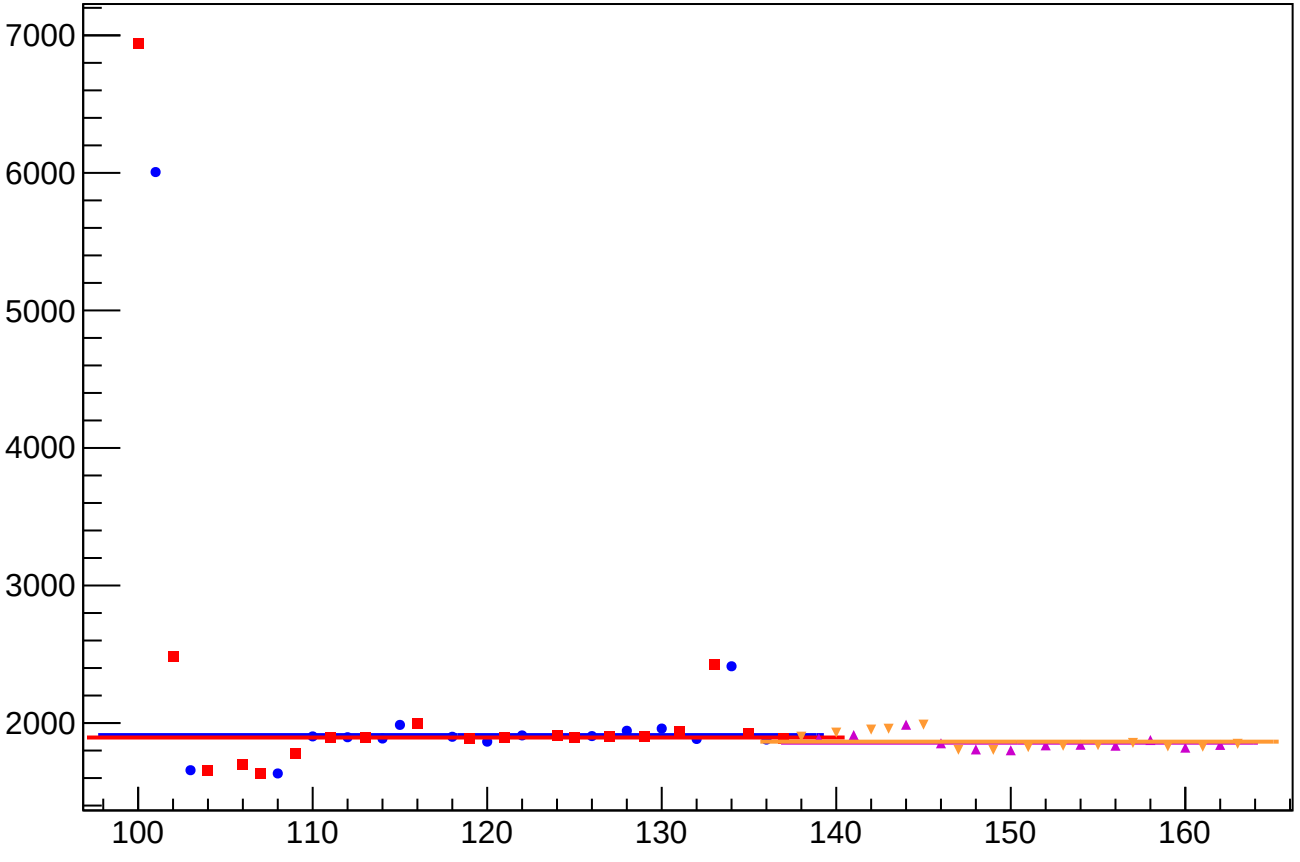
Left In: 607.752+/-577.084 χ^2/NDF:12.4/11

+ sign 277.570+/-442.448 χ^2/NDF: 36.1/29

All: 277.744+/-314.639 χ^2/NDF: 60.1/60

- sign 277.923+/-447.530 χ^2/NDF: 24.0/30

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.604+/-0.394 χ^2/NDF:20906.1/13

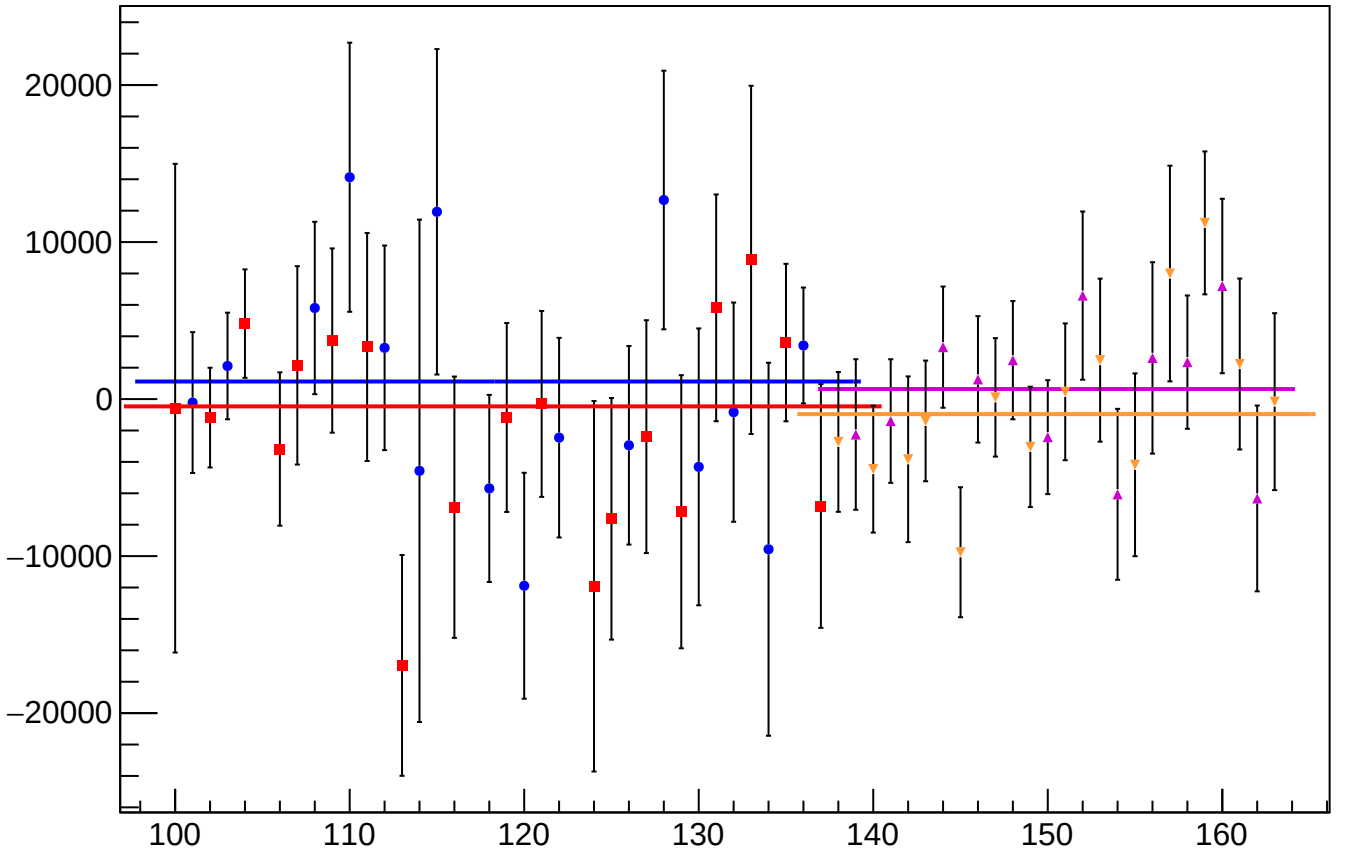
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.144+/-0.408 χ^2/NDF:14150.4/11

+ sign 1882.237+/-0.313 χ^2/NDF: 722556.2/29

All: 1877.253+/-0.222 χ^2/NDF: 960393.7/60

- sign 1872.159+/-0.316 χ^2/NDF: 237324.3/30



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -956.349+/-1225.326 χ^2/NDF:16.2/13

Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

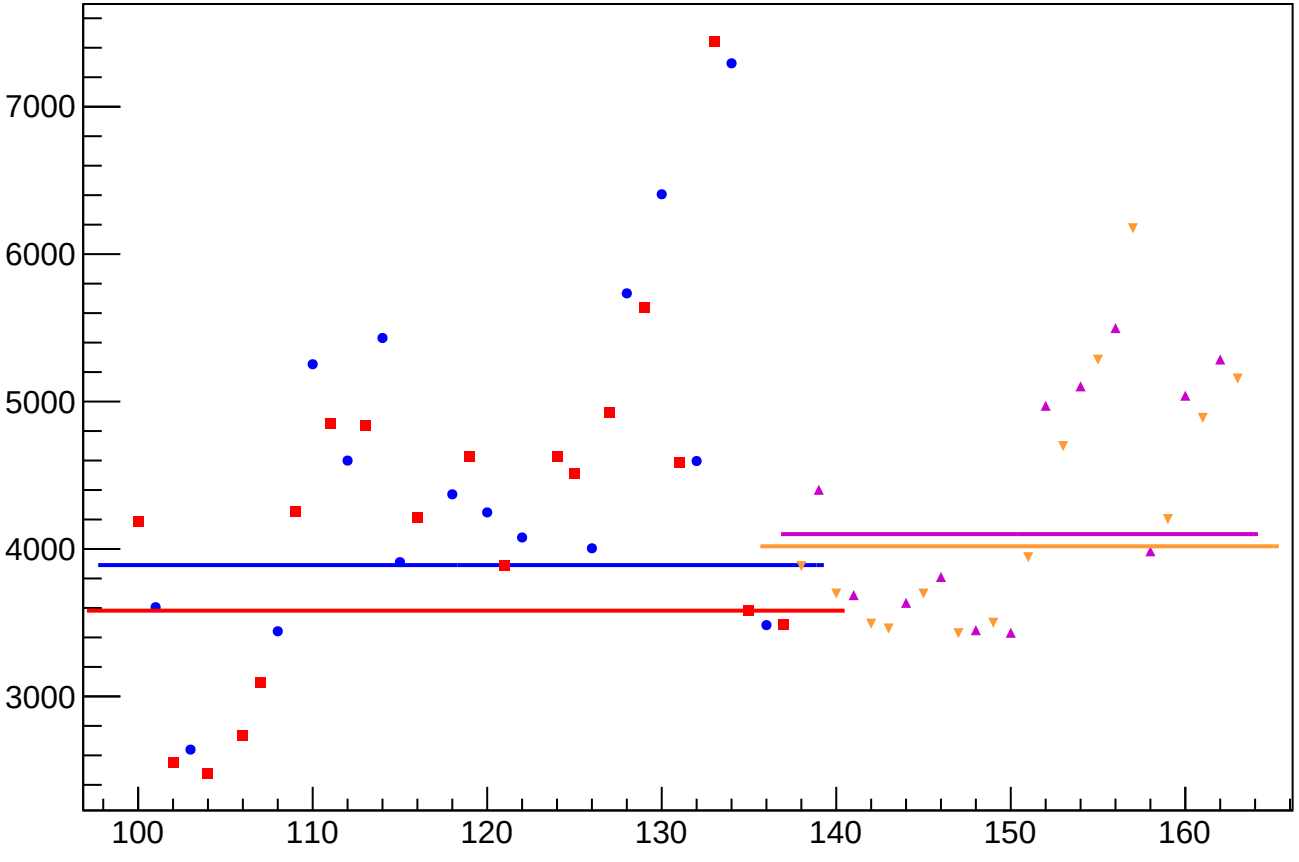
Left In: 639.964+/-1295.883 χ^2/NDF:7.9/11

+ sign -123.718+/-948.363 χ^2/NDF: 30.8/29

All: -1.602+/-668.227 χ^2/NDF: 54.1/60

- sign 118.806+/-941.705 χ^2/NDF: 23.3/30

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4018.195+/-0.866 χ^2/NDF:636764.6/13

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

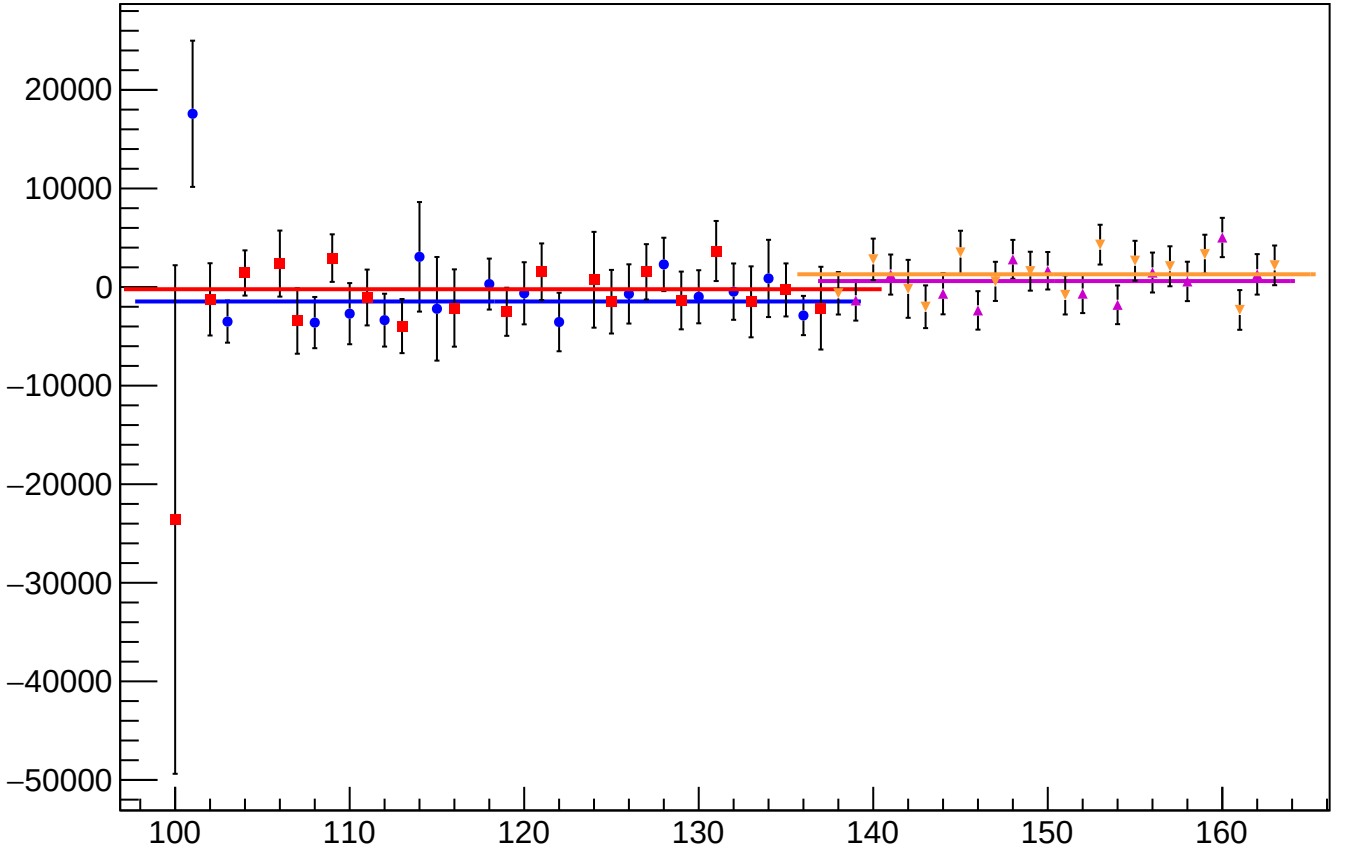
Left In: 4100.868+/-0.916 χ^2/NDF:562218.3/11

+ sign 3967.076+/-0.671 χ^2/NDF: 1523863.8/29

All: 3911.096+/-0.473 χ^2/NDF: 3473220.5/60

- sign 3855.899+/-0.666 χ^2/NDF: 1935517.1/30

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.634+/-557.031 χ^2/NDF:13.5/13

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

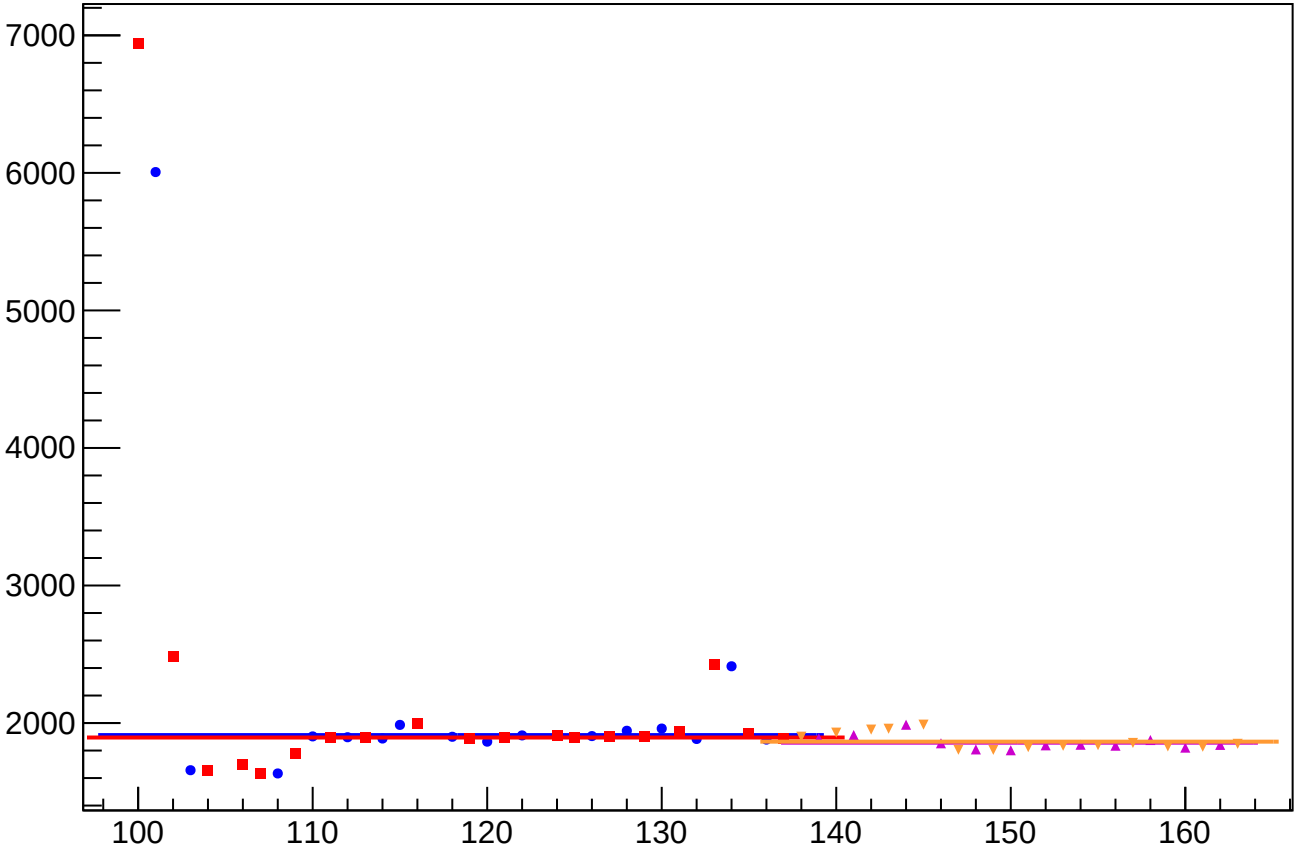
Left In: 607.751+/-577.084 χ^2/NDF:12.4/11

+ sign 277.574+/-442.448 χ^2/NDF: 36.1/29

All: 277.747+/-314.639 χ^2/NDF: 60.1/60

- sign 277.924+/-447.530 χ^2/NDF: 24.0/30

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.605+/-0.394 χ^2/NDF:20906.0/13

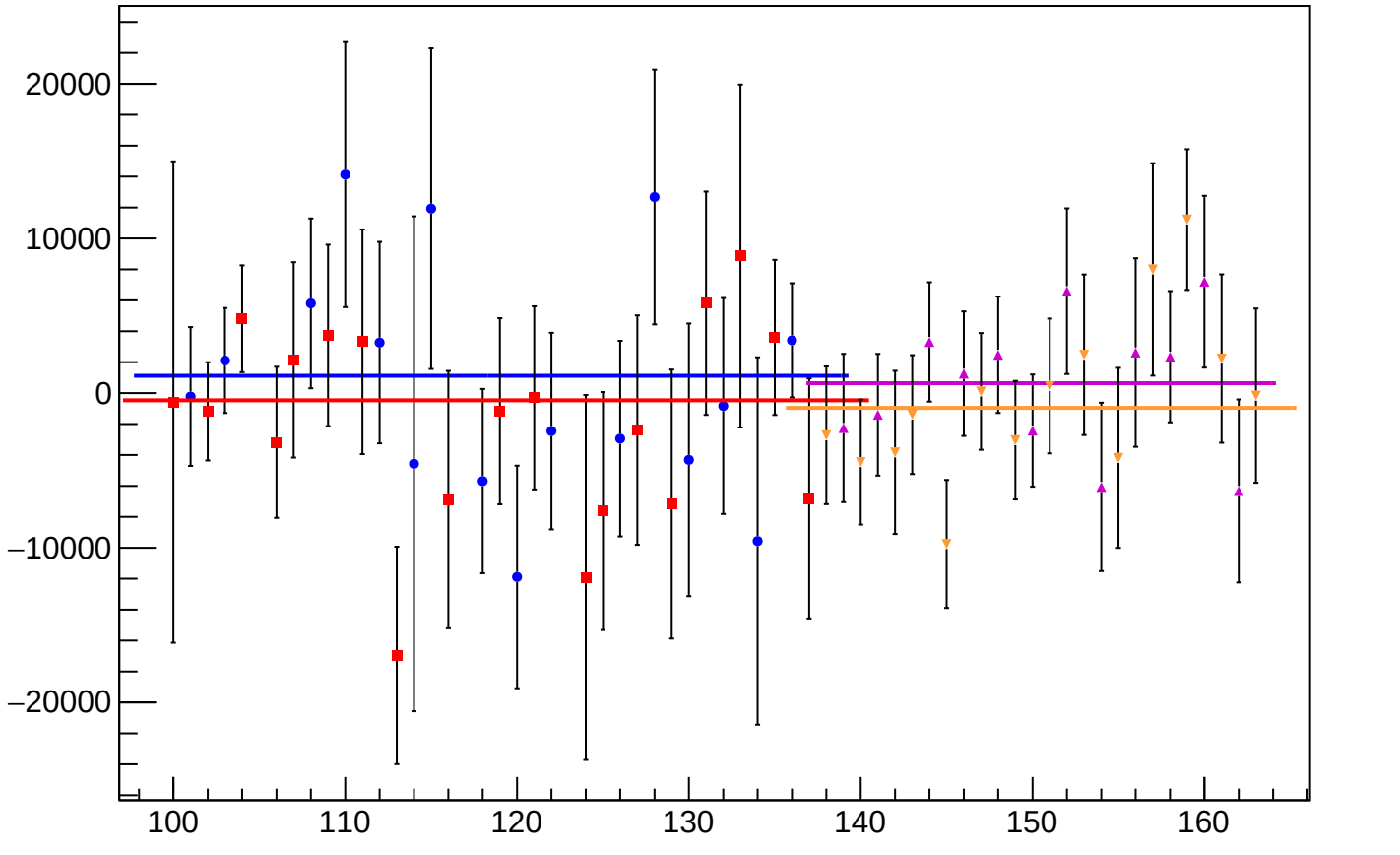
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.145+/-0.408 χ^2/NDF:14150.3/11

+ sign 1882.238+/-0.313 χ^2/NDF: 722555.8/29

All: 1877.254+/-0.222 χ^2/NDF: 960393.0/60

- sign 1872.159+/-0.316 χ^2/NDF: 237324.0/30



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -956.347+/-1225.328 χ^2/NDF:16.2/13

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

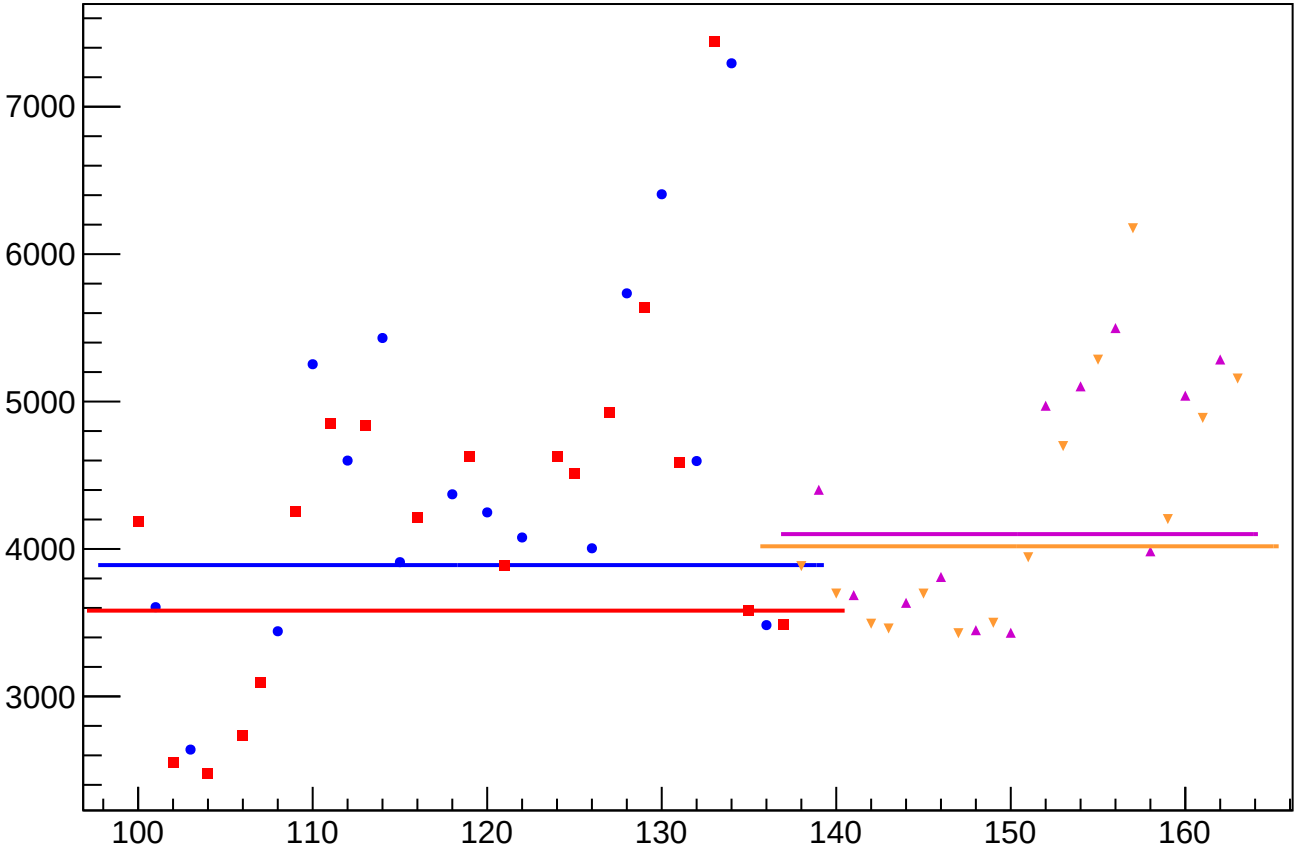
Left In: 639.964+/-1295.885 χ^2/NDF:7.9/11

+ sign -123.719+/-948.363 χ^2/NDF: 30.8/29

All: -1.603+/-668.228 χ^2/NDF: 54.1/60

- sign 118.804+/-941.705 χ^2/NDF: 23.3/30

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4018.201+/-0.866 χ^2/NDF:636765.2/13

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

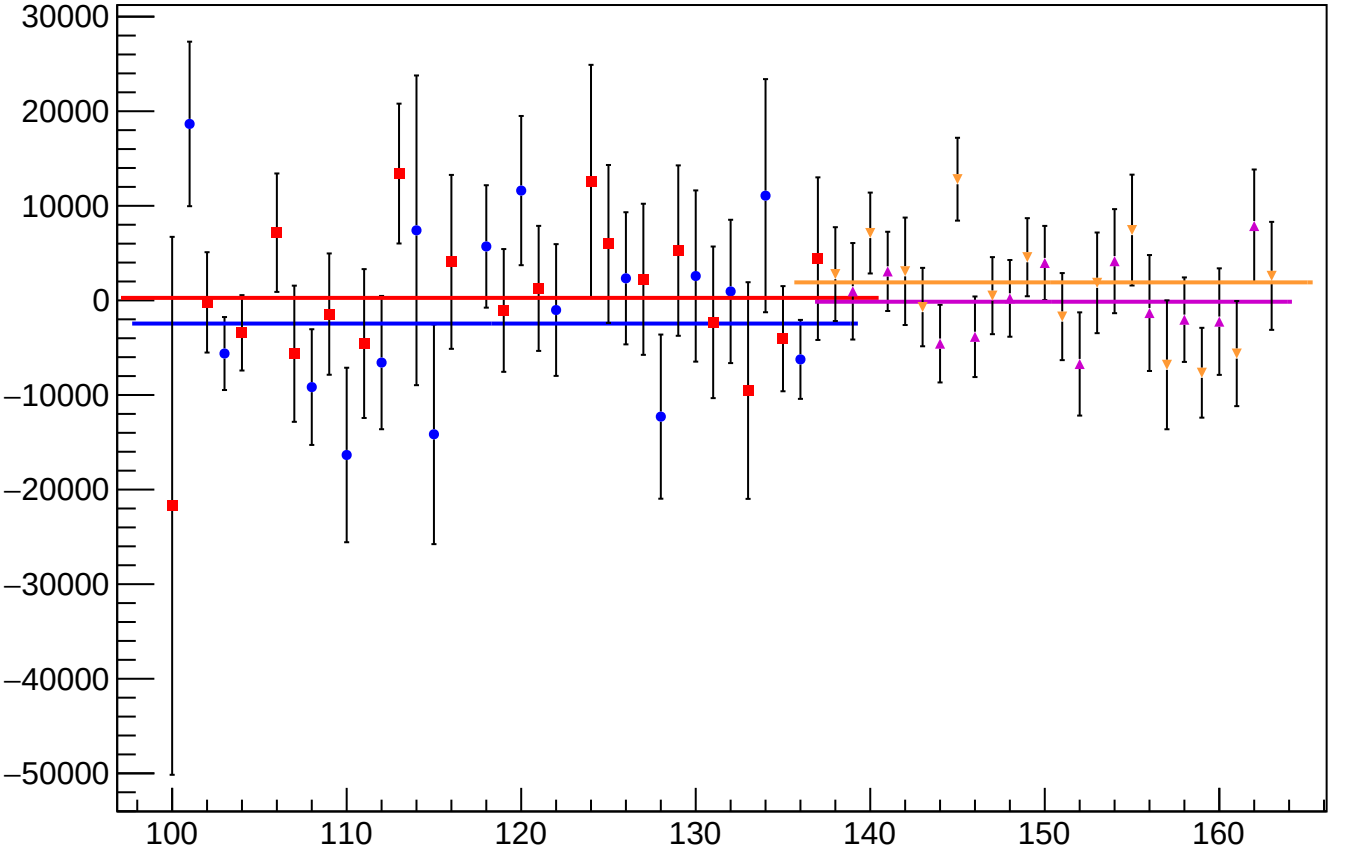
Left In: 4100.874+/-0.916 χ^2/NDF:562218.2/11

+ sign 3967.078+/-0.671 χ^2/NDF: 1523856.7/29

All: 3911.098+/-0.473 χ^2/NDF: 3473210.1/60

- sign 3855.900+/-0.666 χ^2/NDF: 1935513.4/30

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1906.290+/-1295.053 χ^2/NDF:17.7/13

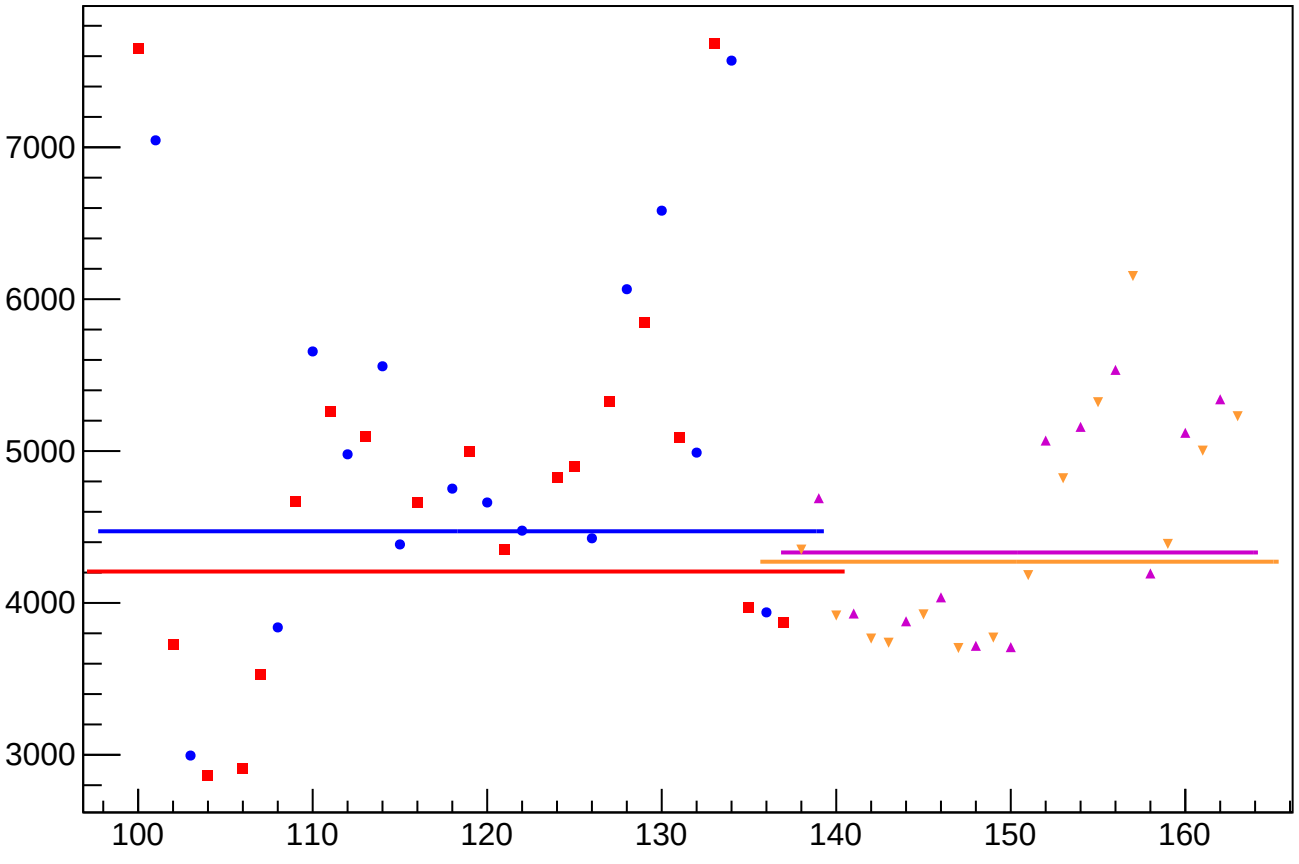
Right Out: 265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -141.729+/-1362.439 χ^2/NDF:7.9/11

\+ sign 330.441+/-1034.515 χ^2/NDF: 42.7/29

All: 179.930+/-734.631 χ^2/NDF: 61.3/60

\- sign 26.824+/-1043.392 χ^2/NDF: 18.6/30



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4271.543+/-0.916 χ^2/NDF:474803.9/13

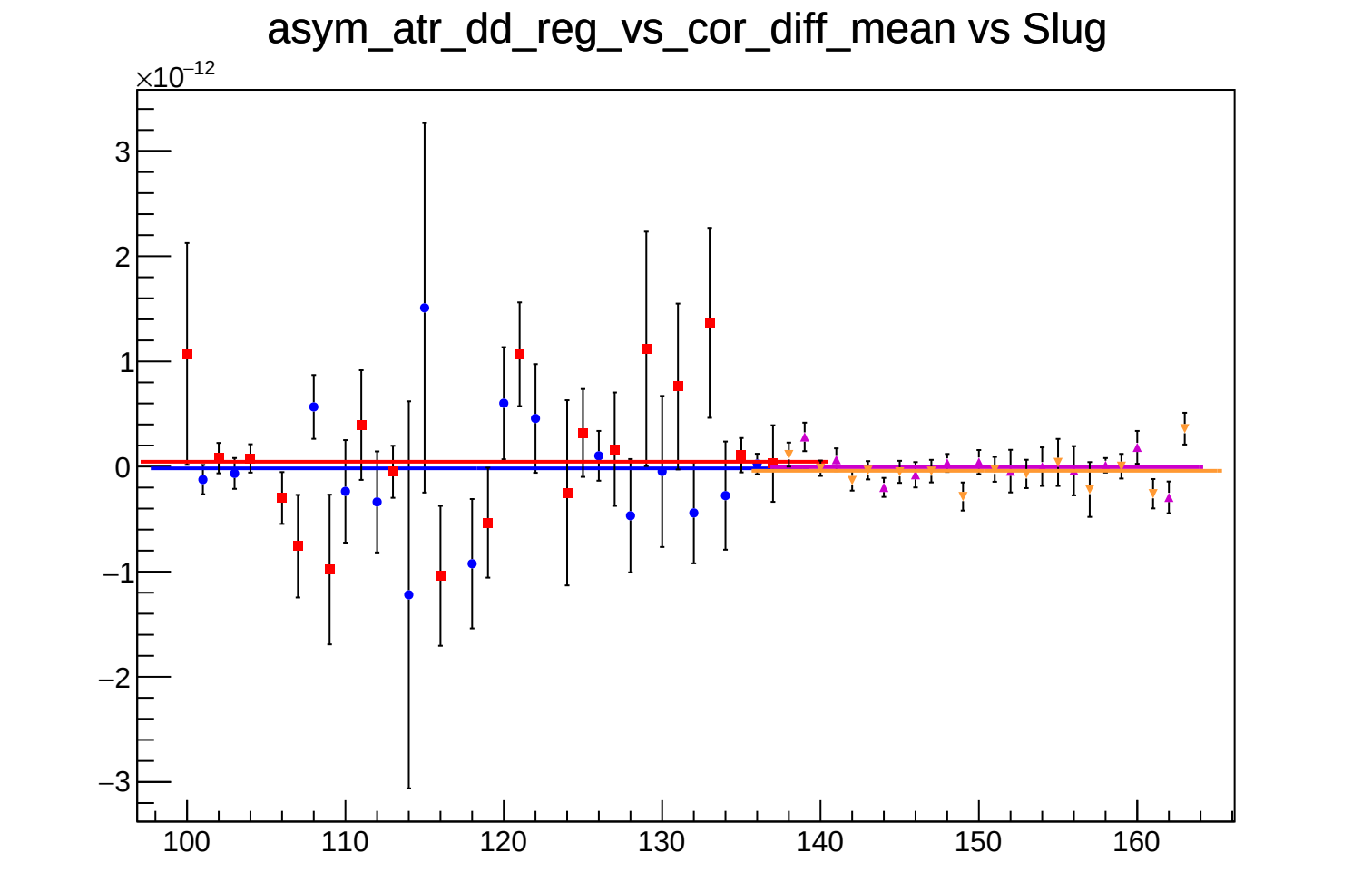
Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4332.332+/-0.963 χ^2/NDF:415444.8/11

+ sign 4344.051+/-0.732 χ^2/NDF: 1383806.6/29

All: 4312.174+/-0.519 χ^2/NDF: 2656670.3/60

- sign 4279.969+/-0.735 χ^2/NDF: 1269046.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

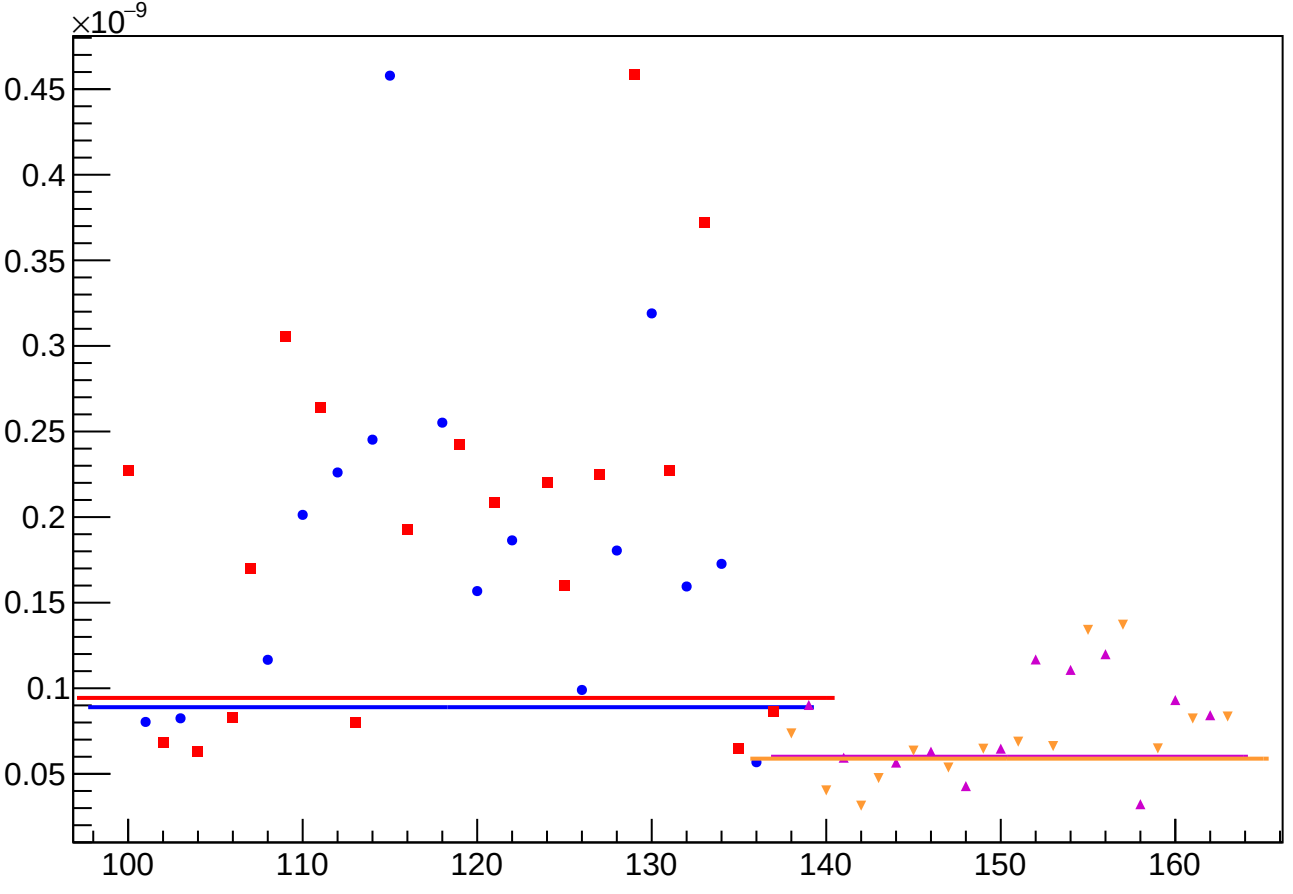
Left In: -0.000+/-0.000 χ^2/NDF:15.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 29.4/29

All: -0.000+/-0.000 χ^2/NDF: 67.5/60

- sign 0.000+/-0.000 χ^2/NDF: 37.1/30

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:912310.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

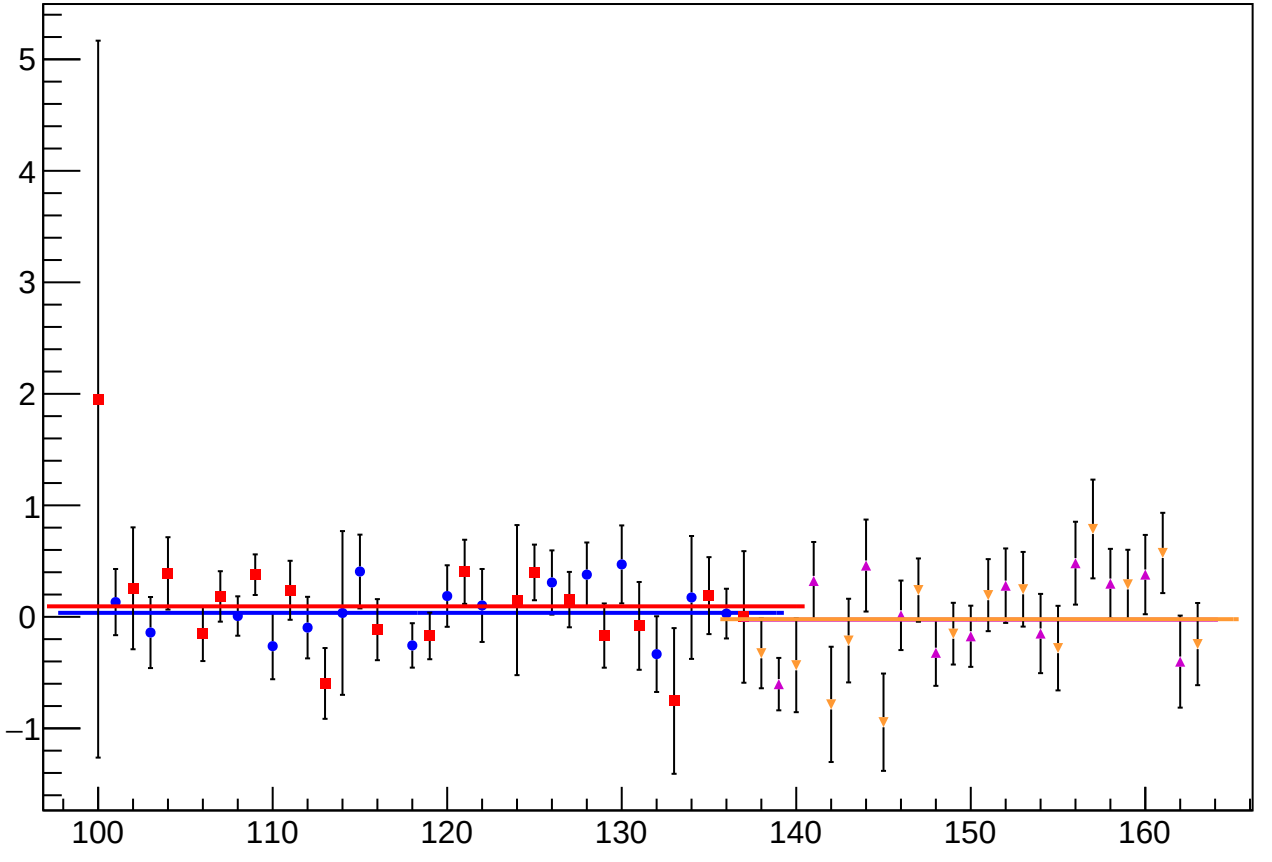
Left In: 0.000+/-0.000 χ^2/NDF:1093836.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 2525903.7/29

All: 0.000+/-0.000 χ^2/NDF: 5729994.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3200514.6/30

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

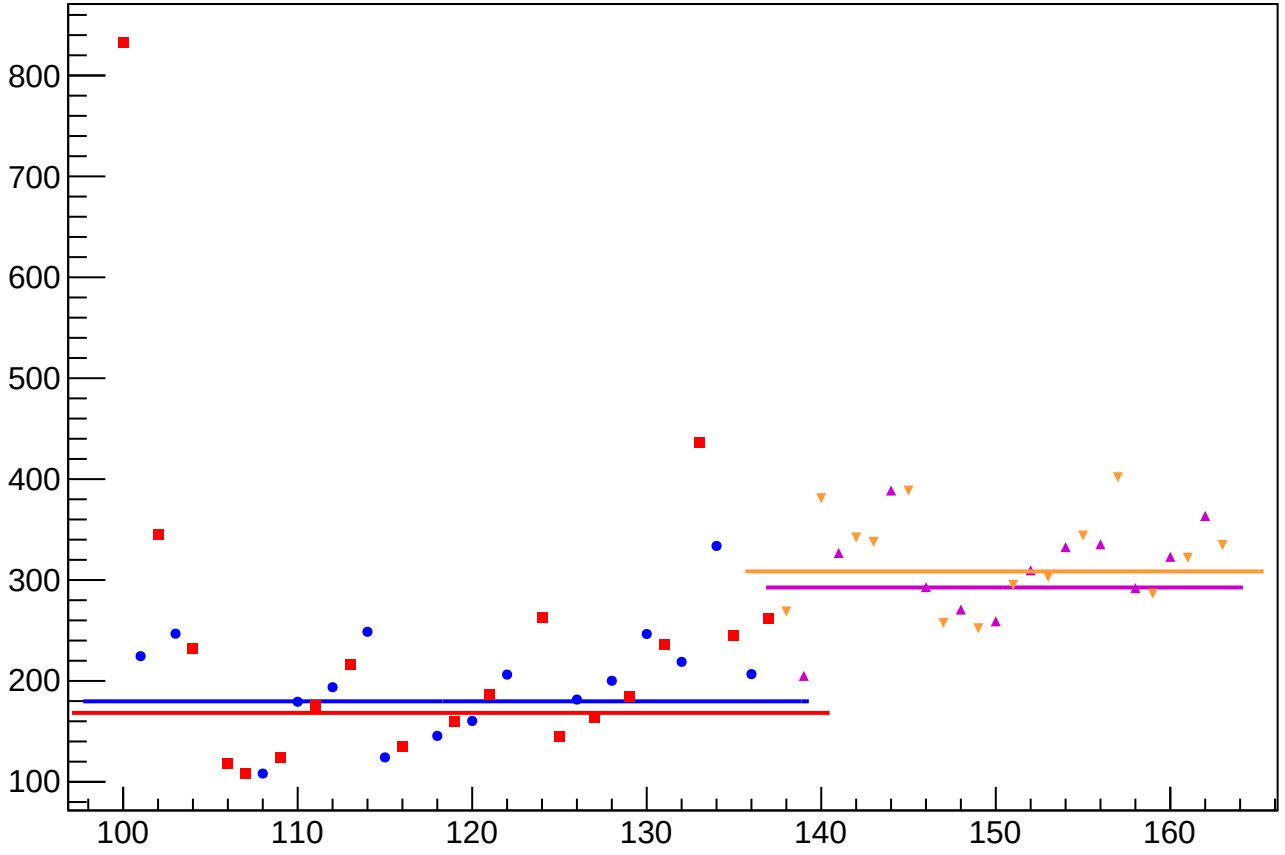
Left In: -0.025+/-0.093 χ^2/NDF:15.7/11

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.035+/-0.039 χ^2/NDF: 64.3/60

- sign 0.053+/-0.055 χ^2/NDF: 34.4/30

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

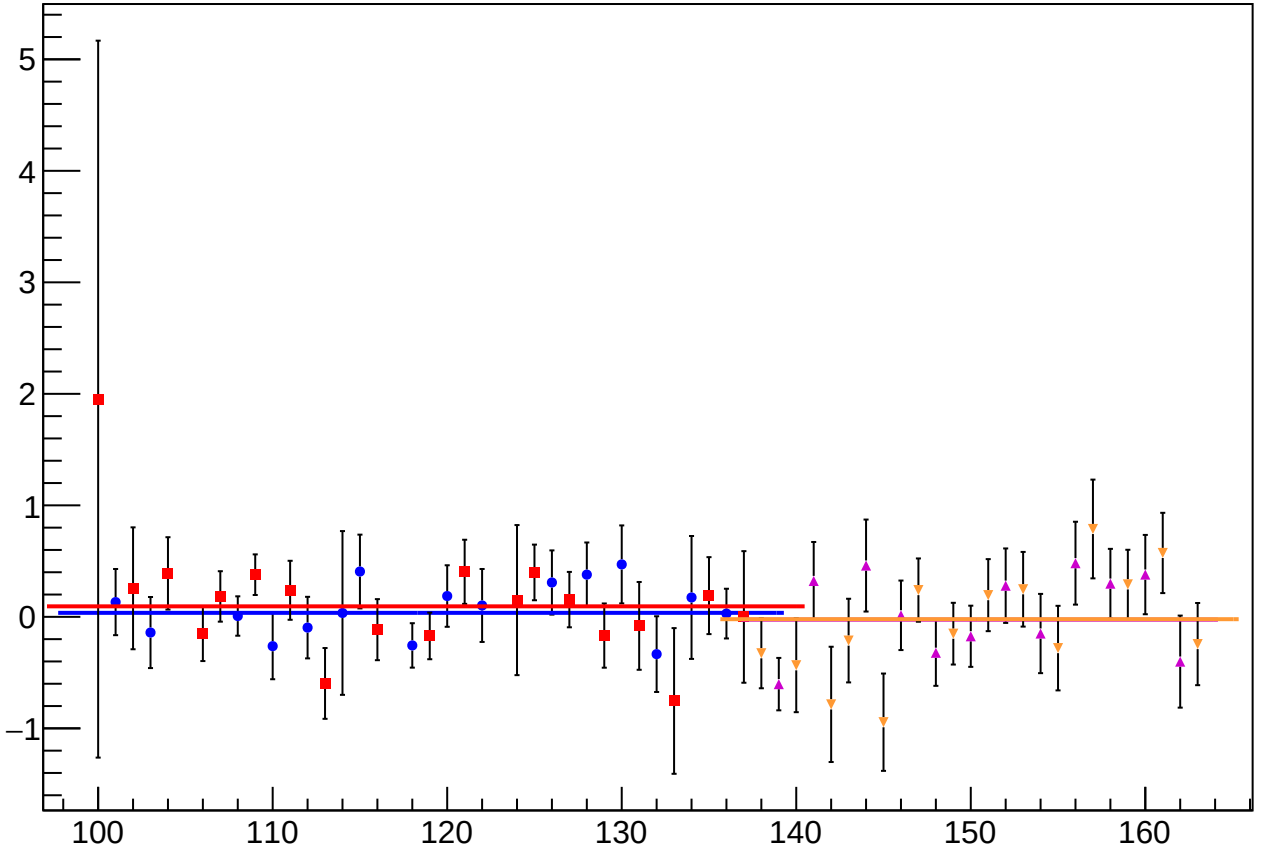
Left In: 292.602+/-0.066 χ^2/NDF:576937.0/11

+ sign 226.270+/-0.040 χ^2/NDF: 3781320.3/29

All: 218.526+/-0.028 χ^2/NDF: 8171904.4/60

- sign 211.241+/-0.039 χ^2/NDF: 4317472.1/30

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: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

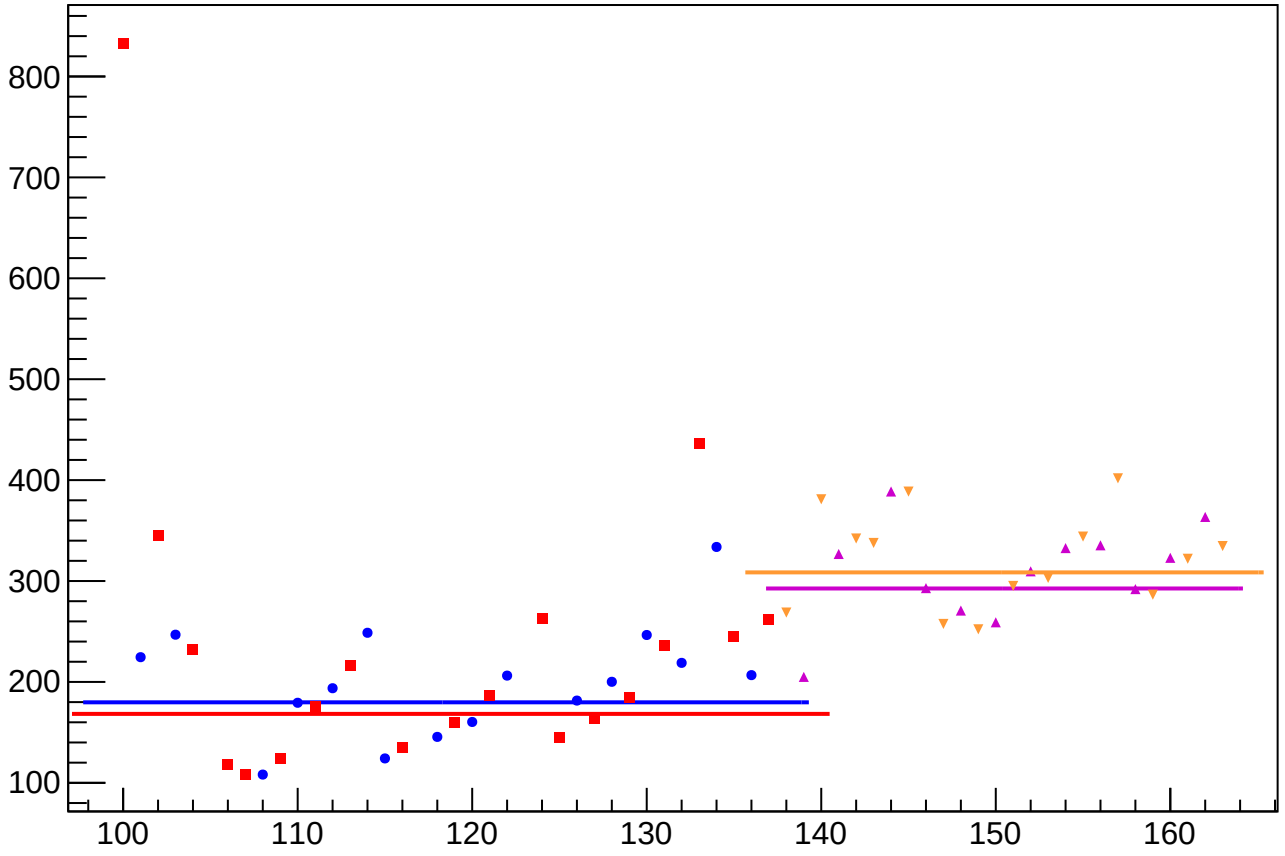
Left In: -0.025+/-0.093 χ^2/NDF:15.7/11

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.035+/-0.039 χ^2/NDF: 64.3/60

- sign 0.053+/-0.055 χ^2/NDF: 34.4/30

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: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

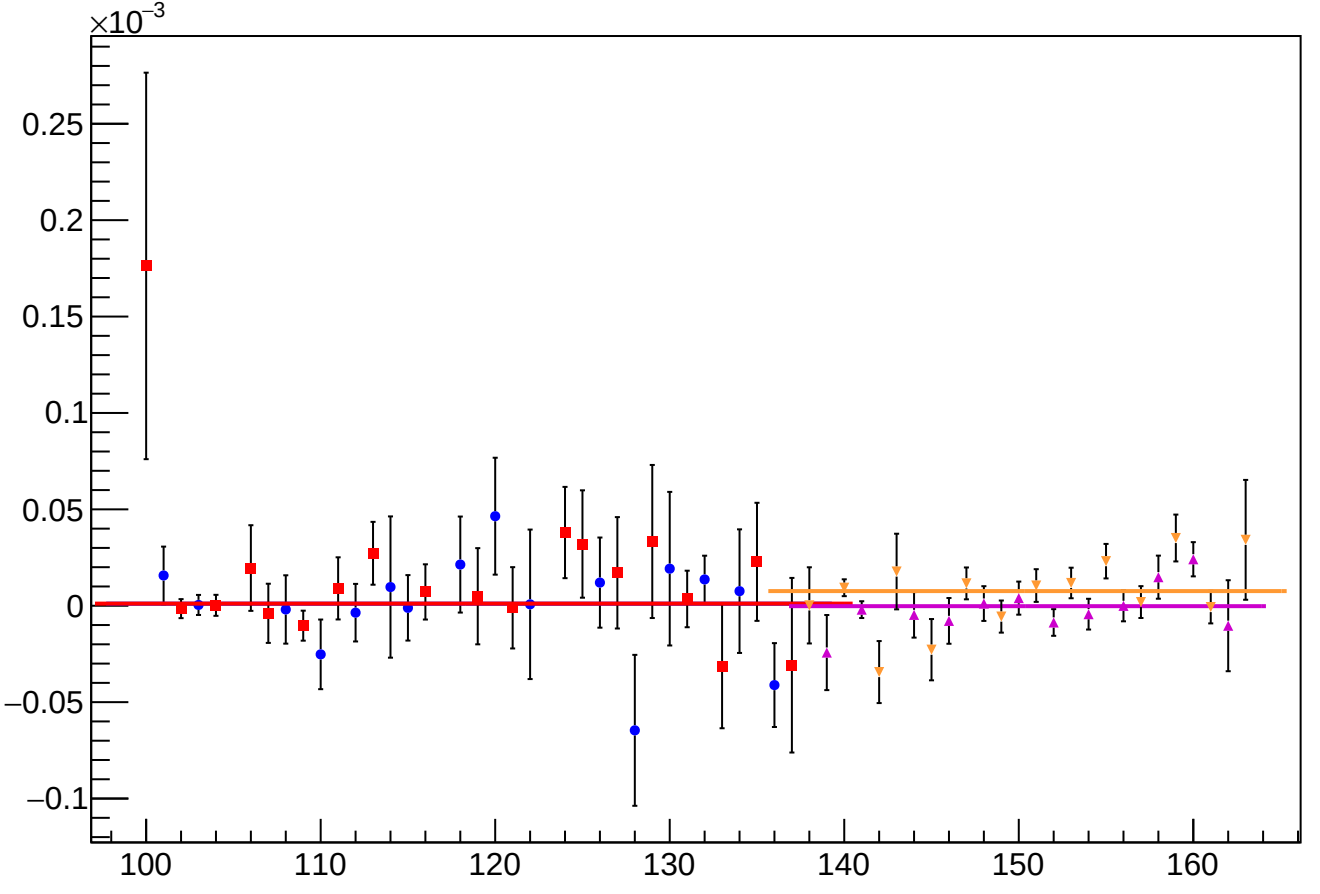
Left In: 292.602+/-0.066 χ^2/NDF:576937.0/11

+ sign 226.270+/-0.040 χ^2/NDF: 3781320.3/29

All: 218.526+/-0.028 χ^2/NDF: 8171904.4/60

- sign 211.241+/-0.039 χ^2/NDF: 4317472.1/30

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:24.5/13

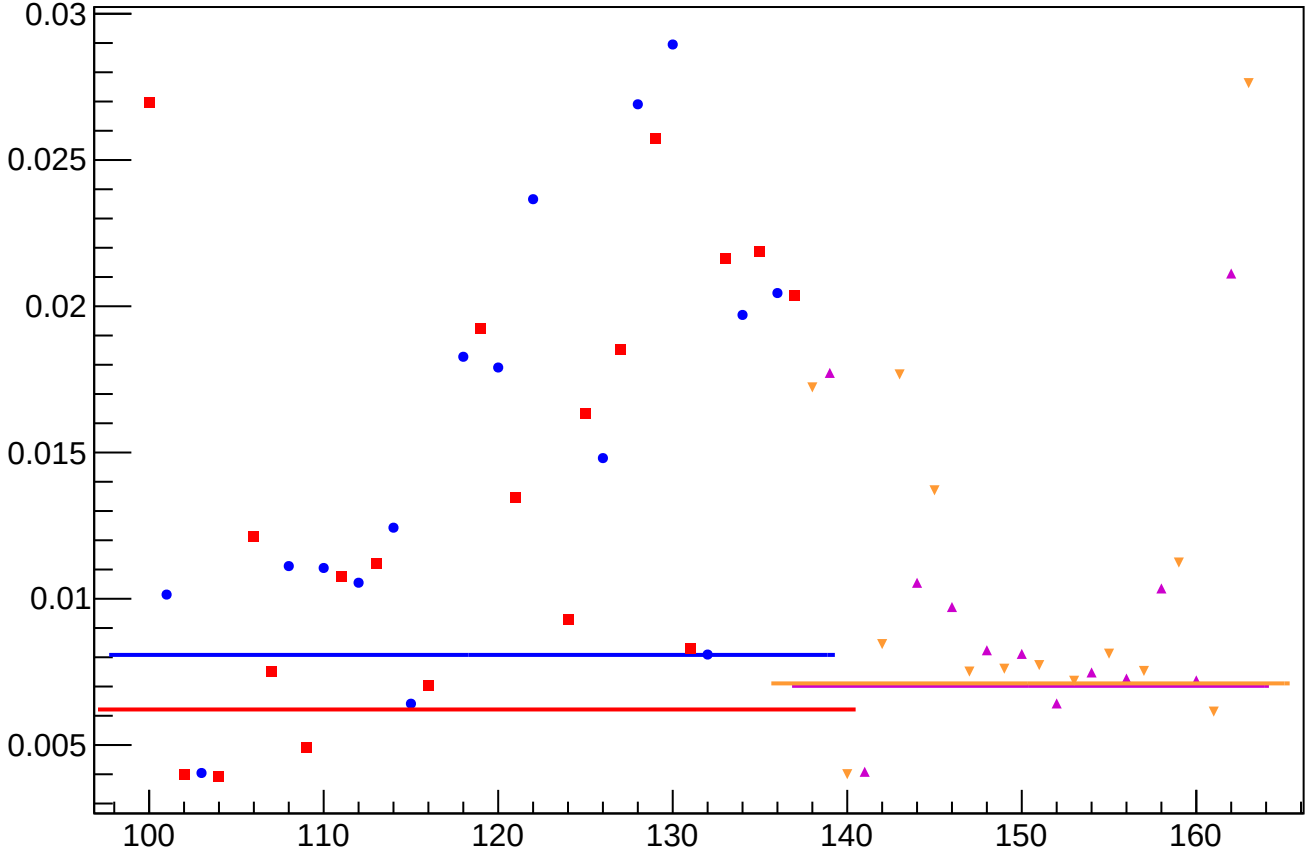
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 41.0/29

All: 0.000+/-0.000 χ^2/NDF: 74.7/60

- sign 0.000+/-0.000 χ^2/NDF: 29.9/30



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:3657329.9/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

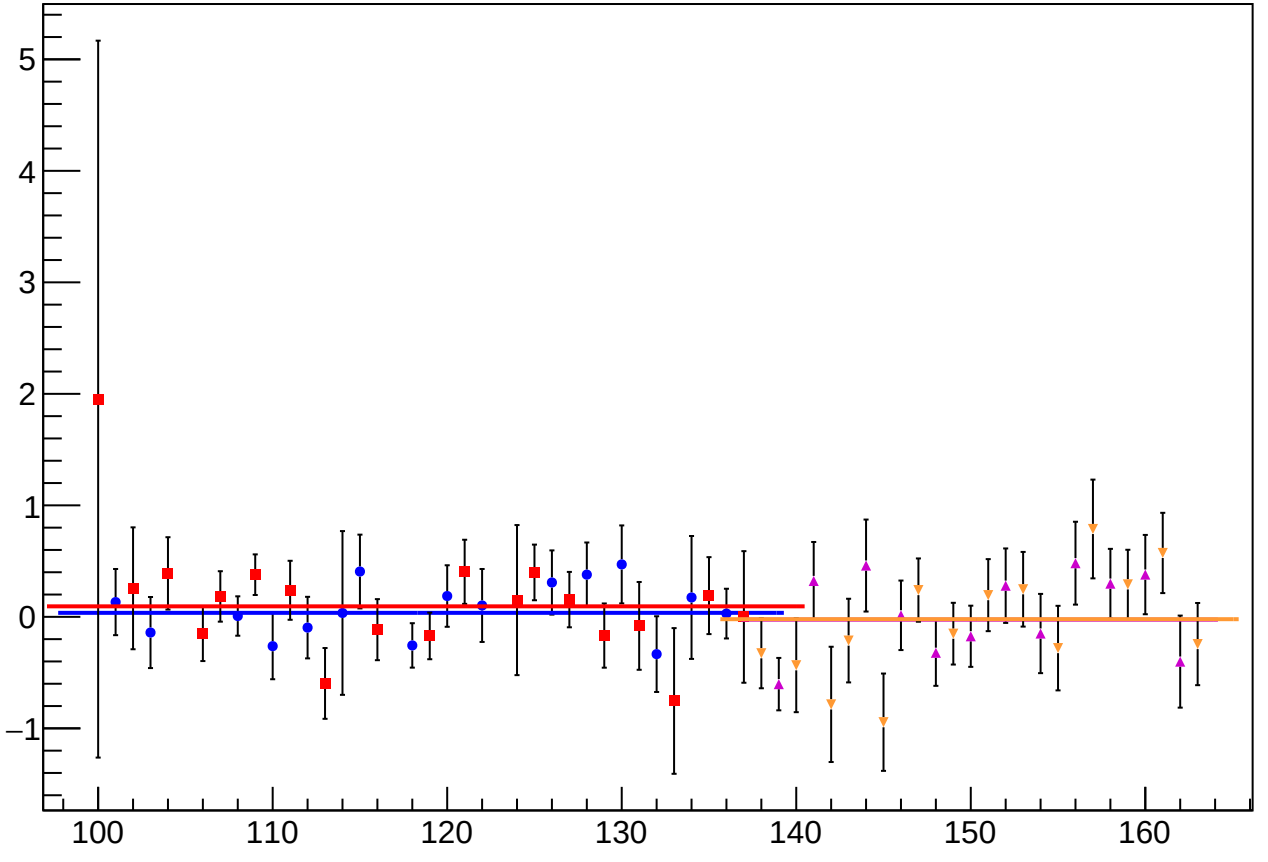
Left In: 0.007+/-0.000 χ^2/NDF:2781754.1/11

+ sign 0.007+/-0.000 χ^2/NDF: 8167833.4/29

All: 0.007+/-0.000 χ^2/NDF: 15742526.6/60

- sign 0.007+/-0.000 χ^2/NDF: 7437532.7/30

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: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

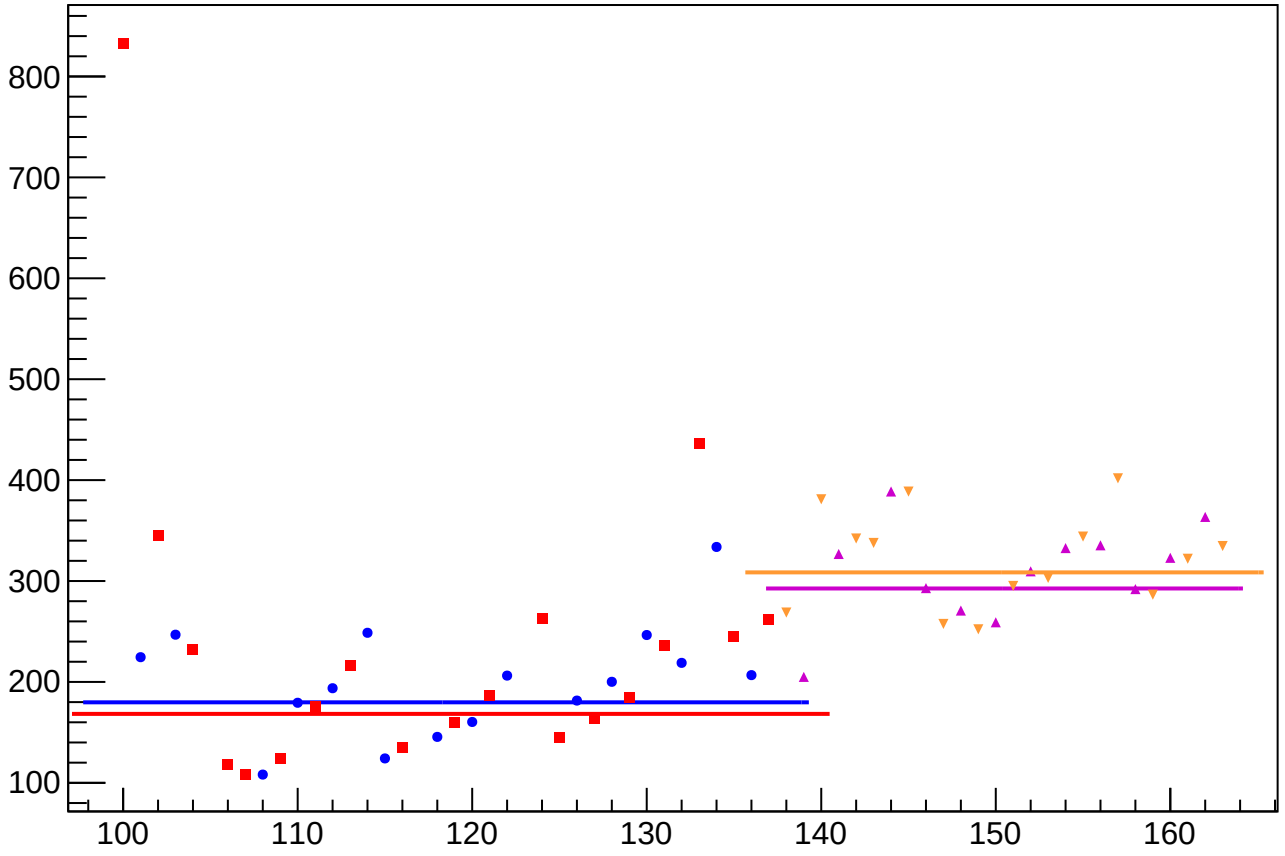
Left In: -0.025+/-0.093 χ^2/NDF:15.7/11

+ sign 0.015+/-0.056 χ^2/NDF: 29.7/29

All: 0.035+/-0.039 χ^2/NDF: 64.3/60

- sign 0.053+/-0.055 χ^2/NDF: 34.4/30

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: 308.564+/-0.066 χ^2/NDF:460211.7/13

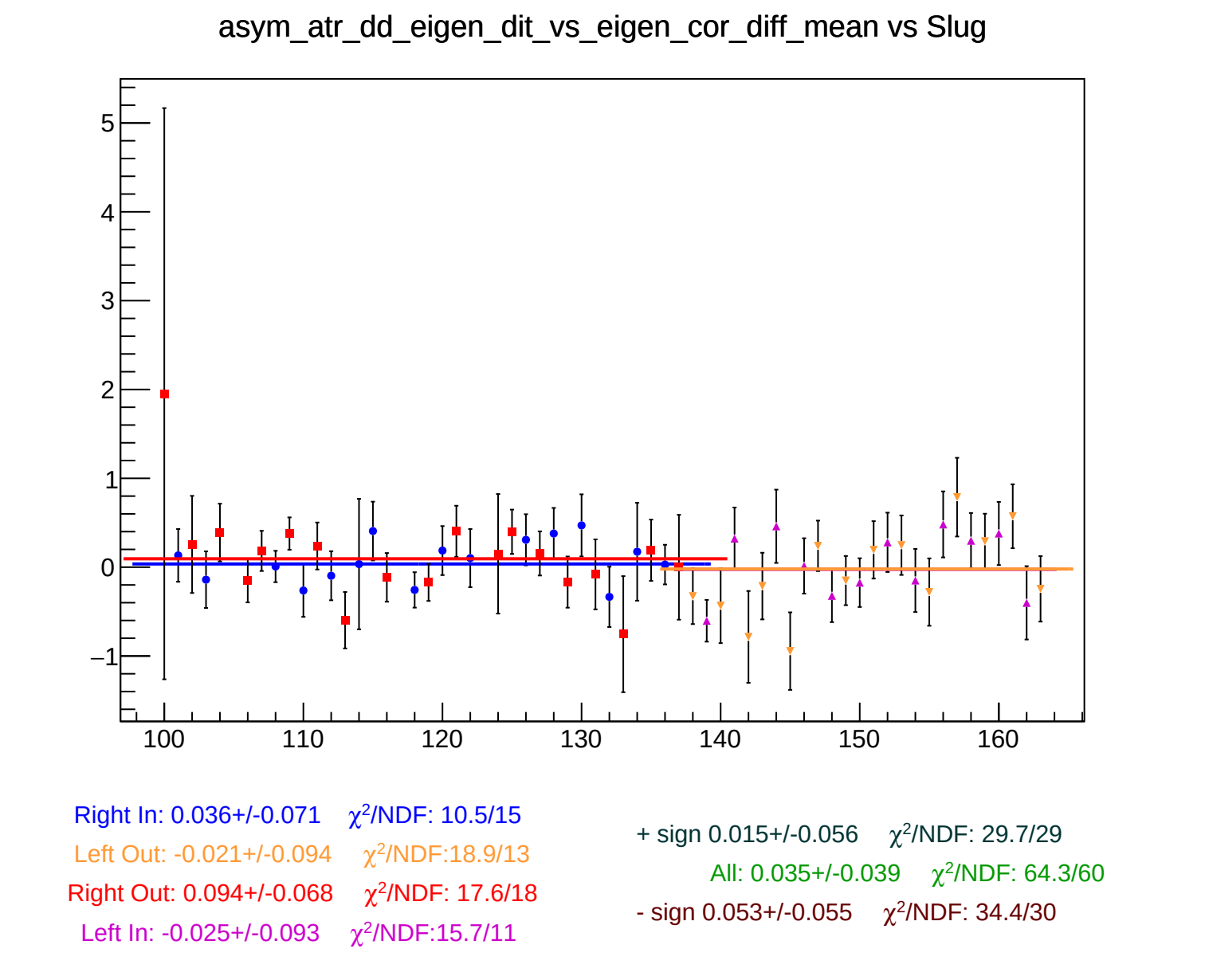
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

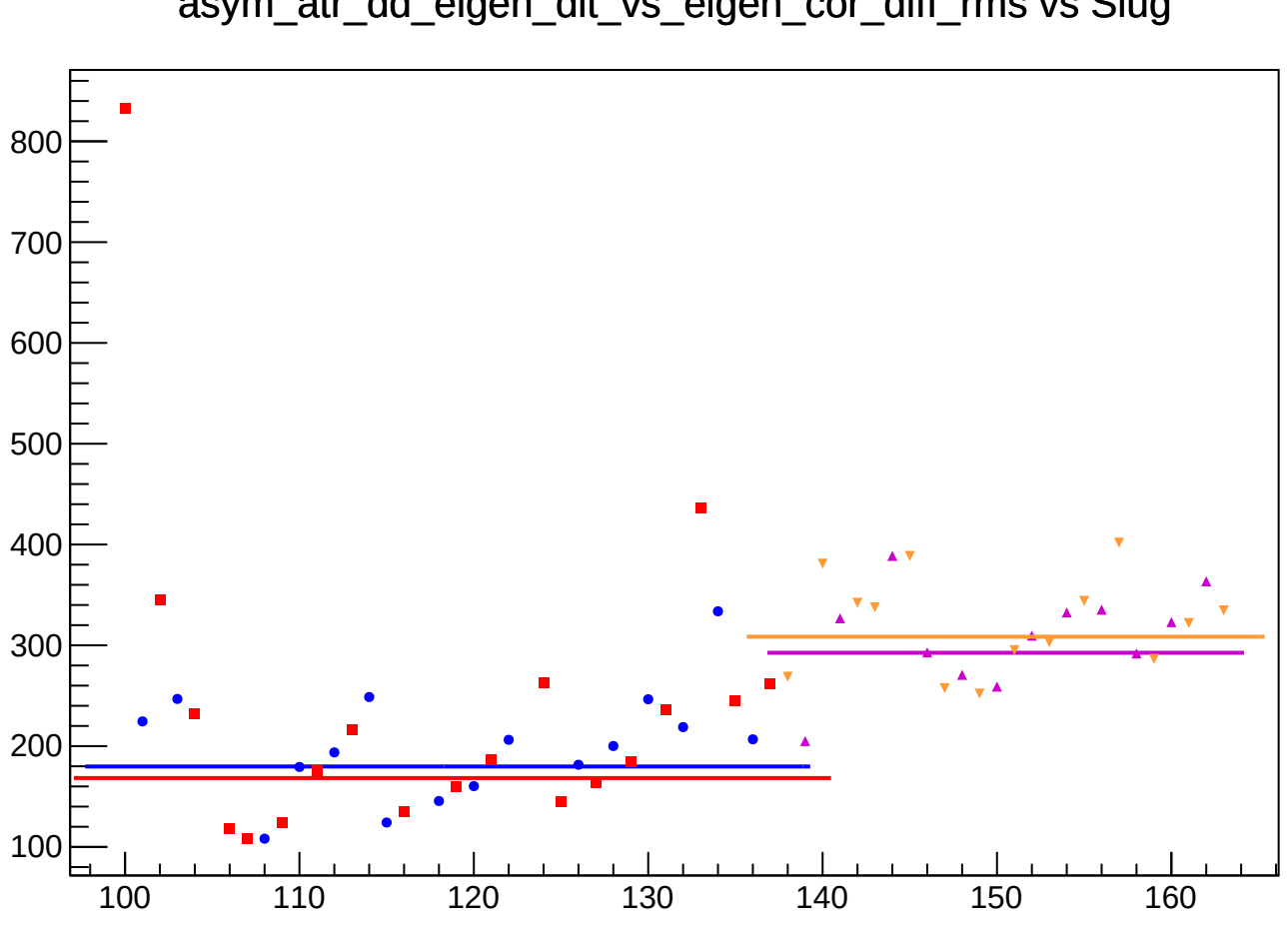
Left In: 292.607+/-0.066 χ^2/NDF:576917.9/11

+ sign 226.268+/-0.040 χ^2/NDF: 3781610.9/29

All: 218.526+/-0.028 χ^2/NDF: 8172281.8/60

- sign 211.241+/-0.039 χ^2/NDF: 4317578.8/30


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
160
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.021+/-0.094 χ²/NDF:18.9/13
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.025+/-0.093 χ²/NDF:15.7/11
+ sign 0.015+/-0.056 χ²/NDF: 29.7/29
All: 0.035+/-0.039 χ²/NDF: 64.3/60
- sign 0.053+/-0.055 χ²/NDF: 34.4/30



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.564+/-0.066 χ^2/NDF:460211.7/13

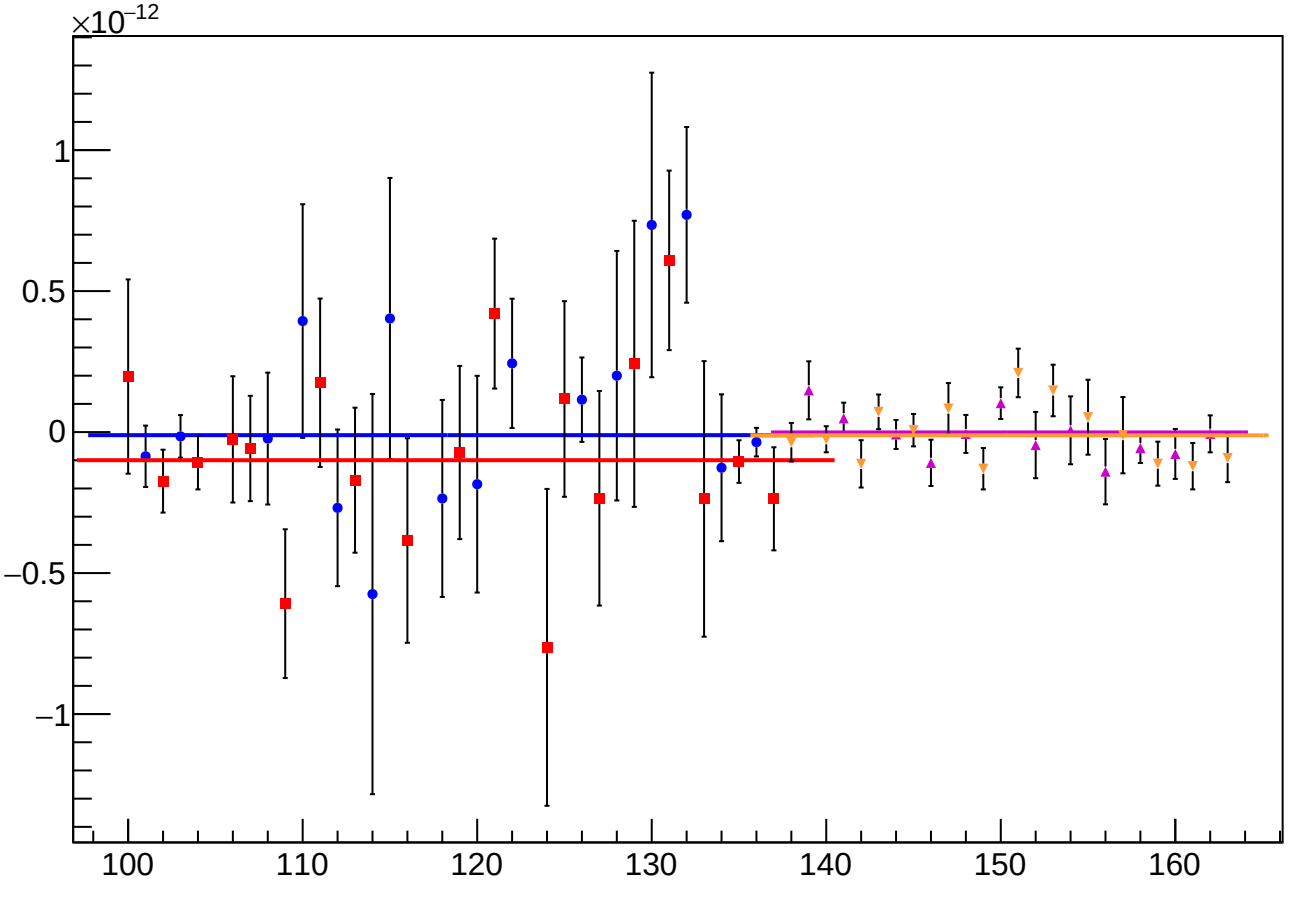
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.607+/-0.066 χ^2/NDF:576917.9/11

+ sign 226.268+/-0.040 χ^2/NDF: 3781610.9/29

All: 218.526+/-0.028 χ^2/NDF: 8172281.8/60

- sign 211.241+/-0.039 χ^2/NDF: 4317578.8/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/13

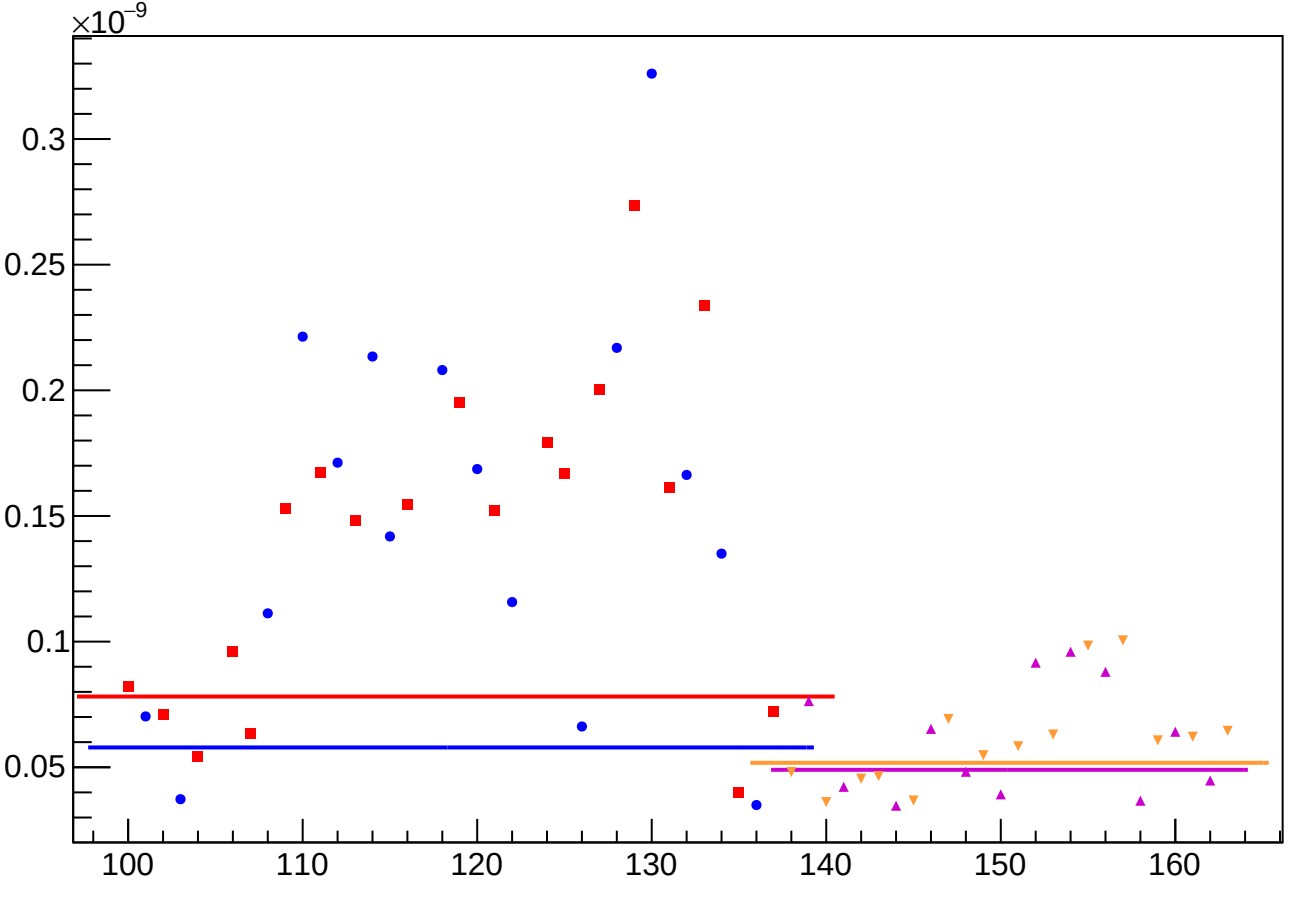
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/29

All: -0.000+/-0.000 χ^2/NDF: 71.0/60

- sign -0.000+/-0.000 χ^2/NDF: 34.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124859.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

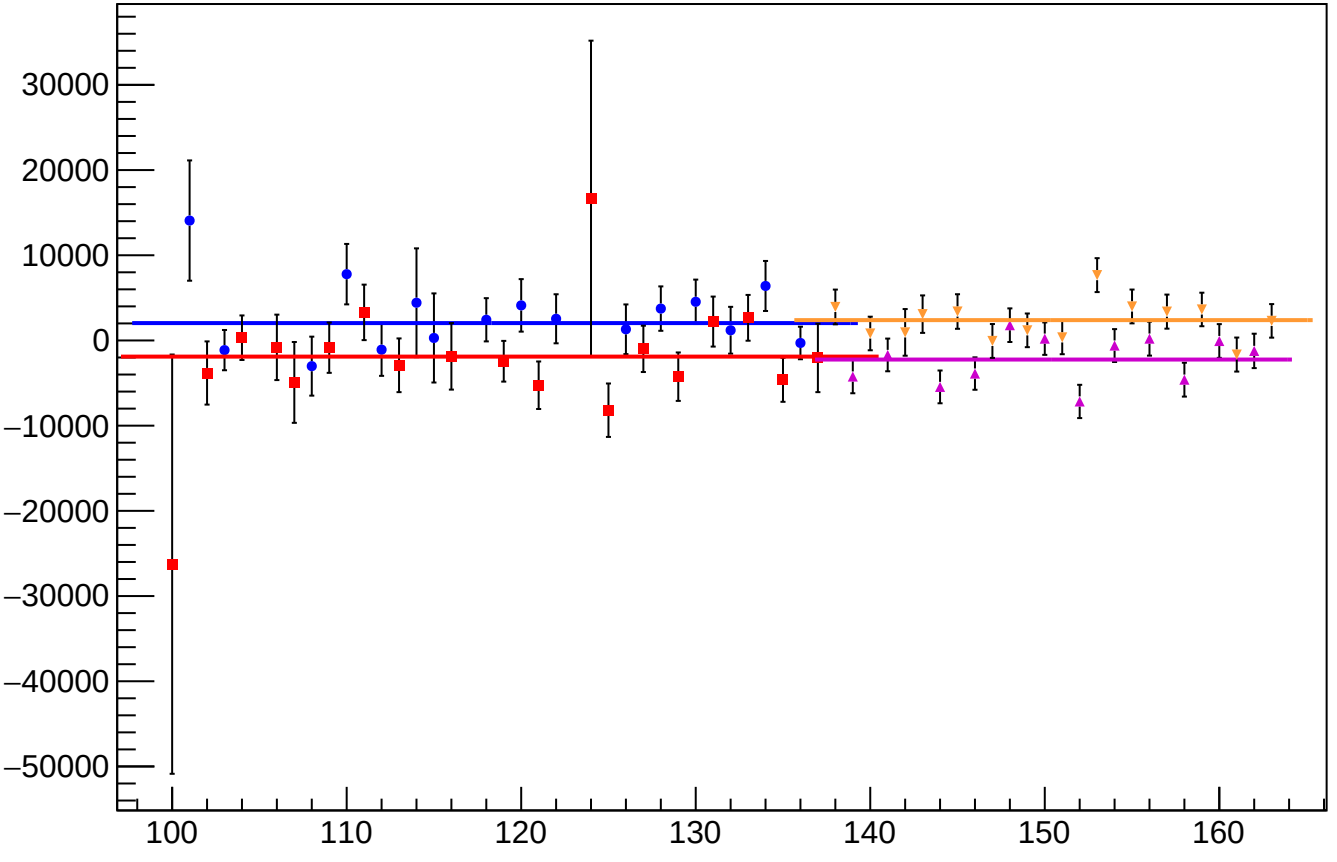
Left In: 0.000+/-0.000 χ^2/NDF:1431983.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 4493220.5/29

All: 0.000+/-0.000 χ^2/NDF: 9438820.6/60

- sign 0.000+/-0.000 χ^2/NDF: 4940657.5/30

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.180+/-544.768 χ^2/NDF:17.2/13

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

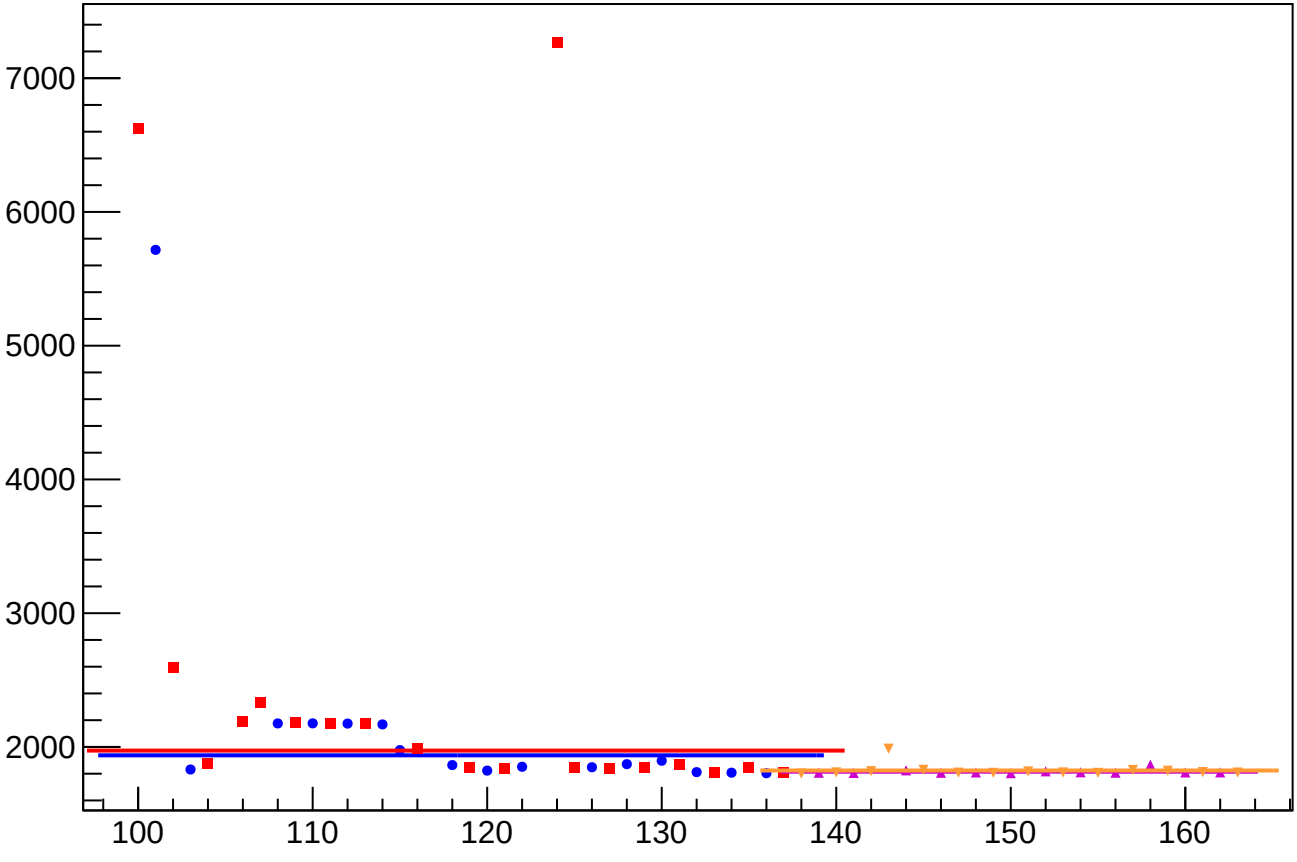
Left In: -2240.771+/-563.757 χ^2/NDF:21.9/11

+ sign 2263.418+/-437.915 χ^2/NDF: 33.8/29

All: 123.577+/-313.062 χ^2/NDF: 123.2/60

- sign -2113.172+/-447.722 χ^2/NDF: 40.6/30

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

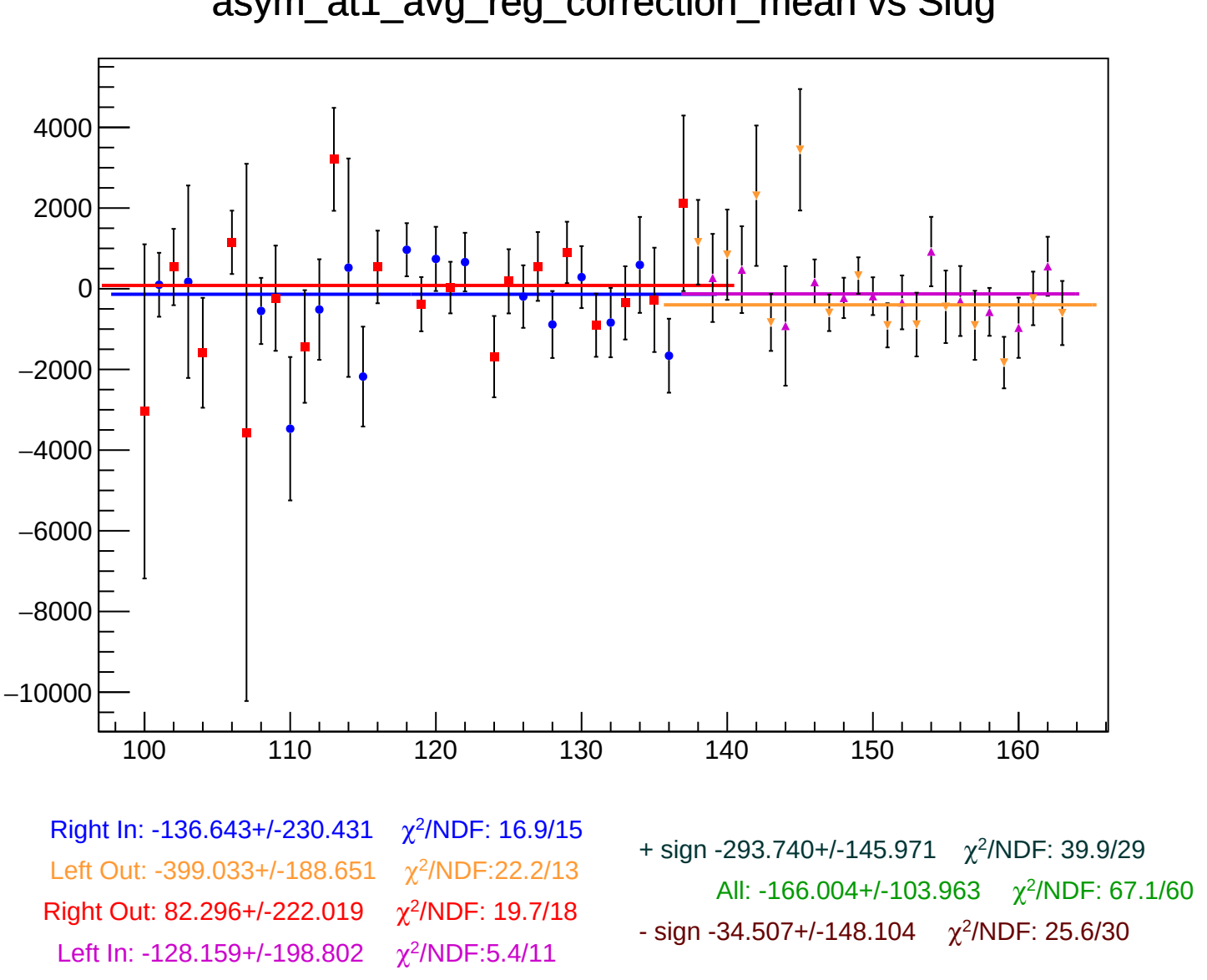
Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

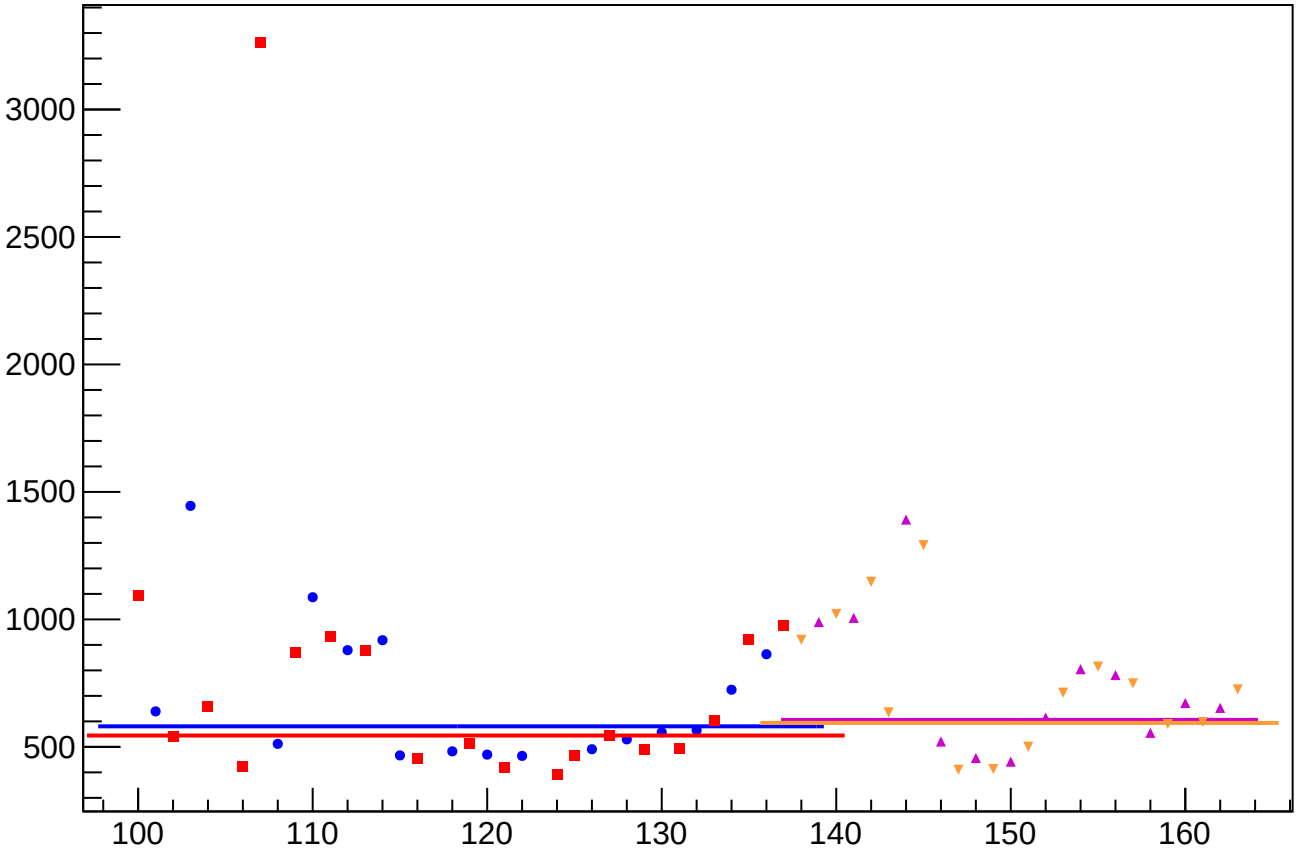
+ sign 1864.032+/-0.310 χ^2/NDF: 680861.8/29

All: 1868.487+/-0.221 χ^2/NDF: 1118508.2/60

- sign 1873.144+/-0.317 χ^2/NDF: 437223.0/30


asym_at1_avg_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -136.643+/-230.431 χ²/NDF: 16.9/15
Left Out: -399.033+/-188.651 χ²/NDF:22.2/13
Right Out: 82.296+/-222.019 χ²/NDF: 19.7/18
Left In: -128.159+/-198.802 χ²/NDF:5.4/11
+ sign -293.740+/-145.971 χ²/NDF: 39.9/29
All: -166.004+/-103.963 χ²/NDF: 67.1/60
- sign -34.507+/-148.104 χ²/NDF: 25.6/30

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 593.900+/-0.133 χ^2/NDF:2116446.2/13

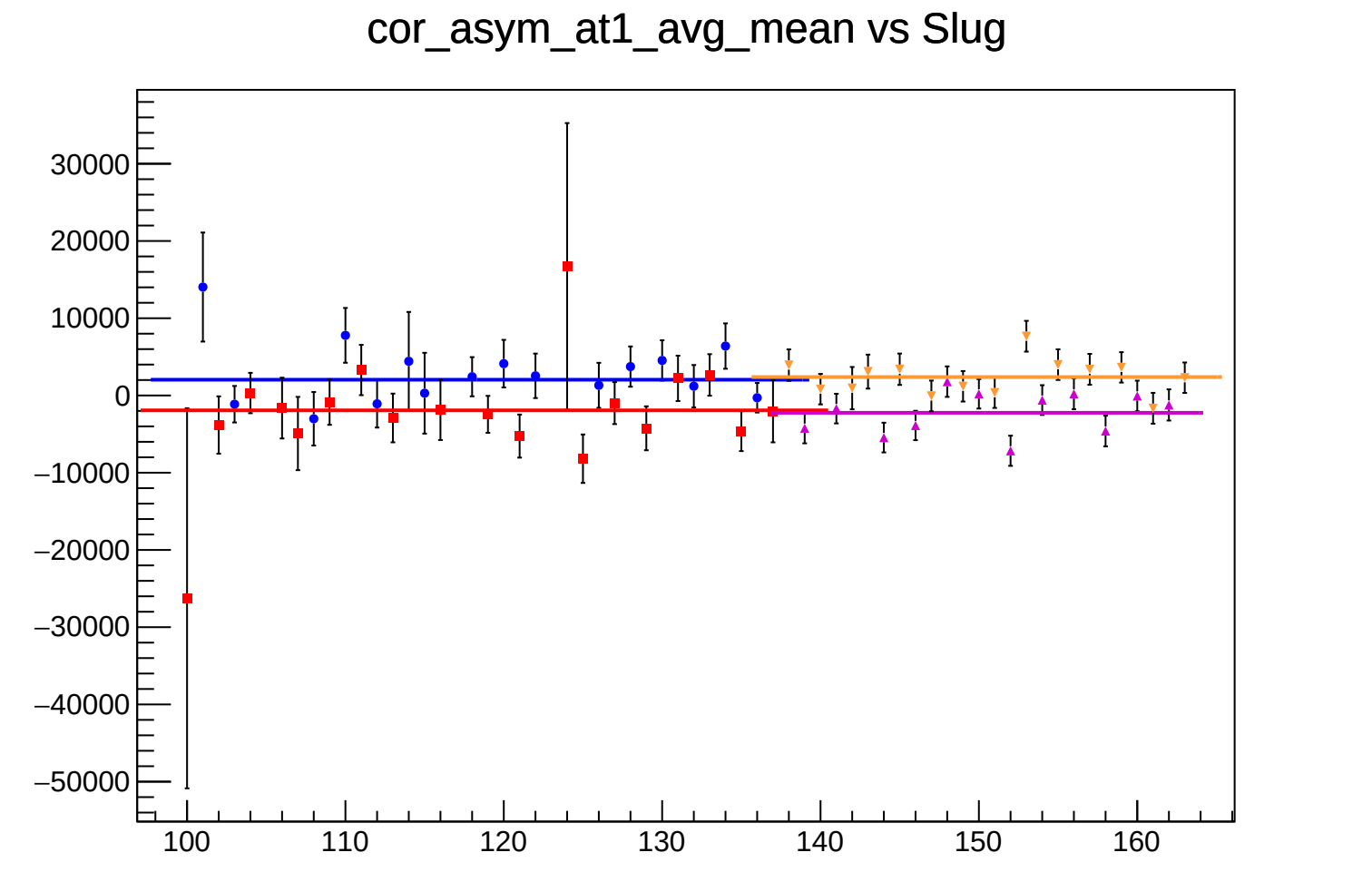
Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 605.856+/-0.141 χ^2/NDF:1783128.7/11

+ sign 588.567+/-0.103 χ^2/NDF: 3123839.4/29

All: 583.639+/-0.074 χ^2/NDF: 6283926.1/60

- sign 578.566+/-0.105 χ^2/NDF: 3155460.9/30



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

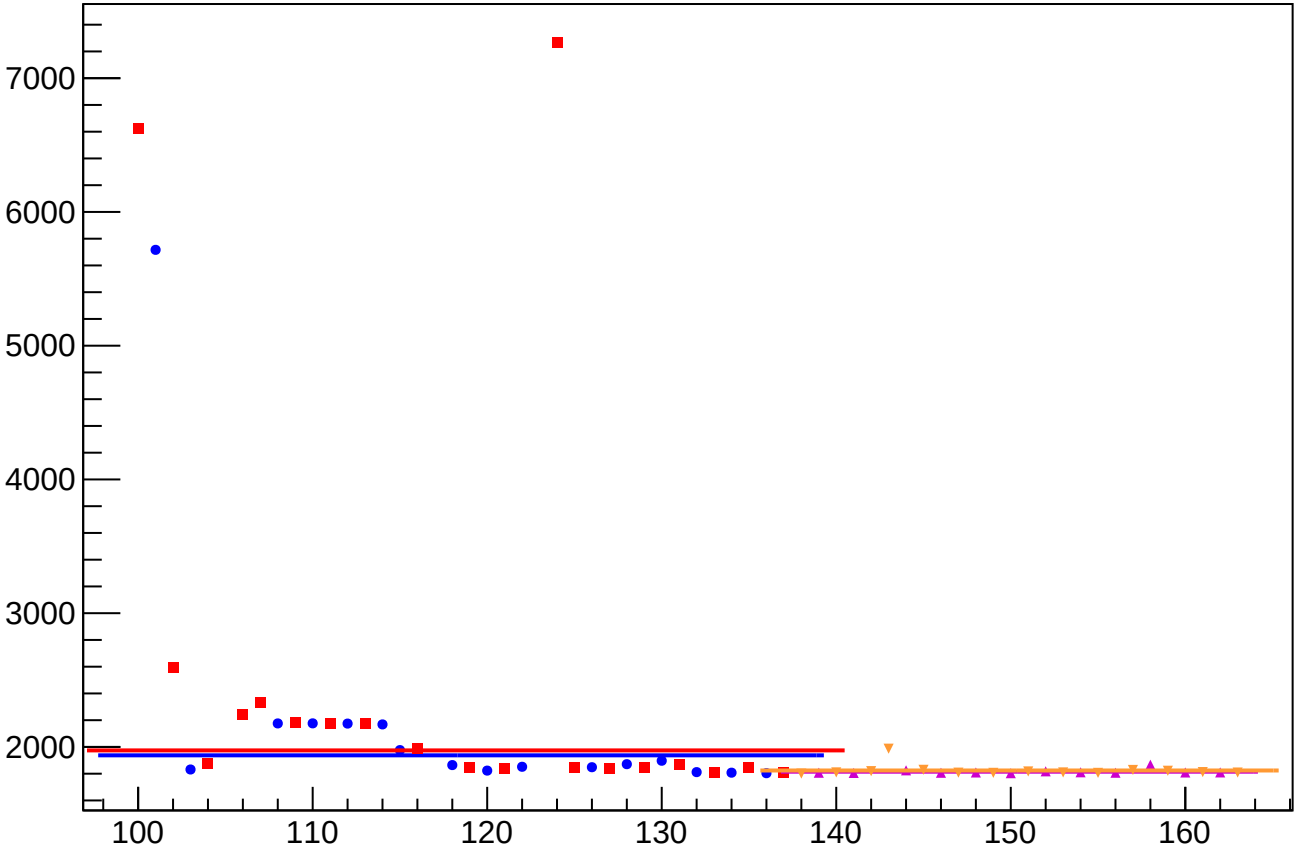
Left In: -2240.886+/-563.757 χ^2/NDF:21.9/11

+ sign 2263.276+/-437.915 χ^2/NDF: 33.8/29

All: 118.518+/-313.112 χ^2/NDF: 123.3/60

- sign -2124.830+/-447.867 χ^2/NDF: 40.5/30

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

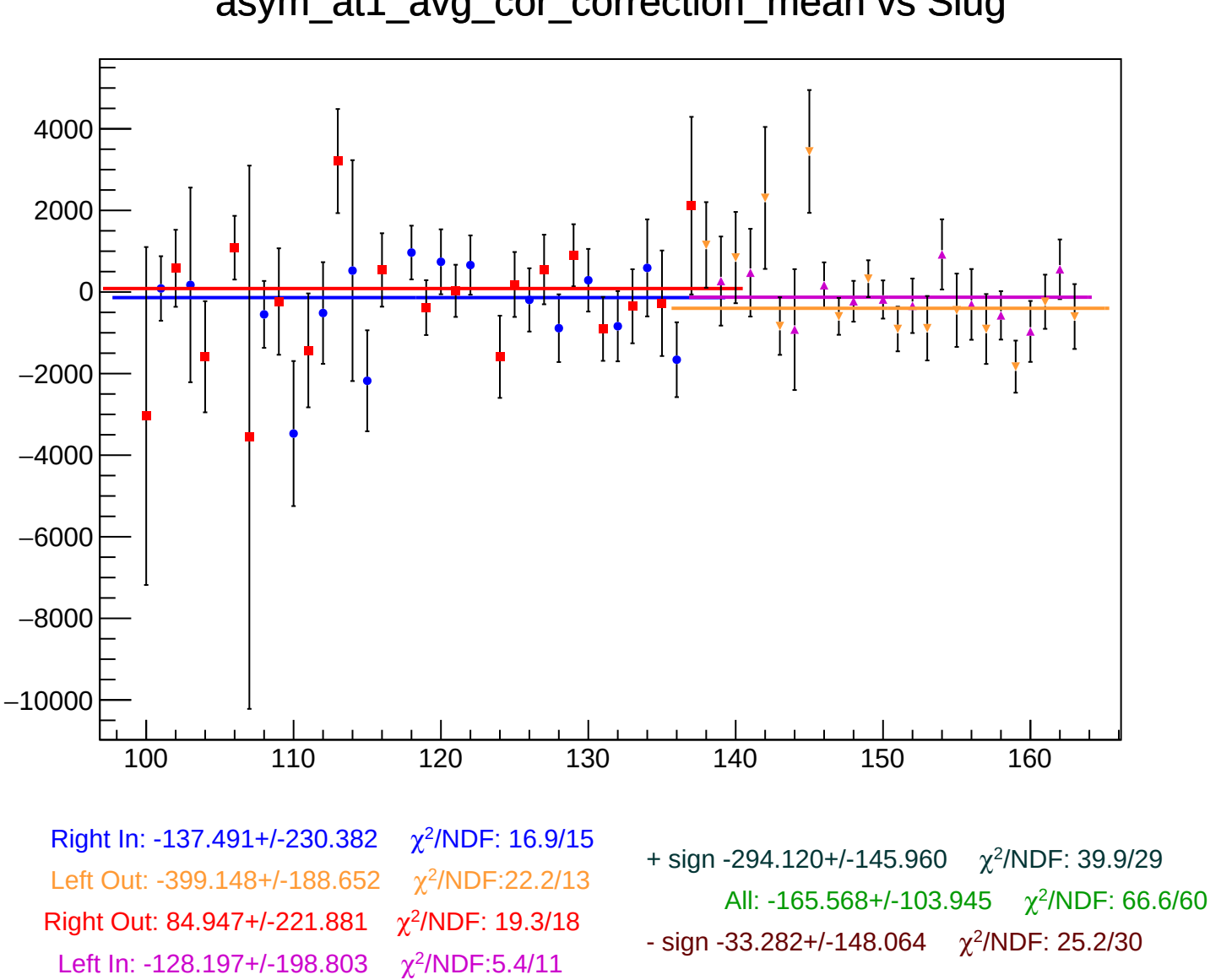
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

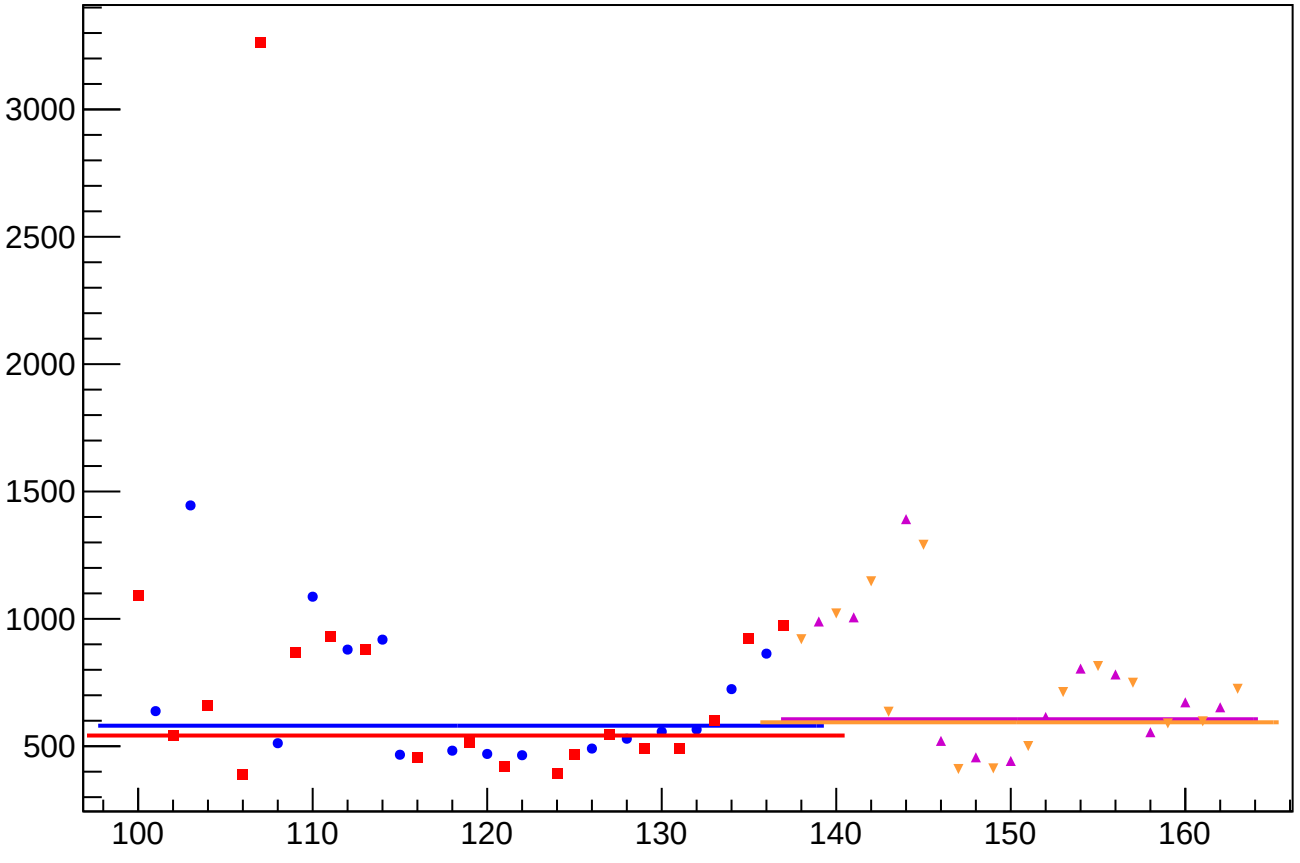
+ sign 1864.032+/-0.310 χ^2/NDF: 680861.7/29

All: 1868.705+/-0.221 χ^2/NDF: 1122407.2/60

- sign 1873.594+/-0.317 χ^2/NDF: 441079.4/30


asym_at1_avg_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -137.491+/-230.382 χ²/NDF: 16.9/15
Left Out: -399.148+/-188.652 χ²/NDF:22.2/13
Right Out: 84.947+/-221.881 χ²/NDF: 19.3/18
Left In: -128.197+/-198.803 χ²/NDF:5.4/11
+ sign -294.120+/-145.960 χ²/NDF: 39.9/29
All: -165.568+/-103.945 χ²/NDF: 66.6/60
- sign -33.282+/-148.064 χ²/NDF: 25.2/30

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

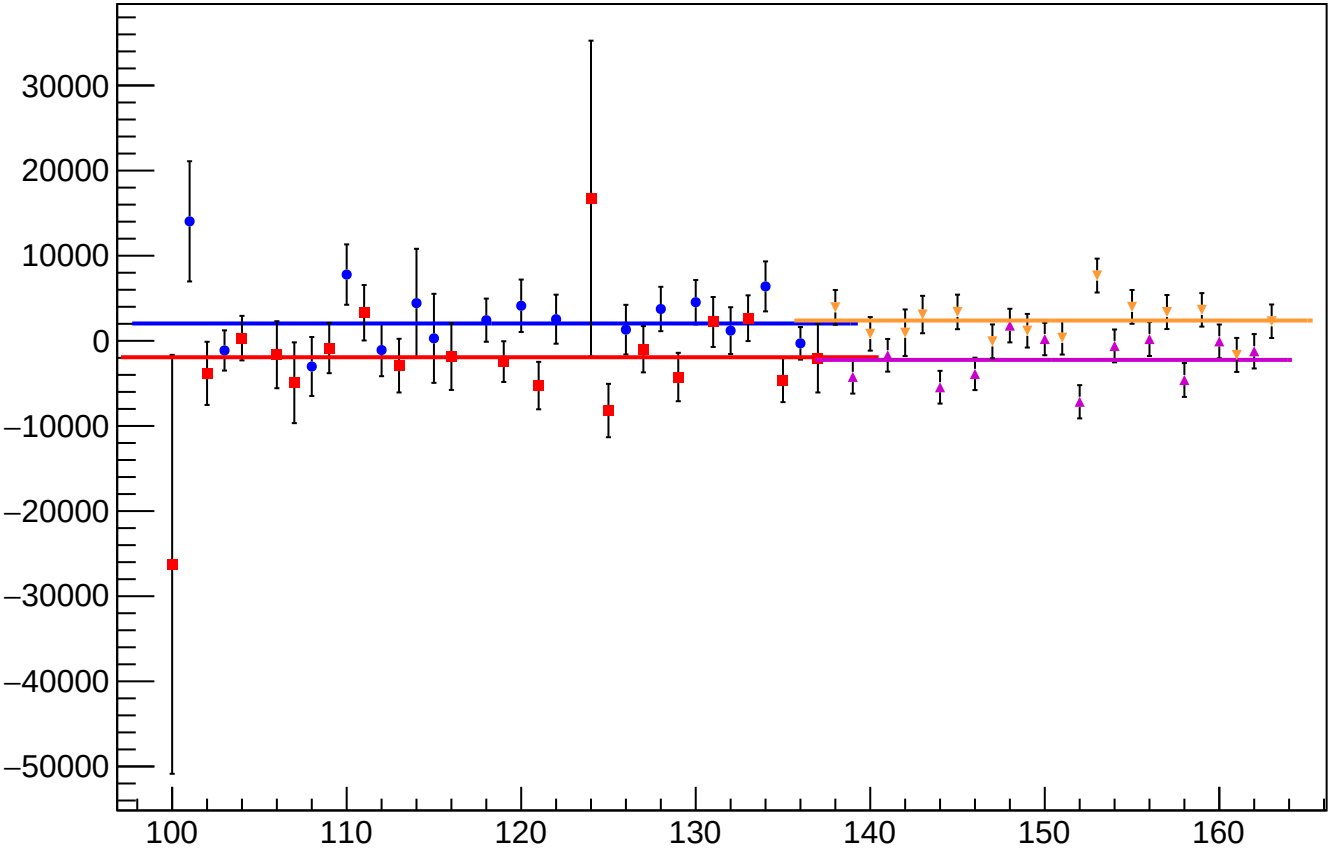
Left In: 605.859+/-0.141 χ^2/NDF:1783177.8/11

+ sign 588.531+/-0.103 χ^2/NDF: 3123498.1/29

All: 583.043+/-0.074 χ^2/NDF: 6323335.3/60

- sign 577.395+/-0.105 χ^2/NDF: 3194098.9/30

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

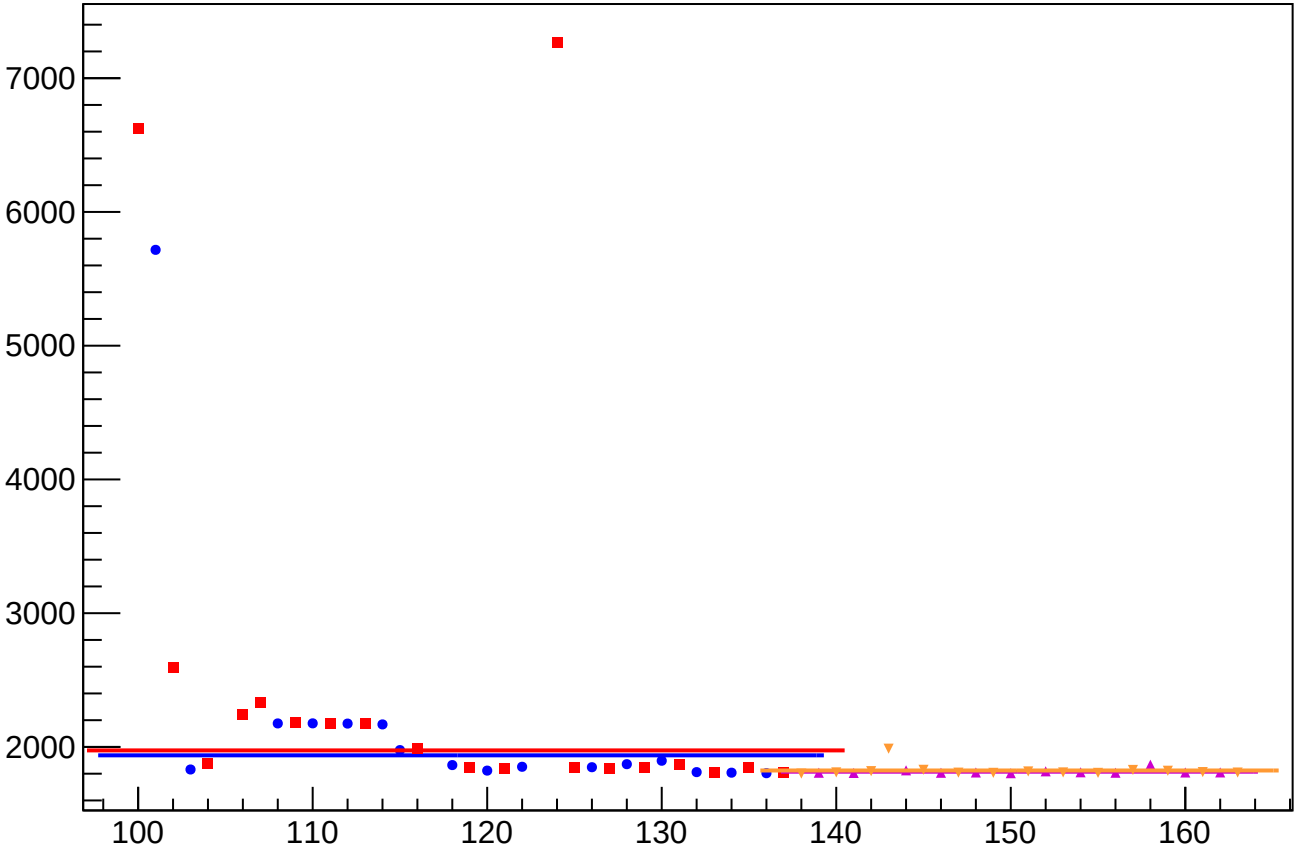
Left In: -2240.886+/-563.757 χ^2/NDF:21.9/11

+ sign 2263.276+/-437.915 χ^2/NDF: 33.8/29

All: 118.518+/-313.112 χ^2/NDF: 123.3/60

- sign -2124.830+/-447.867 χ^2/NDF: 40.5/30

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

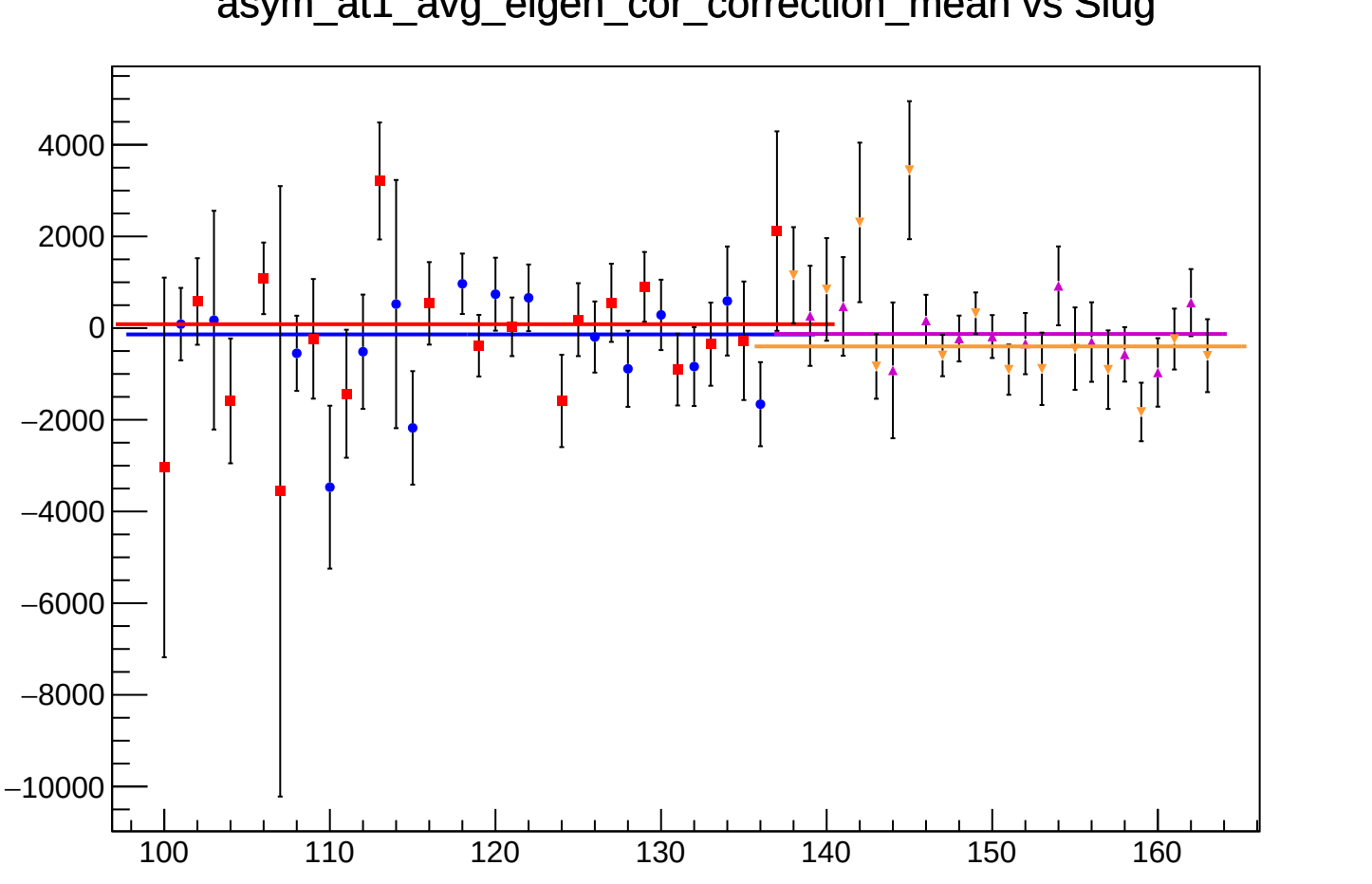
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

+ sign 1864.032+/-0.310 χ^2/NDF: 680861.7/29

All: 1868.705+/-0.221 χ^2/NDF: 1122407.2/60

- sign 1873.594+/-0.317 χ^2/NDF: 441079.4/30



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -399.148+/-188.652 χ^2/NDF:22.2/13

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

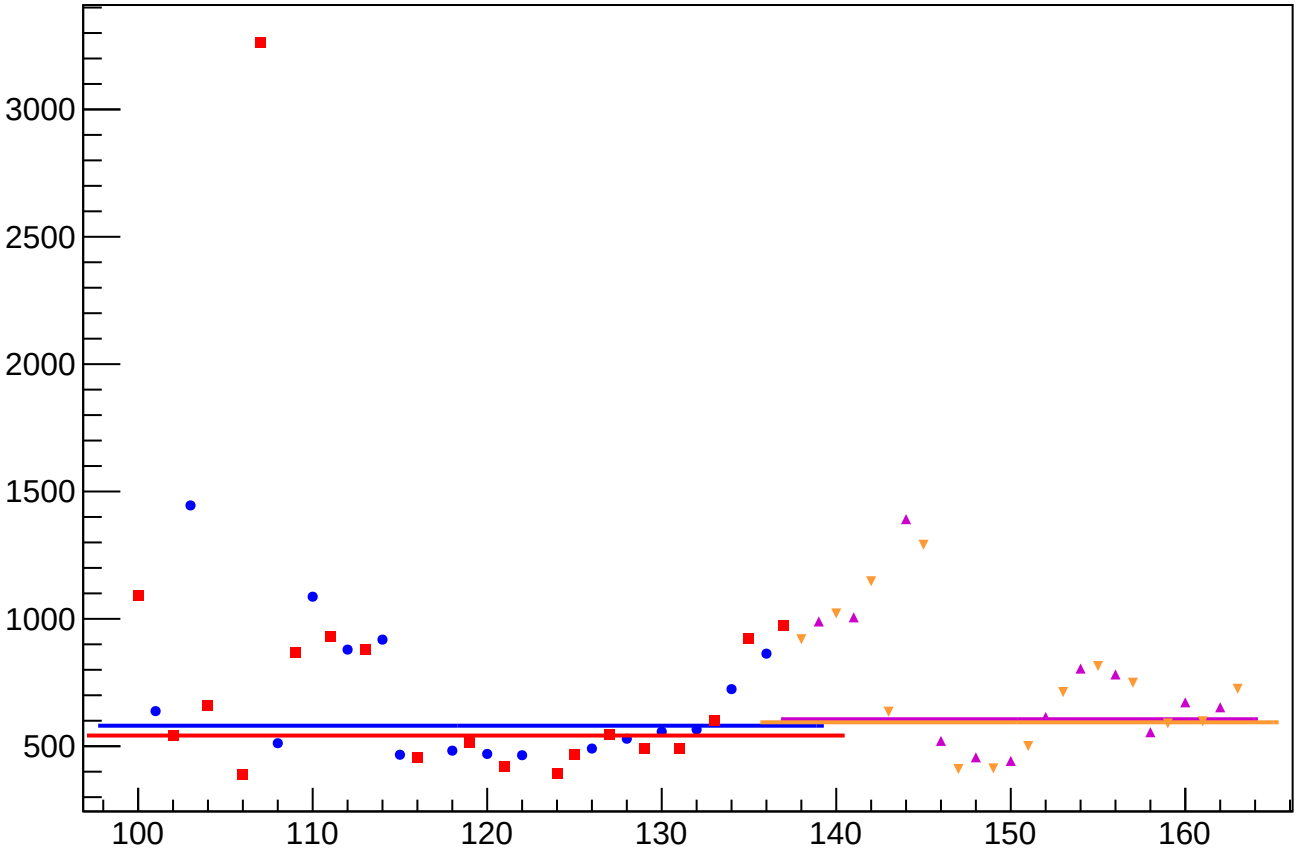
Left In: -128.197+/-198.803 χ^2/NDF:5.4/11

+ sign -294.120+/-145.960 χ^2/NDF: 39.9/29

All: -165.568+/-103.945 χ^2/NDF: 66.6/60

- sign -33.282+/-148.064 χ^2/NDF: 25.2/30

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

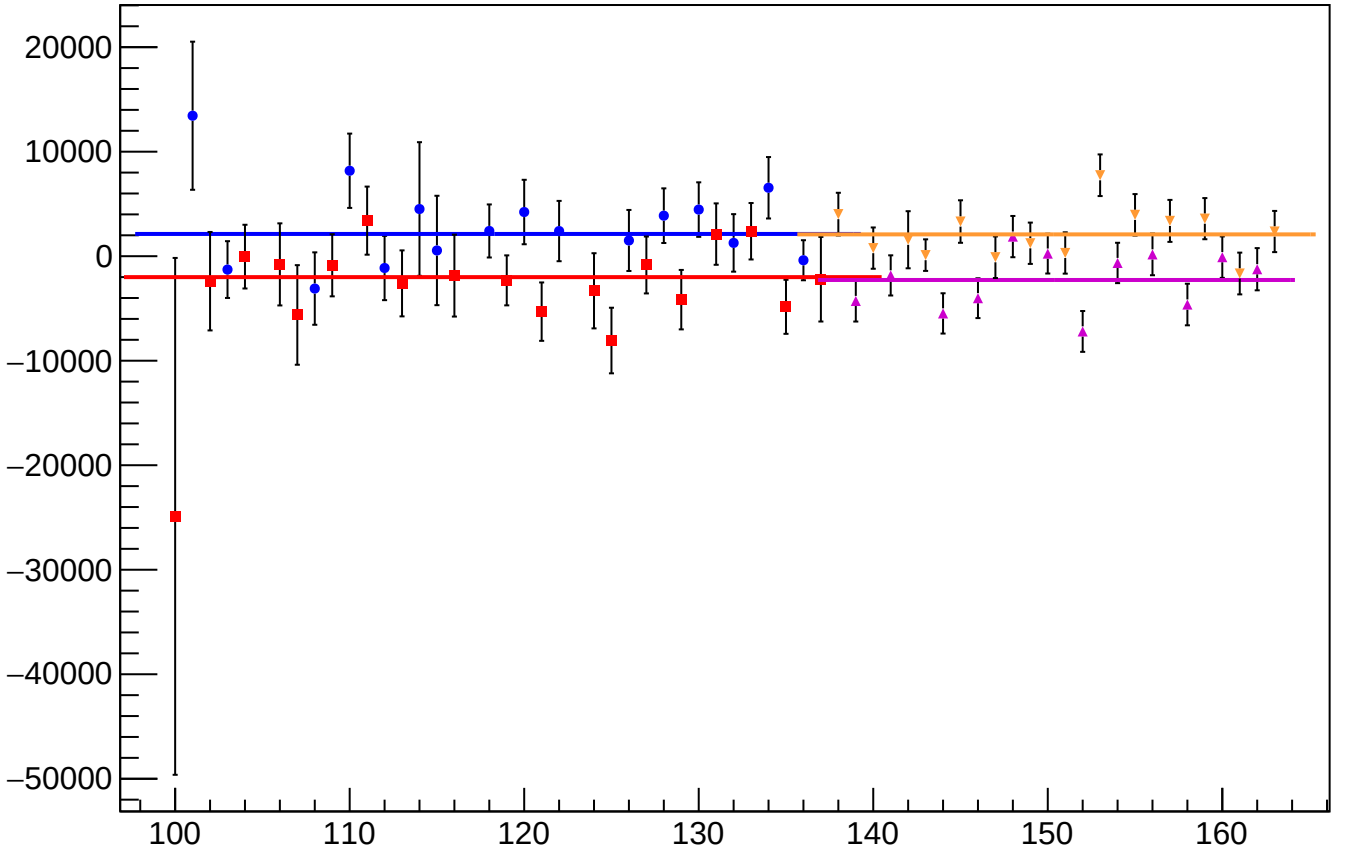
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.859+/-0.141 χ^2/NDF:1783177.8/11

+ sign 588.531+/-0.103 χ^2/NDF: 3123498.1/29

All: 583.043+/-0.074 χ^2/NDF: 6323335.3/60

- sign 577.395+/-0.105 χ^2/NDF: 3194098.9/30



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.679+/-527.460 χ^2/NDF:19.2/13

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

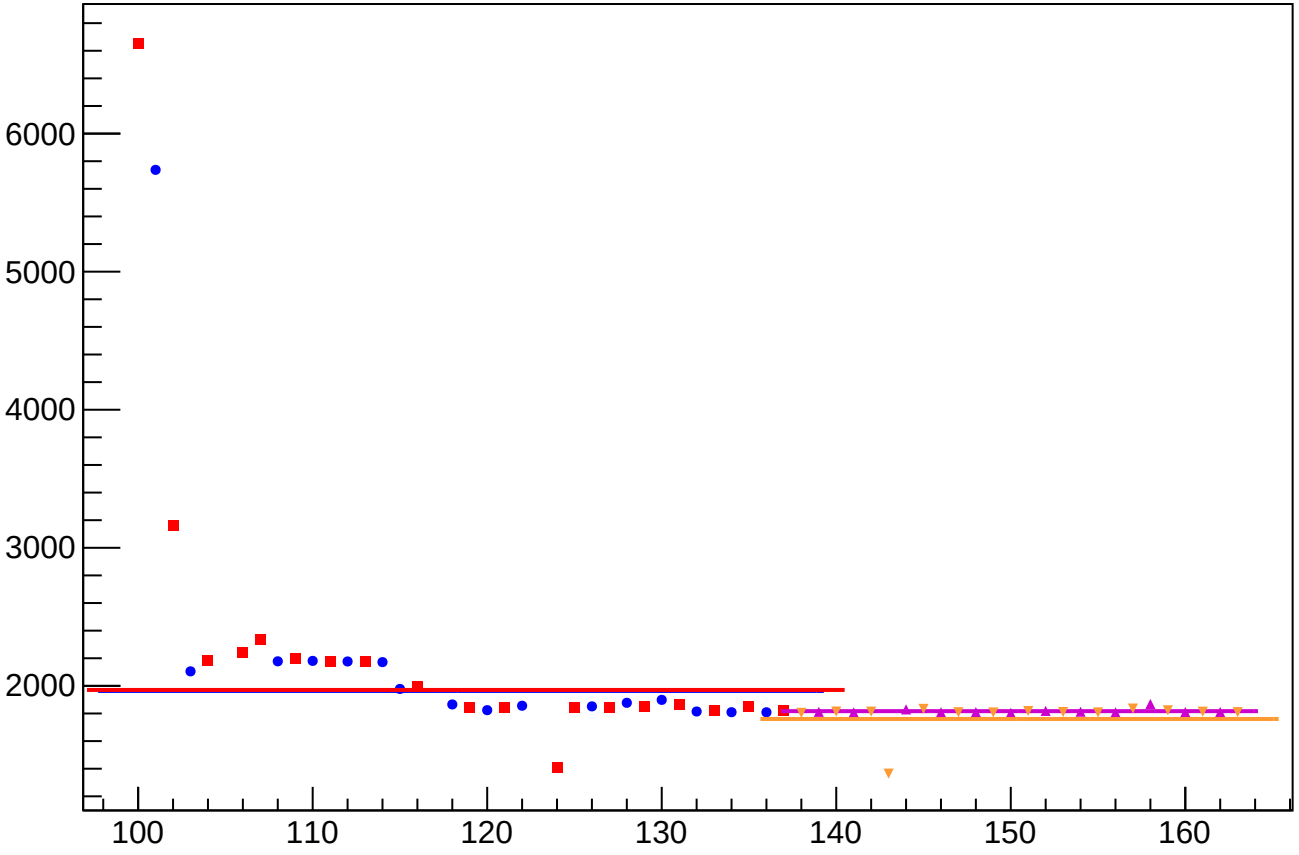
Left In: -2275.518+/-564.384 χ^2/NDF:22.3/11

+ sign 2101.362+/-430.727 χ^2/NDF: 35.7/29

All: 48.070+/-310.541 χ^2/NDF: 122.1/60

- sign -2174.526+/-448.133 χ^2/NDF: 39.1/30

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

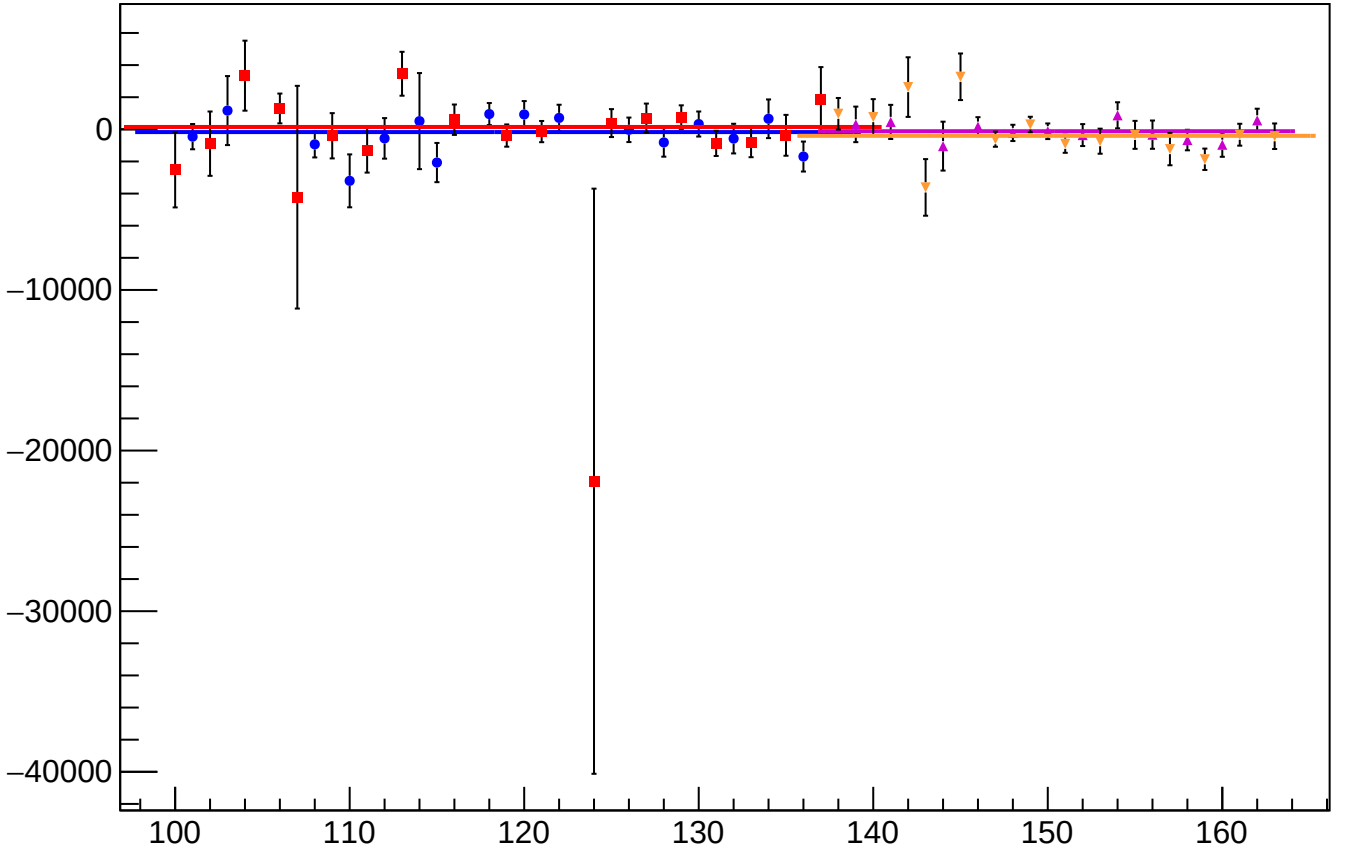
Left In: 1816.813+/-0.399 χ^2/NDF:1751.9/11

+ sign 1827.911+/-0.305 χ^2/NDF: 896387.3/29

All: 1849.846+/-0.220 χ^2/NDF: 1308847.9/60

- sign 1873.590+/-0.317 χ^2/NDF: 401659.2/30

asym_at1_avg_dit_correction_mean vs Slug



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.475+/-200.512 χ^2/NDF:24.3/13

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

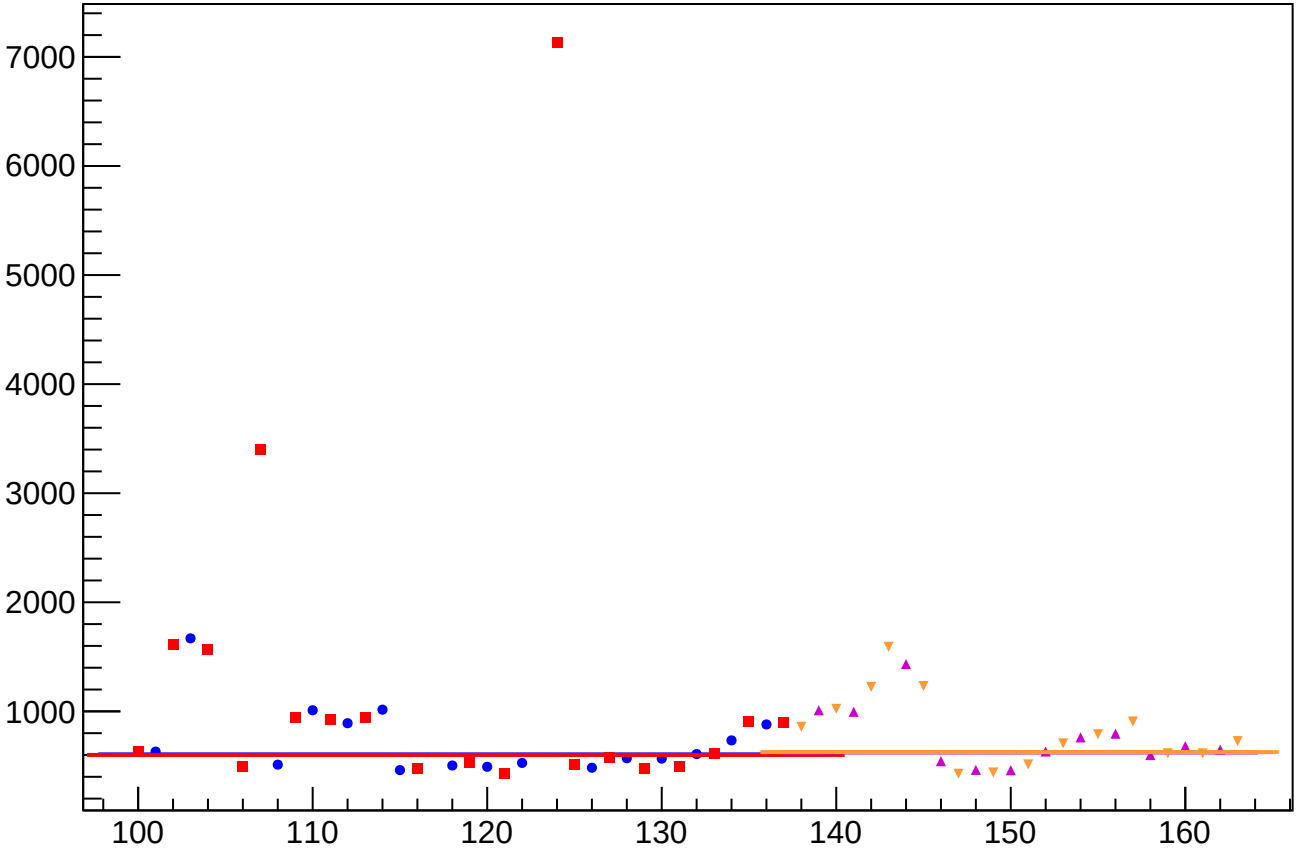
Left In: -116.918+/-203.290 χ^2/NDF:5.6/11

+ sign -306.939+/-153.053 χ^2/NDF: 42.1/29

All: -160.195+/-109.211 χ^2/NDF: 70.4/60

- sign -7.976+/-155.882 χ^2/NDF: 26.4/30

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 626.414+/-0.142 χ^2/NDF:2537606.1/13

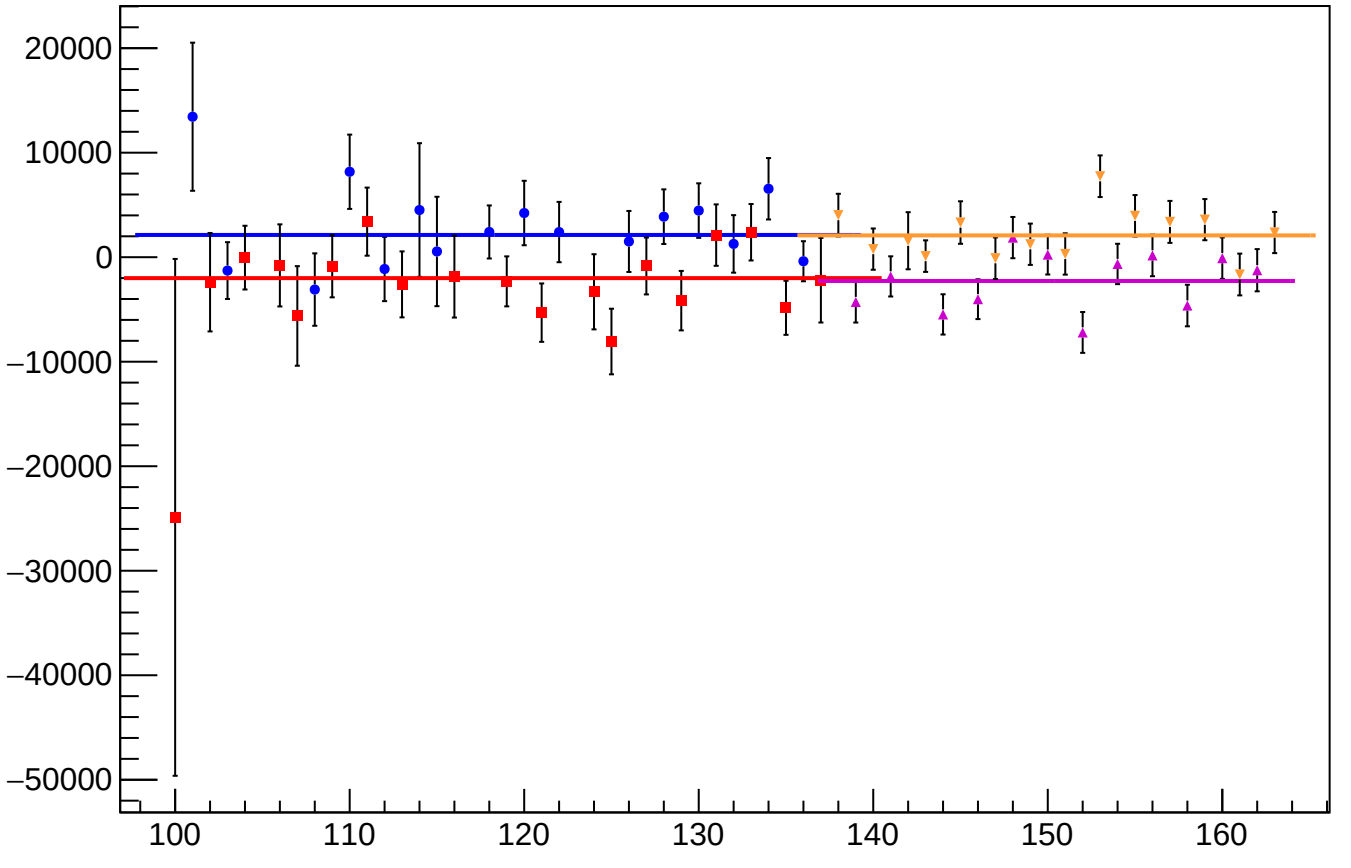
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 623.110+/-0.144 χ^2/NDF:1668630.5/11

+ sign 617.656+/-0.108 χ^2/NDF: 3709203.1/29

All: 615.750+/-0.077 χ^2/NDF: 7717230.9/60

- sign 613.772+/-0.110 χ^2/NDF: 4007395.5/30



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.680+/-527.460 χ^2/NDF:19.2/13

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

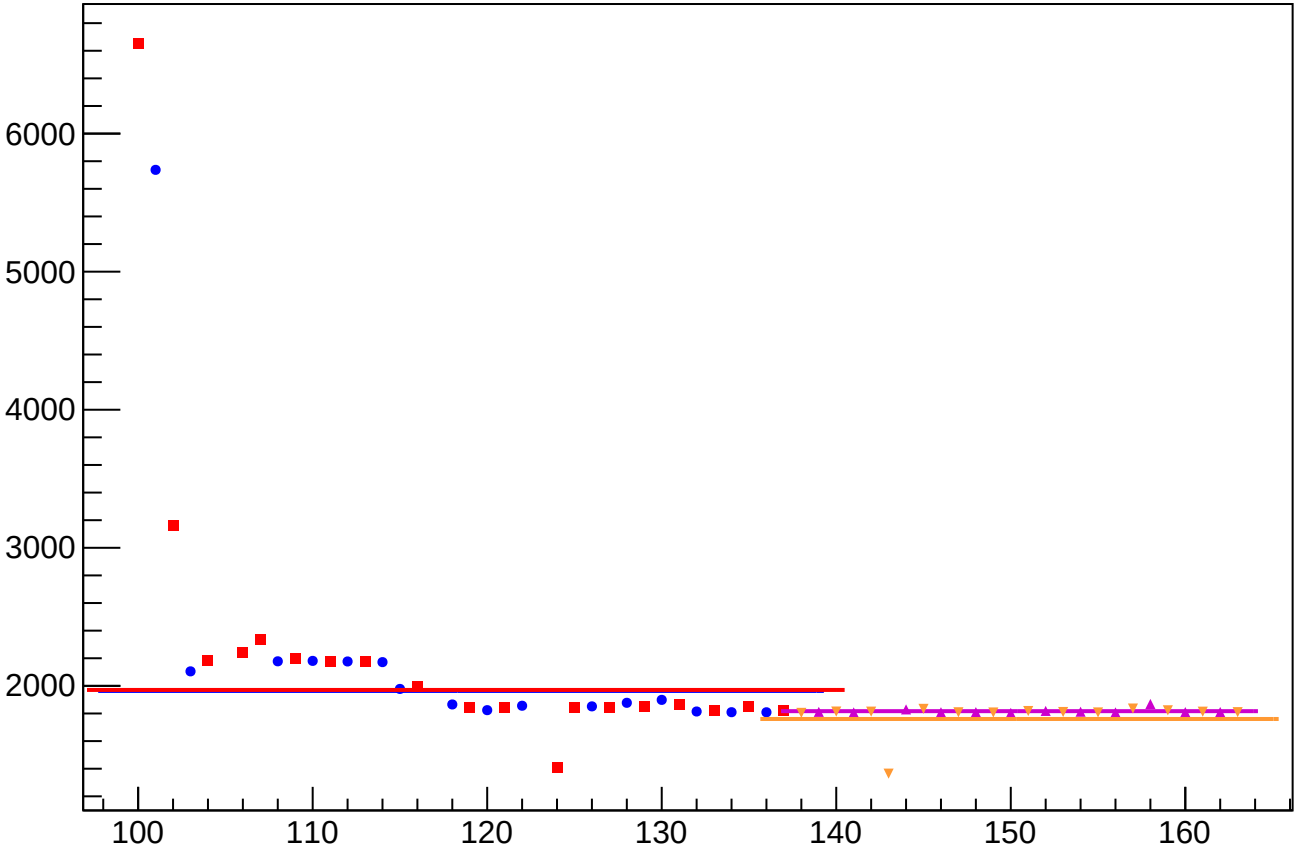
Left In: -2275.518+/-564.384 χ^2/NDF:22.3/11

+ sign 2101.361+/-430.727 χ^2/NDF: 35.7/29

All: 48.070+/-310.541 χ^2/NDF: 122.1/60

- sign -2174.525+/-448.133 χ^2/NDF: 39.1/30

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

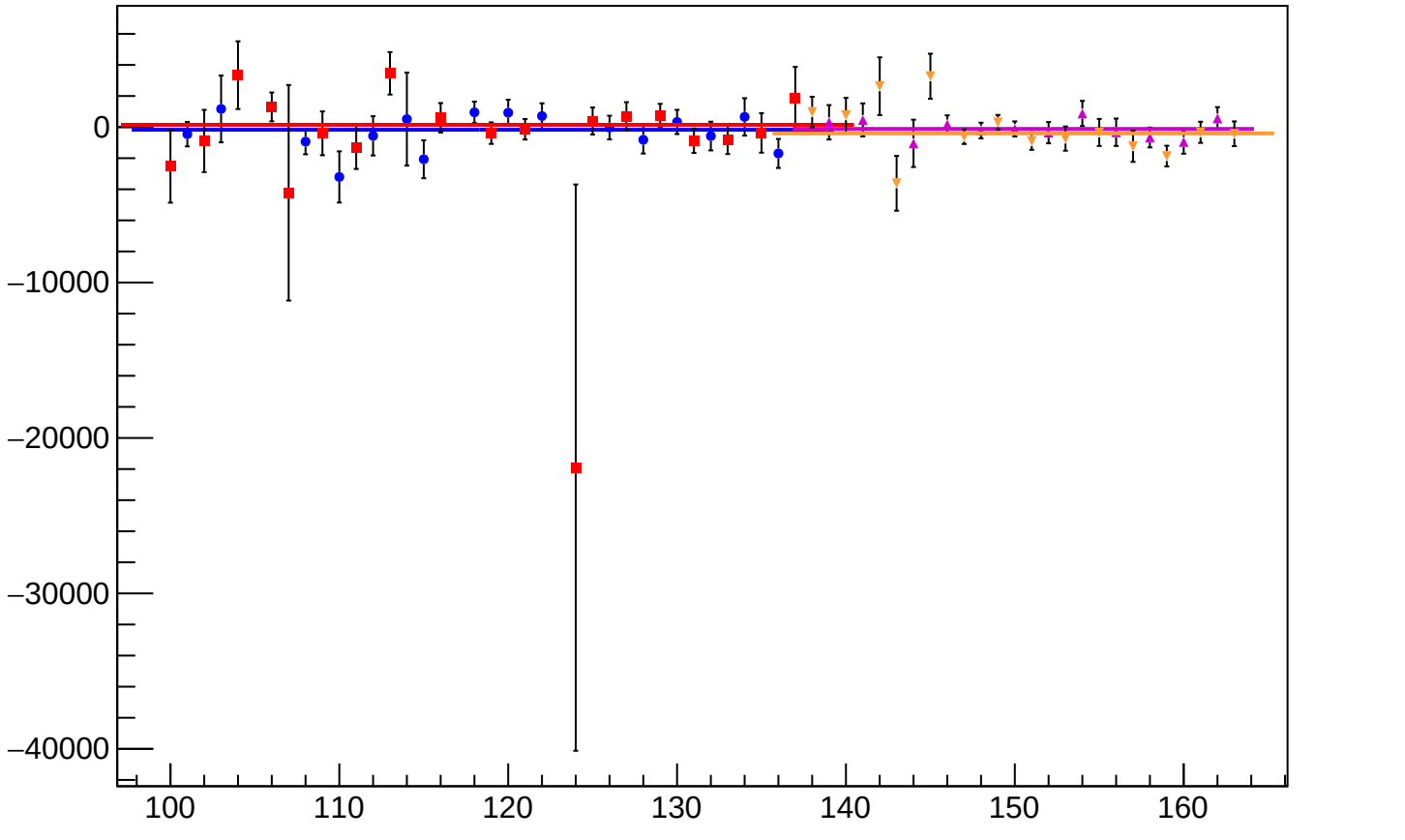
Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.813+/-0.399 χ^2/NDF:1751.9/11

+ sign 1827.911+/-0.305 χ^2/NDF: 896386.8/29

All: 1849.846+/-0.220 χ^2/NDF: 1308845.8/60

- sign 1873.590+/-0.317 χ^2/NDF: 401657.7/30



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.476+/-200.512 χ^2/NDF:24.3/13

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

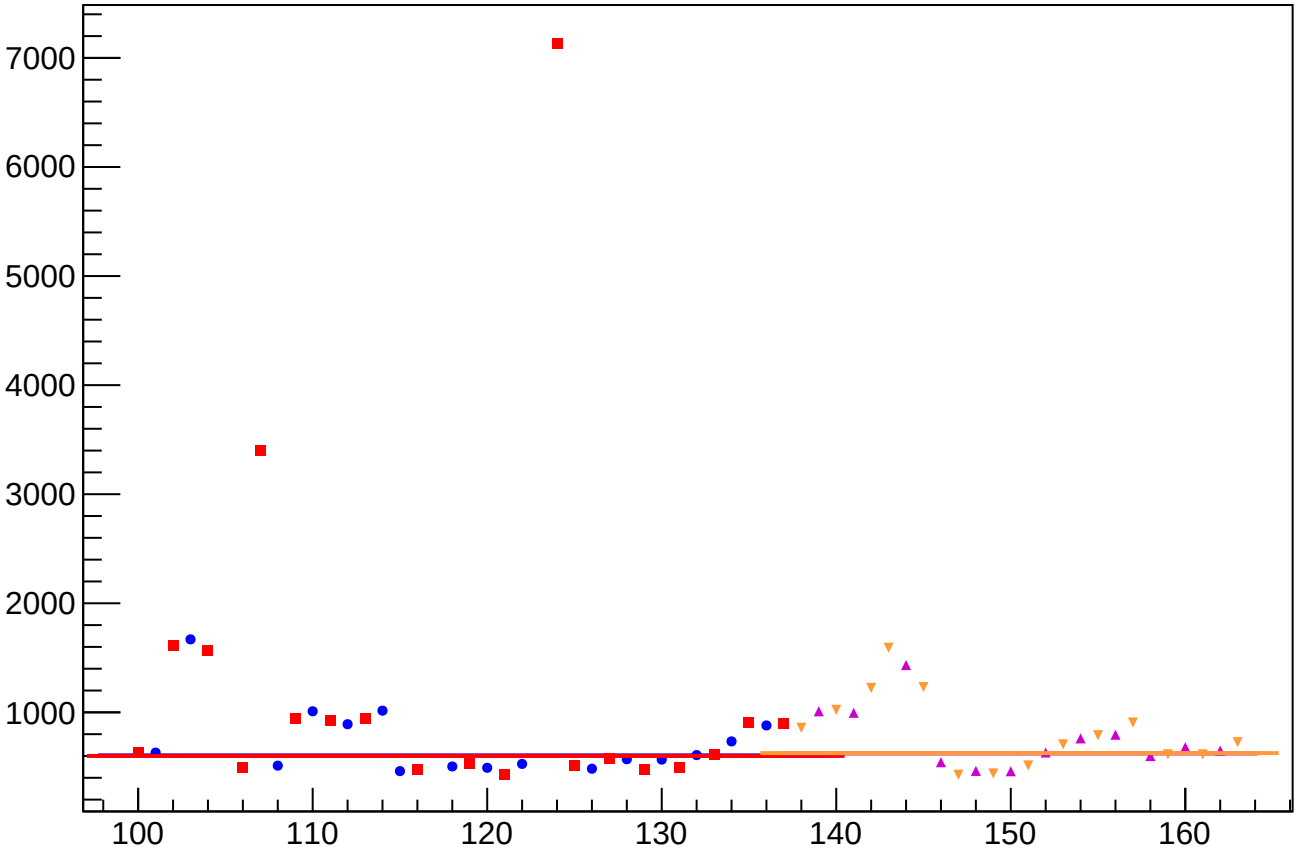
Left In: -116.918+/-203.290 χ^2/NDF:5.6/11

+ sign -306.938+/-153.053 χ^2/NDF: 42.1/29

All: -160.195+/-109.211 χ^2/NDF: 70.4/60

- sign -7.976+/-155.882 χ^2/NDF: 26.4/30

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 626.415+/-0.142 χ^2/NDF:2537597.8/13

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

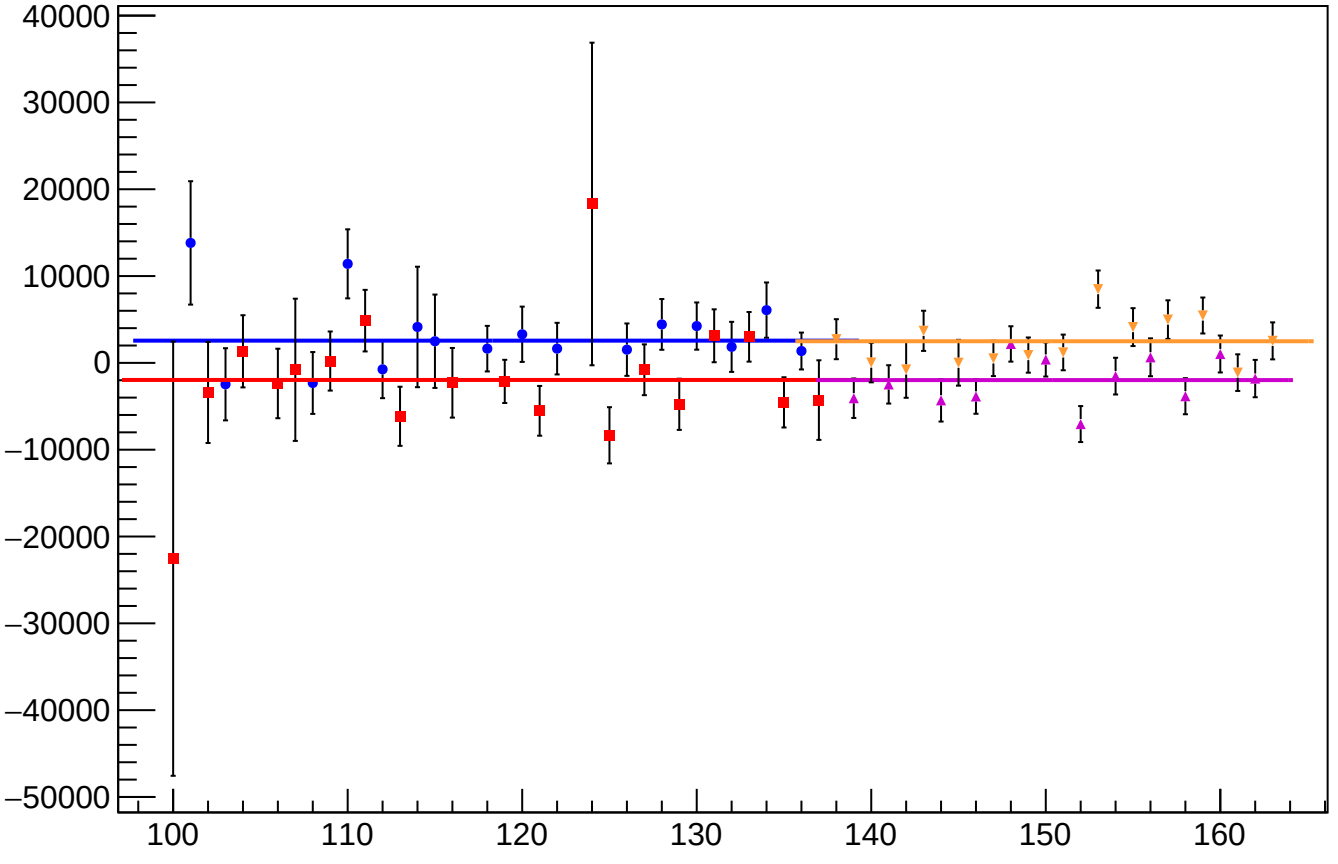
Left In: 623.111+/-0.144 χ^2/NDF:1668625.2/11

+ sign 617.656+/-0.108 χ^2/NDF: 3709204.6/29

All: 615.750+/-0.077 χ^2/NDF: 7717236.7/60

- sign 613.772+/-0.110 χ^2/NDF: 4007399.8/30

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2492.281+/-594.088 χ^2/NDF:19.9/13

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

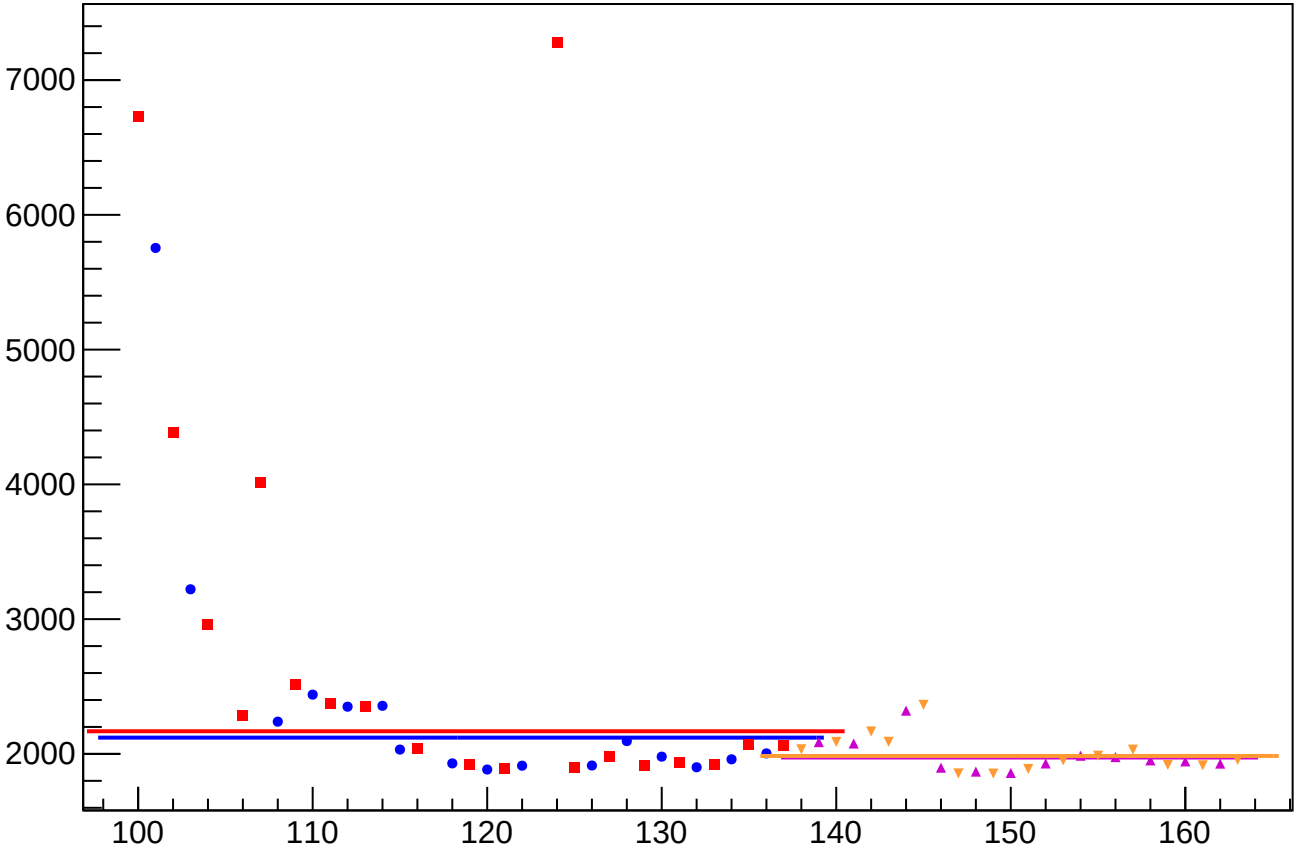
Left In: -1982.254+/-614.191 χ^2/NDF:18.6/11

+ sign 2516.320+/-478.980 χ^2/NDF: 34.5/29

All: 327.026+/-342.975 χ^2/NDF: 117.5/60

- sign -1976.665+/-491.335 χ^2/NDF: 40.2/30

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1984.709+/-0.420 χ^2/NDF:83601.4/13

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

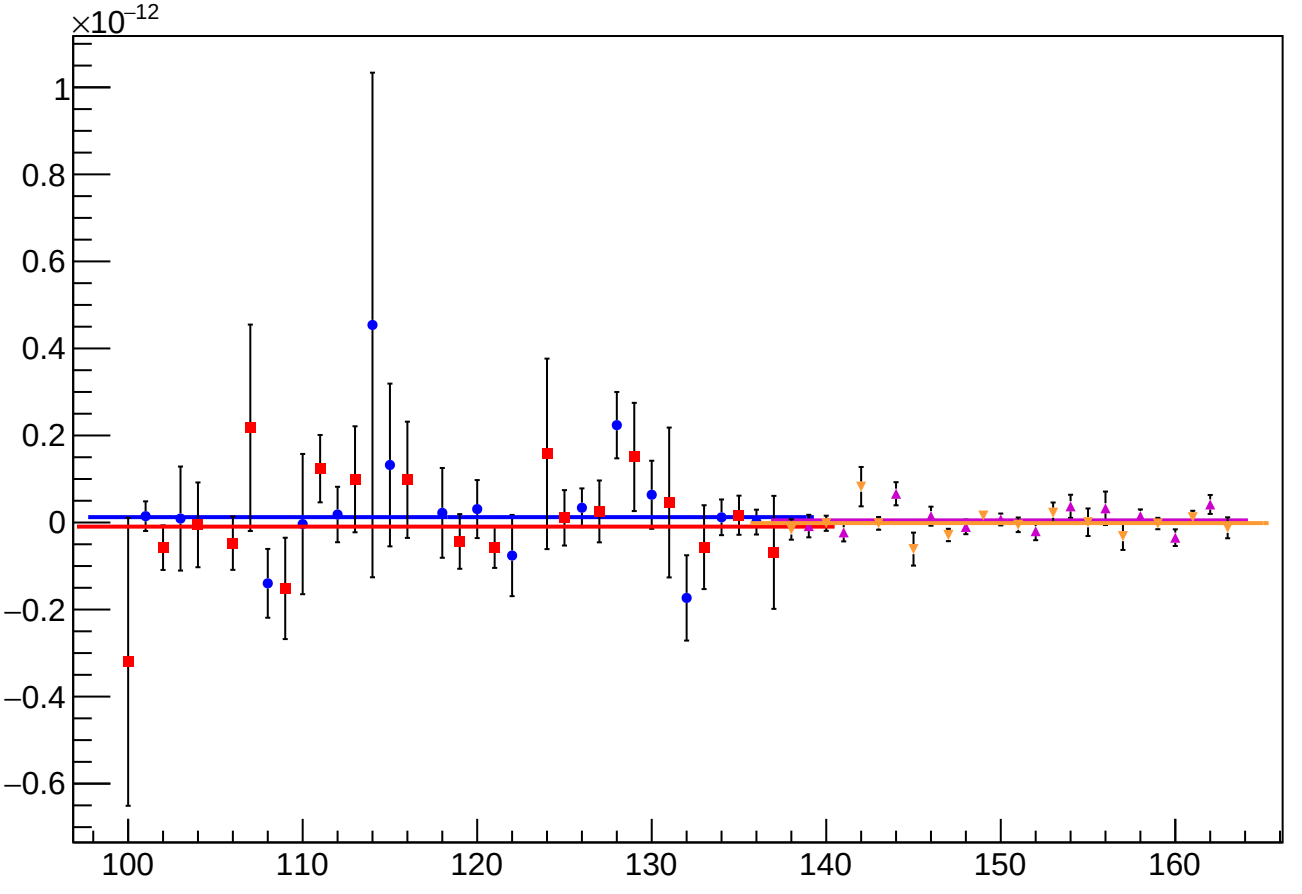
Left In: 1973.254+/-0.434 χ^2/NDF:67108.3/11

+ sign 2032.329+/-0.339 χ^2/NDF: 880288.2/29

All: 2037.682+/-0.243 χ^2/NDF: 1844112.6/60

- sign 2043.314+/-0.347 χ^2/NDF: 963311.8/30

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:15.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

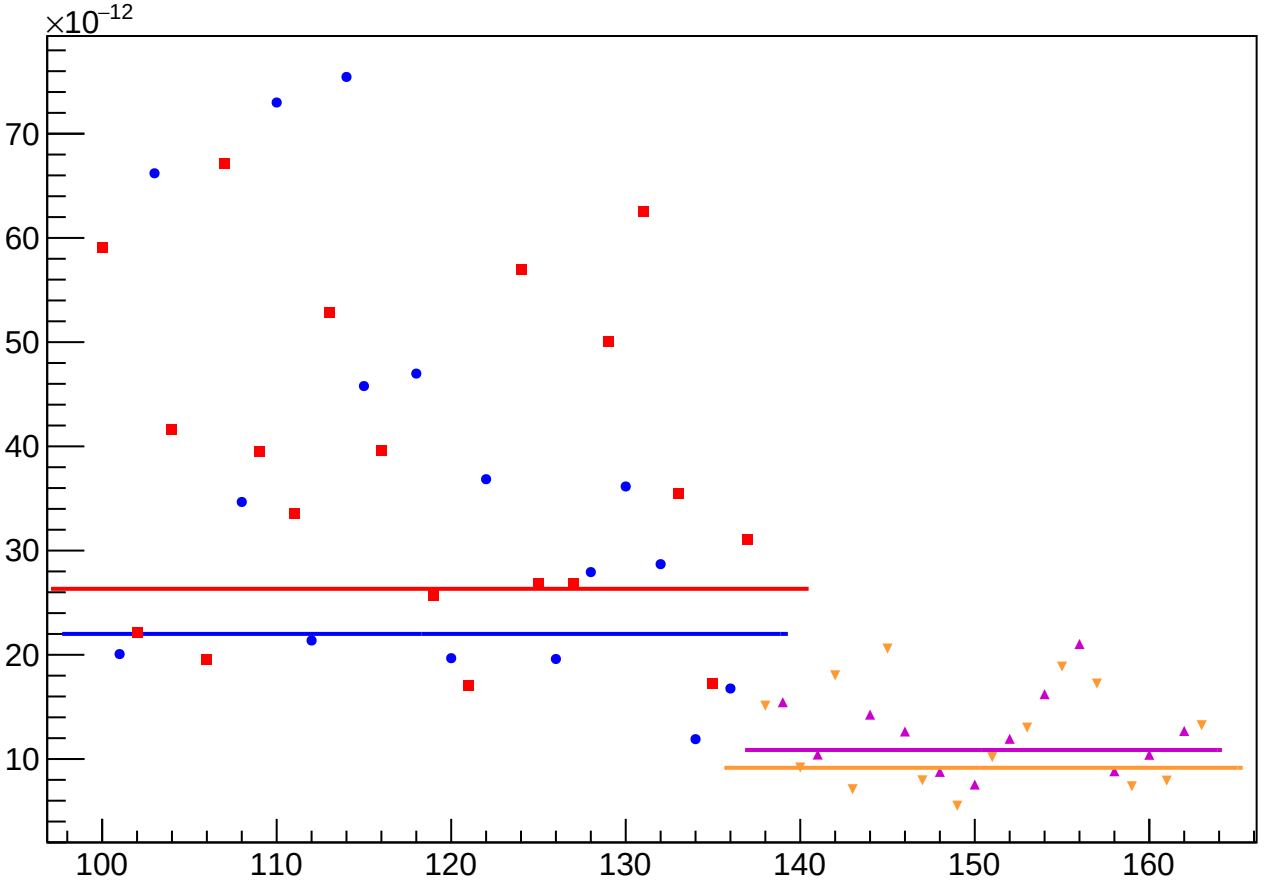
Left In: 0.000+/-0.000 χ^2/NDF:19.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/29

All: 0.000+/-0.000 χ^2/NDF: 67.6/60

- sign 0.000+/-0.000 χ^2/NDF: 33.6/30

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124599.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

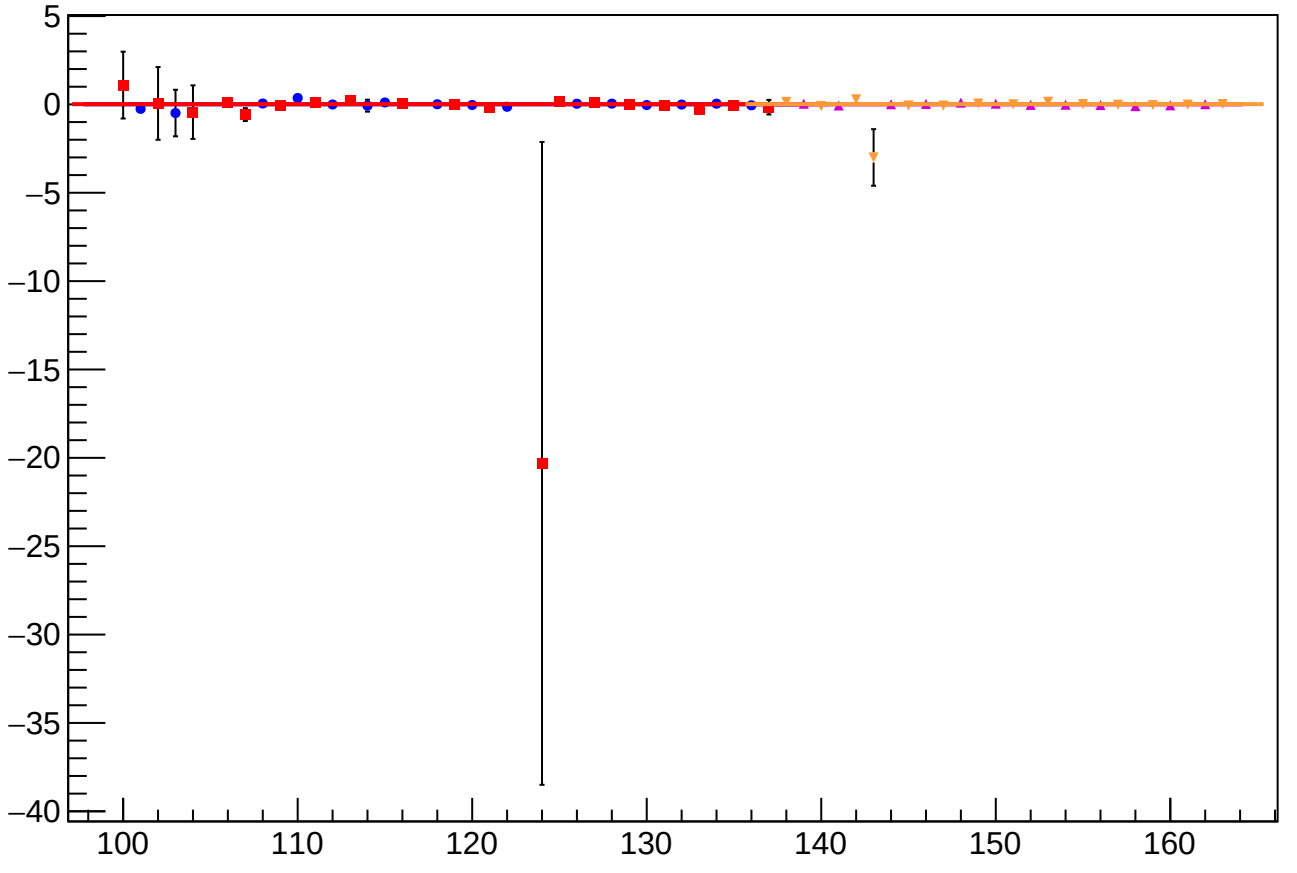
Left In: 0.000+/-0.000 χ^2/NDF:535902.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 3530006.9/29

All: 0.000+/-0.000 χ^2/NDF: 6244855.9/60

- sign 0.000+/-0.000 χ^2/NDF: 2574127.6/30

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

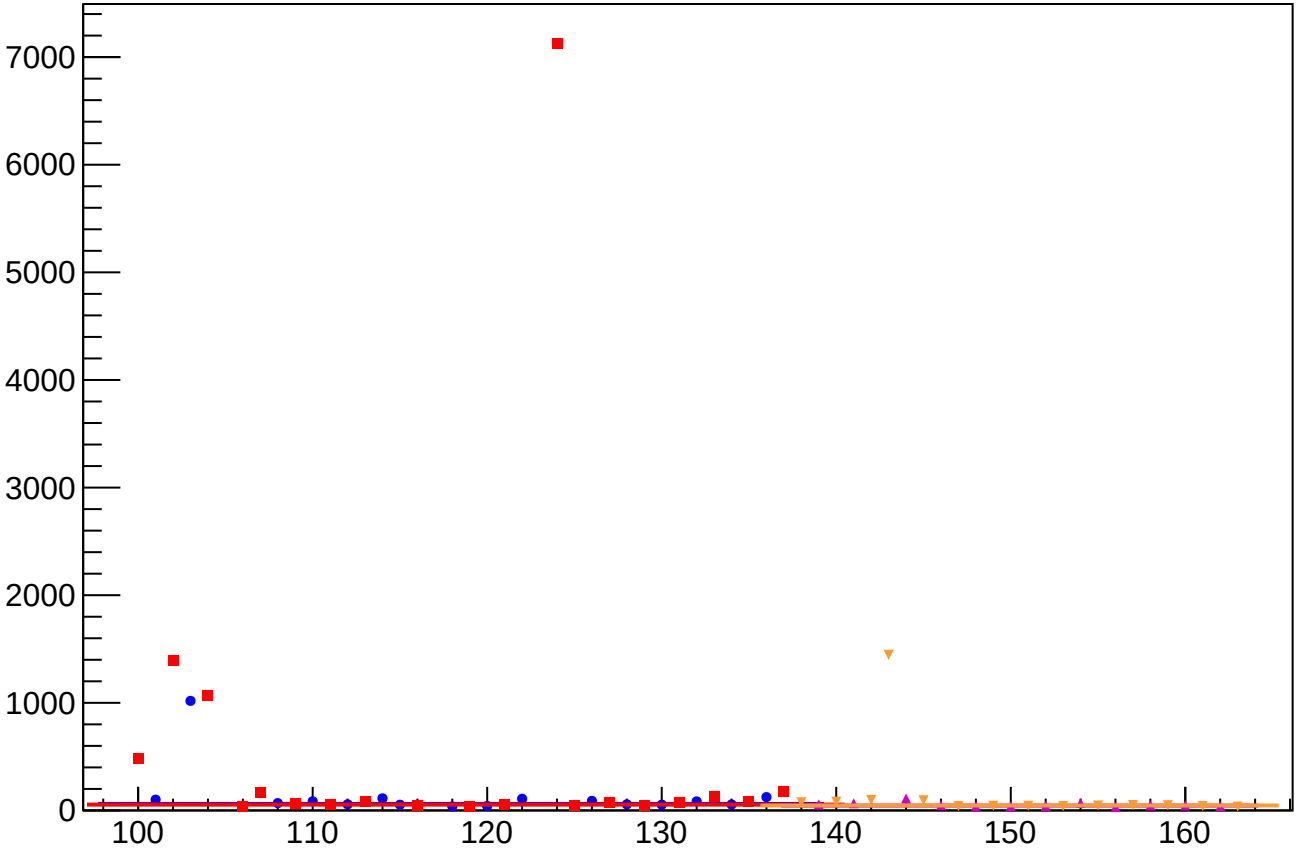
Left In: 0.000+/-0.016 χ^2/NDF:12.2/11

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.008+/-0.010 χ^2/NDF: 64.3/60

- sign 0.004+/-0.013 χ^2/NDF: 30.0/30

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815021.8/13

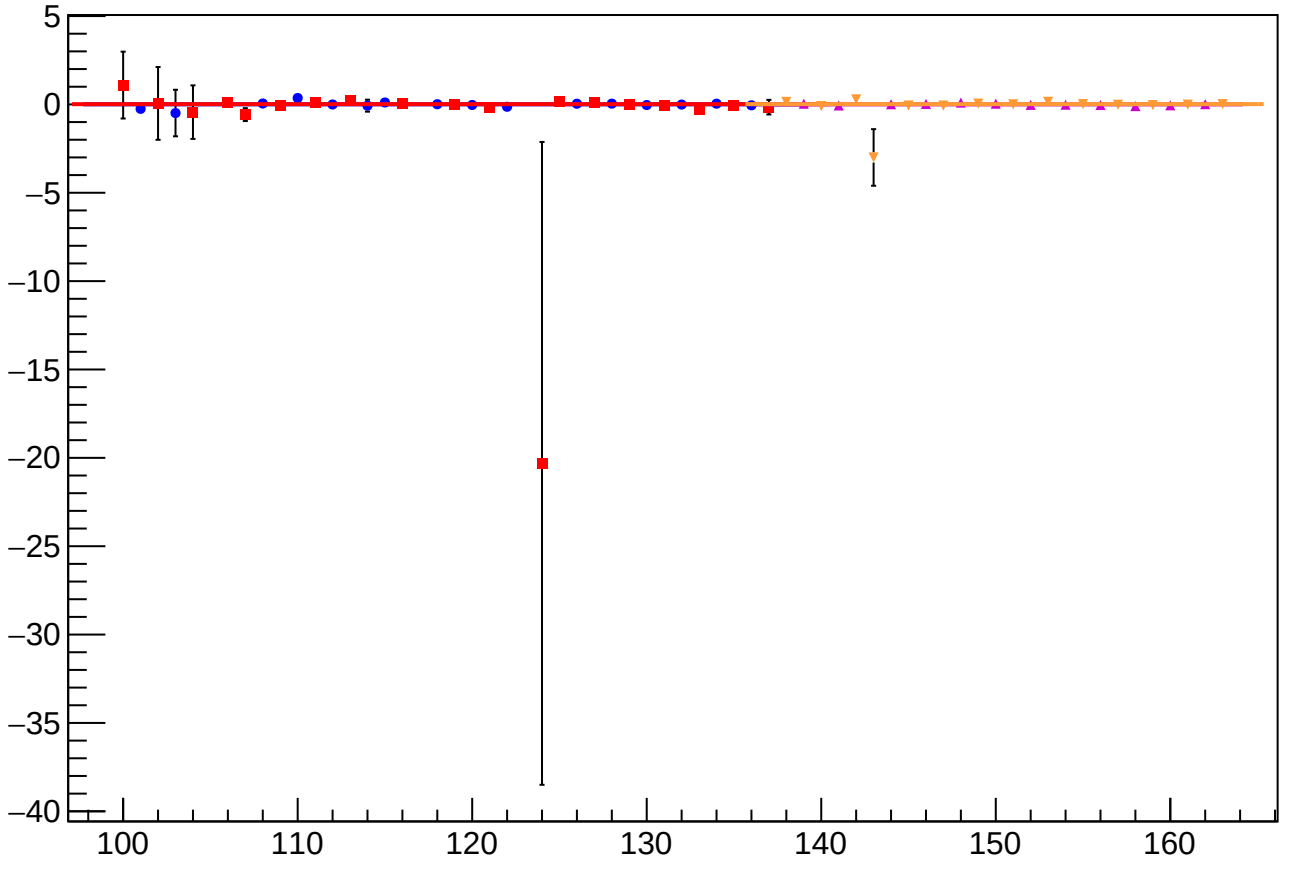
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.045+/-0.011 χ^2/NDF:1362574.6/11

+ sign 49.806+/-0.010 χ^2/NDF: 5738477.8/29

All: 48.658+/-0.007 χ^2/NDF: 10834521.9/60

- sign 47.560+/-0.010 χ^2/NDF: 5068961.4/30



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

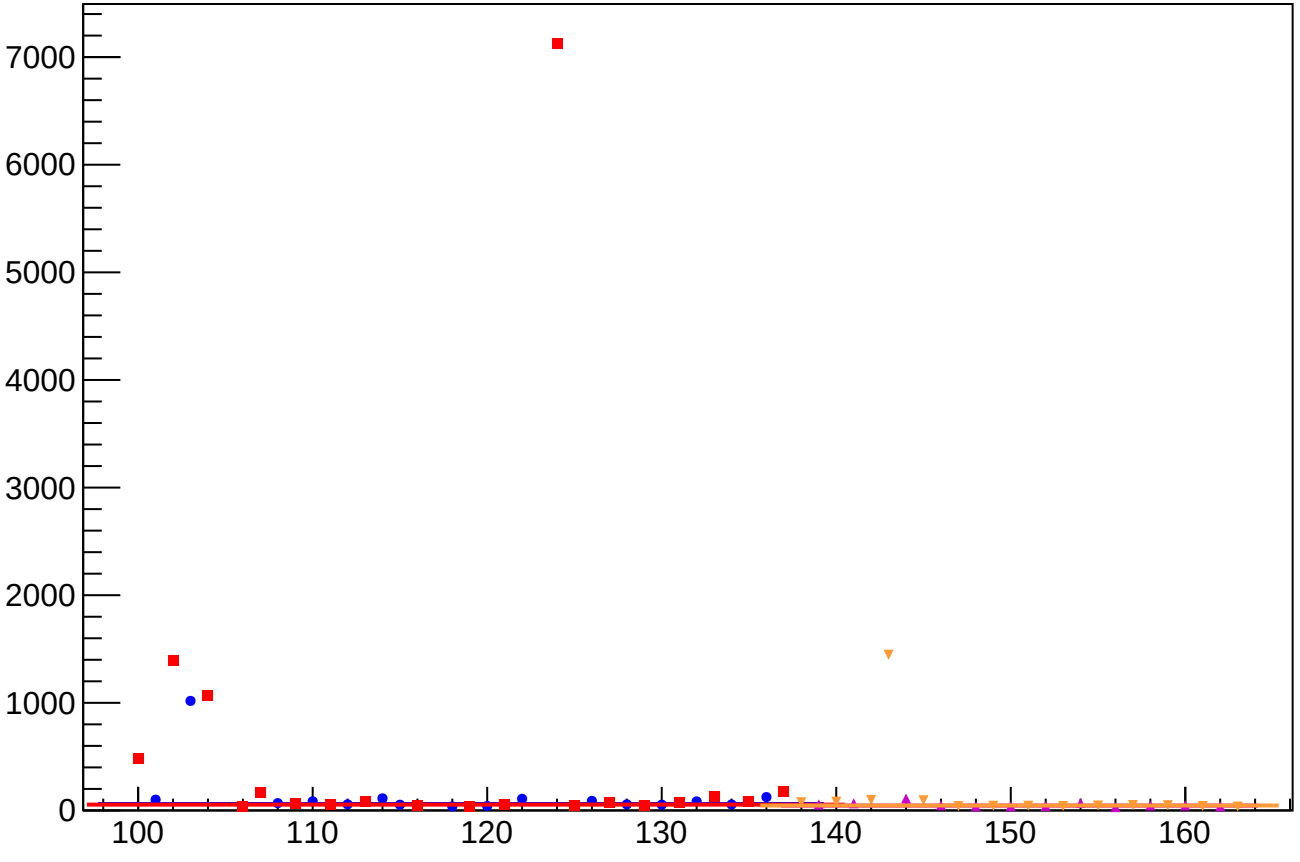
Left In: 0.000+/-0.016 χ^2/NDF:12.2/11

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.008+/-0.010 χ^2/NDF: 64.3/60

- sign 0.004+/-0.013 χ^2/NDF: 30.0/30

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: 46.159+/-0.011 χ^2/NDF:2815021.8/13

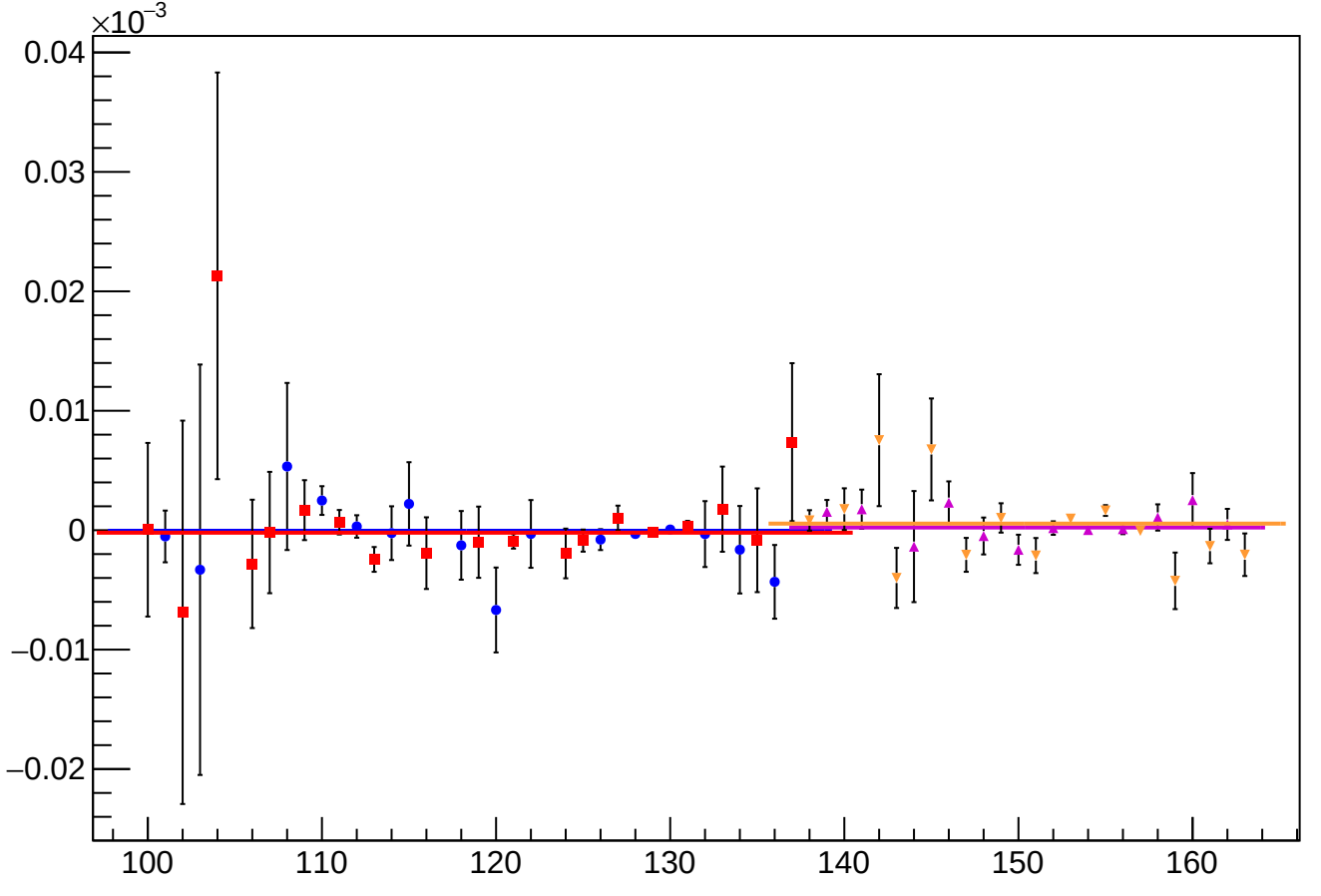
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.045+/-0.011 χ^2/NDF:1362574.6/11

+ sign 49.806+/-0.010 χ^2/NDF: 5738477.8/29

All: 48.658+/-0.007 χ^2/NDF: 10834521.9/60

- sign 47.560+/-0.010 χ^2/NDF: 5068961.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

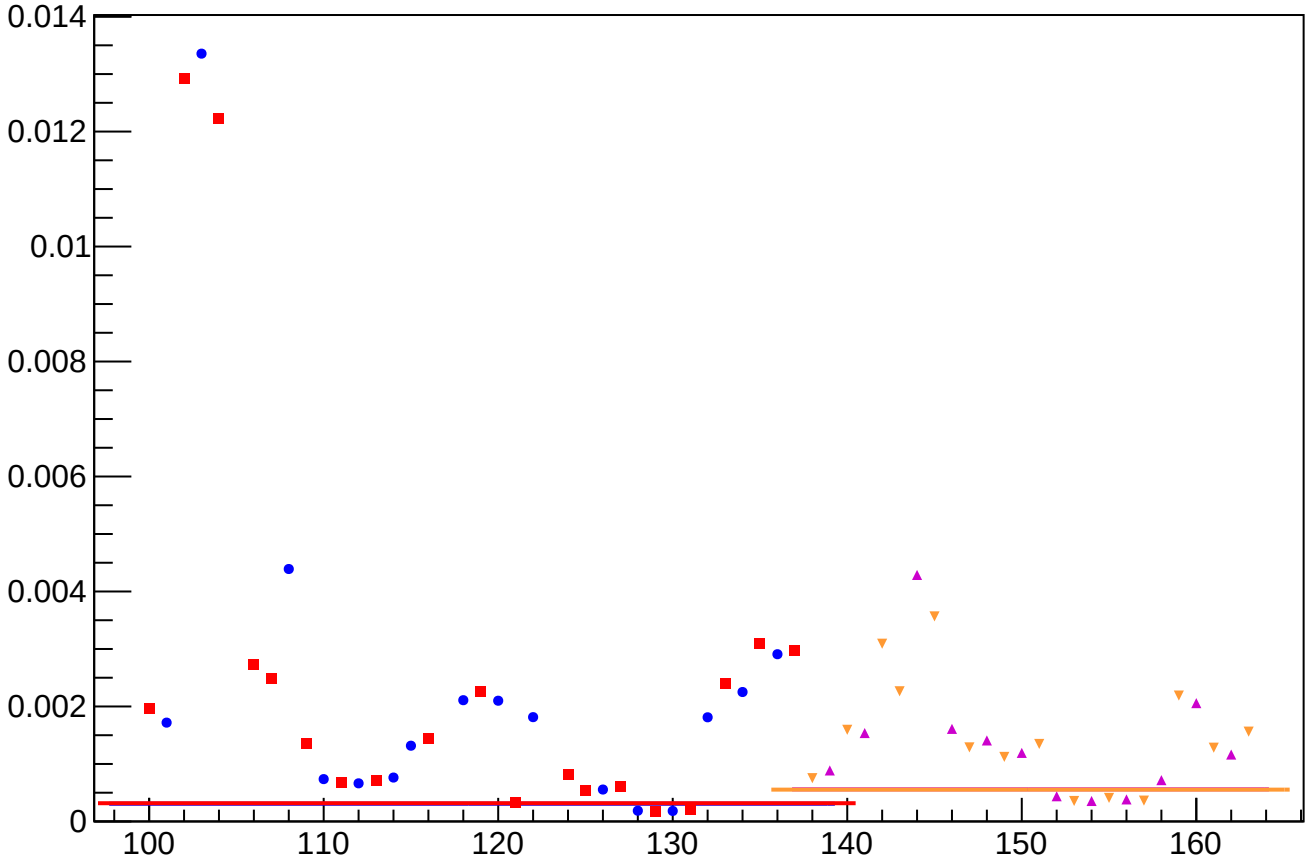
Left In: 0.000+/-0.000 χ^2/NDF:8.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/29

All: 0.000+/-0.000 χ^2/NDF: 76.8/60

- sign -0.000+/-0.000 χ^2/NDF: 26.4/30

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:7997067.4/13

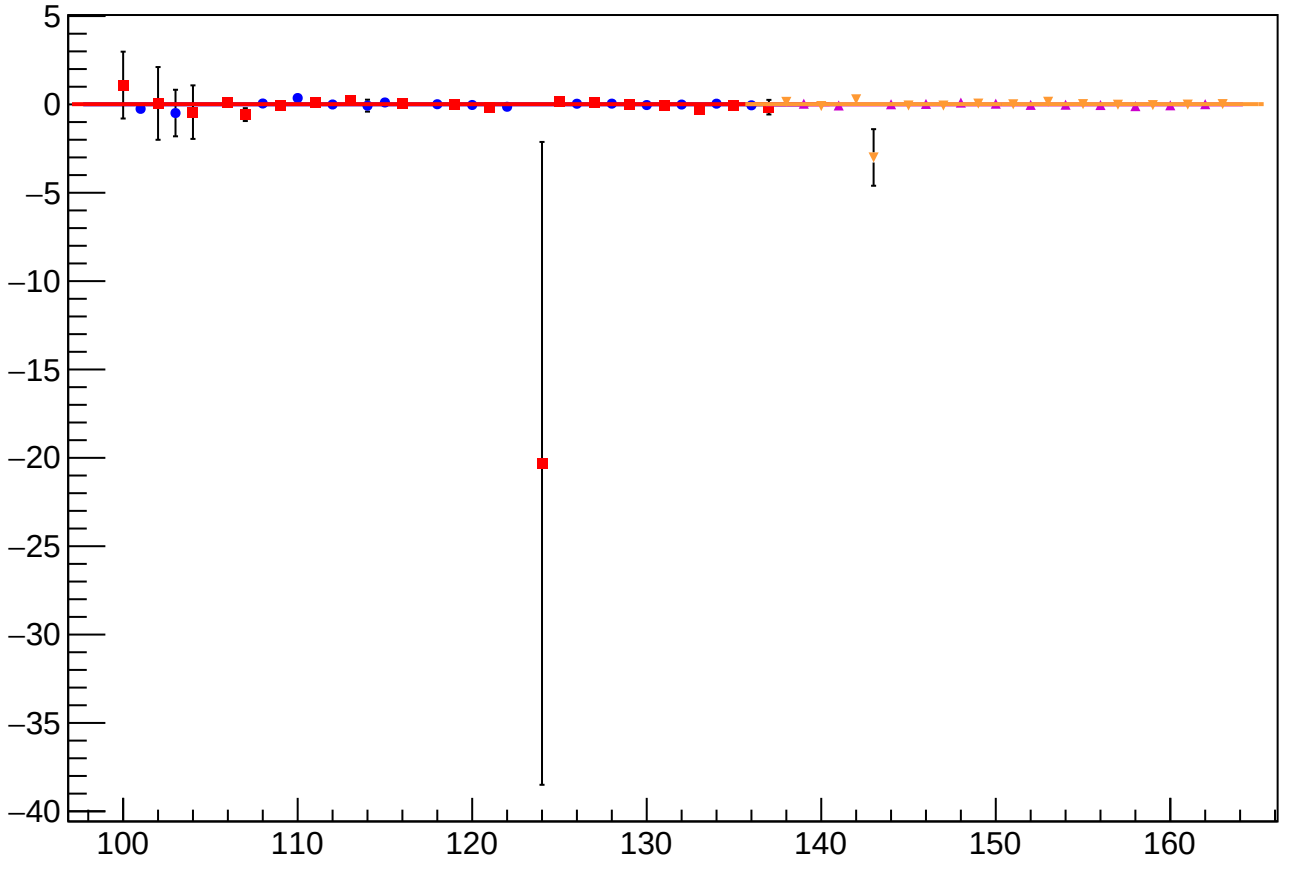
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6381807.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 18213704.9/29

All: 0.000+/-0.000 χ^2/NDF: 33946801.7/60

- sign 0.000+/-0.000 χ^2/NDF: 15733094.7/30



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

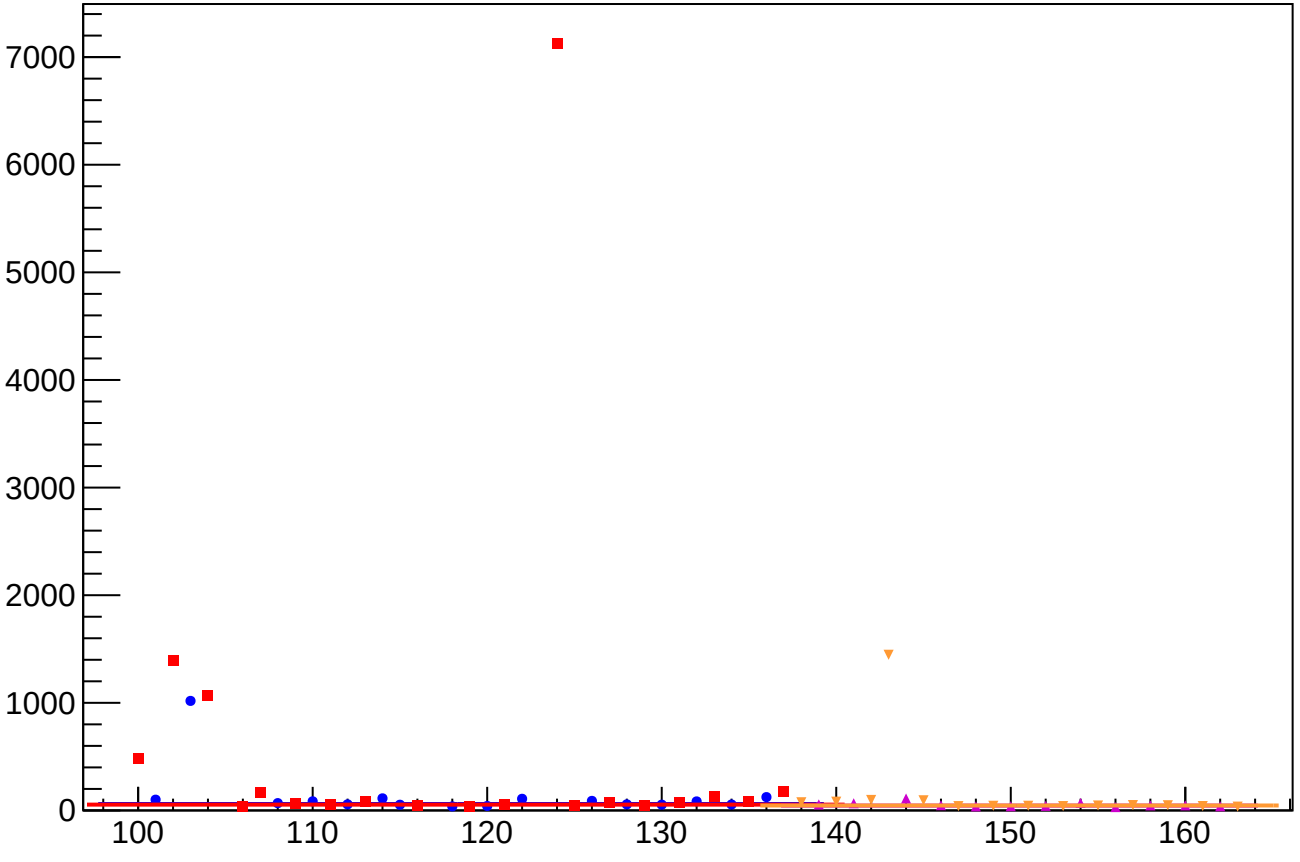
Left In: 0.000+/-0.016 χ^2/NDF:12.2/11

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.008+/-0.010 χ^2/NDF: 64.3/60

- sign 0.004+/-0.013 χ^2/NDF: 30.0/30

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: 46.159+/-0.011 χ^2/NDF:2815006.0/13

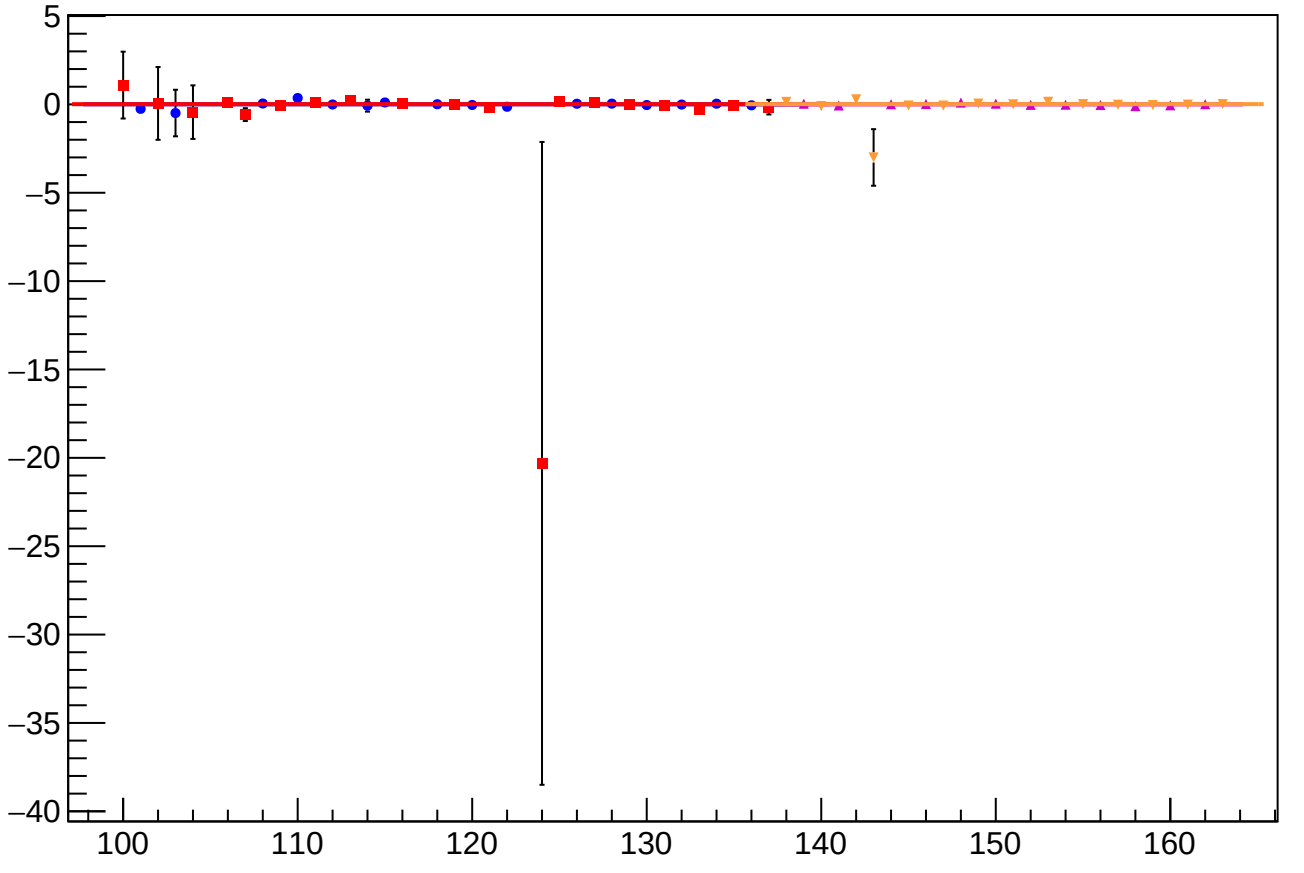
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.045+/-0.011 χ^2/NDF:1362582.7/11

+ sign 49.806+/-0.010 χ^2/NDF: 5738454.8/29

All: 48.658+/-0.007 χ^2/NDF: 10834538.1/60

- sign 47.560+/-0.010 χ^2/NDF: 5068991.8/30



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

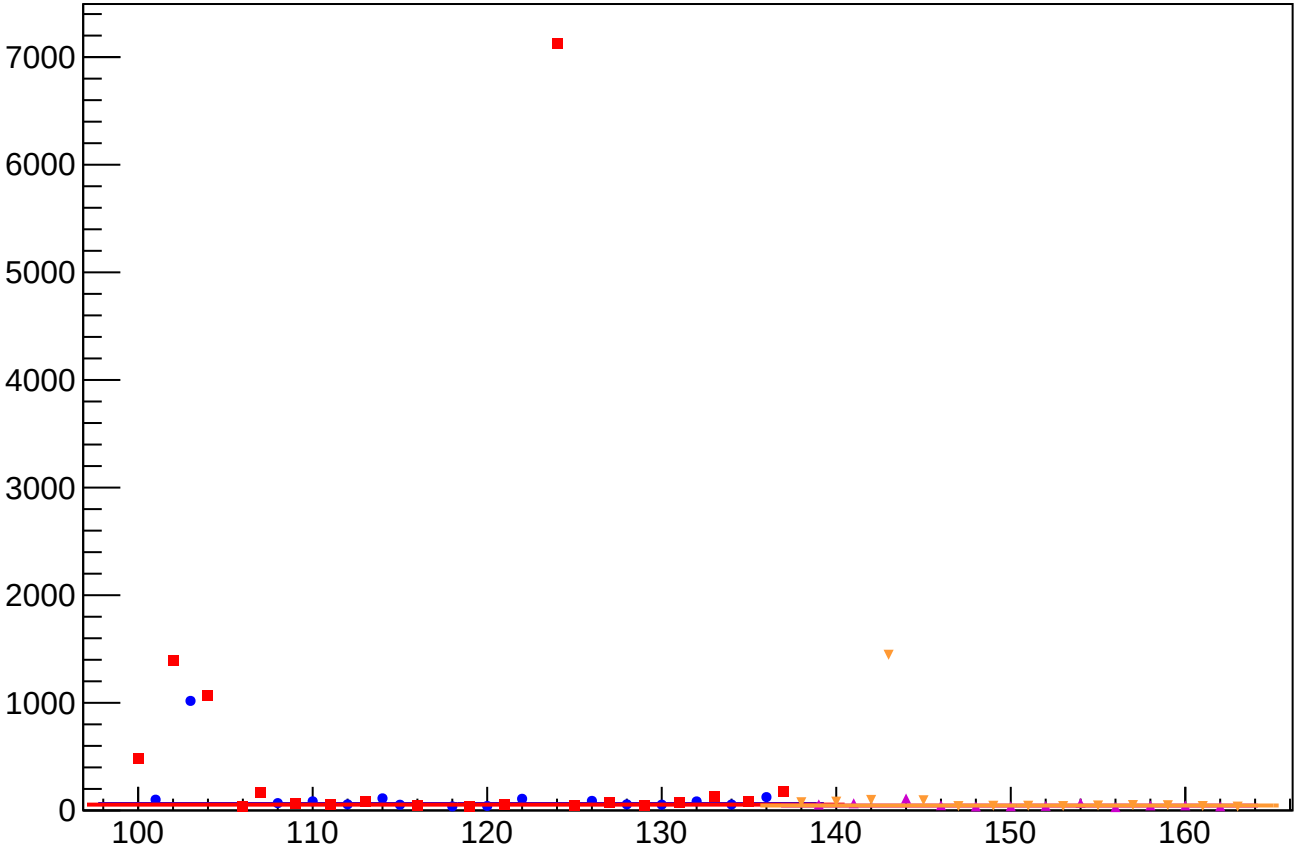
Left In: 0.000+/-0.016 χ^2/NDF:12.2/11

+ sign 0.012+/-0.014 χ^2/NDF: 34.2/29

All: 0.008+/-0.010 χ^2/NDF: 64.3/60

- sign 0.004+/-0.013 χ^2/NDF: 30.0/30

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: 46.159+/-0.011 χ^2/NDF:2815006.0/13

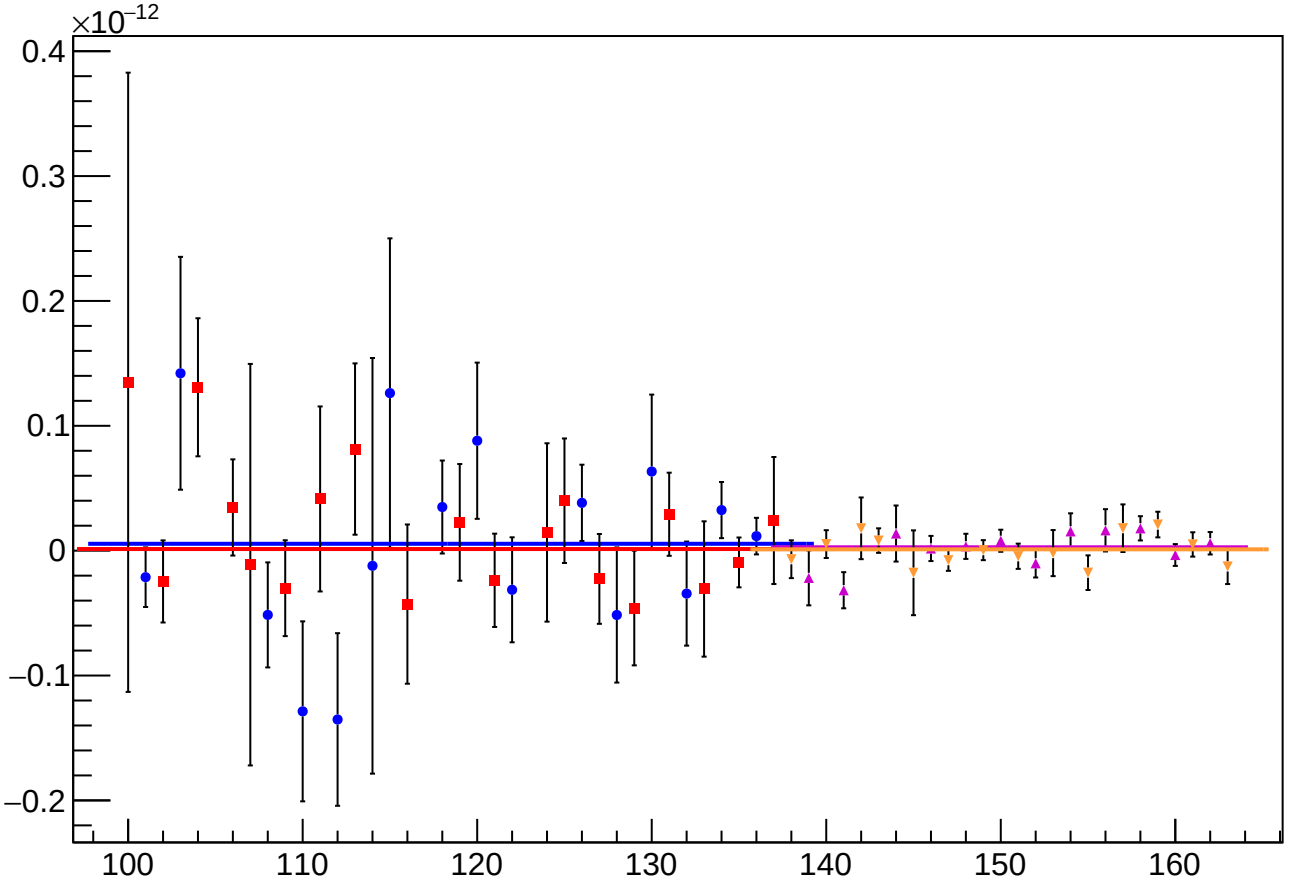
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.045+/-0.011 χ^2/NDF:1362582.7/11

+ sign 49.806+/-0.010 χ^2/NDF: 5738454.8/29

All: 48.658+/-0.007 χ^2/NDF: 10834538.1/60

- sign 47.560+/-0.010 χ^2/NDF: 5068991.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/13

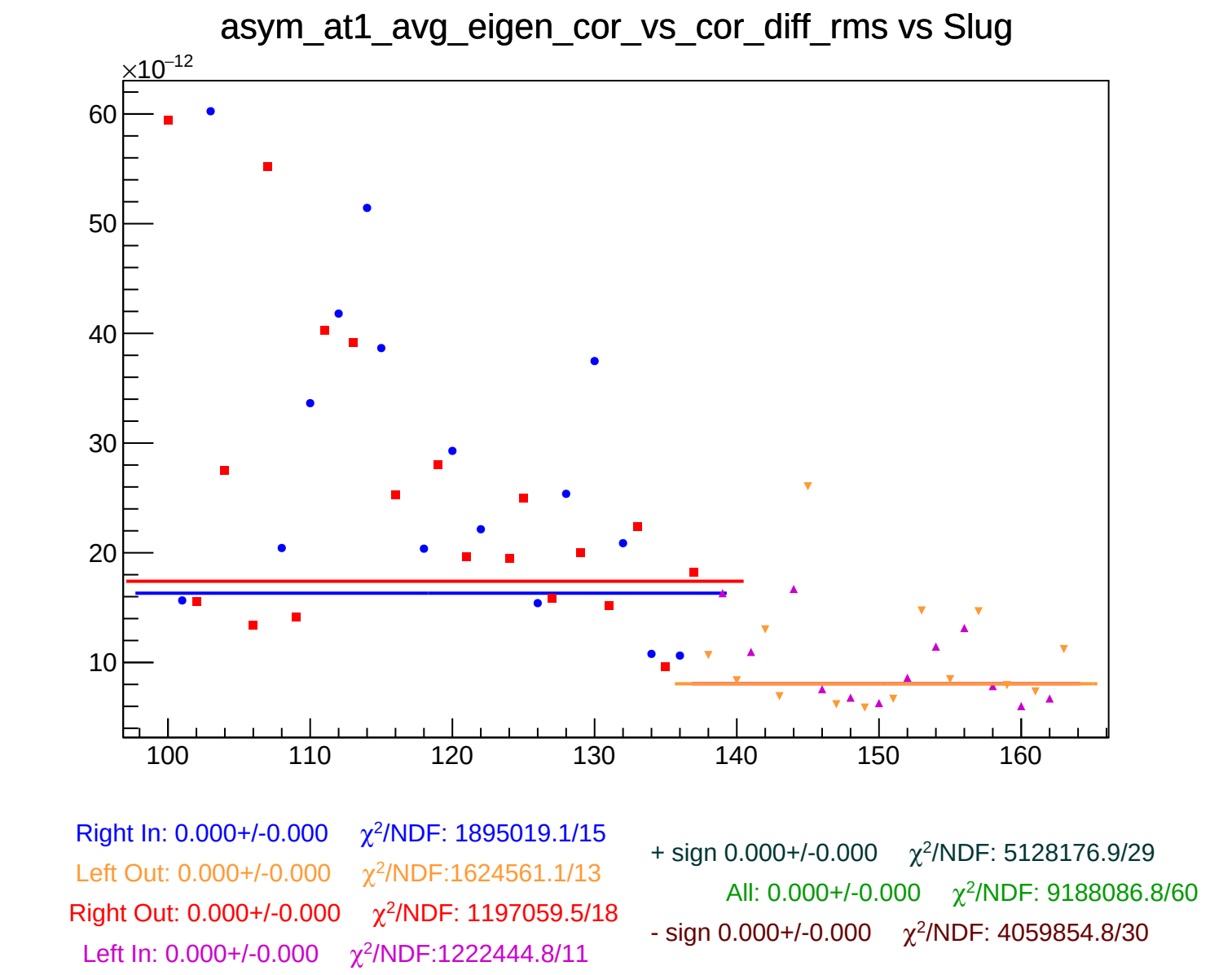
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/11

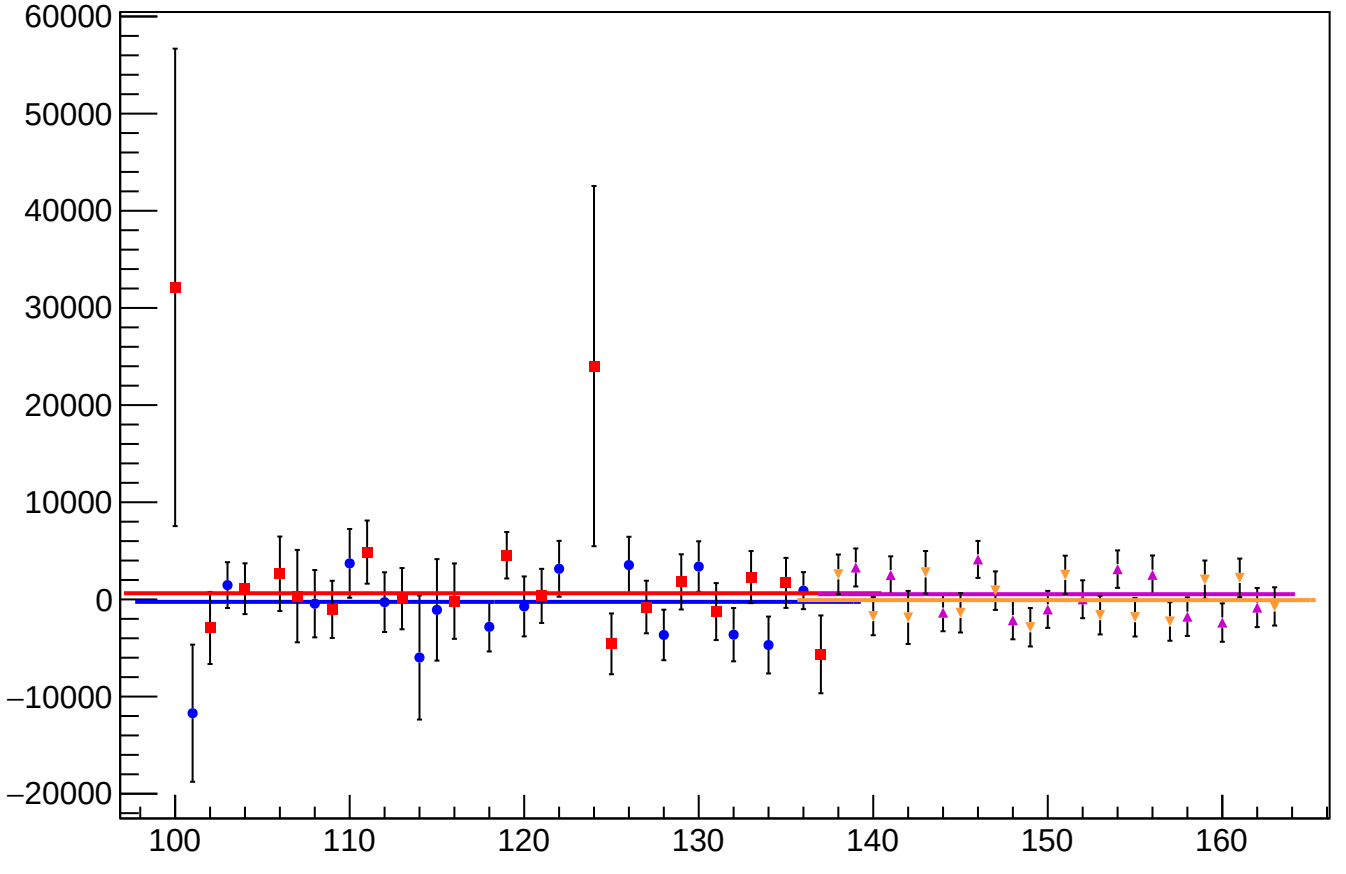
+ sign 0.000+/-0.000 χ^2/NDF: 33.4/29

All: 0.000+/-0.000 χ^2/NDF: 61.0/60

- sign 0.000+/-0.000 χ^2/NDF: 27.6/30


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1624561.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1222444.8/11
+ sign 0.000+/-0.000 χ²/NDF: 5128176.9/29
All: 0.000+/-0.000 χ²/NDF: 9188086.8/60
- sign 0.000+/-0.000 χ²/NDF: 4059854.8/30

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -72.265+/-543.586 χ^2/NDF:14.1/13

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

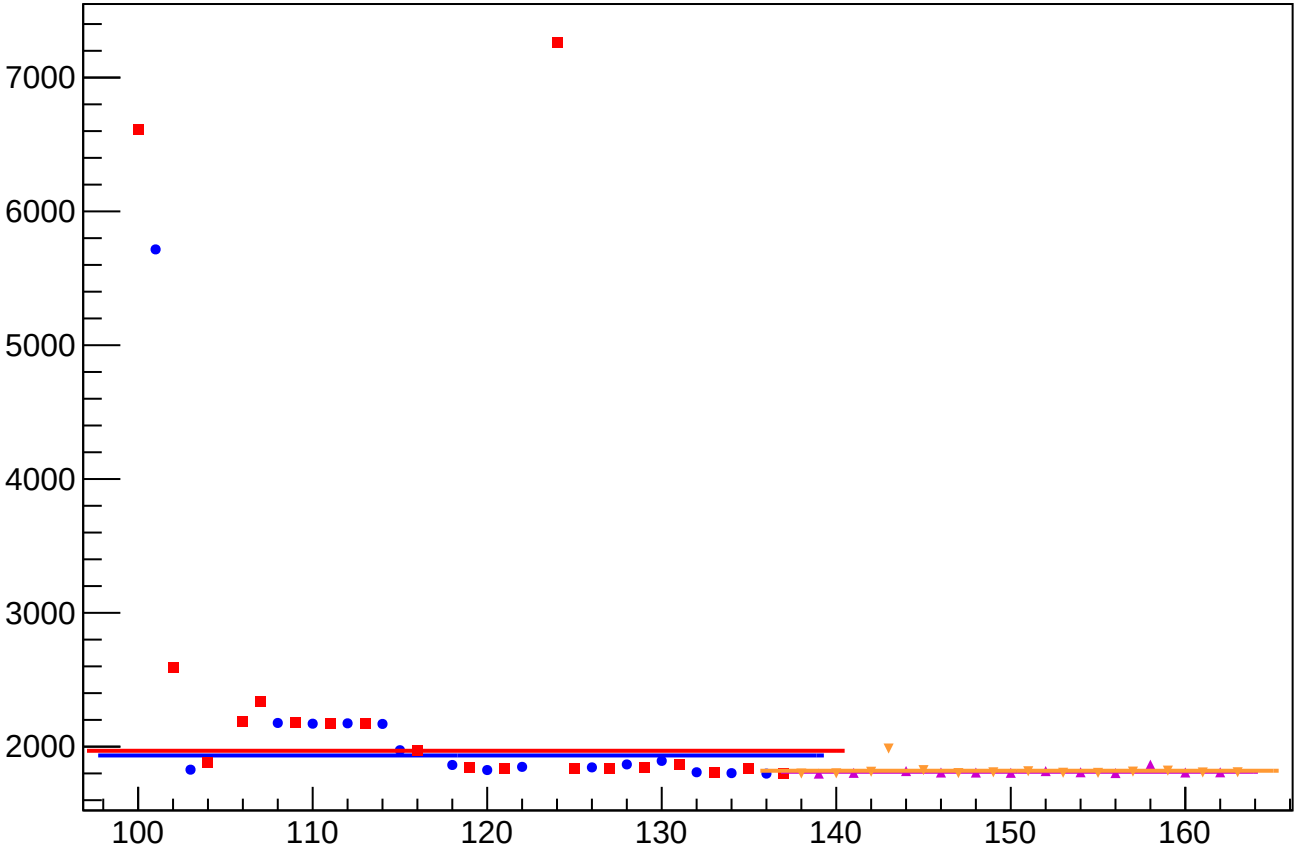
Left In: 538.510+/-562.969 χ^2/NDF:17.0/11

+ sign -135.554+/-437.070 χ^2/NDF: 31.4/29

All: 211.496+/-312.520 χ^2/NDF: 65.6/60

- sign 574.558+/-447.039 χ^2/NDF: 32.9/30

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

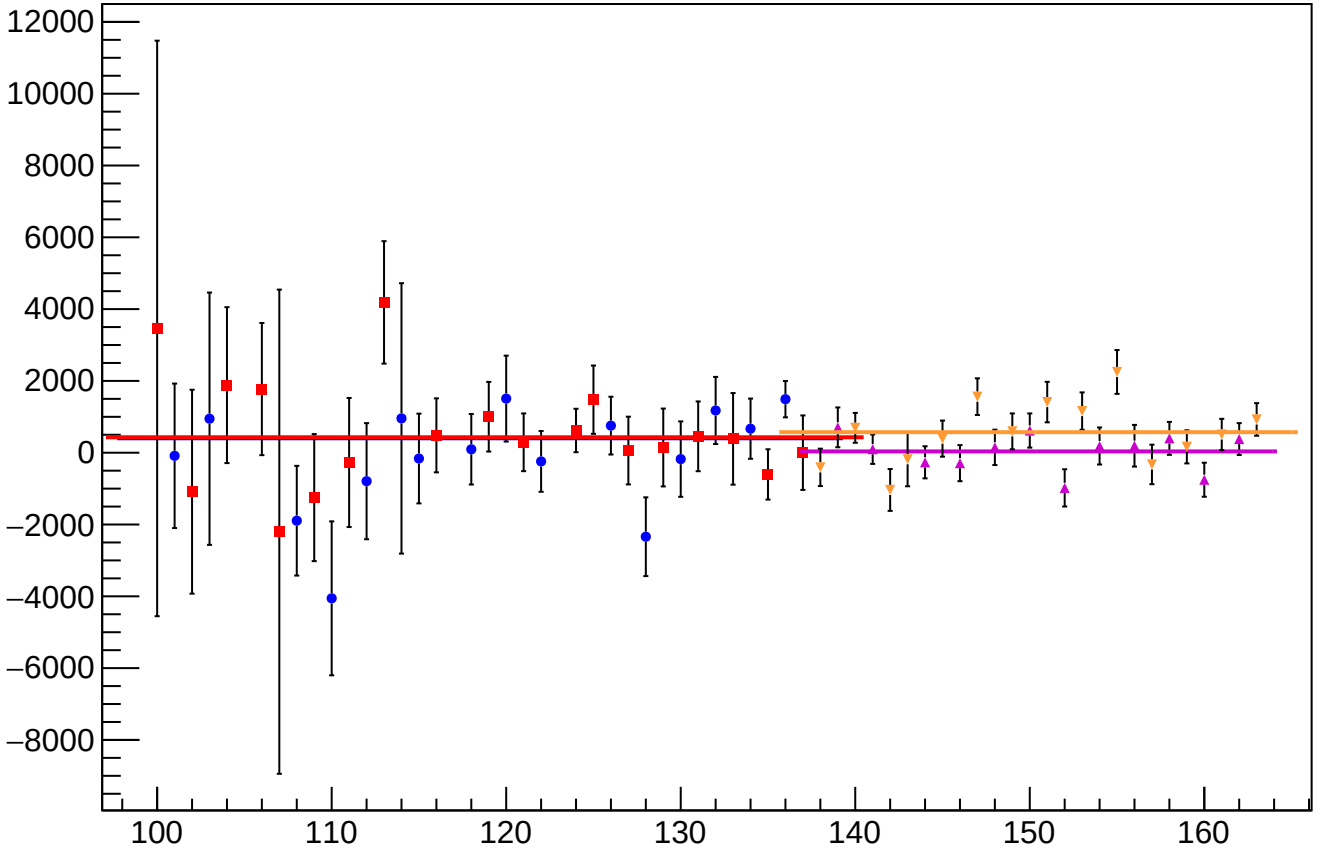
Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.2/29

All: 1865.221+/-0.221 χ^2/NDF: 1121595.4/60

- sign 1870.273+/-0.316 χ^2/NDF: 437495.6/30

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 571.994+/-136.549 χ^2/NDF:31.3/13

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

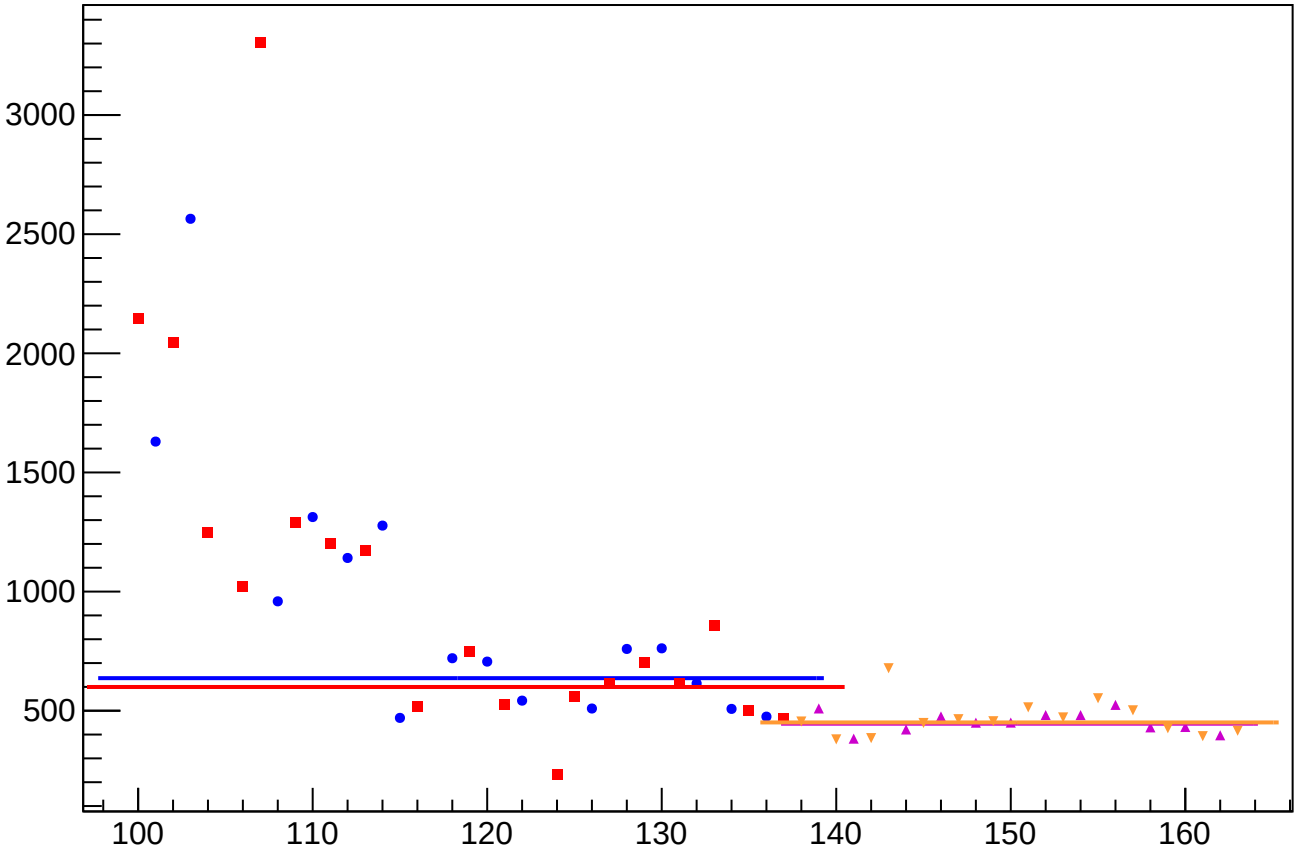
Left In: 36.278+/-139.429 χ^2/NDF:11.9/11

+ sign 535.061+/-120.746 χ^2/NDF: 52.7/29

All: 333.845+/-85.853 χ^2/NDF: 83.8/60

- sign 128.114+/-122.093 χ^2/NDF: 25.5/30

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 450.860+/-0.097 χ^2/NDF:421101.1/13

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

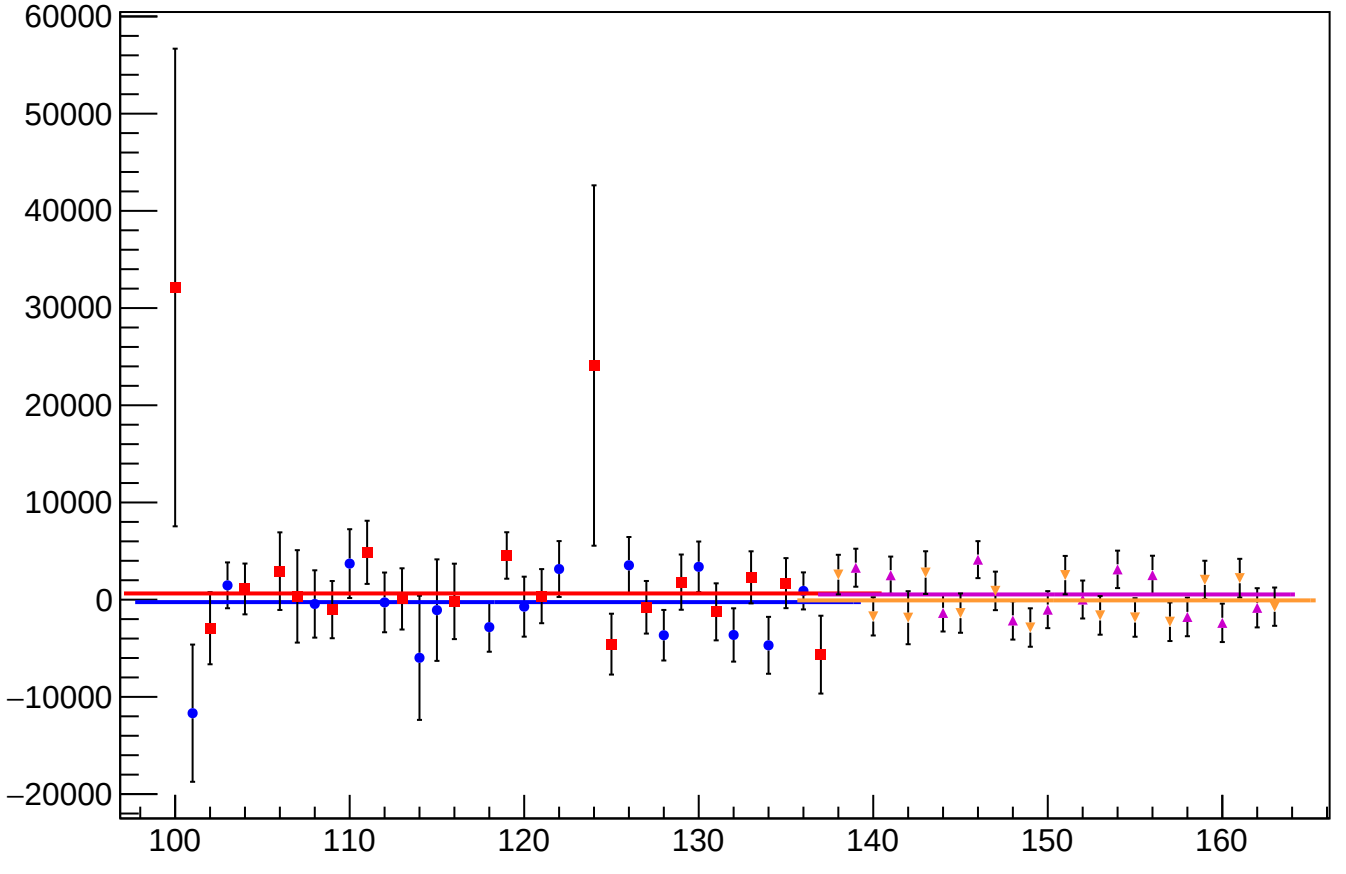
Left In: 445.496+/-0.099 χ^2/NDF:171702.4/11

+ sign 491.384+/-0.085 χ^2/NDF: 3295807.0/29

All: 486.468+/-0.061 χ^2/NDF: 6988316.7/60

- sign 481.442+/-0.086 χ^2/NDF: 3685804.7/30

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

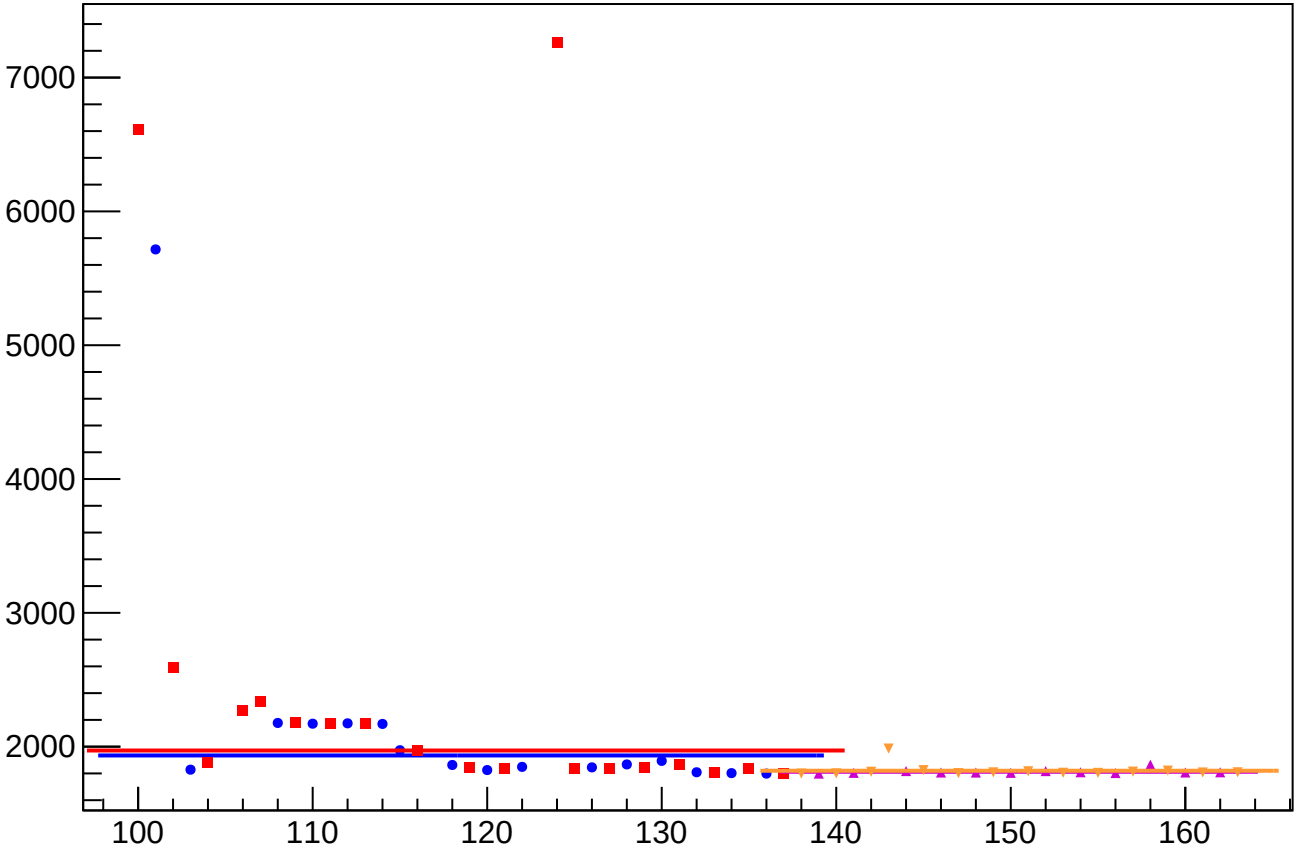
Left In: 538.508+/-562.969 χ^2/NDF:17.0/11

+ sign -135.307+/-437.070 χ^2/NDF: 31.4/29

All: 212.260+/-312.602 χ^2/NDF: 65.6/60

- sign 576.254+/-447.279 χ^2/NDF: 32.9/30

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

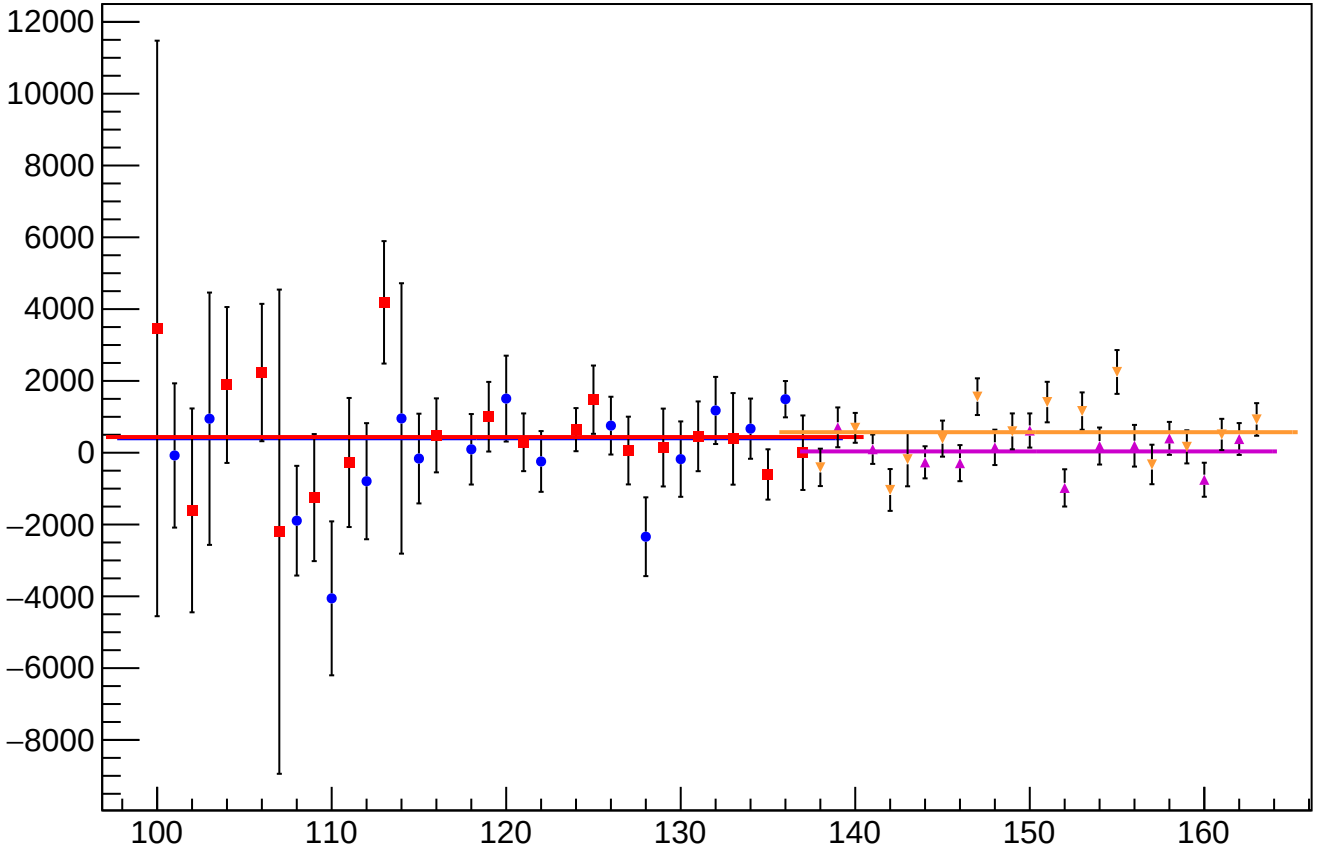
Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.1/29

All: 1865.554+/-0.221 χ^2/NDF: 1127942.1/60

- sign 1870.960+/-0.316 χ^2/NDF: 443770.8/30

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

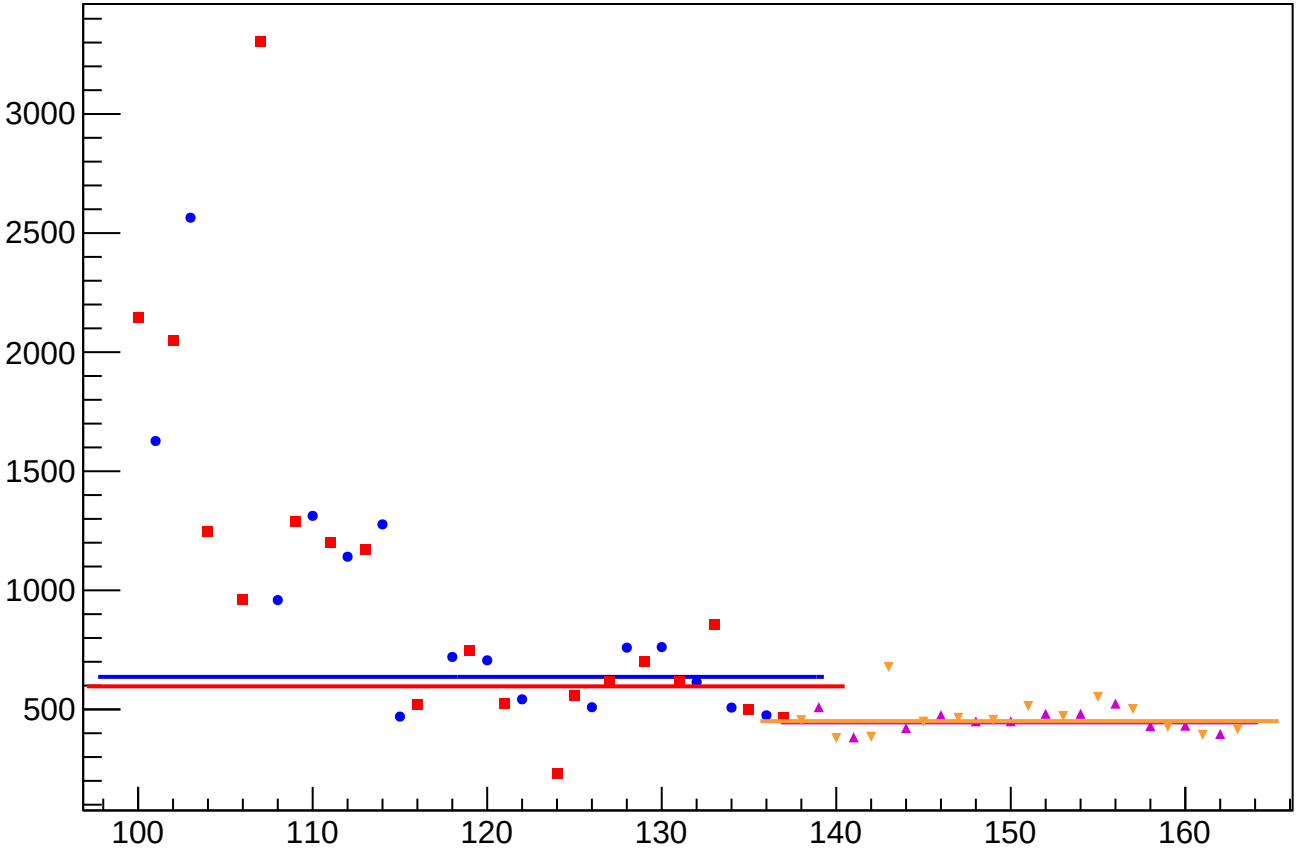
Left In: 36.360+/-139.429 χ^2/NDF:11.9/11

+ sign 535.028+/-120.745 χ^2/NDF: 52.7/29

All: 334.638+/-85.846 χ^2/NDF: 84.5/60

- sign 129.807+/-122.076 χ^2/NDF: 26.2/30

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

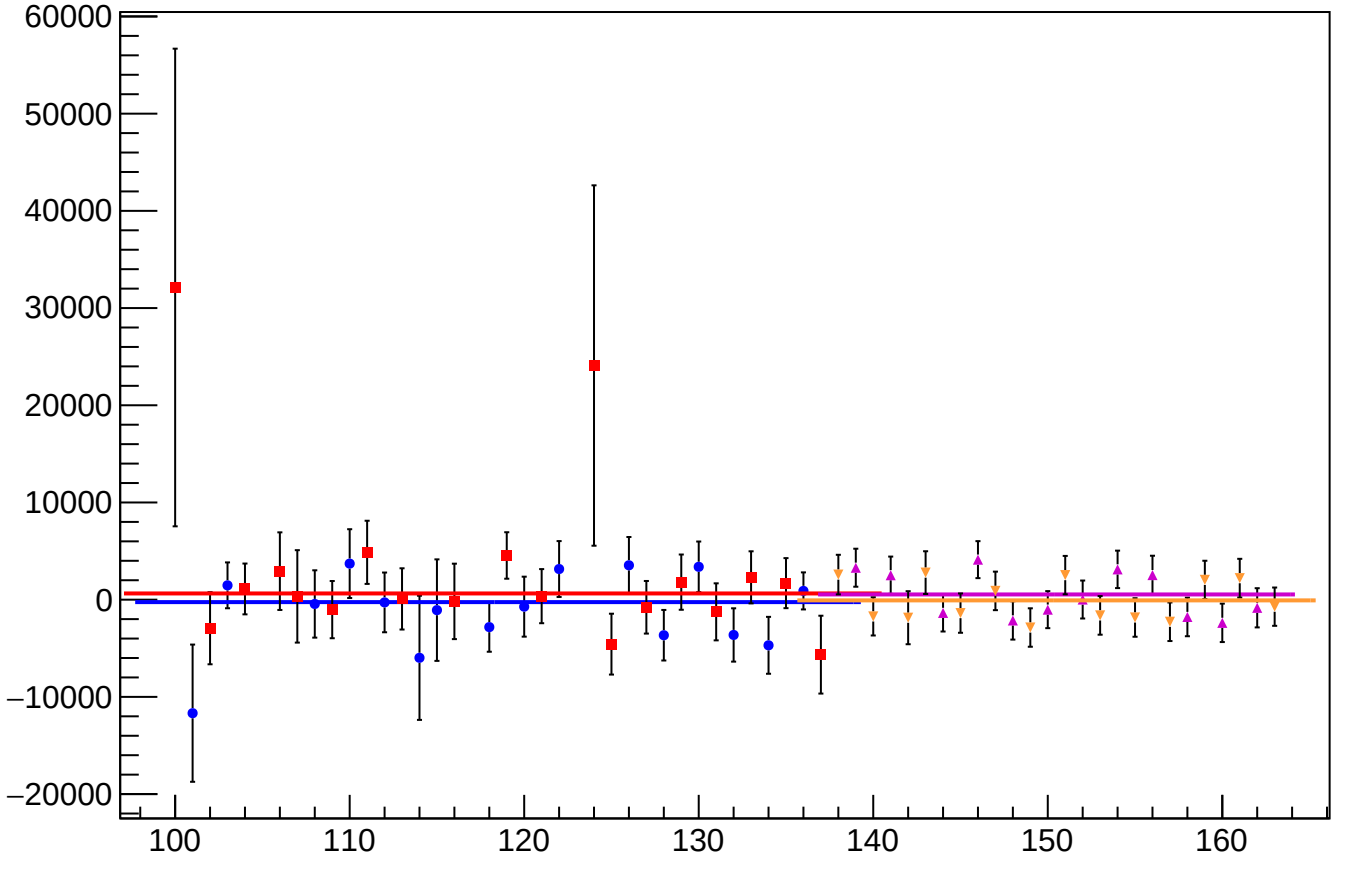
Left In: 445.494+/-0.099 χ^2/NDF:171682.7/11

+ sign 491.385+/-0.085 χ^2/NDF: 3294972.2/29

All: 486.164+/-0.061 χ^2/NDF: 6954879.0/60

- sign 480.827+/-0.086 χ^2/NDF: 3652344.6/30

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

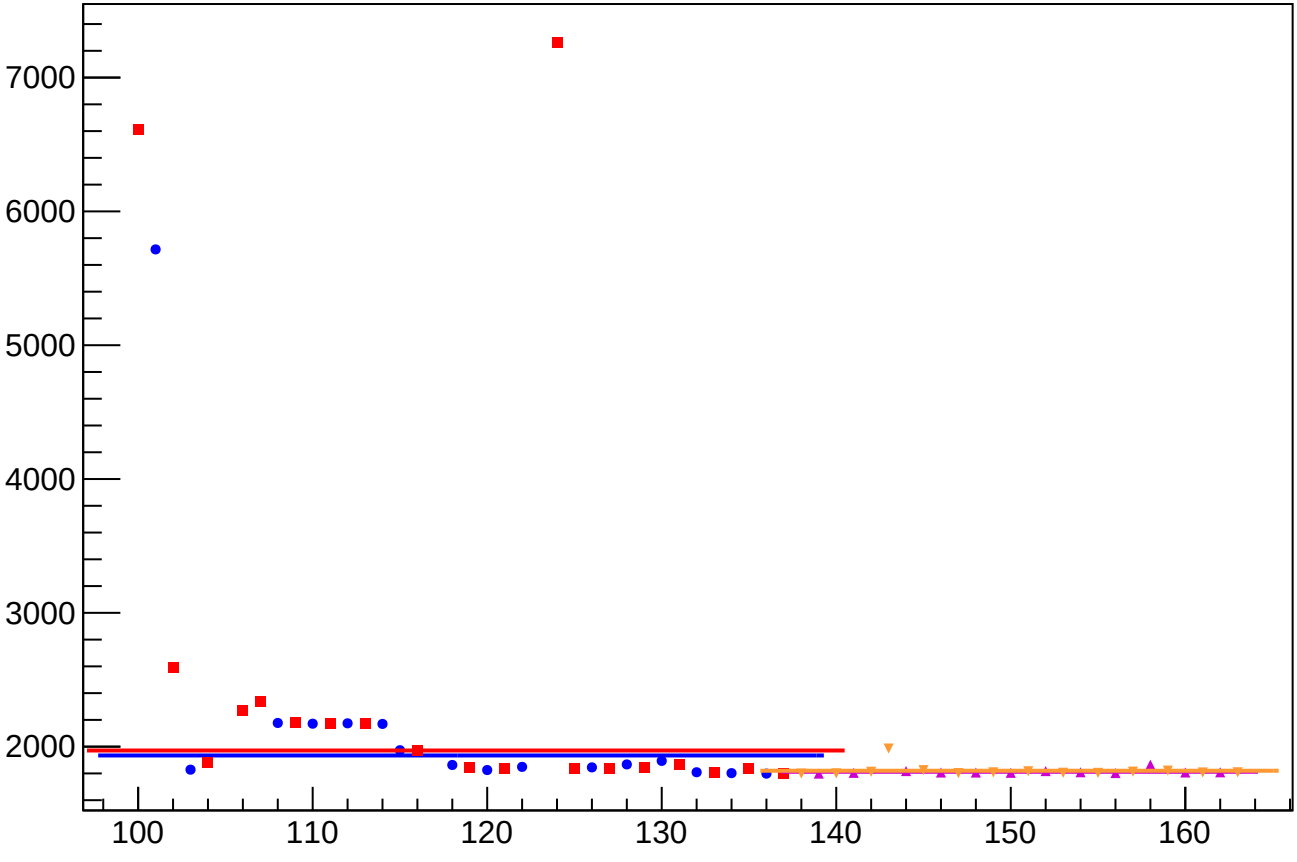
Left In: 538.508+/-562.969 χ^2/NDF:17.0/11

+ sign -135.307+/-437.070 χ^2/NDF: 31.4/29

All: 212.260+/-312.602 χ^2/NDF: 65.6/60

- sign 576.254+/-447.279 χ^2/NDF: 32.9/30

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

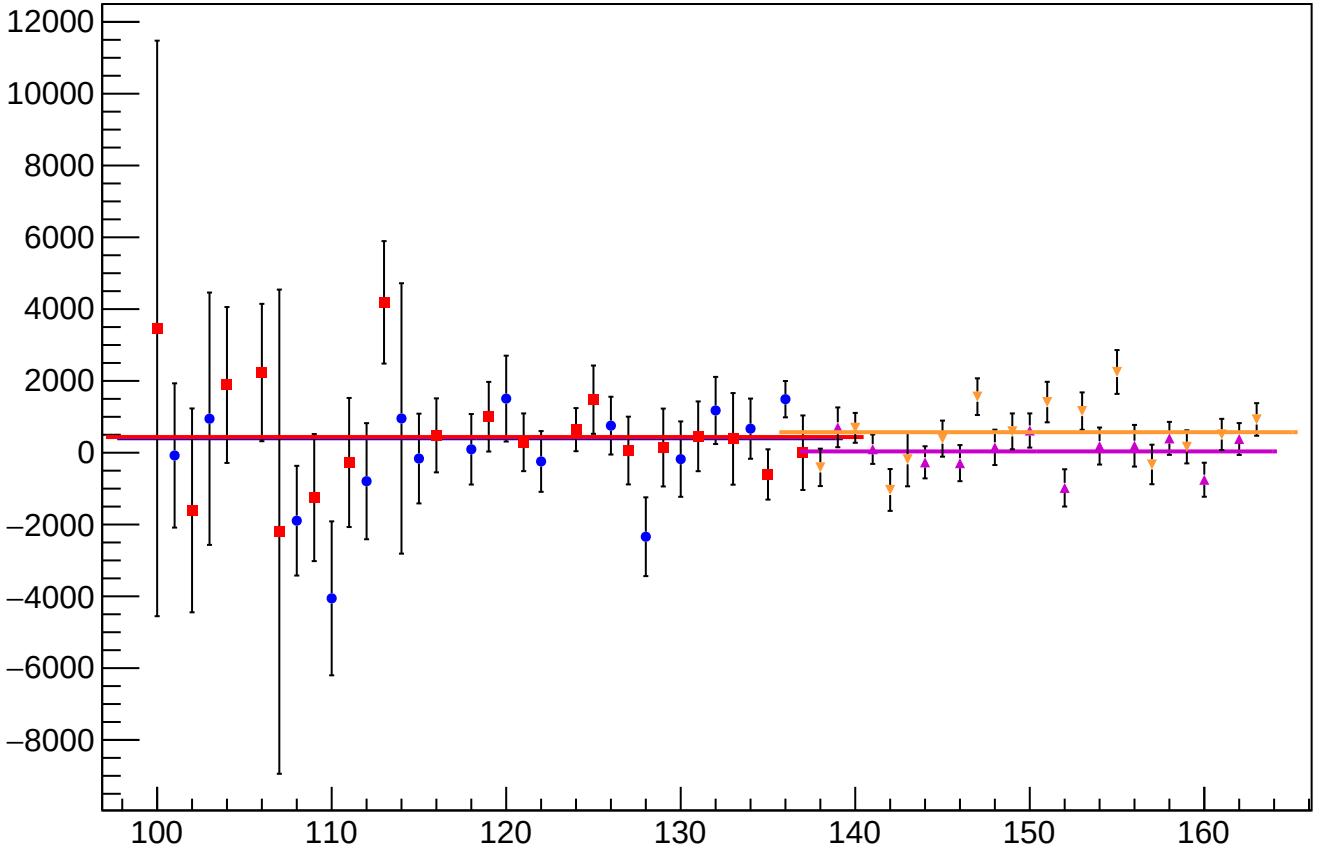
Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

+ sign 1860.391+/-0.309 χ^2/NDF: 683600.1/29

All: 1865.554+/-0.221 χ^2/NDF: 1127942.1/60

- sign 1870.960+/-0.316 χ^2/NDF: 443770.8/30

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 36.360+/-139.429 χ^2/NDF:11.9/11

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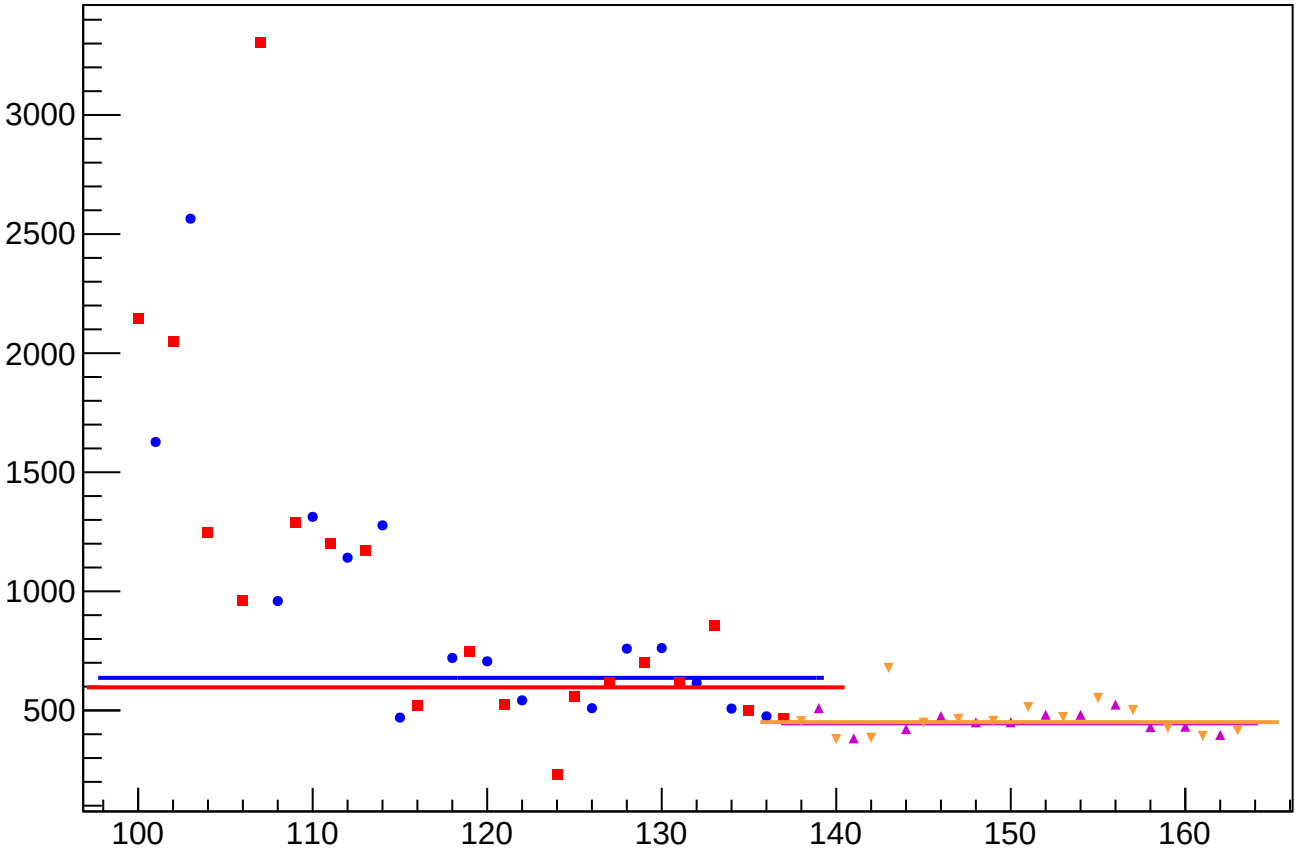
All: 334.638+/-85.846 χ^2/NDF: 84.5/60

- sign 129.807+/-122.076 χ^2/NDF: 26.2/30

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

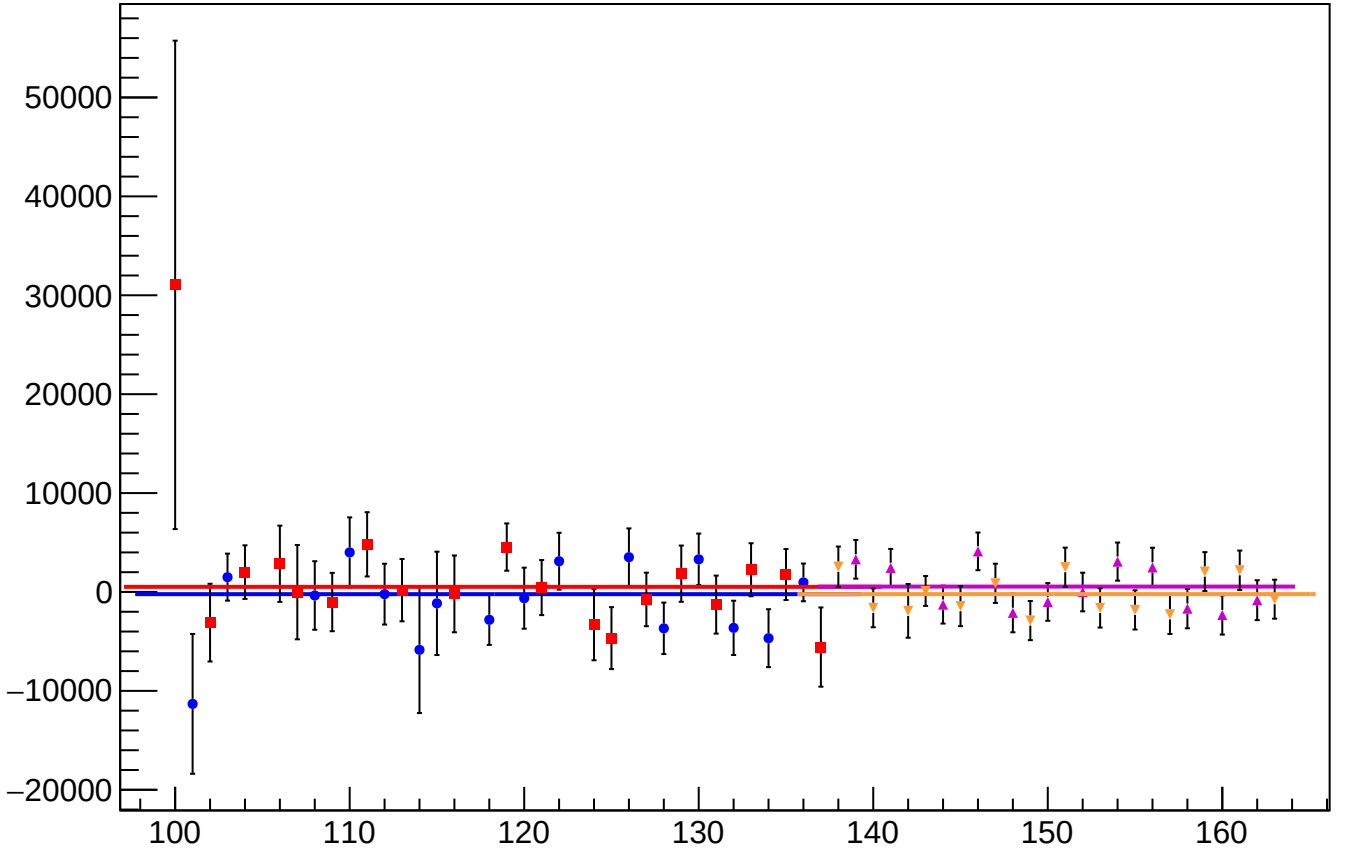
Left In: 445.494+/-0.099 χ^2/NDF:171682.7/11

+ sign 491.385+/-0.085 χ^2/NDF: 3294972.2/29

All: 486.164+/-0.061 χ^2/NDF: 6954879.0/60

- sign 480.827+/-0.086 χ^2/NDF: 3652344.6/30

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.364+/-525.946 χ^2/NDF:12.3/13

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

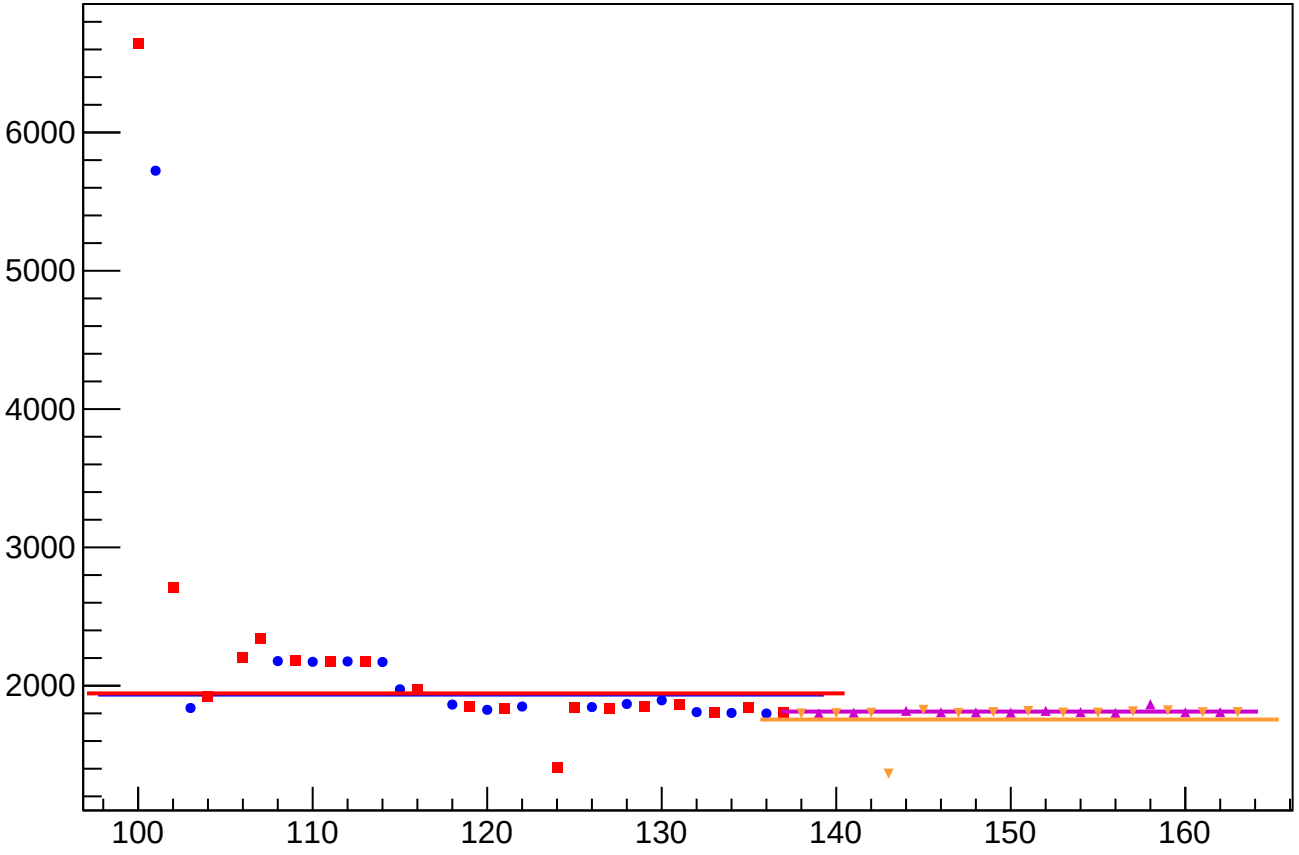
Left In: 545.342+/-563.157 χ^2/NDF:16.4/11

+ sign -217.726+/-427.894 χ^2/NDF: 29.4/29

All: 144.545+/-308.351 χ^2/NDF: 62.9/60

- sign 535.904+/-444.742 χ^2/NDF: 32.0/30

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.4/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

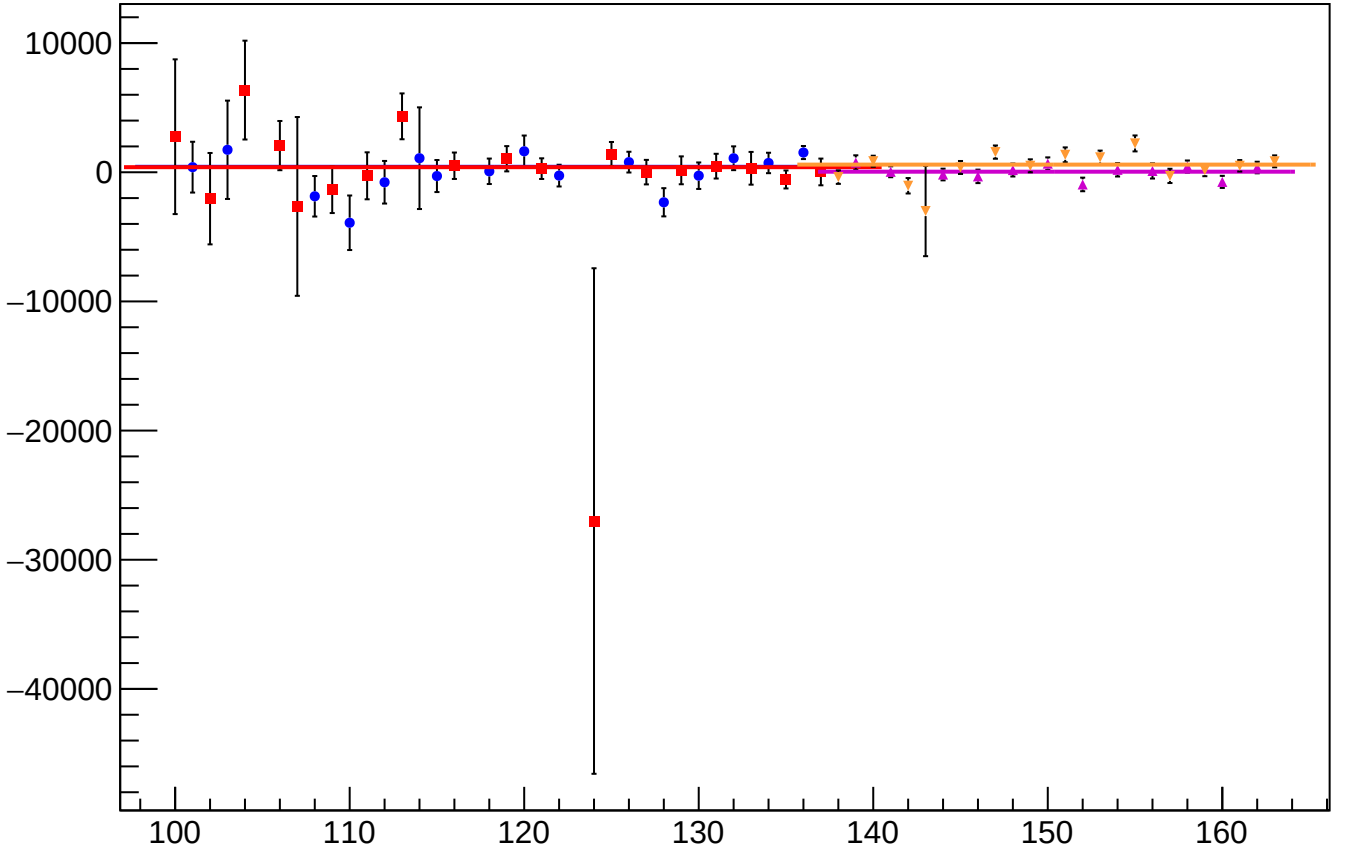
Left In: 1812.913+/-0.398 χ^2/NDF:1721.5/11

+ sign 1816.445+/-0.303 χ^2/NDF: 872646.3/29

All: 1838.551+/-0.218 χ^2/NDF: 1202784.5/60

- sign 1862.431+/-0.314 χ^2/NDF: 319034.5/30

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.026+/-140.667 χ^2/NDF:29.8/13

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

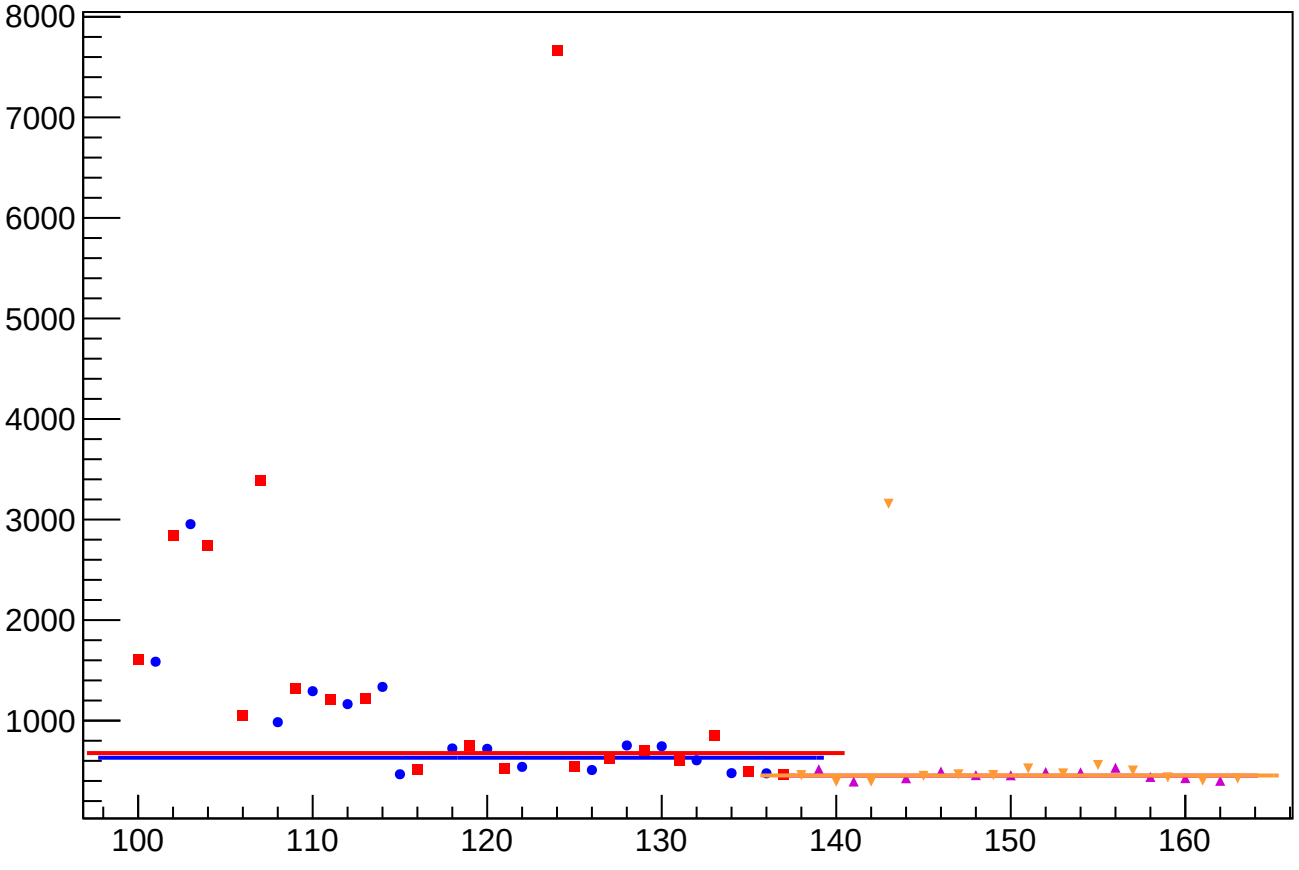
Left In: 43.496+/-141.620 χ^2/NDF:11.7/11

+ sign 552.575+/-123.365 χ^2/NDF: 51.6/29

All: 338.985+/-88.264 χ^2/NDF: 86.6/60

- sign 114.991+/-126.335 χ^2/NDF: 28.8/30

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 454.442+/-0.099 χ^2/NDF:1405150.2/13

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

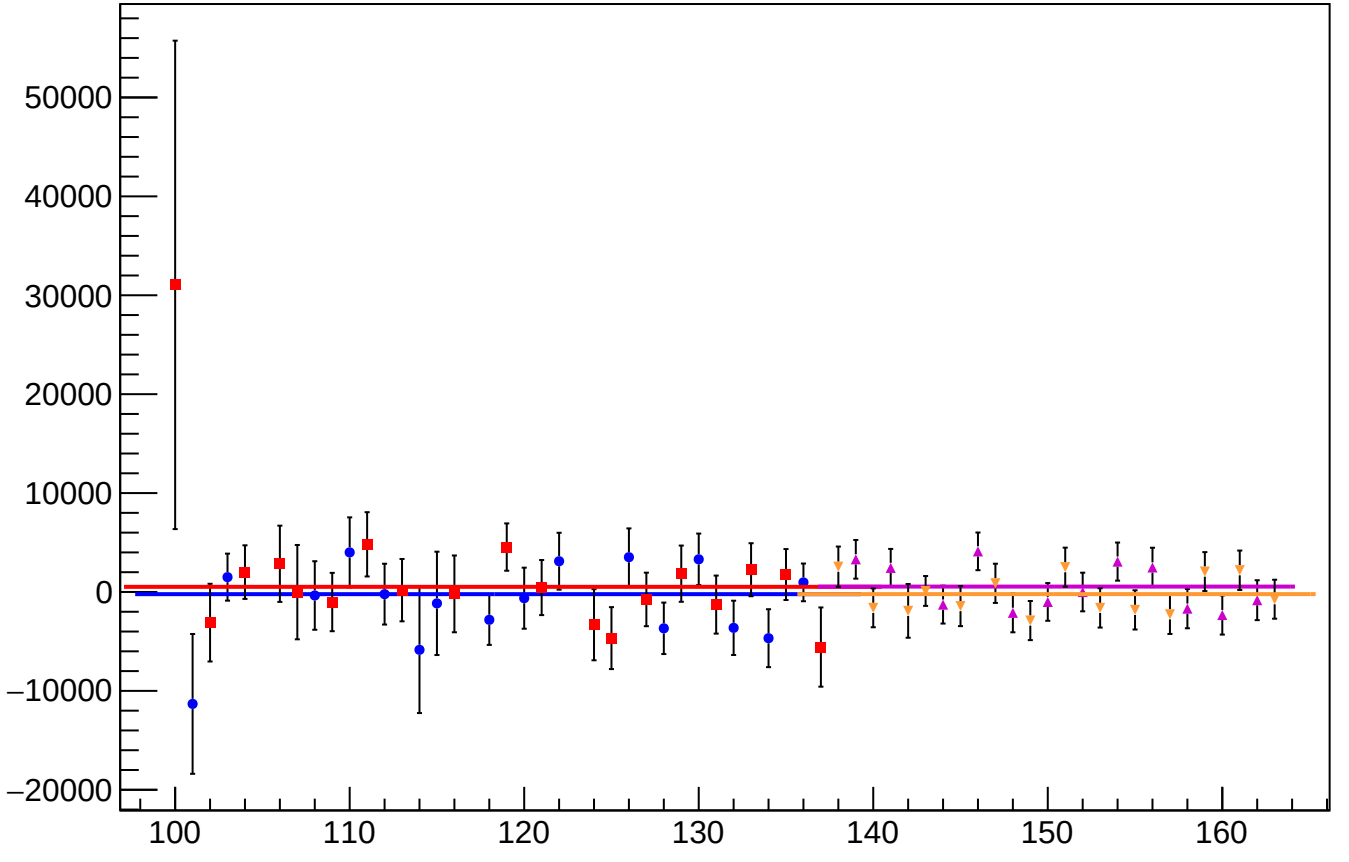
Left In: 452.953+/-0.100 χ^2/NDF:168976.0/11

+ sign 495.236+/-0.087 χ^2/NDF: 4368206.8/29

All: 496.974+/-0.062 χ^2/NDF: 8645784.1/60

- sign 498.796+/-0.089 χ^2/NDF: 4276764.2/30

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.365+/-525.946 χ^2/NDF:12.3/13

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

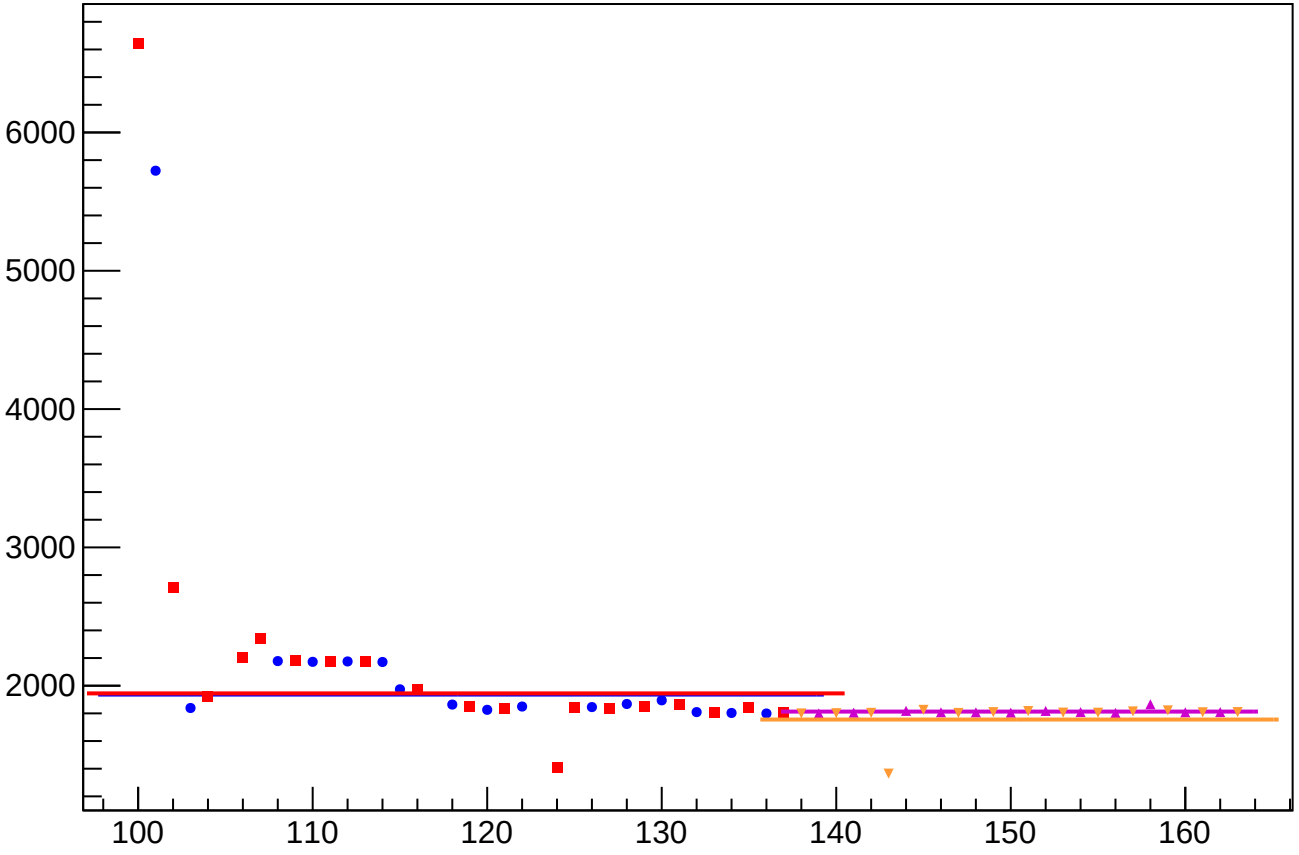
Left In: 545.341+/-563.156 χ^2/NDF:16.4/11

+ sign -217.727+/-427.894 χ^2/NDF: 29.4/29

All: 144.544+/-308.351 χ^2/NDF: 62.9/60

- sign 535.905+/-444.742 χ^2/NDF: 32.0/30

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.3/13

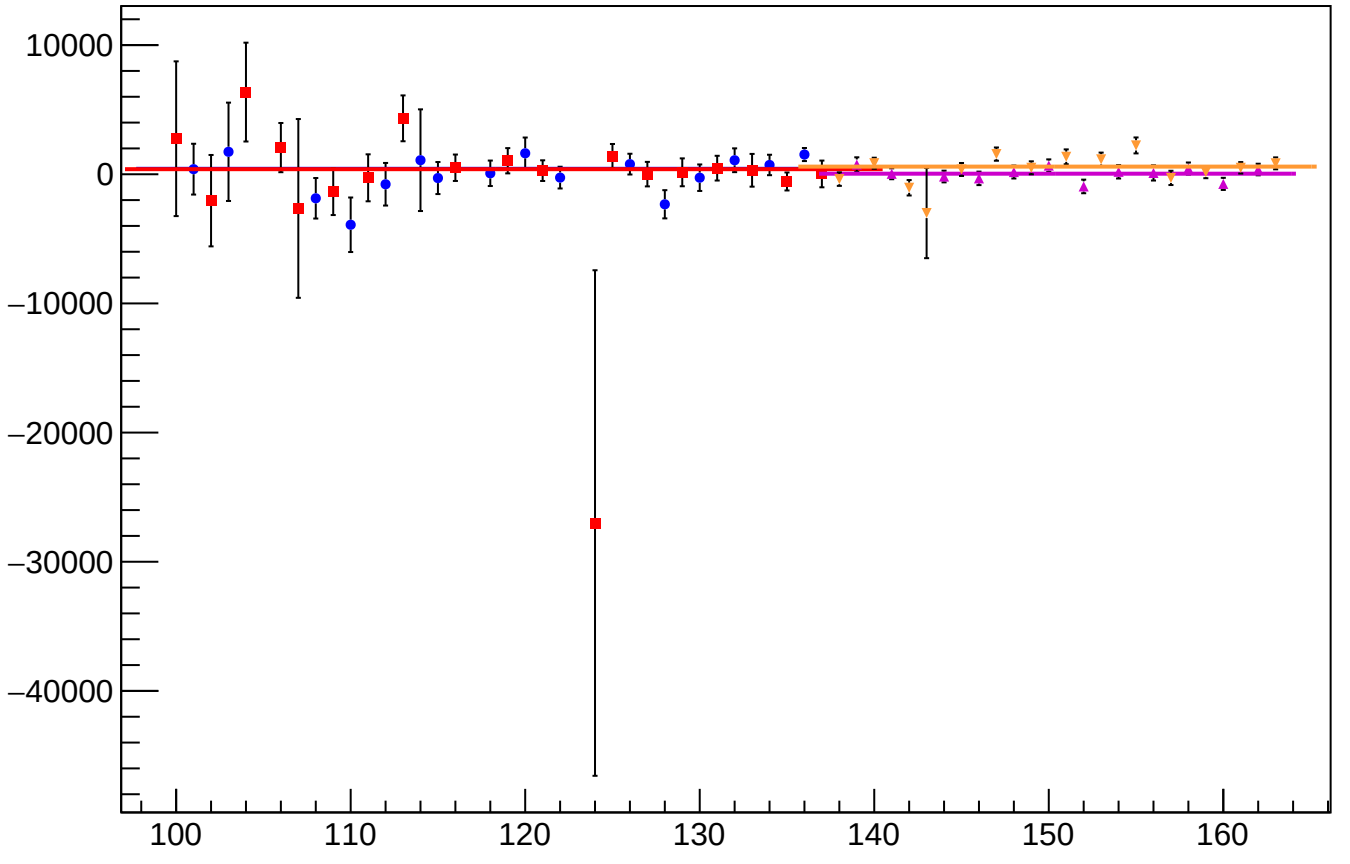
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.913+/-0.398 χ^2/NDF:1721.5/11

+ sign 1816.445+/-0.303 χ^2/NDF: 872646.3/29

All: 1838.551+/-0.218 χ^2/NDF: 1202784.2/60

- sign 1862.431+/-0.314 χ^2/NDF: 319034.3/30



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.025+/-140.667 χ^2/NDF:29.8/13

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

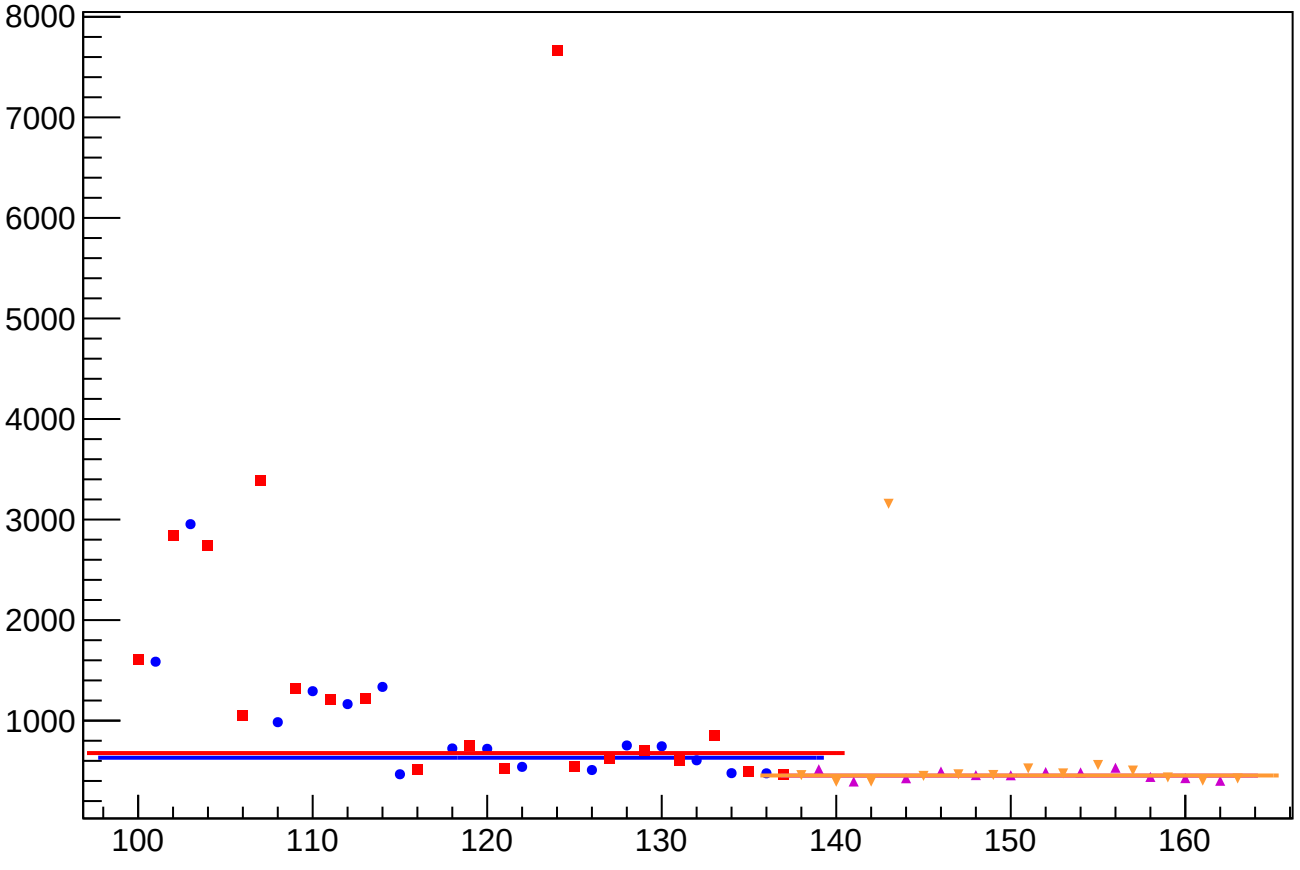
Left In: 43.495+/-141.620 χ^2/NDF:11.7/11

+ sign 552.574+/-123.365 χ^2/NDF: 51.6/29

All: 338.985+/-88.264 χ^2/NDF: 86.6/60

- sign 114.990+/-126.335 χ^2/NDF: 28.8/30

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 454.441+/-0.099 χ^2/NDF:1405152.4/13

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

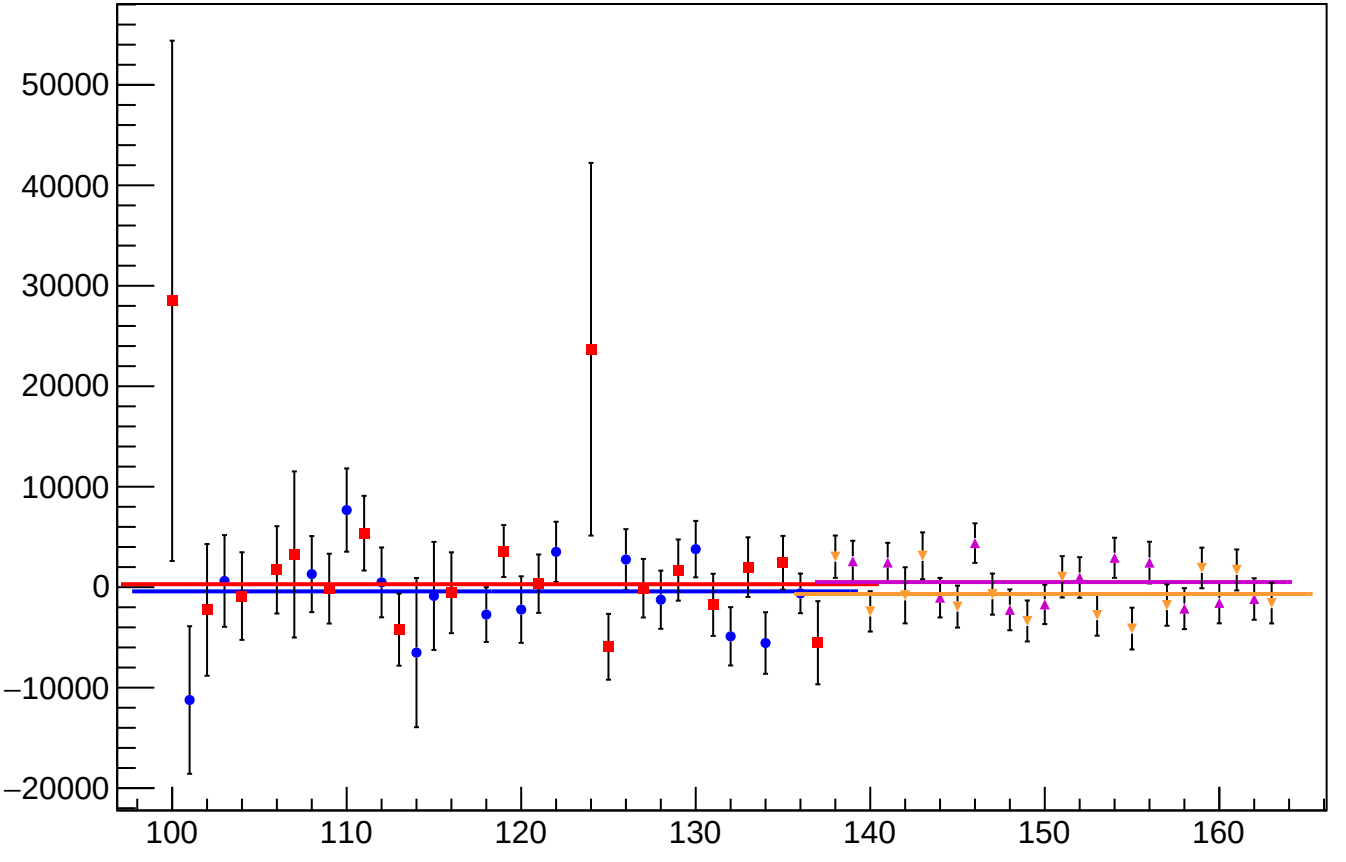
Left In: 452.953+/-0.100 χ^2/NDF:168978.6/11

+ sign 495.236+/-0.087 χ^2/NDF: 4368209.7/29

All: 496.974+/-0.062 χ^2/NDF: 8645790.7/60

- sign 498.796+/-0.089 χ^2/NDF: 4276767.7/30

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -680.433+/-562.188 χ^2/NDF:16.6/13

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

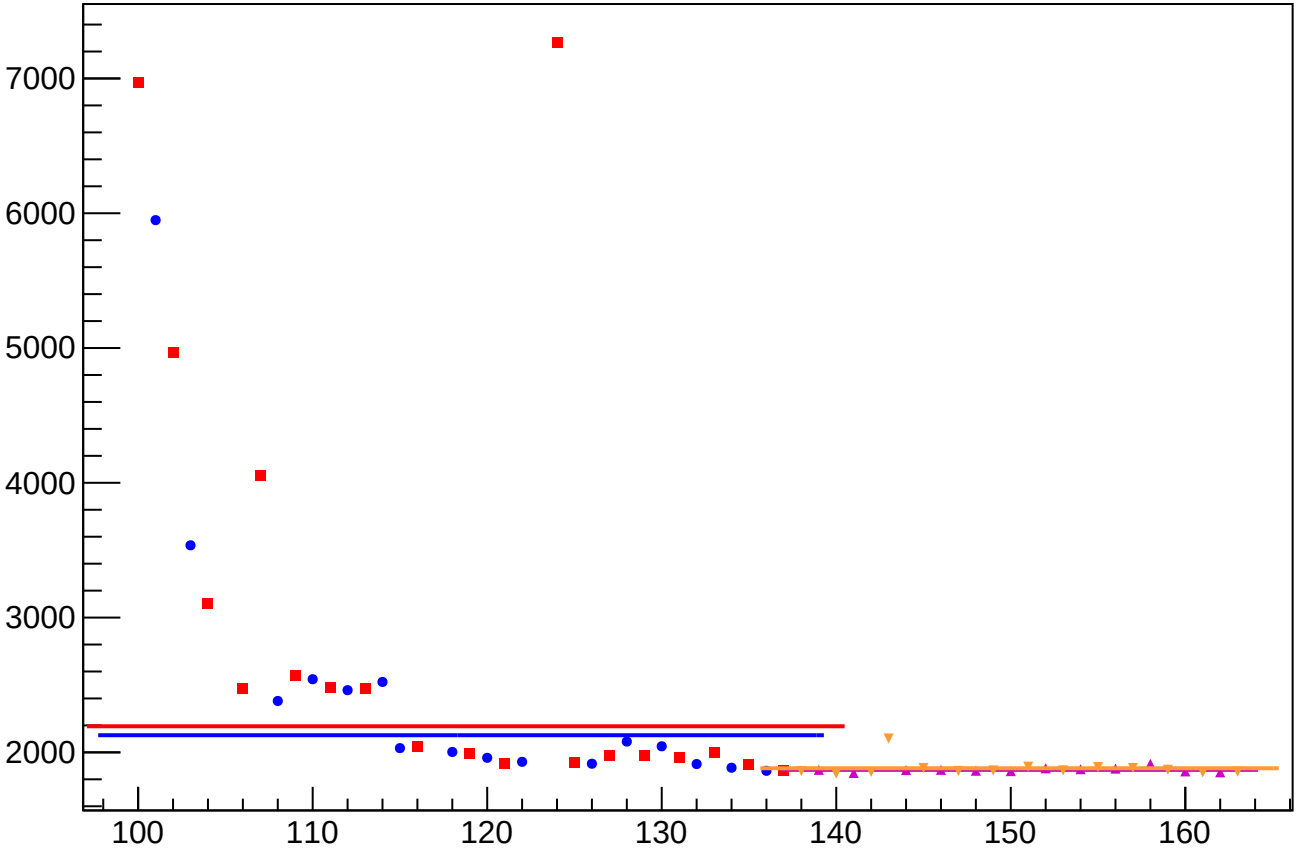
Left In: 509.100+/-580.978 χ^2/NDF:15.4/11

+ sign -595.764+/-462.836 χ^2/NDF: 35.0/29

All: -93.310+/-331.921 χ^2/NDF: 68.5/60

- sign 438.722+/-476.265 χ^2/NDF: 31.1/30

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1881.944+/-0.398 χ^2/NDF:20529.1/13

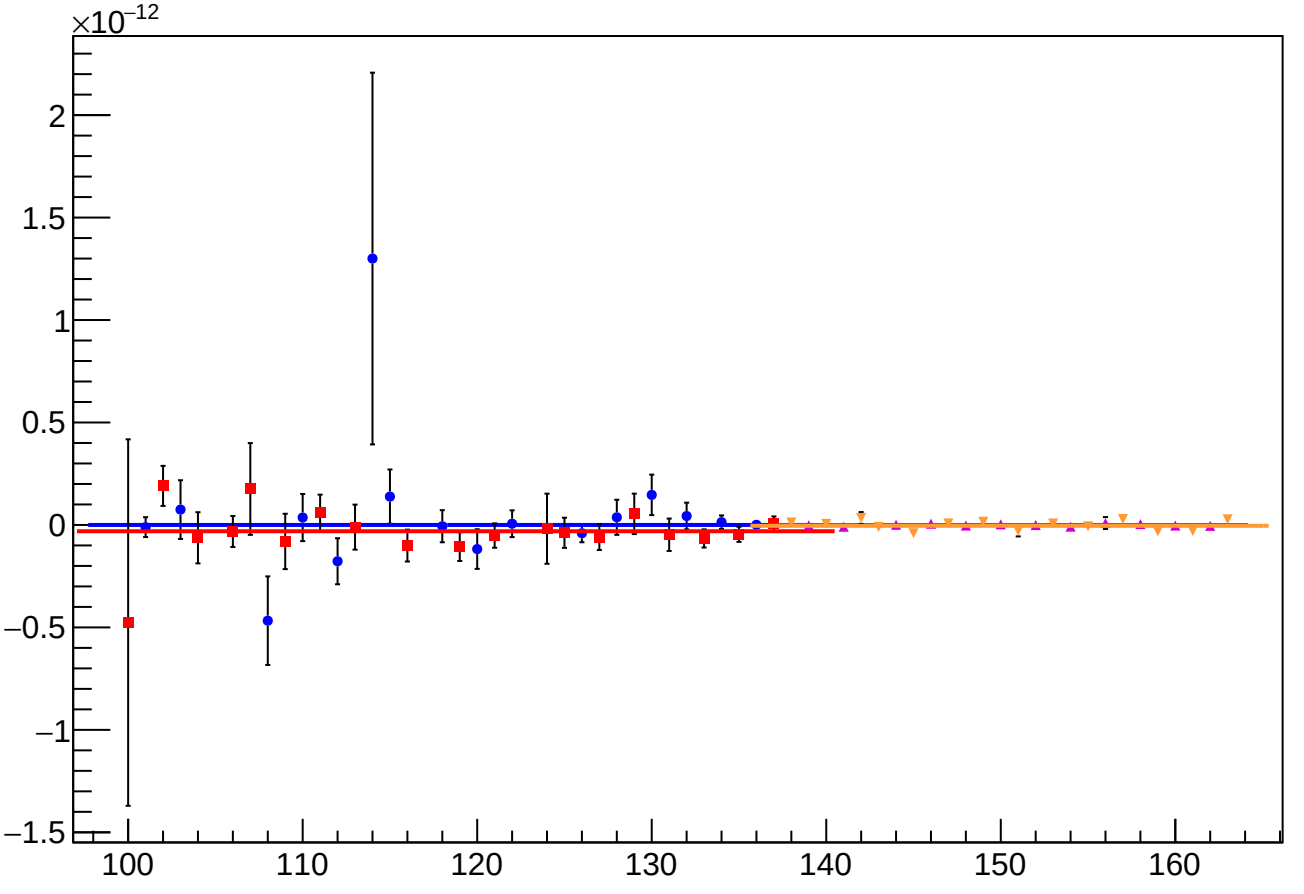
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1870.269+/-0.411 χ^2/NDF:1643.0/11

+ sign 1960.918+/-0.327 χ^2/NDF: 1018094.1/29

All: 1968.391+/-0.235 χ^2/NDF: 2166514.2/60

- sign 1976.305+/-0.337 χ^2/NDF: 1147346.5/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

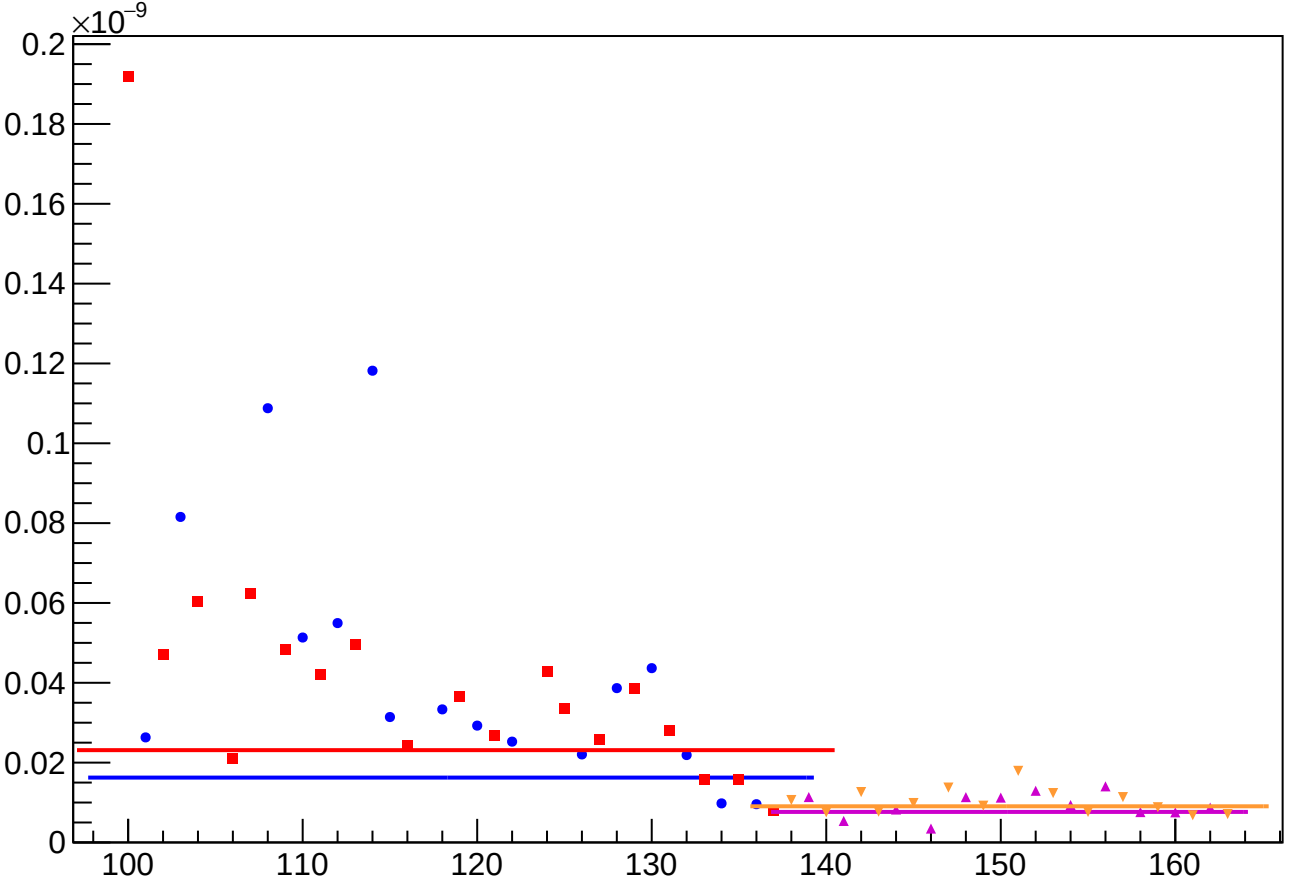
Left In: -0.000+/-0.000 χ^2/NDF:1.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/29

All: -0.000+/-0.000 χ^2/NDF: 58.5/60

- sign -0.000+/-0.000 χ^2/NDF: 17.3/30

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:570245.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

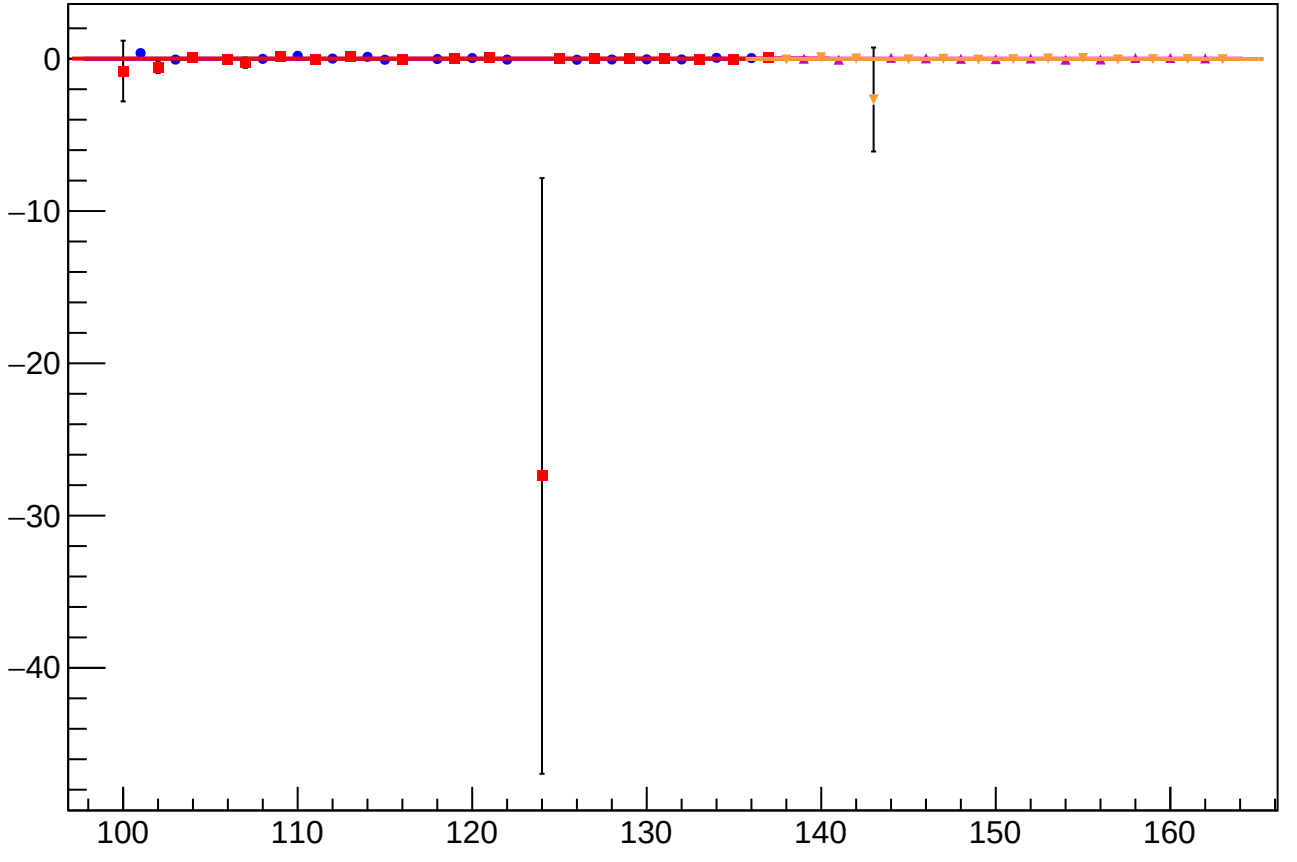
Left In: 0.000+/-0.000 χ^2/NDF:881933.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 3496041.2/29

All: 0.000+/-0.000 χ^2/NDF: 7670464.1/60

- sign 0.000+/-0.000 χ^2/NDF: 4091234.8/30

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

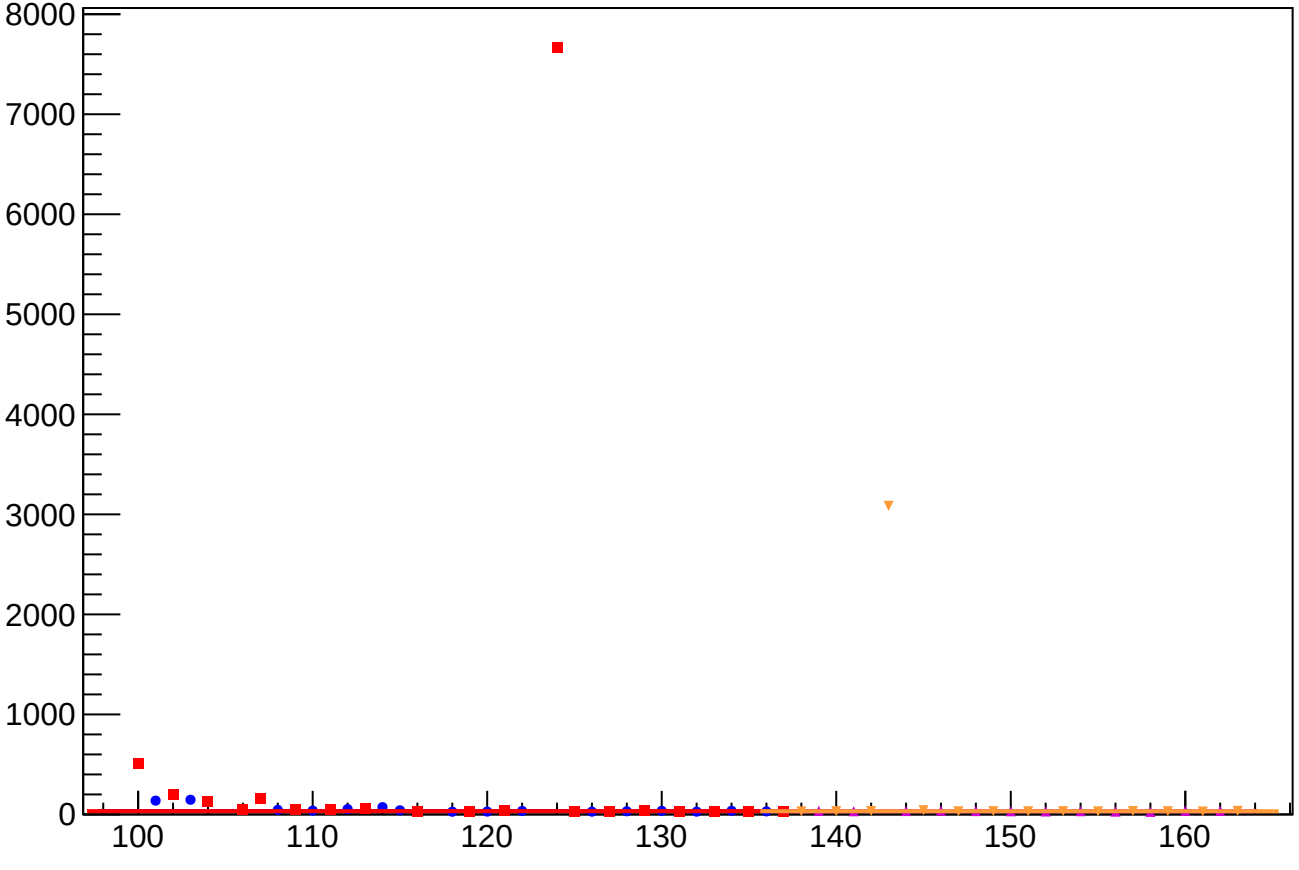
Left In: 0.004+/-0.011 χ^2/NDF:15.6/11

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: -0.000+/-0.006 χ^2/NDF: 69.3/60

- sign 0.007+/-0.009 χ^2/NDF: 29.9/30

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.313+/-0.008 χ^2/NDF:1726374.5/13

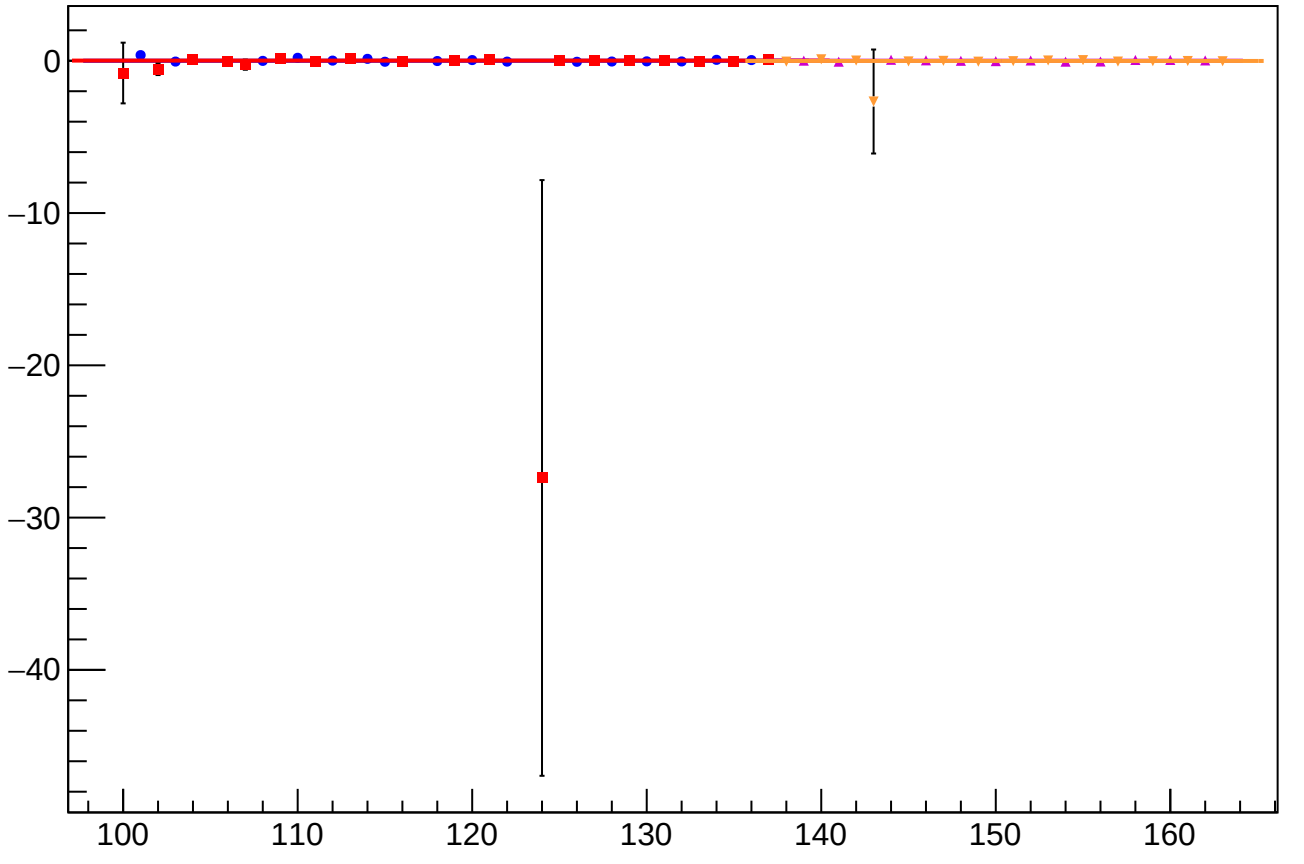
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.283+/-0.008 χ^2/NDF:185323.8/11

\+ sign 32.925+/-0.006 χ^2/NDF: 3461728.7/29

All: 32.746+/-0.004 χ^2/NDF: 5727621.7/60

\- sign 32.565+/-0.006 χ^2/NDF: 2264207.6/30



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

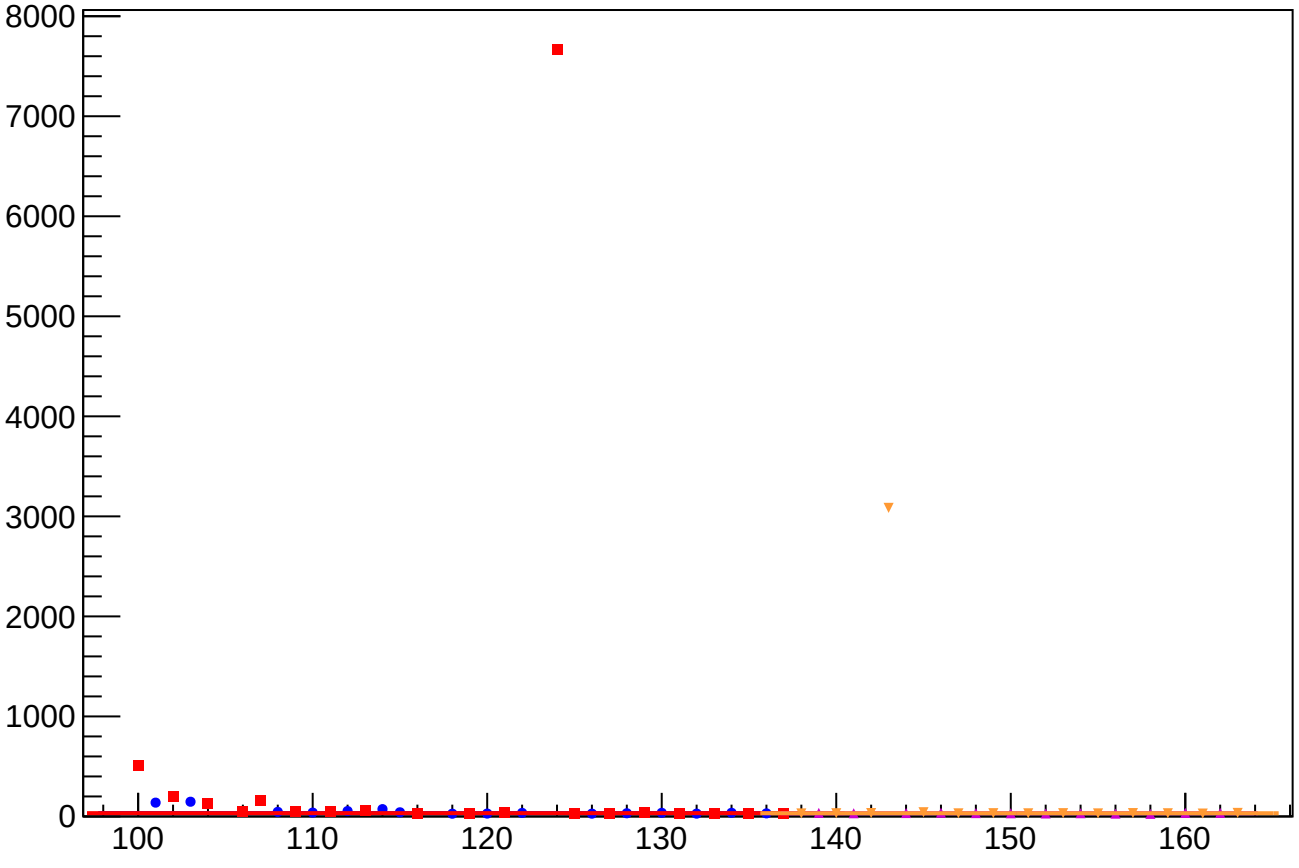
Left In: 0.004+/-0.011 χ^2/NDF:15.6/11

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: -0.000+/-0.006 χ^2/NDF: 69.3/60

- sign 0.007+/-0.009 χ^2/NDF: 29.9/30

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: 32.313+/-0.008 χ^2/NDF:1726374.5/13

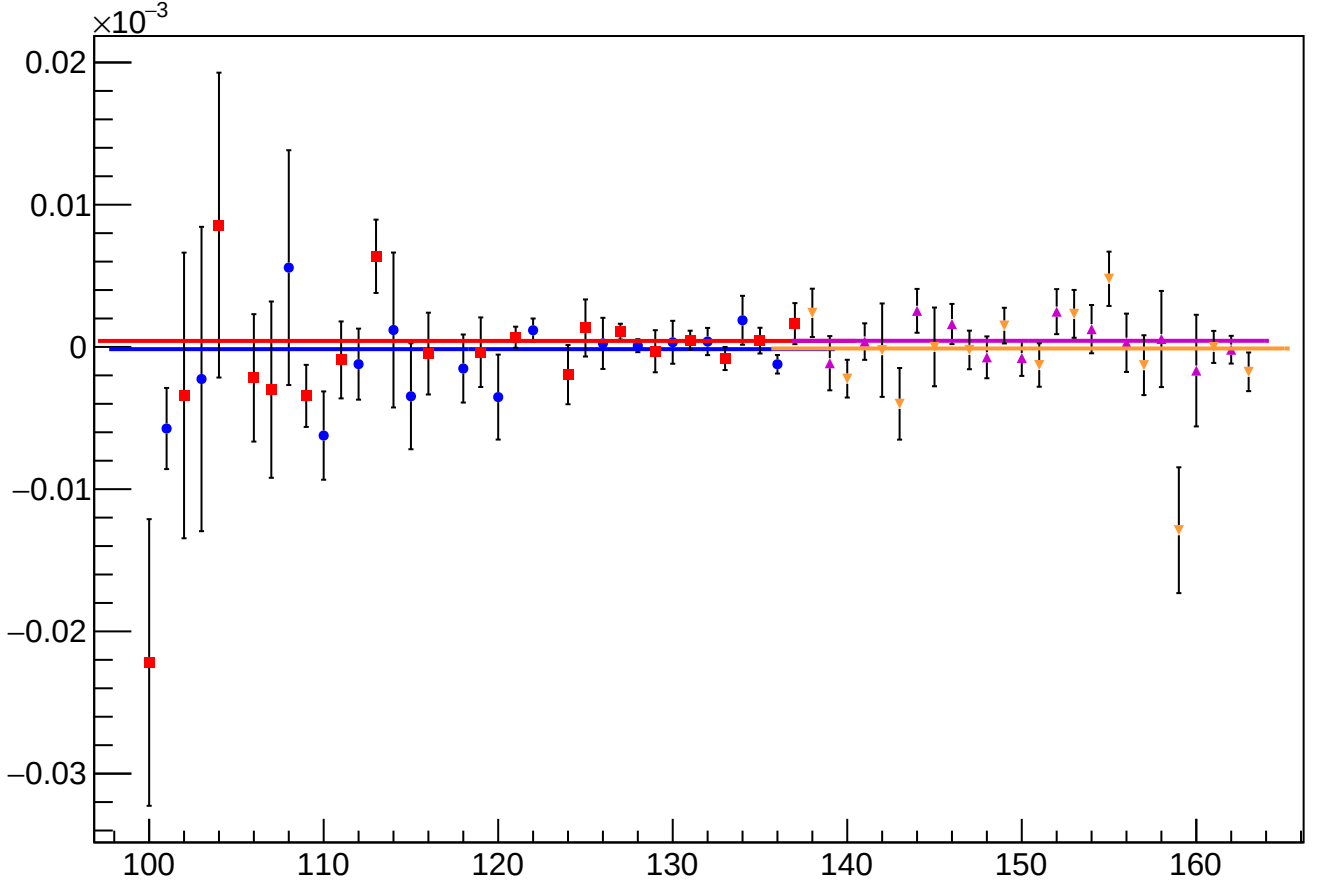
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.283+/-0.008 χ^2/NDF:185323.8/11

\+ sign 32.925+/-0.006 χ^2/NDF: 3461728.7/29

All: 32.746+/-0.004 χ^2/NDF: 5727621.7/60

\- sign 32.565+/-0.006 χ^2/NDF: 2264207.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

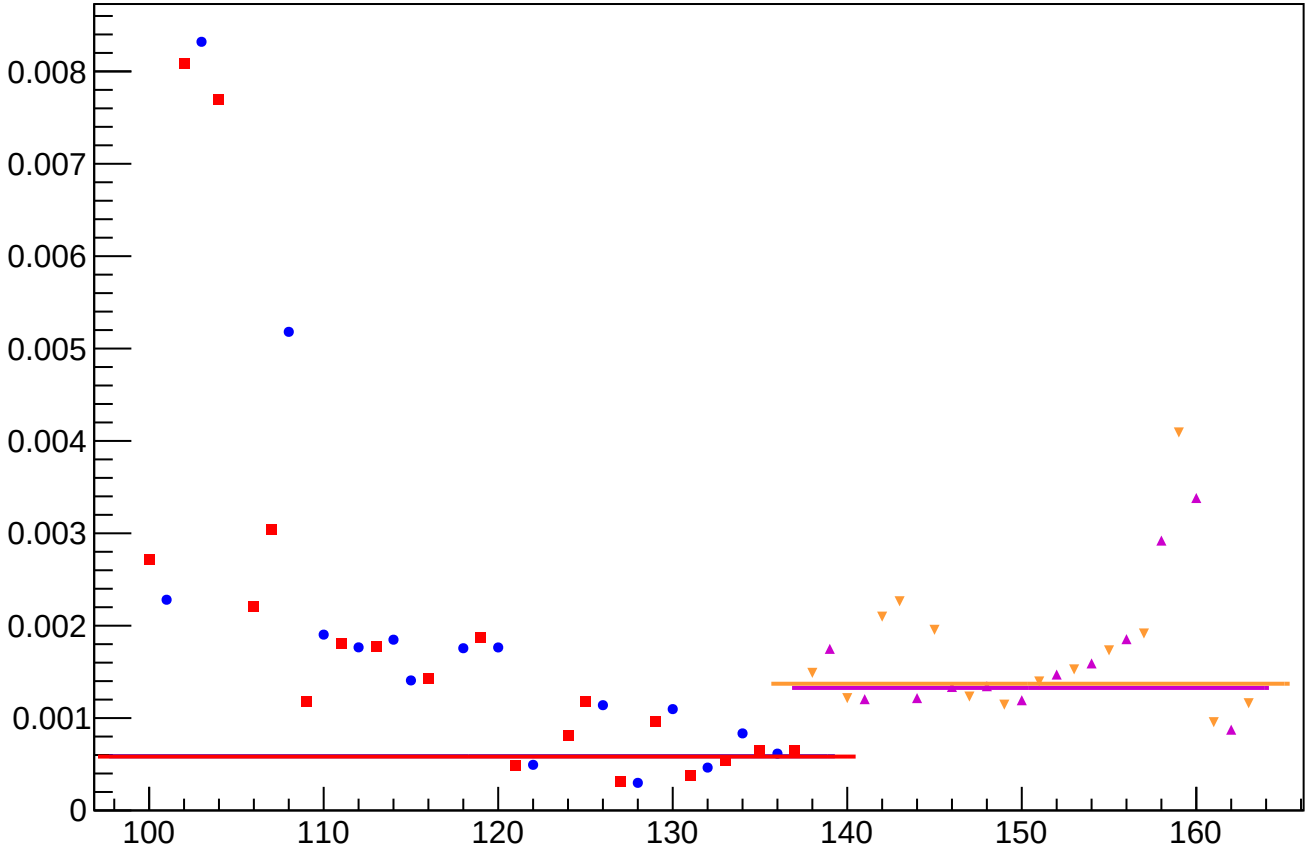
Left In: 0.000+/-0.000 χ^2/NDF:7.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 46.3/29

All: 0.000+/-0.000 χ^2/NDF: 78.1/60

- sign 0.000+/-0.000 χ^2/NDF: 29.0/30

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:1862420.4/13

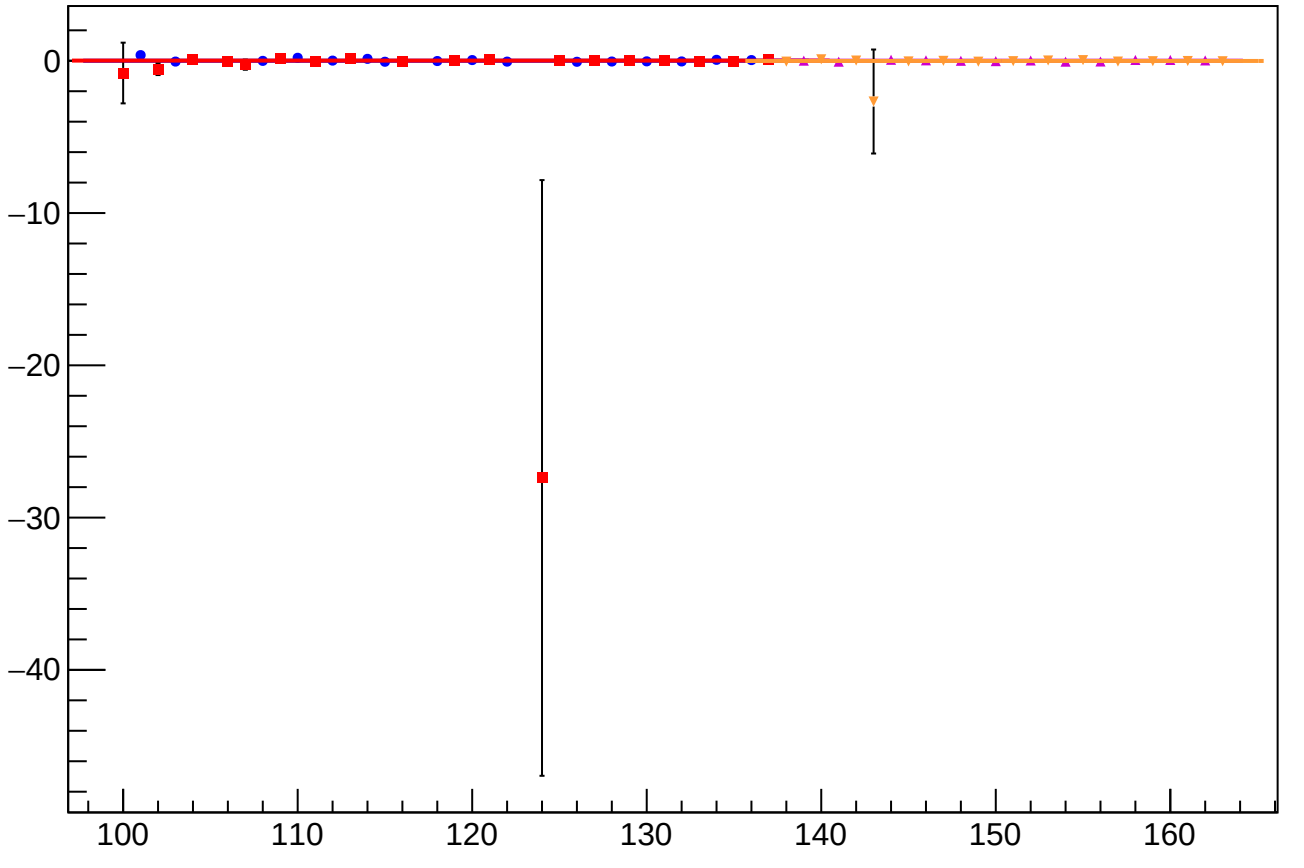
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1770839.0/11

+ sign 0.001+/-0.000 χ^2/NDF: 11738391.2/29

All: 0.001+/-0.000 χ^2/NDF: 22928026.1/60

- sign 0.001+/-0.000 χ^2/NDF: 11176611.0/30



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

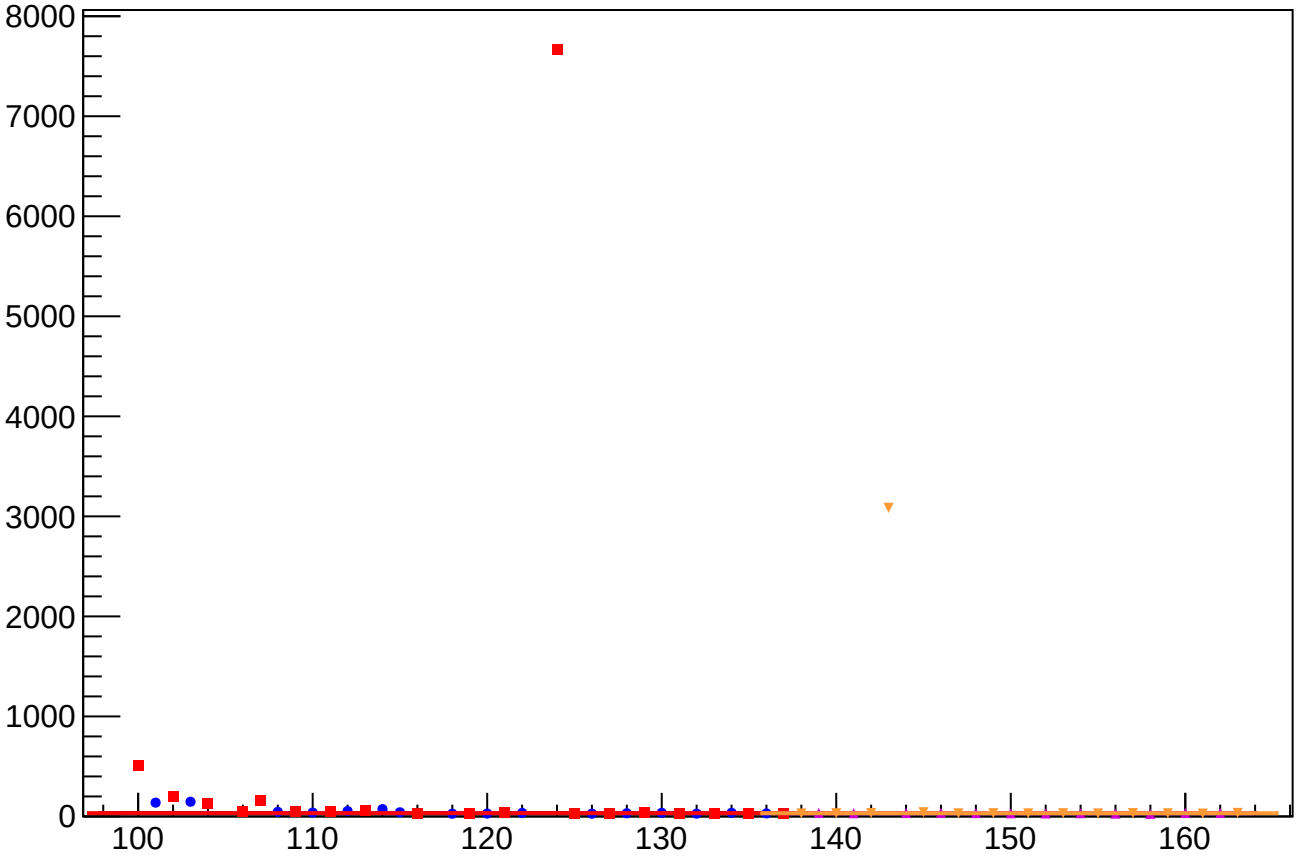
Left In: 0.004+/-0.011 χ^2/NDF:15.6/11

\+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: -0.000+/-0.006 χ^2/NDF: 69.3/60

\- sign 0.007+/-0.009 χ^2/NDF: 29.9/30

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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

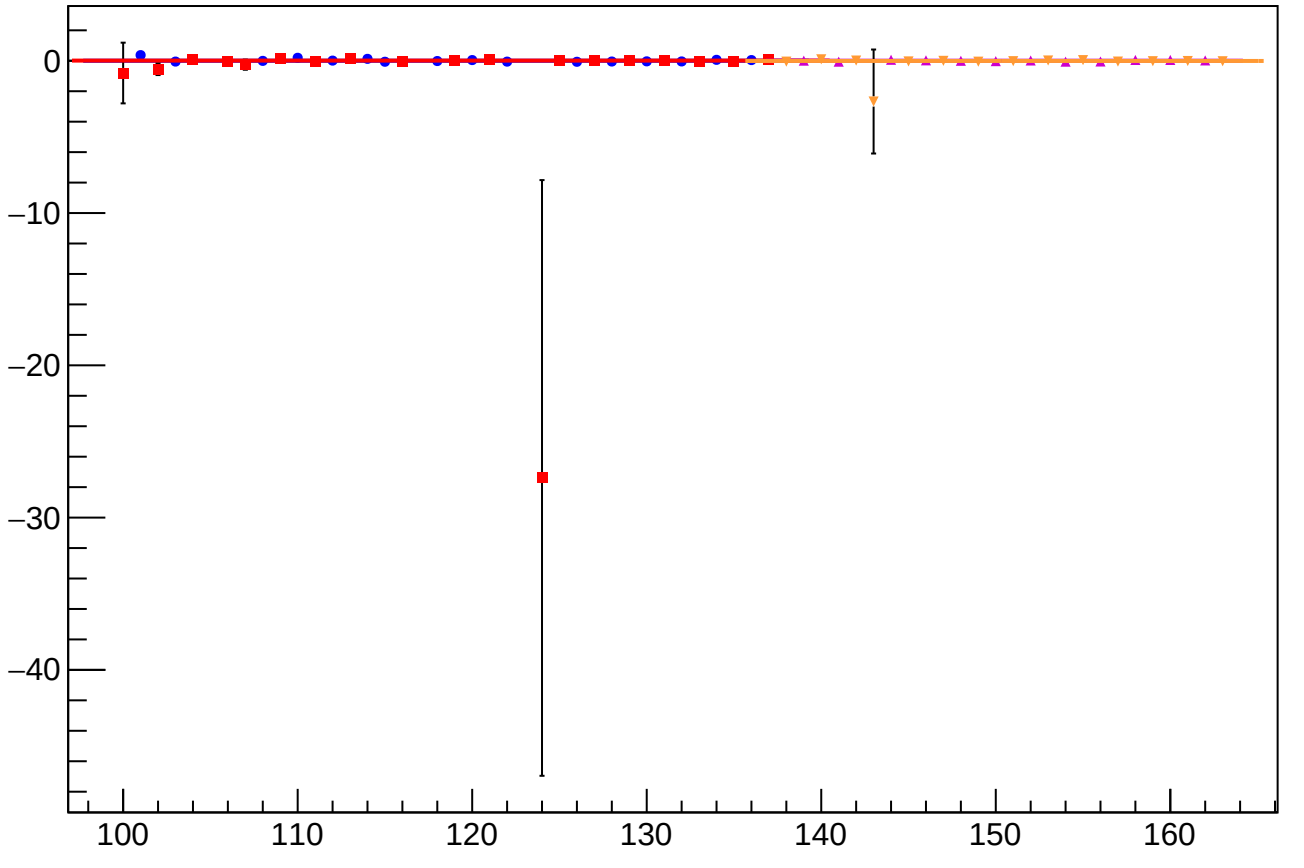
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.008 χ^2/NDF:185257.0/11

+ sign 32.925+/-0.006 χ^2/NDF: 3461710.9/29

All: 32.746+/-0.004 χ^2/NDF: 5727512.2/60

- sign 32.565+/-0.006 χ^2/NDF: 2264117.6/30



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

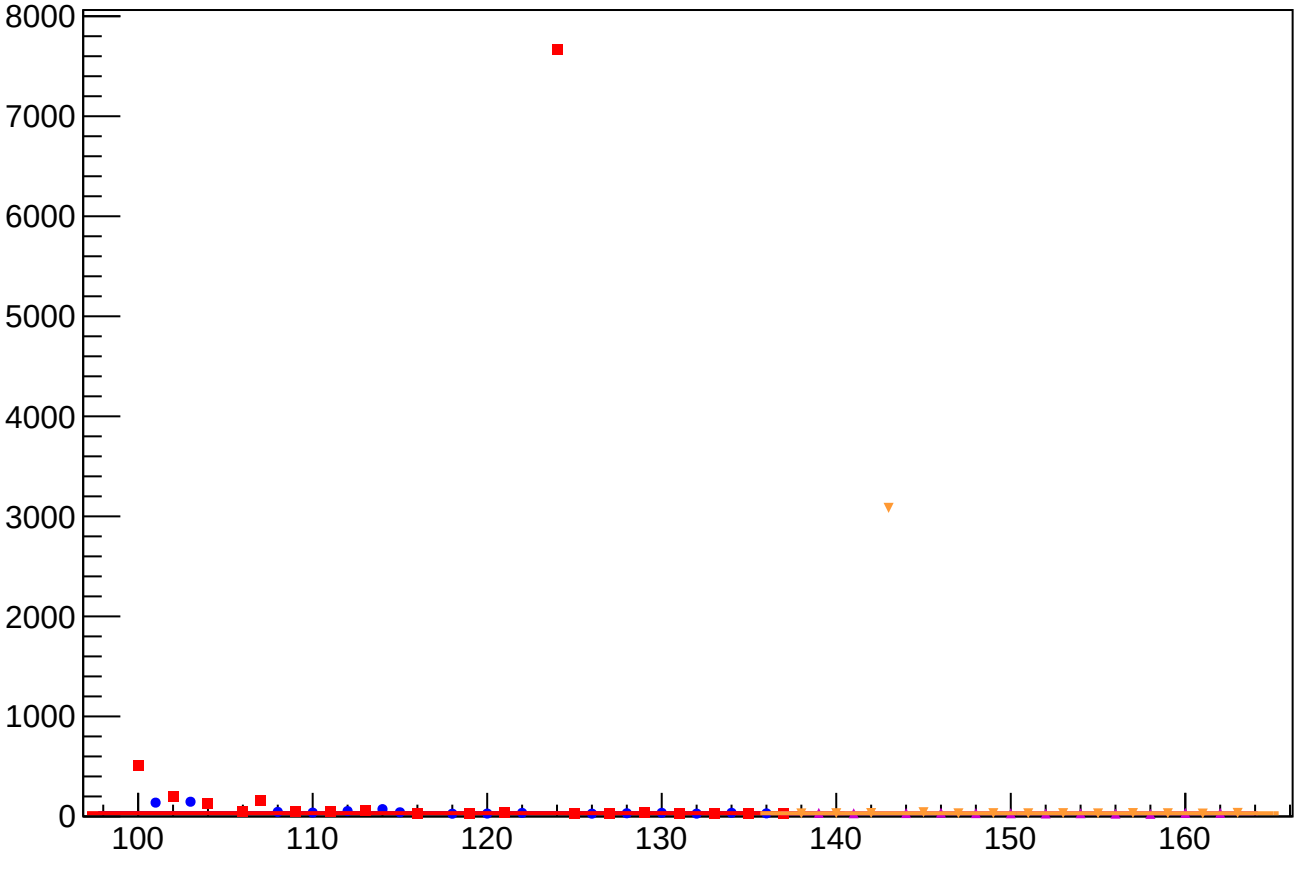
Left In: 0.004+/-0.011 χ^2/NDF:15.6/11

+ sign -0.007+/-0.009 χ^2/NDF: 38.0/29

All: -0.000+/-0.006 χ^2/NDF: 69.3/60

- sign 0.007+/-0.009 χ^2/NDF: 29.9/30

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

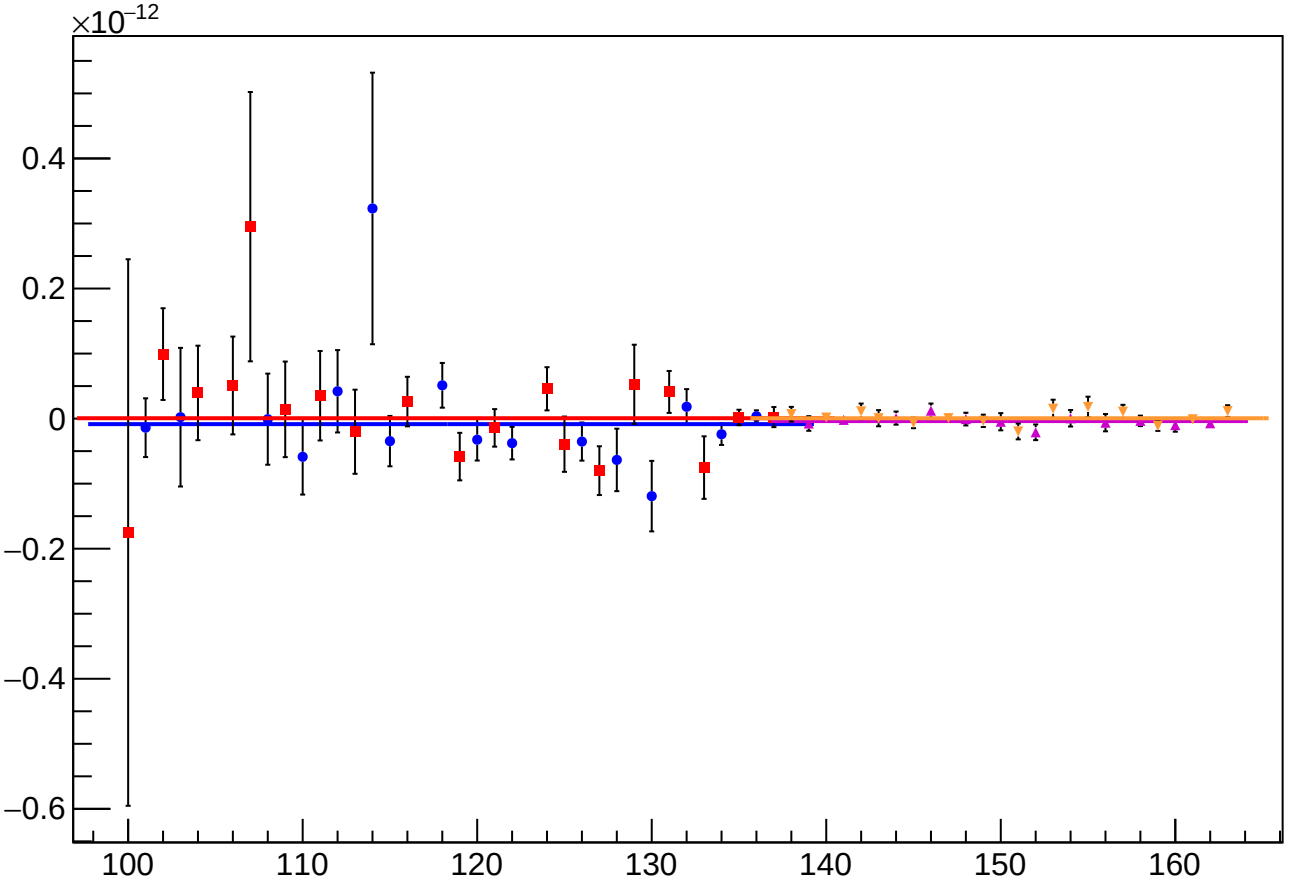
Left In: 32.284+/-0.008 χ^2/NDF:185257.0/11

+ sign 32.925+/-0.006 χ^2/NDF: 3461710.9/29

All: 32.746+/-0.004 χ^2/NDF: 5727512.2/60

- sign 32.565+/-0.006 χ^2/NDF: 2264117.6/30

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

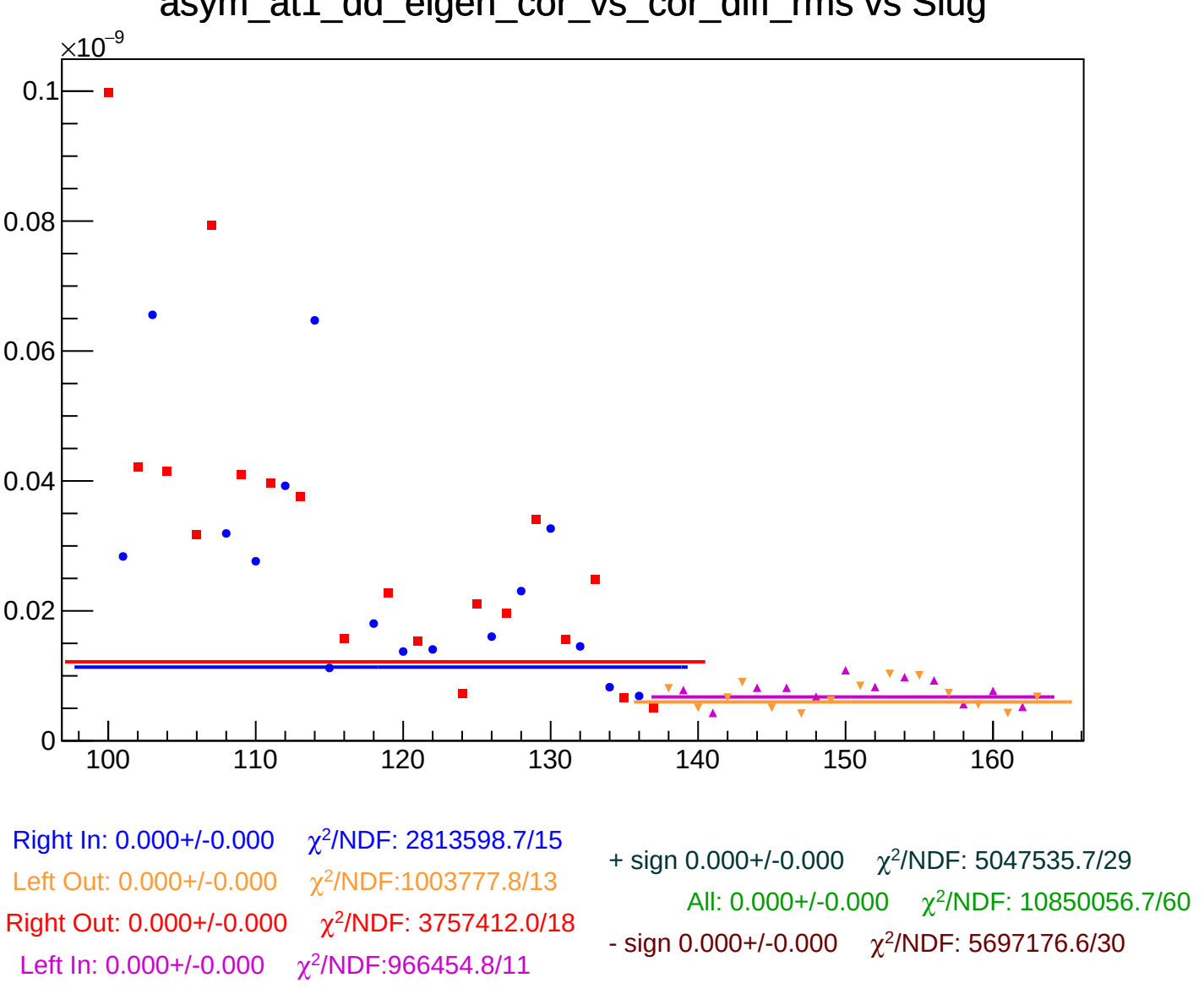
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/11

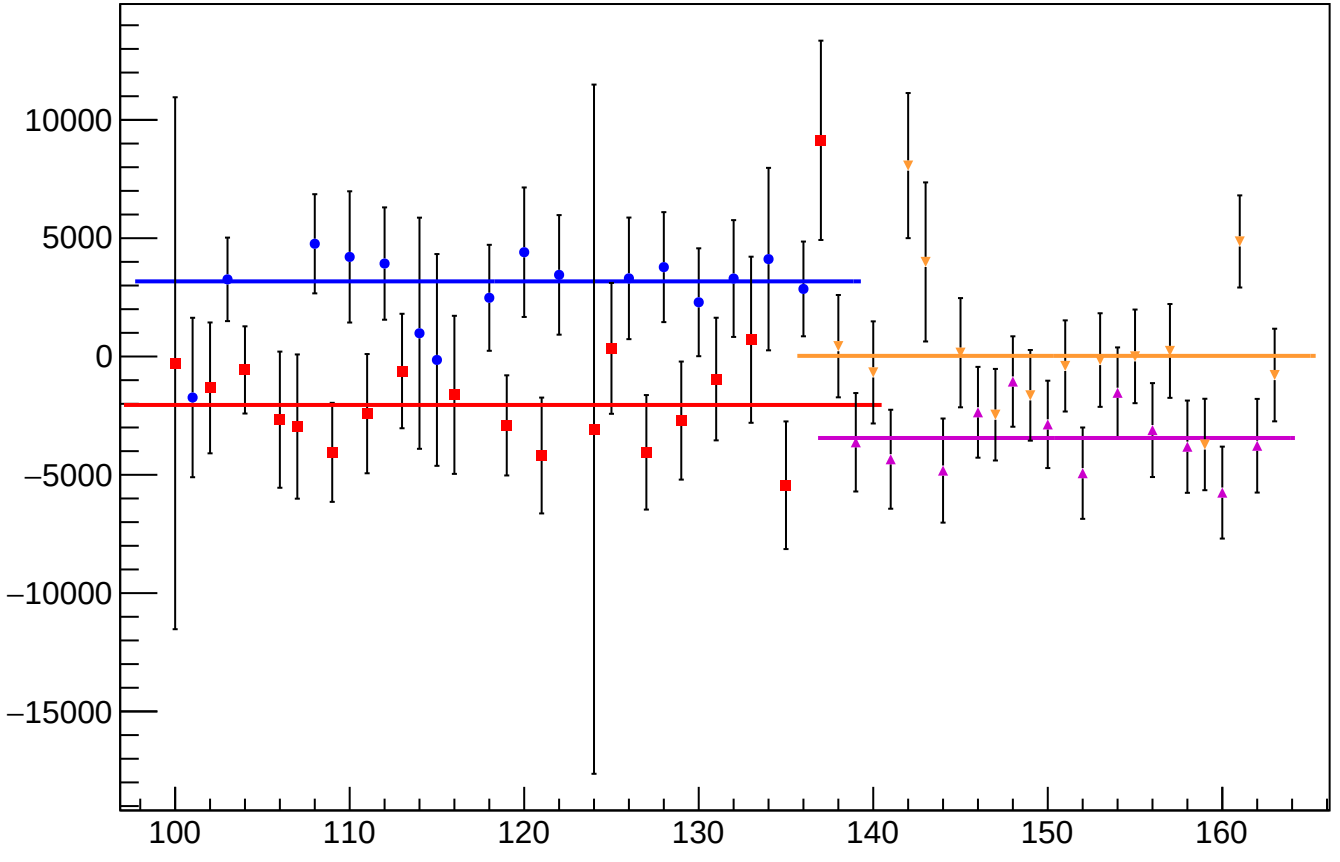
+ sign -0.000+/-0.000 χ^2/NDF: 32.9/29

All: -0.000+/-0.000 χ^2/NDF: 60.0/60

- sign -0.000+/-0.000 χ^2/NDF: 26.5/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1003777.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 3757412.0/18
Left In: 0.000+/-0.000 χ²/NDF:966454.8/11
+ sign 0.000+/-0.000 χ²/NDF: 5047535.7/29
All: 0.000+/-0.000 χ²/NDF: 10850056.7/60
- sign 0.000+/-0.000 χ²/NDF: 5697176.6/30

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.968+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

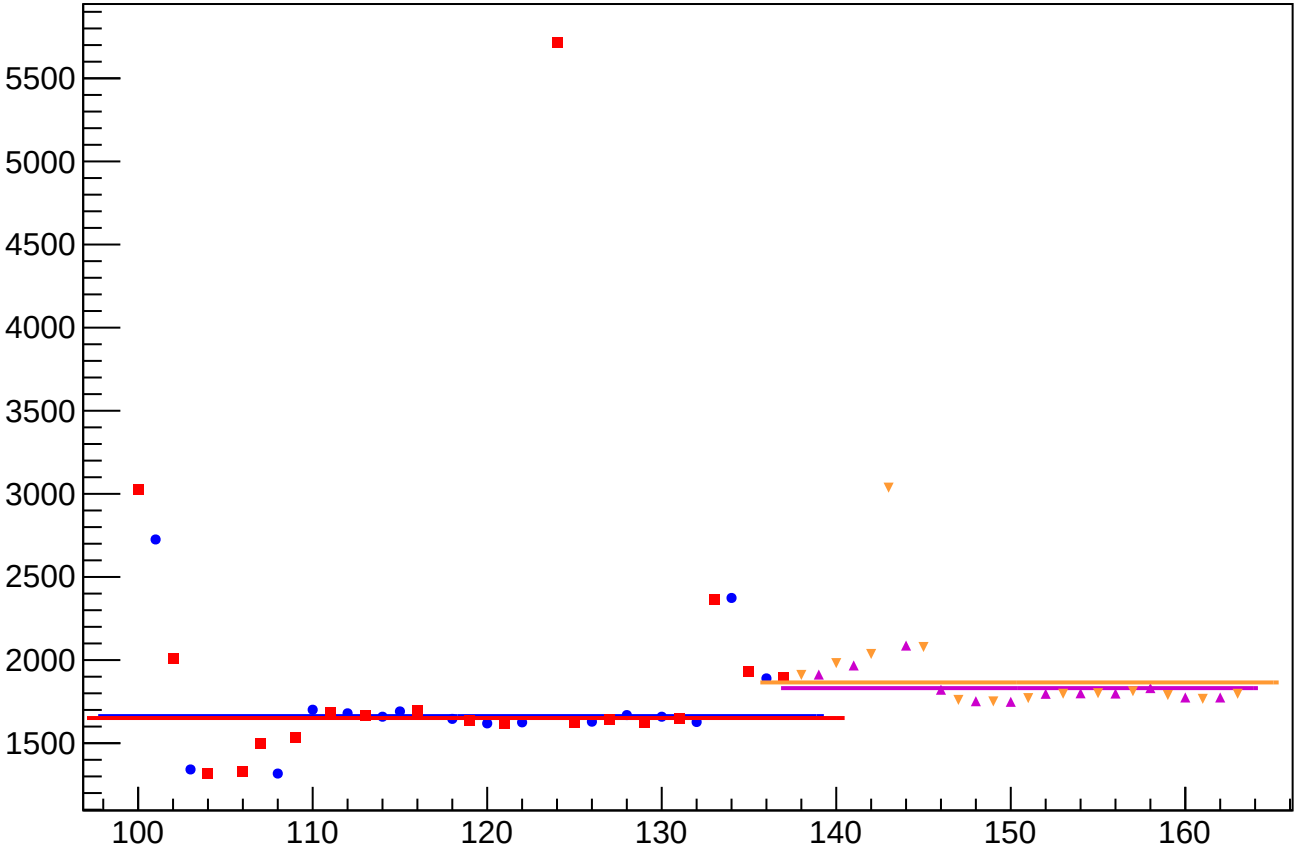
Left In: -3443.708+/-569.586 χ^2/NDF:5.7/11

+ sign 1424.243+/-418.345 χ^2/NDF: 39.3/29

All: -683.109+/-296.367 χ^2/NDF: 112.7/60

- sign -2806.296+/-419.913 χ^2/NDF: 22.4/30

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

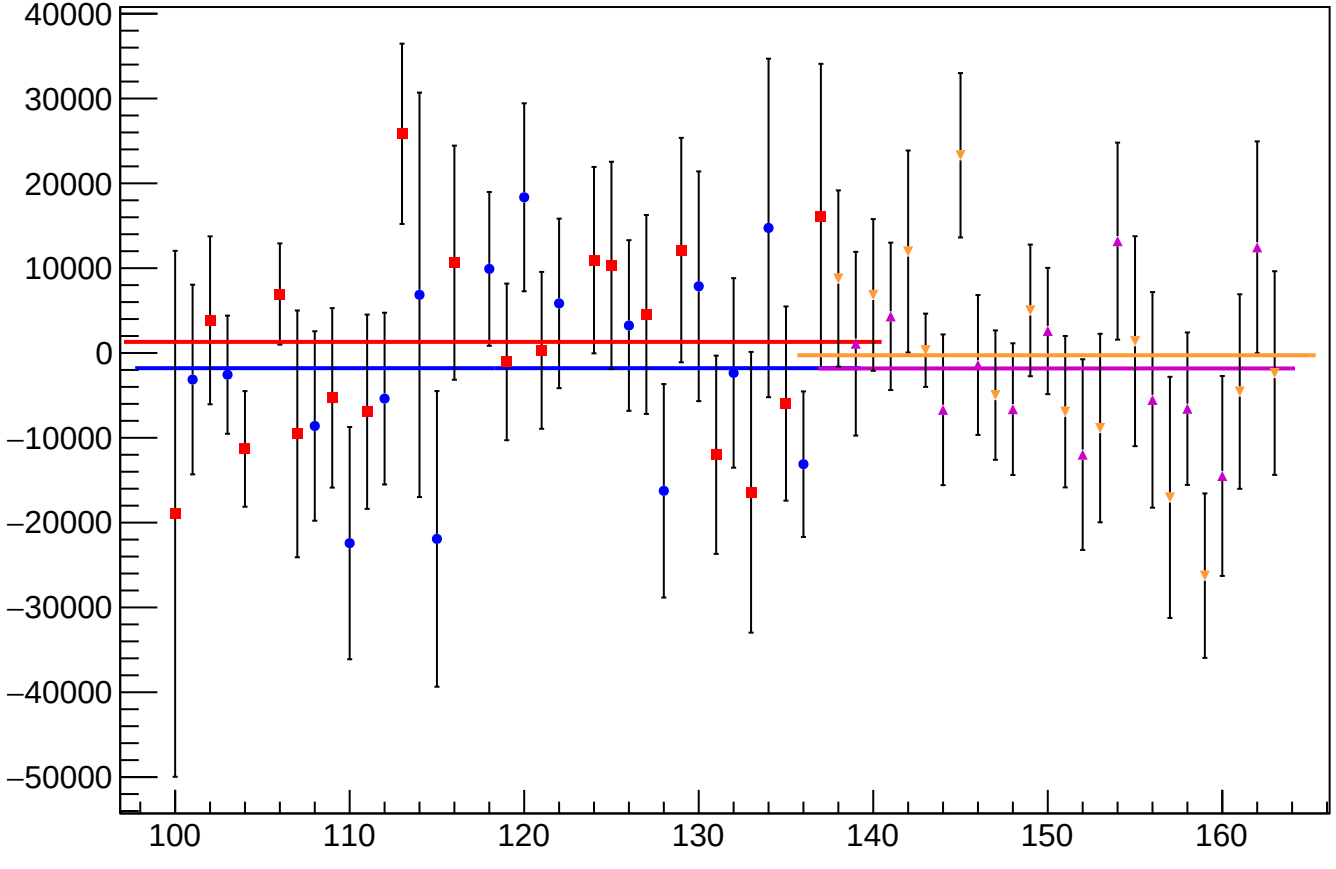
Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

+ sign 1775.557+/-0.296 χ^2/NDF: 838777.7/29

All: 1762.367+/-0.210 χ^2/NDF: 1416823.2/60

- sign 1749.077+/-0.297 χ^2/NDF: 574054.0/30

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -267.717+/-2329.869 χ^2/NDF:19.1/13

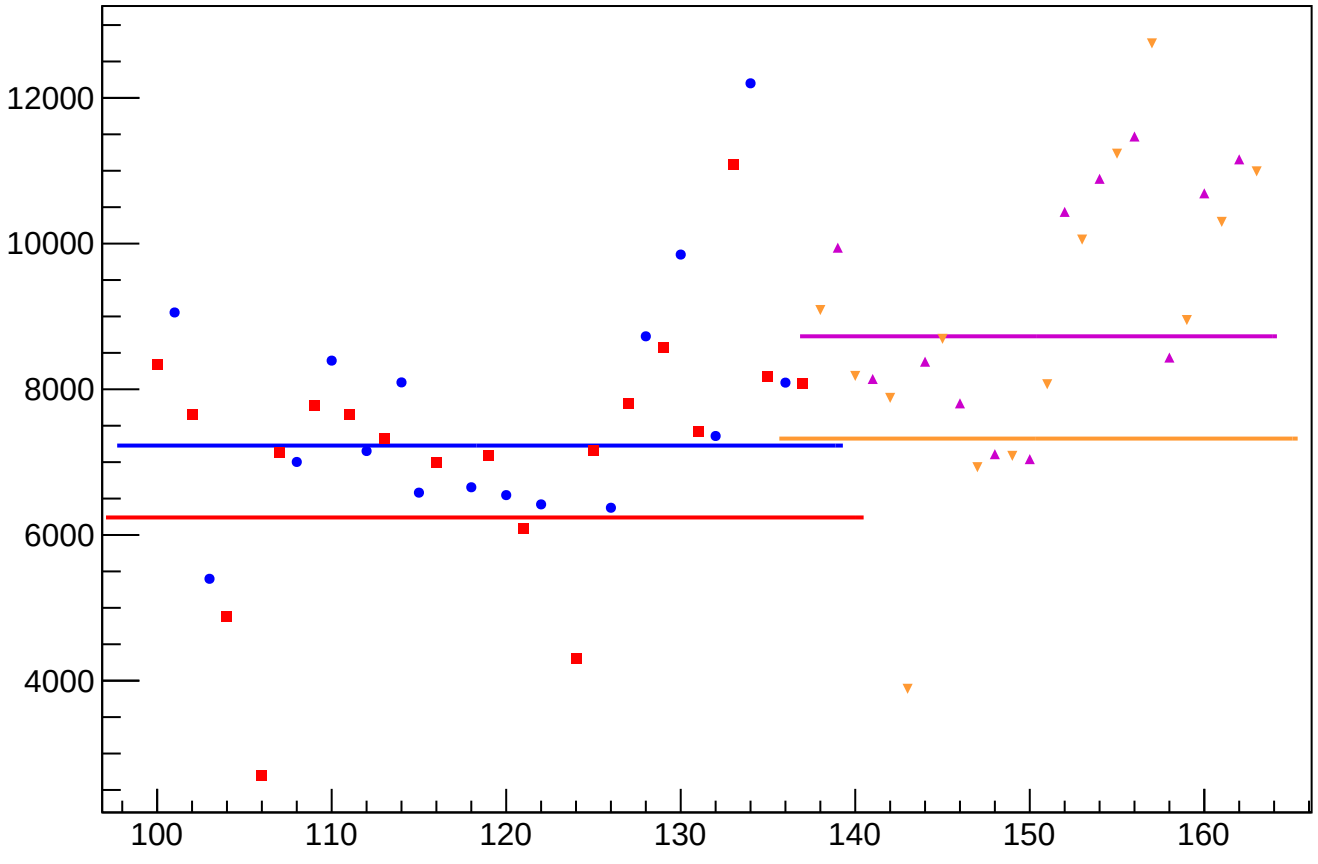
Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: -1822.913+/-2759.768 χ^2/NDF:6.9/11

+ sign -905.967+/-1775.923 χ^2/NDF: 33.6/29

All: -494.381+/-1272.357 χ^2/NDF: 59.1/60

- sign -60.304+/-1823.800 χ^2/NDF: 25.4/30



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7323.399+/-1.647 χ^2/NDF:2396602.9/13

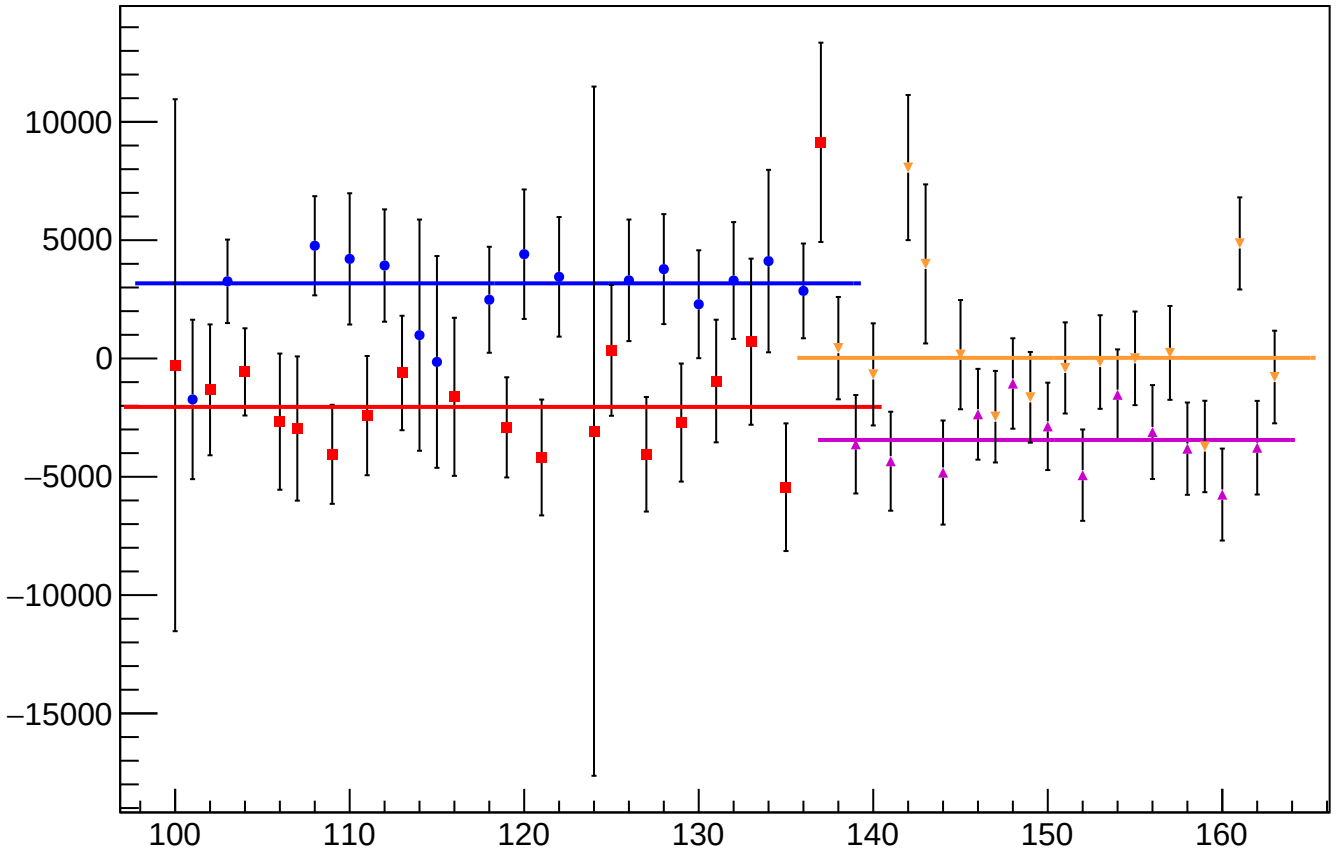
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8727.437+/-1.951 χ^2/NDF:593713.6/11

+ sign 7283.256+/-1.256 χ^2/NDF: 2901280.8/29

All: 7304.373+/-0.900 χ^2/NDF: 5809427.1/60

- sign 7326.643+/-1.290 χ^2/NDF: 2907565.2/30



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

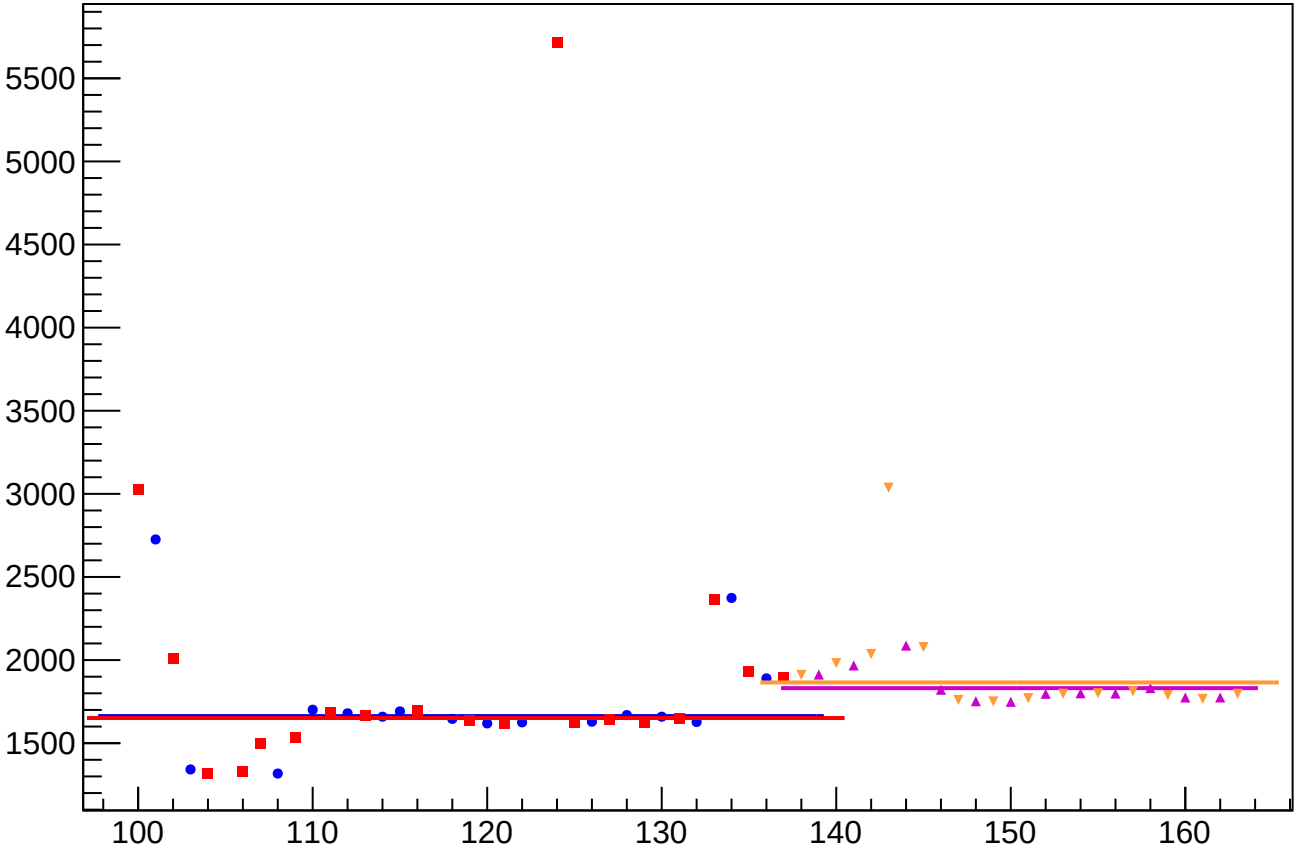
Left In: -3443.767+/-569.586 χ^2/NDF:5.6/11

+ sign 1424.227+/-418.345 χ^2/NDF: 39.3/29

All: -683.089+/-296.367 χ^2/NDF: 112.7/60

- sign -2806.240+/-419.913 χ^2/NDF: 22.4/30

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

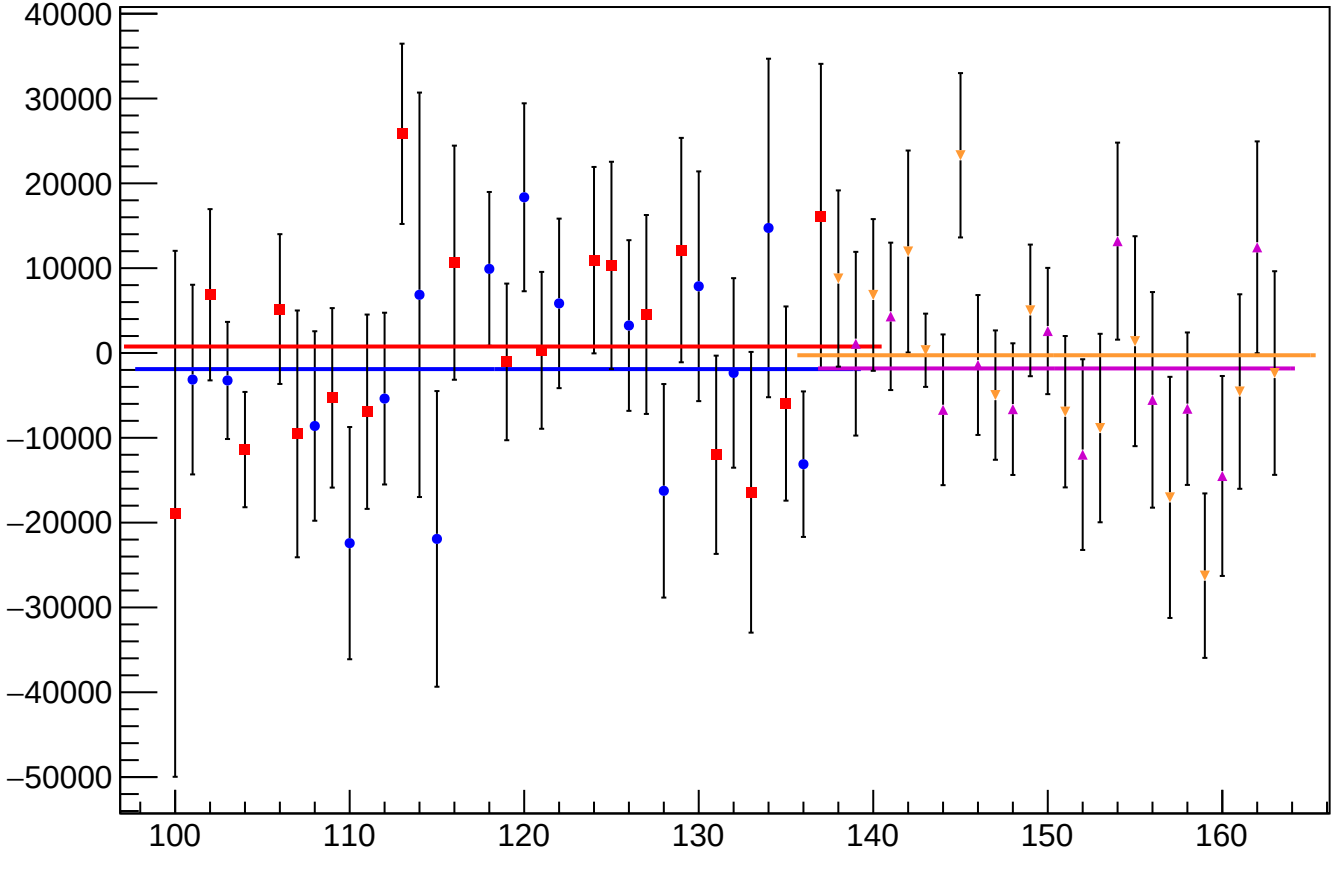
Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

+ sign 1775.557+/-0.296 χ^2/NDF: 838778.2/29

All: 1762.367+/-0.210 χ^2/NDF: 1416824.0/60

- sign 1749.077+/-0.297 χ^2/NDF: 574054.2/30

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

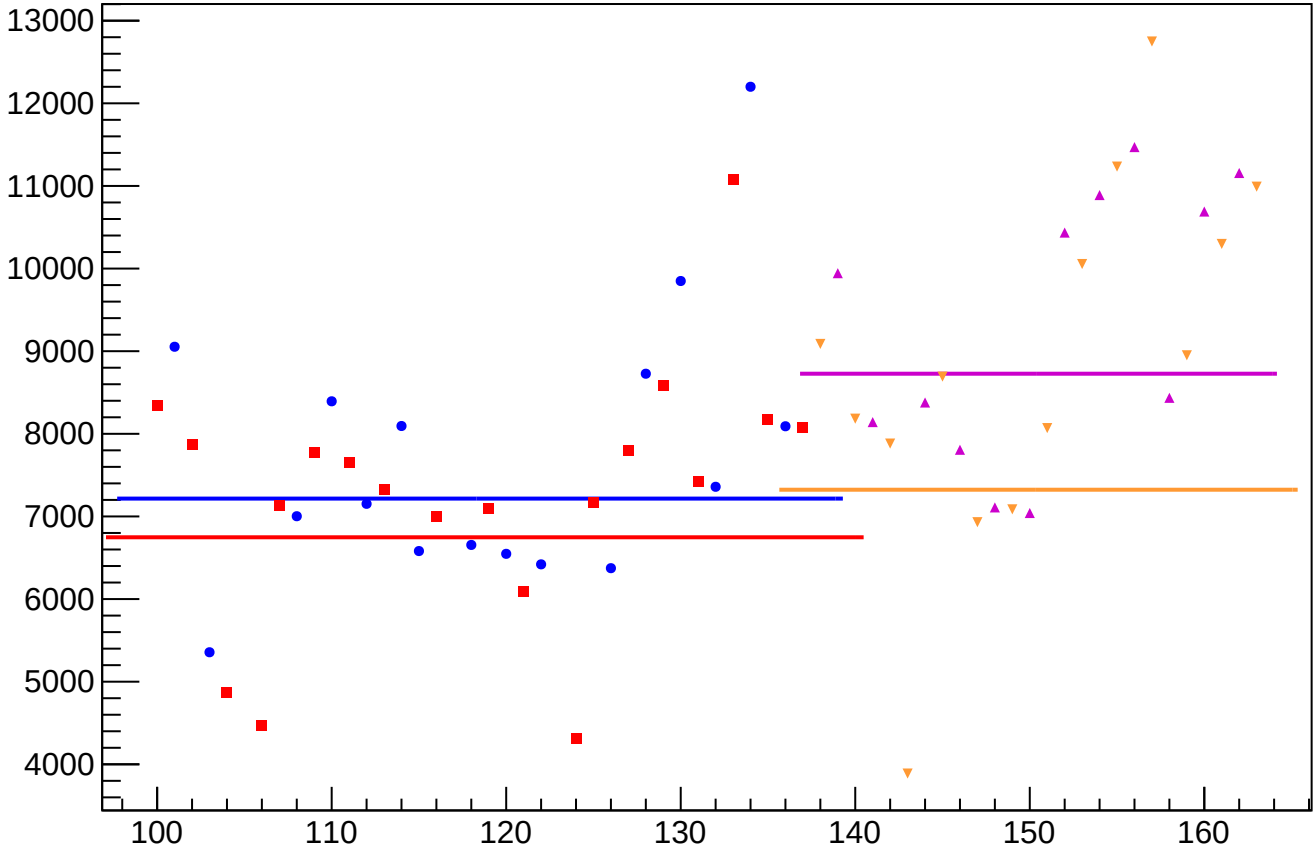
Left In: -1823.024+/-2759.767 χ^2/NDF:6.9/11

\+ sign -952.790+/-1774.925 χ^2/NDF: 33.7/29

All: -704.591+/-1288.297 χ^2/NDF: 58.4/60

\- sign -428.243+/-1872.873 χ^2/NDF: 24.7/30

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

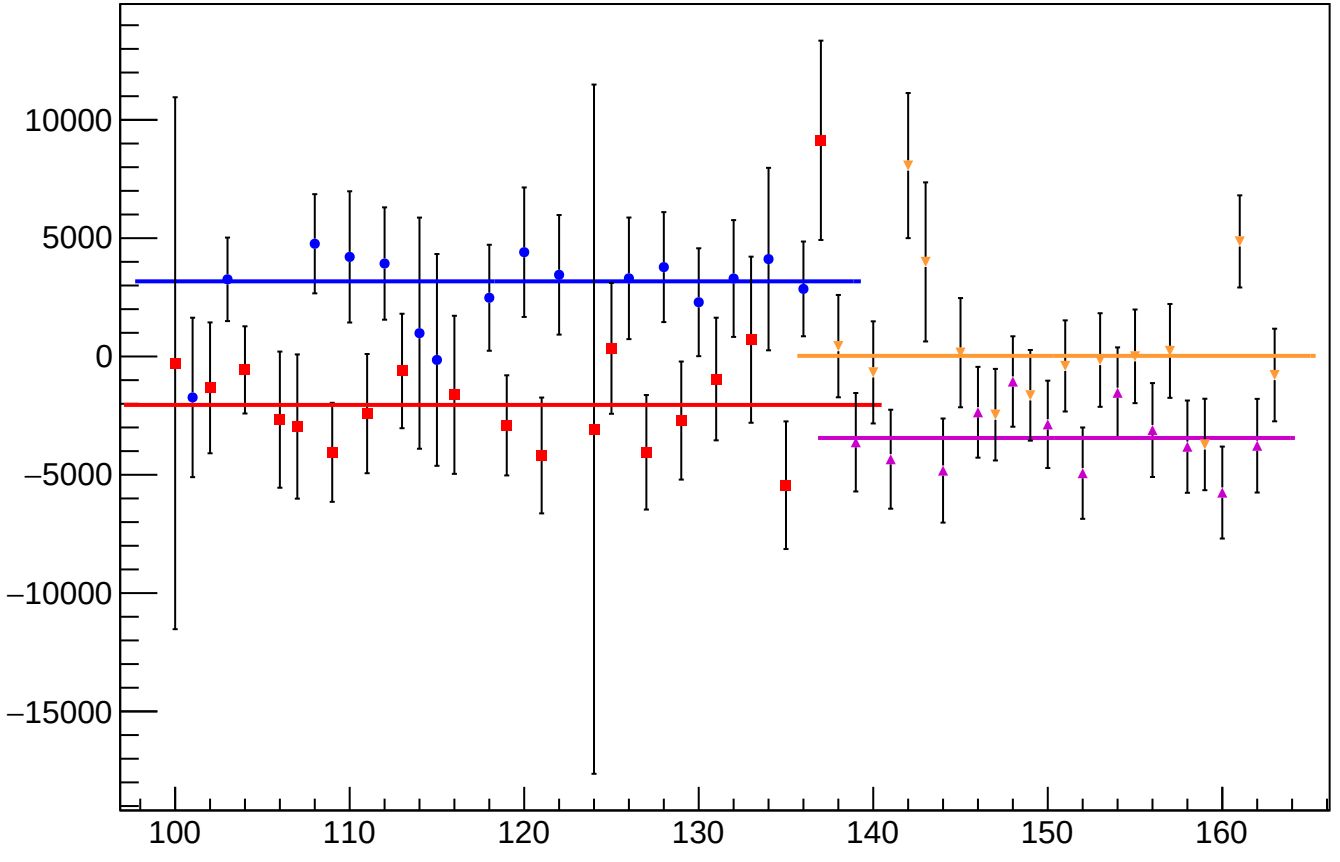
Left In: 8727.432+/-1.951 χ^2/NDF:593717.1/11

\+ sign 7278.322+/-1.255 χ^2/NDF: 2910565.1/29

All: 7458.671+/-0.911 χ^2/NDF: 4811900.5/60

\- sign 7659.475+/-1.324 χ^2/NDF: 1857695.4/30

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

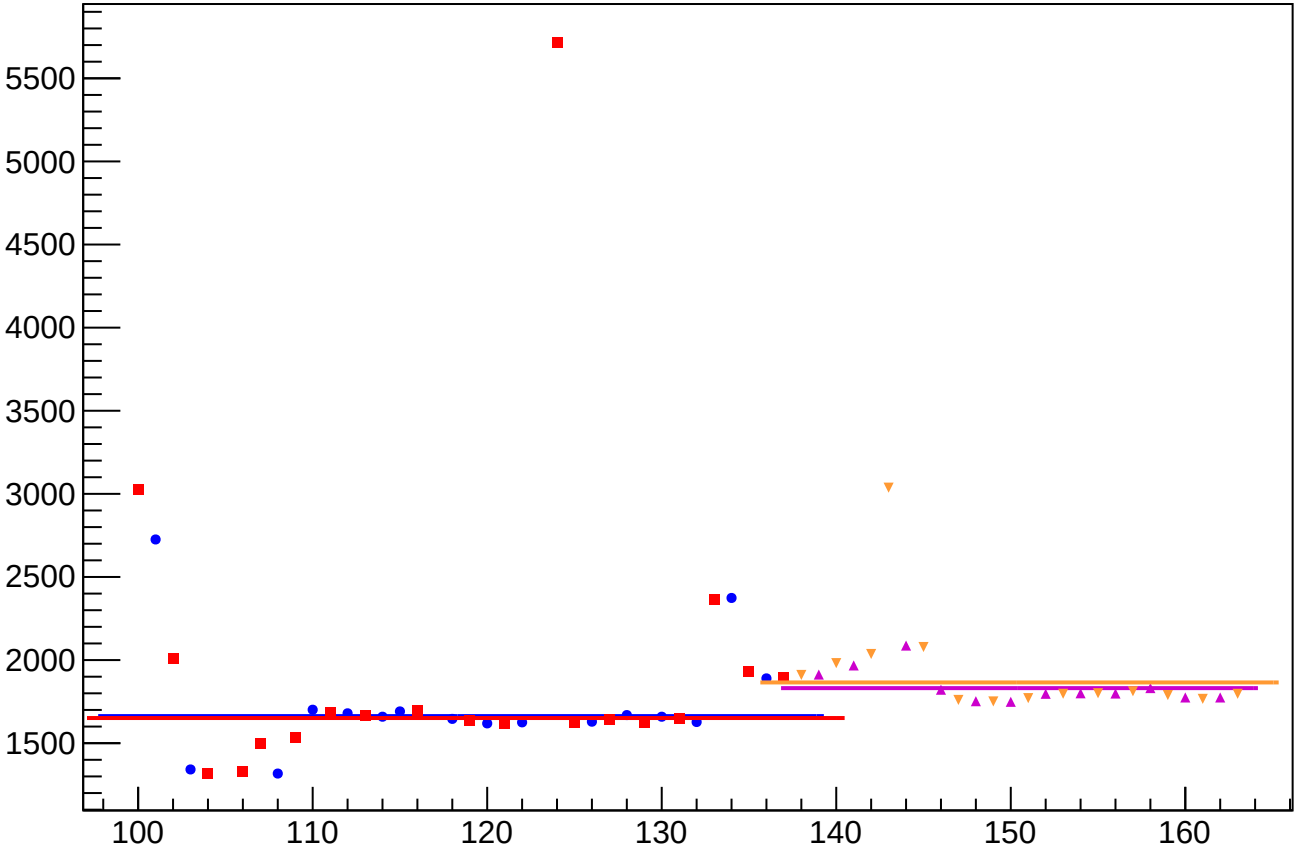
Left In: -3443.767+/-569.586 χ^2/NDF:5.6/11

+ sign 1424.227+/-418.345 χ^2/NDF: 39.3/29

All: -683.089+/-296.367 χ^2/NDF: 112.7/60

- sign -2806.240+/-419.913 χ^2/NDF: 22.4/30

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

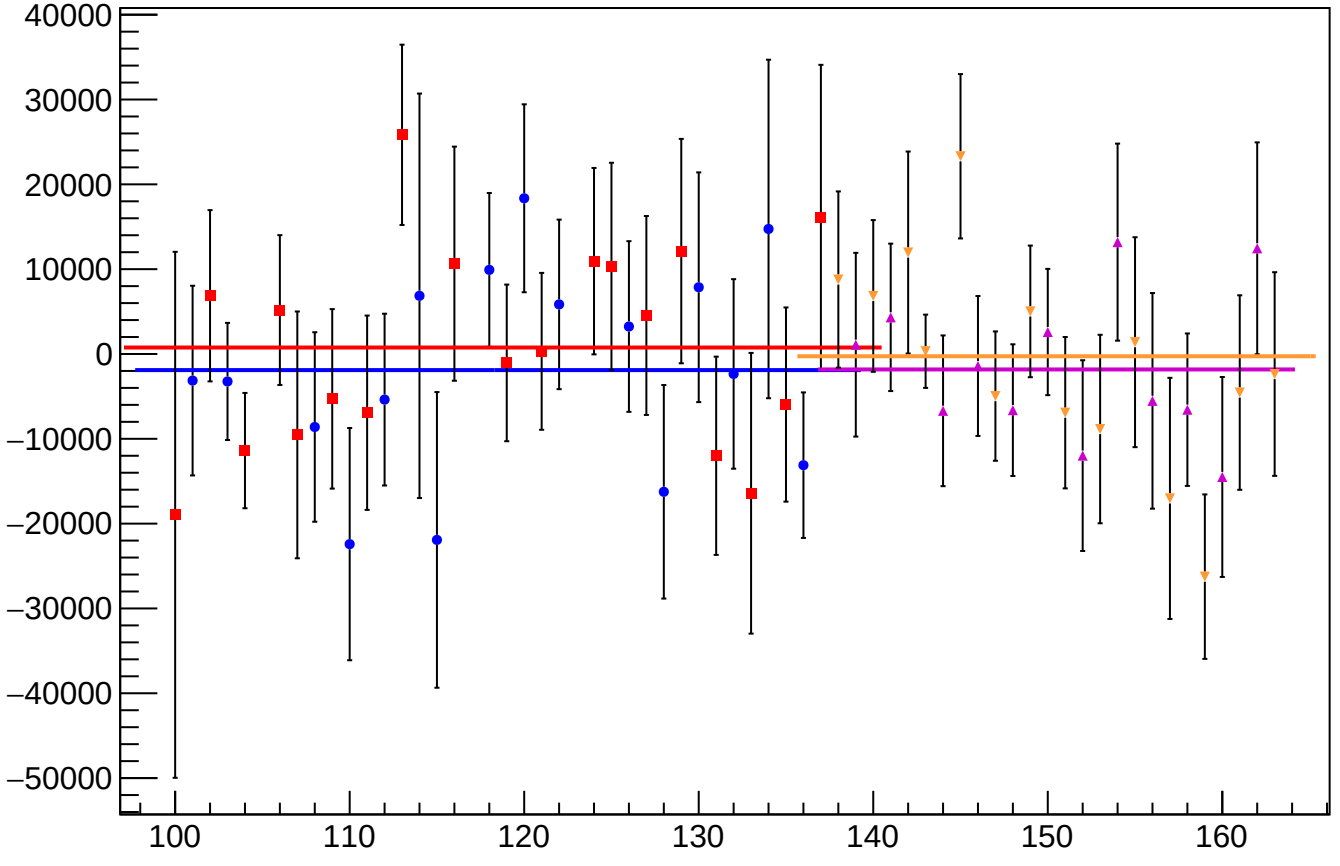
Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

+ sign 1775.557+/-0.296 χ^2/NDF: 838778.2/29

All: 1762.367+/-0.210 χ^2/NDF: 1416824.0/60

- sign 1749.077+/-0.297 χ^2/NDF: 574054.2/30

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

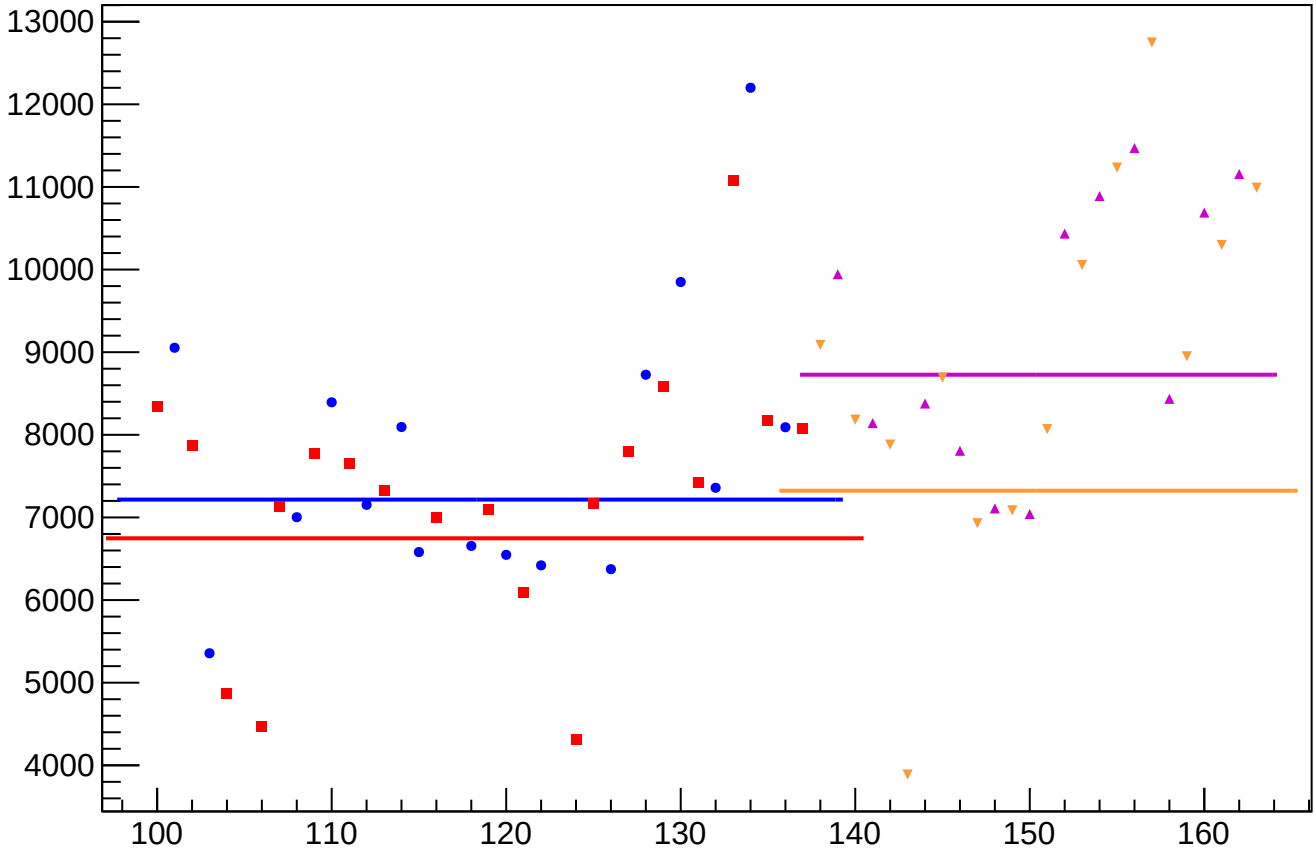
Left In: -1823.024+/-2759.767 χ^2/NDF:6.9/11

+ sign -952.790+/-1774.925 χ^2/NDF: 33.7/29

All: -704.591+/-1288.297 χ^2/NDF: 58.4/60

- sign -428.243+/-1872.873 χ^2/NDF: 24.7/30

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

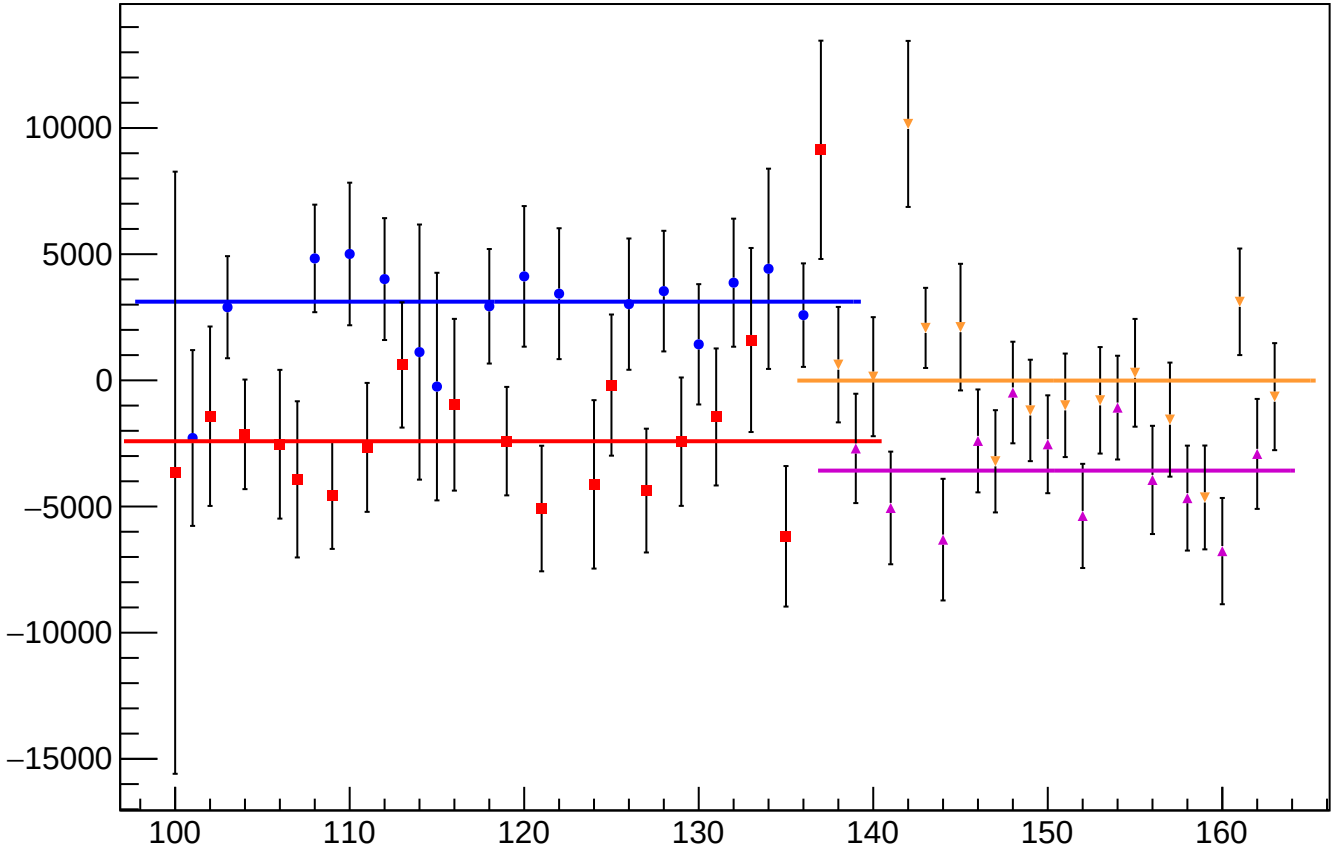
Left In: 8727.432+/-1.951 χ^2/NDF:593717.1/11

\+ sign 7278.322+/-1.255 χ^2/NDF: 2910565.1/29

All: 7458.671+/-0.911 χ^2/NDF: 4811900.5/60

\- sign 7659.475+/-1.324 χ^2/NDF: 1857695.4/30

dit_asym_at2_avg_mean vs Slug



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: -8.997+/-570.745 χ^2/NDF:23.1/13

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

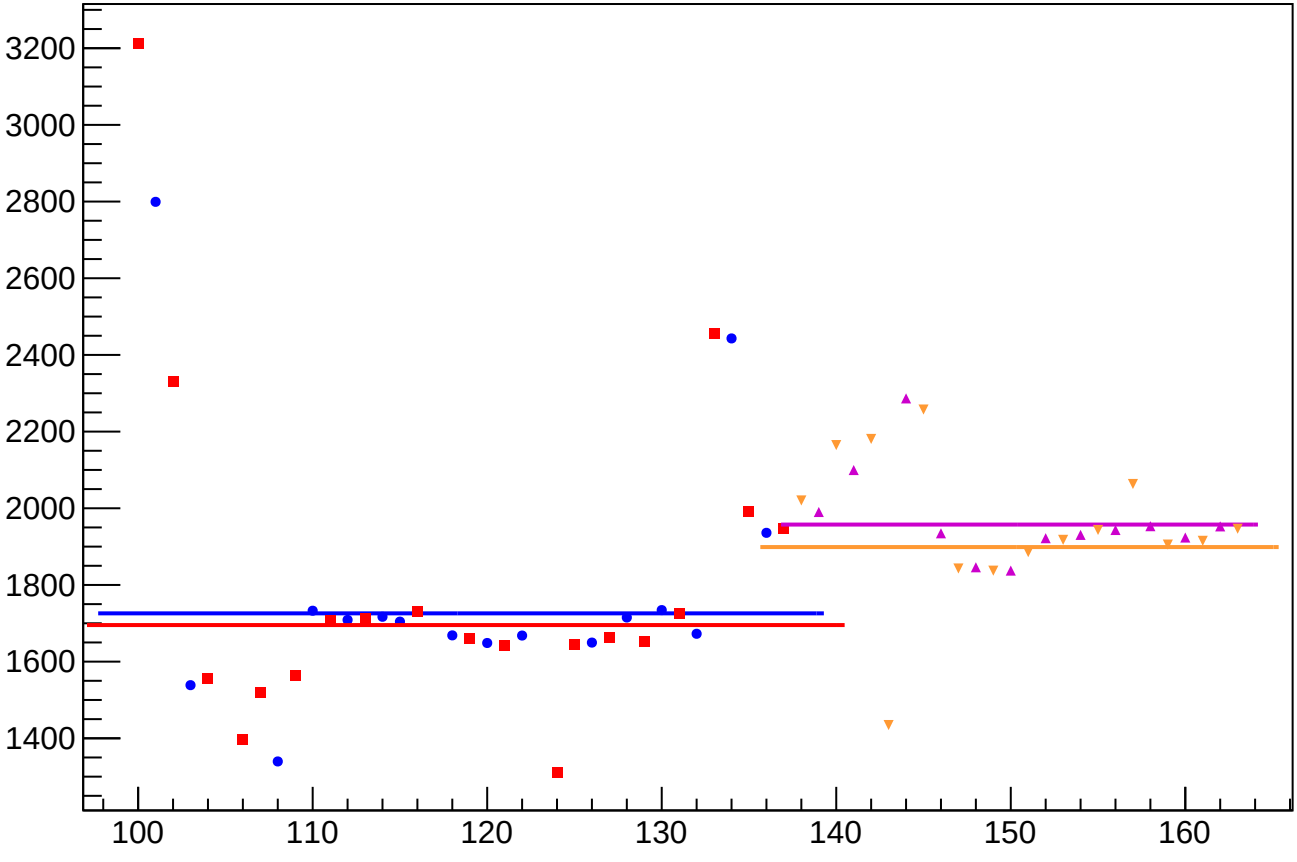
Left In: -3576.853+/-609.168 χ^2/NDF:9.8/11

+ sign 1349.643+/-429.197 χ^2/NDF: 41.5/29

All: -777.522+/-307.550 χ^2/NDF: 119.5/60

- sign -3022.493+/-440.922 χ^2/NDF: 27.5/30

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1898.815+/-0.404 χ^2/NDF:273847.5/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

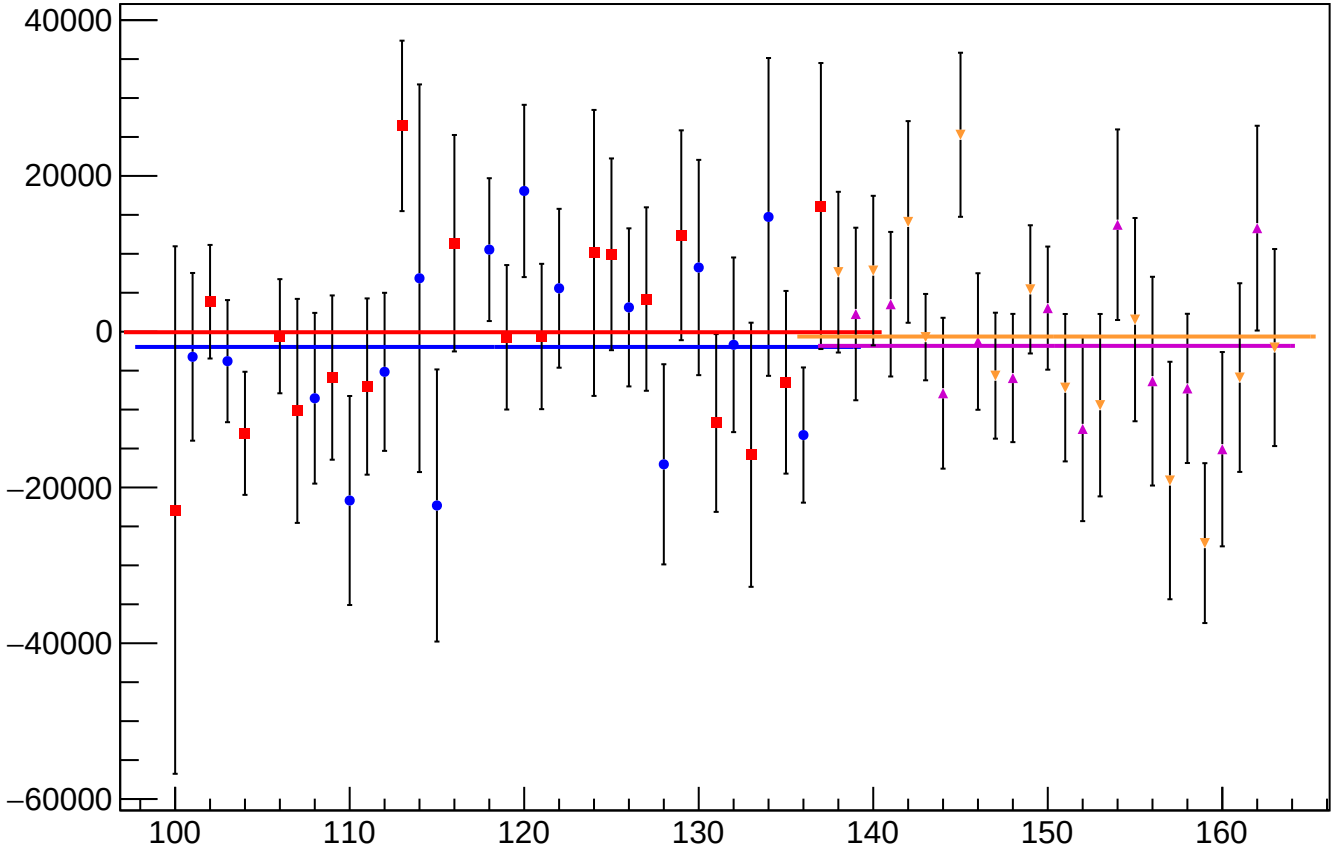
Left In: 1957.505+/-0.431 χ^2/NDF:61451.9/11

+ sign 1823.687+/-0.303 χ^2/NDF: 719240.1/29

All: 1828.055+/-0.217 χ^2/NDF: 1243105.9/60

- sign 1832.662+/-0.312 χ^2/NDF: 523440.2/30

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -622.697+/-2590.504 χ^2/NDF:19.1/13

Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

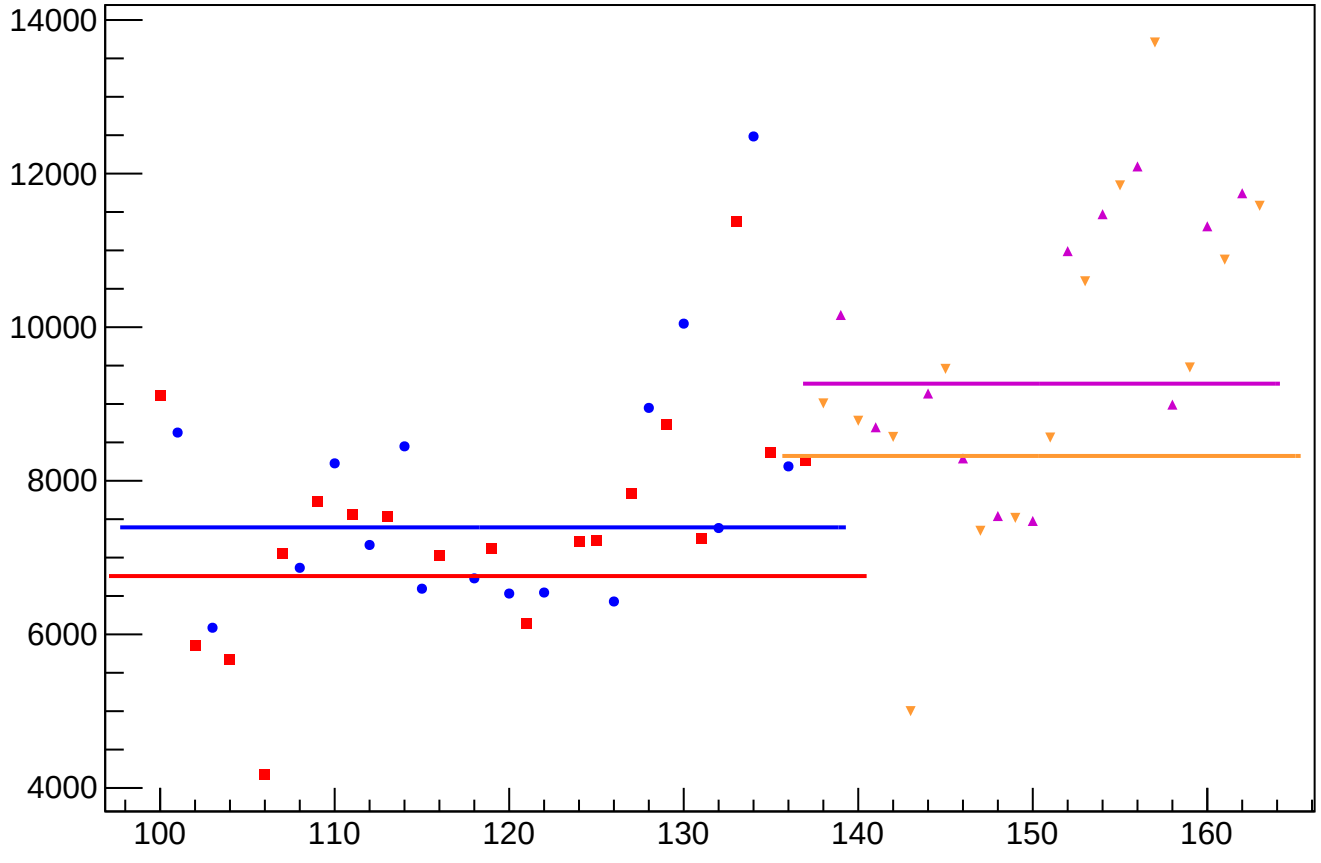
Left In: -1820.721+/-2927.388 χ^2/NDF:6.8/11

+ sign -1239.191+/-1900.987 χ^2/NDF: 33.6/29

All: -1029.699+/-1348.769 χ^2/NDF: 56.8/60

- sign -817.336+/-1913.974 χ^2/NDF: 23.1/30

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8323.349+/-1.832 χ^2/NDF:1522937.6/13

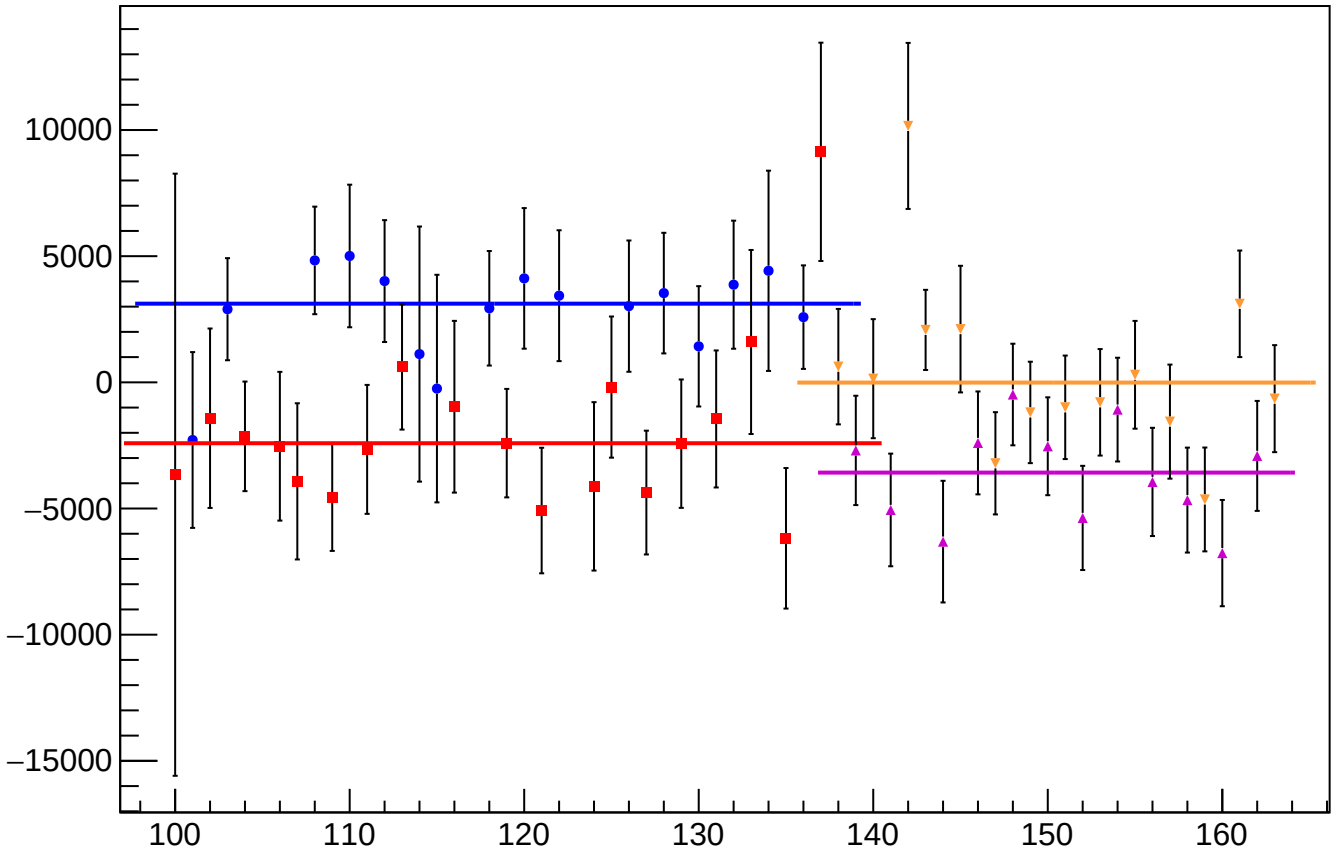
Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9264.595+/-2.070 χ^2/NDF:558913.2/11

+ sign 7894.285+/-1.344 χ^2/NDF: 2043652.6/29

All: 7862.524+/-0.954 χ^2/NDF: 4086546.2/60

- sign 7830.327+/-1.353 χ^2/NDF: 2041769.3/30



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: -9.012+/-570.746 χ^2/NDF:23.1/13

Right Out: -2412.481+/-639.018 χ^2/NDF: 16.0/18

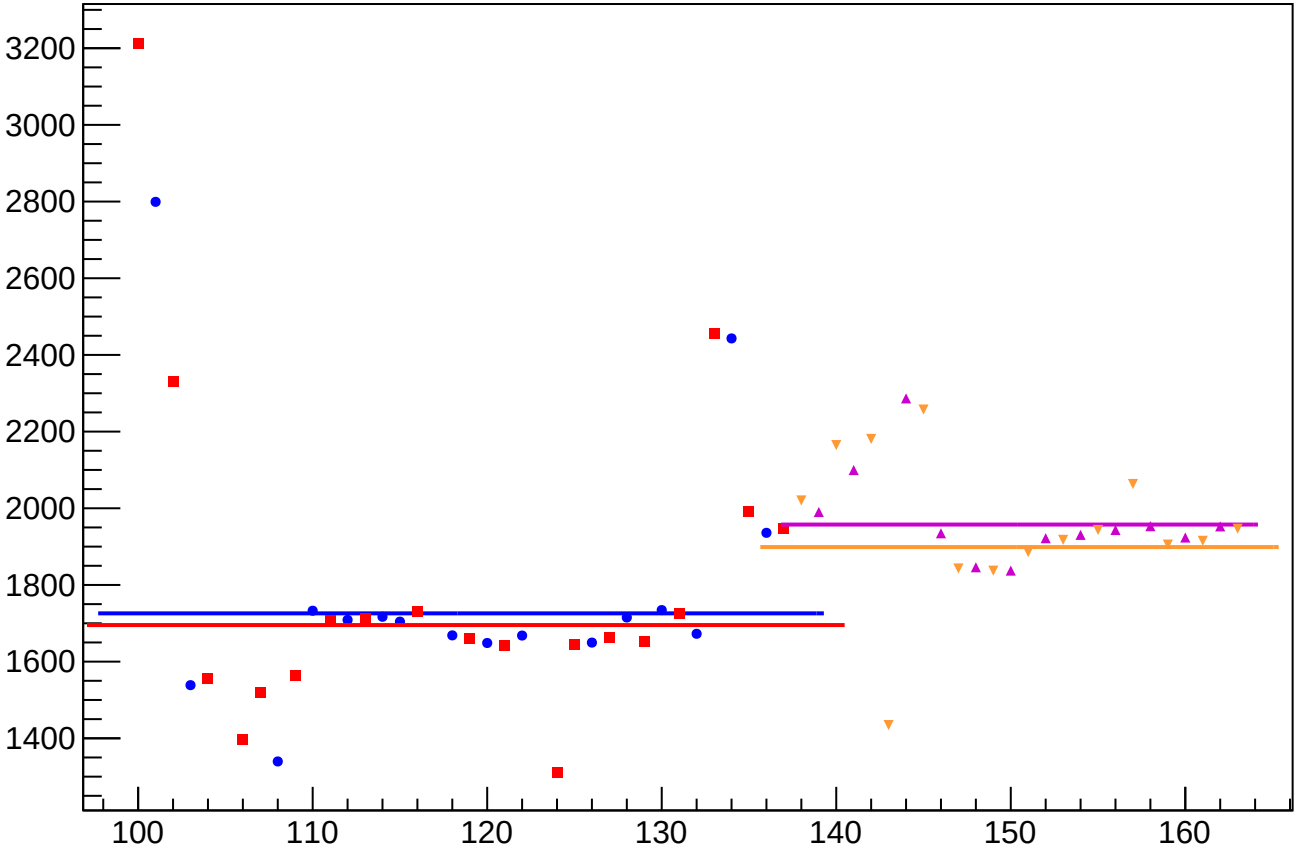
Left In: -3576.851+/-609.169 χ^2/NDF:9.8/11

+ sign 1349.639+/-429.198 χ^2/NDF: 41.5/29

All: -777.526+/-307.550 χ^2/NDF: 119.5/60

- sign -3022.495+/-440.922 χ^2/NDF: 27.5/30

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1898.818+/-0.404 χ^2/NDF:273848.8/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

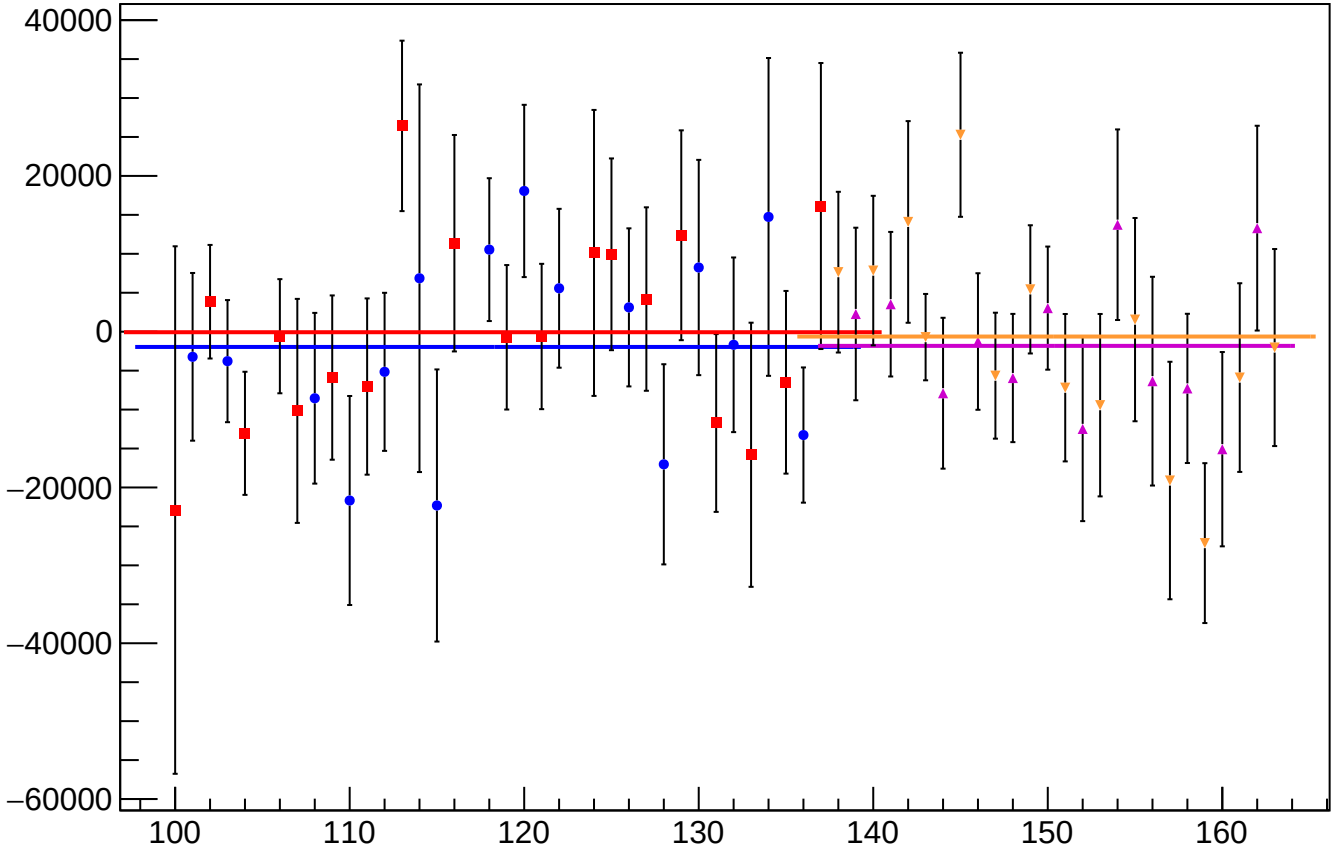
Left In: 1957.509+/-0.431 χ^2/NDF:61452.1/11

+ sign 1823.689+/-0.303 χ^2/NDF: 719245.0/29

All: 1828.056+/-0.217 χ^2/NDF: 1243116.1/60

- sign 1832.664+/-0.312 χ^2/NDF: 523445.5/30

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: -622.707+/-2590.508 χ^2/NDF:19.1/13

Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

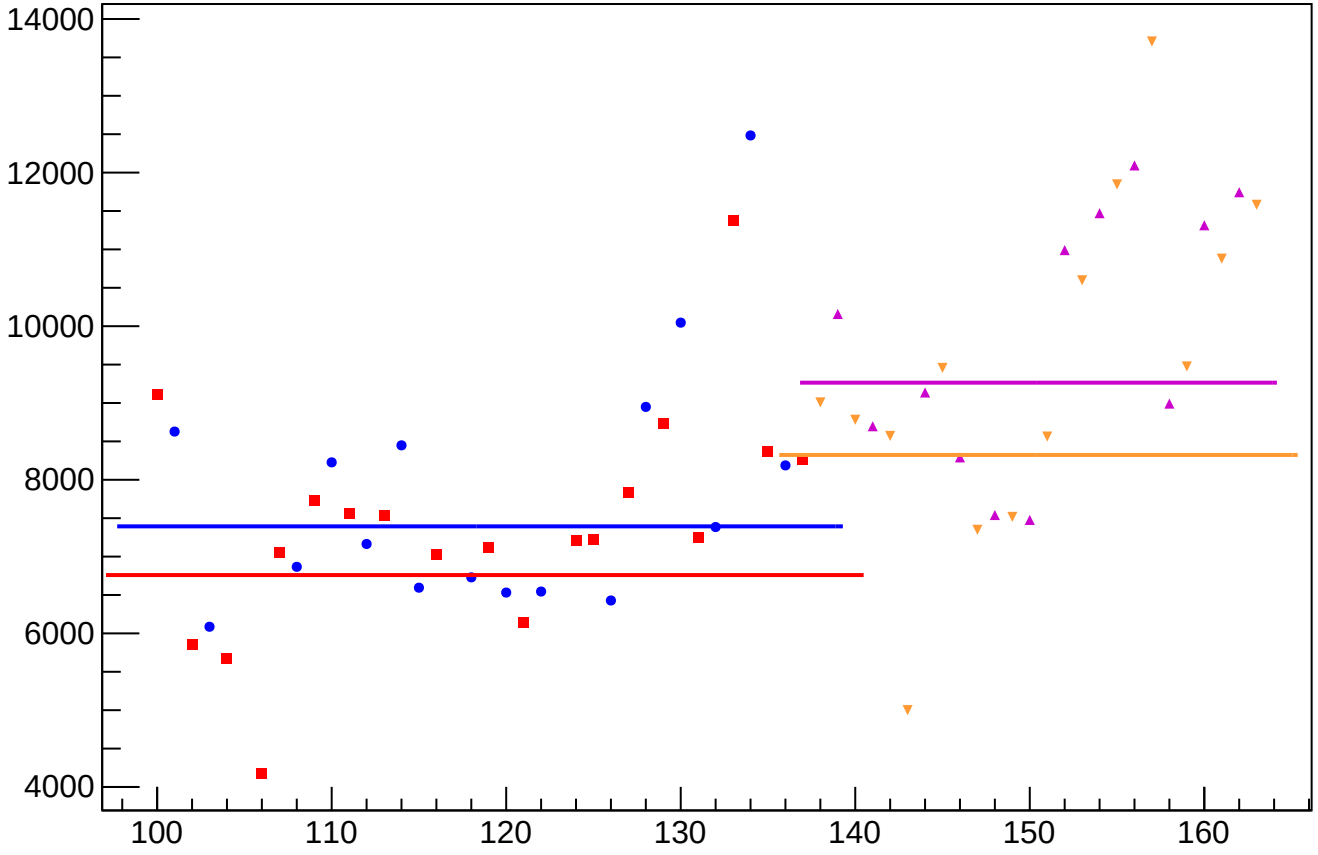
Left In: -1820.721+/-2927.391 χ^2/NDF:6.8/11

+ sign -1239.189+/-1900.986 χ^2/NDF: 33.6/29

All: -1029.699+/-1348.768 χ^2/NDF: 56.8/60

- sign -817.337+/-1913.973 χ^2/NDF: 23.1/30

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8323.361+/-1.832 χ^2/NDF:1522937.6/13

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

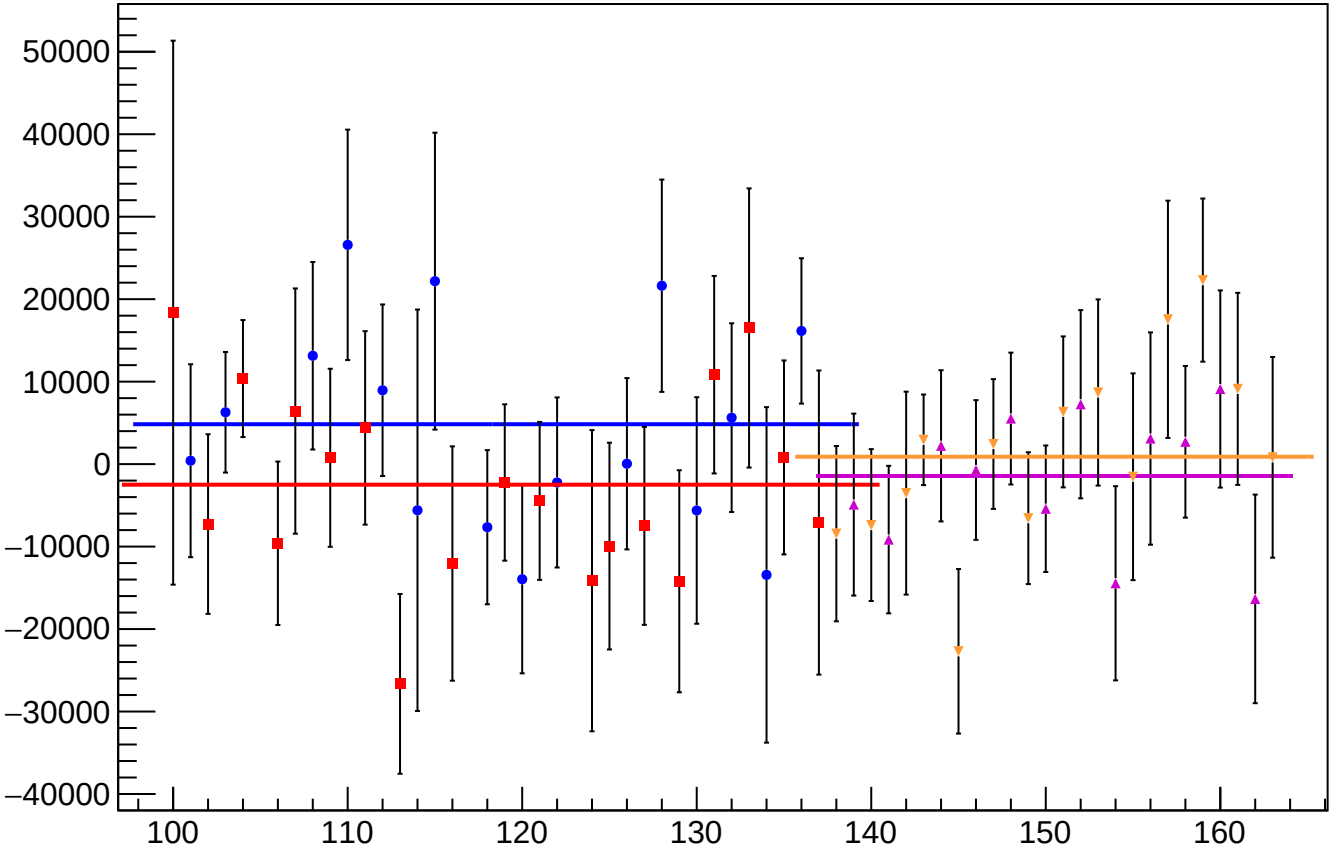
Left In: 9264.608+/-2.070 χ^2/NDF:558914.0/11

+ sign 7894.282+/-1.344 χ^2/NDF: 2043662.7/29

All: 7862.518+/-0.954 χ^2/NDF: 4086574.1/60

- sign 7830.320+/-1.353 χ^2/NDF: 2041787.0/30

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 895.239+/-2518.964 χ^2/NDF:15.7/13

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

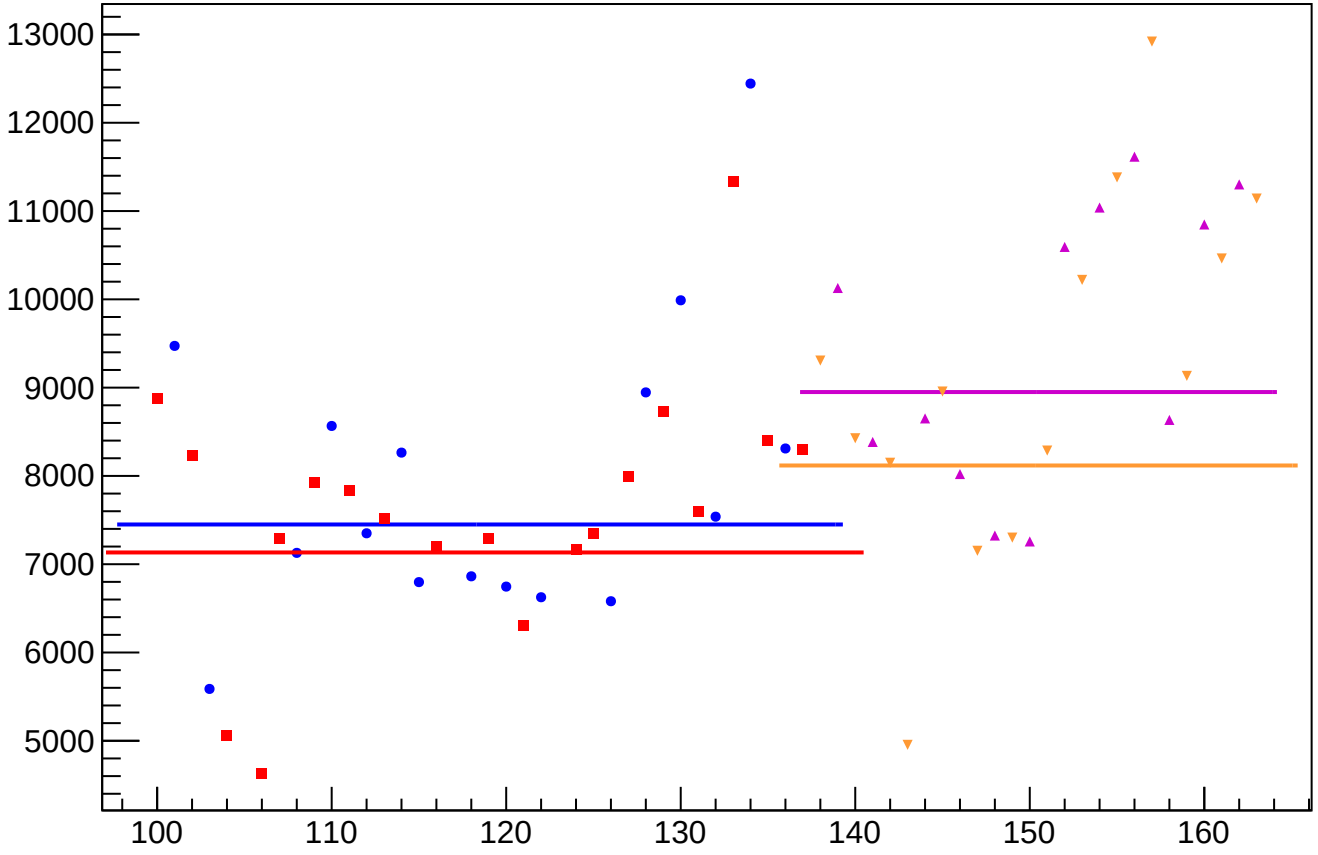
Left In: -1437.849+/-2826.276 χ^2/NDF:6.3/11

+ sign 2638.790+/-1881.253 χ^2/NDF: 31.2/29

All: 407.243+/-1354.103 χ^2/NDF: 55.4/60

- sign -1991.884+/-1950.612 χ^2/NDF: 21.3/30

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8118.189+/-1.781 χ^2/NDF:1410511.9/13

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

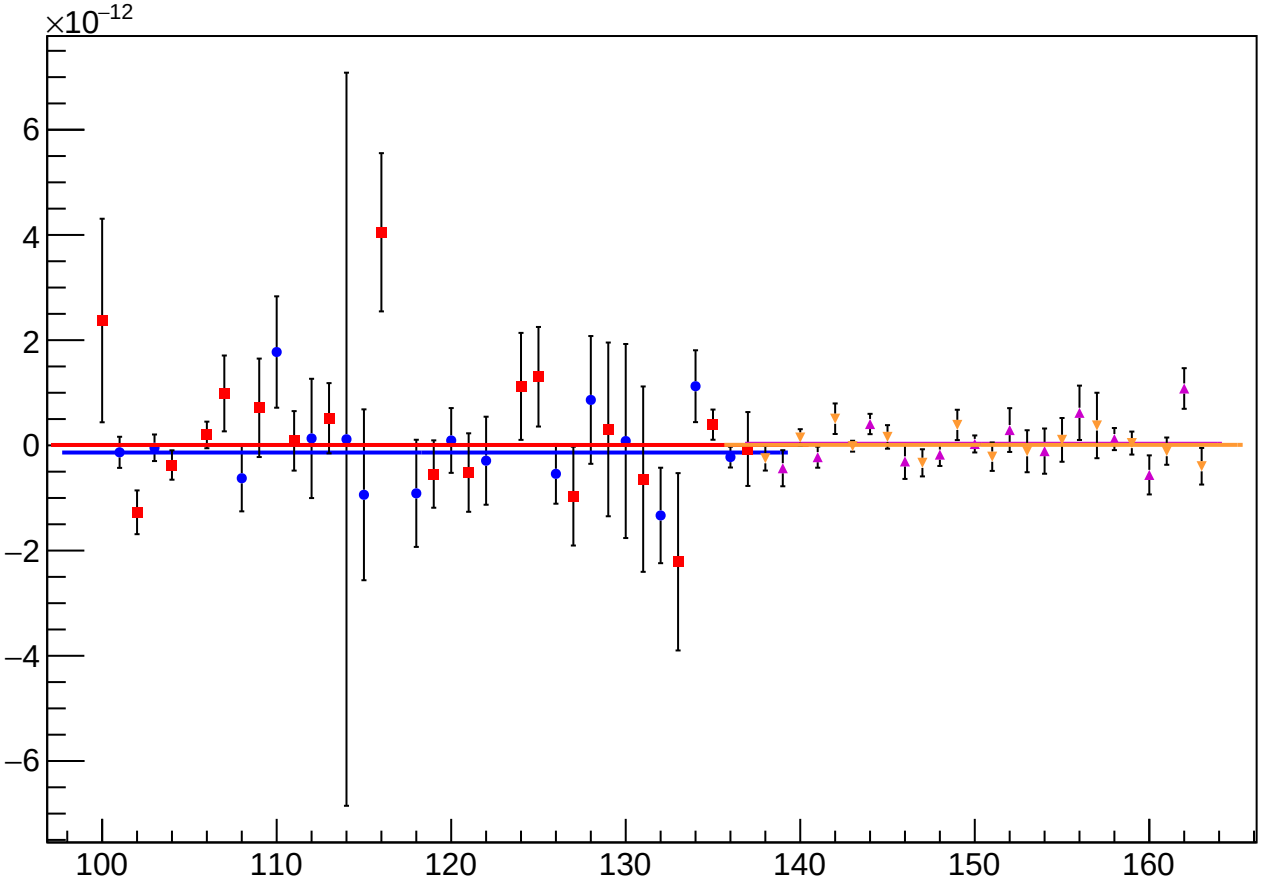
Left In: 8949.975+/-1.998 χ^2/NDF:549167.9/11

\+ sign 7822.683+/-1.330 χ^2/NDF: 1959178.5/29

All: 7907.406+/-0.957 χ^2/NDF: 3506595.5/60

\- sign 7998.486+/-1.379 χ^2/NDF: 1538999.8/30

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:11.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

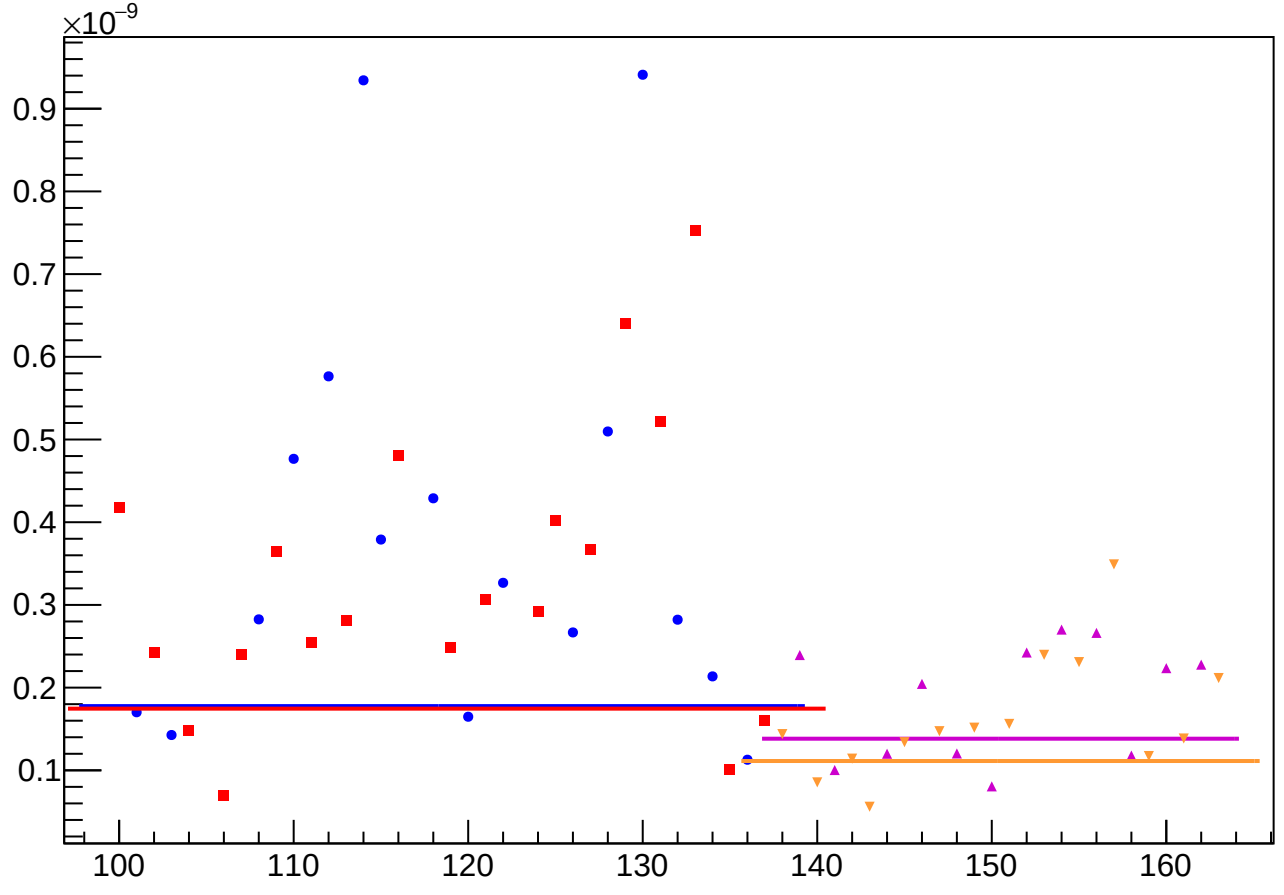
Left In: 0.000+/-0.000 χ^2/NDF:21.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: -0.000+/-0.000 χ^2/NDF: 78.5/60

- sign 0.000+/-0.000 χ^2/NDF: 53.8/30

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:1671940.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

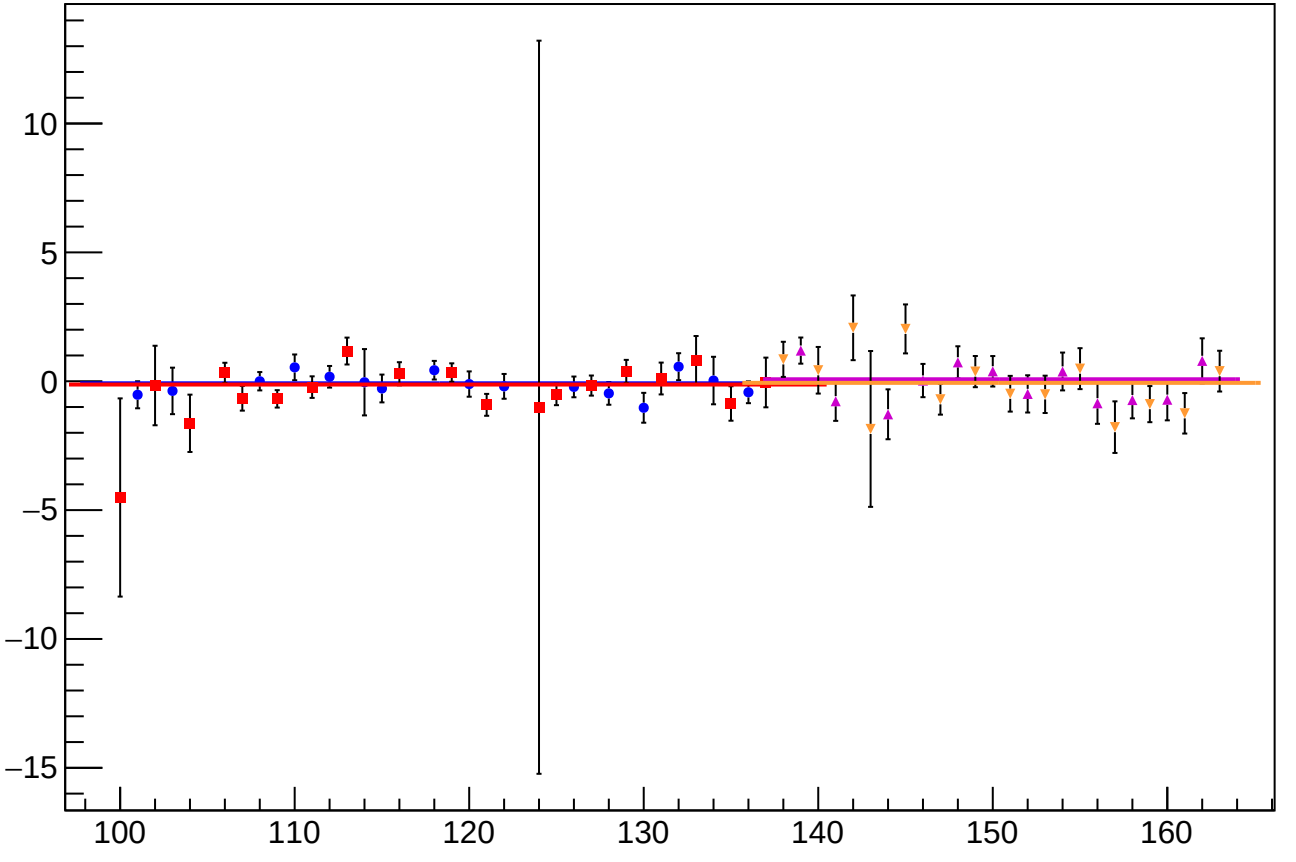
Left In: 0.000+/-0.000 χ^2/NDF:1277206.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 3694477.3/29

All: 0.000+/-0.000 χ^2/NDF: 6902327.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3046333.2/30

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

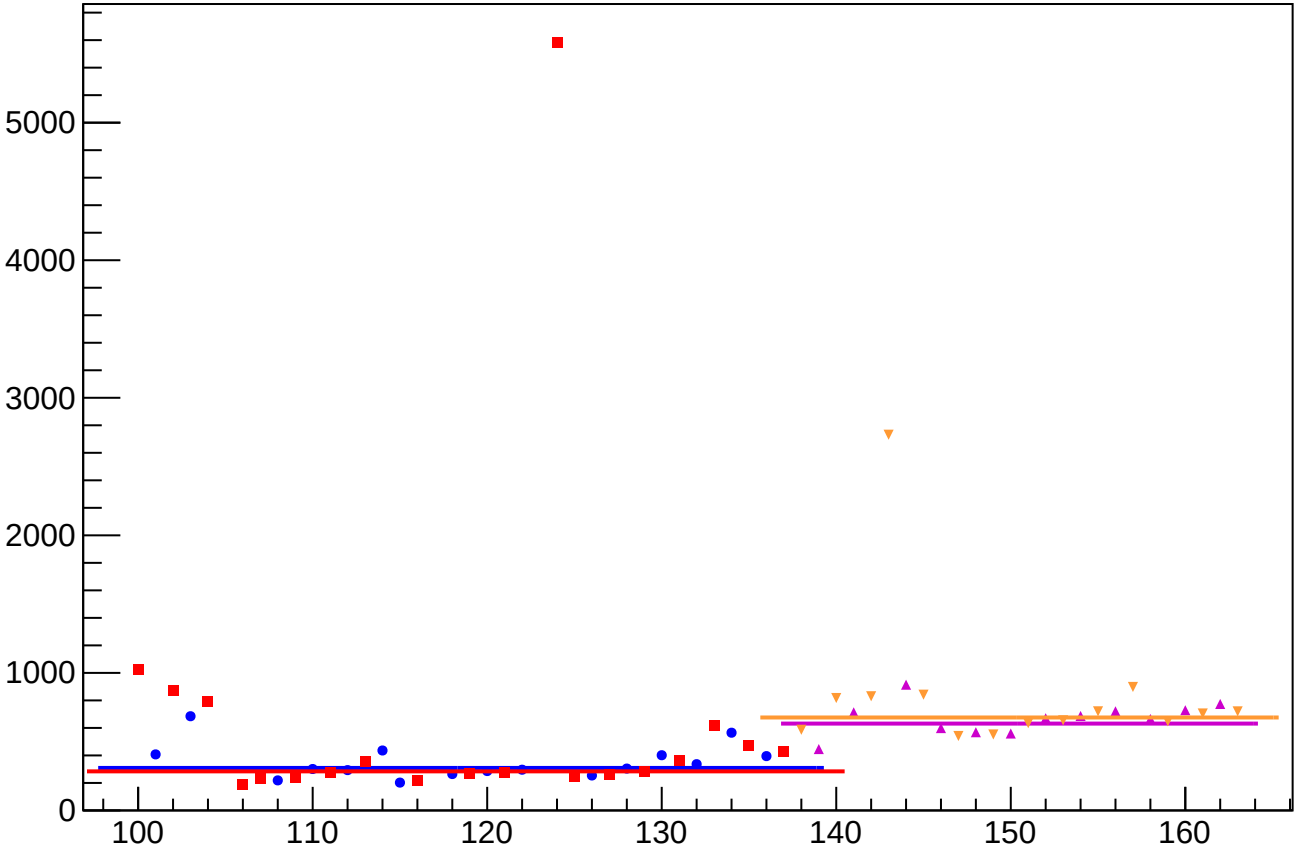
Left In: 0.077+/-0.201 χ^2/NDF:14.5/11

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.076+/-0.073 χ^2/NDF: 71.3/60

- sign -0.076+/-0.101 χ^2/NDF: 40.5/30

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 675.849+/-0.149 χ^2/NDF:1409646.6/13

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

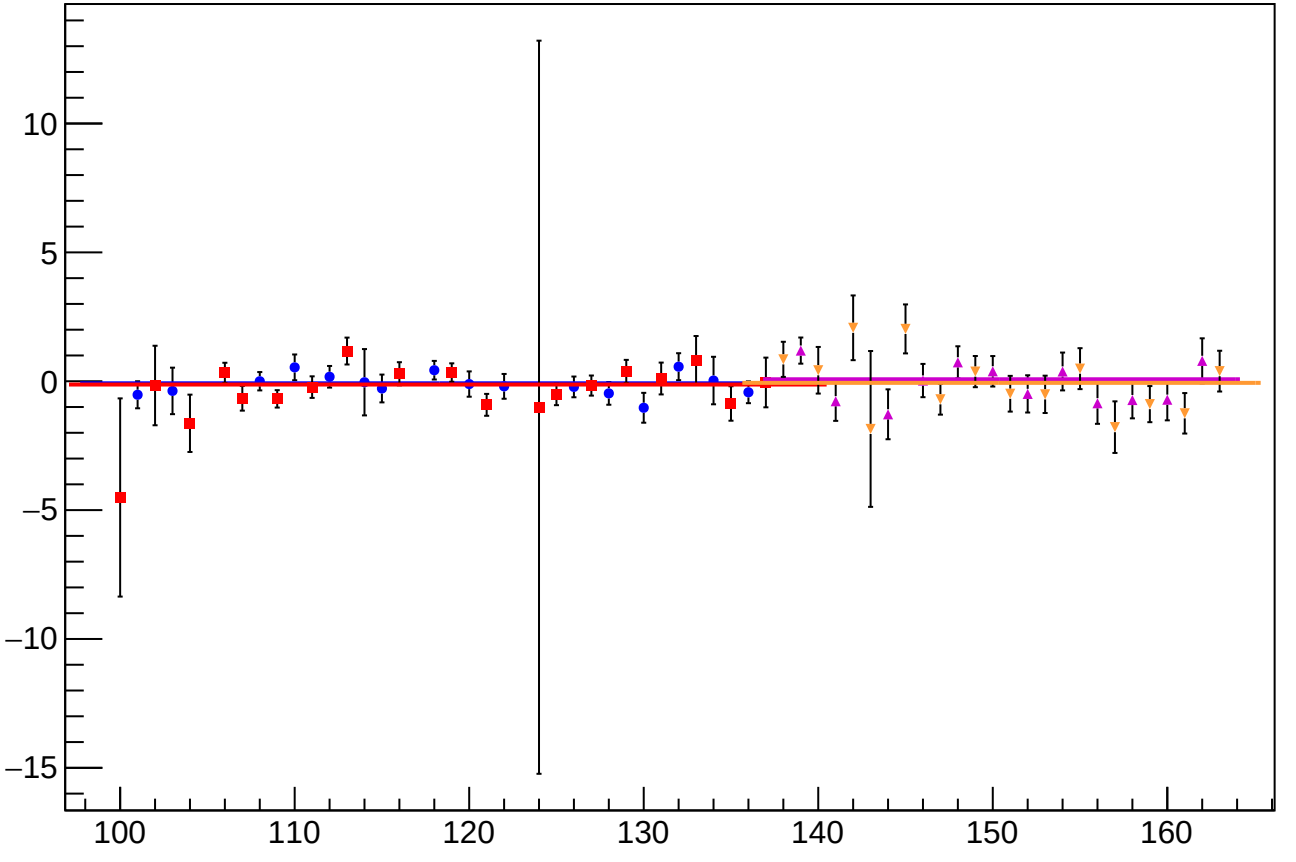
Left In: 631.482+/-0.142 χ^2/NDF:644937.8/11

+ sign 401.250+/-0.075 χ^2/NDF: 6975871.7/29

All: 385.924+/-0.052 χ^2/NDF: 14012581.3/60

- sign 371.839+/-0.071 χ^2/NDF: 6955637.3/30

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

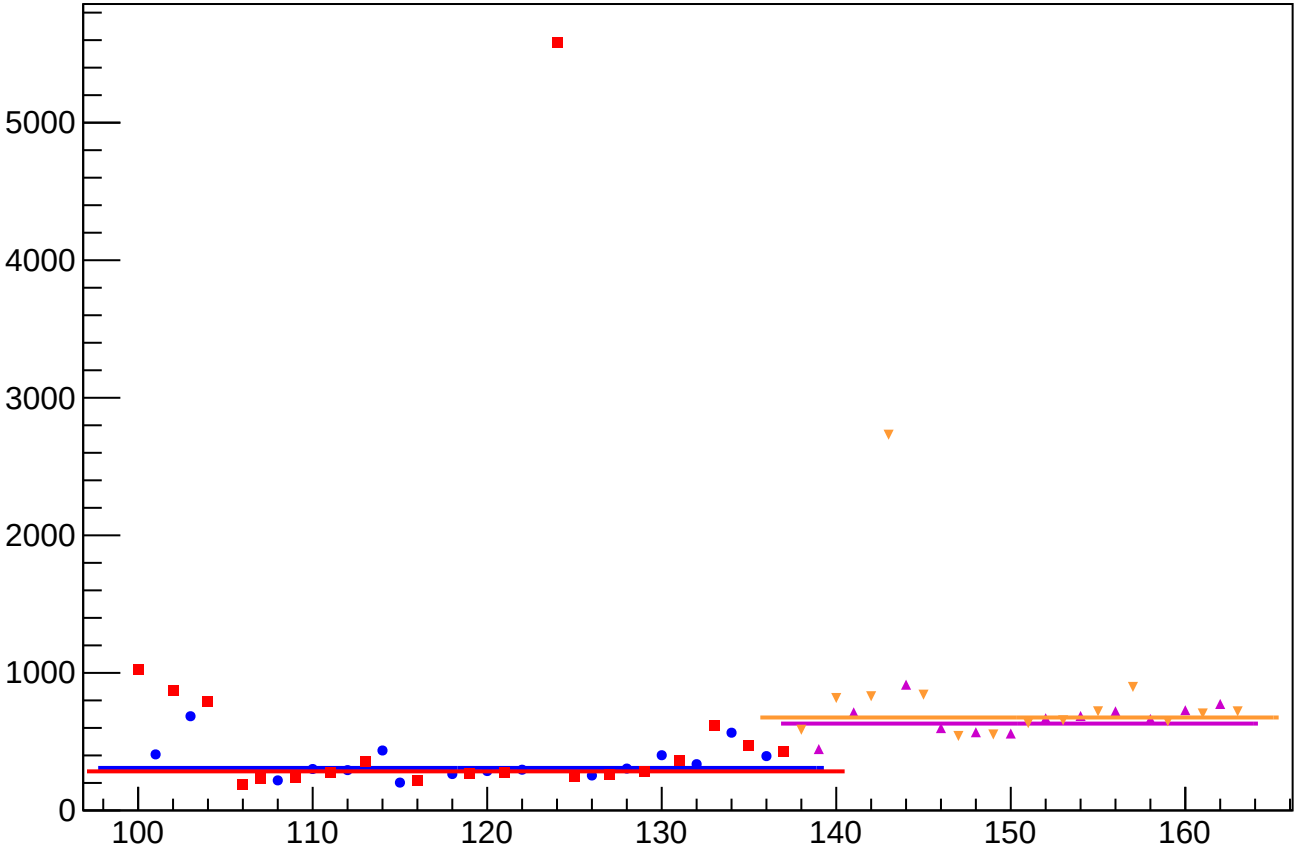
Left In: 0.077+/-0.201 χ^2/NDF:14.5/11

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.076+/-0.073 χ^2/NDF: 71.3/60

- sign -0.076+/-0.101 χ^2/NDF: 40.5/30

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: 675.849+/-0.149 χ^2/NDF:1409646.6/13

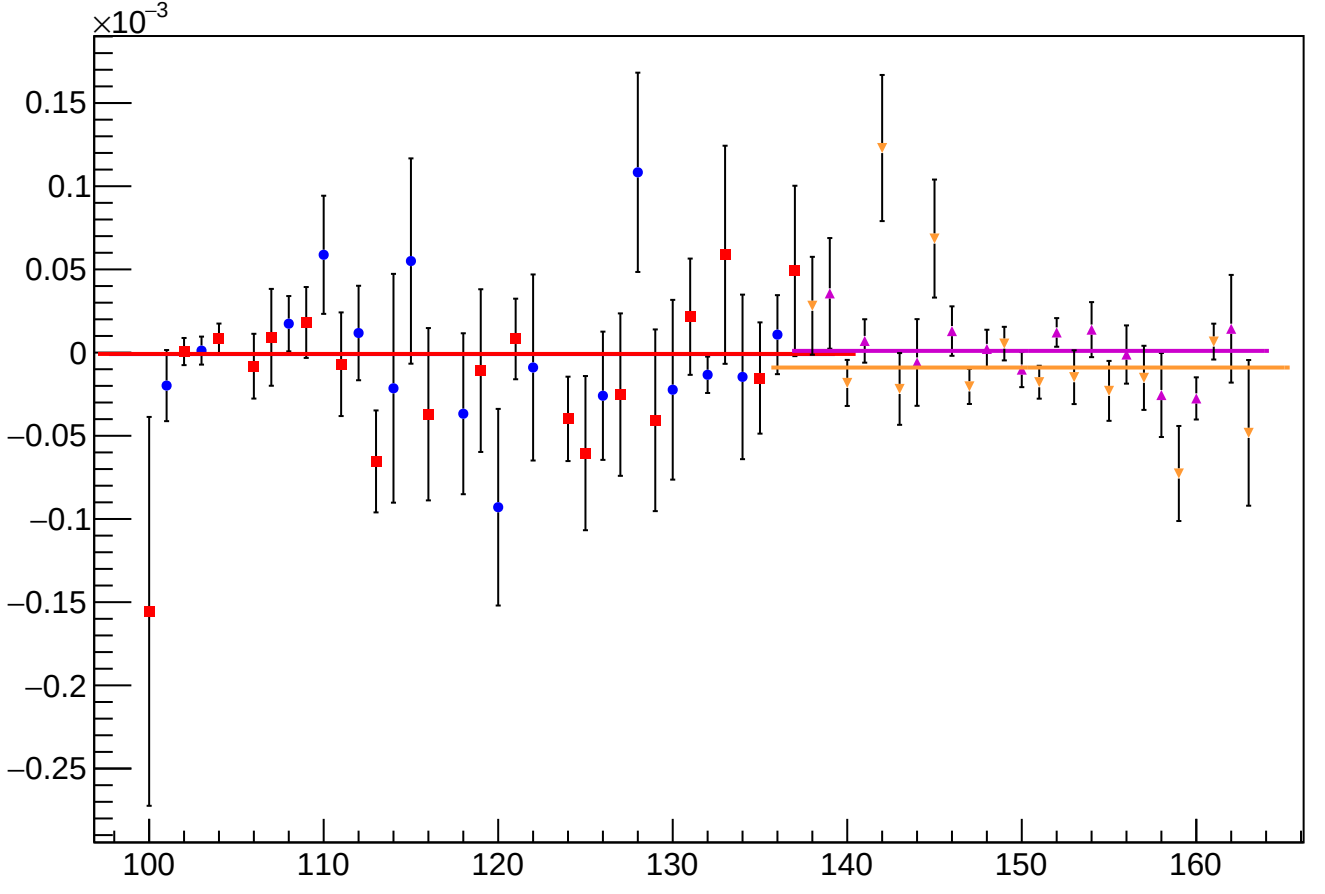
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 631.482+/-0.142 χ^2/NDF:644937.8/11

+ sign 401.250+/-0.075 χ^2/NDF: 6975871.7/29

All: 385.924+/-0.052 χ^2/NDF: 14012581.3/60

- sign 371.839+/-0.071 χ^2/NDF: 6955637.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

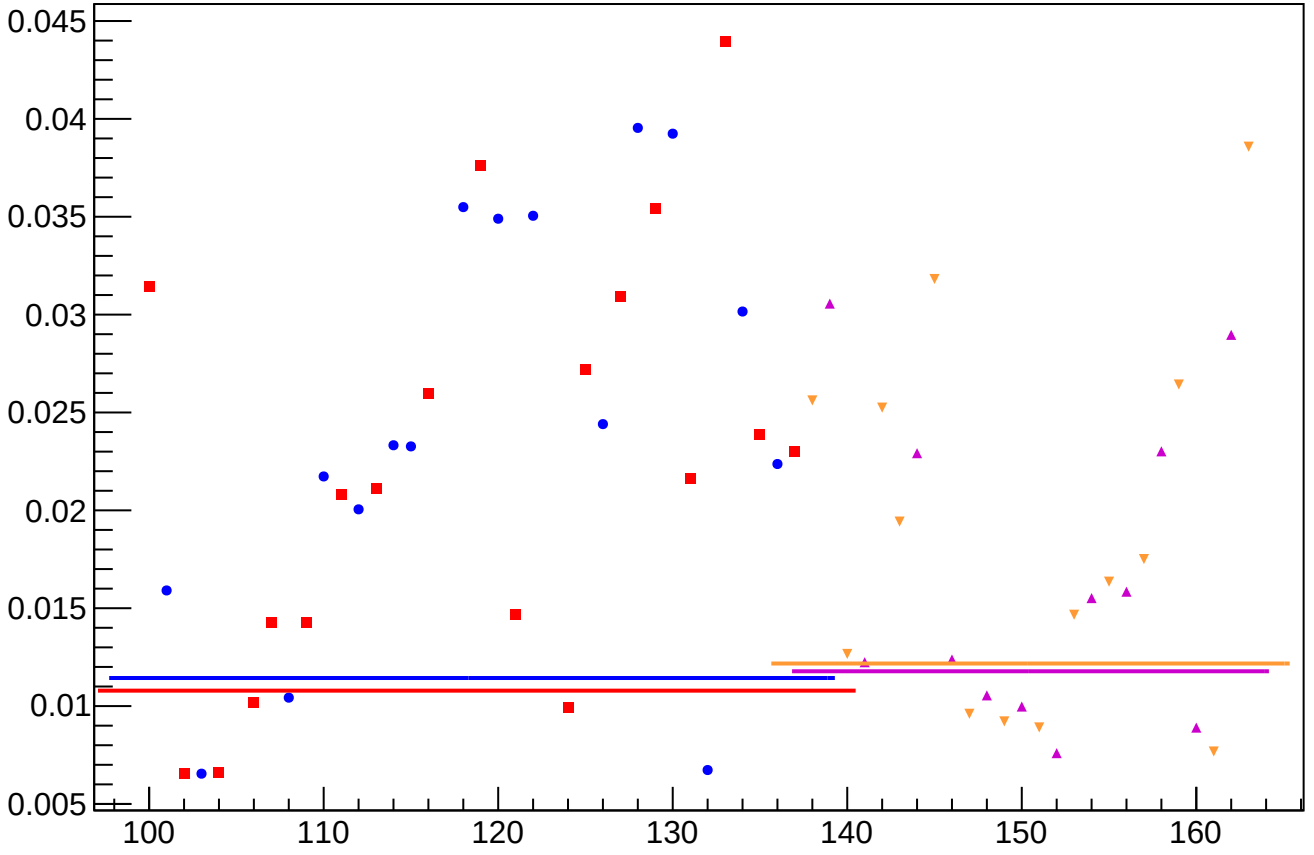
Left In: 0.000+/-0.000 χ^2/NDF:11.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/29

All: -0.000+/-0.000 χ^2/NDF: 74.7/60

- sign 0.000+/-0.000 χ^2/NDF: 28.0/30

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:3827373.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

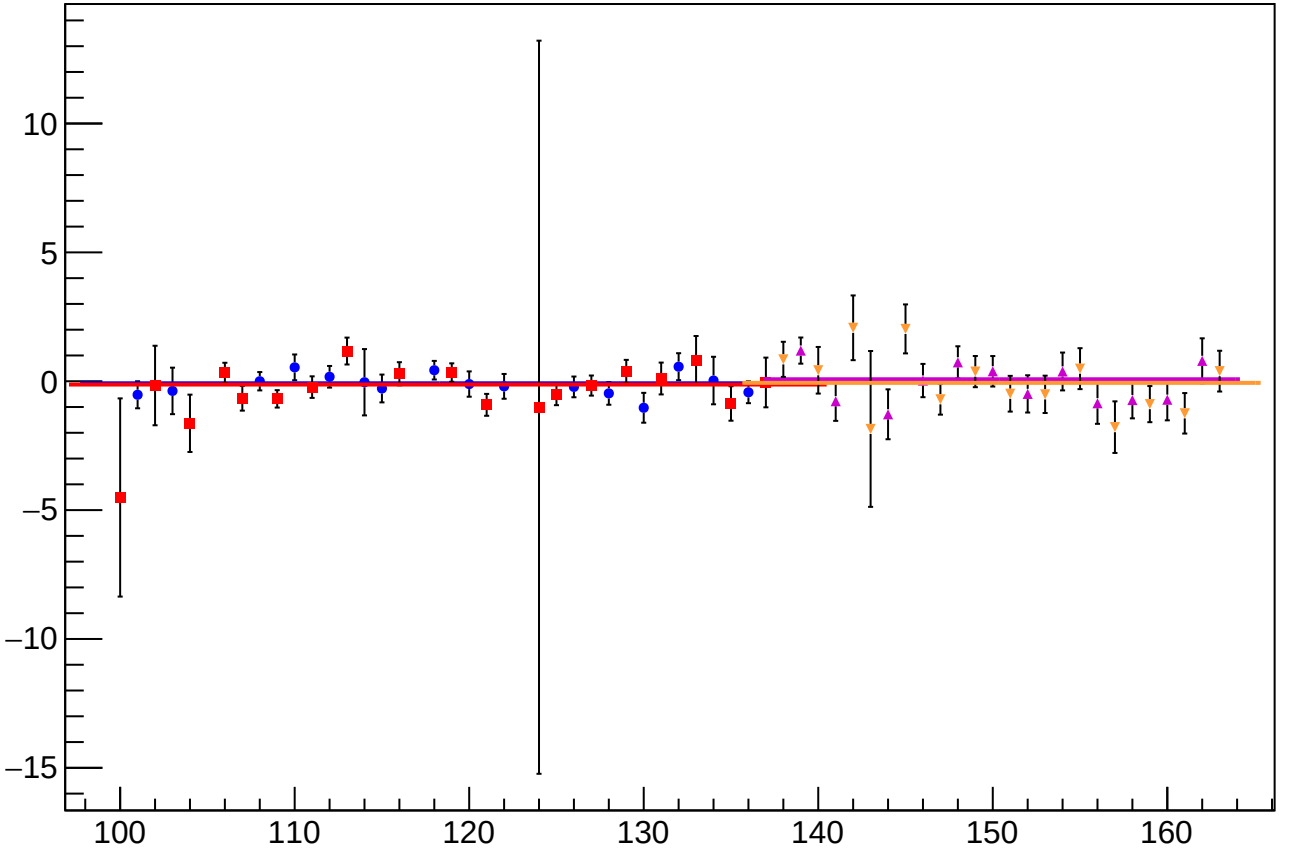
Left In: 0.012+/-0.000 χ^2/NDF:2836570.0/11

+ sign 0.012+/-0.000 χ^2/NDF: 8551490.5/29

All: 0.012+/-0.000 χ^2/NDF: 15938029.7/60

- sign 0.011+/-0.000 χ^2/NDF: 7358562.1/30

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

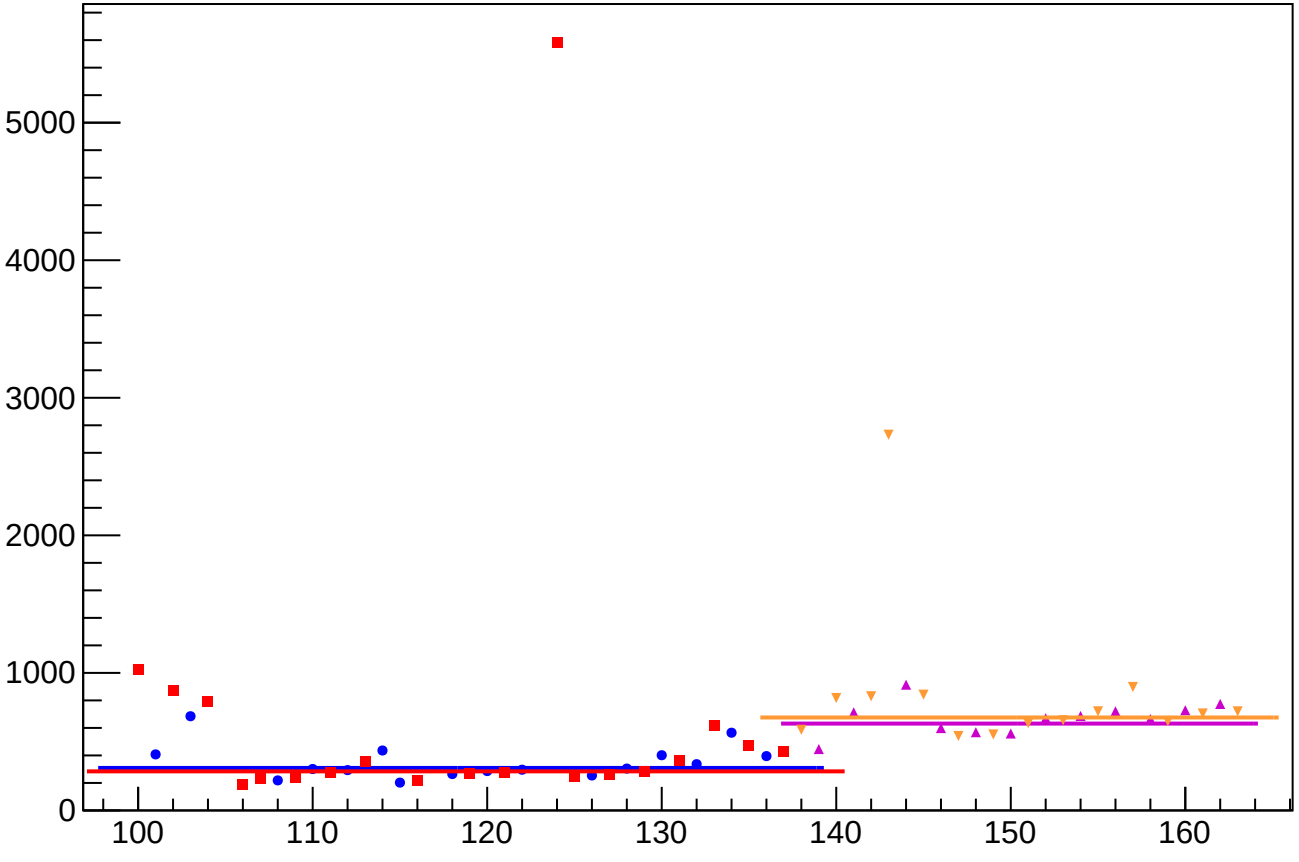
Left In: 0.077+/-0.201 χ^2/NDF:14.5/11

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.076+/-0.073 χ^2/NDF: 71.3/60

- sign -0.076+/-0.101 χ^2/NDF: 40.5/30

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: 675.858+/-0.149 χ^2/NDF:1409654.1/13

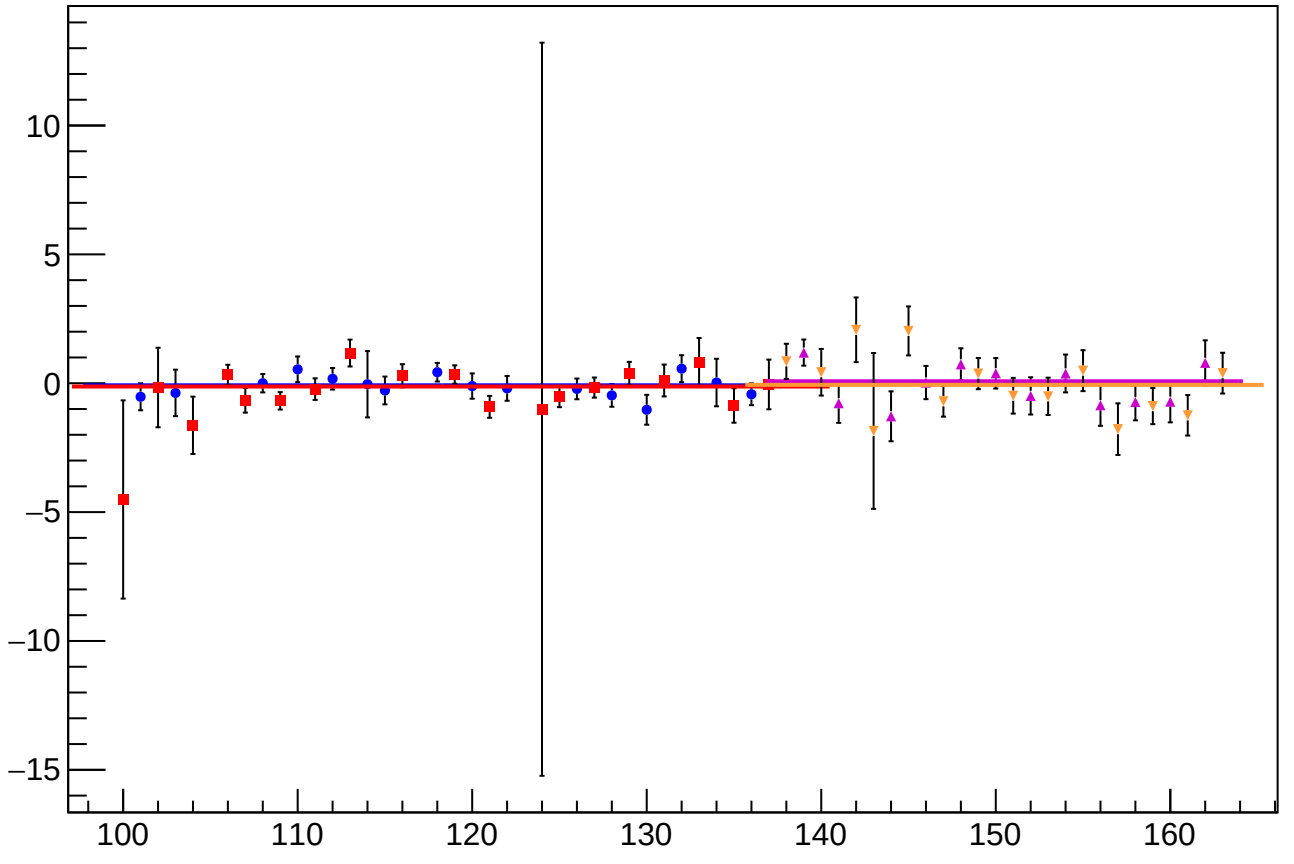
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 631.492+/-0.142 χ^2/NDF:644925.8/11

+ sign 401.249+/-0.075 χ^2/NDF: 6976008.9/29

All: 385.923+/-0.052 χ^2/NDF: 14012852.3/60

- sign 371.839+/-0.071 χ^2/NDF: 6955772.2/30



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

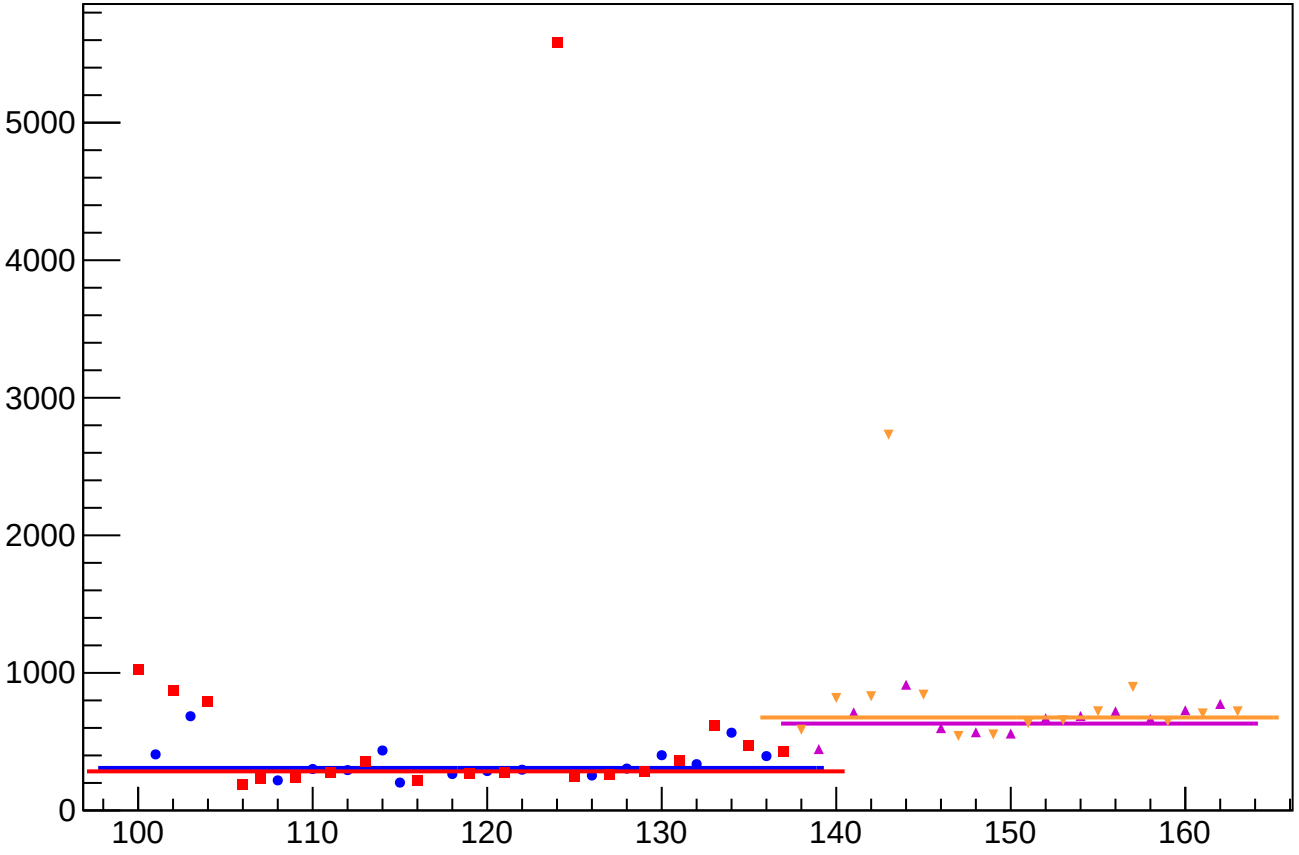
Left In: 0.077+/-0.201 χ^2/NDF:14.5/11

+ sign -0.076+/-0.105 χ^2/NDF: 30.8/29

All: -0.076+/-0.073 χ^2/NDF: 71.3/60

- sign -0.076+/-0.101 χ^2/NDF: 40.5/30

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 675.858+/-0.149 χ^2/NDF:1409654.1/13

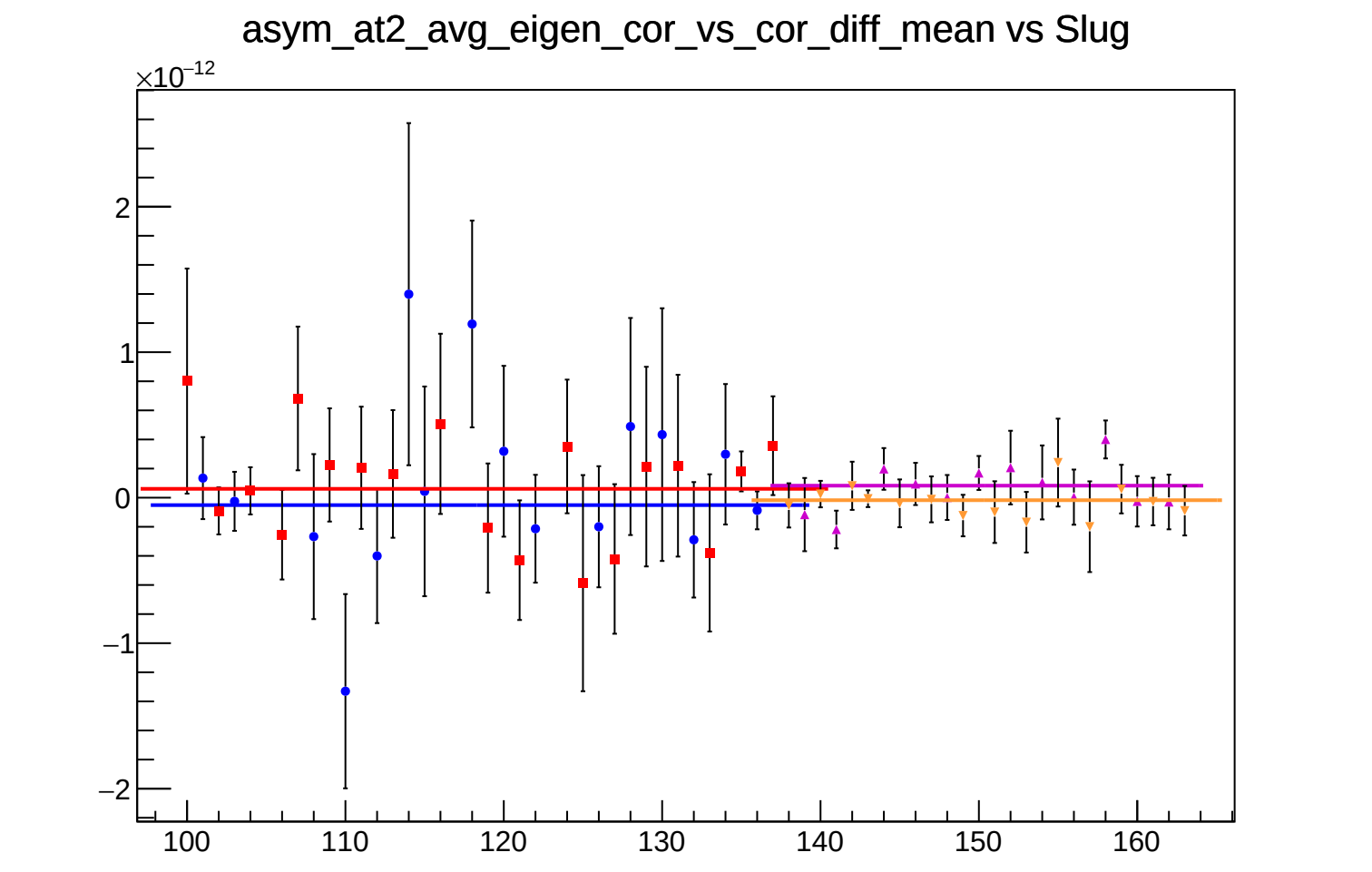
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 631.492+/-0.142 χ^2/NDF:644925.8/11

+ sign 401.249+/-0.075 χ^2/NDF: 6976008.9/29

All: 385.923+/-0.052 χ^2/NDF: 14012852.3/60

- sign 371.839+/-0.071 χ^2/NDF: 6955772.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/13

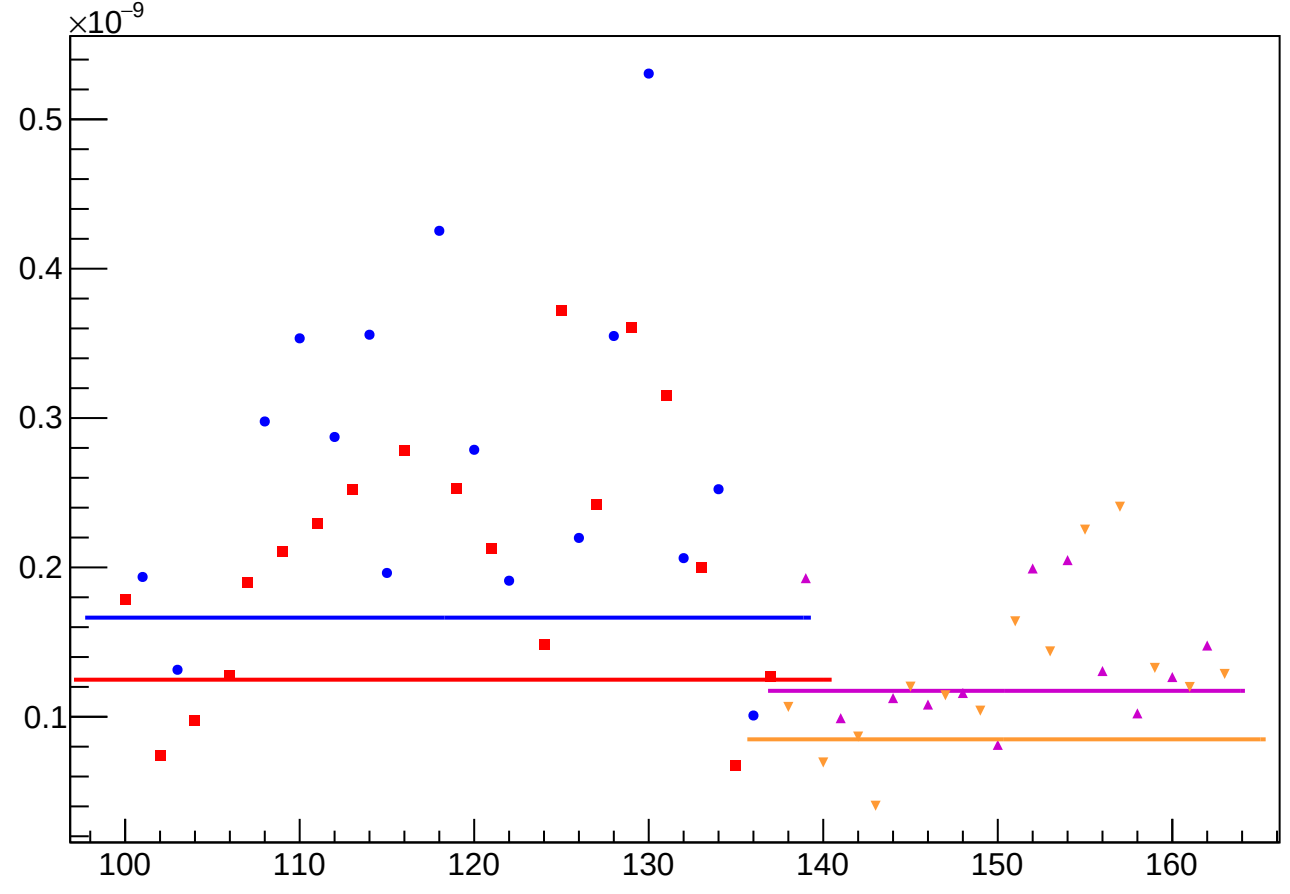
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 15.5/29

All: 0.000+/-0.000 χ^2/NDF: 45.4/60

- sign 0.000+/-0.000 χ^2/NDF: 26.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3242840.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

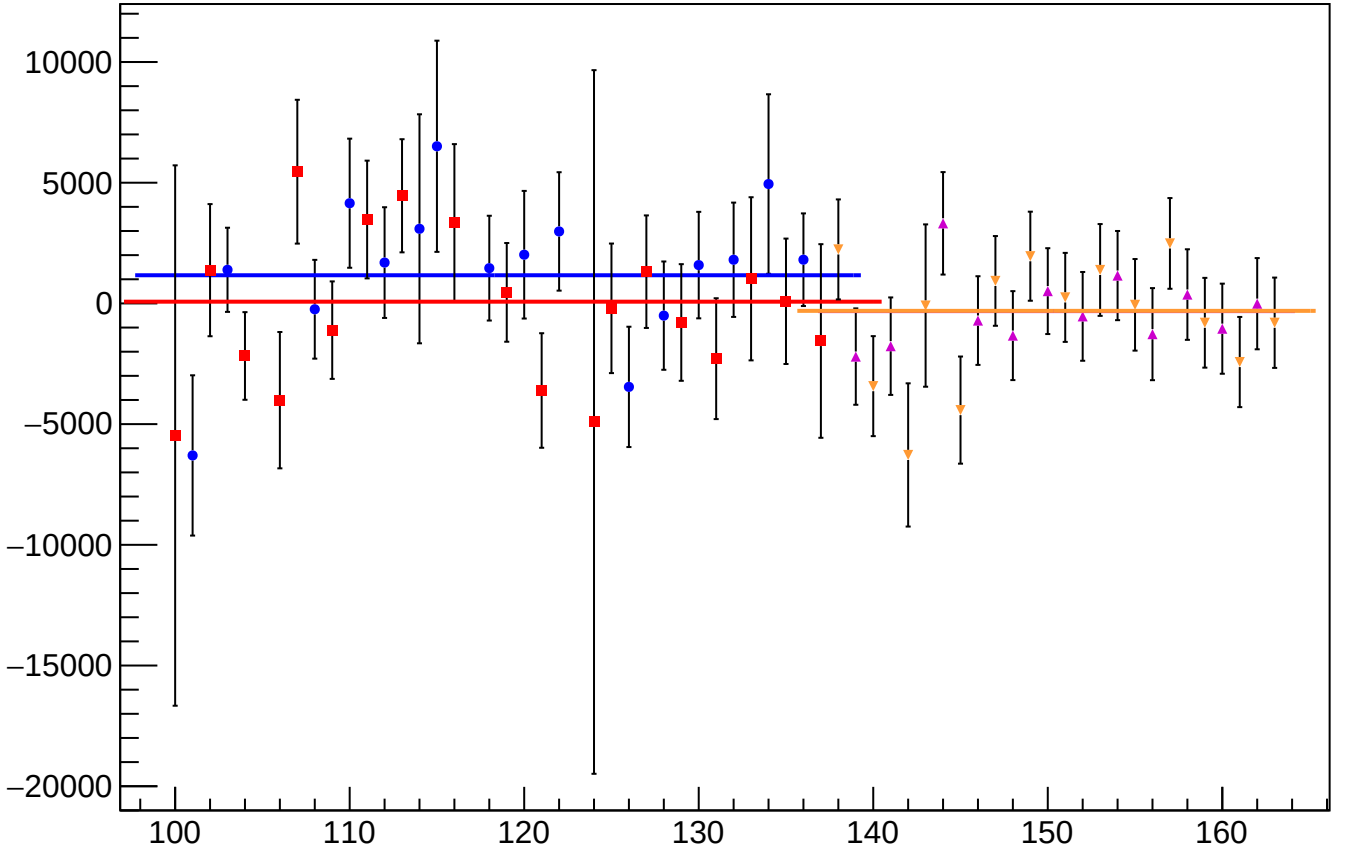
Left In: 0.000+/-0.000 χ^2/NDF:962972.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 6811033.2/29

All: 0.000+/-0.000 χ^2/NDF: 10400041.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3188314.1/30

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.208+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

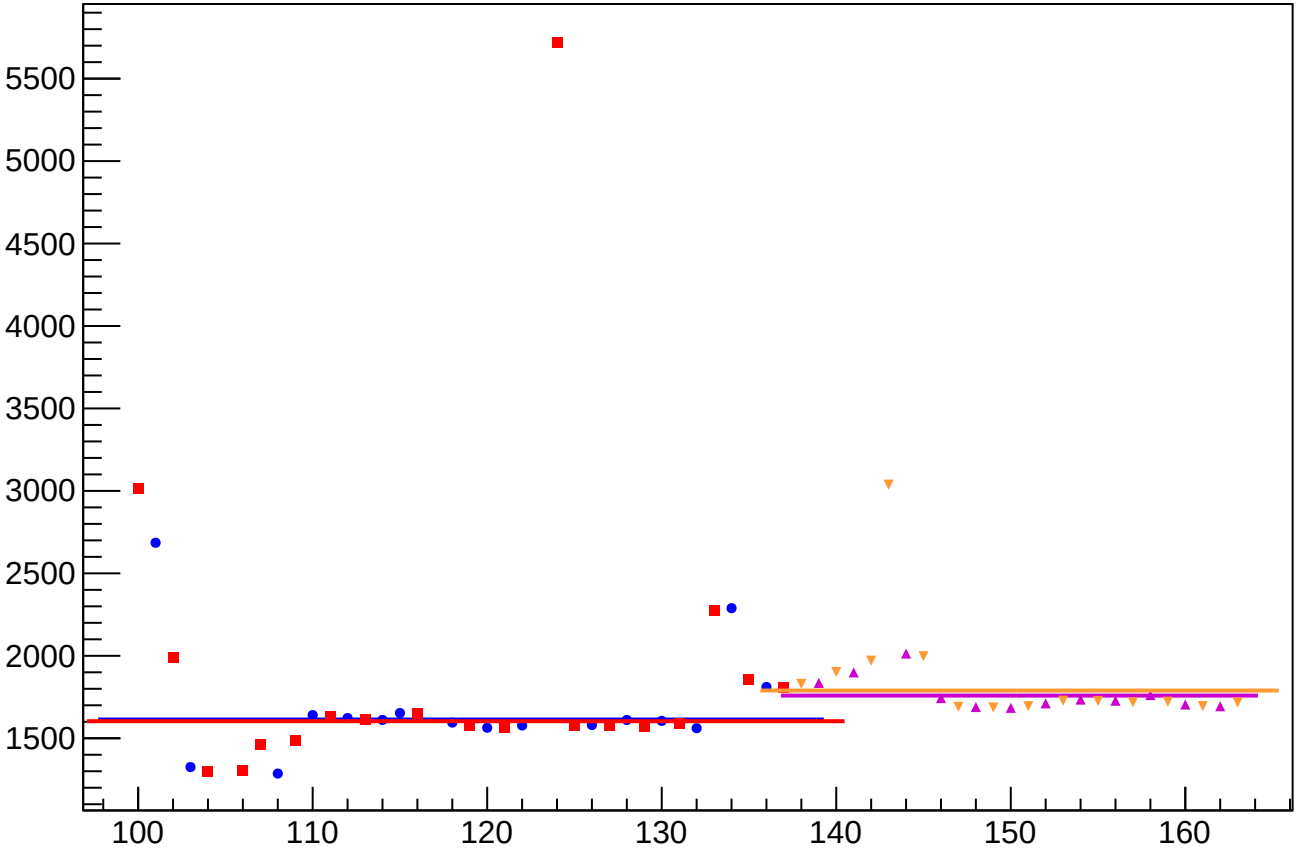
Left In: -318.321+/-547.092 χ^2/NDF:6.1/11

+ sign 338.847+/-403.463 χ^2/NDF: 35.5/29

All: 99.448+/-285.935 χ^2/NDF: 60.8/60

- sign -142.124+/-405.289 χ^2/NDF: 24.6/30

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

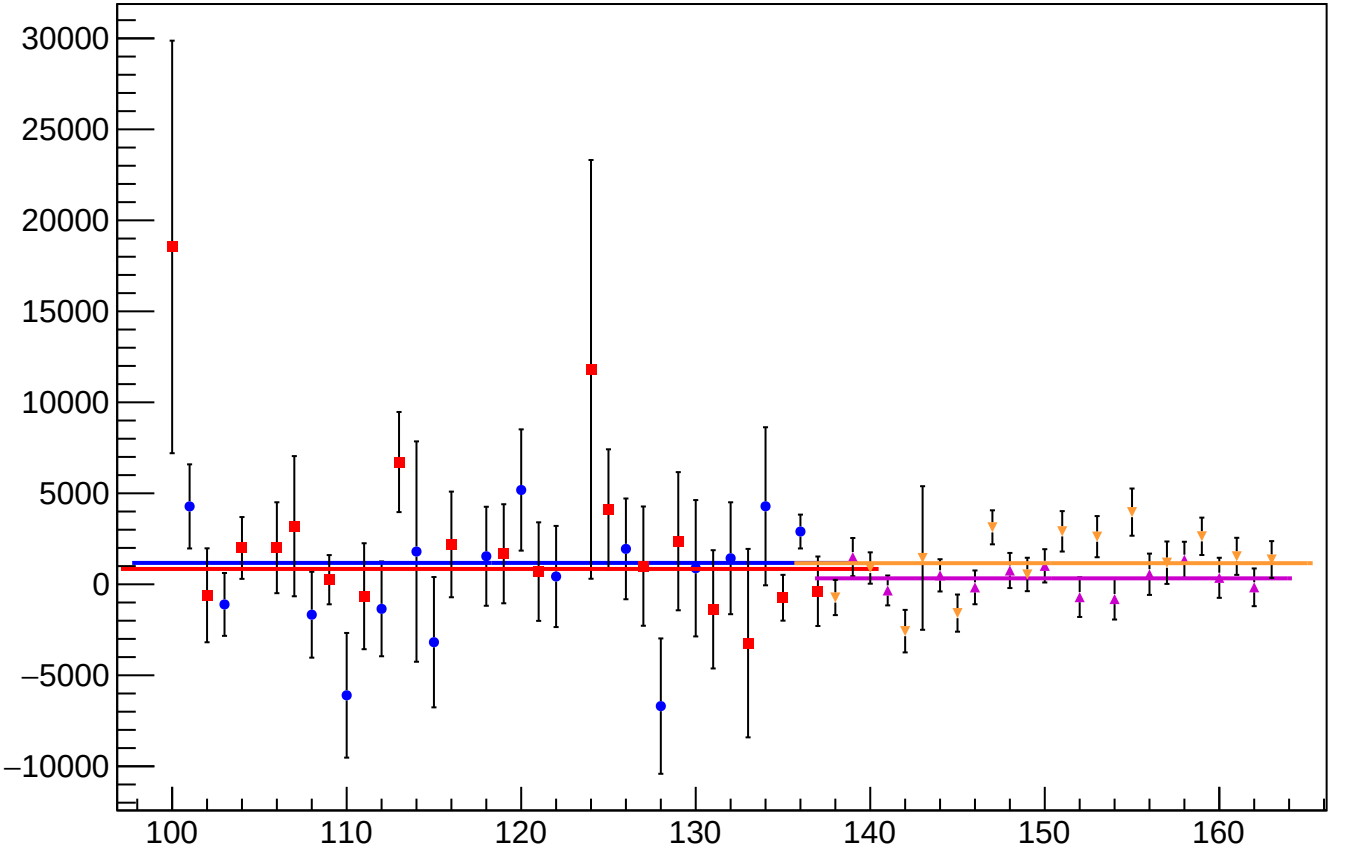
Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.4/29

All: 1700.587+/-0.202 χ^2/NDF: 1396717.7/60

- sign 1688.713+/-0.287 χ^2/NDF: 552699.4/30

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1161.007+/-284.936 χ^2/NDF:37.3/13

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

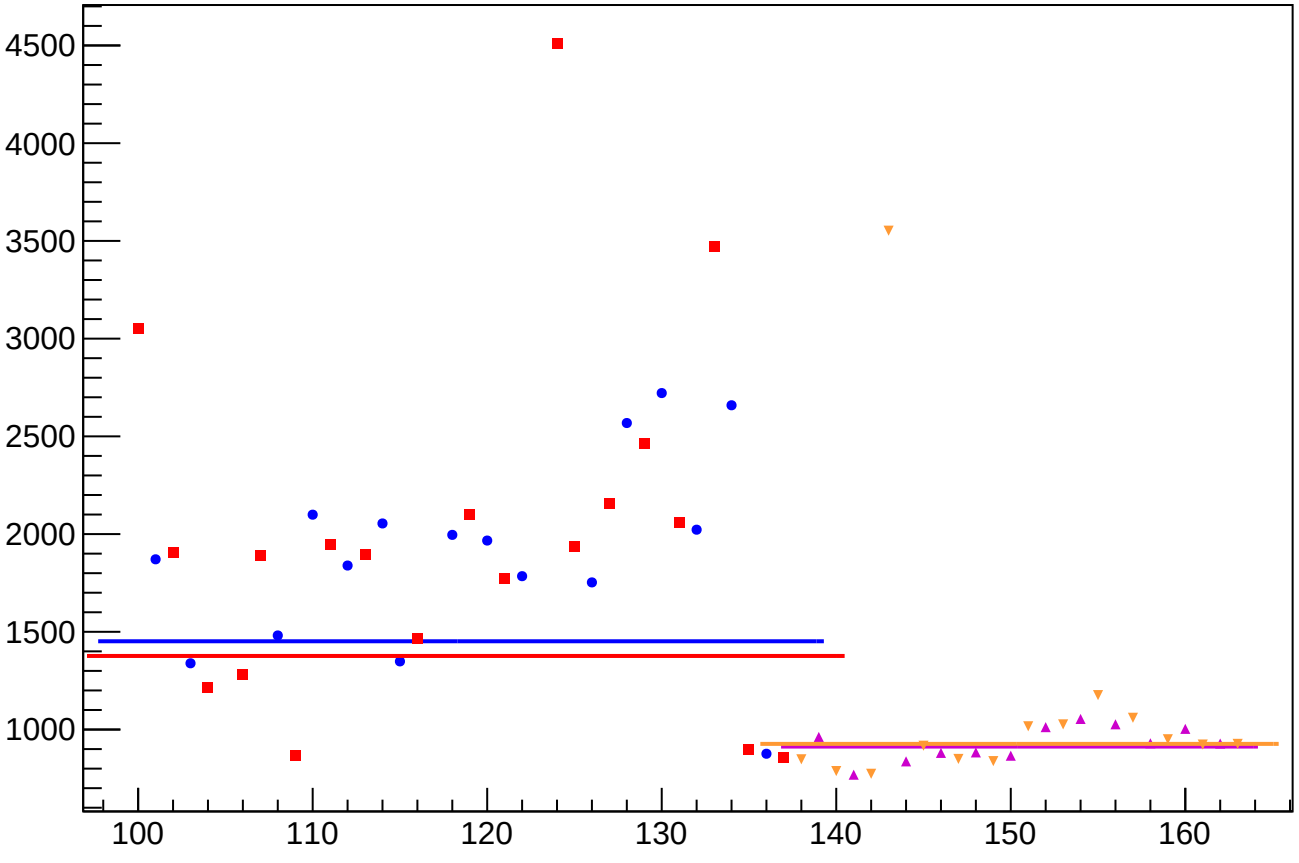
Left In: 327.722+/-285.438 χ^2/NDF:6.2/11

+ sign 1163.828+/-255.661 χ^2/NDF: 59.3/29

All: 797.104+/-180.213 χ^2/NDF: 84.5/60

- sign 434.939+/-254.067 χ^2/NDF: 21.2/30

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.598+/-0.201 χ^2/NDF:1147845.2/13

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

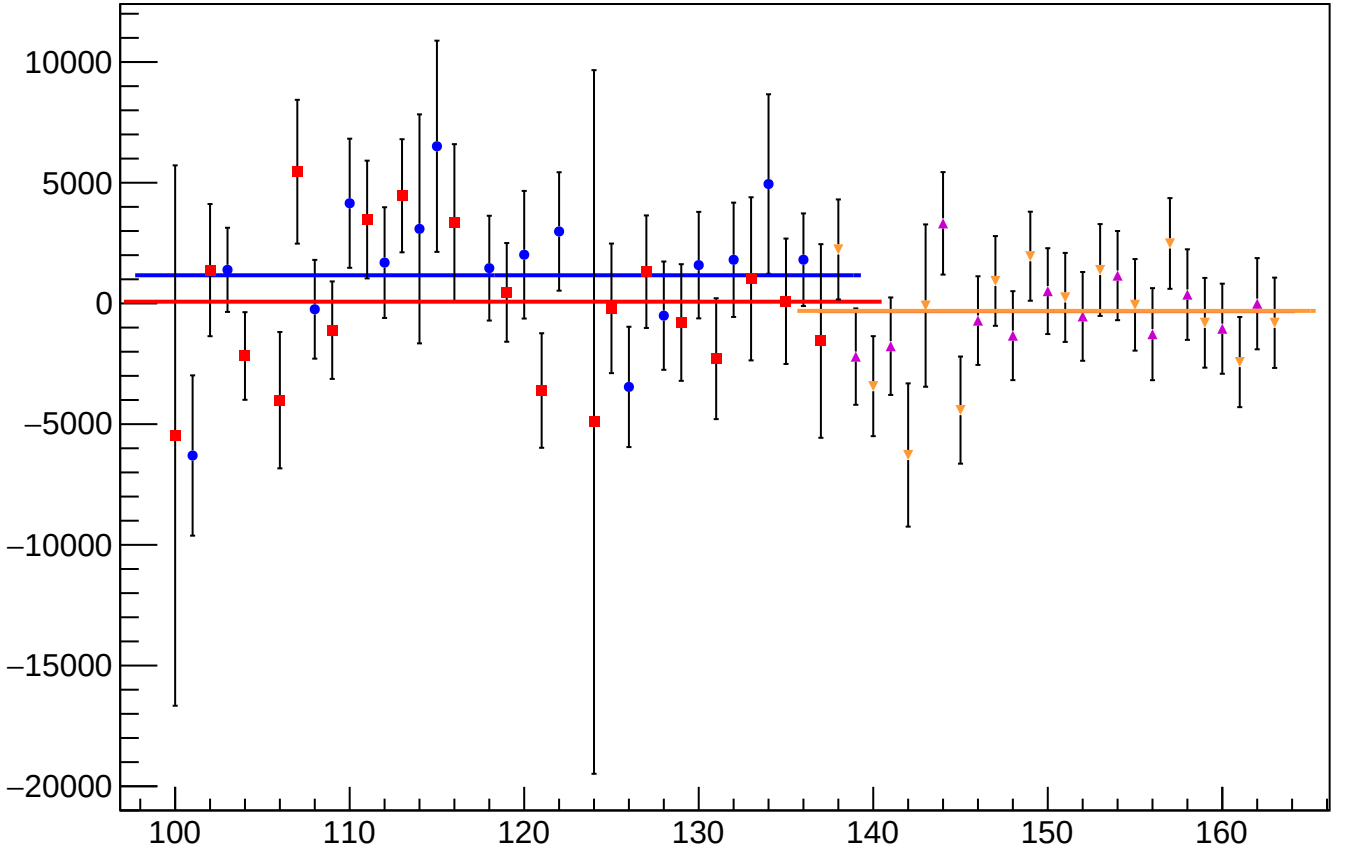
Left In: 912.872+/-0.202 χ^2/NDF:172960.9/11

+ sign 1028.942+/-0.181 χ^2/NDF: 4262379.2/29

All: 1018.997+/-0.127 χ^2/NDF: 7669357.4/60

- sign 1009.176+/-0.180 χ^2/NDF: 3400963.4/30

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.400+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

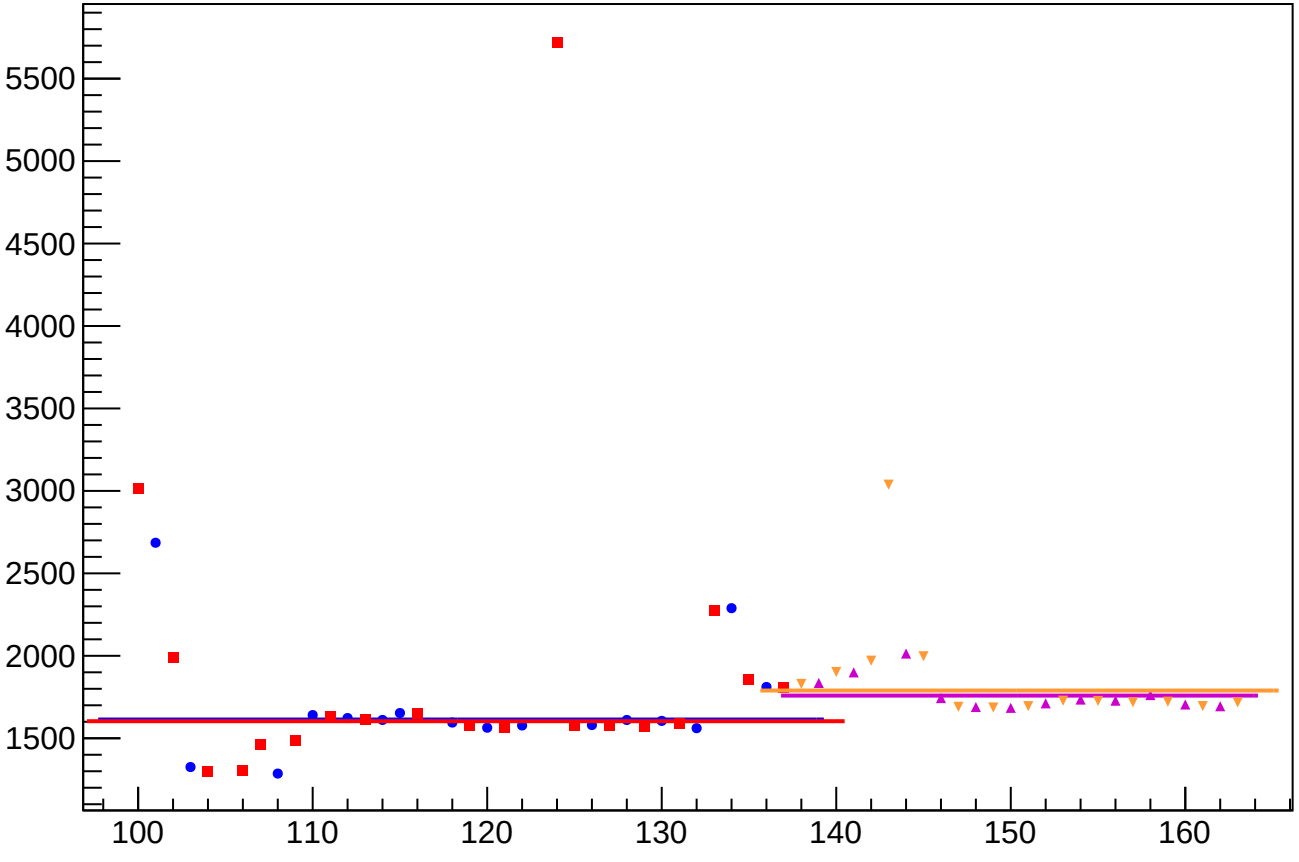
Left In: -318.293+/-547.093 χ^2/NDF:6.1/11

+ sign 338.699+/-403.463 χ^2/NDF: 35.5/29

All: 99.452+/-285.935 χ^2/NDF: 60.8/60

- sign -141.965+/-405.289 χ^2/NDF: 24.6/30

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

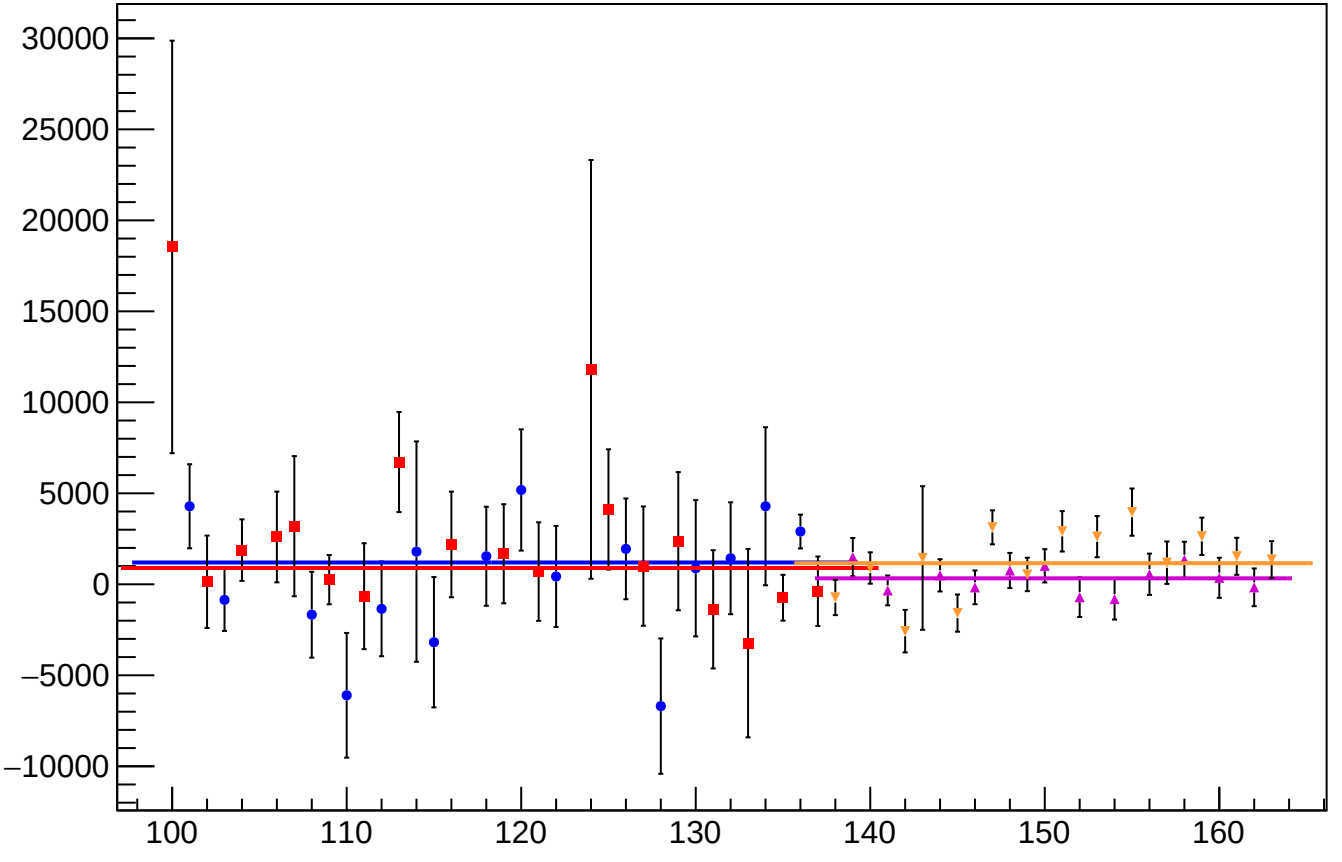
Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.8/29

All: 1700.587+/-0.202 χ^2/NDF: 1396718.3/60

- sign 1688.713+/-0.287 χ^2/NDF: 552699.6/30

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

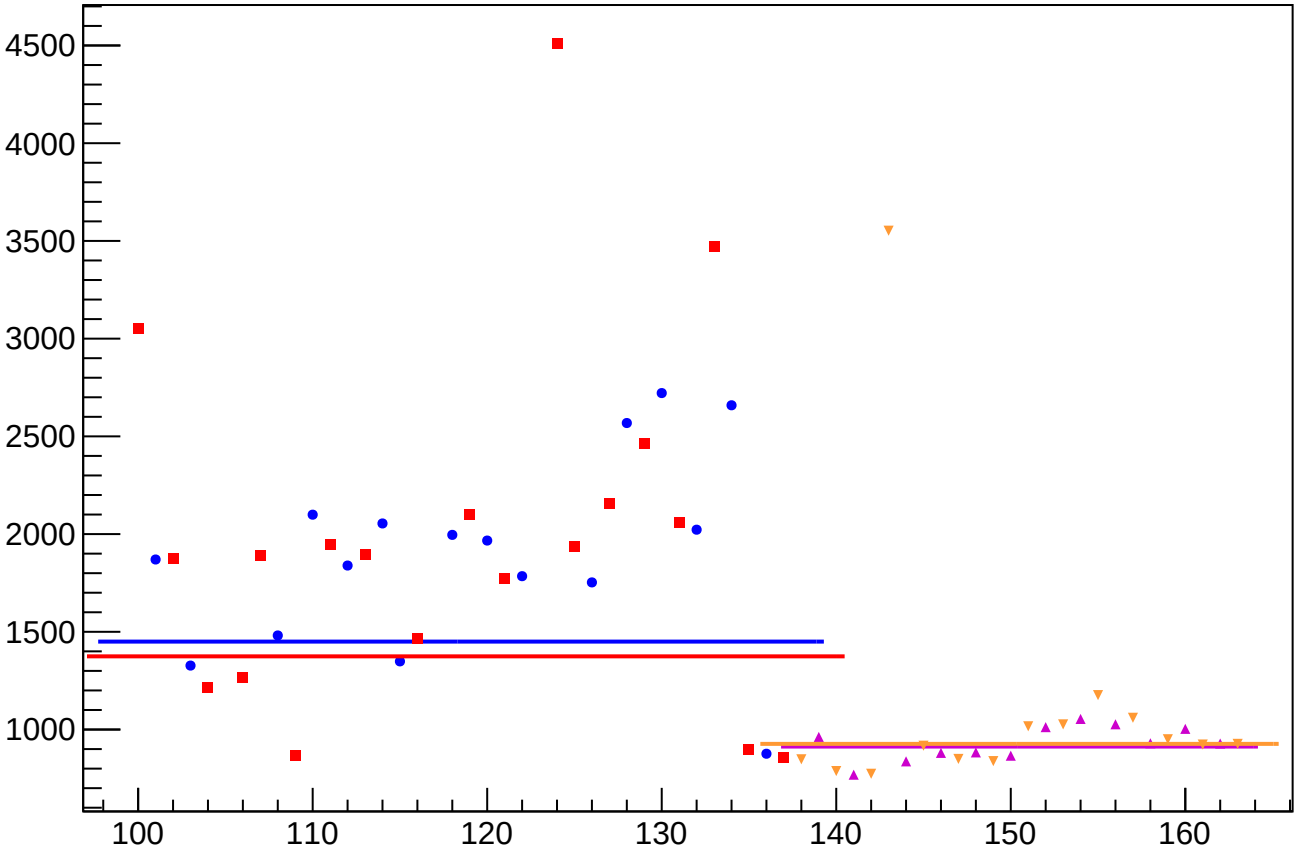
Left In: 327.695+/-285.437 χ^2/NDF:6.2/11

+ sign 1168.263+/-255.592 χ^2/NDF: 59.0/29

All: 804.814+/-180.163 χ^2/NDF: 84.2/60

- sign 445.897+/-253.993 χ^2/NDF: 21.2/30

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

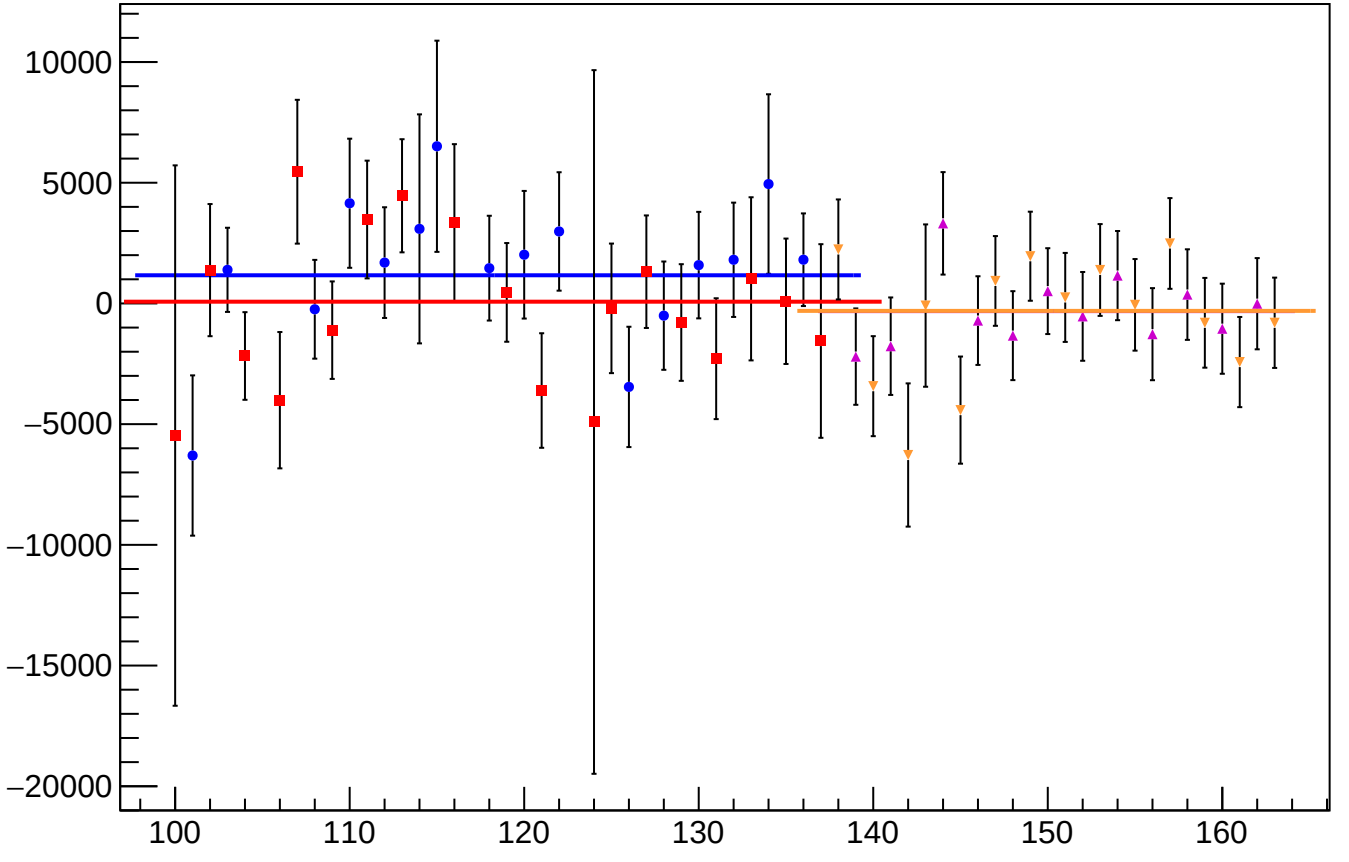
Left In: 912.870+/-0.202 χ^2/NDF:172998.5/11

+ sign 1028.857+/-0.181 χ^2/NDF: 4258550.8/29

All: 1018.847+/-0.127 χ^2/NDF: 7654104.7/60

- sign 1008.962+/-0.180 χ^2/NDF: 3389457.4/30

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.400+/-538.506 χ^2/NDF:17.8/13

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

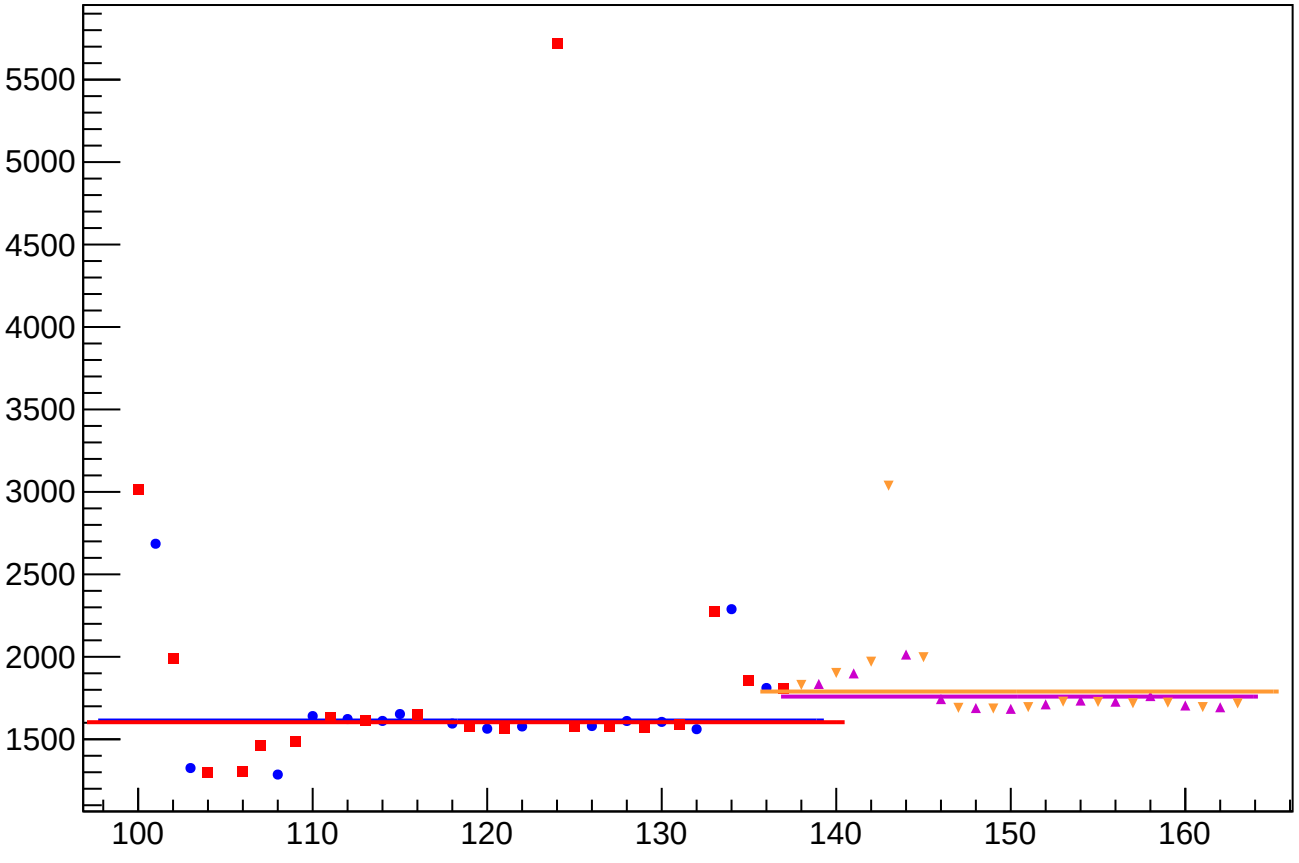
Left In: -318.293+/-547.093 χ^2/NDF:6.1/11

+ sign 338.699+/-403.463 χ^2/NDF: 35.5/29

All: 99.452+/-285.935 χ^2/NDF: 60.8/60

- sign -141.965+/-405.289 χ^2/NDF: 24.6/30

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

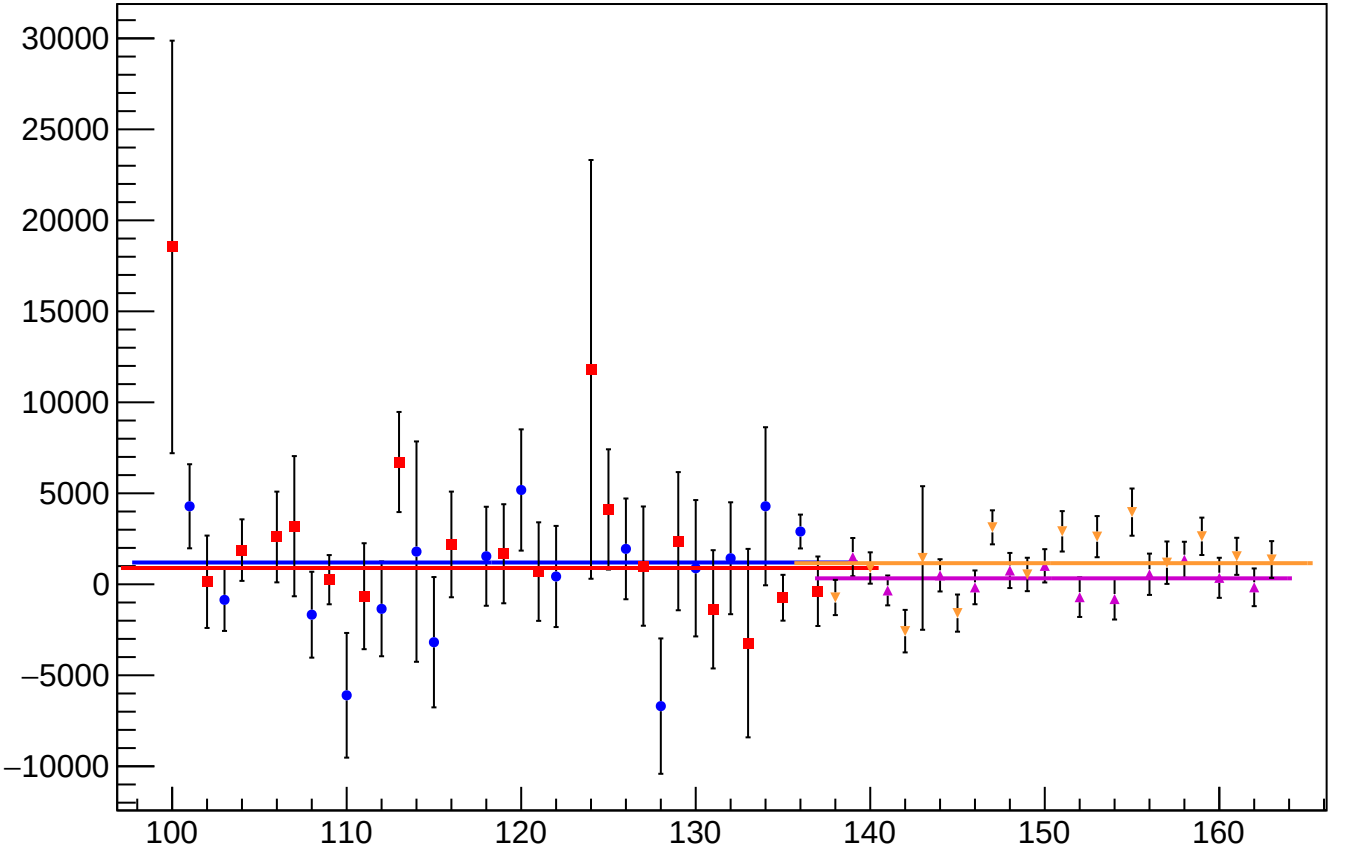
Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

+ sign 1712.354+/-0.285 χ^2/NDF: 840600.8/29

All: 1700.587+/-0.202 χ^2/NDF: 1396718.3/60

- sign 1688.713+/-0.287 χ^2/NDF: 552699.6/30

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

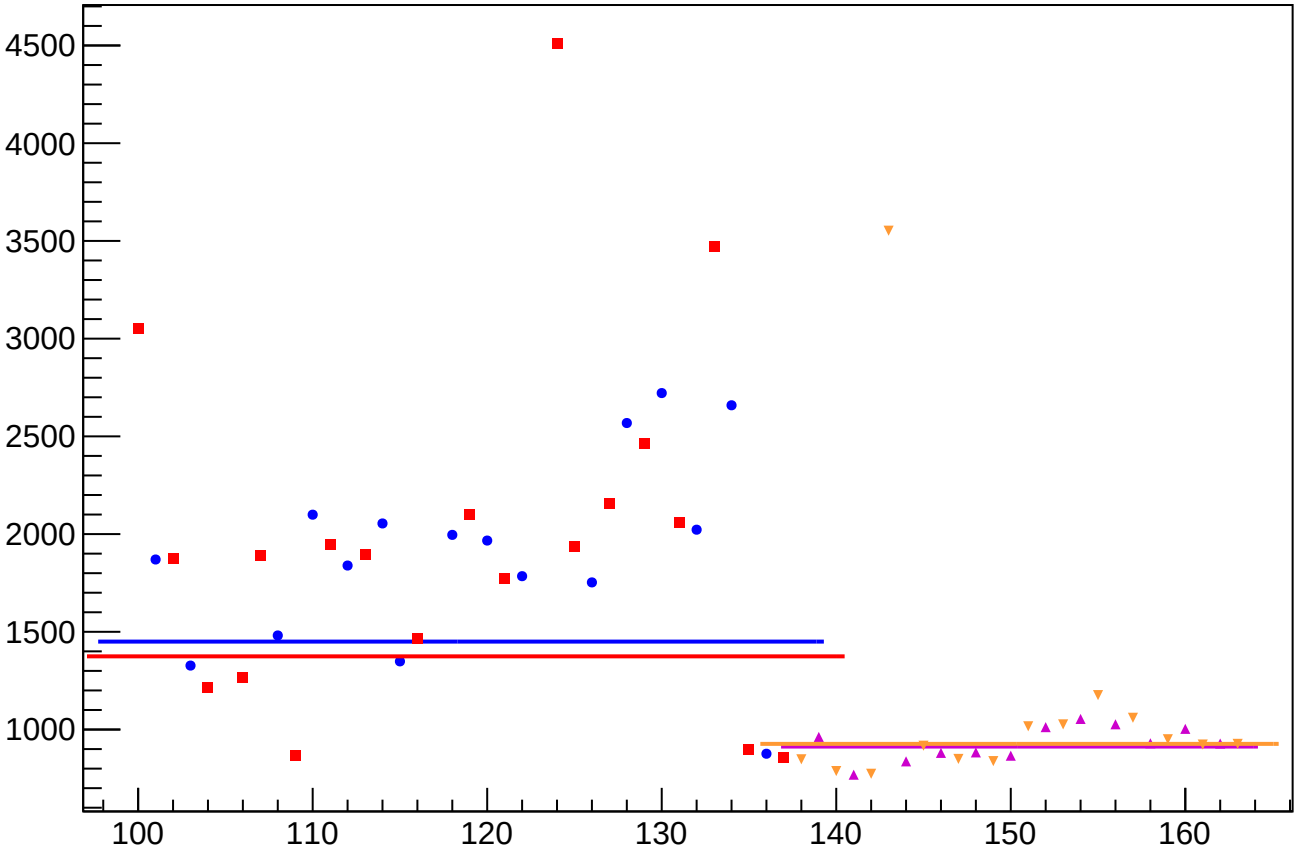
Left In: 327.695+/-285.437 χ^2/NDF:6.2/11

+ sign 1168.263+/-255.592 χ^2/NDF: 59.0/29

All: 804.814+/-180.163 χ^2/NDF: 84.2/60

- sign 445.897+/-253.993 χ^2/NDF: 21.2/30

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

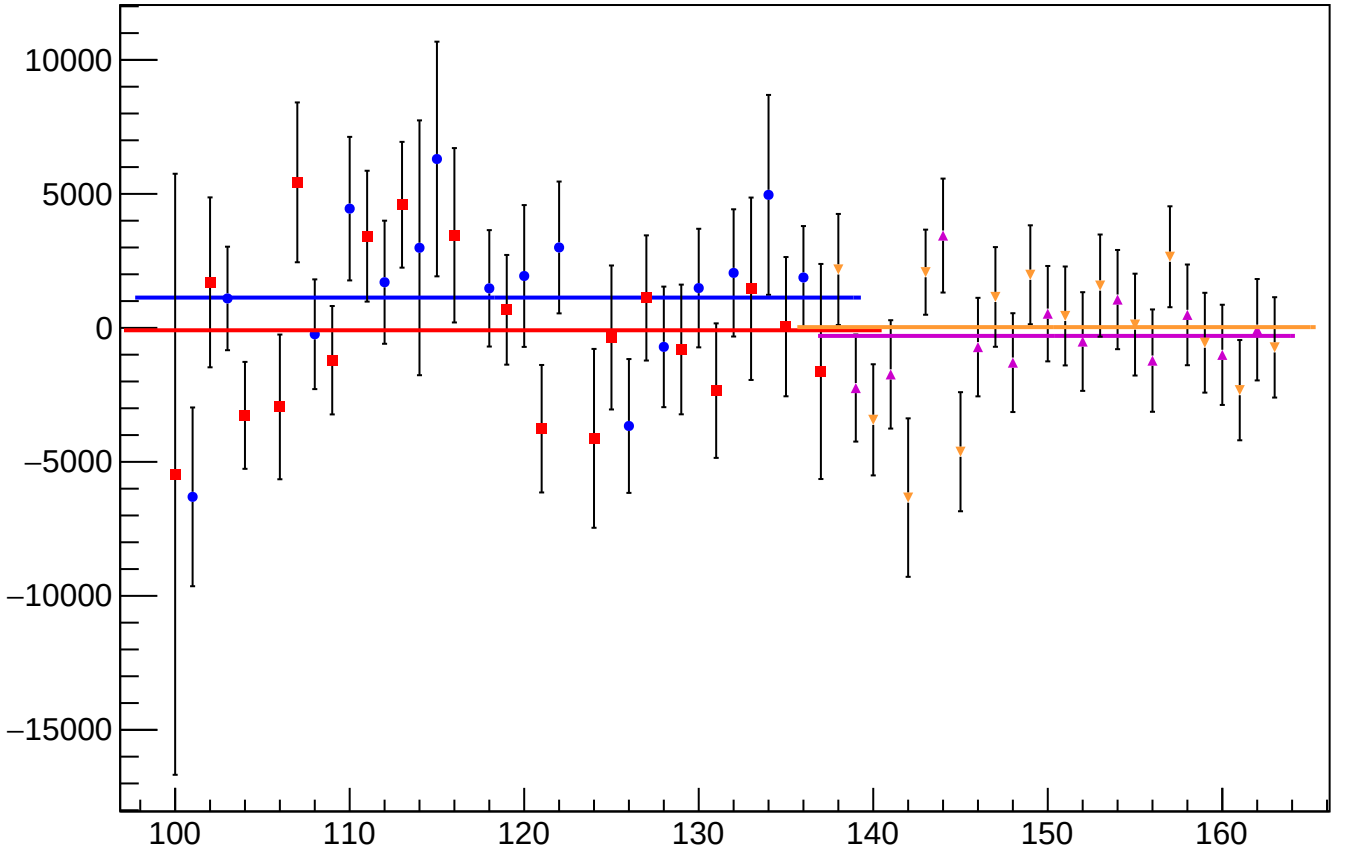
Left In: 912.870+/-0.202 χ^2/NDF:172998.5/11

+ sign 1028.857+/-0.181 χ^2/NDF: 4258550.8/29

All: 1018.847+/-0.127 χ^2/NDF: 7654104.7/60

- sign 1008.962+/-0.180 χ^2/NDF: 3389457.4/30

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 28.203+/-516.503 χ^2/NDF:20.5/13

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

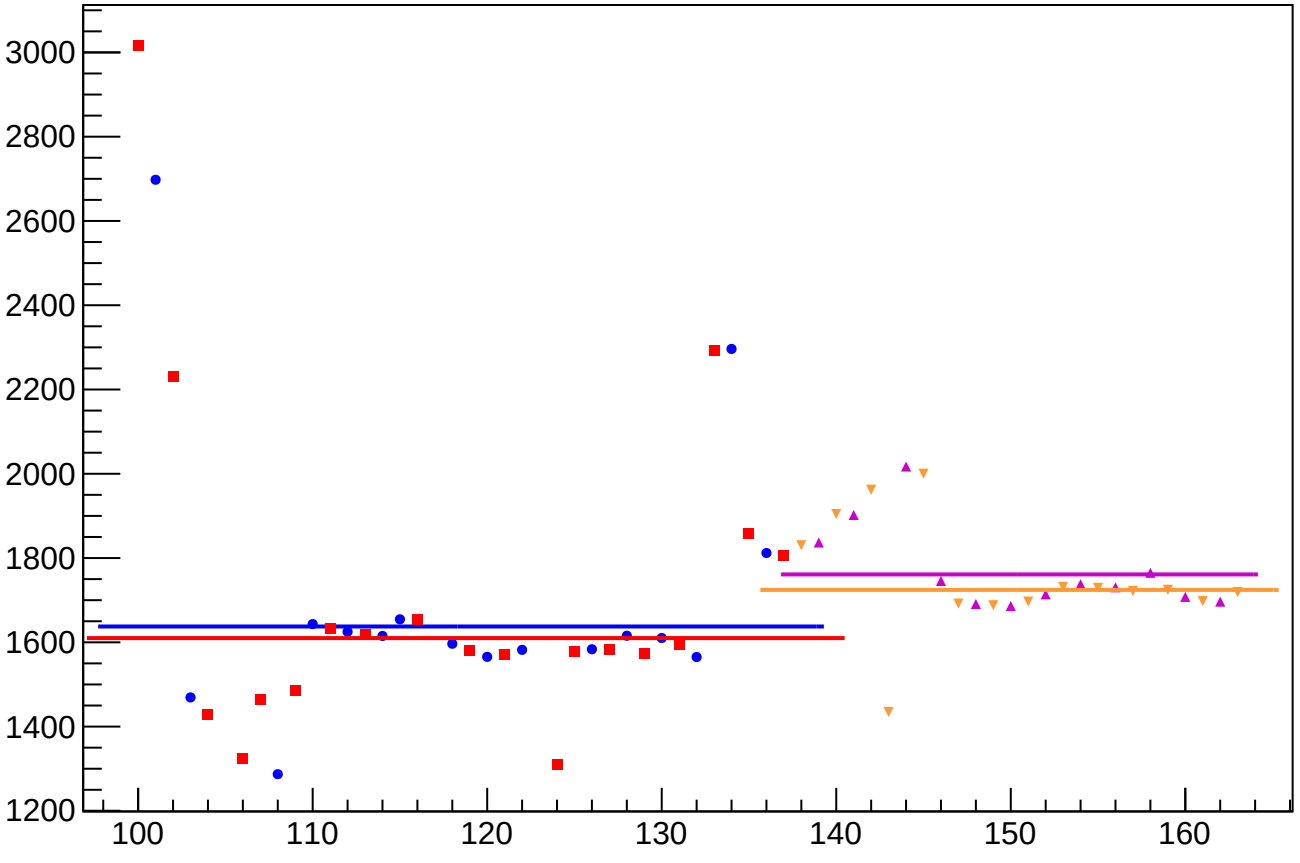
Left In: -299.384+/-547.837 χ^2/NDF:6.2/11

+ sign 482.273+/-396.113 χ^2/NDF: 37.4/29

All: 146.997+/-283.356 χ^2/NDF: 65.8/60

- sign -204.365+/-405.504 χ^2/NDF: 27.0/30

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132941.6/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

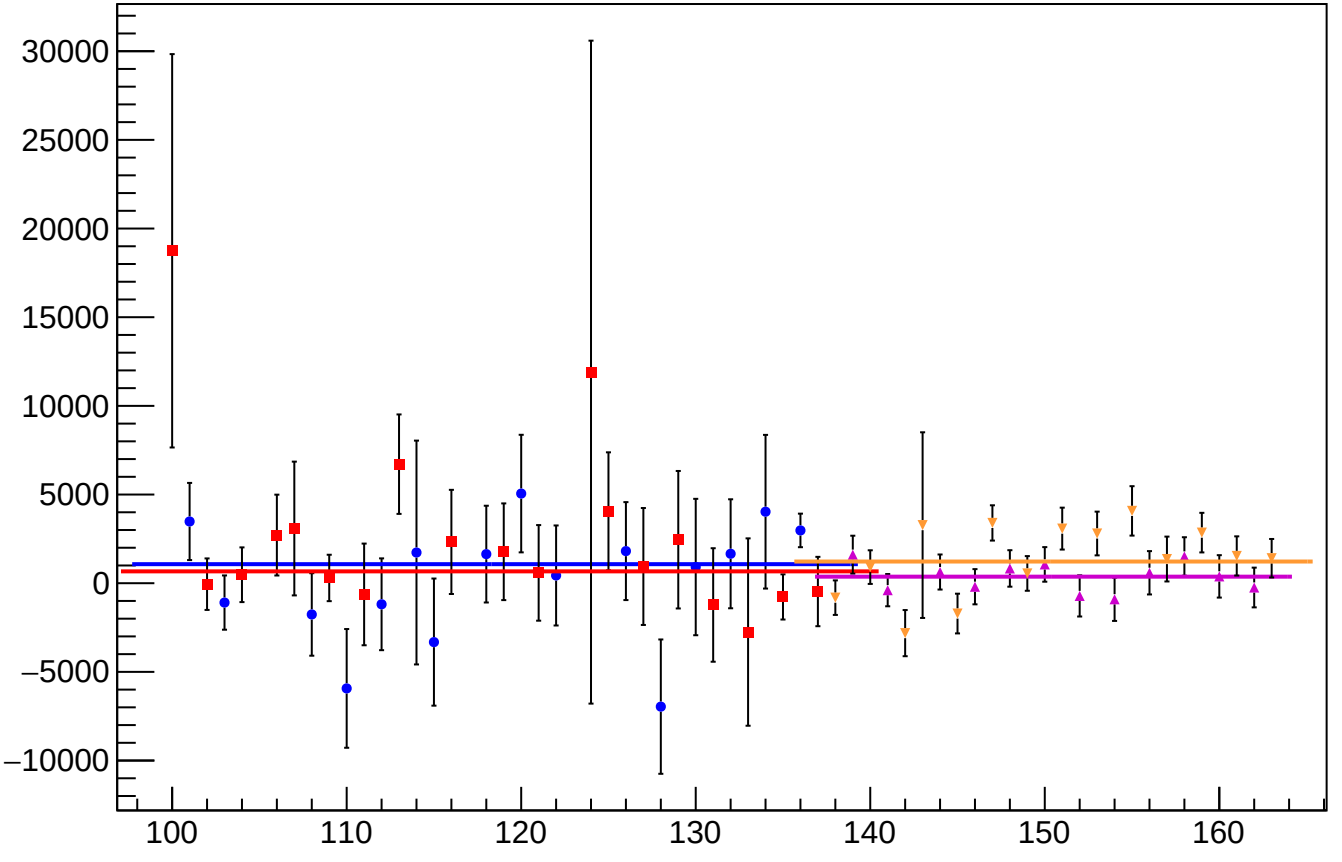
Left In: 1761.182+/-0.387 χ^2/NDF:54307.4/11

+ sign 1688.647+/-0.280 χ^2/NDF: 517641.1/29

All: 1690.699+/-0.200 χ^2/NDF: 921693.2/60

- sign 1692.849+/-0.287 χ^2/NDF: 403942.3/30

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1222.677+/-306.648 χ^2/NDF:37.0/13

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

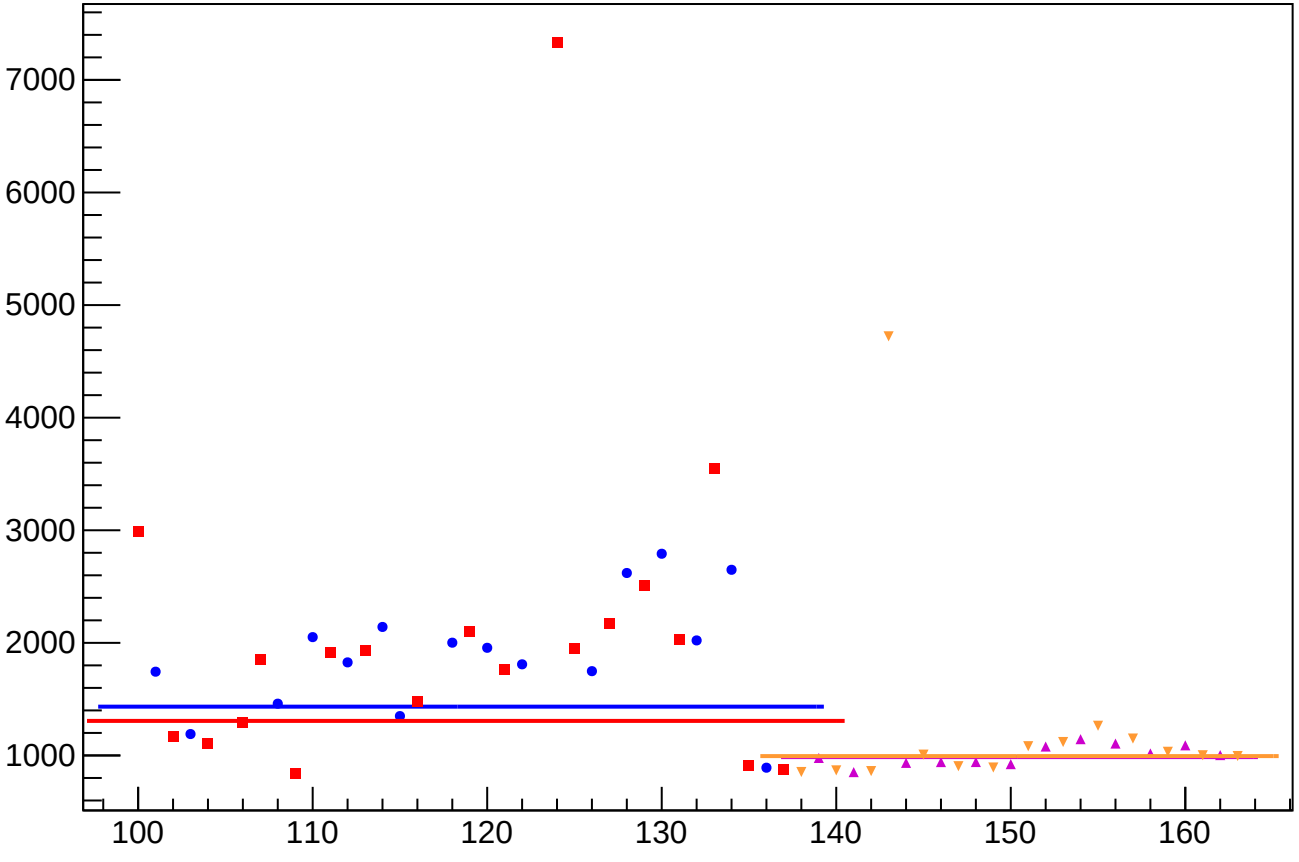
Left In: 368.926+/-307.901 χ^2/NDF:6.5/11

+ sign 1189.361+/-270.220 χ^2/NDF: 59.0/29

All: 810.856+/-189.346 χ^2/NDF: 83.2/60

- sign 445.742+/-265.397 χ^2/NDF: 20.3/30

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 994.241+/-0.217 χ^2/NDF:1290565.3/13

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

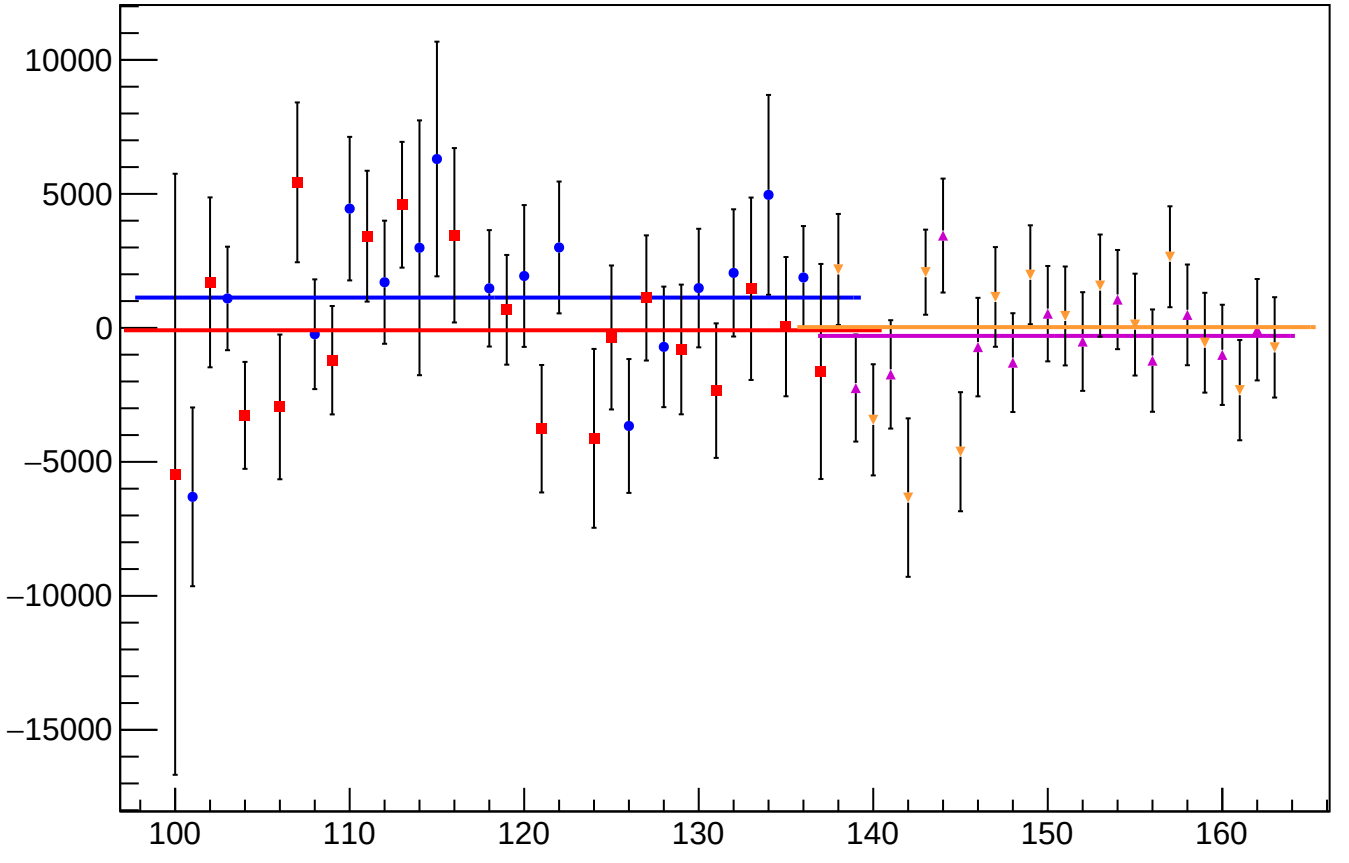
Left In: 985.395+/-0.218 χ^2/NDF:148287.6/11

+ sign 1092.401+/-0.191 χ^2/NDF: 3971080.4/29

All: 1079.994+/-0.134 χ^2/NDF: 6871942.3/60

- sign 1068.025+/-0.188 χ^2/NDF: 2892577.9/30

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 28.194+/-516.504 χ^2/NDF:20.5/13

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

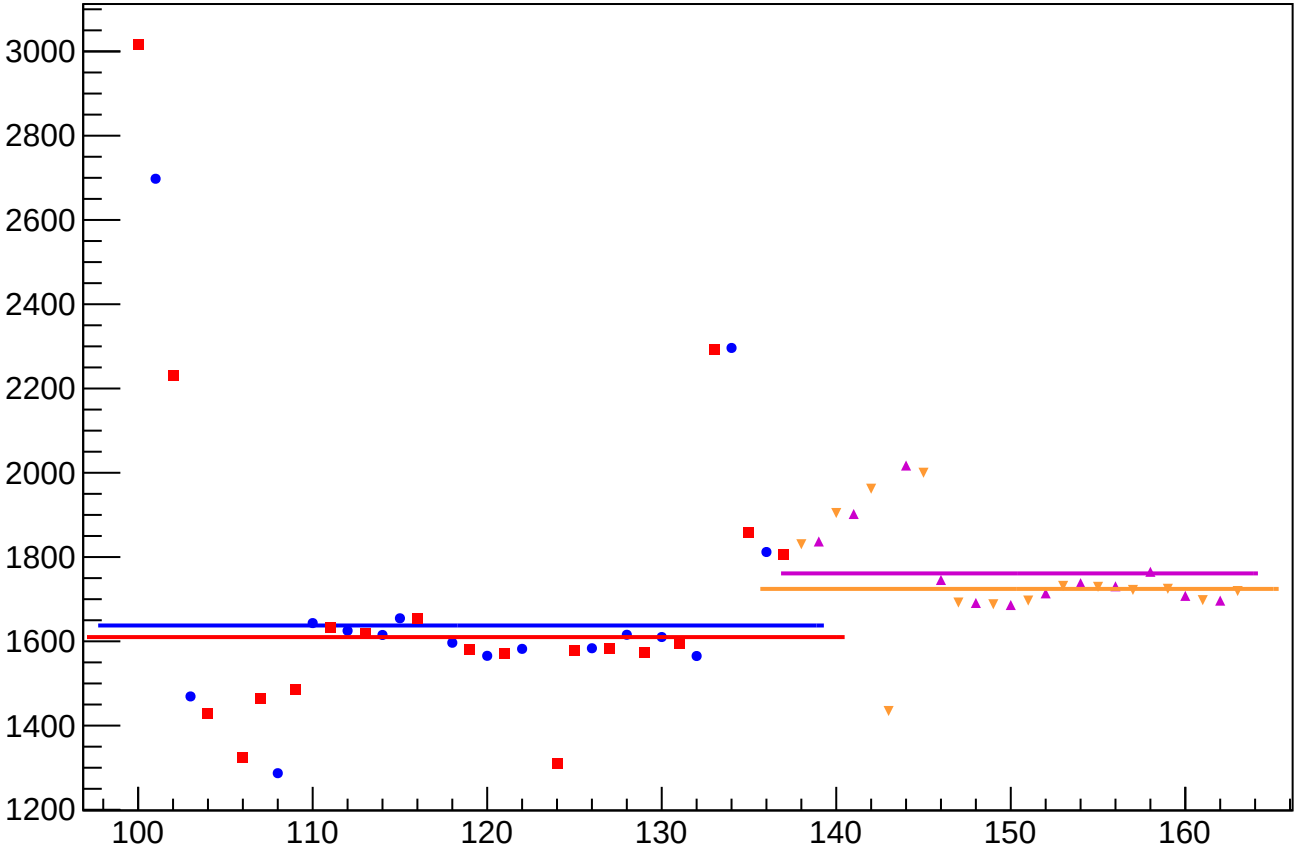
Left In: -299.383+/-547.837 χ^2/NDF:6.2/11

+ sign 482.268+/-396.113 χ^2/NDF: 37.4/29

All: 146.994+/-283.356 χ^2/NDF: 65.8/60

- sign -204.367+/-405.504 χ^2/NDF: 27.0/30

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132940.5/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

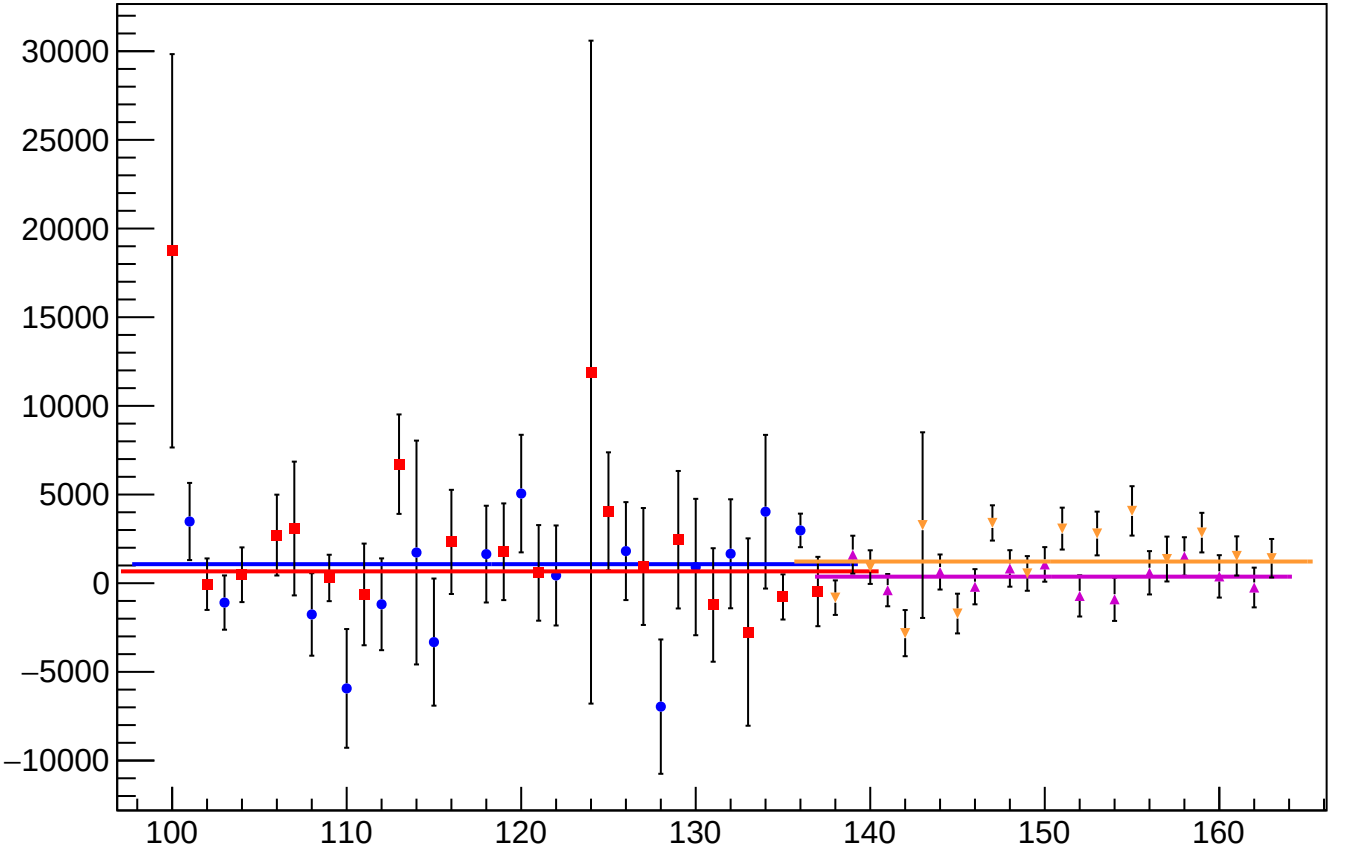
Left In: 1761.182+/-0.387 χ^2/NDF:54307.5/11

+ sign 1688.648+/-0.280 χ^2/NDF: 517640.0/29

All: 1690.699+/-0.200 χ^2/NDF: 921692.6/60

- sign 1692.849+/-0.287 χ^2/NDF: 403942.7/30

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1222.688+/-306.649 χ^2/NDF:37.0/13

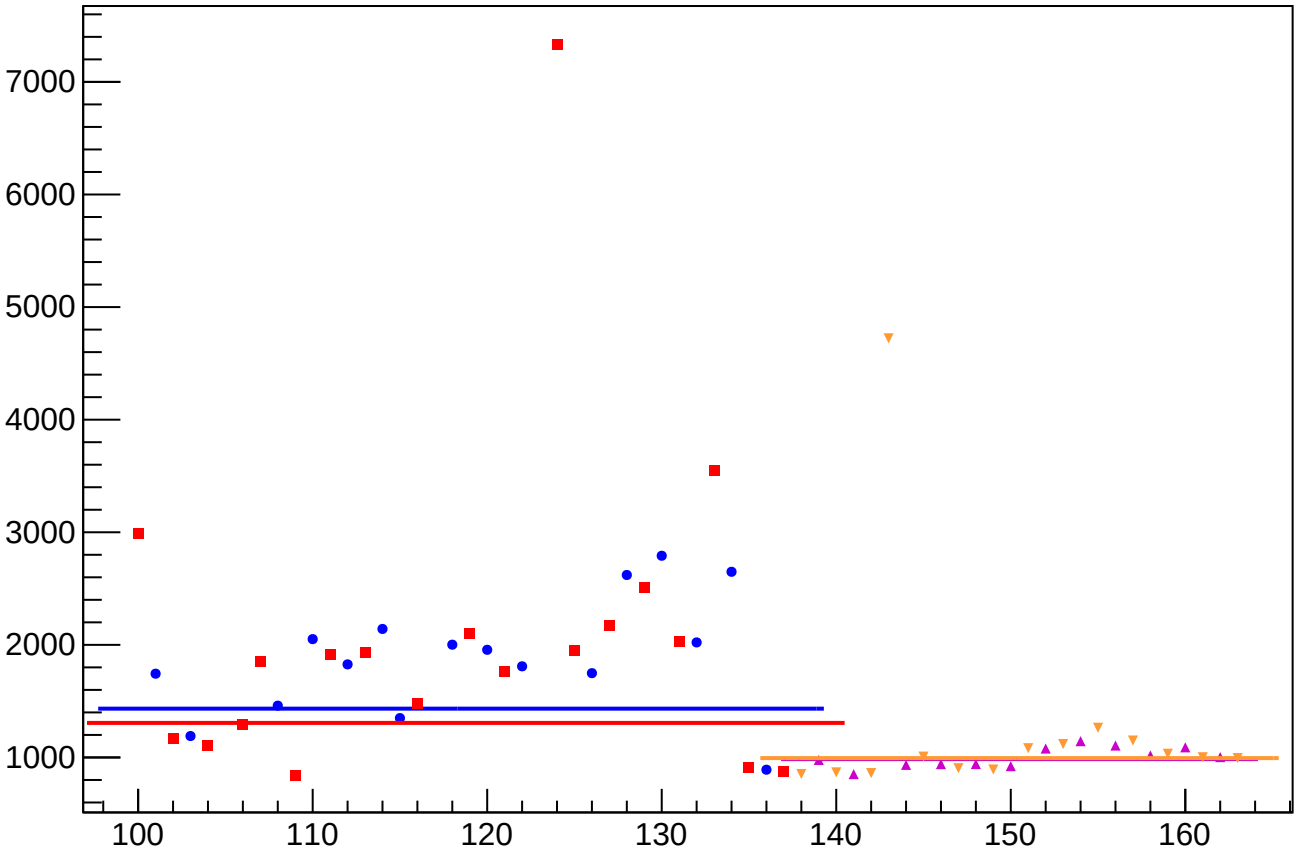
Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: 368.924+/-307.902 χ^2/NDF:6.5/11

+ sign 1189.368+/-270.221 χ^2/NDF: 59.0/29

All: 810.859+/-189.347 χ^2/NDF: 83.2/60

- sign 445.742+/-265.397 χ^2/NDF: 20.3/30



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 994.244+/-0.217 χ^2/NDF:1290544.1/13

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

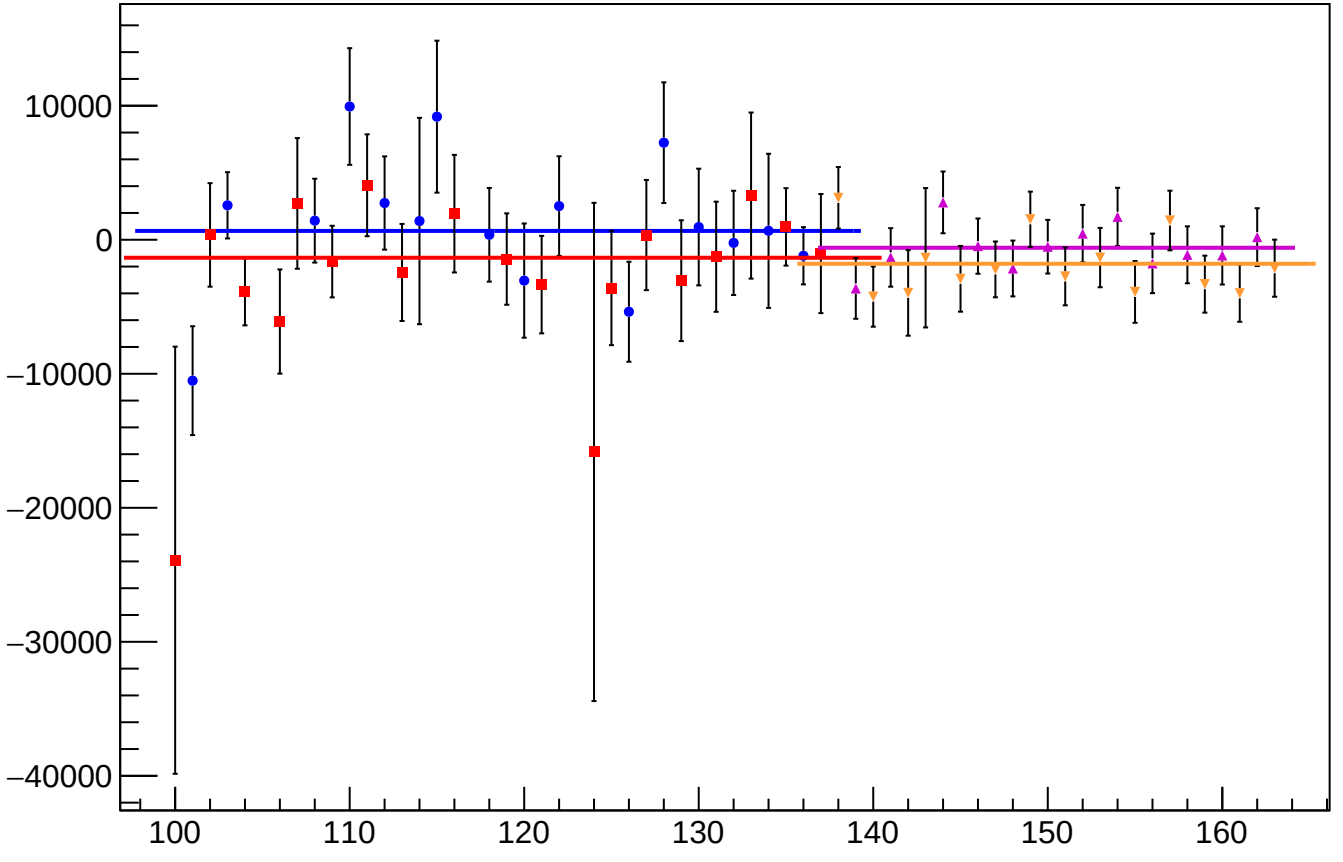
Left In: 985.396+/-0.218 χ^2/NDF:148288.8/11

\+ sign 1092.406+/-0.191 χ^2/NDF: 3971006.7/29

All: 1079.998+/-0.134 χ^2/NDF: 6871835.6/60

\- sign 1068.029+/-0.188 χ^2/NDF: 2892543.9/30

asym_at2_dd_mean vs Slug



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1790.144+/-617.136 χ^2/NDF:13.9/13

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

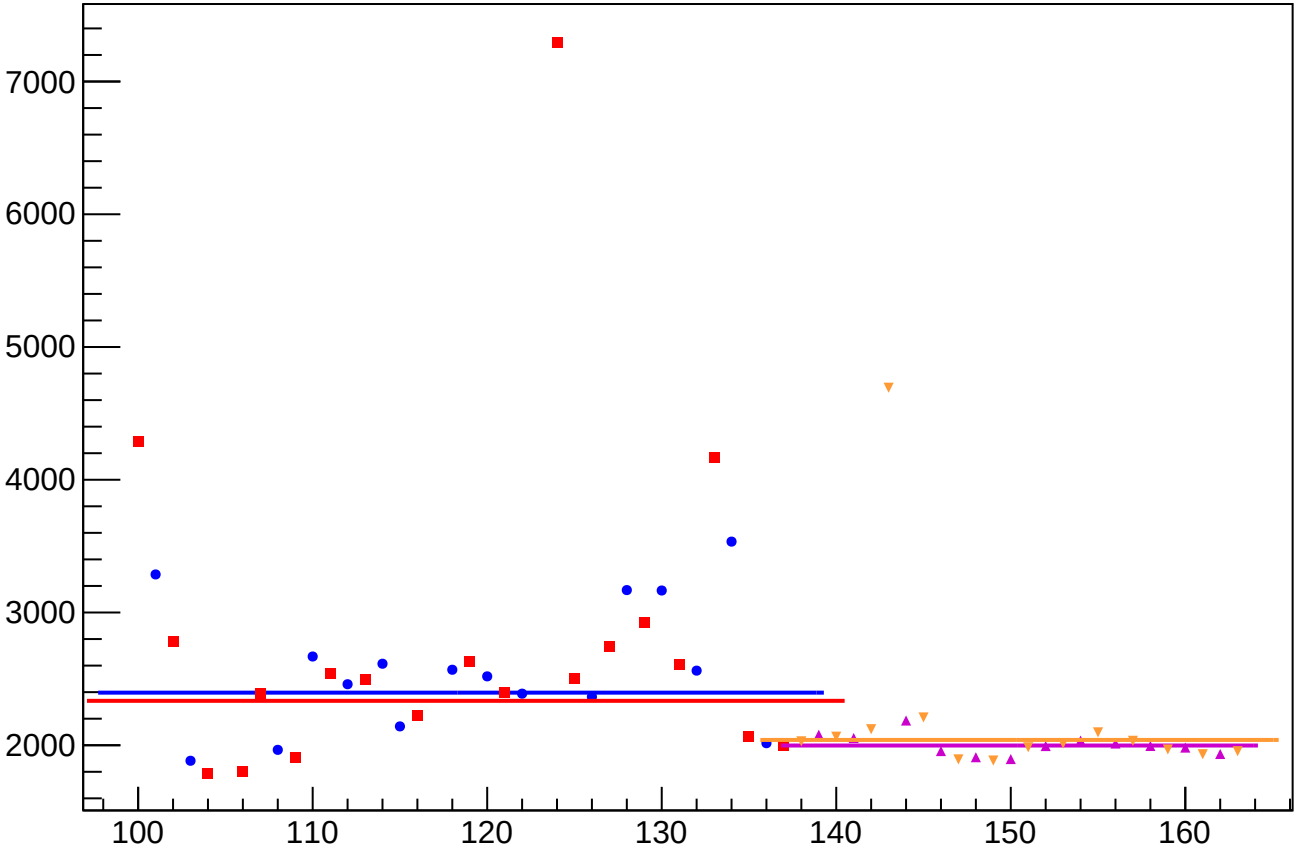
Left In: -596.866+/-621.180 χ^2/NDF:6.5/11

\+ sign -1017.948+/-510.684 χ^2/NDF: 40.8/29

All: -929.134+/-360.684 χ^2/NDF: 58.7/60

\- sign -840.736+/-509.487 χ^2/NDF: 17.8/30

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2040.057+/-0.436 χ^2/NDF:566278.3/13

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

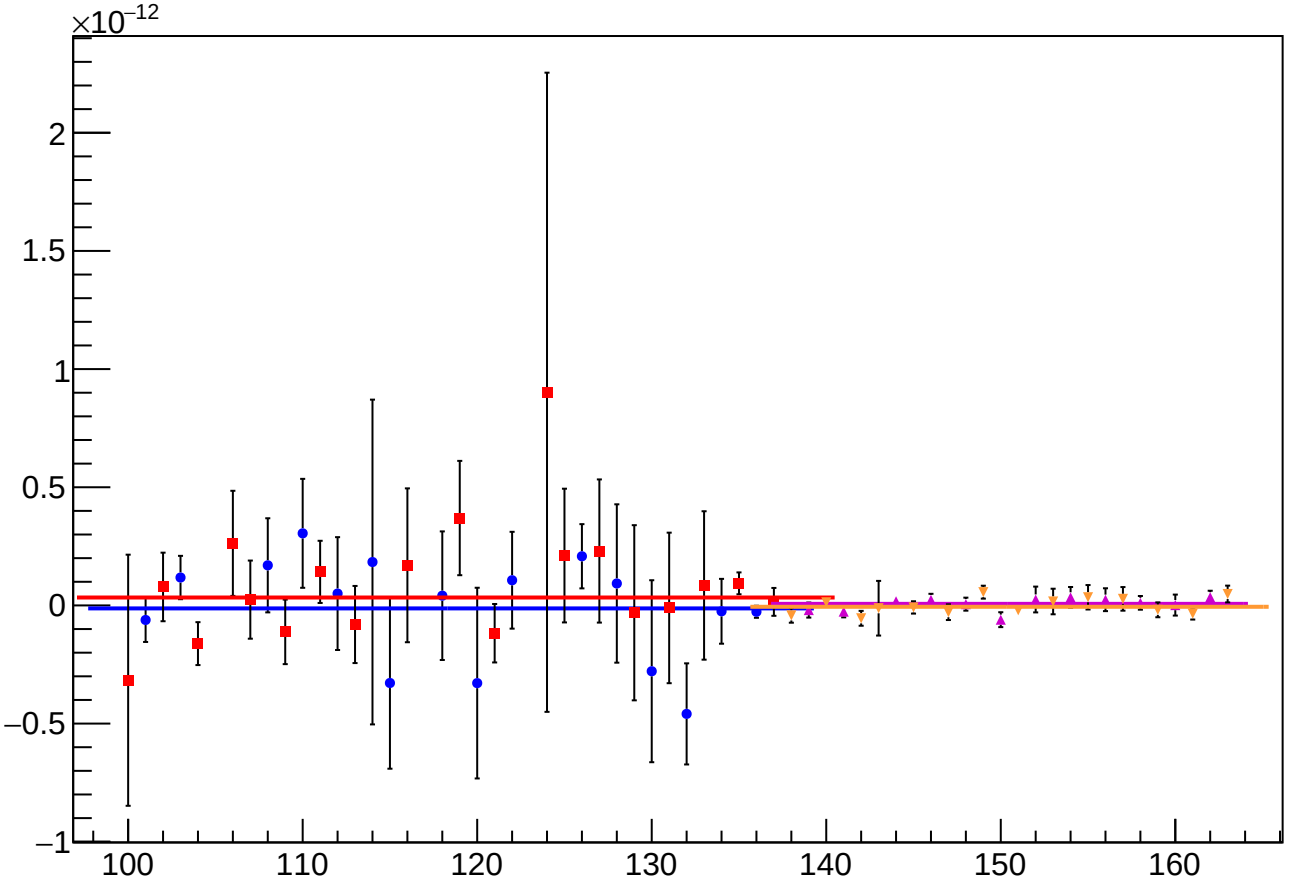
Left In: 1997.992+/-0.439 χ^2/NDF:29397.5/11

+ sign 2152.349+/-0.361 χ^2/NDF: 1284231.6/29

All: 2130.201+/-0.255 χ^2/NDF: 2194903.7/60

- sign 2108.157+/-0.360 χ^2/NDF: 903166.3/30

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:16.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

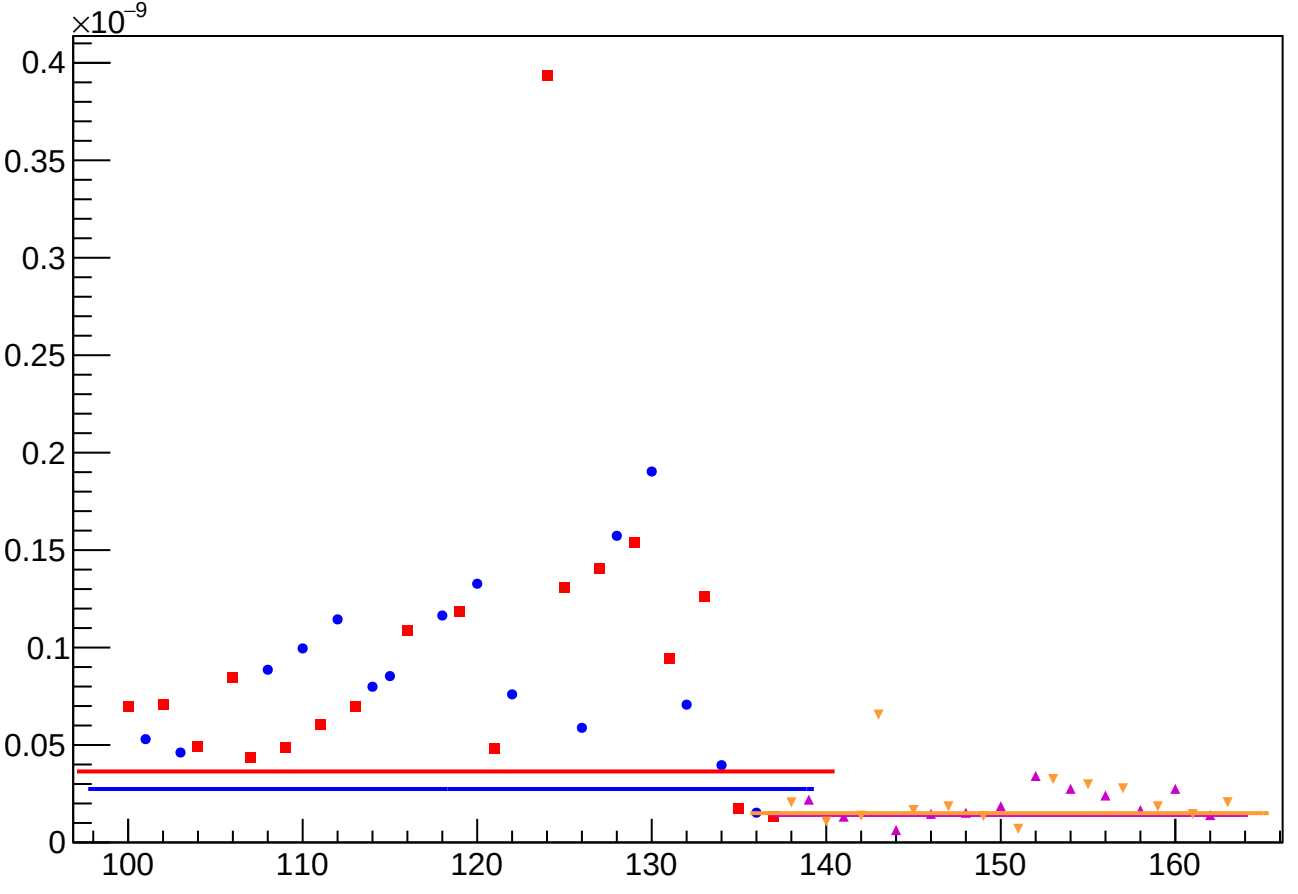
Left In: 0.000+/-0.000 χ^2/NDF:9.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/29

All: 0.000+/-0.000 χ^2/NDF: 58.8/60

- sign 0.000+/-0.000 χ^2/NDF: 25.8/30

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:1544393.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

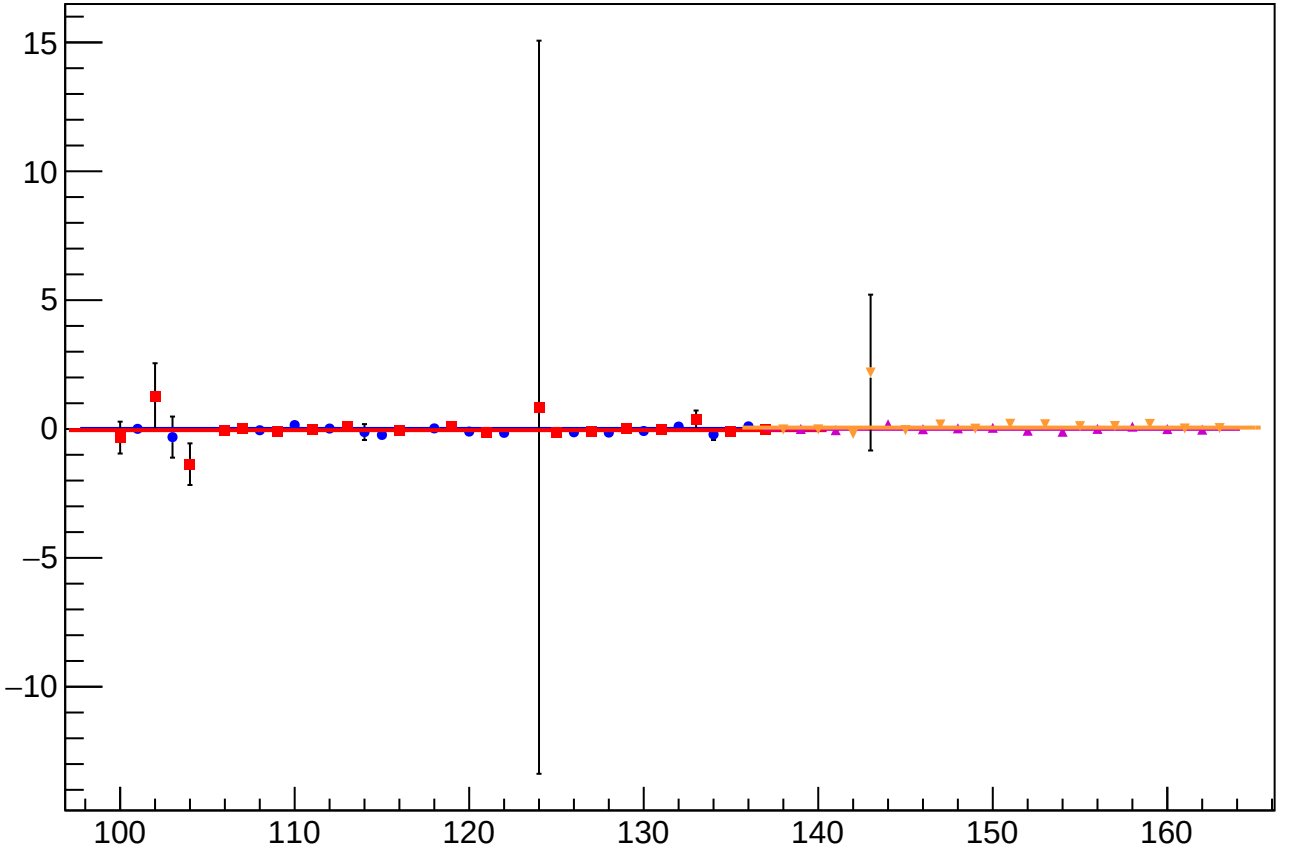
Left In: 0.000+/-0.000 χ^2/NDF:1536323.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 4827546.5/29

All: 0.000+/-0.000 χ^2/NDF: 9992232.2/60

- sign 0.000+/-0.000 χ^2/NDF: 5156917.7/30

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

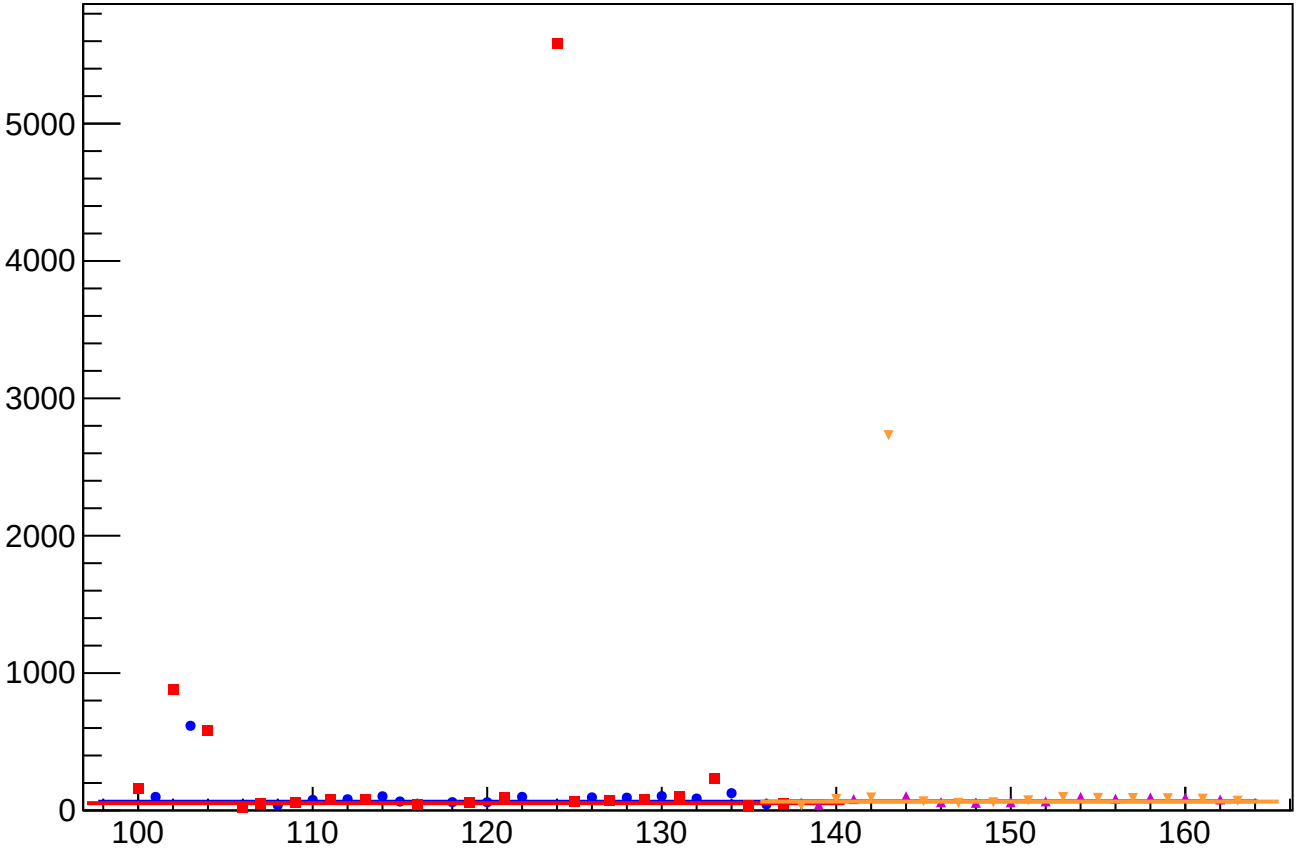
Left In: 0.006+/-0.023 χ^2/NDF:6.1/11

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.009+/-0.012 χ^2/NDF: 60.3/60

- sign -0.016+/-0.017 χ^2/NDF: 21.0/30

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

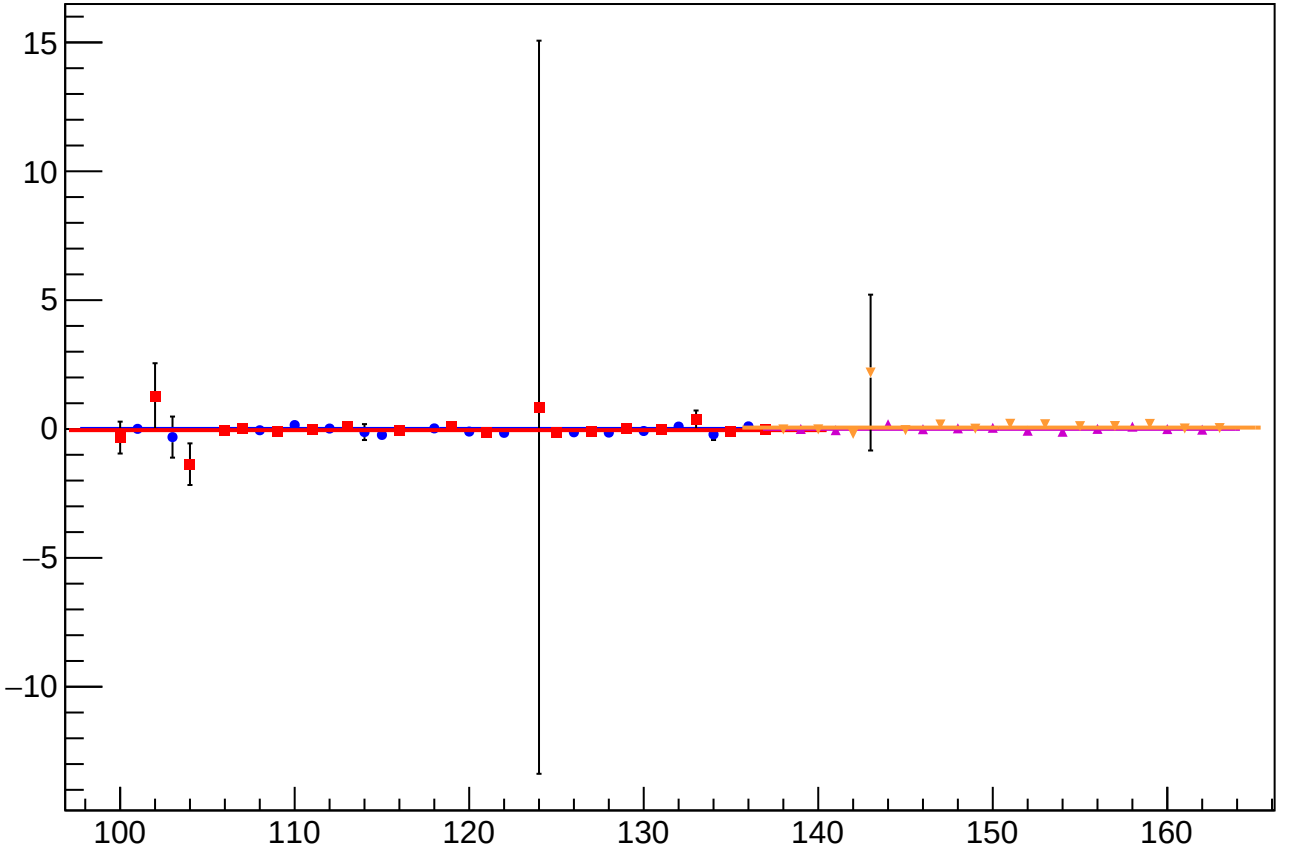
Left In: 66.681+/-0.016 χ^2/NDF:1515176.0/11

+ sign 64.140+/-0.012 χ^2/NDF: 5826358.1/29

All: 62.323+/-0.008 χ^2/NDF: 11653971.1/60

- sign 60.587+/-0.012 χ^2/NDF: 5783383.2/30

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

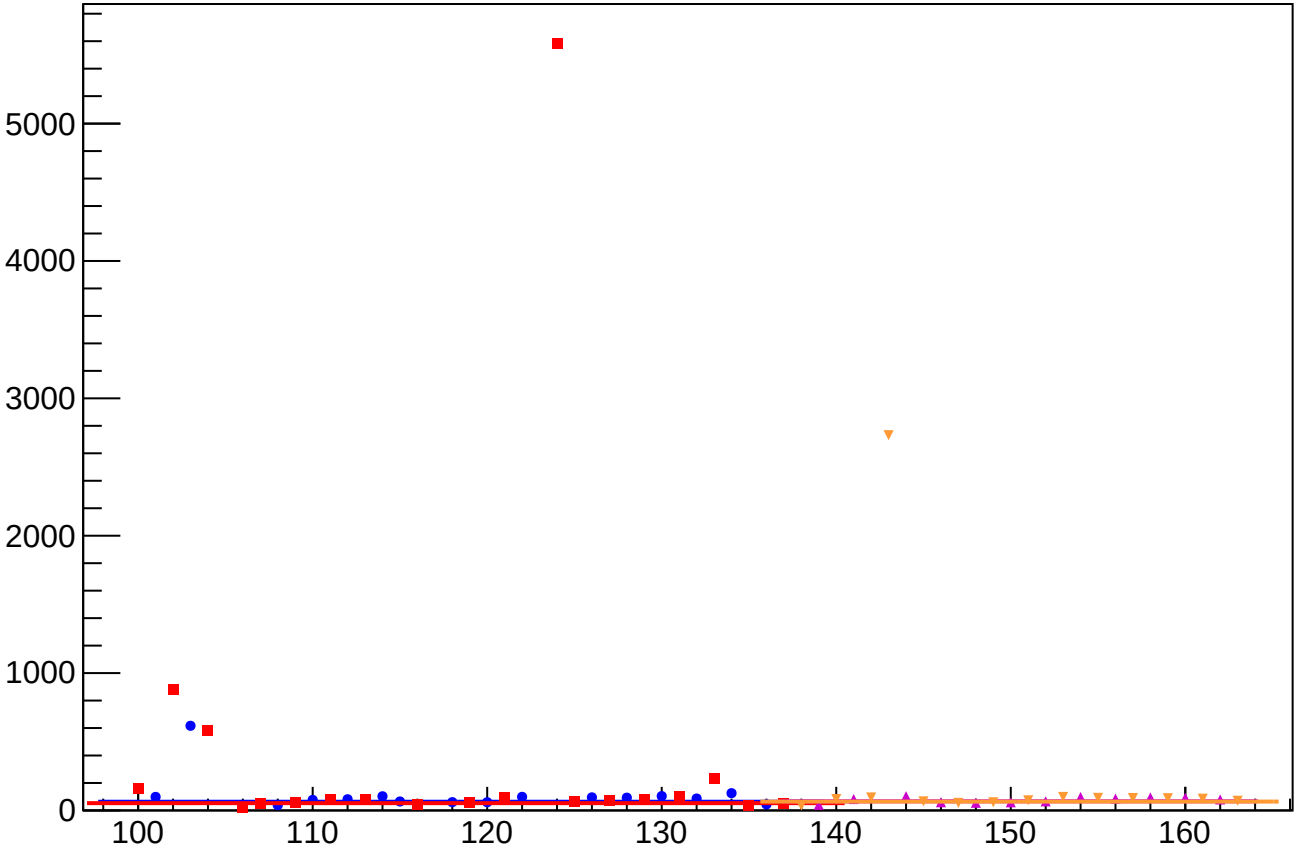
Left In: 0.006+/-0.023 χ^2/NDF:6.1/11

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.009+/-0.012 χ^2/NDF: 60.3/60

- sign -0.016+/-0.017 χ^2/NDF: 21.0/30

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: 64.586+/-0.016 χ^2/NDF:3379007.2/13

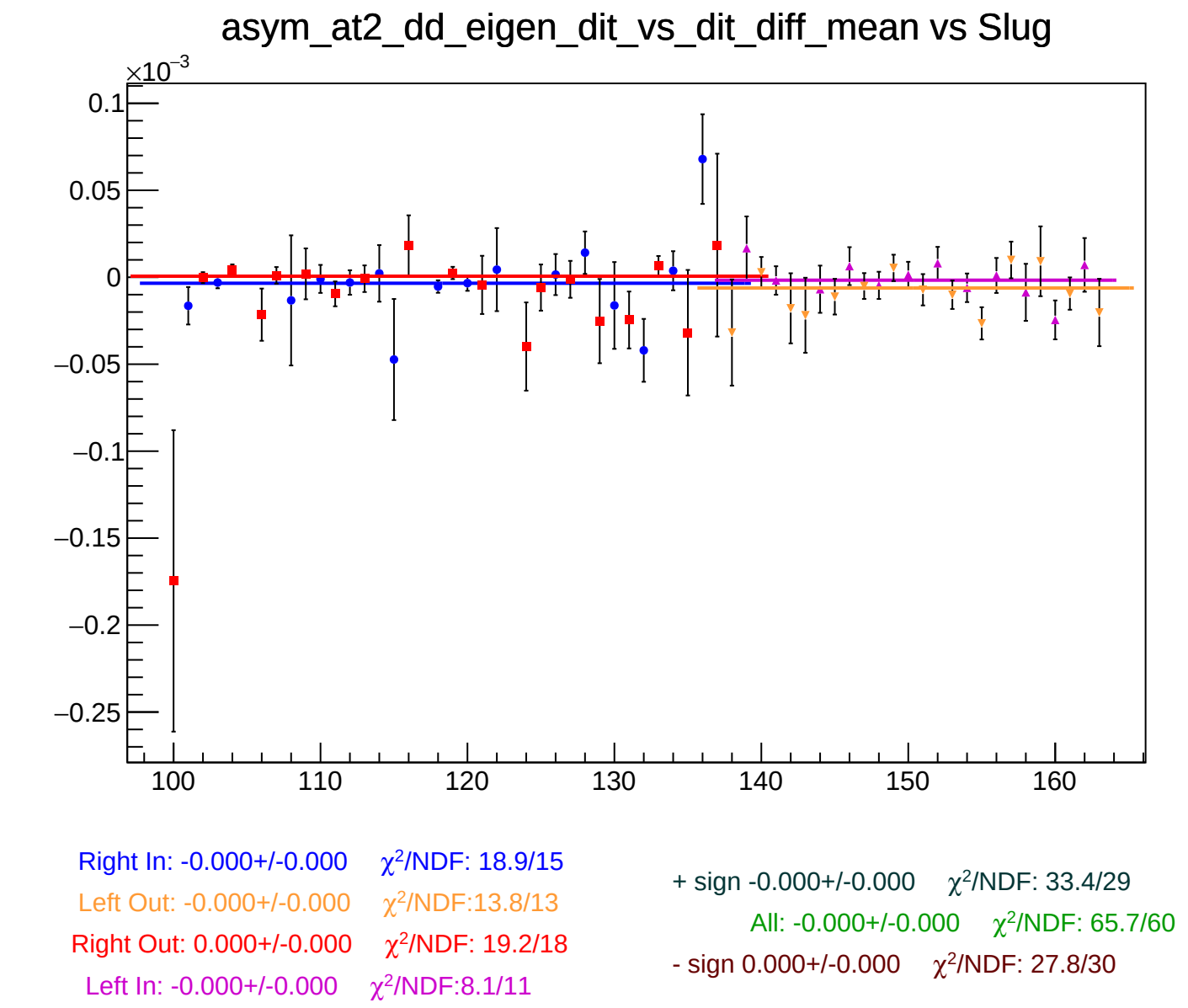
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

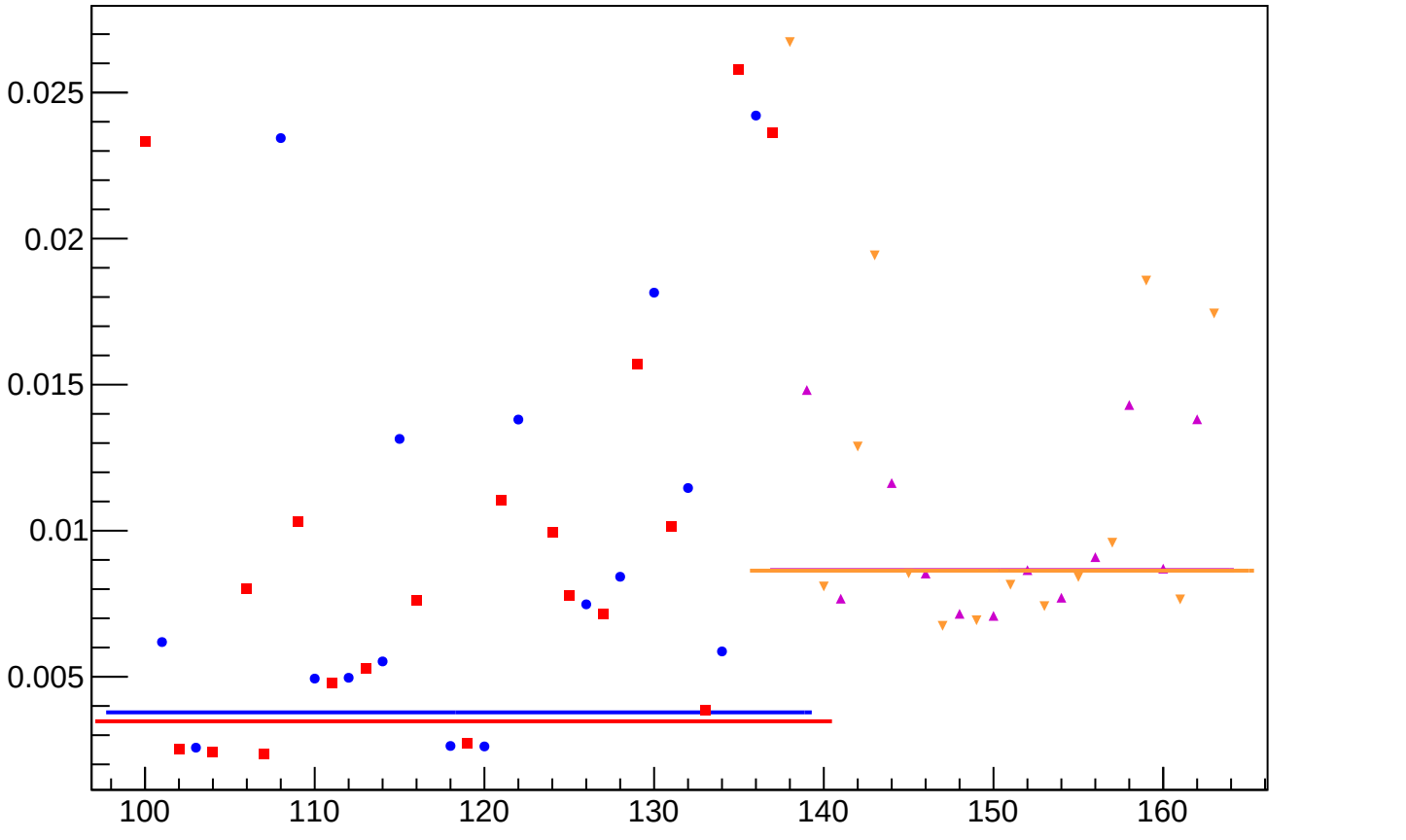
Left In: 66.681+/-0.016 χ^2/NDF:1515176.0/11

+ sign 64.140+/-0.012 χ^2/NDF: 5826358.1/29

All: 62.323+/-0.008 χ^2/NDF: 11653971.1/60

- sign 60.587+/-0.012 χ^2/NDF: 5783383.2/30


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 18.9/15
Left Out: -0.000+/-0.000 χ²/NDF:13.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 19.2/18
Left In: -0.000+/-0.000 χ²/NDF:8.1/11
+ sign -0.000+/-0.000 χ²/NDF: 33.4/29
All: -0.000+/-0.000 χ²/NDF: 65.7/60
- sign 0.000+/-0.000 χ²/NDF: 27.8/30



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:2523224.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

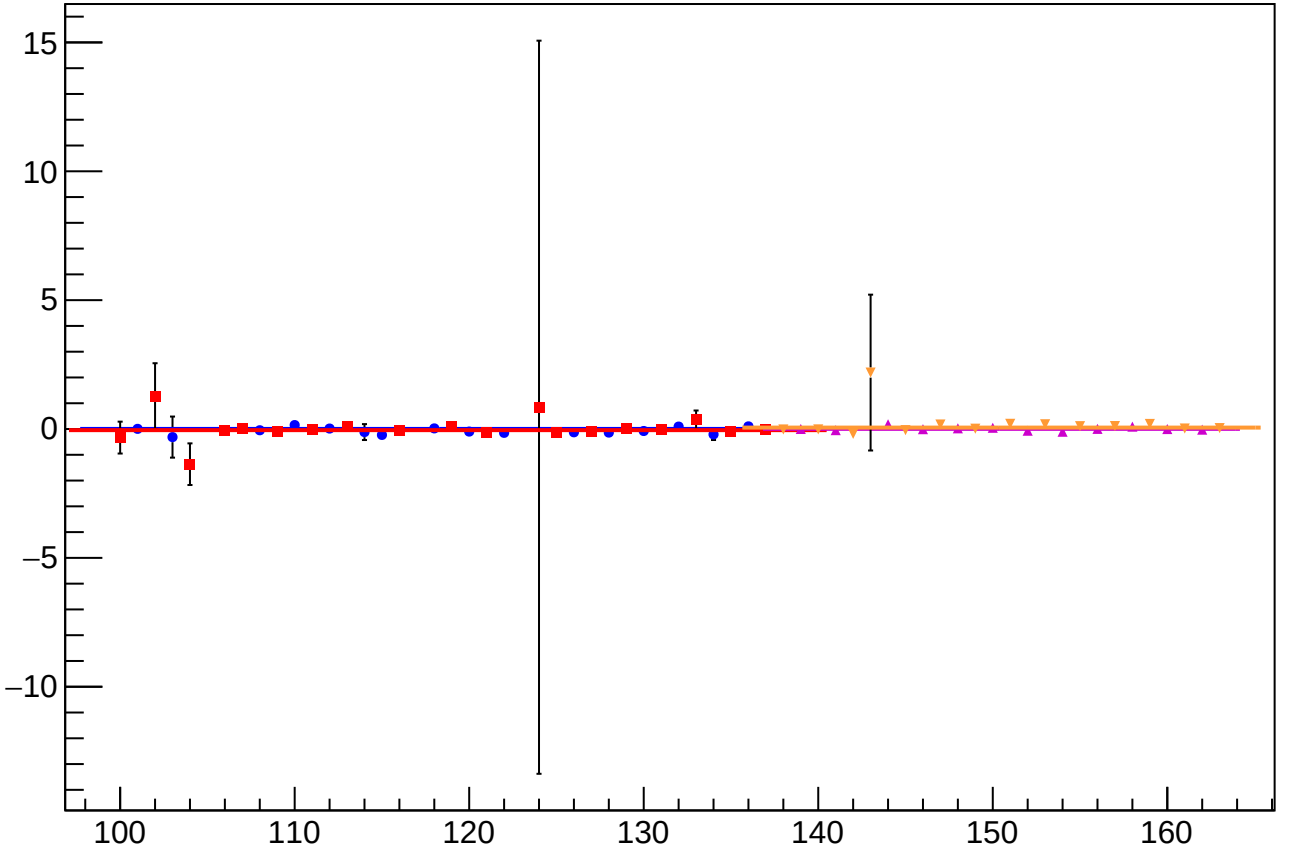
Left In: 0.009+/-0.000 χ^2/NDF:1005885.6/11

+ sign 0.005+/-0.000 χ^2/NDF: 11470917.9/29

All: 0.005+/-0.000 χ^2/NDF: 22087218.1/60

- sign 0.005+/-0.000 χ^2/NDF: 10432167.7/30

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

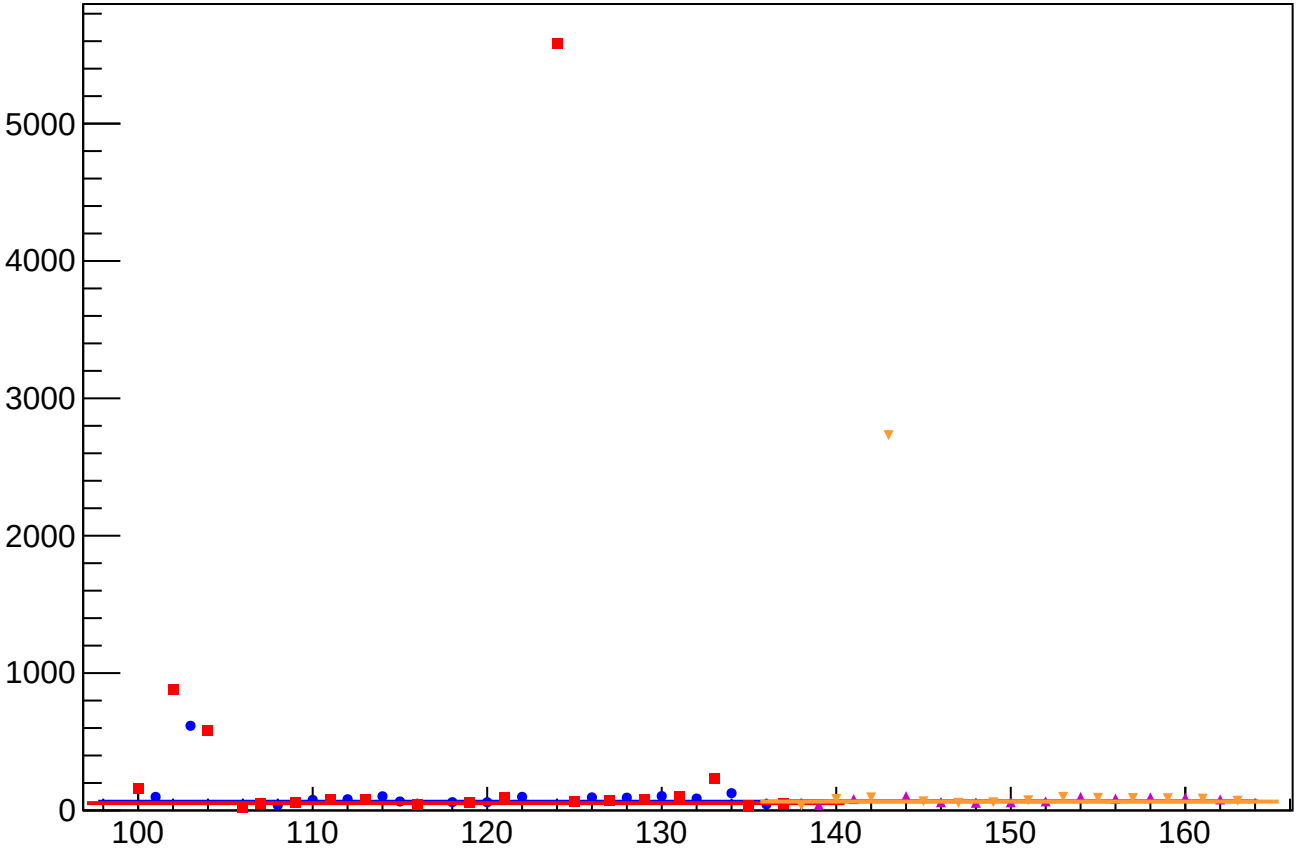
Left In: 0.006+/-0.023 χ^2/NDF:6.1/11

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.009+/-0.012 χ^2/NDF: 60.3/60

- sign -0.016+/-0.017 χ^2/NDF: 21.0/30

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: 64.583+/-0.016 χ^2/NDF:3379029.6/13

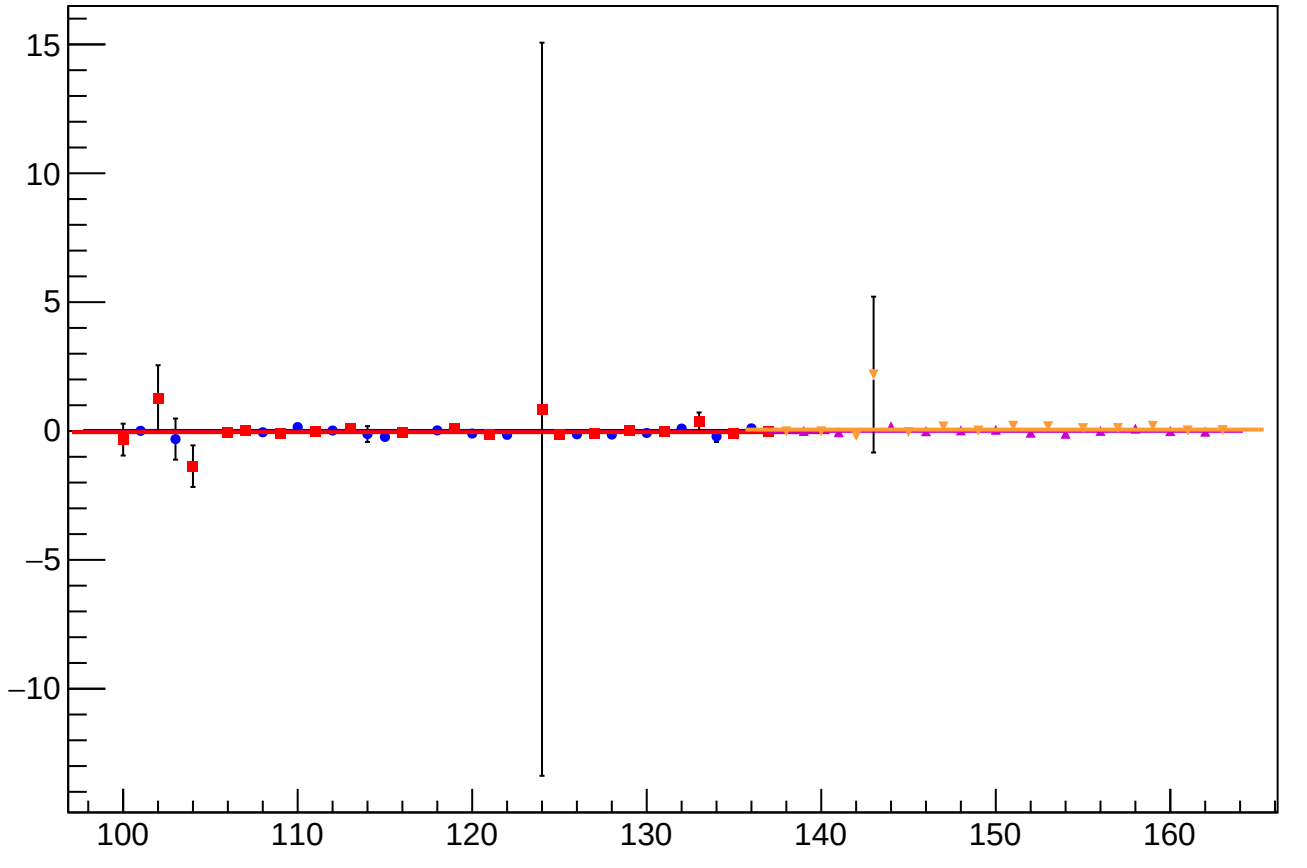
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 66.684+/-0.016 χ^2/NDF:1514694.7/11

+ sign 64.141+/-0.012 χ^2/NDF: 5825438.1/29

All: 62.323+/-0.008 χ^2/NDF: 11653583.6/60

- sign 60.585+/-0.012 χ^2/NDF: 5783843.0/30



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

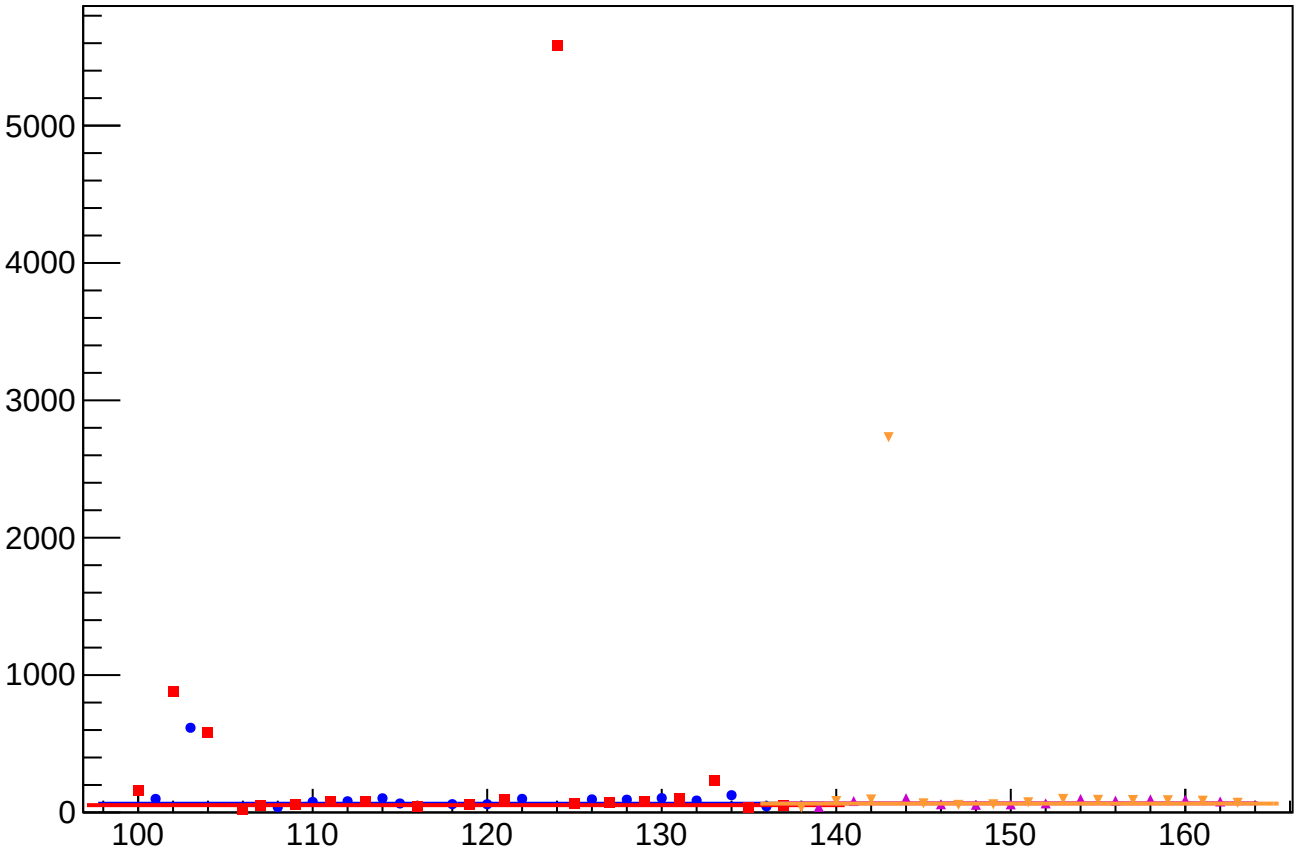
Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.023 χ^2/NDF:6.1/11

+ sign 0.035+/-0.017 χ^2/NDF: 34.8/29

All: 0.009+/-0.012 χ^2/NDF: 60.3/60

- sign -0.016+/-0.017 χ^2/NDF: 21.0/30



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

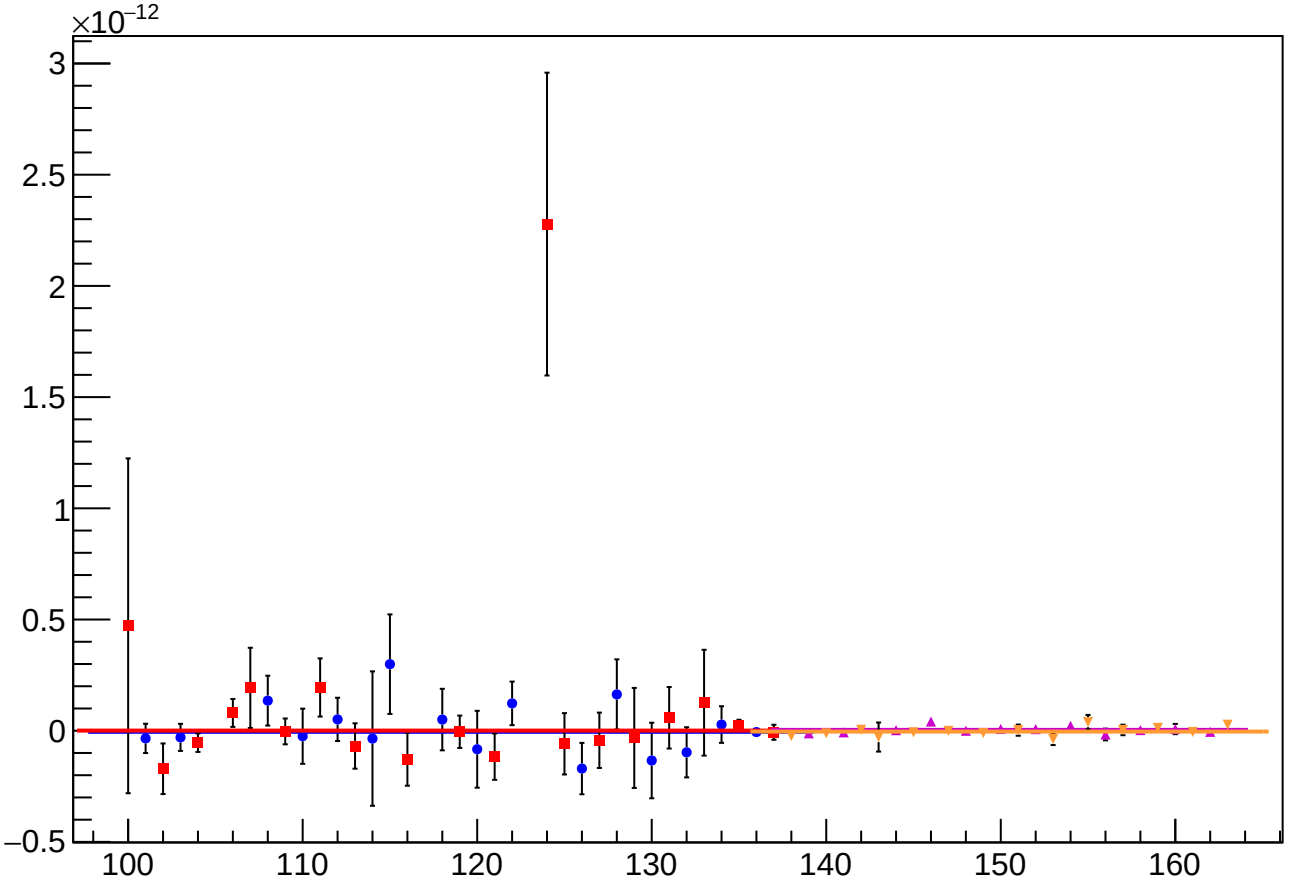
Left In: 66.684+/-0.016 χ^2/NDF:1514694.7/11

+ sign 64.141+/-0.012 χ^2/NDF: 5825438.1/29

All: 62.323+/-0.008 χ^2/NDF: 11653583.6/60

- sign 60.585+/-0.012 χ^2/NDF: 5783843.0/30

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:9.6/13

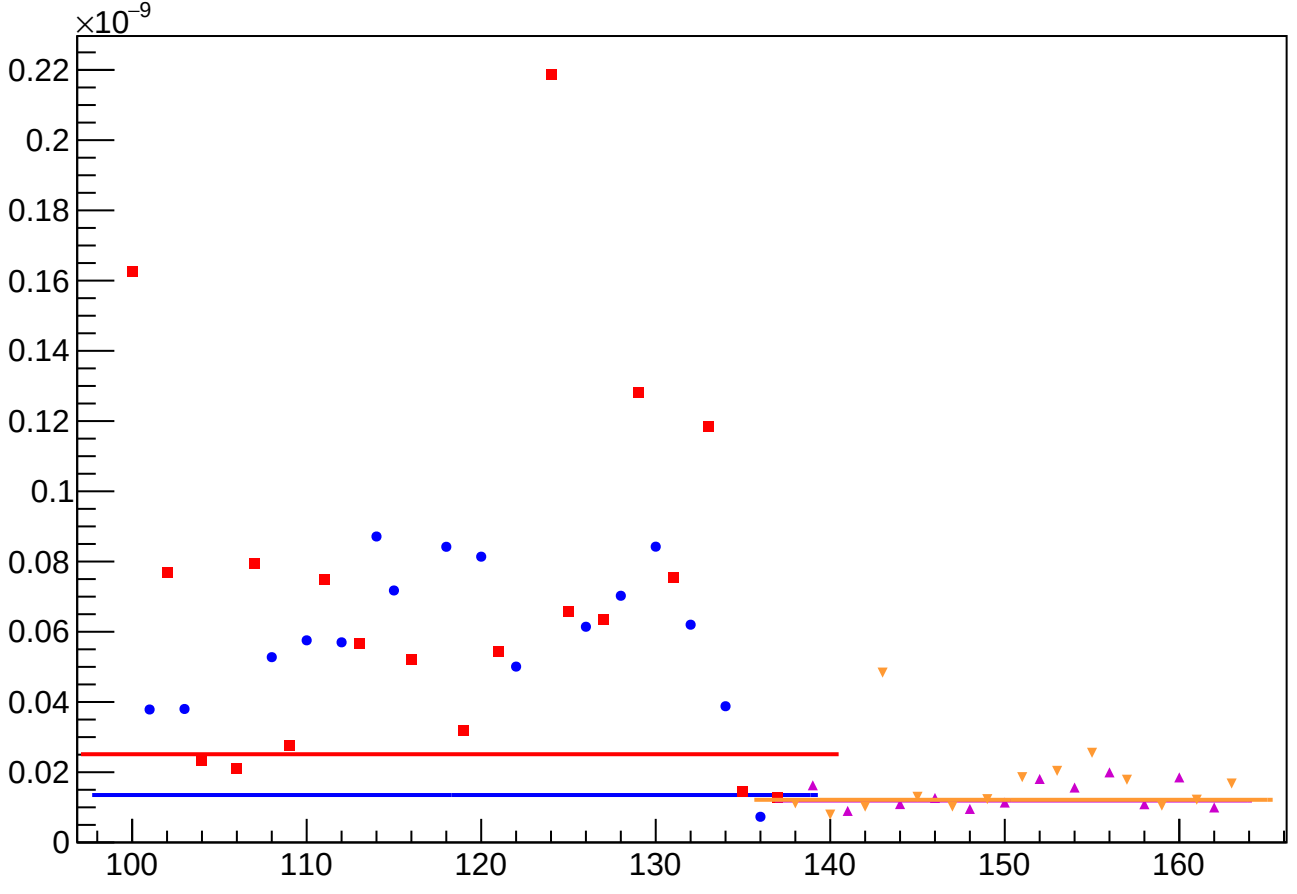
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 20.4/29

All: -0.000+/-0.000 χ^2/NDF: 55.8/60

- sign 0.000+/-0.000 χ^2/NDF: 33.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910286.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

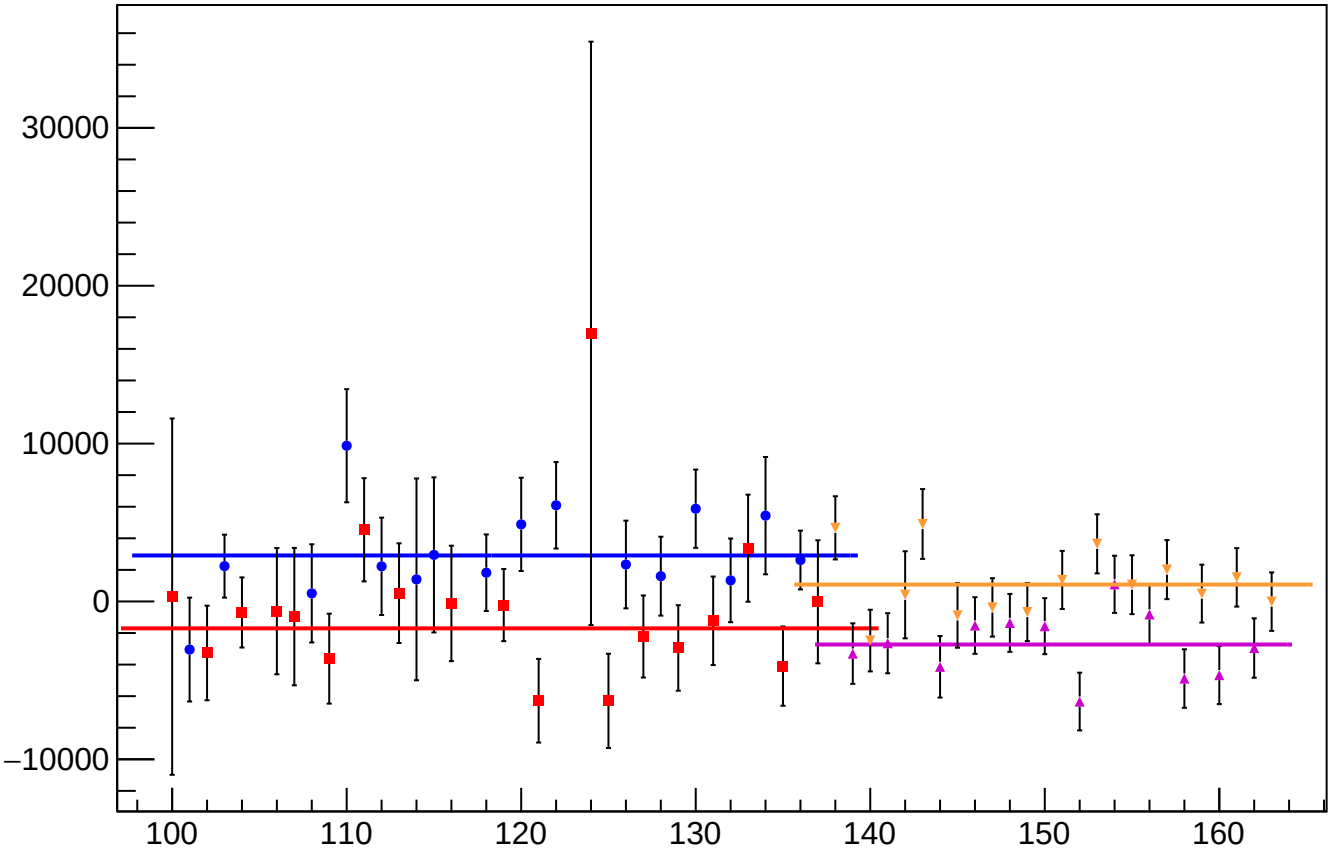
Left In: 0.000+/-0.000 χ^2/NDF:883964.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 6932769.1/29

All: 0.000+/-0.000 χ^2/NDF: 12822212.2/60

- sign 0.000+/-0.000 χ^2/NDF: 5861341.0/30

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.190+/-519.380 χ^2/NDF:14.7/13

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

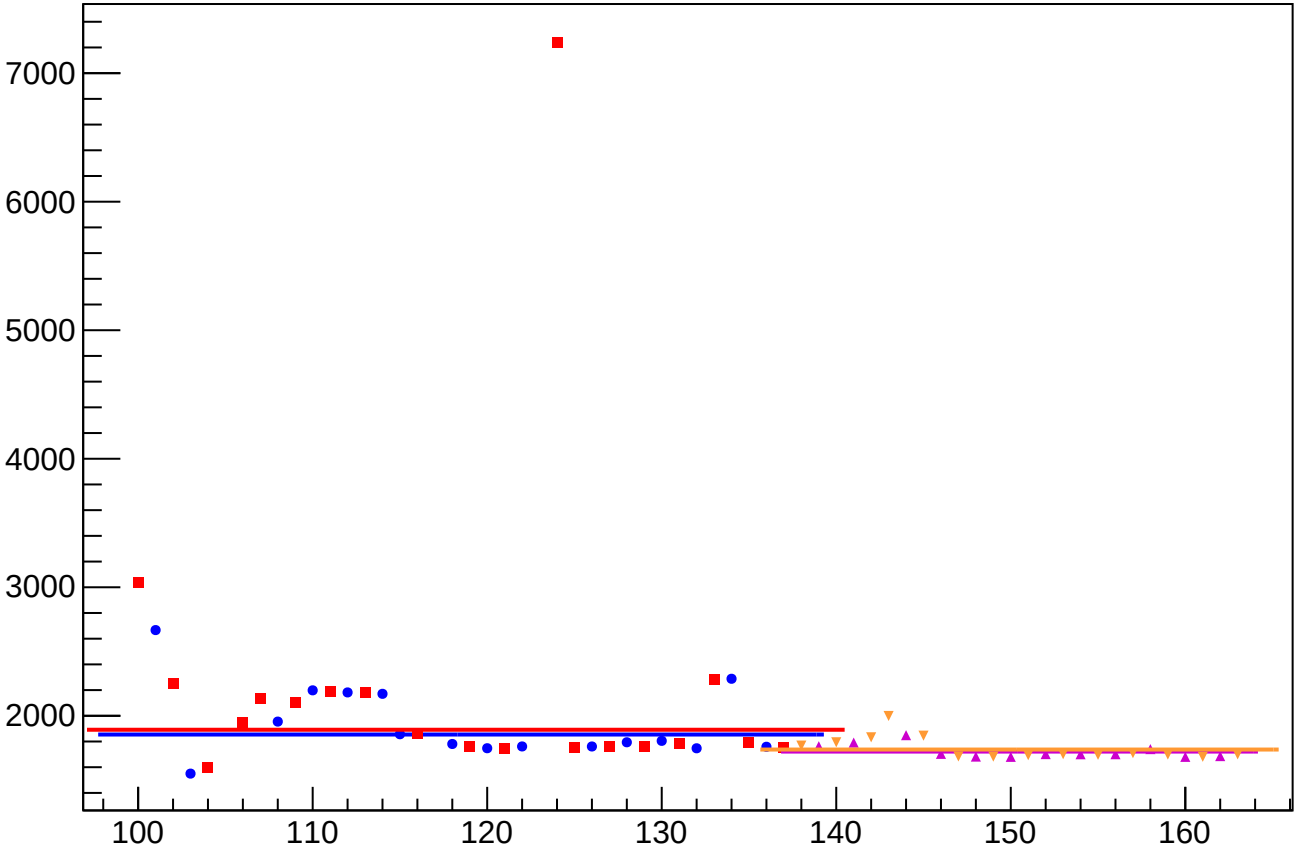
Left In: -2727.151+/-535.010 χ^2/NDF:13.9/11

+ sign 1730.474+/-416.054 χ^2/NDF: 31.6/29

All: -261.094+/-297.850 χ^2/NDF: 109.7/60

- sign -2354.820+/-426.591 χ^2/NDF: 31.0/30

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

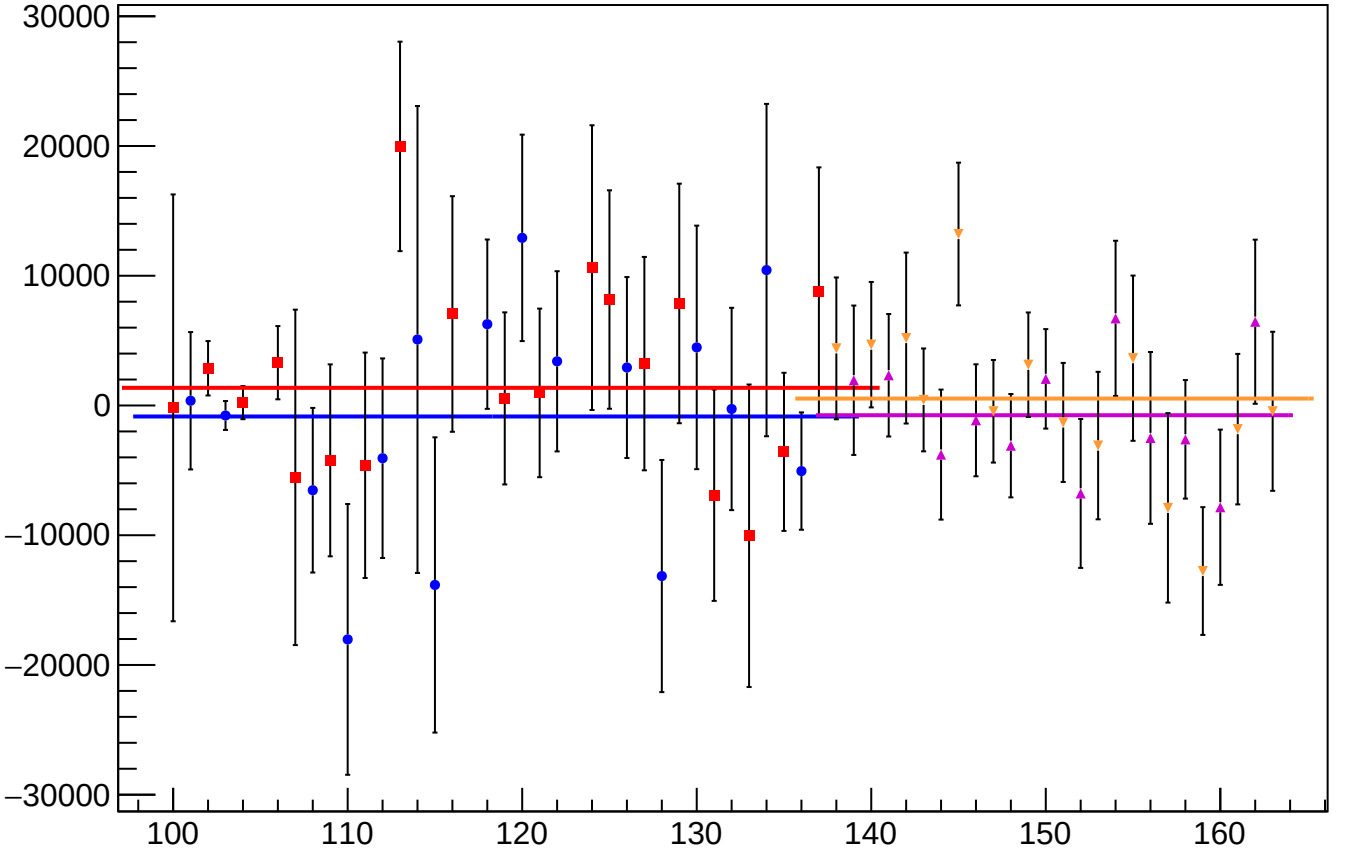
Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.5/29

All: 1781.448+/-0.211 χ^2/NDF: 802697.0/60

- sign 1783.663+/-0.301 χ^2/NDF: 454706.9/30

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 533.609+/-1359.589 χ^2/NDF:17.2/13

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

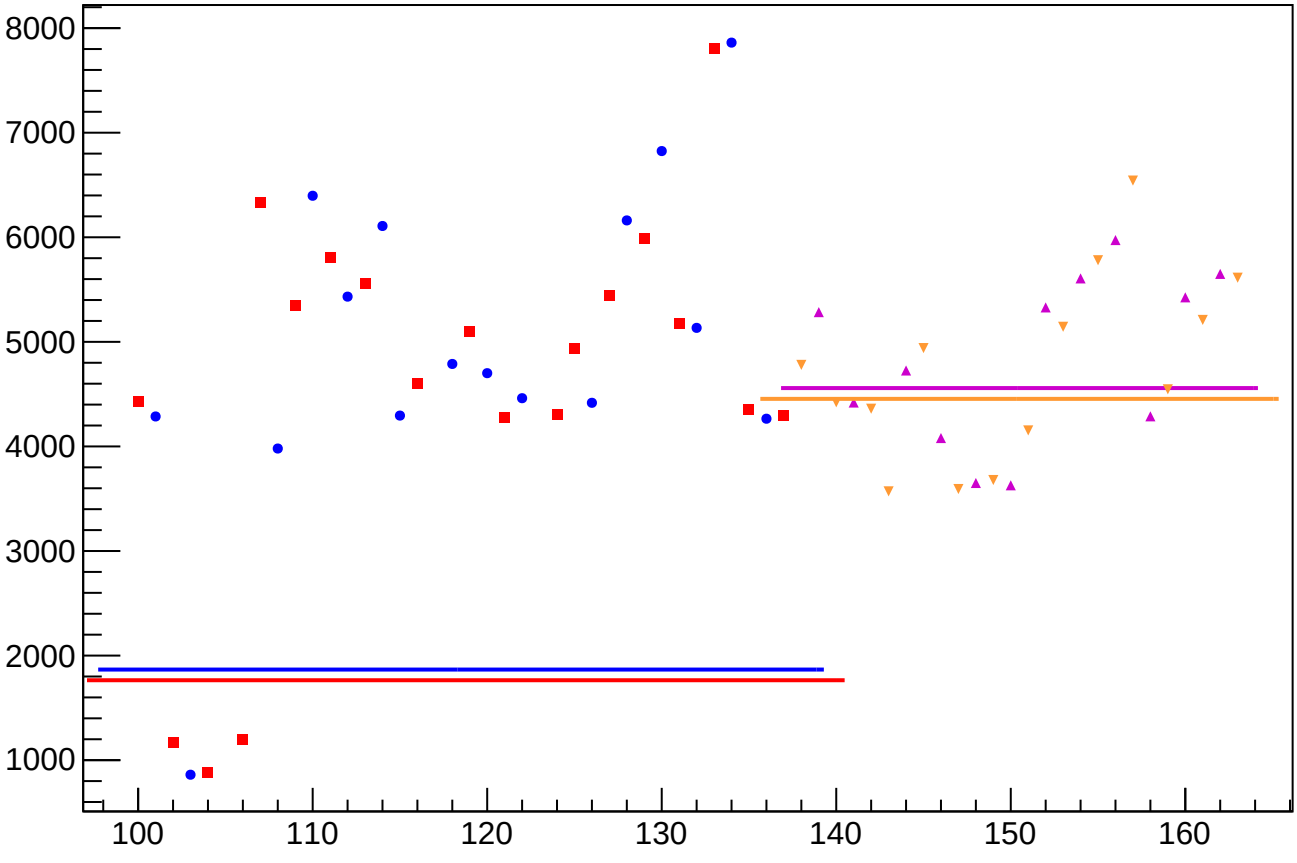
Left In: -751.452+/-1441.127 χ^2/NDF:7.5/11

+ sign -386.462+/-785.800 χ^2/NDF: 31.7/29

All: 192.912+/-551.067 χ^2/NDF: 55.8/60

- sign 753.582+/-773.011 χ^2/NDF: 23.0/30

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4454.835+/-0.961 χ^2/NDF:686087.6/13

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

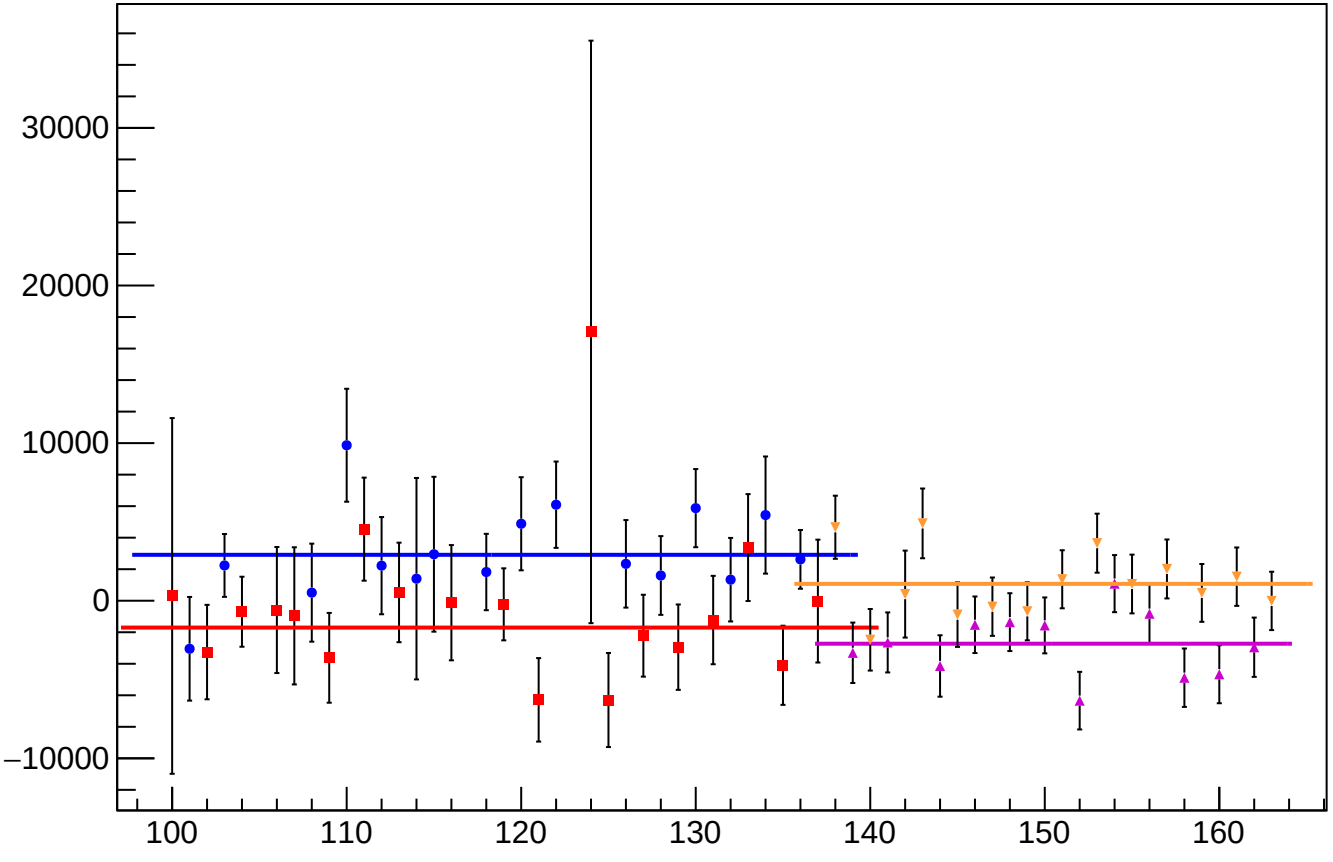
Left In: 4558.040+/-1.019 χ^2/NDF:579194.2/11

+ sign 2731.063+/-0.556 χ^2/NDF: 12363320.2/29

All: 2648.243+/-0.390 χ^2/NDF: 24774754.4/6

- sign 2568.096+/-0.547 χ^2/NDF: 12367718.0/30

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

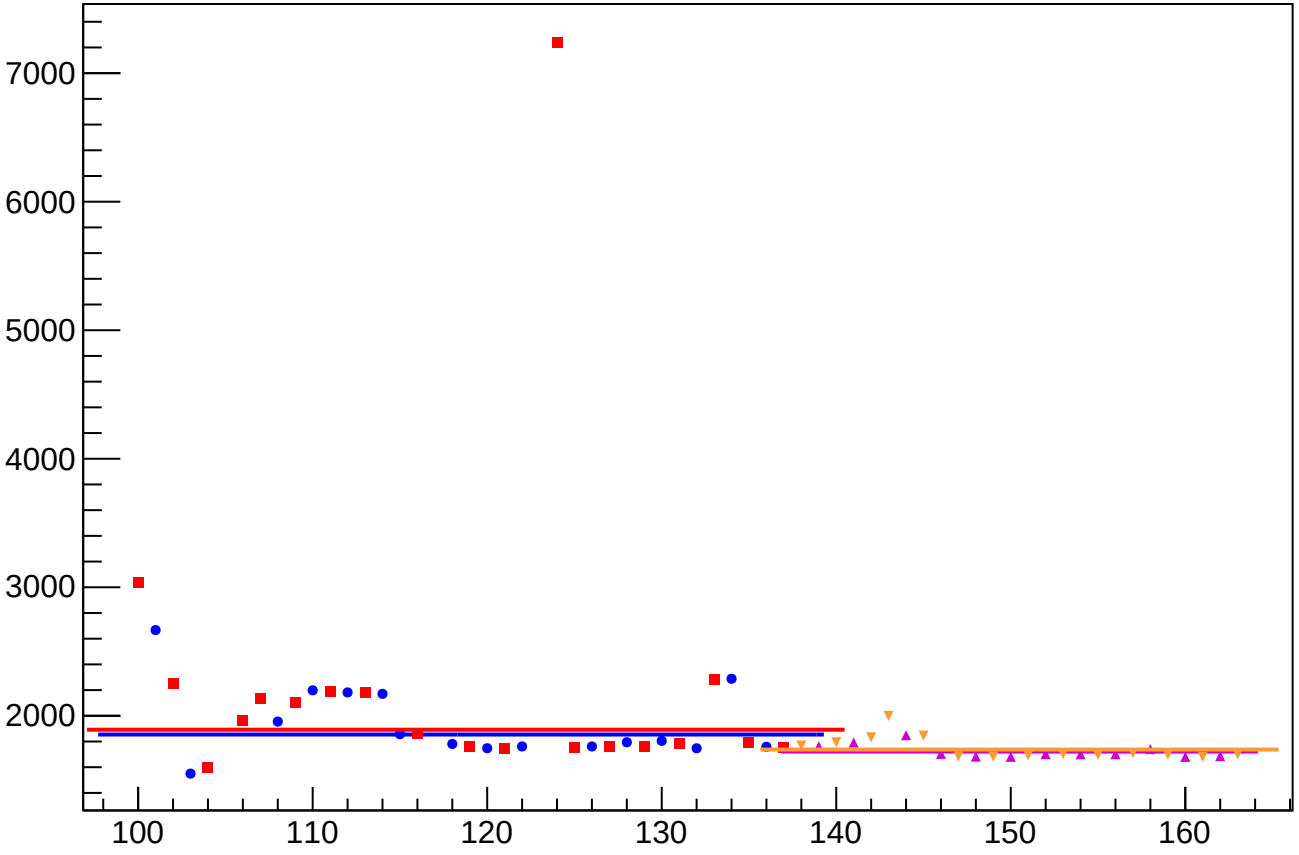
Left In: -2727.229+/-535.010 χ^2/NDF:13.9/11

+ sign 1730.395+/-416.054 χ^2/NDF: 31.6/29

All: -260.912+/-297.850 χ^2/NDF: 109.7/60

- sign -2354.366+/-426.592 χ^2/NDF: 31.1/30

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

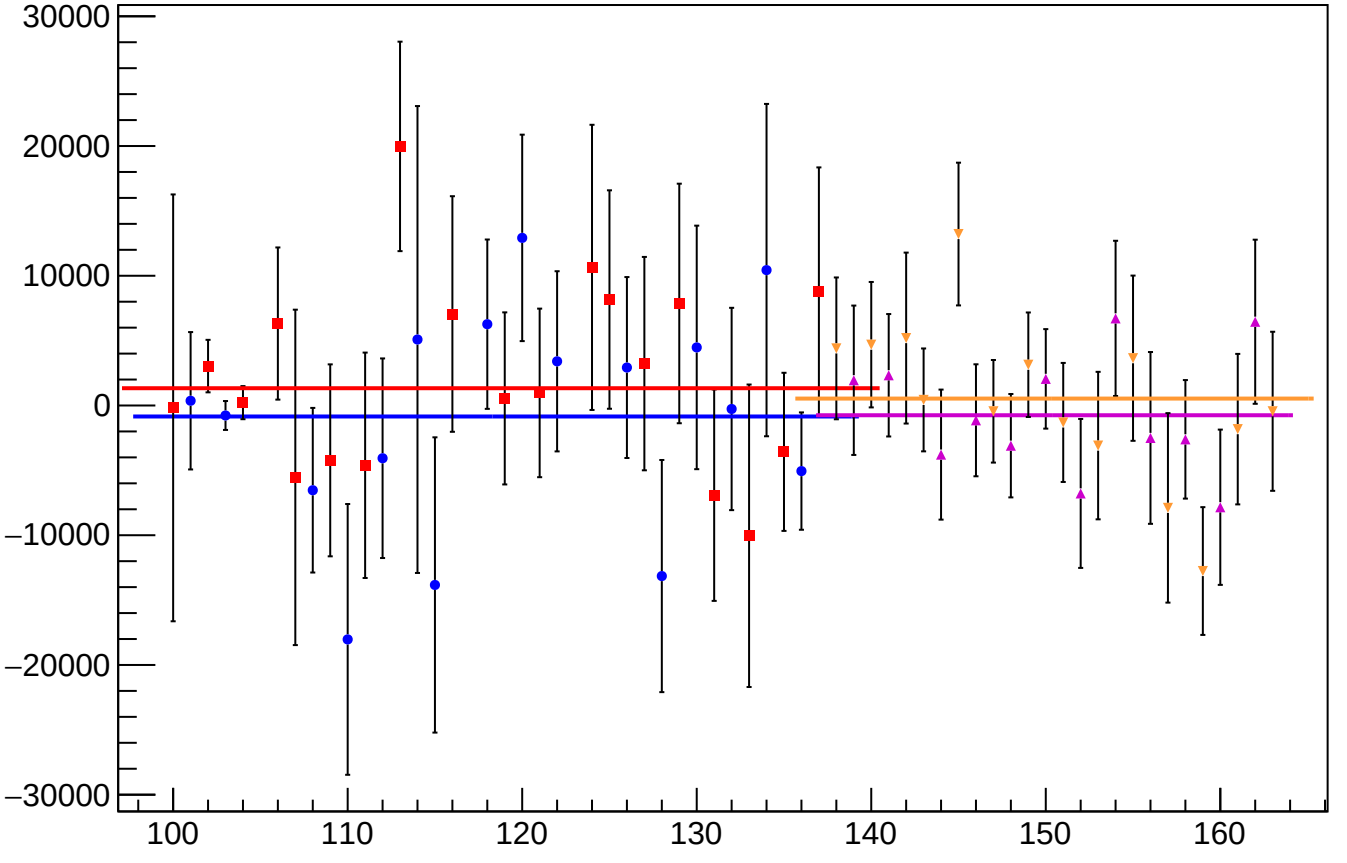
Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.4/29

All: 1781.521+/-0.211 χ^2/NDF: 803322.5/60

- sign 1783.813+/-0.301 χ^2/NDF: 455325.1/30

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 533.564+/-1359.588 χ^2/NDF:17.2/13

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

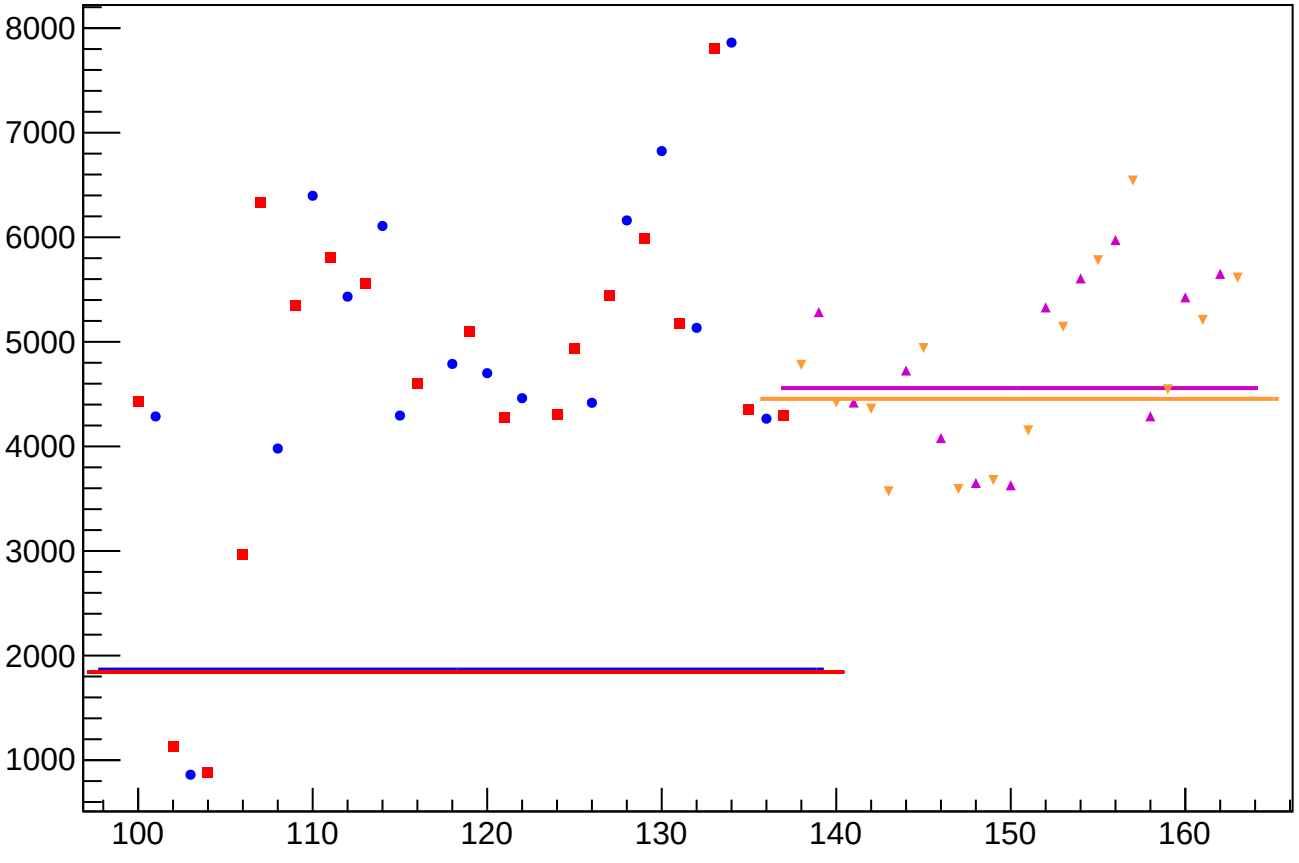
Left In: -751.571+/-1441.127 χ^2/NDF:7.5/11

+ sign -386.195+/-785.770 χ^2/NDF: 31.7/29

All: 153.593+/-557.847 χ^2/NDF: 56.0/60

- sign 702.110+/-792.098 χ^2/NDF: 23.4/30

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

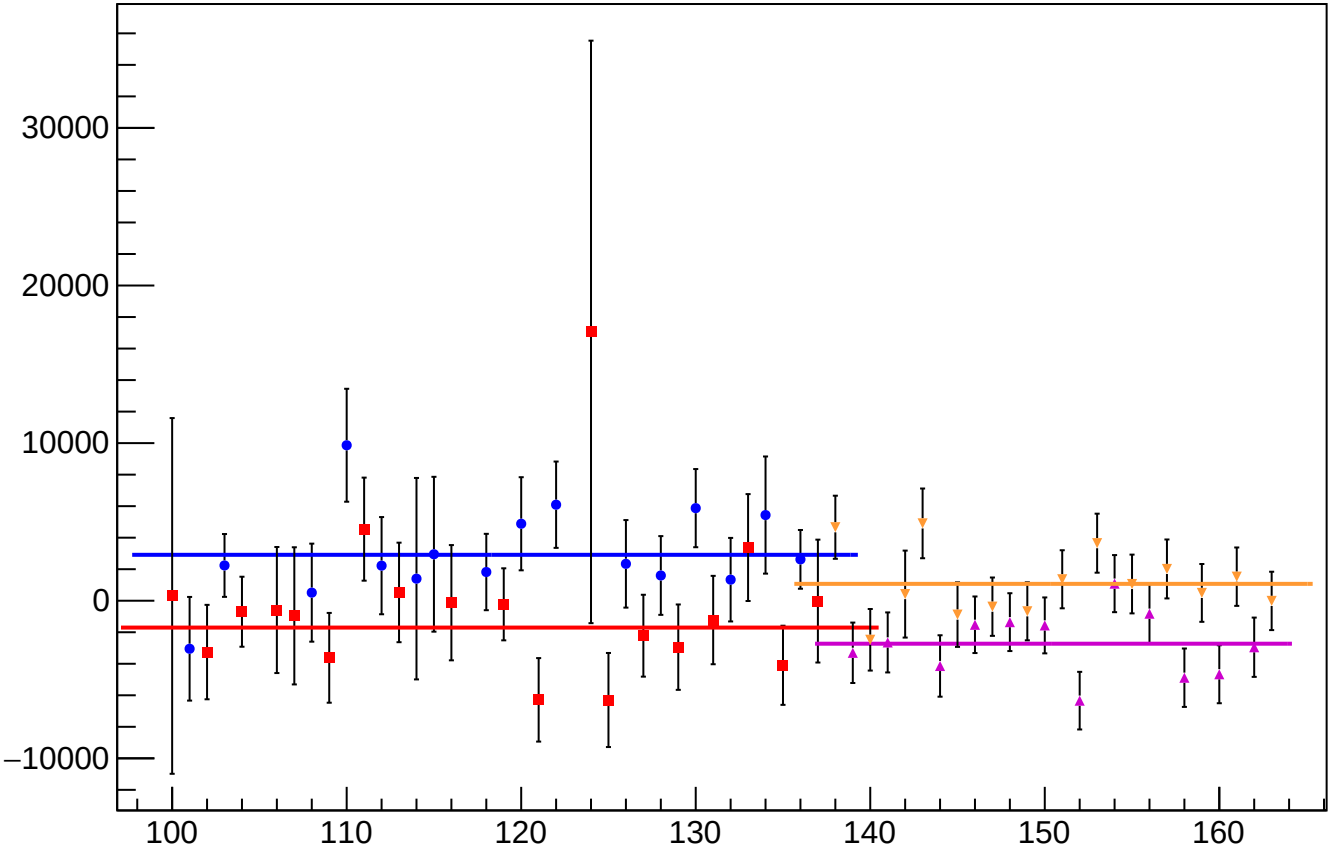
Left In: 4558.039+/-1.019 χ^2/NDF:579206.7/11

+ sign 2730.897+/-0.556 χ^2/NDF: 12364496.7/29

All: 2697.288+/-0.394 χ^2/NDF: 24364124.6/6

- sign 2663.136+/-0.560 χ^2/NDF: 11992251.2/30

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

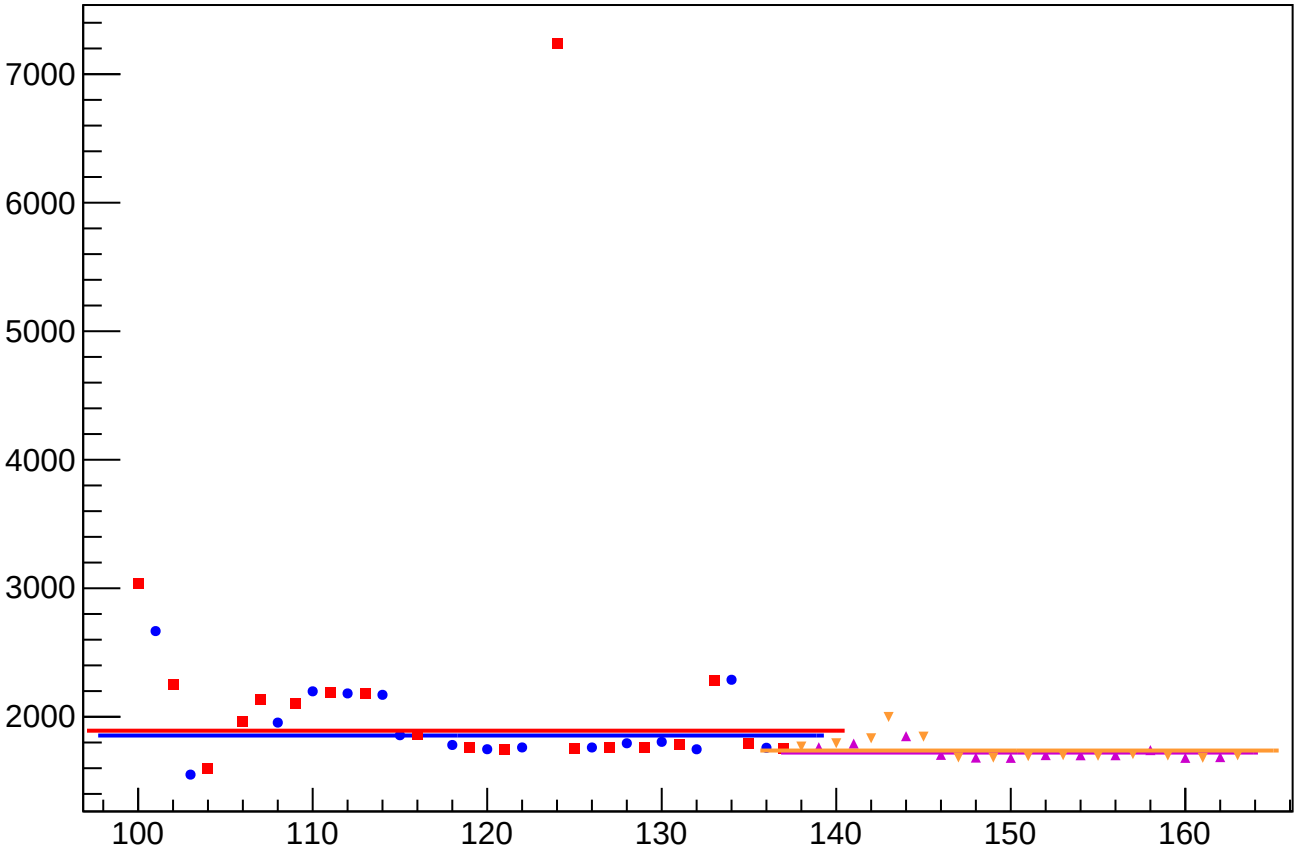
Left In: -2727.229+/-535.010 χ^2/NDF:13.9/11

+ sign 1730.395+/-416.054 χ^2/NDF: 31.6/29

All: -260.912+/-297.850 χ^2/NDF: 109.7/60

- sign -2354.366+/-426.592 χ^2/NDF: 31.1/30

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

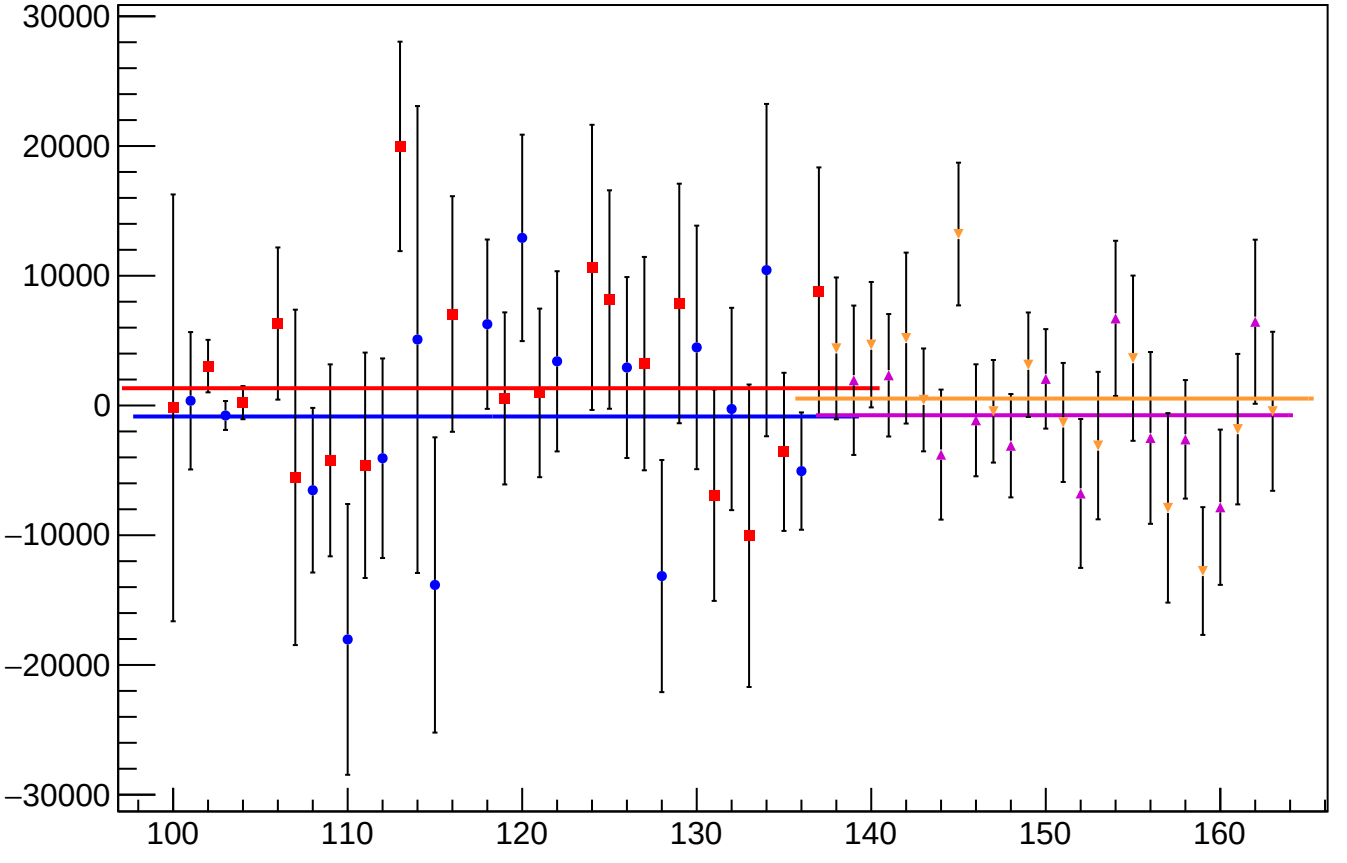
Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

+ sign 1779.337+/-0.294 χ^2/NDF: 347884.4/29

All: 1781.521+/-0.211 χ^2/NDF: 803322.5/60

- sign 1783.813+/-0.301 χ^2/NDF: 455325.1/30

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 533.564+/-1359.588 χ^2/NDF:17.2/13

Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

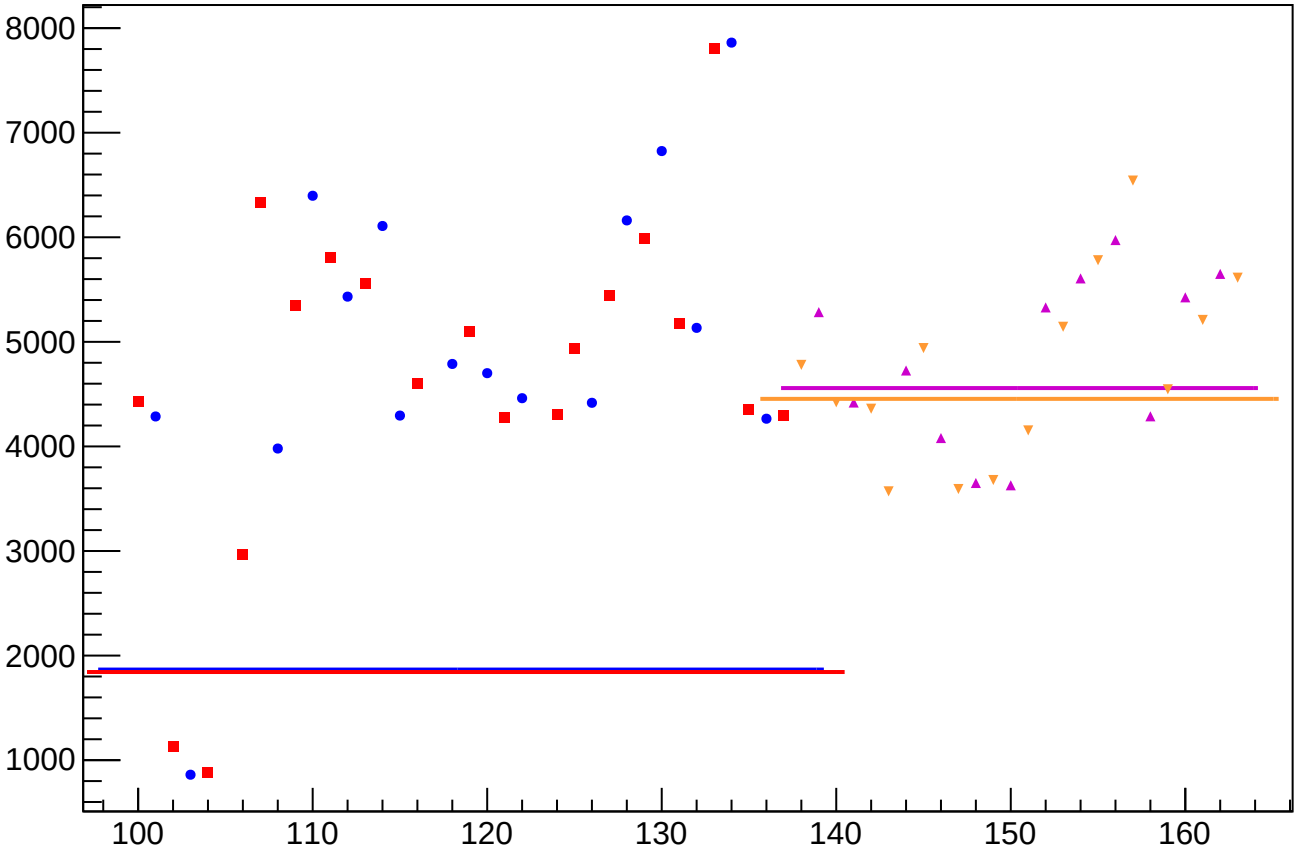
Left In: -751.571+/-1441.127 χ^2/NDF:7.5/11

+ sign -386.195+/-785.770 χ^2/NDF: 31.7/29

All: 153.593+/-557.847 χ^2/NDF: 56.0/60

- sign 702.110+/-792.098 χ^2/NDF: 23.4/30

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

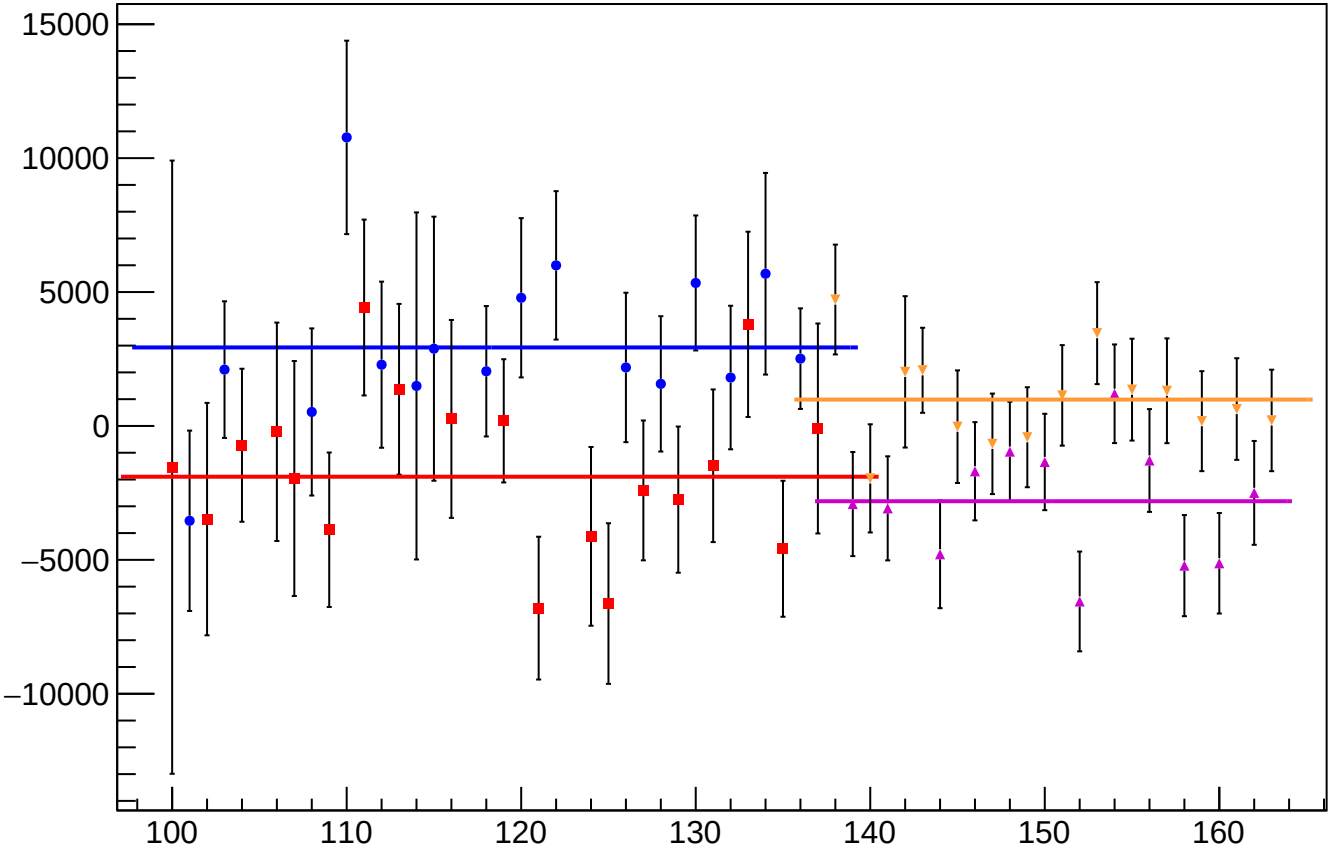
Left In: 4558.039+/-1.019 χ^2/NDF:579206.7/11

+ sign 2730.897+/-0.556 χ^2/NDF: 12364496.7/29

All: 2697.288+/-0.394 χ^2/NDF: 24364124.6/6

- sign 2663.136+/-0.560 χ^2/NDF: 11992251.2/30

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 984.734+/-516.893 χ^2/NDF:9.8/13

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

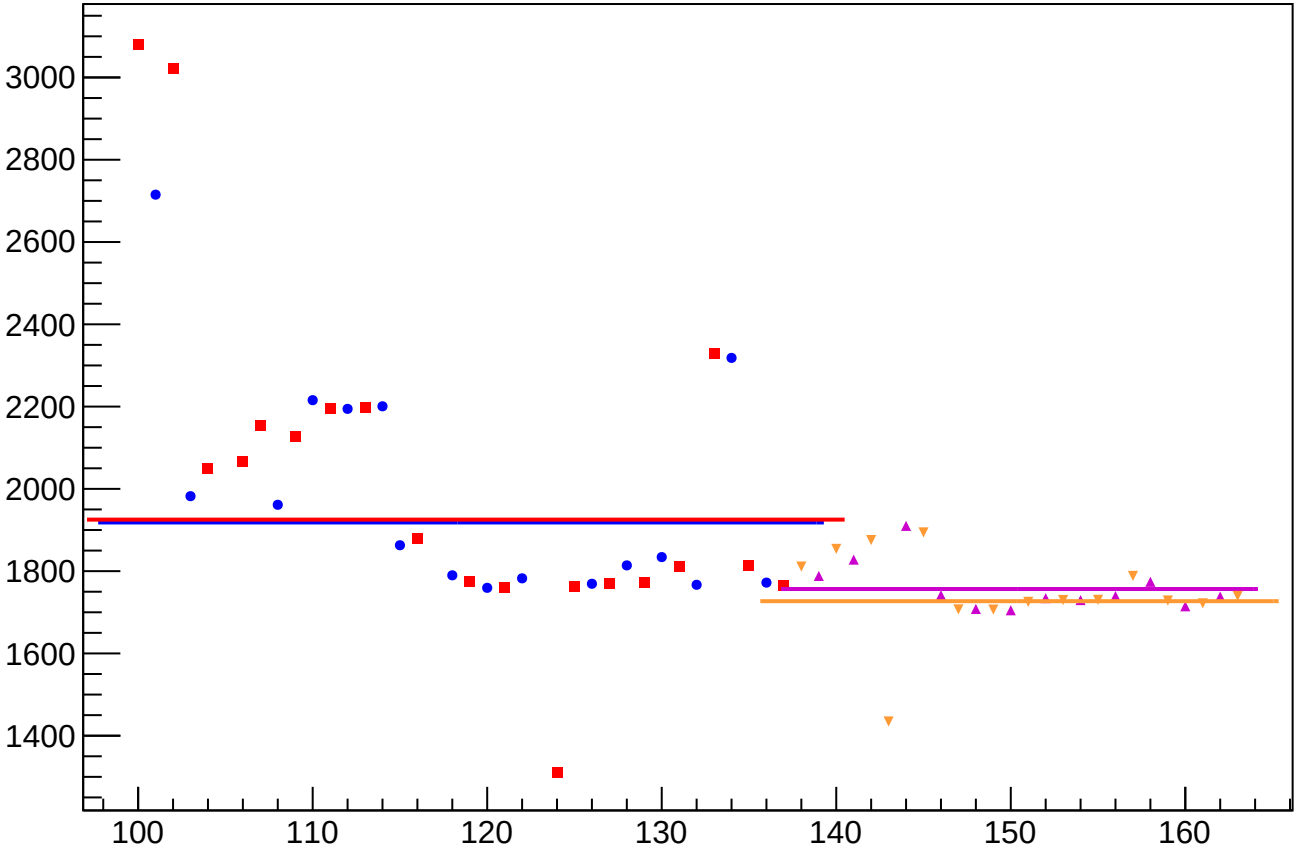
Left In: -2810.511+/-545.946 χ^2/NDF:15.6/11

+ sign 1648.962+/-419.556 χ^2/NDF: 27.6/29

All: -337.616+/-302.136 χ^2/NDF: 108.2/60

- sign -2477.625+/-435.456 χ^2/NDF: 34.0/30

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.013+/-0.365 χ^2/NDF:99846.9/13

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

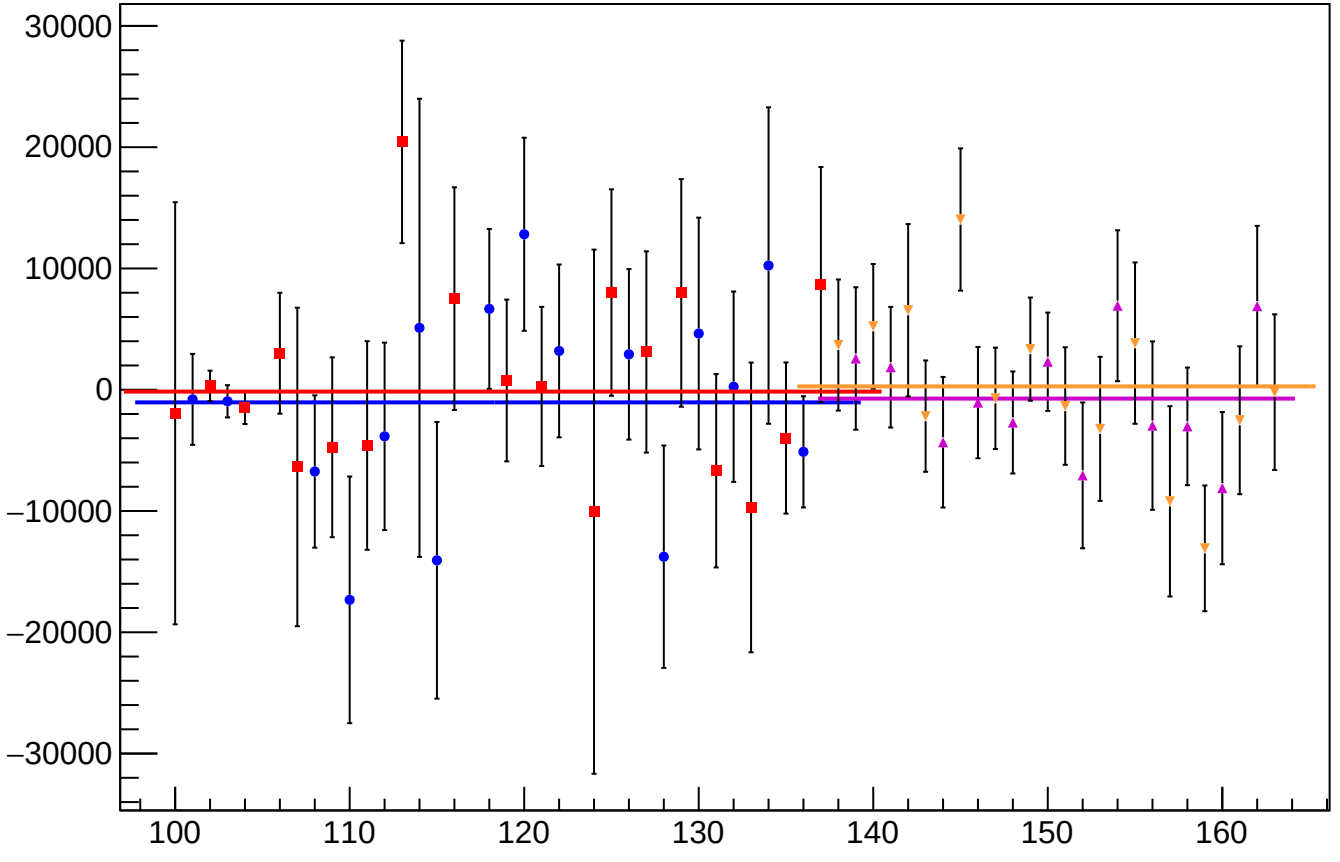
Left In: 1756.600+/-0.386 χ^2/NDF:20221.0/11

+ sign 1792.296+/-0.297 χ^2/NDF: 408951.4/29

All: 1804.685+/-0.214 χ^2/NDF: 841403.9/60

- sign 1818.024+/-0.308 χ^2/NDF: 428830.9/30

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 277.049+/-1444.522 χ^2/NDF:17.5/13

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

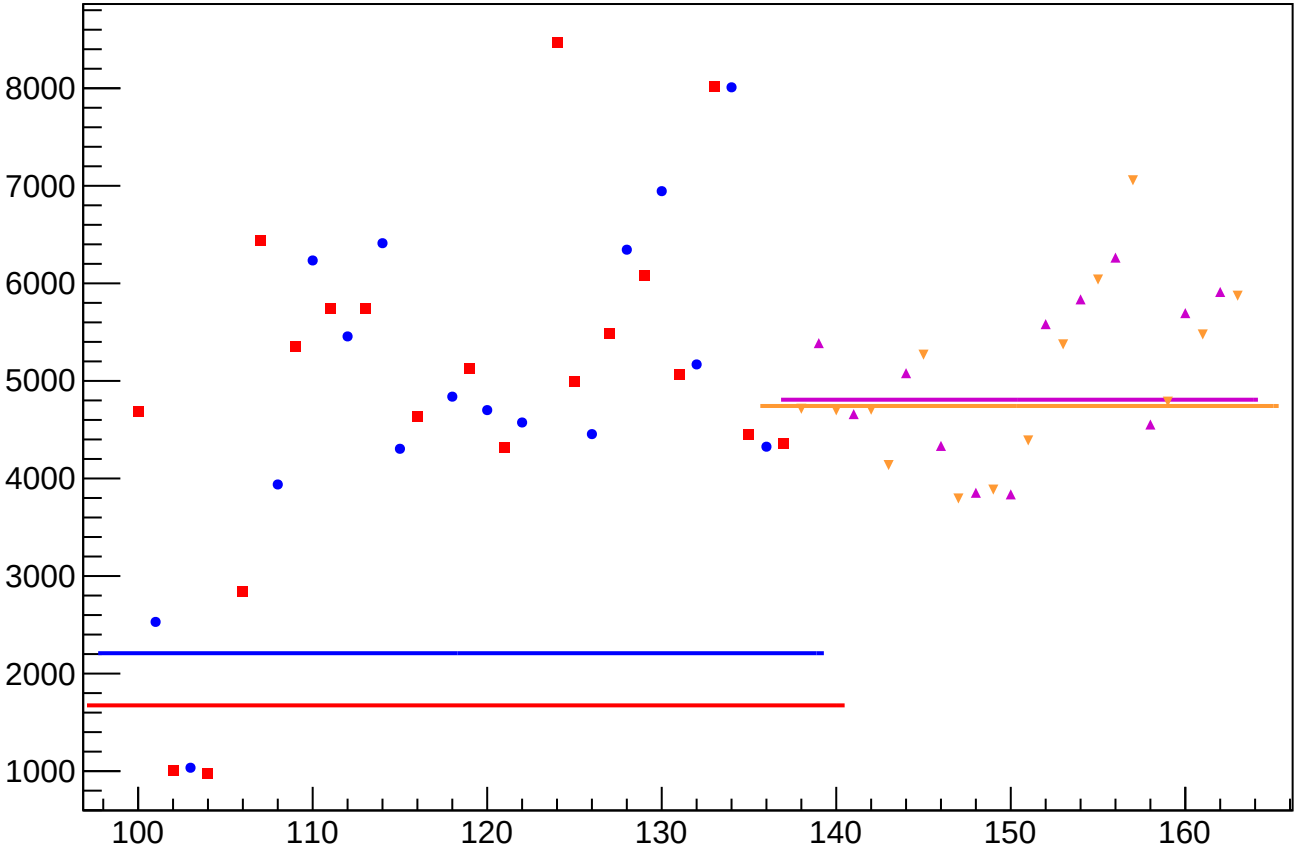
Left In: -730.397+/-1518.526 χ^2/NDF:7.5/11

+ sign -573.260+/-861.058 χ^2/NDF: 31.9/29

All: -407.513+/-557.760 χ^2/NDF: 53.3/60

- sign -287.688+/-732.120 χ^2/NDF: 21.3/30

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4743.040+/-1.021 χ^2/NDF:609675.0/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

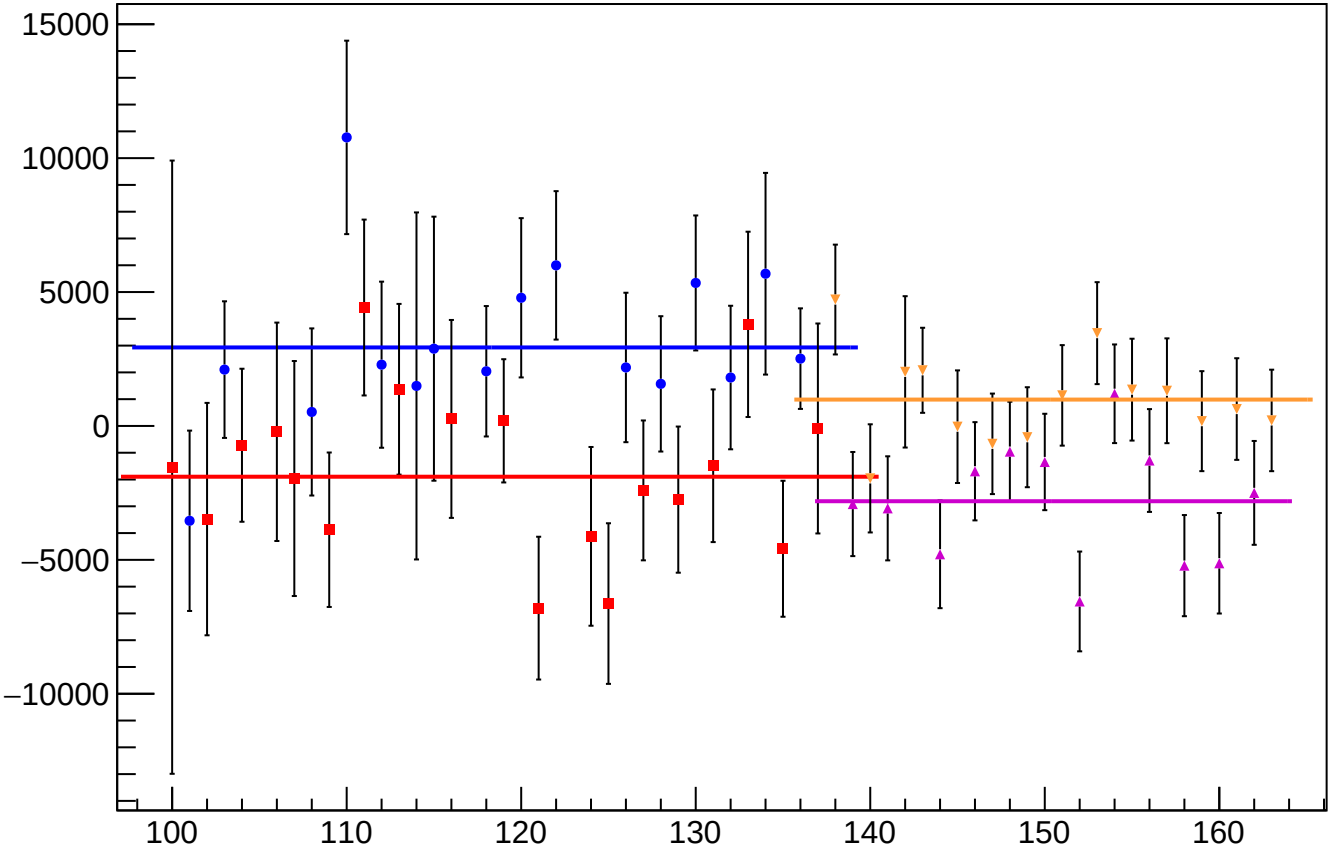
Left In: 4807.409+/-1.074 χ^2/NDF:541989.2/11

+ sign 3109.331+/-0.609 χ^2/NDF: 10076806.3/29

All: 2699.065+/-0.394 χ^2/NDF: 24789878.6/6

- sign 2402.469+/-0.518 χ^2/NDF: 13930784.8/30

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 984.723+/-516.893 χ^2/NDF:9.8/13

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

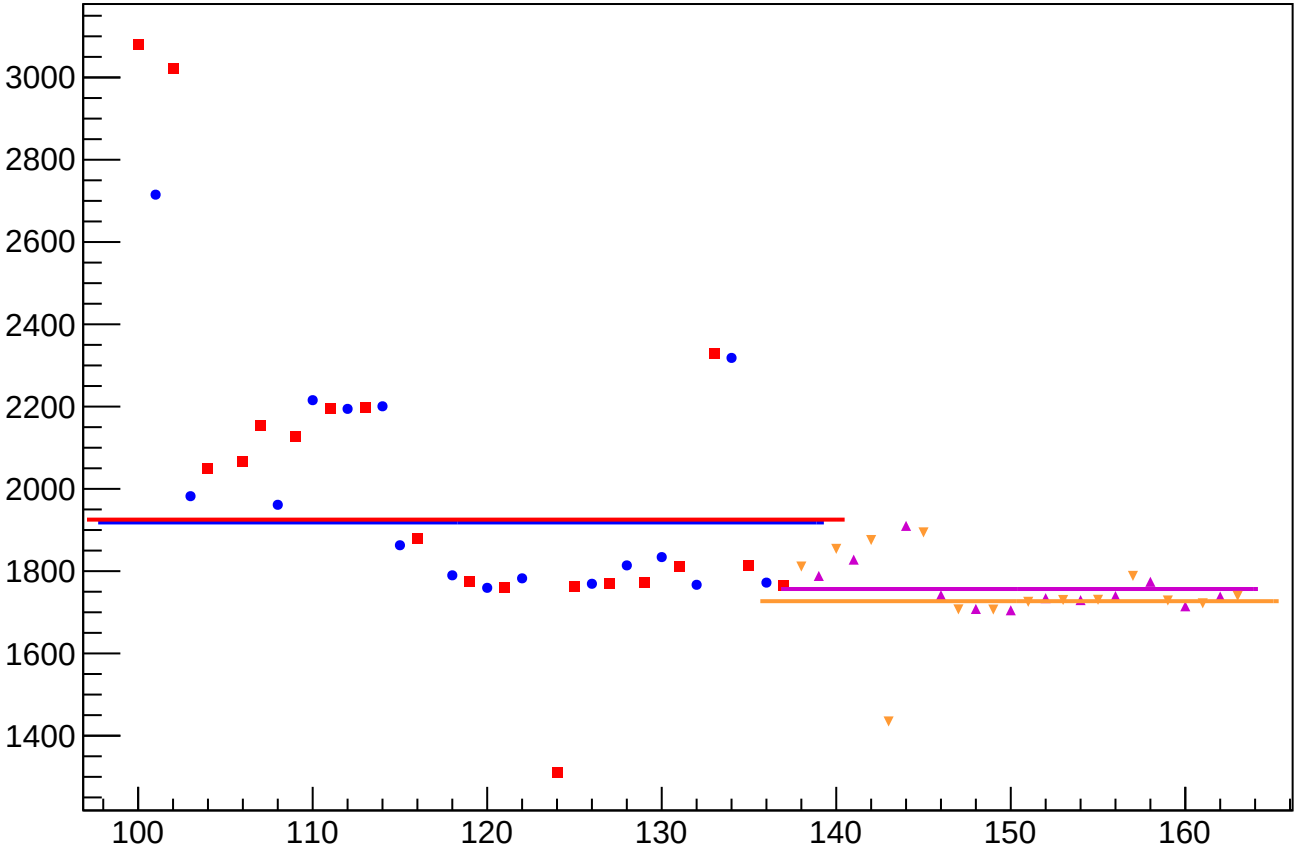
Left In: -2810.511+/-545.947 χ^2/NDF:15.6/11

+ sign 1648.957+/-419.556 χ^2/NDF: 27.6/29

All: -337.620+/-302.136 χ^2/NDF: 108.2/60

- sign -2477.626+/-435.456 χ^2/NDF: 34.0/30

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.014+/-0.365 χ^2/NDF:99846.0/13

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

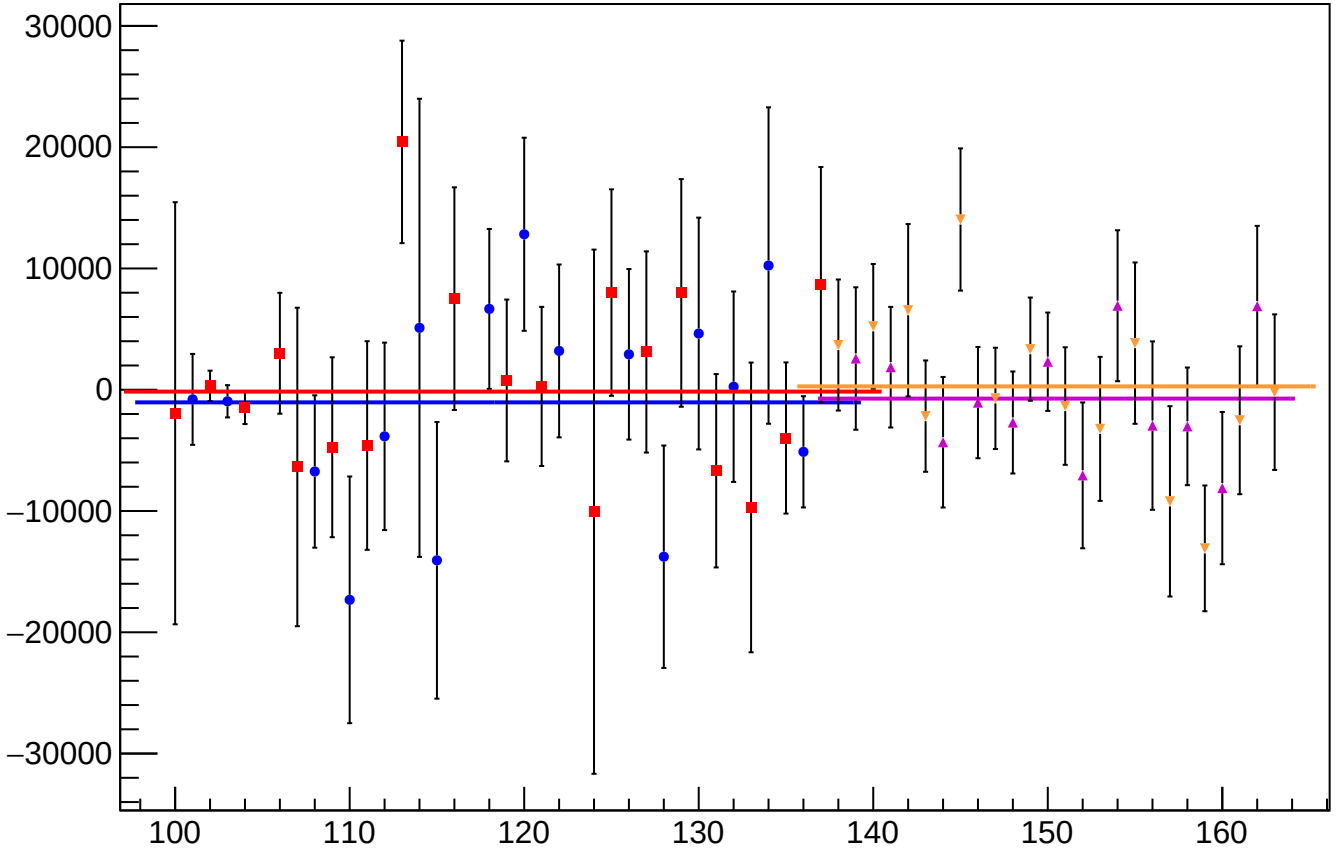
Left In: 1756.601+/-0.386 χ^2/NDF:20220.9/11

+ sign 1792.297+/-0.297 χ^2/NDF: 408948.7/29

All: 1804.686+/-0.214 χ^2/NDF: 841398.8/60

- sign 1818.024+/-0.308 χ^2/NDF: 428828.5/30

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 277.045+/-1444.524 χ^2/NDF:17.5/13

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

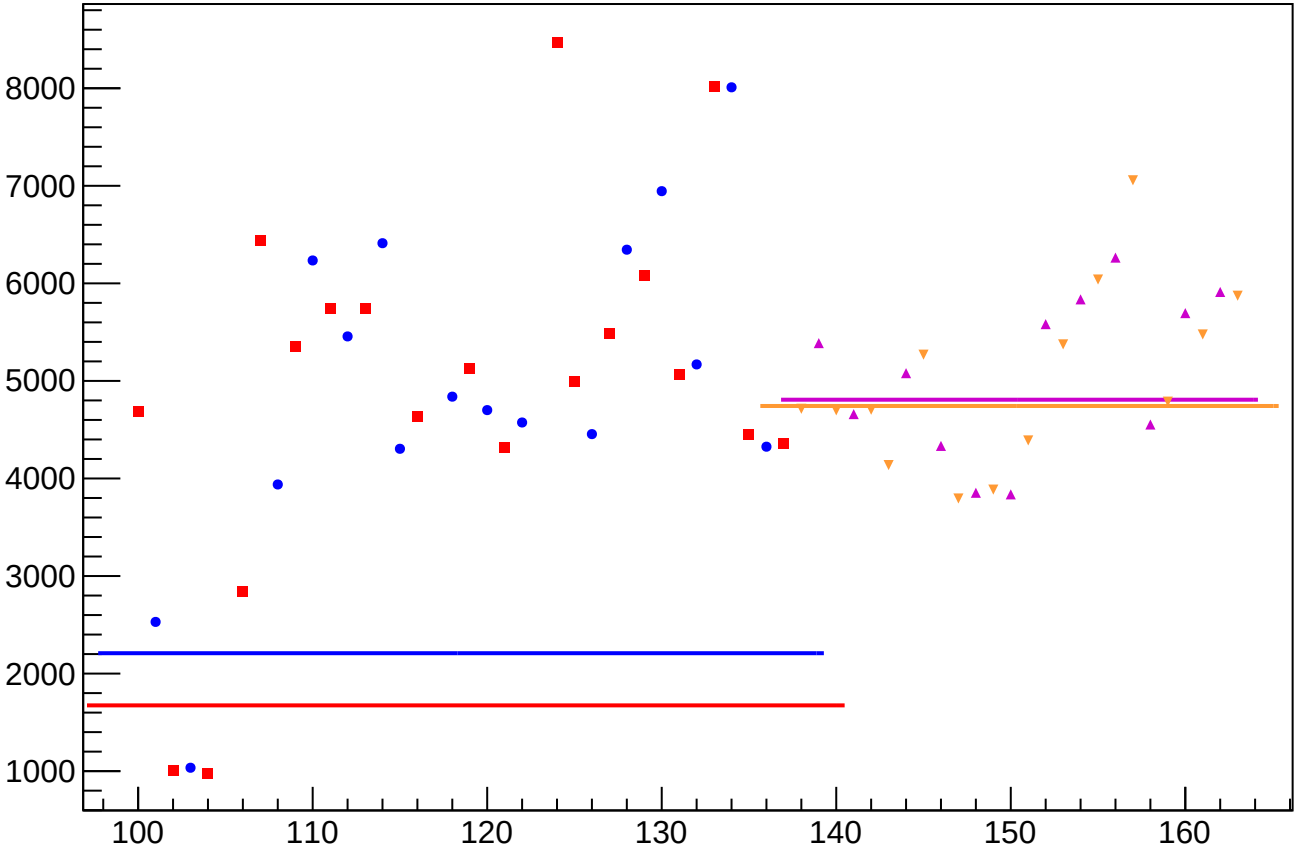
Left In: -730.397+/-1518.529 χ^2/NDF:7.5/11

+ sign -573.261+/-861.058 χ^2/NDF: 31.9/29

All: -407.511+/-557.760 χ^2/NDF: 53.3/60

- sign -287.684+/-732.120 χ^2/NDF: 21.3/30

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4743.048+/-1.021 χ^2/NDF:609674.5/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

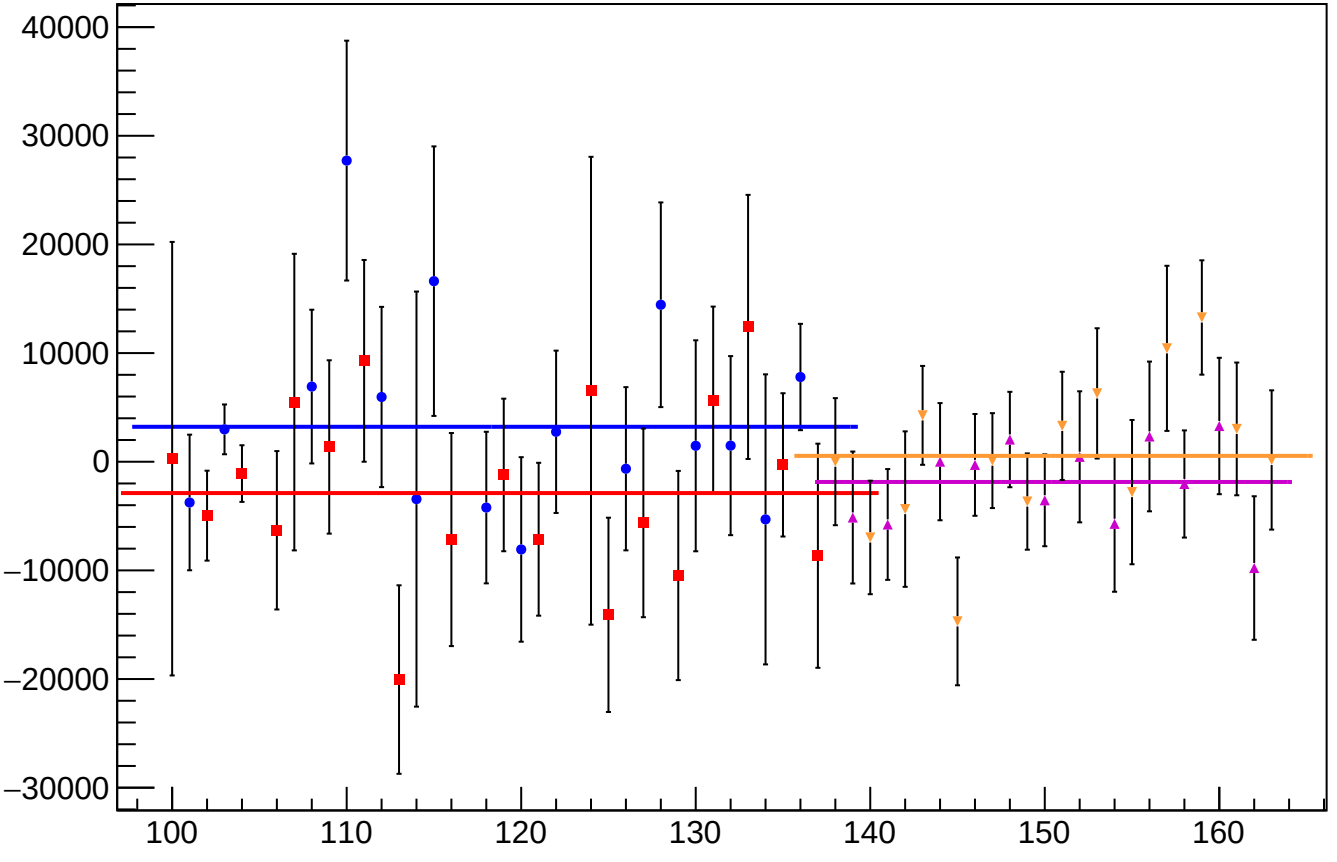
Left In: 4807.416+/-1.074 χ^2/NDF:541987.5/11

+ sign 3109.331+/-0.609 χ^2/NDF: 10076818.9/29

All: 2699.064+/-0.394 χ^2/NDF: 24789900.3/6

- sign 2402.468+/-0.518 χ^2/NDF: 13930793.2/30

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 541.641+/-1472.270 χ^2/NDF:20.0/13

Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

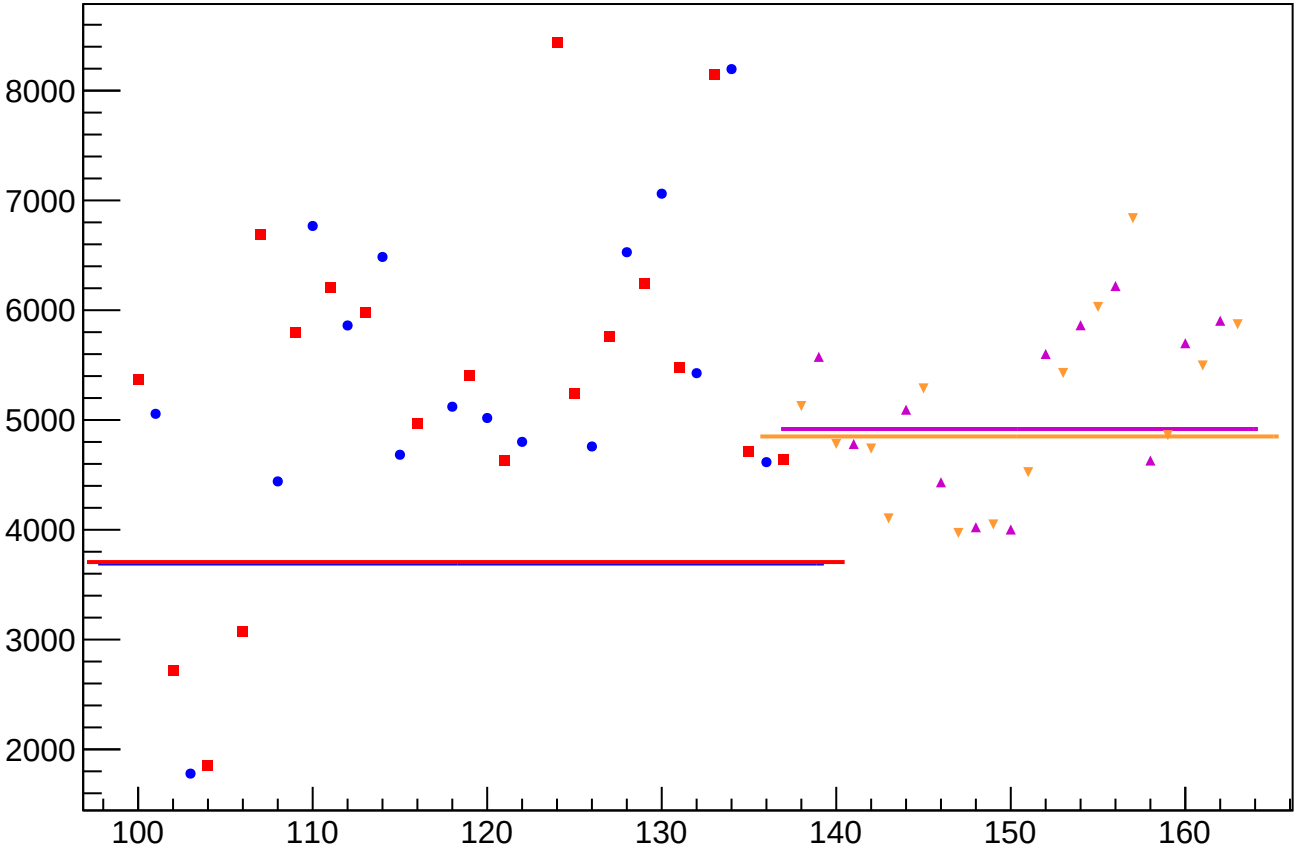
Left In: -1862.036+/-1548.742 χ^2/NDF:5.1/11

+ sign 1819.213+/-1063.947 χ^2/NDF: 35.4/29

All: -213.414+/-763.512 χ^2/NDF: 61.6/60

- sign -2371.611+/-1096.318 χ^2/NDF: 18.7/30

asym_atl1r2_avg_rms vs Slug



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4849.989+/-1.041 χ^2/NDF:516981.4/13

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

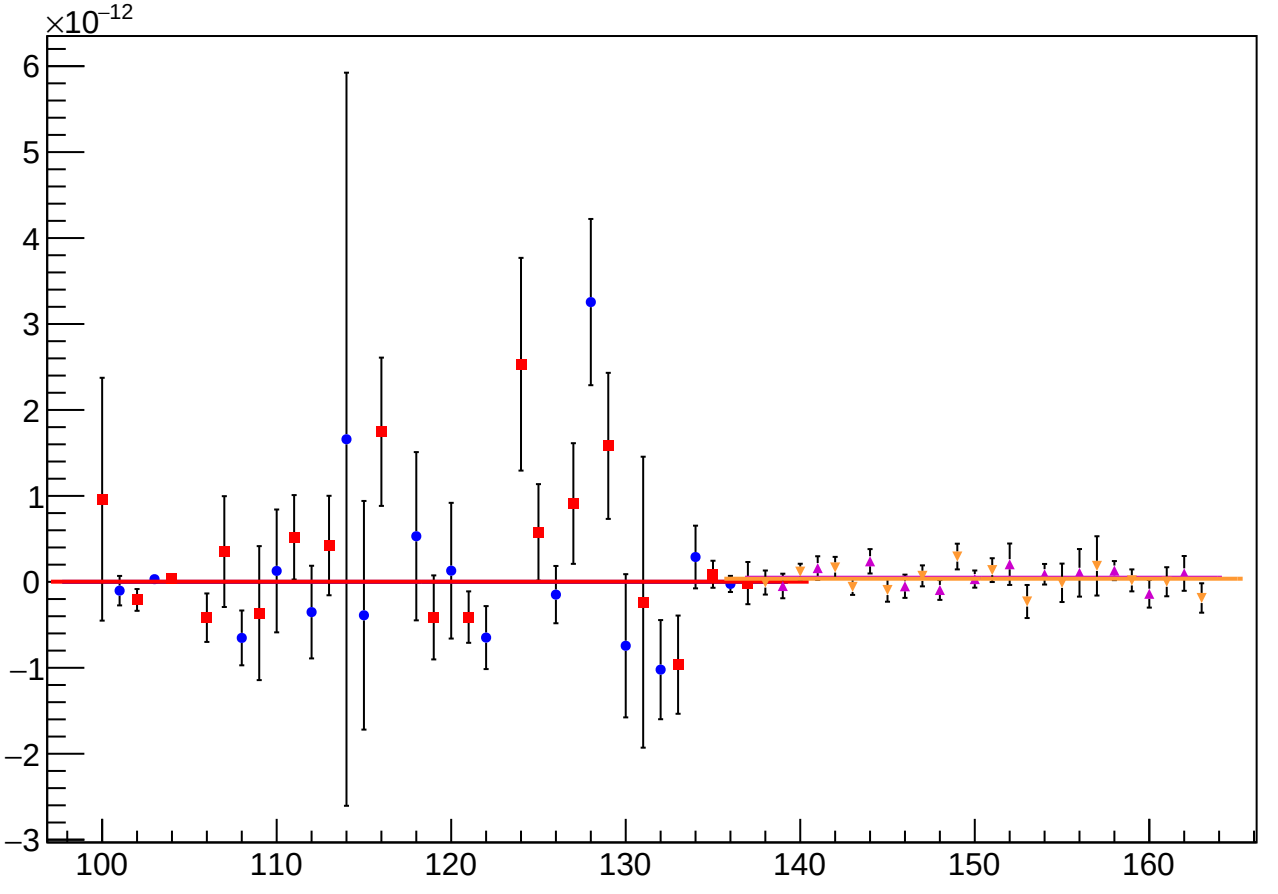
Left In: 4917.822+/-1.095 χ^2/NDF:450403.4/11

+ sign 4297.131+/-0.752 χ^2/NDF: 3992932.0/29

All: 4302.037+/-0.539 χ^2/NDF: 7744913.3/60

- sign 4307.194+/-0.771 χ^2/NDF: 3751894.1/30

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:11.5/13

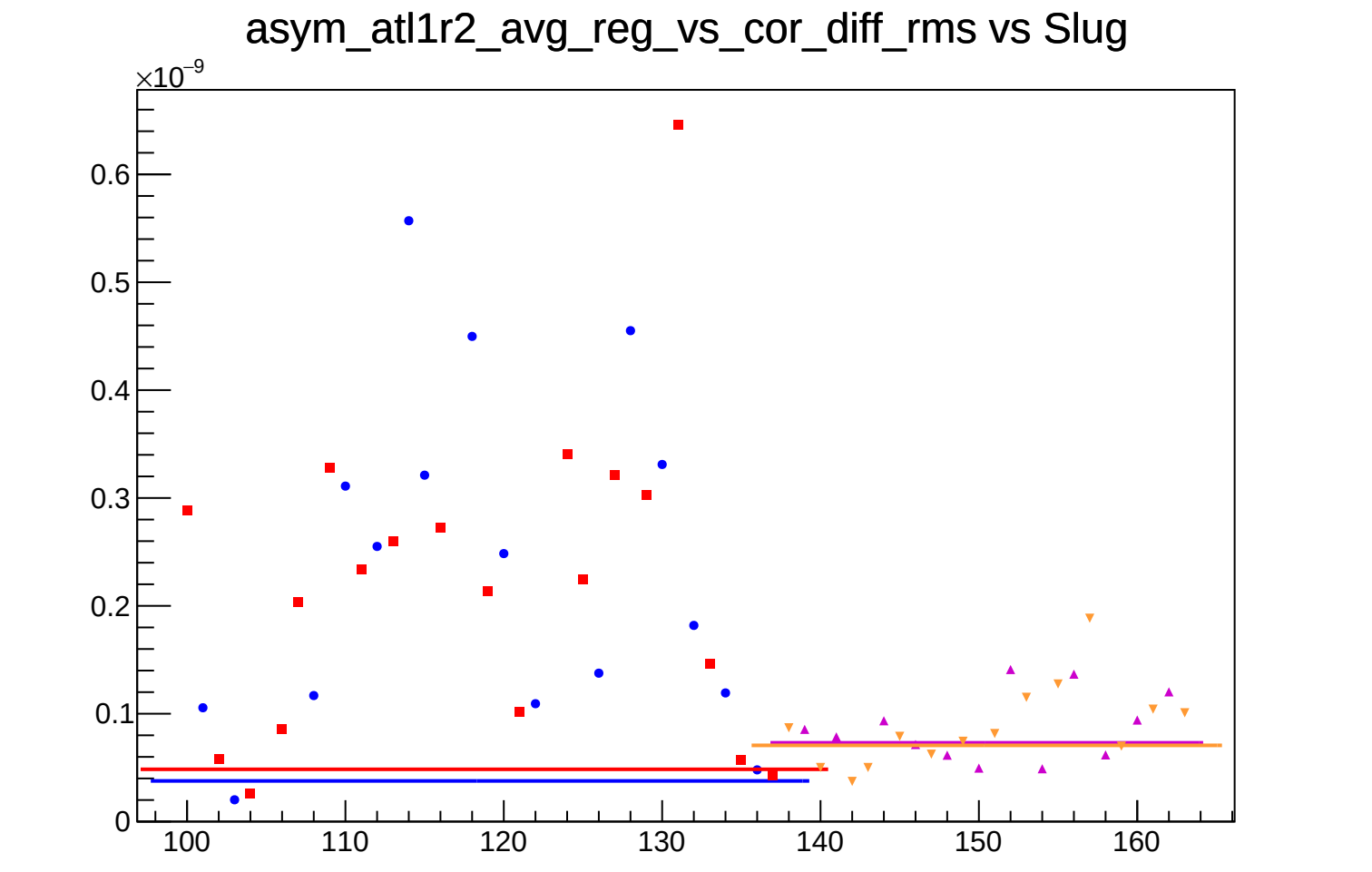
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/29

All: 0.000+/-0.000 χ^2/NDF: 73.8/60

- sign 0.000+/-0.000 χ^2/NDF: 36.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1011521.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

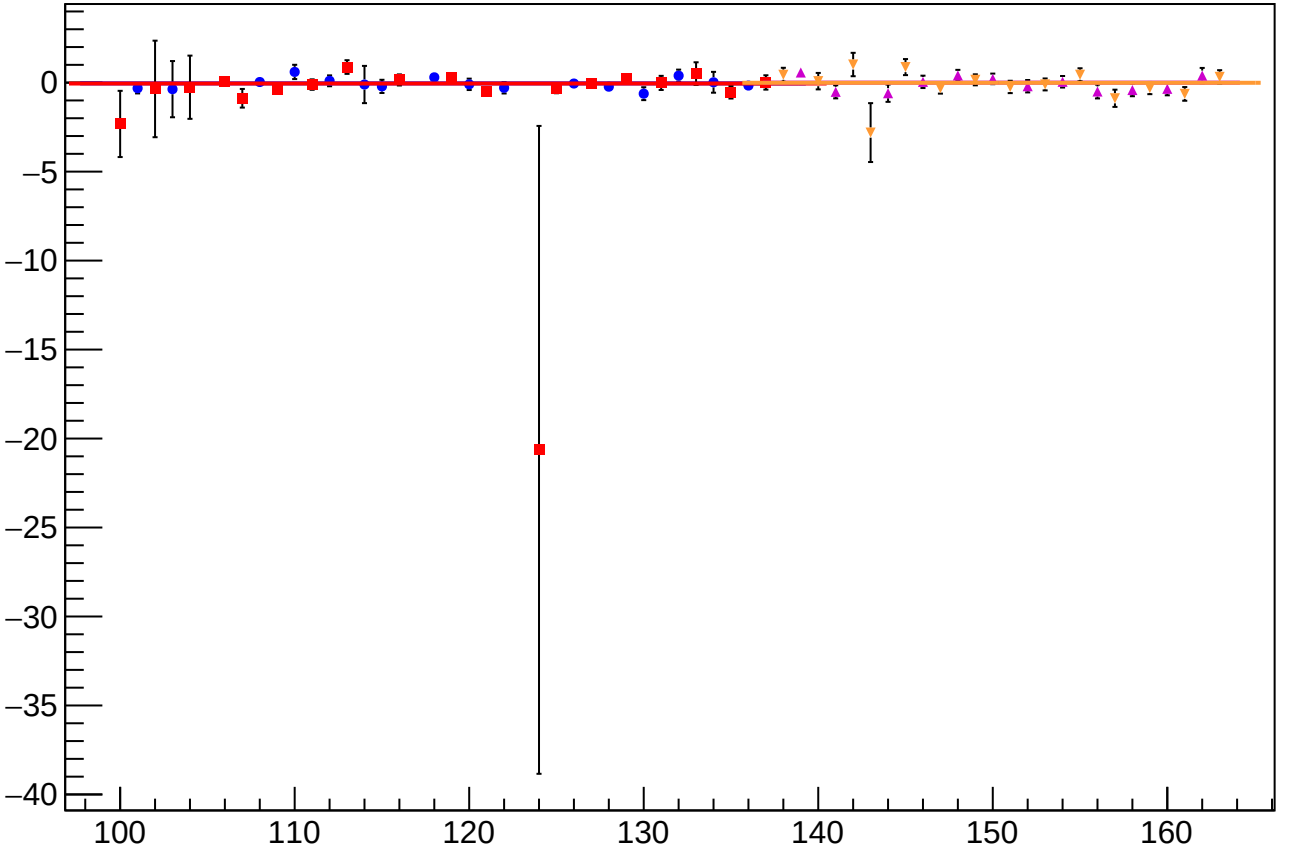
Left In: 0.000+/-0.000 χ^2/NDF:699128.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 4973516.9/29

All: 0.000+/-0.000 χ^2/NDF: 8985499.7/60

- sign 0.000+/-0.000 χ^2/NDF: 3928815.1/30

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

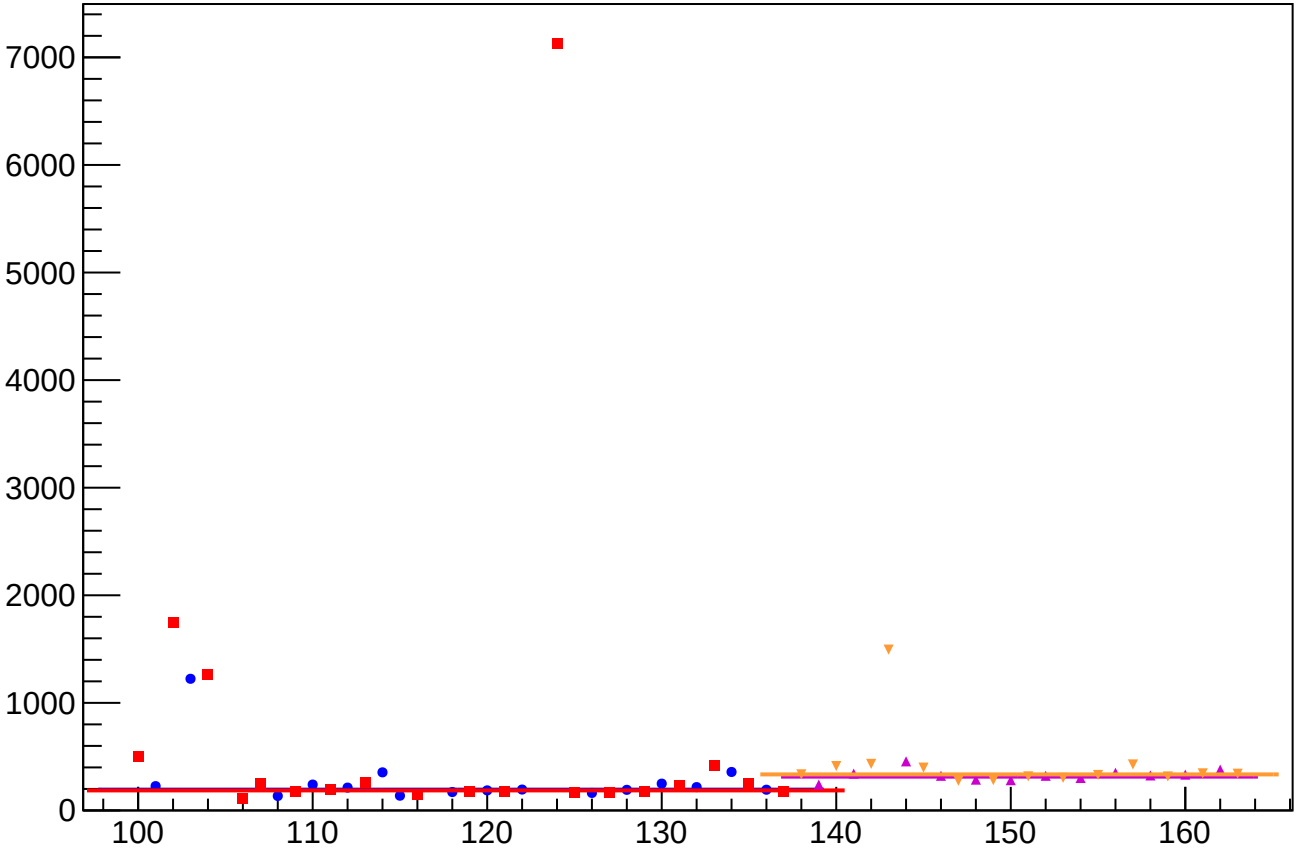
Left In: -0.001+/-0.100 χ^2/NDF:15.1/11

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.030+/-0.044 χ^2/NDF: 71.3/60

- sign -0.031+/-0.062 χ^2/NDF: 38.3/30

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.077+/-0.074 χ^2/NDF:1362696.4/13

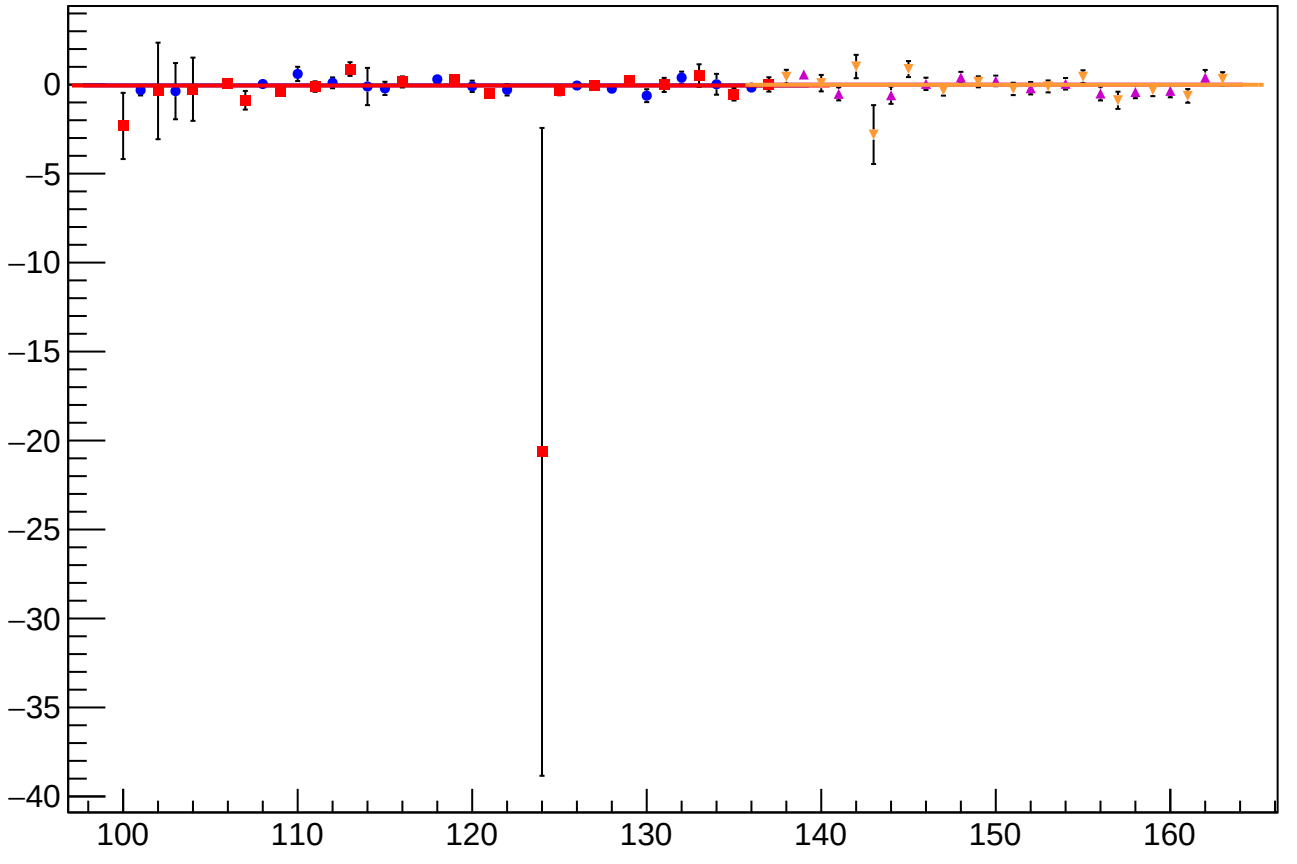
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.439+/-0.071 χ^2/NDF:443894.1/11

+ sign 243.675+/-0.044 χ^2/NDF: 5137024.5/29

All: 239.533+/-0.031 χ^2/NDF: 10102500.4/60

- sign 235.463+/-0.044 χ^2/NDF: 4948016.8/30



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

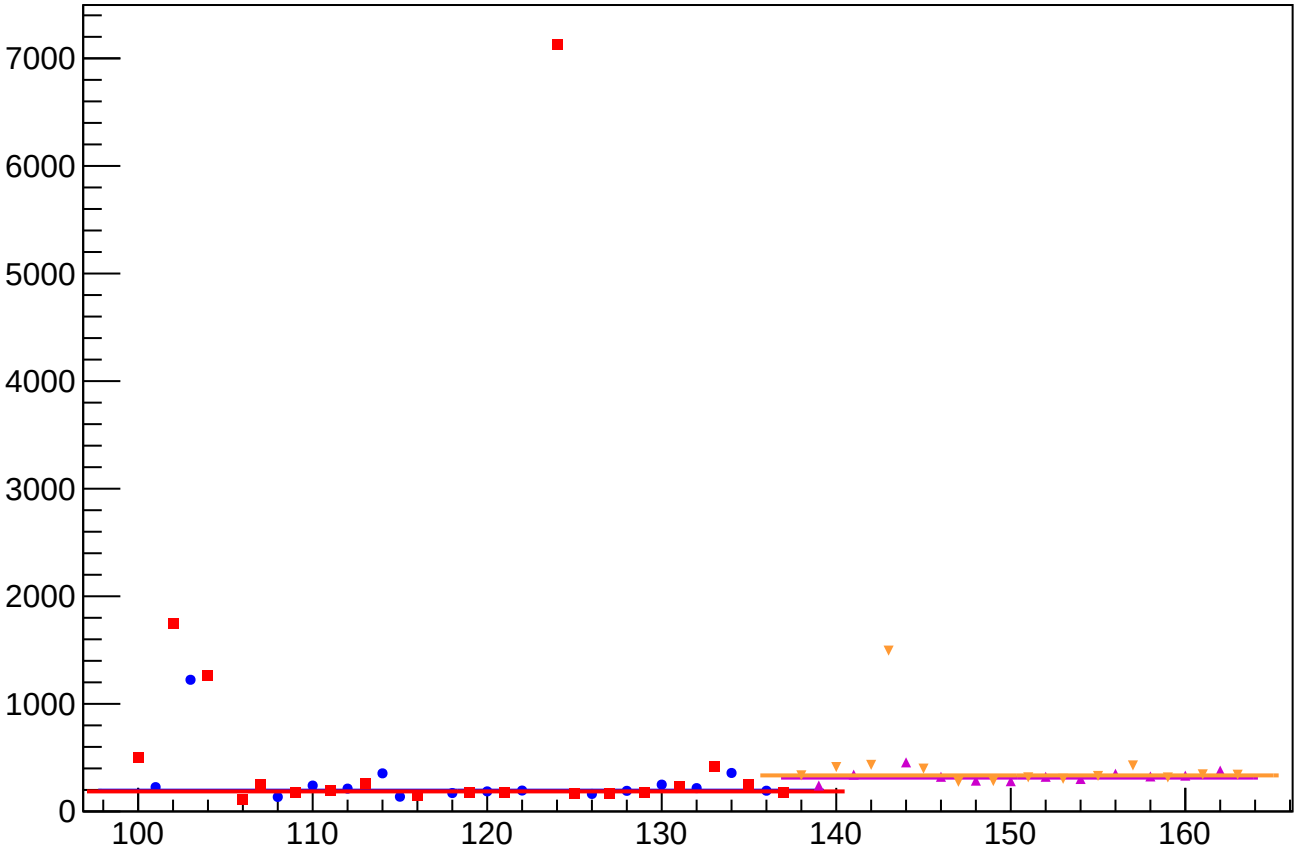
Left In: -0.001+/-0.100 χ^2/NDF:15.1/11

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.030+/-0.044 χ^2/NDF: 71.3/60

- sign -0.031+/-0.062 χ^2/NDF: 38.3/30

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: 335.077+/-0.074 χ^2/NDF:1362696.4/13

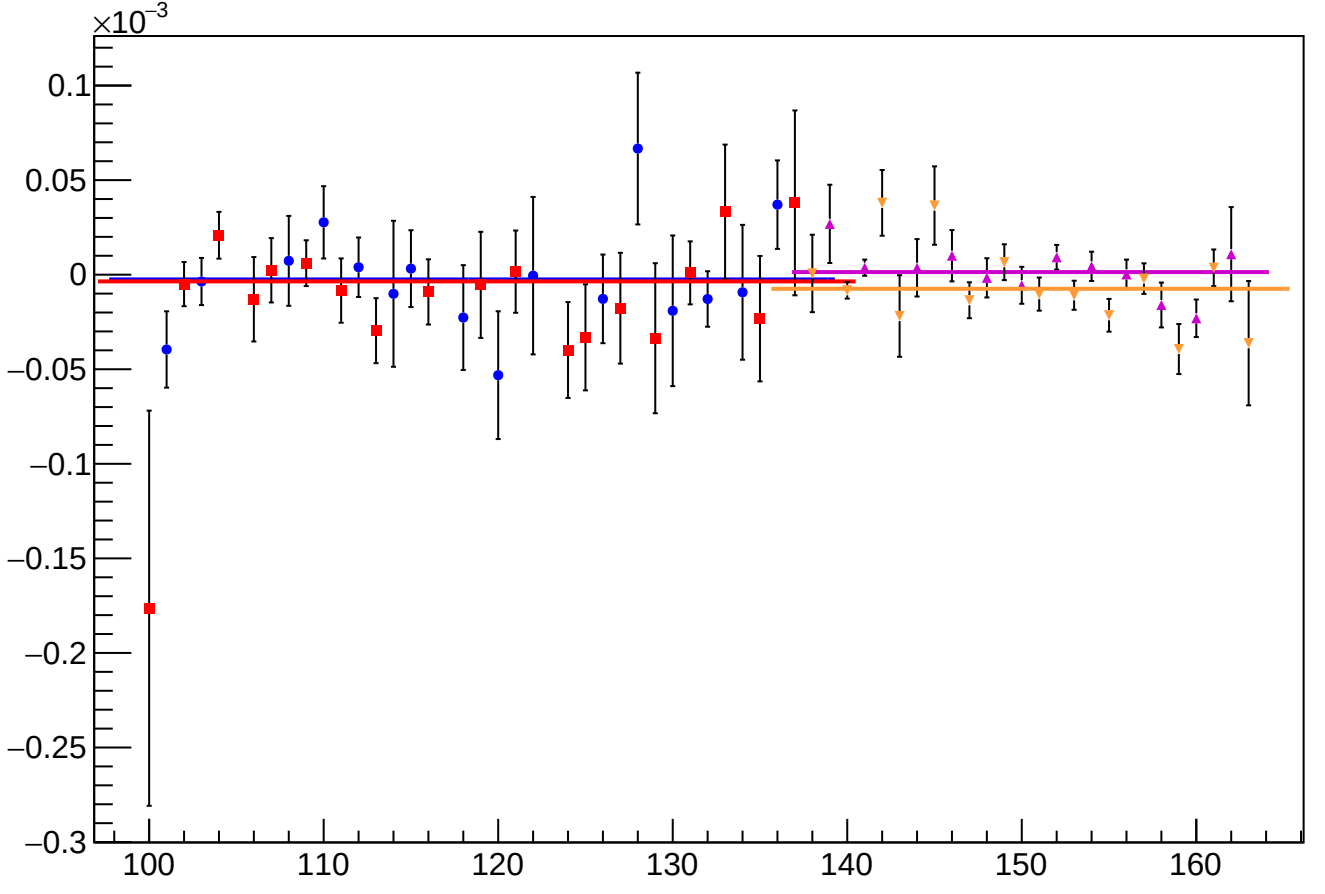
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.439+/-0.071 χ^2/NDF:443894.1/11

+ sign 243.675+/-0.044 χ^2/NDF: 5137024.5/29

All: 239.533+/-0.031 χ^2/NDF: 10102500.4/60

- sign 235.463+/-0.044 χ^2/NDF: 4948016.8/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

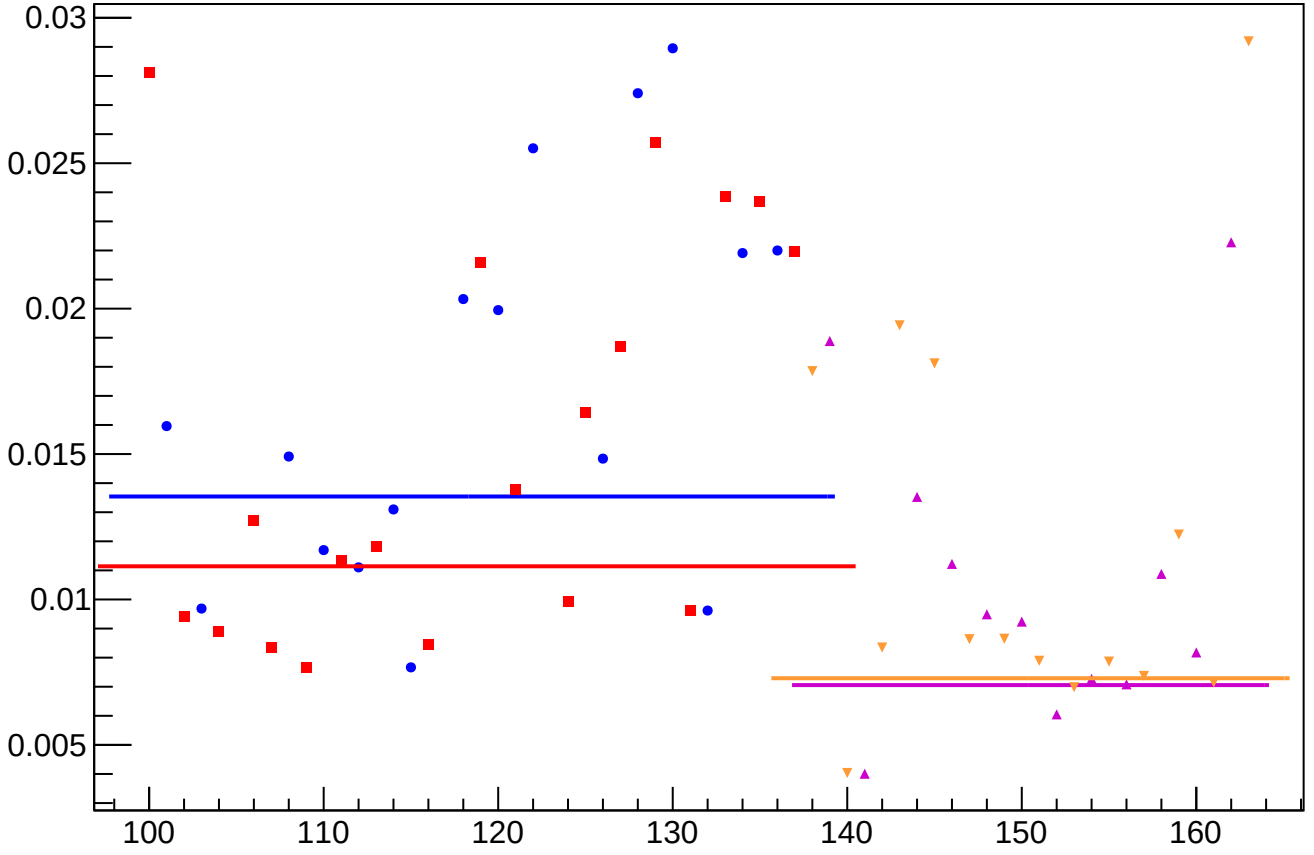
Left In: 0.000+/-0.000 χ^2/NDF:12.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/29

All: -0.000+/-0.000 χ^2/NDF: 77.1/60

- sign 0.000+/-0.000 χ^2/NDF: 30.1/30

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:4086446.7/13

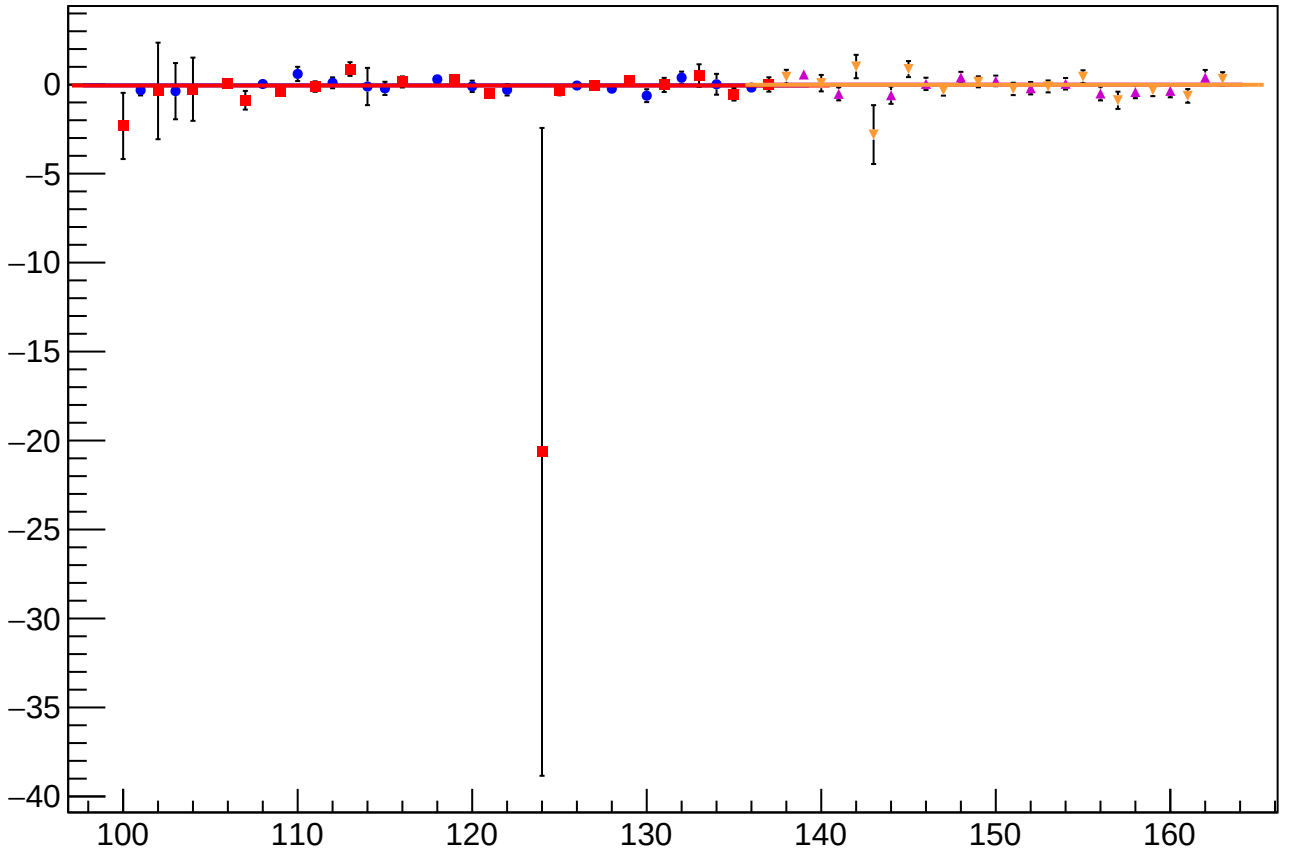
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:3467739.6/11

+ sign 0.008+/-0.000 χ^2/NDF: 8134694.2/29

All: 0.008+/-0.000 χ^2/NDF: 14794806.3/60

- sign 0.008+/-0.000 χ^2/NDF: 6634466.6/30



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

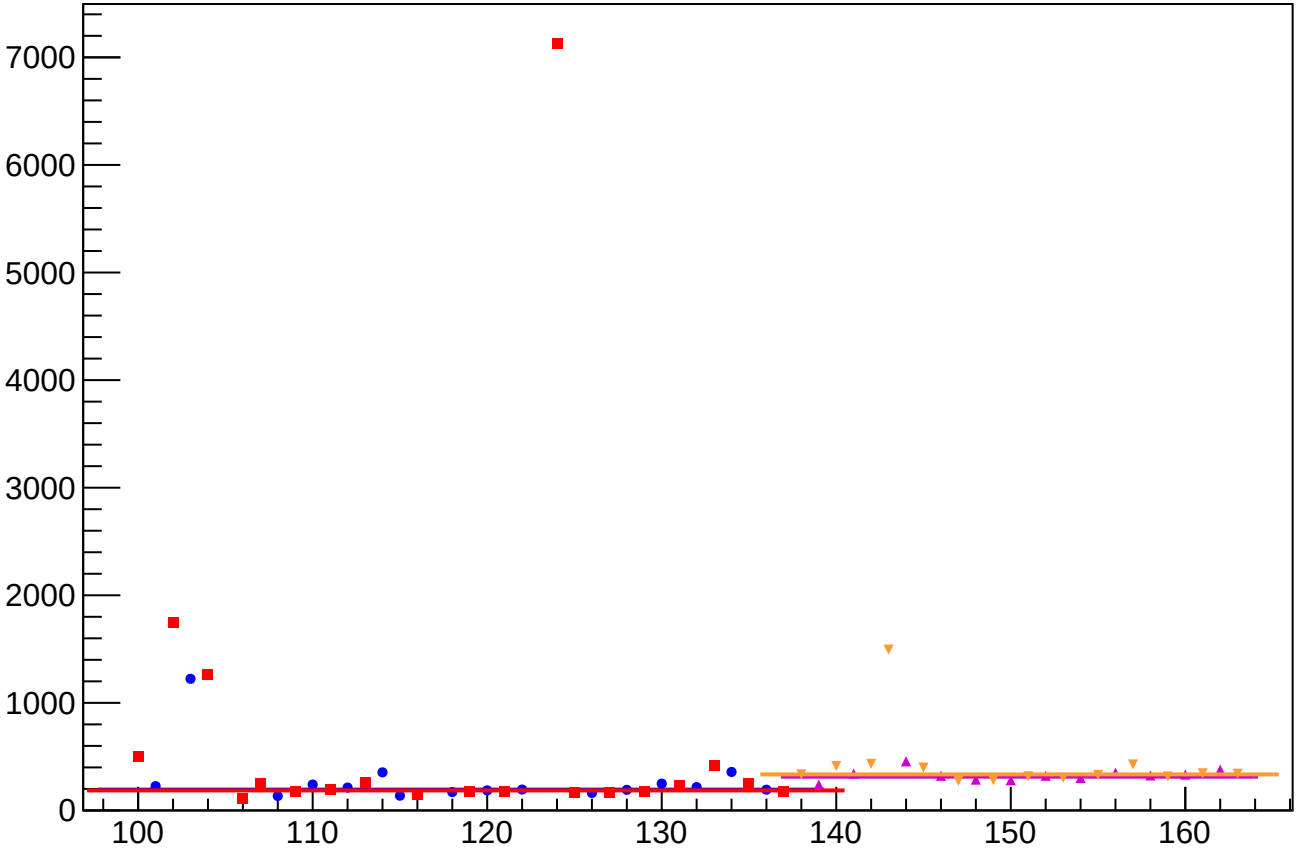
Left In: -0.001+/-0.100 χ^2/NDF:15.1/11

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.030+/-0.044 χ^2/NDF: 71.3/60

- sign -0.031+/-0.062 χ^2/NDF: 38.3/30

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.083+/-0.074 χ^2/NDF:1362668.8/13

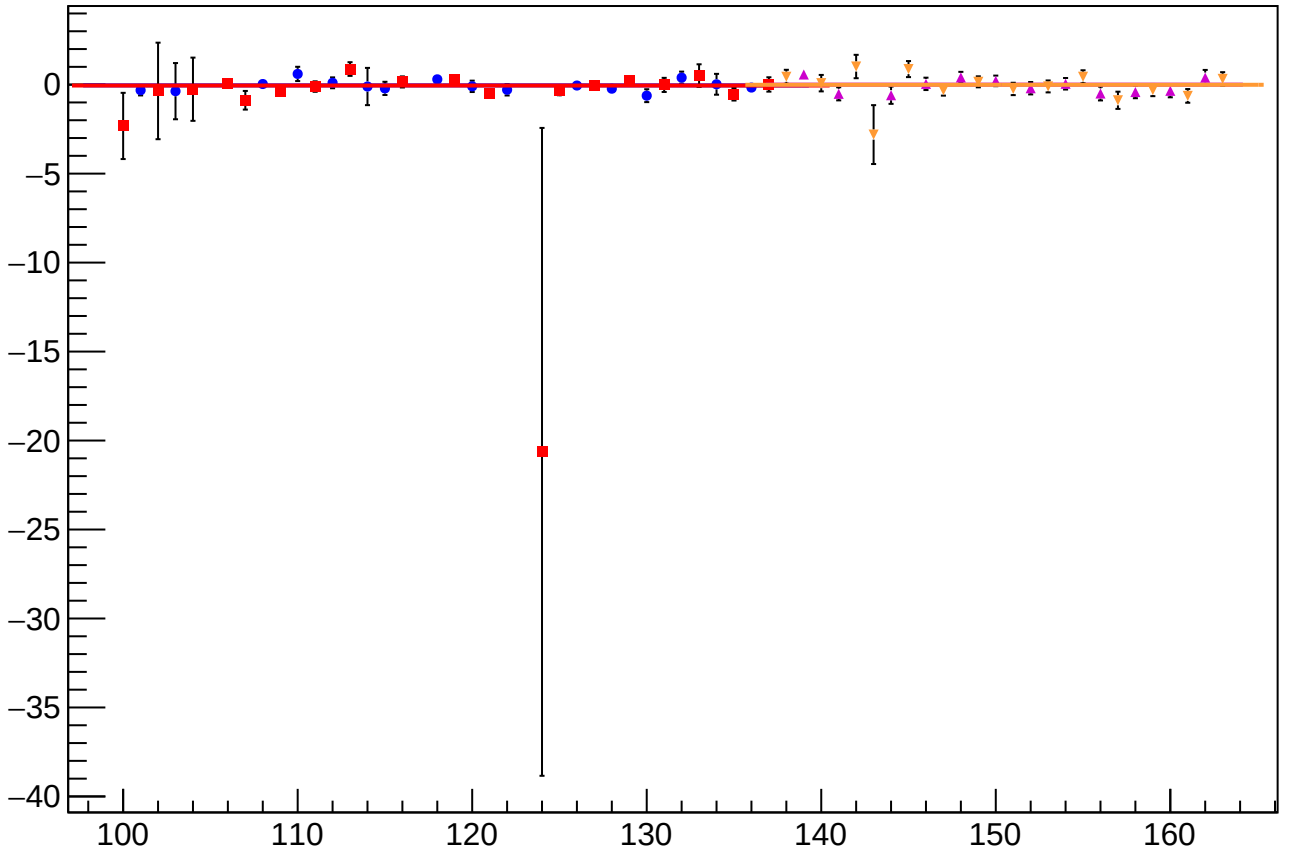
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.443+/-0.071 χ^2/NDF:443882.9/11

+ sign 243.674+/-0.044 χ^2/NDF: 5137182.6/29

All: 239.532+/-0.031 χ^2/NDF: 10102878.3/60

- sign 235.462+/-0.044 χ^2/NDF: 4948234.5/30



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: -0.008+/-0.105 χ^2/NDF:21.2/13

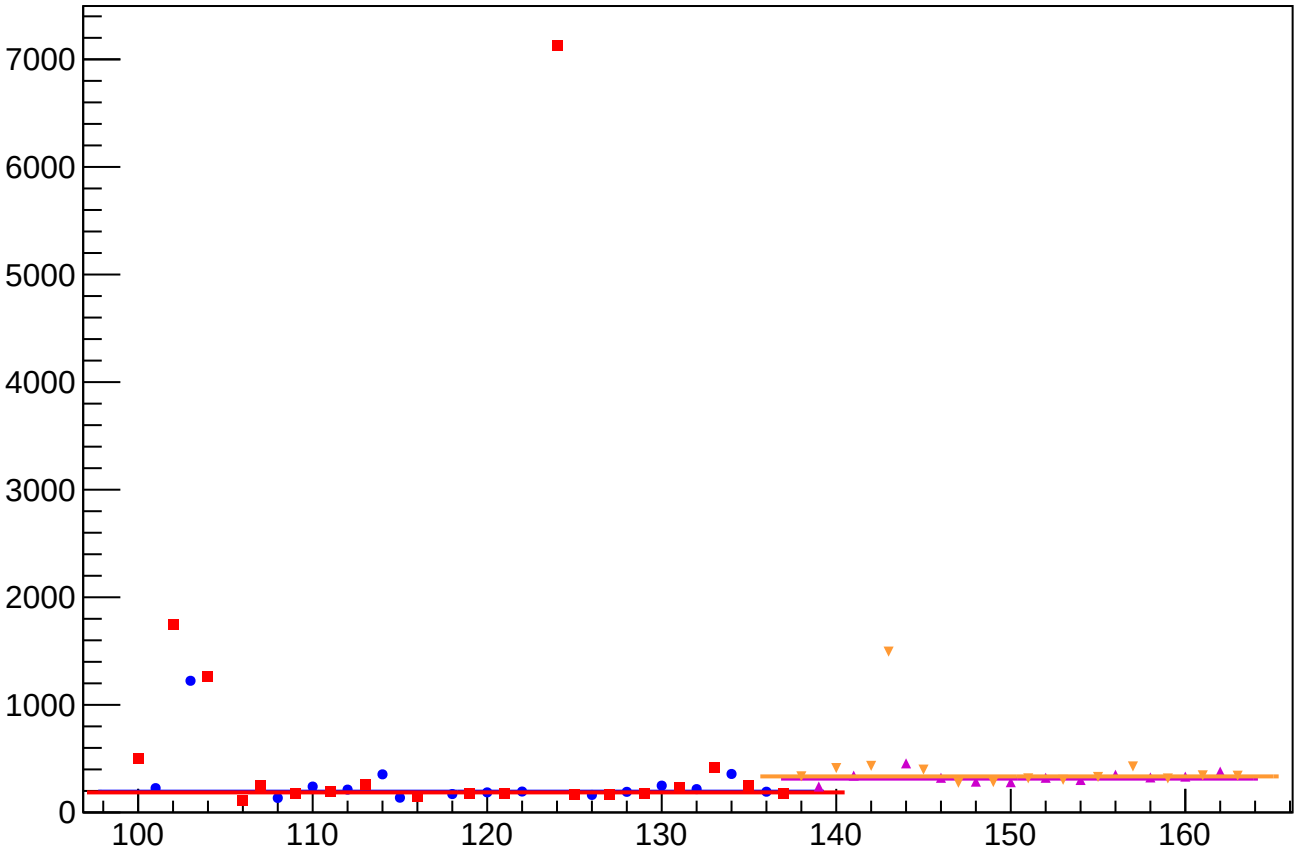
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.001+/-0.100 χ^2/NDF:15.1/11

+ sign -0.029+/-0.062 χ^2/NDF: 33.0/29

All: -0.030+/-0.044 χ^2/NDF: 71.3/60

- sign -0.031+/-0.062 χ^2/NDF: 38.3/30



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.083+/-0.074 χ^2/NDF:1362668.8/13

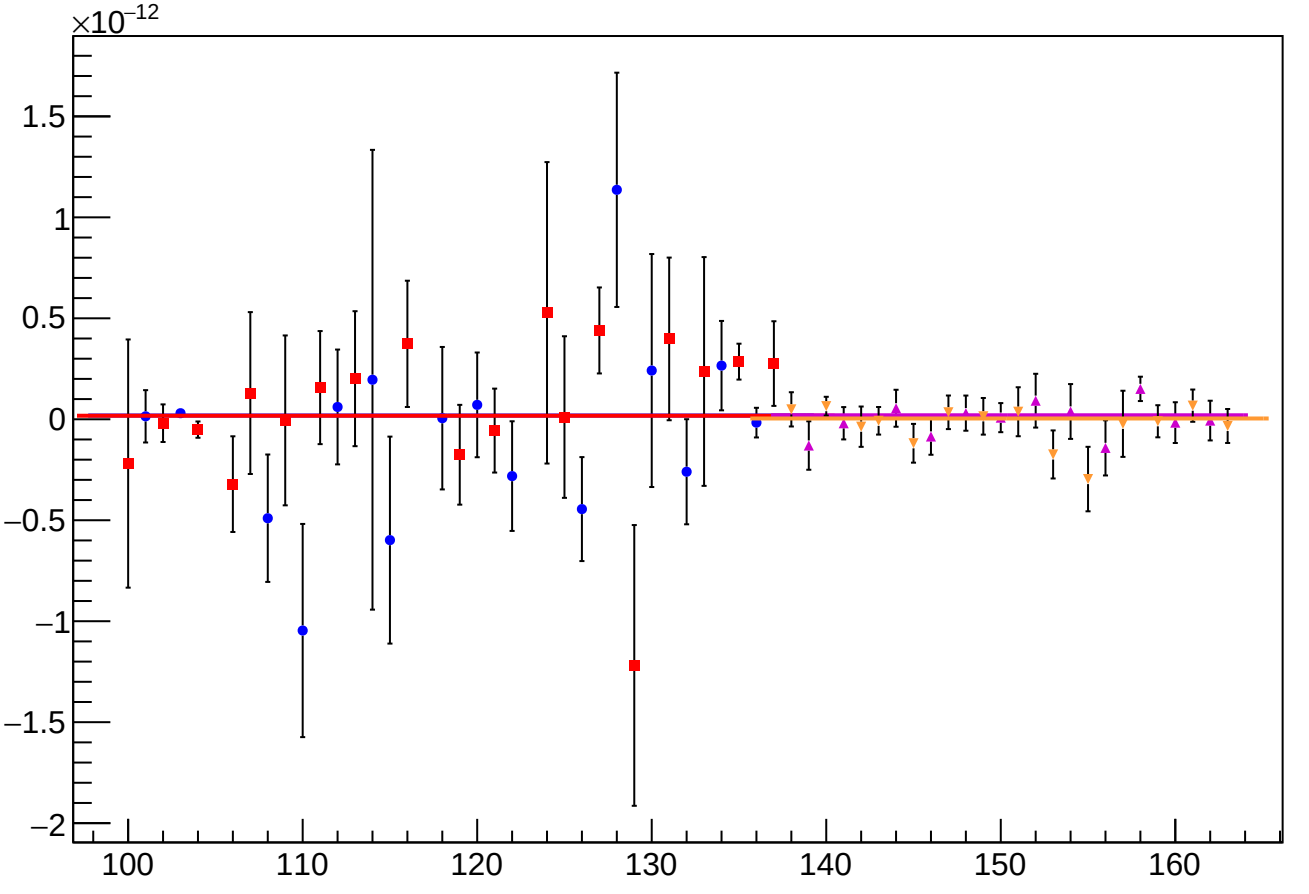
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.443+/-0.071 χ^2/NDF:443882.9/11

+ sign 243.674+/-0.044 χ^2/NDF: 5137182.6/29

All: 239.532+/-0.031 χ^2/NDF: 10102878.3/60

- sign 235.462+/-0.044 χ^2/NDF: 4948234.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/13

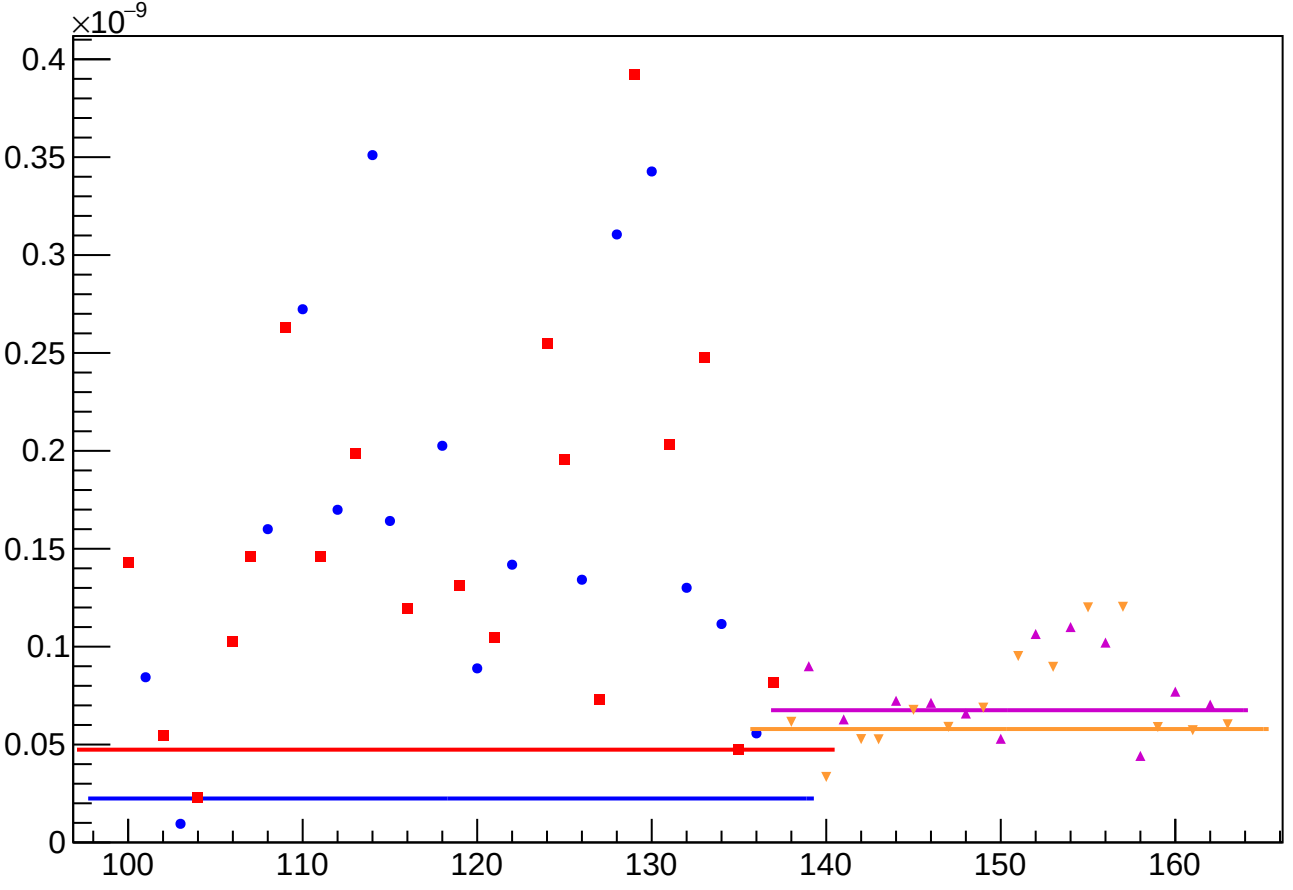
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 30.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.5/60

- sign 0.000+/-0.000 χ^2/NDF: 37.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1554354.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

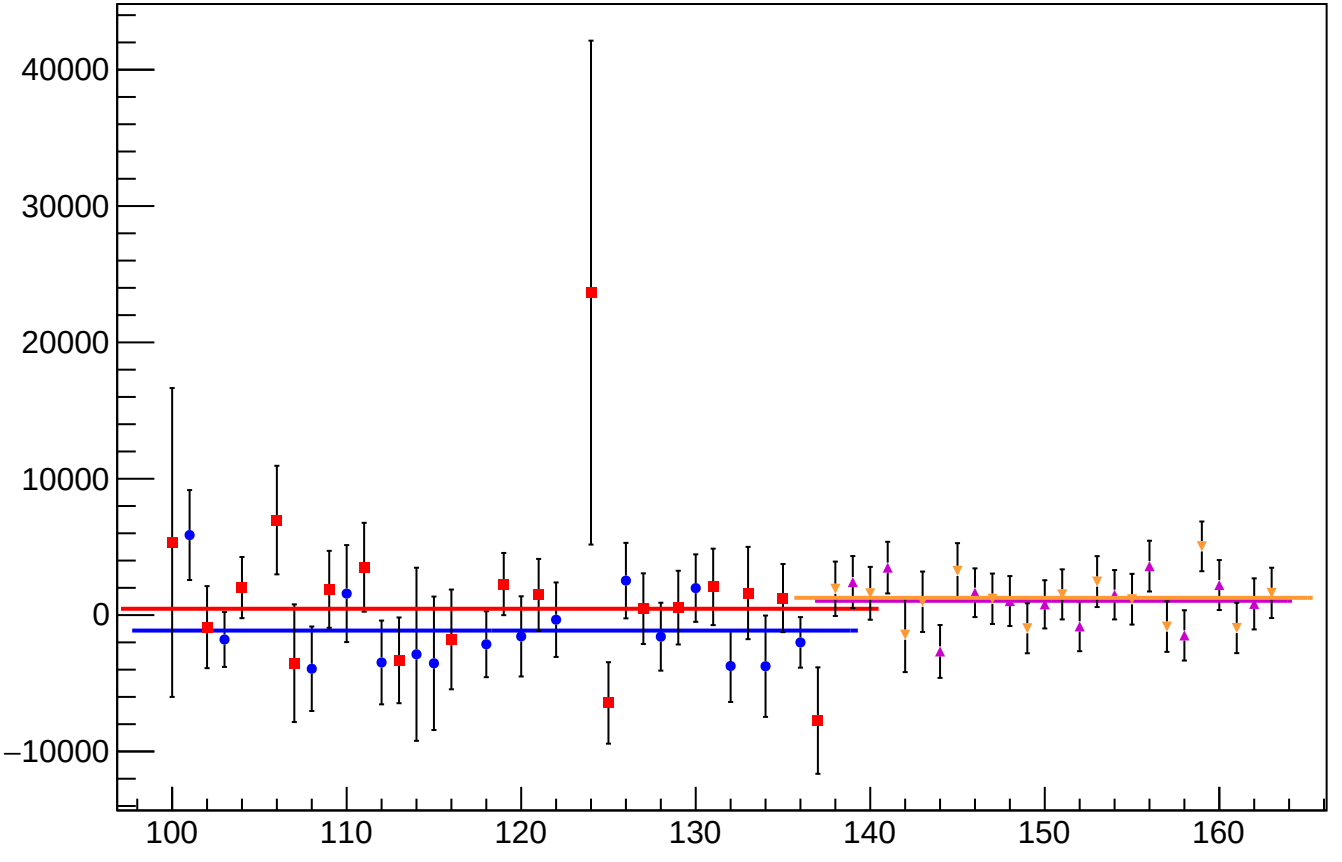
Left In: 0.000+/-0.000 χ^2/NDF:982372.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 10660876.1/29

All: 0.000+/-0.000 χ^2/NDF: 17688758.4/60

- sign 0.000+/-0.000 χ^2/NDF: 5703759.0/30

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.038+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

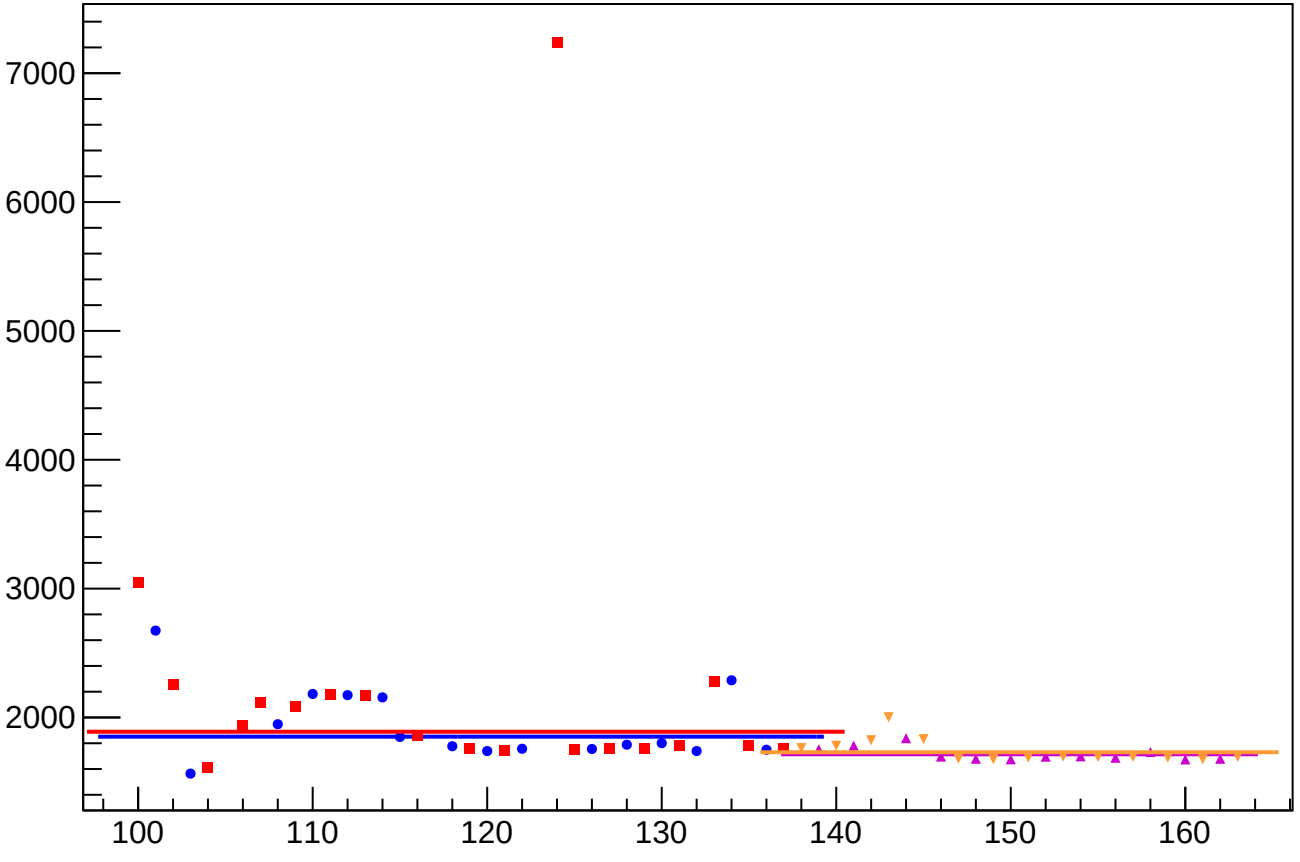
Left In: 1050.189+/-532.756 χ^2/NDF:11.3/11

+ sign 408.396+/-414.677 χ^2/NDF: 31.0/29

All: 617.805+/-296.887 χ^2/NDF: 63.2/60

- sign 838.025+/-425.245 χ^2/NDF: 31.7/30

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

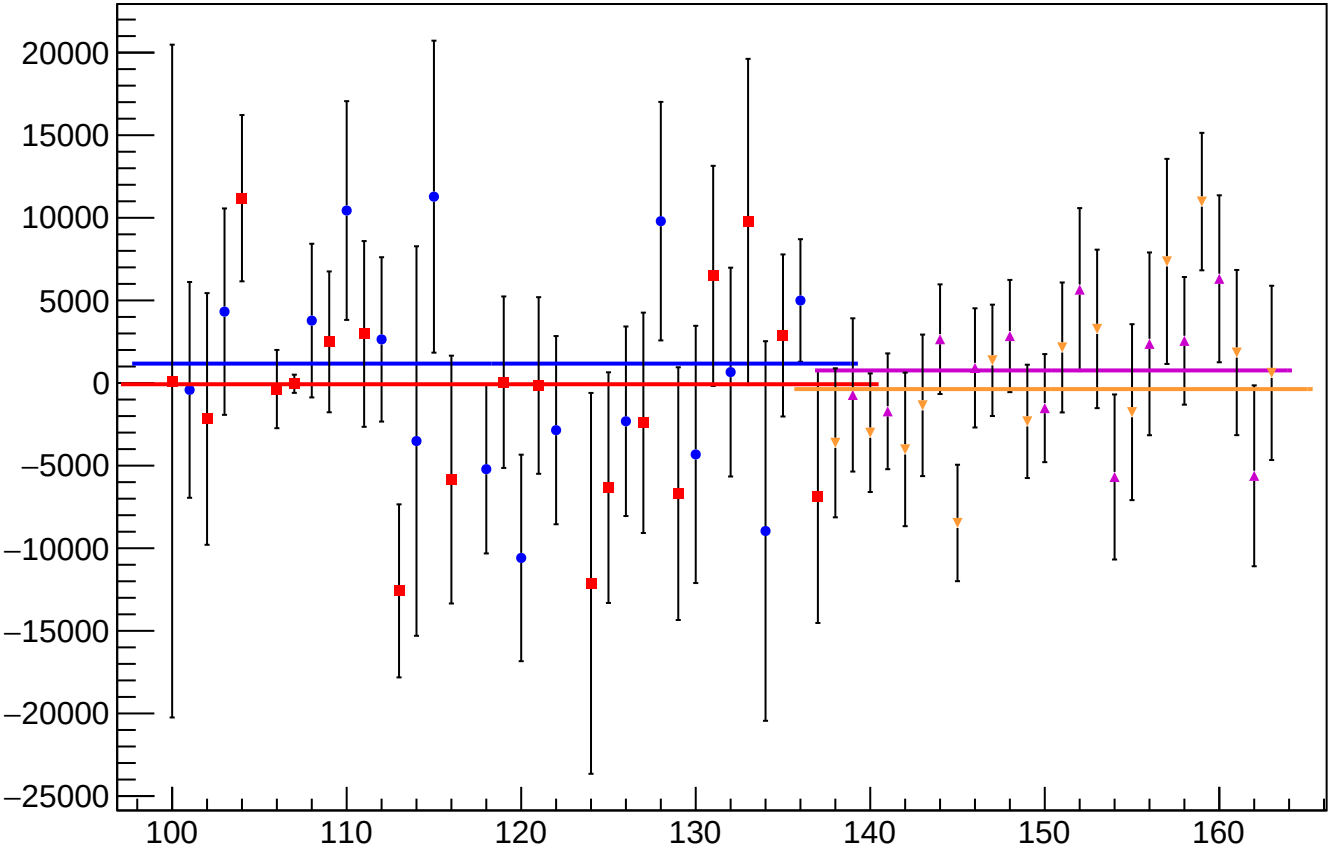
Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

+ sign 1773.478+/-0.293 χ^2/NDF: 348139.4/29

All: 1775.759+/-0.210 χ^2/NDF: 801955.0/60

- sign 1778.154+/-0.300 χ^2/NDF: 453691.5/30

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -367.609+/-1129.252 χ^2/NDF:17.9/13

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

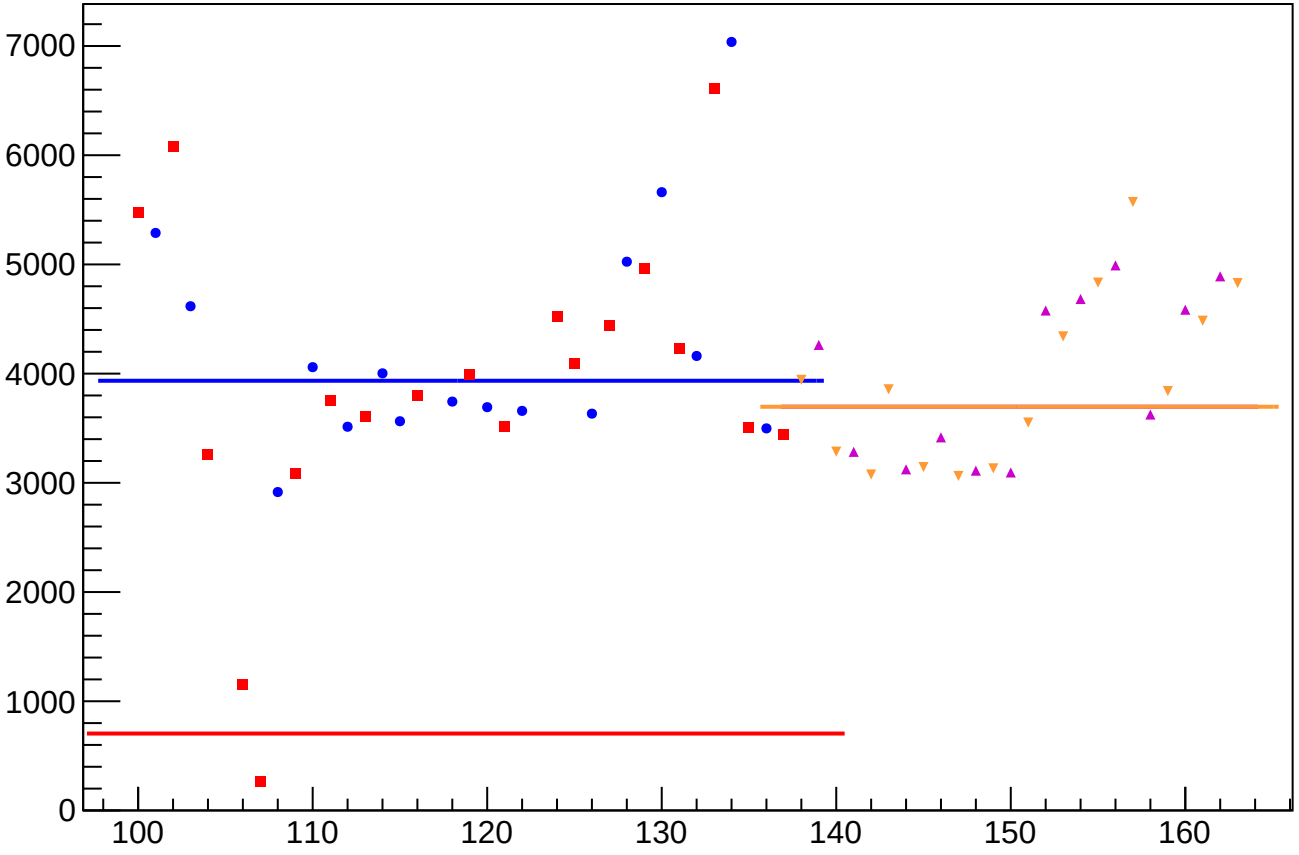
Left In: 762.927+/-1171.103 χ^2/NDF:7.3/11

+ sign 189.561+/-902.635 χ^2/NDF: 32.3/29

All: 86.028+/-412.851 χ^2/NDF: 58.0/60

- sign 58.640+/-464.259 χ^2/NDF: 25.7/30

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3696.681+/-0.799 χ^2/NDF:701283.6/13

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

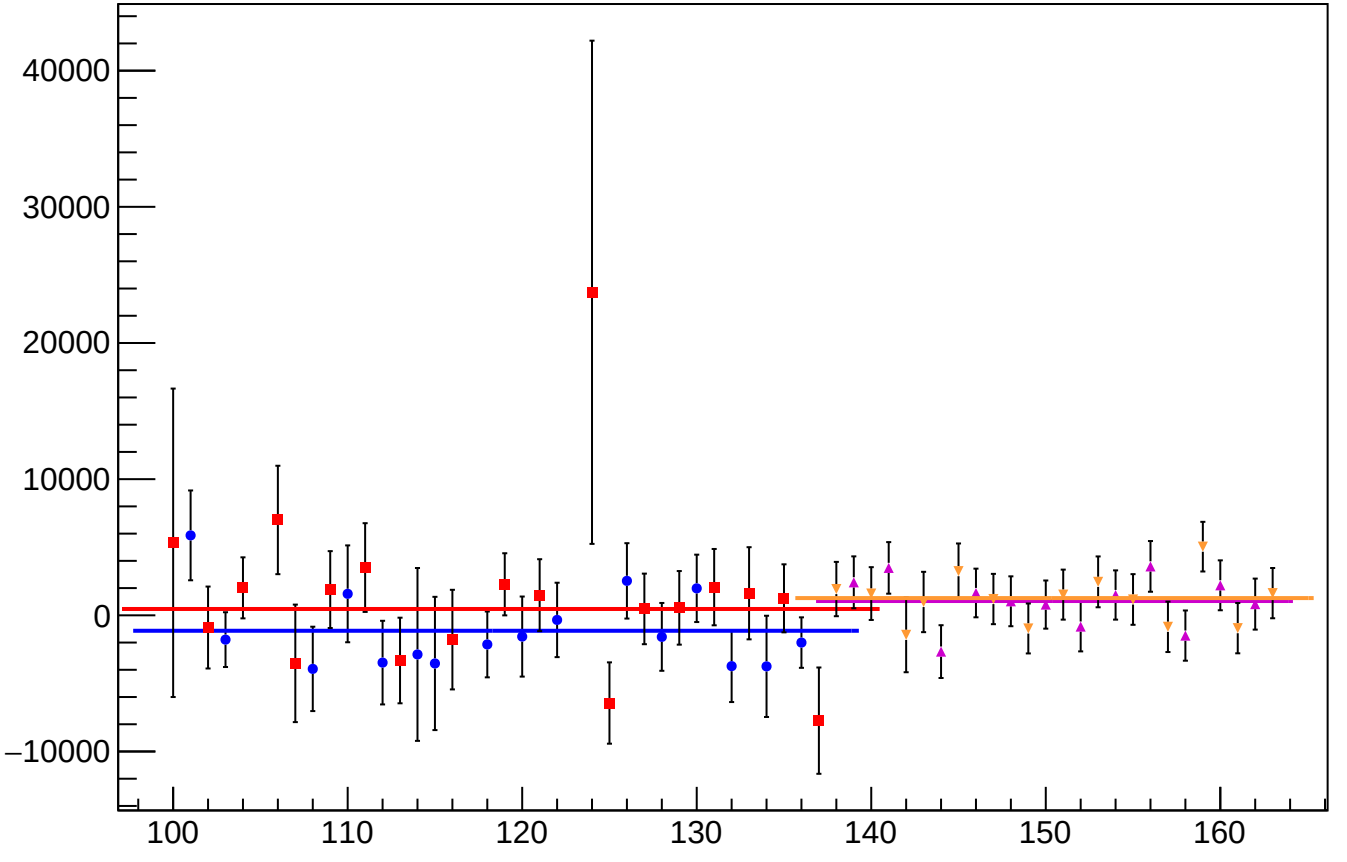
Left In: 3696.904+/-0.828 χ^2/NDF:665443.9/11

+ sign 3782.633+/-0.638 χ^2/NDF: 1293497.5/29

All: 1720.264+/-0.292 χ^2/NDF: 36787358.7/6

- sign 1174.678+/-0.328 χ^2/NDF: 22290880.6/30

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

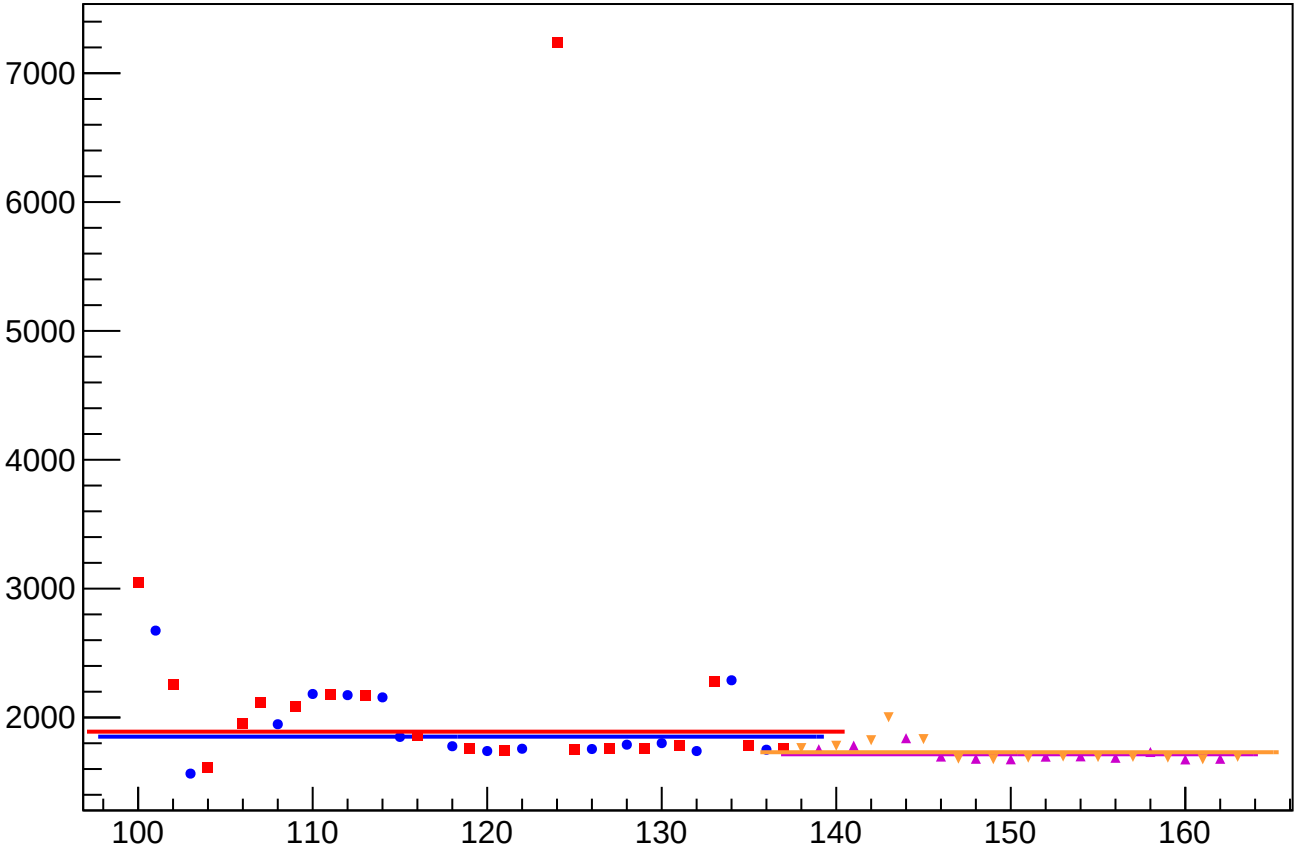
Left In: 1050.149+/-532.756 χ^2/NDF:11.3/11

+ sign 408.611+/-414.677 χ^2/NDF: 31.0/29

All: 617.970+/-296.887 χ^2/NDF: 63.2/60

- sign 838.138+/-425.246 χ^2/NDF: 31.7/30

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

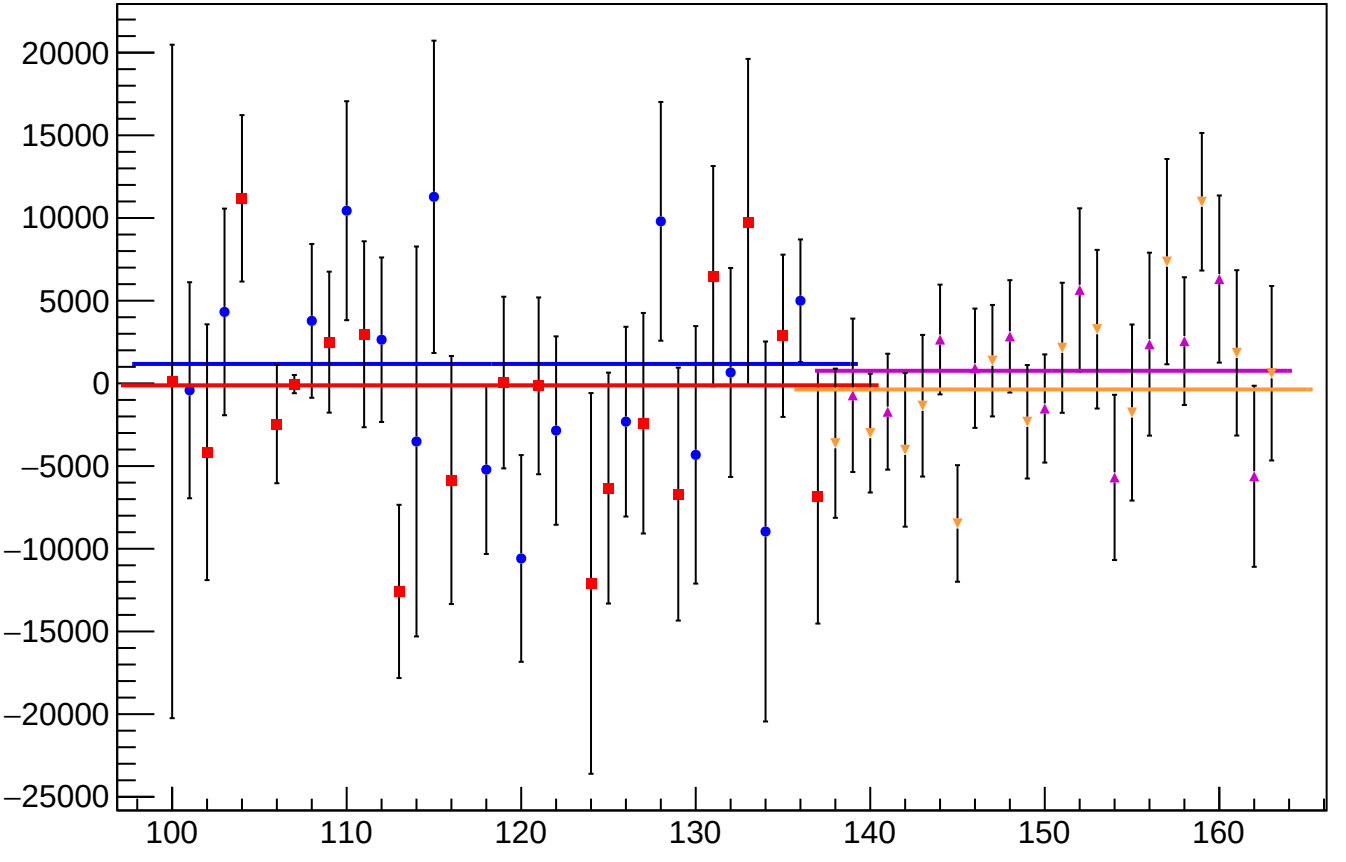
Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

+ sign 1773.478+/-0.293 χ^2/NDF: 348138.8/29

All: 1775.831+/-0.210 χ^2/NDF: 802571.4/60

- sign 1778.302+/-0.300 χ^2/NDF: 454300.5/30

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

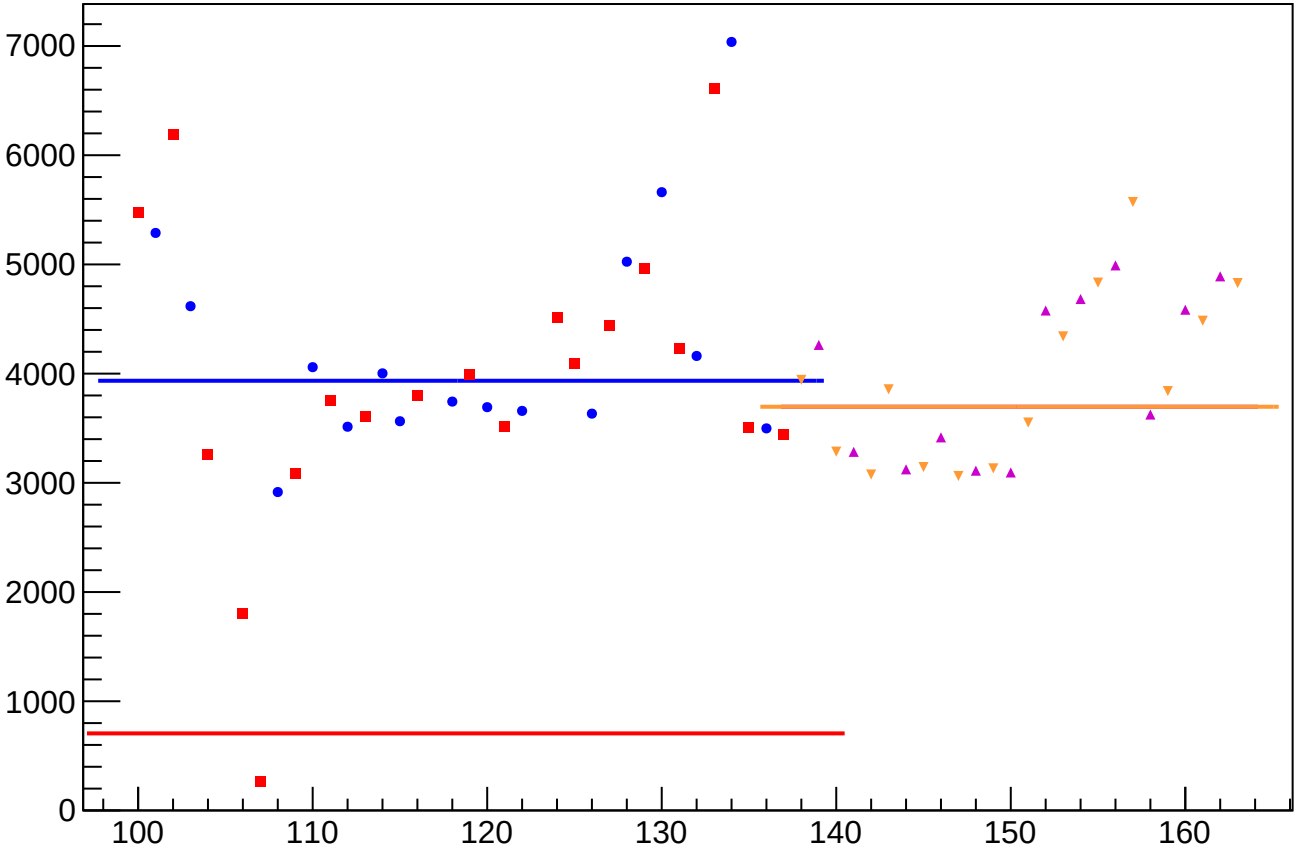
Left In: 762.910+/-1171.103 χ^2/NDF:7.3/11

+ sign 189.543+/-902.635 χ^2/NDF: 32.3/29

All: 60.209+/-416.417 χ^2/NDF: 58.6/60

- sign 25.240+/-469.347 χ^2/NDF: 26.3/30

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

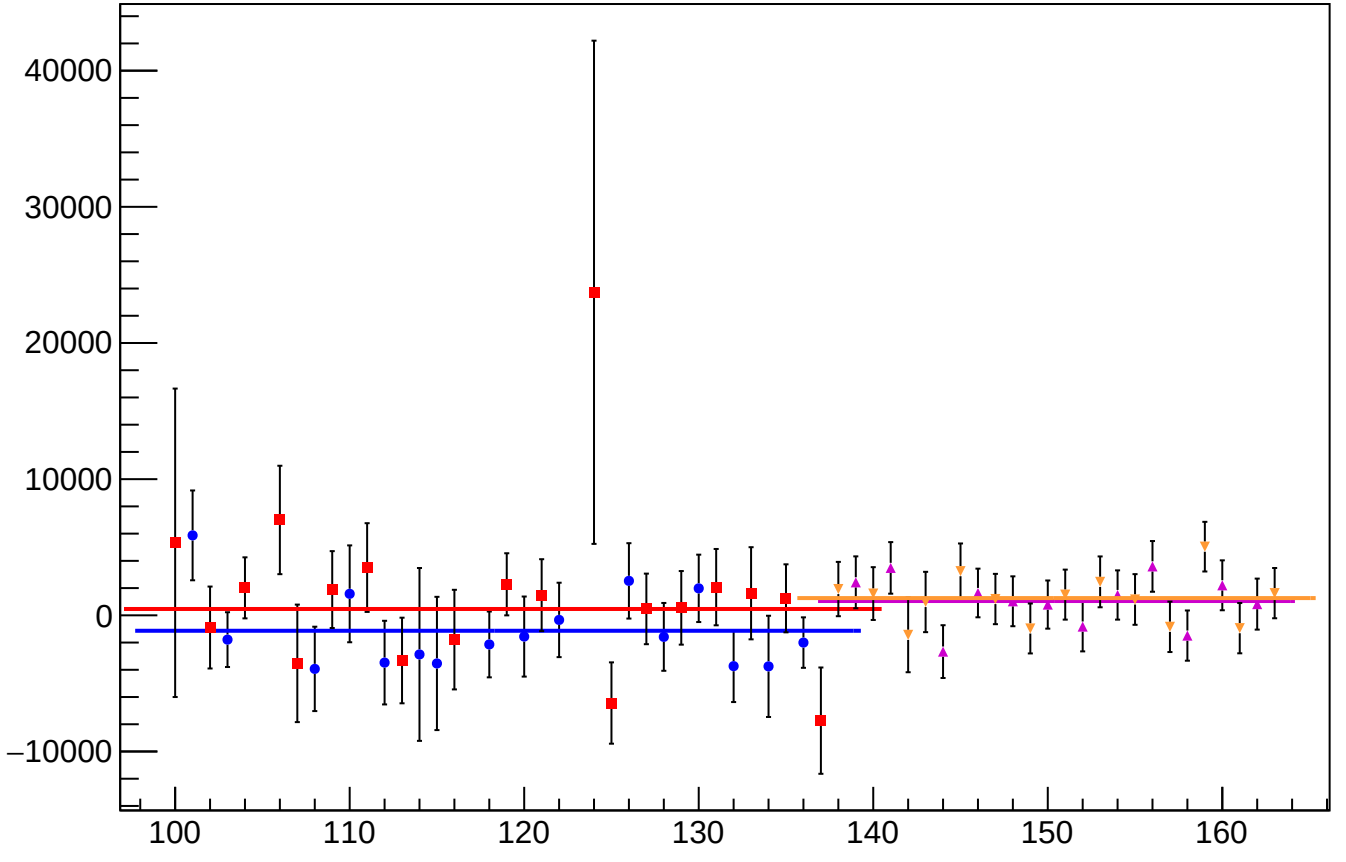
Left In: 3696.905+/-0.828 χ^2/NDF:665432.3/11

+ sign 3782.628+/-0.638 χ^2/NDF: 1293532.3/29

All: 1738.703+/-0.294 χ^2/NDF: 36686378.9/6

- sign 1186.079+/-0.332 χ^2/NDF: 22365164.0/30

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

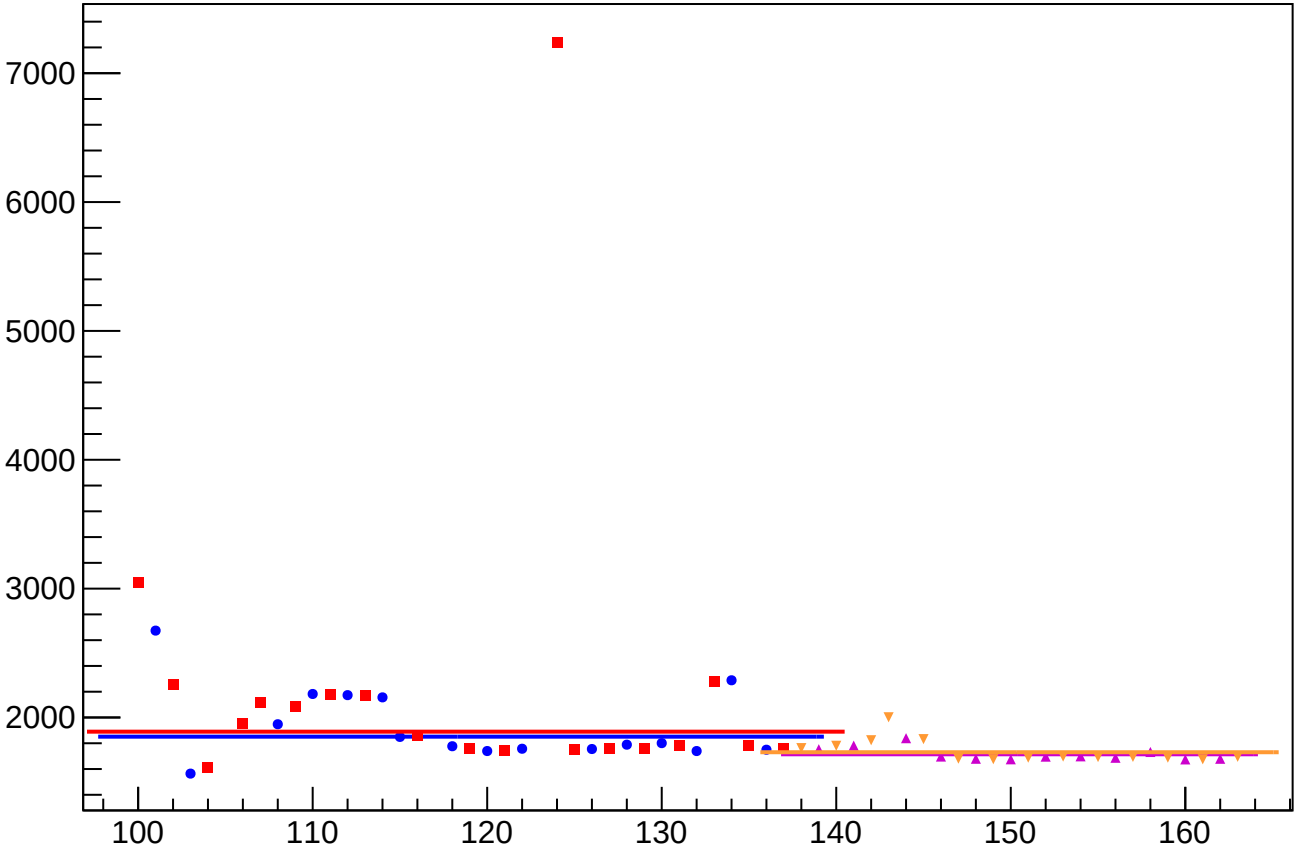
Left In: 1050.149+/-532.756 χ^2/NDF:11.3/11

+ sign 408.611+/-414.677 χ^2/NDF: 31.0/29

All: 617.970+/-296.887 χ^2/NDF: 63.2/60

- sign 838.138+/-425.246 χ^2/NDF: 31.7/30

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

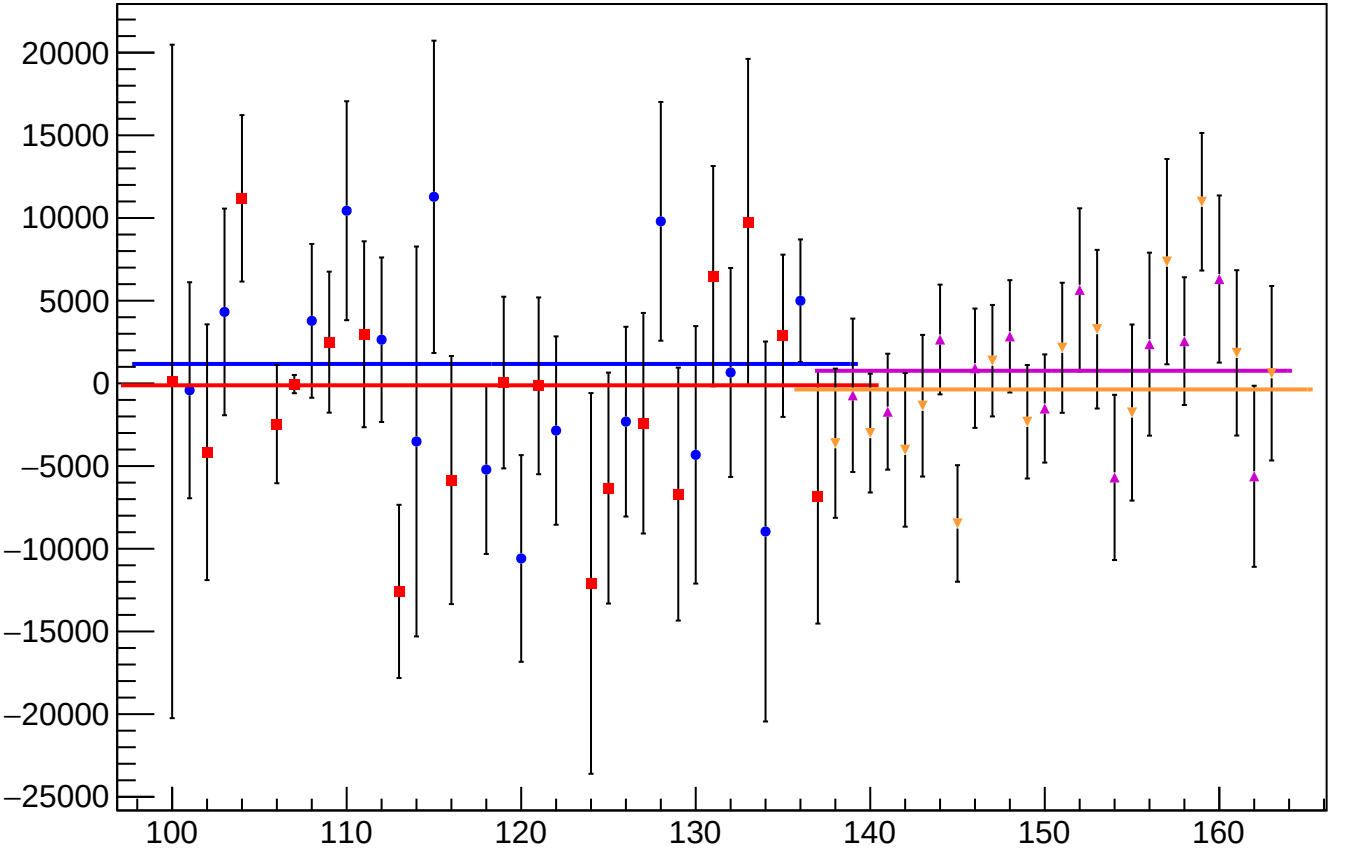
Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

+ sign 1773.478+/-0.293 χ^2/NDF: 348138.8/29

All: 1775.831+/-0.210 χ^2/NDF: 802571.4/60

- sign 1778.302+/-0.300 χ^2/NDF: 454300.5/30

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

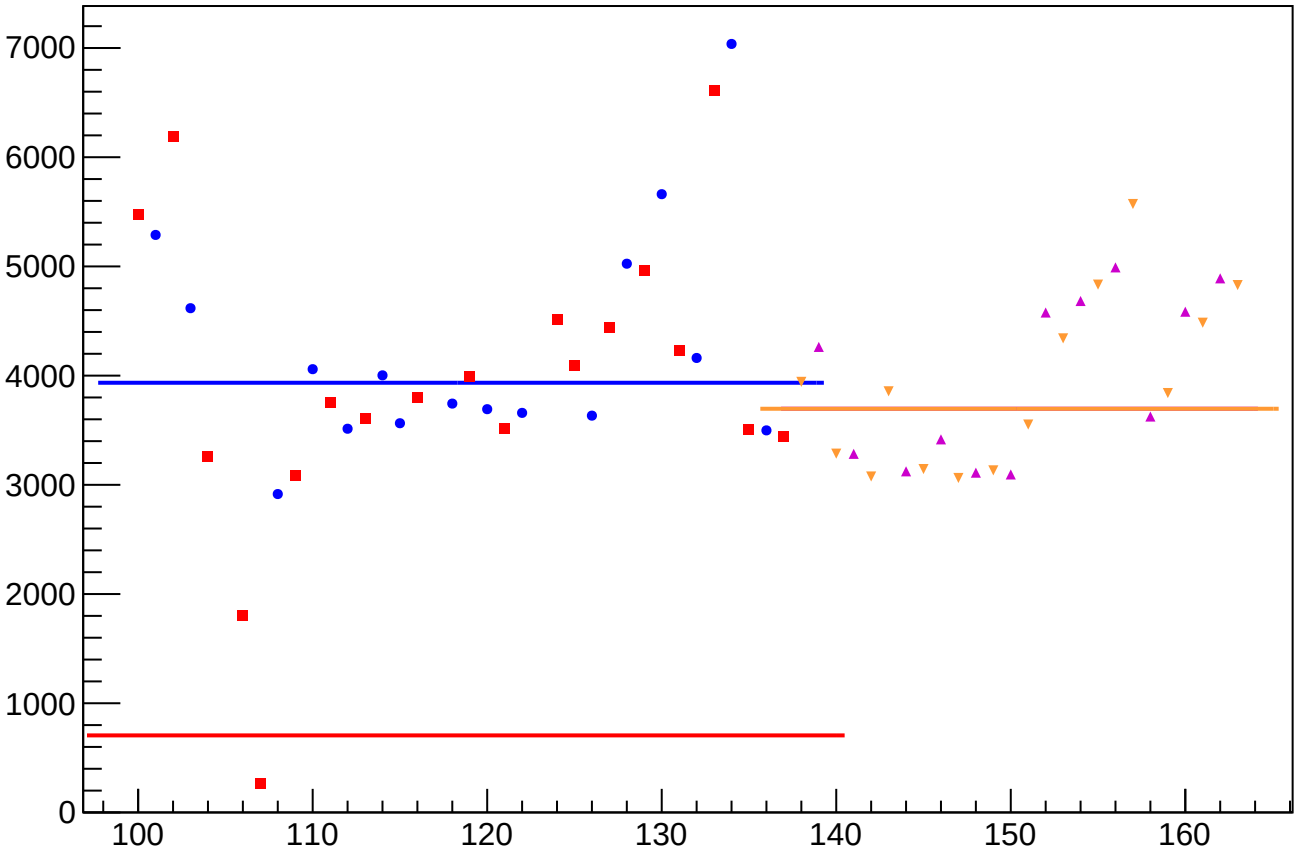
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 762.910+/-1171.103 χ^2/NDF:7.3/11

+ sign 189.543+/-902.635 χ^2/NDF: 32.3/29

All: 60.209+/-416.417 χ^2/NDF: 58.6/60

- sign 25.240+/-469.347 χ^2/NDF: 26.3/30



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

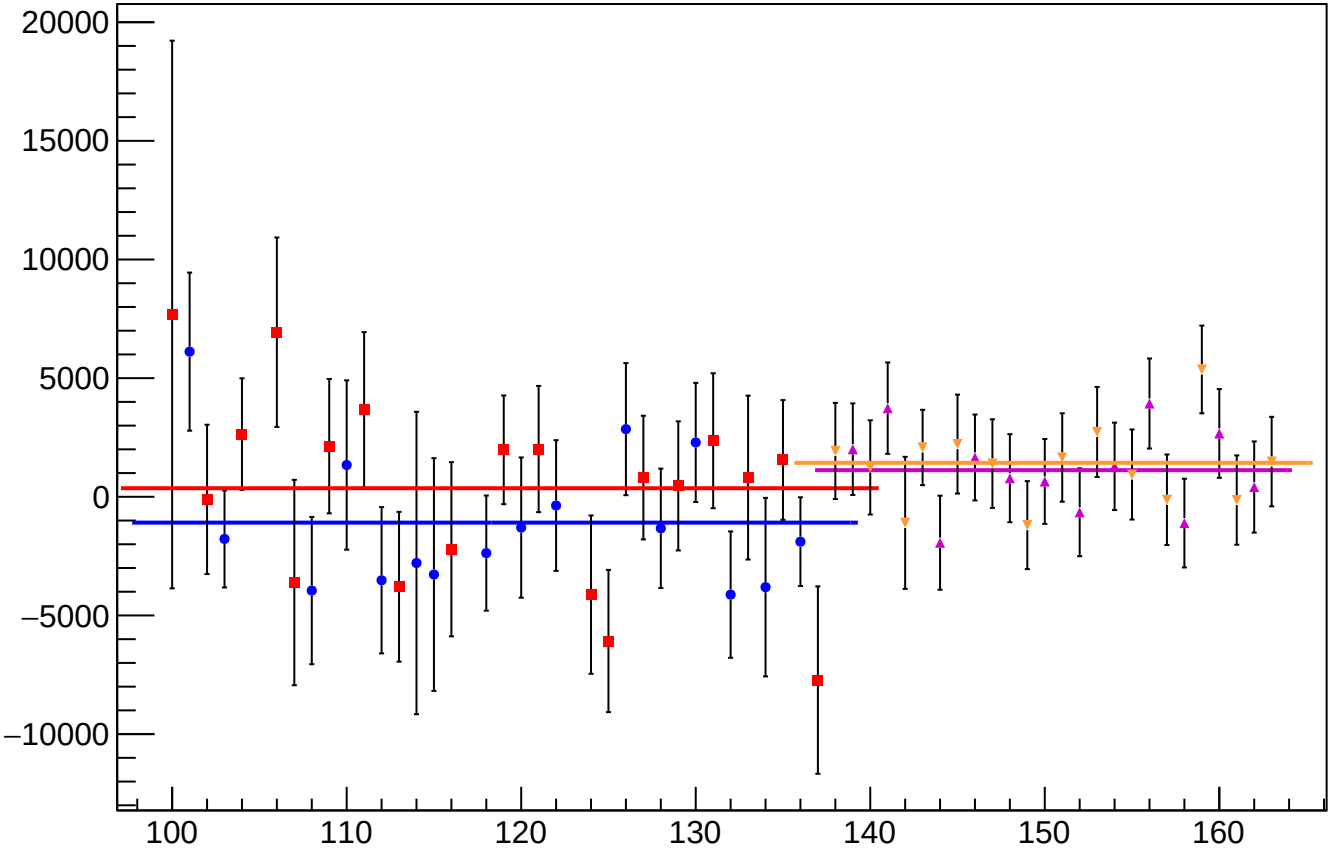
Left In: 3696.905+/-0.828 χ^2/NDF:665432.3/11

+ sign 3782.628+/-0.638 χ^2/NDF: 1293532.3/29

All: 1738.703+/-0.294 χ^2/NDF: 36686378.9/6

- sign 1186.079+/-0.332 χ^2/NDF: 22365164.0/30

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1431.496+/-512.593 χ^2/NDF:9.7/13

Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

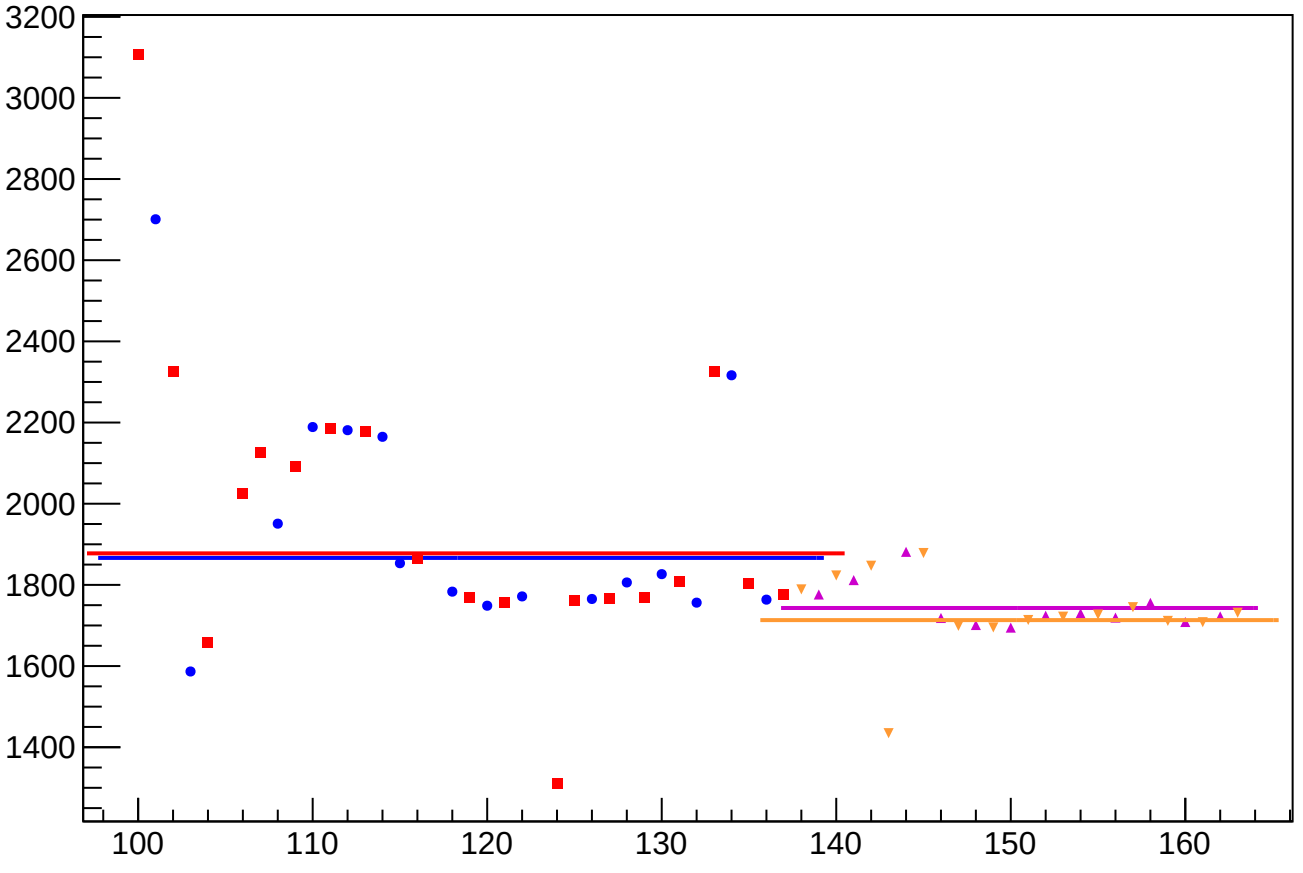
Left In: 1123.190+/-541.684 χ^2/NDF:10.0/11

+ sign 551.458+/-413.479 χ^2/NDF: 31.3/29

All: 689.501+/-297.482 χ^2/NDF: 63.1/60

- sign 837.631+/-428.320 χ^2/NDF: 31.6/30

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.201+/-0.362 χ^2/NDF:88919.8/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

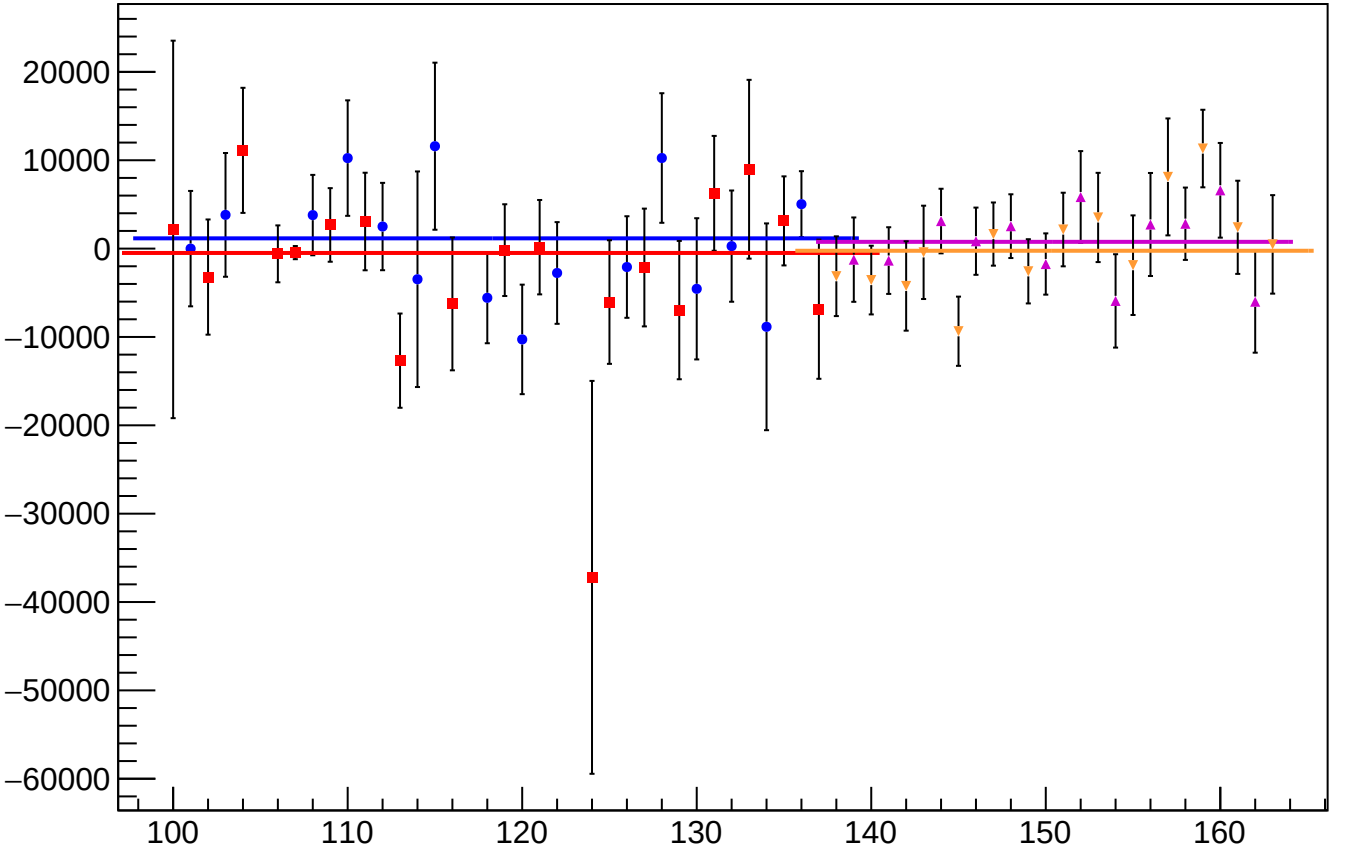
Left In: 1743.075+/-0.383 χ^2/NDF:17366.5/11

+ sign 1766.738+/-0.292 χ^2/NDF: 407633.8/29

All: 1779.682+/-0.210 χ^2/NDF: 727229.1/60

- sign 1793.564+/-0.303 χ^2/NDF: 315533.0/30

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -243.564+/-1212.208 χ^2/NDF:17.6/13

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

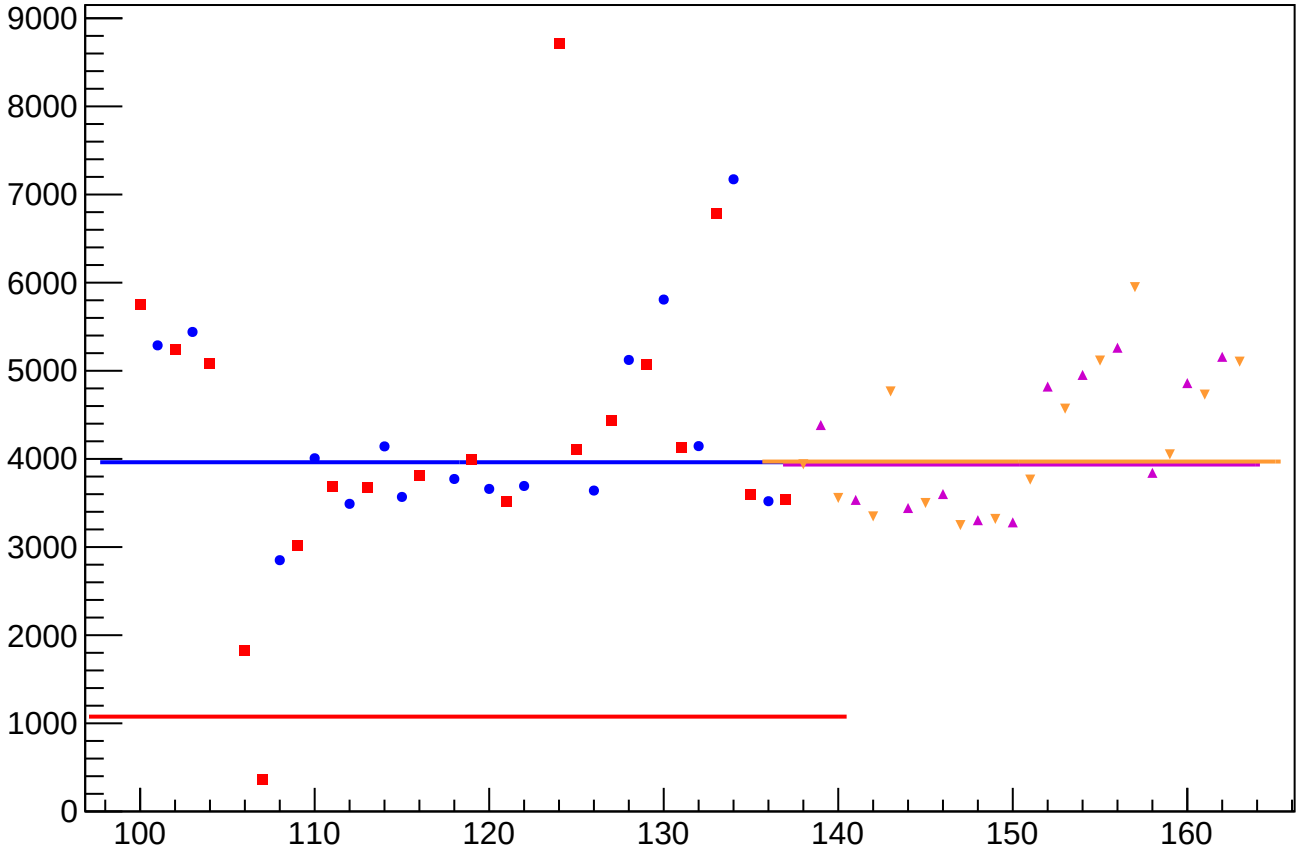
Left In: 765.706+/-1245.314 χ^2/NDF:7.2/11

+ sign 305.948+/-945.834 χ^2/NDF: 31.8/29

All: -73.965+/-495.759 χ^2/NDF: 56.9/60

- sign -217.878+/-582.133 χ^2/NDF: 24.9/30

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3970.151+/-0.857 χ^2/NDF:692160.9/13

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

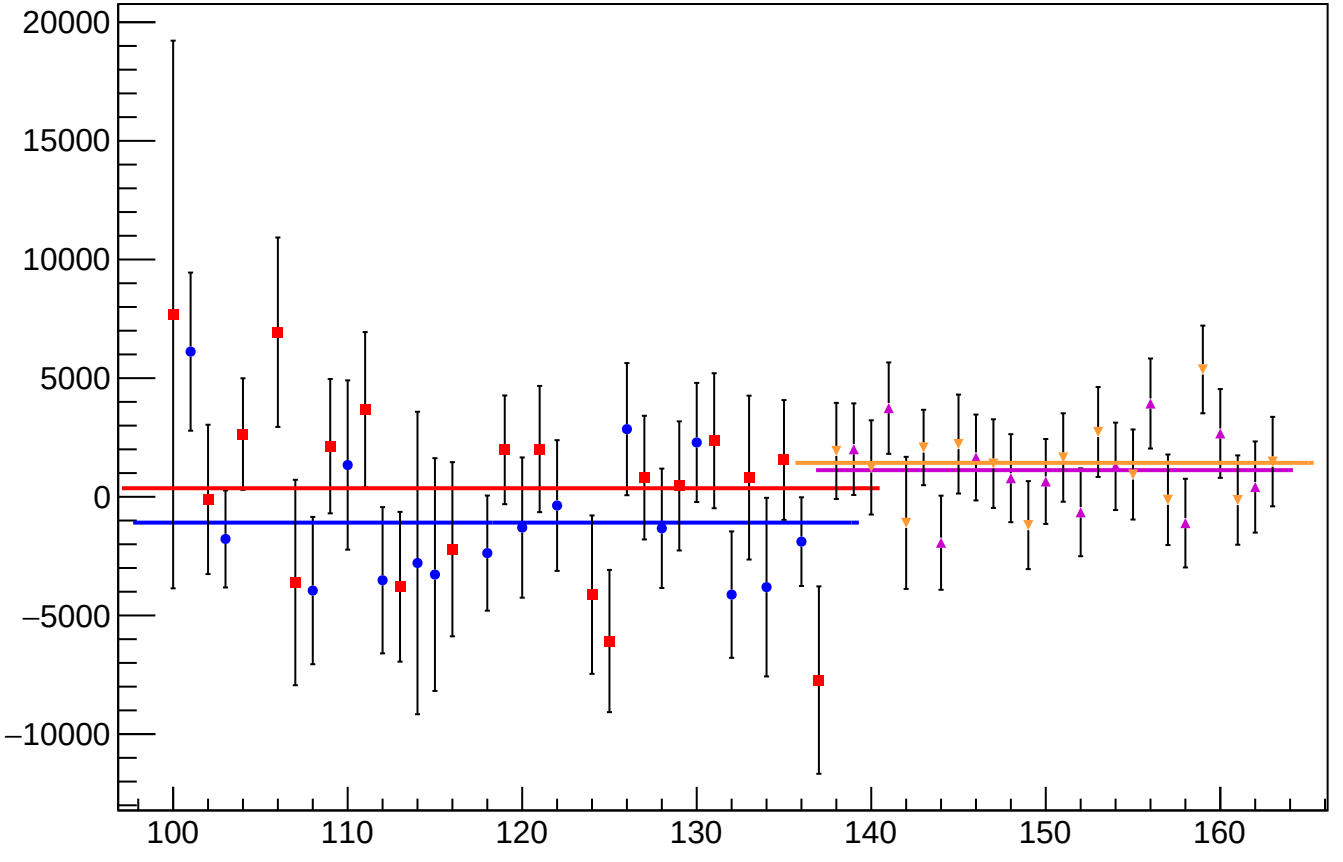
Left In: 3936.203+/-0.881 χ^2/NDF:610531.1/11

+ sign 3967.106+/-0.669 χ^2/NDF: 1360532.8/29

All: 2323.555+/-0.351 χ^2/NDF: 28101207.2/6

- sign 1700.972+/-0.412 χ^2/NDF: 18414049.5/30

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1431.503+/-512.594 χ^2/NDF:9.7/13

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

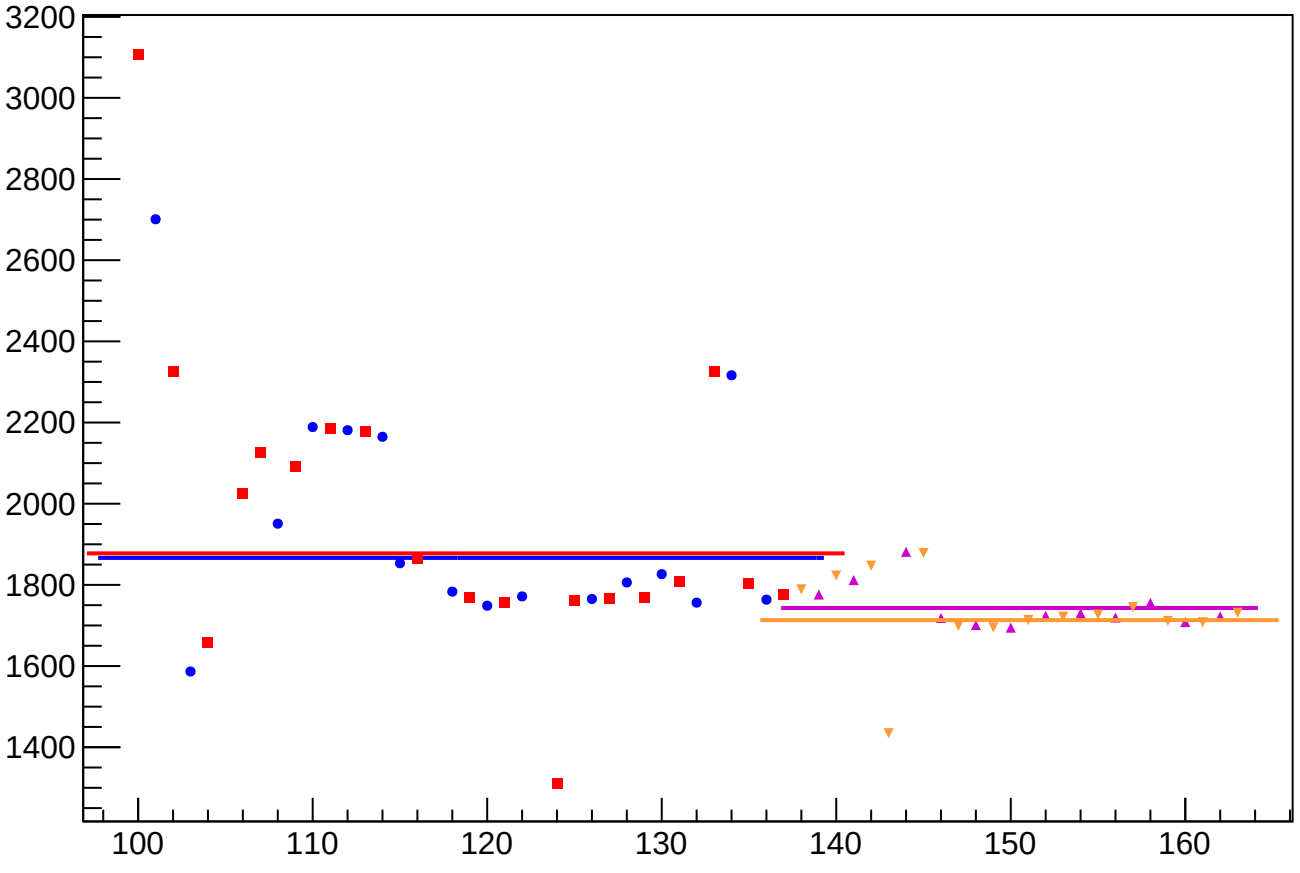
Left In: 1123.189+/-541.684 χ^2/NDF:10.0/11

+ sign 551.459+/-413.480 χ^2/NDF: 31.3/29

All: 689.502+/-297.482 χ^2/NDF: 63.1/60

- sign 837.632+/-428.320 χ^2/NDF: 31.6/30

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.202+/-0.362 χ^2/NDF:88918.9/13

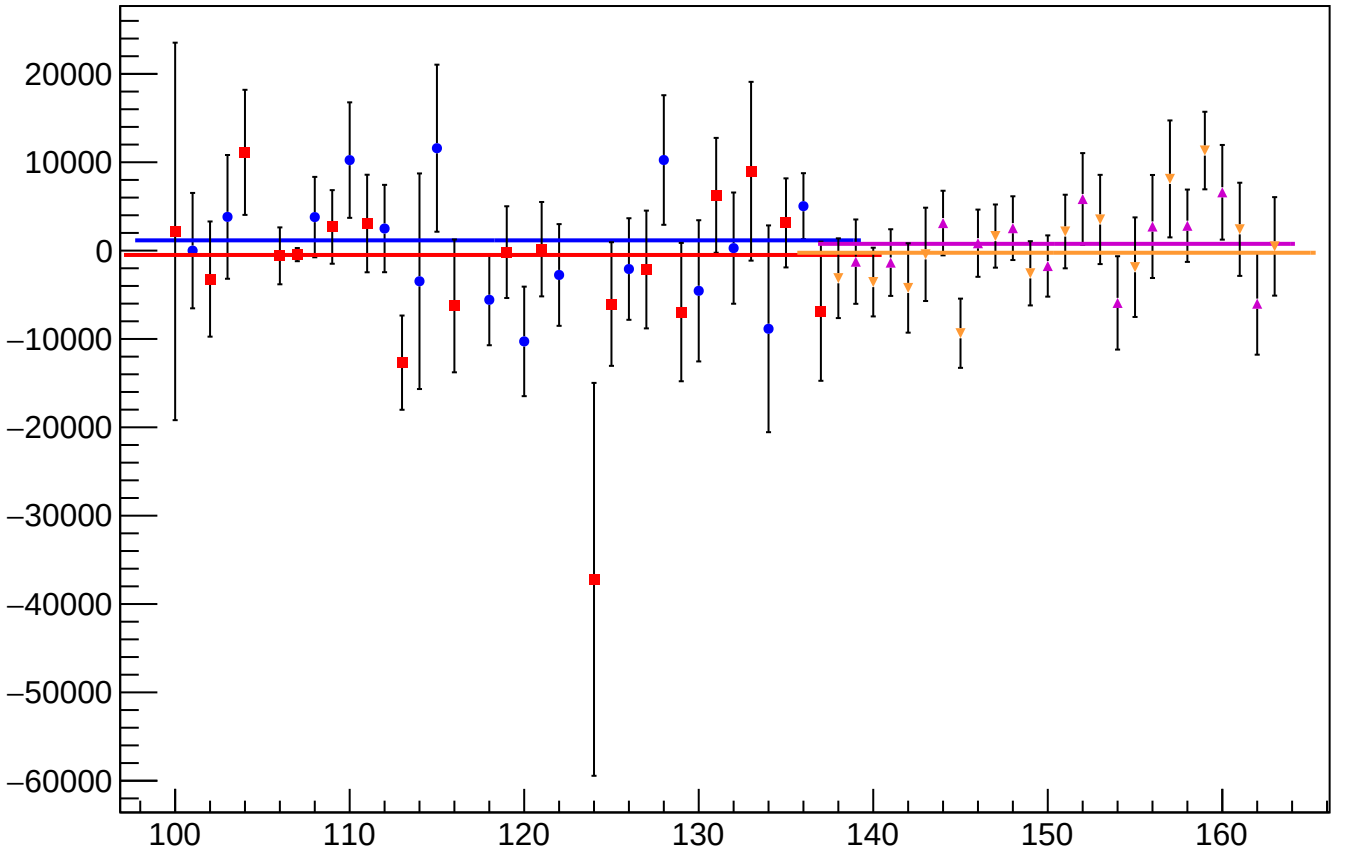
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.075+/-0.383 χ^2/NDF:17366.3/11

+ sign 1766.738+/-0.292 χ^2/NDF: 407631.8/29

All: 1779.683+/-0.210 χ^2/NDF: 727226.8/60

- sign 1793.564+/-0.303 χ^2/NDF: 315532.7/30



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -243.562+/-1212.209 χ^2/NDF:17.6/13

Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

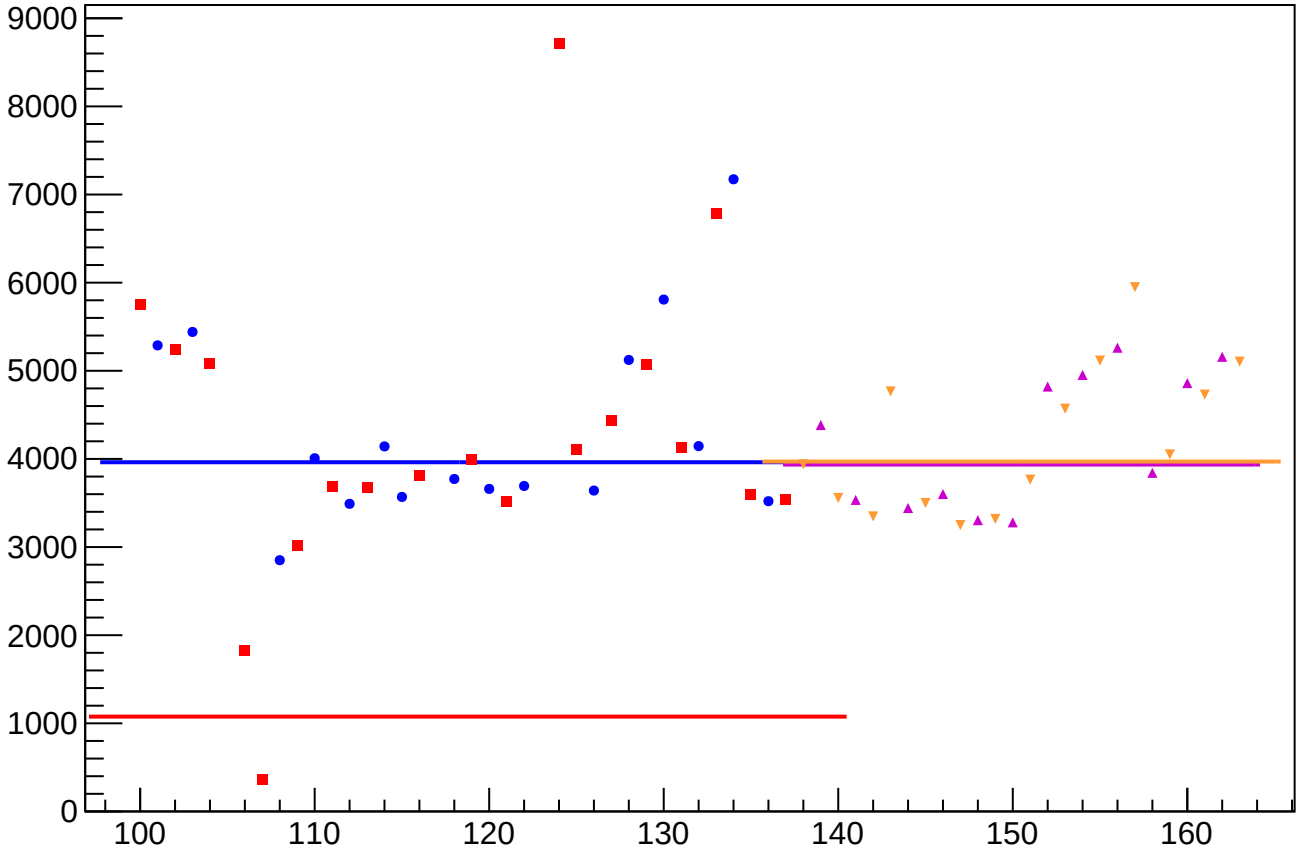
Left In: 765.705+/-1245.315 χ^2/NDF:7.2/11

\+ sign 305.943+/-945.834 χ^2/NDF: 31.8/29

All: -73.963+/-495.764 χ^2/NDF: 56.9/60

\- sign -217.877+/-582.141 χ^2/NDF: 24.9/30

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3970.156+/-0.857 χ^2/NDF:692160.7/13

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

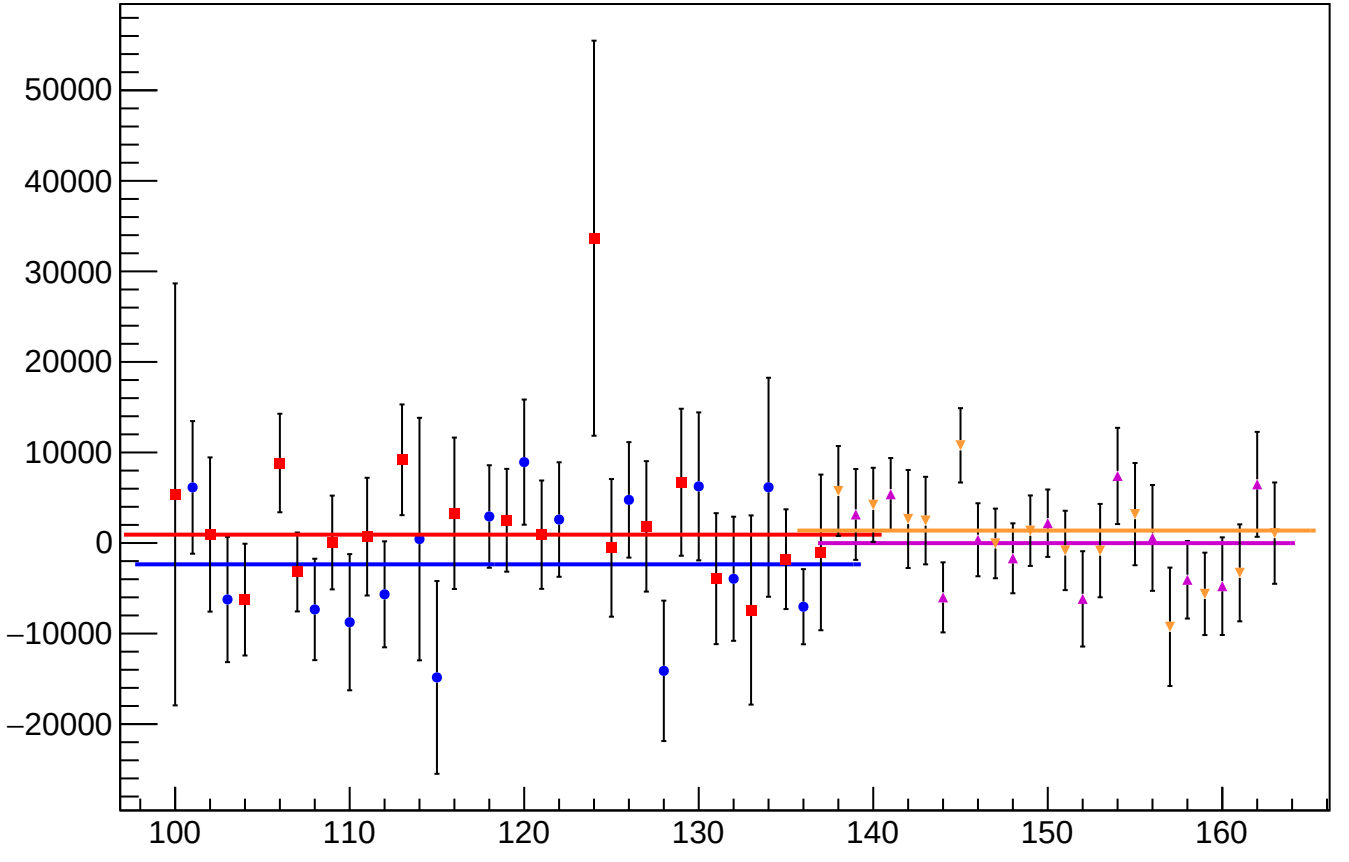
Left In: 3936.209+/-0.881 χ^2/NDF:610530.5/11

+ sign 3967.107+/-0.669 χ^2/NDF: 1360528.9/29

All: 2323.596+/-0.351 χ^2/NDF: 28100499.1/6

- sign 1701.012+/-0.412 χ^2/NDF: 18413696.1/30

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1376.030+/-1260.145 χ^2/NDF:13.1/13

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

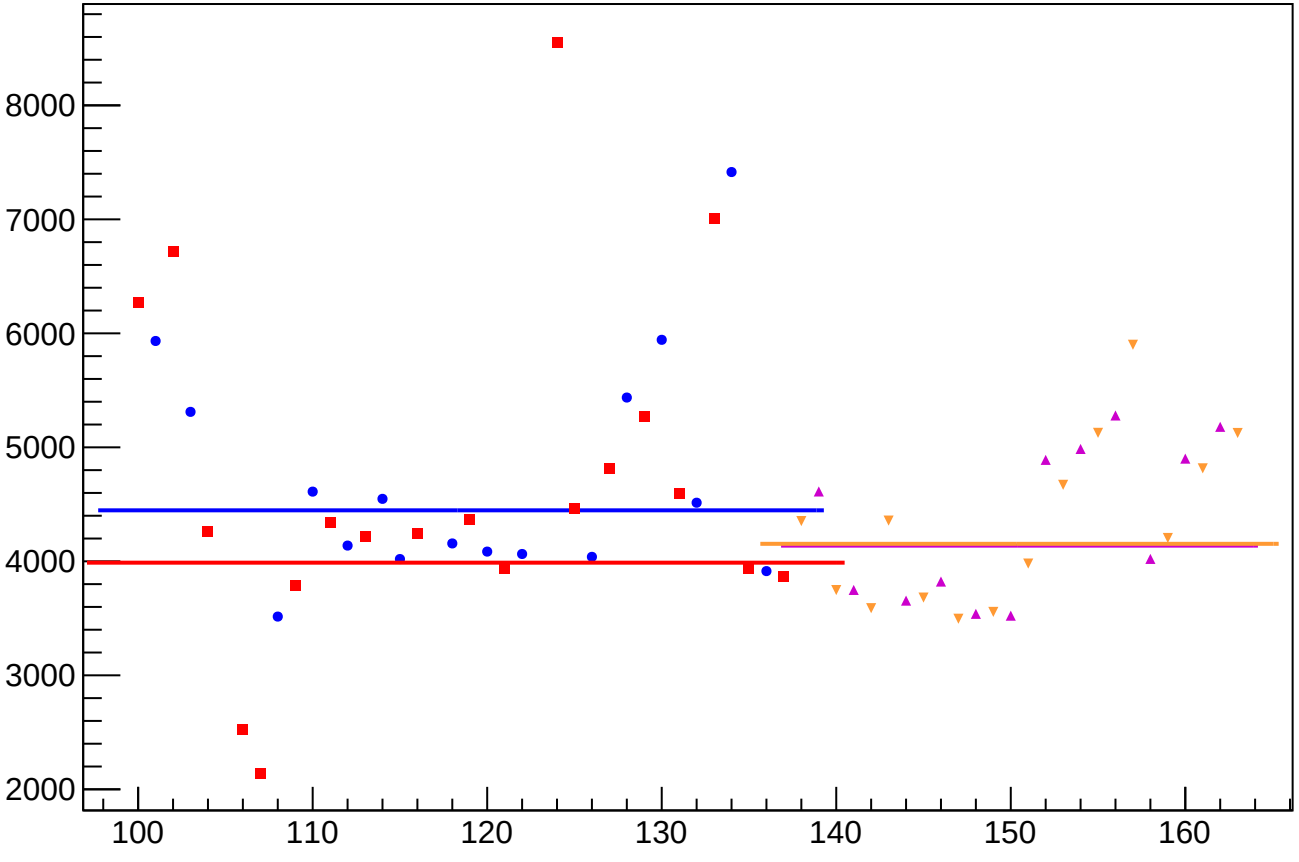
Left In: -12.070+/-1302.581 χ^2/NDF:11.4/11

\+ sign 37.600+/-1009.105 χ^2/NDF: 31.8/29

All: 209.284+/-709.003 χ^2/NDF: 54.1/60

\- sign 376.665+/-996.378 χ^2/NDF: 22.2/30

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4153.594+/-0.891 χ^2/NDF:496763.4/13

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

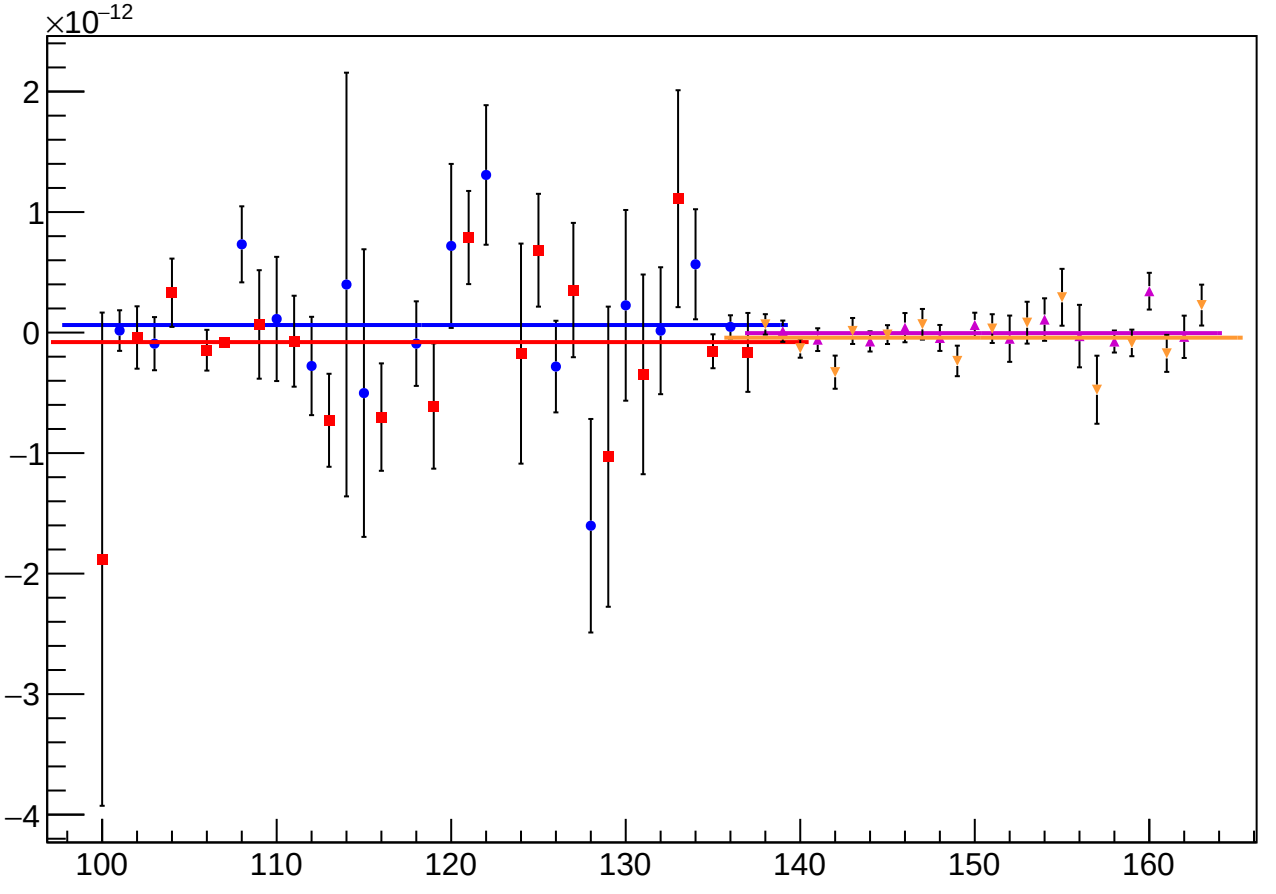
Left In: 4137.723+/-0.921 χ^2/NDF:456986.1/11

+ sign 4259.003+/-0.714 χ^2/NDF: 994023.7/29

All: 4165.443+/-0.500 χ^2/NDF: 2639811.6/60

- sign 4074.984+/-0.702 χ^2/NDF: 1611972.8/30

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:19.4/13

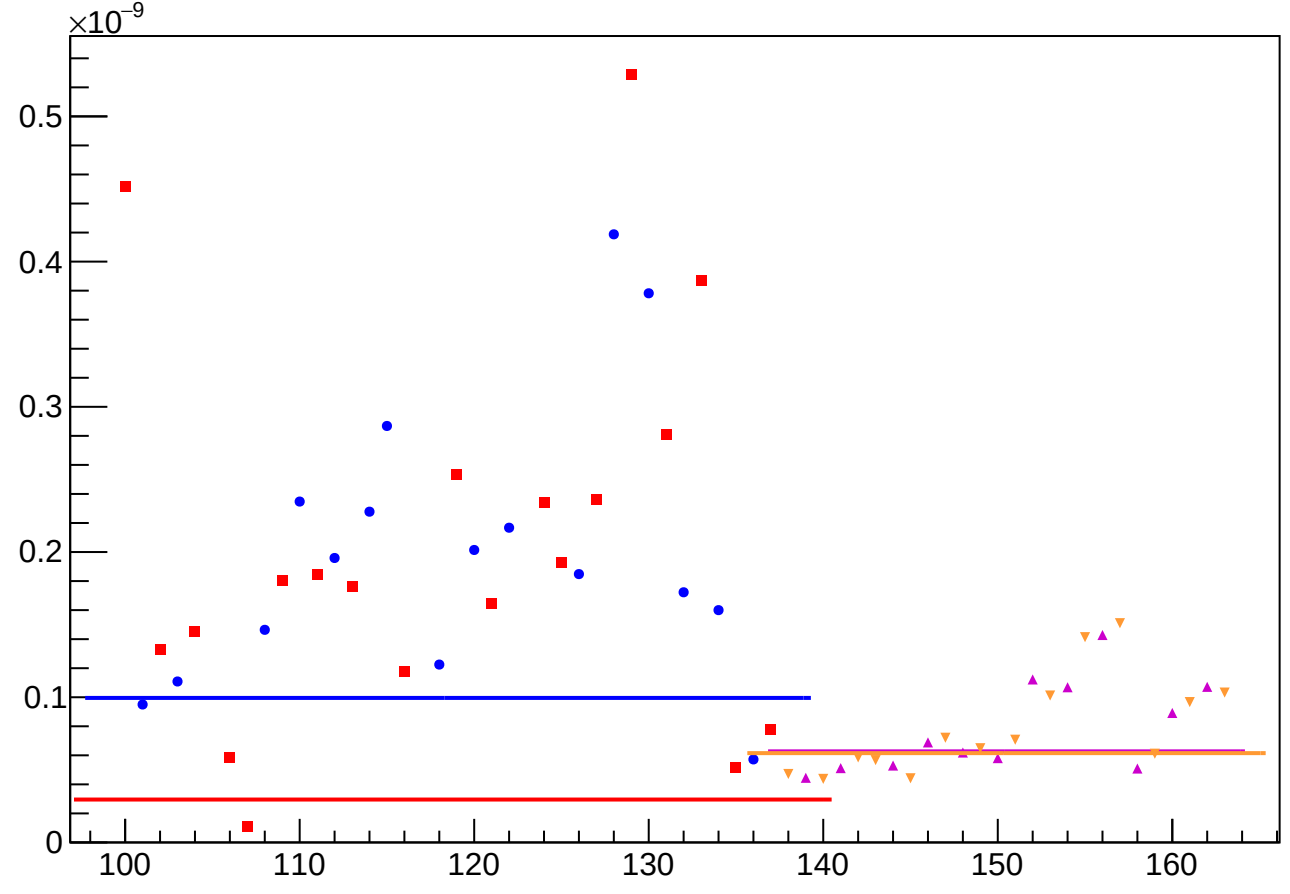
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/29

All: -0.000+/-0.000 χ^2/NDF: 69.7/60

- sign -0.000+/-0.000 χ^2/NDF: 30.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050272.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

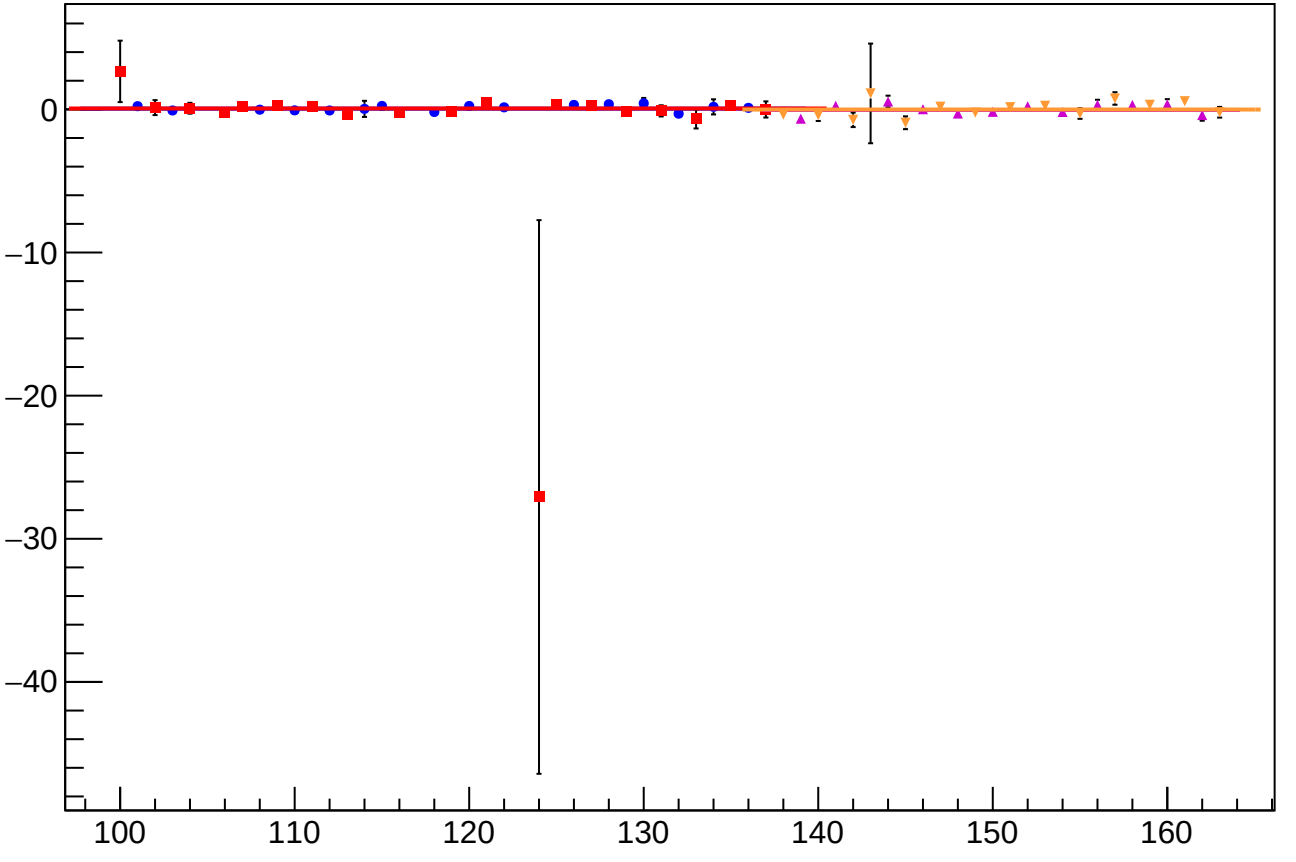
Left In: 0.000+/-0.000 χ^2/NDF:822327.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3128131.0/29

All: 0.000+/-0.000 χ^2/NDF: 10018912.0/60

- sign 0.000+/-0.000 χ^2/NDF: 6179960.1/30

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

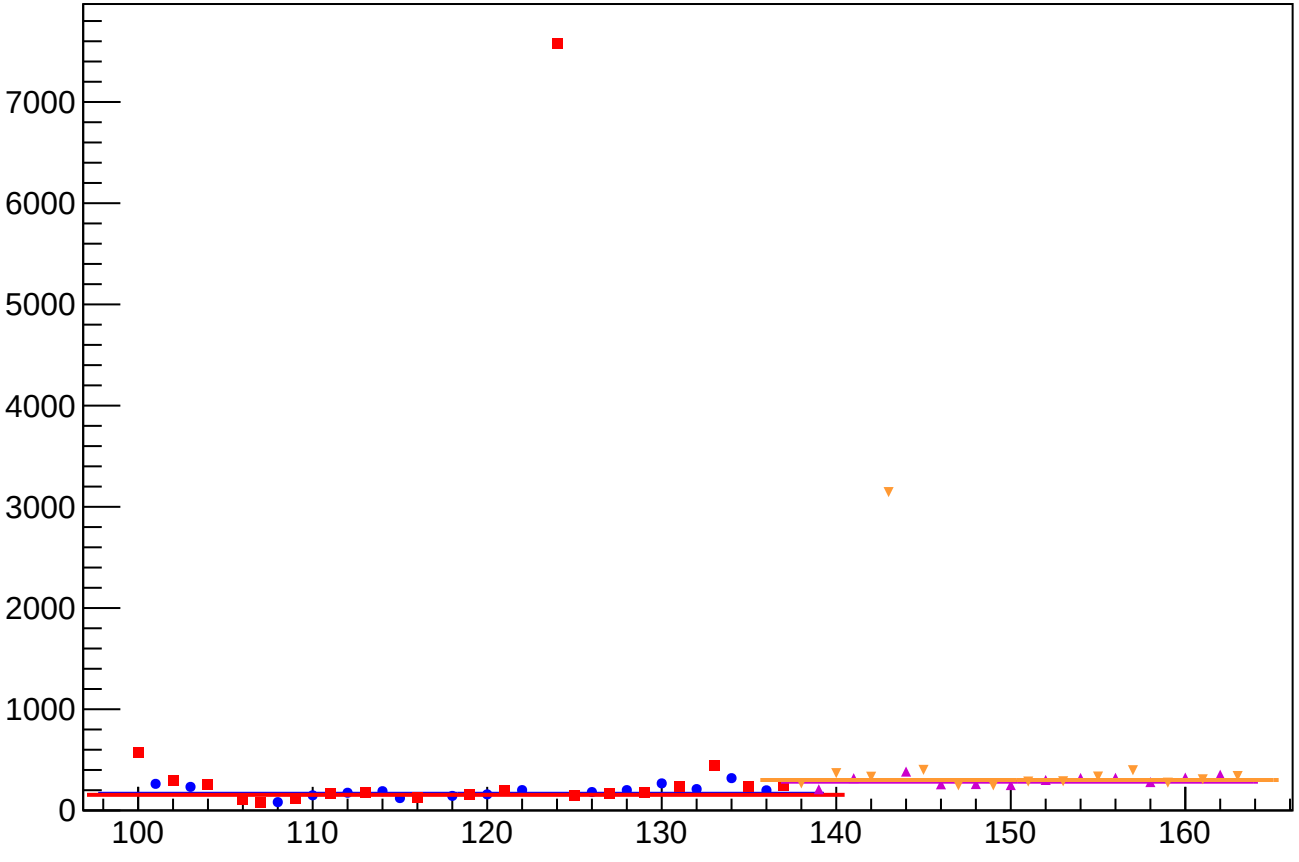
Left In: -0.041+/-0.090 χ^2/NDF:15.5/11

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.028+/-0.038 χ^2/NDF: 61.3/60

- sign 0.027+/-0.052 χ^2/NDF: 34.7/30

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.889+/-0.067 χ^2/NDF:1832729.1/13

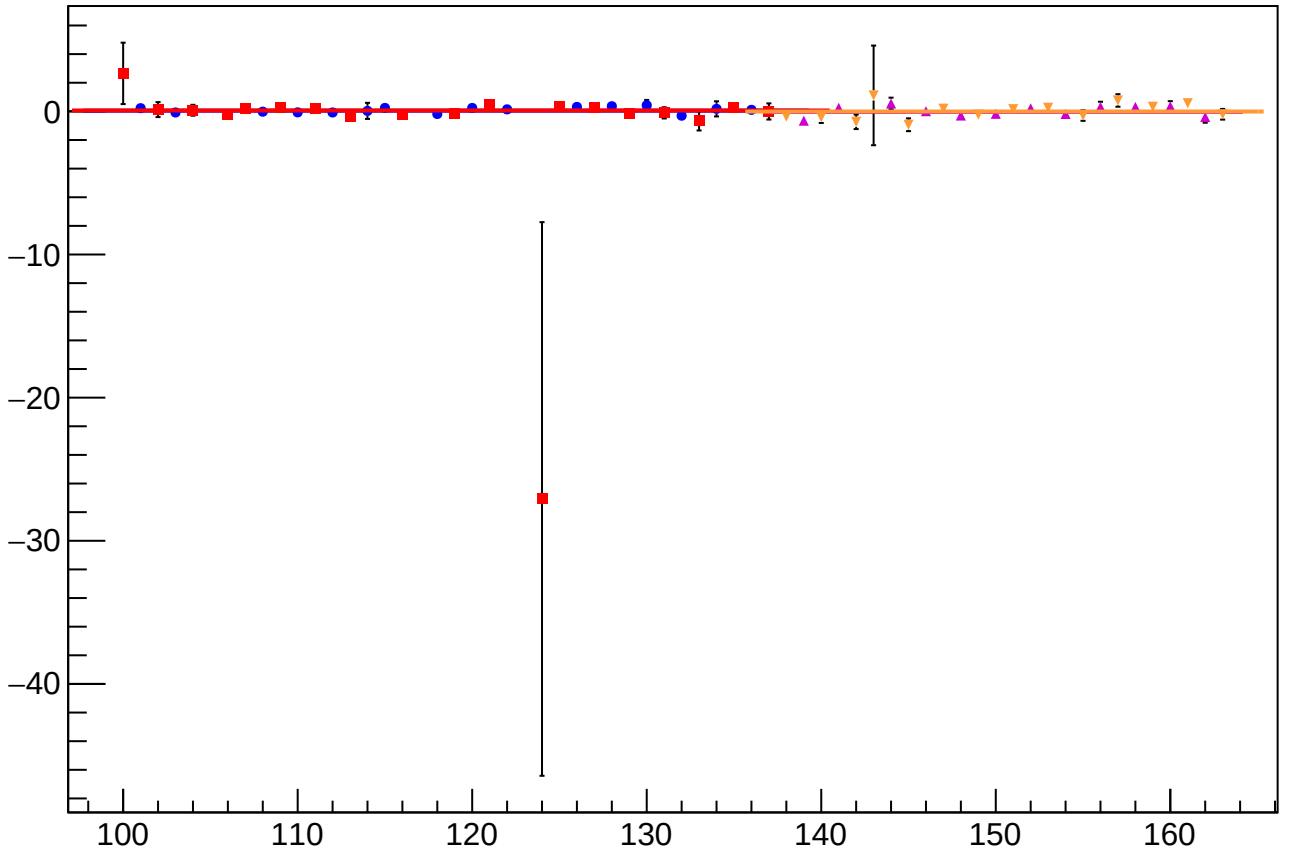
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 284.217+/-0.064 χ^2/NDF:537760.7/11

+ sign 209.794+/-0.038 χ^2/NDF: 6079388.1/29

All: 203.747+/-0.027 χ^2/NDF: 11323624.8/60

- sign 198.114+/-0.037 χ^2/NDF: 5196405.7/30



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

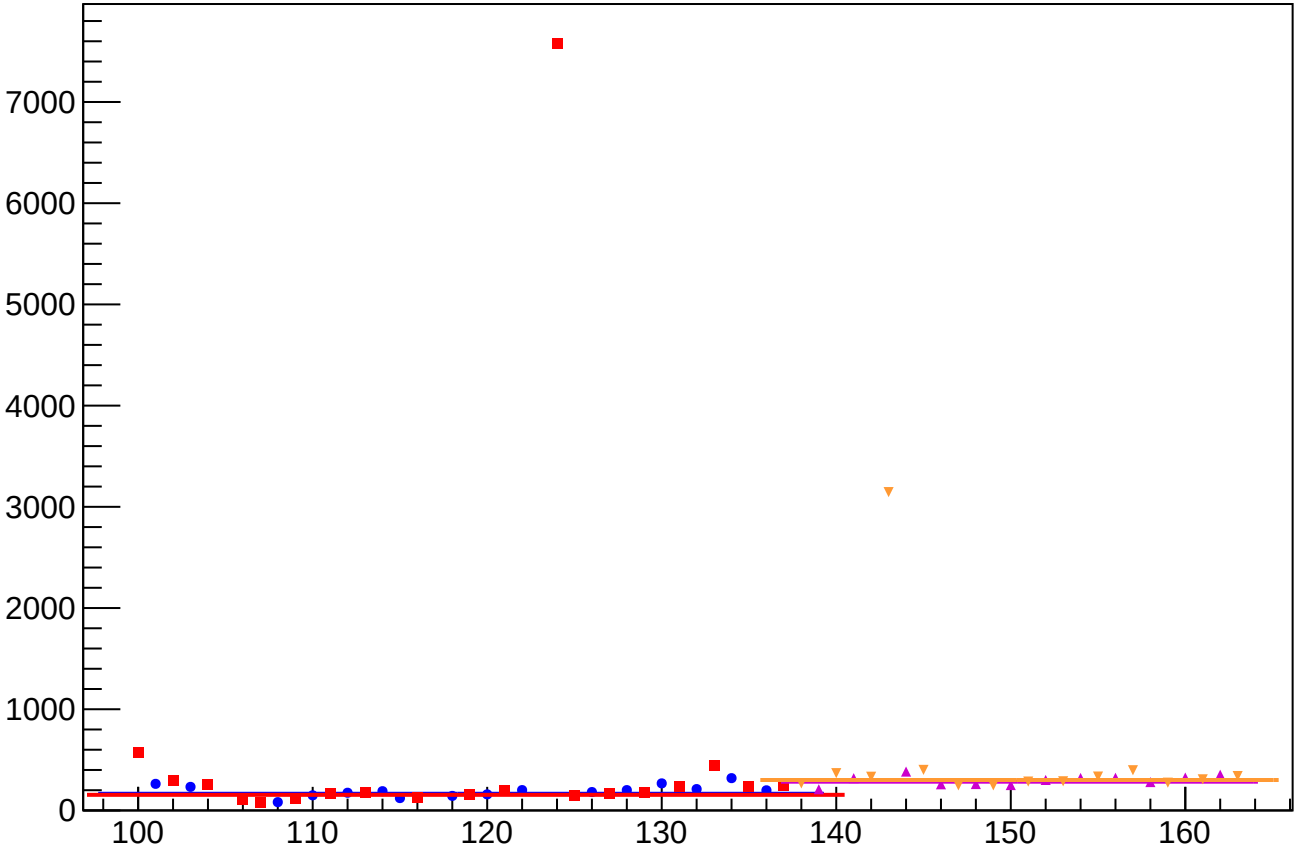
Left In: -0.041+/-0.090 χ^2/NDF:15.5/11

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.028+/-0.038 χ^2/NDF: 61.3/60

- sign 0.027+/-0.052 χ^2/NDF: 34.7/30

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: 300.889+/-0.067 χ^2/NDF:1832729.1/13

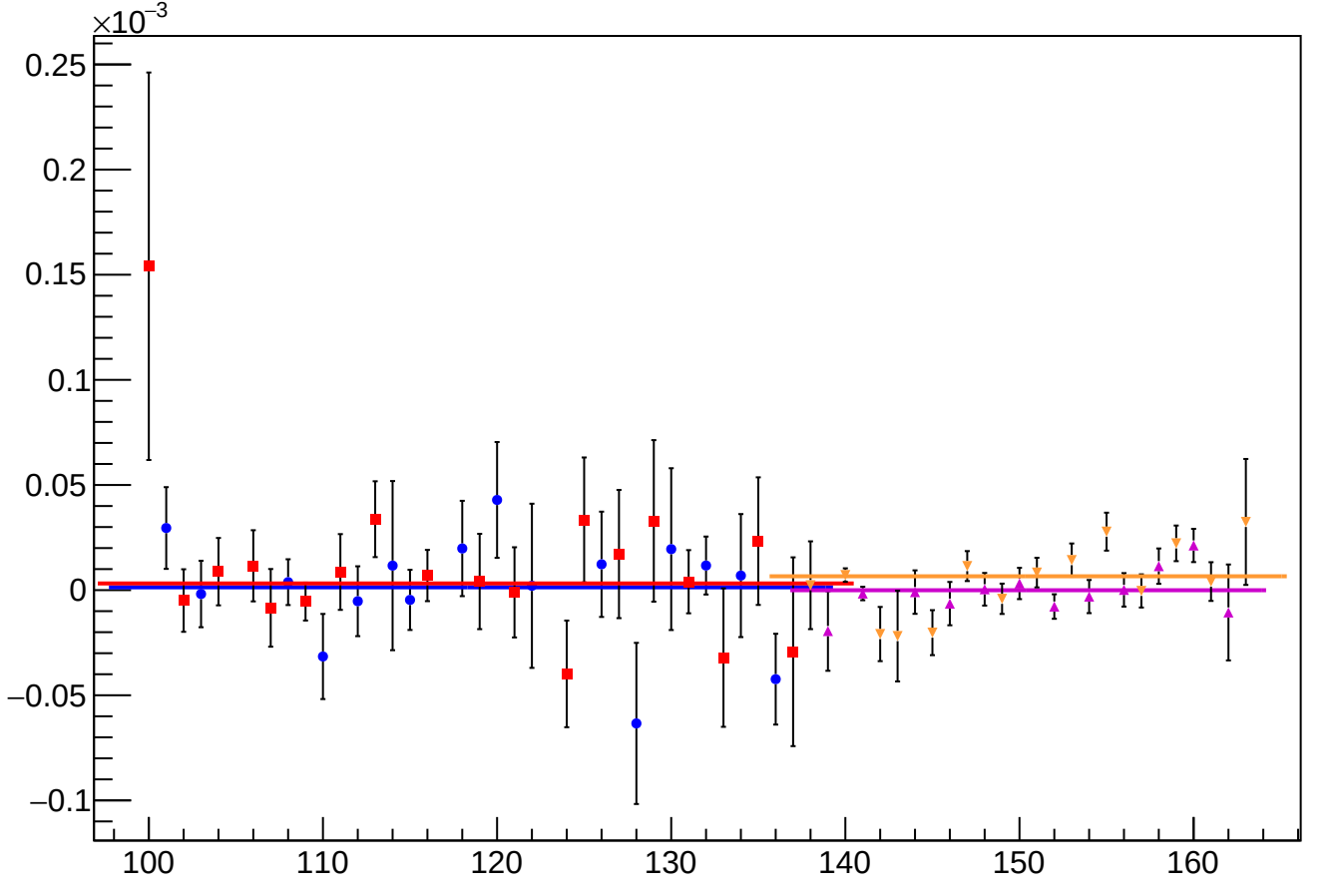
Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 284.217+/-0.064 χ^2/NDF:537760.7/11

+ sign 209.794+/-0.038 χ^2/NDF: 6079388.1/29

All: 203.747+/-0.027 χ^2/NDF: 11323624.8/60

- sign 198.114+/-0.037 χ^2/NDF: 5196405.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/13

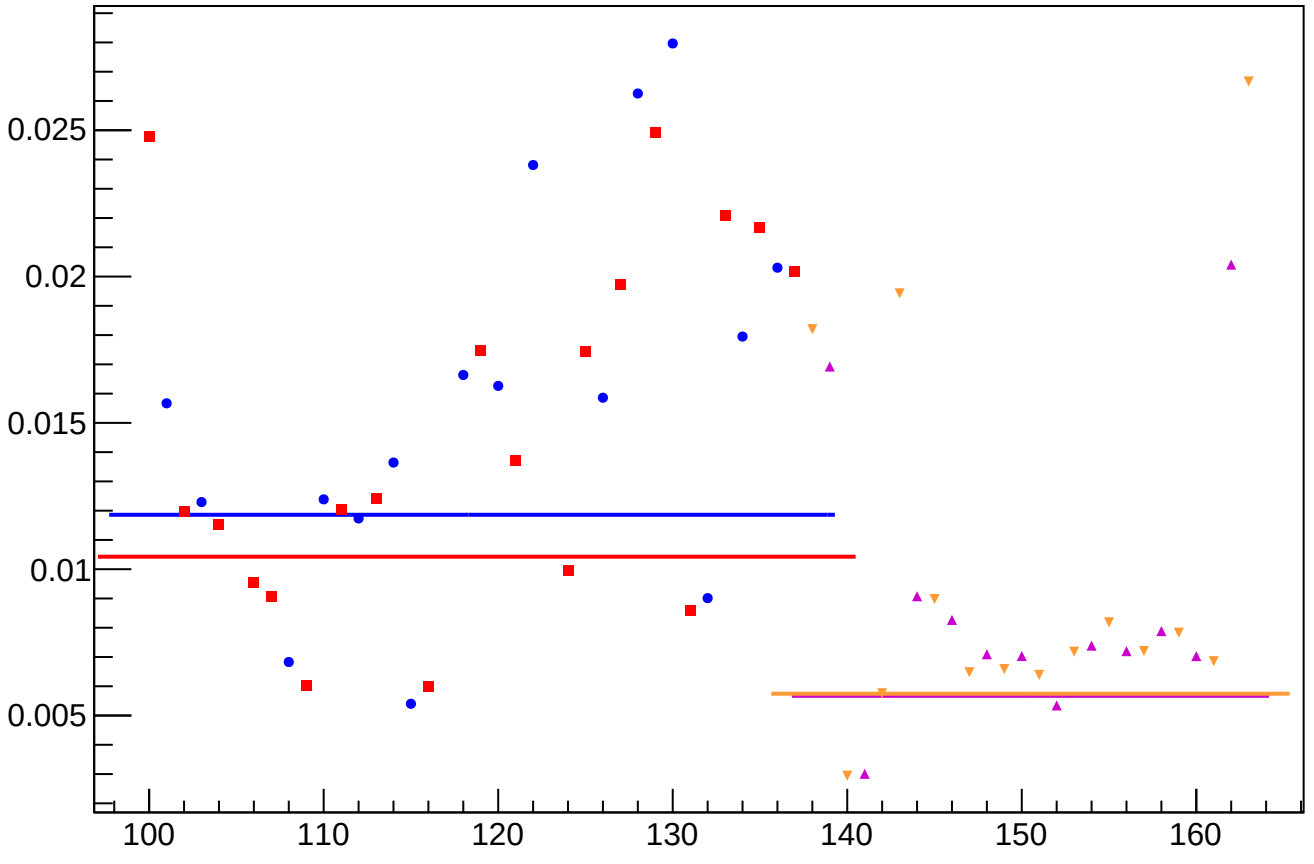
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 76.3/60

- sign 0.000+/-0.000 χ^2/NDF: 28.2/30



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:4693909.5/13

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

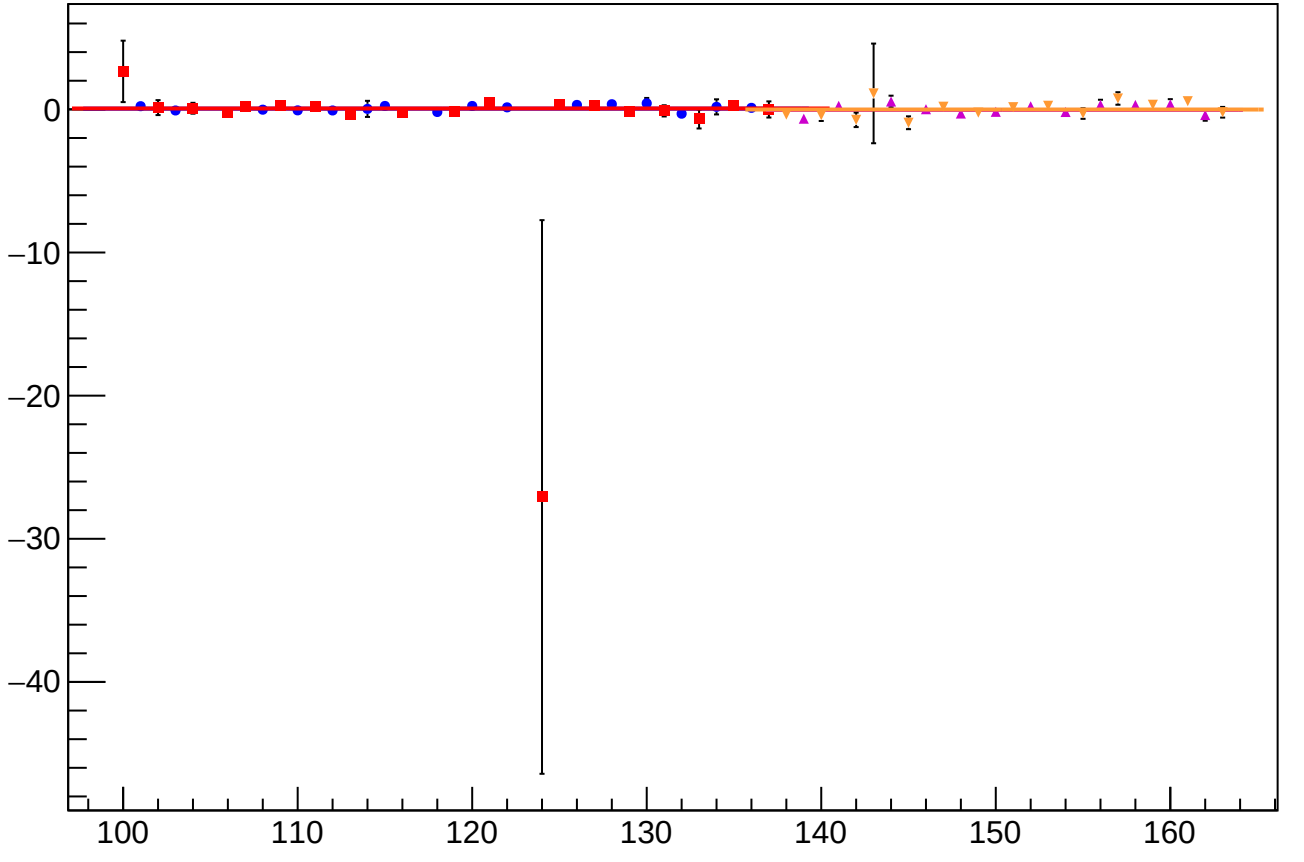
Left In: 0.006+/-0.000 χ^2/NDF:3775904.0/11

+ sign 0.007+/-0.000 χ^2/NDF: 9789279.5/29

All: 0.007+/-0.000 χ^2/NDF: 17976313.8/60

- sign 0.007+/-0.000 χ^2/NDF: 8184619.2/30

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

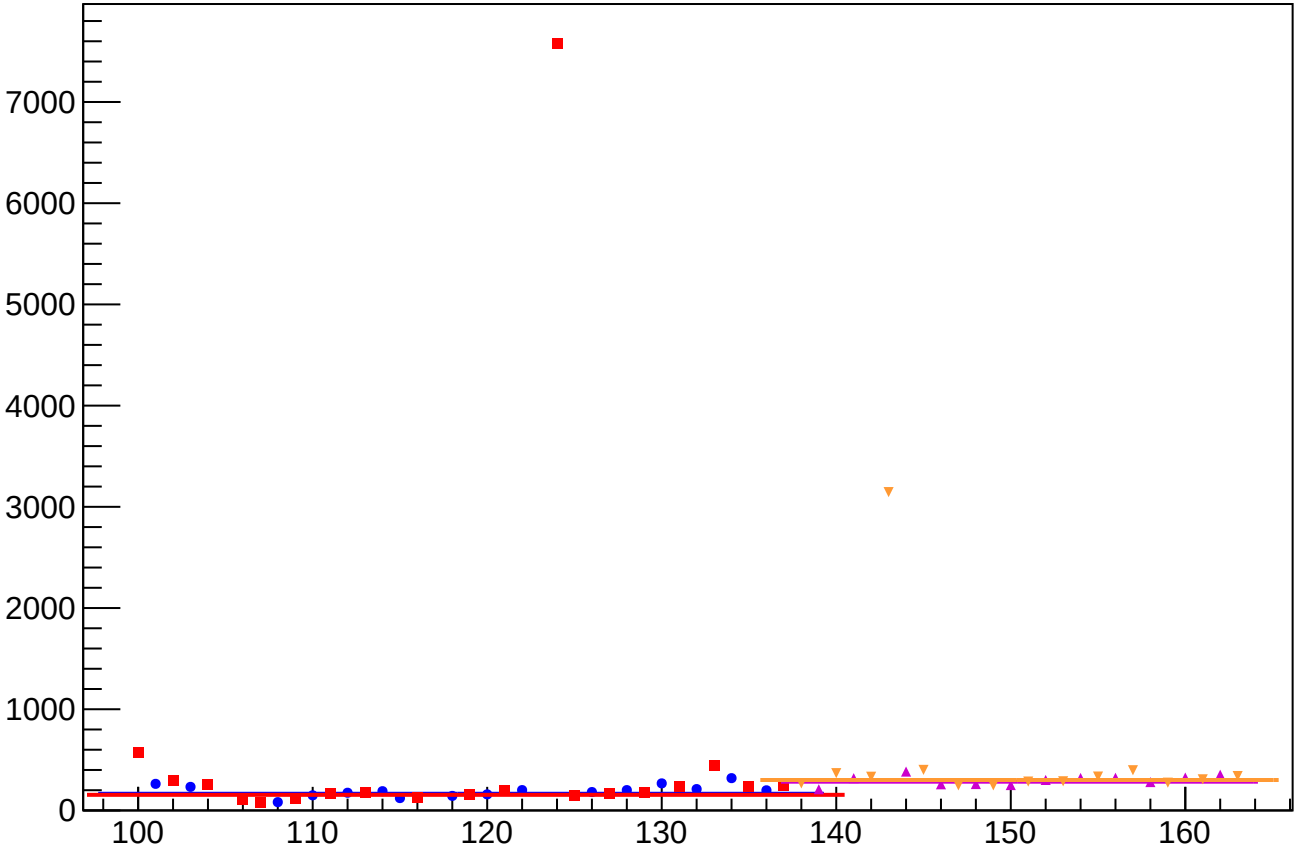
Left In: -0.041+/-0.090 χ^2/NDF:15.5/11

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.028+/-0.038 χ^2/NDF: 61.4/60

- sign 0.027+/-0.052 χ^2/NDF: 34.7/30

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: 300.893+/-0.067 χ^2/NDF:1832713.1/13

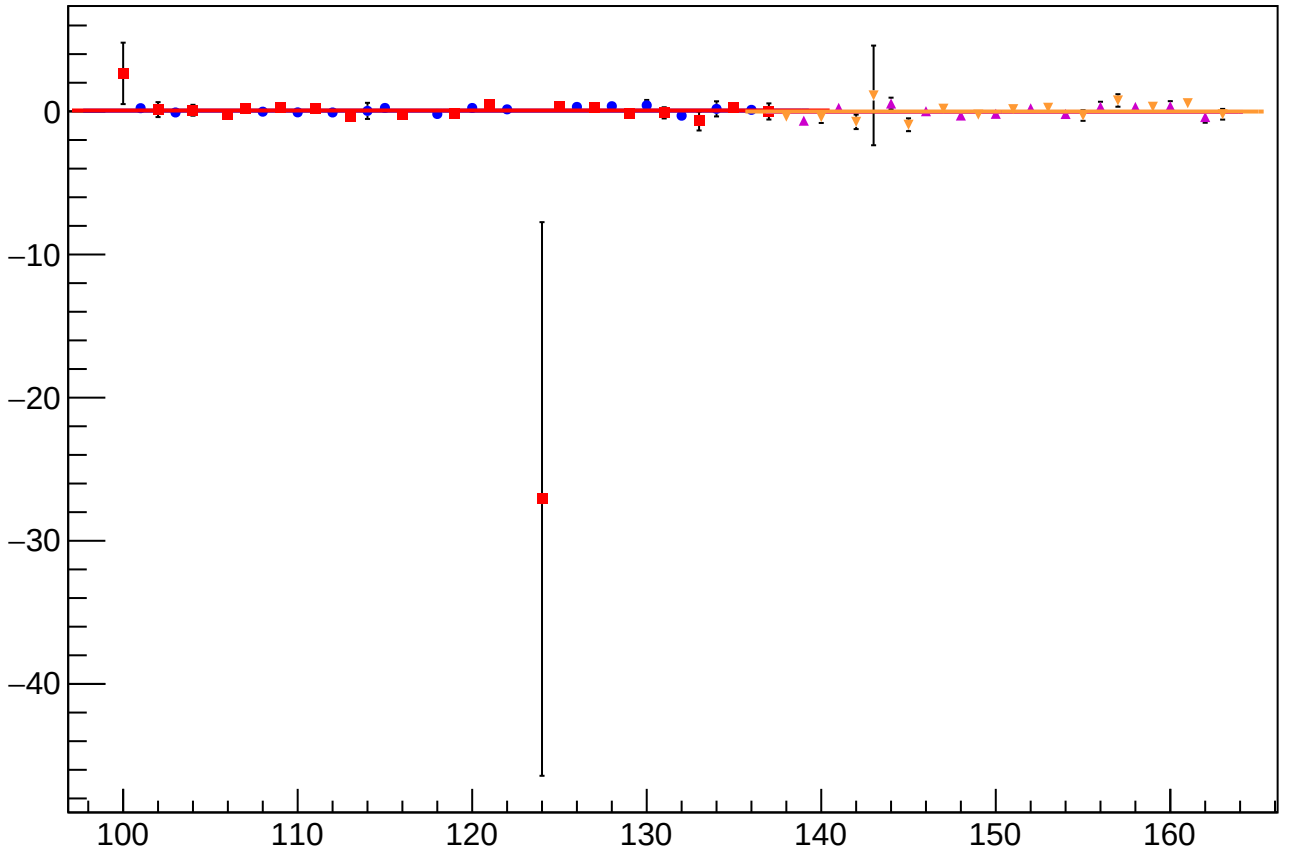
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 284.221+/-0.064 χ^2/NDF:537743.0/11

+ sign 209.794+/-0.038 χ^2/NDF: 6079490.7/29

All: 203.747+/-0.027 χ^2/NDF: 11323858.8/60

- sign 198.114+/-0.037 χ^2/NDF: 5196537.2/30



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.012+/-0.095 χ^2/NDF:18.7/13

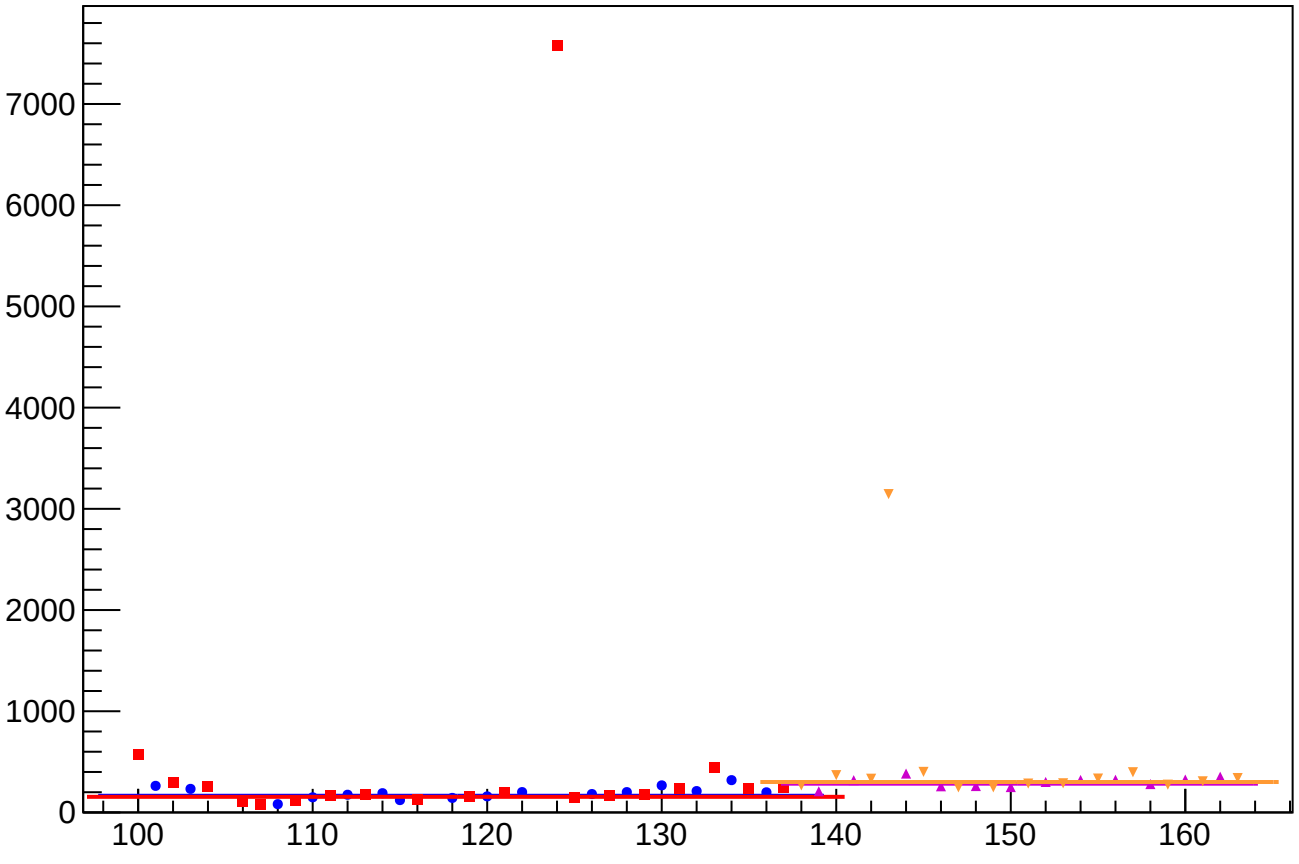
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.041+/-0.090 χ^2/NDF:15.5/11

+ sign 0.028+/-0.054 χ^2/NDF: 26.6/29

All: 0.028+/-0.038 χ^2/NDF: 61.4/60

- sign 0.027+/-0.052 χ^2/NDF: 34.7/30



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.893+/-0.067 χ^2/NDF:1832713.1/13

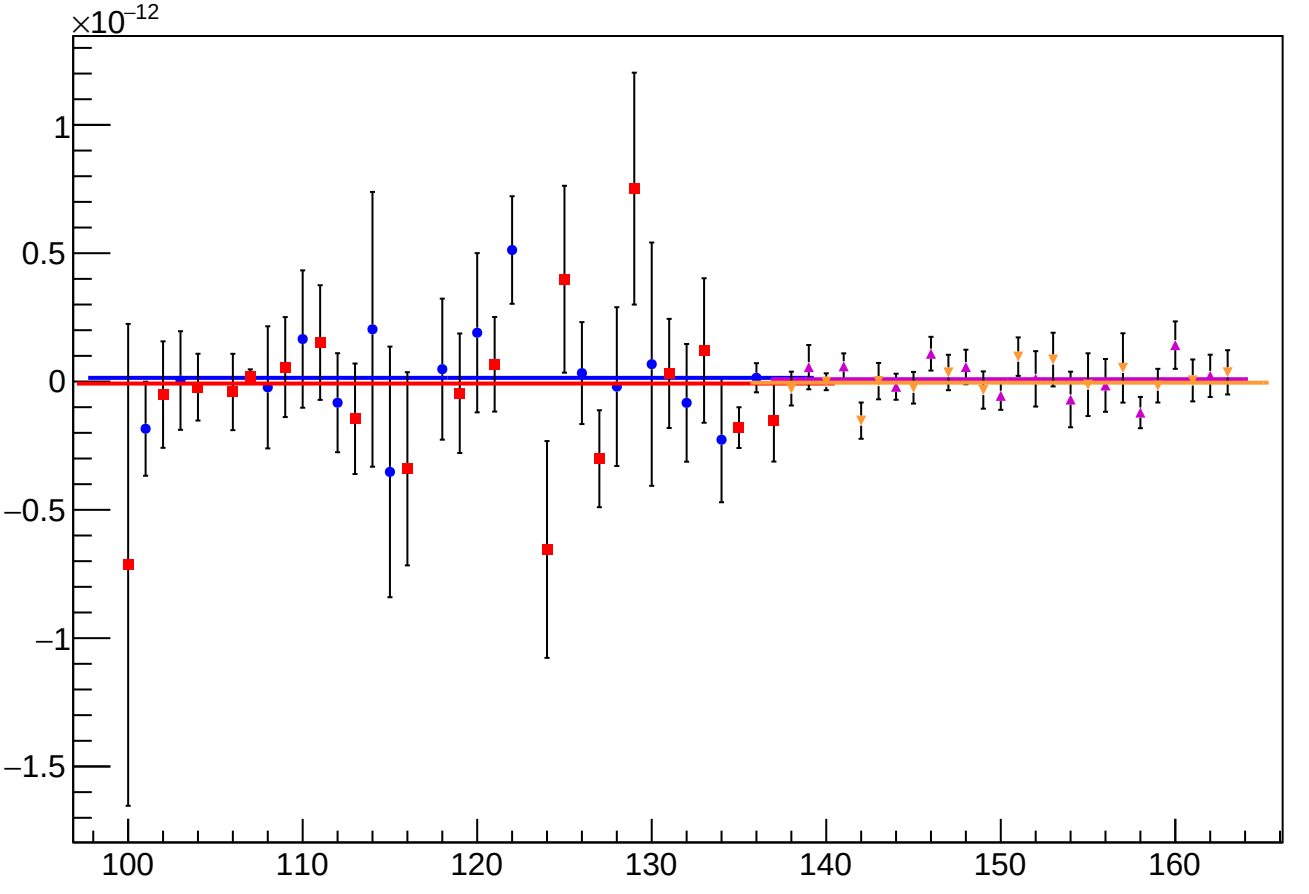
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 284.221+/-0.064 χ^2/NDF:537743.0/11

+ sign 209.794+/-0.038 χ^2/NDF: 6079490.7/29

All: 203.747+/-0.027 χ^2/NDF: 11323858.8/60

- sign 198.114+/-0.037 χ^2/NDF: 5196537.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/13

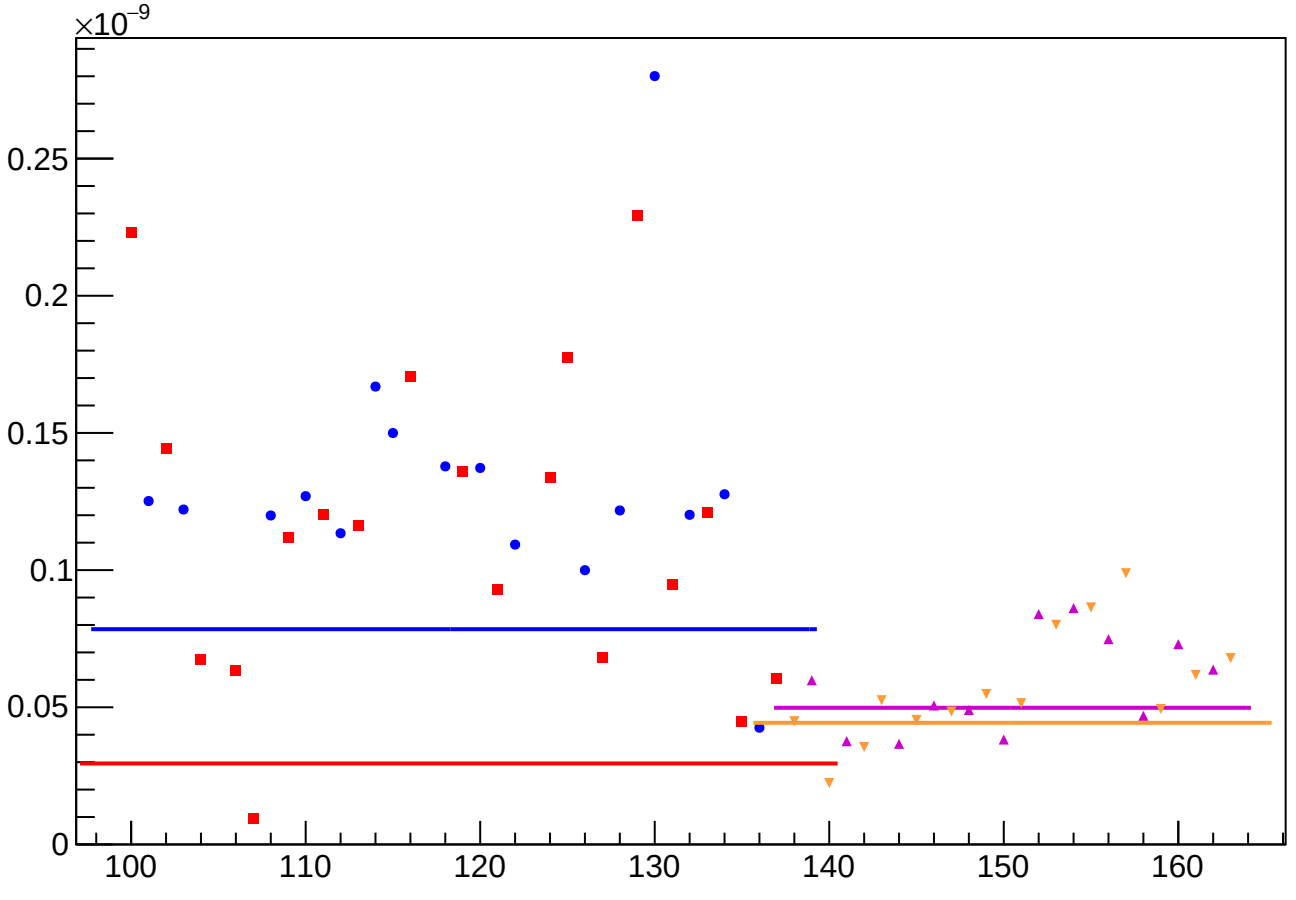
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 17.9/29

All: 0.000+/-0.000 χ^2/NDF: 49.6/60

- sign 0.000+/-0.000 χ^2/NDF: 31.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2071514.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

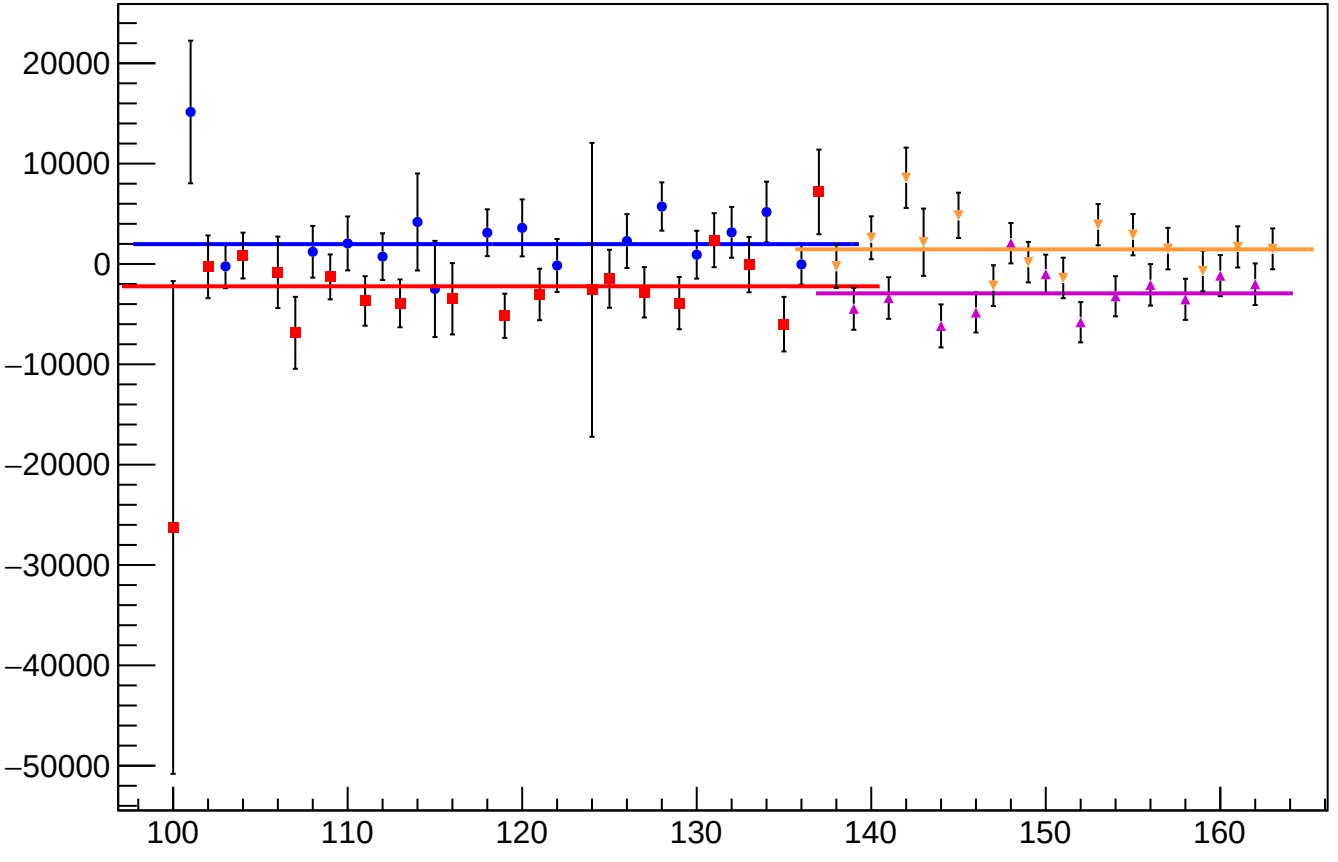
Left In: 0.000+/-0.000 χ^2/NDF:1097445.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 5273650.6/29

All: 0.000+/-0.000 χ^2/NDF: 13034233.3/60

- sign 0.000+/-0.000 χ^2/NDF: 7474602.7/30

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.411+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

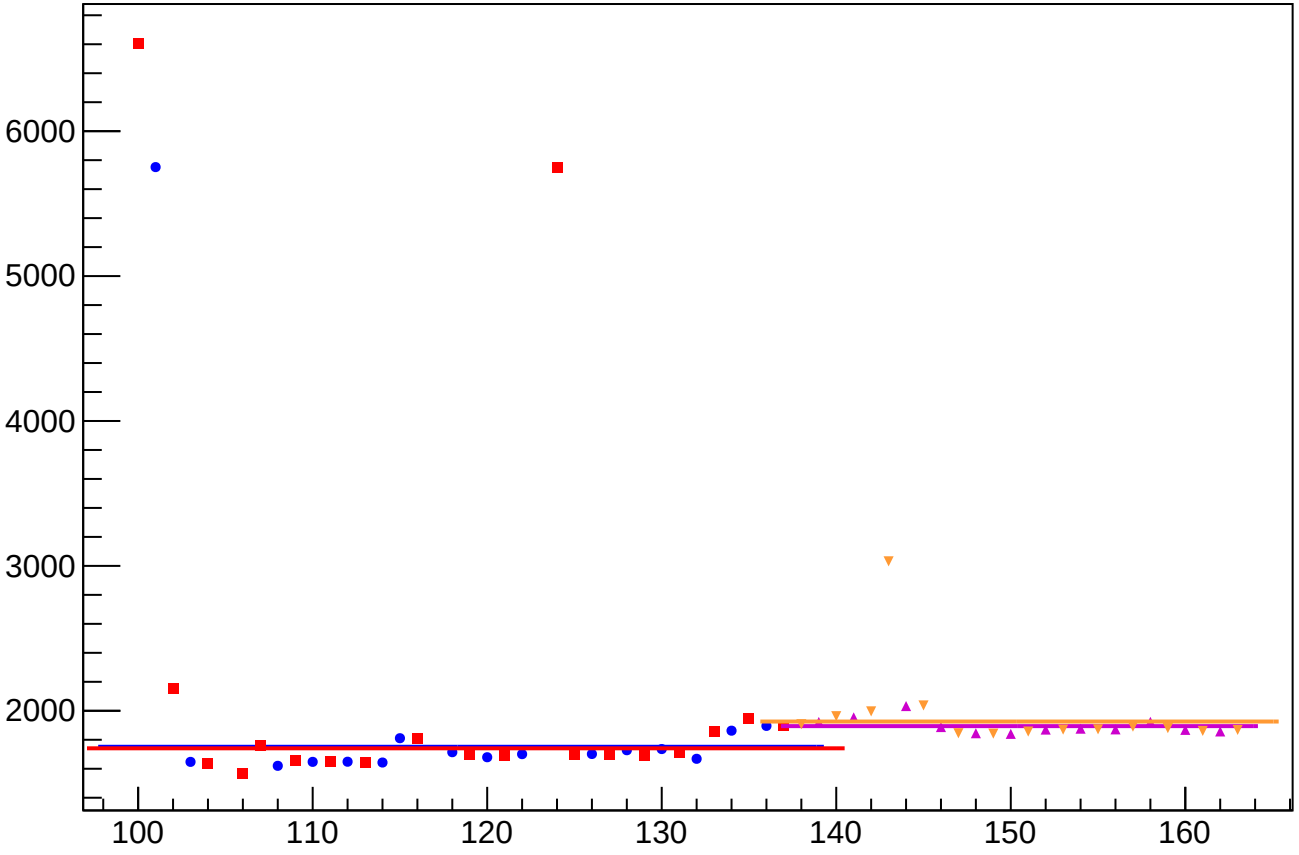
Left In: -2929.487+/-588.629 χ^2/NDF:14.2/11

+ sign 1680.336+/-437.092 χ^2/NDF: 29.9/29

All: -462.375+/-309.461 χ^2/NDF: 111.9/60

- sign -2615.939+/-438.197 χ^2/NDF: 33.8/30

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

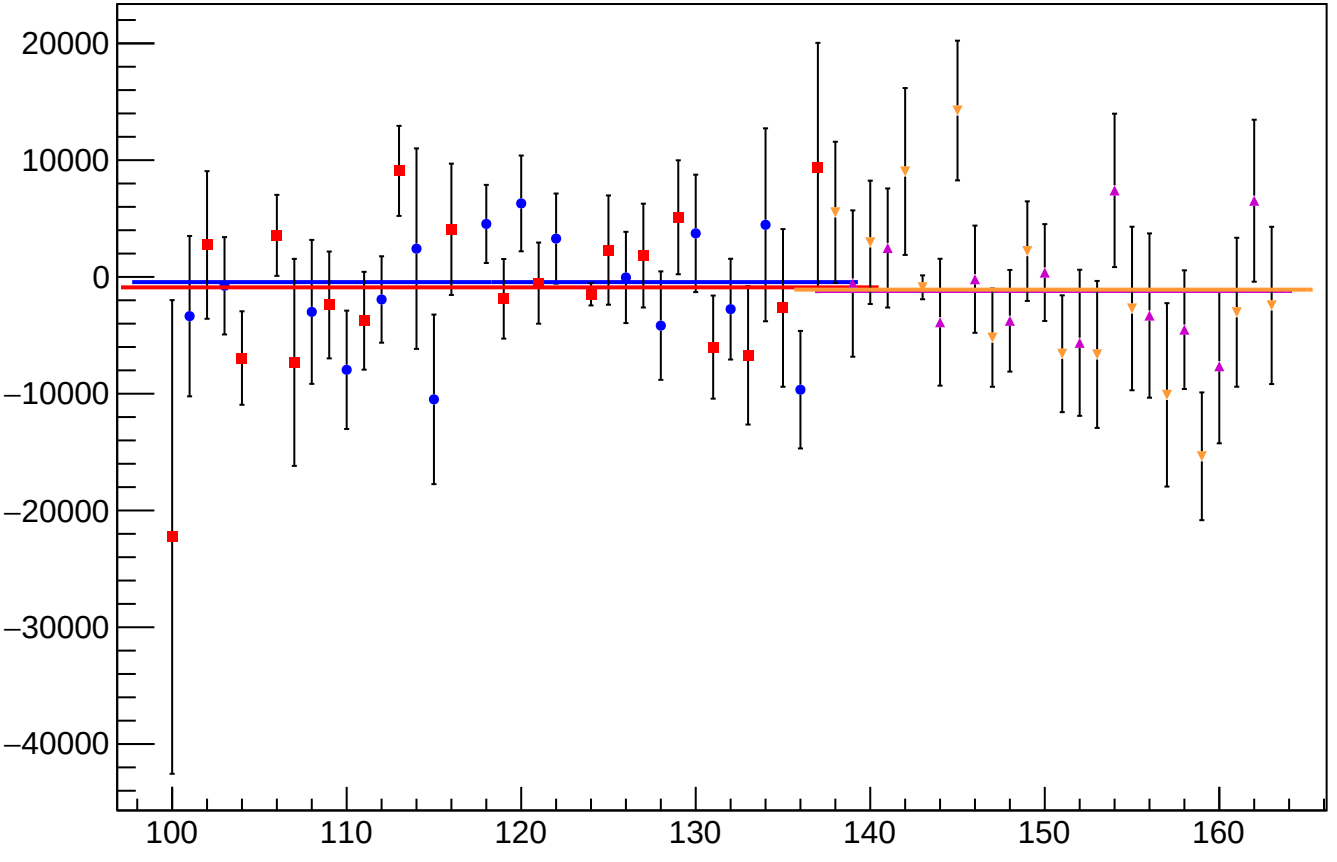
Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

+ sign 1851.203+/-0.309 χ^2/NDF: 989268.7/29

All: 1838.259+/-0.218 χ^2/NDF: 1373393.4/60

- sign 1825.335+/-0.309 χ^2/NDF: 380619.4/30

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1088.216+/-857.246 χ^2/NDF:22.2/13

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

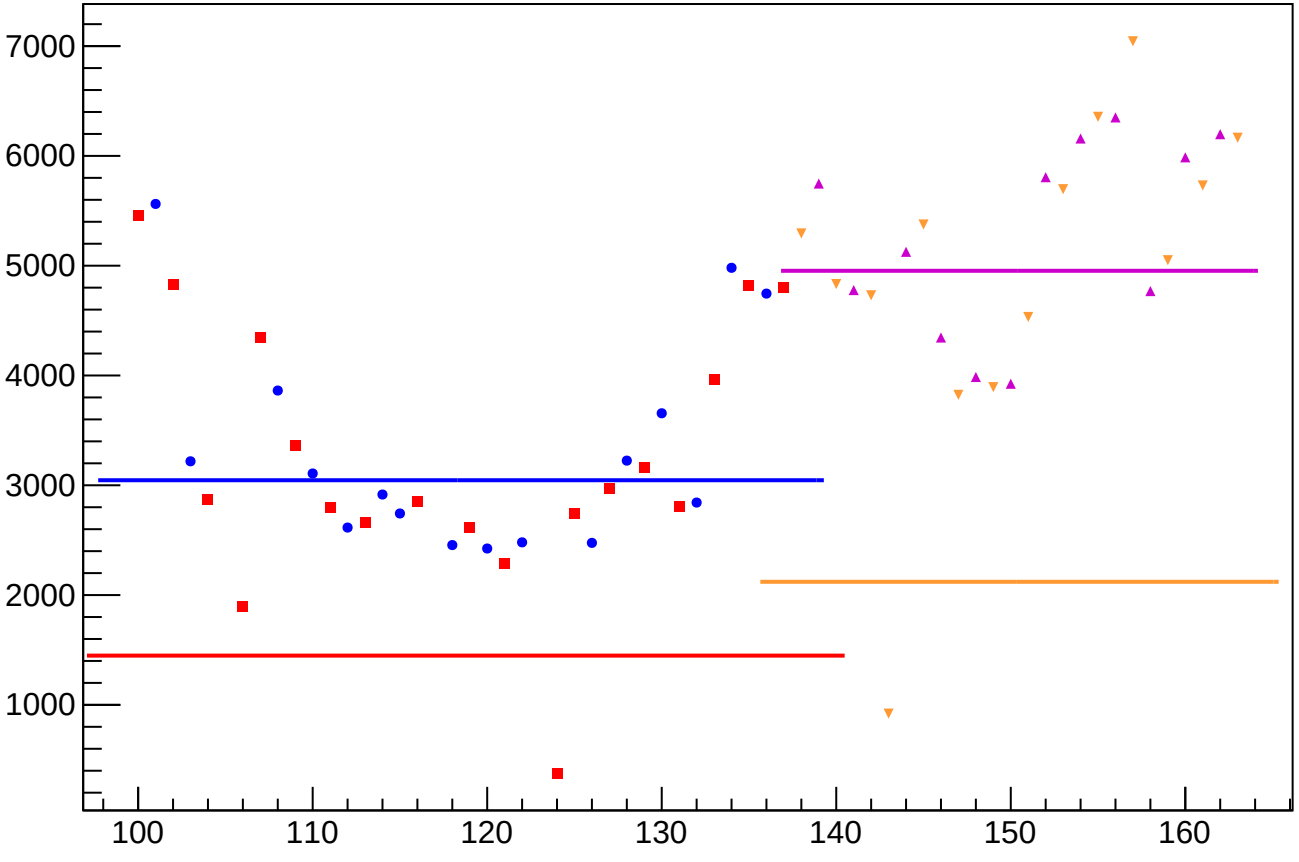
Left In: -1202.899+/-1566.384 χ^2/NDF:6.2/11

+ sign -864.389+/-692.415 χ^2/NDF: 38.4/29

All: -907.841+/-477.166 χ^2/NDF: 64.7/60

- sign -947.140+/-658.492 χ^2/NDF: 26.4/30

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2120.906+/-0.606 χ^2/NDF:9932128.0/13

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

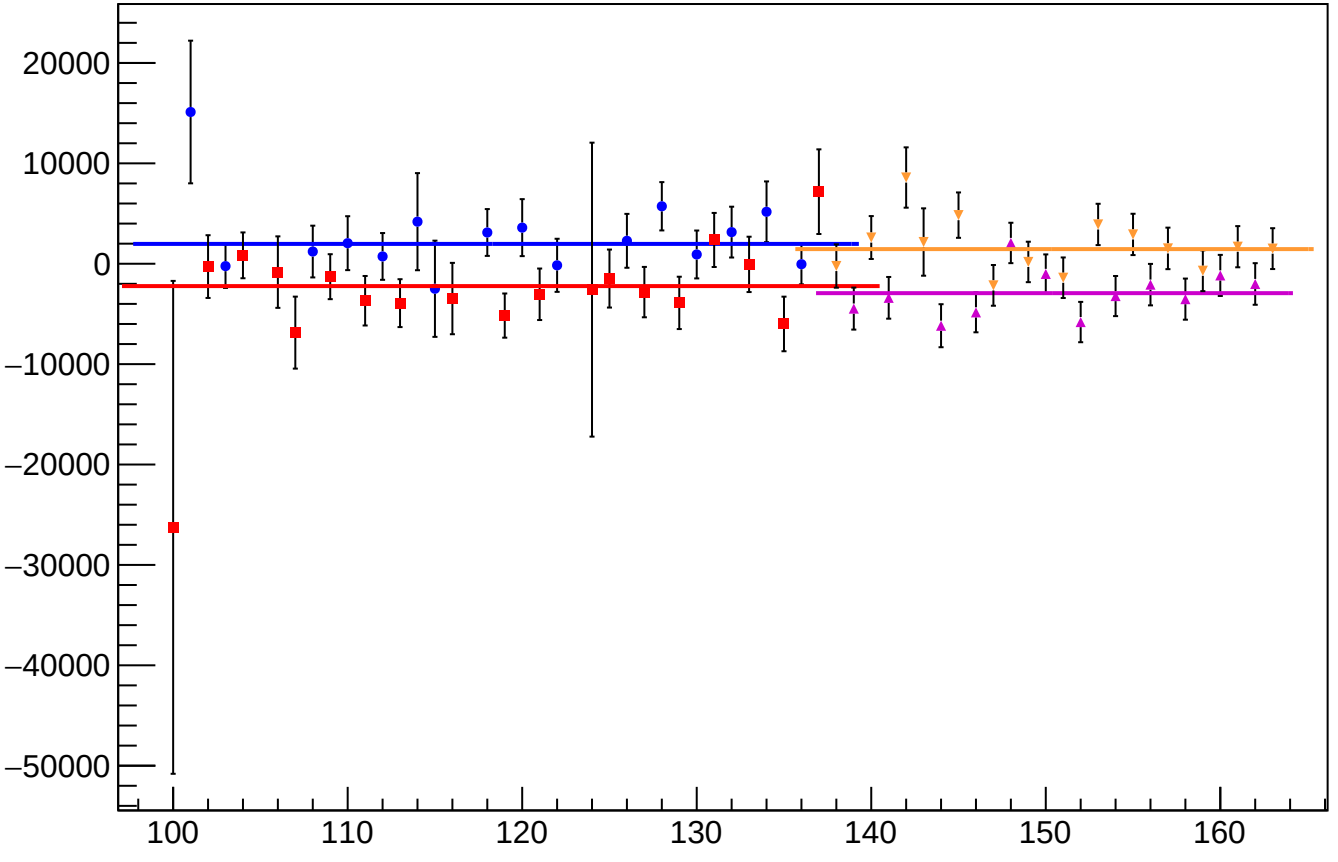
Left In: 4953.596+/-1.108 χ^2/NDF:592702.3/11

+ sign 2442.429+/-0.490 χ^2/NDF: 11648940.8/29

All: 2245.800+/-0.337 χ^2/NDF: 27580369.9/6

- sign 2067.965+/-0.466 χ^2/NDF: 15624274.6/30

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

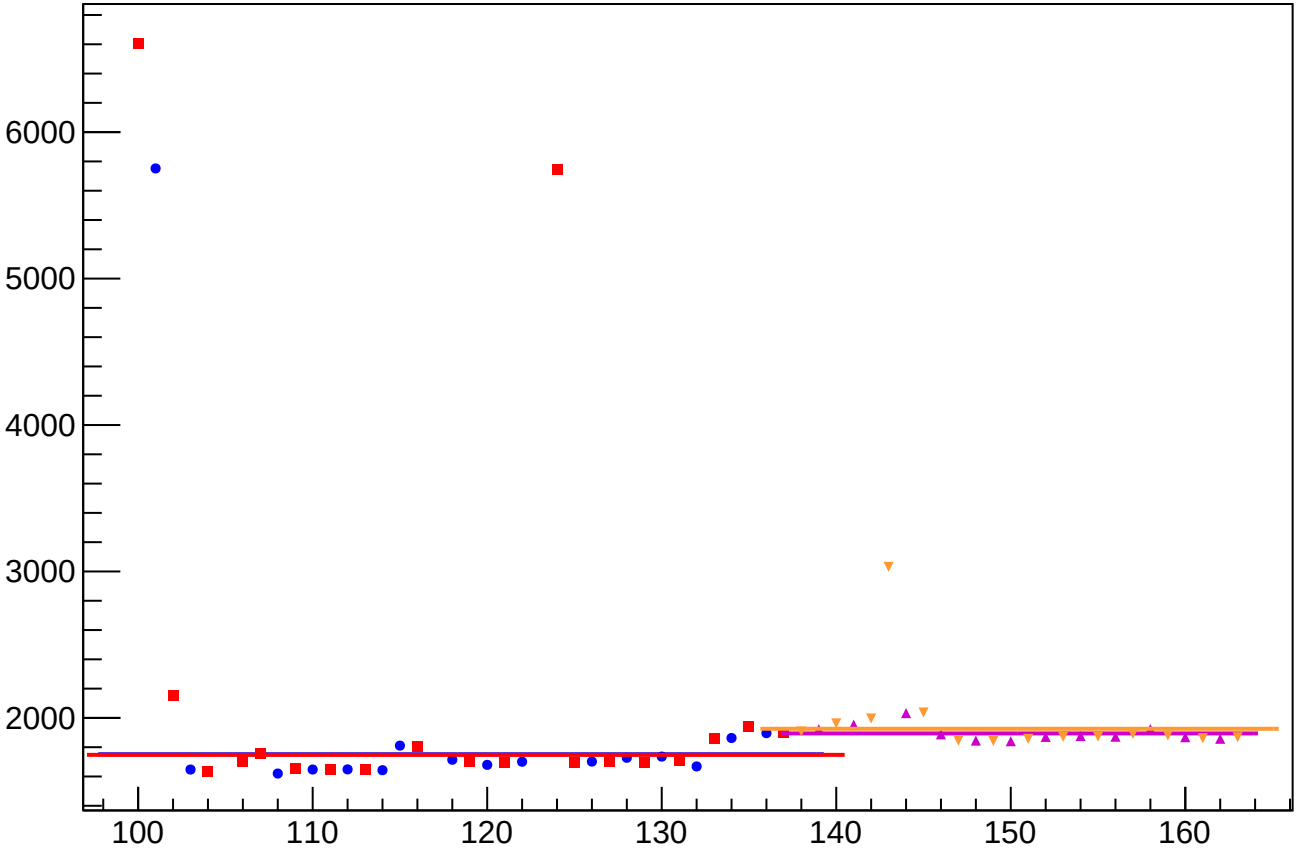
Left In: -2929.586+/-588.629 χ^2/NDF:14.2/11

+ sign 1680.215+/-437.092 χ^2/NDF: 29.9/29

All: -462.485+/-309.461 χ^2/NDF: 111.9/60

- sign -2616.037+/-438.197 χ^2/NDF: 33.8/30

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

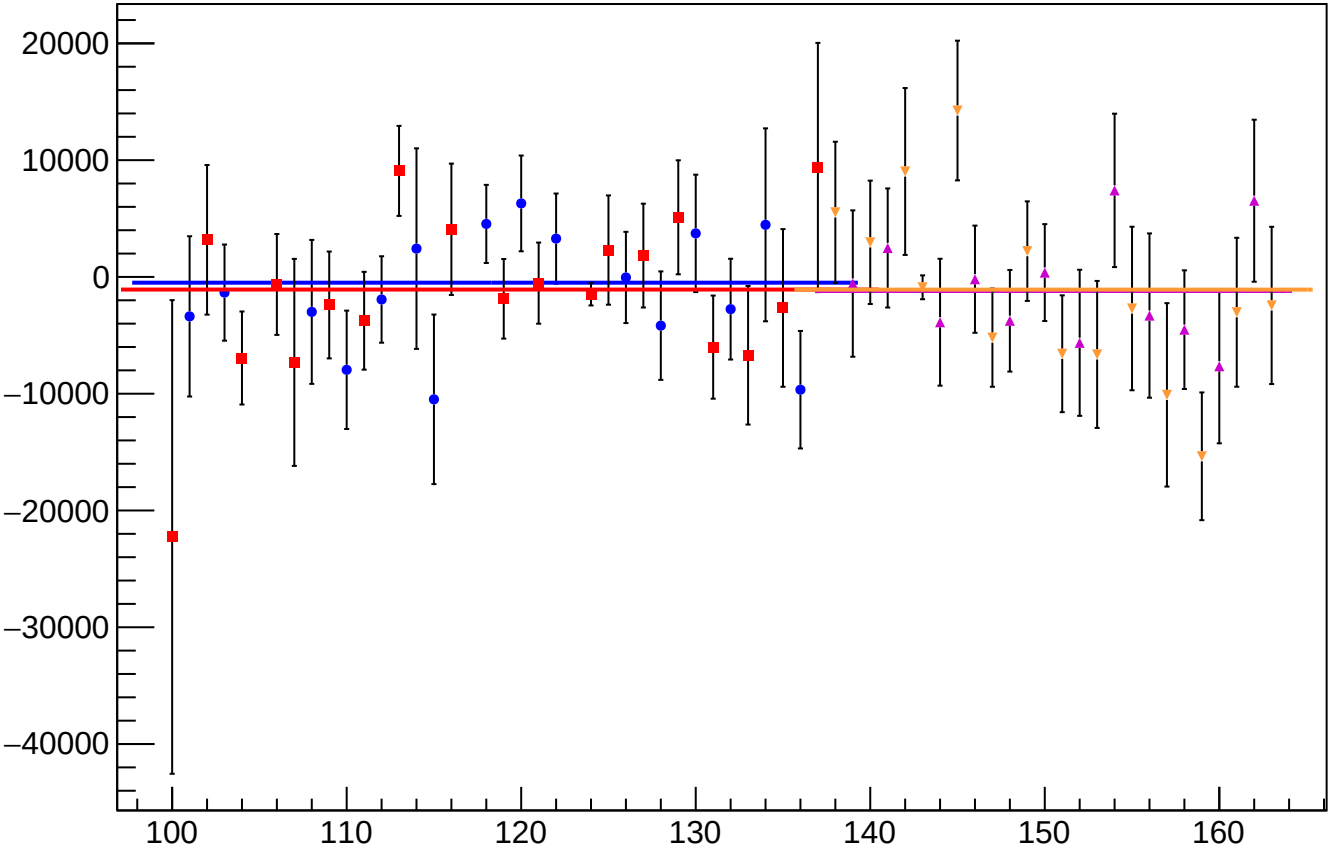
Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

+ sign 1851.203+/-0.309 χ^2/NDF: 989269.2/29

All: 1839.924+/-0.219 χ^2/NDF: 1360363.4/60

- sign 1828.625+/-0.309 χ^2/NDF: 368428.1/30

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

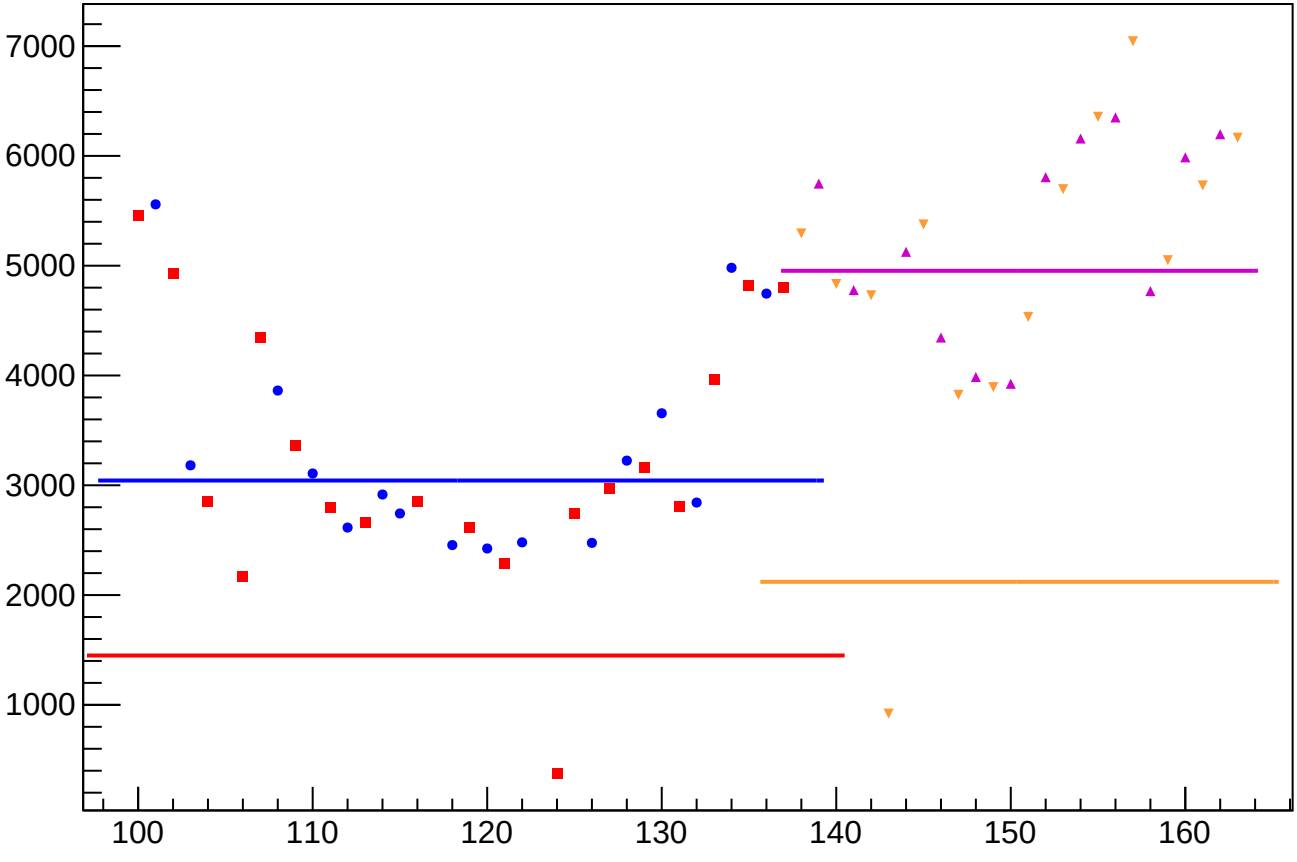
Left In: -1202.971+/-1566.383 χ^2/NDF:6.2/11

+ sign -880.895+/-692.154 χ^2/NDF: 38.4/29

All: -996.646+/-478.695 χ^2/NDF: 63.2/60

- sign -1102.774+/-662.757 χ^2/NDF: 24.7/30

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

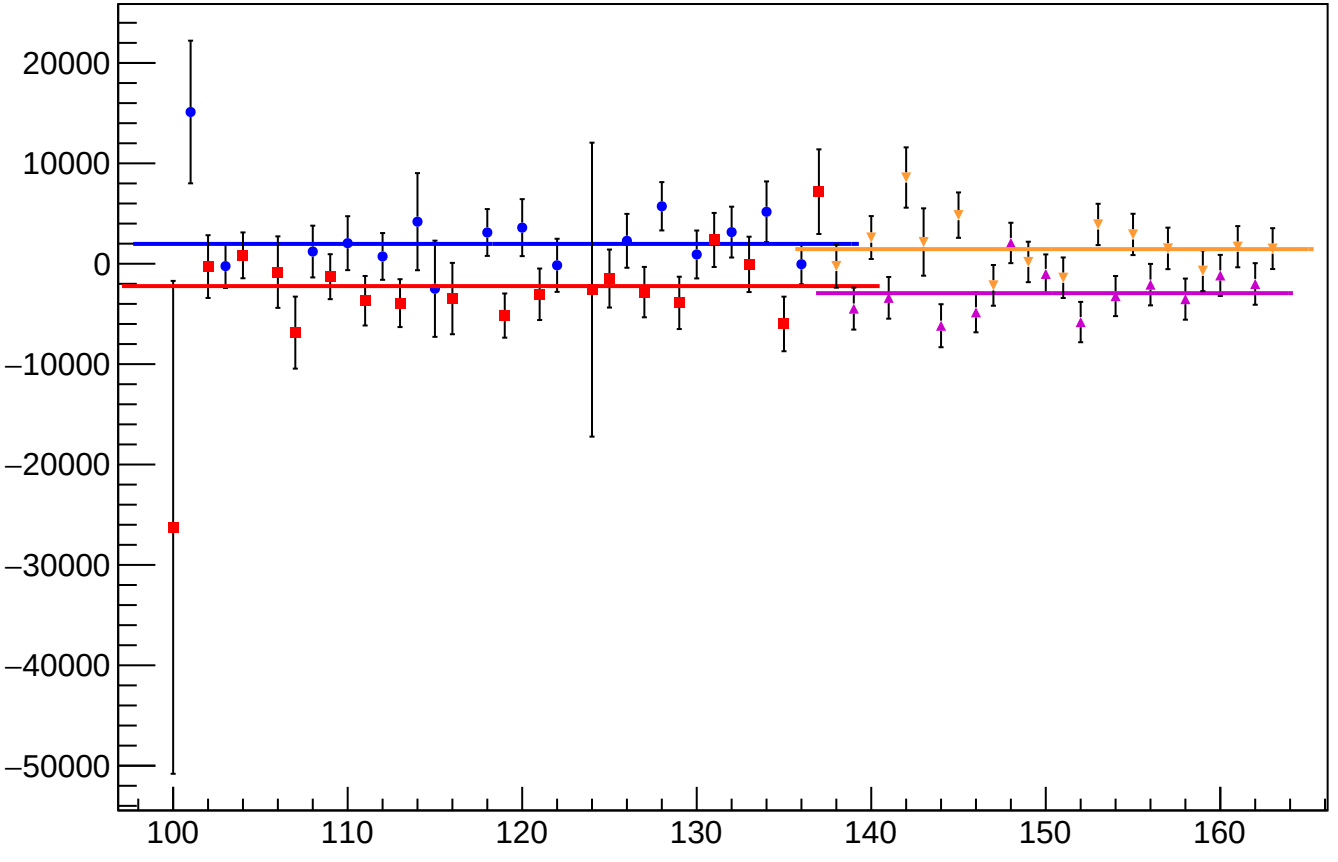
Left In: 4953.594+/-1.108 χ^2/NDF:592702.0/11

+ sign 2441.866+/-0.489 χ^2/NDF: 11644251.5/29

All: 2251.433+/-0.338 χ^2/NDF: 27569841.9/6

- sign 2076.832+/-0.469 χ^2/NDF: 15635389.6/30

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

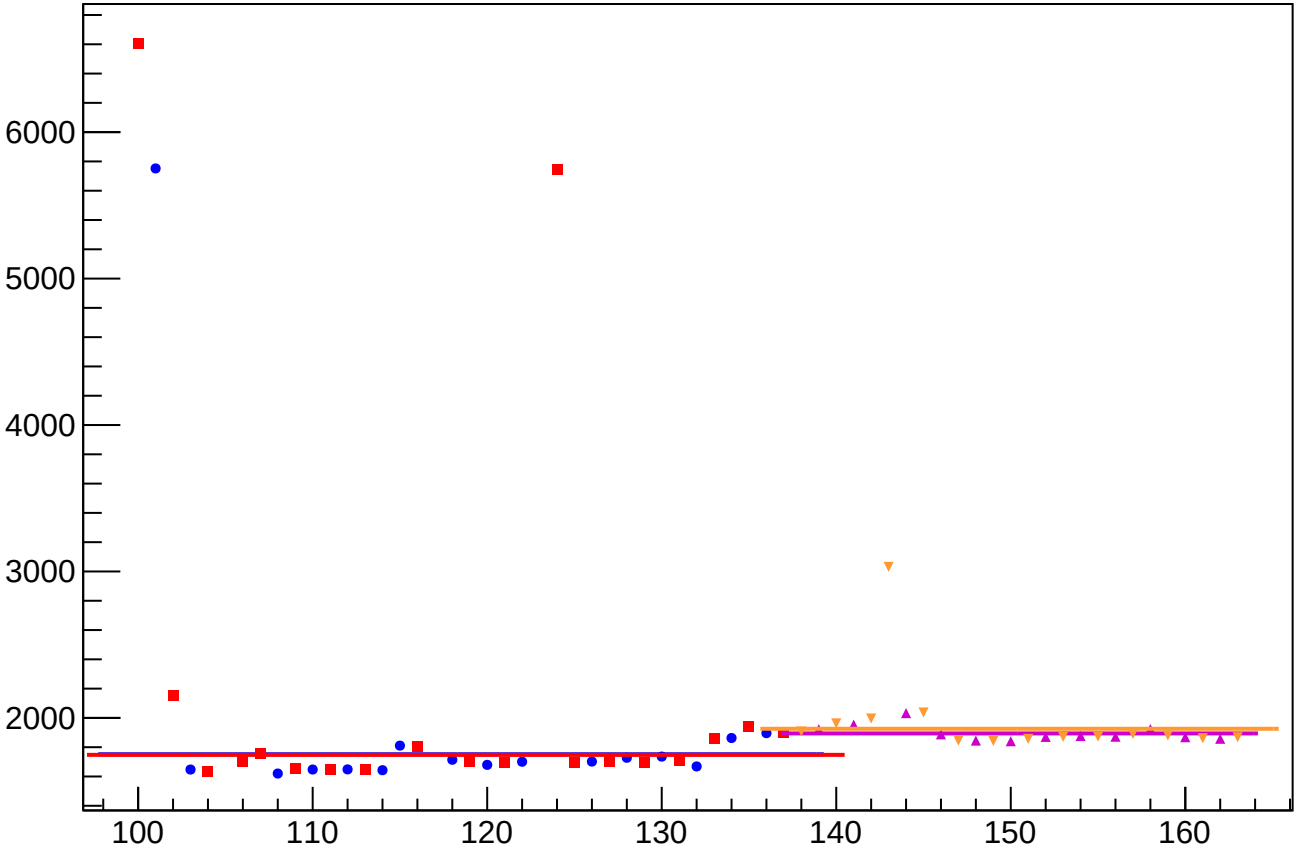
Left In: -2929.586+/-588.629 χ^2/NDF:14.2/11

+ sign 1680.215+/-437.092 χ^2/NDF: 29.9/29

All: -462.485+/-309.461 χ^2/NDF: 111.9/60

- sign -2616.037+/-438.197 χ^2/NDF: 33.8/30

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

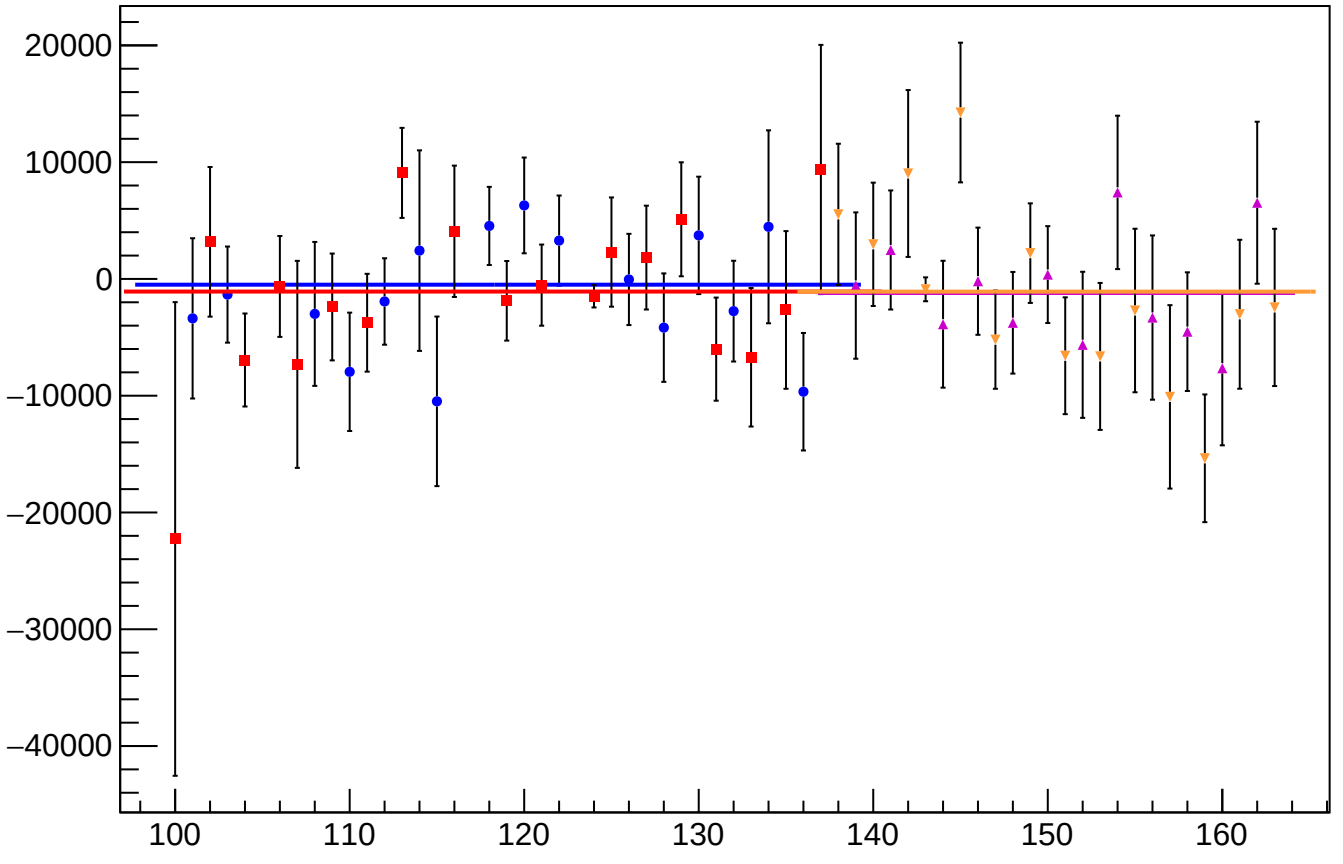
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

+ sign 1851.203+/-0.309 χ^2/NDF: 989269.2/29

All: 1839.924+/-0.219 χ^2/NDF: 1360363.4/60

- sign 1828.625+/-0.309 χ^2/NDF: 368428.1/30



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

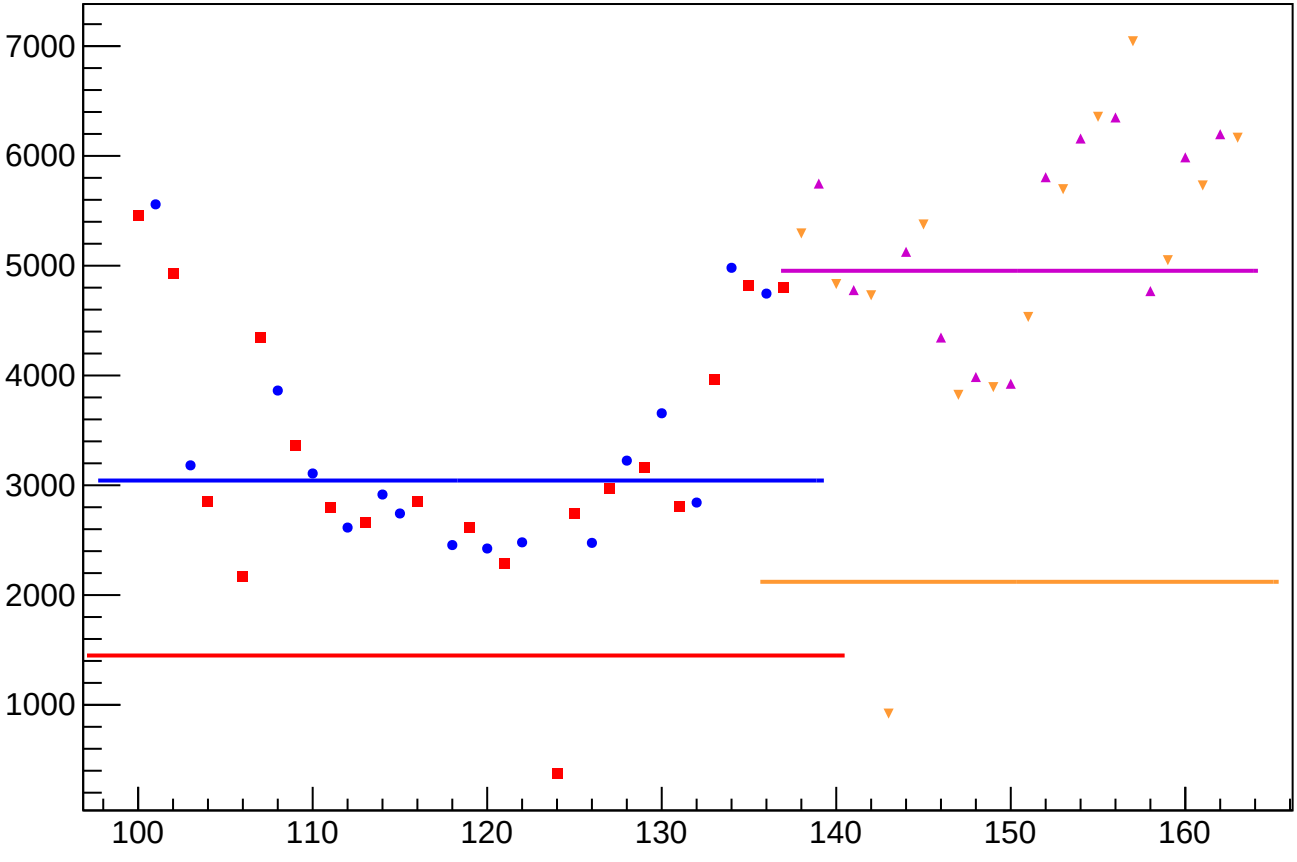
Left In: -1202.971+/-1566.383 χ^2/NDF:6.2/11

+ sign -880.895+/-692.154 χ^2/NDF: 38.4/29

All: -996.646+/-478.695 χ^2/NDF: 63.2/60

- sign -1102.774+/-662.757 χ^2/NDF: 24.7/30

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

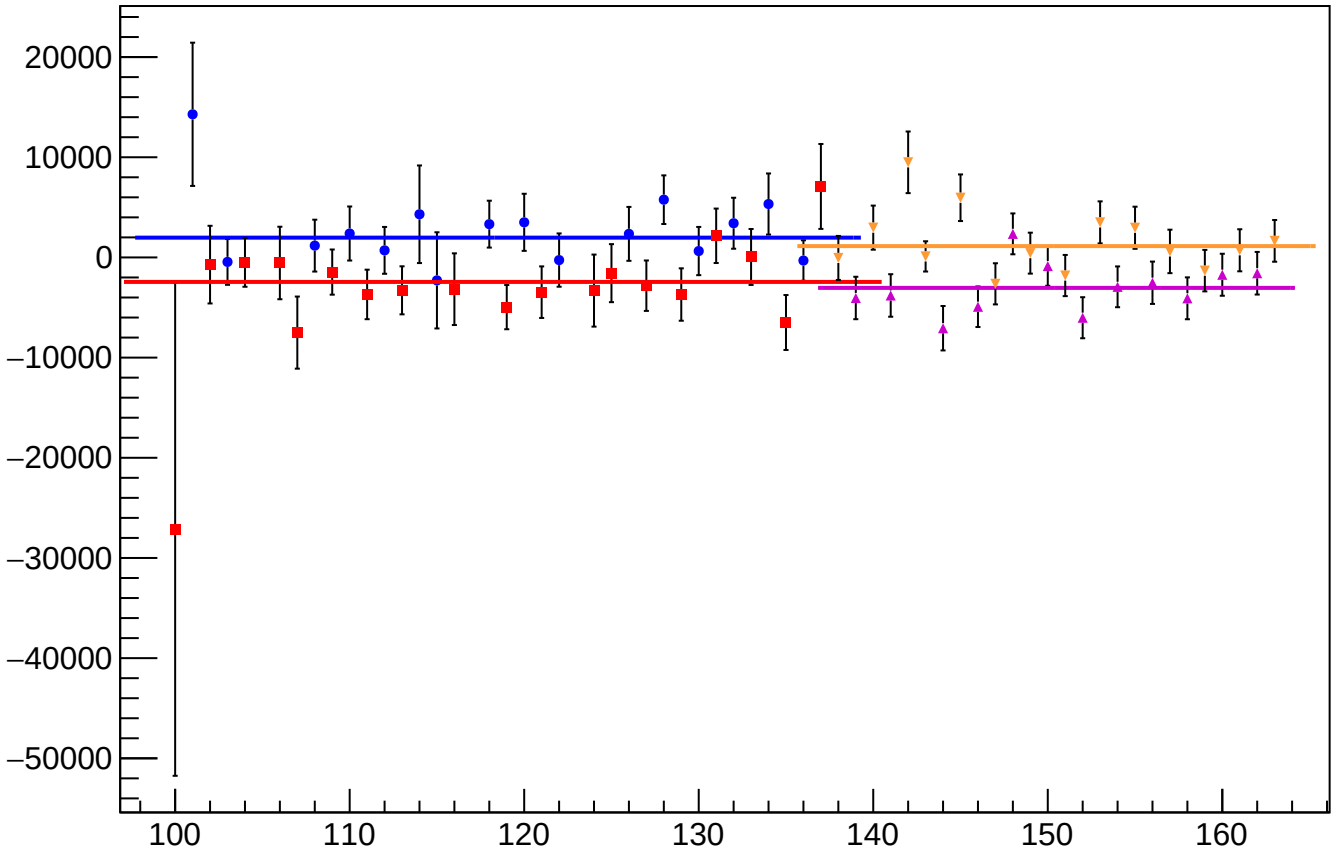
Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4953.594+/-1.108 χ^2/NDF:592702.0/11

+ sign 2441.866+/-0.489 χ^2/NDF: 11644251.5/29

All: 2251.433+/-0.338 χ^2/NDF: 27569841.9/6

- sign 2076.832+/-0.469 χ^2/NDF: 15635389.6/30



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.604+/-557.888 χ^2/NDF:22.3/13

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

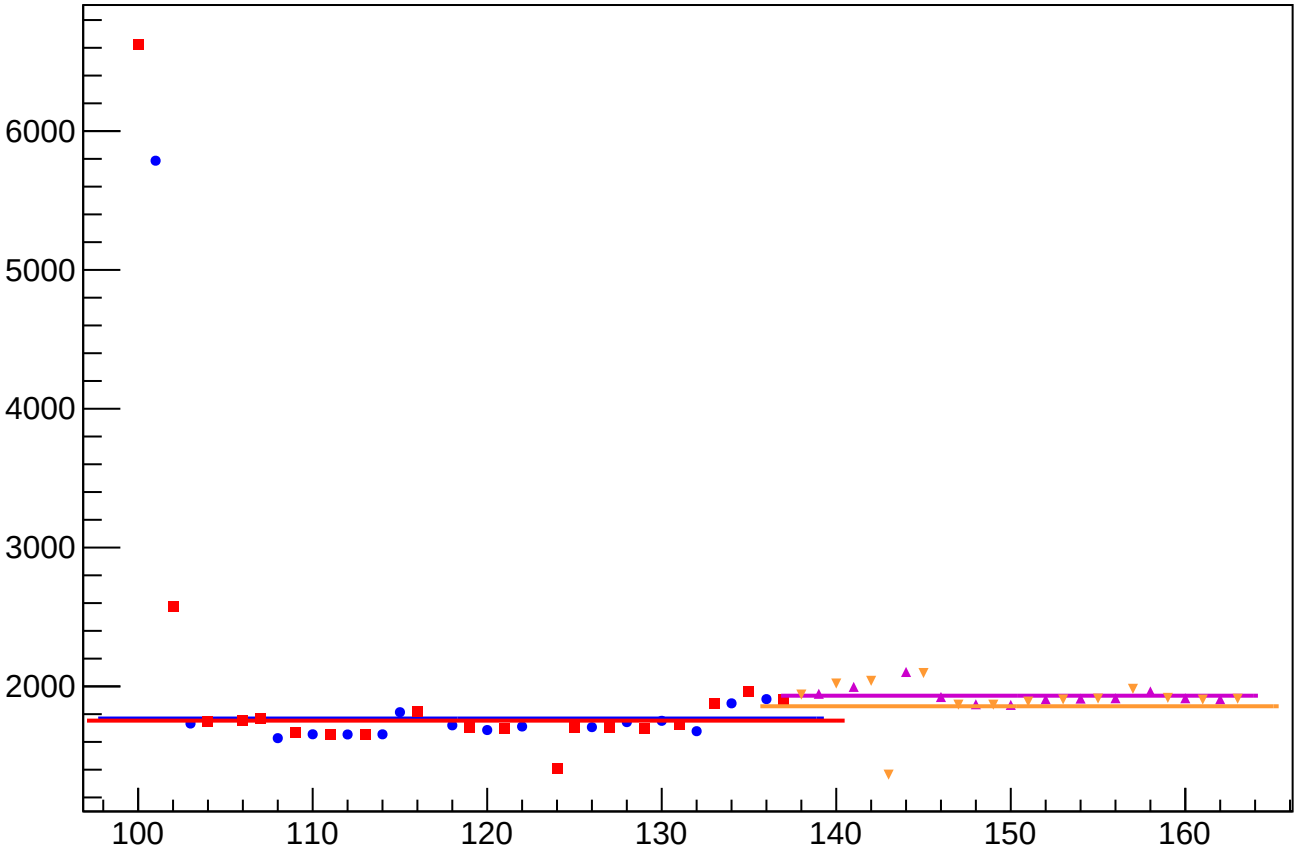
Left In: -3039.624+/-600.759 χ^2/NDF:16.0/11

+ sign 1474.188+/-429.786 χ^2/NDF: 35.6/29

All: -580.389+/-308.660 χ^2/NDF: 116.8/60

- sign -2768.789+/-443.562 χ^2/NDF: 33.9/30

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.840+/-0.394 χ^2/NDF:269067.7/13

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

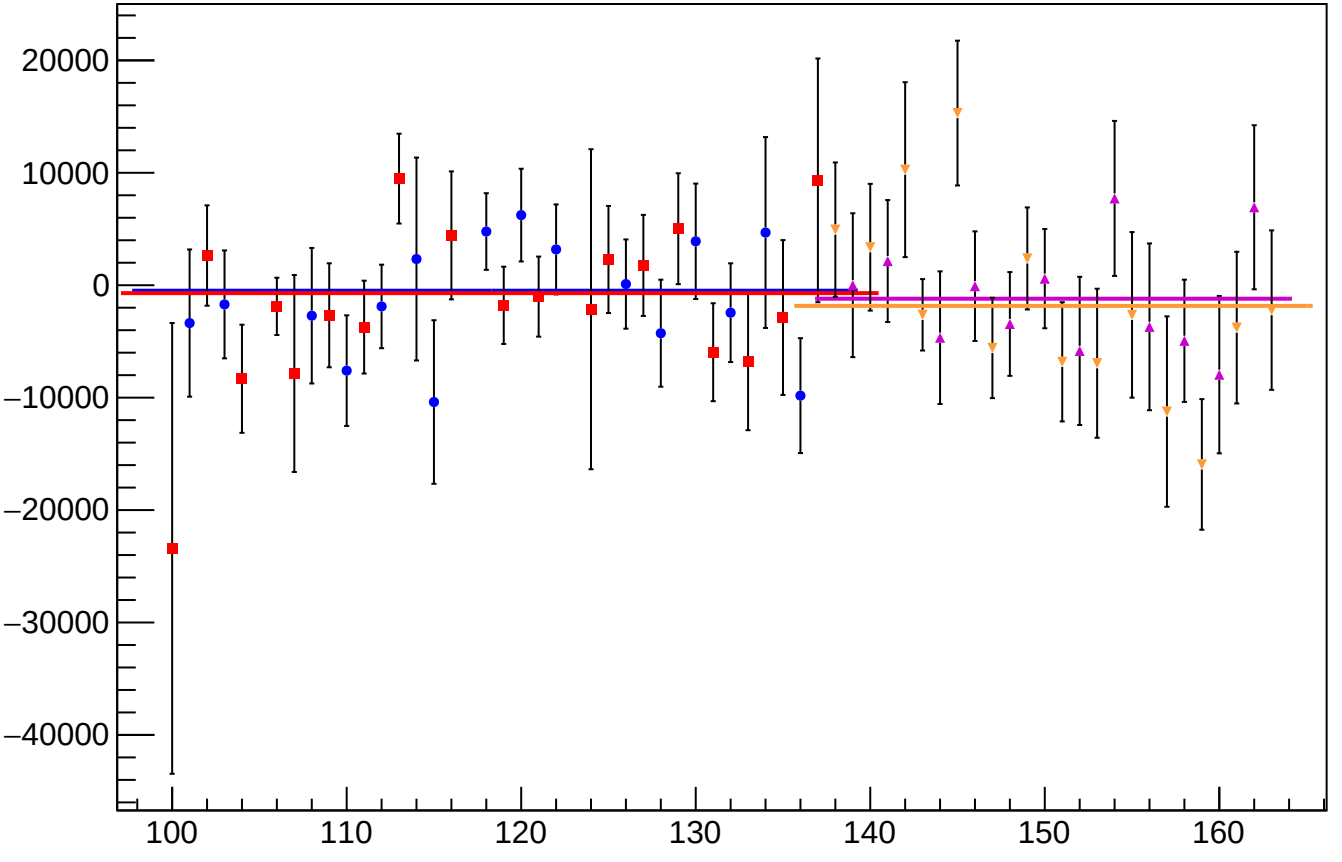
Left In: 1932.903+/-0.425 χ^2/NDF:19450.0/11

+ sign 1820.921+/-0.304 χ^2/NDF: 956830.1/29

All: 1835.509+/-0.218 χ^2/NDF: 1281365.7/60

- sign 1851.010+/-0.313 χ^2/NDF: 319782.9/30

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1837.977+/-1474.008 χ^2/NDF:22.0/13

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

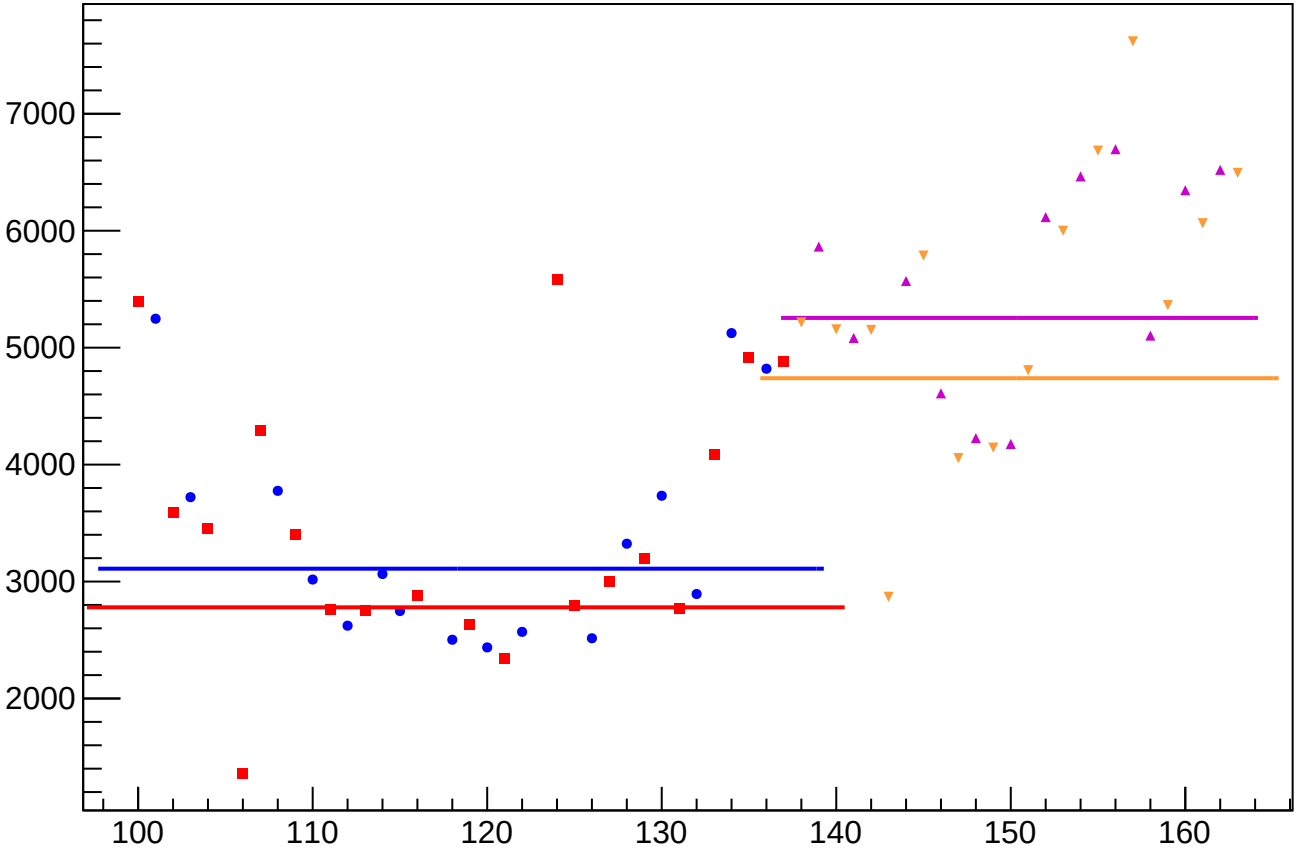
Left In: -1199.604+/-1660.278 χ^2/NDF:6.1/11

\+ sign -1025.349+/-929.907 χ^2/NDF: 38.2/29

All: -934.130+/-646.371 χ^2/NDF: 63.3/60

\- sign -848.858+/-899.084 χ^2/NDF: 25.1/30

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4738.814+/-1.042 χ^2/NDF:1522769.8/13

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

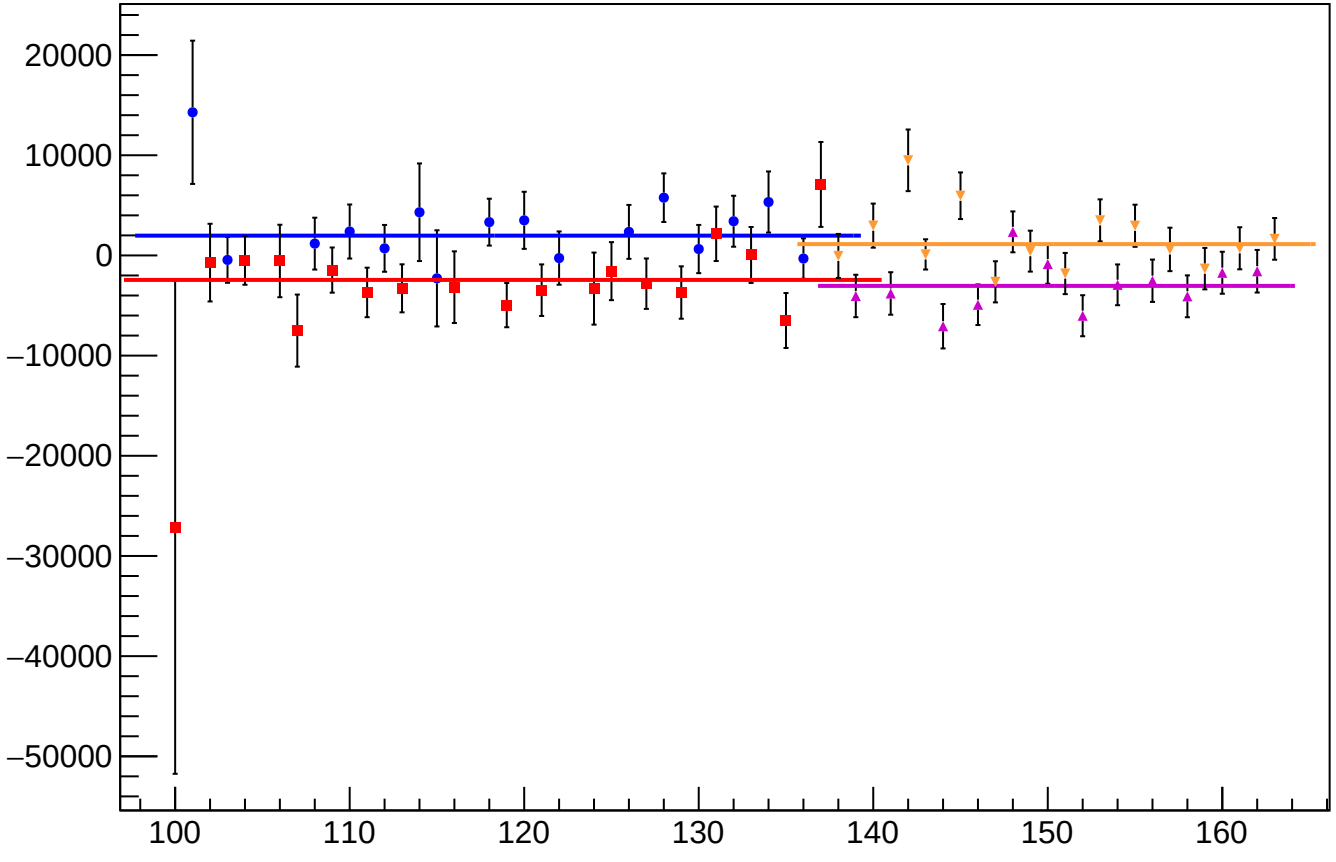
Left In: 5254.331+/-1.174 χ^2/NDF:561284.1/11

+ sign 3758.342+/-0.658 χ^2/NDF: 3875978.6/29

All: 3627.577+/-0.457 χ^2/NDF: 9002283.0/60

- sign 3505.337+/-0.636 χ^2/NDF: 5049785.1/30

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.600+/-557.888 χ^2/NDF:22.3/13

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

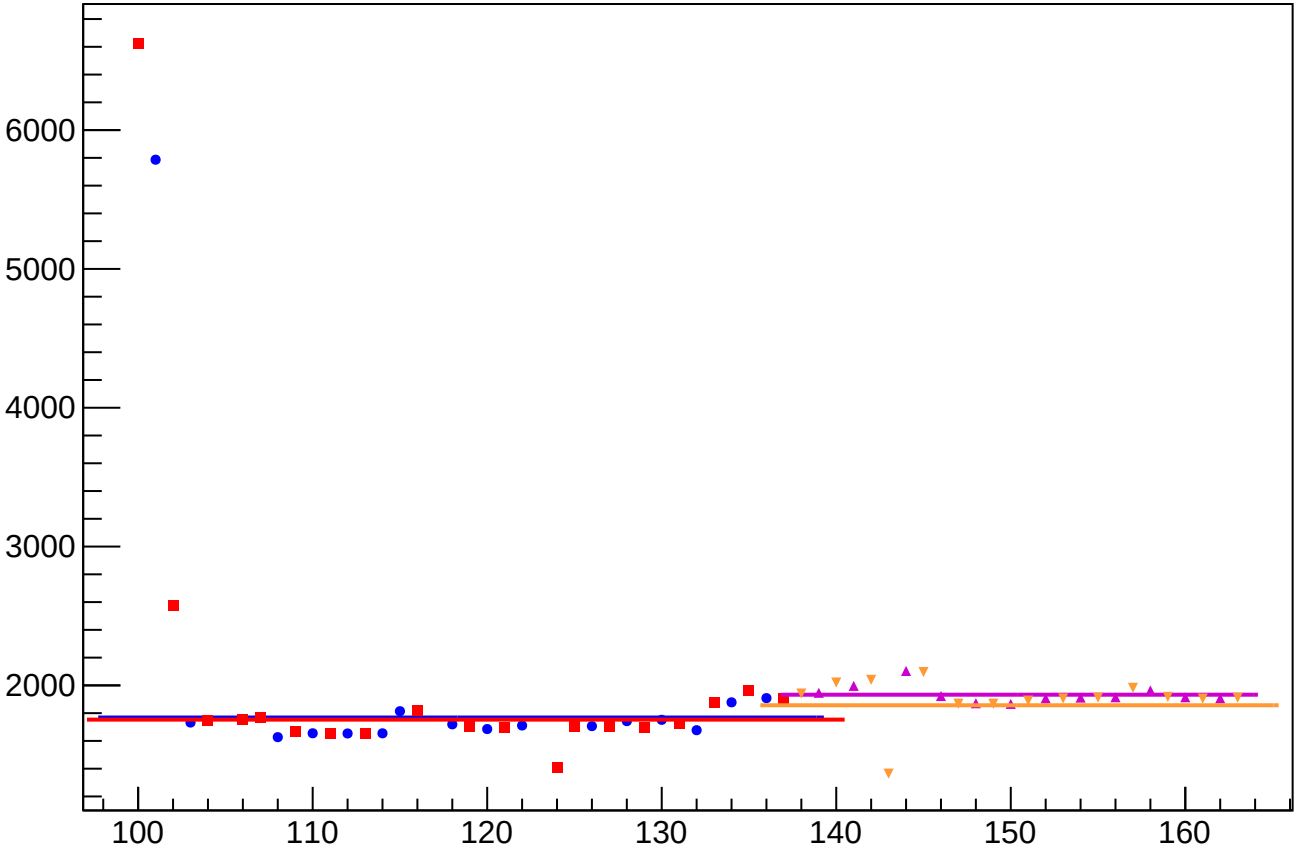
Left In: -3039.623+/-600.759 χ^2/NDF:16.0/11

+ sign 1474.187+/-429.786 χ^2/NDF: 35.6/29

All: -580.390+/-308.660 χ^2/NDF: 116.8/60

- sign -2768.789+/-443.562 χ^2/NDF: 33.9/30

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.841+/-0.394 χ^2/NDF:269069.1/13

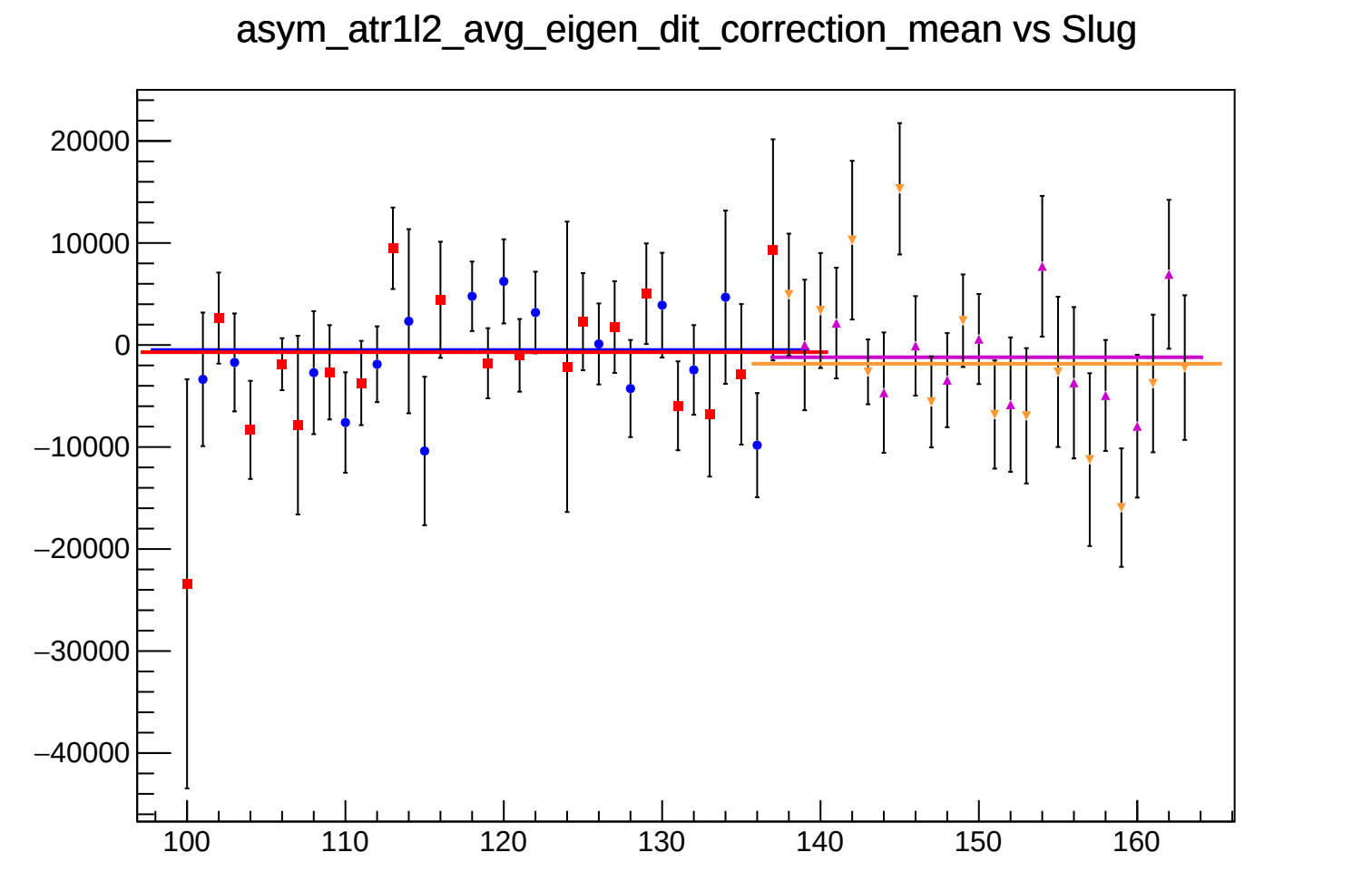
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.904+/-0.425 χ^2/NDF:19450.3/11

+ sign 1820.921+/-0.304 χ^2/NDF: 956831.9/29

All: 1835.509+/-0.218 χ^2/NDF: 1281368.9/60

- sign 1851.010+/-0.313 χ^2/NDF: 319784.3/30



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1837.983+/-1474.010 χ^2/NDF:22.0/13

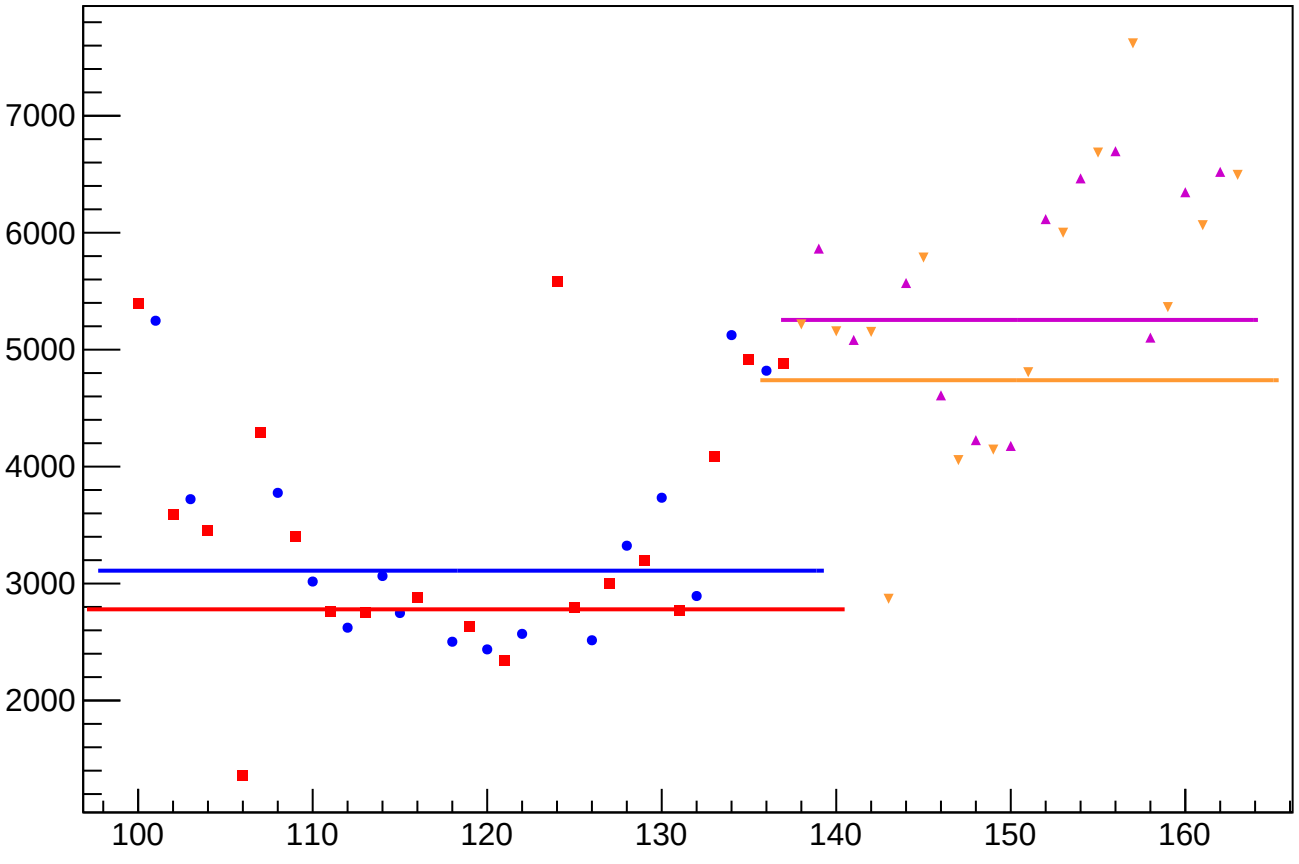
Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: -1199.604+/-1660.280 χ^2/NDF:6.1/11

+ sign -1025.345+/-929.906 χ^2/NDF: 38.2/29

All: -934.128+/-646.369 χ^2/NDF: 63.3/60

- sign -848.858+/-899.082 χ^2/NDF: 25.1/30



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4738.818+/-1.042 χ^2/NDF:1522776.7/13

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

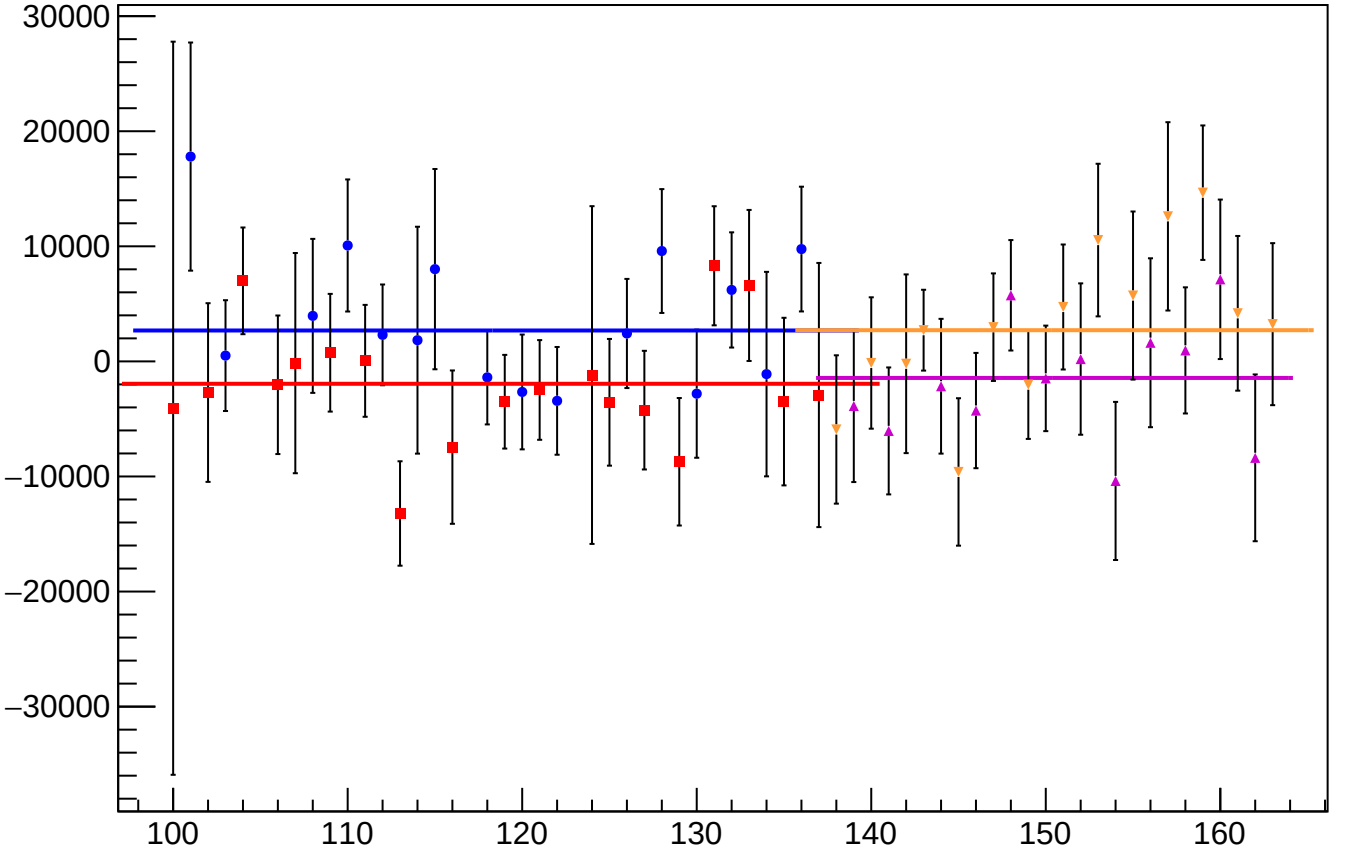
Left In: 5254.337+/-1.174 χ^2/NDF:561287.3/11

+ sign 3758.334+/-0.658 χ^2/NDF: 3876024.6/29

All: 3627.566+/-0.457 χ^2/NDF: 9002403.1/60

- sign 3505.325+/-0.636 χ^2/NDF: 5049856.5/30

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2709.925+/-1525.929 χ^2/NDF:14.3/13

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

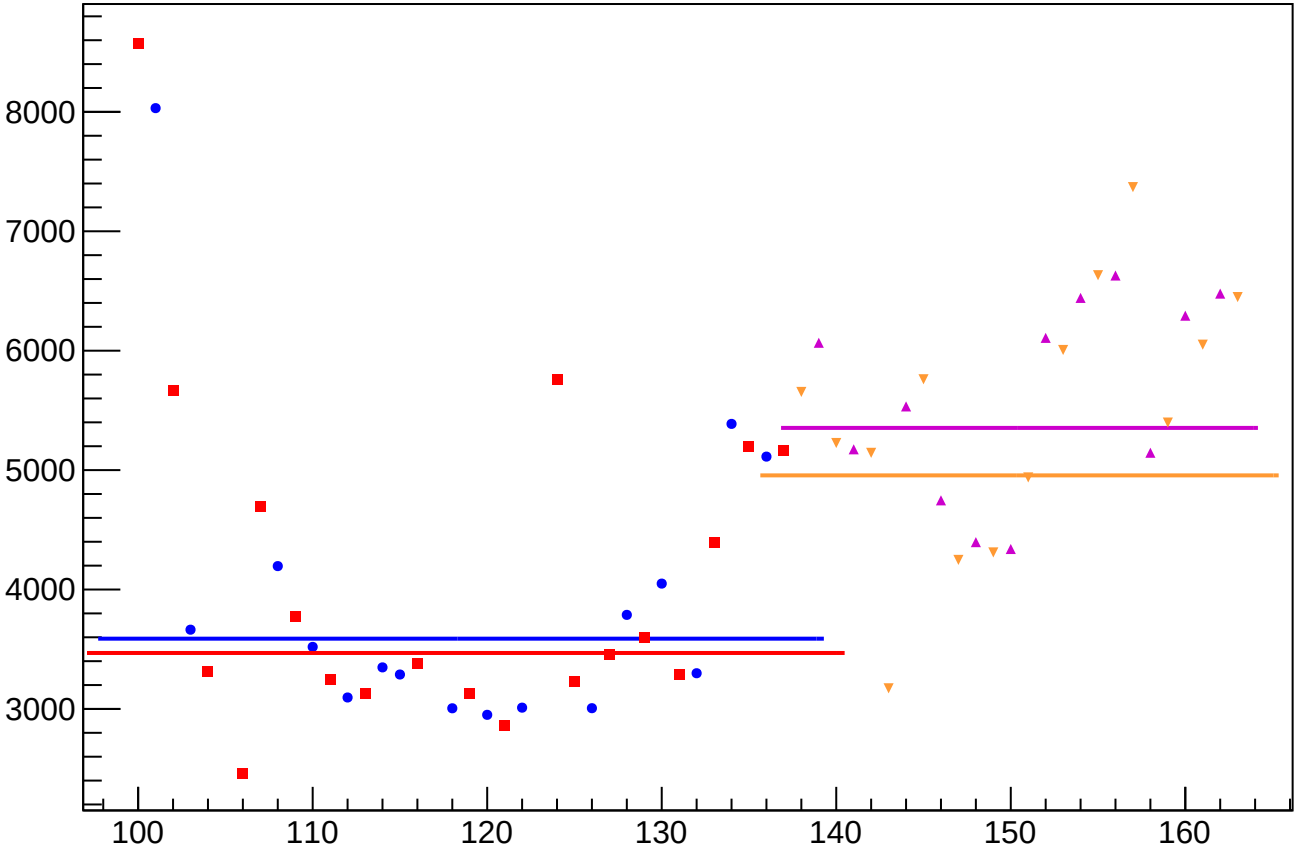
Left In: -1438.262+/-1685.990 χ^2/NDF:8.0/11

+ sign 2696.441+/-1023.482 χ^2/NDF: 27.7/29

All: 520.609+/-731.423 χ^2/NDF: 63.7/60

- sign -1750.506+/-1045.652 χ^2/NDF: 26.7/30

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4955.881+/-1.079 χ^2/NDF:1143768.6/13

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

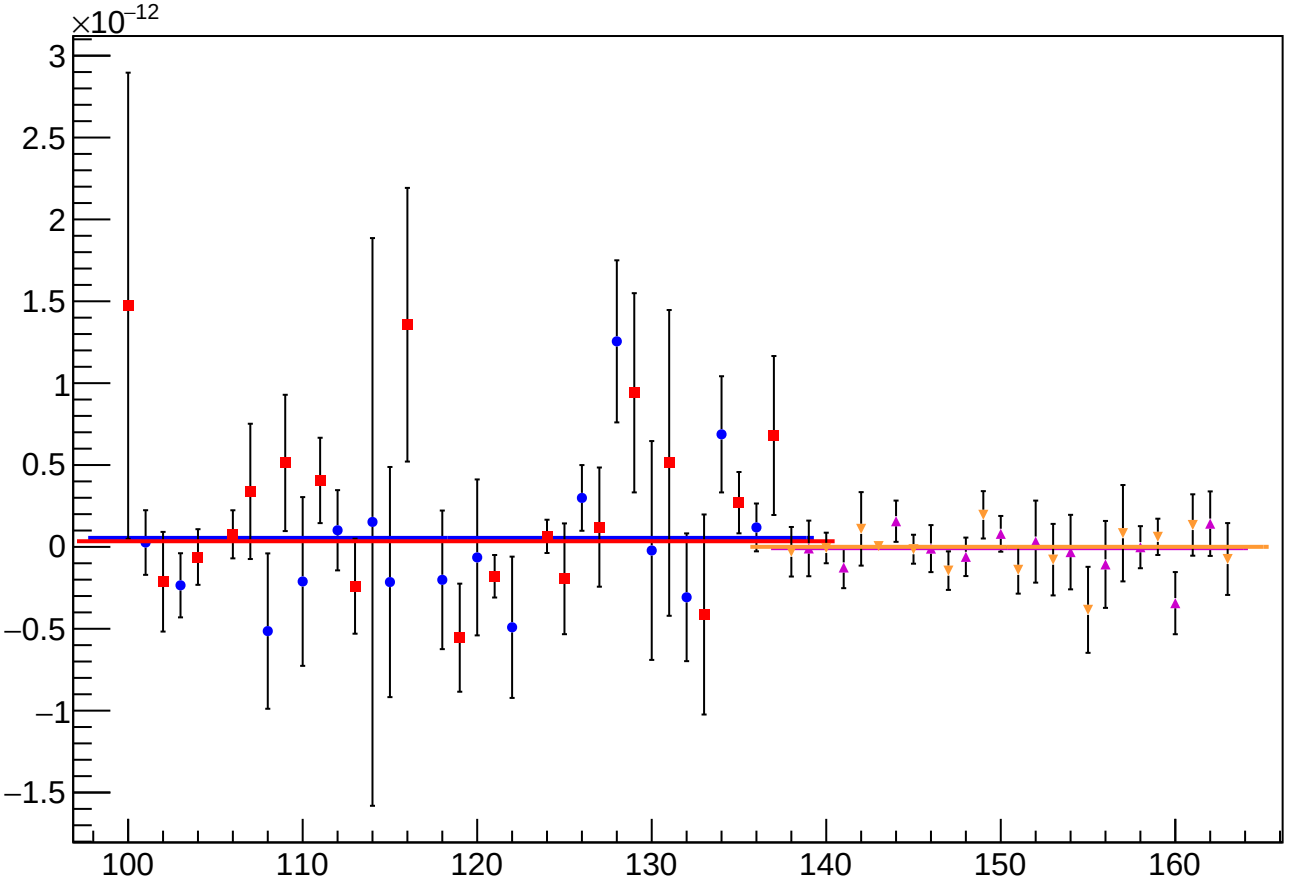
Left In: 5353.424+/-1.192 χ^2/NDF:458737.5/11

+ sign 4203.611+/-0.724 χ^2/NDF: 2872569.1/29

All: 4191.949+/-0.515 χ^2/NDF: 5554475.6/60

- sign 4180.005+/-0.732 χ^2/NDF: 2681380.9/30

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:7.9/13

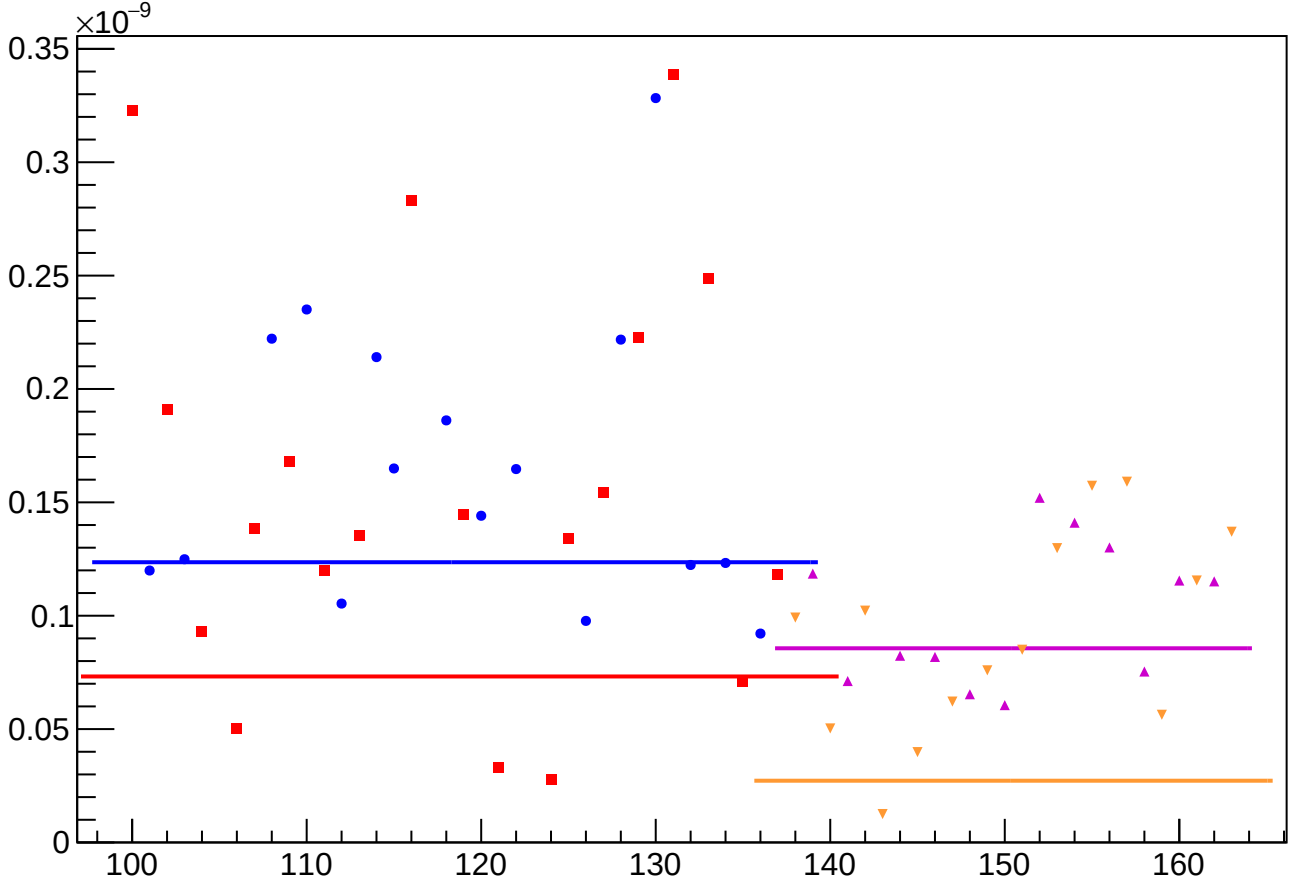
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 26.2/29

All: 0.000+/-0.000 χ^2/NDF: 56.1/60

- sign 0.000+/-0.000 χ^2/NDF: 29.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4830376.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

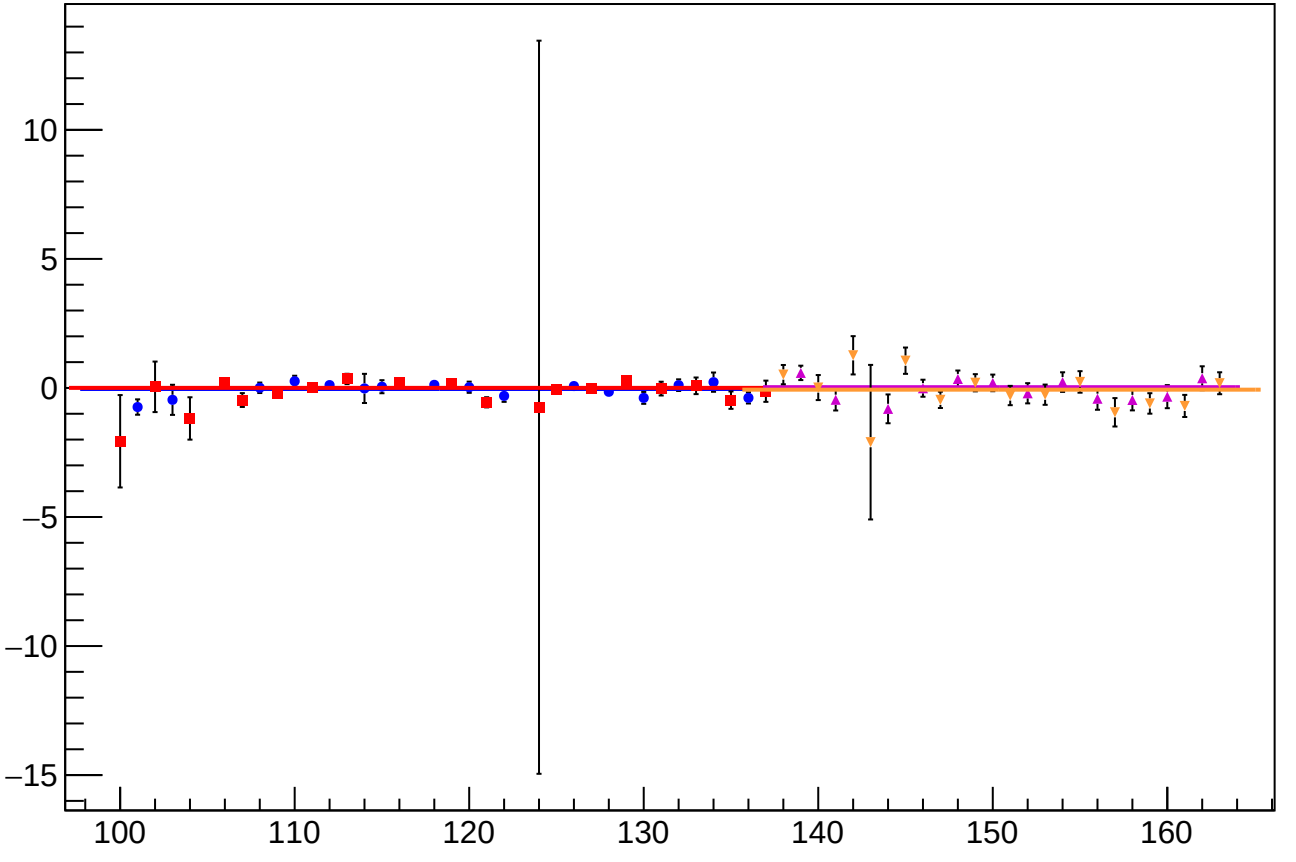
Left In: 0.000+/-0.000 χ^2/NDF:691364.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 8733120.4/29

All: 0.000+/-0.000 χ^2/NDF: 14653219.1/60

- sign 0.000+/-0.000 χ^2/NDF: 2945622.9/30

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

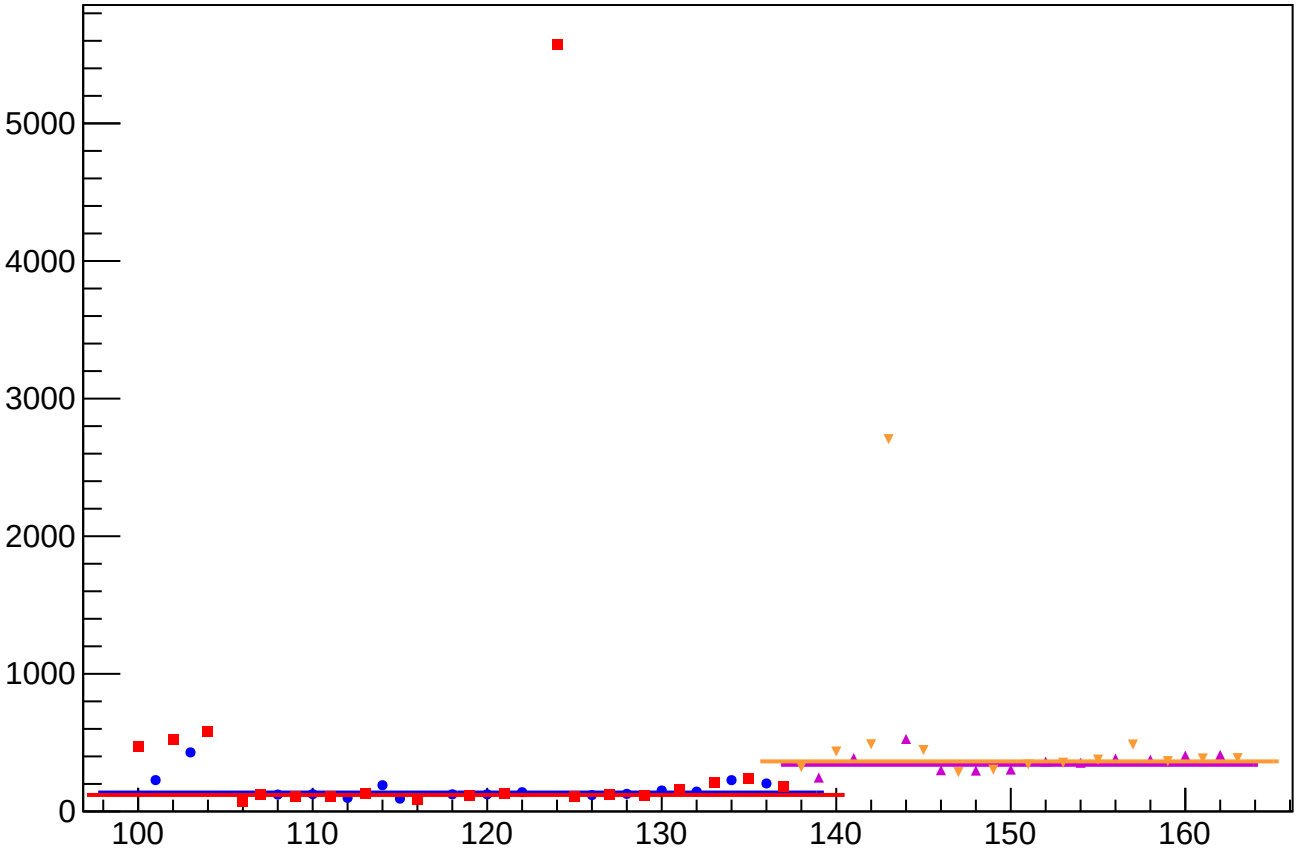
Left In: 0.030+/-0.109 χ^2/NDF:13.2/11

+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.016+/-0.034 χ^2/NDF: 81.8/60

- sign 0.008+/-0.046 χ^2/NDF: 42.0/30

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

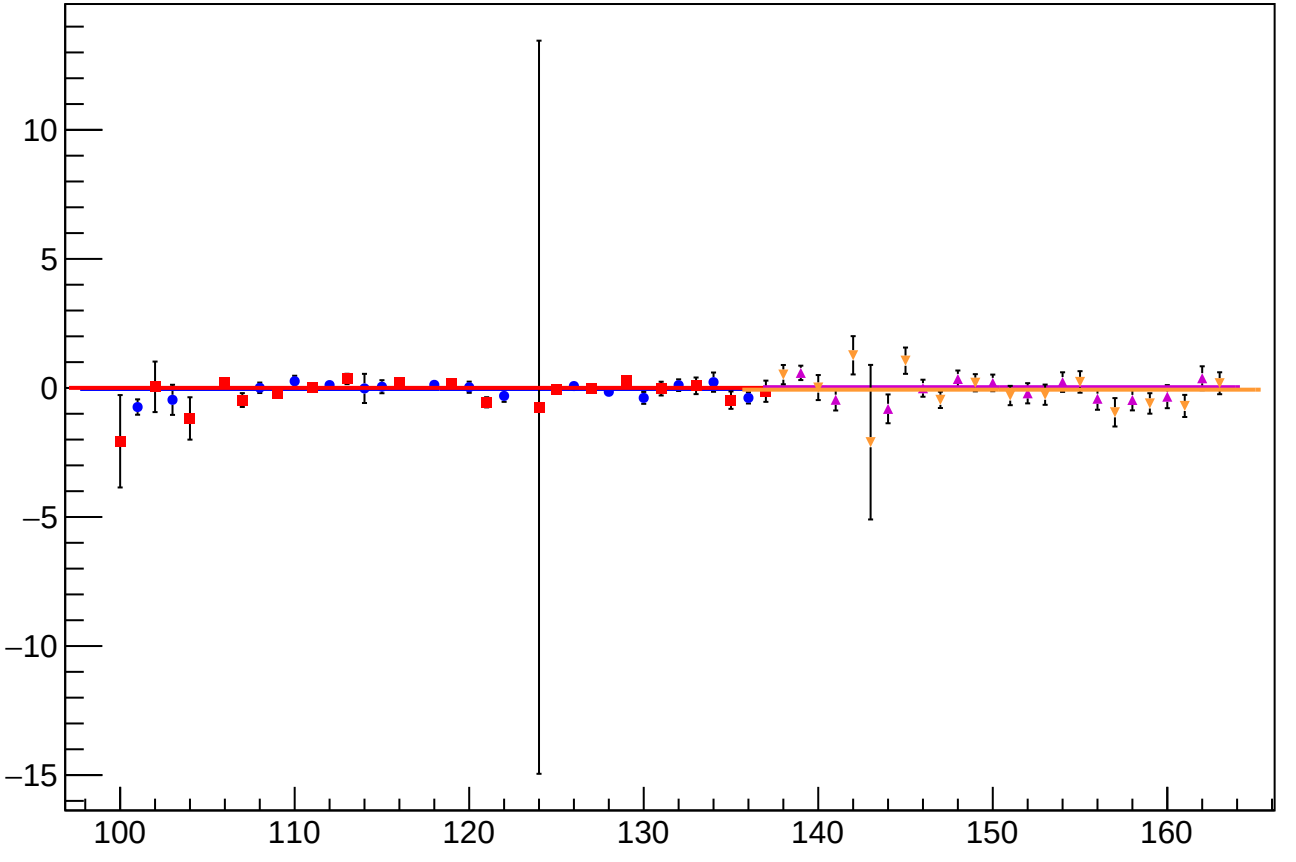
Left In: 339.123+/-0.077 χ^2/NDF:704331.1/11

+ sign 180.864+/-0.035 χ^2/NDF: 9291679.3/29

All: 169.256+/-0.024 χ^2/NDF: 18998832.4/60

- sign 159.452+/-0.033 χ^2/NDF: 9509723.8/30

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

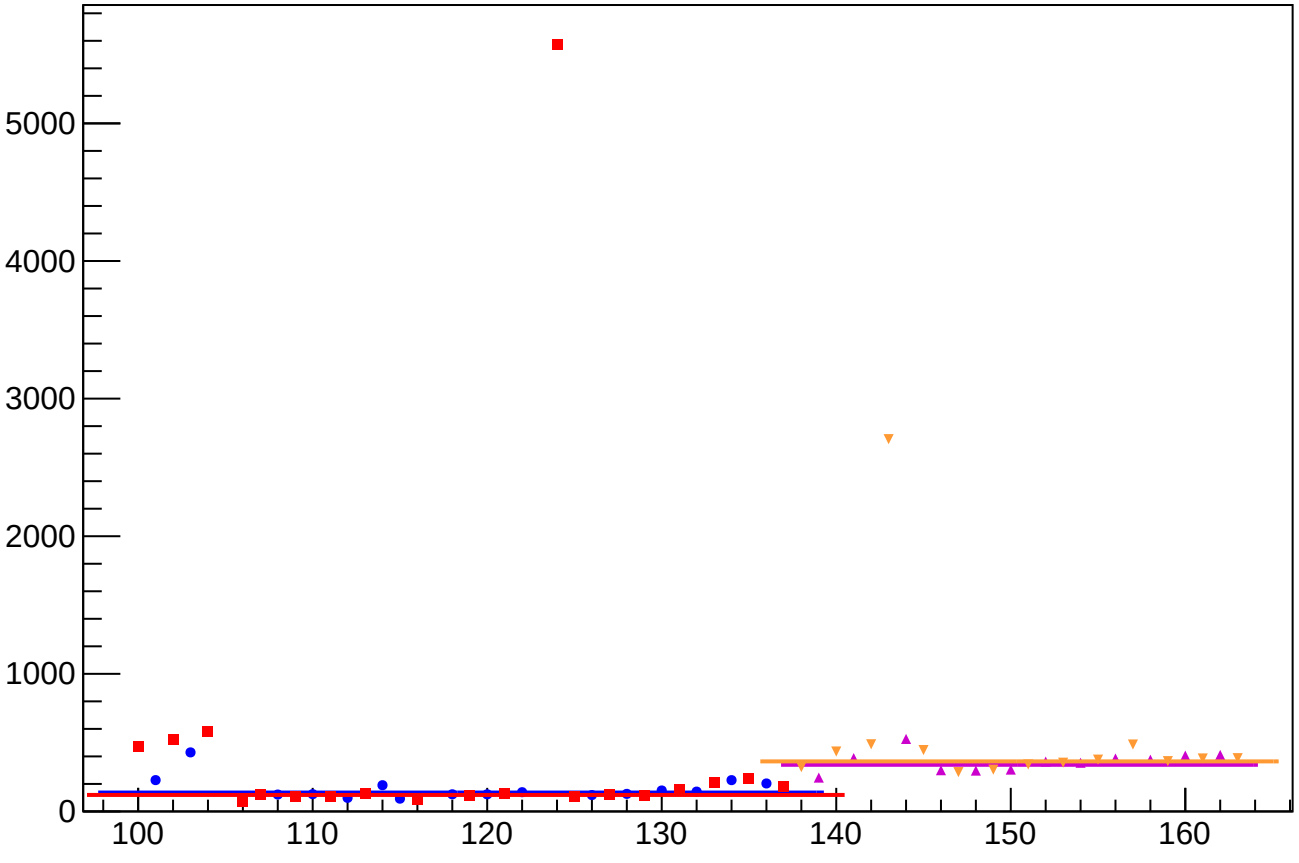
Left In: 0.030+/-0.109 χ^2/NDF:13.2/11

\+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.016+/-0.034 χ^2/NDF: 81.8/60

\- sign 0.008+/-0.046 χ^2/NDF: 42.0/30

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: 363.811+/-0.081 χ^2/NDF:1706944.6/13

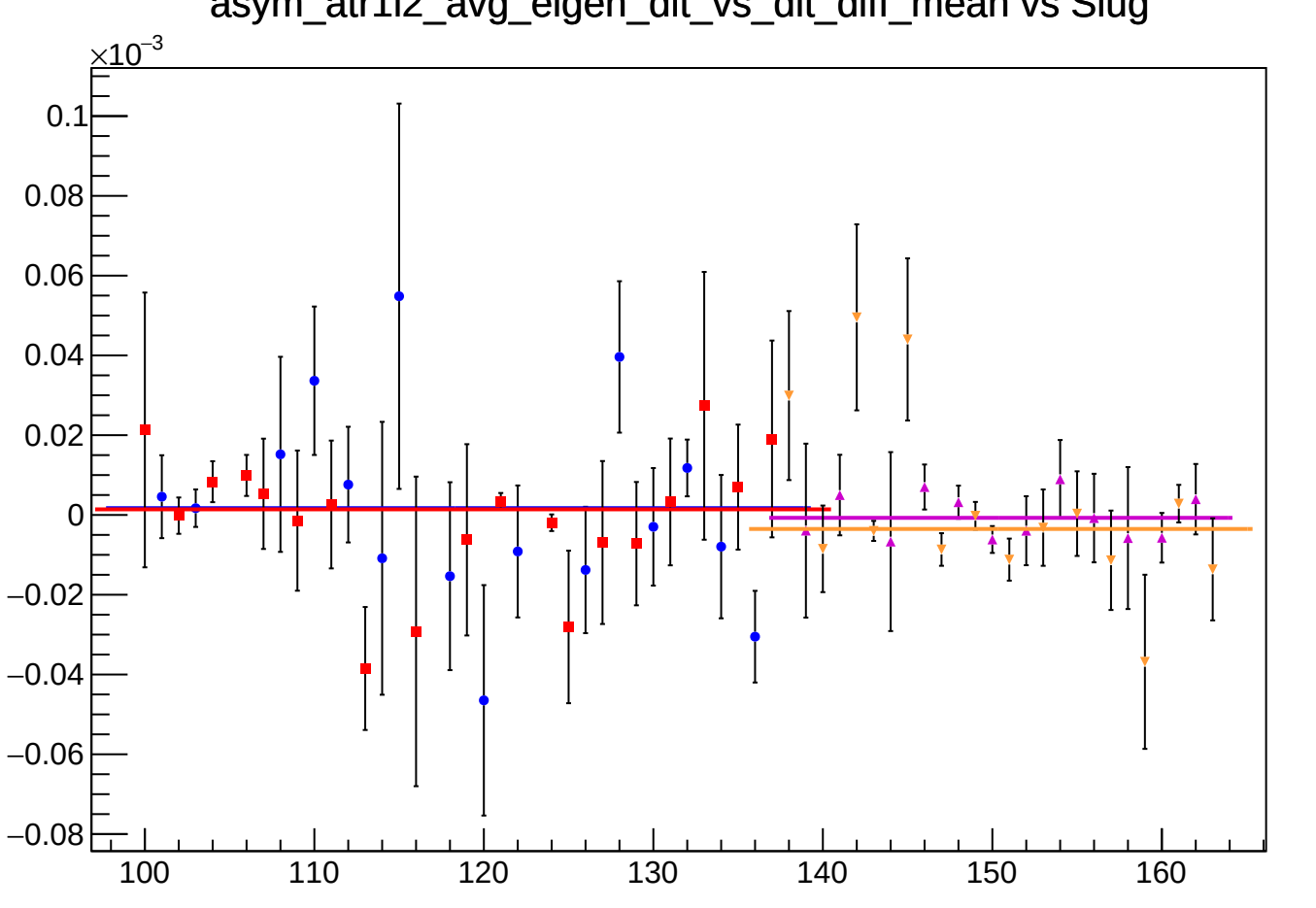
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.123+/-0.077 χ^2/NDF:704331.1/11

+ sign 180.864+/-0.035 χ^2/NDF: 9291679.3/29

All: 169.256+/-0.024 χ^2/NDF: 18998832.4/60

- sign 159.452+/-0.033 χ^2/NDF: 9509723.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.3/13

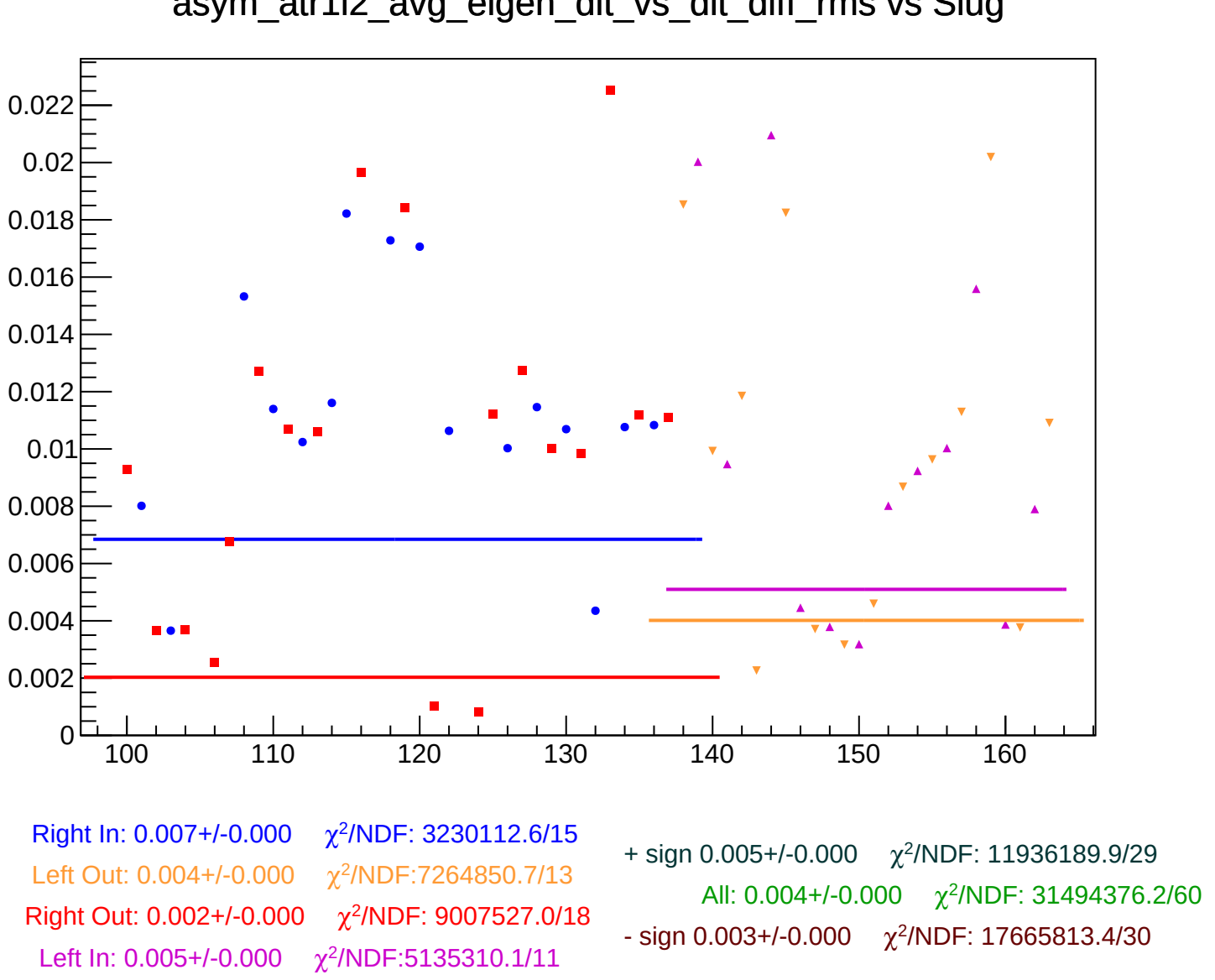
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

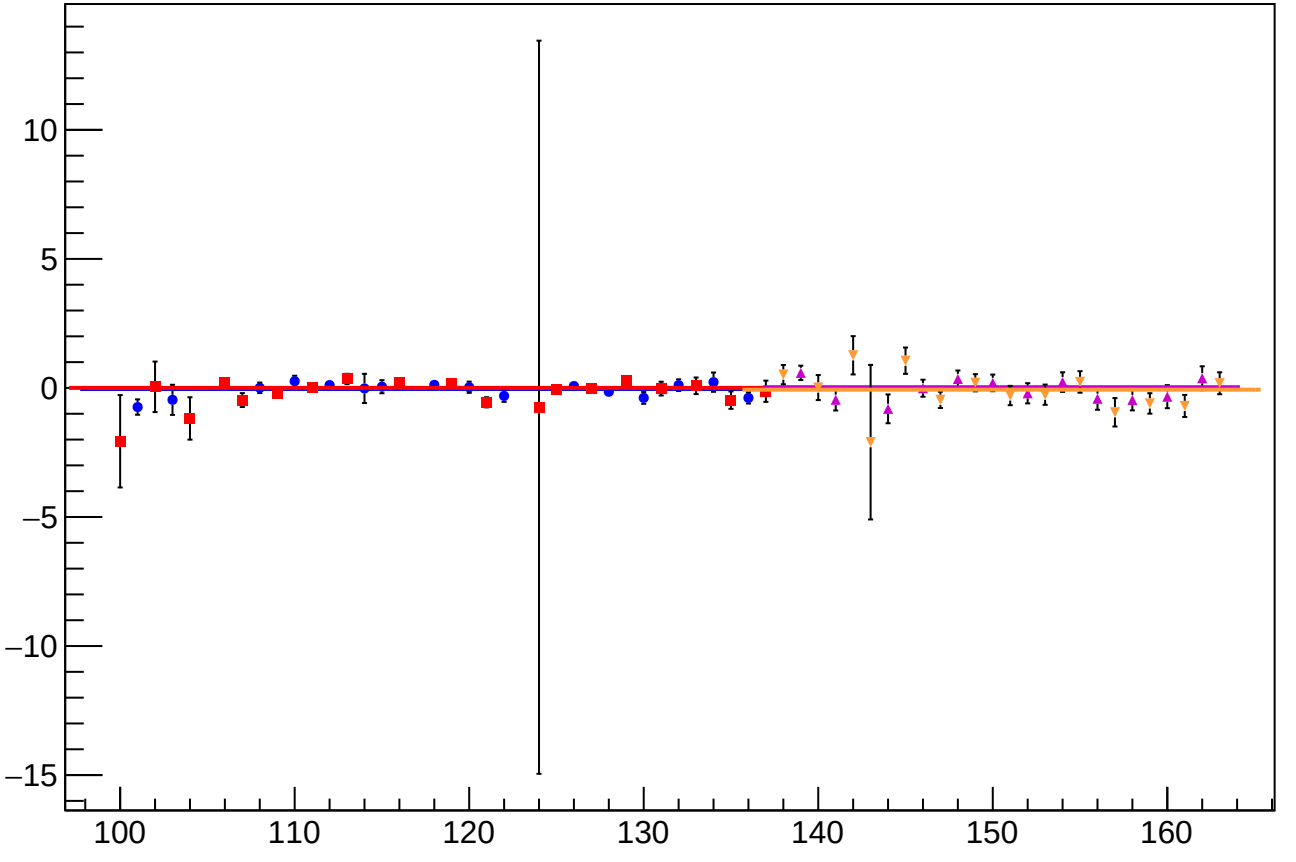
+ sign -0.000+/-0.000 χ^2/NDF: 49.5/29

All: -0.000+/-0.000 χ^2/NDF: 82.0/60

- sign 0.000+/-0.000 χ^2/NDF: 29.0/30


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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
160
Right In: 0.007+/-0.000 χ²/NDF: 3230112.6/15
Left Out: 0.004+/-0.000 χ²/NDF:7264850.7/13
Right Out: 0.002+/-0.000 χ²/NDF: 9007527.0/18
Left In: 0.005+/-0.000 χ²/NDF:5135310.1/11
+ sign 0.005+/-0.000 χ²/NDF: 11936189.9/29
All: 0.004+/-0.000 χ²/NDF: 31494376.2/60
- sign 0.003+/-0.000 χ²/NDF: 17665813.4/30

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: -0.067+/-0.115 χ^2/NDF:21.2/13

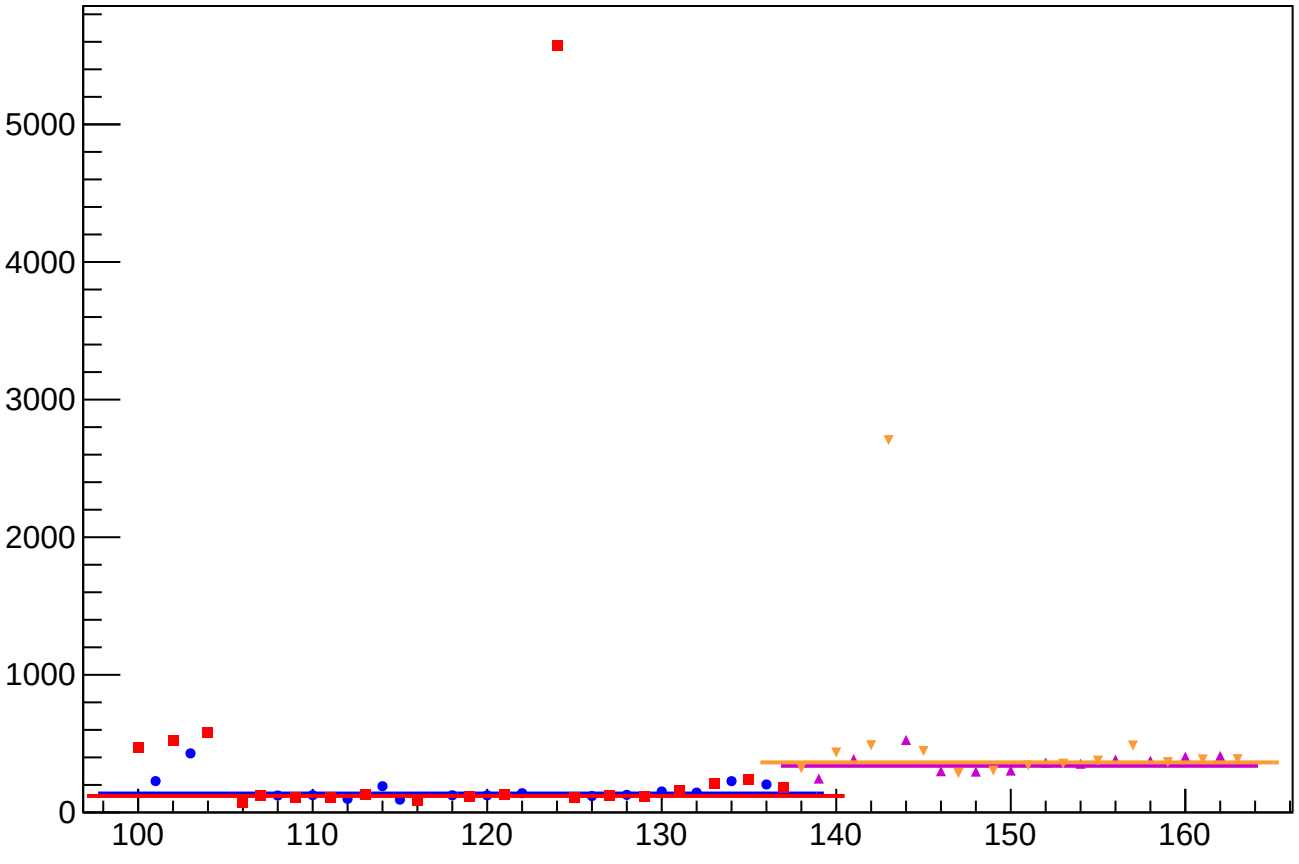
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.030+/-0.109 χ^2/NDF:13.2/11

\+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.016+/-0.034 χ^2/NDF: 81.8/60

\- sign 0.008+/-0.046 χ^2/NDF: 42.0/30



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 363.814+/-0.081 χ^2/NDF:1706985.7/13

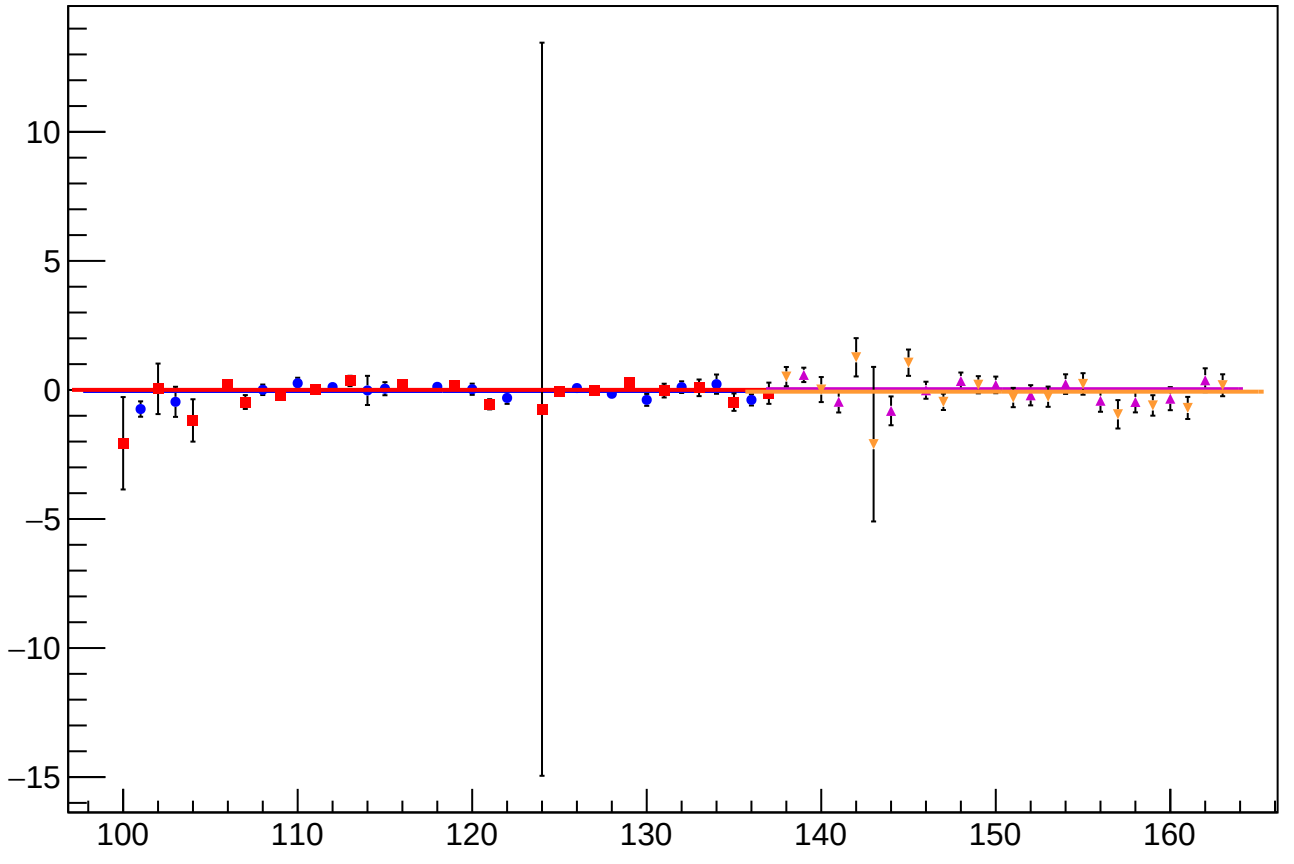
Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.128+/-0.077 χ^2/NDF:704325.0/11

+ sign 180.865+/-0.035 χ^2/NDF: 9291695.1/29

All: 169.257+/-0.024 χ^2/NDF: 18998926.9/60

- sign 159.452+/-0.033 χ^2/NDF: 9509782.1/30



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.067+/-0.115 χ^2/NDF:21.2/13

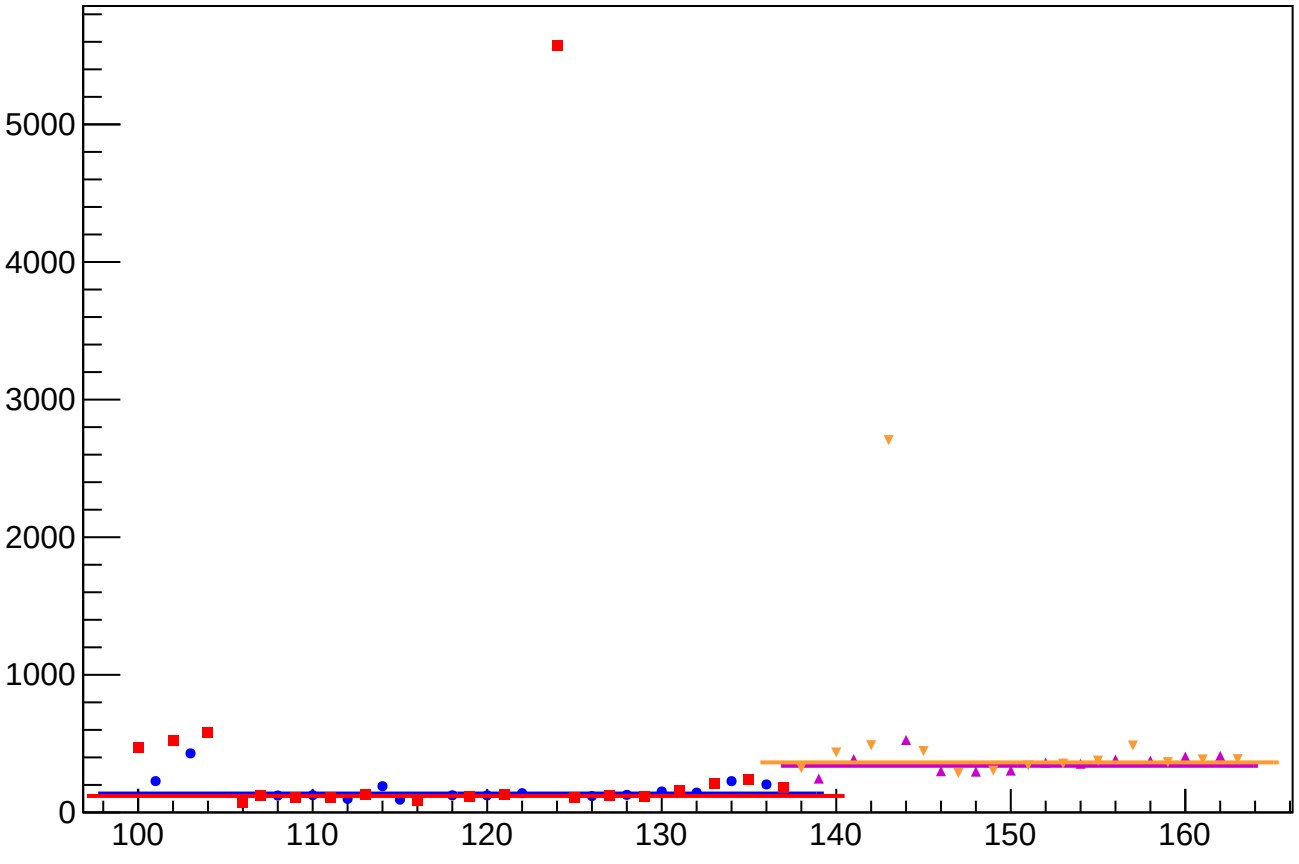
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.030+/-0.109 χ^2/NDF:13.2/11

\+ sign -0.045+/-0.050 χ^2/NDF: 39.2/29

All: -0.016+/-0.034 χ^2/NDF: 81.8/60

\- sign 0.008+/-0.046 χ^2/NDF: 42.0/30



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

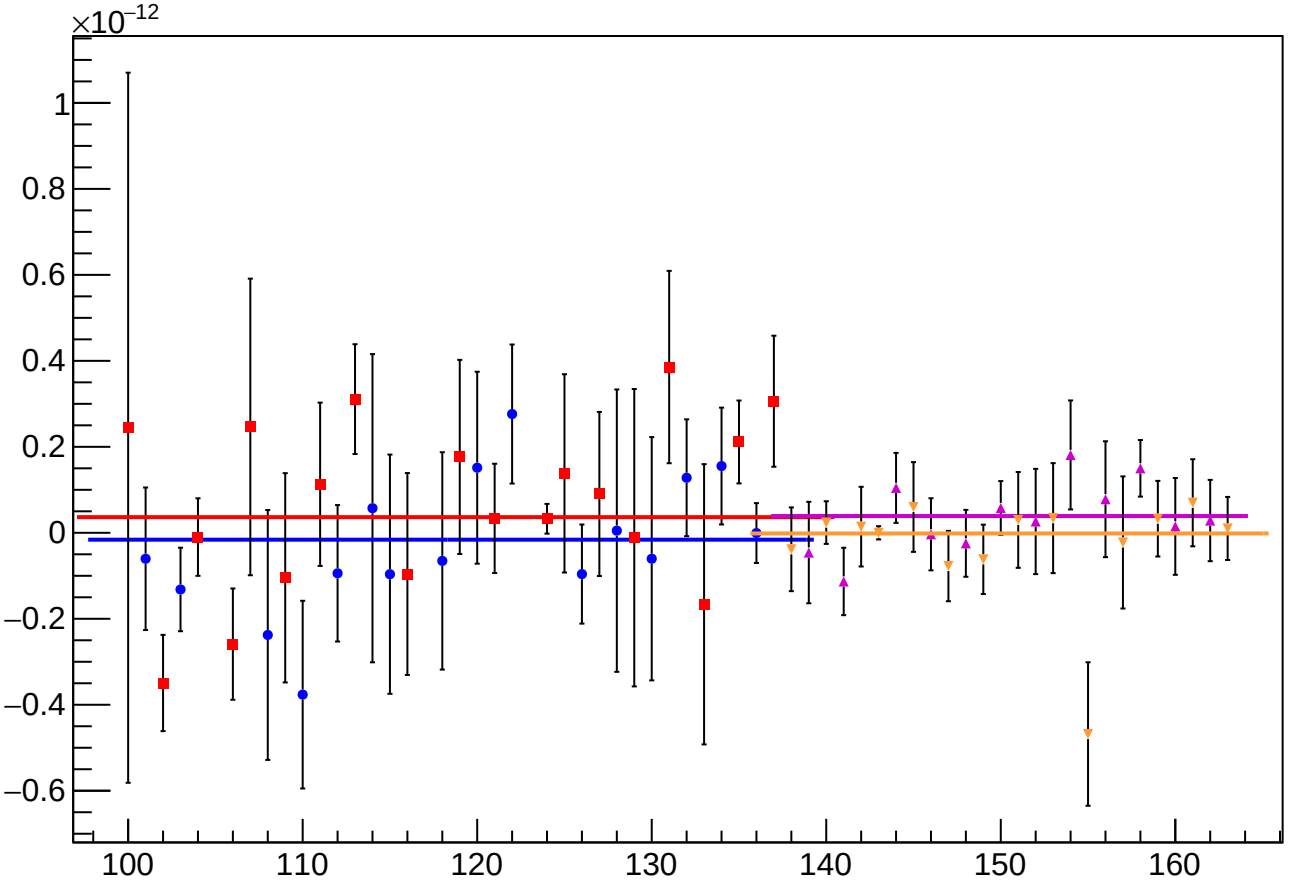
Left In: 339.128+/-0.077 χ^2/NDF:704325.0/11

+ sign 180.865+/-0.035 χ^2/NDF: 9291695.1/29

All: 169.257+/-0.024 χ^2/NDF: 18998926.9/60

- sign 159.452+/-0.033 χ^2/NDF: 9509782.1/30

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:10.9/13

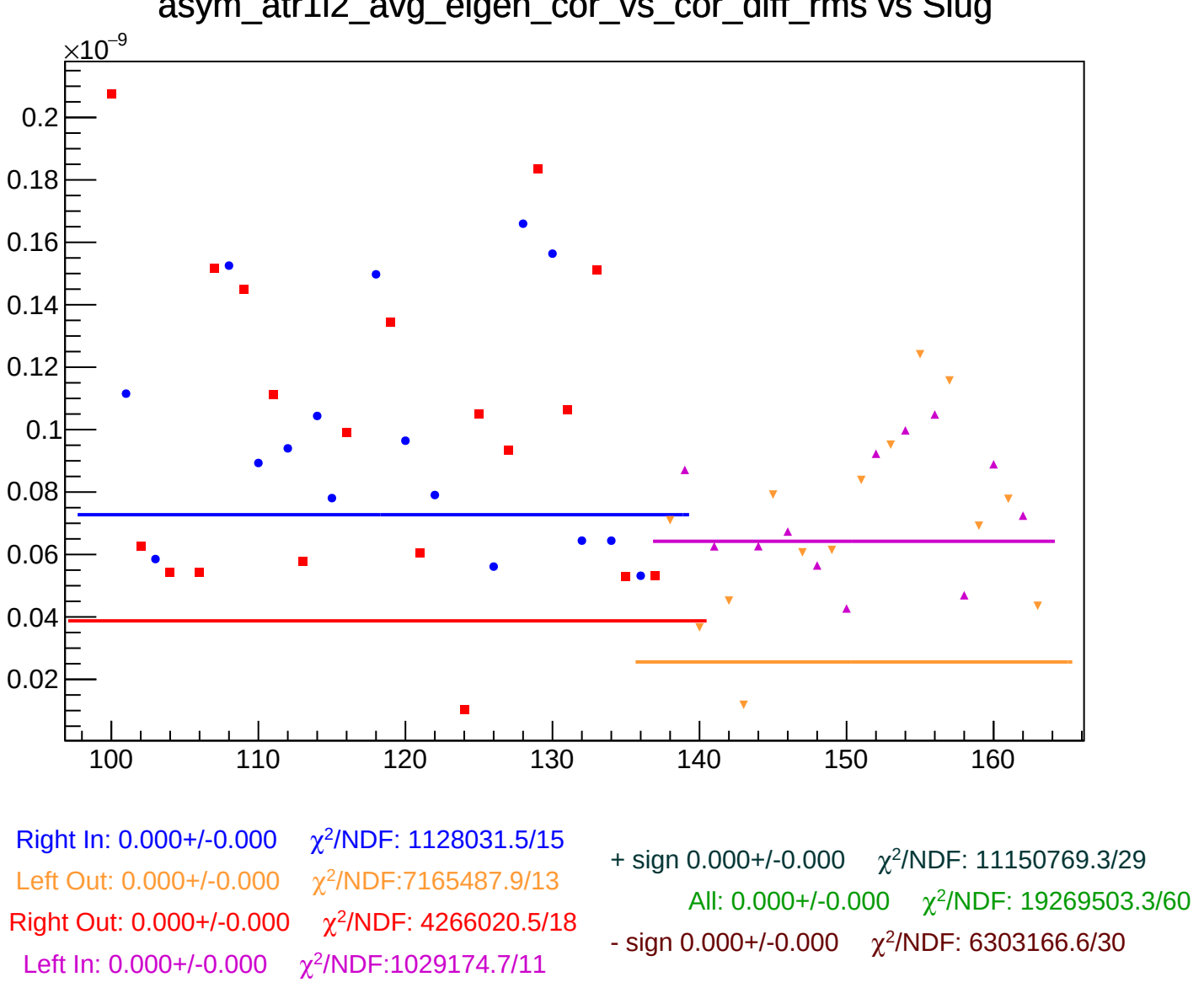
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/11

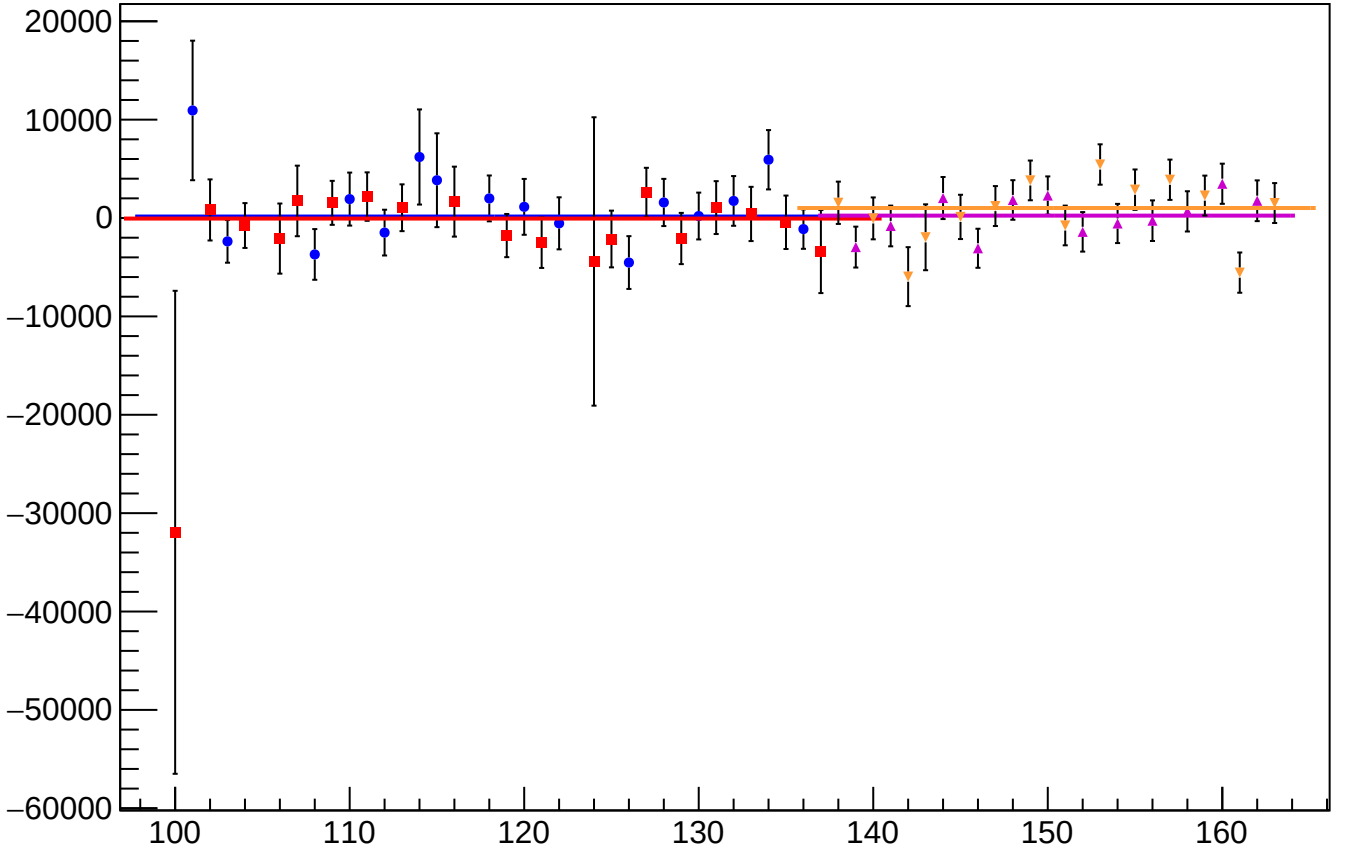
+ sign -0.000+/-0.000 χ^2/NDF: 23.3/29

All: 0.000+/-0.000 χ^2/NDF: 70.2/60

- sign 0.000+/-0.000 χ^2/NDF: 43.4/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7165487.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:1029174.7/11
+ sign 0.000+/-0.000 χ²/NDF: 11150769.3/29
All: 0.000+/-0.000 χ²/NDF: 19269503.3/60
- sign 0.000+/-0.000 χ²/NDF: 6303166.6/30

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1018.339+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

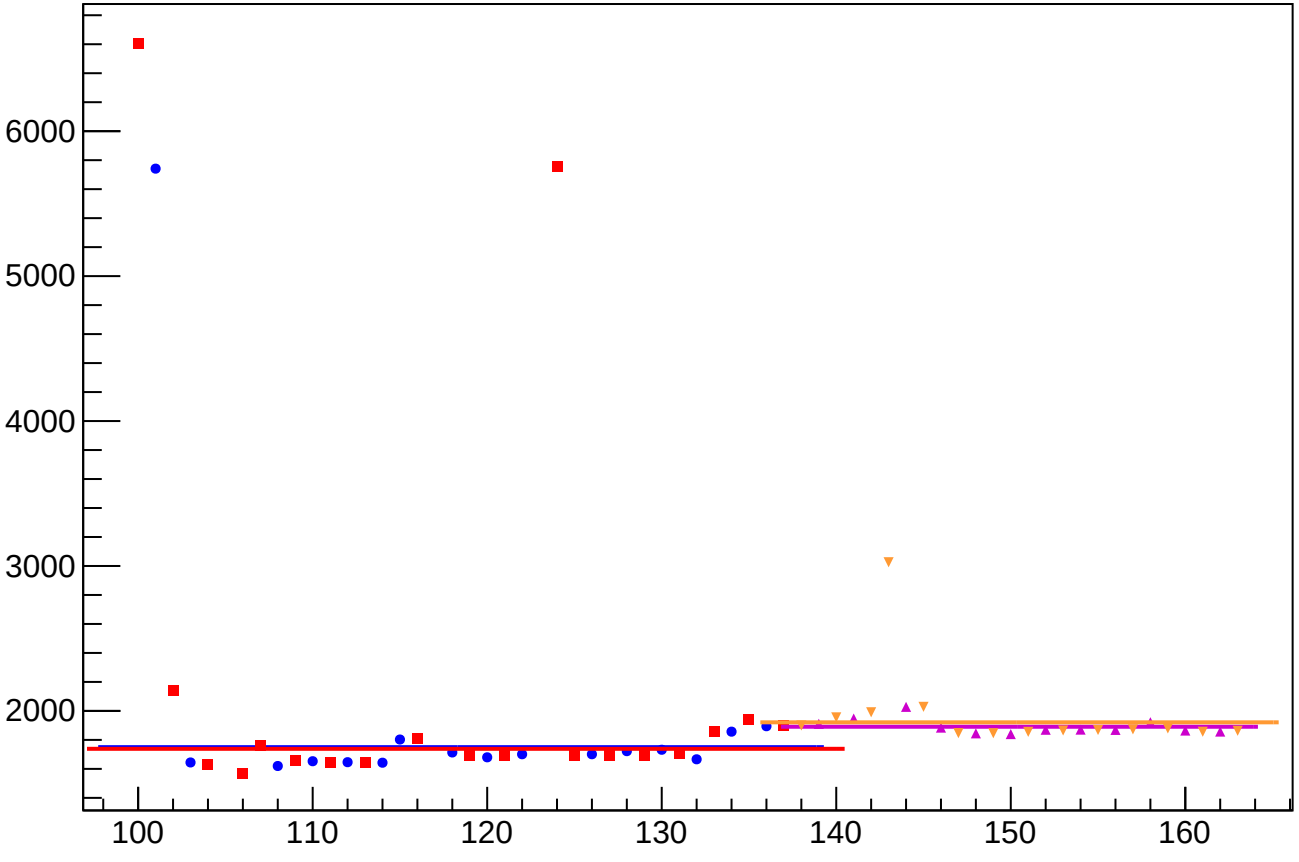
Left In: 244.315+/-587.566 χ^2/NDF:11.8/11

+ sign 647.161+/-436.287 χ^2/NDF: 46.2/29

All: 379.953+/-308.913 χ^2/NDF: 67.9/60

- sign 111.312+/-437.455 χ^2/NDF: 20.9/30

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1921.246+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

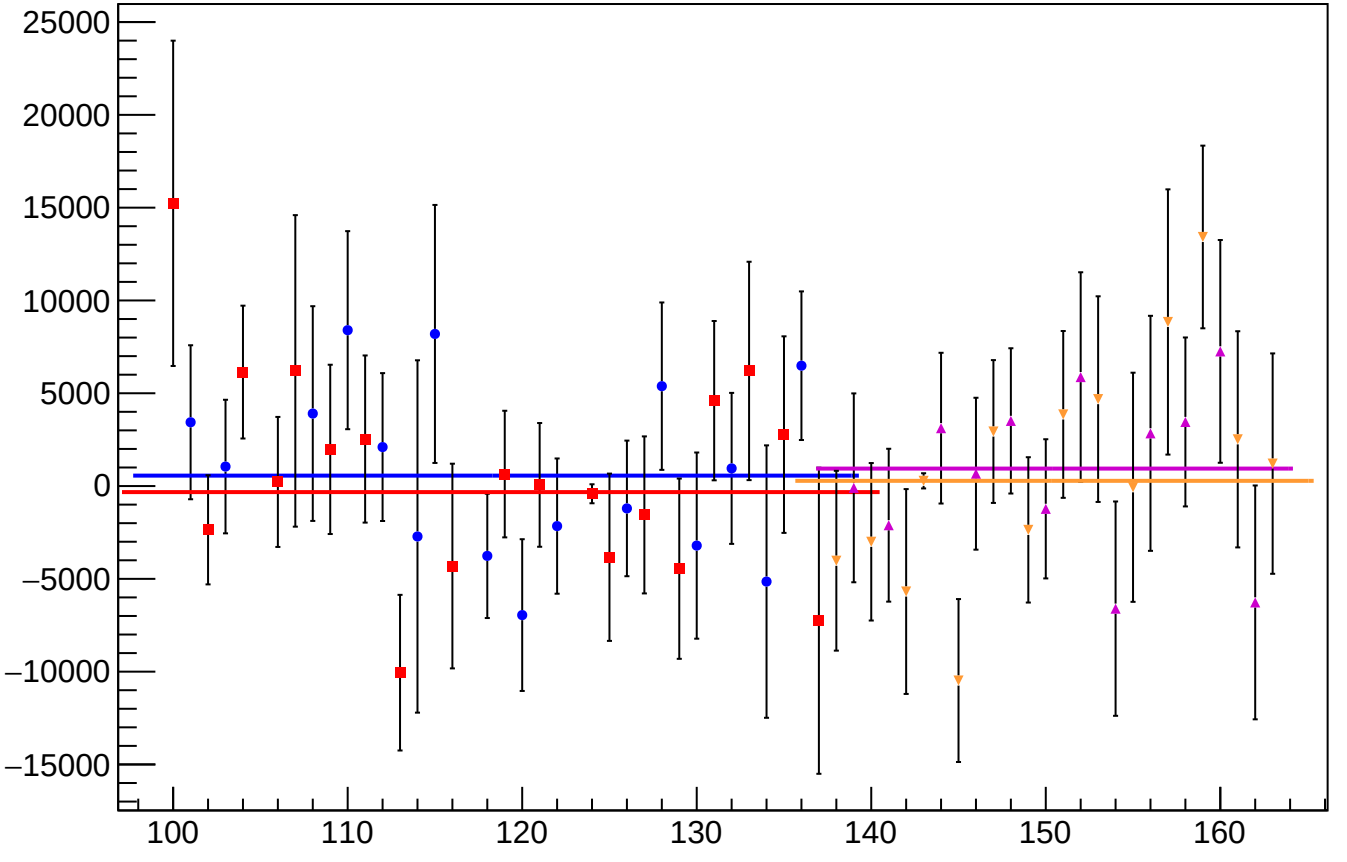
Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.3/29

All: 1835.140+/-0.218 χ^2/NDF: 1367615.2/60

- sign 1822.370+/-0.308 χ^2/NDF: 379164.2/30

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 281.255+/-391.693 χ^2/NDF:19.5/13

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

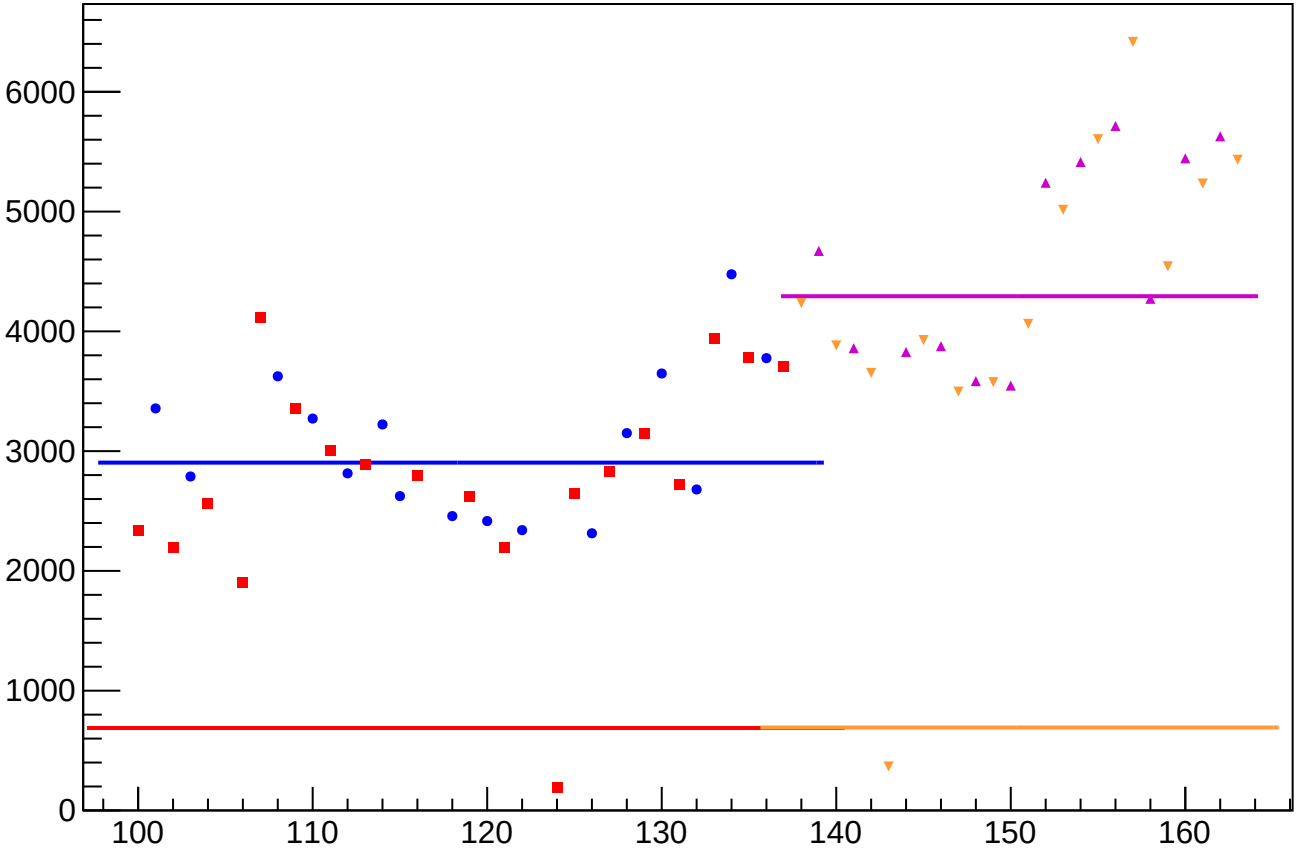
Left In: 941.212+/-1358.444 χ^2/NDF:6.9/11

+ sign 312.826+/-369.041 χ^2/NDF: 34.4/29

All: 99.154+/-281.129 χ^2/NDF: 62.1/60

- sign -196.295+/-433.953 χ^2/NDF: 26.9/30

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 692.583+/-0.277 χ^2/NDF:15884071.5/13

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

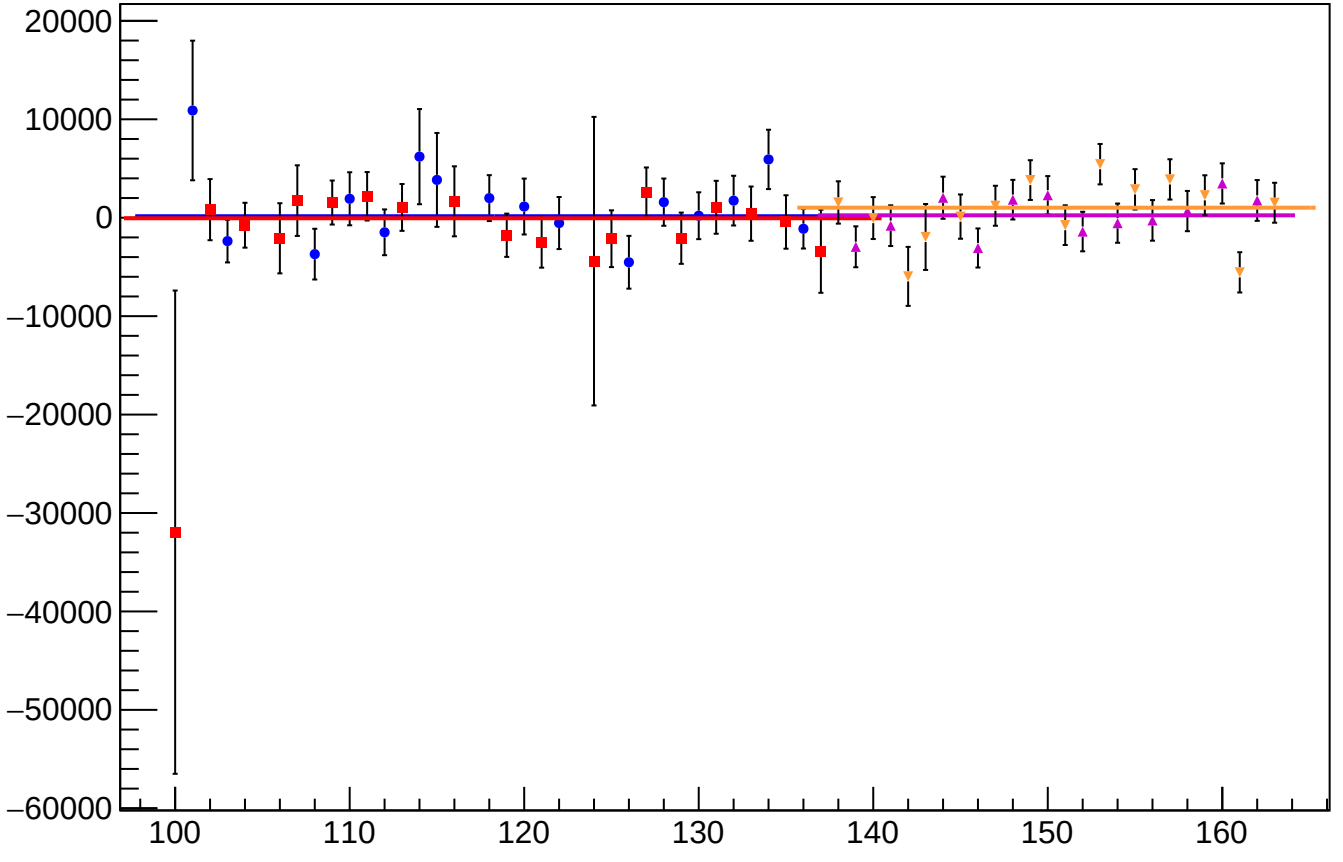
Left In: 4293.288+/-0.961 χ^2/NDF:620977.8/11

+ sign 940.970+/-0.261 χ^2/NDF: 23524443.6/29

All: 989.330+/-0.199 χ^2/NDF: 47023621.4/60

- sign 1056.197+/-0.307 χ^2/NDF: 23417347.4/30

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

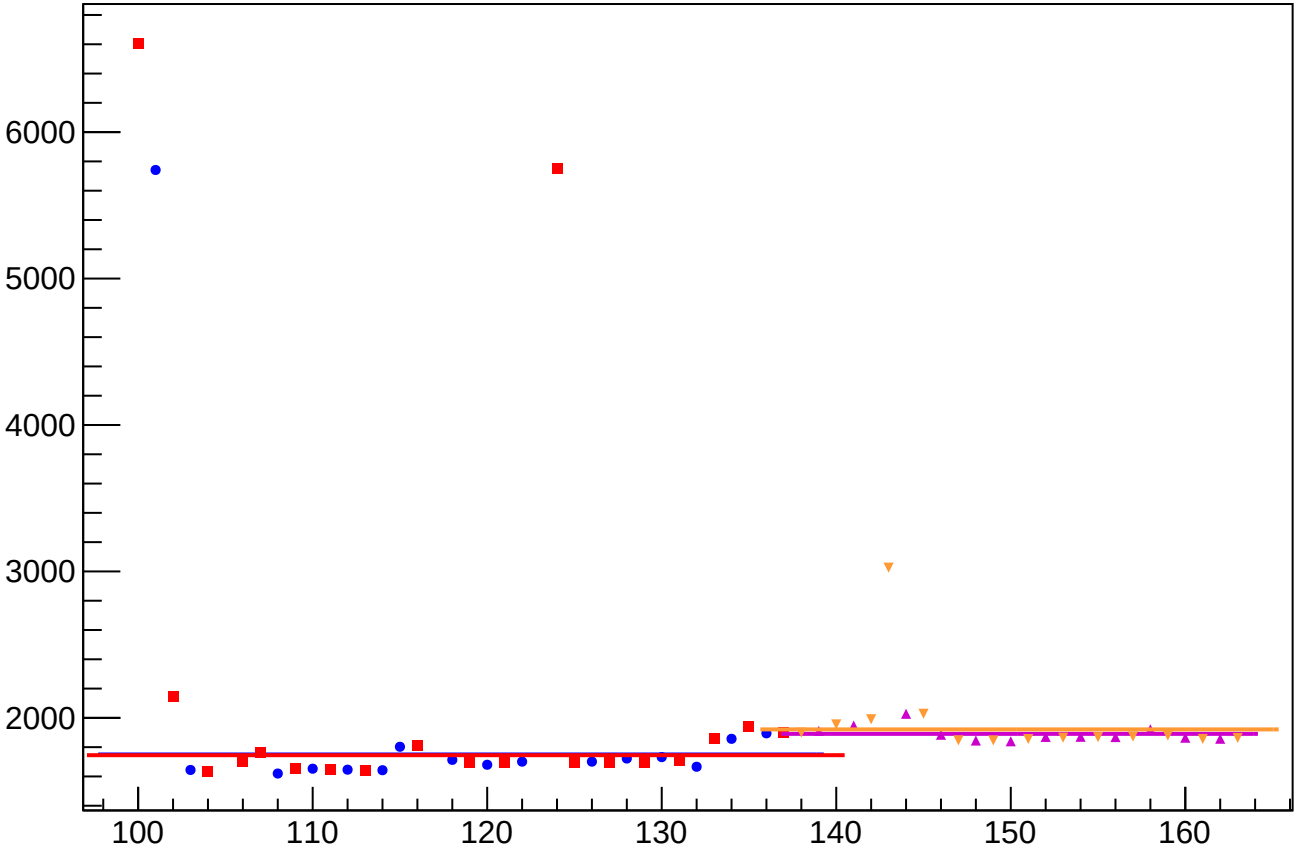
Left In: 244.303+/-587.566 χ^2/NDF:11.8/11

+ sign 646.938+/-436.287 χ^2/NDF: 46.2/29

All: 379.826+/-308.914 χ^2/NDF: 67.9/60

- sign 111.282+/-437.455 χ^2/NDF: 20.9/30

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

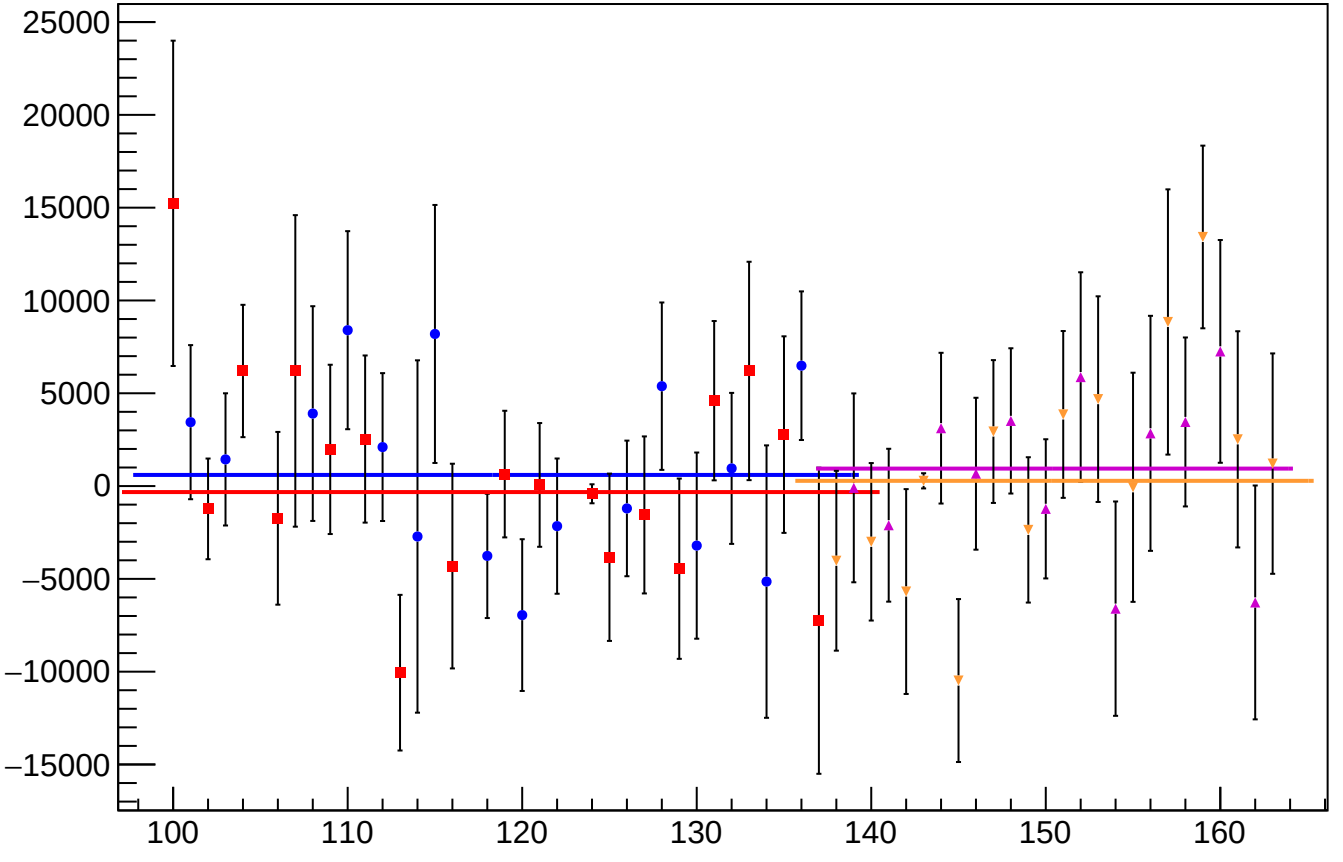
Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.8/29

All: 1836.794+/-0.218 χ^2/NDF: 1354862.9/60

- sign 1825.638+/-0.309 χ^2/NDF: 367237.9/30

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

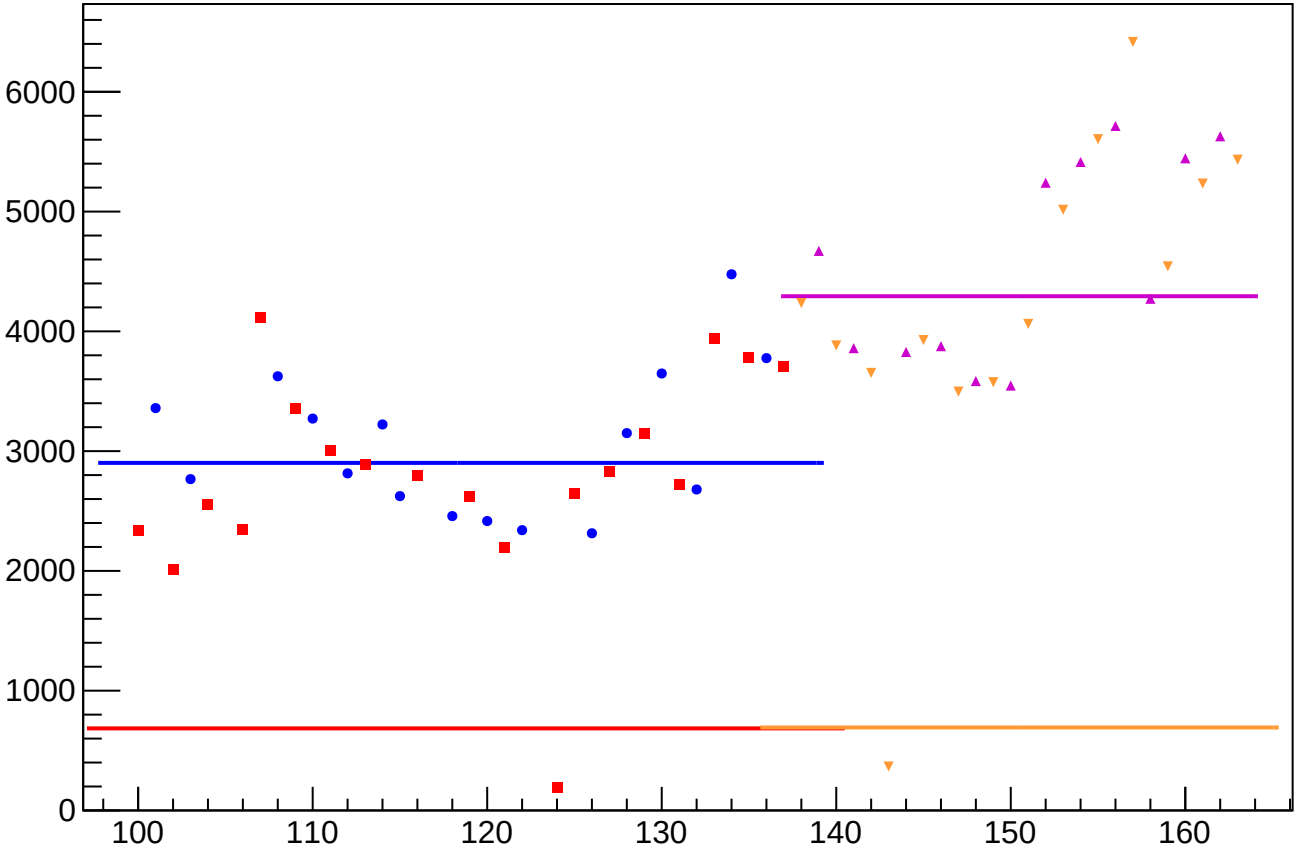
Left In: 941.287+/-1358.441 χ^2/NDF:6.9/11

+ sign 317.999+/-369.029 χ^2/NDF: 34.4/29

All: 103.714+/-281.335 χ^2/NDF: 62.0/60

- sign -193.666+/-434.731 χ^2/NDF: 26.7/30

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

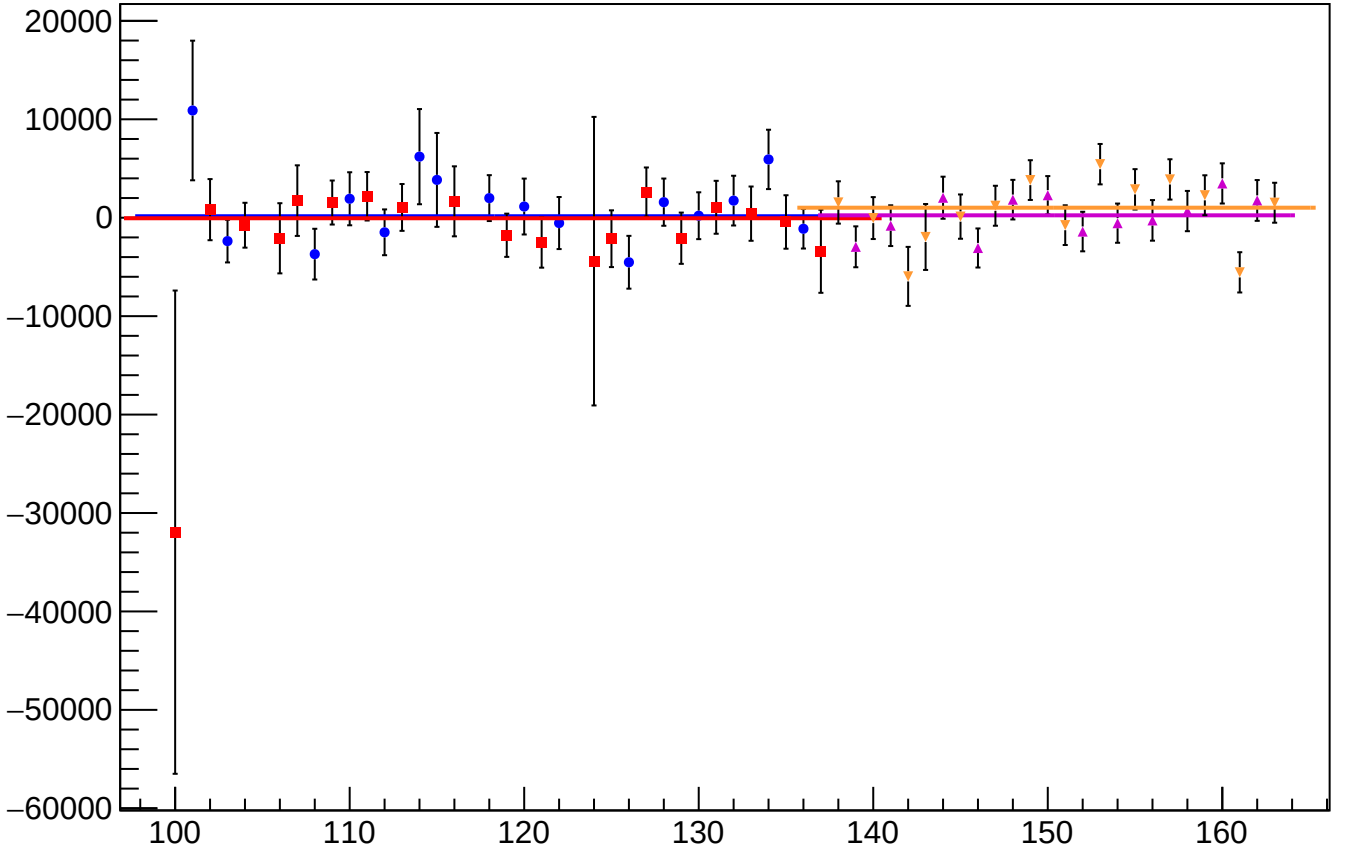
Left In: 4293.280+/-0.961 χ^2/NDF:620990.1/11

+ sign 941.255+/-0.261 χ^2/NDF: 23522075.3/29

All: 988.795+/-0.199 χ^2/NDF: 46991880.6/60

- sign 1054.769+/-0.307 χ^2/NDF: 23390553.4/30

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

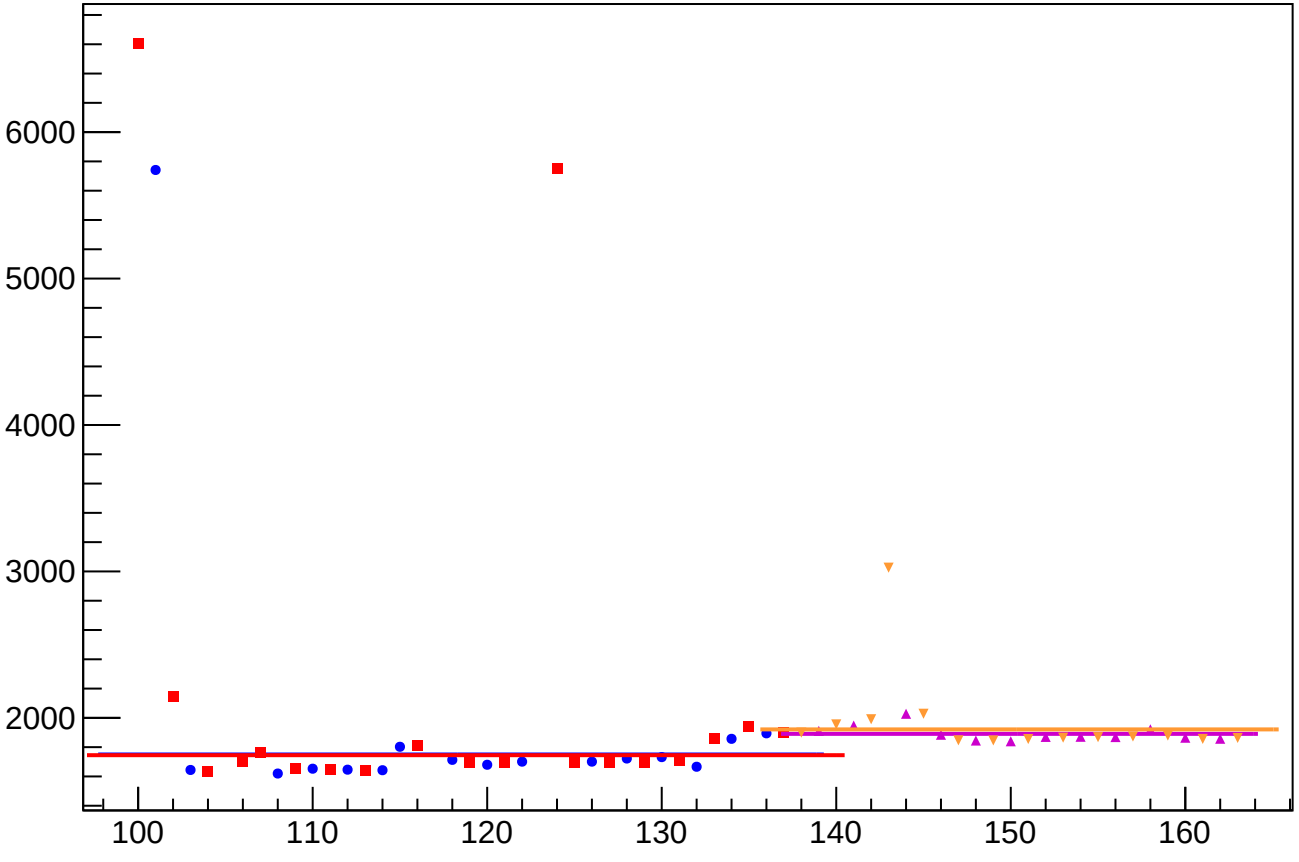
Left In: 244.303+/-587.566 χ^2/NDF:11.8/11

+ sign 646.938+/-436.287 χ^2/NDF: 46.2/29

All: 379.826+/-308.914 χ^2/NDF: 67.9/60

- sign 111.282+/-437.455 χ^2/NDF: 20.9/30

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

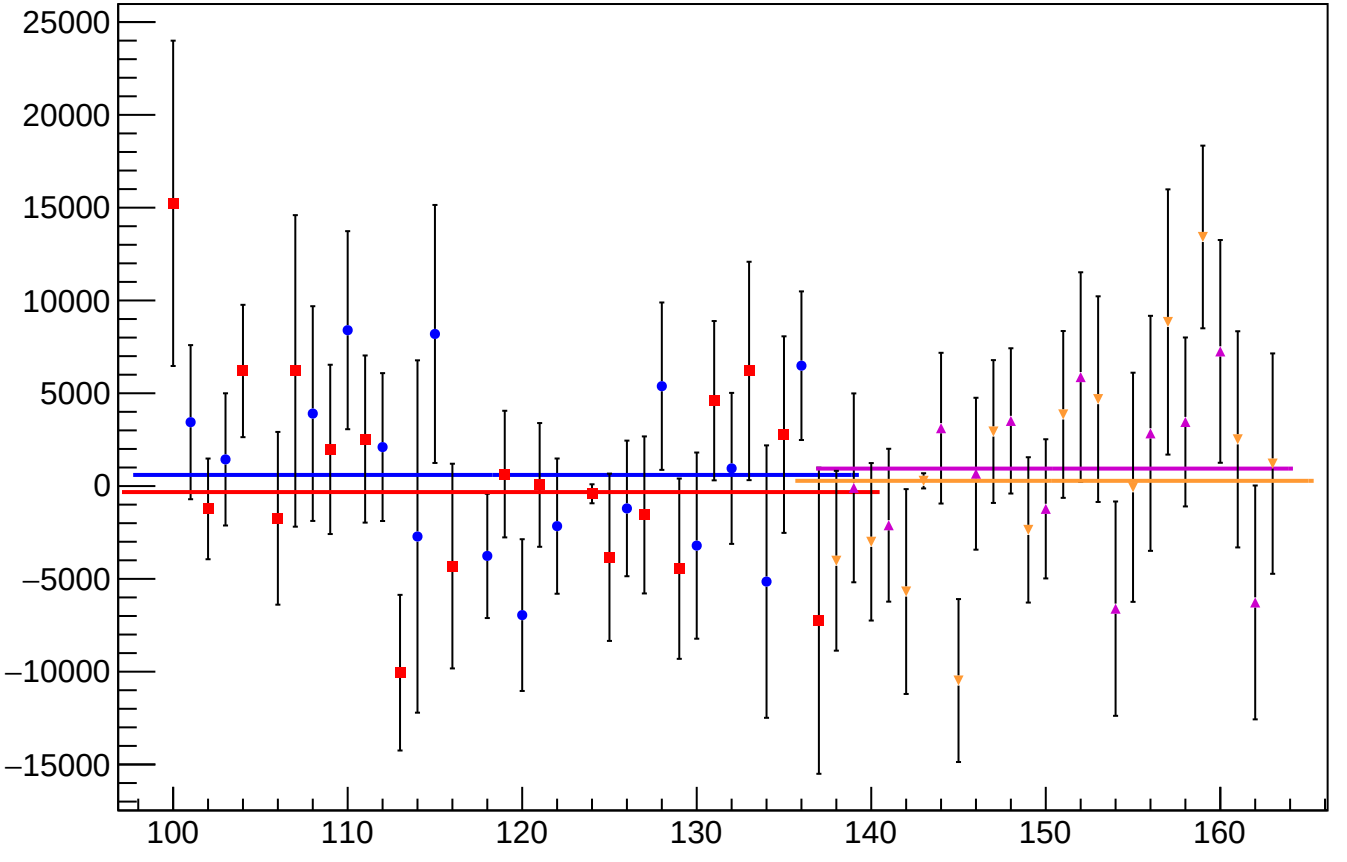
Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

+ sign 1847.927+/-0.309 χ^2/NDF: 985017.8/29

All: 1836.794+/-0.218 χ^2/NDF: 1354862.9/60

- sign 1825.638+/-0.309 χ^2/NDF: 367237.9/30

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

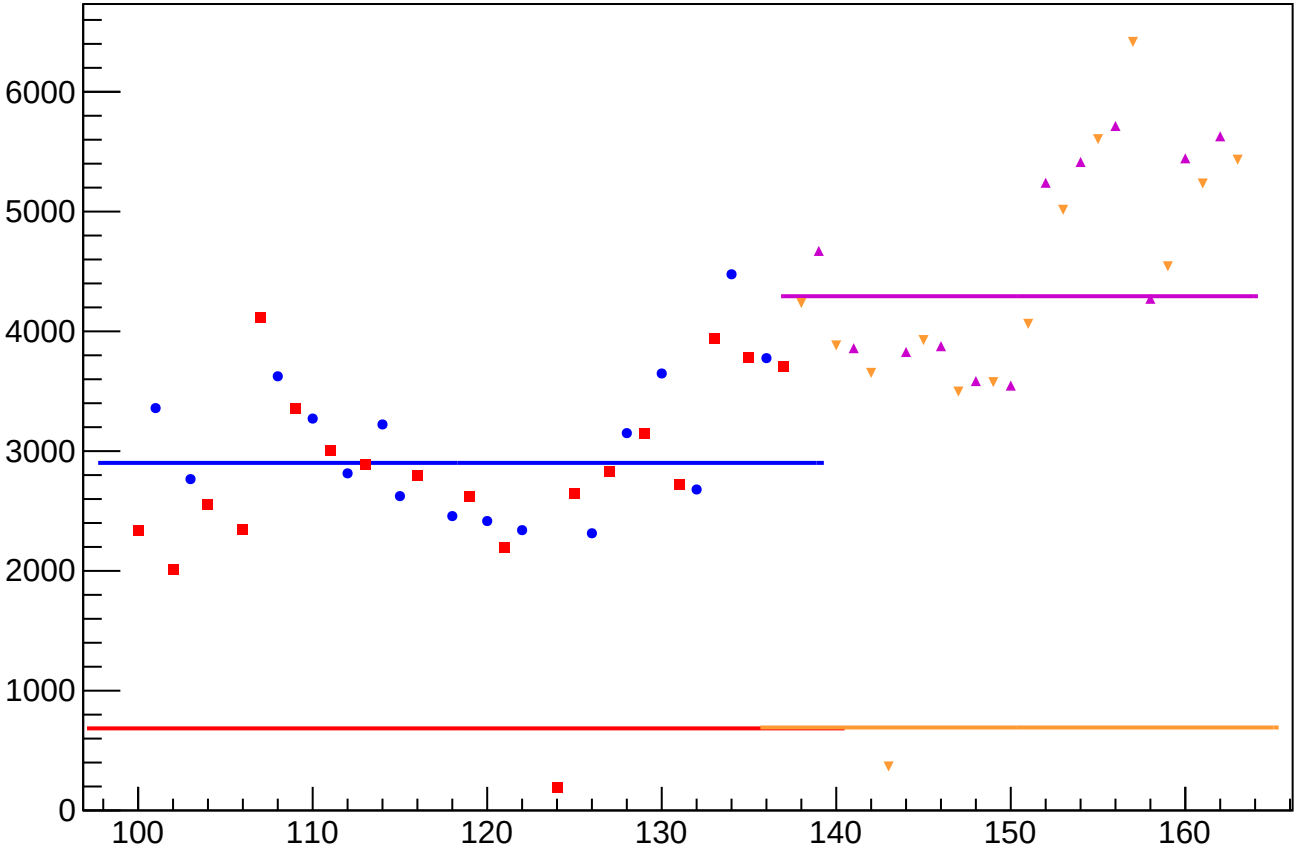
Left In: 941.287+/-1358.441 χ^2/NDF:6.9/11

\+ sign 317.999+/-369.029 χ^2/NDF: 34.4/29

All: 103.714+/-281.335 χ^2/NDF: 62.0/60

\- sign -193.666+/-434.731 χ^2/NDF: 26.7/30

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

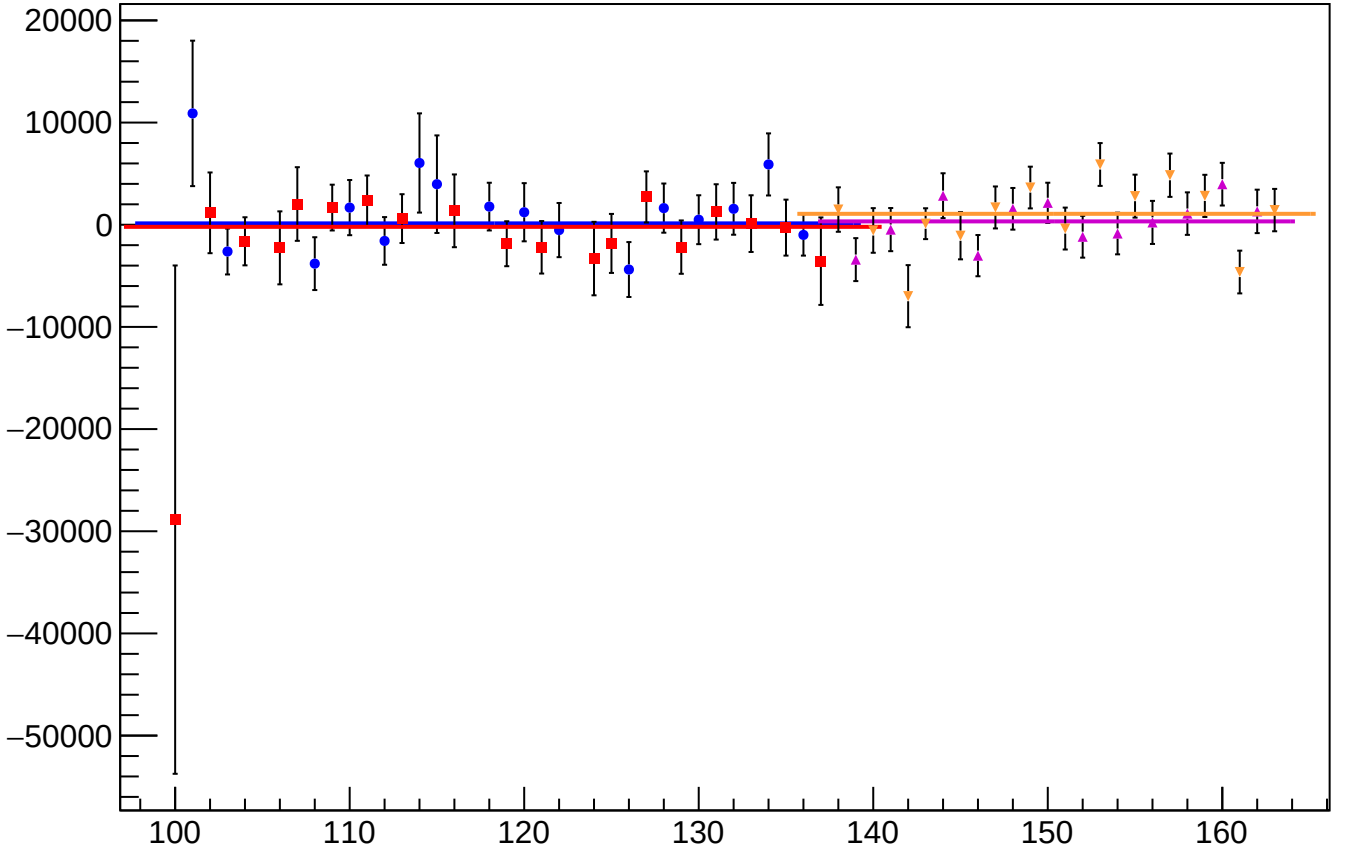
Left In: 4293.280+/-0.961 χ^2/NDF:620990.1/11

+ sign 941.255+/-0.261 χ^2/NDF: 23522075.3/29

All: 988.795+/-0.199 χ^2/NDF: 46991880.6/60

- sign 1054.769+/-0.307 χ^2/NDF: 23390553.4/30

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.998+/-555.365 χ^2/NDF:28.4/13

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

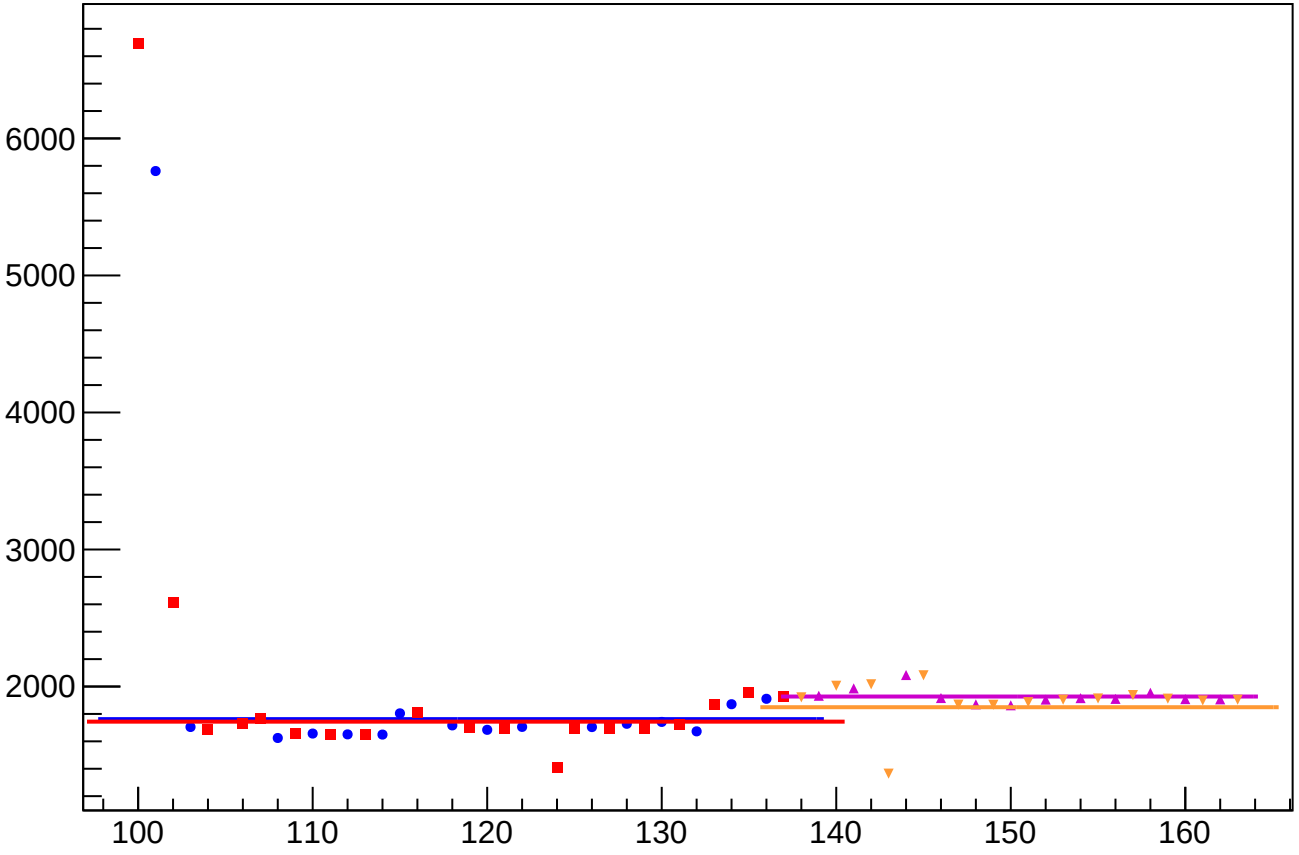
Left In: 327.427+/-598.888 χ^2/NDF:12.9/11

+ sign 689.235+/-427.994 χ^2/NDF: 46.8/29

All: 396.511+/-307.407 χ^2/NDF: 70.7/60

- sign 84.575+/-441.816 χ^2/NDF: 22.9/30

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.074+/-0.393 χ^2/NDF:257077.3/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

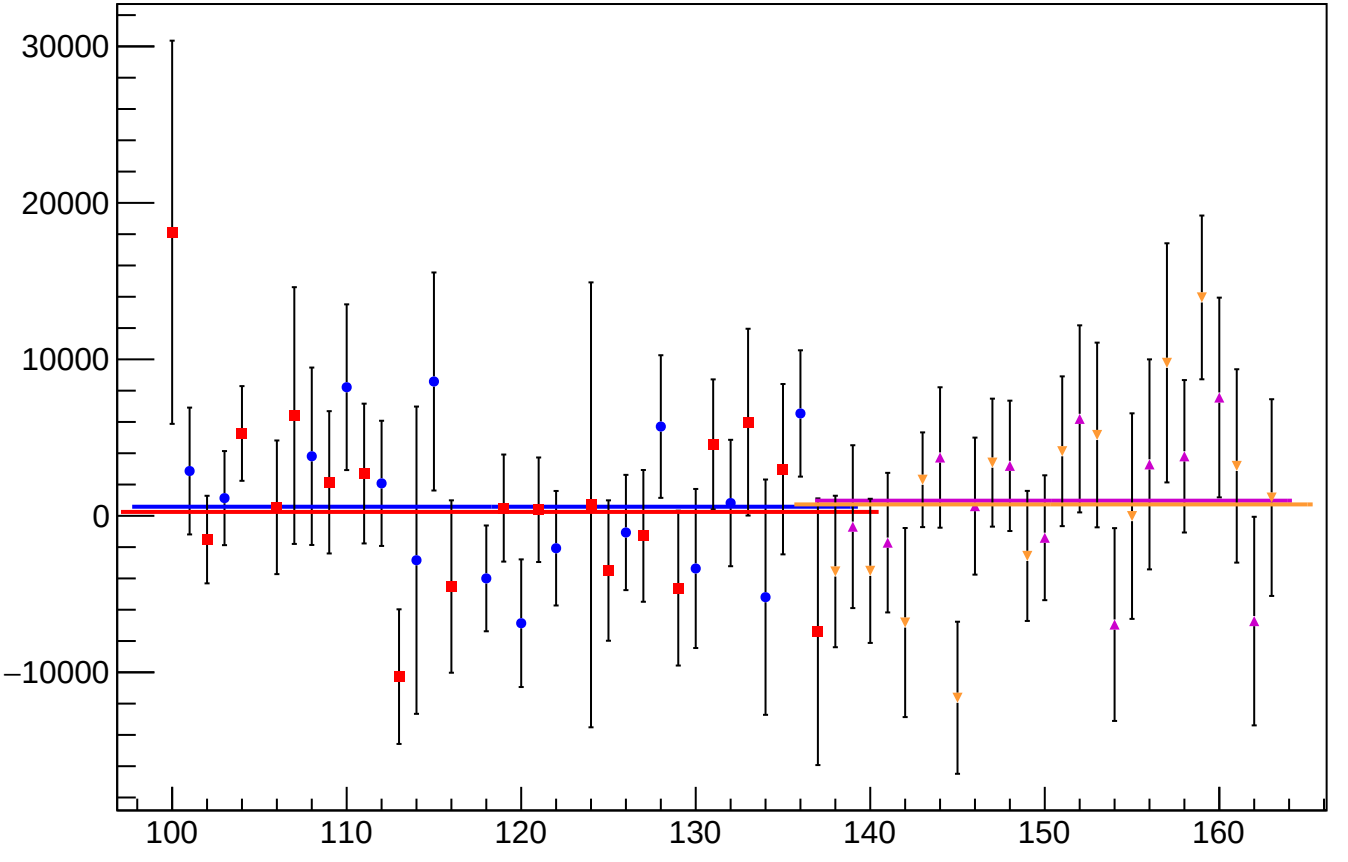
Left In: 1927.067+/-0.423 χ^2/NDF:16681.6/11

+ sign 1813.735+/-0.303 χ^2/NDF: 944715.4/29

All: 1828.040+/-0.217 χ^2/NDF: 1279465.7/60

- sign 1843.244+/-0.312 χ^2/NDF: 330141.4/30

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 730.086+/-1305.148 χ^2/NDF:20.0/13

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

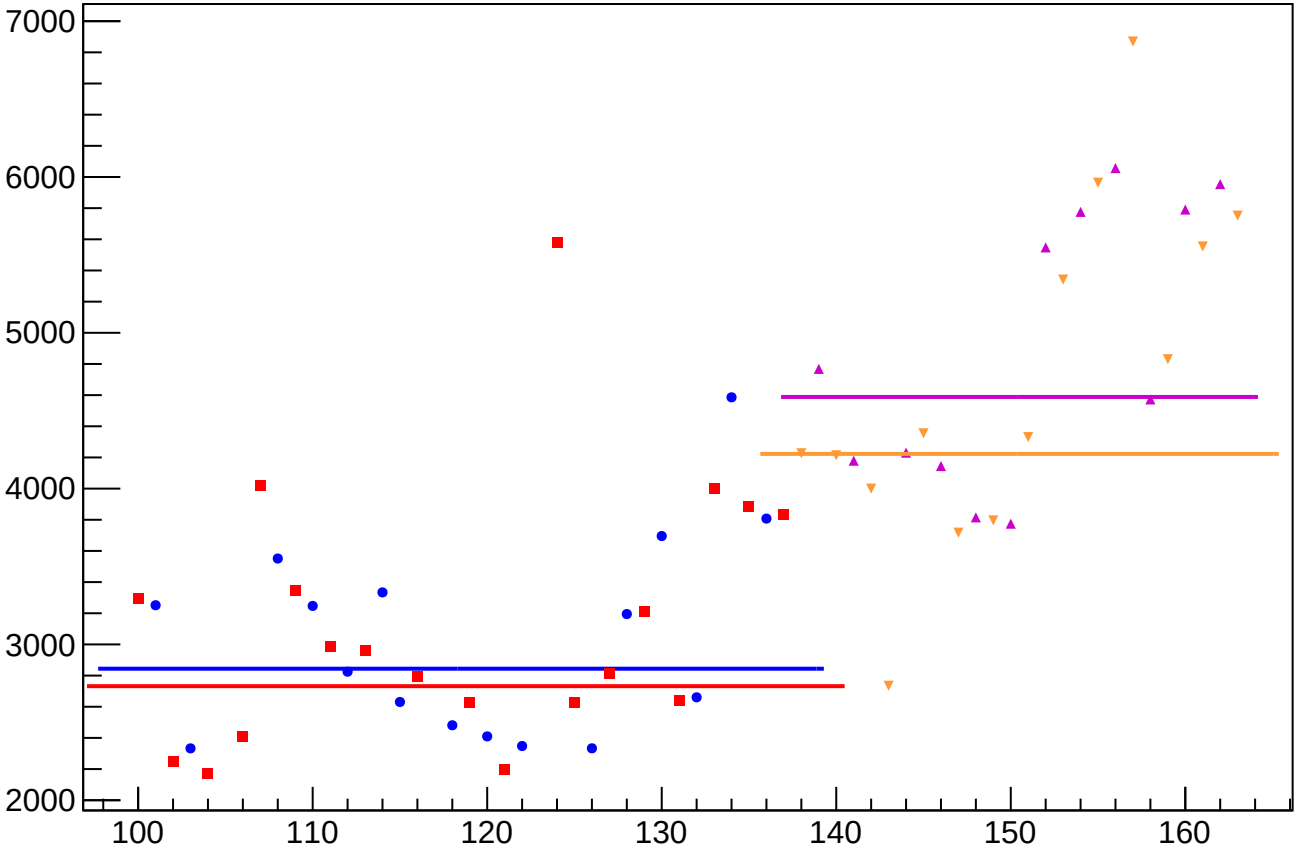
Left In: 968.446+/-1450.619 χ^2/NDF:6.8/11

+ sign 642.418+/-832.741 χ^2/NDF: 34.9/29

All: 565.491+/-589.611 χ^2/NDF: 59.8/60

- sign 488.158+/-834.935 χ^2/NDF: 24.8/30

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4223.010+/-0.923 χ^2/NDF:1230732.9/13

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

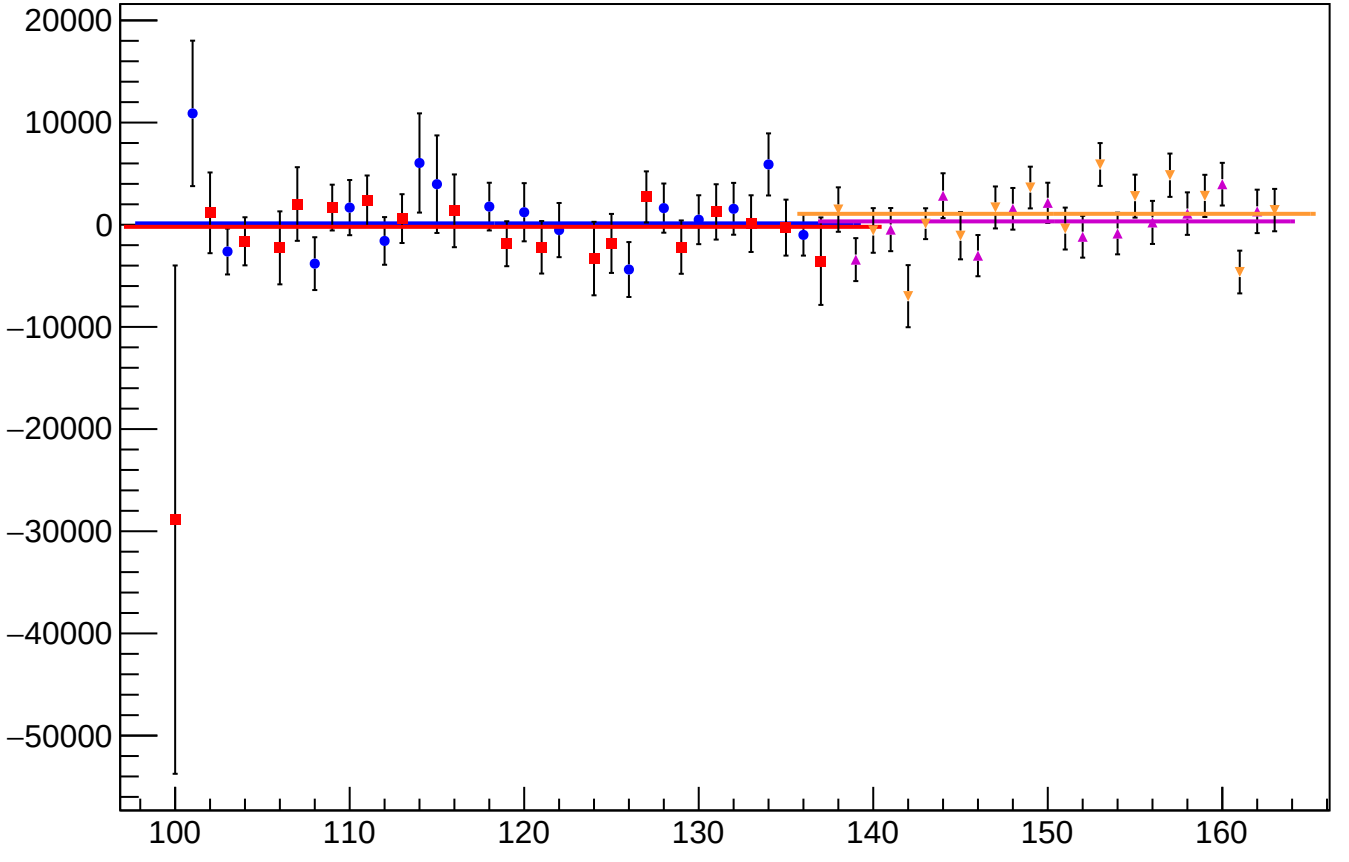
Left In: 4588.250+/-1.026 χ^2/NDF:581150.6/11

\+ sign 3405.485+/-0.589 χ^2/NDF: 3096287.8/29

All: 3376.283+/-0.417 χ^2/NDF: 6483673.4/60

\- sign 3346.928+/-0.590 χ^2/NDF: 3382453.9/30

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.999+/-555.365 χ^2/NDF:28.4/13

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

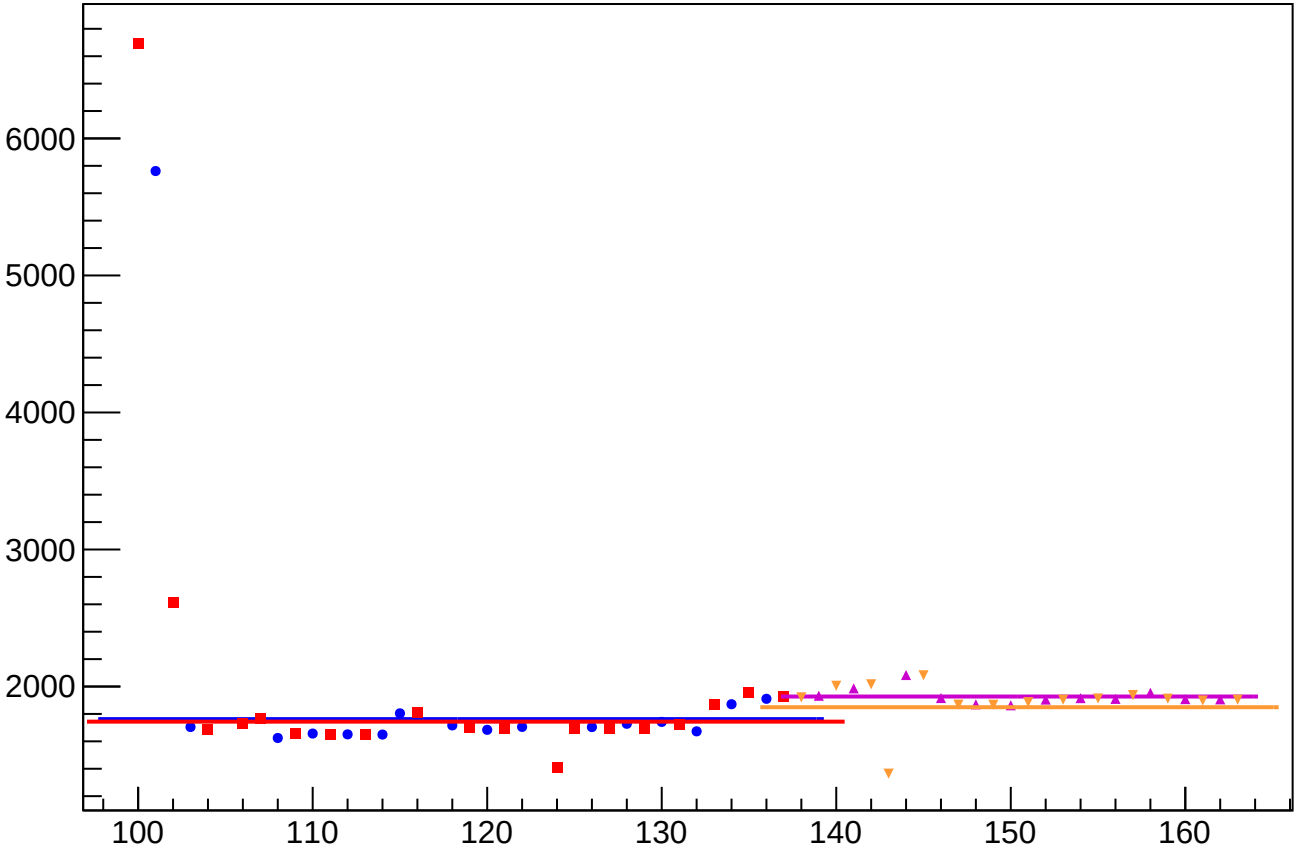
Left In: 327.429+/-598.889 χ^2/NDF:12.9/11

+ sign 689.235+/-427.994 χ^2/NDF: 46.8/29

All: 396.512+/-307.408 χ^2/NDF: 70.7/60

- sign 84.576+/-441.816 χ^2/NDF: 22.9/30

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.075+/-0.393 χ^2/NDF:257078.5/13

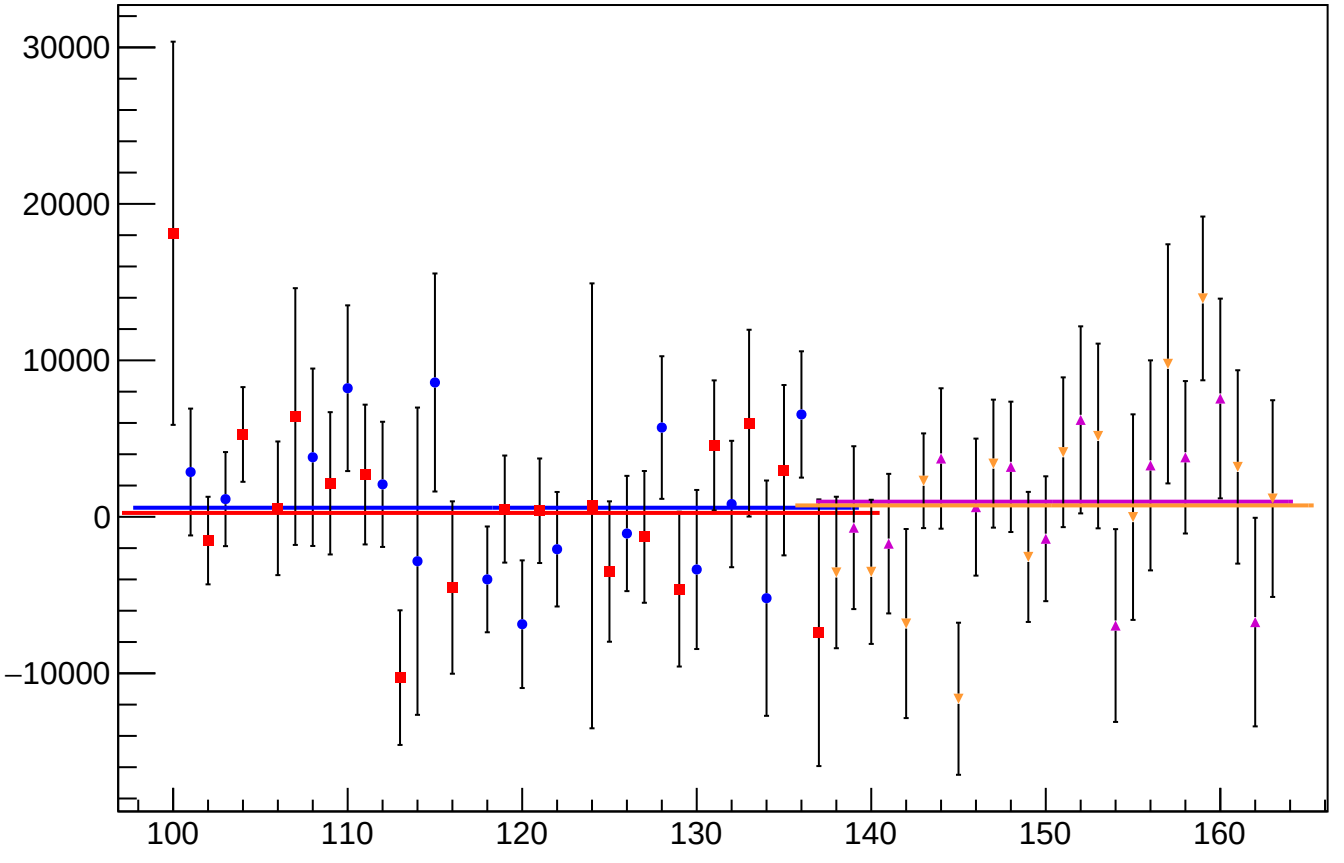
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1927.068+/-0.423 χ^2/NDF:16681.8/11

+ sign 1813.735+/-0.303 χ^2/NDF: 944717.1/29

All: 1828.040+/-0.217 χ^2/NDF: 1279468.5/60

- sign 1843.244+/-0.312 χ^2/NDF: 330142.6/30



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 730.090+/-1305.149 χ^2/NDF:20.0/13

Right Out: 250.225+/-1021.010 χ^2/NDF: 17.9/18

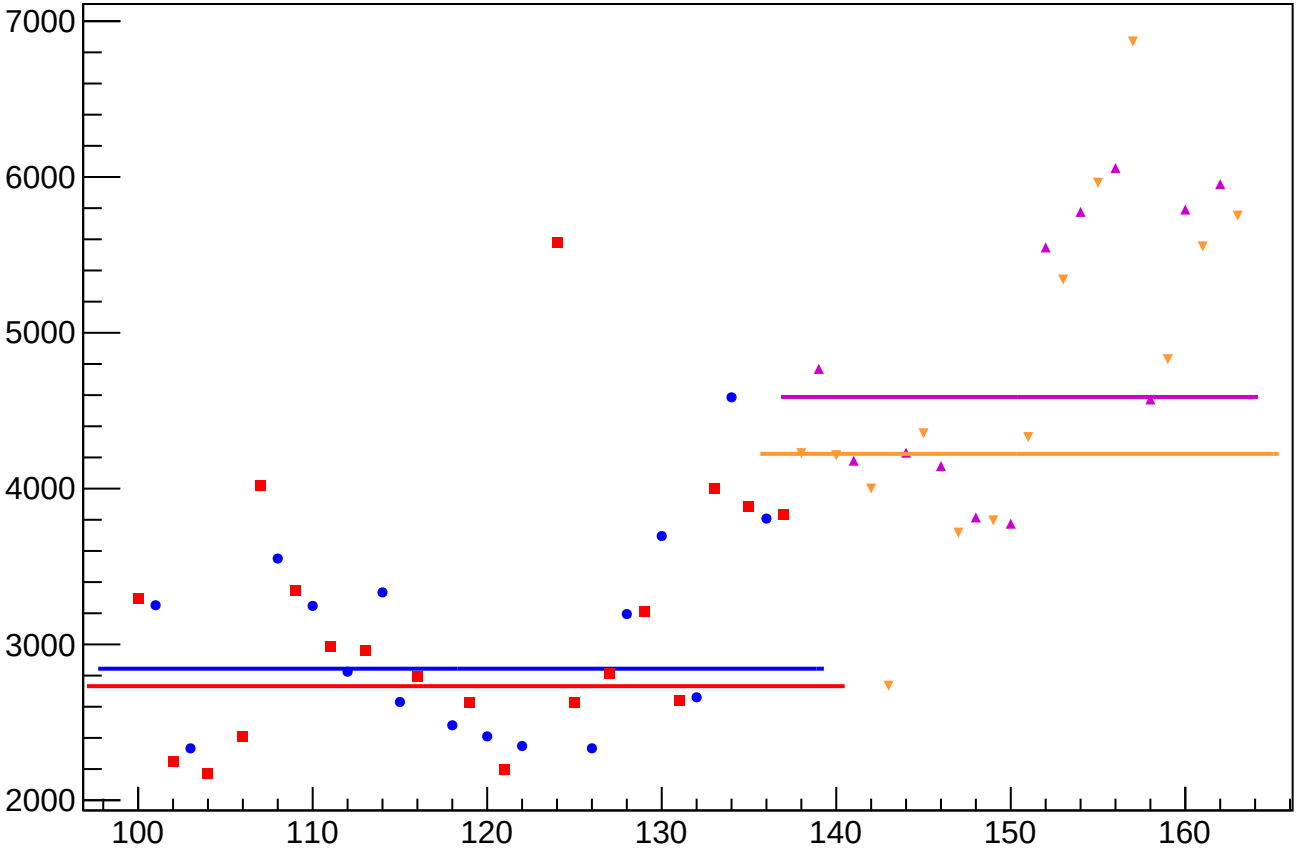
Left In: 968.447+/-1450.621 χ^2/NDF:6.8/11

+ sign 642.417+/-832.740 χ^2/NDF: 34.9/29

All: 565.490+/-589.610 χ^2/NDF: 59.8/60

- sign 488.158+/-834.934 χ^2/NDF: 24.8/30

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4223.014+/-0.923 χ^2/NDF:1230738.4/13

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

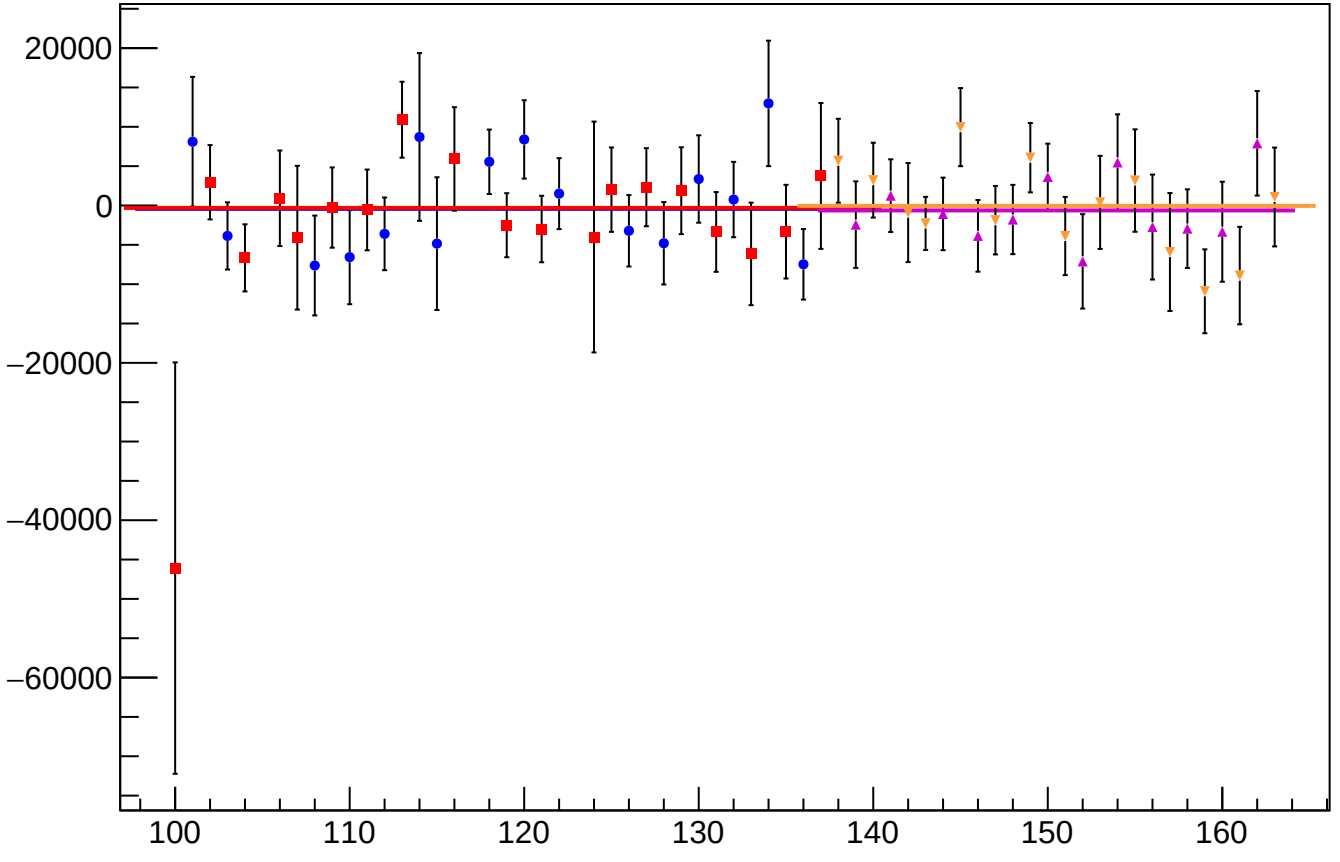
Left In: 4588.256+/-1.026 χ^2/NDF:581153.0/11

\+ sign 3405.479+/-0.589 χ^2/NDF: 3096321.3/29

All: 3376.278+/-0.417 χ^2/NDF: 6483733.0/60

\- sign 3346.923+/-0.590 χ^2/NDF: 3382480.2/30

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -49.290+/-1368.354 χ^2/NDF:15.9/13

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

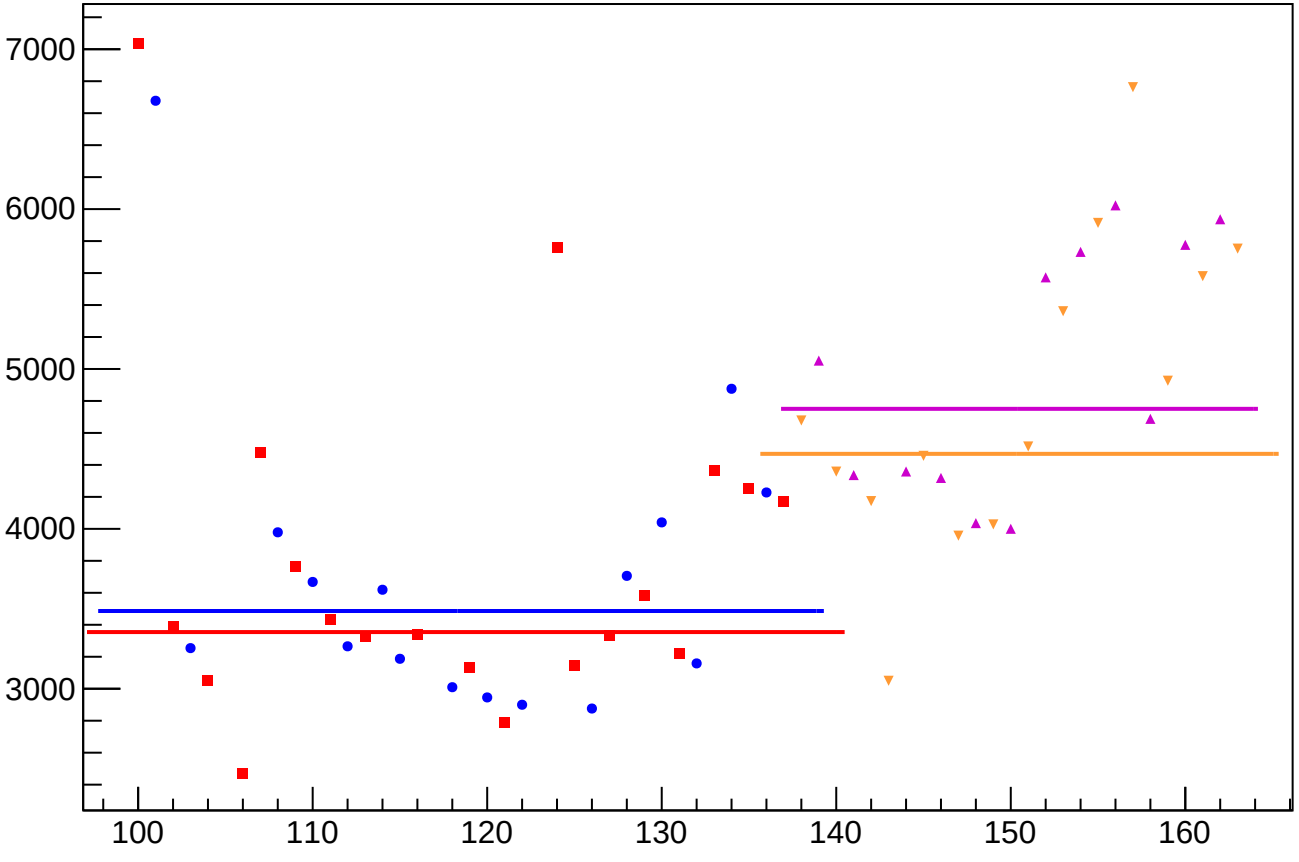
Left In: -627.453+/-1495.366 χ^2/NDF:6.2/11

+ sign -241.908+/-952.711 χ^2/NDF: 33.9/29

All: -340.327+/-679.880 χ^2/NDF: 55.4/60

- sign -442.461+/-970.527 χ^2/NDF: 21.5/30

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4469.134+/-0.968 χ^2/NDF:903663.0/13

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

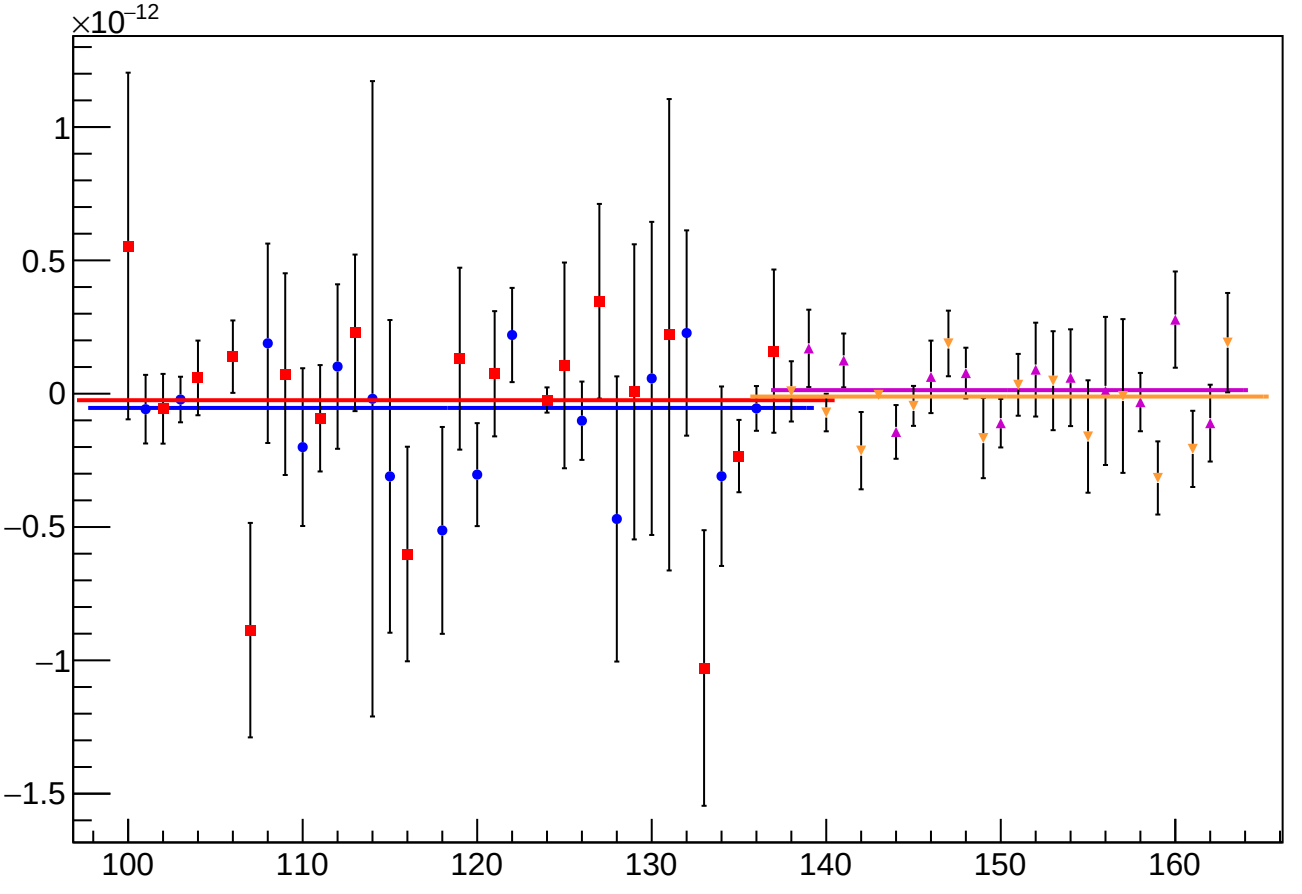
Left In: 4750.707+/-1.057 χ^2/NDF:448424.9/11

+ sign 3962.667+/-0.674 χ^2/NDF: 2031222.5/29

All: 3948.010+/-0.479 χ^2/NDF: 3878159.3/60

- sign 3933.046+/-0.681 χ^2/NDF: 1845980.2/30

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:15.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

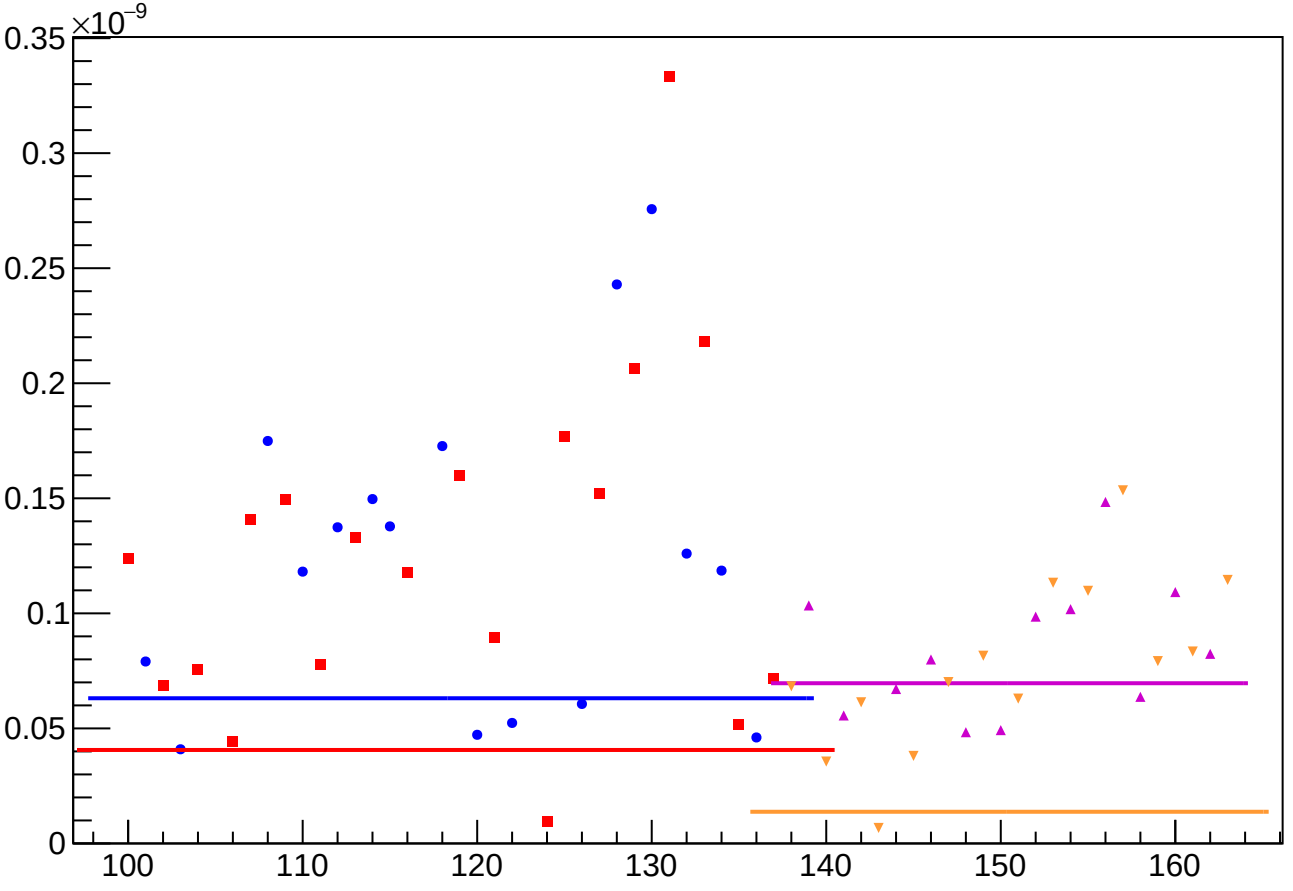
Left In: 0.000+/-0.000 χ^2/NDF:10.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/29

All: -0.000+/-0.000 χ^2/NDF: 54.6/60

- sign -0.000+/-0.000 χ^2/NDF: 29.5/30

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5836761.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

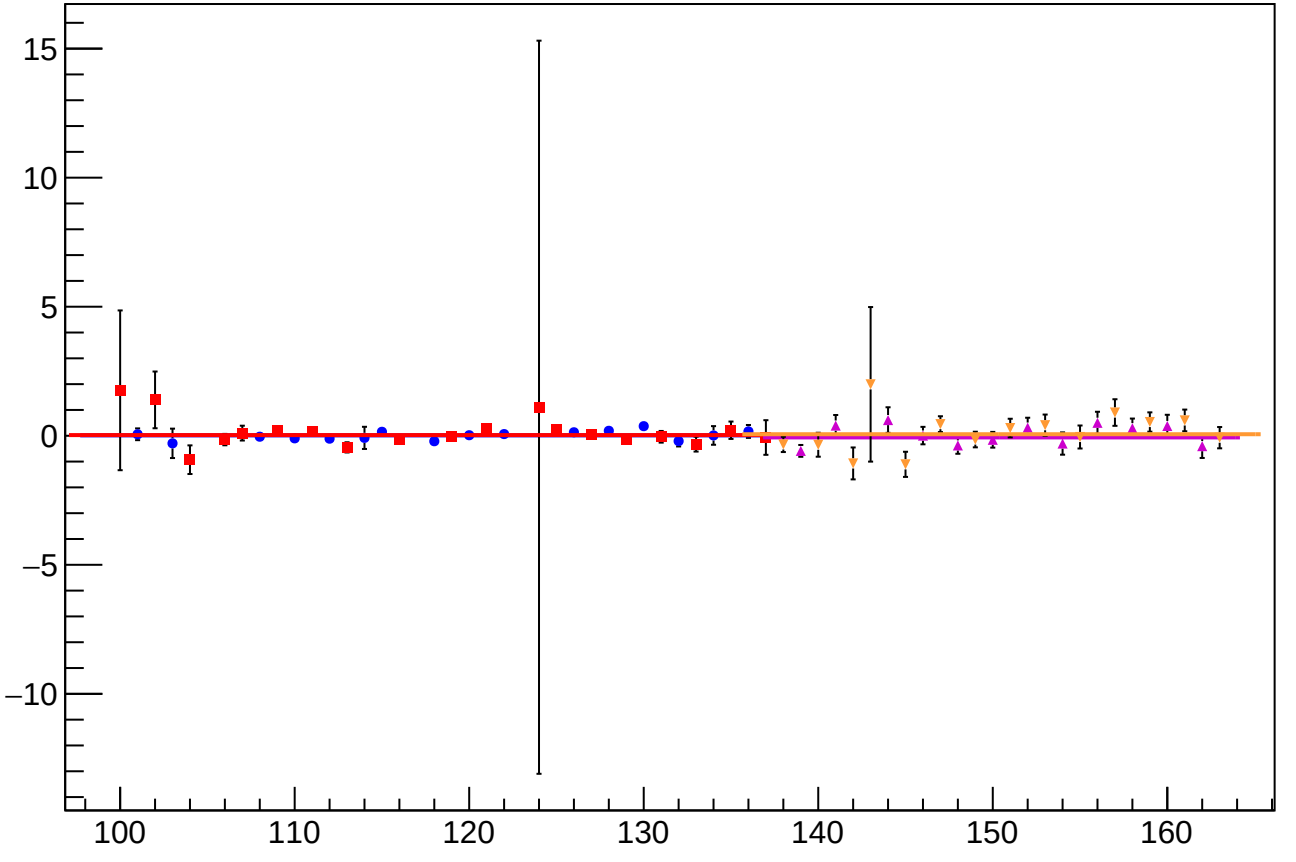
Left In: 0.000+/-0.000 χ^2/NDF:756139.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 9562199.0/29

All: 0.000+/-0.000 χ^2/NDF: 17812792.4/60

- sign 0.000+/-0.000 χ^2/NDF: 4580948.1/30

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

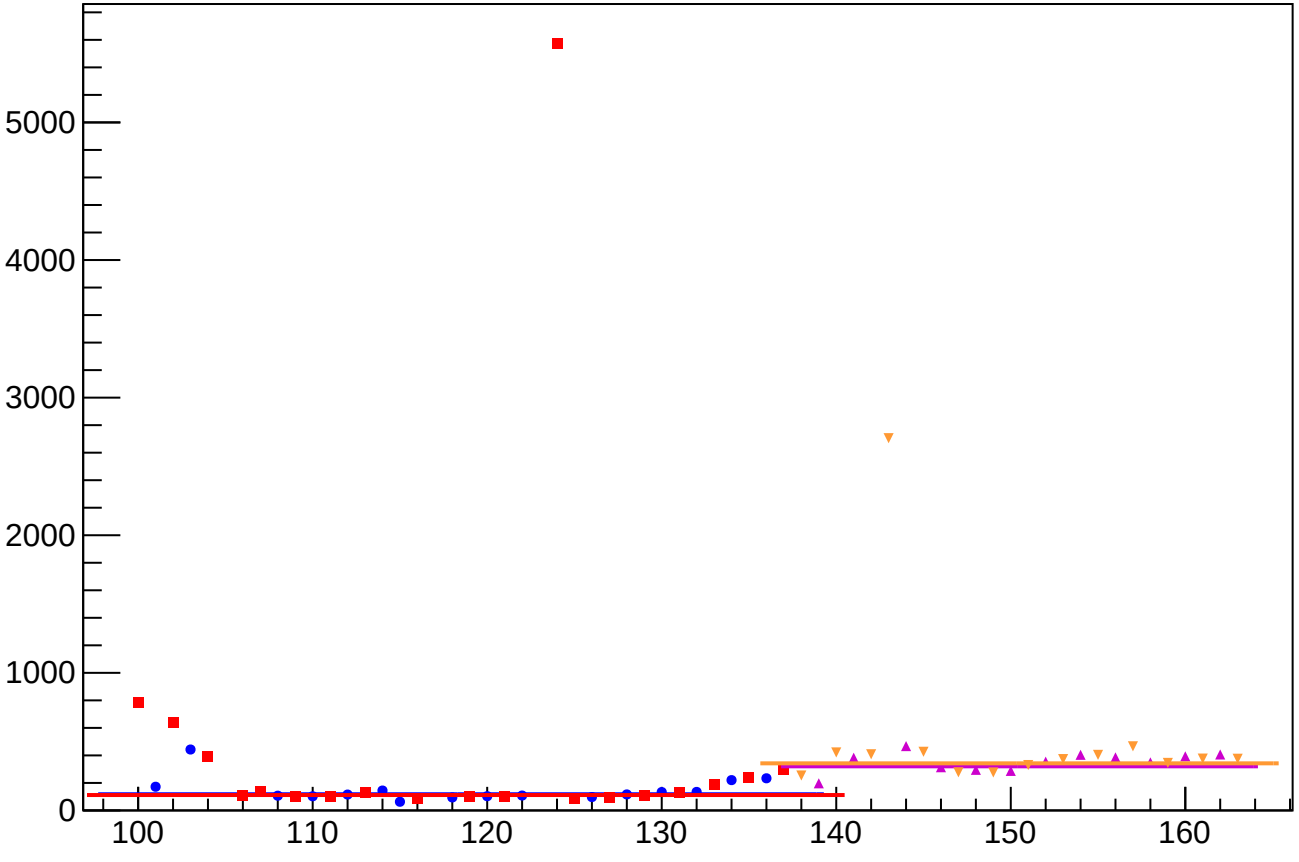
Left In: -0.065+/-0.104 χ^2/NDF:14.9/11

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.016+/-0.031 χ^2/NDF: 70.9/60

- sign 0.010+/-0.043 χ^2/NDF: 37.6/30

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

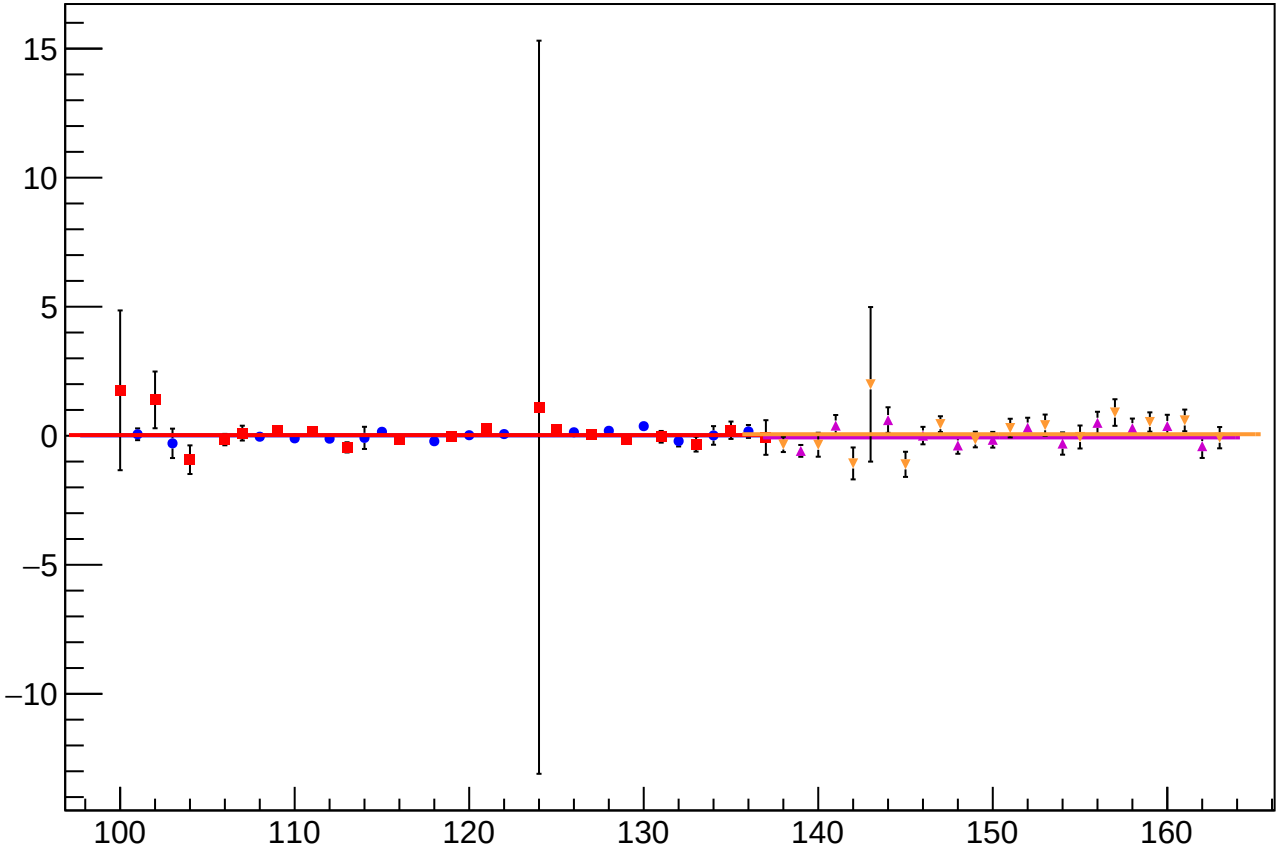
Left In: 320.715+/-0.073 χ^2/NDF:1117144.4/11

+ sign 154.582+/-0.031 χ^2/NDF: 10904503.7/29

All: 150.954+/-0.022 χ^2/NDF: 20961915.7/60

- sign 147.506+/-0.030 χ^2/NDF: 10030631.8/30

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

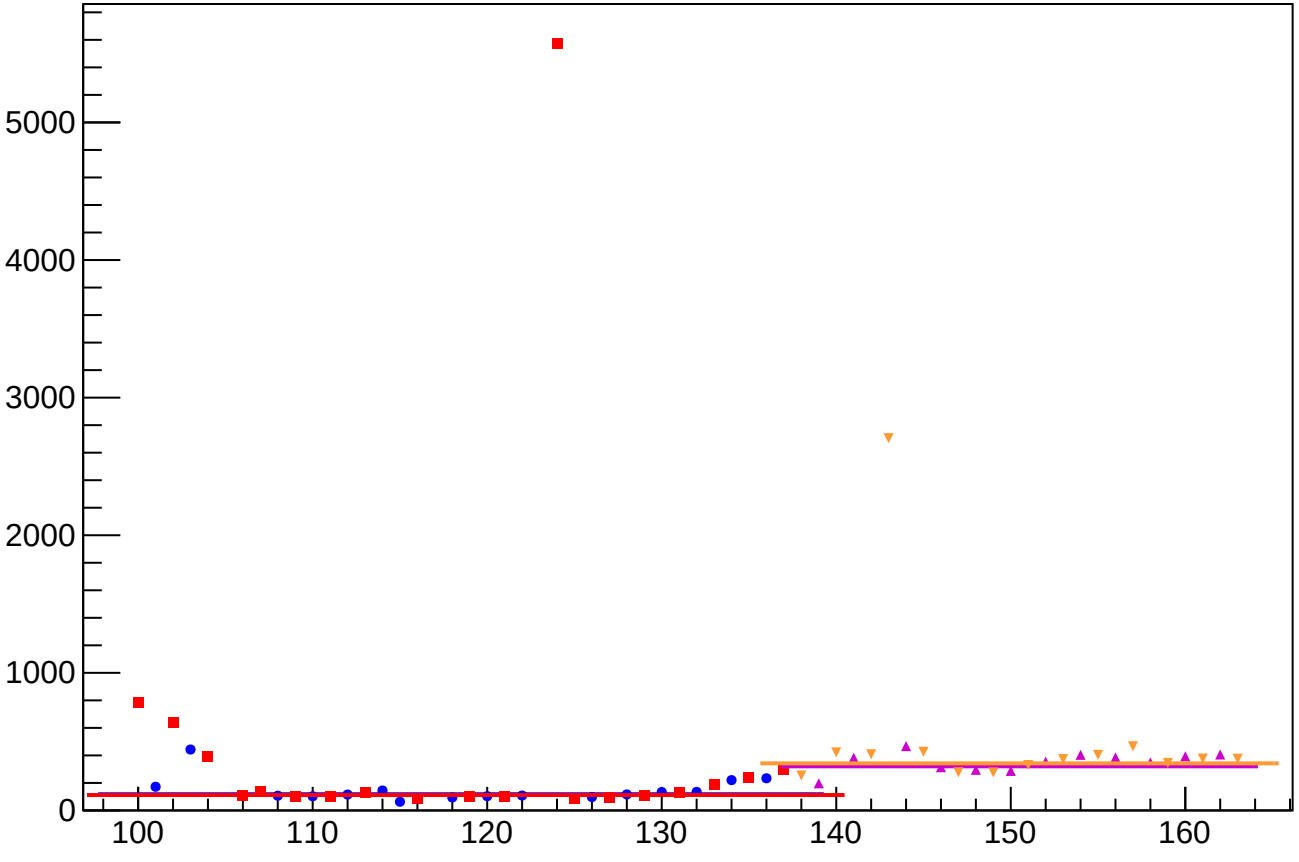
Left In: -0.065+/-0.104 χ^2/NDF:14.9/11

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.016+/-0.031 χ^2/NDF: 70.9/60

- sign 0.010+/-0.043 χ^2/NDF: 37.6/30

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: 342.387+/-0.076 χ^2/NDF:1945030.3/13

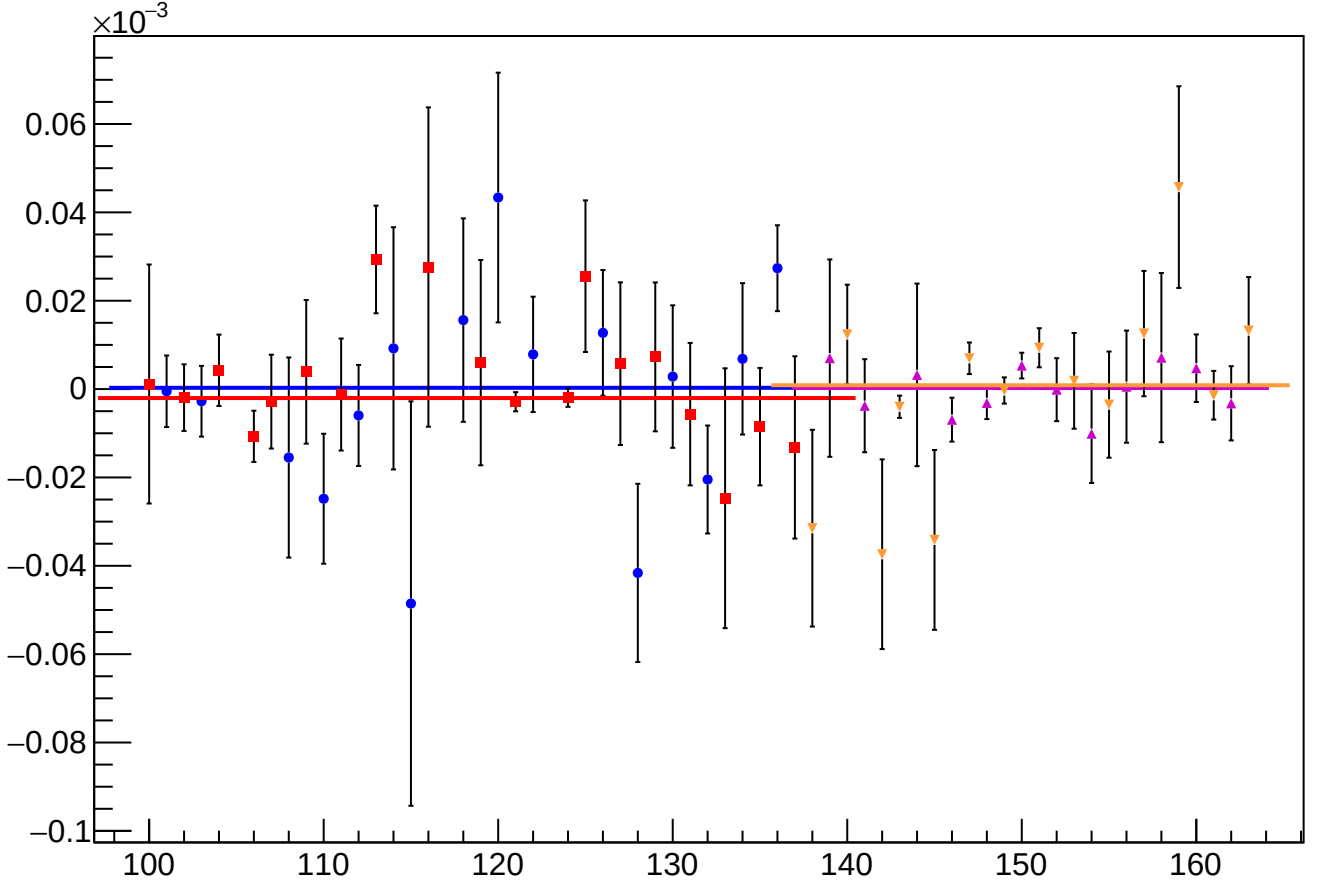
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 320.715+/-0.073 χ^2/NDF:1117144.4/11

+ sign 154.582+/-0.031 χ^2/NDF: 10904503.7/29

All: 150.954+/-0.022 χ^2/NDF: 20961915.7/60

- sign 147.506+/-0.030 χ^2/NDF: 10030631.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

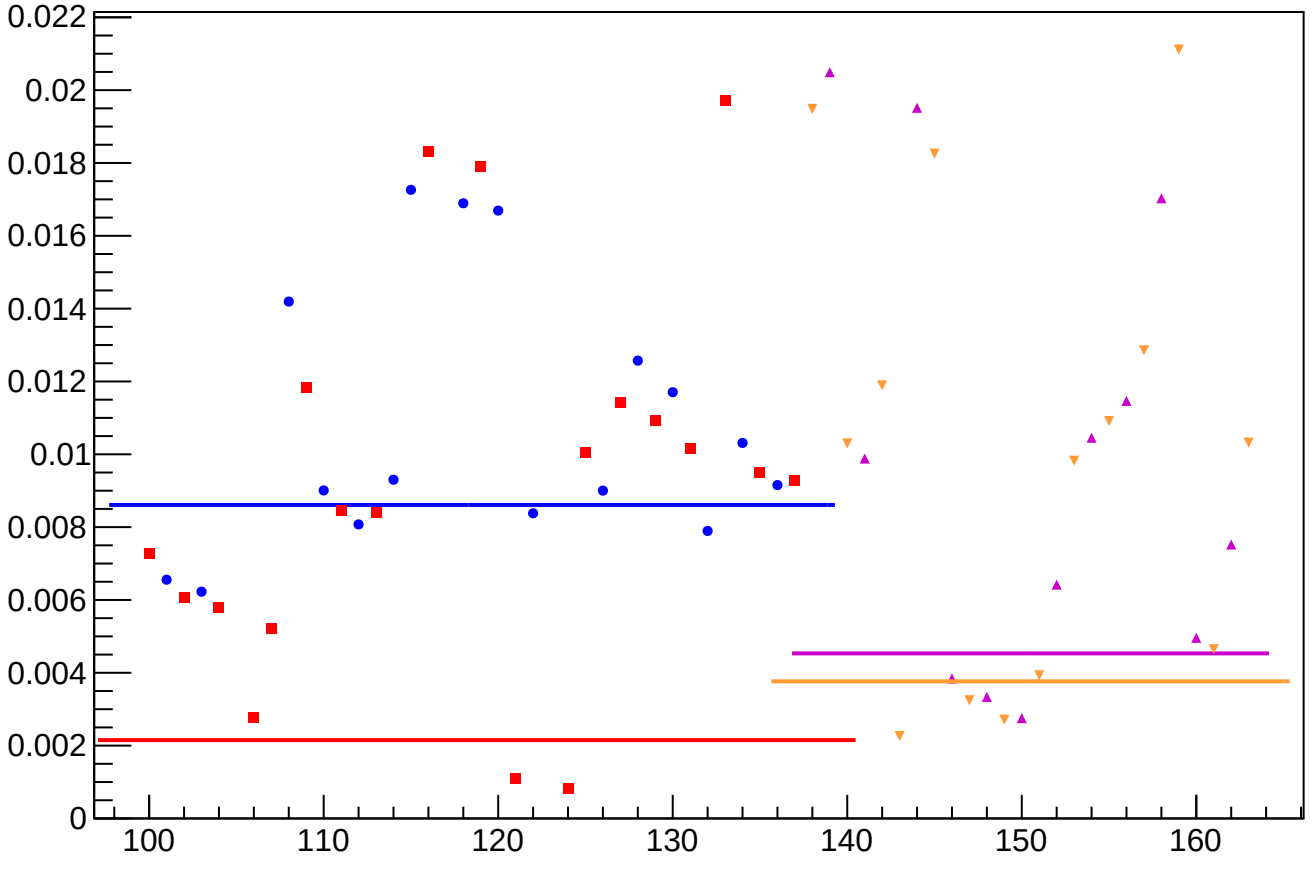
Left In: 0.000+/-0.000 χ^2/NDF:7.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/29

All: -0.000+/-0.000 χ^2/NDF: 74.7/60

- sign -0.000+/-0.000 χ^2/NDF: 23.6/30

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7925556.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

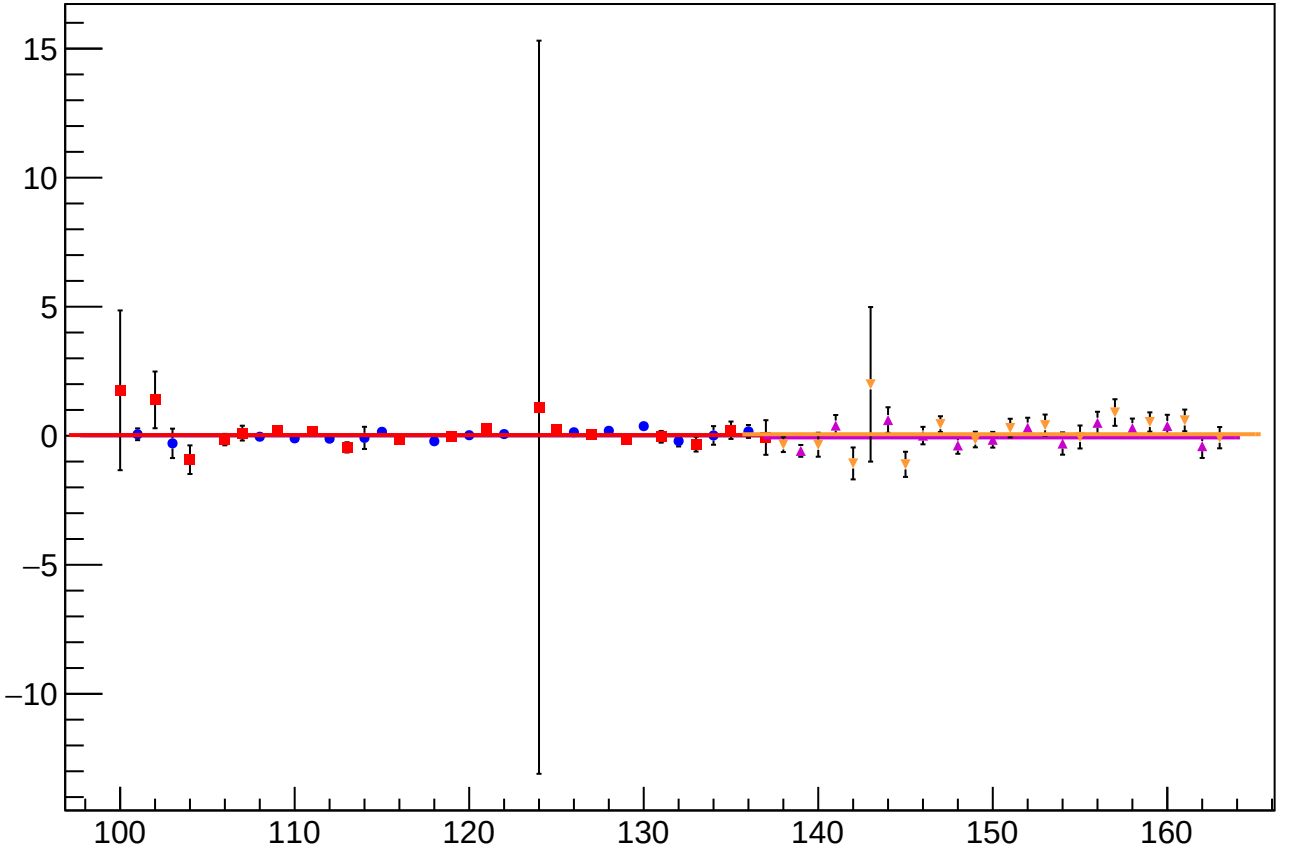
Left In: 0.005+/-0.000 χ^2/NDF:5999966.2/11

+ sign 0.005+/-0.000 χ^2/NDF: 12519778.4/29

All: 0.004+/-0.000 χ^2/NDF: 31456156.9/60

- sign 0.003+/-0.000 χ^2/NDF: 17370691.4/30

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

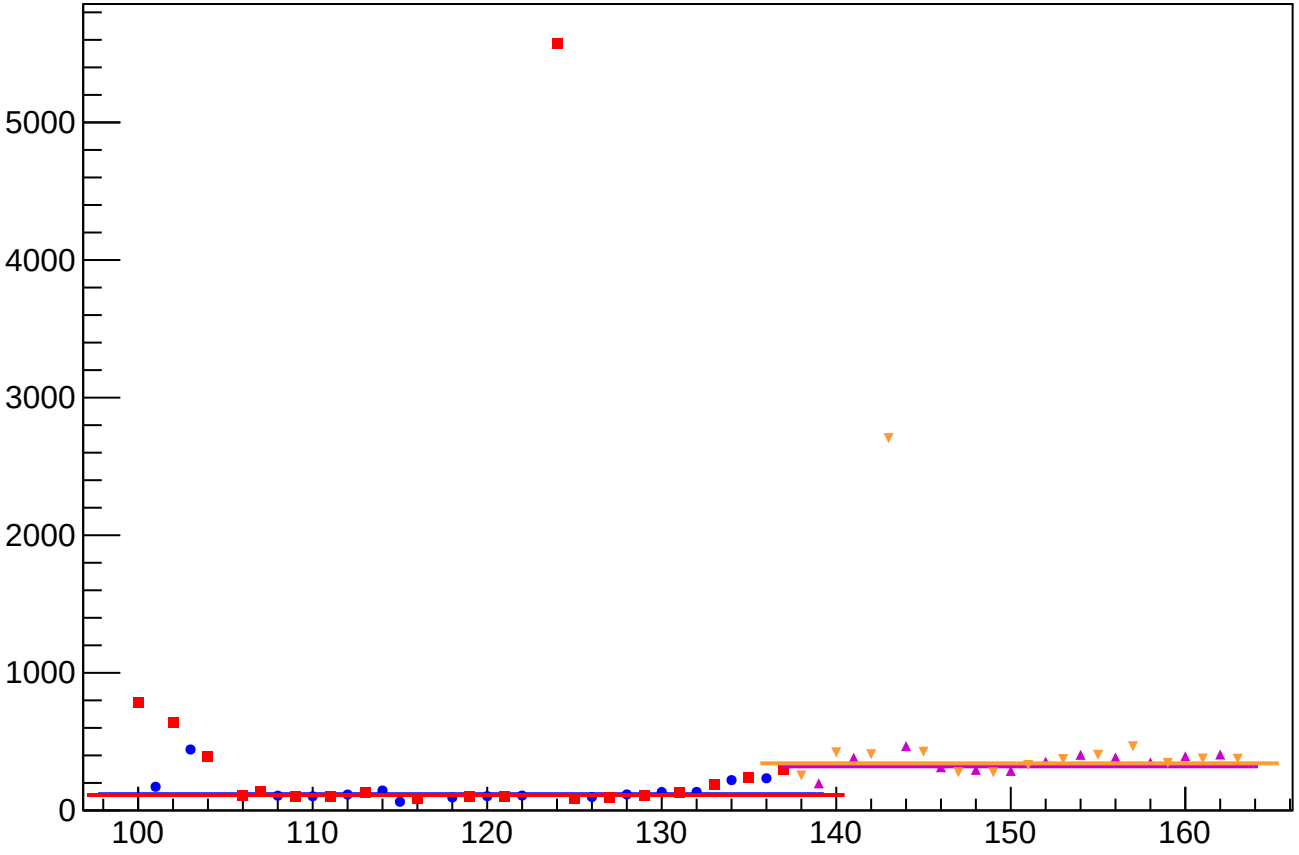
Left In: -0.065+/-0.104 χ^2/NDF:14.9/11

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.016+/-0.031 χ^2/NDF: 70.9/60

- sign 0.010+/-0.043 χ^2/NDF: 37.6/30

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 342.391+/-0.076 χ^2/NDF:1945076.5/13

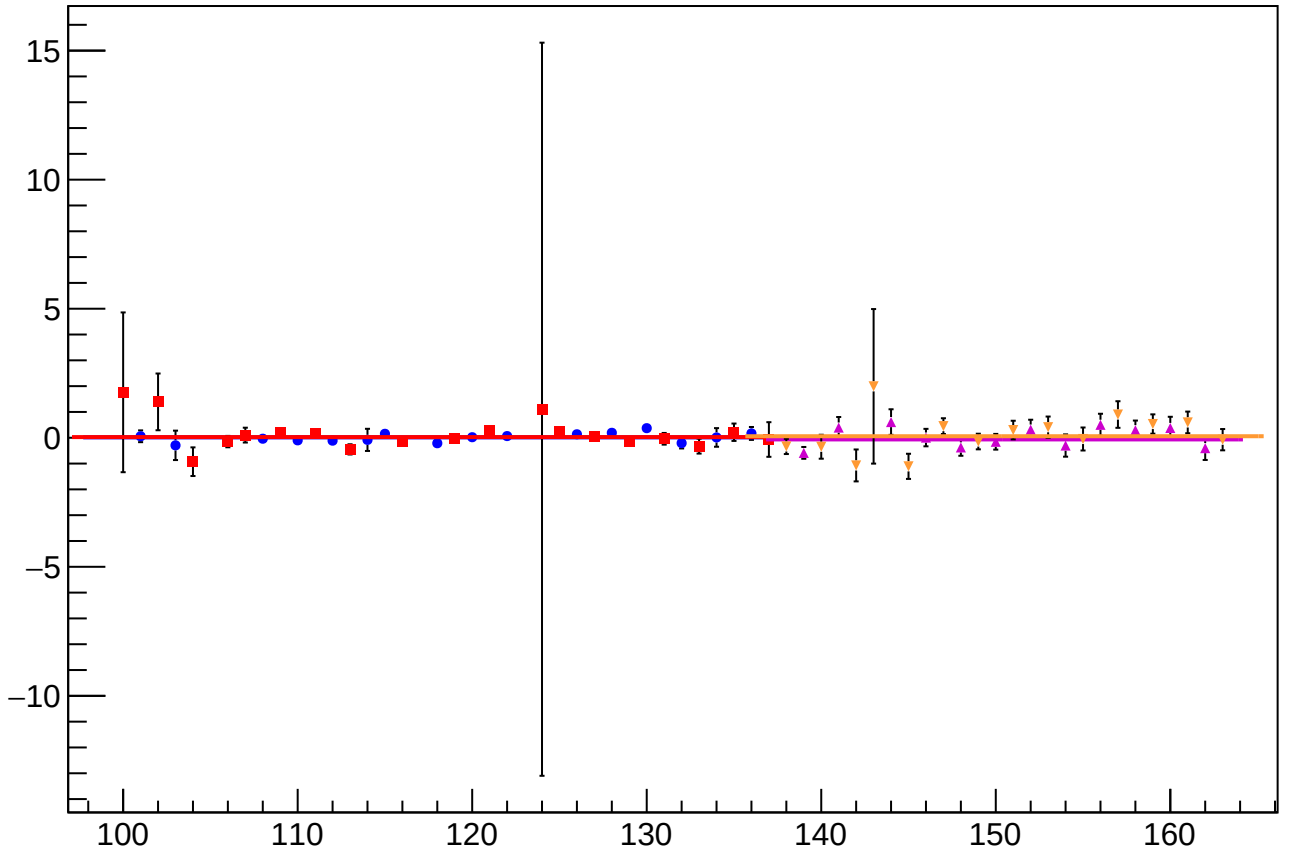
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 320.719+/-0.073 χ^2/NDF:1117145.4/11

+ sign 154.582+/-0.031 χ^2/NDF: 10904611.8/29

All: 150.955+/-0.022 χ^2/NDF: 20961935.7/60

- sign 147.508+/-0.030 χ^2/NDF: 10030559.4/30



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.059+/-0.108 χ^2/NDF:21.4/13

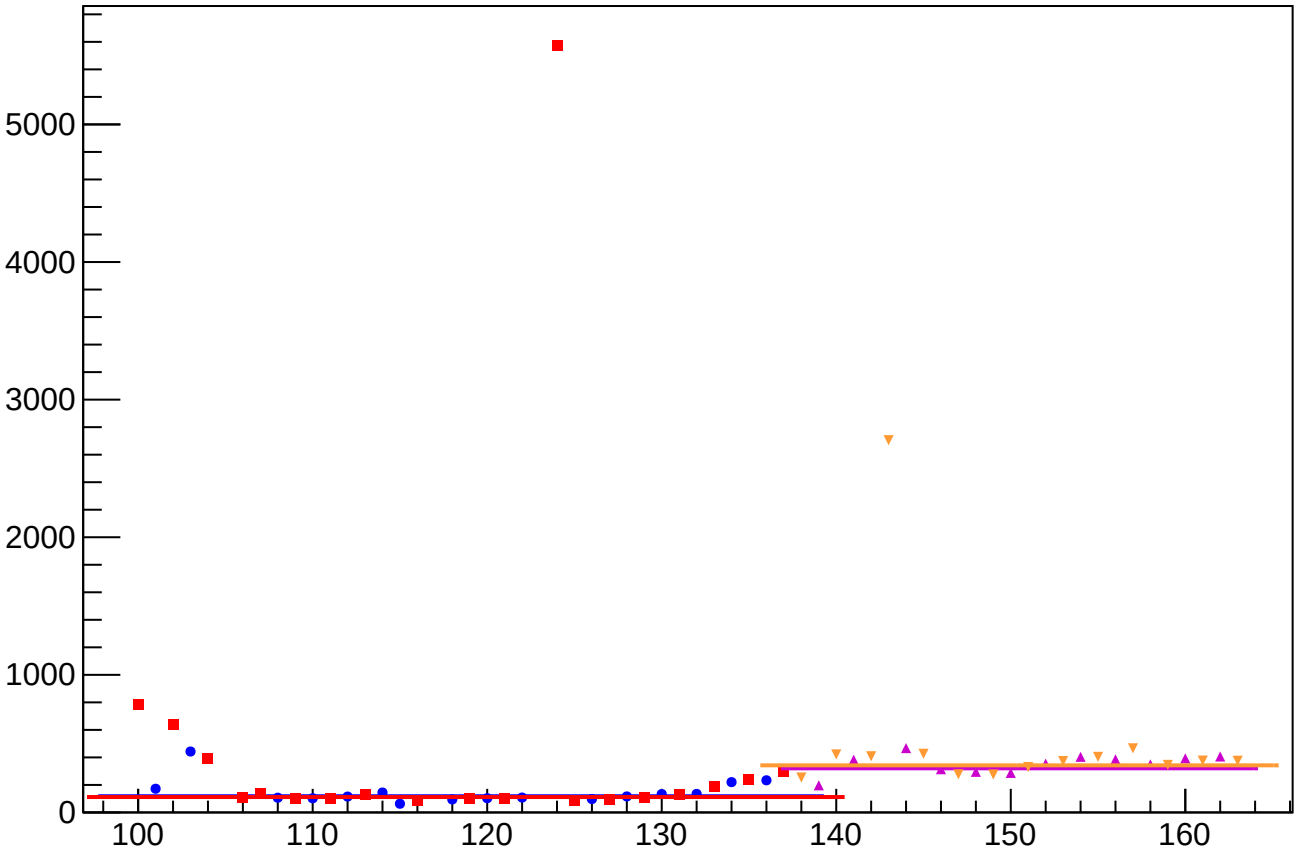
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.065+/-0.104 χ^2/NDF:14.9/11

+ sign 0.023+/-0.044 χ^2/NDF: 33.3/29

All: 0.016+/-0.031 χ^2/NDF: 70.9/60

- sign 0.010+/-0.043 χ^2/NDF: 37.6/30



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 342.391+/-0.076 χ^2/NDF:1945076.5/13

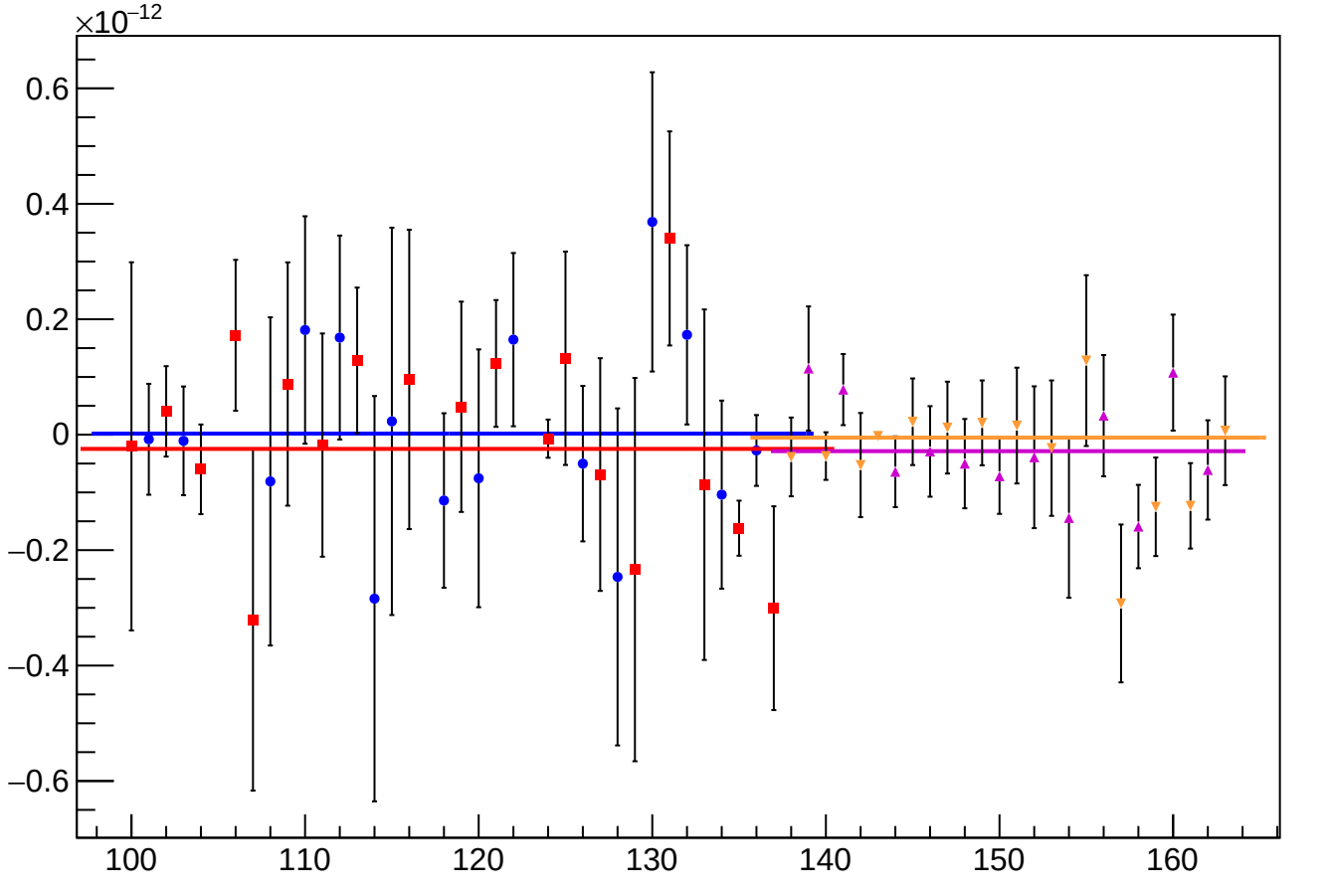
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

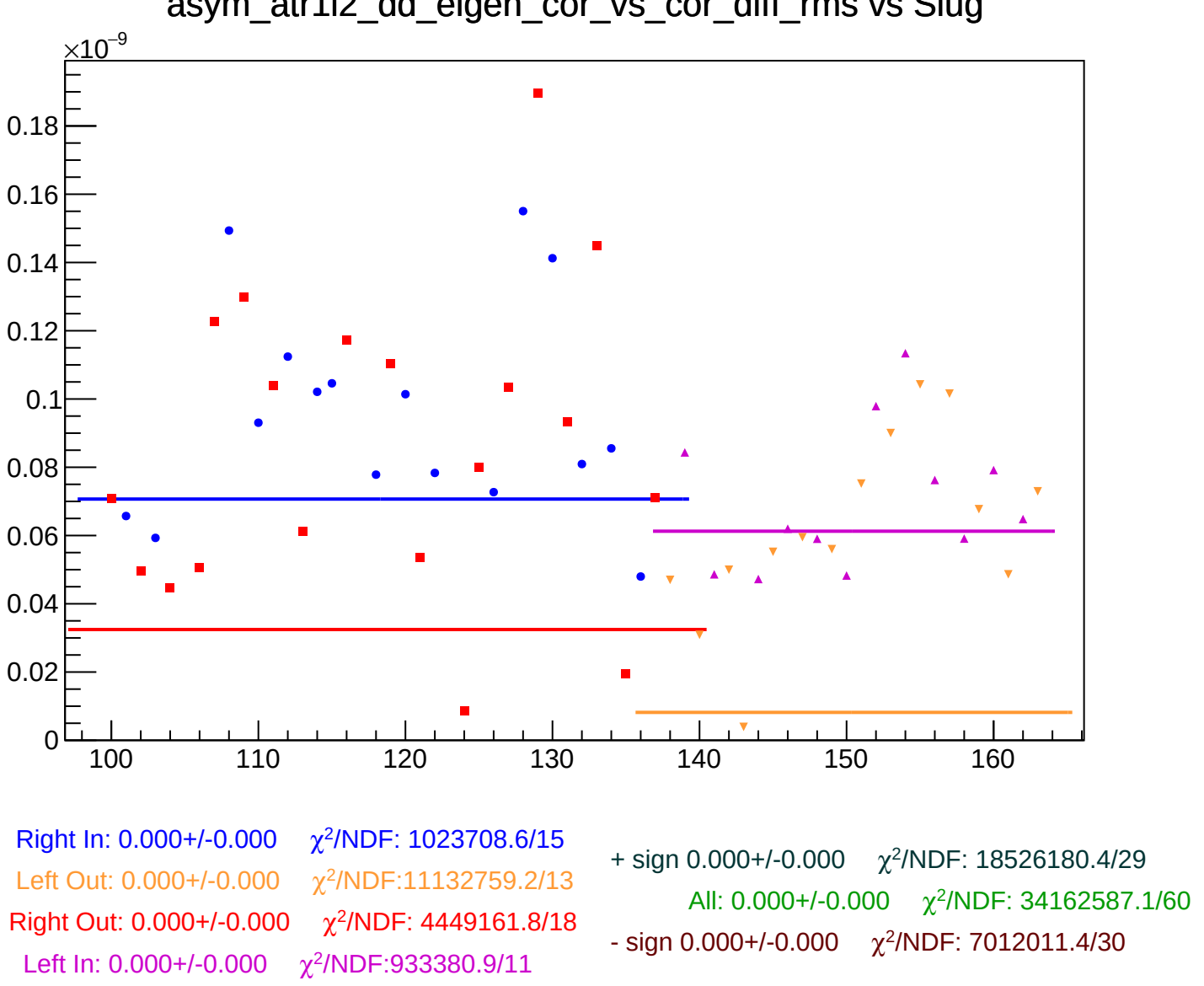
Left In: 320.719+/-0.073 χ^2/NDF:1117145.4/11

+ sign 154.582+/-0.031 χ^2/NDF: 10904611.8/29

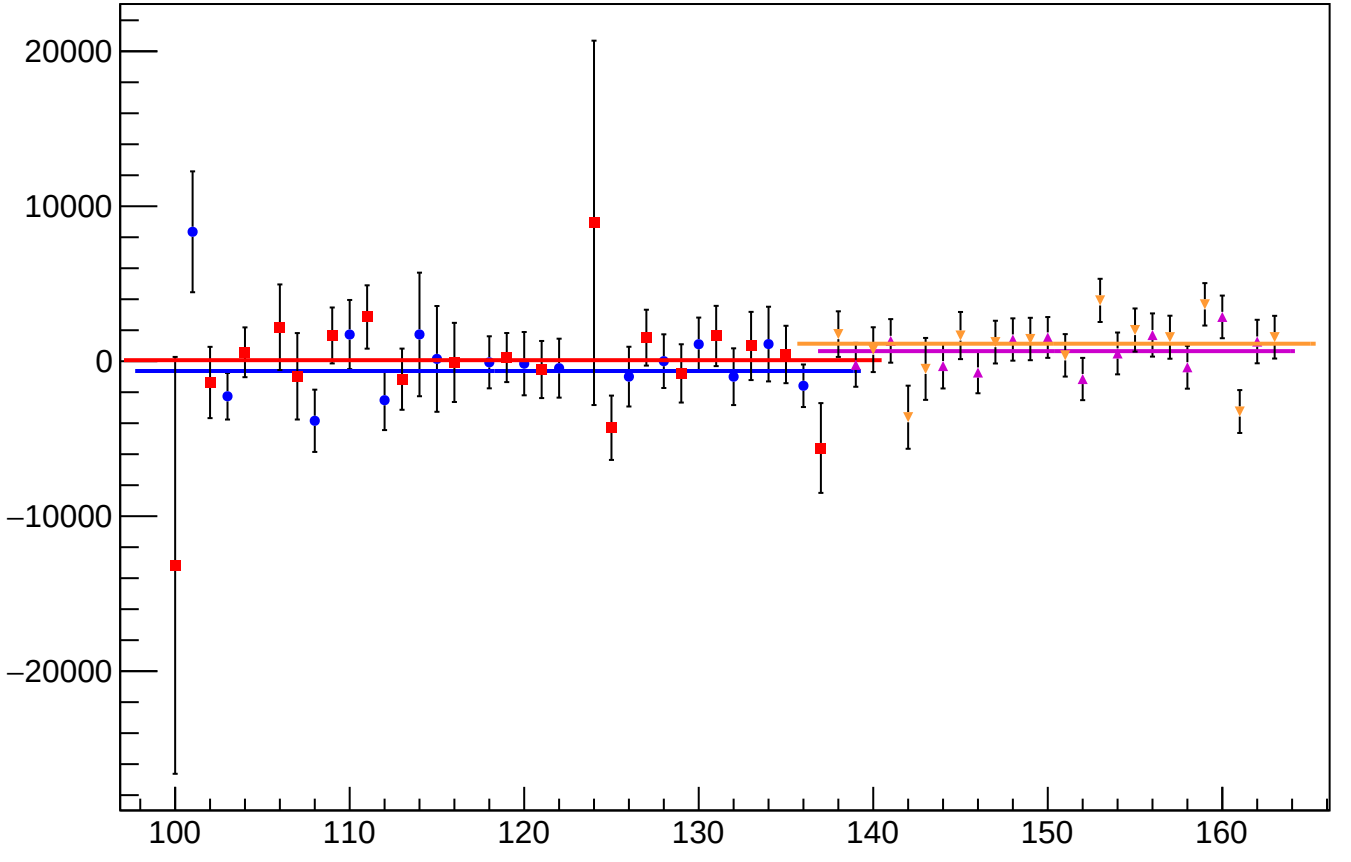
All: 150.955+/-0.022 χ^2/NDF: 20961935.7/60

- sign 147.508+/-0.030 χ^2/NDF: 10030559.4/30


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 9.1/15
Left Out: -0.000+/-0.000 χ²/NDF:11.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.9/11
+ sign -0.000+/-0.000 χ²/NDF: 20.6/29
All: -0.000+/-0.000 χ²/NDF: 58.4/60
- sign -0.000+/-0.000 χ²/NDF: 36.2/30


asym_atr1l2_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
160
Right In: 0.000+/-0.000 χ²/NDF: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11132759.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 4449161.8/18
Left In: 0.000+/-0.000 χ²/NDF:933380.9/11
+ sign 0.000+/-0.000 χ²/NDF: 18526180.4/29
All: 0.000+/-0.000 χ²/NDF: 34162587.1/60
- sign 0.000+/-0.000 χ²/NDF: 7012011.4/30

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

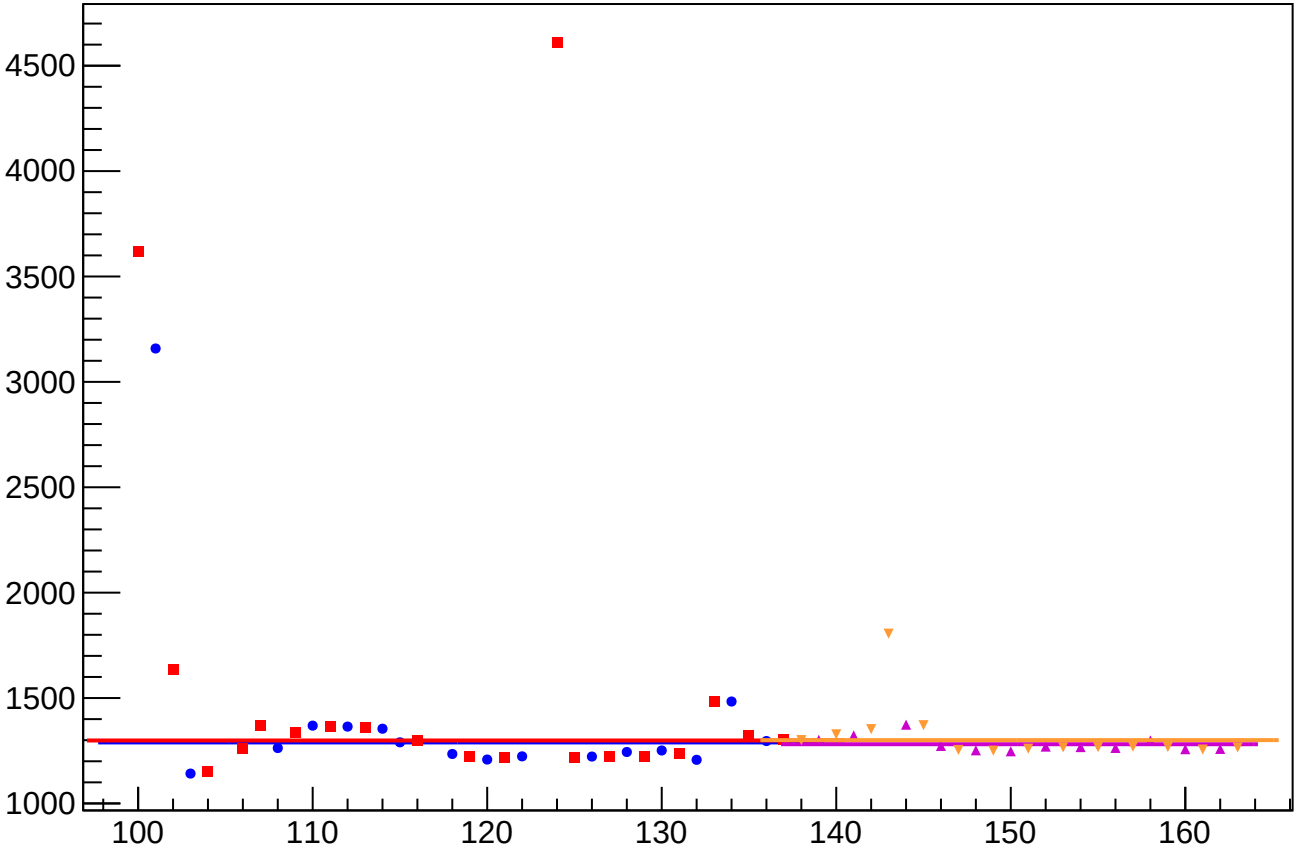
Left In: 651.480+/-398.041 χ^2/NDF:8.5/11

+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 432.162+/-216.716 χ^2/NDF: 72.0/60

- sign 418.096+/-308.387 χ^2/NDF: 25.2/30

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

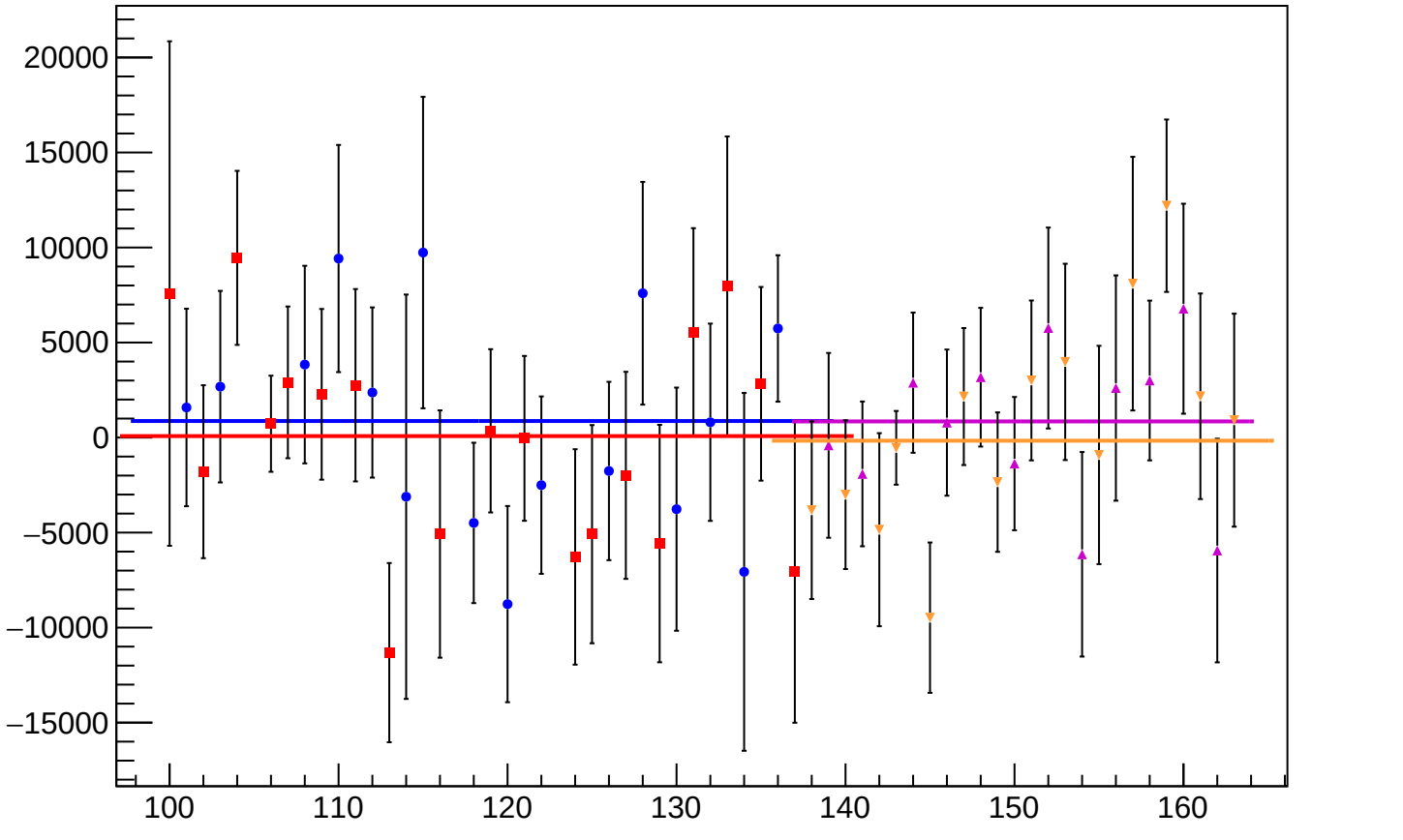
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60

- sign 1288.038+/-0.218 χ^2/NDF: 335730.3/30



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

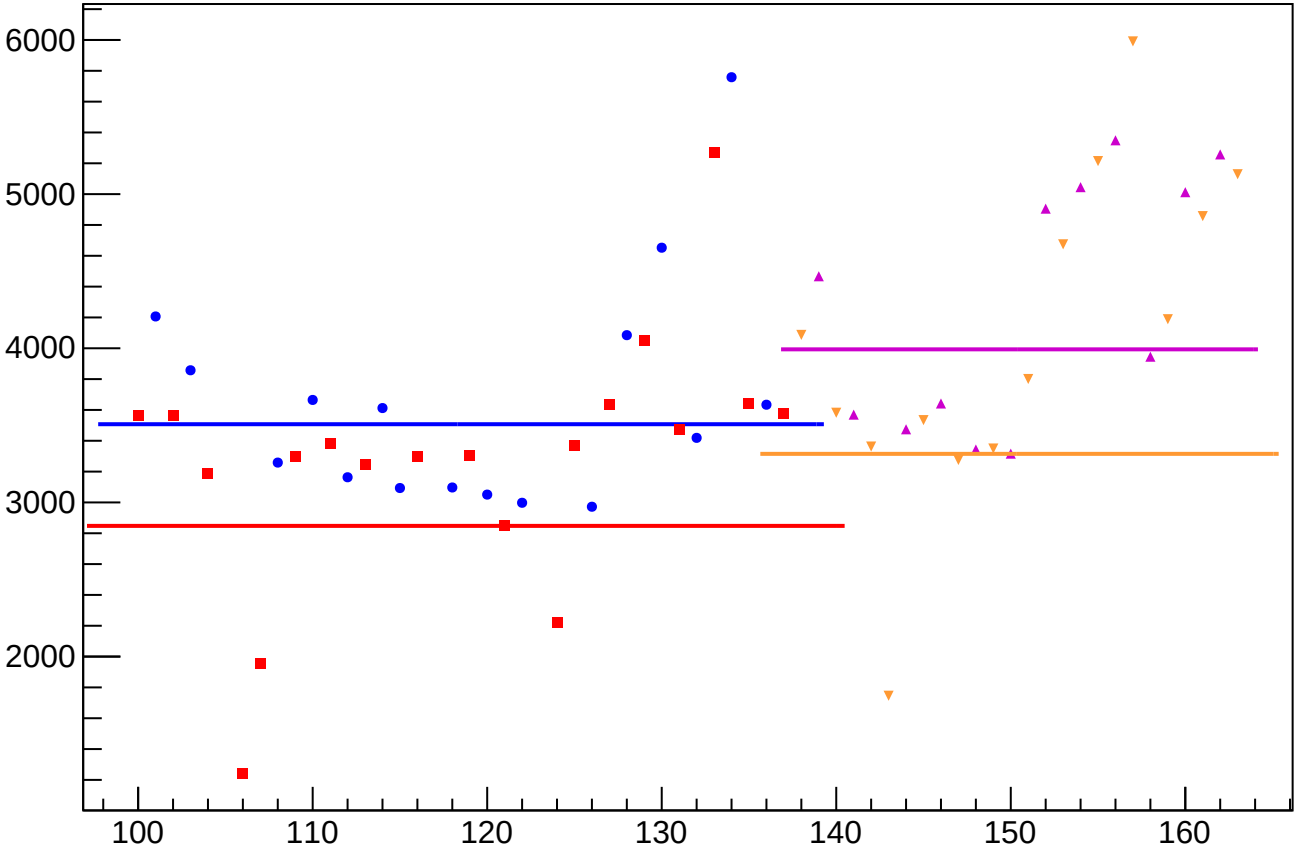
Left In: 850.143+/-1264.028 χ^2/NDF:7.1/11

+ sign 238.049+/-827.147 χ^2/NDF: 33.2/29

All: 325.329+/-587.469 χ^2/NDF: 58.9/60

- sign 414.170+/-834.514 χ^2/NDF: 25.7/30

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

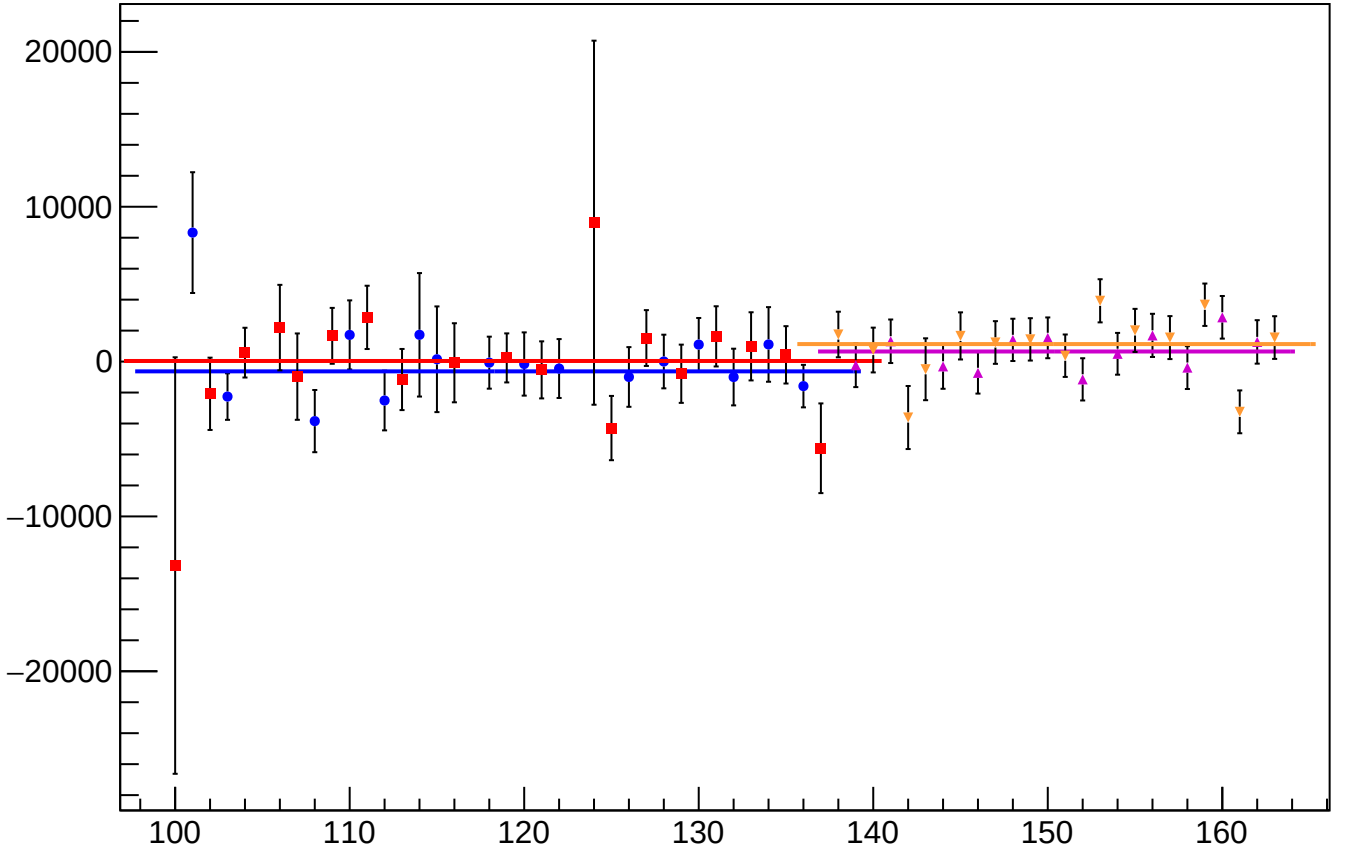
Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

\+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60

\- sign 3347.001+/-0.590 χ^2/NDF: 3064901.4/30

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

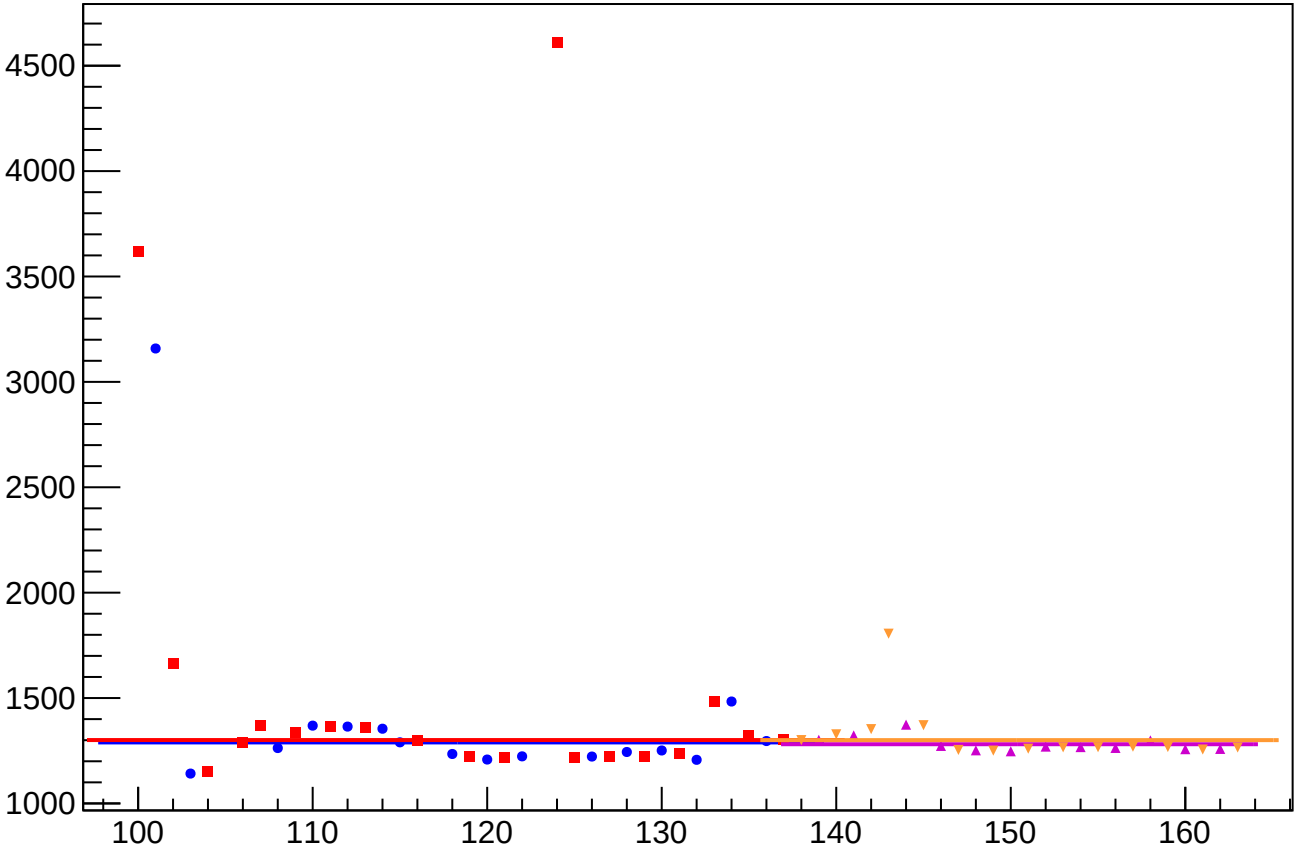
Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

- sign 406.676+/-308.469 χ^2/NDF: 25.8/30

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

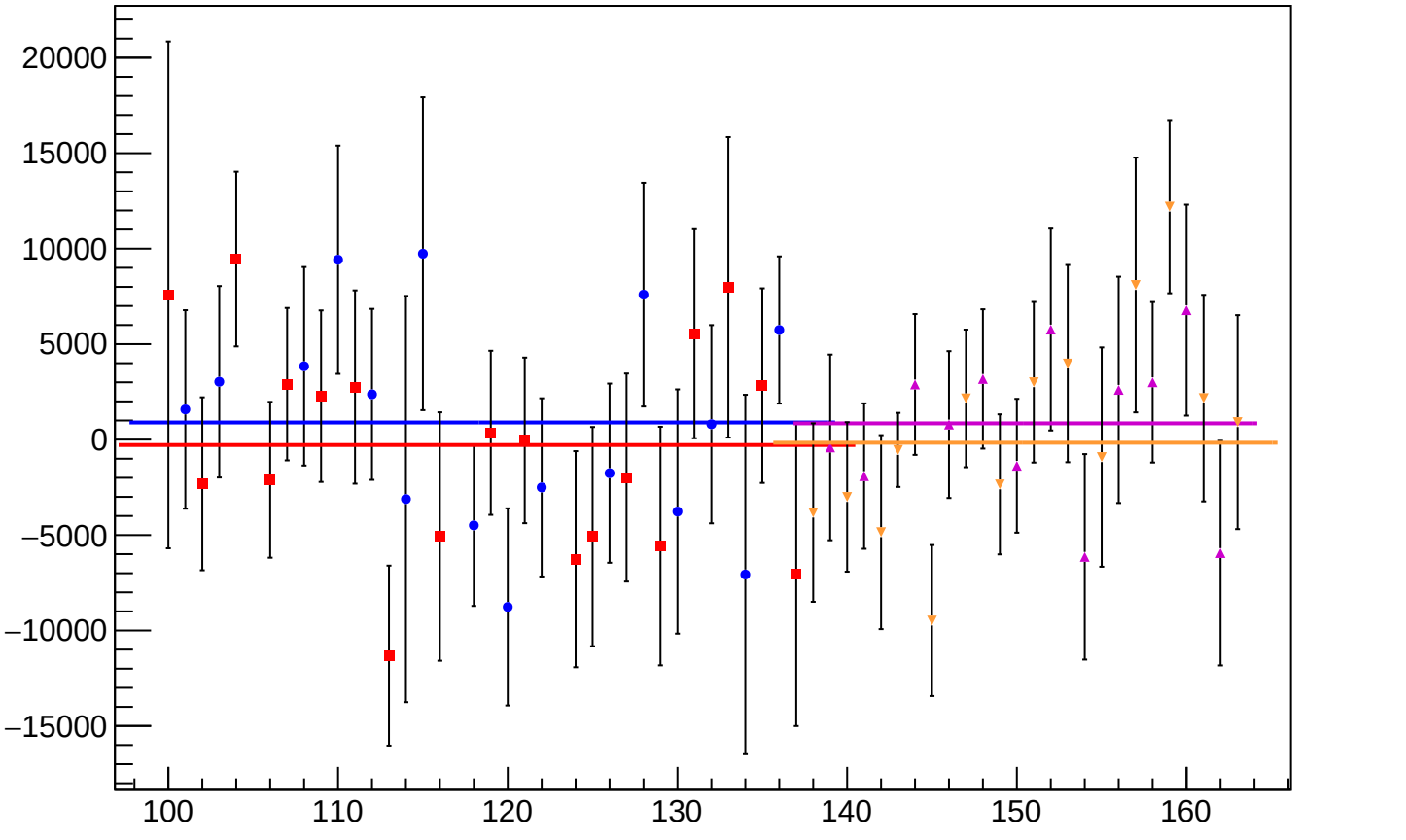
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

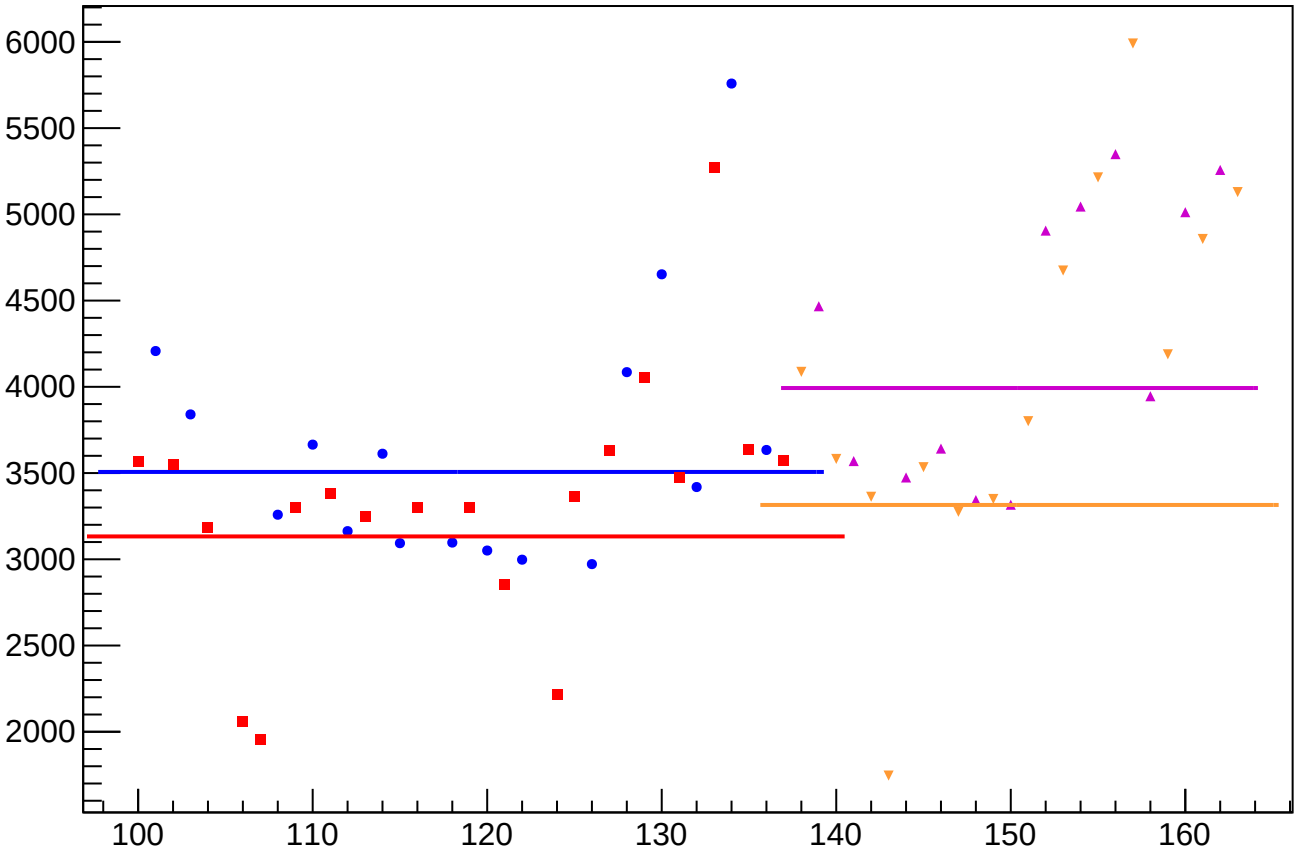
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 850.171+/-1264.027 χ^2/NDF:7.1/11

\+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 247.045+/-597.377 χ^2/NDF: 59.4/60

\- sign 245.673+/-863.799 χ^2/NDF: 26.1/30



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

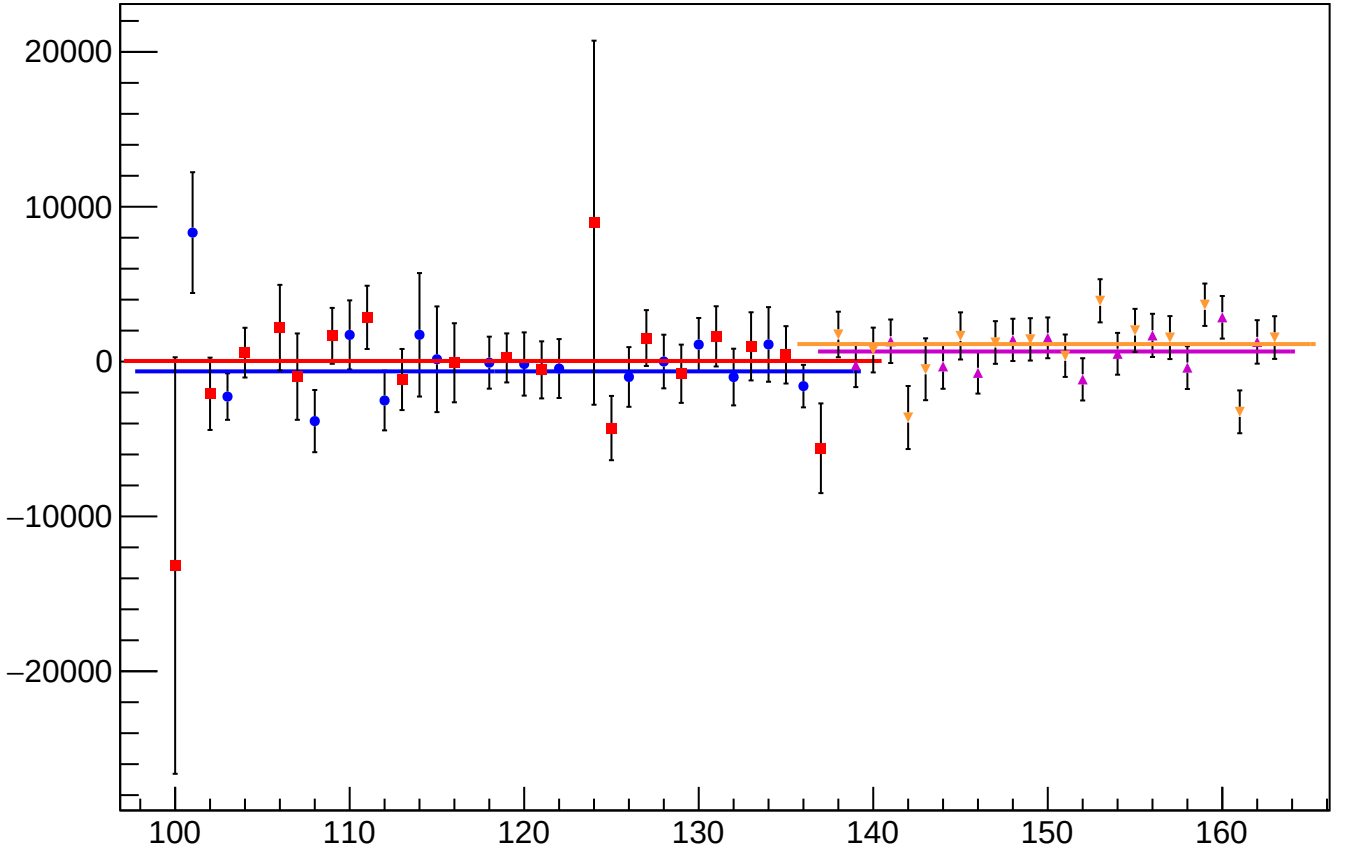
Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30

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: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

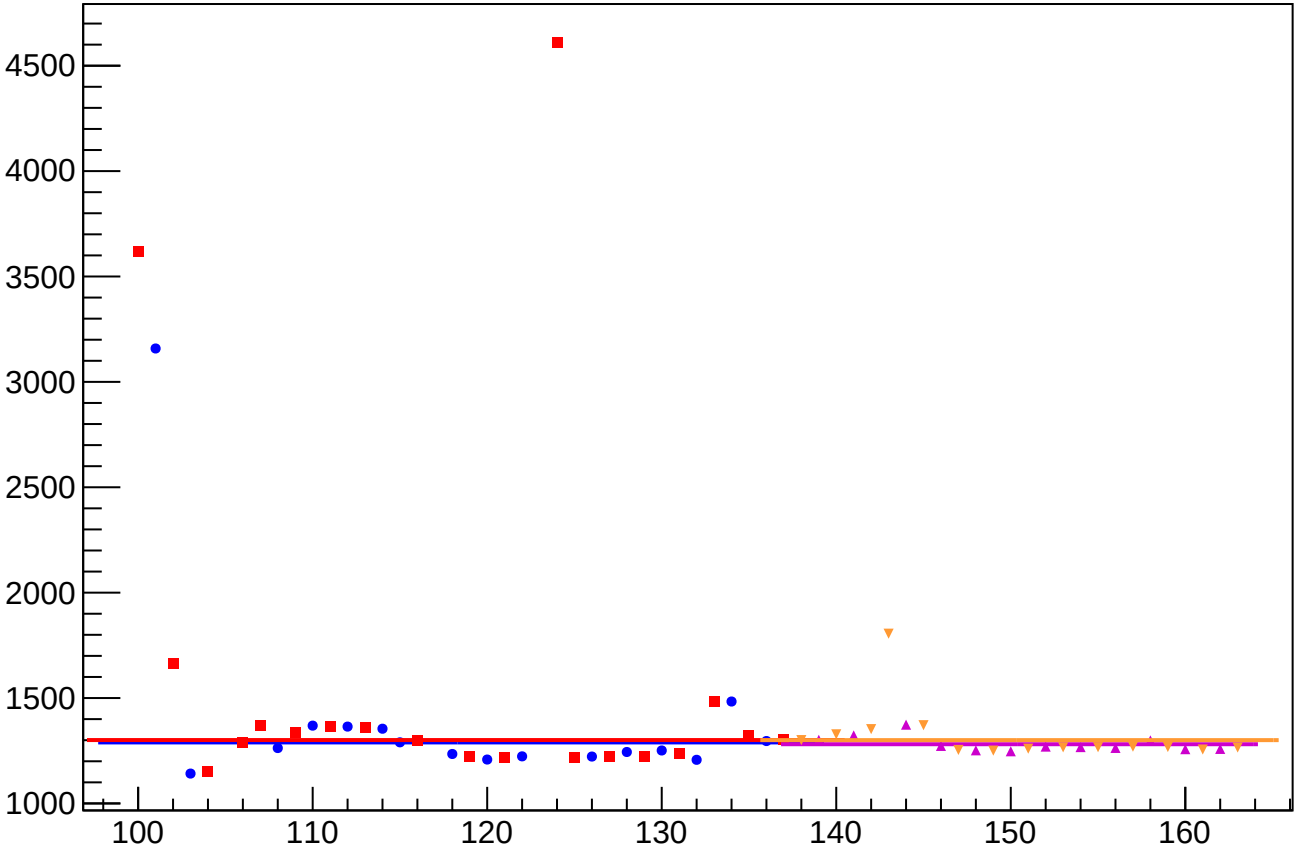
Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

- sign 406.676+/-308.469 χ^2/NDF: 25.8/30

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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

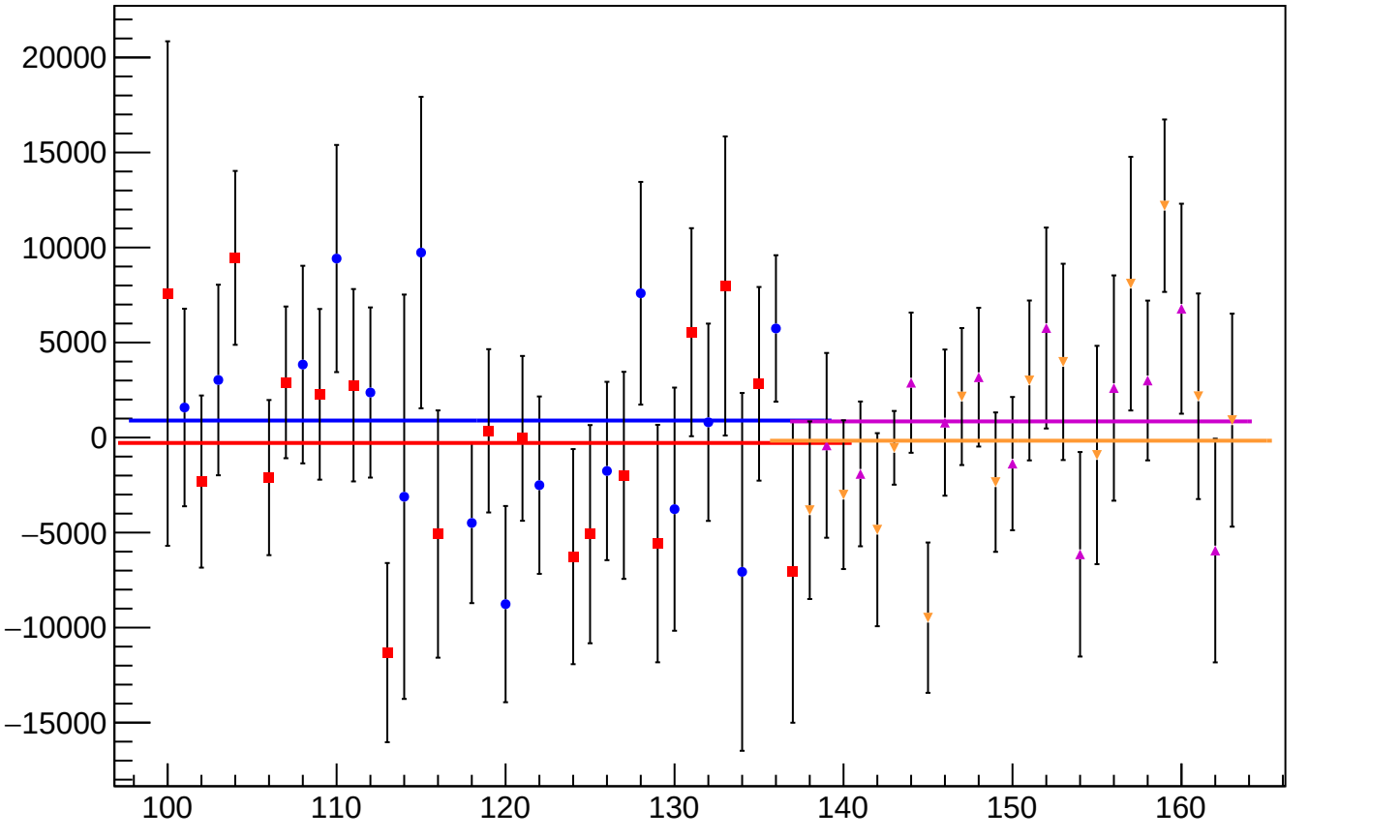
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

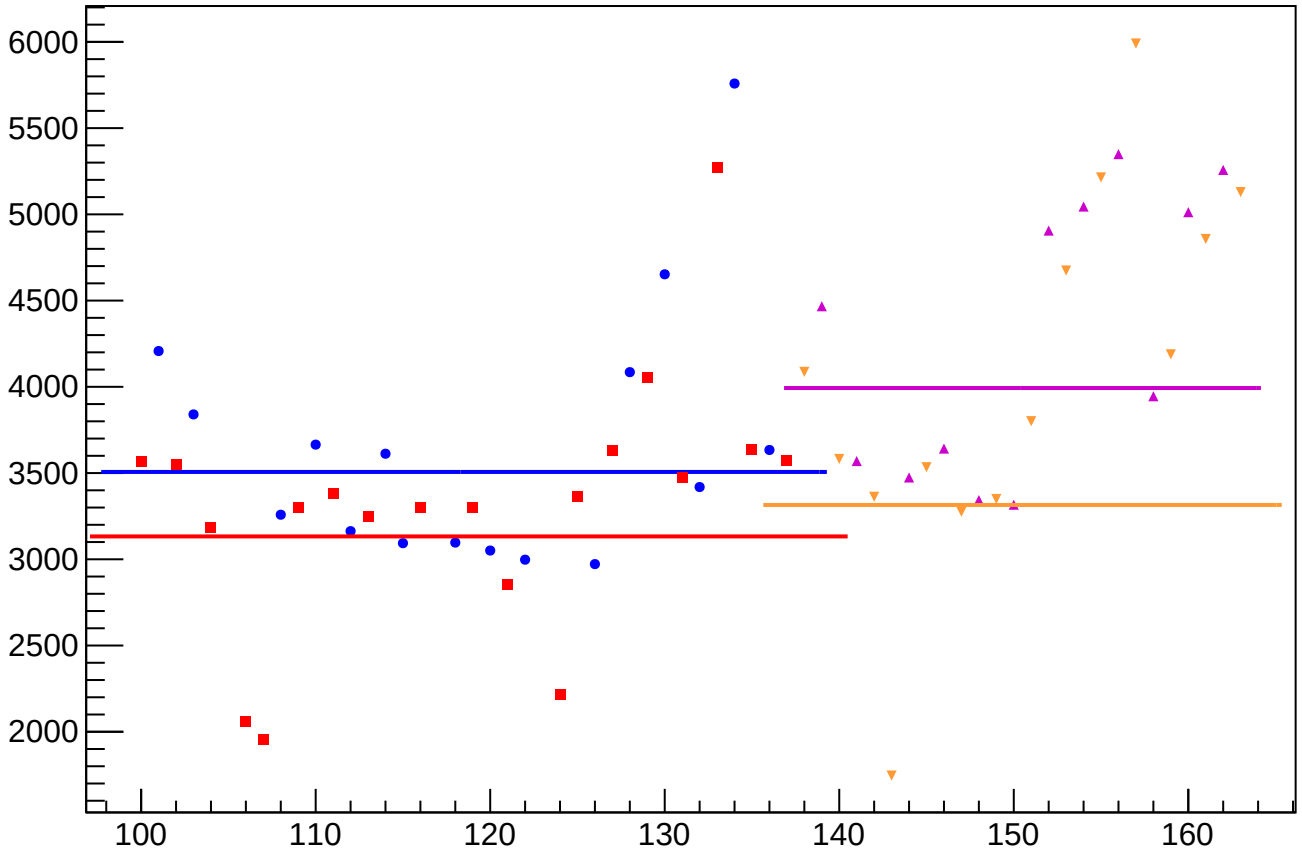
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 850.171+/-1264.027 χ^2/NDF:7.1/11

+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 247.045+/-597.377 χ^2/NDF: 59.4/60

- sign 245.673+/-863.799 χ^2/NDF: 26.1/30



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

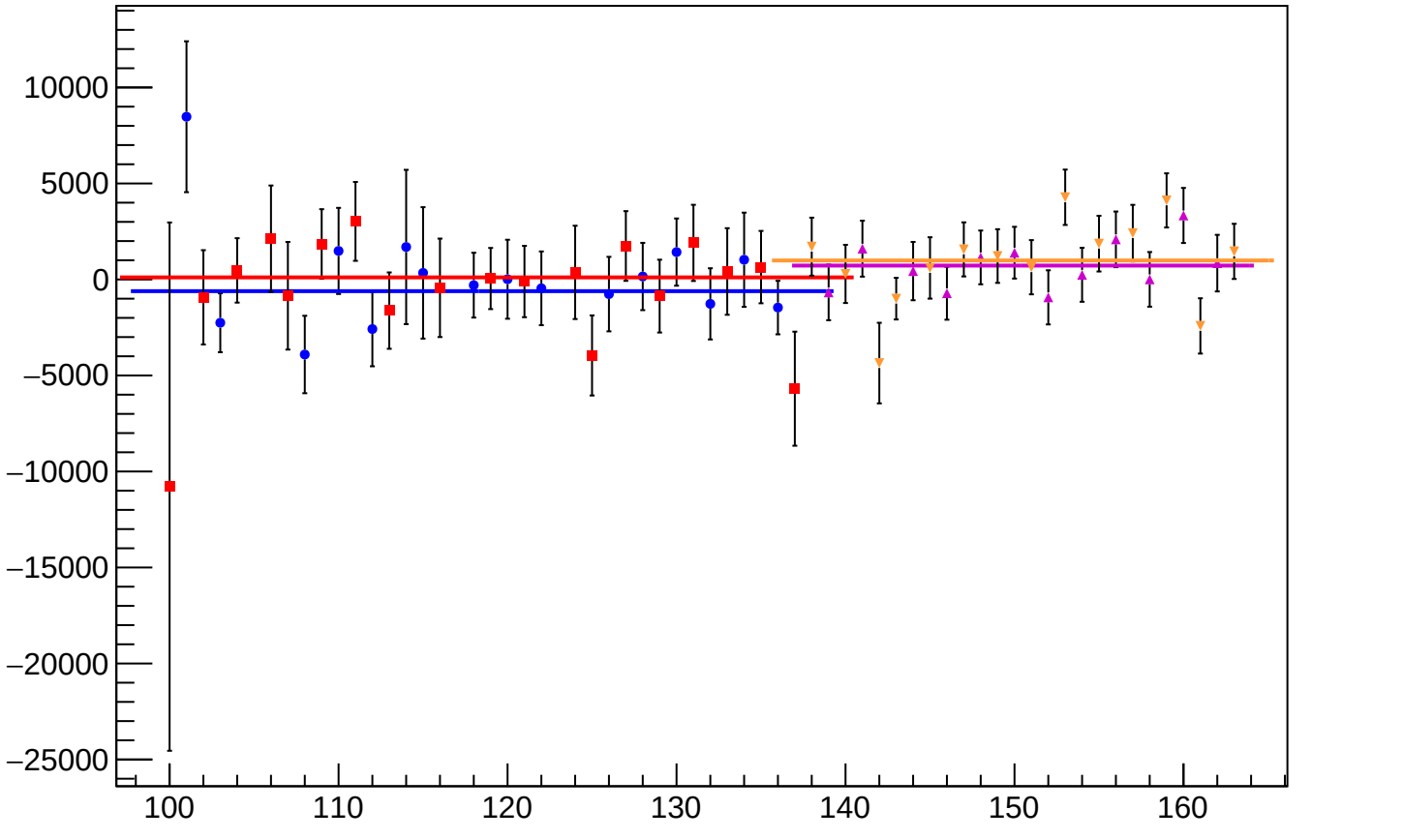
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

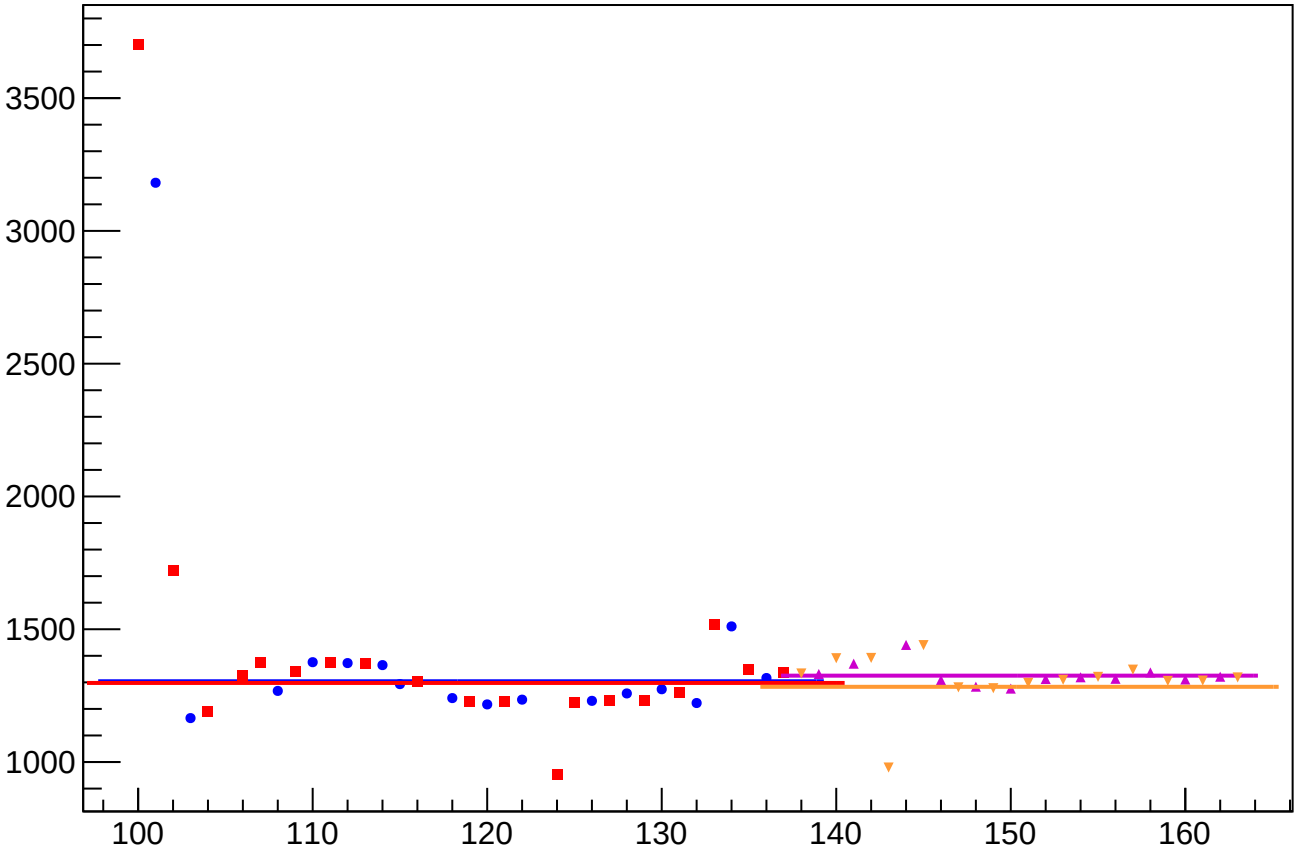
Left In: 723.521+/-411.888 χ^2/NDF:8.7/11

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 424.956+/-218.329 χ^2/NDF: 72.9/60

- sign 466.203+/-314.099 χ^2/NDF: 24.5/30

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

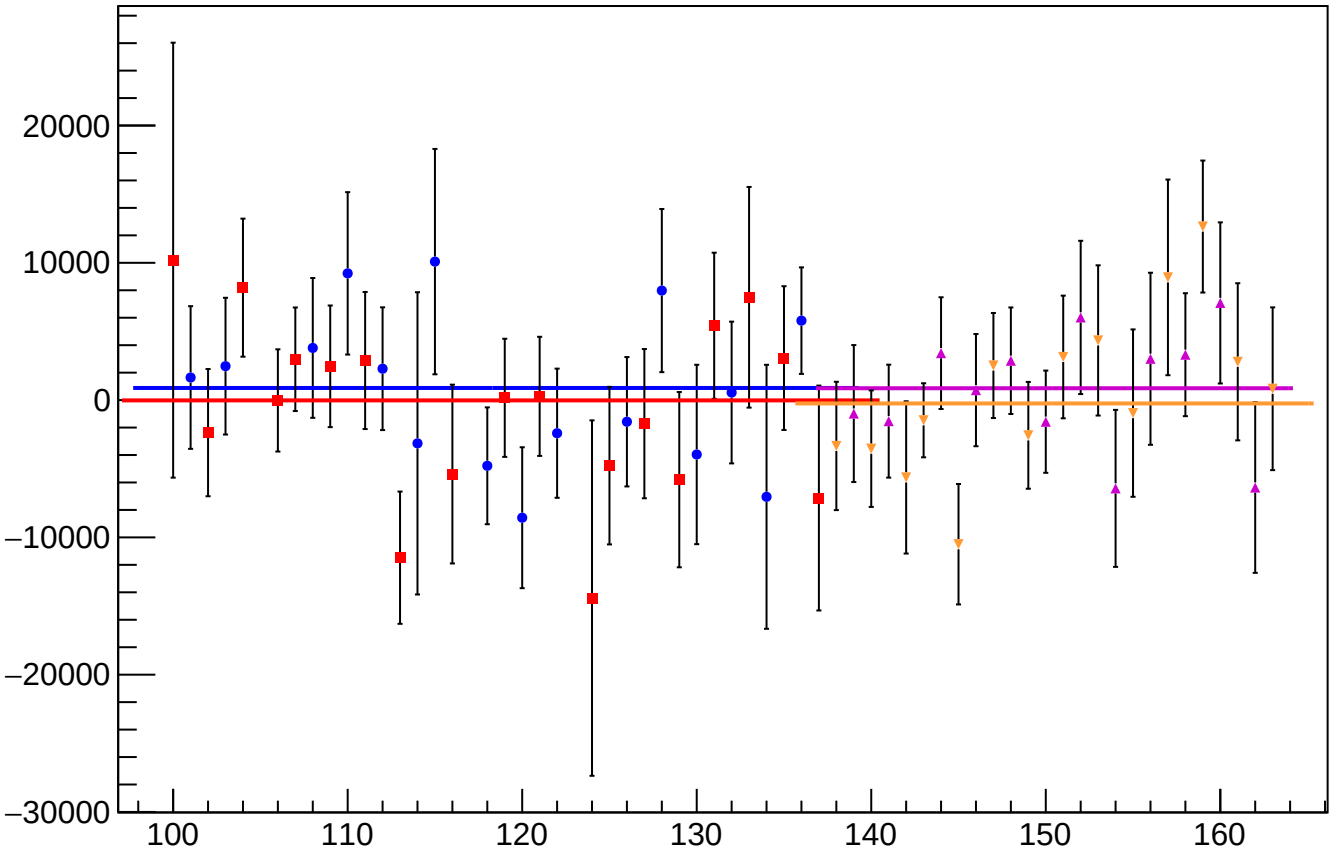
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60

- sign 1313.760+/-0.222 χ^2/NDF: 235741.9/30



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -243.884+/-1203.871 χ^2/NDF:19.0/13

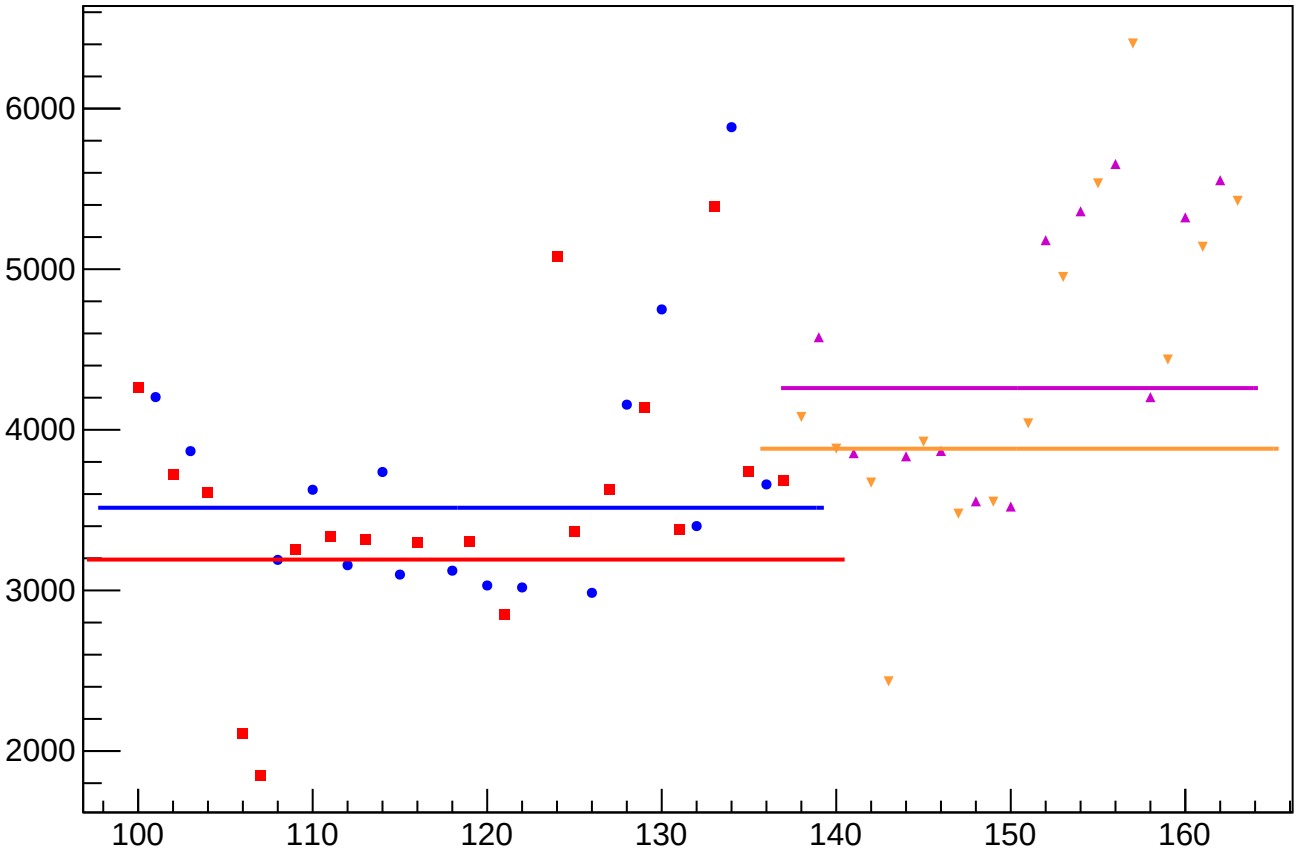
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.089 χ^2/NDF:6.9/11

\+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

\- sign 370.832+/-896.042 χ^2/NDF: 24.0/30



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

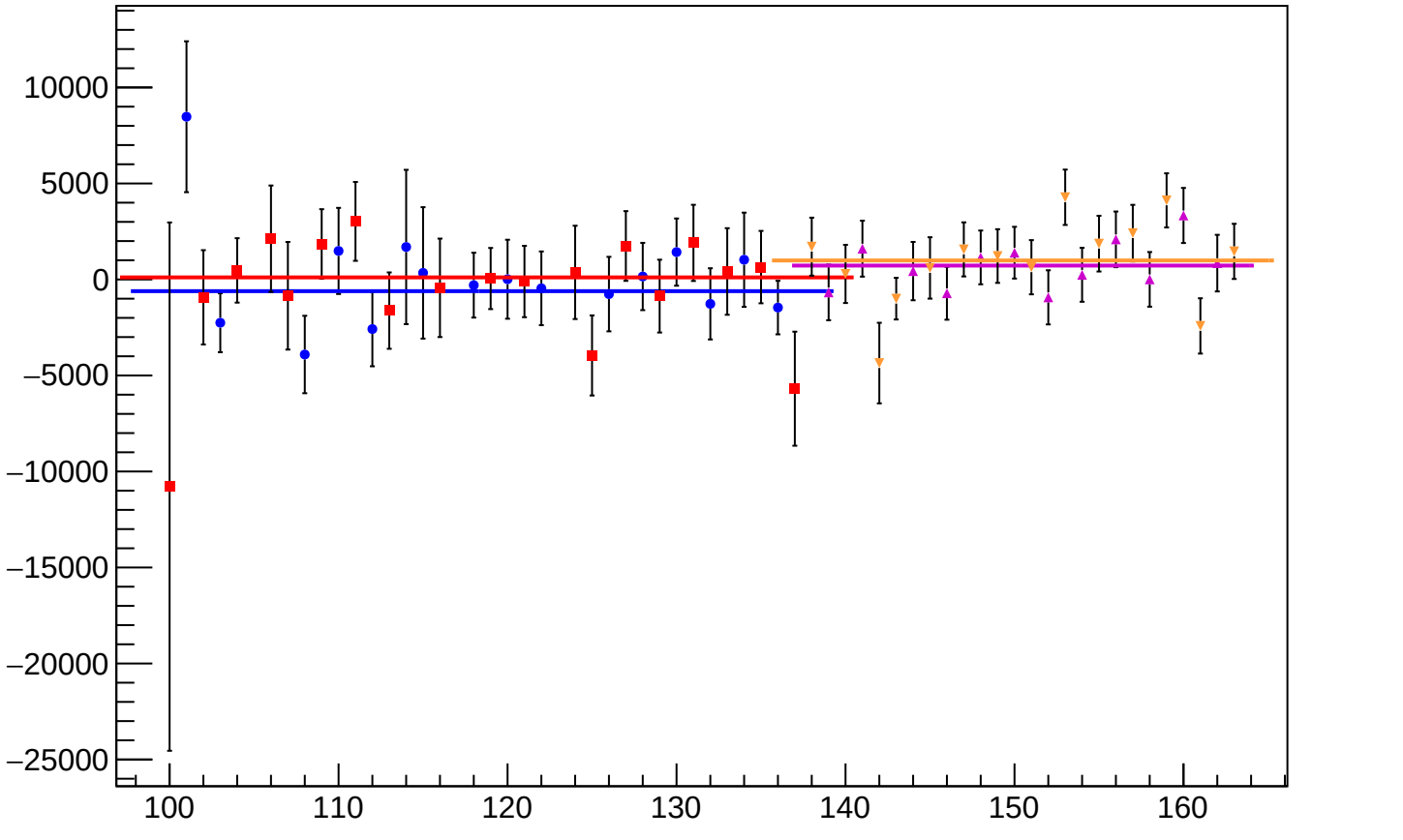
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60

- sign 3664.550+/-0.634 χ^2/NDF: 2065325.5/30



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

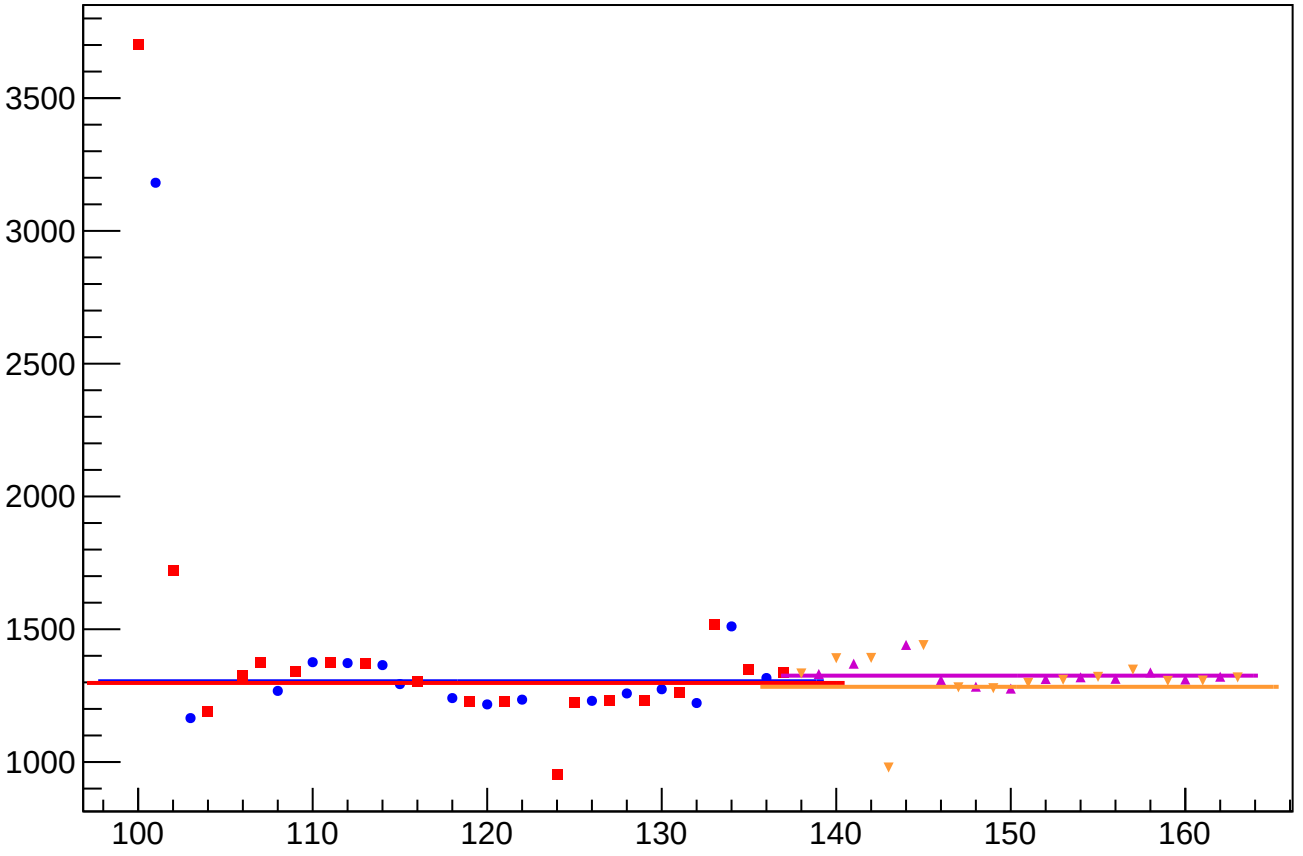
Left In: 723.521+/-411.889 χ^2/NDF:8.7/11

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 424.957+/-218.329 χ^2/NDF: 72.9/60

- sign 466.205+/-314.099 χ^2/NDF: 24.5/30

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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

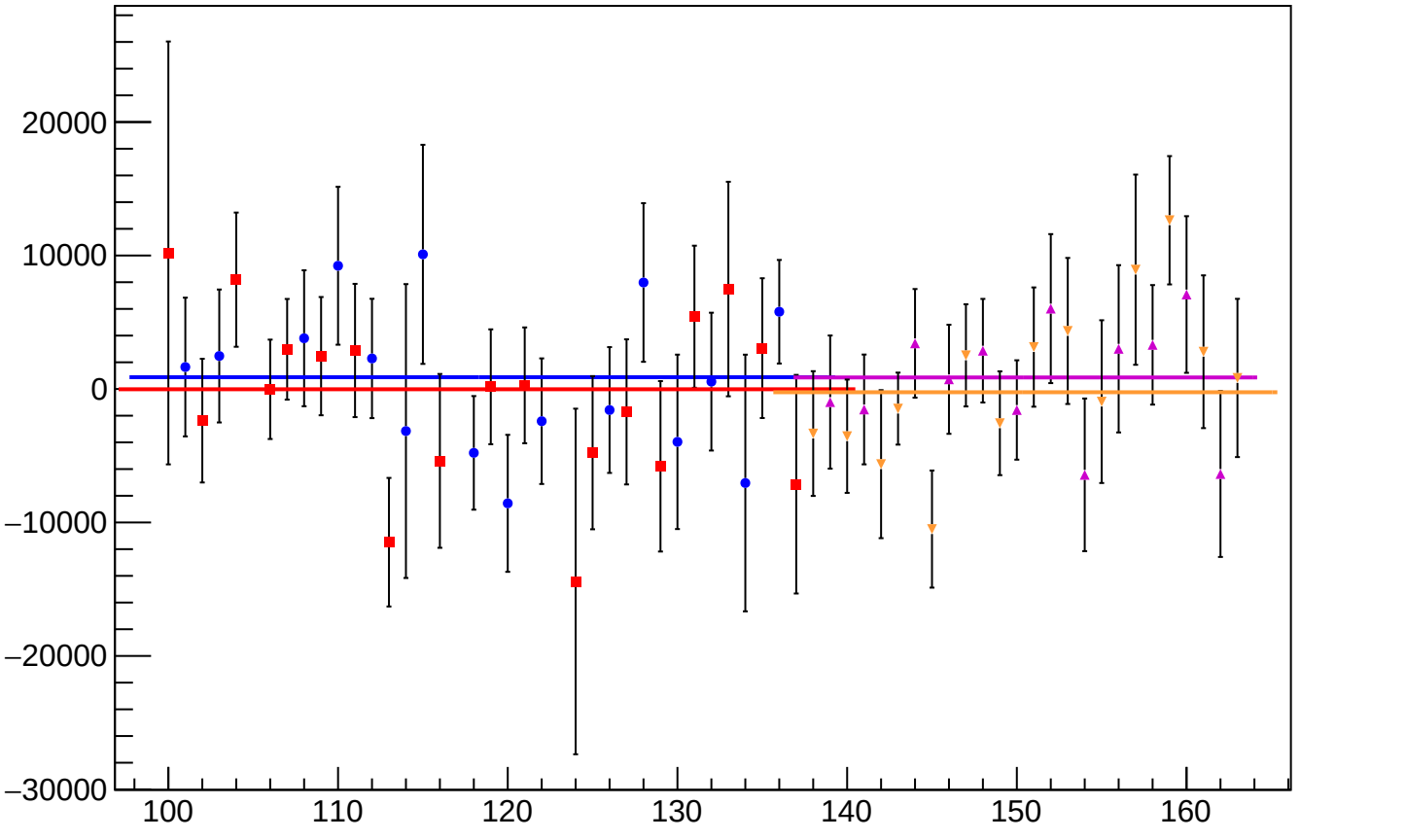
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60

- sign 1313.761+/-0.222 χ^2/NDF: 235742.4/30



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -243.880+/-1203.873 χ^2/NDF:19.0/13

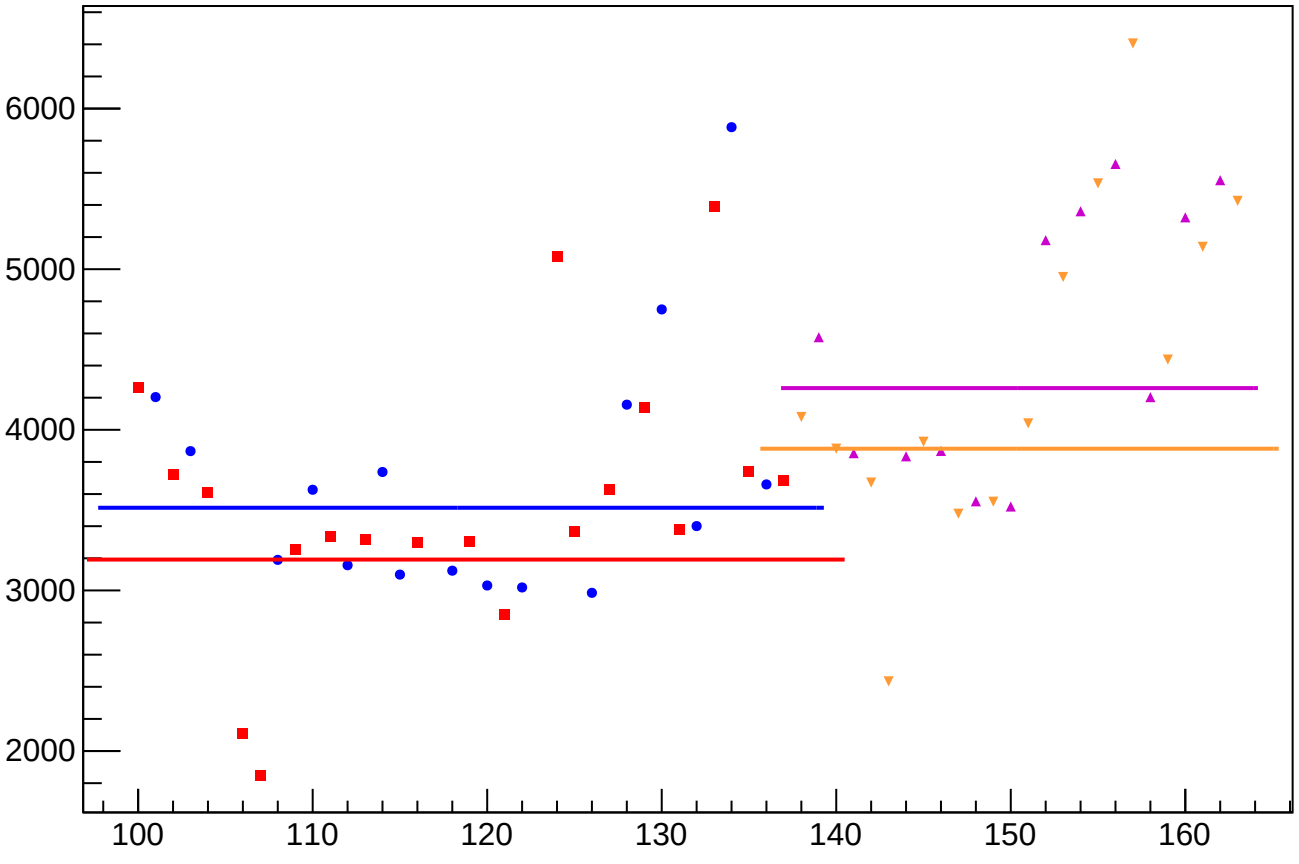
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.090 χ^2/NDF:6.9/11

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

- sign 370.832+/-896.041 χ^2/NDF: 24.0/30



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

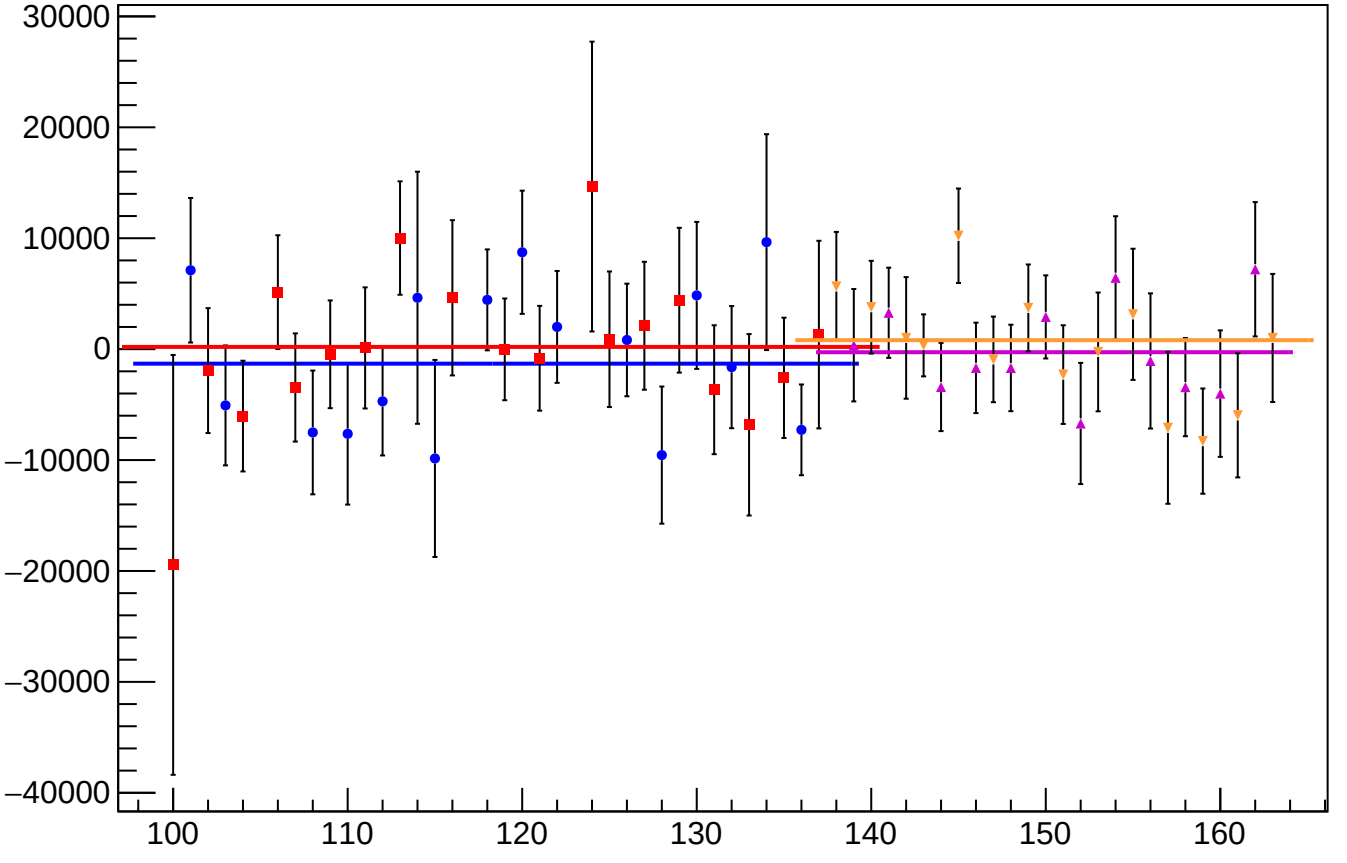
Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60

- sign 3664.546+/-0.634 χ^2/NDF: 2065346.7/30

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

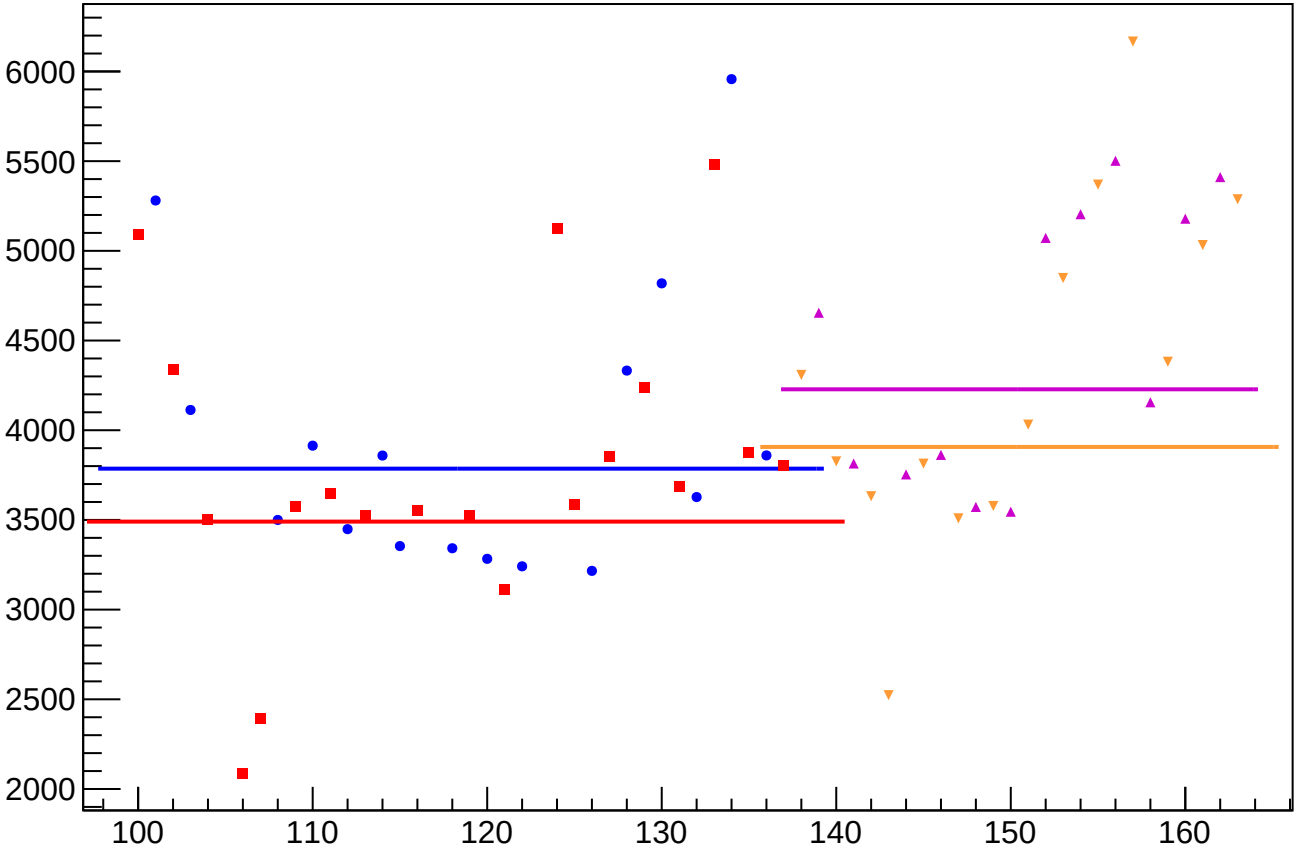
Left In: -277.474+/-1334.091 χ^2/NDF:7.7/11

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -54.318+/-659.523 χ^2/NDF: 52.6/60

- sign -38.294+/-944.041 χ^2/NDF: 19.4/30

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

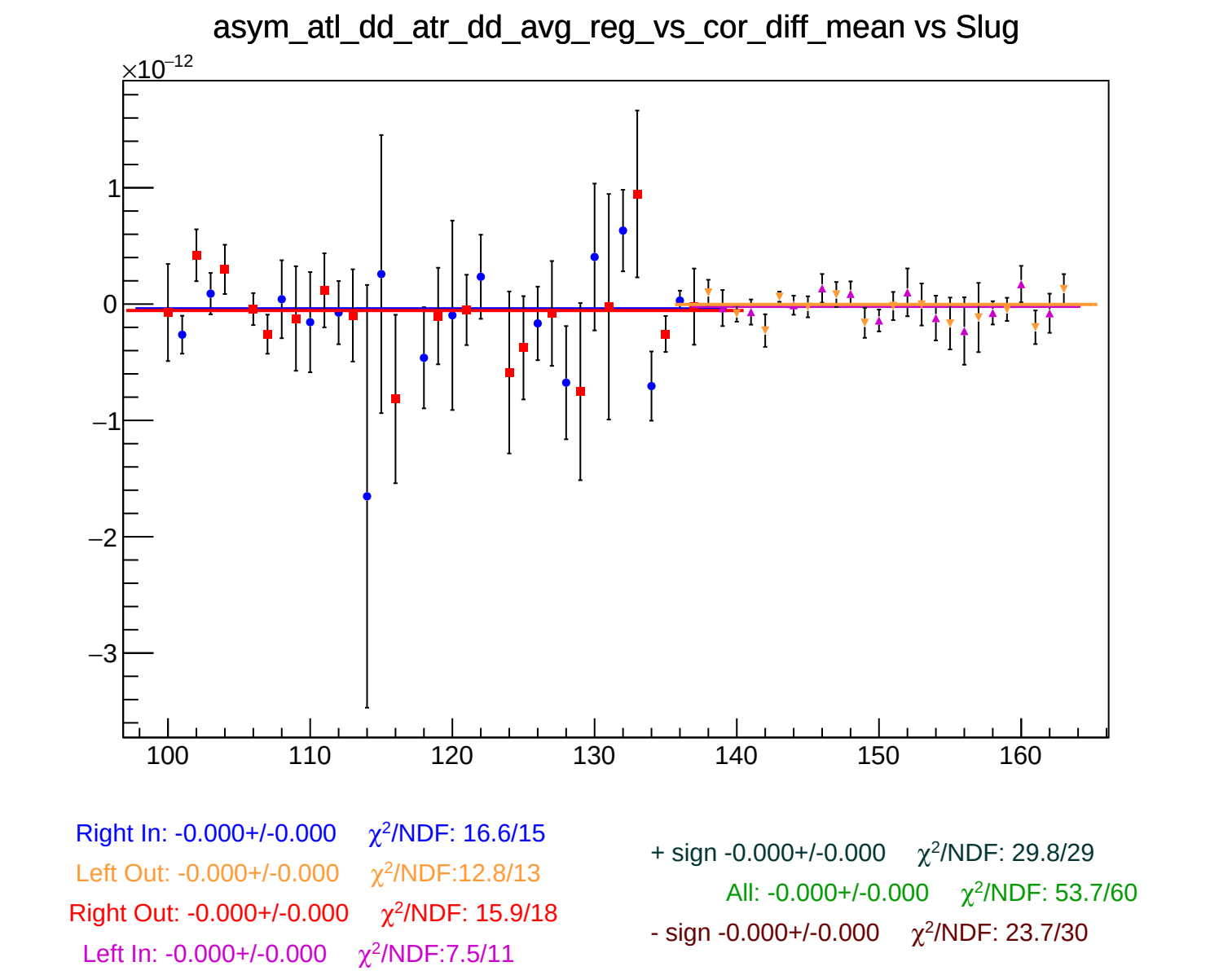
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

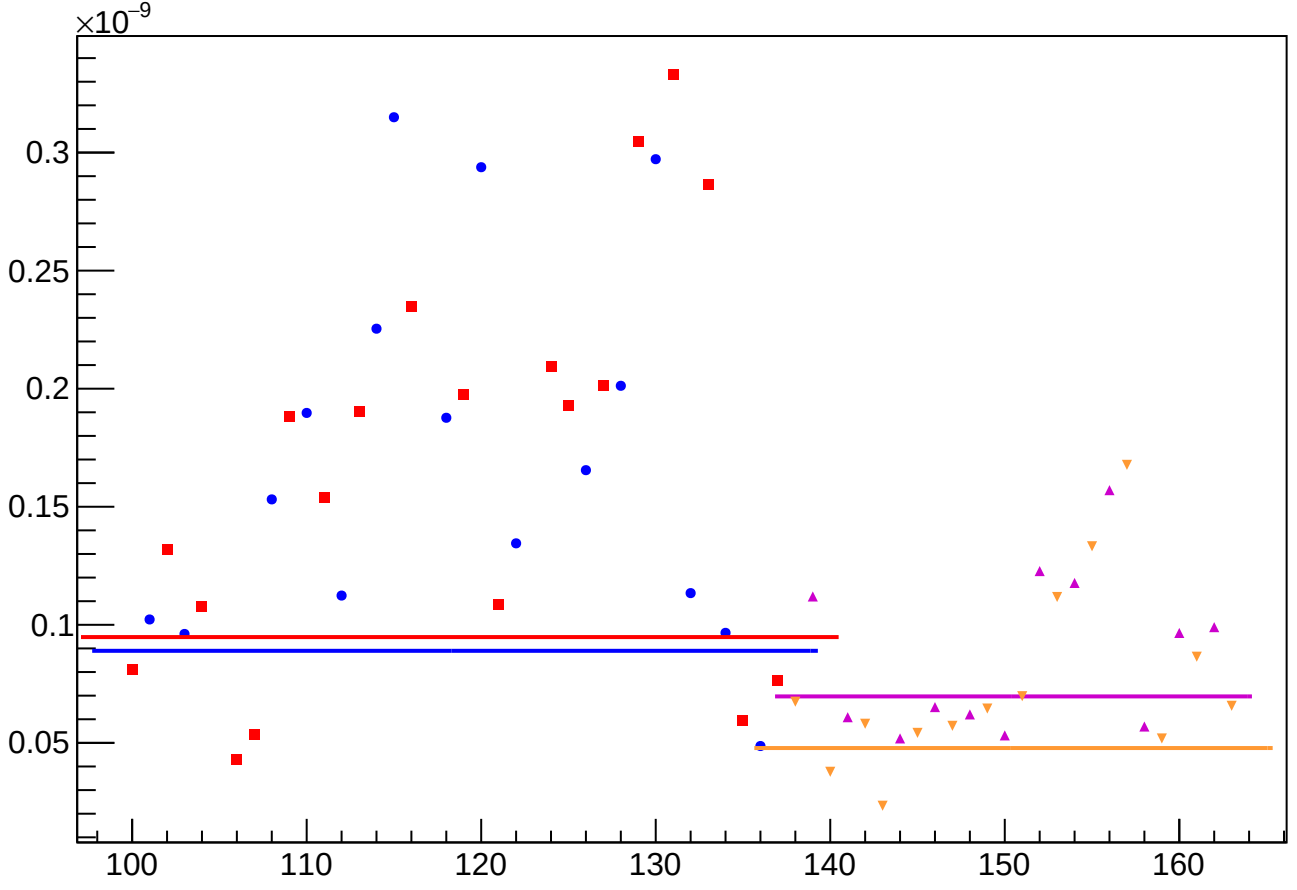
Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60

- sign 3854.839+/-0.663 χ^2/NDF: 1427930.0/30


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
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:12.8/13
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/11
+ sign -0.000+/-0.000 χ²/NDF: 29.8/29
All: -0.000+/-0.000 χ²/NDF: 53.7/60
- sign -0.000+/-0.000 χ²/NDF: 23.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

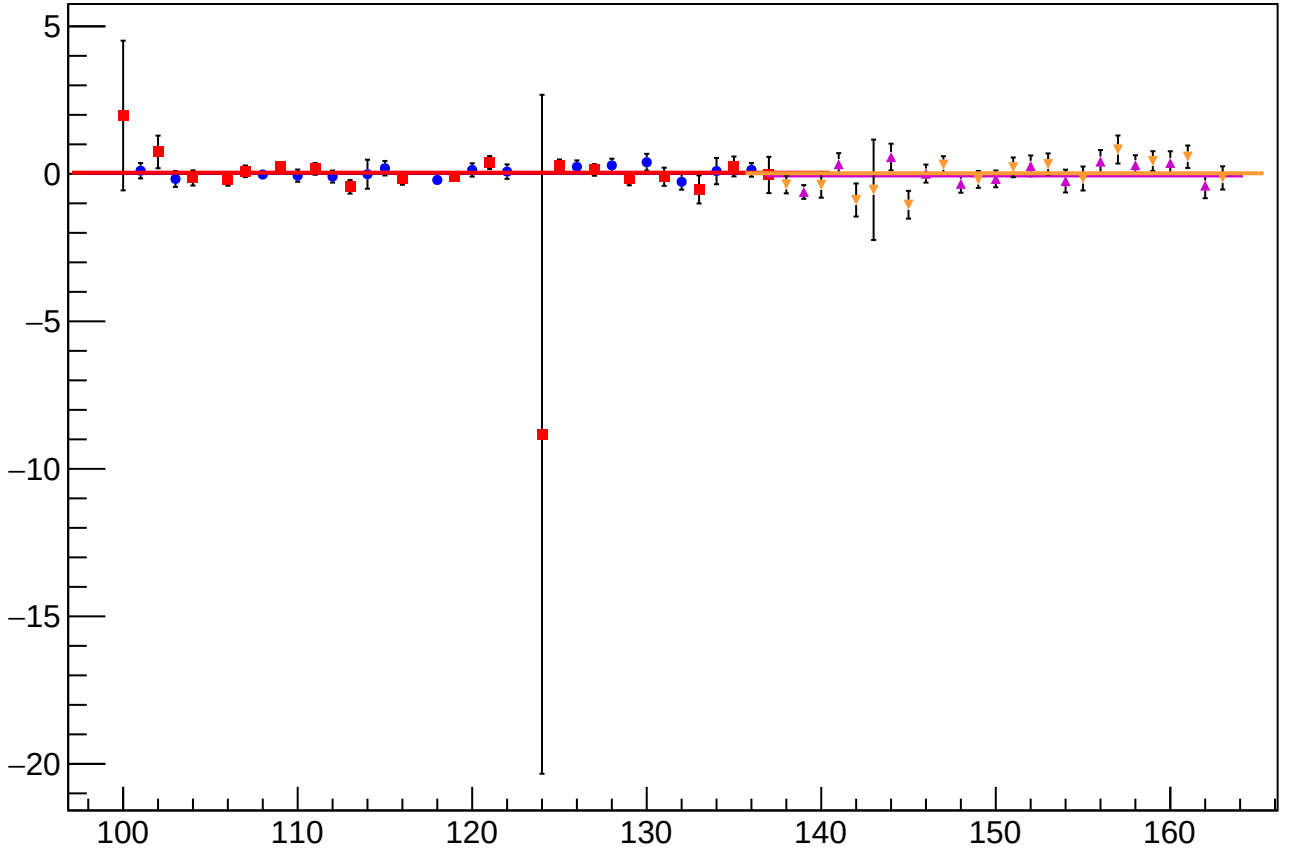
Left In: 0.000+/-0.000 χ^2/NDF:922975.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7655894.5/60

- sign 0.000+/-0.000 χ^2/NDF: 2892605.0/30

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

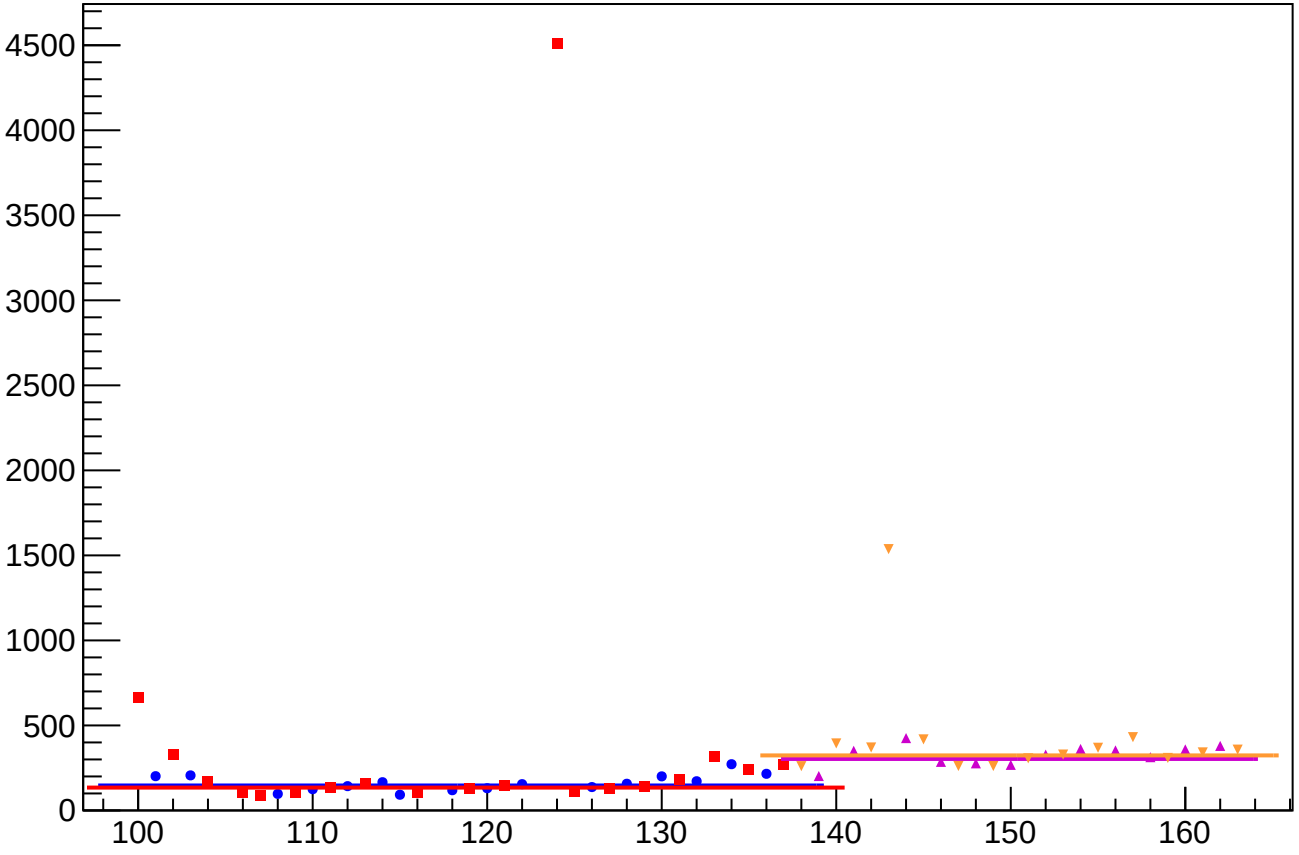
Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

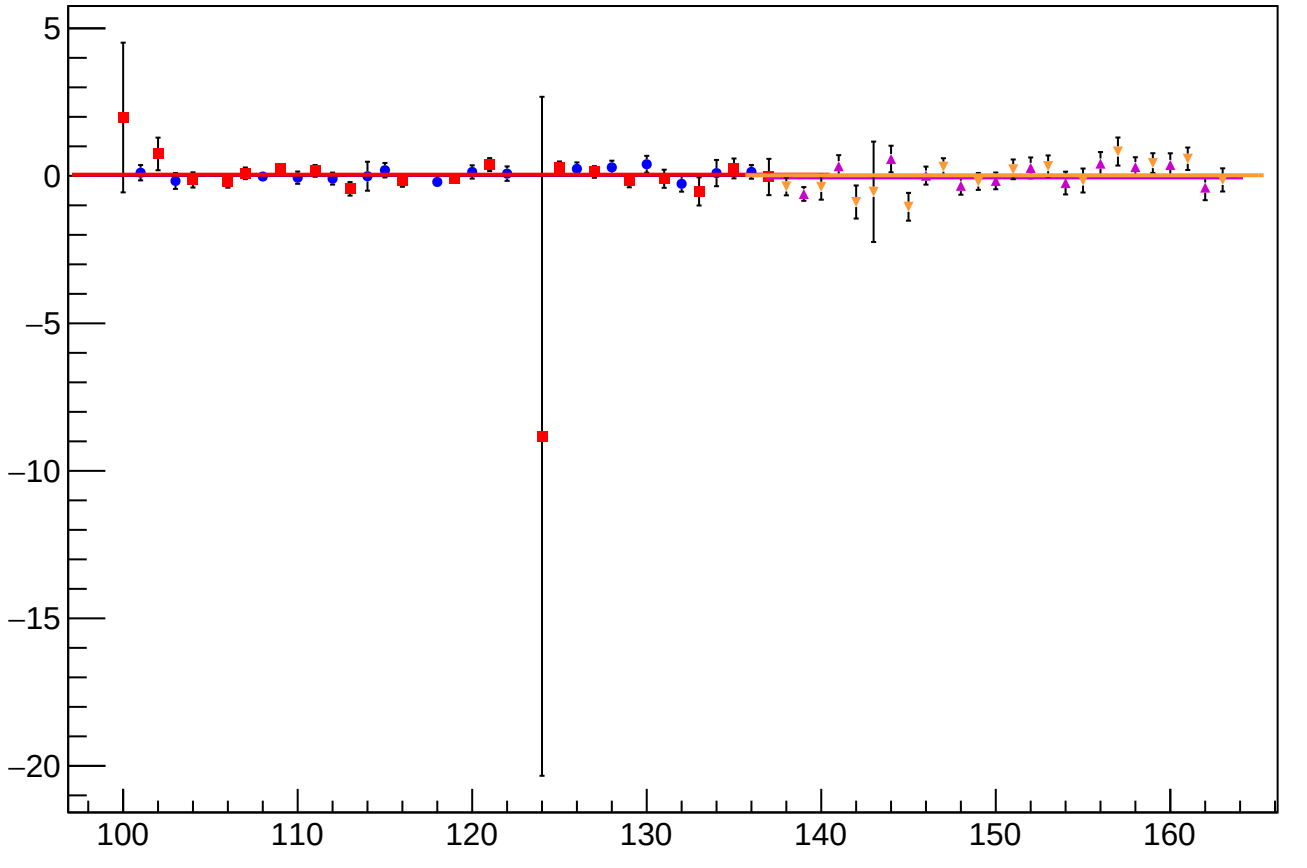
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

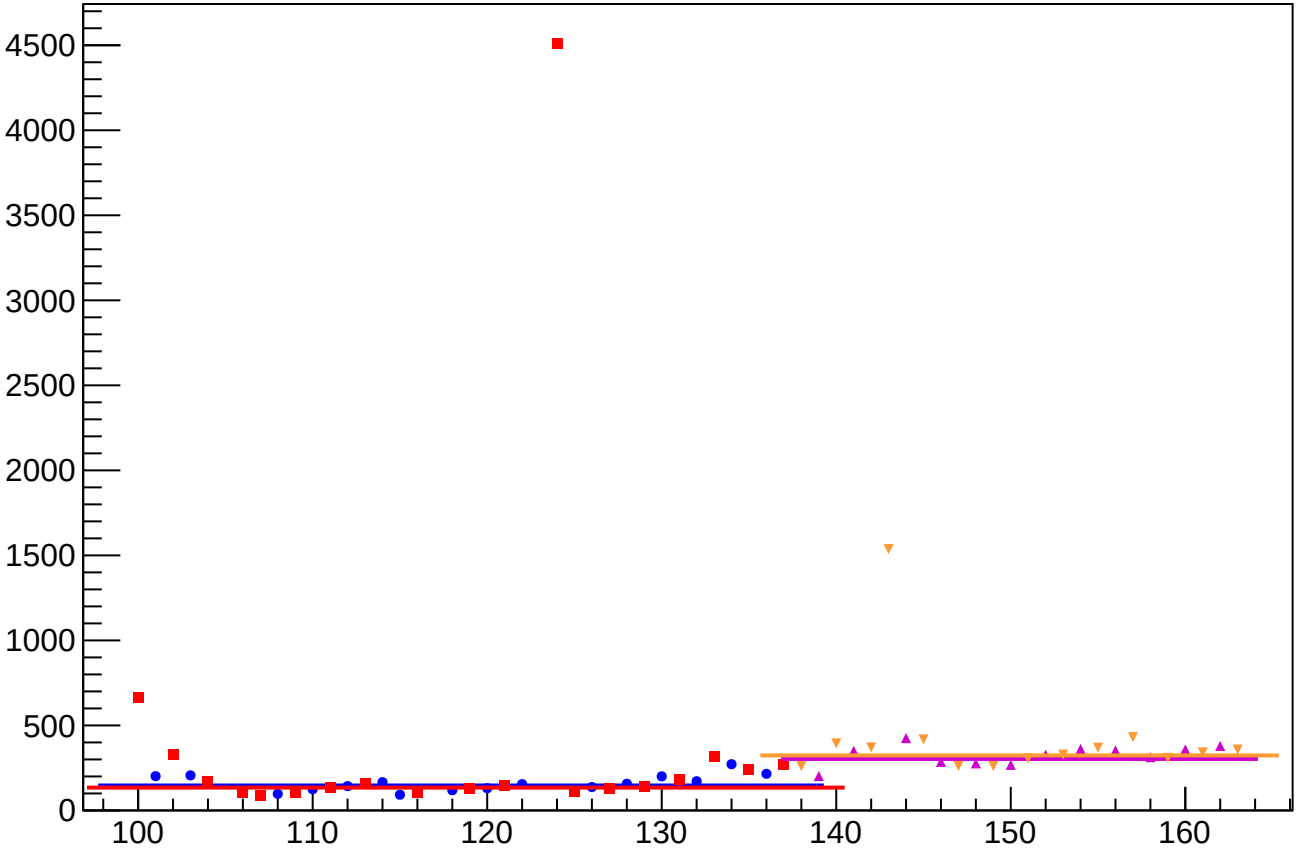
Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

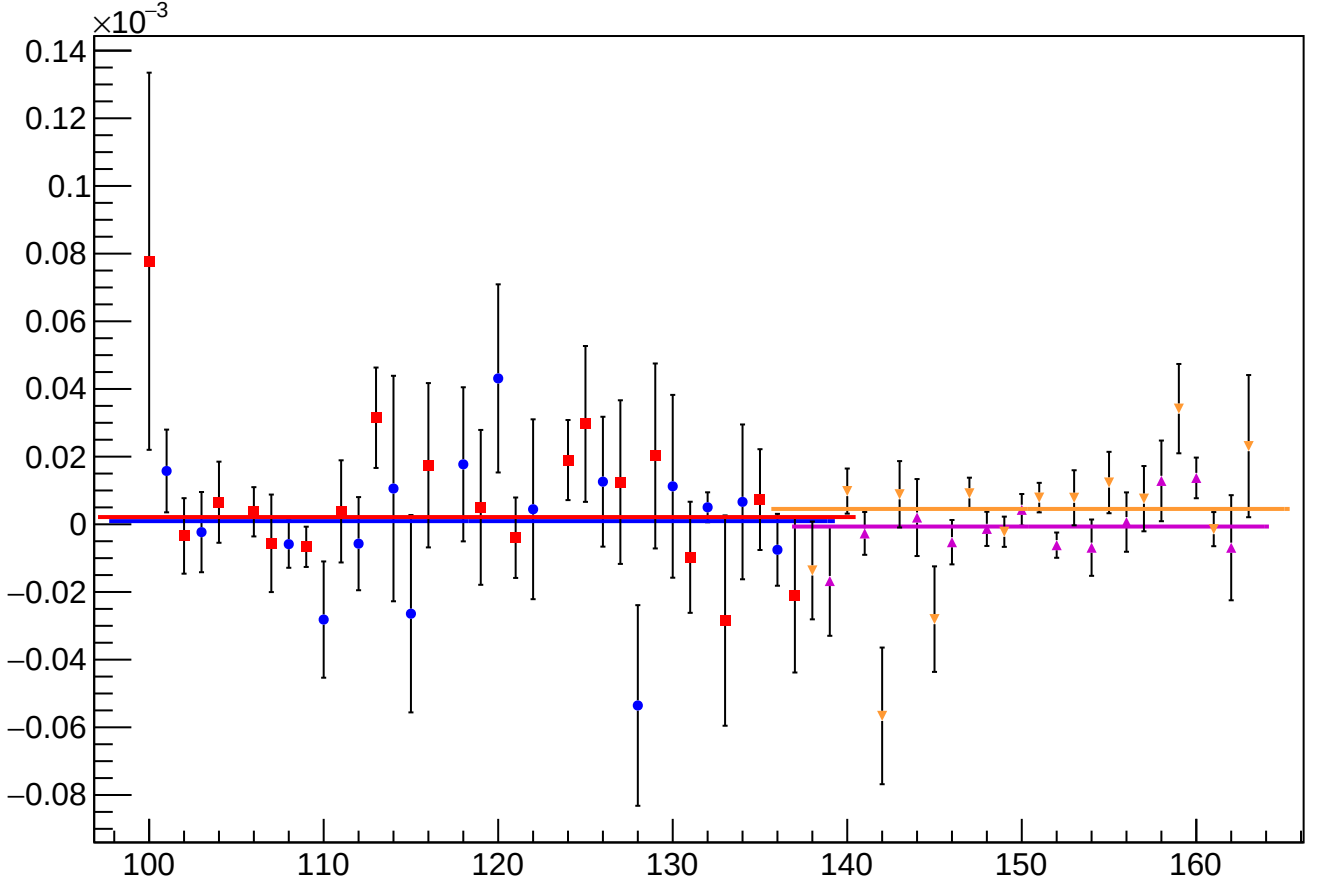
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

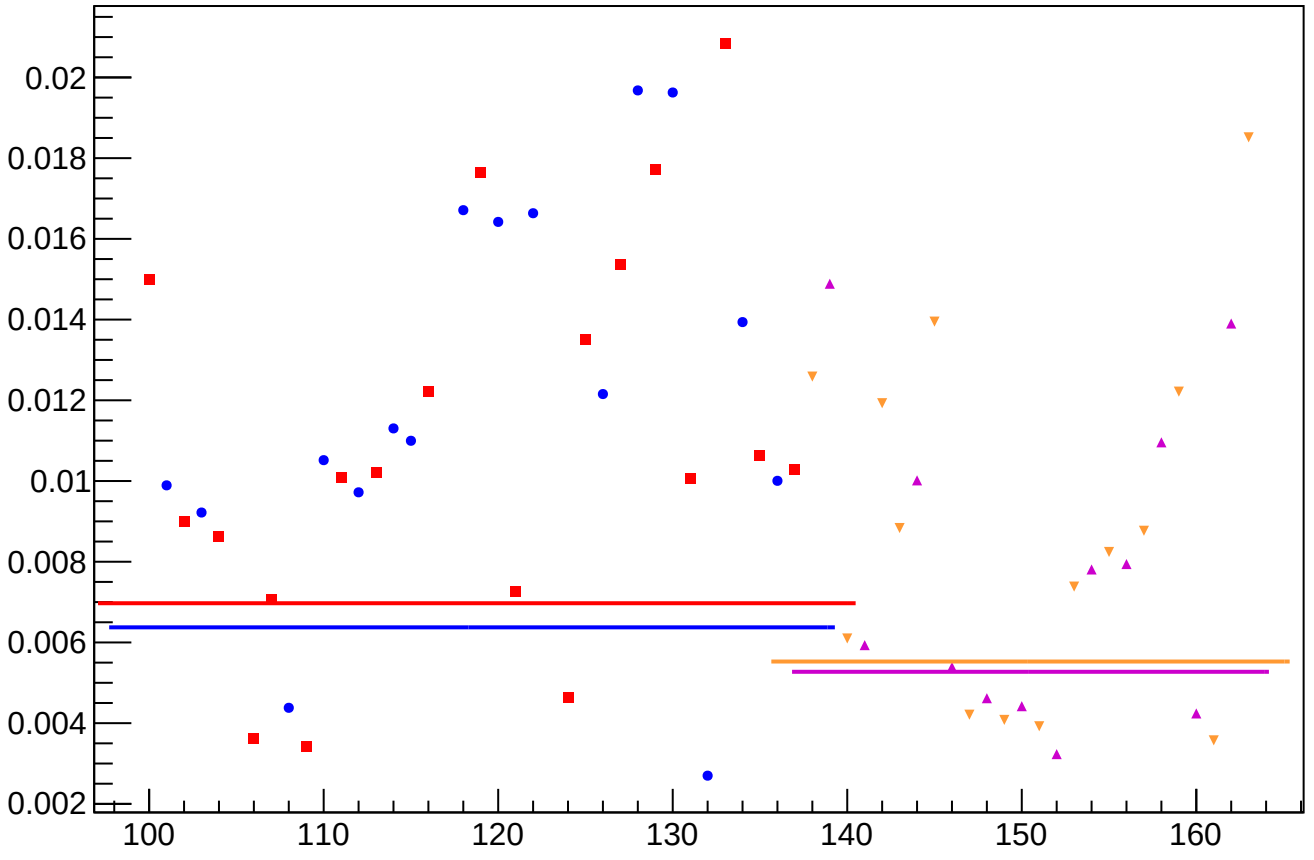
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/60

- sign 0.000+/-0.000 χ^2/NDF: 29.4/30



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

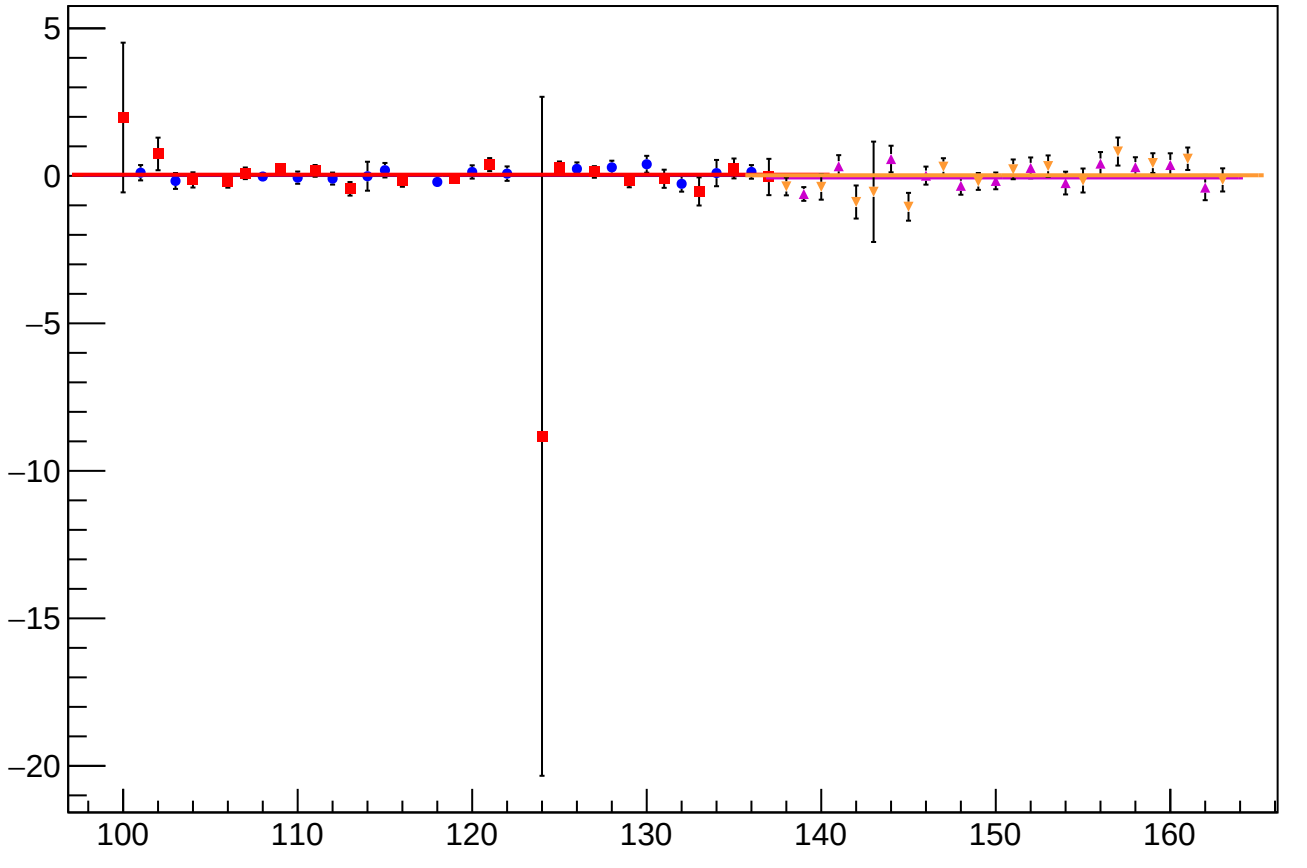
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

- sign 0.006+/-0.000 χ^2/NDF: 7141849.9/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

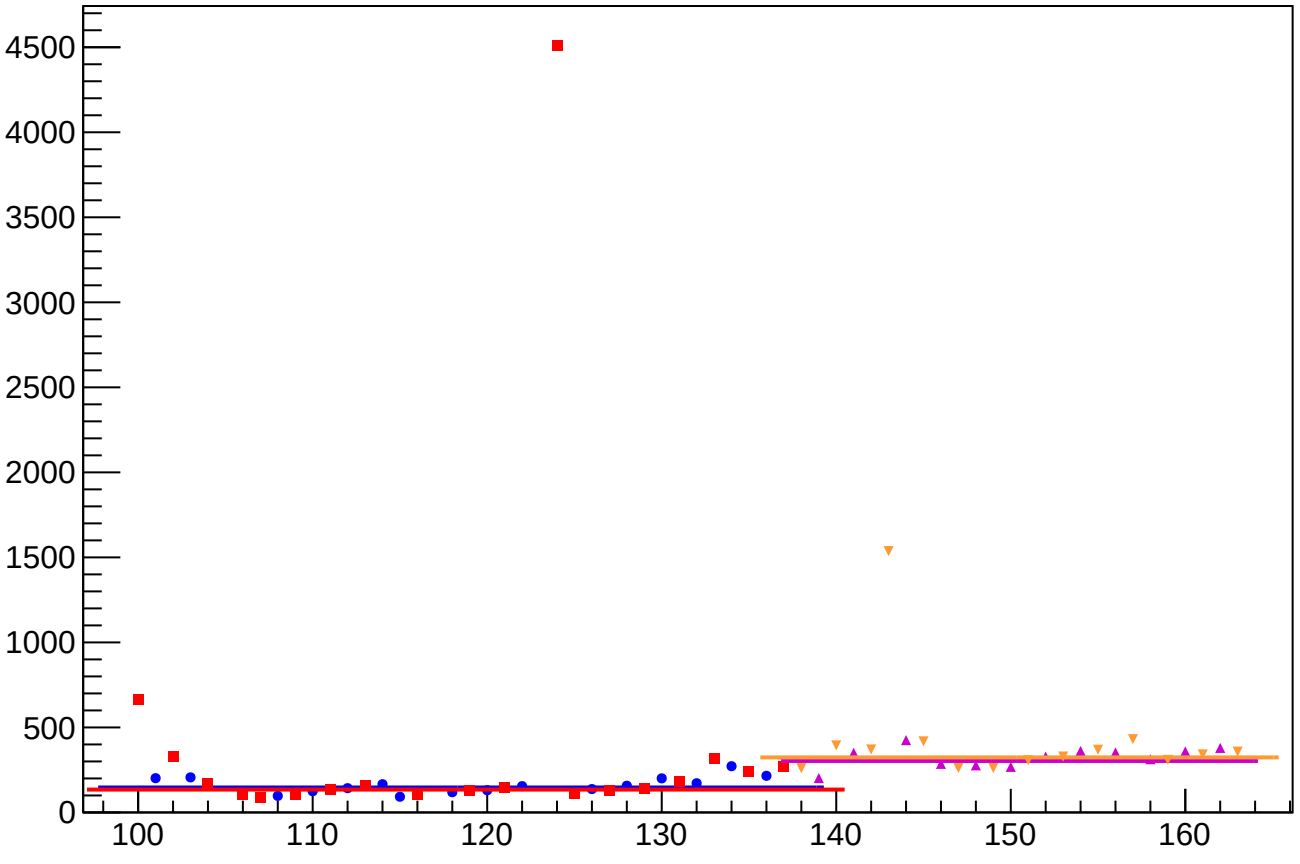
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

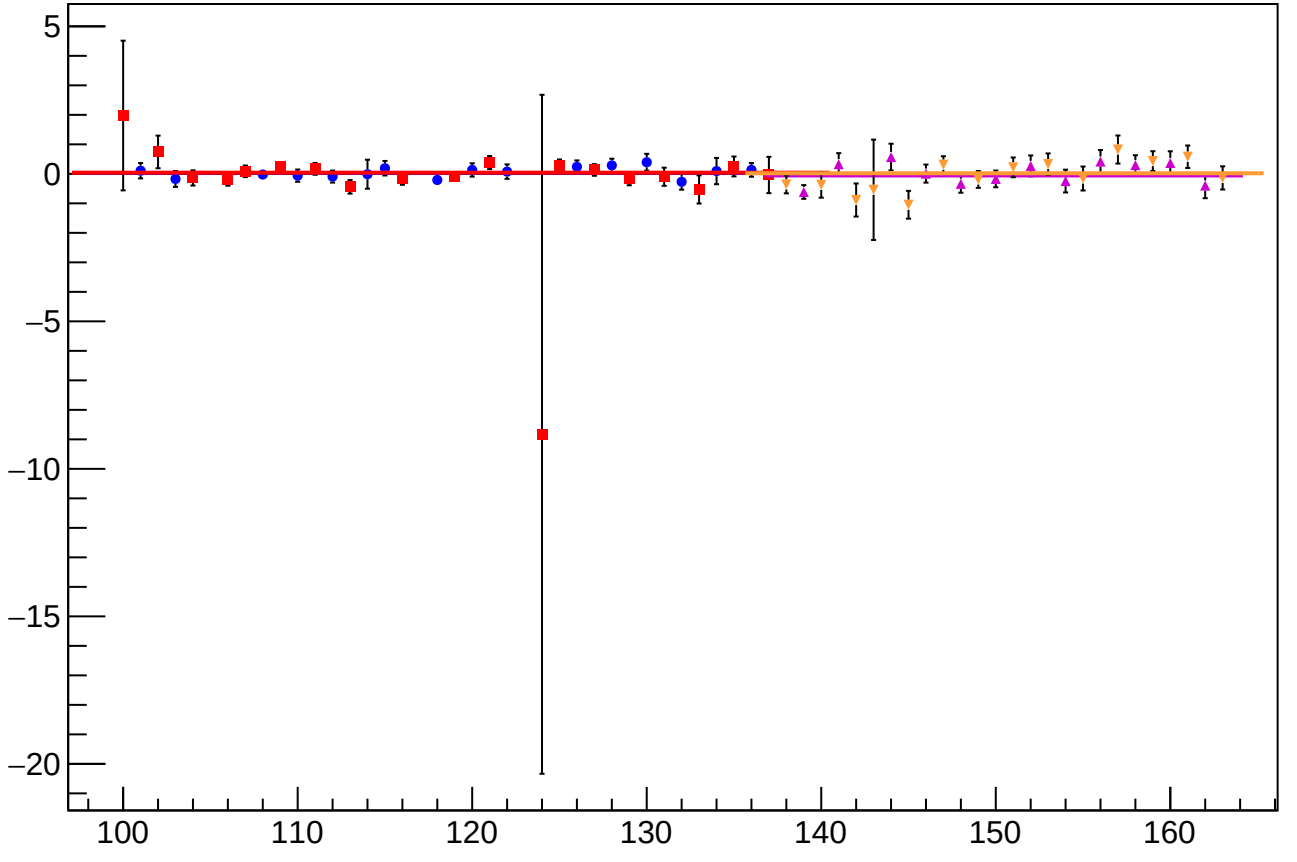
Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

- sign 175.278+/-0.034 χ^2/NDF: 6982546.0/30

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: 0.020+/-0.101 χ^2/NDF:19.8/13

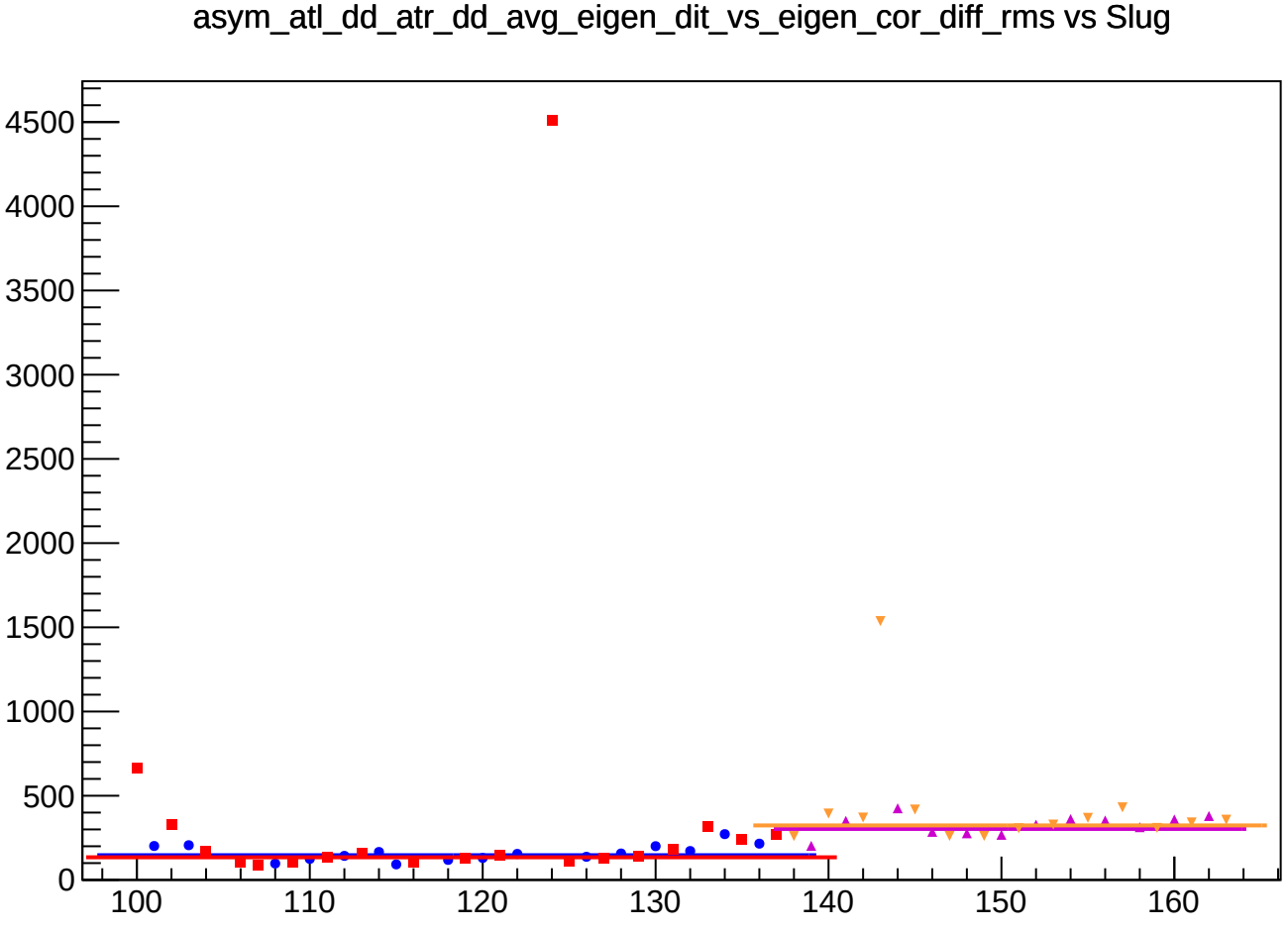
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

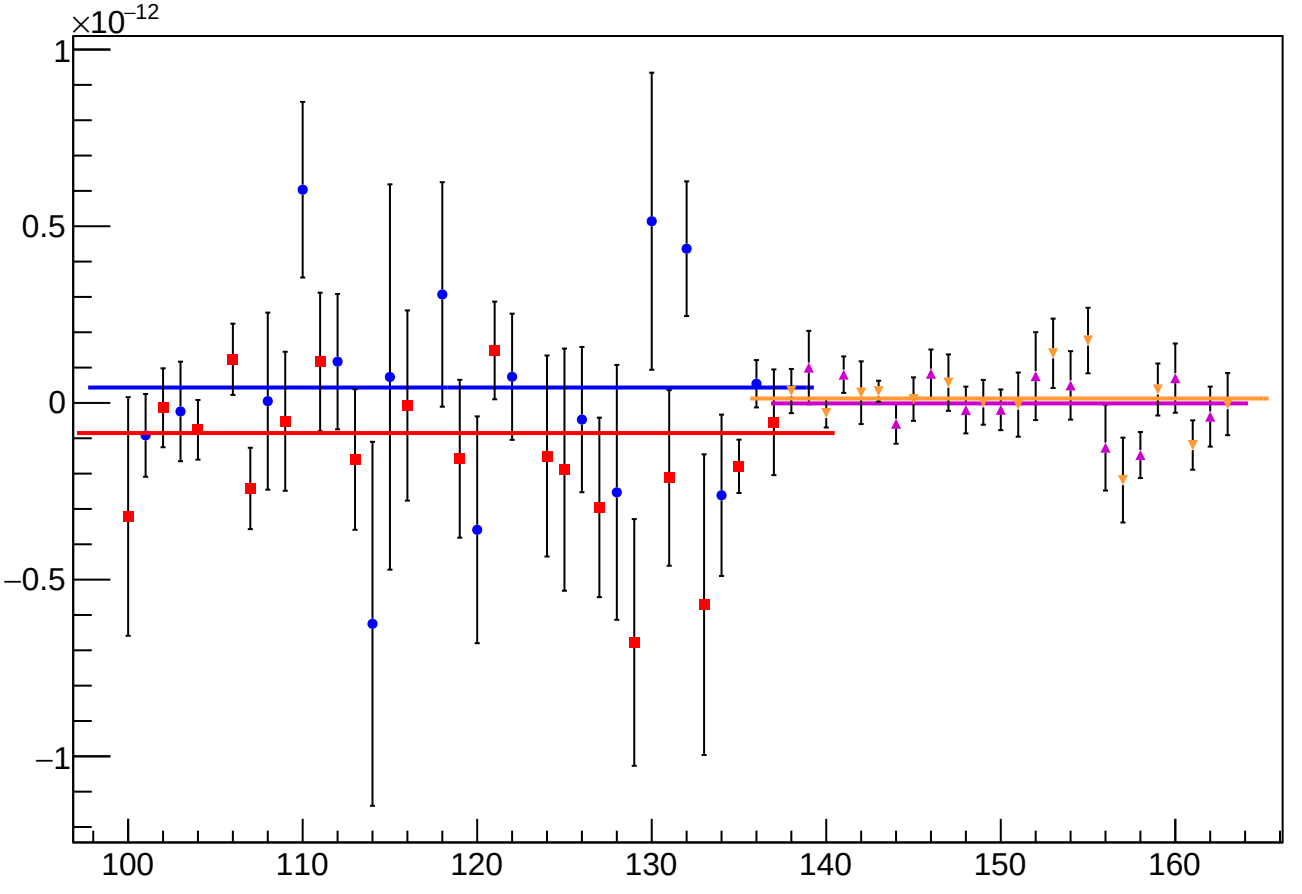
Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 323.717+/-0.071 χ²/NDF:1595999.4/13
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 302.889+/-0.069 χ²/NDF:800491.6/11
+ sign 190.306+/-0.035 χ²/NDF: 7214274.6/29
All: 182.420+/-0.024 χ²/NDF: 14291207.0/60
- sign 175.278+/-0.034 χ²/NDF: 6982546.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

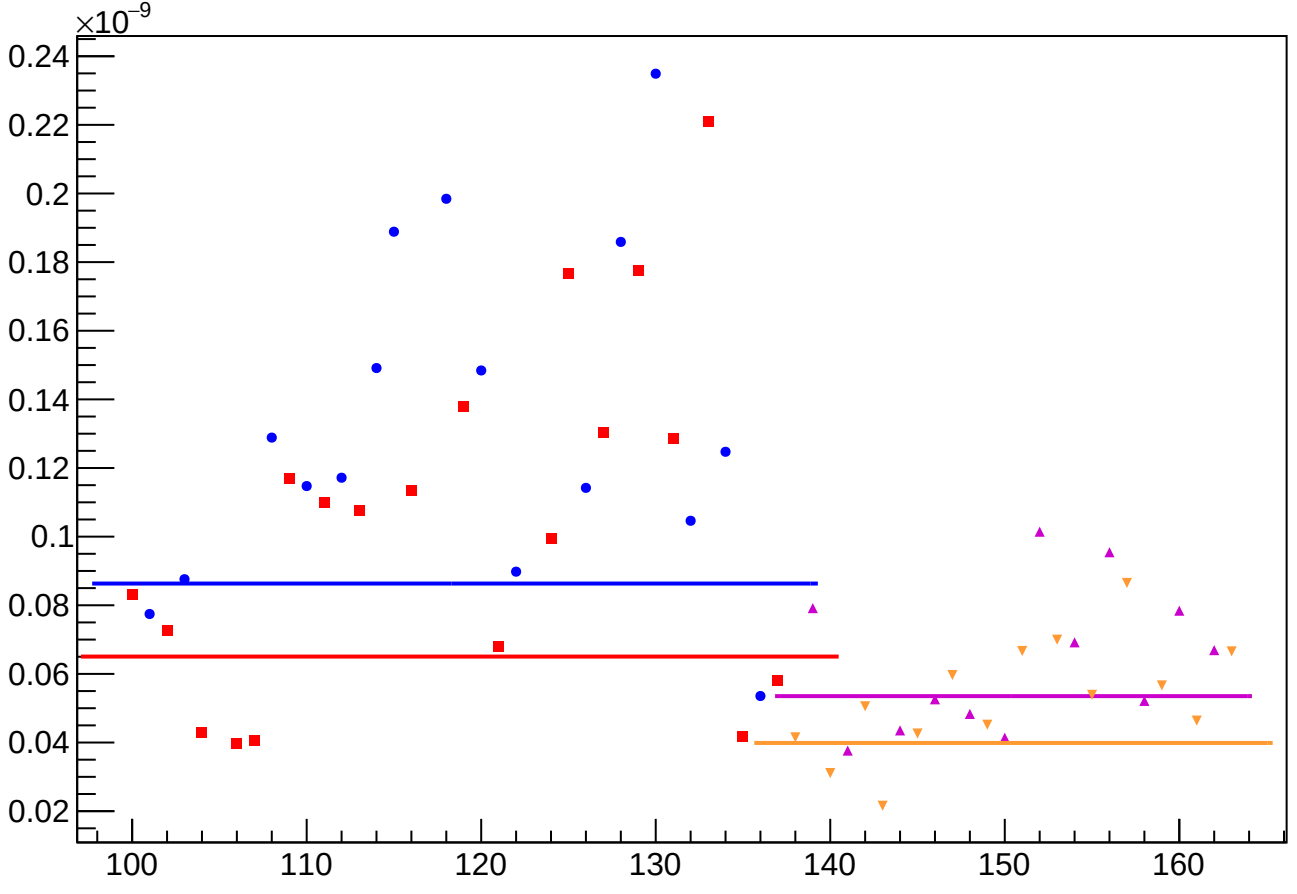
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 72.9/60

- sign -0.000+/-0.000 χ^2/NDF: 36.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

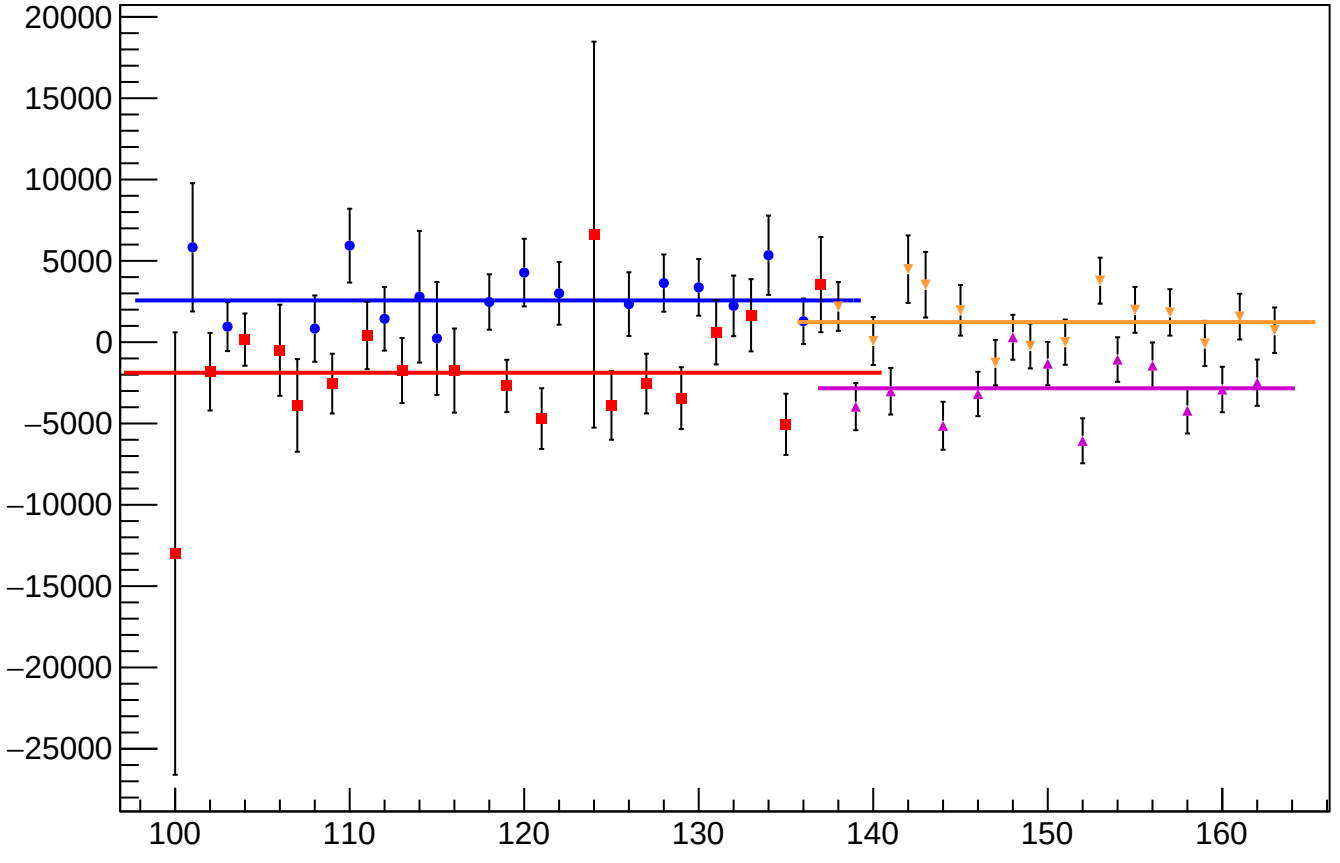
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3566079.8/30

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.851+/-395.907 χ^2/NDF:14.9/13

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

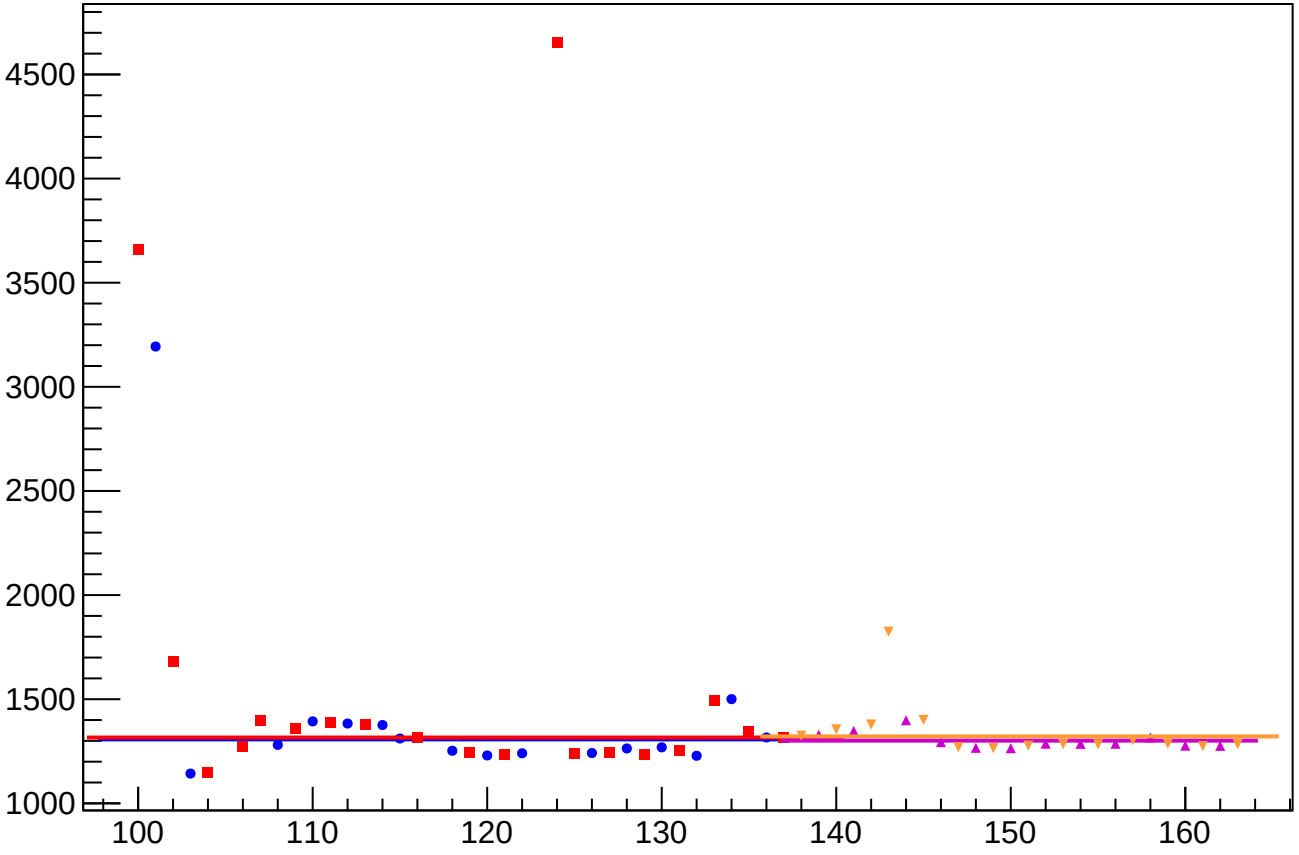
Left In: -2835.665+/-404.343 χ^2/NDF:18.7/11

+ sign 1754.888+/-309.268 χ^2/NDF: 28.4/29

All: -322.886+/-220.020 χ^2/NDF: 160.3/60

- sign -2452.149+/-313.077 χ^2/NDF: 40.5/30

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

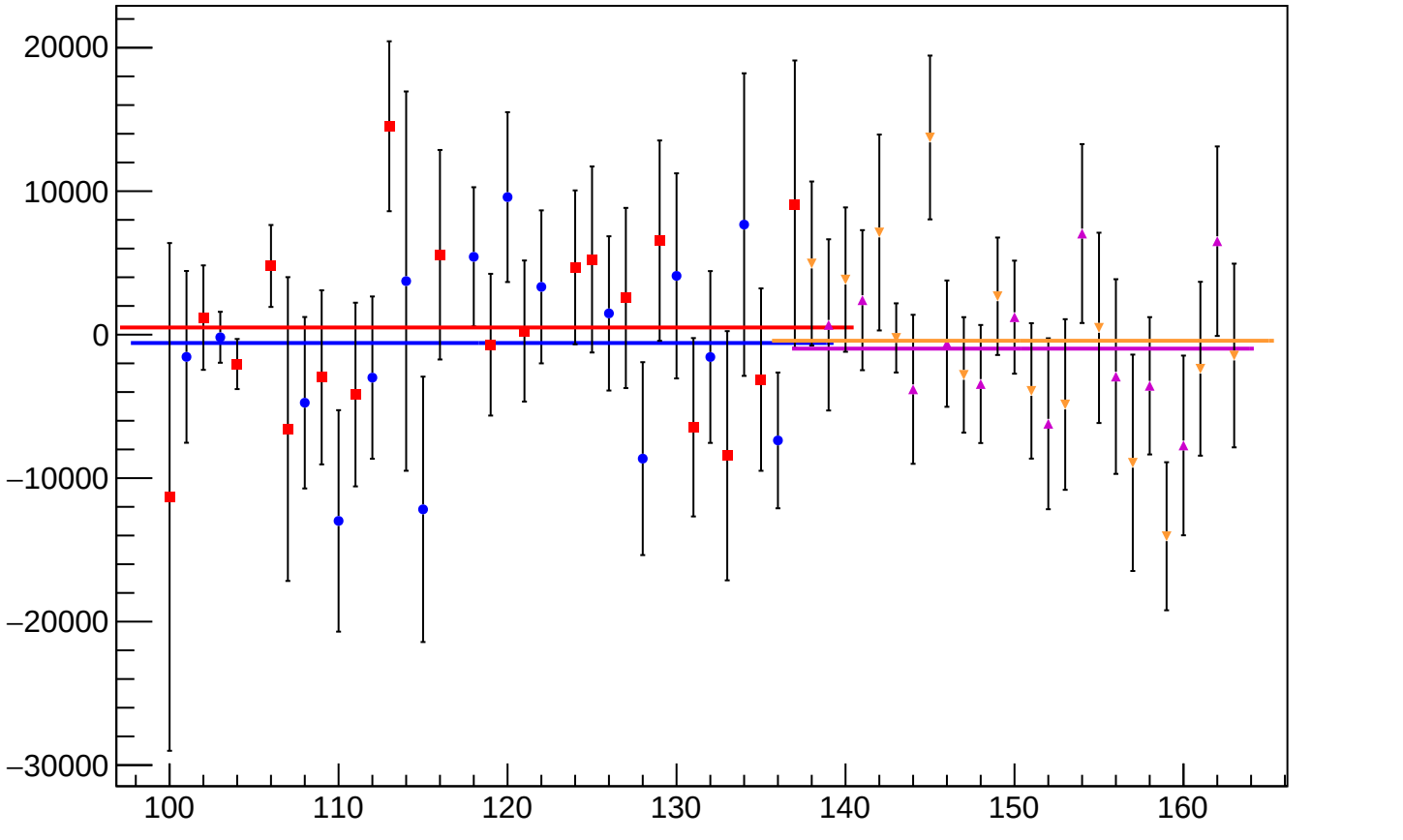
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

+ sign 1315.824+/-0.219 χ^2/NDF: 665150.9/29

All: 1311.495+/-0.155 χ^2/NDF: 1010057.0/60

- sign 1307.068+/-0.221 χ^2/NDF: 344113.5/30



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -424.907+/-1271.494 χ^2/NDF:19.4/13

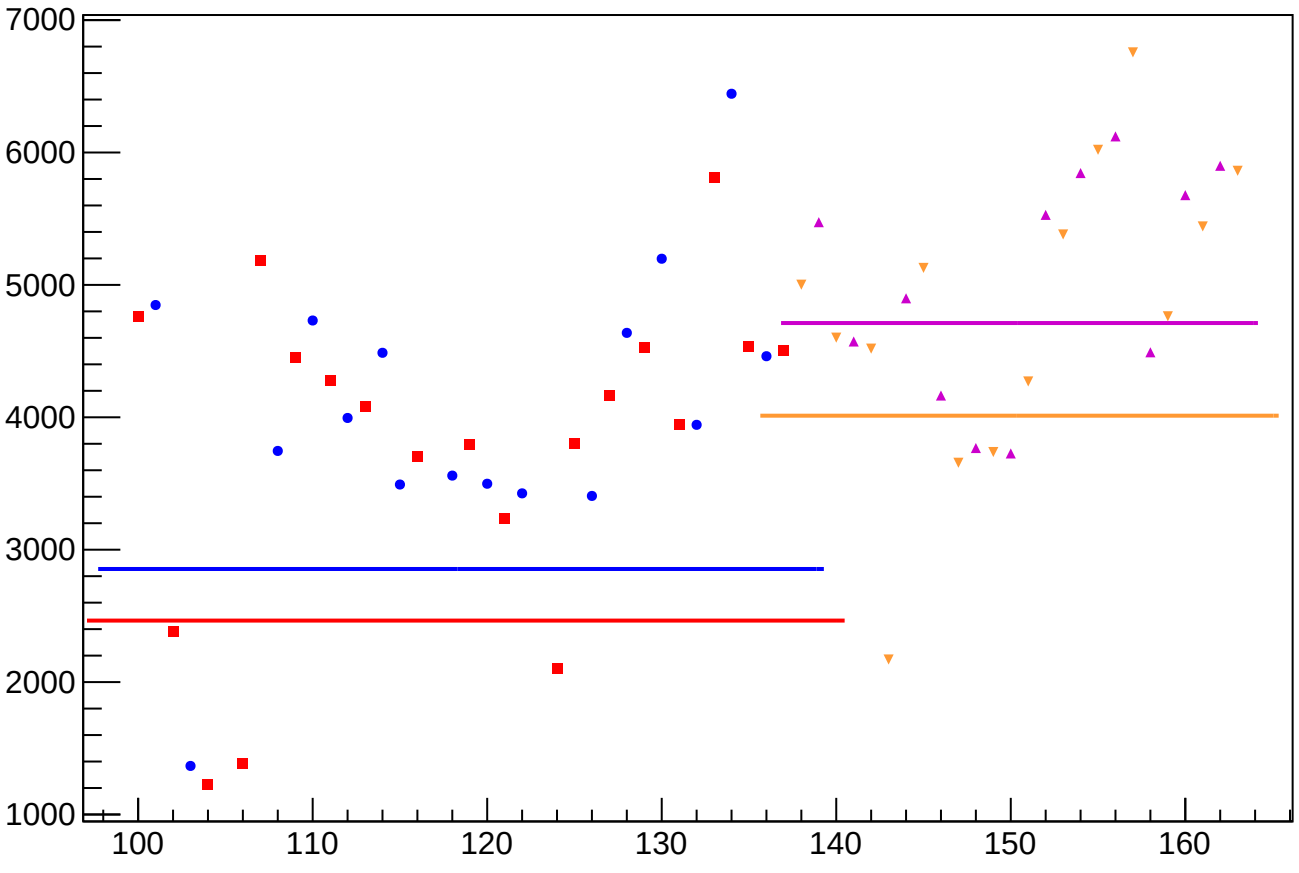
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -975.014+/-1490.650 χ^2/NDF:6.8/11

+ sign -508.349+/-869.952 χ^2/NDF: 34.2/29

All: -247.855+/-612.096 χ^2/NDF: 59.5/60

- sign 7.533+/-861.381 χ^2/NDF: 25.1/30



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4012.175+/-0.899 χ^2/NDF:2247461.9/13

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

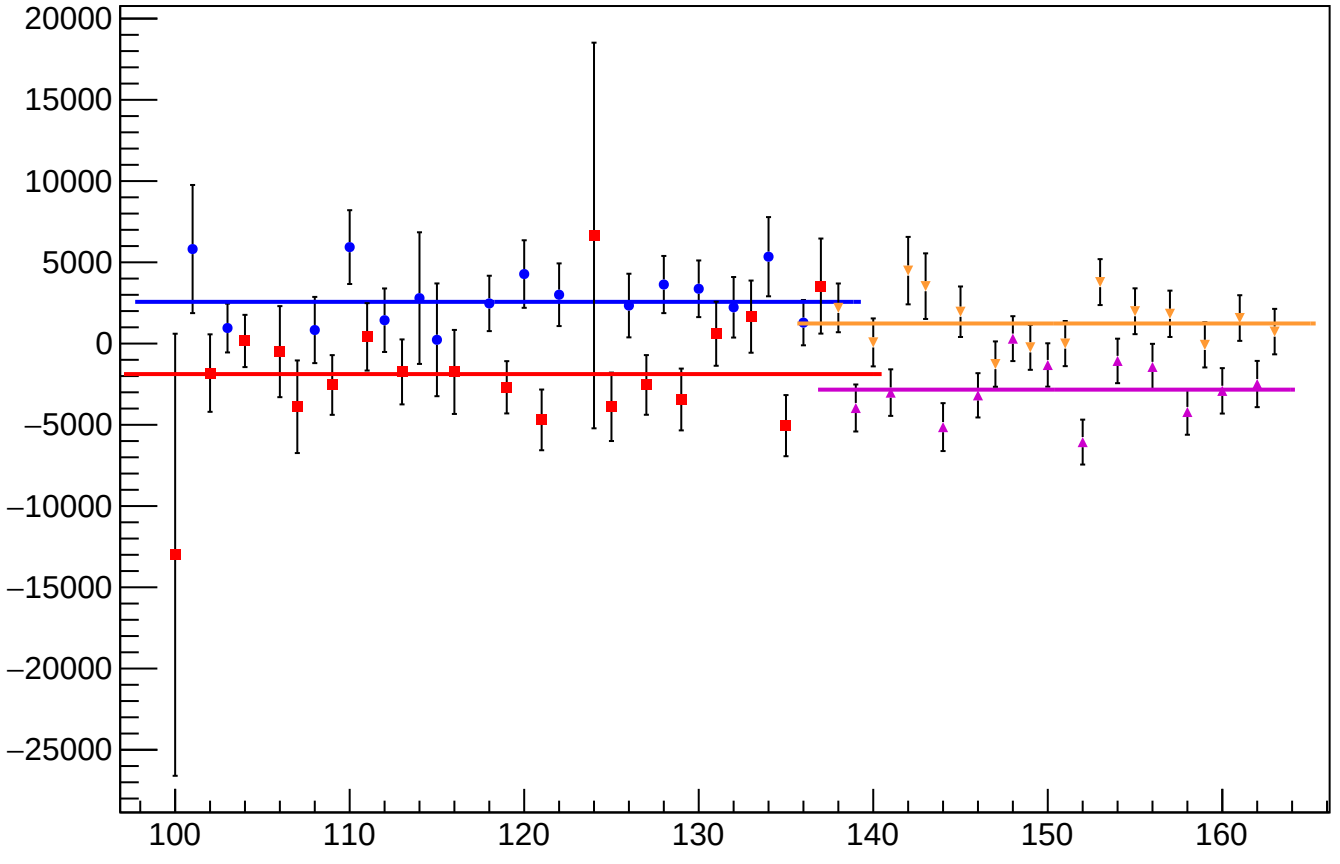
Left In: 4711.980+/-1.054 χ^2/NDF:604698.8/11

+ sign 3396.330+/-0.615 χ^2/NDF: 6034418.3/29

All: 3304.784+/-0.433 χ^2/NDF: 13066968.3/6

- sign 3215.034+/-0.609 χ^2/NDF: 6988690.6/30

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

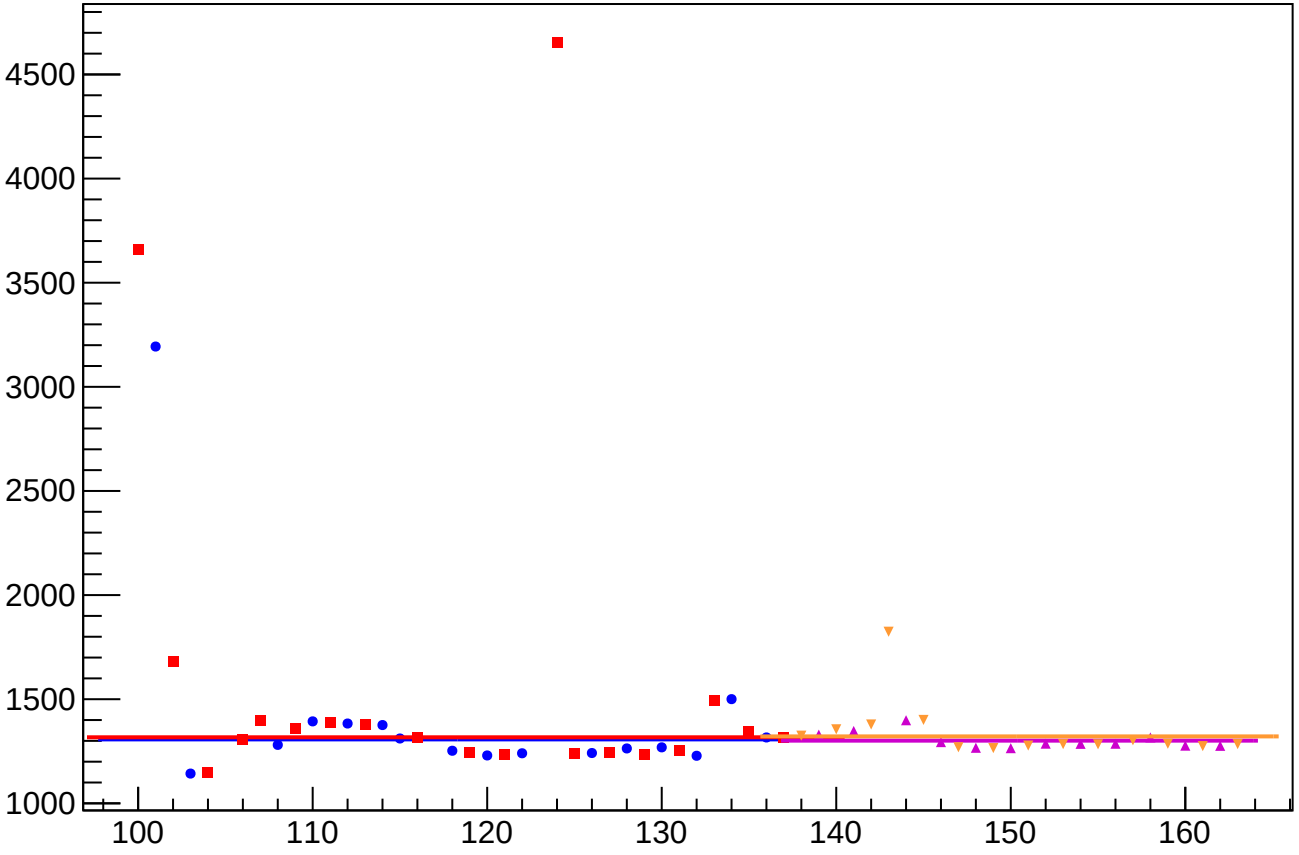
Left In: -2835.754+/-404.343 χ^2/NDF:18.7/11

+ sign 1754.739+/-309.268 χ^2/NDF: 28.4/29

All: -322.938+/-220.020 χ^2/NDF: 160.2/60

- sign -2452.099+/-313.077 χ^2/NDF: 40.5/30

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

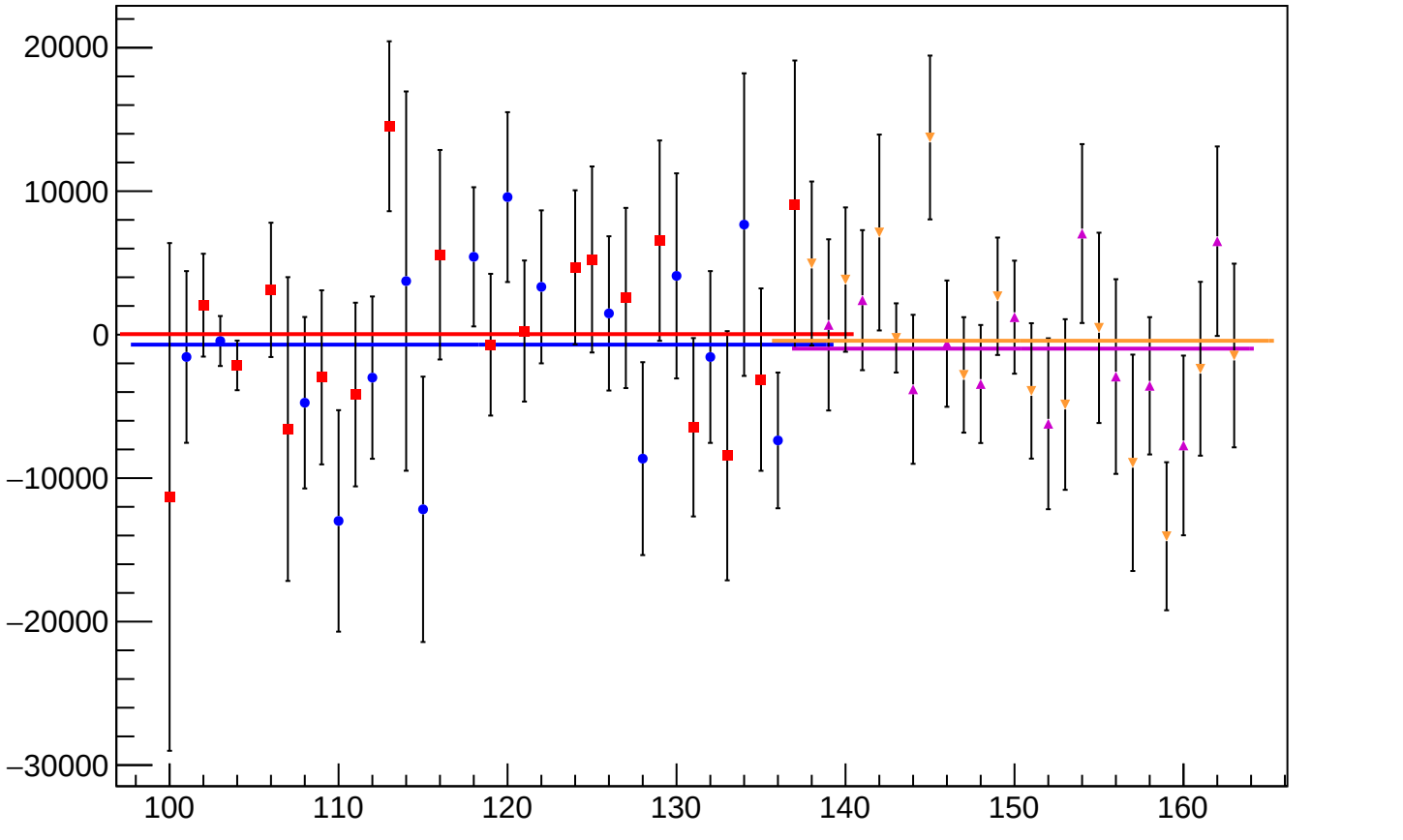
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

+ sign 1315.824+/-0.219 χ^2/NDF: 665152.4/29

All: 1311.718+/-0.156 χ^2/NDF: 1009656.8/60

- sign 1307.516+/-0.221 χ^2/NDF: 343791.1/30



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -424.922+/-1271.489 χ^2/NDF:19.4/13

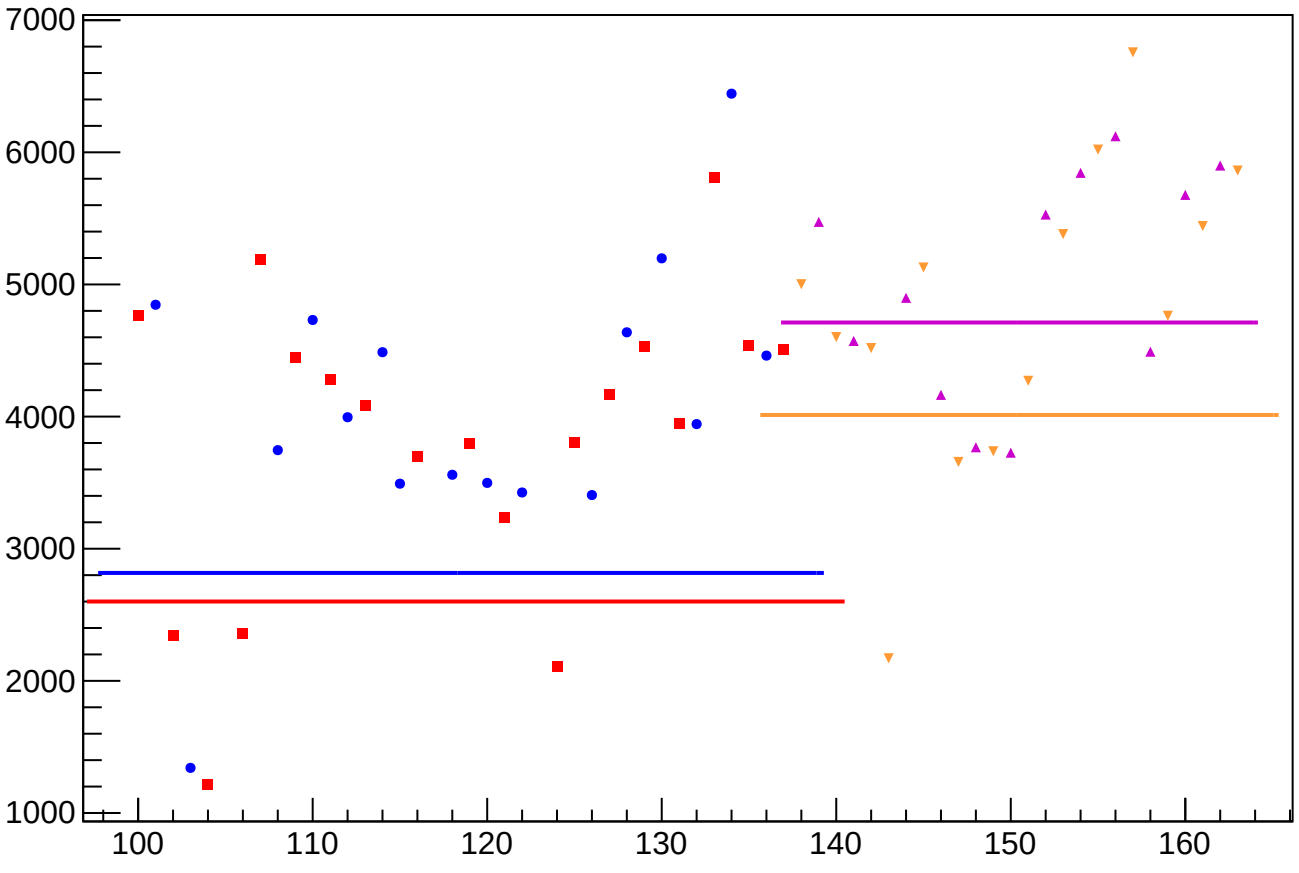
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -975.096+/-1490.650 χ^2/NDF:6.8/11

+ sign -569.884+/-865.880 χ^2/NDF: 34.1/29

All: -447.379+/-618.633 χ^2/NDF: 57.2/60

- sign -319.645+/-884.165 χ^2/NDF: 23.0/30



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

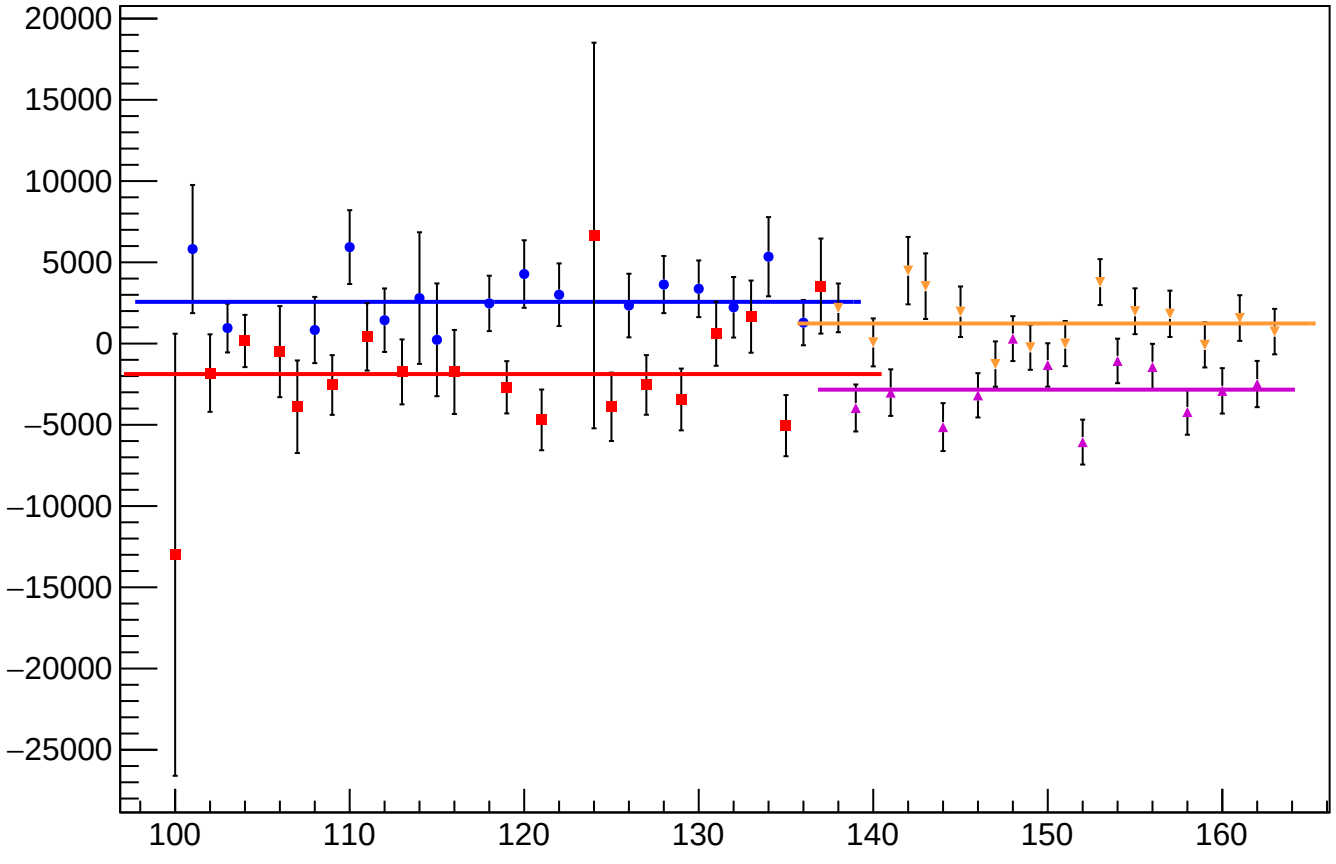
Left In: 4711.979+/-1.054 χ^2/NDF:604704.6/11

+ sign 3371.143+/-0.612 χ^2/NDF: 6203022.0/29

All: 3357.546+/-0.437 χ^2/NDF: 12490507.2/6

- sign 3343.367+/-0.625 χ^2/NDF: 6286477.6/30

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: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

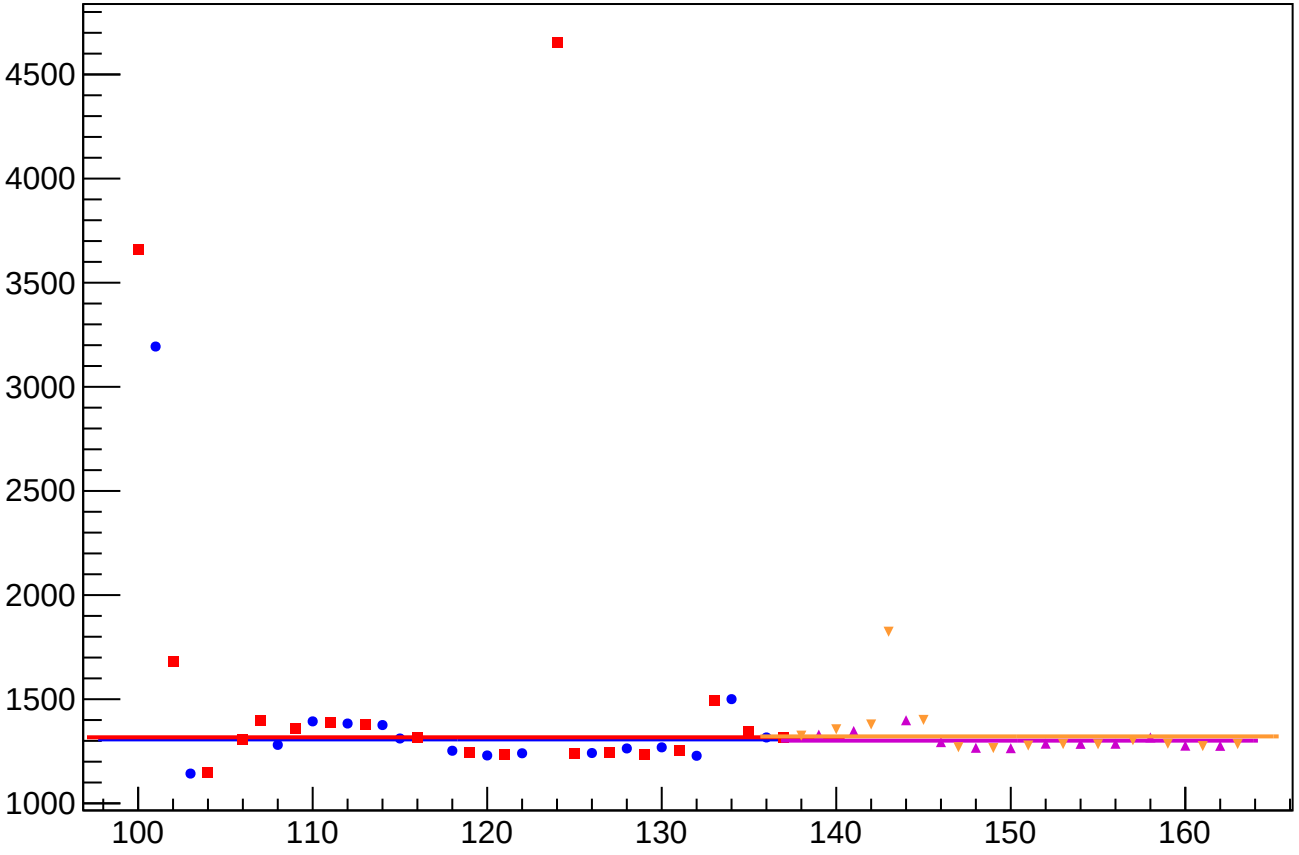
Left In: -2835.754+/-404.343 χ^2/NDF:18.7/11

+ sign 1754.739+/-309.268 χ^2/NDF: 28.4/29

All: -322.938+/-220.020 χ^2/NDF: 160.2/60

- sign -2452.099+/-313.077 χ^2/NDF: 40.5/30

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: 1321.417+/-0.280 χ^2/NDF:147877.9/13

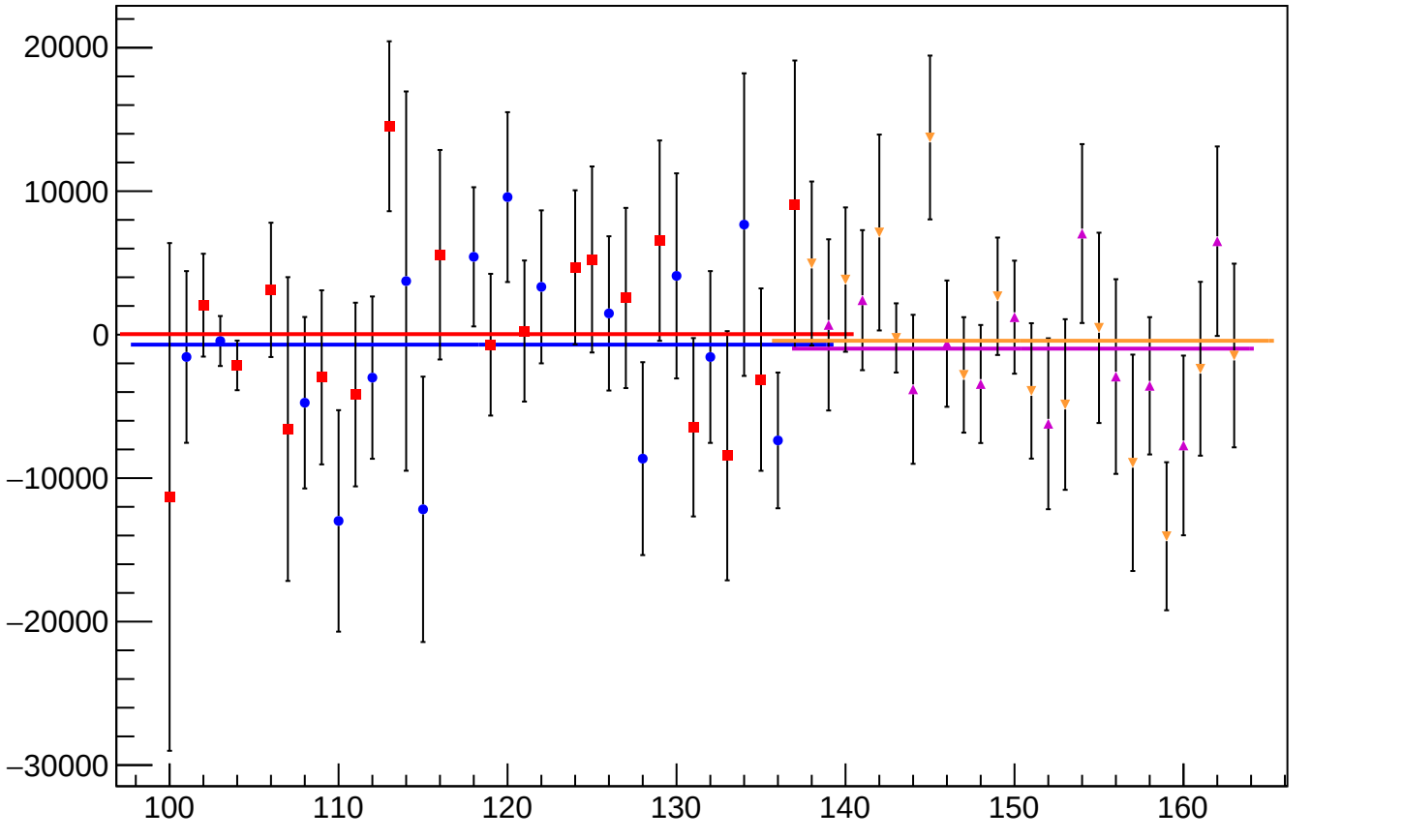
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

+ sign 1315.824+/-0.219 χ^2/NDF: 665152.4/29

All: 1311.718+/-0.156 χ^2/NDF: 1009656.8/60

- sign 1307.516+/-0.221 χ^2/NDF: 343791.1/30



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -424.922+/-1271.489 χ^2/NDF:19.4/13

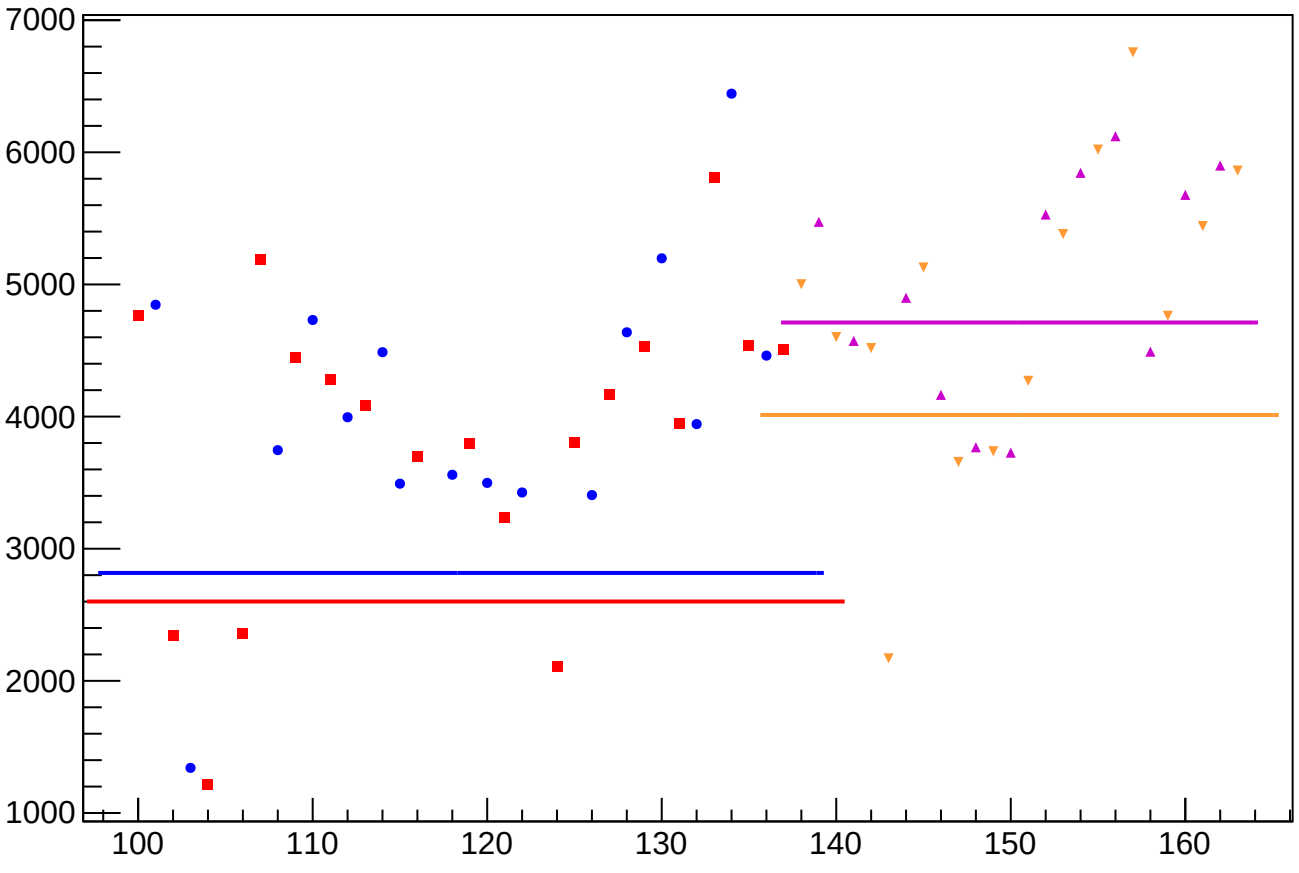
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -975.096+/-1490.650 χ^2/NDF:6.8/11

+ sign -569.884+/-865.880 χ^2/NDF: 34.1/29

All: -447.379+/-618.633 χ^2/NDF: 57.2/60

- sign -319.645+/-884.165 χ^2/NDF: 23.0/30



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

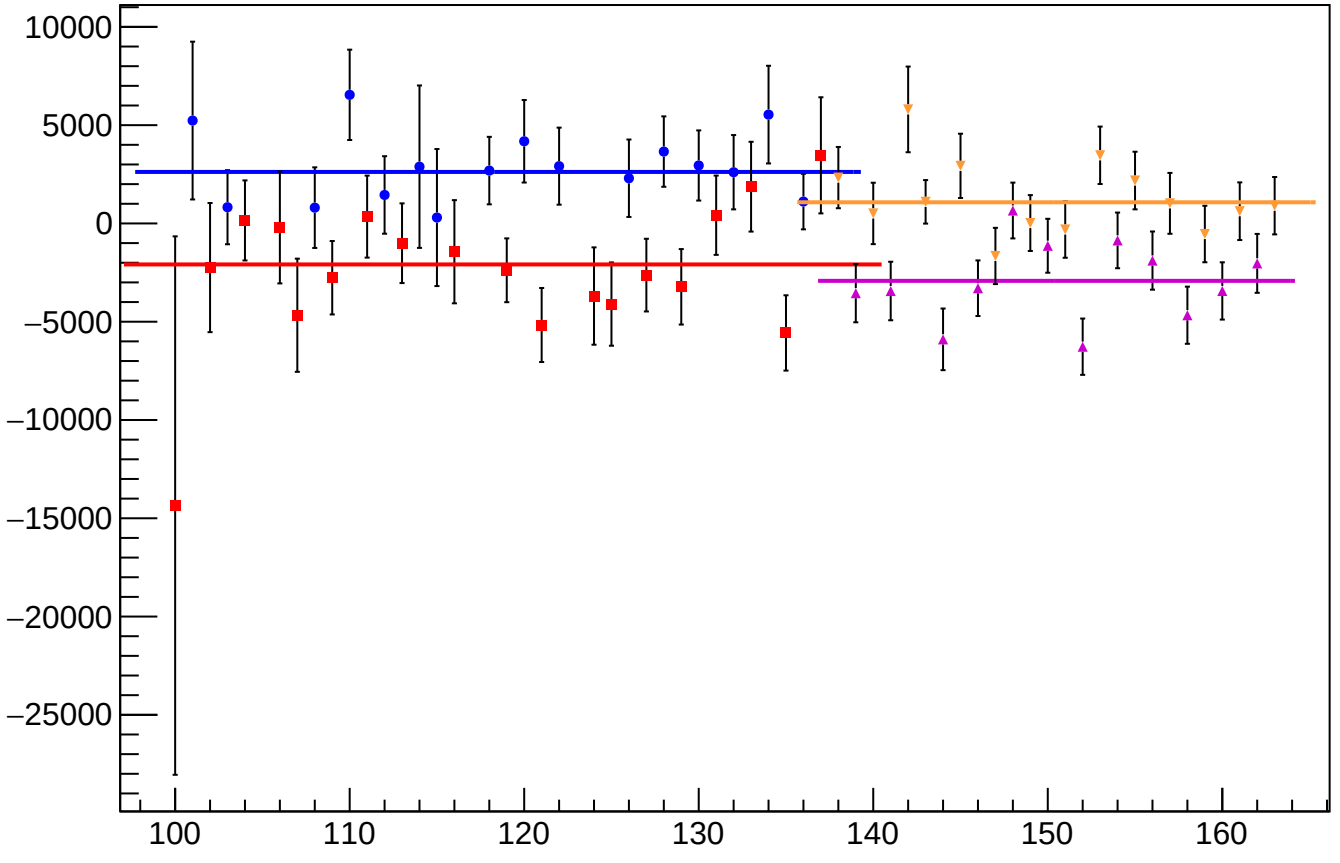
Left In: 4711.979+/-1.054 χ^2/NDF:604704.6/11

+ sign 3371.143+/-0.612 χ^2/NDF: 6203022.0/29

All: 3357.546+/-0.437 χ^2/NDF: 12490507.2/6

- sign 3343.367+/-0.625 χ^2/NDF: 6286477.6/30

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.459+/-393.483 χ^2/NDF:16.5/13

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

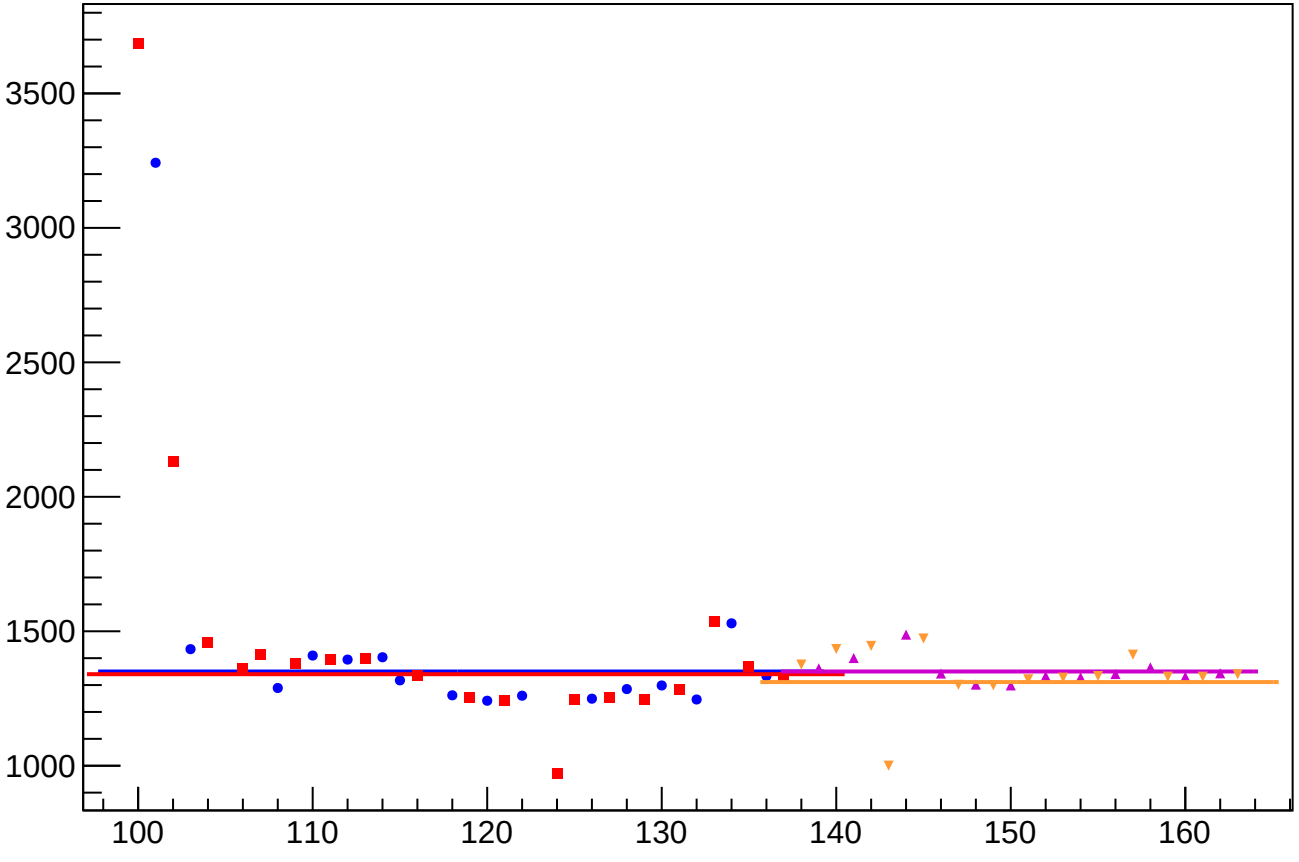
Left In: -2920.632+/-419.829 χ^2/NDF:22.0/11

+ sign 1650.490+/-311.880 χ^2/NDF: 31.6/29

All: -391.611+/-224.295 χ^2/NDF: 164.9/60

- sign -2579.271+/-322.804 χ^2/NDF: 44.6/30

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1311.133+/-0.278 χ^2/NDF:212085.4/13

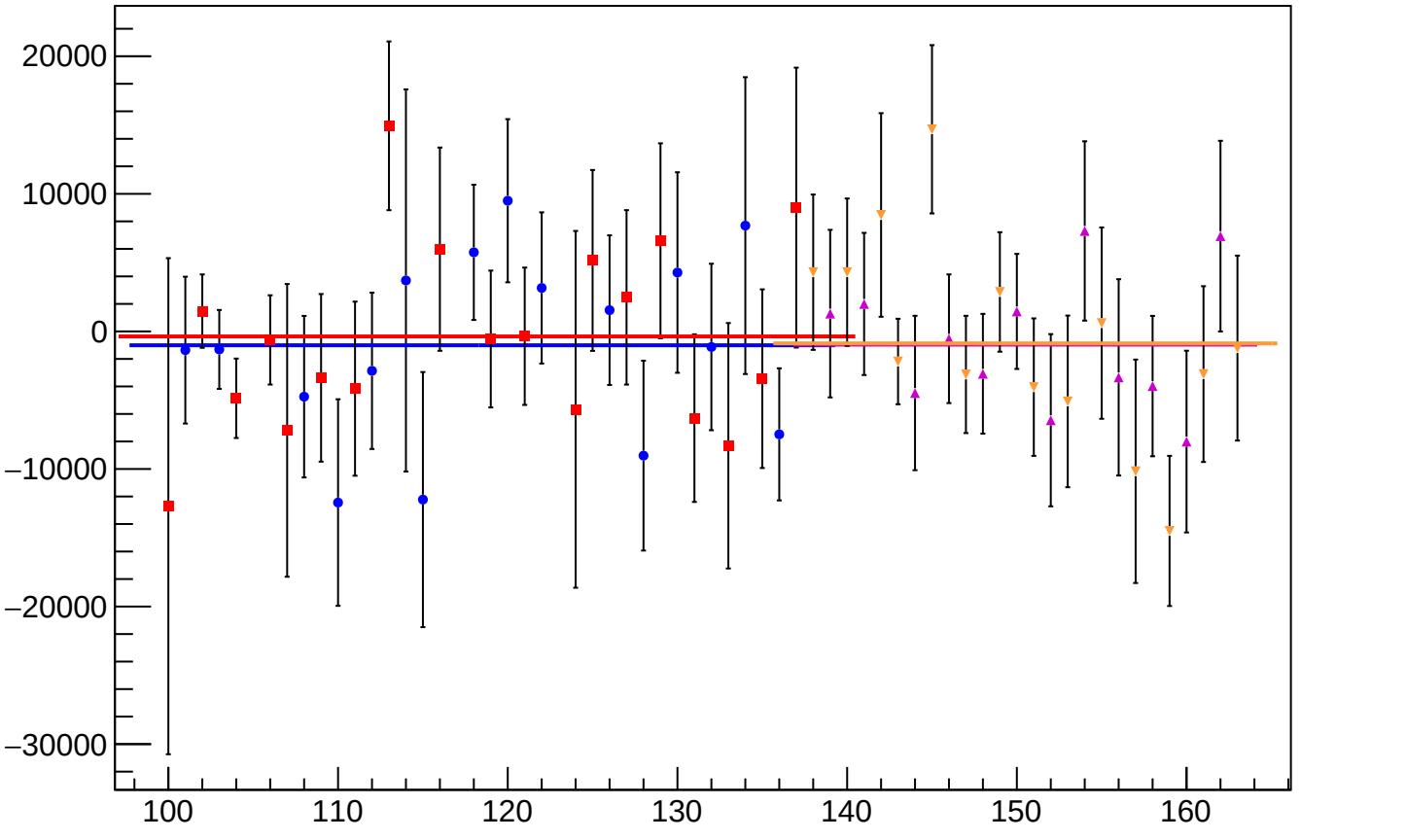
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.495+/-0.297 χ^2/NDF:24379.9/11

+ sign 1325.720+/-0.221 χ^2/NDF: 713529.2/29

All: 1335.696+/-0.159 χ^2/NDF: 1014800.2/60

- sign 1346.377+/-0.228 χ^2/NDF: 297033.9/30



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -869.658+/-1407.662 χ^2/NDF:19.6/13

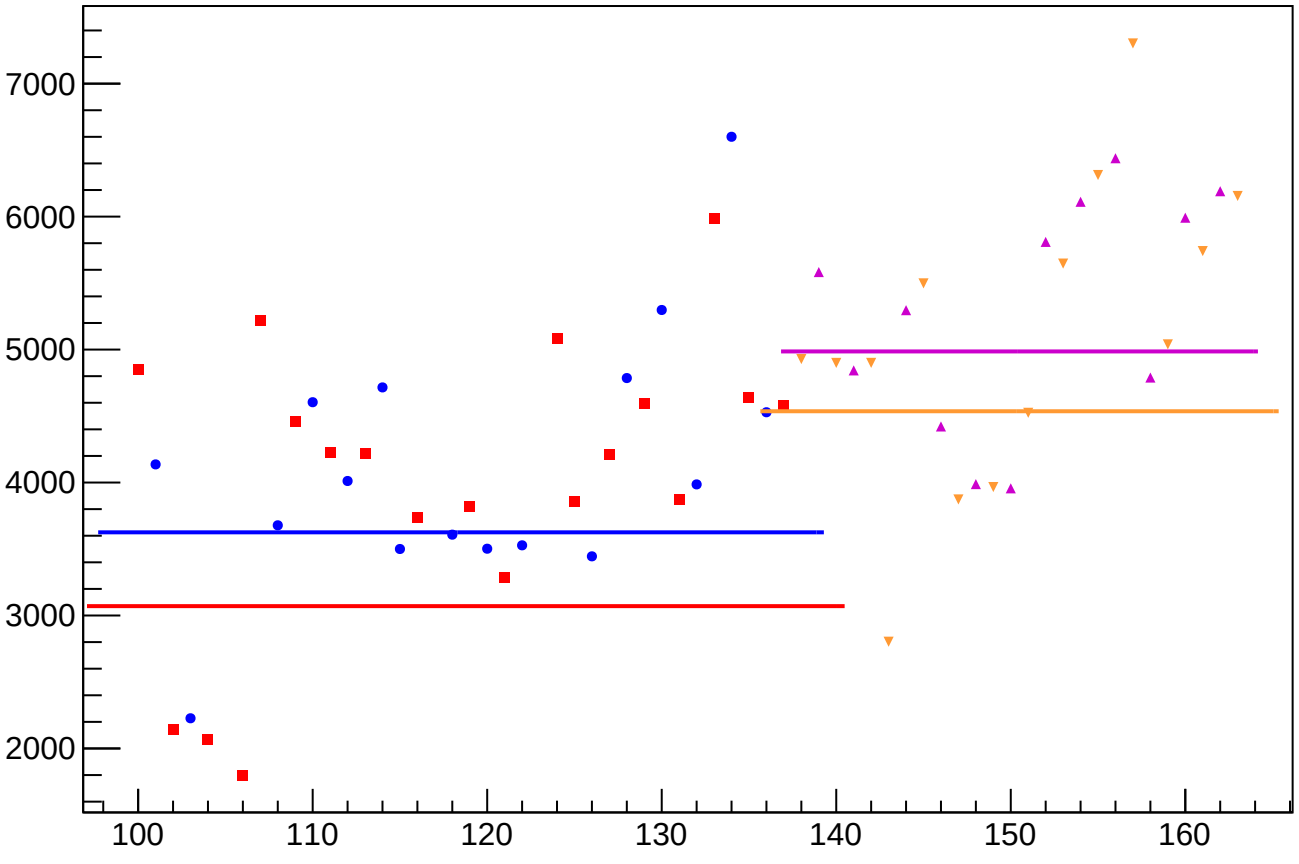
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -960.223+/-1575.988 χ^2/NDF:6.7/11

+ sign -938.361+/-994.233 χ^2/NDF: 34.2/29

All: -754.079+/-689.112 χ^2/NDF: 57.3/60

- sign -583.700+/-955.995 χ^2/NDF: 23.0/30



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4536.144+/-0.995 χ^2/NDF:1408614.4/13

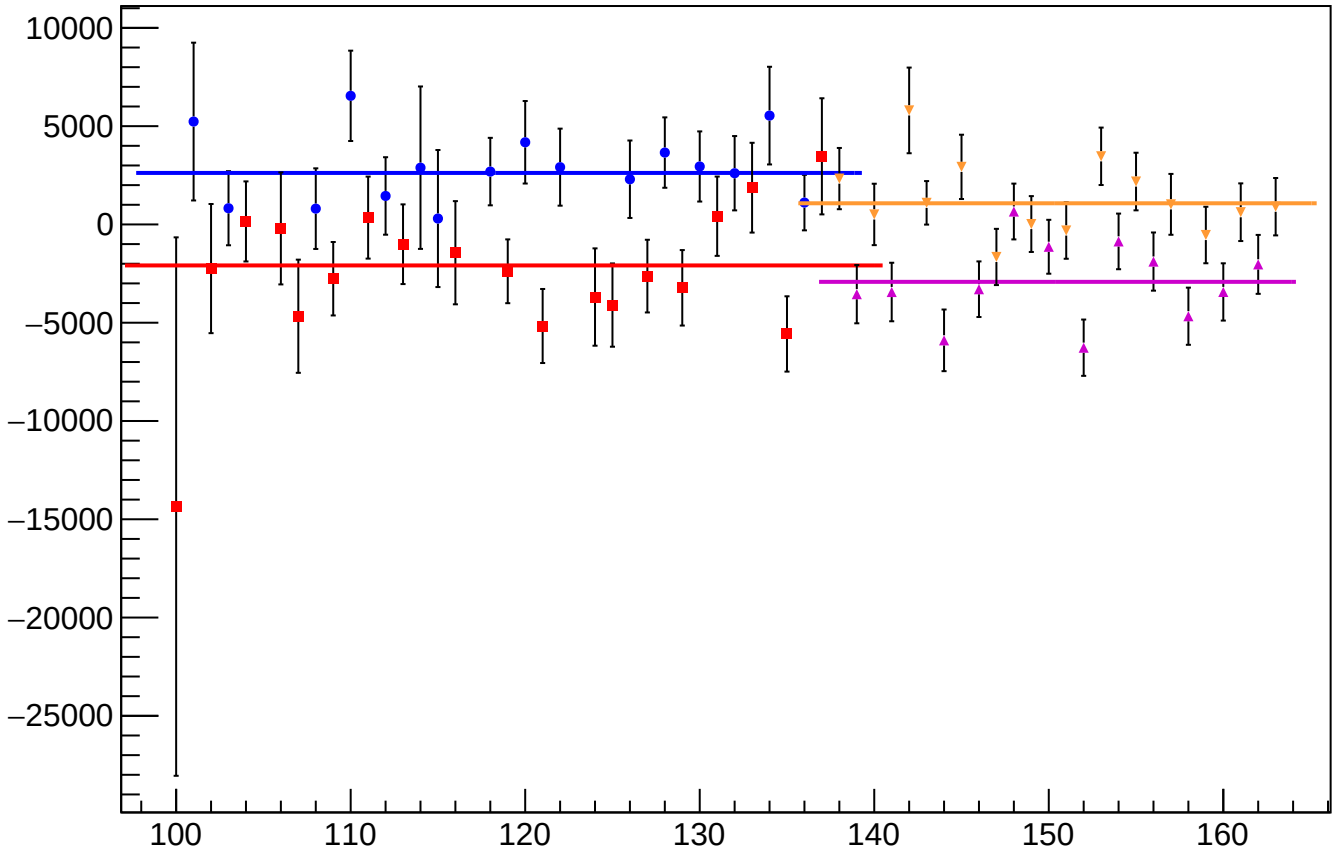
Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4986.025+/-1.114 χ^2/NDF:569245.5/11

+ sign 4079.791+/-0.703 χ^2/NDF: 2772967.5/29

All: 3921.581+/-0.487 χ^2/NDF: 7145869.3/60

- sign 3775.307+/-0.676 χ^2/NDF: 4275436.6/30



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.452+/-393.483 χ^2/NDF:16.5/13

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

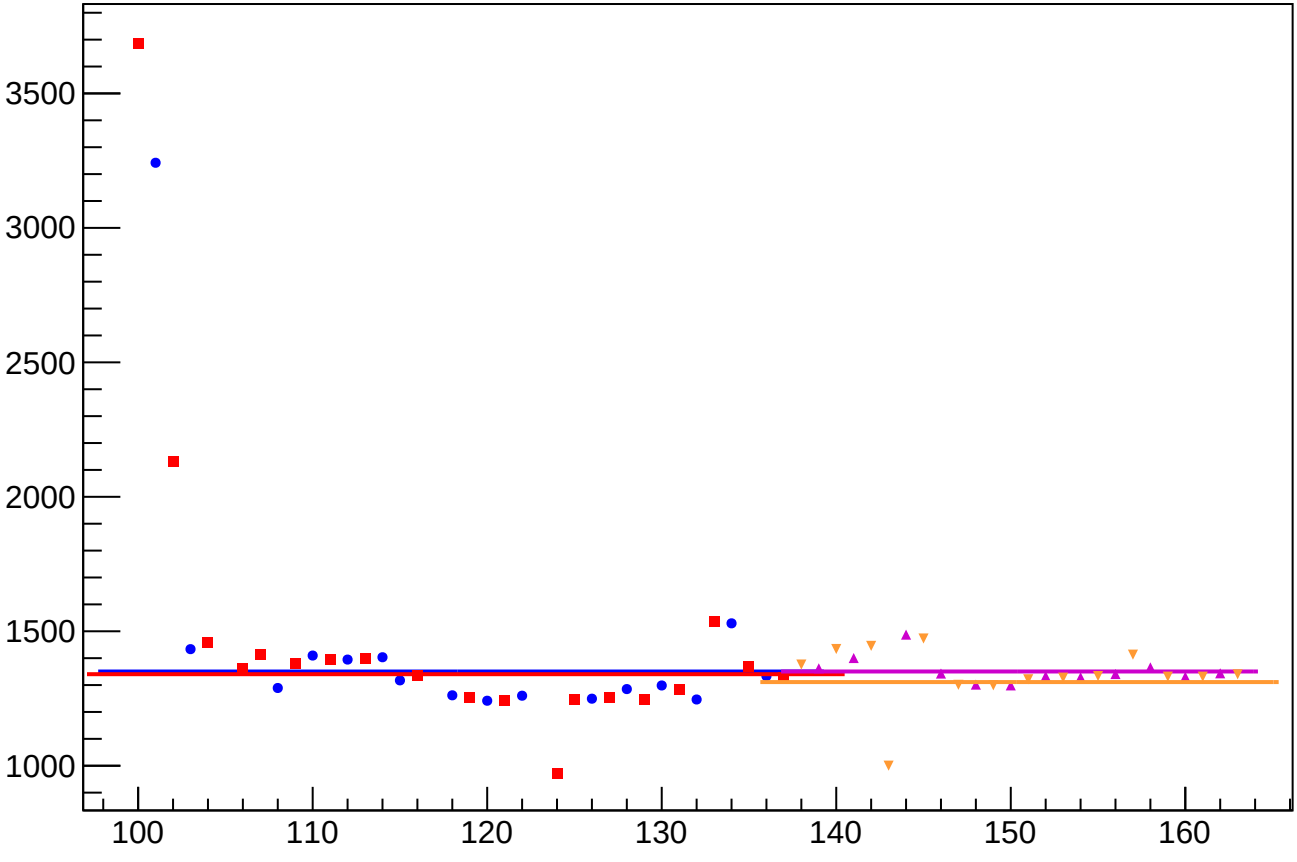
Left In: -2920.631+/-419.830 χ^2/NDF:22.0/11

+ sign 1650.486+/-311.880 χ^2/NDF: 31.6/29

All: -391.613+/-224.295 χ^2/NDF: 164.9/60

- sign -2579.271+/-322.804 χ^2/NDF: 44.6/30

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: 1311.135+/-0.278 χ^2/NDF:212086.0/13

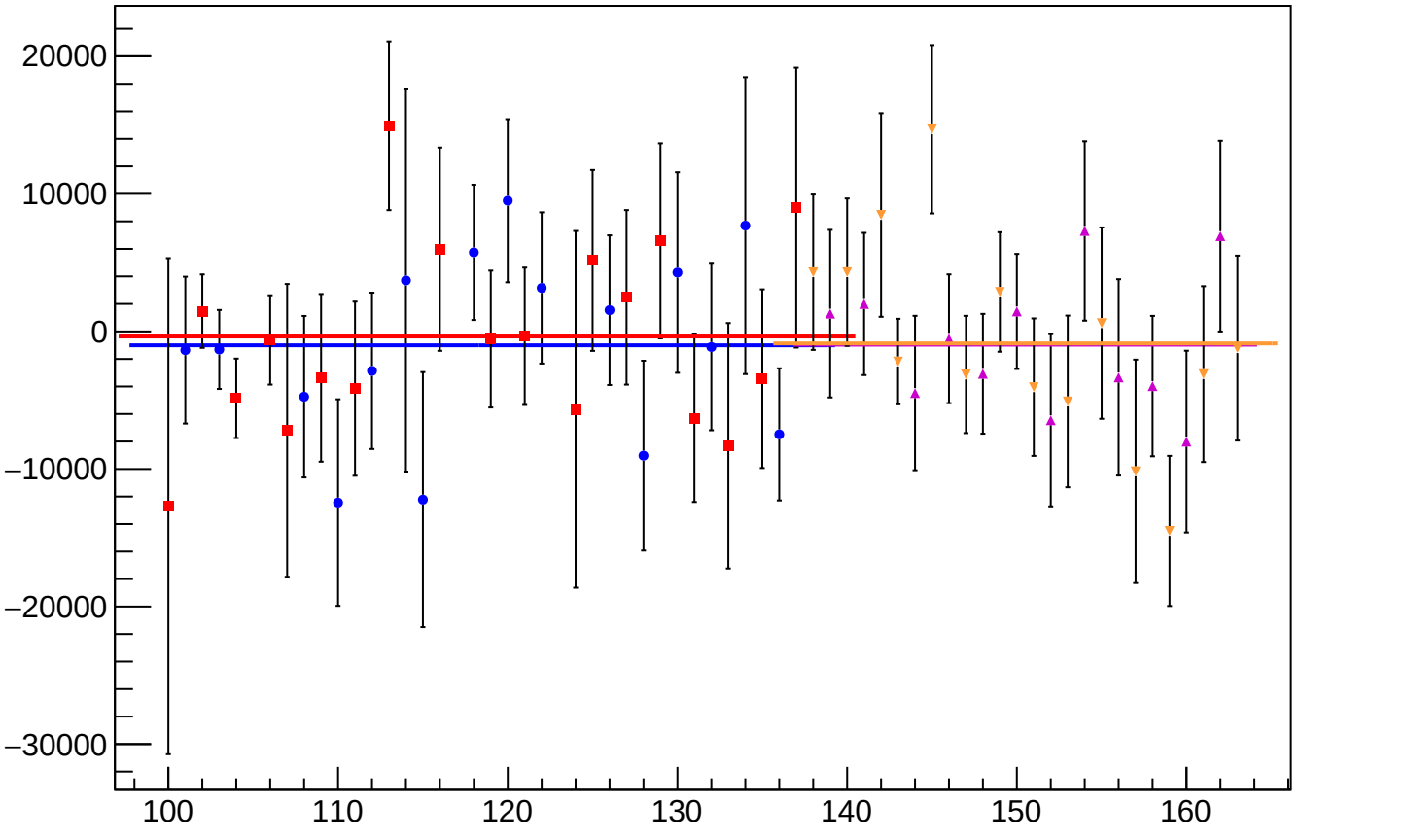
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.497+/-0.297 χ^2/NDF:24380.1/11

+ sign 1325.720+/-0.221 χ^2/NDF: 713529.3/29

All: 1335.696+/-0.159 χ^2/NDF: 1014799.6/60

- sign 1346.378+/-0.228 χ^2/NDF: 297033.3/30



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -869.664+/-1407.664 χ^2/NDF:19.6/13

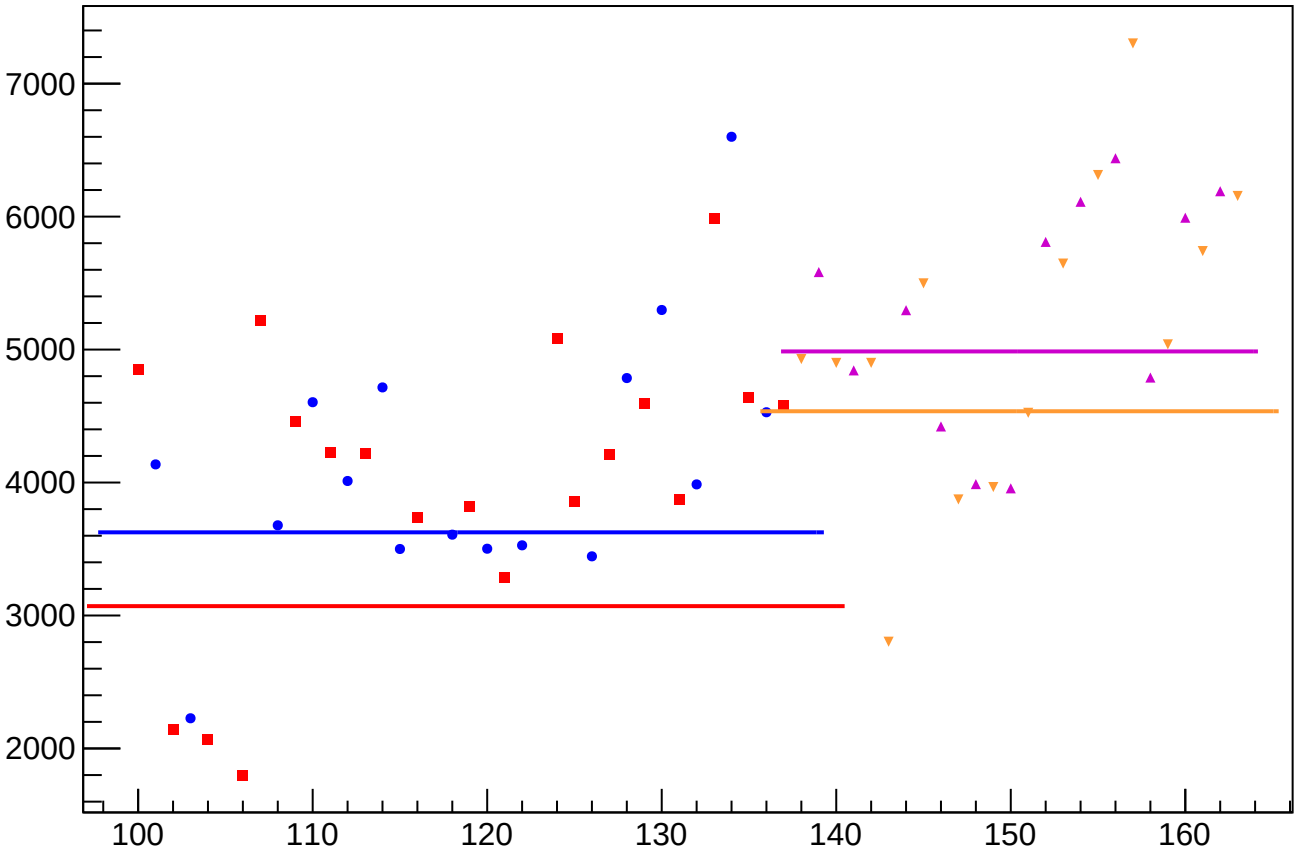
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -960.223+/-1575.990 χ^2/NDF:6.7/11

+ sign -938.360+/-994.232 χ^2/NDF: 34.2/29

All: -754.079+/-689.111 χ^2/NDF: 57.3/60

- sign -583.700+/-955.994 χ^2/NDF: 23.0/30



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4536.151+/-0.995 χ^2/NDF:1408614.5/13

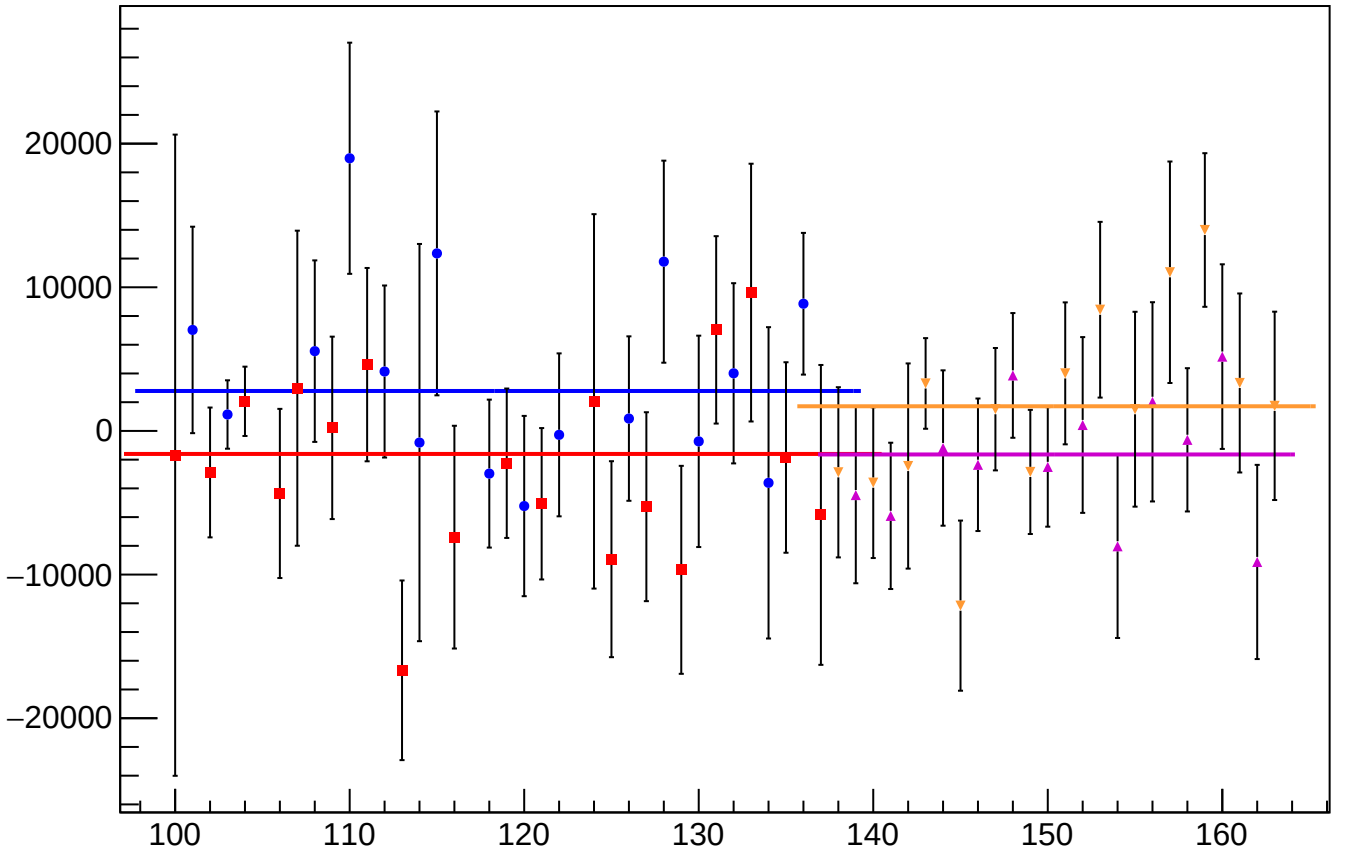
Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4986.032+/-1.114 χ^2/NDF:569246.3/11

+ sign 4079.788+/-0.703 χ^2/NDF: 2772984.6/29

All: 3921.576+/-0.487 χ^2/NDF: 7145922.5/60

- sign 3775.301+/-0.676 χ^2/NDF: 4275470.2/30



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1716.380+/-1397.178 χ^2/NDF:17.1/13

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

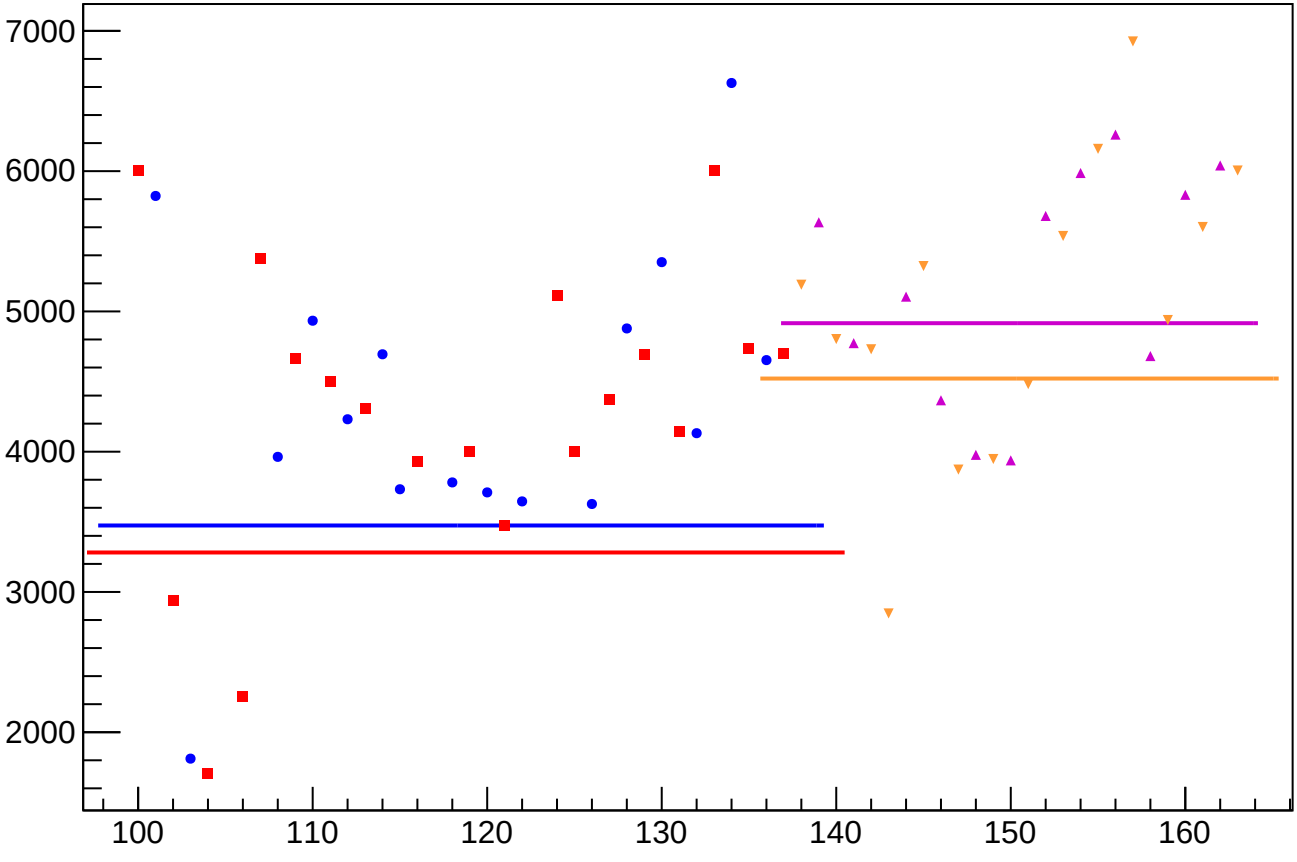
Left In: -1638.216+/-1551.541 χ^2/NDF:6.4/11

+ sign 2251.585+/-985.207 χ^2/NDF: 30.5/29

All: 370.396+/-706.213 χ^2/NDF: 61.2/60

- sign -1617.792+/-1012.838 χ^2/NDF: 23.2/30

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4521.490+/-0.988 χ^2/NDF:1255737.6/13

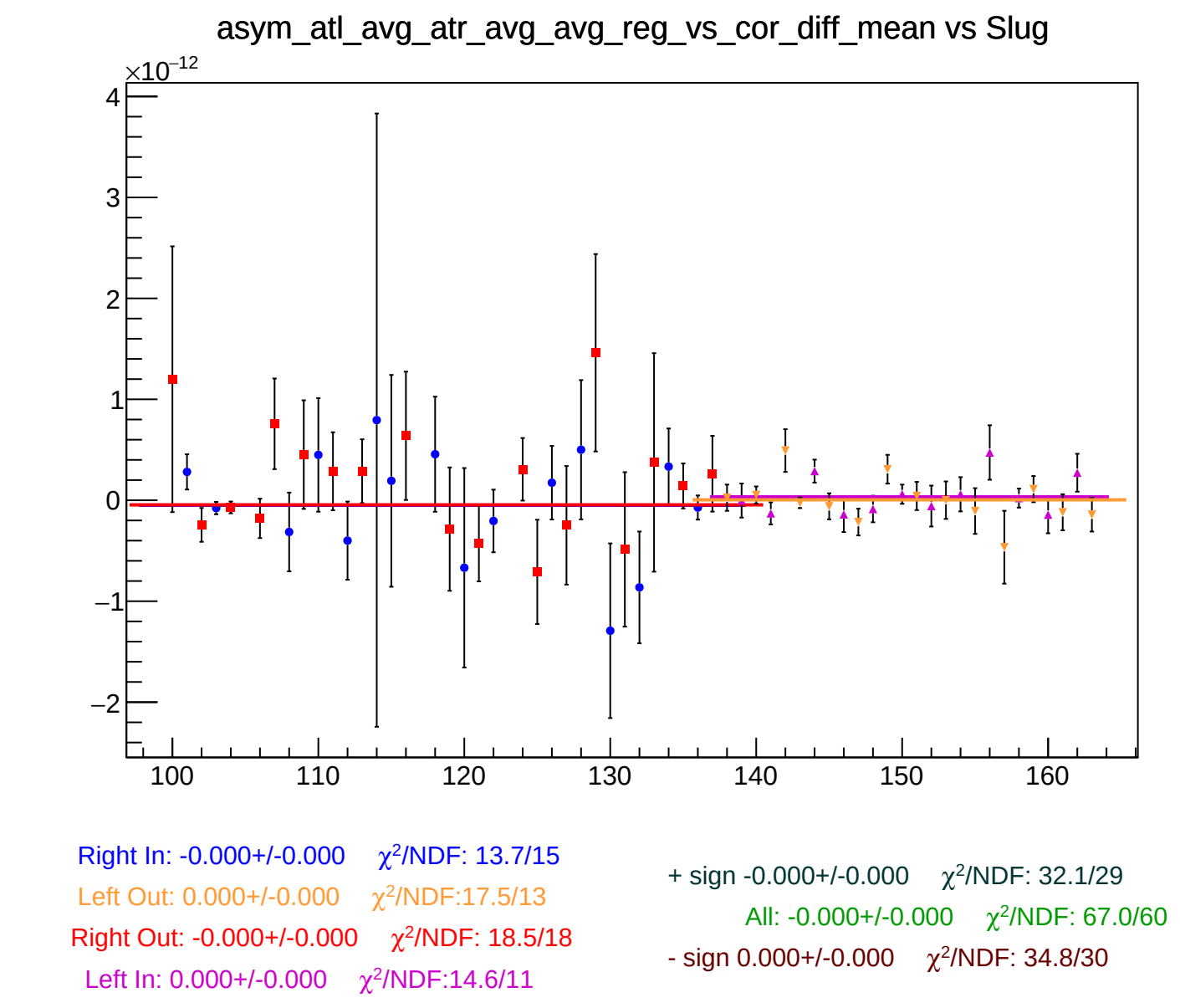
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

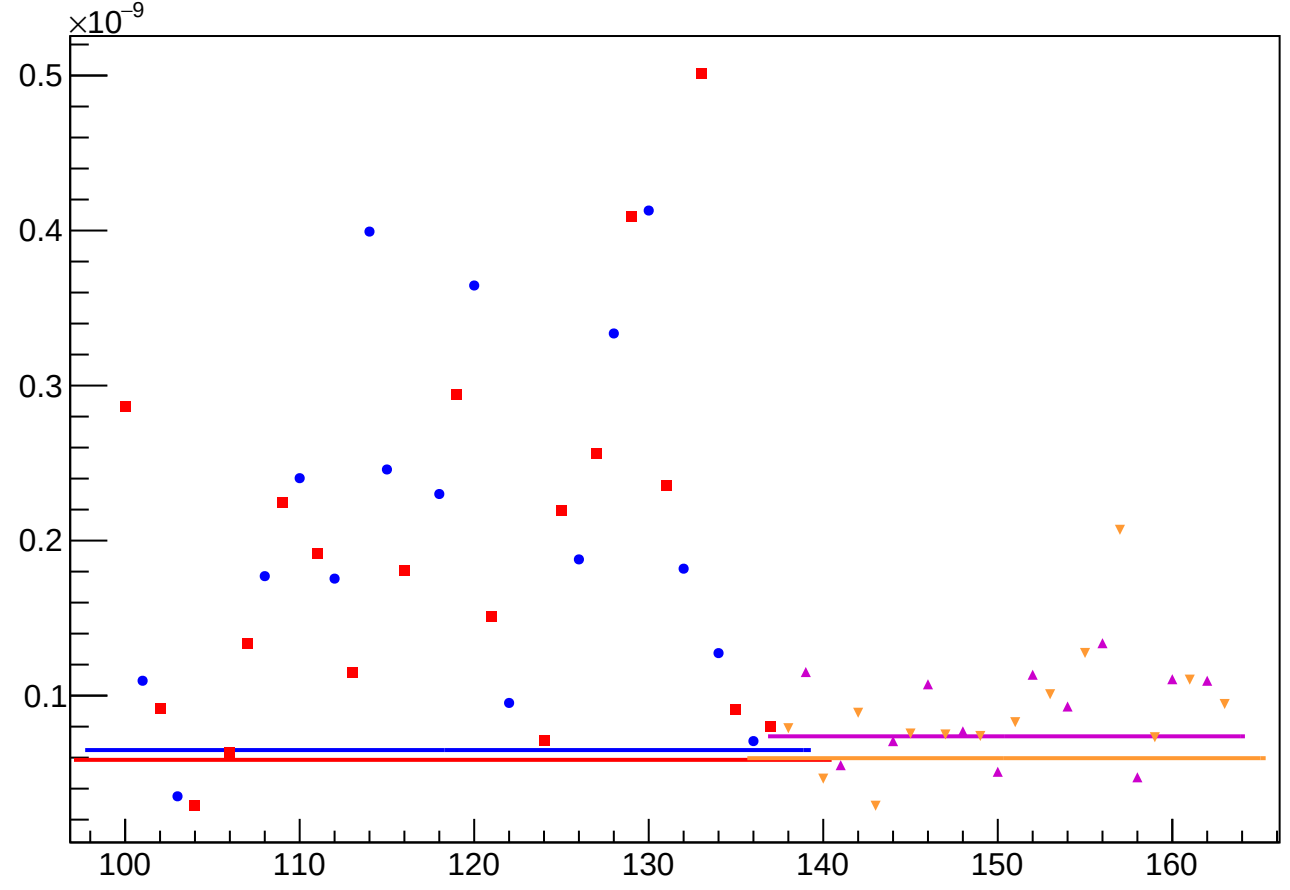
Left In: 4916.067+/-1.097 χ^2/NDF:526708.4/11

+ sign 3994.780+/-0.697 χ^2/NDF: 3665015.5/29

All: 3981.196+/-0.497 χ^2/NDF: 7356774.4/60

- sign 3967.065+/-0.711 χ^2/NDF: 3690983.2/30


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
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:14.6/11
+ sign -0.000+/-0.000 χ²/NDF: 32.1/29
All: -0.000+/-0.000 χ²/NDF: 67.0/60
- sign 0.000+/-0.000 χ²/NDF: 34.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1819155.8/13

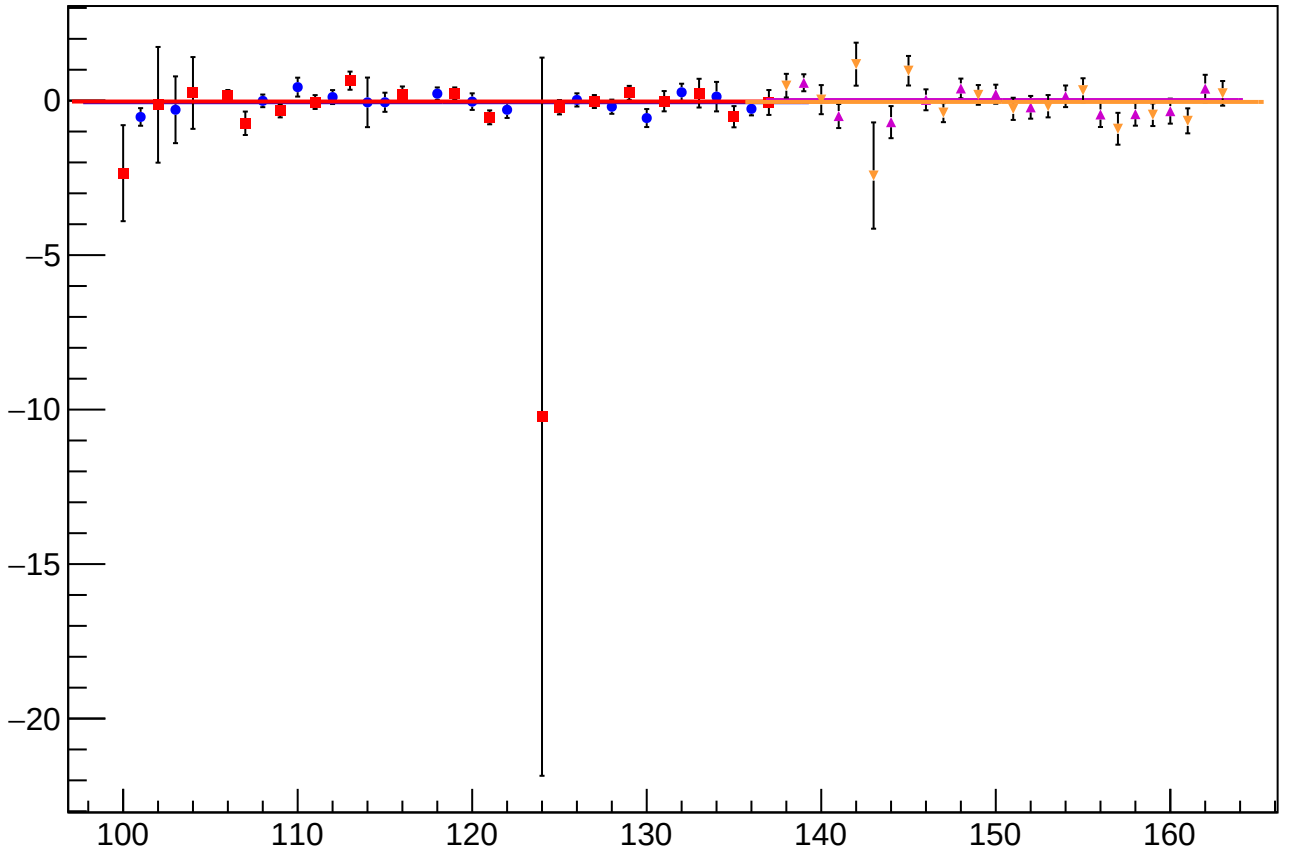
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:881457.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 4428287.3/29

All: 0.000+/-0.000 χ^2/NDF: 8333987.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3857064.3/30



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.109 χ^2/NDF:21.5/13

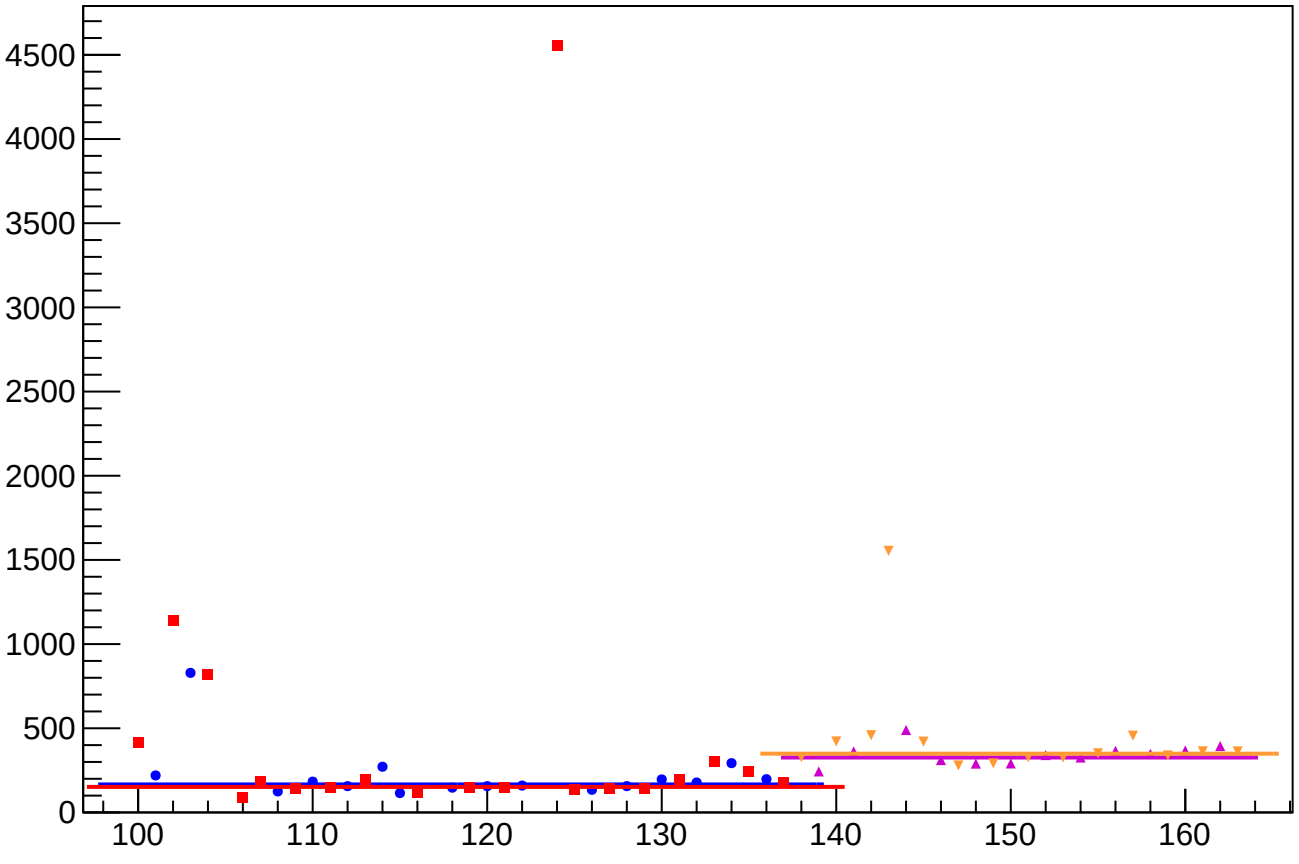
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.019+/-0.104 χ^2/NDF:14.4/11

+ sign -0.049+/-0.057 χ^2/NDF: 36.4/29

All: -0.032+/-0.039 χ^2/NDF: 78.6/60

- sign -0.016+/-0.055 χ^2/NDF: 42.1/30



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 349.117+/-0.077 χ^2/NDF:1403620.4/13

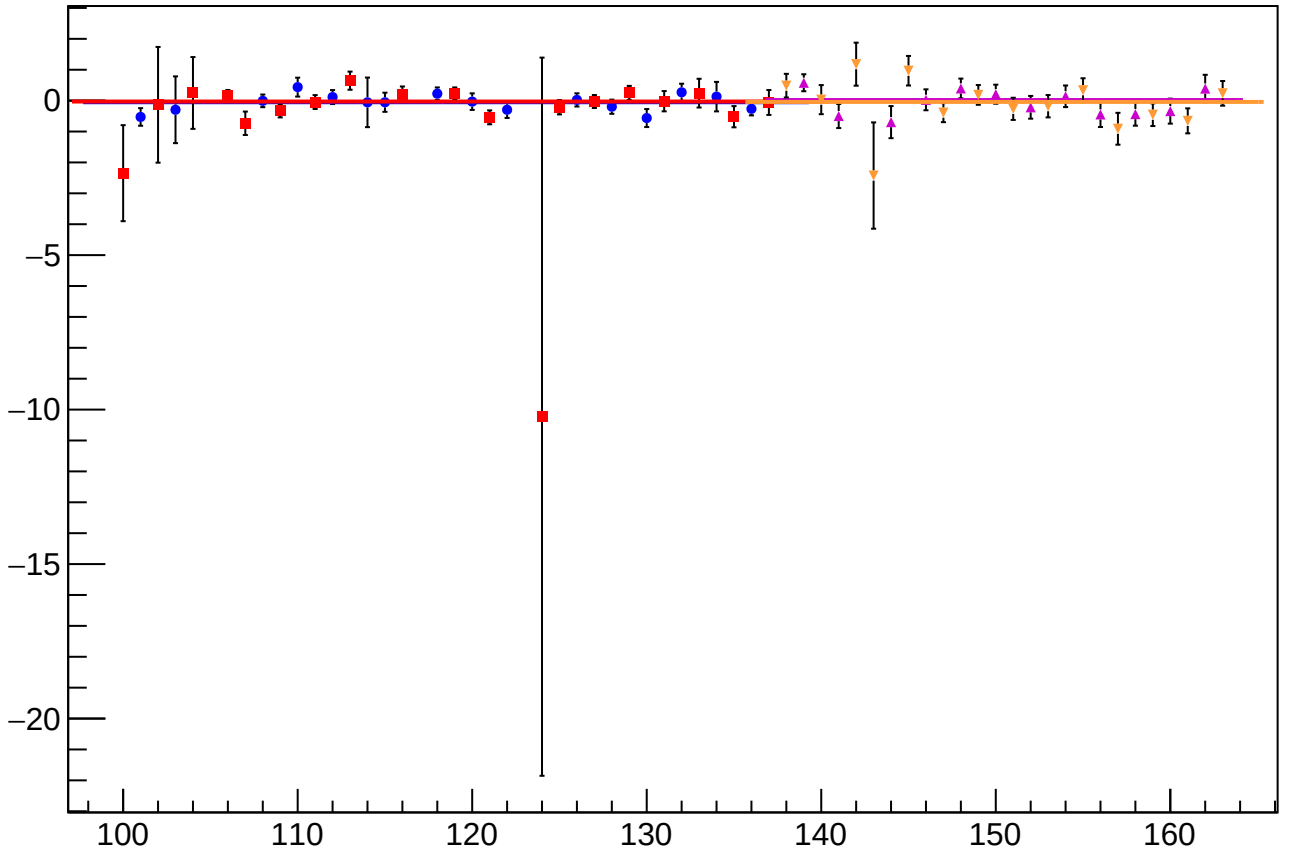
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.353+/-0.074 χ^2/NDF:548076.2/11

+ sign 216.146+/-0.040 χ^2/NDF: 6773228.2/29

All: 207.607+/-0.028 χ^2/NDF: 13810226.4/60

- sign 199.774+/-0.039 χ^2/NDF: 6950704.8/30



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.109 χ^2/NDF:21.5/13

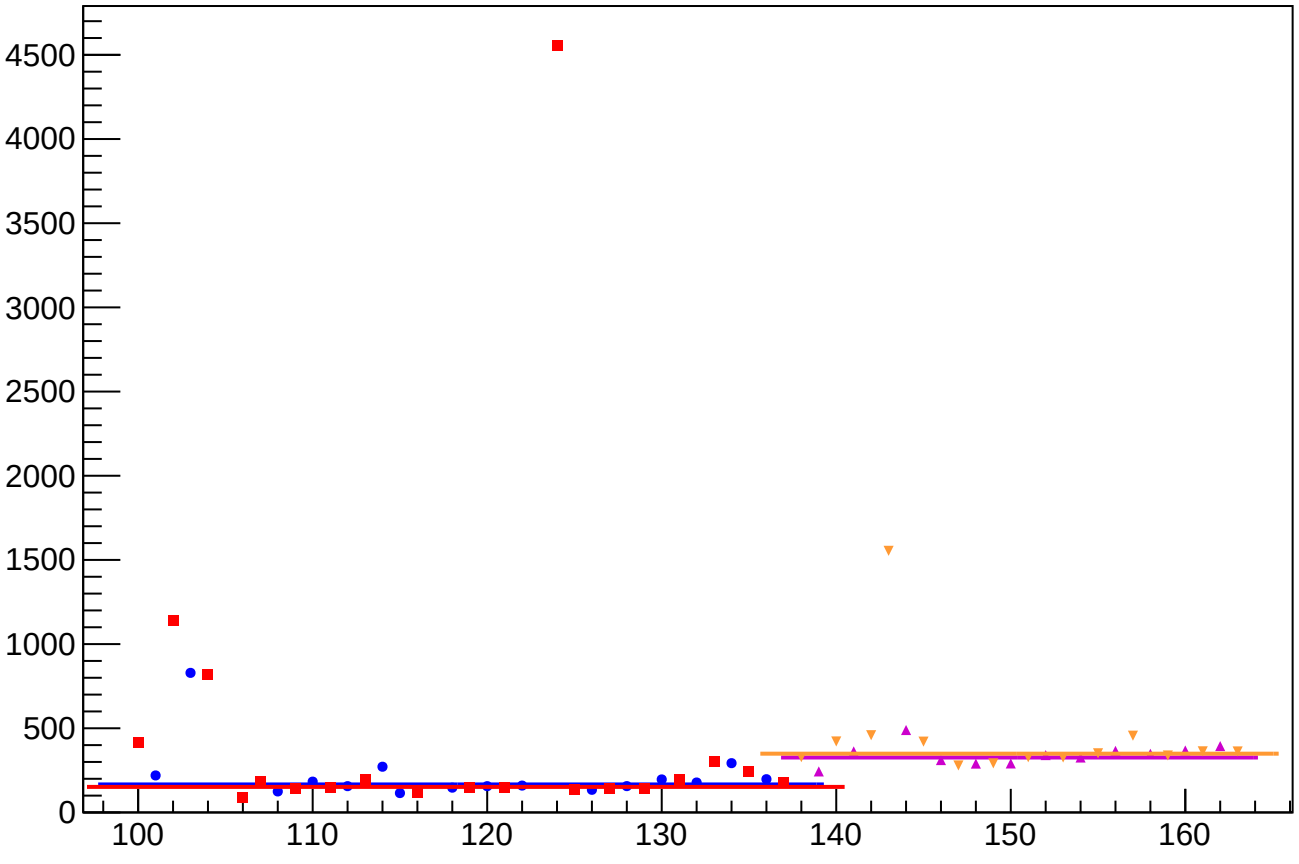
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.019+/-0.104 χ^2/NDF:14.4/11

+ sign -0.049+/-0.057 χ^2/NDF: 36.4/29

All: -0.032+/-0.039 χ^2/NDF: 78.6/60

- sign -0.016+/-0.055 χ^2/NDF: 42.1/30



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 349.117+/-0.077 χ^2/NDF:1403620.4/13

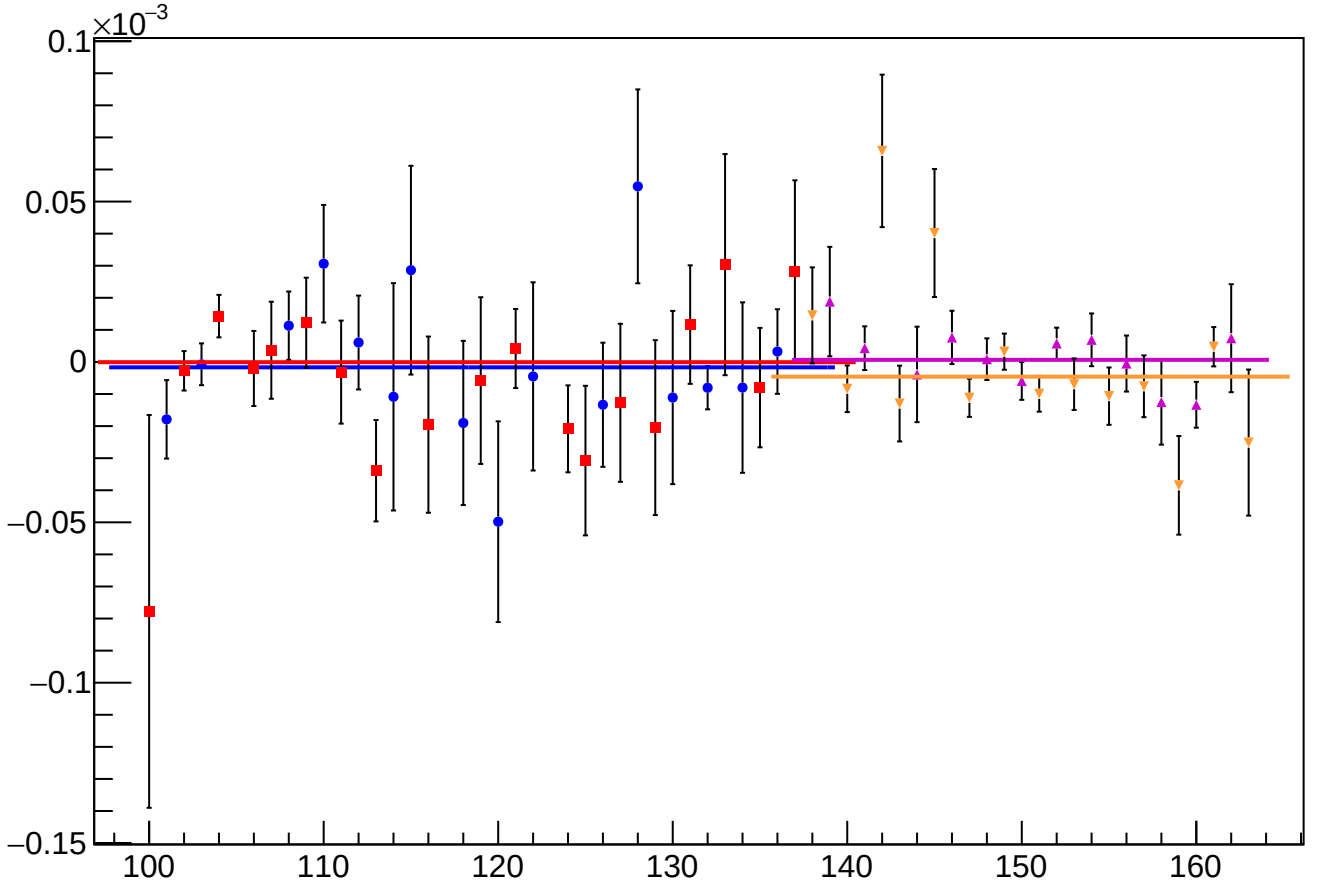
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.353+/-0.074 χ^2/NDF:548076.2/11

+ sign 216.146+/-0.040 χ^2/NDF: 6773228.2/29

All: 207.607+/-0.028 χ^2/NDF: 13810226.4/60

- sign 199.774+/-0.039 χ^2/NDF: 6950704.8/30



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

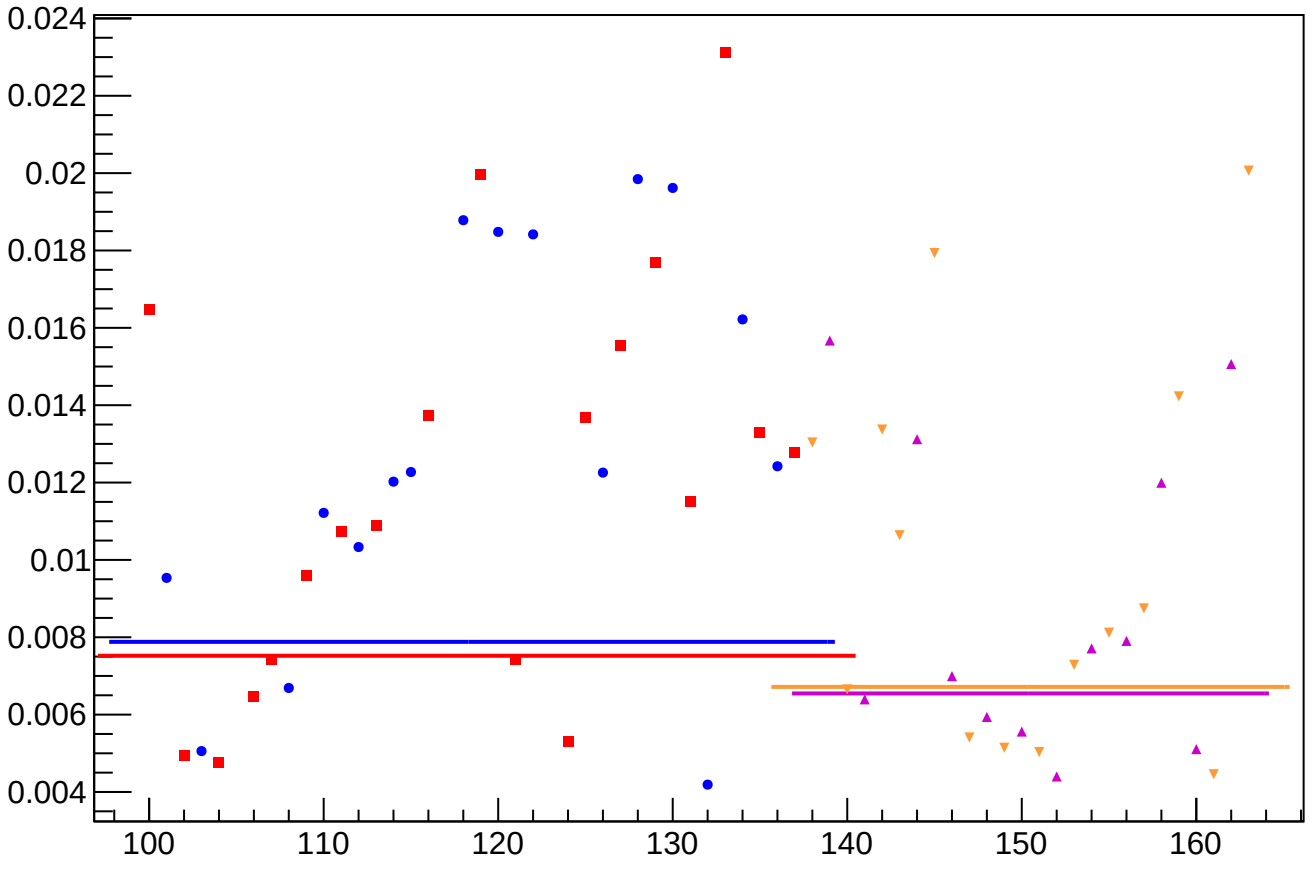
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/29

All: -0.000+/-0.000 χ^2/NDF: 77.4/60

- sign 0.000+/-0.000 χ^2/NDF: 30.1/30



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3385068.1/13

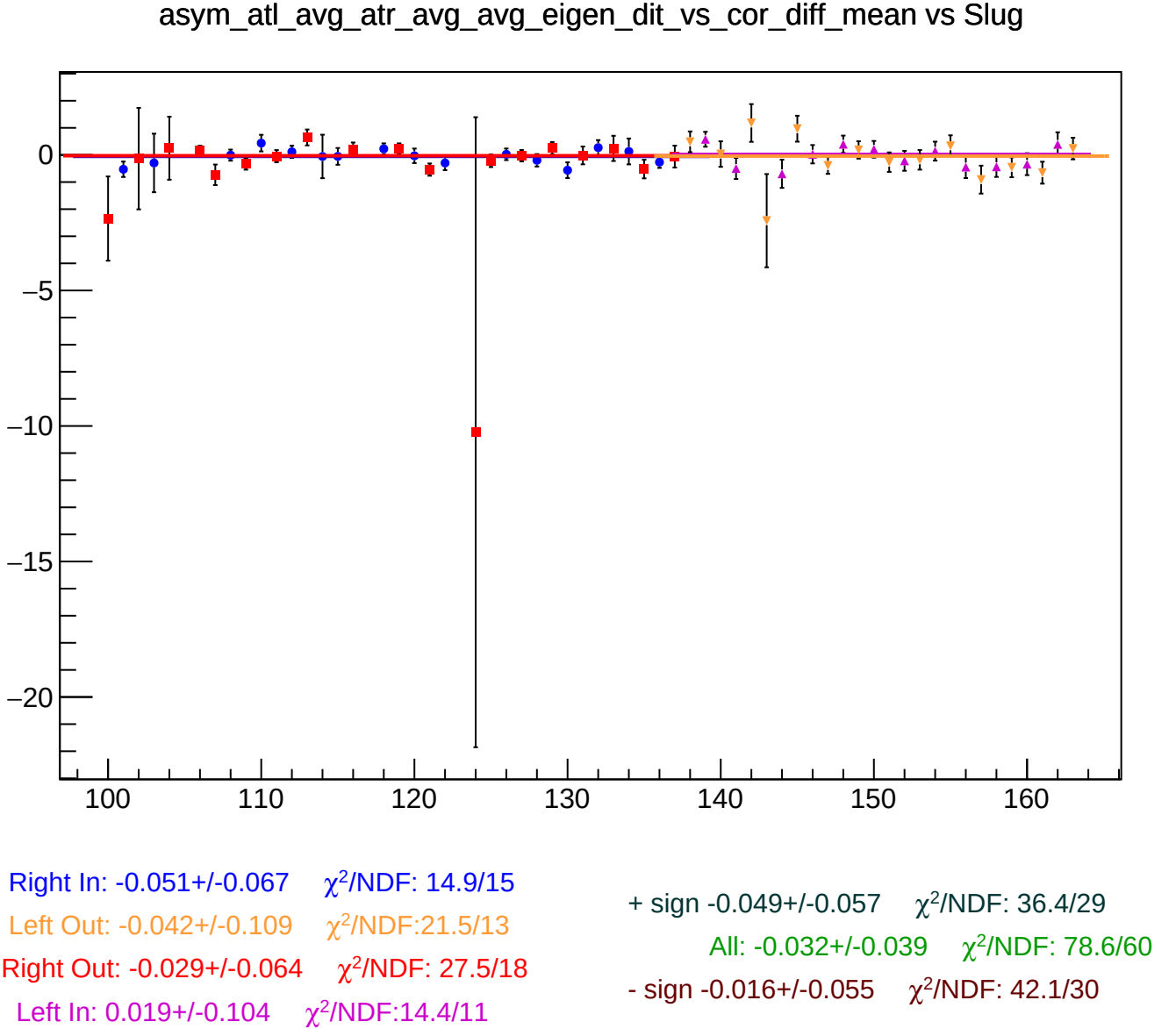
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

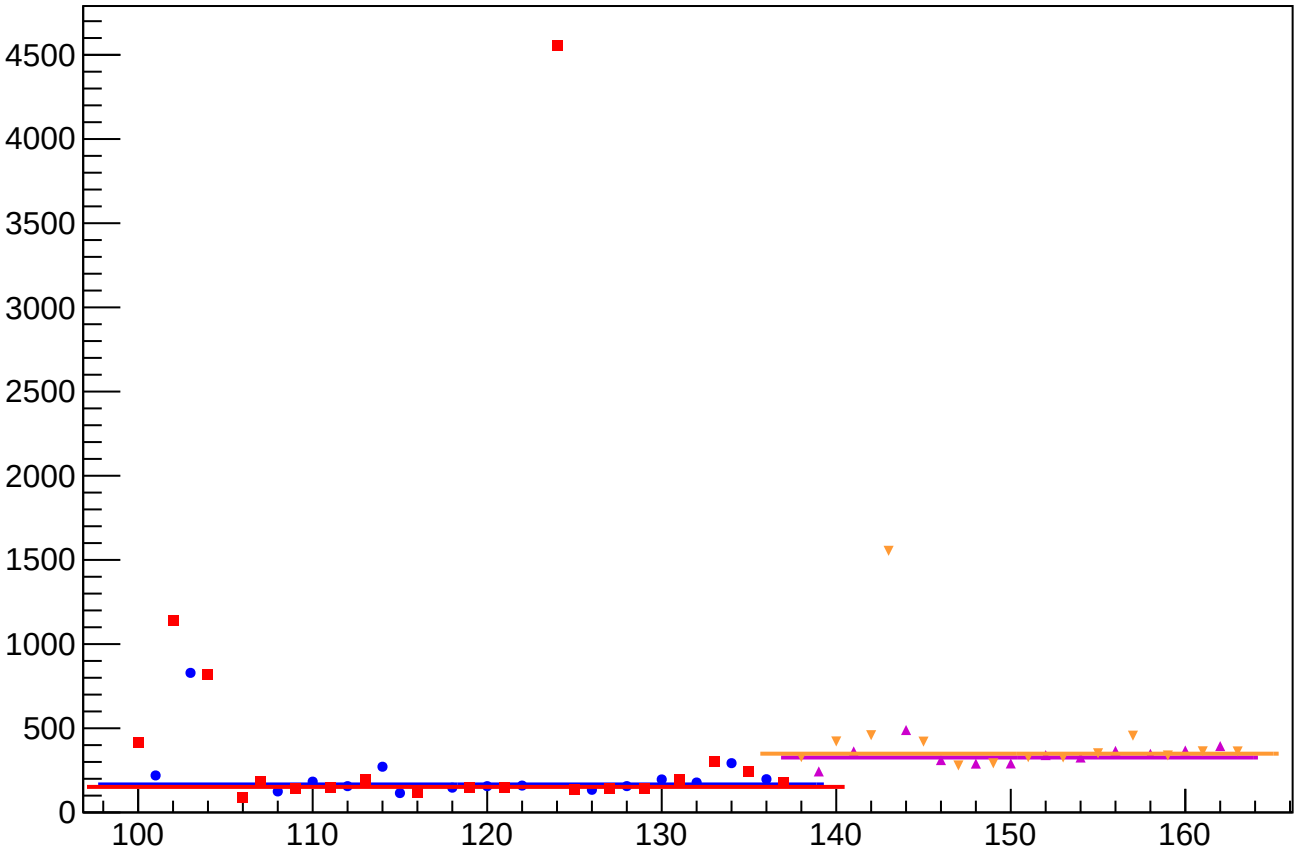
Left In: 0.007+/-0.000 χ^2/NDF:2443419.3/11

+ sign 0.007+/-0.000 χ^2/NDF: 6850147.2/29

All: 0.007+/-0.000 χ^2/NDF: 12406012.9/60

- sign 0.007+/-0.000 χ^2/NDF: 5545489.9/30


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: -0.051+/-0.067 χ²/NDF: 14.9/15
Left Out: -0.042+/-0.109 χ²/NDF:21.5/13
Right Out: -0.029+/-0.064 χ²/NDF: 27.5/18
Left In: 0.019+/-0.104 χ²/NDF:14.4/11
+ sign -0.049+/-0.057 χ²/NDF: 36.4/29
All: -0.032+/-0.039 χ²/NDF: 78.6/60
- sign -0.016+/-0.055 χ²/NDF: 42.1/30



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 349.122+/-0.077 χ^2/NDF:1403623.4/13

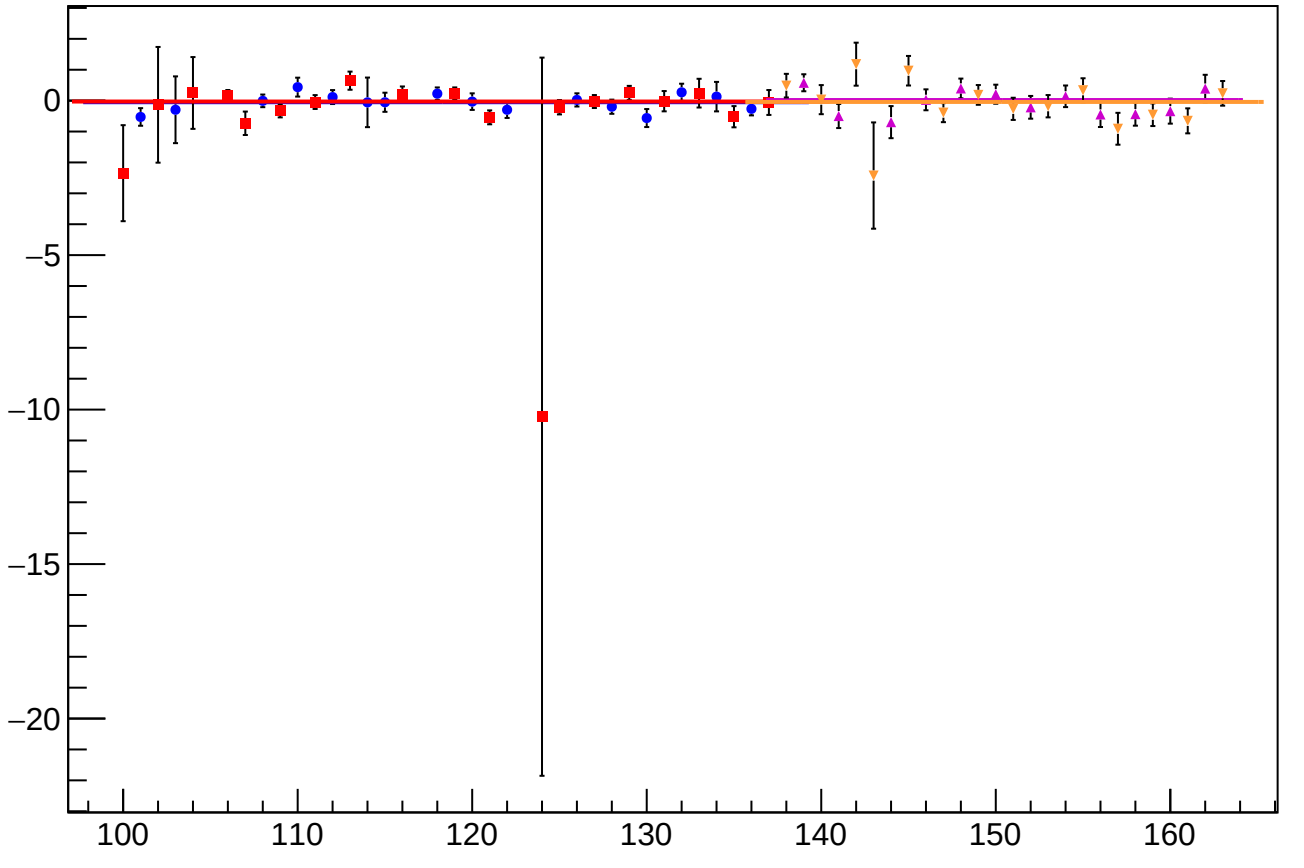
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.358+/-0.074 χ^2/NDF:548067.9/11

+ sign 216.145+/-0.040 χ^2/NDF: 6773407.4/29

All: 207.607+/-0.028 χ^2/NDF: 13810627.1/60

- sign 199.773+/-0.039 χ^2/NDF: 6950919.2/30



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.109 χ^2/NDF:21.5/13

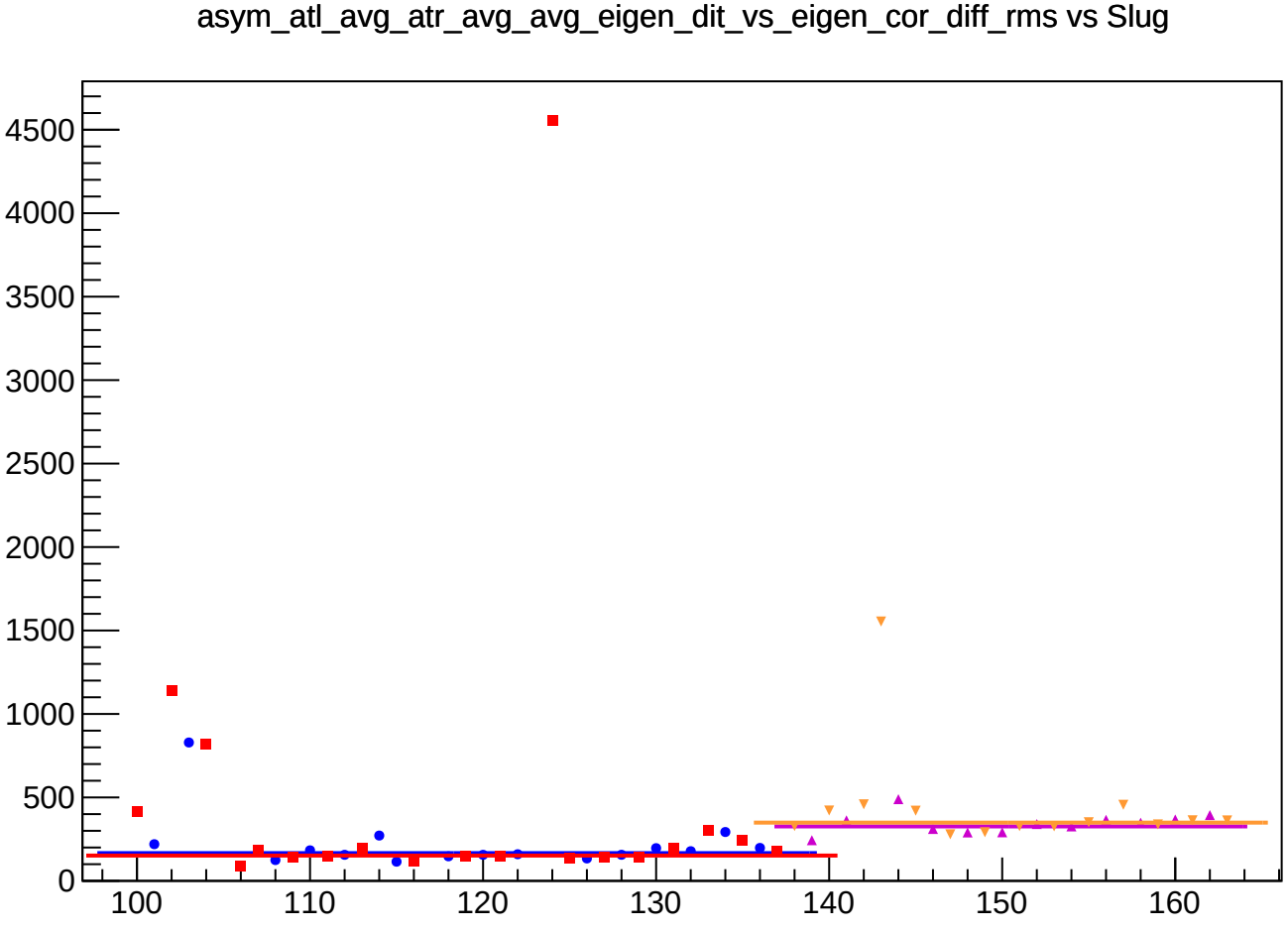
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.019+/-0.104 χ^2/NDF:14.4/11

+ sign -0.049+/-0.057 χ^2/NDF: 36.4/29

All: -0.032+/-0.039 χ^2/NDF: 78.6/60

- sign -0.016+/-0.055 χ^2/NDF: 42.1/30



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 349.122+/-0.077 χ^2/NDF:1403623.4/13

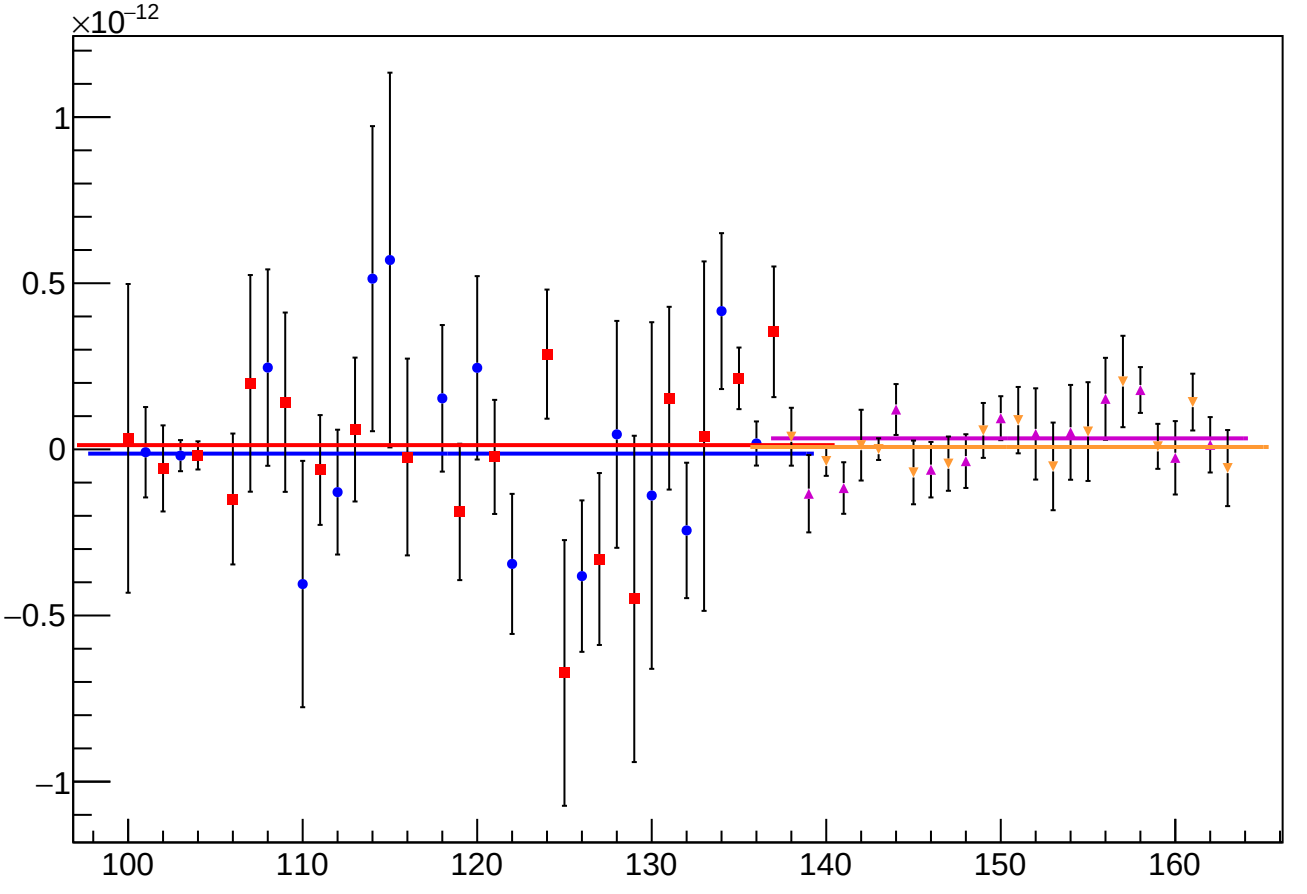
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.358+/-0.074 χ^2/NDF:548067.9/11

+ sign 216.145+/-0.040 χ^2/NDF: 6773407.4/29

All: 207.607+/-0.028 χ^2/NDF: 13810627.1/60

- sign 199.773+/-0.039 χ^2/NDF: 6950919.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/13

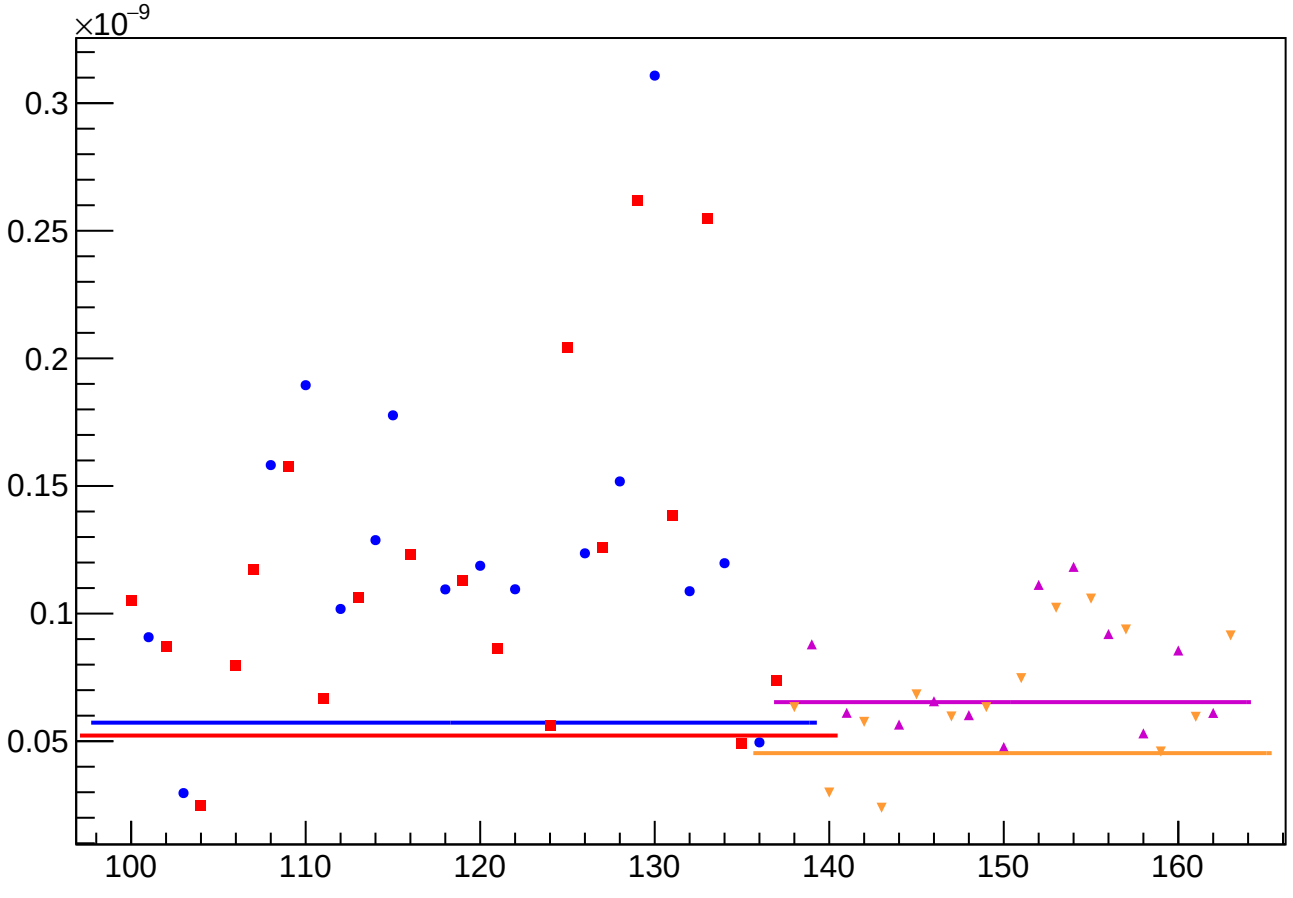
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.7/29

All: 0.000+/-0.000 χ^2/NDF: 60.2/60

- sign 0.000+/-0.000 χ^2/NDF: 34.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2990652.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

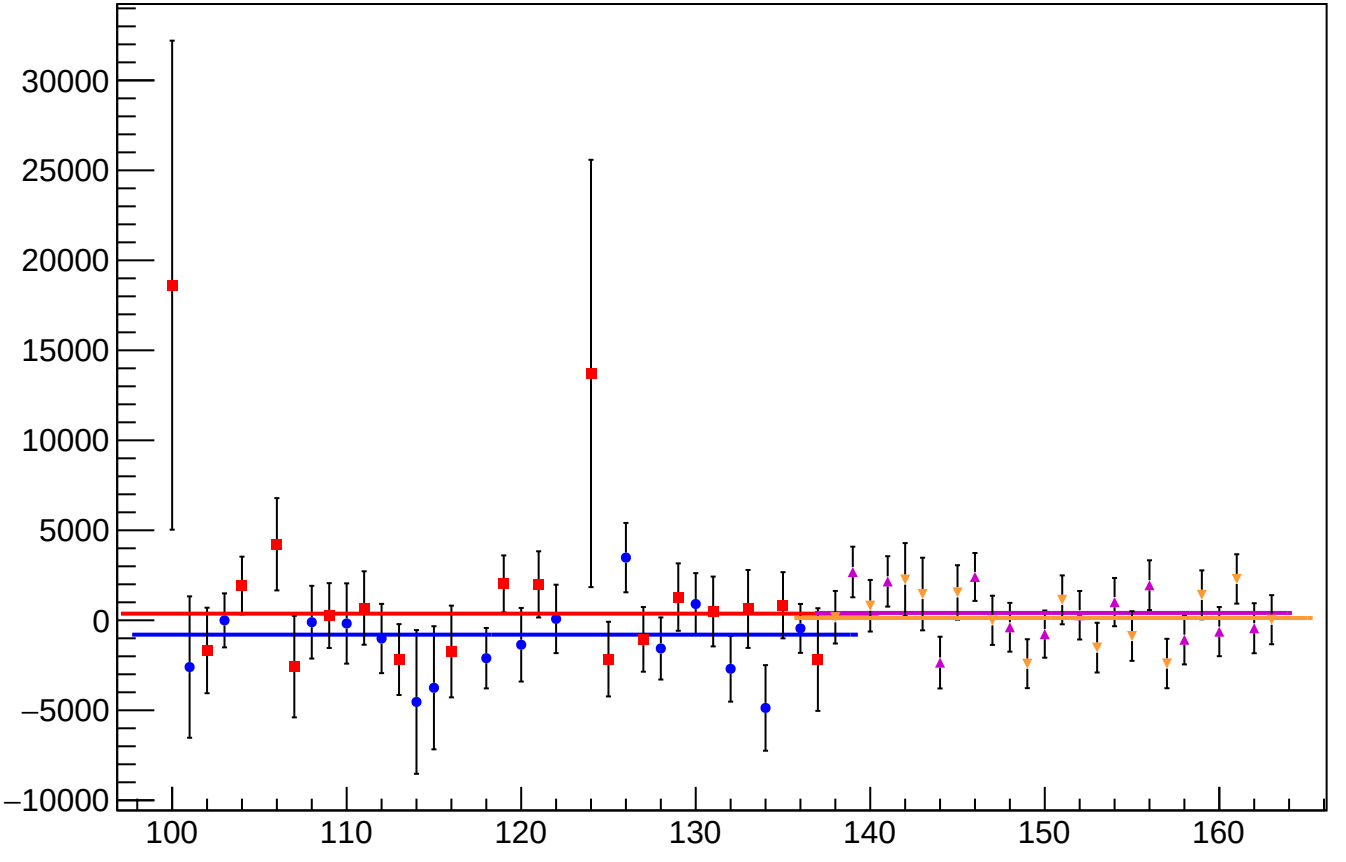
Left In: 0.000+/-0.000 χ^2/NDF:985825.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 6170915.7/29

All: 0.000+/-0.000 χ^2/NDF: 11073353.6/60

- sign 0.000+/-0.000 χ^2/NDF: 4482505.2/30

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

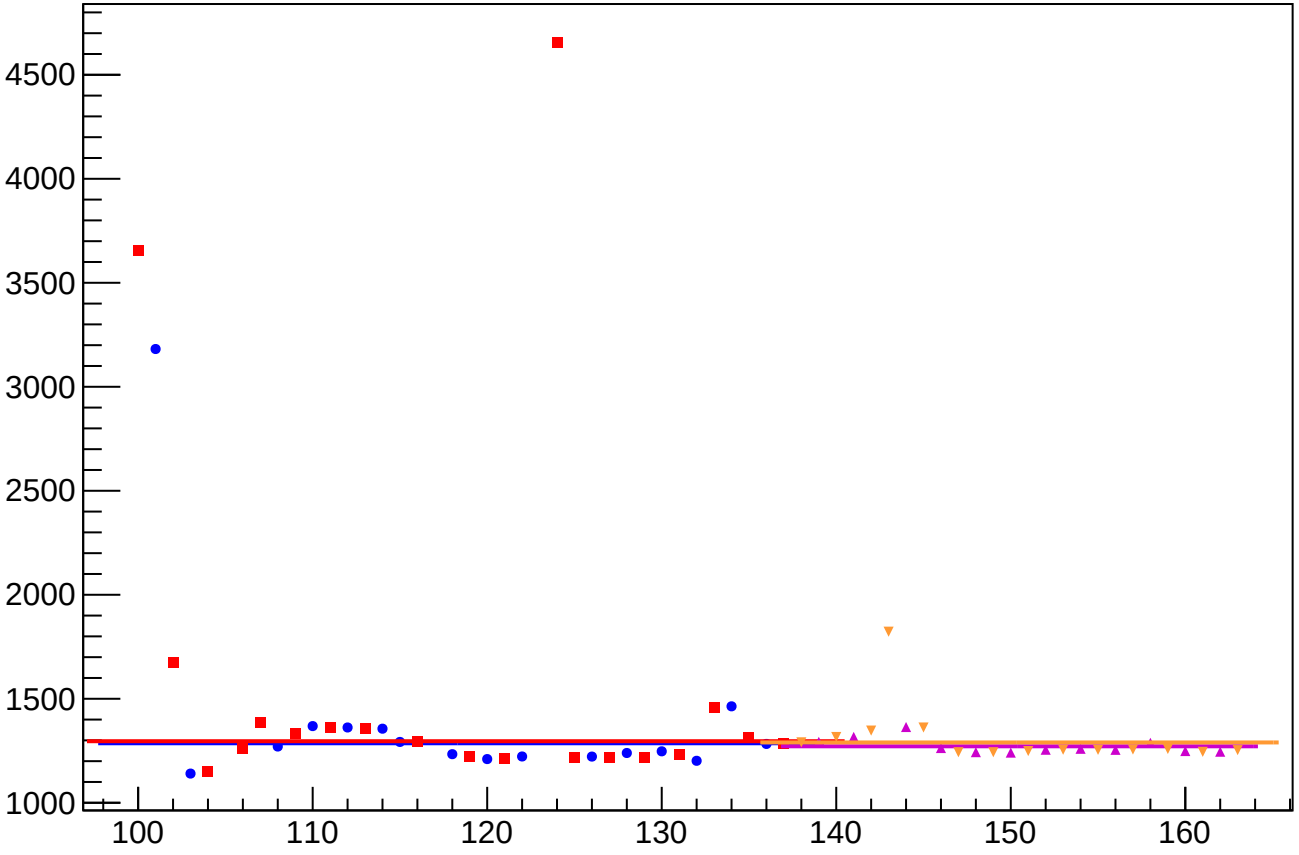
Left In: 409.673+/-395.121 χ^2/NDF:14.9/11

+ sign -230.021+/-302.895 χ^2/NDF: 31.1/29

All: 78.201+/-215.456 χ^2/NDF: 63.6/60

- sign 393.882+/-306.539 χ^2/NDF: 30.5/30

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

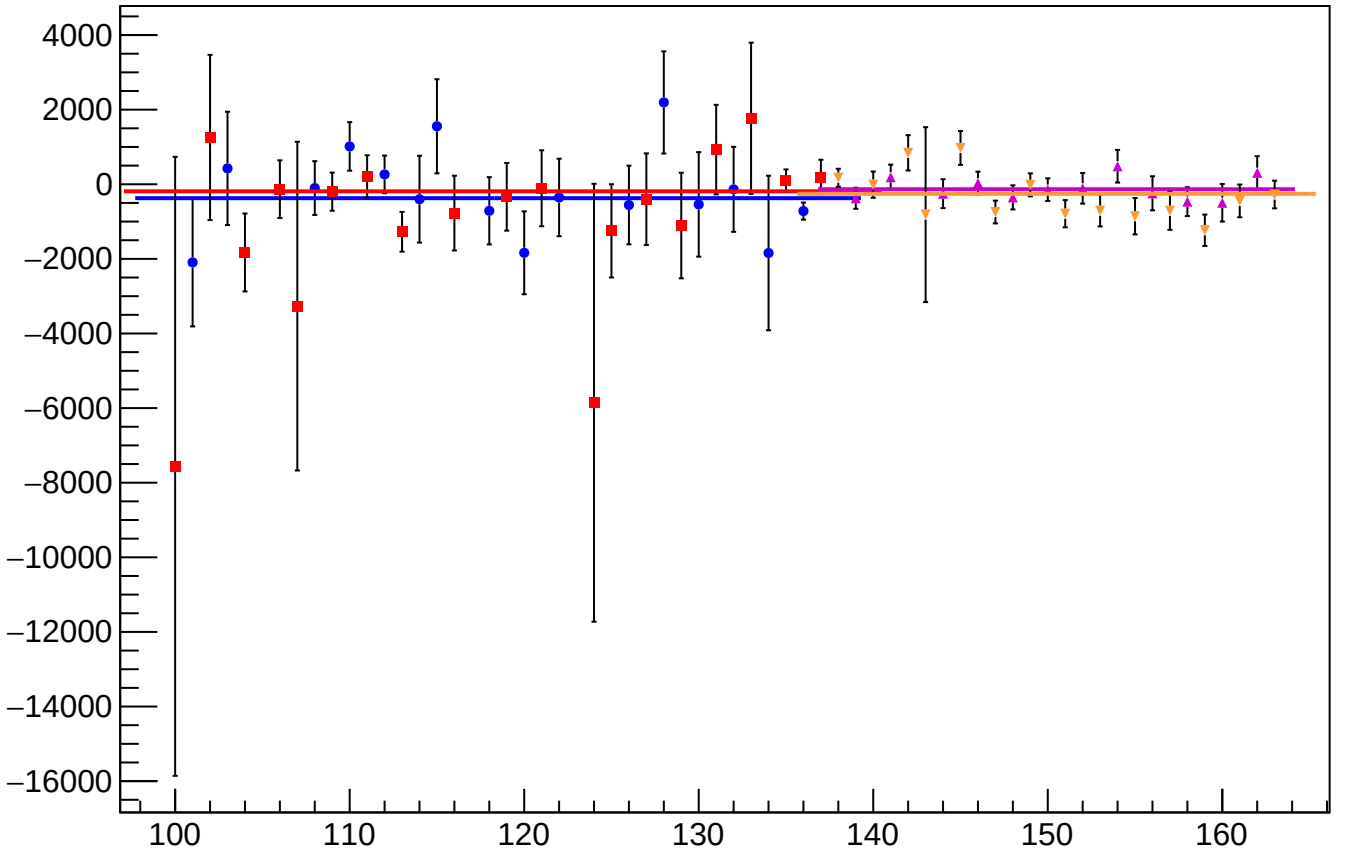
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679485.7/29

All: 1284.913+/-0.152 χ^2/NDF: 1026364.0/60

- sign 1281.237+/-0.217 χ^2/NDF: 346309.9/30



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -256.427+/-102.449 χ^2/NDF:30.8/13

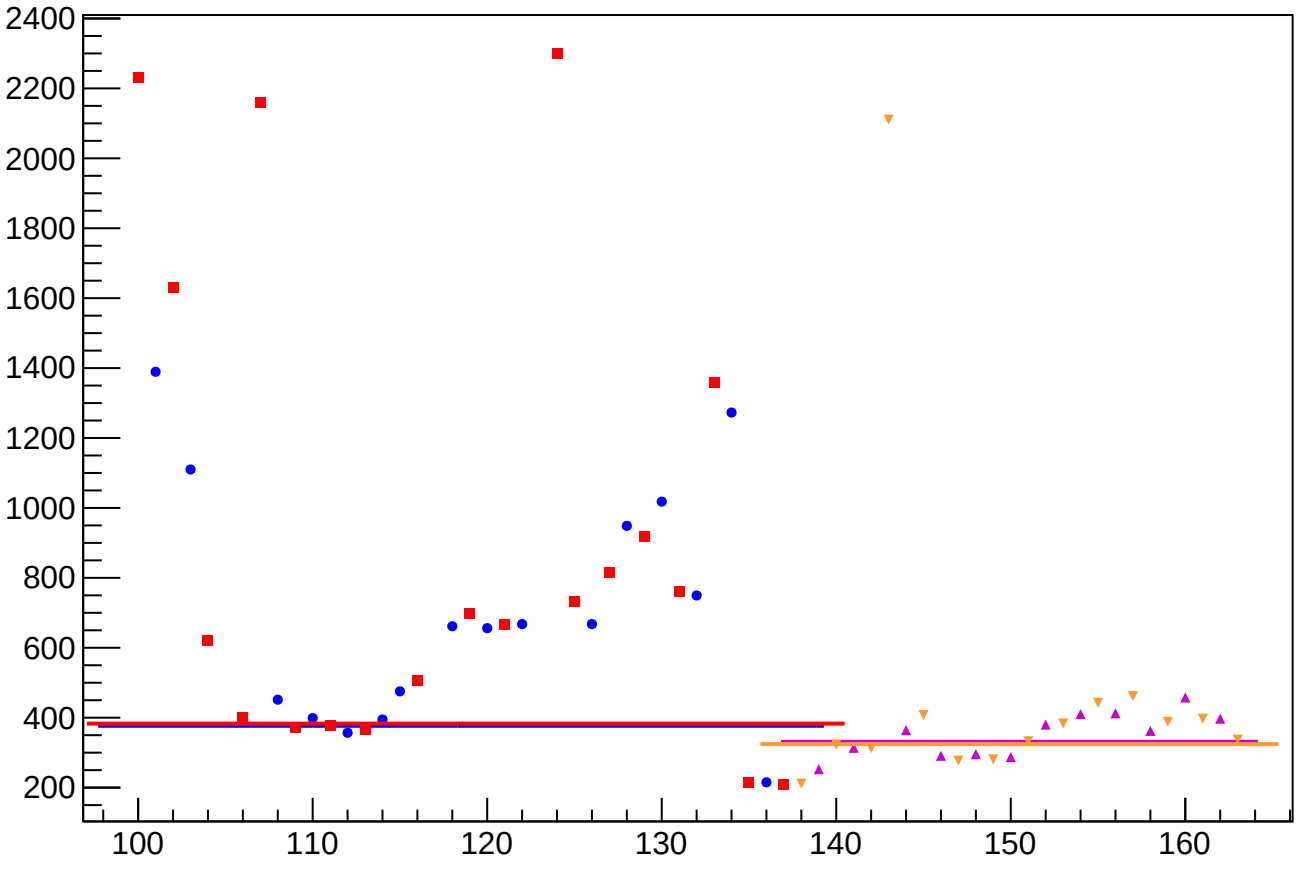
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -133.107+/-104.958 χ^2/NDF:6.8/11

+ sign -287.788+/-87.497 χ^2/NDF: 49.3/29

All: -219.558+/-62.479 χ^2/NDF: 72.1/60

- sign -148.573+/-89.246 χ^2/NDF: 21.5/30



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 324.425+/-0.072 χ^2/NDF:2158928.8/13

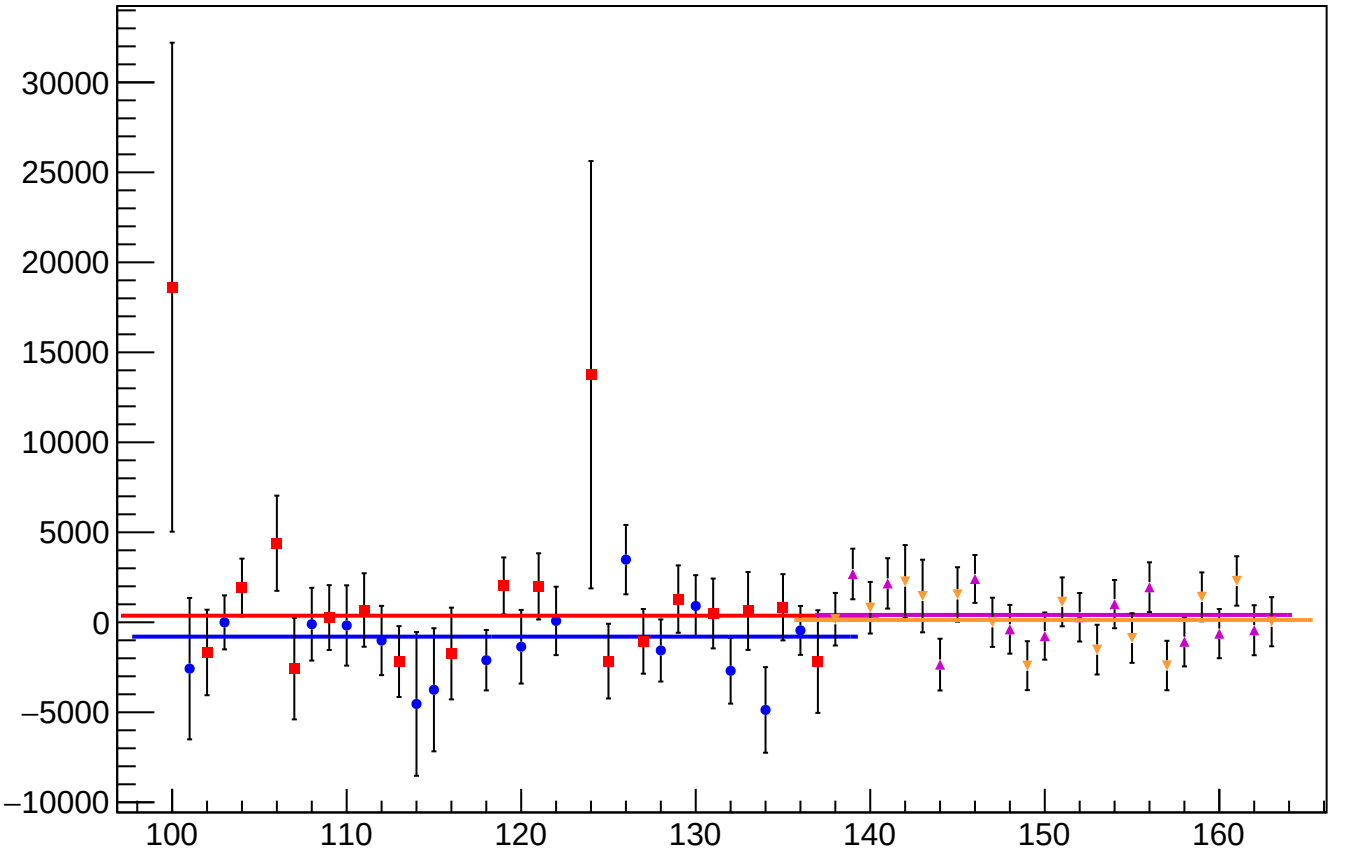
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.002+/-0.074 χ^2/NDF:615995.3/11

+ sign 338.622+/-0.062 χ^2/NDF: 6491064.1/29

All: 341.956+/-0.044 χ^2/NDF: 11303458.3/60

- sign 345.425+/-0.063 χ^2/NDF: 4806469.9/30



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

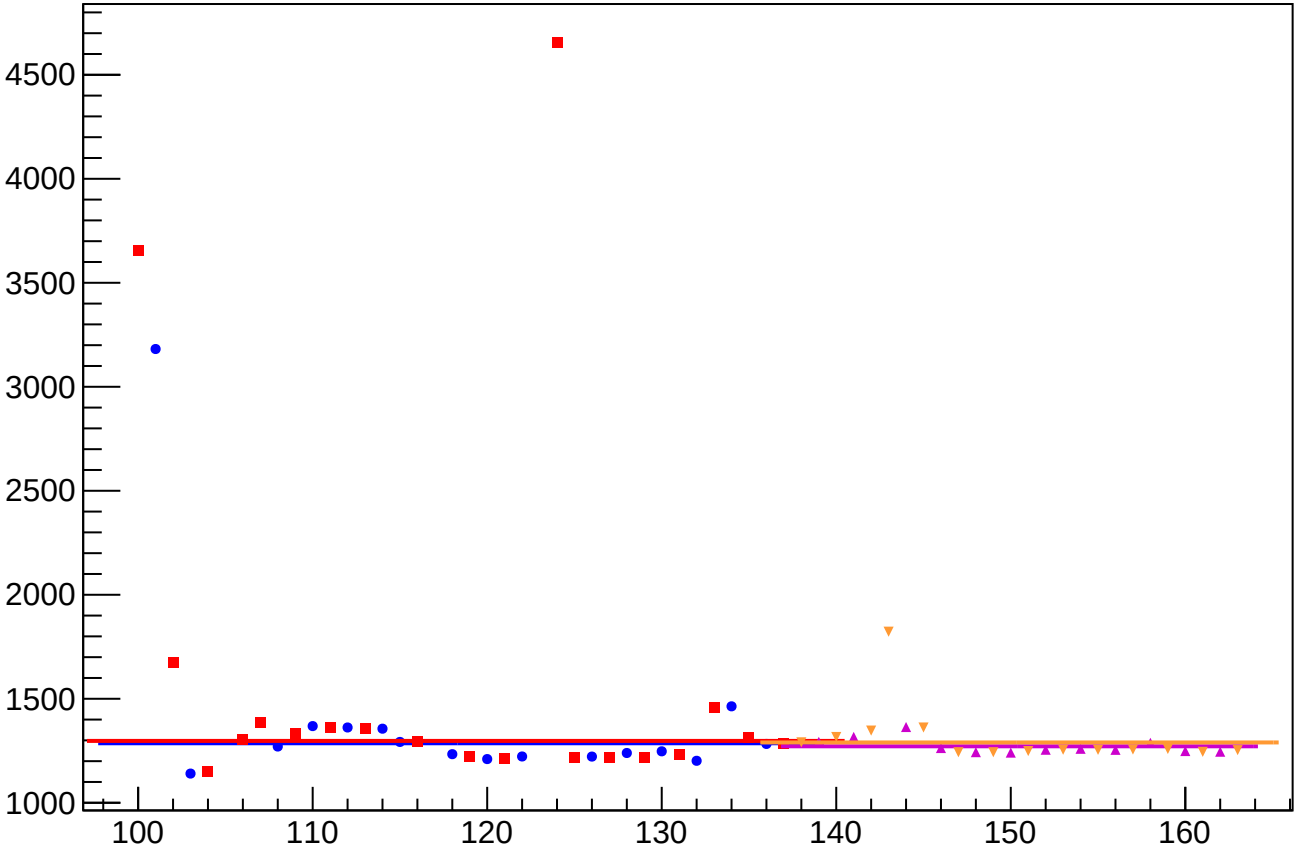
Left In: 409.657+/-395.121 χ^2/NDF:14.9/11

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 77.674+/-215.502 χ^2/NDF: 63.7/60

- sign 392.886+/-306.670 χ^2/NDF: 30.5/30

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

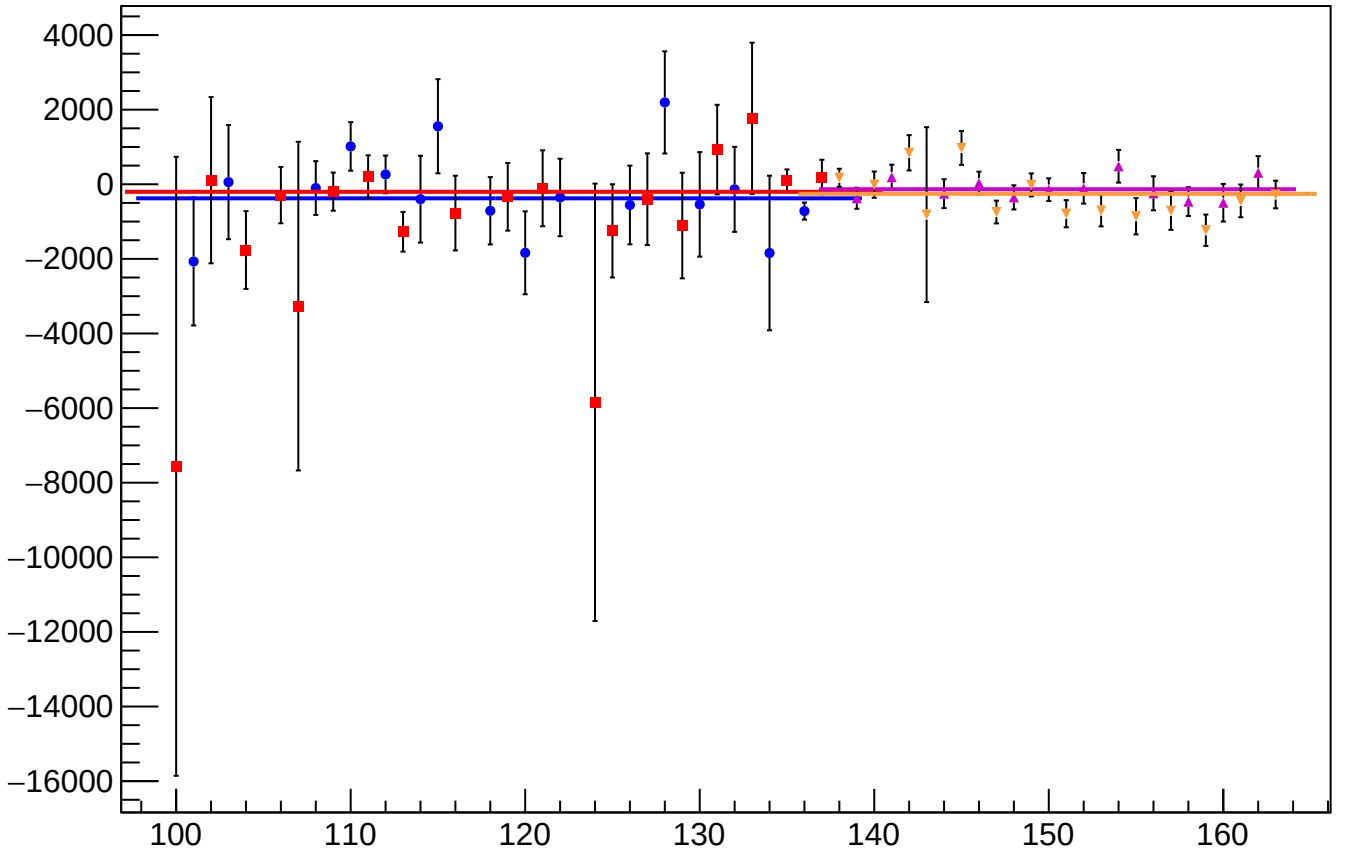
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

- sign 1281.801+/-0.217 χ^2/NDF: 346349.6/30



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -256.426+/-102.451 χ^2/NDF:30.8/13

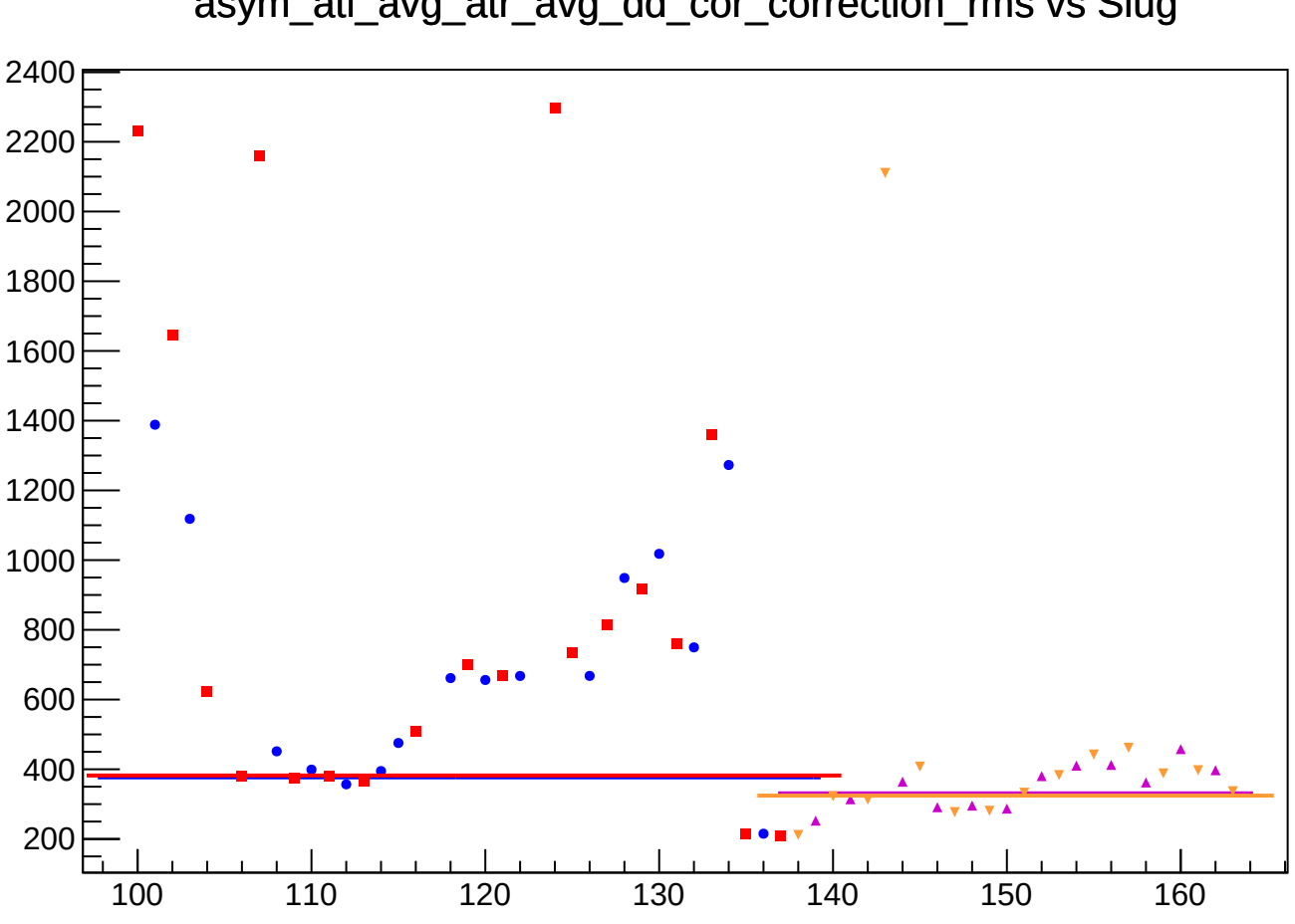
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -133.126+/-104.958 χ^2/NDF:6.8/11

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -221.958+/-62.470 χ^2/NDF: 71.3/60

- sign -152.275+/-89.217 χ^2/NDF: 21.0/30



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 324.434+/-0.072 χ^2/NDF:2158816.7/13

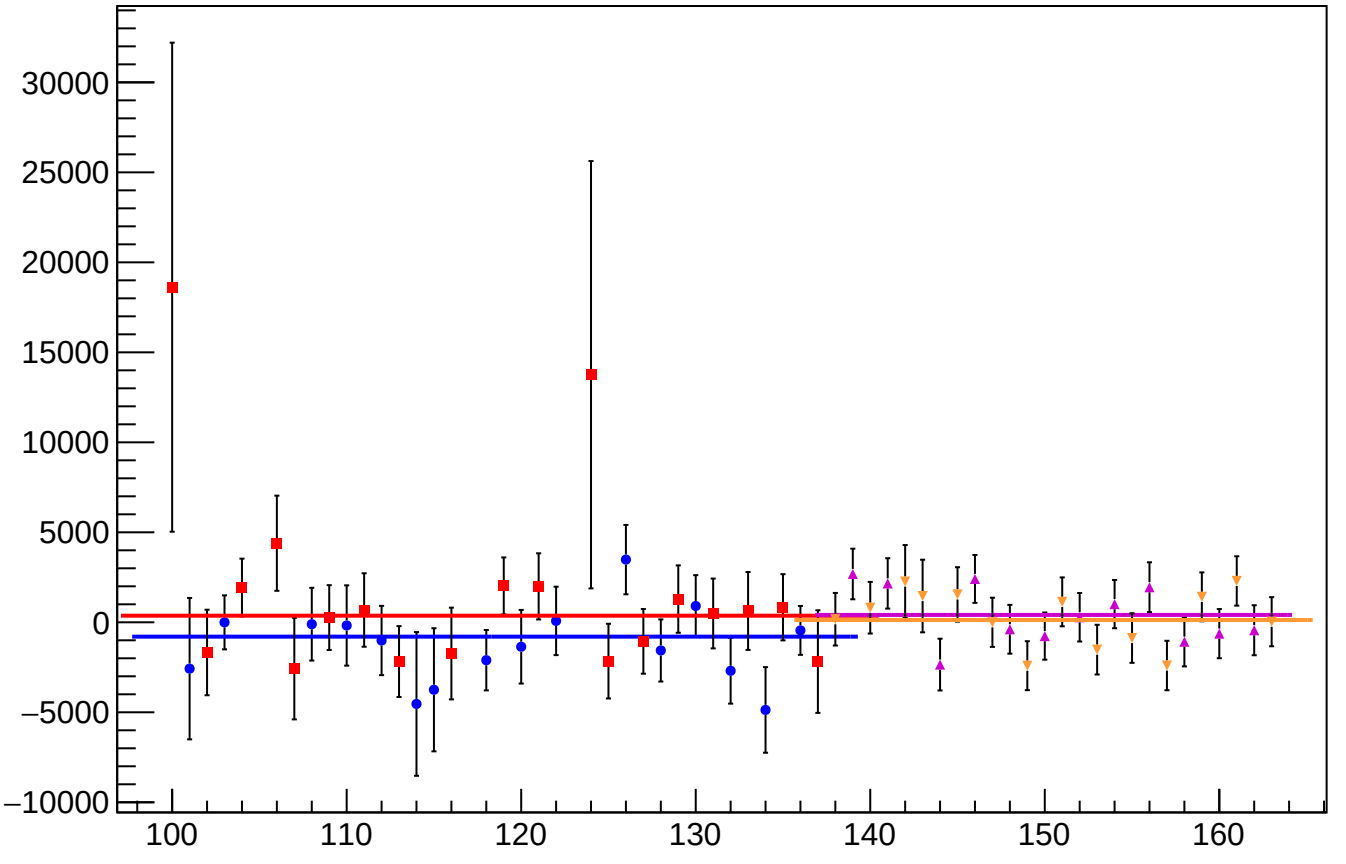
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60

- sign 345.188+/-0.063 χ^2/NDF: 4807408.5/30



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

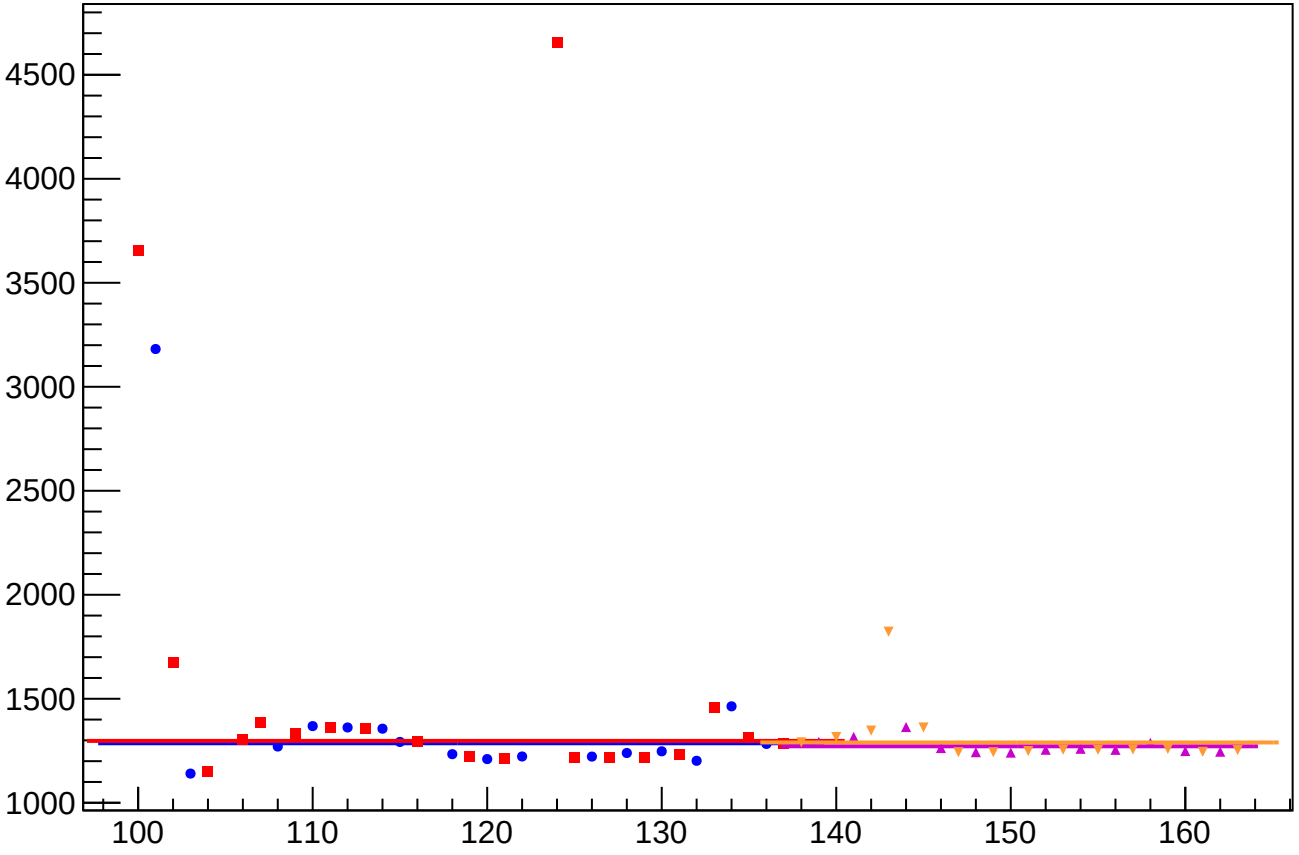
Left In: 409.657+/-395.121 χ^2/NDF:14.9/11

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 77.674+/-215.502 χ^2/NDF: 63.7/60

- sign 392.886+/-306.670 χ^2/NDF: 30.5/30

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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

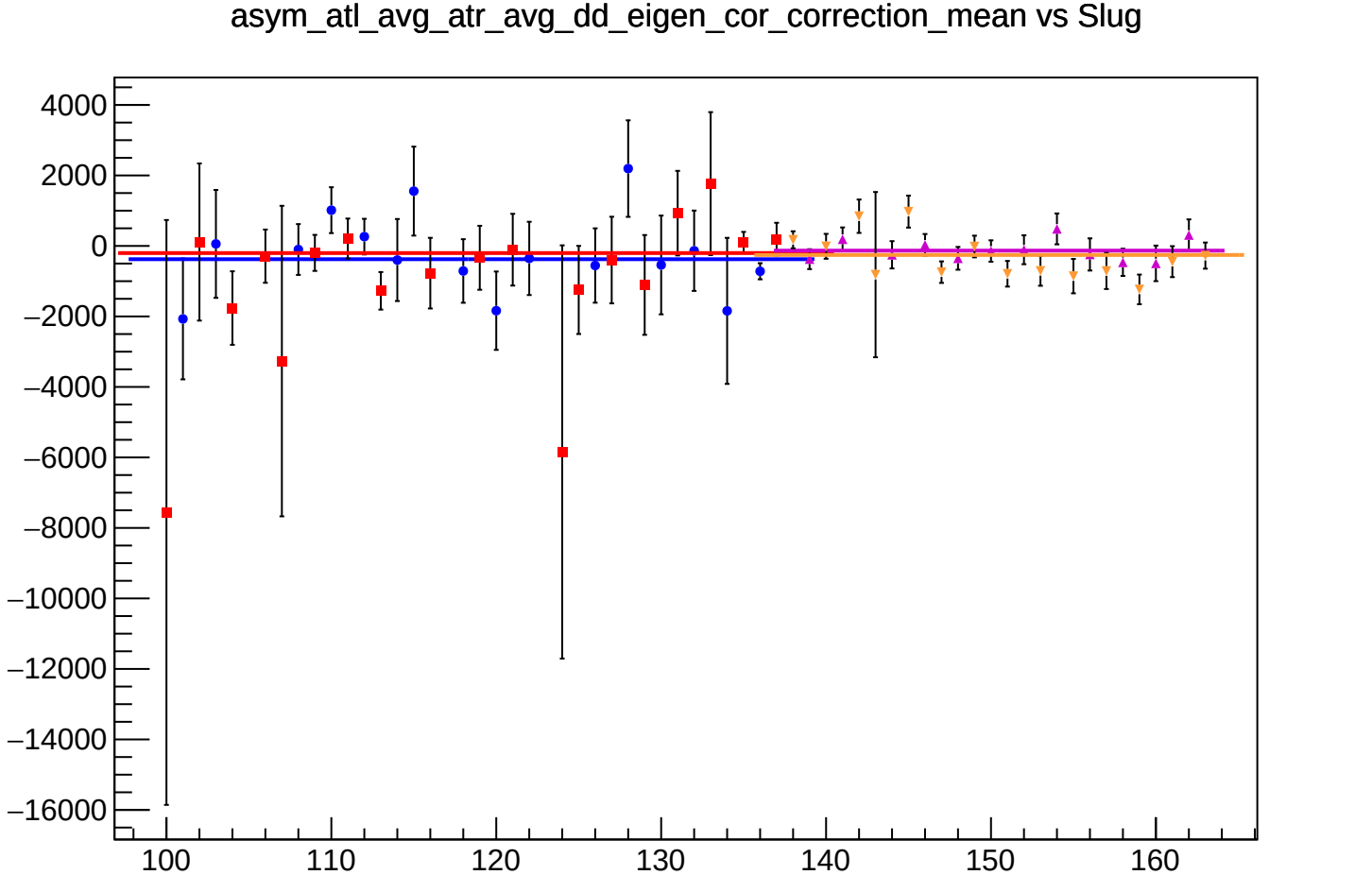
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

- sign 1281.801+/-0.217 χ^2/NDF: 346349.6/30



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -256.426+/-102.451 χ^2/NDF:30.8/13

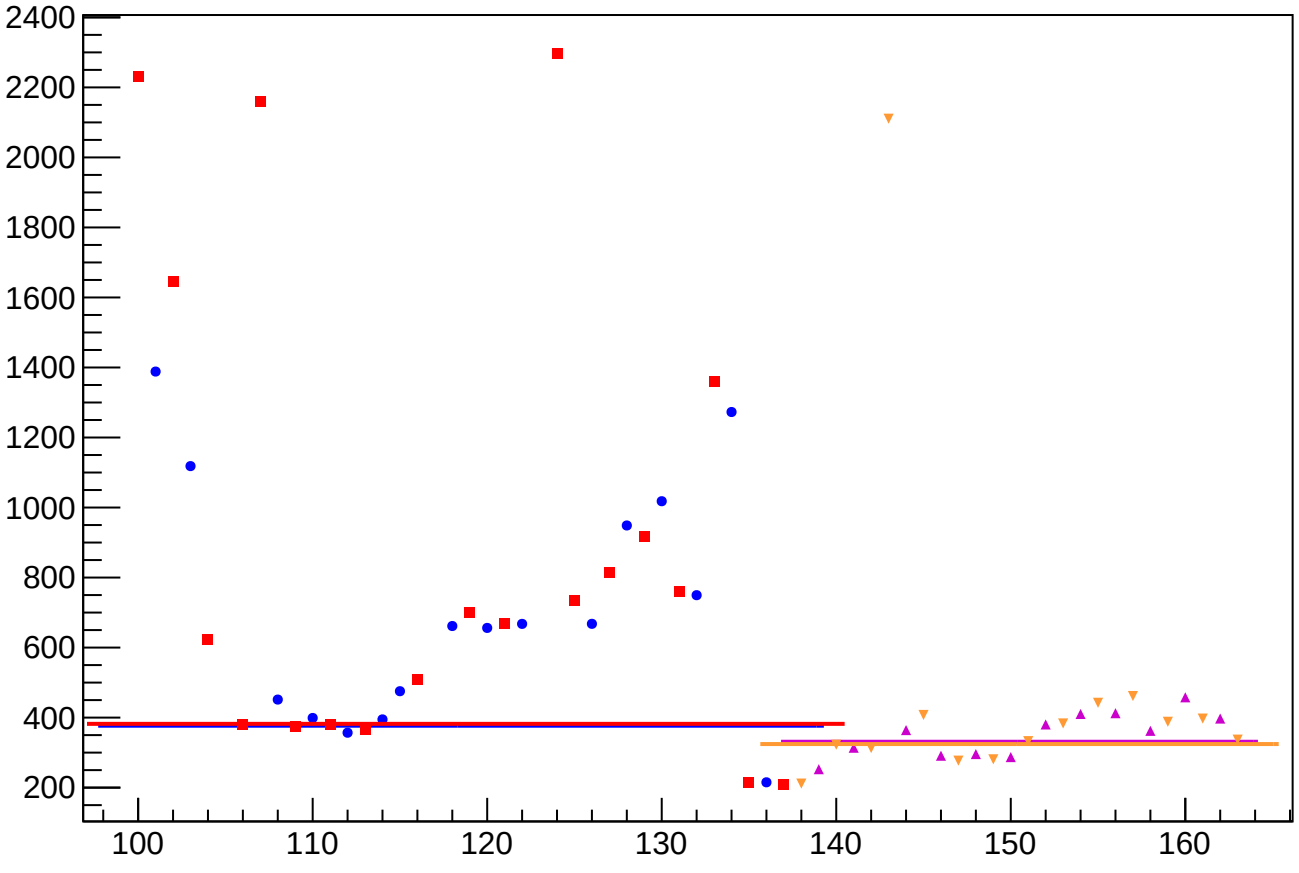
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -133.126+/-104.958 χ^2/NDF:6.8/11

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -221.958+/-62.470 χ^2/NDF: 71.3/60

- sign -152.275+/-89.217 χ^2/NDF: 21.0/30



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

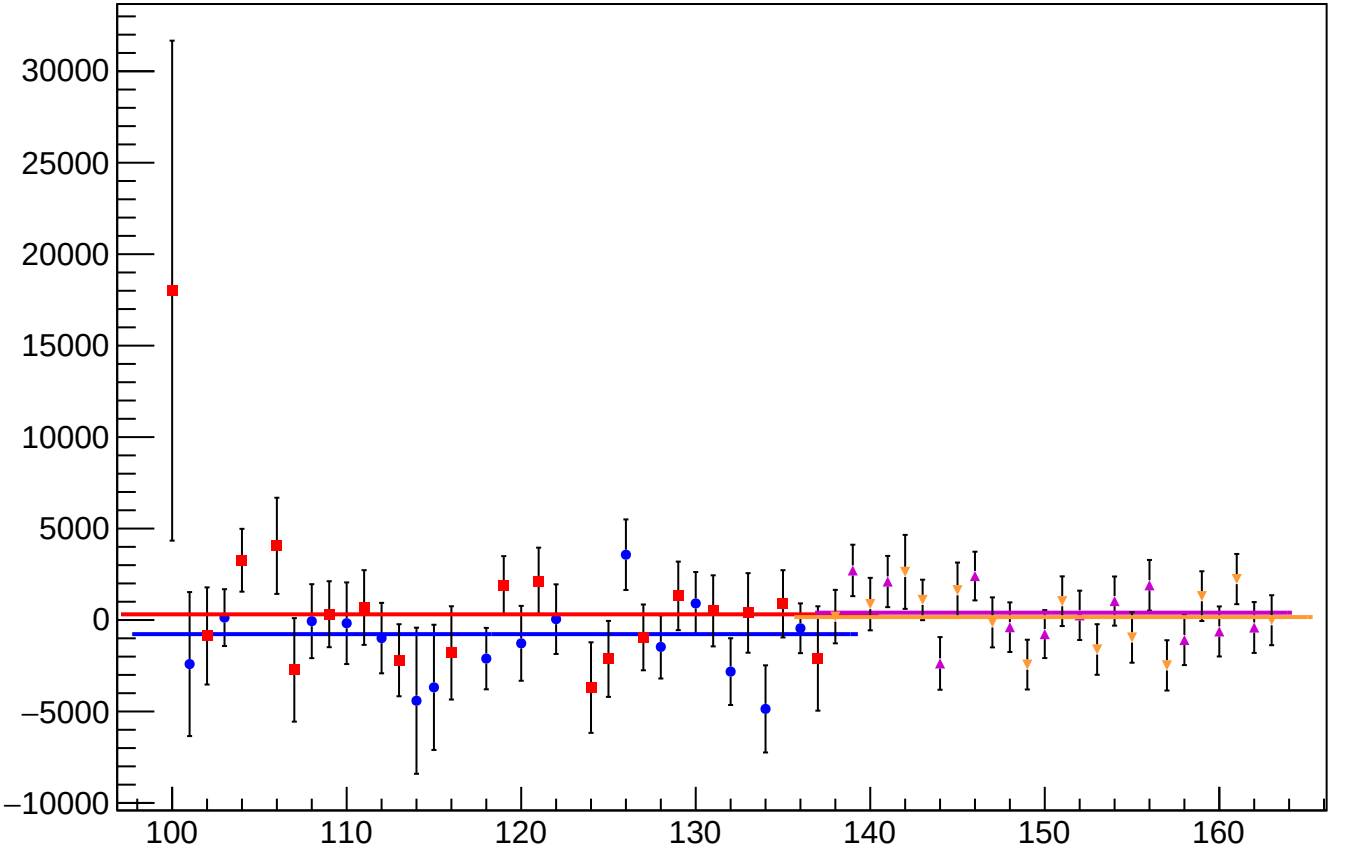
Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60

- sign 345.188+/-0.063 χ^2/NDF: 4807408.5/30

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 161.019+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

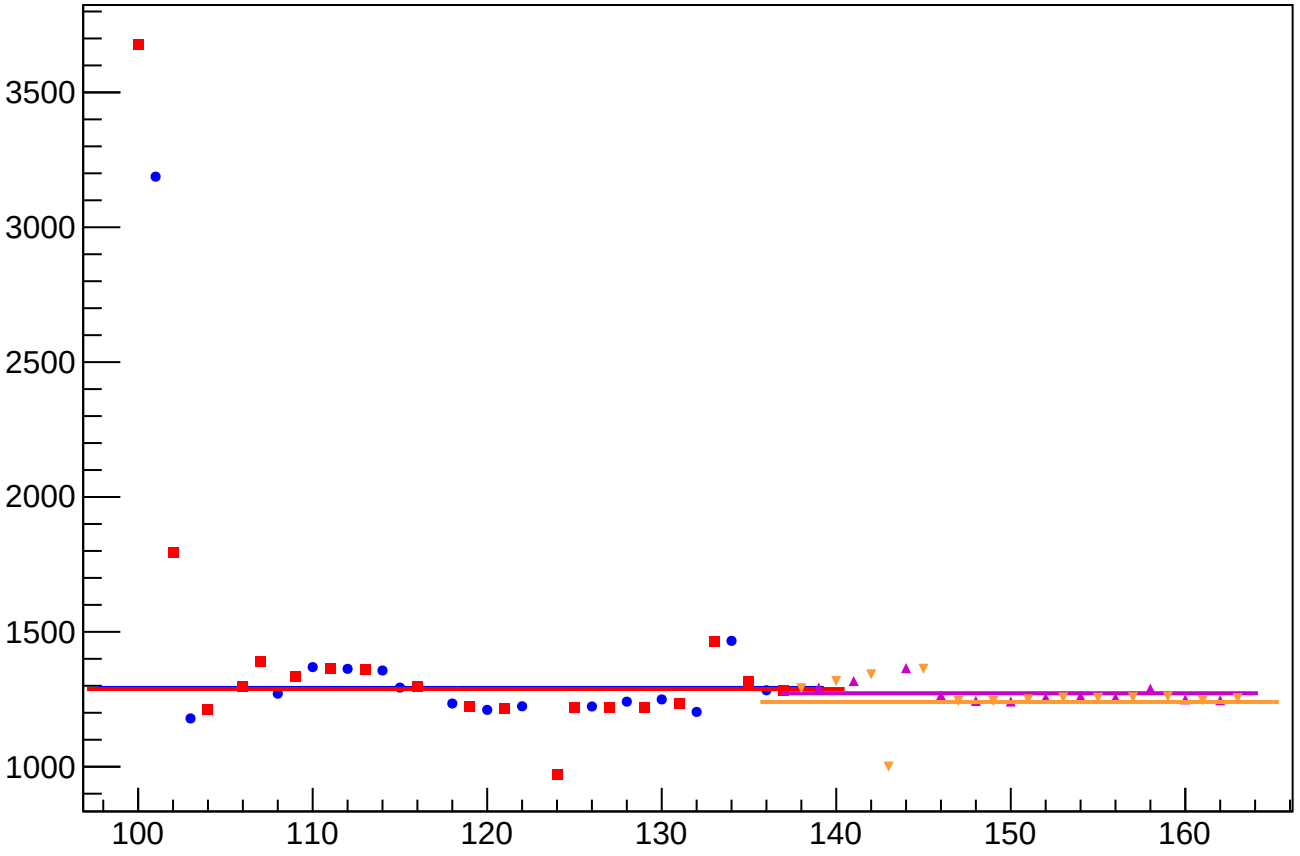
Left In: 402.430+/-395.437 χ^2/NDF:14.8/11

+ sign -179.481+/-295.851 χ^2/NDF: 32.4/29

All: 84.109+/-212.656 χ^2/NDF: 66.8/60

- sign 365.875+/-305.881 χ^2/NDF: 32.7/30

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

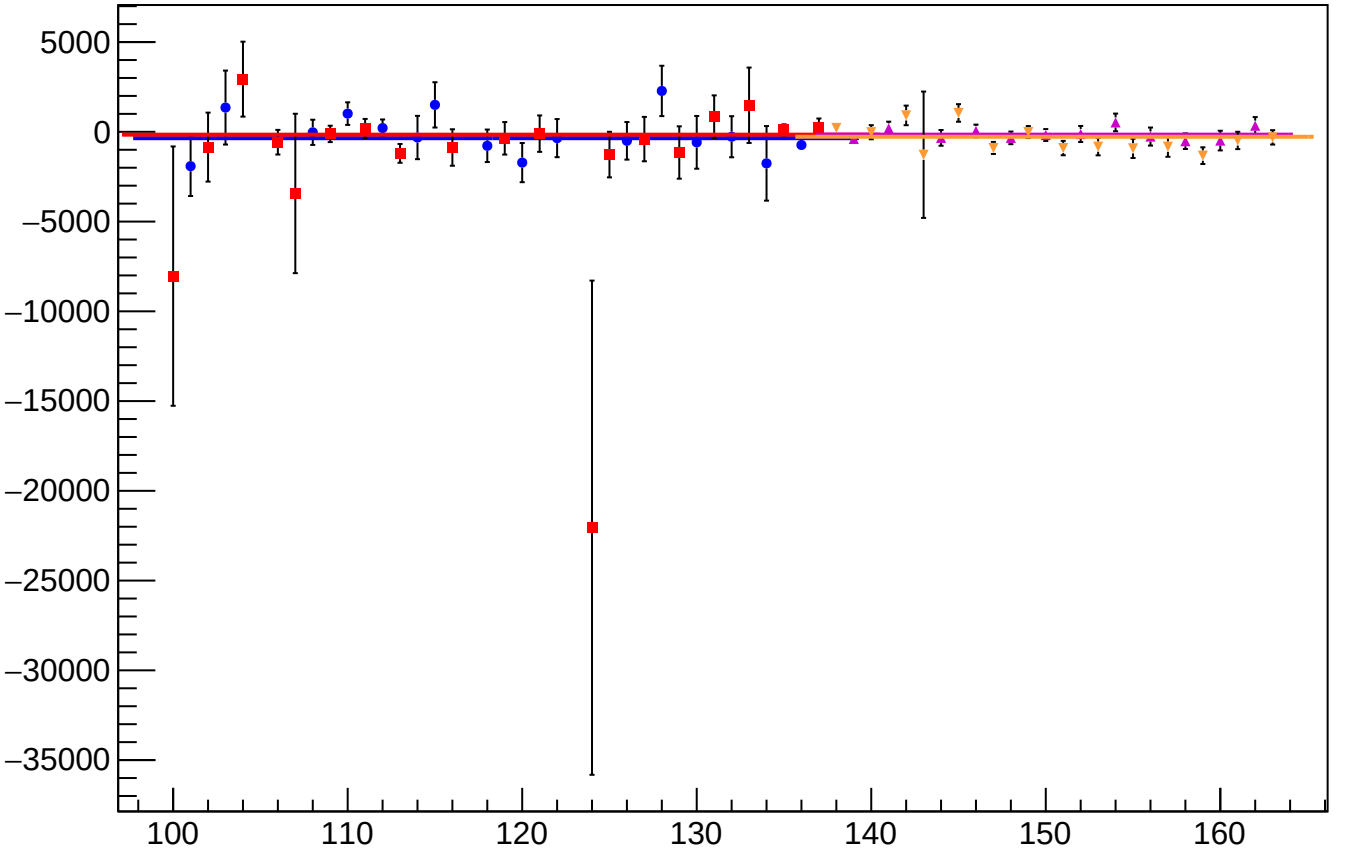
Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

+ sign 1259.058+/-0.209 χ^2/NDF: 645618.5/29

All: 1268.569+/-0.150 χ^2/NDF: 875604.9/60

- sign 1278.735+/-0.216 χ^2/NDF: 225710.4/30

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -275.158+/-111.113 χ^2/NDF:32.2/13

Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

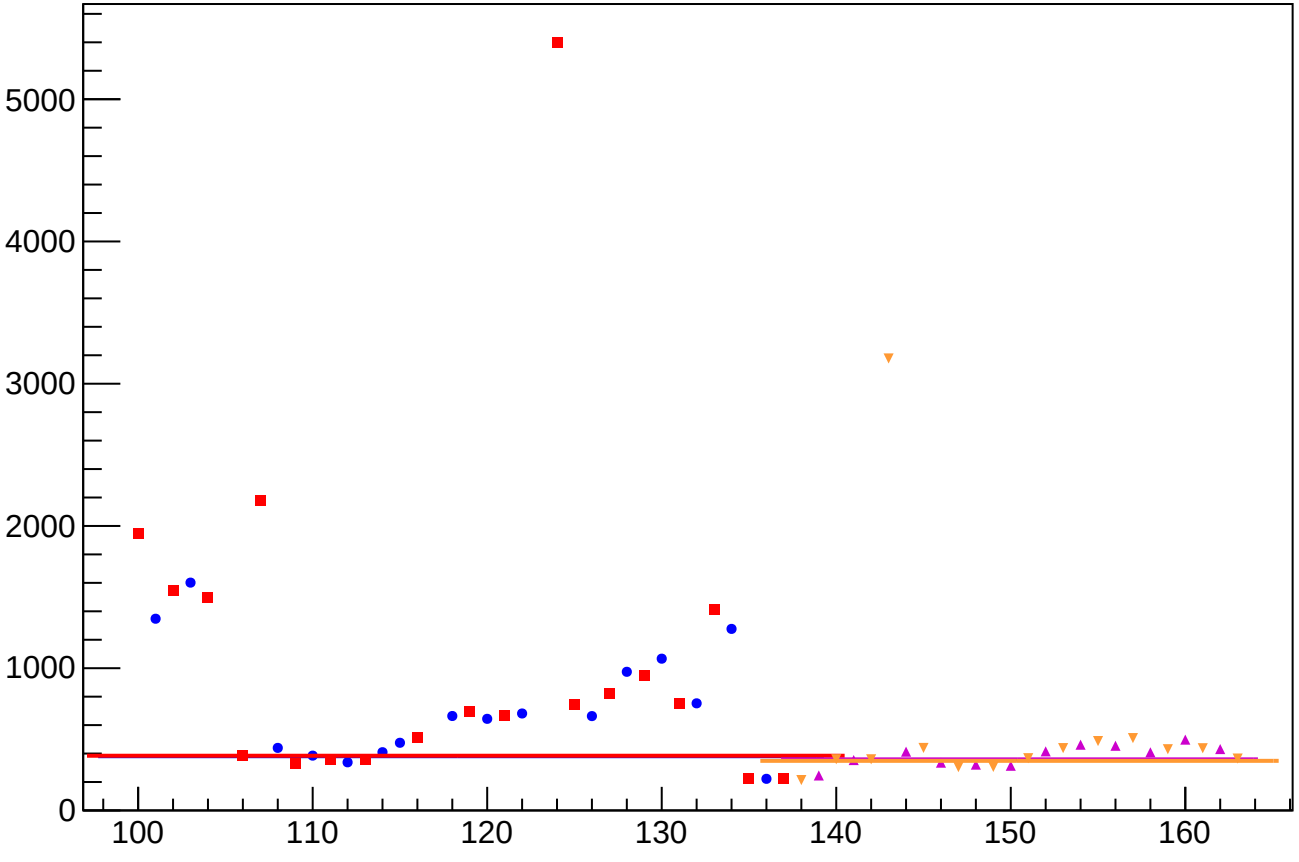
Left In: -156.826+/-114.479 χ^2/NDF:6.4/11

+ sign -299.130+/-93.004 χ^2/NDF: 50.8/29

All: -229.580+/-66.423 χ^2/NDF: 74.2/60

- sign -157.170+/-94.897 χ^2/NDF: 22.3/30

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

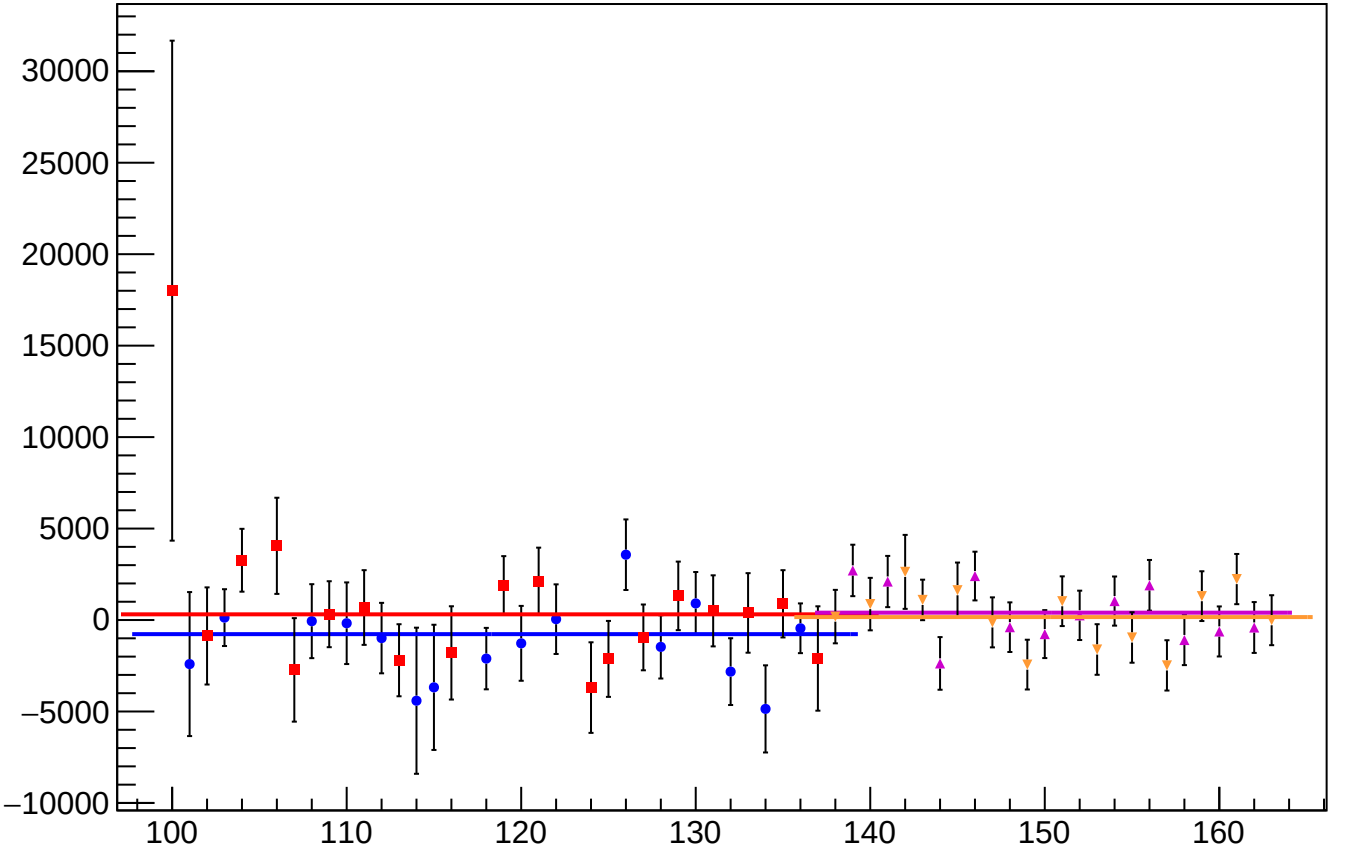
Left In: 359.195+/-0.081 χ^2/NDF:823635.3/11

+ sign 358.561+/-0.066 χ^2/NDF: 6915519.5/29

All: 362.773+/-0.047 χ^2/NDF: 12338673.6/60

- sign 367.159+/-0.067 χ^2/NDF: 5414779.3/30

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: 161.021+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

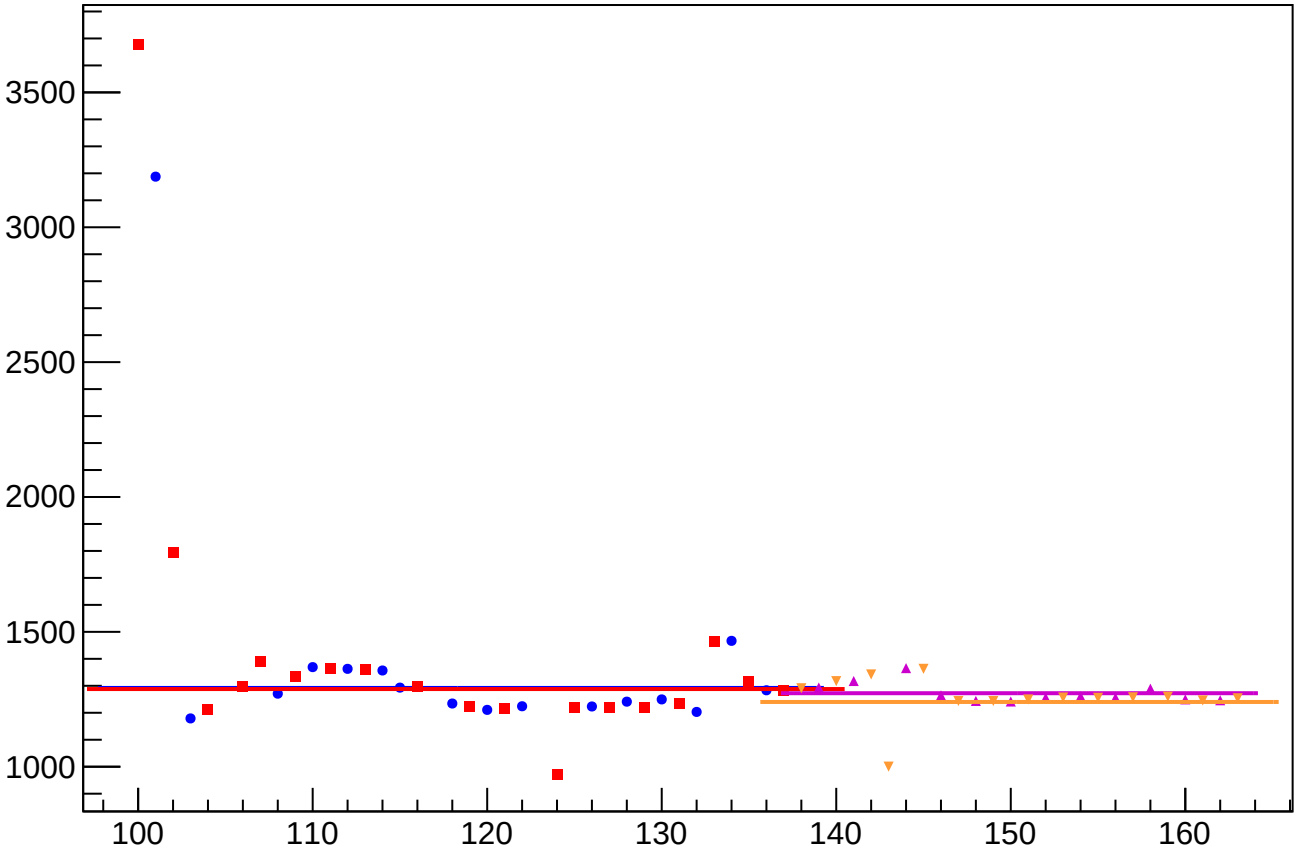
Left In: 402.429+/-395.437 χ^2/NDF:14.8/11

+ sign -179.480+/-295.851 χ^2/NDF: 32.4/29

All: 84.109+/-212.656 χ^2/NDF: 66.8/60

- sign 365.875+/-305.881 χ^2/NDF: 32.7/30

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: 1240.090+/-0.263 χ^2/NDF:121917.2/13

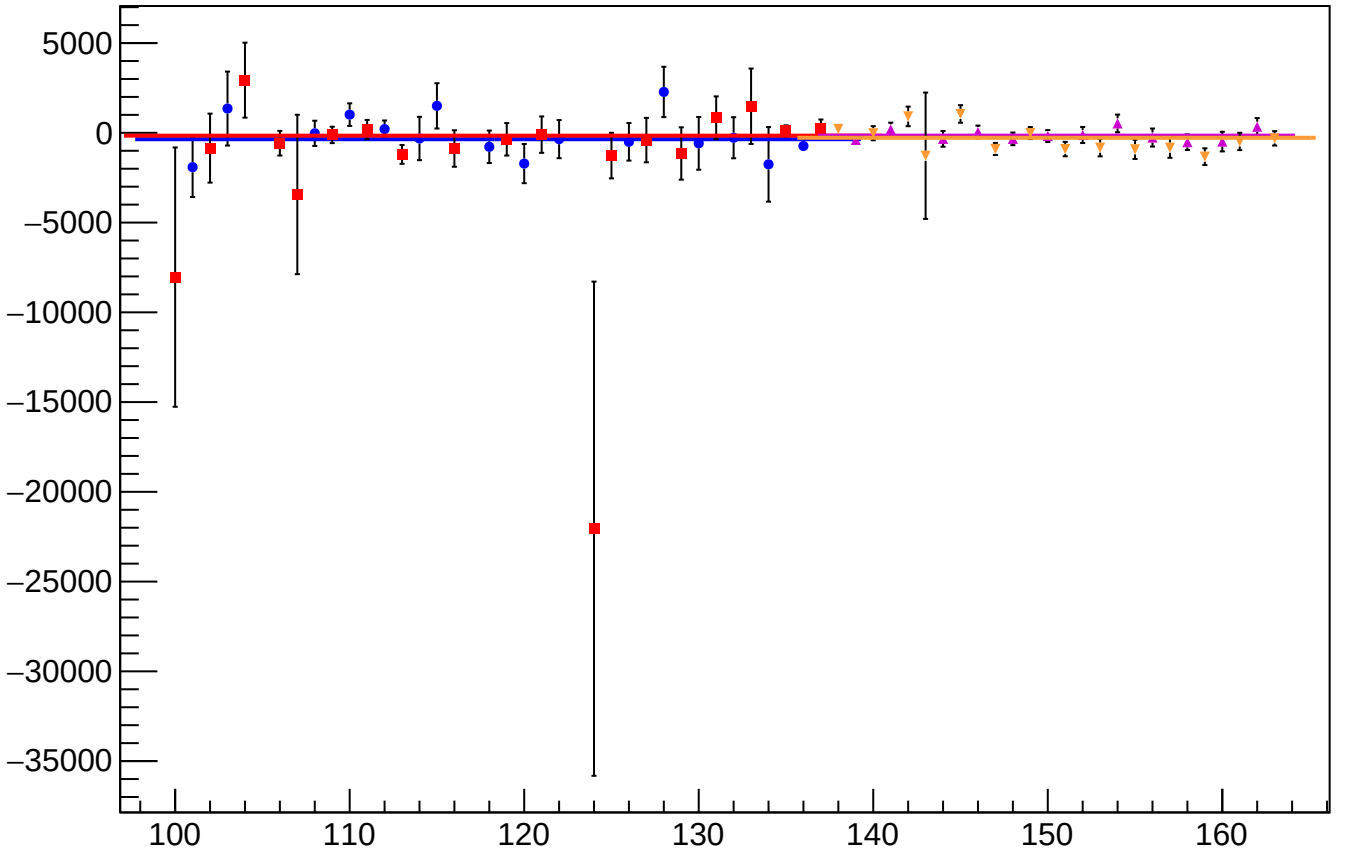
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

+ sign 1259.058+/-0.209 χ^2/NDF: 645617.6/29

All: 1268.569+/-0.150 χ^2/NDF: 875604.3/60

- sign 1278.735+/-0.216 χ^2/NDF: 225710.7/30



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -275.168+/-111.115 χ^2/NDF:32.2/13

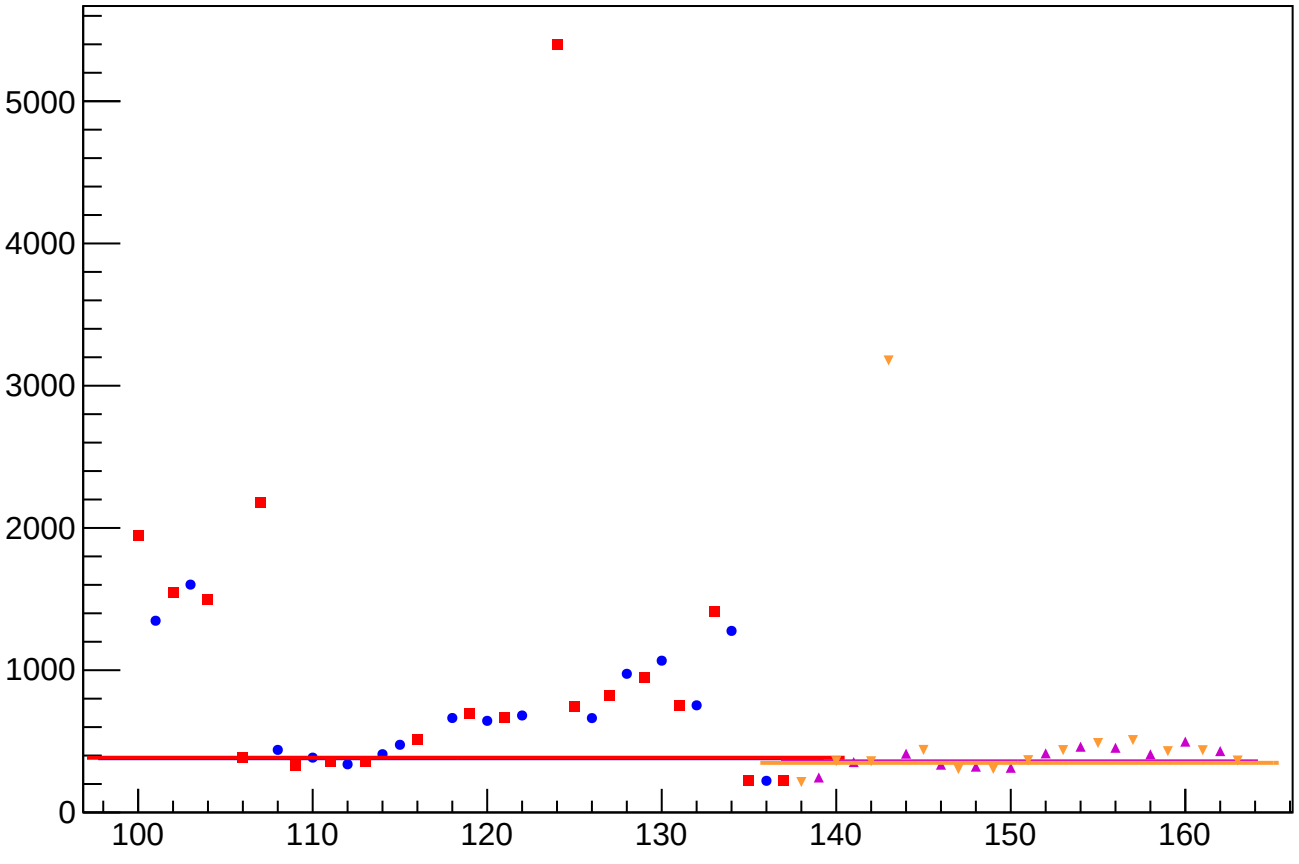
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.825+/-114.480 χ^2/NDF:6.4/11

\+ sign -299.137+/-93.005 χ^2/NDF: 50.8/29

All: -229.584+/-66.424 χ^2/NDF: 74.2/60

\- sign -157.171+/-94.898 χ^2/NDF: 22.3/30



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

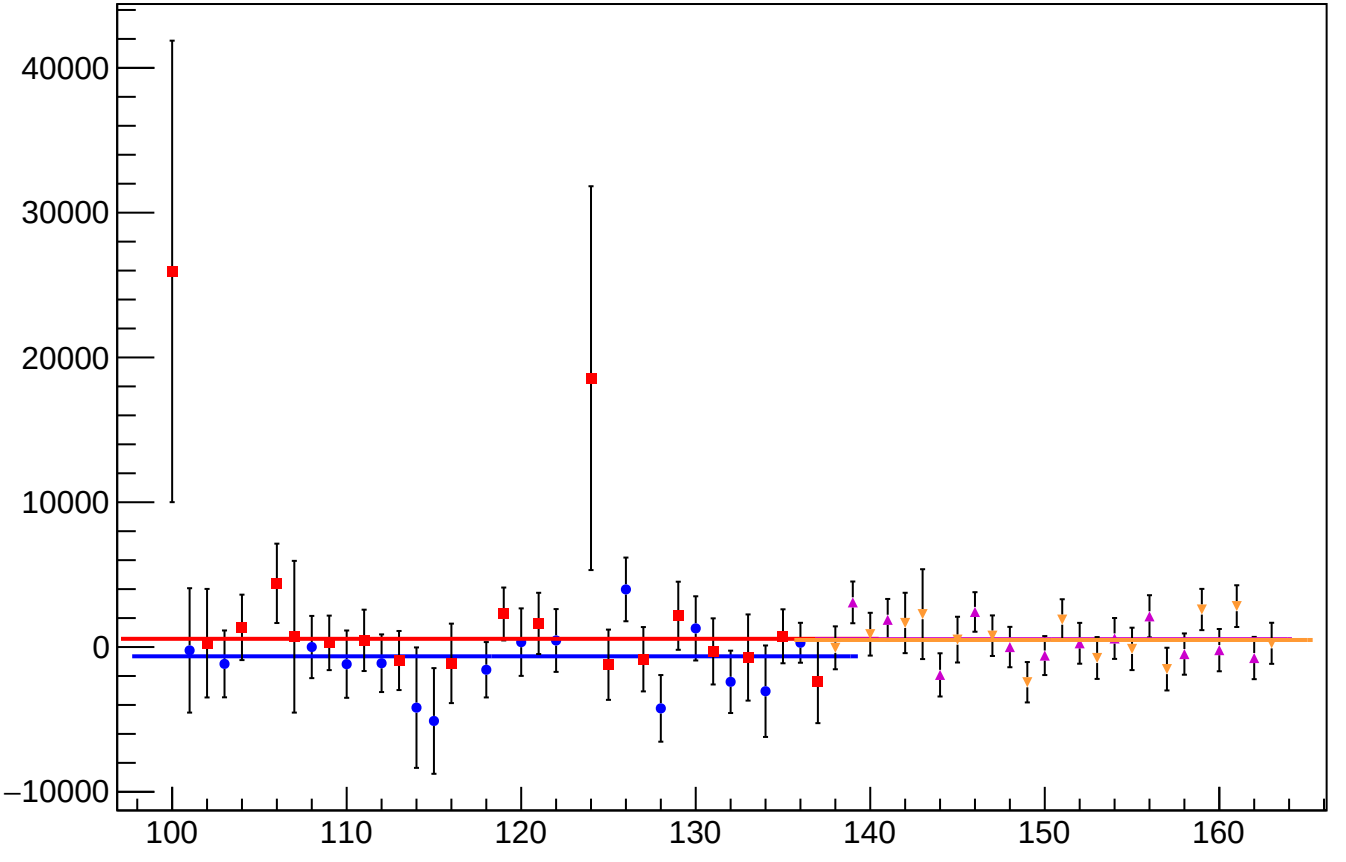
Left In: 359.200+/-0.081 χ^2/NDF:823525.4/11

+ sign 358.567+/-0.066 χ^2/NDF: 6915164.4/29

All: 362.779+/-0.047 χ^2/NDF: 12338073.2/60

- sign 367.164+/-0.067 χ^2/NDF: 5414536.7/30

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

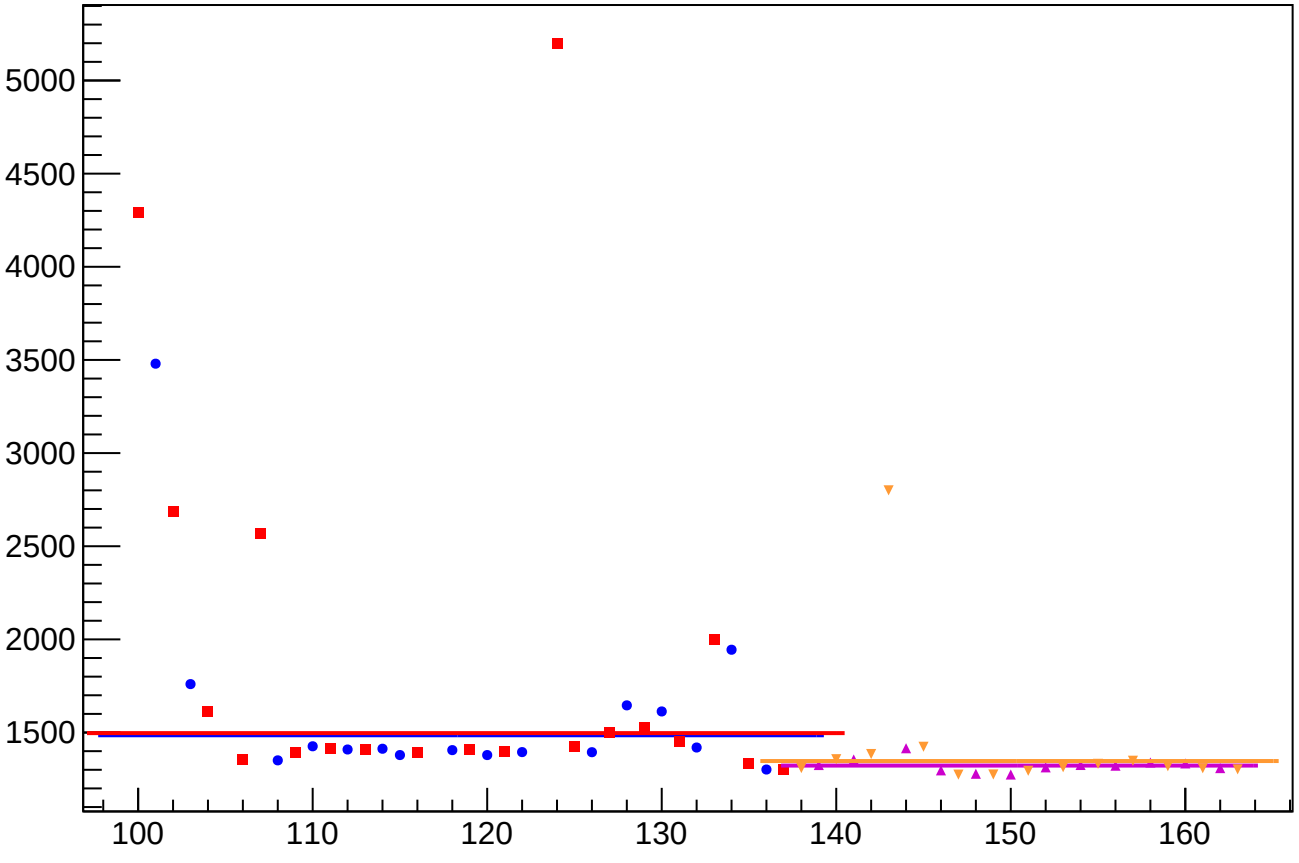
Left In: 545.065+/-411.018 χ^2/NDF:12.3/11

+ sign 101.993+/-329.834 χ^2/NDF: 29.0/29

All: 325.380+/-234.247 χ^2/NDF: 53.5/60

- sign 552.713+/-332.735 χ^2/NDF: 23.6/30

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

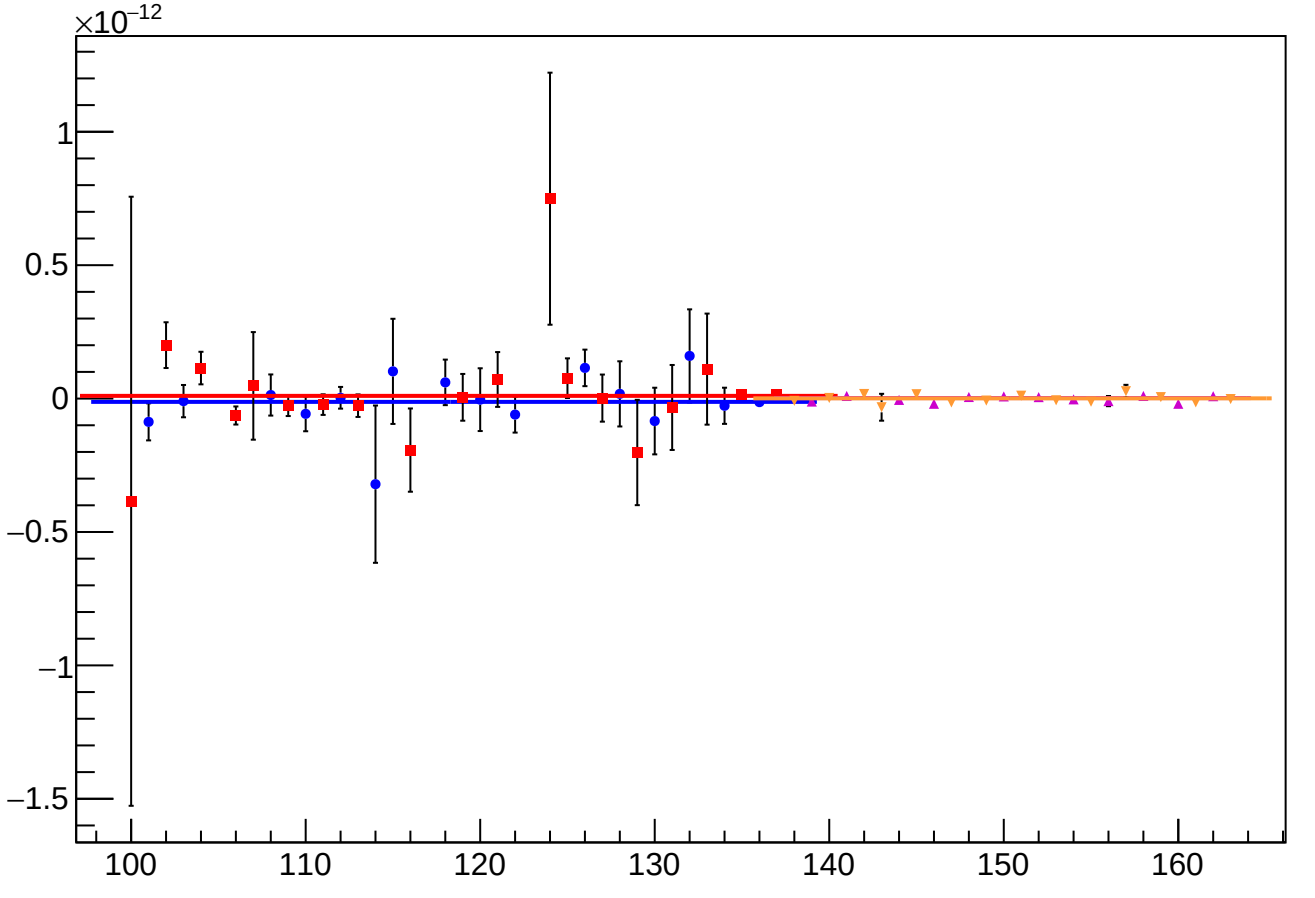
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.641+/-0.291 χ^2/NDF:14713.0/11

+ sign 1394.265+/-0.233 χ^2/NDF: 1127900.5/29

All: 1388.527+/-0.166 χ^2/NDF: 1890980.2/60

- sign 1382.687+/-0.235 χ^2/NDF: 761858.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

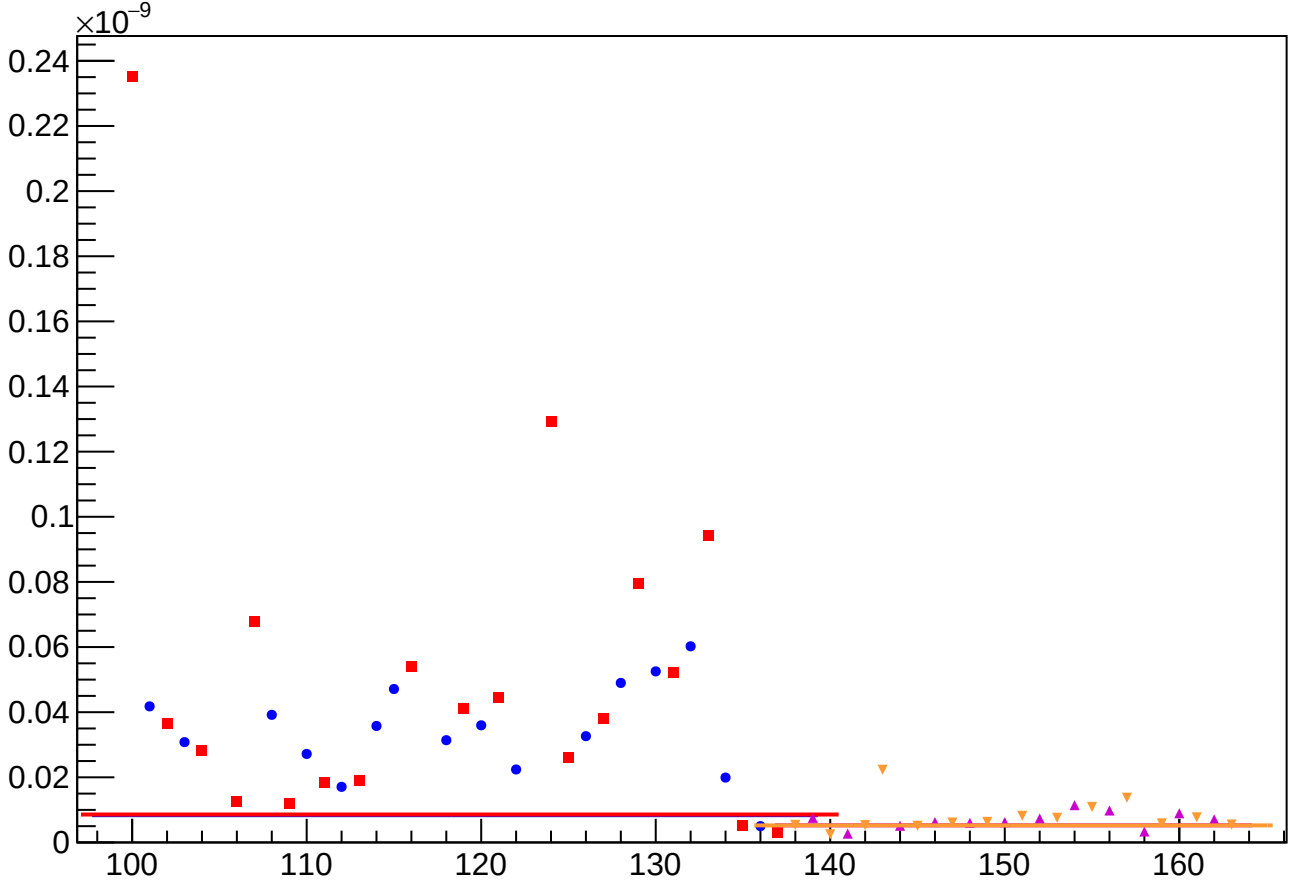
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 63.4/60

- sign 0.000+/-0.000 χ^2/NDF: 36.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619189.4/13

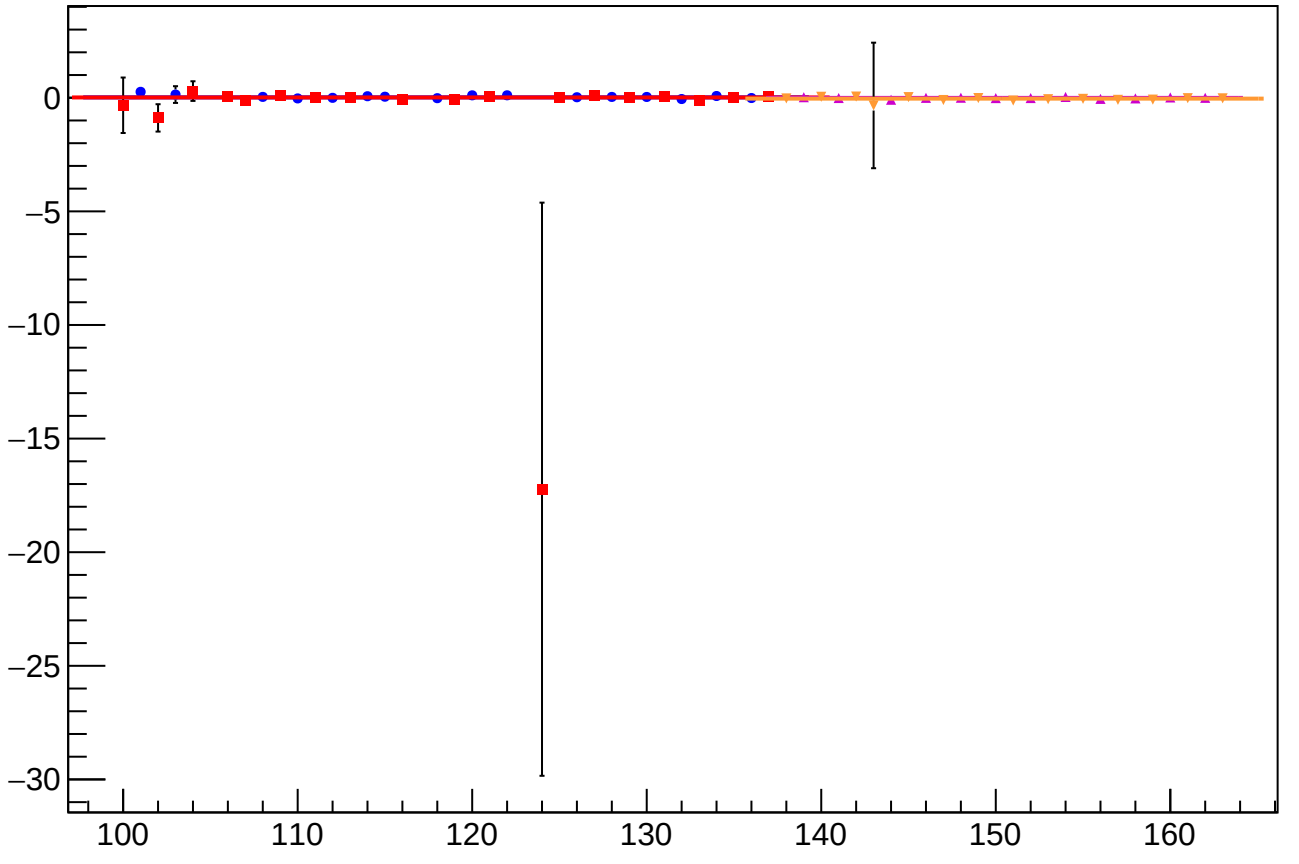
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1251943.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4994834.4/29

All: 0.000+/-0.000 χ^2/NDF: 9899633.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4904712.4/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

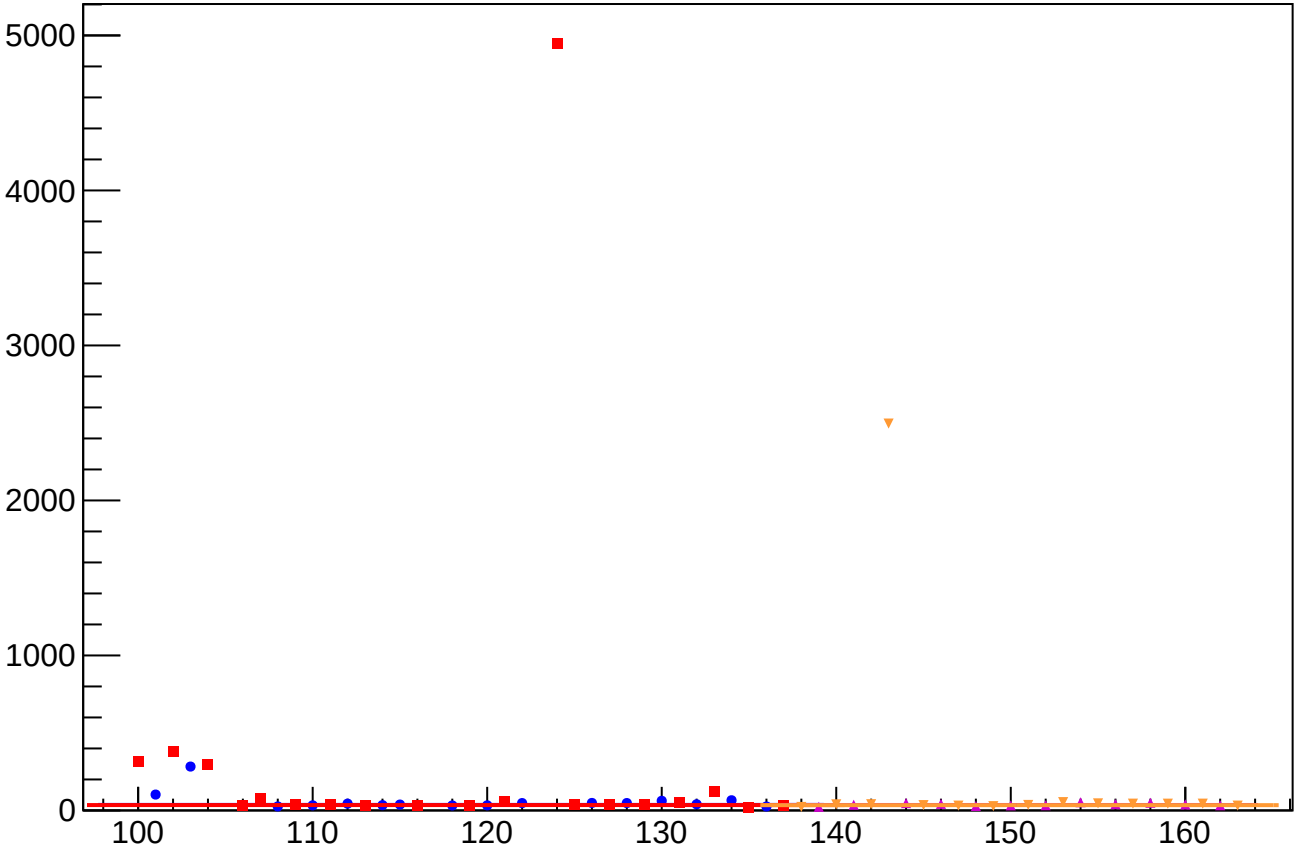
Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

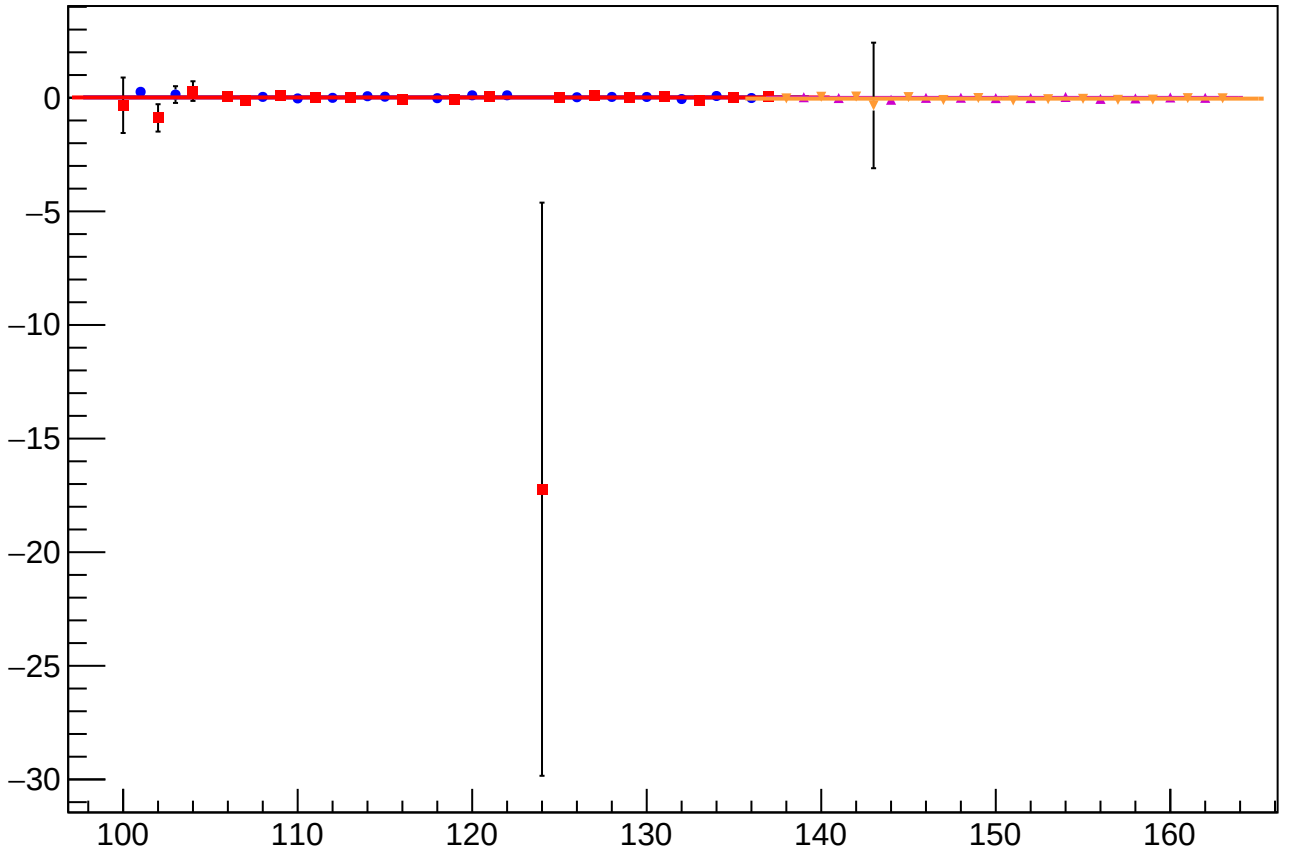
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

\- sign 35.114+/-0.007 χ^2/NDF: 3842062.1/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

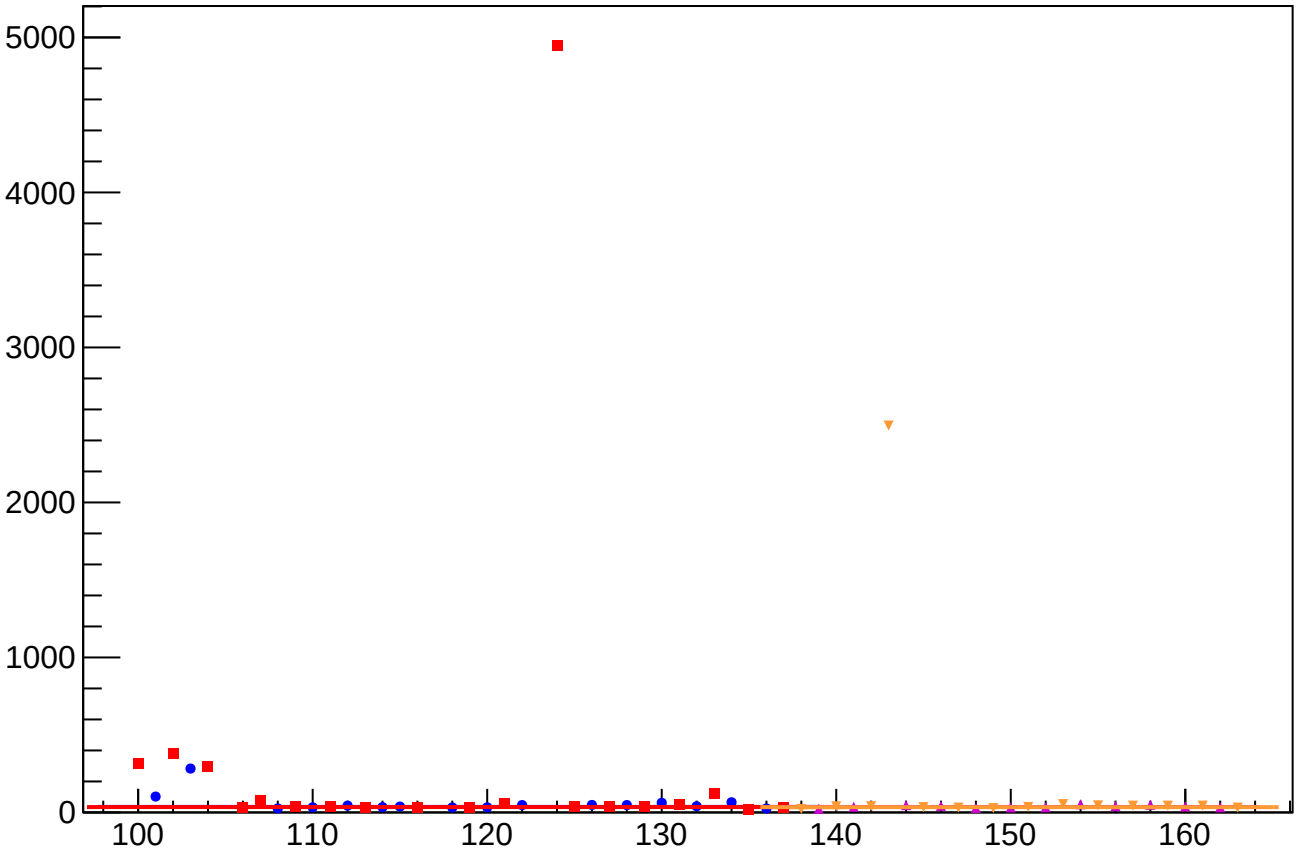
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616034.2/13

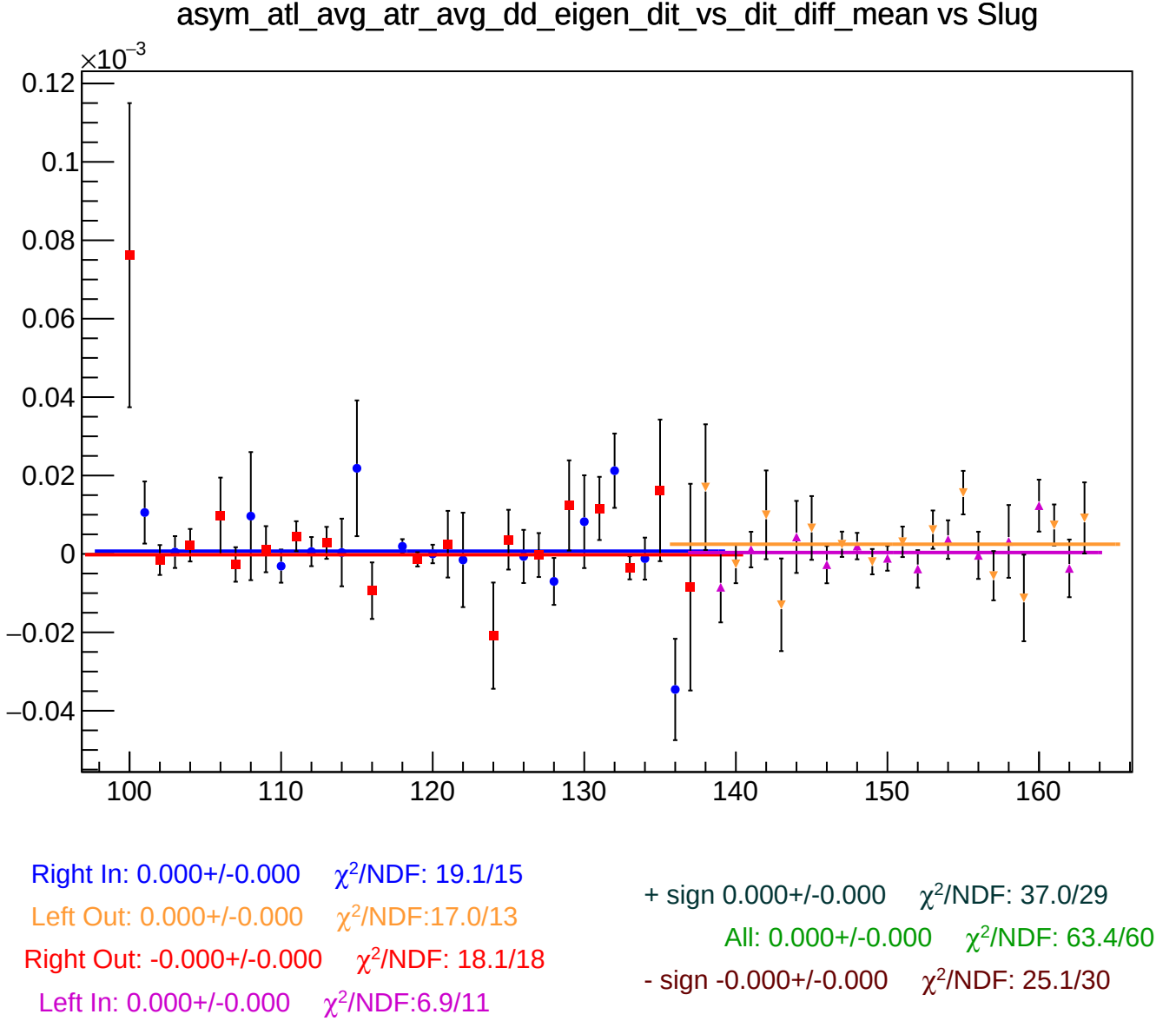
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

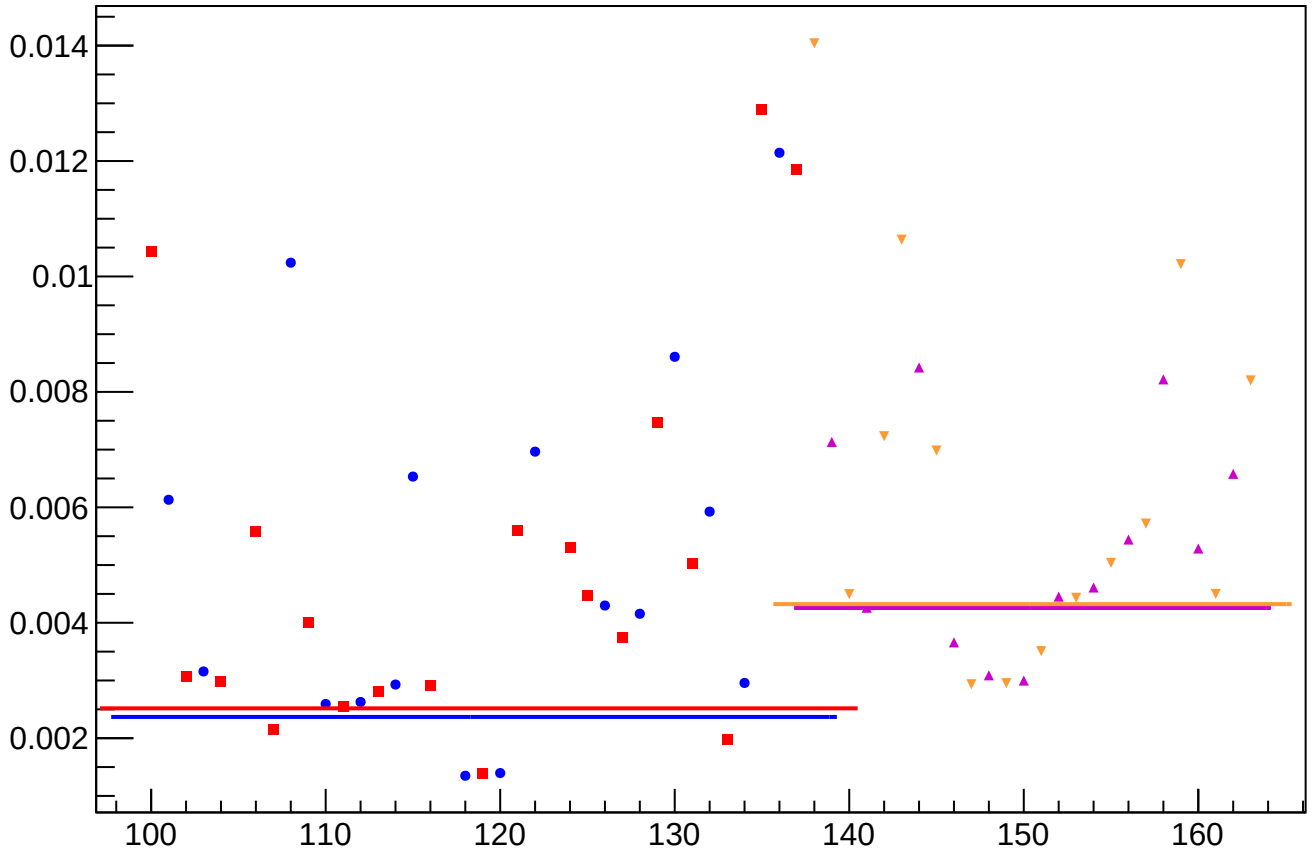
Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

- sign 35.114+/-0.007 χ^2/NDF: 3842062.1/30


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 19.1/15
Left Out: 0.000+/-0.000 χ²/NDF:17.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.1/18
Left In: 0.000+/-0.000 χ²/NDF:6.9/11
+ sign 0.000+/-0.000 χ²/NDF: 37.0/29
All: 0.000+/-0.000 χ²/NDF: 63.4/60
- sign -0.000+/-0.000 χ²/NDF: 25.1/30



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3540393.4/13

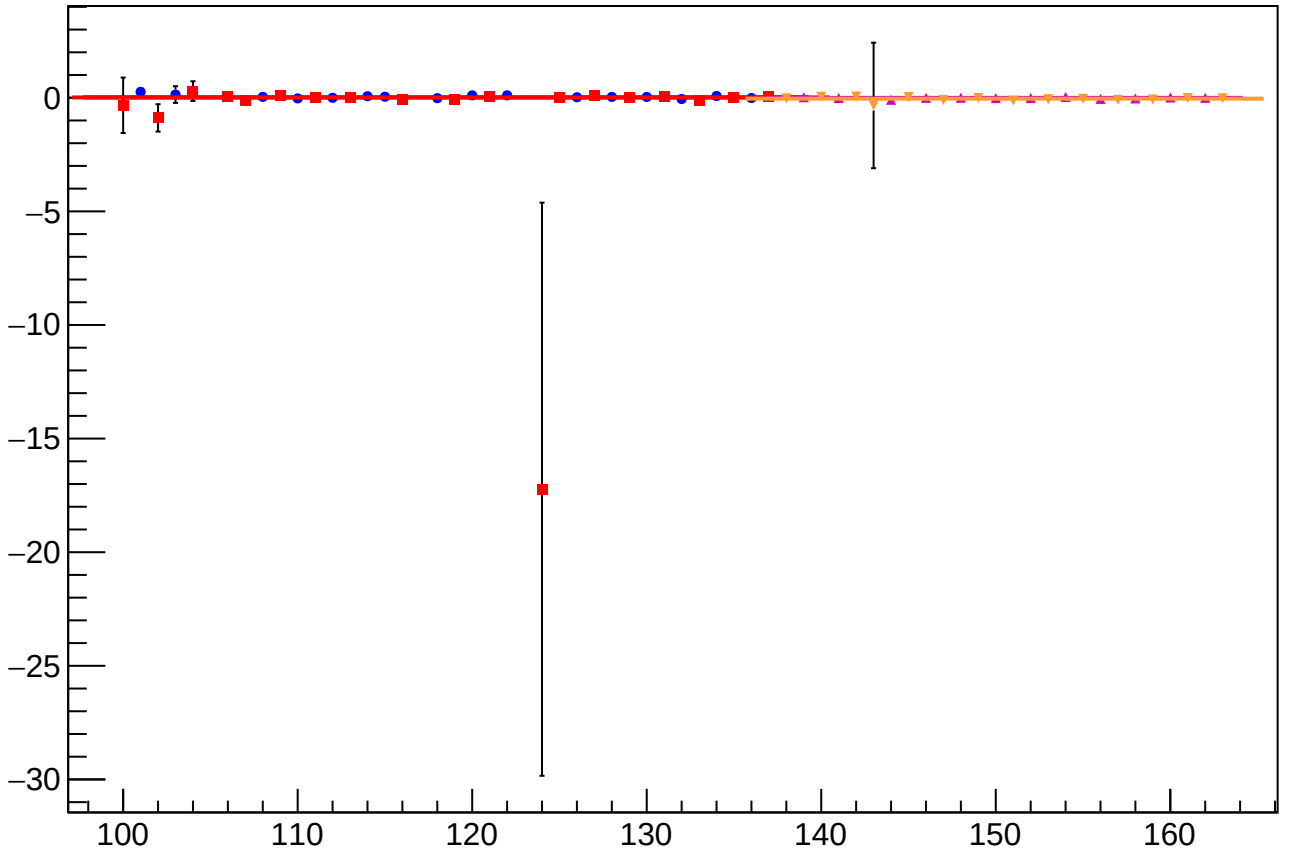
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1905649.0/11

+ sign 0.003+/-0.000 χ^2/NDF: 10601790.7/29

All: 0.003+/-0.000 χ^2/NDF: 17758395.2/60

- sign 0.003+/-0.000 χ^2/NDF: 7156059.2/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

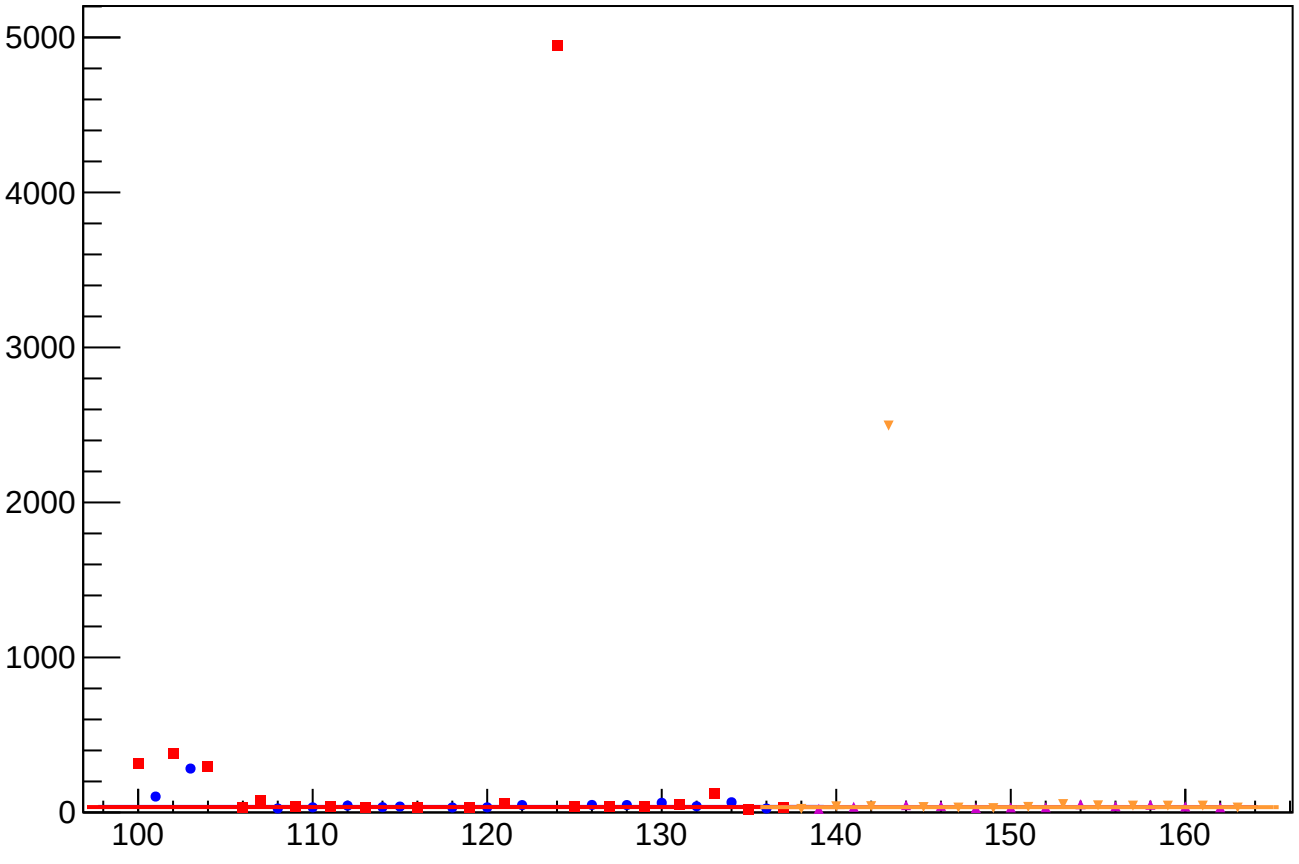
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616363.8/13

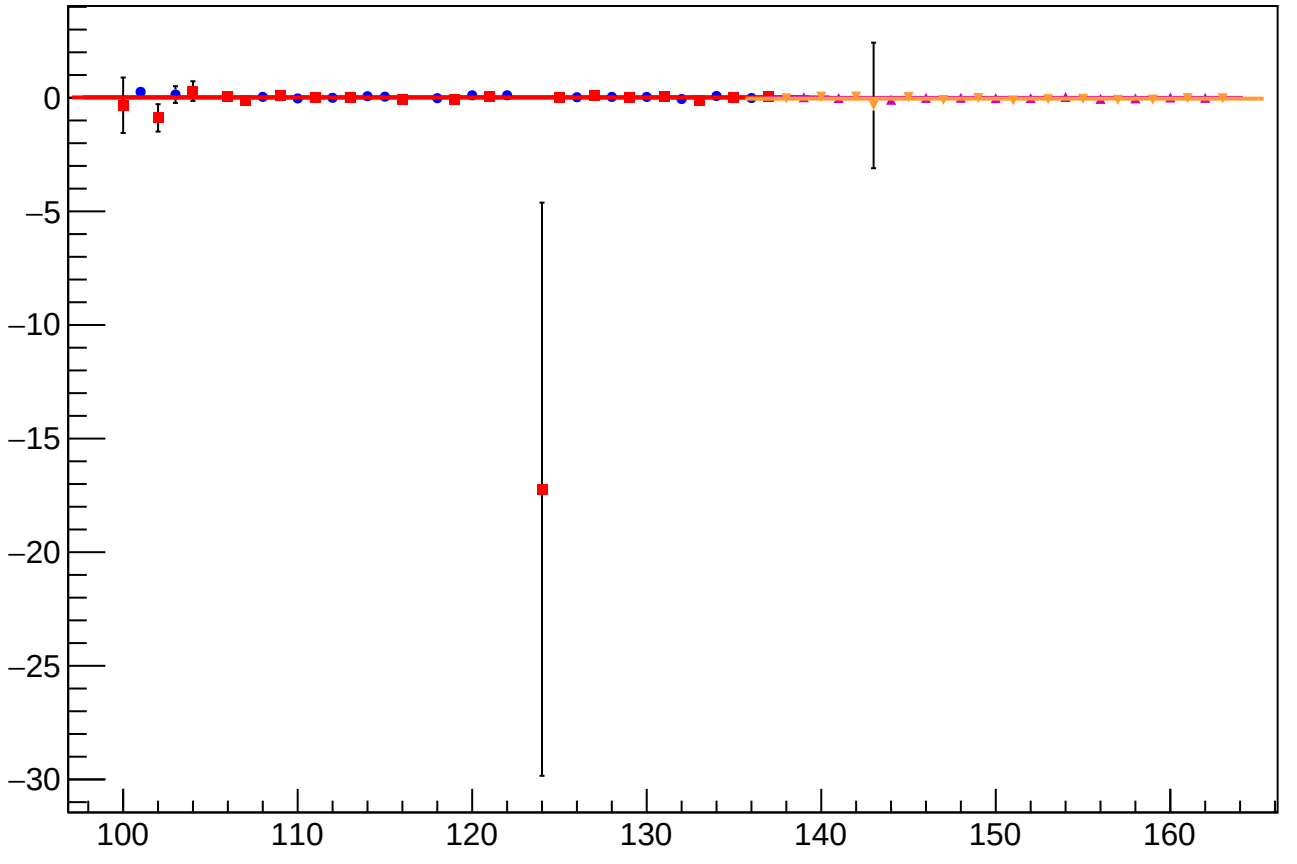
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

- sign 35.113+/-0.007 χ^2/NDF: 3842488.4/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

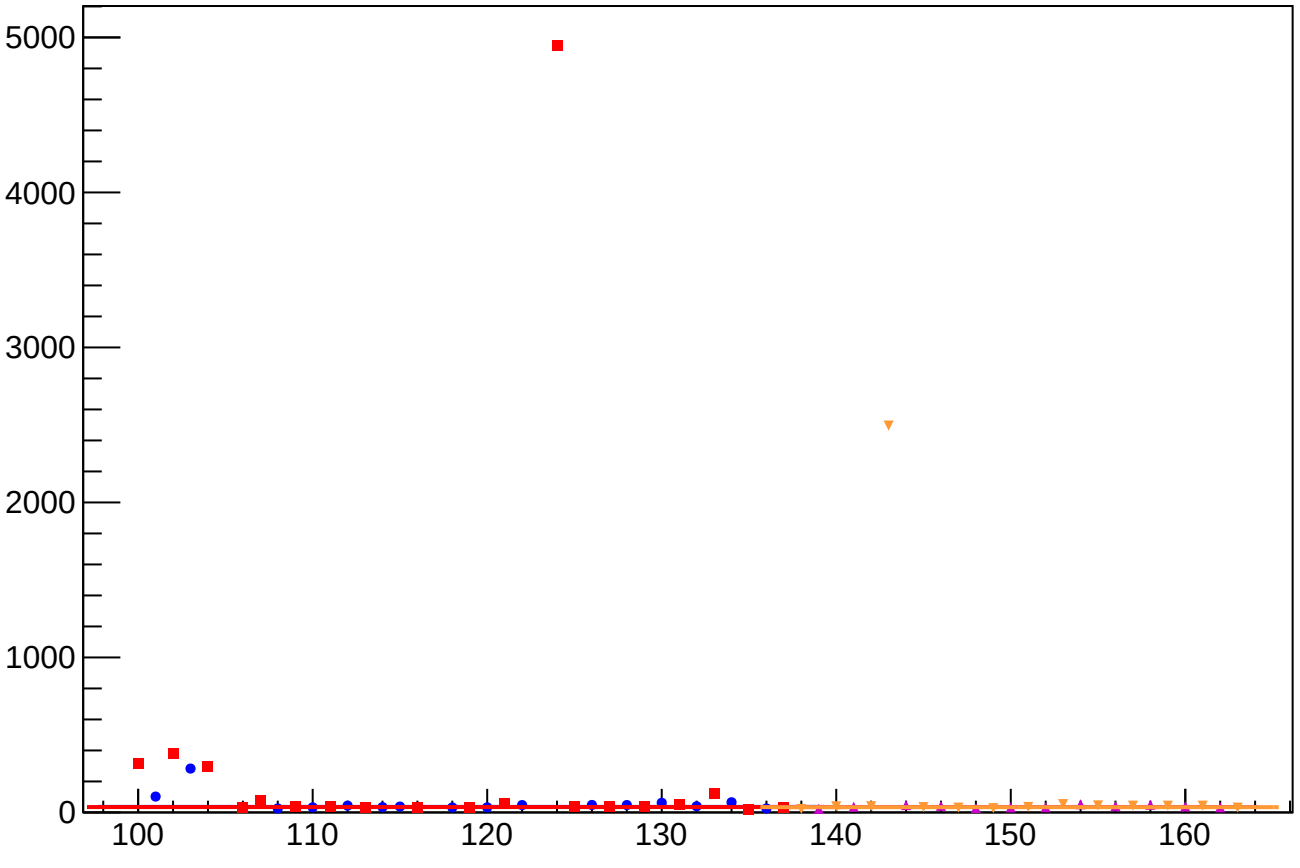
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616363.8/13

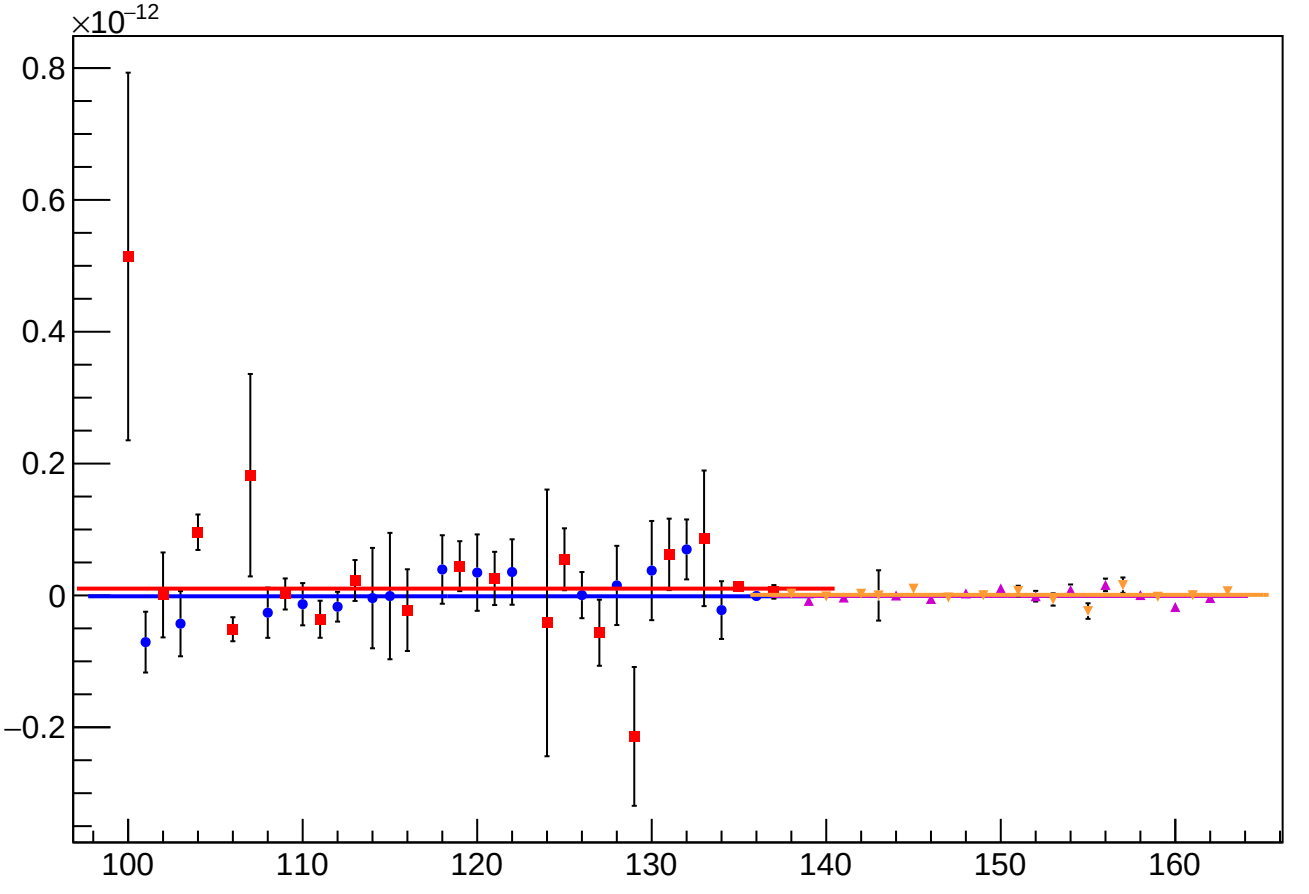
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

- sign 35.113+/-0.007 χ^2/NDF: 3842488.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

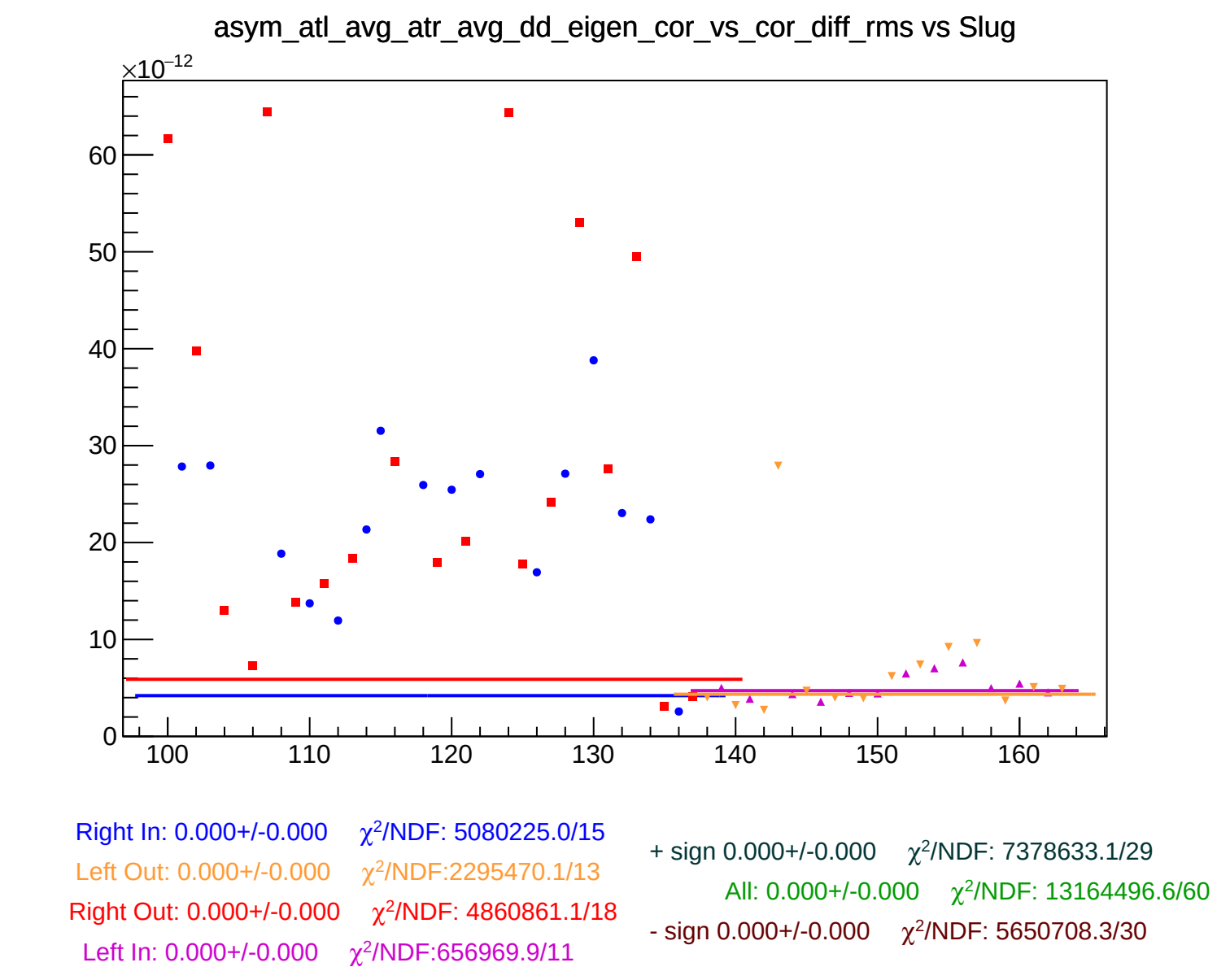
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/11

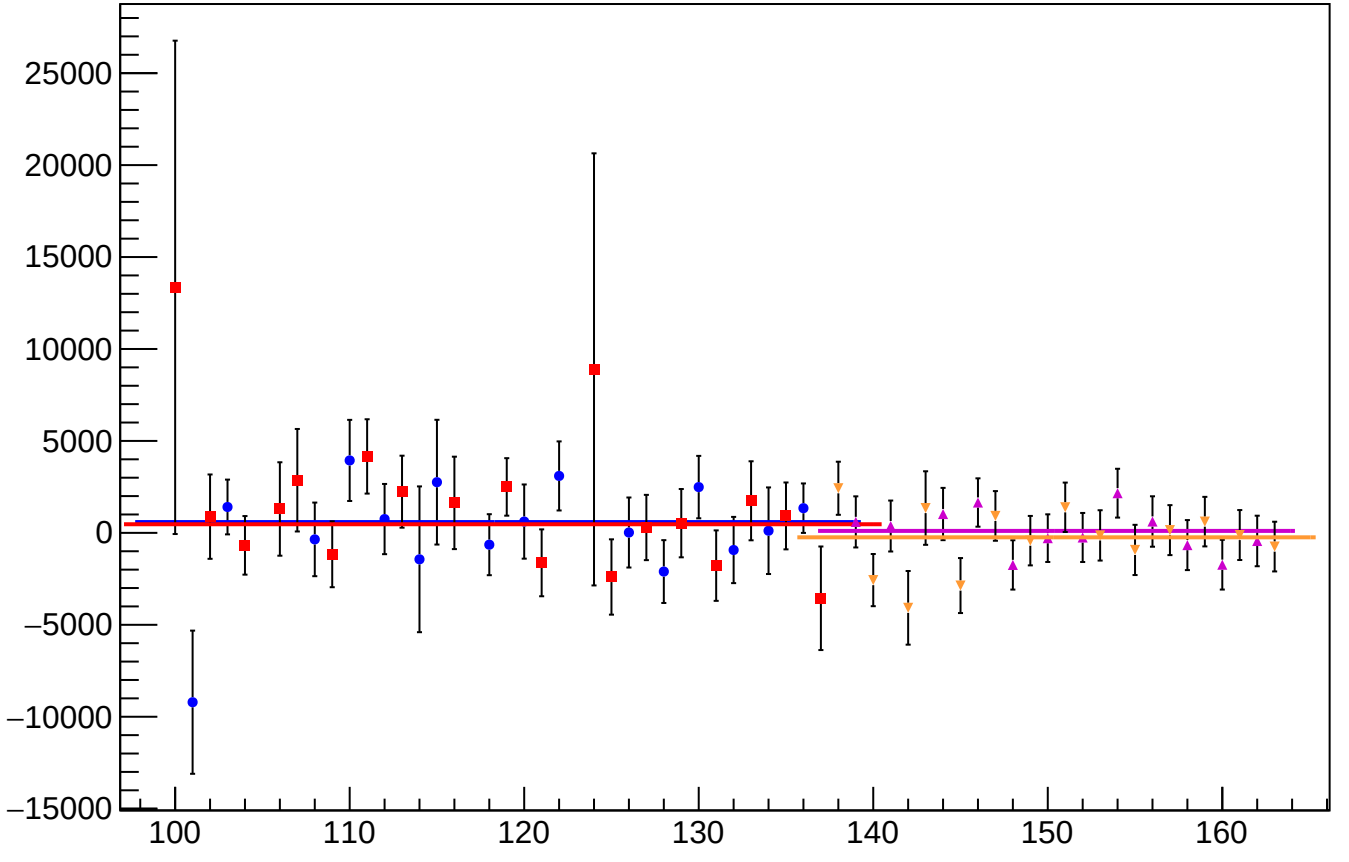
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/29

All: 0.000+/-0.000 χ^2/NDF: 83.3/60

- sign 0.000+/-0.000 χ^2/NDF: 63.0/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2295470.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:656969.9/11
+ sign 0.000+/-0.000 χ²/NDF: 7378633.1/29
All: 0.000+/-0.000 χ²/NDF: 13164496.6/60
- sign 0.000+/-0.000 χ²/NDF: 5650708.3/30

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

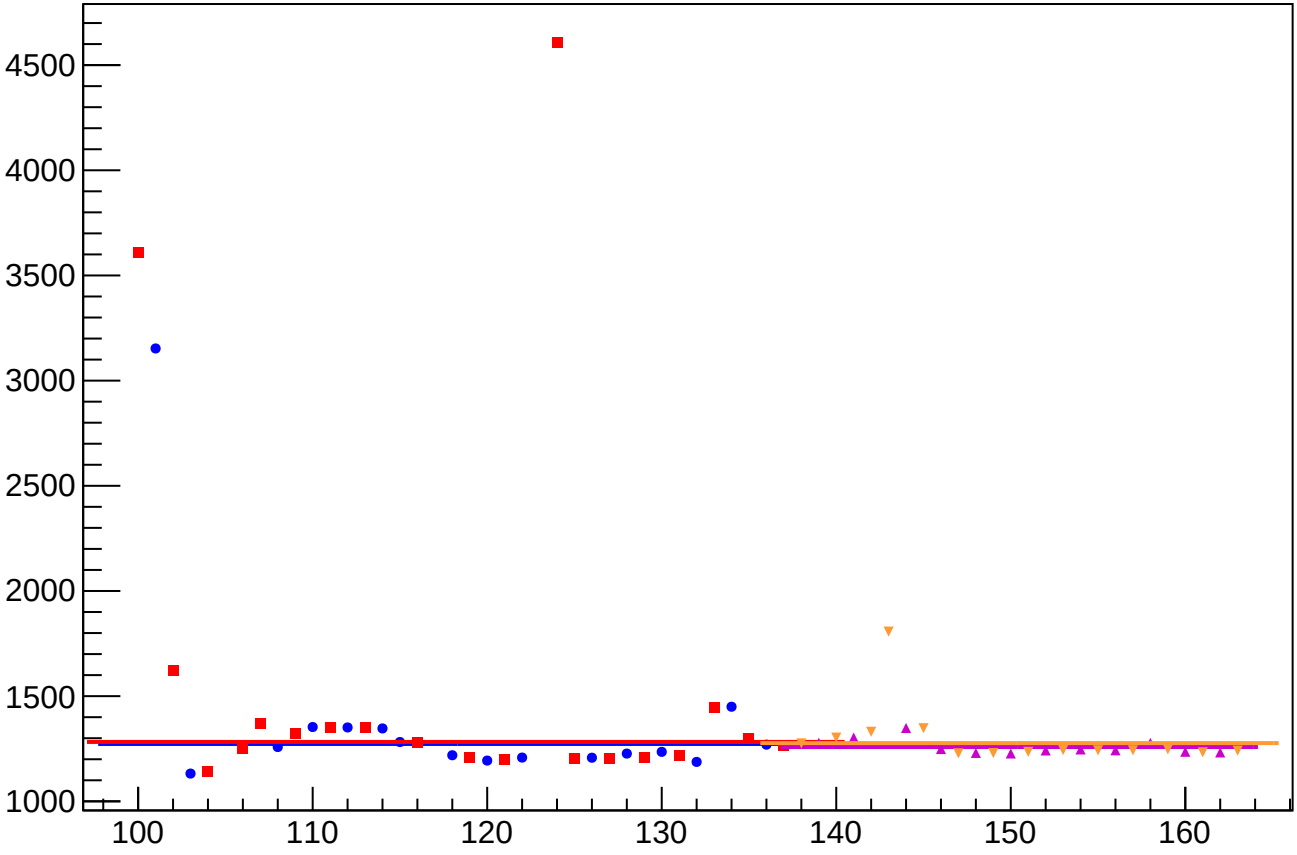
Left In: 106.887+/-390.983 χ^2/NDF:8.9/11

+ sign 77.823+/-299.782 χ^2/NDF: 35.5/29

All: 163.476+/-213.202 χ^2/NDF: 61.7/60

- sign 251.136+/-303.273 χ^2/NDF: 26.1/30

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

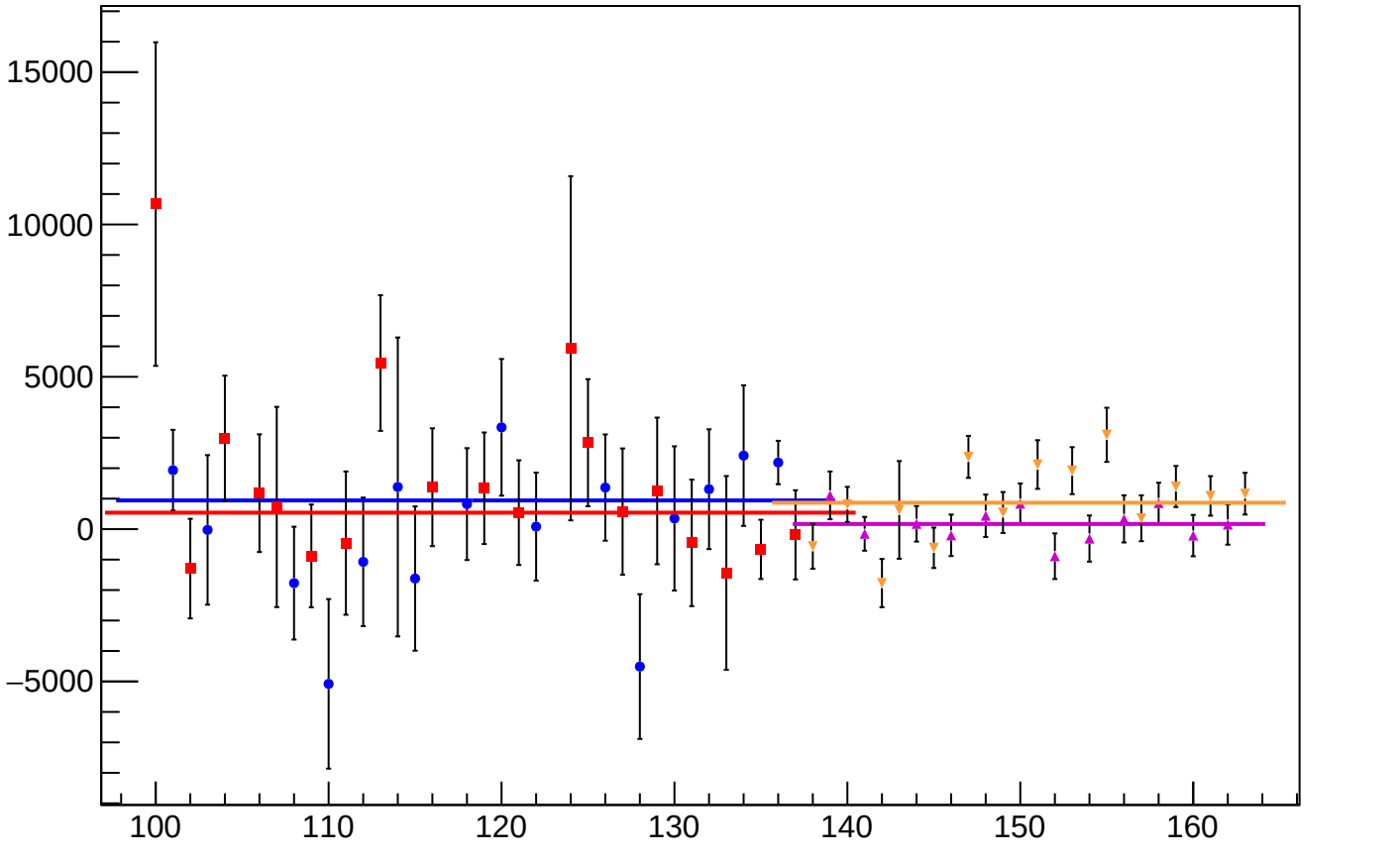
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681573.1/29

All: 1271.574+/-0.151 χ^2/NDF: 1022412.7/60

- sign 1267.836+/-0.214 χ^2/NDF: 340238.9/30



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 867.249+/-194.533 χ^2/NDF:36.9/13

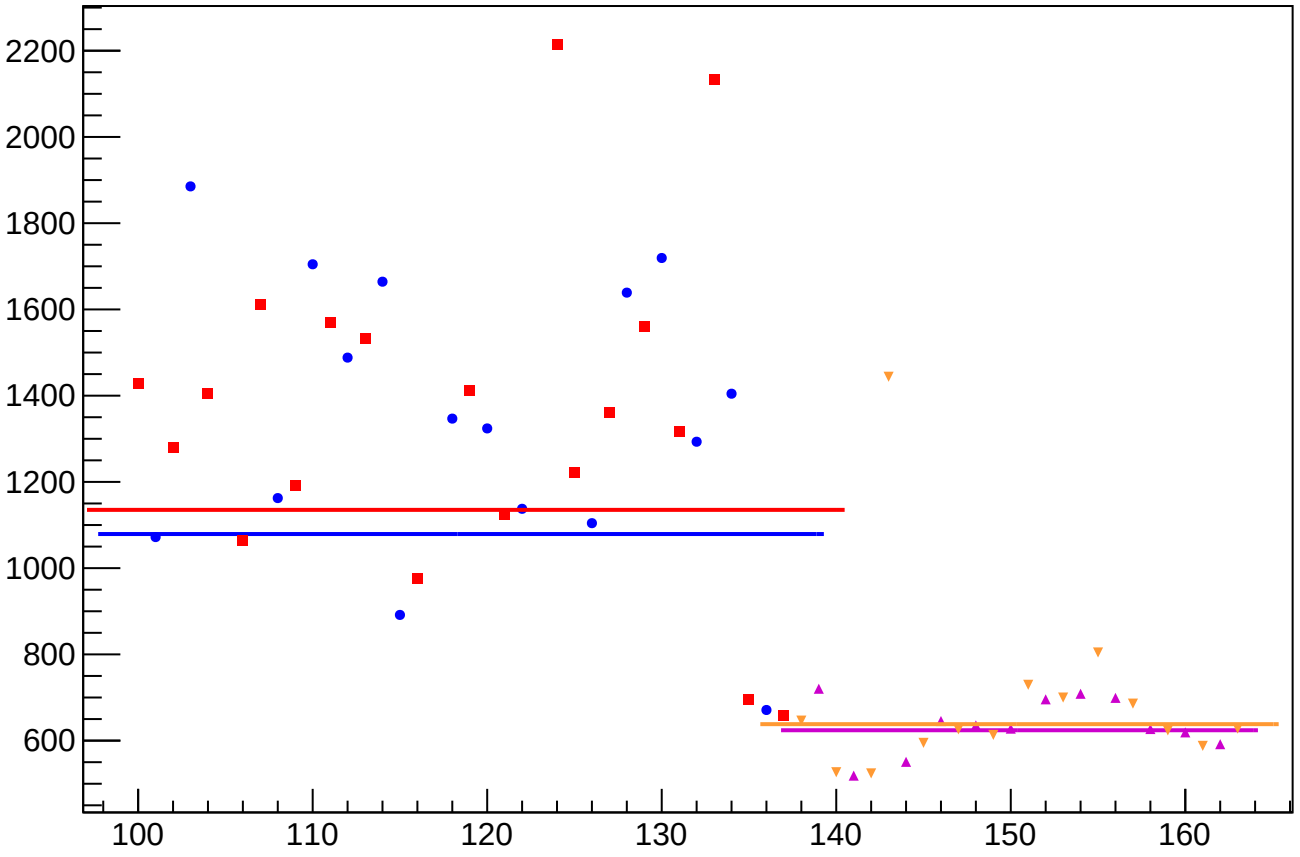
Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: 168.684+/-195.266 χ^2/NDF:7.0/11

+ sign 880.114+/-176.944 χ^2/NDF: 56.8/29

All: 557.807+/-125.656 χ^2/NDF: 88.3/60

- sign 229.905+/-178.473 χ^2/NDF: 24.8/30



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

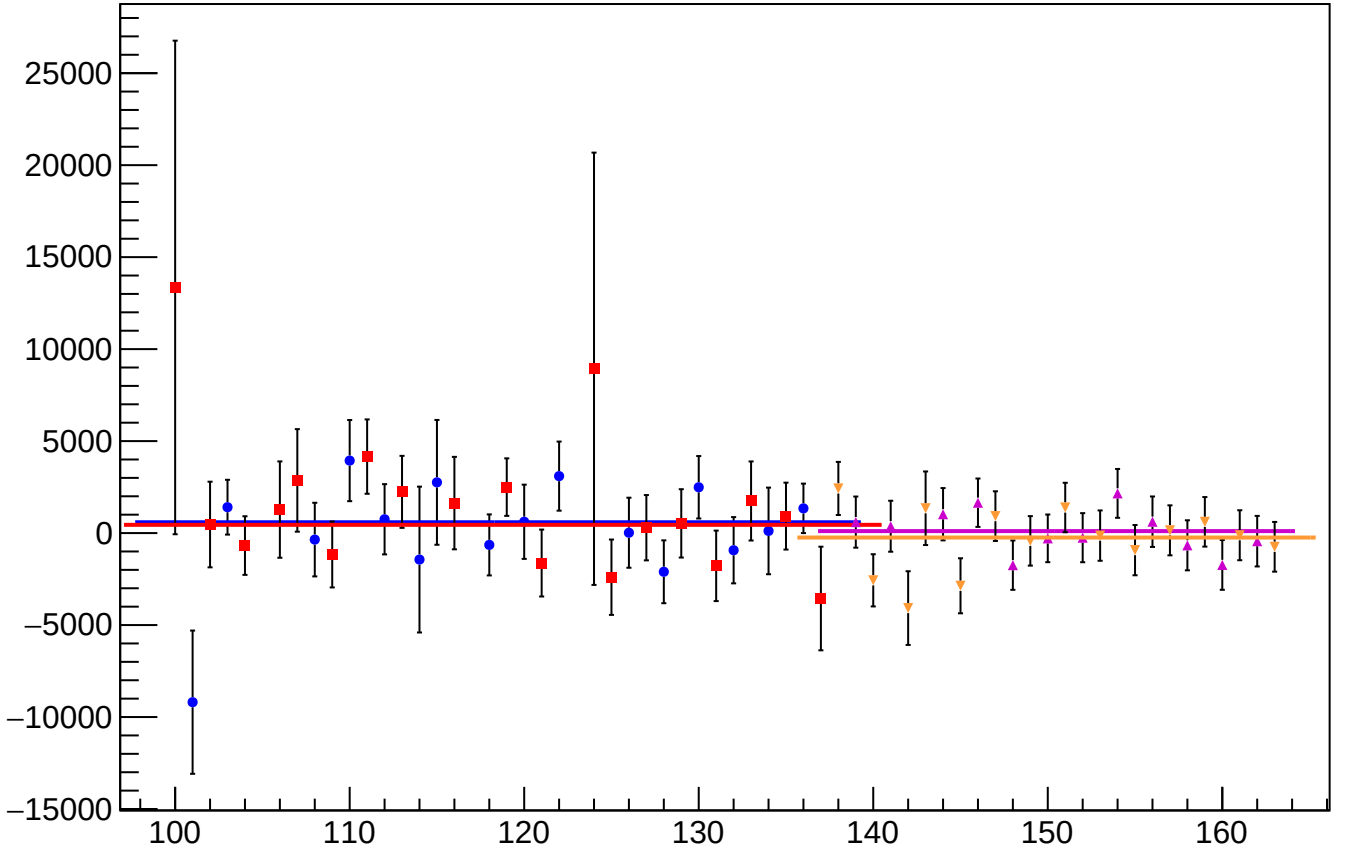
Left In: 624.063+/-0.138 χ^2/NDF:203536.3/11

+ sign 714.313+/-0.125 χ^2/NDF: 4020341.6/29

All: 711.278+/-0.089 χ^2/NDF: 7773500.6/60

- sign 708.190+/-0.126 χ^2/NDF: 3751971.8/30

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

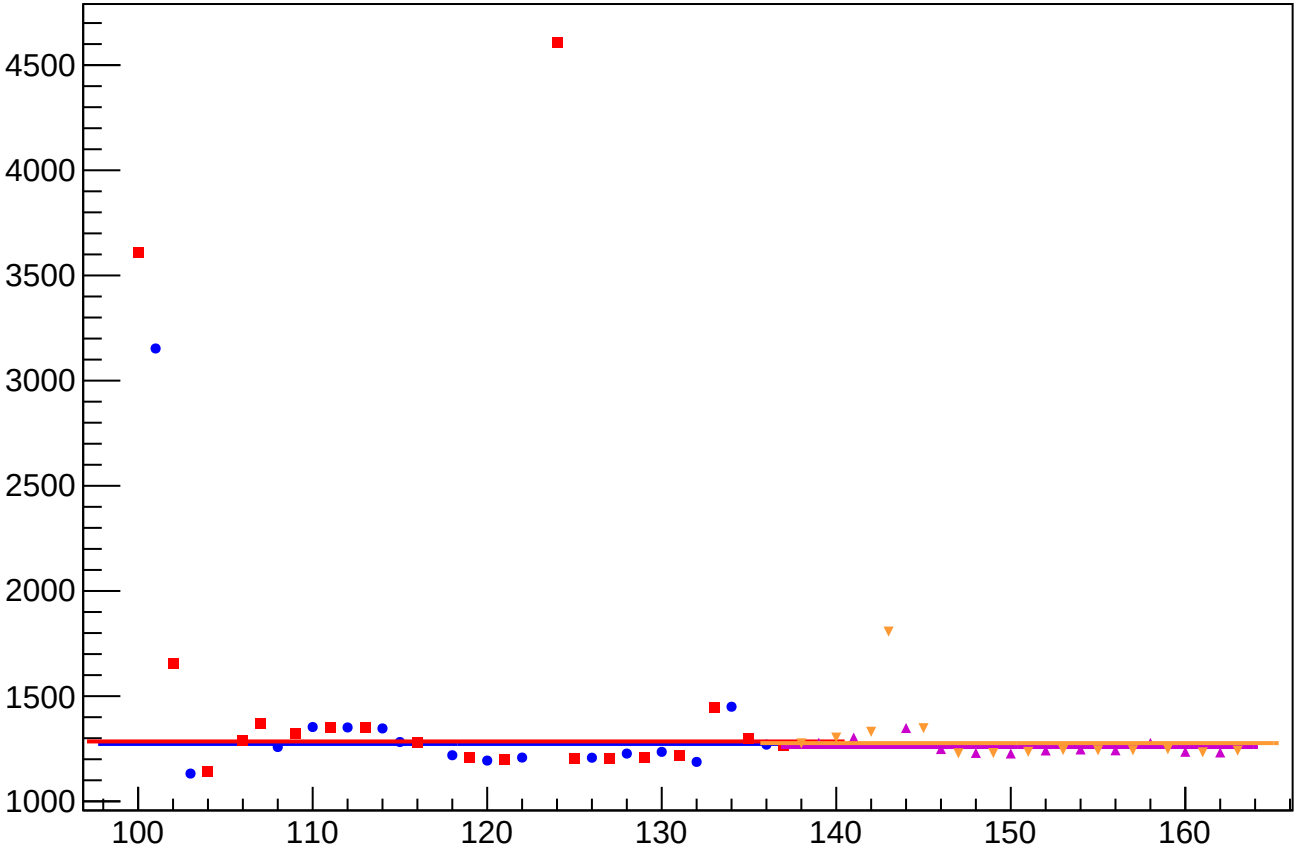
Left In: 106.898+/-390.983 χ^2/NDF:8.9/11

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 159.256+/-213.273 χ^2/NDF: 61.6/60

- sign 242.658+/-303.478 χ^2/NDF: 26.0/30

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

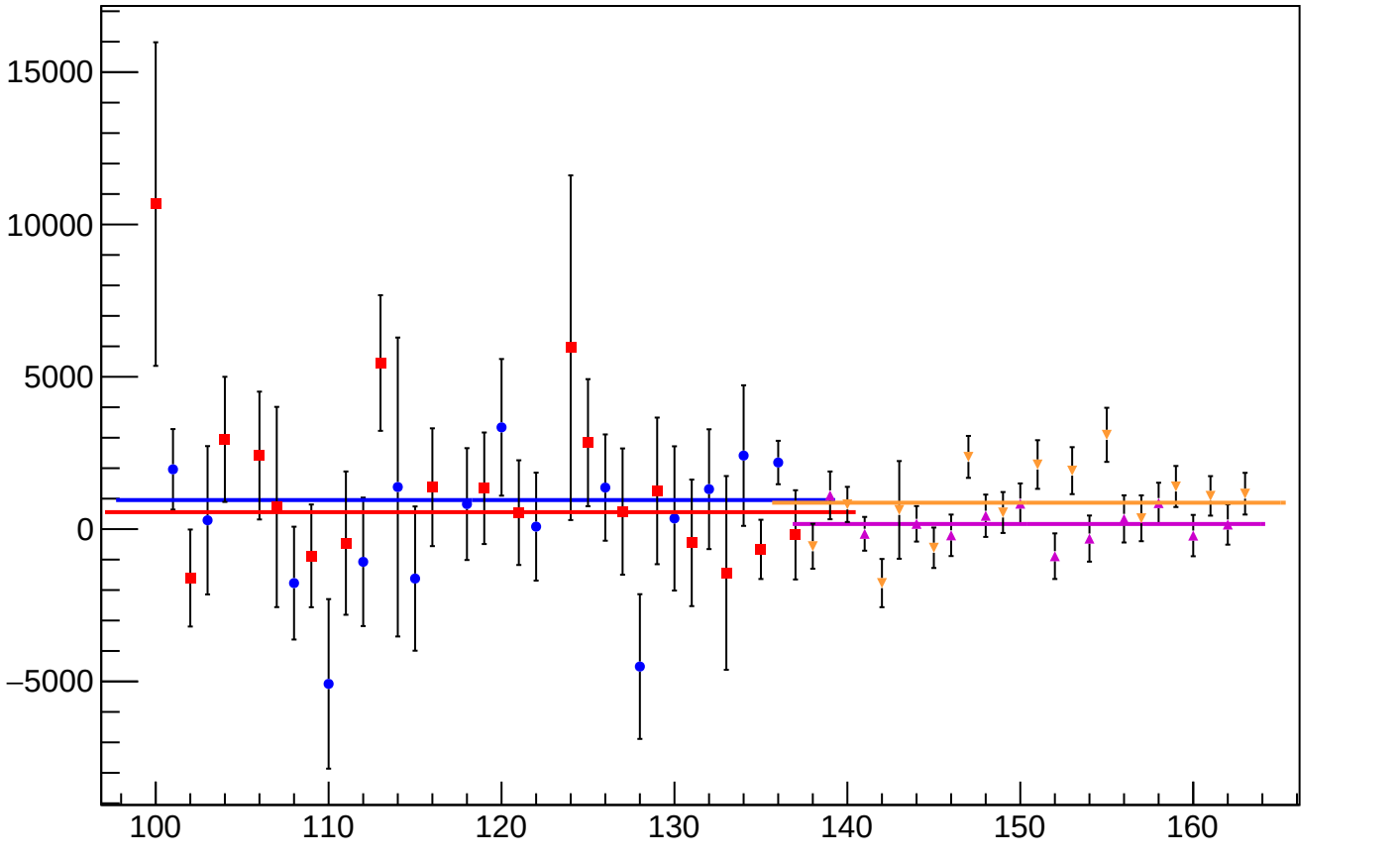
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60

- sign 1268.726+/-0.215 χ^2/NDF: 347491.3/30



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

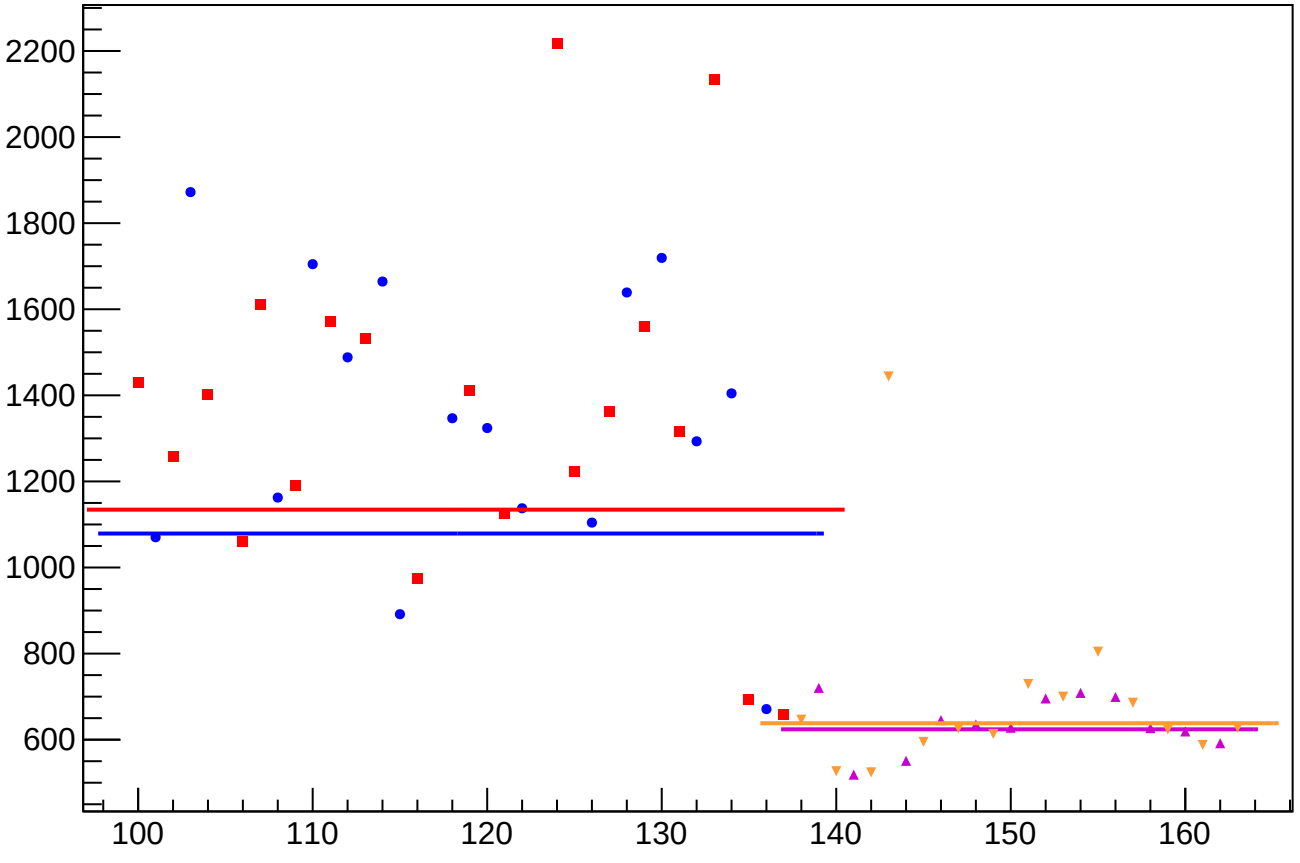
Left In: 168.722+/-195.265 χ^2/NDF:7.0/11

\+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 560.315+/-125.671 χ^2/NDF: 89.5/60

\- sign 232.579+/-178.530 χ^2/NDF: 26.1/30

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

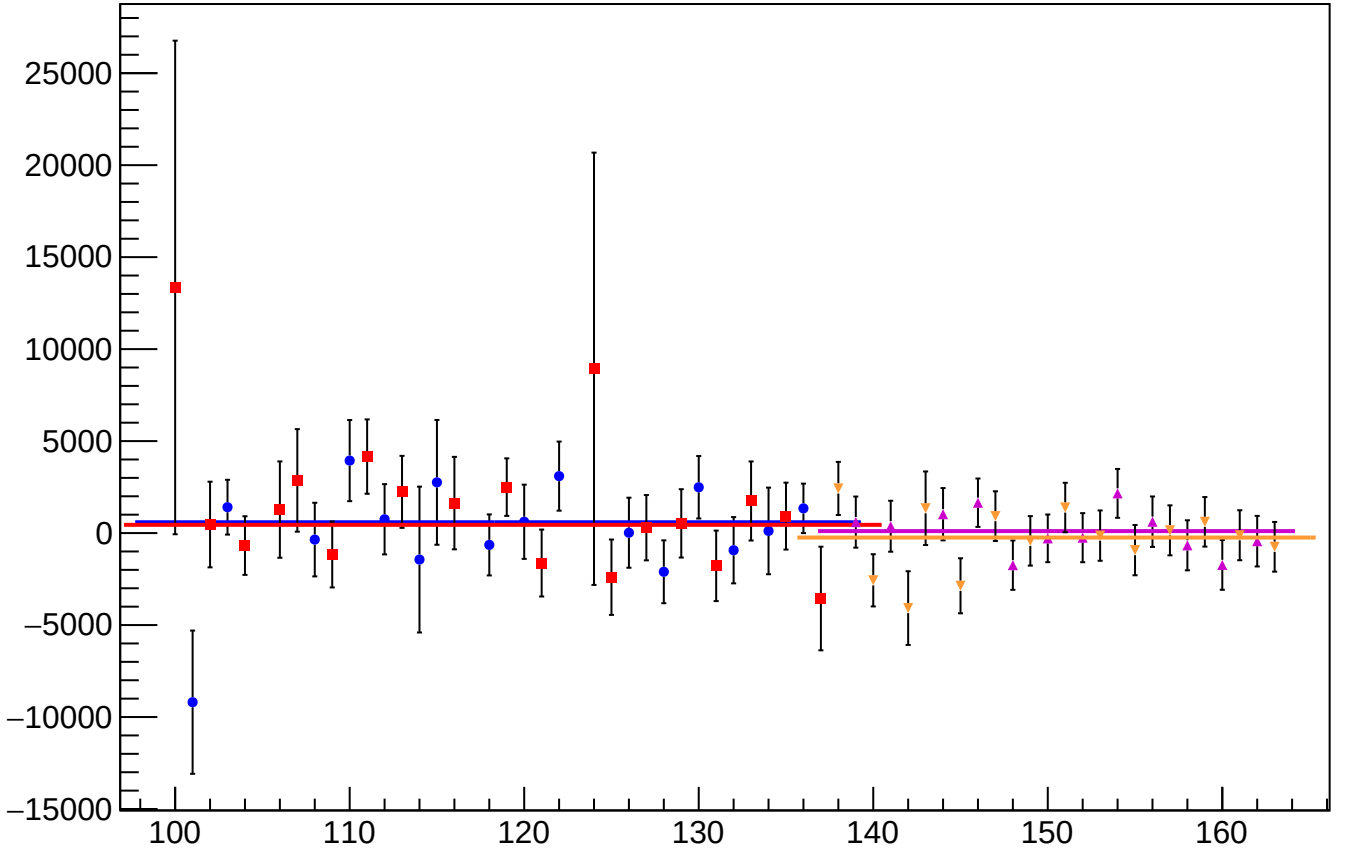
Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

\+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60

\- sign 707.795+/-0.126 χ^2/NDF: 3734107.7/30

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: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

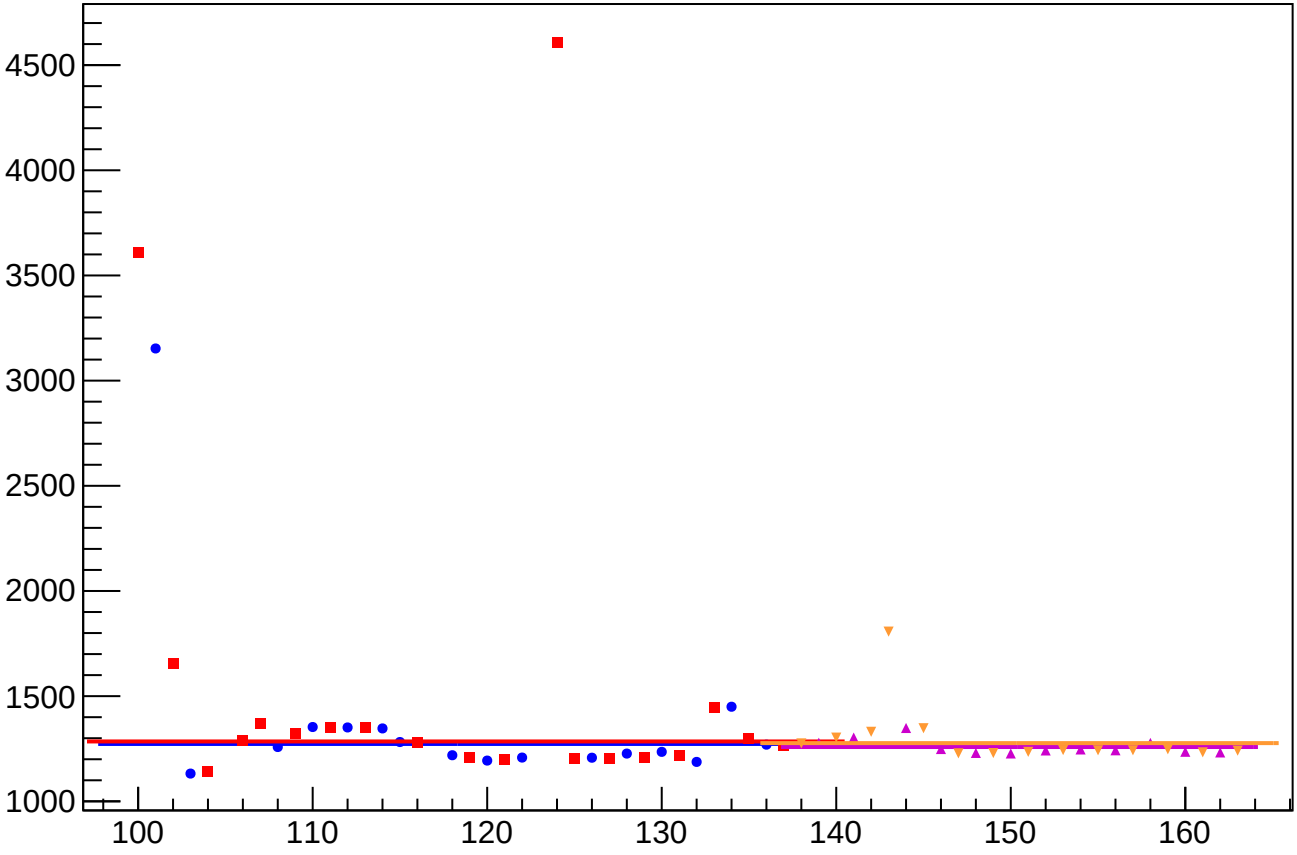
Left In: 106.898+/-390.983 χ^2/NDF:8.9/11

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 159.256+/-213.273 χ^2/NDF: 61.6/60

- sign 242.658+/-303.478 χ^2/NDF: 26.0/30

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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

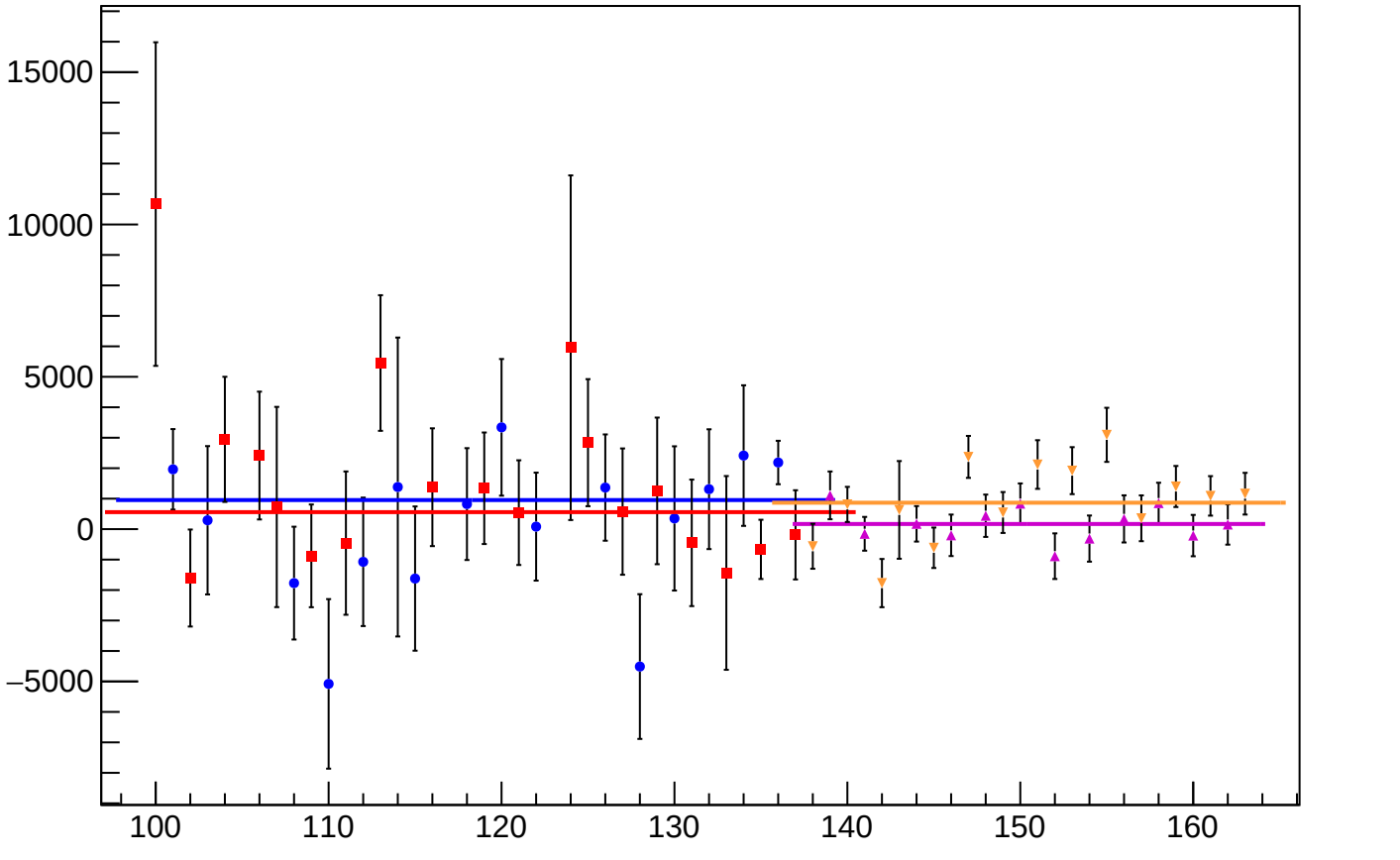
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60

- sign 1268.726+/-0.215 χ^2/NDF: 347491.3/30



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

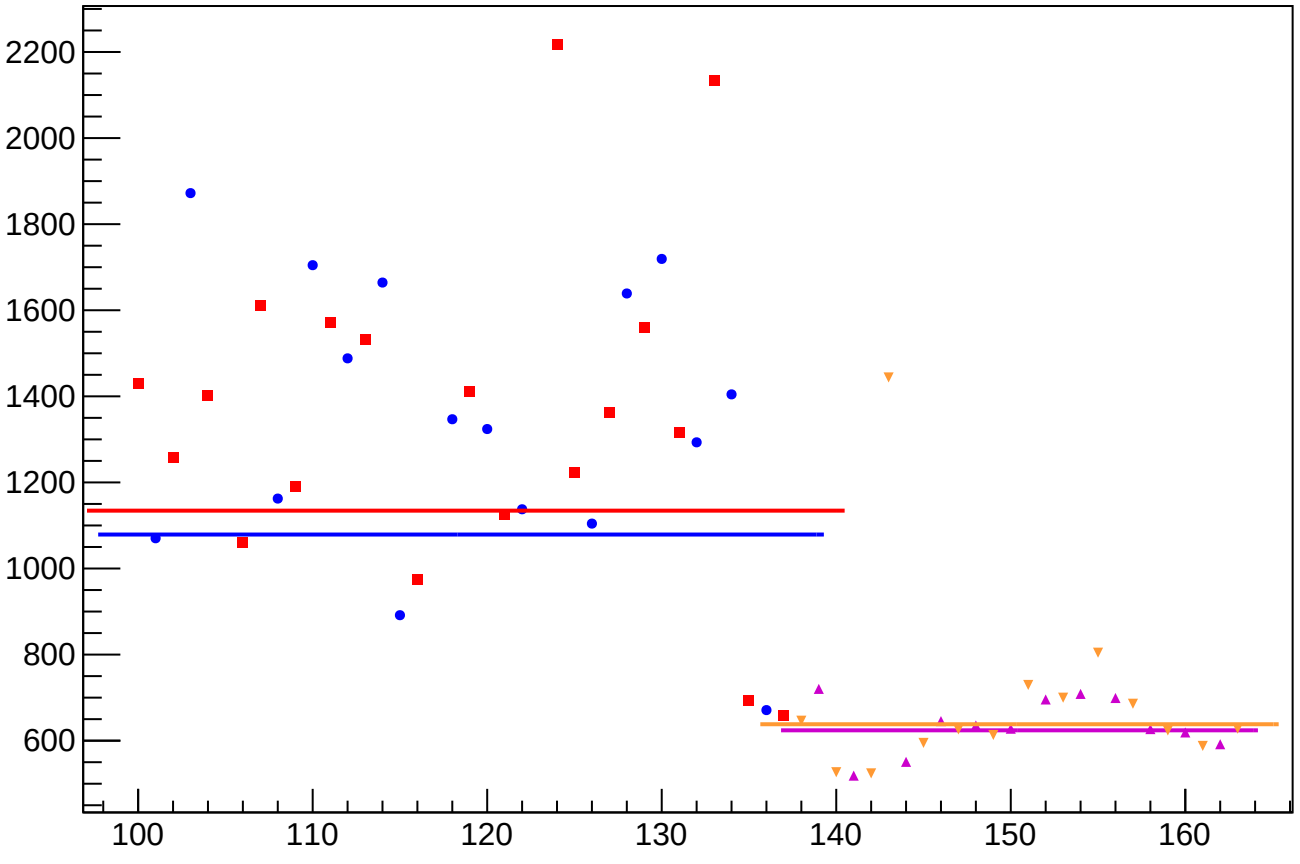
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 168.722+/-195.265 χ^2/NDF:7.0/11

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 560.315+/-125.671 χ^2/NDF: 89.5/60

- sign 232.579+/-178.530 χ^2/NDF: 26.1/30



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

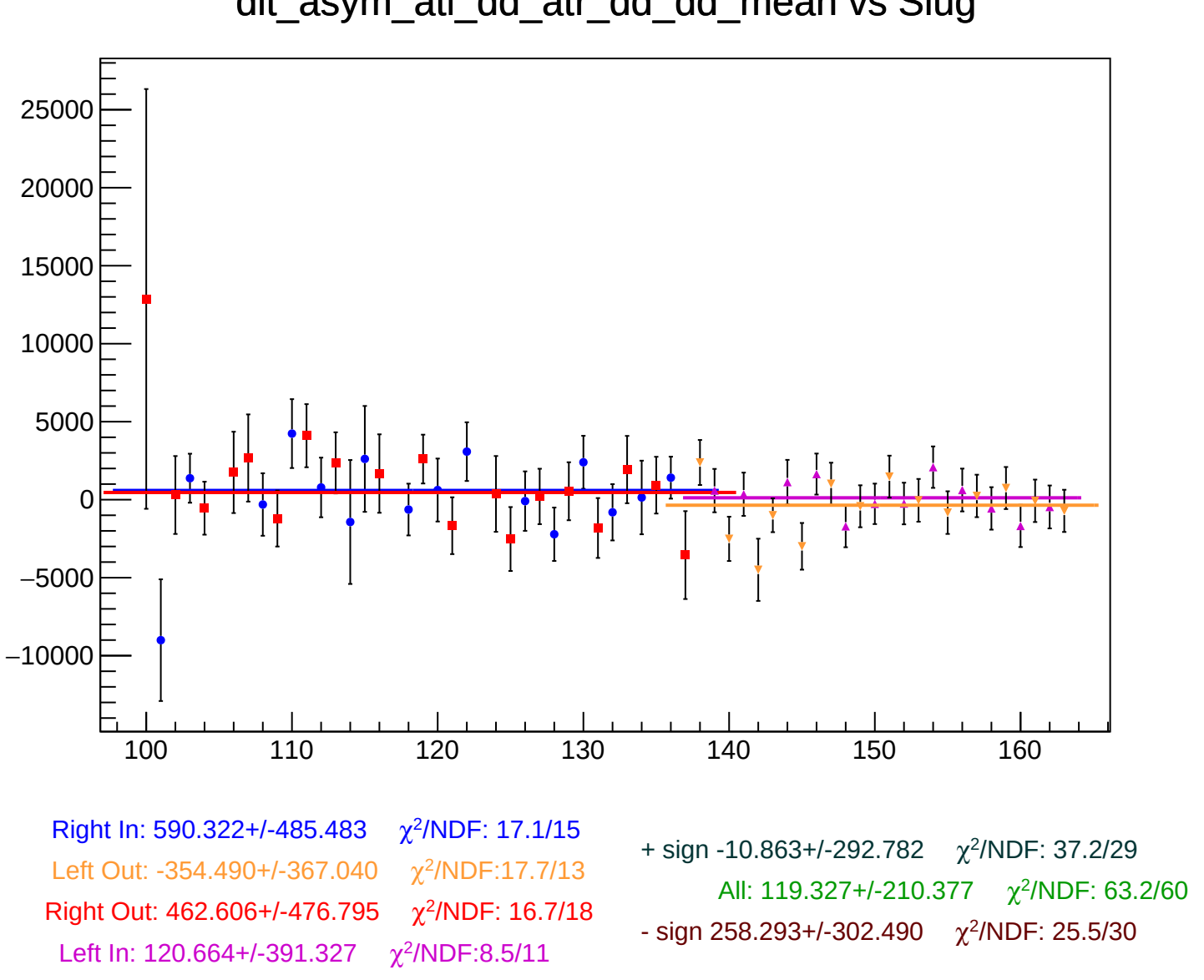
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

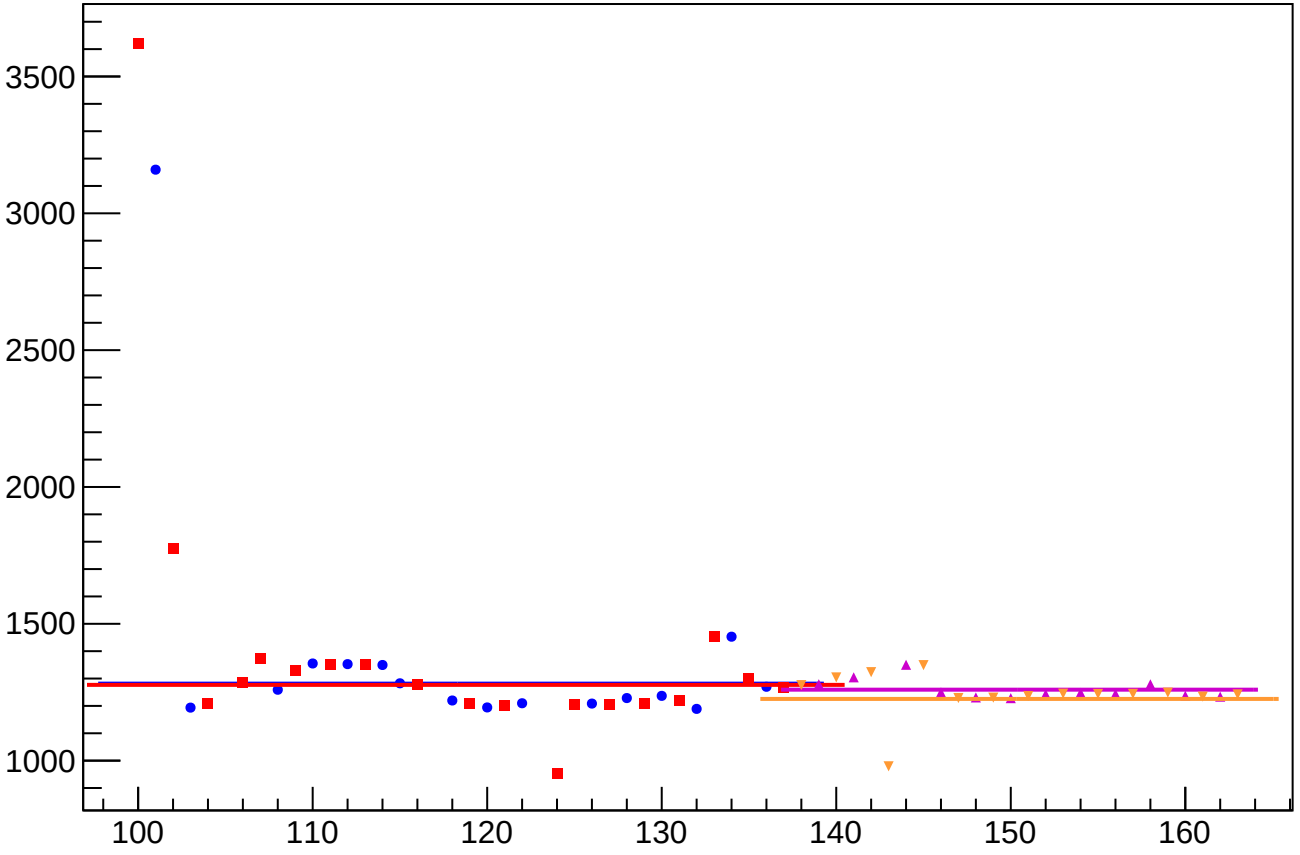
\+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60

\- sign 707.795+/-0.126 χ^2/NDF: 3734107.7/30


dit_asym_atl_dd_atr_dd_dd_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -354.490+/-367.040 χ²/NDF:17.7/13
Right Out: 462.606+/-476.795 χ²/NDF: 16.7/18
Left In: 120.664+/-391.327 χ²/NDF:8.5/11
+ sign -10.863+/-292.782 χ²/NDF: 37.2/29
All: 119.327+/-210.377 χ²/NDF: 63.2/60
- sign 258.293+/-302.490 χ²/NDF: 25.5/30

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

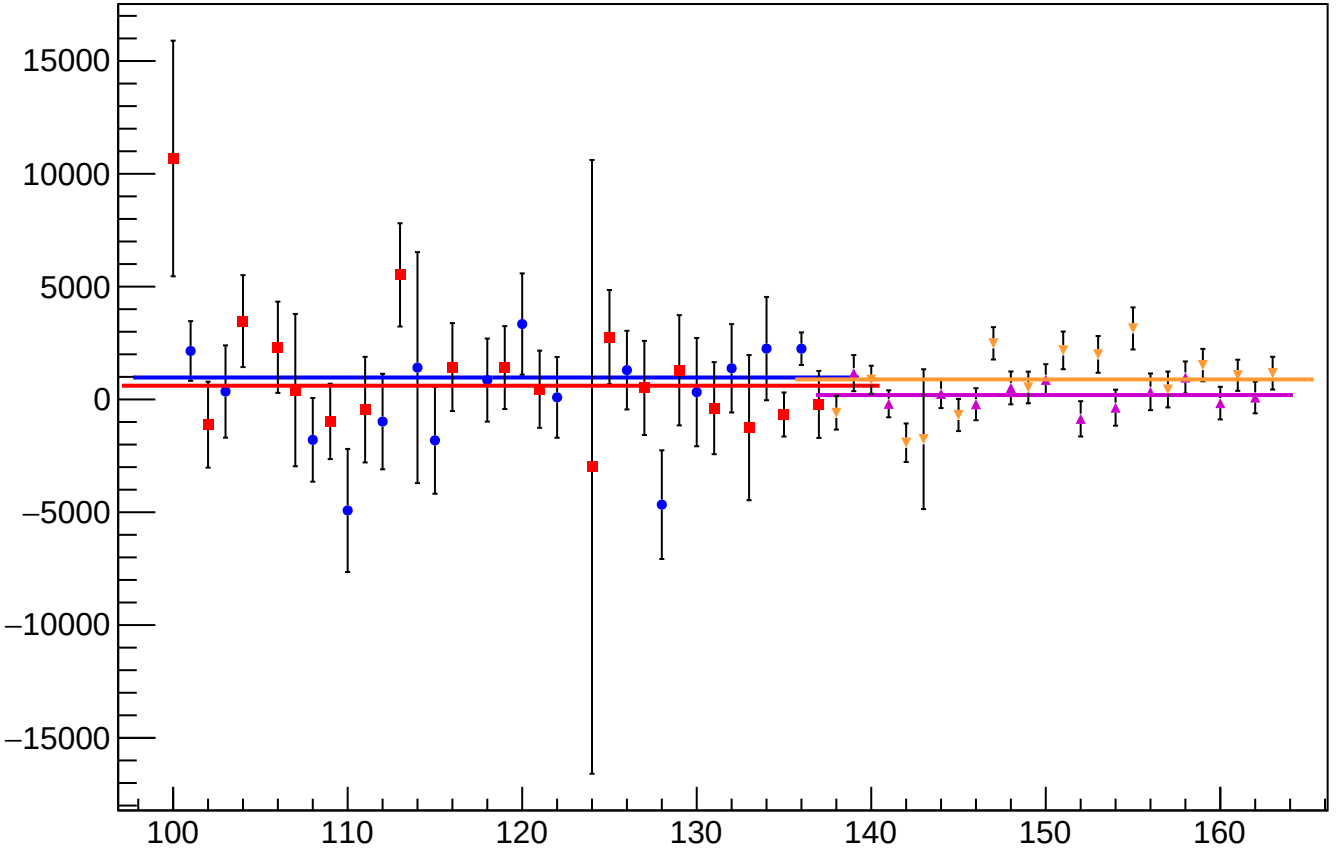
Left In: 1259.319+/-0.277 χ^2/NDF:15207.8/11

+ sign 1245.837+/-0.207 χ^2/NDF: 656376.5/29

All: 1255.773+/-0.149 χ^2/NDF: 898477.4/60

- sign 1266.379+/-0.214 χ^2/NDF: 237338.9/30

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

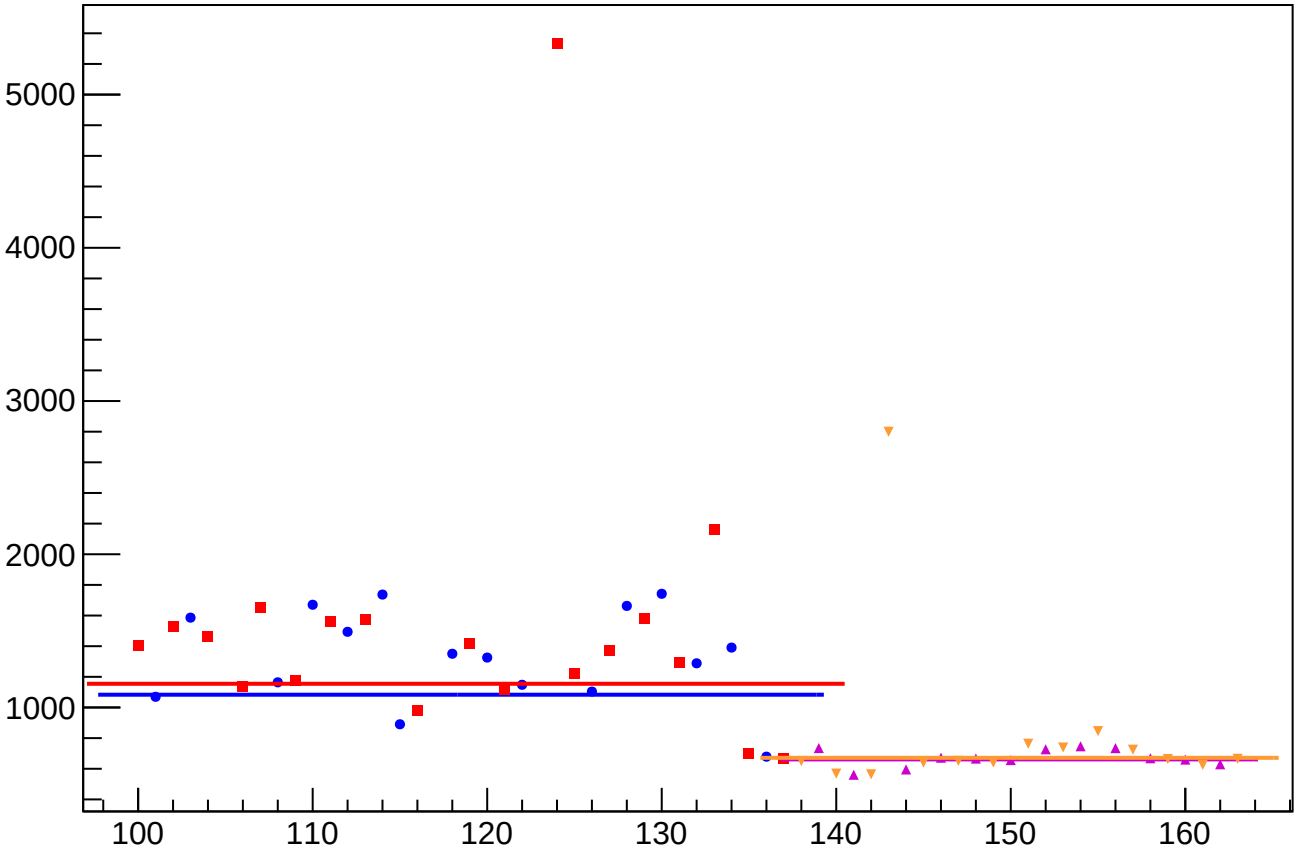
Left In: 194.513+/-206.522 χ^2/NDF:7.2/11

\+ sign 903.652+/-185.757 χ^2/NDF: 57.5/29

All: 588.419+/-131.974 χ^2/NDF: 88.3/60

\- sign 267.129+/-187.534 χ^2/NDF: 25.0/30

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: 671.408+/-0.146 χ^2/NDF:1166584.2/13

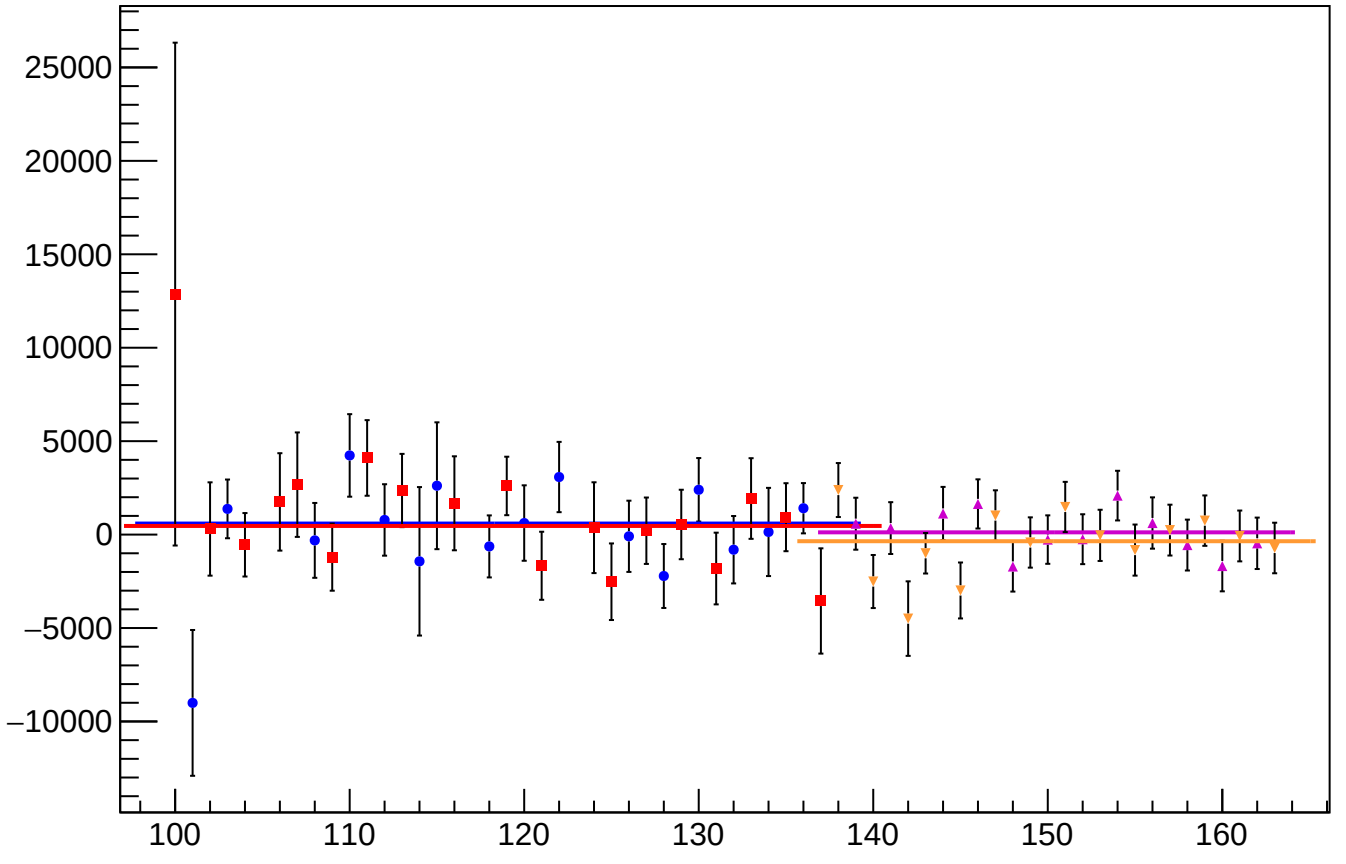
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.023+/-0.146 χ^2/NDF:153484.8/11

+ sign 750.020+/-0.131 χ^2/NDF: 4045463.3/29

All: 748.839+/-0.093 χ^2/NDF: 7692546.5/60

- sign 747.636+/-0.133 χ^2/NDF: 3646920.1/30



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

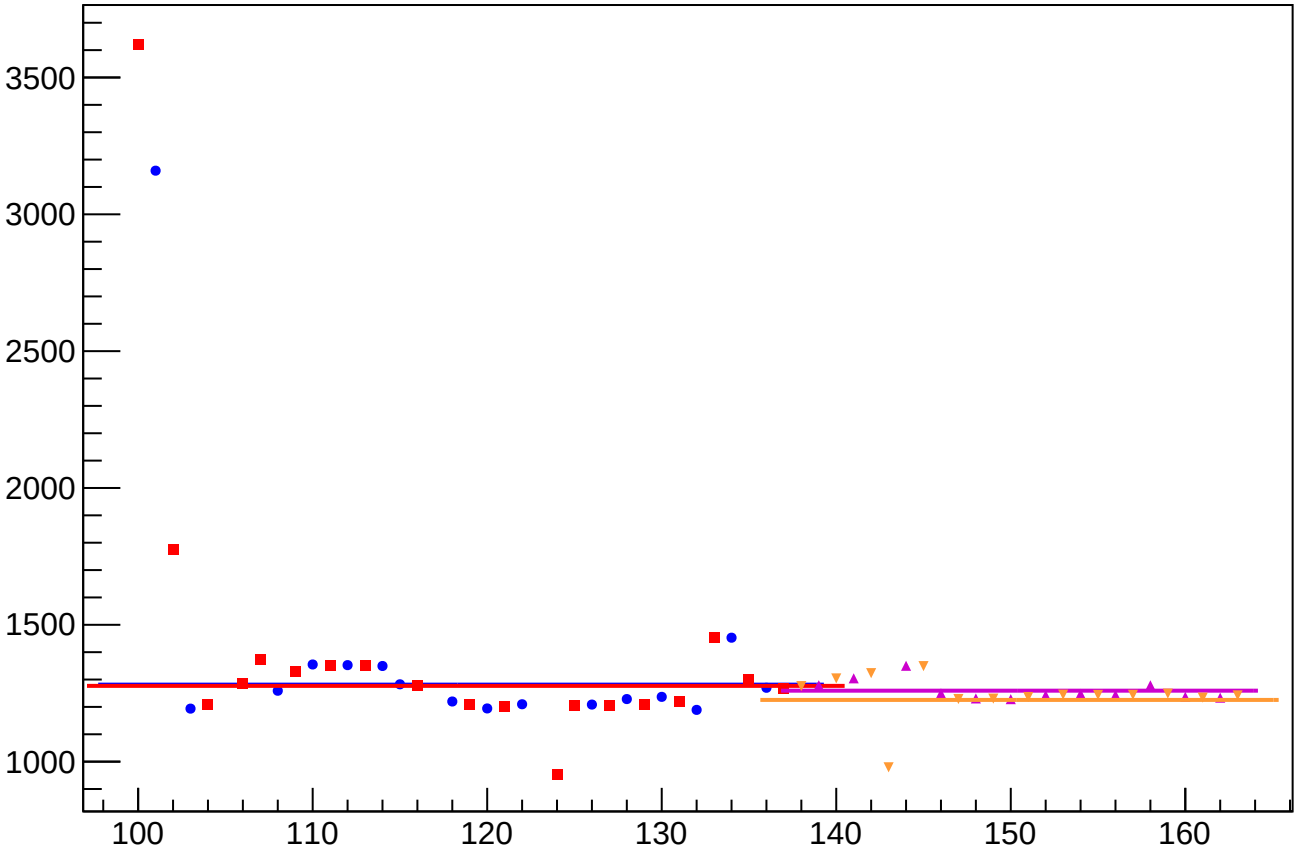
Left In: 120.664+/-391.327 χ^2/NDF:8.5/11

+ sign -10.864+/-292.782 χ^2/NDF: 37.2/29

All: 119.326+/-210.377 χ^2/NDF: 63.2/60

- sign 258.293+/-302.490 χ^2/NDF: 25.5/30

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: 1225.528+/-0.260 χ^2/NDF:132461.0/13

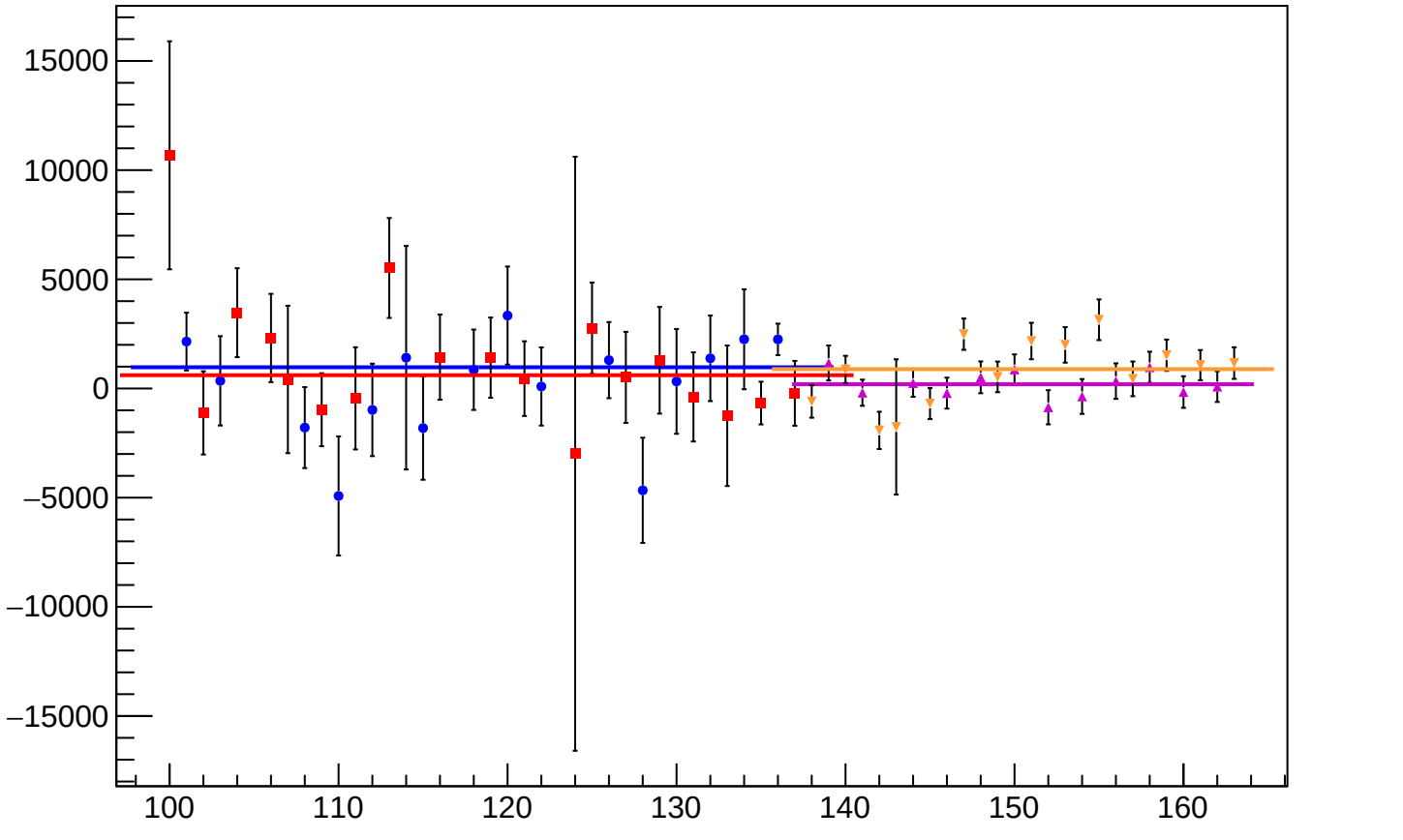
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.9/11

+ sign 1245.837+/-0.207 χ^2/NDF: 656375.8/29

All: 1255.773+/-0.149 χ^2/NDF: 898476.5/60

- sign 1266.379+/-0.214 χ^2/NDF: 237338.8/30



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 887.466+/-206.504 χ^2/NDF:37.1/13

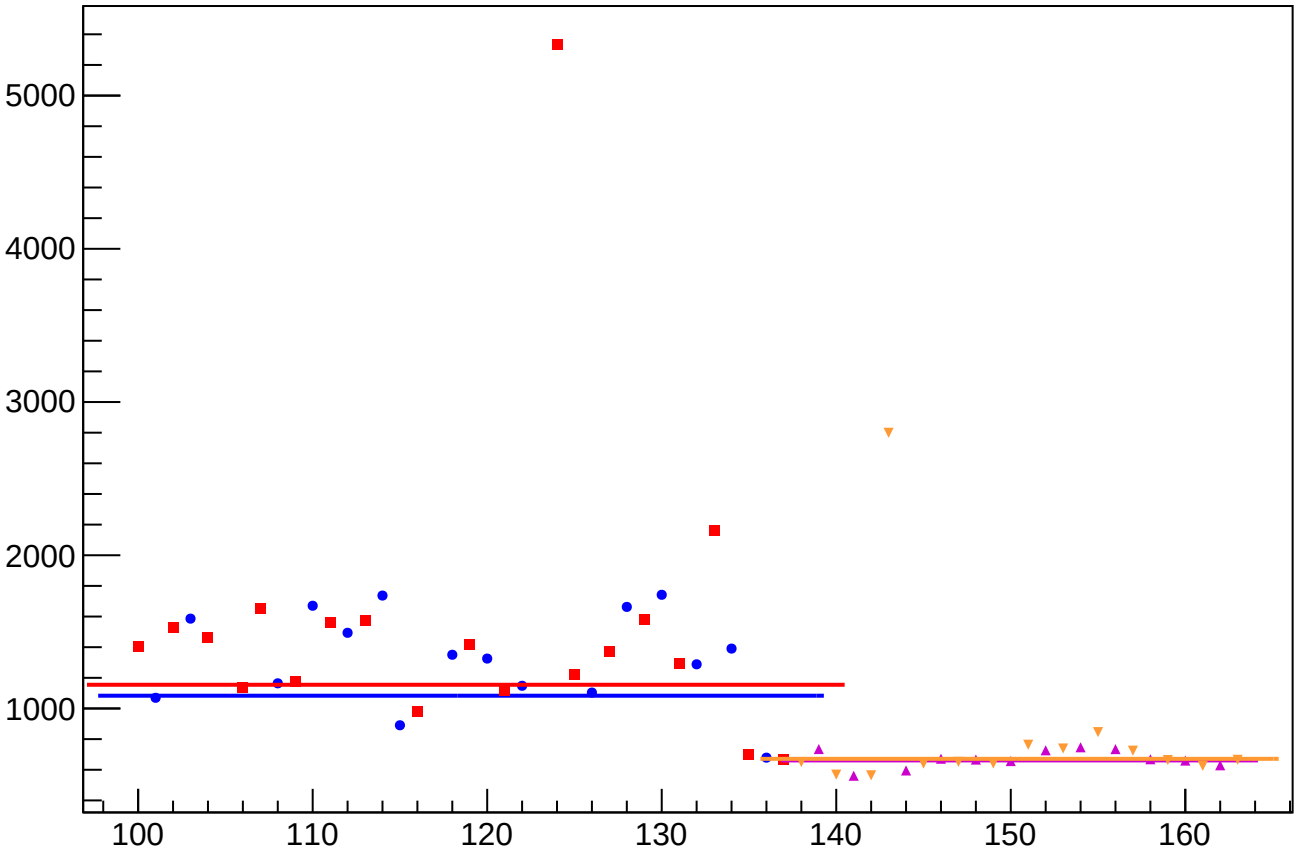
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 194.512+/-206.522 χ^2/NDF:7.2/11

\+ sign 903.652+/-185.758 χ^2/NDF: 57.5/29

All: 588.419+/-131.974 χ^2/NDF: 88.3/60

\- sign 267.130+/-187.534 χ^2/NDF: 25.0/30



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.409+/-0.146 χ^2/NDF:1166578.7/13

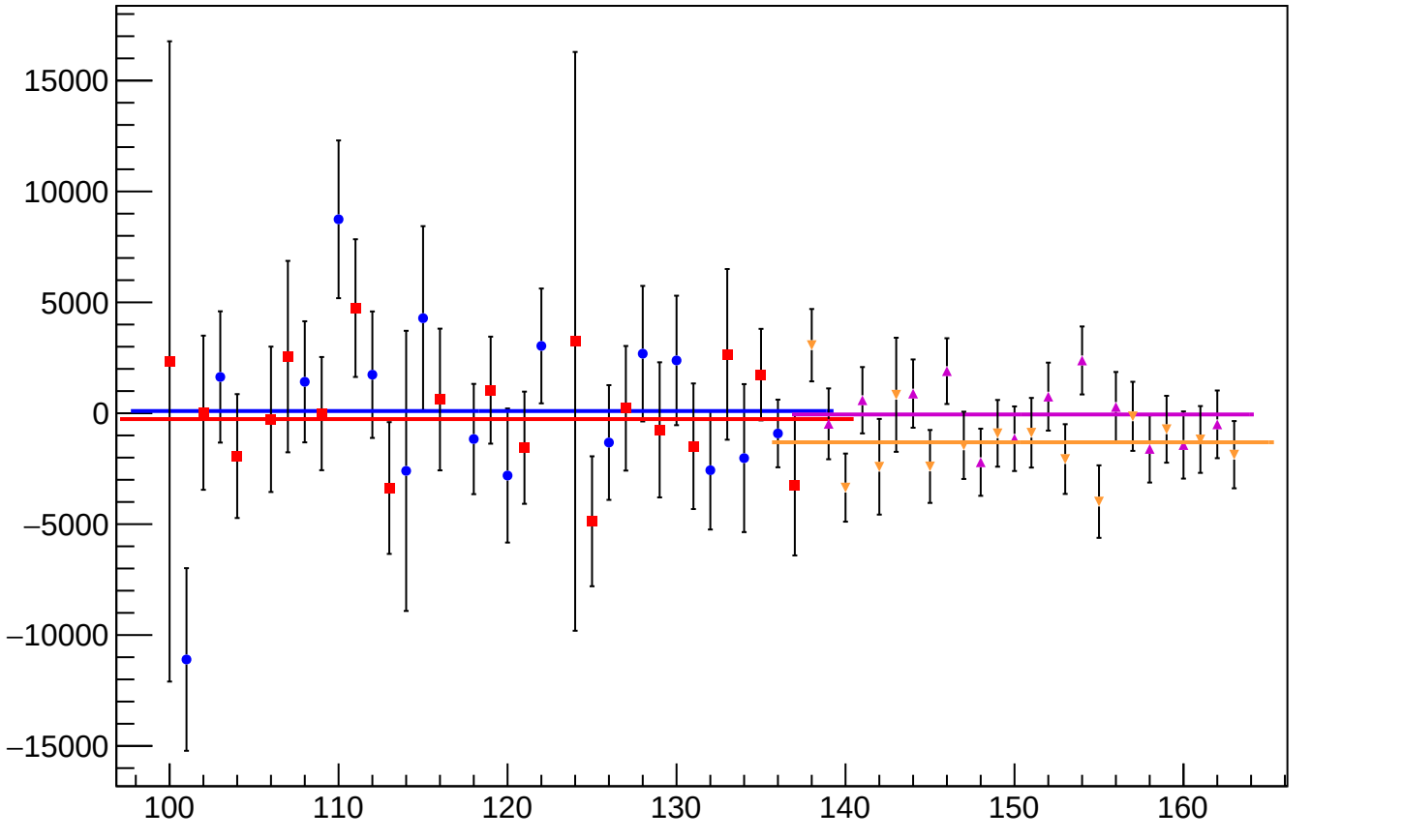
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.023+/-0.146 χ^2/NDF:153488.5/11

+ sign 750.021+/-0.131 χ^2/NDF: 4045434.8/29

All: 748.840+/-0.093 χ^2/NDF: 7692515.6/60

- sign 747.636+/-0.133 χ^2/NDF: 3646917.5/30



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

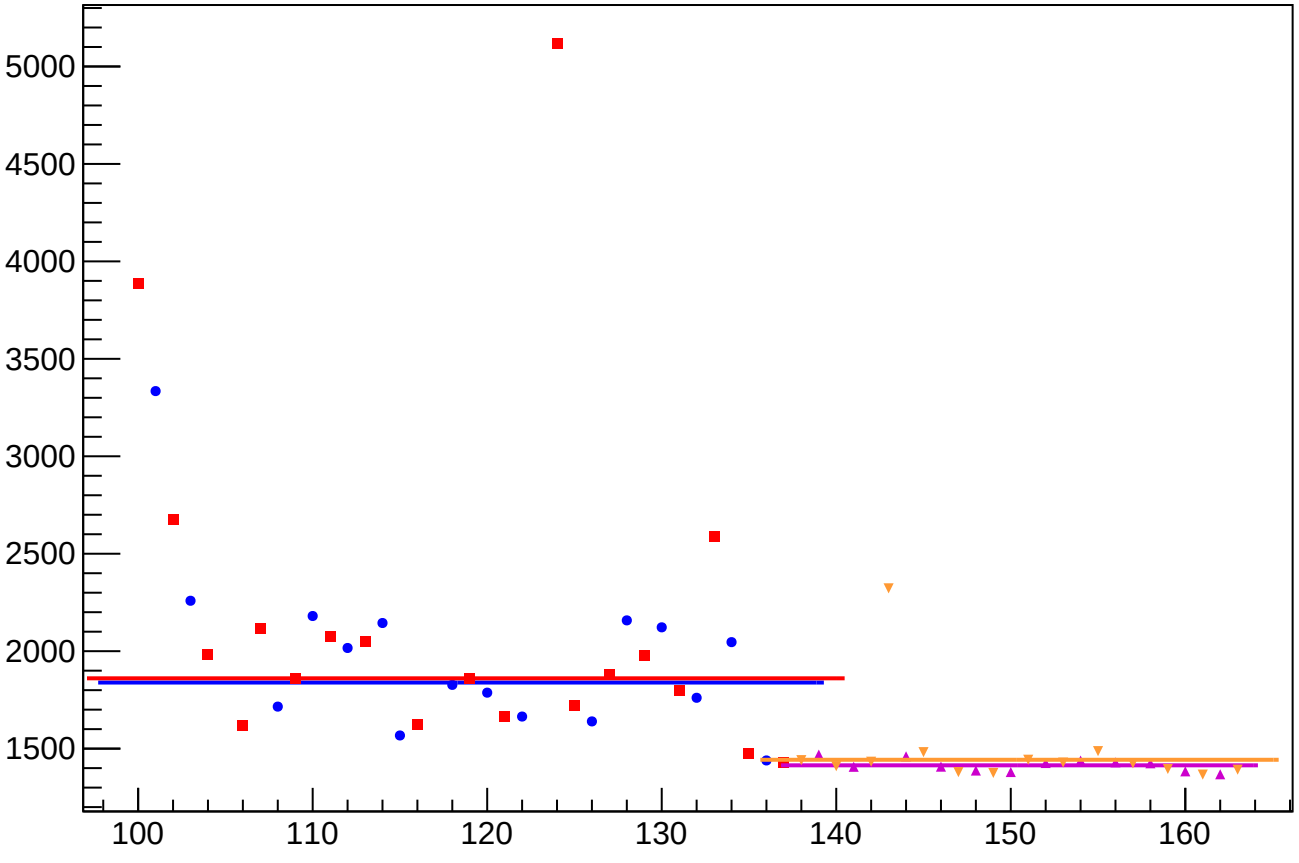
Left In: -54.404+/-439.479 χ^2/NDF:9.8/11

+ sign -917.351+/-368.304 χ^2/NDF: 38.5/29

All: -519.532+/-261.784 χ^2/NDF: 61.0/60

- sign -113.336+/-372.162 χ^2/NDF: 20.2/30

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

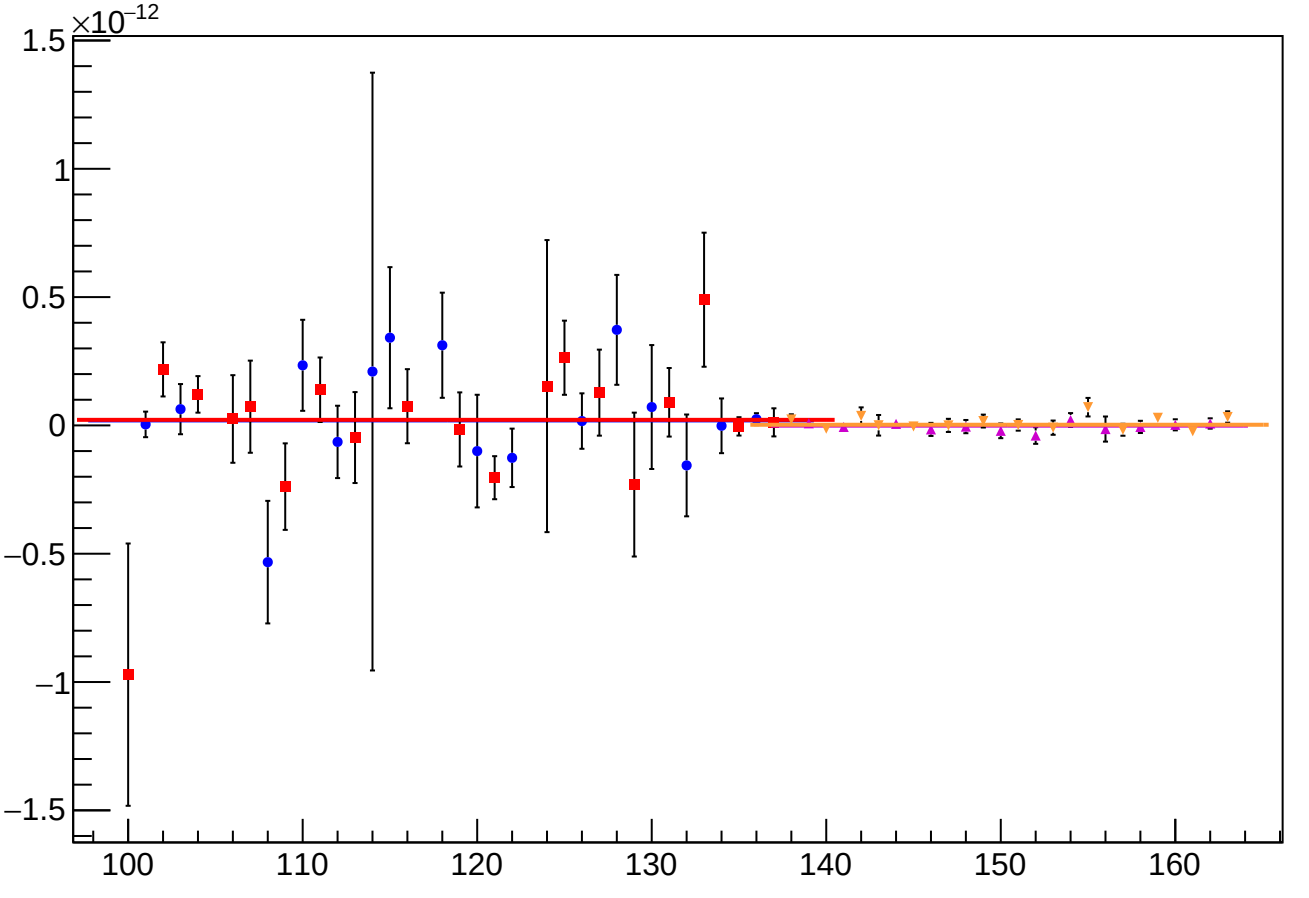
Left In: 1414.340+/-0.311 χ^2/NDF:9546.8/11

+ sign 1552.828+/-0.260 χ^2/NDF: 1275911.8/29

All: 1546.790+/-0.185 χ^2/NDF: 2392436.9/60

- sign 1540.626+/-0.263 χ^2/NDF: 1115438.9/30

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

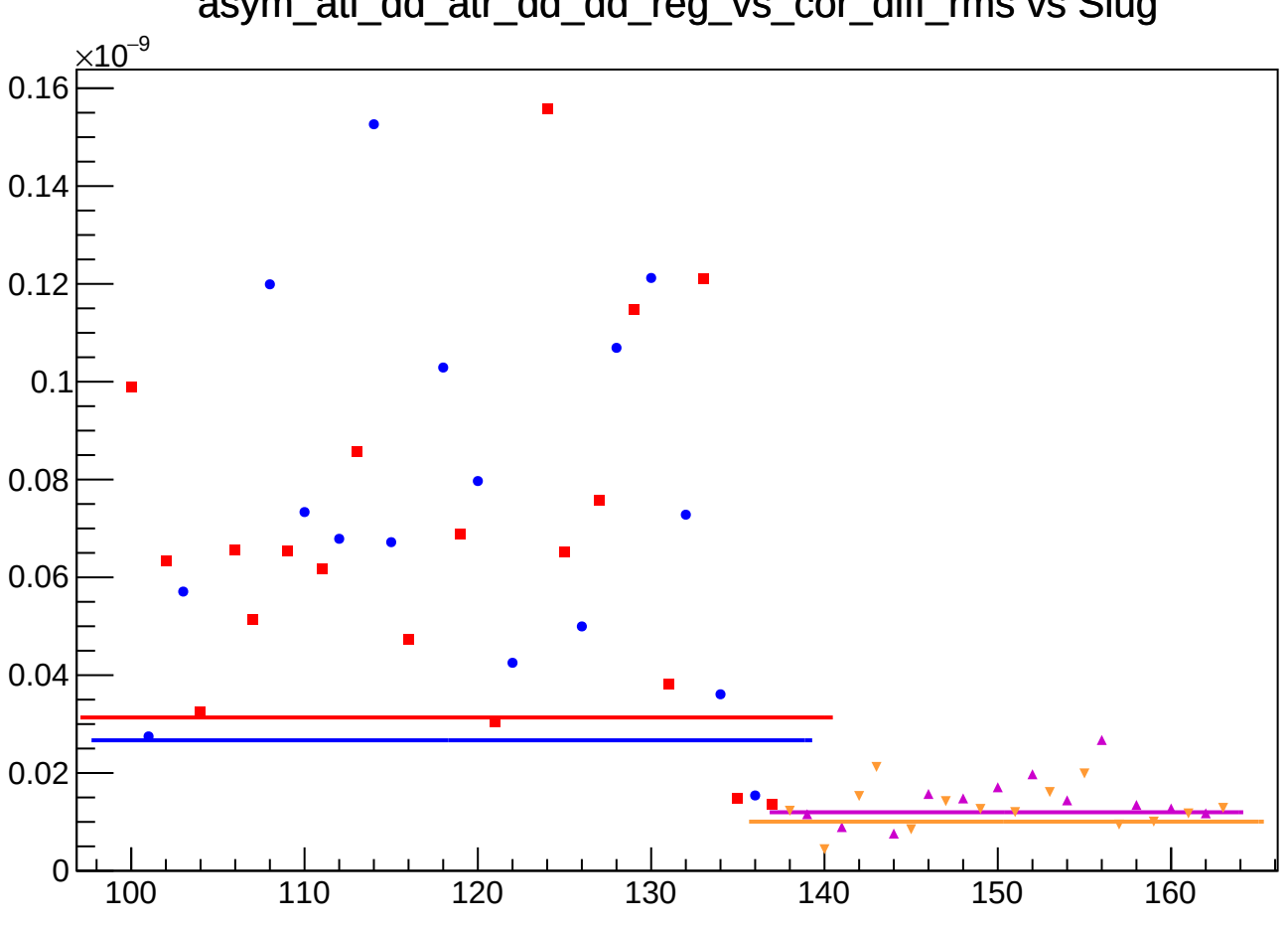
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 65.1/60

- sign 0.000+/-0.000 χ^2/NDF: 33.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1192092.8/13

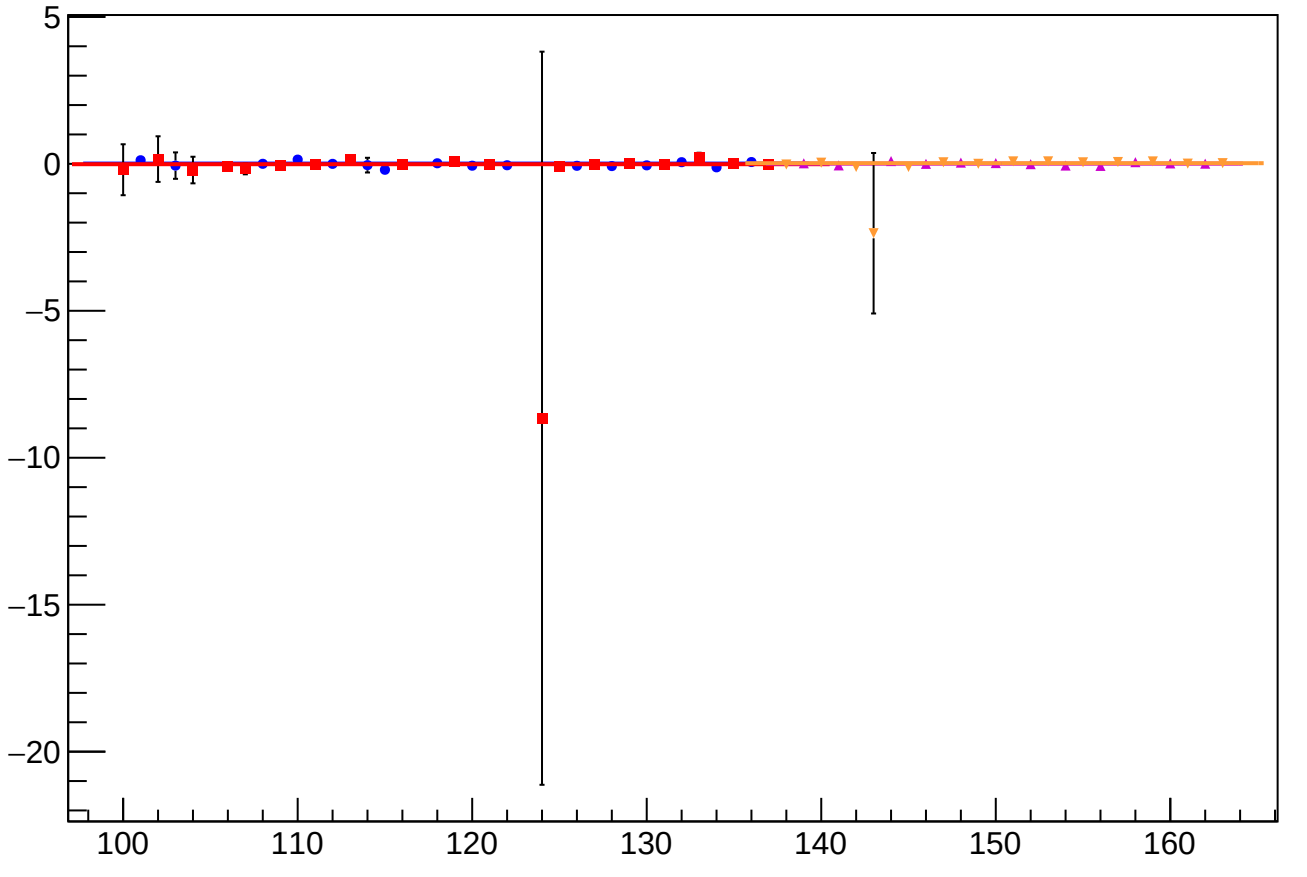
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740427.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 5215045.4/29

All: 0.000+/-0.000 χ^2/NDF: 9761342.1/60

- sign 0.000+/-0.000 χ^2/NDF: 4416132.5/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

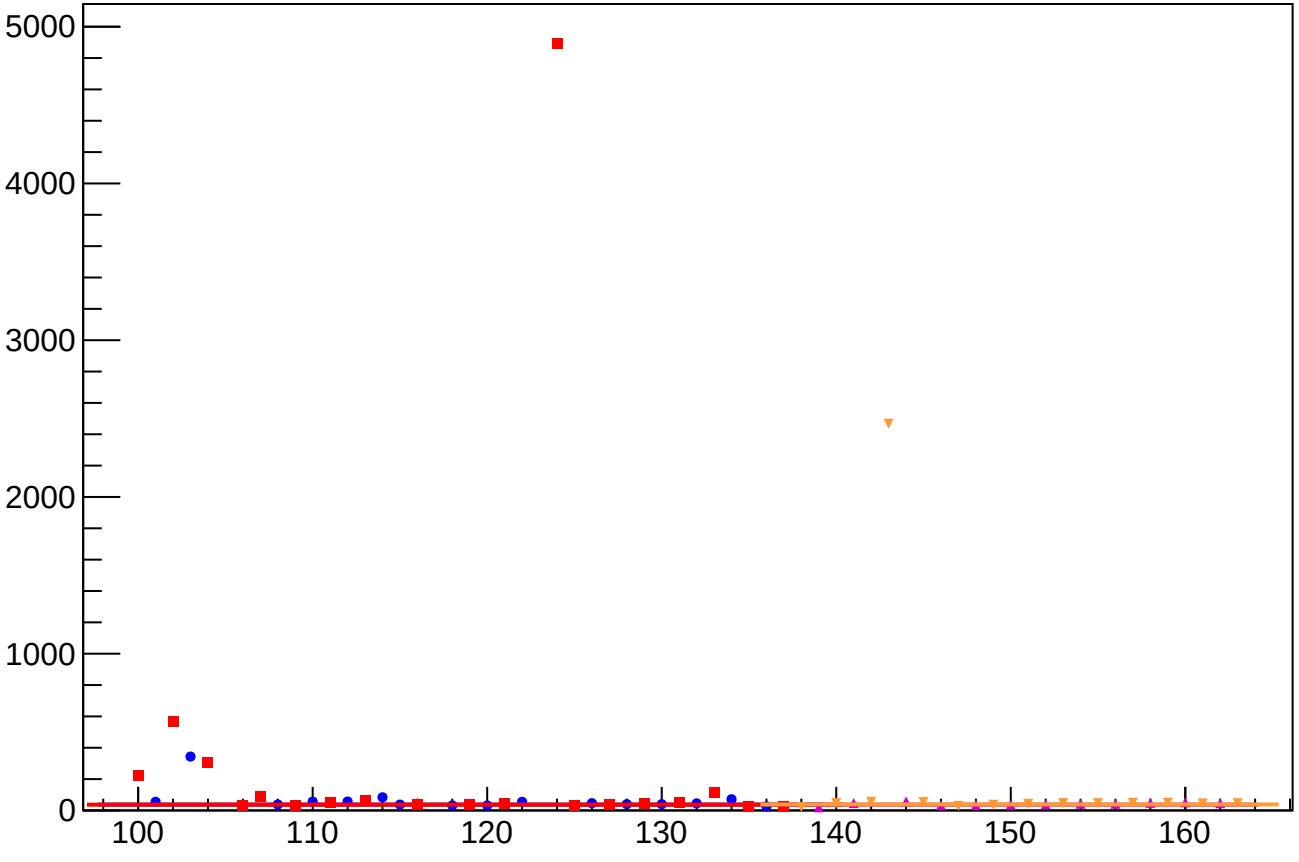
Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

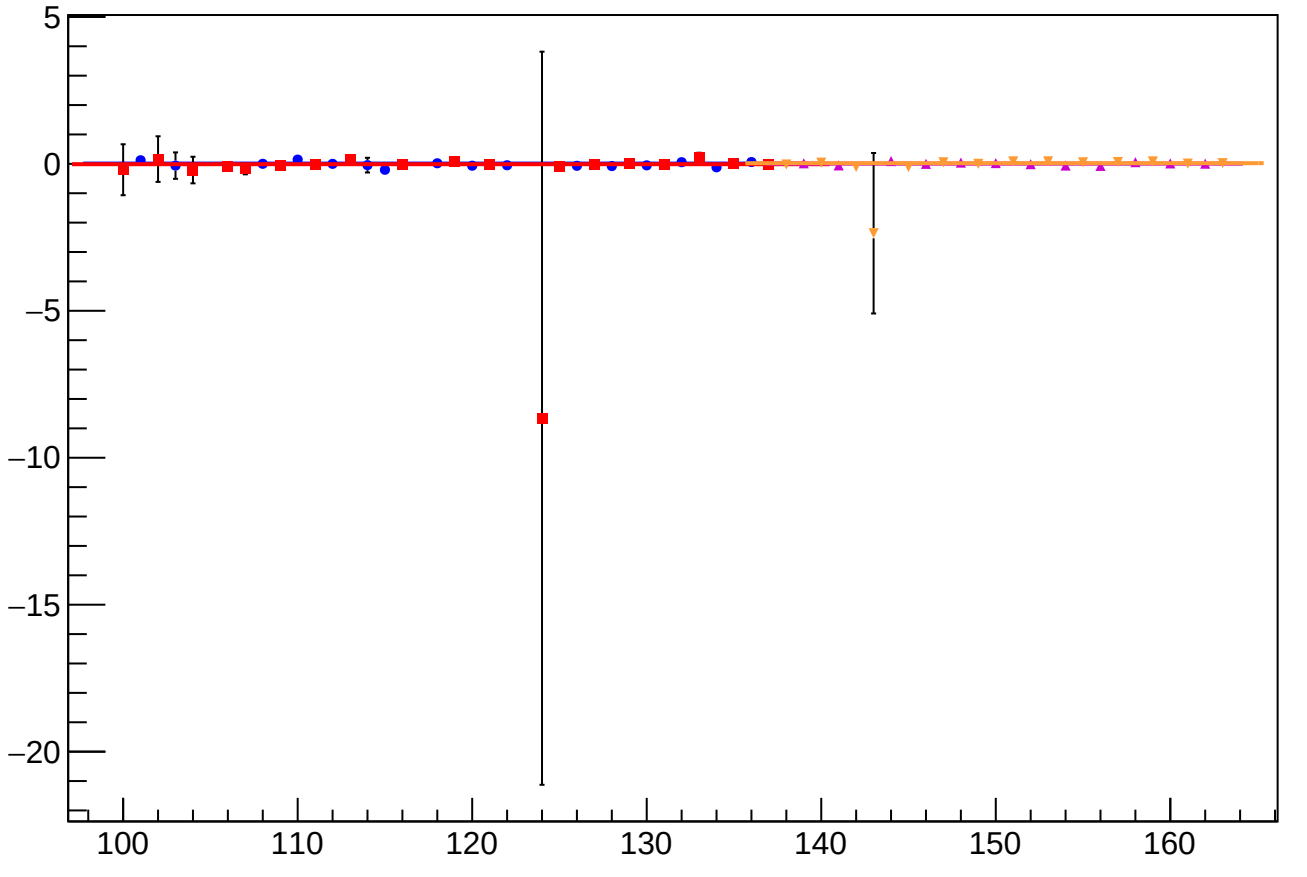
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

- sign 36.875+/-0.007 χ^2/NDF: 4598079.3/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

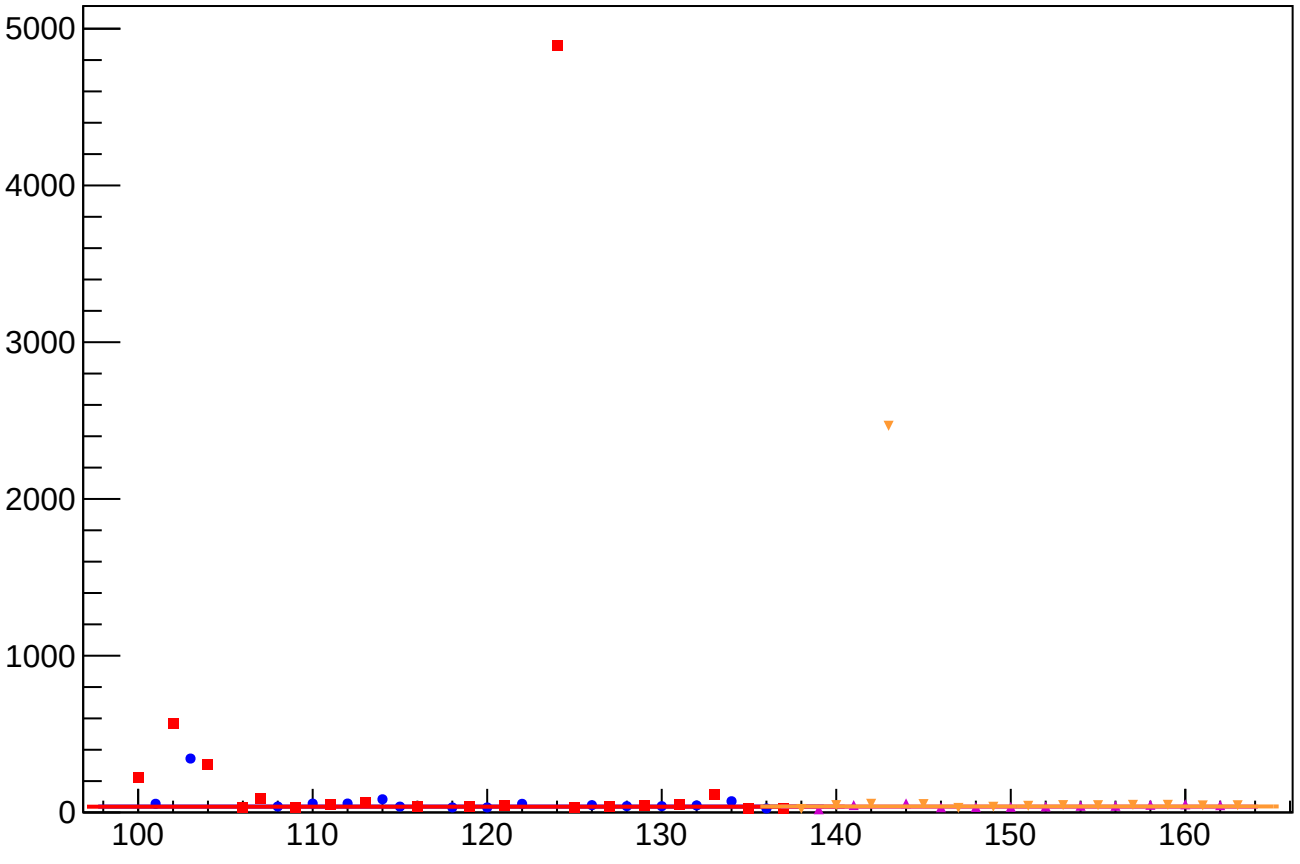
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 38.280+/-0.009 χ^2/NDF:2954203.2/13

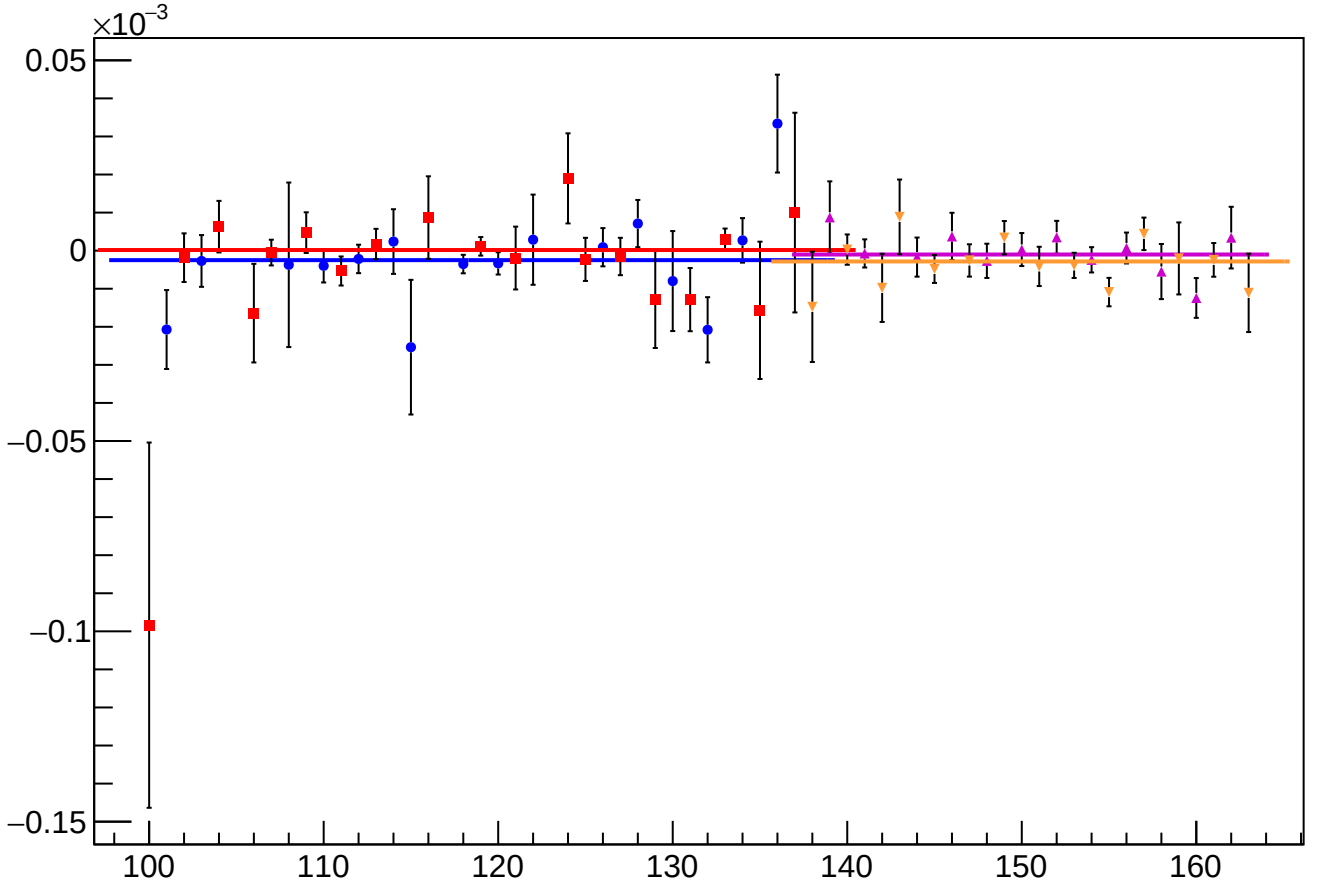
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

\+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

\- sign 36.875+/-0.007 χ^2/NDF: 4598079.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

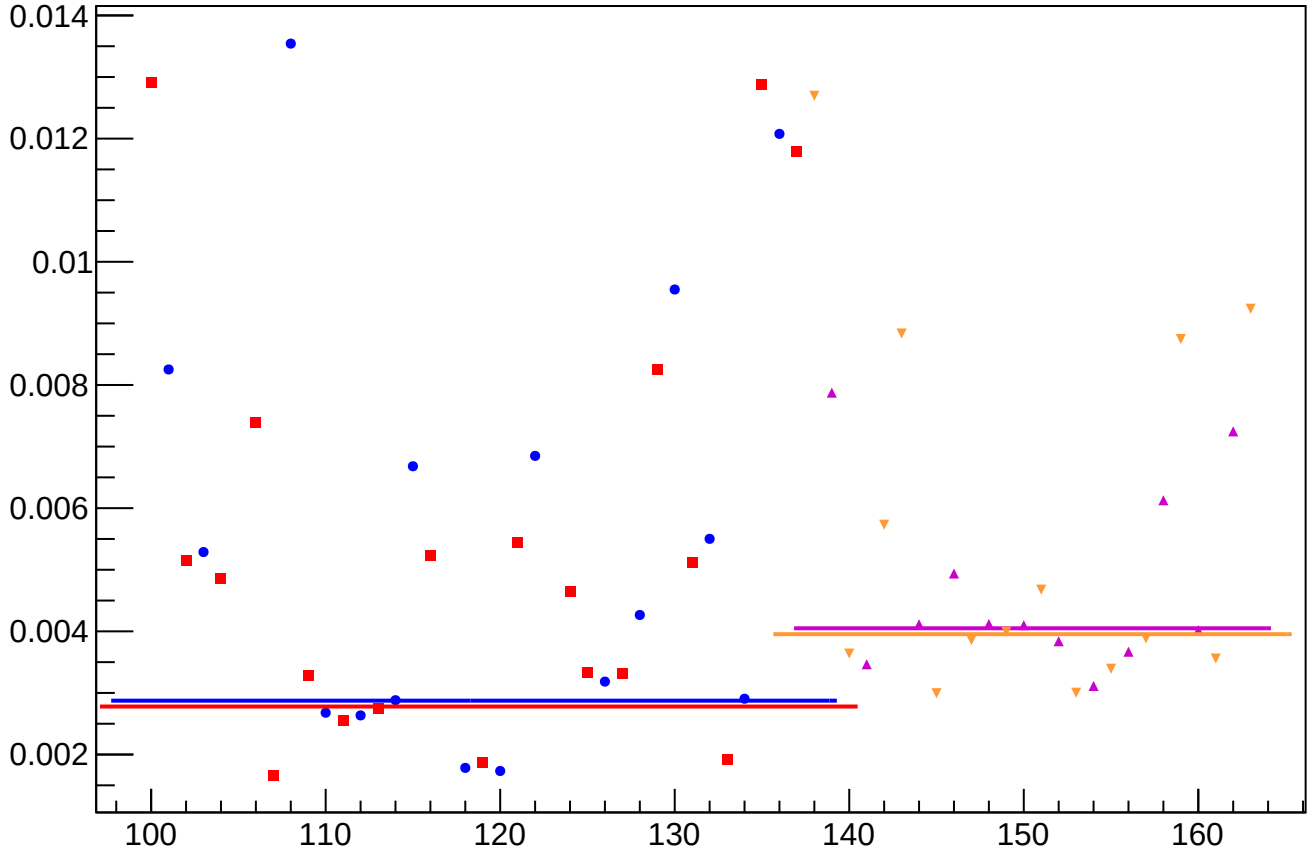
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 67.3/60

- sign -0.000+/-0.000 χ^2/NDF: 28.1/30



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

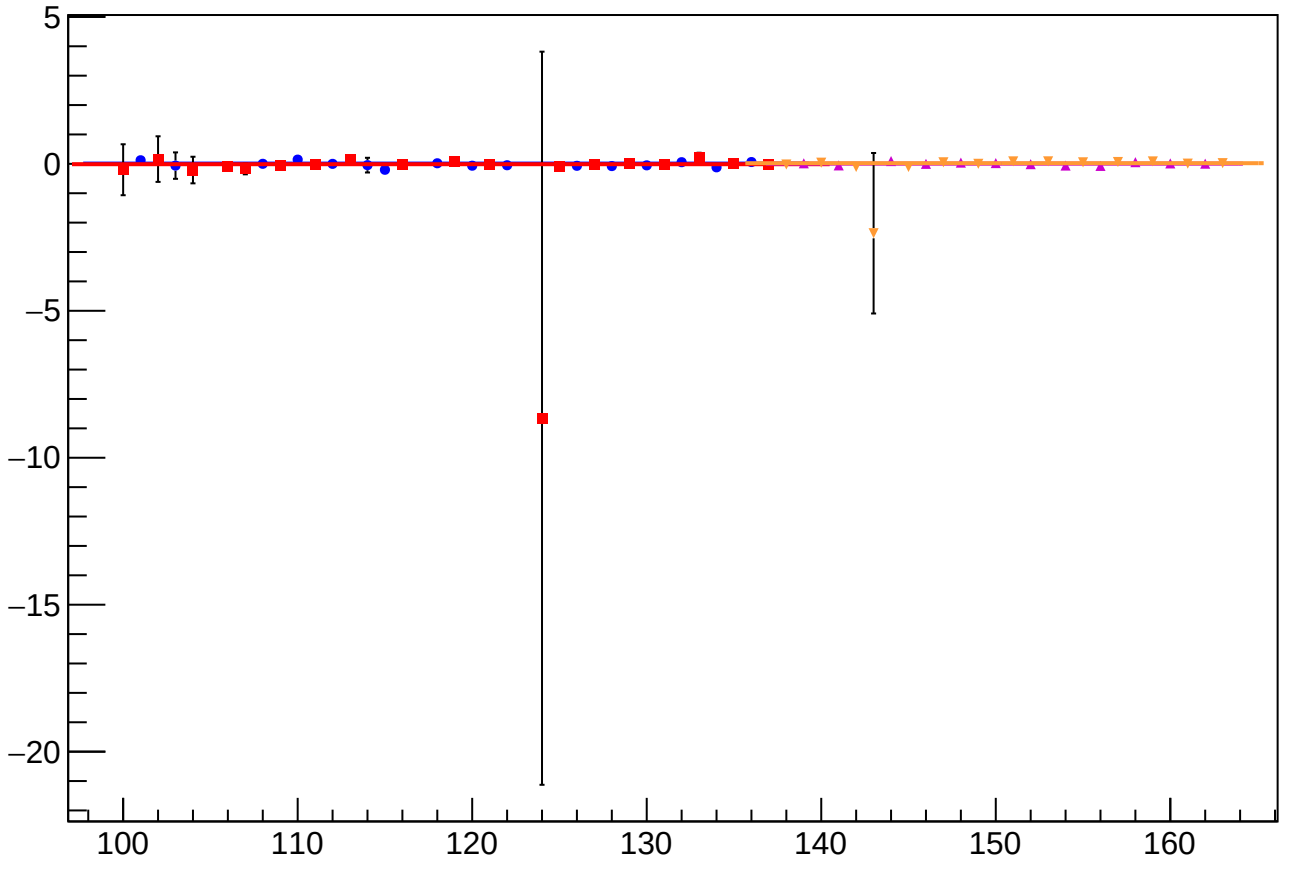
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1077290.4/11

+ sign 0.003+/-0.000 χ^2/NDF: 7601257.2/29

All: 0.003+/-0.000 χ^2/NDF: 12988657.8/60

- sign 0.003+/-0.000 χ^2/NDF: 5373556.3/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

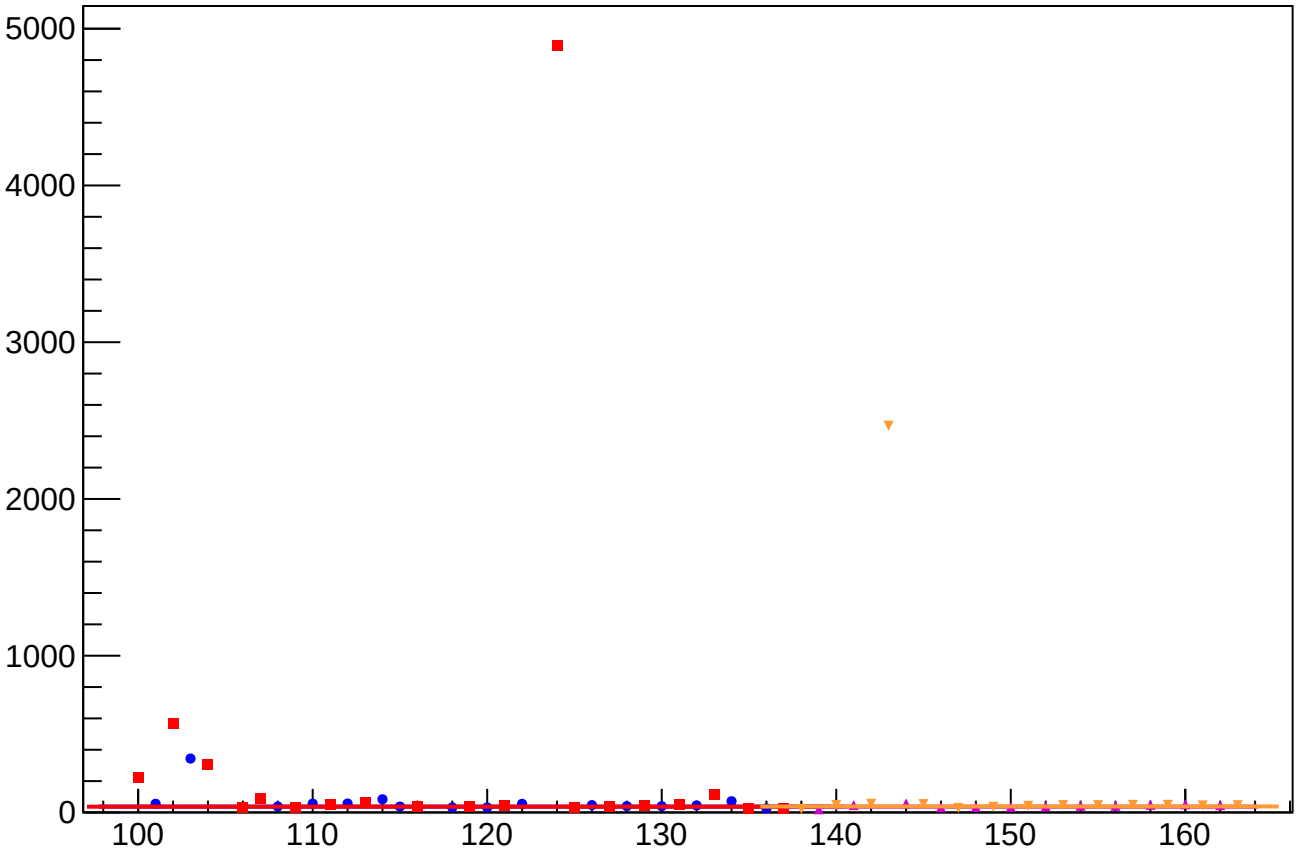
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 38.277+/-0.009 χ^2/NDF:2954726.6/13

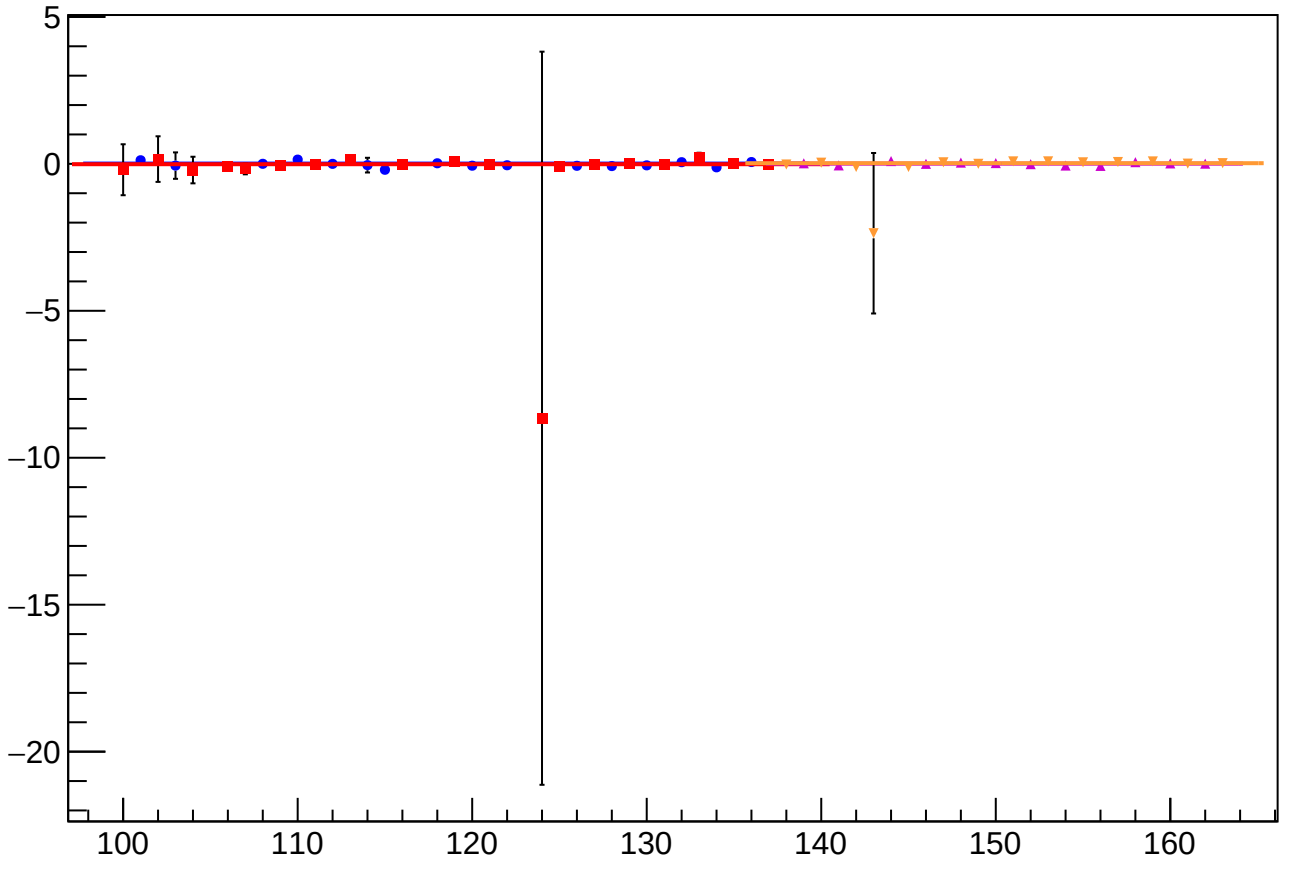
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

- sign 36.877+/-0.007 χ^2/NDF: 4596630.1/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

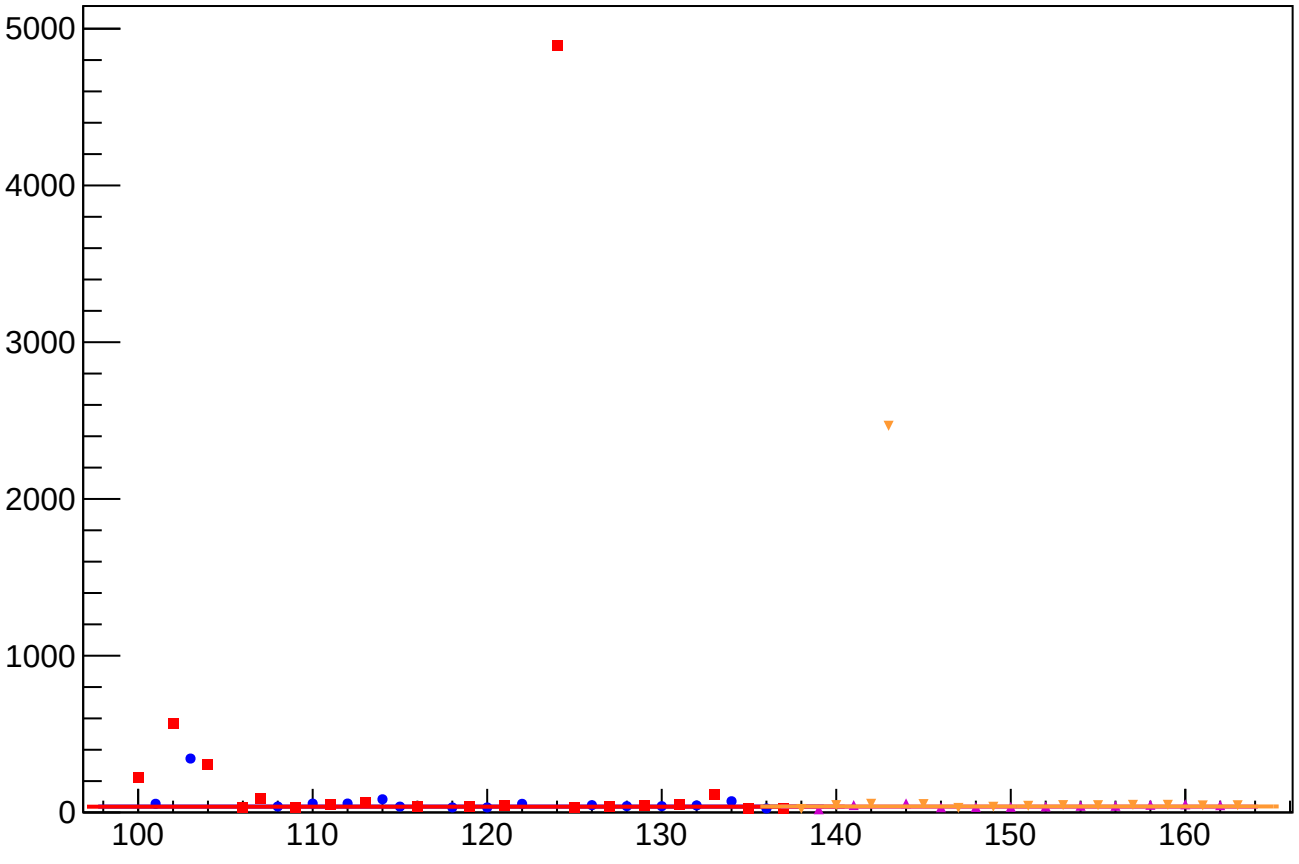
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 38.277+/-0.009 χ^2/NDF:2954726.6/13

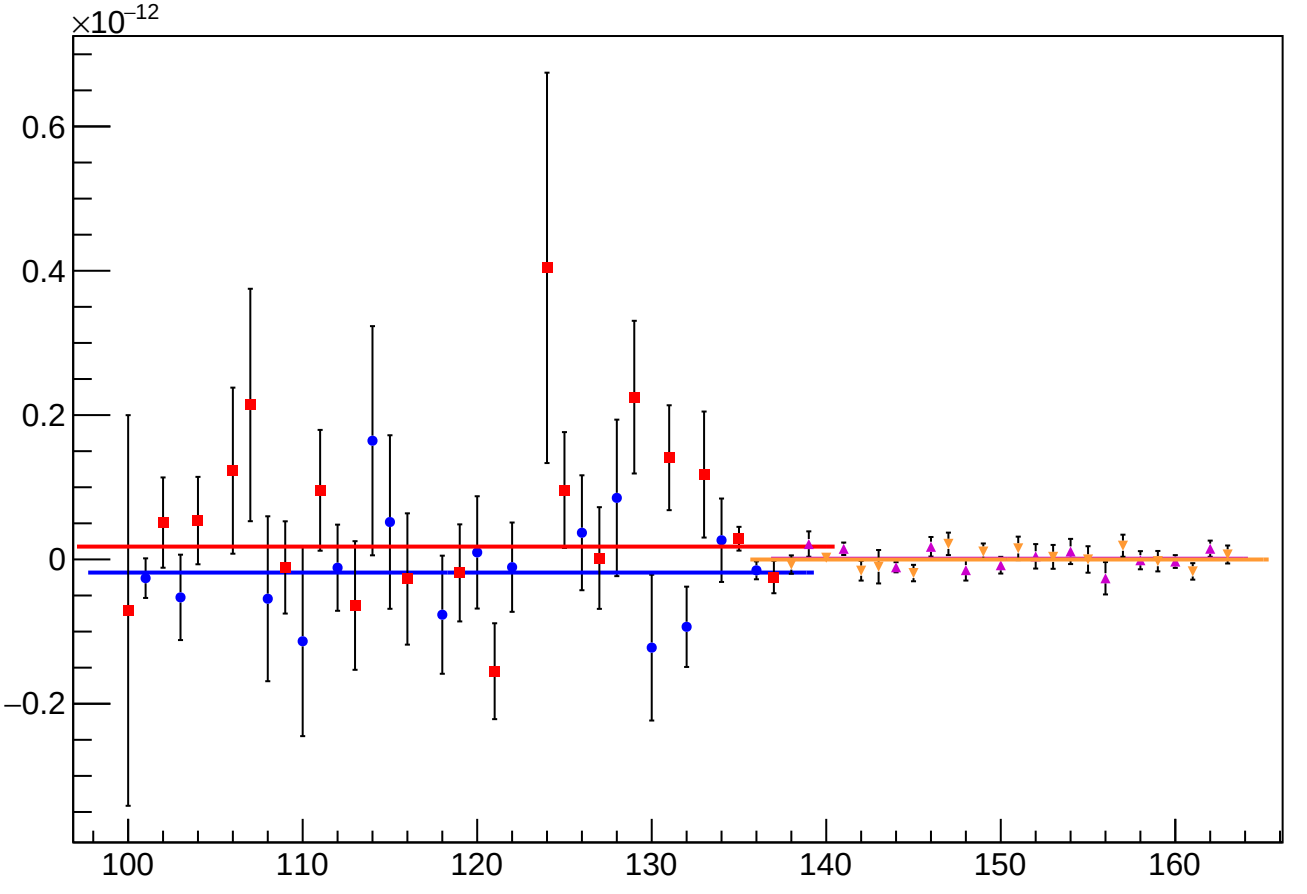
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

- sign 36.877+/-0.007 χ^2/NDF: 4596630.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/13

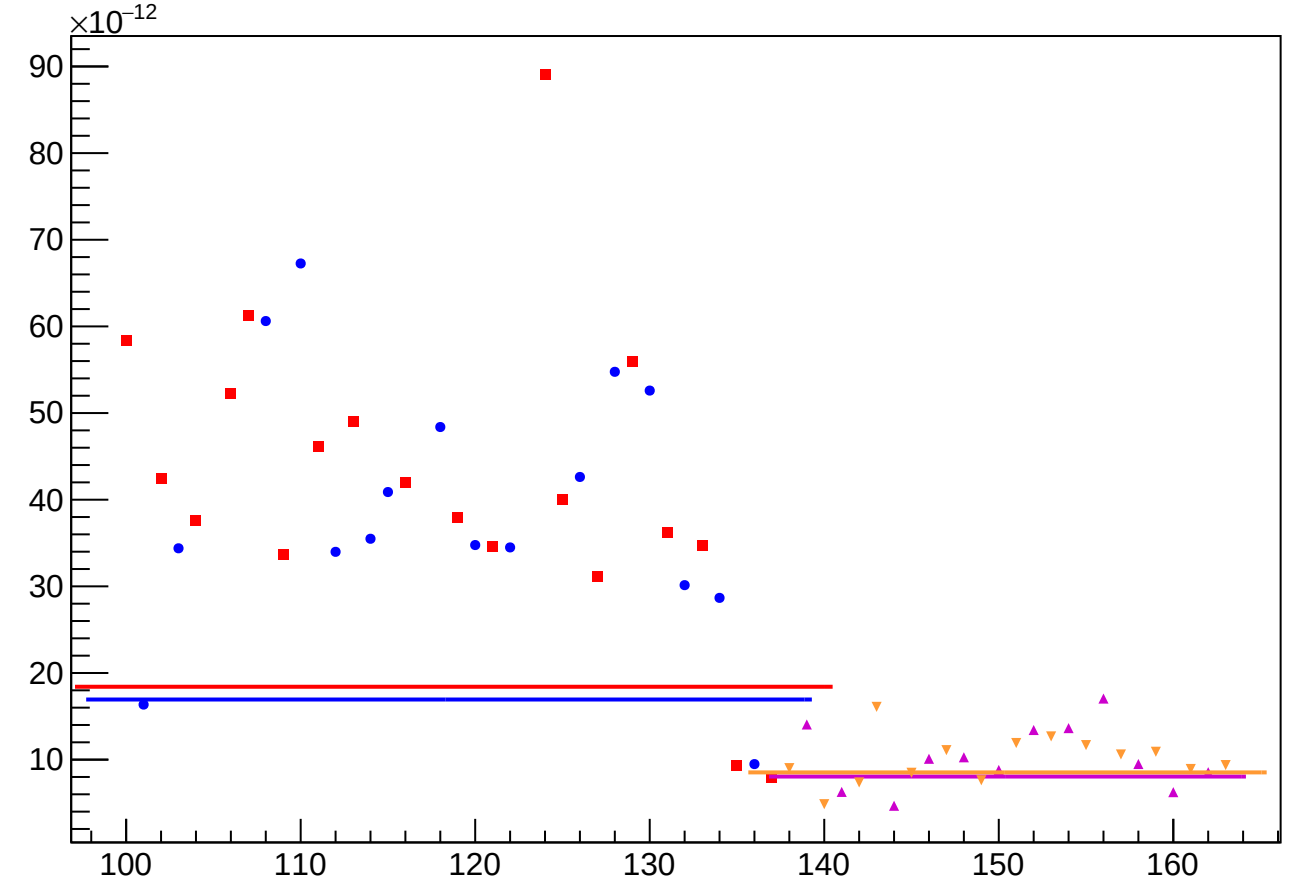
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/60

- sign 0.000+/-0.000 χ^2/NDF: 43.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

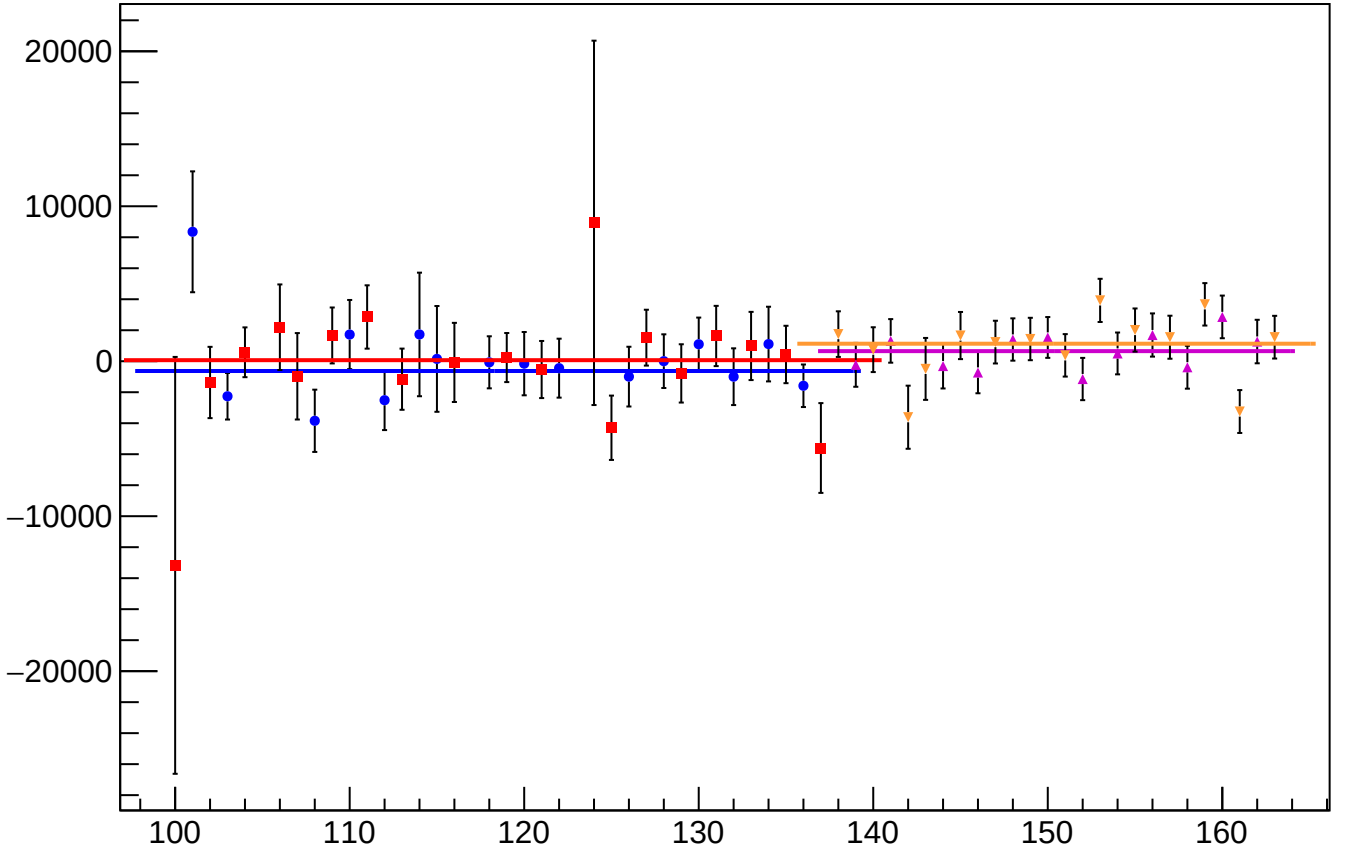
Left In: 0.000+/-0.000 χ^2/NDF:1721269.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 5764846.0/29

All: 0.000+/-0.000 χ^2/NDF: 12795216.4/60

- sign 0.000+/-0.000 χ^2/NDF: 7007468.8/30

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

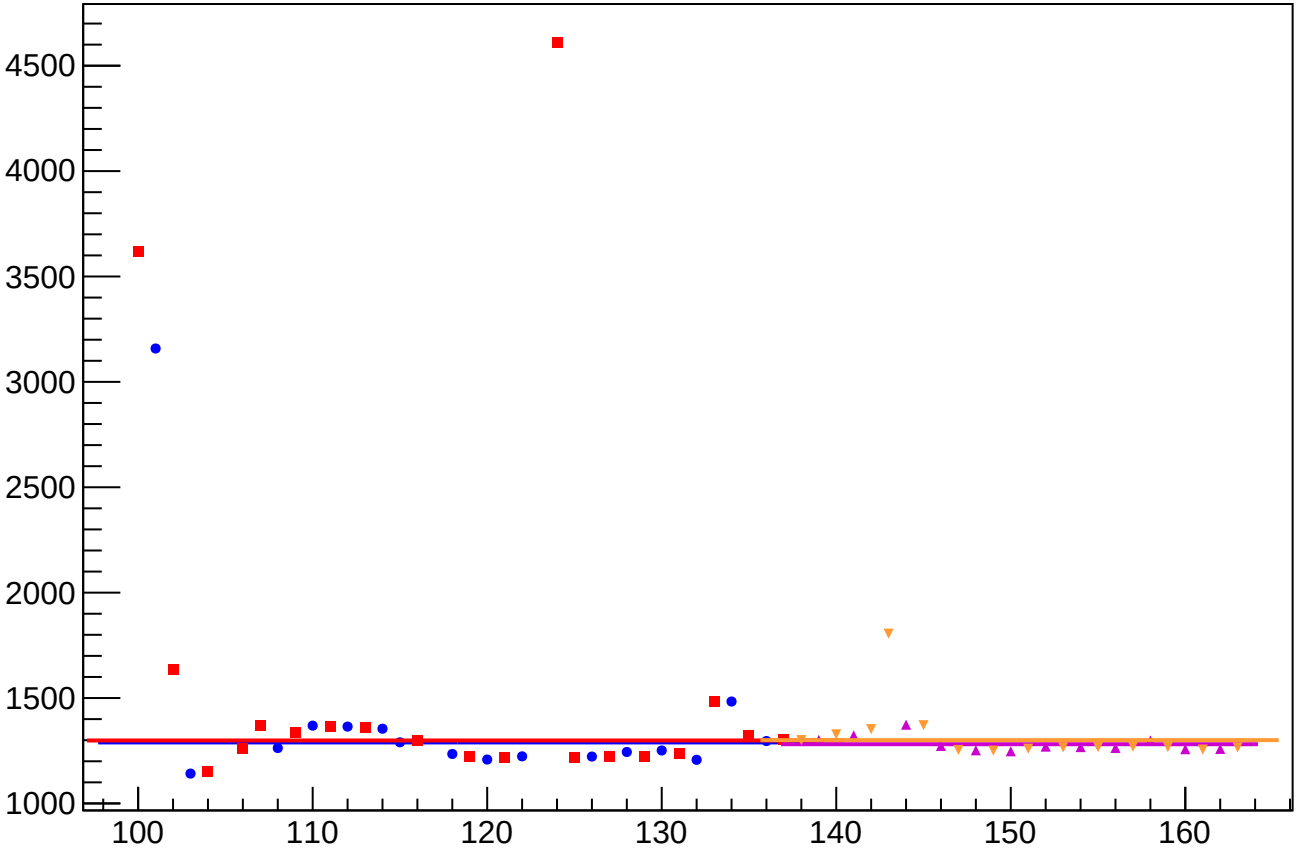
Left In: 651.480+/-398.041 χ^2/NDF:8.5/11

\+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 432.162+/-216.716 χ^2/NDF: 72.0/60

\- sign 418.096+/-308.387 χ^2/NDF: 25.2/30

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

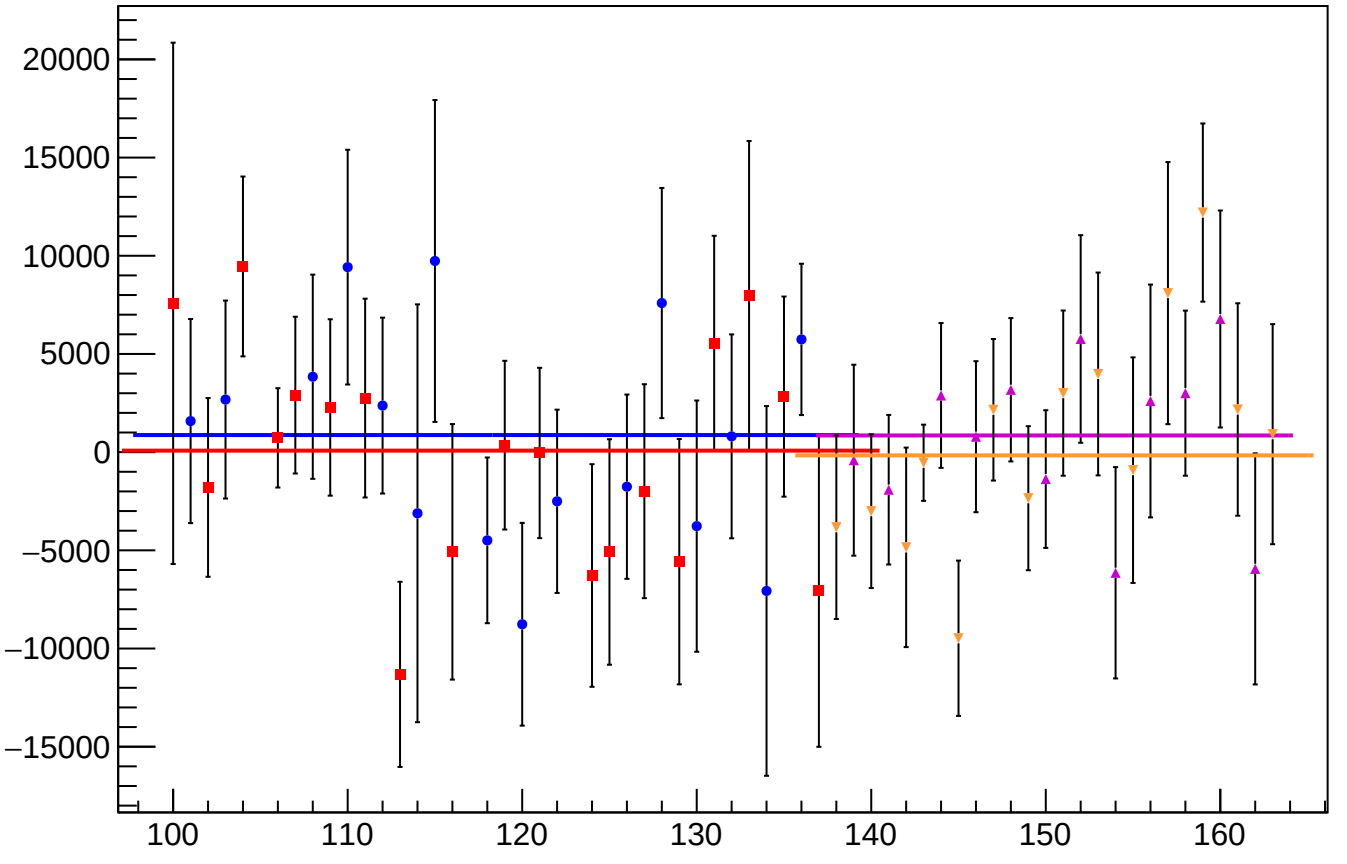
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60

- sign 1288.038+/-0.218 χ^2/NDF: 335730.3/30



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

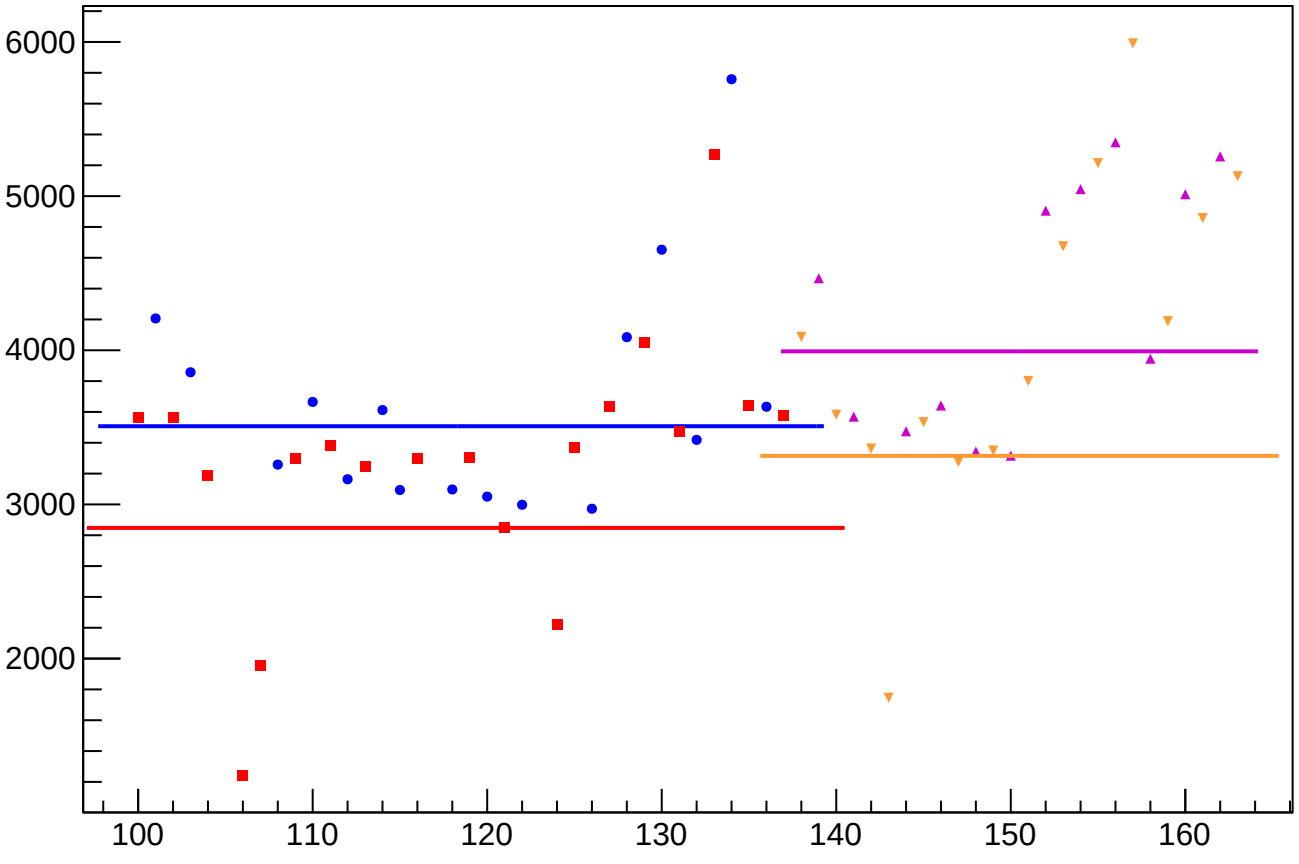
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 850.143+/-1264.028 χ^2/NDF:7.1/11

+ sign 238.049+/-827.147 χ^2/NDF: 33.2/29

All: 325.329+/-587.469 χ^2/NDF: 58.9/60

- sign 414.170+/-834.514 χ^2/NDF: 25.7/30



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

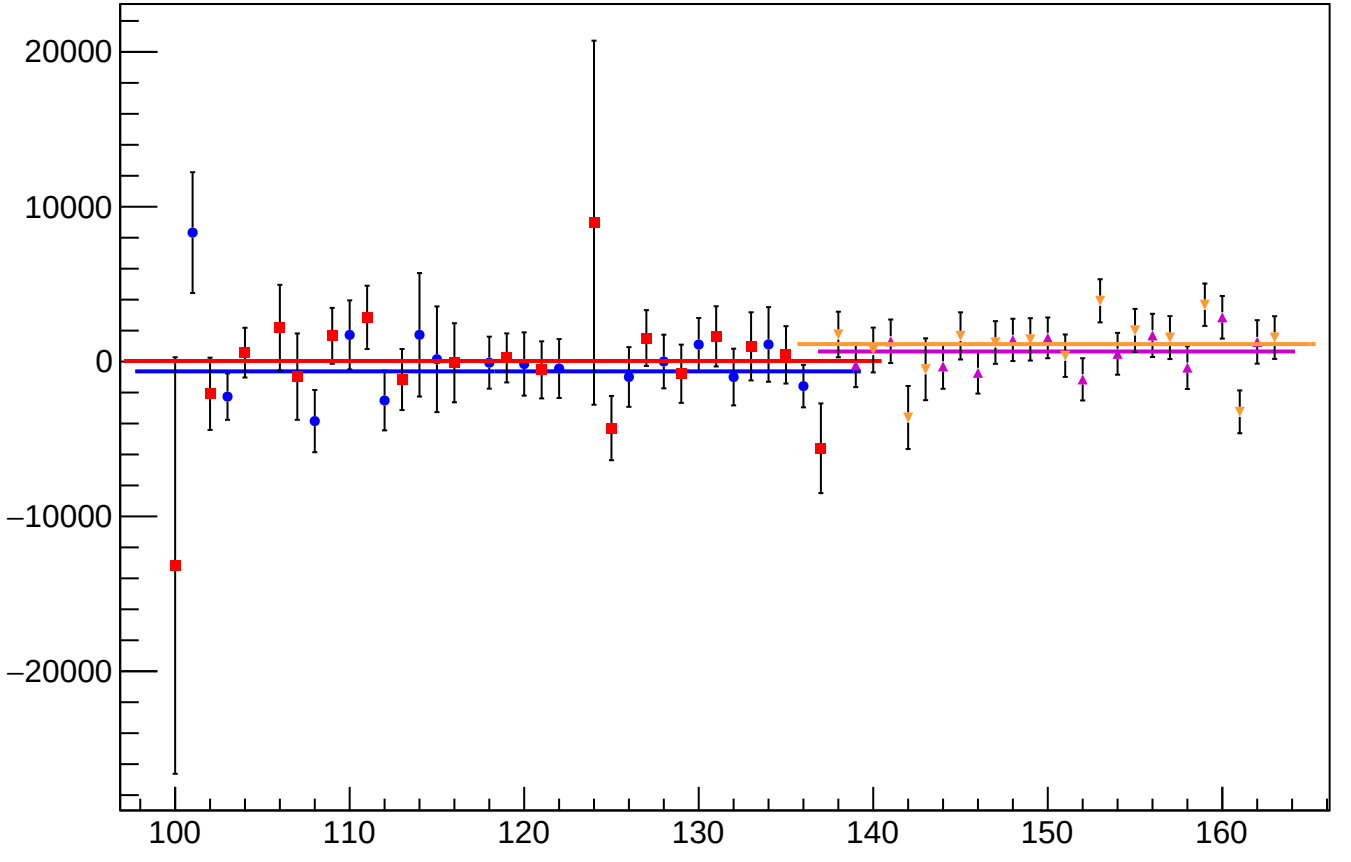
Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60

- sign 3347.001+/-0.590 χ^2/NDF: 3064901.4/30

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

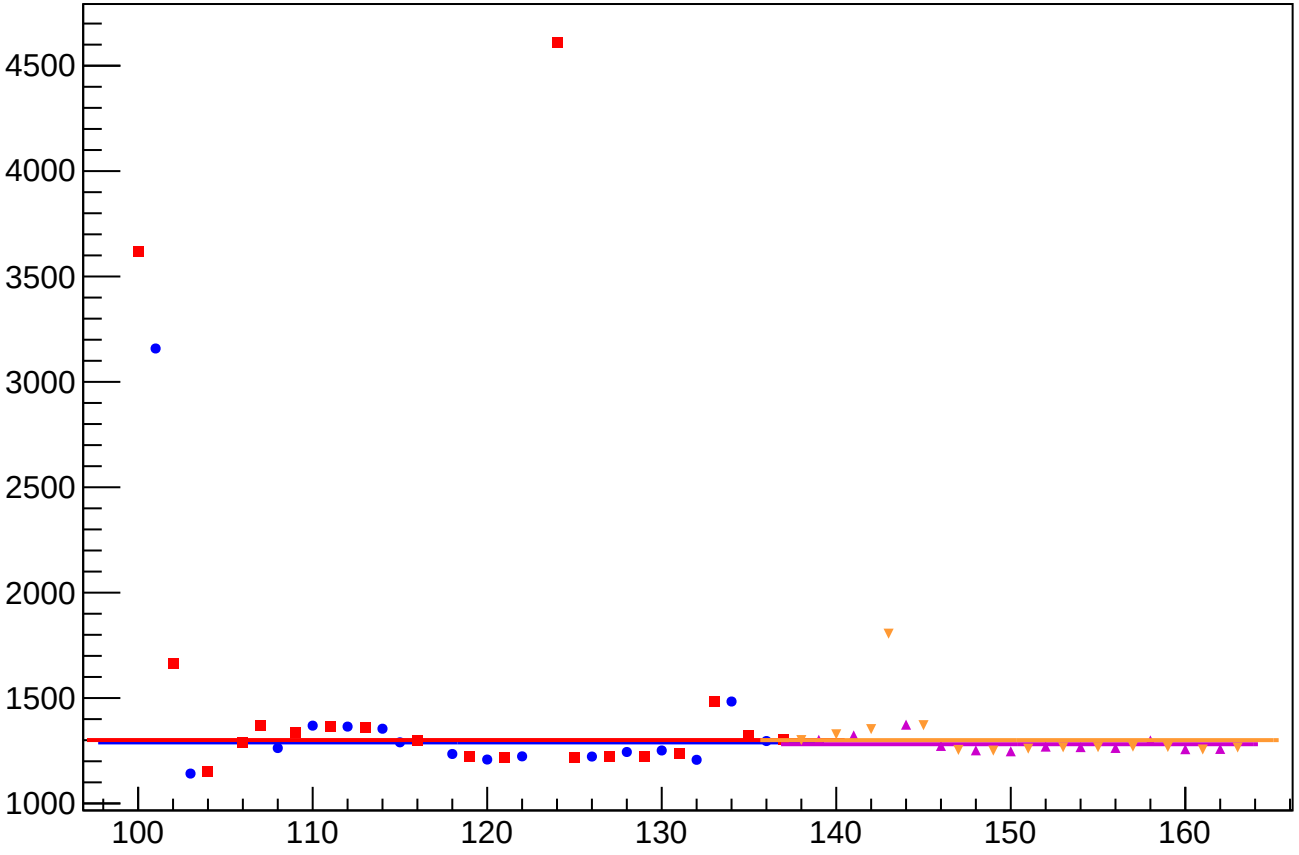
Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

- sign 406.676+/-308.469 χ^2/NDF: 25.8/30

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

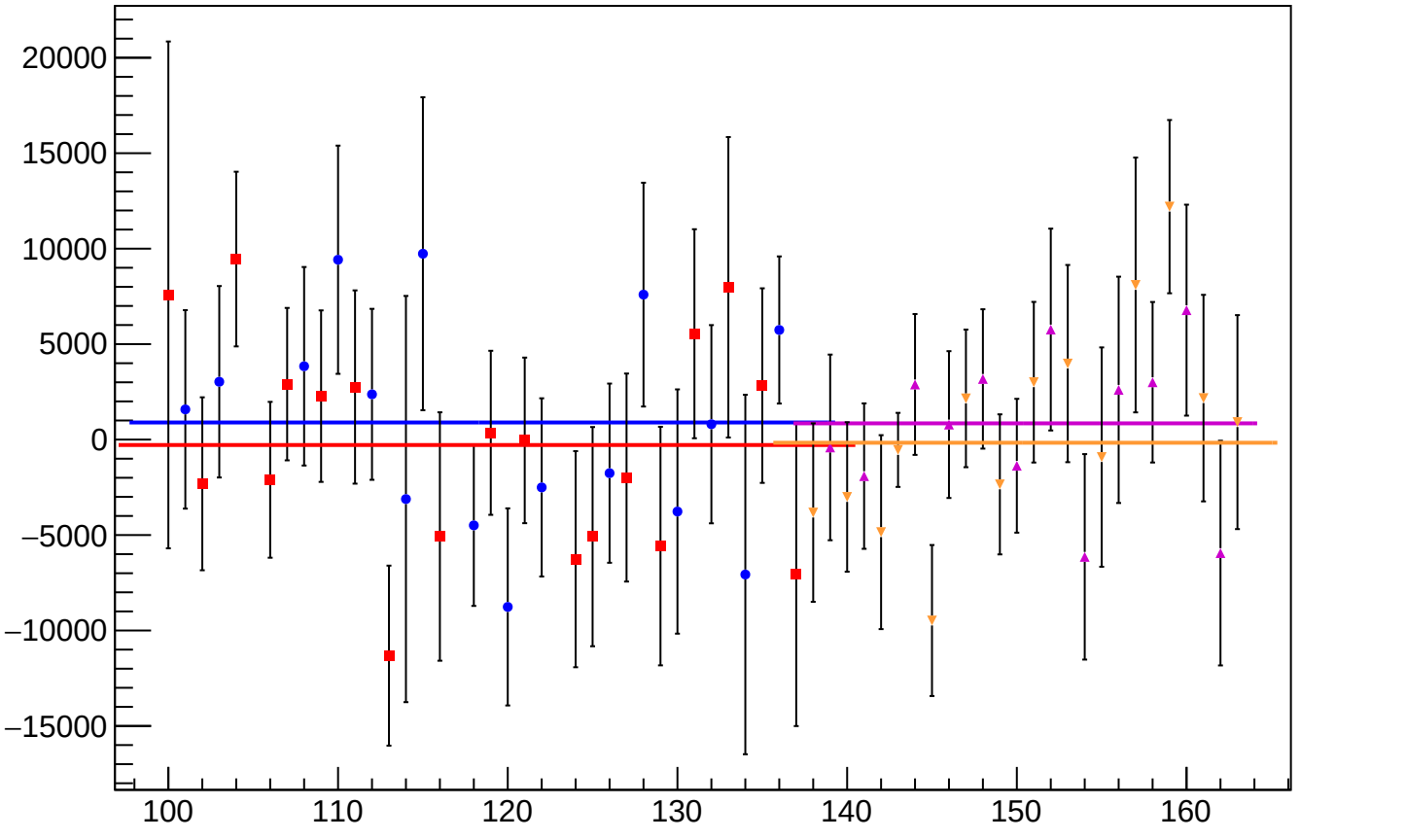
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

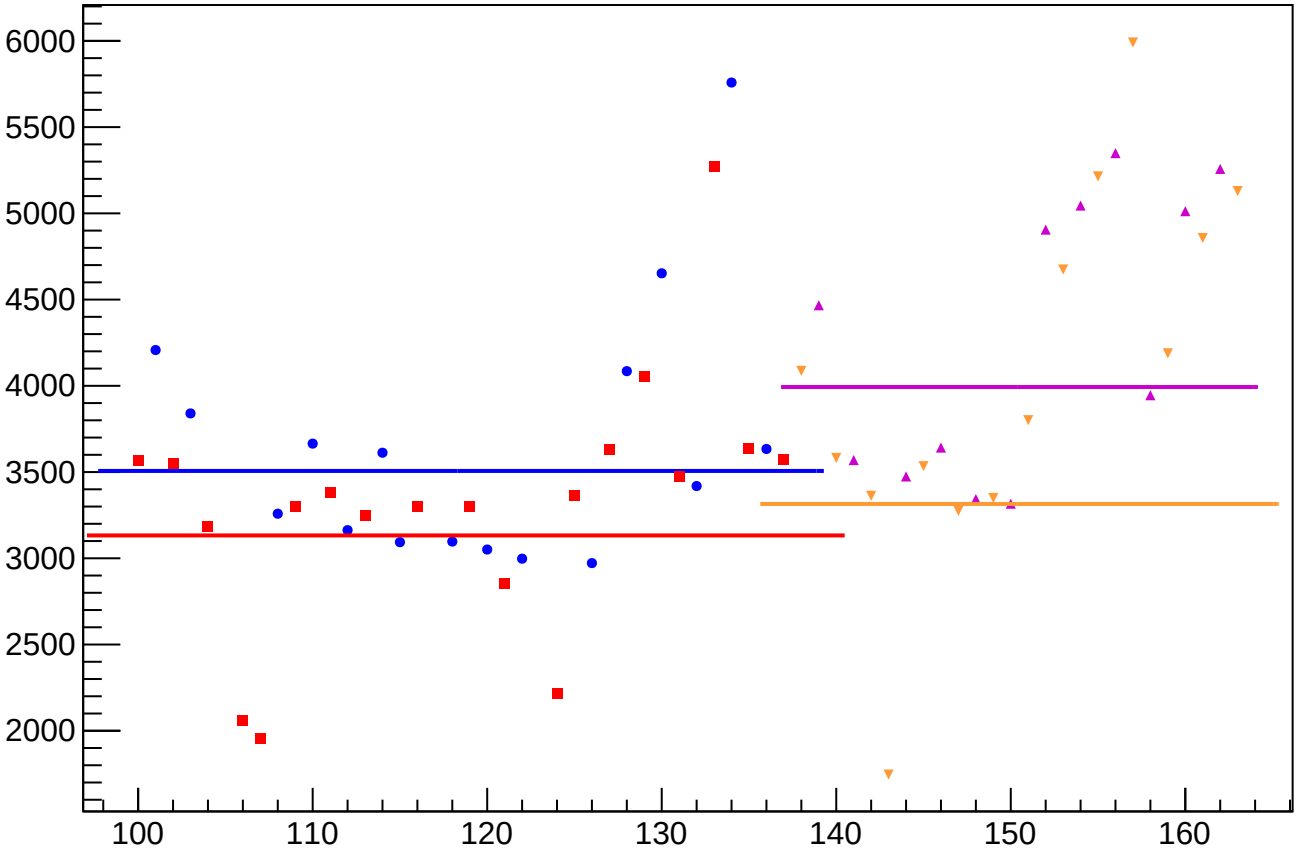
Left In: 850.171+/-1264.027 χ^2/NDF:7.1/11

+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 247.045+/-597.377 χ^2/NDF: 59.4/60

- sign 245.673+/-863.799 χ^2/NDF: 26.1/30

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

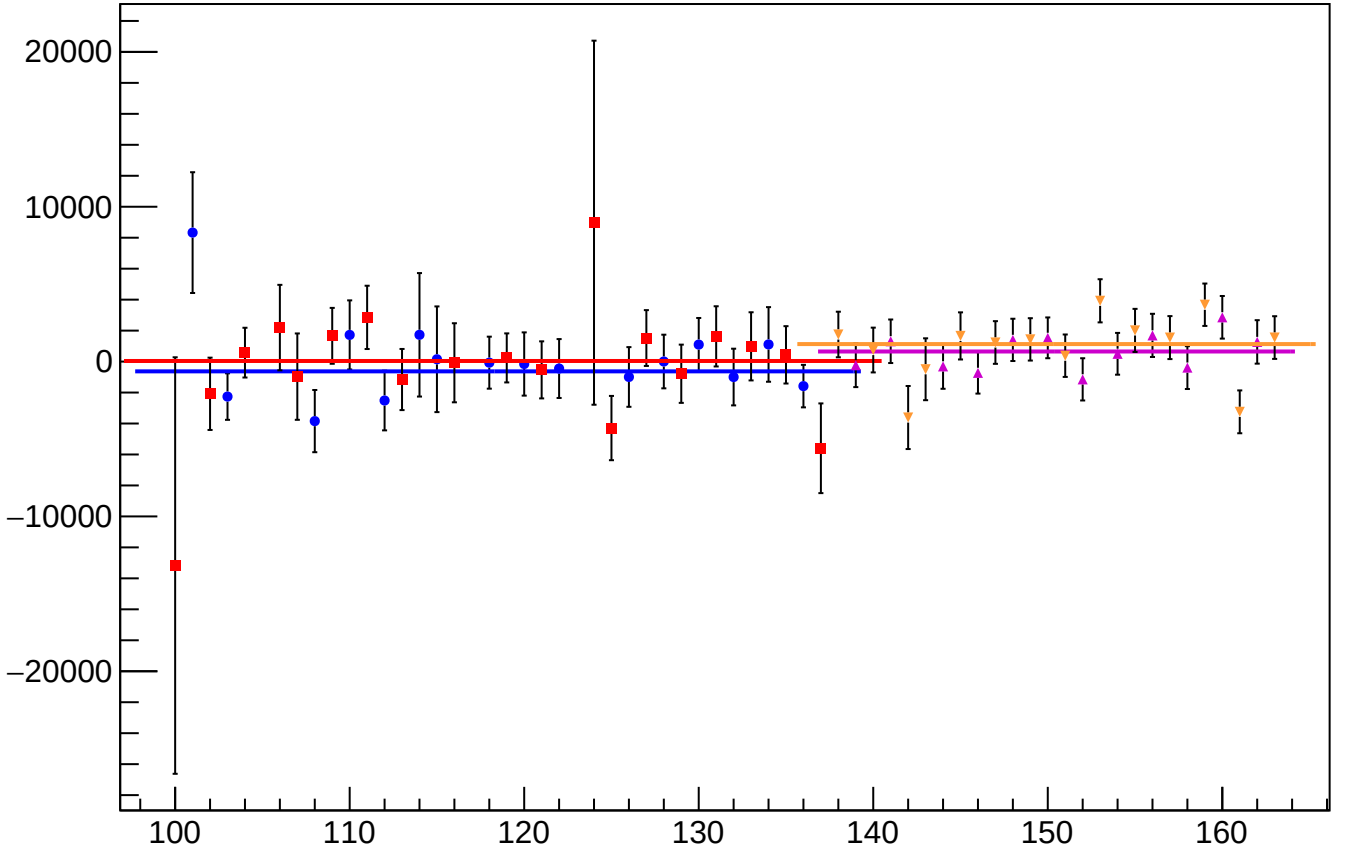
Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

\+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

\- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

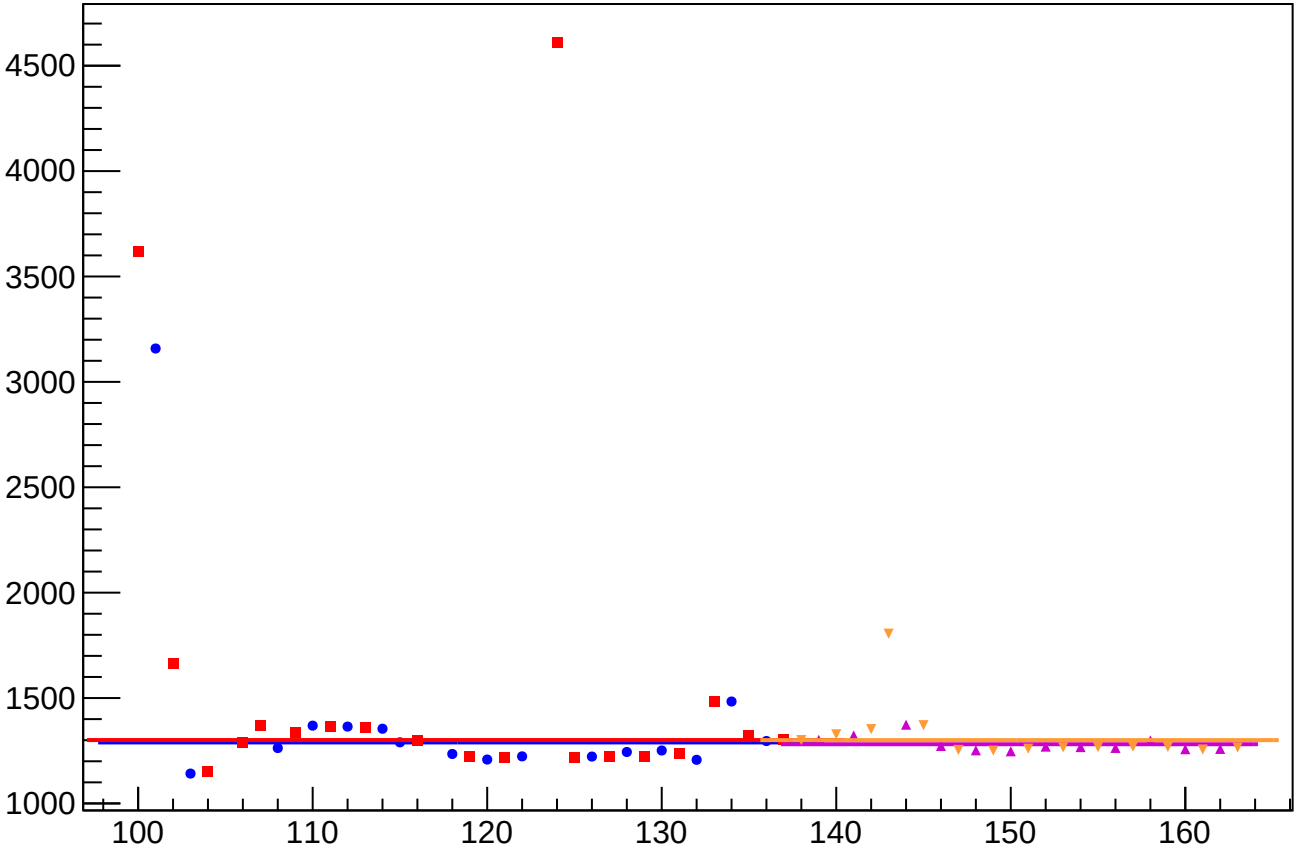
Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

\+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

\- sign 406.676+/-308.469 χ^2/NDF: 25.8/30

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: 1300.311+/-0.275 χ^2/NDF:148646.3/13

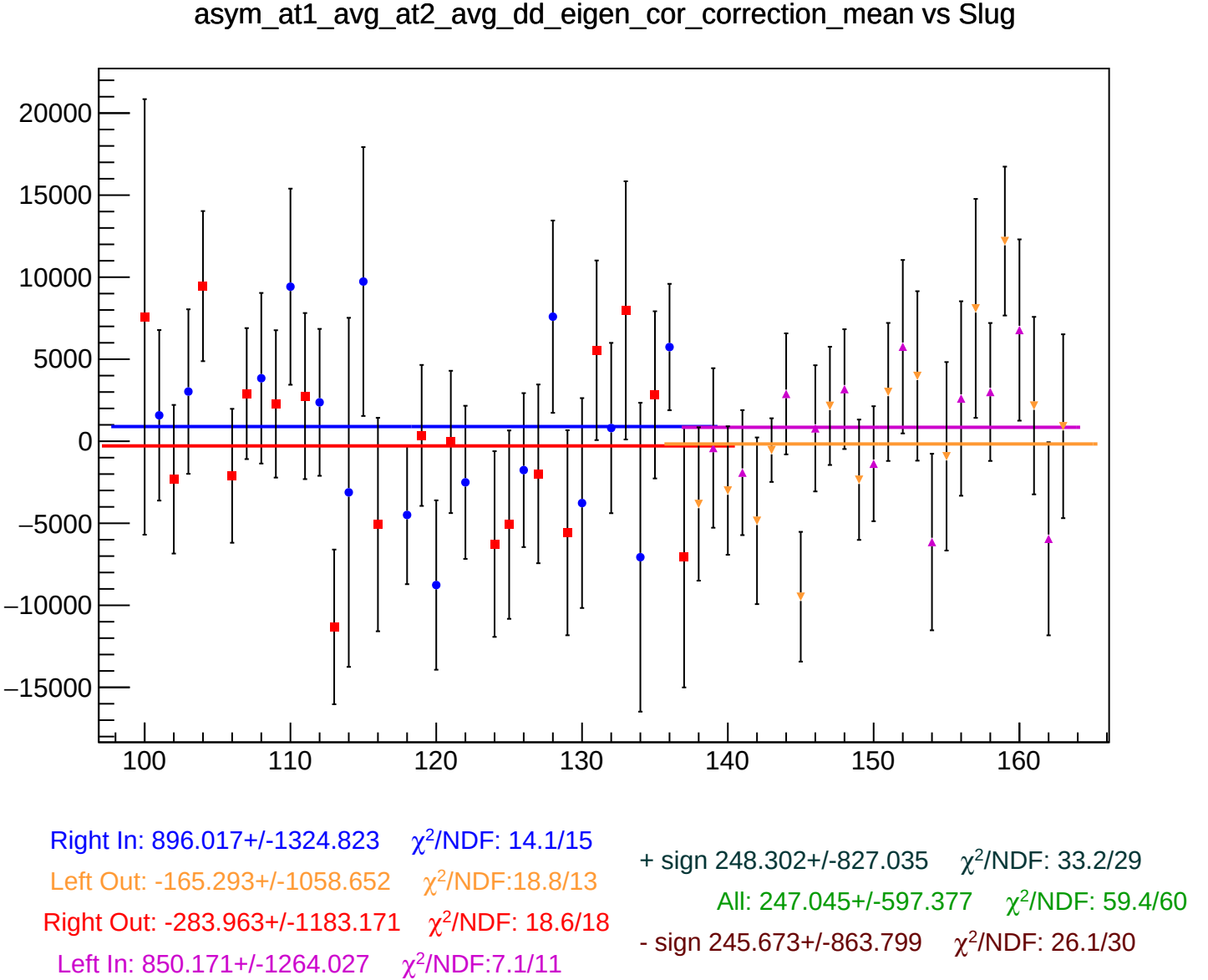
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

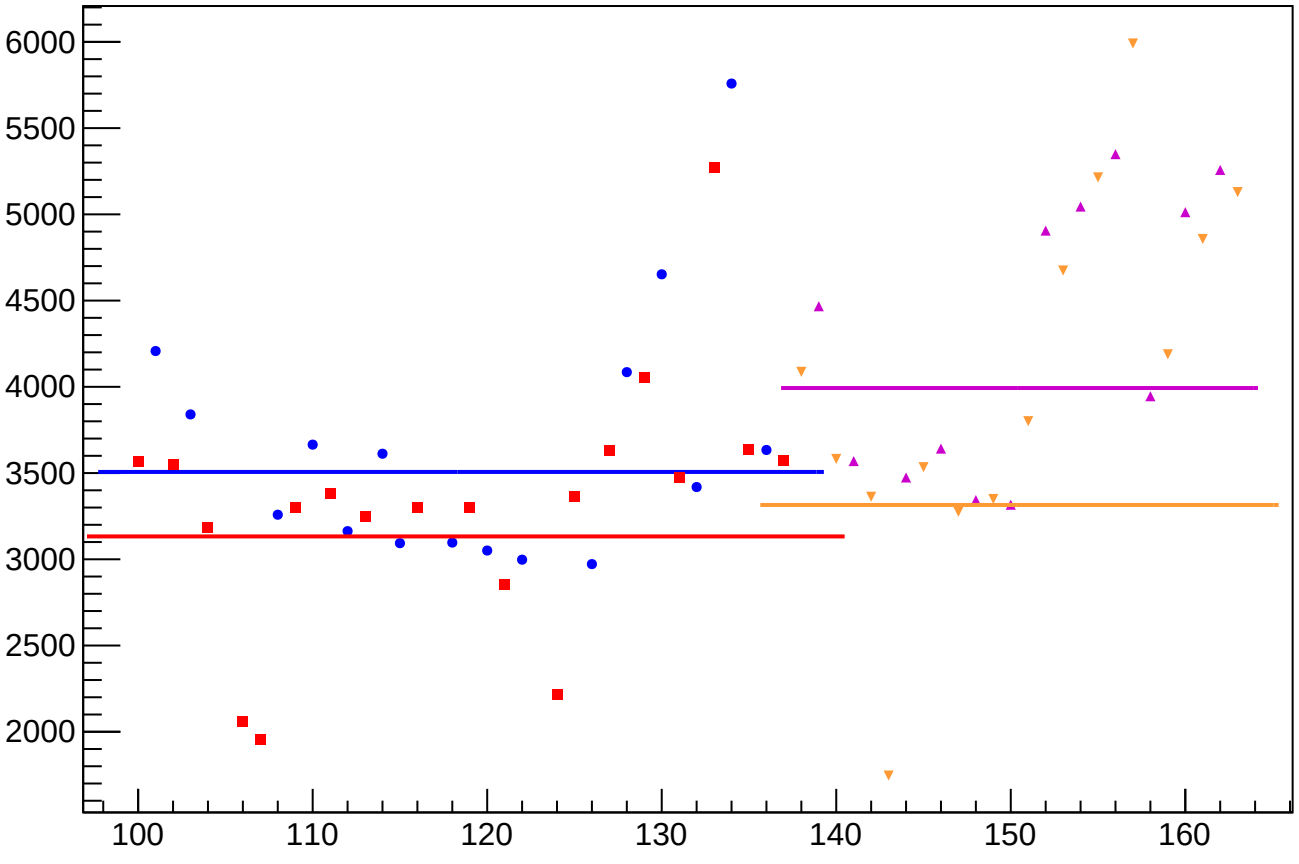
Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 850.171+/-1264.027 χ²/NDF:7.1/11
+ sign 248.302+/-827.035 χ²/NDF: 33.2/29
All: 247.045+/-597.377 χ²/NDF: 59.4/60
- sign 245.673+/-863.799 χ²/NDF: 26.1/30



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

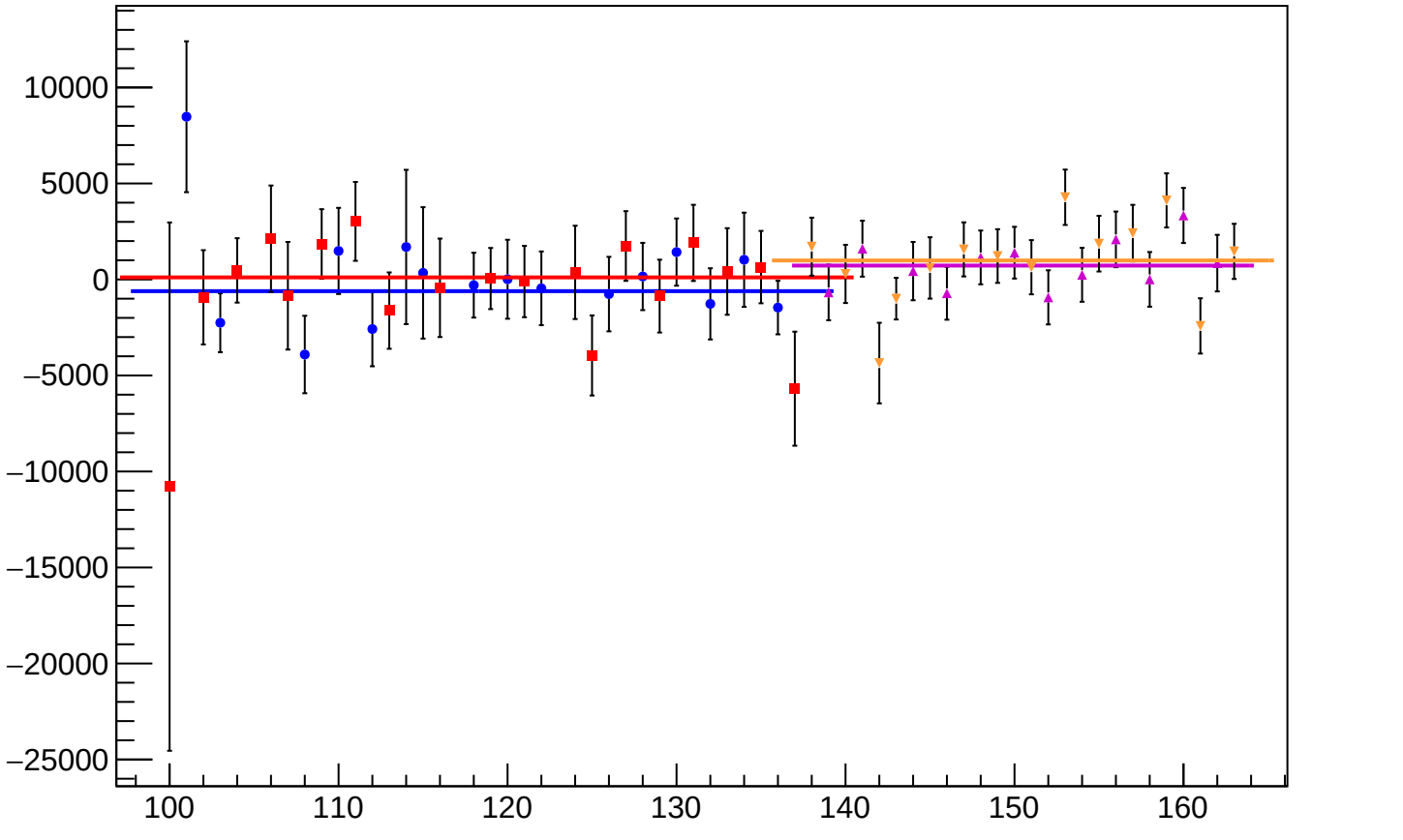
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

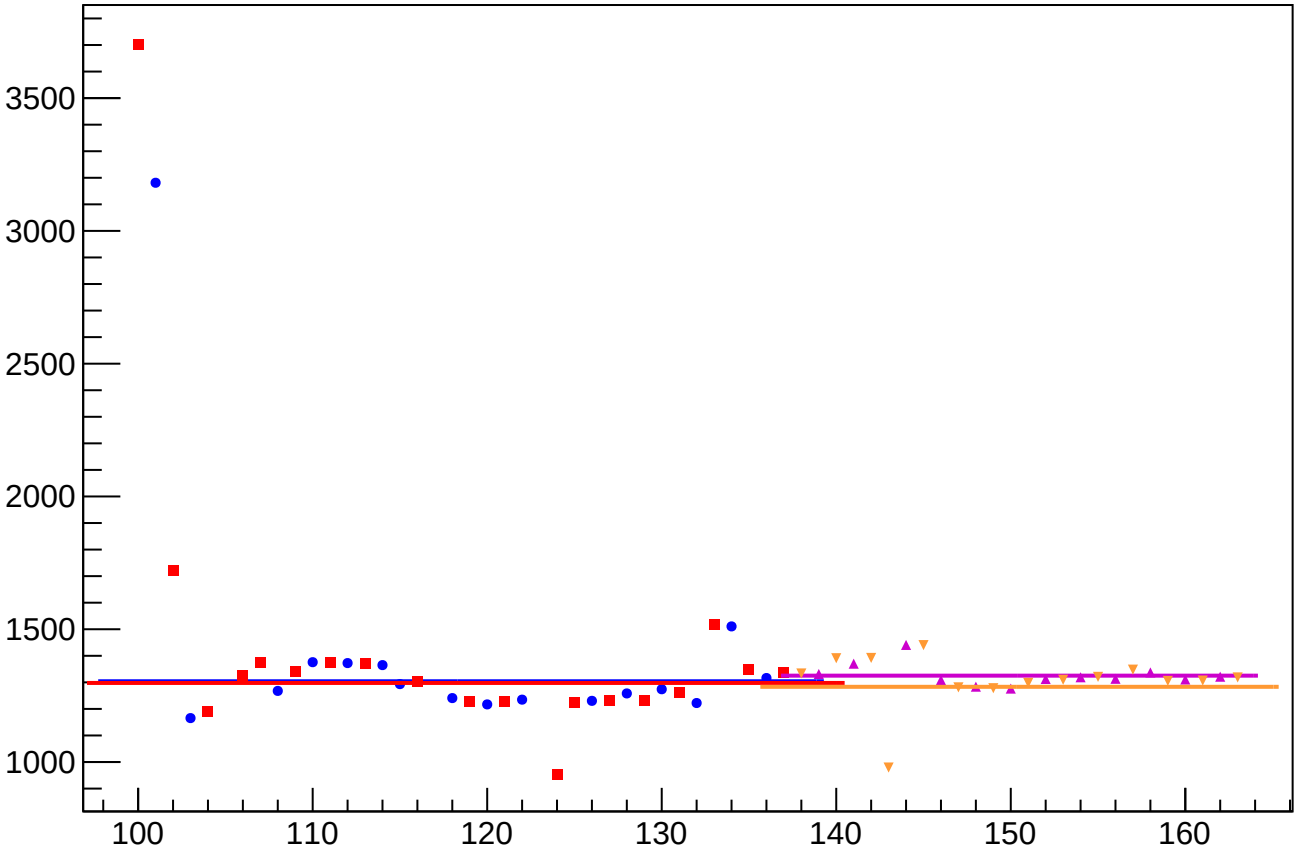
Left In: 723.521+/-411.888 χ^2/NDF:8.7/11

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 424.956+/-218.329 χ^2/NDF: 72.9/60

- sign 466.203+/-314.099 χ^2/NDF: 24.5/30

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

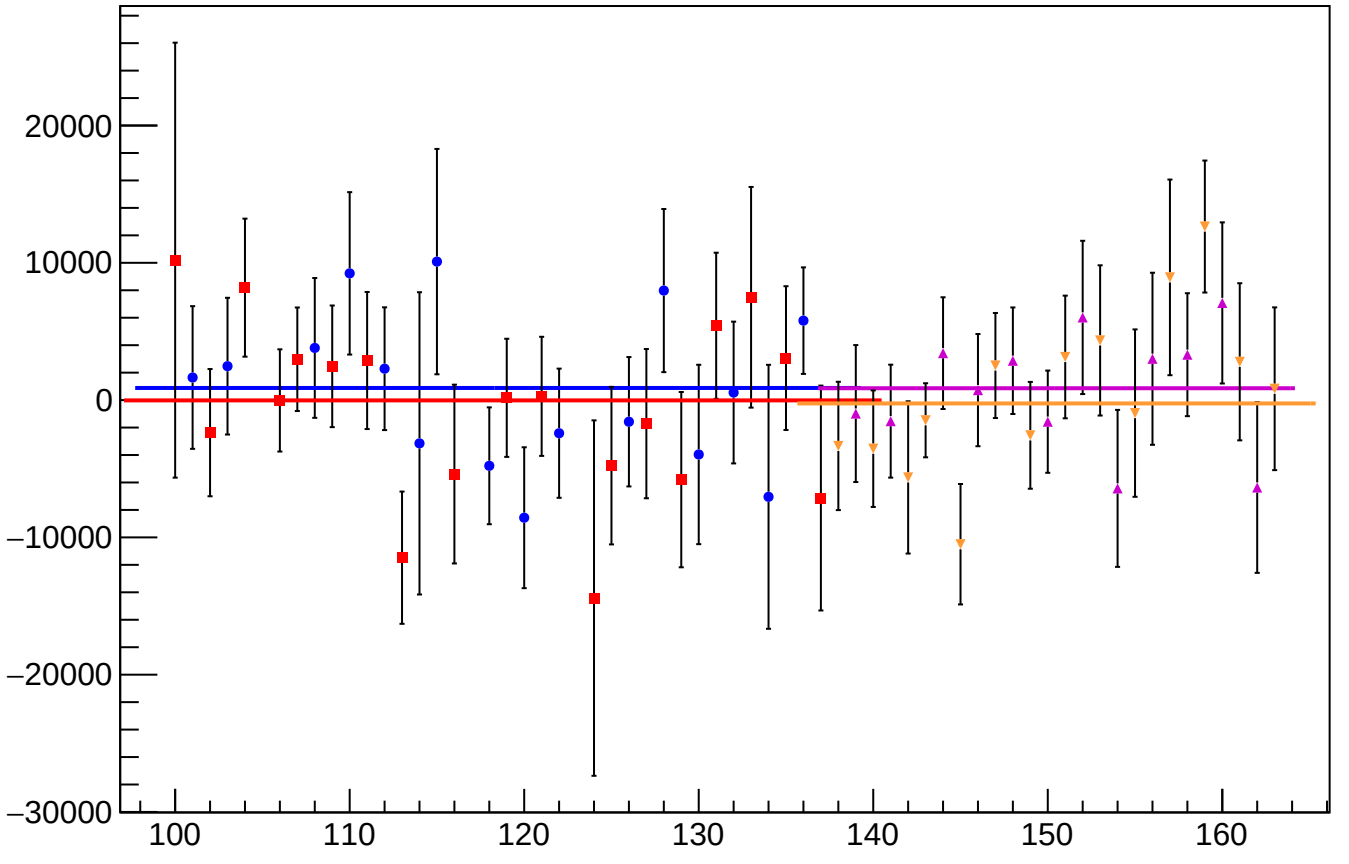
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60

- sign 1313.760+/-0.222 χ^2/NDF: 235741.9/30



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -243.884+/-1203.871 χ^2/NDF:19.0/13

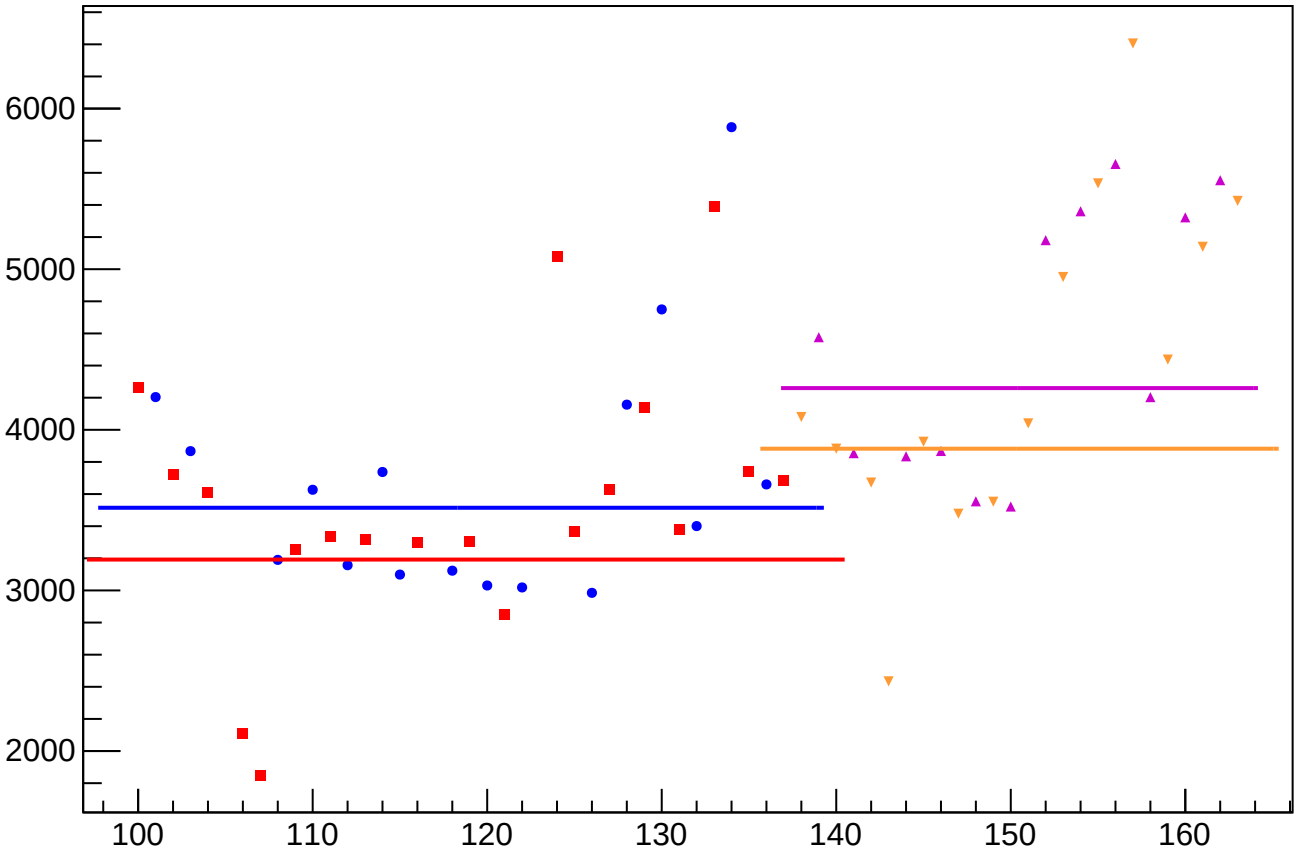
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.089 χ^2/NDF:6.9/11

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

- sign 370.832+/-896.042 χ^2/NDF: 24.0/30



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

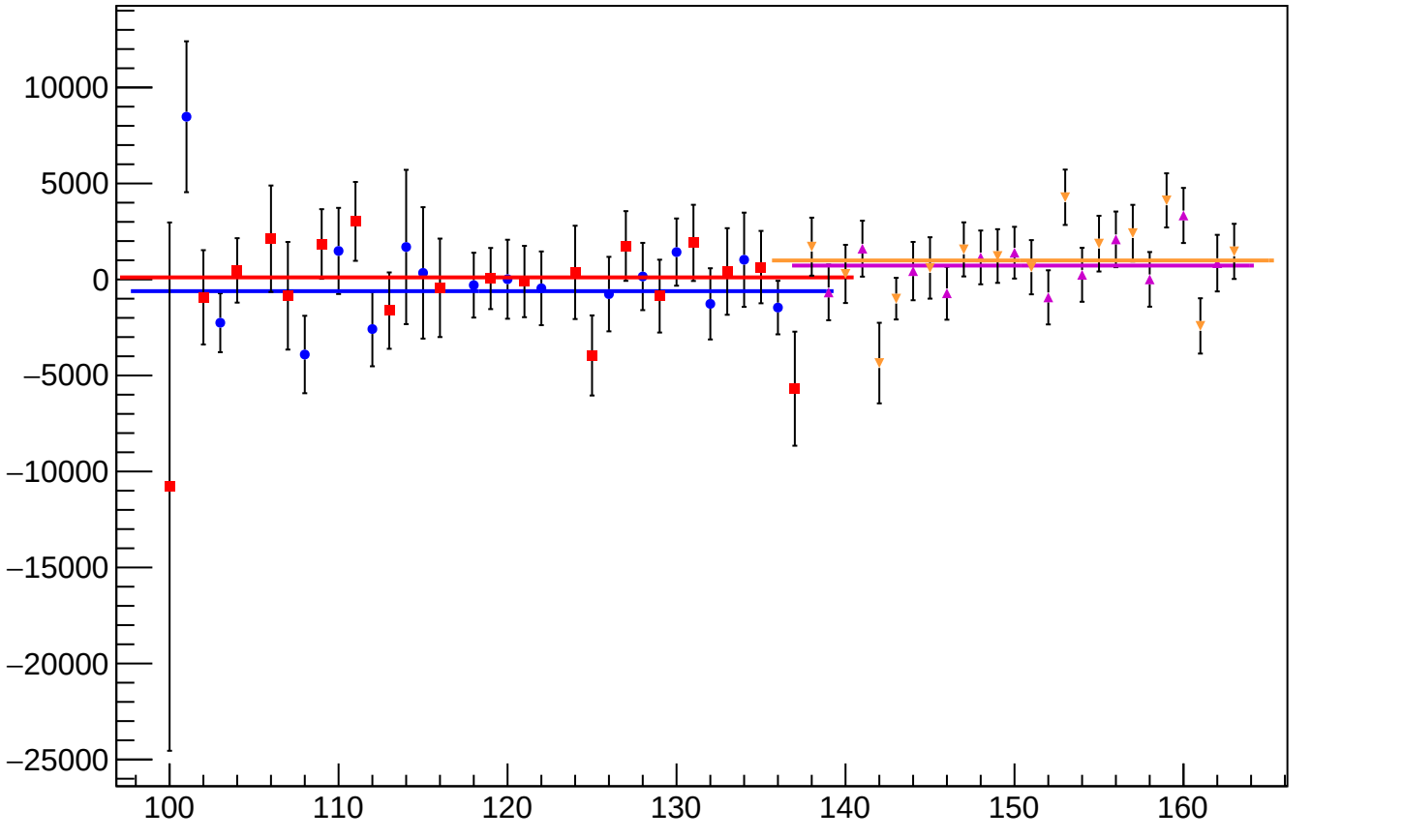
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60

- sign 3664.550+/-0.634 χ^2/NDF: 2065325.5/30



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

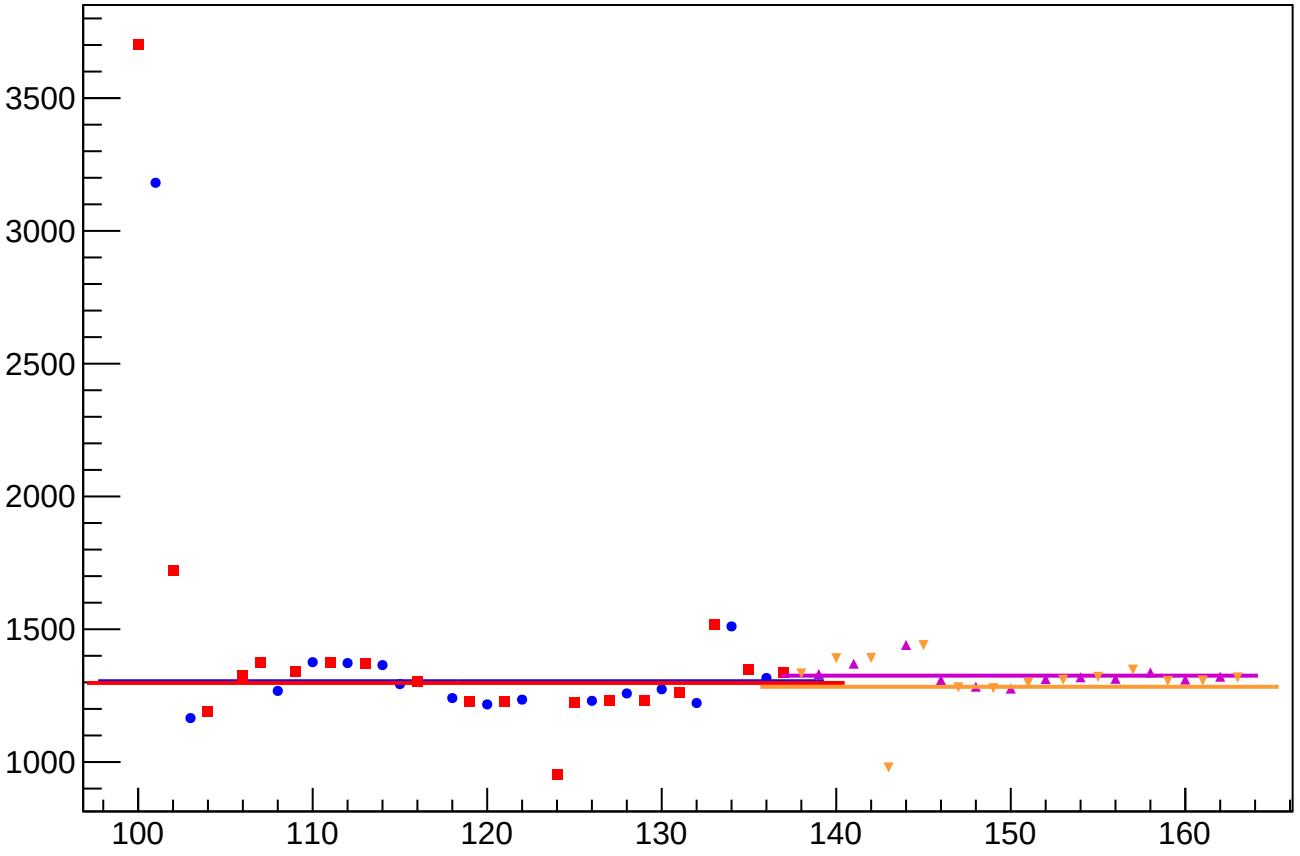
Left In: 723.521+/-411.889 χ^2/NDF:8.7/11

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 424.957+/-218.329 χ^2/NDF: 72.9/60

- sign 466.205+/-314.099 χ^2/NDF: 24.5/30

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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

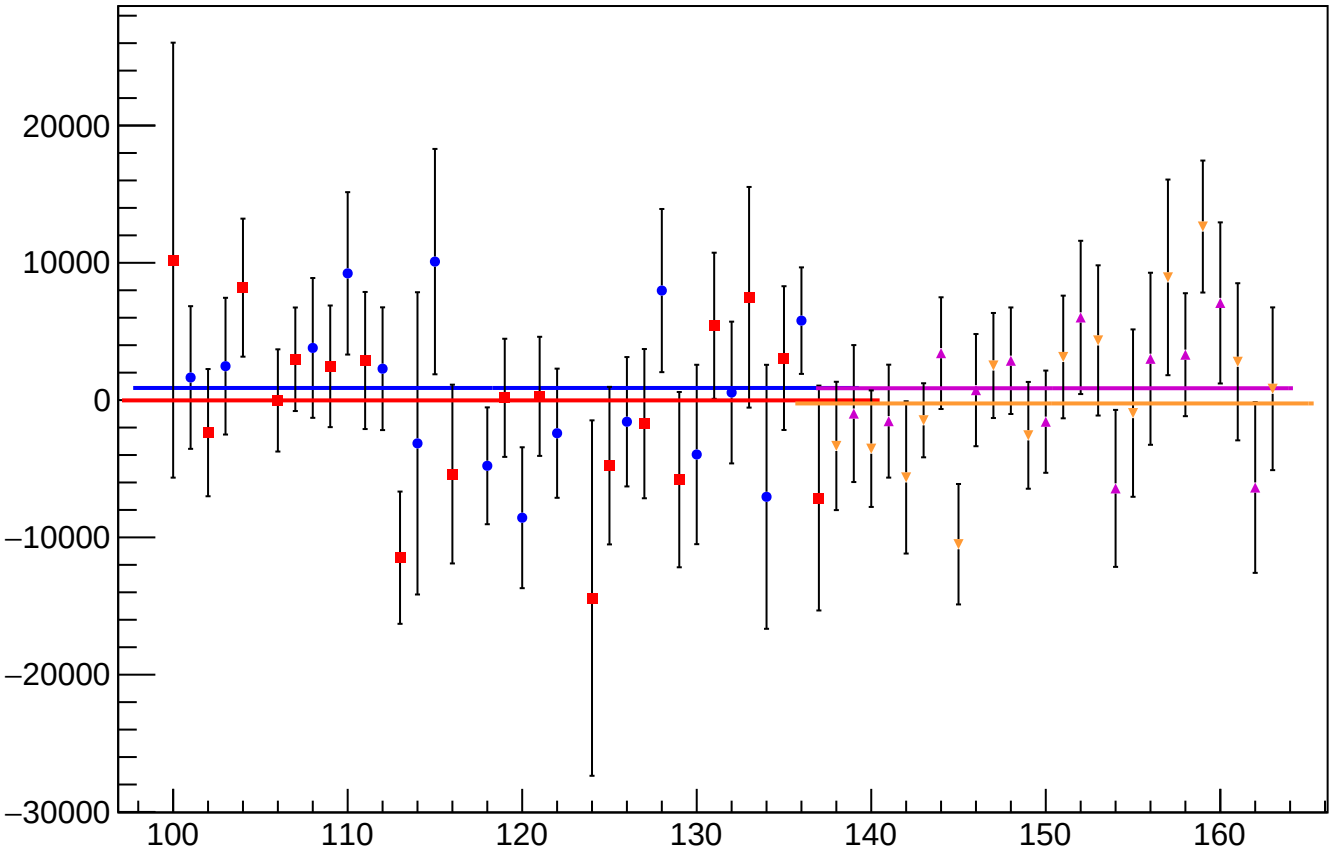
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60

- sign 1313.761+/-0.222 χ^2/NDF: 235742.4/30



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -243.880+/-1203.873 χ^2/NDF:19.0/13

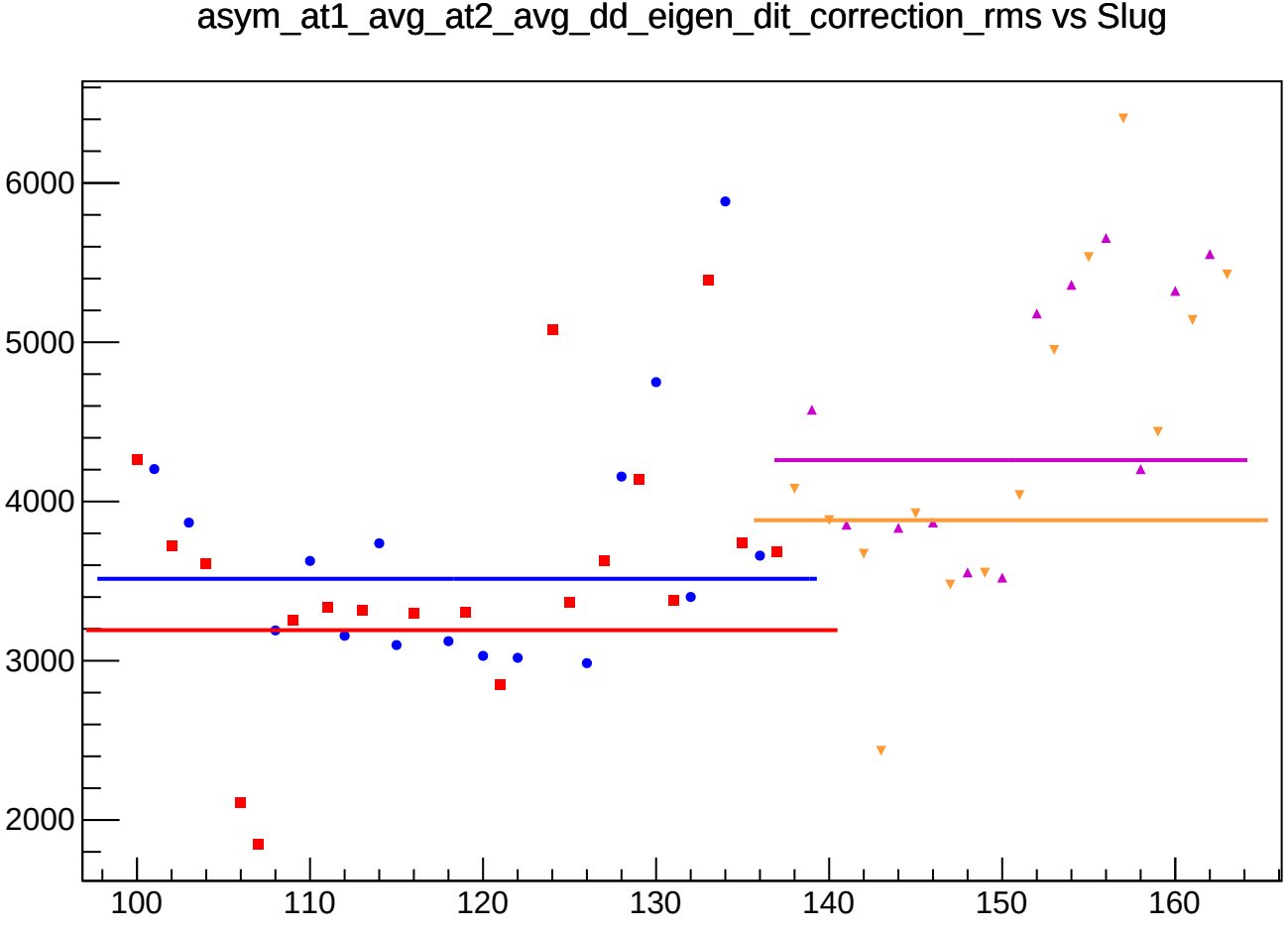
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.090 χ^2/NDF:6.9/11

\+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

\- sign 370.832+/-896.041 χ^2/NDF: 24.0/30



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

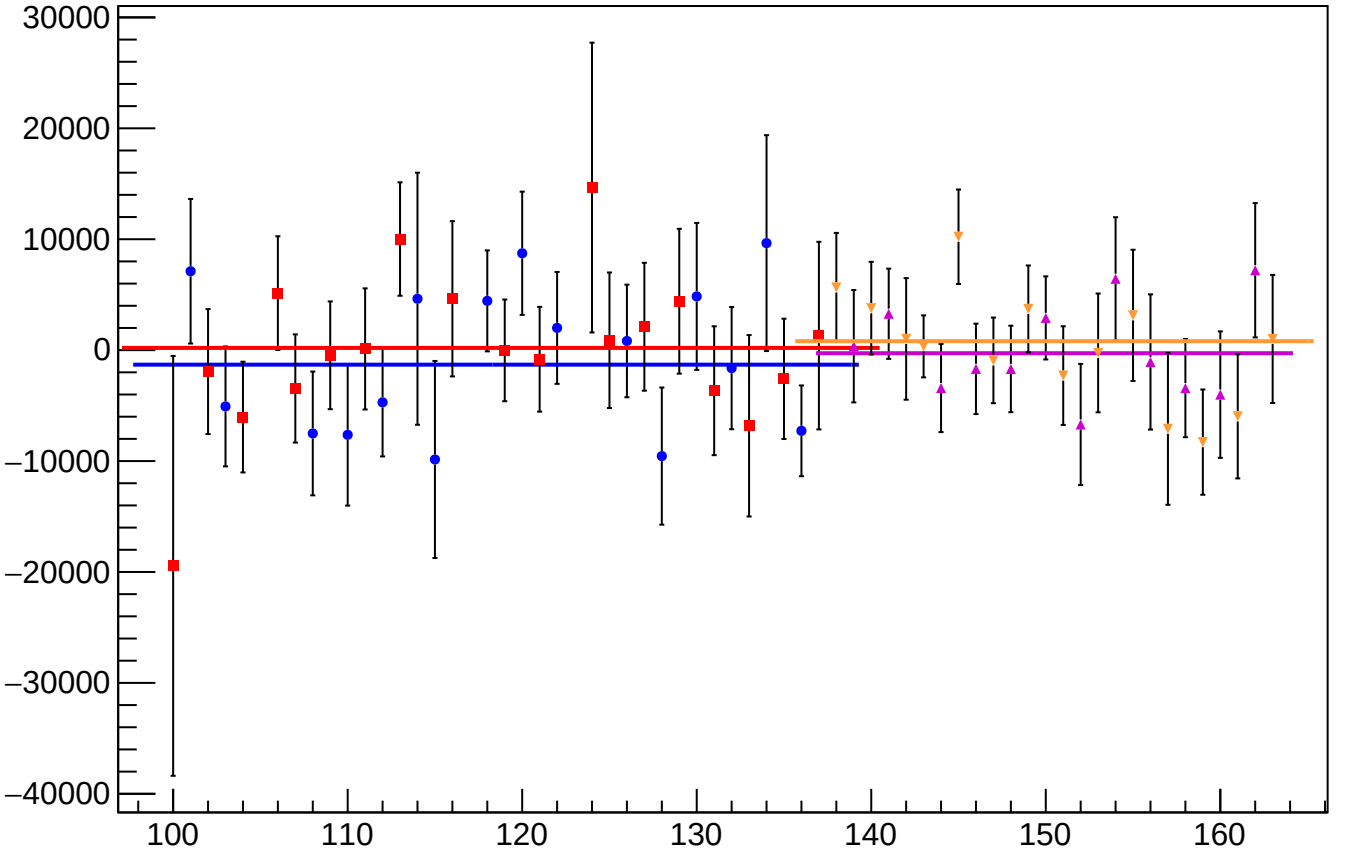
Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60

- sign 3664.546+/-0.634 χ^2/NDF: 2065346.7/30

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

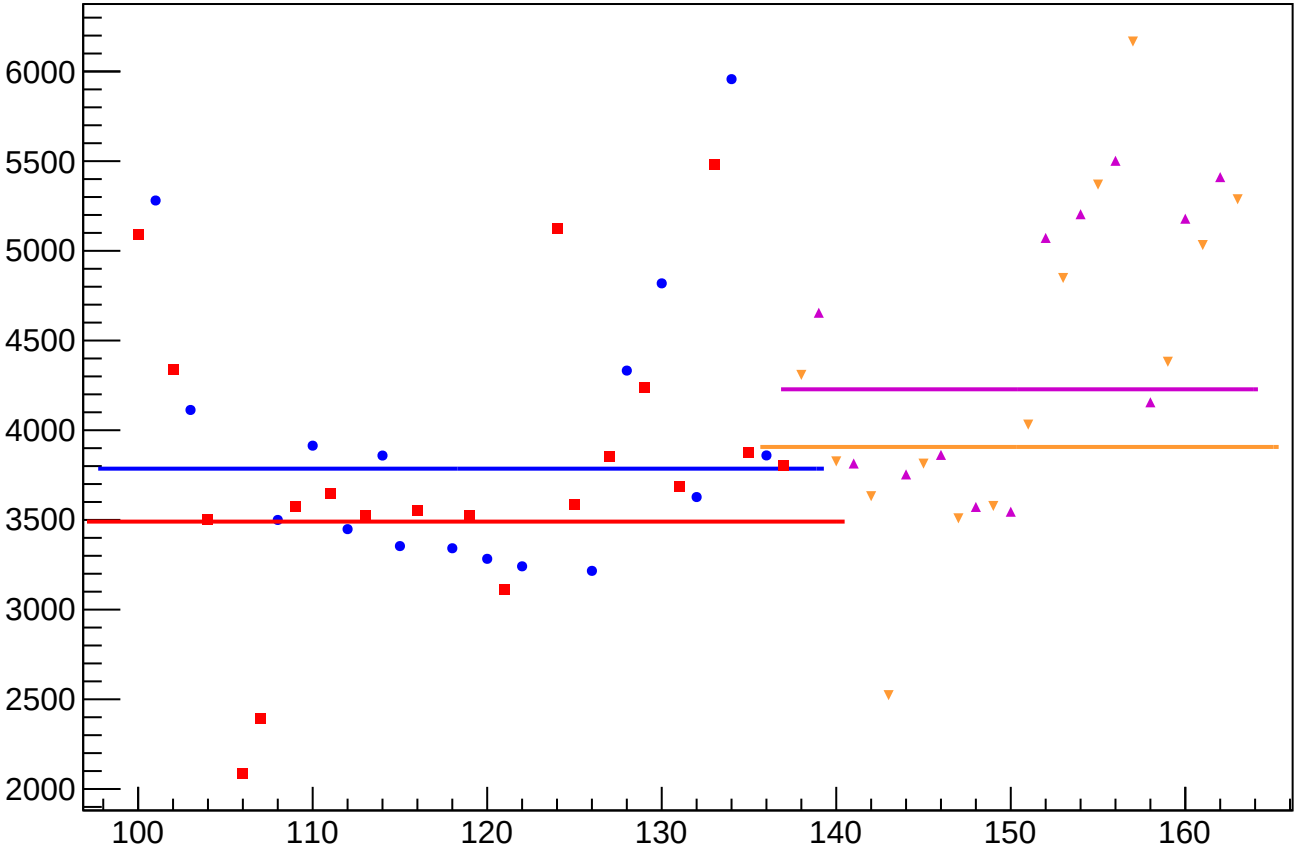
Left In: -277.474+/-1334.091 χ^2/NDF:7.7/11

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -54.318+/-659.523 χ^2/NDF: 52.6/60

- sign -38.294+/-944.041 χ^2/NDF: 19.4/30

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

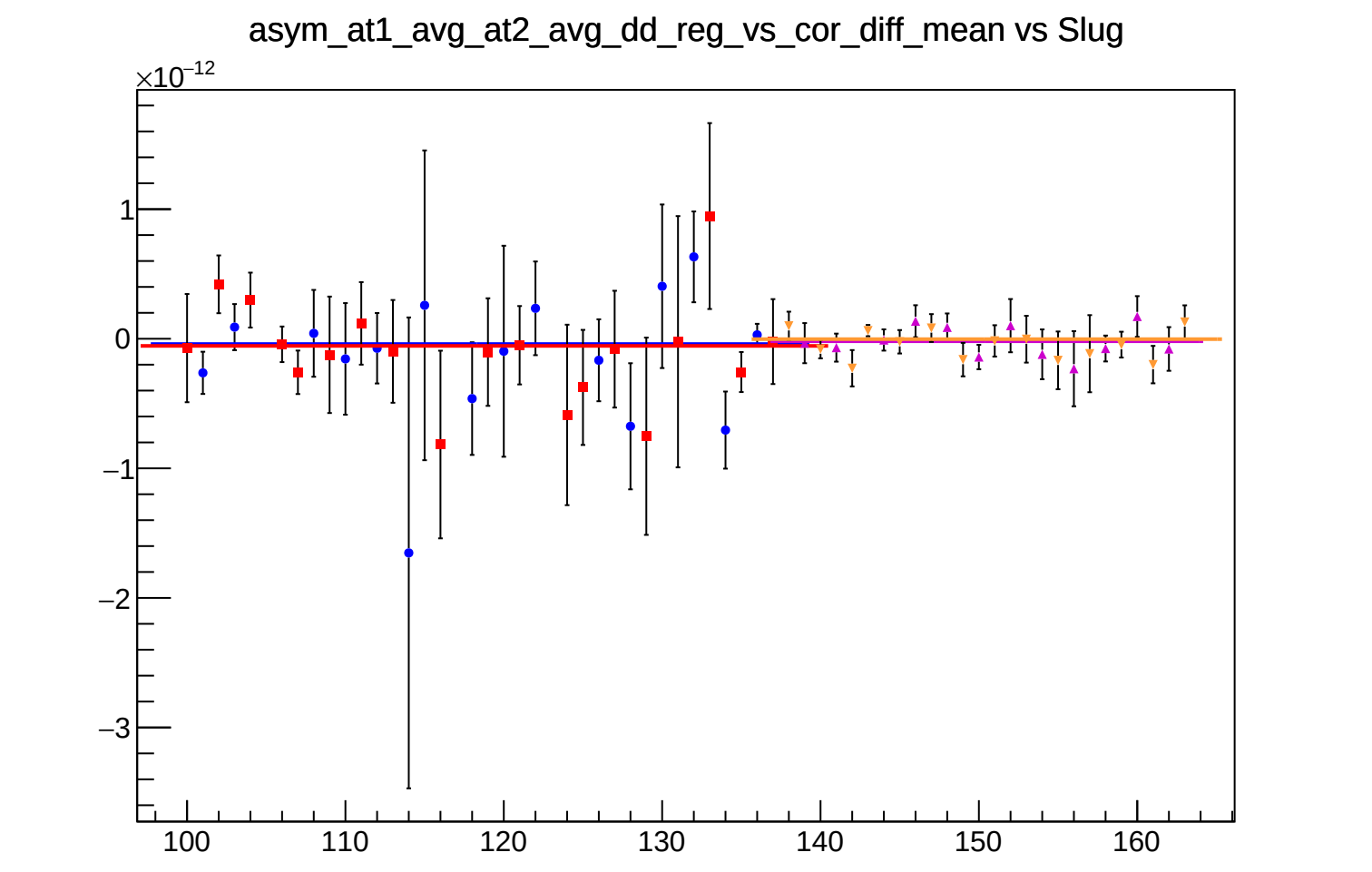
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60

- sign 3854.839+/-0.663 χ^2/NDF: 1427930.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

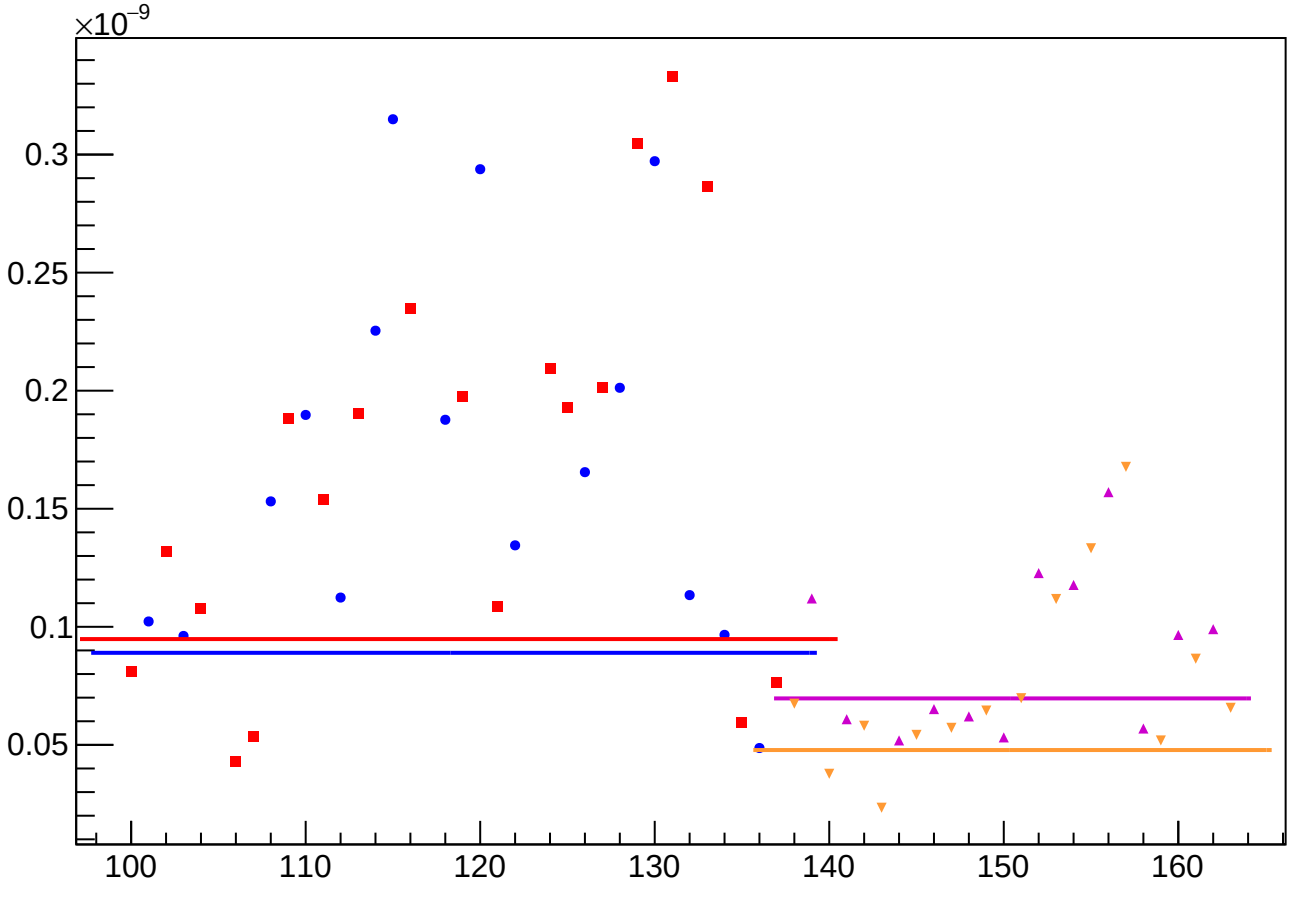
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 53.7/60

- sign -0.000+/-0.000 χ^2/NDF: 23.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

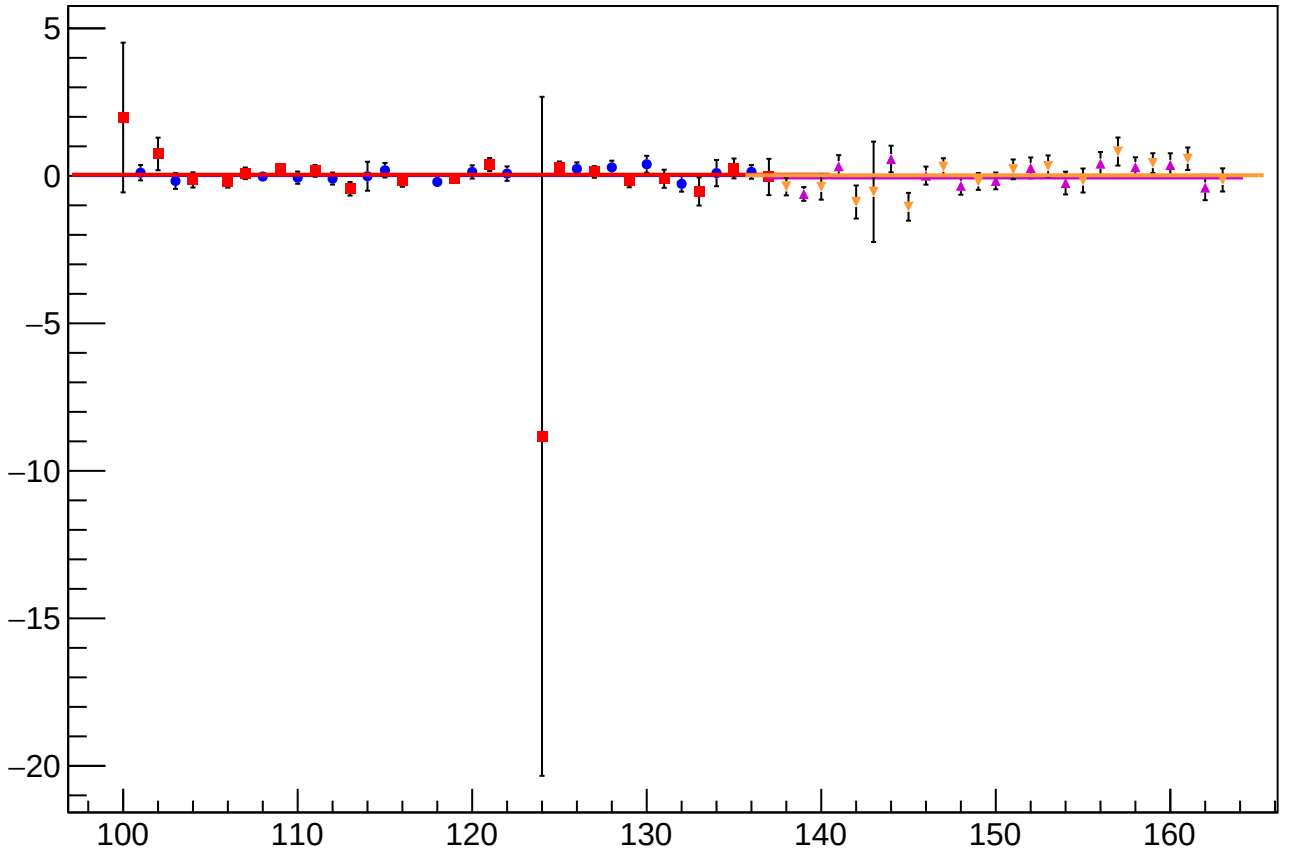
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922975.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7655894.5/60

- sign 0.000+/-0.000 χ^2/NDF: 2892605.0/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

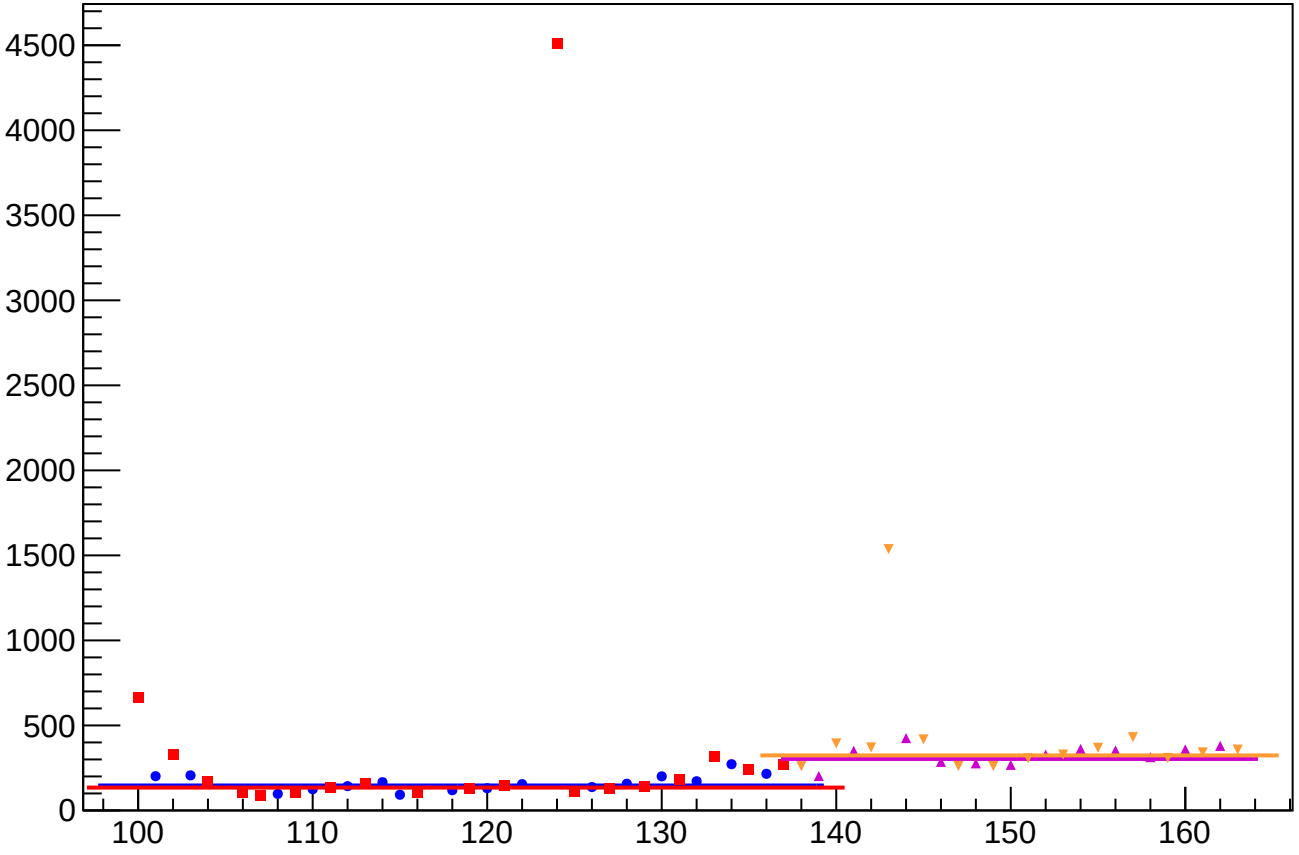
Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

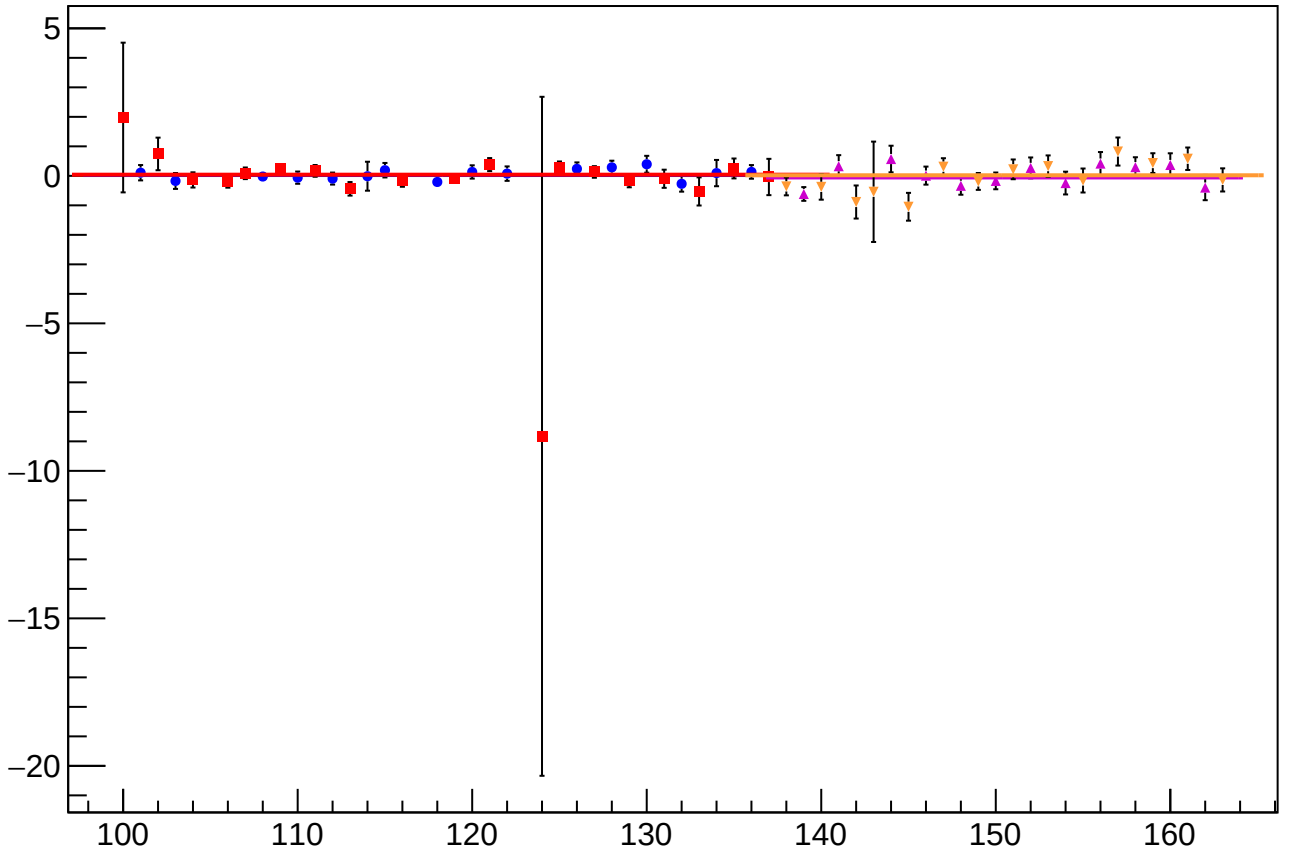
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

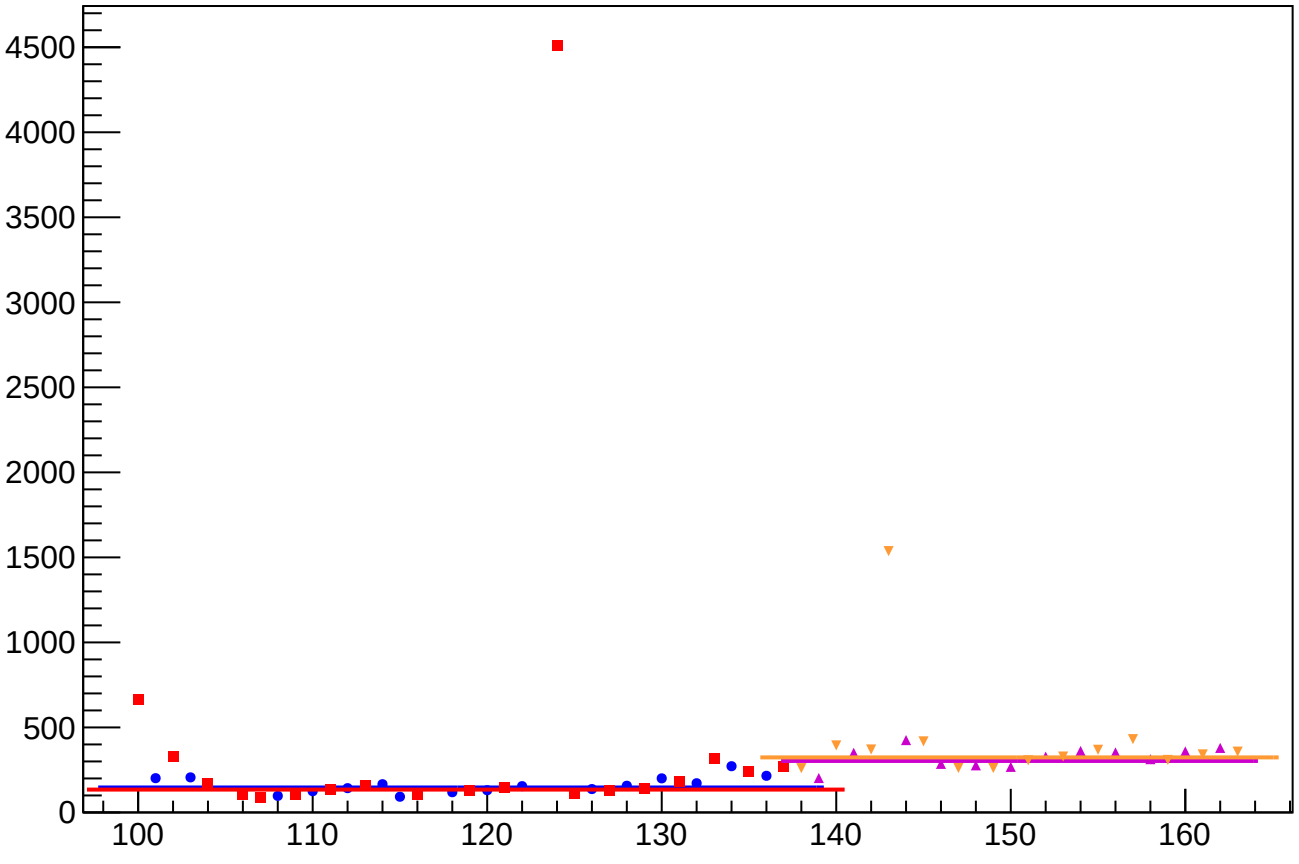
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

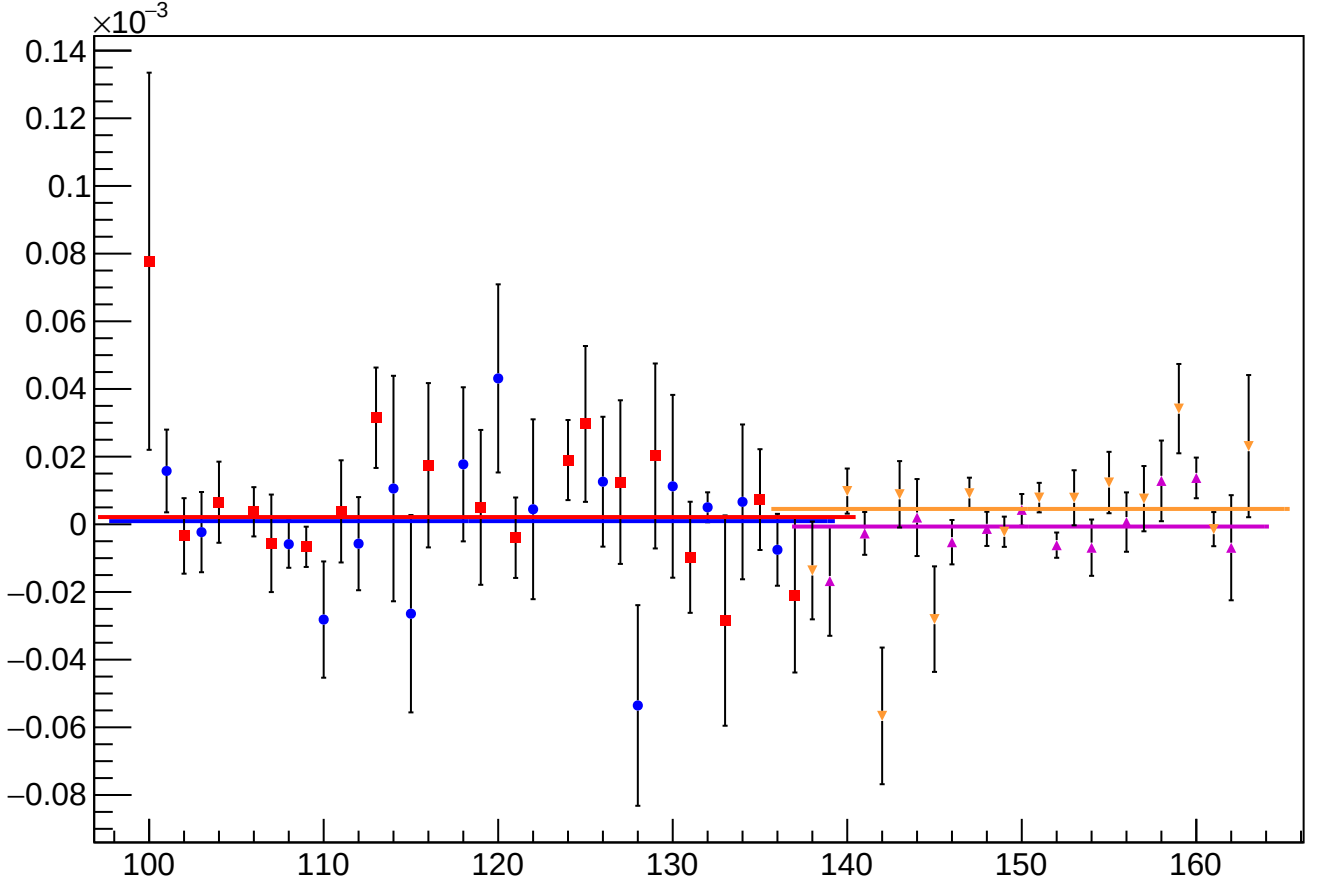
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

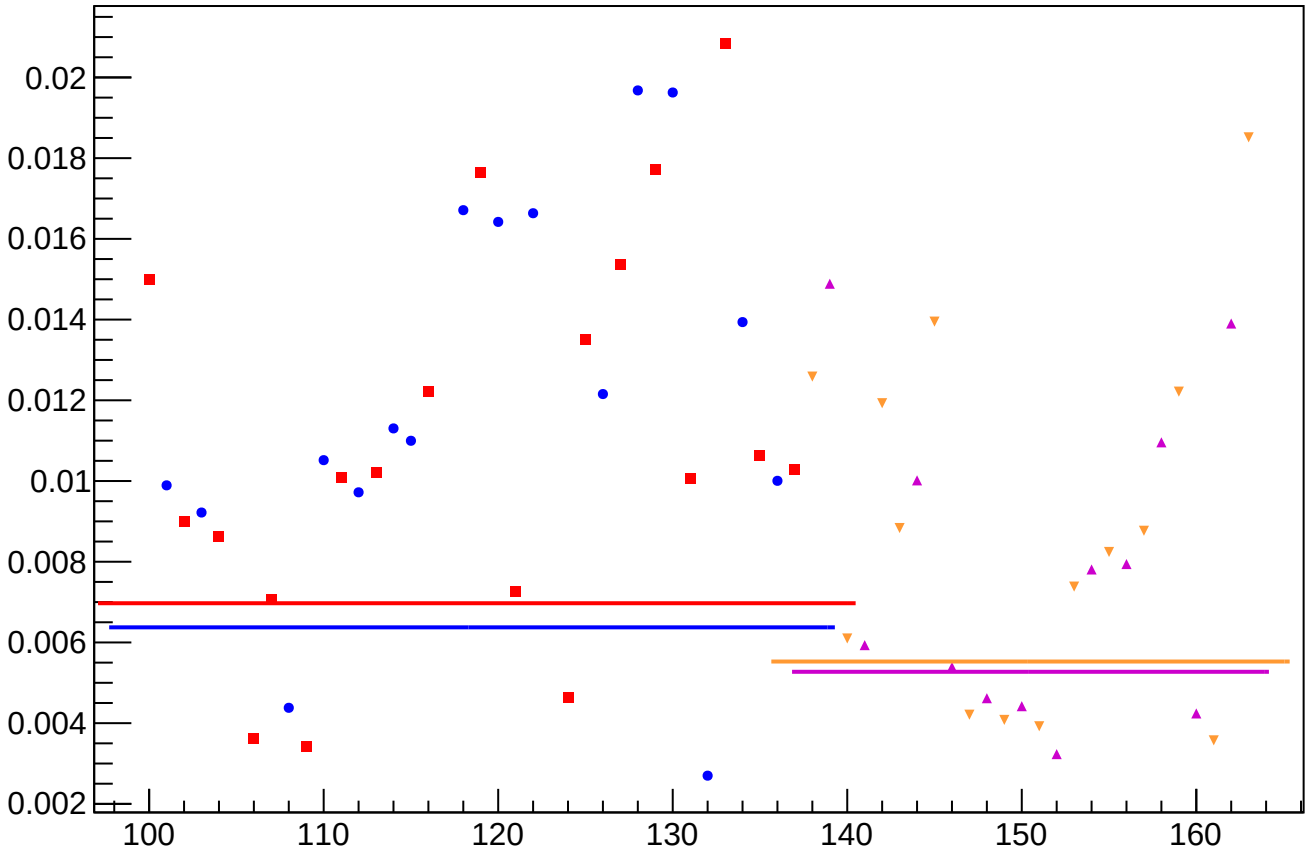
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/60

- sign 0.000+/-0.000 χ^2/NDF: 29.4/30



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

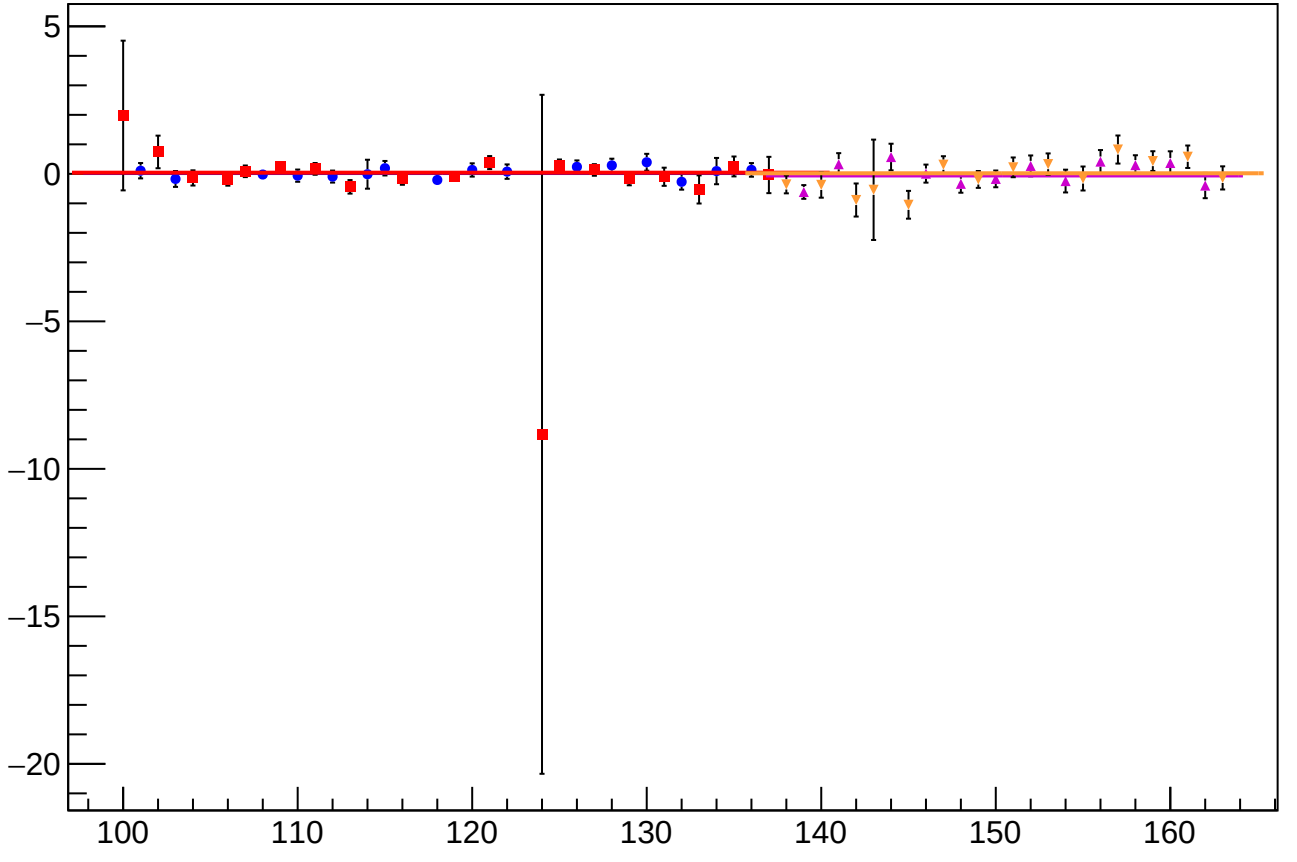
Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

- sign 0.006+/-0.000 χ^2/NDF: 7141849.9/30

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

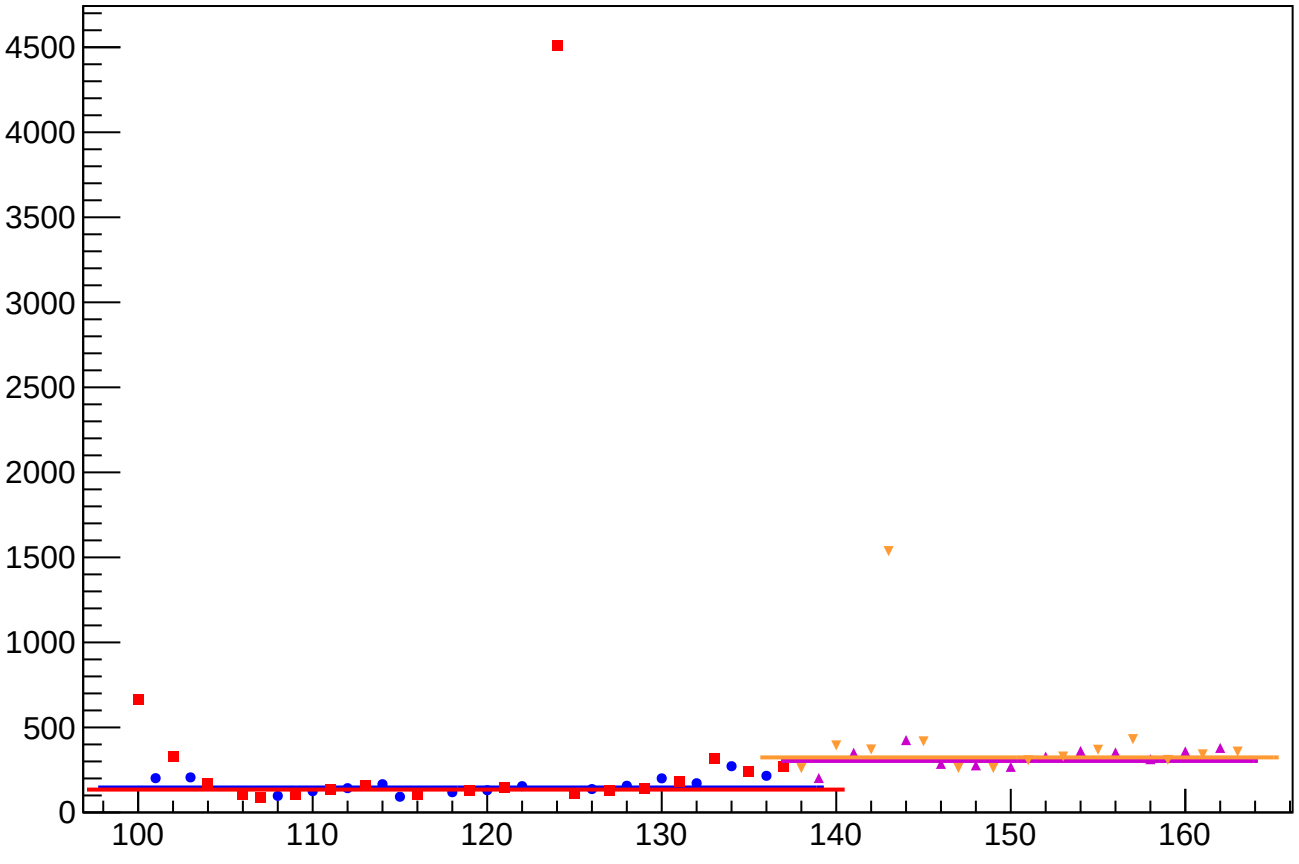
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 323.717+/-0.071 χ^2/NDF:1595999.4/13

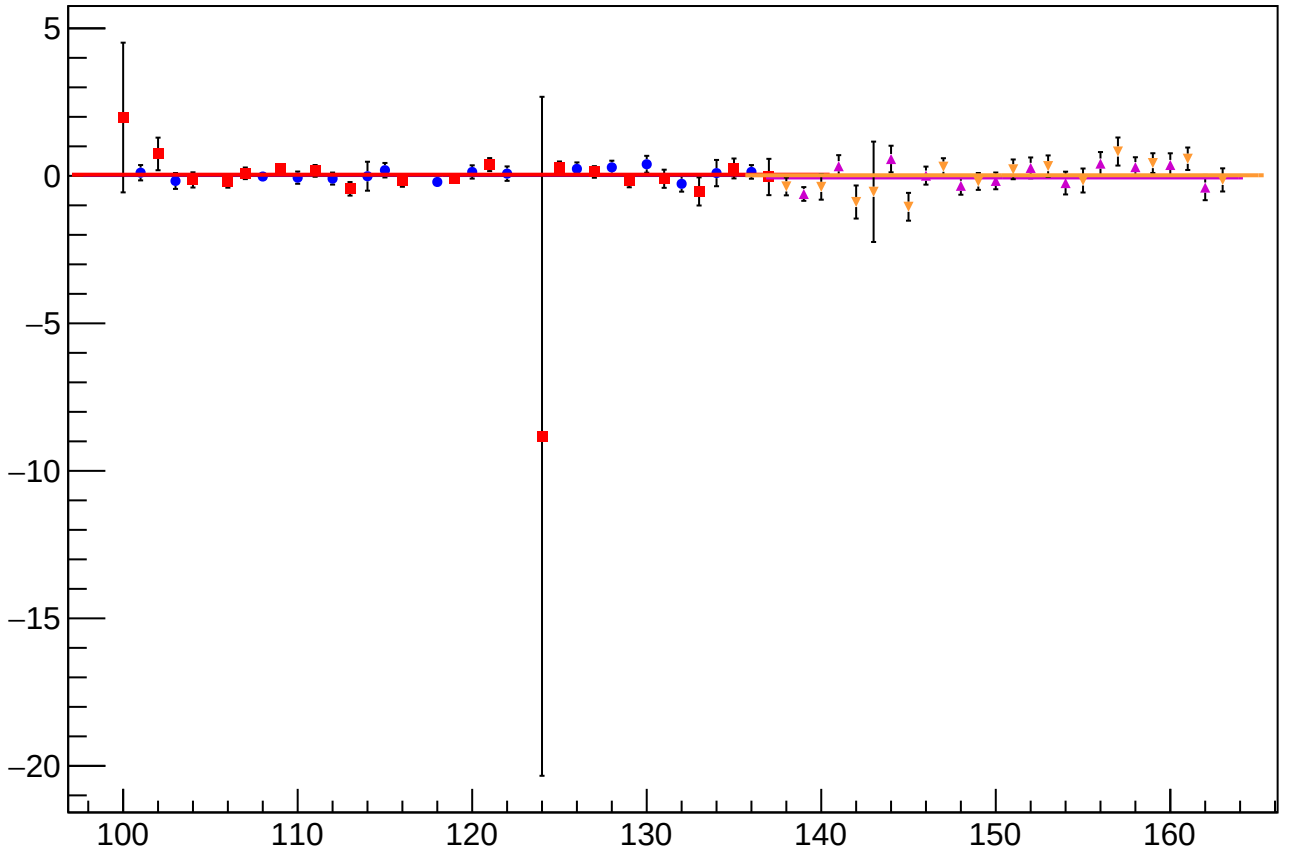
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

- sign 175.278+/-0.034 χ^2/NDF: 6982546.0/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

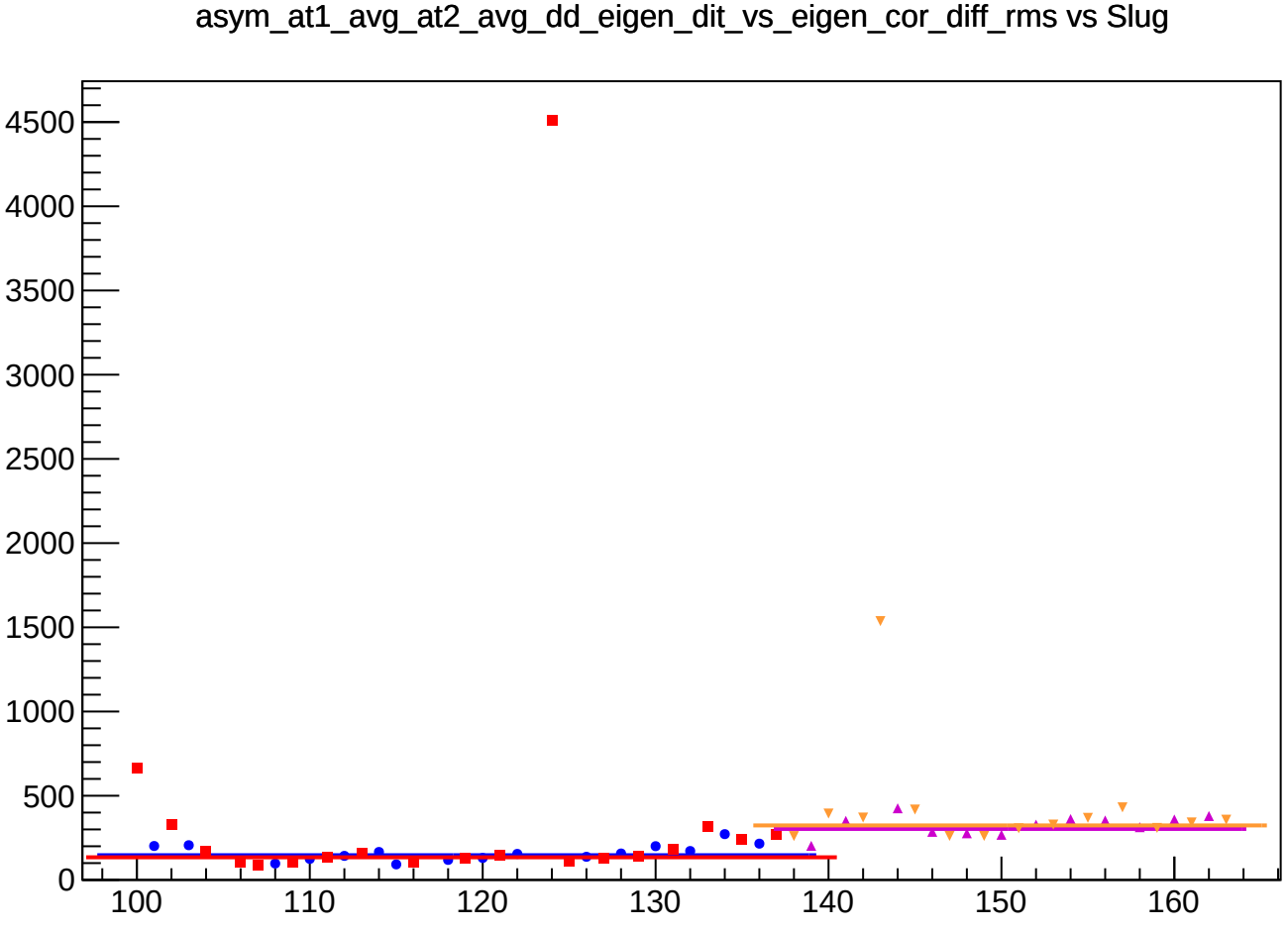
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 323.717+/-0.071 χ^2/NDF:1595999.4/13

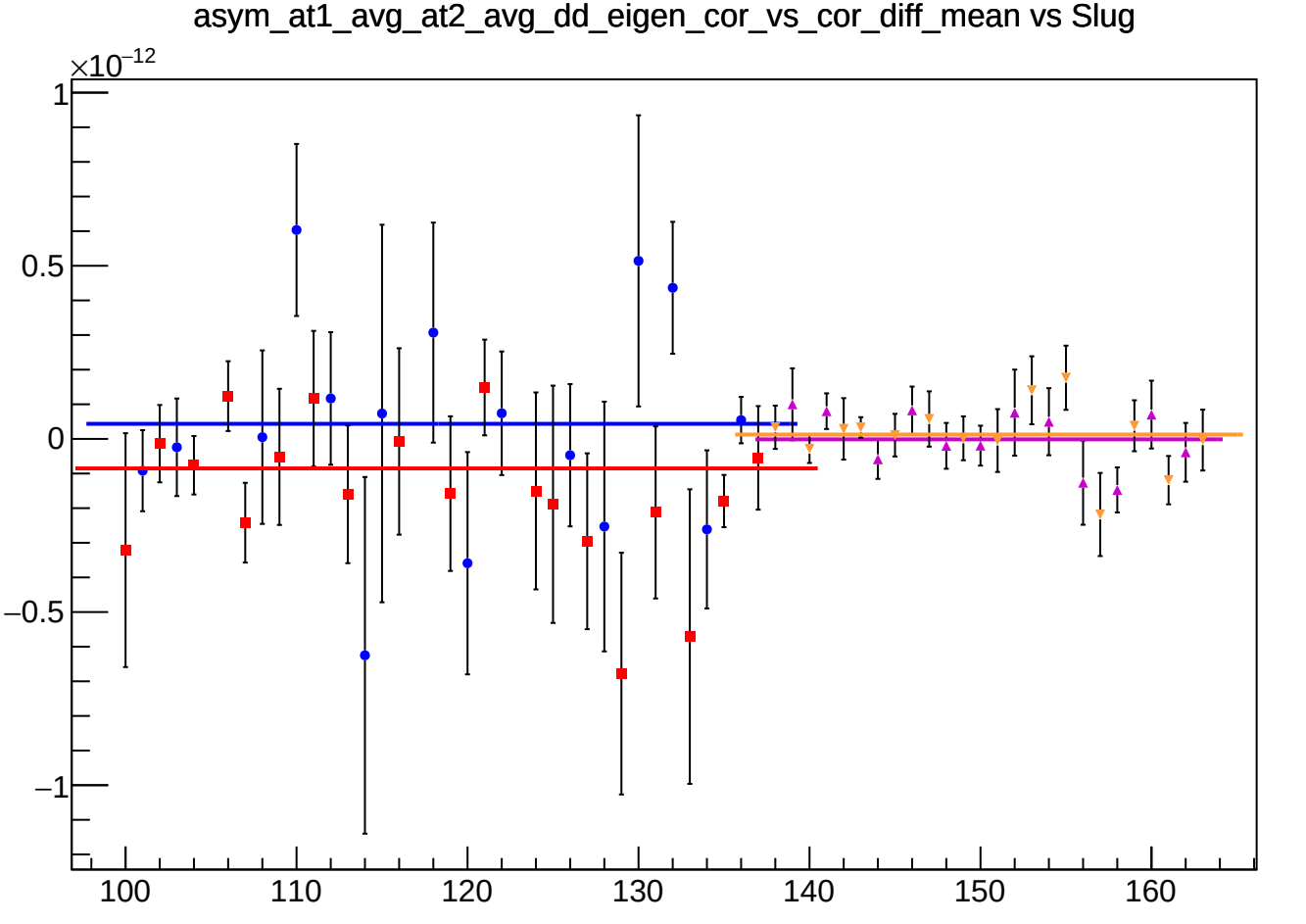
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

- sign 175.278+/-0.034 χ^2/NDF: 6982546.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

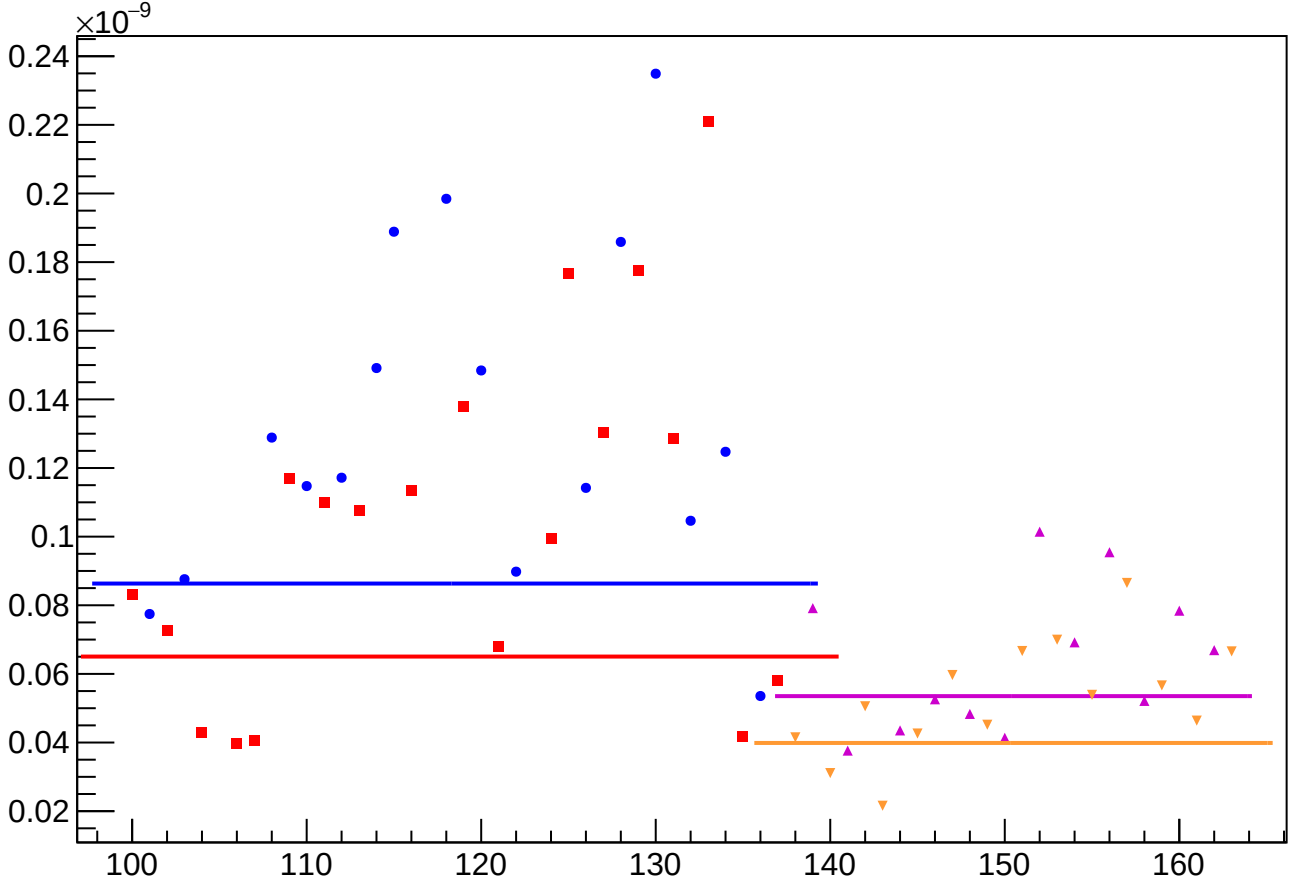
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 72.9/60

- sign -0.000+/-0.000 χ^2/NDF: 36.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

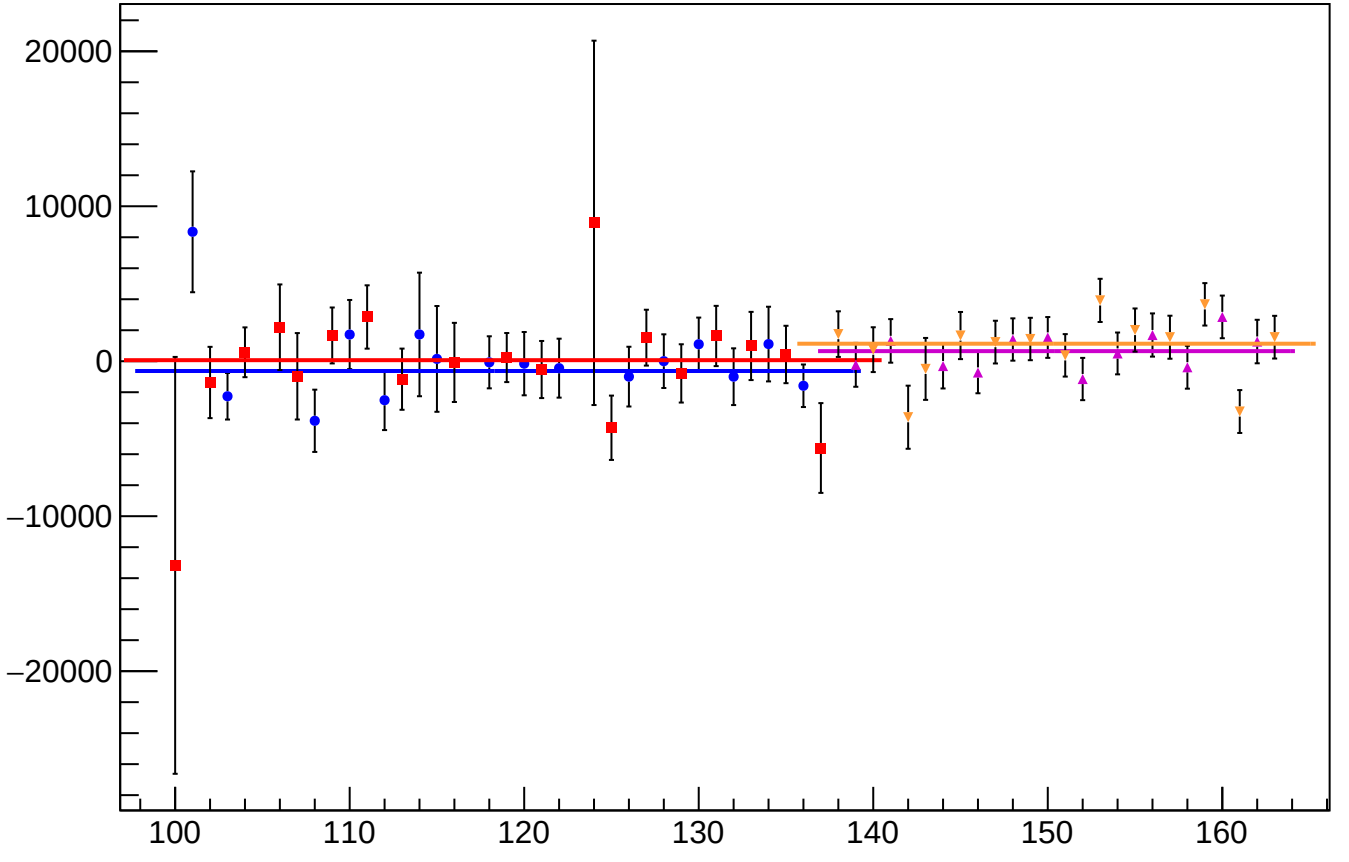
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3566079.8/30

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

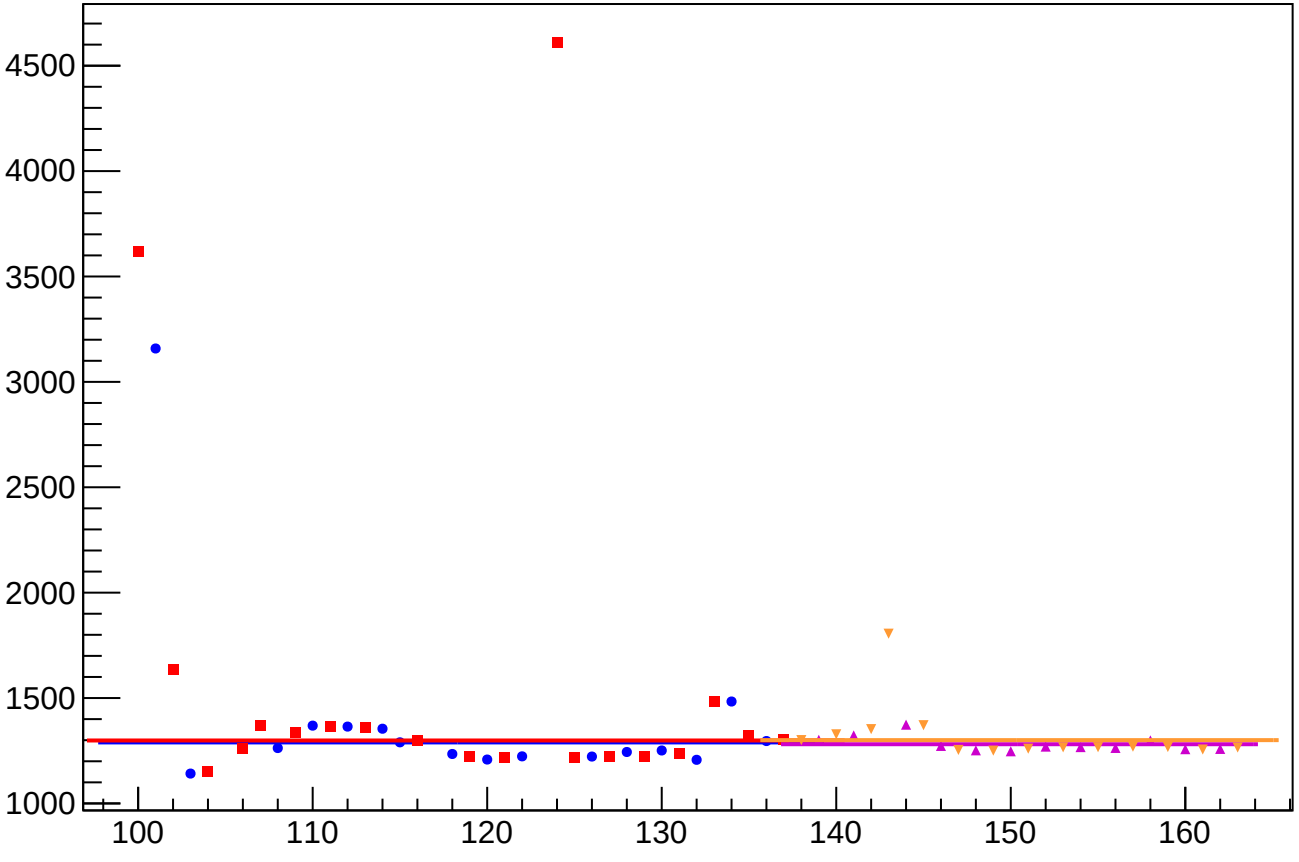
Left In: 651.480+/-398.041 χ^2/NDF:8.5/11

+ sign 445.887+/-304.613 χ^2/NDF: 46.7/29

All: 432.162+/-216.716 χ^2/NDF: 72.0/60

- sign 418.096+/-308.387 χ^2/NDF: 25.2/30

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

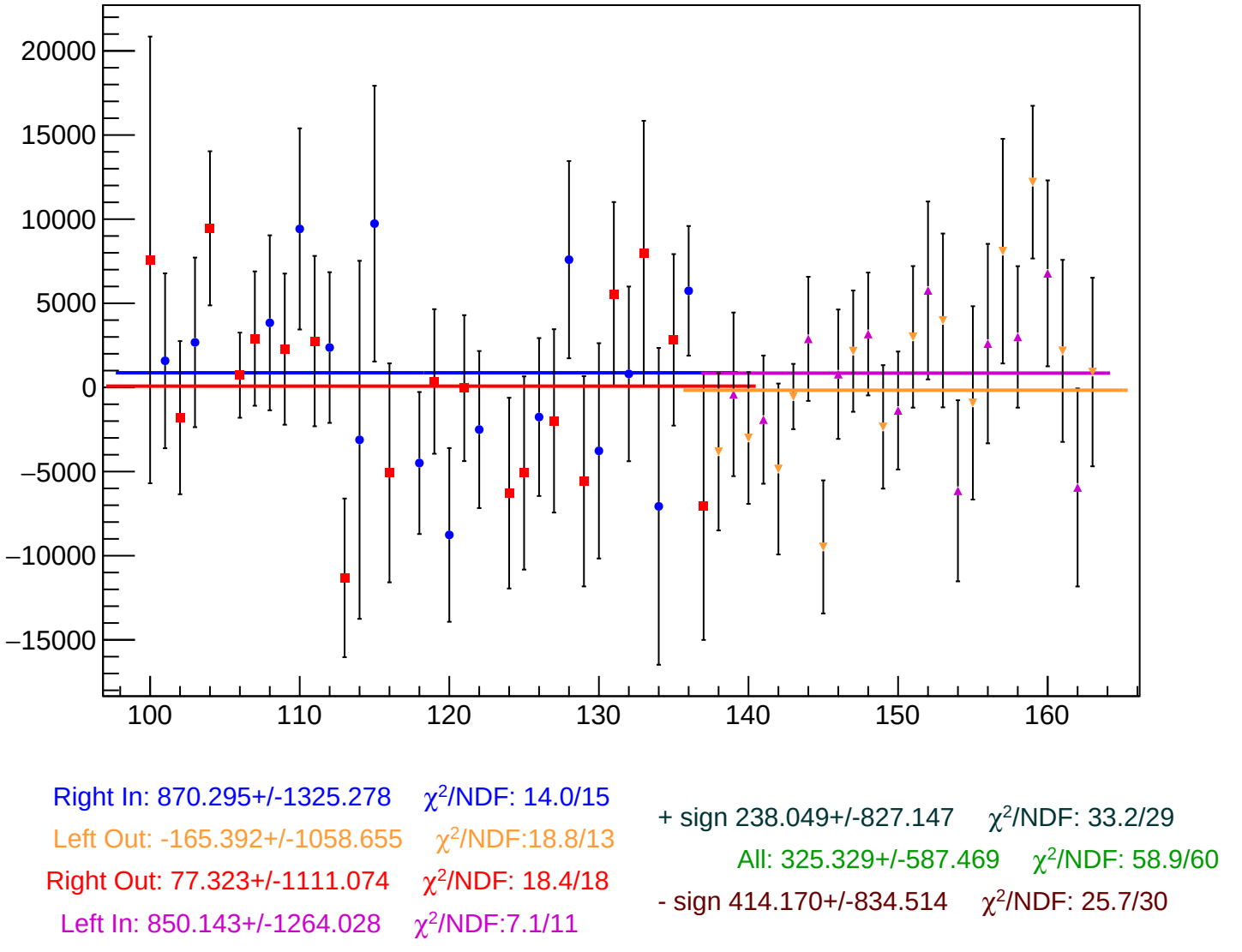
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

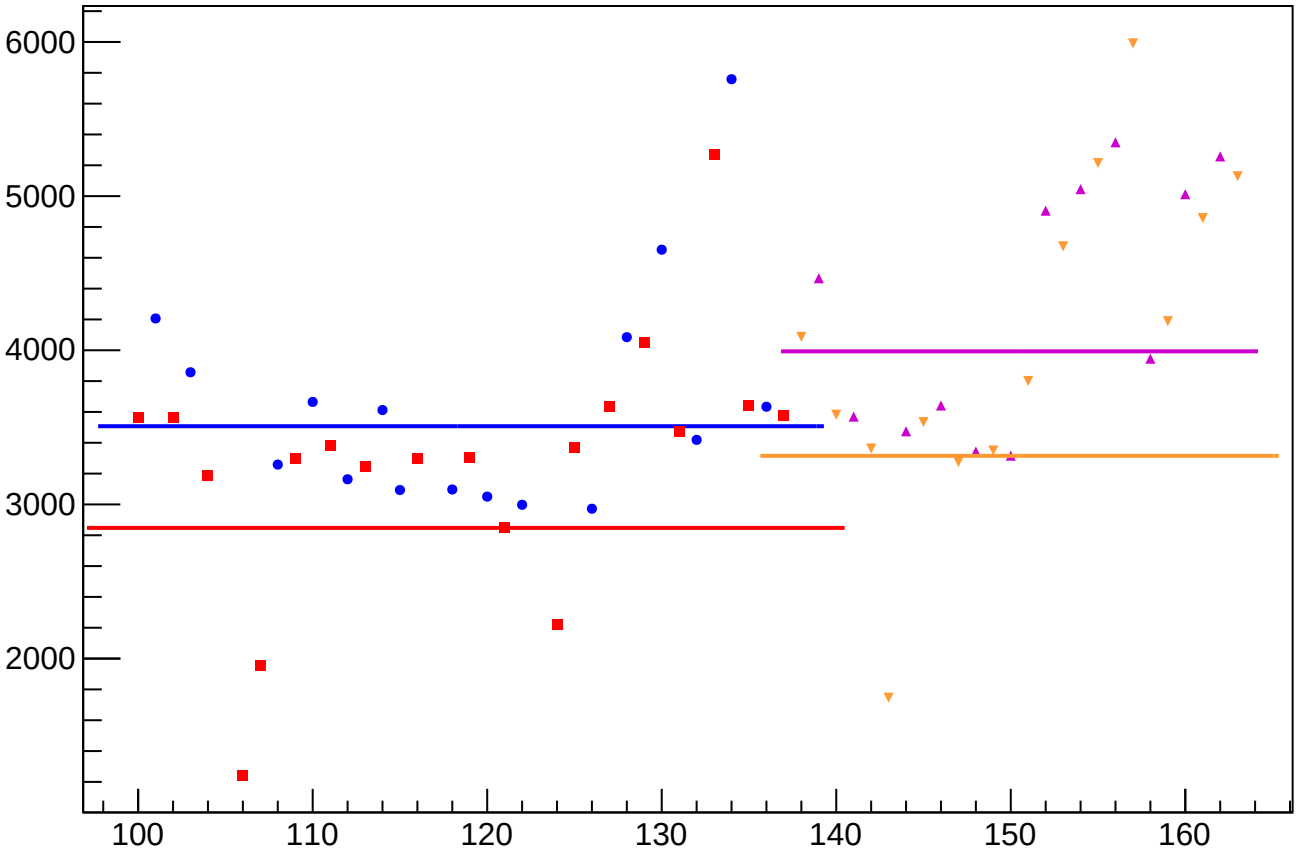
Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663923.6/29

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60

- sign 1288.038+/-0.218 χ^2/NDF: 335730.3/30


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -165.392+/-1058.655 χ²/NDF:18.8/13
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 850.143+/-1264.028 χ²/NDF:7.1/11
+ sign 238.049+/-827.147 χ²/NDF: 33.2/29
All: 325.329+/-587.469 χ²/NDF: 58.9/60
- sign 414.170+/-834.514 χ²/NDF: 25.7/30



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

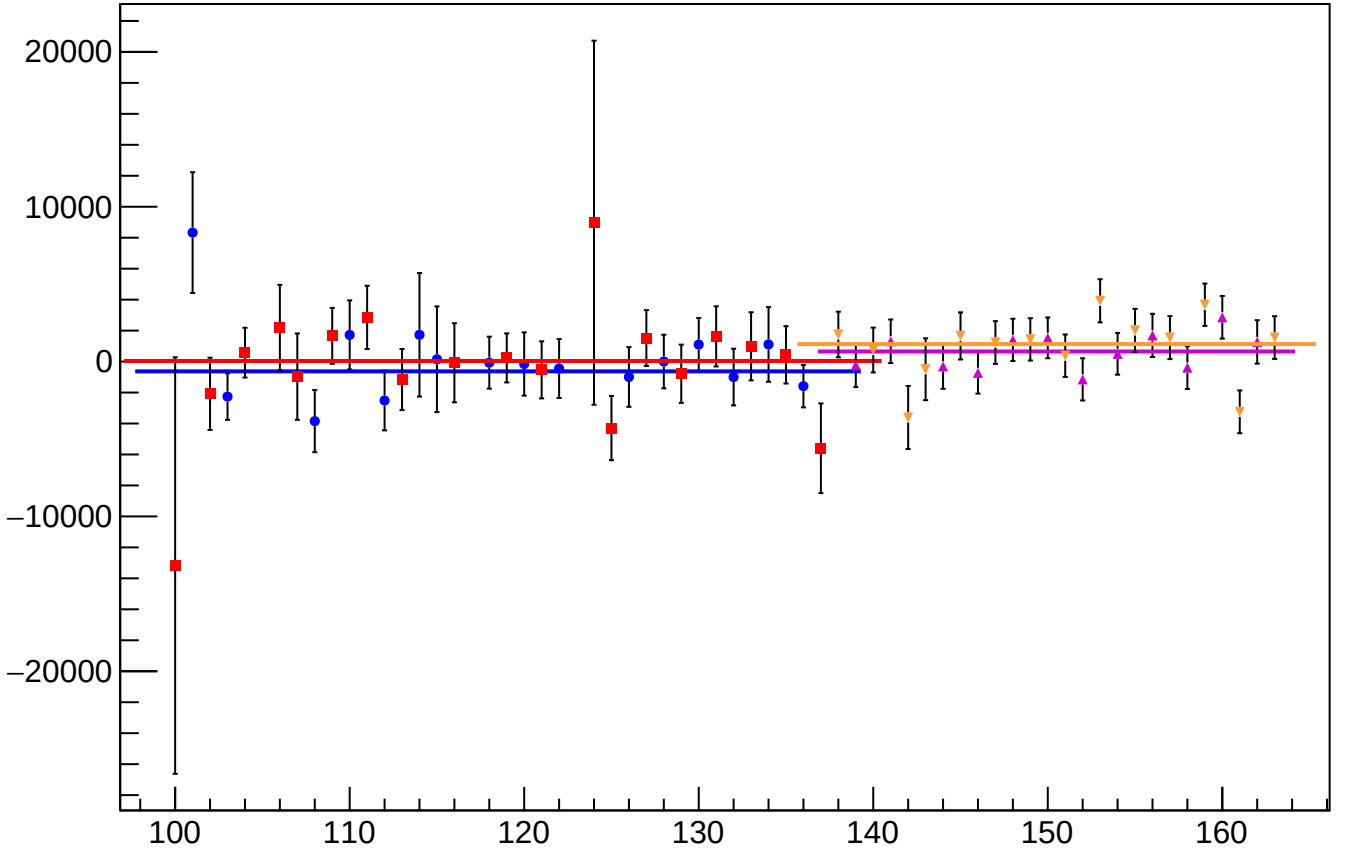
Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

+ sign 3389.991+/-0.585 χ^2/NDF: 2910777.7/29

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60

- sign 3347.001+/-0.590 χ^2/NDF: 3064901.4/30

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

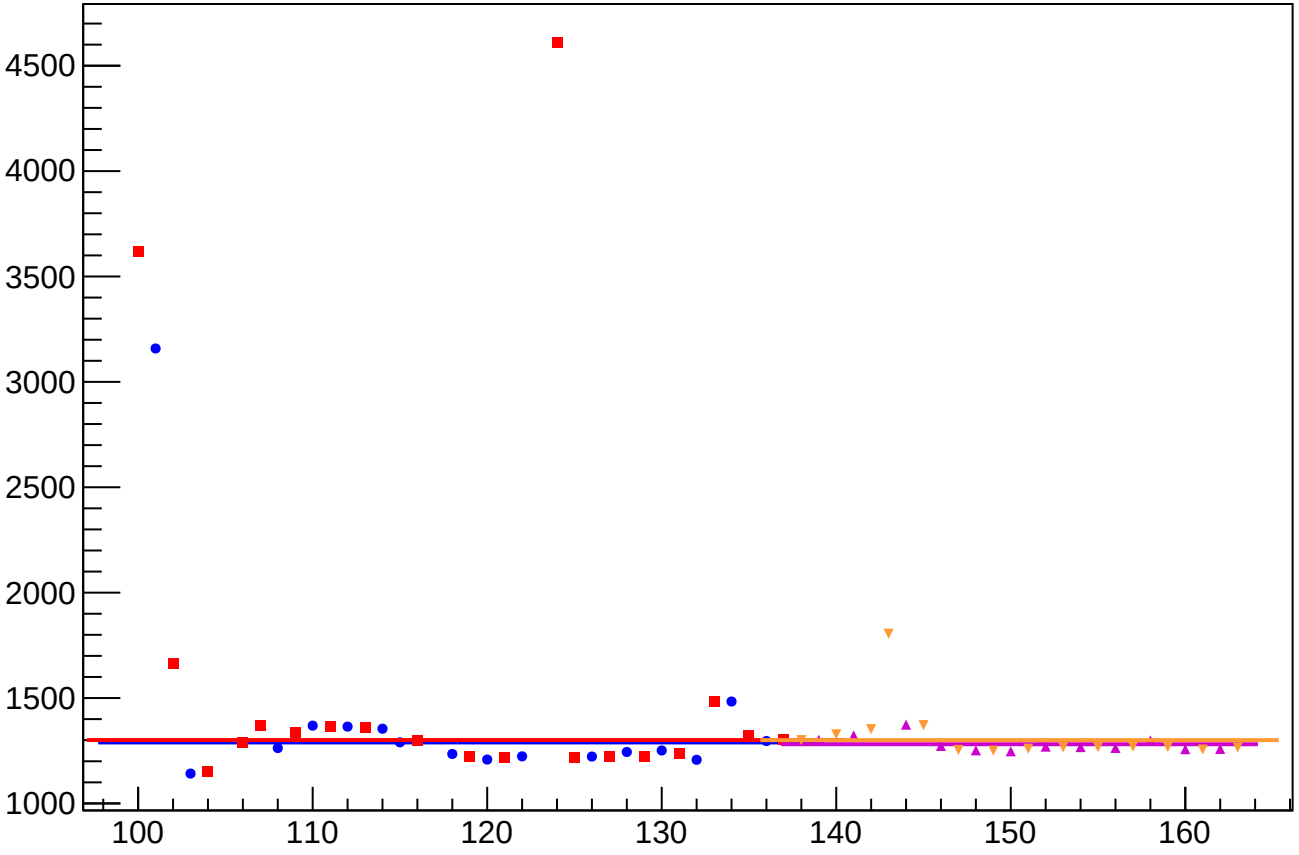
Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

\+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

\- sign 406.676+/-308.469 χ^2/NDF: 25.8/30

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

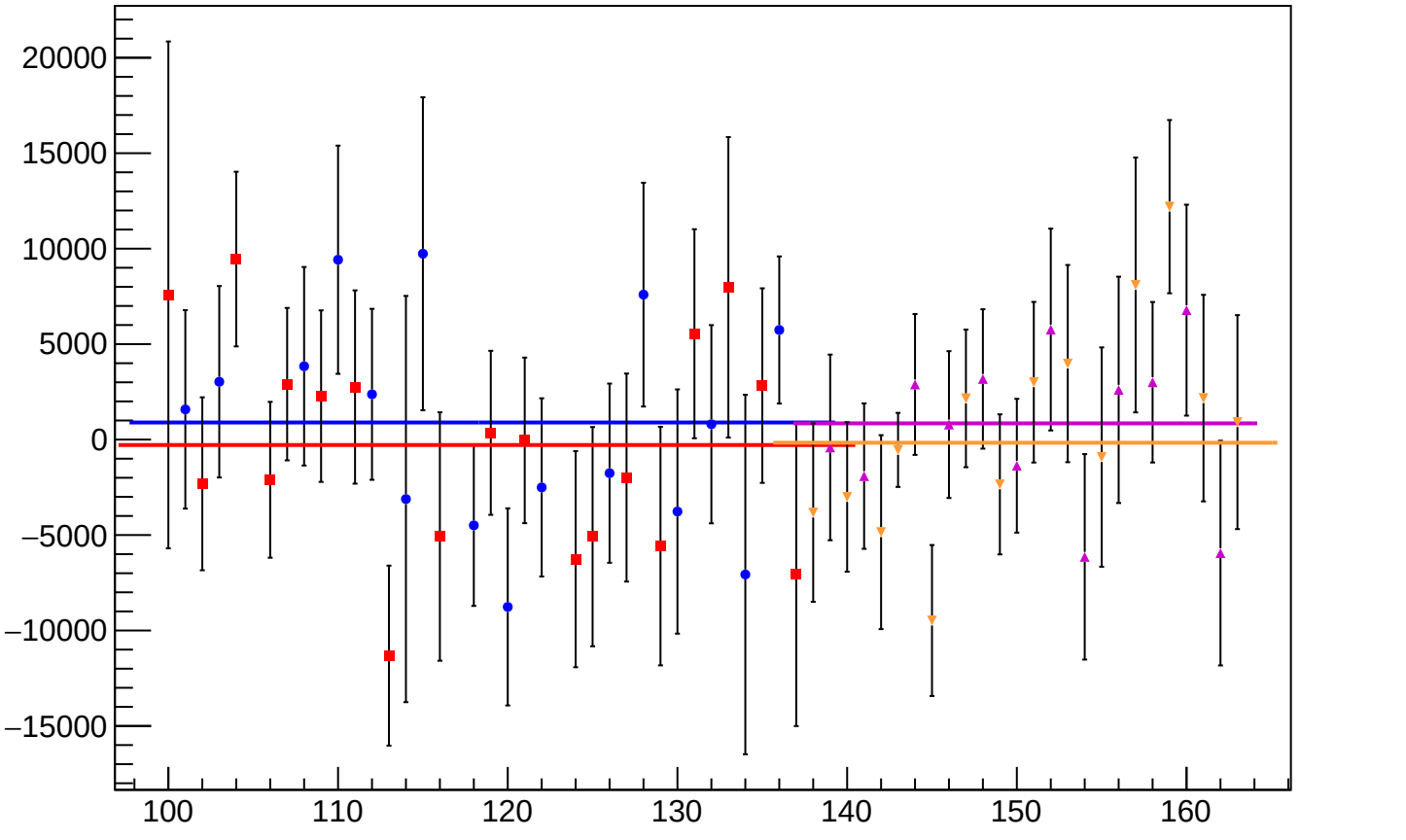
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

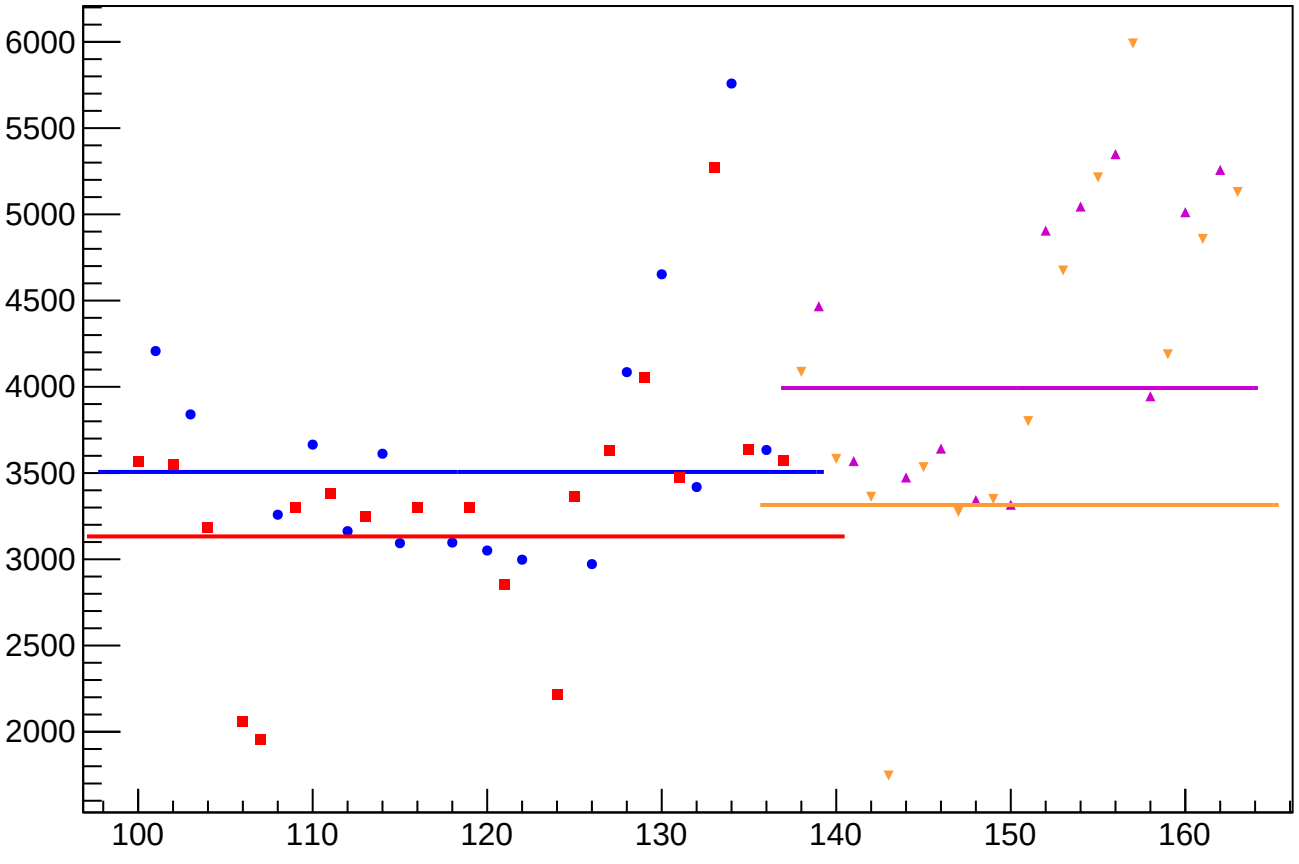
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 850.171+/-1264.027 χ^2/NDF:7.1/11

\+ sign 248.302+/-827.035 χ^2/NDF: 33.2/29

All: 247.045+/-597.377 χ^2/NDF: 59.4/60

\- sign 245.673+/-863.799 χ^2/NDF: 26.1/30



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

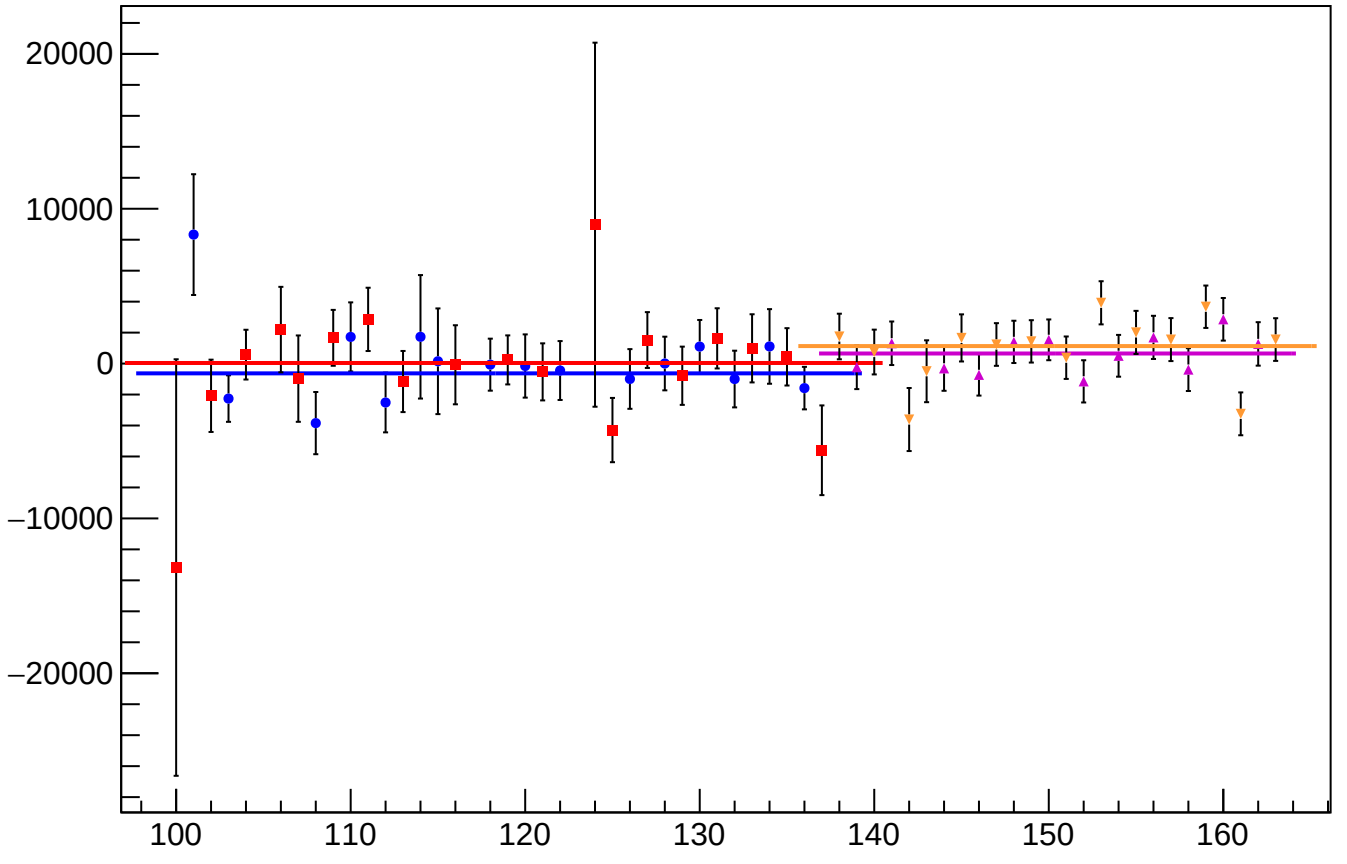
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

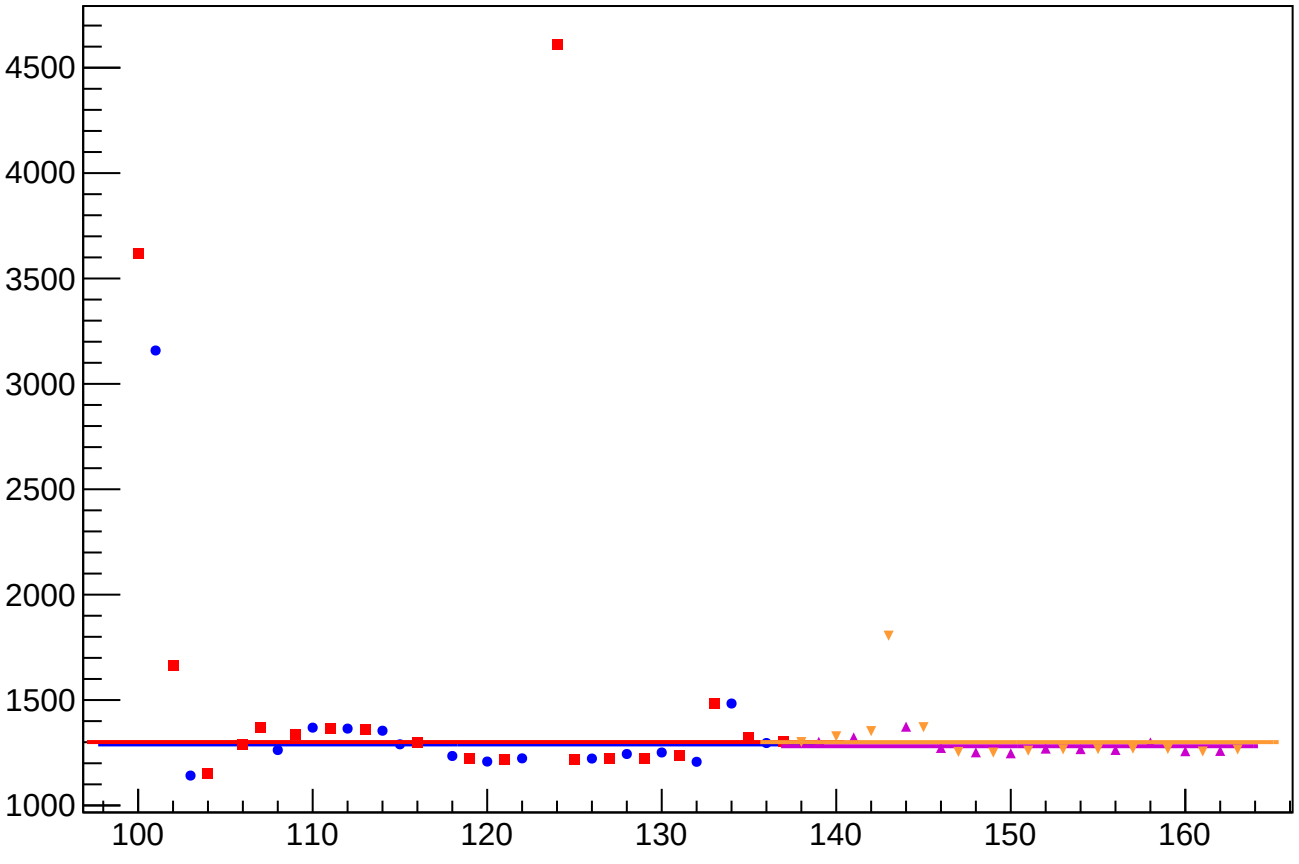
Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 651.455+/-398.041 χ^2/NDF:8.5/11

+ sign 445.756+/-304.613 χ^2/NDF: 46.7/29

All: 426.462+/-216.744 χ^2/NDF: 72.5/60

- sign 406.676+/-308.469 χ^2/NDF: 25.8/30



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

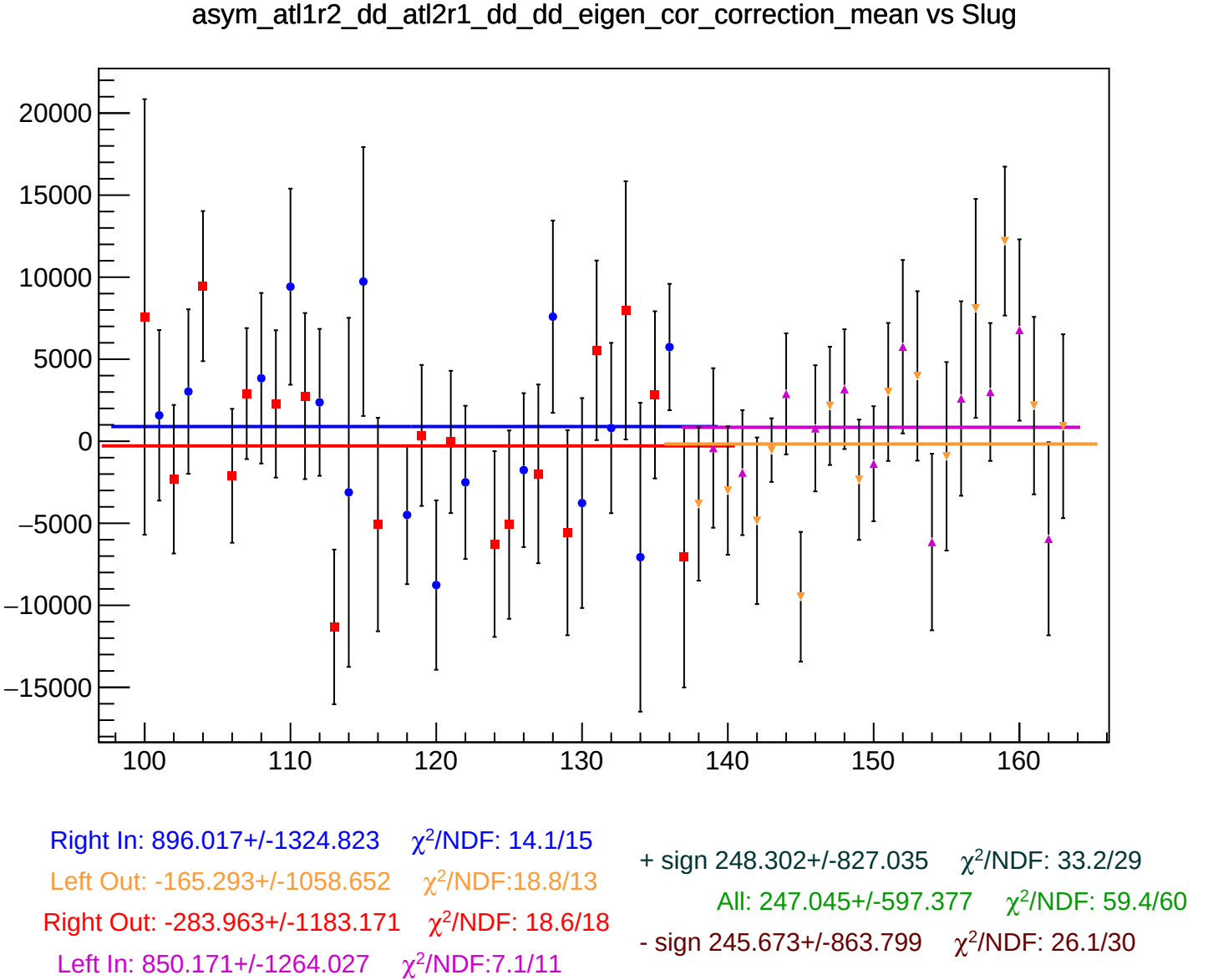
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

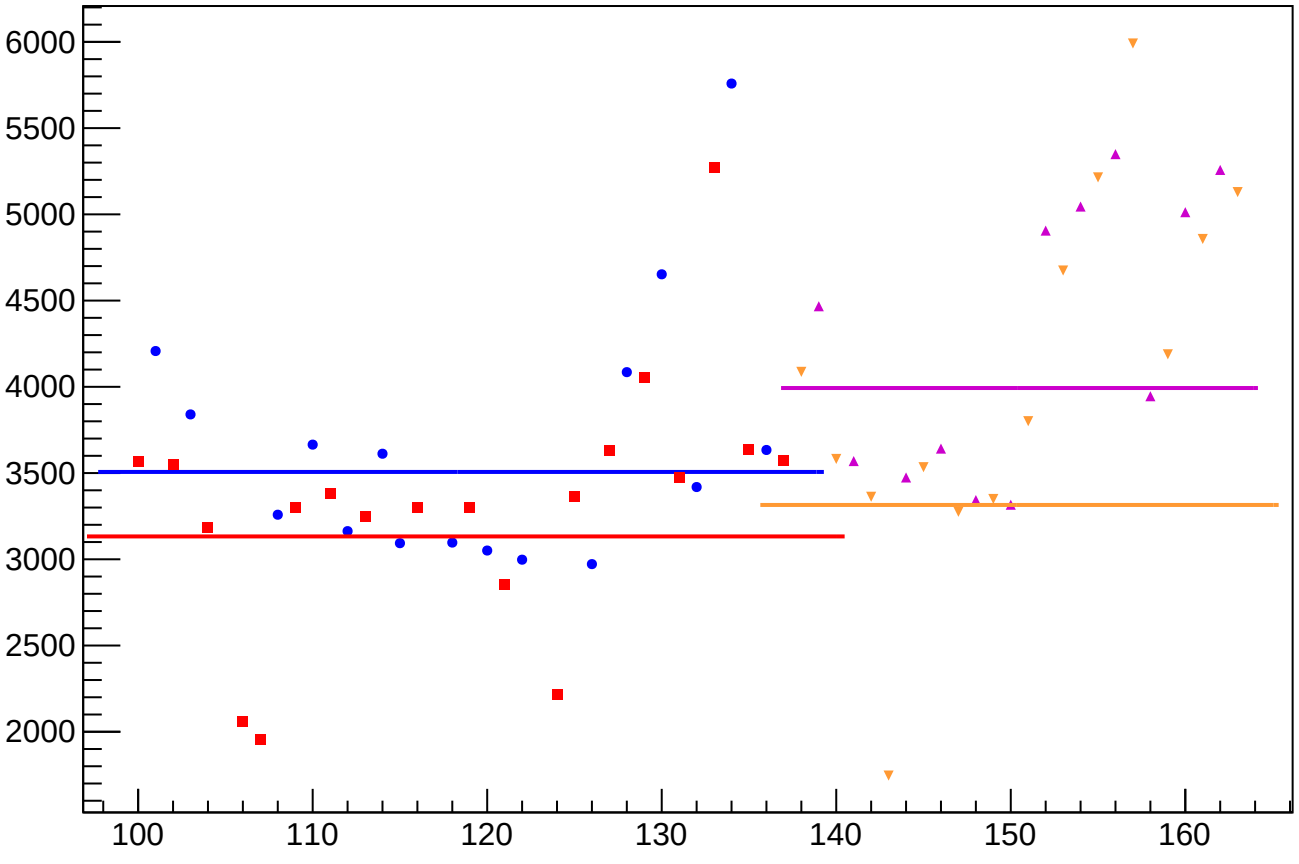
Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

+ sign 1296.097+/-0.215 χ^2/NDF: 663925.1/29

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

- sign 1288.838+/-0.218 χ^2/NDF: 342644.5/30


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
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 850.171+/-1264.027 χ²/NDF:7.1/11
+ sign 248.302+/-827.035 χ²/NDF: 33.2/29
All: 247.045+/-597.377 χ²/NDF: 59.4/60
- sign 245.673+/-863.799 χ²/NDF: 26.1/30



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

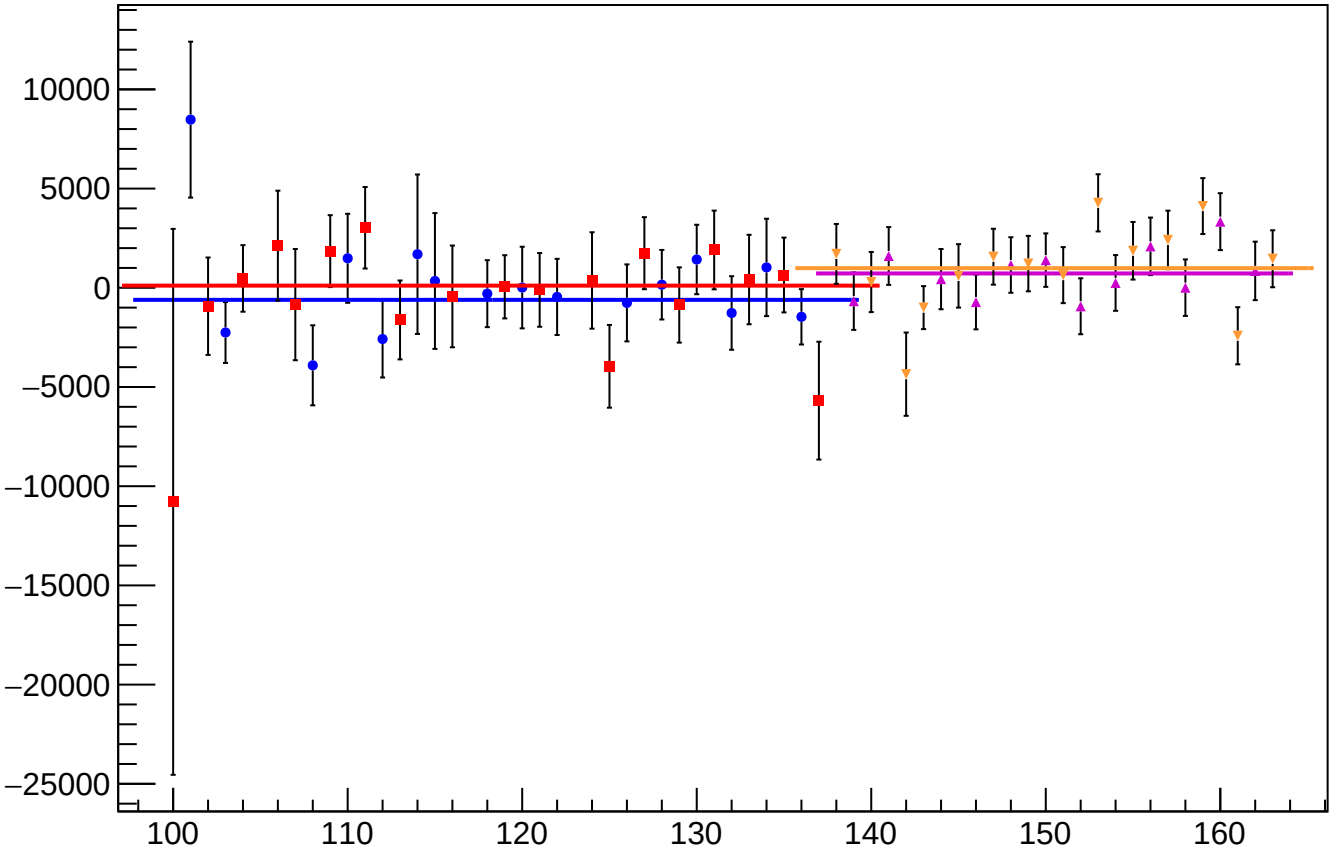
Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

+ sign 3389.660+/-0.585 χ^2/NDF: 2909827.7/29

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

- sign 3534.424+/-0.611 χ^2/NDF: 1782979.0/30

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

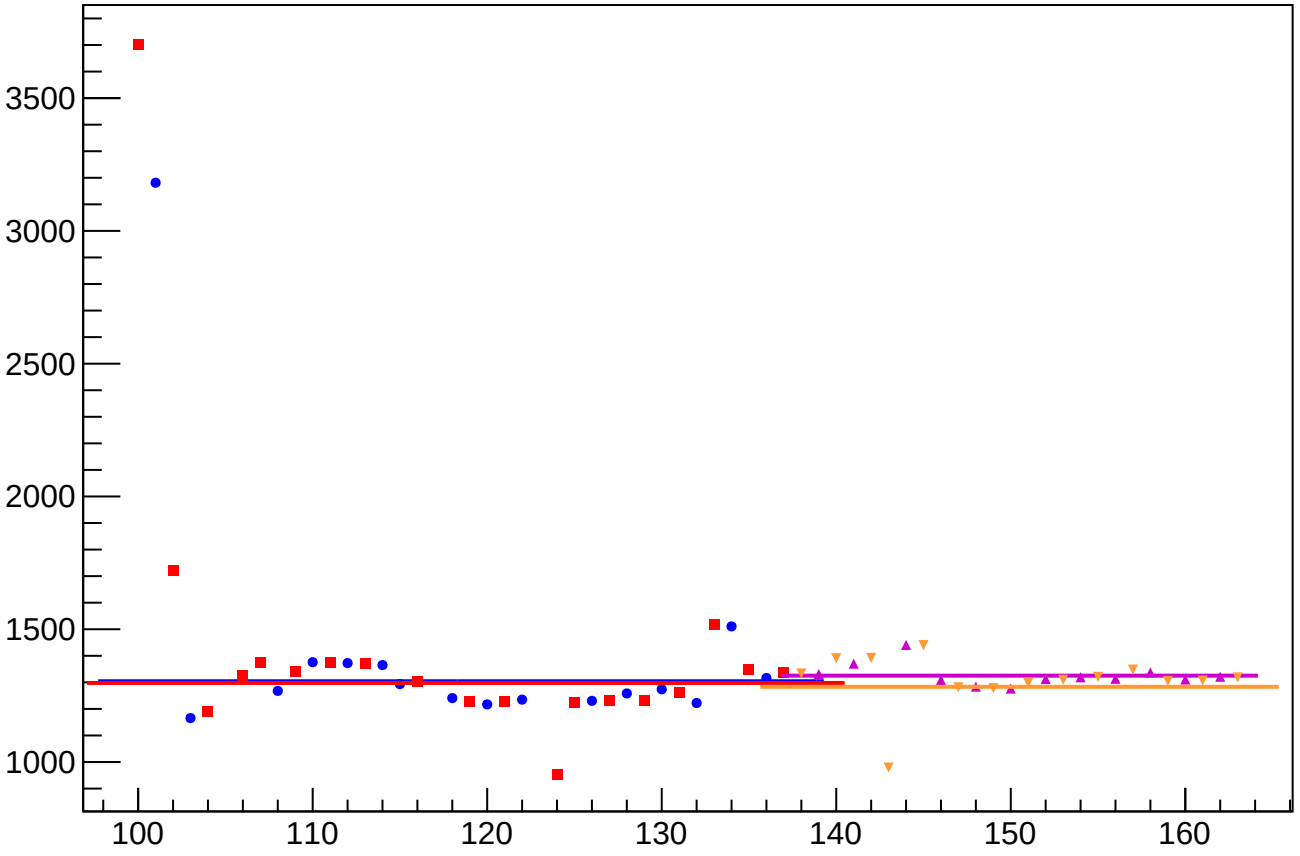
Left In: 723.521+/-411.888 χ^2/NDF:8.7/11

+ sign 386.396+/-303.691 χ^2/NDF: 48.4/29

All: 424.956+/-218.329 χ^2/NDF: 72.9/60

- sign 466.203+/-314.099 χ^2/NDF: 24.5/30

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

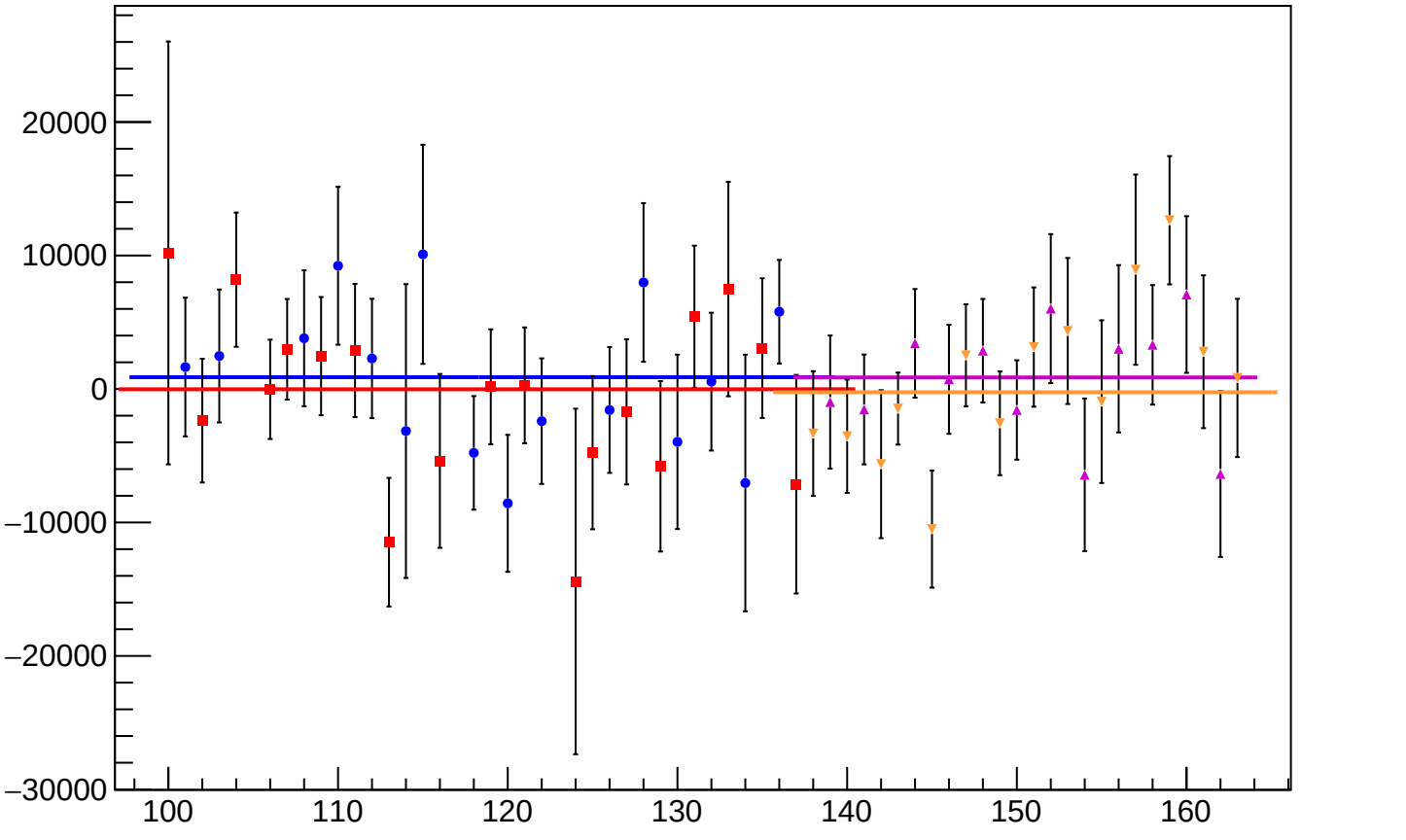
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

+ sign 1291.112+/-0.215 χ^2/NDF: 715422.1/29

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60

- sign 1313.760+/-0.222 χ^2/NDF: 235741.9/30



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -243.884+/-1203.871 χ^2/NDF:19.0/13

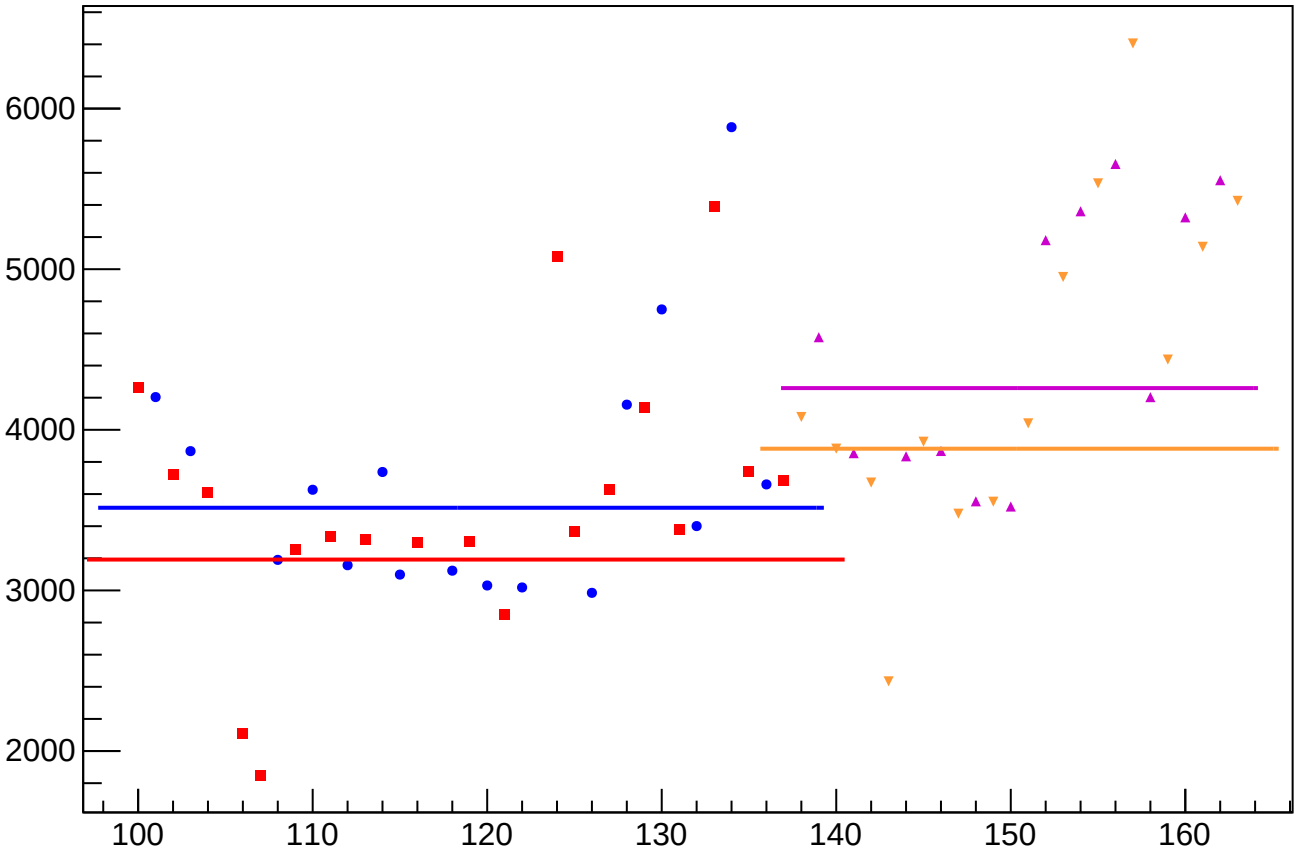
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.089 χ^2/NDF:6.9/11

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

- sign 370.832+/-896.042 χ^2/NDF: 24.0/30



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

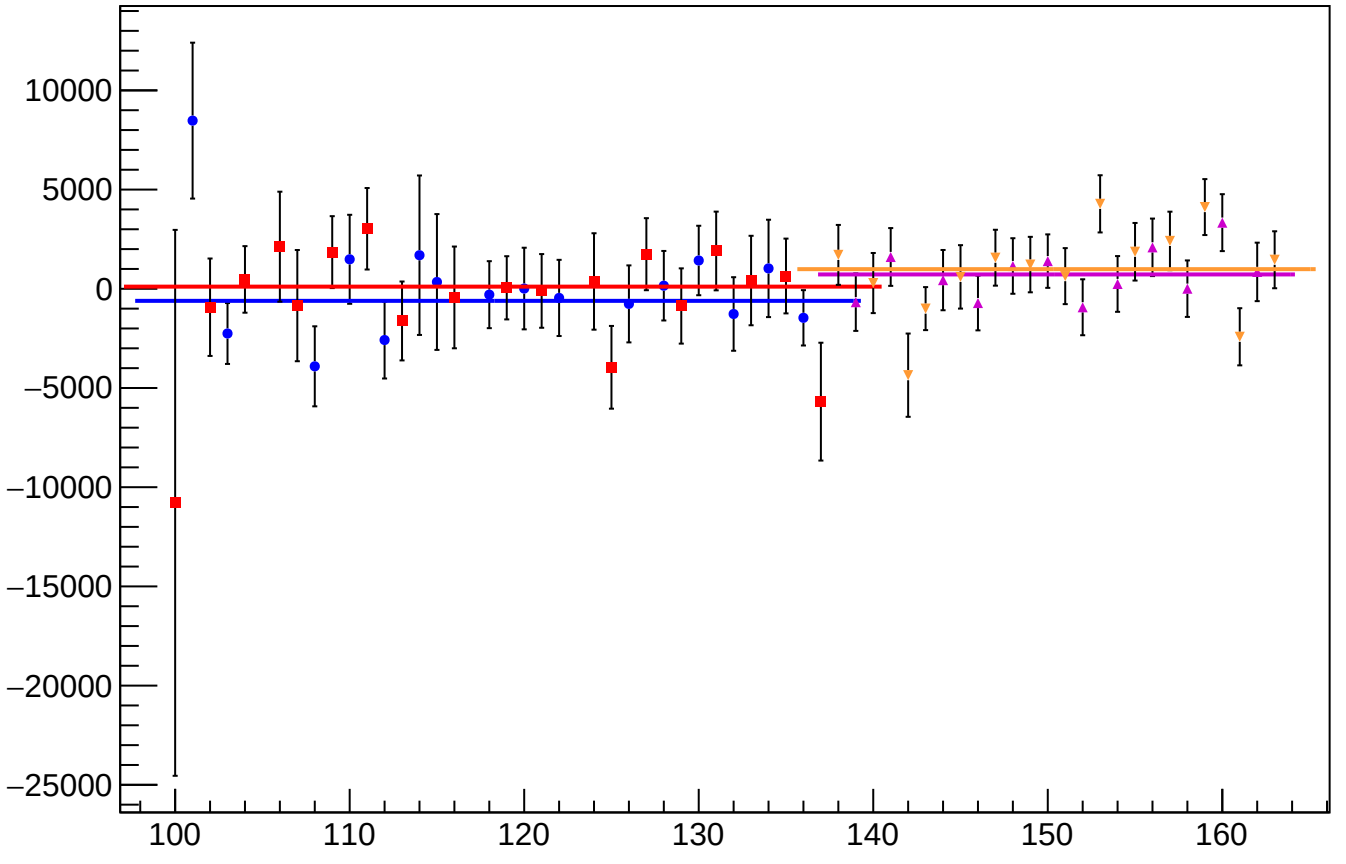
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

+ sign 3716.498+/-0.631 χ^2/NDF: 1814505.2/29

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60

- sign 3664.550+/-0.634 χ^2/NDF: 2065325.5/30



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

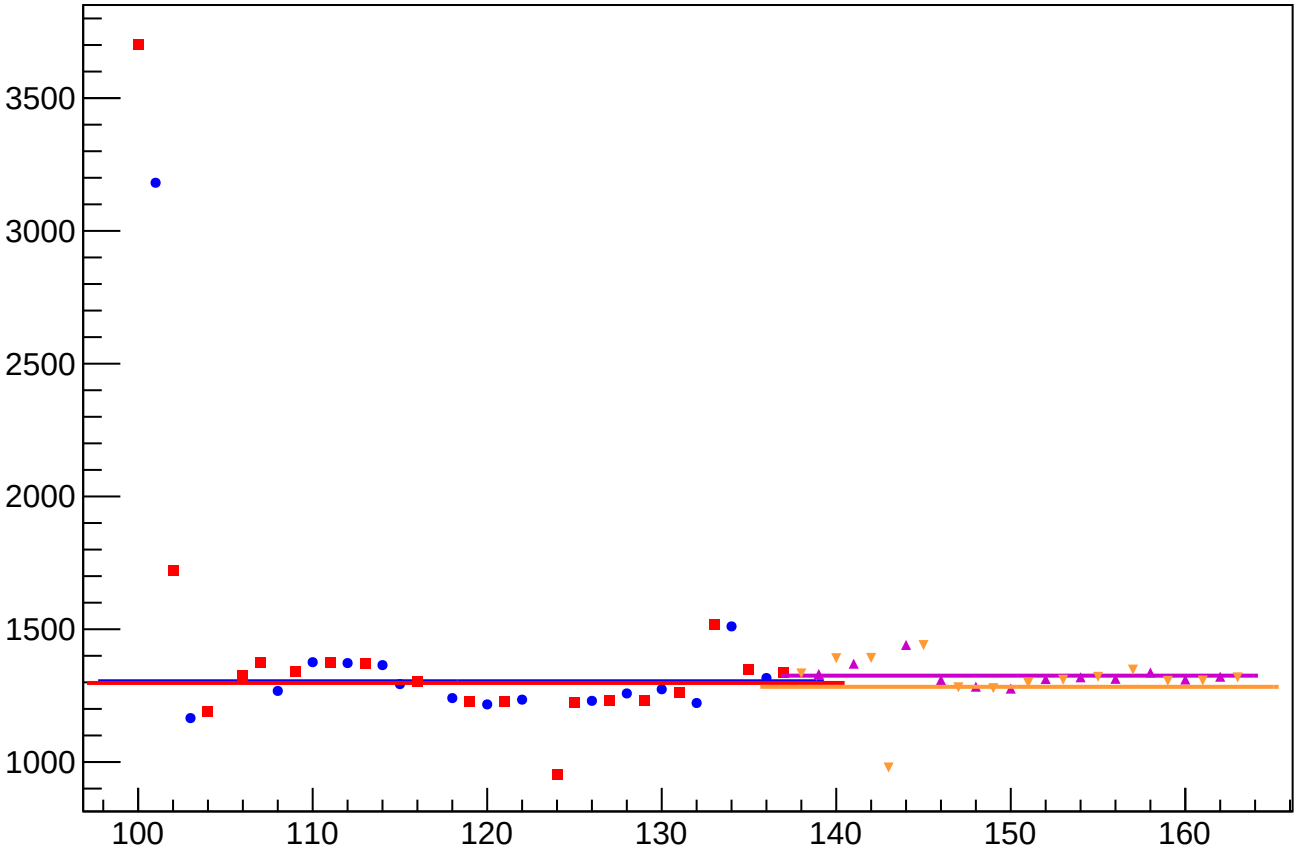
Left In: 723.521+/-411.889 χ^2/NDF:8.7/11

+ sign 386.398+/-303.692 χ^2/NDF: 48.4/29

All: 424.957+/-218.329 χ^2/NDF: 72.9/60

- sign 466.205+/-314.099 χ^2/NDF: 24.5/30

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: 1283.231+/-0.272 χ^2/NDF:202612.9/13

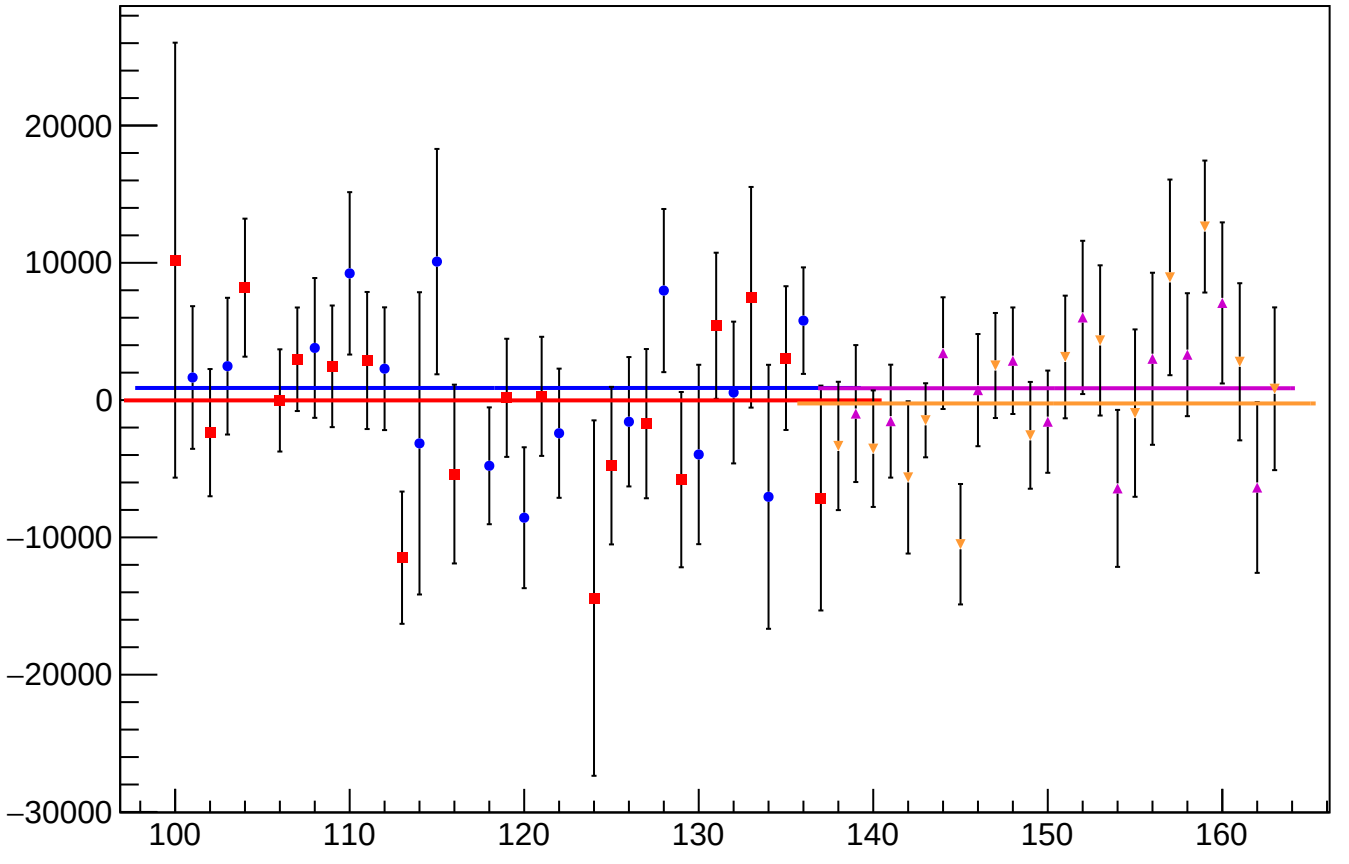
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

+ sign 1291.113+/-0.215 χ^2/NDF: 715422.7/29

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60

- sign 1313.761+/-0.222 χ^2/NDF: 235742.4/30



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -243.880+/-1203.873 χ^2/NDF:19.0/13

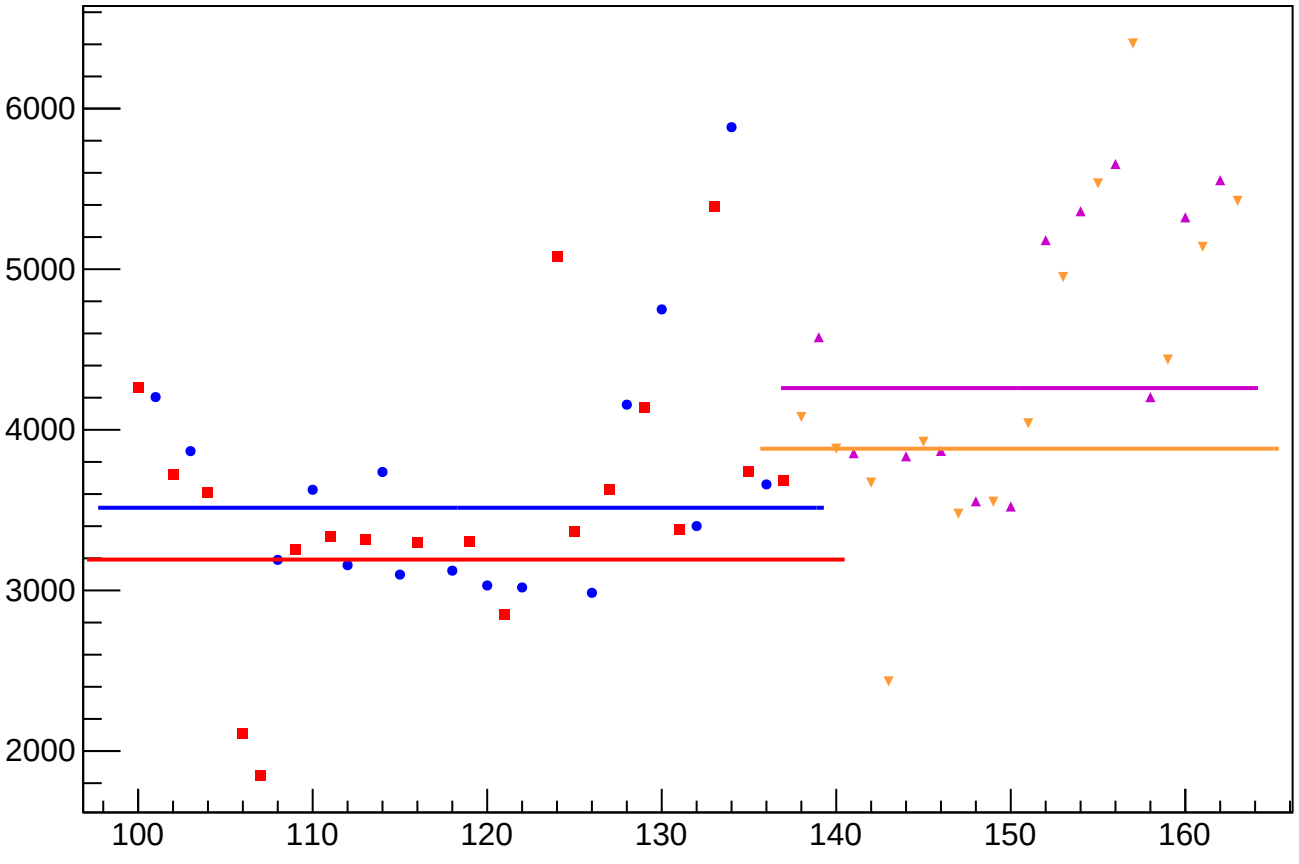
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 864.193+/-1347.090 χ^2/NDF:6.9/11

+ sign 265.173+/-891.746 χ^2/NDF: 33.5/29

All: 317.749+/-632.073 χ^2/NDF: 57.5/60

- sign 370.832+/-896.041 χ^2/NDF: 24.0/30



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

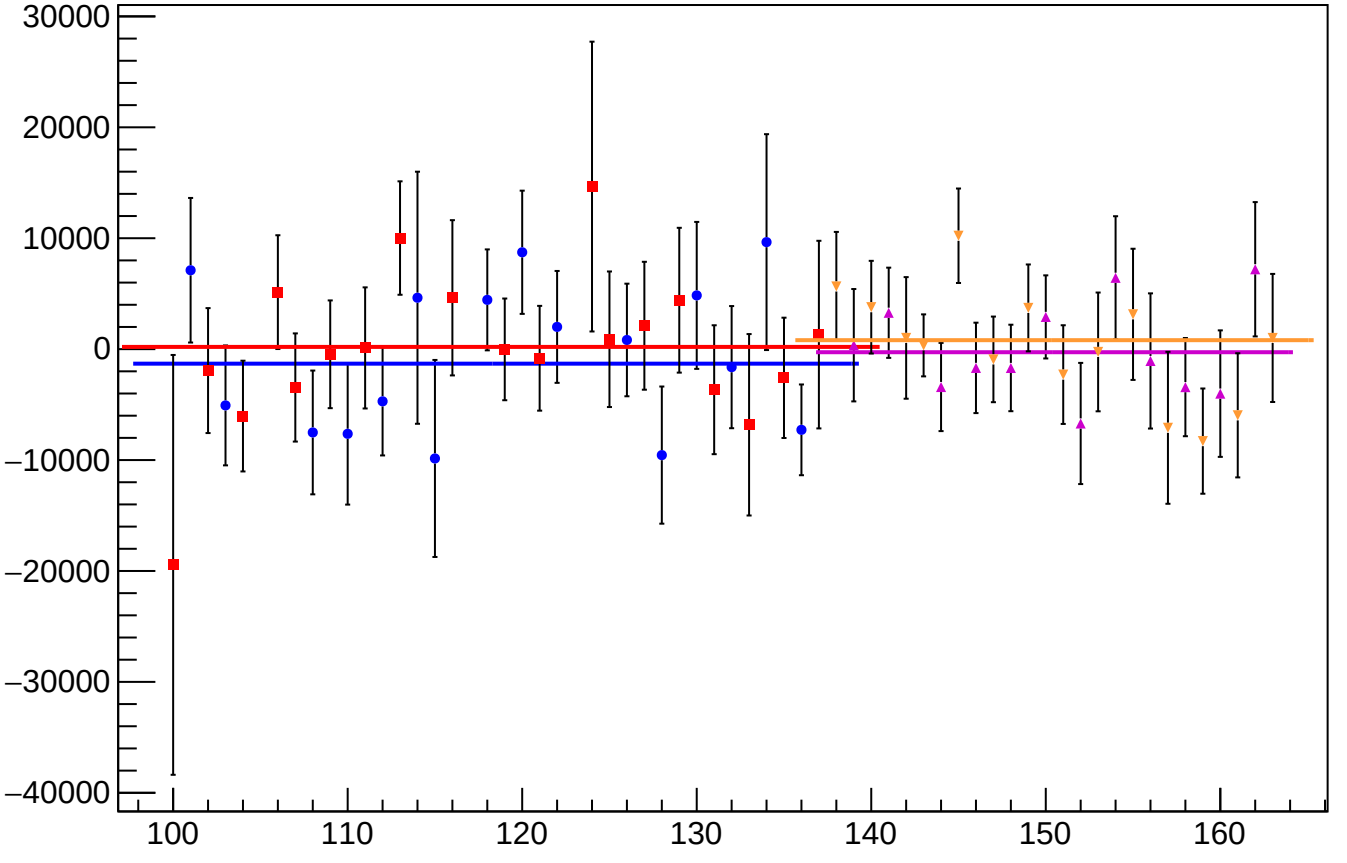
Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

+ sign 3716.496+/-0.631 χ^2/NDF: 1814517.2/29

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60

- sign 3664.546+/-0.634 χ^2/NDF: 2065346.7/30

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

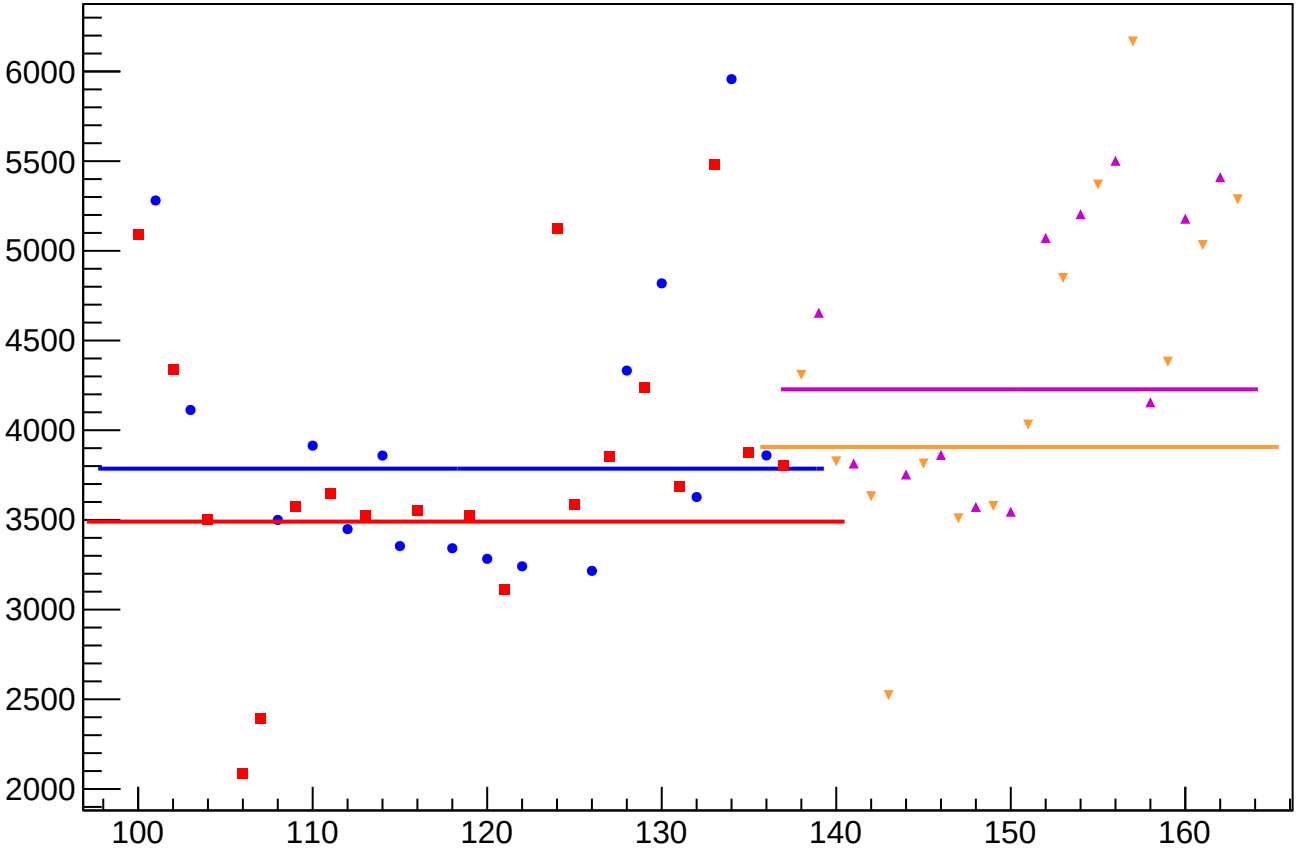
Left In: -277.474+/-1334.091 χ^2/NDF:7.7/11

+ sign -69.594+/-921.772 χ^2/NDF: 33.2/29

All: -54.318+/-659.523 χ^2/NDF: 52.6/60

- sign -38.294+/-944.041 χ^2/NDF: 19.4/30

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

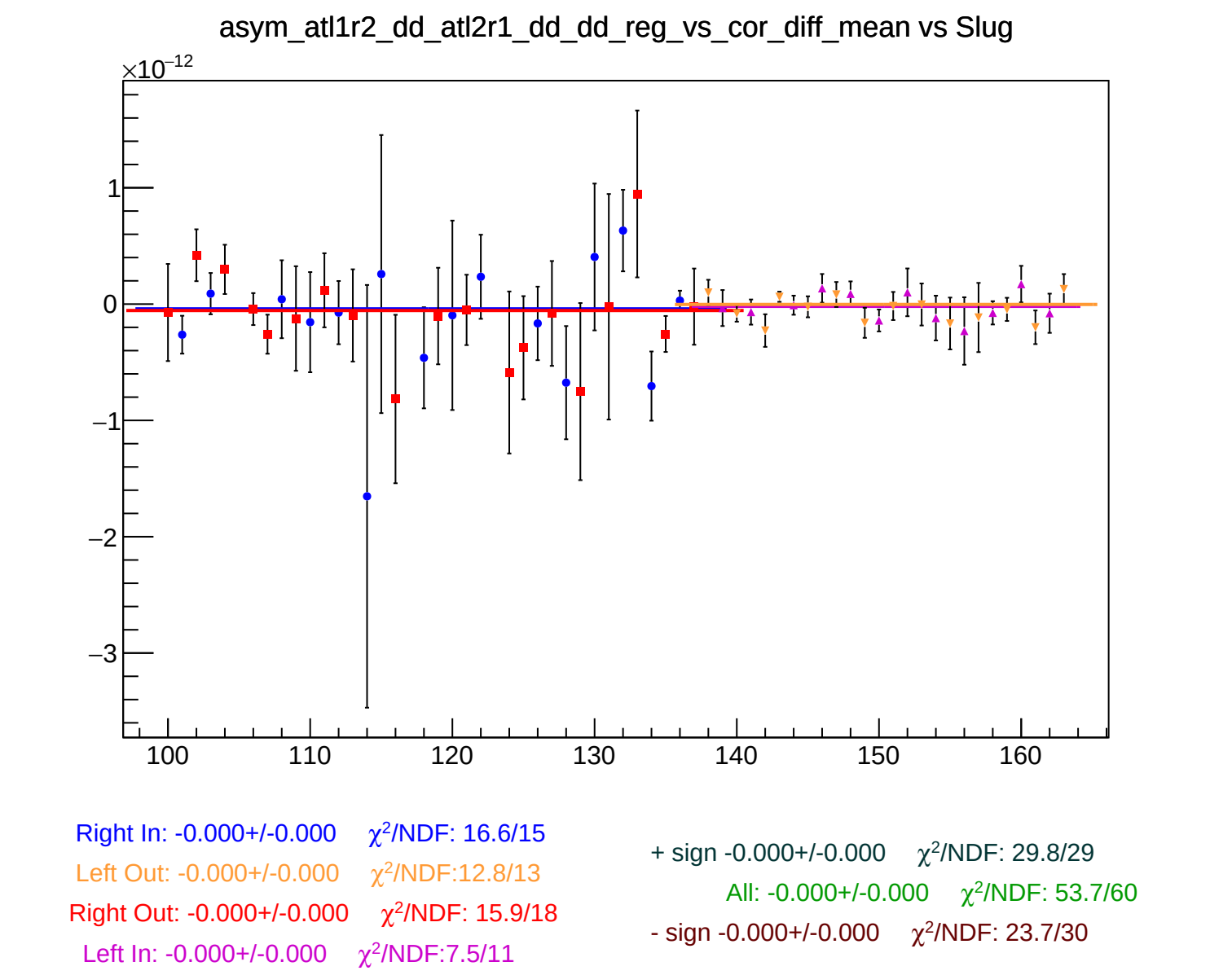
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

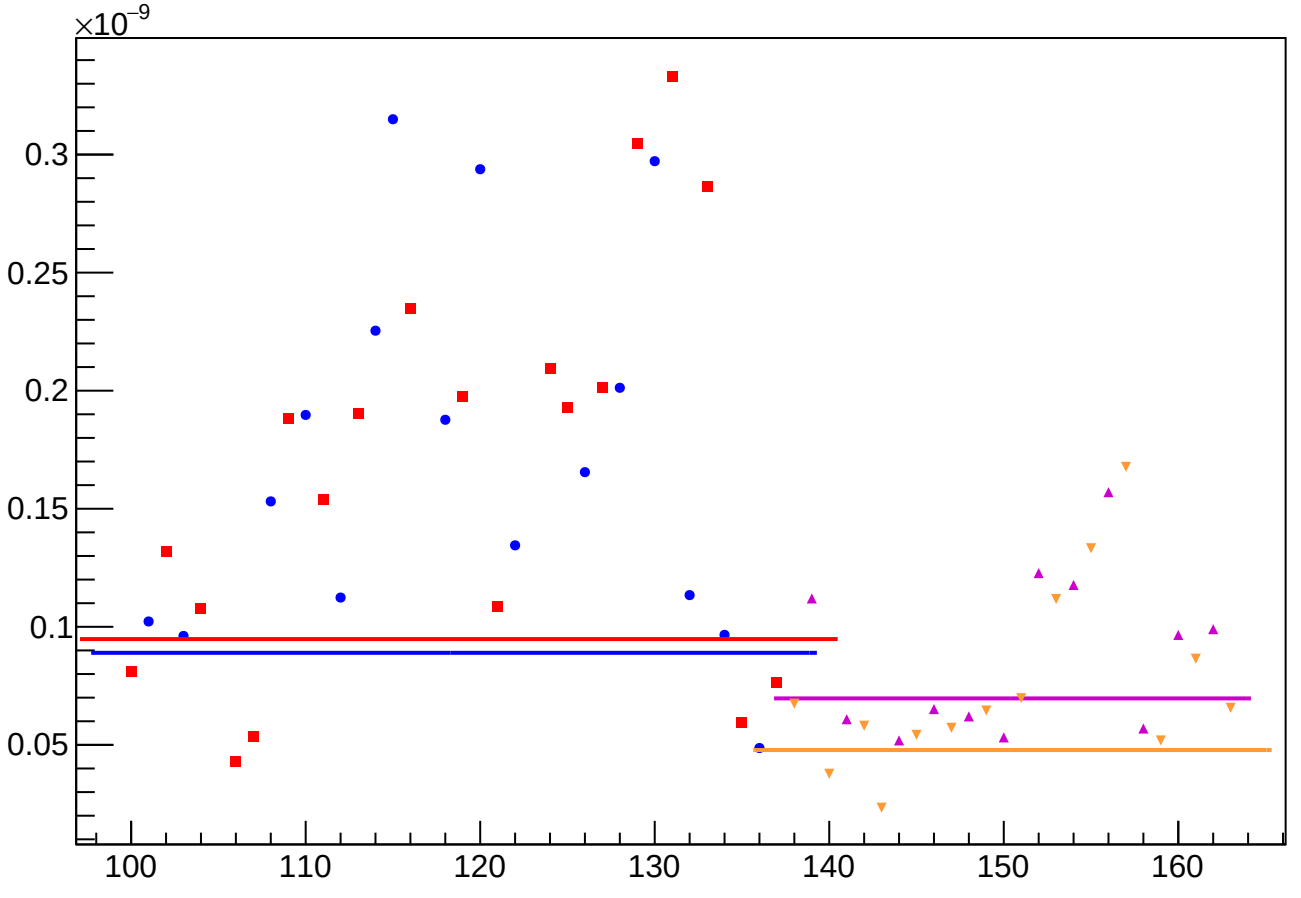
Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

+ sign 3856.622+/-0.652 χ^2/NDF: 1555736.7/29

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60

- sign 3854.839+/-0.663 χ^2/NDF: 1427930.0/30


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: -0.000+/-0.000 χ²/NDF:12.8/13
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/11
+ sign -0.000+/-0.000 χ²/NDF: 29.8/29
All: -0.000+/-0.000 χ²/NDF: 53.7/60
- sign -0.000+/-0.000 χ²/NDF: 23.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

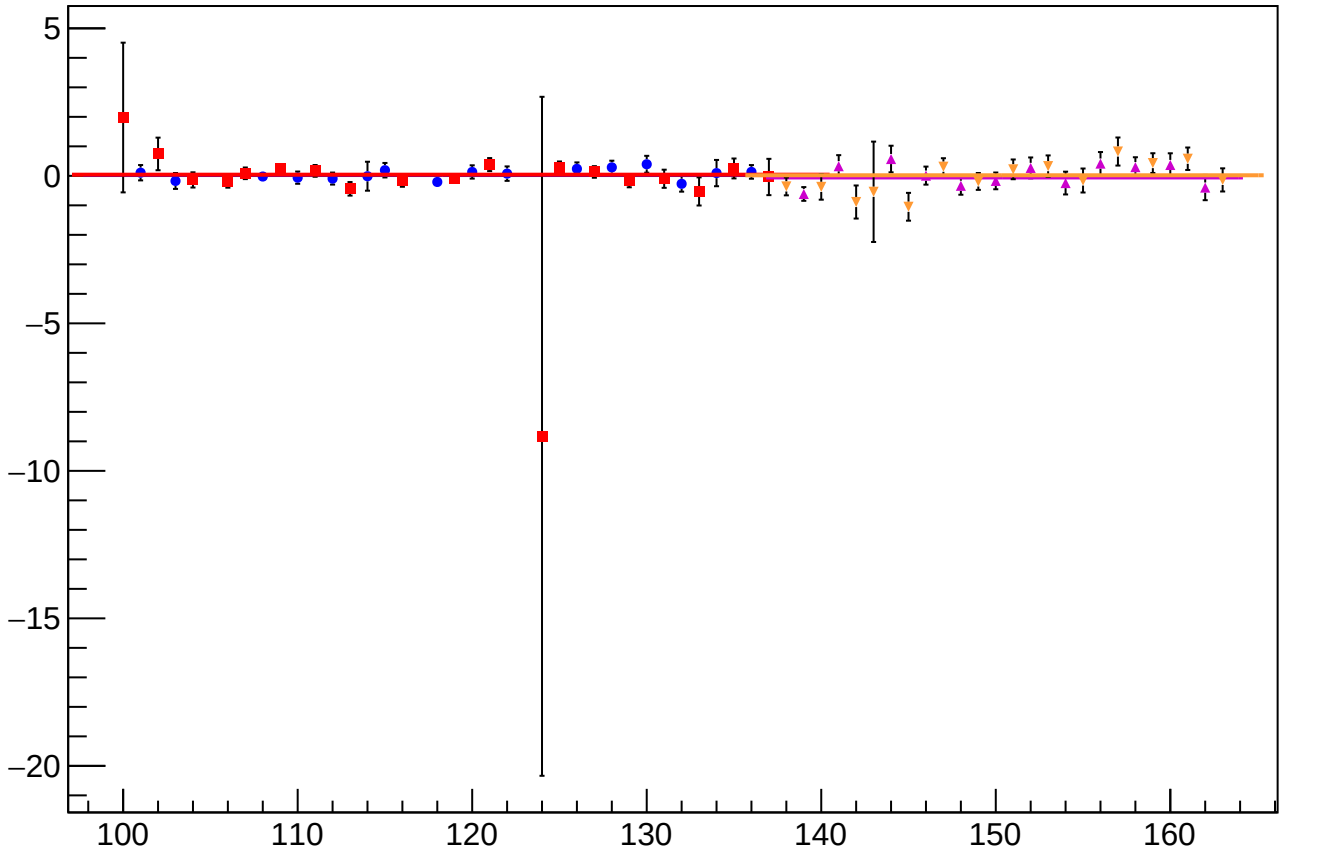
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922975.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4188693.1/29

All: 0.000+/-0.000 χ^2/NDF: 7655894.5/60

- sign 0.000+/-0.000 χ^2/NDF: 2892605.0/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

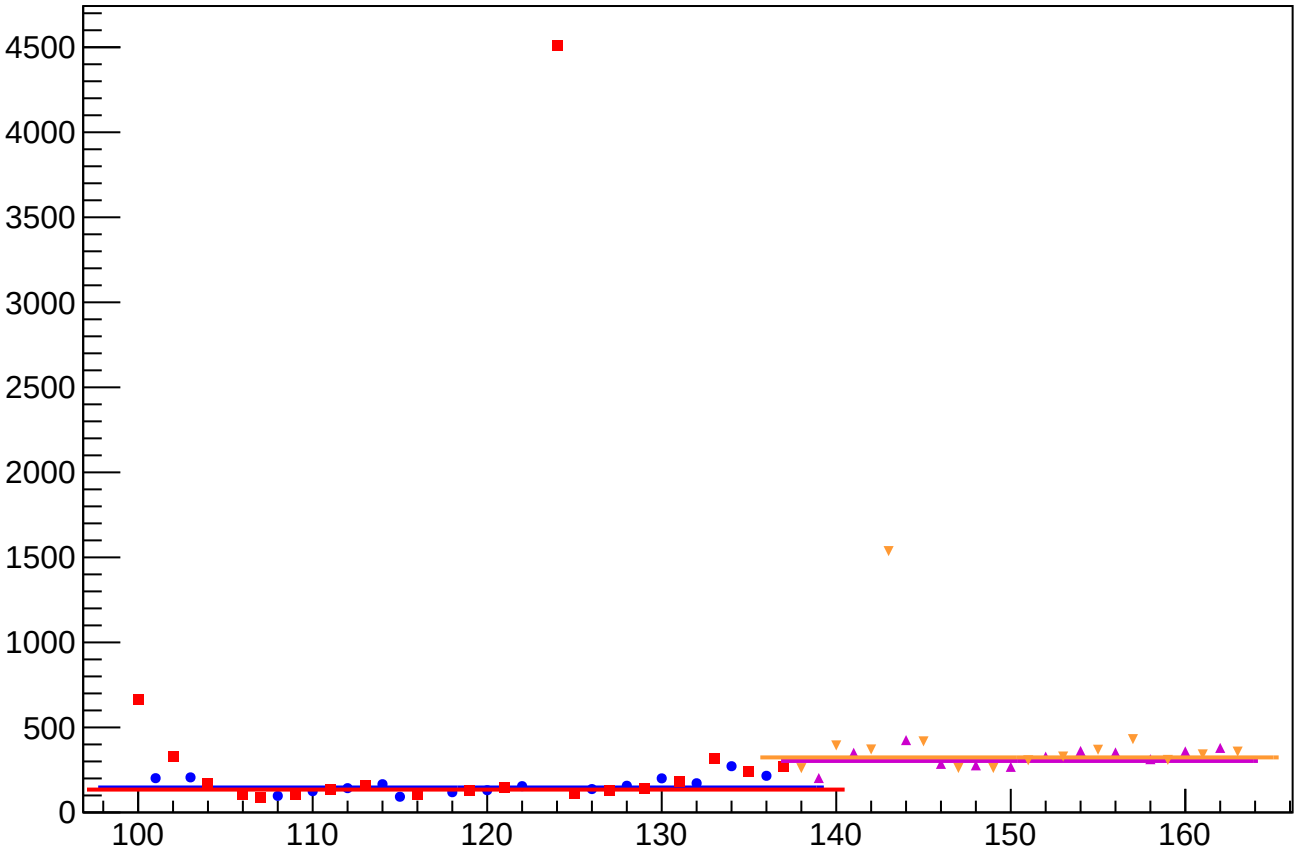
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

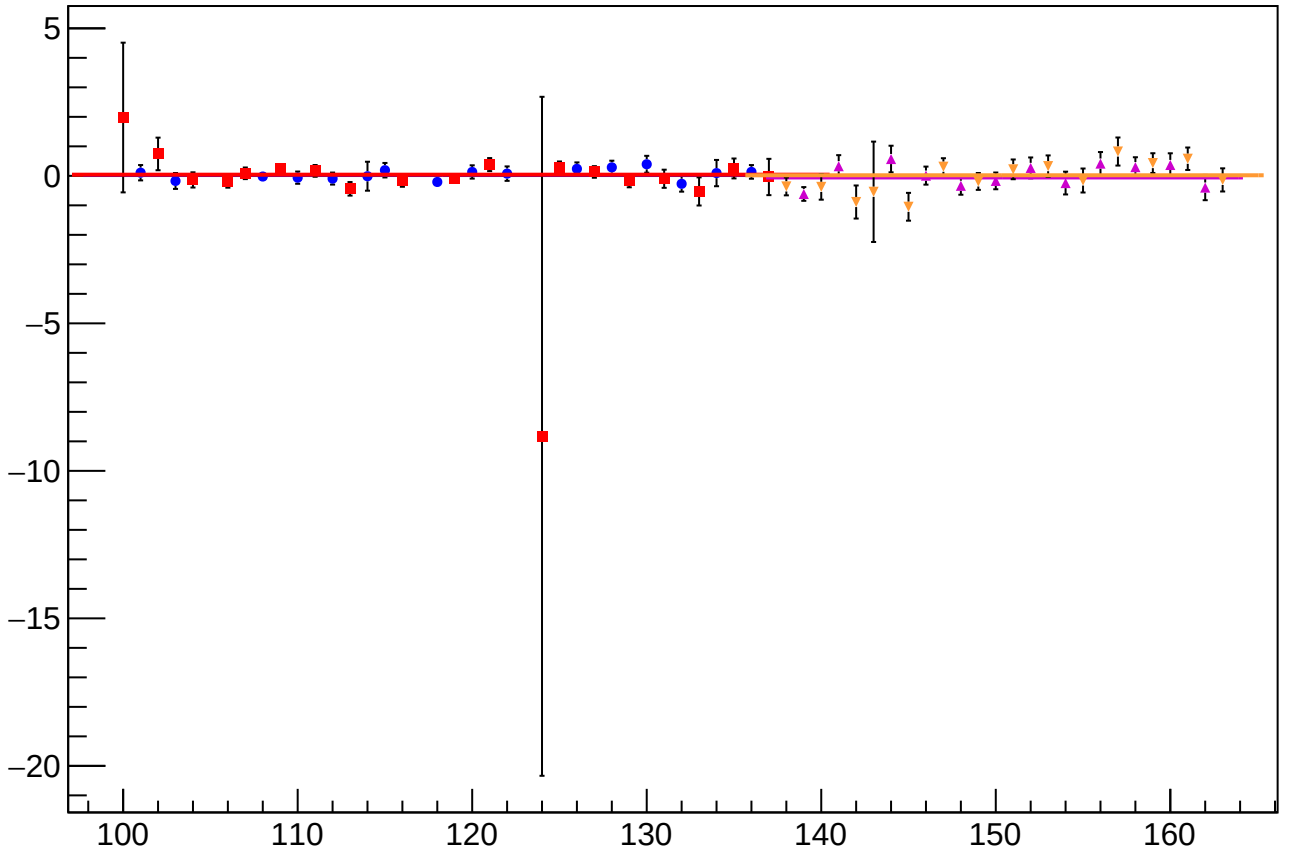
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

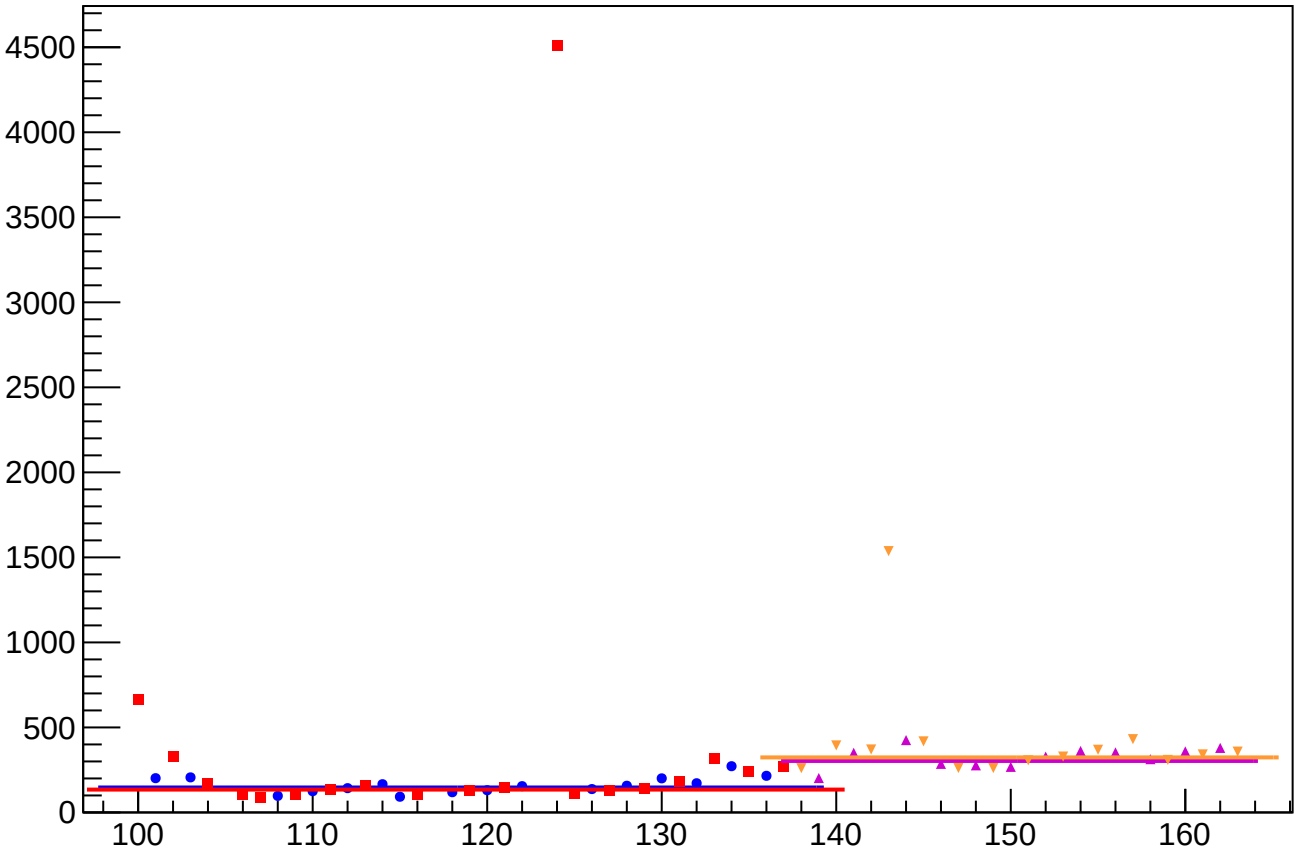
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 323.713+/-0.071 χ^2/NDF:1595989.7/13

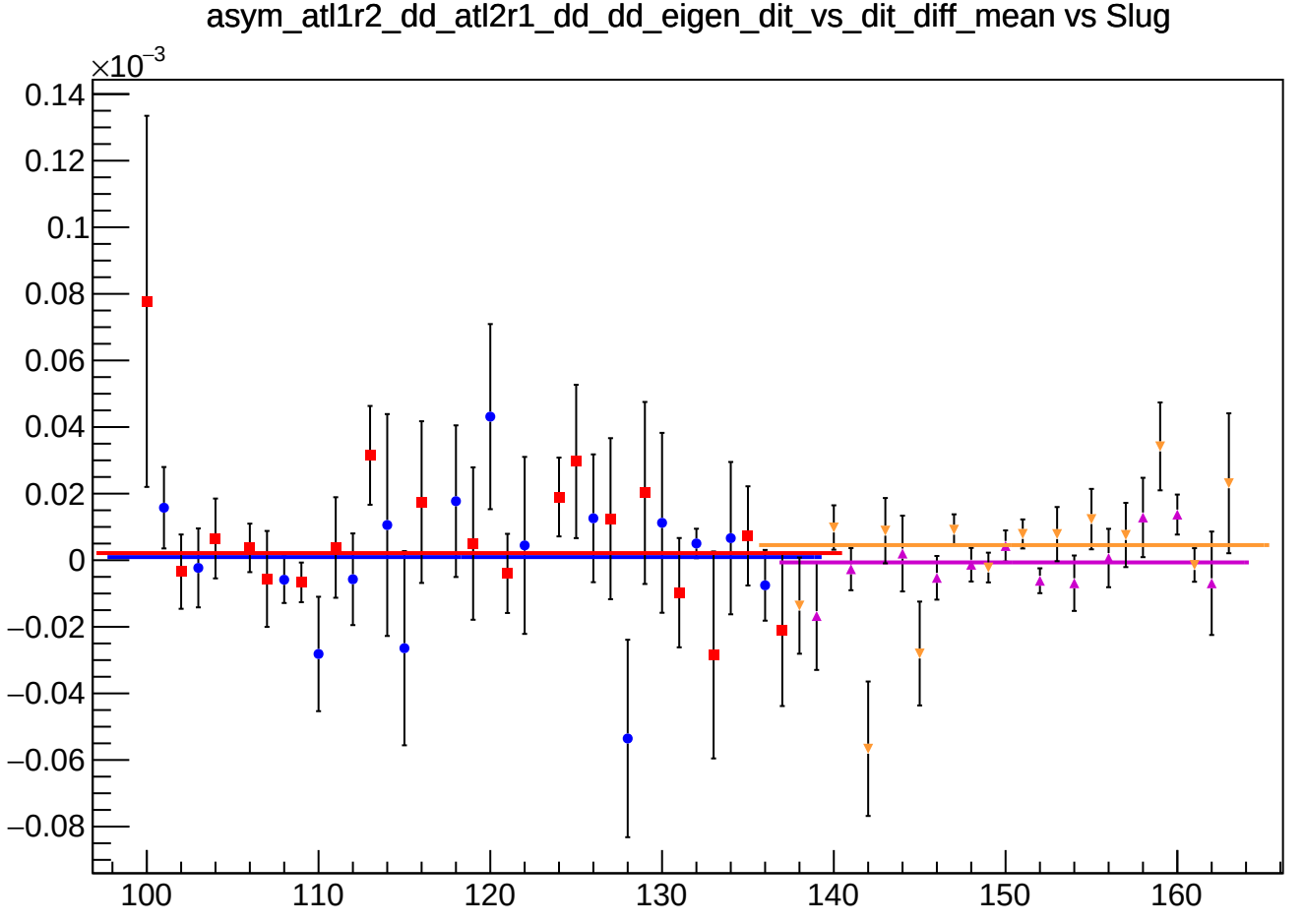
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214183.8/29

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

- sign 175.277+/-0.034 χ^2/NDF: 6982579.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

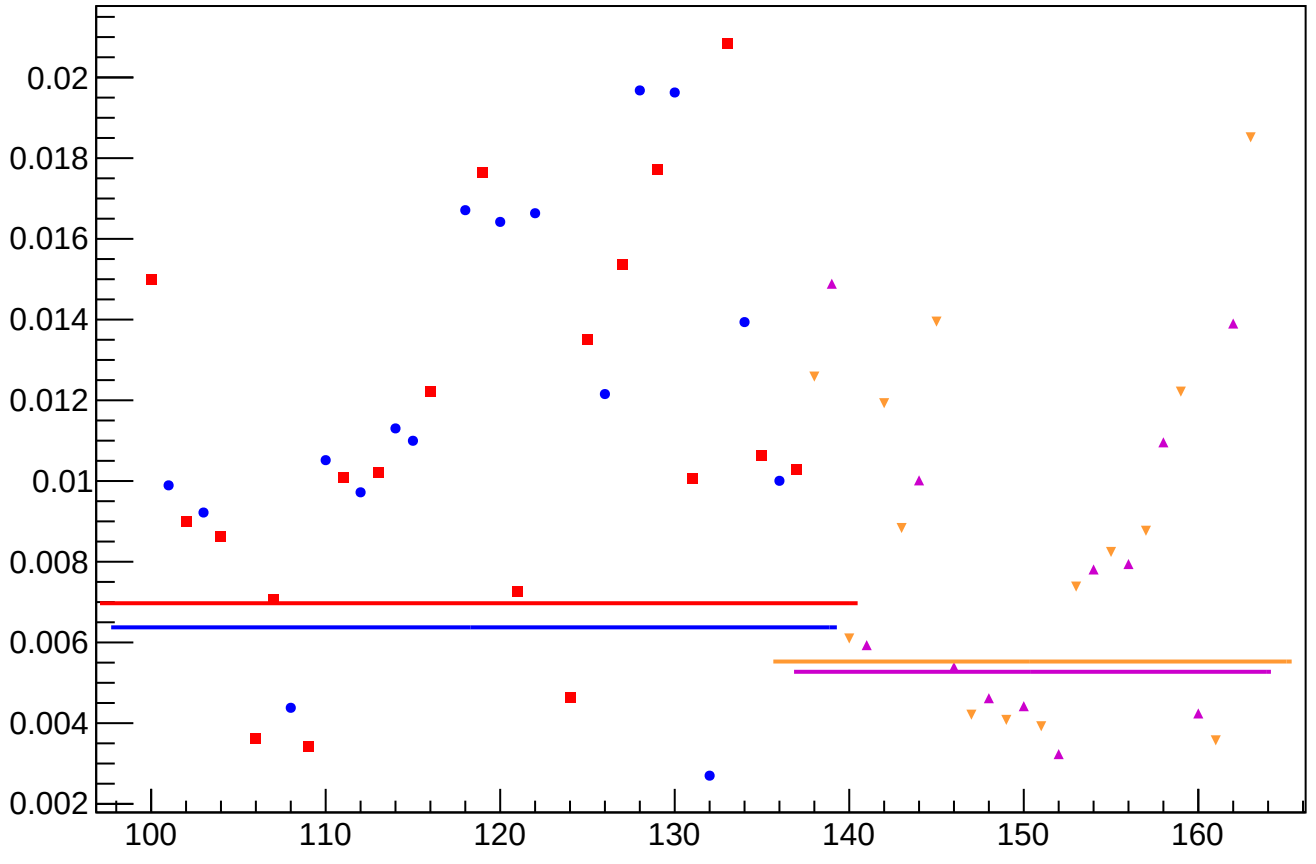
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/60

- sign 0.000+/-0.000 χ^2/NDF: 29.4/30



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

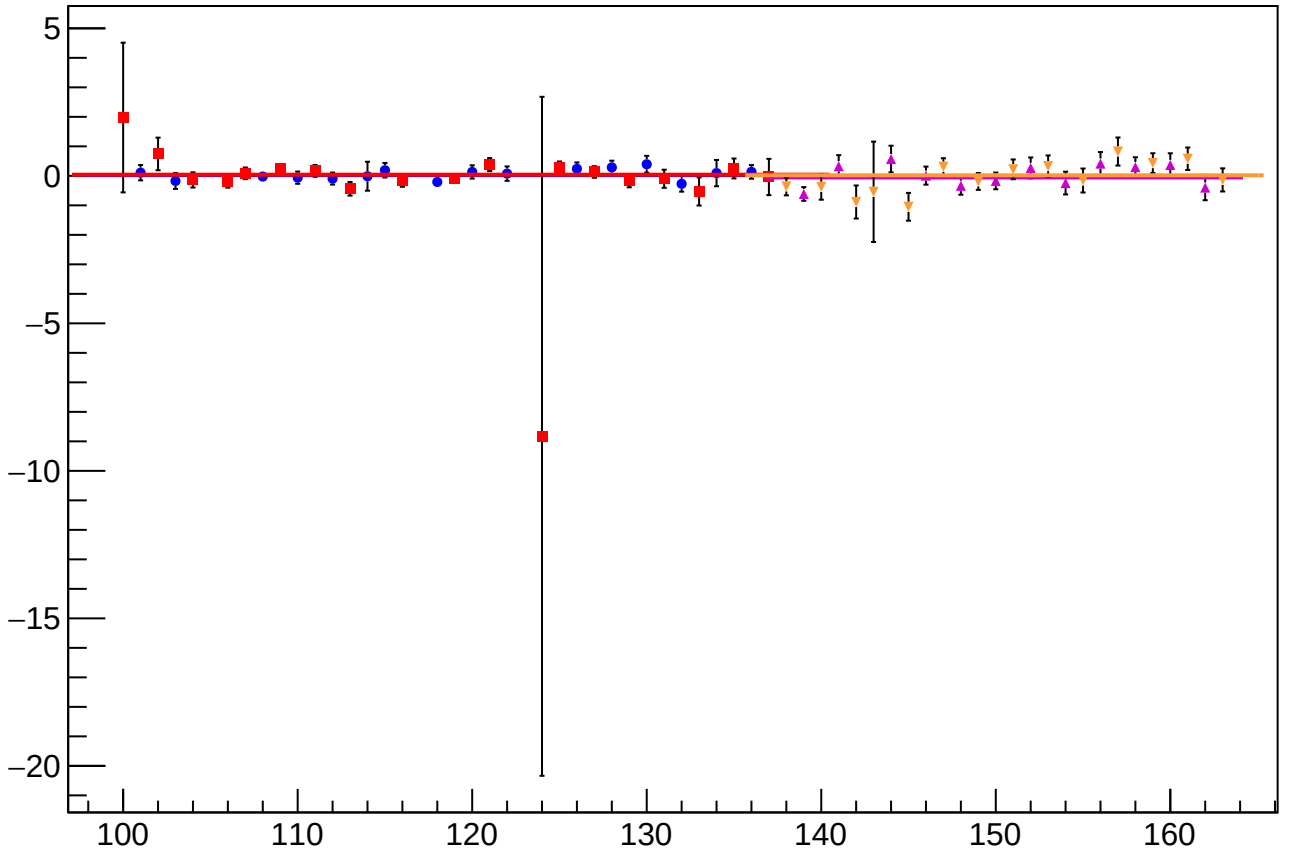
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

+ sign 0.006+/-0.000 χ^2/NDF: 8989690.5/29

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

- sign 0.006+/-0.000 χ^2/NDF: 7141849.9/30



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.020+/-0.101 χ^2/NDF:19.8/13

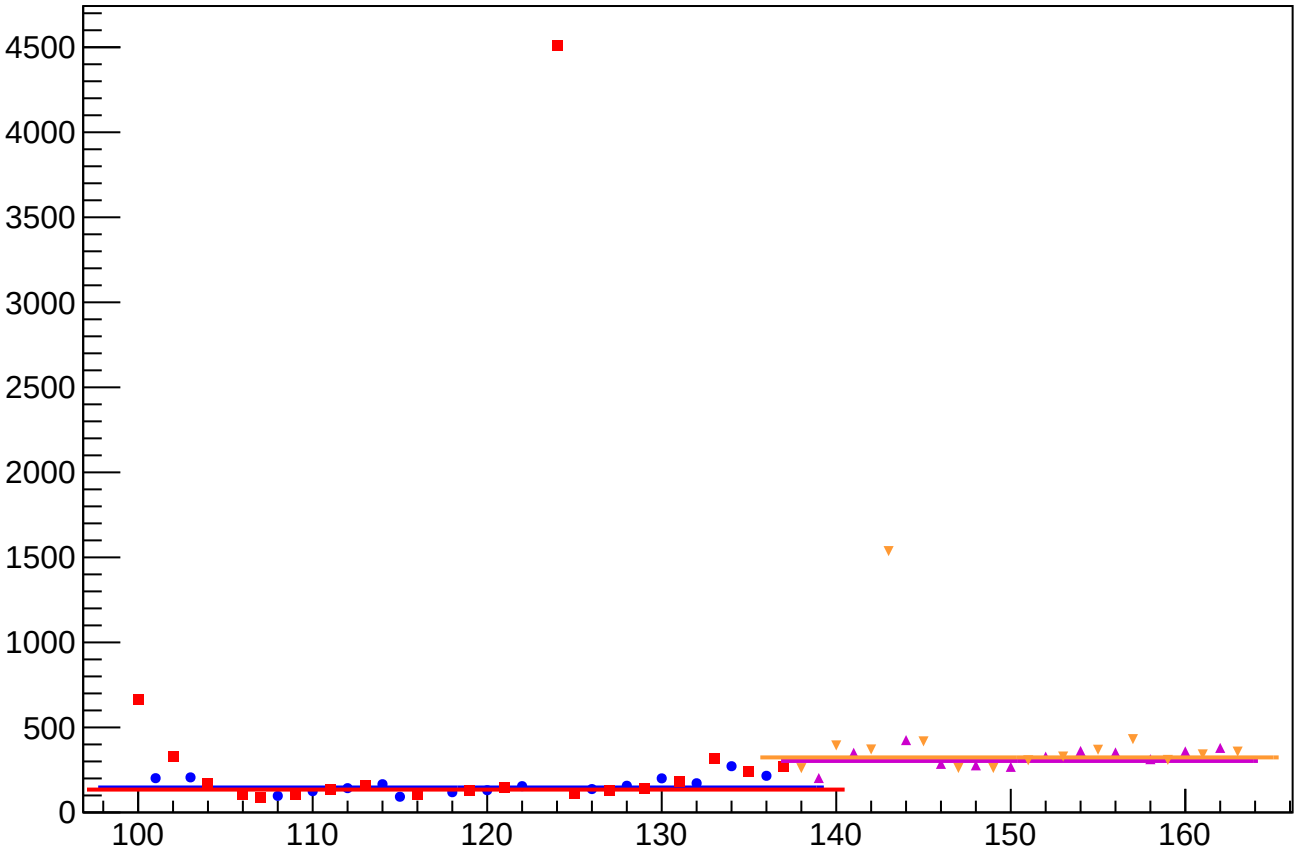
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.055+/-0.097 χ^2/NDF:15.2/11

+ sign 0.026+/-0.050 χ^2/NDF: 29.2/29

All: 0.021+/-0.035 χ^2/NDF: 65.2/60

- sign 0.016+/-0.048 χ^2/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 323.717+/-0.071 χ^2/NDF:1595999.4/13

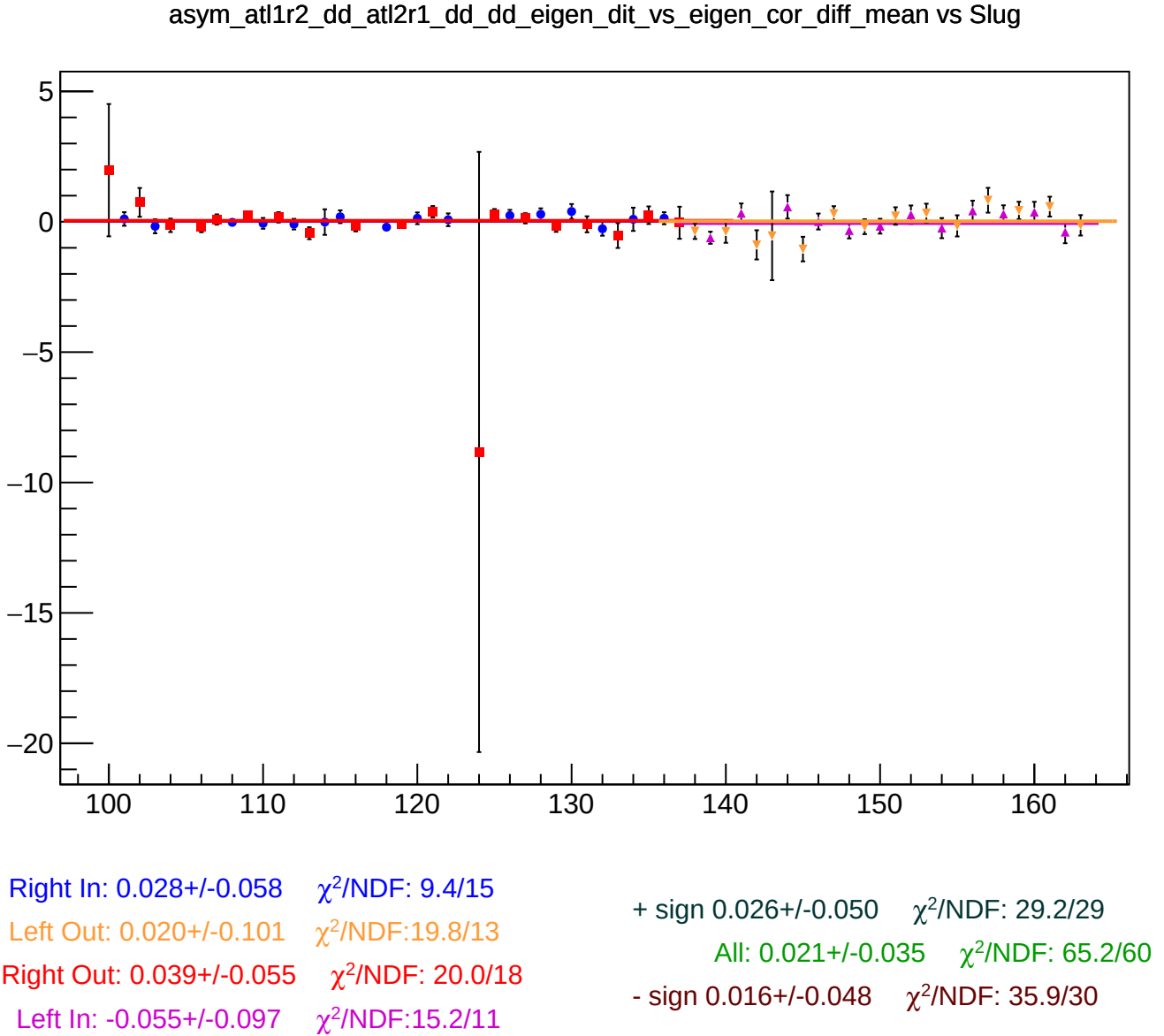
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

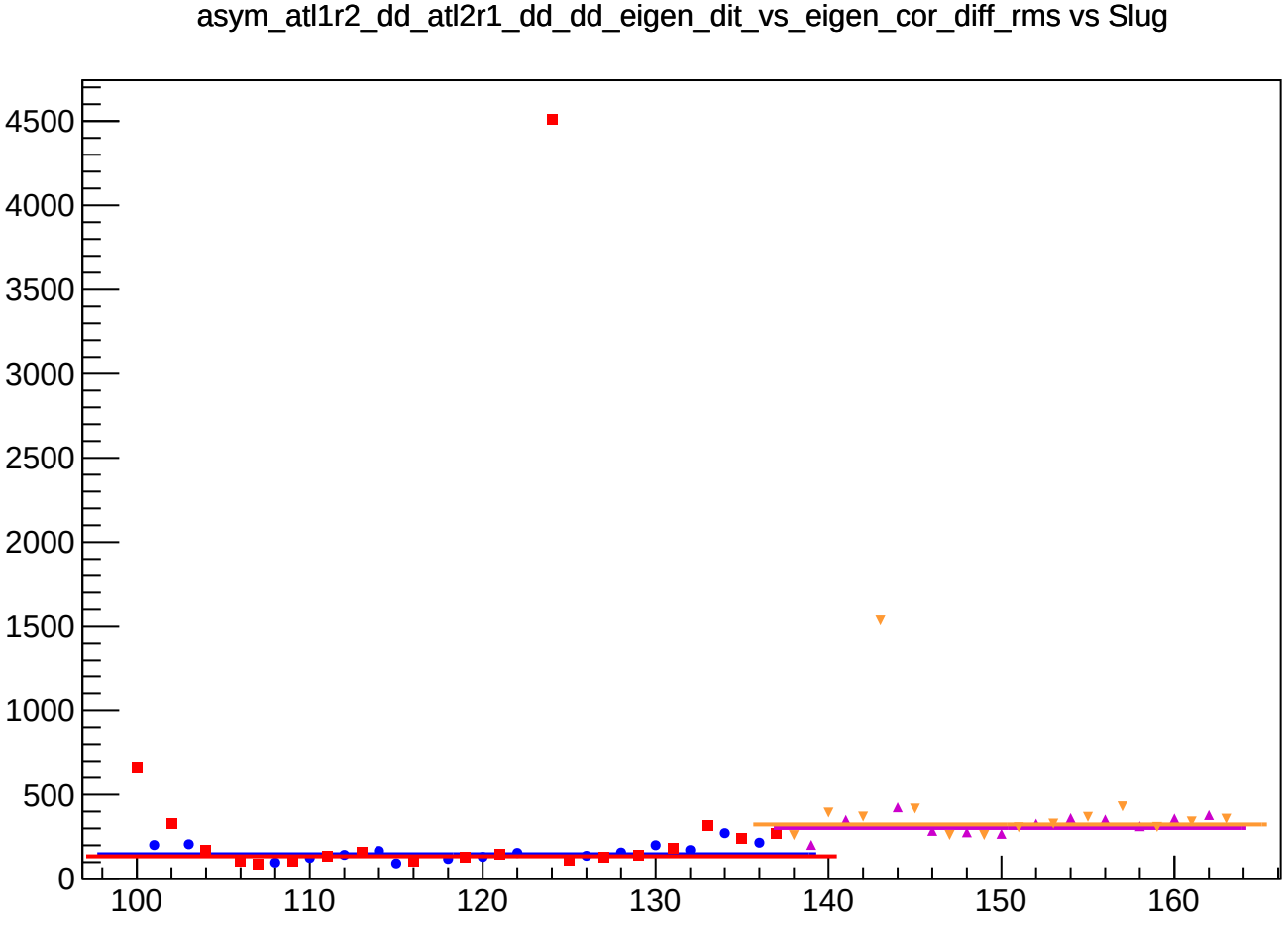
Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

- sign 175.278+/-0.034 χ^2/NDF: 6982546.0/30


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 0.028+/-0.058 χ²/NDF: 9.4/15
Left Out: 0.020+/-0.101 χ²/NDF:19.8/13
Right Out: 0.039+/-0.055 χ²/NDF: 20.0/18
Left In: -0.055+/-0.097 χ²/NDF:15.2/11
+ sign 0.026+/-0.050 χ²/NDF: 29.2/29
All: 0.021+/-0.035 χ²/NDF: 65.2/60
- sign 0.016+/-0.048 χ²/NDF: 35.9/30



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 323.717+/-0.071 χ^2/NDF:1595999.4/13

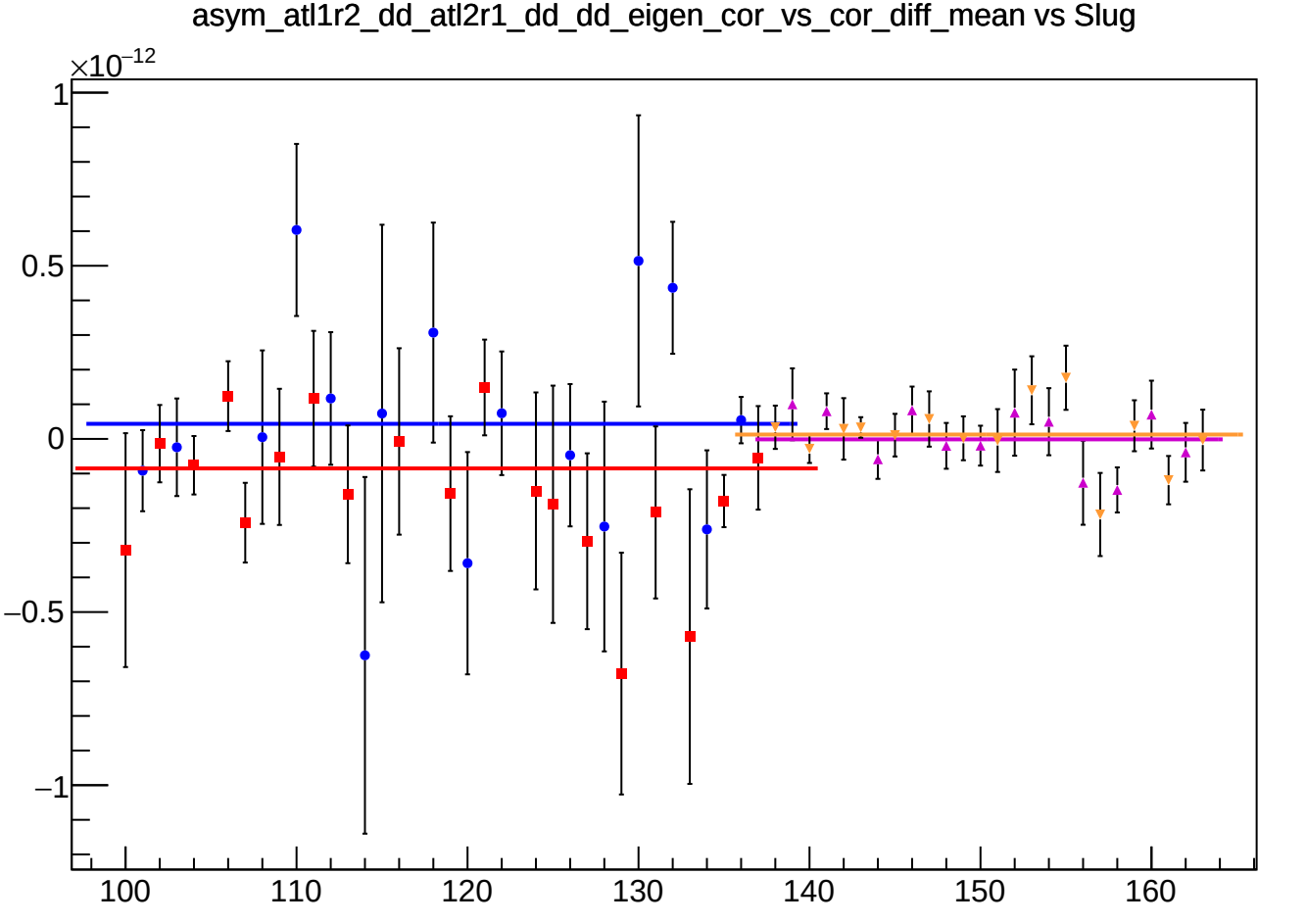
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

+ sign 190.306+/-0.035 χ^2/NDF: 7214274.6/29

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

- sign 175.278+/-0.034 χ^2/NDF: 6982546.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

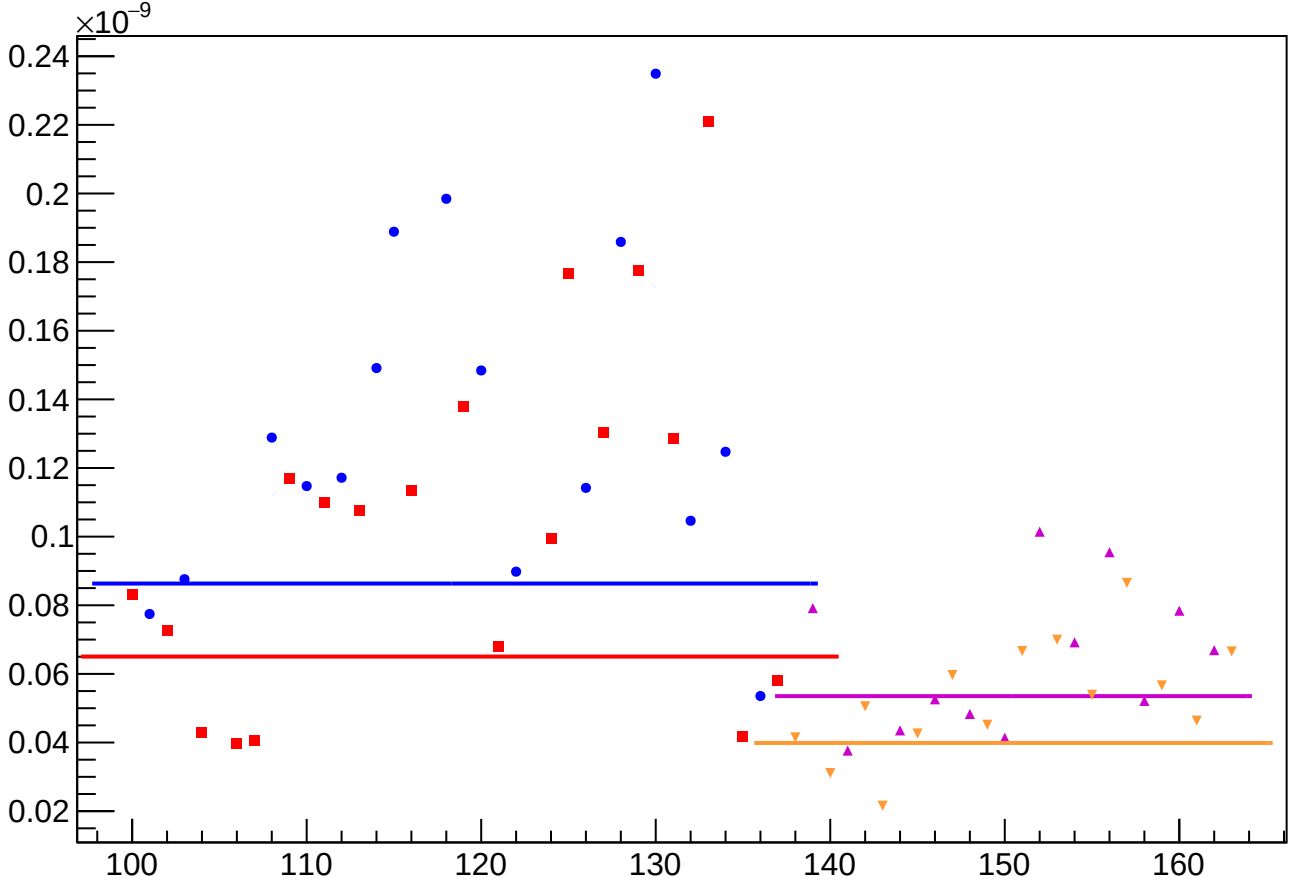
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 33.7/29

All: -0.000+/-0.000 χ^2/NDF: 72.9/60

- sign -0.000+/-0.000 χ^2/NDF: 36.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

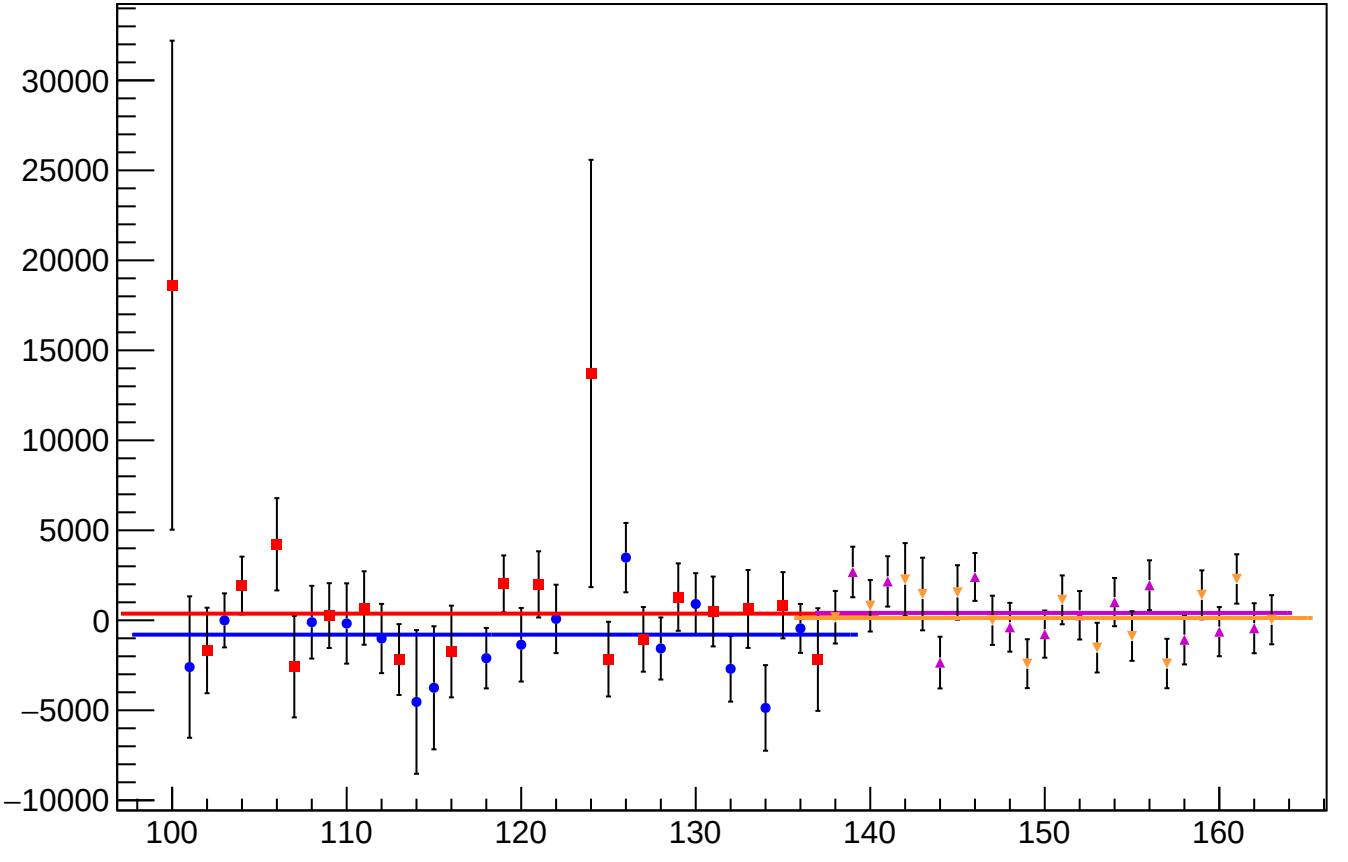
Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 5665960.8/29

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3566079.8/30

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

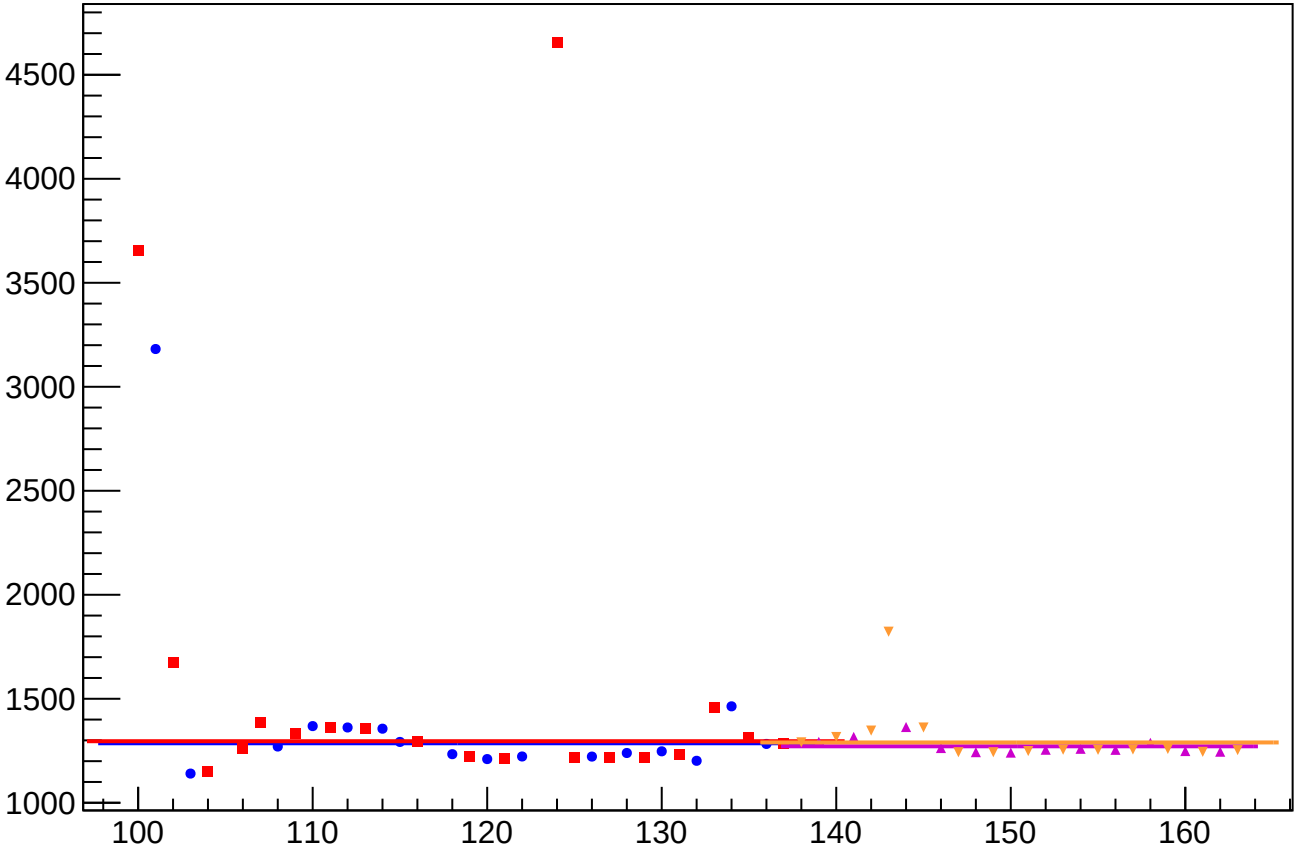
Left In: 409.673+/-395.121 χ^2/NDF:14.9/11

+ sign -230.021+/-302.895 χ^2/NDF: 31.1/29

All: 78.201+/-215.456 χ^2/NDF: 63.6/60

- sign 393.882+/-306.539 χ^2/NDF: 30.5/30

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

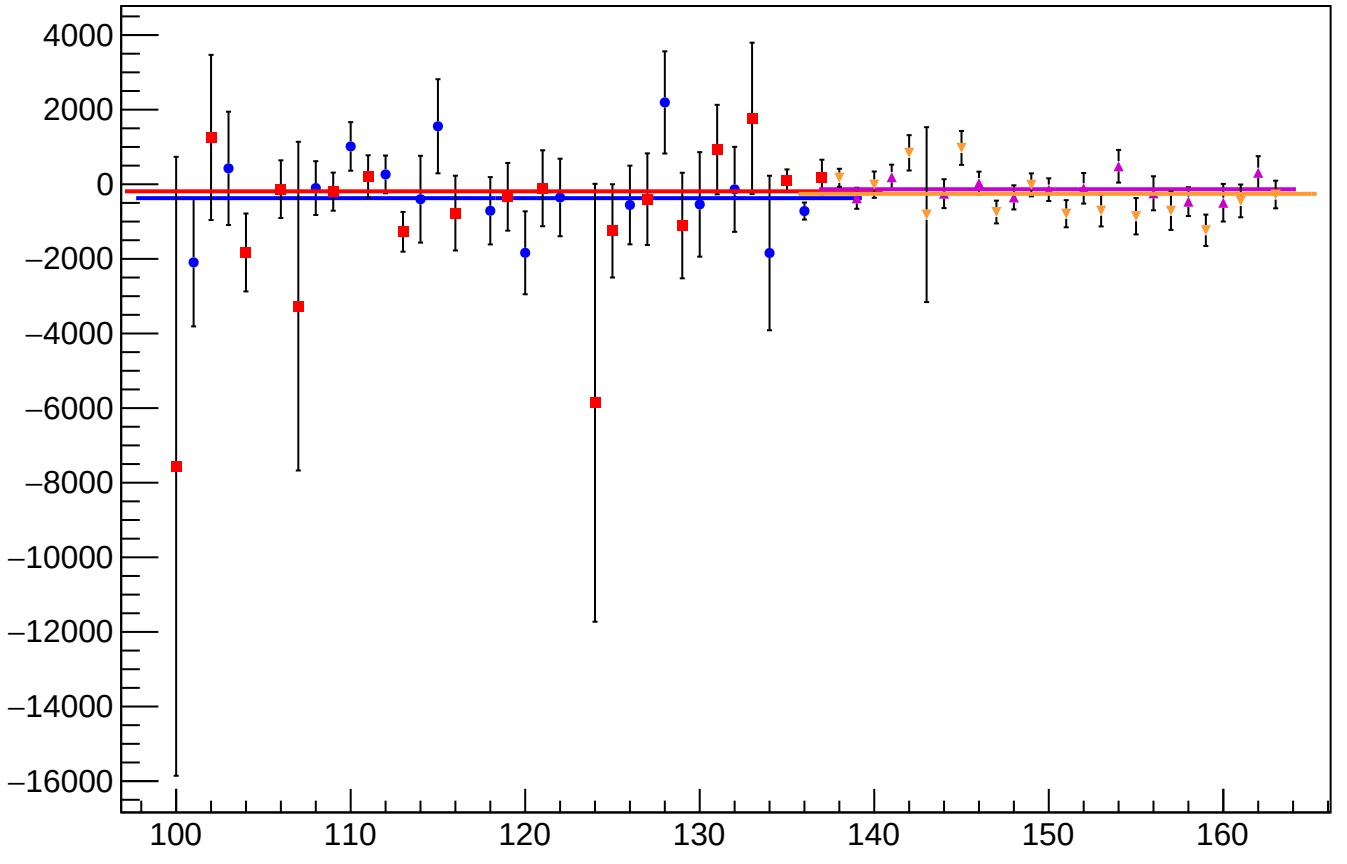
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679485.7/29

All: 1284.913+/-0.152 χ^2/NDF: 1026364.0/60

- sign 1281.237+/-0.217 χ^2/NDF: 346309.9/30



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -256.427+/-102.449 χ^2/NDF:30.8/13

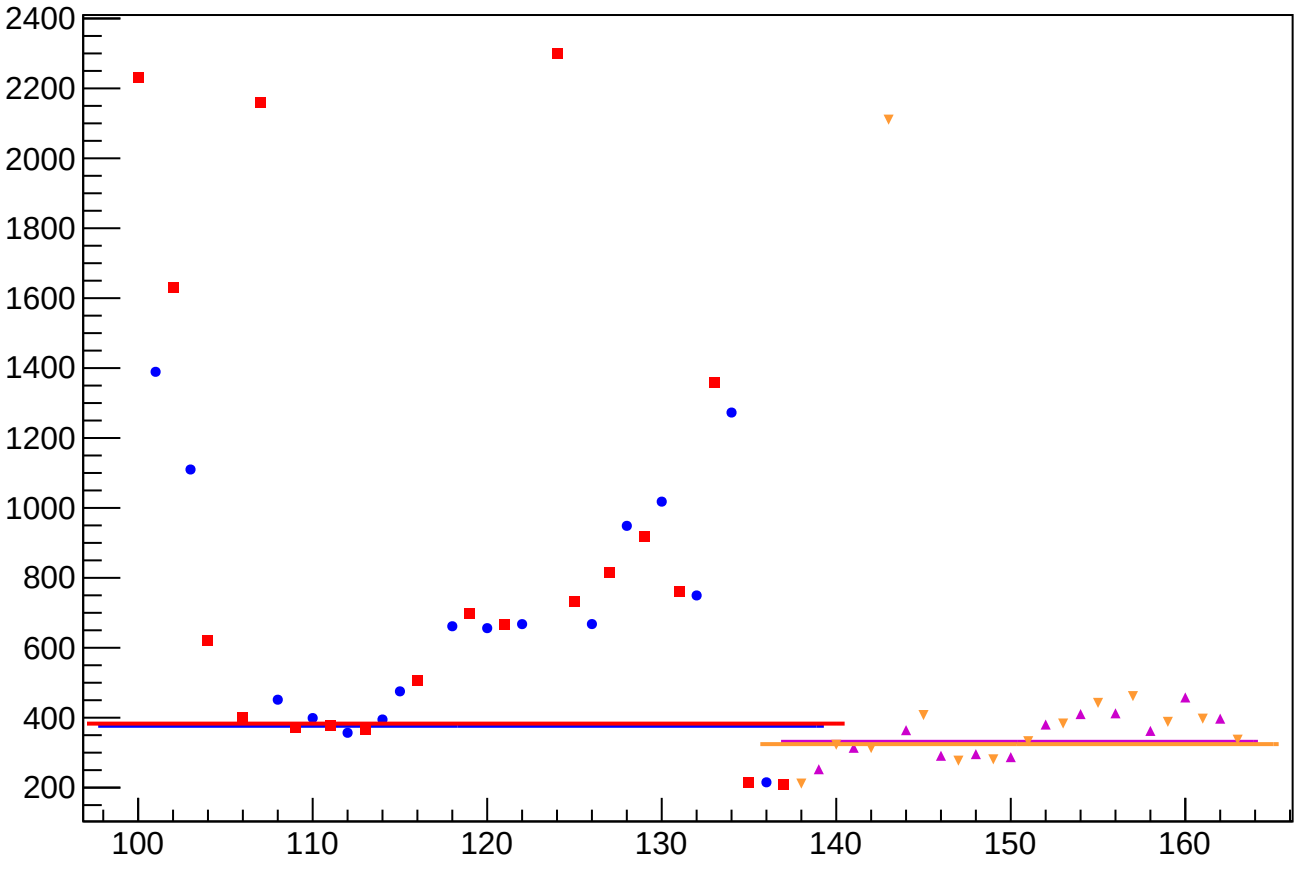
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -133.107+/-104.958 χ^2/NDF:6.8/11

+ sign -287.788+/-87.497 χ^2/NDF: 49.3/29

All: -219.558+/-62.479 χ^2/NDF: 72.1/60

- sign -148.573+/-89.246 χ^2/NDF: 21.5/30



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 324.425+/-0.072 χ^2/NDF:2158928.8/13

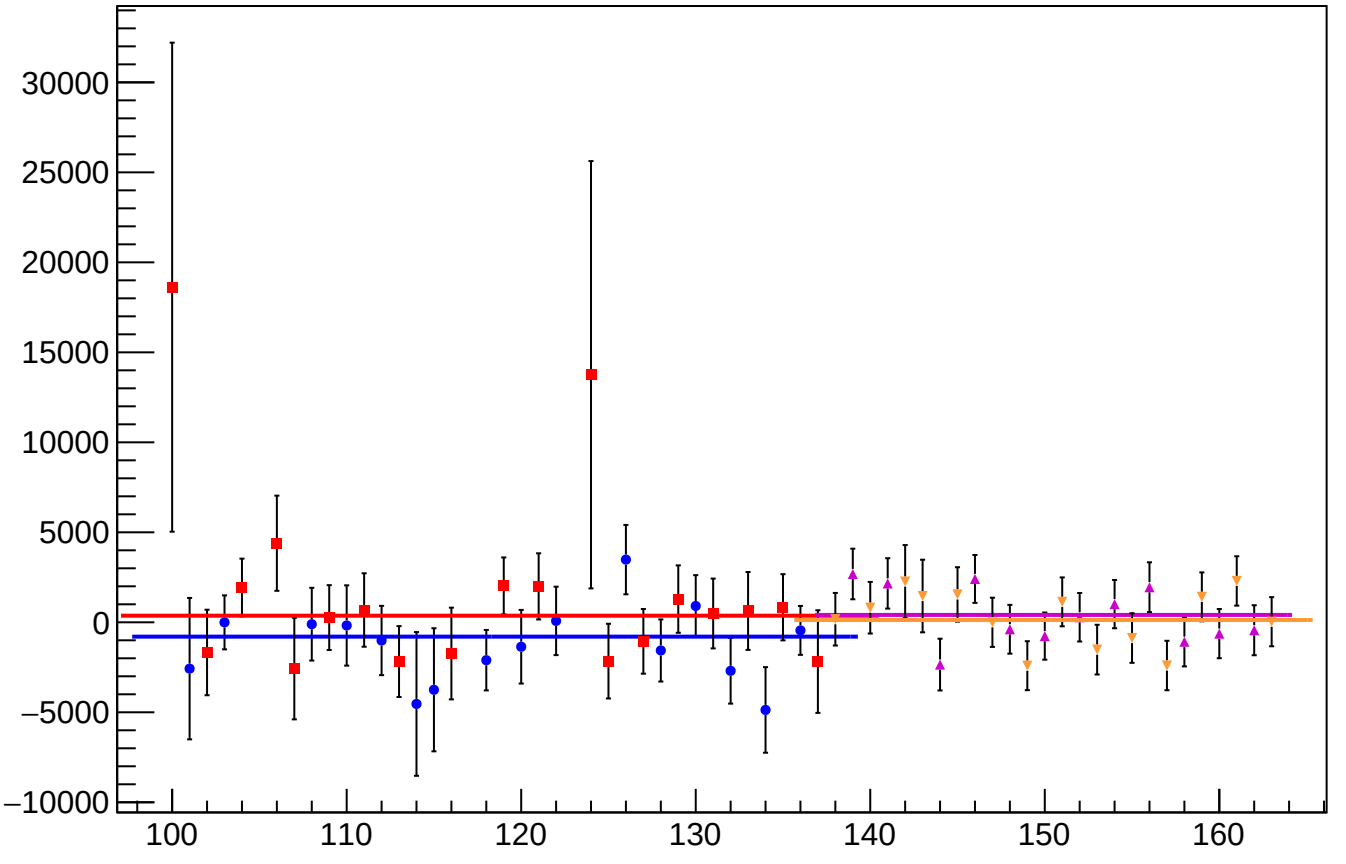
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.002+/-0.074 χ^2/NDF:615995.3/11

+ sign 338.622+/-0.062 χ^2/NDF: 6491064.1/29

All: 341.956+/-0.044 χ^2/NDF: 11303458.3/60

- sign 345.425+/-0.063 χ^2/NDF: 4806469.9/30



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

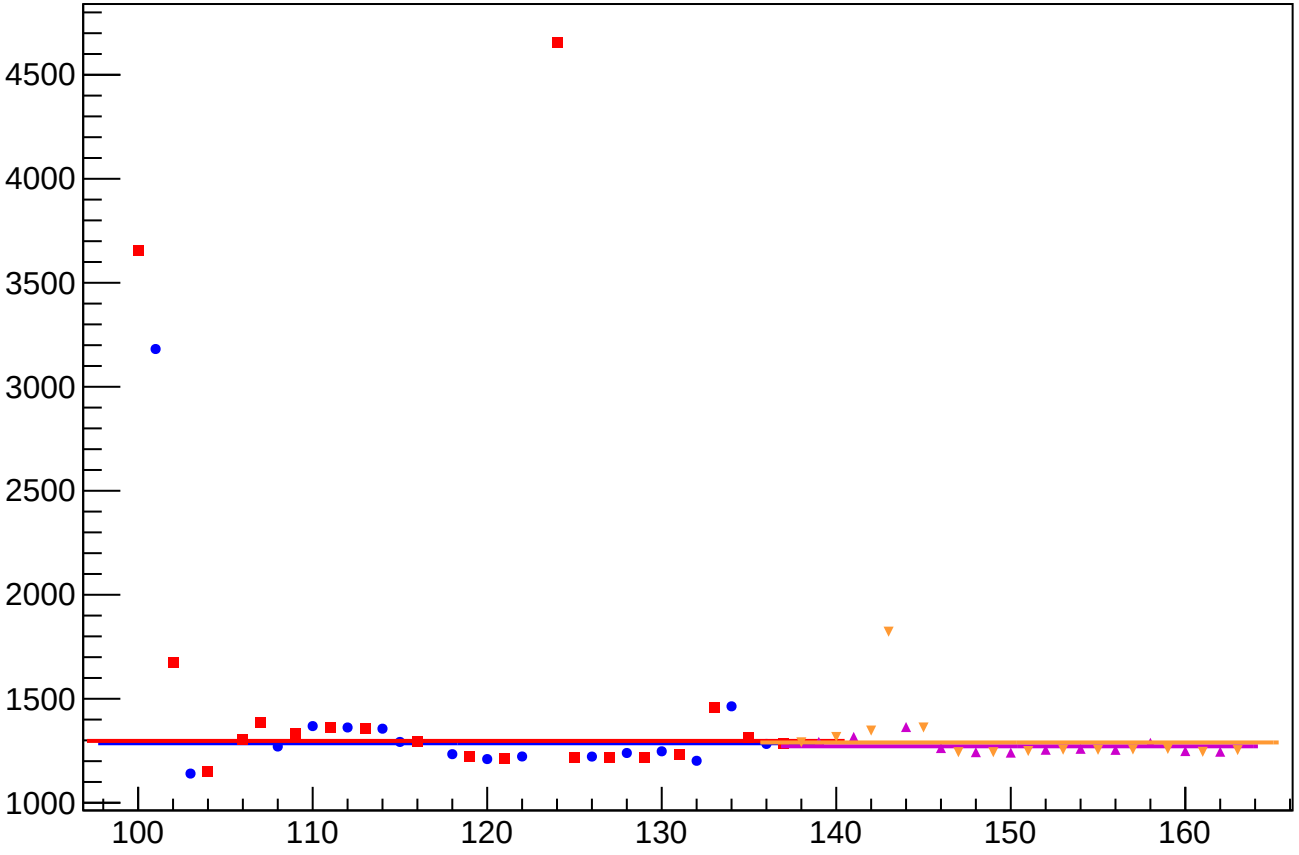
Left In: 409.657+/-395.121 χ^2/NDF:14.9/11

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 77.674+/-215.502 χ^2/NDF: 63.7/60

- sign 392.886+/-306.670 χ^2/NDF: 30.5/30

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

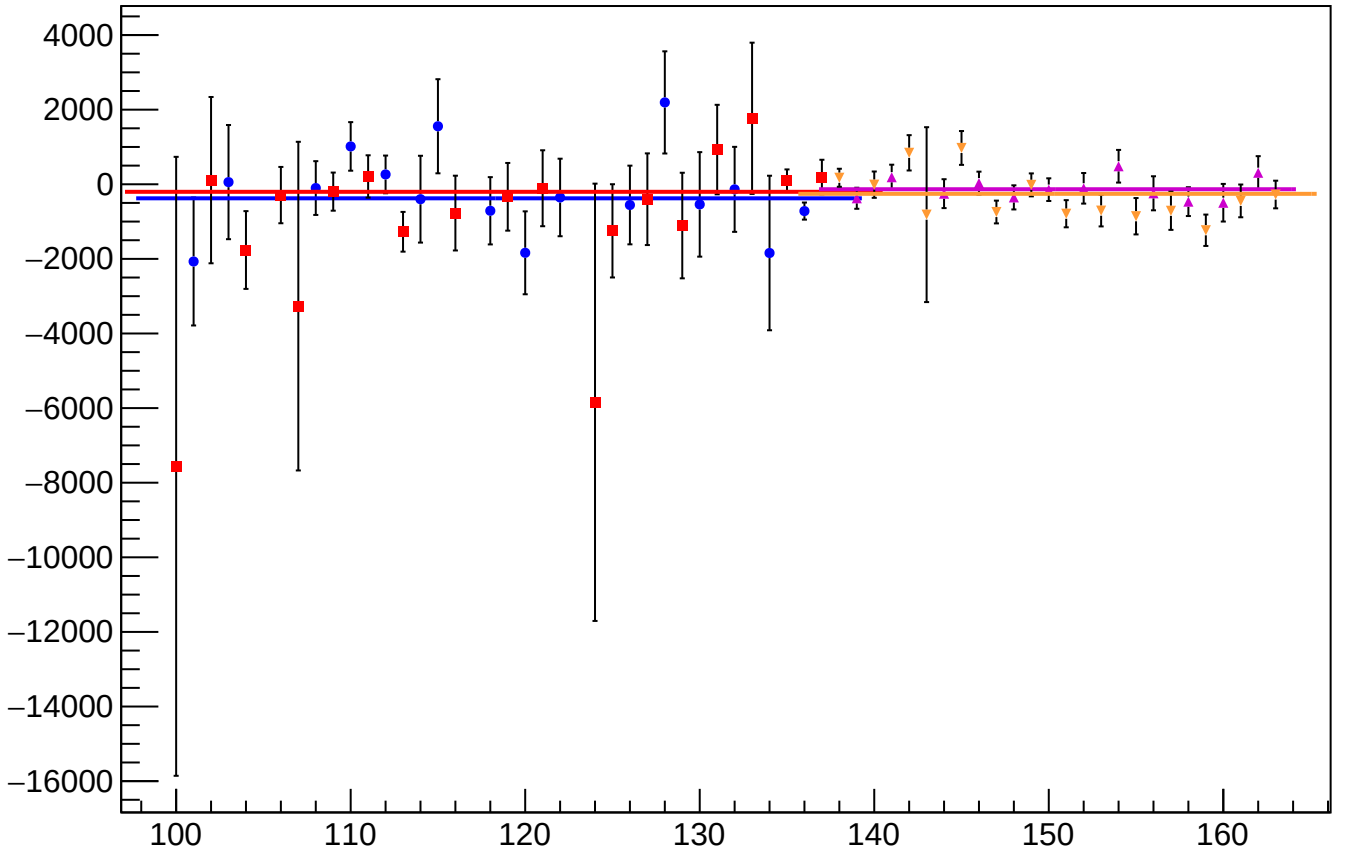
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

- sign 1281.801+/-0.217 χ^2/NDF: 346349.6/30



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -256.426+/-102.451 χ^2/NDF:30.8/13

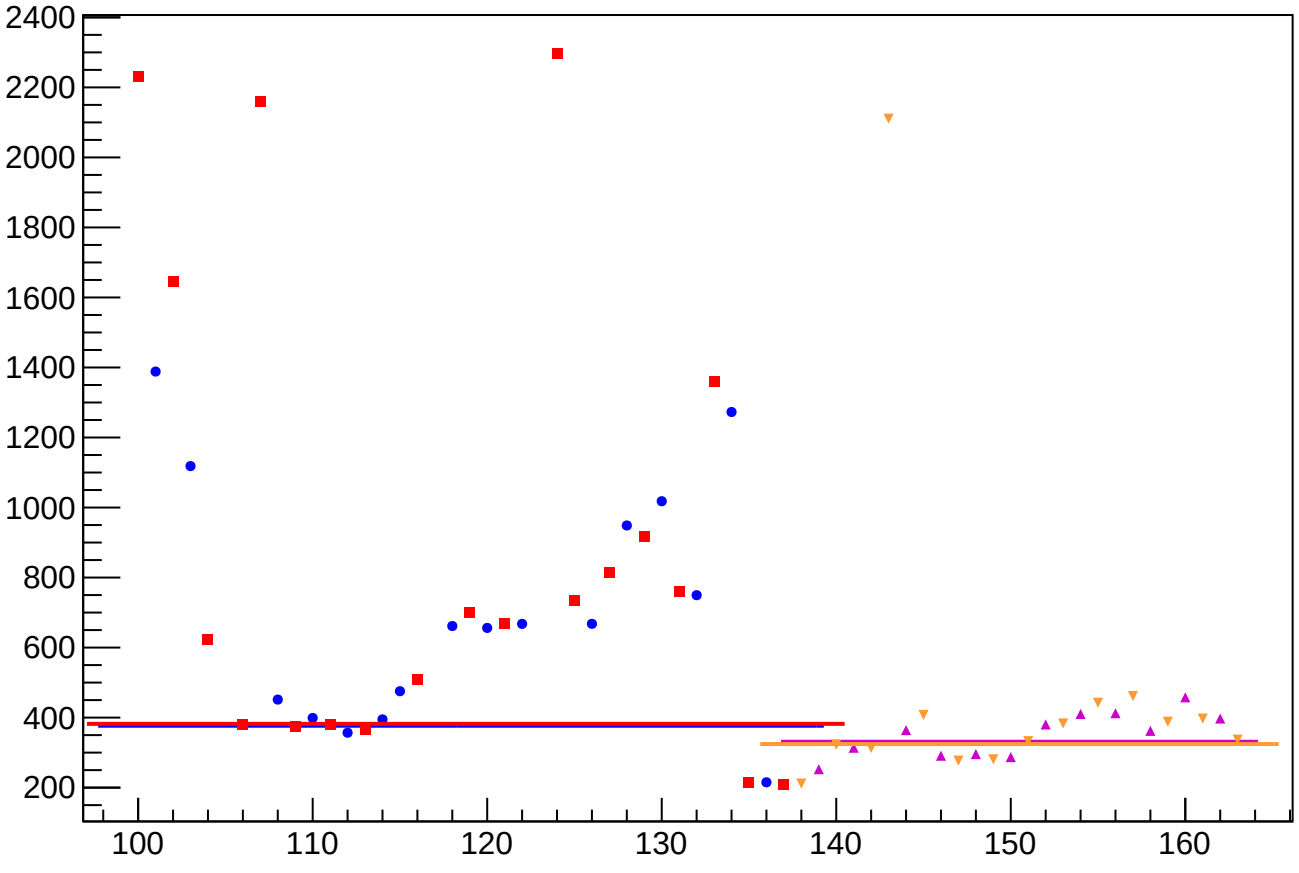
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -133.126+/-104.958 χ^2/NDF:6.8/11

+ sign -288.985+/-87.501 χ^2/NDF: 49.1/29

All: -221.958+/-62.470 χ^2/NDF: 71.3/60

- sign -152.275+/-89.217 χ^2/NDF: 21.0/30



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 324.434+/-0.072 χ^2/NDF:2158816.7/13

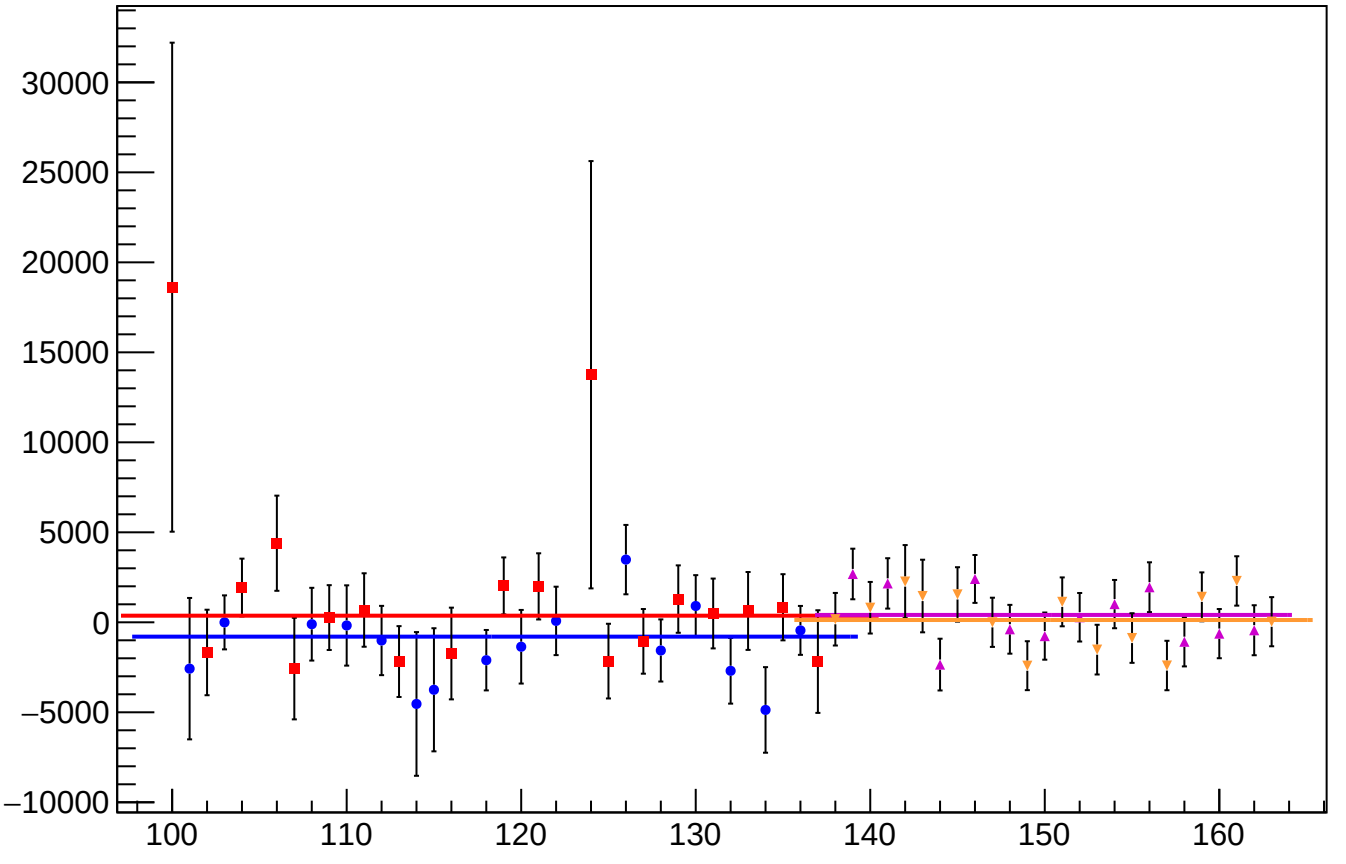
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60

- sign 345.188+/-0.063 χ^2/NDF: 4807408.5/30



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

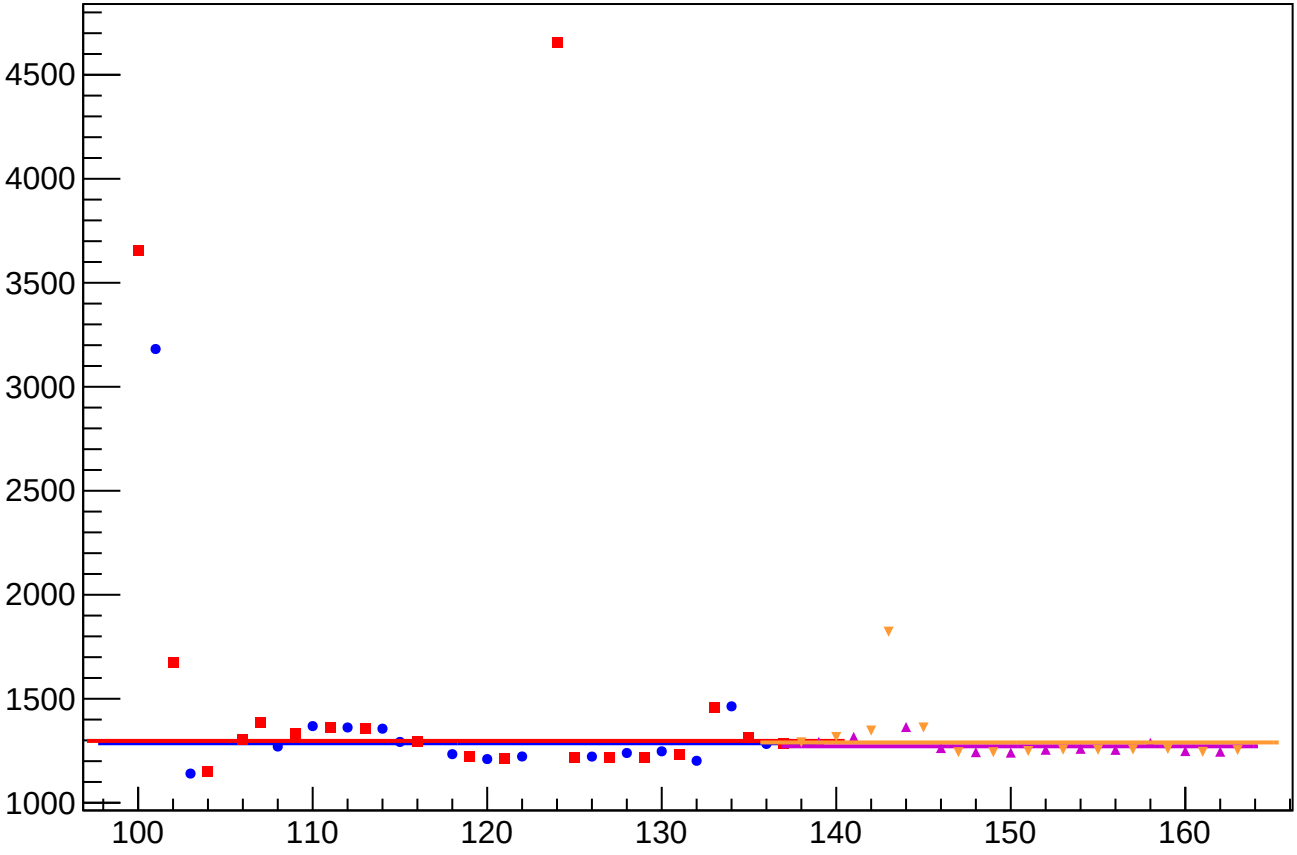
Left In: 409.657+/-395.121 χ^2/NDF:14.9/11

+ sign -229.824+/-302.895 χ^2/NDF: 31.1/29

All: 77.674+/-215.502 χ^2/NDF: 63.7/60

- sign 392.886+/-306.670 χ^2/NDF: 30.5/30

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: 1290.015+/-0.273 χ^2/NDF:161279.4/13

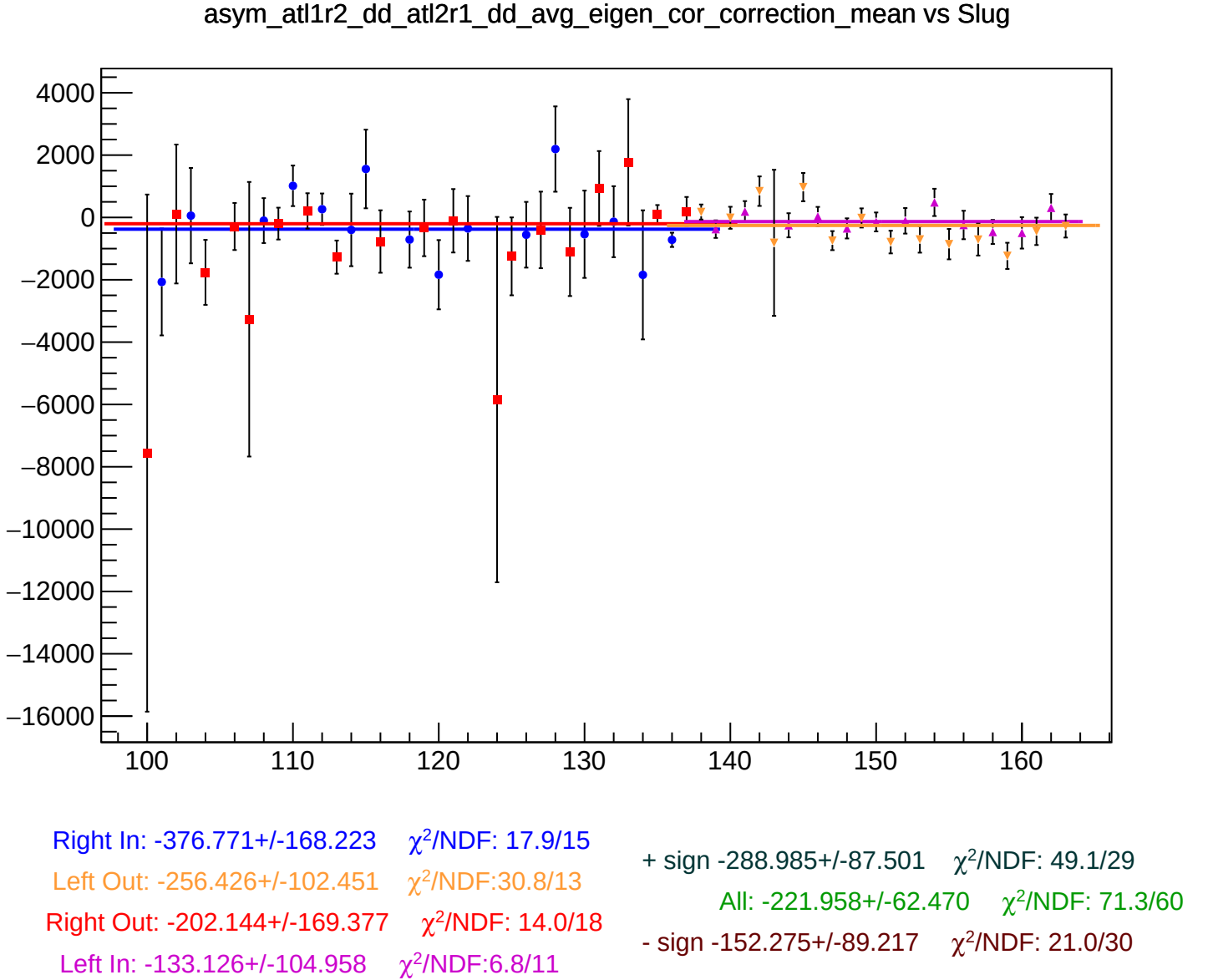
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

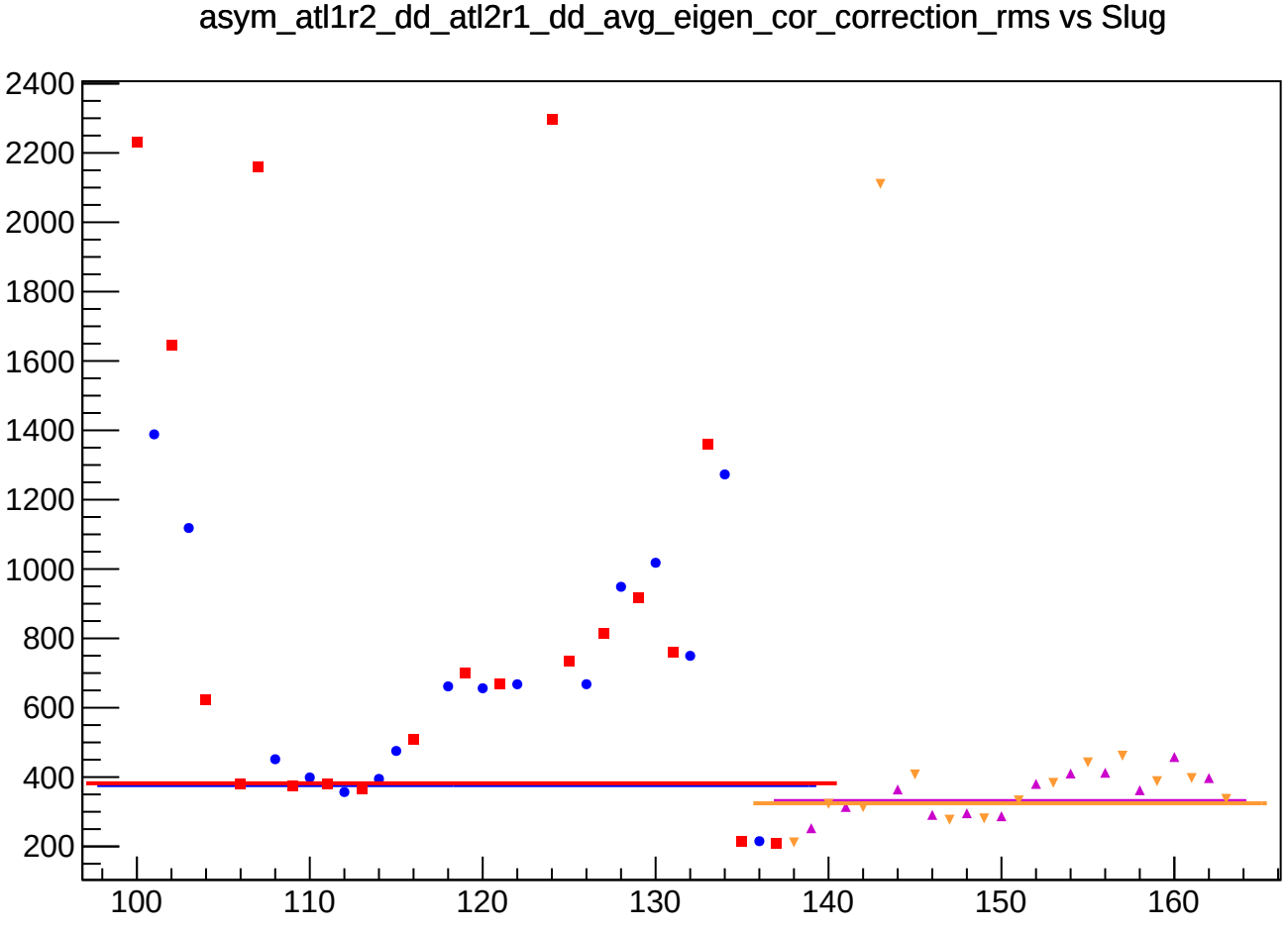
Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

+ sign 1288.502+/-0.214 χ^2/NDF: 679487.1/29

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

- sign 1281.801+/-0.217 χ^2/NDF: 346349.6/30


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -256.426+/-102.451 χ²/NDF:30.8/13
Right Out: -202.144+/-169.377 χ²/NDF: 14.0/18
Left In: -133.126+/-104.958 χ²/NDF:6.8/11
+ sign -288.985+/-87.501 χ²/NDF: 49.1/29
All: -221.958+/-62.470 χ²/NDF: 71.3/60
- sign -152.275+/-89.217 χ²/NDF: 21.0/30



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

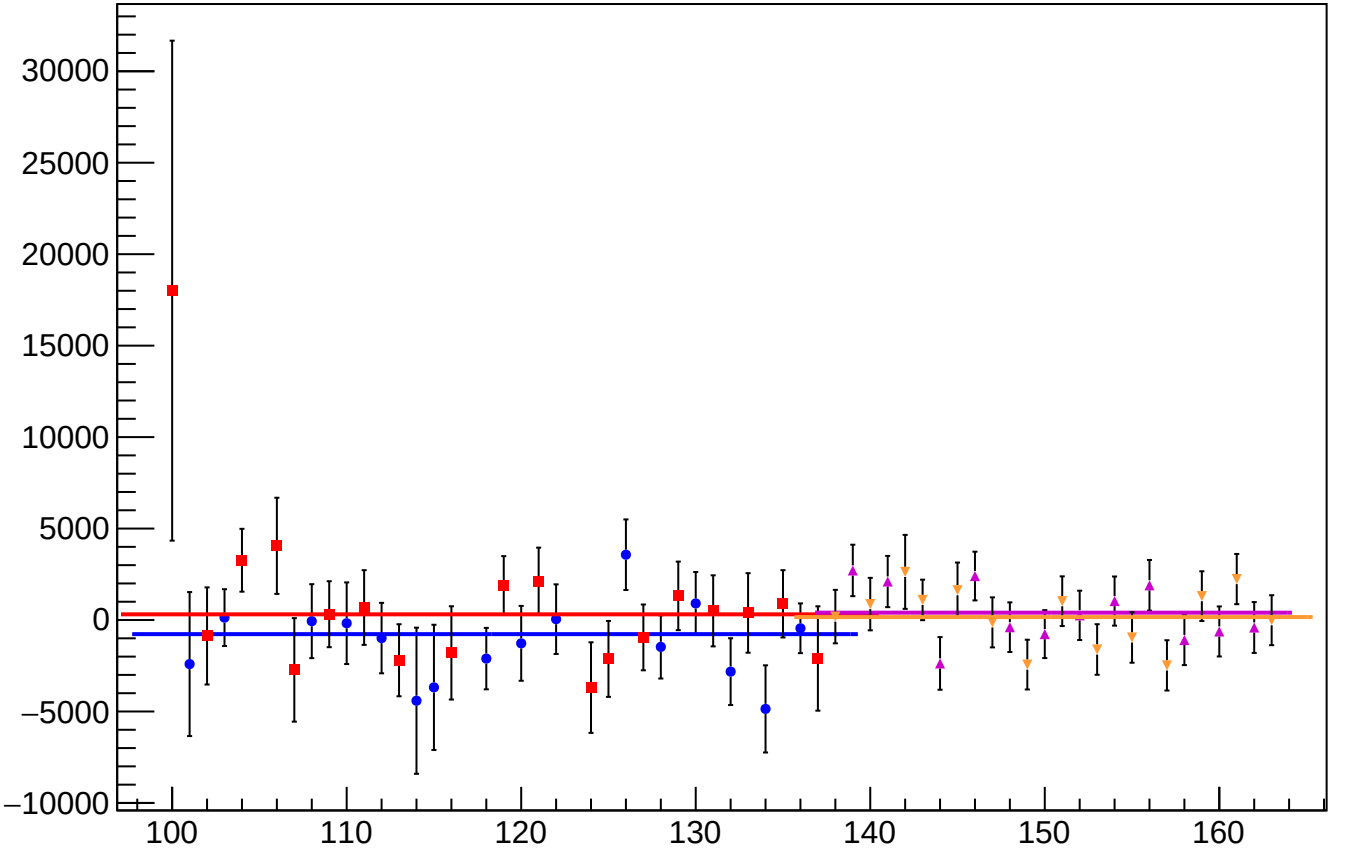
Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

+ sign 338.624+/-0.062 χ^2/NDF: 6493967.9/29

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60

- sign 345.188+/-0.063 χ^2/NDF: 4807408.5/30

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 161.019+/-371.308 χ^2/NDF:16.5/13

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

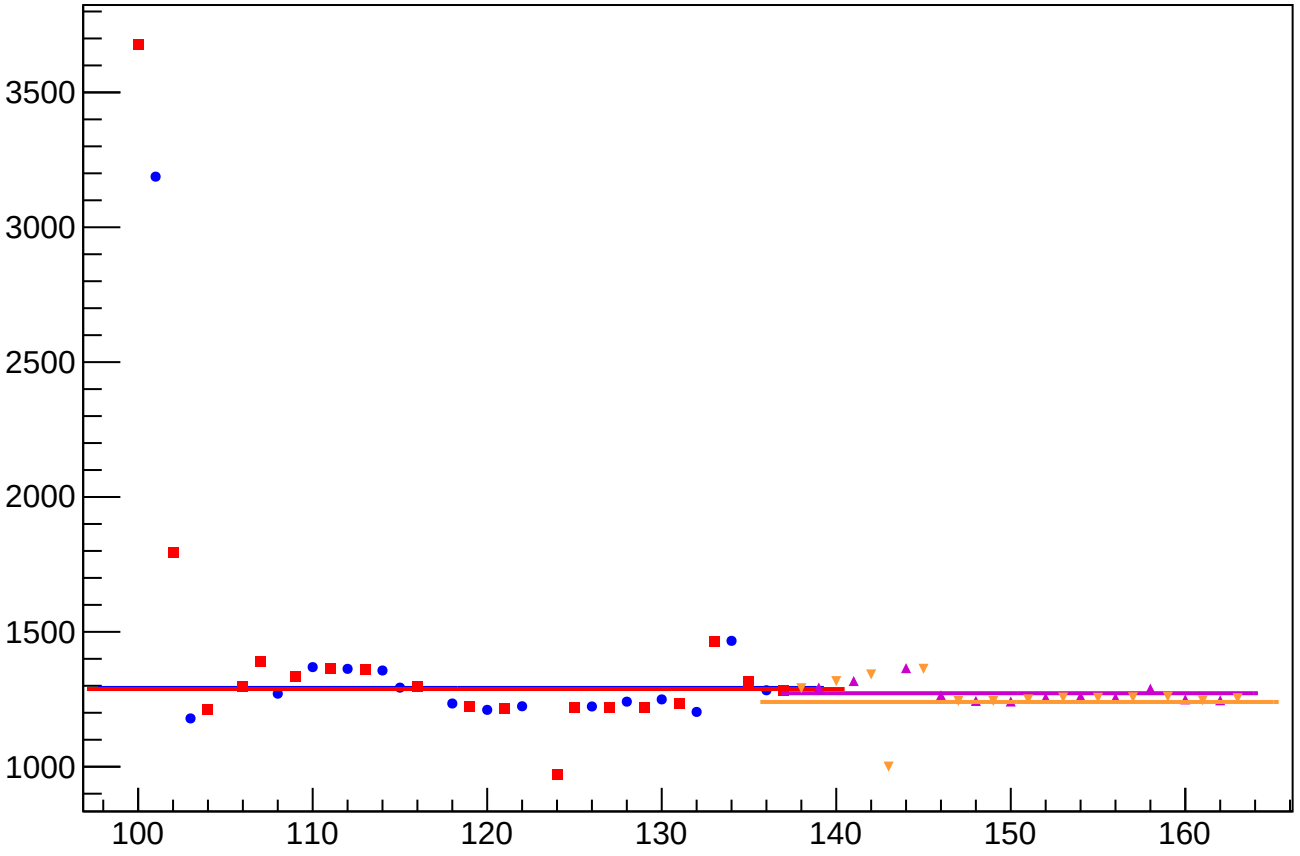
Left In: 402.430+/-395.437 χ^2/NDF:14.8/11

+ sign -179.481+/-295.851 χ^2/NDF: 32.4/29

All: 84.109+/-212.656 χ^2/NDF: 66.8/60

- sign 365.875+/-305.881 χ^2/NDF: 32.7/30

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

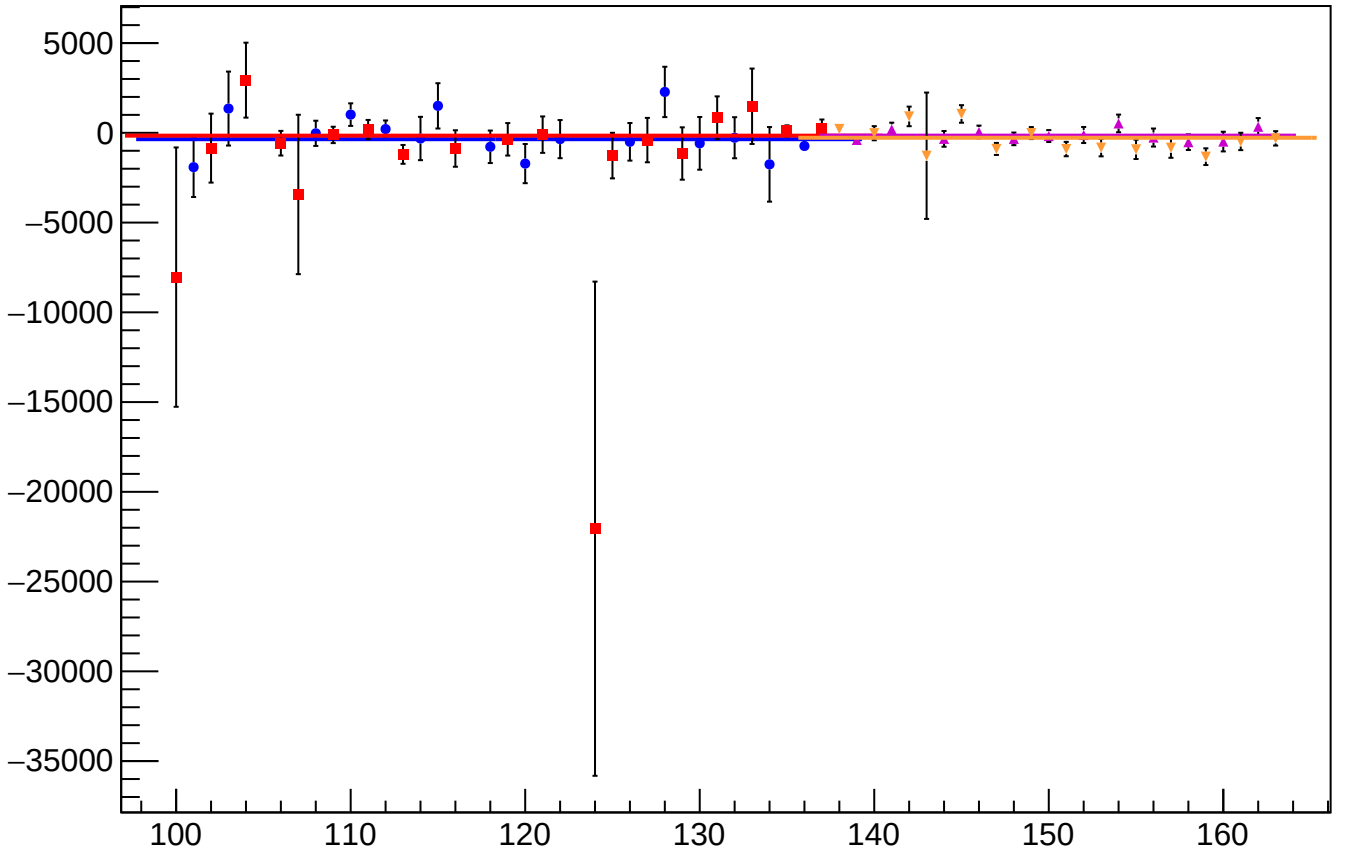
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

+ sign 1259.058+/-0.209 χ^2/NDF: 645618.5/29

All: 1268.569+/-0.150 χ^2/NDF: 875604.9/60

- sign 1278.735+/-0.216 χ^2/NDF: 225710.4/30



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -275.158+/-111.113 χ^2/NDF:32.2/13

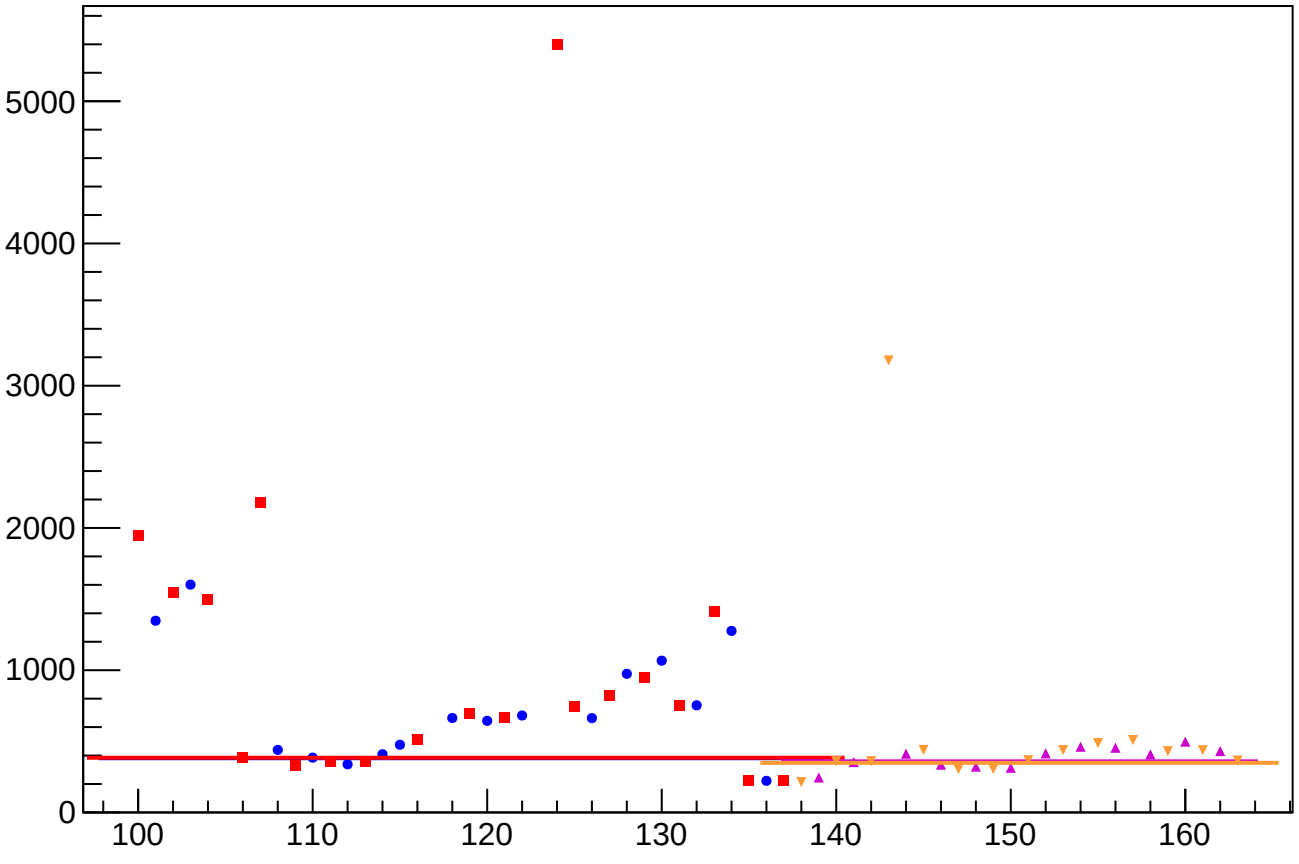
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -156.826+/-114.479 χ^2/NDF:6.4/11

+ sign -299.130+/-93.004 χ^2/NDF: 50.8/29

All: -229.580+/-66.423 χ^2/NDF: 74.2/60

- sign -157.170+/-94.897 χ^2/NDF: 22.3/30



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 348.822+/-0.079 χ^2/NDF:2546282.1/13

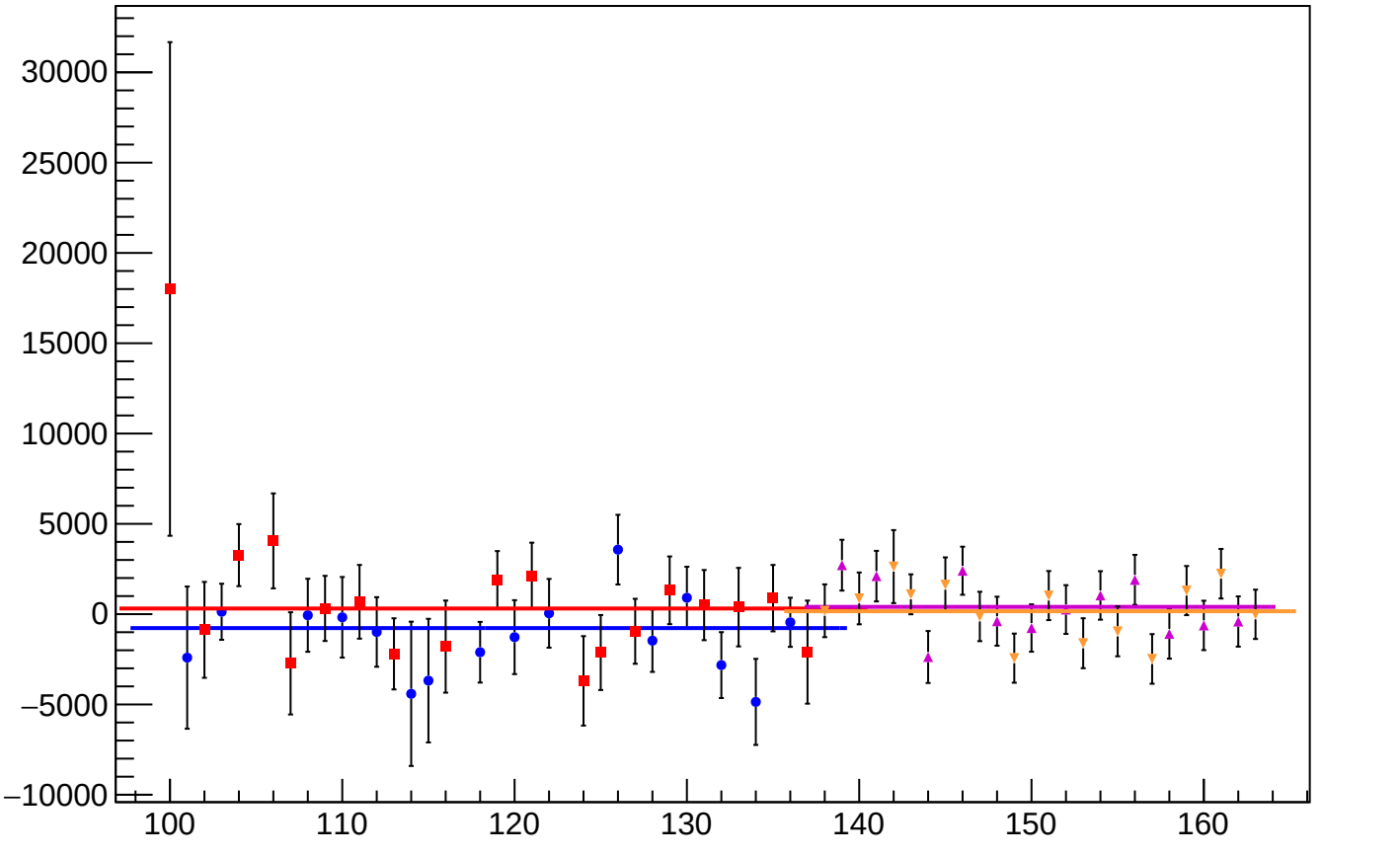
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.195+/-0.081 χ^2/NDF:823635.3/11

+ sign 358.561+/-0.066 χ^2/NDF: 6915519.5/29

All: 362.773+/-0.047 χ^2/NDF: 12338673.6/60

- sign 367.159+/-0.067 χ^2/NDF: 5414779.3/30



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 161.021+/-371.308 χ^2/NDF:16.5/13

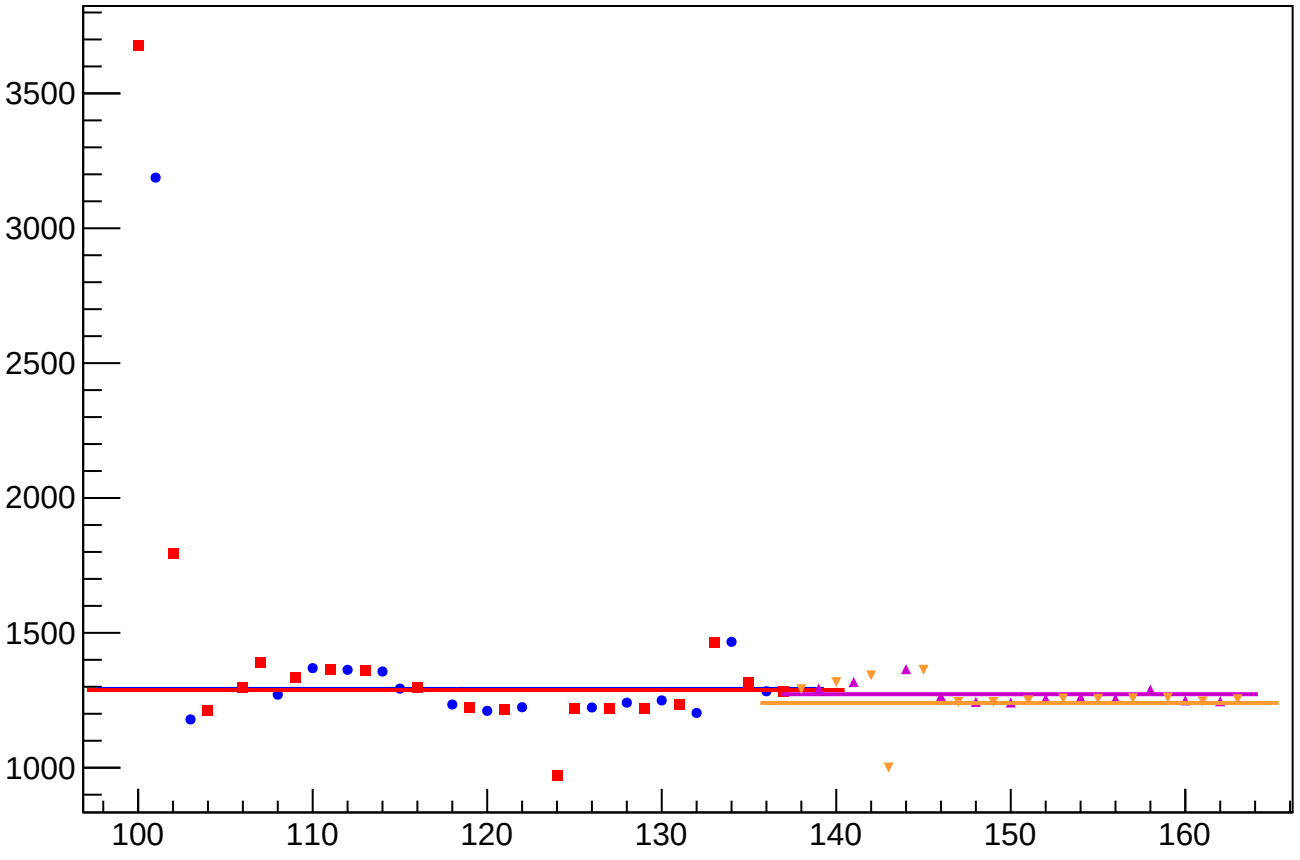
Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: 402.429+/-395.437 χ^2/NDF:14.8/11

+ sign -179.480+/-295.851 χ^2/NDF: 32.4/29

All: 84.109+/-212.656 χ^2/NDF: 66.8/60

- sign 365.875+/-305.881 χ^2/NDF: 32.7/30



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121917.2/13

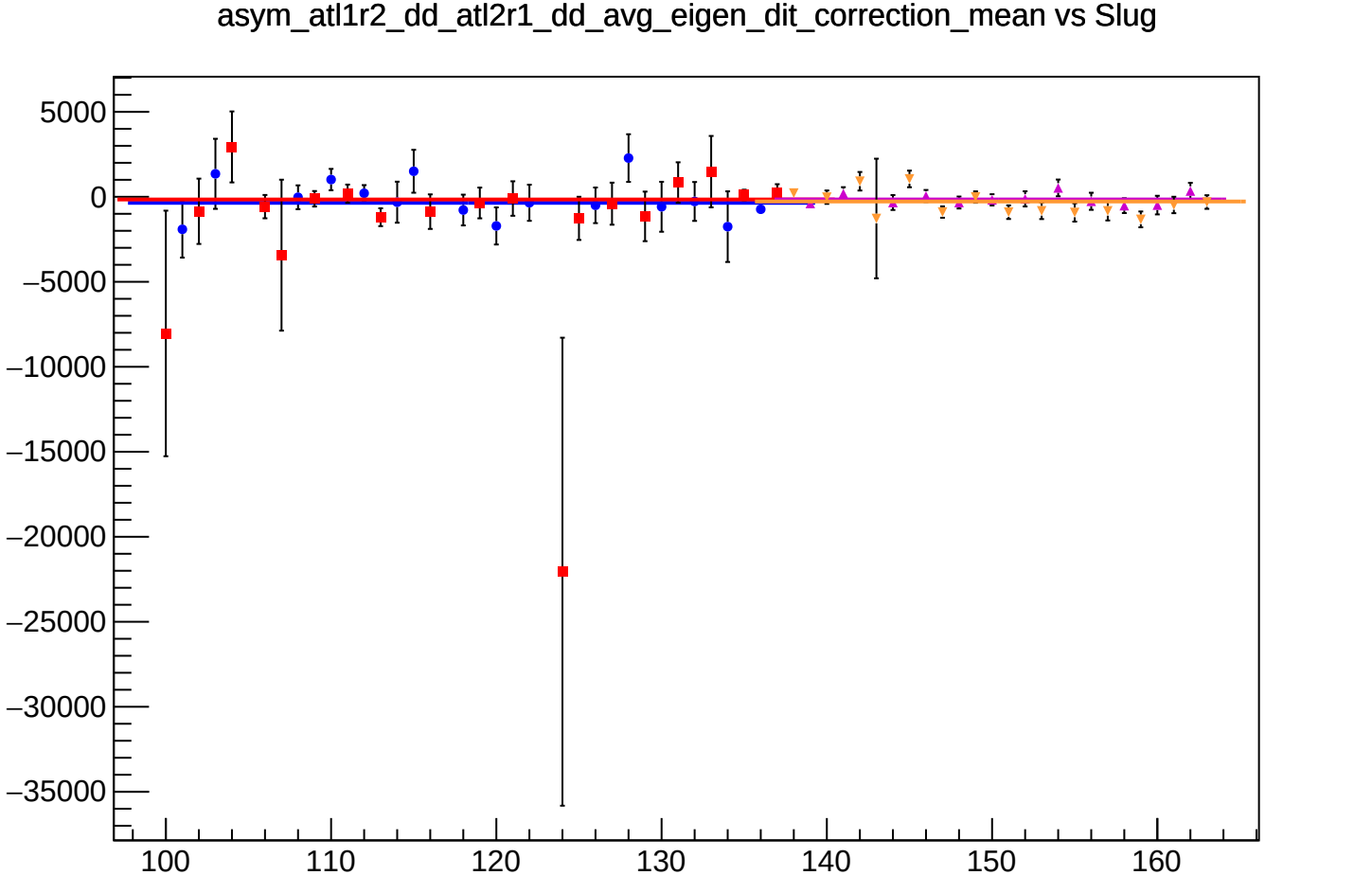
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

+ sign 1259.058+/-0.209 χ^2/NDF: 645617.6/29

All: 1268.569+/-0.150 χ^2/NDF: 875604.3/60

- sign 1278.735+/-0.216 χ^2/NDF: 225710.7/30



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -275.168+/-111.115 χ^2/NDF:32.2/13

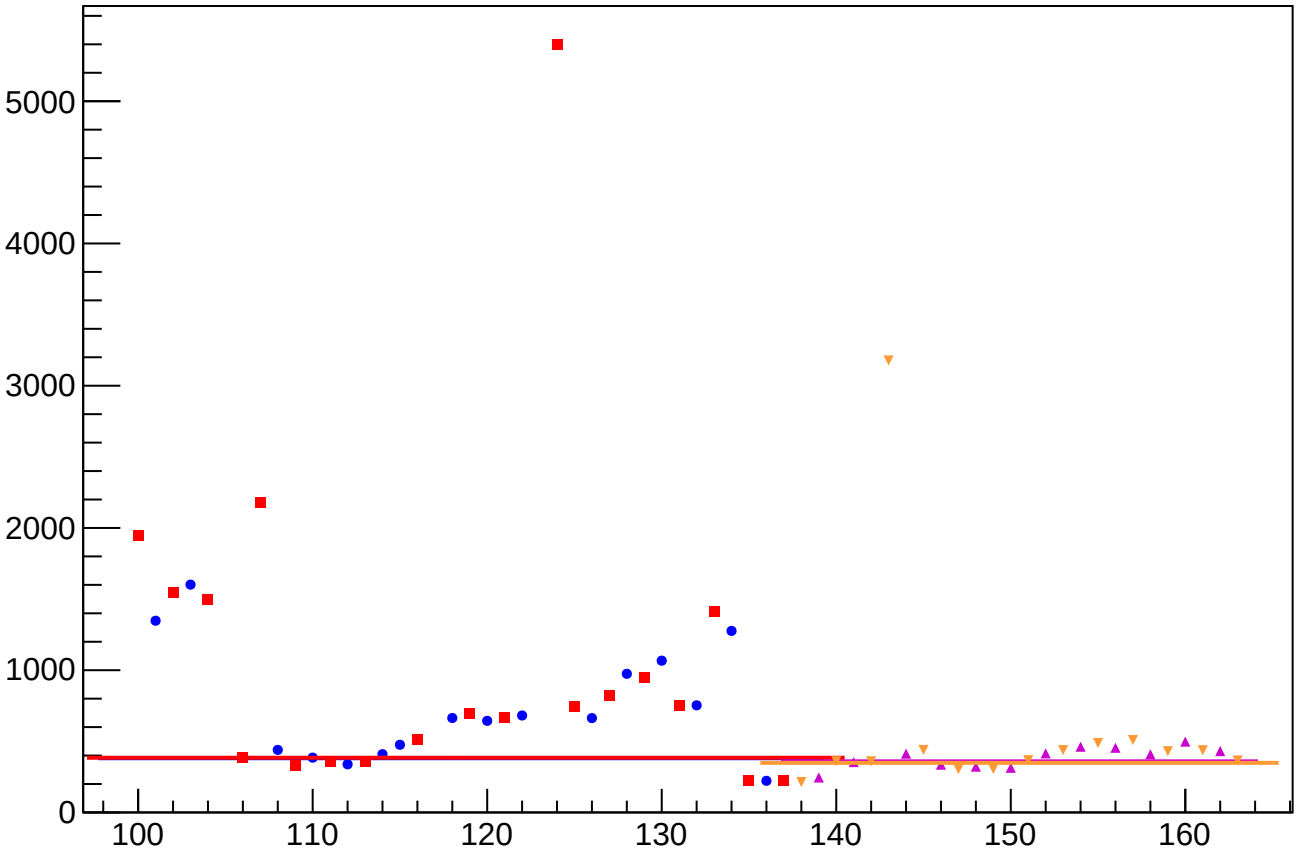
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -156.825+/-114.480 χ^2/NDF:6.4/11

\+ sign -299.137+/-93.005 χ^2/NDF: 50.8/29

All: -229.584+/-66.424 χ^2/NDF: 74.2/60

\- sign -157.171+/-94.898 χ^2/NDF: 22.3/30



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

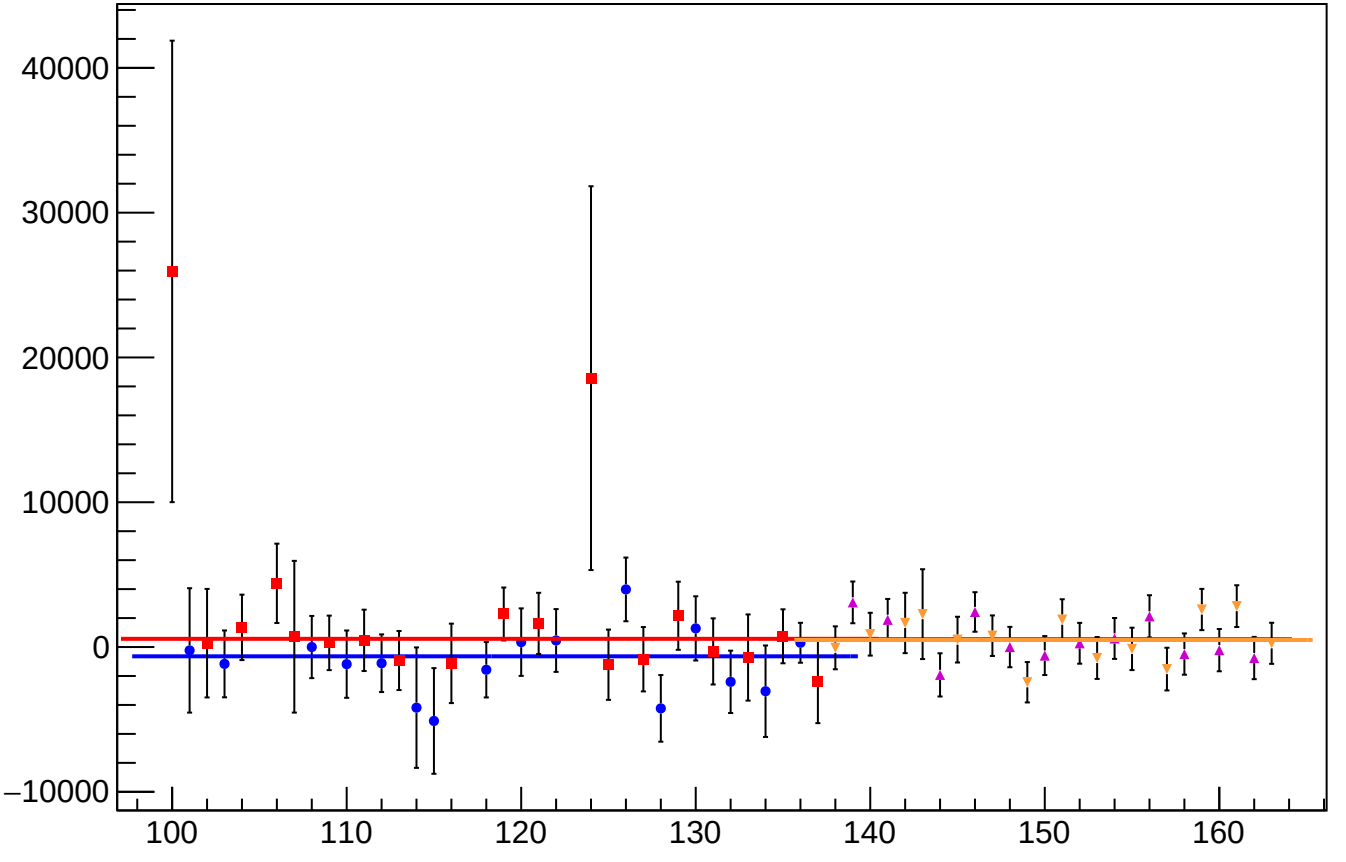
Left In: 359.200+/-0.081 χ^2/NDF:823525.4/11

+ sign 358.567+/-0.066 χ^2/NDF: 6915164.4/29

All: 362.779+/-0.047 χ^2/NDF: 12338073.2/60

- sign 367.164+/-0.067 χ^2/NDF: 5414536.7/30

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

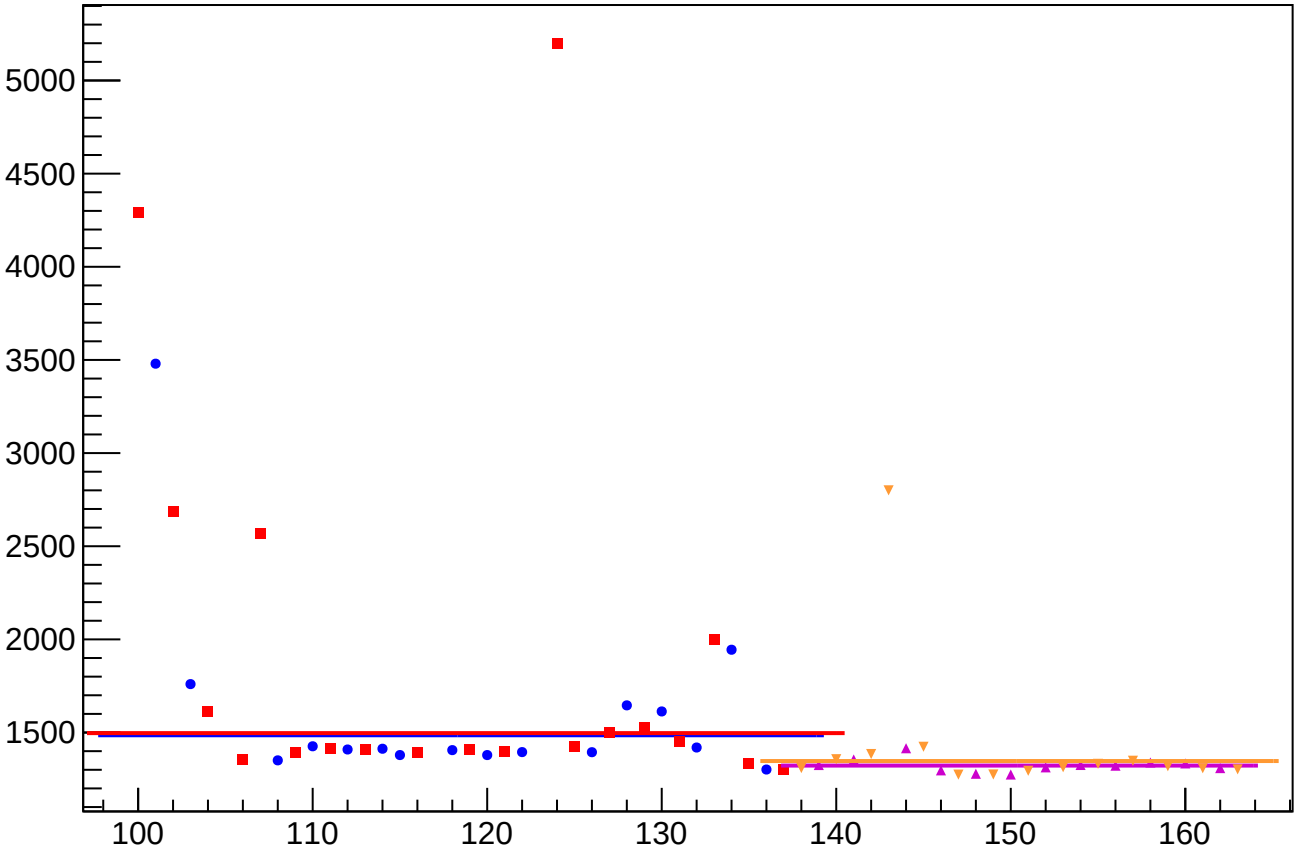
Left In: 545.065+/-411.018 χ^2/NDF:12.3/11

+ sign 101.993+/-329.834 χ^2/NDF: 29.0/29

All: 325.380+/-234.247 χ^2/NDF: 53.5/60

- sign 552.713+/-332.735 χ^2/NDF: 23.6/30

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

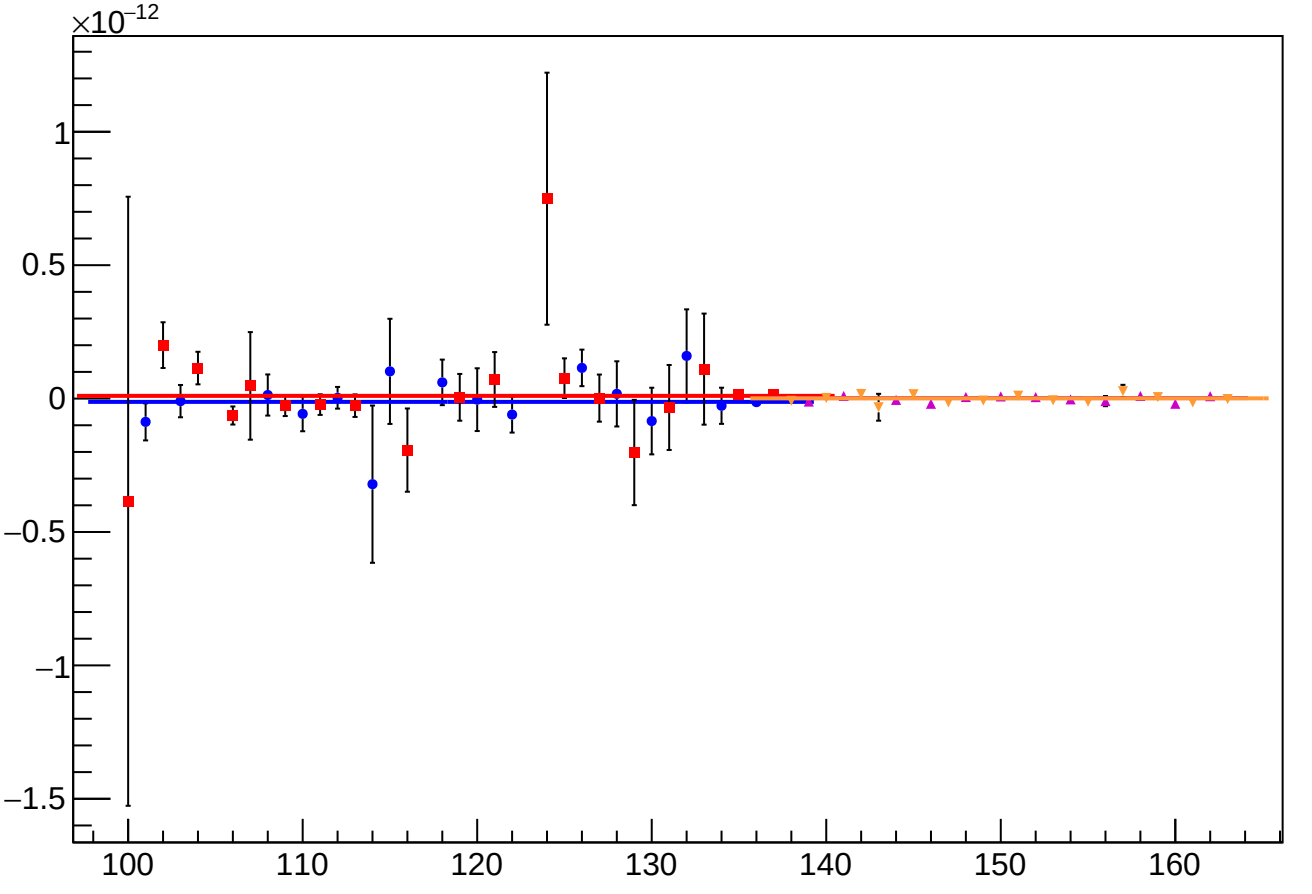
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.641+/-0.291 χ^2/NDF:14713.0/11

+ sign 1394.265+/-0.233 χ^2/NDF: 1127900.5/29

All: 1388.527+/-0.166 χ^2/NDF: 1890980.2/60

- sign 1382.687+/-0.235 χ^2/NDF: 761858.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

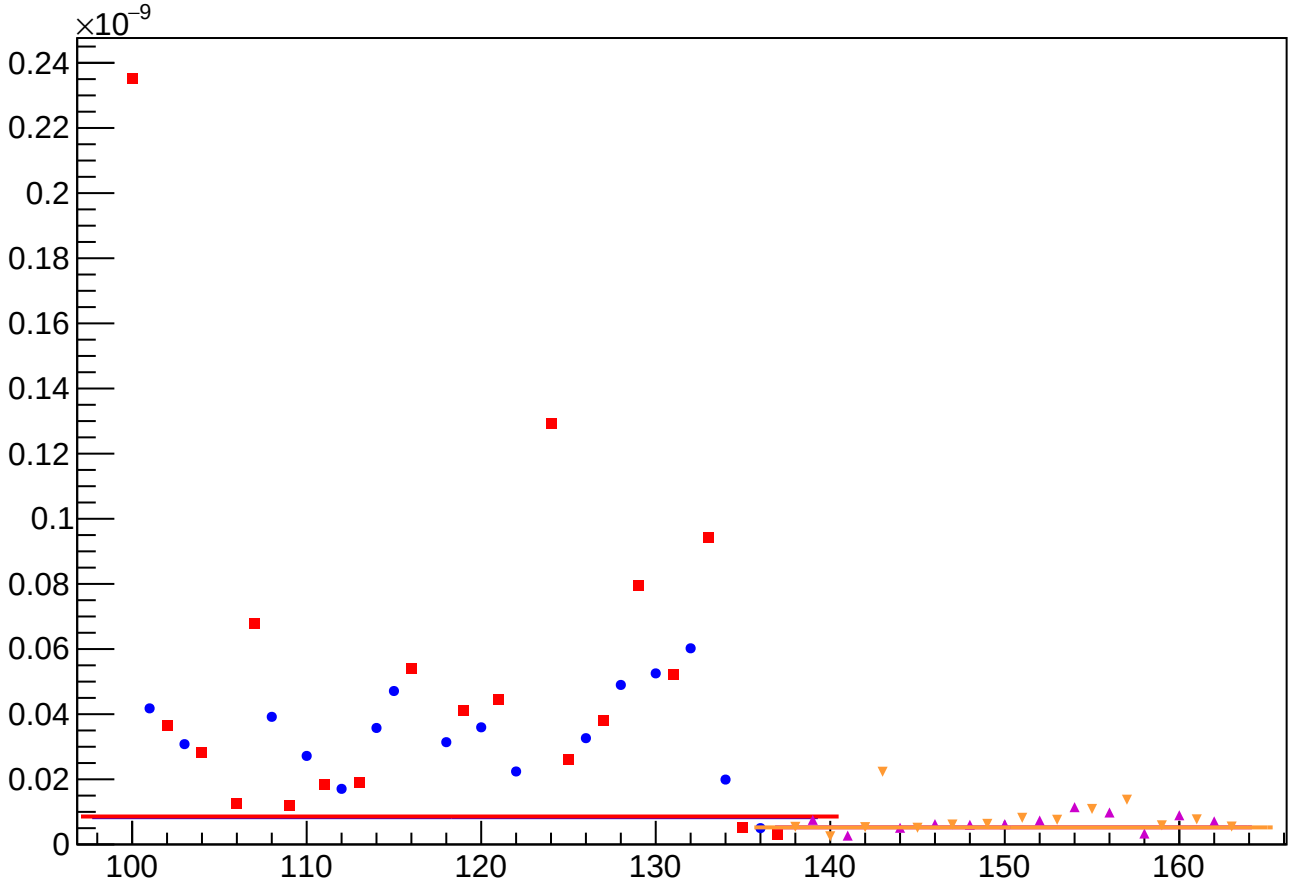
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 63.4/60

- sign 0.000+/-0.000 χ^2/NDF: 36.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619189.4/13

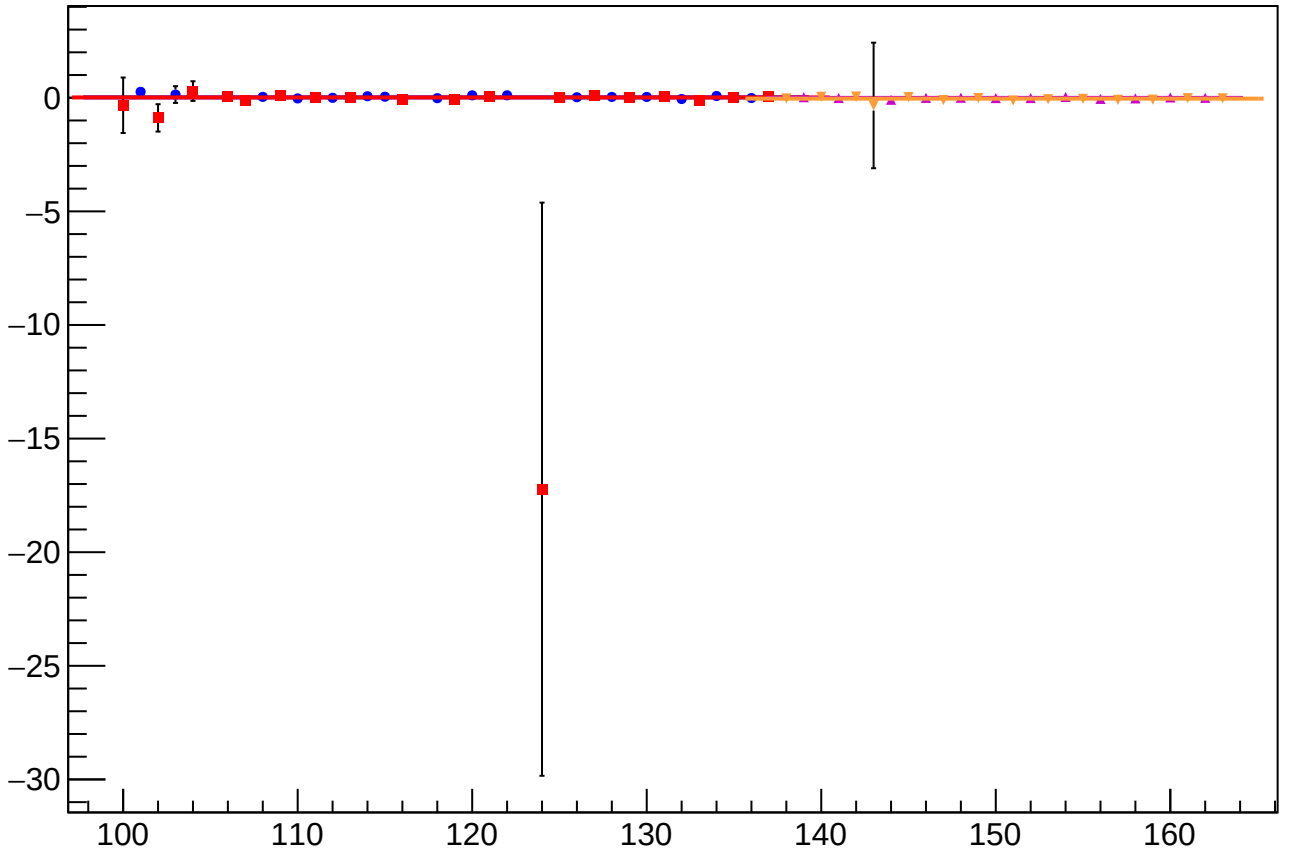
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1251943.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4994834.4/29

All: 0.000+/-0.000 χ^2/NDF: 9899633.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4904712.4/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

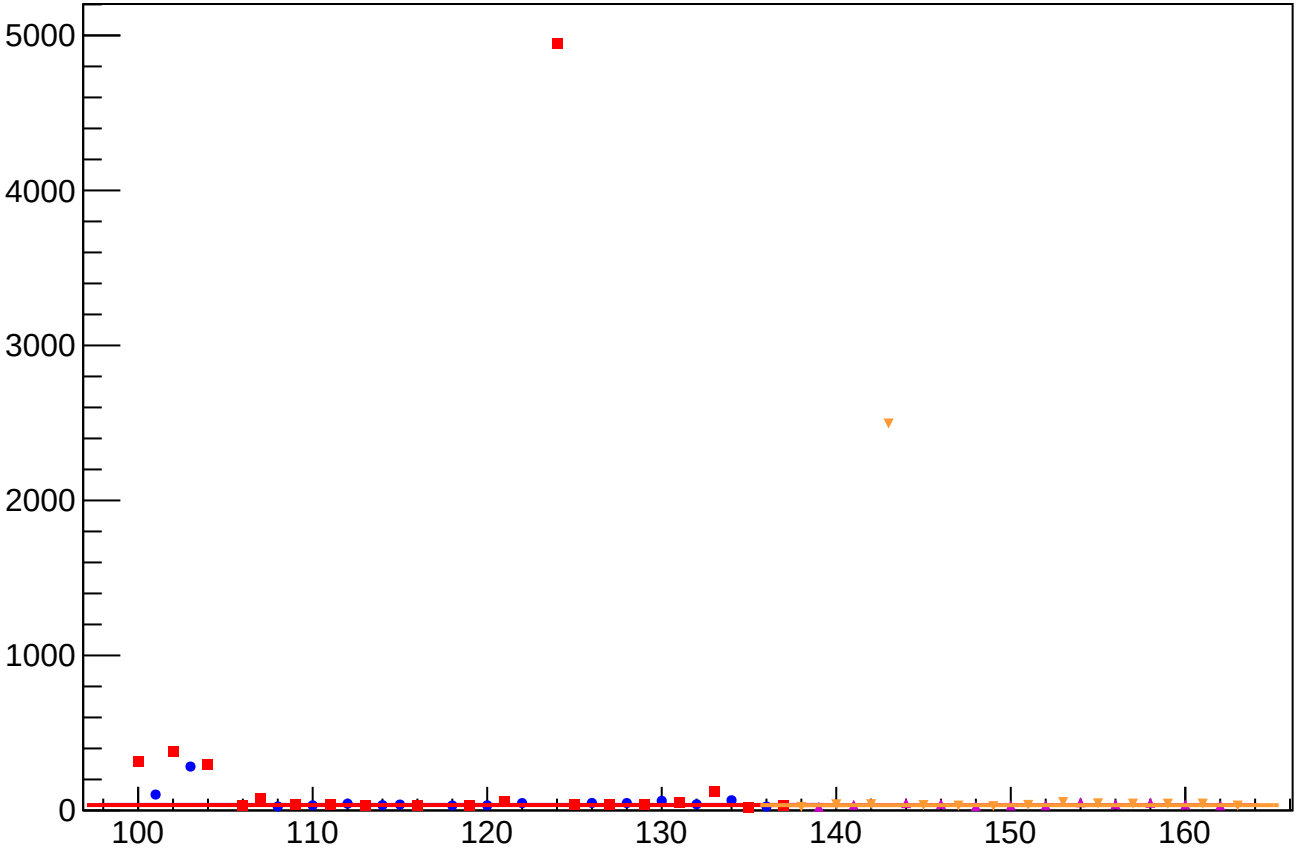
Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

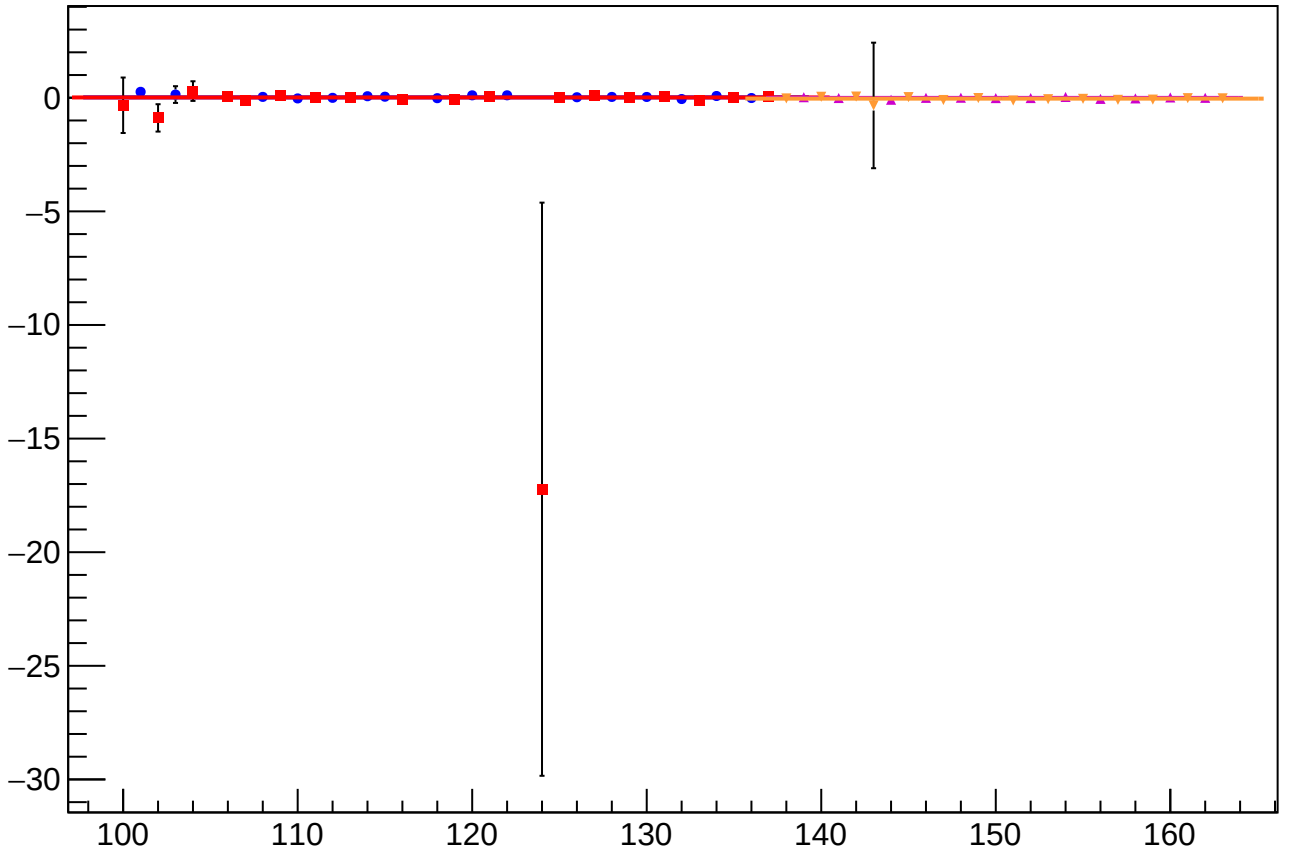
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

\- sign 35.114+/-0.007 χ^2/NDF: 3842062.1/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

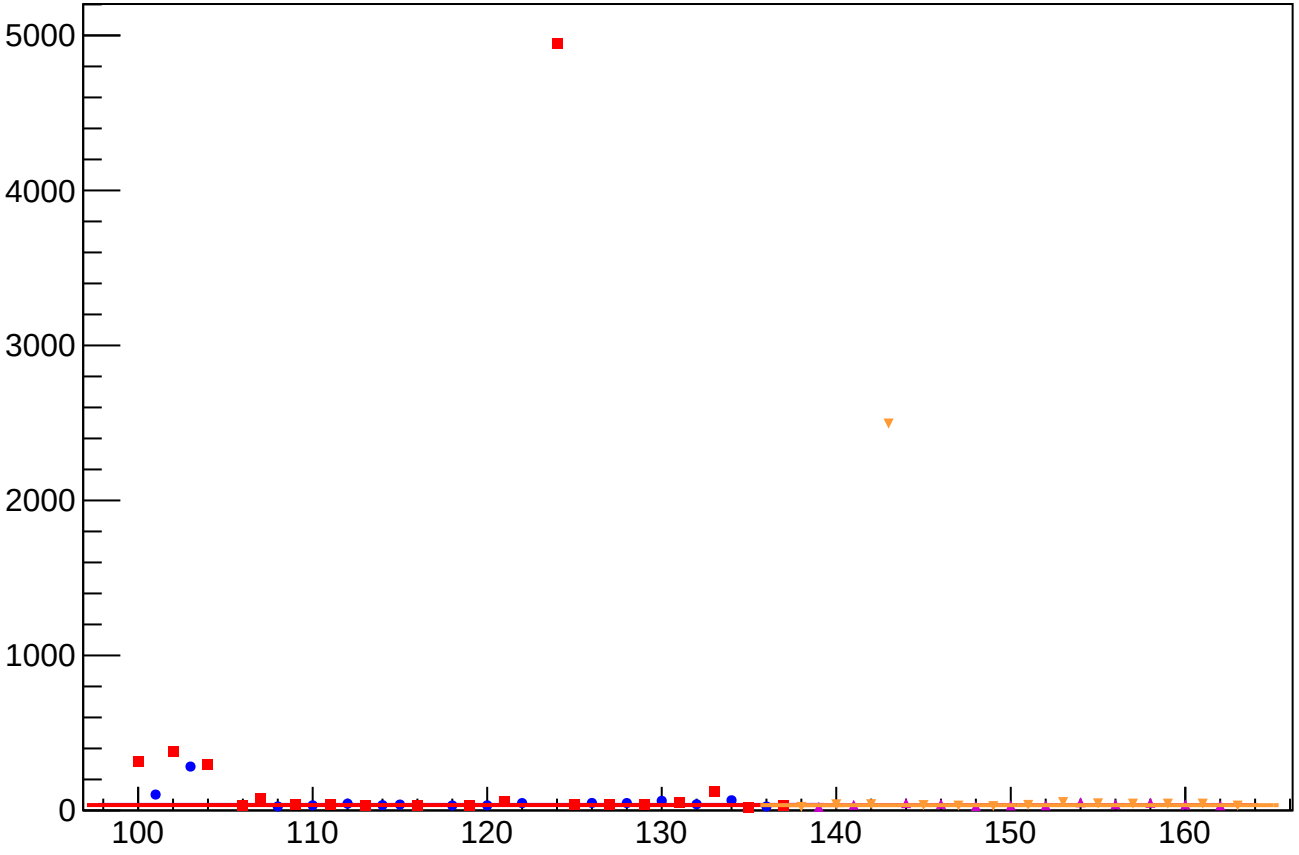
Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616034.2/13

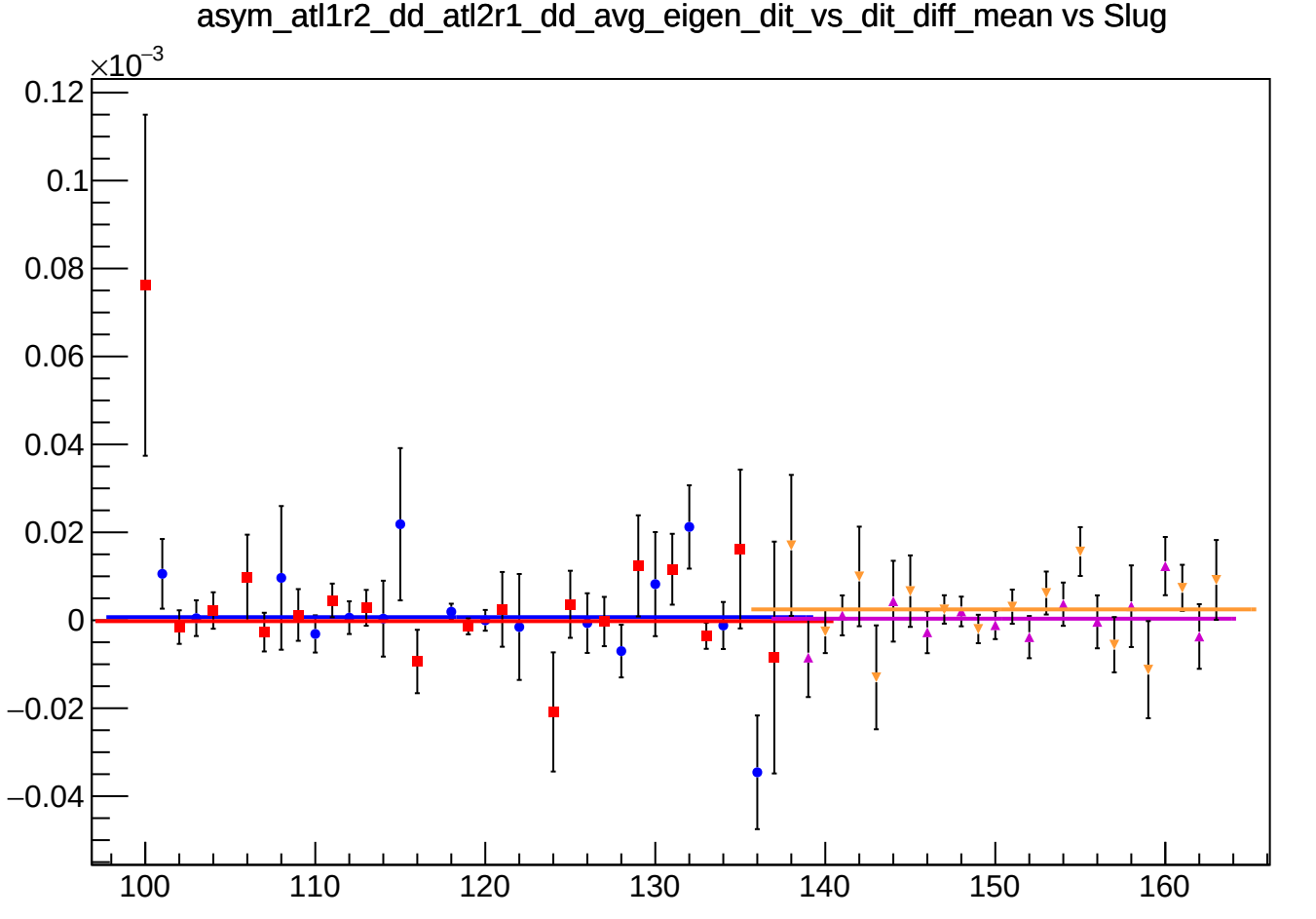
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

\+ sign 34.747+/-0.007 χ^2/NDF: 4893771.6/29

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

\- sign 35.114+/-0.007 χ^2/NDF: 3842062.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

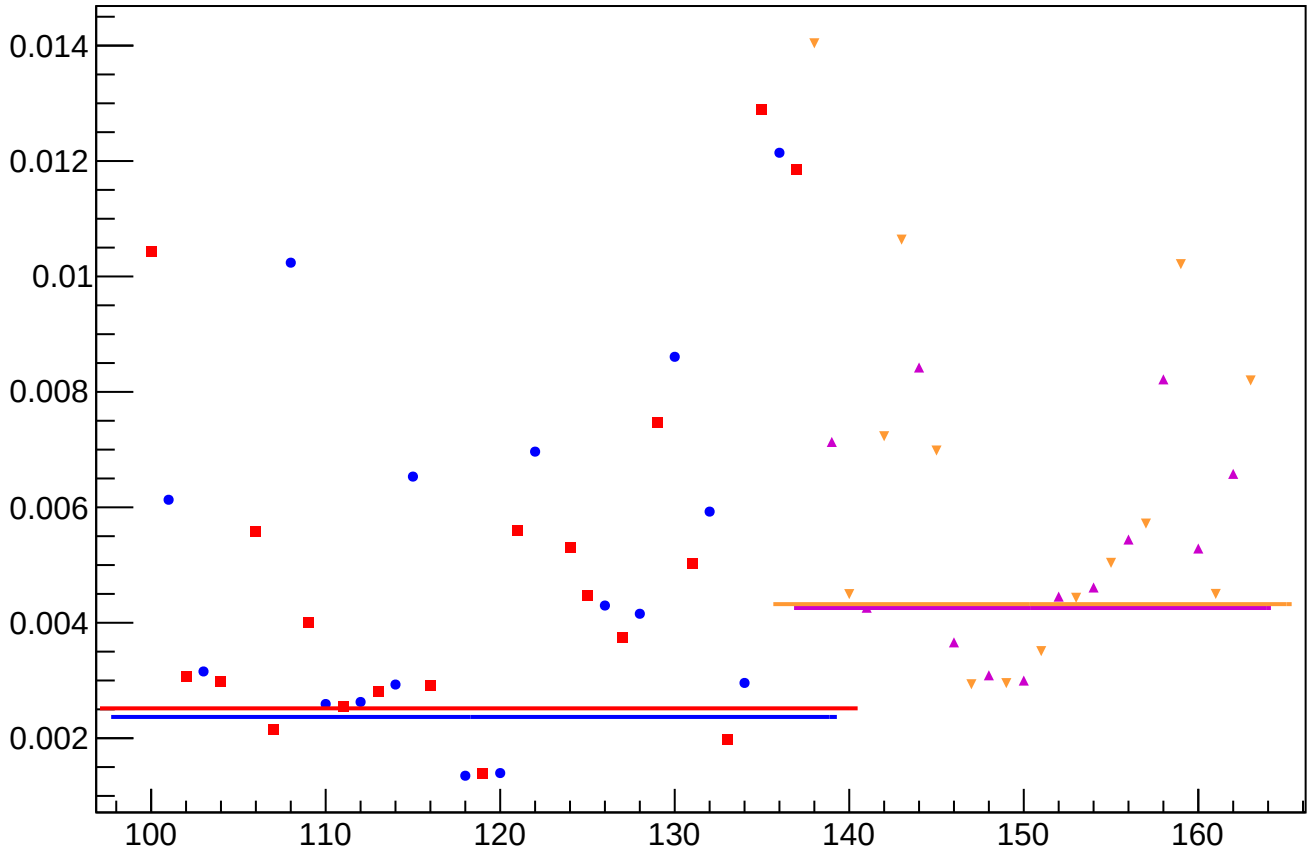
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 37.0/29

All: 0.000+/-0.000 χ^2/NDF: 63.4/60

- sign -0.000+/-0.000 χ^2/NDF: 25.1/30



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3540393.4/13

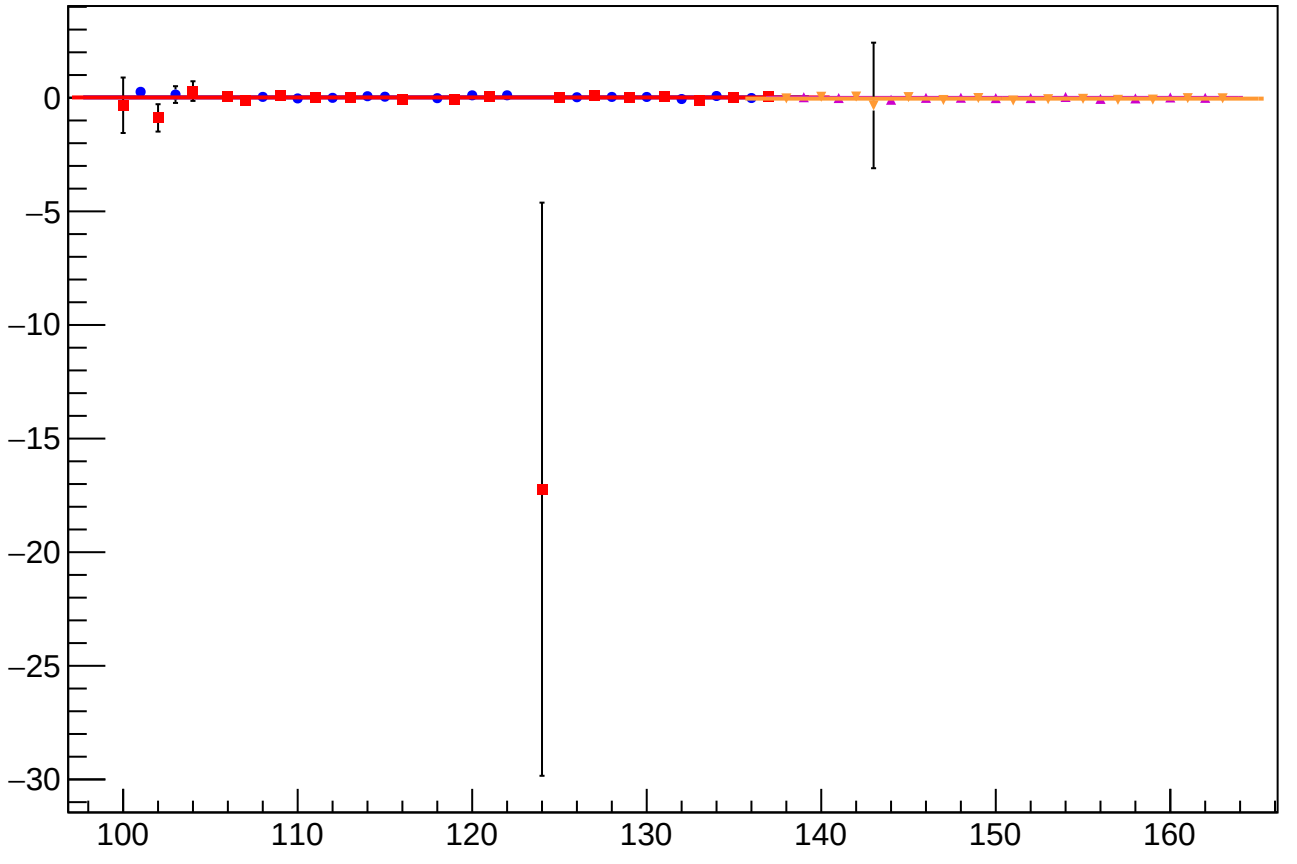
Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1905649.0/11

+ sign 0.003+/-0.000 χ^2/NDF: 10601790.7/29

All: 0.003+/-0.000 χ^2/NDF: 17758395.2/60

- sign 0.003+/-0.000 χ^2/NDF: 7156059.2/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

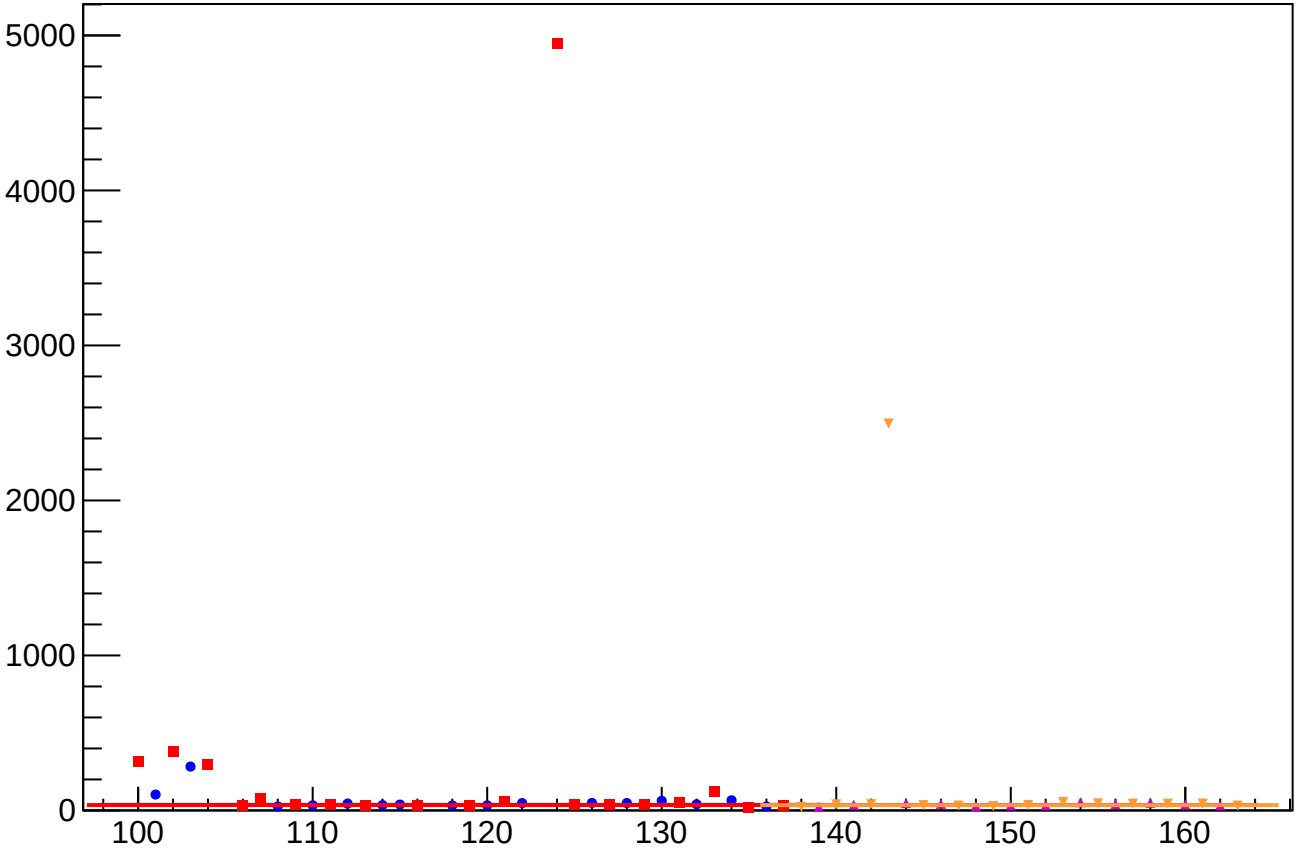
Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616363.8/13

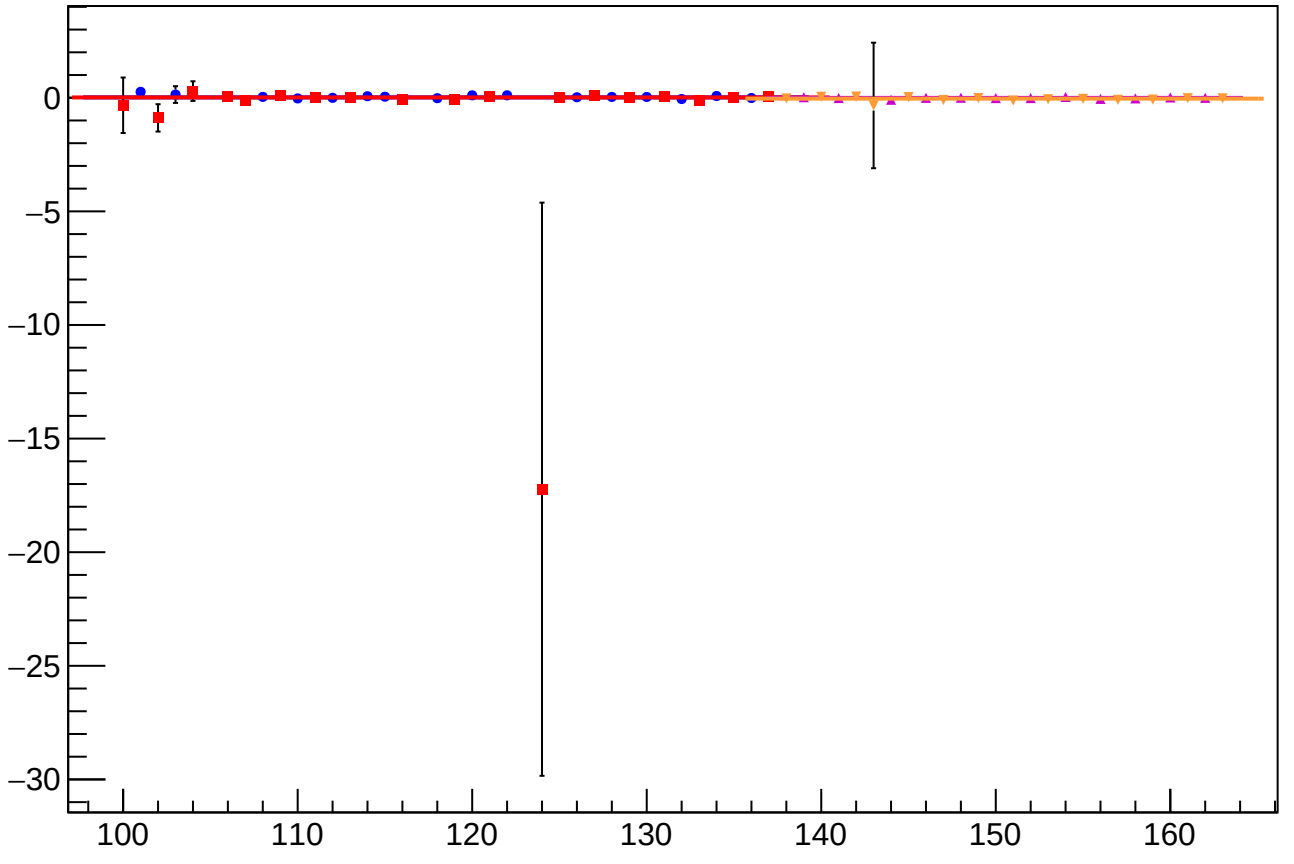
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

- sign 35.113+/-0.007 χ^2/NDF: 3842488.4/30



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

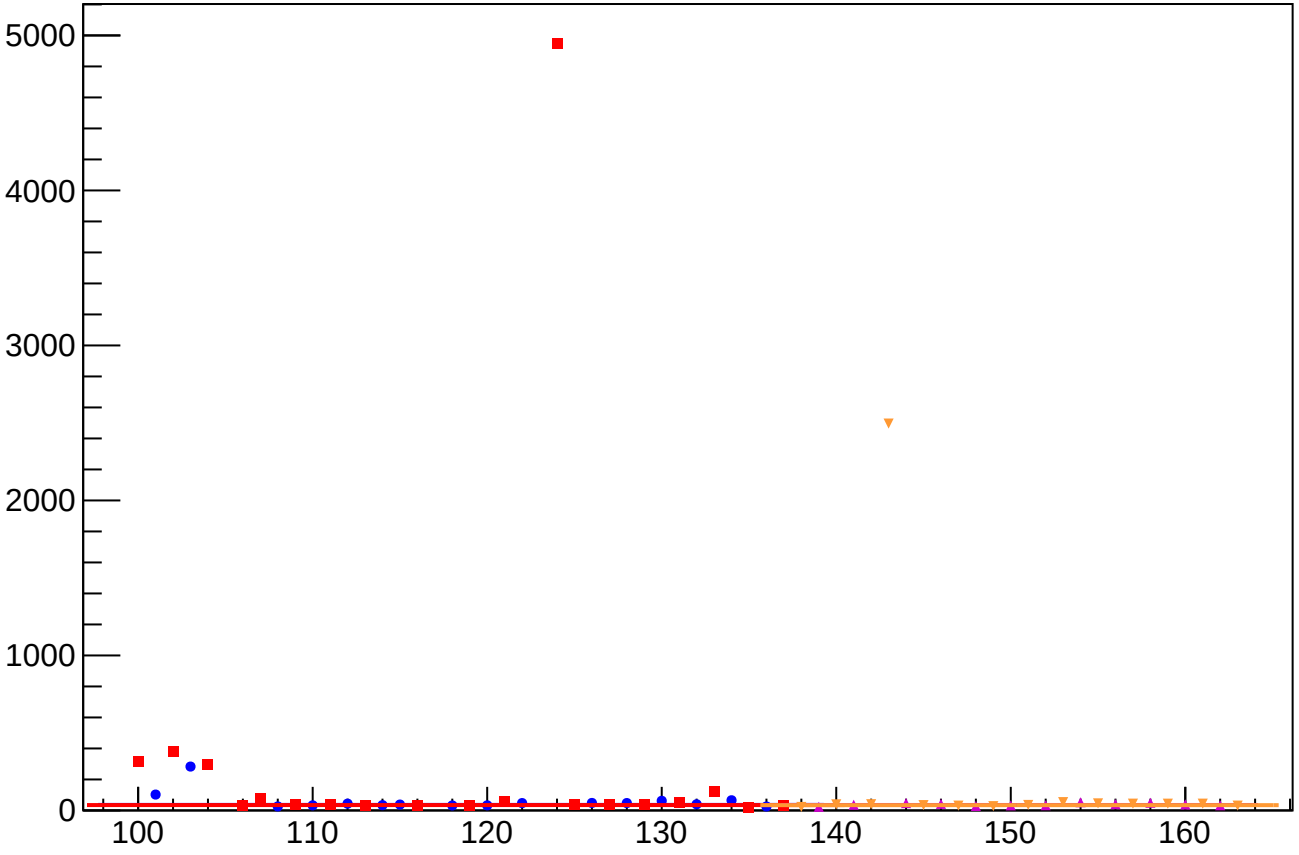
Left In: -0.006+/-0.012 χ^2/NDF:5.2/11

+ sign -0.019+/-0.009 χ^2/NDF: 37.3/29

All: -0.009+/-0.007 χ^2/NDF: 61.8/60

- sign 0.001+/-0.010 χ^2/NDF: 22.3/30

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

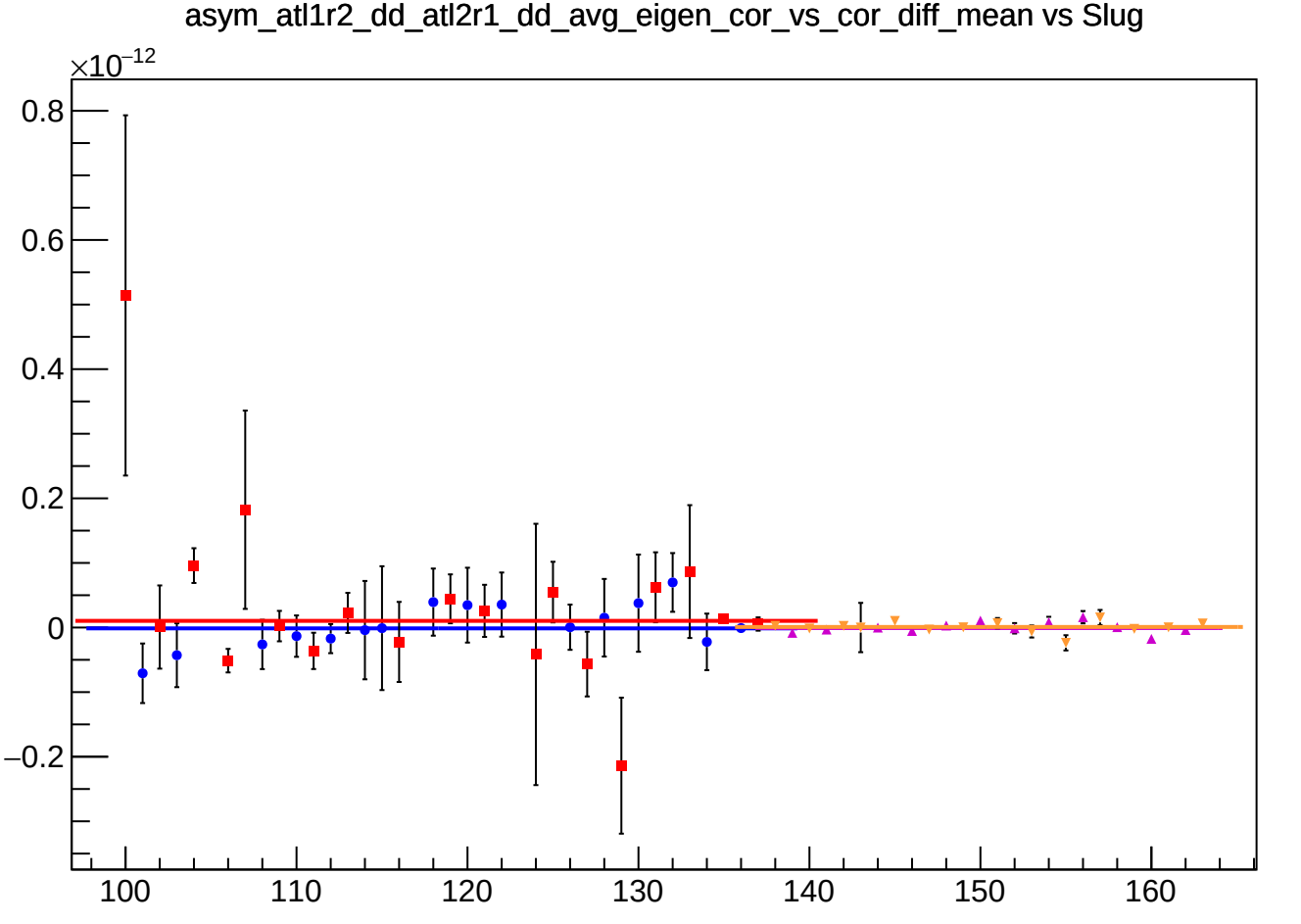
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

\+ sign 34.748+/-0.007 χ^2/NDF: 4893859.5/29

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

\- sign 35.113+/-0.007 χ^2/NDF: 3842488.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

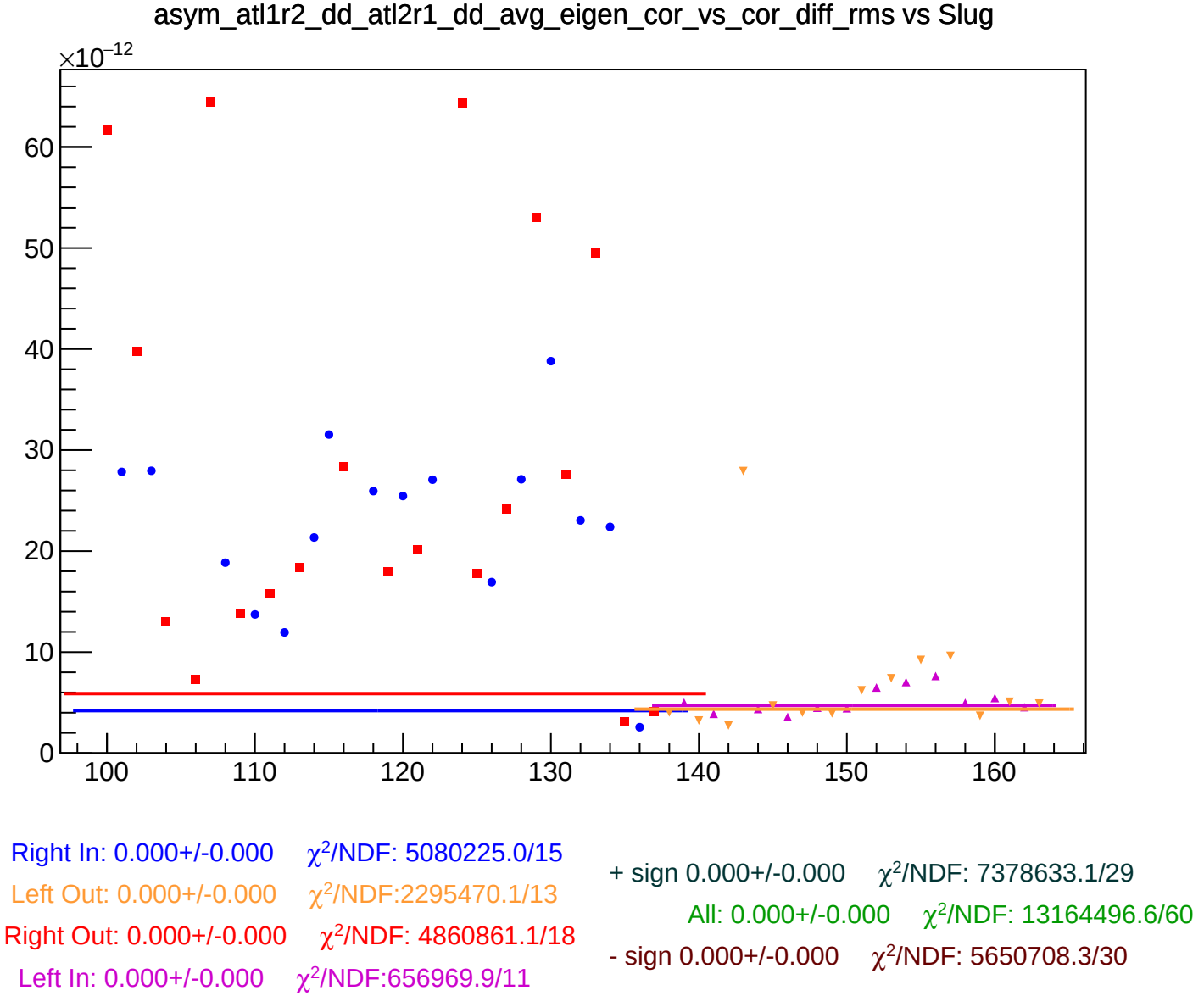
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/11

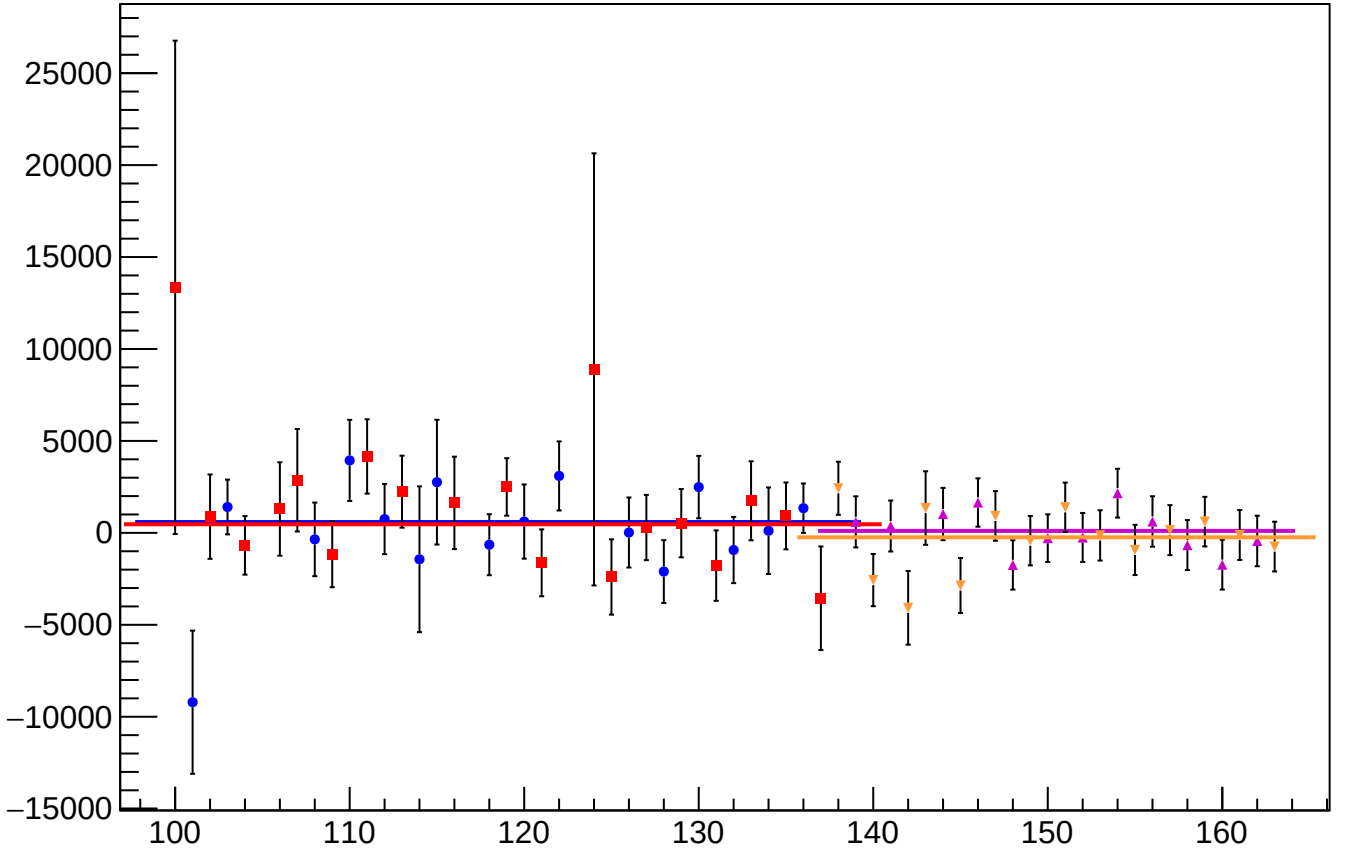
+ sign 0.000+/-0.000 χ^2/NDF: 20.3/29

All: 0.000+/-0.000 χ^2/NDF: 83.3/60

- sign 0.000+/-0.000 χ^2/NDF: 63.0/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2295470.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:656969.9/11
+ sign 0.000+/-0.000 χ²/NDF: 7378633.1/29
All: 0.000+/-0.000 χ²/NDF: 13164496.6/60
- sign 0.000+/-0.000 χ²/NDF: 5650708.3/30

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

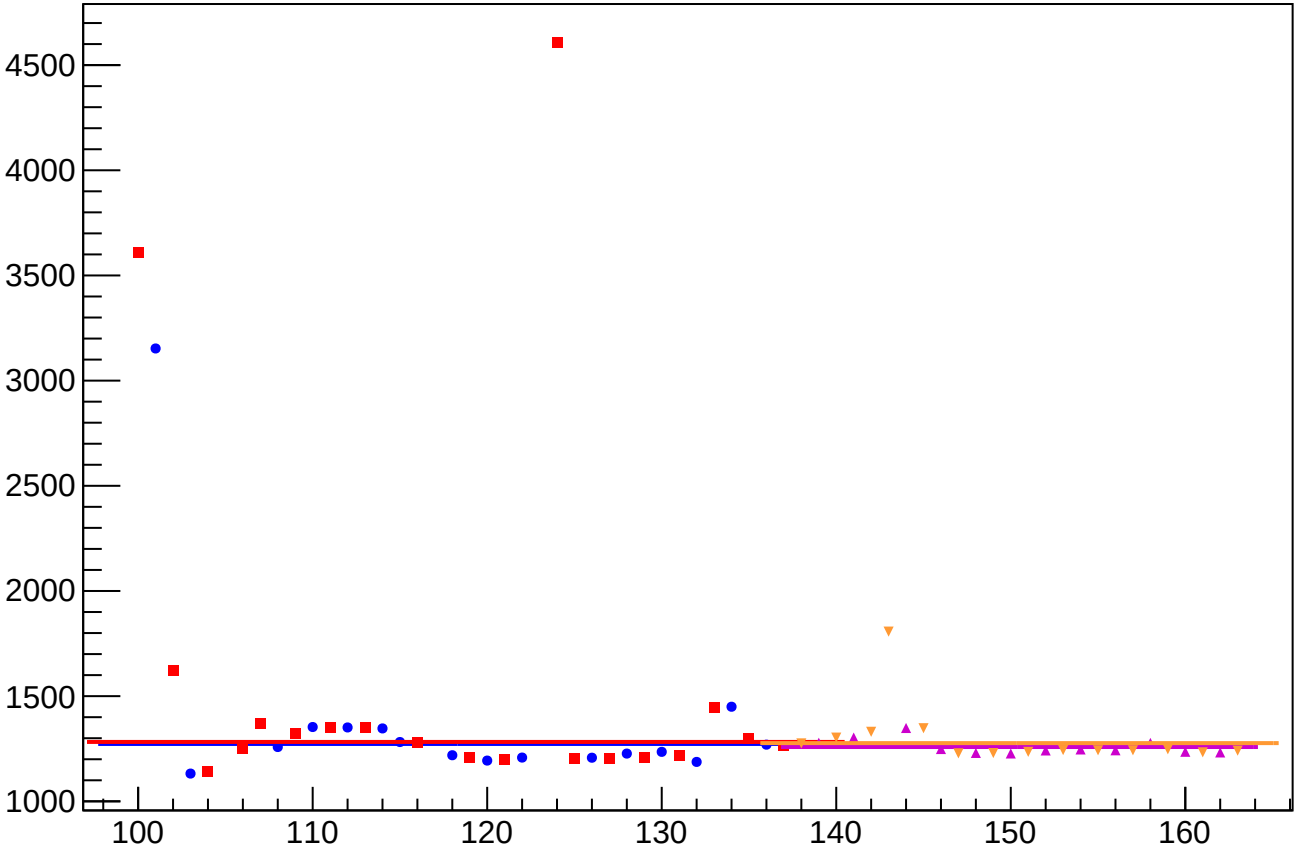
Left In: 106.887+/-390.983 χ^2/NDF:8.9/11

+ sign 77.823+/-299.782 χ^2/NDF: 35.5/29

All: 163.476+/-213.202 χ^2/NDF: 61.7/60

- sign 251.136+/-303.273 χ^2/NDF: 26.1/30

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

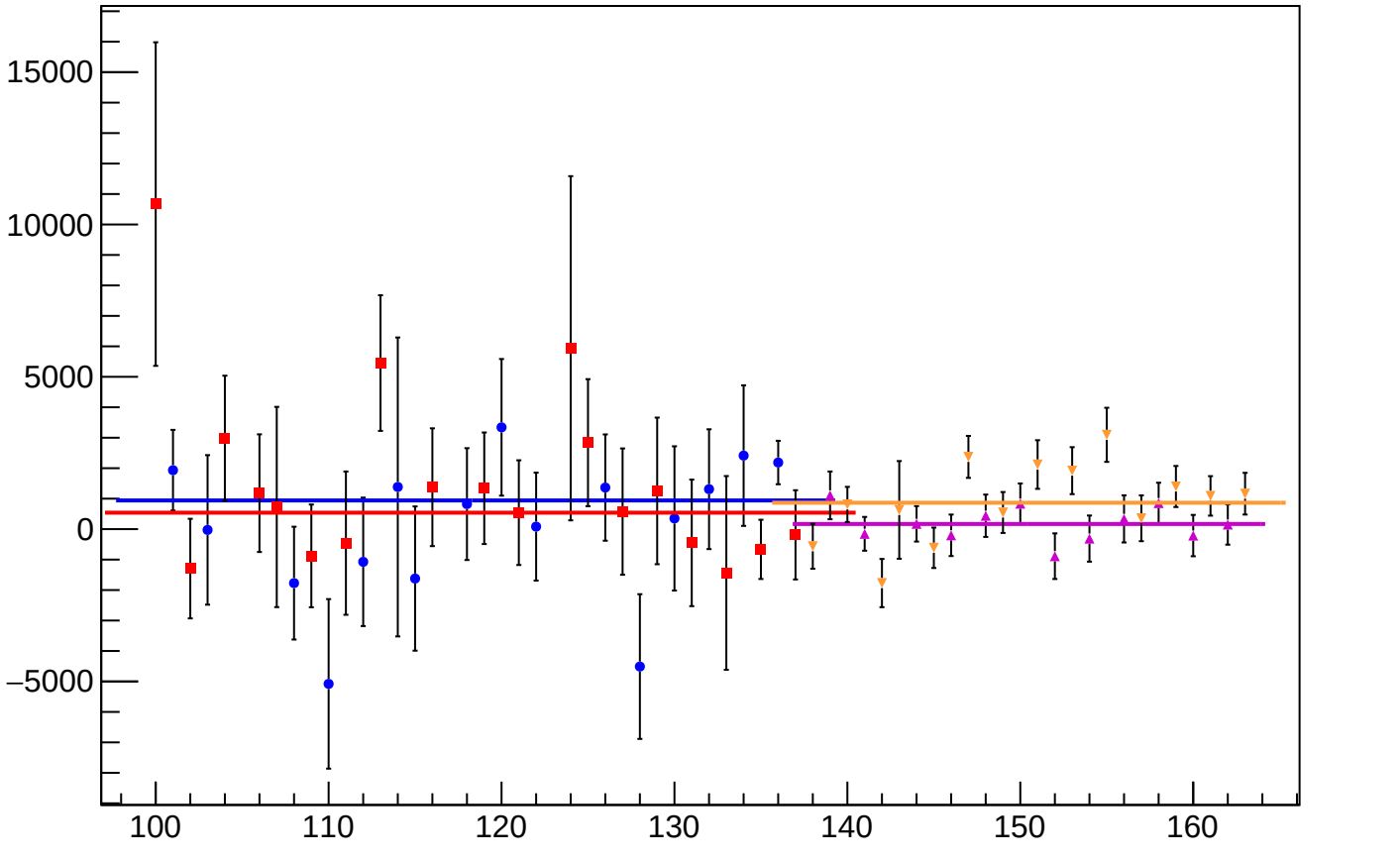
Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681573.1/29

All: 1271.574+/-0.151 χ^2/NDF: 1022412.7/60

- sign 1267.836+/-0.214 χ^2/NDF: 340238.9/30



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 867.249+/-194.533 χ^2/NDF:36.9/13

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

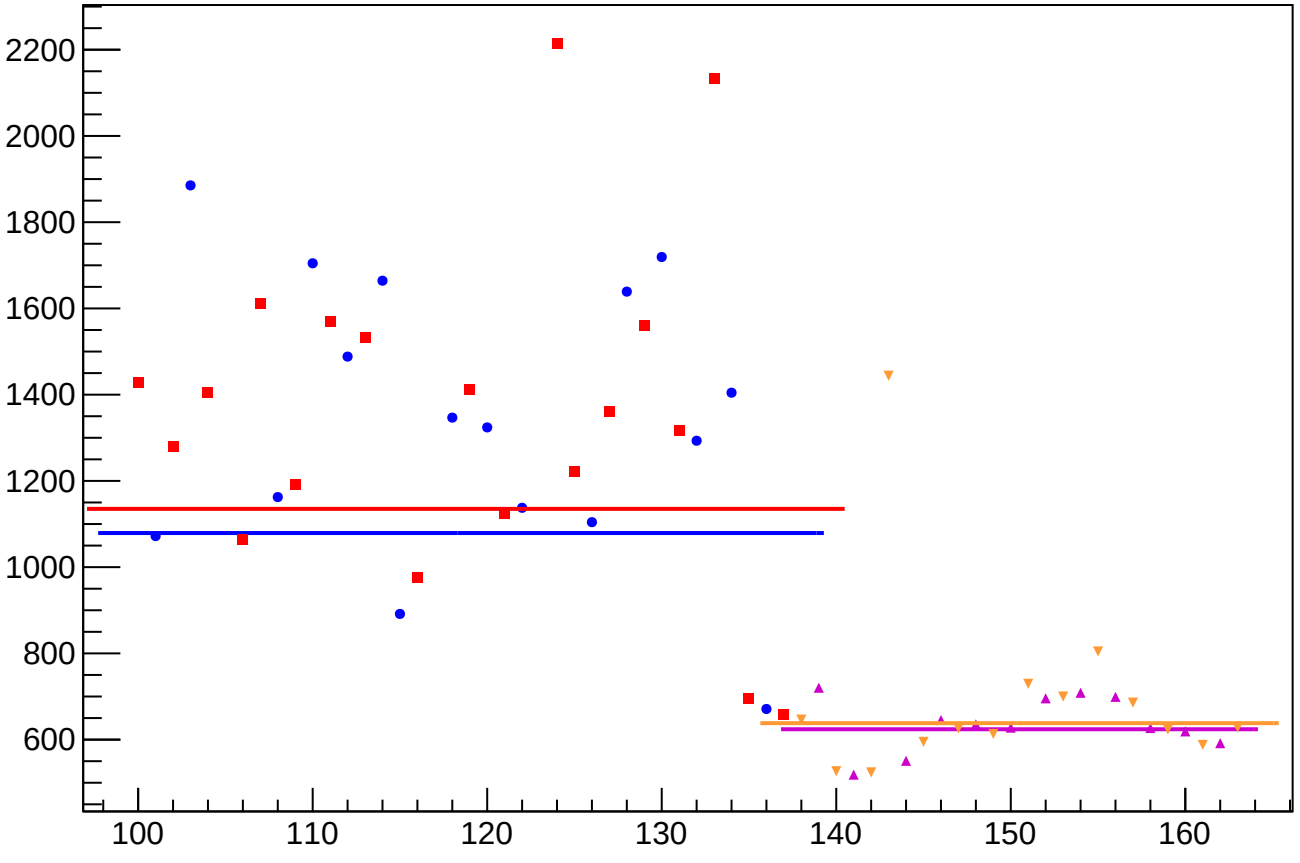
Left In: 168.684+/-195.266 χ^2/NDF:7.0/11

\+ sign 880.114+/-176.944 χ^2/NDF: 56.8/29

All: 557.807+/-125.656 χ^2/NDF: 88.3/60

\- sign 229.905+/-178.473 χ^2/NDF: 24.8/30

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

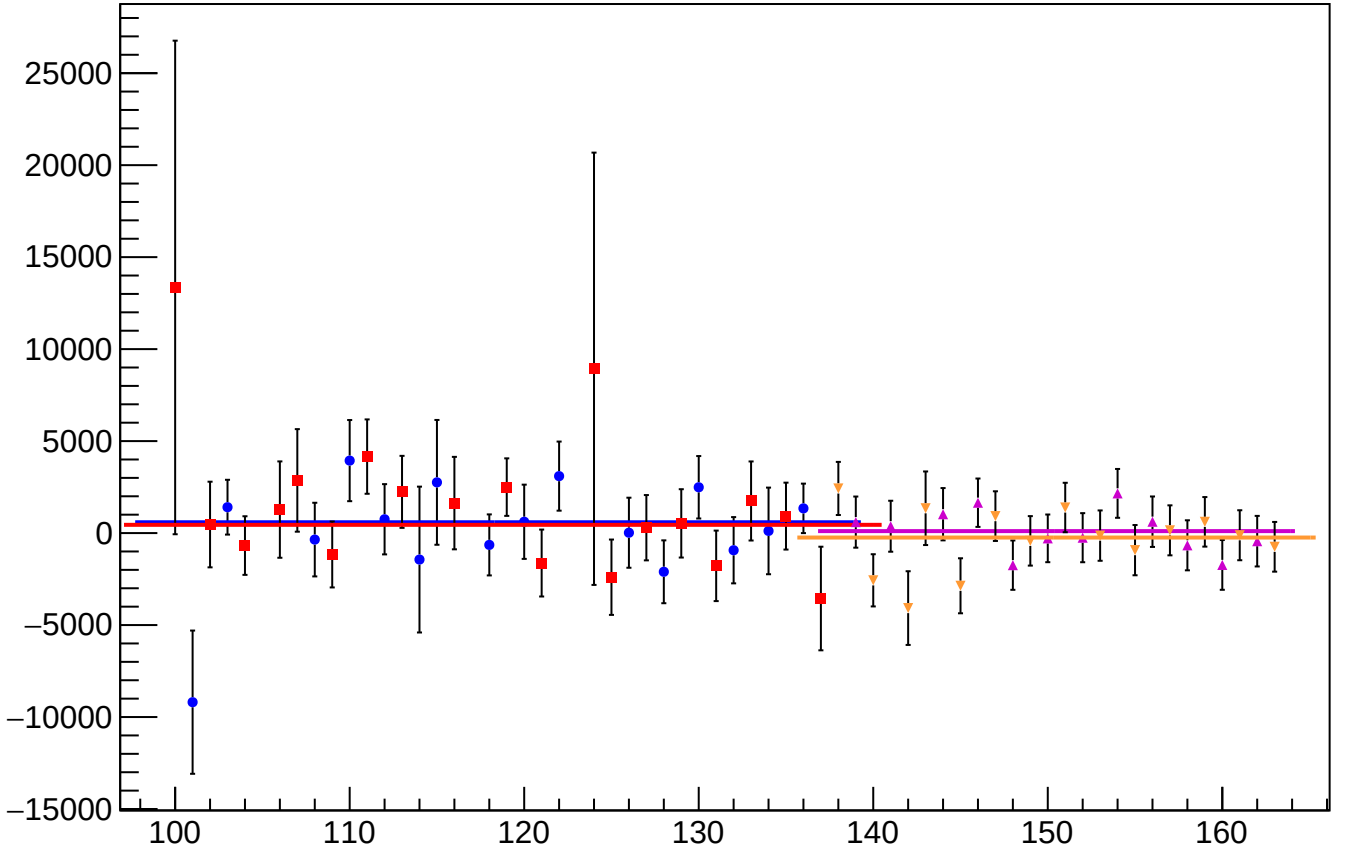
Left In: 624.063+/-0.138 χ^2/NDF:203536.3/11

\+ sign 714.313+/-0.125 χ^2/NDF: 4020341.6/29

All: 711.278+/-0.089 χ^2/NDF: 7773500.6/60

\- sign 708.190+/-0.126 χ^2/NDF: 3751971.8/30

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

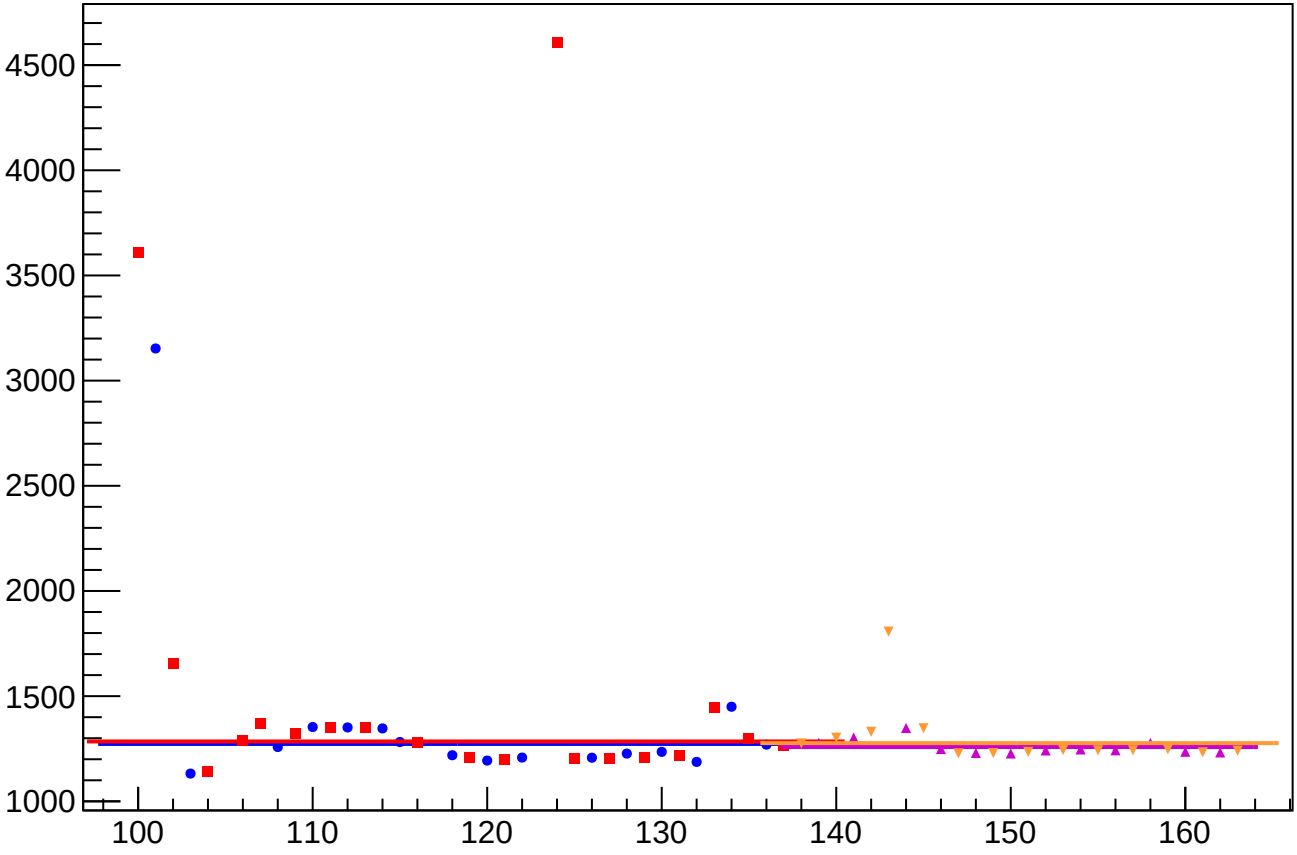
Left In: 106.898+/-390.983 χ^2/NDF:8.9/11

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 159.256+/-213.273 χ^2/NDF: 61.6/60

- sign 242.658+/-303.478 χ^2/NDF: 26.0/30

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

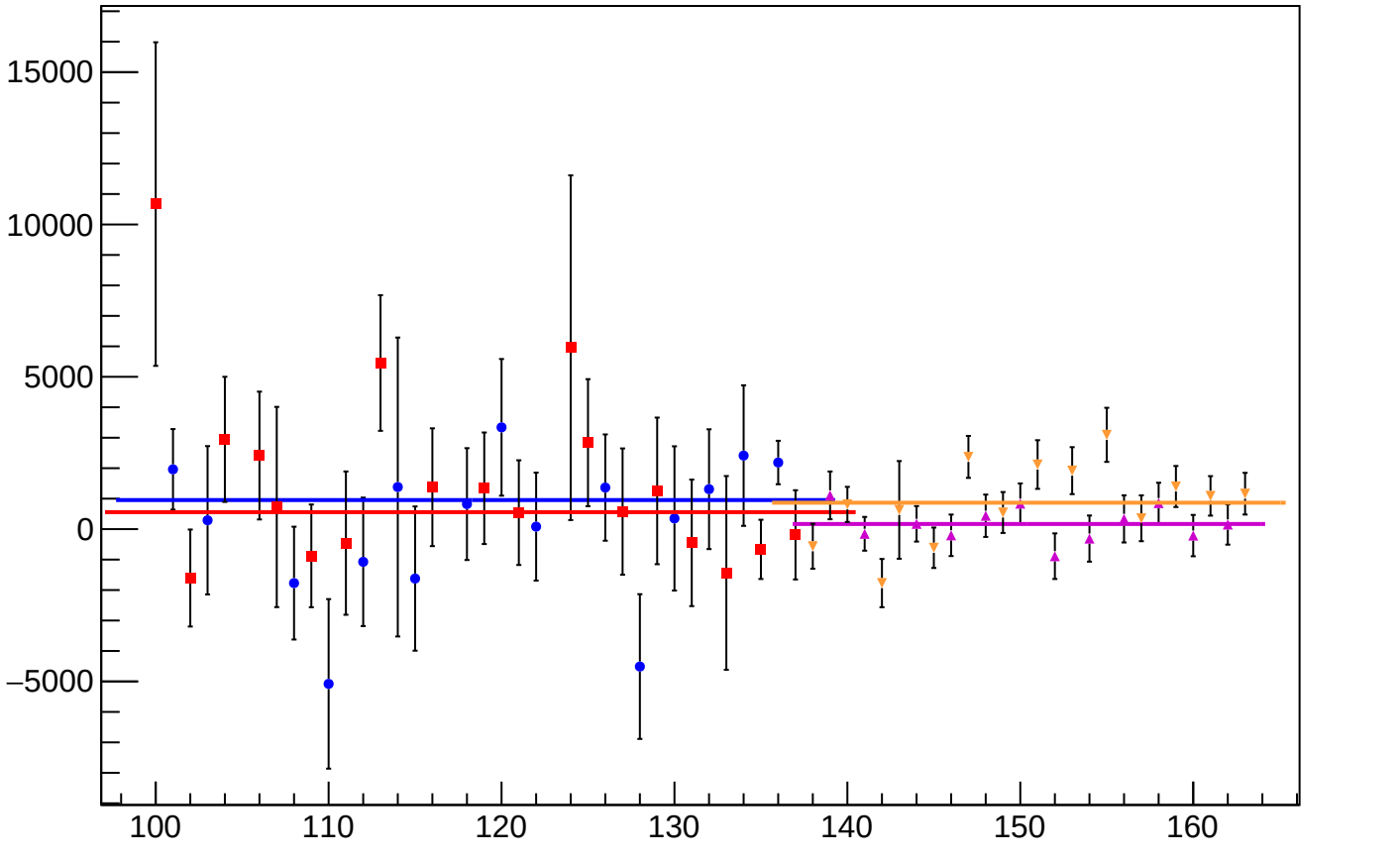
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60

- sign 1268.726+/-0.215 χ^2/NDF: 347491.3/30



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

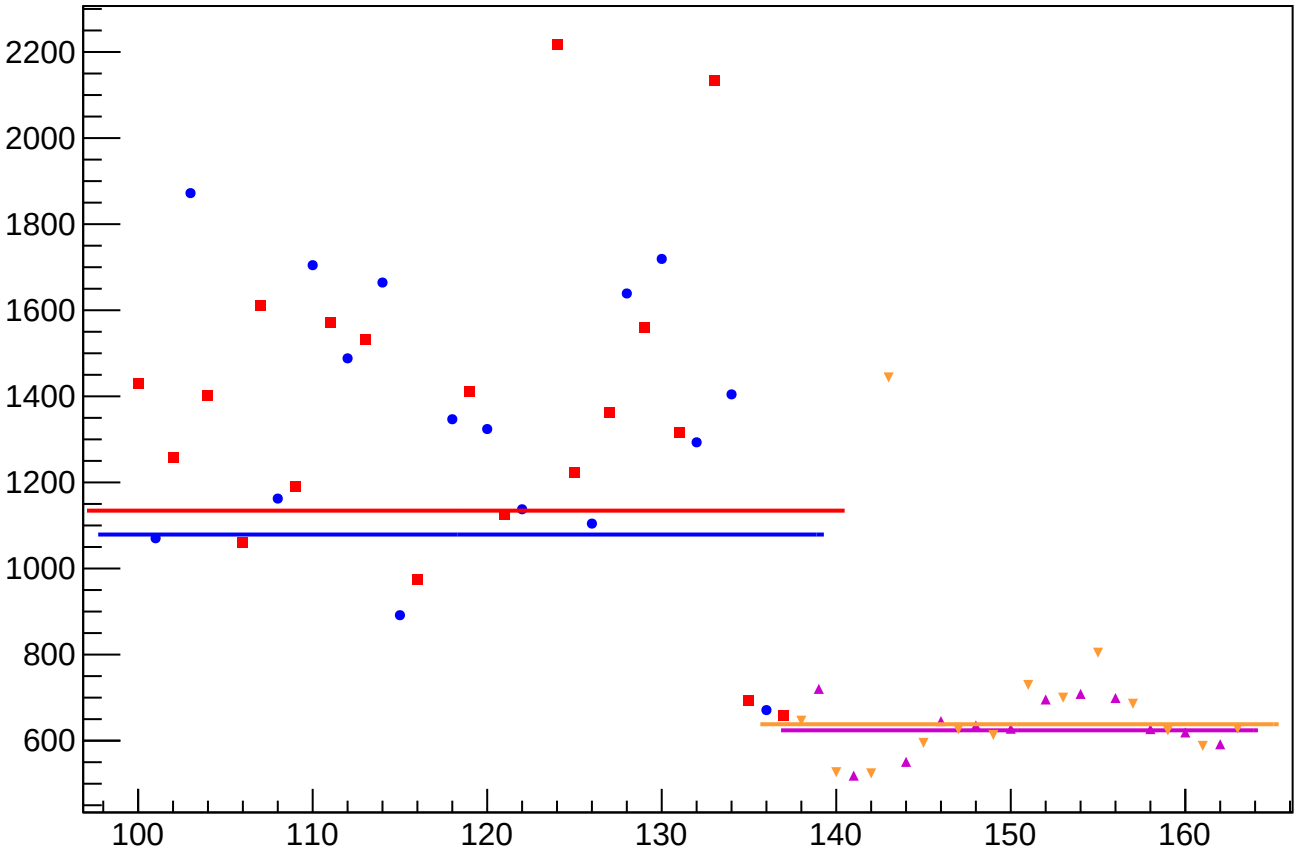
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 168.722+/-195.265 χ^2/NDF:7.0/11

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 560.315+/-125.671 χ^2/NDF: 89.5/60

- sign 232.579+/-178.530 χ^2/NDF: 26.1/30



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

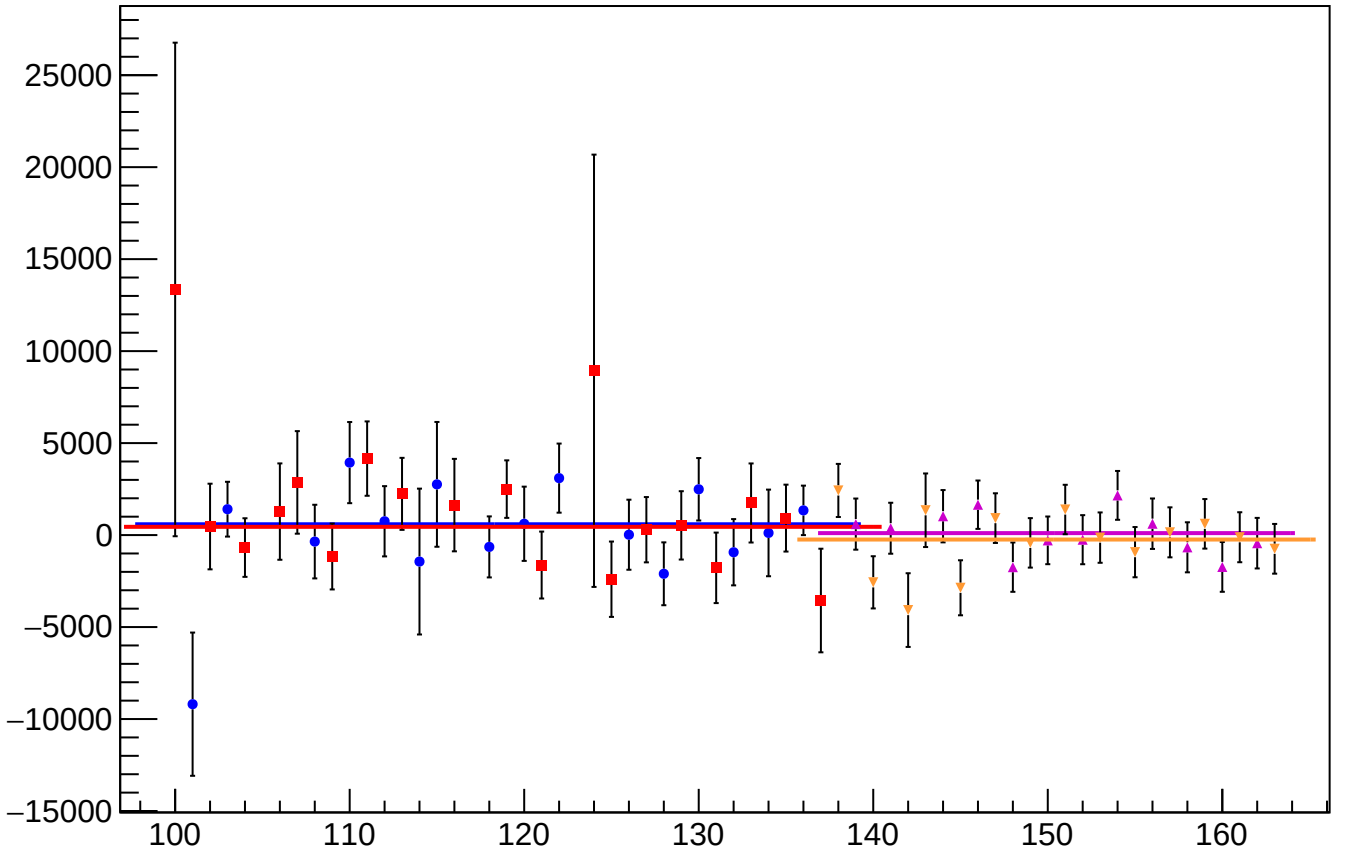
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60

- sign 707.795+/-0.126 χ^2/NDF: 3734107.7/30



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

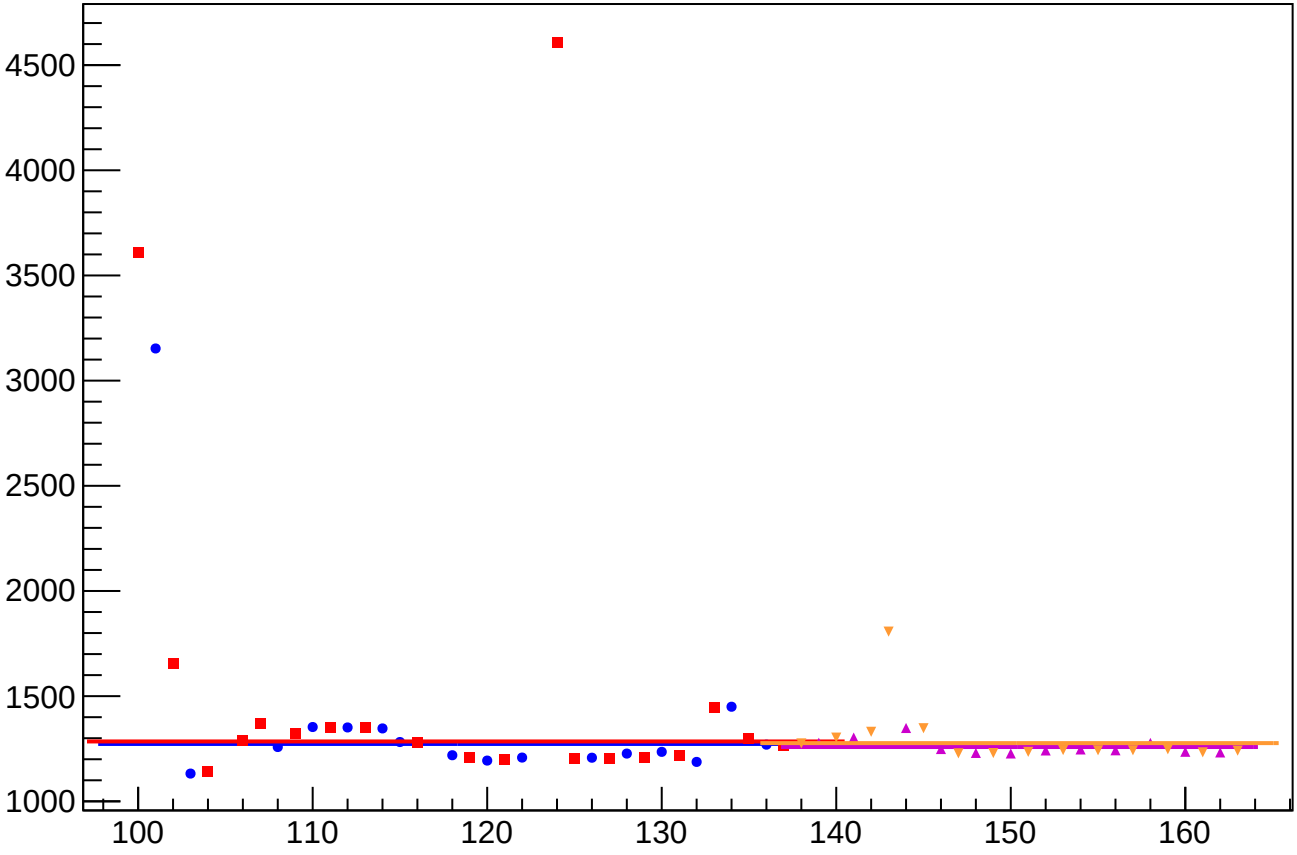
Left In: 106.898+/-390.983 χ^2/NDF:8.9/11

+ sign 77.872+/-299.782 χ^2/NDF: 35.5/29

All: 159.256+/-213.273 χ^2/NDF: 61.6/60

- sign 242.658+/-303.478 χ^2/NDF: 26.0/30

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: 1276.749+/-0.271 χ^2/NDF:162192.9/13

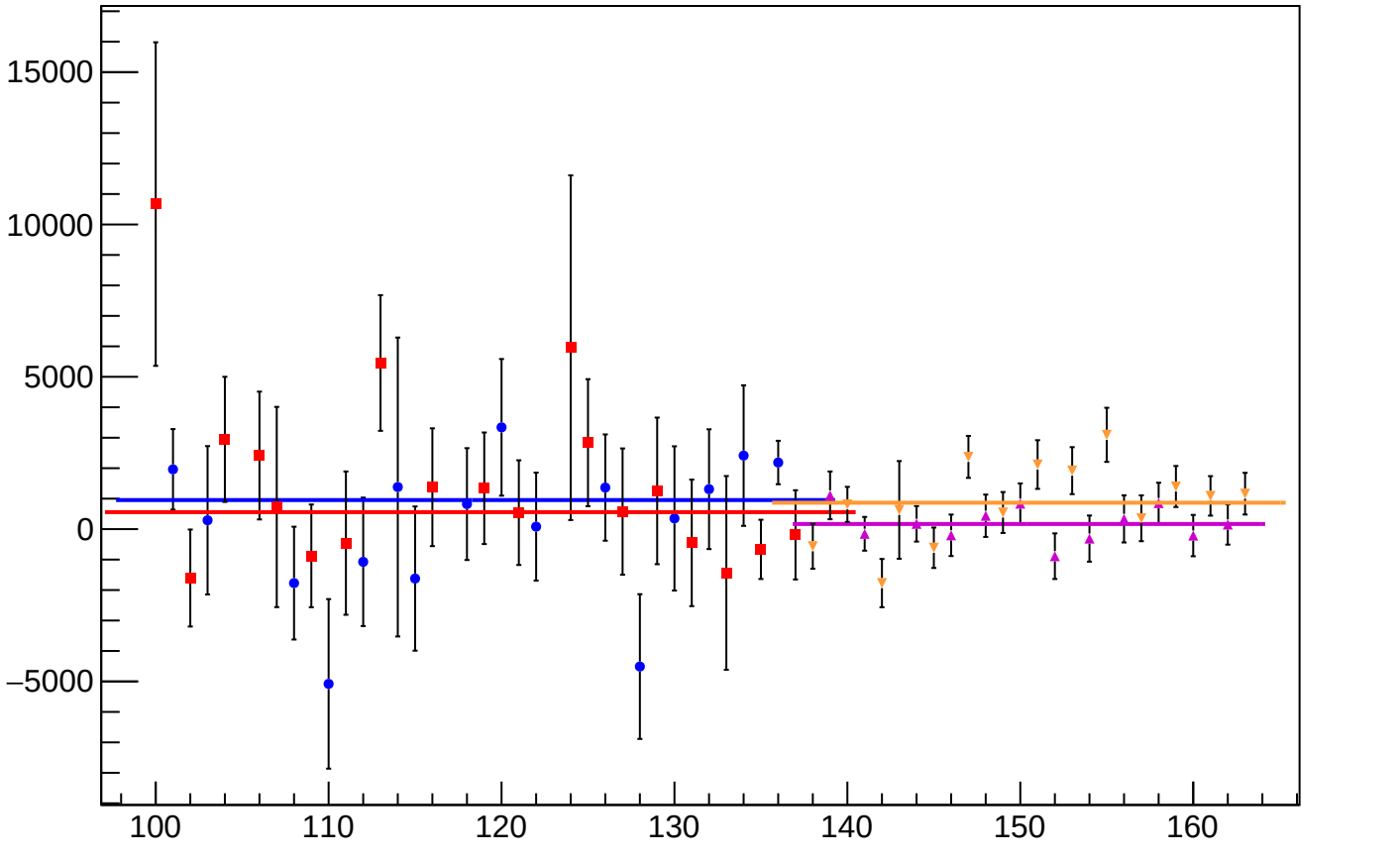
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

+ sign 1275.226+/-0.212 χ^2/NDF: 681574.6/29

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60

- sign 1268.726+/-0.215 χ^2/NDF: 347491.3/30



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

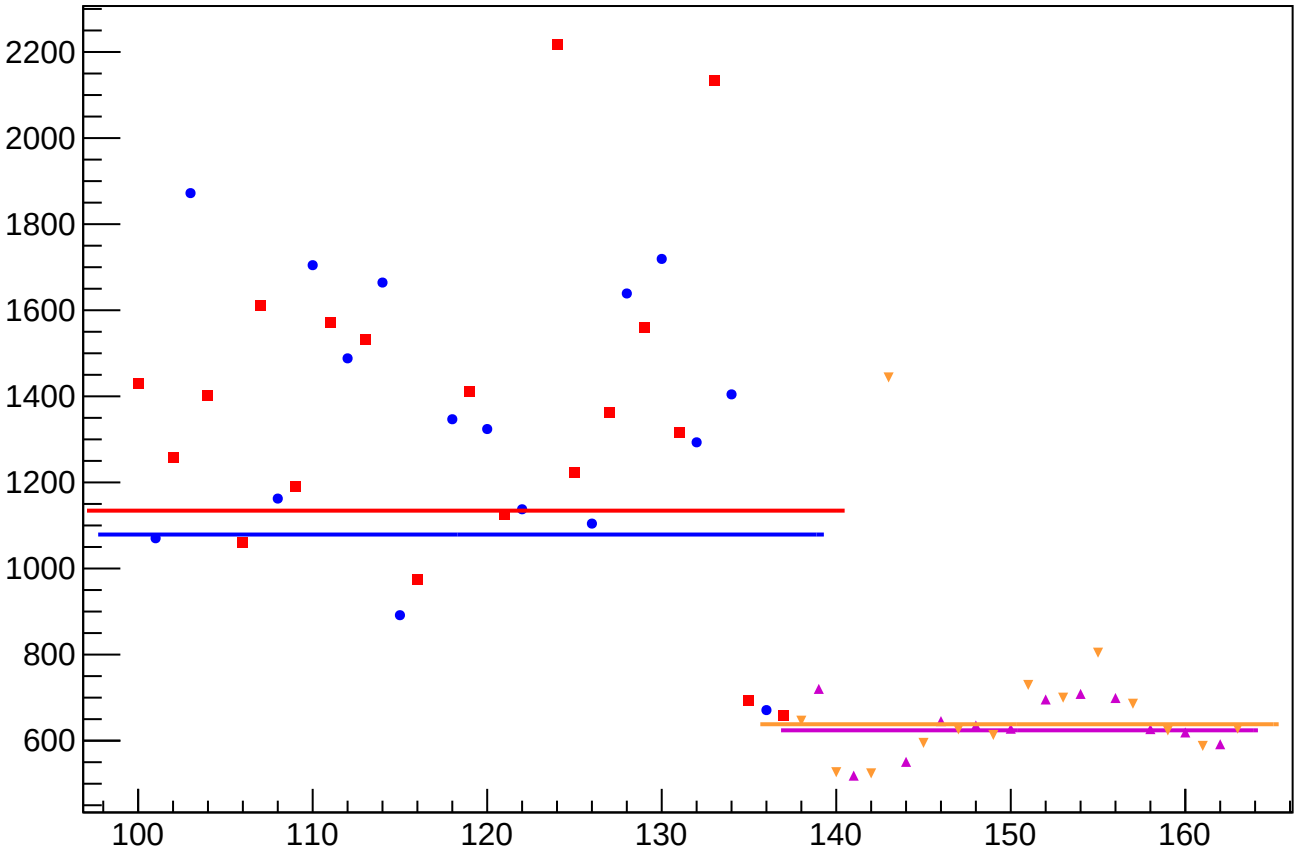
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 168.722+/-195.265 χ^2/NDF:7.0/11

+ sign 882.212+/-176.932 χ^2/NDF: 56.8/29

All: 560.315+/-125.671 χ^2/NDF: 89.5/60

- sign 232.579+/-178.530 χ^2/NDF: 26.1/30



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

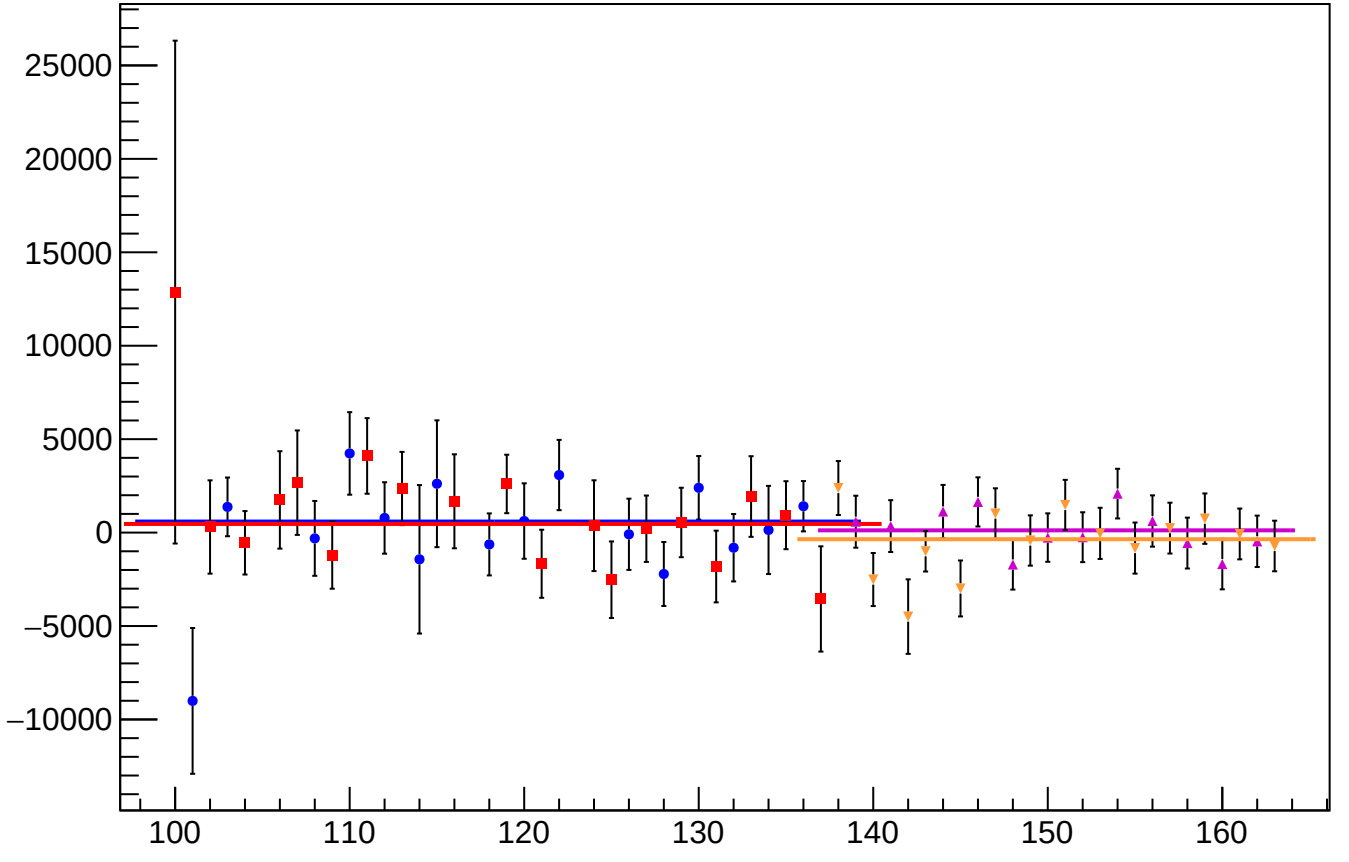
Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

+ sign 714.337+/-0.125 χ^2/NDF: 4016412.4/29

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60

- sign 707.795+/-0.126 χ^2/NDF: 3734107.7/30

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

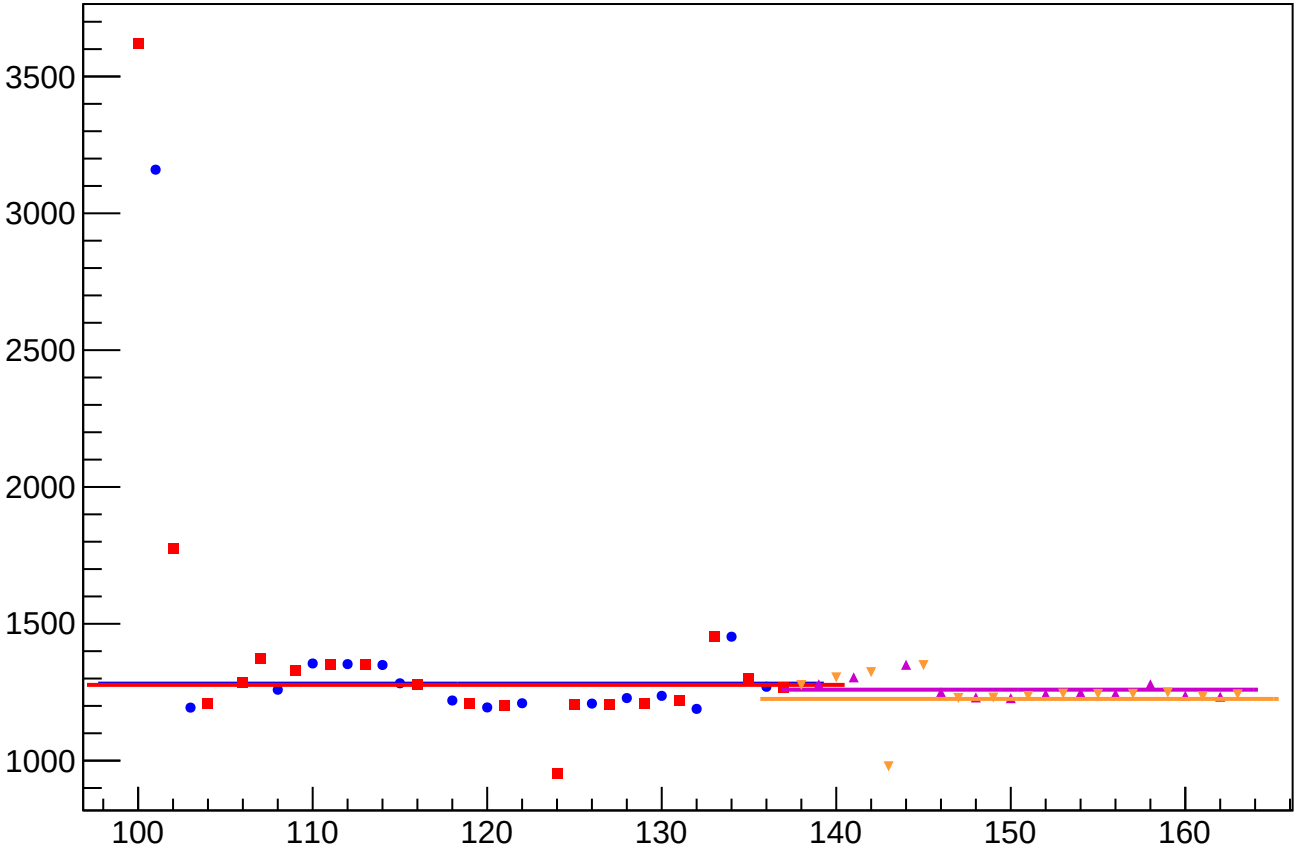
Left In: 120.664+/-391.327 χ^2/NDF:8.5/11

+ sign -10.863+/-292.782 χ^2/NDF: 37.2/29

All: 119.327+/-210.377 χ^2/NDF: 63.2/60

- sign 258.293+/-302.490 χ^2/NDF: 25.5/30

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

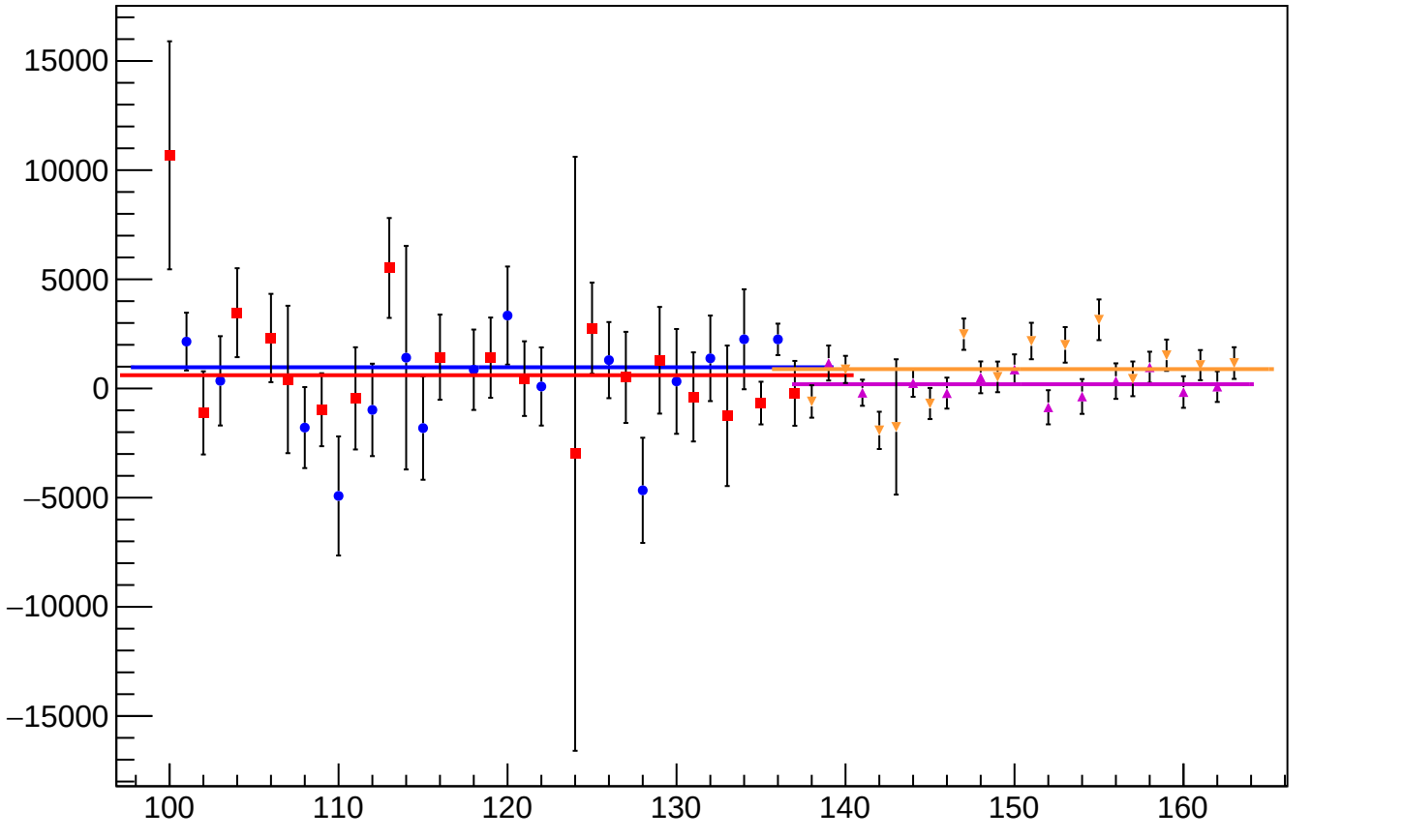
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.8/11

+ sign 1245.837+/-0.207 χ^2/NDF: 656376.5/29

All: 1255.773+/-0.149 χ^2/NDF: 898477.4/60

- sign 1266.379+/-0.214 χ^2/NDF: 237338.9/30



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

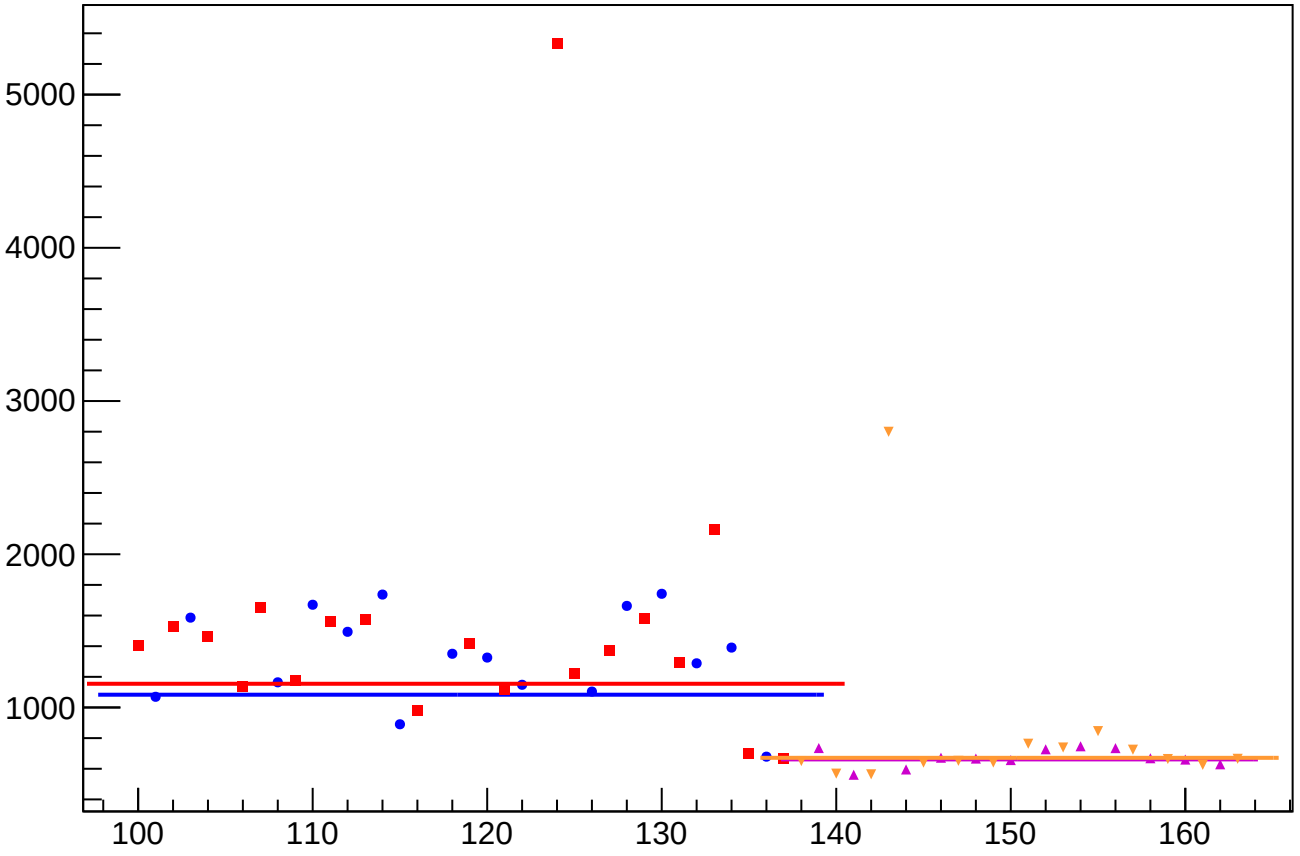
Left In: 194.513+/-206.522 χ^2/NDF:7.2/11

+ sign 903.652+/-185.757 χ^2/NDF: 57.5/29

All: 588.419+/-131.974 χ^2/NDF: 88.3/60

- sign 267.129+/-187.534 χ^2/NDF: 25.0/30

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: 671.408+/-0.146 χ^2/NDF:1166584.2/13

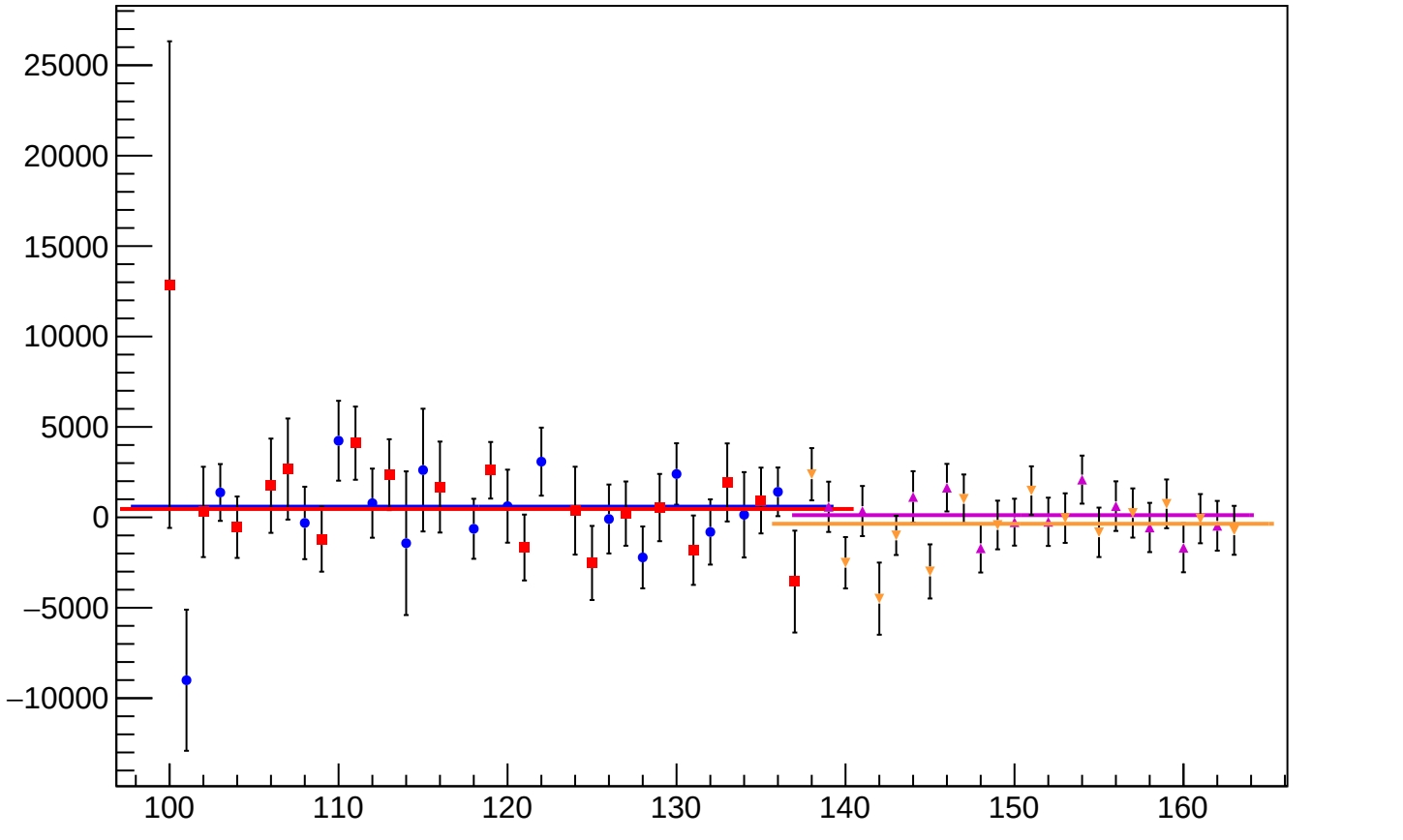
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.023+/-0.146 χ^2/NDF:153484.8/11

+ sign 750.020+/-0.131 χ^2/NDF: 4045463.3/29

All: 748.839+/-0.093 χ^2/NDF: 7692546.5/60

- sign 747.636+/-0.133 χ^2/NDF: 3646920.1/30



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: 462.605+/-476.795 χ^2/NDF: 16.7/18

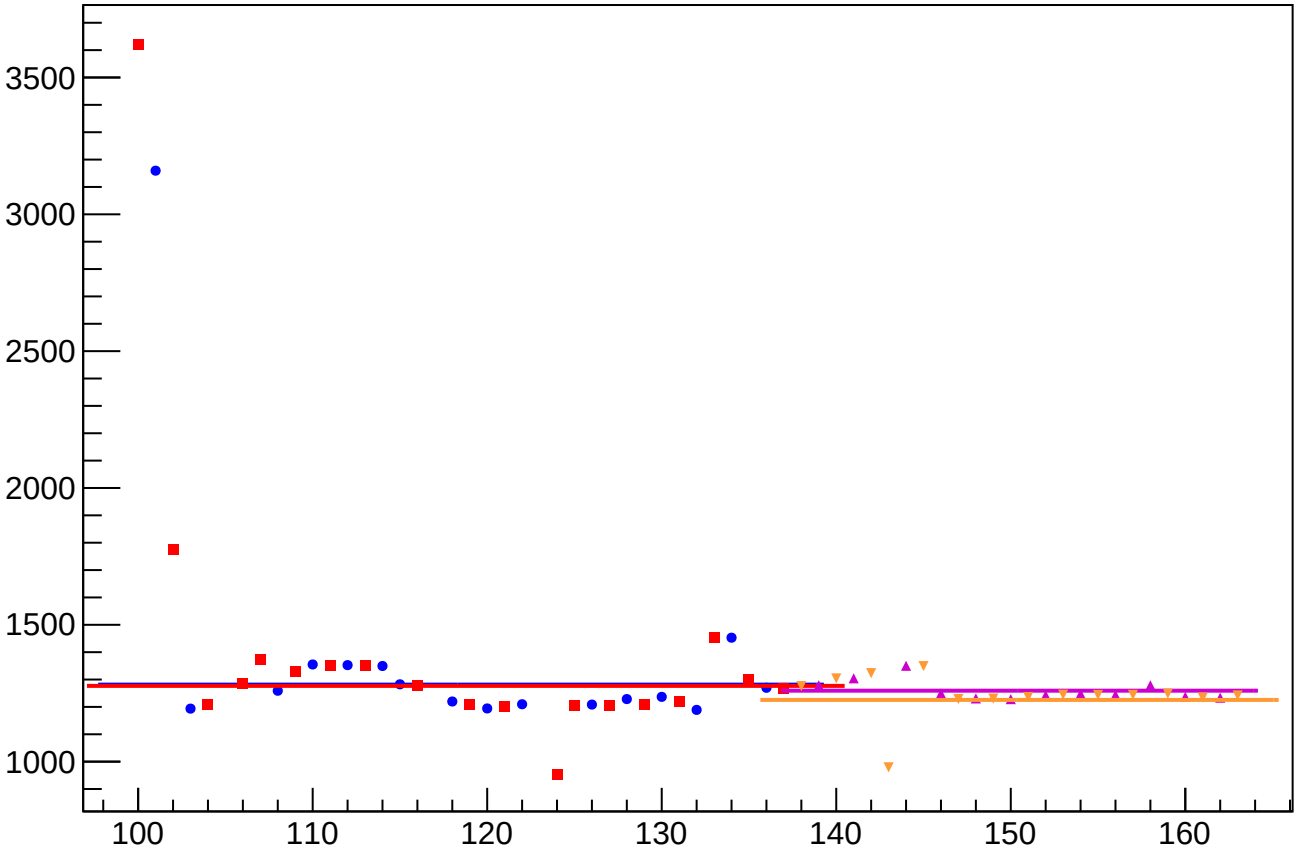
Left In: 120.664+/-391.327 χ^2/NDF:8.5/11

+ sign -10.864+/-292.782 χ^2/NDF: 37.2/29

All: 119.326+/-210.377 χ^2/NDF: 63.2/60

- sign 258.293+/-302.490 χ^2/NDF: 25.5/30

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: 1225.528+/-0.260 χ^2/NDF:132461.0/13

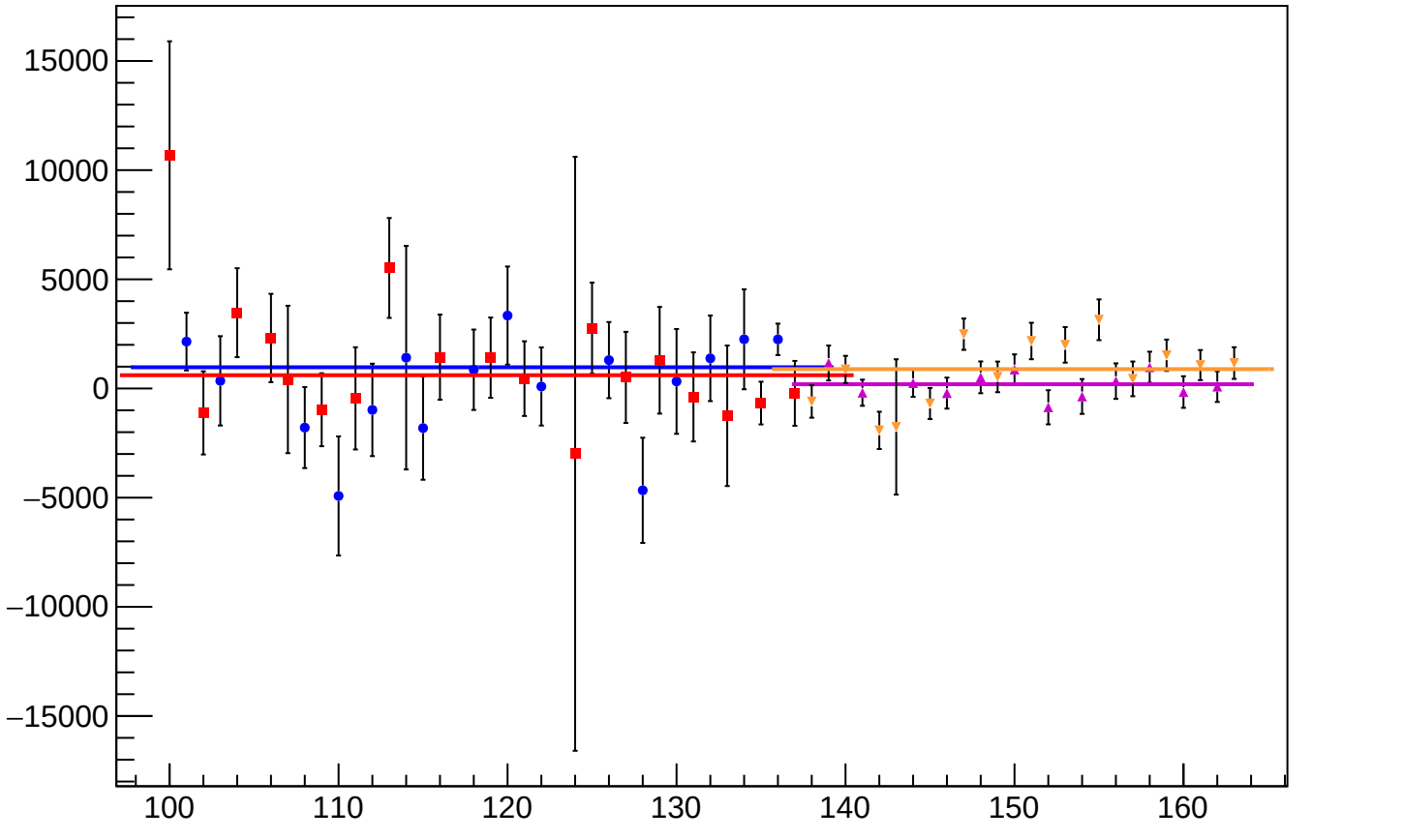
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.9/11

+ sign 1245.837+/-0.207 χ^2/NDF: 656375.8/29

All: 1255.773+/-0.149 χ^2/NDF: 898476.5/60

- sign 1266.379+/-0.214 χ^2/NDF: 237338.8/30



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 887.466+/-206.504 χ^2/NDF:37.1/13

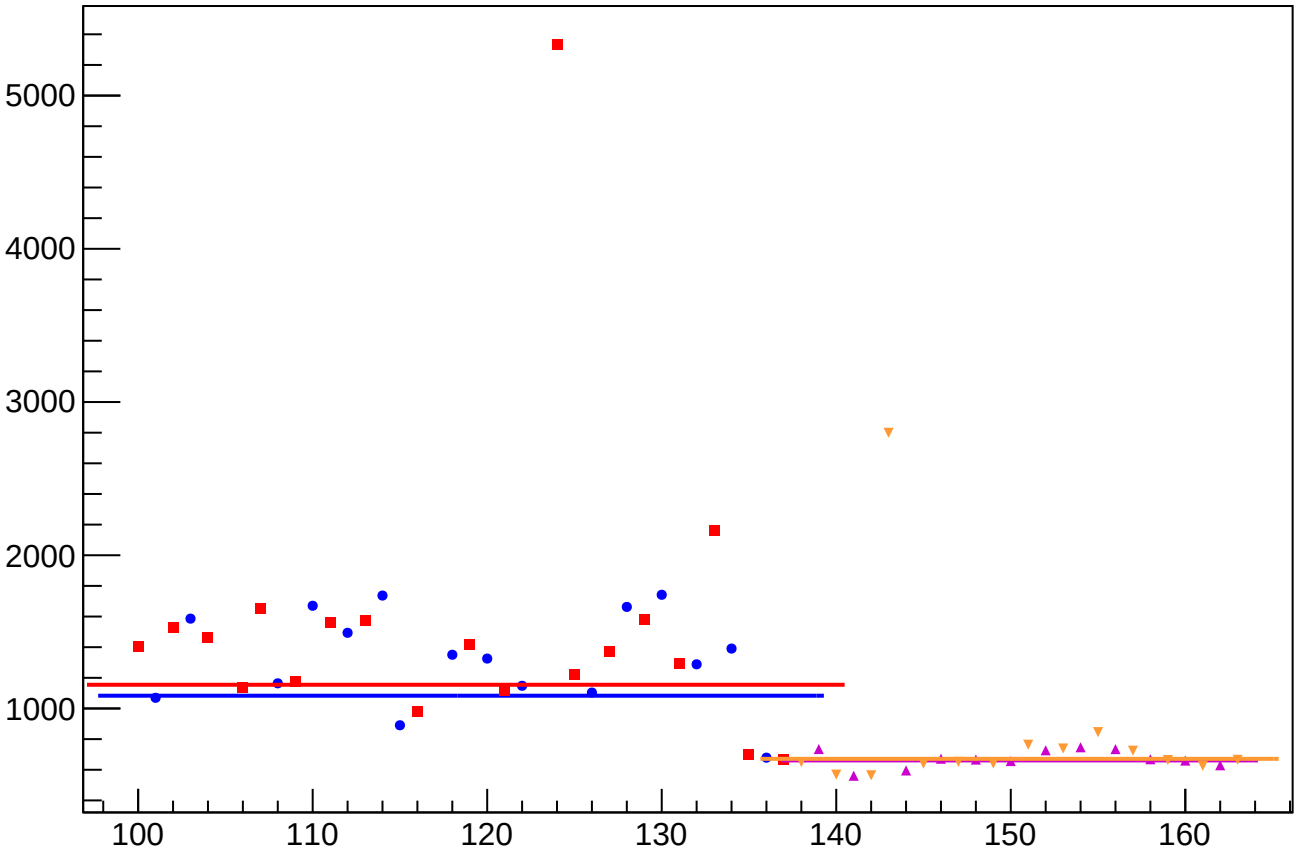
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 194.512+/-206.522 χ^2/NDF:7.2/11

\+ sign 903.652+/-185.758 χ^2/NDF: 57.5/29

All: 588.419+/-131.974 χ^2/NDF: 88.3/60

\- sign 267.130+/-187.534 χ^2/NDF: 25.0/30



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

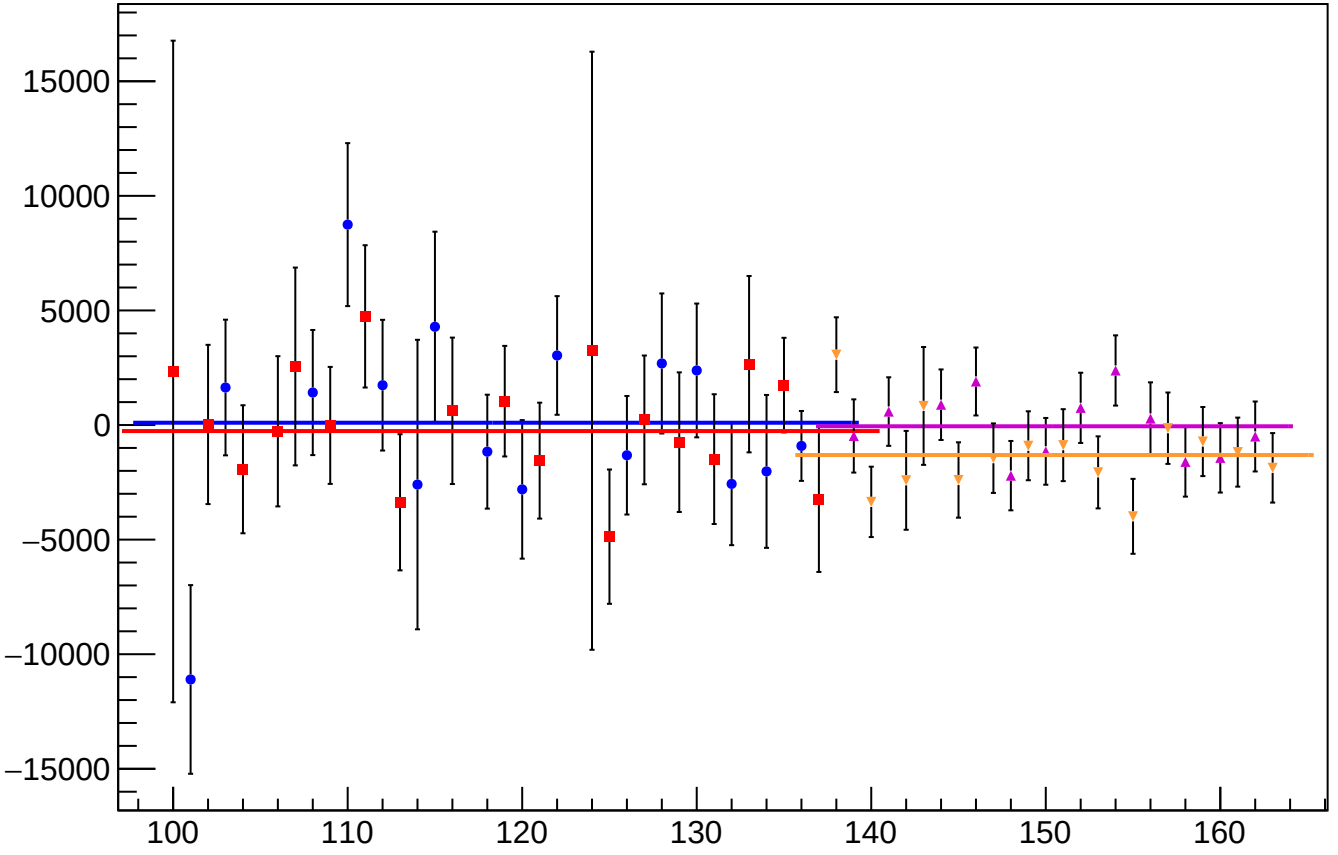
Left In: 661.023+/-0.146 χ^2/NDF:153488.5/11

+ sign 750.021+/-0.131 χ^2/NDF: 4045434.8/29

All: 748.840+/-0.093 χ^2/NDF: 7692515.6/60

- sign 747.636+/-0.133 χ^2/NDF: 3646917.5/30

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

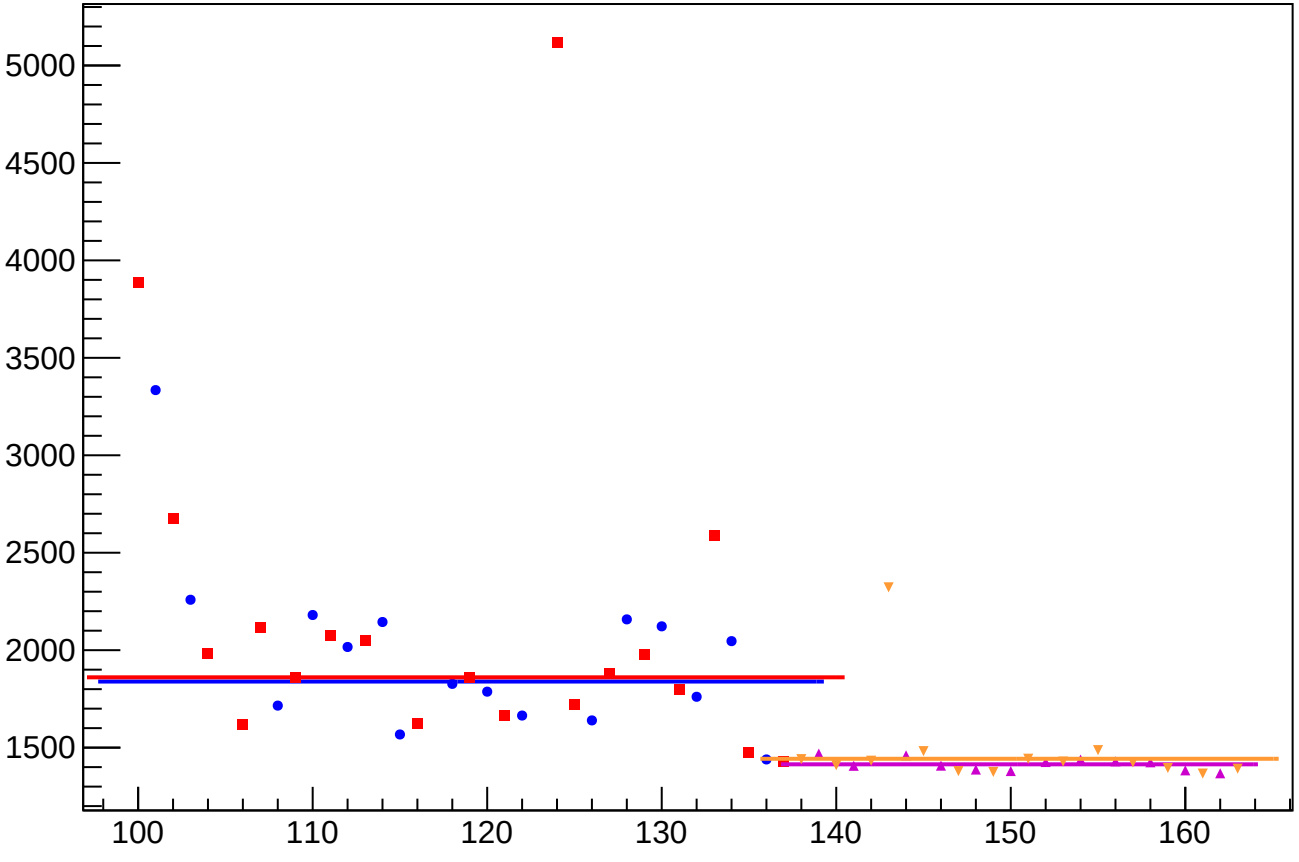
Left In: -54.404+/-439.479 χ^2/NDF:9.8/11

\+ sign -917.351+/-368.304 χ^2/NDF: 38.5/29

All: -519.532+/-261.784 χ^2/NDF: 61.0/60

\- sign -113.336+/-372.162 χ^2/NDF: 20.2/30

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

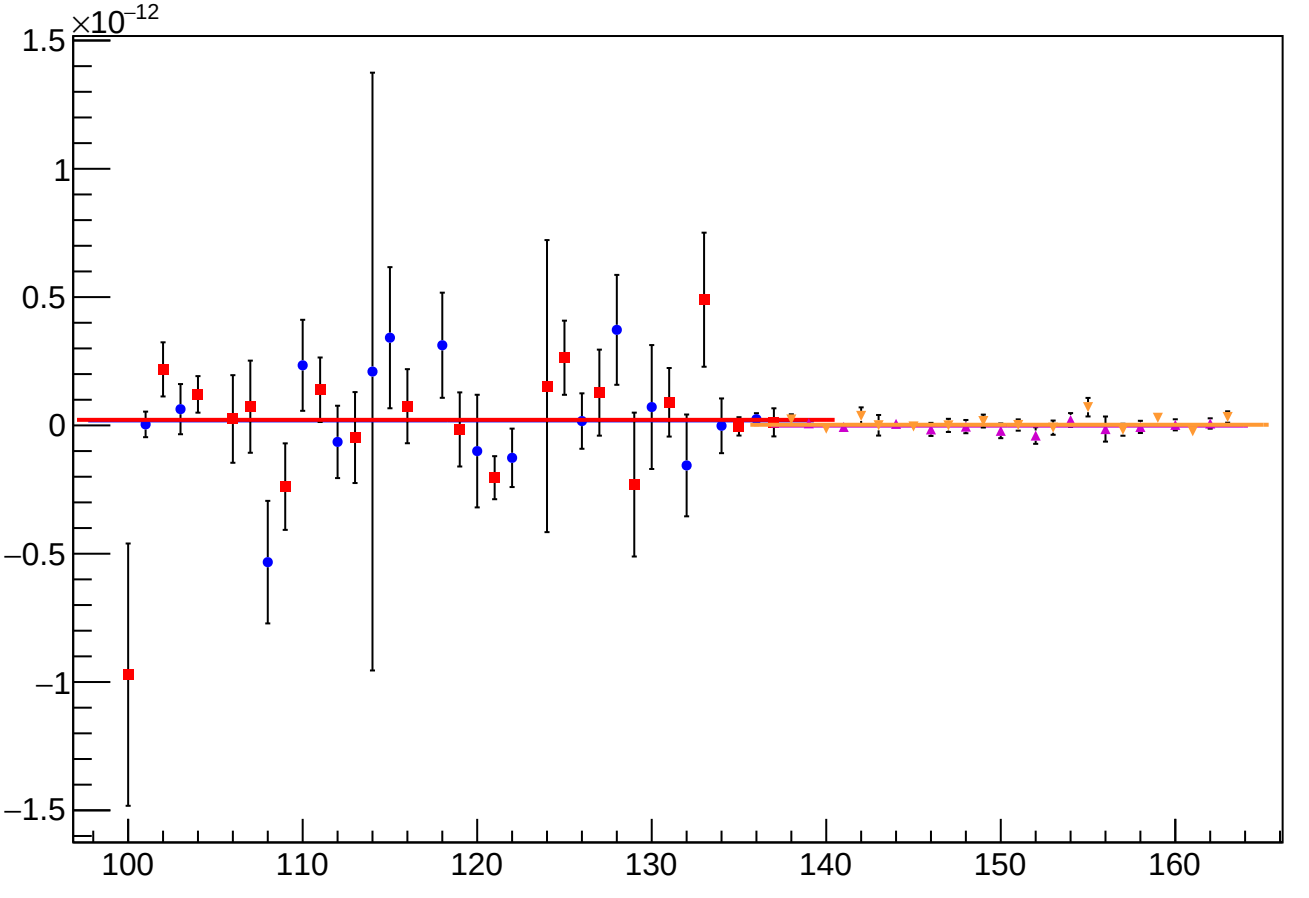
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1414.340+/-0.311 χ^2/NDF:9546.8/11

+ sign 1552.828+/-0.260 χ^2/NDF: 1275911.8/29

All: 1546.790+/-0.185 χ^2/NDF: 2392436.9/60

- sign 1540.626+/-0.263 χ^2/NDF: 1115438.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

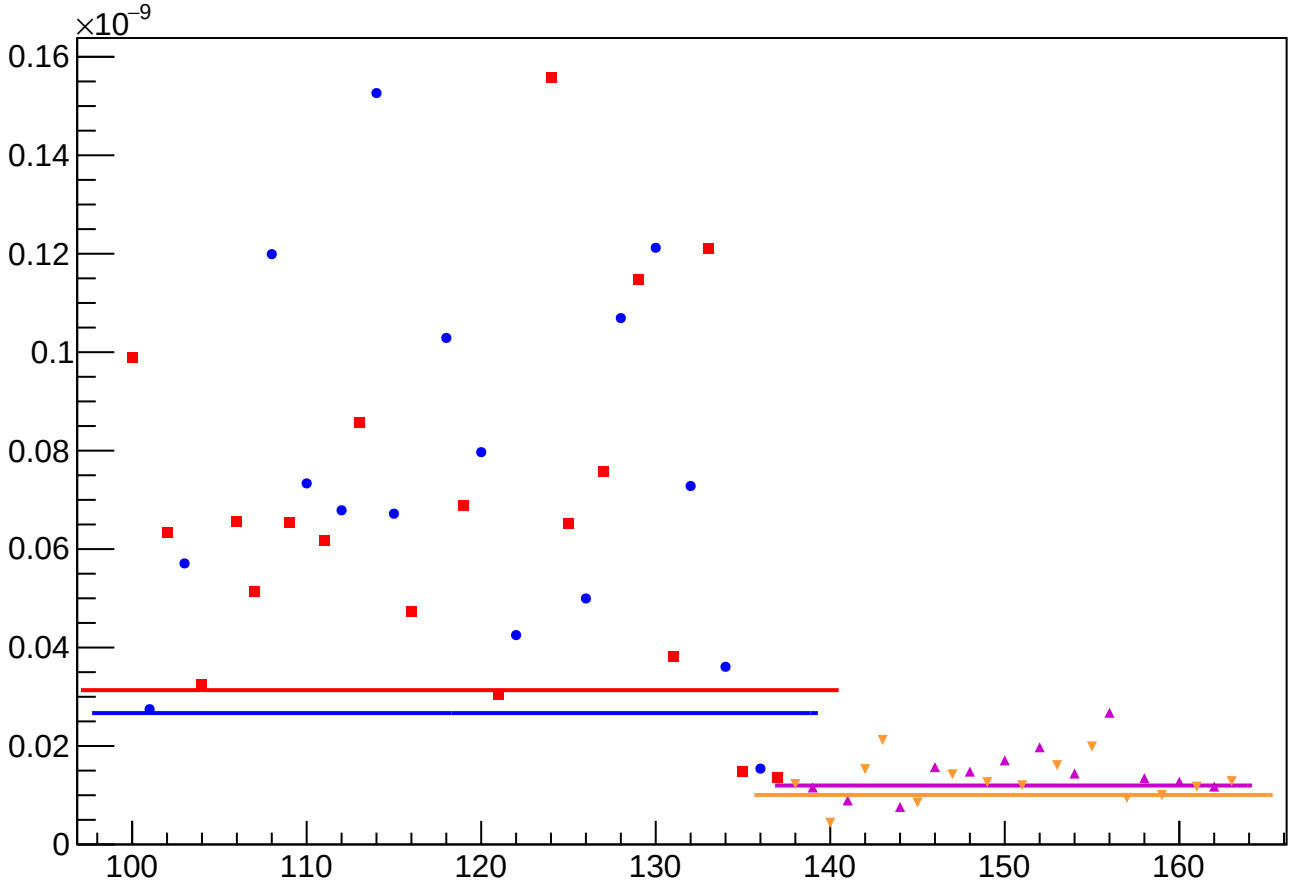
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 65.1/60

- sign 0.000+/-0.000 χ^2/NDF: 33.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1192092.8/13

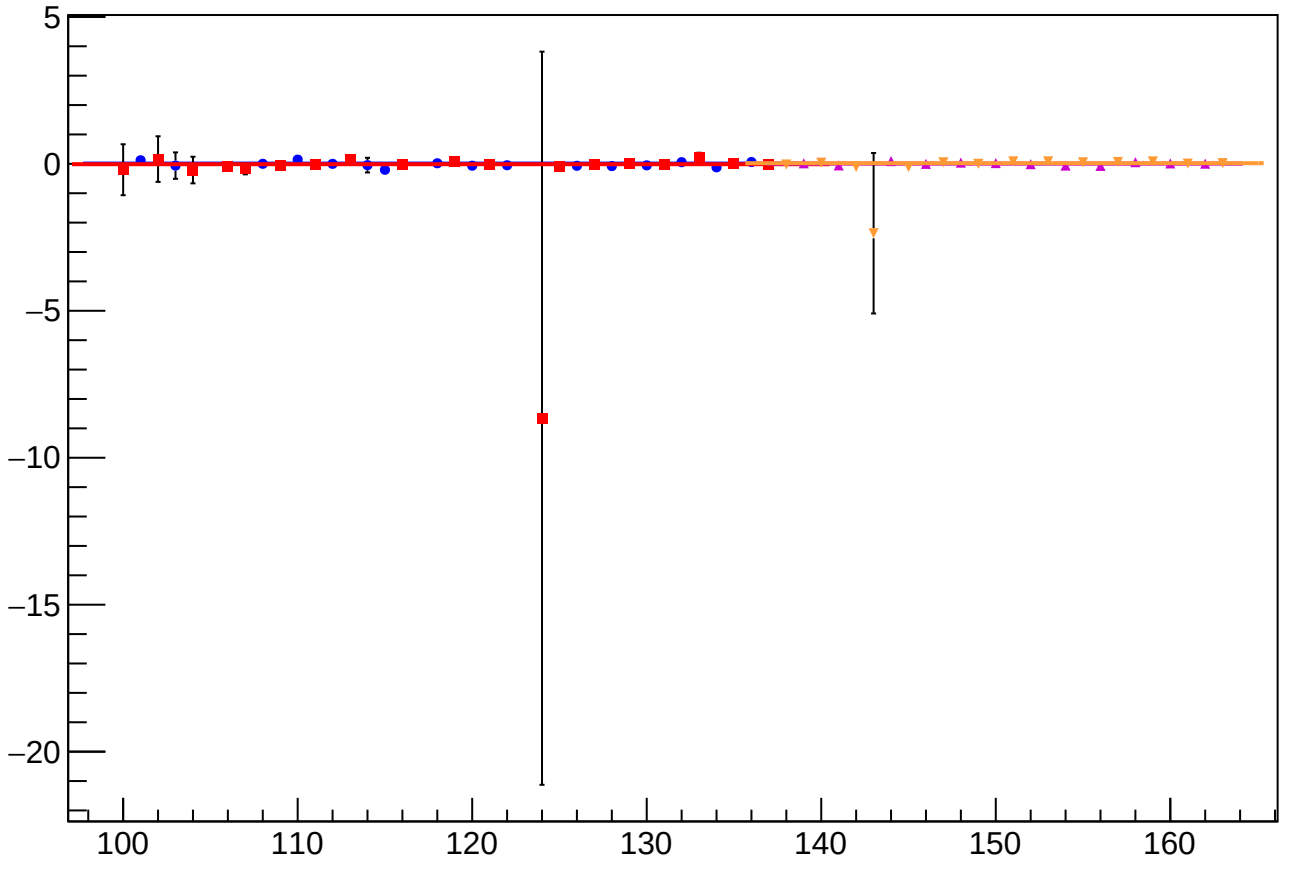
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740427.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 5215045.4/29

All: 0.000+/-0.000 χ^2/NDF: 9761342.1/60

- sign 0.000+/-0.000 χ^2/NDF: 4416132.5/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

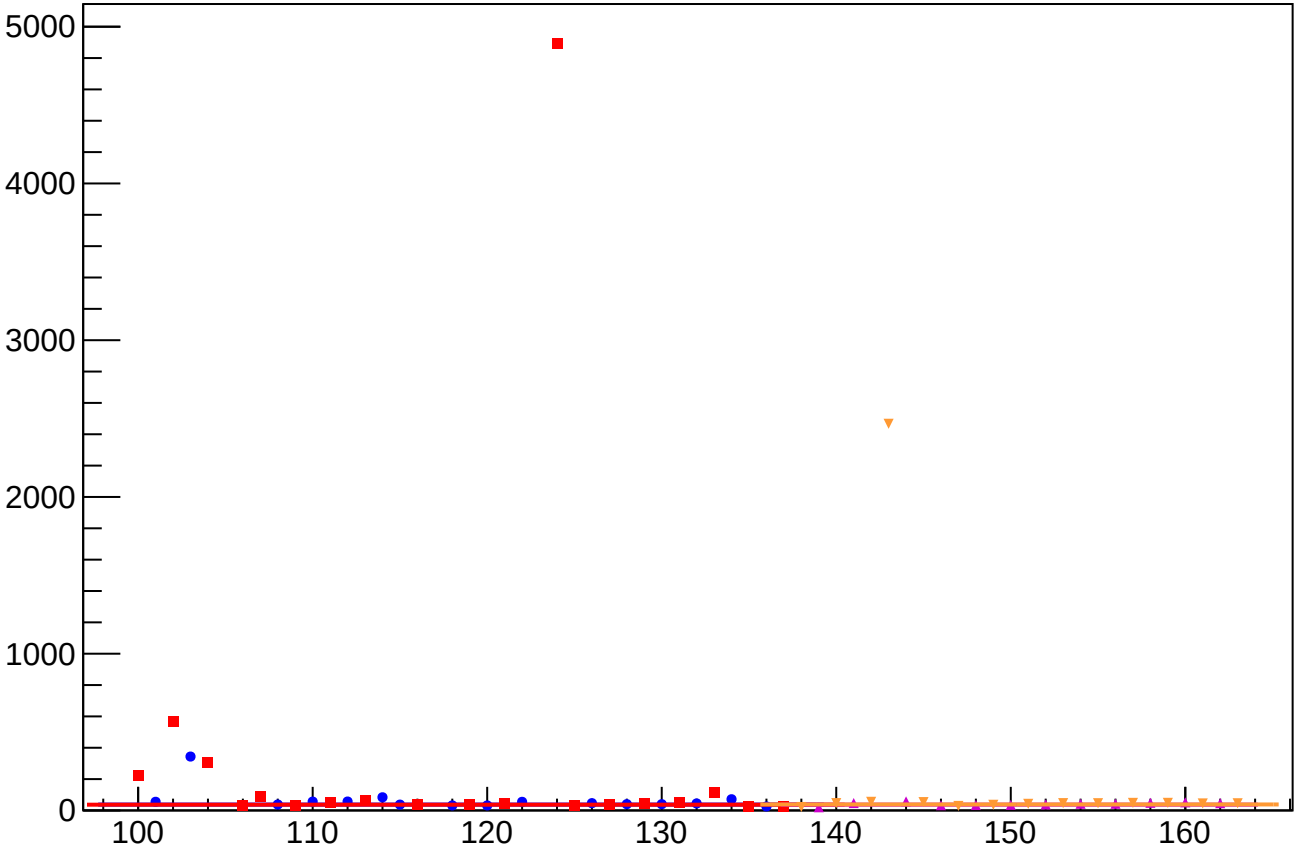
Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

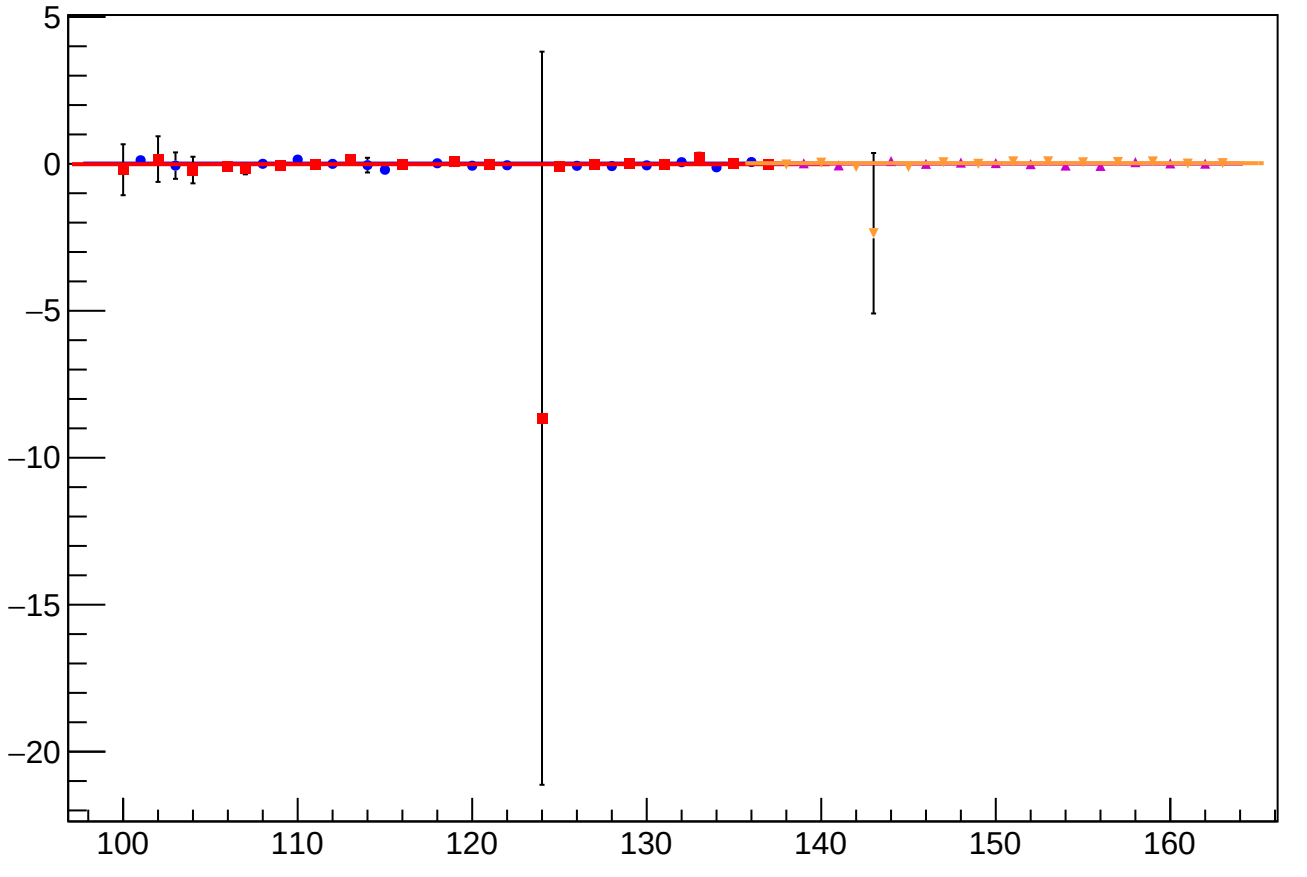
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

- sign 36.875+/-0.007 χ^2/NDF: 4598079.3/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

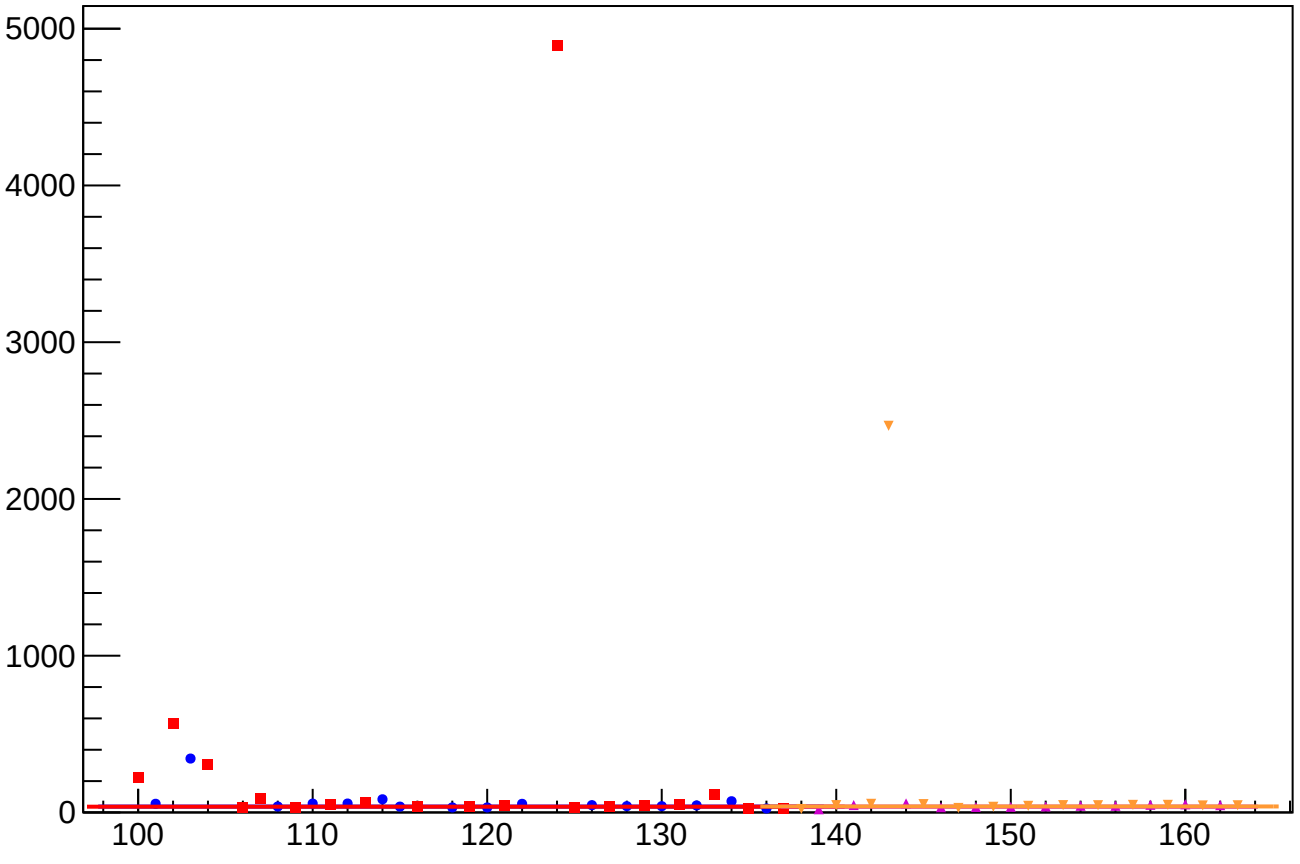
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 38.280+/-0.009 χ^2/NDF:2954203.2/13

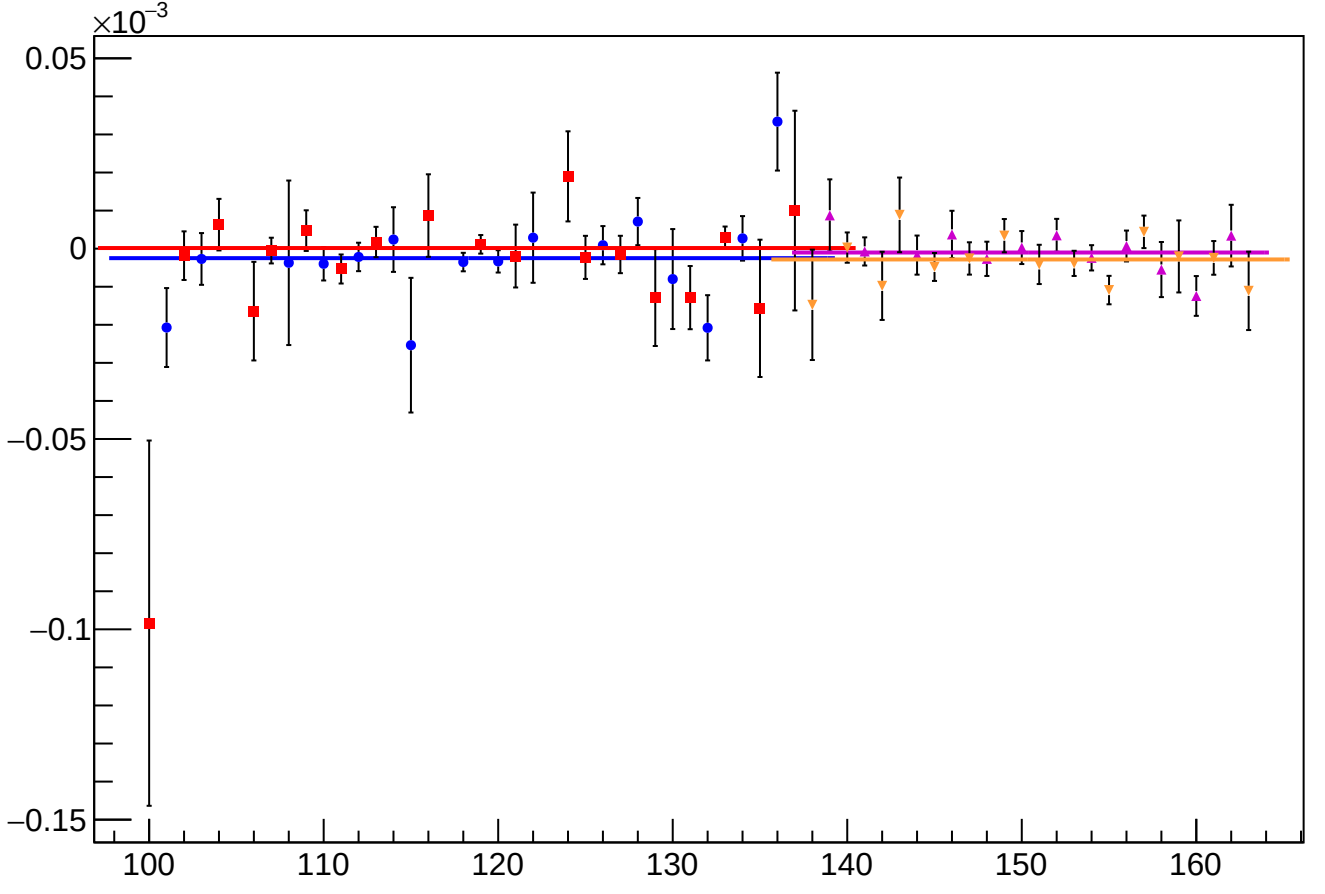
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

+ sign 37.971+/-0.007 χ^2/NDF: 4940376.1/29

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

- sign 36.875+/-0.007 χ^2/NDF: 4598079.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

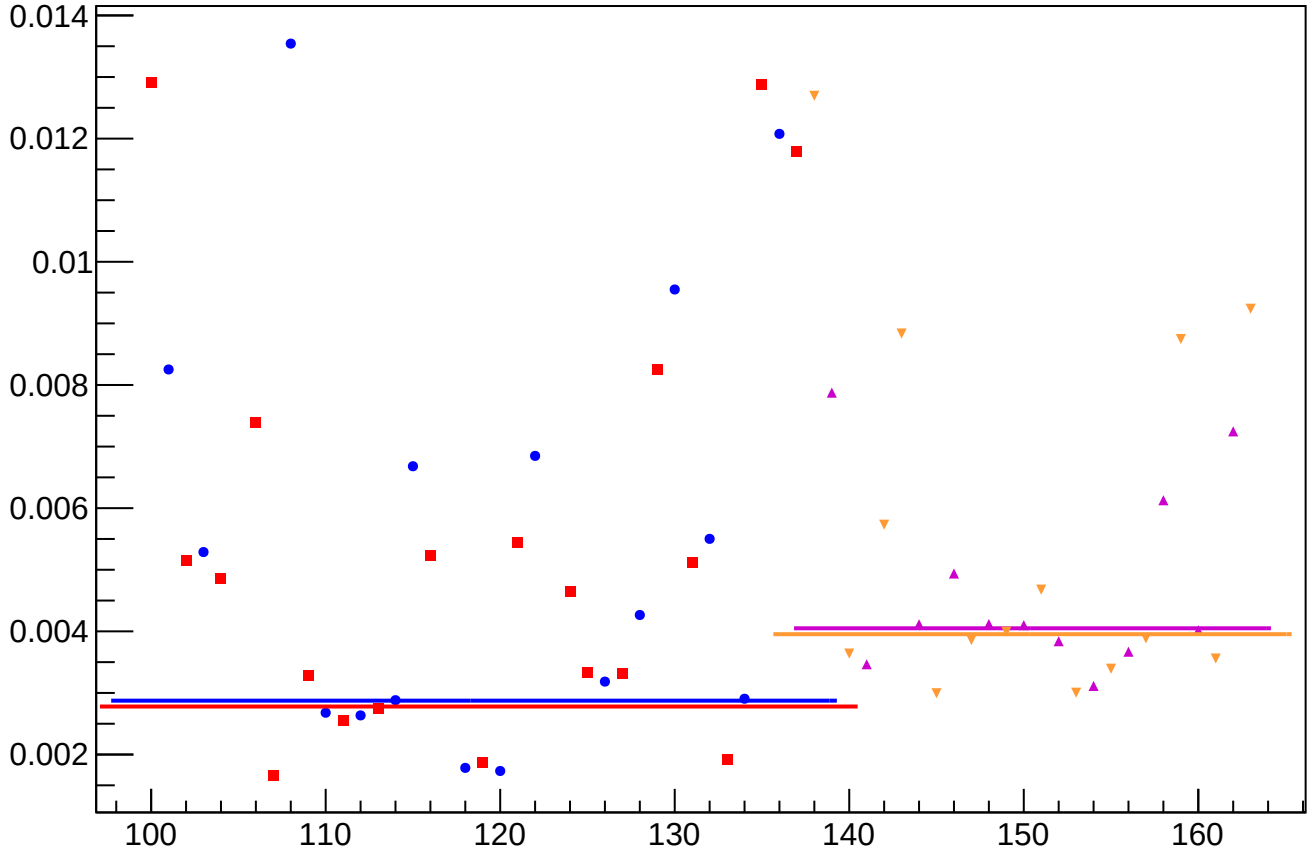
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 67.3/60

- sign -0.000+/-0.000 χ^2/NDF: 28.1/30



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

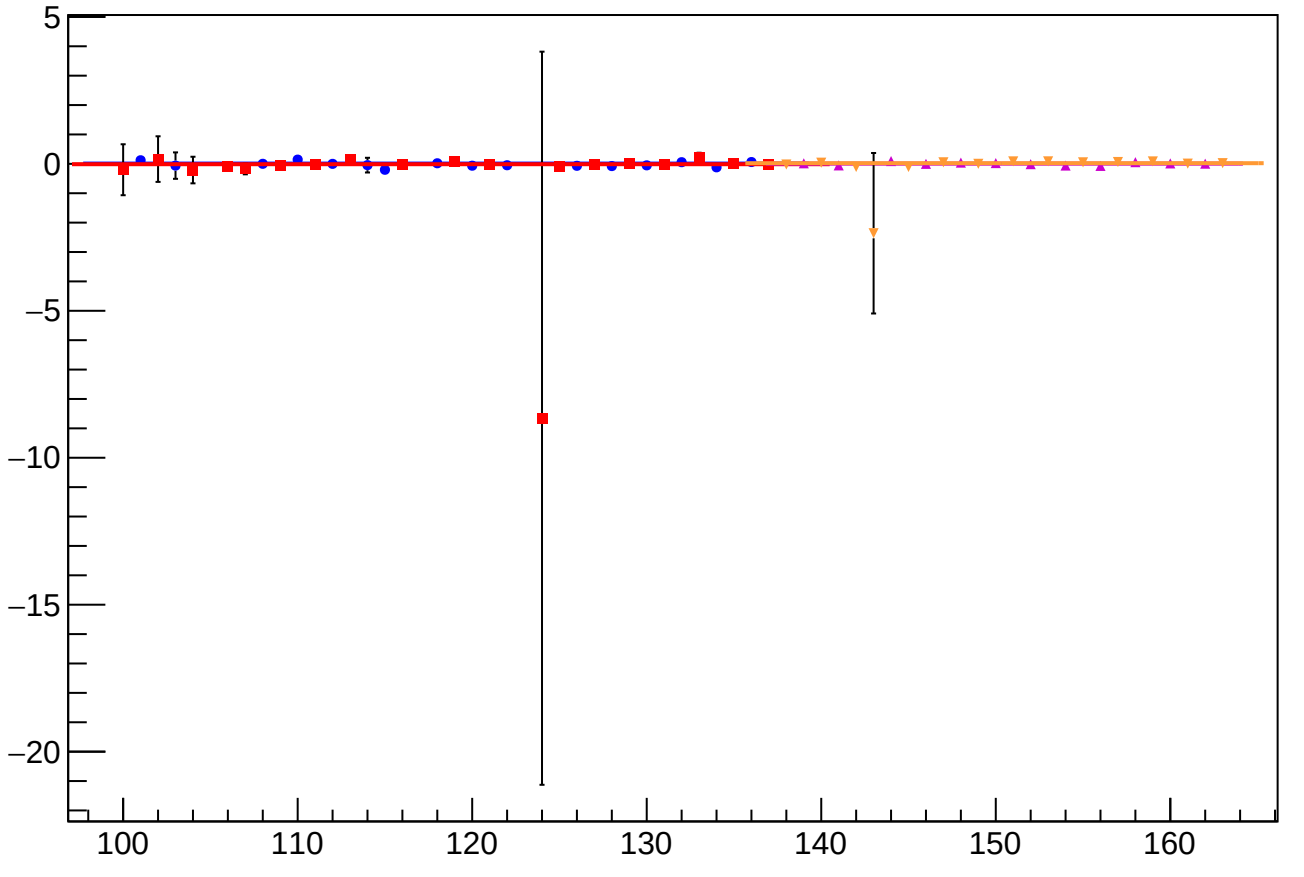
Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1077290.4/11

+ sign 0.003+/-0.000 χ^2/NDF: 7601257.2/29

All: 0.003+/-0.000 χ^2/NDF: 12988657.8/60

- sign 0.003+/-0.000 χ^2/NDF: 5373556.3/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

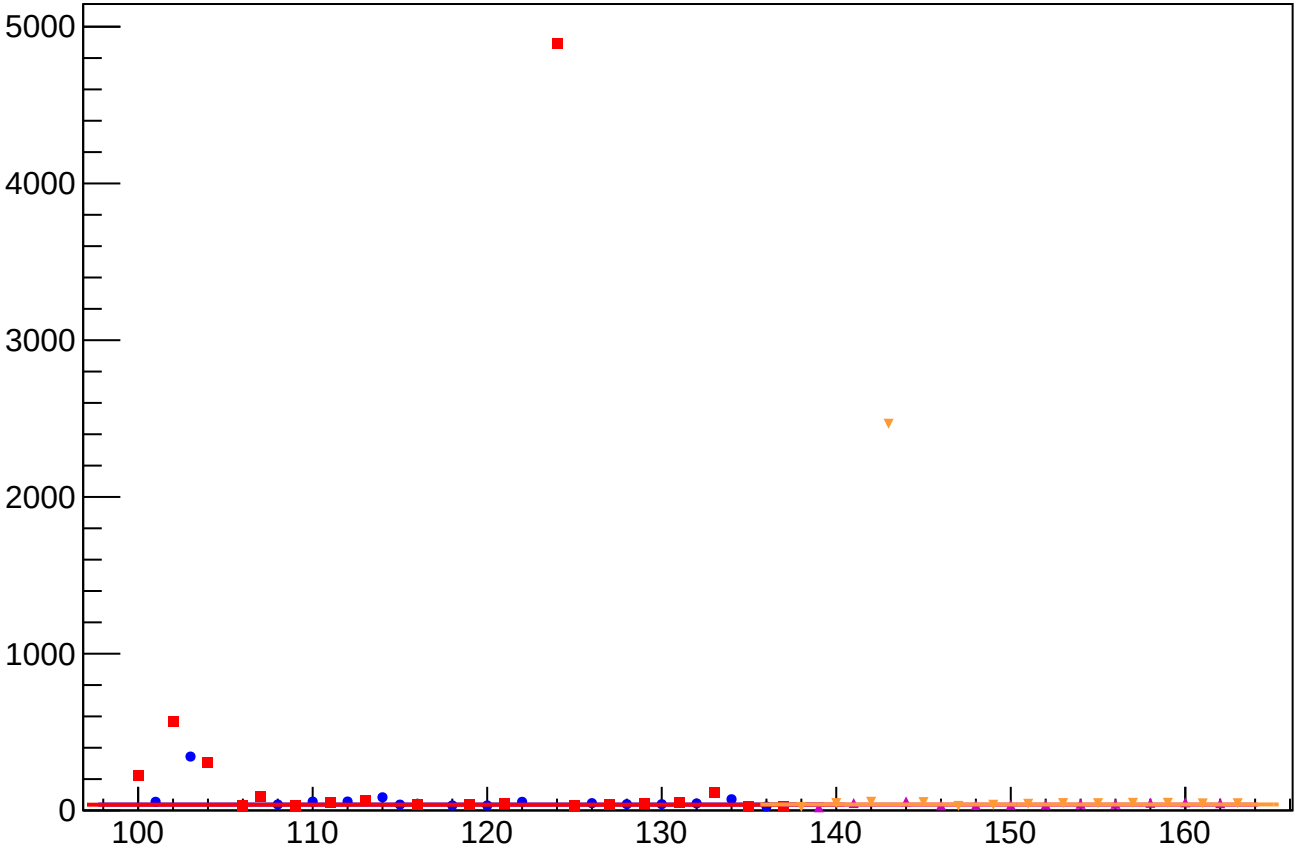
Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

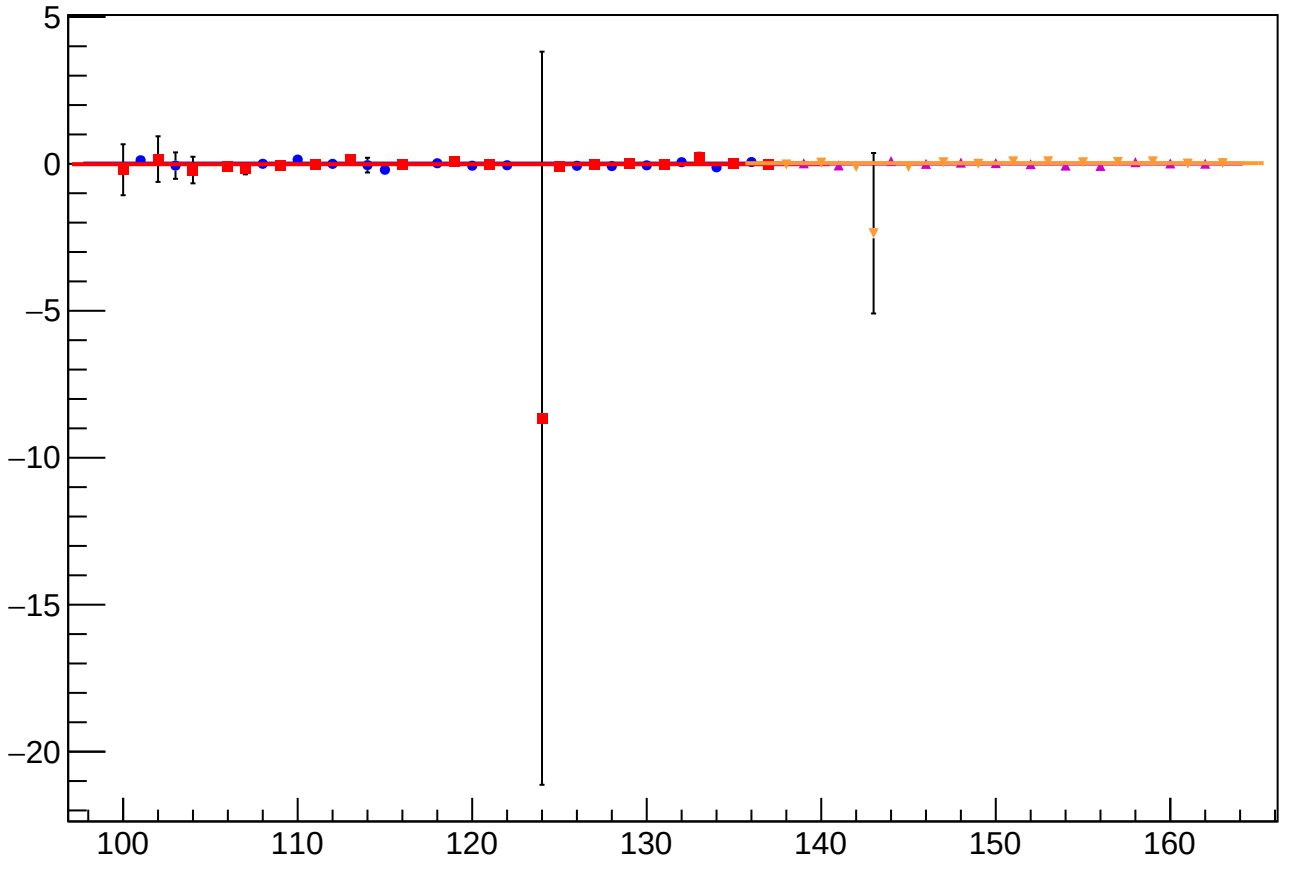
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

- sign 36.877+/-0.007 χ^2/NDF: 4596630.1/30



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

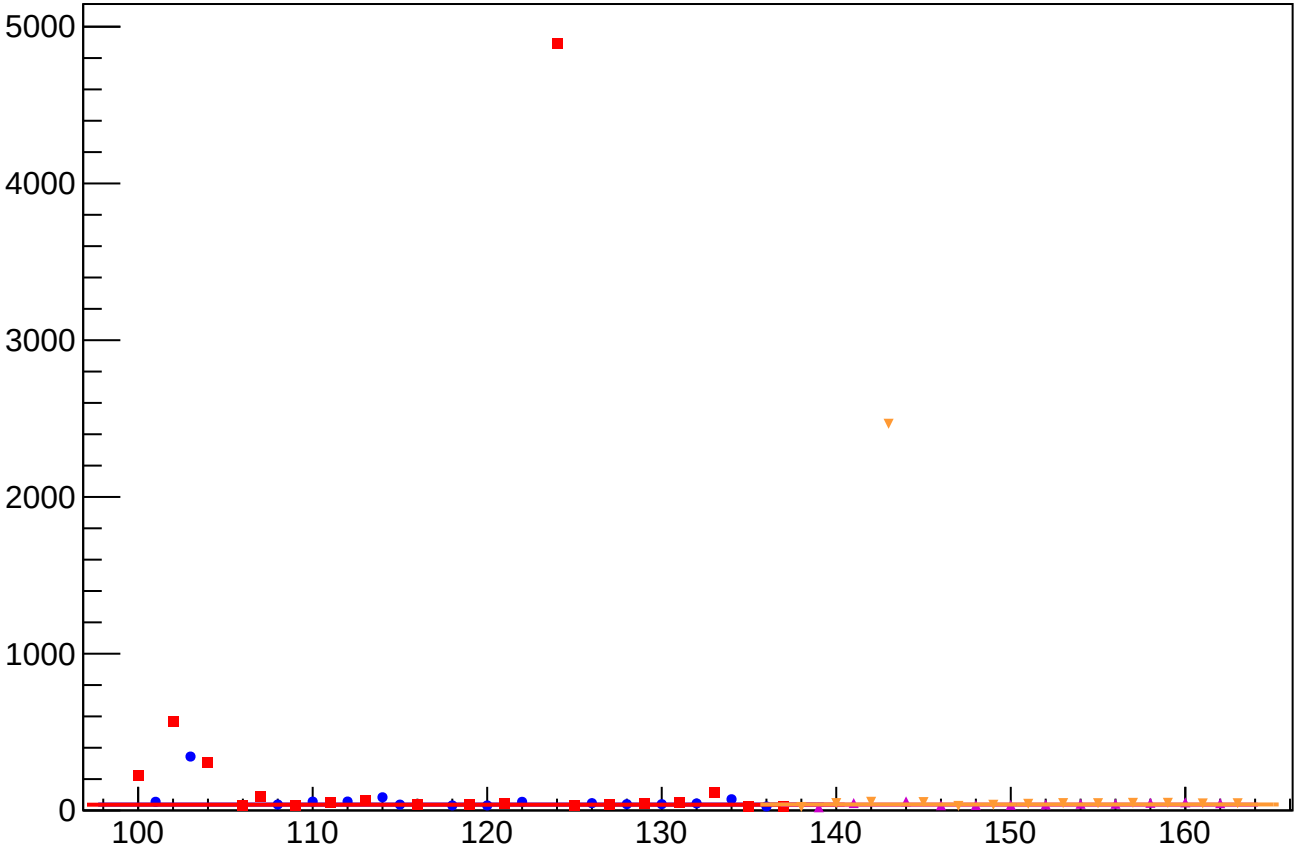
Left In: 0.006+/-0.013 χ^2/NDF:9.6/11

+ sign 0.017+/-0.010 χ^2/NDF: 36.0/29

All: 0.008+/-0.007 χ^2/NDF: 60.5/60

- sign -0.001+/-0.010 χ^2/NDF: 23.0/30

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

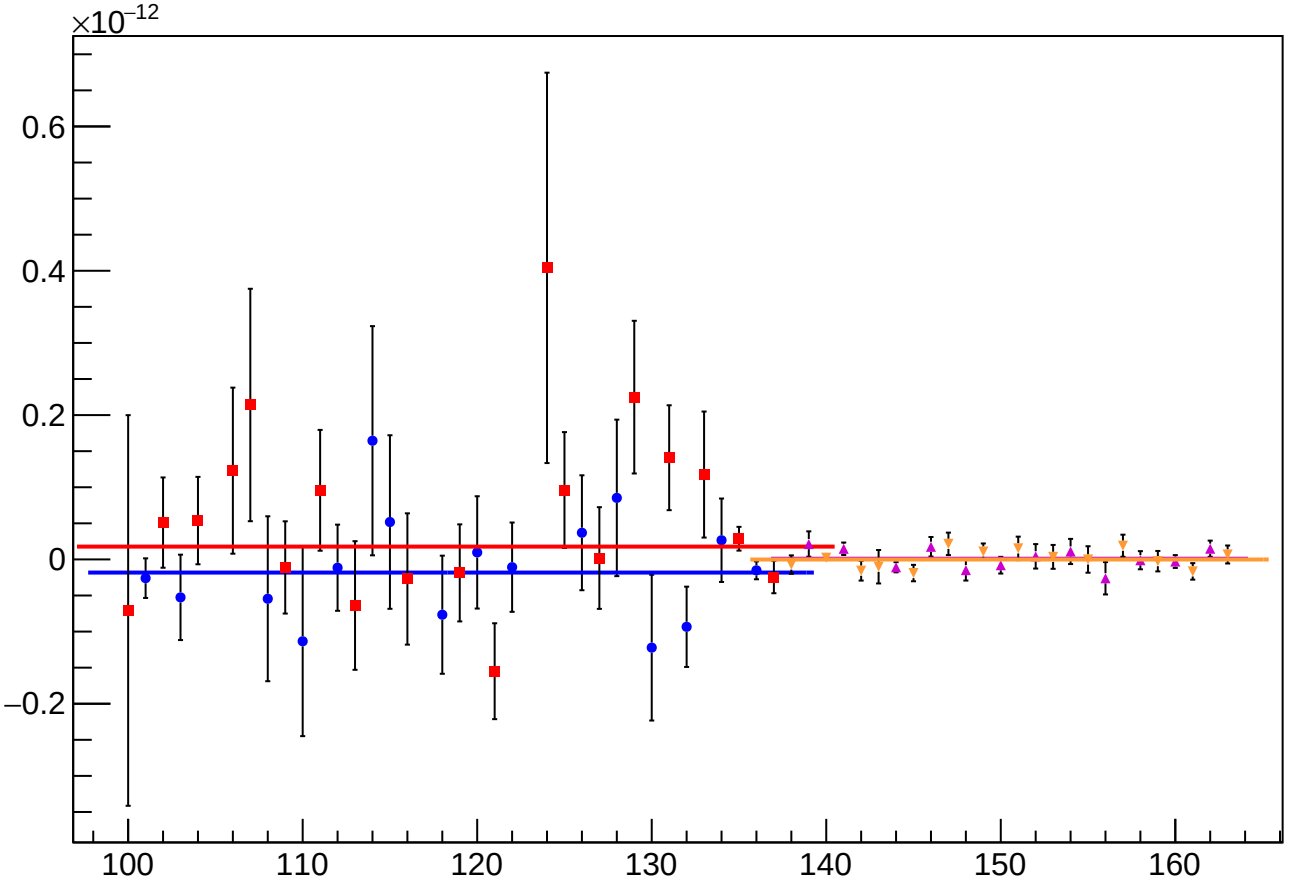
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

+ sign 37.969+/-0.007 χ^2/NDF: 4940806.2/29

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

- sign 36.877+/-0.007 χ^2/NDF: 4596630.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/13

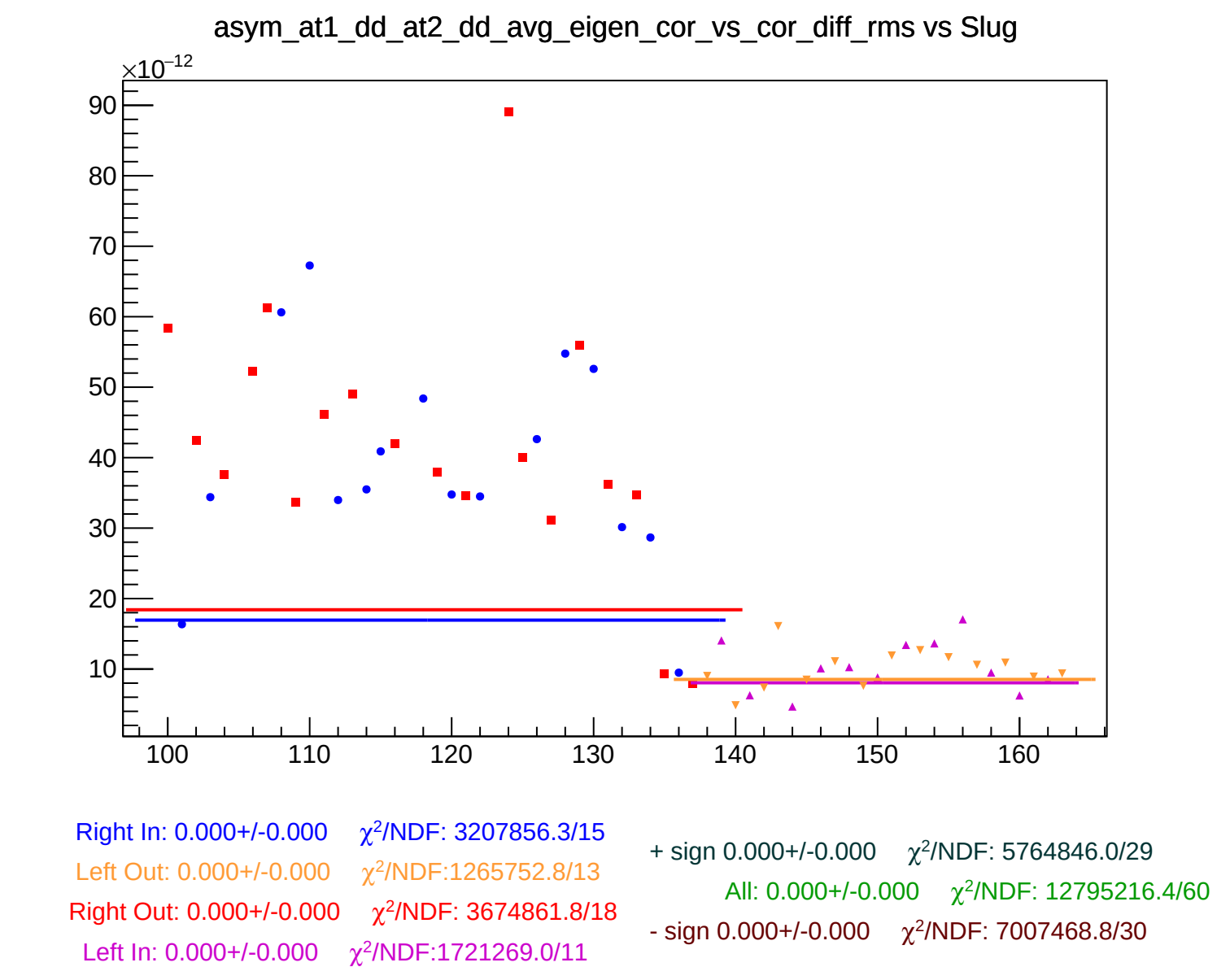
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

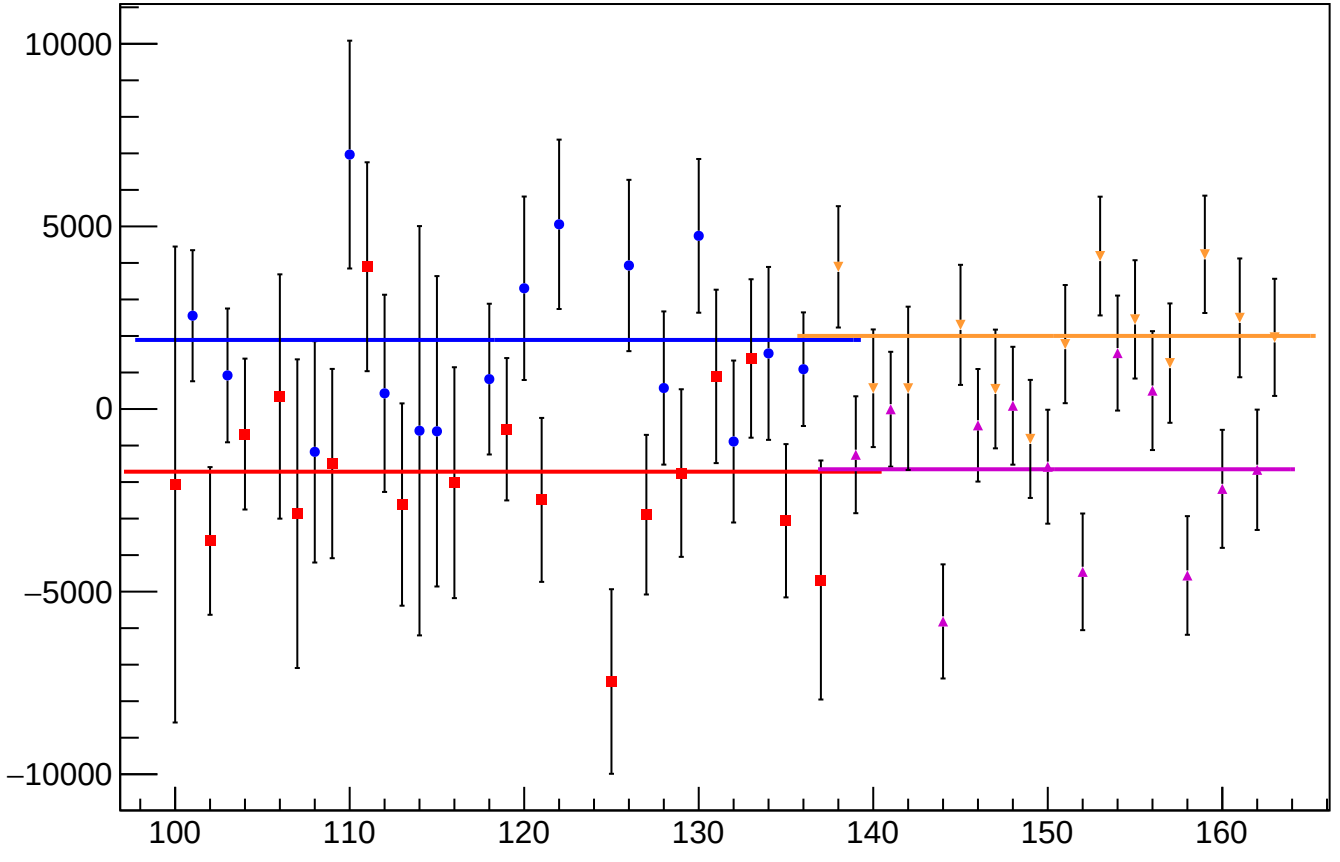
+ sign -0.000+/-0.000 χ^2/NDF: 23.7/29

All: 0.000+/-0.000 χ^2/NDF: 67.7/60

- sign 0.000+/-0.000 χ^2/NDF: 43.0/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1265752.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1721269.0/11
+ sign 0.000+/-0.000 χ²/NDF: 5764846.0/29
All: 0.000+/-0.000 χ²/NDF: 12795216.4/60
- sign 0.000+/-0.000 χ²/NDF: 7007468.8/30

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.775+/-458.886 χ^2/NDF:10.5/12

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

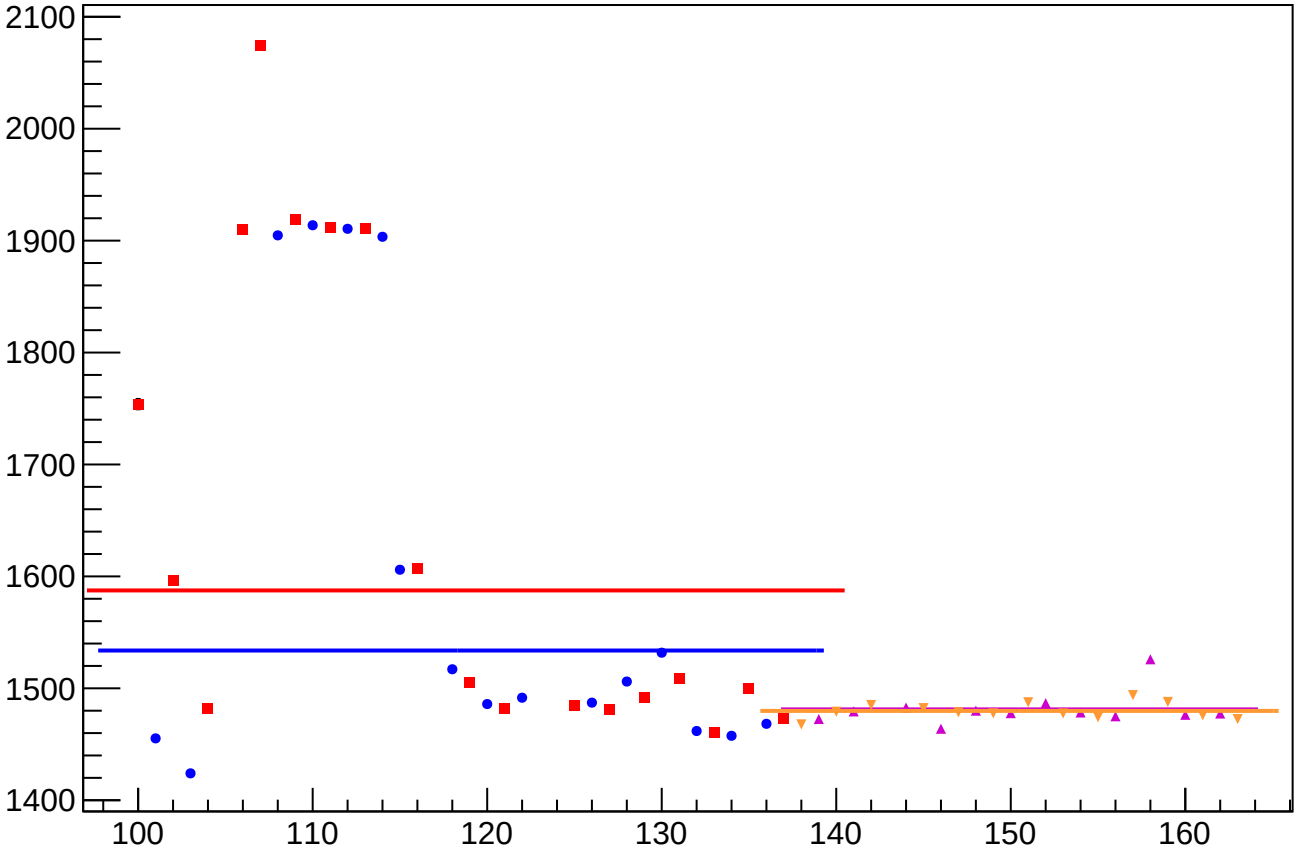
Left In: -1649.534+/-460.115 χ^2/NDF:22.3/11

+ sign 1958.599+/-357.996 χ^2/NDF: 22.8/28

All: 165.756+/-254.794 χ^2/NDF: 111.8/58

- sign -1674.661+/-362.715 χ^2/NDF: 38.3/29

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

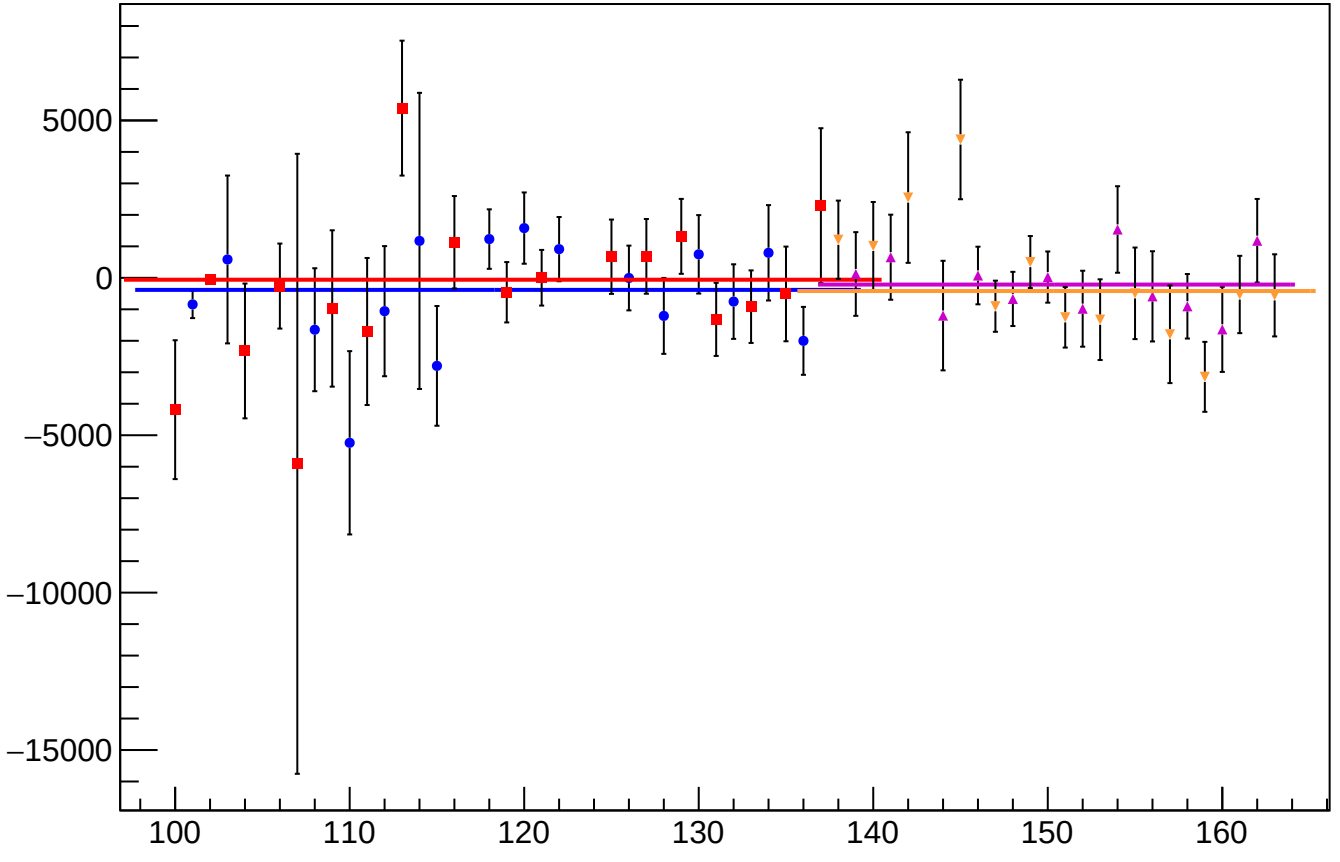
Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

+ sign 1500.934+/-0.253 χ^2/NDF: 140543.1/28

All: 1511.038+/-0.180 χ^2/NDF: 358093.8/58

- sign 1521.409+/-0.256 χ^2/NDF: 214322.7/29

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.809+/-328.122 χ^2/NDF:20.9/12

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

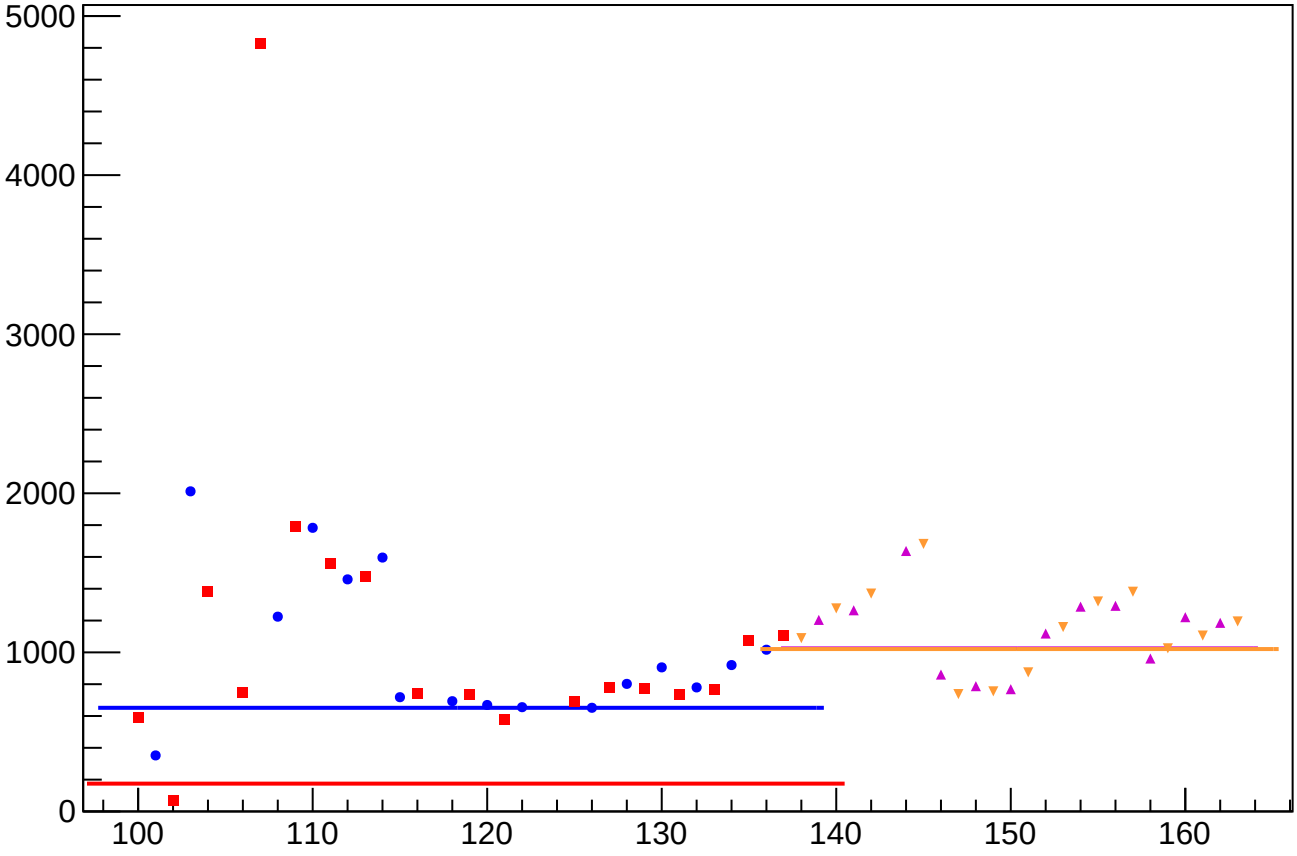
Left In: -213.771+/-328.428 χ^2/NDF:6.0/11

+ sign -397.472+/-209.501 χ^2/NDF: 39.1/28

All: -157.591+/-103.486 χ^2/NDF: 64.9/58

- sign -80.169+/-119.020 χ^2/NDF: 24.0/29

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1020.901+/-0.232 χ^2/NDF:1128846.2/12

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

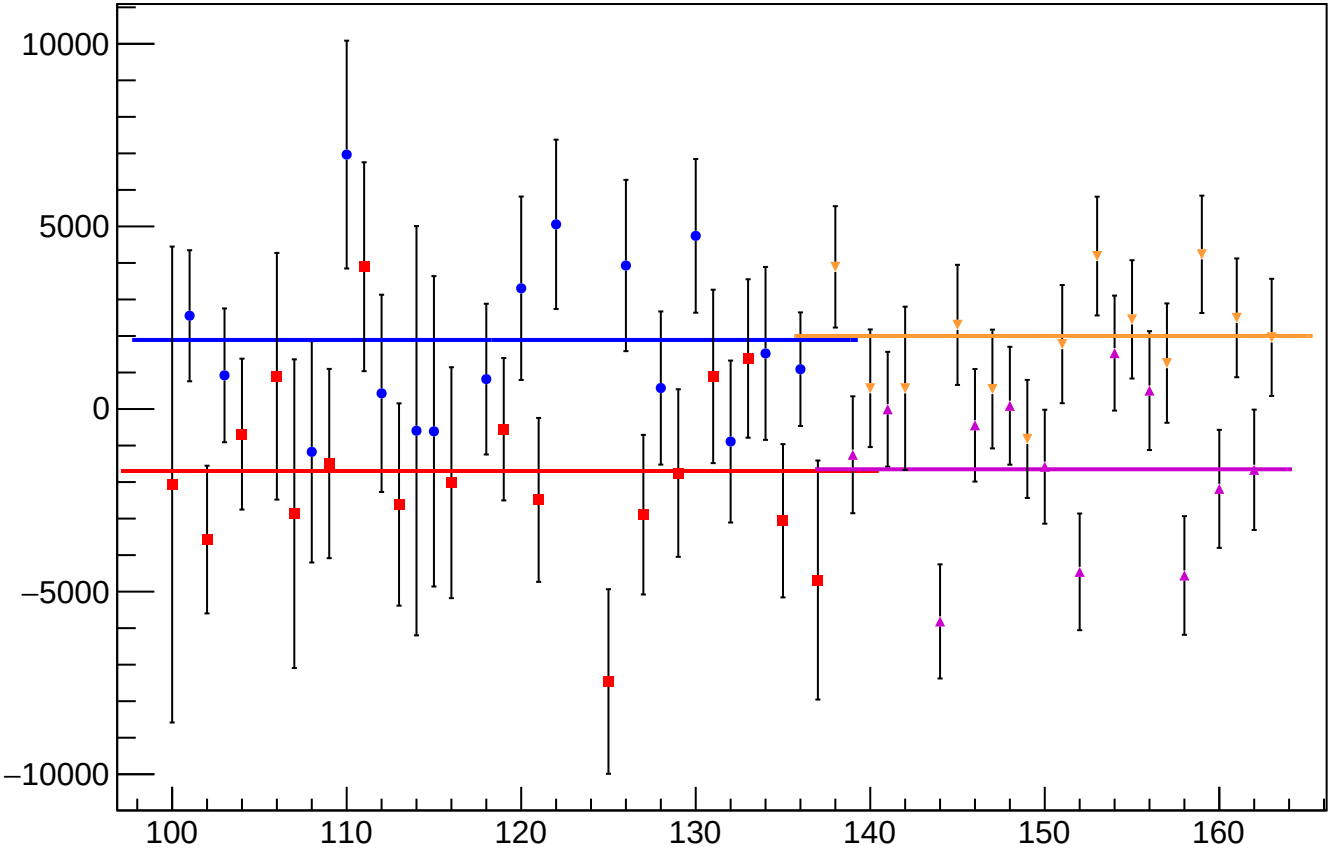
Left In: 1025.199+/-0.232 χ^2/NDF:996609.7/11

+ sign 802.105+/-0.148 χ^2/NDF: 5392808.5/28

All: 412.358+/-0.073 χ^2/NDF: 36951781.9/58

- sign 286.567+/-0.084 χ^2/NDF: 22403103.7/29

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

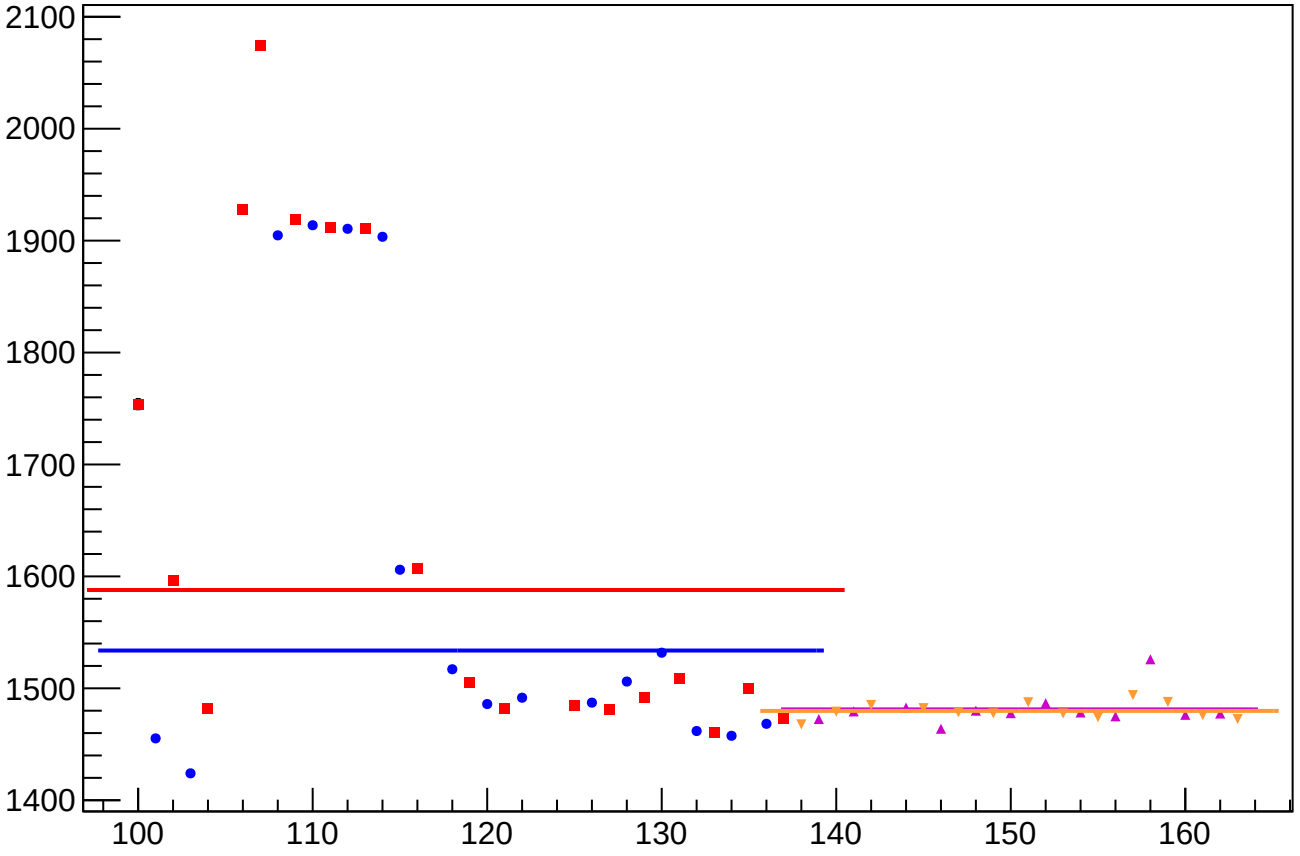
Left In: -1649.640+/-460.115 χ^2/NDF:22.3/11

+ sign 1958.619+/-357.996 χ^2/NDF: 22.8/28

All: 169.482+/-254.808 χ^2/NDF: 111.8/58

- sign -1667.557+/-362.757 χ^2/NDF: 38.4/29

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

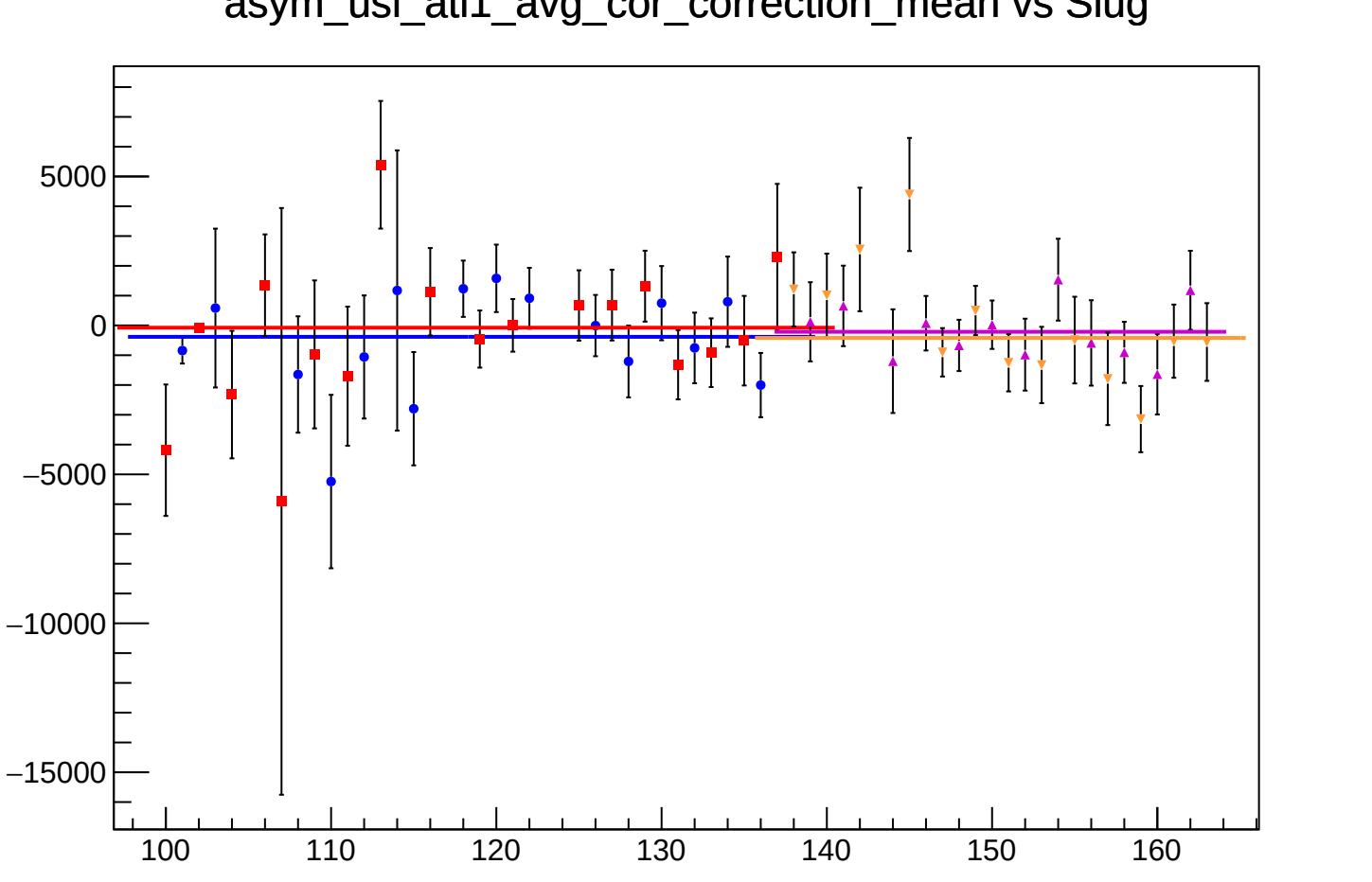
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

+ sign 1500.934+/-0.253 χ^2/NDF: 140543.0/28

All: 1511.101+/-0.180 χ^2/NDF: 360190.8/58

- sign 1521.539+/-0.257 χ^2/NDF: 216378.9/29



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

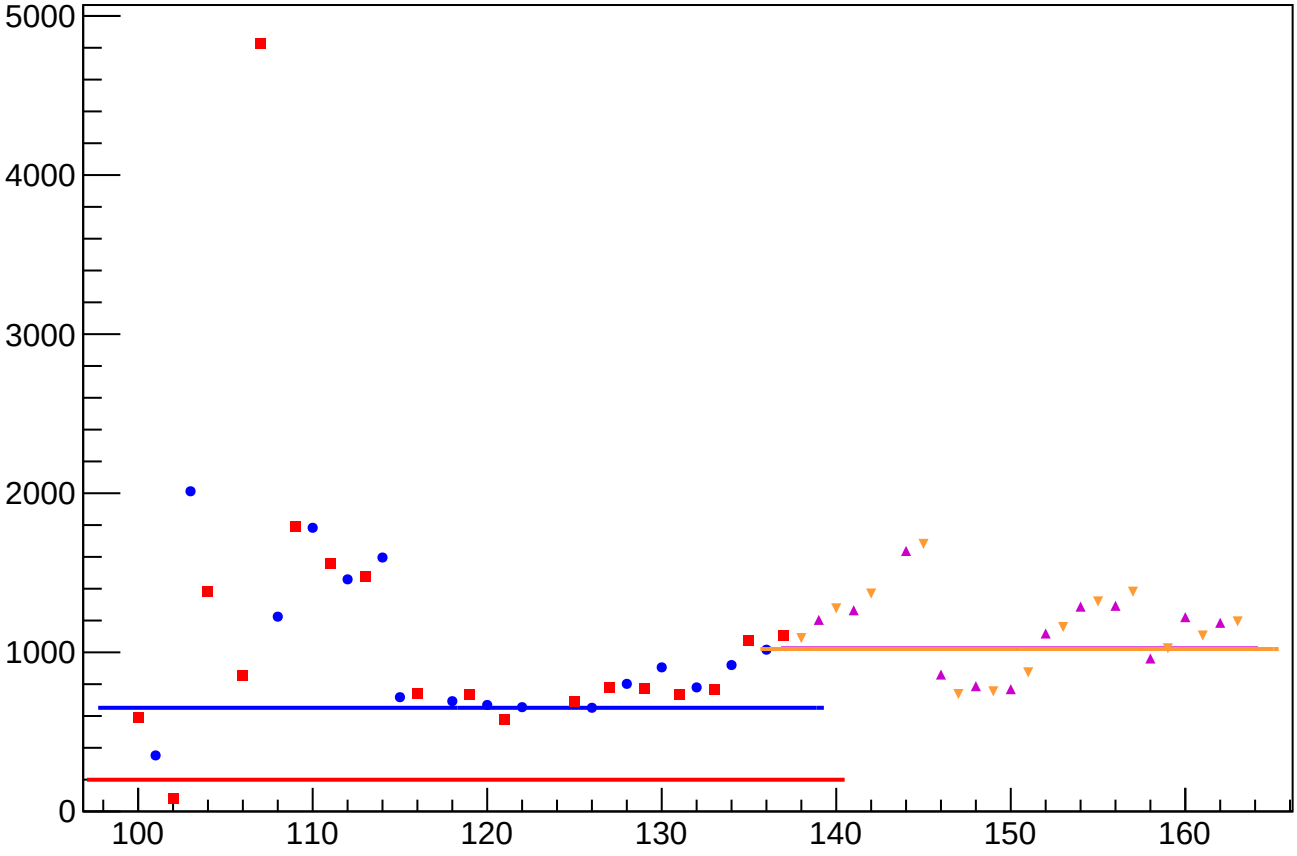
Left In: -213.856+/-328.428 χ^2/NDF:6.0/11

+ sign -397.487+/-209.502 χ^2/NDF: 39.1/28

All: -178.323+/-108.811 χ^2/NDF: 65.3/58

- sign -97.362+/-127.333 χ^2/NDF: 24.6/29

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

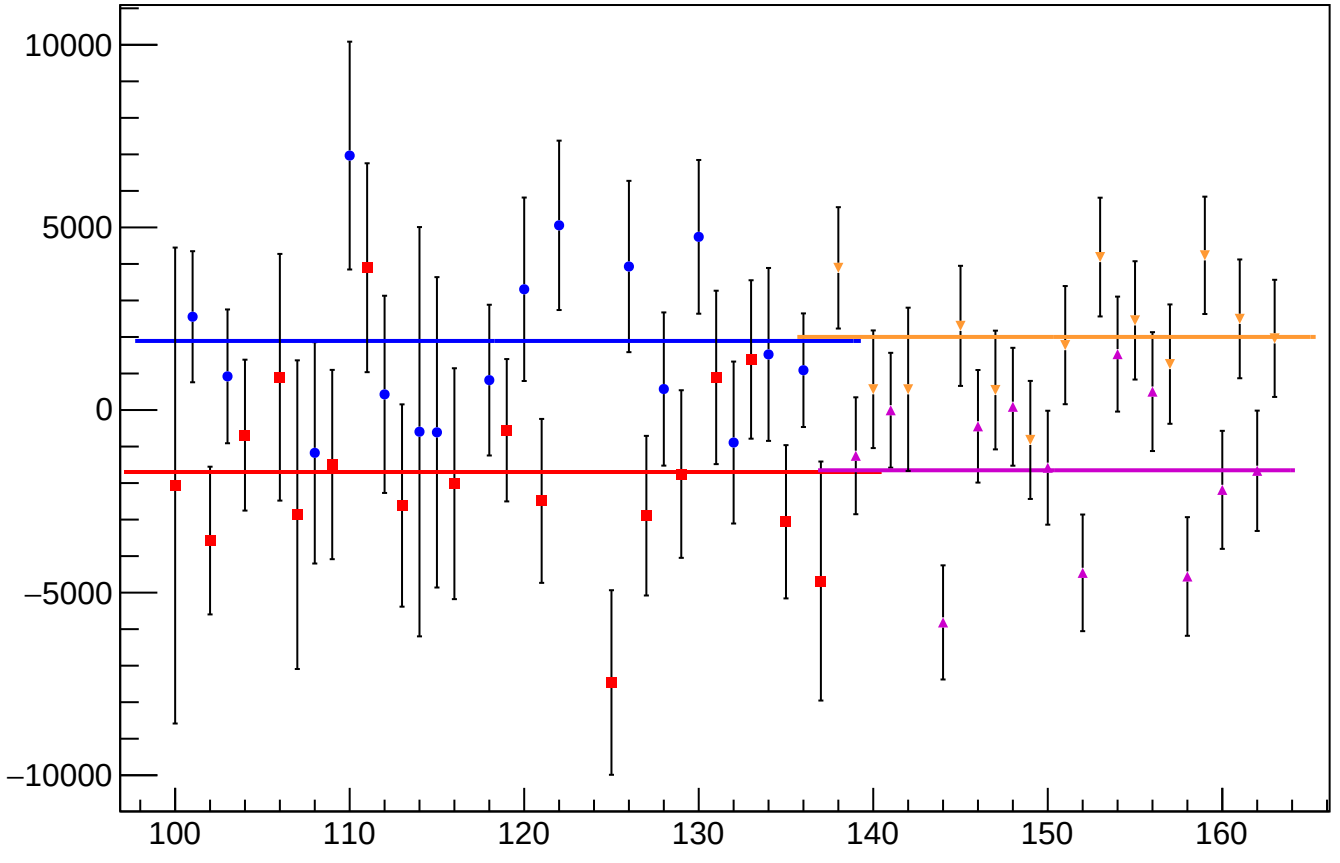
Left In: 1025.198+/-0.232 χ^2/NDF:996687.1/11

+ sign 802.107+/-0.148 χ^2/NDF: 5392914.2/28

All: 452.593+/-0.077 χ^2/NDF: 34042377.4/58

- sign 323.481+/-0.090 χ^2/NDF: 21026677.0/29

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

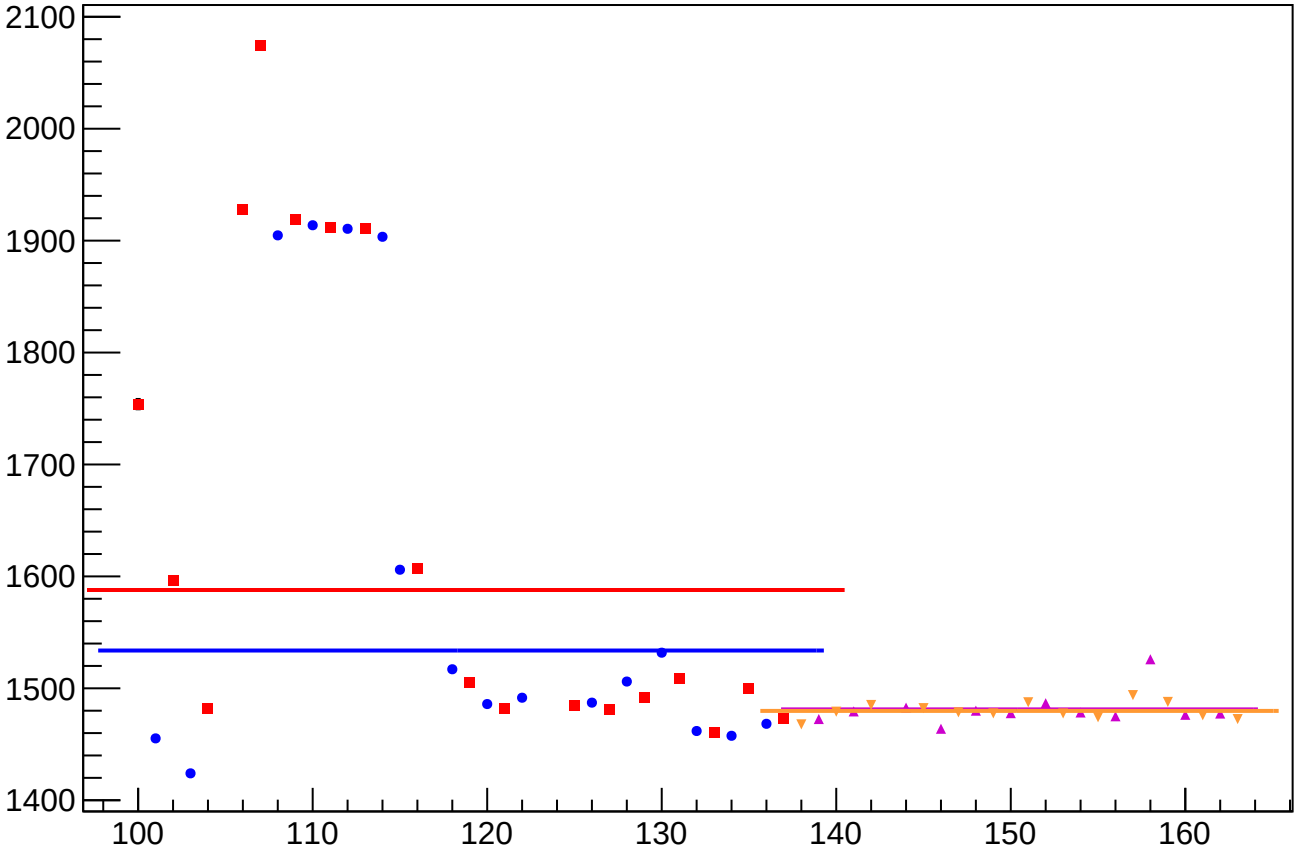
Left In: -1649.640+/-460.115 χ^2/NDF:22.3/11

+ sign 1958.619+/-357.996 χ^2/NDF: 22.8/28

All: 169.482+/-254.808 χ^2/NDF: 111.8/58

- sign -1667.557+/-362.757 χ^2/NDF: 38.4/29

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

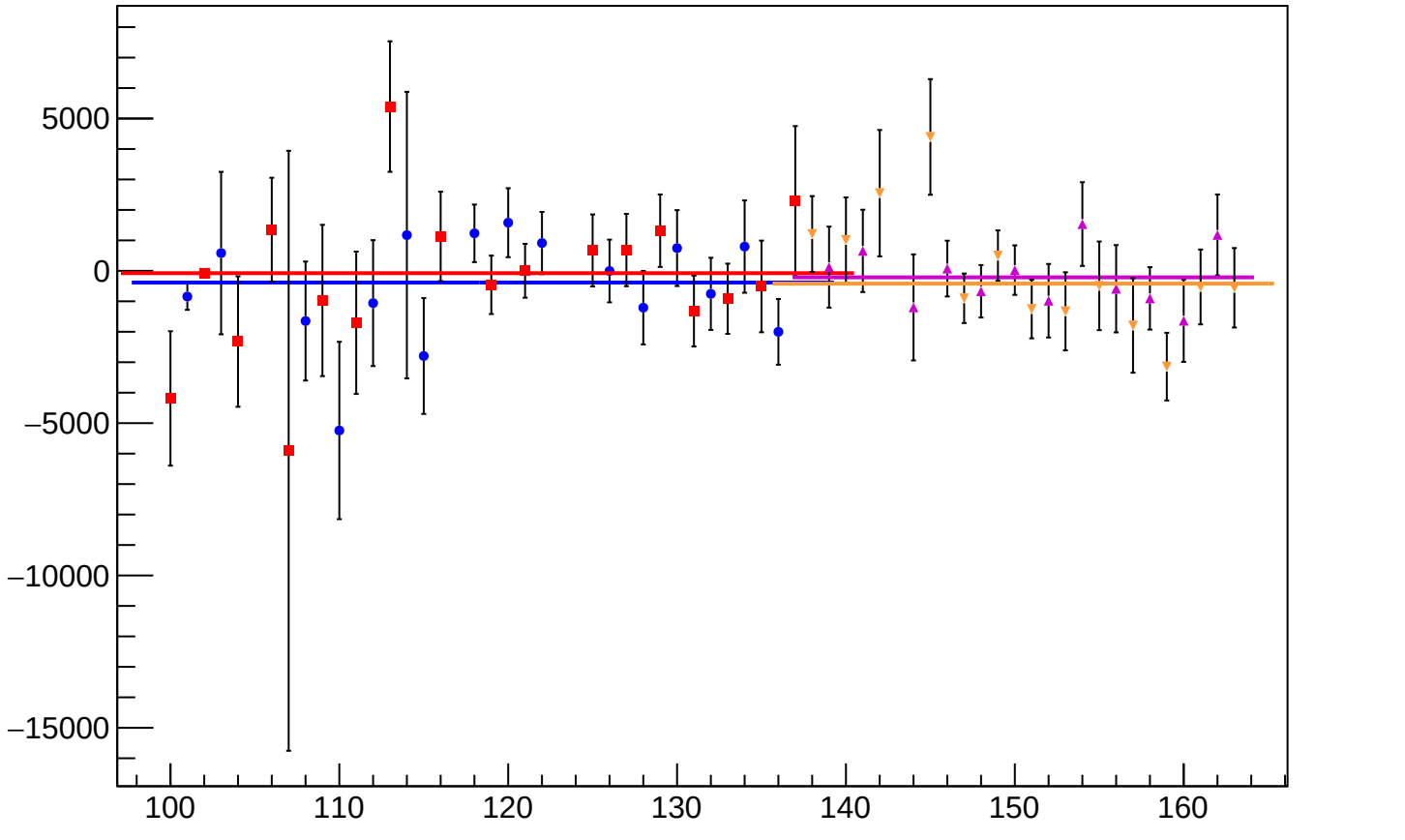
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

\+ sign 1500.934+/-0.253 χ^2/NDF: 140543.0/28

All: 1511.101+/-0.180 χ^2/NDF: 360190.8/58

\- sign 1521.539+/-0.257 χ^2/NDF: 216378.9/29



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

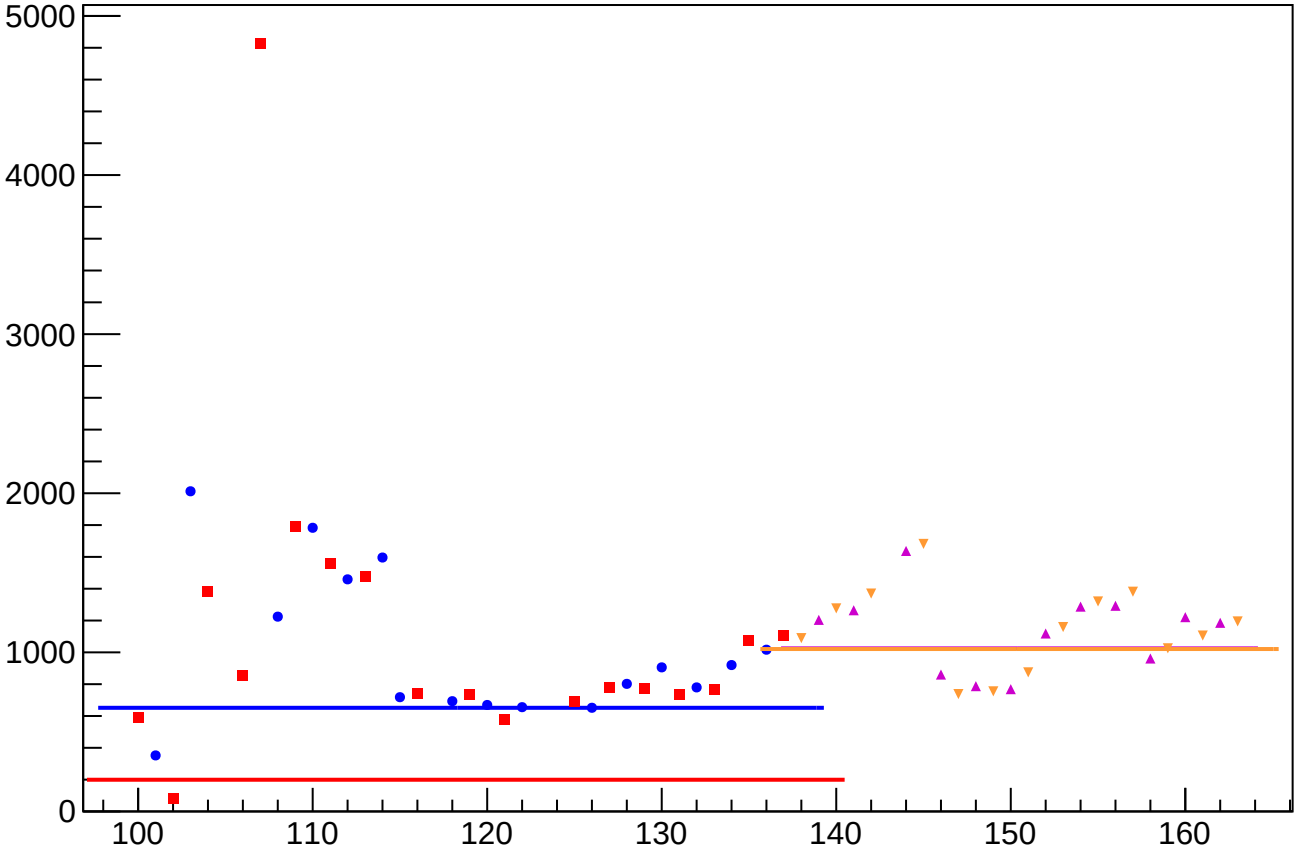
Left In: -213.856+/-328.428 χ^2/NDF:6.0/11

+ sign -397.487+/-209.502 χ^2/NDF: 39.1/28

All: -178.323+/-108.811 χ^2/NDF: 65.3/58

- sign -97.362+/-127.333 χ^2/NDF: 24.6/29

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

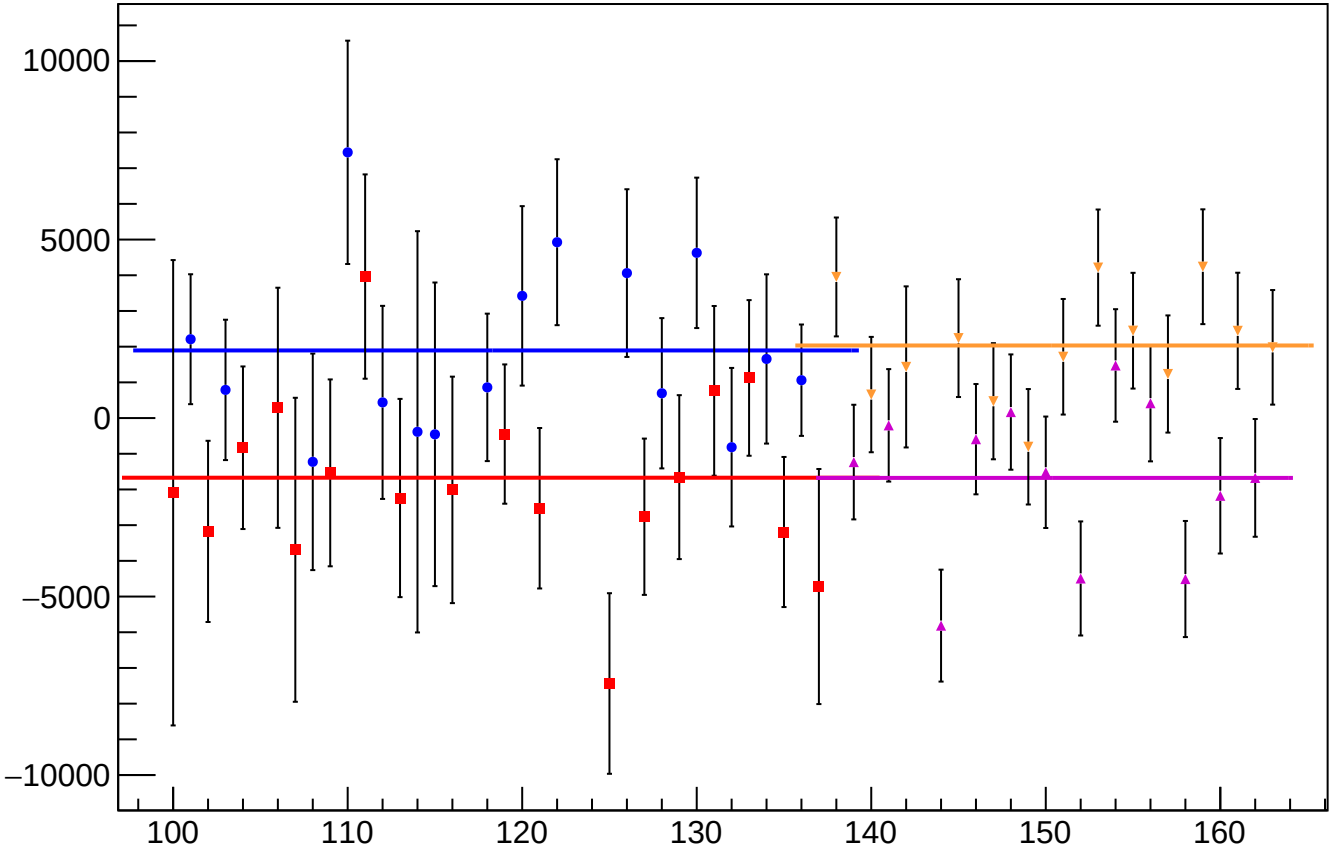
Left In: 1025.198+/-0.232 χ^2/NDF:996687.1/11

+ sign 802.107+/-0.148 χ^2/NDF: 5392914.2/28

All: 452.593+/-0.077 χ^2/NDF: 34042377.4/58

- sign 323.481+/-0.090 χ^2/NDF: 21026677.0/29

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2033.222+/-459.752 χ^2/NDF:10.2/12

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

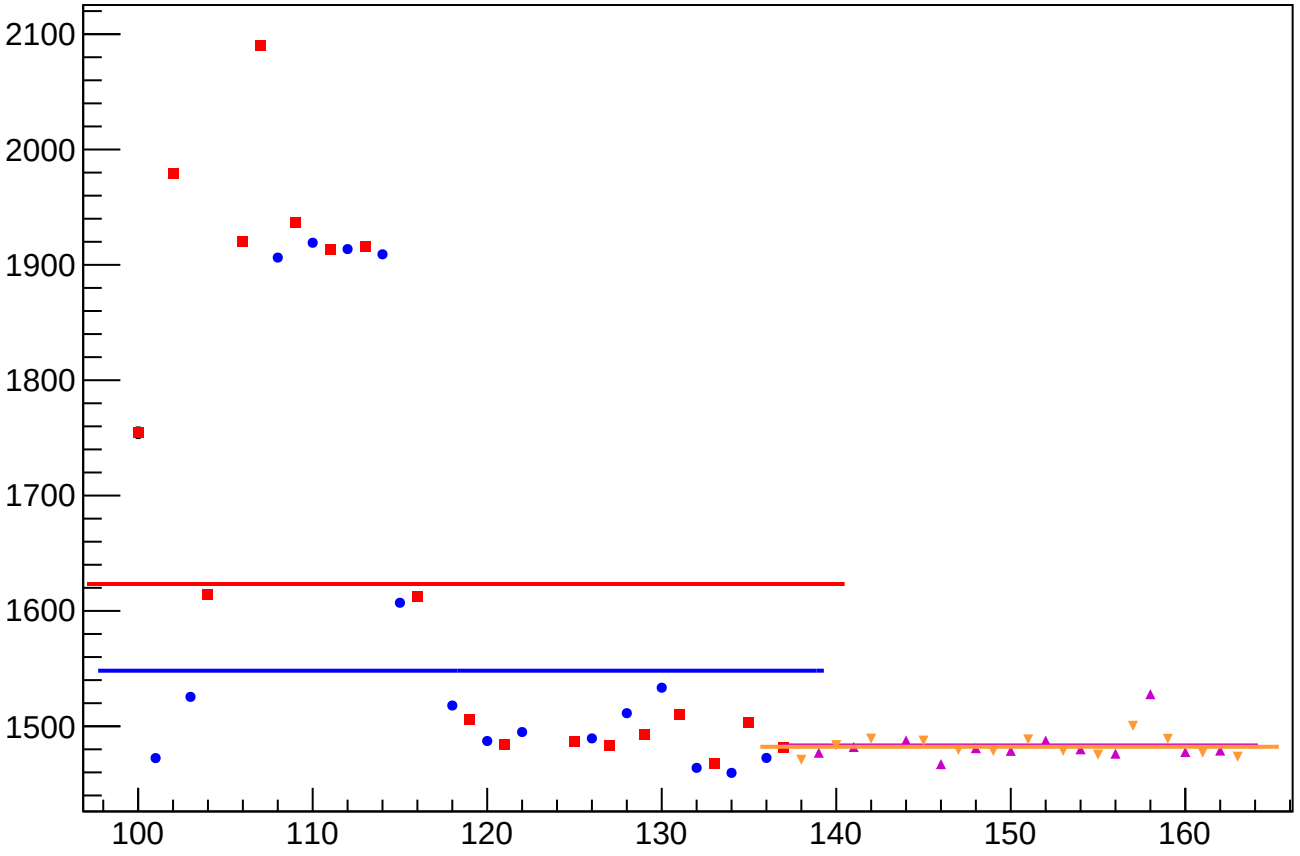
Left In: -1676.319+/-460.799 χ^2/NDF:21.6/11

+ sign 1979.296+/-359.720 χ^2/NDF: 22.5/28

All: 186.802+/-256.739 χ^2/NDF: 109.8/58

- sign -1674.341+/-366.543 χ^2/NDF: 36.6/29

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

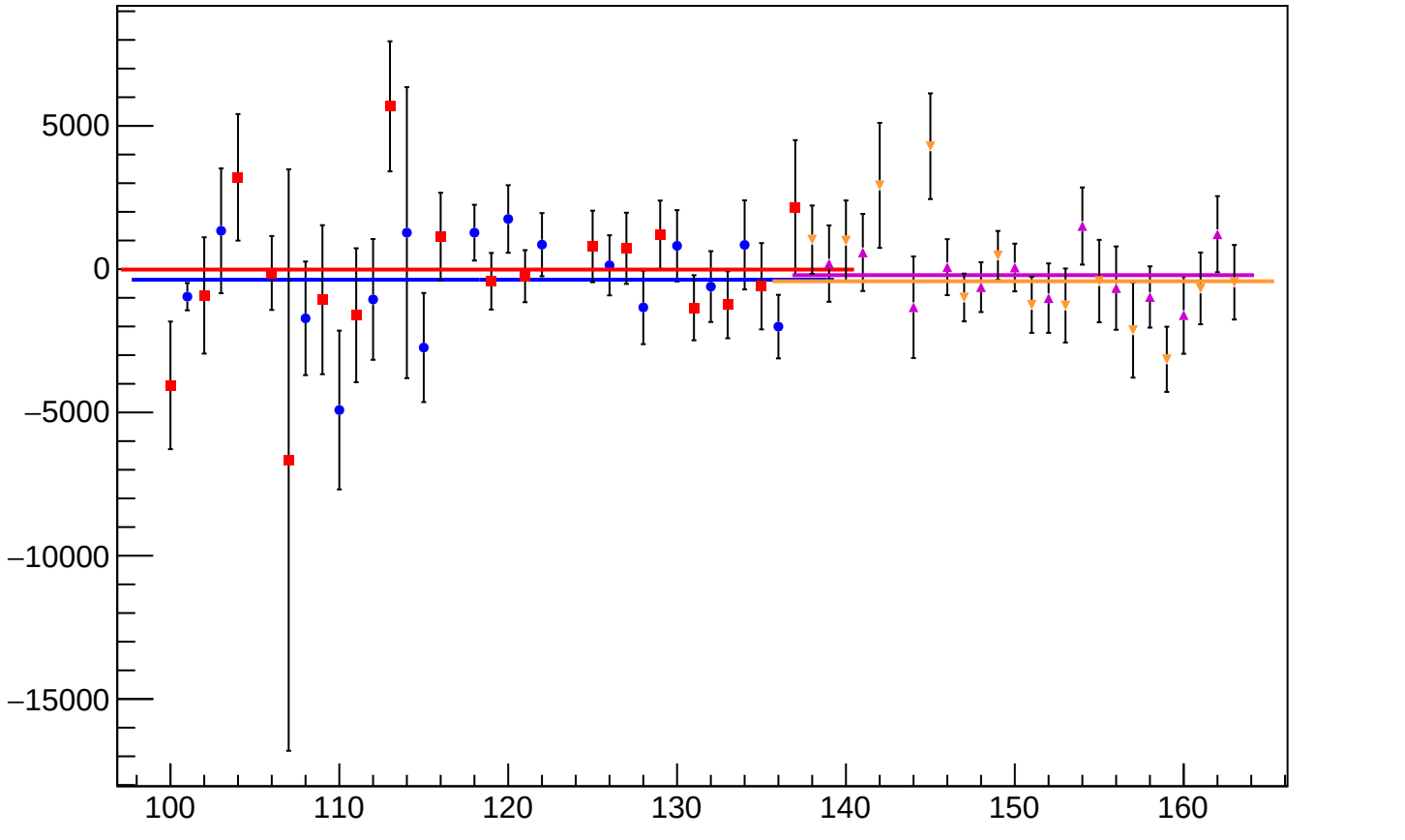
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.352+/-0.326 χ^2/NDF:1884.0/11

+ sign 1507.792+/-0.254 χ^2/NDF: 136456.5/28

All: 1521.023+/-0.182 χ^2/NDF: 423169.8/58

- sign 1534.760+/-0.259 χ^2/NDF: 281198.4/29



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -421.625+/-332.767 χ^2/NDF:21.0/12

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

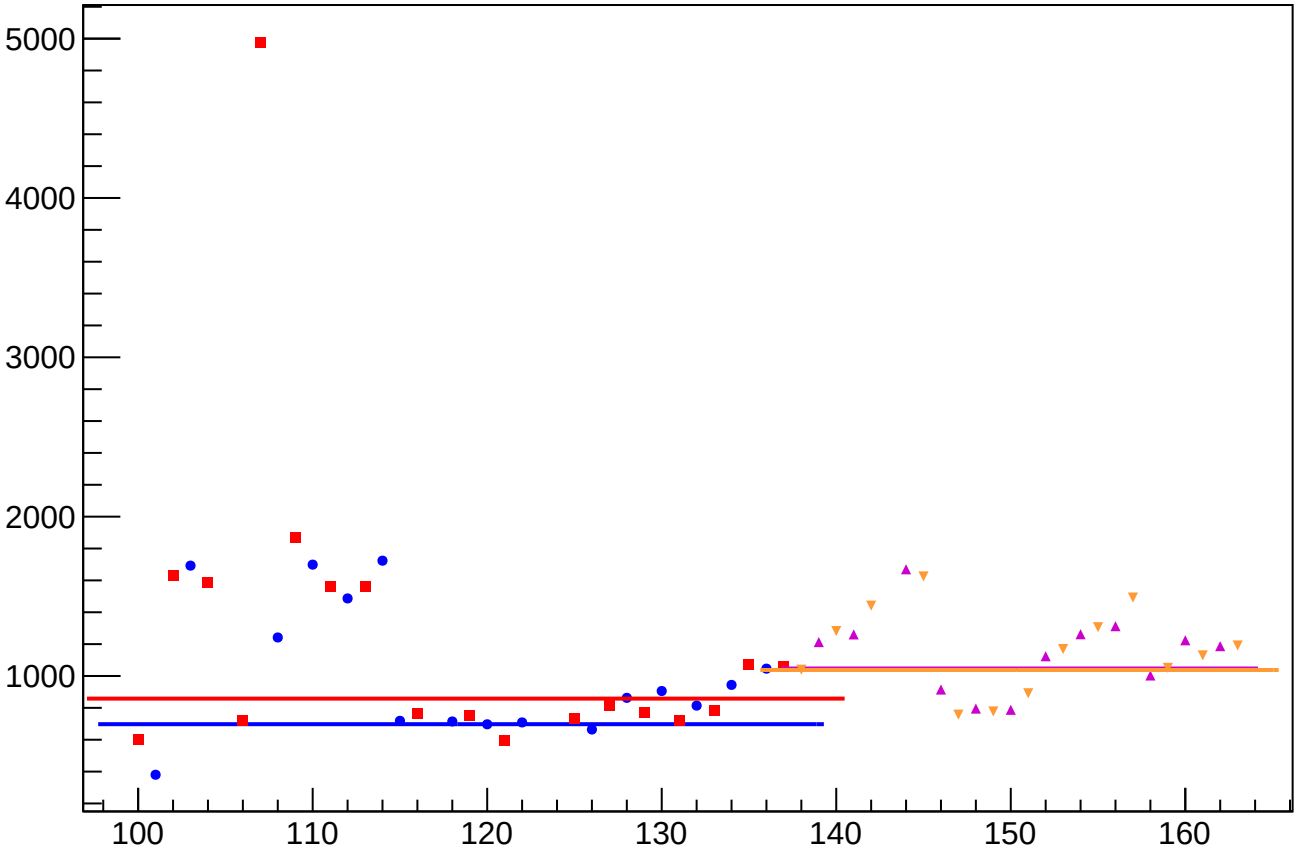
Left In: -209.467+/-334.311 χ^2/NDF:6.1/11

+ sign -391.242+/-217.150 χ^2/NDF: 39.9/28

All: -265.688+/-160.694 χ^2/NDF: 66.0/58

- sign -113.700+/-238.918 χ^2/NDF: 25.4/29

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1037.722+/-0.235 χ^2/NDF:1070089.5/12

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

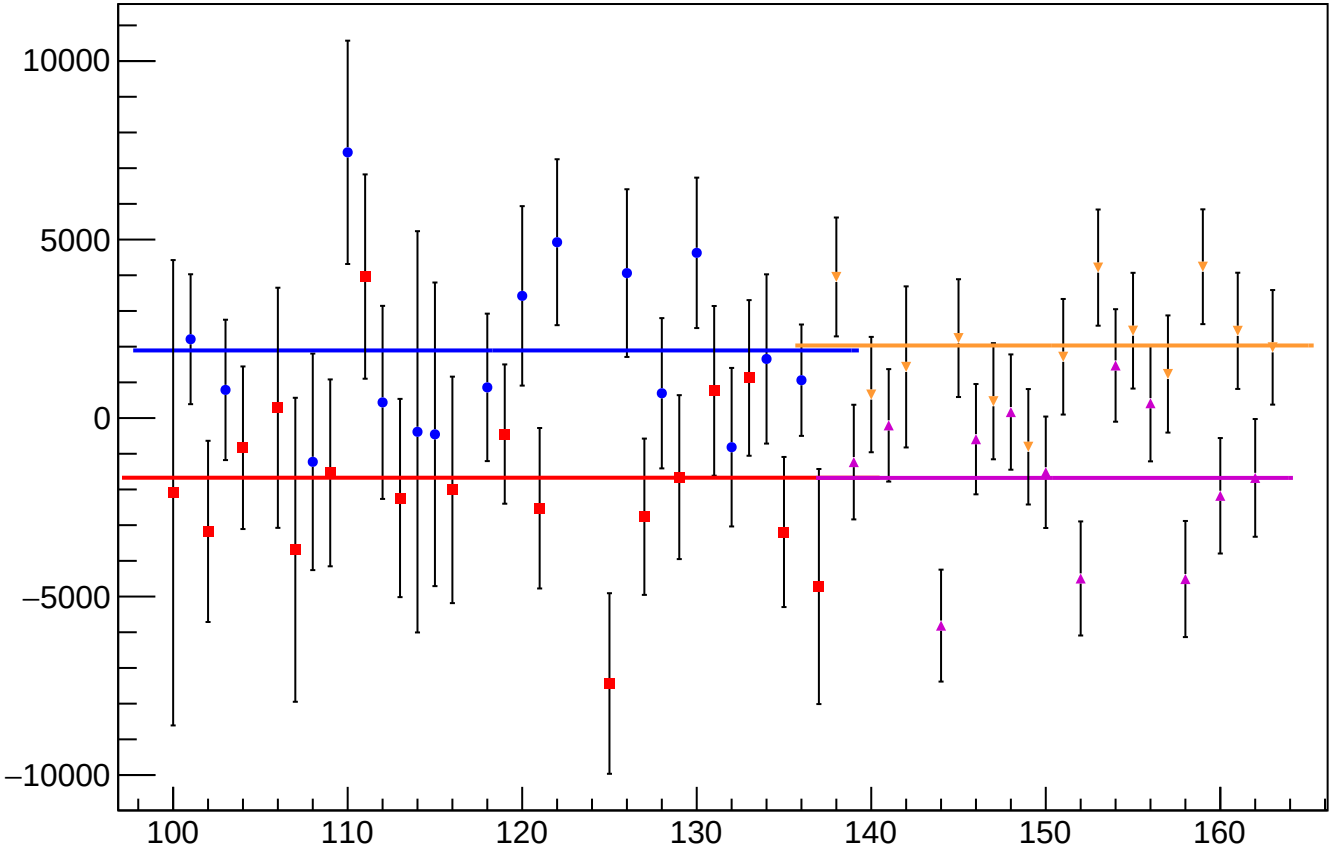
Left In: 1046.968+/-0.236 χ^2/NDF:912558.6/11

+ sign 842.387+/-0.154 χ^2/NDF: 4705936.9/28

All: 893.132+/-0.114 χ^2/NDF: 8054412.5/58

- sign 954.560+/-0.169 χ^2/NDF: 3107050.1/29

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2033.220+/-459.752 χ^2/NDF:10.2/12

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

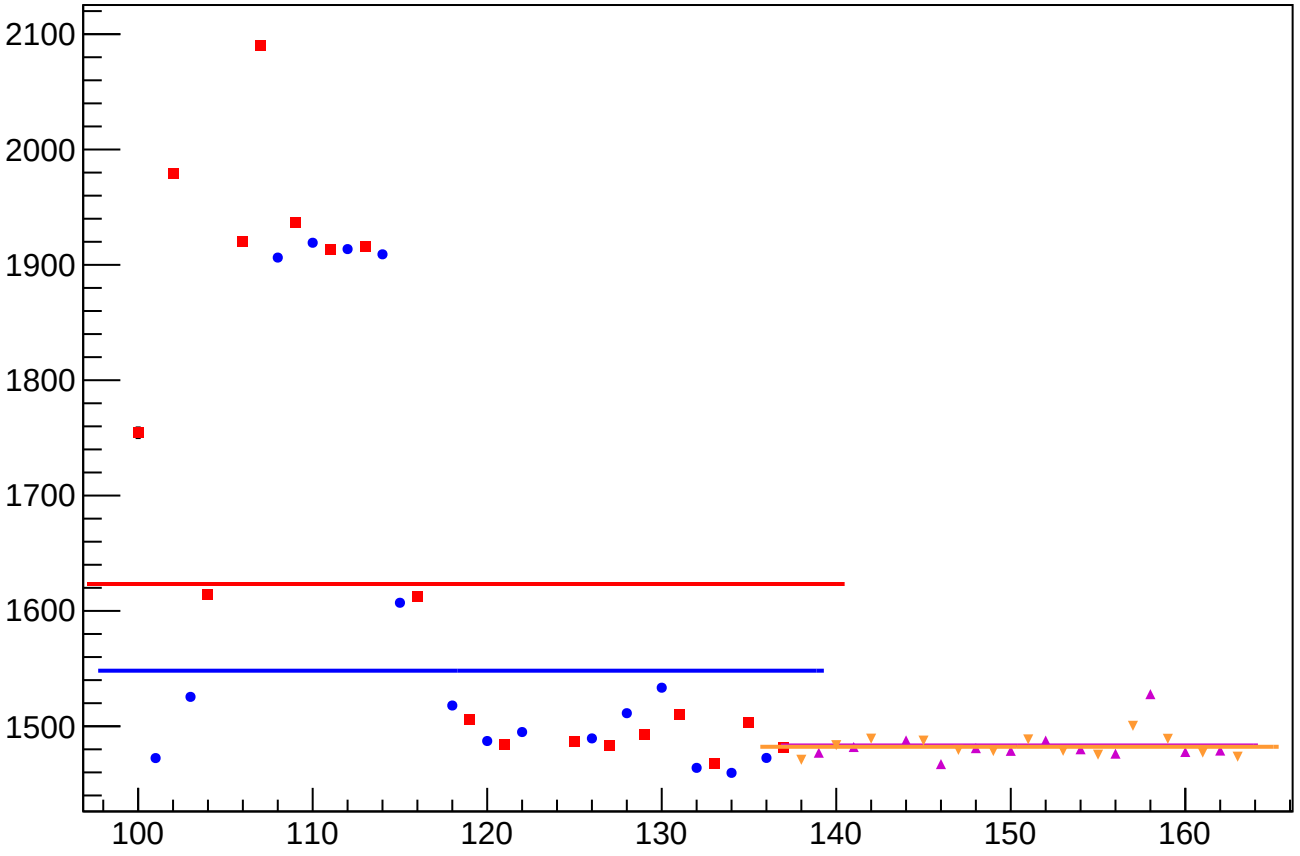
Left In: -1676.320+/-460.799 χ^2/NDF:21.6/11

+ sign 1979.293+/-359.720 χ^2/NDF: 22.5/28

All: 186.801+/-256.739 χ^2/NDF: 109.8/58

- sign -1674.341+/-366.543 χ^2/NDF: 36.6/29

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

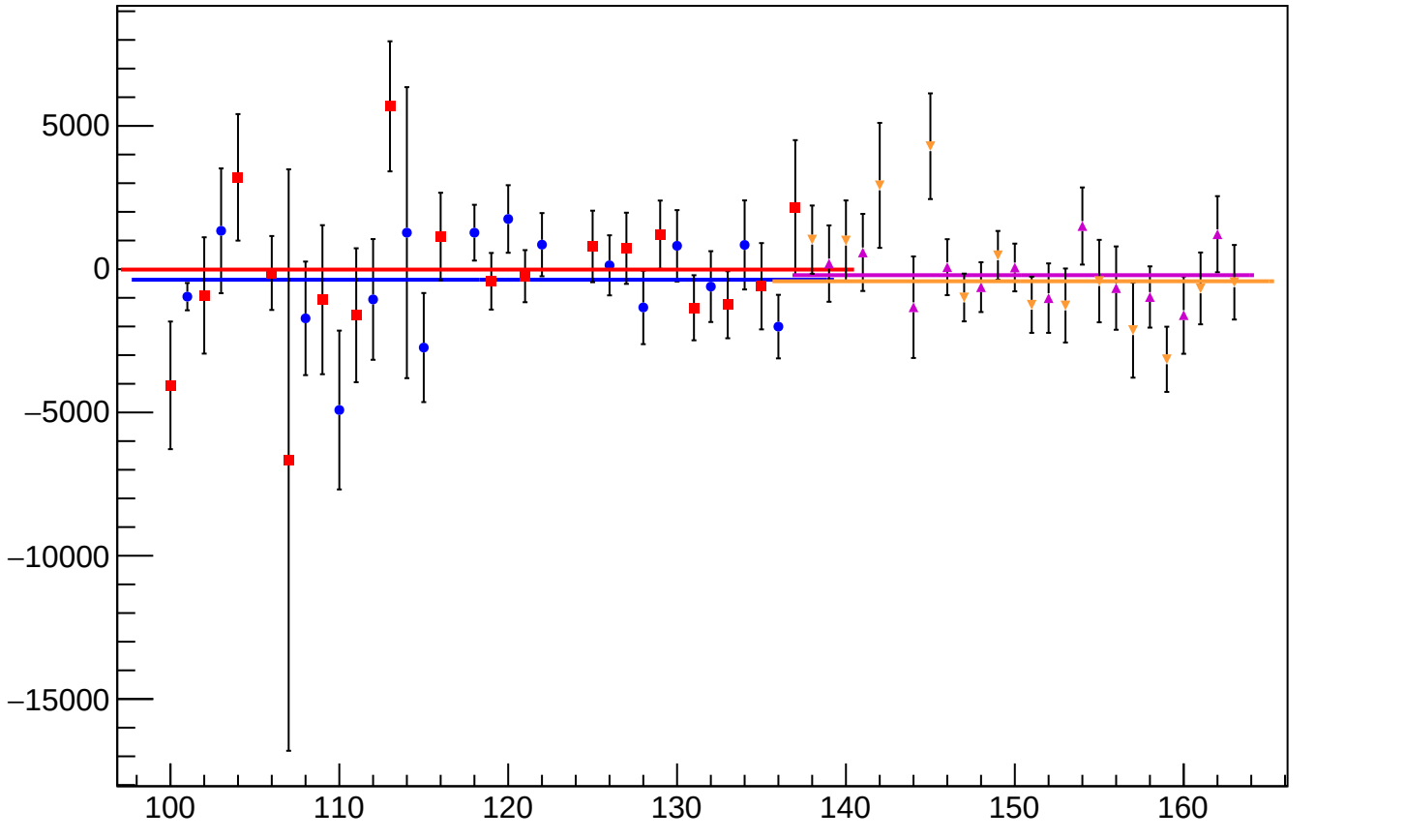
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.352+/-0.326 χ^2/NDF:1884.0/11

+ sign 1507.792+/-0.254 χ^2/NDF: 136456.5/28

All: 1521.023+/-0.182 χ^2/NDF: 423169.3/58

- sign 1534.760+/-0.259 χ^2/NDF: 281198.0/29



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -421.628+/-332.767 χ^2/NDF:21.0/12

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

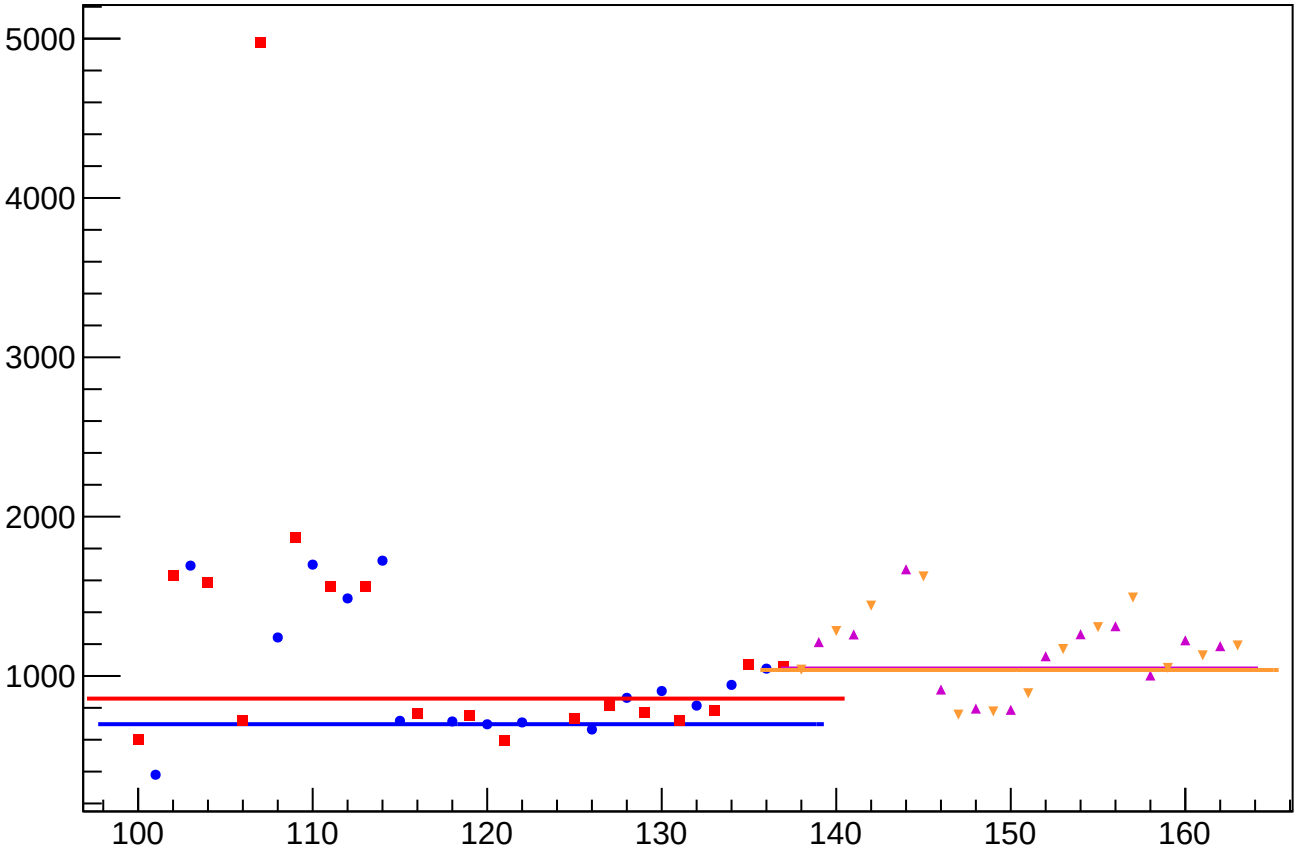
Left In: -209.468+/-334.312 χ^2/NDF:6.1/11

\+ sign -391.243+/-217.150 χ^2/NDF: 39.9/28

All: -265.689+/-160.694 χ^2/NDF: 66.0/58

\- sign -113.700+/-238.918 χ^2/NDF: 25.4/29

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1037.723+/-0.235 χ^2/NDF:1070087.0/12

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

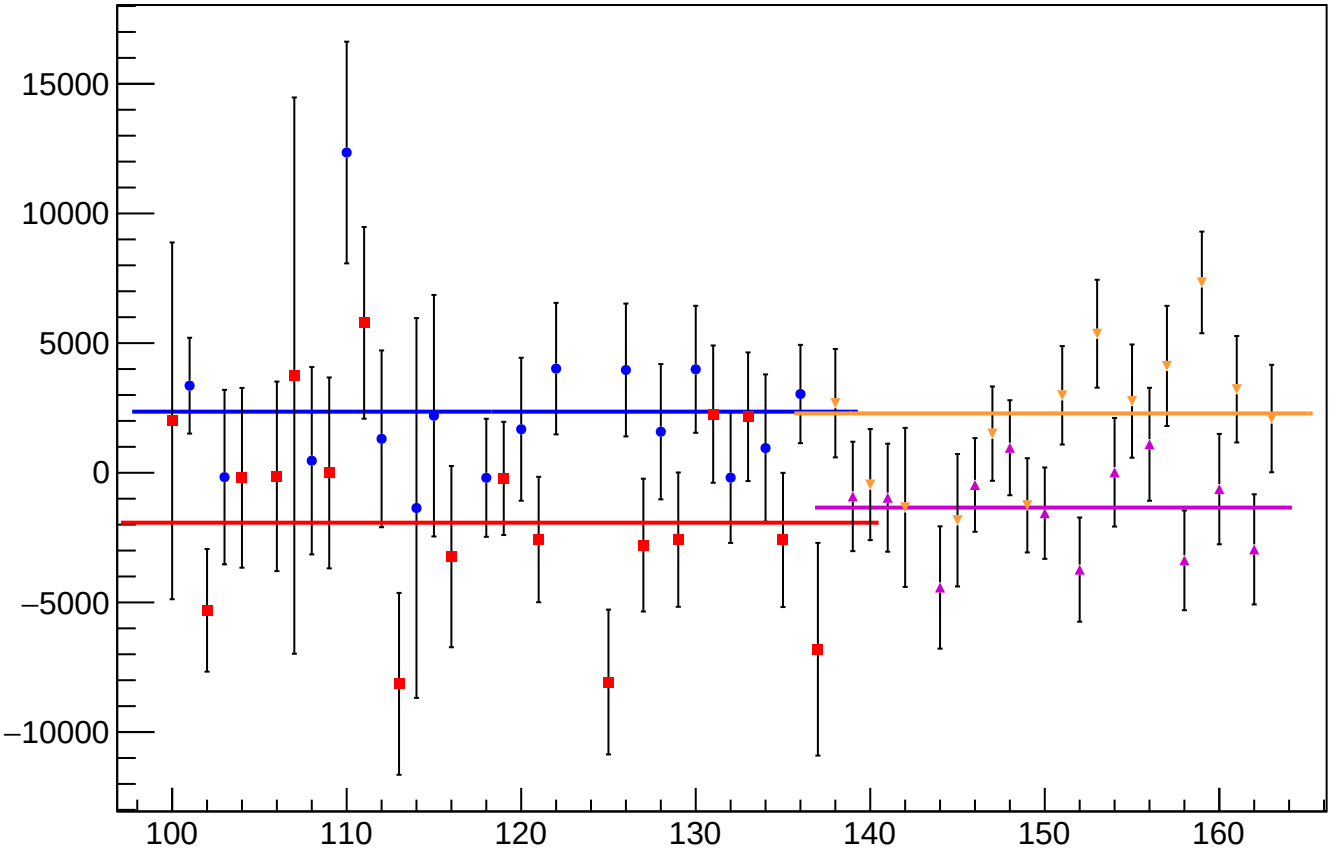
Left In: 1046.970+/-0.236 χ^2/NDF:912555.1/11

+ sign 842.388+/-0.154 χ^2/NDF: 4705937.0/28

All: 893.132+/-0.114 χ^2/NDF: 8054427.2/58

- sign 954.559+/-0.169 χ^2/NDF: 3107067.4/29

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2289.343+/-582.543 χ^2/NDF:19.5/12

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

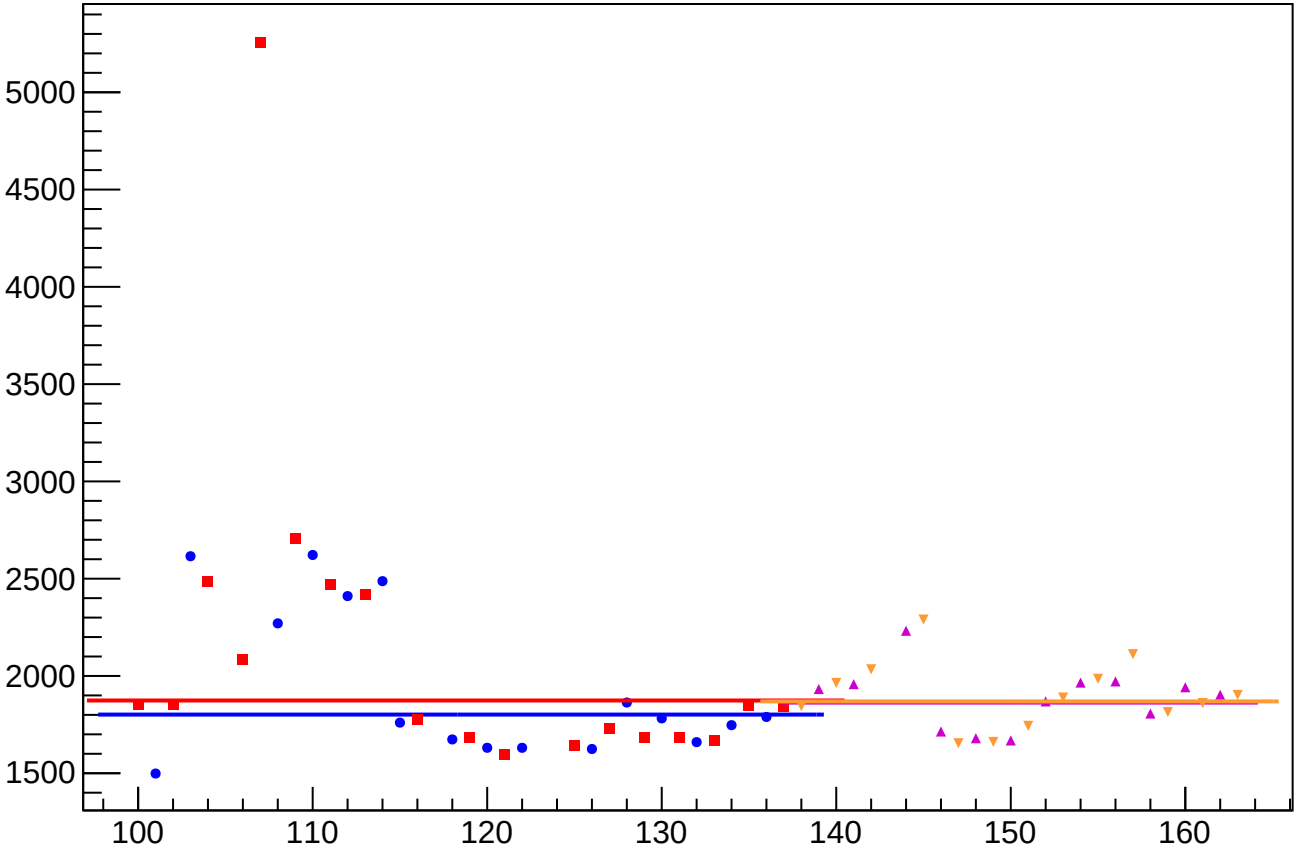
Left In: -1342.841+/-581.181 χ^2/NDF:8.5/11

+ sign 2318.030+/-442.109 χ^2/NDF: 30.5/28

All: 399.948+/-314.996 χ^2/NDF: 101.1/58

- sign -1577.602+/-448.911 χ^2/NDF: 32.4/29

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1869.221+/-0.412 χ^2/NDF:157135.5/12

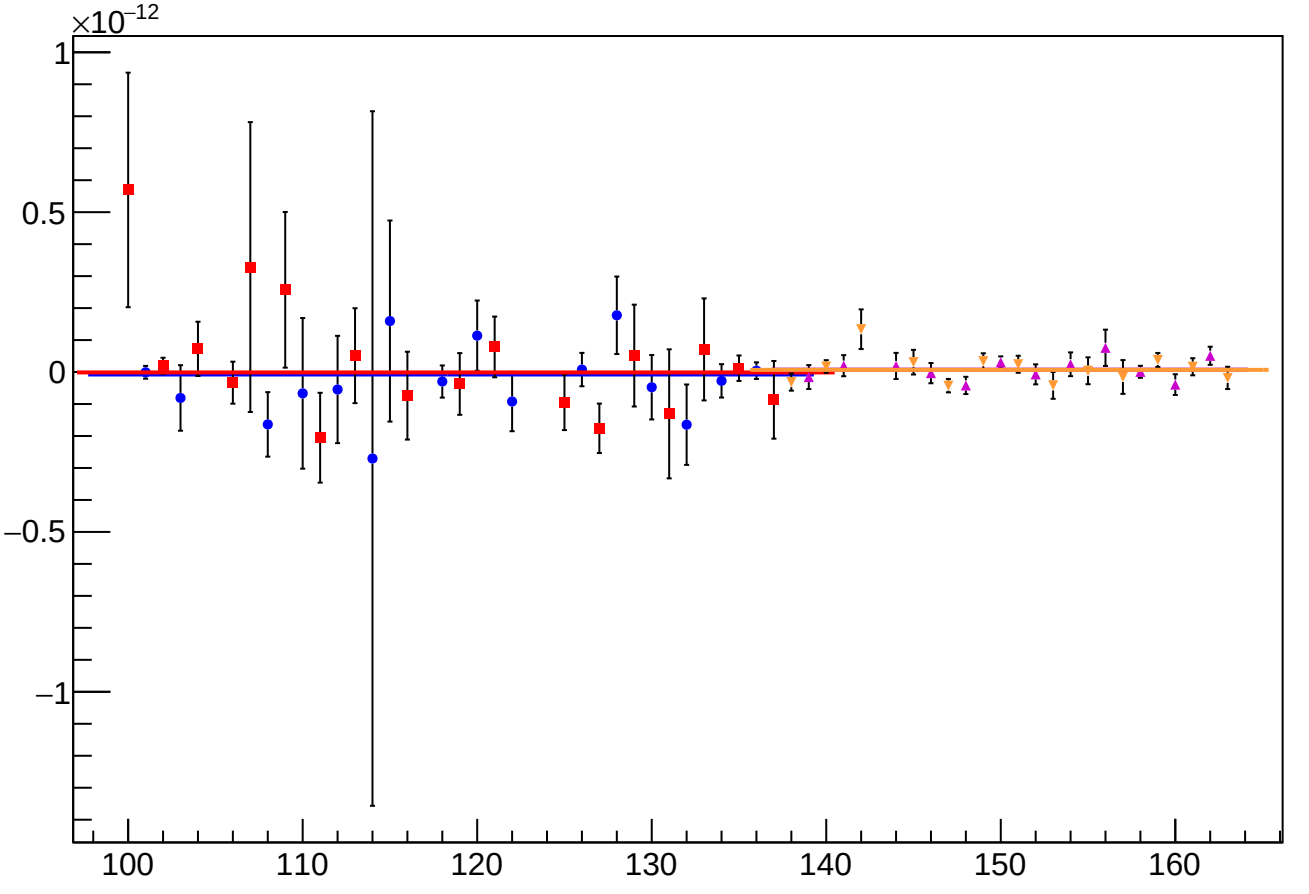
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1863.160+/-0.411 χ^2/NDF:128278.2/11

+ sign 1840.518+/-0.313 χ^2/NDF: 569289.0/28

All: 1853.814+/-0.223 χ^2/NDF: 1271429.8/58

- sign 1867.523+/-0.317 χ^2/NDF: 698466.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/12

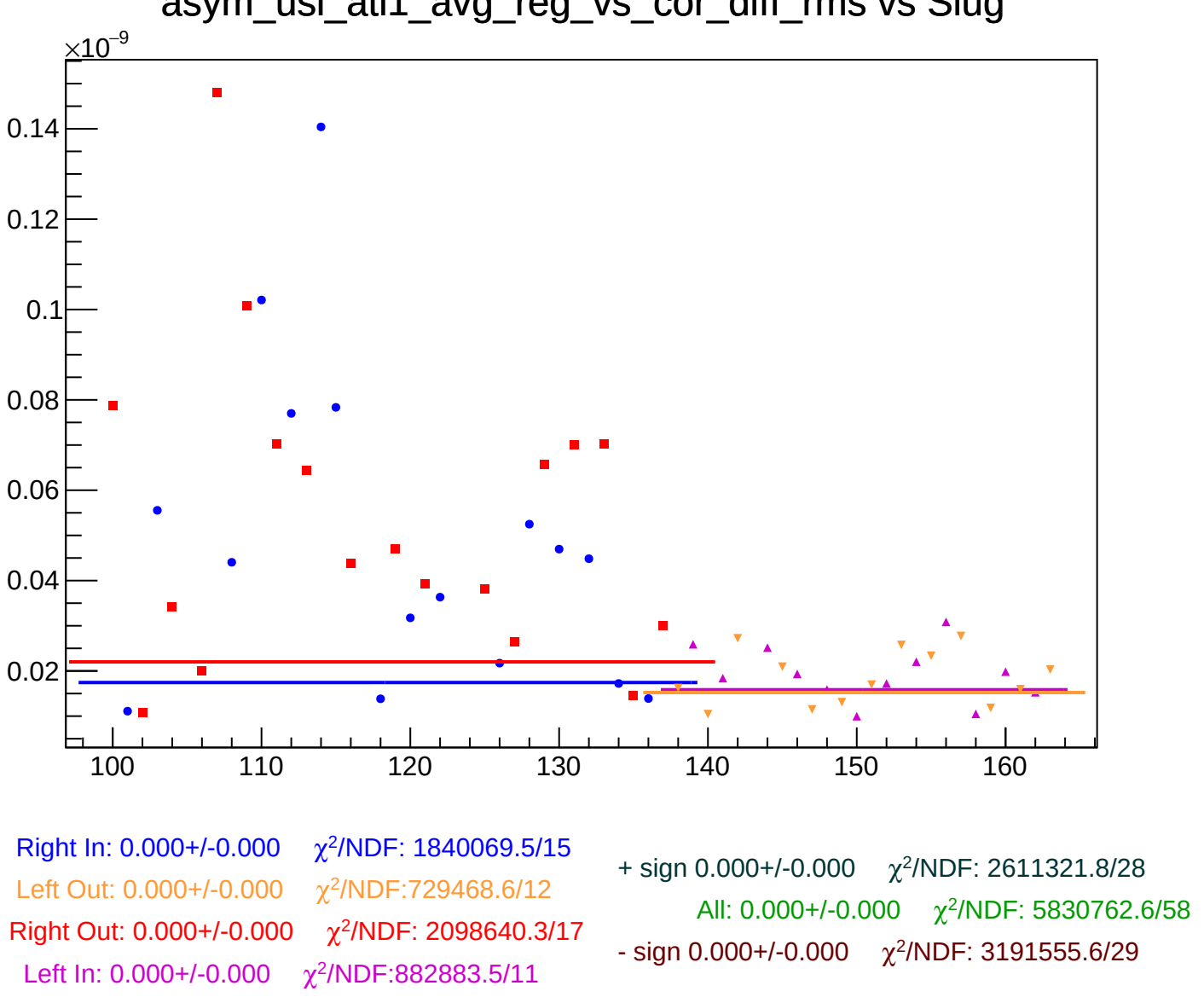
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

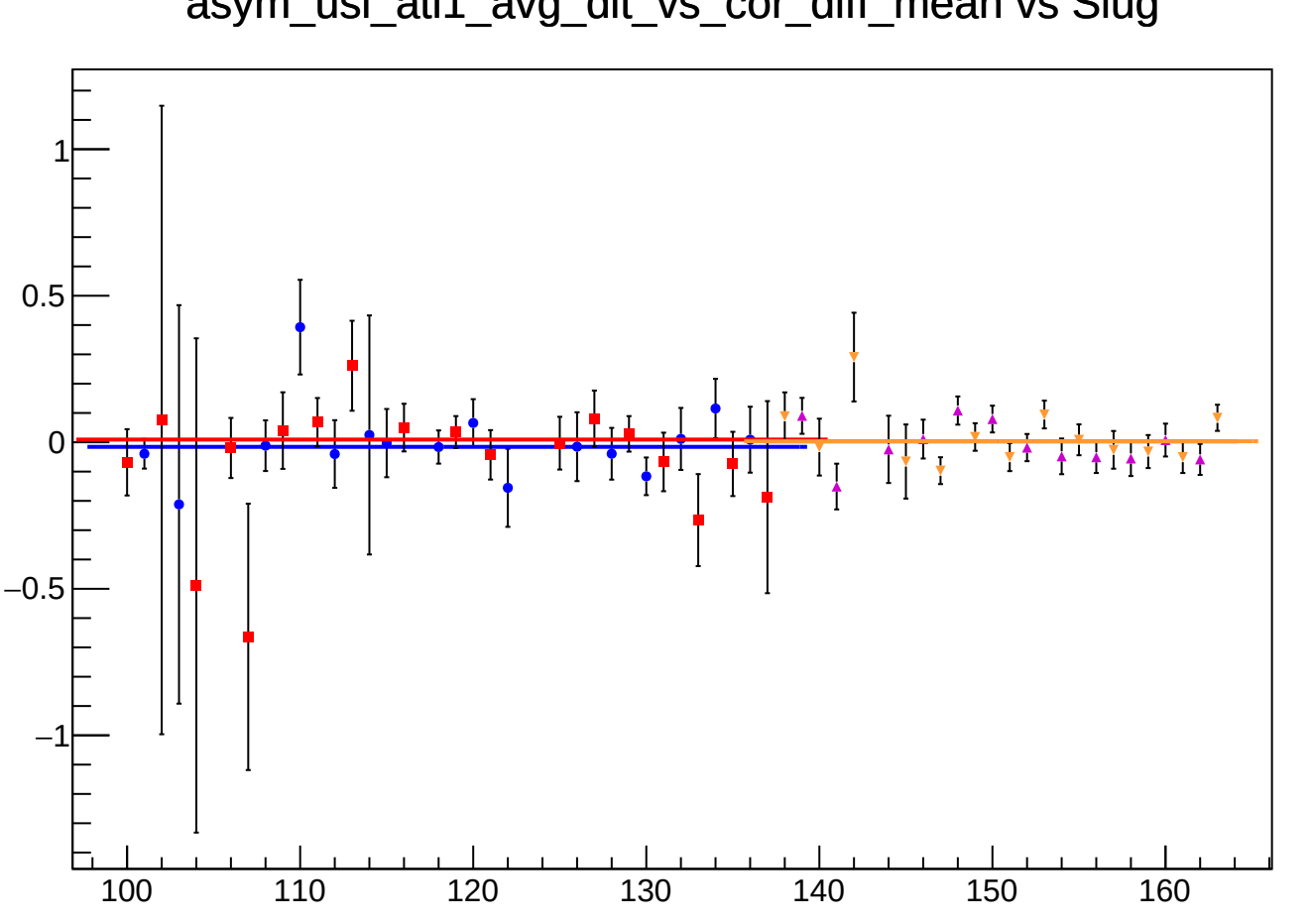
Left In: 0.000+/-0.000 χ^2/NDF:12.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/28

All: 0.000+/-0.000 χ^2/NDF: 58.4/58

- sign 0.000+/-0.000 χ^2/NDF: 29.0/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:729468.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:882883.5/11
+ sign 0.000+/-0.000 χ²/NDF: 2611321.8/28
All: 0.000+/-0.000 χ²/NDF: 5830762.6/58
- sign 0.000+/-0.000 χ²/NDF: 3191555.6/29



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

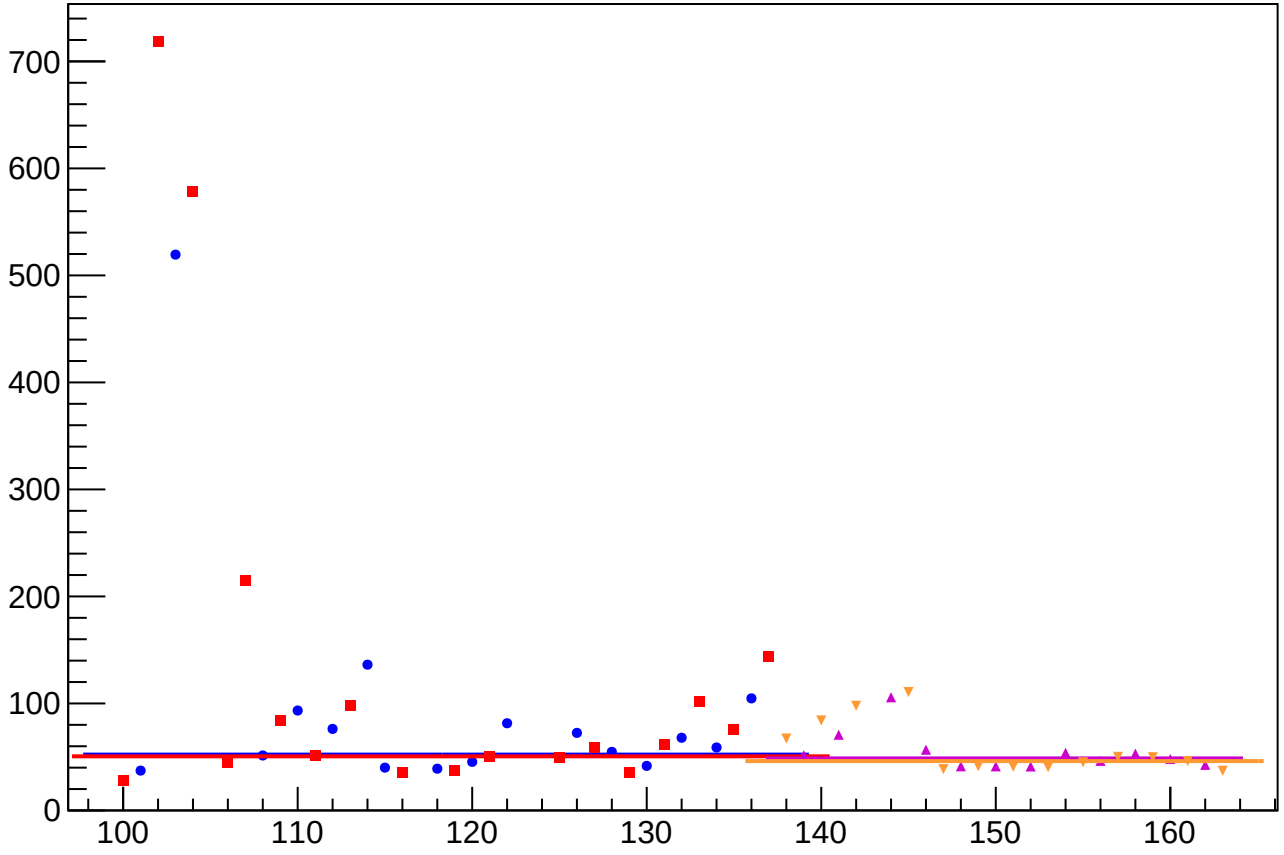
Left In: 0.003+/-0.016 χ^2/NDF:17.8/11

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.001+/-0.009 χ^2/NDF: 63.9/58

- sign 0.005+/-0.014 χ^2/NDF: 30.3/29

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: 46.125+/-0.011 χ^2/NDF:1422059.8/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

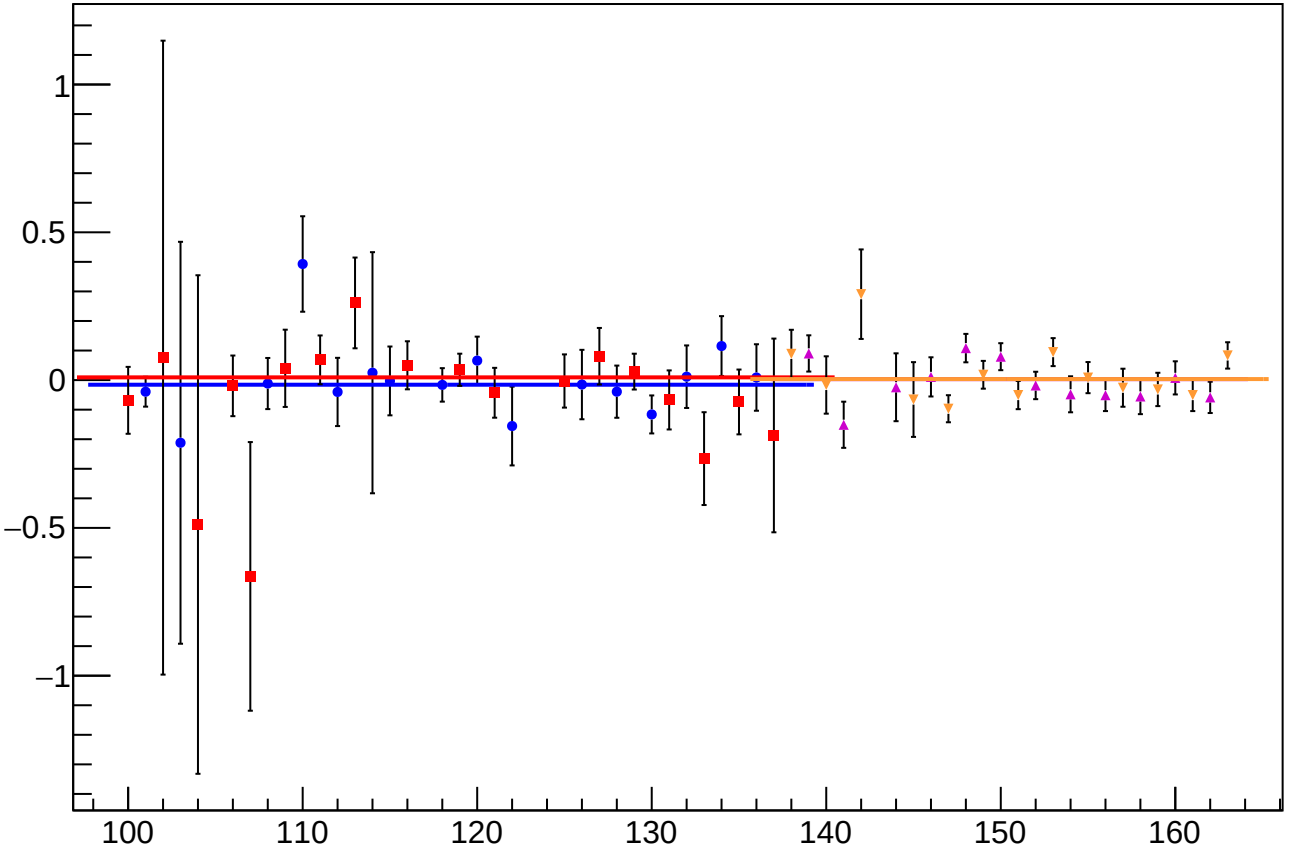
Left In: 48.628+/-0.012 χ^2/NDF:898270.1/11

+ sign 48.134+/-0.009 χ^2/NDF: 3784985.9/28

All: 48.681+/-0.007 χ^2/NDF: 7751164.0/58

- sign 49.269+/-0.010 χ^2/NDF: 3958869.2/29

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: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

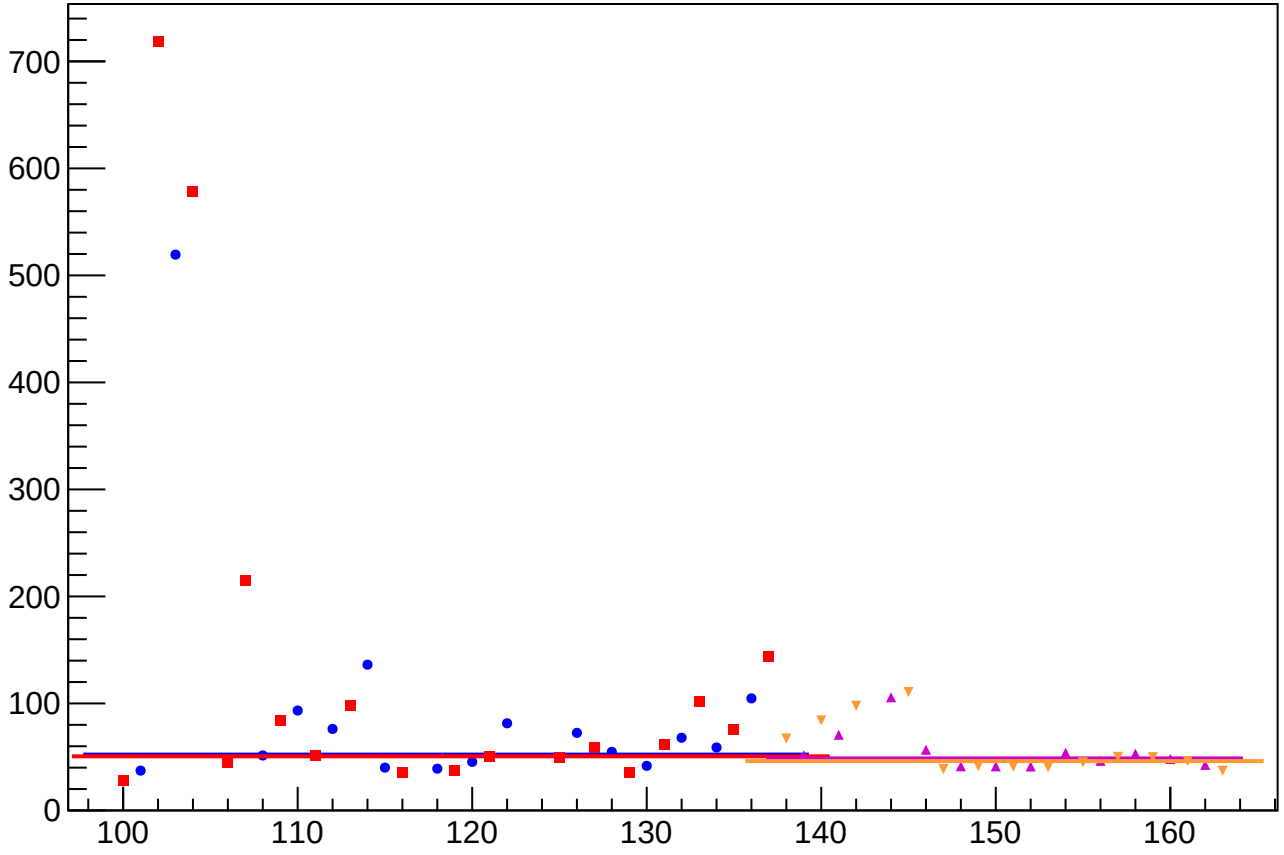
Left In: 0.003+/-0.016 χ^2/NDF:17.8/11

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.001+/-0.009 χ^2/NDF: 63.9/58

- sign 0.005+/-0.014 χ^2/NDF: 30.3/29

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: 46.125+/-0.011 χ^2/NDF:1422059.8/12

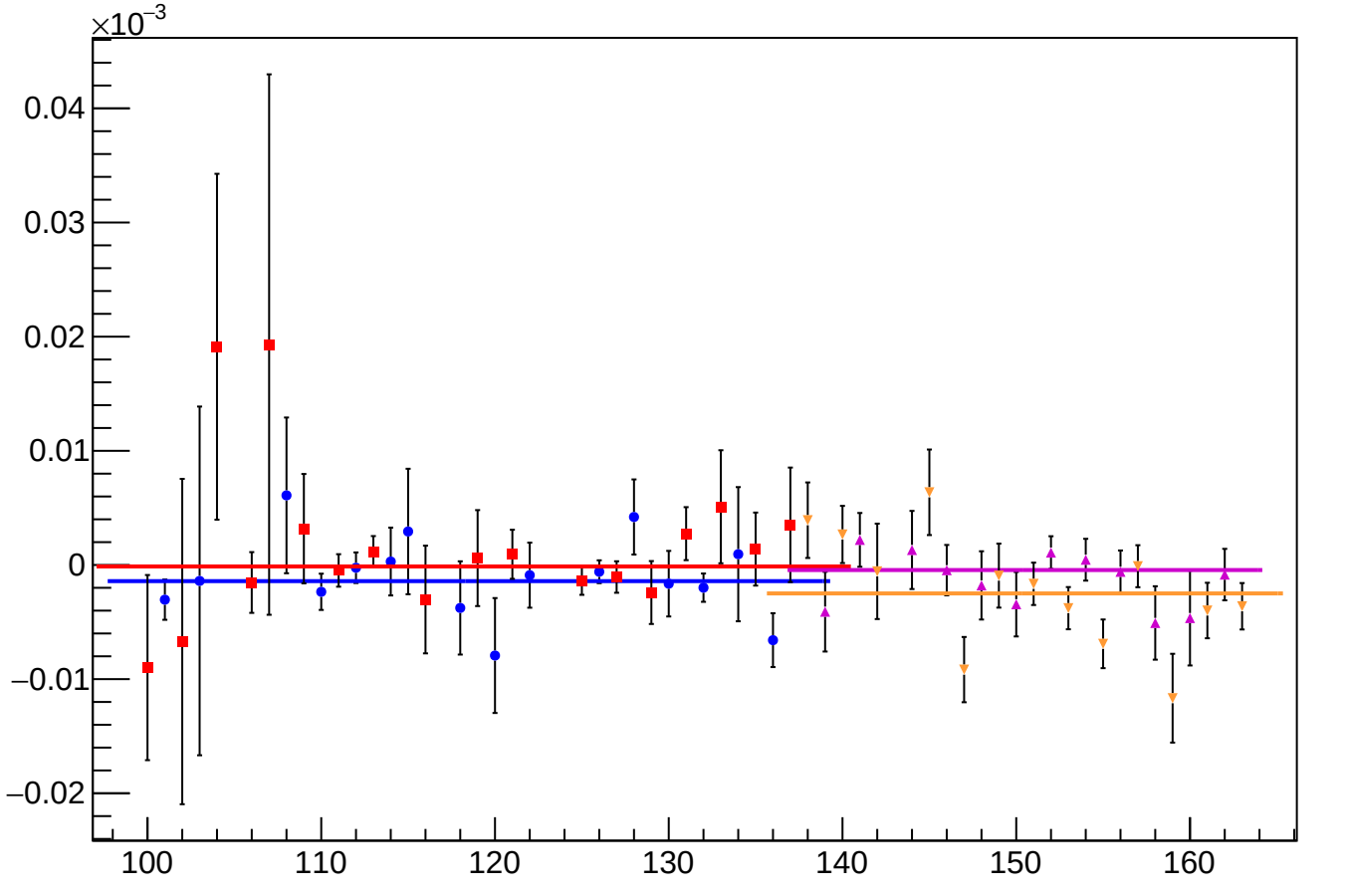
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.628+/-0.012 χ^2/NDF:898270.1/11

+ sign 48.134+/-0.009 χ^2/NDF: 3784985.9/28

All: 48.681+/-0.007 χ^2/NDF: 7751164.0/58

- sign 49.269+/-0.010 χ^2/NDF: 3958869.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/12

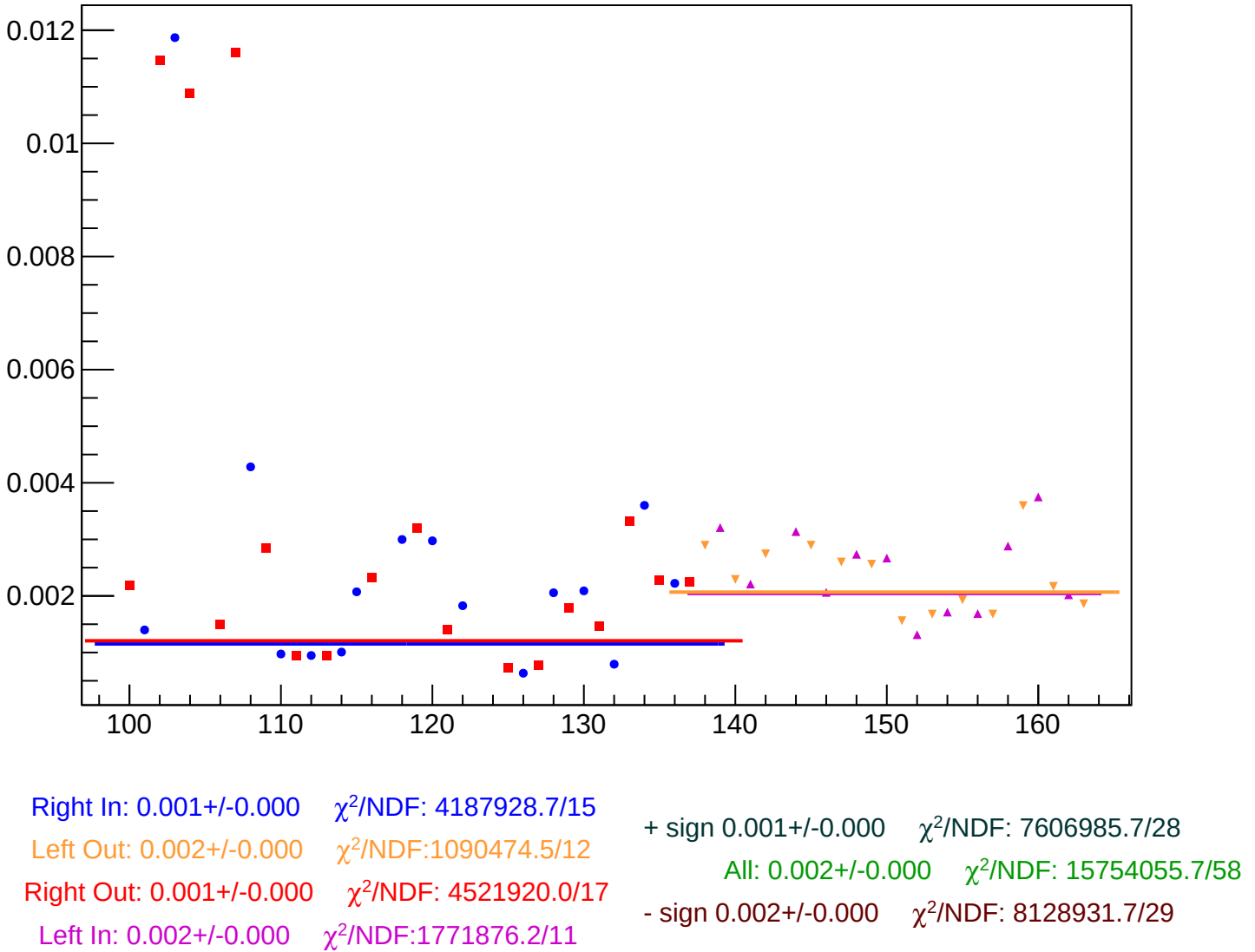
Right Out: -0.000+/-0.000 χ^2/NDF: 11.6/17

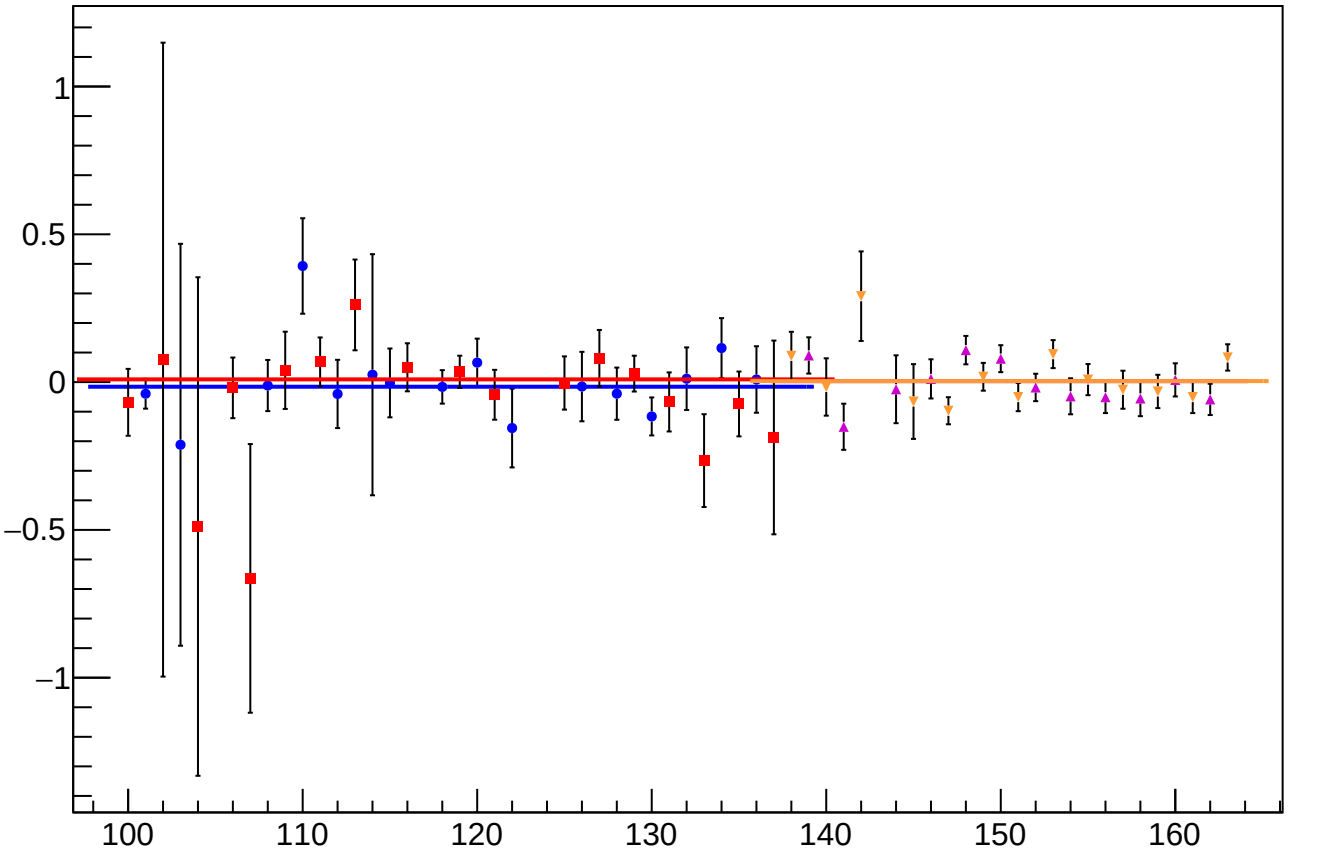
Left In: -0.000+/-0.000 χ^2/NDF:8.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/28

All: -0.000+/-0.000 χ^2/NDF: 76.1/58

- sign -0.000+/-0.000 χ^2/NDF: 20.2/29


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 4187928.7/15
Left Out: 0.002+/-0.000 χ²/NDF:1090474.5/12
Right Out: 0.001+/-0.000 χ²/NDF: 4521920.0/17
Left In: 0.002+/-0.000 χ²/NDF:1771876.2/11
+ sign 0.001+/-0.000 χ²/NDF: 7606985.7/28
All: 0.002+/-0.000 χ²/NDF: 15754055.7/58
- sign 0.002+/-0.000 χ²/NDF: 8128931.7/29



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

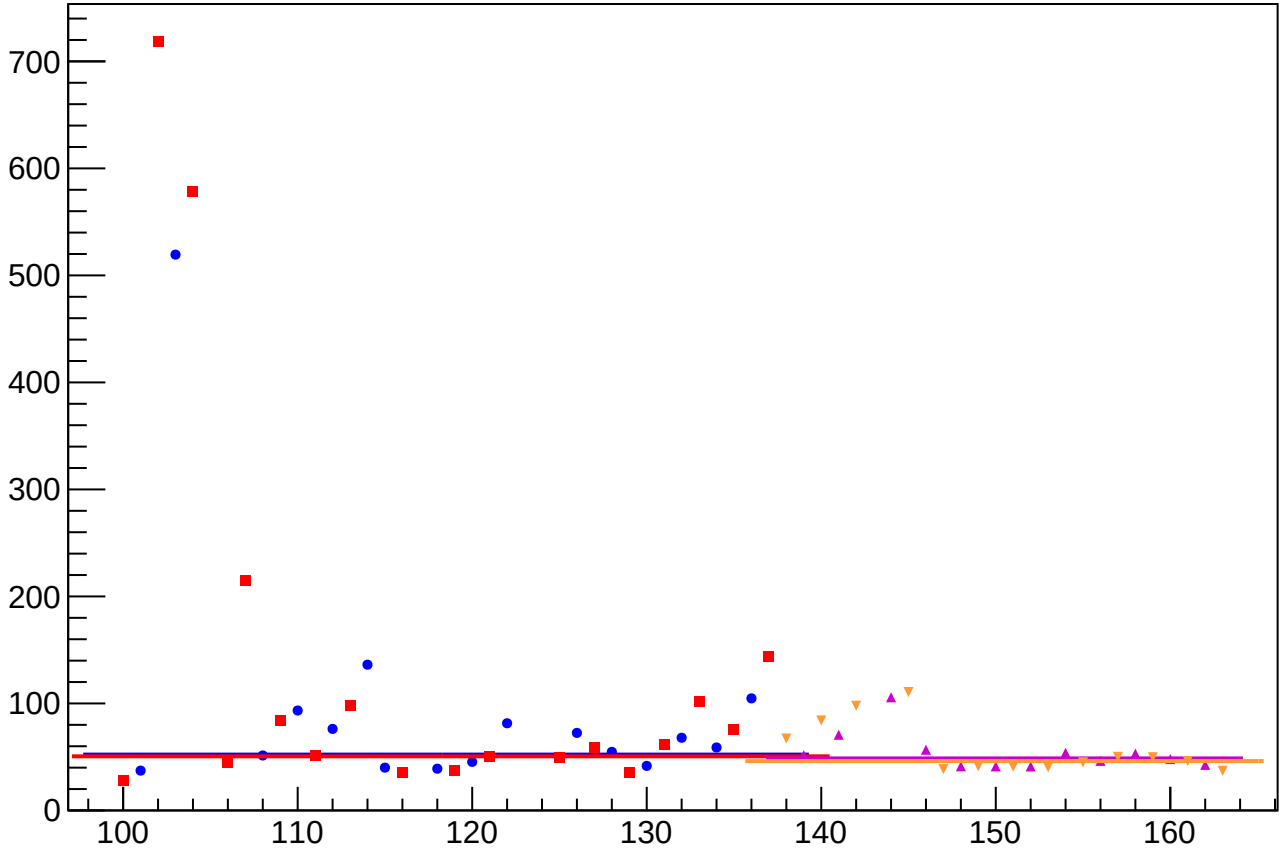
Left In: 0.003+/-0.016 χ^2/NDF:17.8/11

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.001+/-0.009 χ^2/NDF: 63.9/58

- sign 0.005+/-0.014 χ^2/NDF: 30.3/29

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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

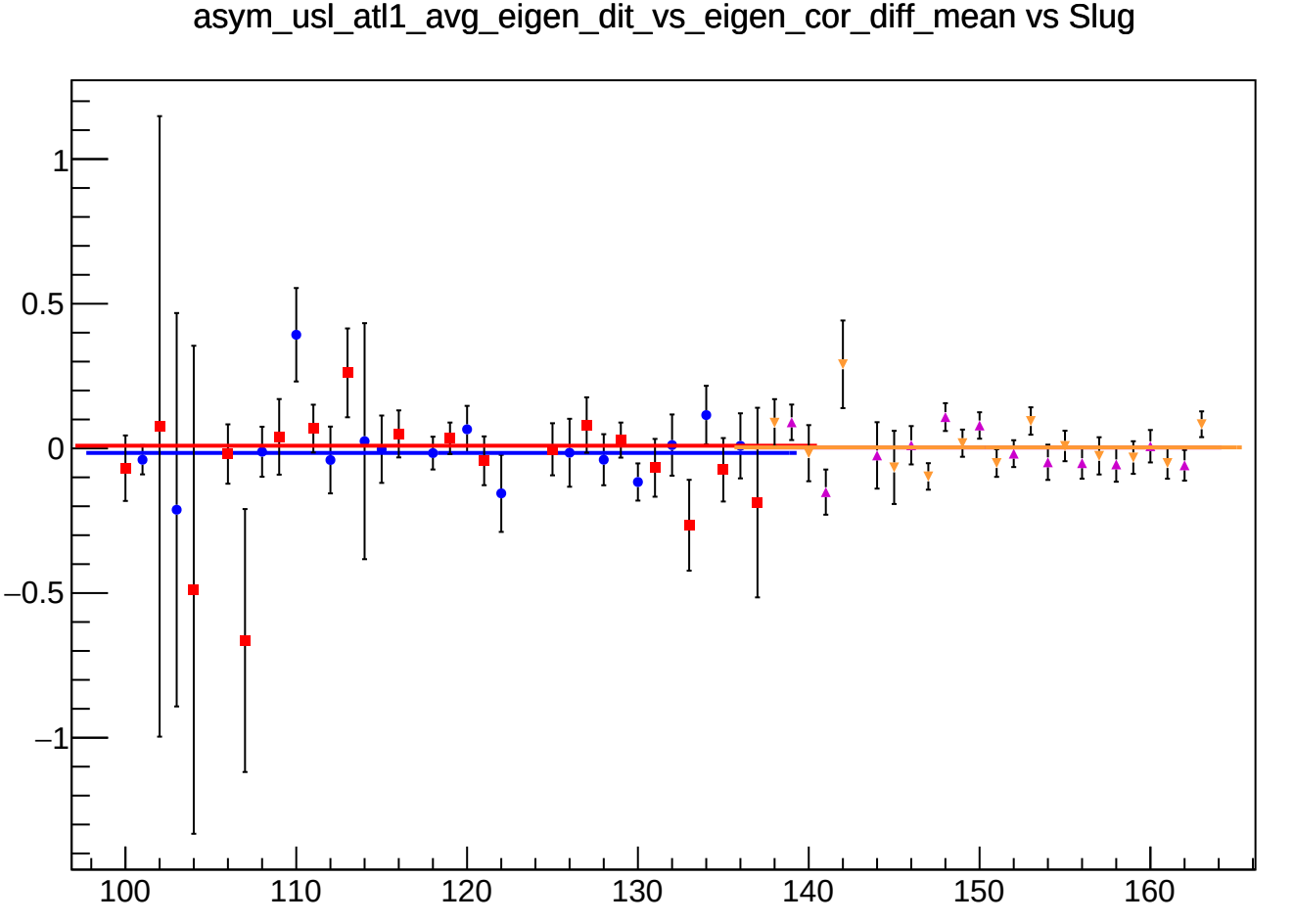
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.628+/-0.012 χ^2/NDF:898278.3/11

+ sign 48.134+/-0.009 χ^2/NDF: 3784969.5/28

All: 48.681+/-0.007 χ^2/NDF: 7751137.3/58

- sign 49.269+/-0.010 χ^2/NDF: 3958859.4/29



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

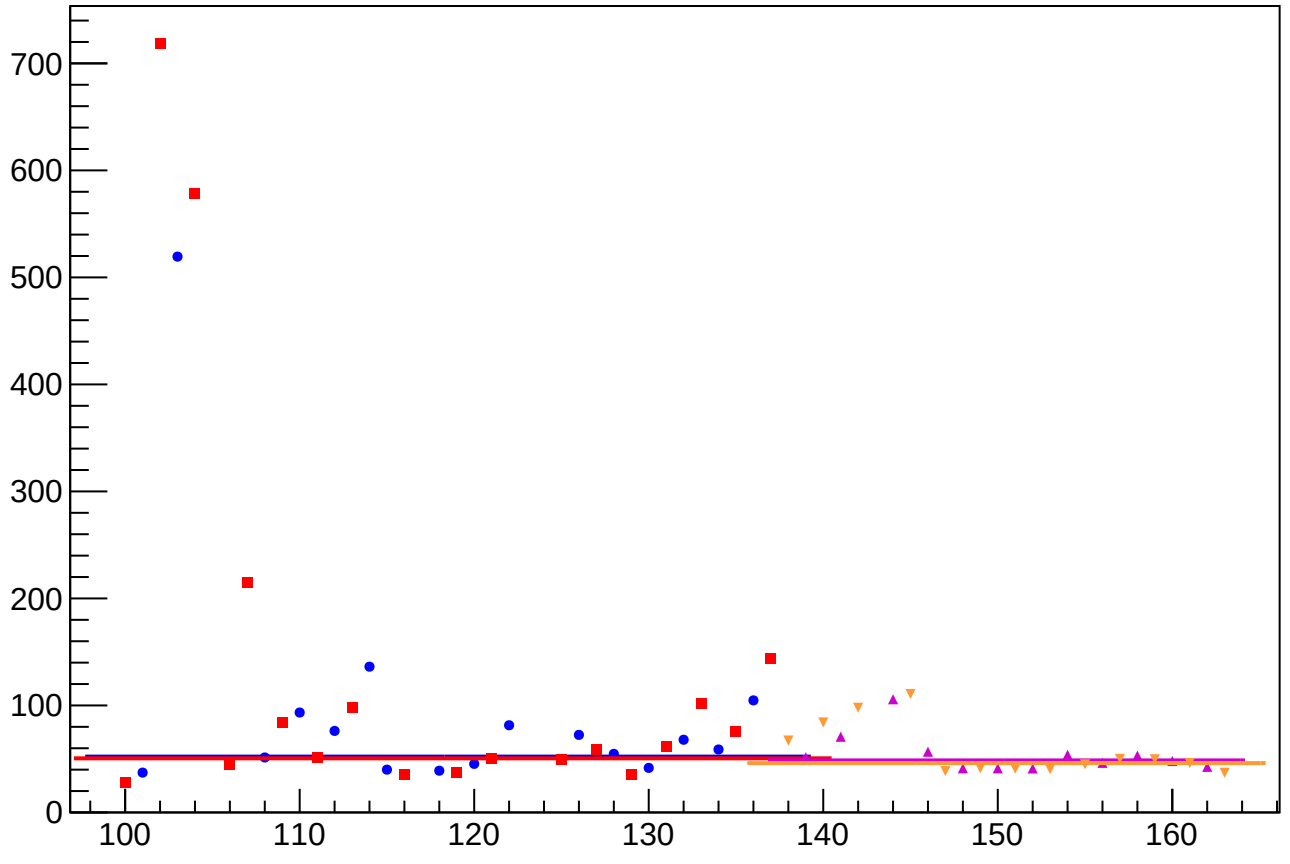
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.003+/-0.016 χ^2/NDF:17.8/11

+ sign -0.003+/-0.013 χ^2/NDF: 33.4/28

All: 0.001+/-0.009 χ^2/NDF: 63.9/58

- sign 0.005+/-0.014 χ^2/NDF: 30.3/29



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 46.125+/-0.011 χ^2/NDF:1422054.2/12

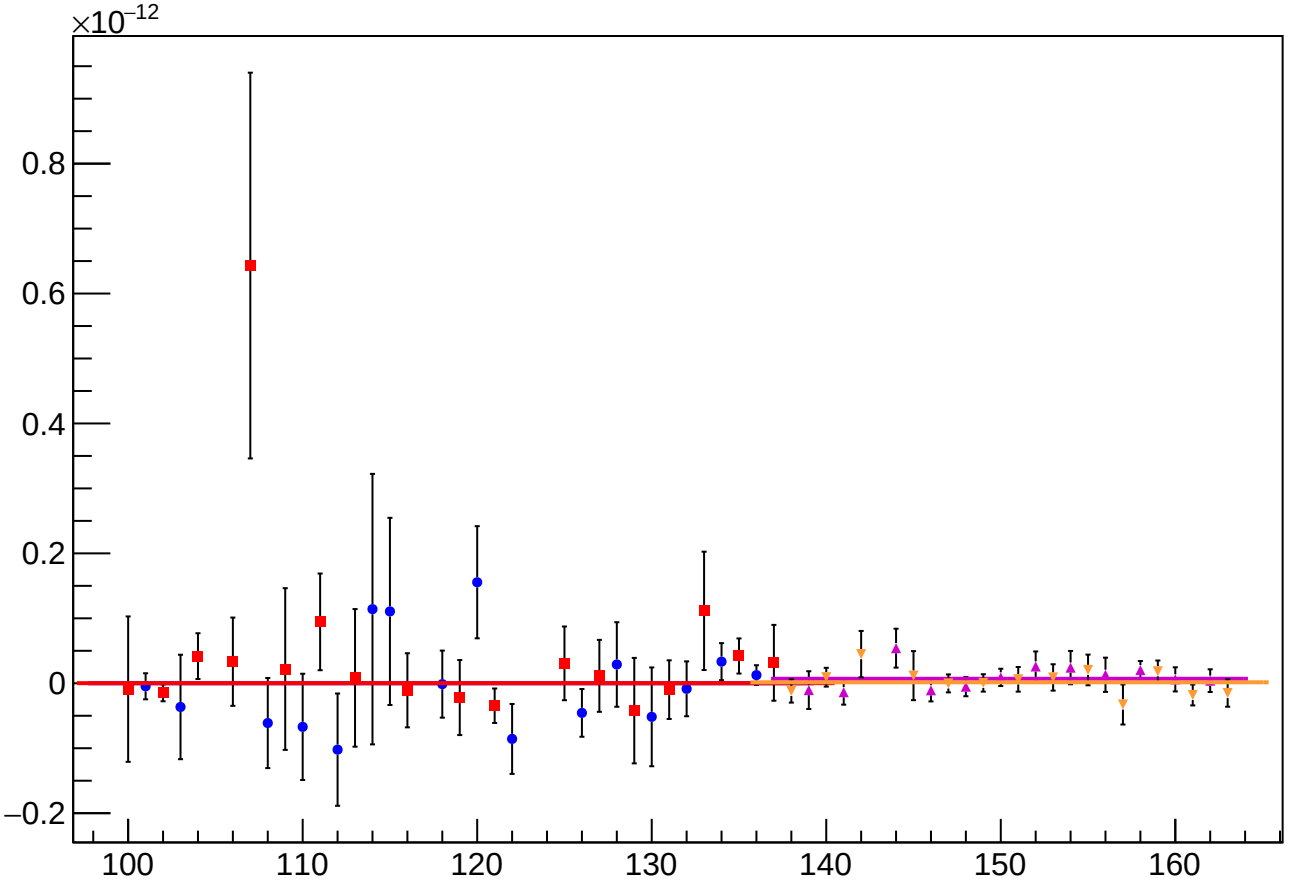
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.628+/-0.012 χ^2/NDF:898278.3/11

+ sign 48.134+/-0.009 χ^2/NDF: 3784969.5/28

All: 48.681+/-0.007 χ^2/NDF: 7751137.3/58

- sign 49.269+/-0.010 χ^2/NDF: 3958859.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/12

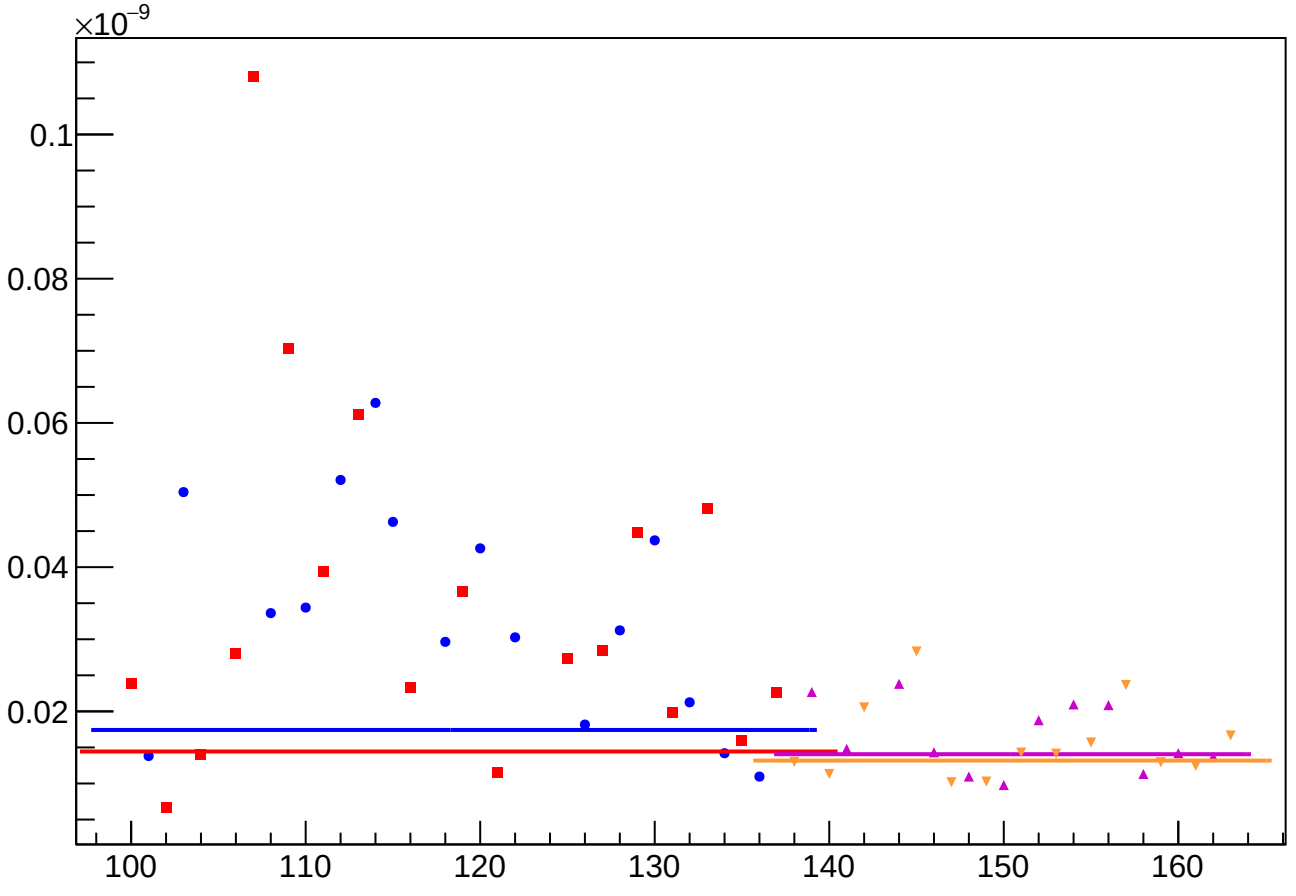
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 21.7/28

All: 0.000+/-0.000 χ^2/NDF: 46.4/58

- sign 0.000+/-0.000 χ^2/NDF: 24.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:953170.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

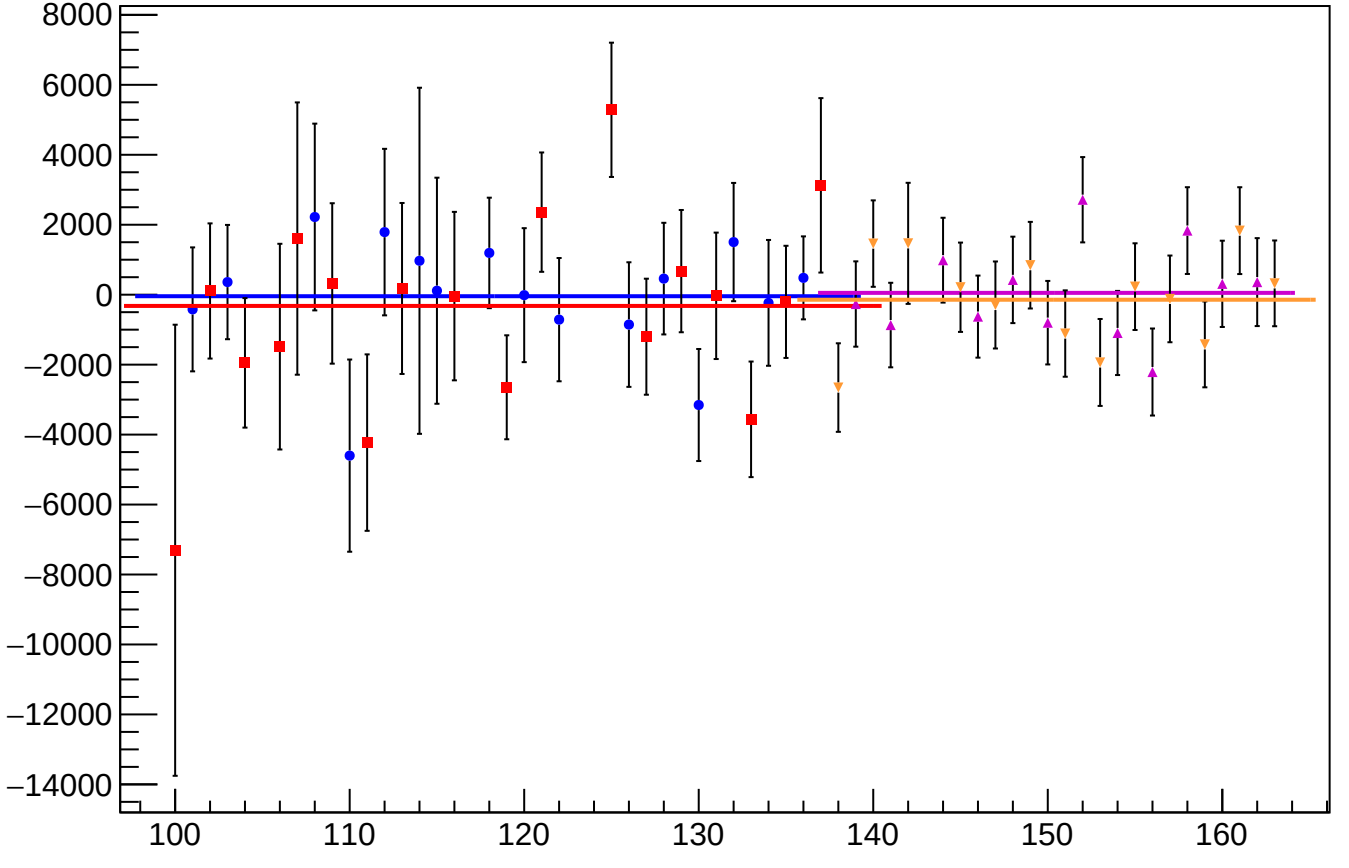
Left In: 0.000+/-0.000 χ^2/NDF:1125933.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3492319.5/28

All: 0.000+/-0.000 χ^2/NDF: 7881947.0/58

- sign 0.000+/-0.000 χ^2/NDF: 4389624.7/29

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.246+/-351.183 χ^2/NDF:13.8/12

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

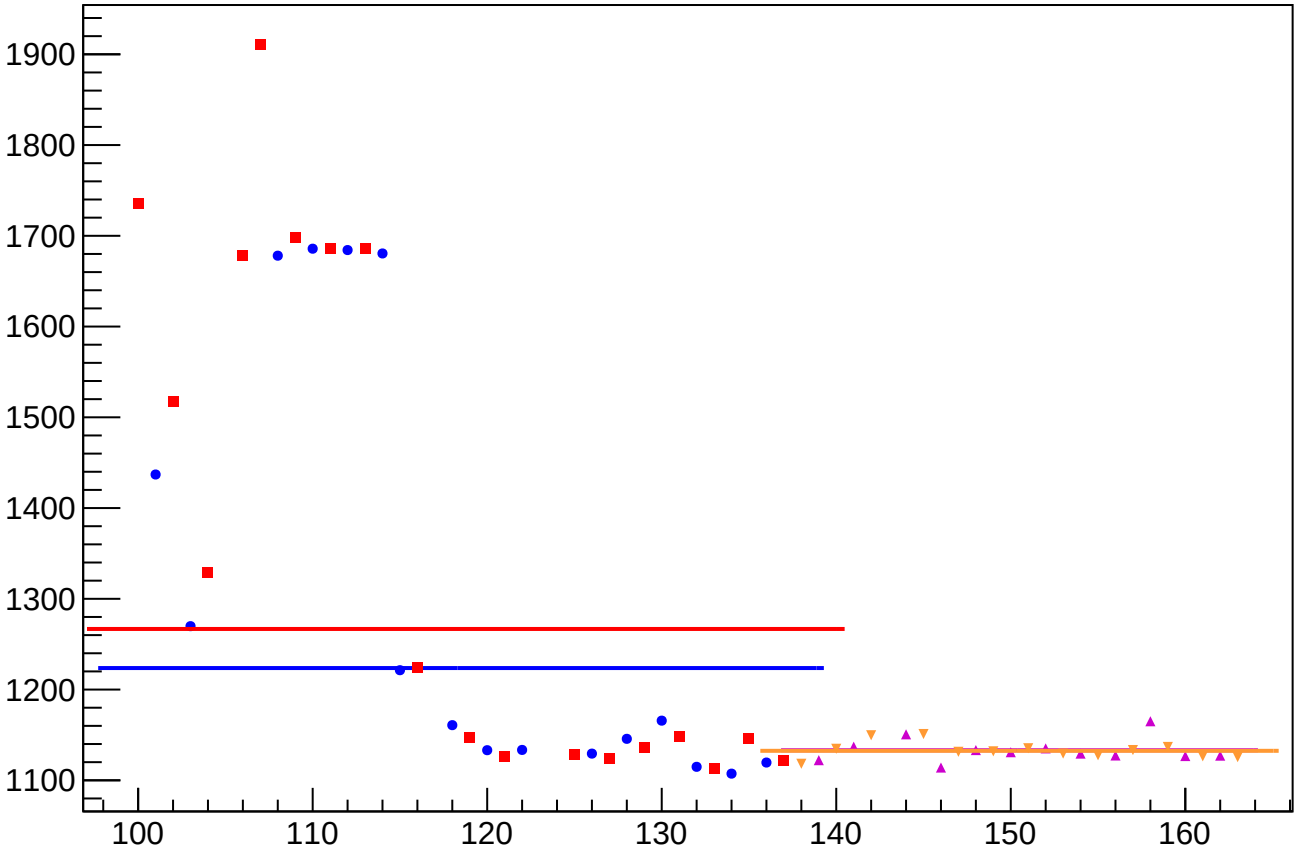
Left In: 52.190+/-352.005 χ^2/NDF:13.3/11

+ sign -107.136+/-278.961 χ^2/NDF: 23.9/28

All: -93.862+/-198.598 χ^2/NDF: 62.4/58

- sign -80.220+/-282.800 χ^2/NDF: 38.5/29

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

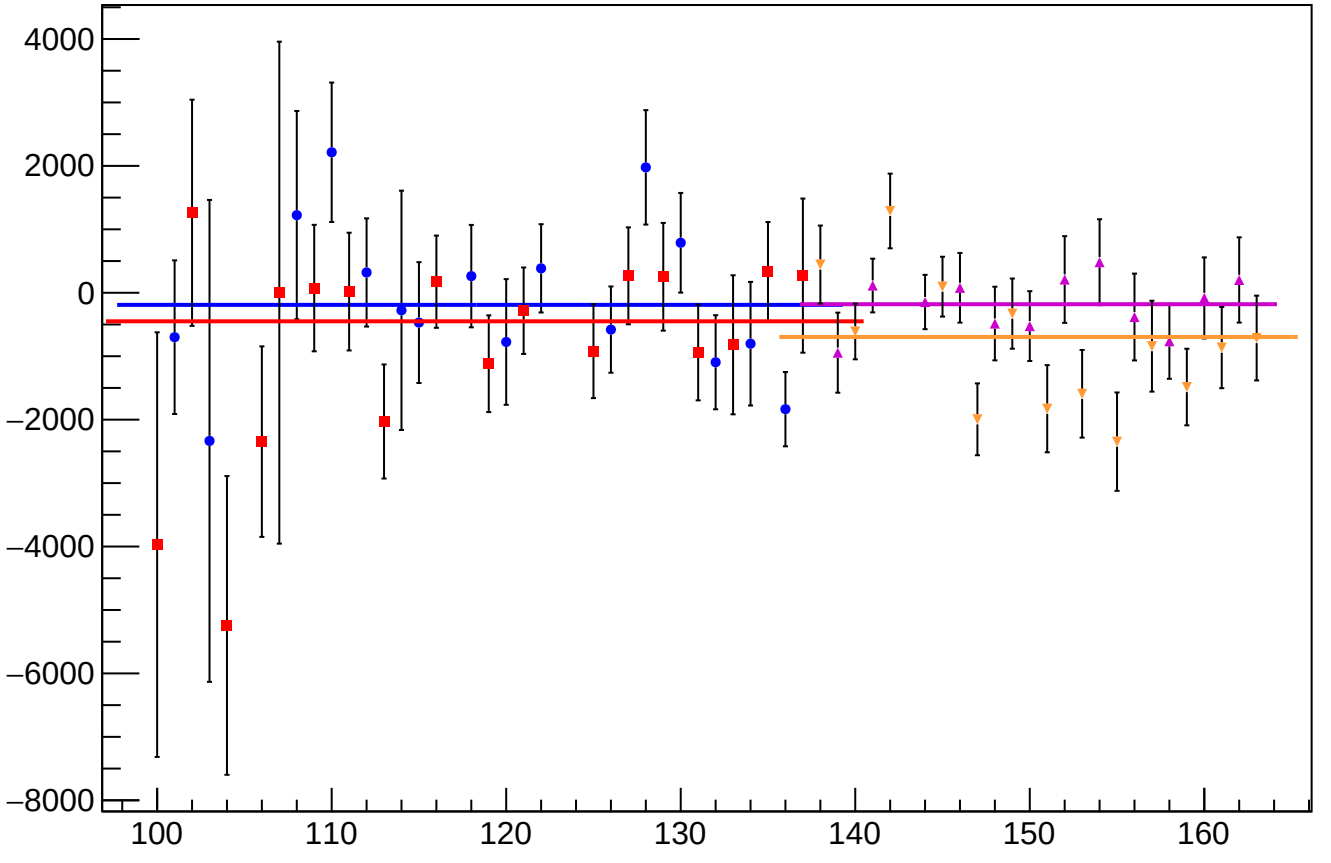
Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.5/28

All: 1173.241+/-0.140 χ^2/NDF: 886112.2/58

- sign 1180.519+/-0.200 χ^2/NDF: 537690.5/29

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -696.563+/-164.699 χ^2/NDF:34.1/12

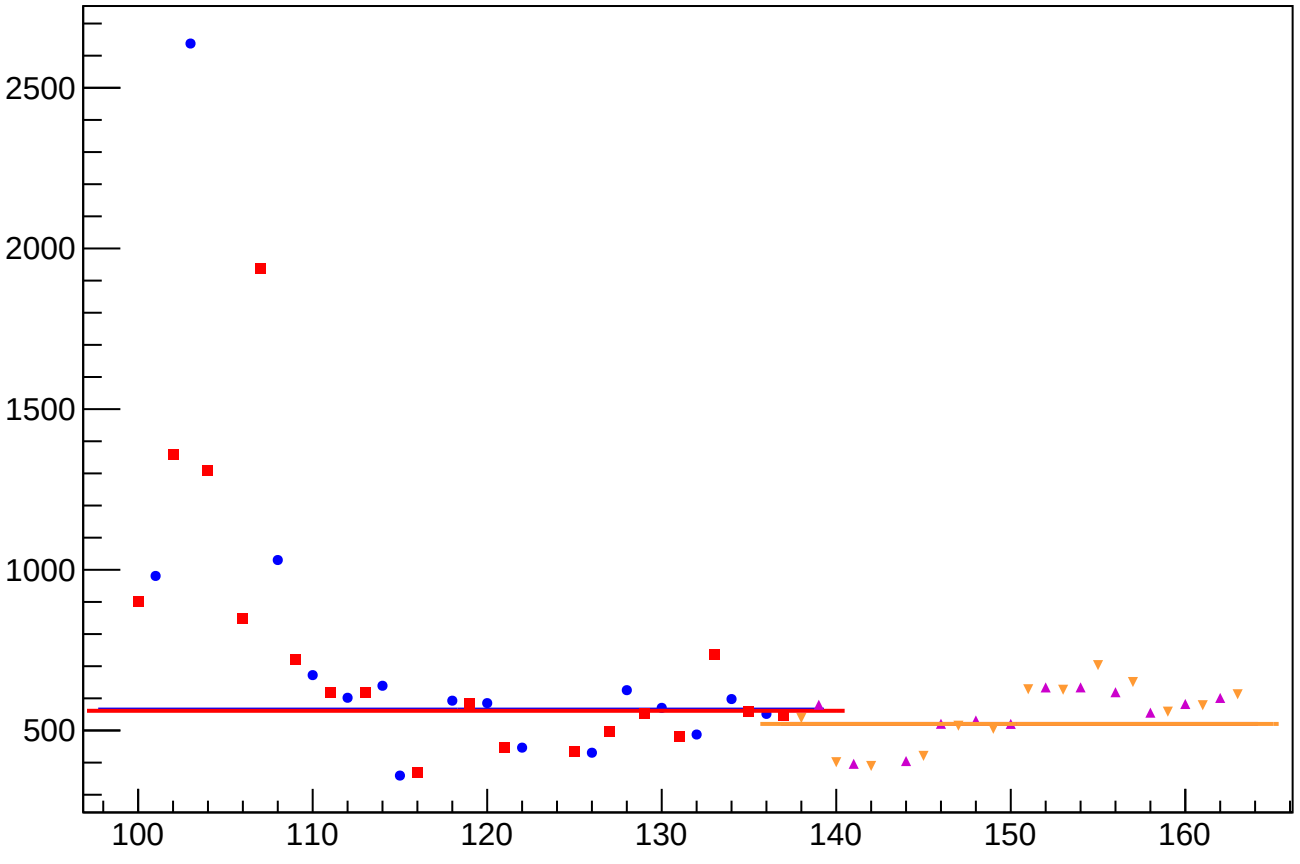
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -180.294+/-164.162 χ^2/NDF:5.5/11

+ sign -517.860+/-132.456 χ^2/NDF: 62.7/28

All: -396.197+/-93.586 χ^2/NDF: 87.7/58

- sign -274.919+/-132.245 χ^2/NDF: 23.3/29



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 520.364+/-0.116 χ^2/NDF:675658.2/12

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

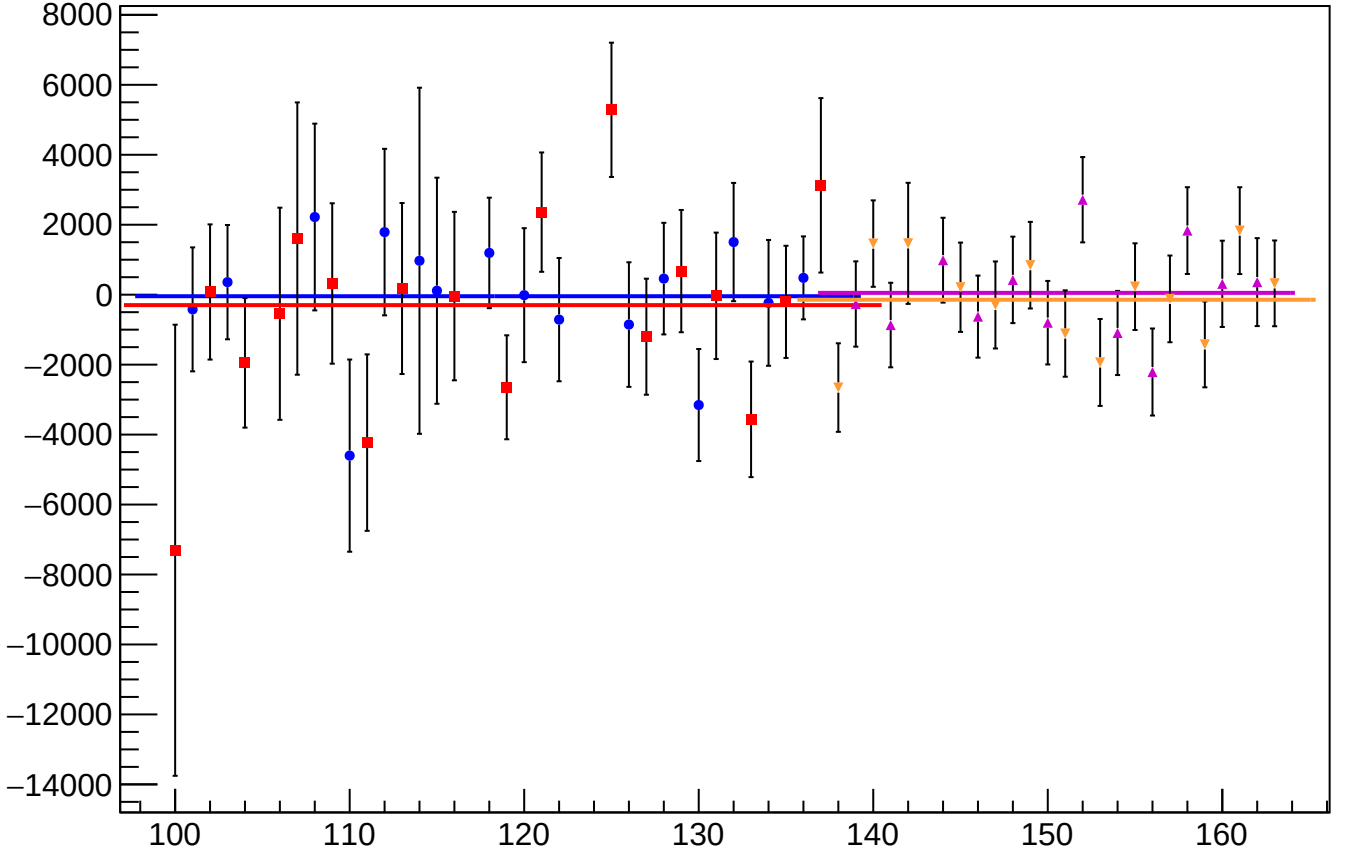
Left In: 520.296+/-0.116 χ^2/NDF:544002.1/11

+ sign 536.116+/-0.094 χ^2/NDF: 2011927.6/28

All: 535.392+/-0.066 χ^2/NDF: 3951970.2/58

- sign 534.670+/-0.094 χ^2/NDF: 1939923.3/29

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

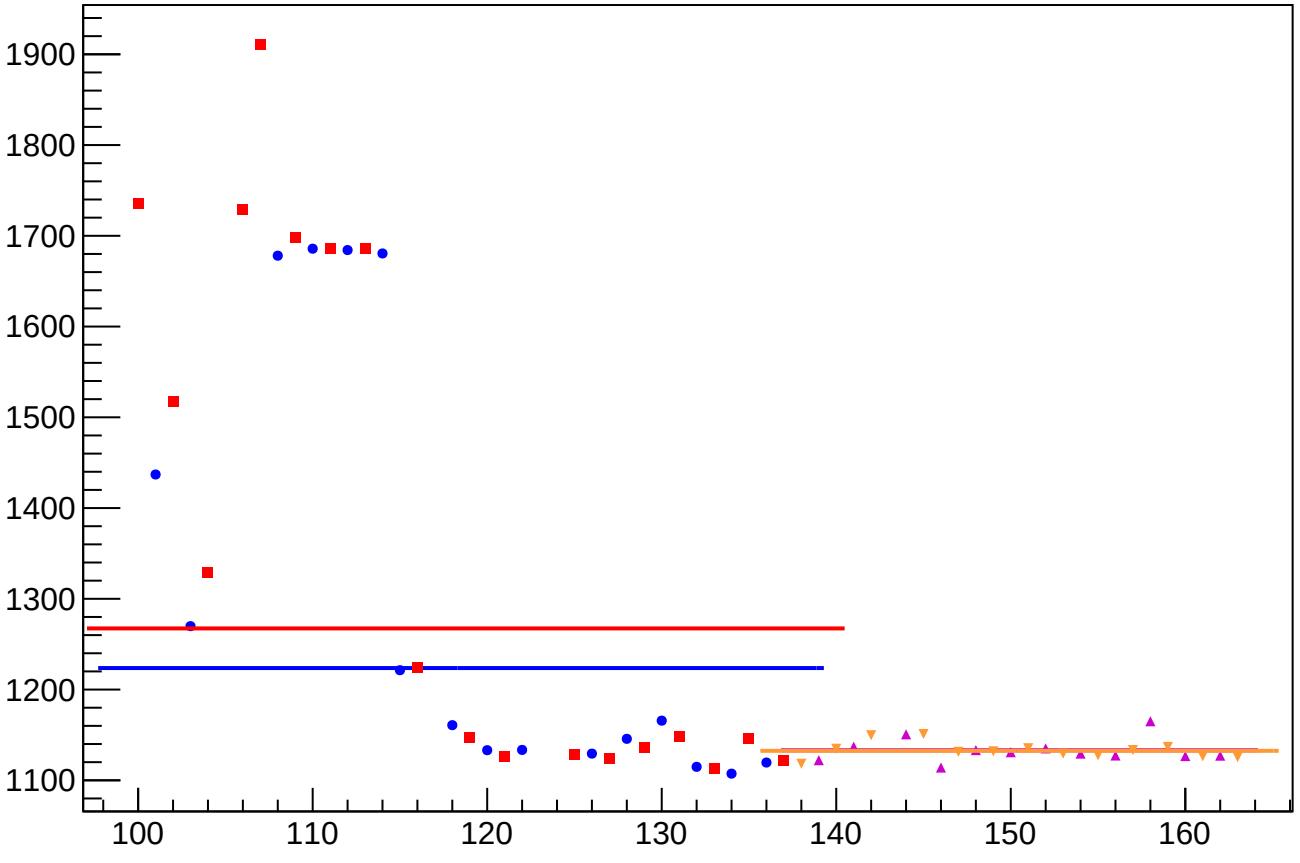
Left In: 52.202+/-352.005 χ^2/NDF:13.3/11

+ sign -107.189+/-278.961 χ^2/NDF: 23.9/28

All: -89.796+/-198.626 χ^2/NDF: 62.2/58

- sign -71.910+/-282.879 χ^2/NDF: 38.3/29

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

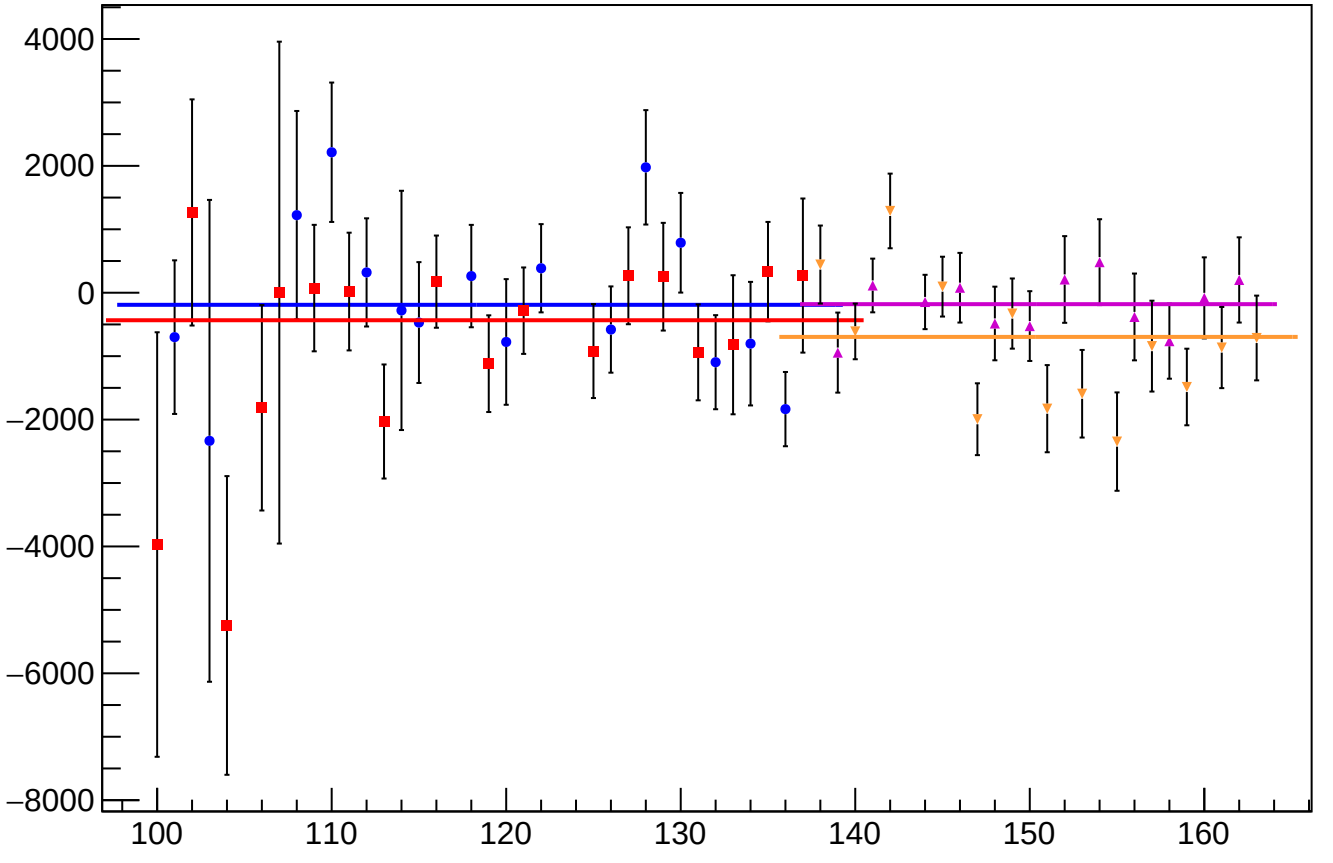
Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.6/28

All: 1173.318+/-0.140 χ^2/NDF: 894095.7/58

- sign 1180.677+/-0.200 χ^2/NDF: 545616.7/29

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

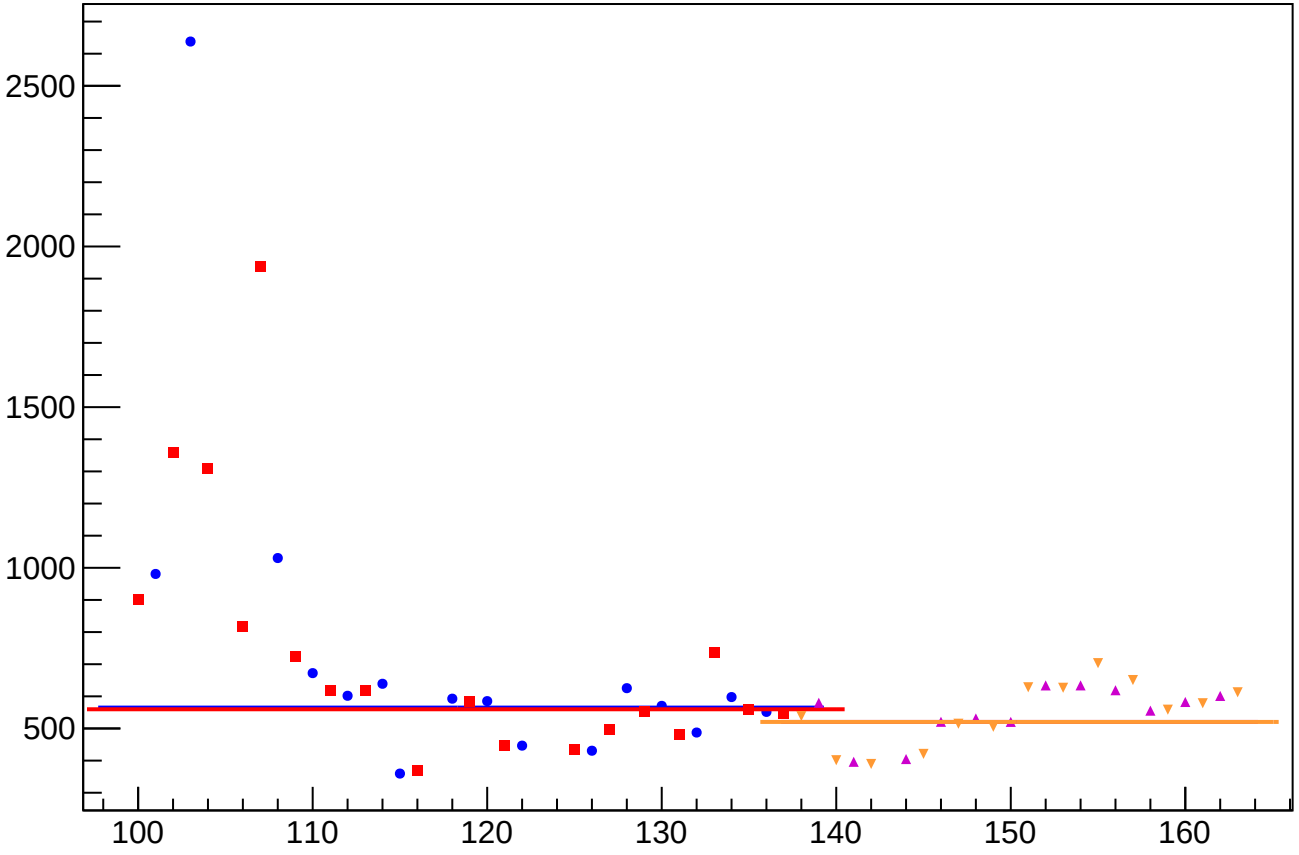
Left In: -180.314+/-164.162 χ^2/NDF:5.5/11

\+ sign -517.866+/-132.455 χ^2/NDF: 62.7/28

All: -393.377+/-93.611 χ^2/NDF: 86.8/58

\- sign -269.148+/-132.317 χ^2/NDF: 22.3/29

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

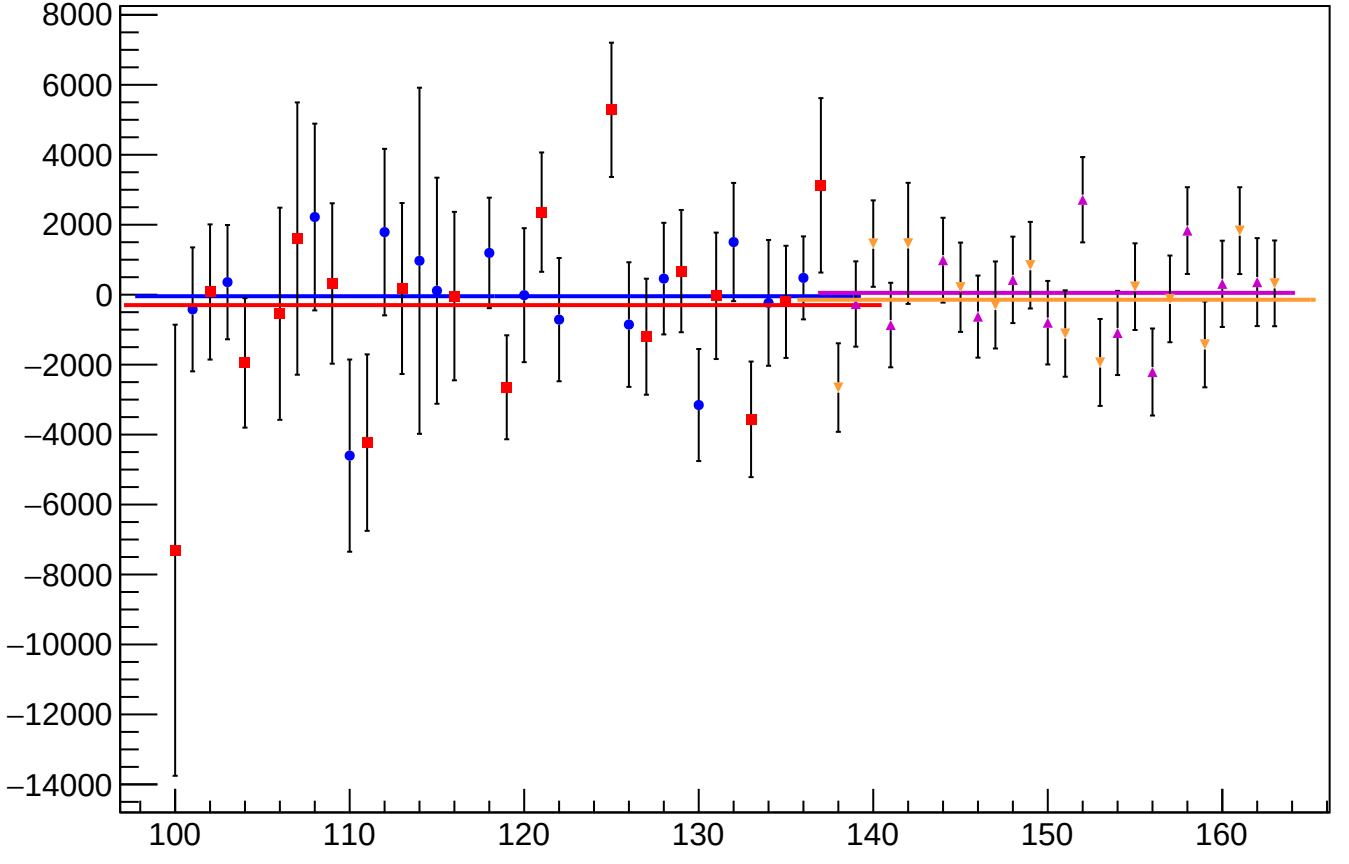
Left In: 520.297+/-0.116 χ^2/NDF:543966.4/11

+ sign 536.113+/-0.094 χ^2/NDF: 2011872.3/28

All: 535.116+/-0.066 χ^2/NDF: 3925908.2/58

- sign 534.122+/-0.094 χ^2/NDF: 1913809.7/29

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

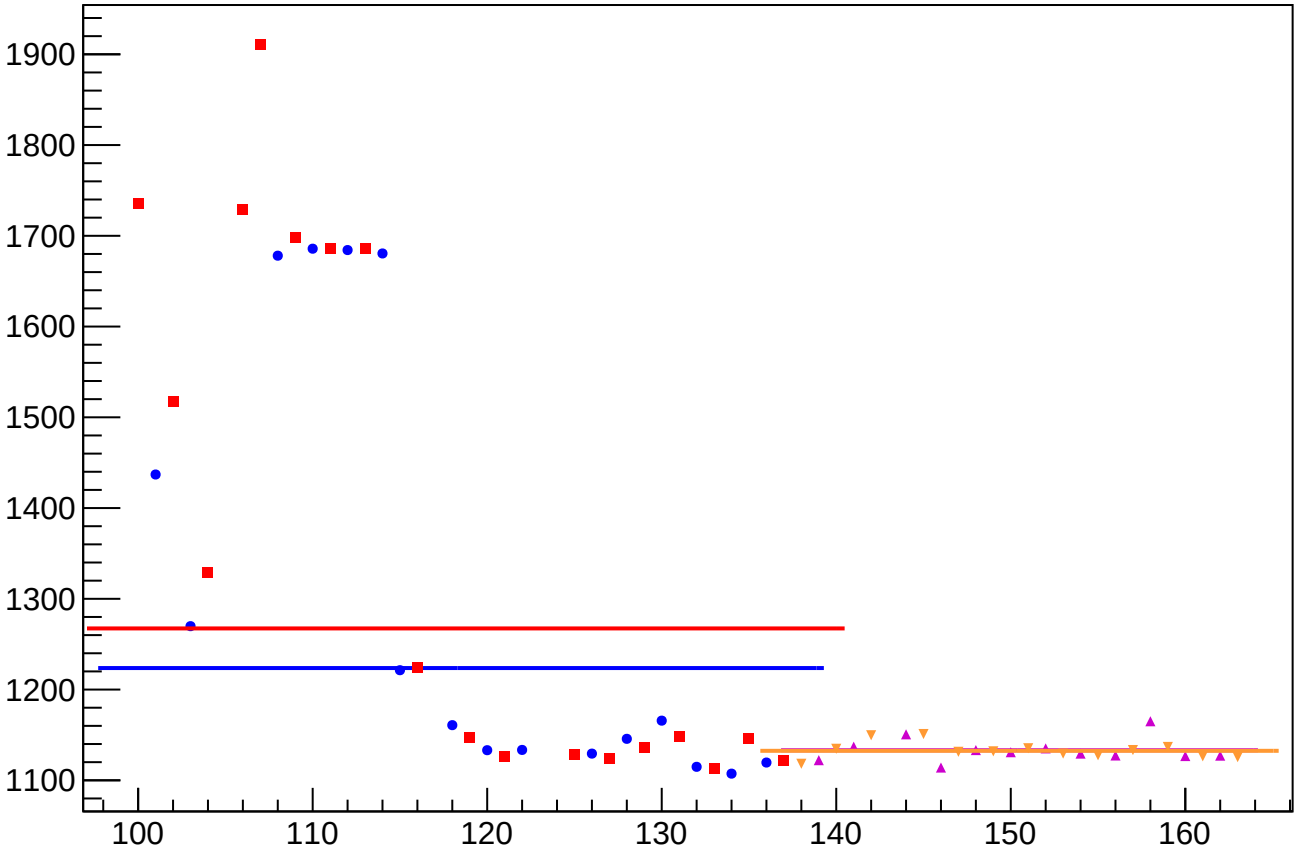
Left In: 52.202+/-352.005 χ^2/NDF:13.3/11

+ sign -107.189+/-278.961 χ^2/NDF: 23.9/28

All: -89.796+/-198.626 χ^2/NDF: 62.2/58

- sign -71.910+/-282.879 χ^2/NDF: 38.3/29

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

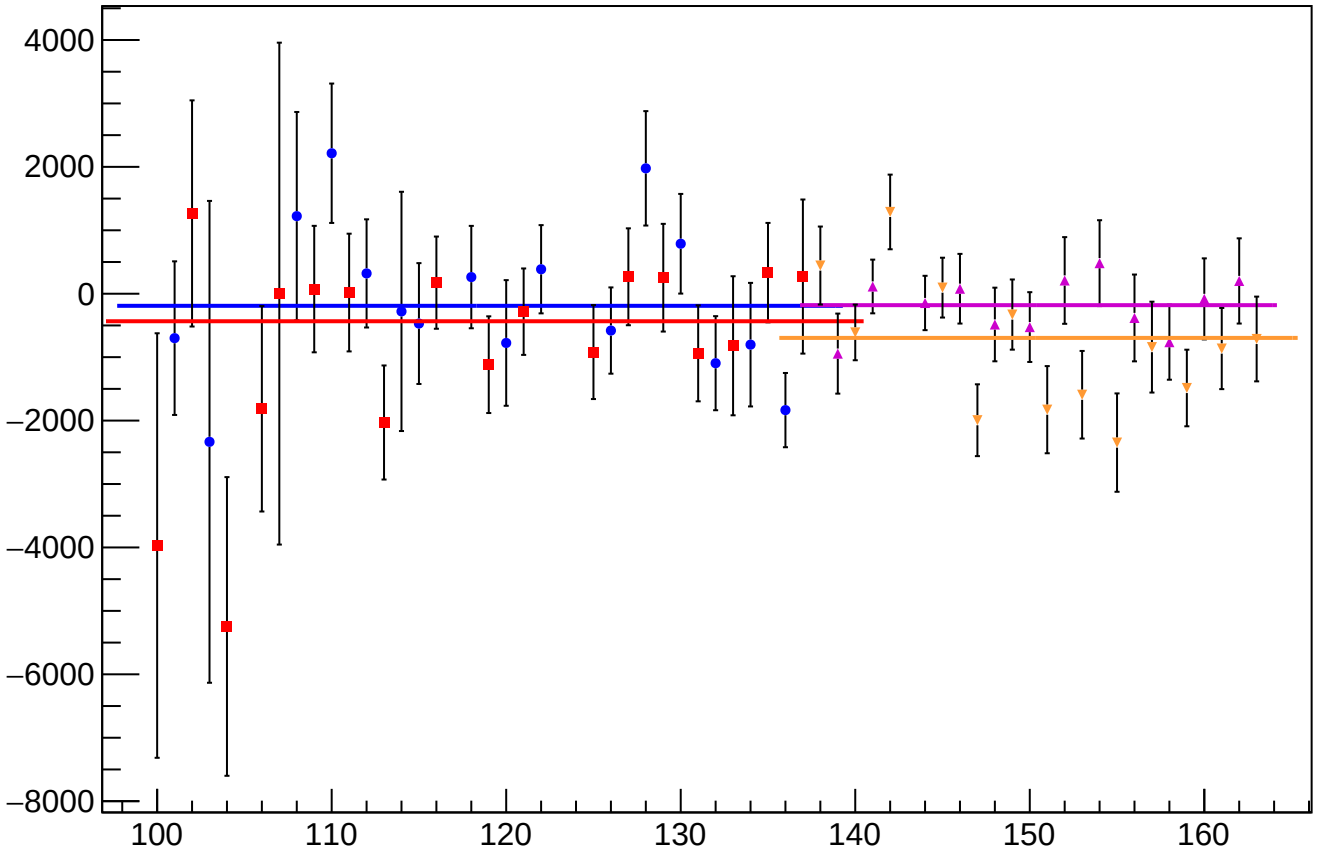
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

+ sign 1166.160+/-0.197 χ^2/NDF: 345808.6/28

All: 1173.318+/-0.140 χ^2/NDF: 894095.7/58

- sign 1180.677+/-0.200 χ^2/NDF: 545616.7/29



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -696.567+/-164.698 χ^2/NDF:34.1/12

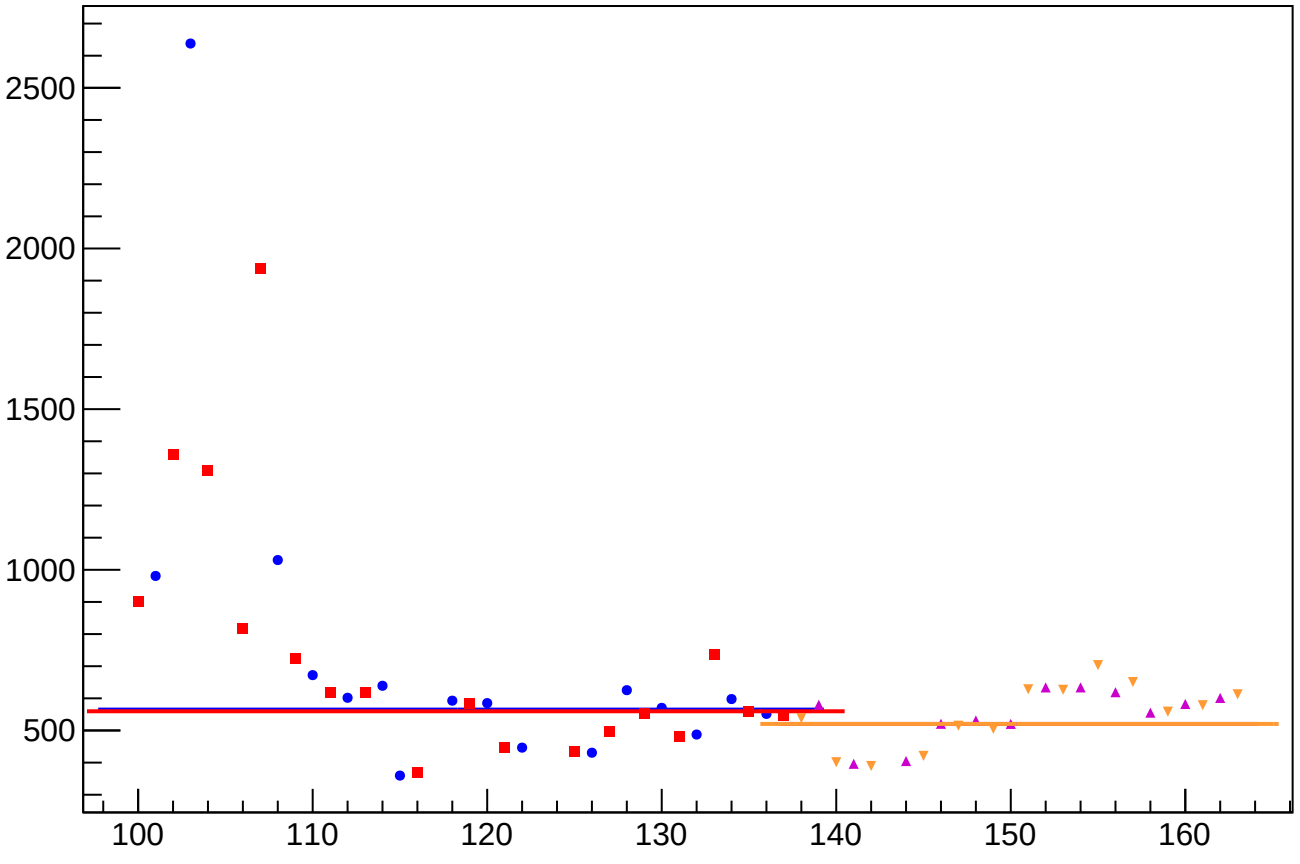
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -180.314+/-164.162 χ^2/NDF:5.5/11

+ sign -517.866+/-132.455 χ^2/NDF: 62.7/28

All: -393.377+/-93.611 χ^2/NDF: 86.8/58

- sign -269.148+/-132.317 χ^2/NDF: 22.3/29



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

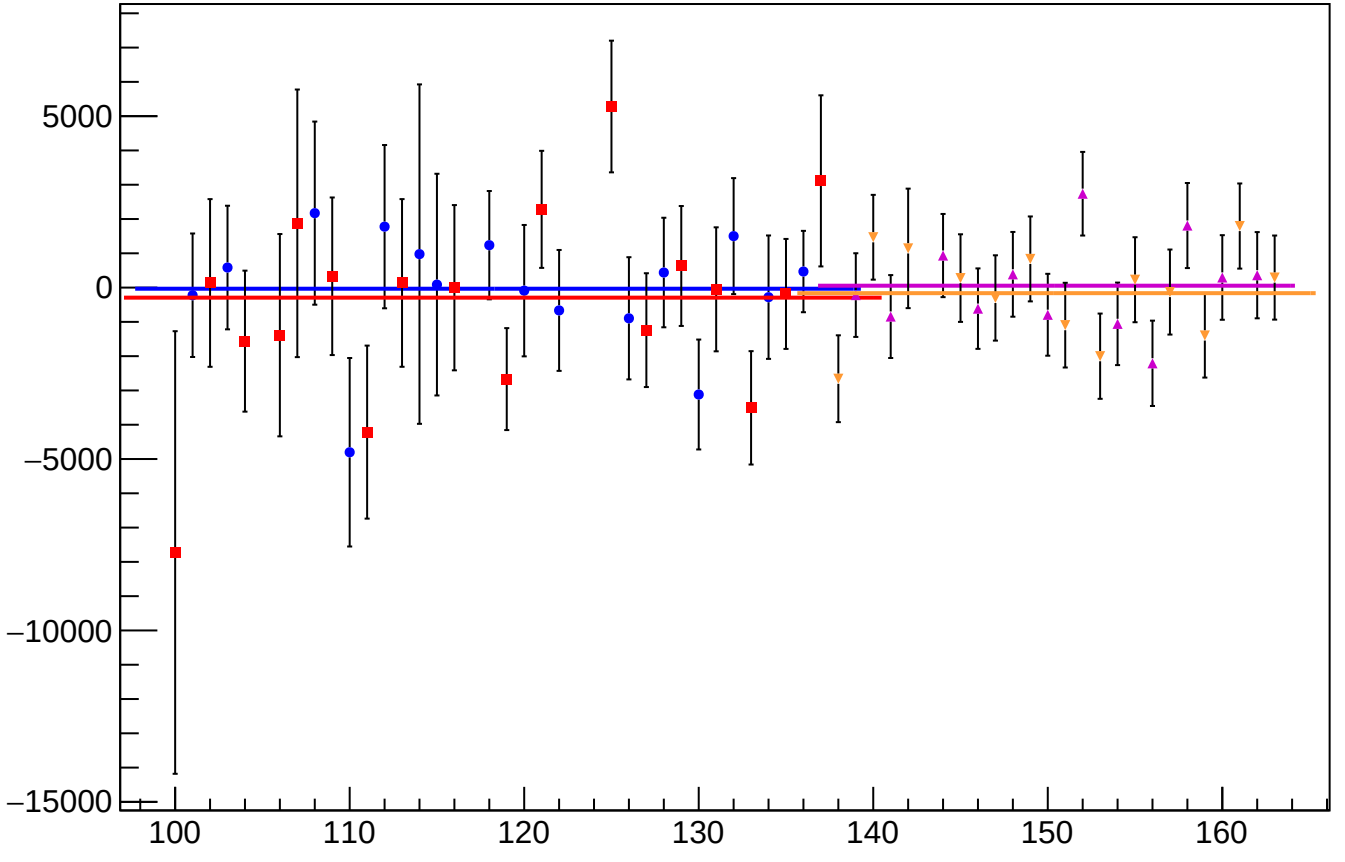
Left In: 520.297+/-0.116 χ^2/NDF:543966.4/11

+ sign 536.113+/-0.094 χ^2/NDF: 2011872.3/28

All: 535.116+/-0.066 χ^2/NDF: 3925908.2/58

- sign 534.122+/-0.094 χ^2/NDF: 1913809.7/29

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.555+/-351.418 χ^2/NDF:13.5/12

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

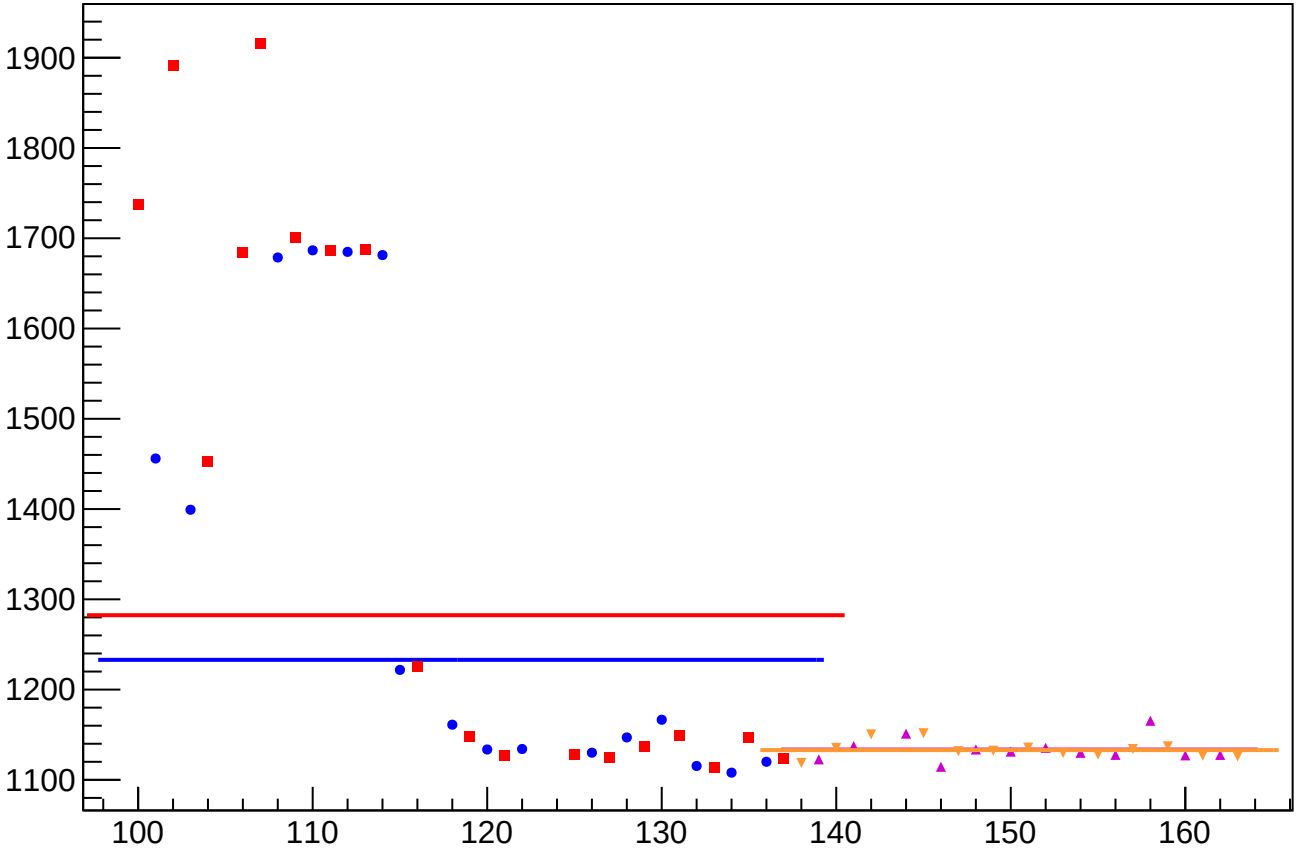
Left In: 55.019+/-352.137 χ^2/NDF:13.1/11

+ sign -115.251+/-279.968 χ^2/NDF: 23.8/28

All: -90.855+/-199.624 χ^2/NDF: 61.5/58

- sign -65.624+/-284.715 χ^2/NDF: 37.7/29

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.1/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

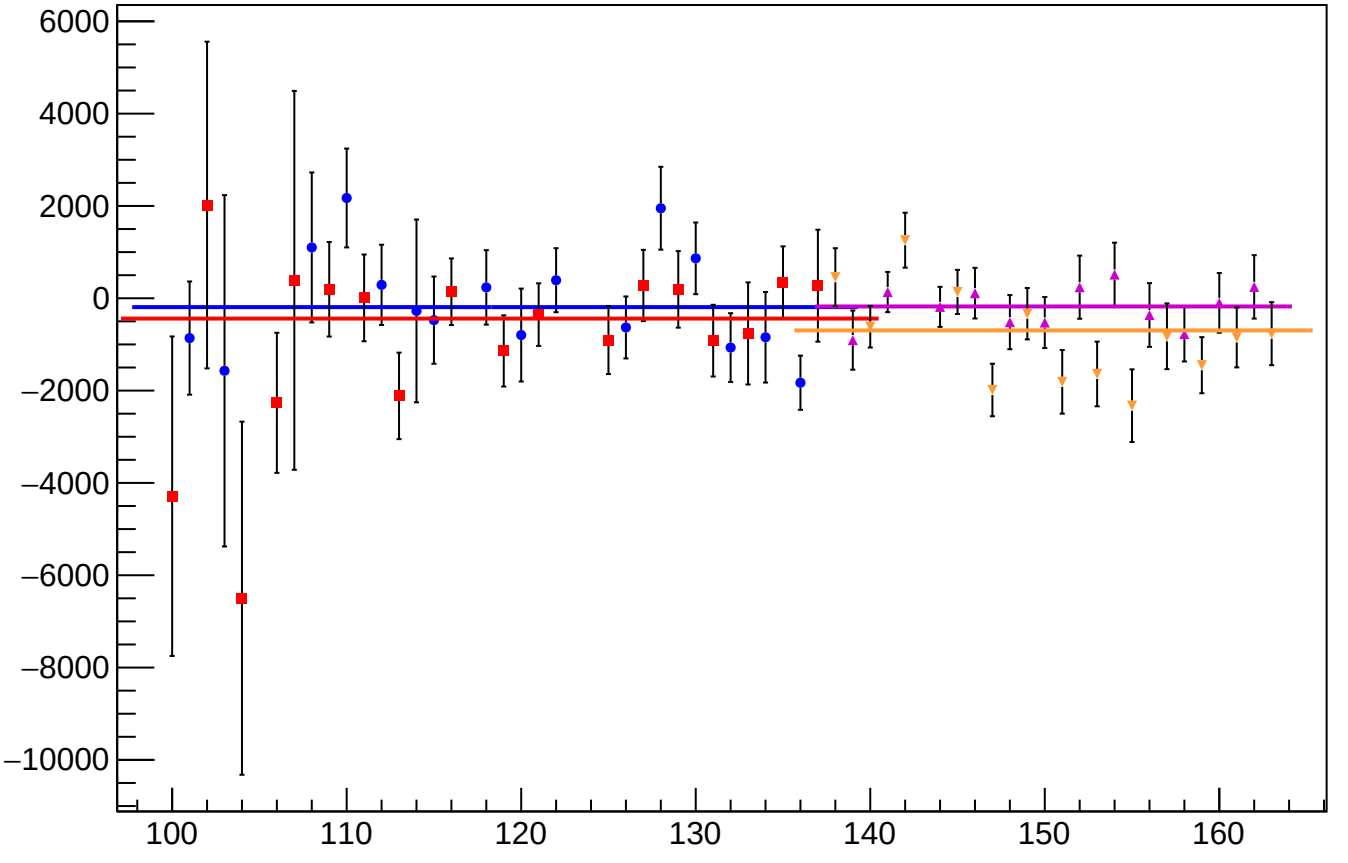
Left In: 1133.560+/-0.249 χ^2/NDF:2626.7/11

+ sign 1169.495+/-0.198 χ^2/NDF: 375715.0/28

All: 1177.167+/-0.141 χ^2/NDF: 1048539.5/58

- sign 1185.102+/-0.201 χ^2/NDF: 669769.1/29

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -696.916+/-166.752 χ^2/NDF:33.2/12

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

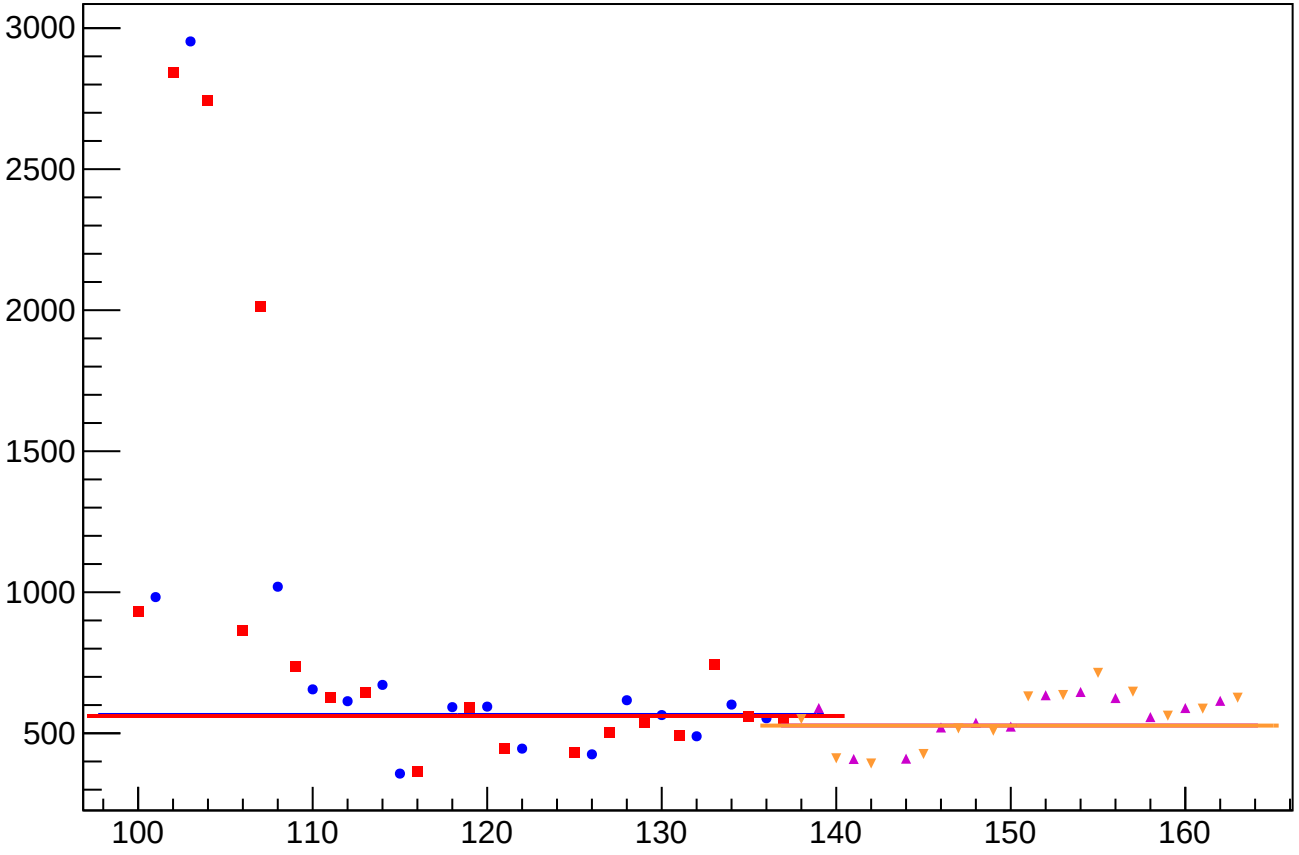
Left In: -177.252+/-166.274 χ^2/NDF:5.7/11

+ sign -515.423+/-133.494 χ^2/NDF: 61.7/28

All: -392.766+/-94.592 χ^2/NDF: 84.6/58

- sign -269.074+/-134.056 χ^2/NDF: 21.2/29

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 527.230+/-0.118 χ^2/NDF:658254.9/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

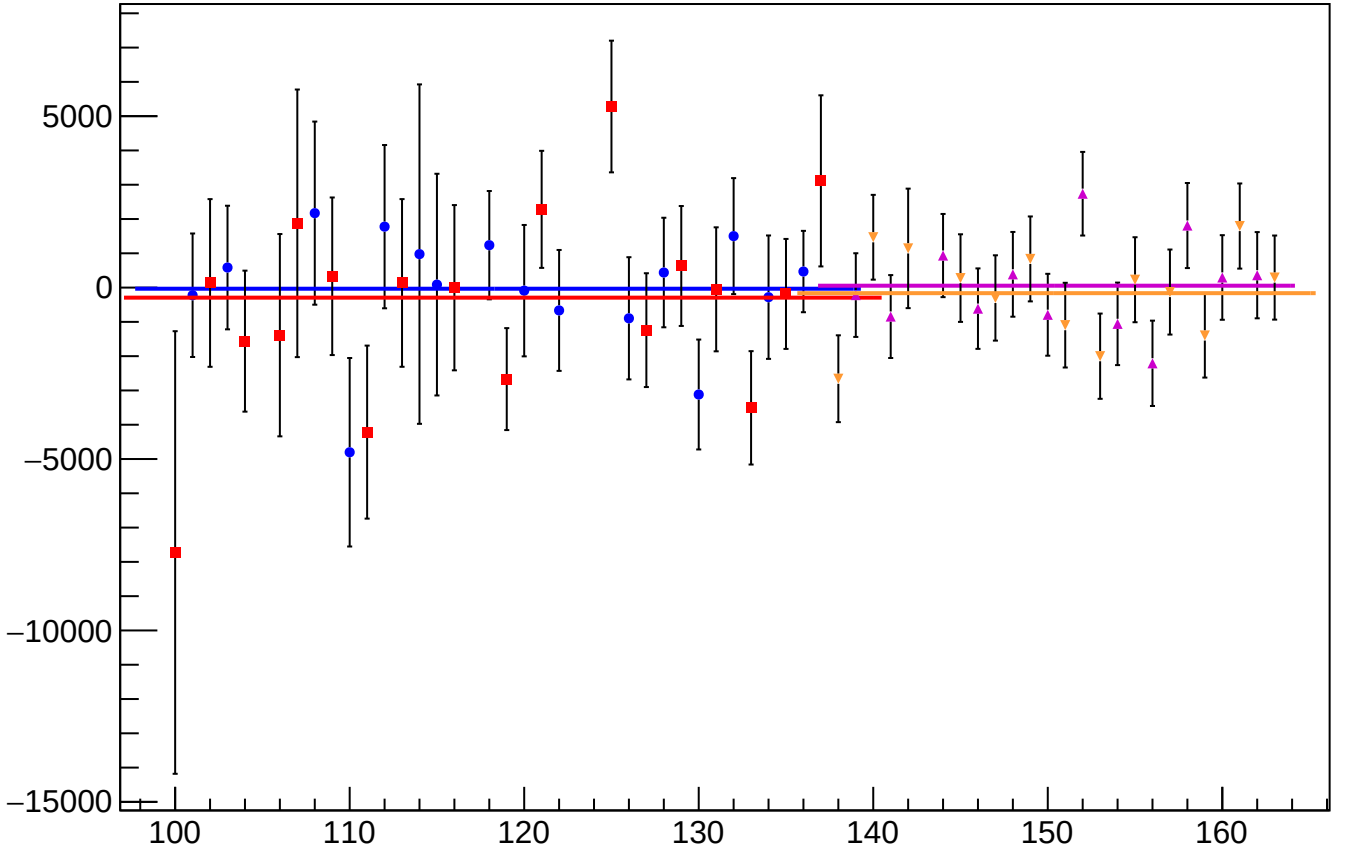
Left In: 527.500+/-0.118 χ^2/NDF:518826.6/11

+ sign 540.747+/-0.094 χ^2/NDF: 2175227.6/28

All: 540.036+/-0.067 χ^2/NDF: 4996419.0/58

- sign 539.320+/-0.095 χ^2/NDF: 2821077.5/29

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.558+/-351.418 χ^2/NDF:13.5/12

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

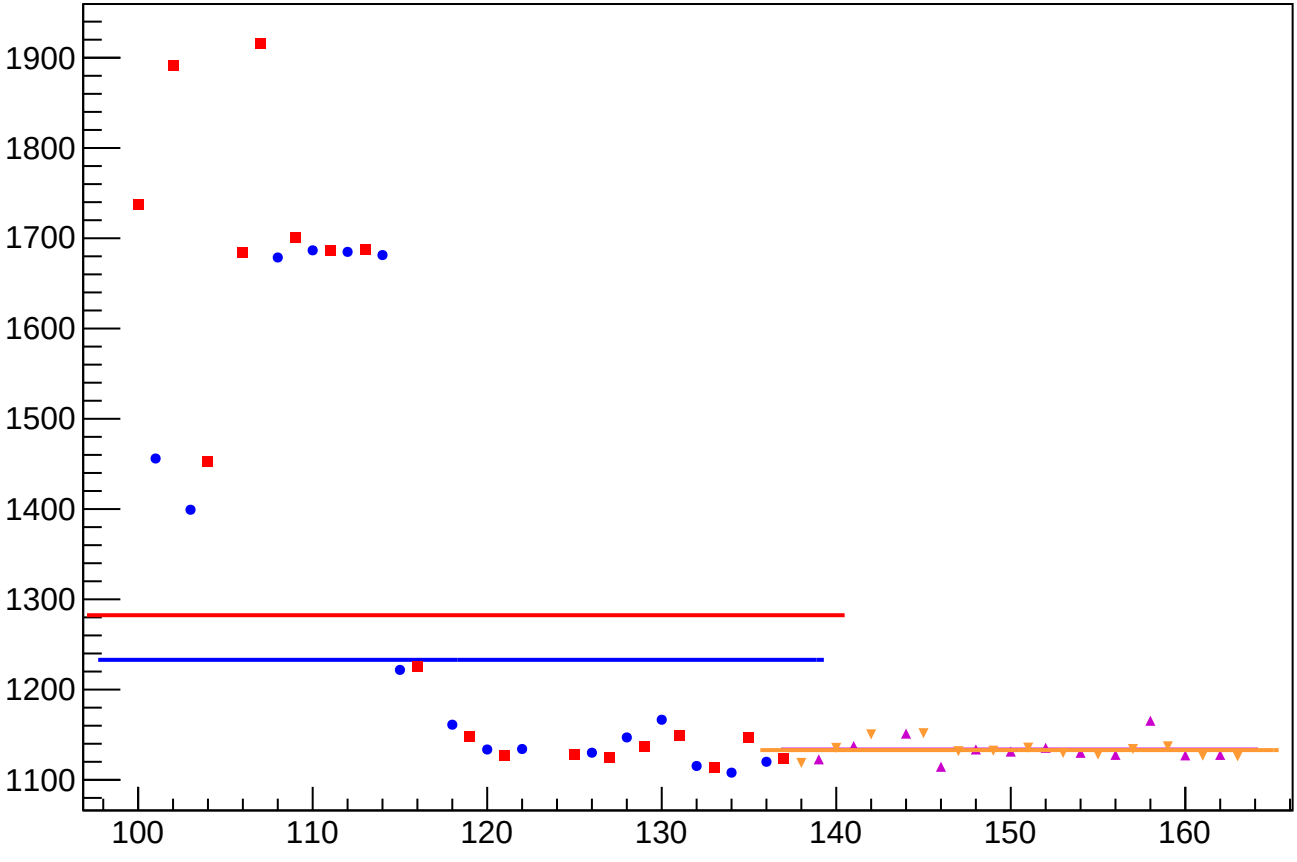
Left In: 55.018+/-352.137 χ^2/NDF:13.1/11

+ sign -115.253+/-279.968 χ^2/NDF: 23.8/28

All: -90.856+/-199.624 χ^2/NDF: 61.5/58

- sign -65.625+/-284.715 χ^2/NDF: 37.7/29

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.0/12

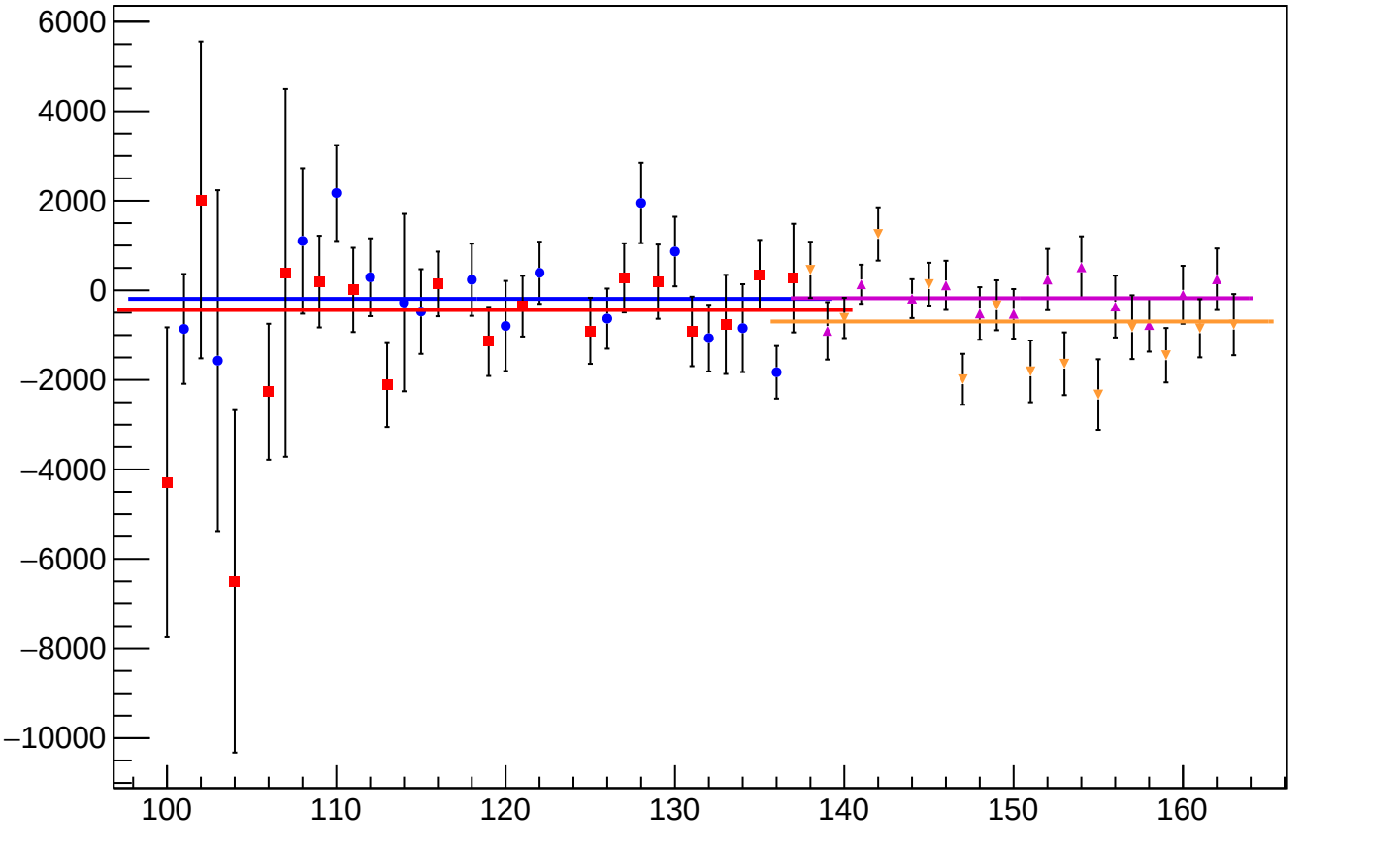
Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1133.560+/-0.249 χ^2/NDF:2626.7/11

+ sign 1169.495+/-0.198 χ^2/NDF: 375714.5/28

All: 1177.167+/-0.141 χ^2/NDF: 1048538.4/58

- sign 1185.102+/-0.201 χ^2/NDF: 669768.4/29



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -696.914+/-166.752 χ^2/NDF:33.2/12

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

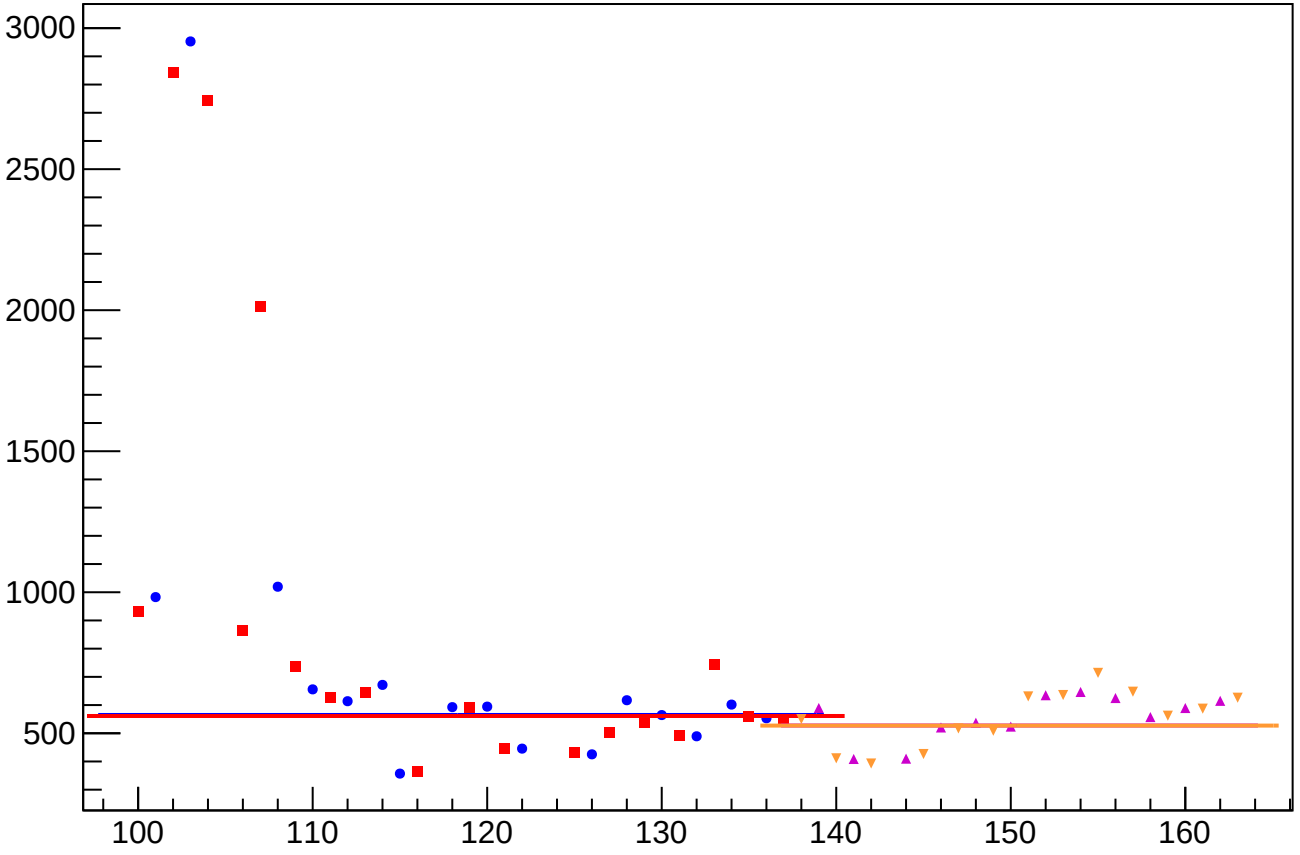
Left In: -177.253+/-166.274 χ^2/NDF:5.7/11

+ sign -515.422+/-133.494 χ^2/NDF: 61.7/28

All: -392.766+/-94.592 χ^2/NDF: 84.6/58

- sign -269.074+/-134.056 χ^2/NDF: 21.2/29

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 527.229+/-0.118 χ^2/NDF:658273.6/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

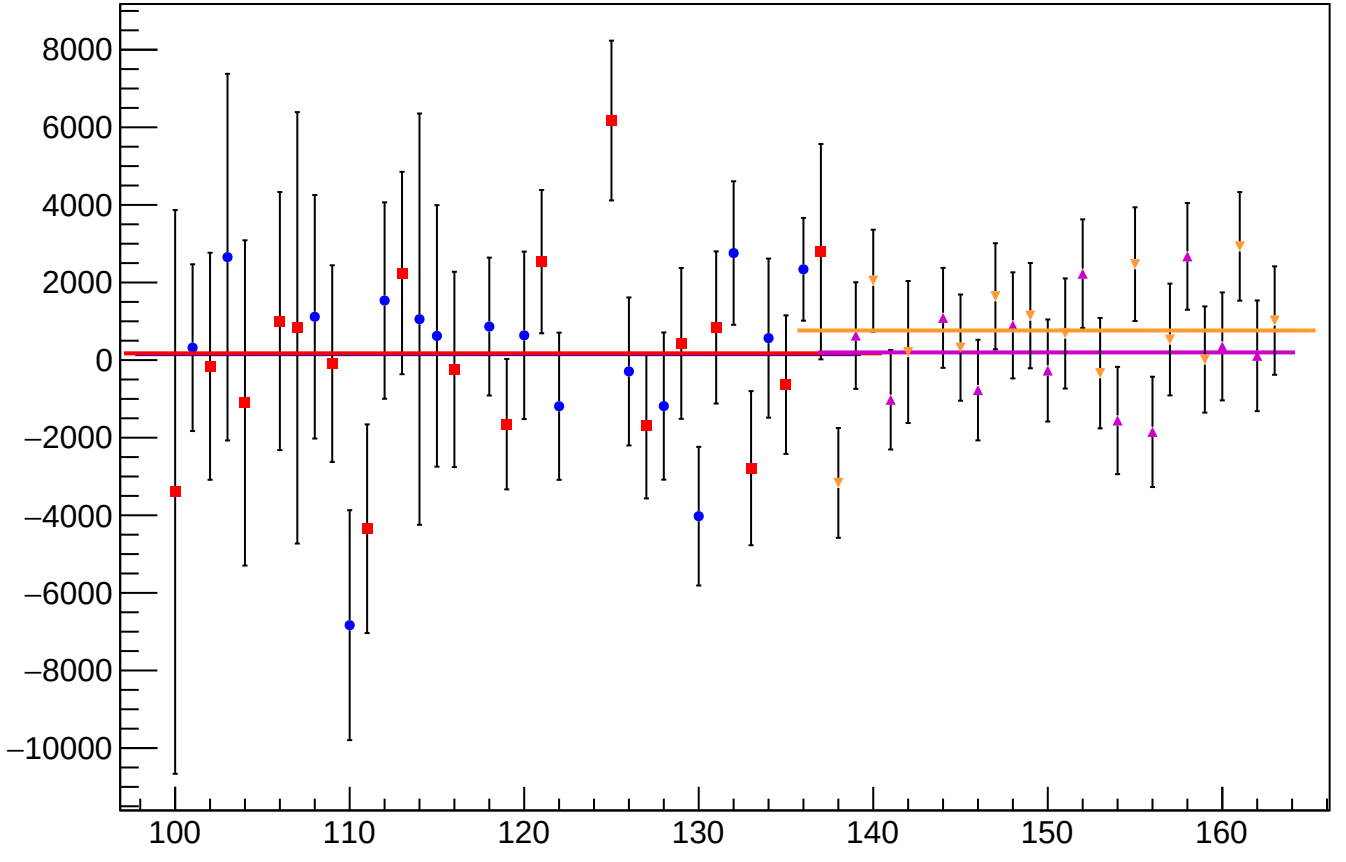
Left In: 527.499+/-0.118 χ^2/NDF:518839.2/11

+ sign 540.747+/-0.094 χ^2/NDF: 2175245.2/28

All: 540.036+/-0.067 χ^2/NDF: 4996450.6/58

- sign 539.319+/-0.095 χ^2/NDF: 2821091.6/29

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 763.417+/-392.728 χ^2/NDF:14.1/12

Right Out: 174.319+/-550.153 χ^2/NDF: 19.7/17

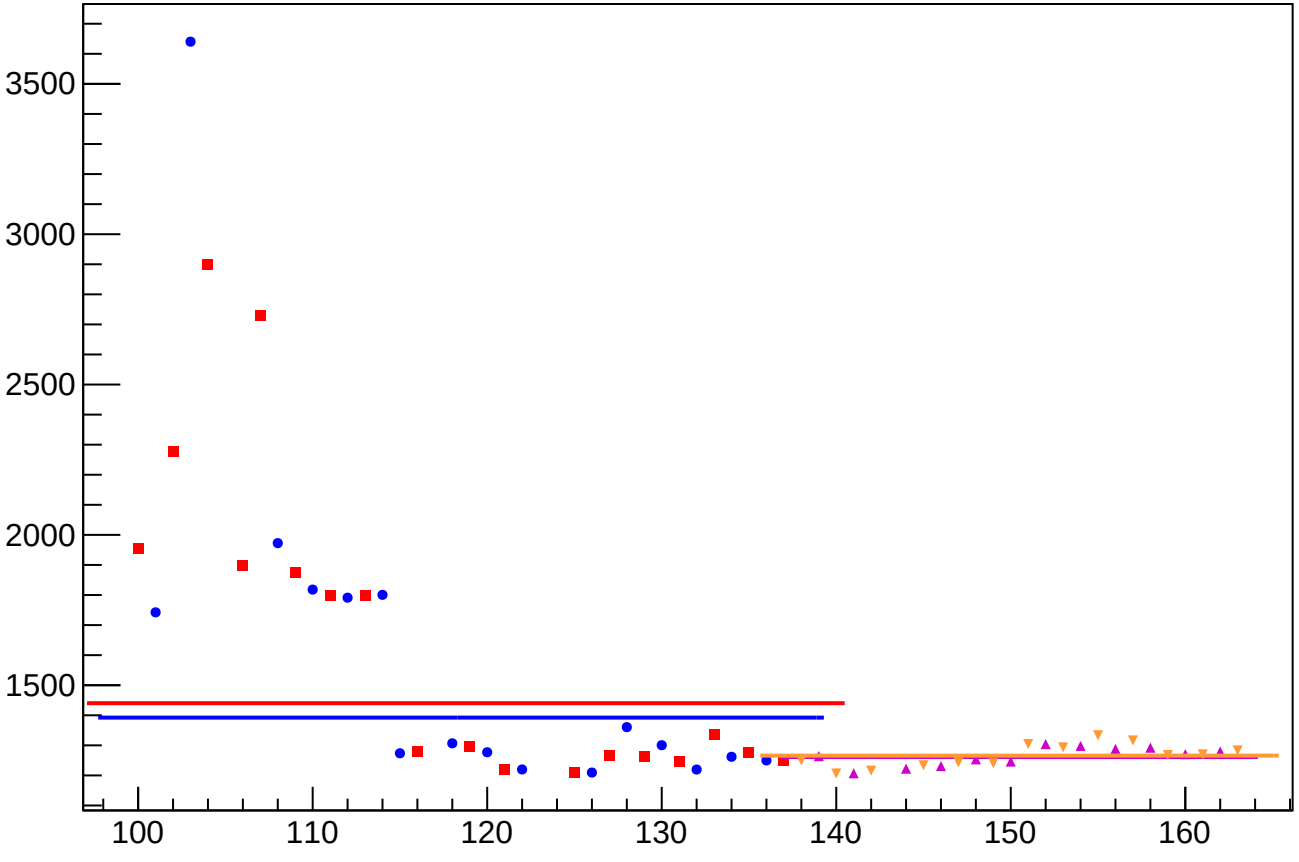
Left In: 198.060+/-391.897 χ^2/NDF:11.5/11

+ sign 548.287+/-315.981 χ^2/NDF: 32.7/28

All: 370.989+/-224.559 χ^2/NDF: 64.5/58

- sign 190.068+/-319.193 χ^2/NDF: 31.1/29

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.830+/-0.278 χ^2/NDF:17424.1/12

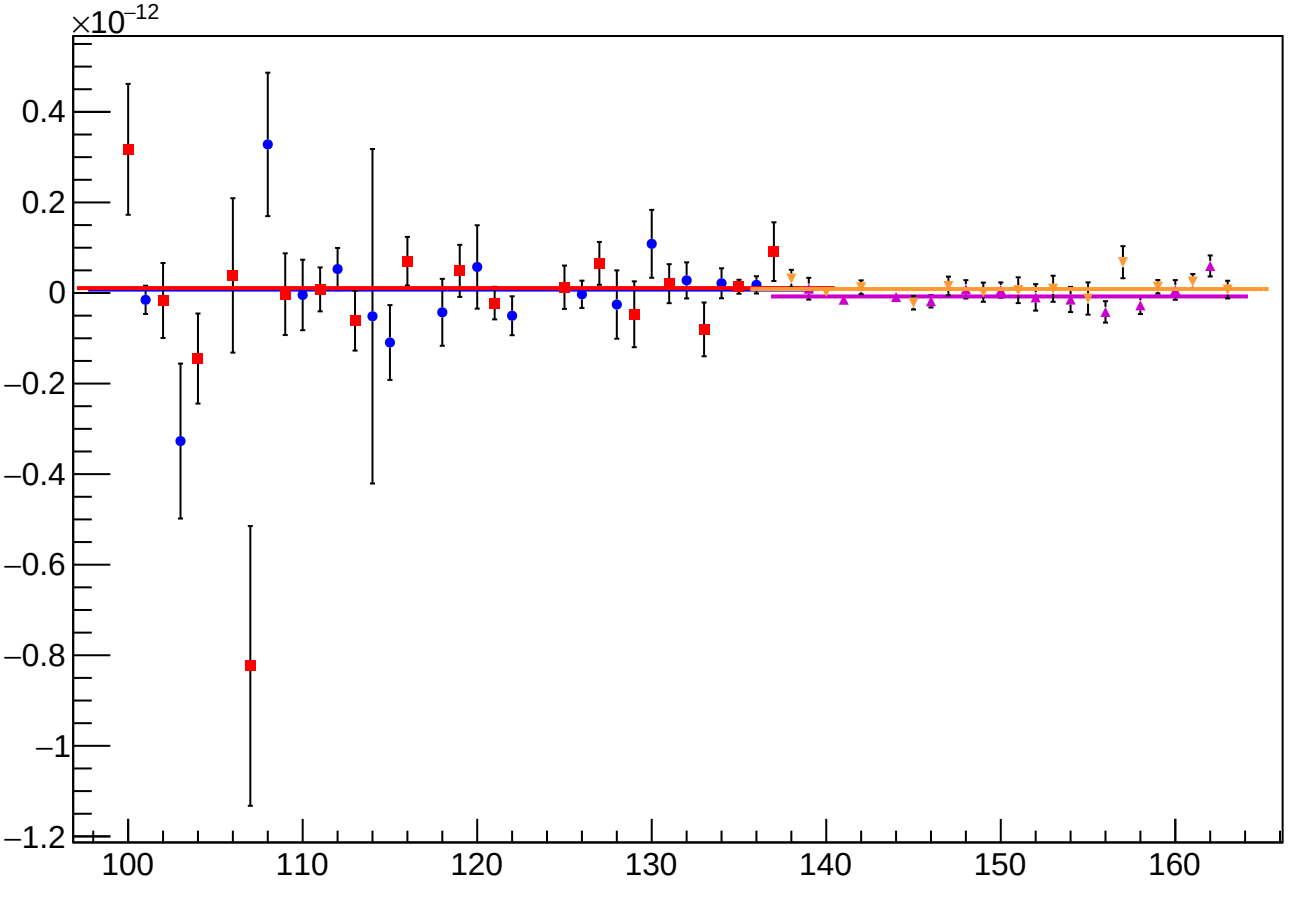
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1261.176+/-0.277 χ^2/NDF:12253.1/11

+ sign 1310.429+/-0.223 χ^2/NDF: 869804.8/28

All: 1315.882+/-0.159 χ^2/NDF: 1878672.2/58

- sign 1321.447+/-0.226 χ^2/NDF: 1007663.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/12

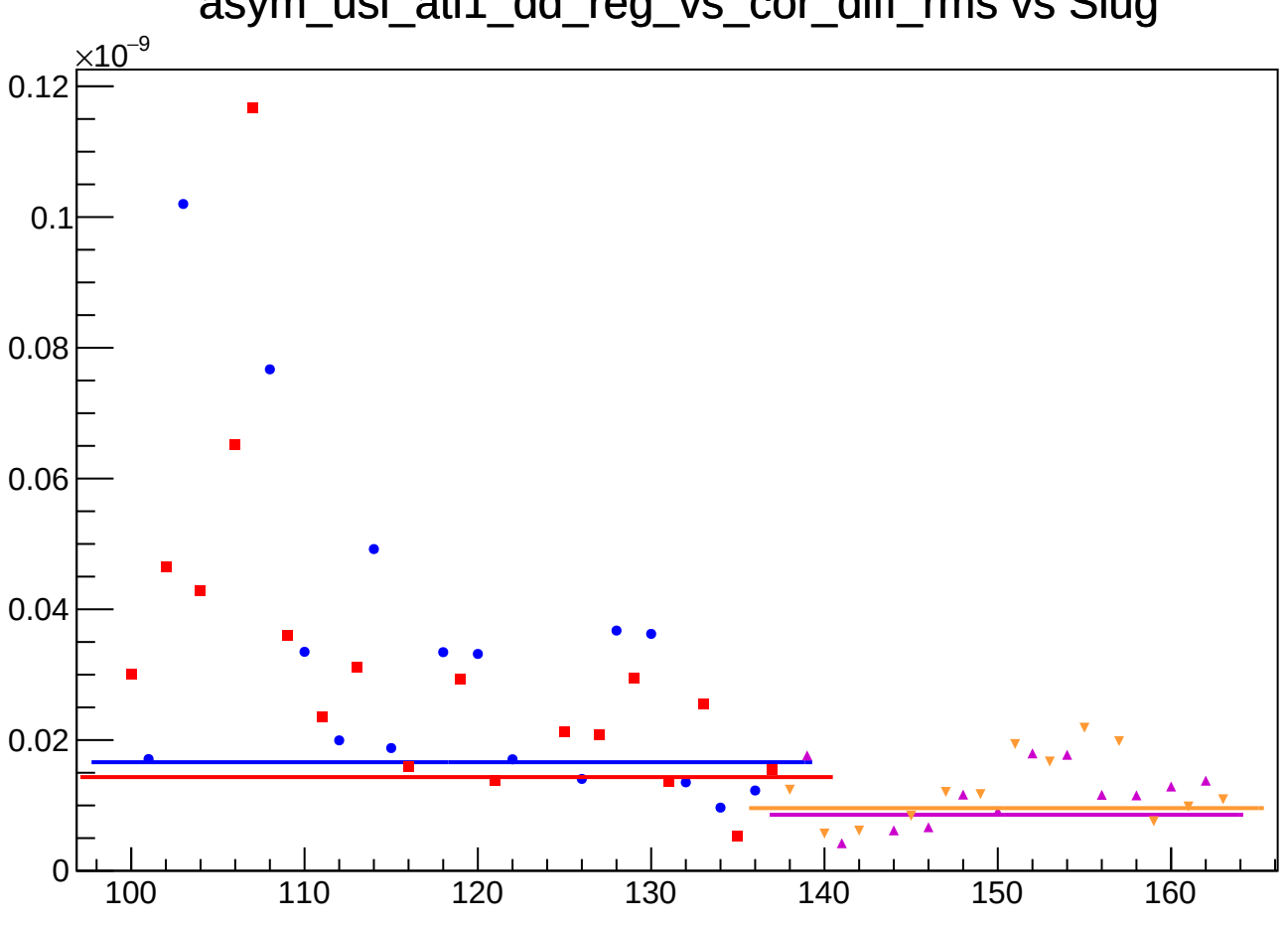
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/28

All: 0.000+/-0.000 χ^2/NDF: 73.1/58

- sign -0.000+/-0.000 χ^2/NDF: 41.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262664.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

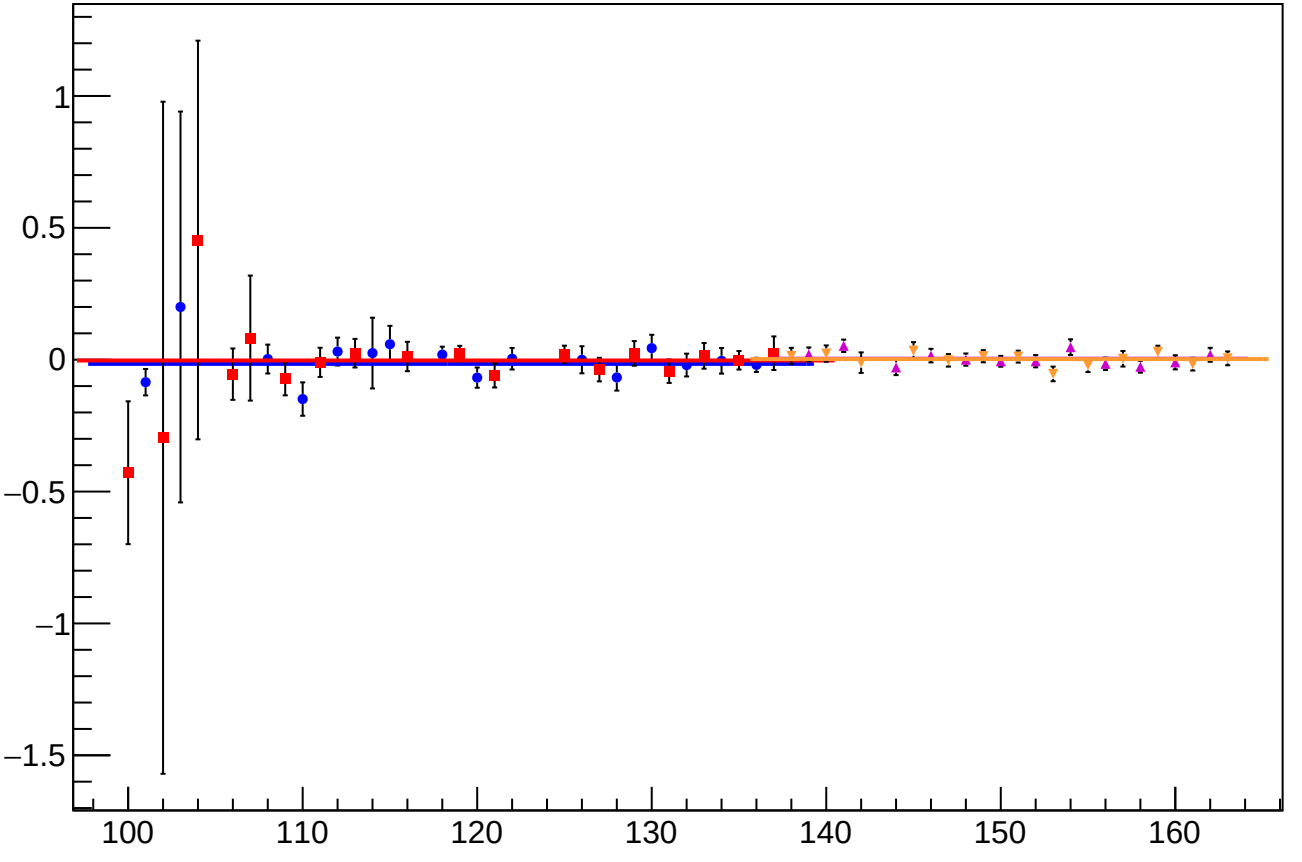
Left In: 0.000+/-0.000 χ^2/NDF:1589923.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3522280.0/28

All: 0.000+/-0.000 χ^2/NDF: 7947142.9/58

- sign 0.000+/-0.000 χ^2/NDF: 4340249.2/29

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

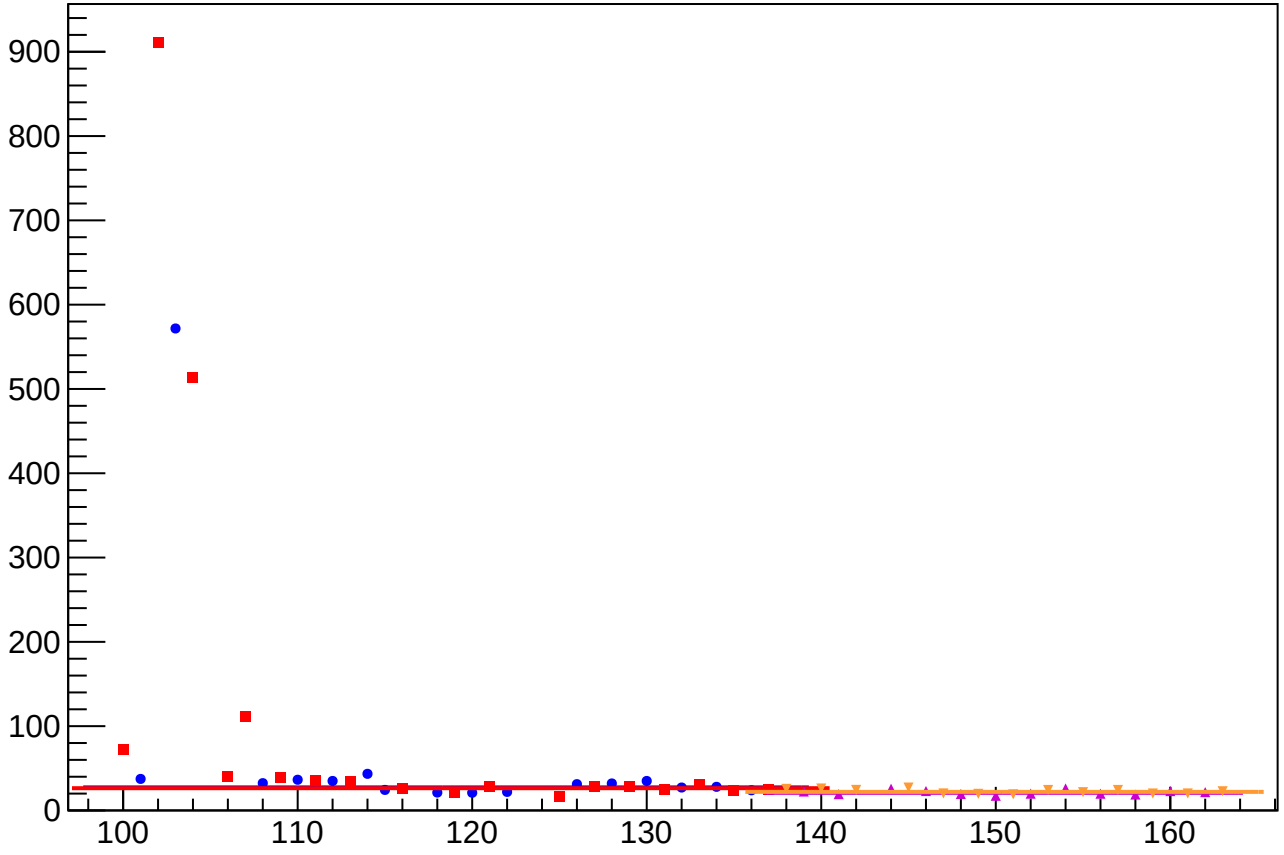
Left In: 0.004+/-0.007 χ^2/NDF:11.9/11

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: -0.000+/-0.004 χ^2/NDF: 47.8/58

- sign 0.002+/-0.006 χ^2/NDF: 22.0/29

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: 22.048+/-0.005 χ^2/NDF:234973.2/12

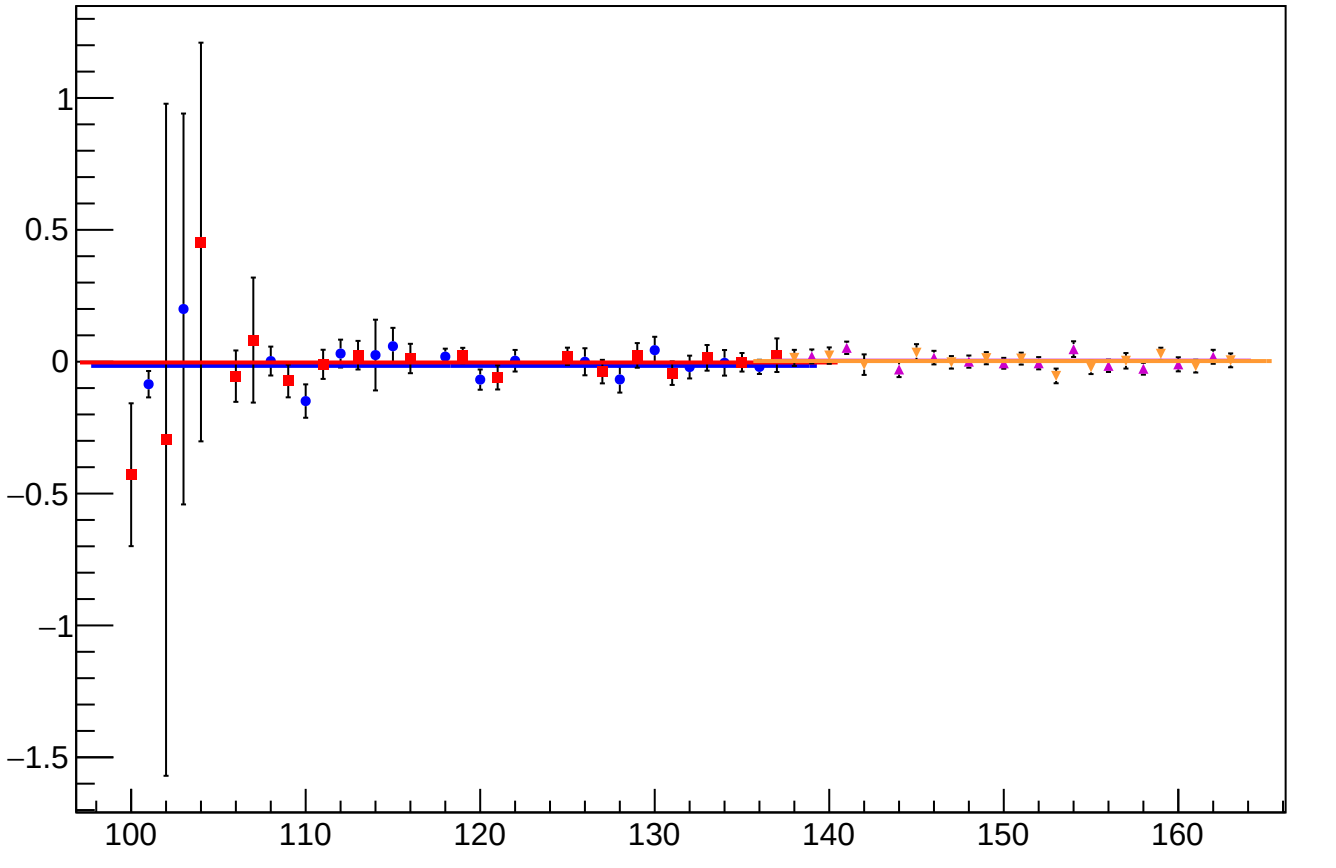
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248738.0/11

\+ sign 23.575+/-0.004 χ^2/NDF: 2096799.3/28

All: 22.947+/-0.003 χ^2/NDF: 5308280.0/58

\- sign 22.340+/-0.004 χ^2/NDF: 3171472.7/29



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

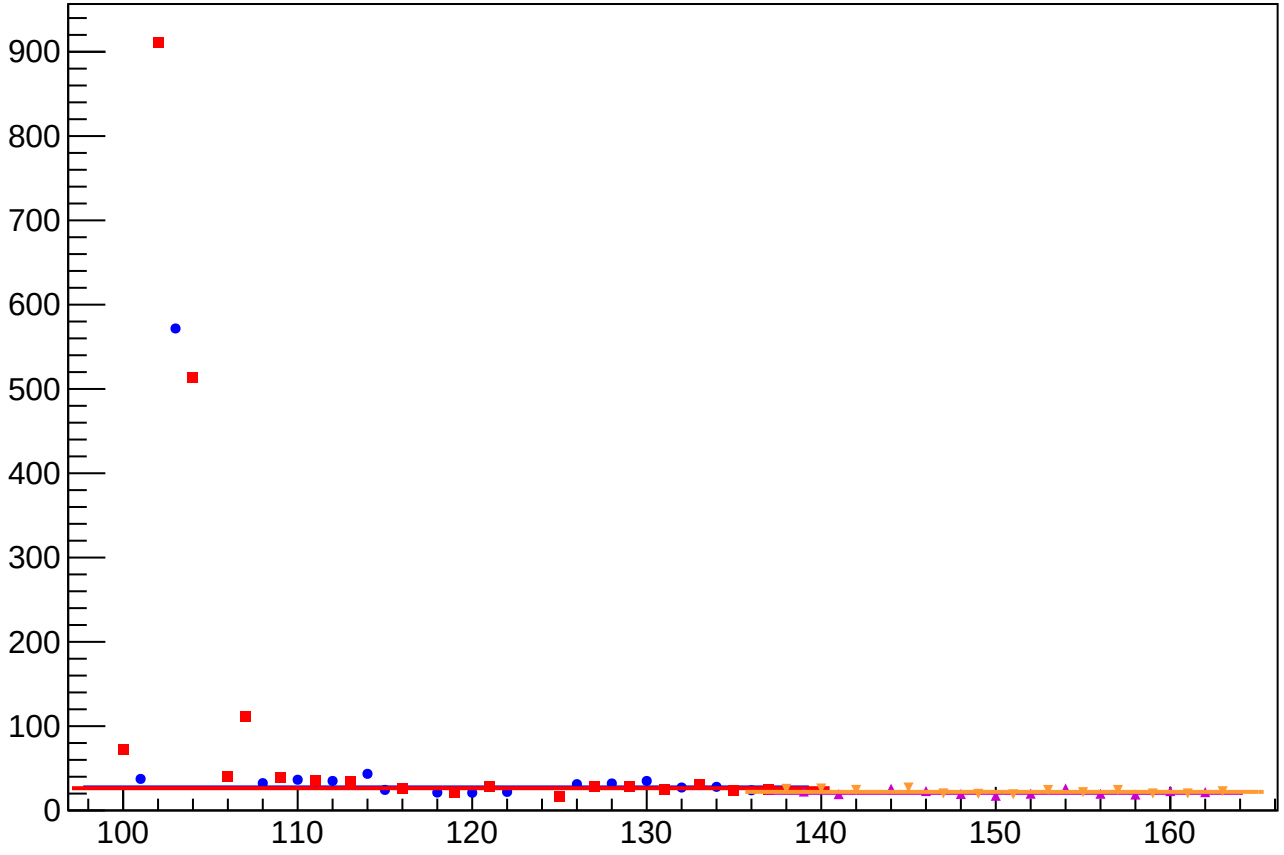
Left In: 0.004+/-0.007 χ^2/NDF:11.9/11

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: -0.000+/-0.004 χ^2/NDF: 47.8/58

- sign 0.002+/-0.006 χ^2/NDF: 22.0/29

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: 22.048+/-0.005 χ^2/NDF:234973.2/12

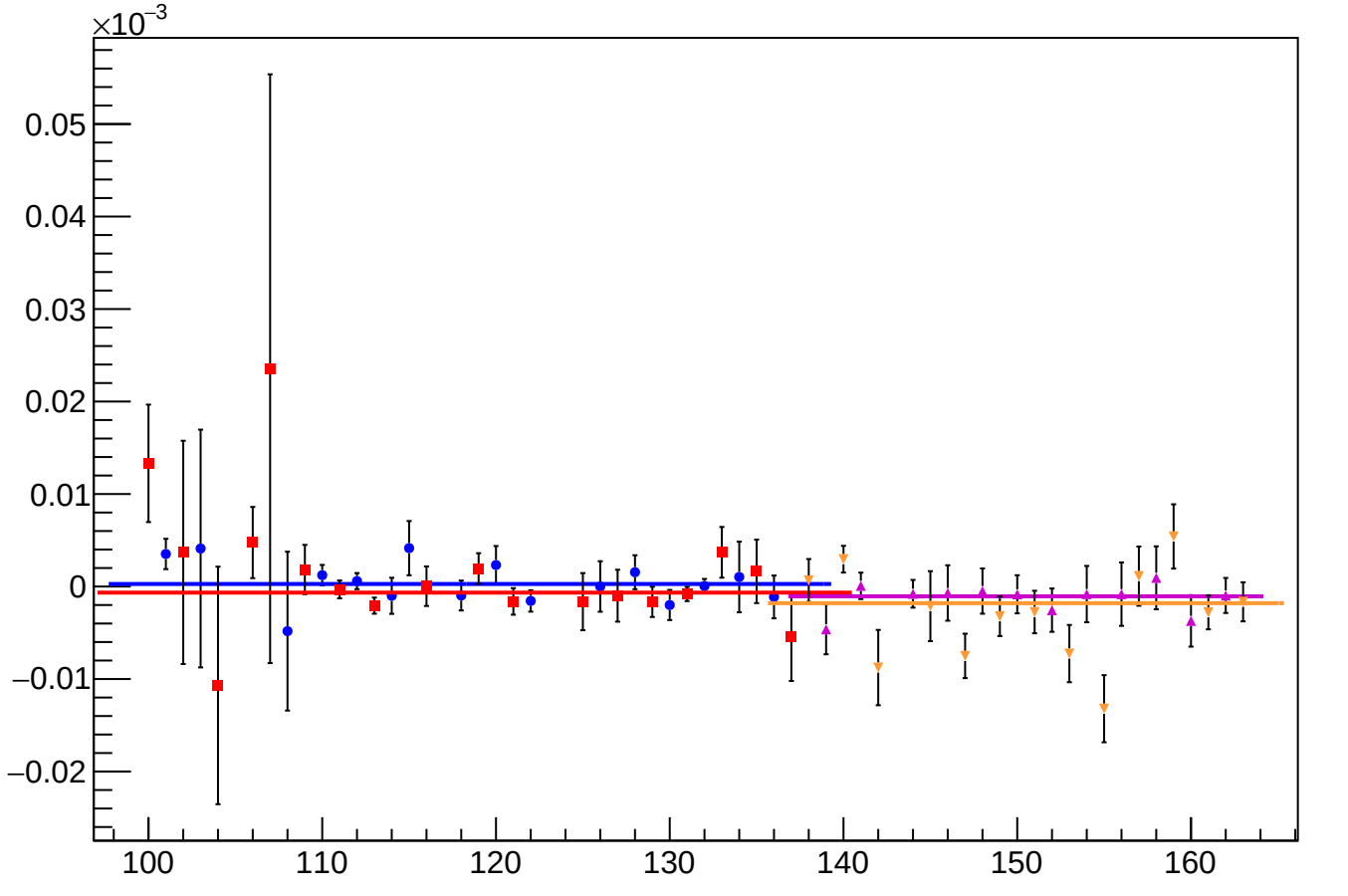
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248738.0/11

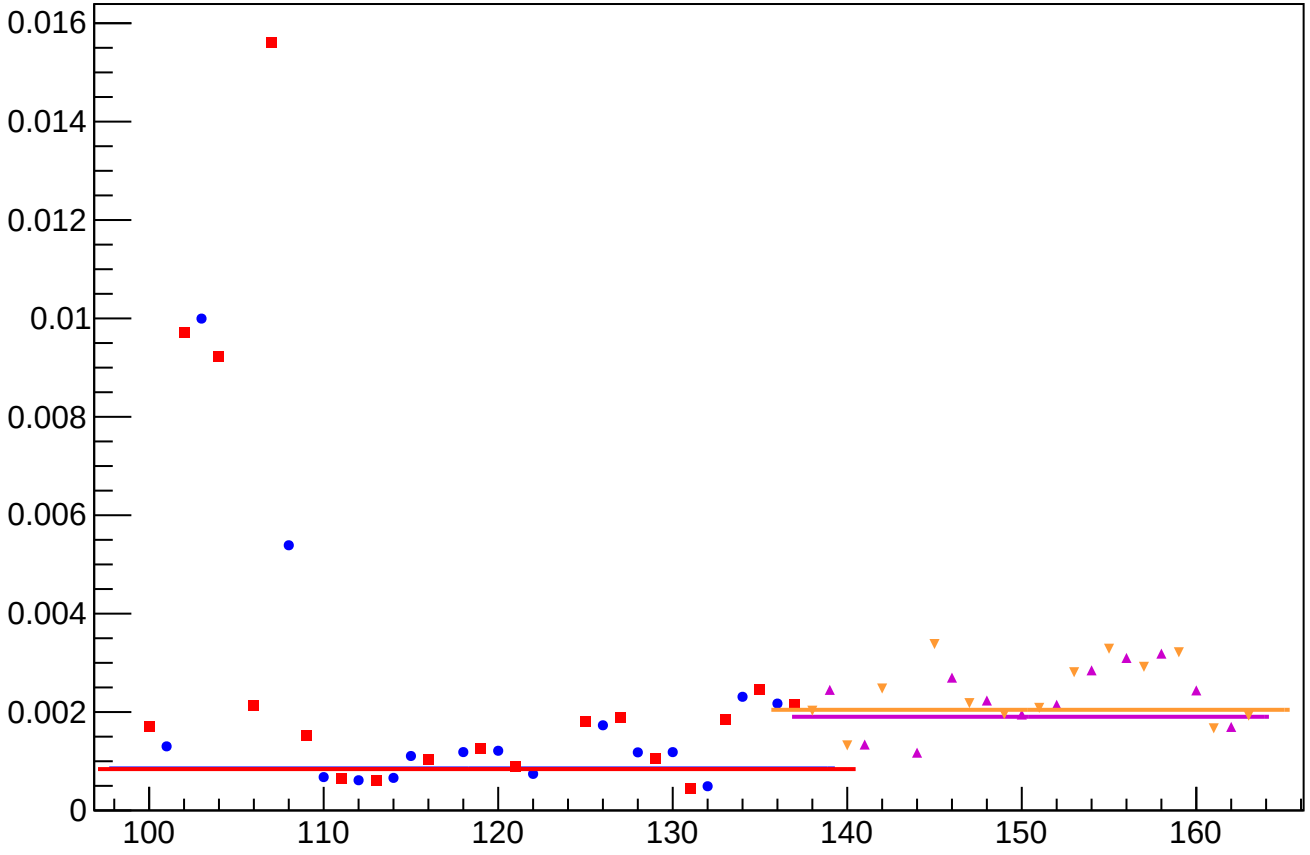
+ sign 23.575+/-0.004 χ^2/NDF: 2096799.3/28

All: 22.947+/-0.003 χ^2/NDF: 5308280.0/58

- sign 22.340+/-0.004 χ^2/NDF: 3171472.7/29


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:39.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:4.2/11
+ sign -0.000+/-0.000 χ²/NDF: 61.3/28
All: -0.000+/-0.000 χ²/NDF: 86.4/58
- sign -0.000+/-0.000 χ²/NDF: 23.7/29

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:1604888.5/12

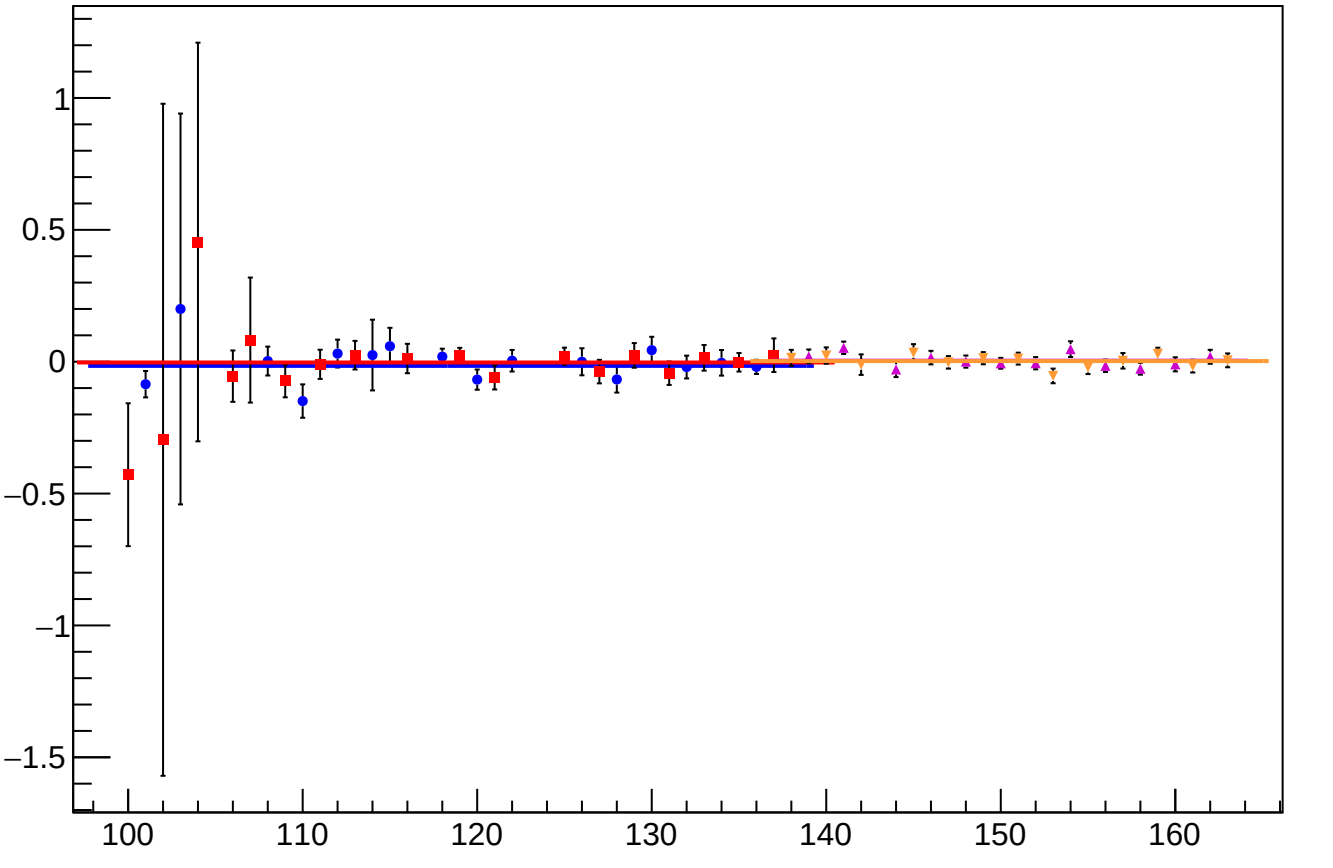
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1886853.9/11

+ sign 0.001+/-0.000 χ^2/NDF: 10329634.0/28

All: 0.001+/-0.000 χ^2/NDF: 21248384.2/58

- sign 0.001+/-0.000 χ^2/NDF: 10918697.0/29



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

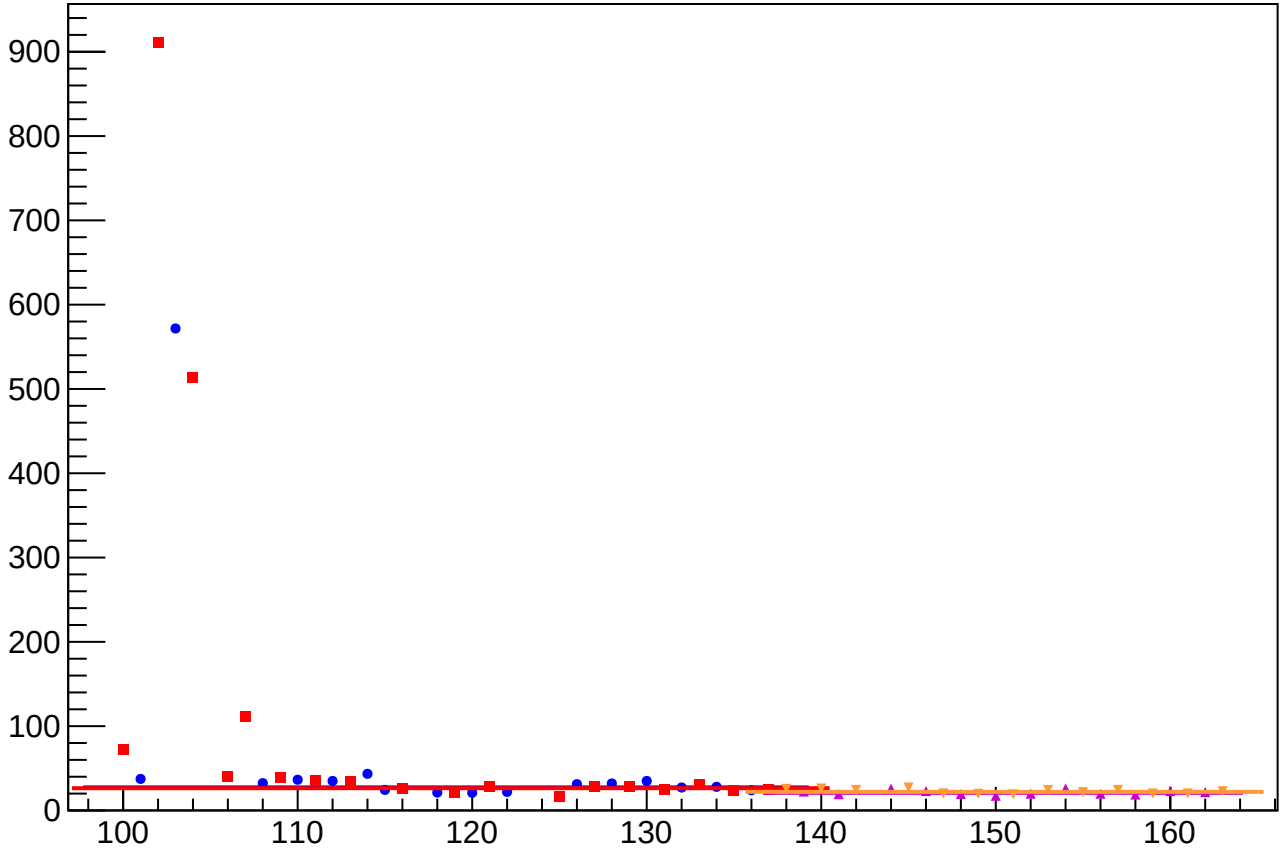
Left In: 0.004+/-0.007 χ^2/NDF:11.9/11

\+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: -0.000+/-0.004 χ^2/NDF: 47.8/58

\- sign 0.002+/-0.006 χ^2/NDF: 22.0/29

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.048+/-0.005 χ^2/NDF:234942.5/12

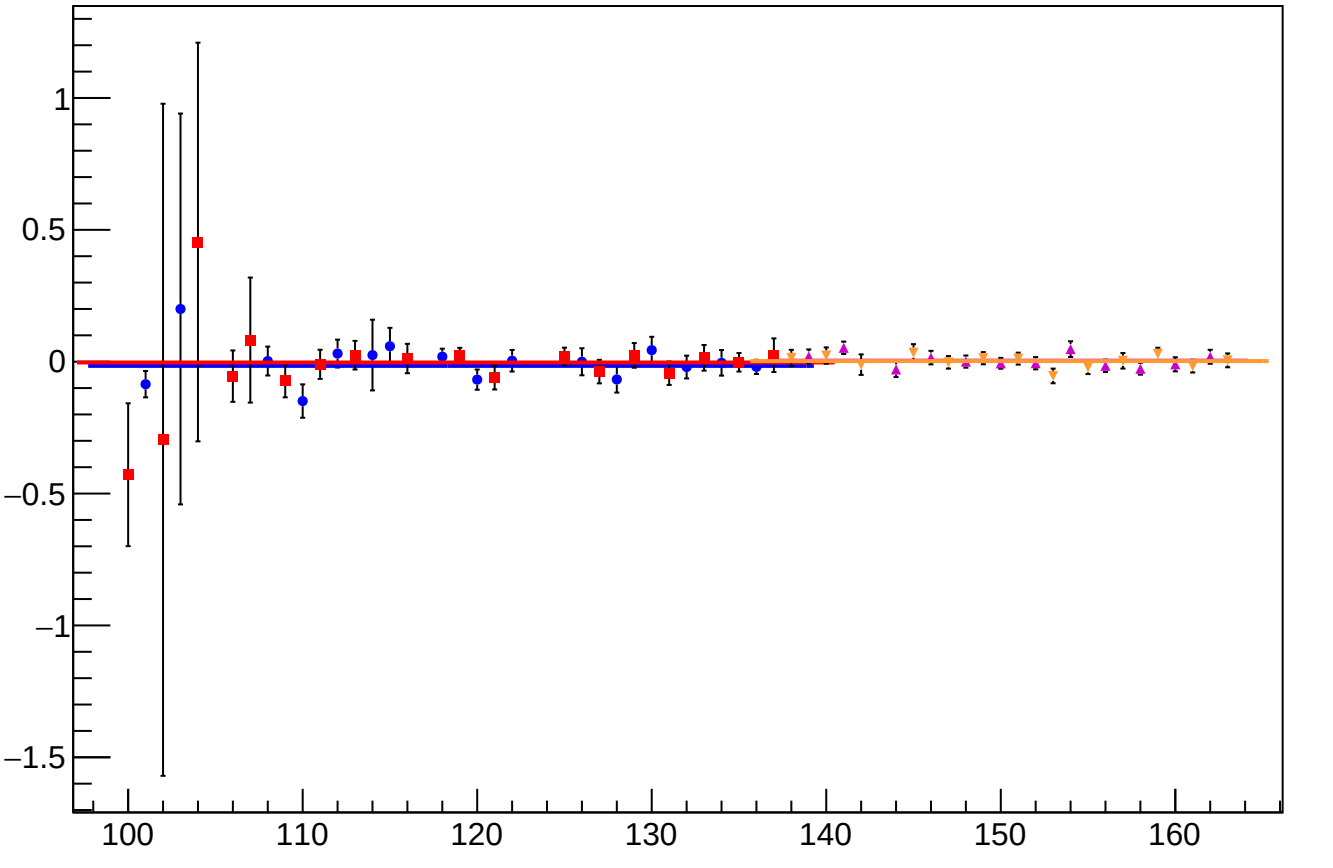
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248753.9/11

\+ sign 23.575+/-0.004 χ^2/NDF: 2096770.6/28

All: 22.947+/-0.003 χ^2/NDF: 5308287.2/58

\- sign 22.340+/-0.004 χ^2/NDF: 3171509.9/29



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

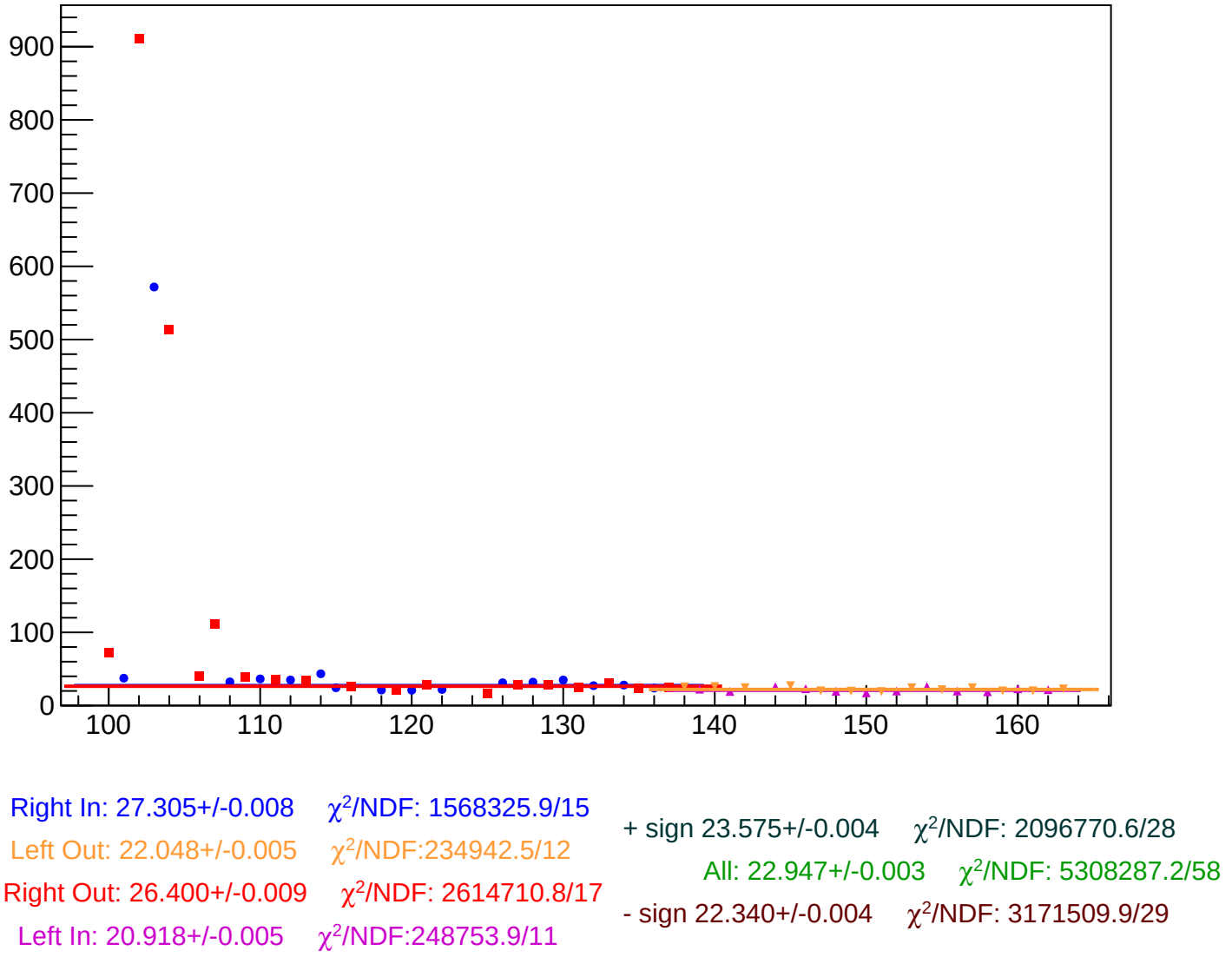
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.004+/-0.007 χ^2/NDF:11.9/11

+ sign -0.003+/-0.006 χ^2/NDF: 25.5/28

All: -0.000+/-0.004 χ^2/NDF: 47.8/58

- sign 0.002+/-0.006 χ^2/NDF: 22.0/29


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
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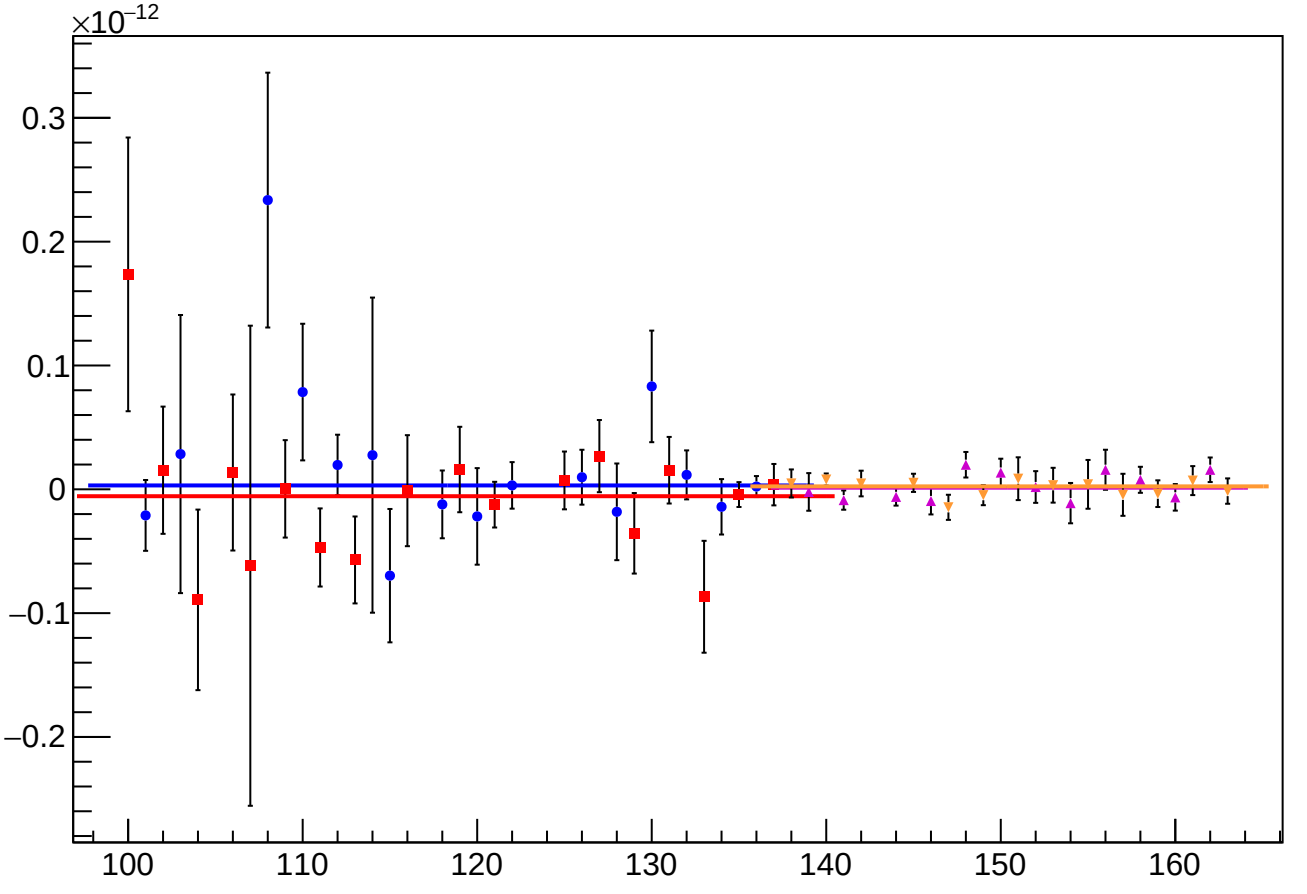
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 27.305+/-0.008 χ²/NDF: 1568325.9/15
Left Out: 22.048+/-0.005 χ²/NDF:234942.5/12
Right Out: 26.400+/-0.009 χ²/NDF: 2614710.8/17
Left In: 20.918+/-0.005 χ²/NDF:248753.9/11
+ sign 23.575+/-0.004 χ²/NDF: 2096770.6/28
All: 22.947+/-0.003 χ²/NDF: 5308287.2/58
- sign 22.340+/-0.004 χ²/NDF: 3171509.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/12

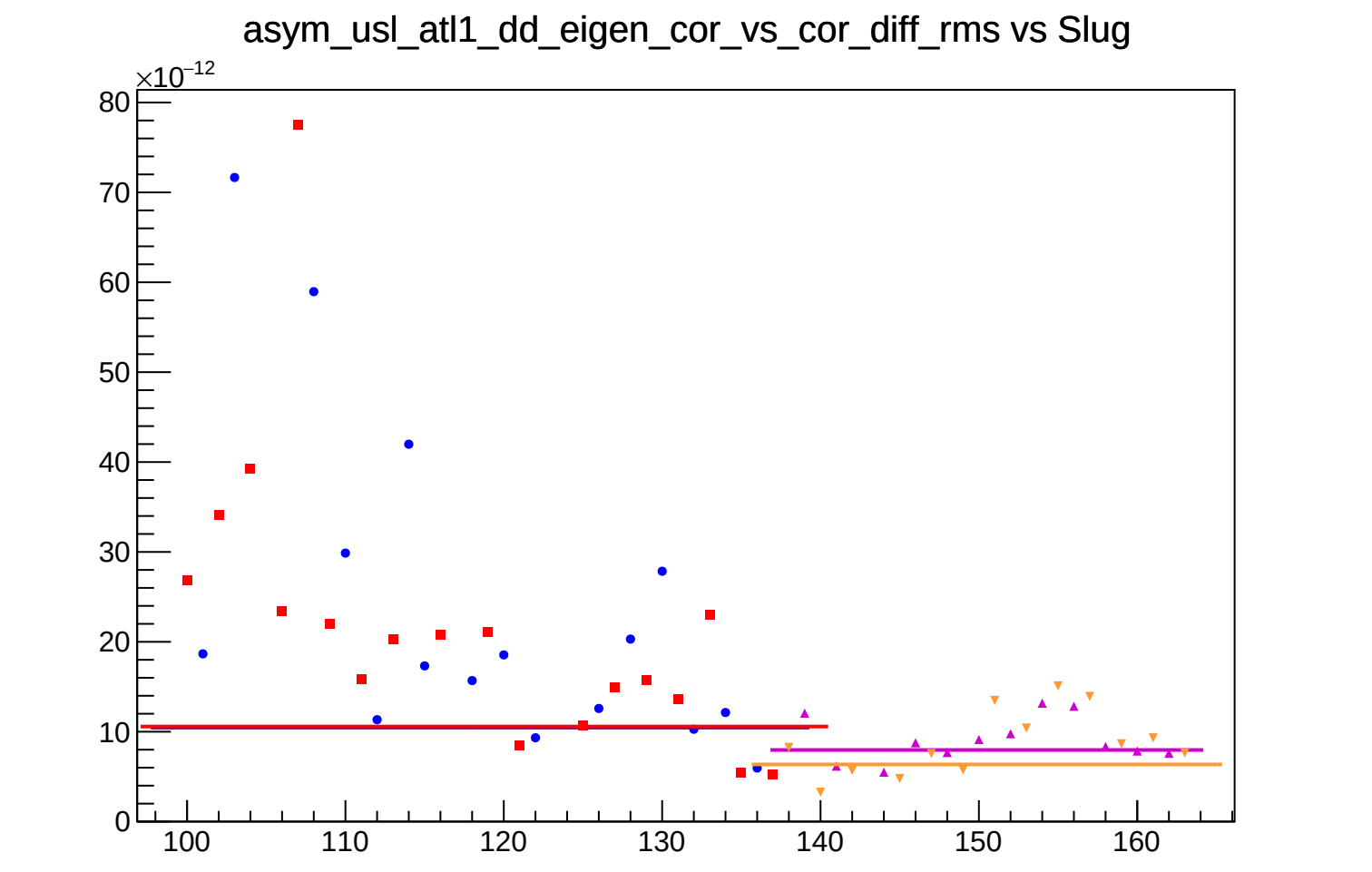
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 21.0/28

All: 0.000+/-0.000 χ^2/NDF: 50.4/58

- sign -0.000+/-0.000 χ^2/NDF: 28.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2531268.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

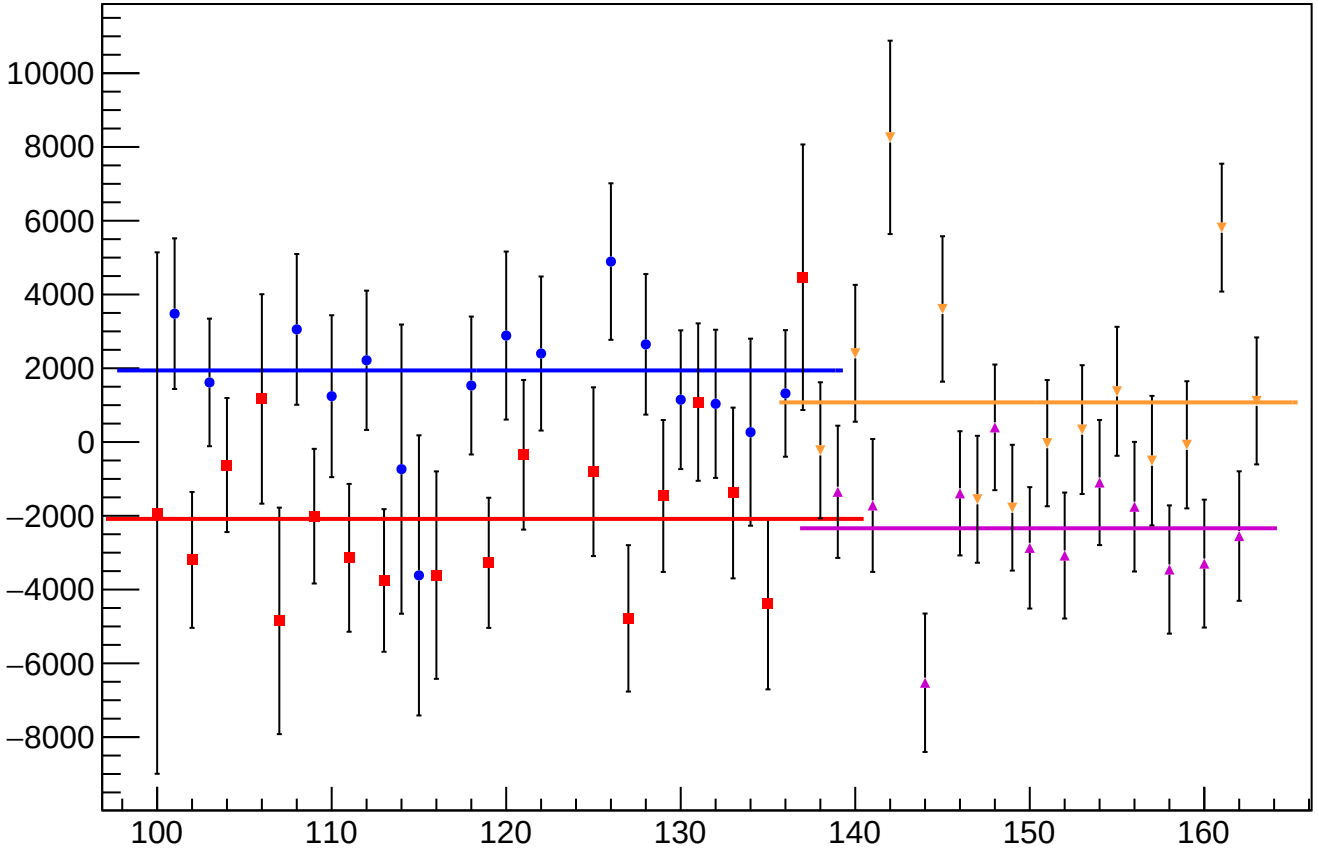
Left In: 0.000+/-0.000 χ^2/NDF:960931.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 6167325.0/28

All: 0.000+/-0.000 χ^2/NDF: 10492314.7/58

- sign 0.000+/-0.000 χ^2/NDF: 4026461.5/29

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.315+/-500.261 χ^2/NDF:24.7/12

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

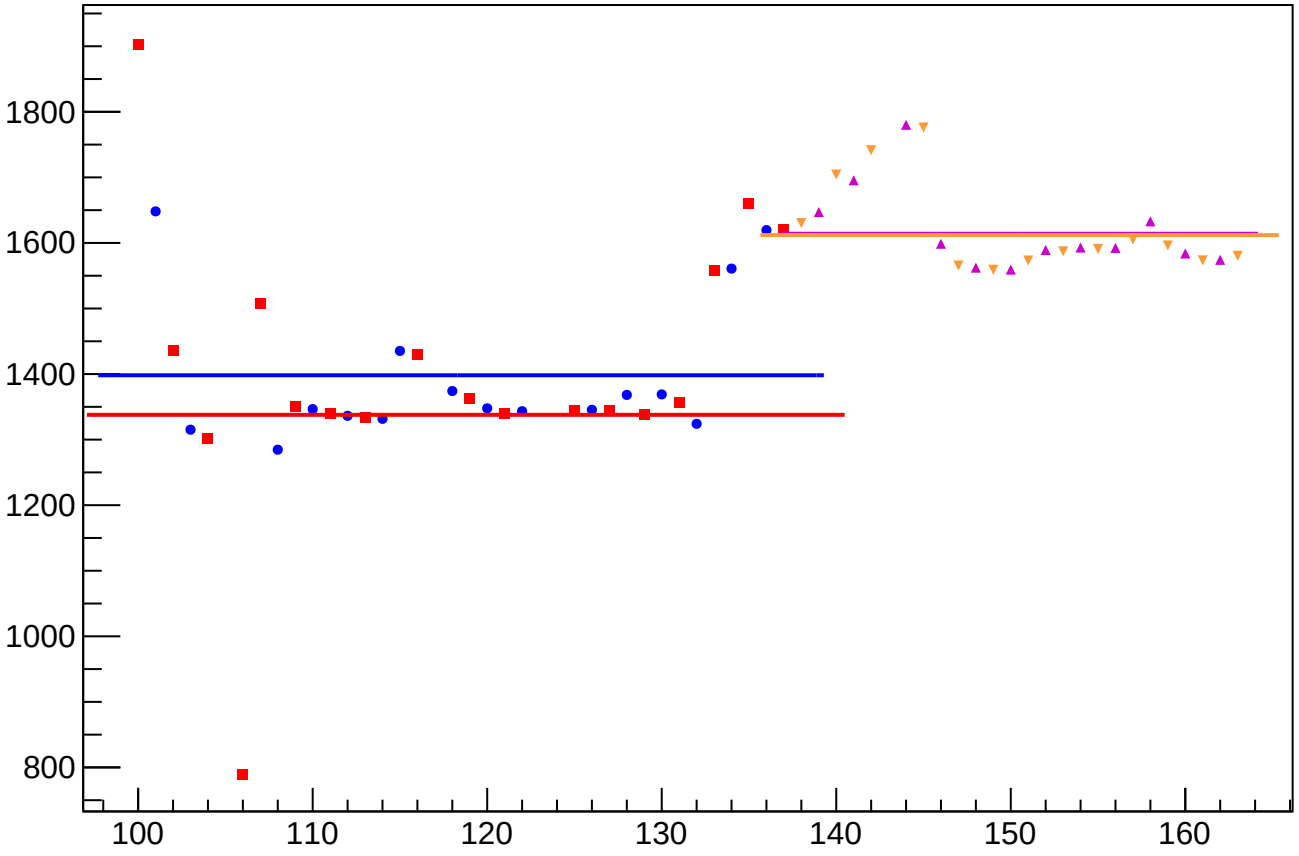
Left In: -2338.302+/-501.745 χ^2/NDF:10.0/11

+ sign 1489.601+/-361.236 χ^2/NDF: 33.0/28

All: -364.561+/-255.324 χ^2/NDF: 110.2/58

- sign -2215.568+/-360.929 χ^2/NDF: 24.6/29

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

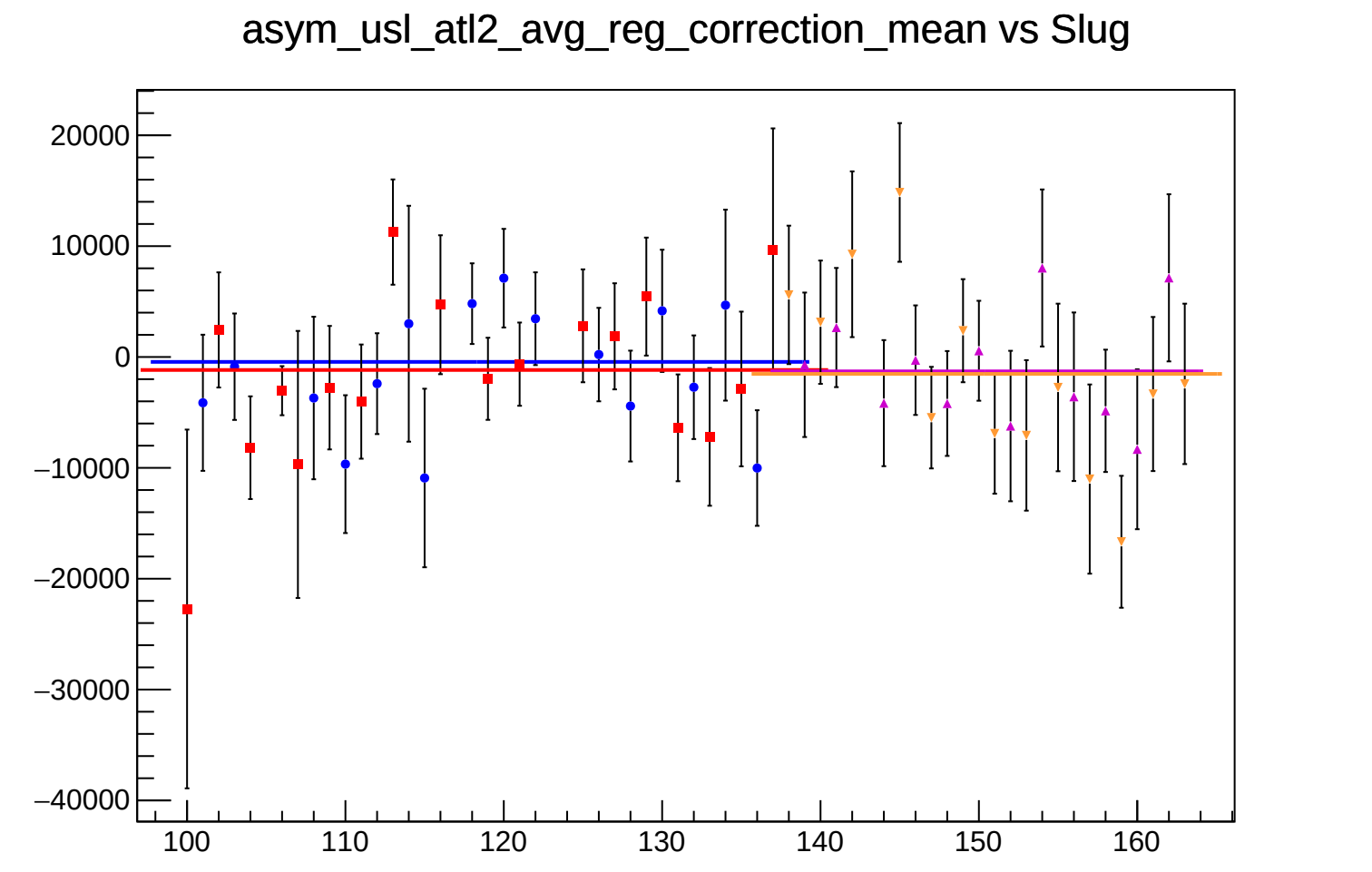
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

\+ sign 1509.640+/-0.255 χ^2/NDF: 299601.0/28

All: 1492.719+/-0.179 χ^2/NDF: 955611.7/58

\- sign 1476.346+/-0.251 χ^2/NDF: 647376.3/29



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -1525.199+/-1689.633 χ^2/NDF:21.9/12

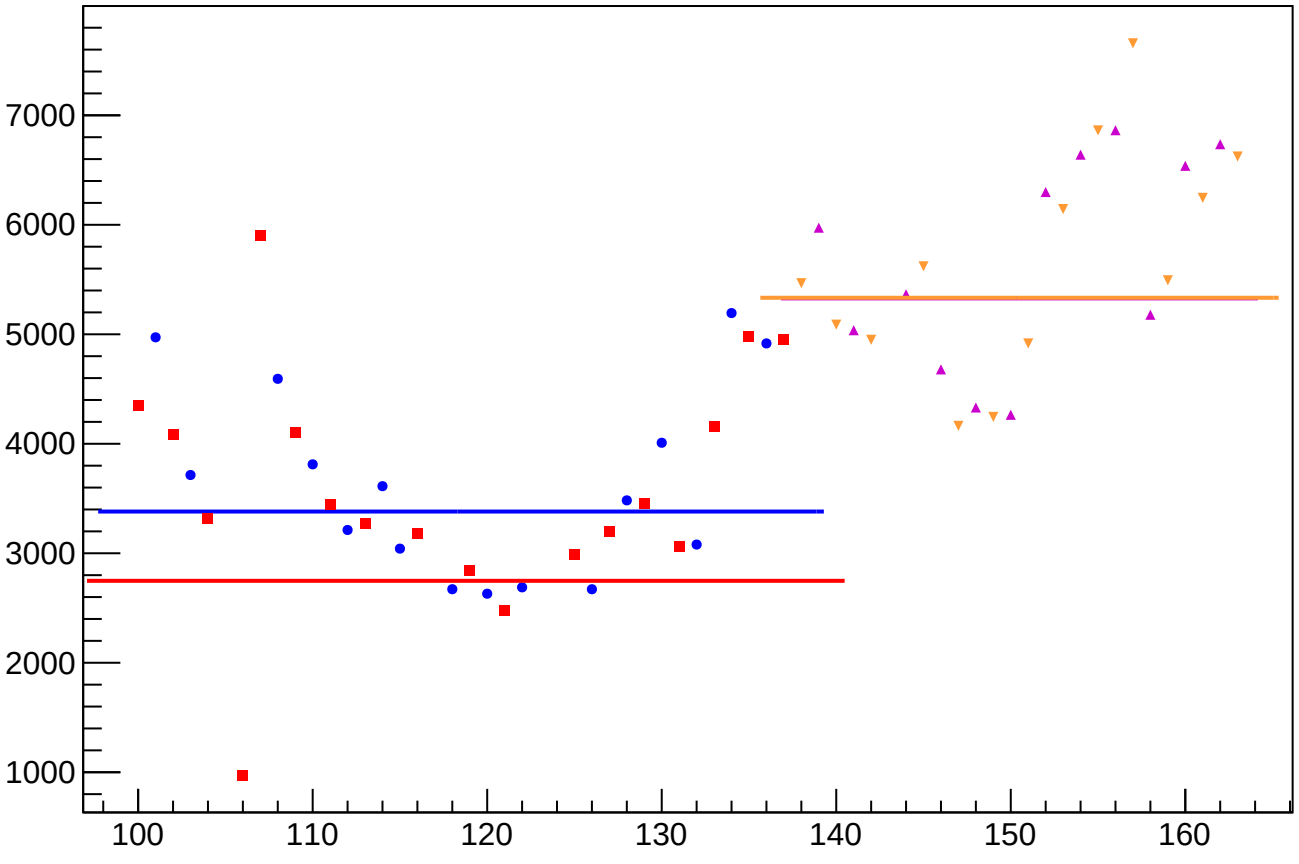
Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: -1293.289+/-1684.088 χ^2/NDF:6.4/11

\+ sign -842.652+/-1028.291 χ^2/NDF: 38.0/28

All: -1043.607+/-690.778 χ^2/NDF: 64.1/58

\- sign -1208.876+/-932.529 χ^2/NDF: 26.0/29



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5333.533+/-1.195 χ^2/NDF:624168.8/12

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

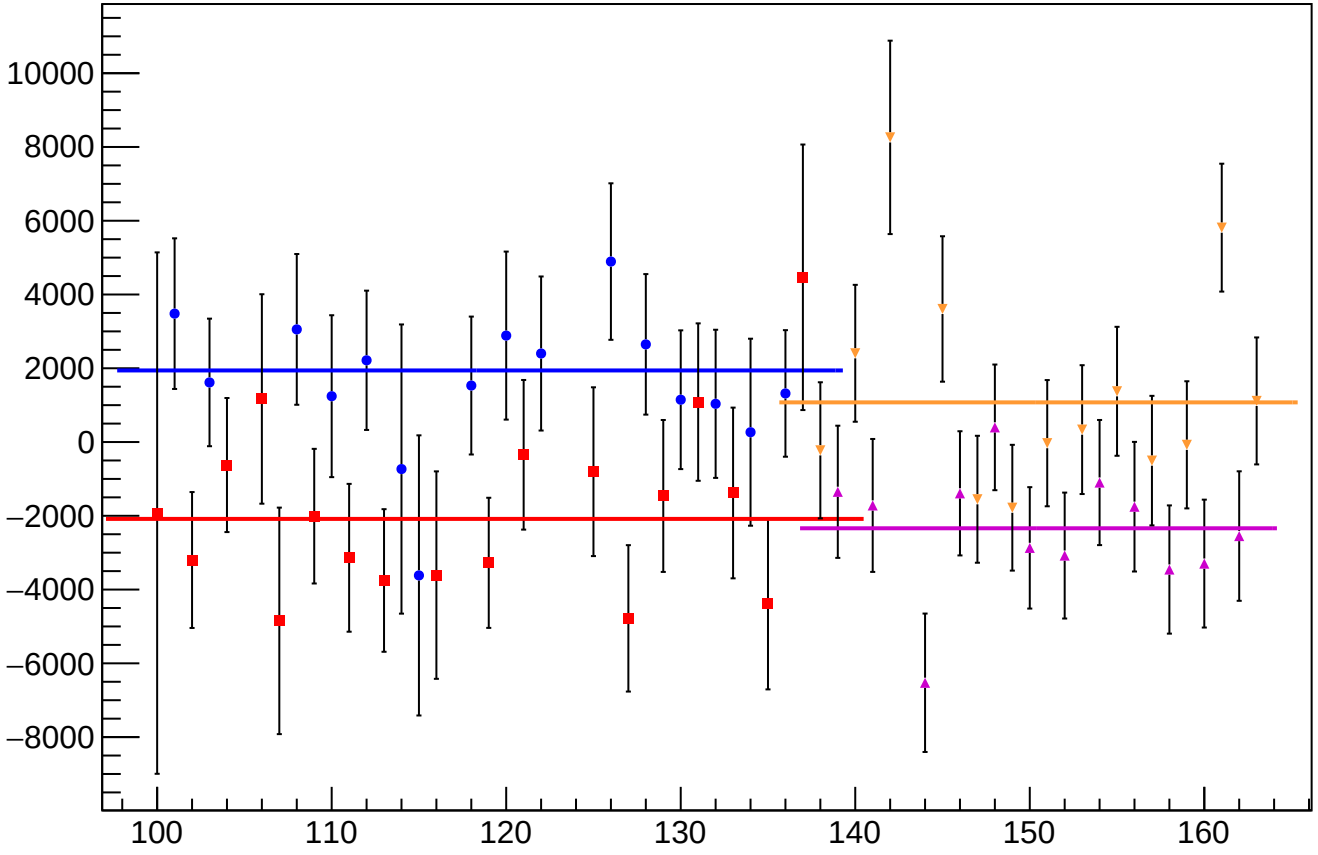
Left In: 5327.608+/-1.191 χ^2/NDF:578941.2/11

\+ sign 4104.253+/-0.727 χ^2/NDF: 3062705.2/28

All: 3794.200+/-0.488 χ^2/NDF: 9490377.1/58

\- sign 3539.207+/-0.659 χ^2/NDF: 6096298.1/29

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

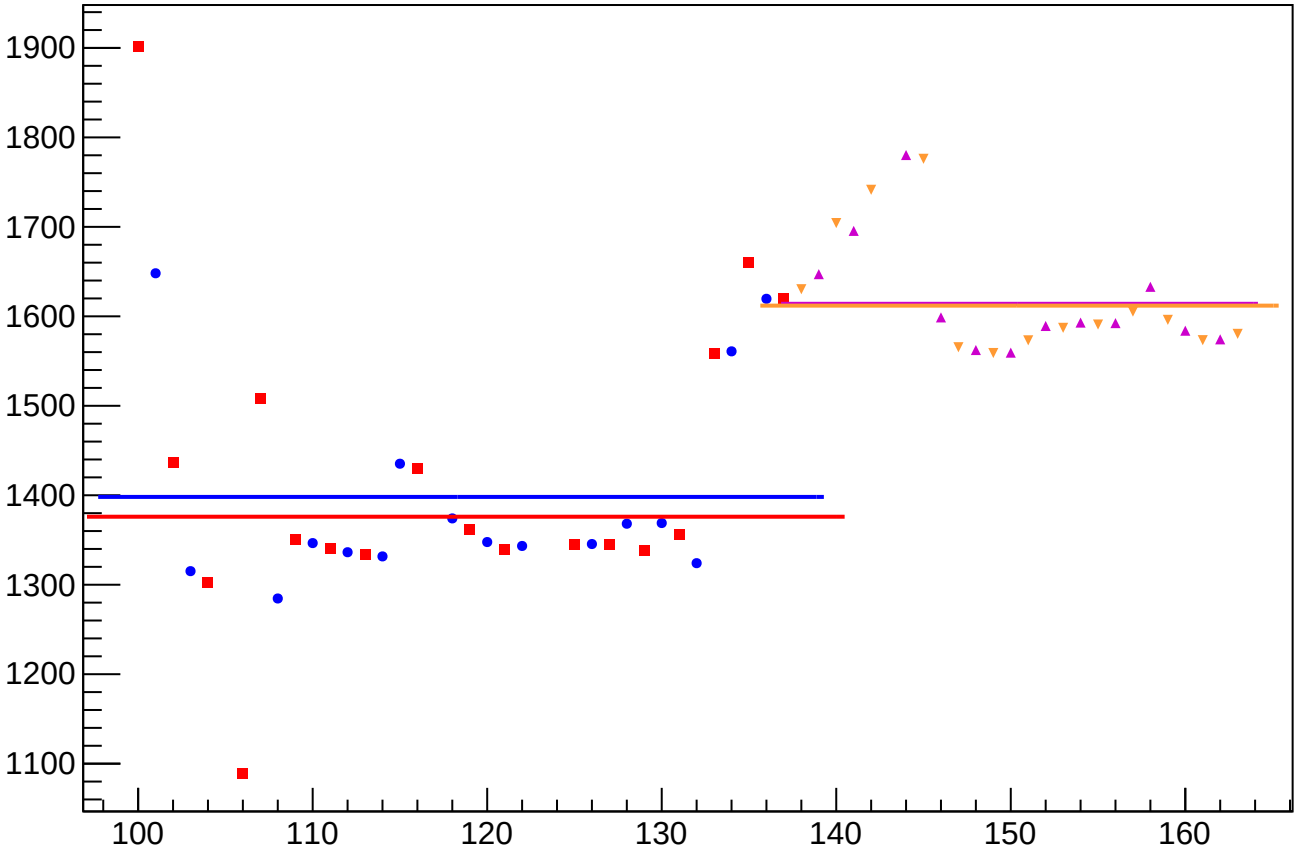
Left In: -2338.393+/-501.745 χ^2/NDF:10.0/11

+ sign 1489.657+/-361.236 χ^2/NDF: 33.0/28

All: -364.604+/-255.324 χ^2/NDF: 110.2/58

- sign -2215.719+/-360.930 χ^2/NDF: 24.6/29

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

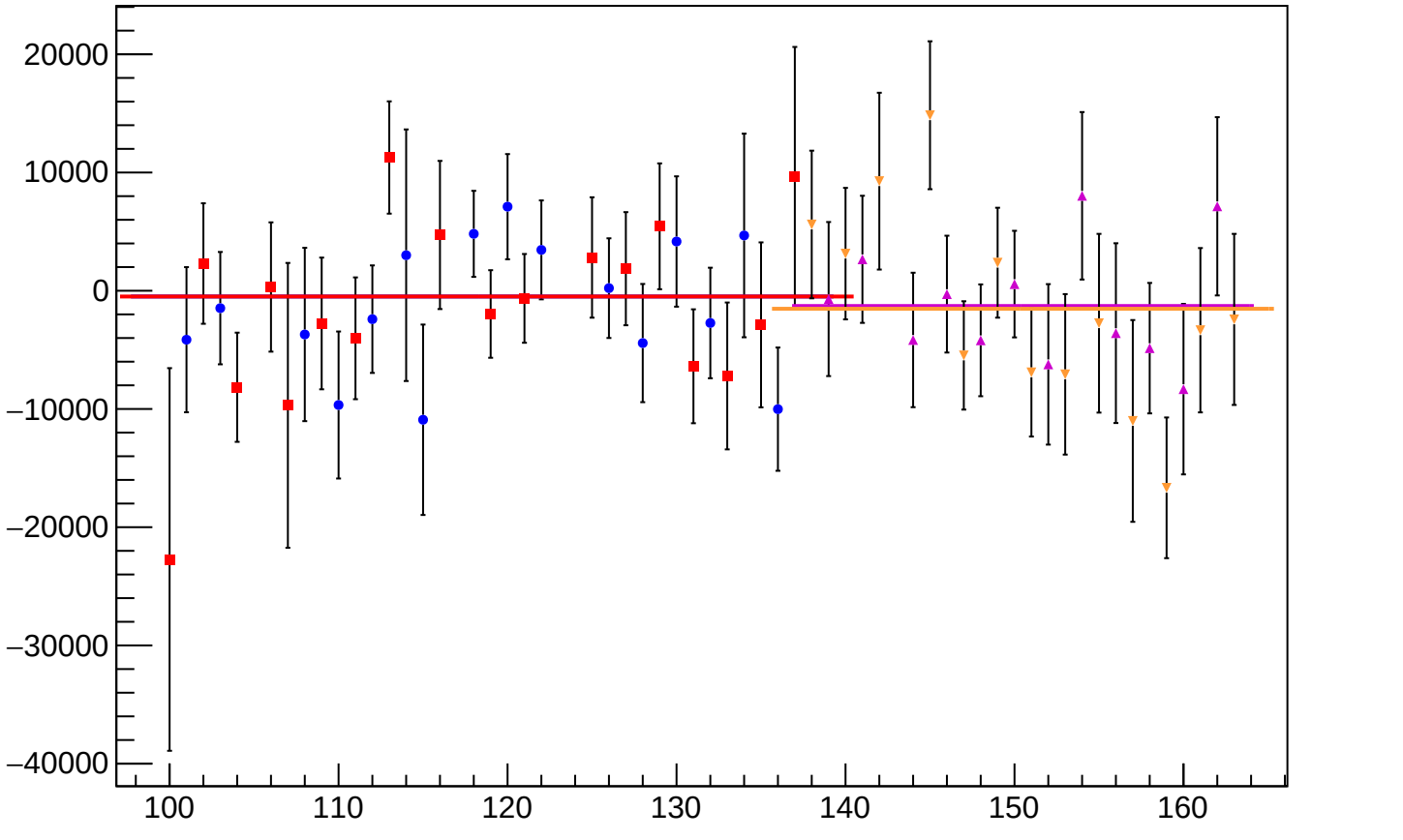
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

\+ sign 1509.640+/-0.255 χ^2/NDF: 299601.2/28

All: 1503.564+/-0.180 χ^2/NDF: 662452.8/58

\- sign 1497.577+/-0.254 χ^2/NDF: 361728.2/29



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1525.234+/-1689.633 χ^2/NDF:21.9/12

Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

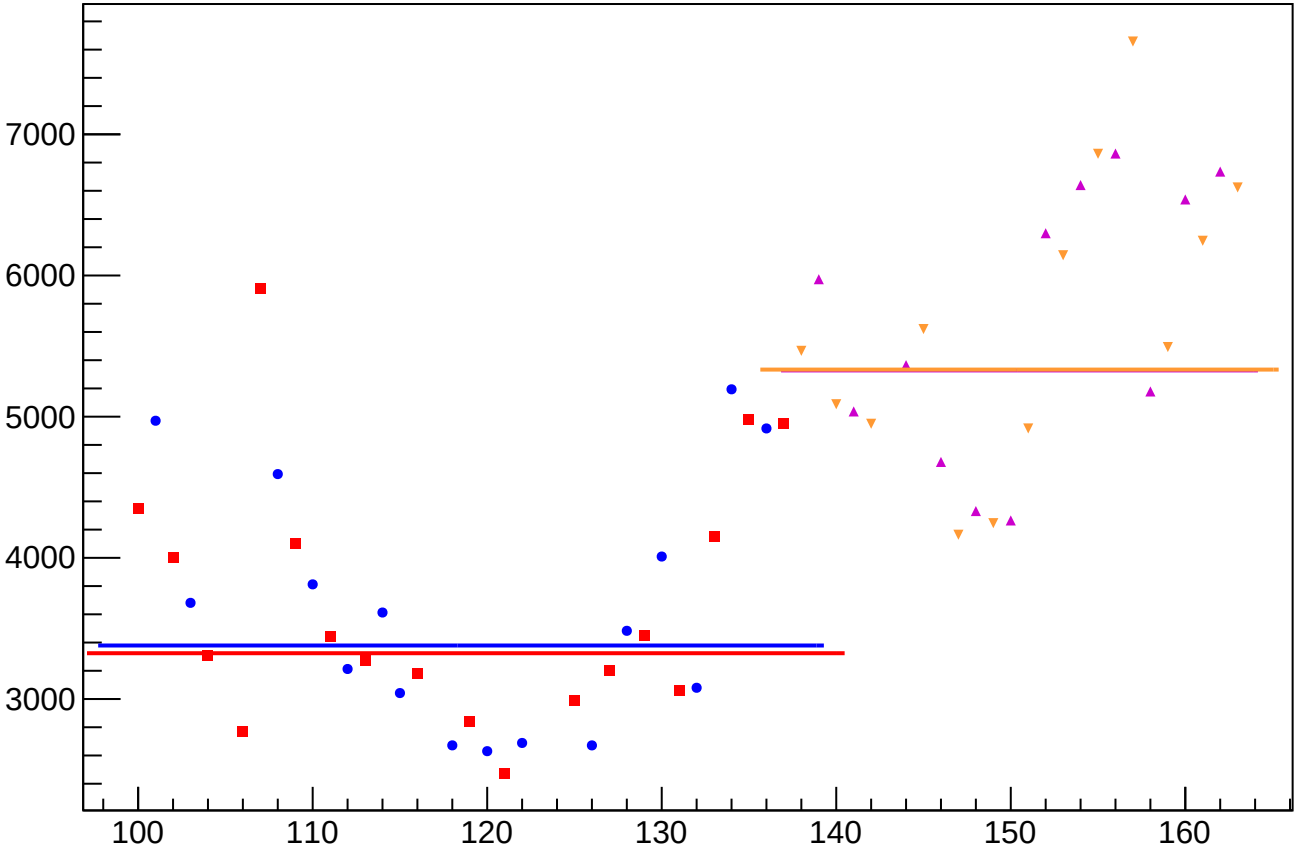
Left In: -1293.393+/-1684.087 χ^2/NDF:6.4/11

+ sign -870.897+/-1027.799 χ^2/NDF: 38.0/28

All: -823.519+/-720.227 χ^2/NDF: 63.3/58

- sign -777.808+/-1009.555 χ^2/NDF: 25.2/29

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

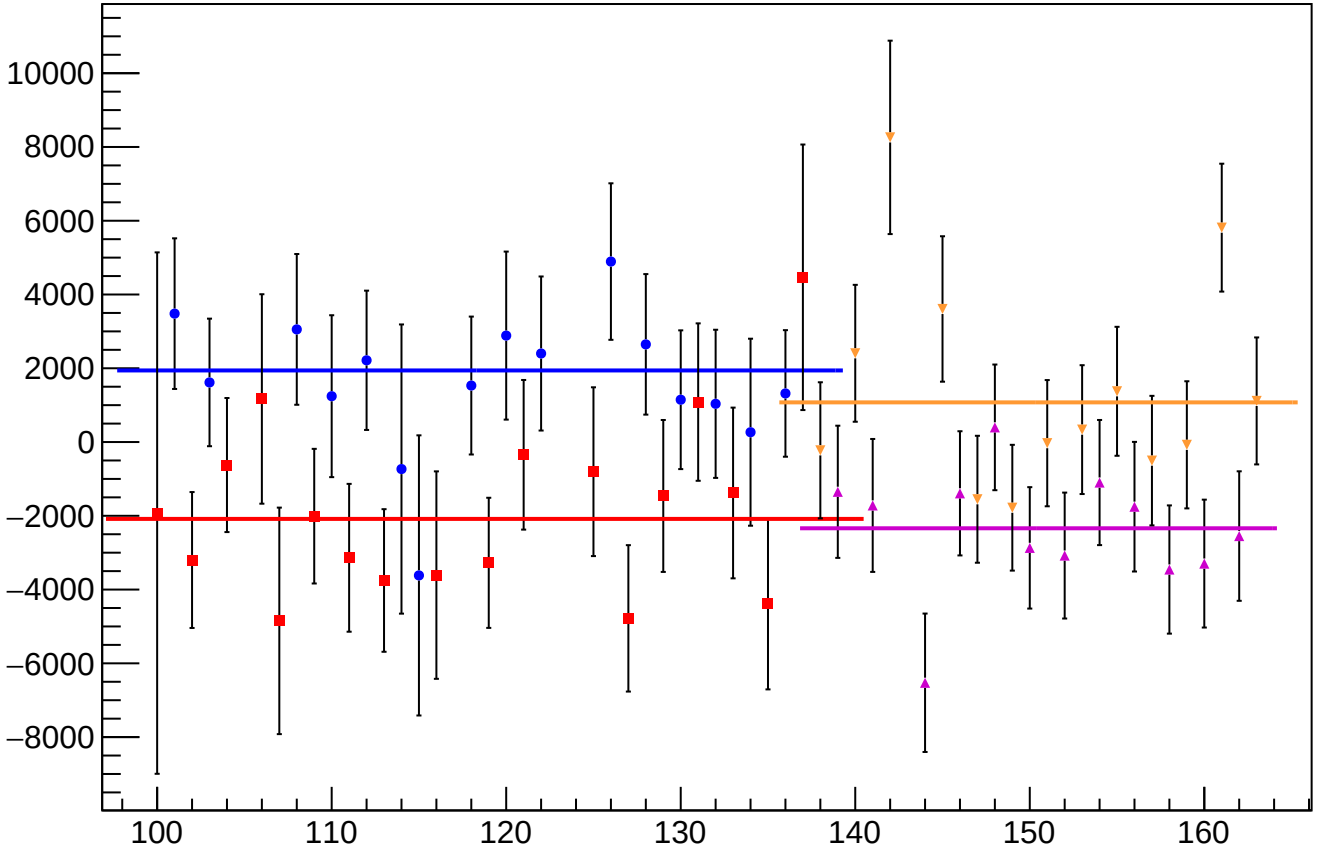
Left In: 5327.604+/-1.191 χ^2/NDF:578948.6/11

+ sign 4102.296+/-0.727 χ^2/NDF: 3065307.6/28

All: 4072.782+/-0.509 χ^2/NDF: 6004081.2/58

- sign 4044.306+/-0.714 χ^2/NDF: 2935533.2/29

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

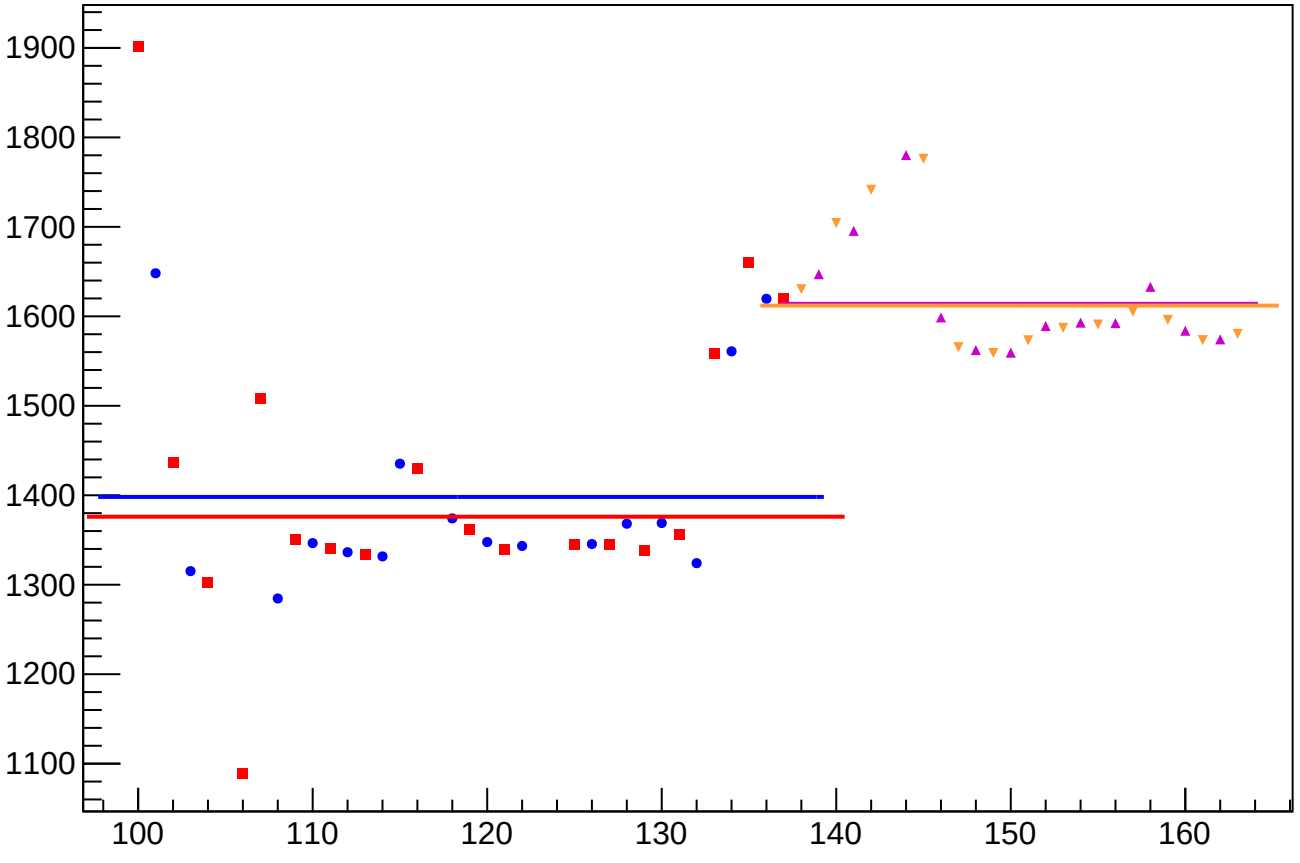
Left In: -2338.393+/-501.745 χ^2/NDF:10.0/11

+ sign 1489.657+/-361.236 χ^2/NDF: 33.0/28

All: -364.604+/-255.324 χ^2/NDF: 110.2/58

- sign -2215.719+/-360.930 χ^2/NDF: 24.6/29

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

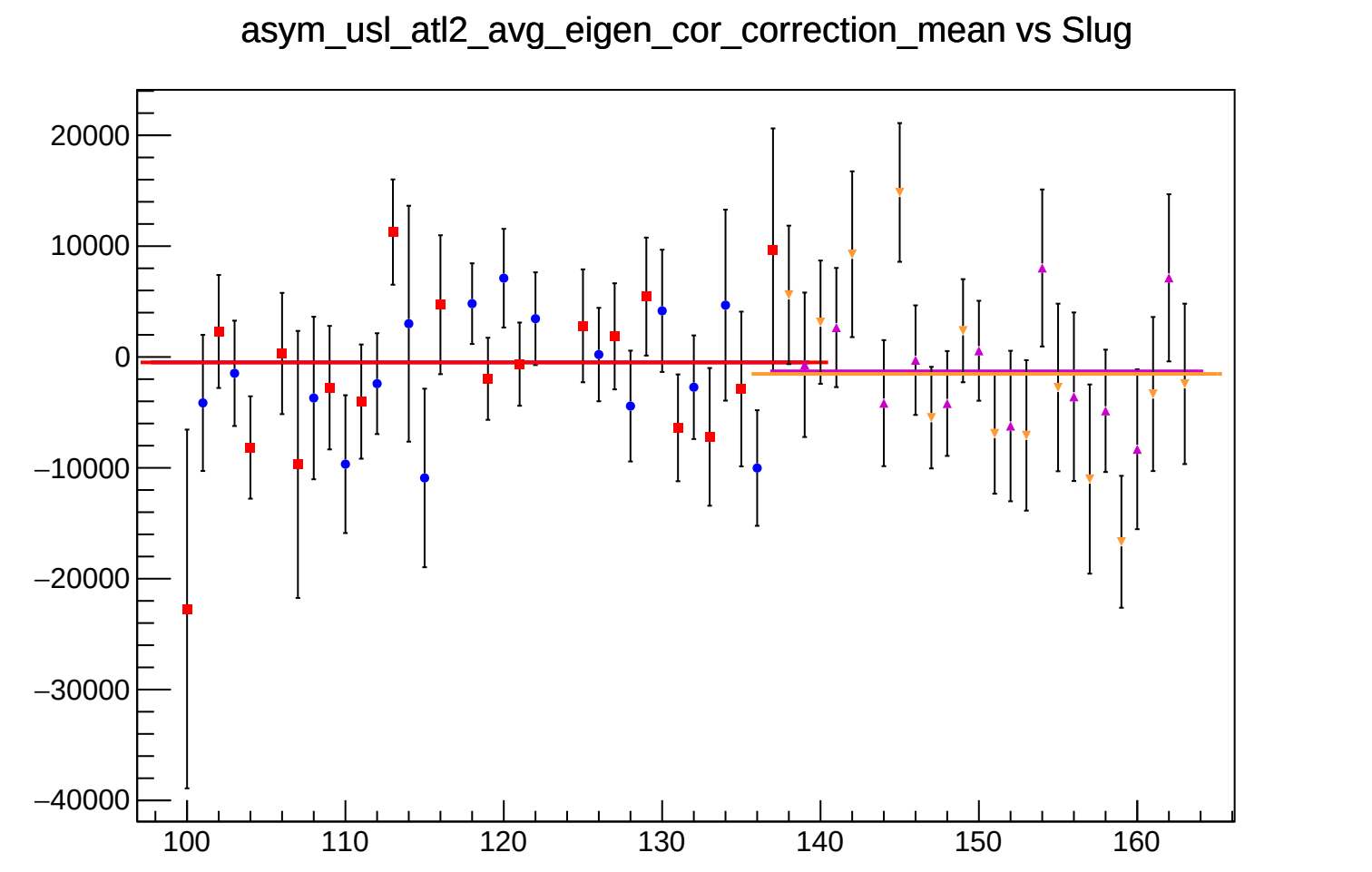
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

\+ sign 1509.640+/-0.255 χ^2/NDF: 299601.2/28

All: 1503.564+/-0.180 χ^2/NDF: 662452.8/58

\- sign 1497.577+/-0.254 χ^2/NDF: 361728.2/29



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1525.234+/-1689.633 χ^2/NDF:21.9/12

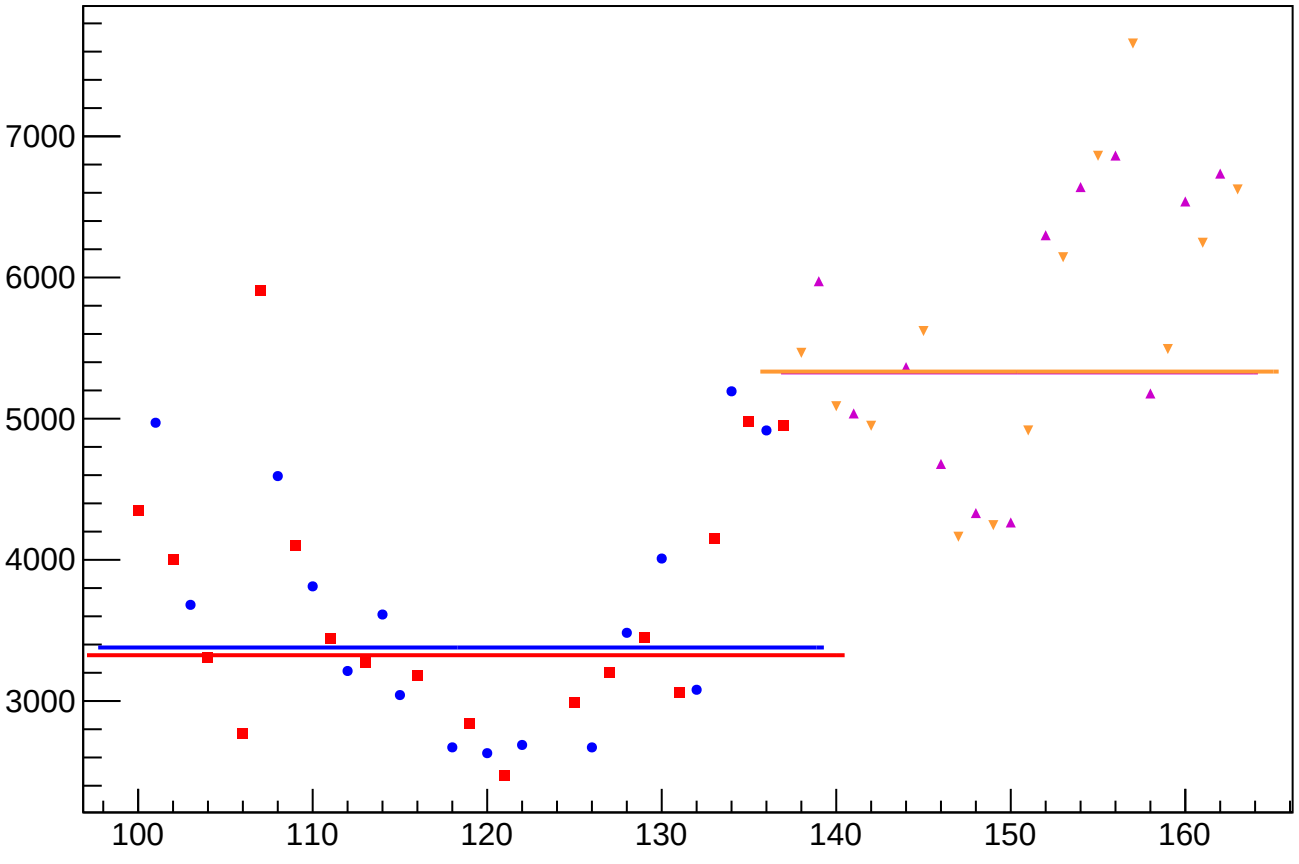
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1293.393+/-1684.087 χ^2/NDF:6.4/11

\+ sign -870.897+/-1027.799 χ^2/NDF: 38.0/28

All: -823.519+/-720.227 χ^2/NDF: 63.3/58

\- sign -777.808+/-1009.555 χ^2/NDF: 25.2/29



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

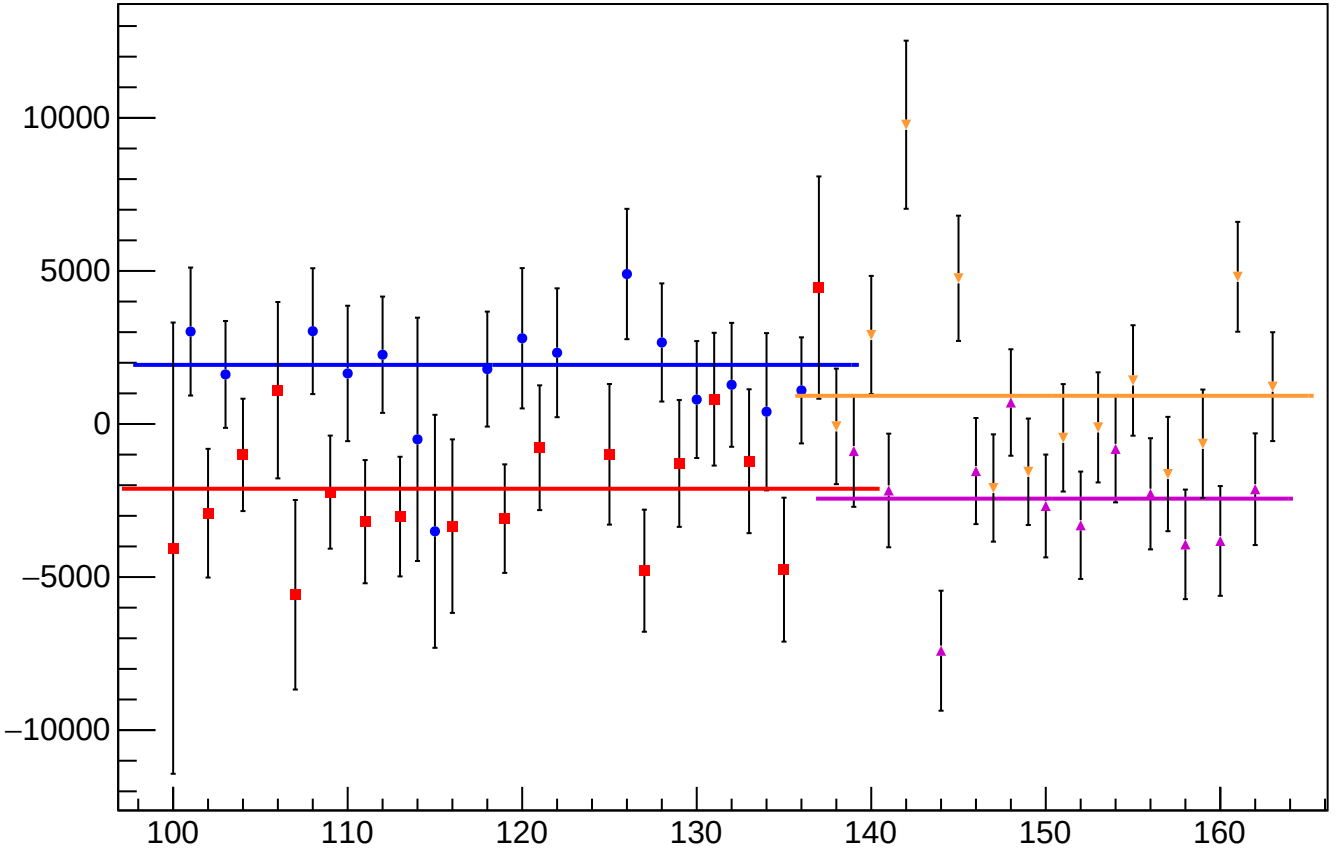
Left In: 5327.604+/-1.191 χ^2/NDF:578948.6/11

+ sign 4102.296+/-0.727 χ^2/NDF: 3065307.6/28

All: 4072.782+/-0.509 χ^2/NDF: 6004081.2/58

- sign 4044.306+/-0.714 χ^2/NDF: 2935533.2/29

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.913+/-516.433 χ^2/NDF:28.6/12

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

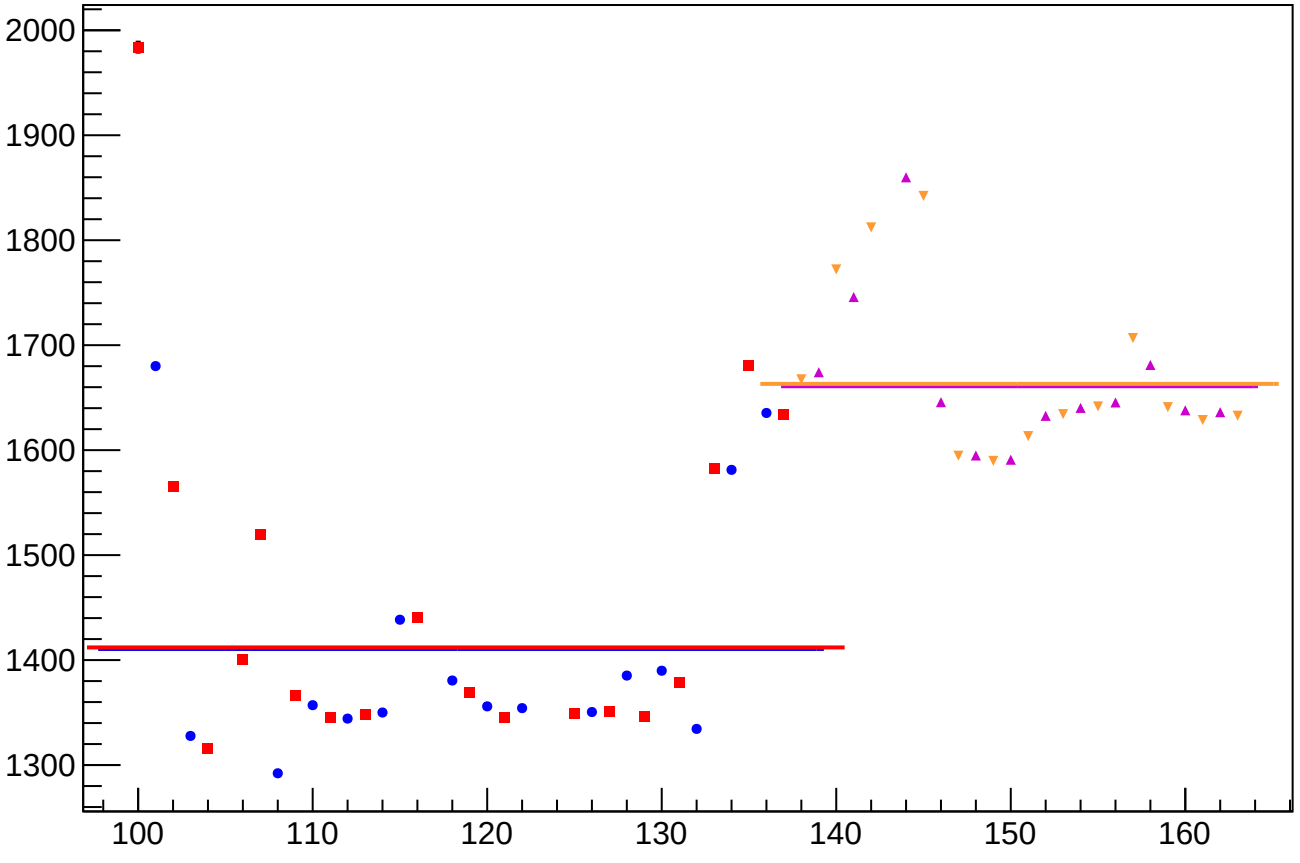
Left In: -2438.312+/-516.424 χ^2/NDF:13.2/11

+ sign 1416.371+/-368.899 χ^2/NDF: 36.9/28

All: -429.266+/-261.051 χ^2/NDF: 113.6/58

- sign -2280.579+/-369.466 χ^2/NDF: 26.6/29

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1663.137+/-0.365 χ^2/NDF:39347.9/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

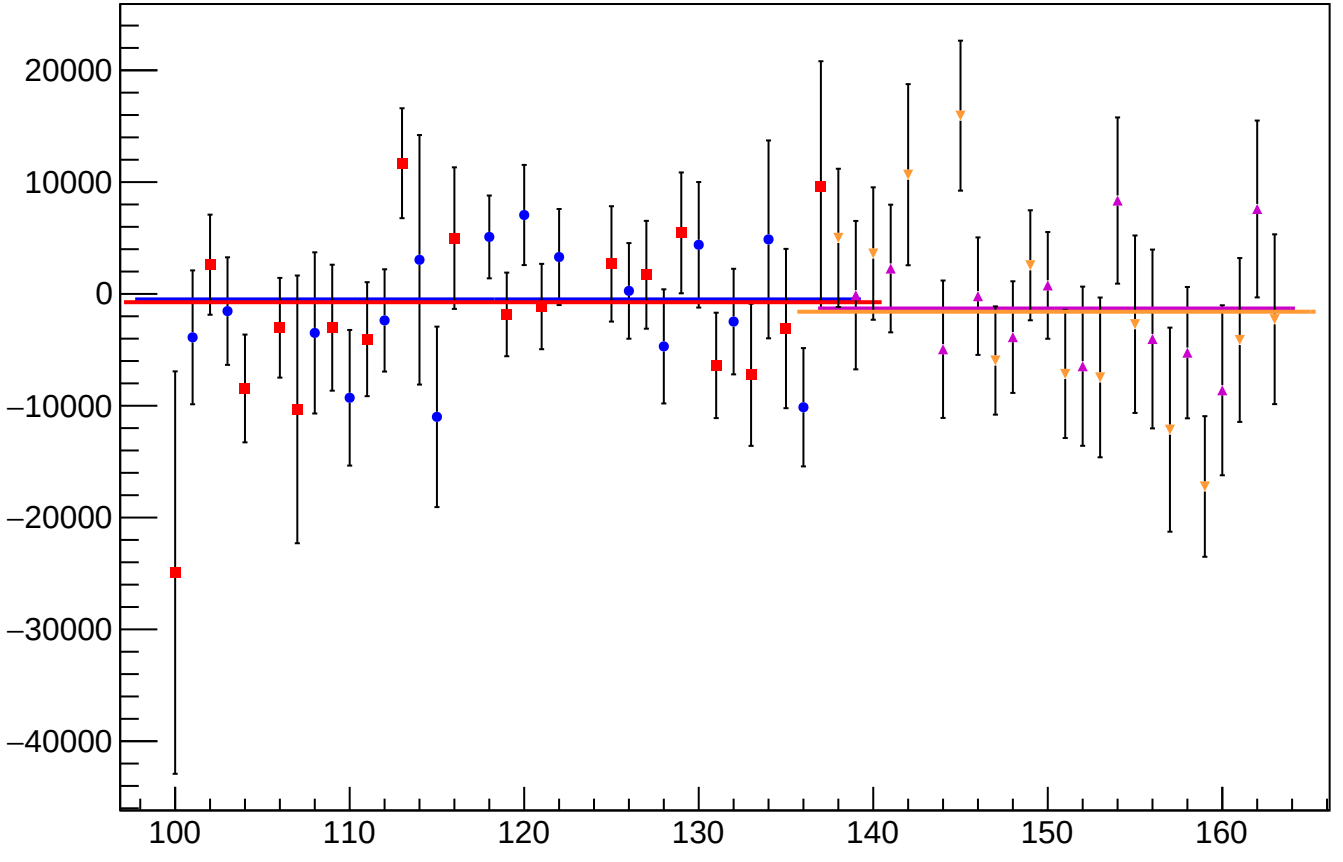
Left In: 1660.890+/-0.365 χ^2/NDF:33315.3/11

+ sign 1539.456+/-0.261 χ^2/NDF: 372725.8/28

All: 1539.270+/-0.184 χ^2/NDF: 723053.8/58

- sign 1539.083+/-0.261 χ^2/NDF: 350327.0/29

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1590.836+/-1780.817 χ^2/NDF:21.8/12

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

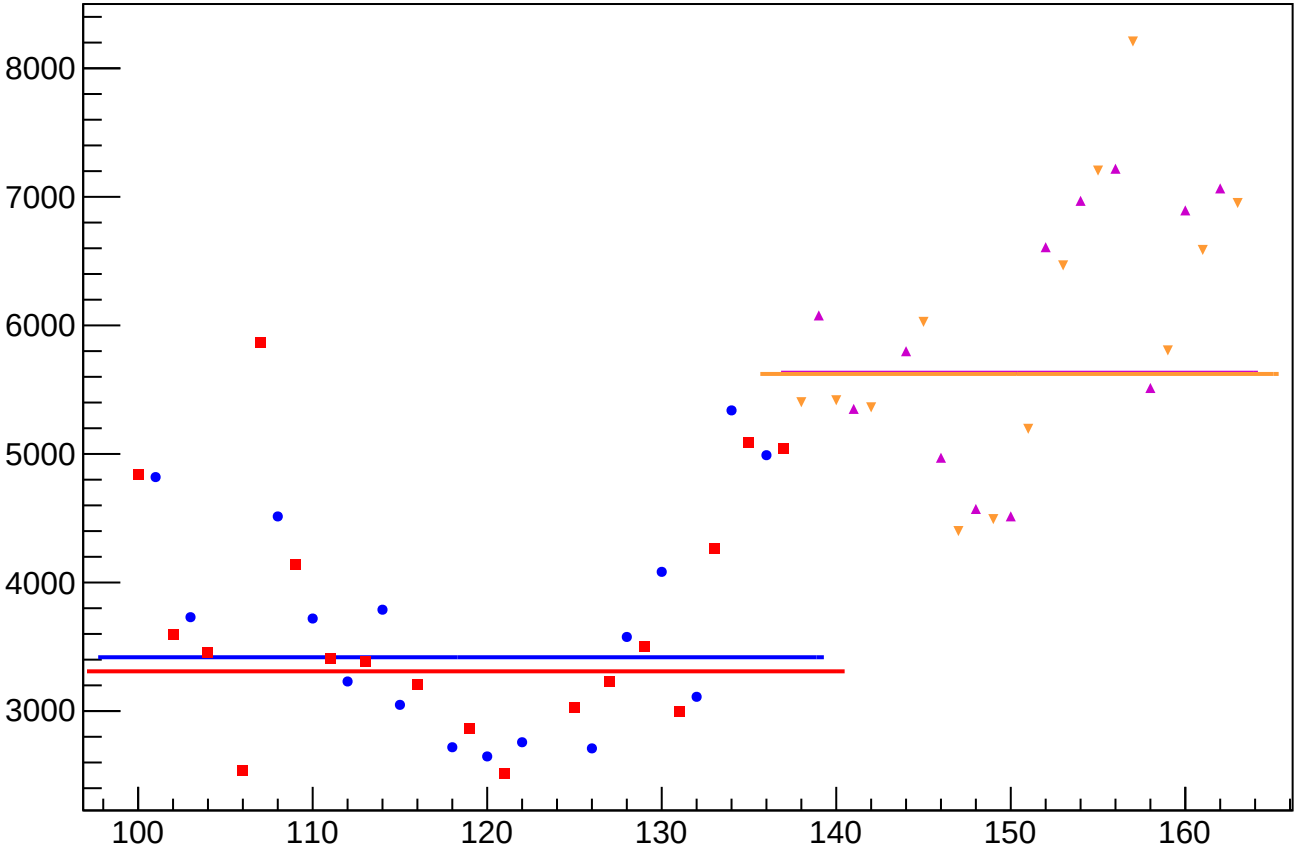
Left In: -1303.315+/-1779.147 χ^2/NDF:6.2/11

+ sign -875.644+/-1054.556 χ^2/NDF: 37.9/28

All: -901.700+/-733.781 χ^2/NDF: 63.4/58

- sign -926.156+/-1021.671 χ^2/NDF: 25.5/29

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5622.437+/-1.259 χ^2/NDF:623997.3/12

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

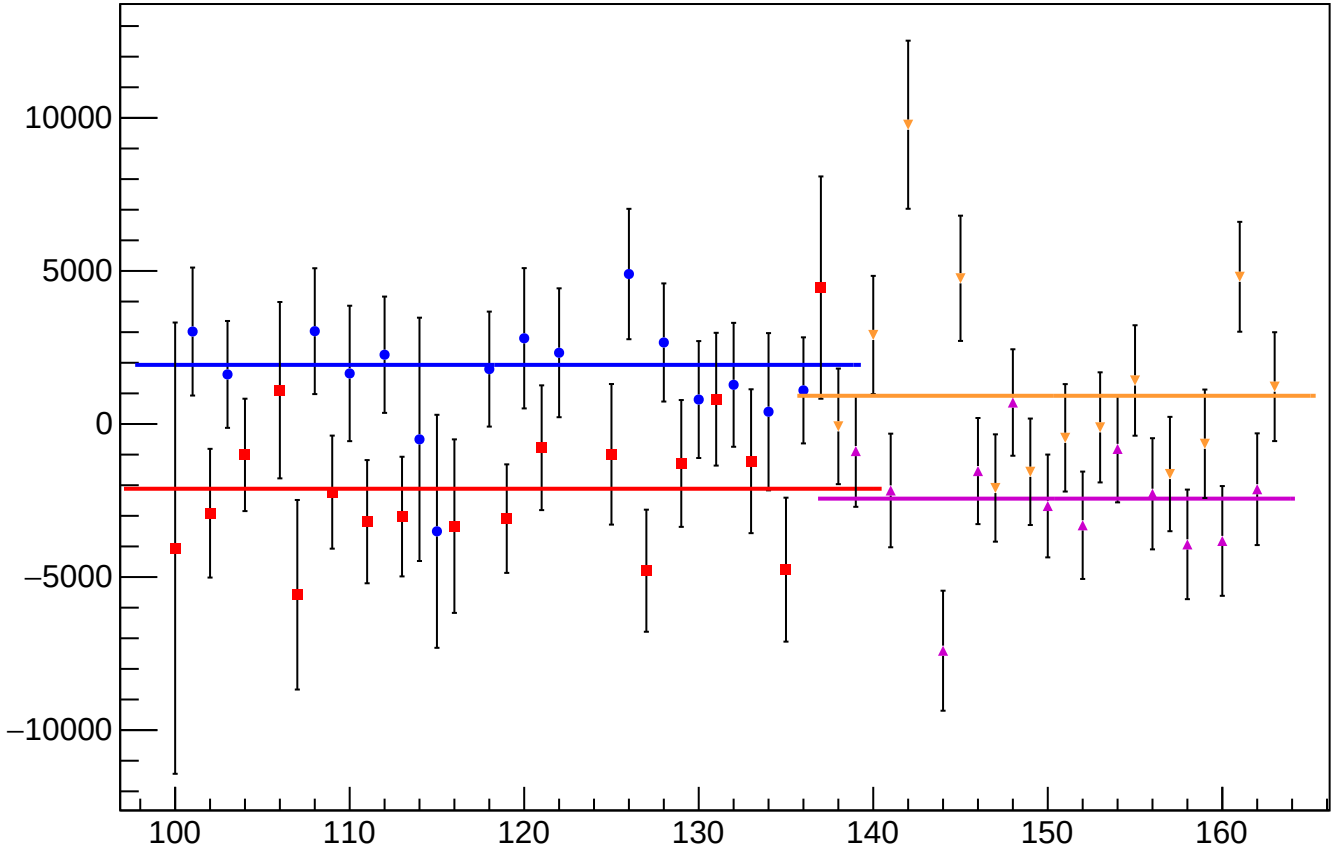
Left In: 5632.057+/-1.258 χ^2/NDF:549697.0/11

+ sign 4191.488+/-0.746 χ^2/NDF: 3333938.7/28

All: 4131.466+/-0.519 χ^2/NDF: 6753284.2/58

- sign 4075.128+/-0.722 χ^2/NDF: 3406785.0/29

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.906+/-516.433 χ^2/NDF:28.6/12

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

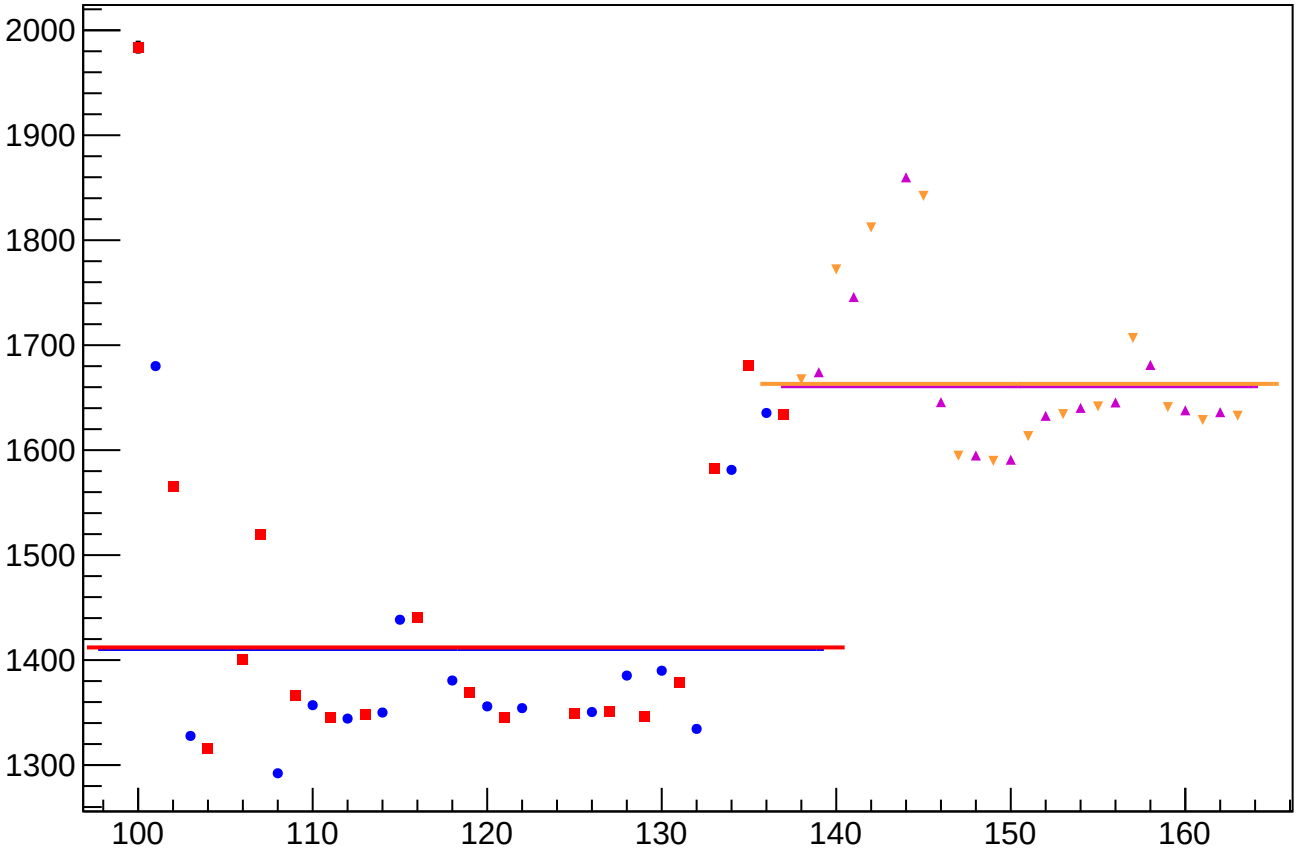
Left In: -2438.314+/-516.425 χ^2/NDF:13.2/11

+ sign 1416.369+/-368.899 χ^2/NDF: 36.9/28

All: -429.267+/-261.051 χ^2/NDF: 113.6/58

- sign -2280.580+/-369.466 χ^2/NDF: 26.6/29

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1663.138+/-0.365 χ^2/NDF:39348.7/12

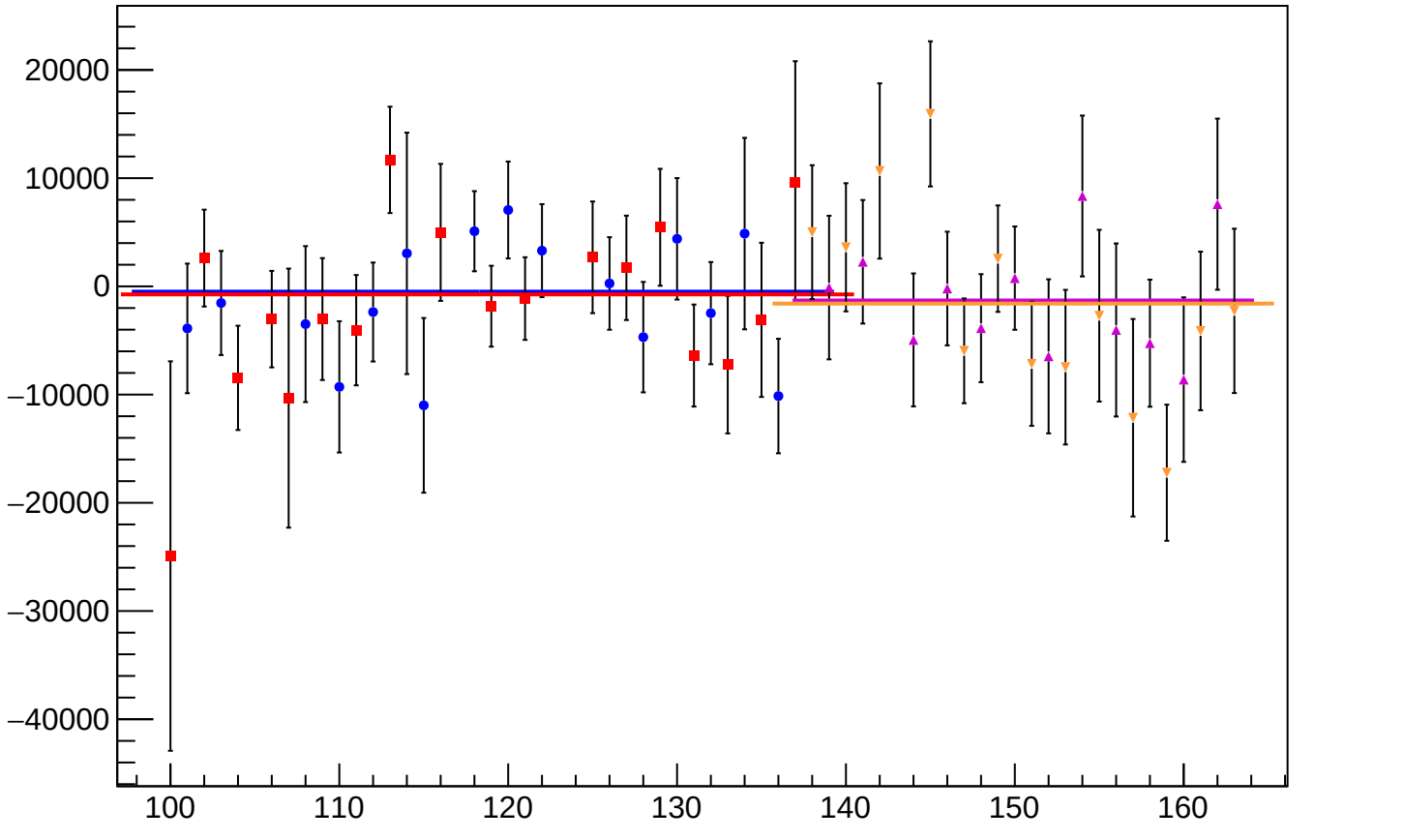
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.892+/-0.365 χ^2/NDF:33315.7/11

+ sign 1539.457+/-0.261 χ^2/NDF: 372728.8/28

All: 1539.270+/-0.184 χ^2/NDF: 723060.1/58

- sign 1539.084+/-0.261 χ^2/NDF: 350330.2/29



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1590.846+/-1780.819 χ^2/NDF:21.8/12

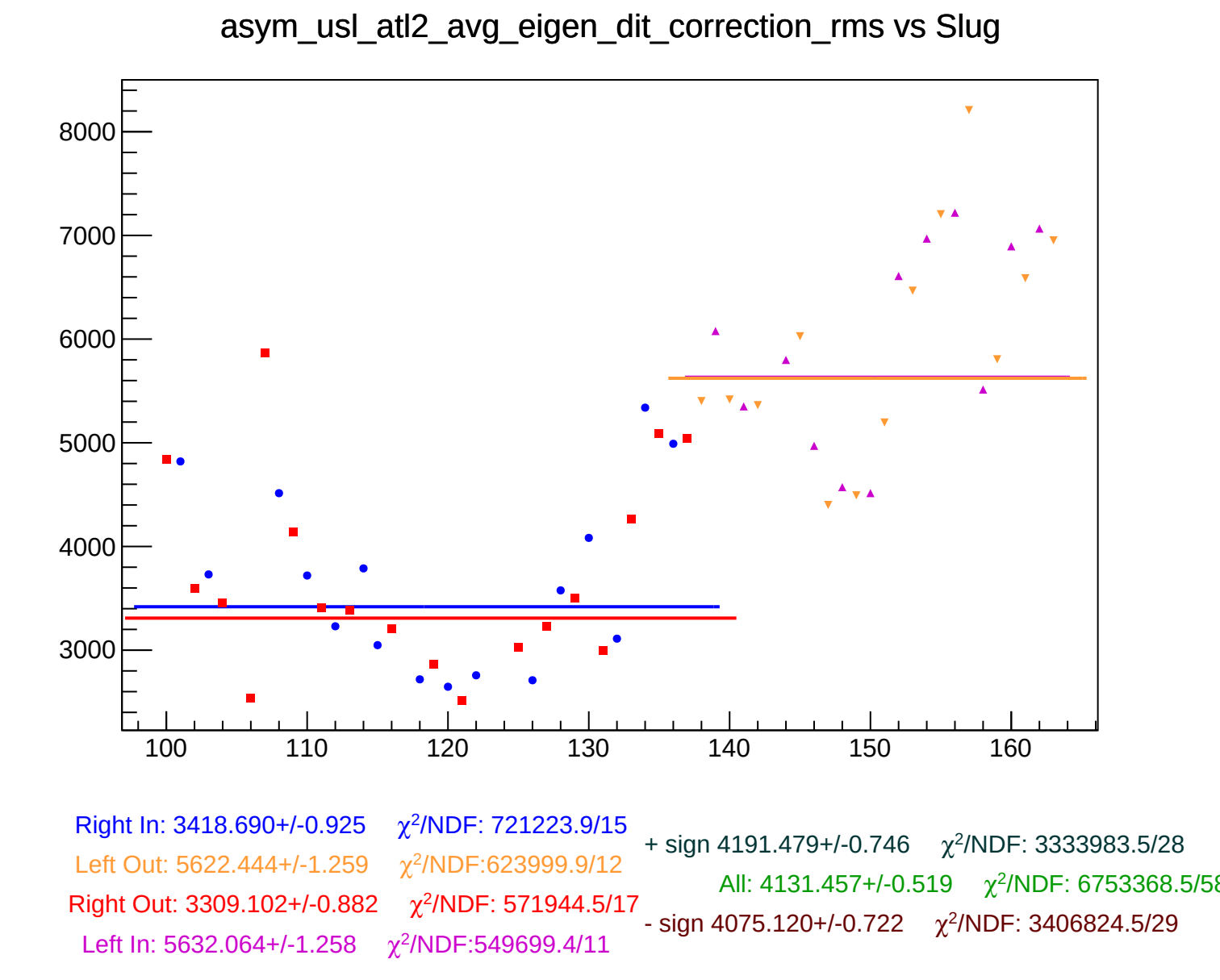
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1303.317+/-1779.149 χ^2/NDF:6.2/11

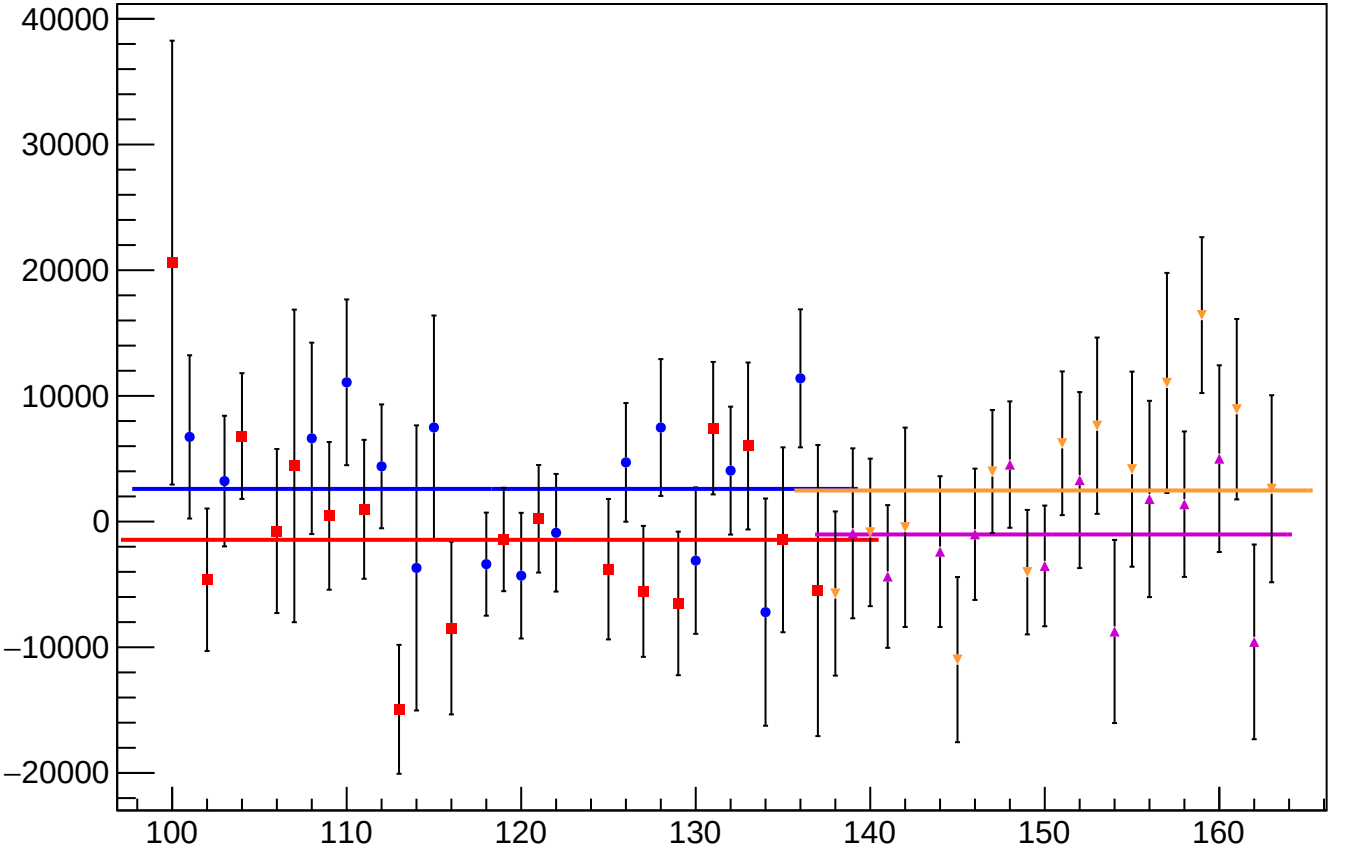
\+ sign -875.640+/-1054.554 χ^2/NDF: 37.9/28

All: -901.699+/-733.780 χ^2/NDF: 63.4/58

\- sign -926.157+/-1021.670 χ^2/NDF: 25.5/29


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 3418.690+/-0.925 χ²/NDF: 721223.9/15
Left Out: 5622.444+/-1.259 χ²/NDF:623999.9/12
Right Out: 3309.102+/-0.882 χ²/NDF: 571944.5/17
Left In: 5632.064+/-1.258 χ²/NDF:549699.4/11
+ sign 4191.479+/-0.746 χ²/NDF: 3333983.5/28
All: 4131.457+/-0.519 χ²/NDF: 6753368.5/58
- sign 4075.120+/-0.722 χ²/NDF: 3406824.5/29

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2477.750+/-1773.216 χ^2/NDF:15.9/12

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

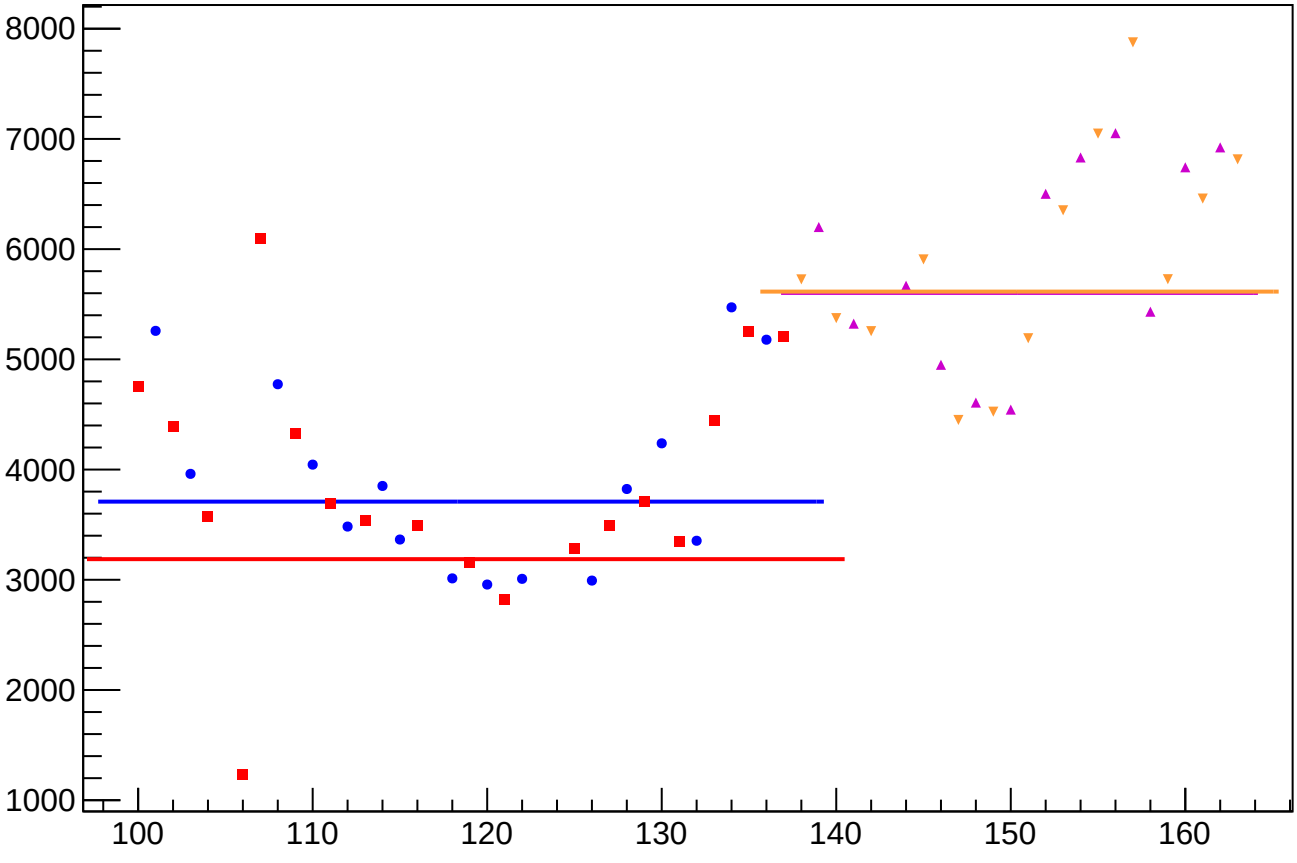
Left In: -1024.251+/-1766.420 χ^2/NDF:5.6/11

+ sign 2552.229+/-1105.776 χ^2/NDF: 29.4/28

All: 602.261+/-775.850 χ^2/NDF: 60.2/58

- sign -1288.486+/-1088.856 χ^2/NDF: 24.7/29

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5614.716+/-1.254 χ^2/NDF:537041.9/12

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

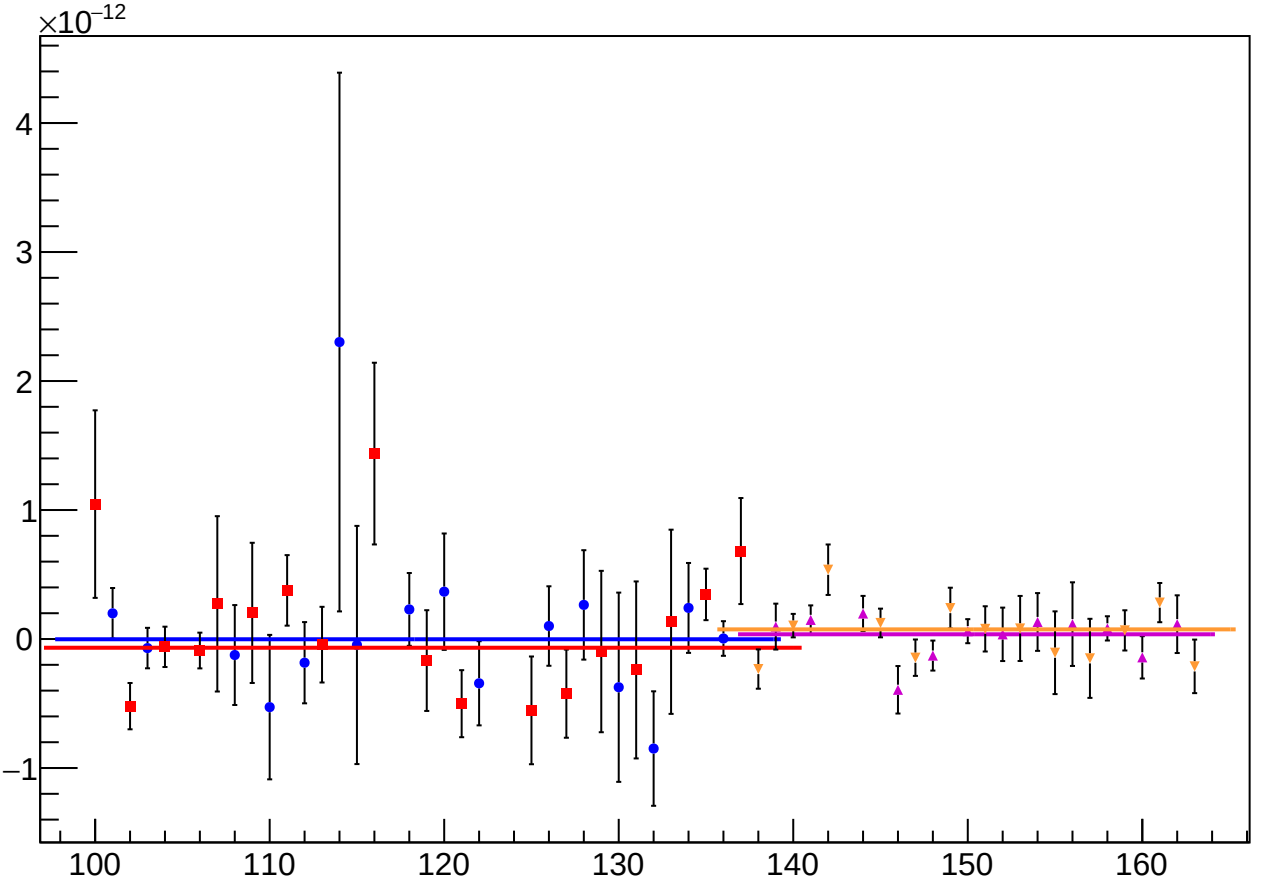
Left In: 5602.696+/-1.249 χ^2/NDF:493131.0/11

+ sign 4450.180+/-0.782 χ^2/NDF: 2559185.2/28

All: 4212.918+/-0.533 χ^2/NDF: 7305047.7/58

- sign 4007.344+/-0.728 χ^2/NDF: 4574005.4/29

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:18.1/12

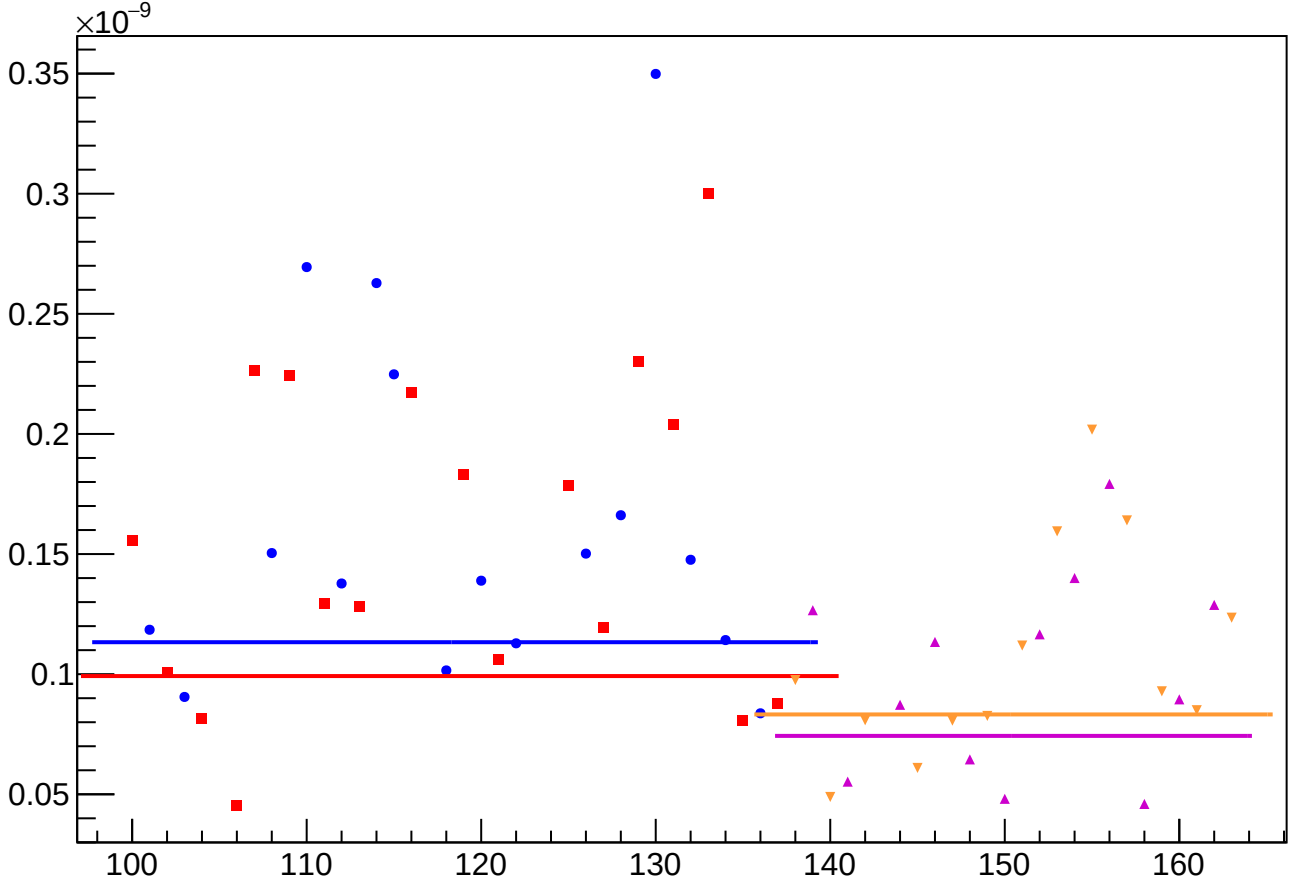
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/28

All: 0.000+/-0.000 χ^2/NDF: 74.1/58

- sign 0.000+/-0.000 χ^2/NDF: 43.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1115281.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

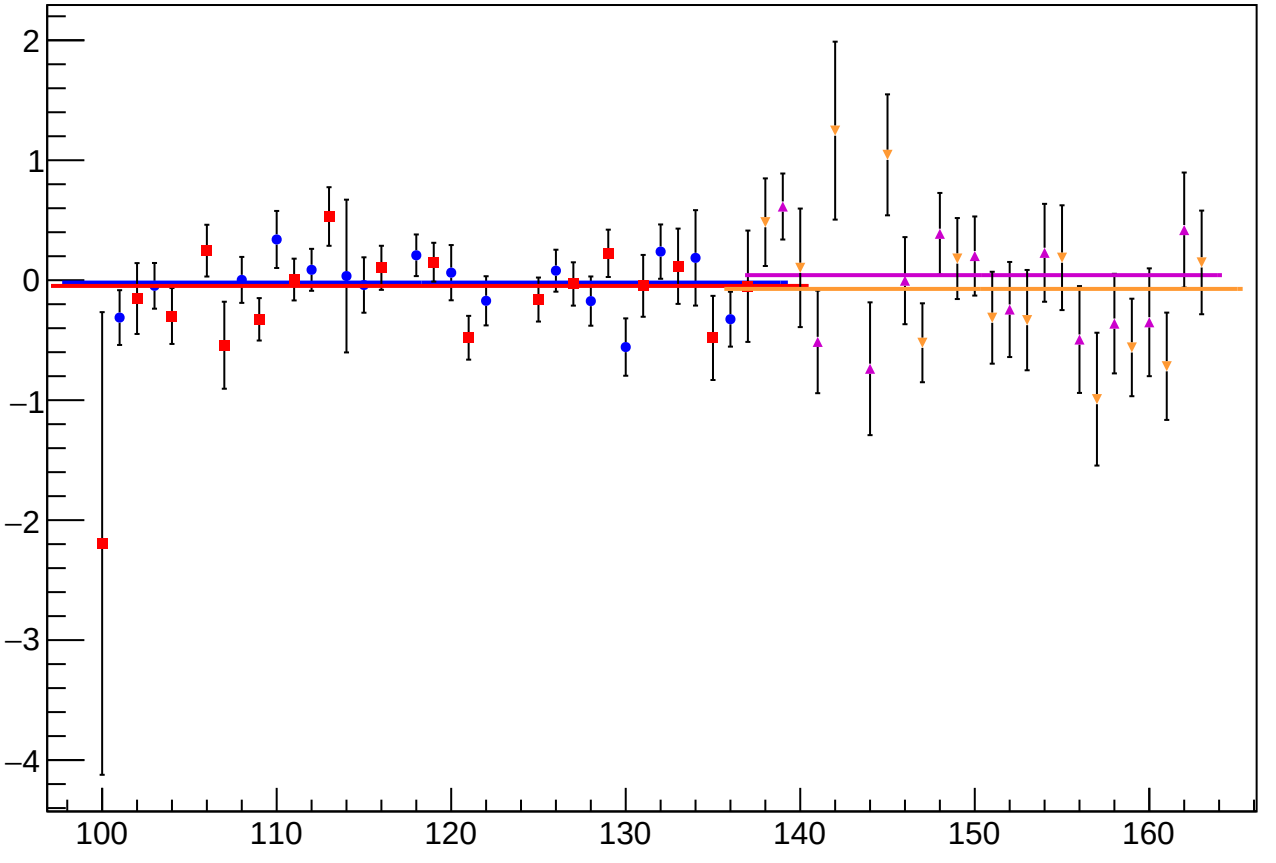
Left In: 0.000+/-0.000 χ^2/NDF:1293237.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 2036120.7/28

All: 0.000+/-0.000 χ^2/NDF: 4720607.4/58

- sign 0.000+/-0.000 χ^2/NDF: 2602107.4/29

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.072+/-0.117 χ^2/NDF:20.6/12

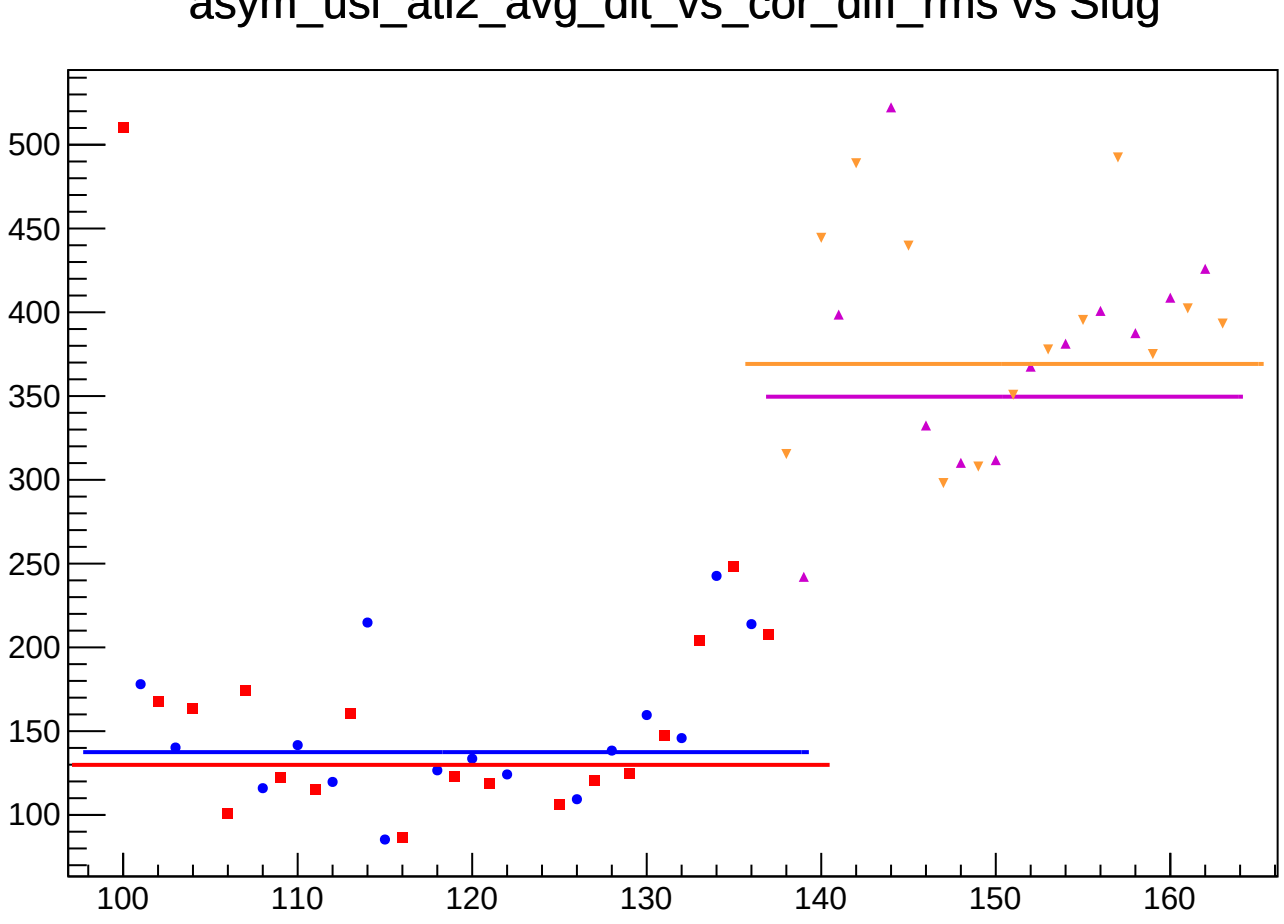
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.042+/-0.112 χ^2/NDF:13.8/11

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.030+/-0.034 χ^2/NDF: 77.4/58

- sign -0.031+/-0.048 χ^2/NDF: 40.6/29



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 369.176+/-0.083 χ^2/NDF:469852.5/12

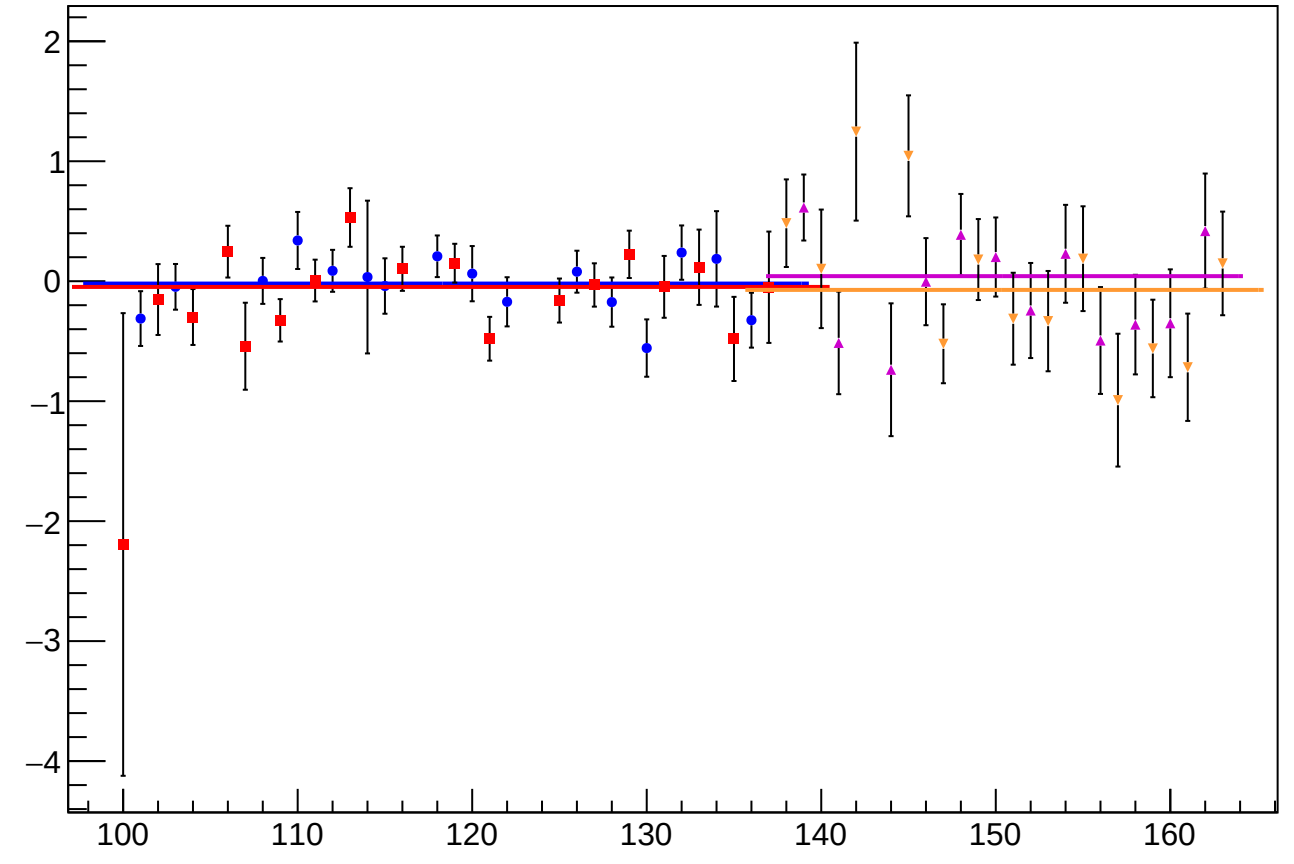
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 349.624+/-0.079 χ^2/NDF:728591.4/11

+ sign 178.326+/-0.035 χ^2/NDF: 7602210.4/28

All: 173.776+/-0.024 χ^2/NDF: 15520356.1/58

- sign 169.532+/-0.034 χ^2/NDF: 7885089.8/29



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.072+/-0.117 χ^2/NDF:20.6/12

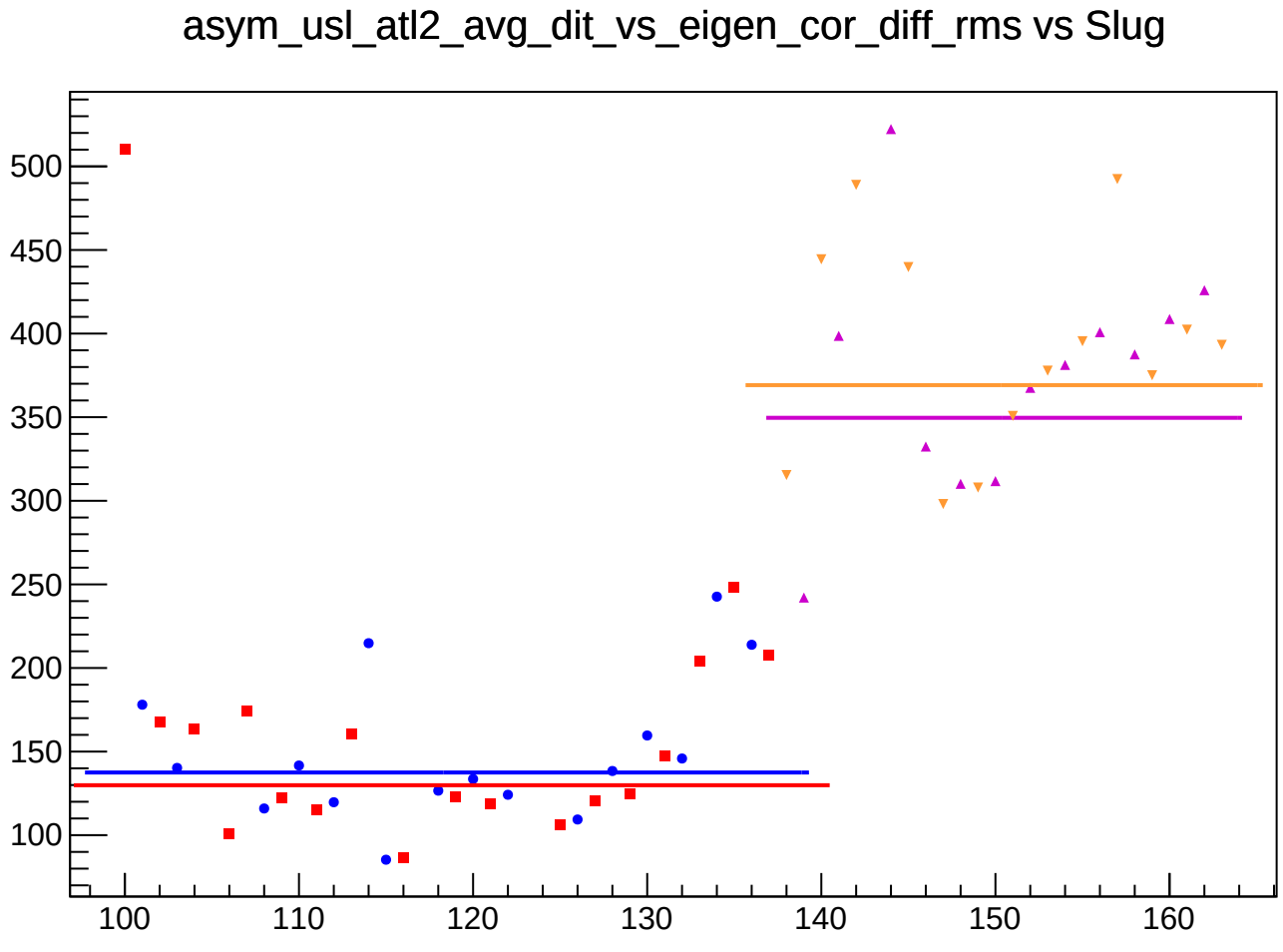
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.042+/-0.112 χ^2/NDF:13.8/11

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.030+/-0.034 χ^2/NDF: 77.4/58

- sign -0.031+/-0.048 χ^2/NDF: 40.6/29



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 369.176+/-0.083 χ^2/NDF:469852.5/12

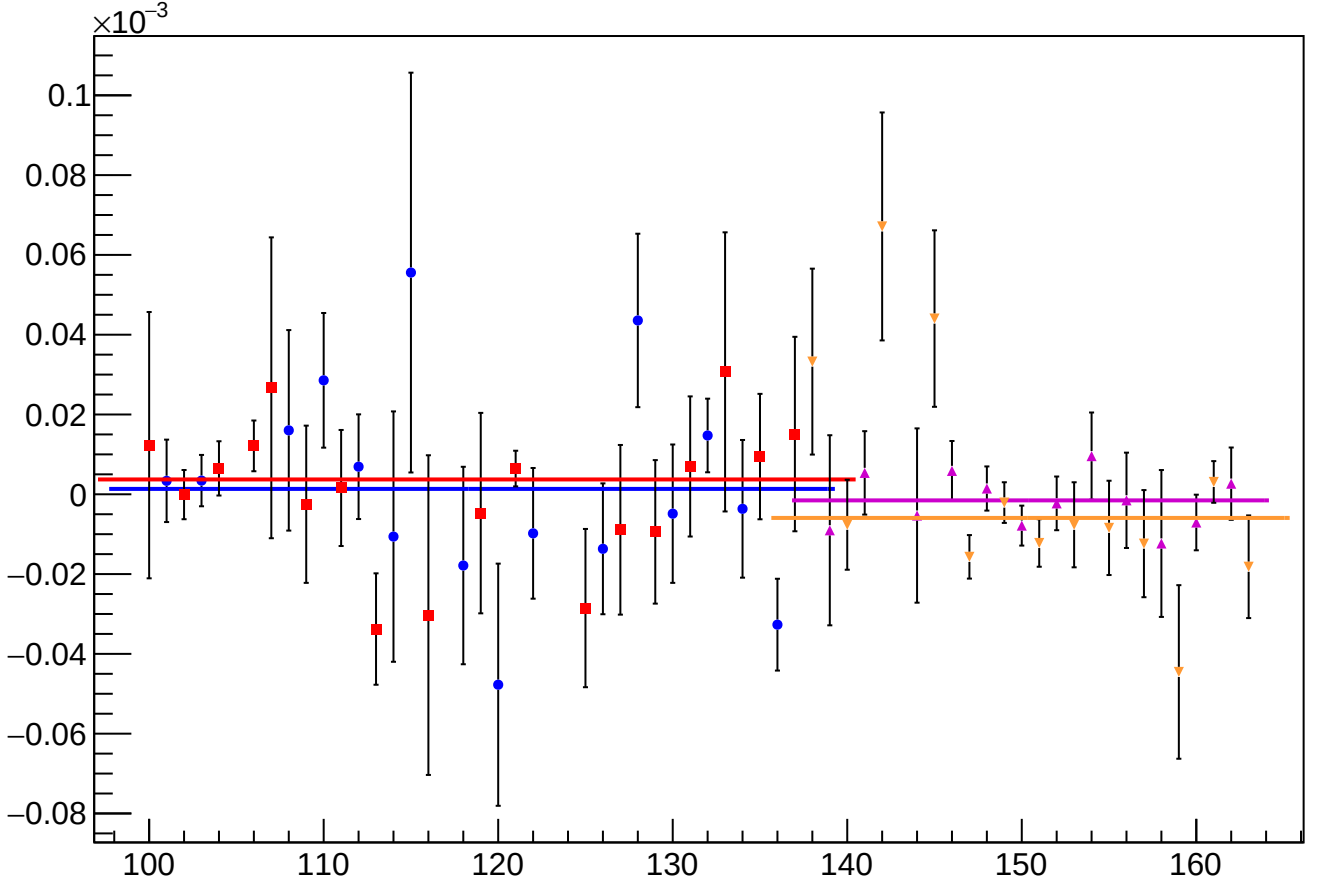
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 349.624+/-0.079 χ^2/NDF:728591.4/11

+ sign 178.326+/-0.035 χ^2/NDF: 7602210.4/28

All: 173.776+/-0.024 χ^2/NDF: 15520356.1/58

- sign 169.532+/-0.034 χ^2/NDF: 7885089.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/12

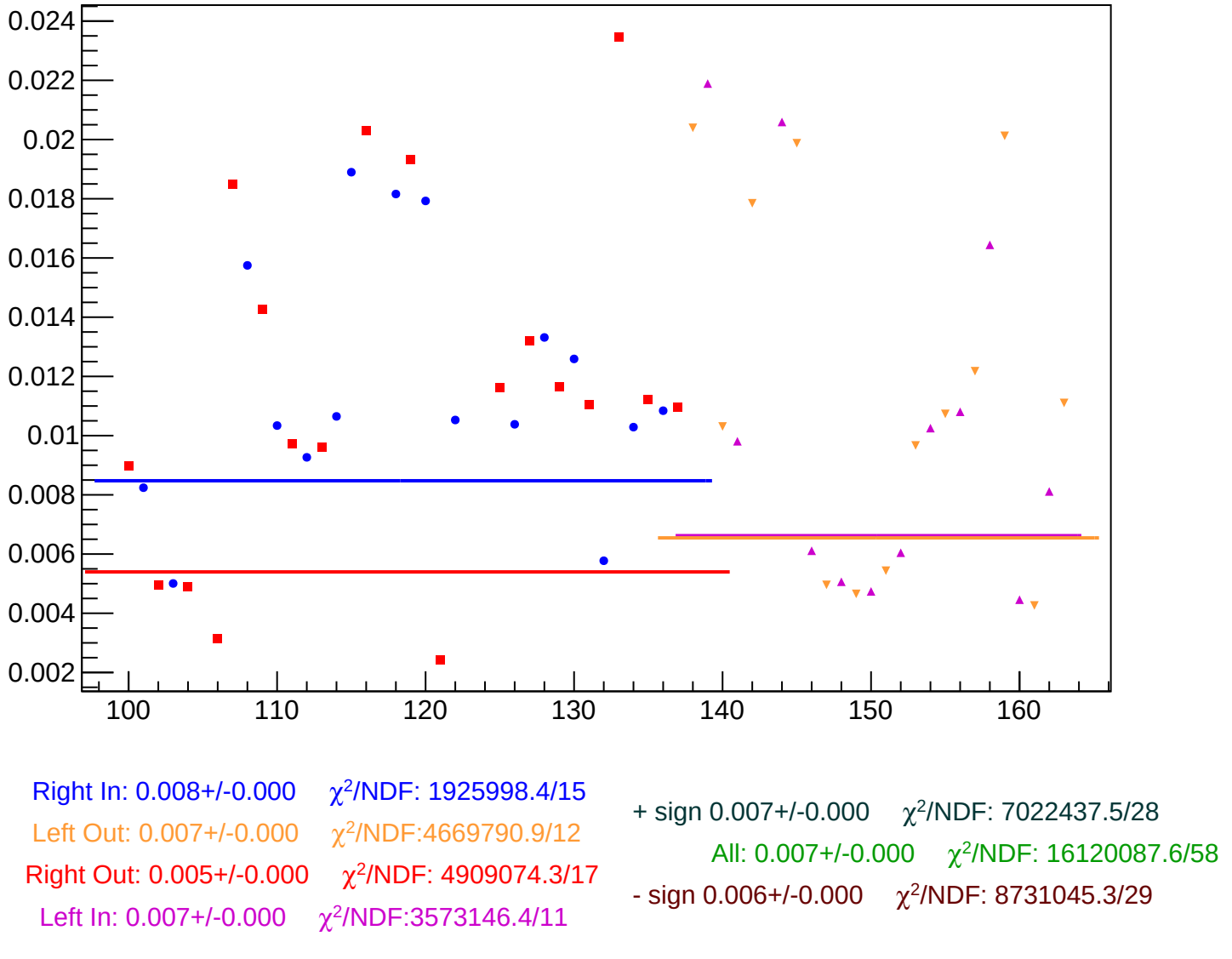
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

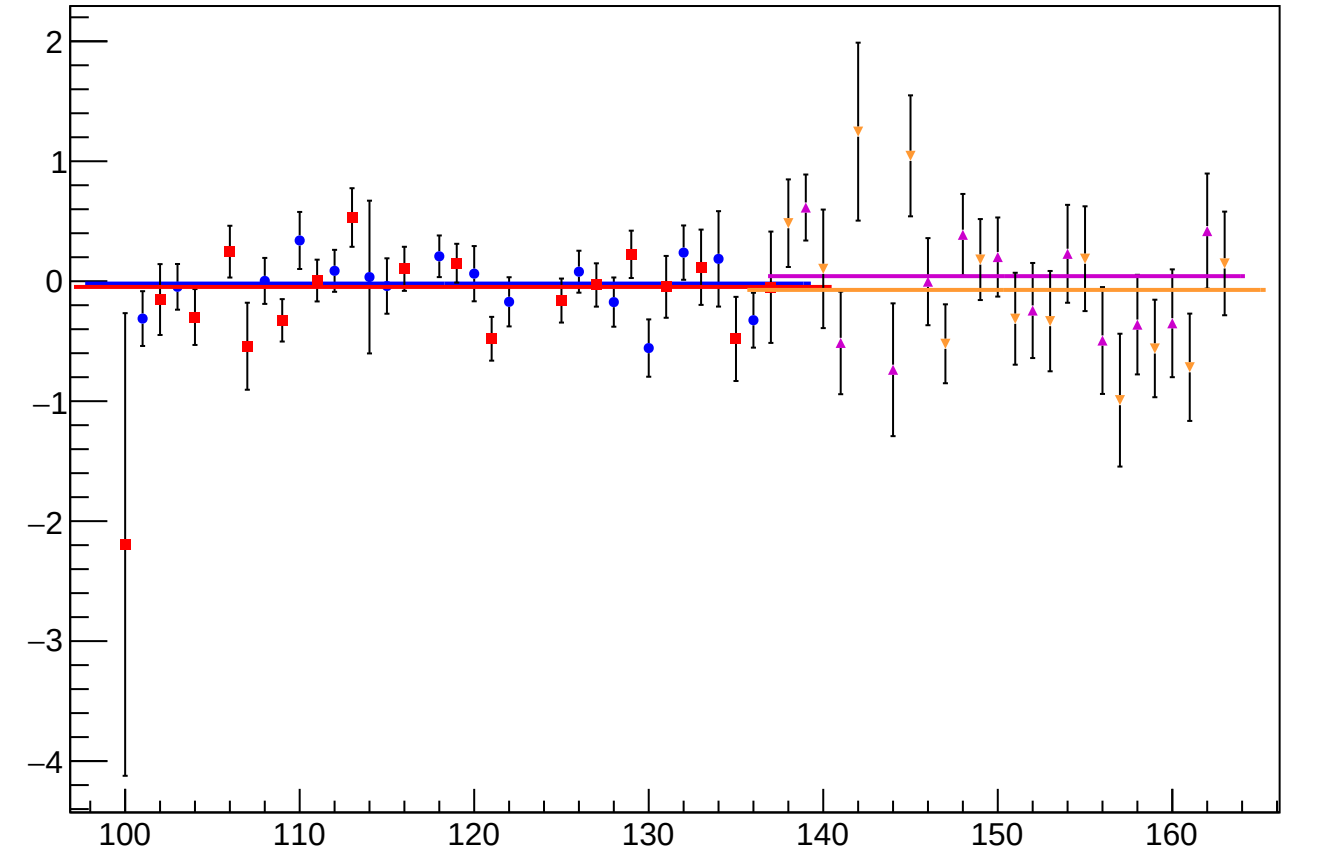
Left In: -0.000+/-0.000 χ^2/NDF:5.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 53.7/28

All: -0.000+/-0.000 χ^2/NDF: 80.4/58

- sign 0.000+/-0.000 χ^2/NDF: 23.7/29


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
160
Right In: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.007+/-0.000 χ²/NDF:4669790.9/12
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.007+/-0.000 χ²/NDF:3573146.4/11
+ sign 0.007+/-0.000 χ²/NDF: 7022437.5/28
All: 0.007+/-0.000 χ²/NDF: 16120087.6/58
- sign 0.006+/-0.000 χ²/NDF: 8731045.3/29



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.072+/-0.117 χ^2/NDF:20.6/12

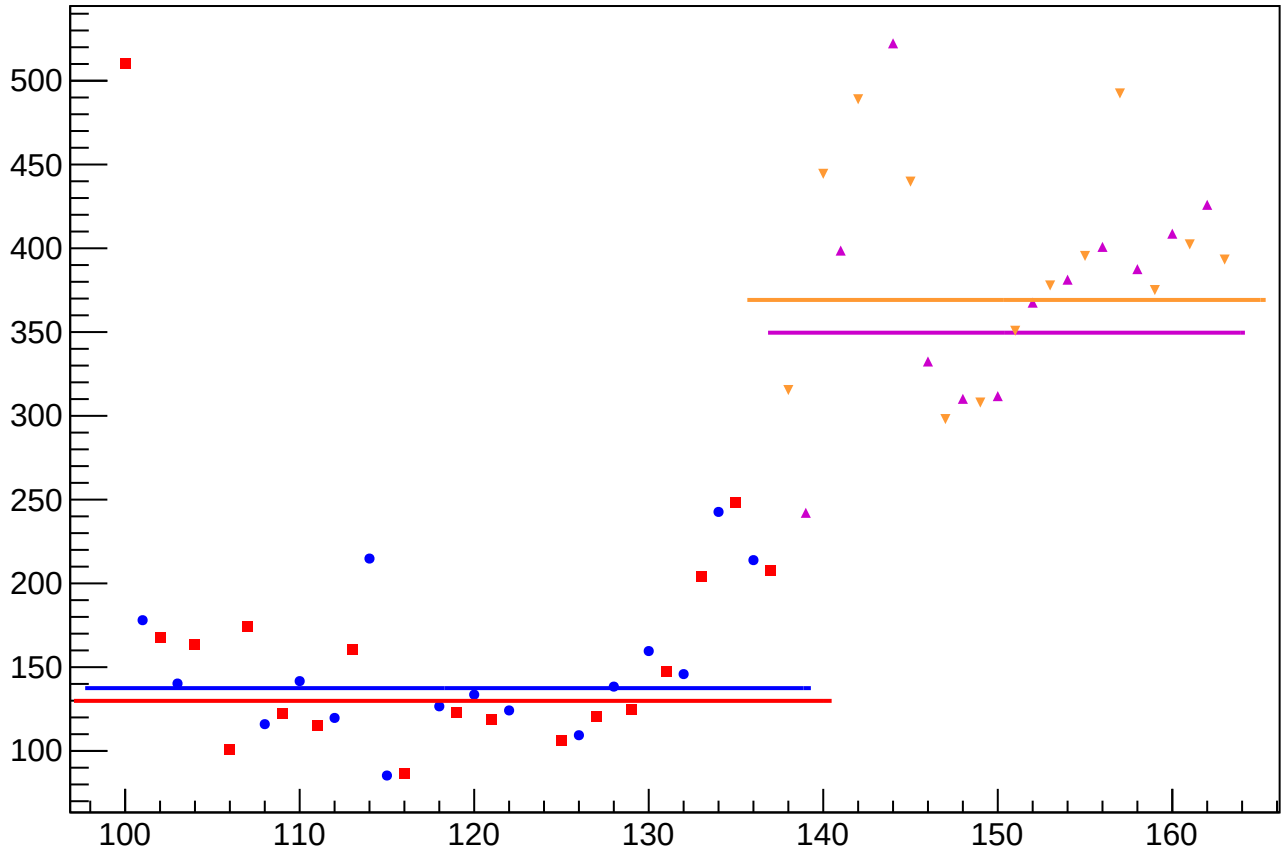
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.042+/-0.112 χ^2/NDF:13.8/11

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.030+/-0.034 χ^2/NDF: 77.4/58

- sign -0.031+/-0.048 χ^2/NDF: 40.6/29



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

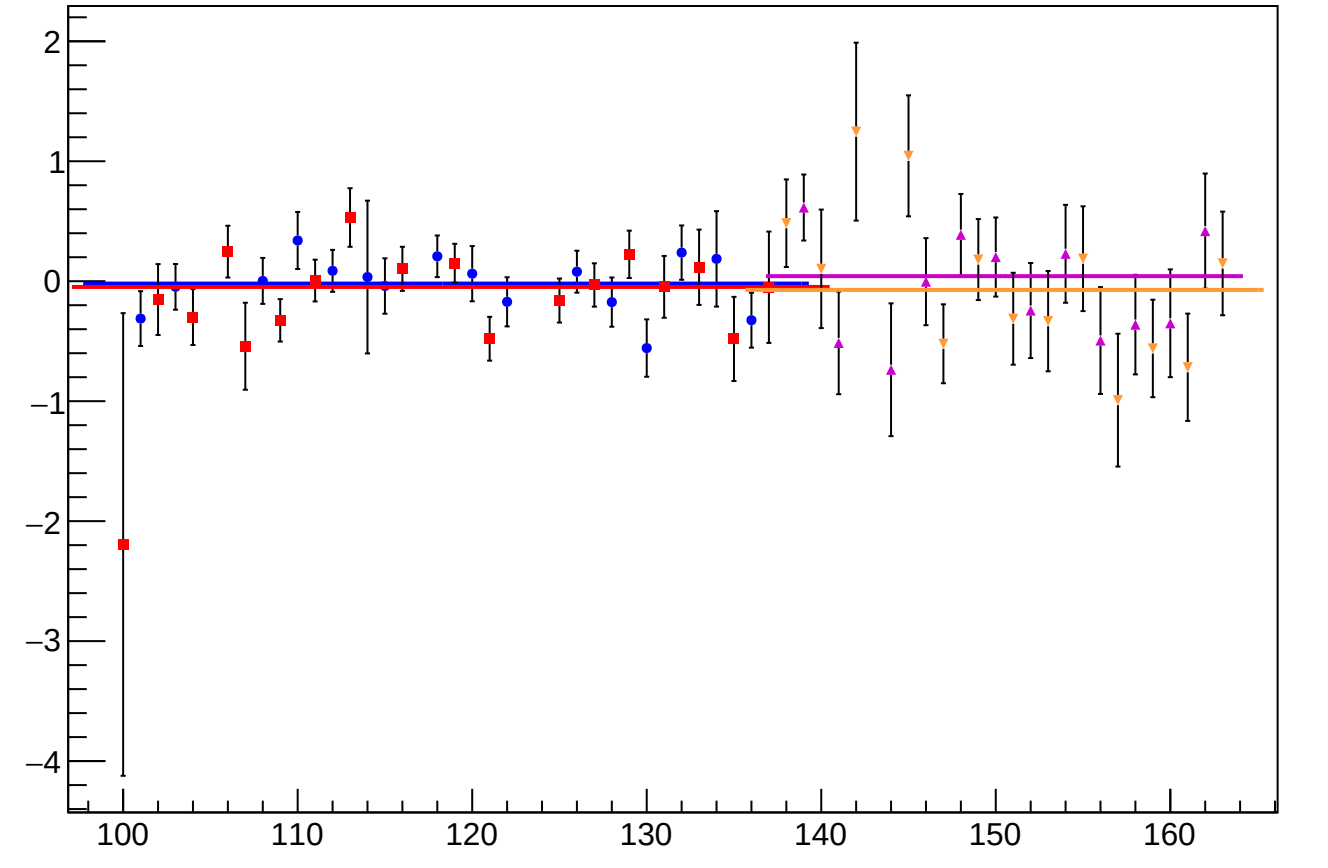
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 349.629+/-0.079 χ^2/NDF:728580.4/11

+ sign 178.325+/-0.035 χ^2/NDF: 7602345.8/28

All: 173.776+/-0.024 χ^2/NDF: 1552058

- sign 169.532+/-0.034 χ^2/NDF: 7885184.9/29



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.072+/-0.117 χ^2/NDF:20.6/12

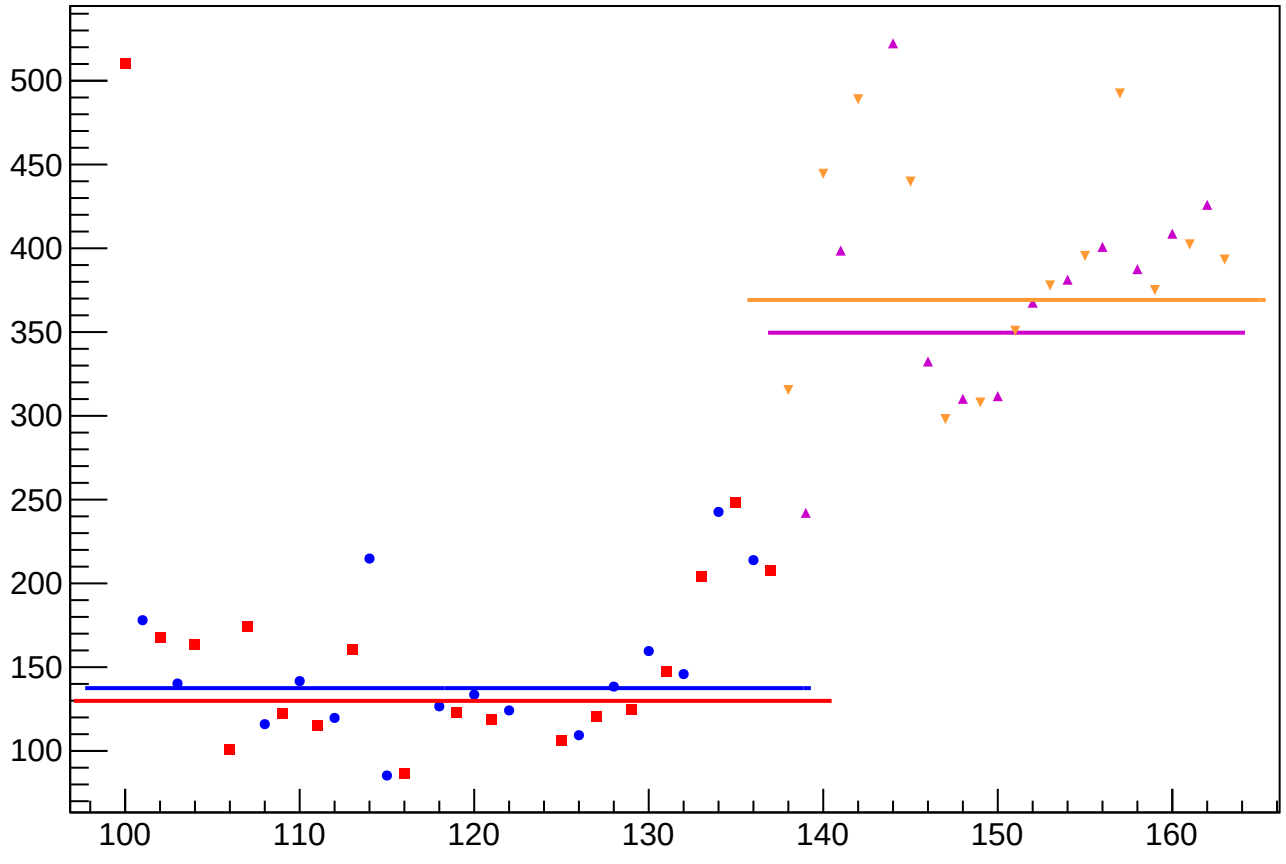
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.042+/-0.112 χ^2/NDF:13.8/11

+ sign -0.029+/-0.049 χ^2/NDF: 36.8/28

All: -0.030+/-0.034 χ^2/NDF: 77.4/58

- sign -0.031+/-0.048 χ^2/NDF: 40.6/29



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

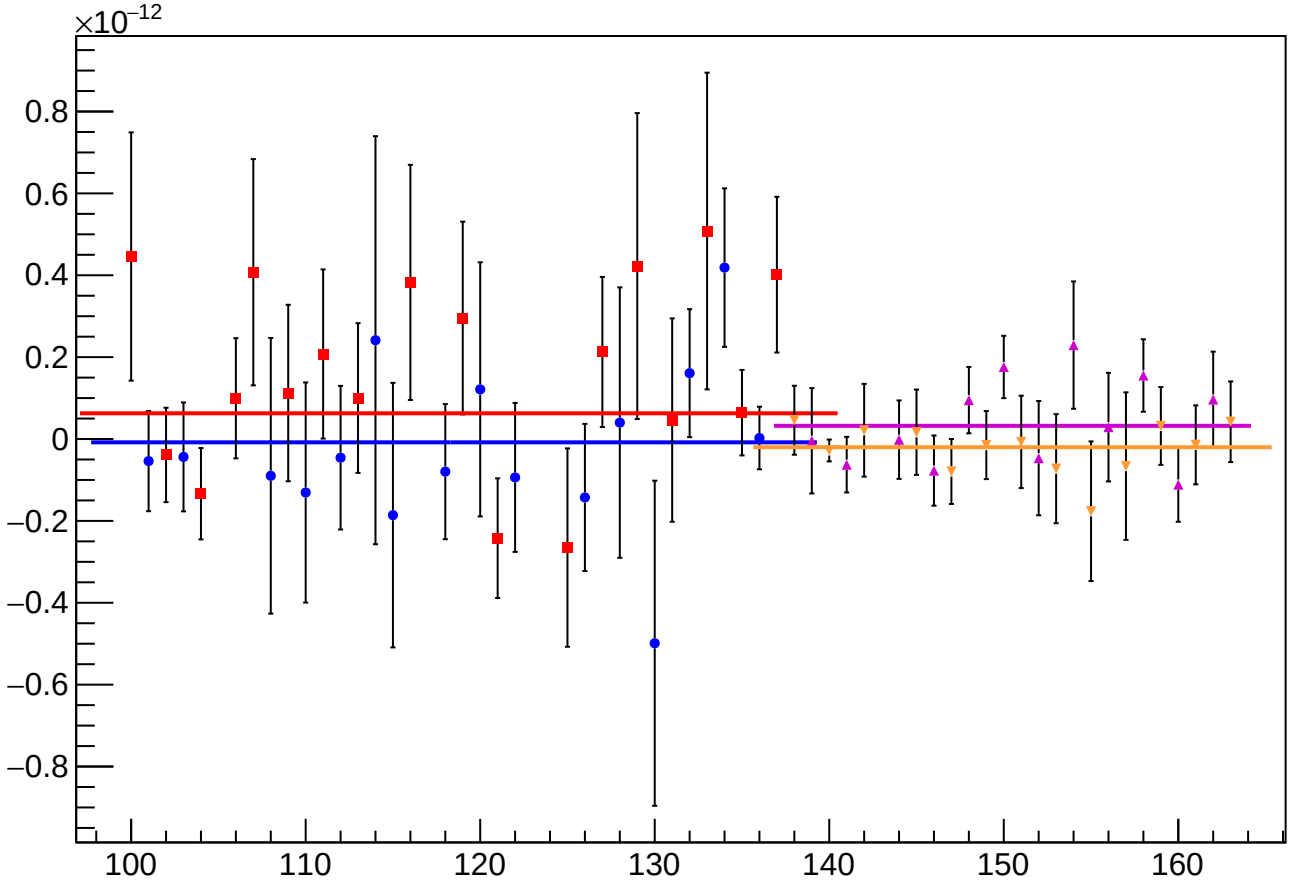
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 349.629+/-0.079 χ^2/NDF:728580.4/11

+ sign 178.325+/-0.035 χ^2/NDF: 7602345.8/28

All: 173.776+/-0.024 χ^2/NDF: 1520585.4/58

- sign 169.532+/-0.034 χ^2/NDF: 7885184.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/12

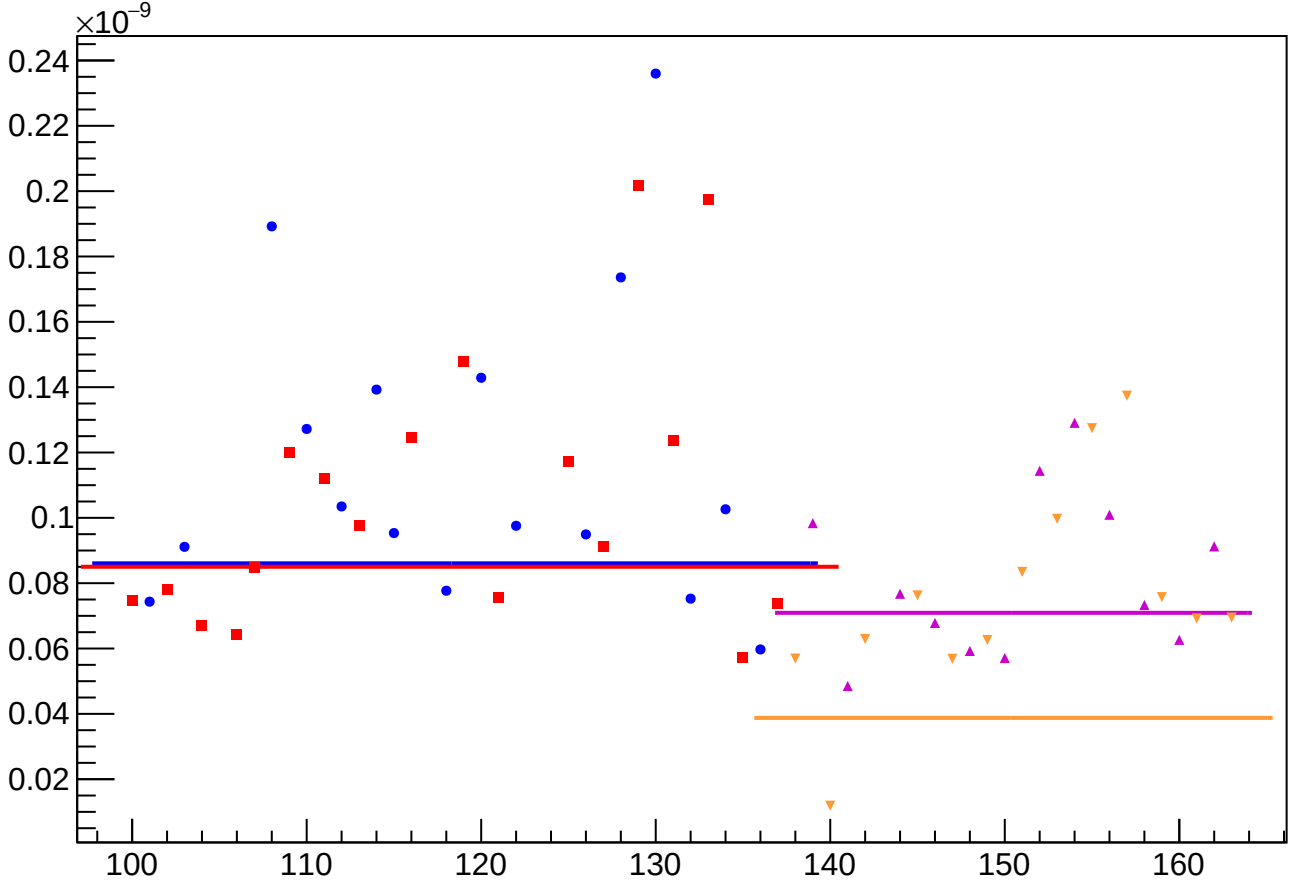
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:14.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 13.2/28

All: 0.000+/-0.000 χ^2/NDF: 54.5/58

- sign 0.000+/-0.000 χ^2/NDF: 37.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5310937.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

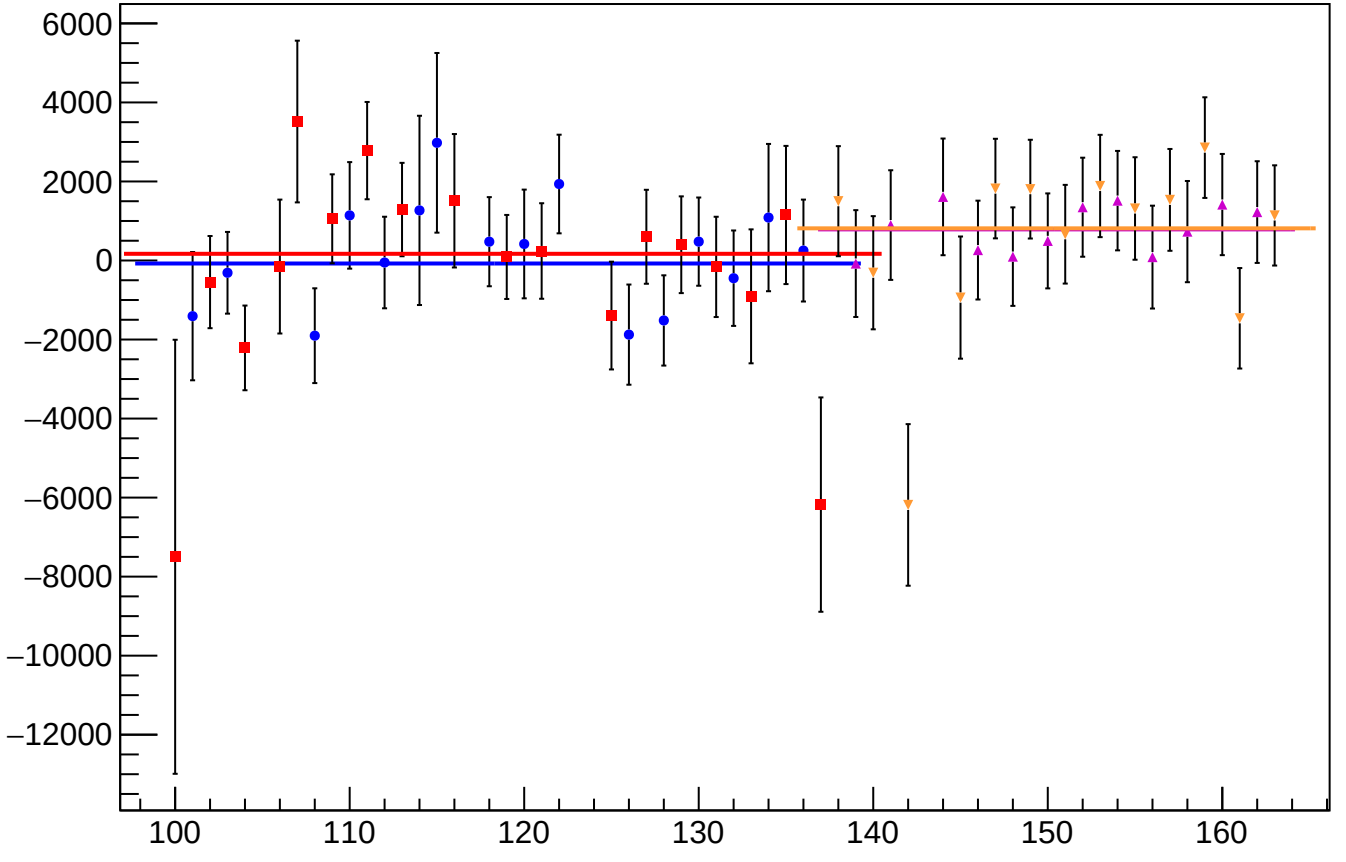
Left In: 0.000+/-0.000 χ^2/NDF:1080492.2/11

\+ sign 0.000+/-0.000 χ^2/NDF: 8419969.5/28

All: 0.000+/-0.000 χ^2/NDF: 12479355.3/58

\- sign 0.000+/-0.000 χ^2/NDF: 2222769.0/29

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 813.828+/-372.073 χ^2/NDF:22.1/12

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

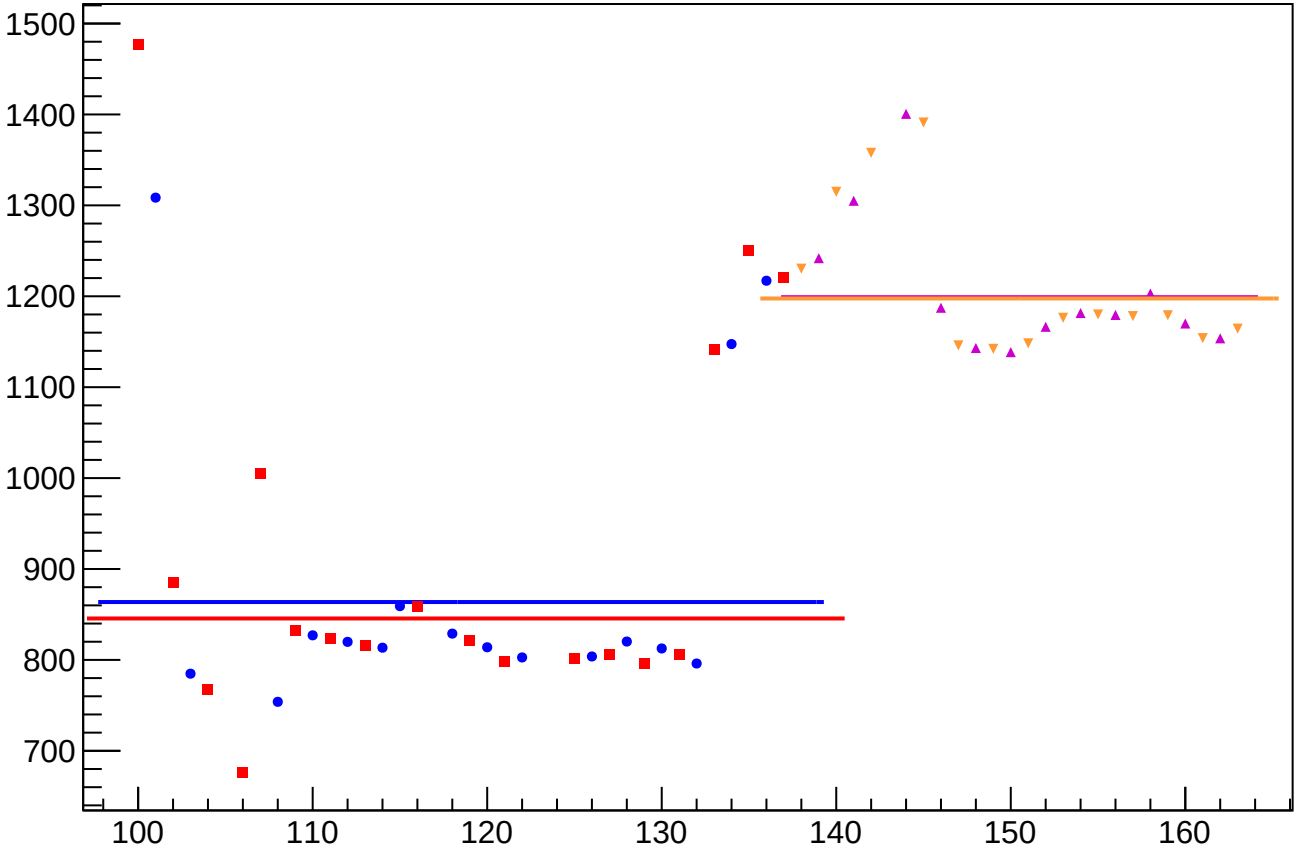
Left In: 786.927+/-373.119 χ^2/NDF:2.4/11

+ sign 310.775+/-245.294 χ^2/NDF: 38.7/28

All: 372.186+/-172.882 χ^2/NDF: 67.2/58

- sign 432.801+/-243.699 χ^2/NDF: 28.4/29

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

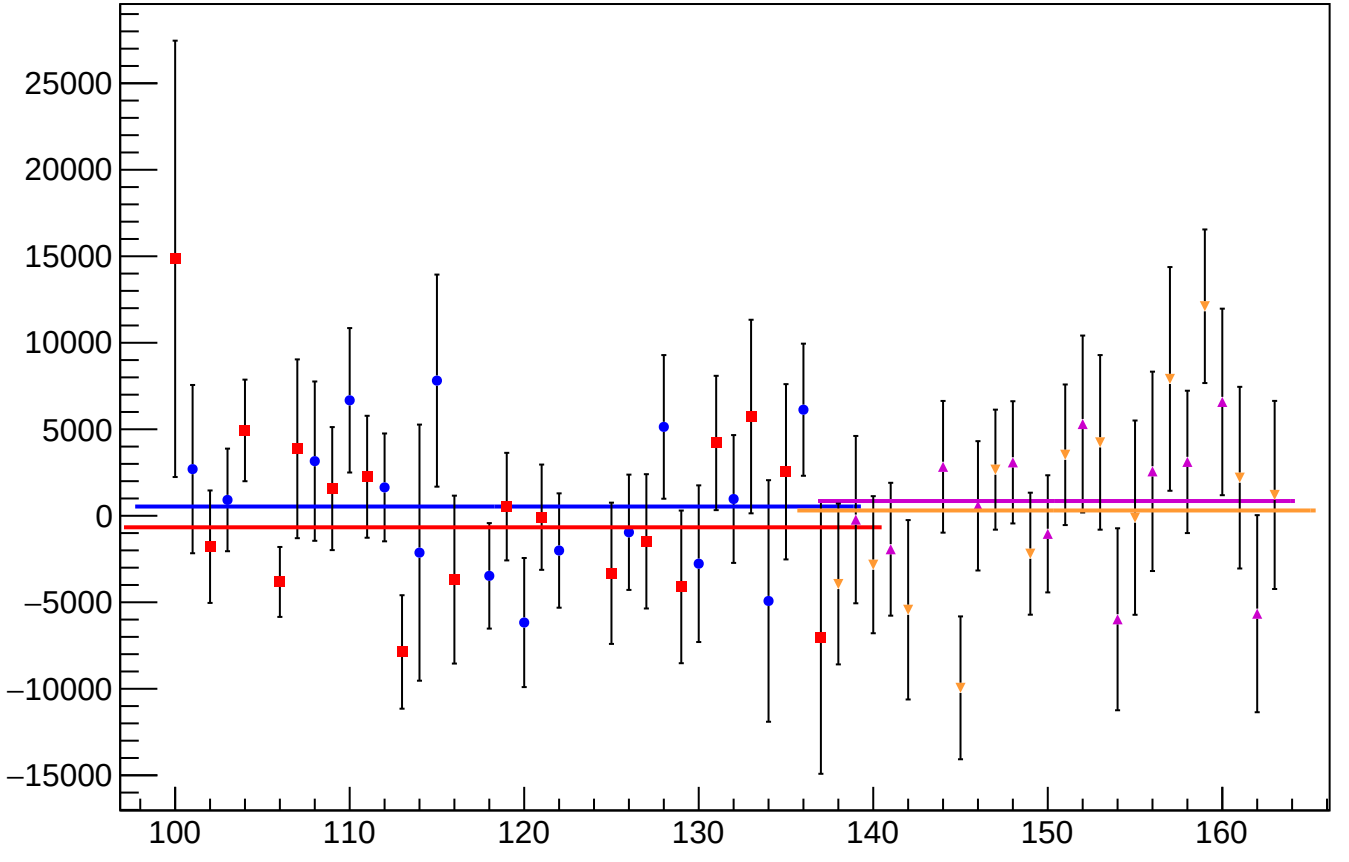
Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.6/28

All: 1001.399+/-0.122 χ^2/NDF: 2809570.8/58

- sign 994.210+/-0.171 χ^2/NDF: 1413720.1/29

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.393 χ^2/NDF:19.7/12

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

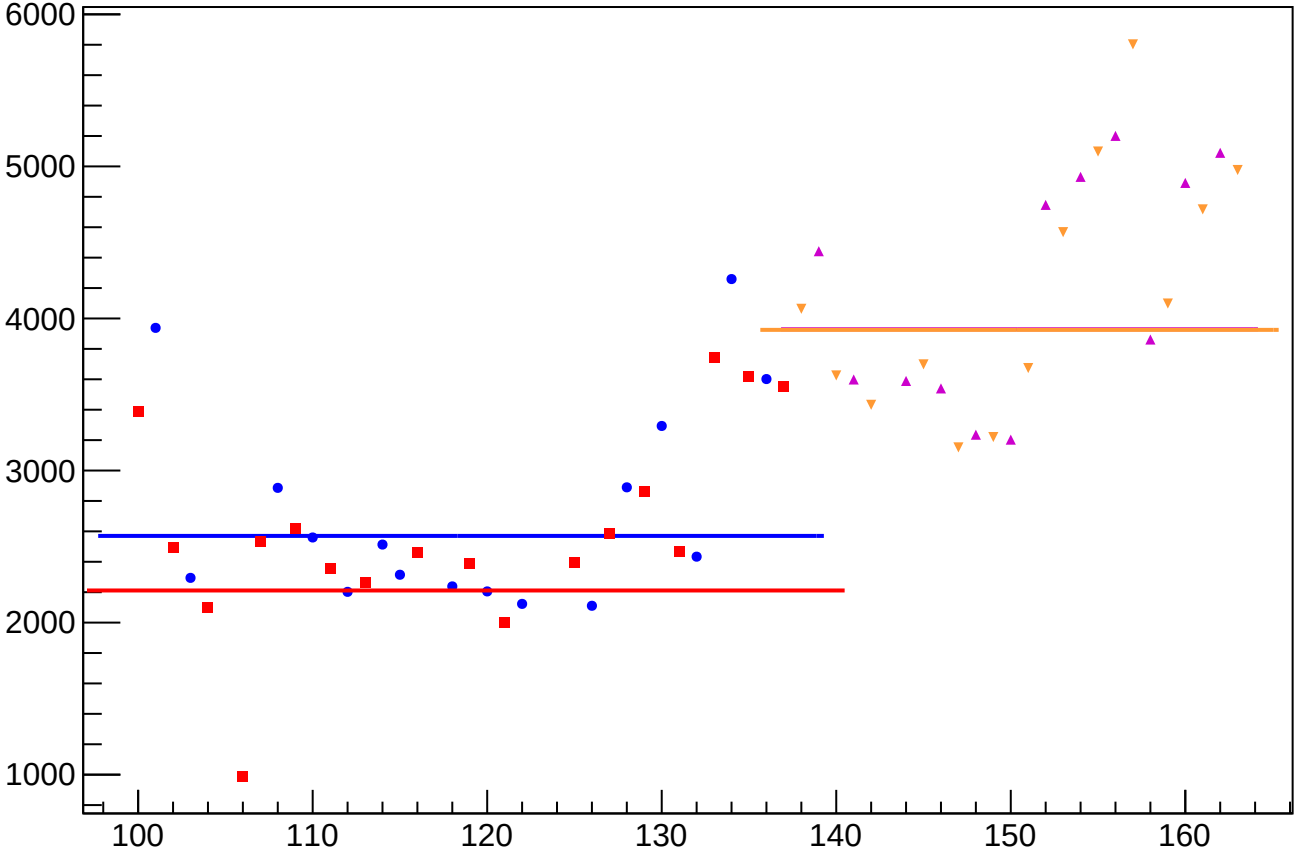
Left In: 853.253+/-1242.893 χ^2/NDF:6.8/11

+ sign 447.172+/-770.537 χ^2/NDF: 34.3/28

All: 113.271+/-522.123 χ^2/NDF: 62.5/58

- sign -170.198+/-709.965 χ^2/NDF: 27.8/29

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3925.077+/-0.880 χ^2/NDF:635855.0/12

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

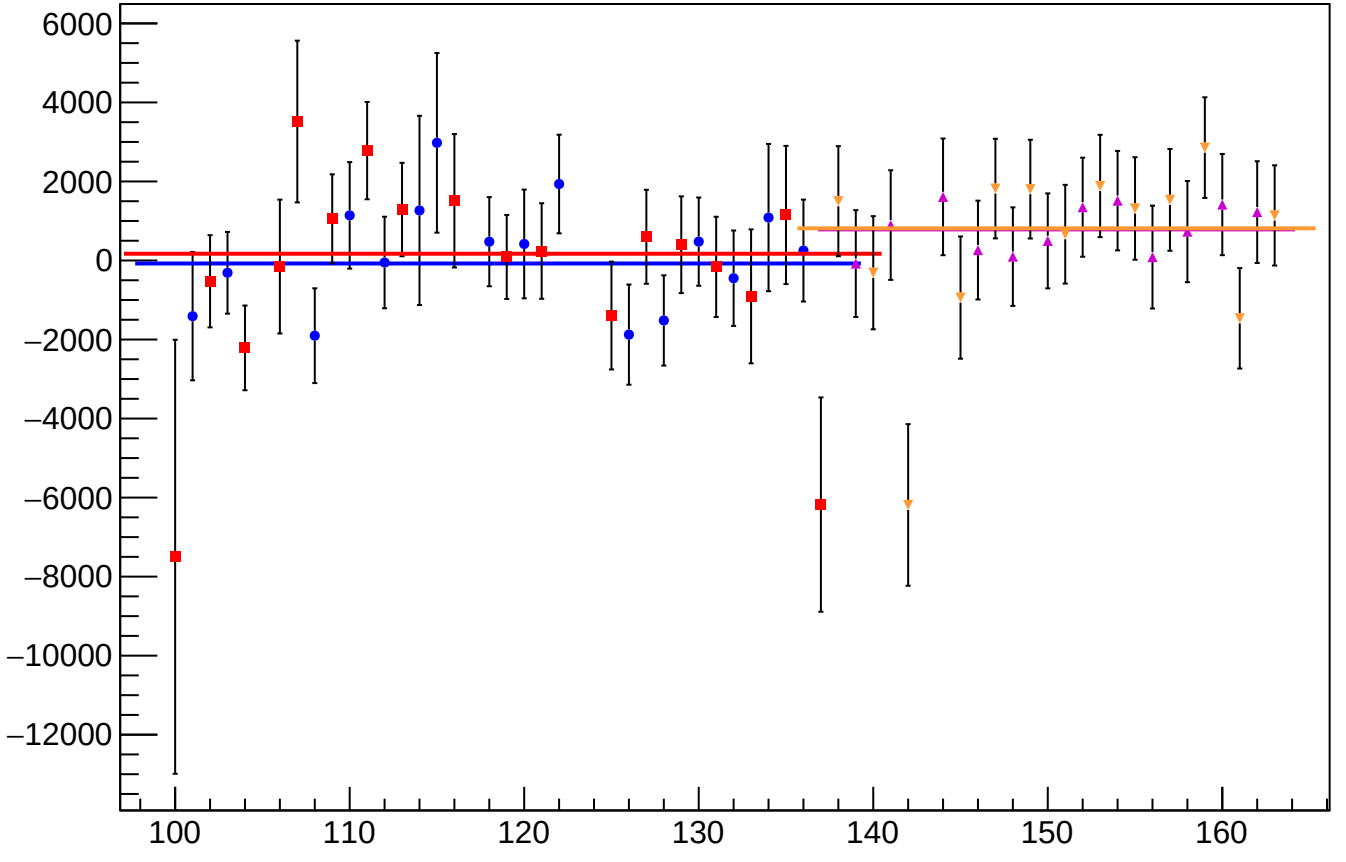
Left In: 3929.162+/-0.879 χ^2/NDF:612377.4/11

+ sign 3089.643+/-0.545 χ^2/NDF: 2760334.5/28

All: 2917.742+/-0.369 χ^2/NDF: 7394954.0/58

- sign 2771.804+/-0.502 χ^2/NDF: 4450572.3/29

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

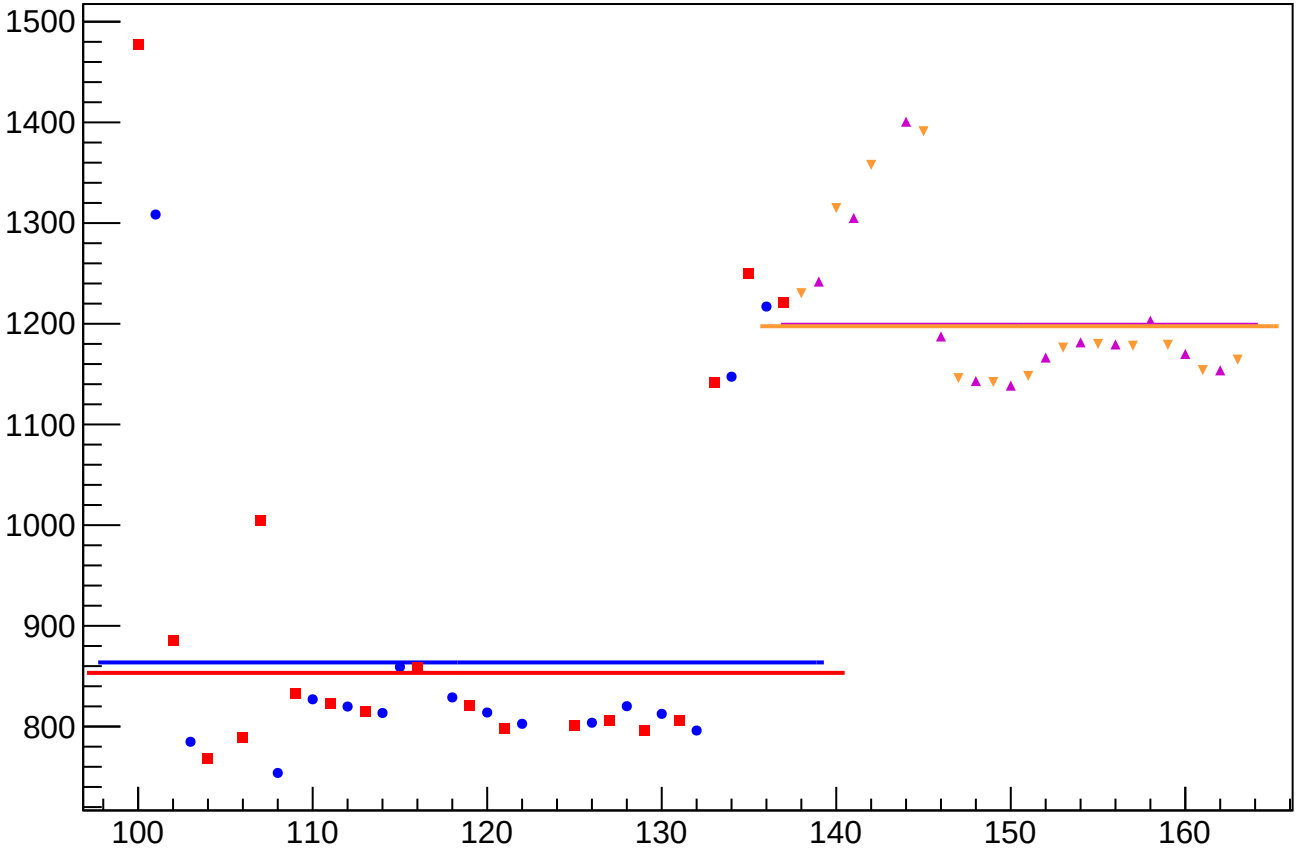
Left In: 786.921+/-373.119 χ^2/NDF:2.5/11

+ sign 310.714+/-245.294 χ^2/NDF: 38.7/28

All: 372.628+/-172.883 χ^2/NDF: 67.2/58

- sign 433.741+/-243.701 χ^2/NDF: 28.4/29

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

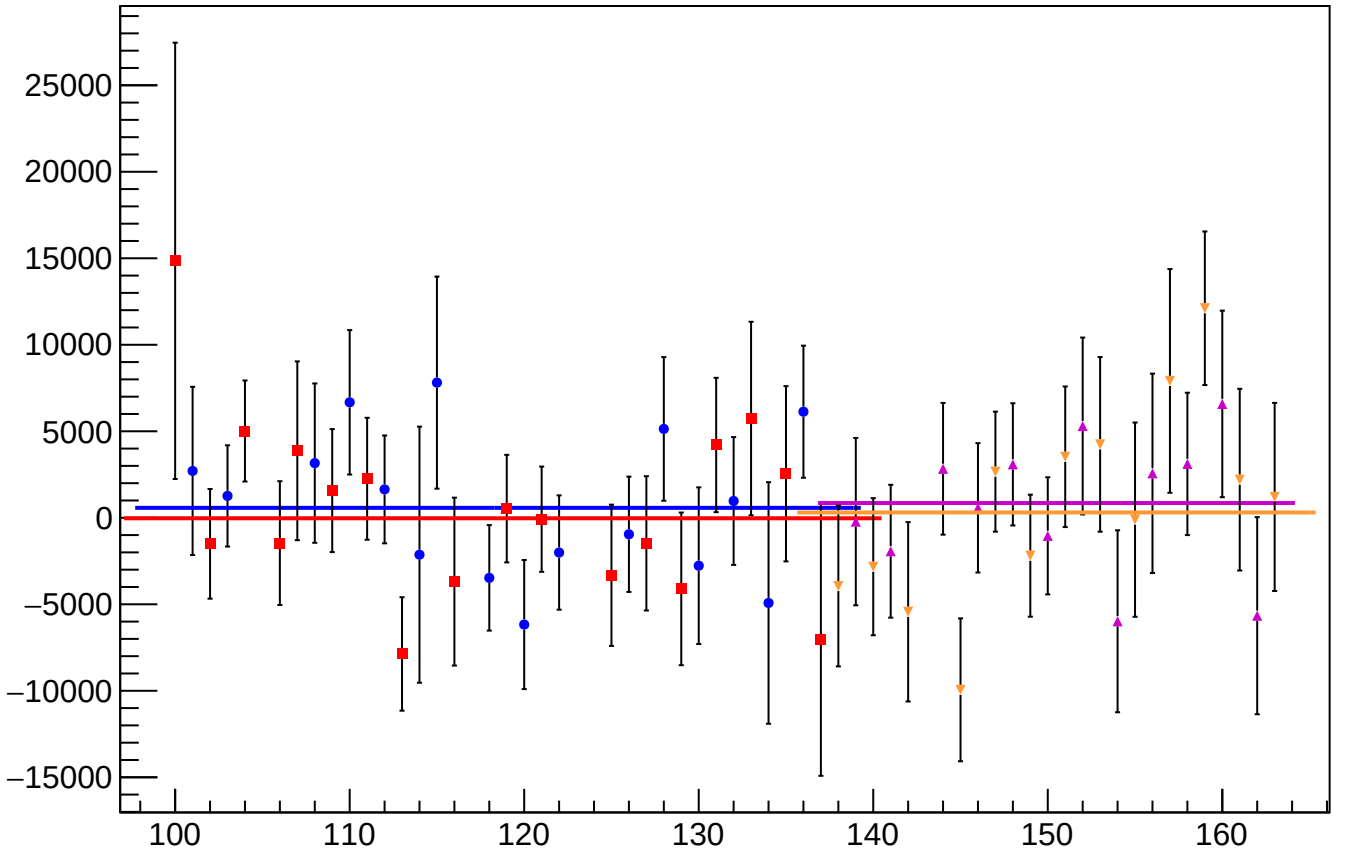
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.7/28

All: 1004.304+/-0.122 χ^2/NDF: 2723922.7/58

- sign 999.905+/-0.172 χ^2/NDF: 1330328.3/29



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

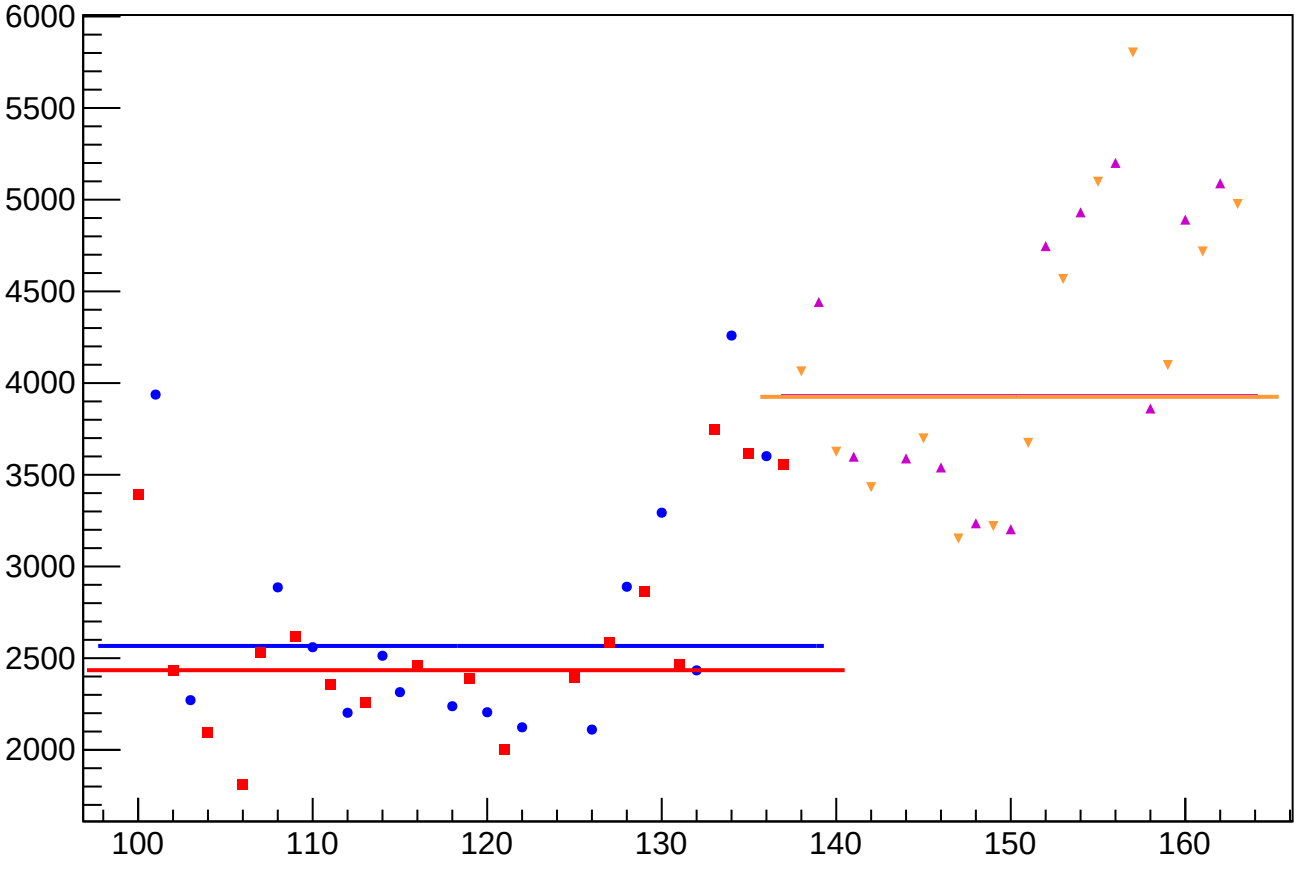
Left In: 853.290+/-1242.891 χ^2/NDF:6.8/11

+ sign 472.302+/-769.841 χ^2/NDF: 34.4/28

All: 374.753+/-533.706 χ^2/NDF: 58.8/58

- sign 284.485+/-740.557 χ^2/NDF: 24.4/29

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

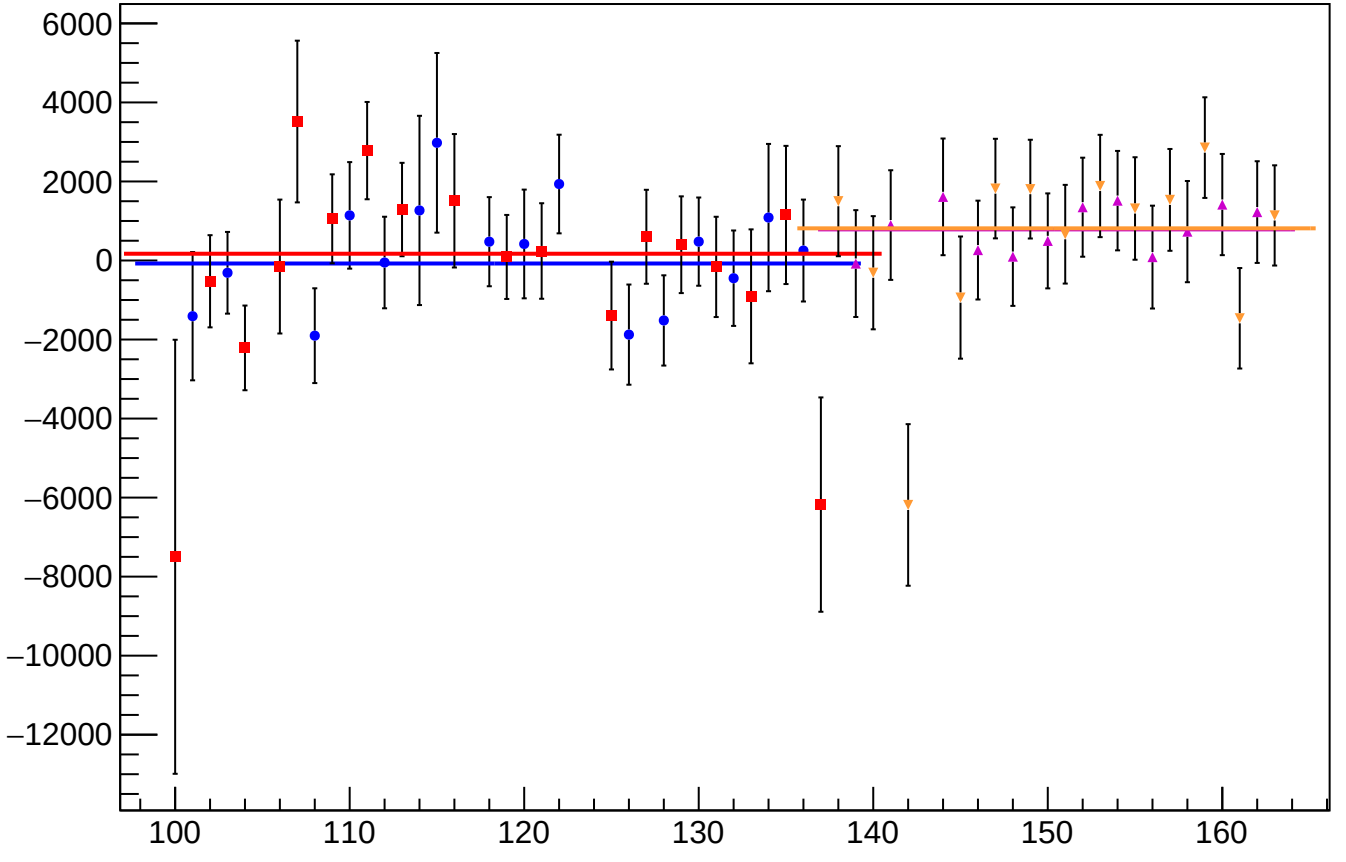
Left In: 3929.158+/-0.879 χ^2/NDF:612379.7/11

+ sign 3086.605+/-0.544 χ^2/NDF: 2772720.8/28

All: 3023.491+/-0.377 χ^2/NDF: 5710732.2/58

- sign 2965.086+/-0.524 χ^2/NDF: 2912129.0/29

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

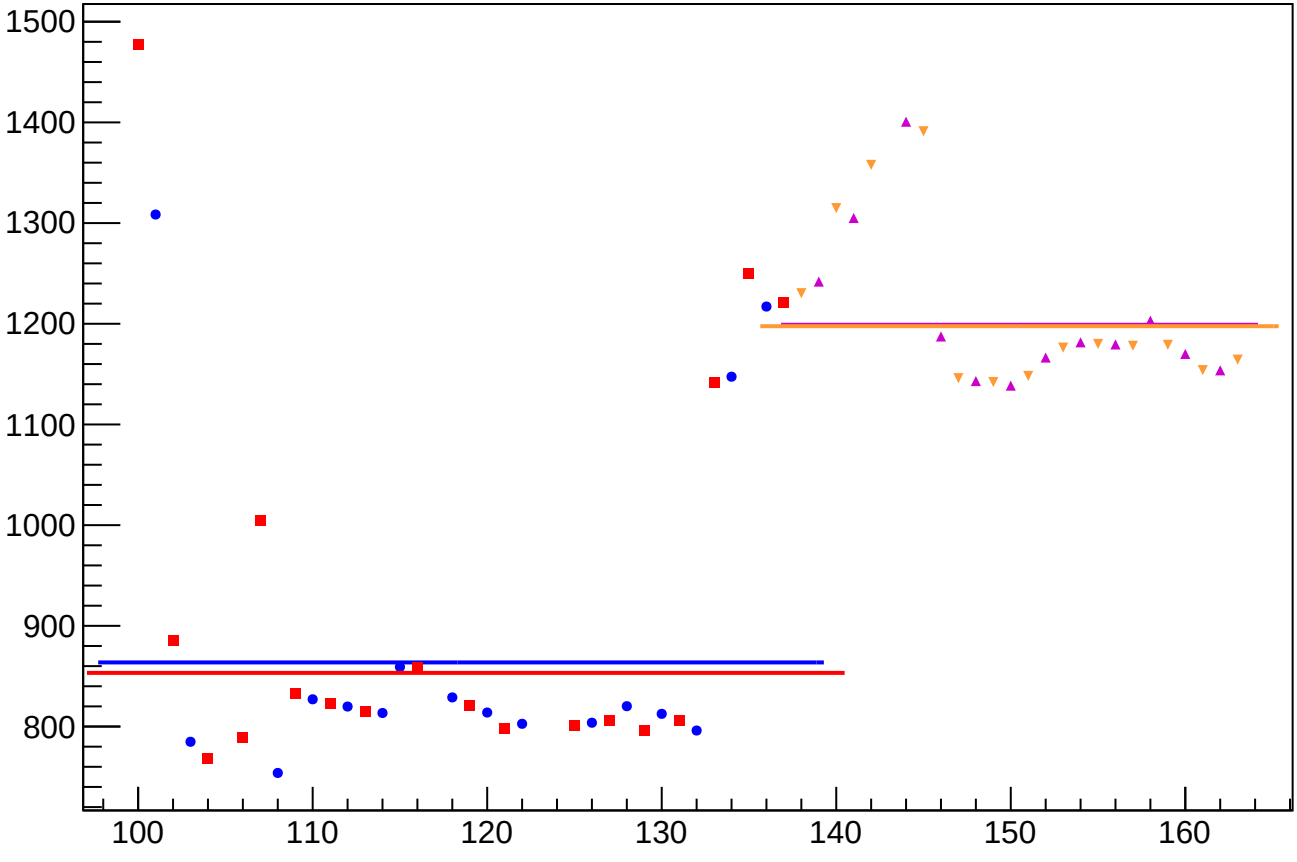
Left In: 786.921+/-373.119 χ^2/NDF:2.5/11

\+ sign 310.714+/-245.294 χ^2/NDF: 38.7/28

All: 372.628+/-172.883 χ^2/NDF: 67.2/58

\- sign 433.741+/-243.701 χ^2/NDF: 28.4/29

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

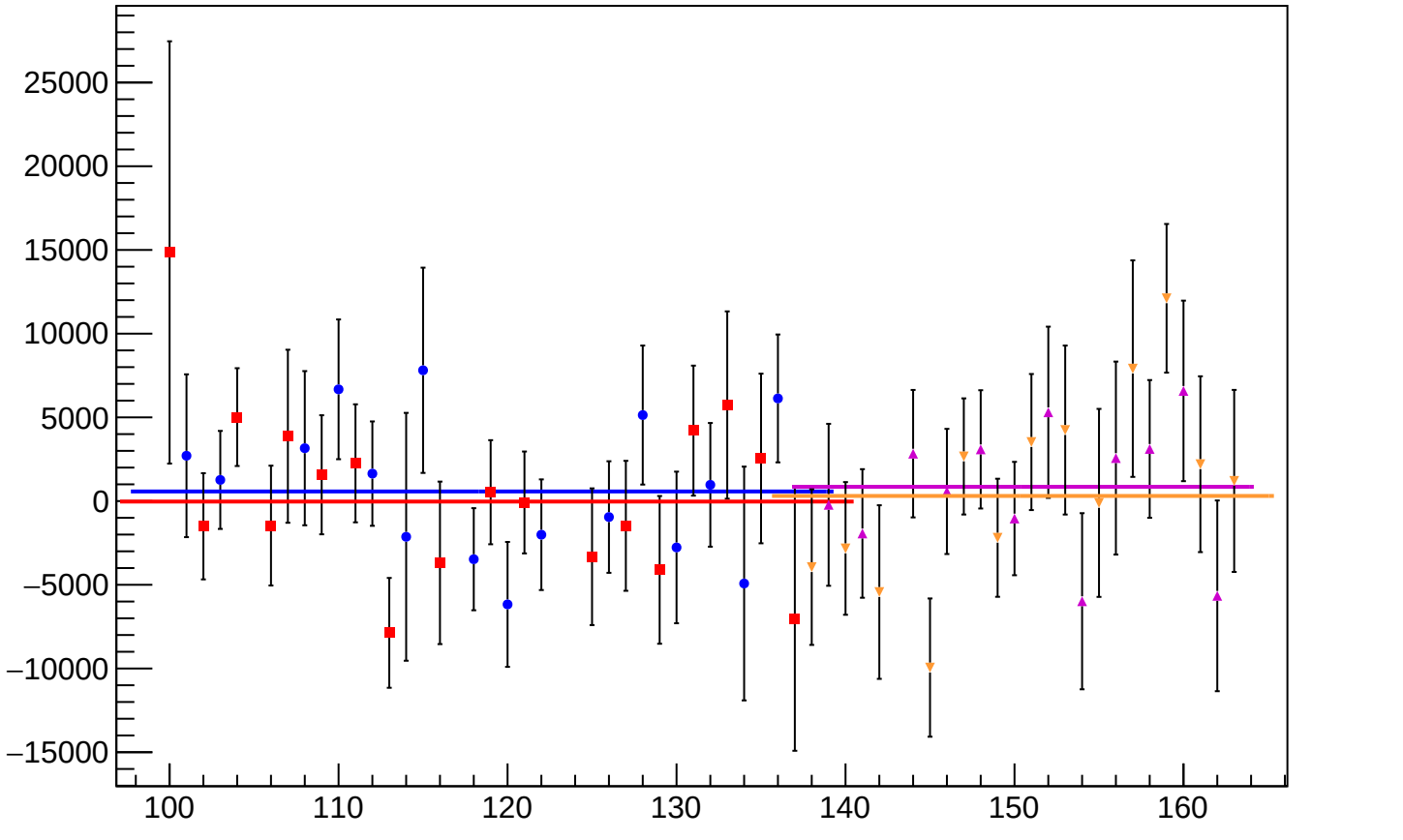
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

+ sign 1008.788+/-0.173 χ^2/NDF: 1392270.7/28

All: 1004.304+/-0.122 χ^2/NDF: 2723922.7/58

- sign 999.905+/-0.172 χ^2/NDF: 1330328.3/29



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

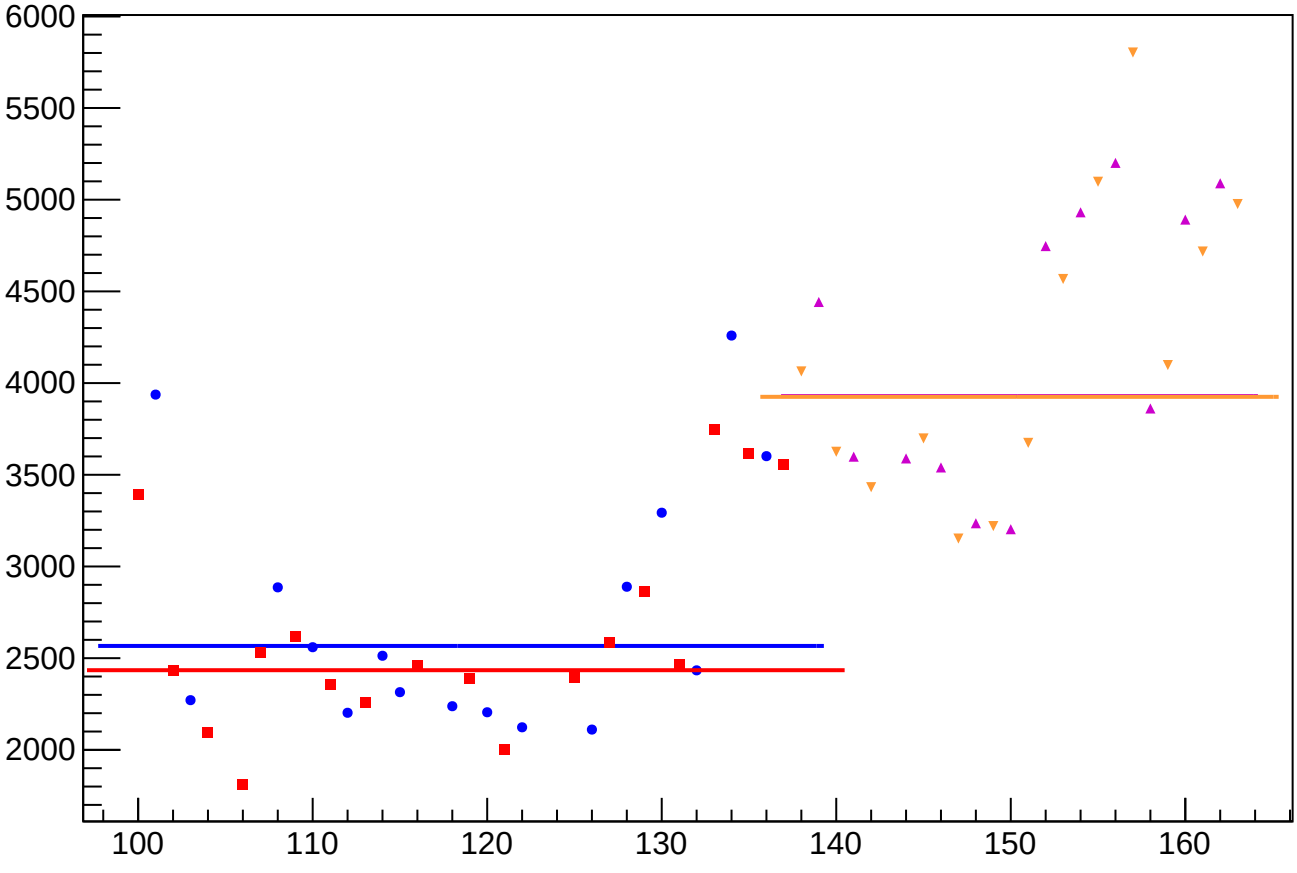
Left In: 853.290+/-1242.891 χ^2/NDF:6.8/11

+ sign 472.302+/-769.841 χ^2/NDF: 34.4/28

All: 374.753+/-533.706 χ^2/NDF: 58.8/58

- sign 284.485+/-740.557 χ^2/NDF: 24.4/29

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

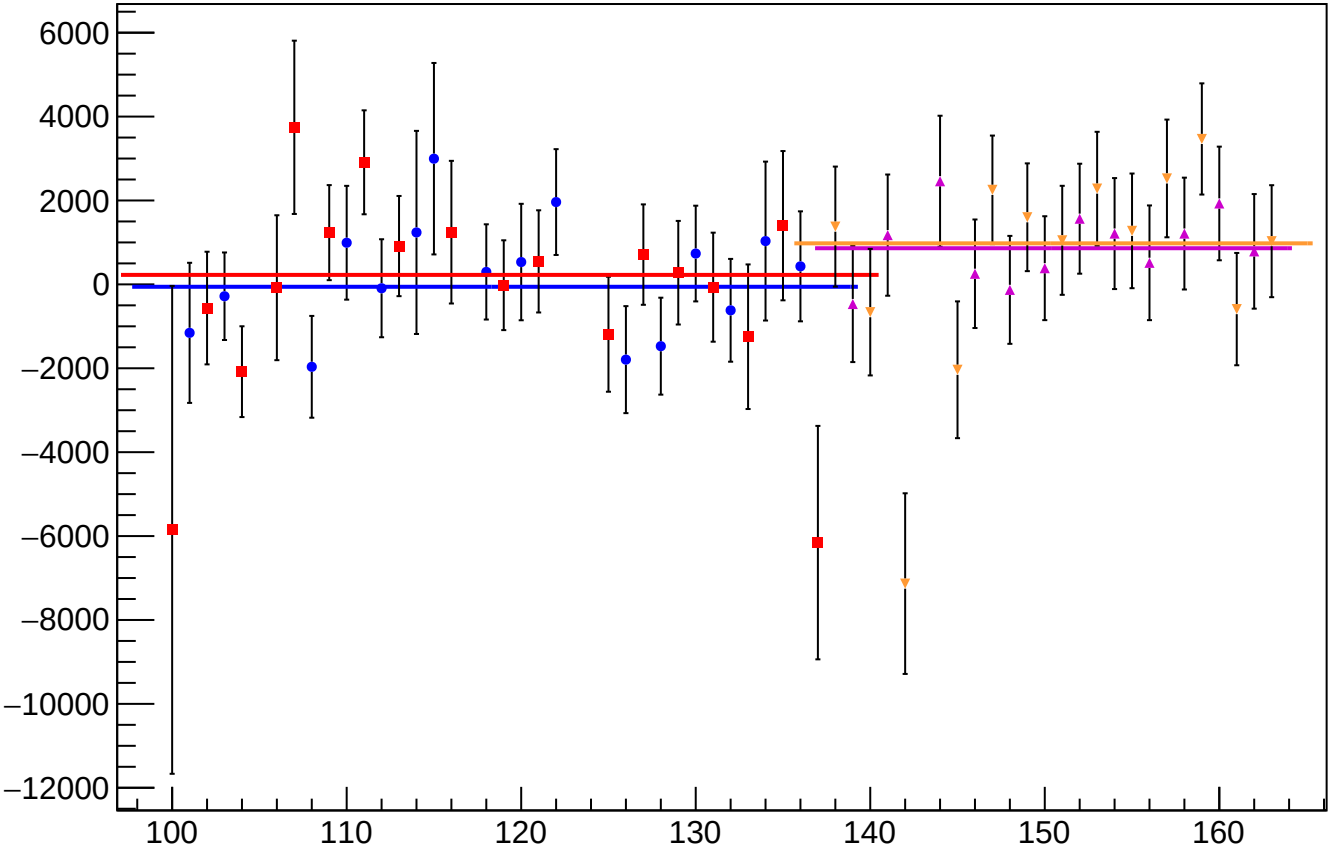
Left In: 3929.158+/-0.879 χ^2/NDF:612379.7/11

+ sign 3086.605+/-0.544 χ^2/NDF: 2772720.8/28

All: 3023.491+/-0.377 χ^2/NDF: 5710732.2/58

- sign 2965.086+/-0.524 χ^2/NDF: 2912129.0/29

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.219+/-389.453 χ^2/NDF:27.2/12

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

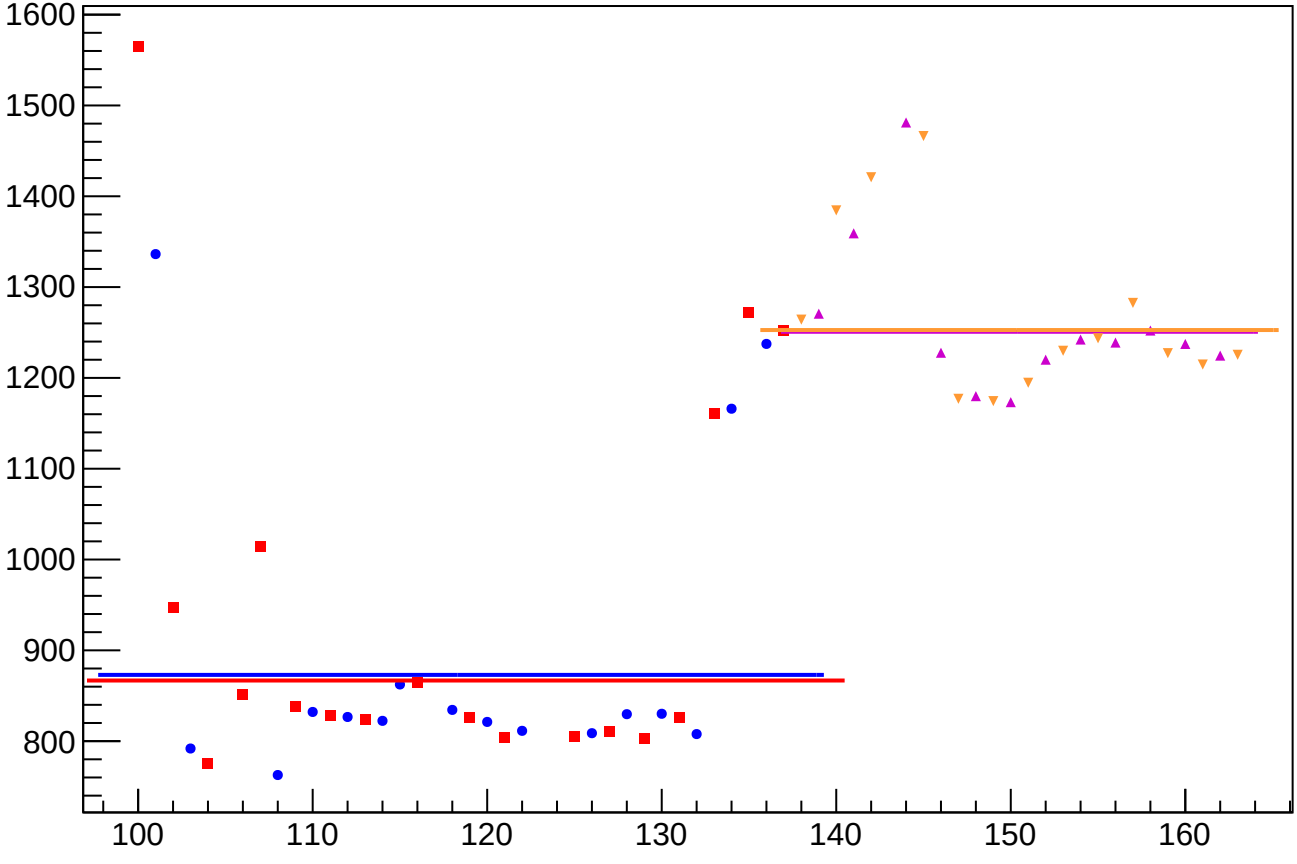
Left In: 861.614+/-389.338 χ^2/NDF:4.1/11

+ sign 375.657+/-251.809 χ^2/NDF: 44.3/28

All: 433.020+/-177.726 χ^2/NDF: 72.9/58

- sign 489.960+/-250.878 χ^2/NDF: 28.6/29

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1252.699+/-0.275 χ^2/NDF:84952.8/12

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

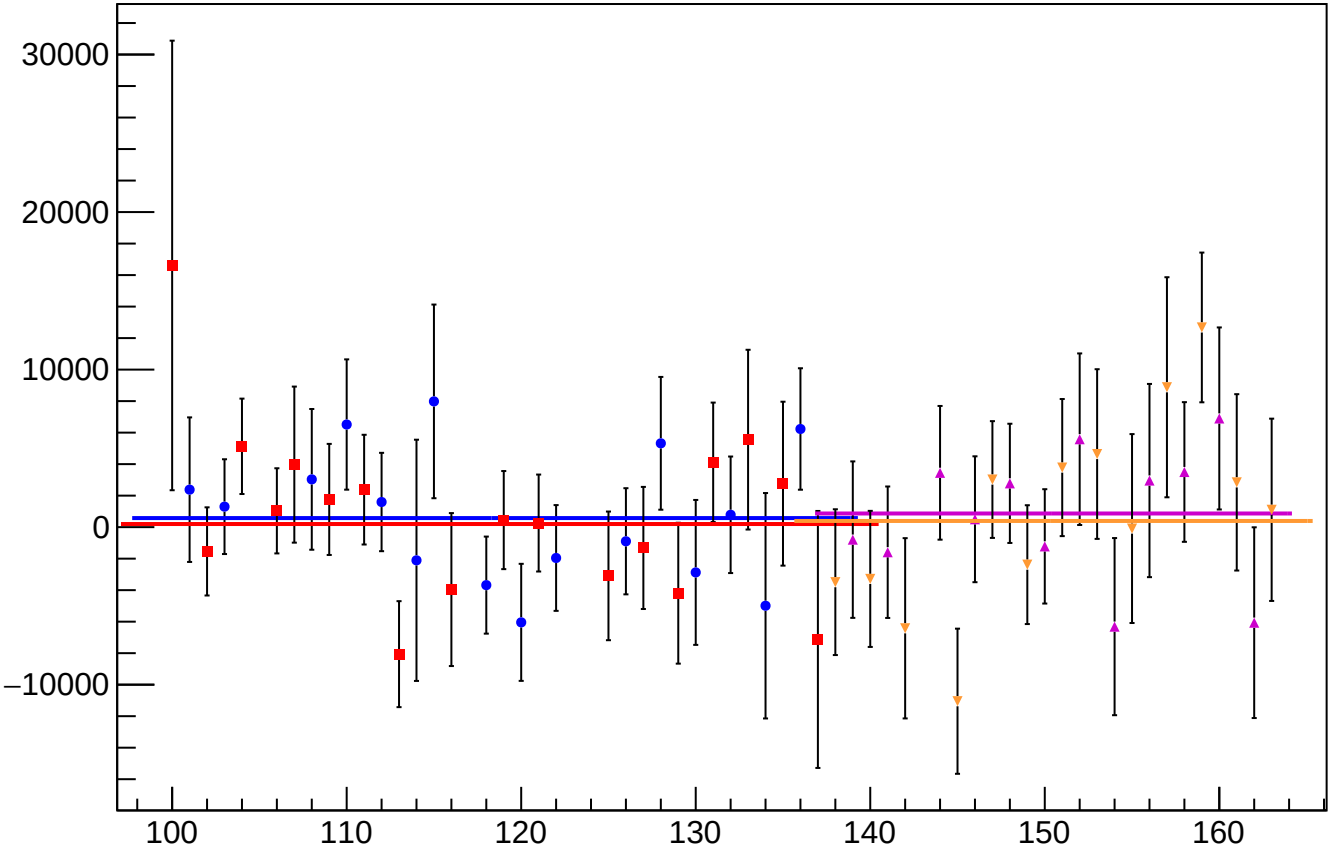
Left In: 1250.801+/-0.275 χ^2/NDF:72056.8/11

+ sign 1031.718+/-0.178 χ^2/NDF: 1608540.2/28

All: 1028.868+/-0.126 χ^2/NDF: 3110322.6/58

- sign 1026.042+/-0.177 χ^2/NDF: 1501272.2/29

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 392.171+/-1332.993 χ^2/NDF:19.7/12

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

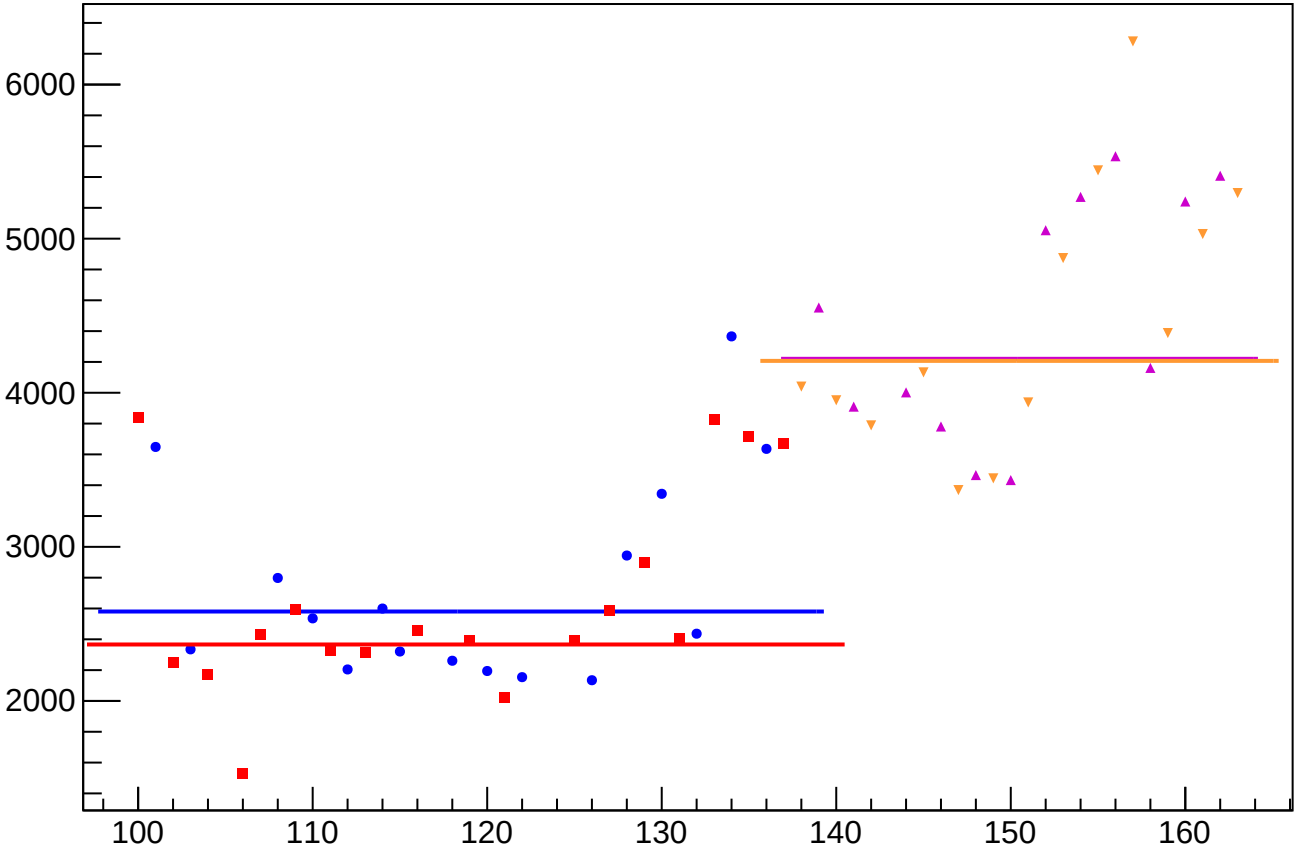
Left In: 866.555+/-1333.890 χ^2/NDF:6.7/11

+ sign 510.613+/-792.128 χ^2/NDF: 34.4/28

All: 454.533+/-541.801 χ^2/NDF: 58.4/58

- sign 405.233+/-742.702 χ^2/NDF: 24.0/29

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4206.832+/-0.943 χ^2/NDF:621559.0/12

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

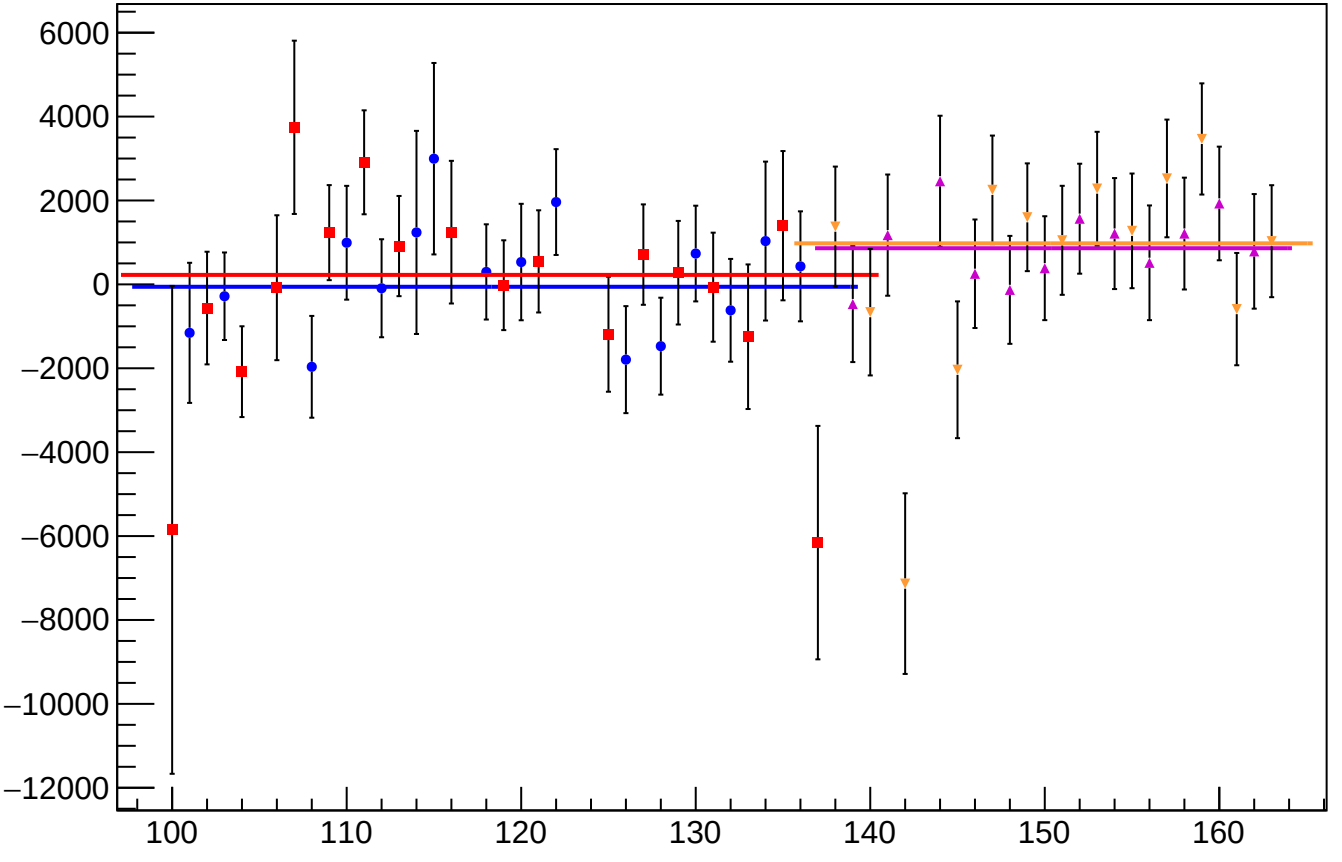
Left In: 4220.240+/-0.943 χ^2/NDF:571628.5/11

+ sign 3154.728+/-0.560 χ^2/NDF: 3164801.1/28

All: 3041.060+/-0.383 χ^2/NDF: 7090929.2/58

- sign 2941.136+/-0.525 χ^2/NDF: 3848742.6/29

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.221+/-389.453 χ^2/NDF:27.2/12

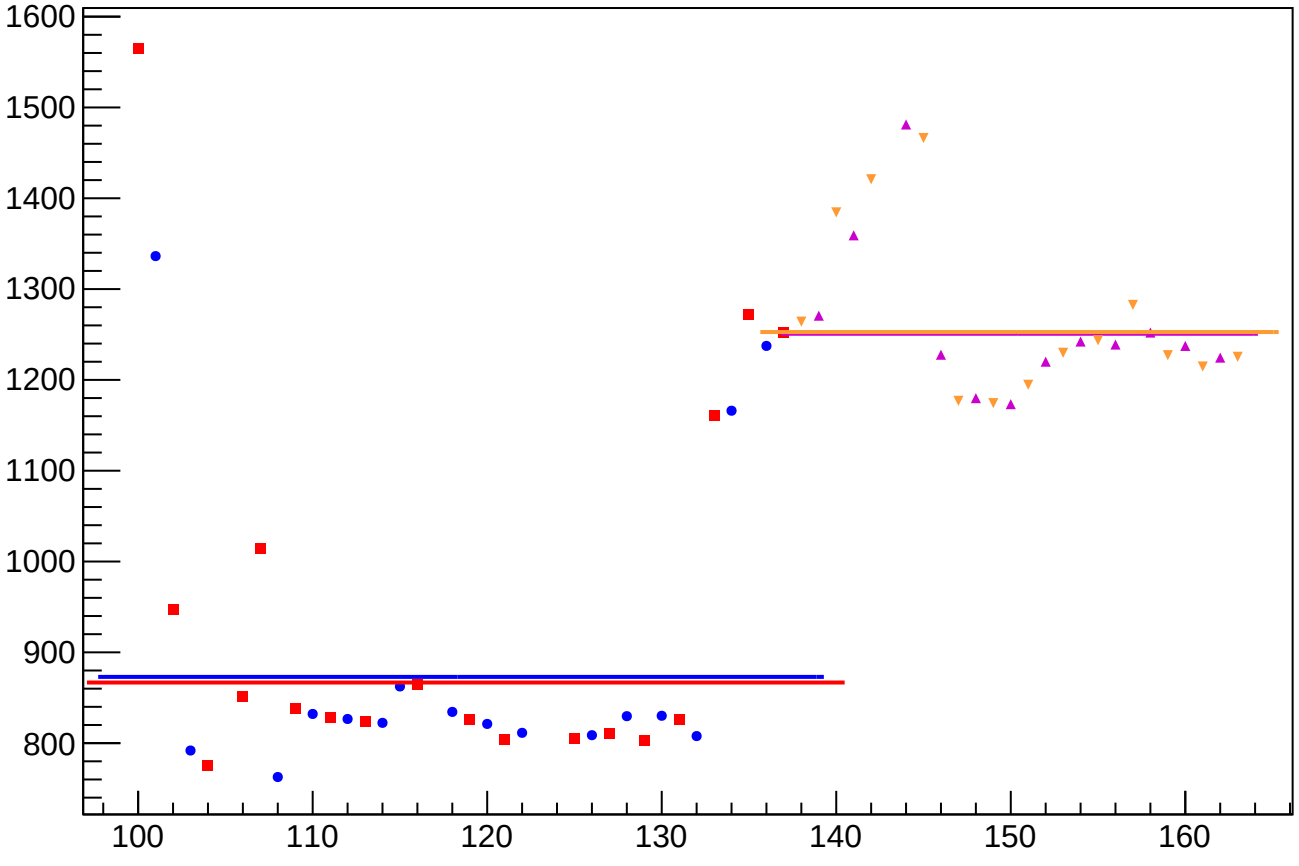
Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: 861.613+/-389.338 χ^2/NDF:4.1/11

+ sign 375.655+/-251.809 χ^2/NDF: 44.3/28

All: 433.020+/-177.726 χ^2/NDF: 72.9/58

- sign 489.961+/-250.878 χ^2/NDF: 28.6/29



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1252.700+/-0.275 χ^2/NDF:84954.2/12

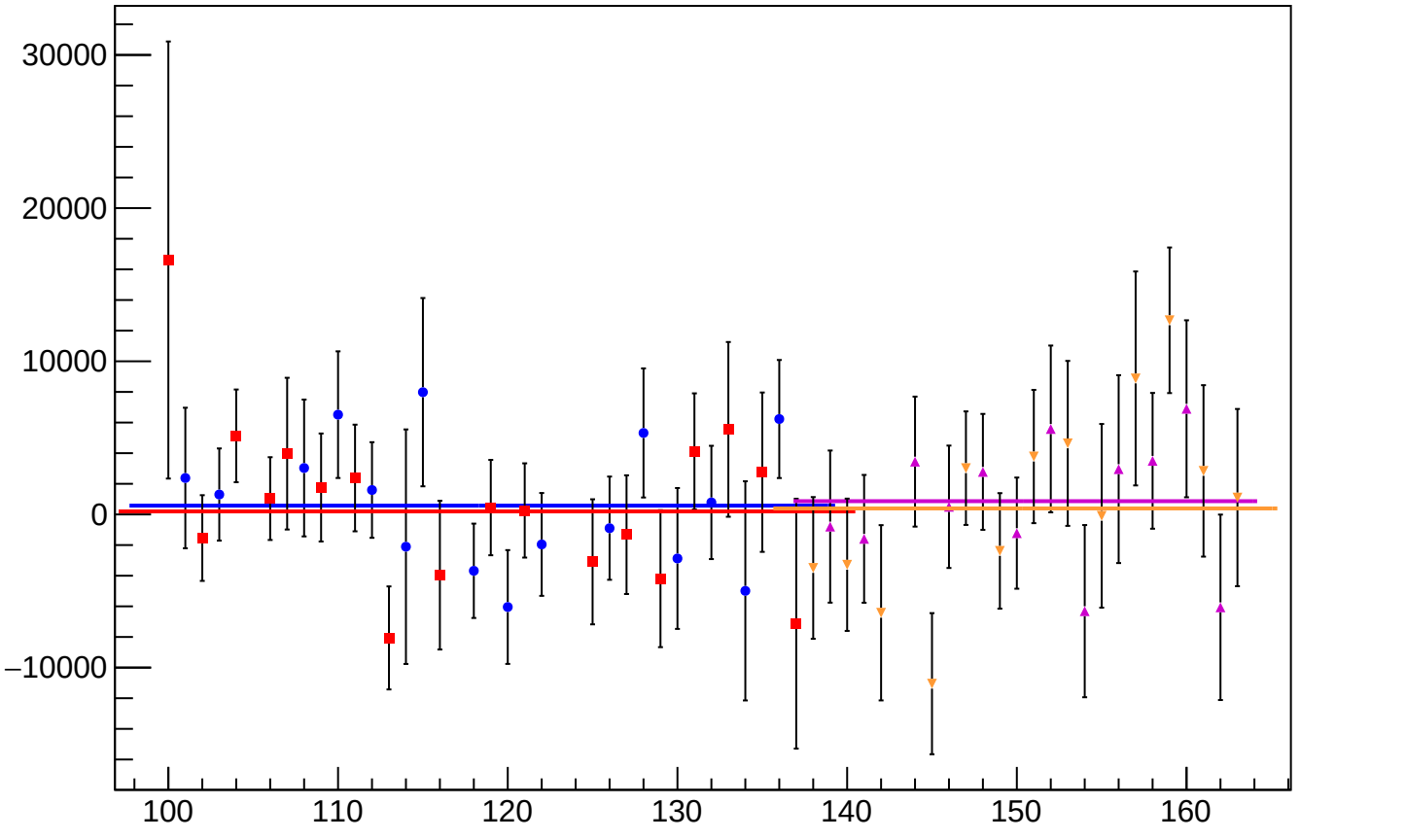
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.803+/-0.275 χ^2/NDF:72057.5/11

+ sign 1031.718+/-0.178 χ^2/NDF: 1608547.7/28

All: 1028.868+/-0.126 χ^2/NDF: 3110337.4/58

- sign 1026.043+/-0.177 χ^2/NDF: 1501279.4/29



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 392.173+/-1332.994 χ^2/NDF:19.7/12

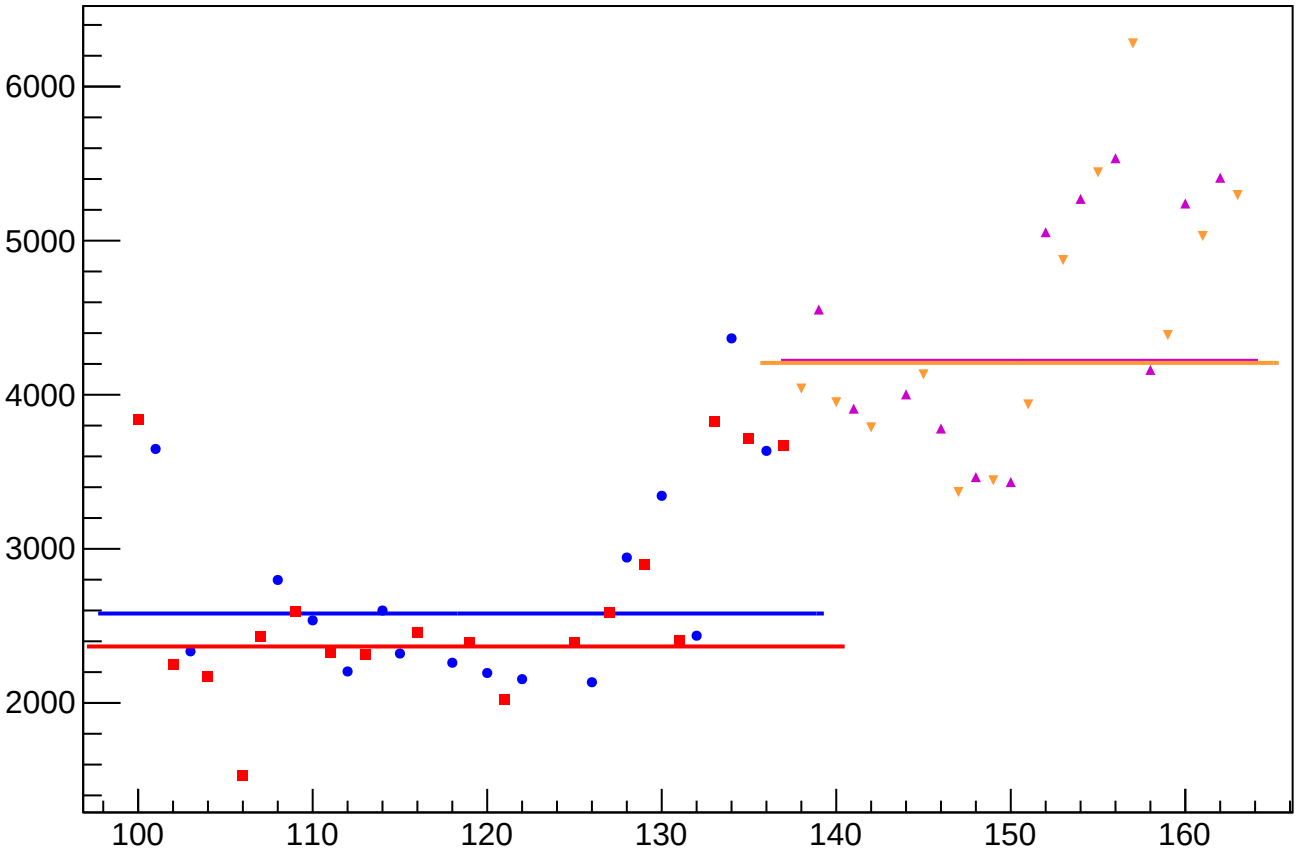
Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: 866.555+/-1333.892 χ^2/NDF:6.7/11

\+ sign 510.611+/-792.127 χ^2/NDF: 34.4/28

All: 454.532+/-541.800 χ^2/NDF: 58.4/58

\- sign 405.233+/-742.701 χ^2/NDF: 24.0/29



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4206.838+/-0.943 χ^2/NDF:621561.7/12

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

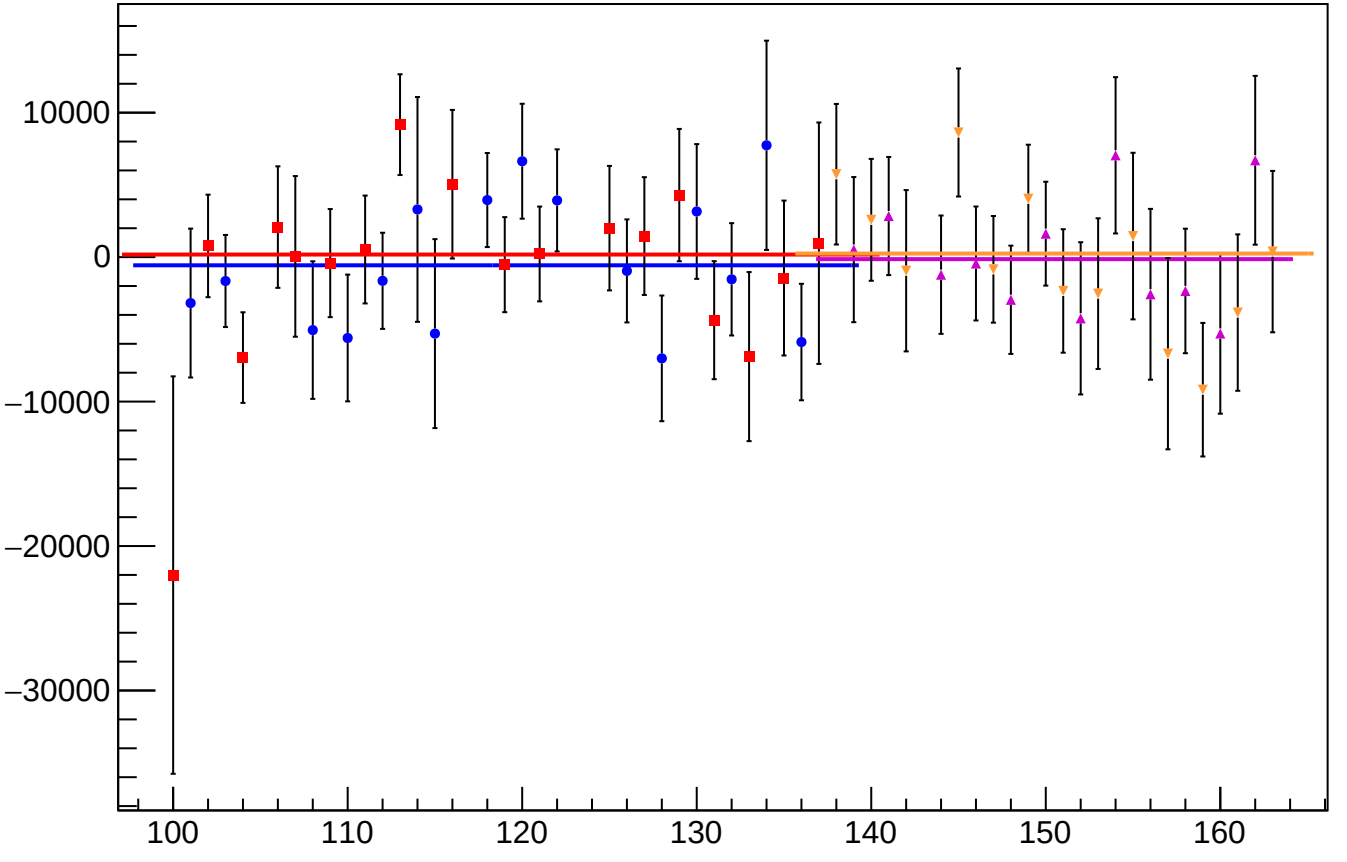
Left In: 4220.246+/-0.943 χ^2/NDF:571632.0/11

+ sign 3154.721+/-0.560 χ^2/NDF: 3164844.8/28

All: 3041.054+/-0.383 χ^2/NDF: 7091014.0/58

- sign 2941.129+/-0.525 χ^2/NDF: 3848783.8/29

asym_usl_atl2_dd_mean vs Slug



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 248.127+/-1308.971 χ^2/NDF:12.8/12

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

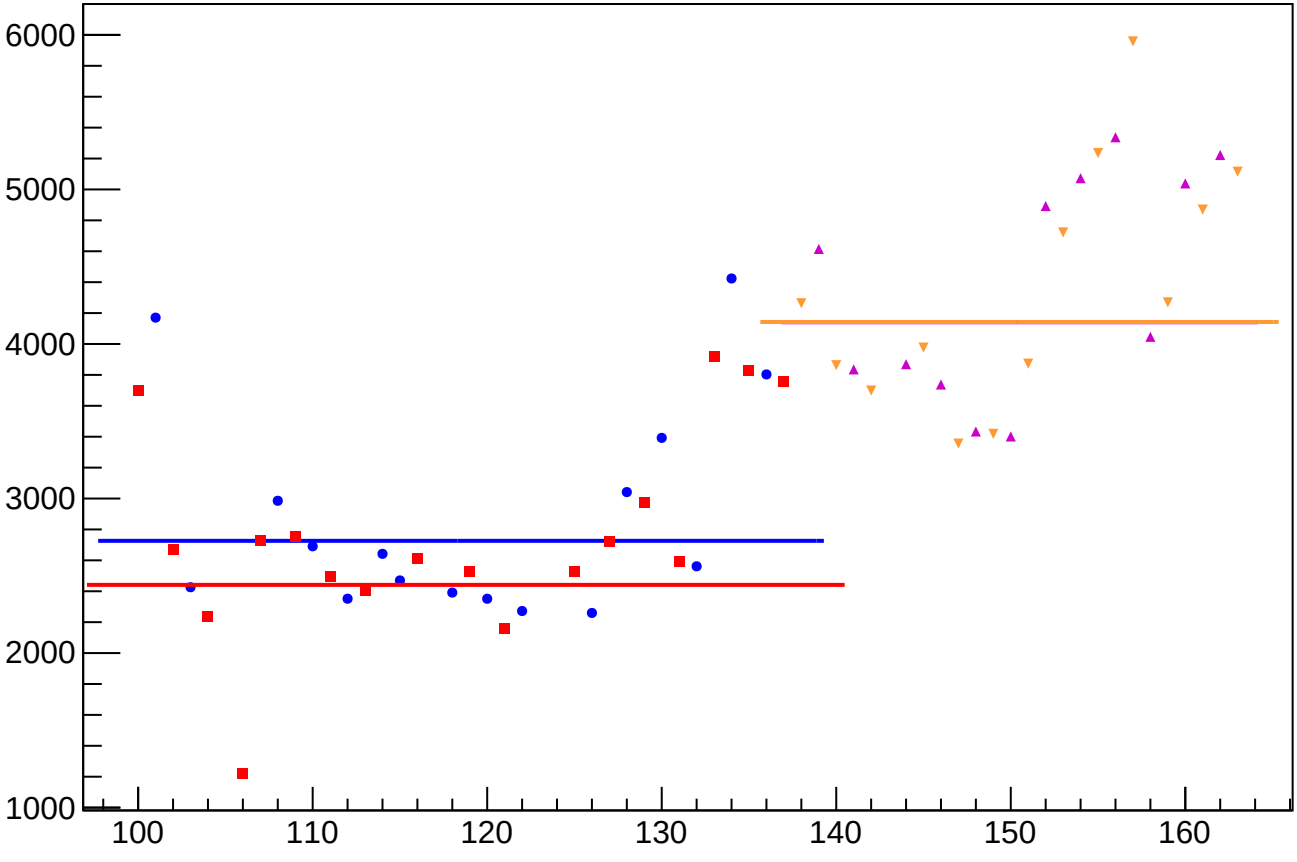
Left In: -139.325+/-1306.058 χ^2/NDF:6.5/11

+ sign -250.895+/-814.427 χ^2/NDF: 29.3/28

All: -88.895+/-566.366 χ^2/NDF: 55.4/58

- sign 62.818+/-788.143 χ^2/NDF: 26.0/29

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4142.539+/-0.926 χ^2/NDF:544262.1/12

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

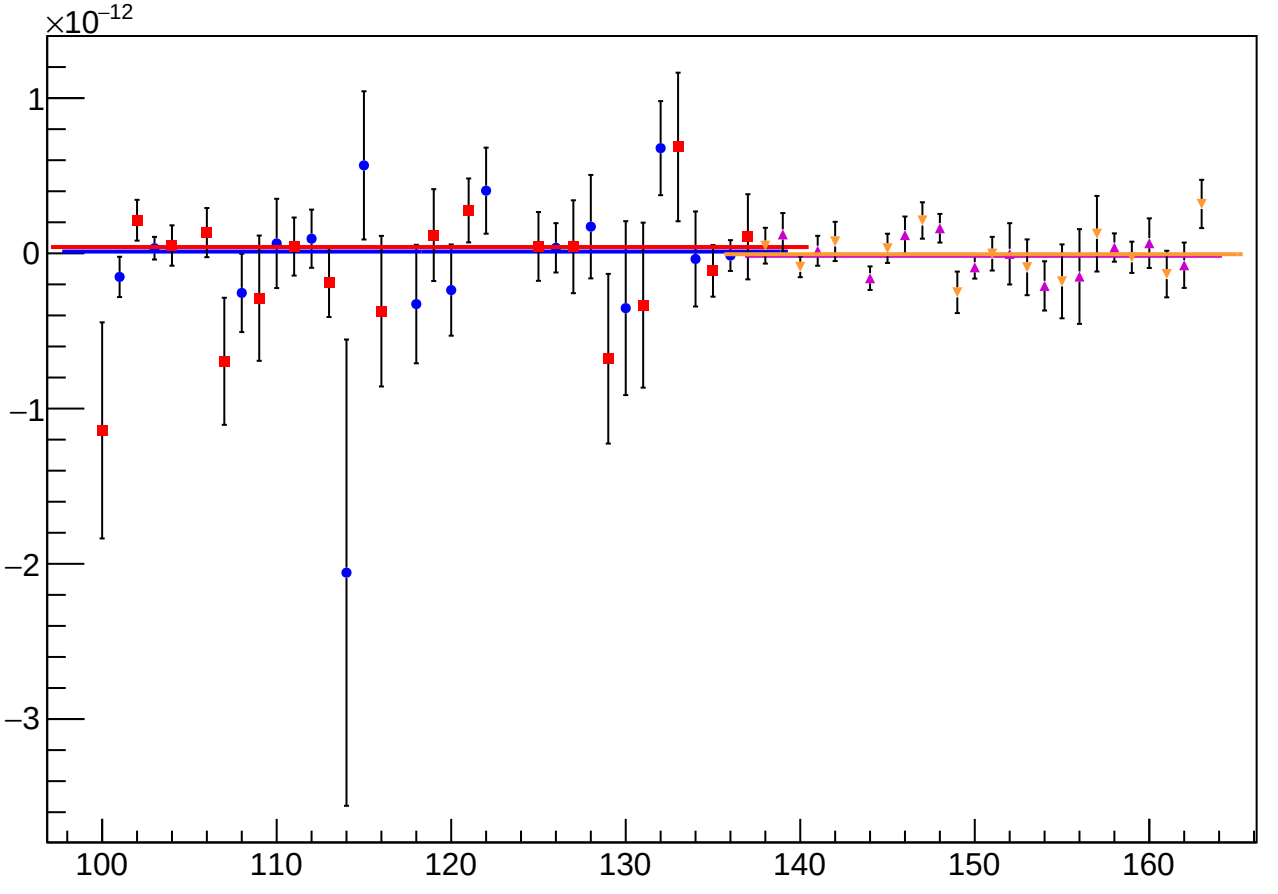
Left In: 4140.607+/-0.924 χ^2/NDF:518360.1/11

+ sign 3274.510+/-0.576 χ^2/NDF: 2602373.1/28

All: 3141.264+/-0.394 χ^2/NDF: 6337620.2/58

- sign 3023.808+/-0.541 χ^2/NDF: 3634521.9/29

asym_usl_atl2_dd_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:15.2/12

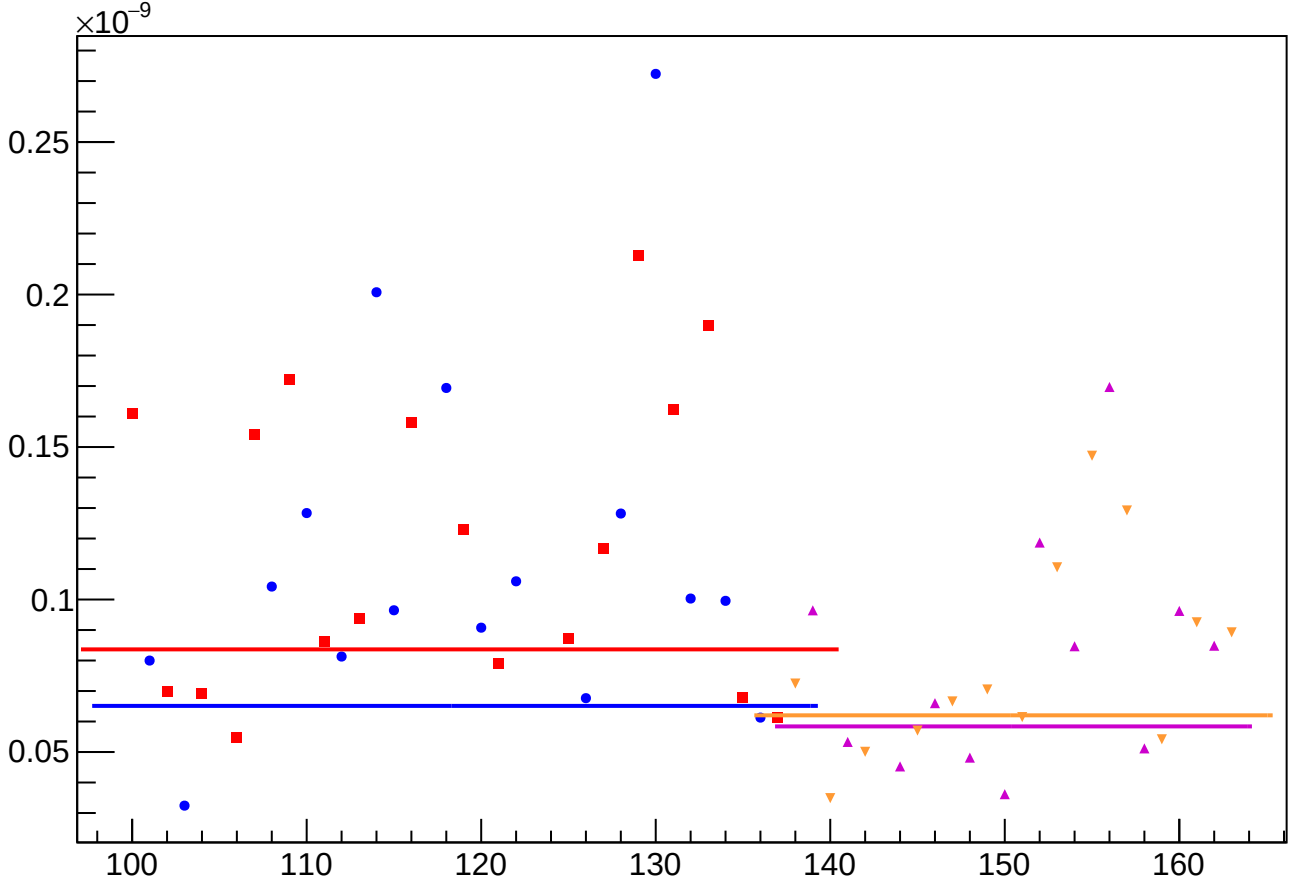
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/28

All: -0.000+/-0.000 χ^2/NDF: 61.7/58

- sign -0.000+/-0.000 χ^2/NDF: 31.0/29



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1090490.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

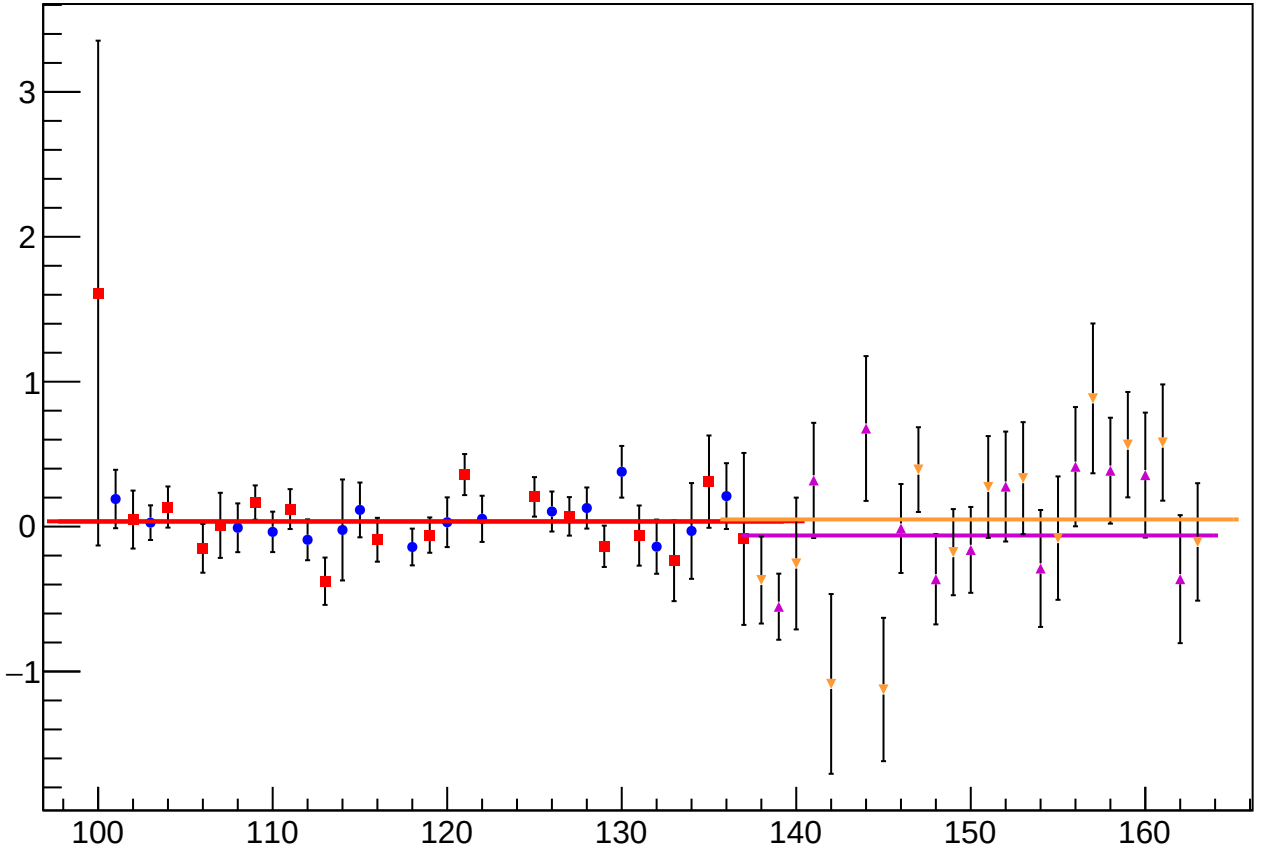
Left In: 0.000+/-0.000 χ^2/NDF:1133848.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 2319464.5/28

All: 0.000+/-0.000 χ^2/NDF: 4480867.9/58

- sign 0.000+/-0.000 χ^2/NDF: 2156454.5/29

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: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

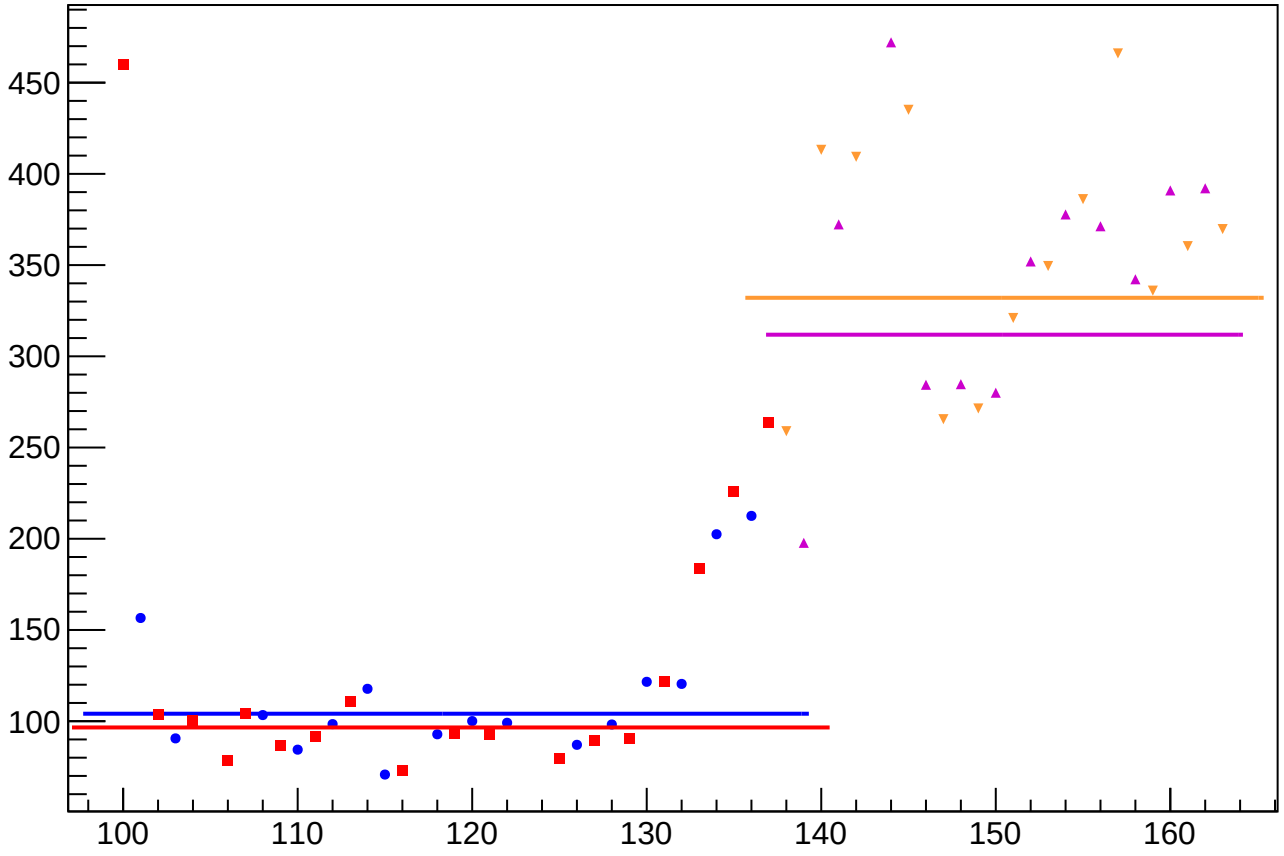
Left In: -0.061+/-0.101 χ^2/NDF:14.2/11

+ sign 0.037+/-0.038 χ^2/NDF: 30.7/28

All: 0.030+/-0.026 χ^2/NDF: 67.7/58

- sign 0.024+/-0.036 χ^2/NDF: 37.0/29

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

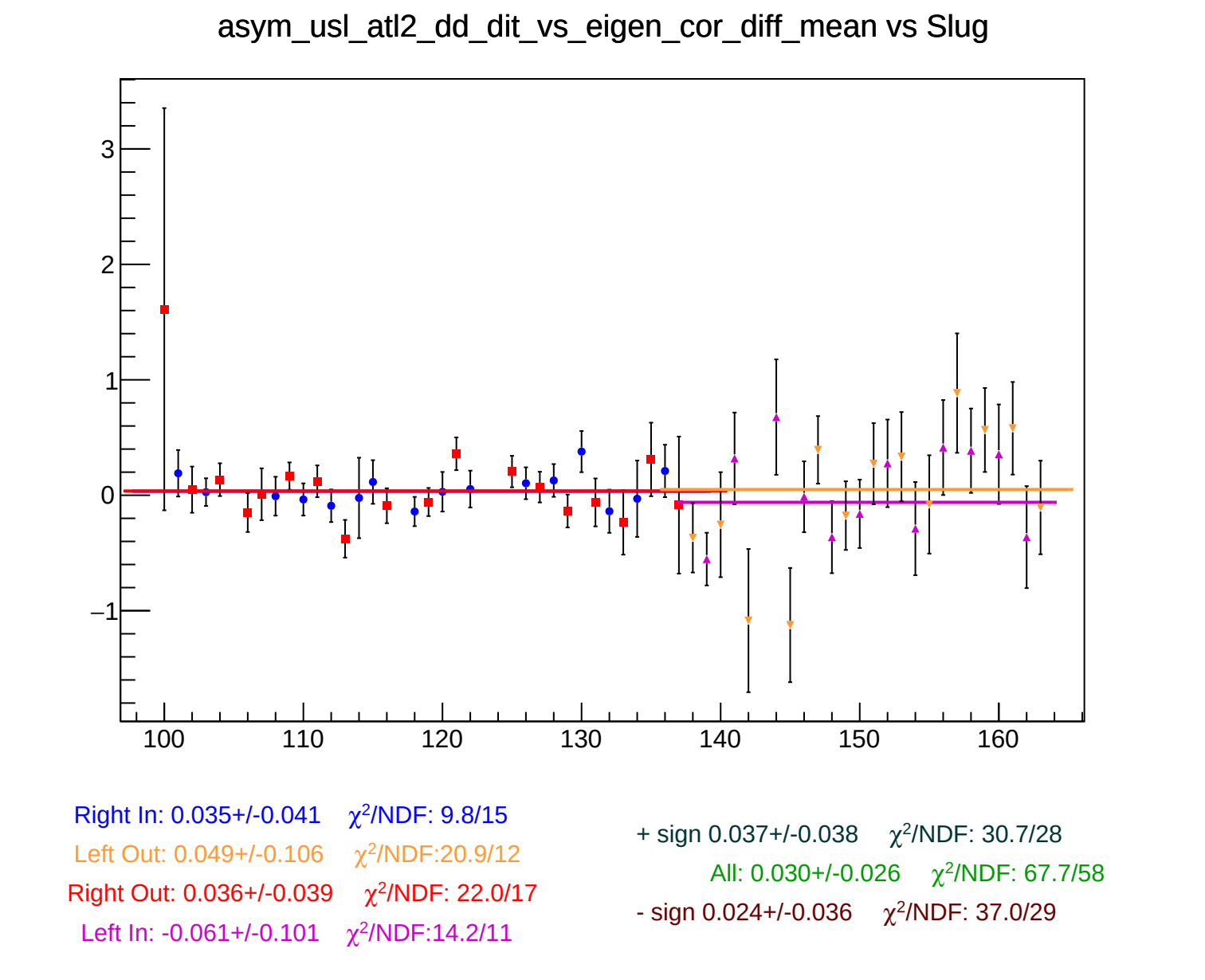
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 311.849+/-0.071 χ^2/NDF:1070978.0/11

+ sign 133.956+/-0.027 χ^2/NDF: 9762708.8/28

All: 129.018+/-0.019 χ^2/NDF: 19821433.3/58

- sign 124.576+/-0.026 χ^2/NDF: 9995411.3/29


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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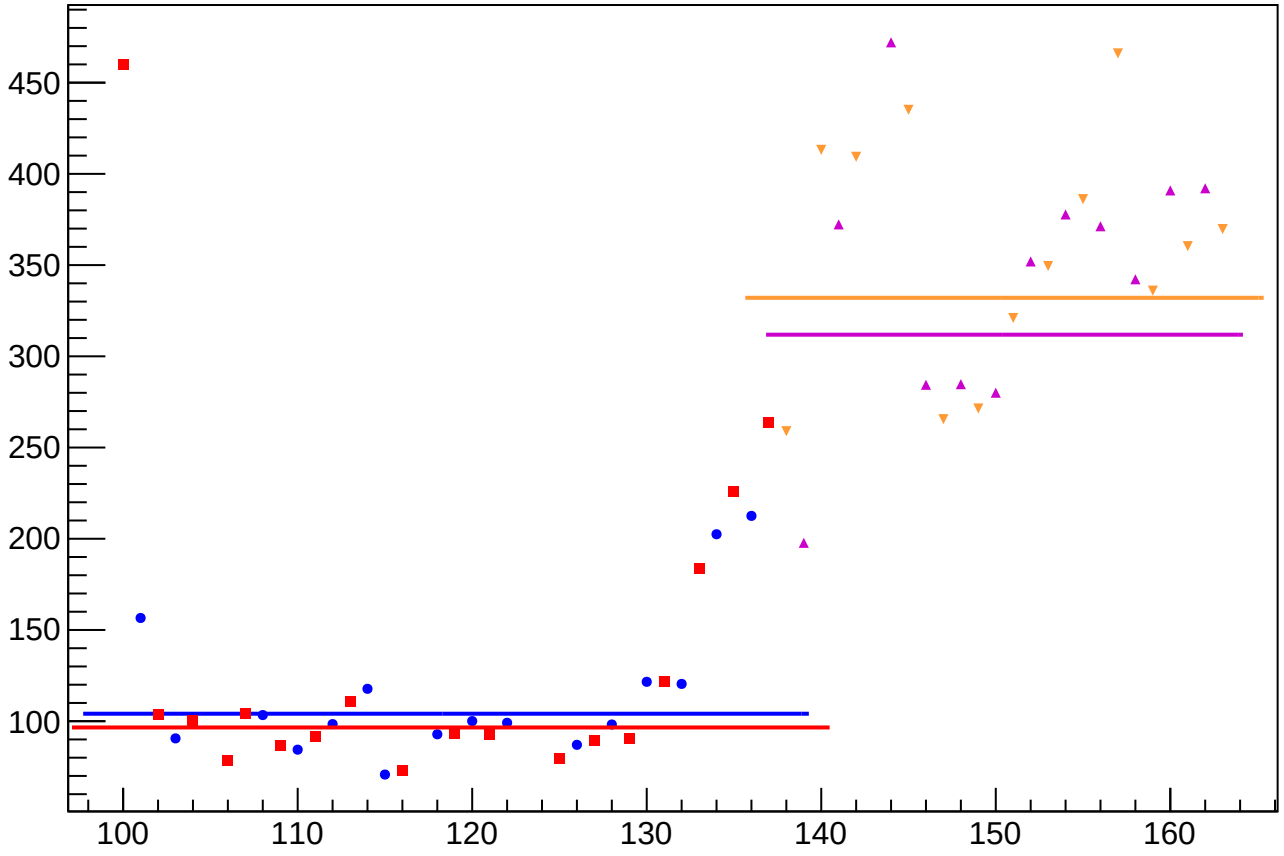
160
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.061+/-0.101 χ²/NDF:14.2/11
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.030+/-0.026 χ²/NDF: 67.7/58
- sign 0.024+/-0.036 χ²/NDF: 37.0/29

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

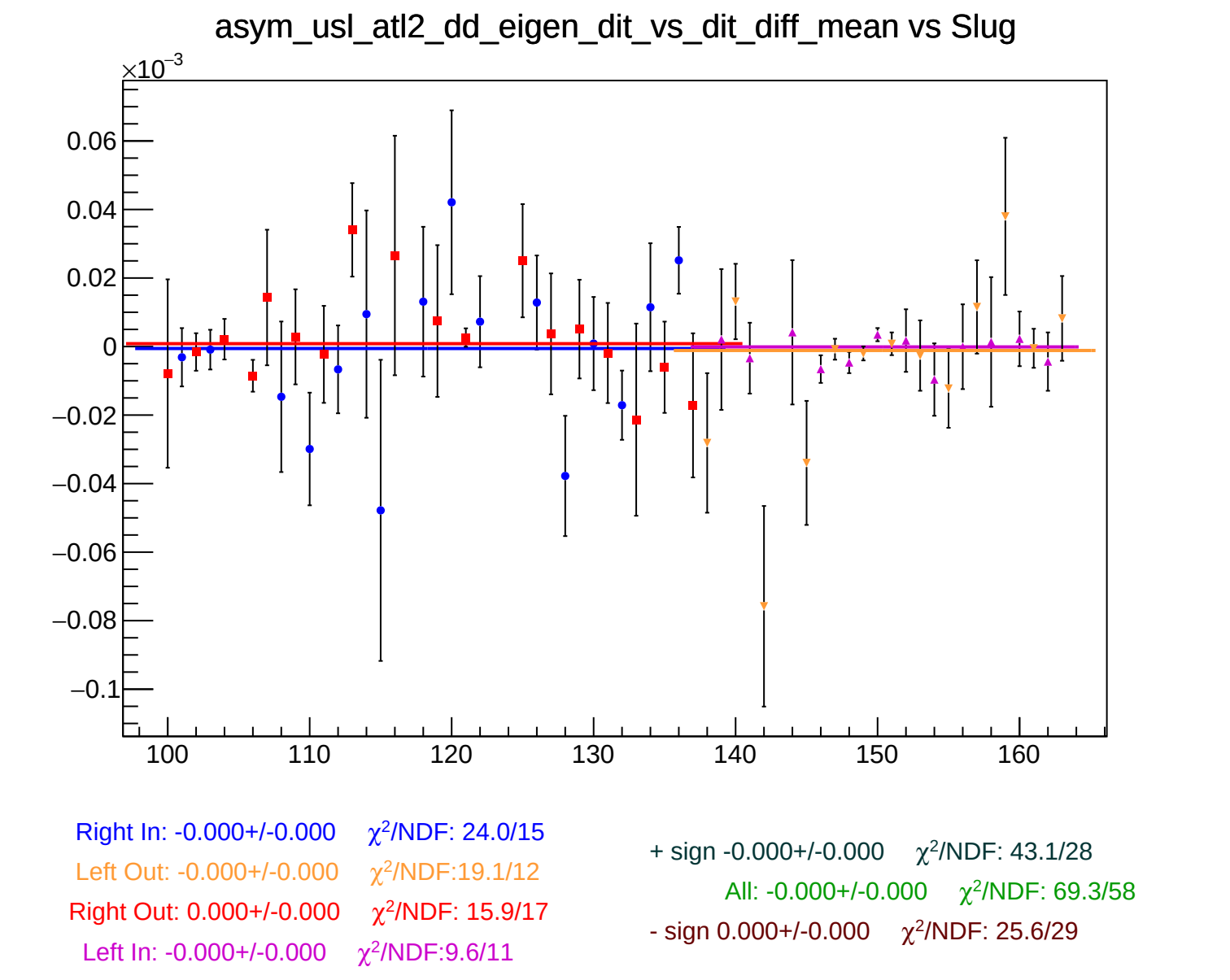
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 311.849+/-0.071 χ^2/NDF:1070978.0/11

+ sign 133.956+/-0.027 χ^2/NDF: 9762708.8/28

All: 129.018+/-0.019 χ^2/NDF: 19821433.3/58

- sign 124.576+/-0.026 χ^2/NDF: 9995411.3/29


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
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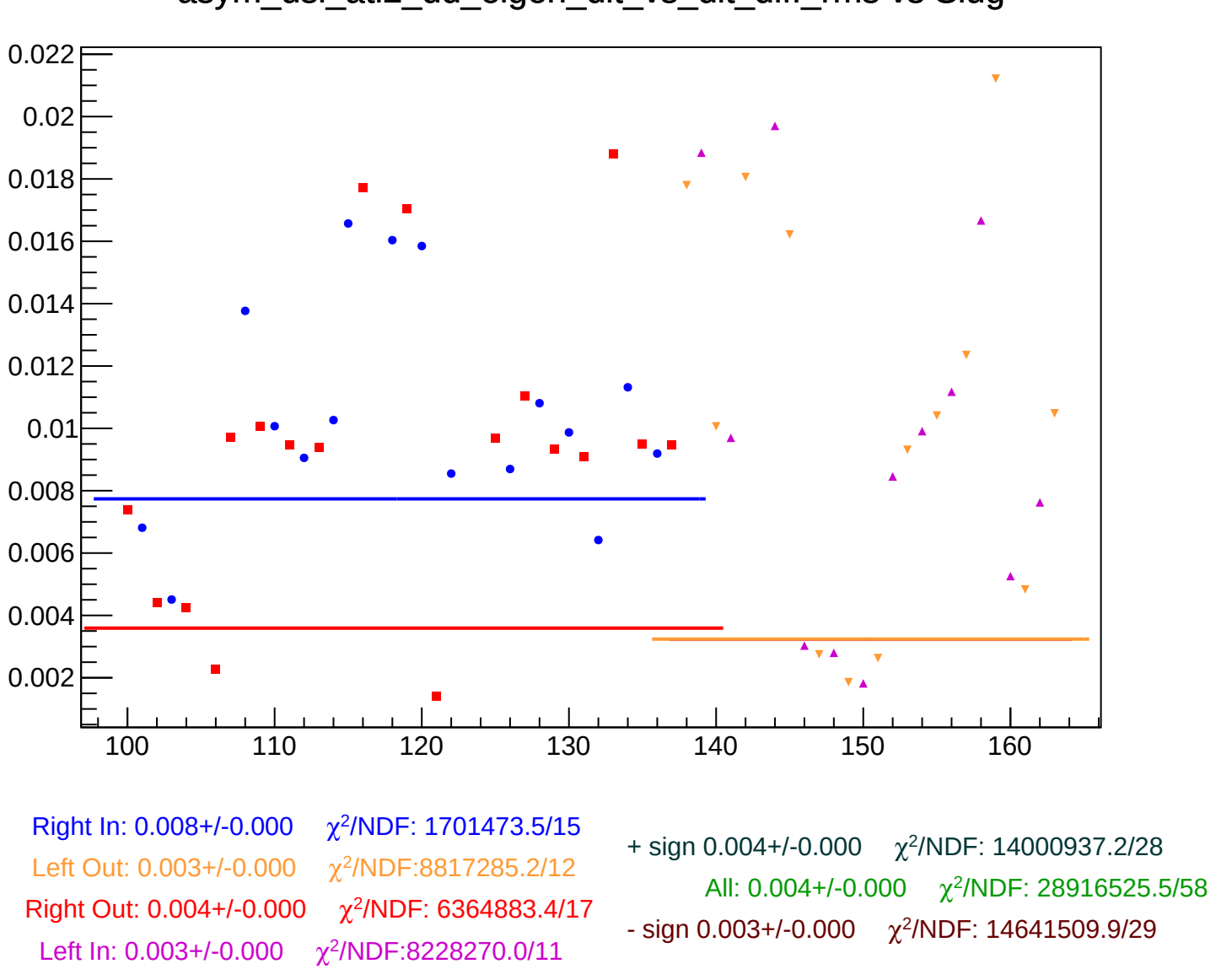
160
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:19.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/11
+ sign -0.000+/-0.000 χ²/NDF: 43.1/28
All: -0.000+/-0.000 χ²/NDF: 69.3/58
- sign 0.000+/-0.000 χ²/NDF: 25.6/29


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
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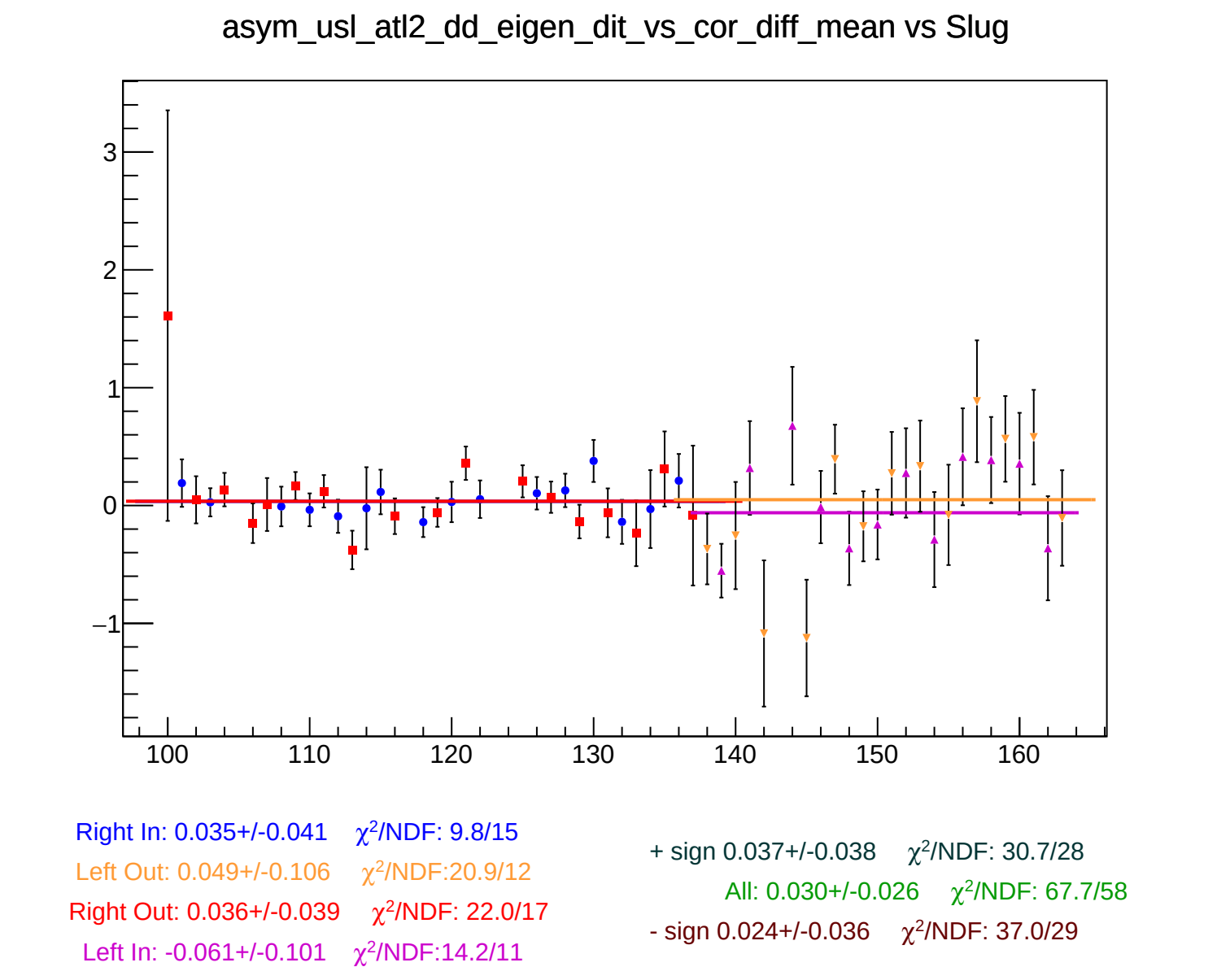
Right In: 0.008+/-0.000 χ²/NDF: 1701473.5/15
Left Out: 0.003+/-0.000 χ²/NDF:8817285.2/12
Right Out: 0.004+/-0.000 χ²/NDF: 6364883.4/17
Left In: 0.003+/-0.000 χ²/NDF:8228270.0/11
+ sign 0.004+/-0.000 χ²/NDF: 14000937.2/28
All: 0.004+/-0.000 χ²/NDF: 28916525.5/58
- sign 0.003+/-0.000 χ²/NDF: 14641509.9/29


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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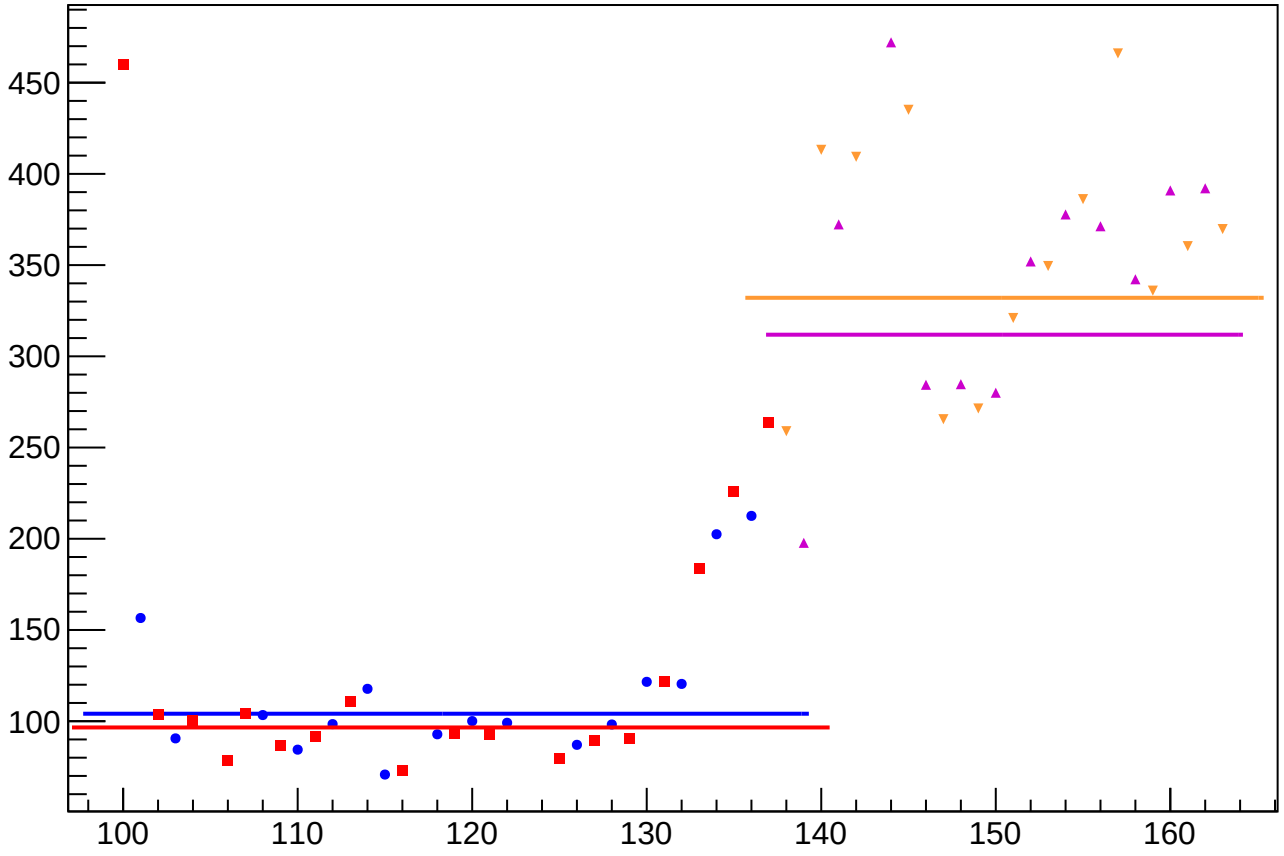
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.061+/-0.101 χ²/NDF:14.2/11
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.030+/-0.026 χ²/NDF: 67.7/58
- sign 0.024+/-0.036 χ²/NDF: 37.0/29

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

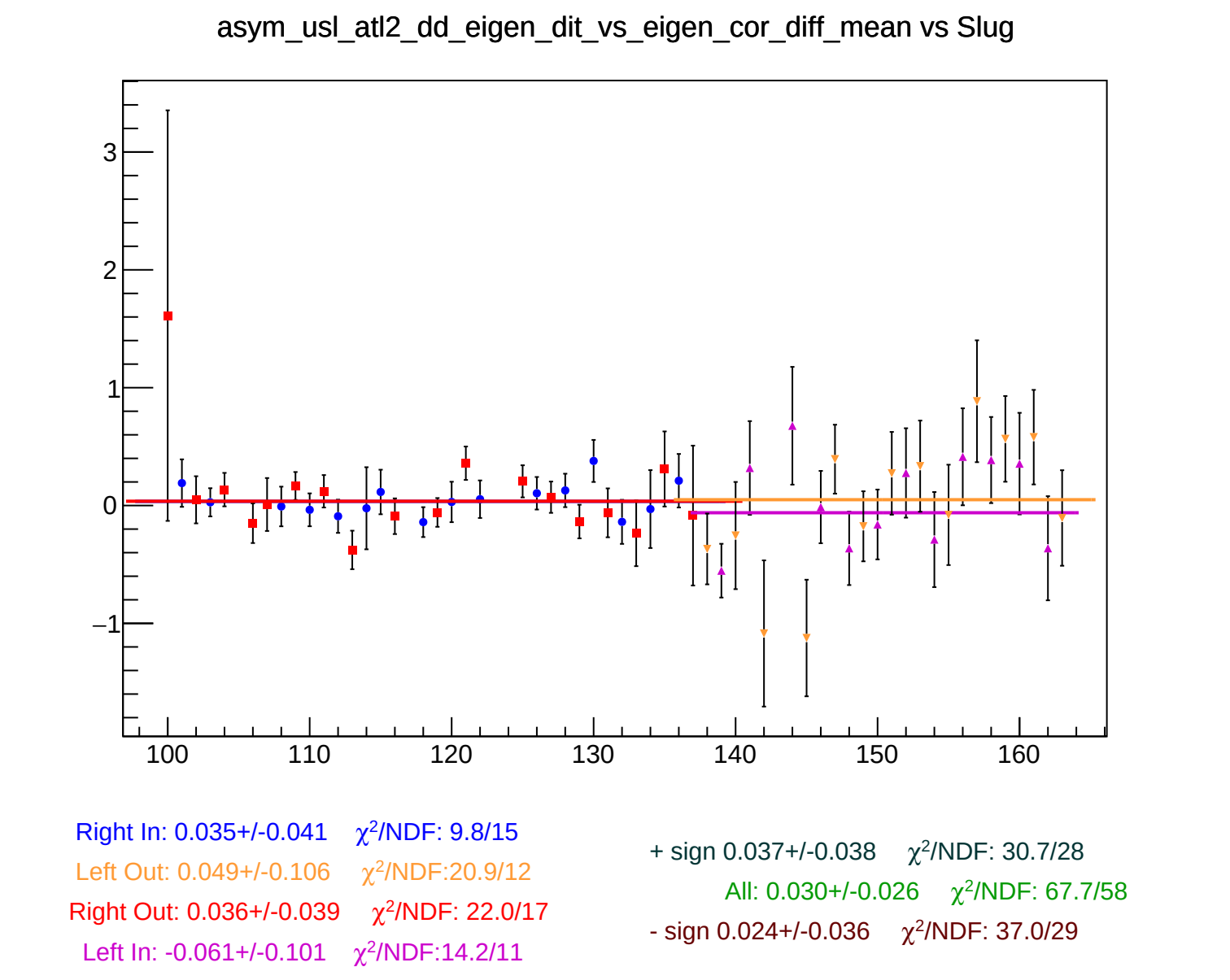
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 311.853+/-0.071 χ^2/NDF:1070964.5/11

+ sign 133.957+/-0.027 χ^2/NDF: 9762718.2/28

All: 129.019+/-0.019 χ^2/NDF: 19821370.8/58

- sign 124.577+/-0.026 χ^2/NDF: 9995348.0/29


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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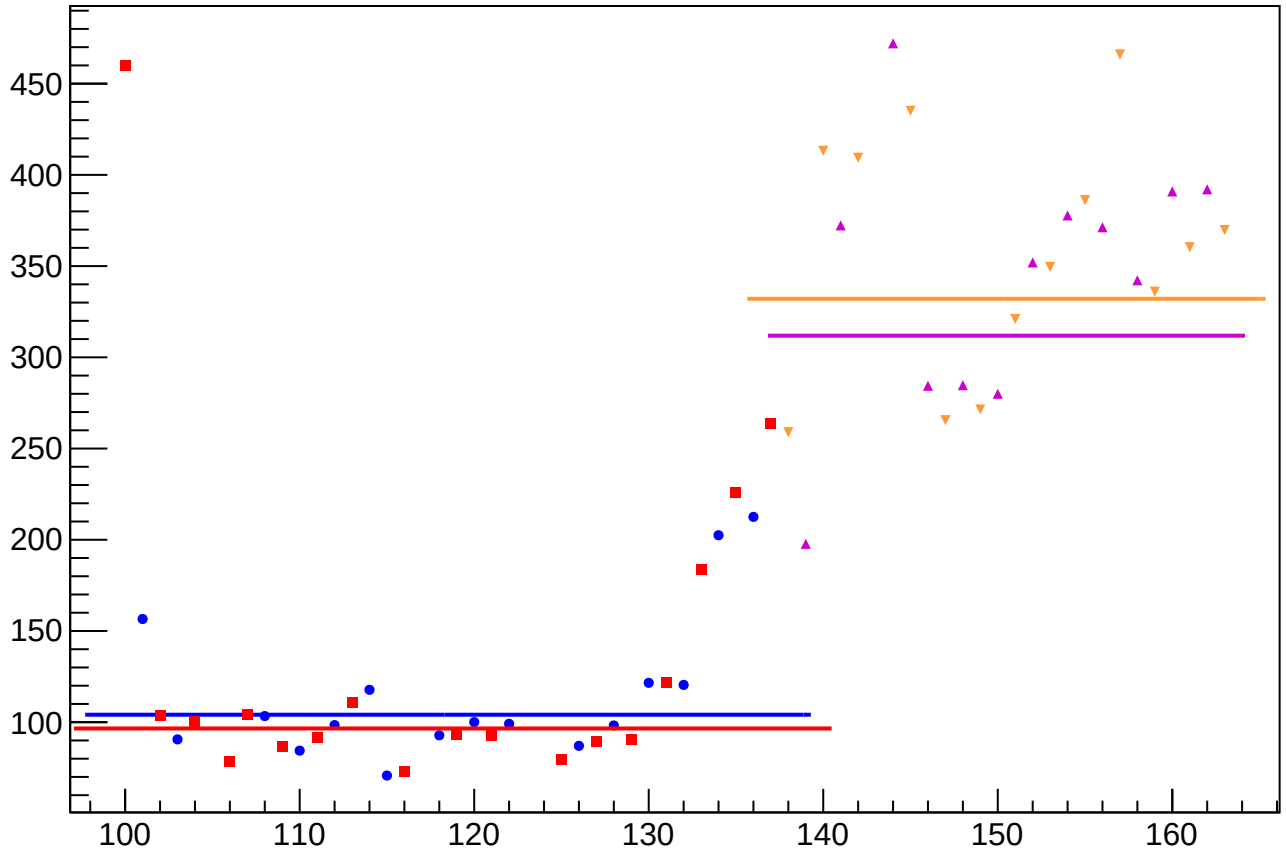
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.049+/-0.106 χ²/NDF:20.9/12
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.061+/-0.101 χ²/NDF:14.2/11
+ sign 0.037+/-0.038 χ²/NDF: 30.7/28
All: 0.030+/-0.026 χ²/NDF: 67.7/58
- sign 0.024+/-0.036 χ²/NDF: 37.0/29



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

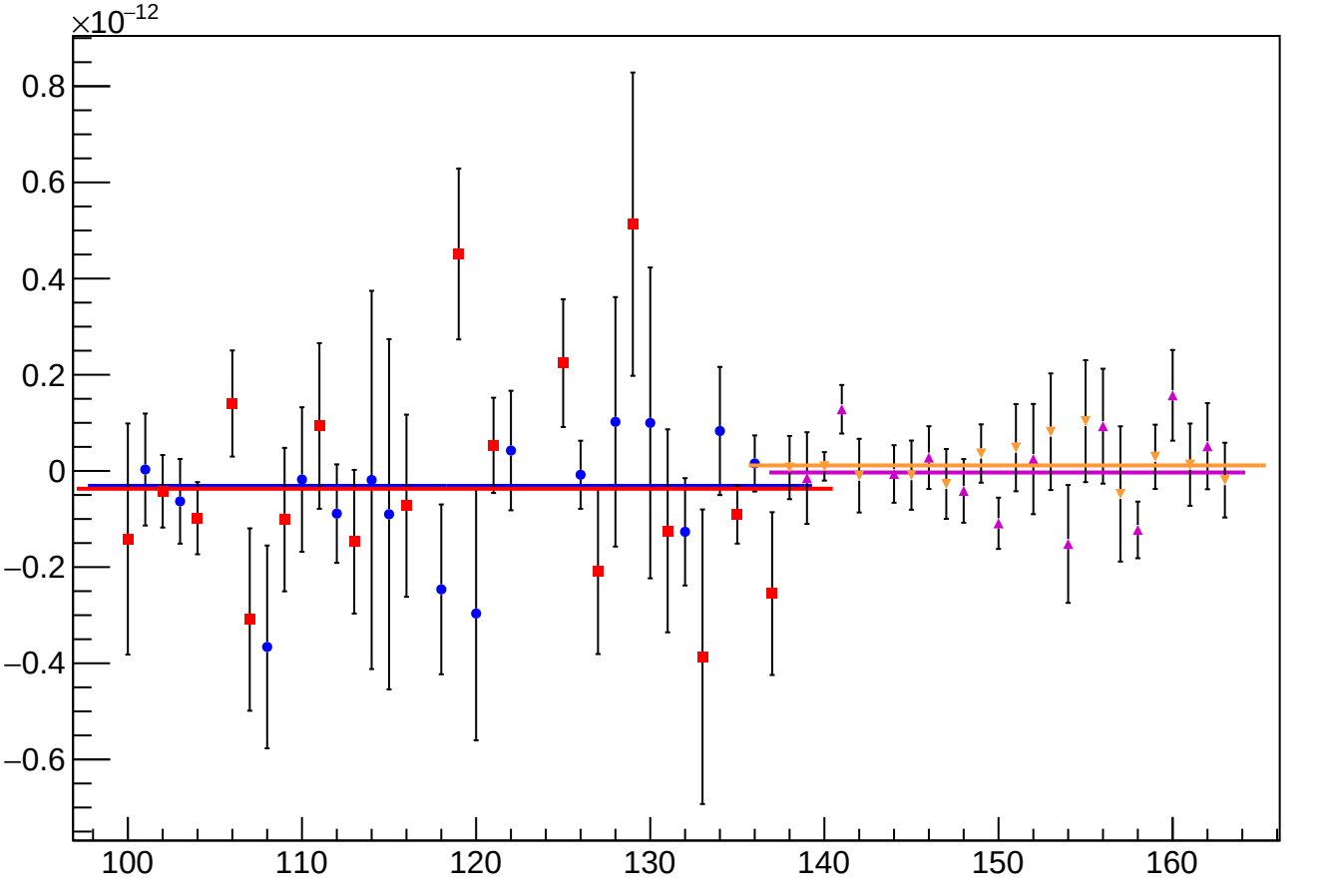
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 311.853+/-0.071 χ^2/NDF:1070964.5/11

+ sign 133.957+/-0.027 χ^2/NDF: 9762718.2/28

All: 129.019+/-0.019 χ^2/NDF: 19821370.8/58

- sign 124.577+/-0.026 χ^2/NDF: 9995348.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/12

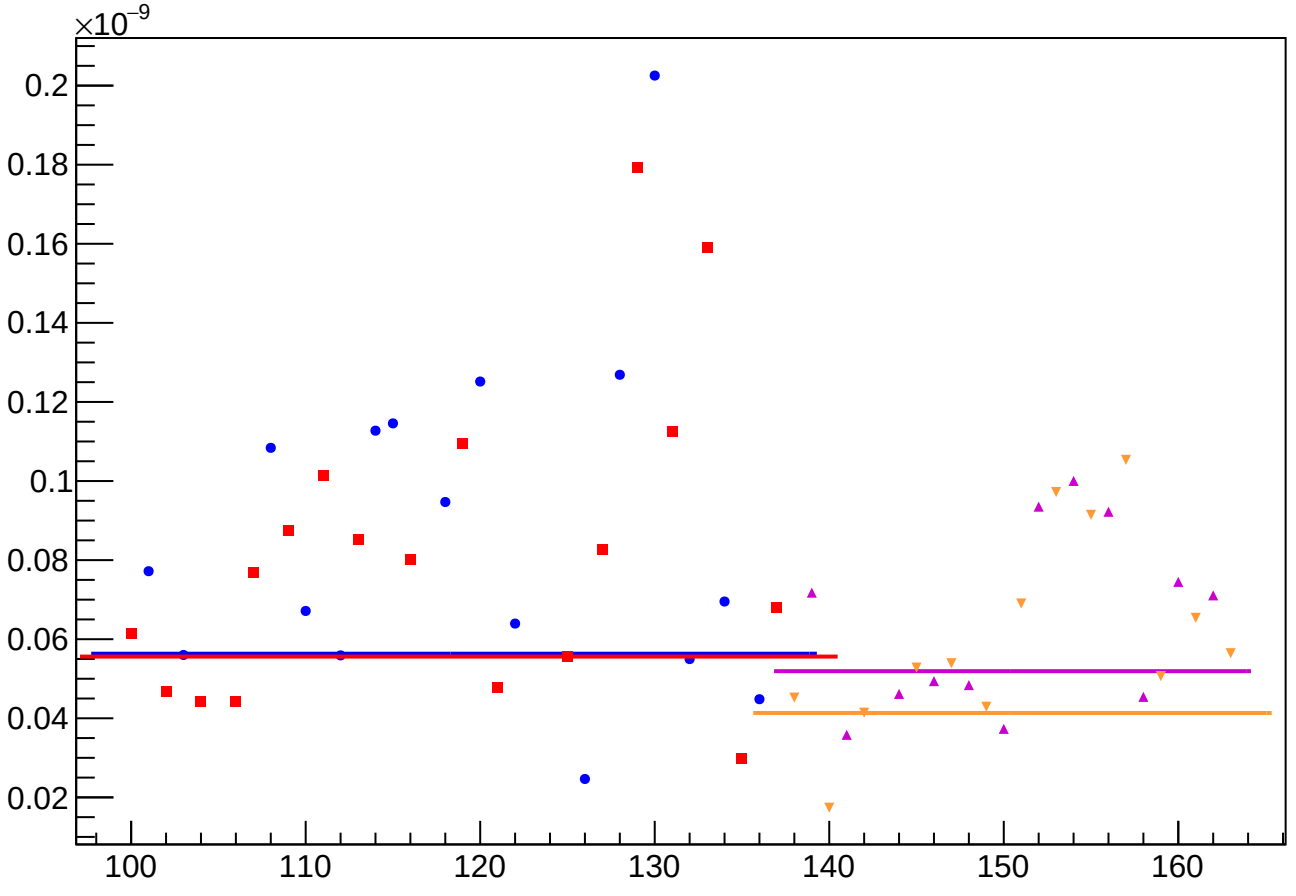
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:20.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 12.1/28

All: -0.000+/-0.000 χ^2/NDF: 61.3/58

- sign -0.000+/-0.000 χ^2/NDF: 48.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3040124.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

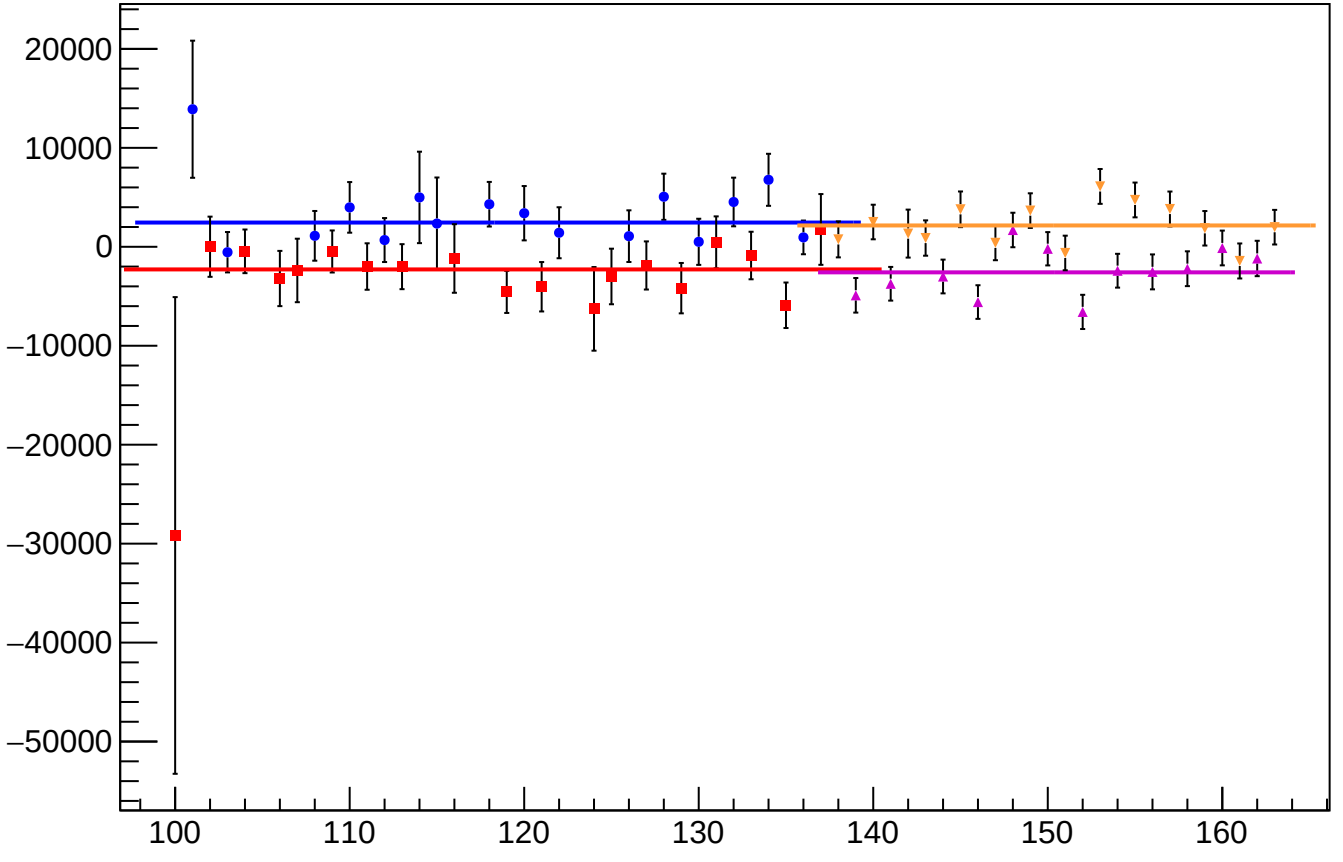
Left In: 0.000+/-0.000 χ^2/NDF:1496715.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 4995944.2/28

All: 0.000+/-0.000 χ^2/NDF: 8510090.7/58

- sign 0.000+/-0.000 χ^2/NDF: 3285933.9/29

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.853+/-479.853 χ^2/NDF:18.6/13

Right Out: -2286.573+/-609.157 χ^2/NDF: 11.8/18

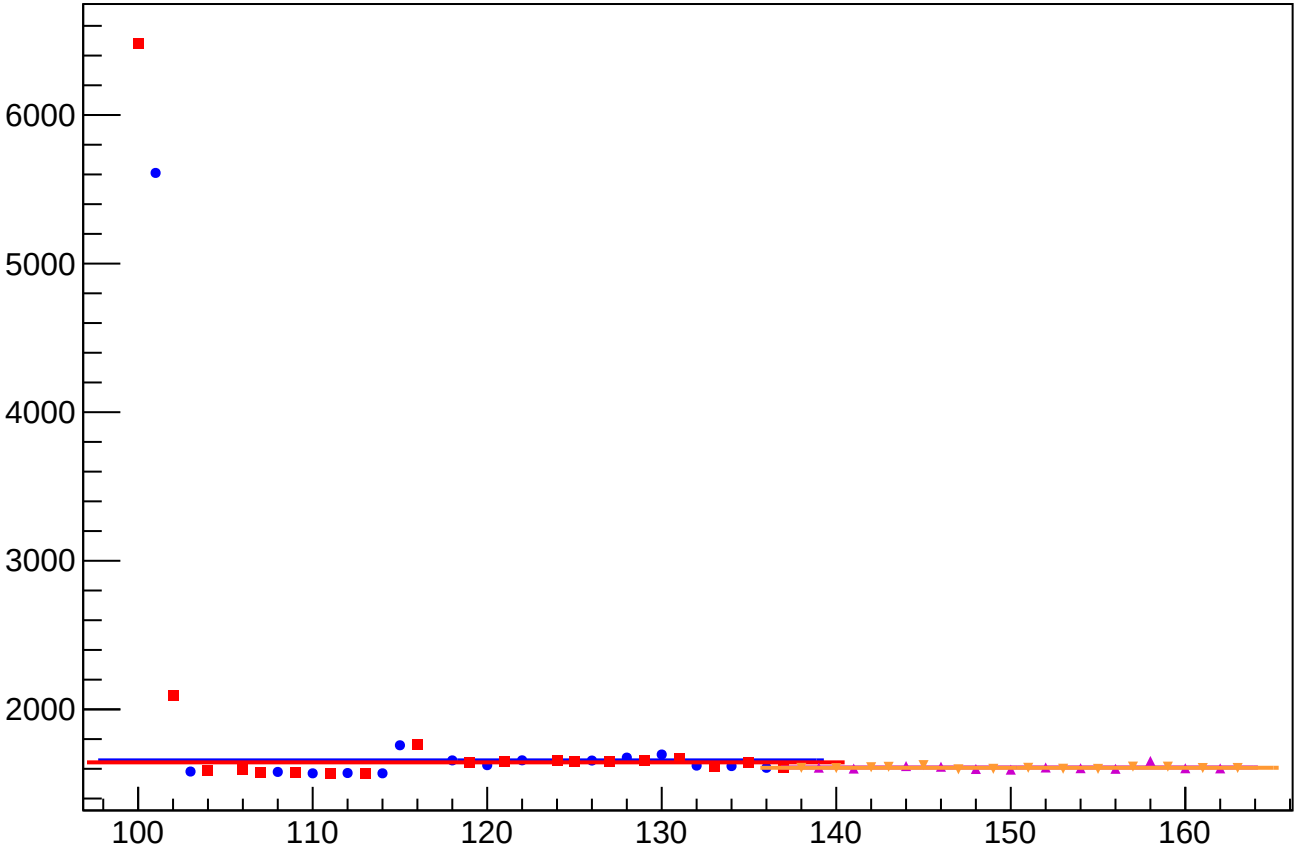
Left In: -2582.960+/-499.833 χ^2/NDF:21.4/11

+ sign 2264.414+/-381.785 χ^2/NDF: 32.5/29

All: -71.220+/-271.581 χ^2/NDF: 141.7/60

- sign -2463.703+/-386.404 χ^2/NDF: 33.4/30

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

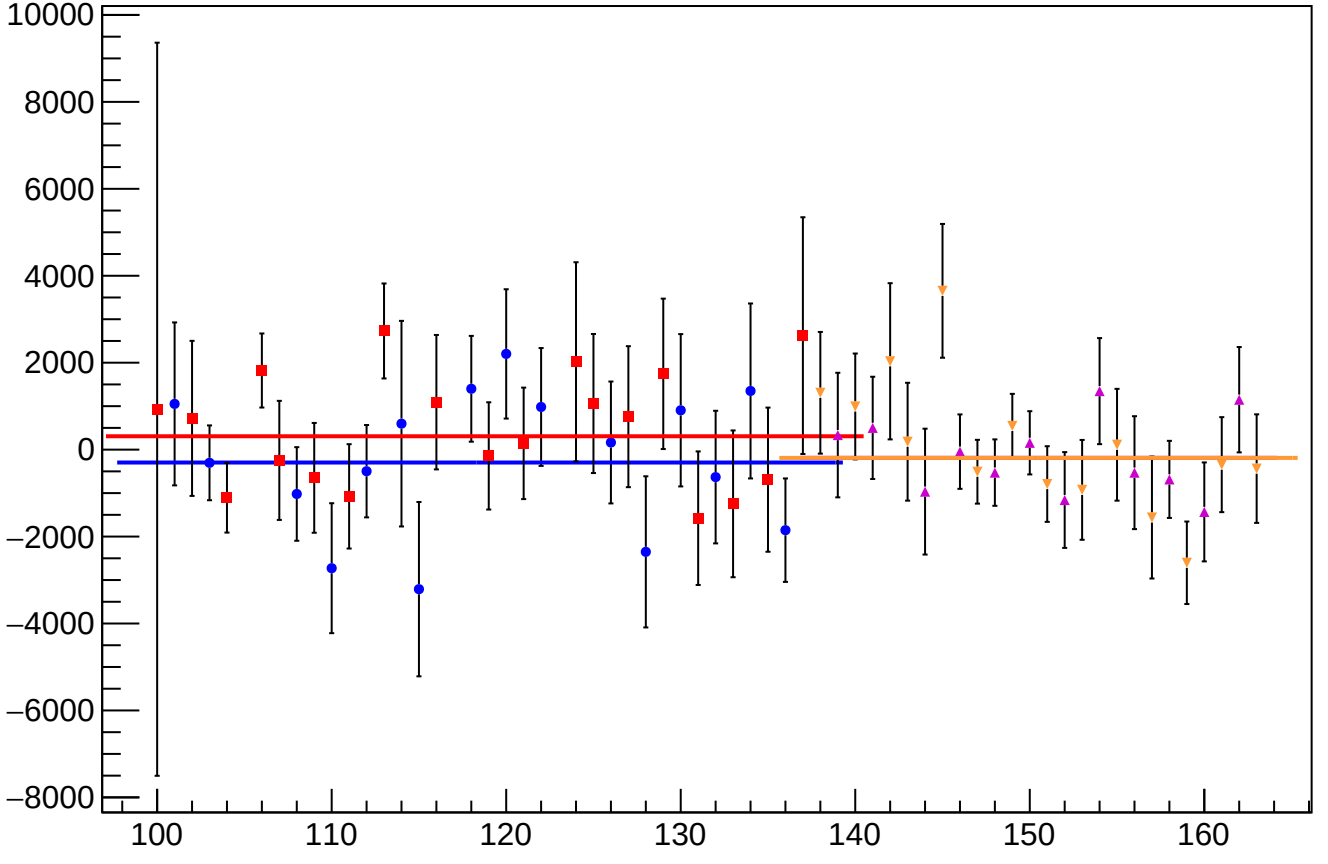
Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

+ sign 1625.260+/-0.270 χ^2/NDF: 674549.2/29

All: 1624.086+/-0.192 χ^2/NDF: 817063.7/60

- sign 1622.884+/-0.273 χ^2/NDF: 142476.3/30

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -190.189+/-289.490 χ^2/NDF:19.5/13

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

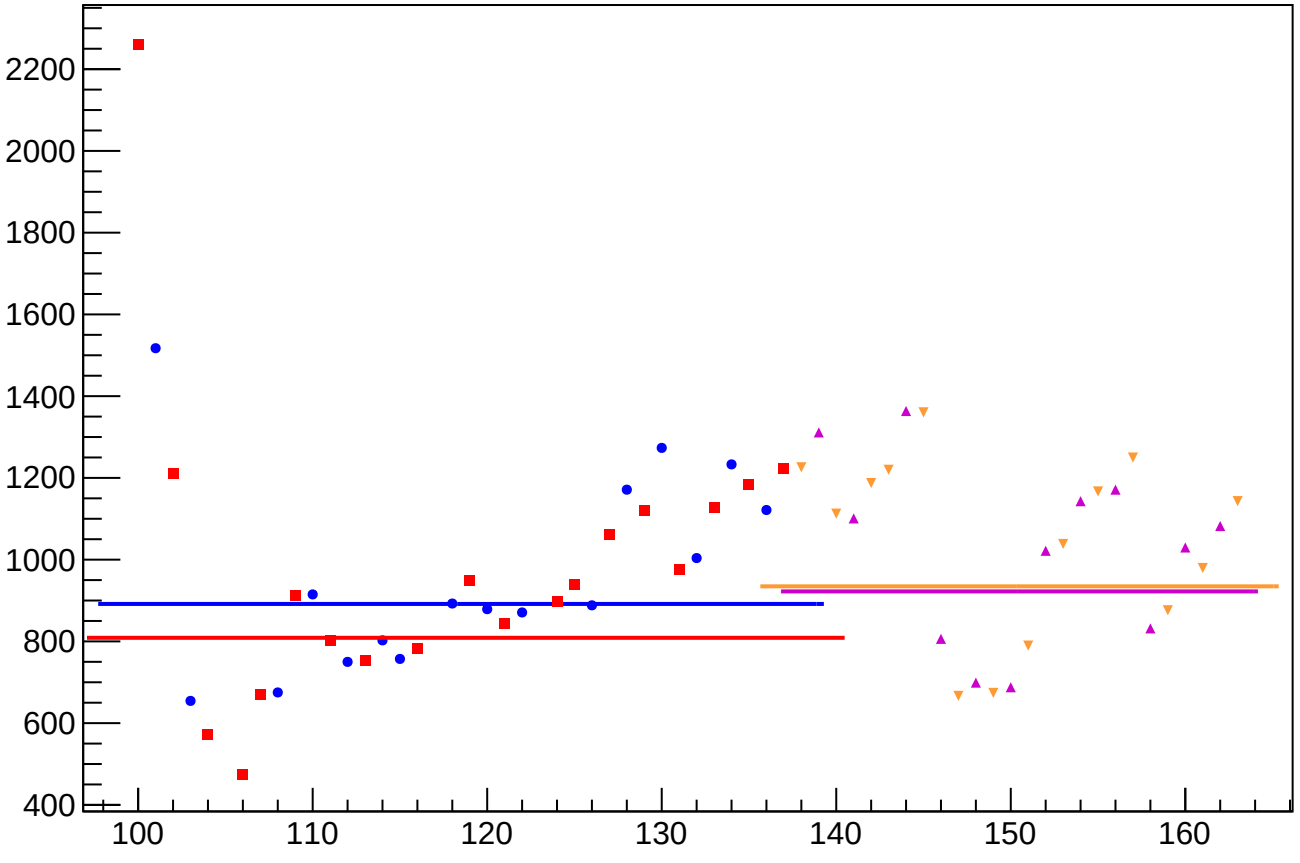
Left In: -188.827+/-295.301 χ^2/NDF:6.4/11

+ sign -234.328+/-221.345 χ^2/NDF: 35.5/29

All: -90.461+/-154.143 χ^2/NDF: 62.8/60

- sign 45.006+/-214.786 χ^2/NDF: 26.4/30

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 934.734+/-0.205 χ^2/NDF:1230933.7/13

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

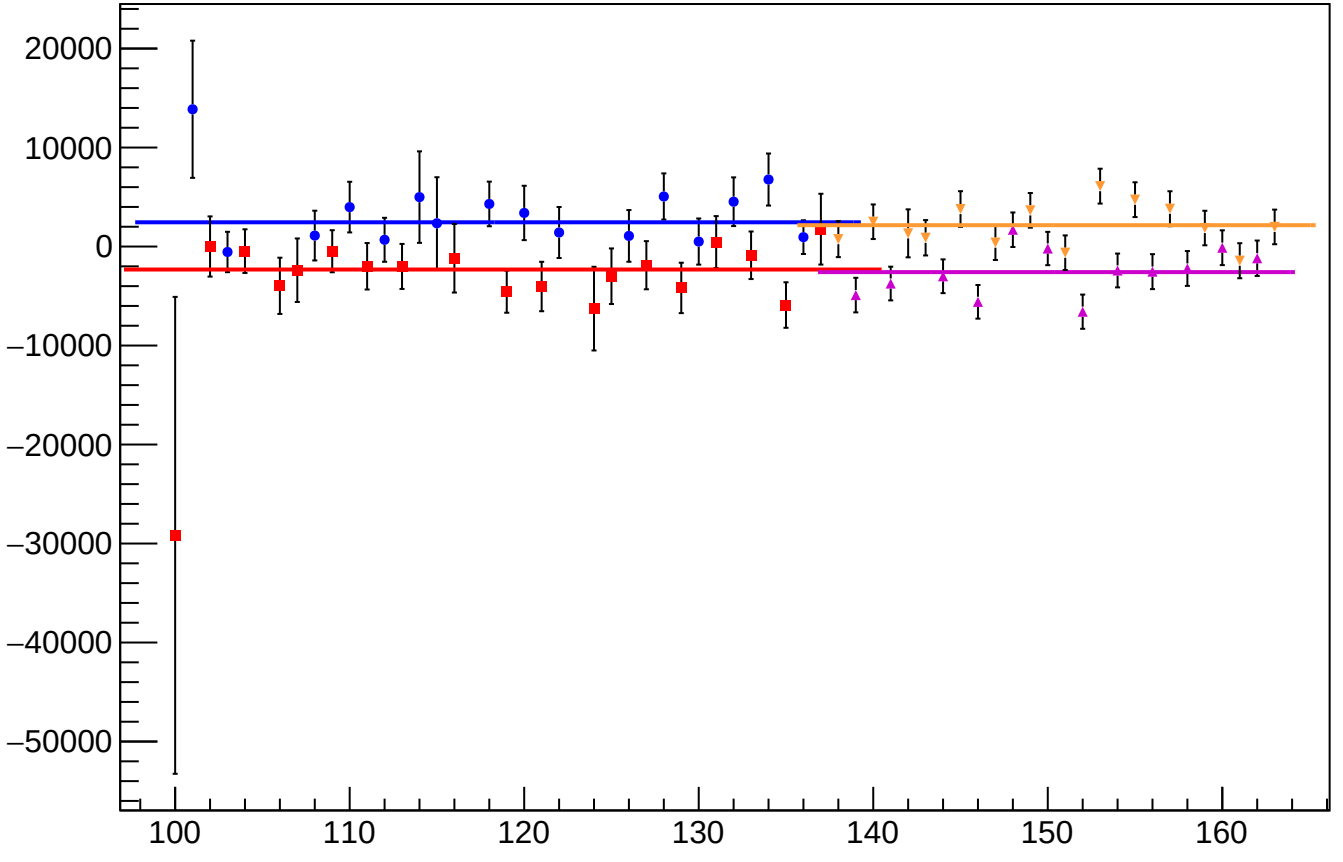
Left In: 922.298+/-0.209 χ^2/NDF:1023308.0/11

+ sign 916.831+/-0.157 χ^2/NDF: 2043246.3/29

All: 892.118+/-0.109 χ^2/NDF: 4337923.0/60

- sign 868.849+/-0.152 χ^2/NDF: 2246273.1/30

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

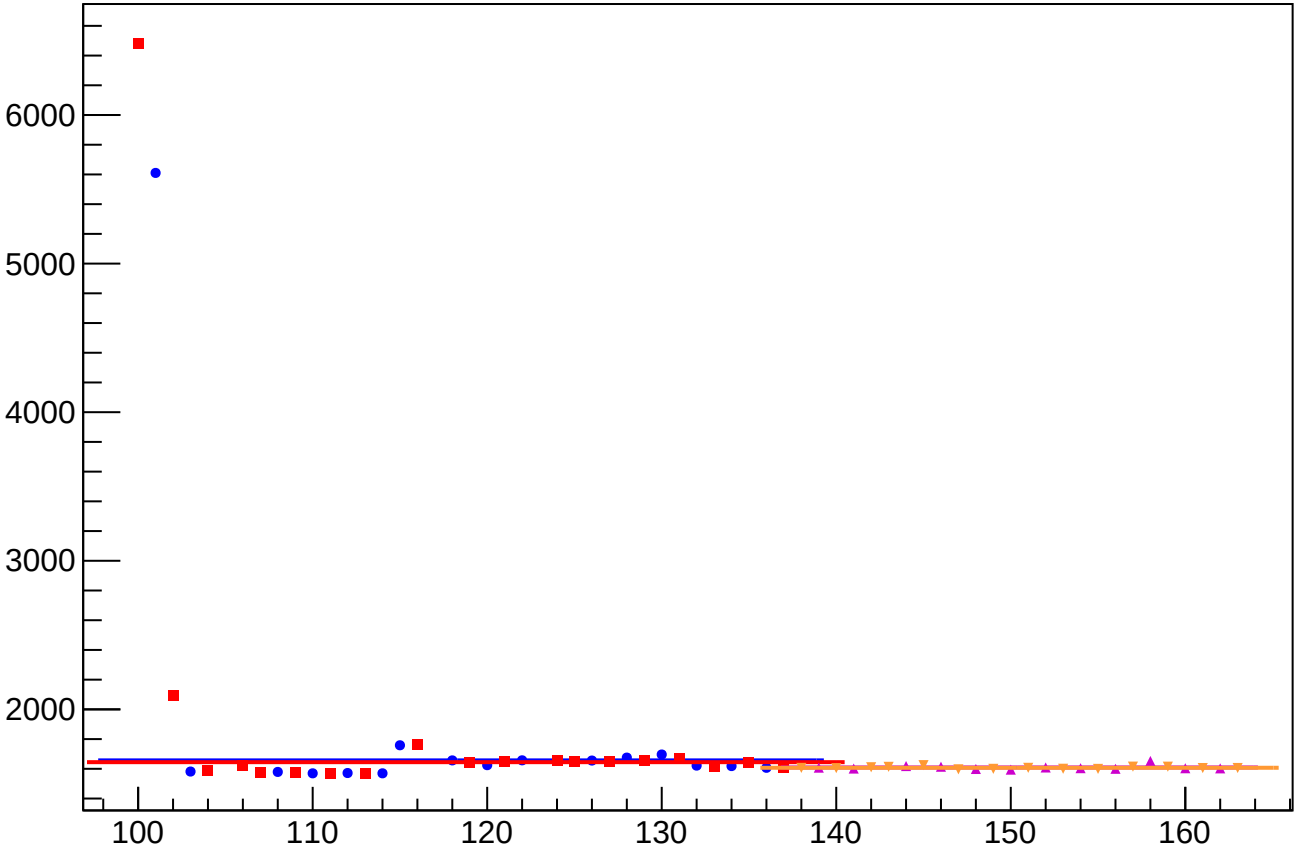
Left In: -2583.030+/-499.833 χ^2/NDF:21.4/11

+ sign 2264.195+/-381.785 χ^2/NDF: 32.5/29

All: -77.379+/-271.625 χ^2/NDF: 142.3/60

- sign -2477.530+/-386.531 χ^2/NDF: 33.6/30

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

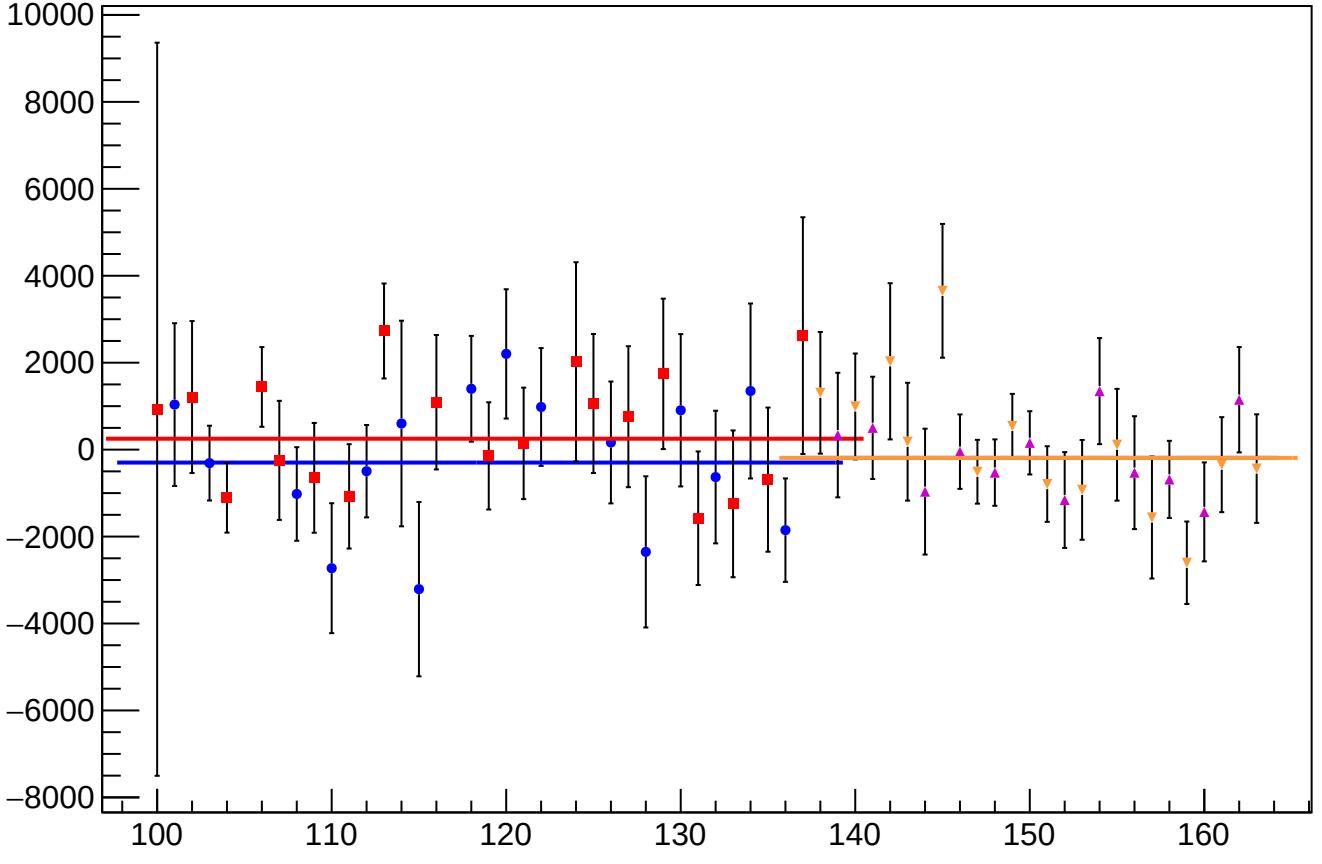
Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

+ sign 1625.260+/-0.270 χ^2/NDF: 674548.7/29

All: 1624.339+/-0.192 χ^2/NDF: 816823.8/60

- sign 1623.394+/-0.273 χ^2/NDF: 142251.5/30

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -190.256+/-289.488 χ^2/NDF:19.5/13

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

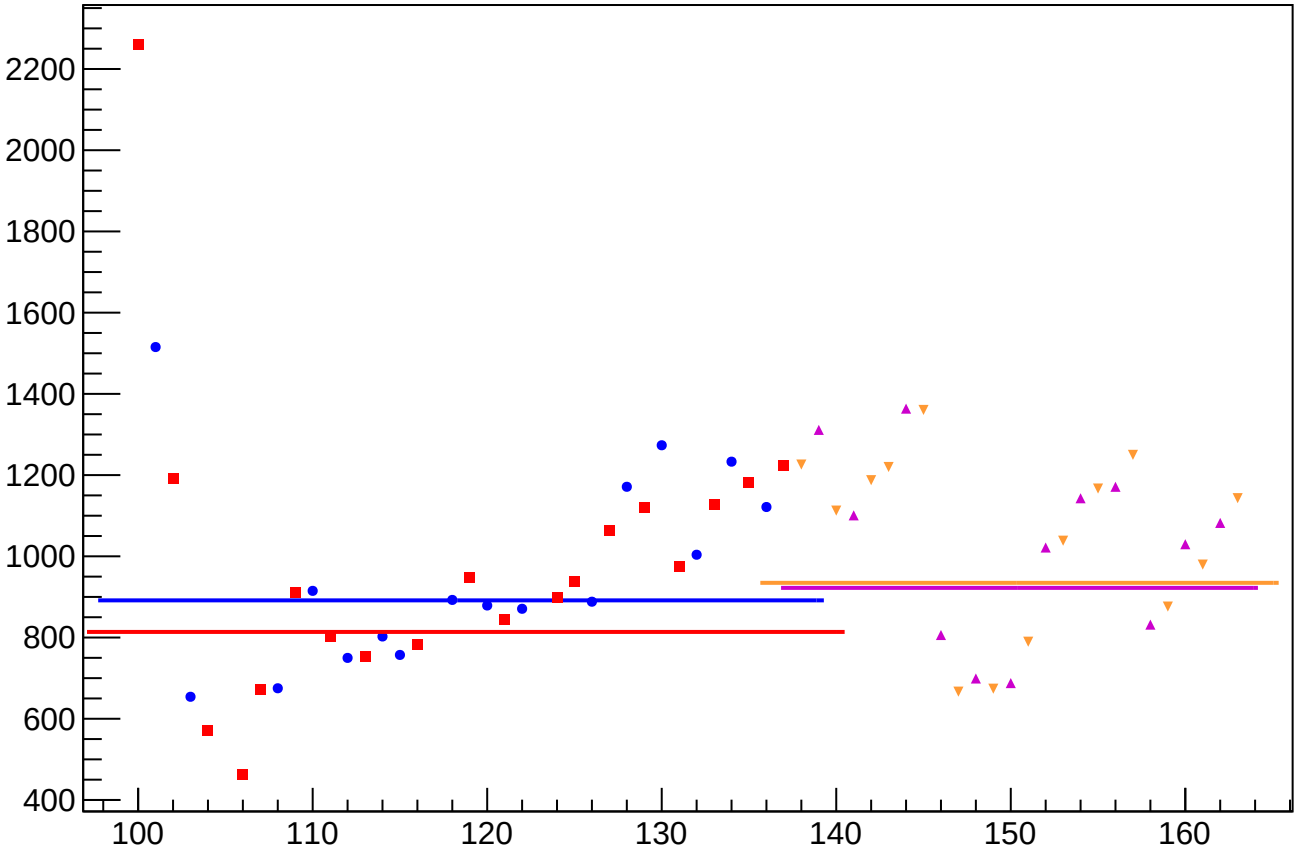
Left In: -188.872+/-295.302 χ^2/NDF:6.4/11

+ sign -234.932+/-221.332 χ^2/NDF: 35.5/29

All: -105.979+/-154.467 χ^2/NDF: 60.9/60

- sign 16.469+/-215.676 χ^2/NDF: 24.7/30

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 934.726+/-0.205 χ^2/NDF:1231030.6/13

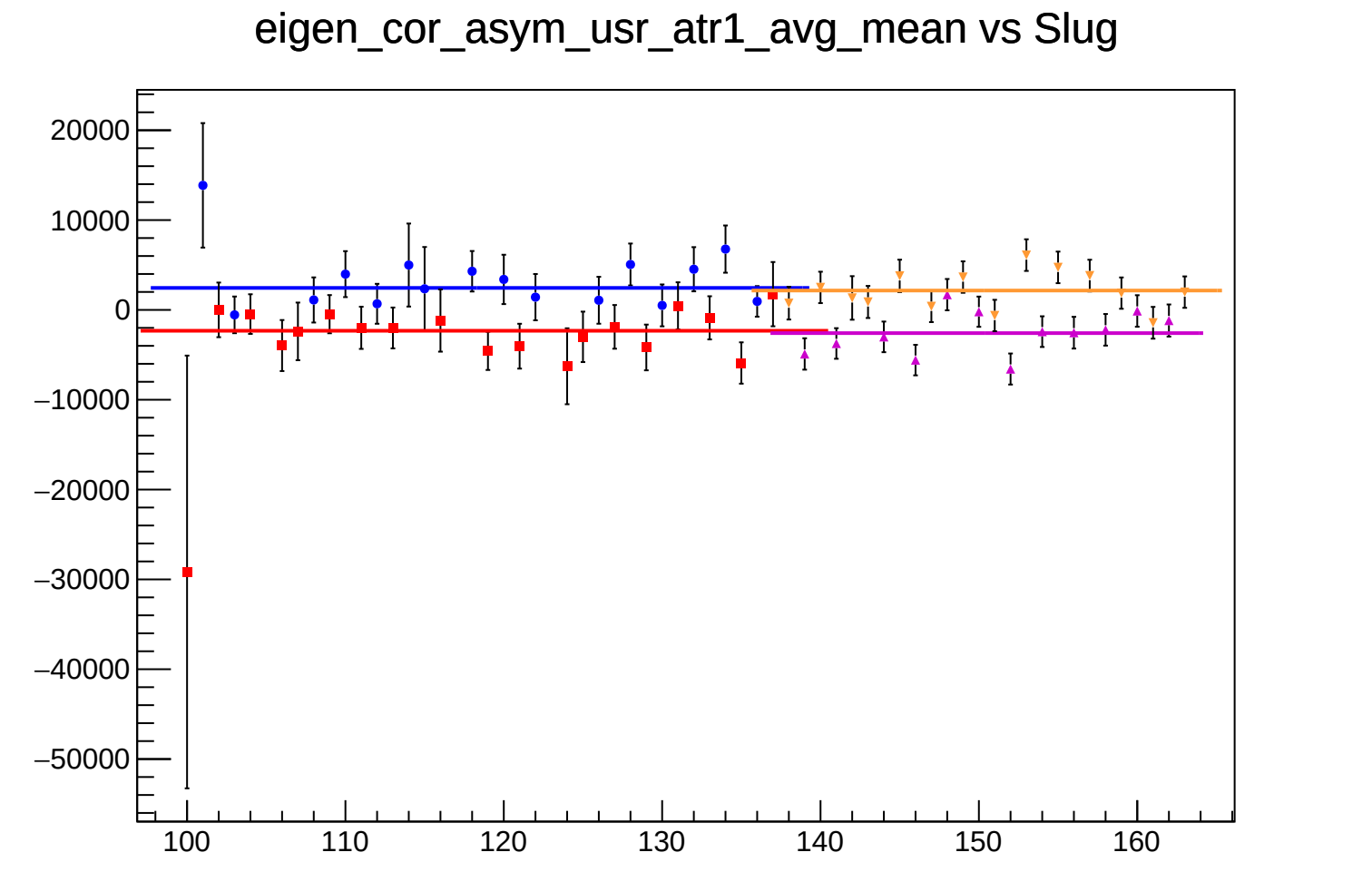
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 922.303+/-0.209 χ^2/NDF:1023265.8/11

+ sign 916.782+/-0.157 χ^2/NDF: 2043185.0/29

All: 893.648+/-0.109 χ^2/NDF: 4288001.7/60

- sign 871.682+/-0.153 χ^2/NDF: 2202221.4/30



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

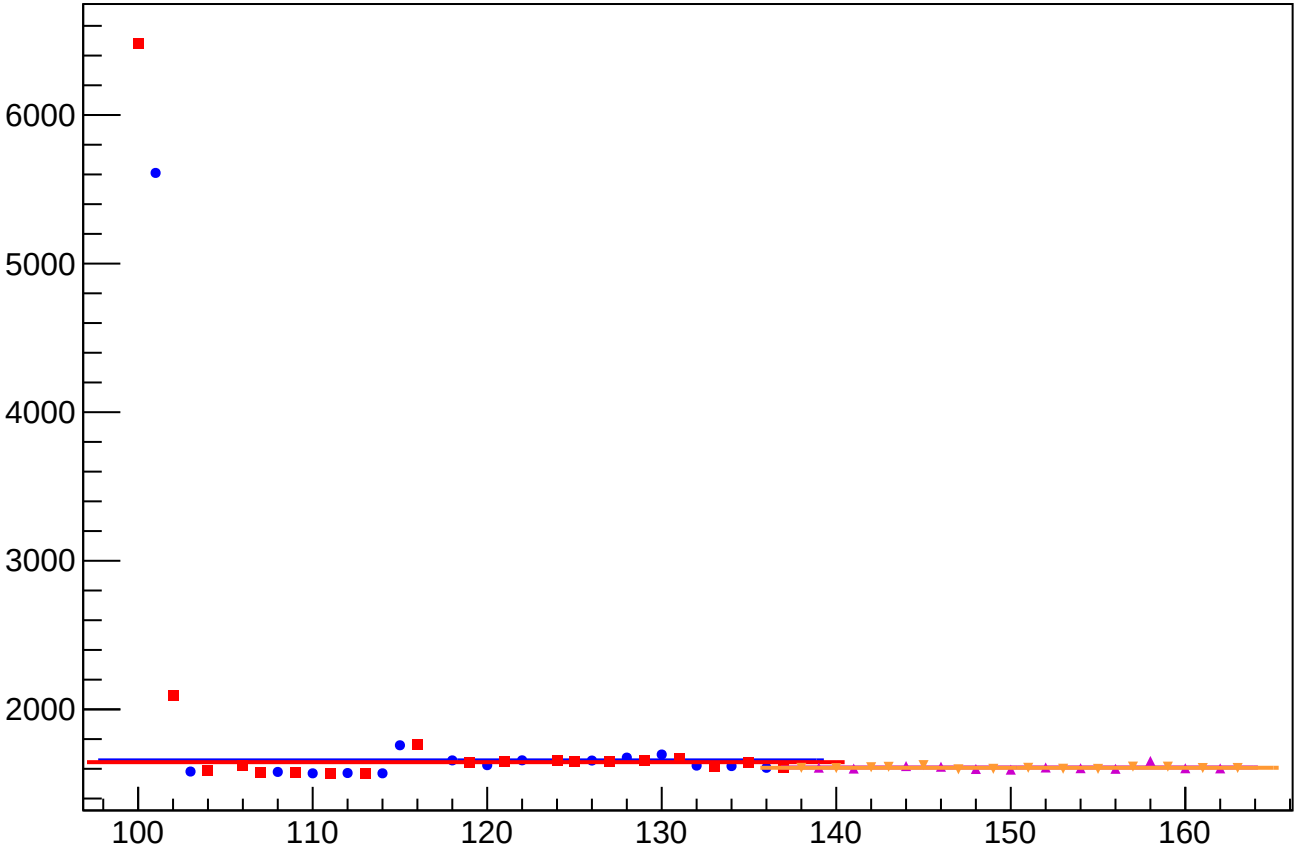
Left In: -2583.030+/-499.833 χ^2/NDF:21.4/11

+ sign 2264.195+/-381.785 χ^2/NDF: 32.5/29

All: -77.379+/-271.625 χ^2/NDF: 142.3/60

- sign -2477.530+/-386.531 χ^2/NDF: 33.6/30

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

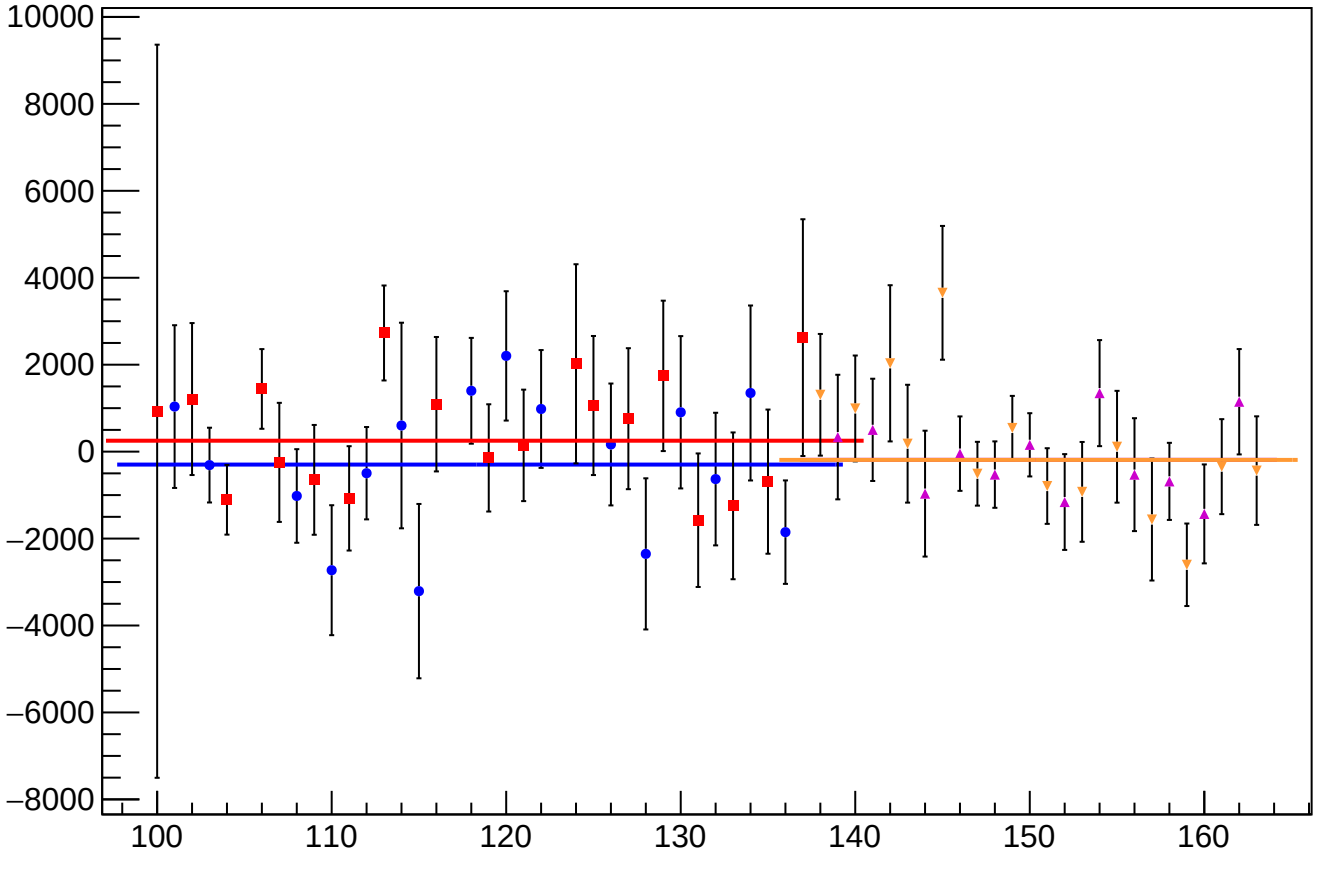
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

+ sign 1625.260+/-0.270 χ^2/NDF: 674548.7/29

All: 1624.339+/-0.192 χ^2/NDF: 816823.8/60

- sign 1623.394+/-0.273 χ^2/NDF: 142251.5/30



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -190.256+/-289.488 χ^2/NDF:19.5/13

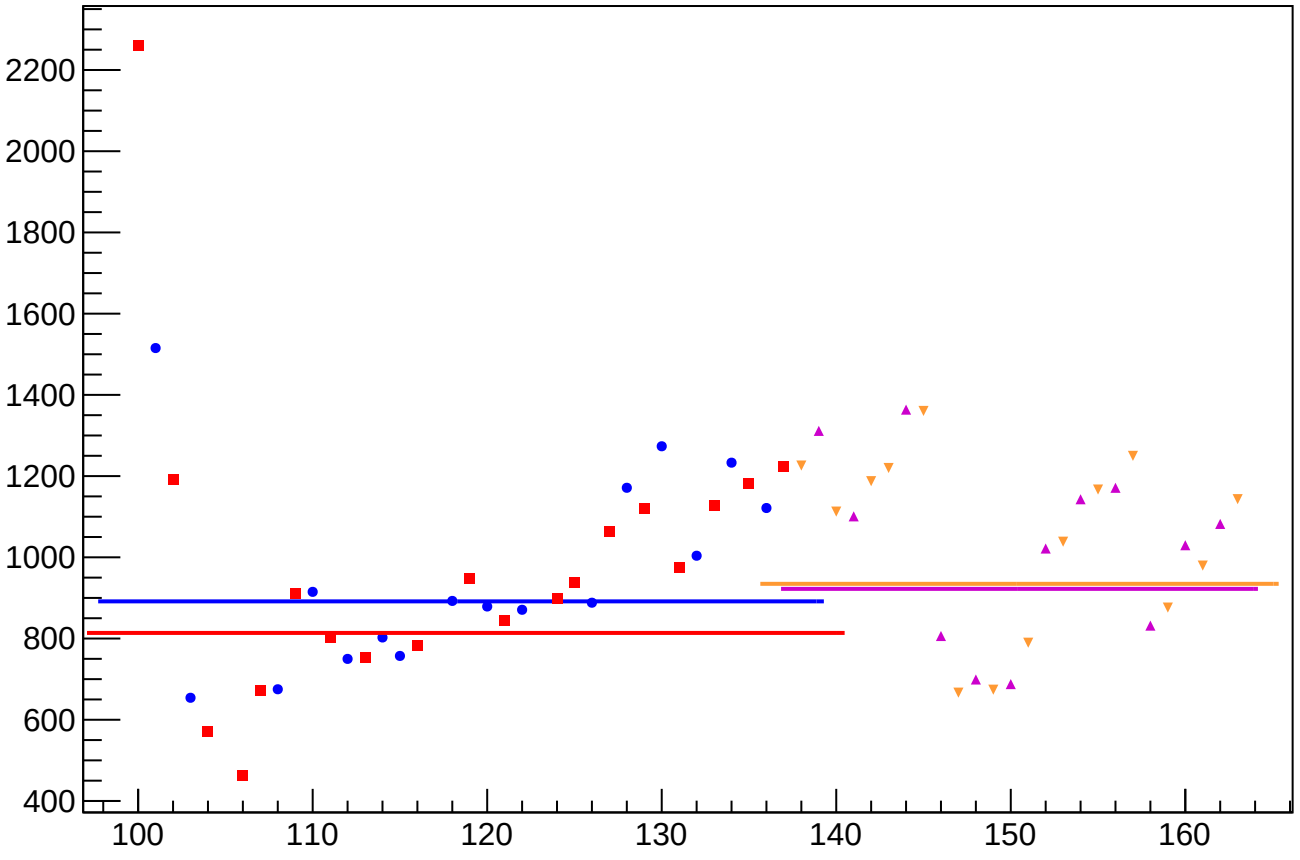
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -188.872+/-295.302 χ^2/NDF:6.4/11

+ sign -234.932+/-221.332 χ^2/NDF: 35.5/29

All: -105.979+/-154.467 χ^2/NDF: 60.9/60

- sign 16.469+/-215.676 χ^2/NDF: 24.7/30



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

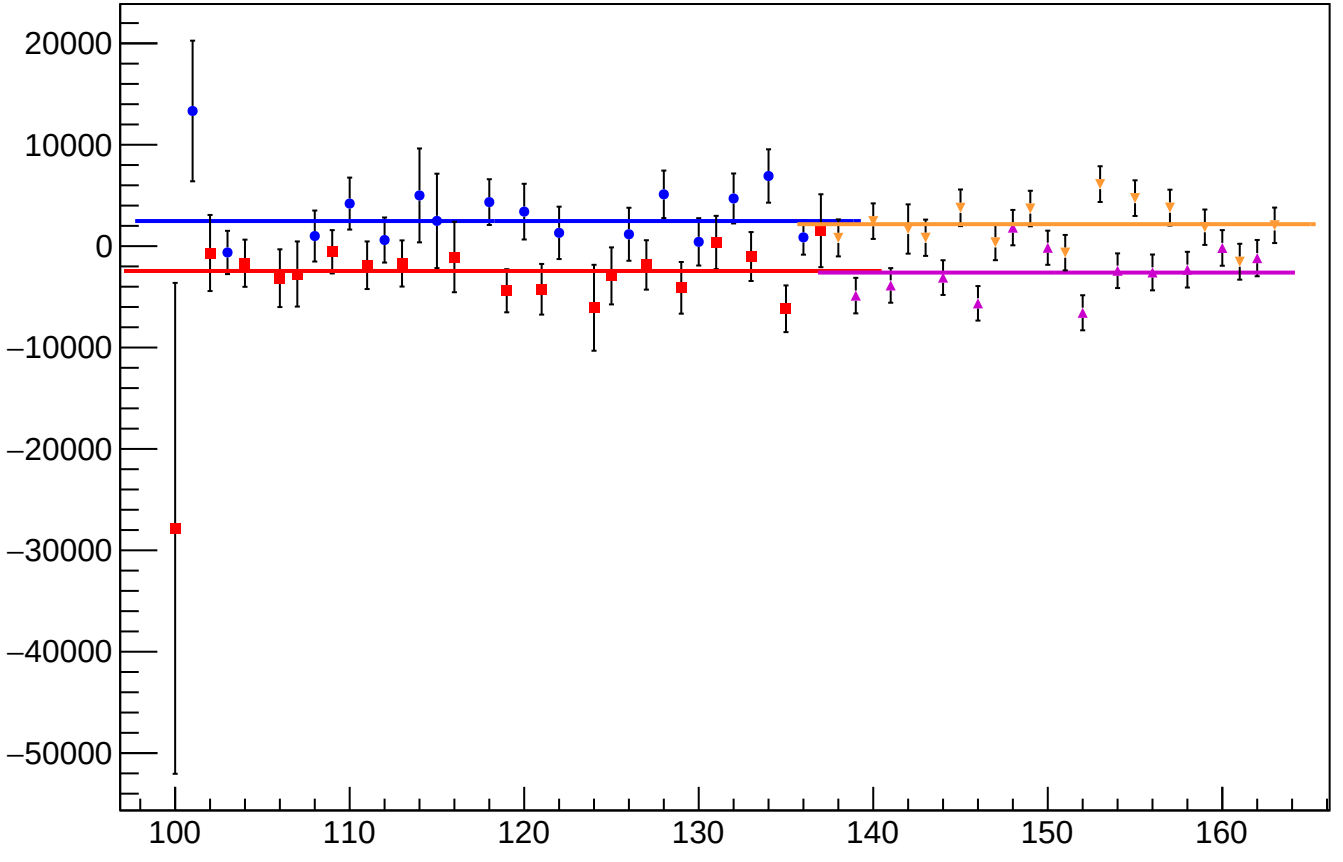
Left In: 922.303+/-0.209 χ^2/NDF:1023265.8/11

+ sign 916.782+/-0.157 χ^2/NDF: 2043185.0/29

All: 893.648+/-0.109 χ^2/NDF: 4288001.7/60

- sign 871.682+/-0.153 χ^2/NDF: 2202221.4/30

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.769+/-480.587 χ^2/NDF:18.8/13

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

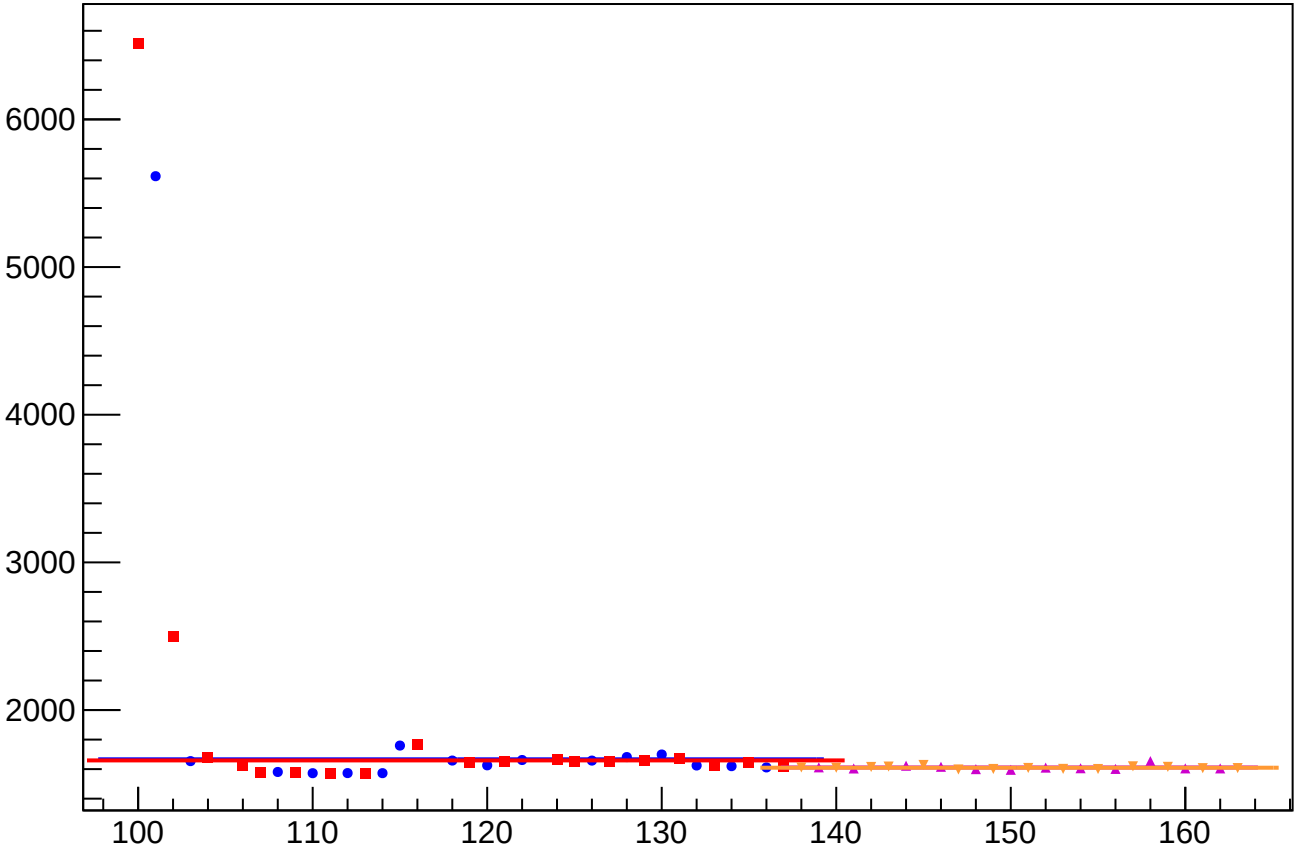
Left In: -2607.953+/-500.458 χ^2/NDF:21.9/11

+ sign 2278.727+/-382.960 χ^2/NDF: 33.1/29

All: -96.563+/-272.838 χ^2/NDF: 143.8/60

- sign -2544.962+/-388.809 χ^2/NDF: 32.5/30

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

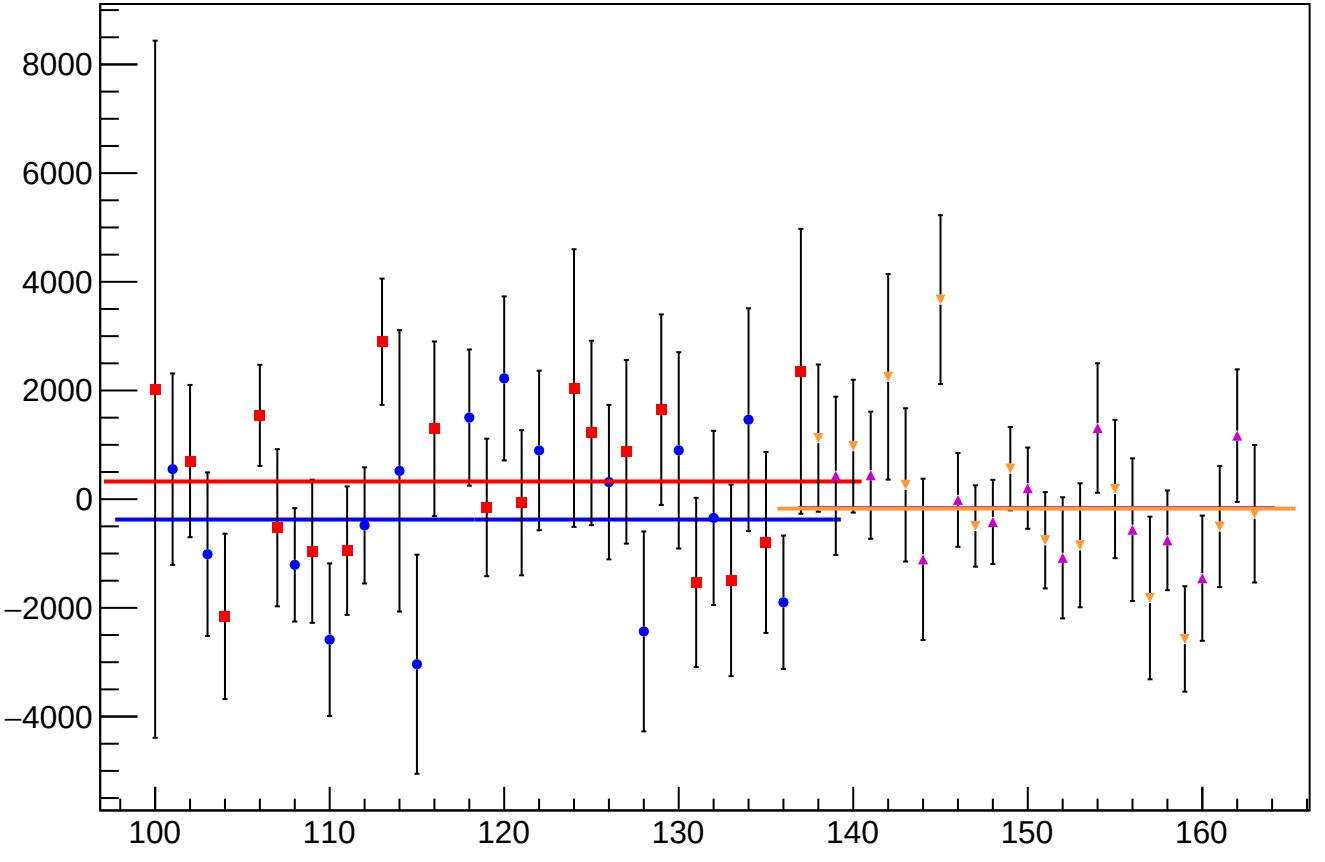
Left In: 1611.048+/-0.354 χ^2/NDF:1721.5/11

+ sign 1630.265+/-0.271 χ^2/NDF: 673732.3/29

All: 1630.163+/-0.193 χ^2/NDF: 875957.9/60

- sign 1630.059+/-0.275 χ^2/NDF: 202225.4/30

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -173.545+/-294.917 χ^2/NDF:19.0/13

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

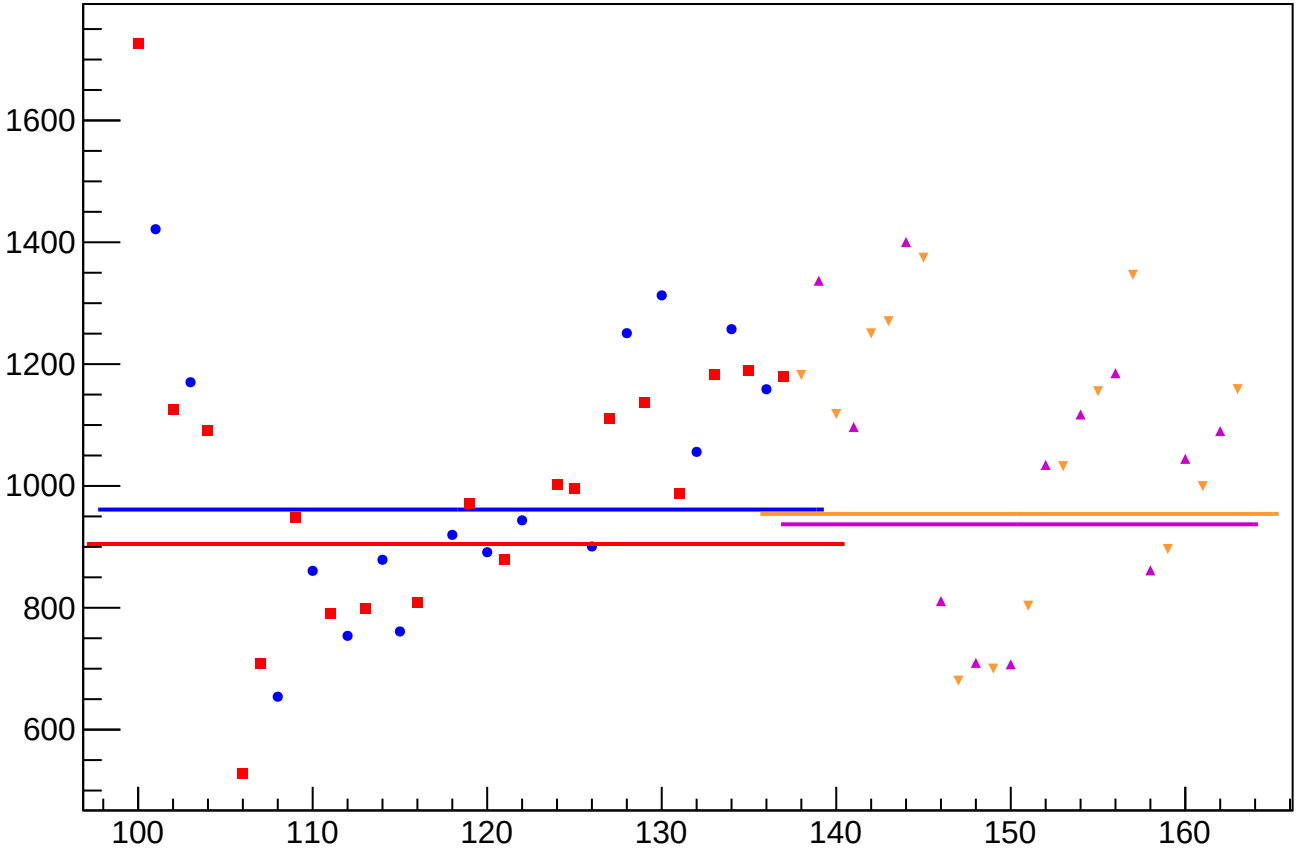
Left In: -162.372+/-299.415 χ^2/NDF:6.4/11

+ sign -252.185+/-230.120 χ^2/NDF: 35.0/29

All: -97.431+/-160.836 χ^2/NDF: 60.8/60

- sign 50.359+/-224.883 χ^2/NDF: 24.9/30

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 954.149+/-0.209 χ^2/NDF:1193613.7/13

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

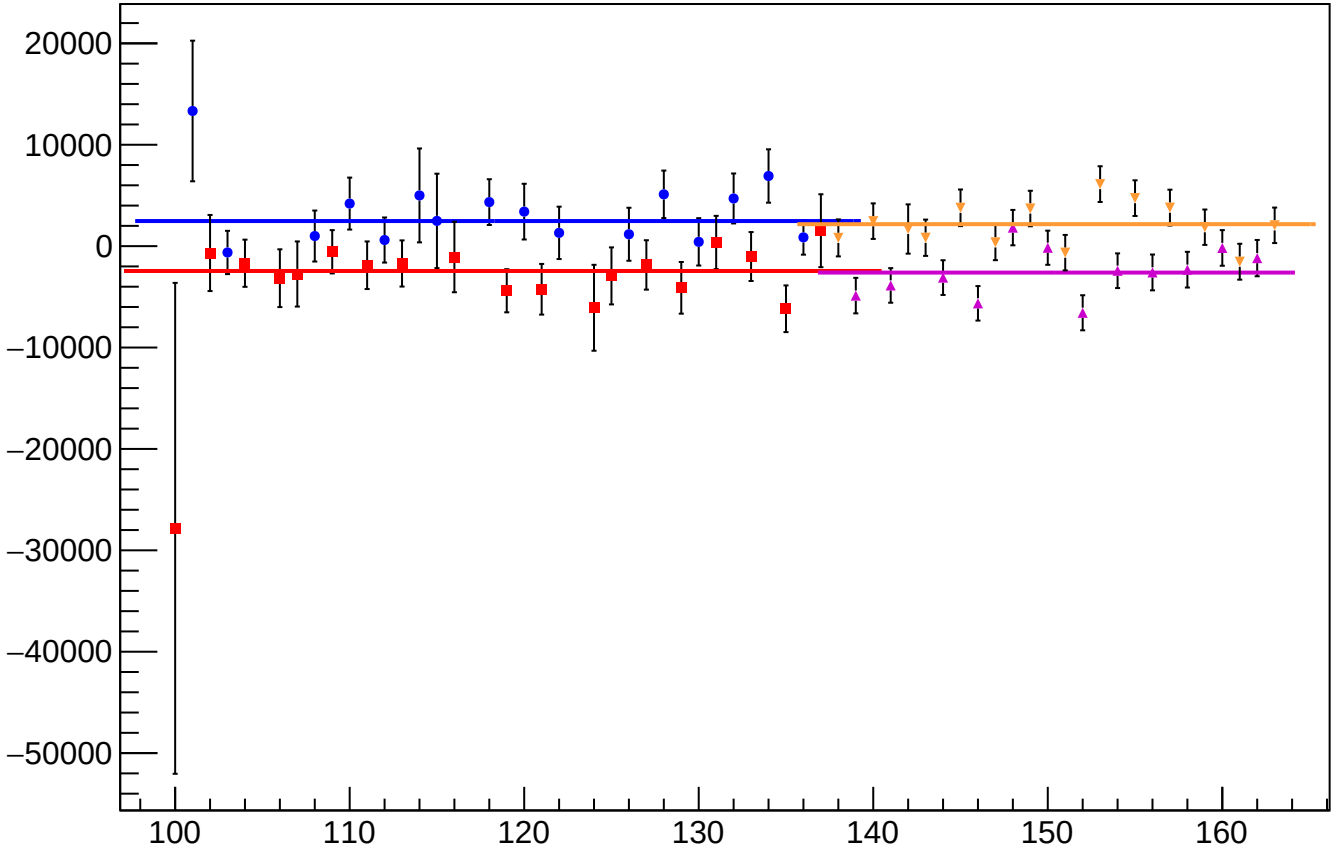
Left In: 937.035+/-0.212 χ^2/NDF:981536.7/11

+ sign 956.924+/-0.163 χ^2/NDF: 1885941.6/29

All: 939.549+/-0.114 χ^2/NDF: 3636396.6/60

- sign 922.956+/-0.159 χ^2/NDF: 1728165.8/30

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.768+/-480.587 χ^2/NDF:18.8/13

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

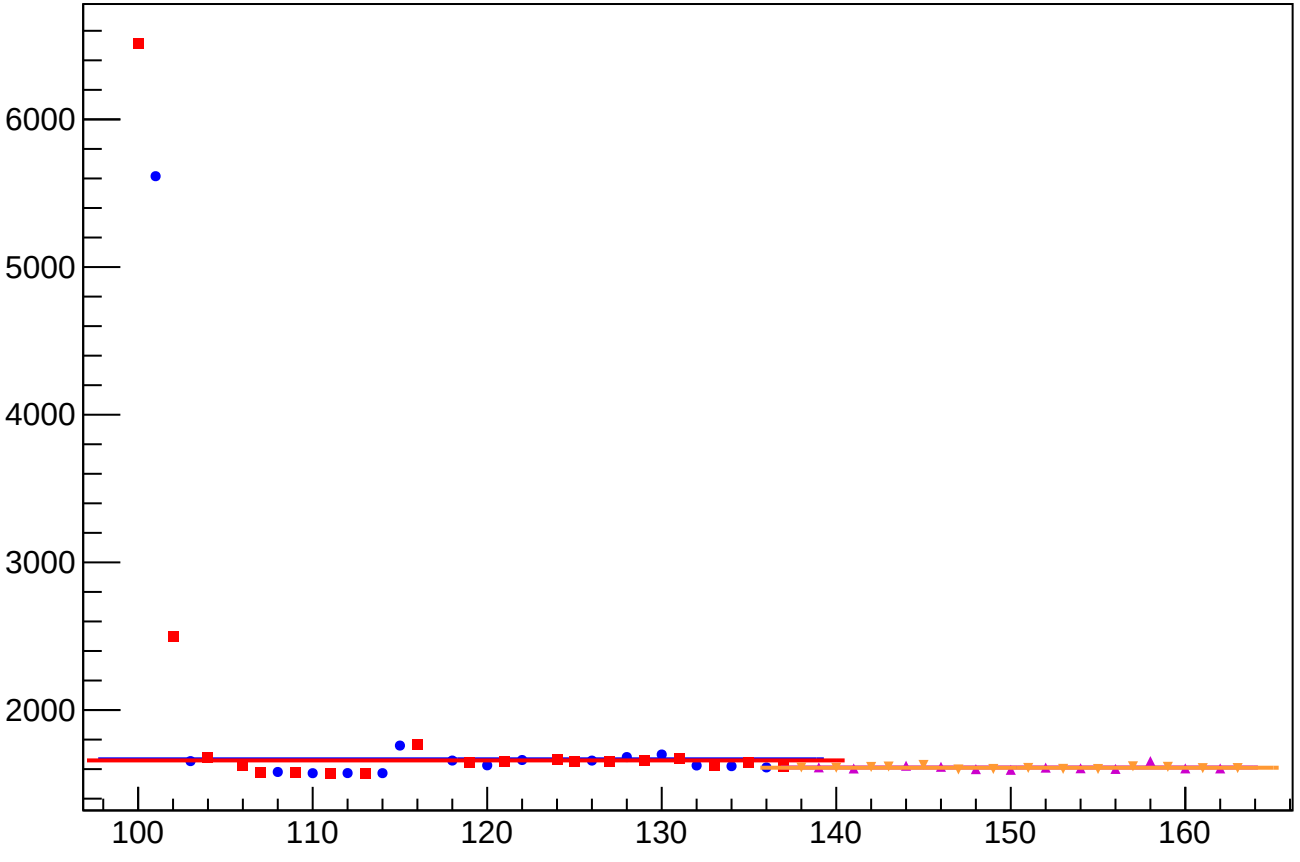
Left In: -2607.953+/-500.458 χ^2/NDF:21.9/11

+ sign 2278.726+/-382.960 χ^2/NDF: 33.1/29

All: -96.564+/-272.838 χ^2/NDF: 143.8/60

- sign -2544.963+/-388.809 χ^2/NDF: 32.5/30

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

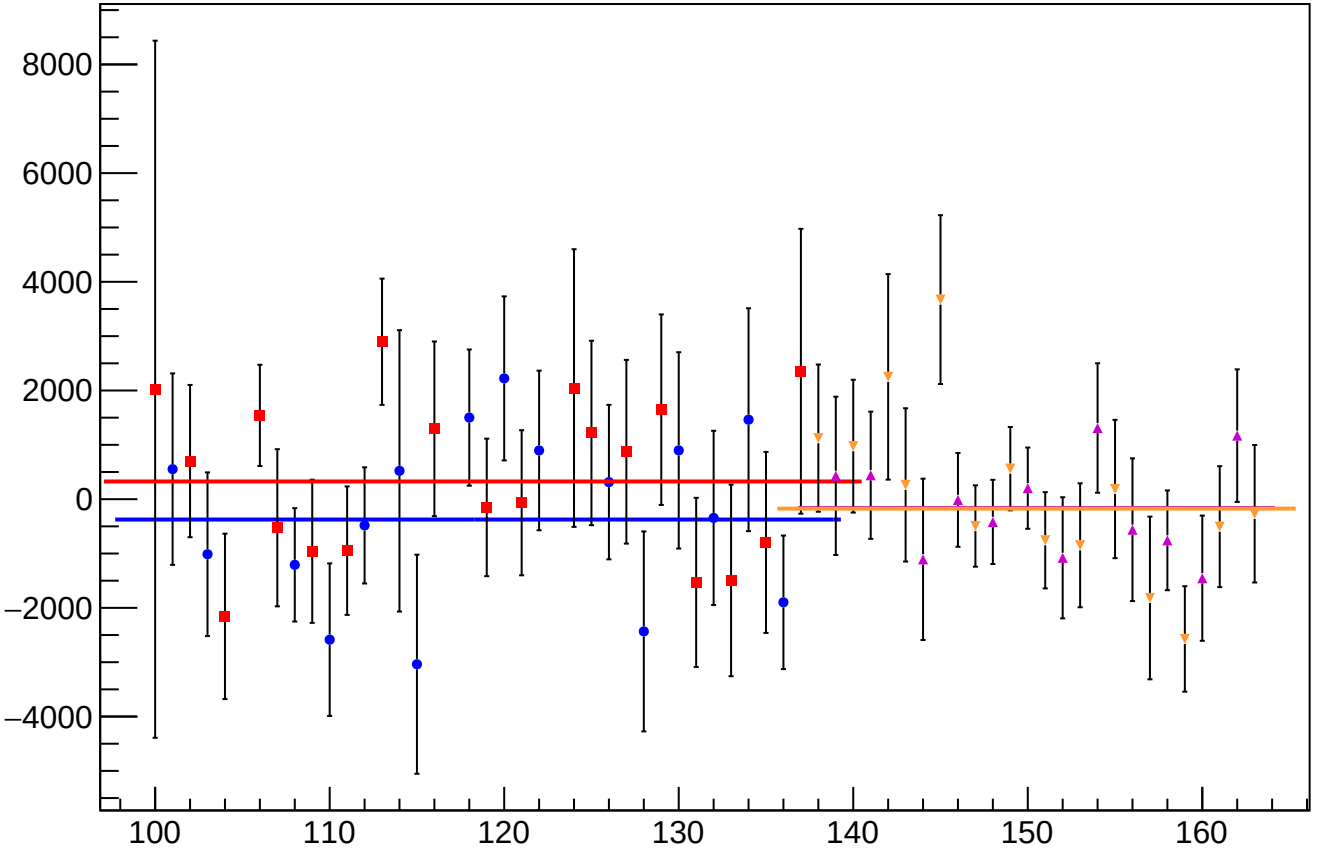
Left In: 1611.048+/-0.354 χ^2/NDF:1721.6/11

+ sign 1630.265+/-0.271 χ^2/NDF: 673732.2/29

All: 1630.163+/-0.193 χ^2/NDF: 875957.6/60

- sign 1630.059+/-0.275 χ^2/NDF: 202225.1/30

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -173.547+/-294.918 χ^2/NDF:19.0/13

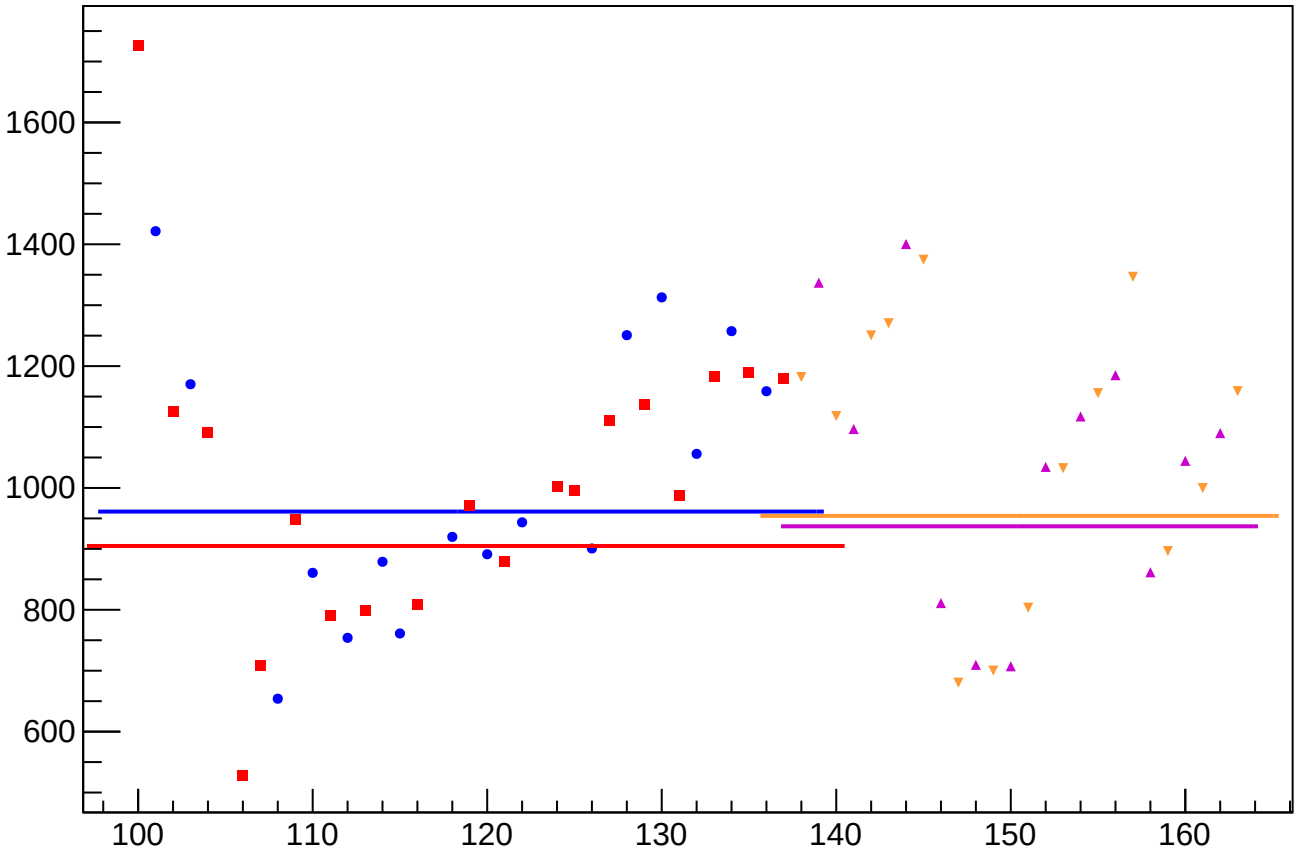
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -162.373+/-299.415 χ^2/NDF:6.4/11

+ sign -252.186+/-230.120 χ^2/NDF: 35.0/29

All: -97.431+/-160.836 χ^2/NDF: 60.8/60

- sign 50.359+/-224.883 χ^2/NDF: 24.9/30



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 954.151+/-0.209 χ^2/NDF:1193616.4/13

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

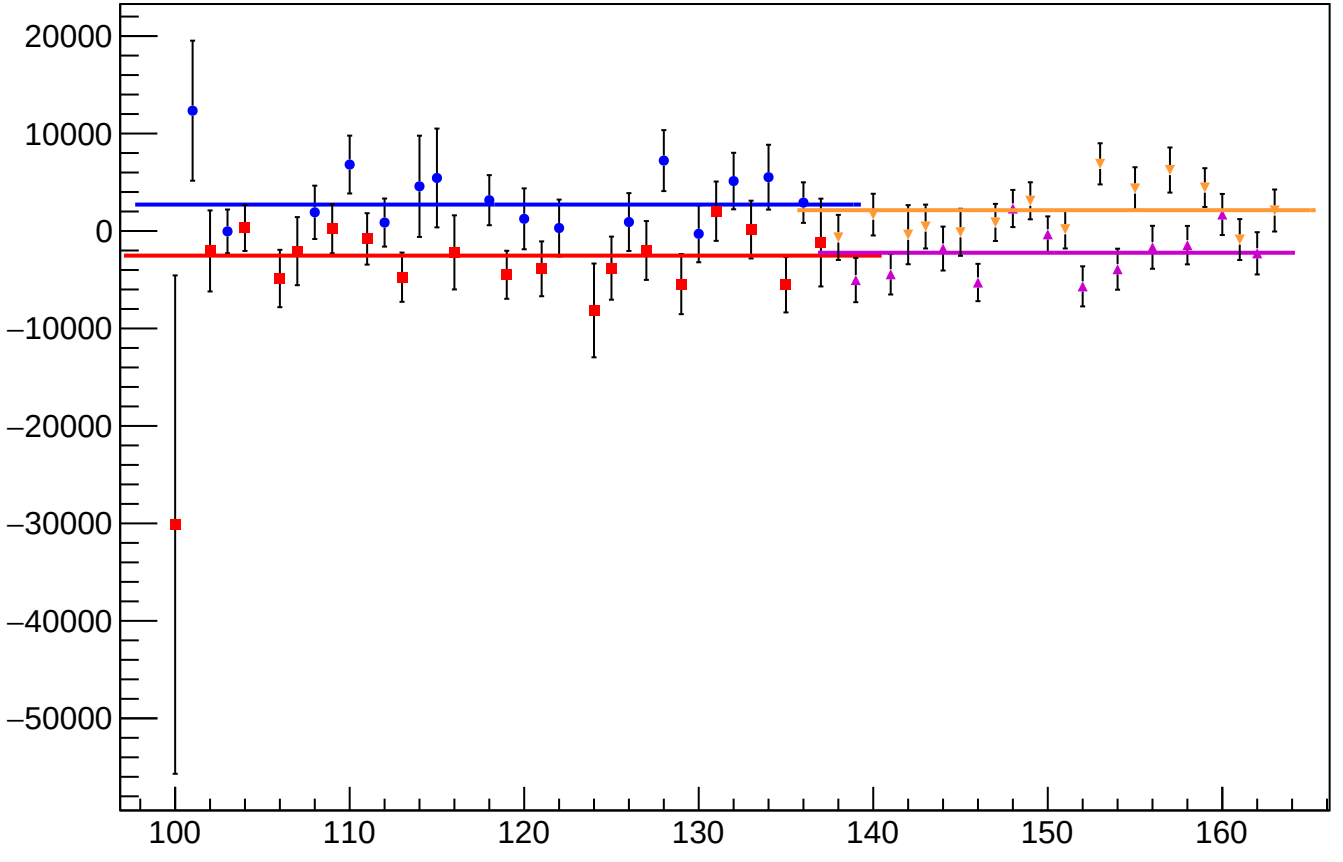
Left In: 937.037+/-0.212 χ^2/NDF:981539.6/11

+ sign 956.923+/-0.163 χ^2/NDF: 1885951.7/29

All: 939.549+/-0.114 χ^2/NDF: 3636409.5/60

- sign 922.956+/-0.159 χ^2/NDF: 1728168.9/30

asym_usr_atr1_avg_mean vs Slug



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2134.425+/-576.380 χ^2/NDF:18.0/13

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

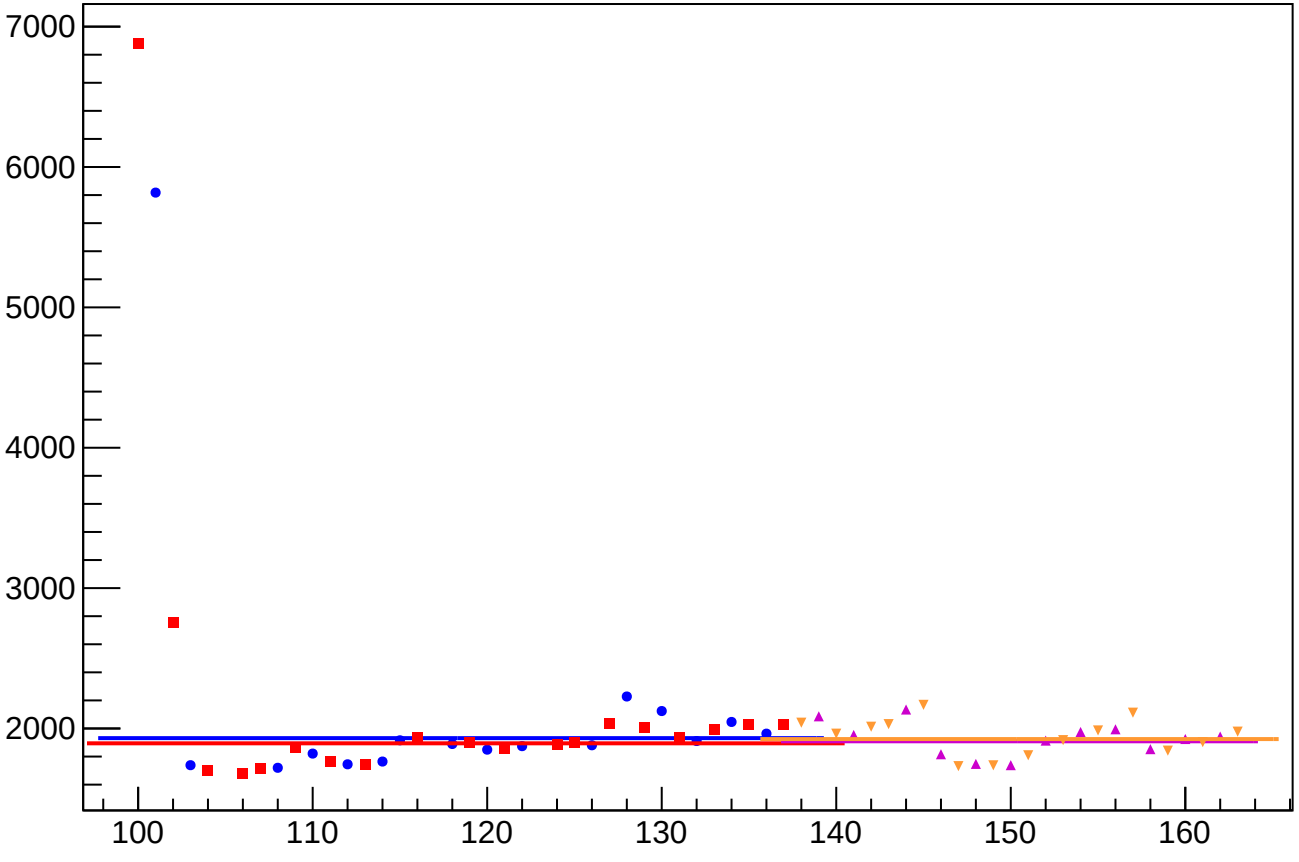
Left In: -2232.139+/-594.313 χ^2/NDF:19.1/11

+ sign 2354.095+/-453.574 χ^2/NDF: 30.5/29

All: 6.453+/-321.152 χ^2/NDF: 116.7/60

- sign -2353.731+/-454.784 χ^2/NDF: 32.5/30

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1924.560+/-0.408 χ^2/NDF:98743.8/13

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

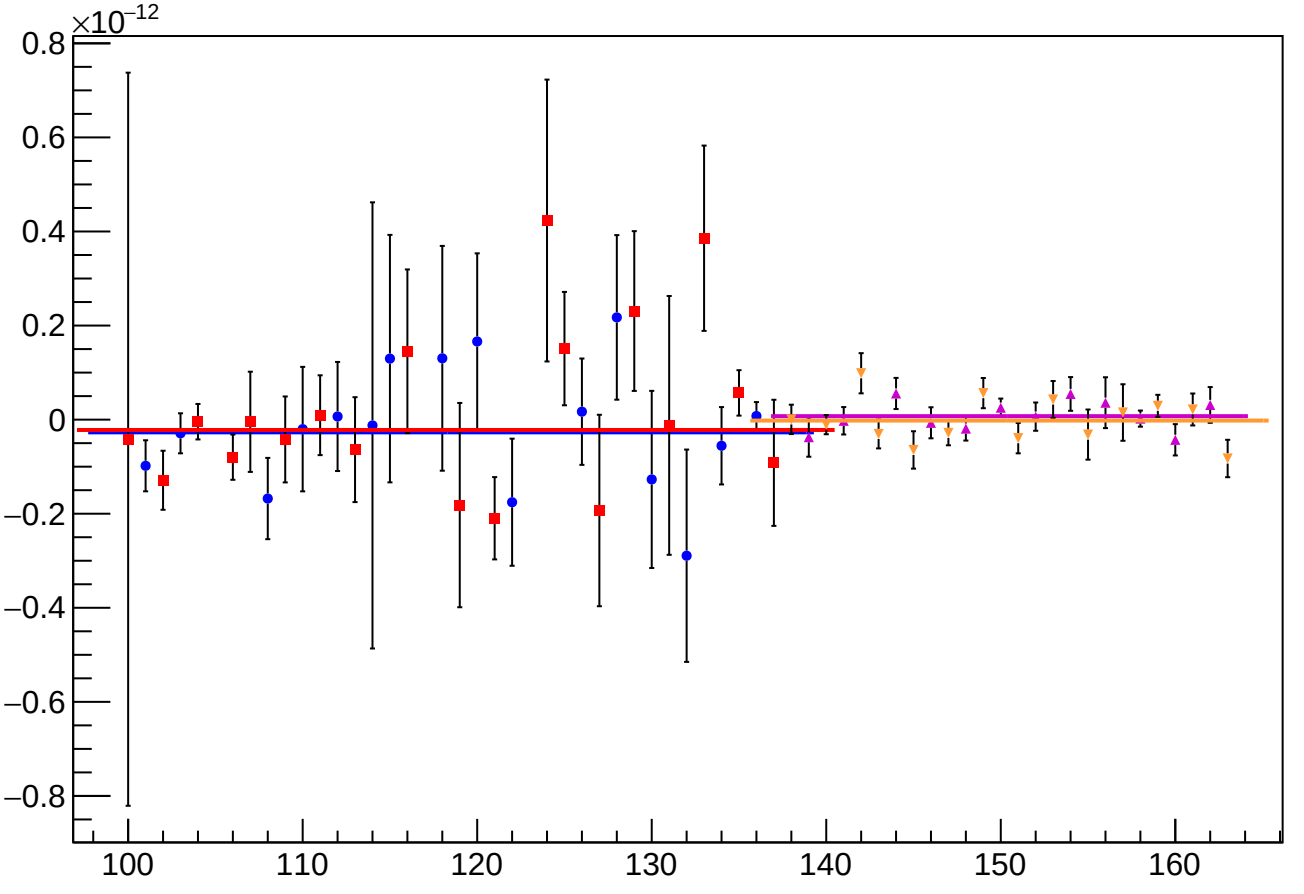
Left In: 1908.783+/-0.420 χ^2/NDF:76718.4/11

+ sign 1927.107+/-0.321 χ^2/NDF: 760073.4/29

All: 1914.986+/-0.227 χ^2/NDF: 1060685.8/60

- sign 1902.801+/-0.322 χ^2/NDF: 297748.4/30

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/13

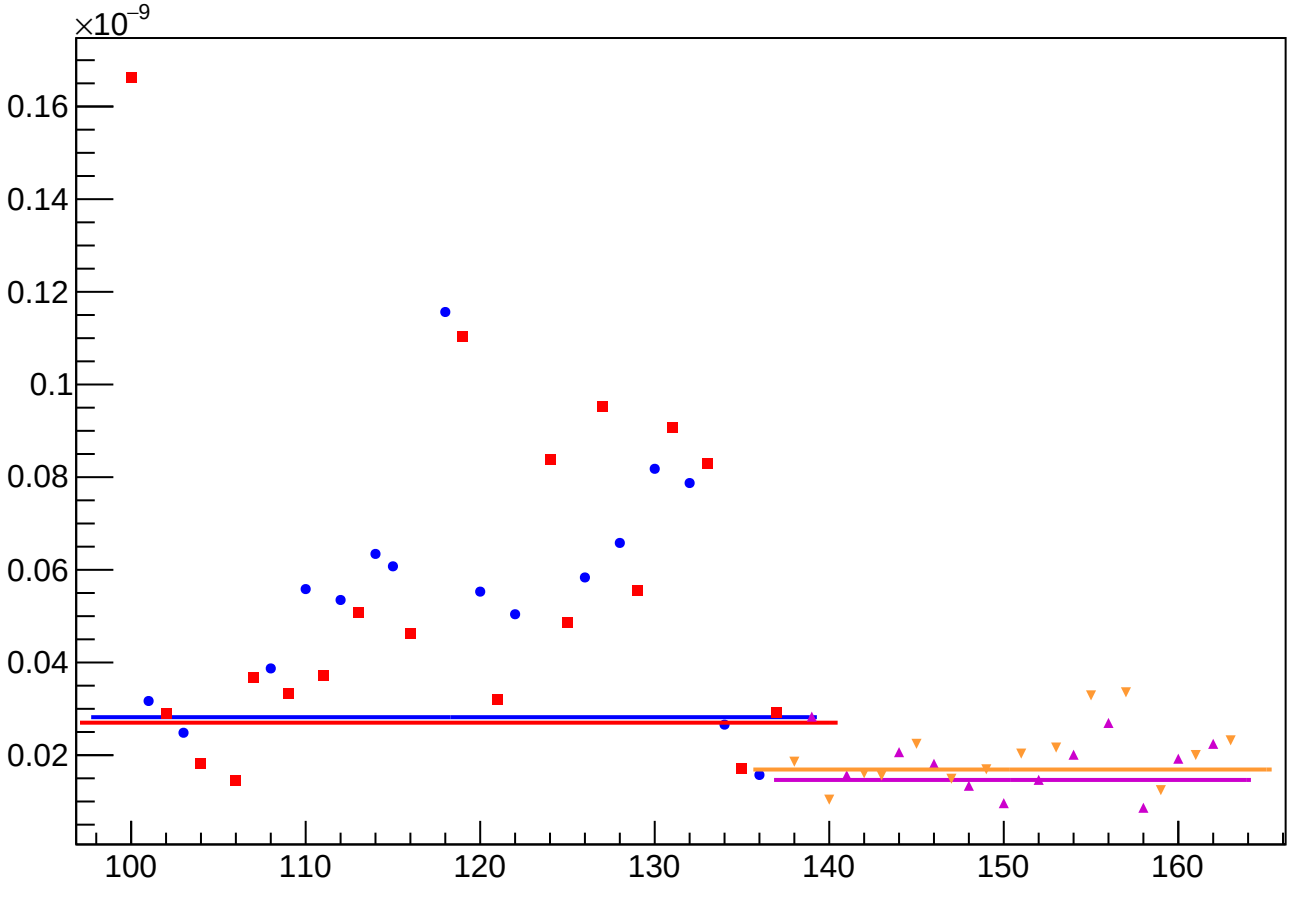
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/29

All: -0.000+/-0.000 χ^2/NDF: 75.3/60

- sign 0.000+/-0.000 χ^2/NDF: 37.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:791251.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

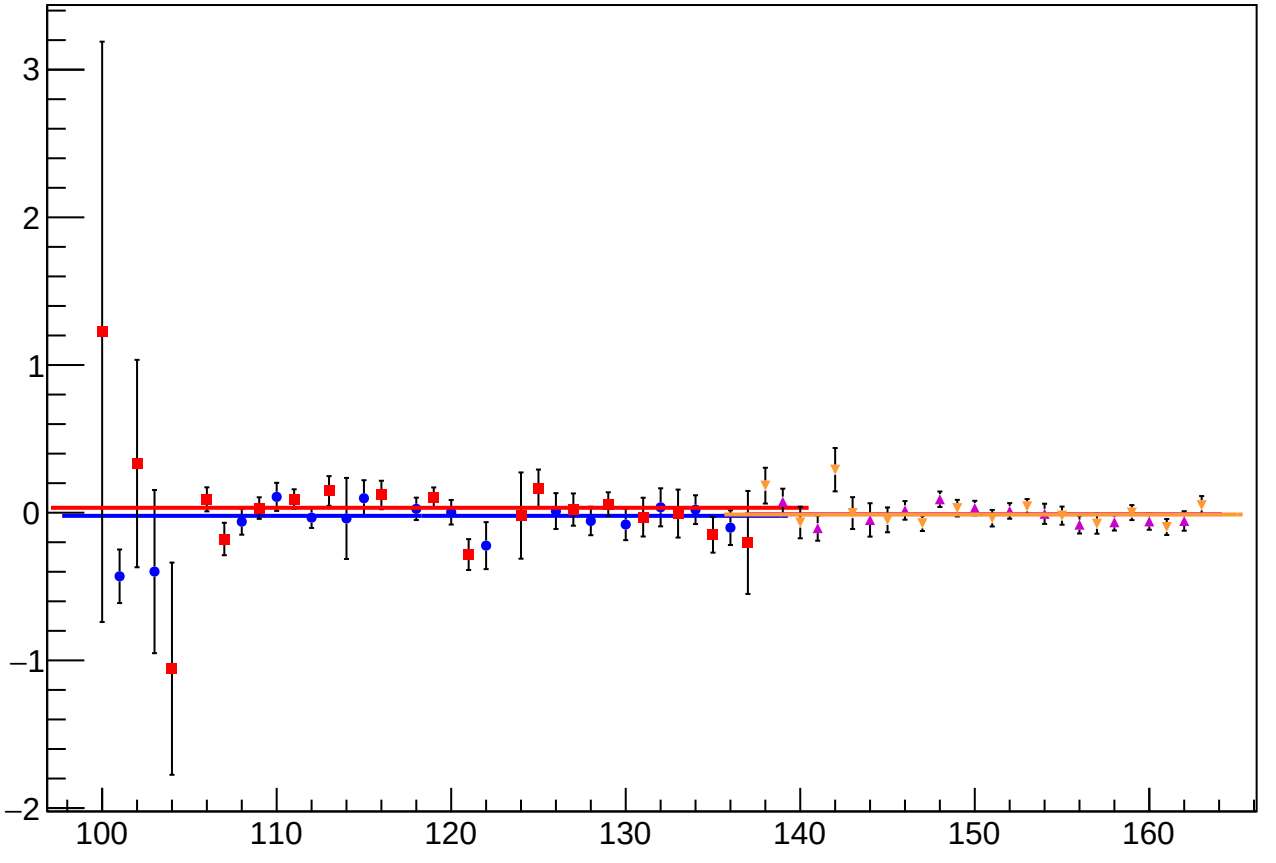
Left In: 0.000+/-0.000 χ^2/NDF:963741.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 2861223.8/29

All: 0.000+/-0.000 χ^2/NDF: 6160052.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3211419.3/30

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: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

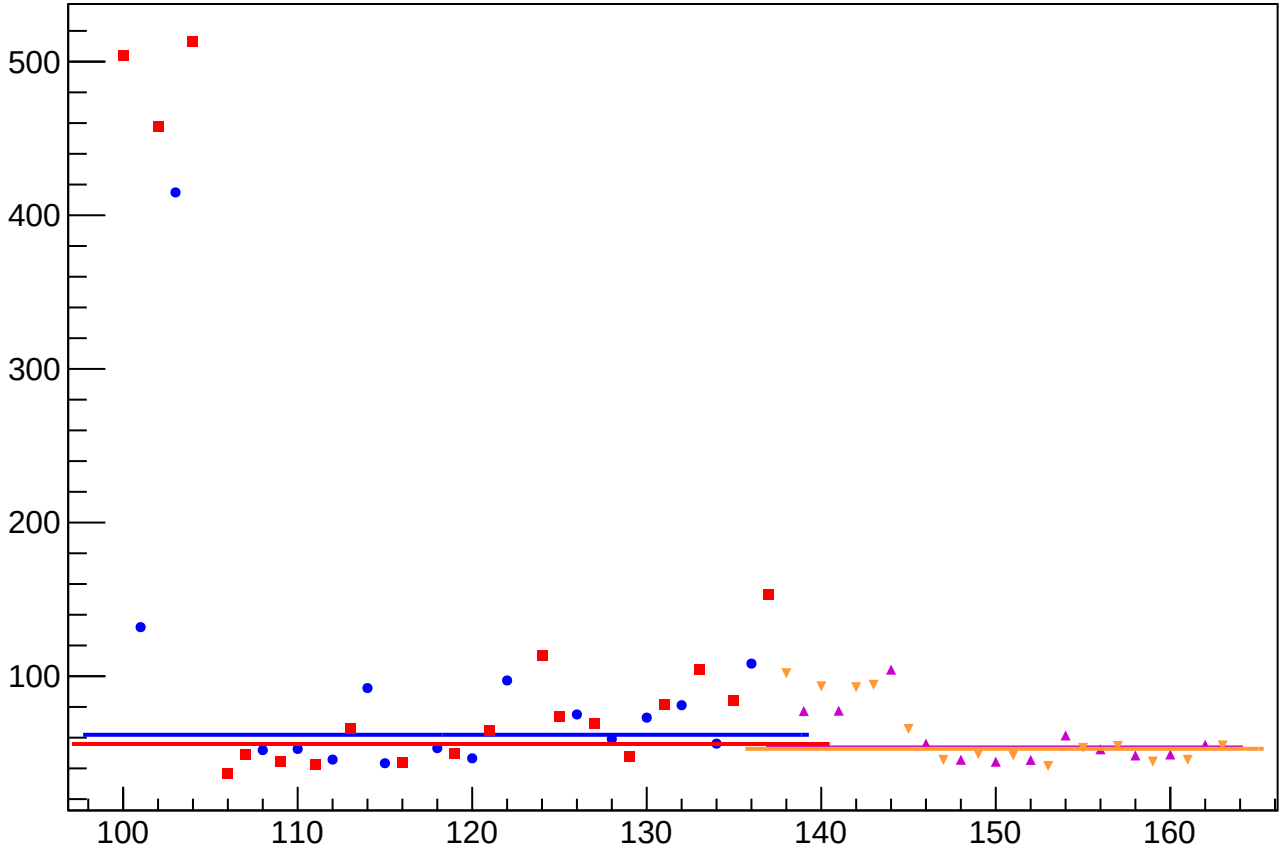
Left In: -0.010+/-0.018 χ^2/NDF:10.6/11

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.005+/-0.010 χ^2/NDF: 65.0/60

- sign 0.005+/-0.015 χ^2/NDF: 37.0/30

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: 52.744+/-0.012 χ^2/NDF:1363418.0/13

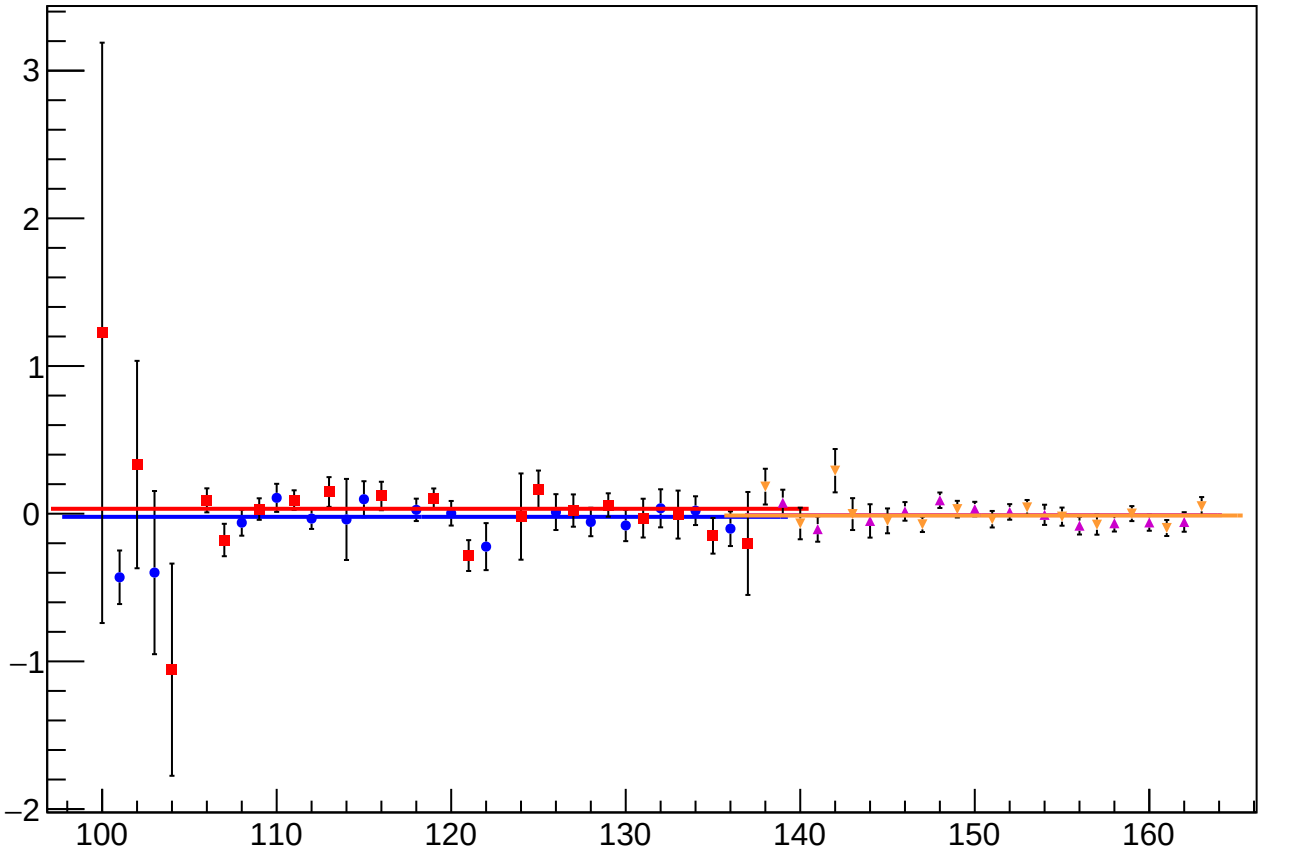
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.629+/-0.013 χ^2/NDF:931541.6/11

+ sign 55.491+/-0.010 χ^2/NDF: 3466719.1/29

All: 54.953+/-0.007 χ^2/NDF: 7005952.6/60

- sign 54.418+/-0.010 χ^2/NDF: 3533792.4/30



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

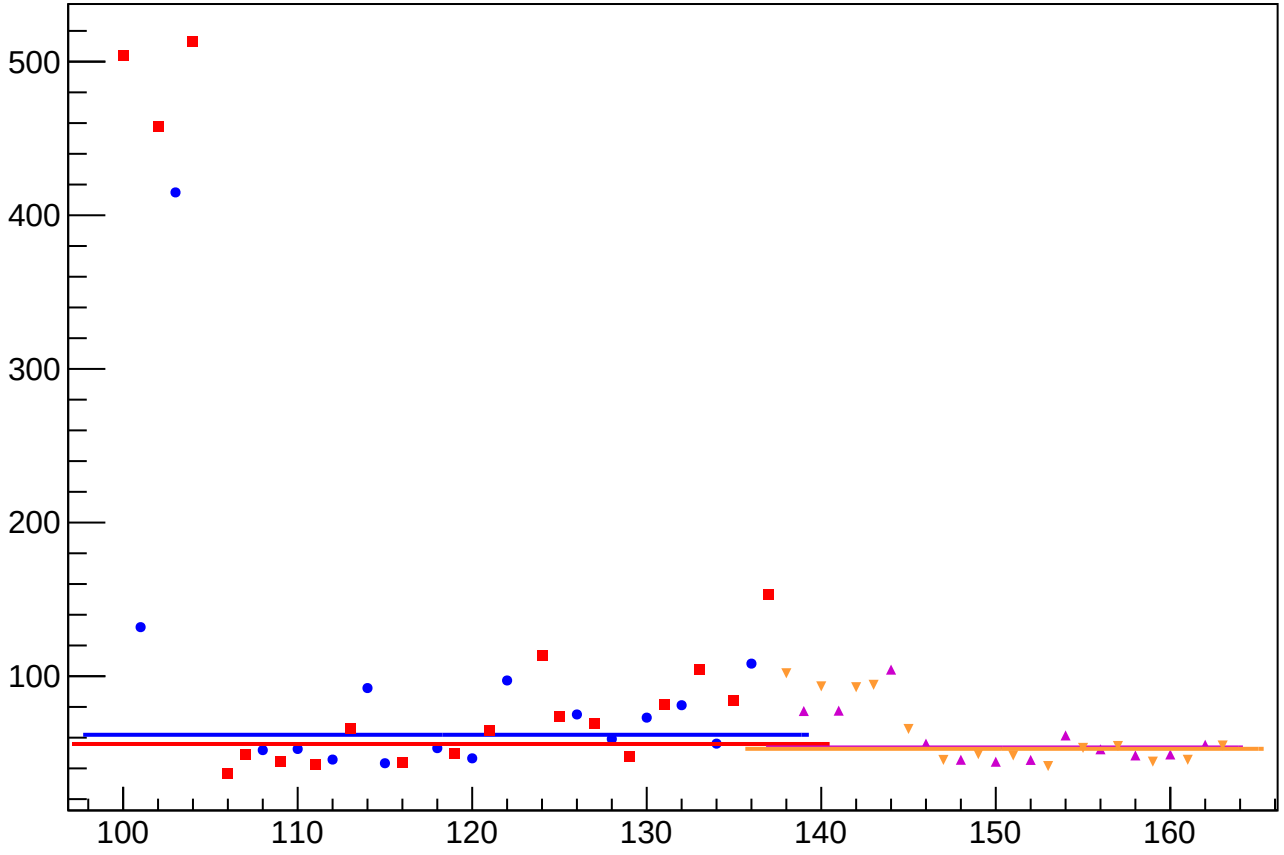
Left In: -0.010+/-0.018 χ^2/NDF:10.6/11

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.005+/-0.010 χ^2/NDF: 65.0/60

- sign 0.005+/-0.015 χ^2/NDF: 37.0/30

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363418.0/13

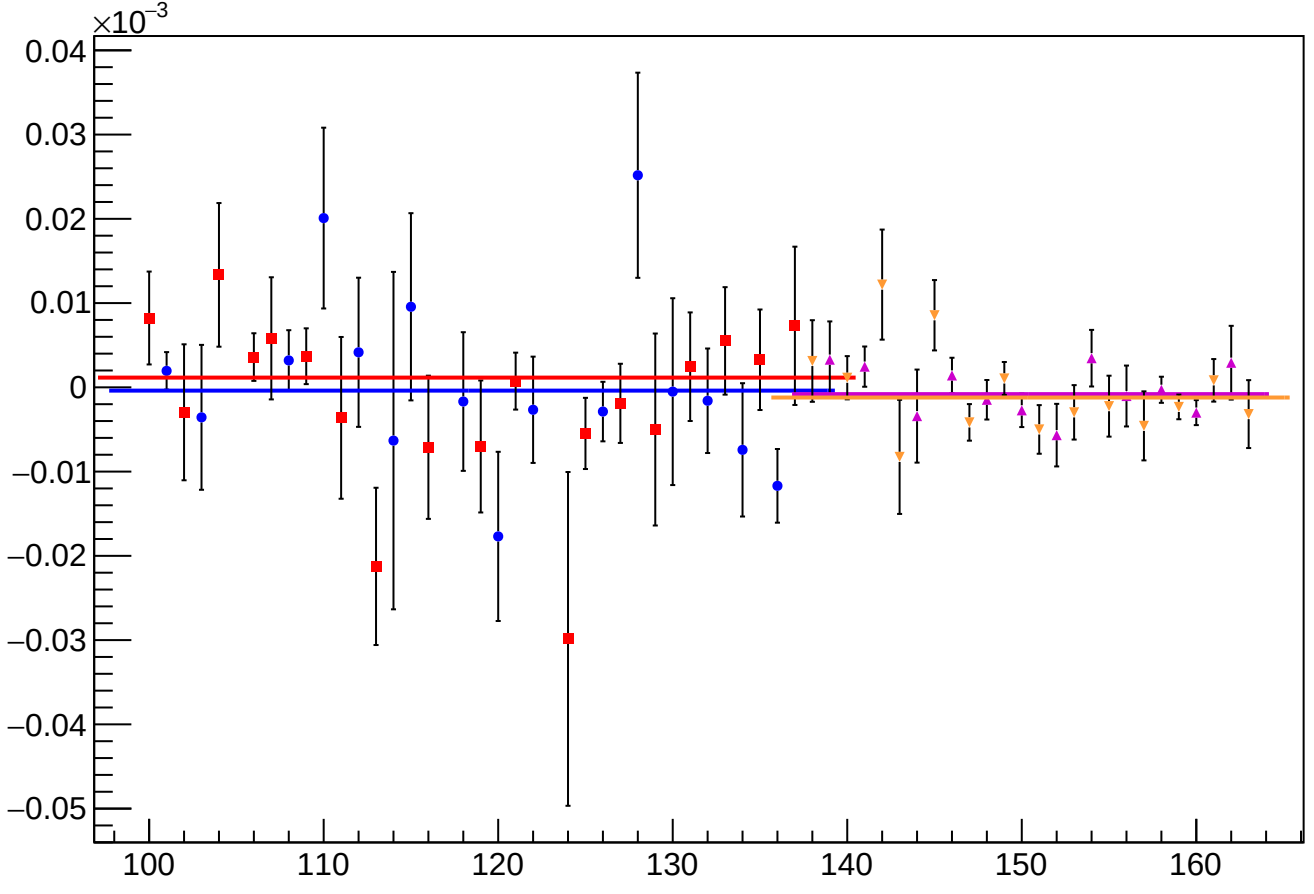
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.629+/-0.013 χ^2/NDF:931541.6/11

+ sign 55.491+/-0.010 χ^2/NDF: 3466719.1/29

All: 54.953+/-0.007 χ^2/NDF: 7005952.6/60

- sign 54.418+/-0.010 χ^2/NDF: 3533792.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

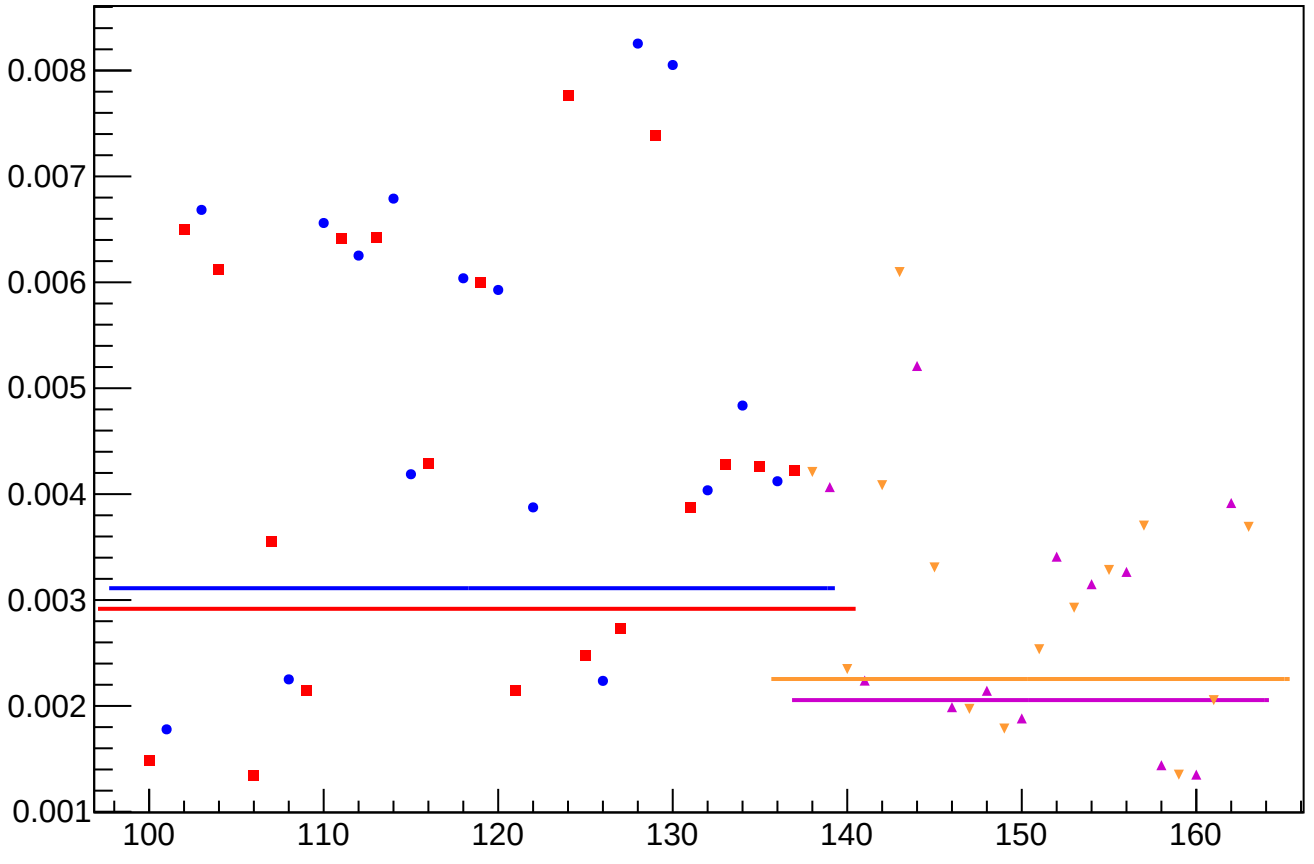
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/29

All: -0.000+/-0.000 χ^2/NDF: 77.0/60

- sign -0.000+/-0.000 χ^2/NDF: 33.7/30



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2953582.5/13

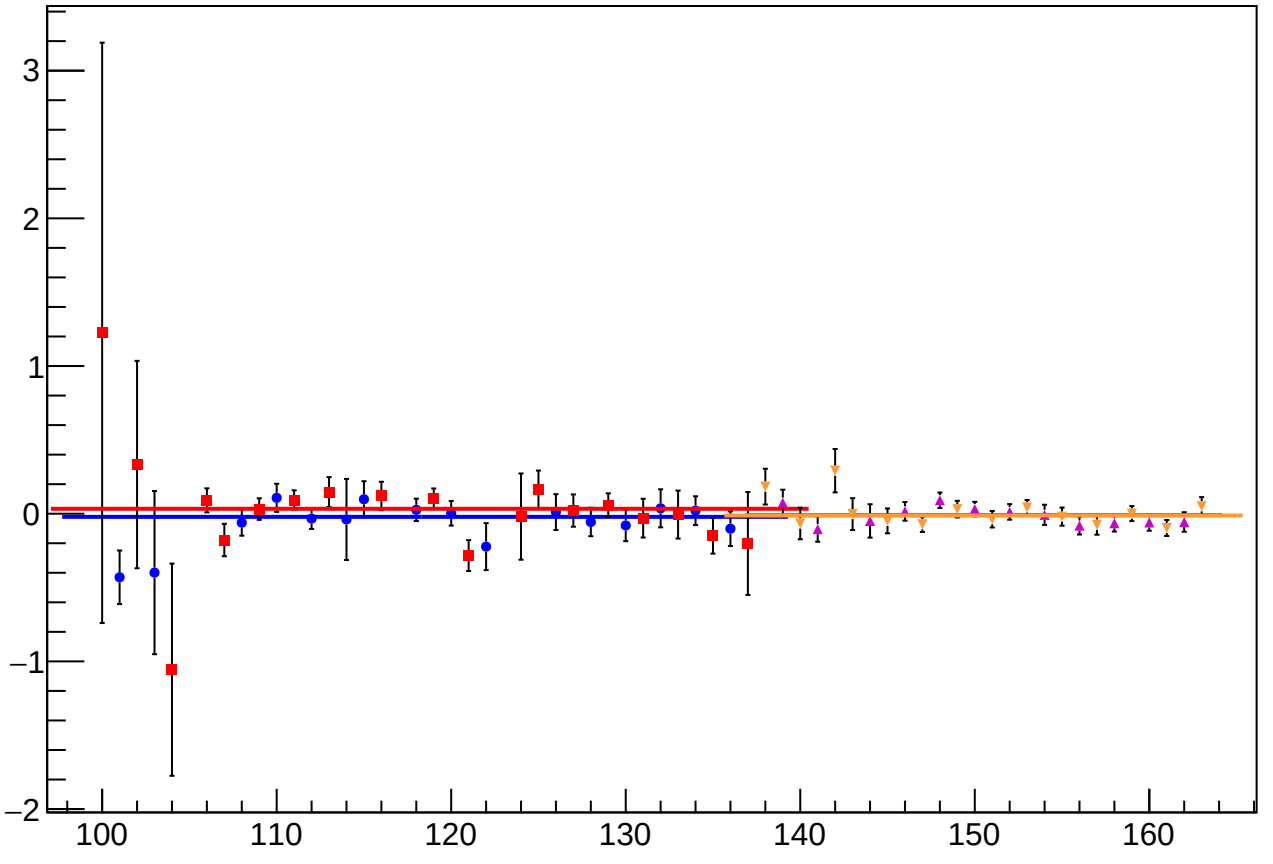
Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2905833.0/11

+ sign 0.002+/-0.000 χ^2/NDF: 6869767.6/29

All: 0.002+/-0.000 χ^2/NDF: 13897746.1/60

- sign 0.002+/-0.000 χ^2/NDF: 6925989.6/30



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

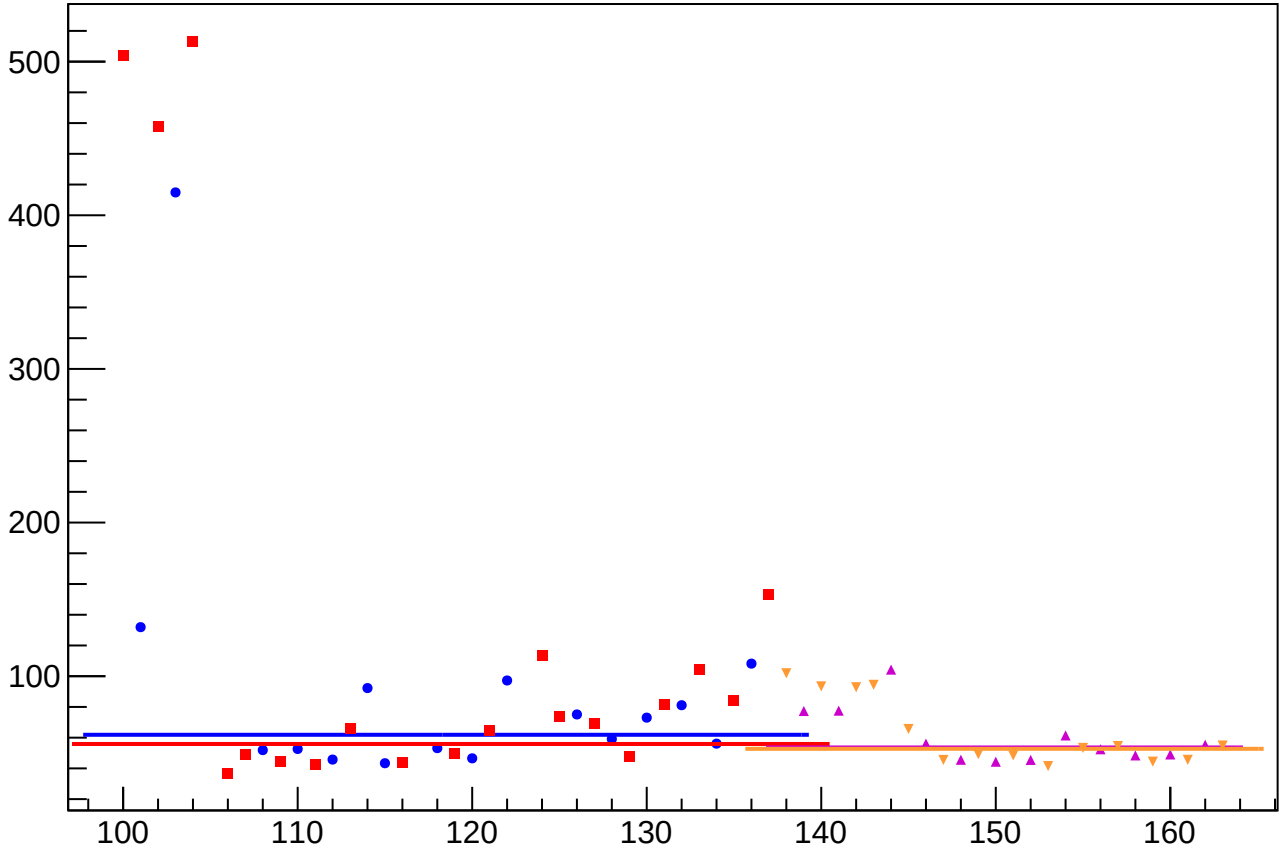
Left In: -0.010+/-0.018 χ^2/NDF:10.6/11

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.005+/-0.010 χ^2/NDF: 65.0/60

- sign 0.005+/-0.015 χ^2/NDF: 37.0/30

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363450.9/13

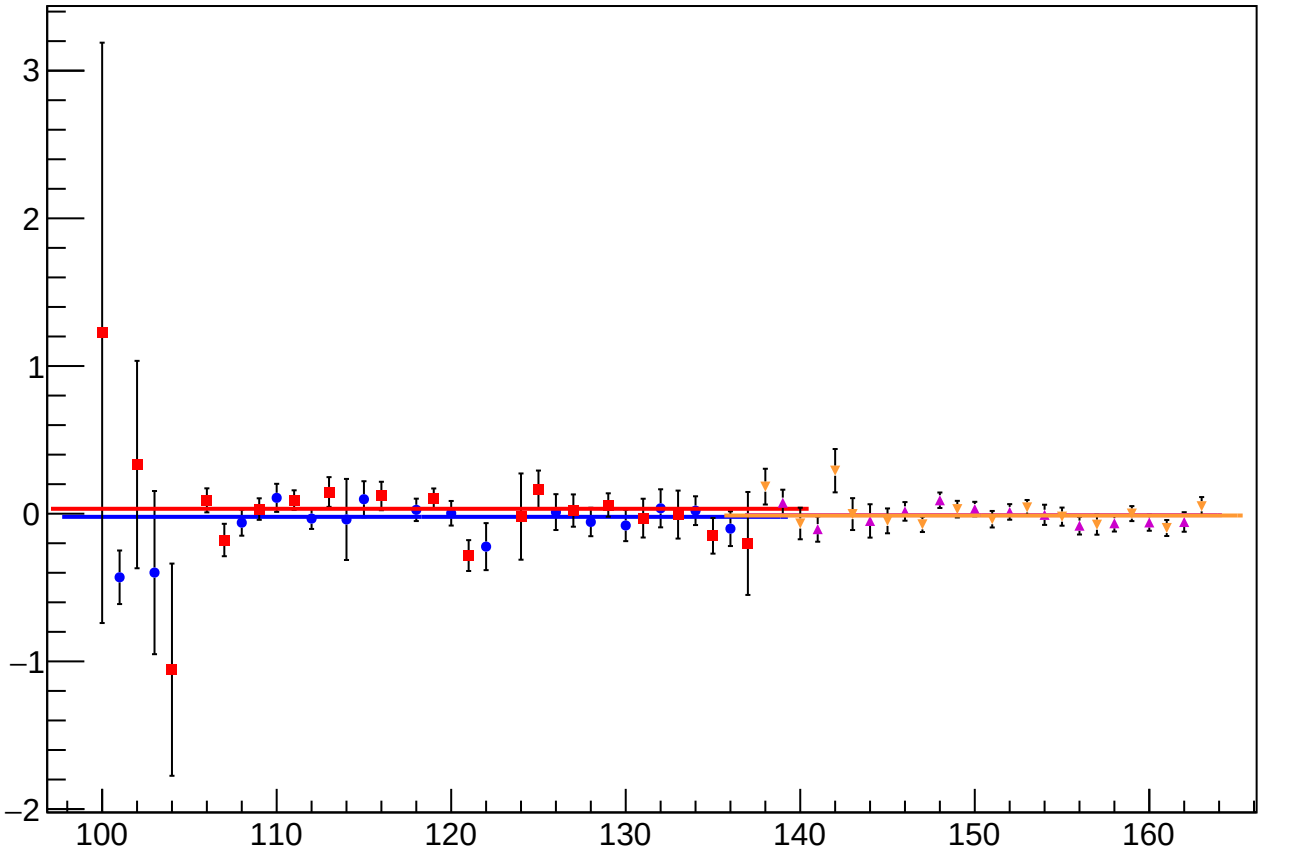
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.630+/-0.013 χ^2/NDF:931525.5/11

+ sign 55.491+/-0.010 χ^2/NDF: 3466685.9/29

All: 54.953+/-0.007 χ^2/NDF: 7005851.7/60

- sign 54.418+/-0.010 χ^2/NDF: 3533725.4/30



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

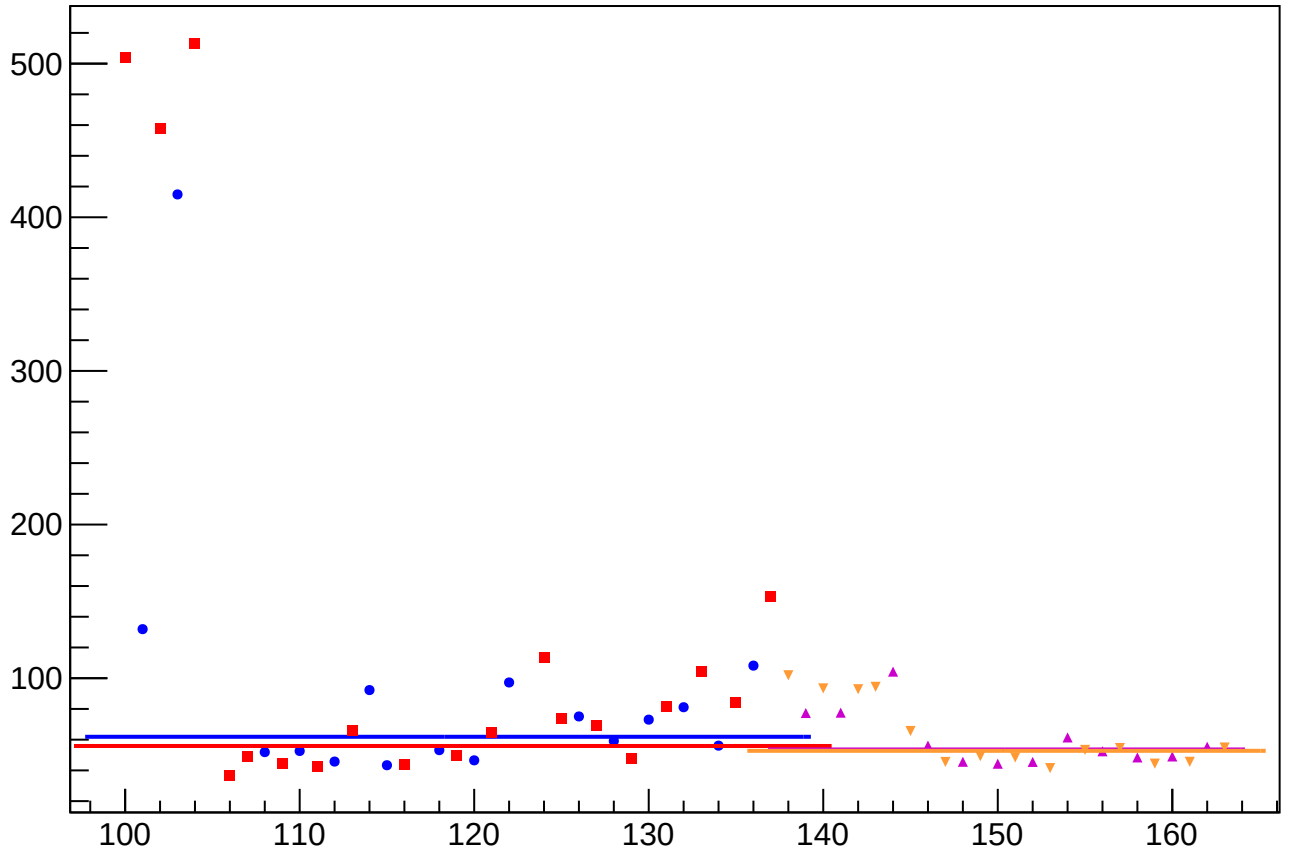
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.010+/-0.018 χ^2/NDF:10.6/11

+ sign -0.015+/-0.015 χ^2/NDF: 27.1/29

All: -0.005+/-0.010 χ^2/NDF: 65.0/60

- sign 0.005+/-0.015 χ^2/NDF: 37.0/30



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363450.9/13

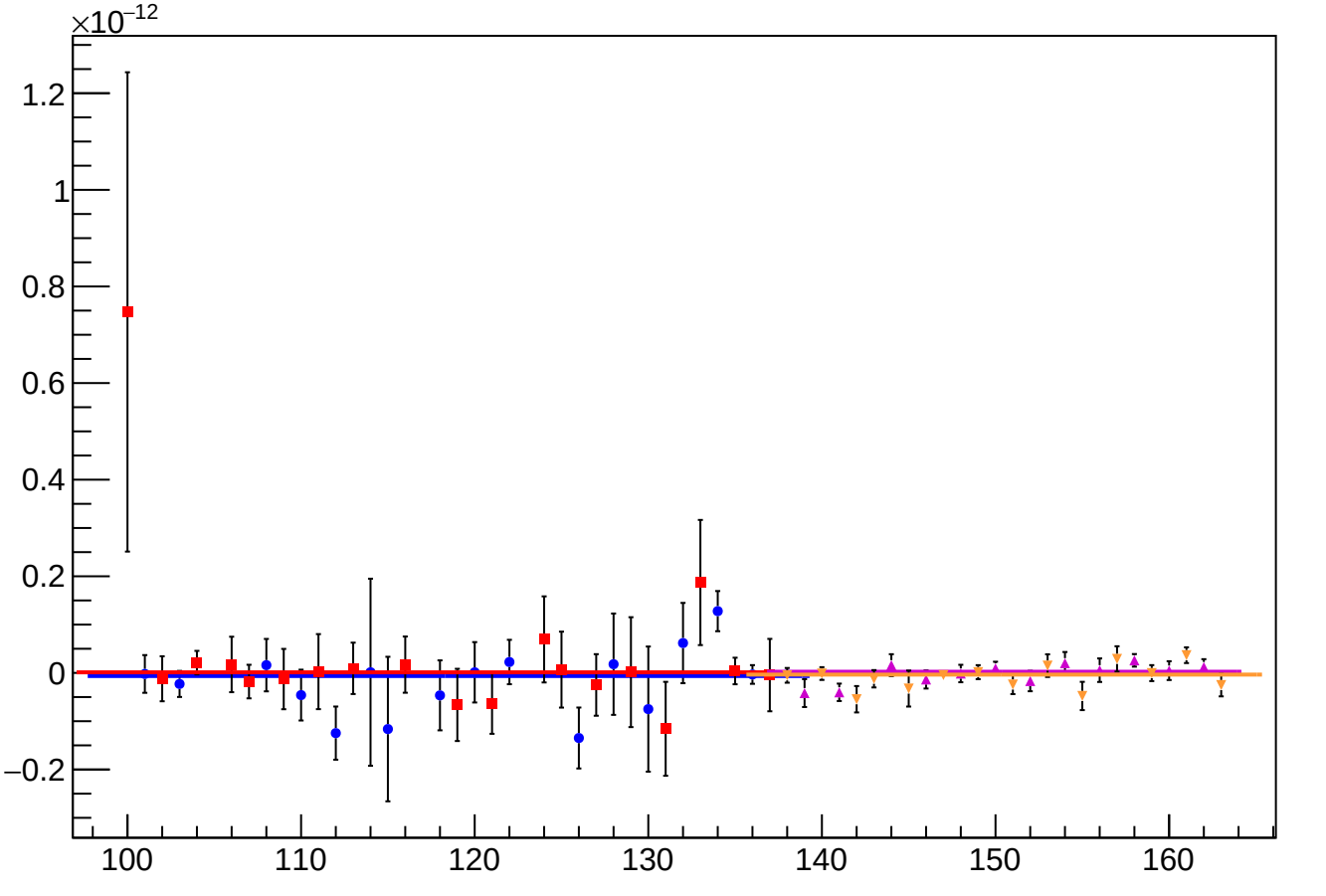
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.630+/-0.013 χ^2/NDF:931525.5/11

+ sign 55.491+/-0.010 χ^2/NDF: 3466685.9/29

All: 54.953+/-0.007 χ^2/NDF: 7005851.7/60

- sign 54.418+/-0.010 χ^2/NDF: 3533725.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/13

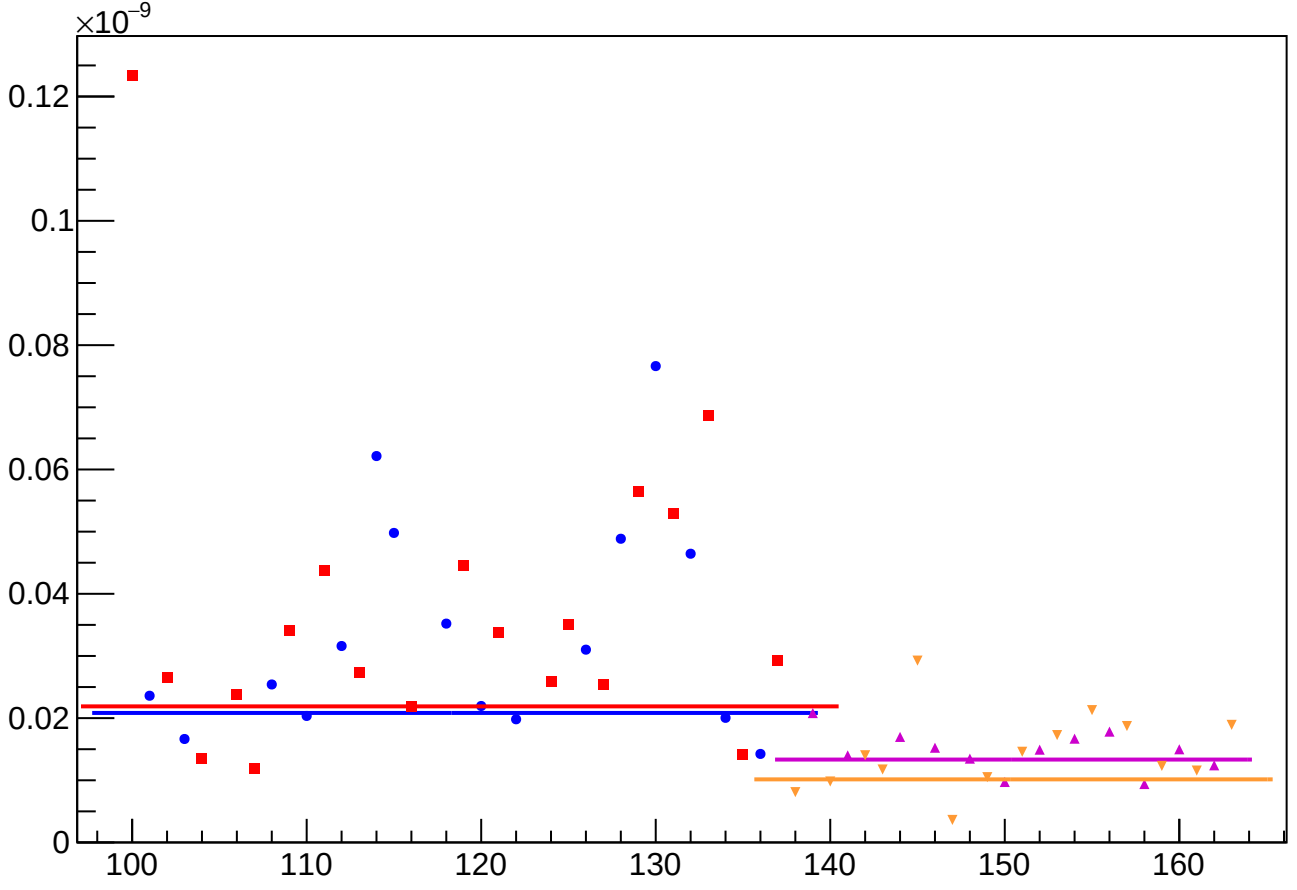
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/11

\+ sign -0.000+/-0.000 χ^2/NDF: 39.7/29

All: -0.000+/-0.000 χ^2/NDF: 64.7/60

\- sign 0.000+/-0.000 χ^2/NDF: 24.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2963984.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

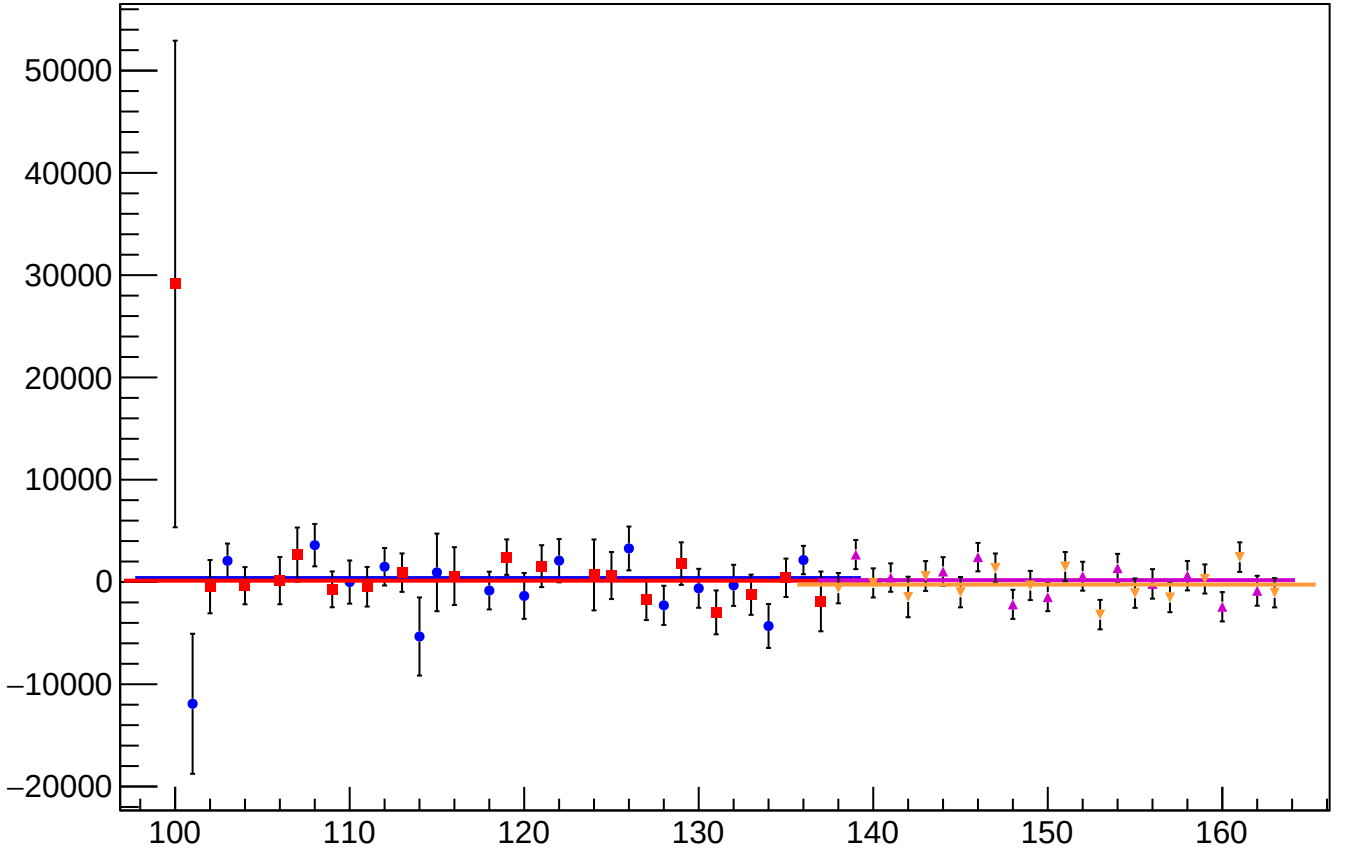
Left In: 0.000+/-0.000 χ^2/NDF:672169.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 5900416.2/29

All: 0.000+/-0.000 χ^2/NDF: 9836510.3/60

- sign 0.000+/-0.000 χ^2/NDF: 3441465.5/30

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.774+/-392.124 χ^2/NDF:13.0/13

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

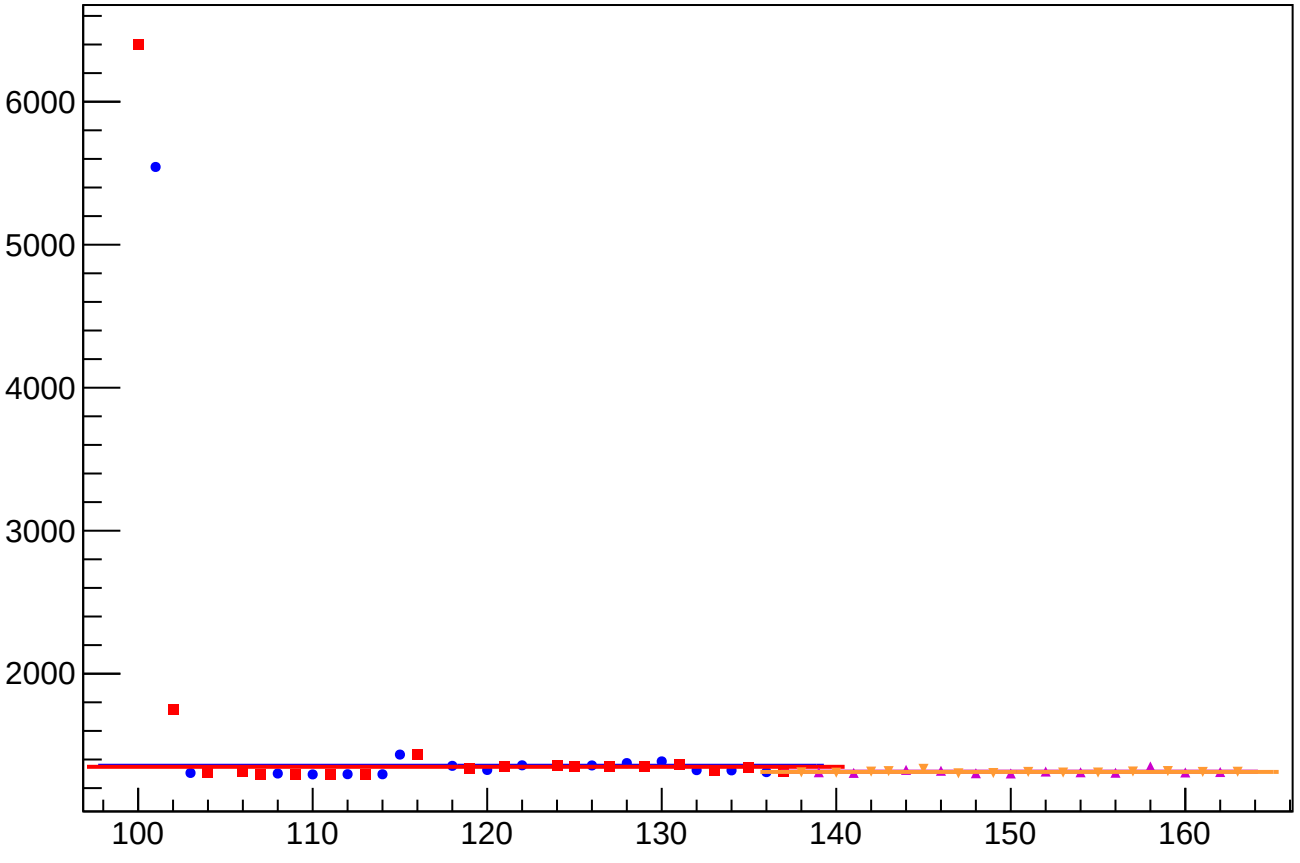
Left In: 177.853+/-408.524 χ^2/NDF:15.1/11

+ sign -22.902+/-312.600 χ^2/NDF: 35.5/29

All: 66.355+/-222.444 χ^2/NDF: 60.7/60

- sign 157.915+/-316.606 χ^2/NDF: 25.0/30

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

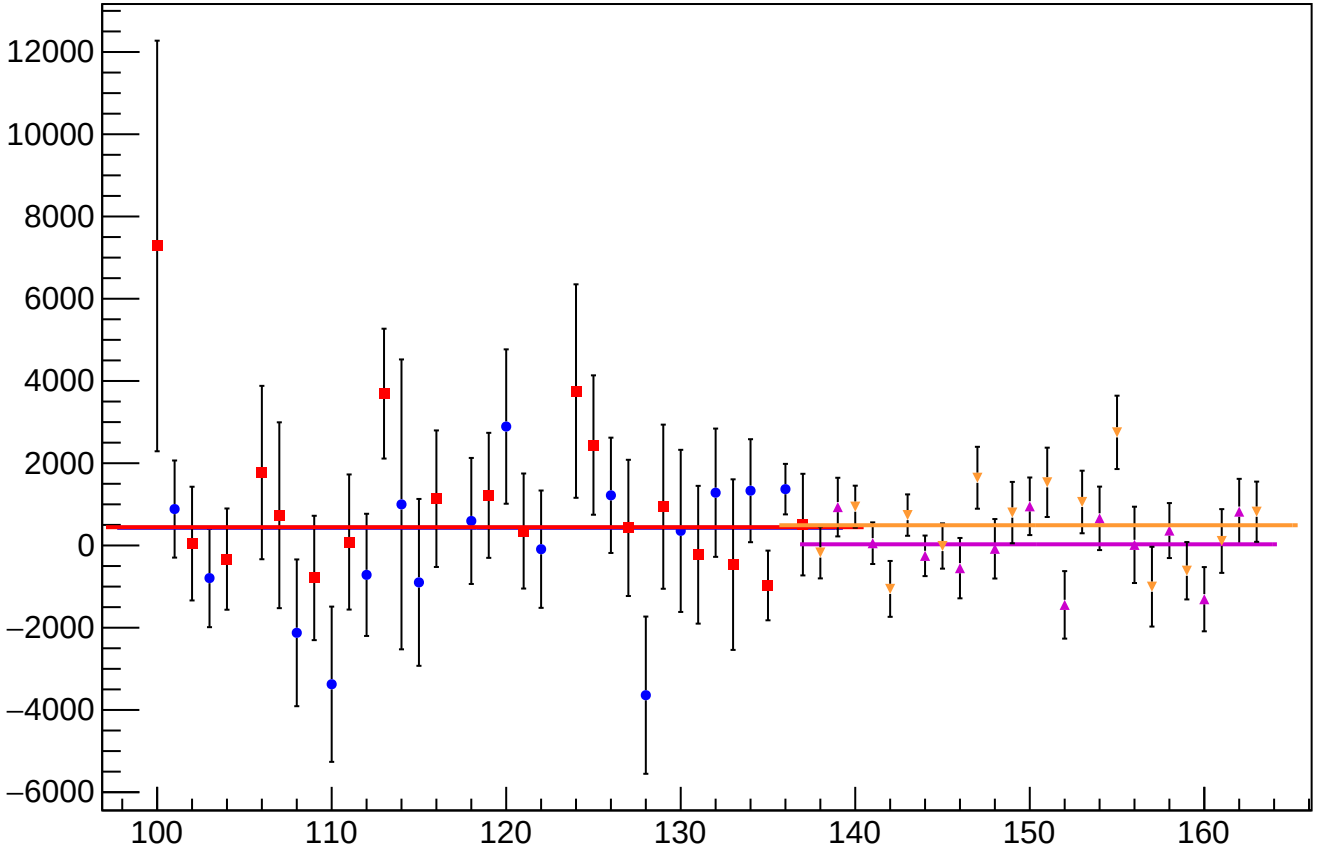
Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.9/29

All: 1328.803+/-0.157 χ^2/NDF: 924525.5/60

- sign 1328.632+/-0.224 χ^2/NDF: 154707.4/30

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 492.035+/-181.440 χ^2/NDF:24.5/13

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

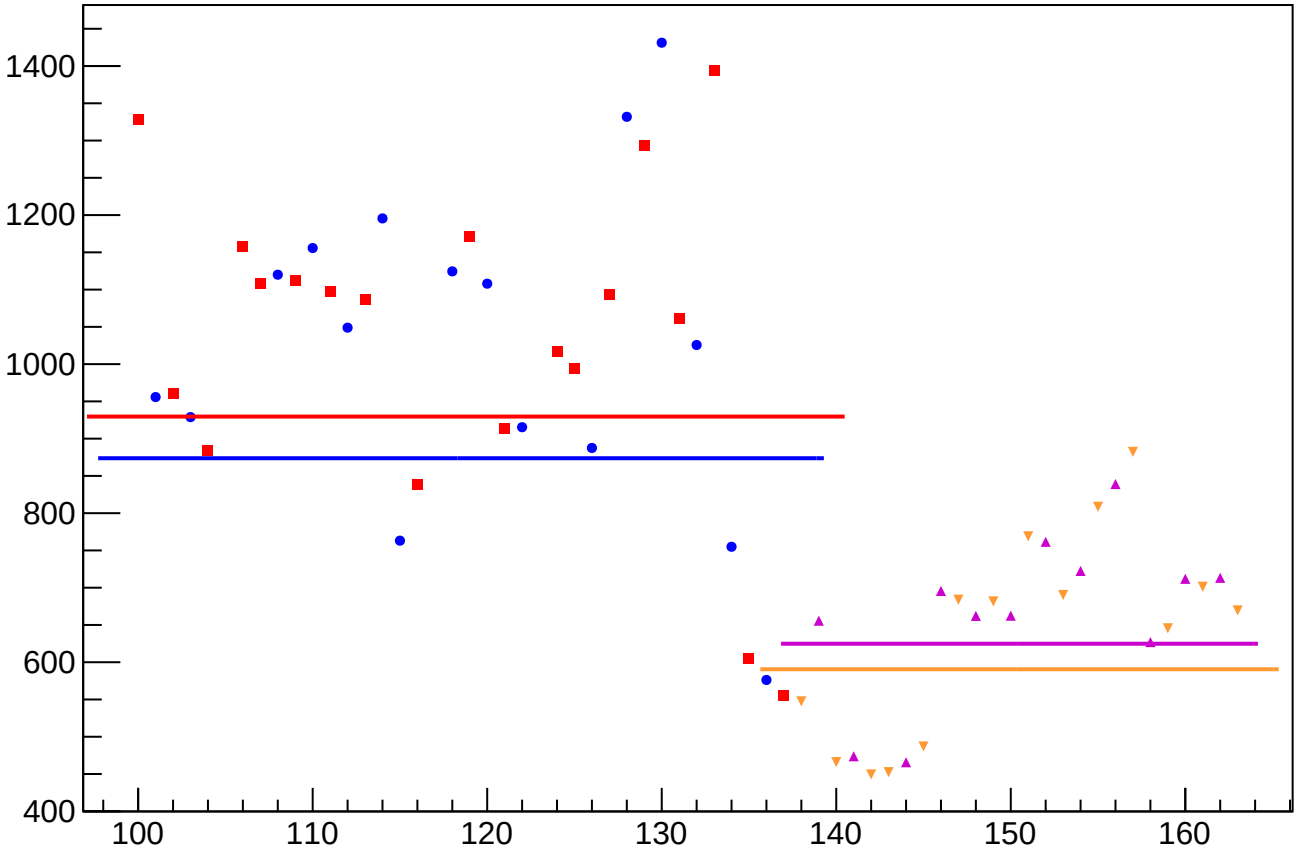
Left In: 28.421+/-197.775 χ^2/NDF:12.4/11

+ sign 478.268+/-159.911 χ^2/NDF: 42.8/29

All: 316.140+/-117.379 χ^2/NDF: 72.8/60

- sign 126.735+/-172.841 χ^2/NDF: 27.8/30

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 590.551+/-0.128 χ^2/NDF:997800.8/13

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

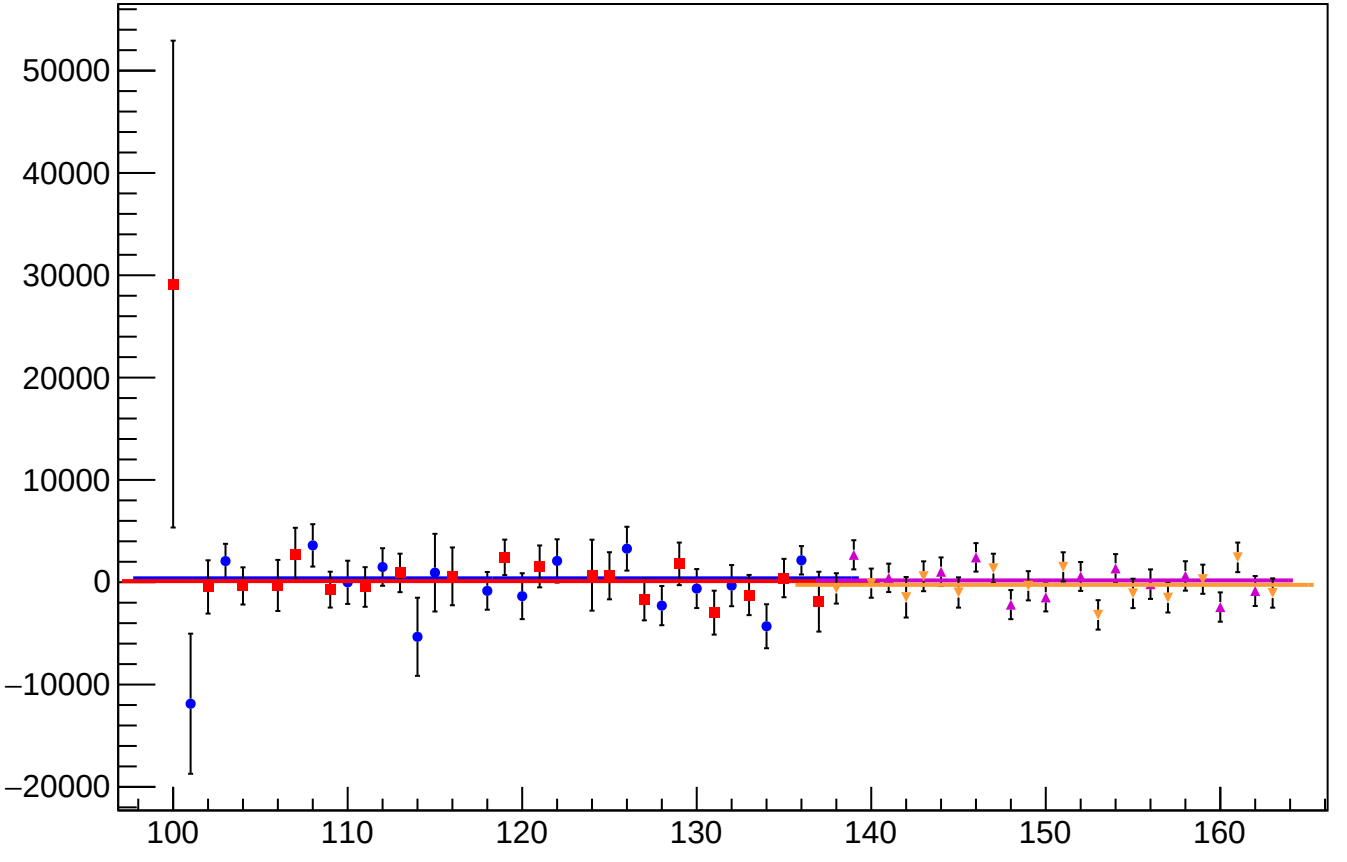
Left In: 624.813+/-0.140 χ^2/NDF:663432.5/11

\+ sign 653.765+/-0.113 χ^2/NDF: 3100193.4/29

All: 673.626+/-0.083 χ^2/NDF: 5812905.1/60

\- sign 696.829+/-0.122 χ^2/NDF: 2645814.2/30

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

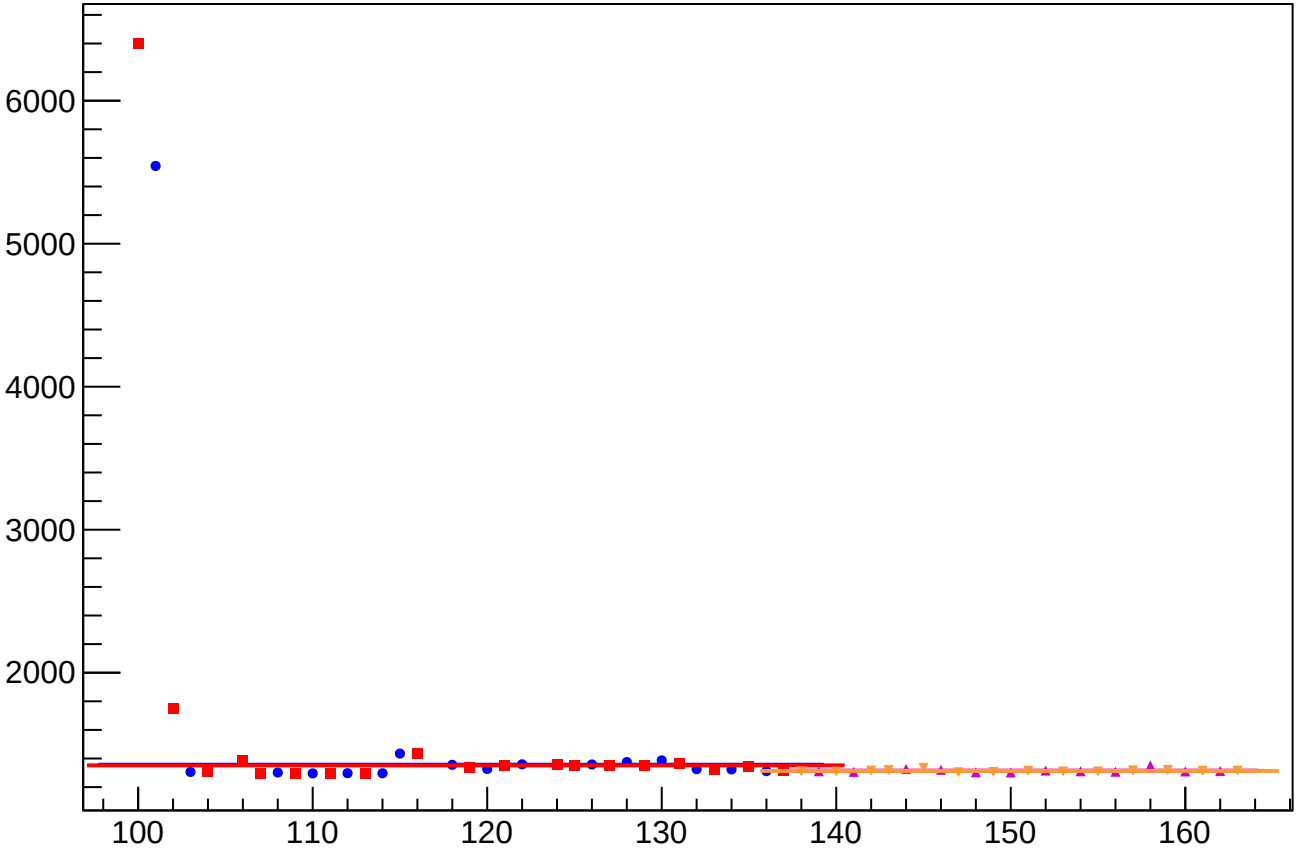
Left In: 177.895+/-408.524 χ^2/NDF:15.1/11

+ sign -22.836+/-312.600 χ^2/NDF: 35.4/29

All: 62.858+/-222.593 χ^2/NDF: 60.7/60

- sign 151.002+/-317.036 χ^2/NDF: 25.1/30

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

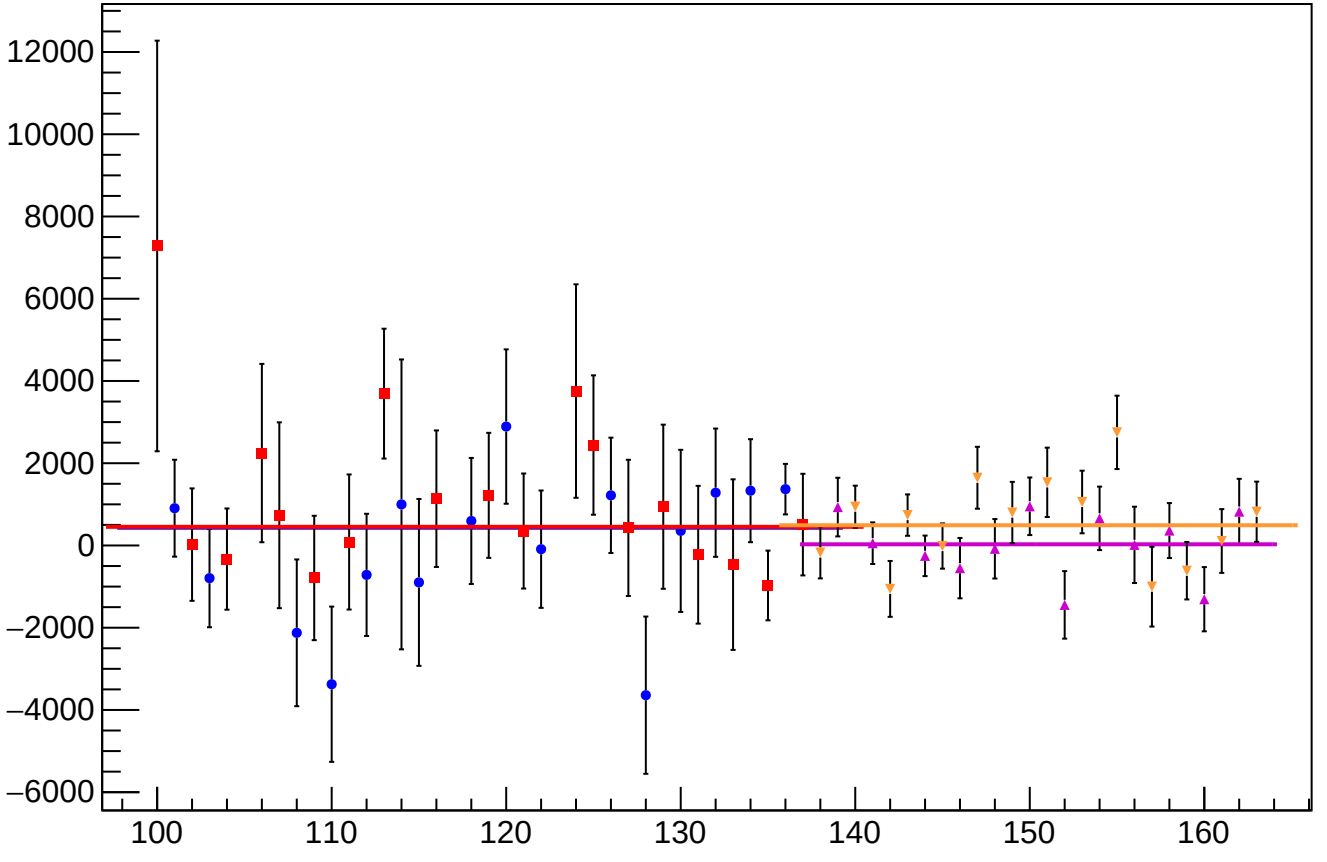
Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.0/29

All: 1329.386+/-0.157 χ^2/NDF: 925618.8/60

- sign 1329.813+/-0.224 χ^2/NDF: 155795.7/30

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

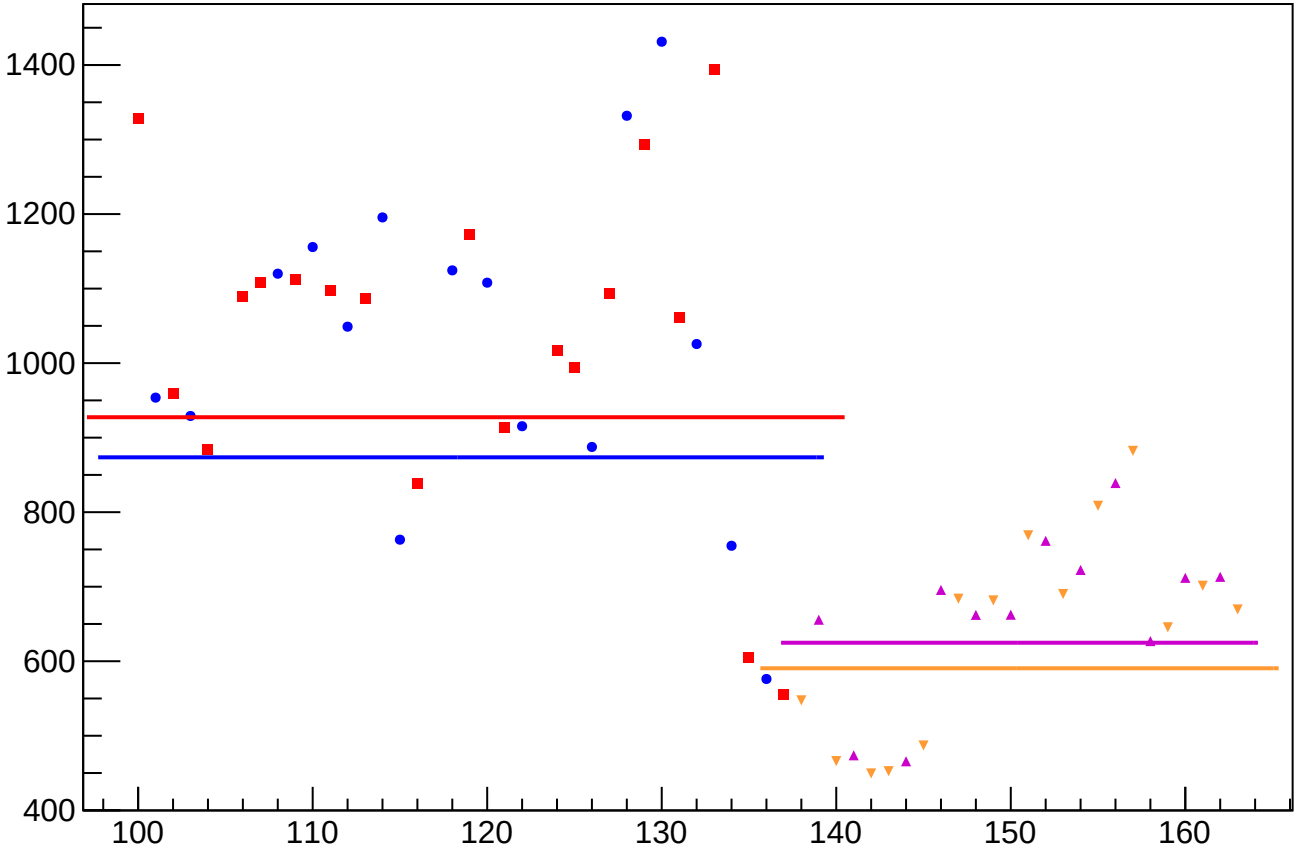
Left In: 28.398+/-197.773 χ^2/NDF:12.4/11

+ sign 478.601+/-159.905 χ^2/NDF: 42.8/29

All: 317.240+/-117.377 χ^2/NDF: 73.2/60

- sign 128.718+/-172.840 χ^2/NDF: 28.2/30

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

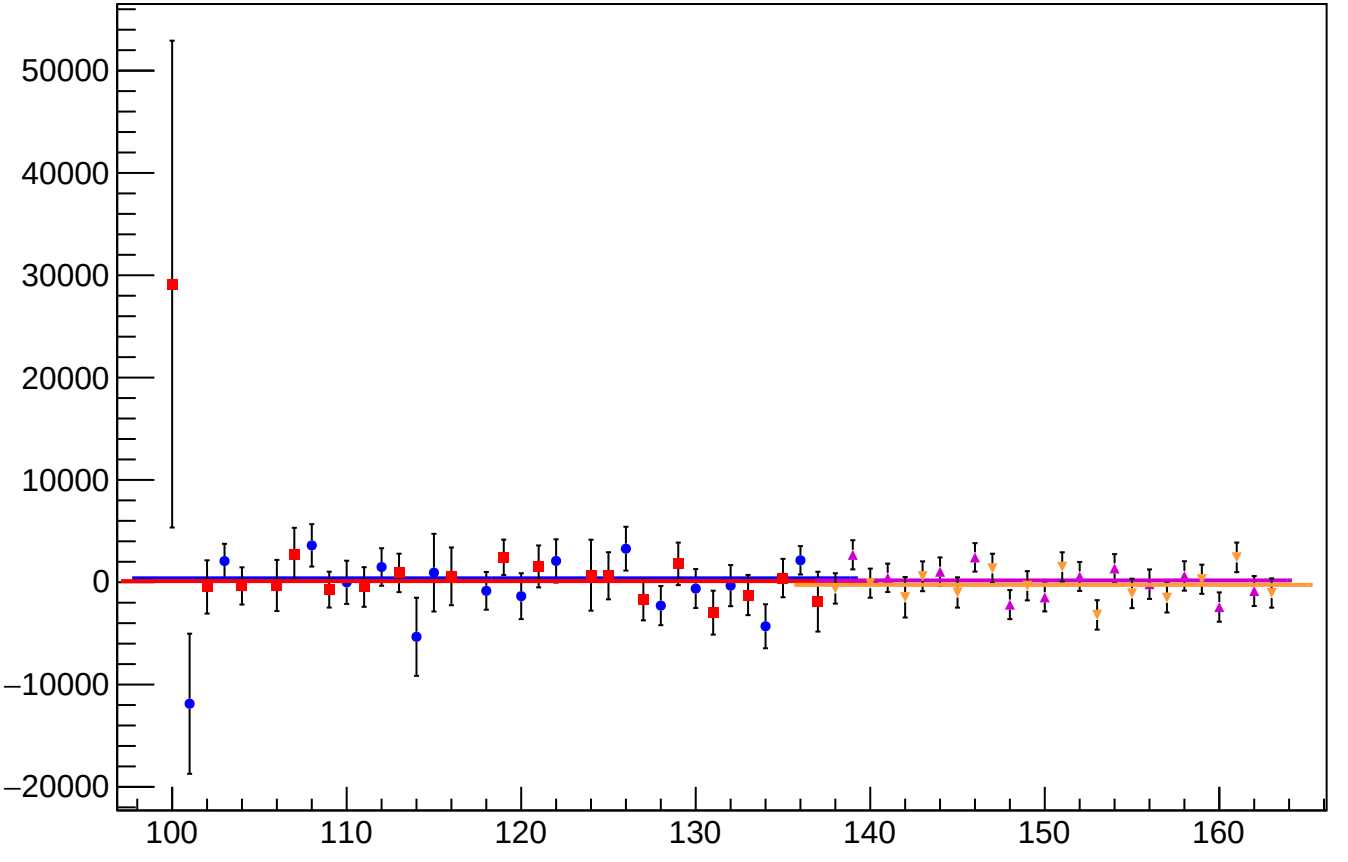
Left In: 624.806+/-0.140 χ^2/NDF:663493.0/11

+ sign 653.754+/-0.113 χ^2/NDF: 3098980.4/29

All: 673.373+/-0.083 χ^2/NDF: 5781258.9/60

- sign 696.295+/-0.122 χ^2/NDF: 2616996.0/30

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

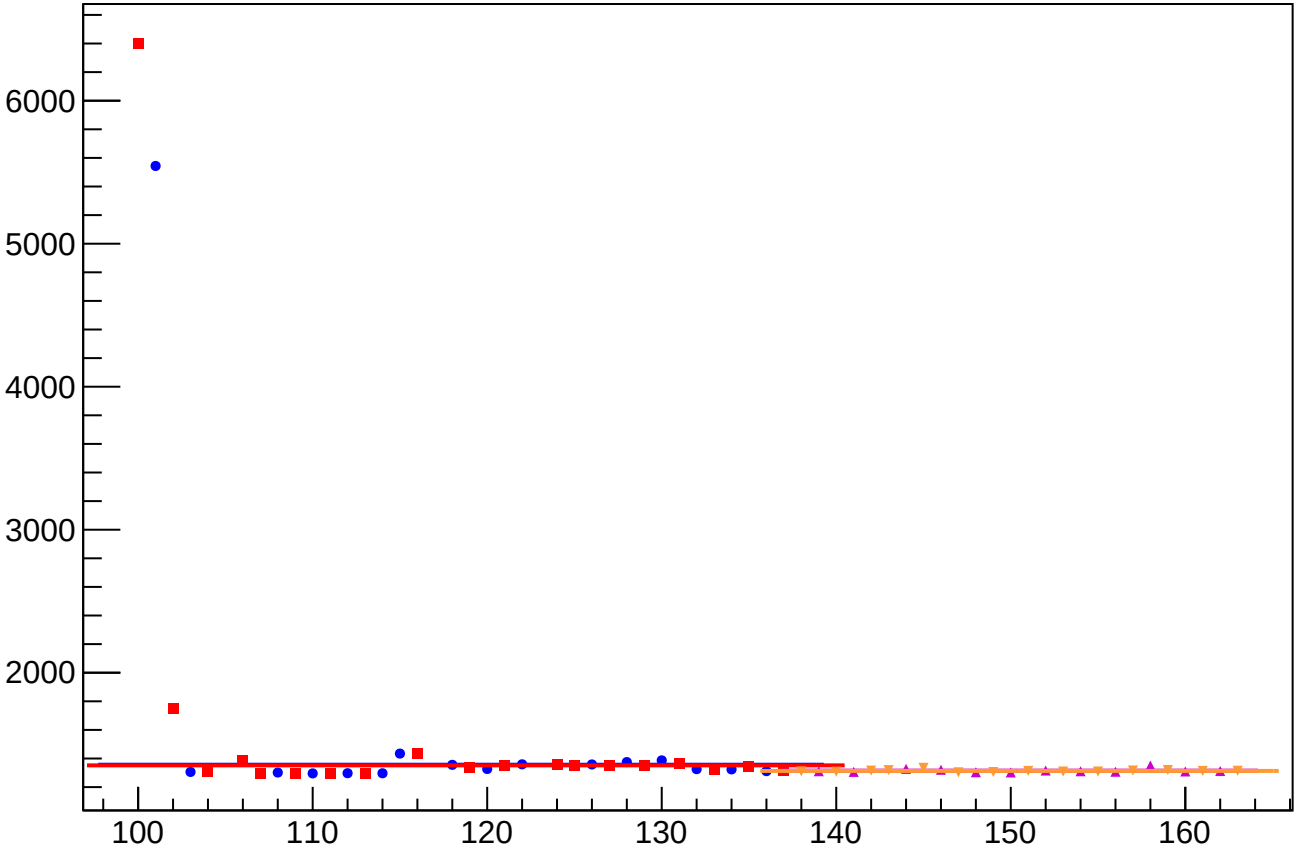
Left In: 177.895+/-408.524 χ^2/NDF:15.1/11

+ sign -22.836+/-312.600 χ^2/NDF: 35.4/29

All: 62.858+/-222.593 χ^2/NDF: 60.7/60

- sign 151.002+/-317.036 χ^2/NDF: 25.1/30

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

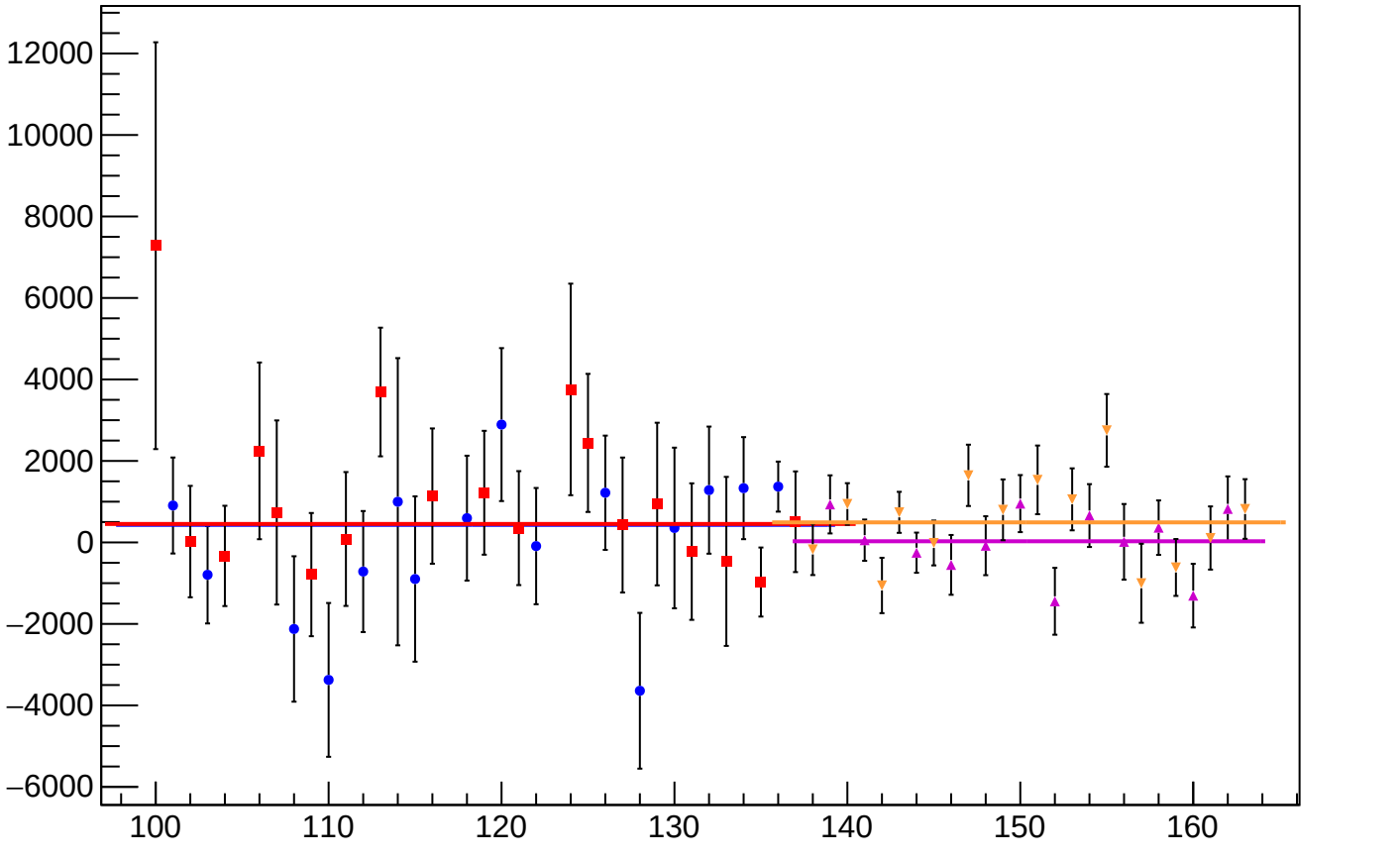
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

+ sign 1328.971+/-0.221 χ^2/NDF: 769816.0/29

All: 1329.386+/-0.157 χ^2/NDF: 925618.8/60

- sign 1329.813+/-0.224 χ^2/NDF: 155795.7/30



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

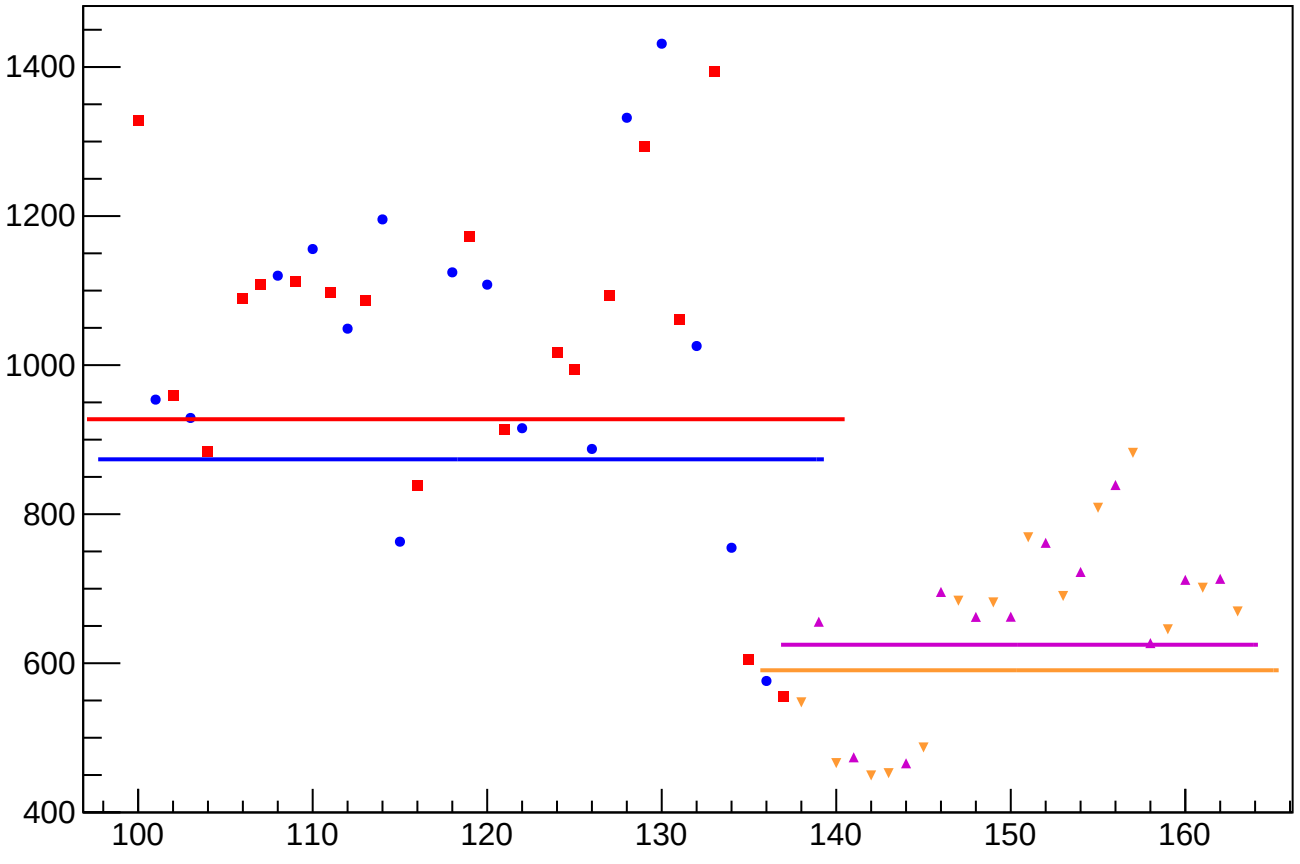
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 28.398+/-197.773 χ^2/NDF:12.4/11

+ sign 478.601+/-159.905 χ^2/NDF: 42.8/29

All: 317.240+/-117.377 χ^2/NDF: 73.2/60

- sign 128.718+/-172.840 χ^2/NDF: 28.2/30



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

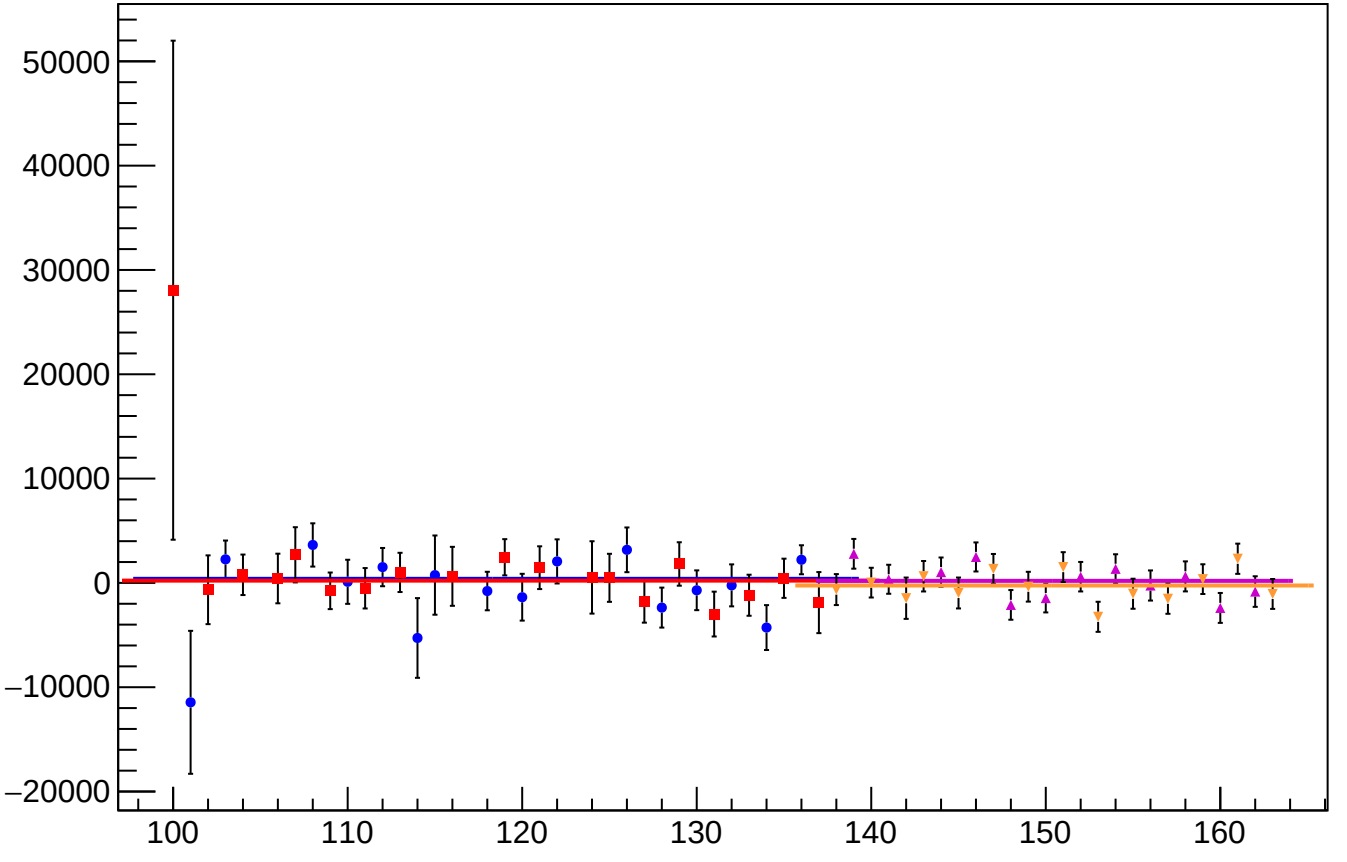
Left In: 624.806+/-0.140 χ^2/NDF:663493.0/11

+ sign 653.754+/-0.113 χ^2/NDF: 3098980.4/29

All: 673.373+/-0.083 χ^2/NDF: 5781258.9/60

- sign 696.295+/-0.122 χ^2/NDF: 2616996.0/30

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.253+/-392.427 χ^2/NDF:12.9/13

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

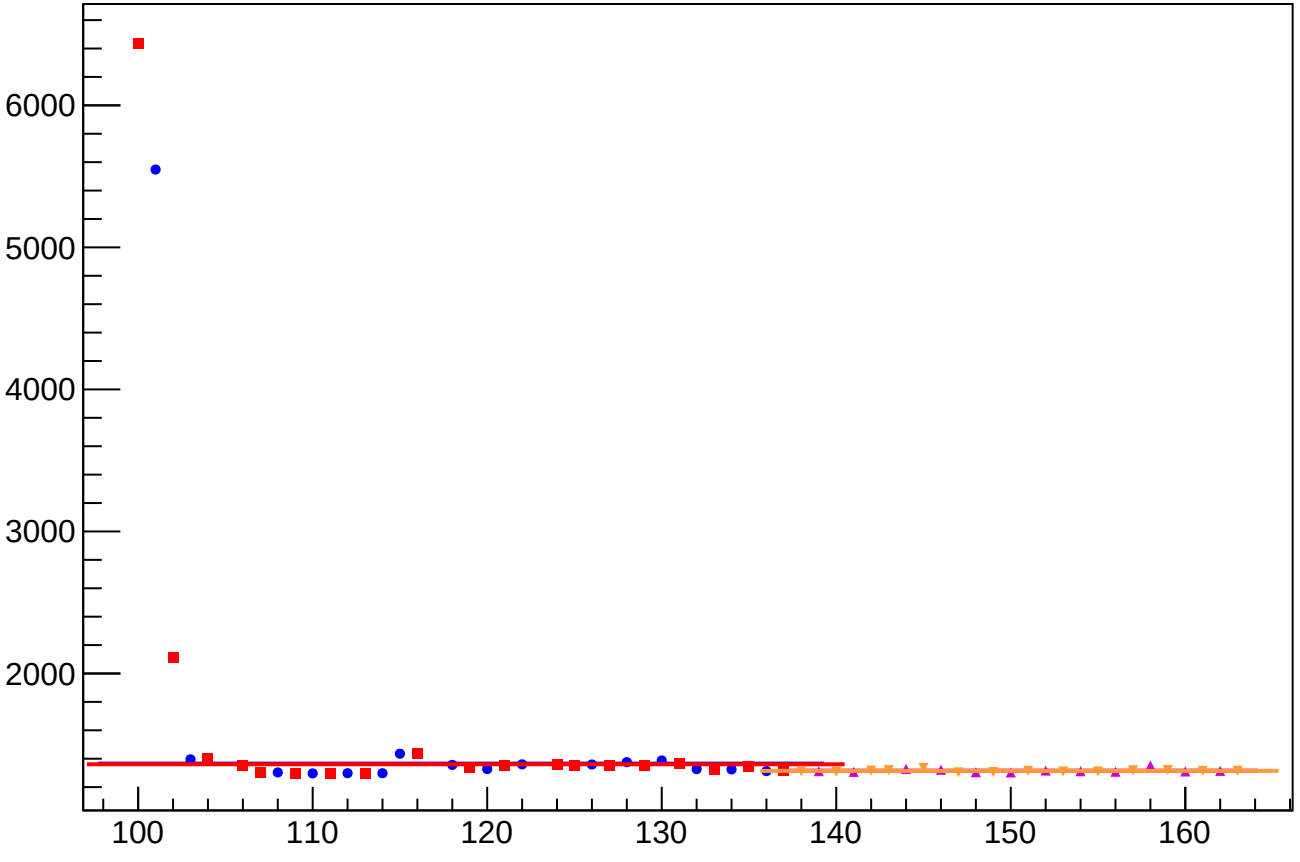
Left In: 195.942+/-408.815 χ^2/NDF:15.2/11

+ sign -17.330+/-313.491 χ^2/NDF: 35.2/29

All: 91.928+/-223.412 χ^2/NDF: 60.6/60

- sign 204.686+/-318.473 χ^2/NDF: 25.1/30

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

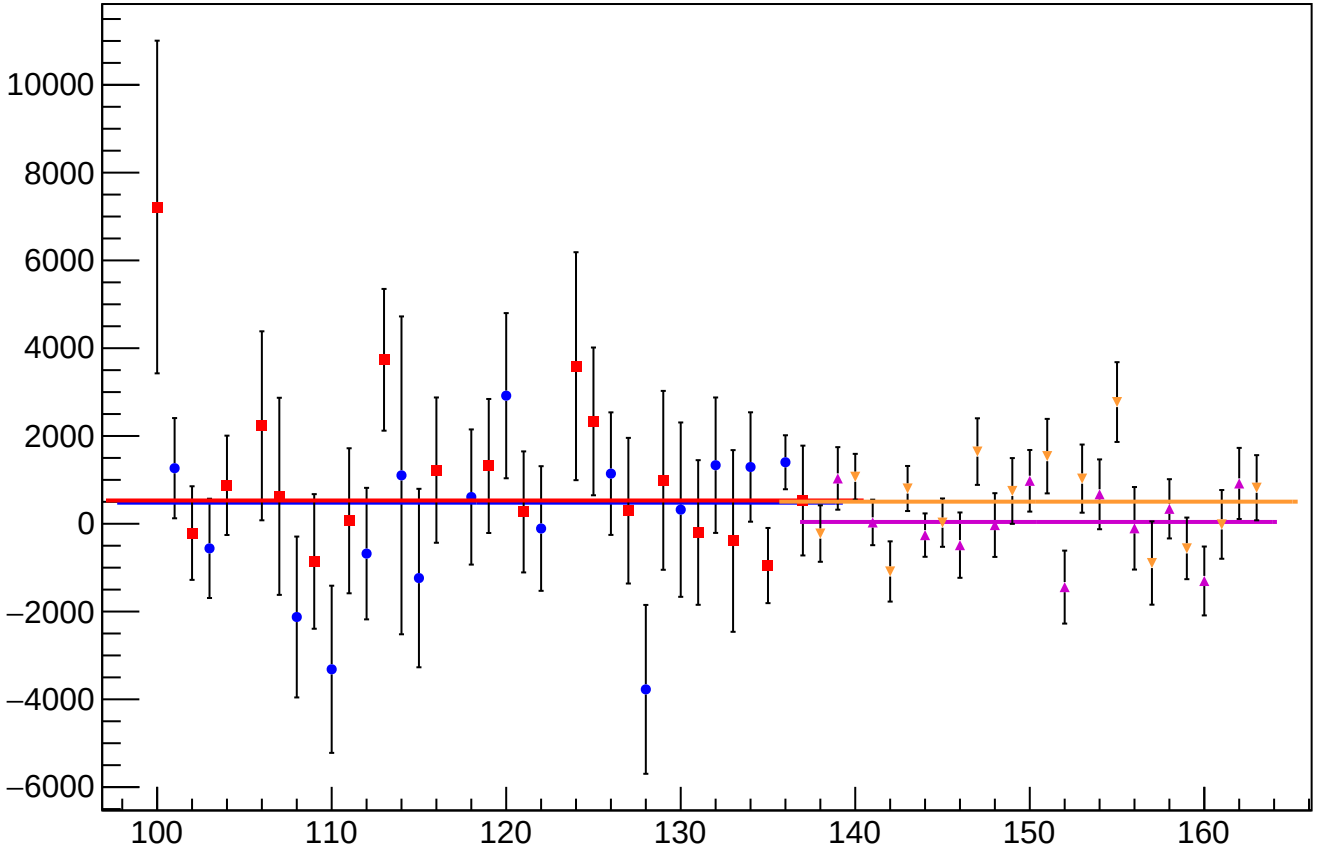
Left In: 1316.042+/-0.289 χ^2/NDF:1949.5/11

+ sign 1332.726+/-0.222 χ^2/NDF: 771908.8/29

All: 1333.169+/-0.158 χ^2/NDF: 988593.8/60

- sign 1333.626+/-0.225 χ^2/NDF: 216676.8/30

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 503.641+/-183.607 χ^2/NDF:24.6/13

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

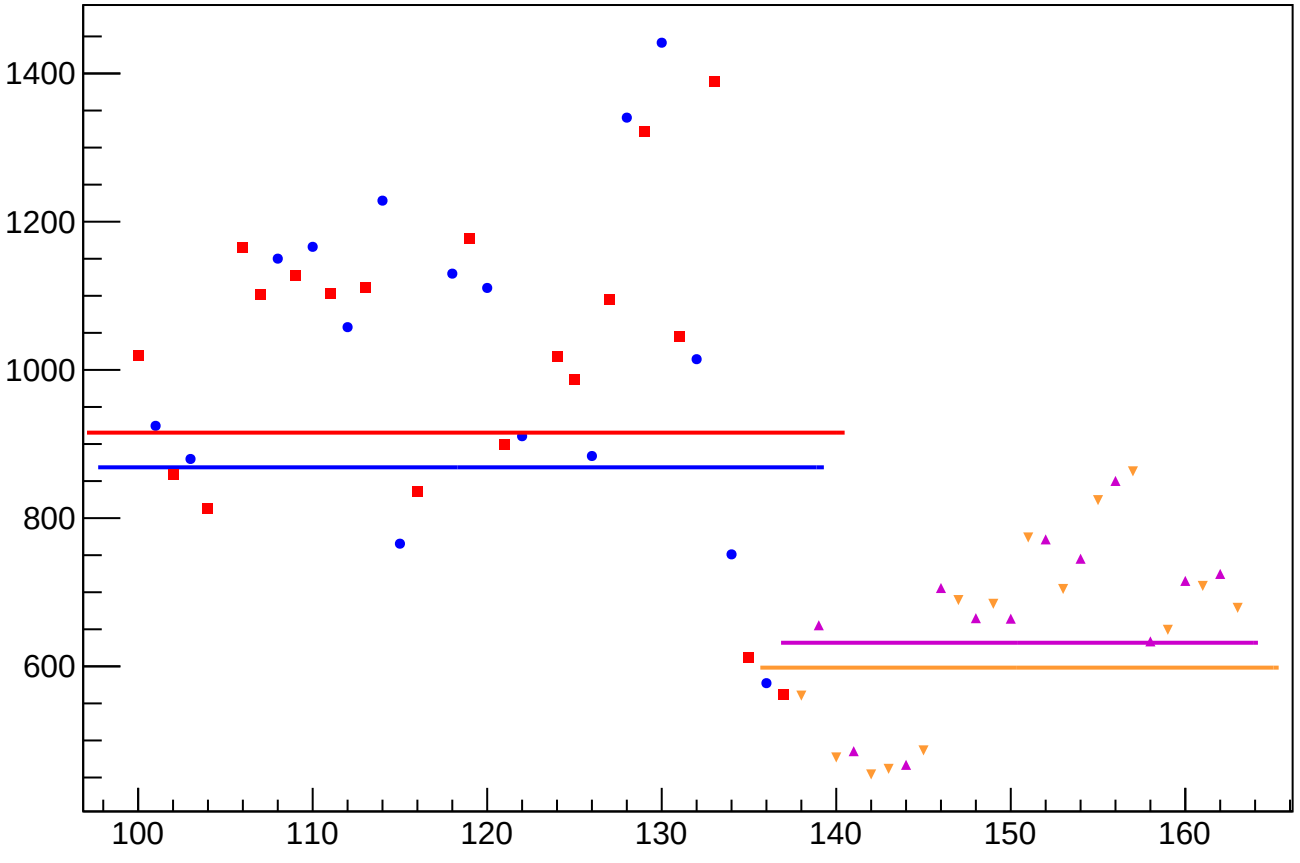
Left In: 41.144+/-199.952 χ^2/NDF:12.7/11

\+ sign 498.310+/-161.177 χ^2/NDF: 43.2/29

All: 342.917+/-117.971 χ^2/NDF: 75.0/60

\- sign 163.609+/-173.136 χ^2/NDF: 29.9/30

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 598.273+/-0.130 χ^2/NDF:958231.6/13

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

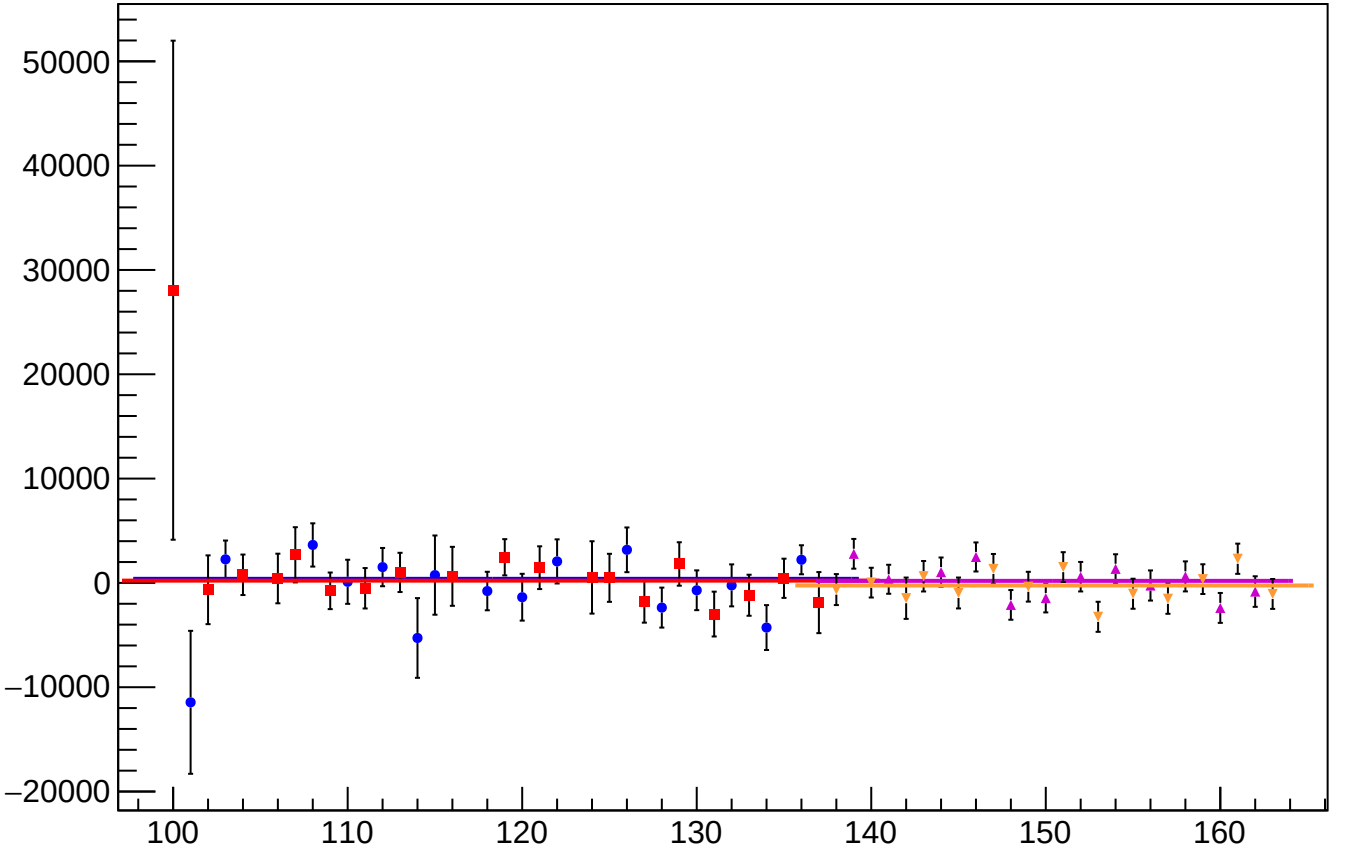
Left In: 631.844+/-0.141 χ^2/NDF:665412.8/11

+ sign 660.278+/-0.114 χ^2/NDF: 2973893.4/29

All: 680.016+/-0.083 χ^2/NDF: 5569031.4/60

- sign 702.791+/-0.122 χ^2/NDF: 2530536.9/30

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.255+/-392.427 χ^2/NDF:12.9/13

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

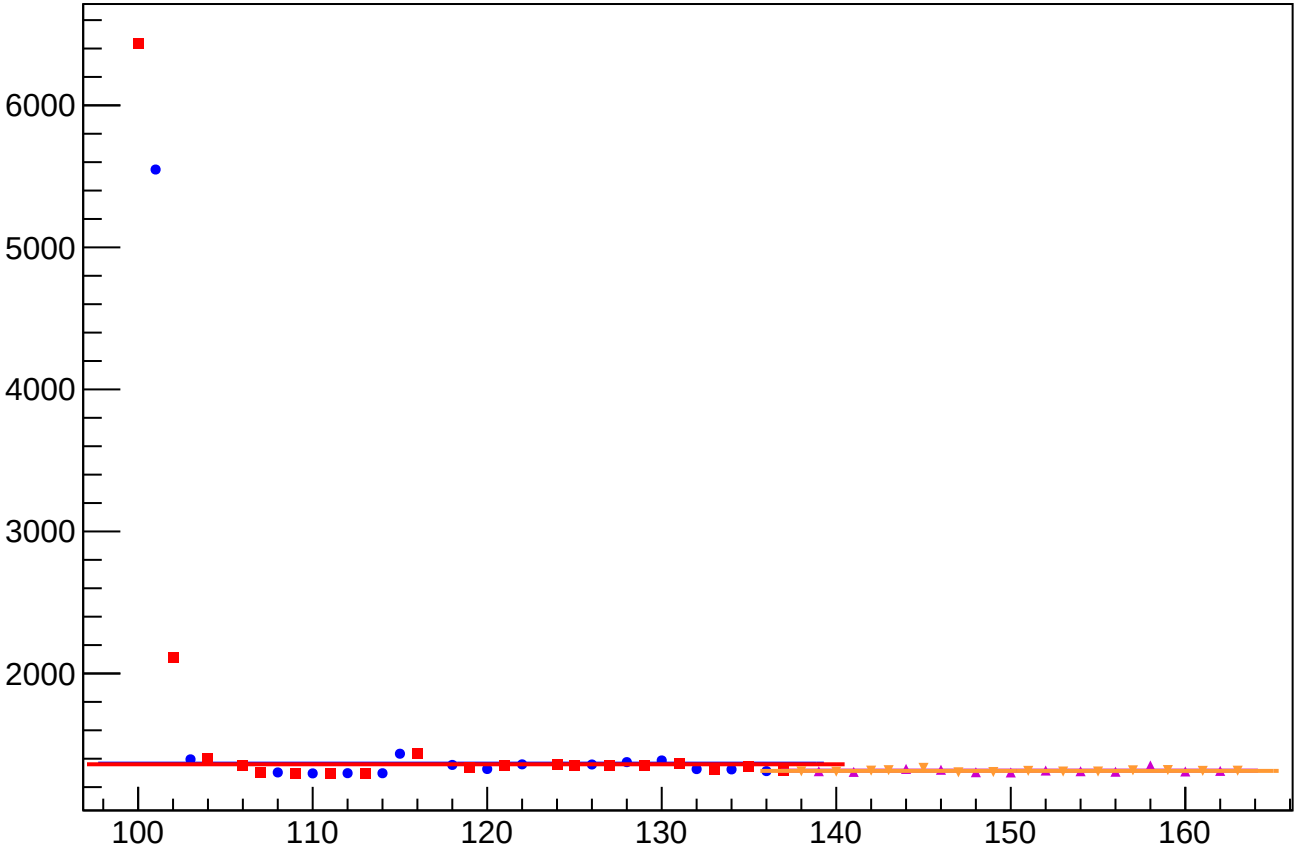
Left In: 195.942+/-408.815 χ^2/NDF:15.2/11

+ sign -17.331+/-313.491 χ^2/NDF: 35.2/29

All: 91.927+/-223.412 χ^2/NDF: 60.6/60

- sign 204.685+/-318.473 χ^2/NDF: 25.1/30

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

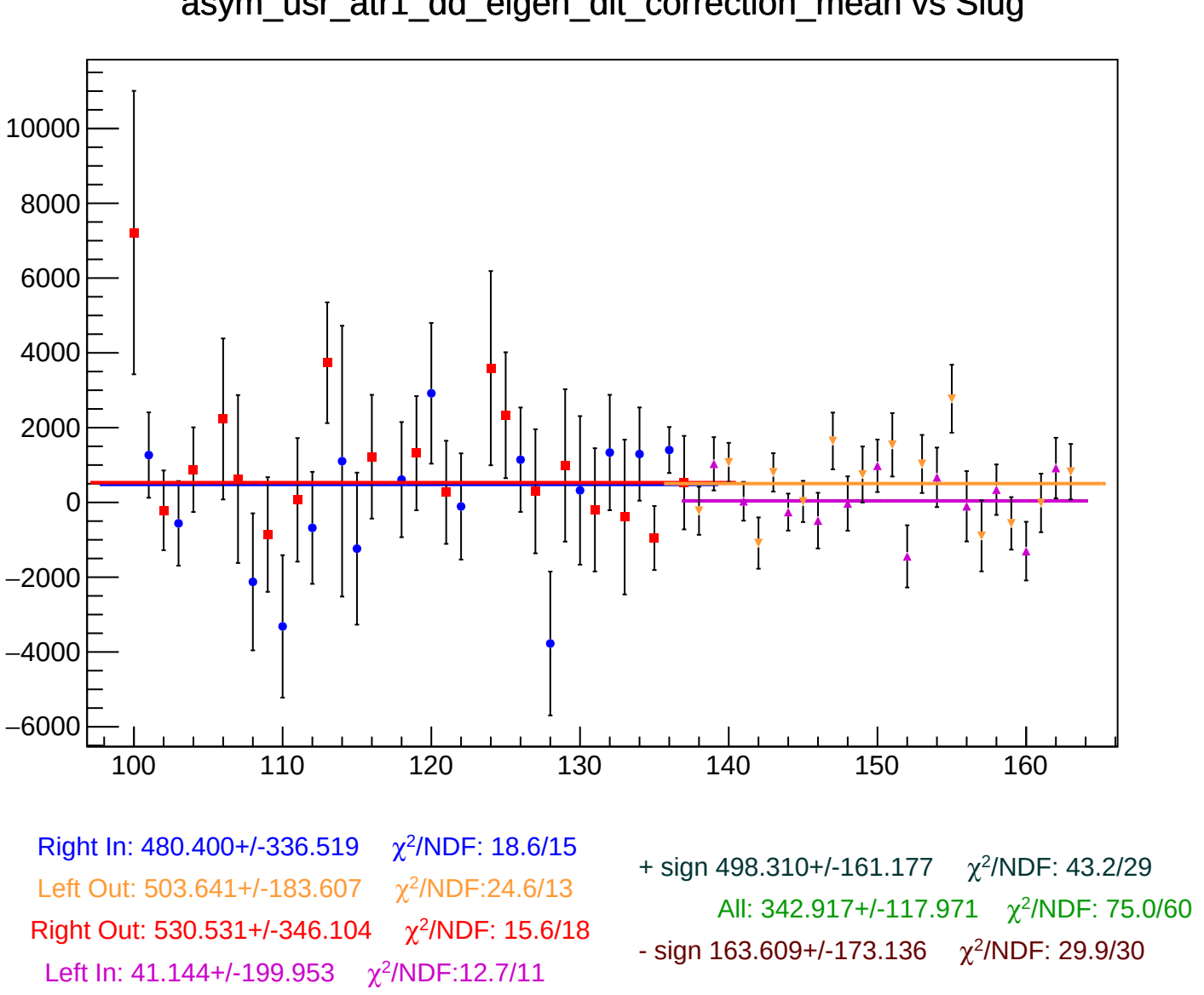
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.042+/-0.289 χ^2/NDF:1949.5/11

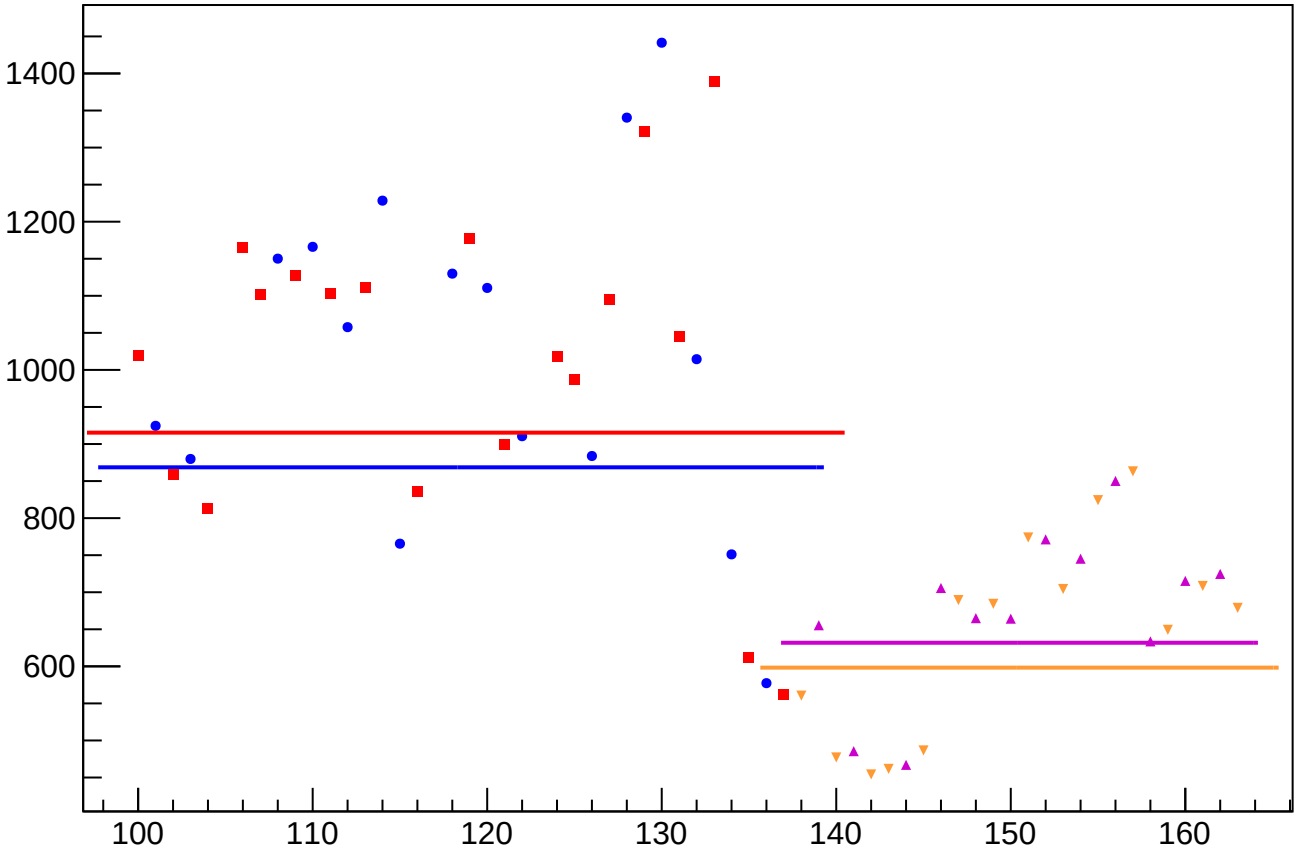
+ sign 1332.726+/-0.222 χ^2/NDF: 771908.8/29

All: 1333.169+/-0.158 χ^2/NDF: 988593.7/60

- sign 1333.626+/-0.225 χ^2/NDF: 216676.8/30


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 503.641+/-183.607 χ²/NDF:24.6/13
Right Out: 530.531+/-346.104 χ²/NDF: 15.6/18
Left In: 41.144+/-199.953 χ²/NDF:12.7/11
+ sign 498.310+/-161.177 χ²/NDF: 43.2/29
All: 342.917+/-117.971 χ²/NDF: 75.0/60
- sign 163.609+/-173.136 χ²/NDF: 29.9/30

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 598.273+/-0.130 χ^2/NDF:958246.0/13

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

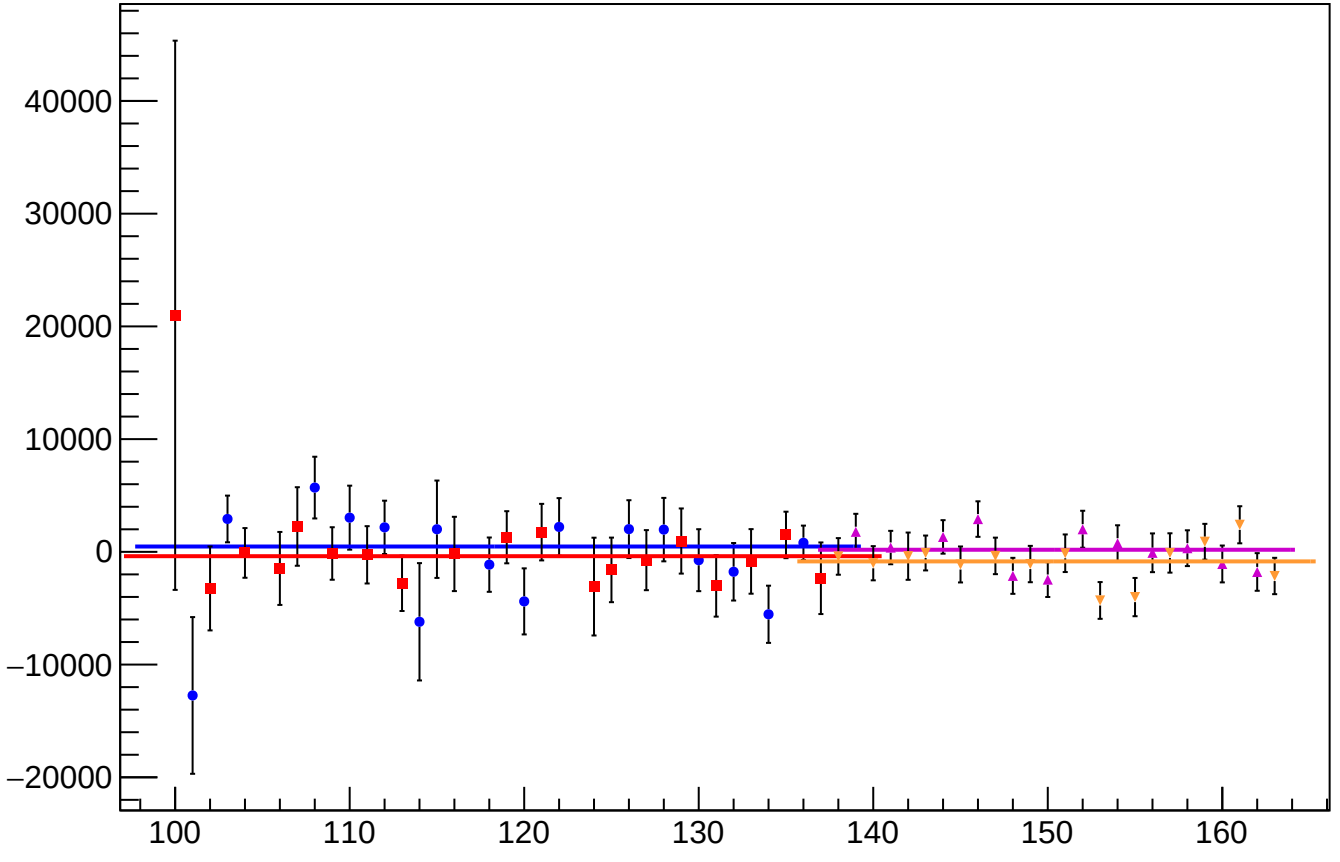
Left In: 631.845+/-0.141 χ^2/NDF:665420.1/11

+ sign 660.278+/-0.114 χ^2/NDF: 2973891.9/29

All: 680.016+/-0.083 χ^2/NDF: 5569021.2/60

- sign 702.792+/-0.122 χ^2/NDF: 2530525.5/30

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -846.524+/-439.383 χ^2/NDF:14.6/13

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

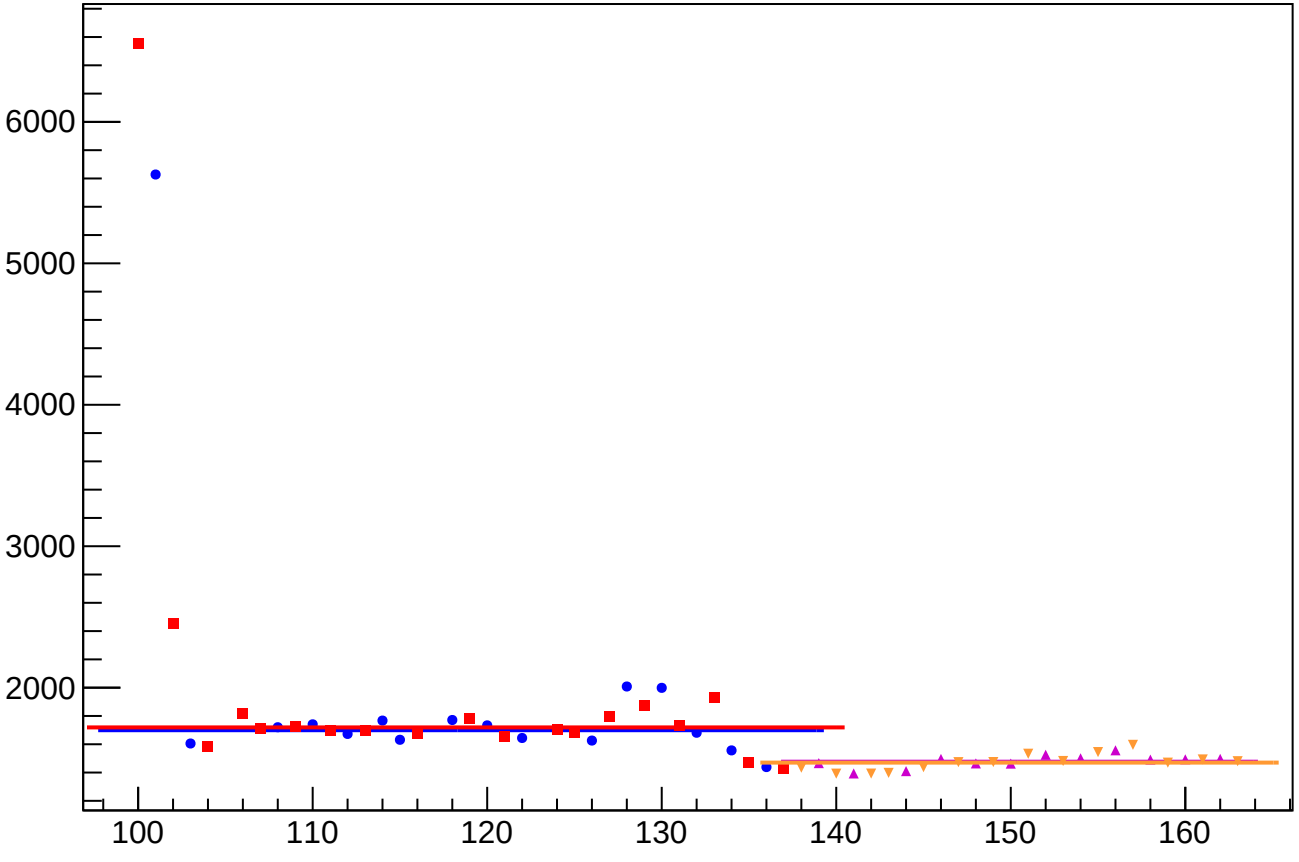
Left In: 185.913+/-458.949 χ^2/NDF:13.0/11

+ sign -431.863+/-363.885 χ^2/NDF: 40.1/29

All: -224.939+/-260.590 χ^2/NDF: 61.6/60

- sign -7.102+/-373.357 χ^2/NDF: 20.8/30

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.274+/-0.311 χ^2/NDF:31819.7/13

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

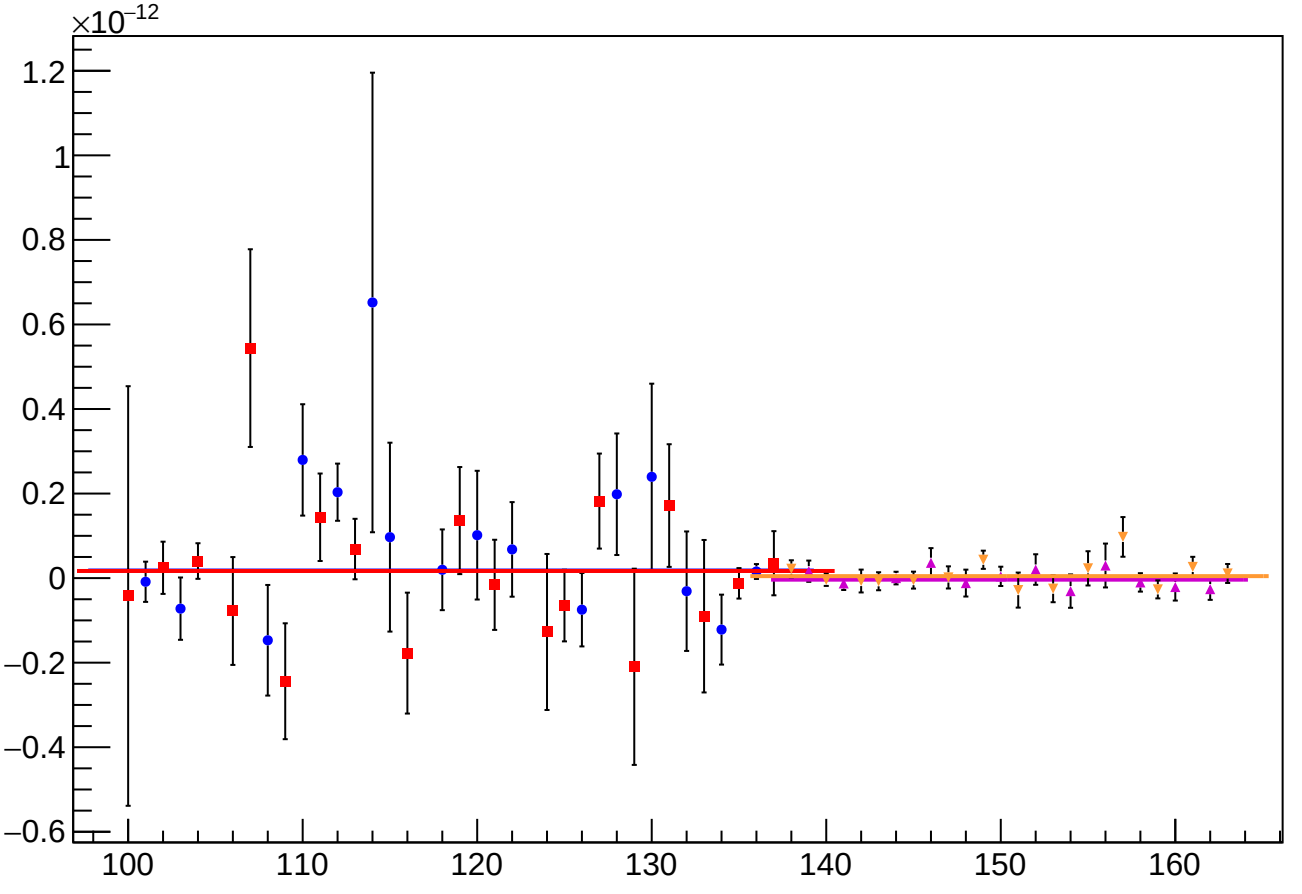
Left In: 1476.702+/-0.325 χ^2/NDF:18274.6/11

+ sign 1542.228+/-0.257 χ^2/NDF: 964658.5/29

All: 1550.245+/-0.184 χ^2/NDF: 1407370.7/60

- sign 1558.685+/-0.264 χ^2/NDF: 440719.4/30

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:13.8/13

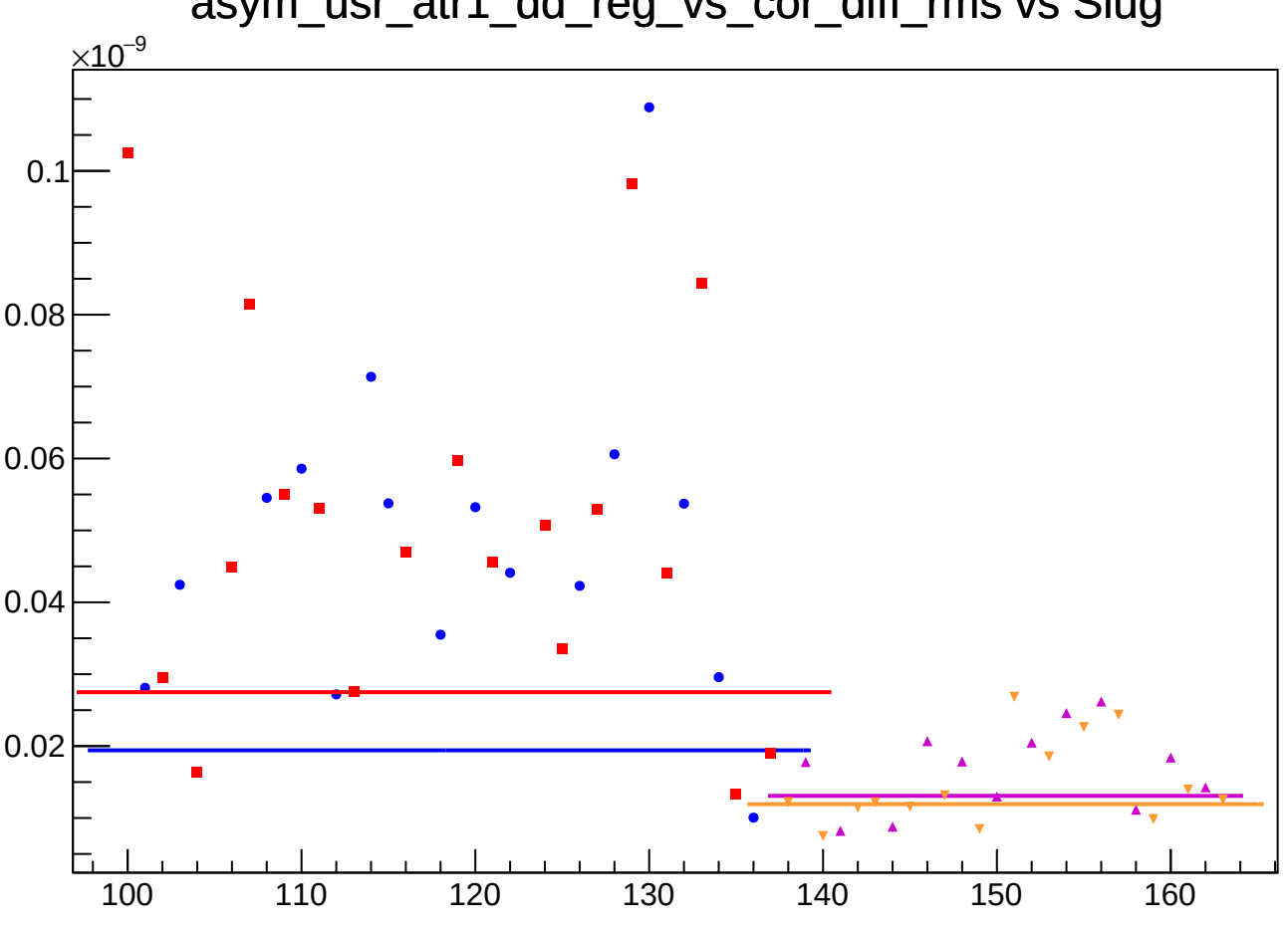
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/29

All: 0.000+/-0.000 χ^2/NDF: 66.2/60

- sign -0.000+/-0.000 χ^2/NDF: 27.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:910509.2/13

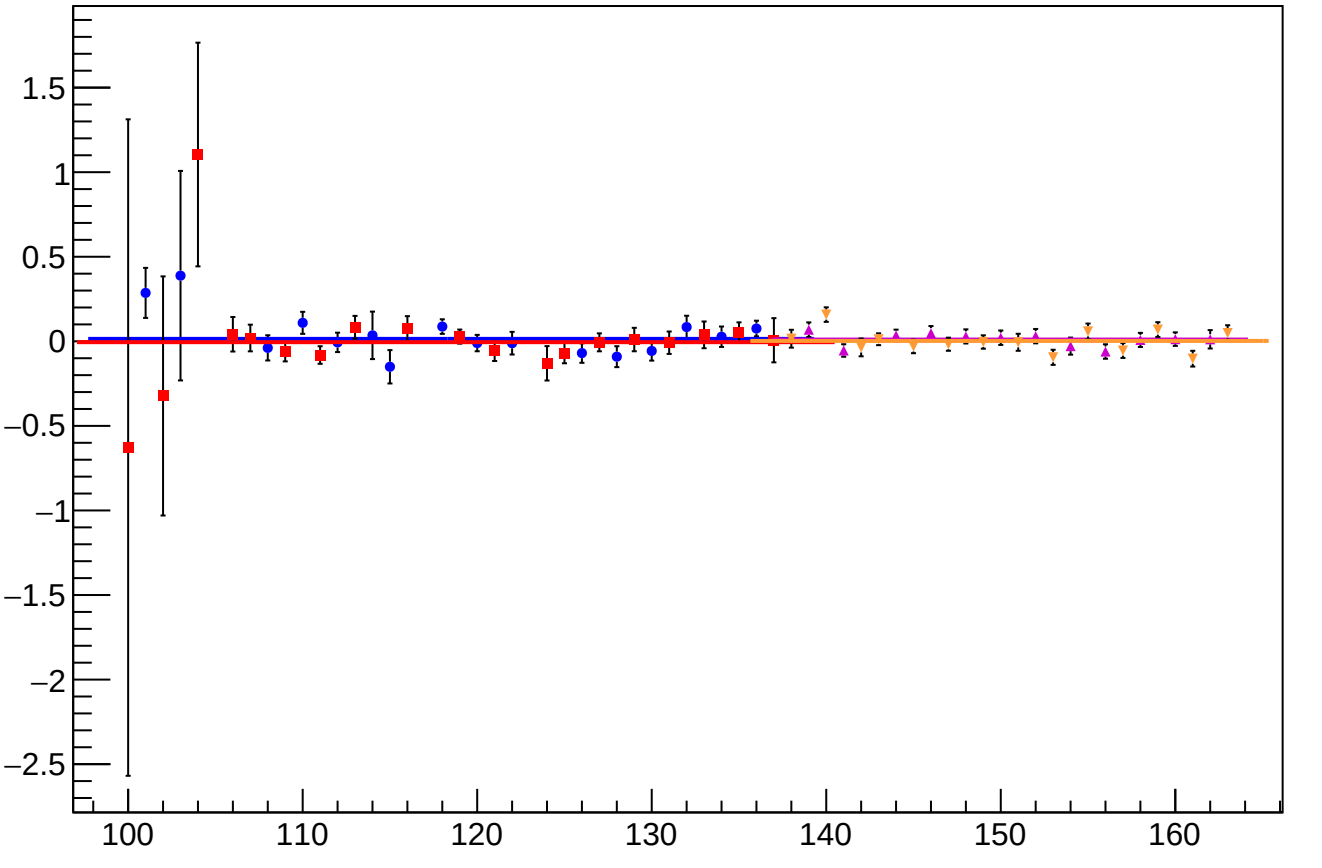
Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1029572.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 3641943.4/29

All: 0.000+/-0.000 χ^2/NDF: 7399860.3/60

- sign 0.000+/-0.000 χ^2/NDF: 3684435.8/30



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

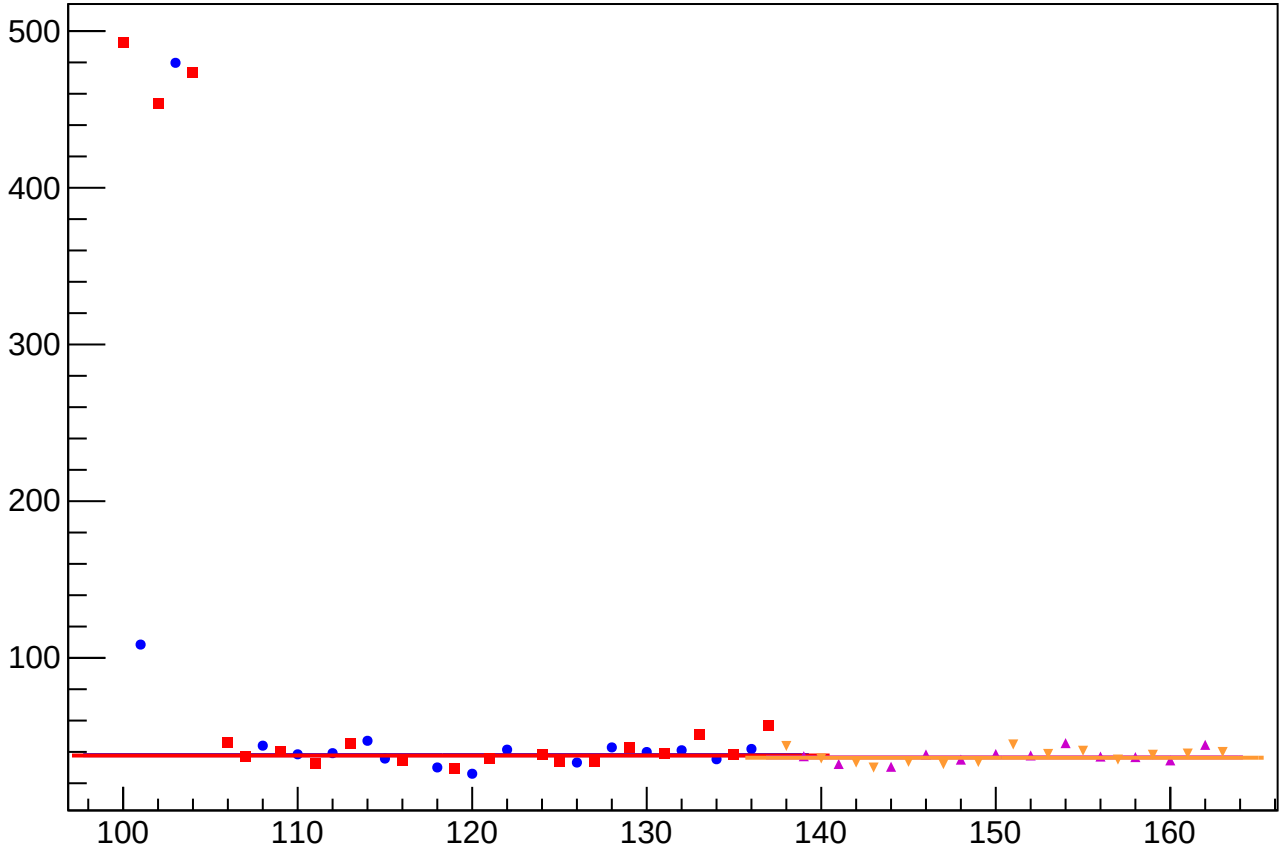
Left In: 0.010+/-0.012 χ^2/NDF:10.0/11

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.006+/-0.007 χ^2/NDF: 79.0/60

- sign 0.005+/-0.010 χ^2/NDF: 25.4/30

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: 36.291+/-0.008 χ^2/NDF:257345.2/13

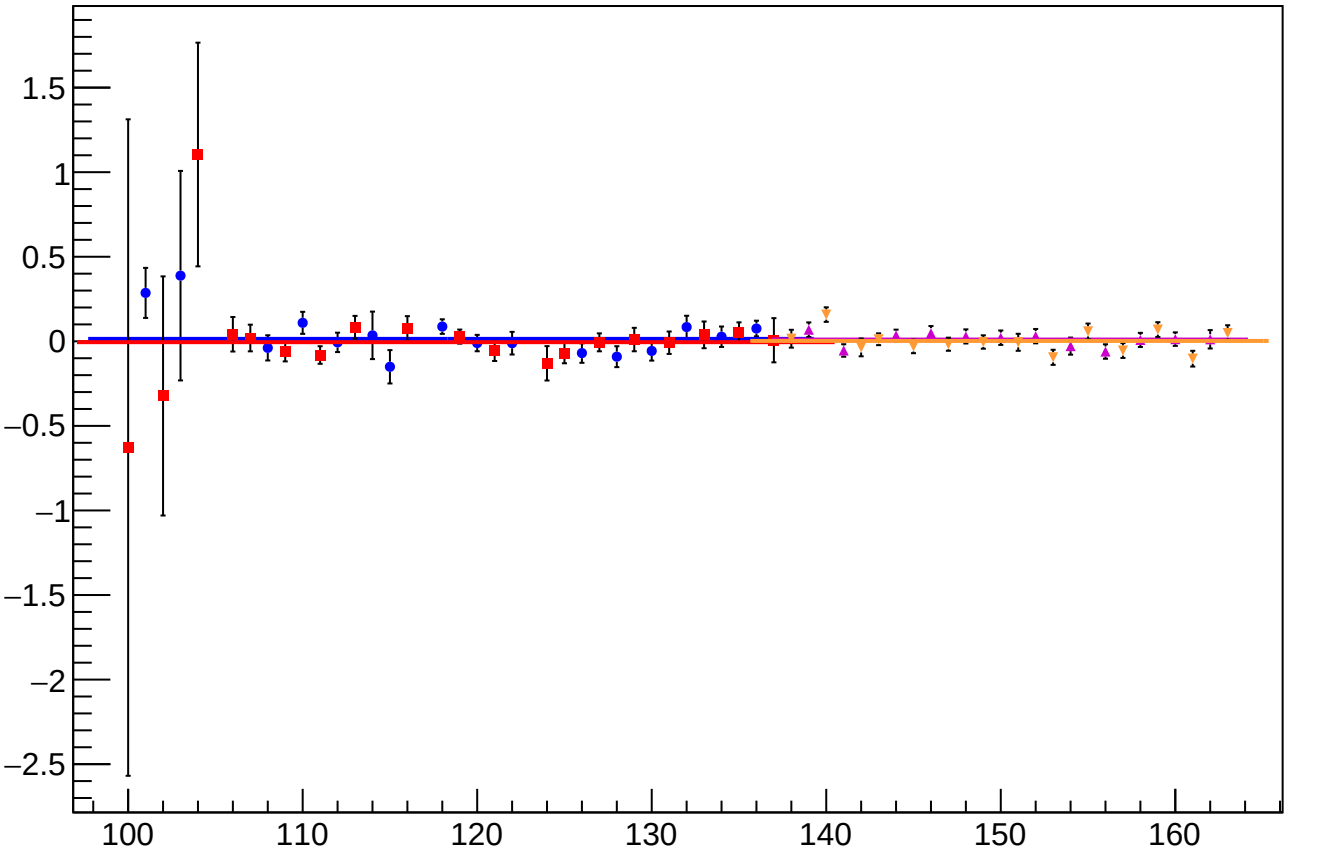
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.501+/-0.009 χ^2/NDF:212978.4/11

+ sign 36.868+/-0.007 χ^2/NDF: 2010991.9/29

All: 36.900+/-0.005 χ^2/NDF: 4175964.0/60

- sign 36.934+/-0.007 χ^2/NDF: 2164923.4/30



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

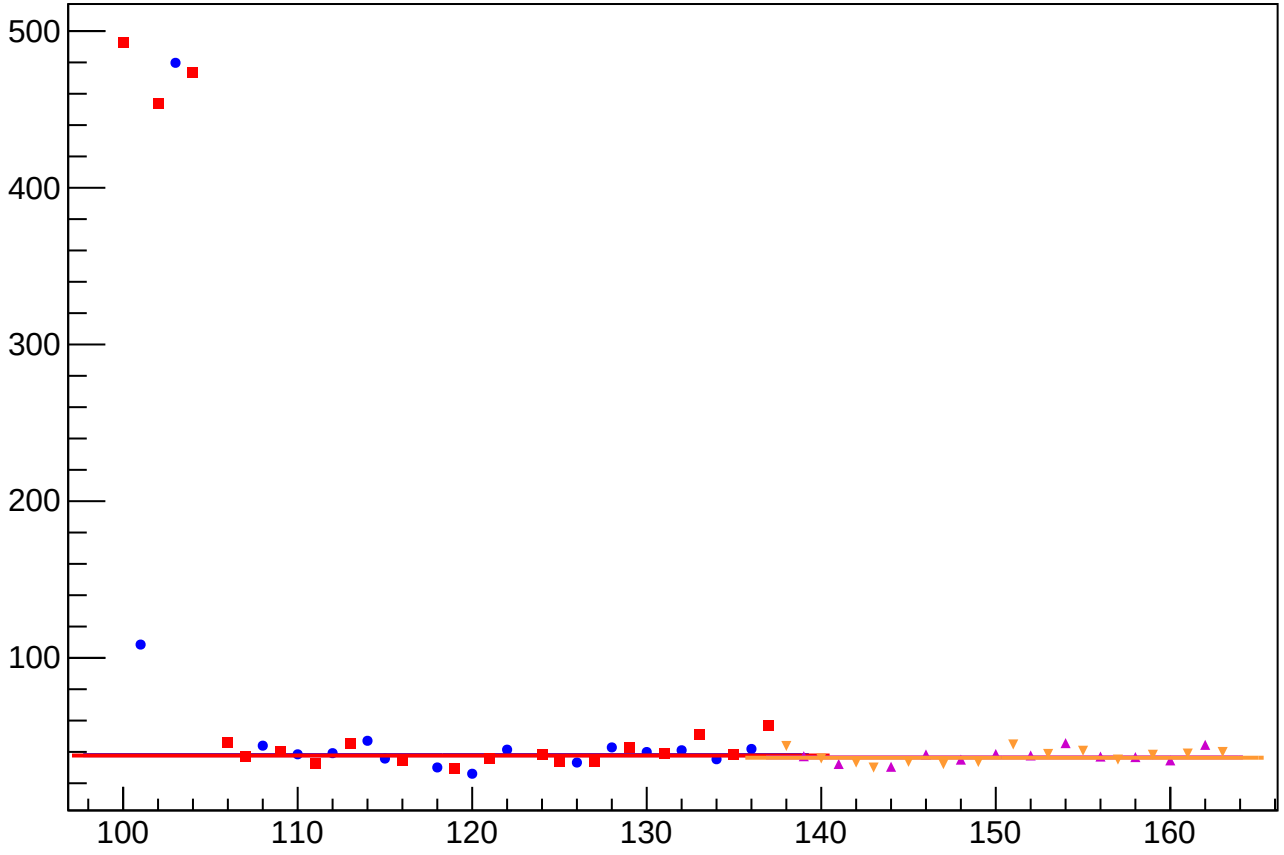
Left In: 0.010+/-0.012 χ^2/NDF:10.0/11

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.006+/-0.007 χ^2/NDF: 79.0/60

- sign 0.005+/-0.010 χ^2/NDF: 25.4/30

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: 36.291+/-0.008 χ^2/NDF:257345.2/13

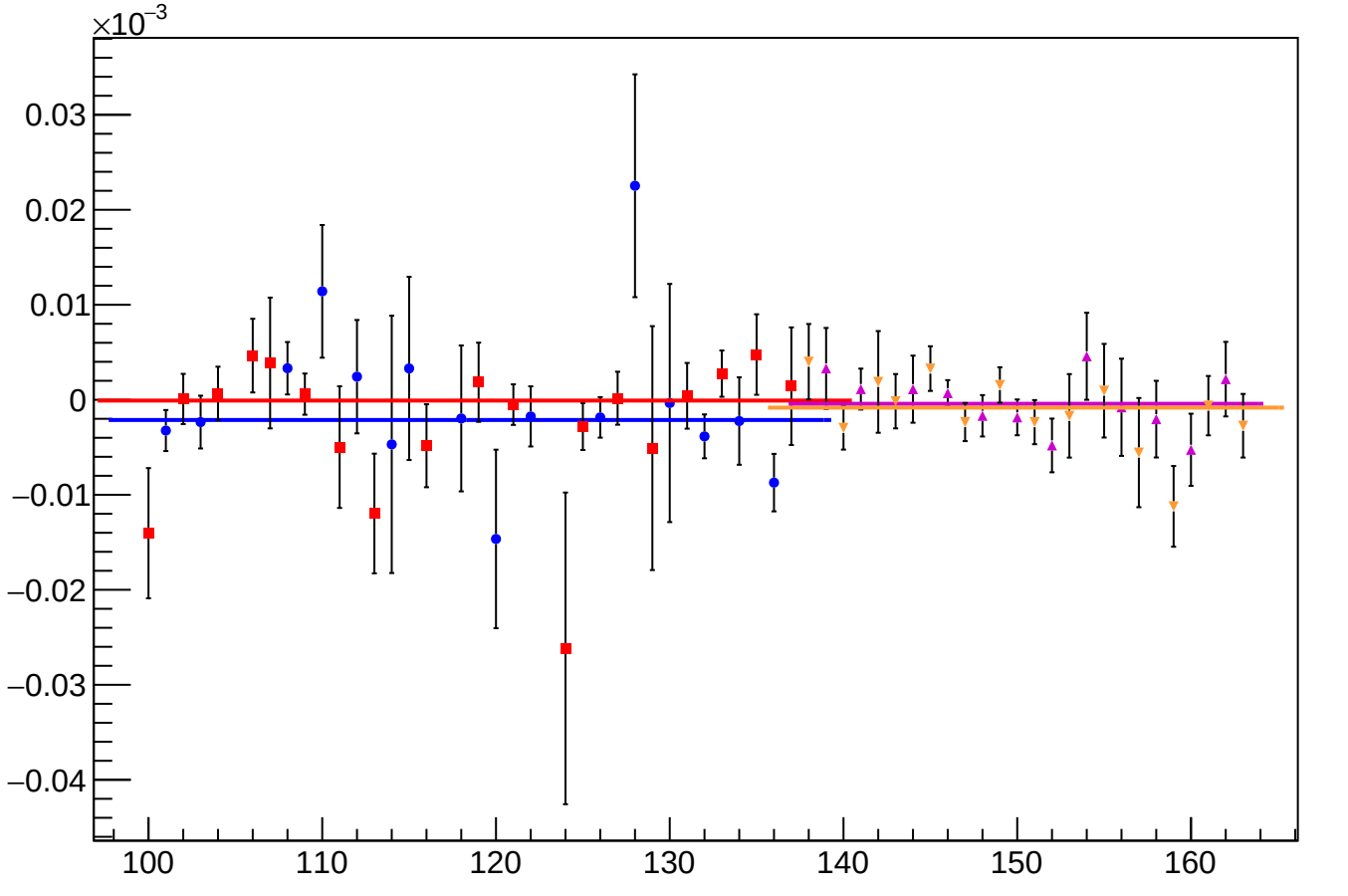
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.501+/-0.009 χ^2/NDF:212978.4/11

\+ sign 36.868+/-0.007 χ^2/NDF: 2010991.9/29

All: 36.900+/-0.005 χ^2/NDF: 4175964.0/60

\- sign 36.934+/-0.007 χ^2/NDF: 2164923.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

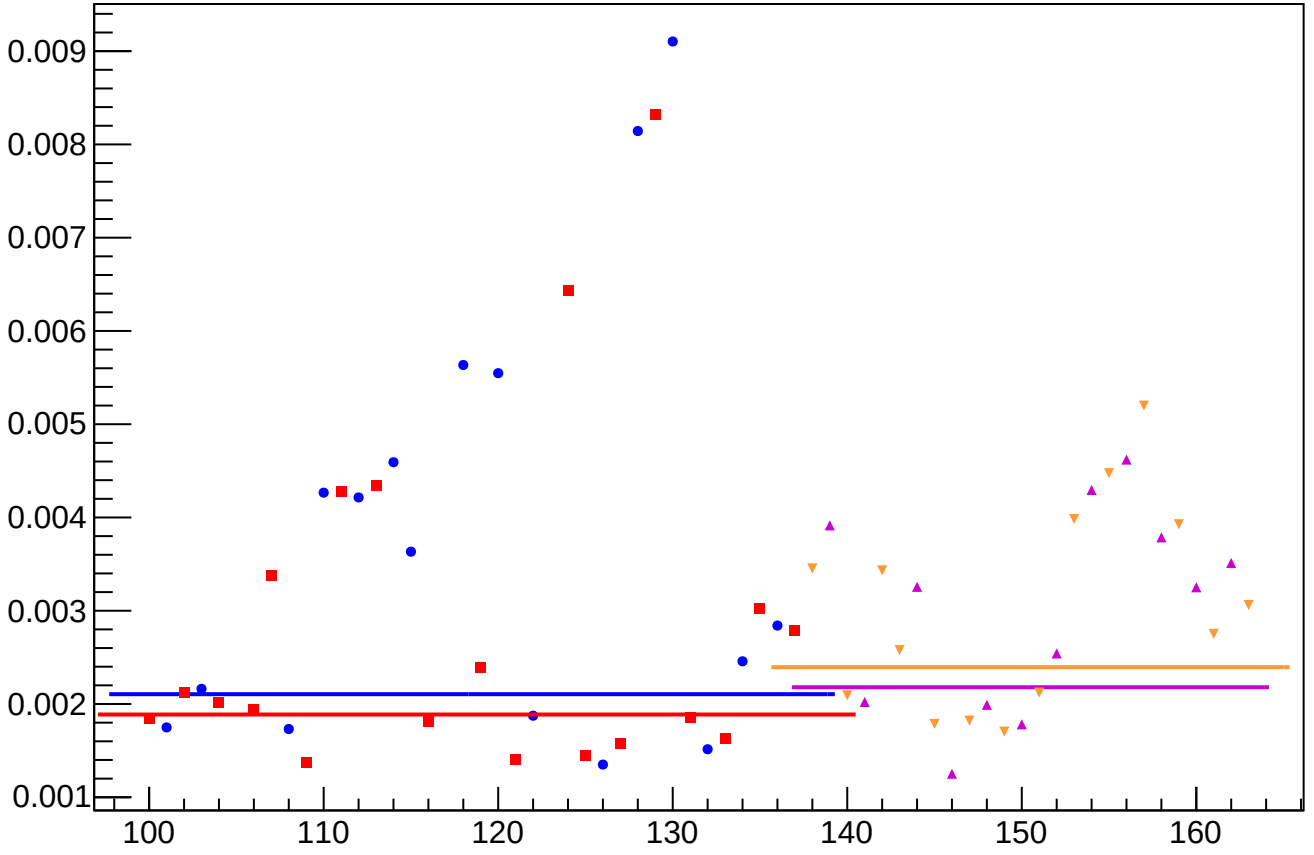
Left In: -0.000+/-0.000 χ^2/NDF:8.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/29

All: -0.000+/-0.000 χ^2/NDF: 66.5/60

- sign -0.000+/-0.000 χ^2/NDF: 27.4/30

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2319489.2/13

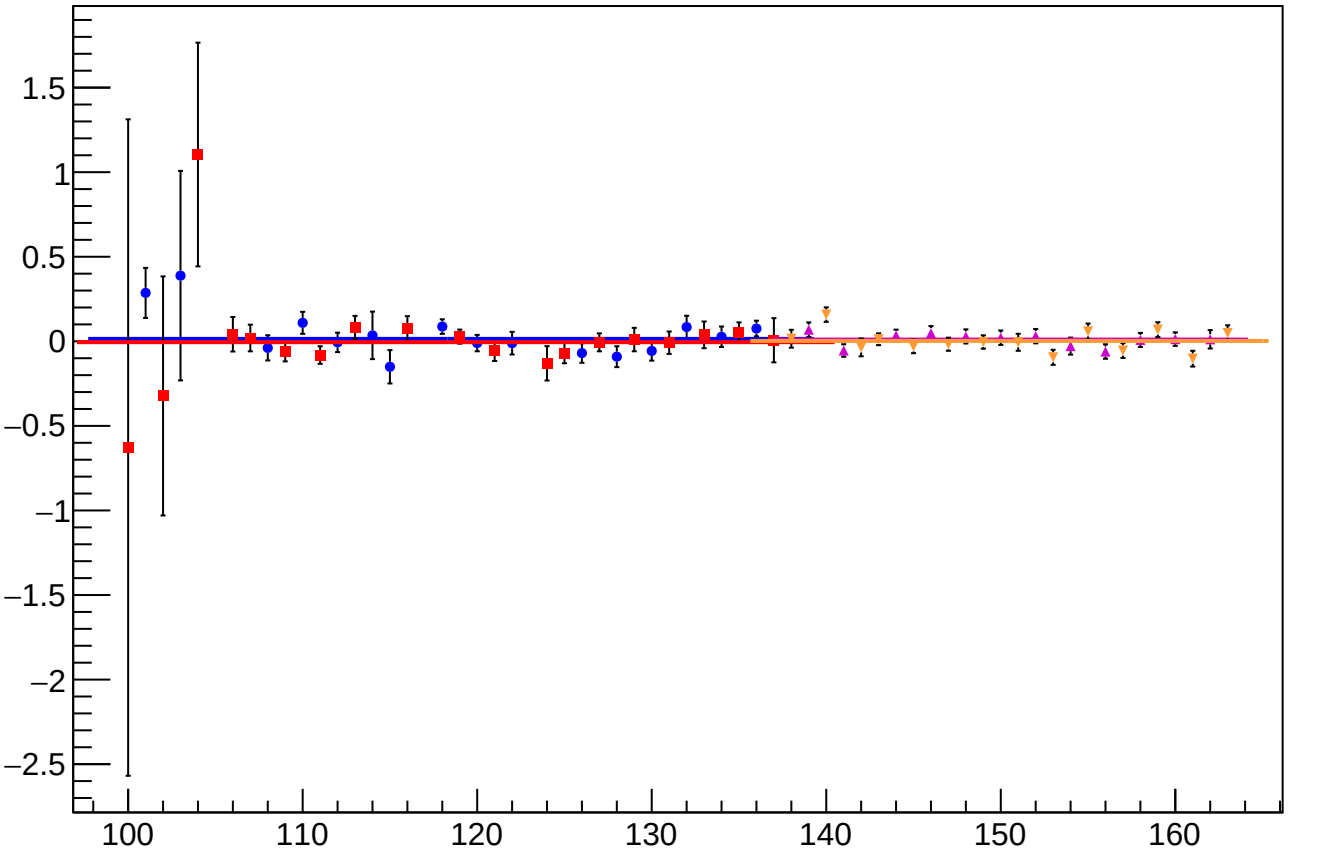
Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3172434.3/11

+ sign 0.002+/-0.000 χ^2/NDF: 5457024.9/29

All: 0.002+/-0.000 χ^2/NDF: 10833191.1/60

- sign 0.002+/-0.000 χ^2/NDF: 5209193.5/30



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

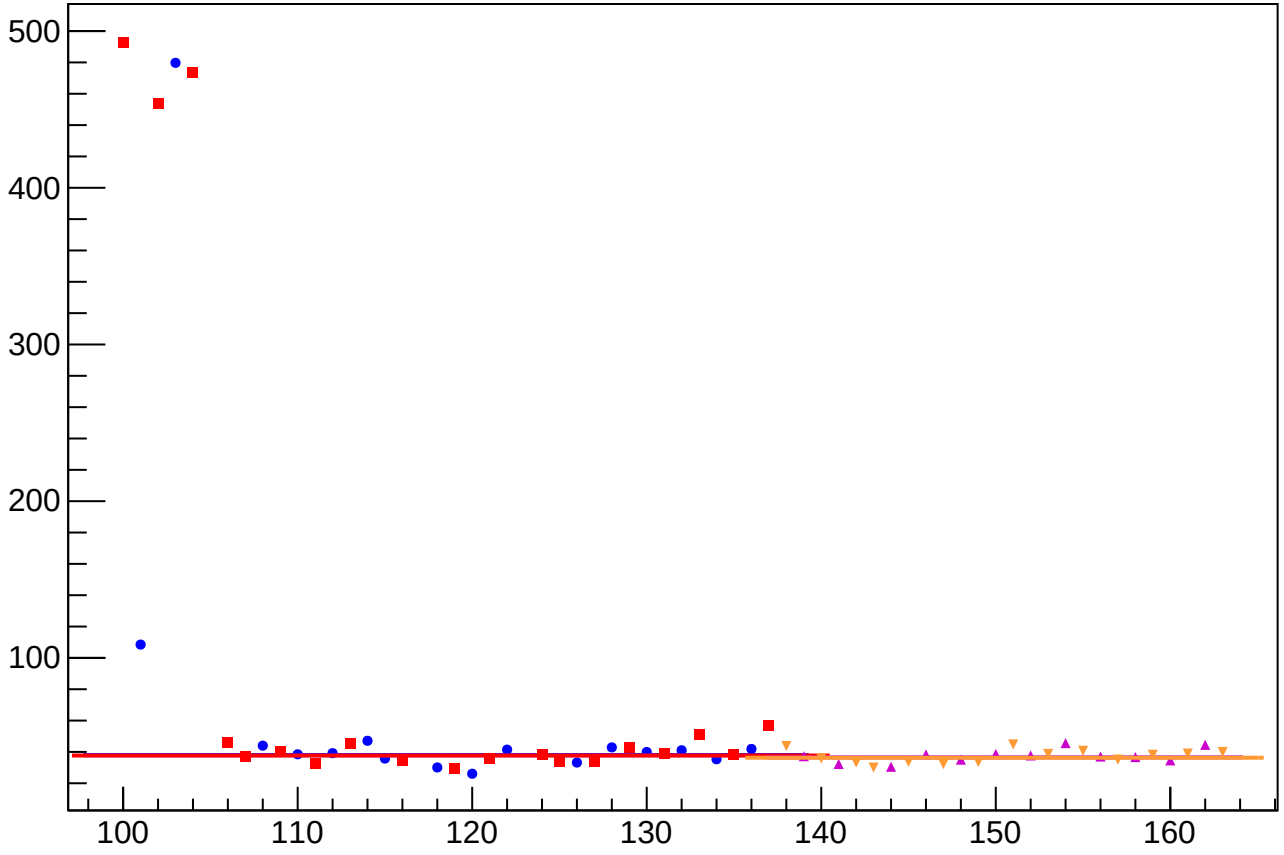
Left In: 0.010+/-0.012 χ^2/NDF:10.0/11

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.006+/-0.007 χ^2/NDF: 79.0/60

- sign 0.005+/-0.010 χ^2/NDF: 25.4/30

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: 36.291+/-0.008 χ^2/NDF:257398.5/13

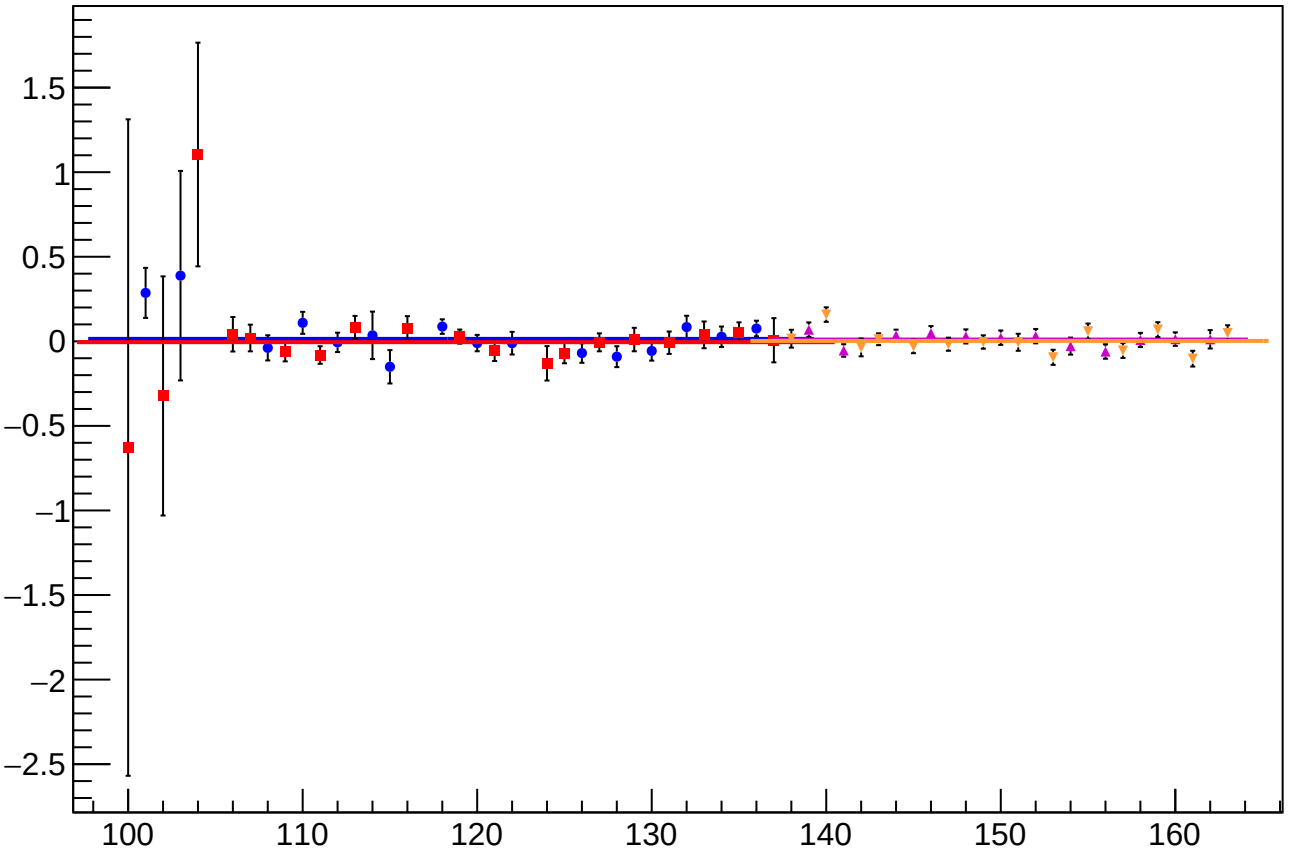
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.501+/-0.009 χ^2/NDF:213012.3/11

+ sign 36.868+/-0.007 χ^2/NDF: 2011049.6/29

All: 36.900+/-0.005 χ^2/NDF: 4176122.7/60

- sign 36.934+/-0.007 χ^2/NDF: 2165025.0/30



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

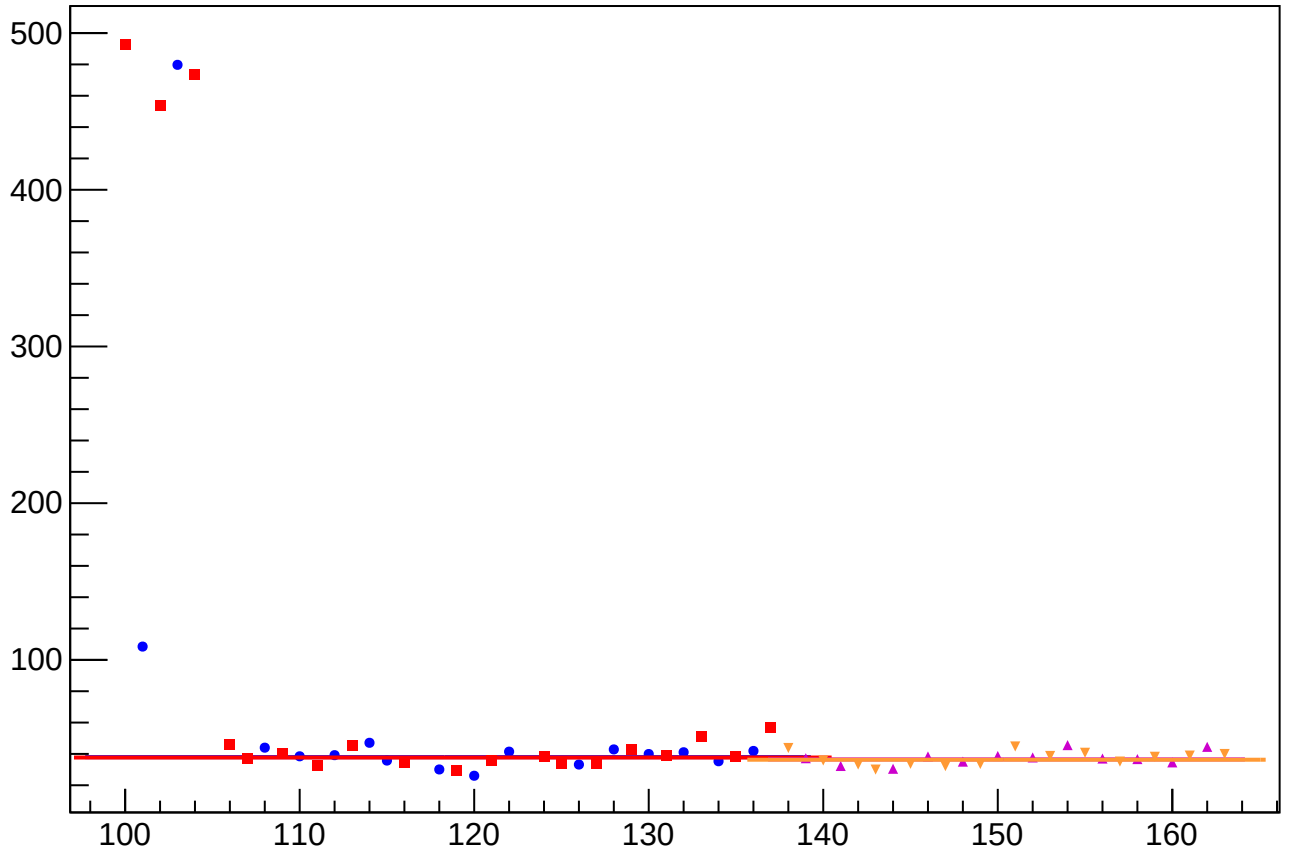
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.010+/-0.012 χ^2/NDF:10.0/11

+ sign 0.007+/-0.009 χ^2/NDF: 53.5/29

All: 0.006+/-0.007 χ^2/NDF: 79.0/60

- sign 0.005+/-0.010 χ^2/NDF: 25.4/30



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.291+/-0.008 χ^2/NDF:257398.5/13

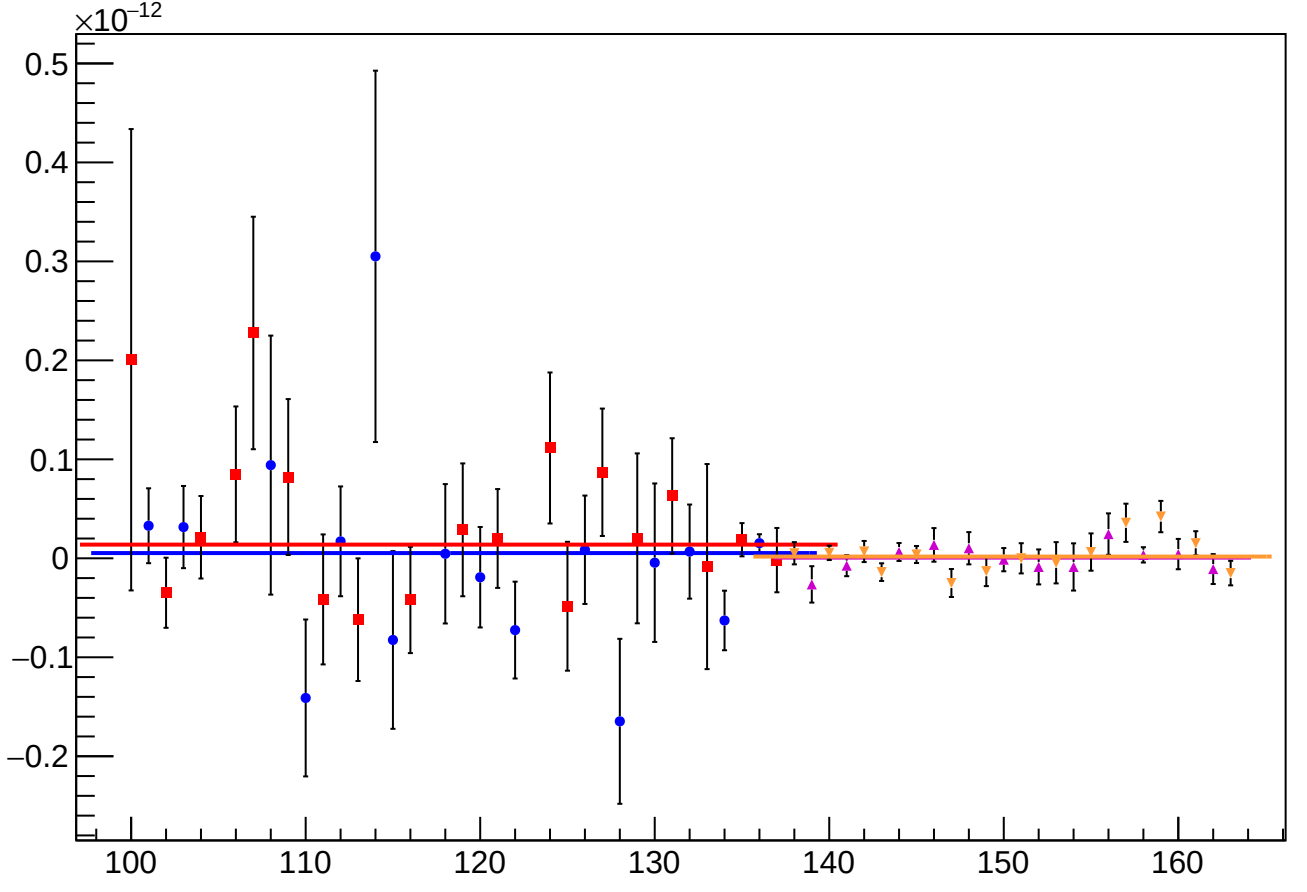
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.501+/-0.009 χ^2/NDF:213012.3/11

+ sign 36.868+/-0.007 χ^2/NDF: 2011049.6/29

All: 36.900+/-0.005 χ^2/NDF: 4176122.7/60

- sign 36.934+/-0.007 χ^2/NDF: 2165025.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/13

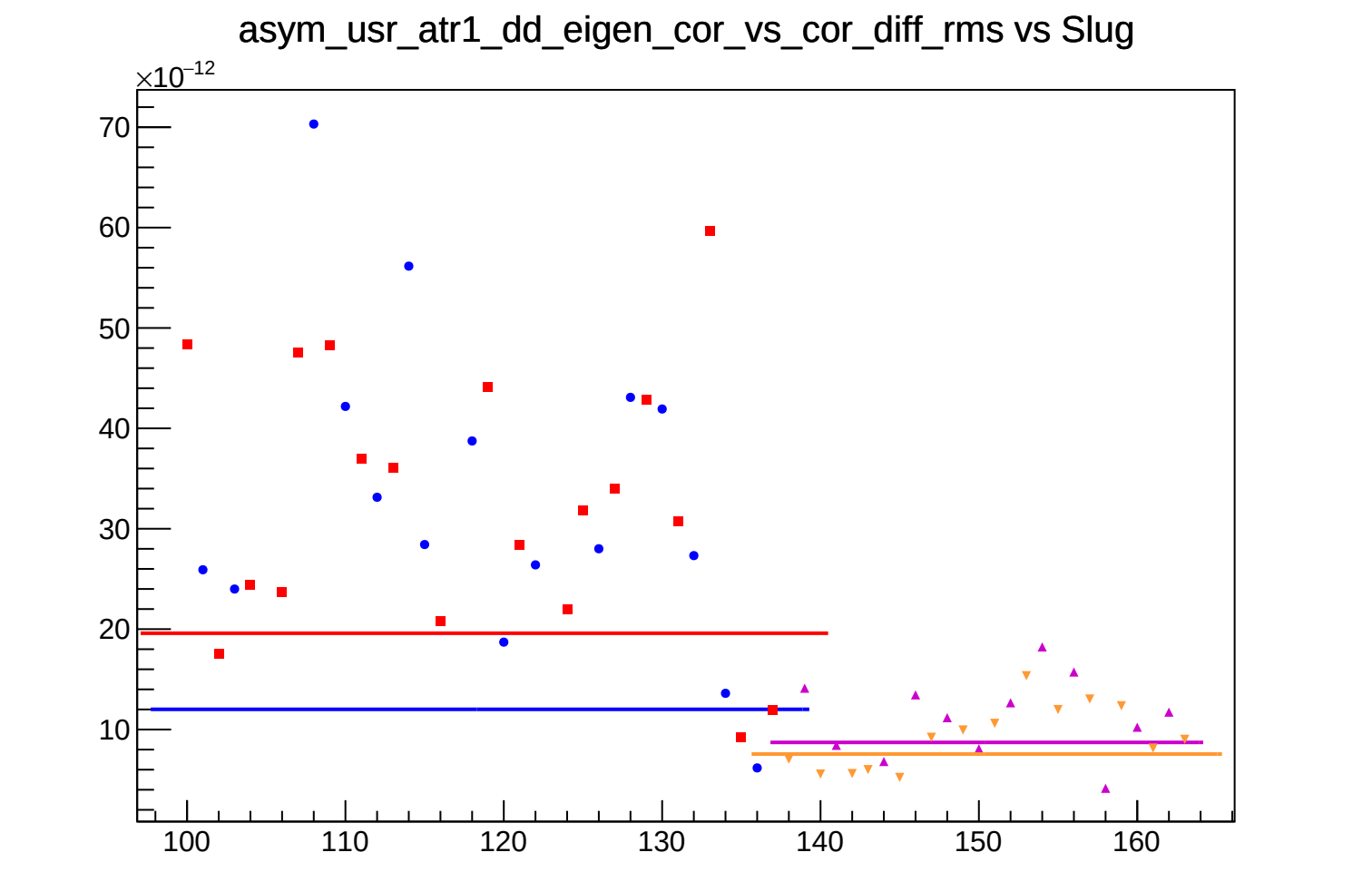
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/29

All: 0.000+/-0.000 χ^2/NDF: 66.9/60

- sign 0.000+/-0.000 χ^2/NDF: 23.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358081.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

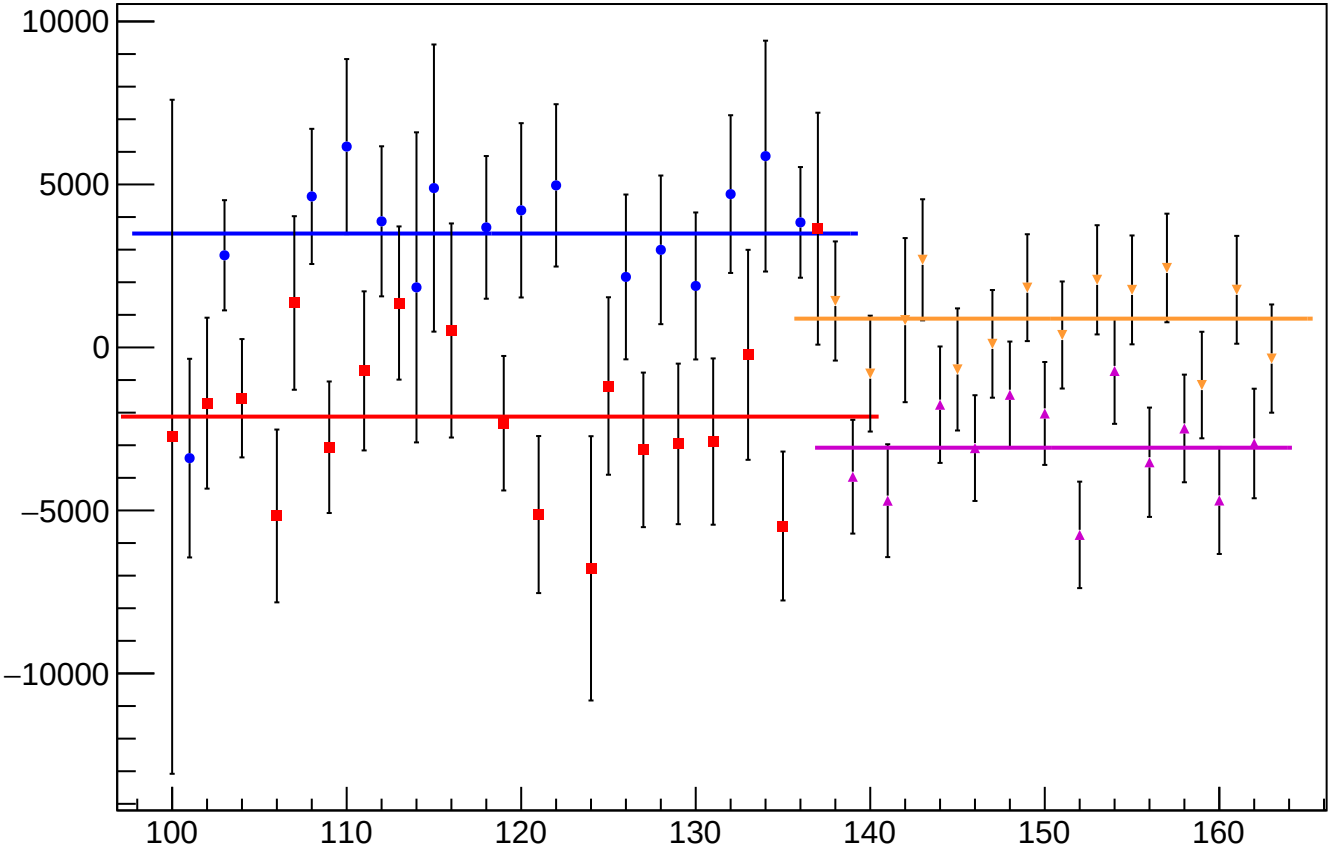
Left In: 0.000+/-0.000 χ^2/NDF:1908070.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 5819406.6/29

All: 0.000+/-0.000 χ^2/NDF: 12512636.6/60

- sign 0.000+/-0.000 χ^2/NDF: 6411179.9/30

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.653+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

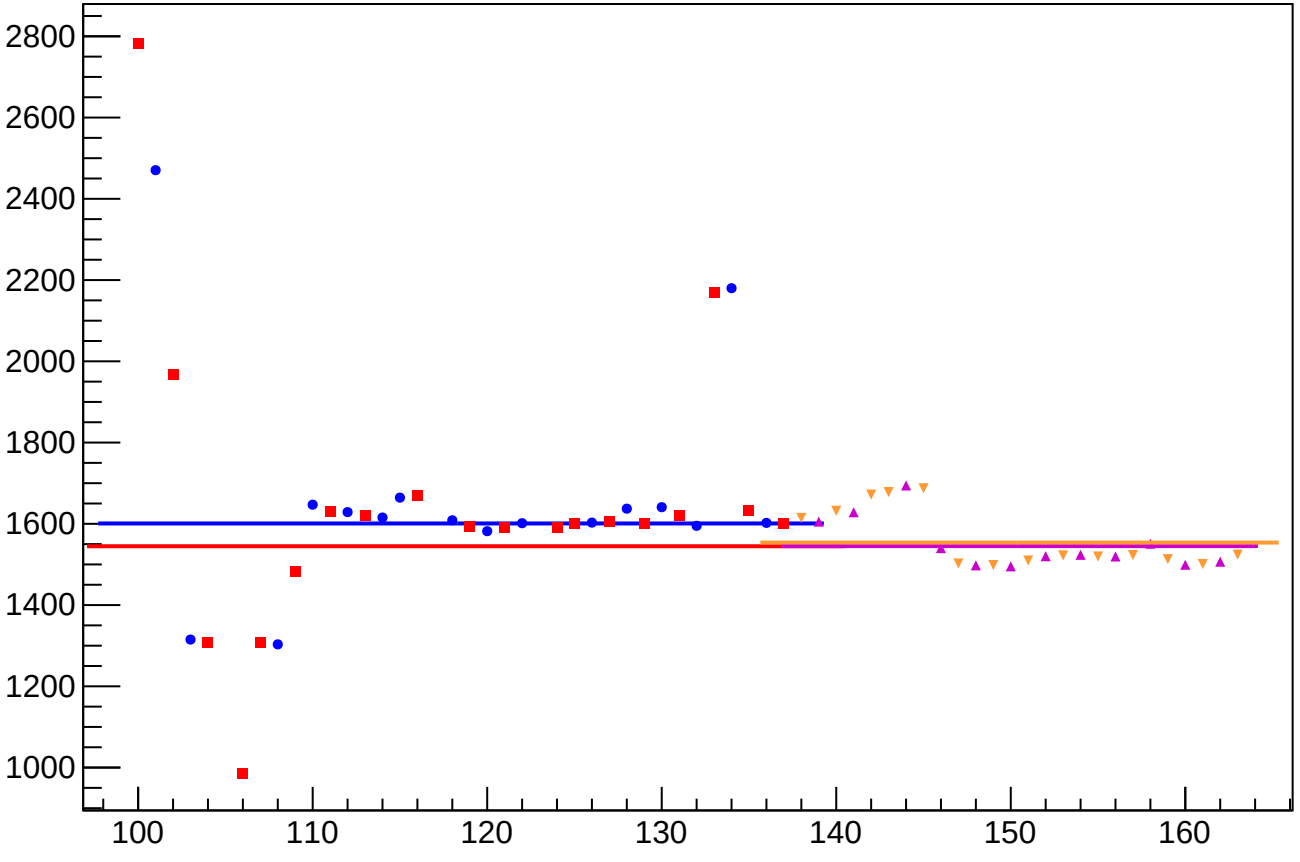
Left In: -3075.738+/-480.299 χ^2/NDF:9.1/11

+ sign 1859.350+/-367.523 χ^2/NDF: 27.9/29

All: -390.324+/-261.405 χ^2/NDF: 129.5/60

- sign -2693.641+/-371.879 χ^2/NDF: 25.7/30

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

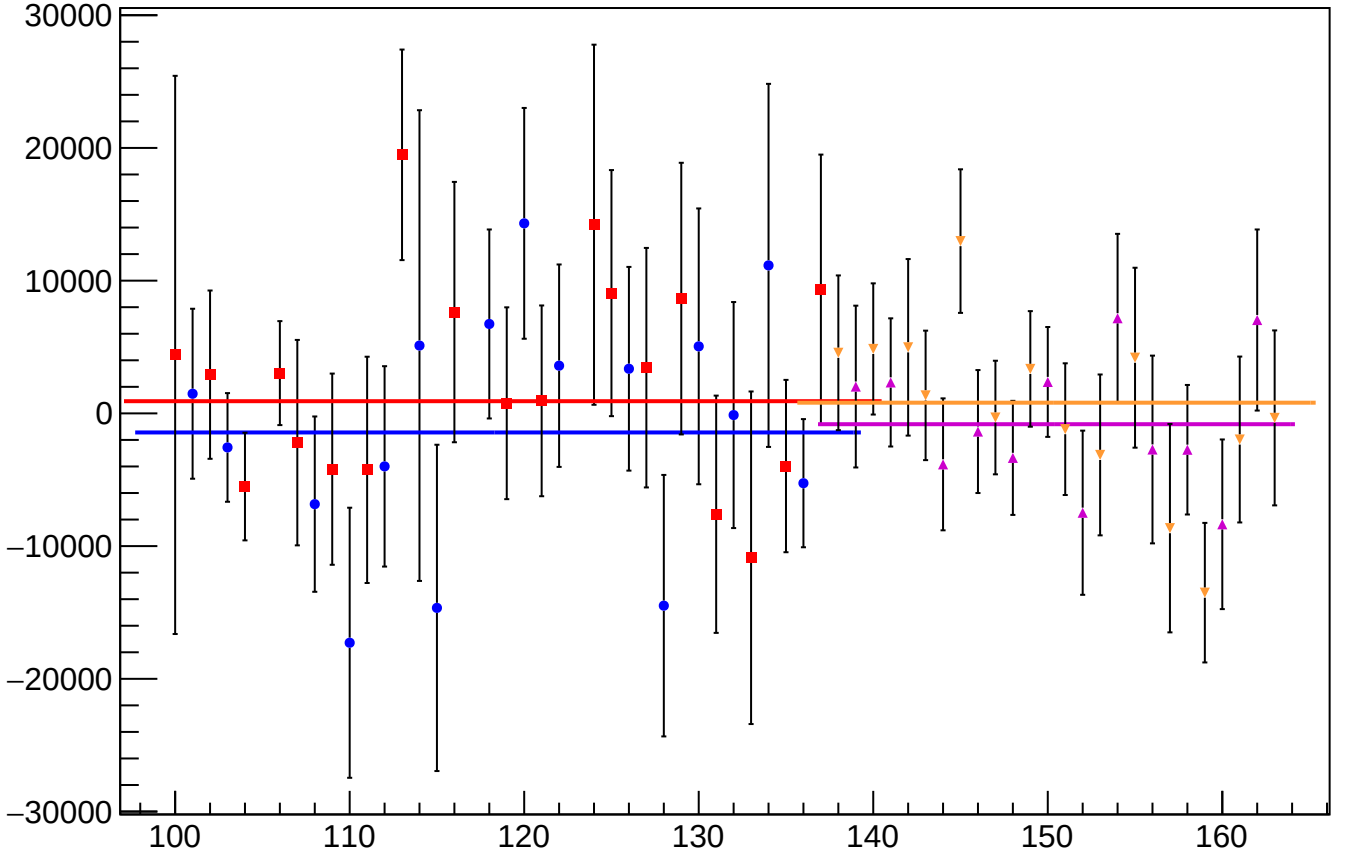
Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

+ sign 1571.408+/-0.260 χ^2/NDF: 366539.1/29

All: 1558.267+/-0.184 χ^2/NDF: 776411.7/60

- sign 1544.995+/-0.261 χ^2/NDF: 404733.4/30

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 805.463+/-1463.047 χ^2/NDF:16.9/13

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

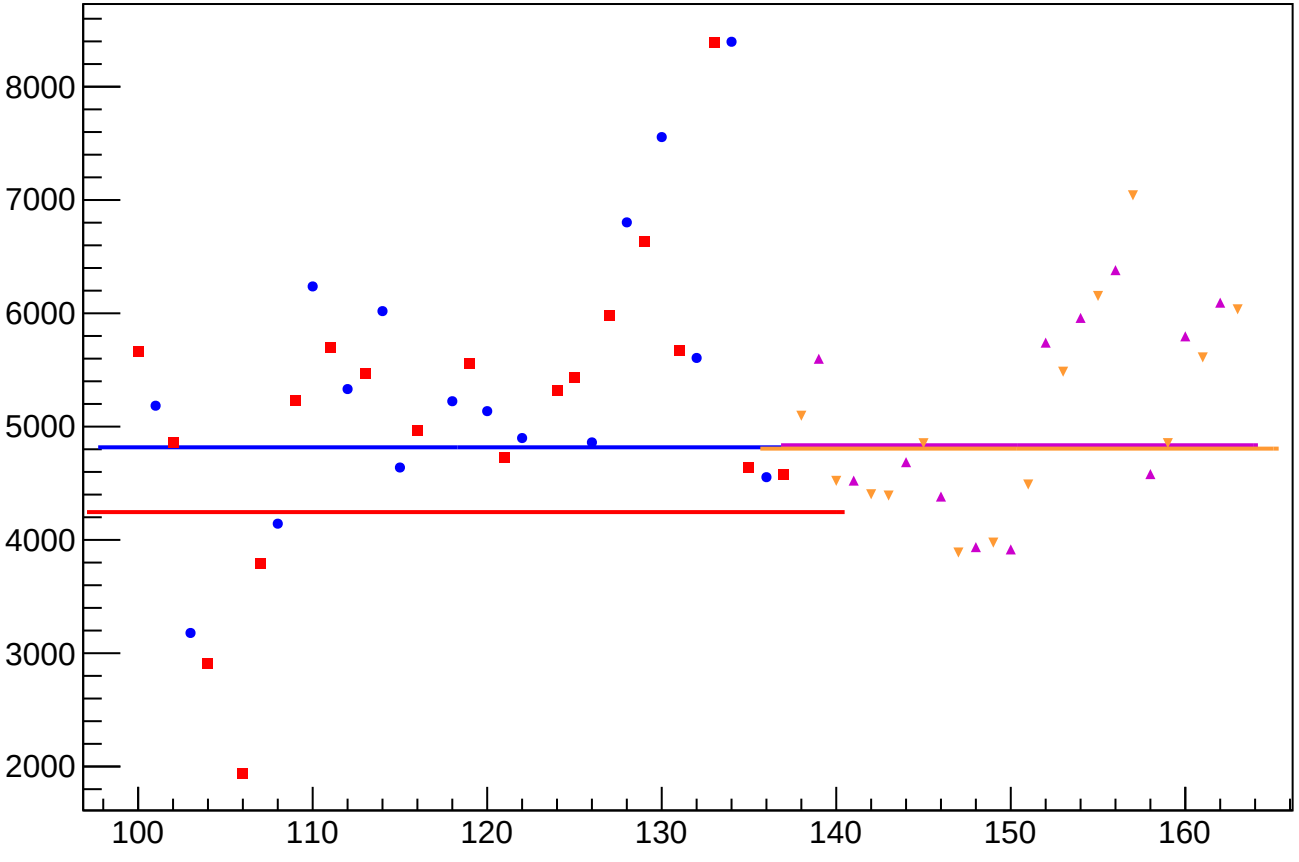
Left In: -815.464+/-1528.128 χ^2/NDF:7.7/11

\+ sign -58.410+/-1147.150 χ^2/NDF: 31.7/29

All: -41.353+/-803.994 χ^2/NDF: 55.2/60

\- sign -24.886+/-1127.153 χ^2/NDF: 23.6/30

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4805.763+/-1.035 χ^2/NDF:575318.3/13

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

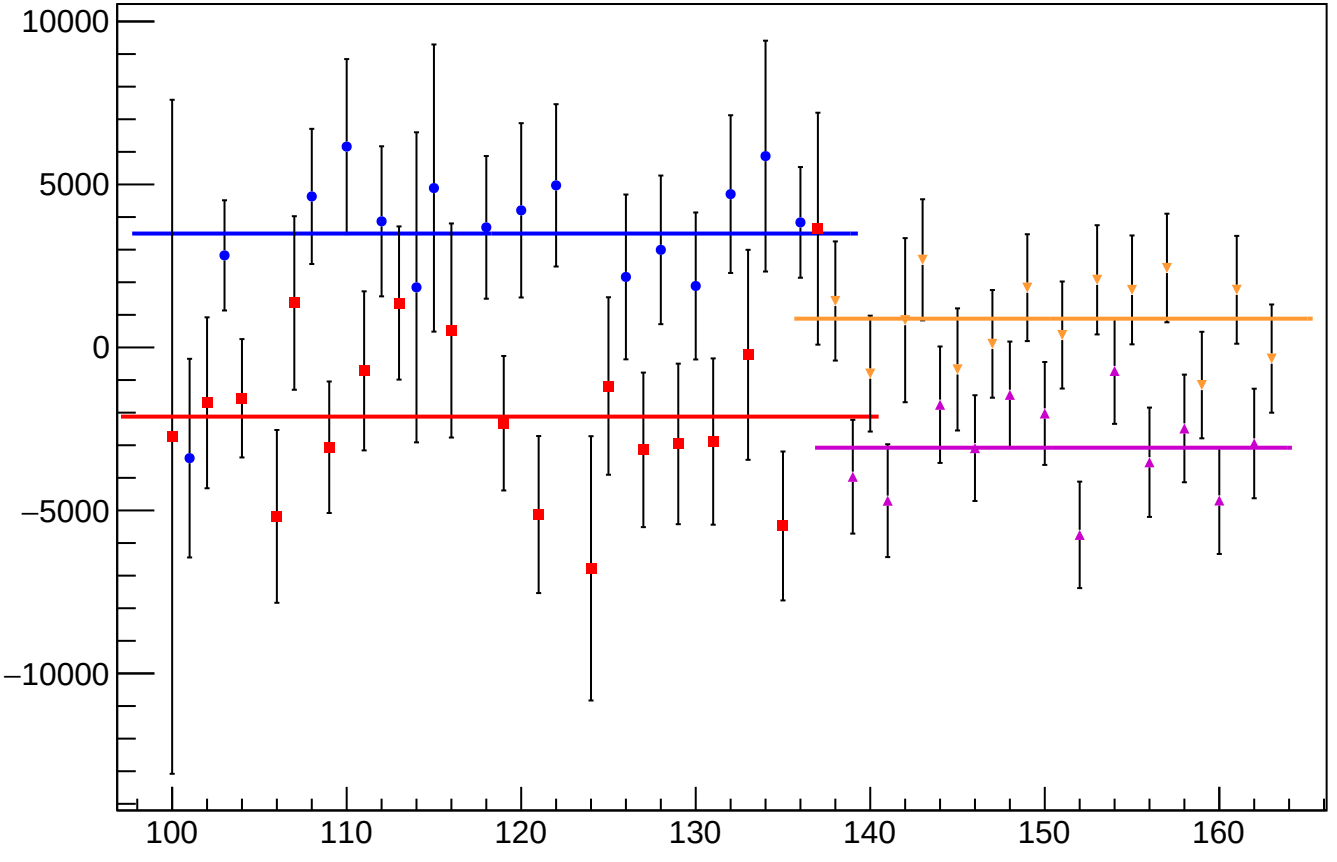
Left In: 4835.471+/-1.081 χ^2/NDF:566535.1/11

+ sign 4810.224+/-0.811 χ^2/NDF: 1370797.7/29

All: 4686.216+/-0.569 χ^2/NDF: 3802331.0/60

- sign 4566.494+/-0.797 χ^2/NDF: 2385597.9/30

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

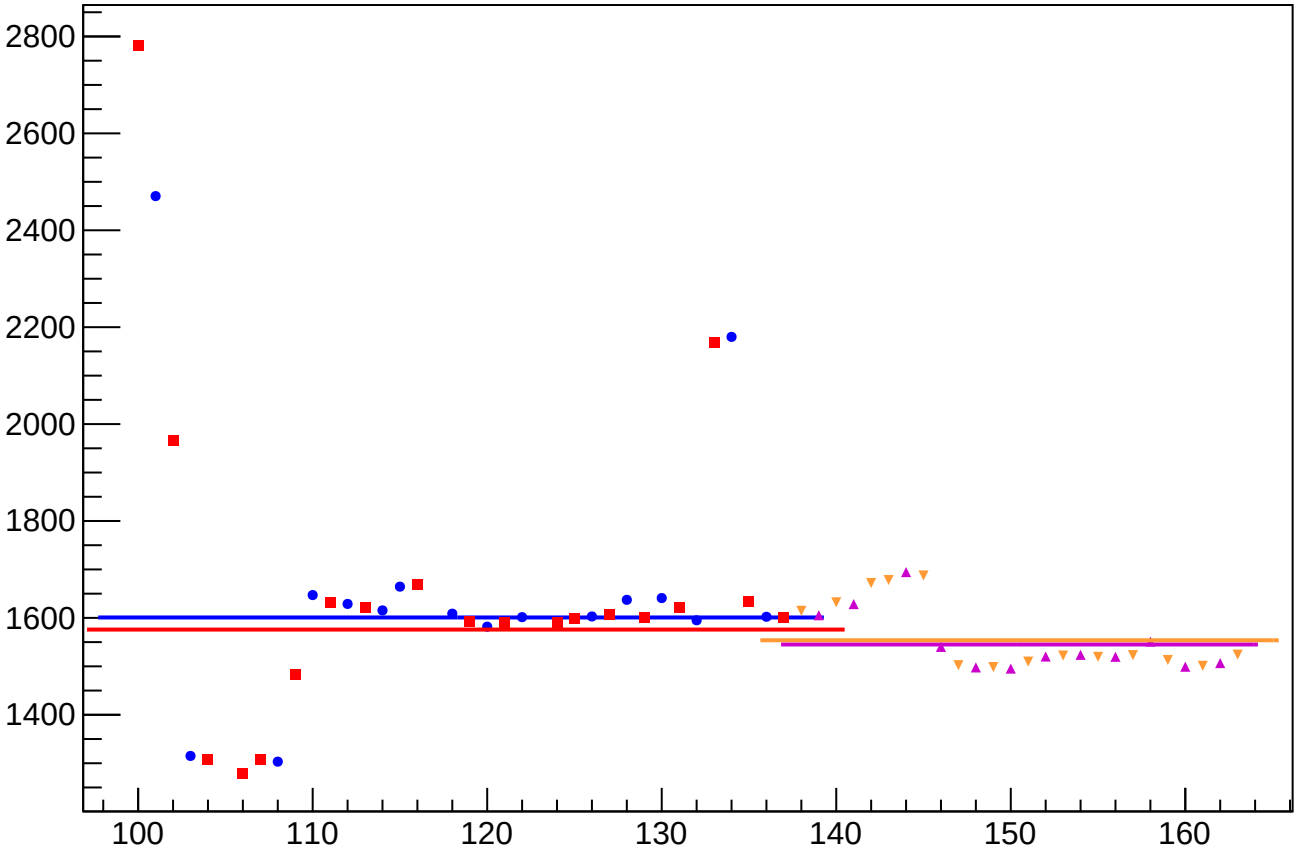
Left In: -3075.768+/-480.299 χ^2/NDF:9.1/11

+ sign 1859.106+/-367.523 χ^2/NDF: 27.9/29

All: -390.450+/-261.405 χ^2/NDF: 129.5/60

- sign -2693.657+/-371.880 χ^2/NDF: 25.8/30

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

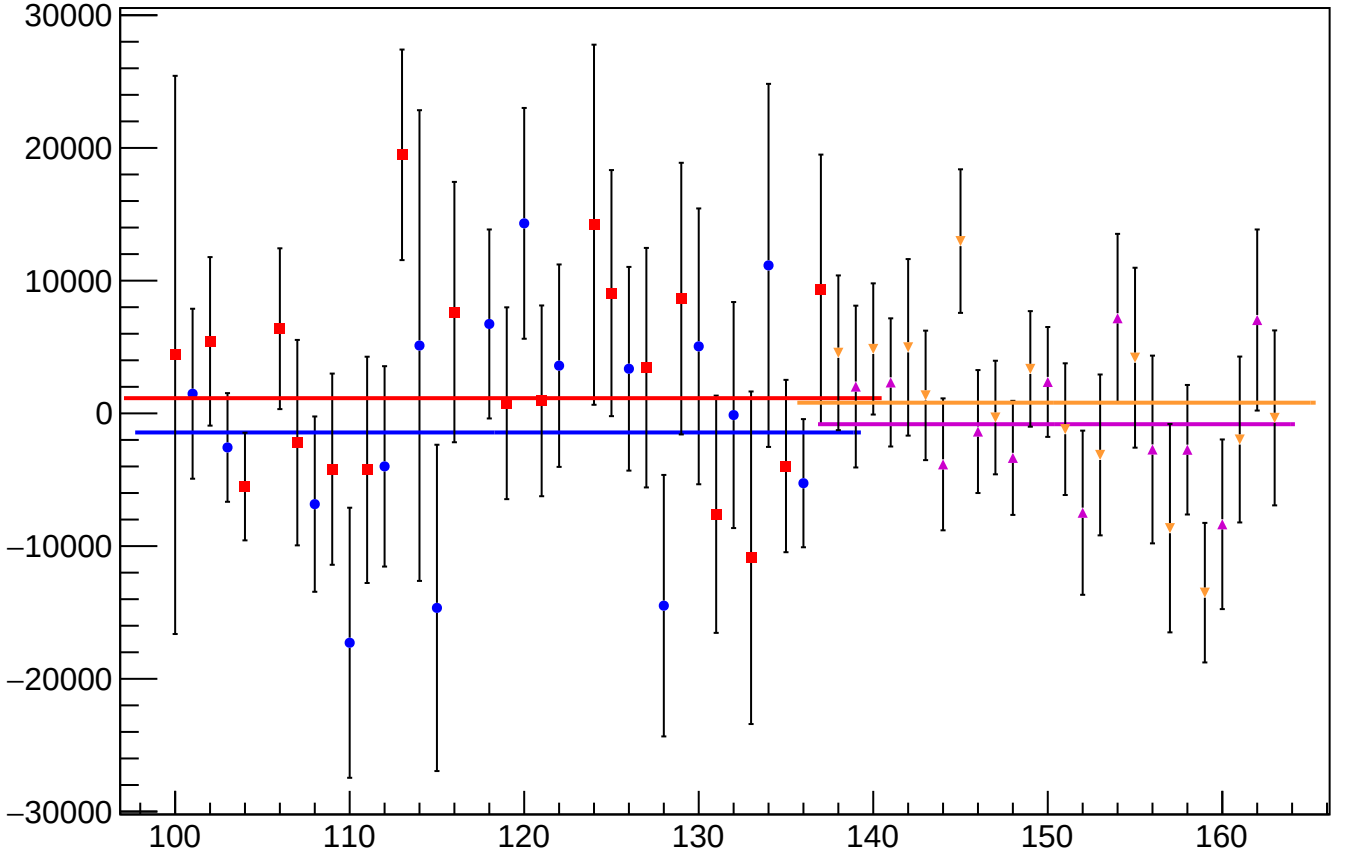
Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

+ sign 1571.408+/-0.260 χ^2/NDF: 366538.4/29

All: 1564.529+/-0.185 χ^2/NDF: 643196.3/60

- sign 1557.508+/-0.263 χ^2/NDF: 275242.1/30

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 805.419+/-1463.044 χ^2/NDF:16.9/13

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

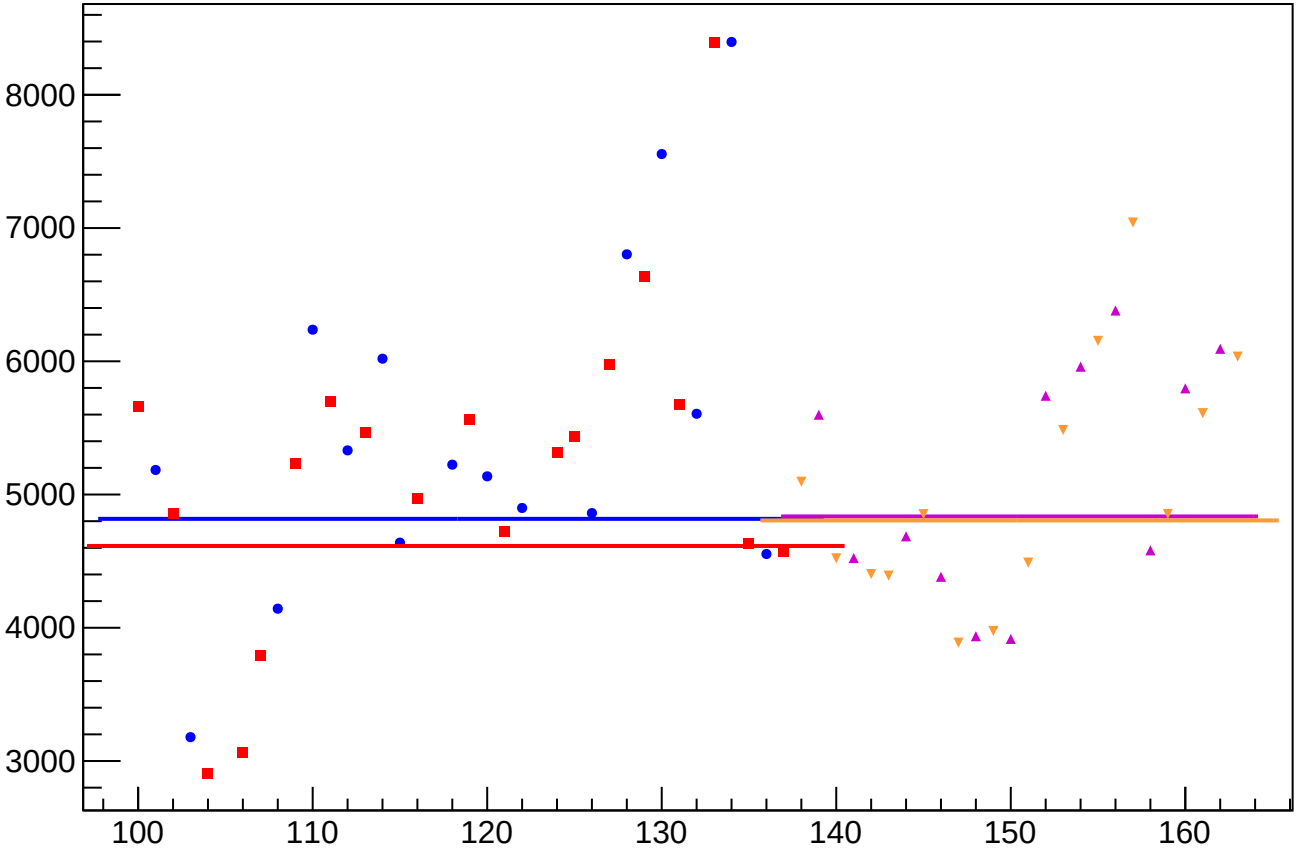
Left In: -815.561+/-1528.128 χ^2/NDF:7.7/11

+ sign -58.508+/-1147.158 χ^2/NDF: 31.7/29

All: -17.193+/-814.060 χ^2/NDF: 56.3/60

- sign 24.718+/-1155.396 χ^2/NDF: 24.6/30

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

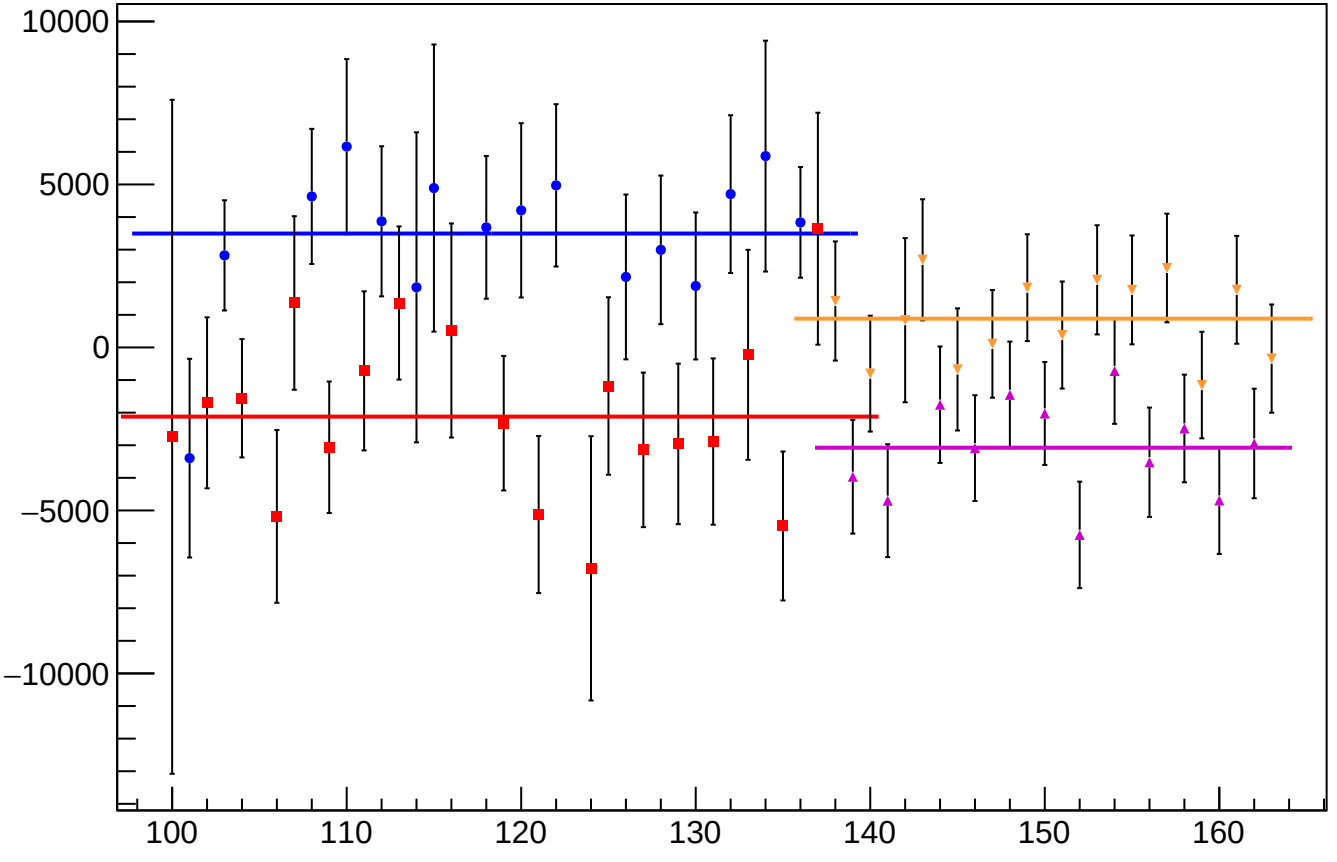
Left In: 4835.471+/-1.081 χ^2/NDF:566536.4/11

+ sign 4810.270+/-0.811 χ^2/NDF: 1370609.8/29

All: 4775.656+/-0.576 χ^2/NDF: 2936790.6/60

- sign 4740.543+/-0.817 χ^2/NDF: 1562512.8/30

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

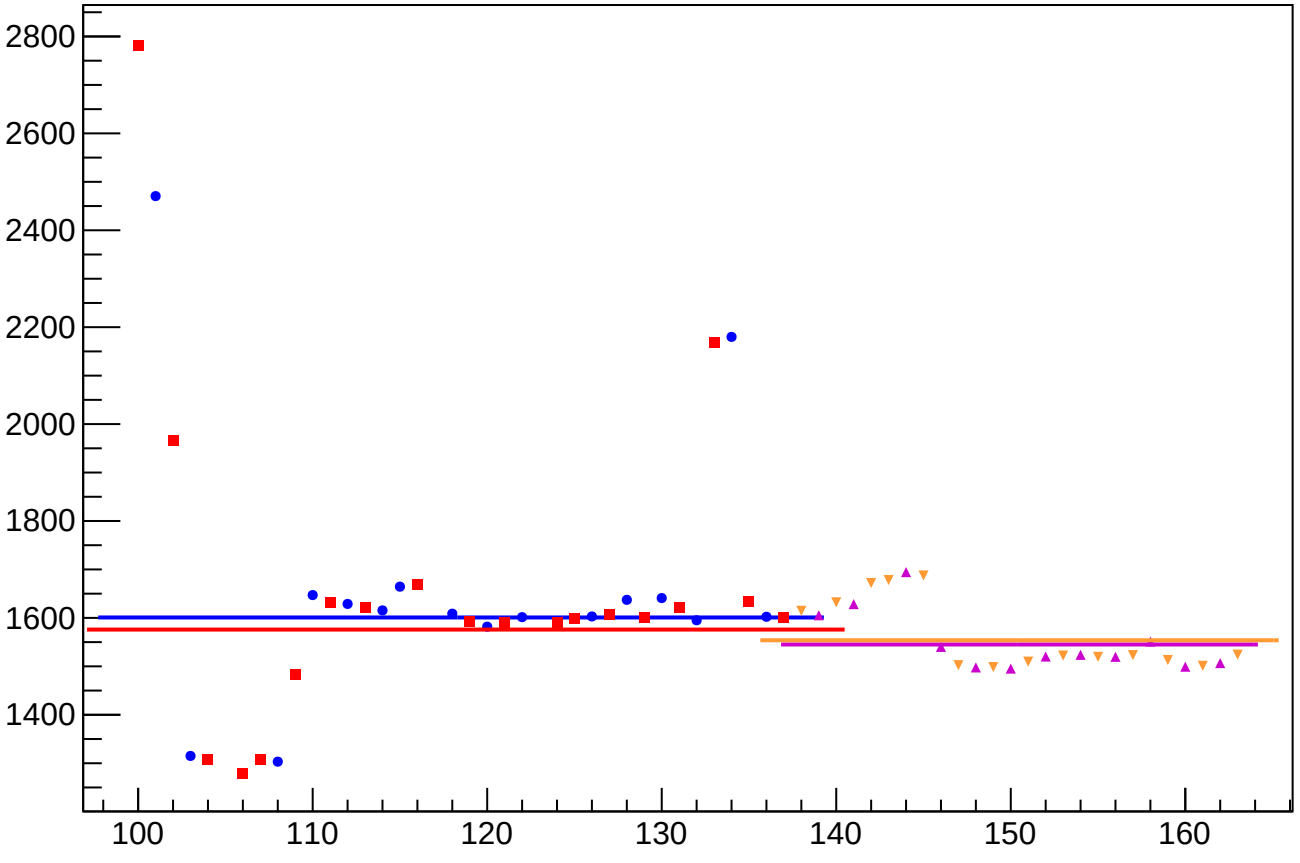
Left In: -3075.768+/-480.299 χ^2/NDF:9.1/11

+ sign 1859.106+/-367.523 χ^2/NDF: 27.9/29

All: -390.450+/-261.405 χ^2/NDF: 129.5/60

- sign -2693.657+/-371.880 χ^2/NDF: 25.8/30

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

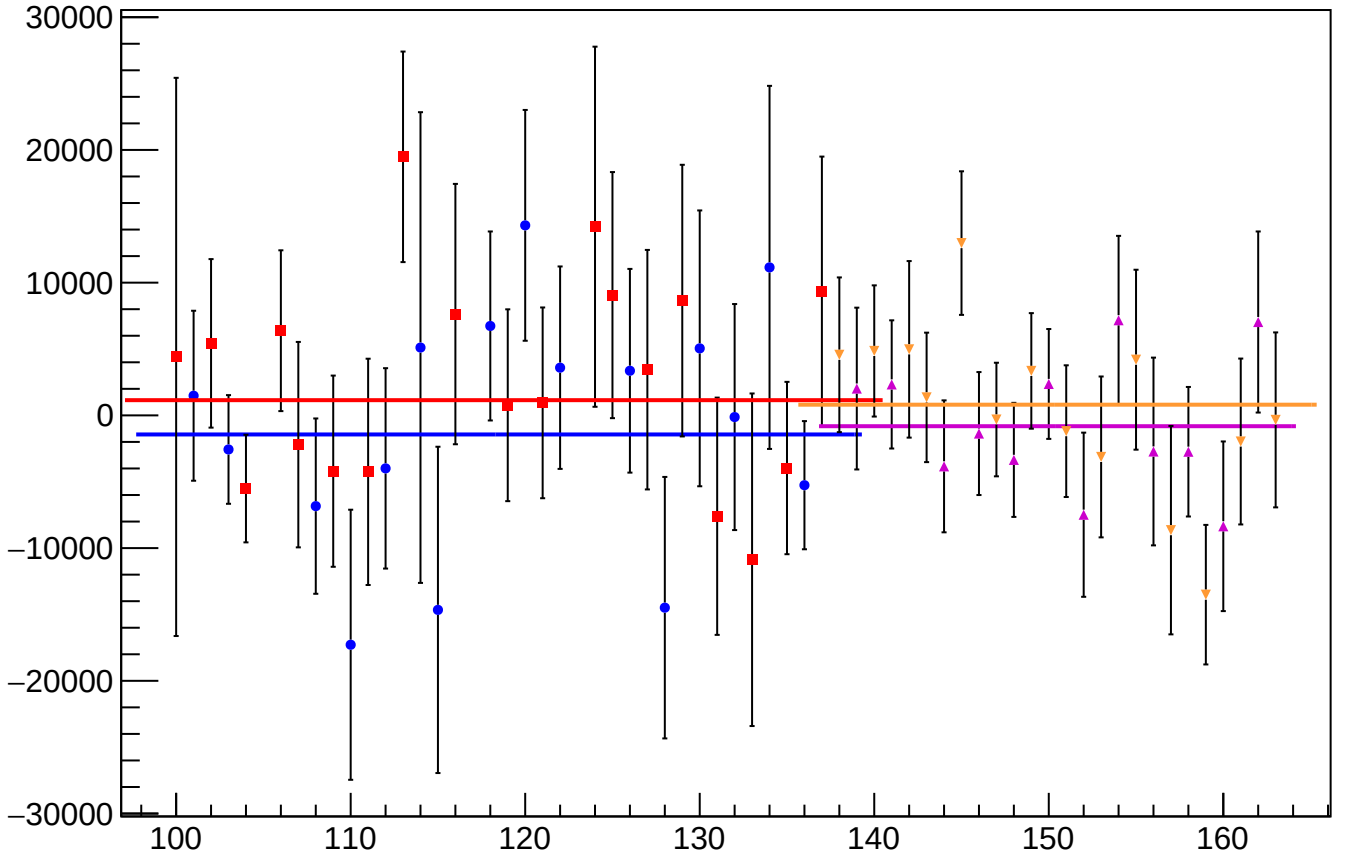
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

+ sign 1571.408+/-0.260 χ^2/NDF: 366538.4/29

All: 1564.529+/-0.185 χ^2/NDF: 643196.3/60

- sign 1557.508+/-0.263 χ^2/NDF: 275242.1/30



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 805.419+/-1463.044 χ^2/NDF:16.9/13

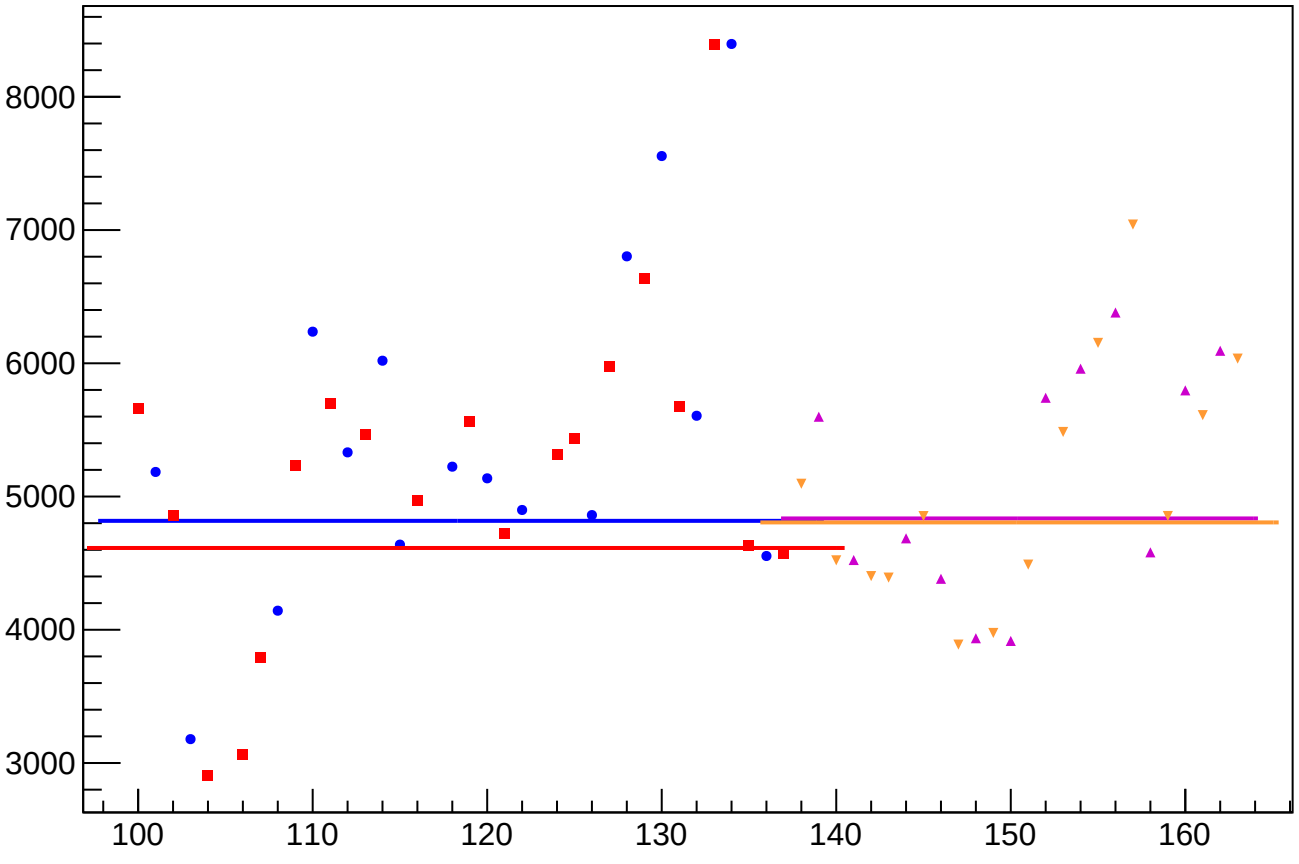
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -815.561+/-1528.128 χ^2/NDF:7.7/11

+ sign -58.508+/-1147.158 χ^2/NDF: 31.7/29

All: -17.193+/-814.060 χ^2/NDF: 56.3/60

- sign 24.718+/-1155.396 χ^2/NDF: 24.6/30



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

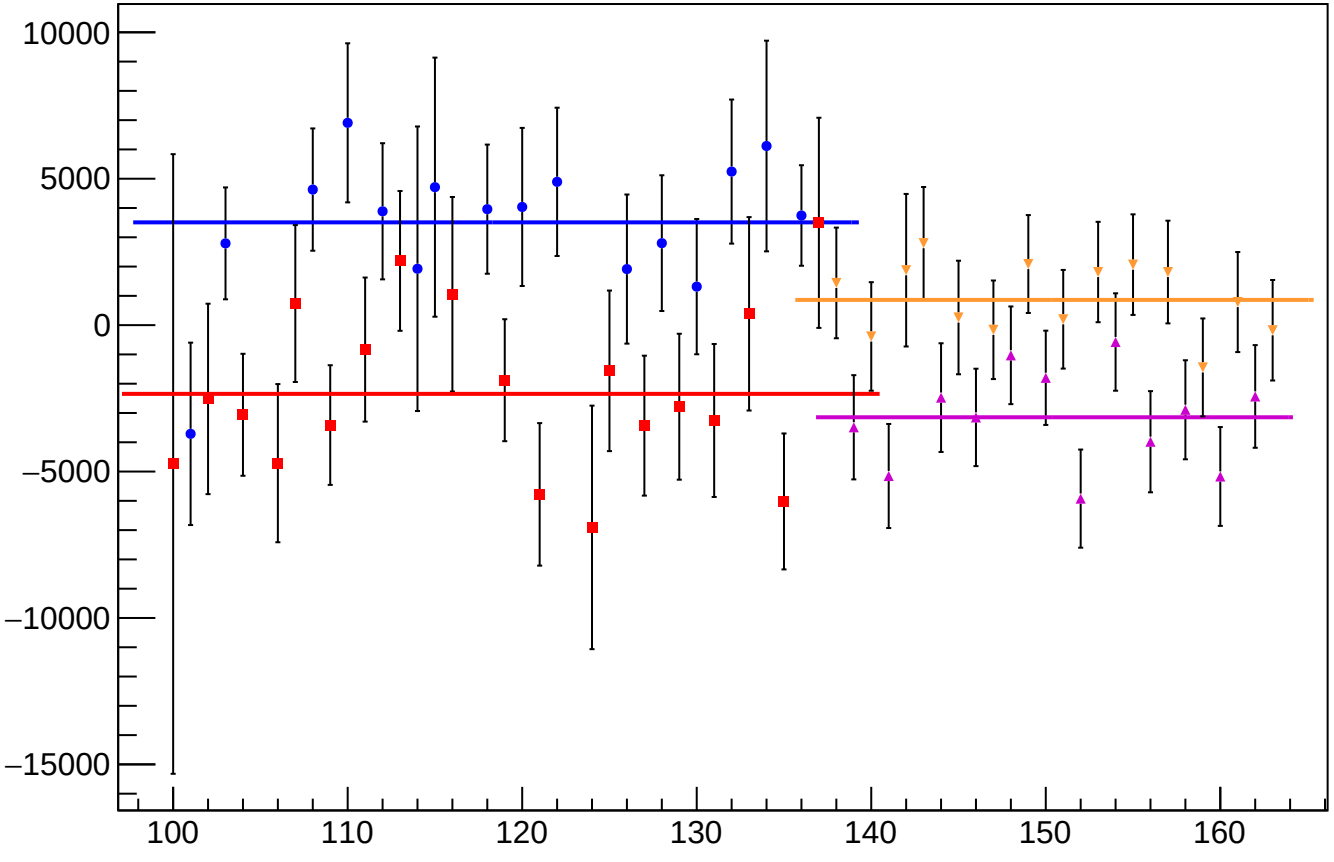
Left In: 4835.471+/-1.081 χ^2/NDF:566536.4/11

+ sign 4810.270+/-0.811 χ^2/NDF: 1370609.8/29

All: 4775.656+/-0.576 χ^2/NDF: 2936790.6/60

- sign 4740.543+/-0.817 χ^2/NDF: 1562512.8/30

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.901+/-478.661 χ^2/NDF:6.2/13

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

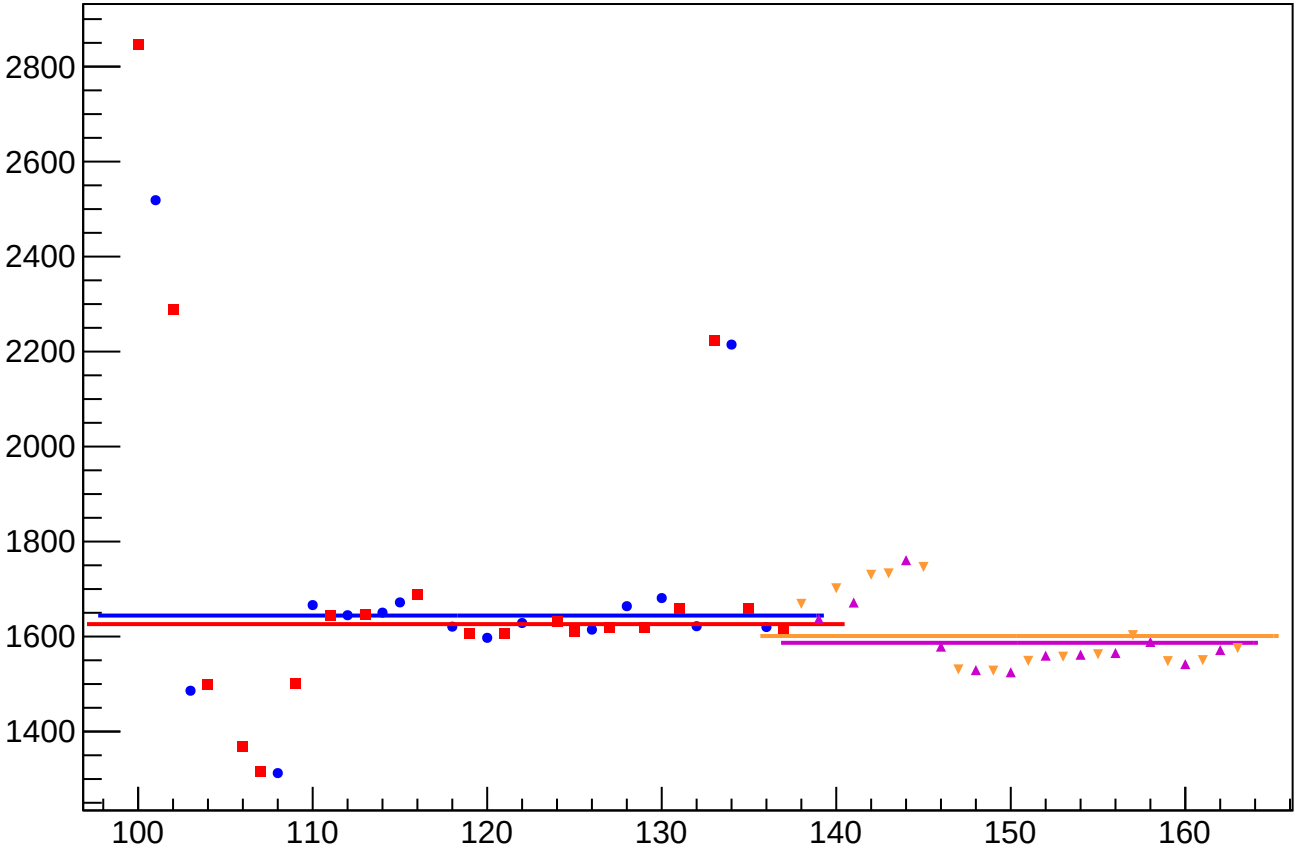
Left In: -3145.797+/-493.323 χ^2/NDF:10.7/11

+ sign 1857.216+/-378.133 χ^2/NDF: 28.1/29

All: -455.839+/-269.070 χ^2/NDF: 132.8/60

- sign -2828.313+/-382.959 χ^2/NDF: 28.9/30

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1601.104+/-0.338 χ^2/NDF:49795.6/13

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

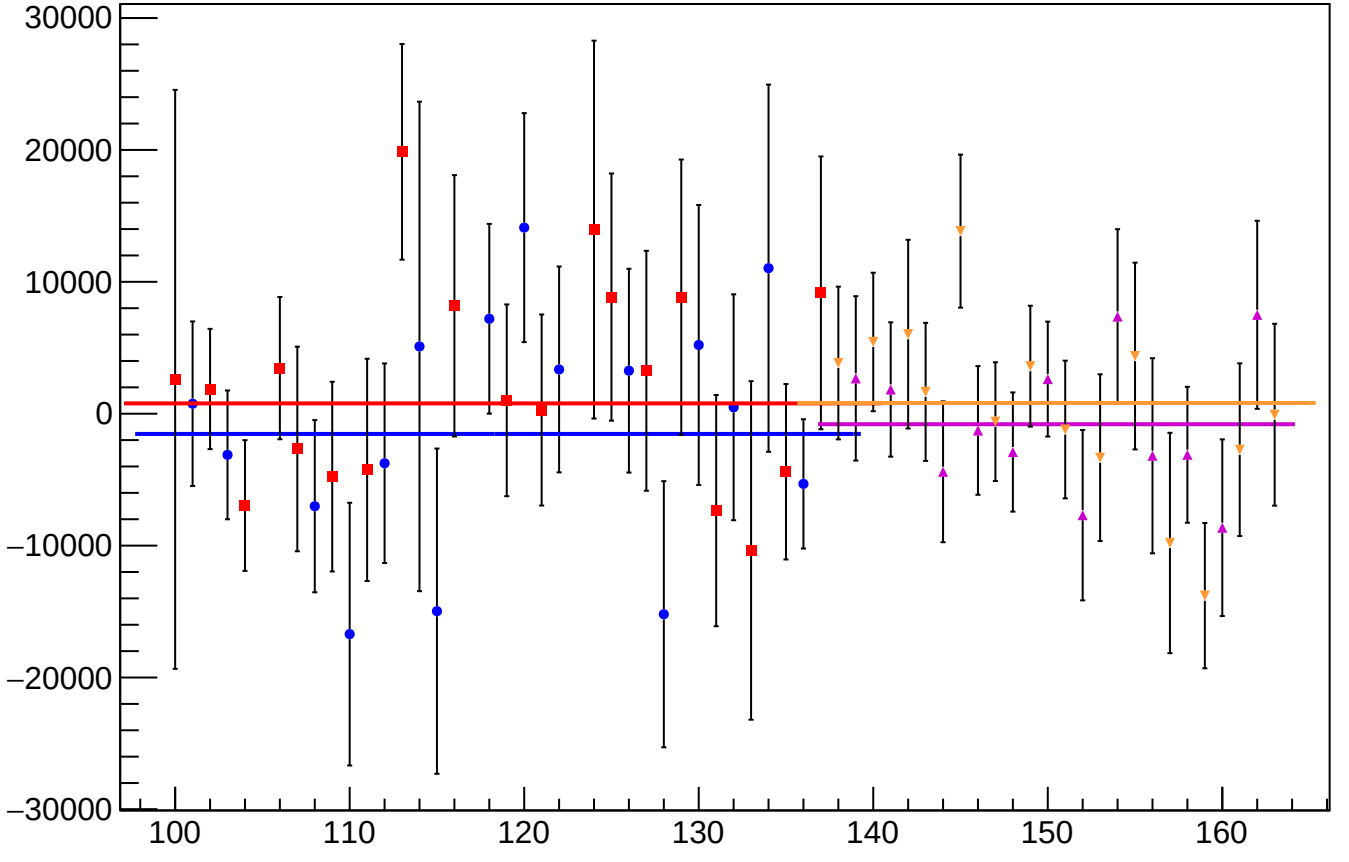
Left In: 1586.814+/-0.349 χ^2/NDF:31990.5/11

+ sign 1617.305+/-0.267 χ^2/NDF: 330707.7/29

All: 1609.980+/-0.190 χ^2/NDF: 606921.8/60

- sign 1602.472+/-0.271 χ^2/NDF: 274694.4/30

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 815.341+/-1538.968 χ^2/NDF:16.9/13

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

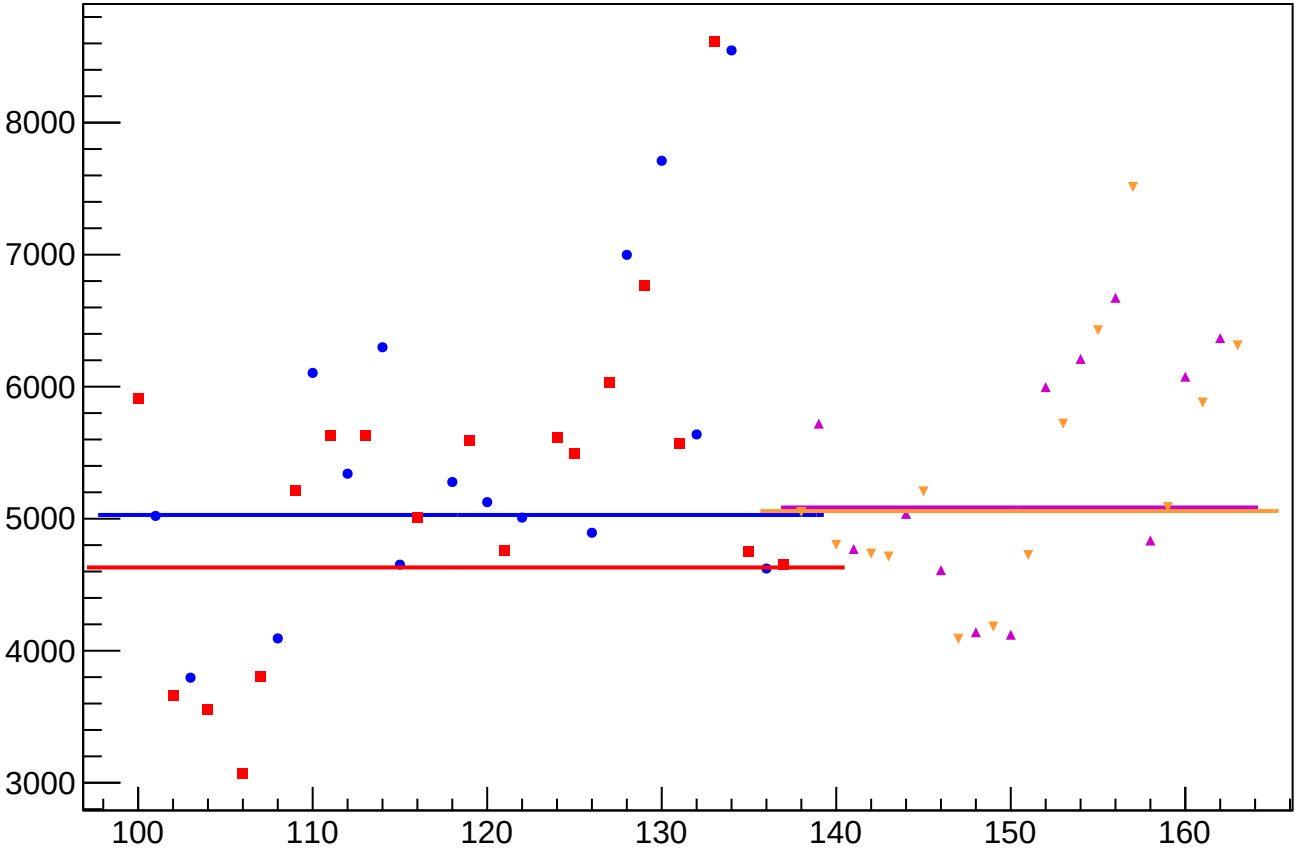
Left In: -795.678+/-1605.787 χ^2/NDF:7.6/11

\+ sign -106.515+/-1199.305 χ^2/NDF: 31.7/29

All: -89.448+/-842.113 χ^2/NDF: 54.8/60

\- sign -72.849+/-1182.723 χ^2/NDF: 23.1/30

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5057.907+/-1.088 χ^2/NDF:559603.1/13

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

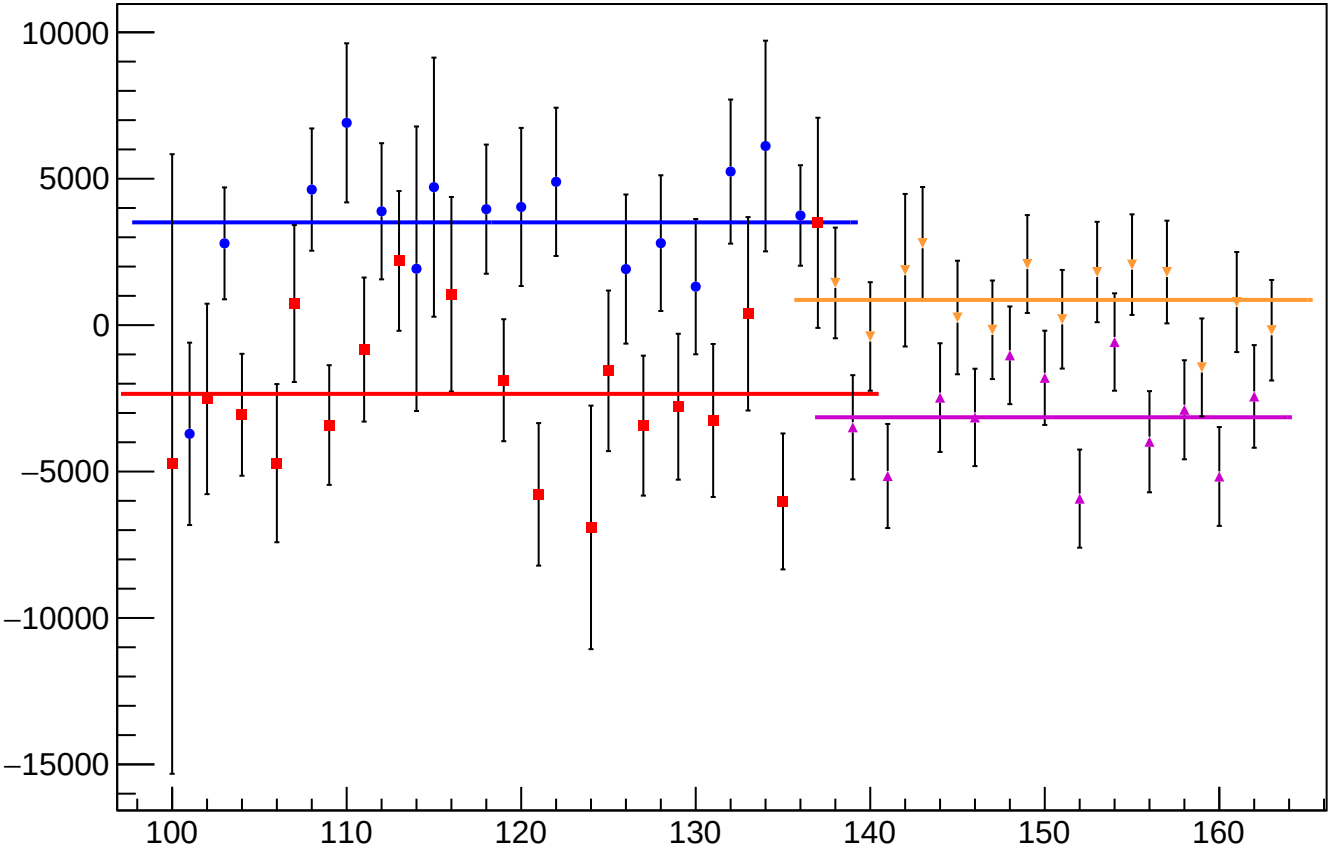
Left In: 5085.106+/-1.135 χ^2/NDF:535879.2/11

+ sign 5046.339+/-0.848 χ^2/NDF: 1125360.2/29

All: 4960.644+/-0.595 χ^2/NDF: 2618104.9/60

- sign 4877.302+/-0.836 χ^2/NDF: 1472602.4/30

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.889+/-478.661 χ^2/NDF:6.2/13

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

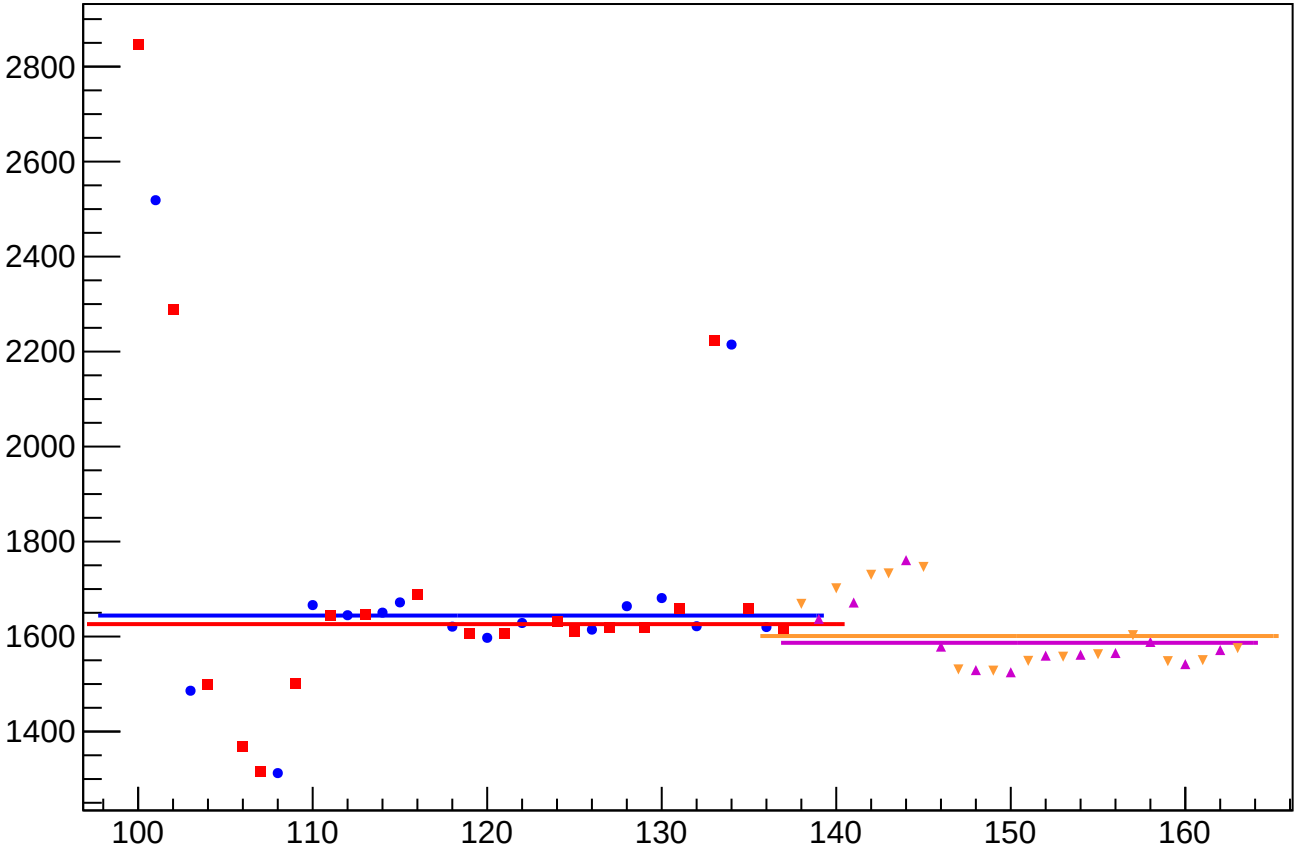
Left In: -3145.797+/-493.324 χ^2/NDF:10.7/11

+ sign 1857.210+/-378.133 χ^2/NDF: 28.1/29

All: -455.842+/-269.071 χ^2/NDF: 132.8/60

- sign -2828.315+/-382.959 χ^2/NDF: 28.9/30

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1601.106+/-0.338 χ^2/NDF:49795.5/13

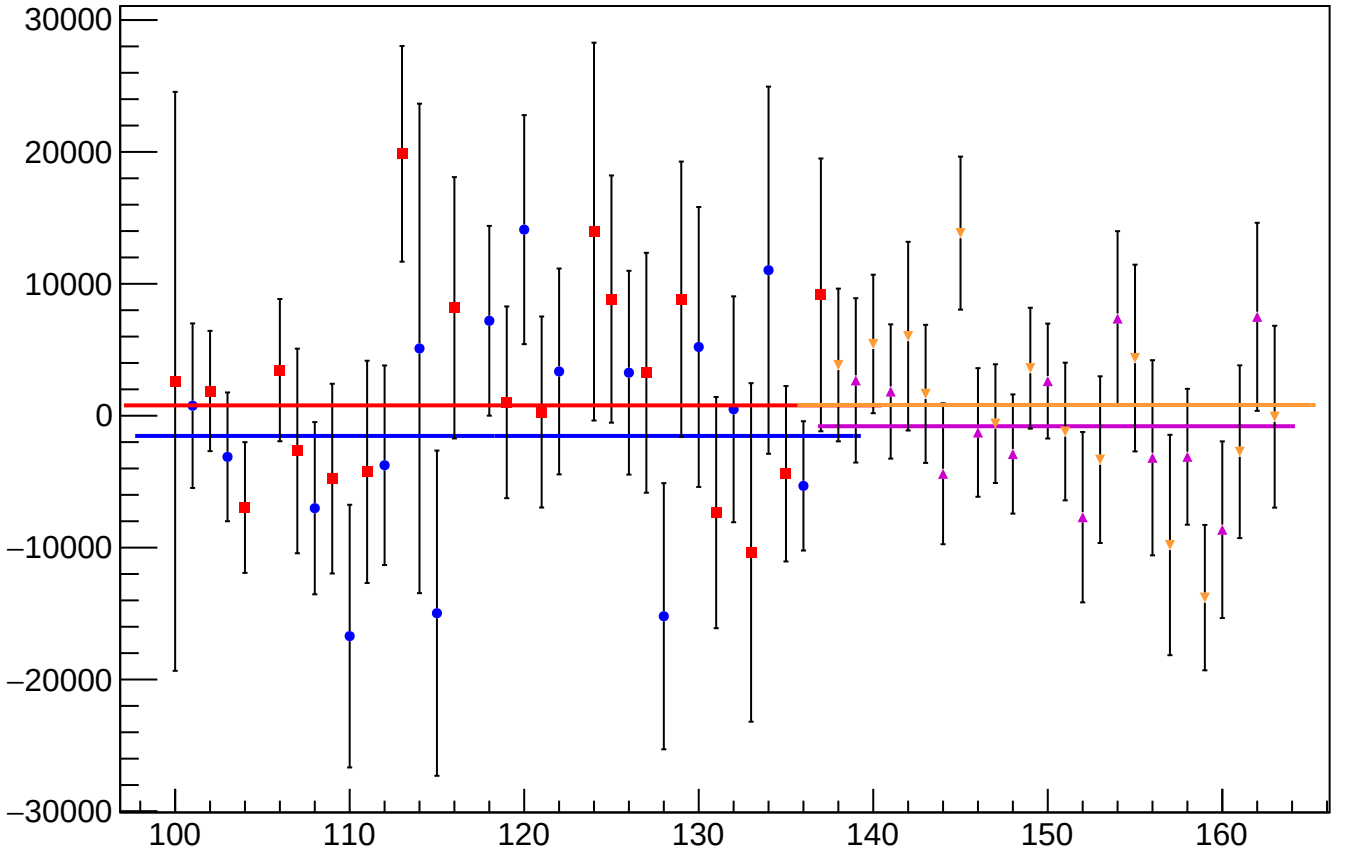
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1586.815+/-0.349 χ^2/NDF:31990.4/11

+ sign 1617.305+/-0.267 χ^2/NDF: 330707.2/29

All: 1609.980+/-0.190 χ^2/NDF: 606920.4/60

- sign 1602.472+/-0.271 χ^2/NDF: 274693.4/30



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 815.336+/-1538.971 χ^2/NDF:16.9/13

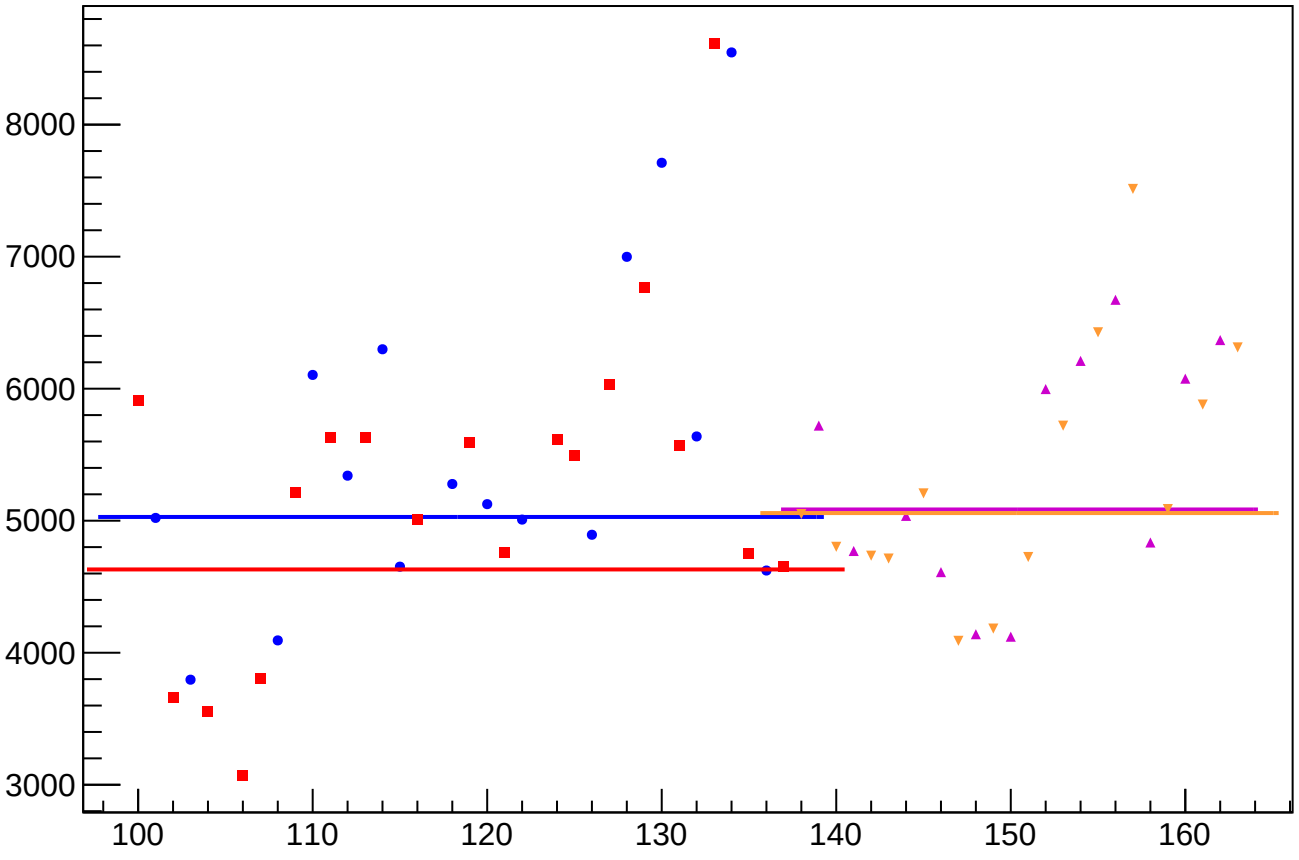
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -795.679+/-1605.790 χ^2/NDF:7.6/11

+ sign -106.515+/-1199.305 χ^2/NDF: 31.7/29

All: -89.447+/-842.113 χ^2/NDF: 54.8/60

- sign -72.847+/-1182.724 χ^2/NDF: 23.1/30



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5057.915+/-1.088 χ^2/NDF:559603.9/13

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

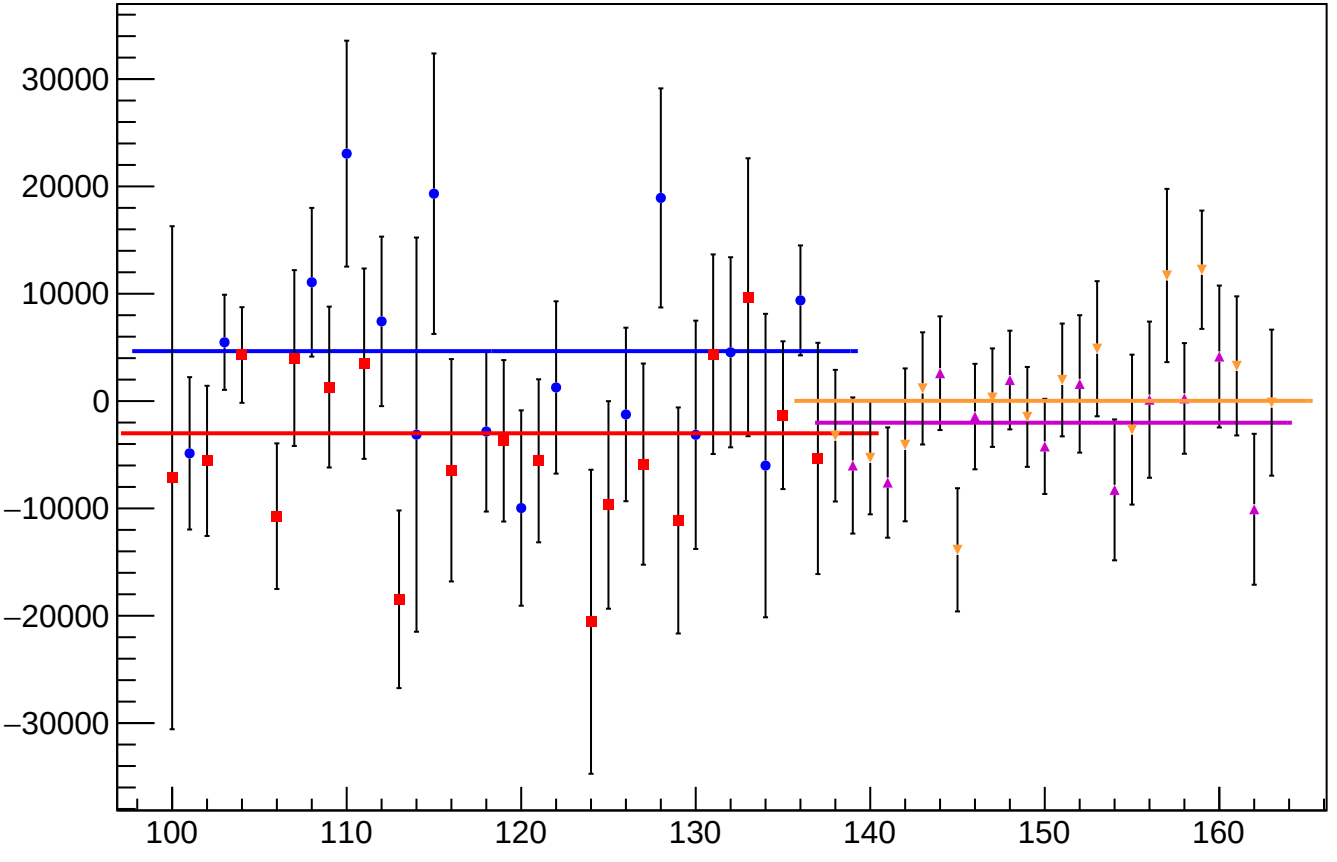
Left In: 5085.114+/-1.135 χ^2/NDF:535878.8/11

+ sign 5046.341+/-0.848 χ^2/NDF: 1125355.0/29

All: 4960.645+/-0.595 χ^2/NDF: 2618098.4/60

- sign 4877.303+/-0.836 χ^2/NDF: 1472600.7/30

asym_usr_atr2_avg_mean vs Slug



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 23.047+/-1545.409 χ^2/NDF:15.8/13

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

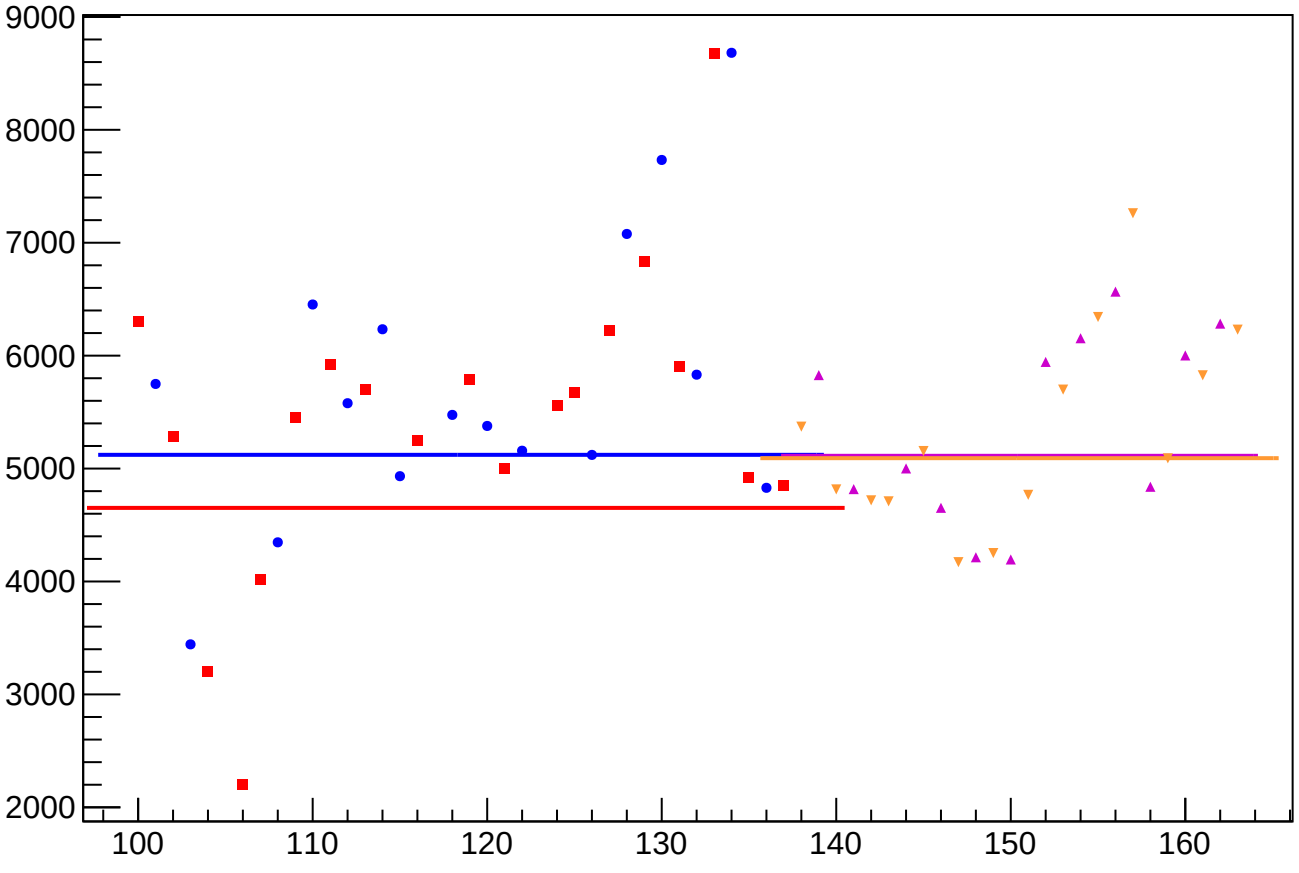
Left In: -2014.621+/-1611.186 χ^2/NDF:7.0/11

+ sign 1799.718+/-1213.197 χ^2/NDF: 34.7/29

All: -296.903+/-861.709 χ^2/NDF: 61.8/60

- sign -2431.578+/-1224.158 χ^2/NDF: 21.1/30

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5092.041+/-1.093 χ^2/NDF:488257.4/13

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

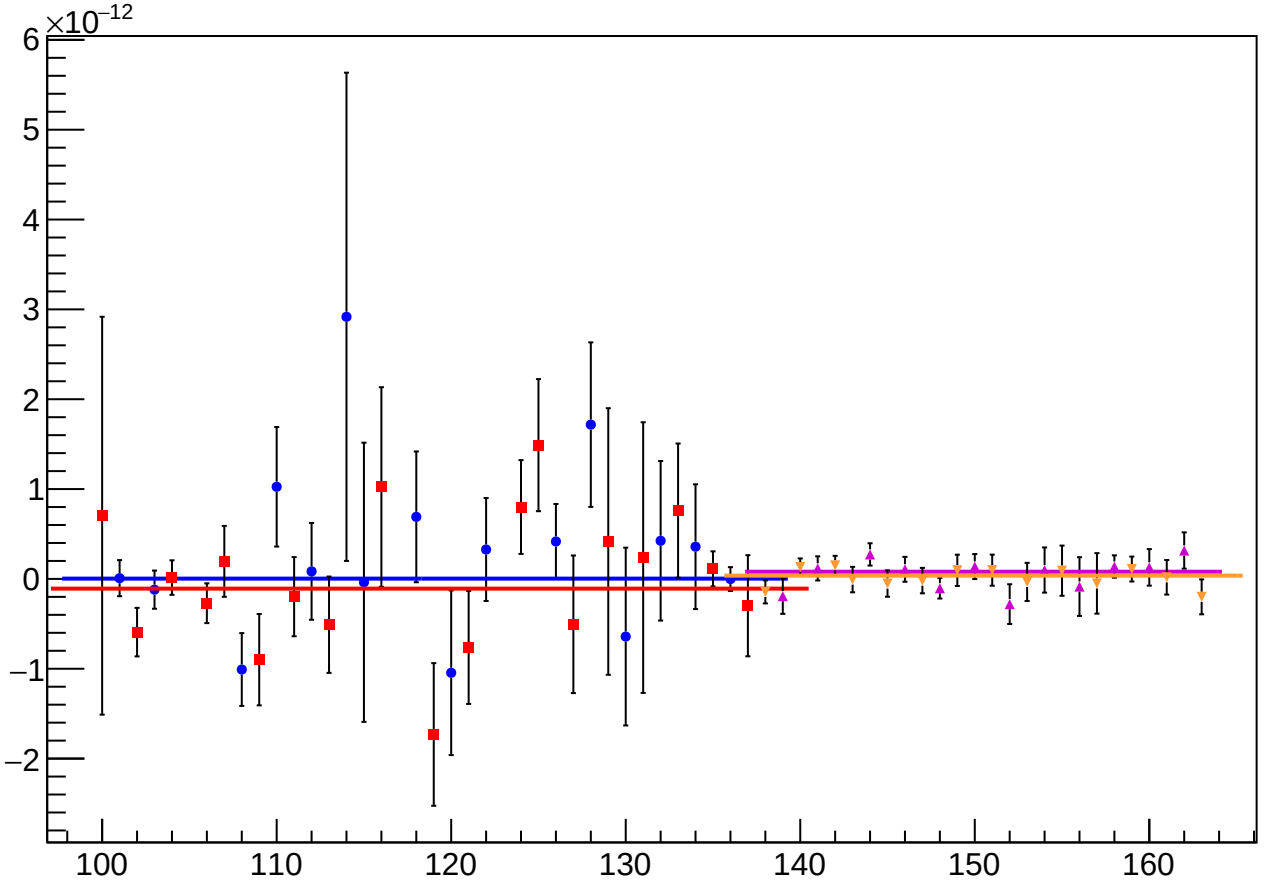
Left In: 5112.948+/-1.139 χ^2/NDF:473798.1/11

+ sign 5103.400+/-0.858 χ^2/NDF: 1208909.1/29

All: 5005.502+/-0.604 χ^2/NDF: 3125840.1/60

- sign 4909.137+/-0.851 χ^2/NDF: 1891088.7/30

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:7.0/13

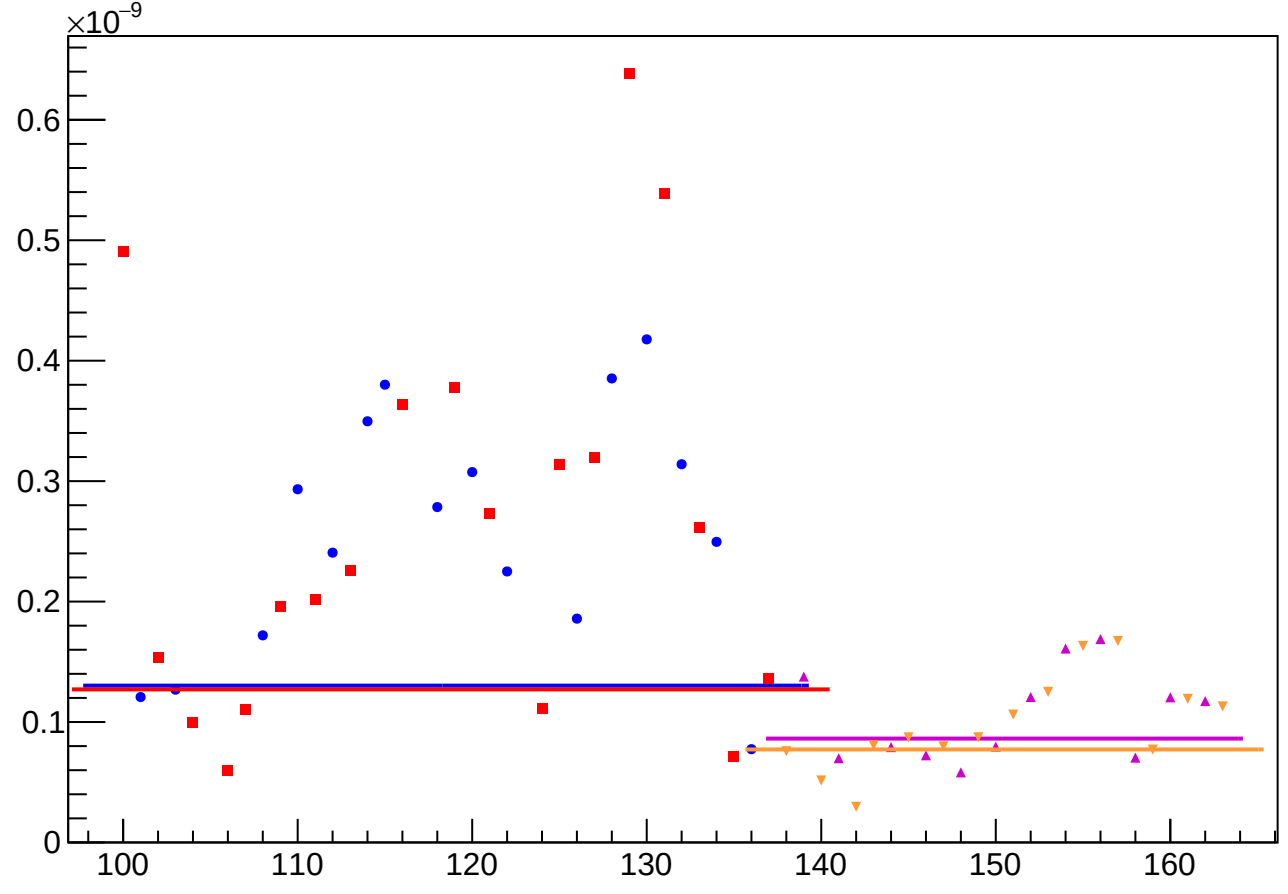
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/29

All: 0.000+/-0.000 χ^2/NDF: 65.5/60

- sign 0.000+/-0.000 χ^2/NDF: 40.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1216594.1/13

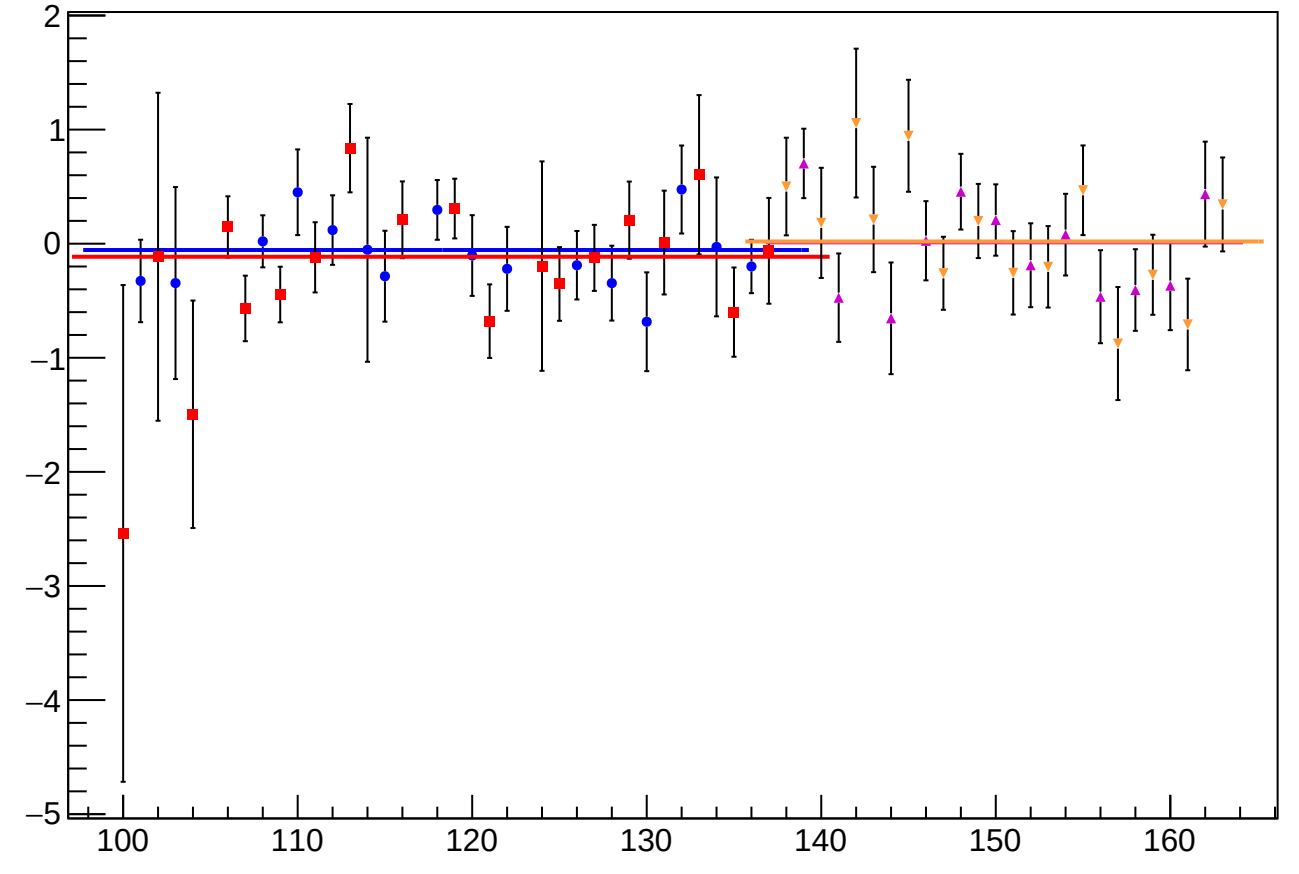
Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:805636.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 3163349.9/29

All: 0.000+/-0.000 χ^2/NDF: 6076882.1/60

- sign 0.000+/-0.000 χ^2/NDF: 2870519.4/30



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.019+/-0.108 χ^2/NDF:18.8/13

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

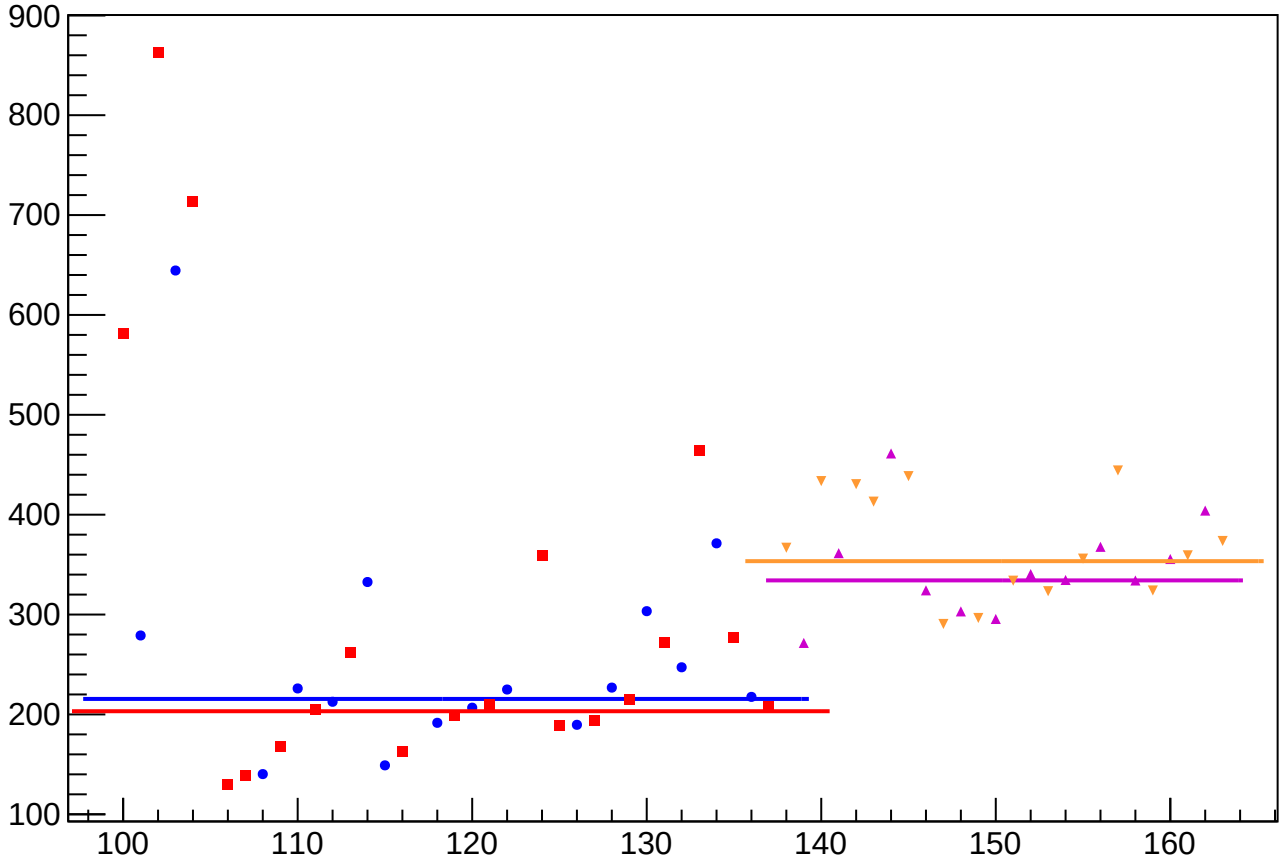
Left In: 0.012+/-0.106 χ^2/NDF:15.6/11

\+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.047+/-0.047 χ^2/NDF: 71.7/60

\- sign -0.066+/-0.065 χ^2/NDF: 41.7/30

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: 353.466+/-0.076 χ^2/NDF:423377.4/13

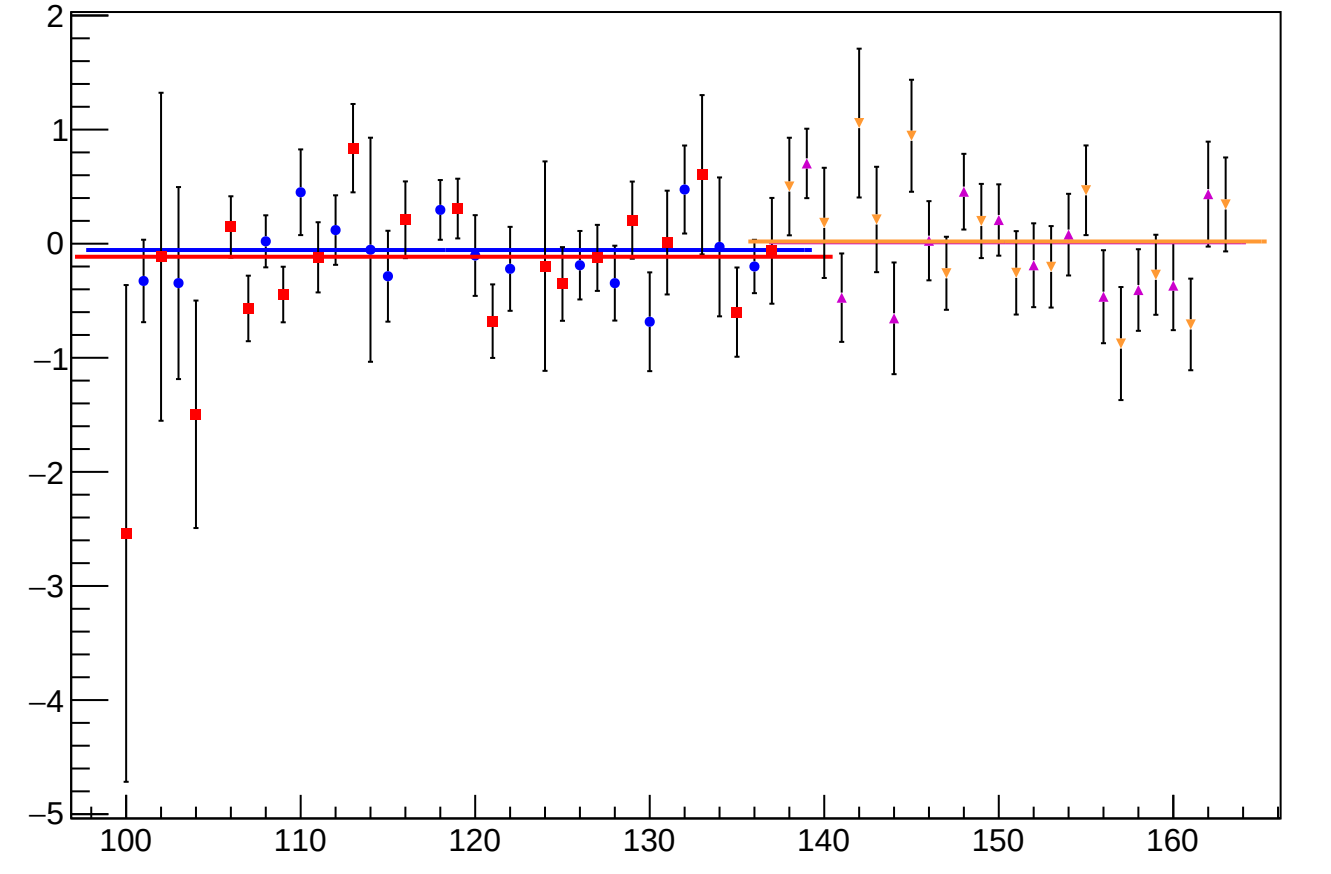
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 334.202+/-0.075 χ^2/NDF:345468.5/11

+ sign 268.849+/-0.047 χ^2/NDF: 3586237.7/29

All: 260.922+/-0.033 χ^2/NDF: 7719593.2/60

- sign 253.363+/-0.046 χ^2/NDF: 4078569.1/30



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.019+/-0.108 χ^2/NDF:18.8/13

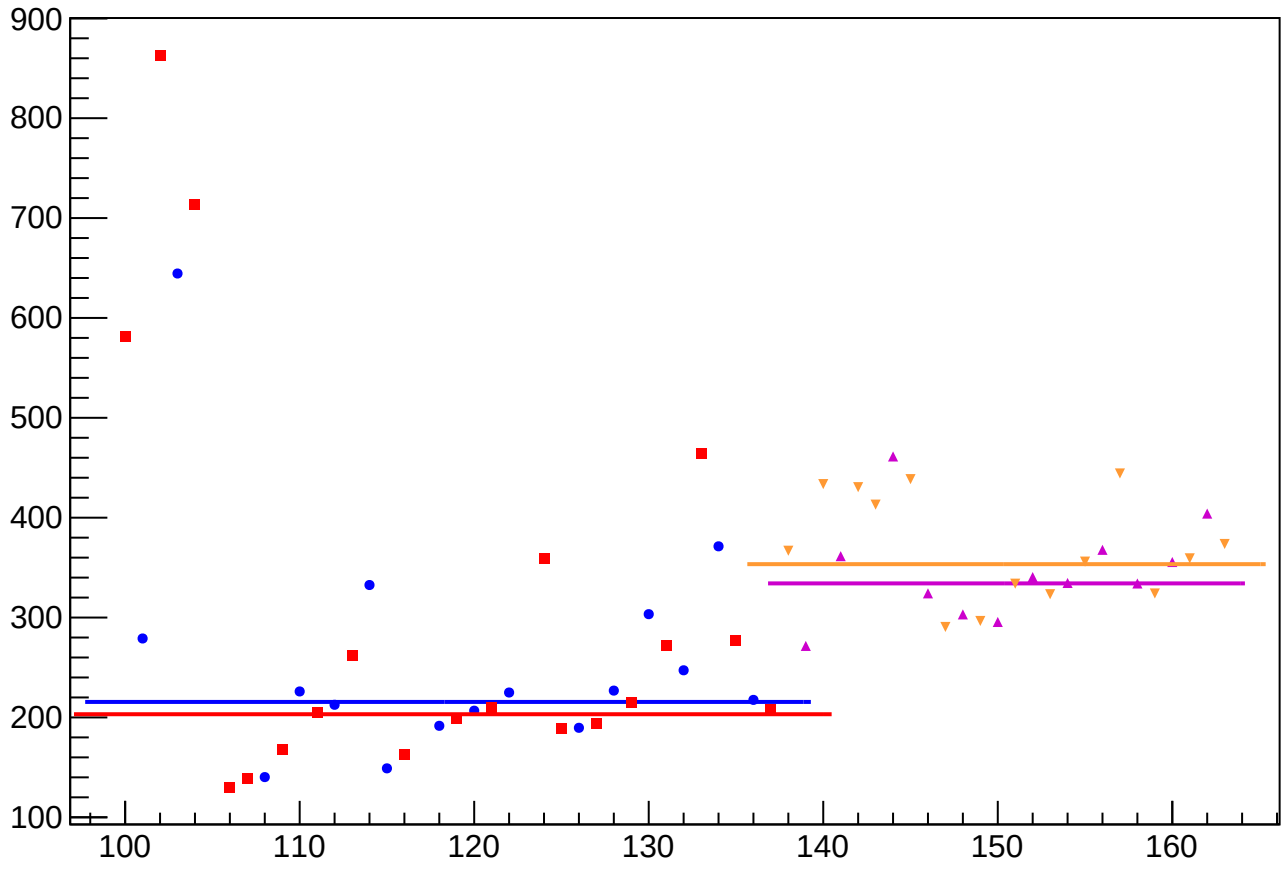
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.012+/-0.106 χ^2/NDF:15.6/11

\+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.047+/-0.047 χ^2/NDF: 71.7/60

\- sign -0.066+/-0.065 χ^2/NDF: 41.7/30



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 353.466+/-0.076 χ^2/NDF:423377.4/13

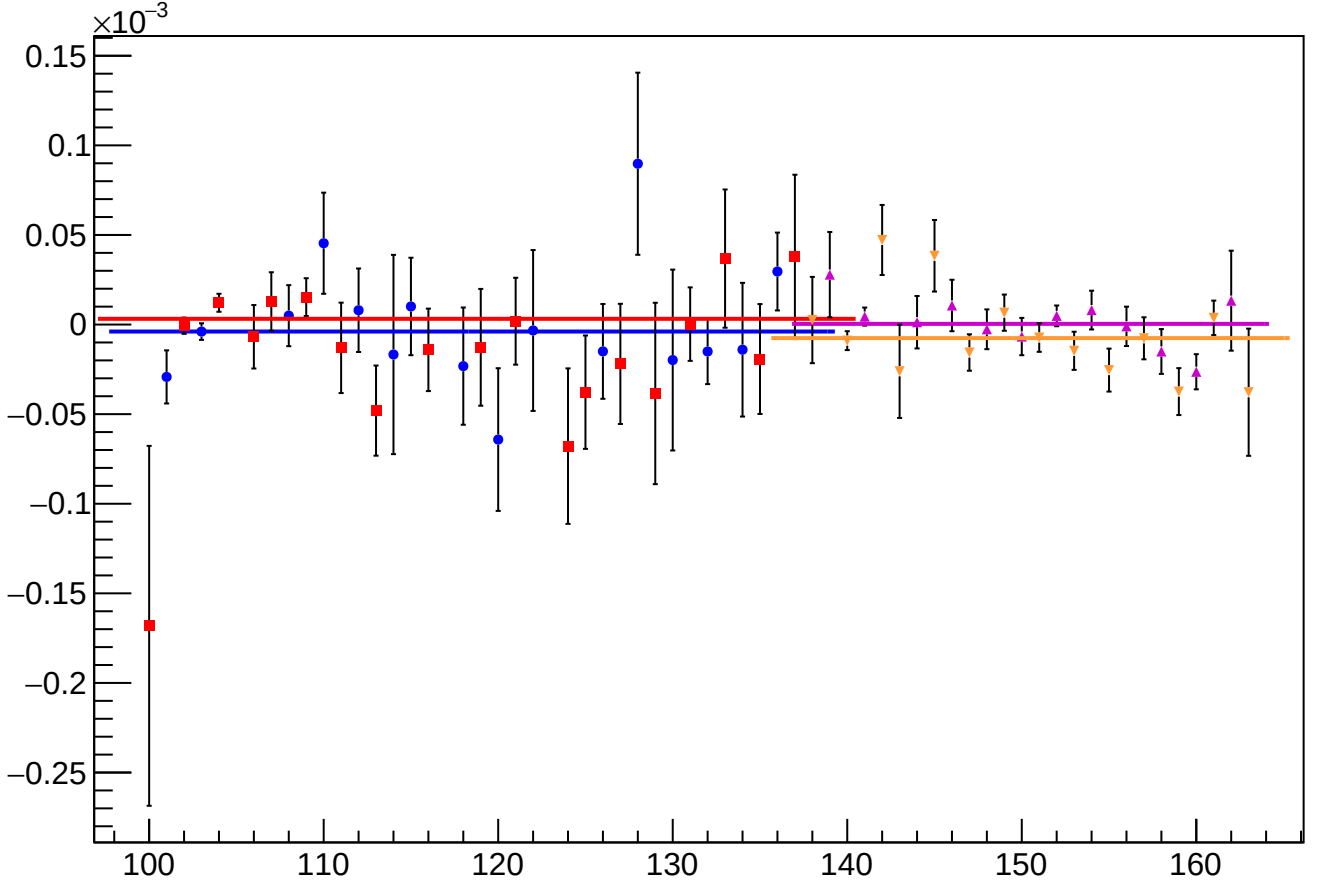
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 334.202+/-0.075 χ^2/NDF:345468.5/11

+ sign 268.849+/-0.047 χ^2/NDF: 3586237.7/29

All: 260.922+/-0.033 χ^2/NDF: 7719593.2/60

- sign 253.363+/-0.046 χ^2/NDF: 4078569.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/13

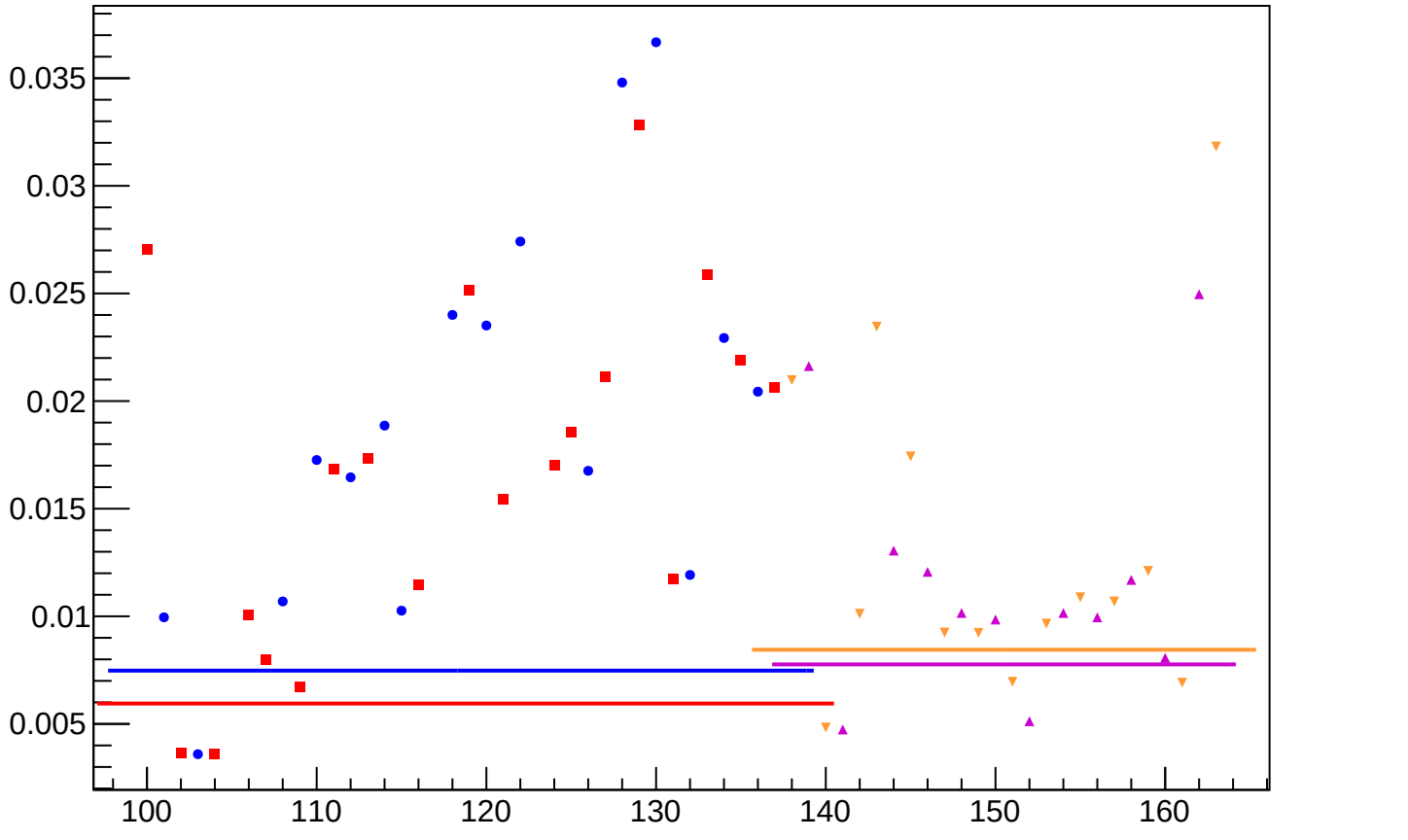
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/29

All: -0.000+/-0.000 χ^2/NDF: 85.2/60

- sign 0.000+/-0.000 χ^2/NDF: 35.4/30



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:3916117.6/13

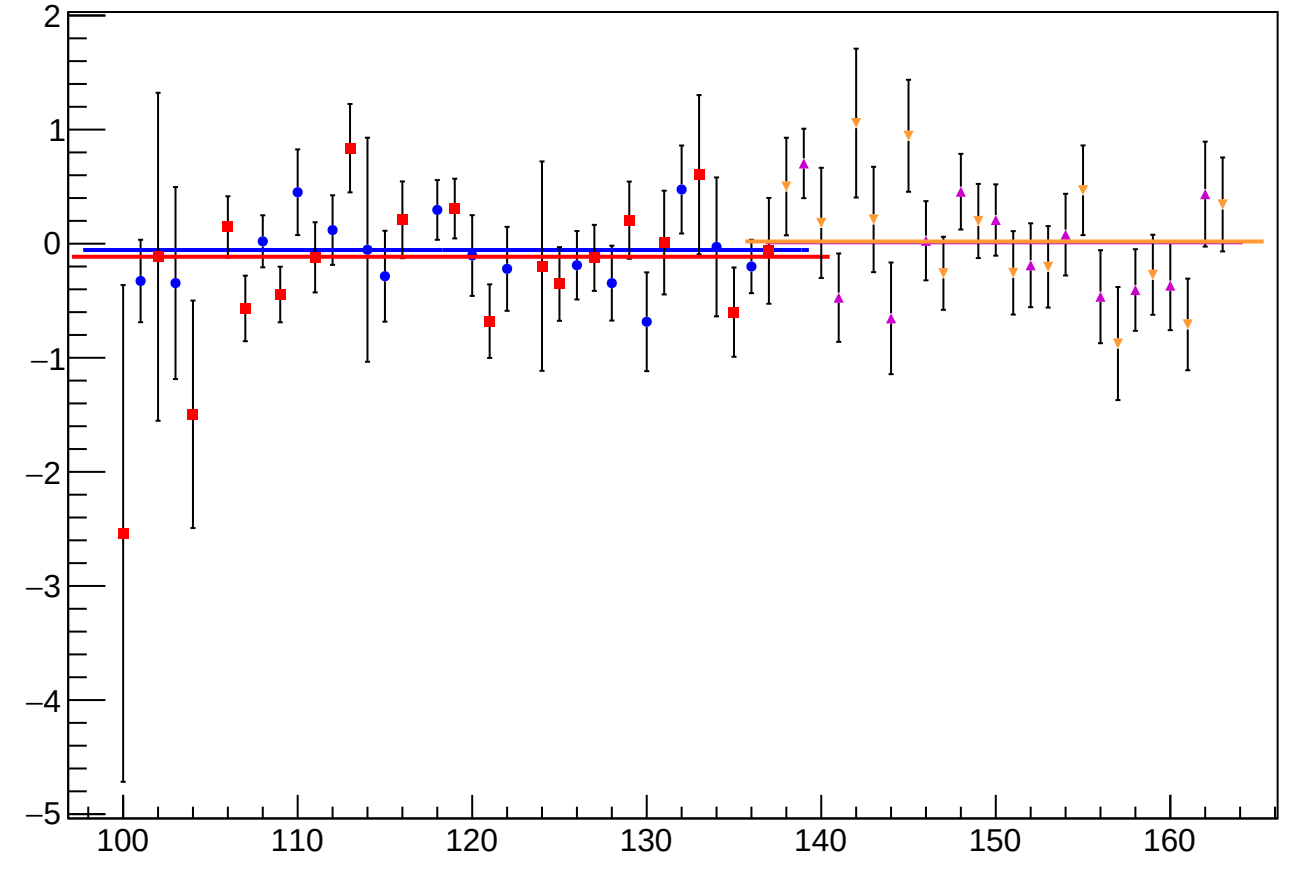
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:3562066.0/11

+ sign 0.008+/-0.000 χ^2/NDF: 10075433.2/29

All: 0.007+/-0.000 χ^2/NDF: 20290422.2/60

- sign 0.007+/-0.000 χ^2/NDF: 9911115.0/30



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.019+/-0.108 χ^2/NDF:18.8/13

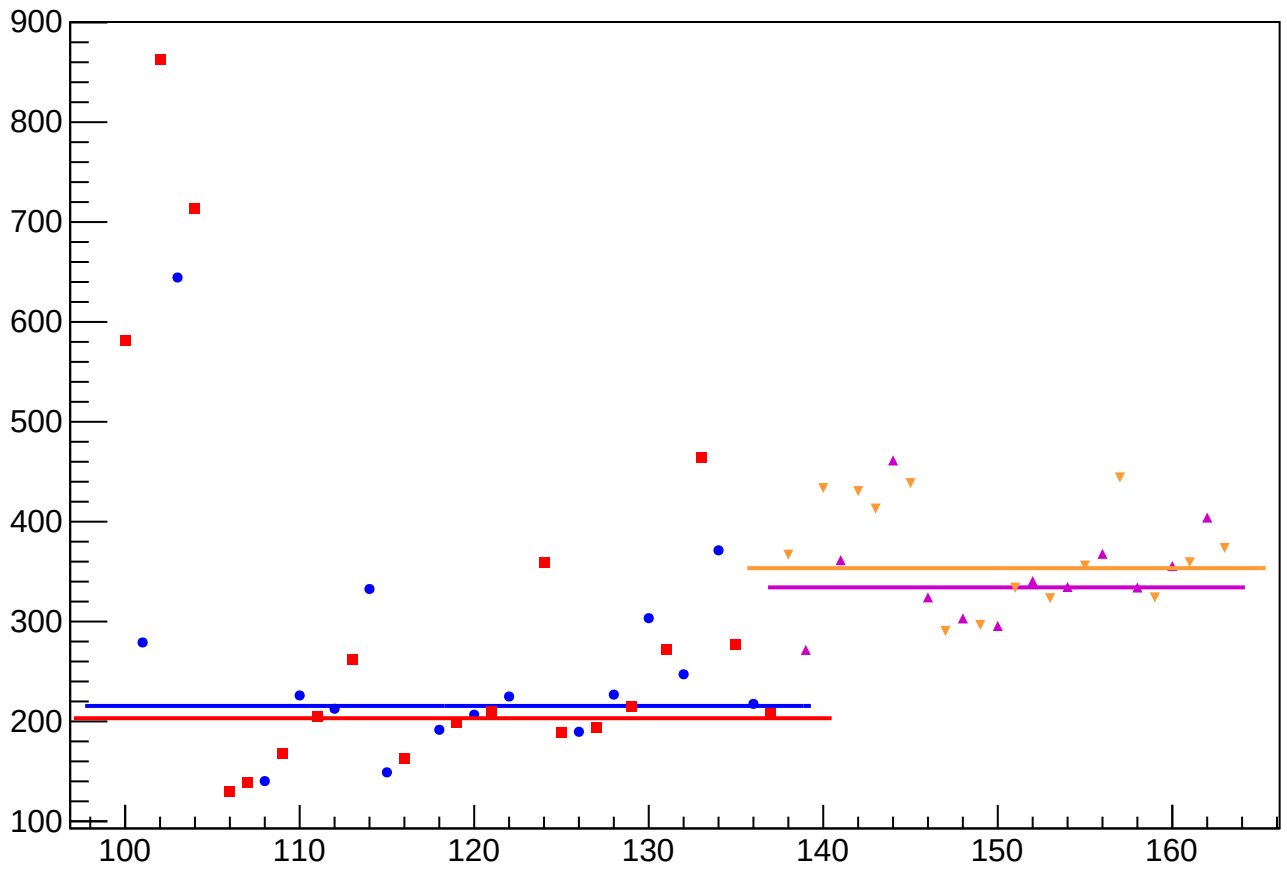
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.012+/-0.106 χ^2/NDF:15.6/11

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.047+/-0.047 χ^2/NDF: 71.7/60

- sign -0.066+/-0.065 χ^2/NDF: 41.7/30



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 353.472+/-0.076 χ^2/NDF:423372.0/13

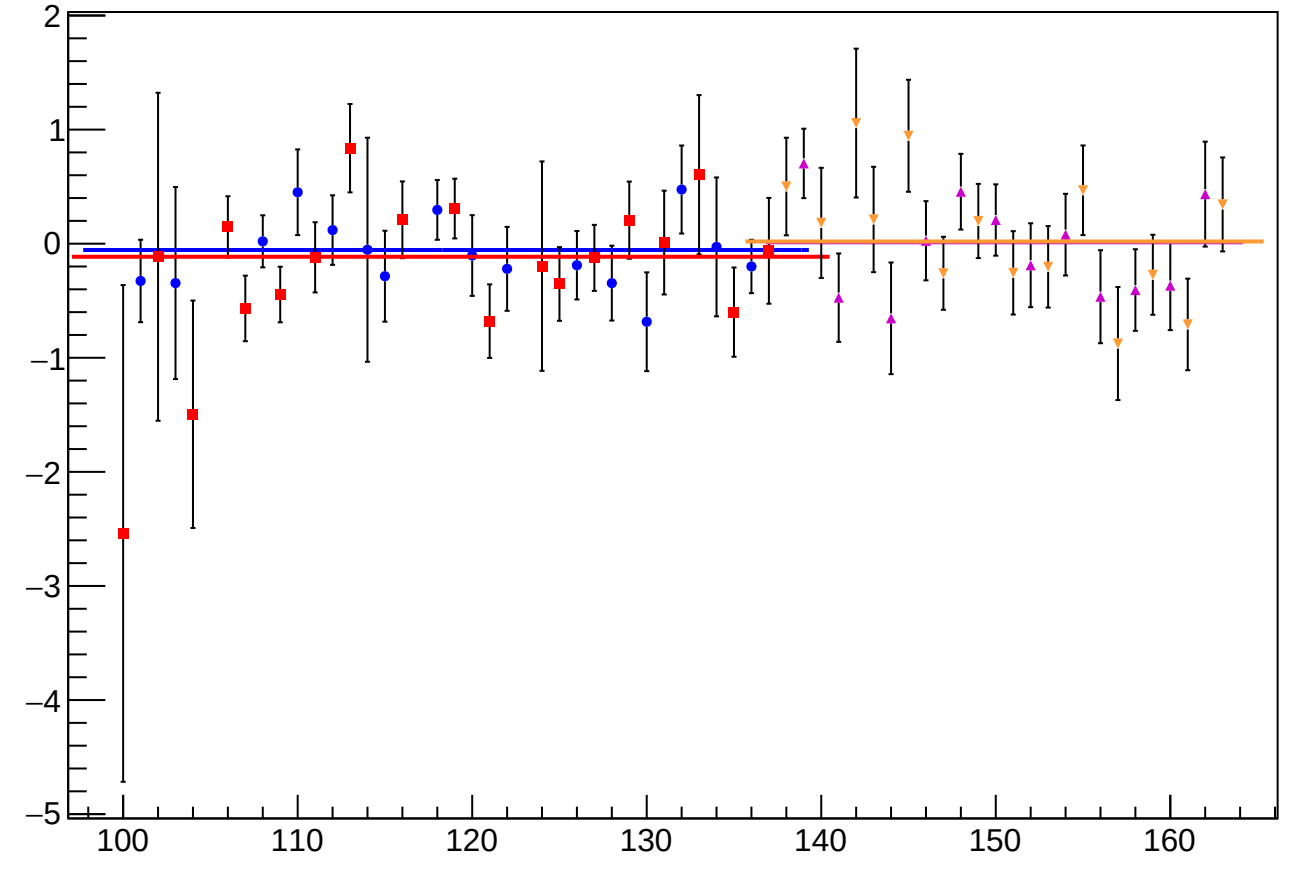
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 334.208+/-0.075 χ^2/NDF:345464.6/11

+ sign 268.849+/-0.047 χ^2/NDF: 3586386.1/29

All: 260.922+/-0.033 χ^2/NDF: 7719894.1/60

- sign 253.363+/-0.046 χ^2/NDF: 4078718.9/30



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.019+/-0.108 χ^2/NDF:18.8/13

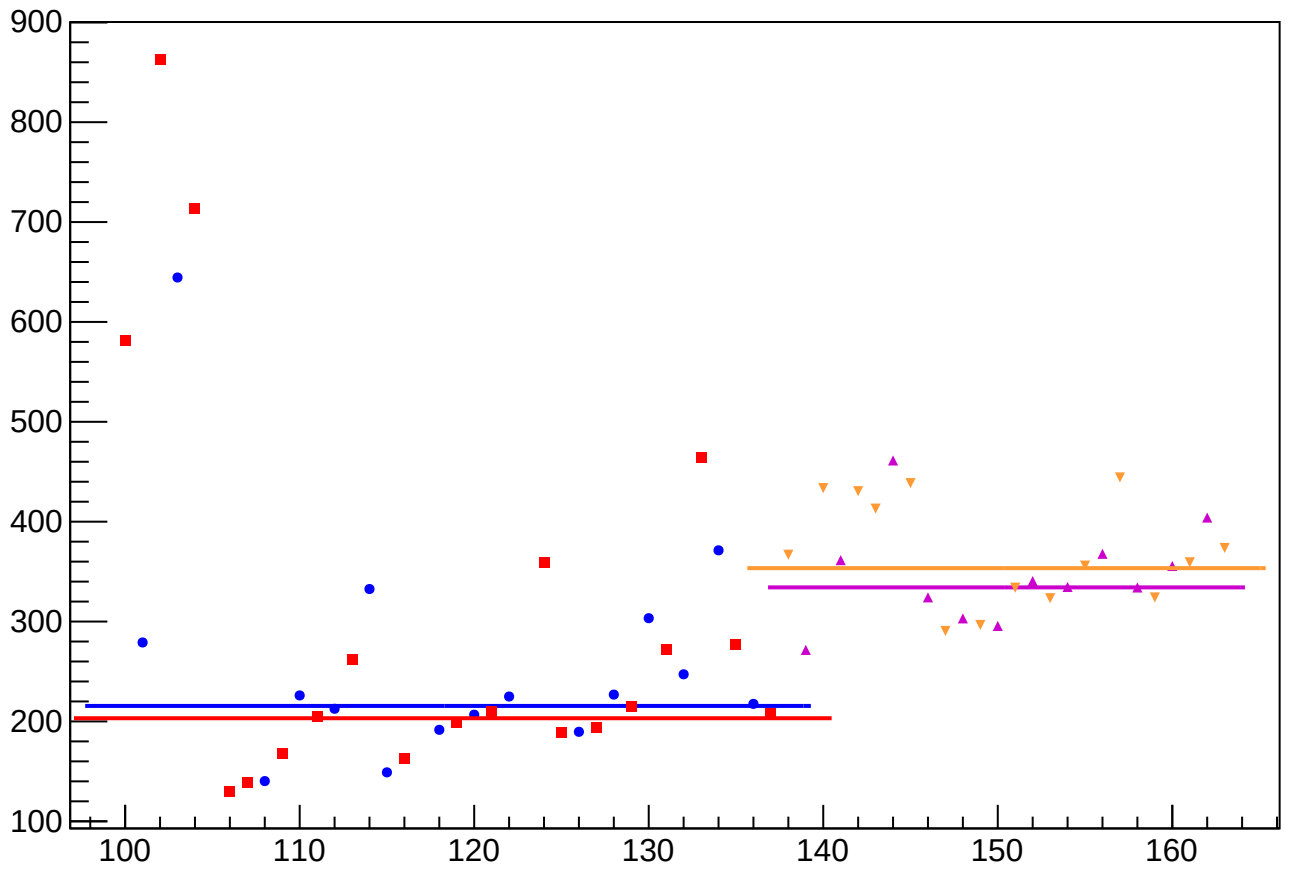
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.012+/-0.106 χ^2/NDF:15.6/11

+ sign -0.027+/-0.067 χ^2/NDF: 29.8/29

All: -0.047+/-0.047 χ^2/NDF: 71.7/60

- sign -0.066+/-0.065 χ^2/NDF: 41.7/30



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 353.472+/-0.076 χ^2/NDF:423372.0/13

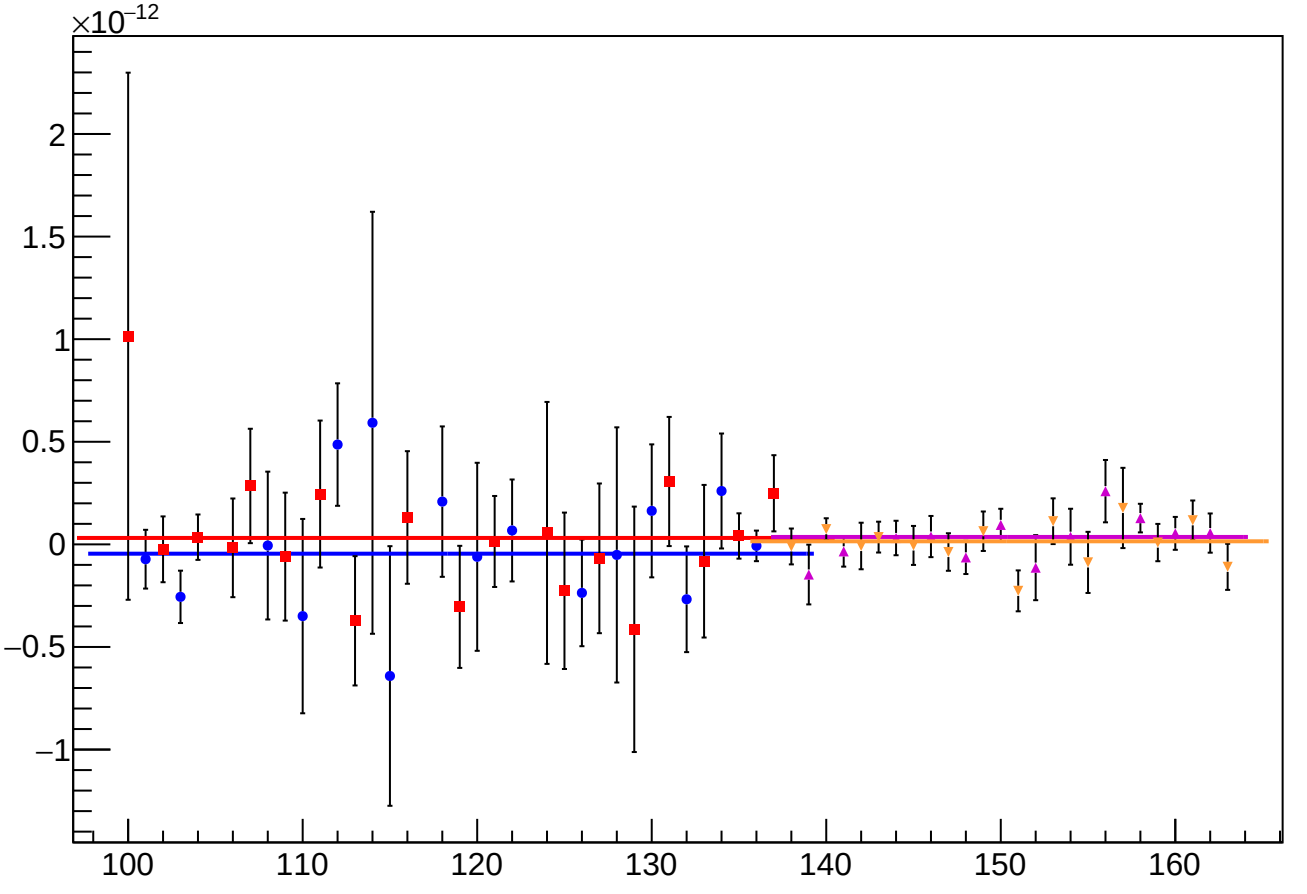
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 334.208+/-0.075 χ^2/NDF:345464.6/11

+ sign 268.849+/-0.047 χ^2/NDF: 3586386.1/29

All: 260.922+/-0.033 χ^2/NDF: 7719894.1/60

- sign 253.363+/-0.046 χ^2/NDF: 4078718.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

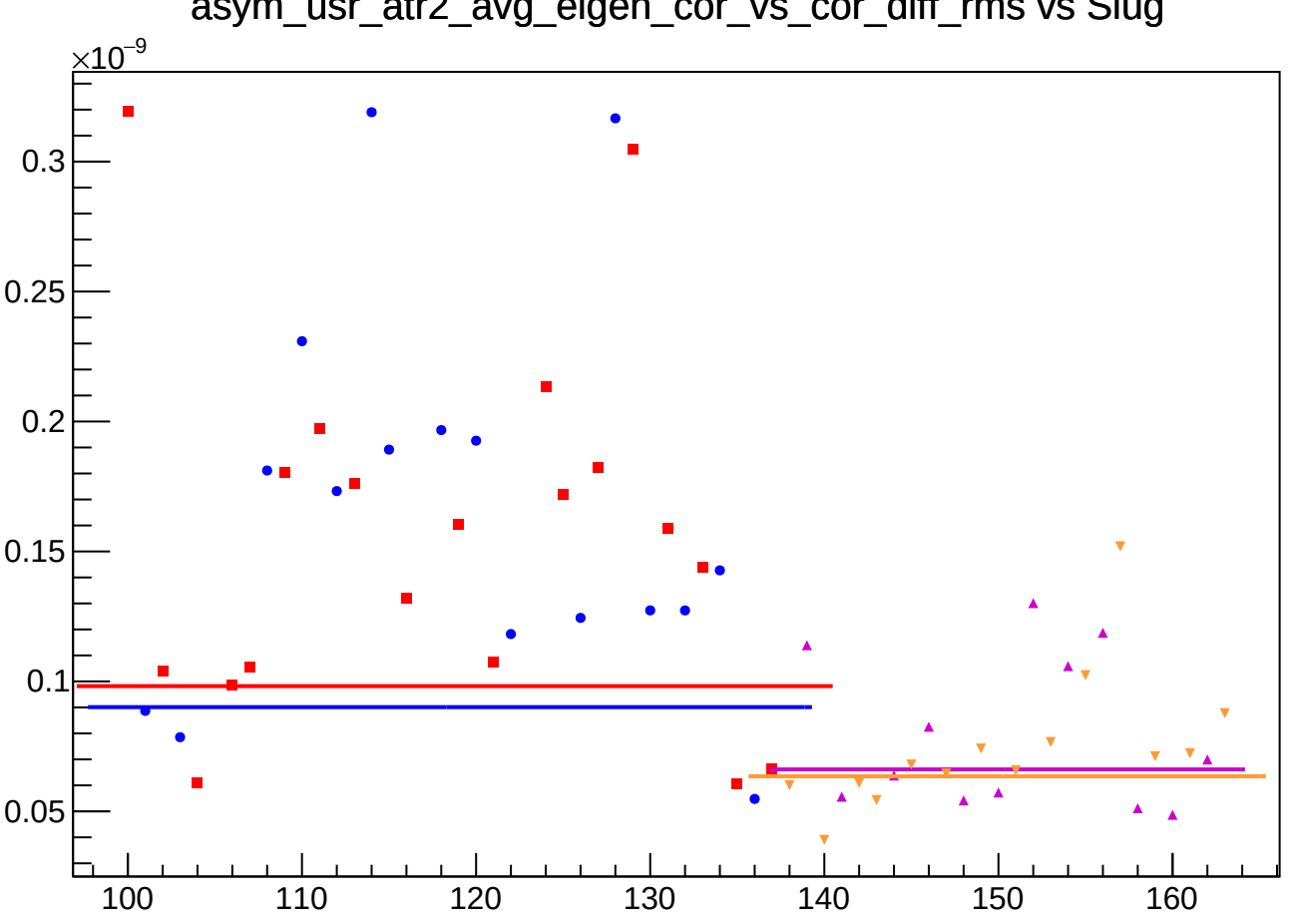
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/29

All: 0.000+/-0.000 χ^2/NDF: 43.6/60

- sign 0.000+/-0.000 χ^2/NDF: 17.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187415.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

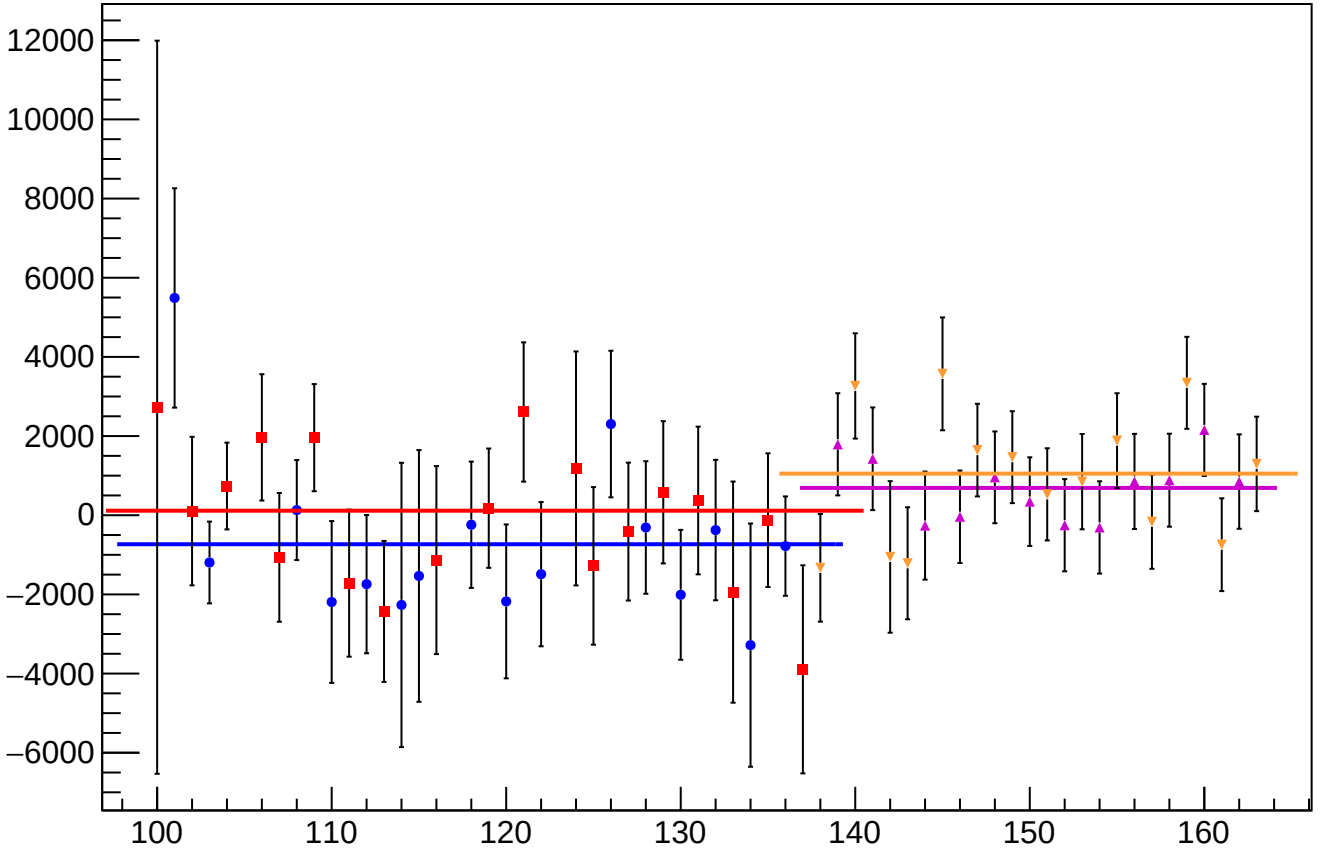
Left In: 0.000+/-0.000 χ^2/NDF:1304341.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 3451059.5/29

All: 0.000+/-0.000 χ^2/NDF: 7081393.0/60

- sign 0.000+/-0.000 χ^2/NDF: 3598043.1/30

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1051.360+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

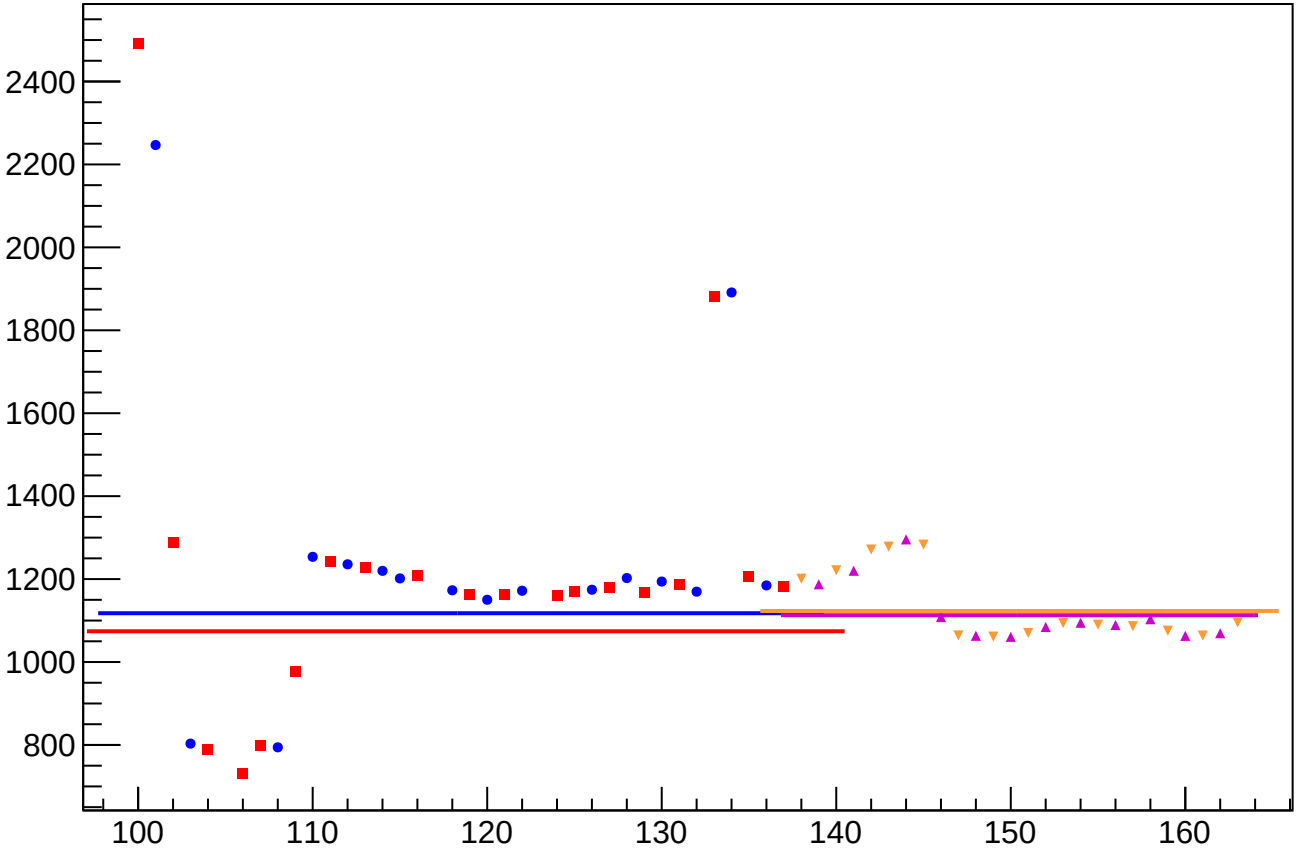
Left In: 689.898+/-346.317 χ^2/NDF:5.1/11

\+ sign 369.418+/-264.230 χ^2/NDF: 43.6/29

All: 410.352+/-187.093 χ^2/NDF: 63.1/60

\- sign 451.510+/-264.951 χ^2/NDF: 19.4/30

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

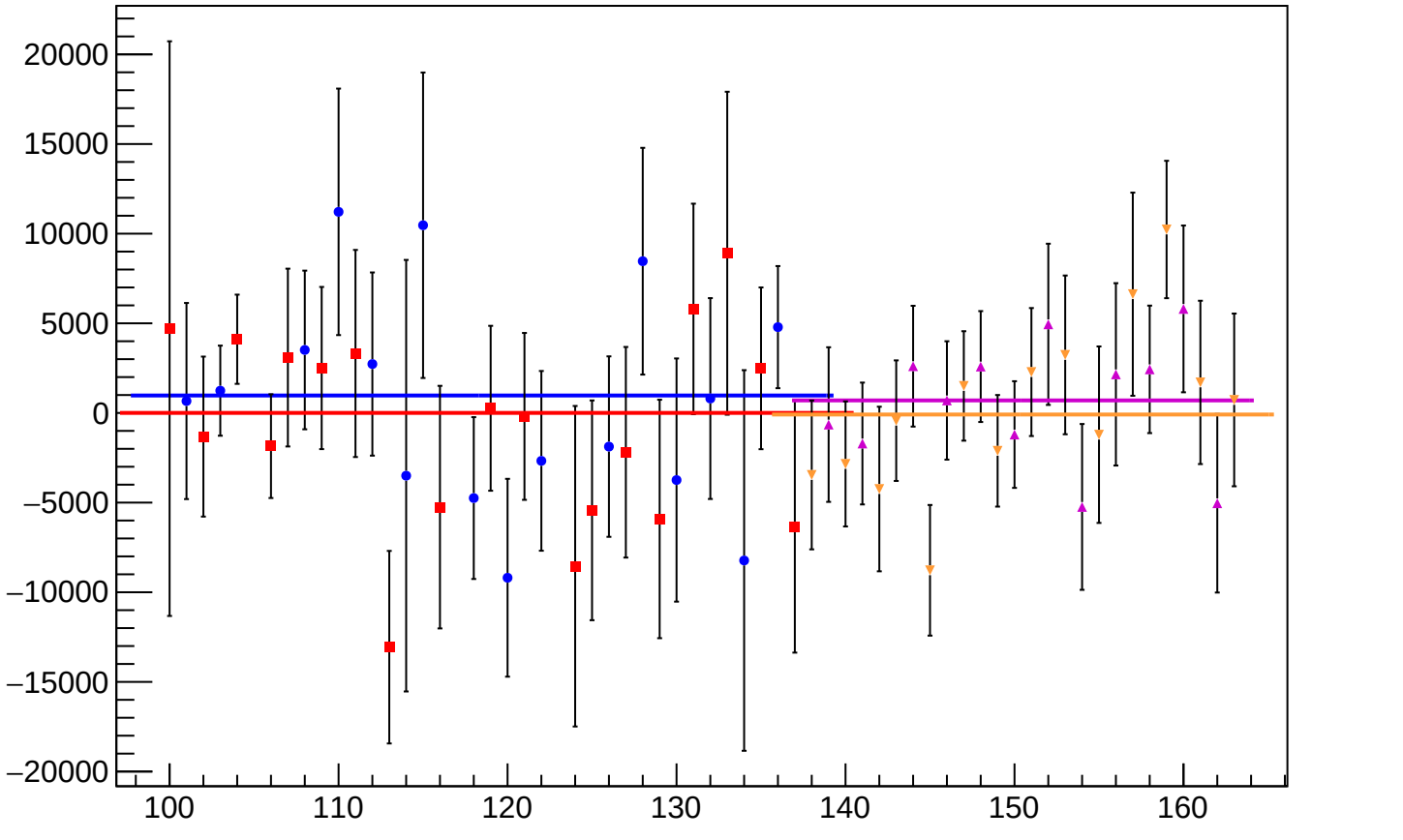
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

+ sign 1120.982+/-0.187 χ^2/NDF: 927727.2/29

All: 1108.807+/-0.132 χ^2/NDF: 1669328.2/60

- sign 1096.650+/-0.187 χ^2/NDF: 733114.8/30



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -86.998+/-1040.566 χ^2/NDF:18.4/13

Right Out: 2.885+/-1113.897 χ^2/NDF: 16.6/18

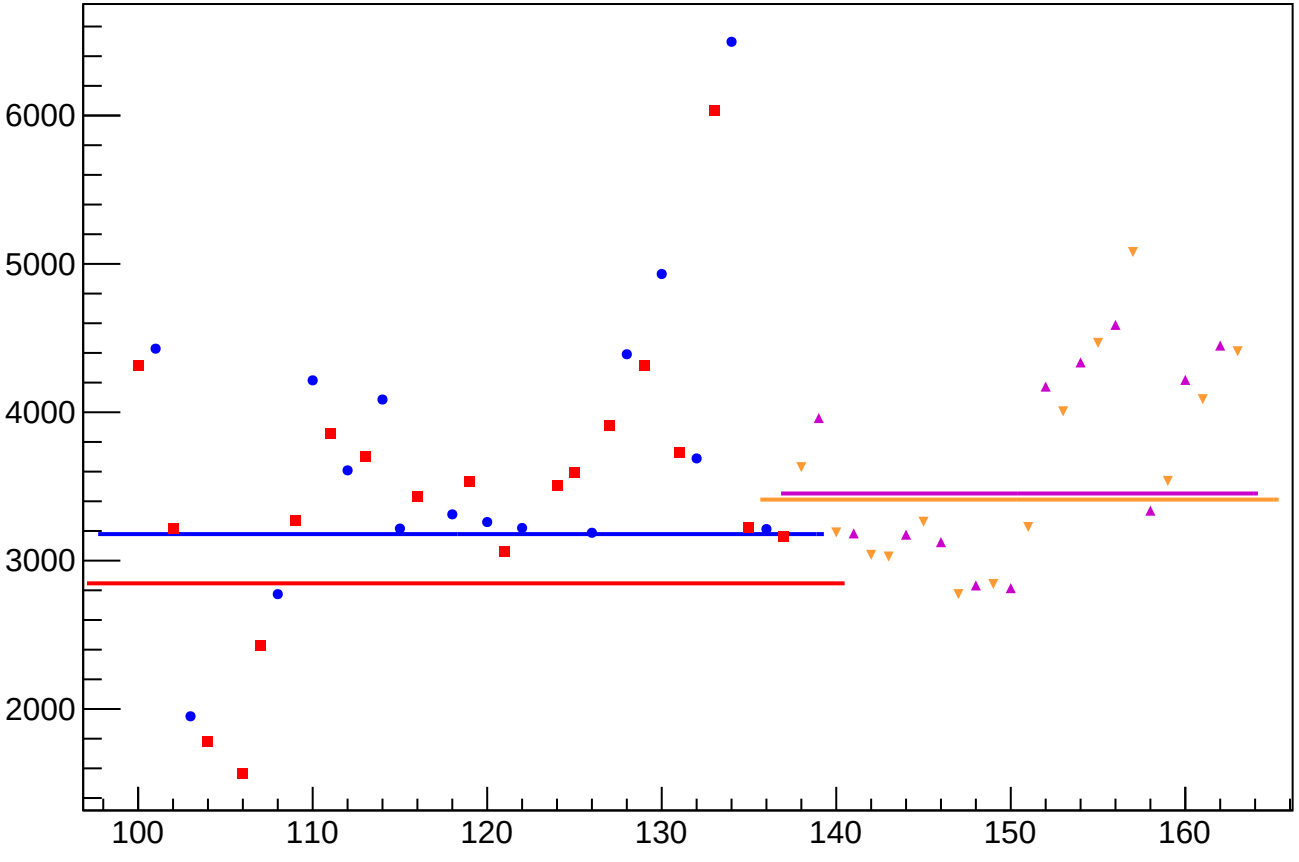
Left In: 699.552+/-1092.107 χ^2/NDF:7.1/11

+ sign 354.338+/-795.159 χ^2/NDF: 32.6/29

All: 356.255+/-556.762 χ^2/NDF: 56.5/60

- sign 358.100+/-779.826 χ^2/NDF: 23.9/30

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3411.546+/-0.736 χ^2/NDF:649802.9/13

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

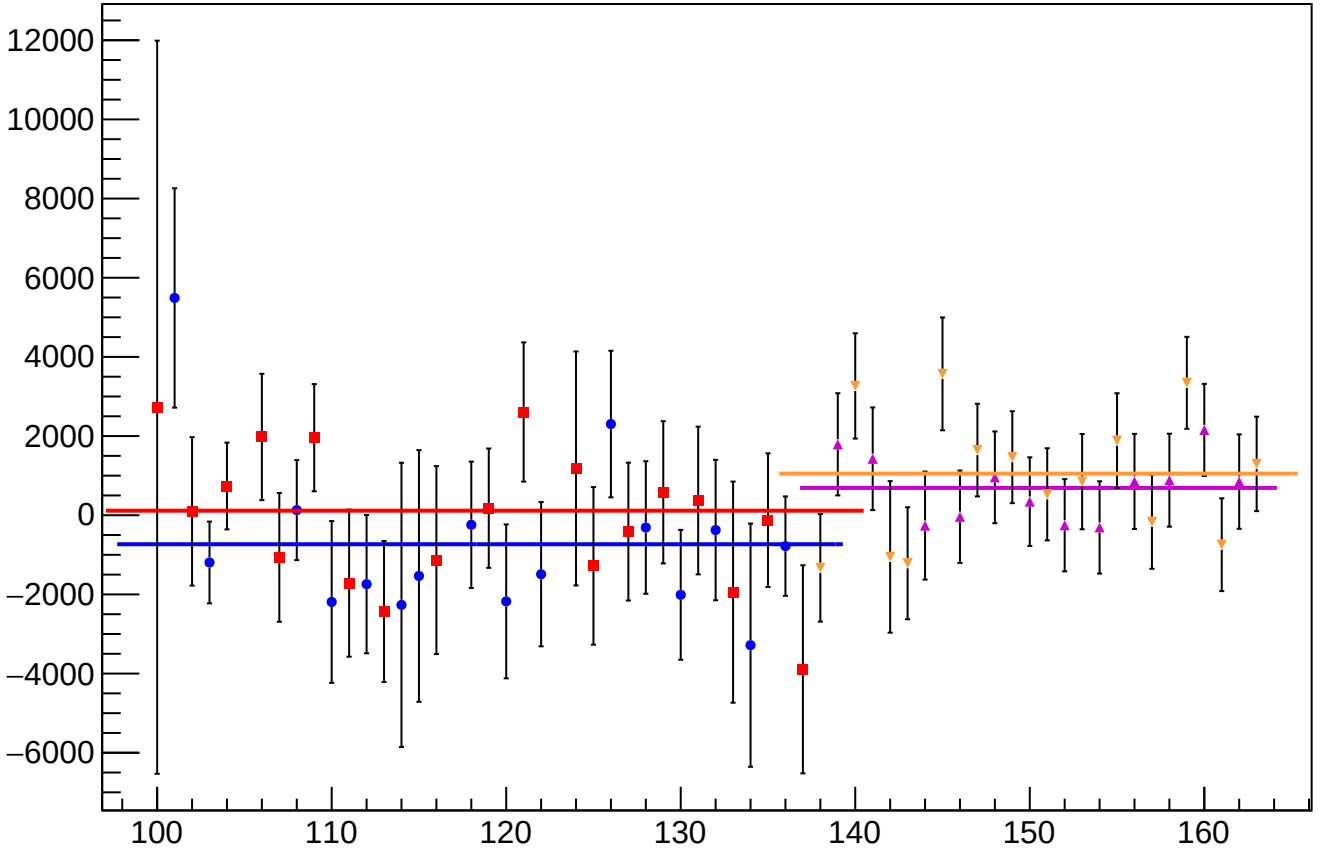
Left In: 3452.618+/-0.772 χ^2/NDF:606643.7/11

\+ sign 3314.739+/-0.562 χ^2/NDF: 1783085.2/29

All: 3233.722+/-0.394 χ^2/NDF: 4243047.5/60

\- sign 3155.799+/-0.551 χ^2/NDF: 2419230.5/30

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

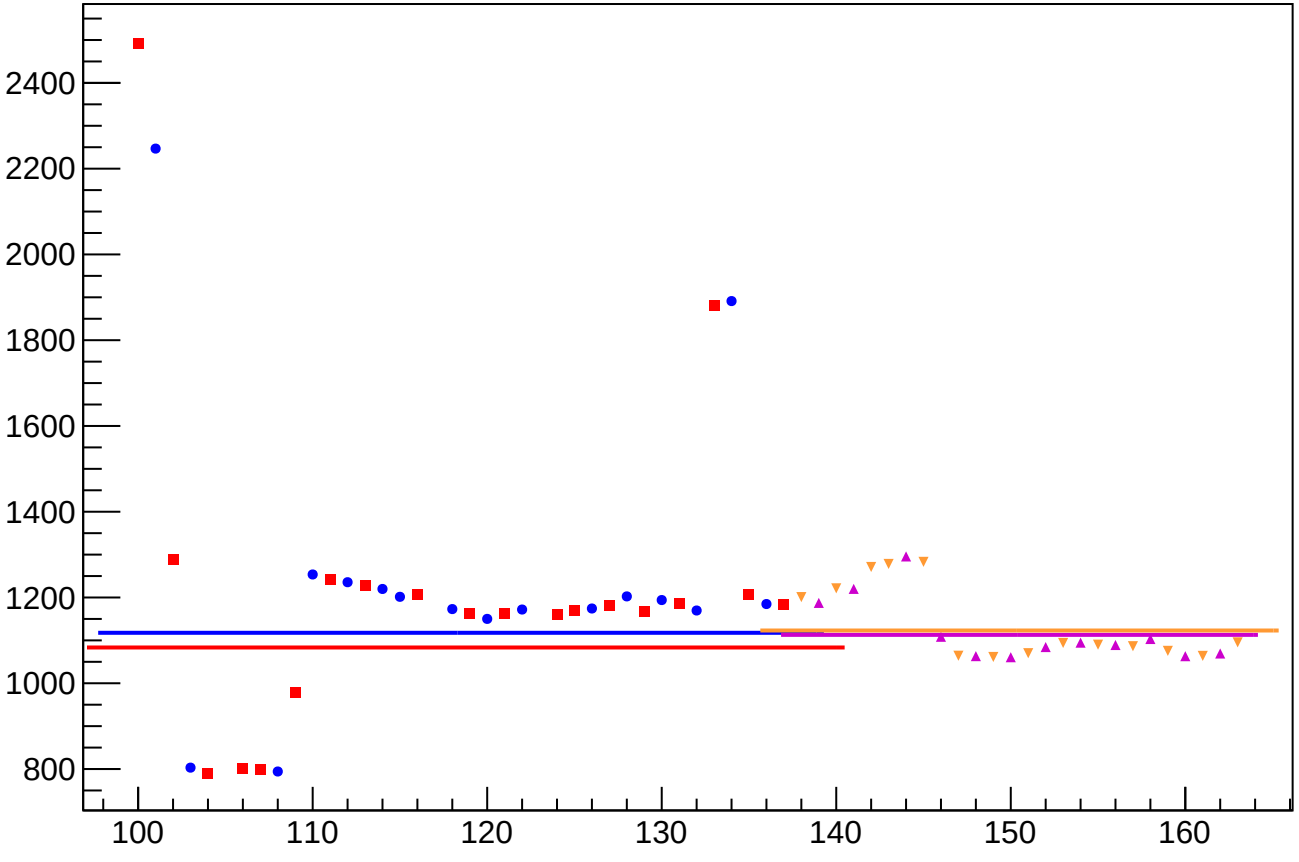
Left In: 689.899+/-346.317 χ^2/NDF:5.1/11

+ sign 369.498+/-264.230 χ^2/NDF: 43.6/29

All: 410.449+/-187.094 χ^2/NDF: 63.1/60

- sign 451.624+/-264.952 χ^2/NDF: 19.4/30

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

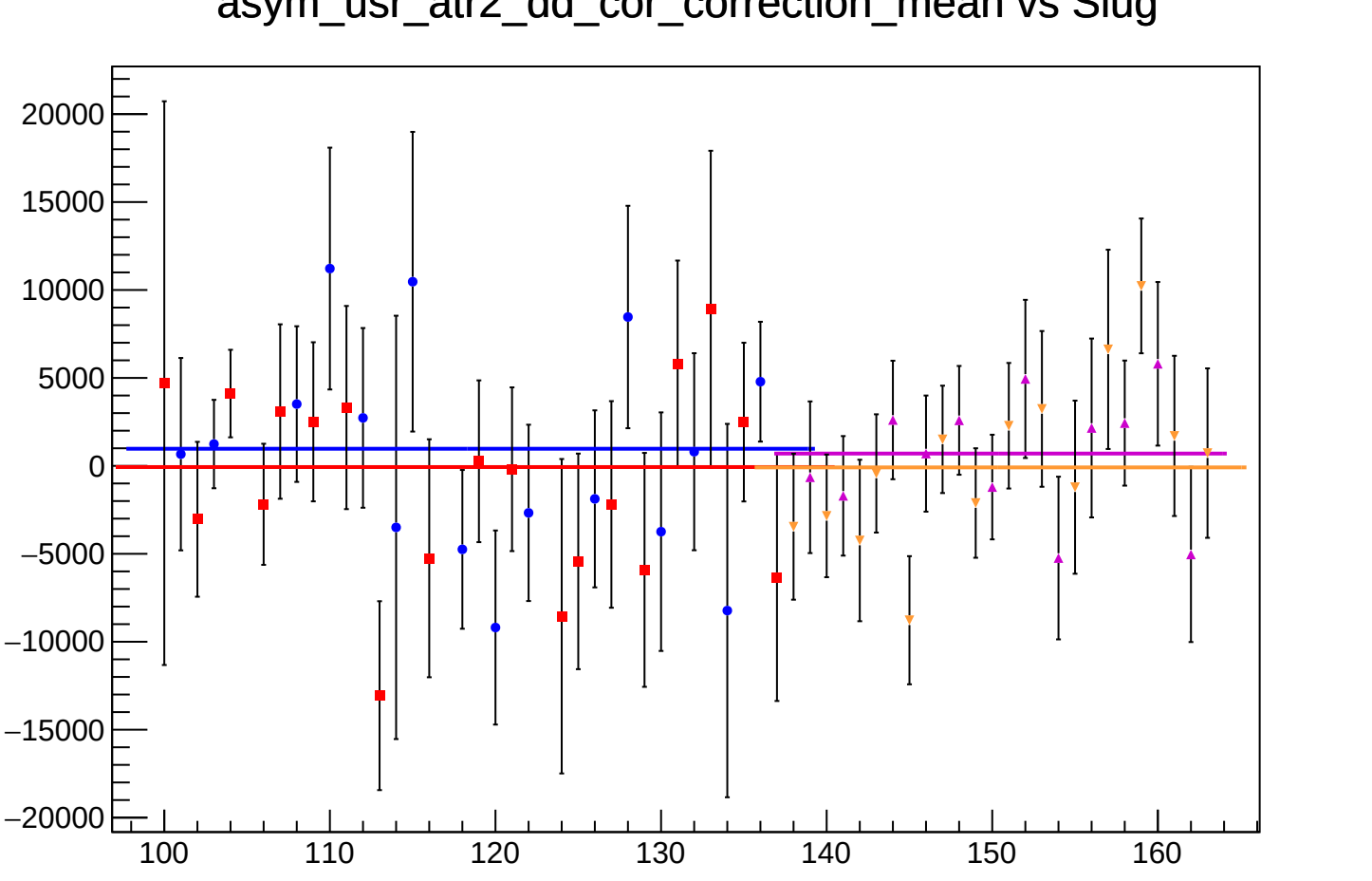
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

+ sign 1120.982+/-0.187 χ^2/NDF: 927723.8/29

All: 1110.823+/-0.132 χ^2/NDF: 1607813.6/60

- sign 1100.624+/-0.187 χ^2/NDF: 674165.3/30



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

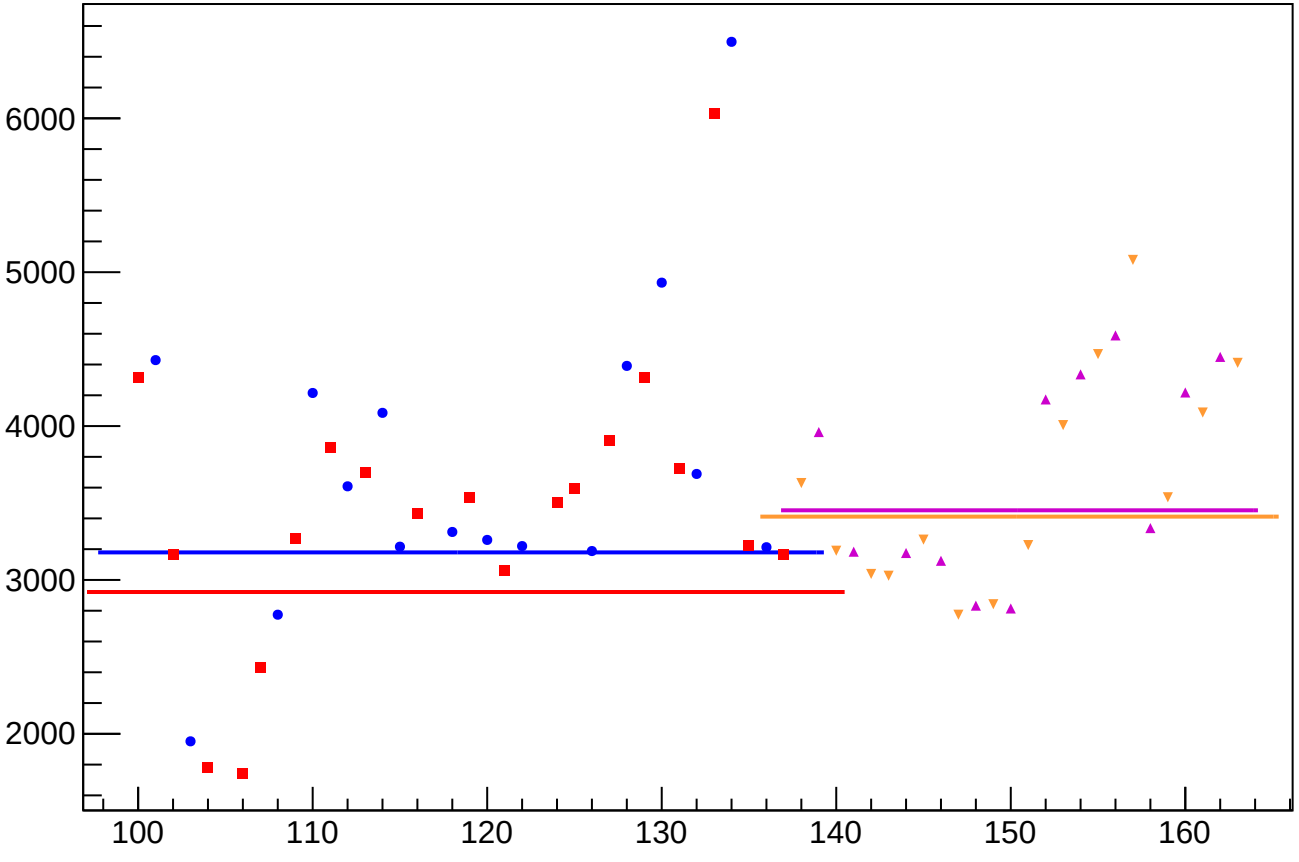
Left In: 699.558+/-1092.107 χ^2/NDF:7.1/11

+ sign 354.103+/-795.172 χ^2/NDF: 32.6/29

All: 342.928+/-559.692 χ^2/NDF: 56.9/60

- sign 331.957+/-787.925 χ^2/NDF: 24.3/30

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

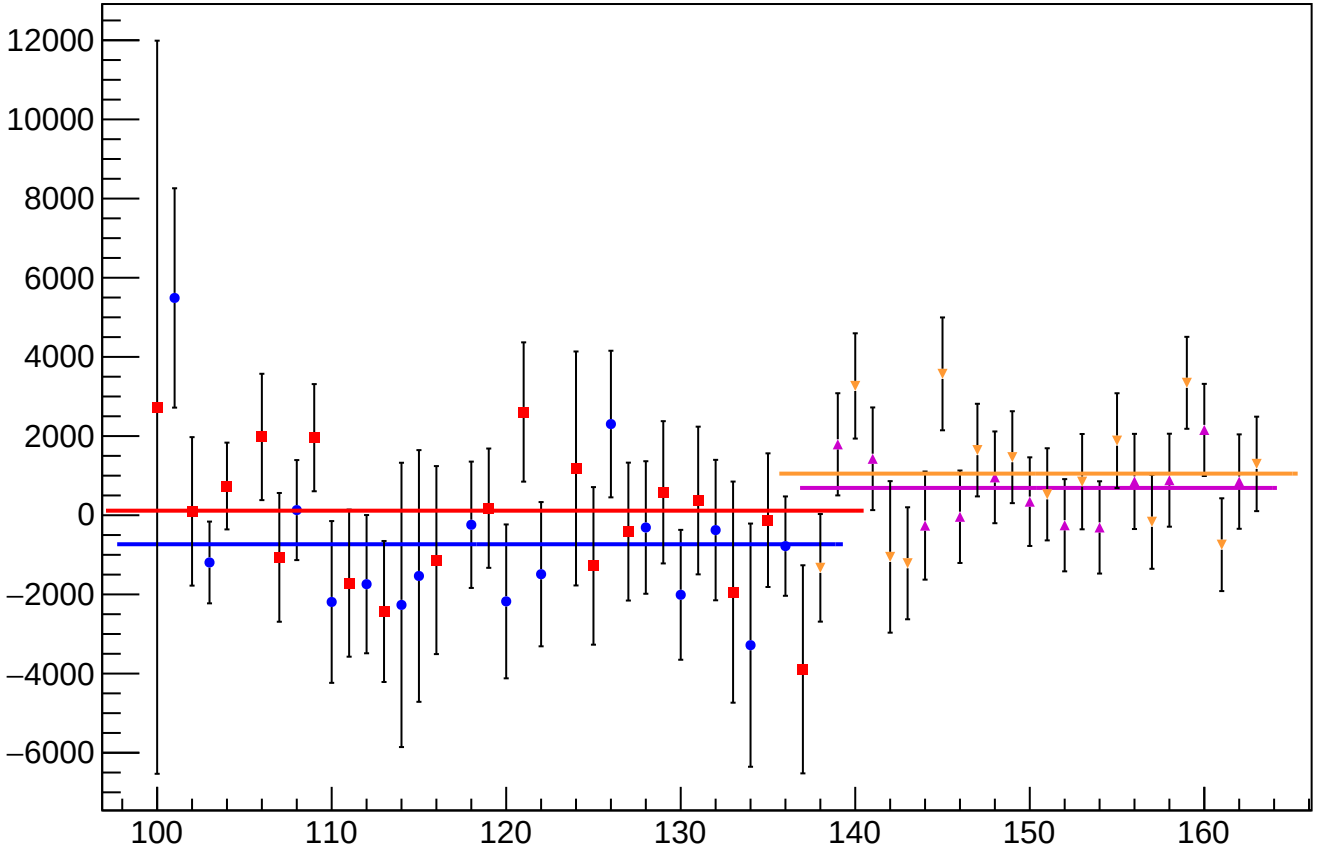
Left In: 3452.618+/-0.772 χ^2/NDF:606646.6/11

+ sign 3314.818+/-0.562 χ^2/NDF: 1782577.4/29

All: 3255.888+/-0.396 χ^2/NDF: 3950567.2/60

- sign 3198.027+/-0.557 χ^2/NDF: 2146220.1/30

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

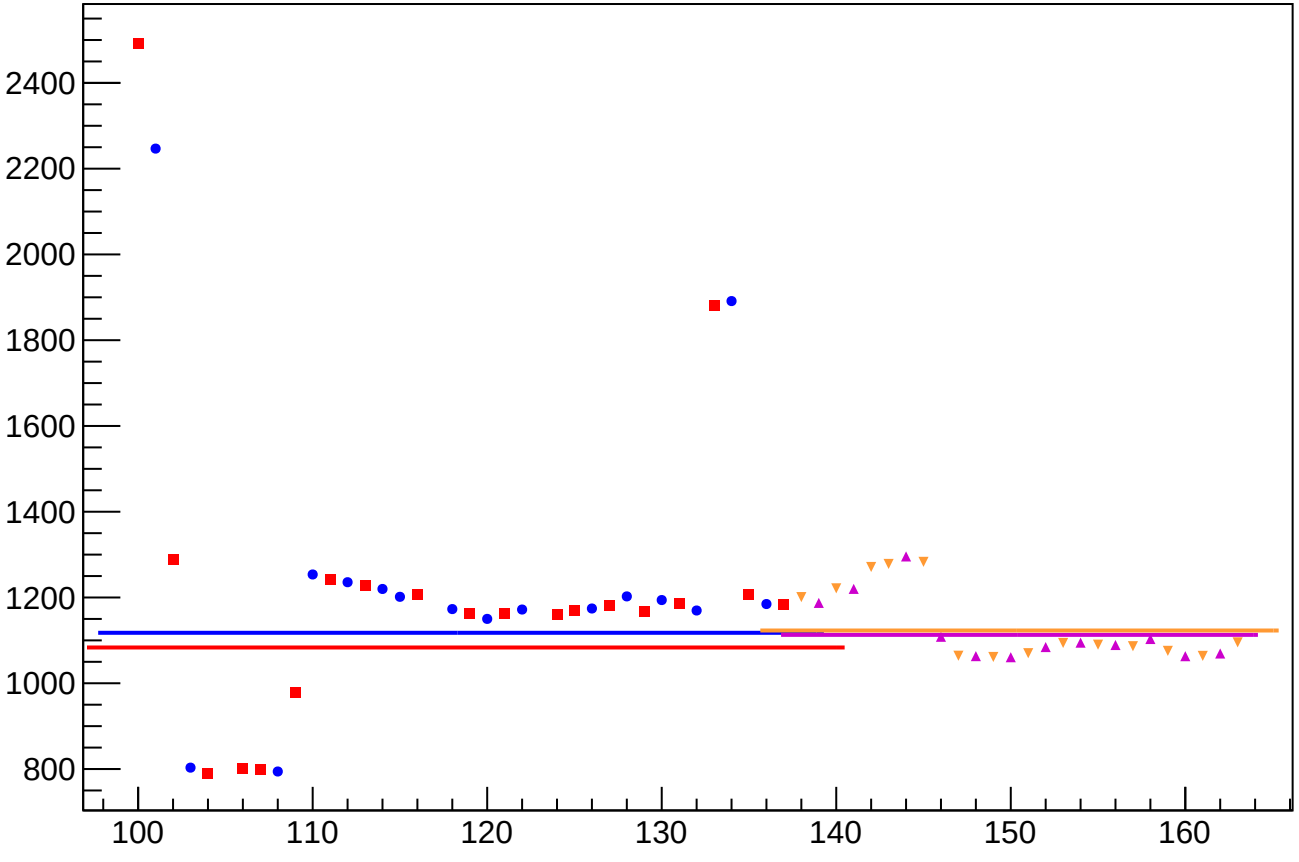
Left In: 689.899+/-346.317 χ^2/NDF:5.1/11

+ sign 369.498+/-264.230 χ^2/NDF: 43.6/29

All: 410.449+/-187.094 χ^2/NDF: 63.1/60

- sign 451.624+/-264.952 χ^2/NDF: 19.4/30

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

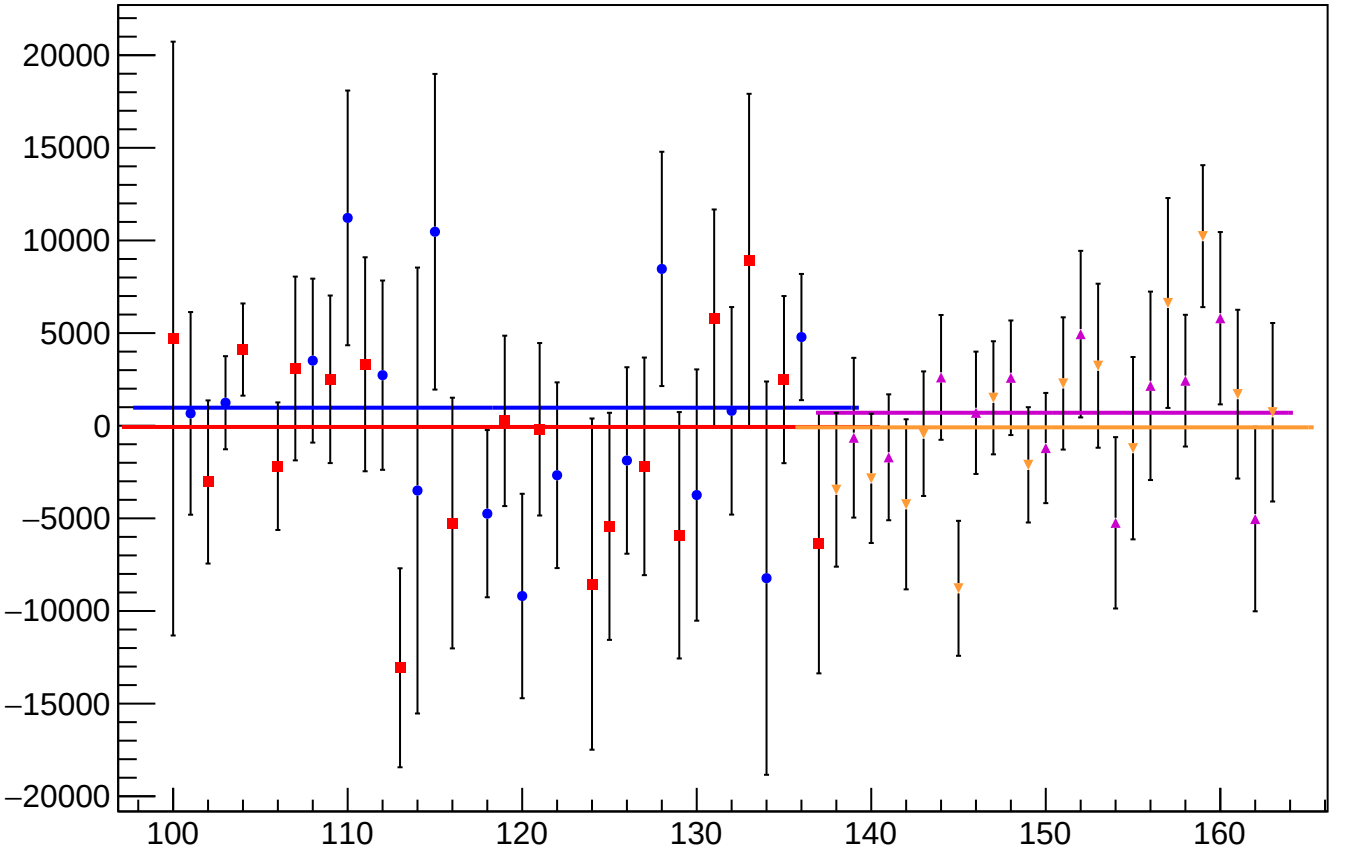
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

+ sign 1120.982+/-0.187 χ^2/NDF: 927723.8/29

All: 1110.823+/-0.132 χ^2/NDF: 1607813.6/60

- sign 1100.624+/-0.187 χ^2/NDF: 674165.3/30



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

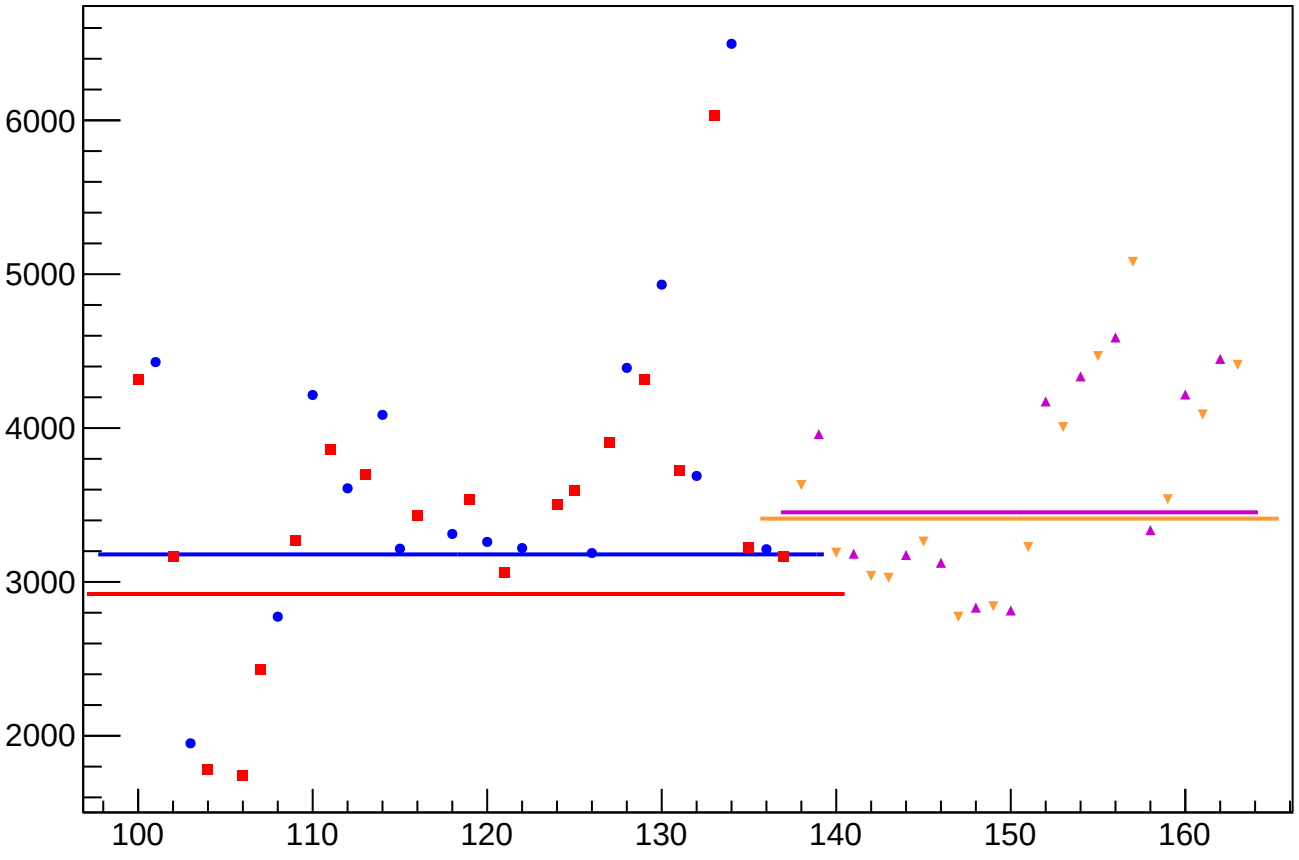
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 699.558+/-1092.107 χ^2/NDF:7.1/11

+ sign 354.103+/-795.172 χ^2/NDF: 32.6/29

All: 342.928+/-559.692 χ^2/NDF: 56.9/60

- sign 331.957+/-787.925 χ^2/NDF: 24.3/30



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

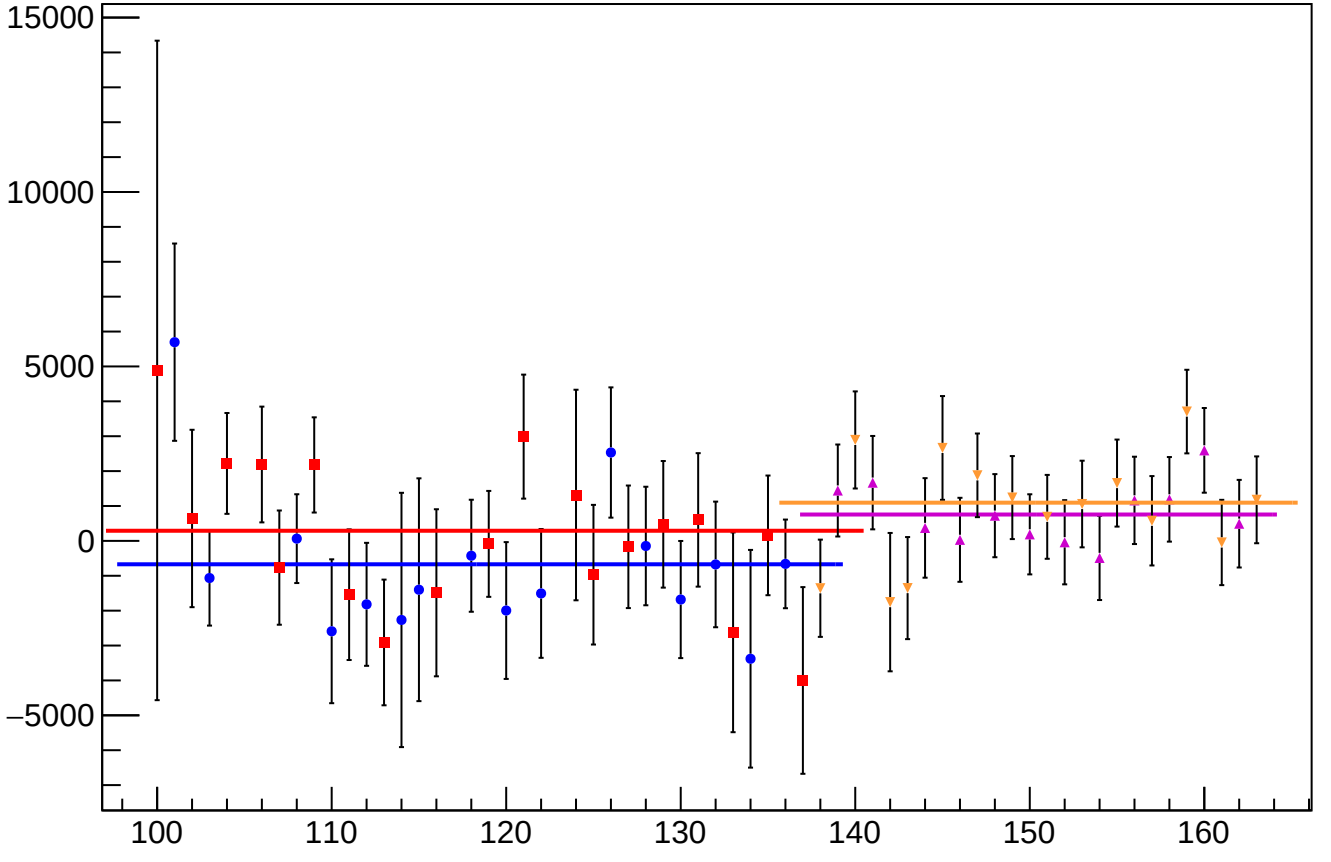
Left In: 3452.618+/-0.772 χ^2/NDF:606646.6/11

+ sign 3314.818+/-0.562 χ^2/NDF: 1782577.4/29

All: 3255.888+/-0.396 χ^2/NDF: 3950567.2/60

- sign 3198.027+/-0.557 χ^2/NDF: 2146220.1/30

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.238+/-348.962 χ^2/NDF:17.3/13

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

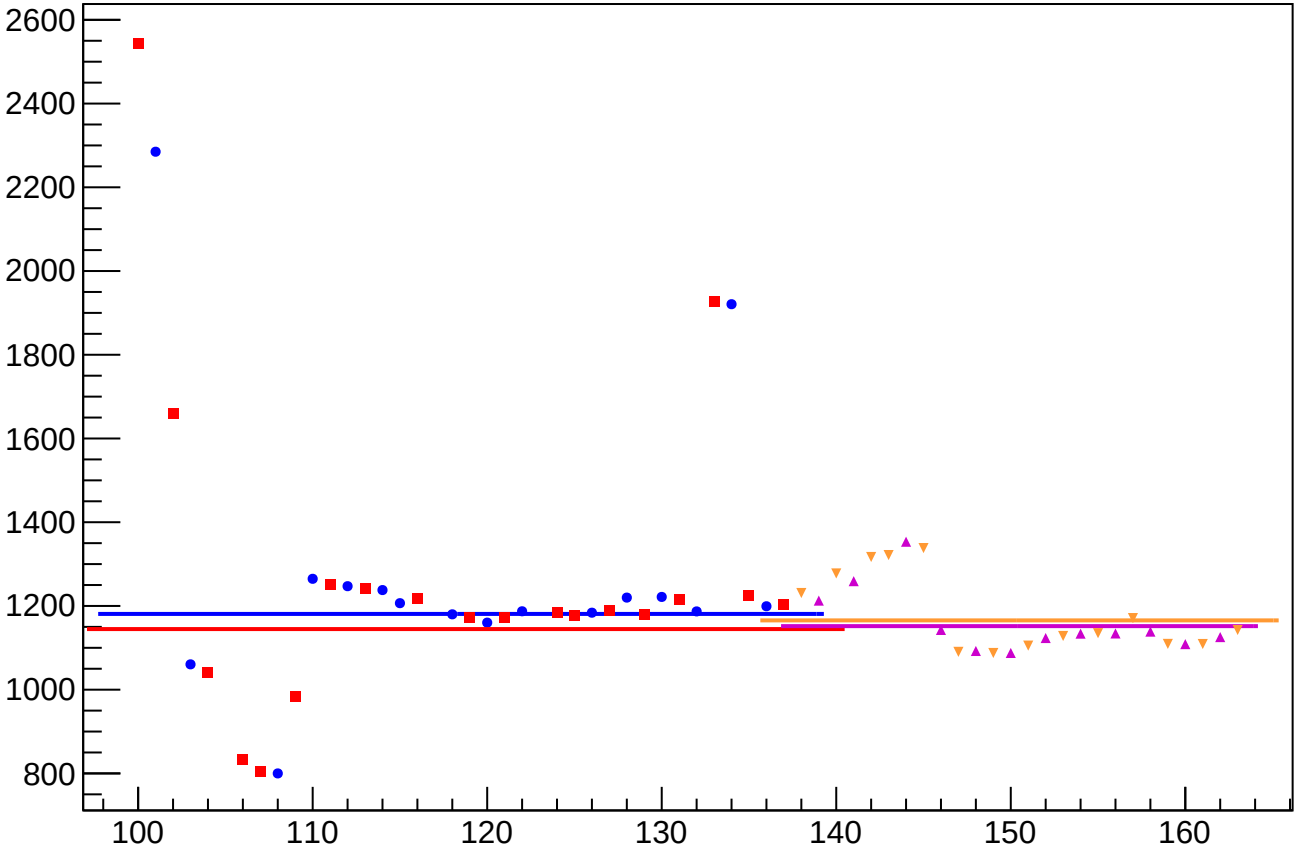
Left In: 755.671+/-358.459 χ^2/NDF:5.5/11

\+ sign 429.265+/-275.415 χ^2/NDF: 38.8/29

All: 497.950+/-195.126 χ^2/NDF: 62.1/60

\- sign 567.171+/-276.487 χ^2/NDF: 23.1/30

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1165.512+/-0.247 χ^2/NDF:112621.7/13

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

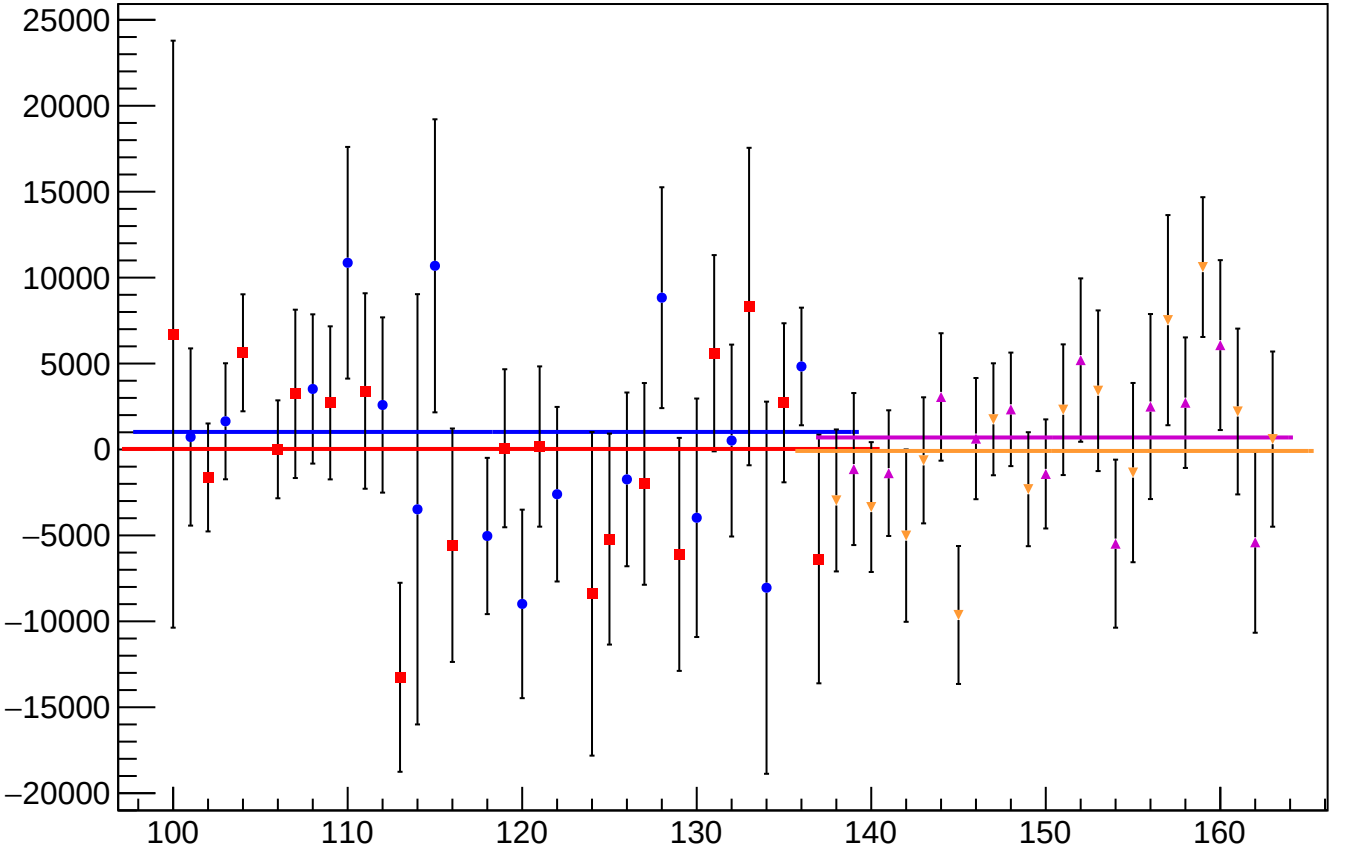
Left In: 1151.787+/-0.253 χ^2/NDF:73955.5/11

+ sign 1171.336+/-0.195 χ^2/NDF: 735977.3/29

All: 1160.182+/-0.138 χ^2/NDF: 1314558.1/60

- sign 1148.946+/-0.195 χ^2/NDF: 571996.2/30

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -85.774+/-1110.891 χ^2/NDF:18.4/13

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

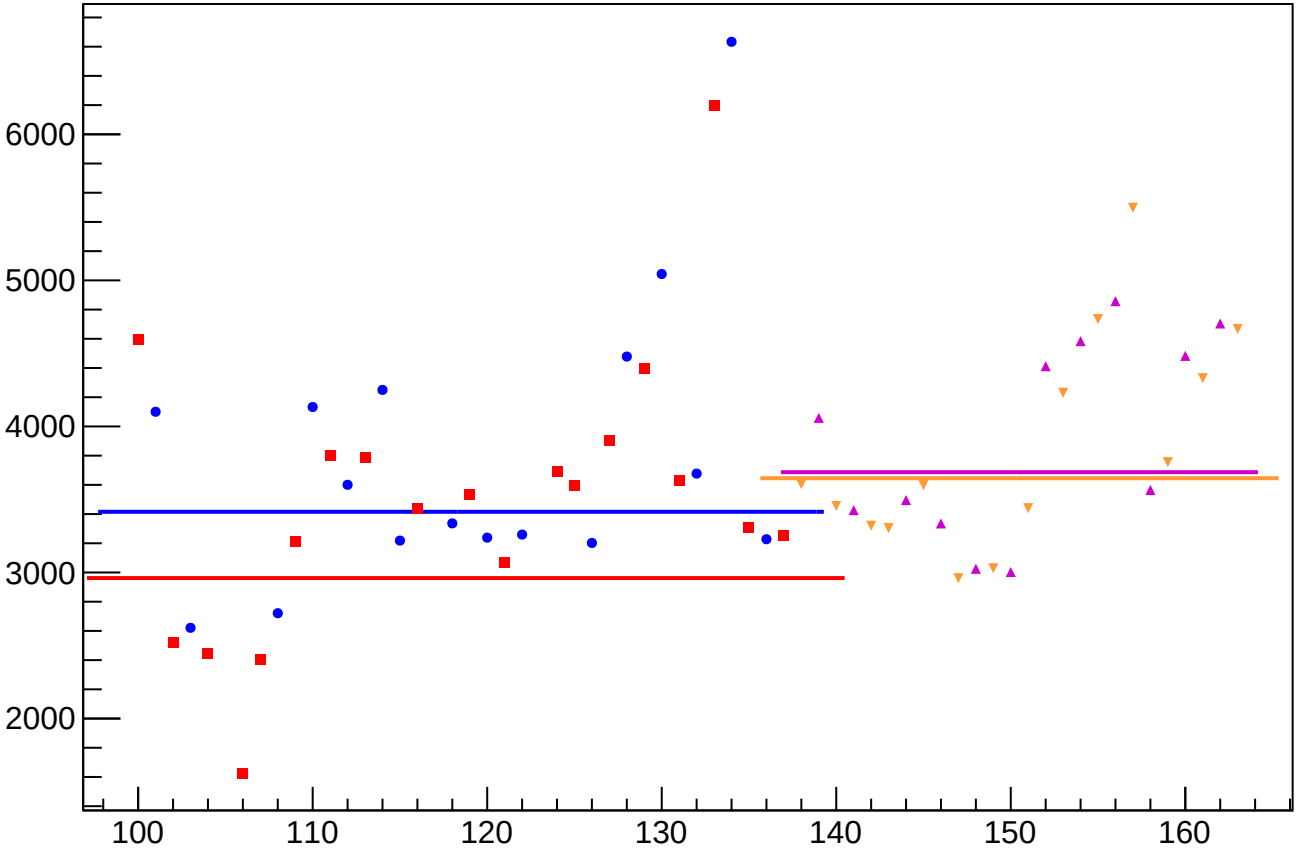
Left In: 698.561+/-1164.962 χ^2/NDF:7.0/11

\+ sign 380.340+/-845.206 χ^2/NDF: 32.7/29

All: 366.834+/-585.327 χ^2/NDF: 56.0/60

\- sign 354.387+/-811.384 χ^2/NDF: 23.3/30

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3645.442+/-0.786 χ^2/NDF:618703.3/13

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

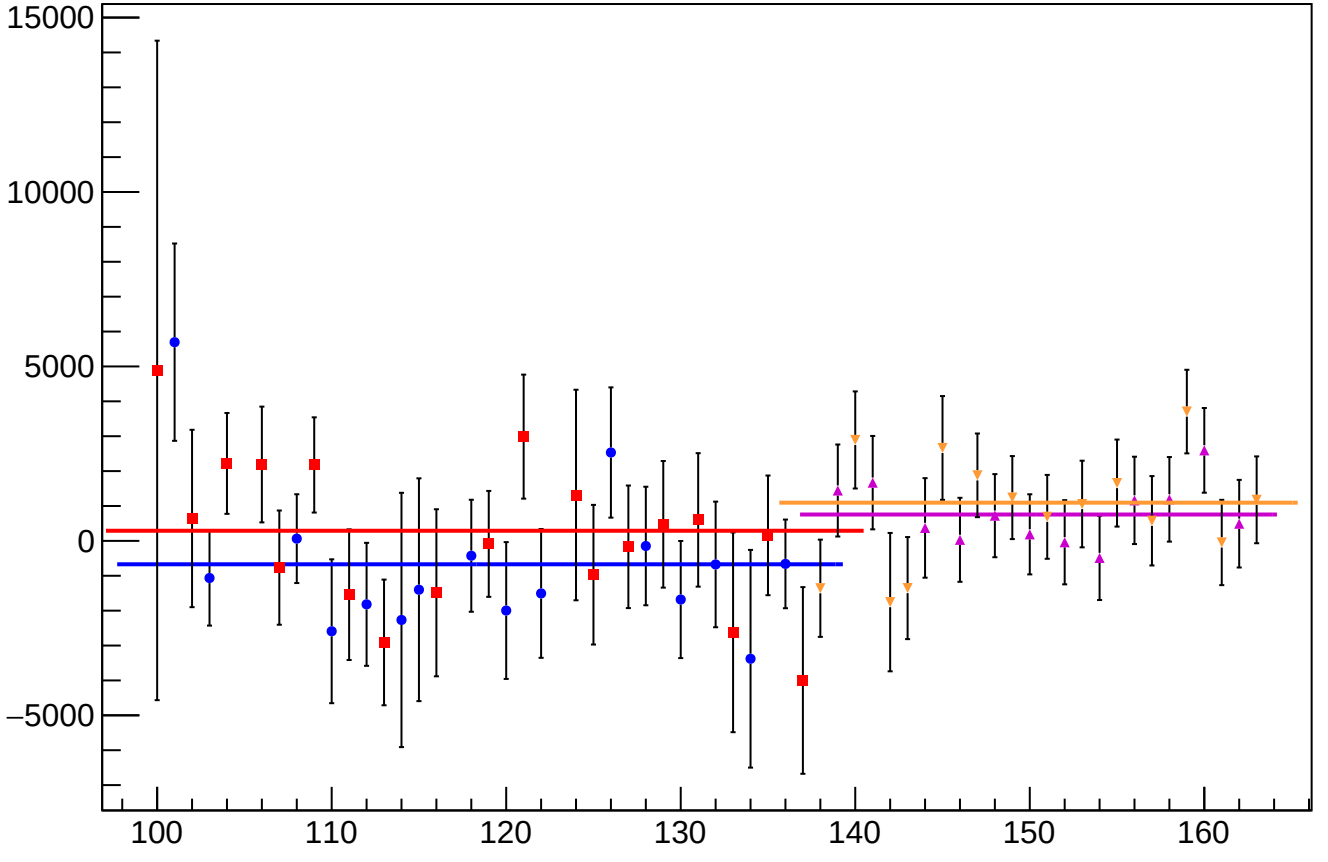
Left In: 3686.746+/-0.824 χ^2/NDF:559534.7/11

+ sign 3548.646+/-0.598 χ^2/NDF: 1247103.5/29

All: 3426.258+/-0.414 χ^2/NDF: 3455269.0/60

- sign 3313.469+/-0.574 χ^2/NDF: 2127582.9/30

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.248+/-348.962 χ^2/NDF:17.3/13

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

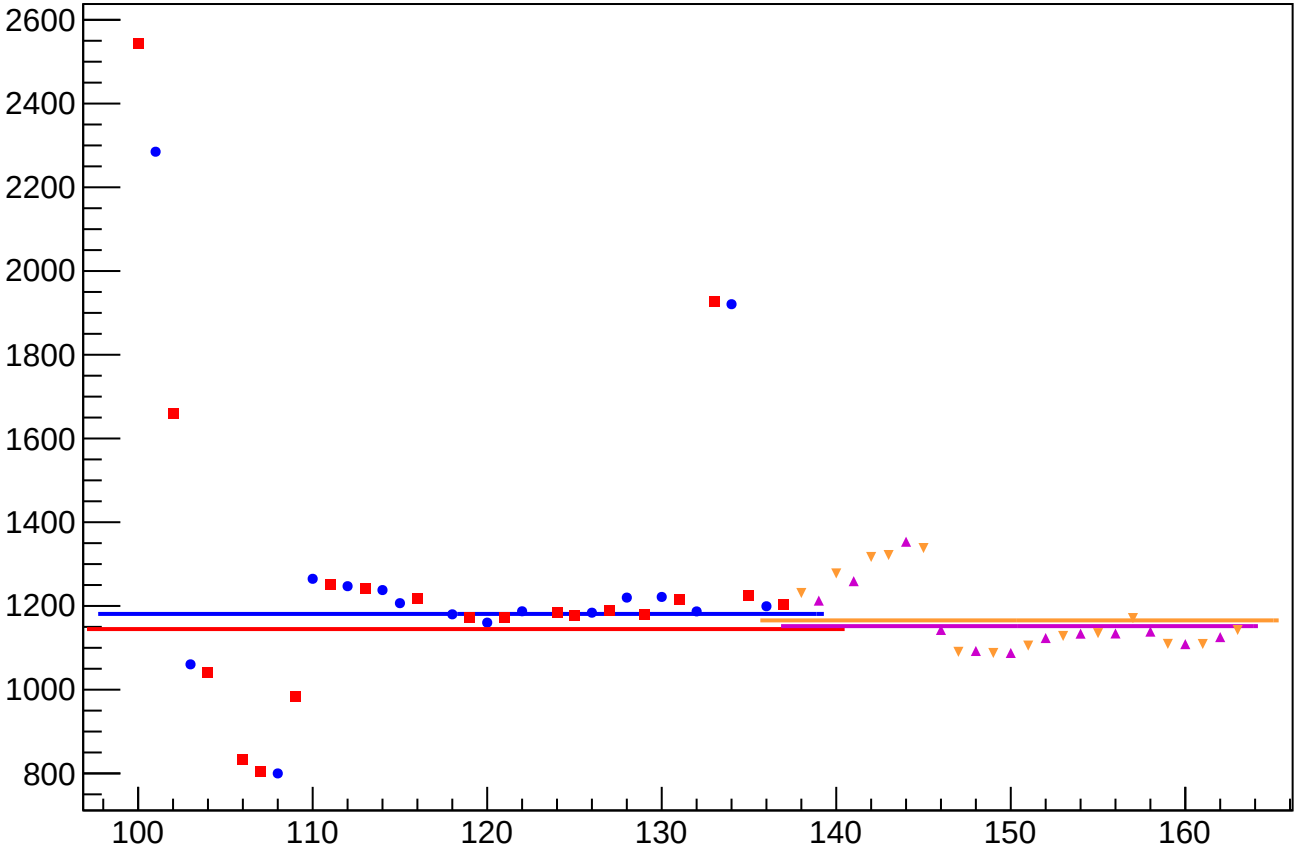
Left In: 755.669+/-358.459 χ^2/NDF:5.5/11

\+ sign 429.269+/-275.416 χ^2/NDF: 38.8/29

All: 497.953+/-195.126 χ^2/NDF: 62.1/60

\- sign 567.172+/-276.488 χ^2/NDF: 23.1/30

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1165.513+/-0.247 χ^2/NDF:112621.3/13

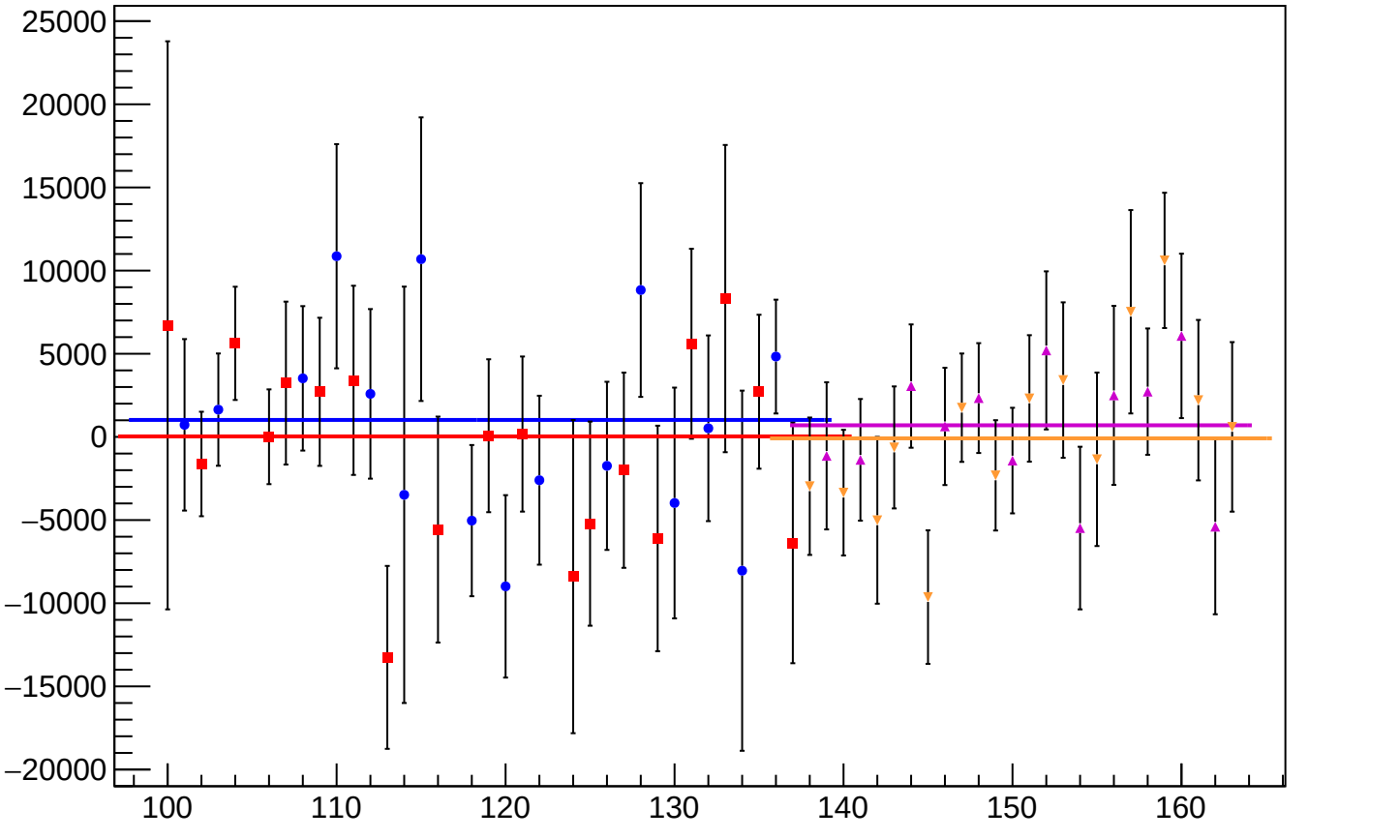
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1151.788+/-0.253 χ^2/NDF:73954.9/11

+ sign 1171.336+/-0.195 χ^2/NDF: 735977.0/29

All: 1160.183+/-0.138 χ^2/NDF: 1314556.7/60

- sign 1148.946+/-0.195 χ^2/NDF: 571995.2/30



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -85.771+/-1110.893 χ^2/NDF:18.4/13

Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

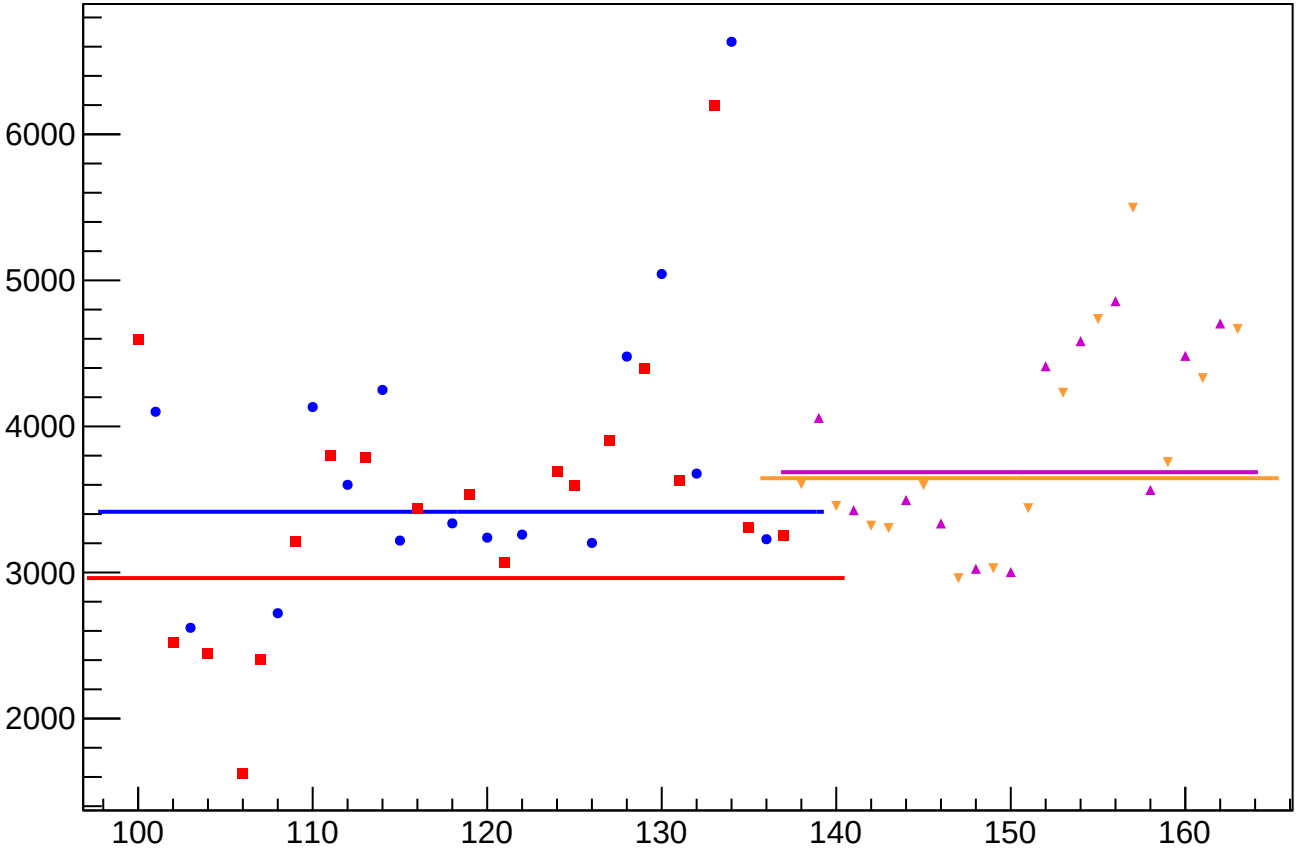
Left In: 698.560+/-1164.963 χ^2/NDF:7.0/11

\+ sign 380.336+/-845.206 χ^2/NDF: 32.7/29

All: 366.833+/-585.327 χ^2/NDF: 56.0/60

\- sign 354.389+/-811.383 χ^2/NDF: 23.3/30

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3645.446+/-0.786 χ^2/NDF:618702.7/13

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

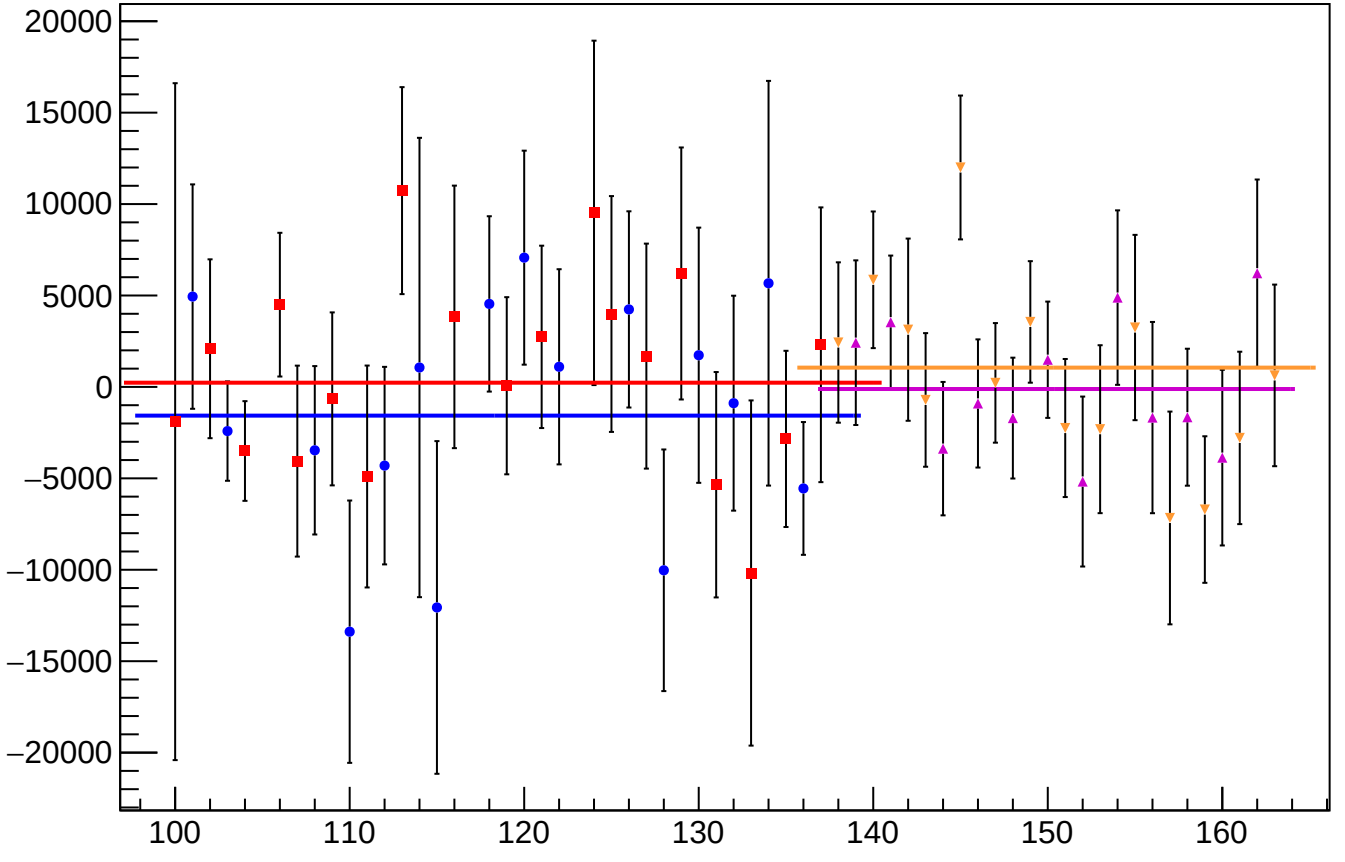
Left In: 3686.751+/-0.824 χ^2/NDF:559532.3/11

+ sign 3548.647+/-0.598 χ^2/NDF: 1247100.5/29

All: 3426.258+/-0.414 χ^2/NDF: 3455275.5/60

- sign 3313.467+/-0.574 χ^2/NDF: 2127590.7/30

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1055.306+/-1103.427 χ^2/NDF:18.4/13

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

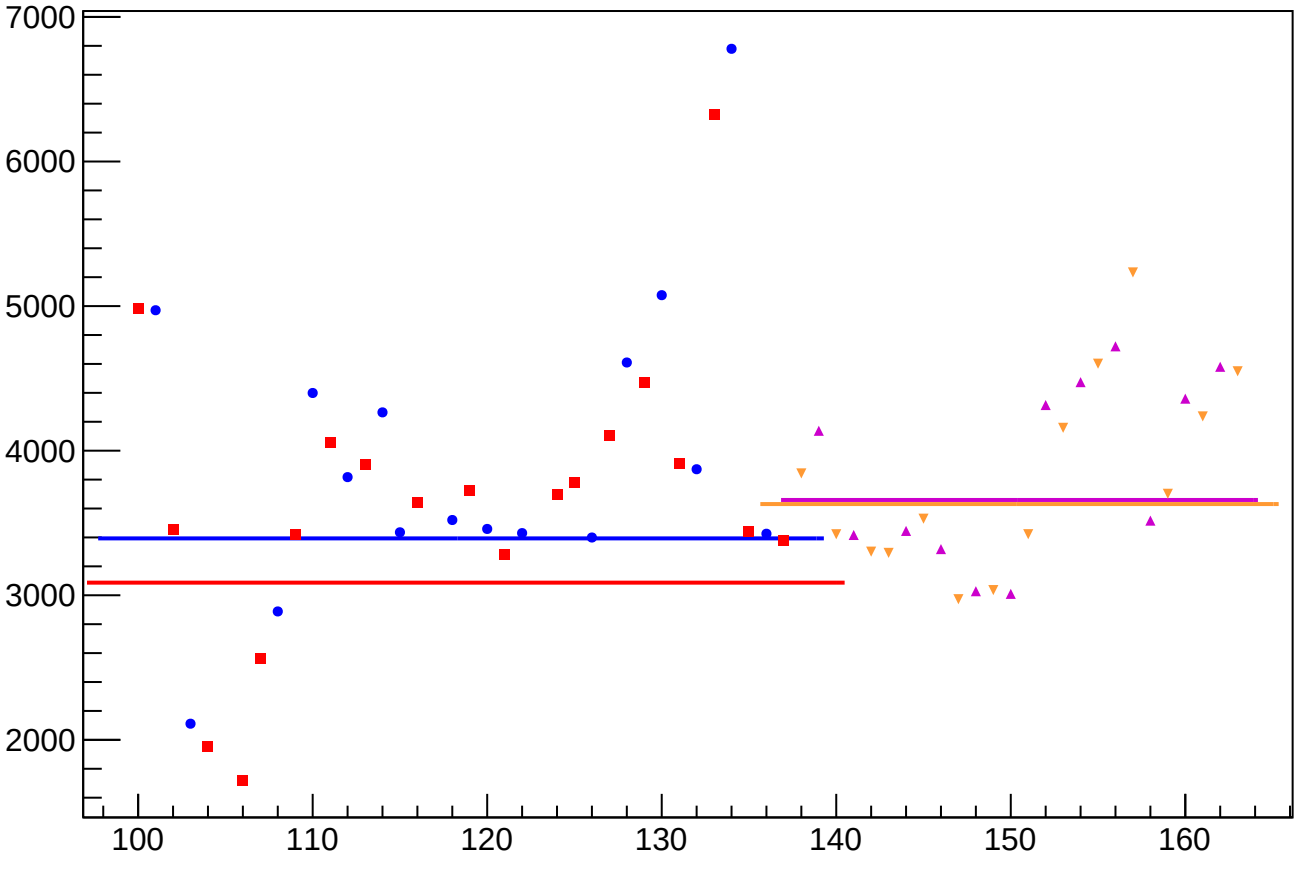
Left In: -114.170+/-1153.809 χ^2/NDF:7.3/11

+ sign -31.340+/-844.722 χ^2/NDF: 35.3/29

All: 8.692+/-595.520 χ^2/NDF: 55.9/60

- sign 48.249+/-839.687 χ^2/NDF: 20.6/30

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3630.834+/-0.780 χ^2/NDF:542748.9/13

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

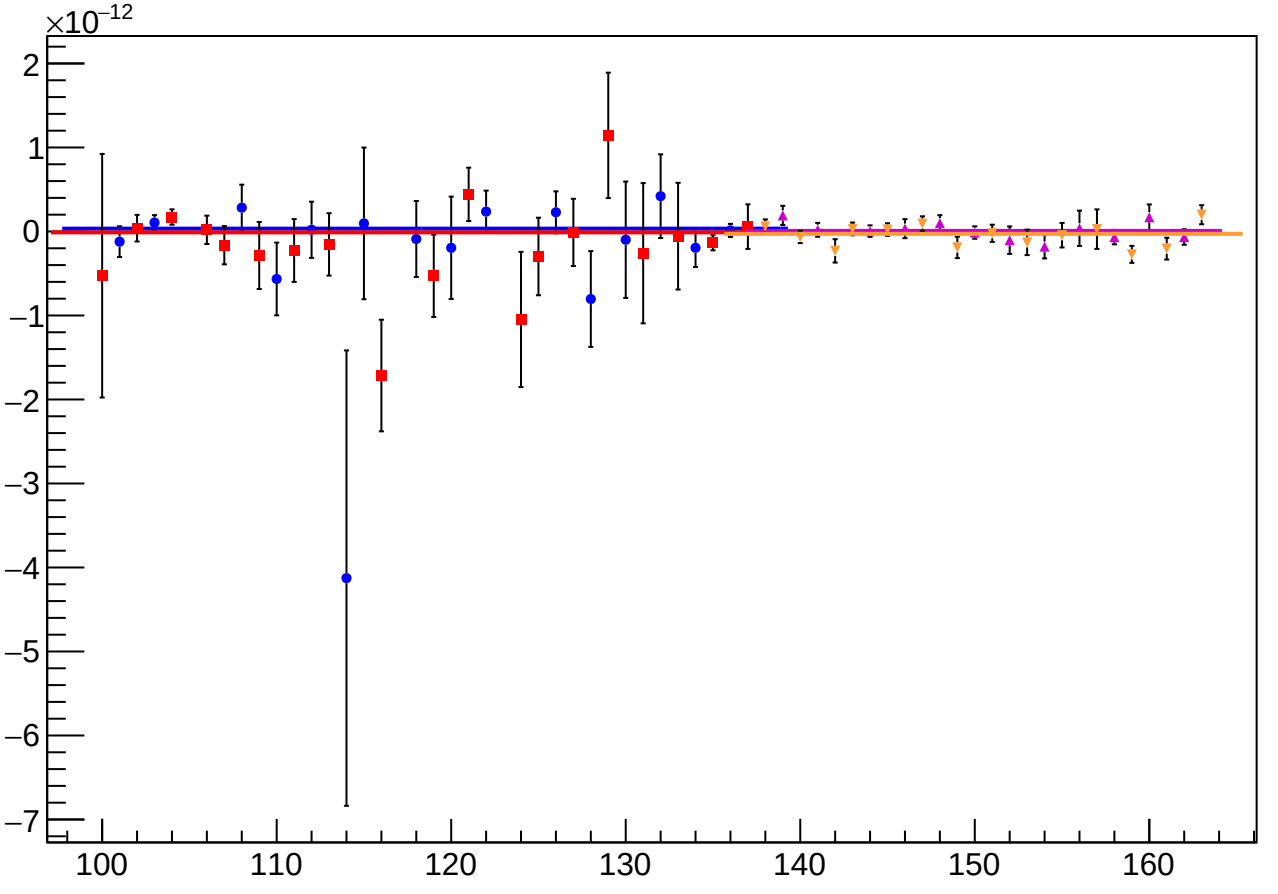
Left In: 3659.107+/-0.816 χ^2/NDF:504370.4/11

+ sign 3532.535+/-0.597 χ^2/NDF: 1629800.3/29

All: 3457.902+/-0.419 χ^2/NDF: 3728503.4/60

- sign 3385.329+/-0.589 χ^2/NDF: 2067909.3/30

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:20.3/13

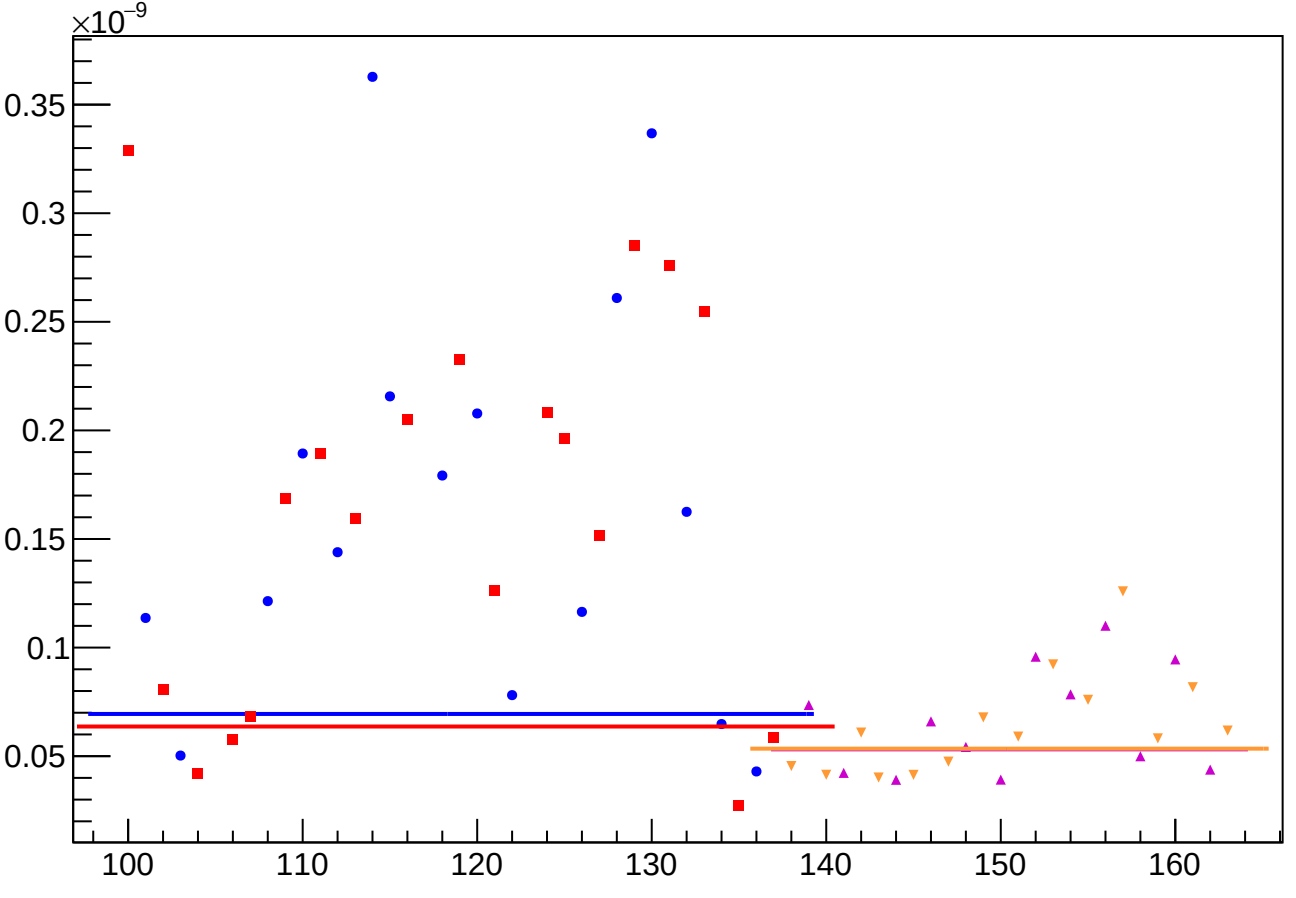
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/29

All: -0.000+/-0.000 χ^2/NDF: 64.0/60

- sign 0.000+/-0.000 χ^2/NDF: 30.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710282.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

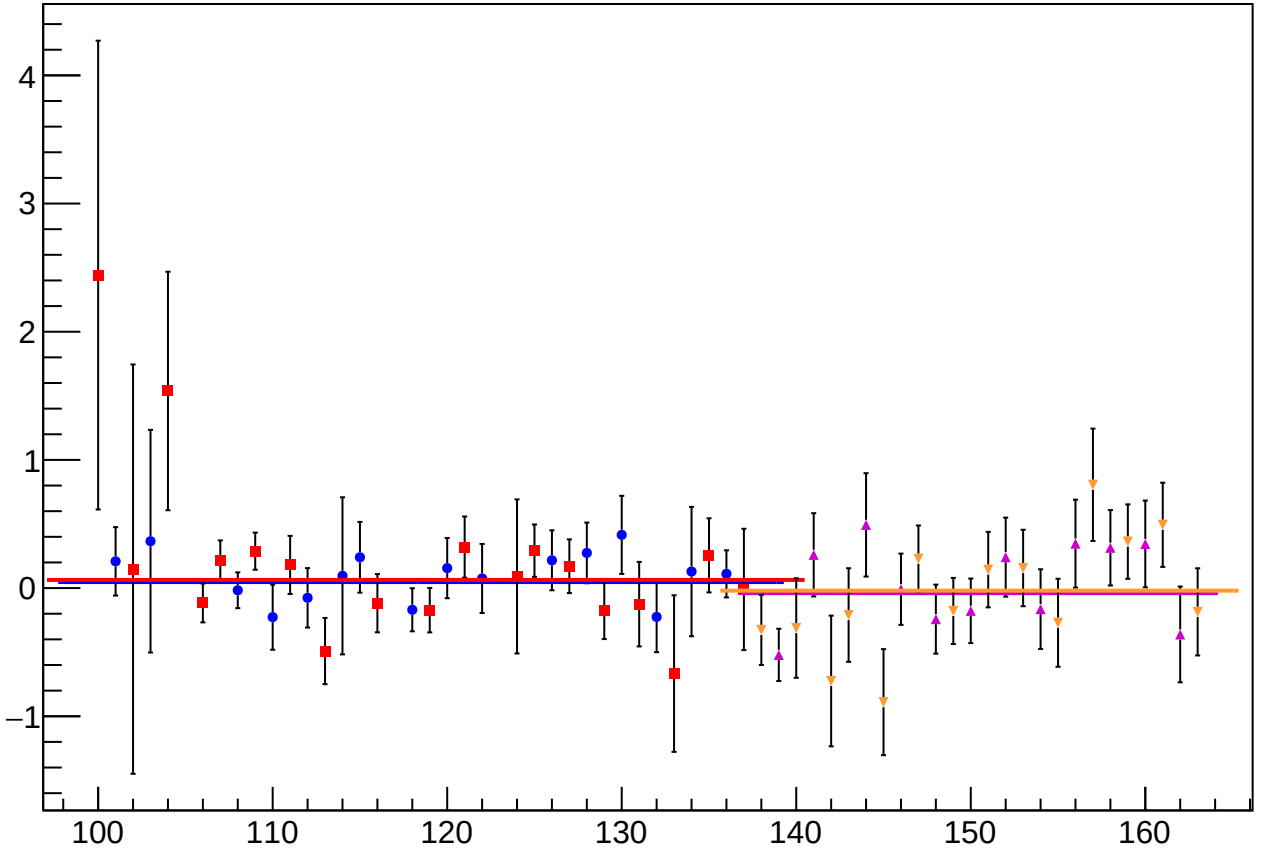
Left In: 0.000+/-0.000 χ^2/NDF:799227.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 2603052.2/29

All: 0.000+/-0.000 χ^2/NDF: 5723499.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3117013.3/30

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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

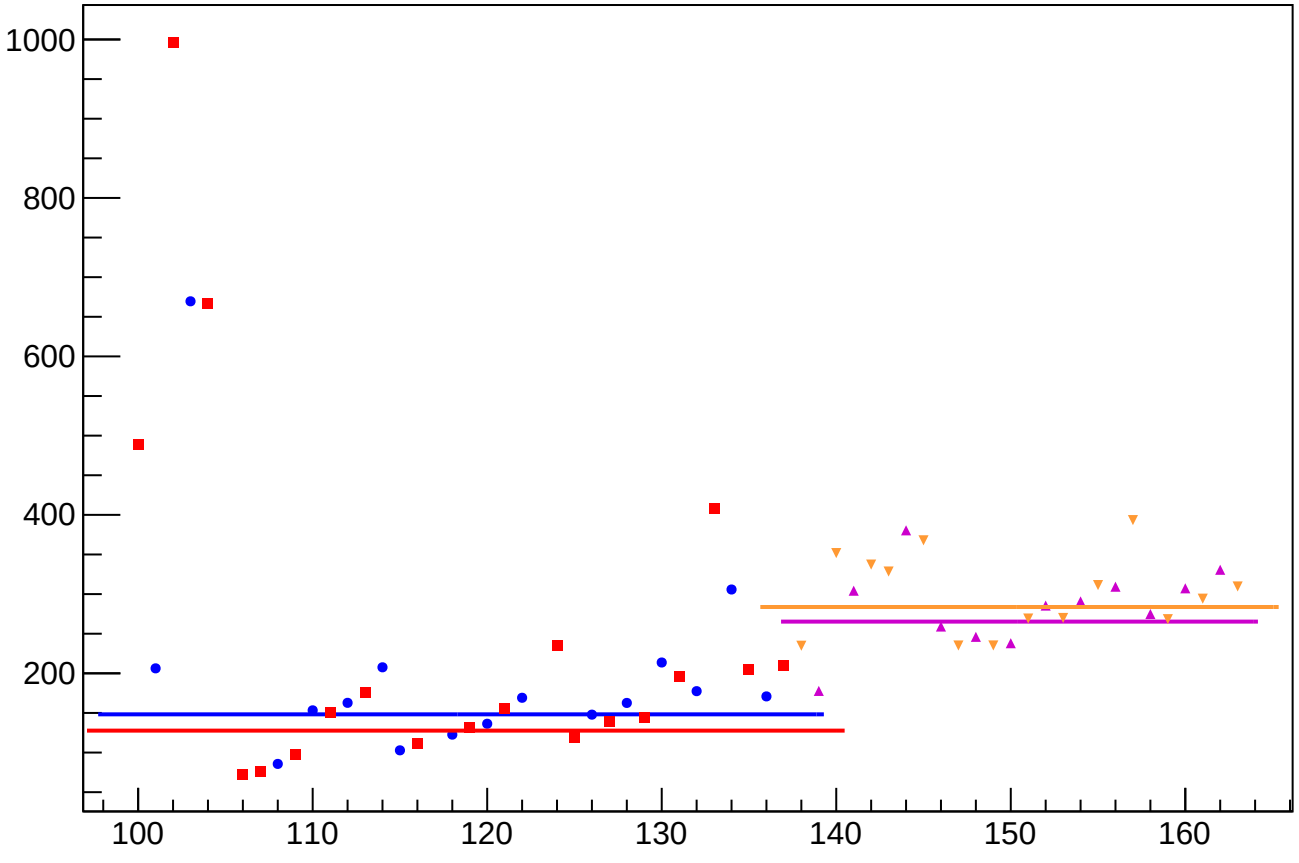
Left In: -0.039+/-0.085 χ^2/NDF:14.8/11

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.030+/-0.034 χ^2/NDF: 65.9/60

- sign 0.033+/-0.046 χ^2/NDF: 38.1/30

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: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

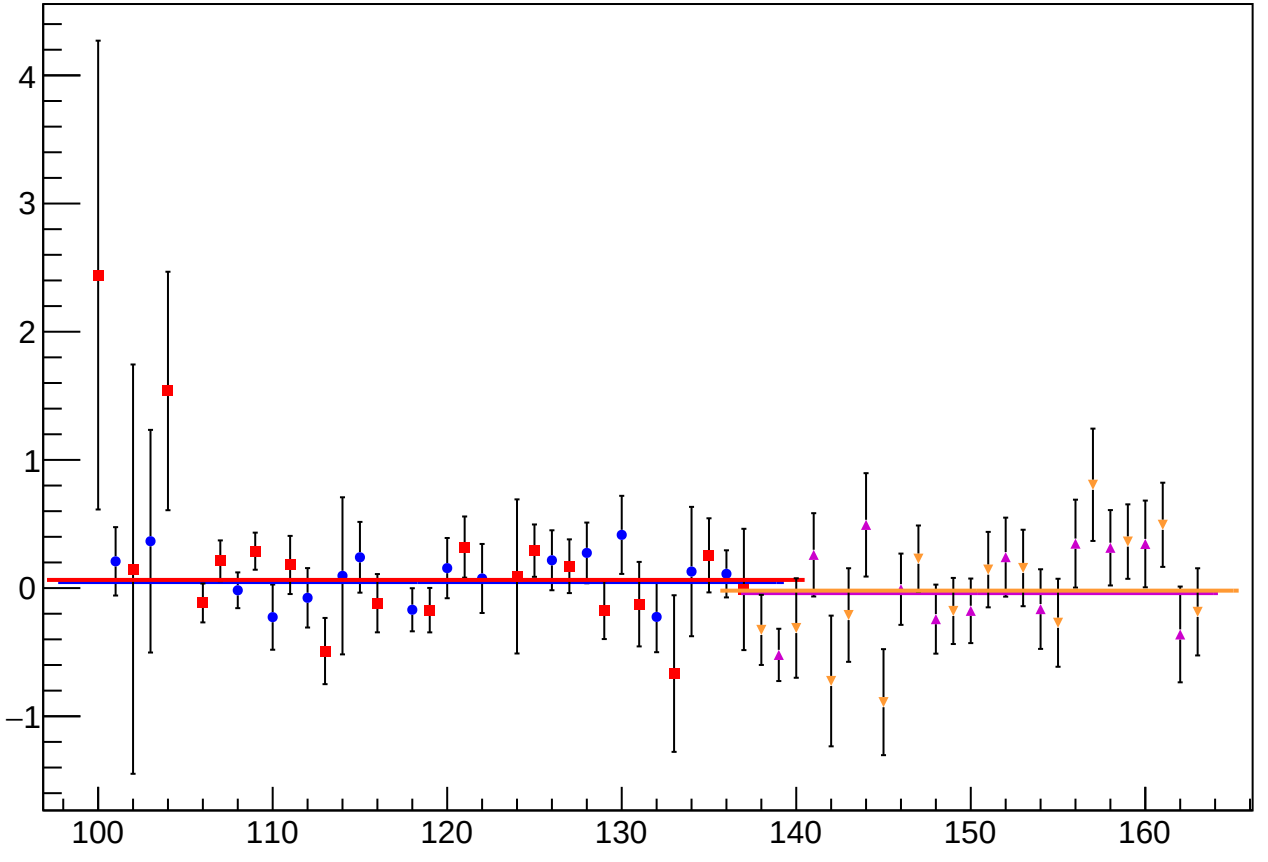
Left In: 265.271+/-0.060 χ^2/NDF:743933.5/11

+ sign 192.219+/-0.035 χ^2/NDF: 5585026.7/29

All: 179.288+/-0.024 χ^2/NDF: 13145853.2/60

- sign 168.069+/-0.032 χ^2/NDF: 7304163.8/30

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

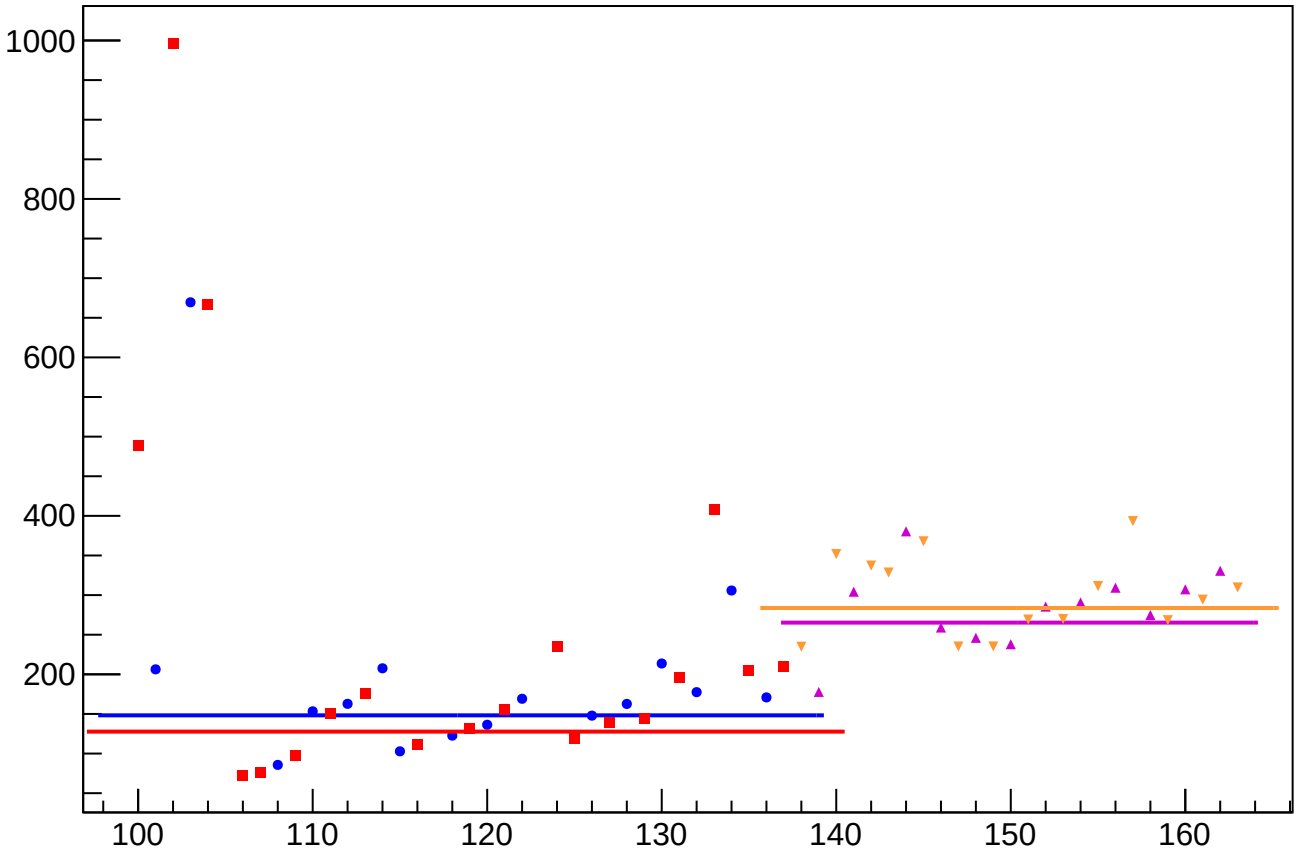
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.039+/-0.085 χ^2/NDF:14.8/11

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.030+/-0.034 χ^2/NDF: 65.9/60

- sign 0.033+/-0.046 χ^2/NDF: 38.1/30



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 283.710+/-0.061 χ^2/NDF:568257.6/13

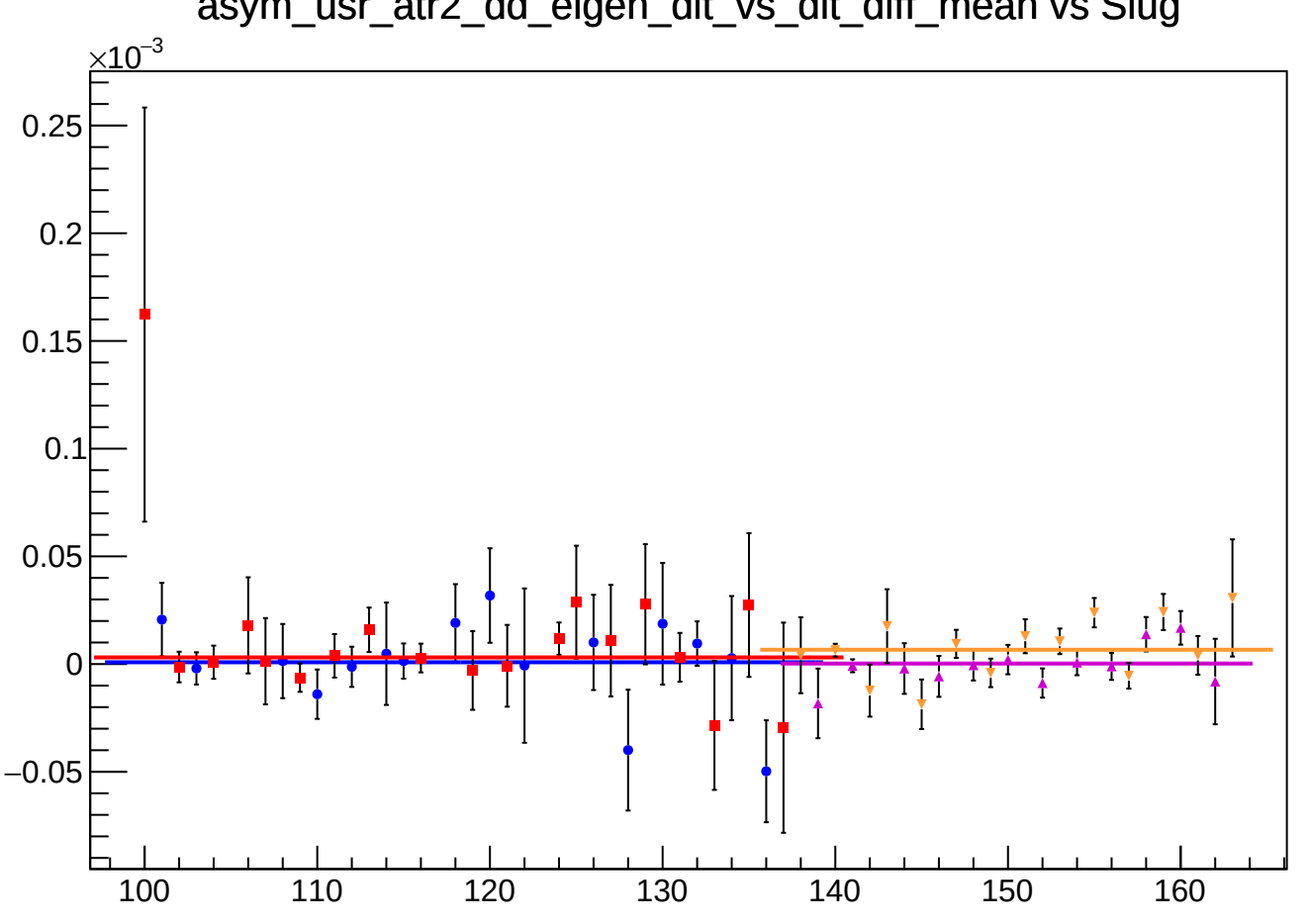
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 265.271+/-0.060 χ^2/NDF:743933.5/11

+ sign 192.219+/-0.035 χ^2/NDF: 5585026.7/29

All: 179.288+/-0.024 χ^2/NDF: 13145853.2/60

- sign 168.069+/-0.032 χ^2/NDF: 7304163.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

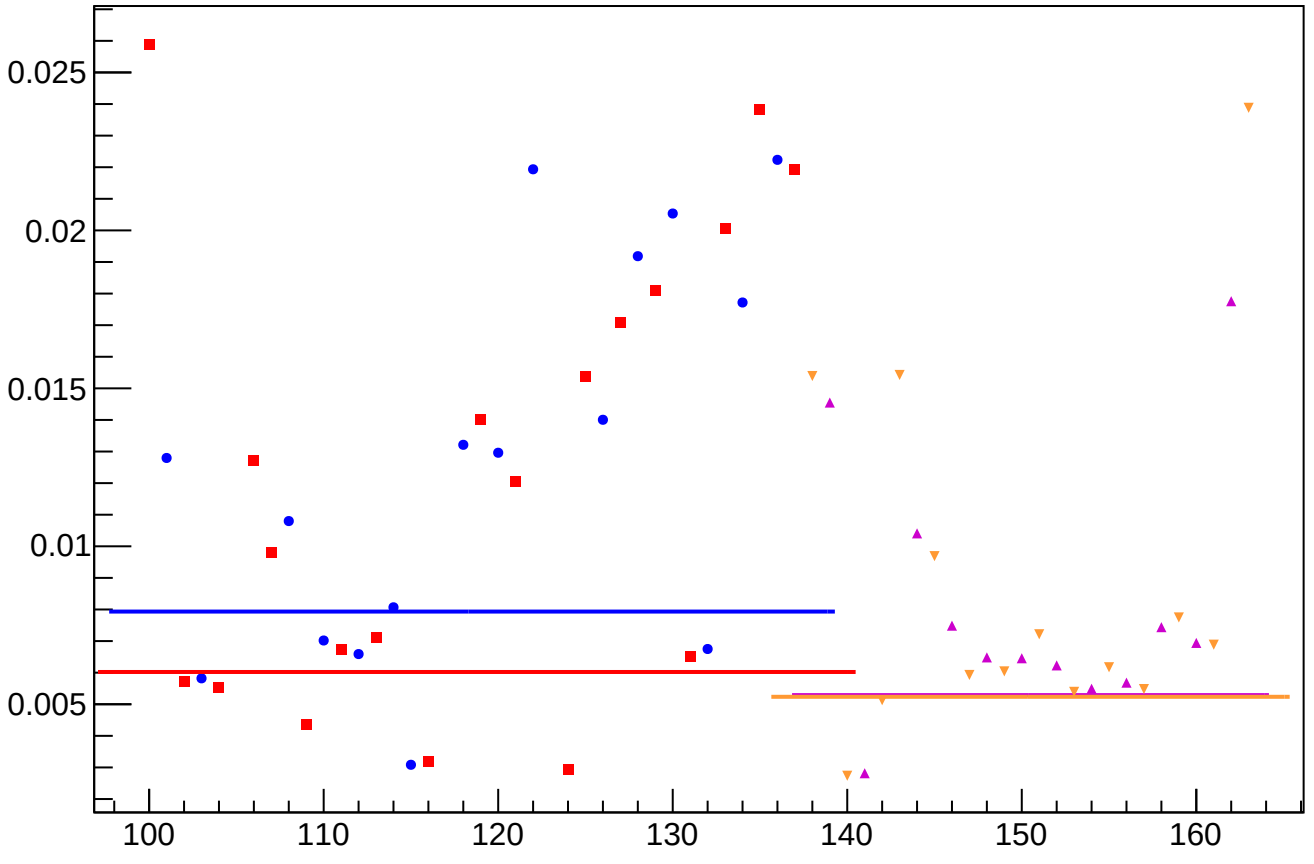
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/29

All: 0.000+/-0.000 χ^2/NDF: 72.2/60

- sign 0.000+/-0.000 χ^2/NDF: 24.8/30



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:4477295.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

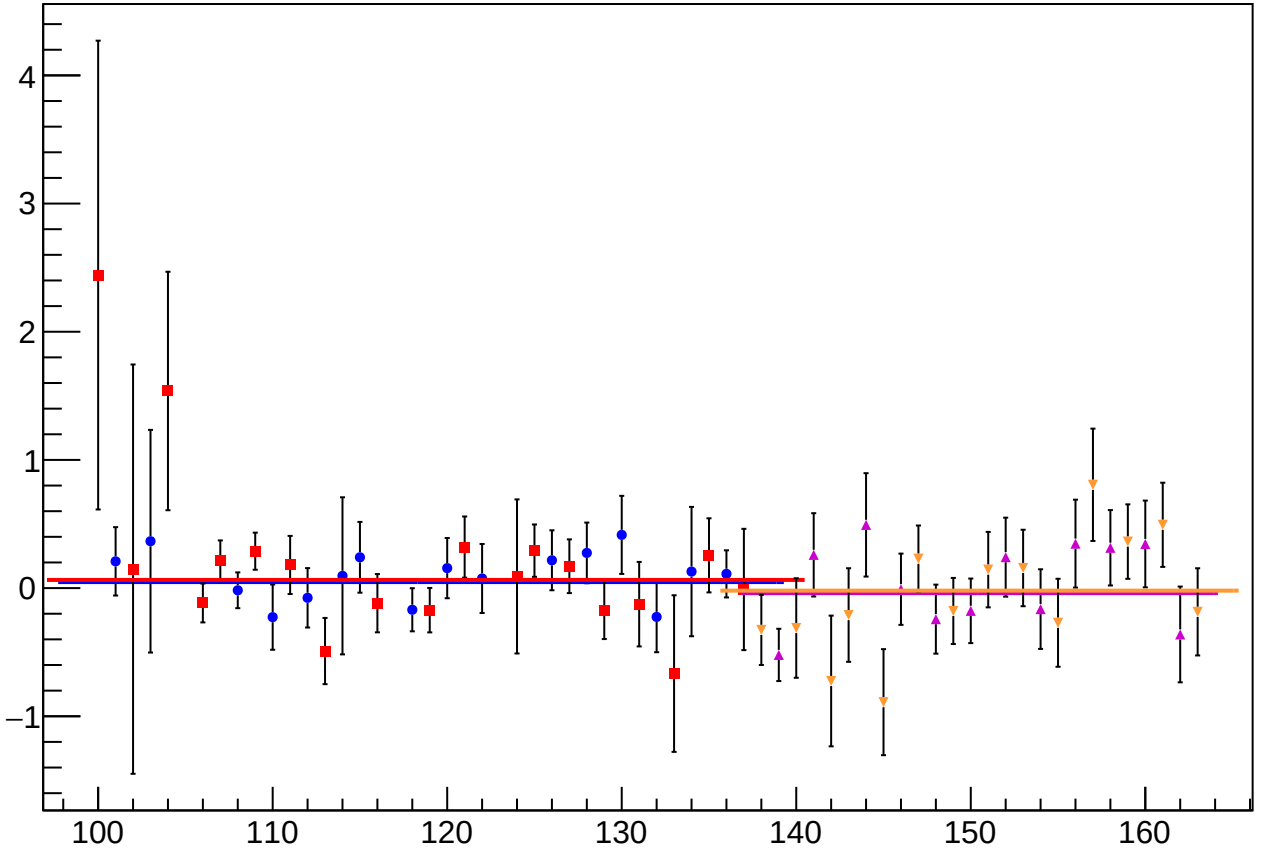
Left In: 0.005+/-0.000 χ^2/NDF:3690692.0/11

+ sign 0.006+/-0.000 χ^2/NDF: 9006438.2/29

All: 0.006+/-0.000 χ^2/NDF: 16842689.5/60

- sign 0.006+/-0.000 χ^2/NDF: 7802953.1/30

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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

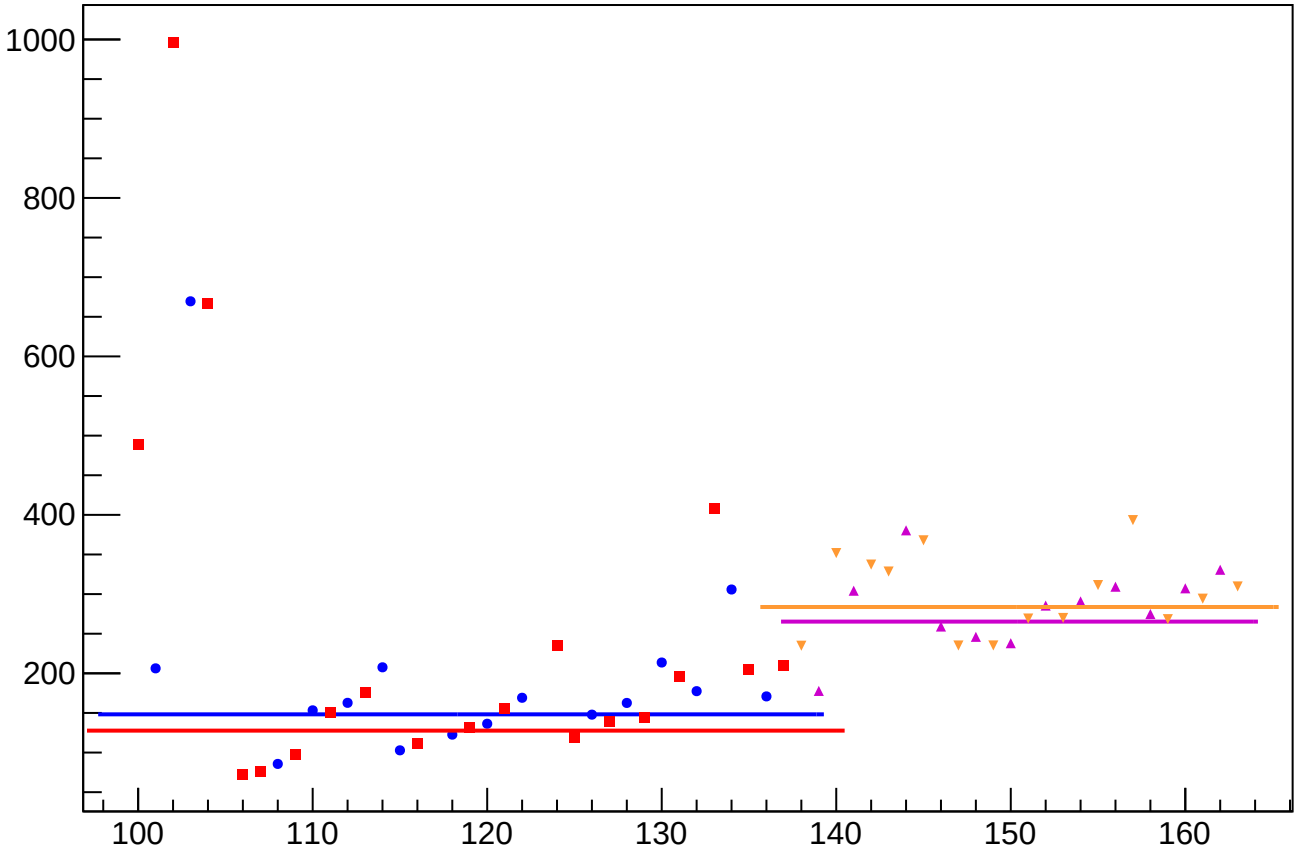
Left In: -0.039+/-0.085 χ^2/NDF:14.8/11

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.030+/-0.034 χ^2/NDF: 65.9/60

- sign 0.033+/-0.046 χ^2/NDF: 38.1/30

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: 283.714+/-0.061 χ^2/NDF:568231.1/13

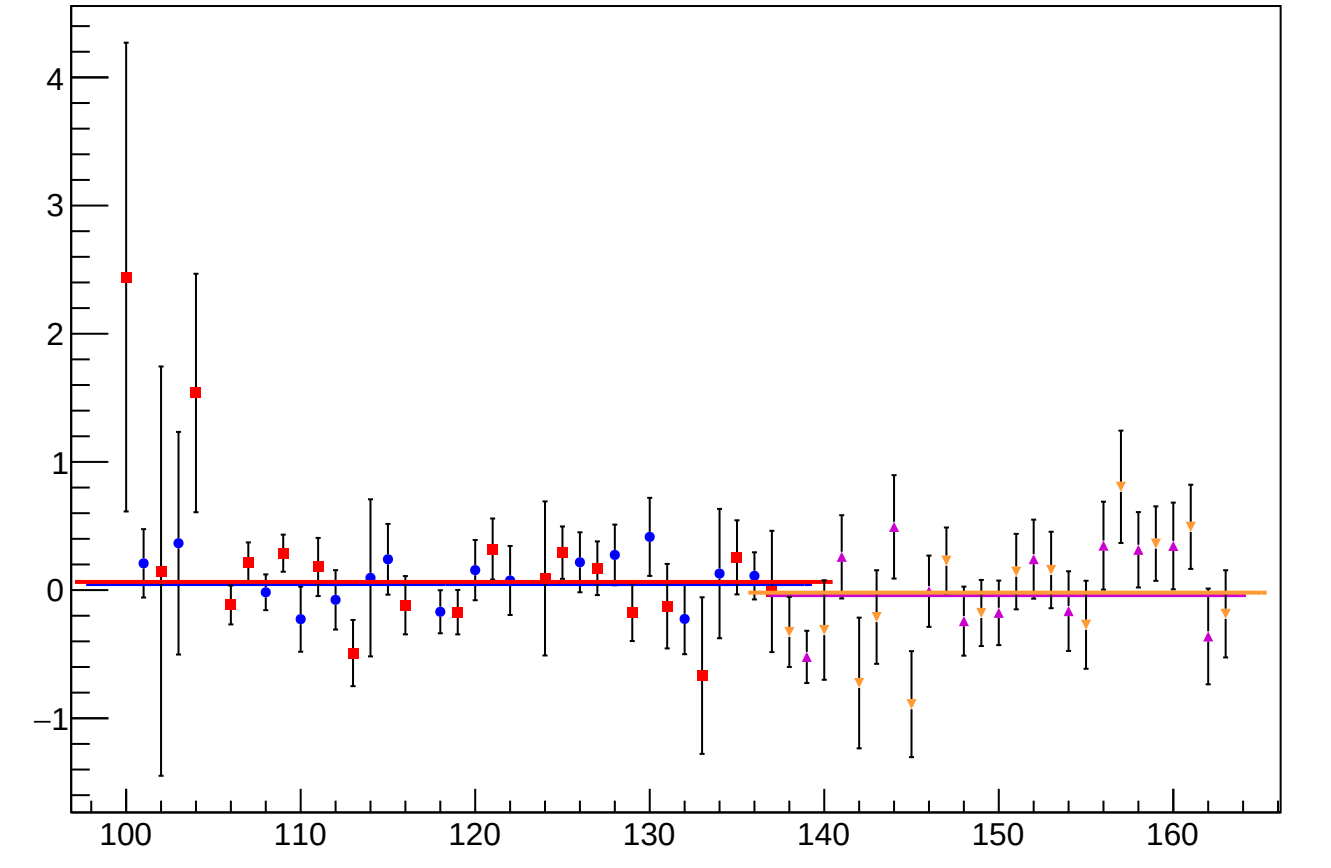
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 265.275+/-0.060 χ^2/NDF:743899.6/11

+ sign 192.218+/-0.035 χ^2/NDF: 5585360.2/29

All: 179.287+/-0.024 χ^2/NDF: 13146205.2/60

- sign 168.069+/-0.032 χ^2/NDF: 7304230.3/30



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

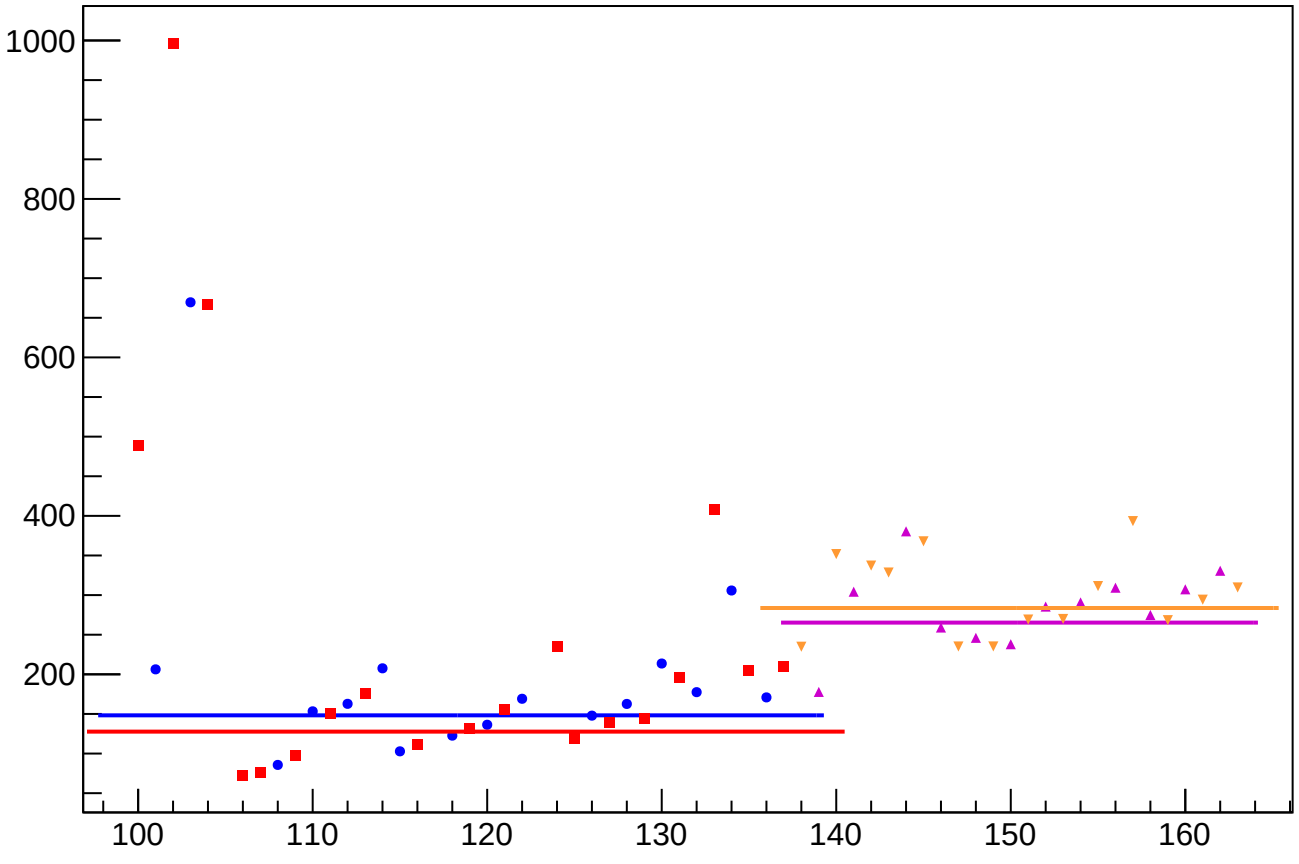
Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.039+/-0.085 χ^2/NDF:14.8/11

+ sign 0.025+/-0.049 χ^2/NDF: 27.9/29

All: 0.030+/-0.034 χ^2/NDF: 65.9/60

- sign 0.033+/-0.046 χ^2/NDF: 38.1/30



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 283.714+/-0.061 χ^2/NDF:568231.1/13

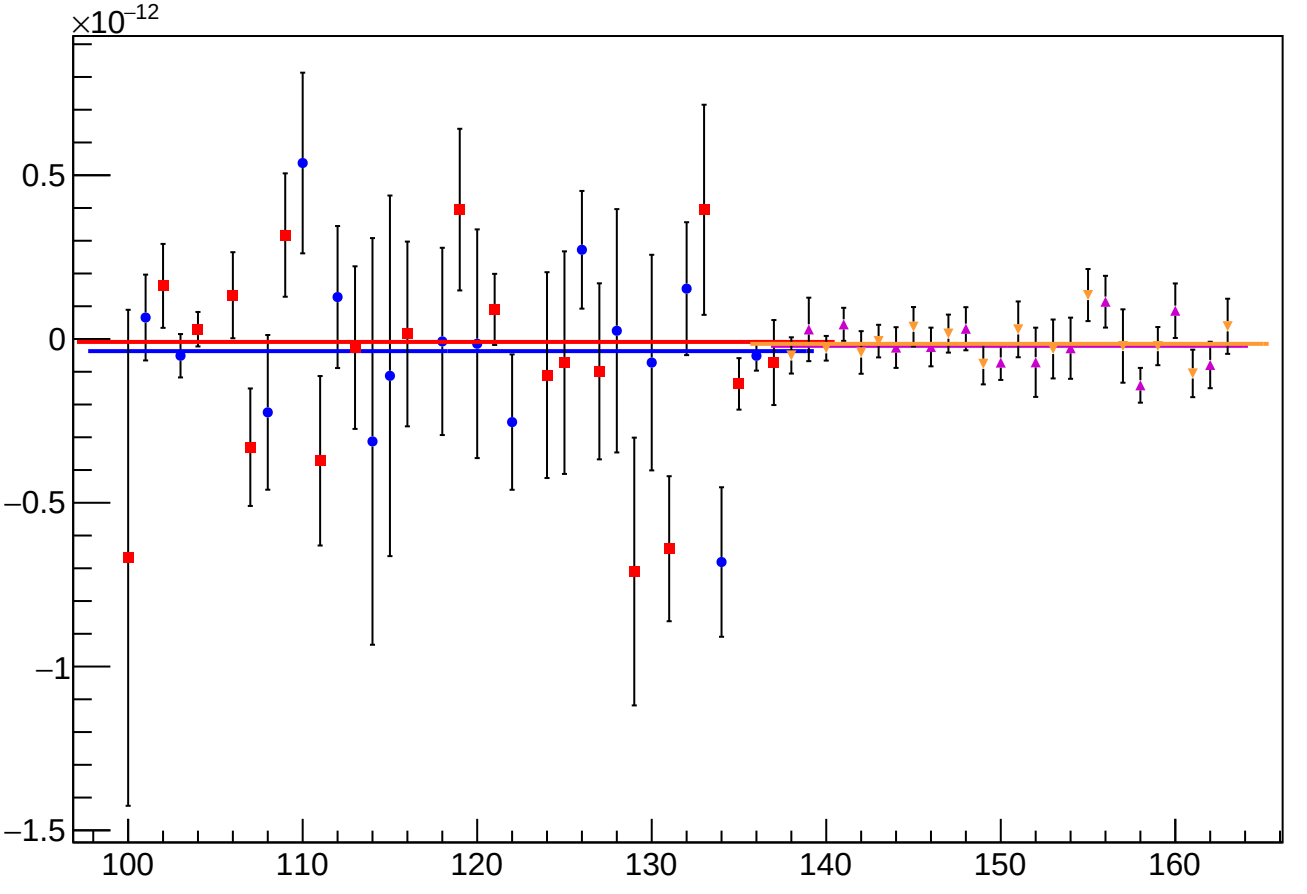
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 265.275+/-0.060 χ^2/NDF:743899.6/11

+ sign 192.218+/-0.035 χ^2/NDF: 5585360.2/29

All: 179.287+/-0.024 χ^2/NDF: 13146205.2/60

- sign 168.069+/-0.032 χ^2/NDF: 7304230.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/13

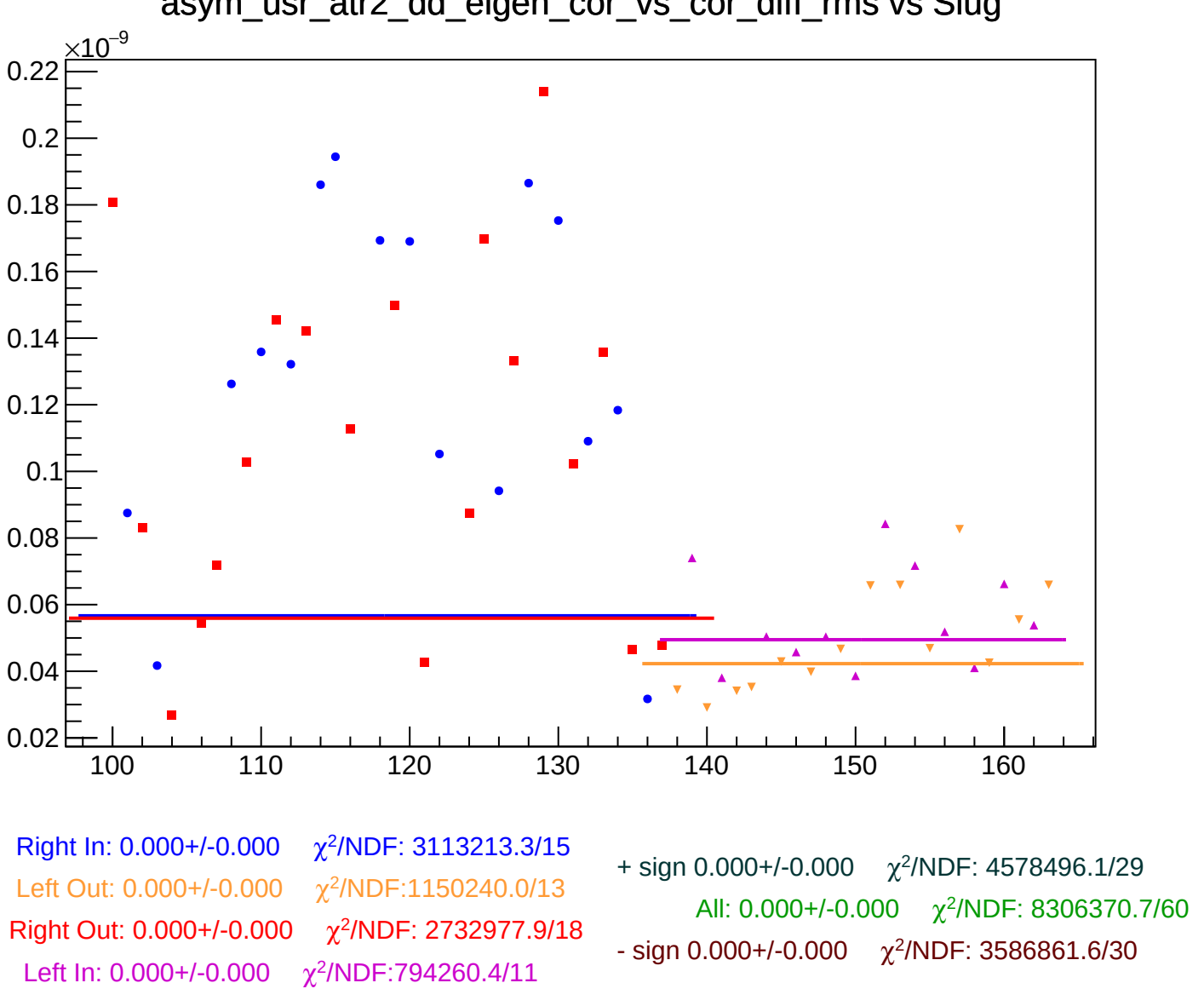
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/11

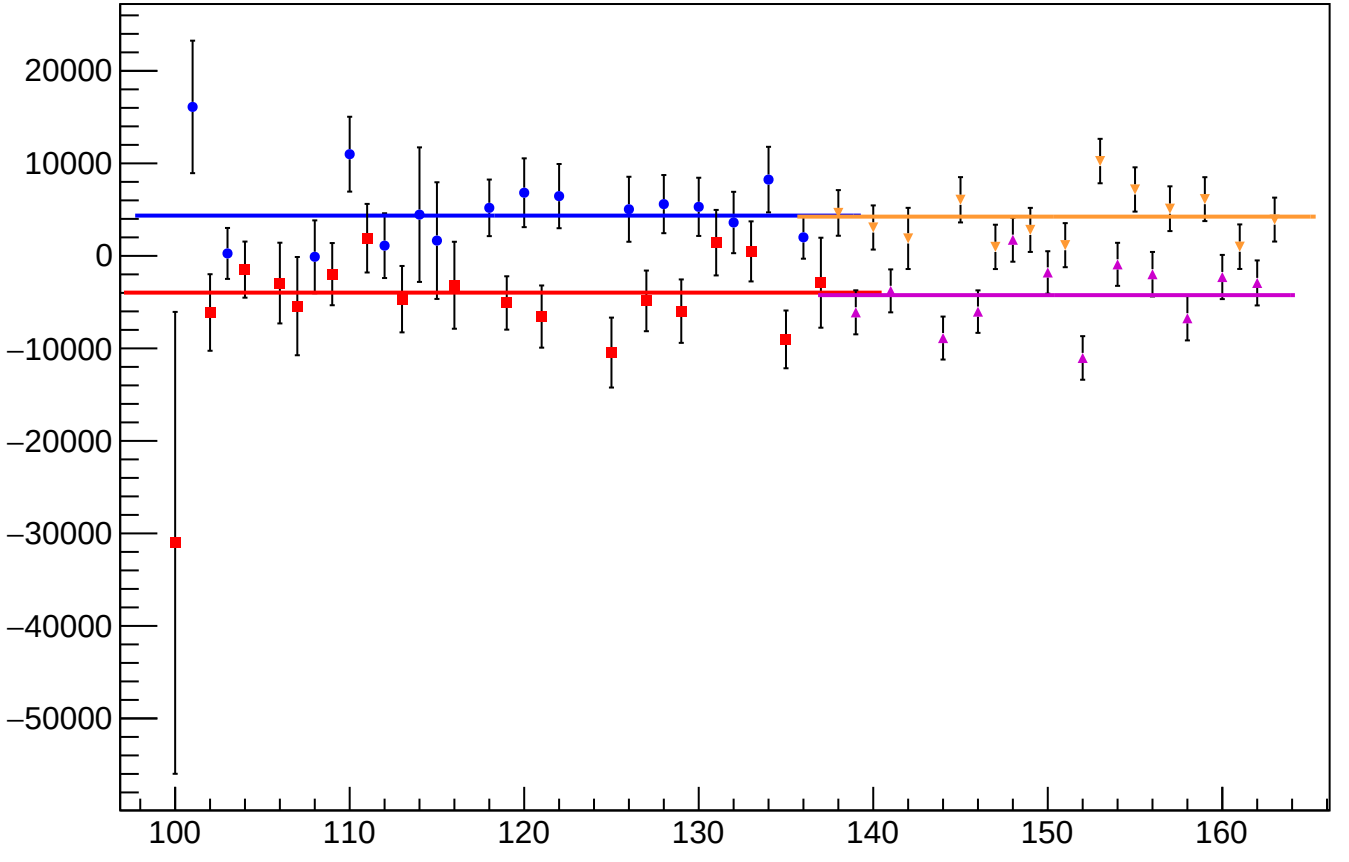
+ sign -0.000+/-0.000 χ^2/NDF: 28.4/29

All: -0.000+/-0.000 χ^2/NDF: 74.4/60

- sign -0.000+/-0.000 χ^2/NDF: 46.0/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1150240.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:794260.4/11
+ sign 0.000+/-0.000 χ²/NDF: 4578496.1/29
All: 0.000+/-0.000 χ²/NDF: 8306370.7/60
- sign 0.000+/-0.000 χ²/NDF: 3586861.6/30

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.340+/-678.694 χ^2/NDF:15.6/12

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

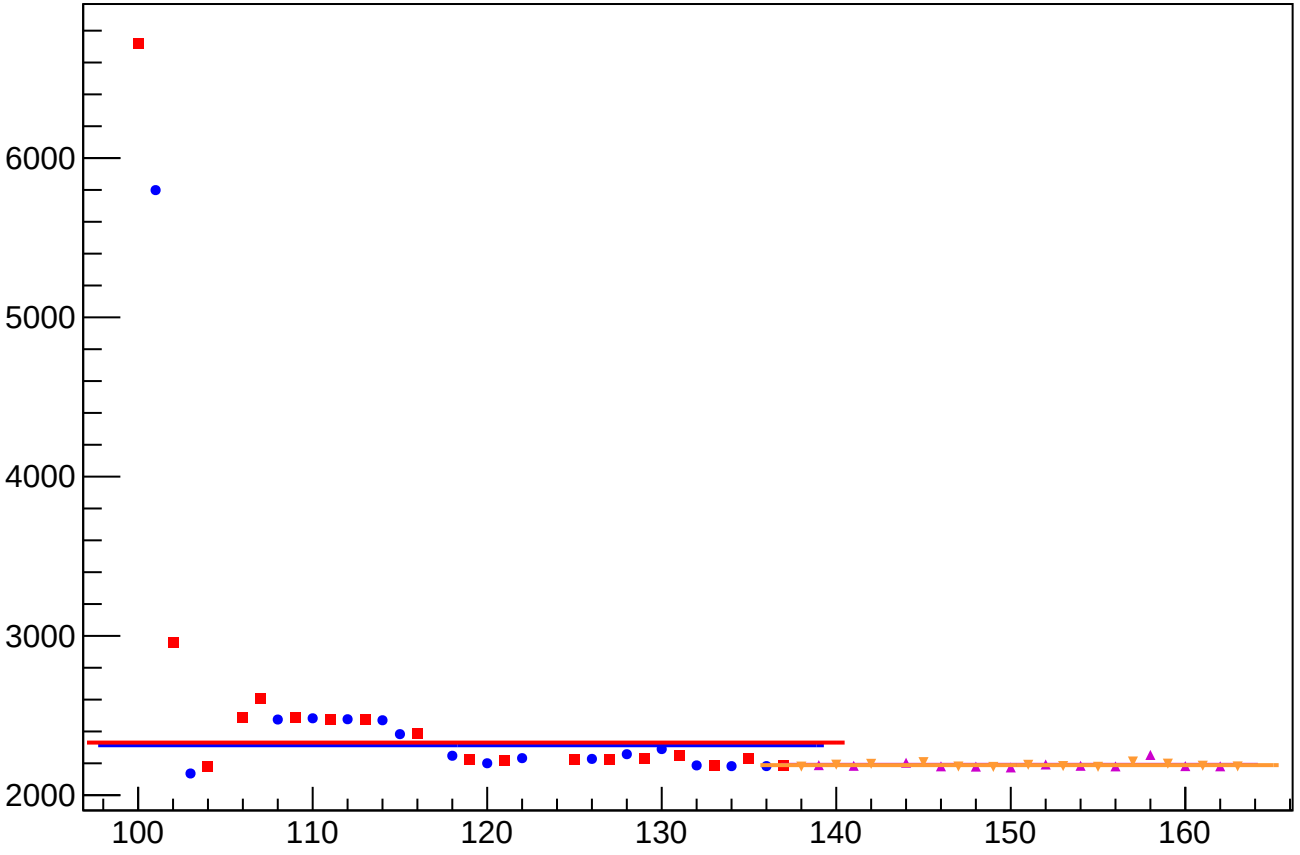
Left In: -4243.402+/-680.459 χ^2/NDF:26.0/11

+ sign 4285.030+/-536.317 χ^2/NDF: 29.0/28

All: 72.092+/-379.225 χ^2/NDF: 194.6/58

- sign -4140.461+/-536.292 χ^2/NDF: 42.3/29

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

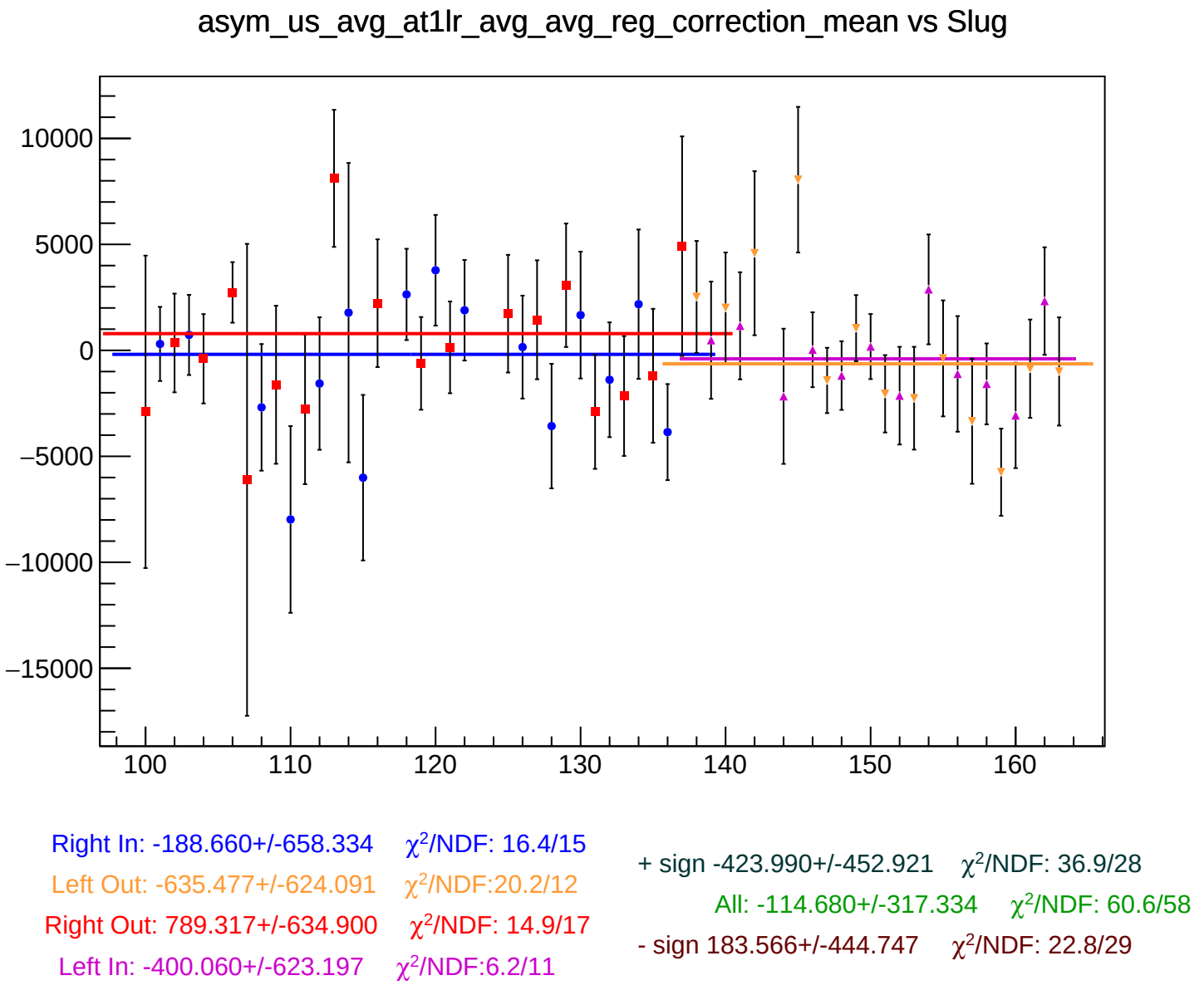
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

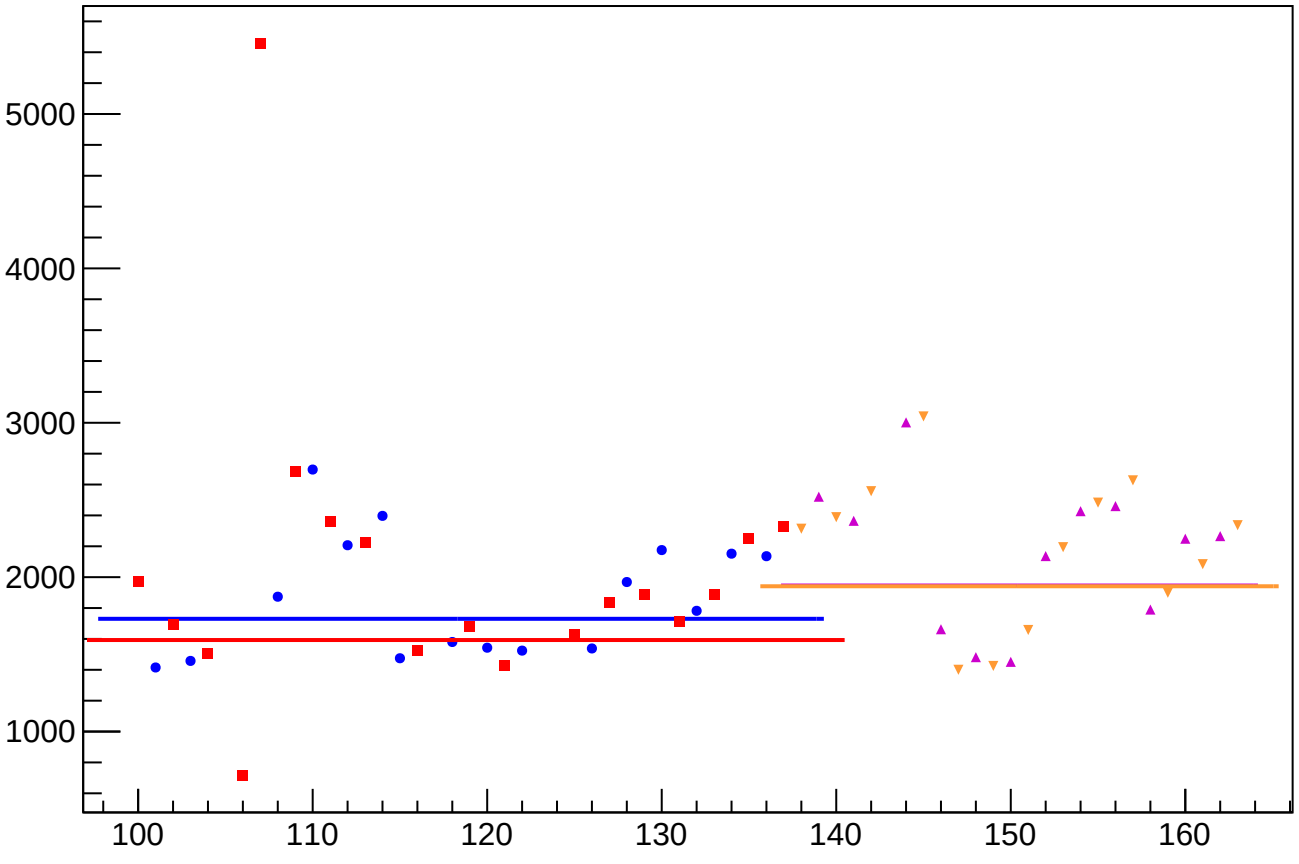
Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

+ sign 2235.472+/-0.379 χ^2/NDF: 538293.8/28

All: 2239.439+/-0.268 χ^2/NDF: 723366.3/58

- sign 2243.406+/-0.379 χ^2/NDF: 184853.6/29


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -635.477+/-624.091 χ²/NDF:20.2/12
Right Out: 789.317+/-634.900 χ²/NDF: 14.9/17
Left In: -400.060+/-623.197 χ²/NDF:6.2/11
+ sign -423.990+/-452.921 χ²/NDF: 36.9/28
All: -114.680+/-317.334 χ²/NDF: 60.6/58
- sign 183.566+/-444.747 χ²/NDF: 22.8/29



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1941.058+/-0.441 χ^2/NDF:1132239.7/12

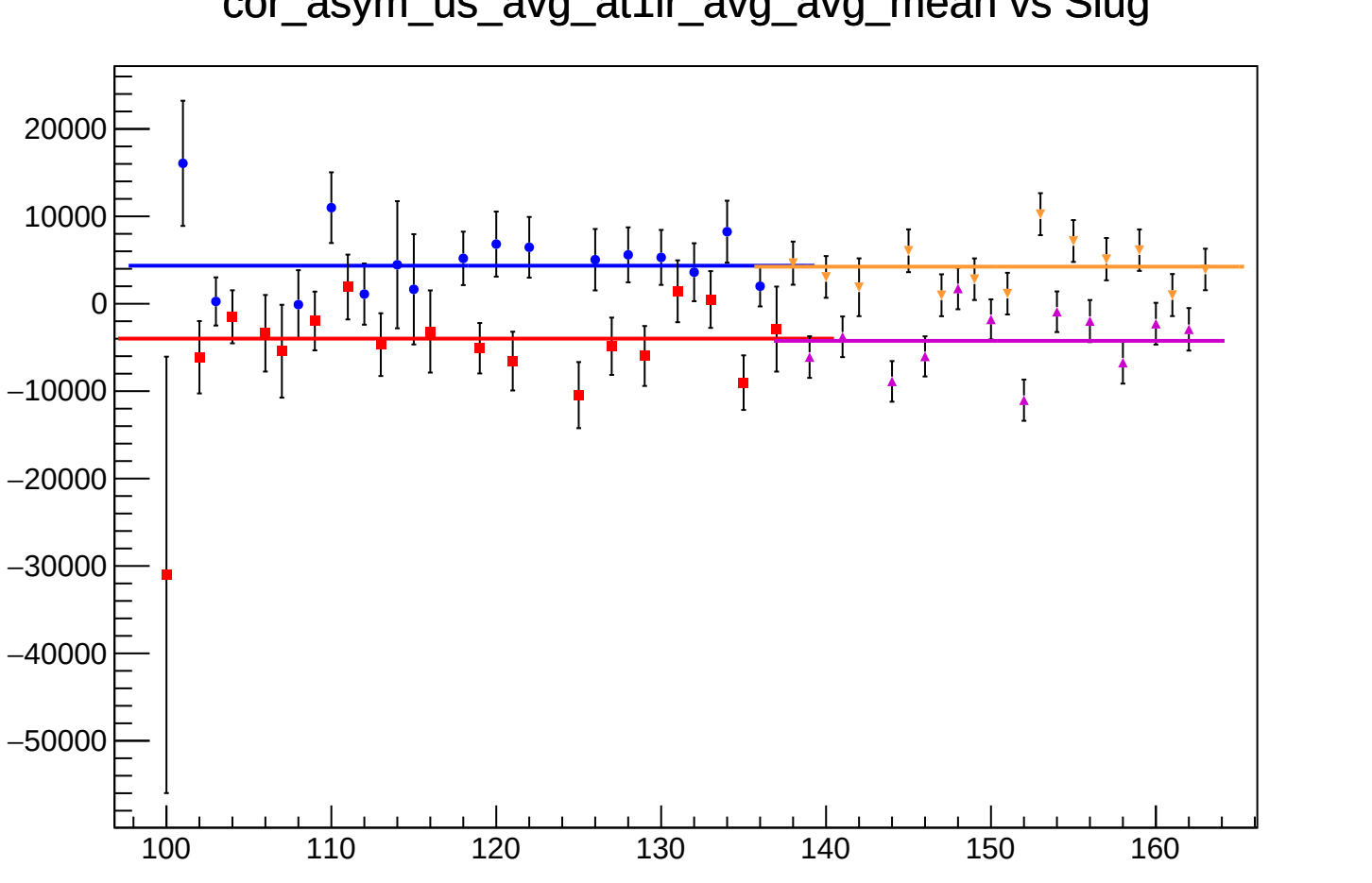
Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1945.943+/-0.441 χ^2/NDF:1012846.0/11

+ sign 1841.297+/-0.320 χ^2/NDF: 1719142.2/28

All: 1806.358+/-0.224 χ^2/NDF: 4626662.3/58

- sign 1772.668+/-0.314 χ^2/NDF: 2884142.5/29



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

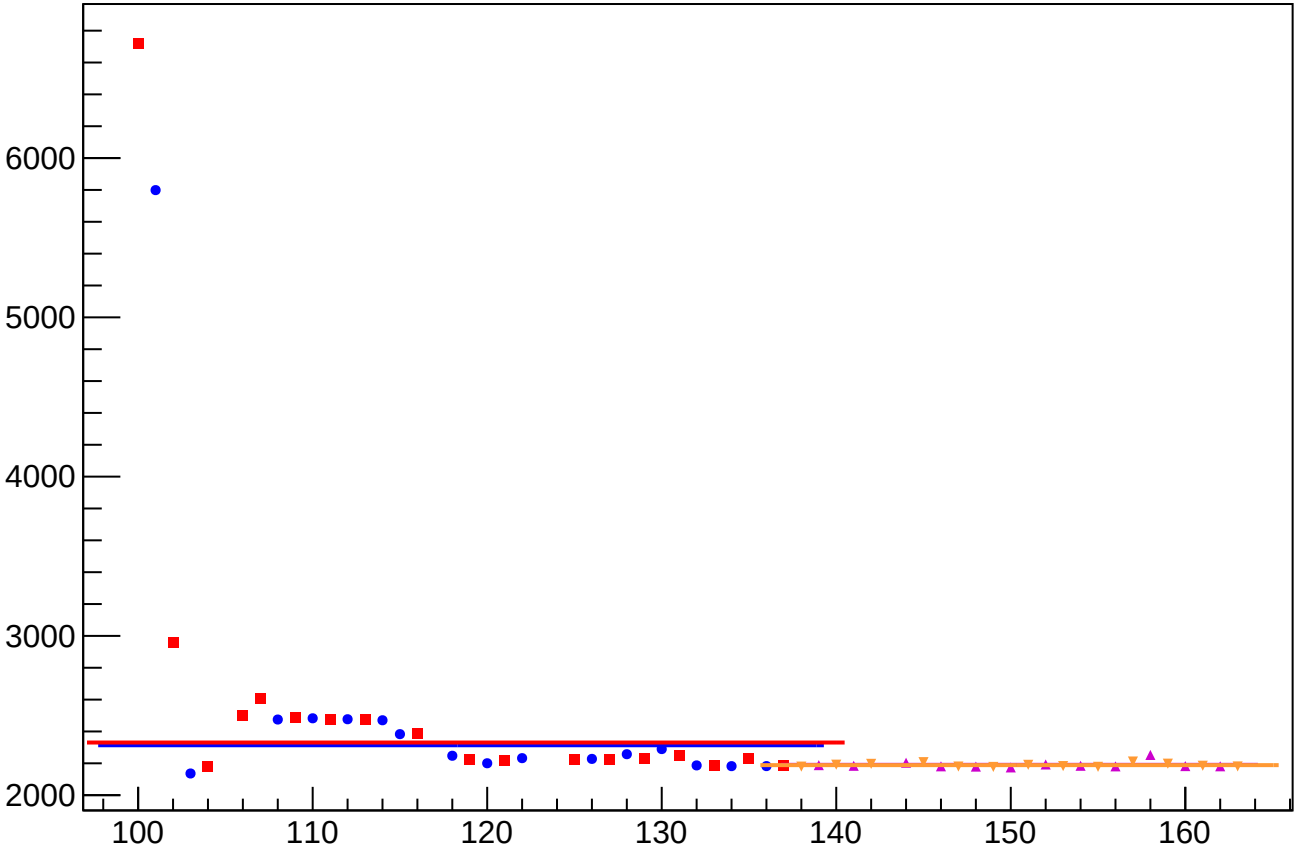
Left In: -4243.578+/-680.459 χ^2/NDF:26.0/11

+ sign 4284.716+/-536.317 χ^2/NDF: 29.0/28

All: 68.697+/-379.237 χ^2/NDF: 194.8/58

- sign -4147.488+/-536.327 χ^2/NDF: 42.2/29

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

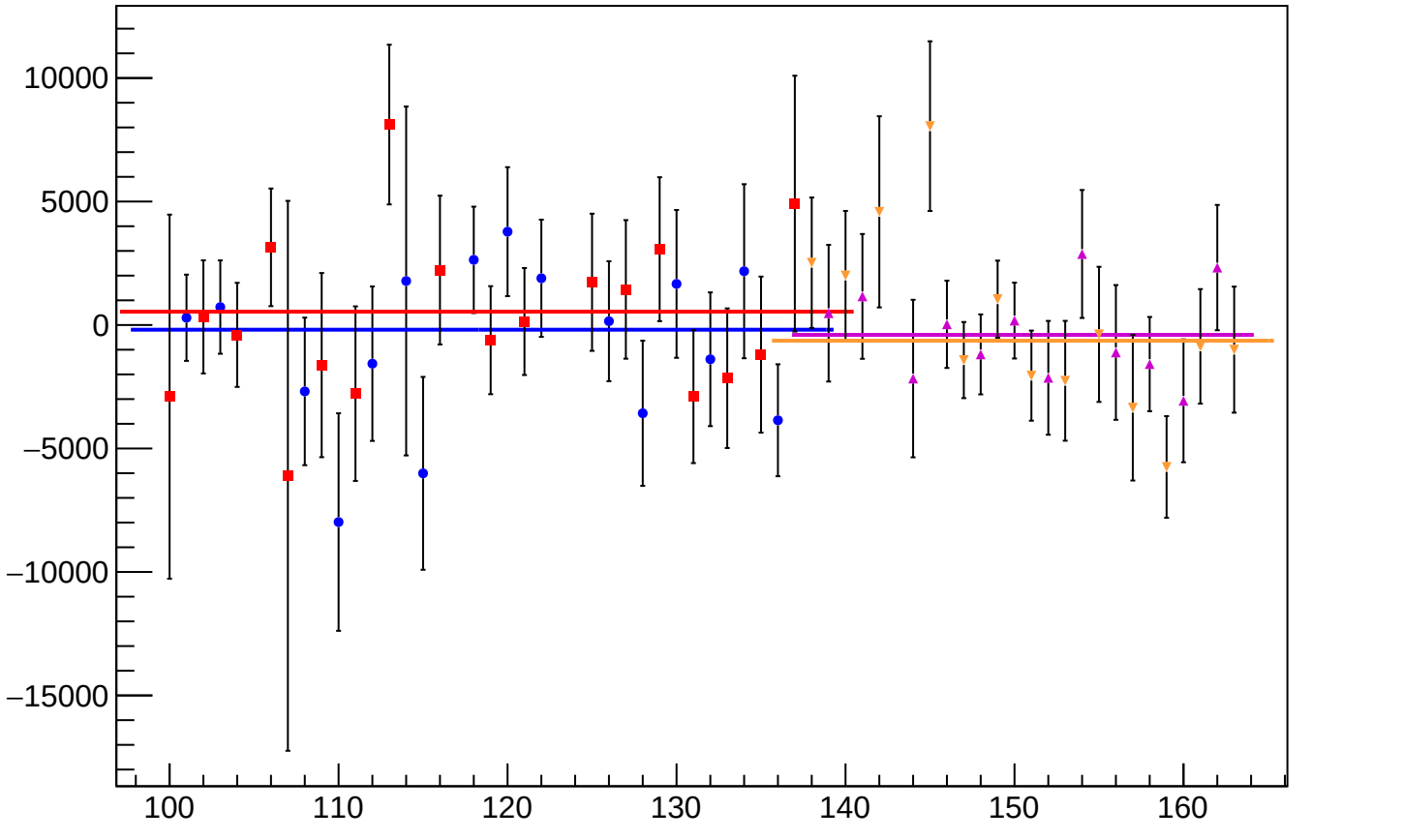
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

+ sign 2235.472+/-0.379 χ^2/NDF: 538294.2/28

All: 2239.503+/-0.268 χ^2/NDF: 723882.2/58

- sign 2243.535+/-0.379 χ^2/NDF: 185362.0/29



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -635.648+/-624.092 χ^2/NDF:20.2/12

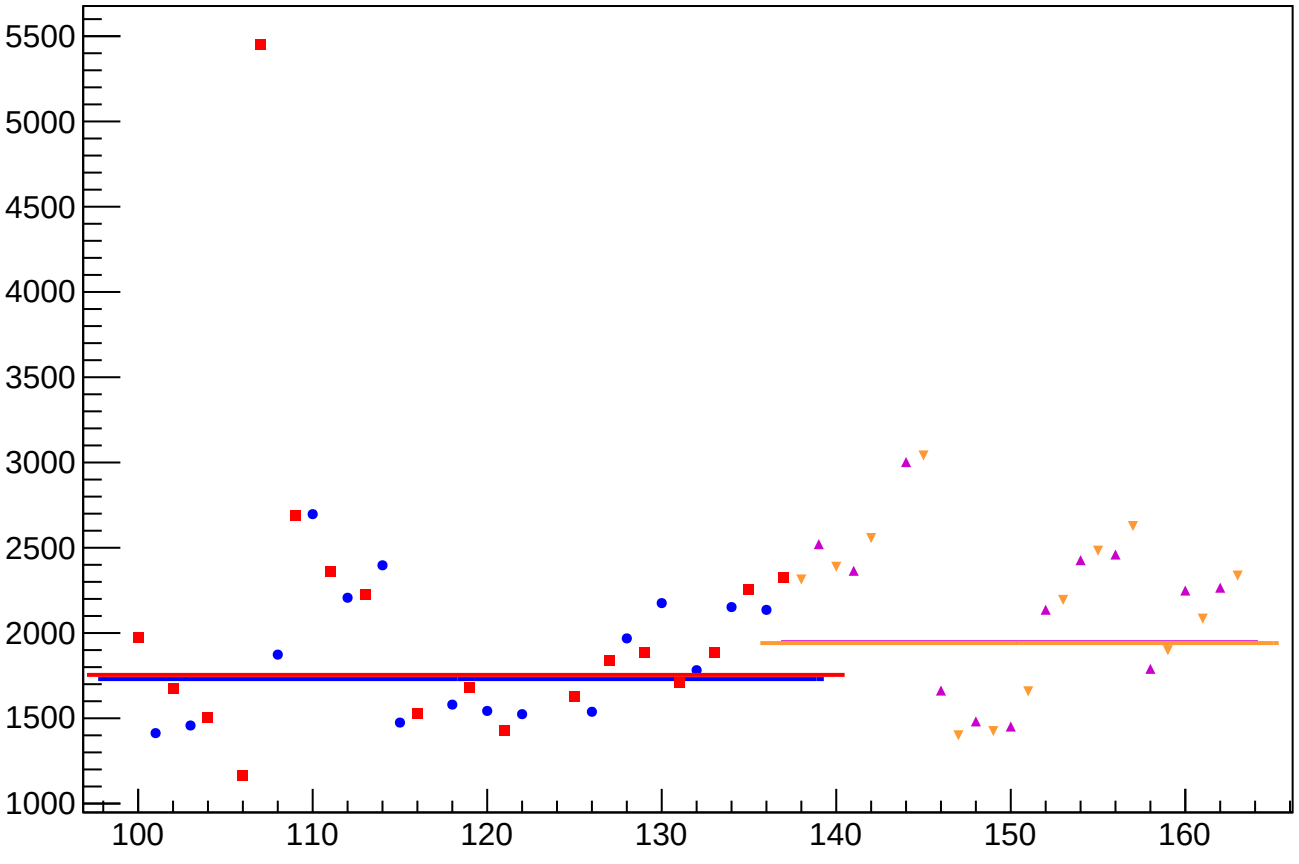
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -400.195+/-623.198 χ^2/NDF:6.2/11

+ sign -424.558+/-452.880 χ^2/NDF: 36.9/28

All: -200.271+/-322.337 χ^2/NDF: 58.5/58

- sign 30.006+/-458.887 χ^2/NDF: 21.1/29



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

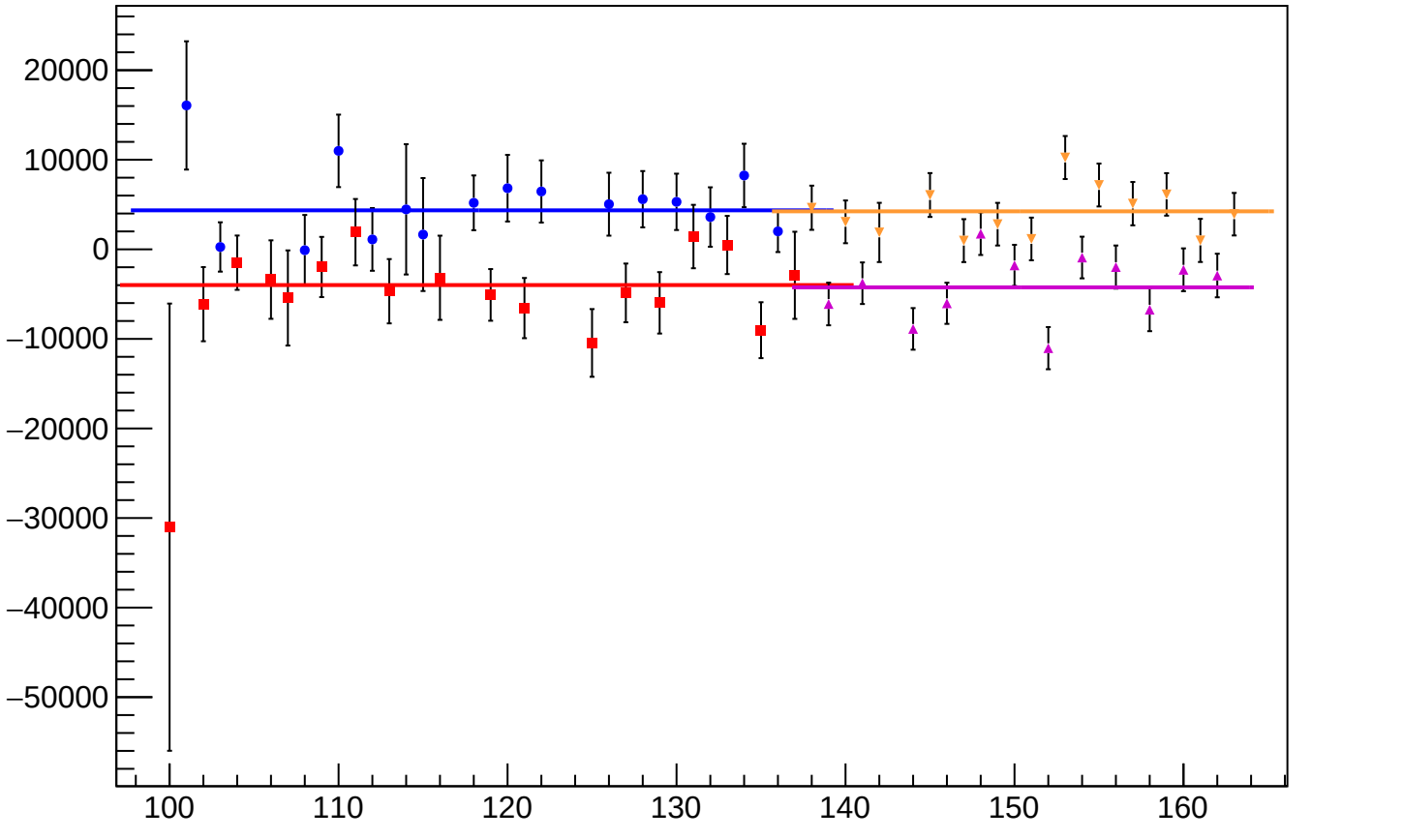
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1945.947+/-0.441 χ^2/NDF:1012865.3/11

+ sign 1841.093+/-0.320 χ^2/NDF: 1720574.2/28

All: 1849.590+/-0.228 χ^2/NDF: 3572260.6/58

- sign 1858.315+/-0.324 χ^2/NDF: 1850259.4/29



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

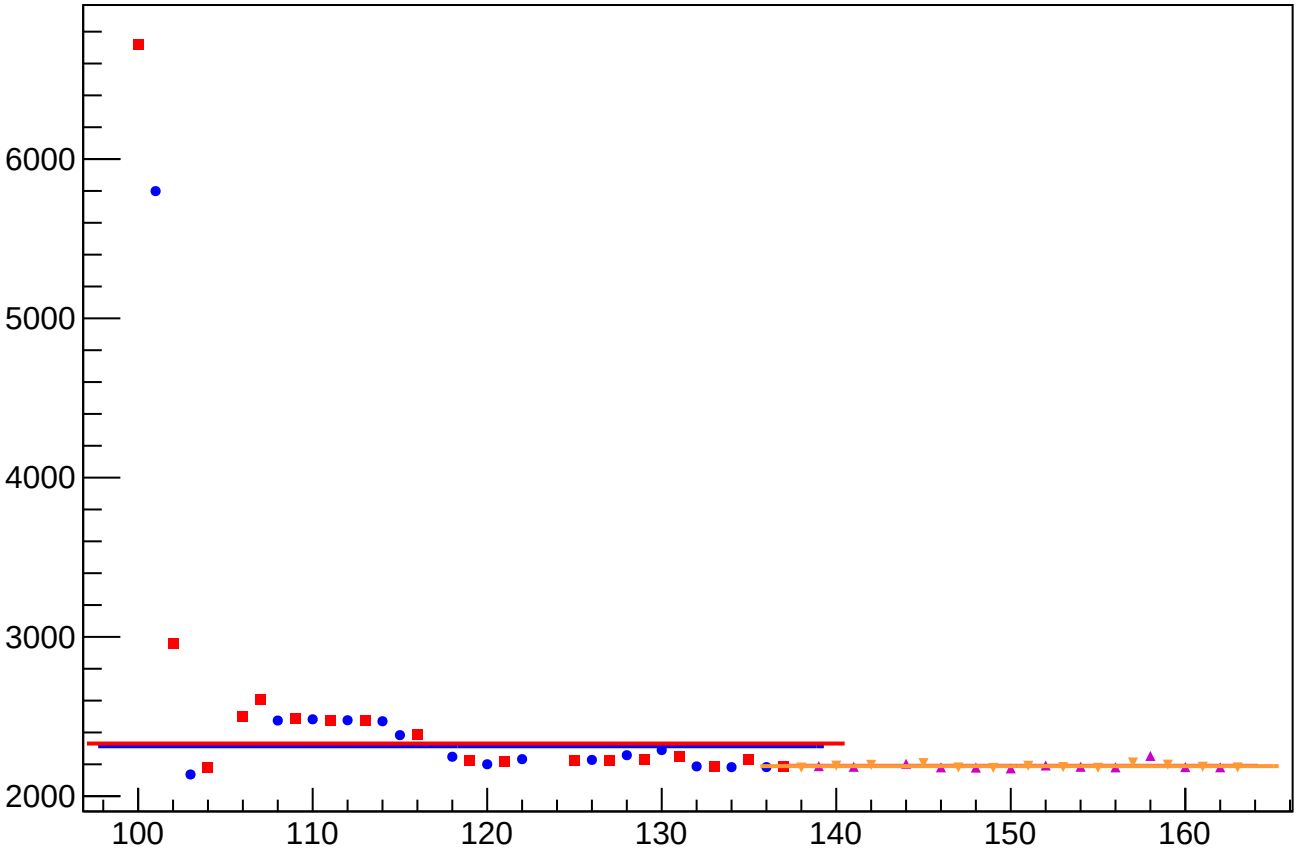
Left In: -4243.578+/-680.459 χ^2/NDF:26.0/11

+ sign 4284.716+/-536.317 χ^2/NDF: 29.0/28

All: 68.697+/-379.237 χ^2/NDF: 194.8/58

- sign -4147.488+/-536.327 χ^2/NDF: 42.2/29

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: 2188.596+/-0.480 χ^2/NDF:518.1/12

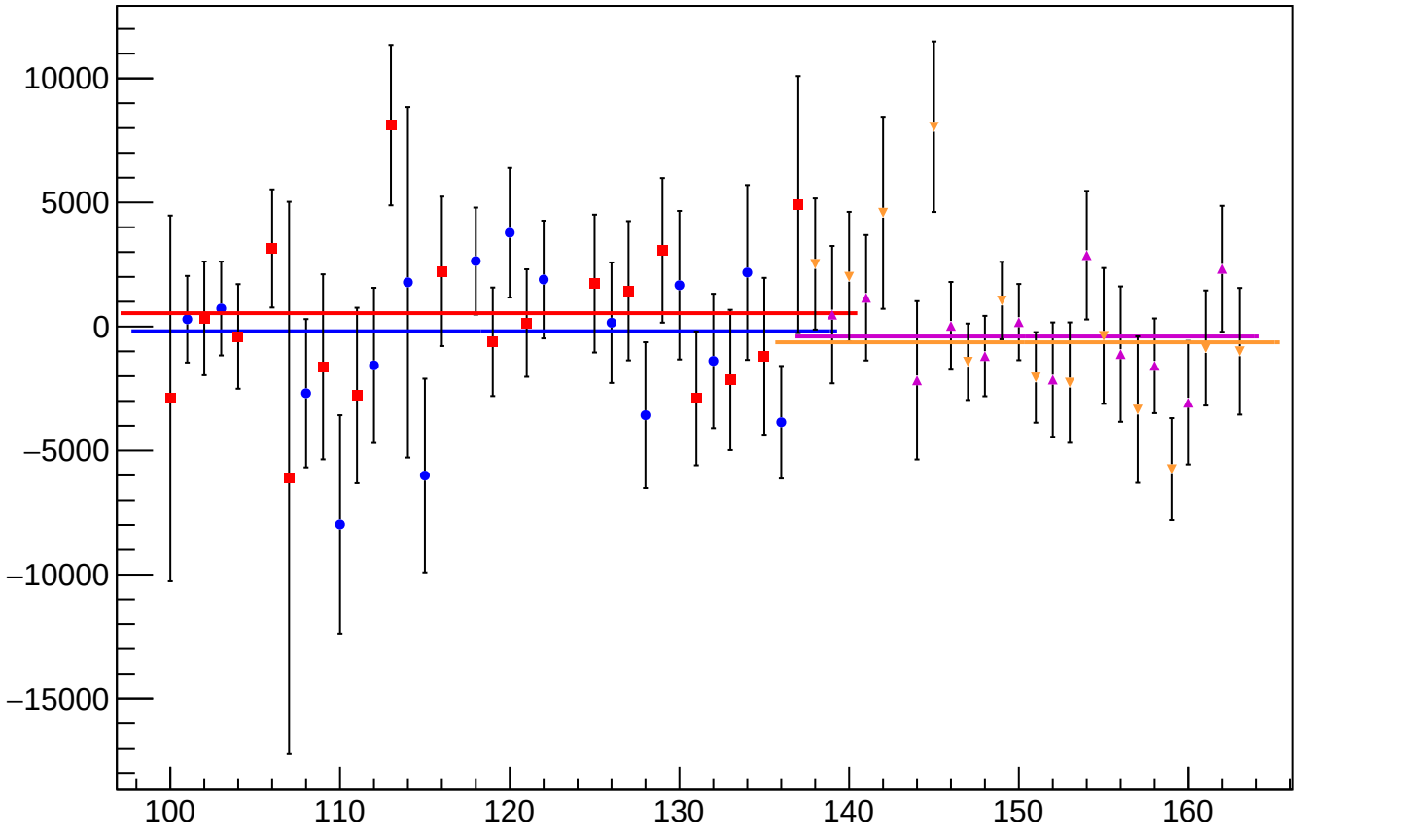
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

+ sign 2235.472+/-0.379 χ^2/NDF: 538294.2/28

All: 2239.503+/-0.268 χ^2/NDF: 723882.2/58

- sign 2243.535+/-0.379 χ^2/NDF: 185362.0/29



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -635.648+/-624.092 χ^2/NDF:20.2/12

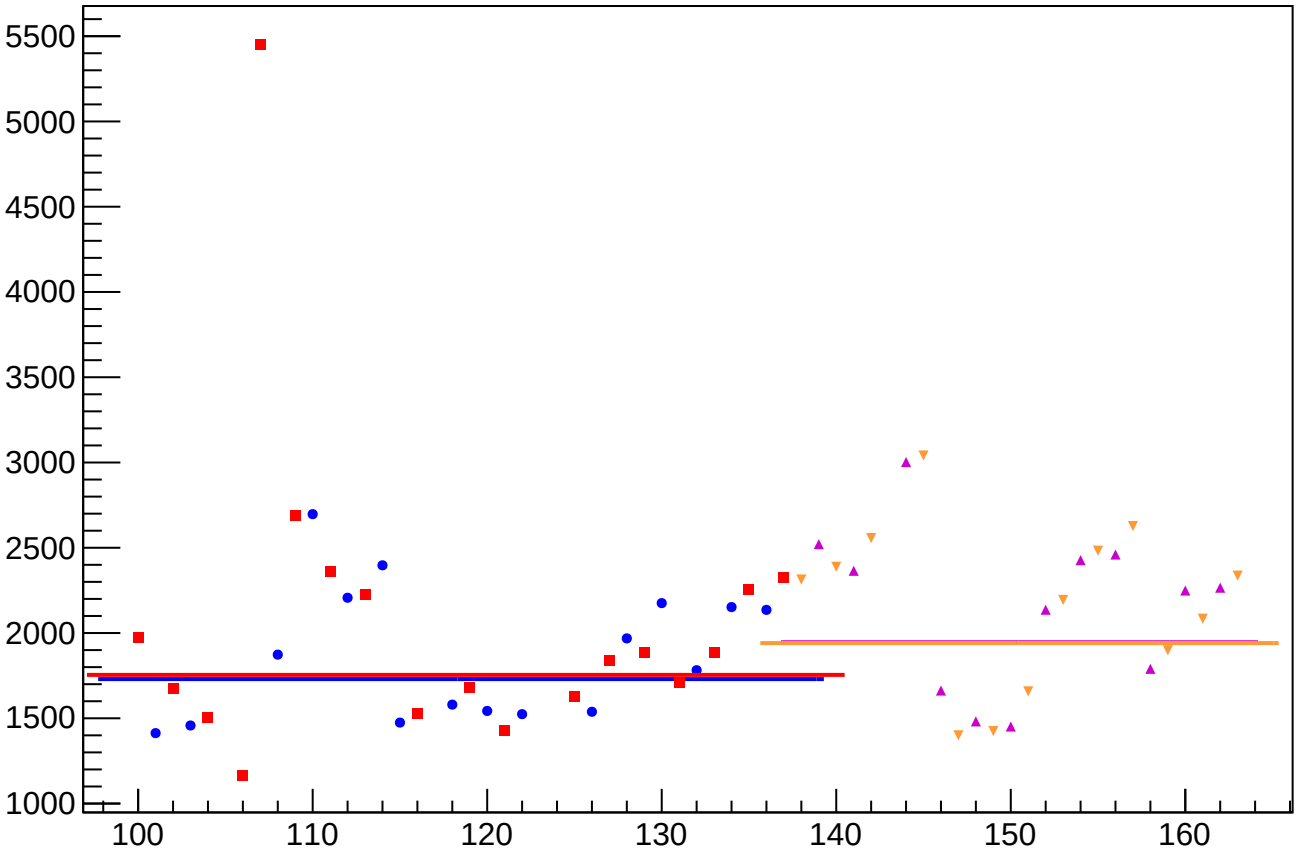
Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -400.195+/-623.198 χ^2/NDF:6.2/11

+ sign -424.558+/-452.880 χ^2/NDF: 36.9/28

All: -200.271+/-322.337 χ^2/NDF: 58.5/58

- sign 30.006+/-458.887 χ^2/NDF: 21.1/29



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

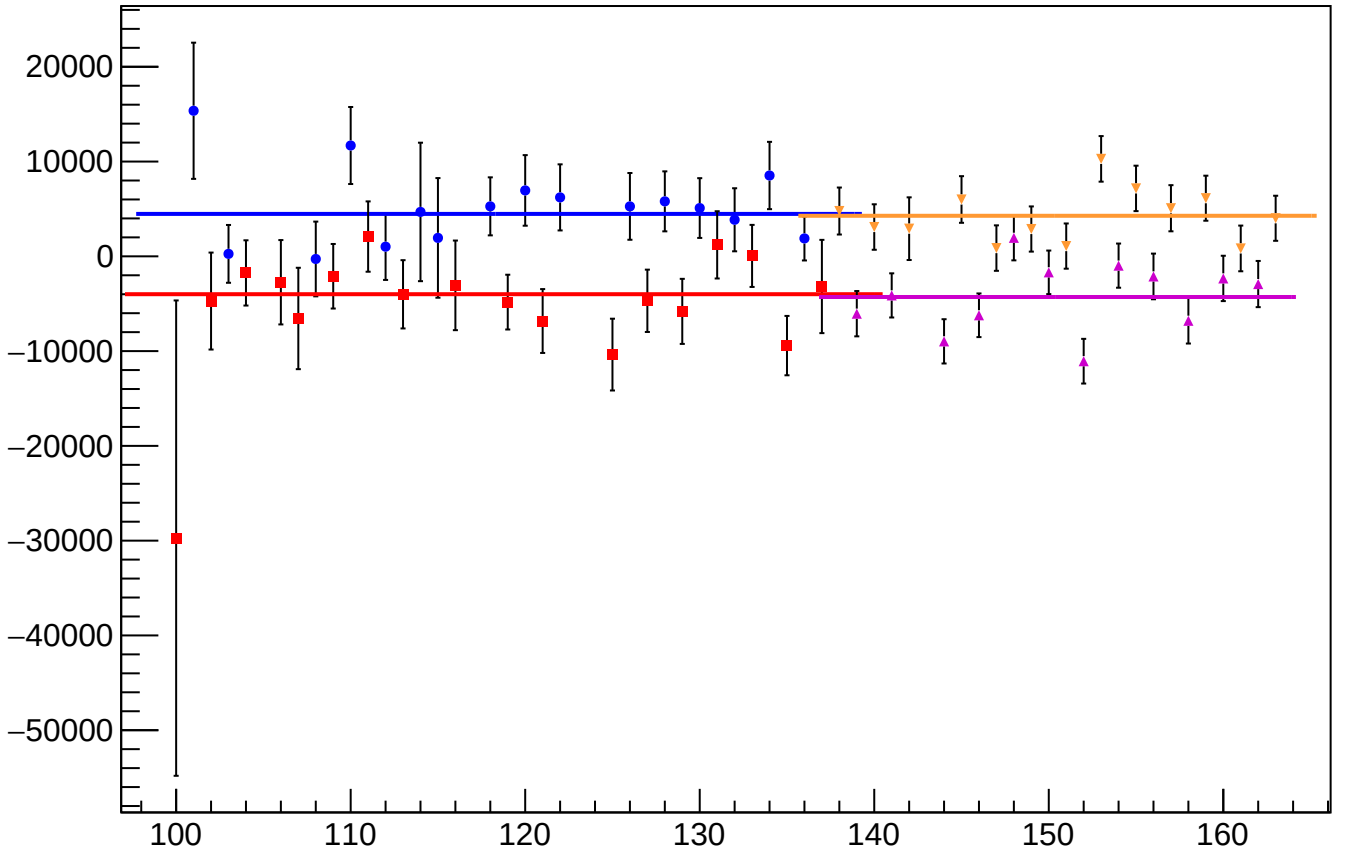
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1945.947+/-0.441 χ^2/NDF:1012865.3/11

+ sign 1841.093+/-0.320 χ^2/NDF: 1720574.2/28

All: 1849.590+/-0.228 χ^2/NDF: 3572260.6/58

- sign 1858.315+/-0.324 χ^2/NDF: 1850259.4/29



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4278.525+/-680.365 χ^2/NDF:15.6/12

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

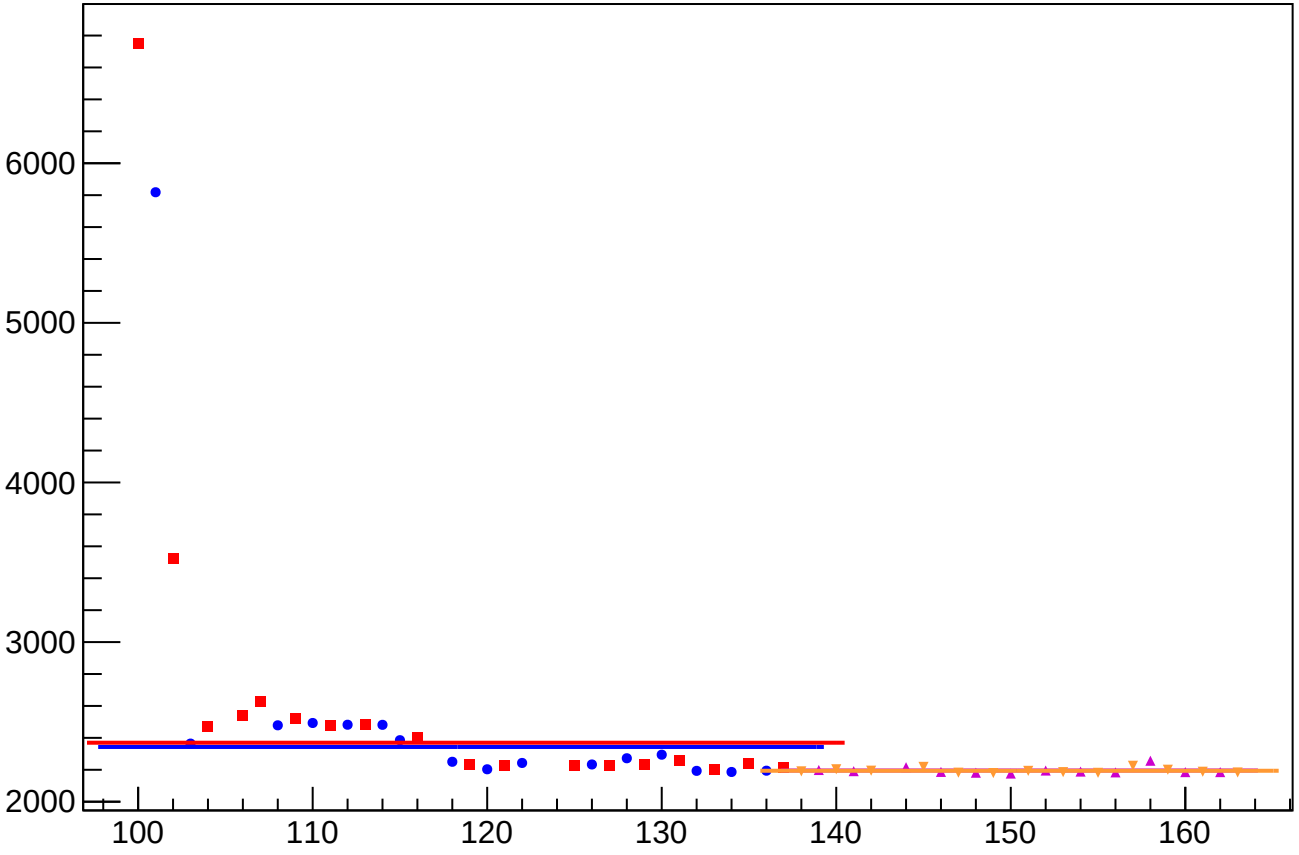
Left In: -4290.833+/-682.028 χ^2/NDF:26.6/11

+ sign 4351.928+/-539.638 χ^2/NDF: 29.1/28

All: 99.394+/-382.221 χ^2/NDF: 195.9/58

- sign -4181.747+/-541.451 χ^2/NDF: 42.1/29

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.881+/-0.481 χ^2/NDF:835.3/12

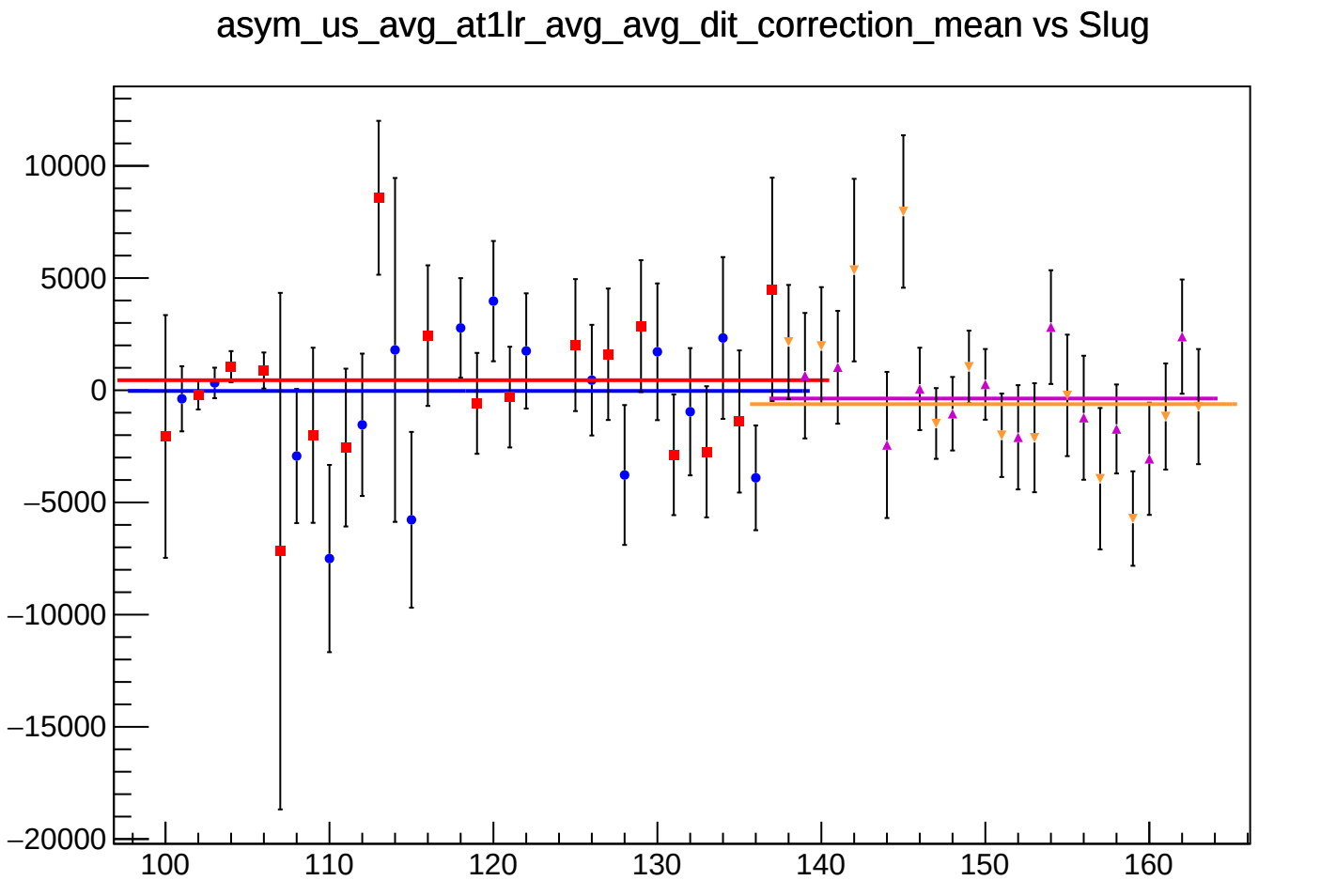
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.445+/-0.482 χ^2/NDF:1833.2/11

+ sign 2249.157+/-0.382 χ^2/NDF: 539294.7/28

All: 2254.475+/-0.270 χ^2/NDF: 799867.7/58

- sign 2259.829+/-0.383 χ^2/NDF: 260183.2/29



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -618.658+/-634.150 χ^2/NDF:20.1/12

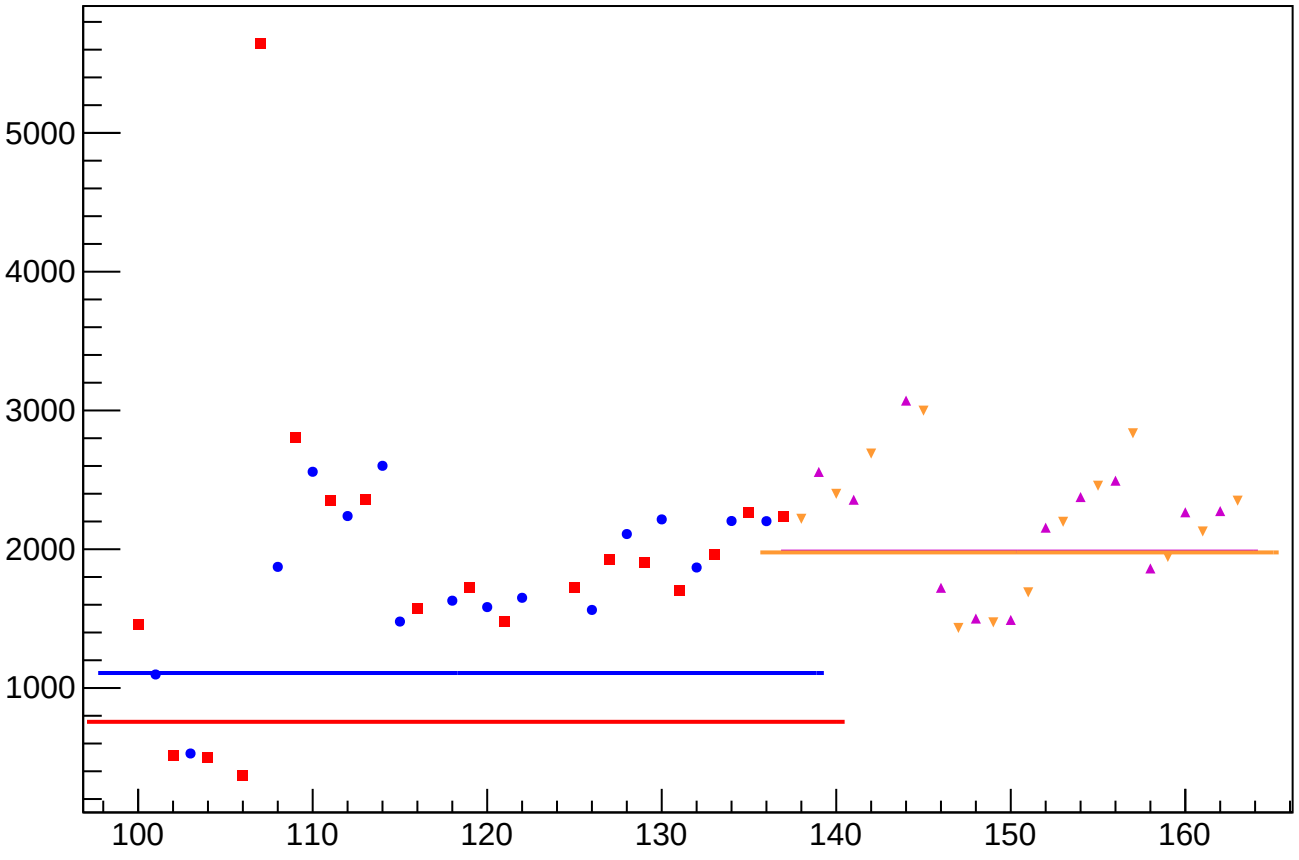
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -369.236+/-633.343 χ^2/NDF:6.3/11

+ sign -248.311+/-385.410 χ^2/NDF: 36.9/28

All: 48.583+/-243.742 χ^2/NDF: 60.5/58

- sign 246.478+/-314.658 χ^2/NDF: 22.6/29



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1977.113+/-0.448 χ^2/NDF:1072631.6/12

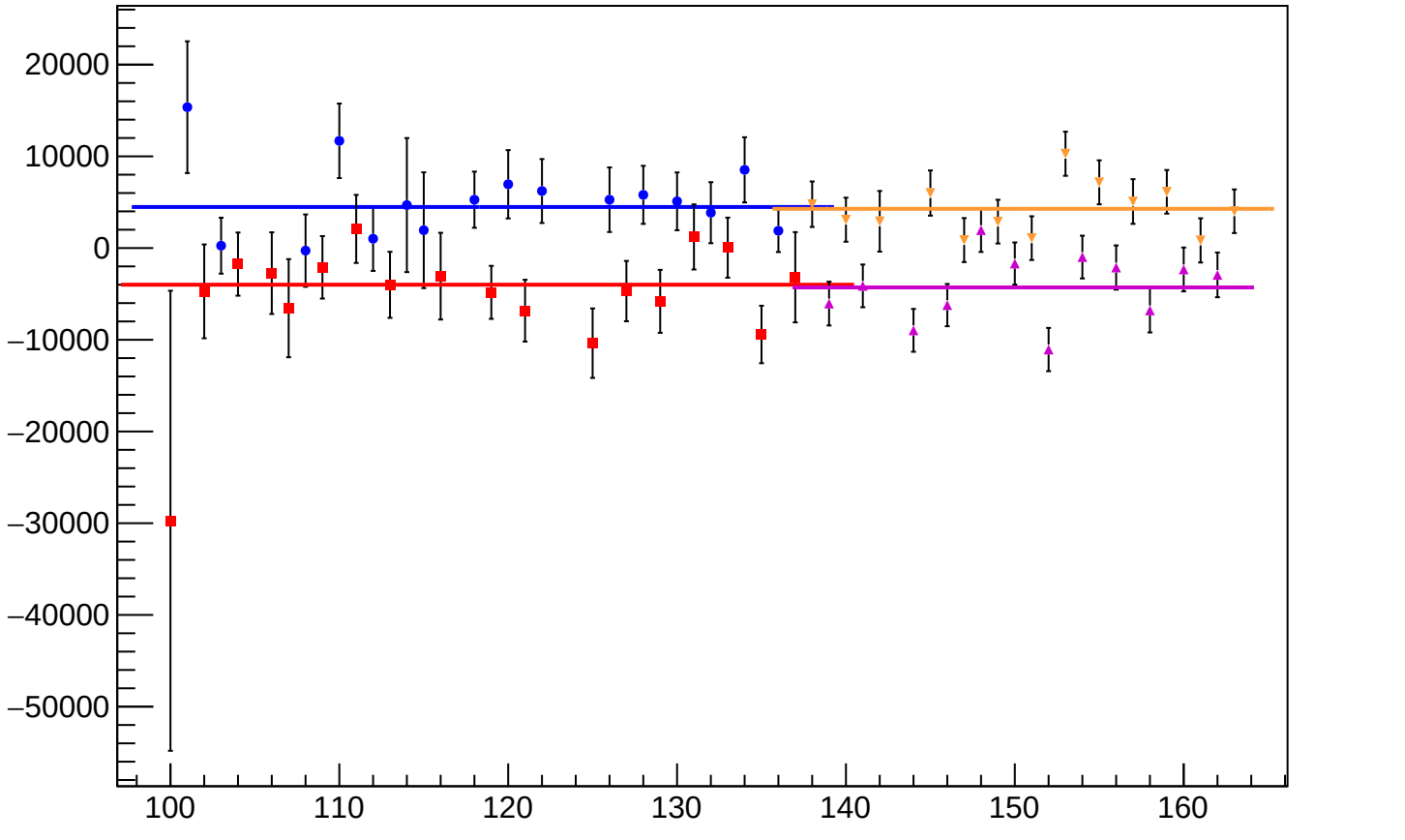
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1982.858+/-0.448 χ^2/NDF:947887.6/11

+ sign 1429.113+/-0.273 χ^2/NDF: 7187392.6/28

All: 1207.114+/-0.172 χ^2/NDF: 20492911.0/5

- sign 1059.142+/-0.222 χ^2/NDF: 12199656.1/29



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4278.523+/-680.365 χ^2/NDF:15.6/12

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

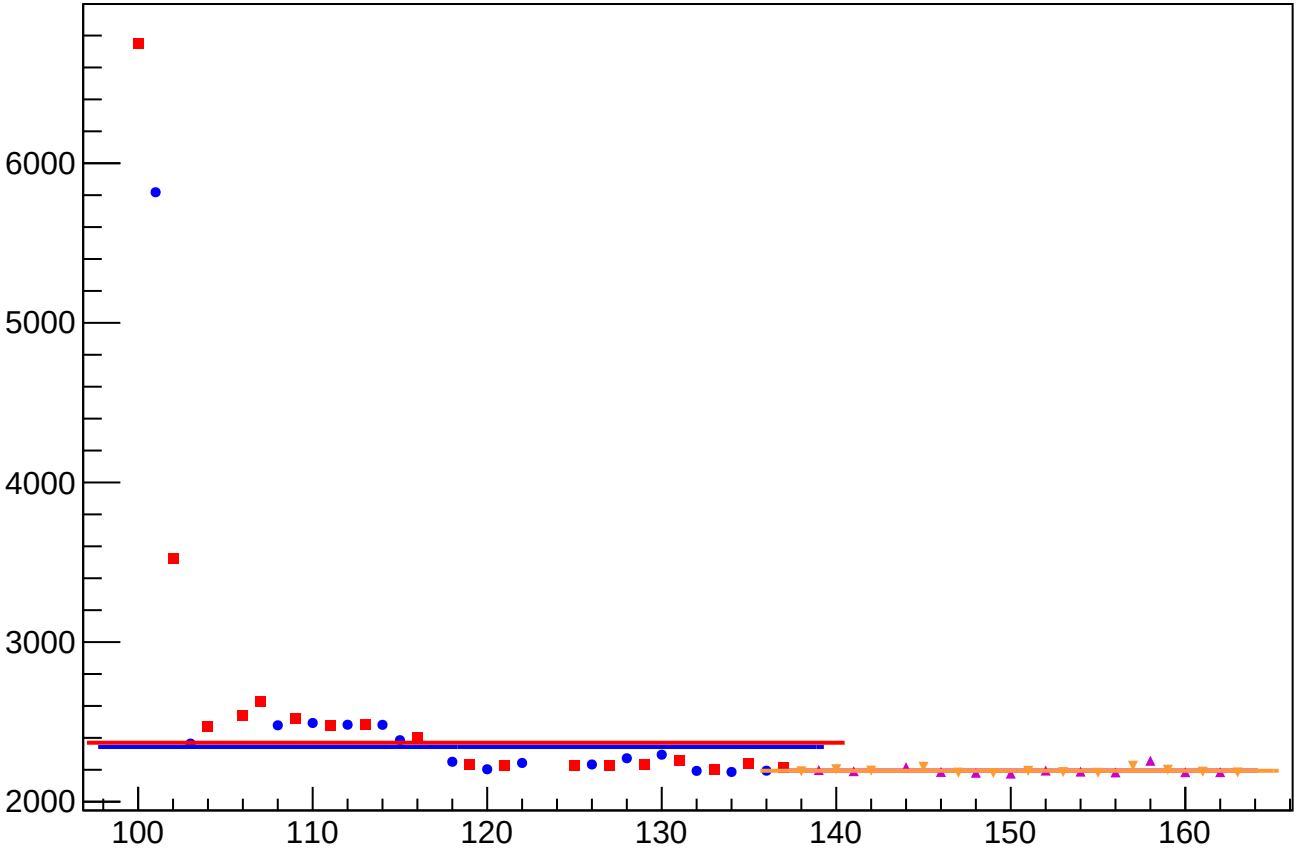
Left In: -4290.834+/-682.028 χ^2/NDF:26.6/11

+ sign 4351.925+/-539.638 χ^2/NDF: 29.1/28

All: 99.393+/-382.221 χ^2/NDF: 195.9/58

- sign -4181.747+/-541.451 χ^2/NDF: 42.1/29

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: 2193.881+/-0.481 χ^2/NDF:835.3/12

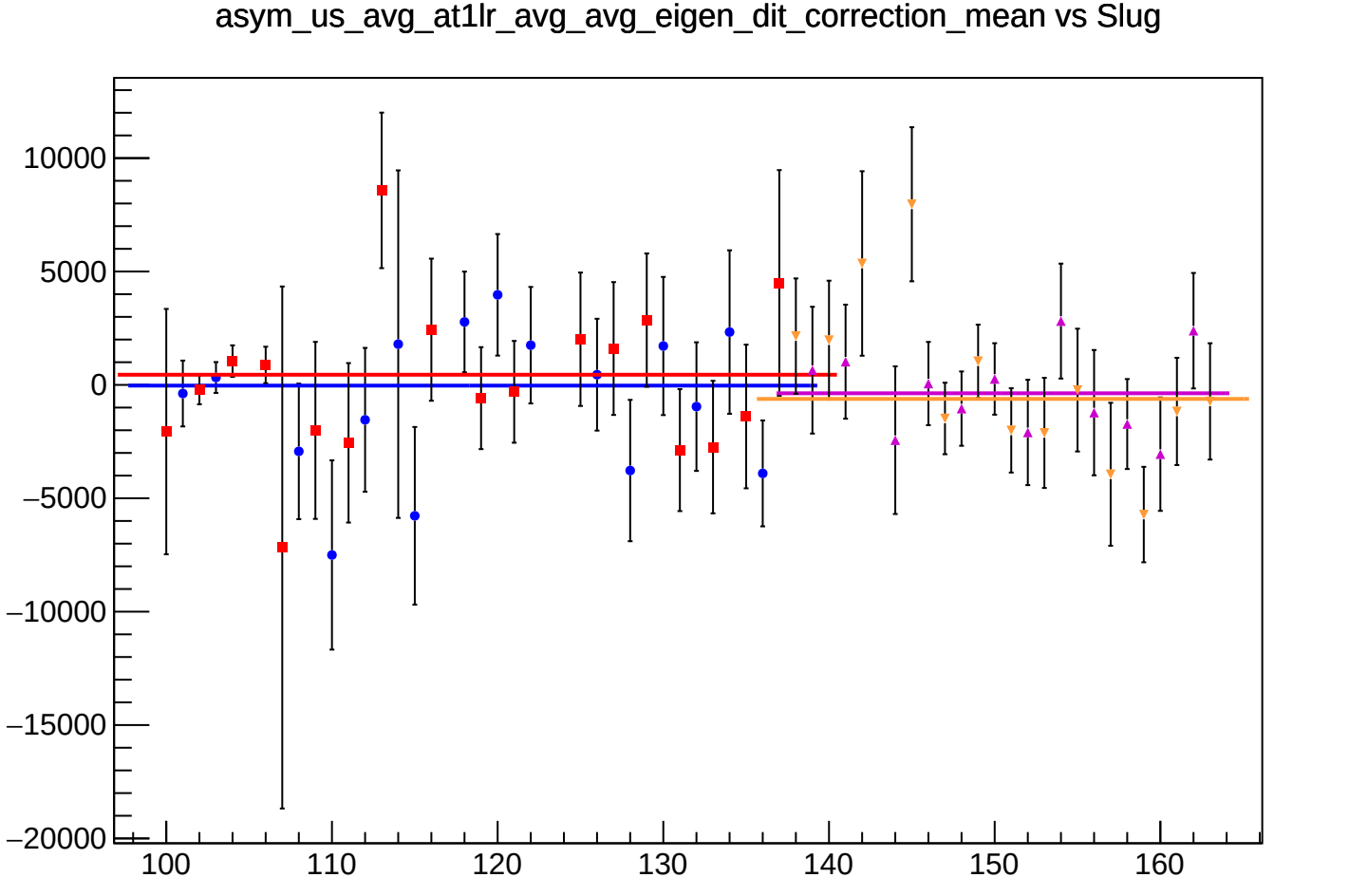
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.445+/-0.482 χ^2/NDF:1833.2/11

+ sign 2249.157+/-0.382 χ^2/NDF: 539294.4/28

All: 2254.475+/-0.270 χ^2/NDF: 799866.1/58

- sign 2259.828+/-0.383 χ^2/NDF: 260181.9/29



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -618.663+/-634.151 χ^2/NDF:20.1/12

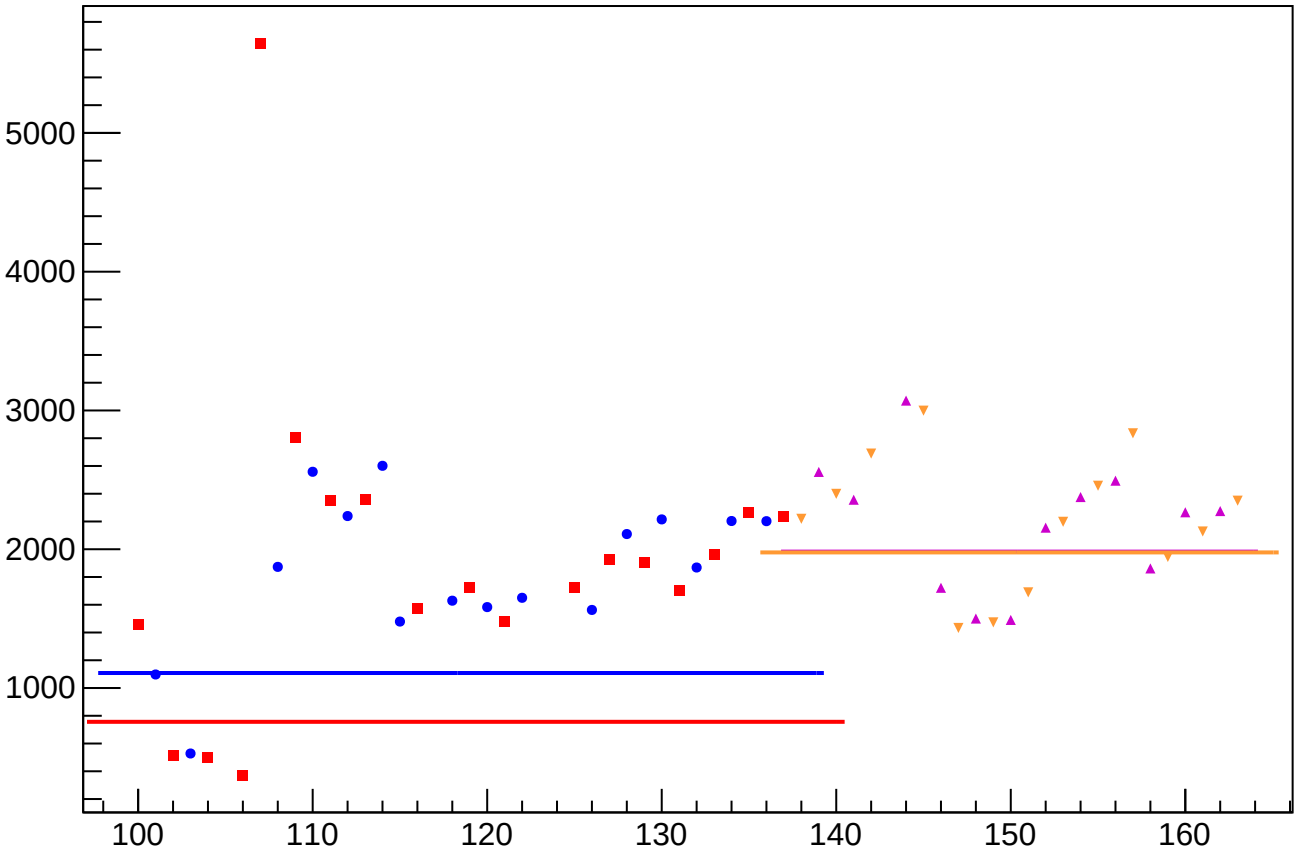
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -369.238+/-633.344 χ^2/NDF:6.3/11

+ sign -248.318+/-385.412 χ^2/NDF: 36.9/28

All: 48.578+/-243.743 χ^2/NDF: 60.5/58

- sign 246.476+/-314.661 χ^2/NDF: 22.6/29



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1977.117+/-0.448 χ^2/NDF:1072631.5/12

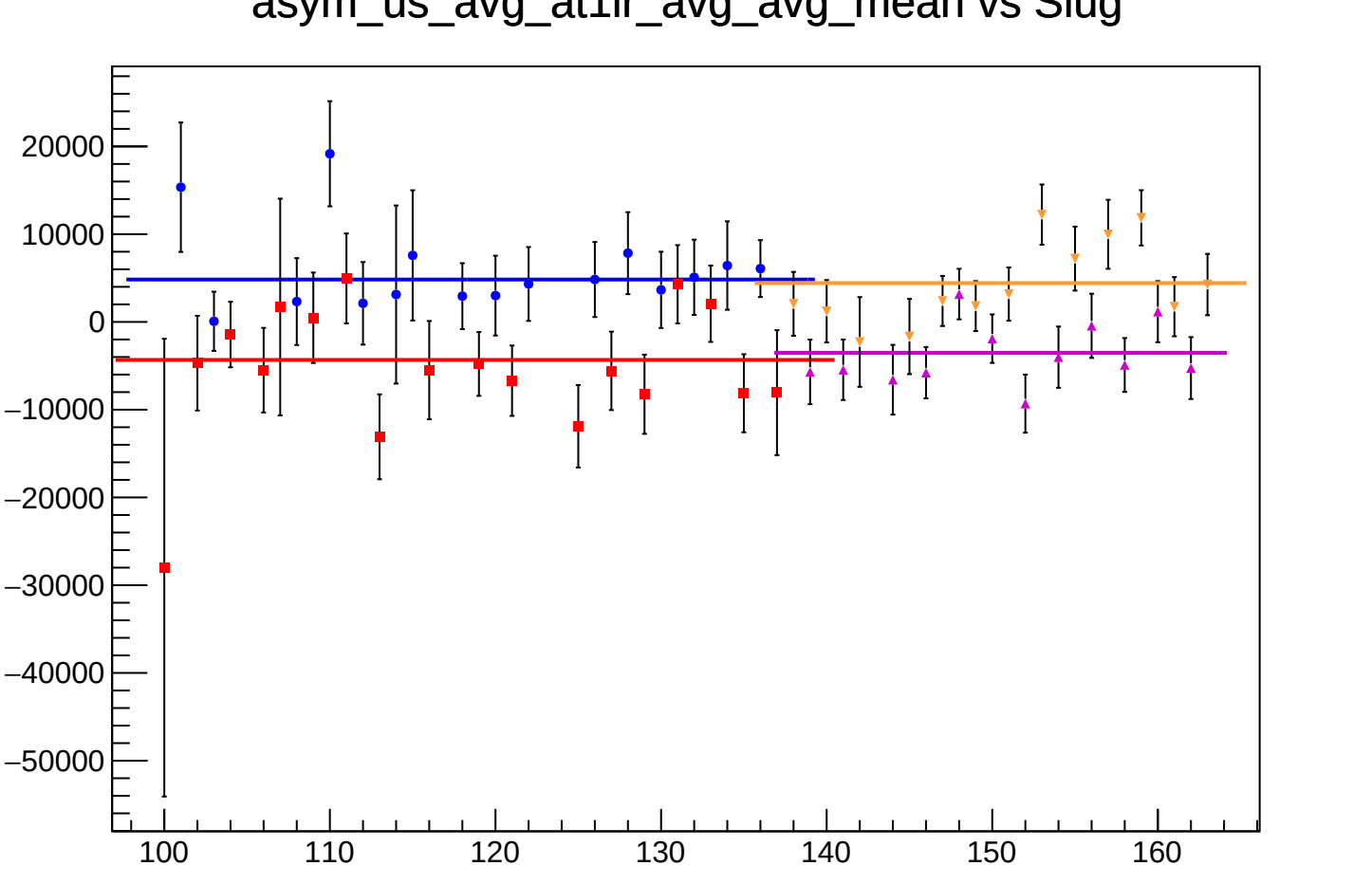
Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1982.862+/-0.448 χ^2/NDF:947886.9/11

+ sign 1429.122+/-0.273 χ^2/NDF: 7187268.5/28

All: 1207.129+/-0.172 χ^2/NDF: 20492445.4/5

- sign 1059.159+/-0.222 χ^2/NDF: 12199379.5/29



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4429.260+/-954.718 χ^2/NDF:20.5/12

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

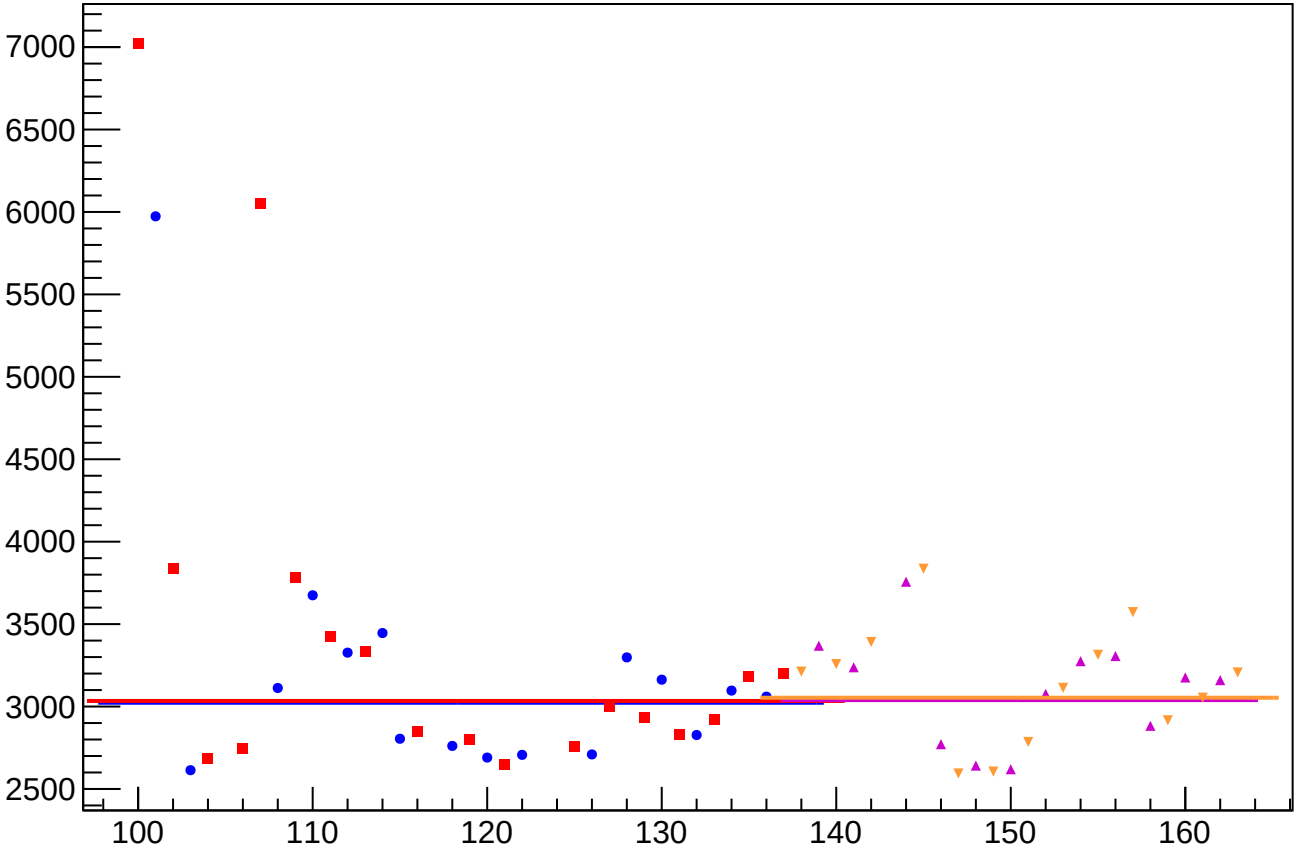
Left In: -3523.958+/-950.492 χ^2/NDF:13.7/11

+ sign 4595.593+/-732.612 χ^2/NDF: 32.2/28

All: 363.577+/-517.543 χ^2/NDF: 132.7/58

- sign -3852.384+/-731.221 χ^2/NDF: 33.8/29

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.421+/-0.675 χ^2/NDF:256058.0/12

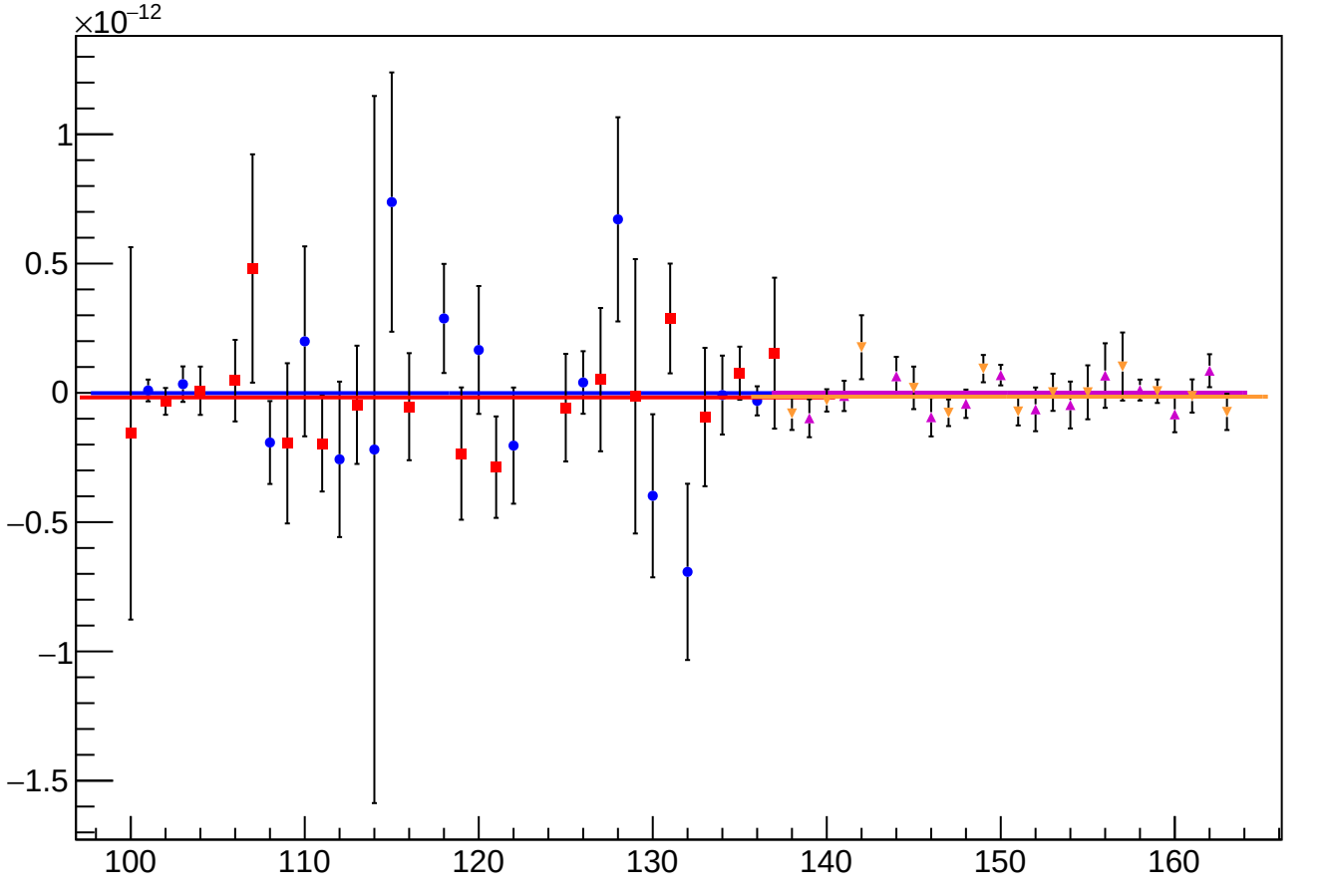
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3039.068+/-0.672 χ^2/NDF:219633.9/11

+ sign 3040.941+/-0.518 χ^2/NDF: 700594.9/28

All: 3038.940+/-0.366 χ^2/NDF: 1262957.8/58

- sign 3036.946+/-0.517 χ^2/NDF: 562333.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/12

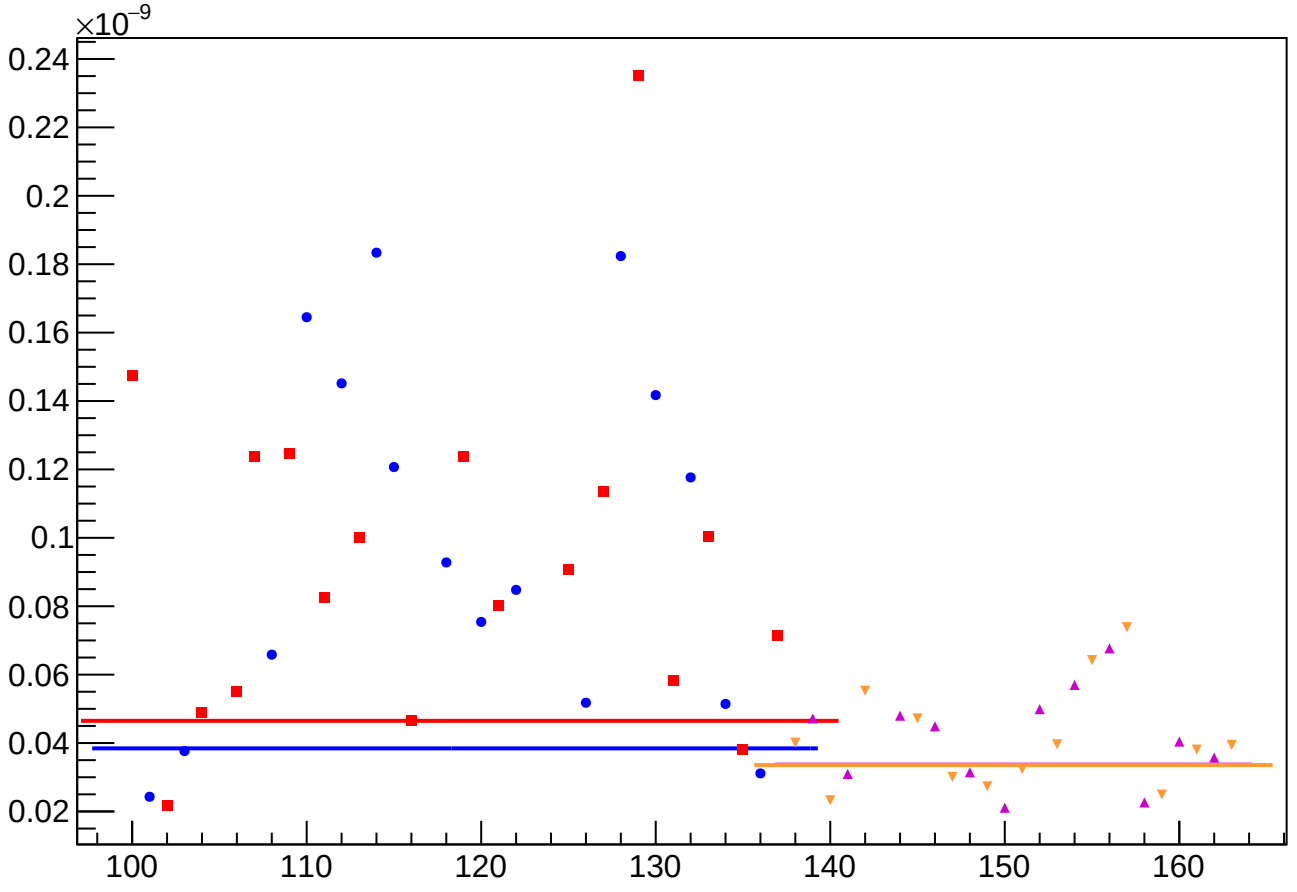
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/28

All: -0.000+/-0.000 χ^2/NDF: 51.1/58

- sign -0.000+/-0.000 χ^2/NDF: 21.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:760839.8/12

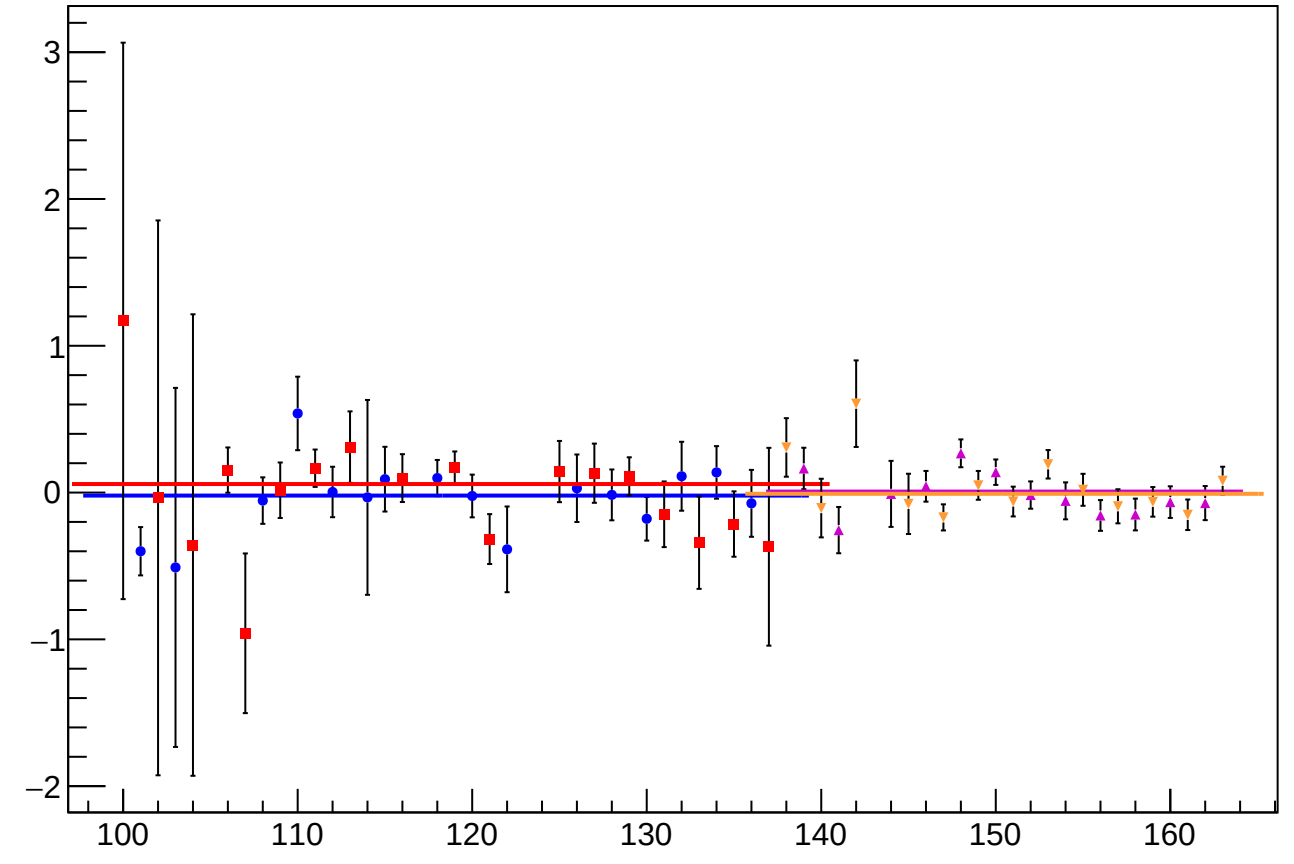
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:918575.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 2578018.3/28

All: 0.000+/-0.000 χ^2/NDF: 5420138.7/58

- sign 0.000+/-0.000 χ^2/NDF: 2833723.1/29



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

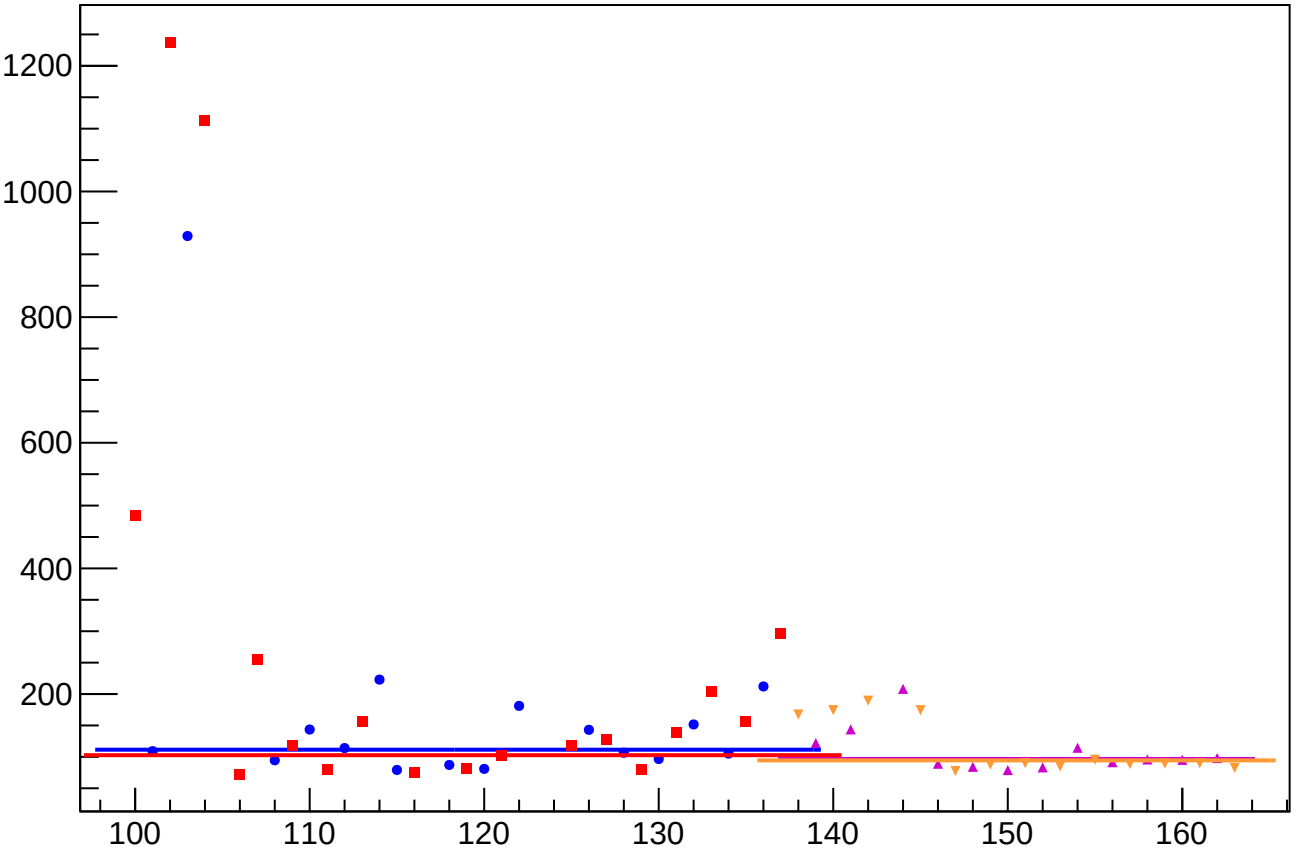
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.007+/-0.032 χ^2/NDF:19.7/11

+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.006+/-0.019 χ^2/NDF: 73.0/58

- sign 0.023+/-0.026 χ^2/NDF: 37.4/29



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

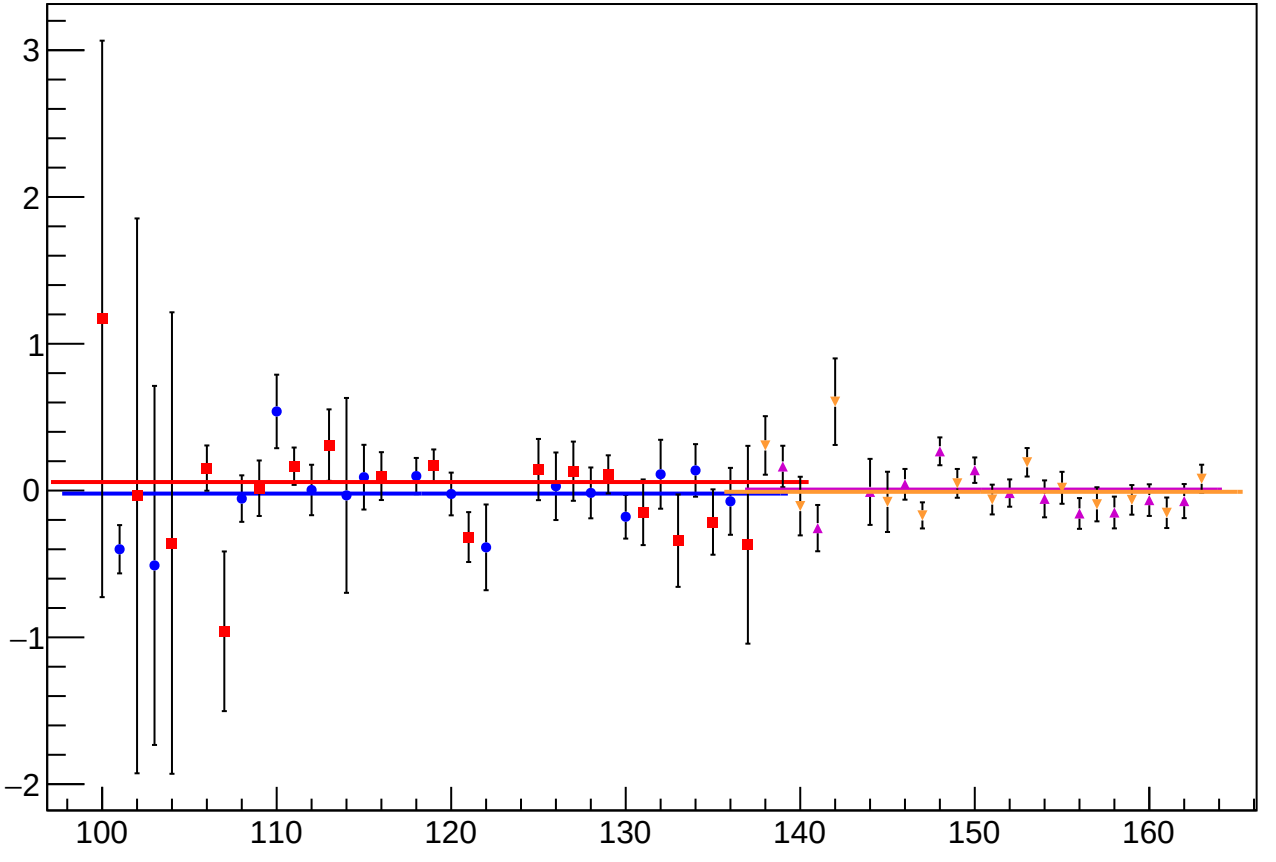
Left In: 96.643+/-0.023 χ^2/NDF:950592.8/11

+ sign 99.676+/-0.019 χ^2/NDF: 3266583.0/28

All: 99.141+/-0.013 χ^2/NDF: 7068418.0/58

- sign 98.608+/-0.019 χ^2/NDF: 3800211.4/29

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

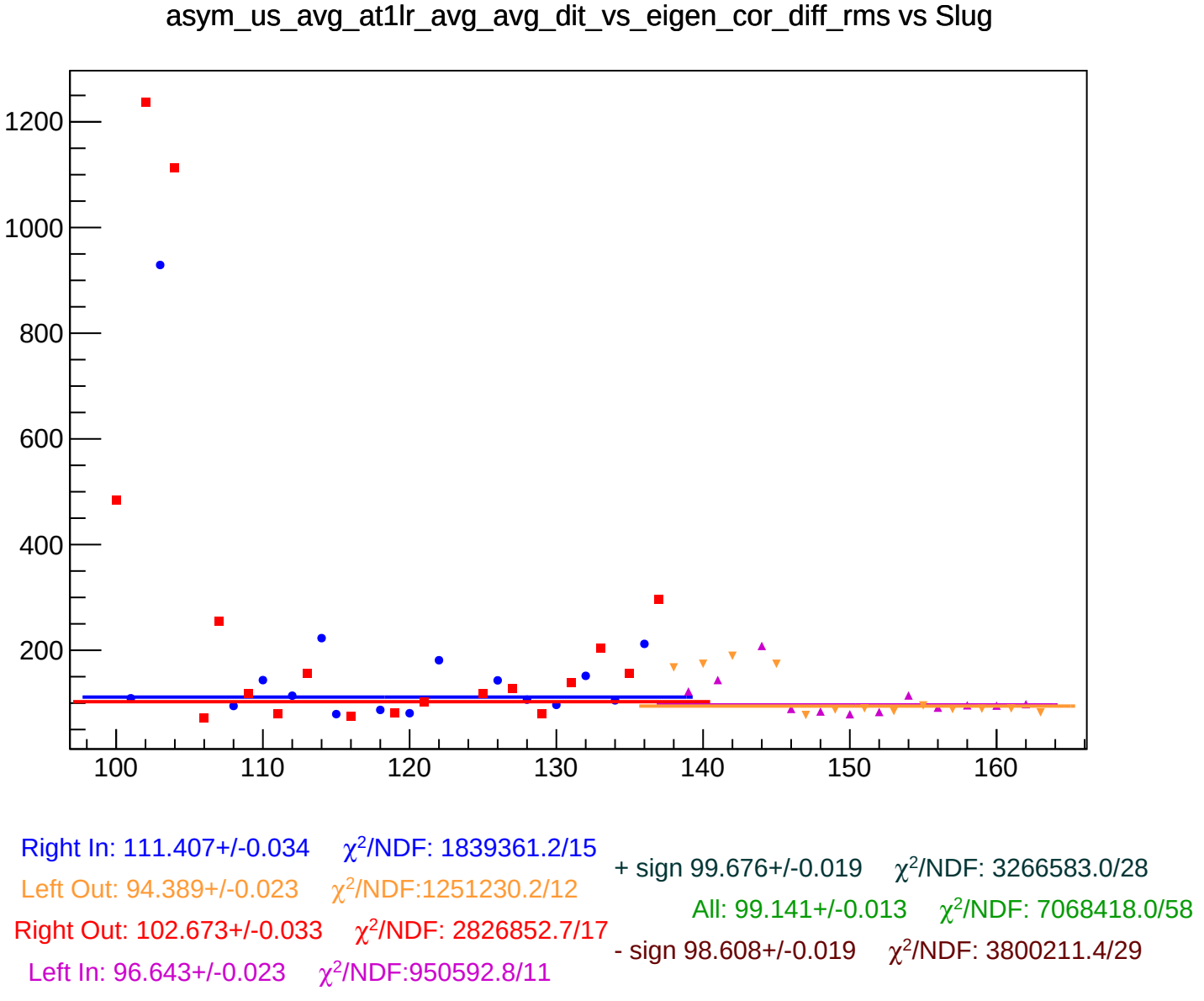
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

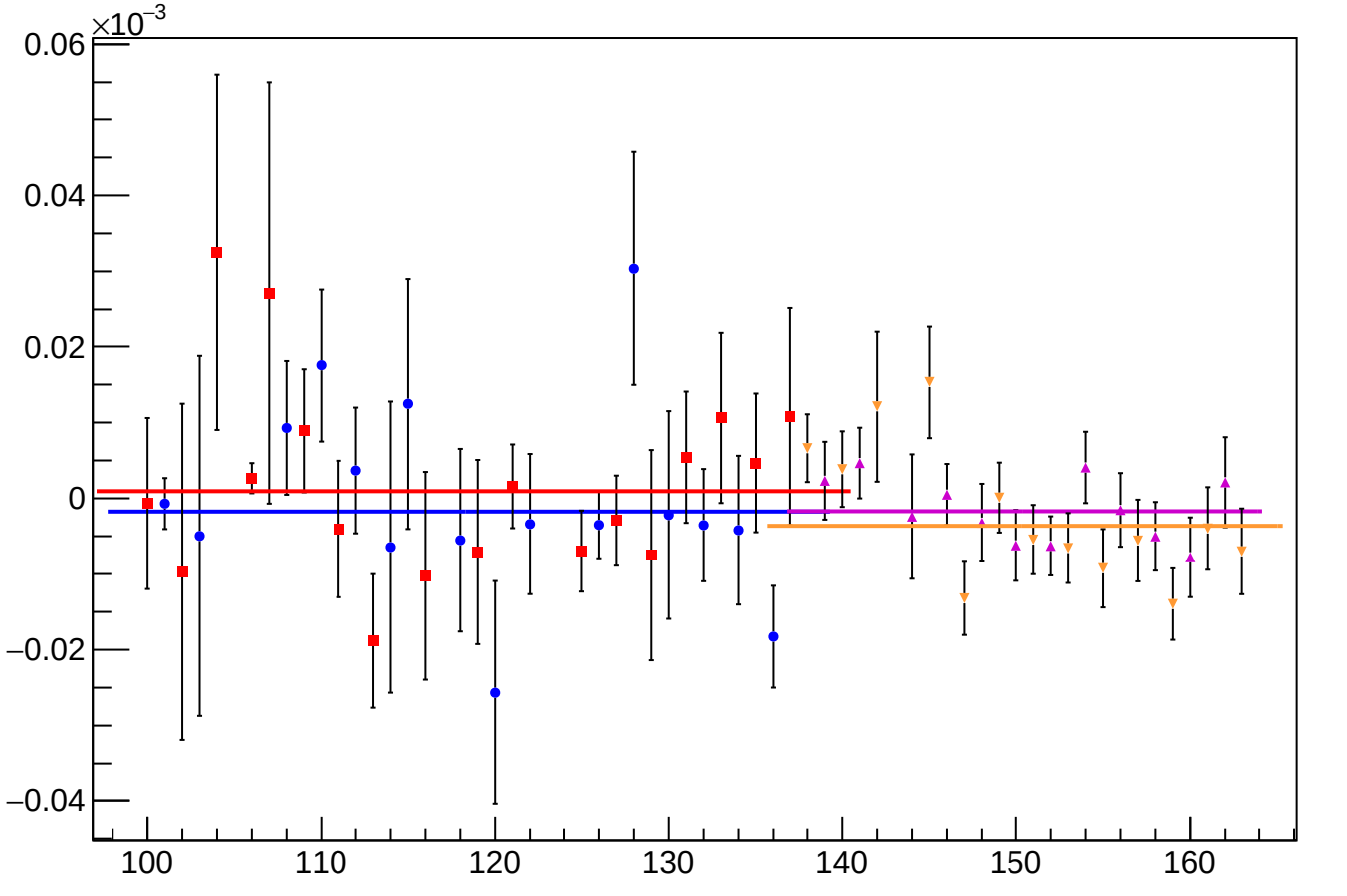
Left In: 0.007+/-0.032 χ^2/NDF:19.7/11

+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.006+/-0.019 χ^2/NDF: 73.0/58

- sign 0.023+/-0.026 χ^2/NDF: 37.4/29


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 94.389+/-0.023 χ²/NDF:1251230.2/12
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 96.643+/-0.023 χ²/NDF:950592.8/11
+ sign 99.676+/-0.019 χ²/NDF: 3266583.0/28
All: 99.141+/-0.013 χ²/NDF: 7068418.0/58
- sign 98.608+/-0.019 χ²/NDF: 3800211.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/12

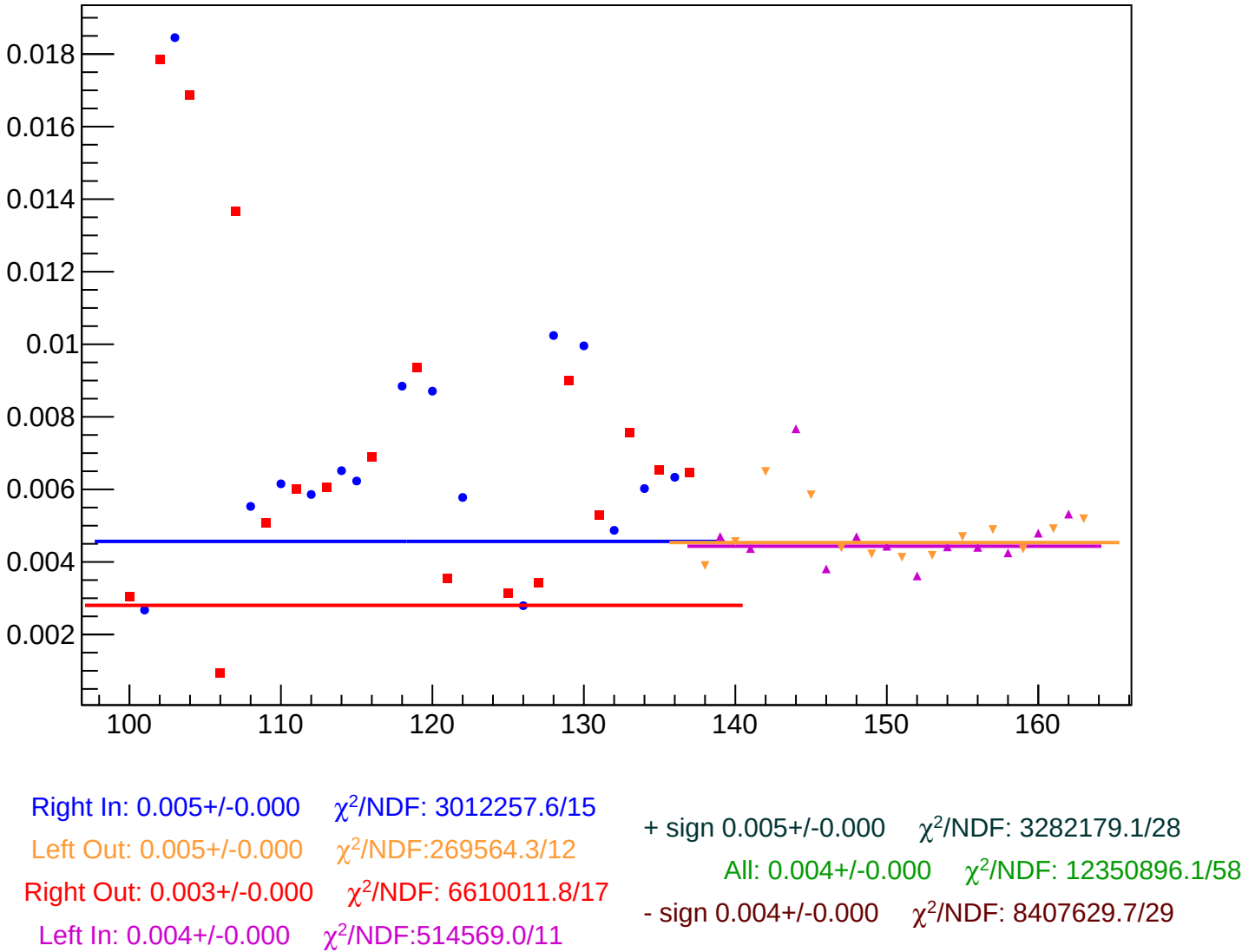
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

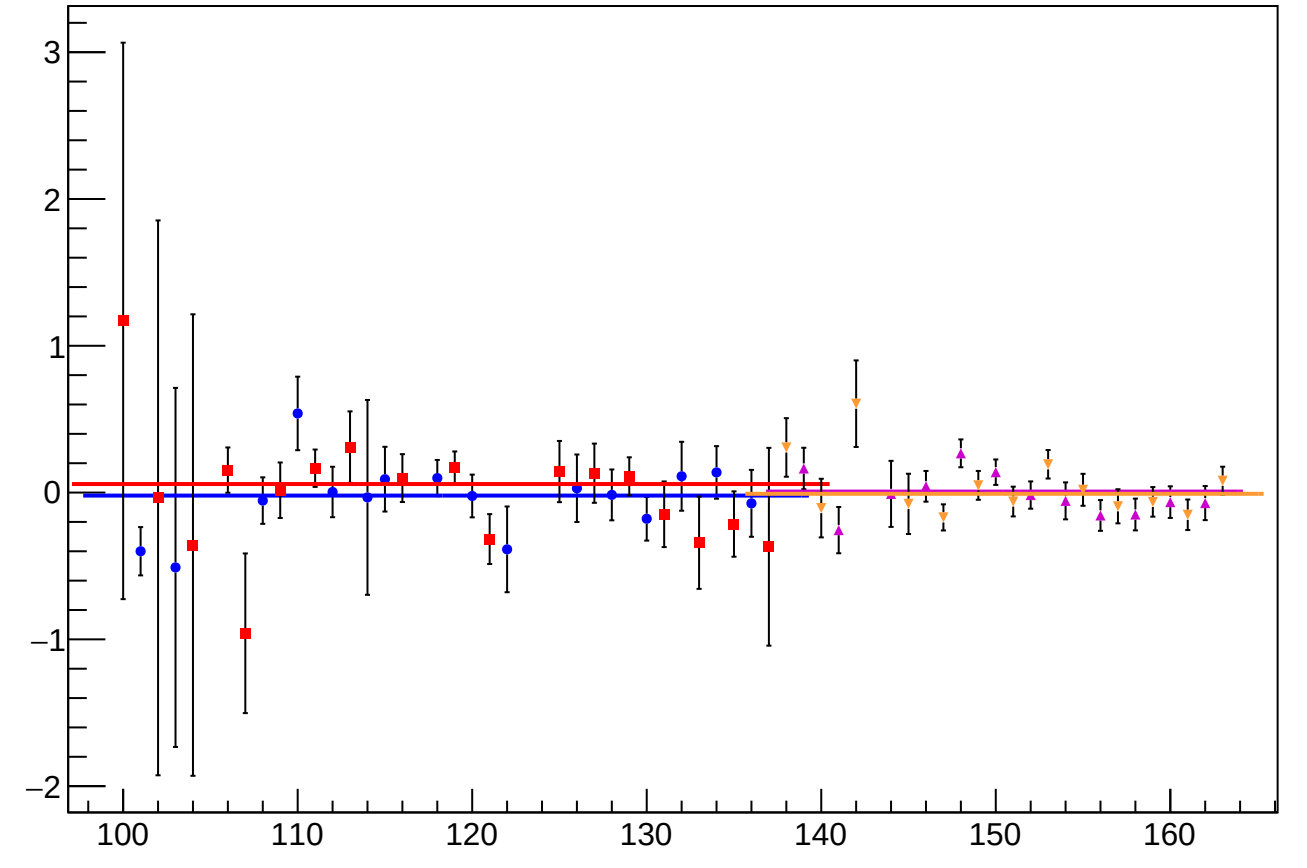
Left In: -0.000+/-0.000 χ^2/NDF:9.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/28

All: -0.000+/-0.000 χ^2/NDF: 77.9/58

- sign -0.000+/-0.000 χ^2/NDF: 26.4/29


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
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:269564.3/12
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:514569.0/11
+ sign 0.005+/-0.000 χ²/NDF: 3282179.1/28
All: 0.004+/-0.000 χ²/NDF: 12350896.1/58
- sign 0.004+/-0.000 χ²/NDF: 8407629.7/29



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

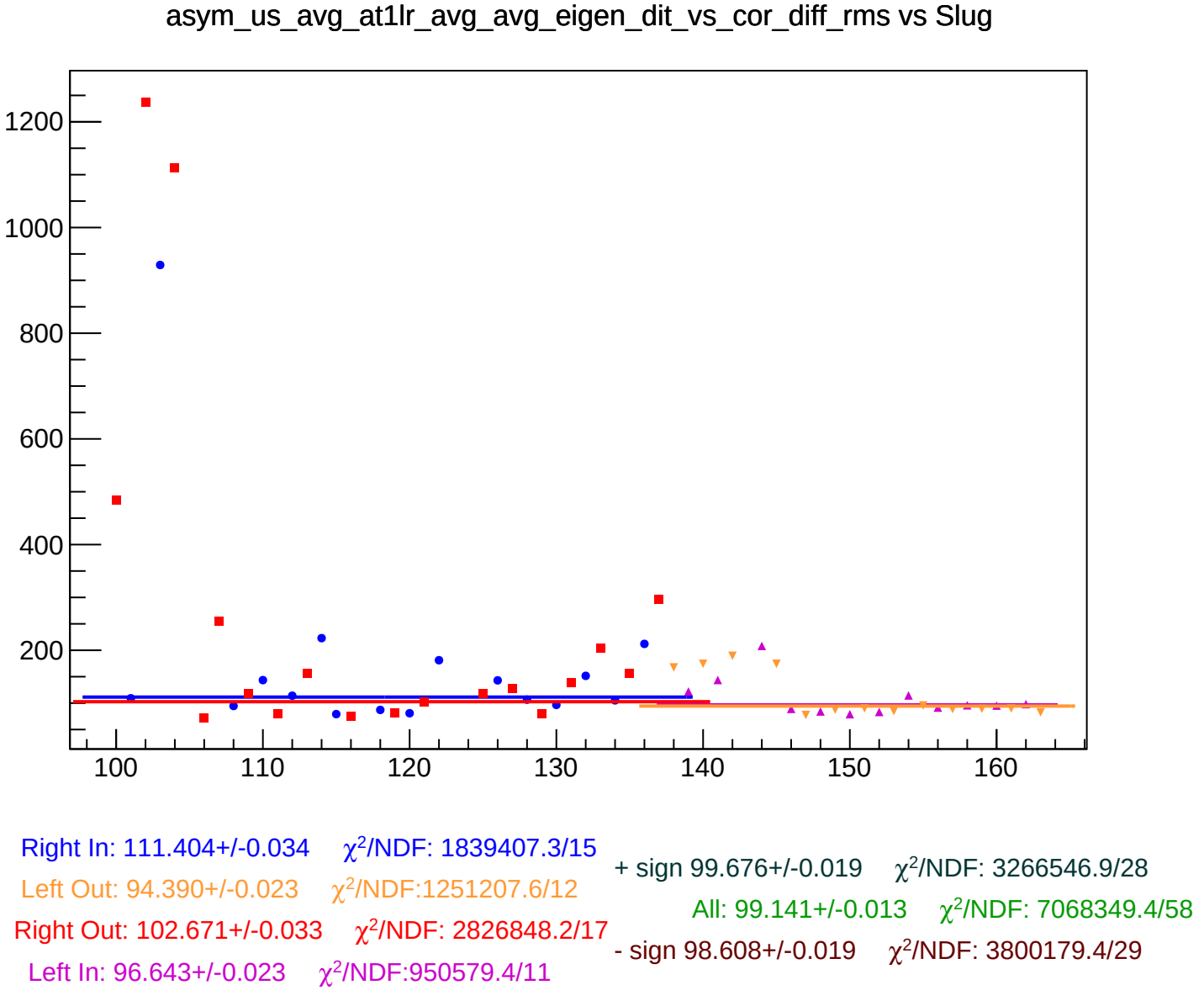
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.007+/-0.032 χ^2/NDF:19.7/11

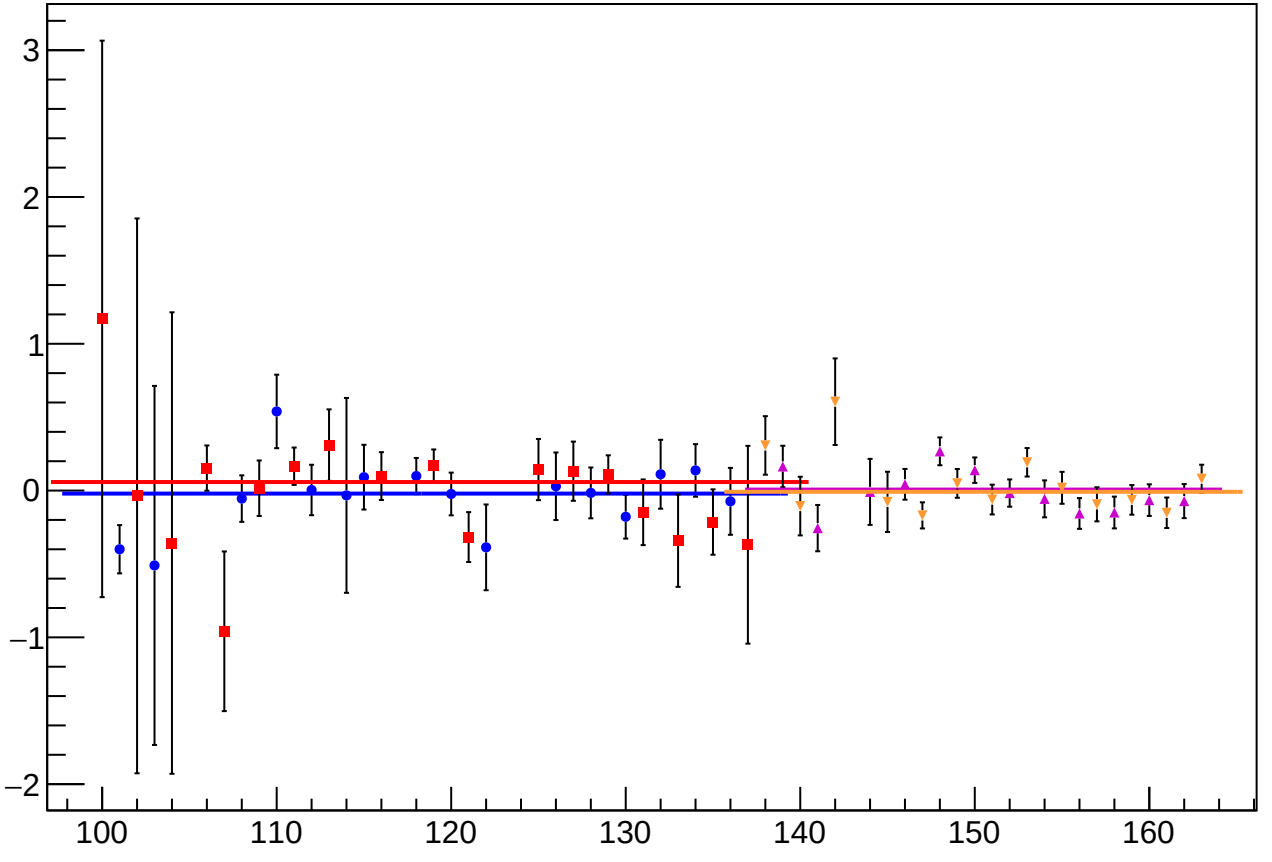
+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.006+/-0.019 χ^2/NDF: 73.0/58

- sign 0.023+/-0.026 χ^2/NDF: 37.4/29


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.390+/-0.023 χ²/NDF:1251207.6/12
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.643+/-0.023 χ²/NDF:950579.4/11
+ sign 99.676+/-0.019 χ²/NDF: 3266546.9/28
All: 99.141+/-0.013 χ²/NDF: 7068349.4/58
- sign 98.608+/-0.019 χ²/NDF: 3800179.4/29

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: -0.008+/-0.032 χ^2/NDF:19.0/12

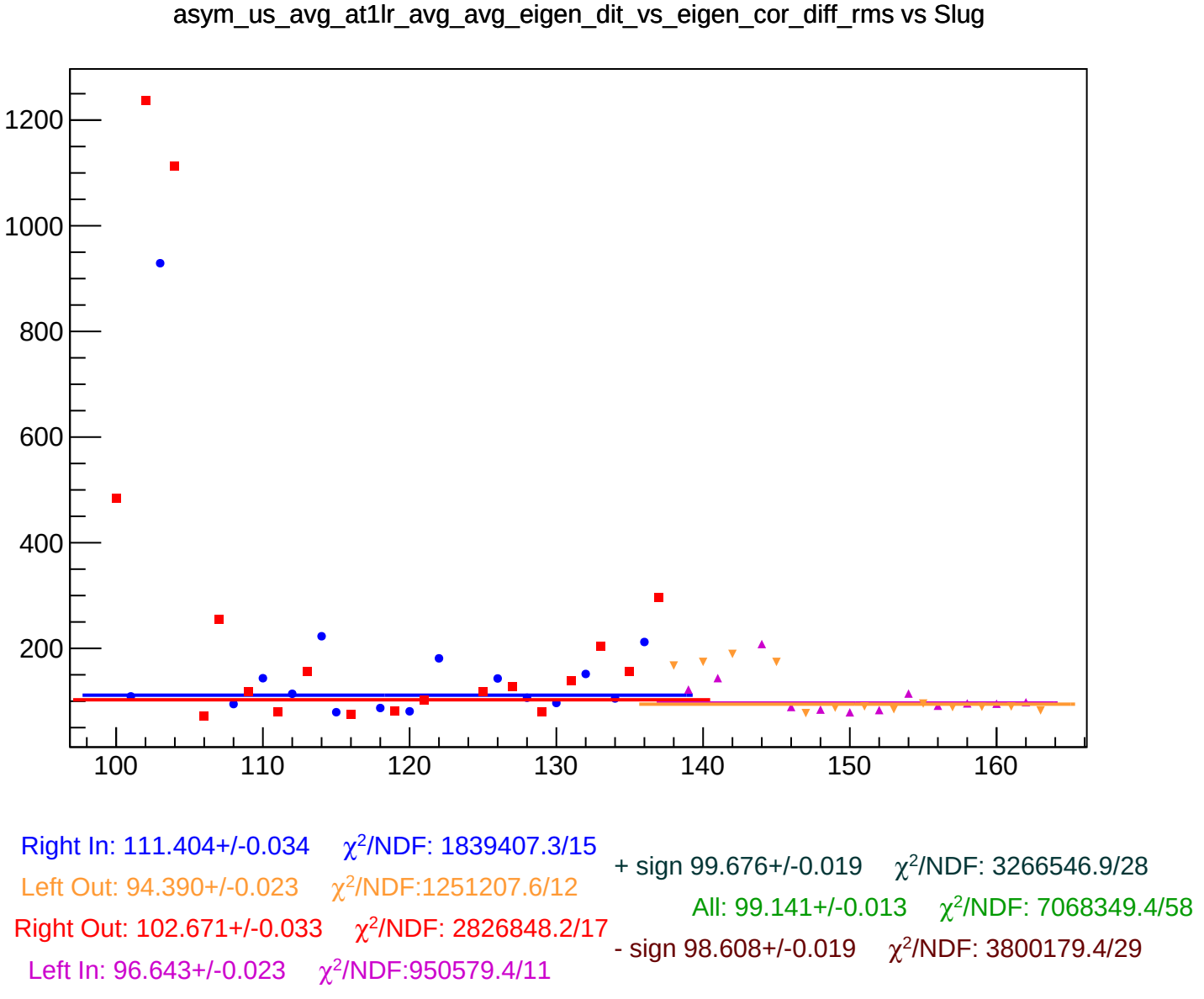
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

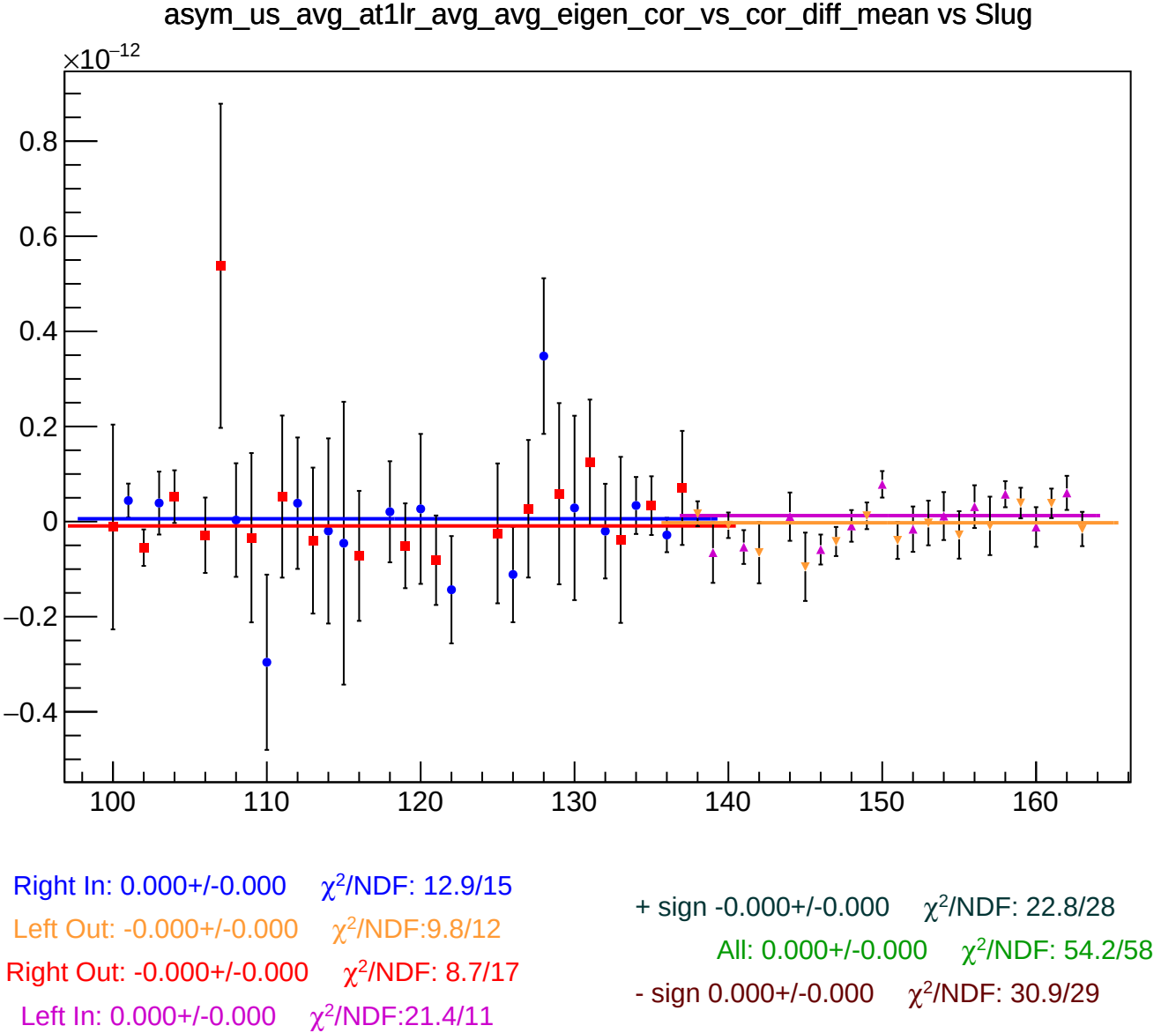
Left In: 0.007+/-0.032 χ^2/NDF:19.7/11

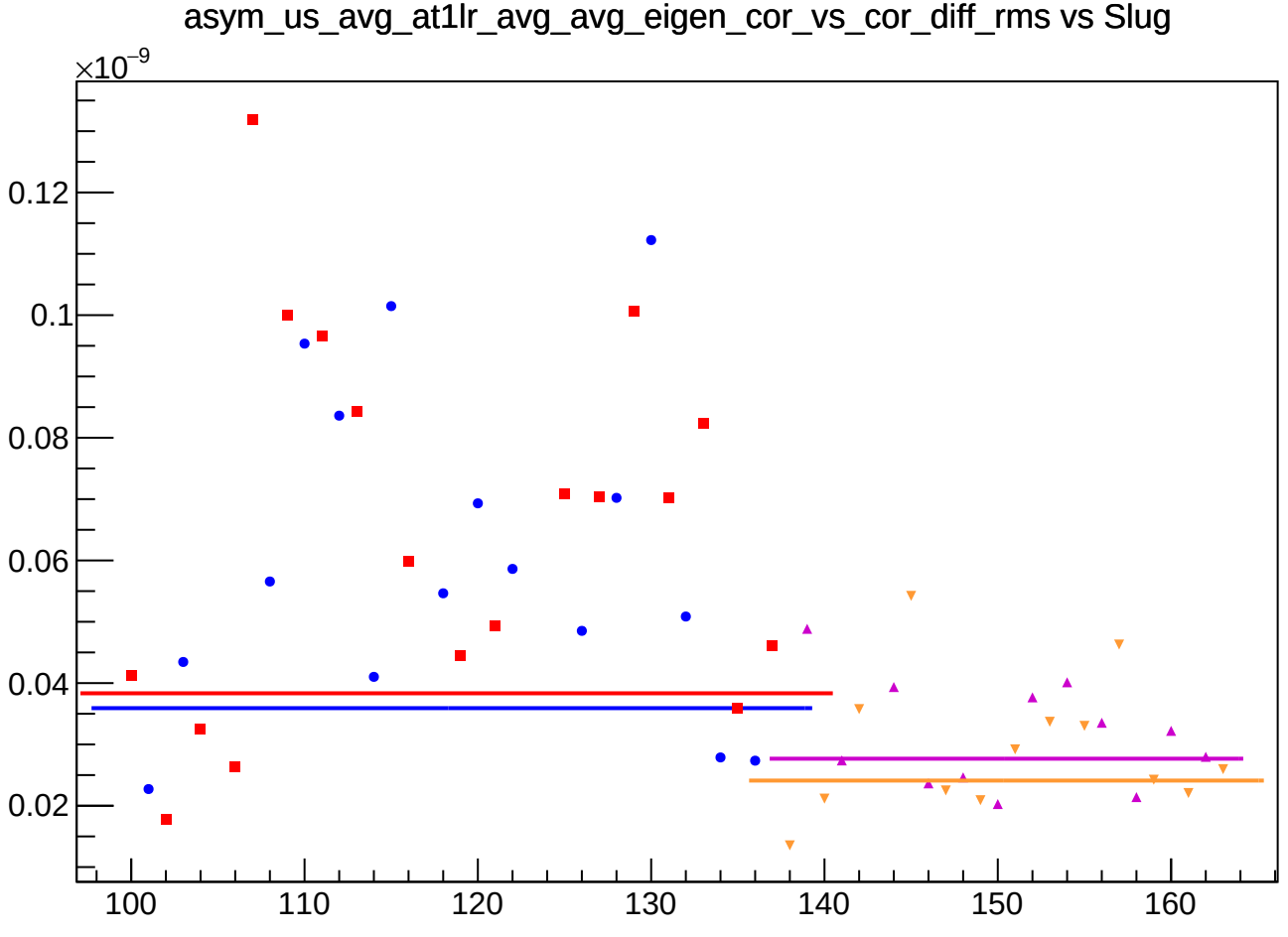
+ sign -0.012+/-0.027 χ^2/NDF: 34.7/28

All: 0.006+/-0.019 χ^2/NDF: 73.0/58

- sign 0.023+/-0.026 χ^2/NDF: 37.4/29


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 94.390+/-0.023 χ²/NDF:1251207.6/12
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 96.643+/-0.023 χ²/NDF:950579.4/11
+ sign 99.676+/-0.019 χ²/NDF: 3266546.9/28
All: 99.141+/-0.013 χ²/NDF: 7068349.4/58
- sign 98.608+/-0.019 χ²/NDF: 3800179.4/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/12
Right Out: -0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:21.4/11
+ sign -0.000+/-0.000 χ²/NDF: 22.8/28
All: 0.000+/-0.000 χ²/NDF: 54.2/58
- sign 0.000+/-0.000 χ²/NDF: 30.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1251948.3/12

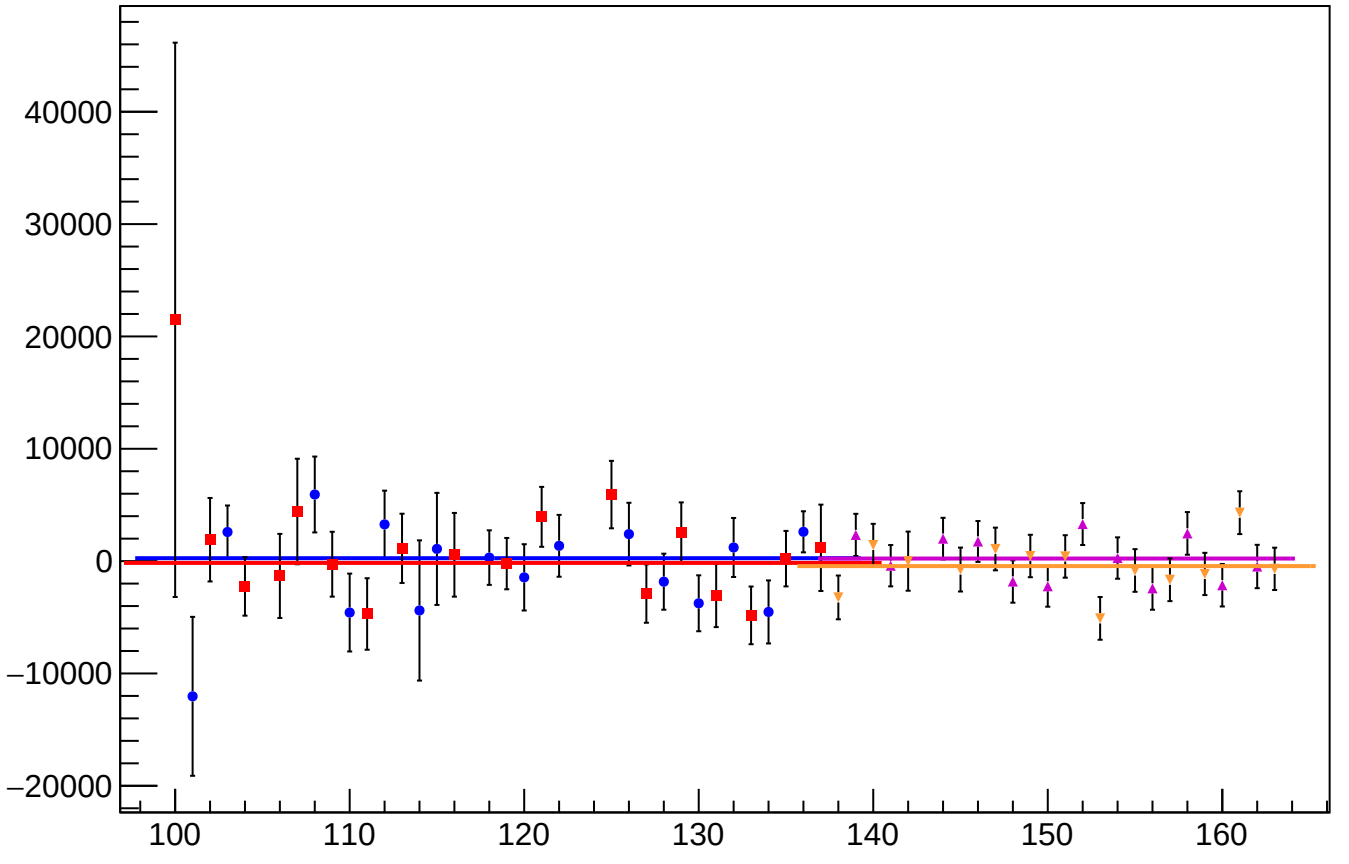
Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:888423.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 3608858.0/28

All: 0.000+/-0.000 χ^2/NDF: 7209437.8/58

- sign 0.000+/-0.000 χ^2/NDF: 3480893.1/29



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.859+/-537.824 χ^2/NDF:17.0/12

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

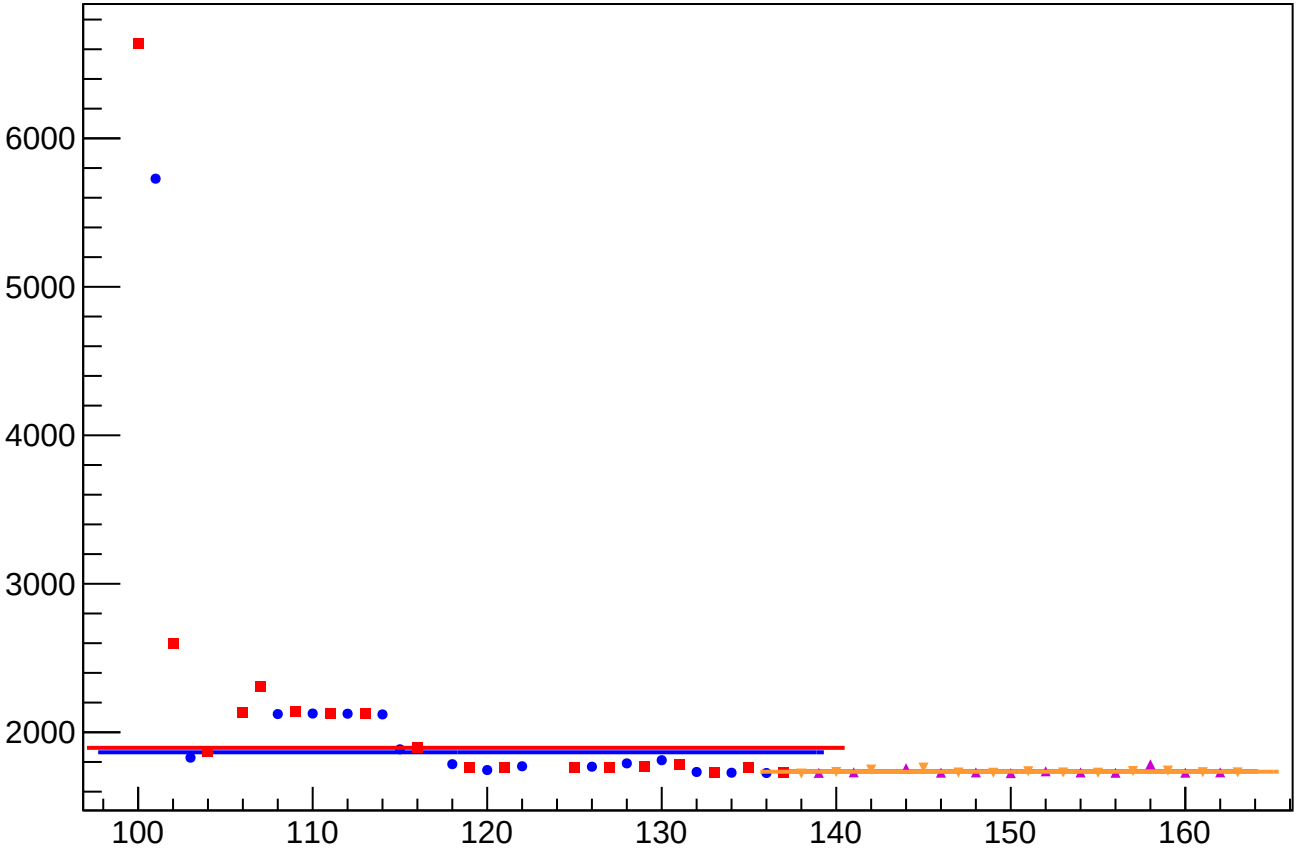
Left In: 228.658+/-539.331 χ^2/NDF:13.7/11

+ sign -186.642+/-428.645 χ^2/NDF: 37.0/28

All: -50.108+/-303.570 χ^2/NDF: 69.2/58

- sign 87.281+/-429.984 χ^2/NDF: 32.0/29

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.417+/-0.380 χ^2/NDF:689.0/12

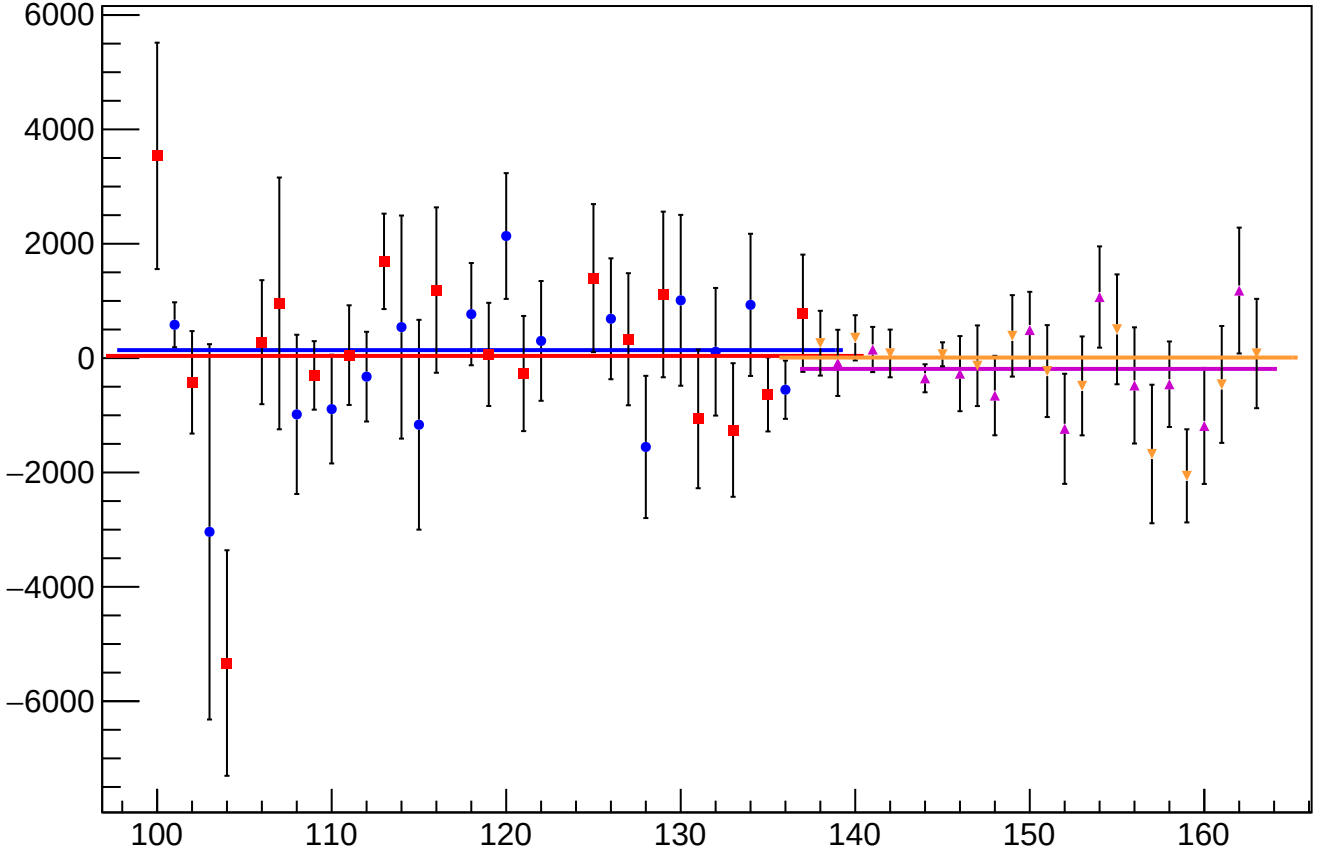
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1736.199+/-0.381 χ^2/NDF:1880.4/11

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.9/28

All: 1788.116+/-0.215 χ^2/NDF: 1033389.6/58

- sign 1794.155+/-0.304 χ^2/NDF: 316067.2/29



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 10.042+/-141.235 χ^2/NDF:10.7/12

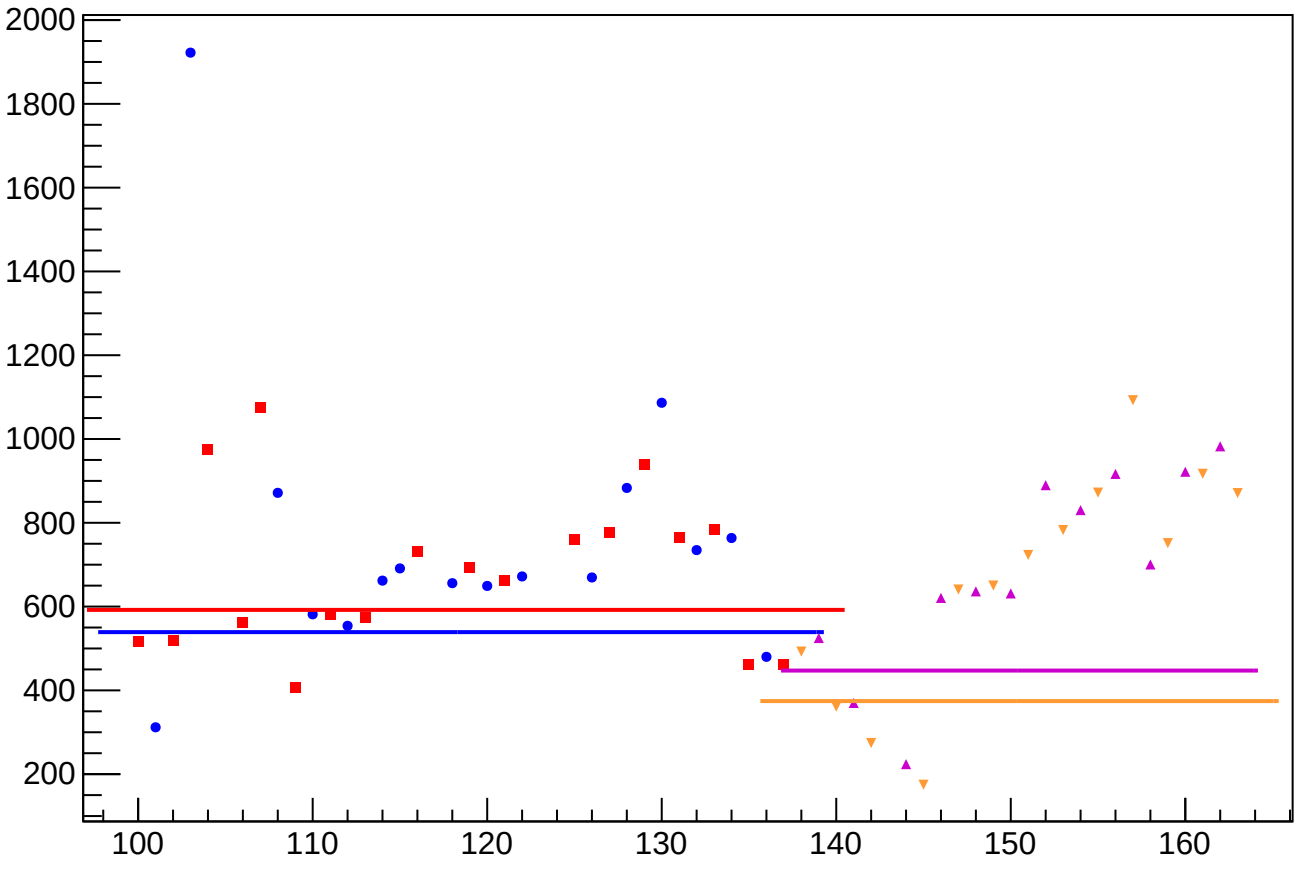
Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: -188.683+/-158.951 χ^2/NDF:8.6/11

+ sign 47.888+/-118.867 χ^2/NDF: 24.4/28

All: -26.555+/-88.399 χ^2/NDF: 55.9/58

- sign -118.671+/-132.226 χ^2/NDF: 30.7/29



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 374.433+/-0.100 χ^2/NDF:6191982.3/12

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

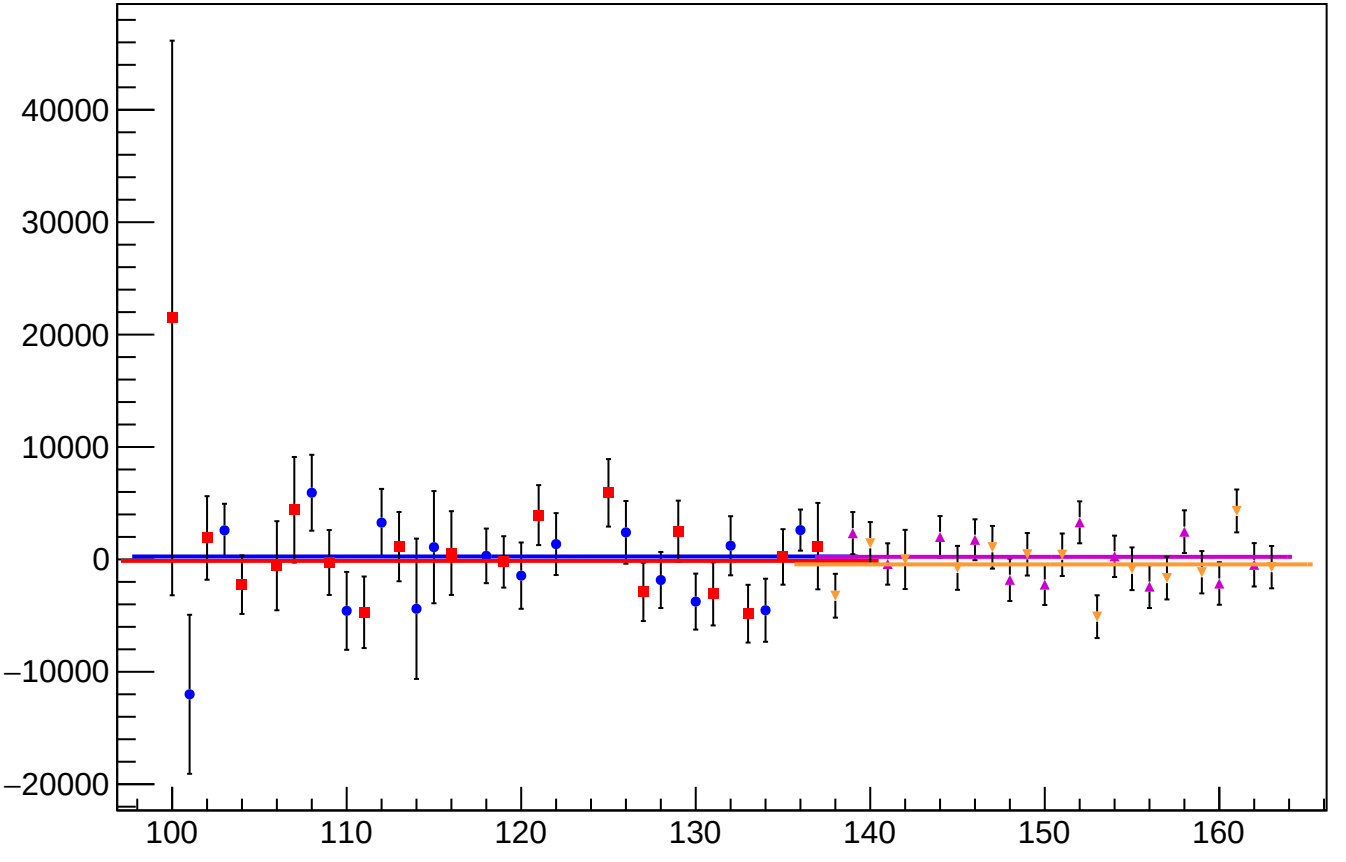
Left In: 447.279+/-0.112 χ^2/NDF:4577419.0/11

+ sign 422.436+/-0.084 χ^2/NDF: 8838691.2/28

All: 453.476+/-0.063 χ^2/NDF: 15075666.6/58

- sign 491.885+/-0.093 χ^2/NDF: 5931842.4/29

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

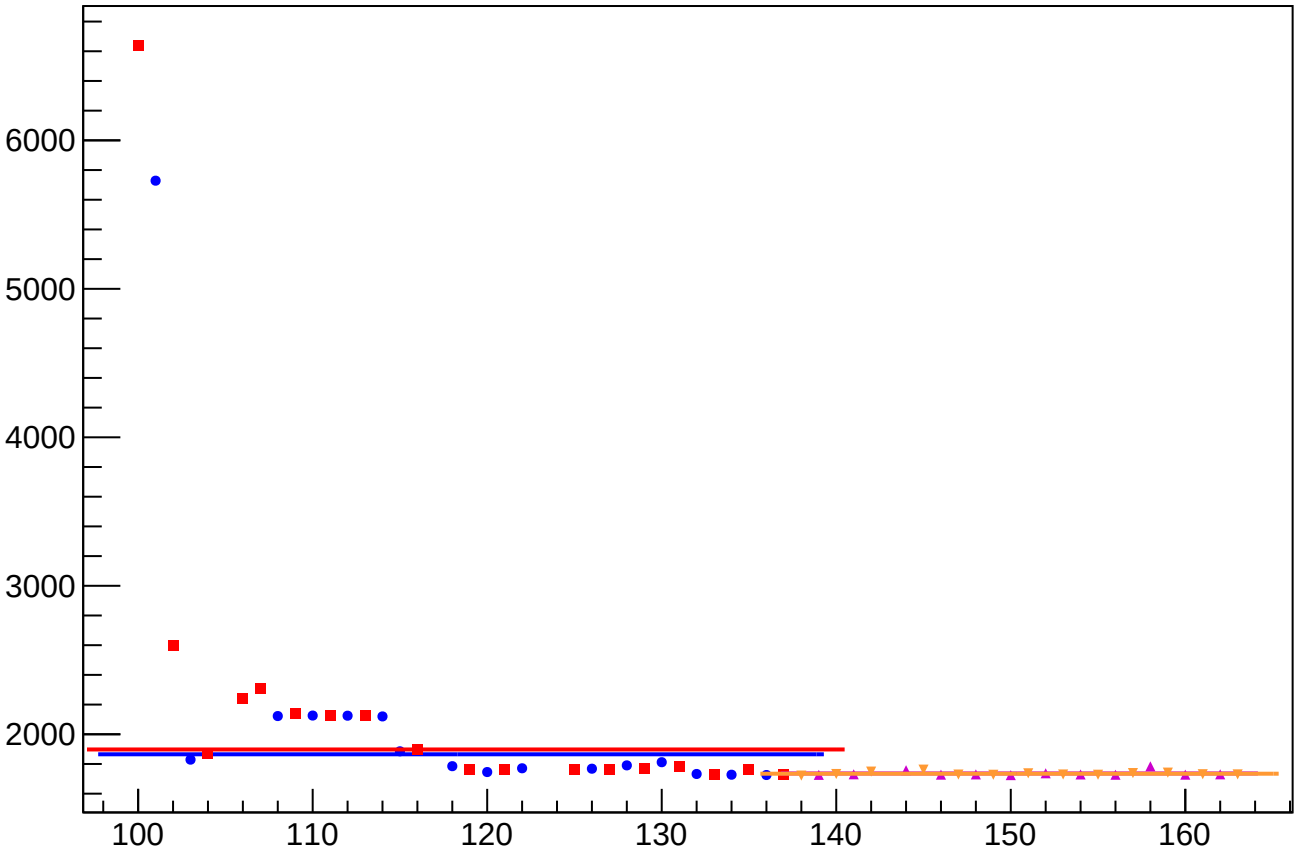
Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 228.713+/-539.331 χ^2/NDF:13.7/11

\+ sign -186.571+/-428.645 χ^2/NDF: 37.0/28

All: -44.675+/-303.679 χ^2/NDF: 69.1/58

\- sign 98.313+/-430.293 χ^2/NDF: 31.9/29



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.417+/-0.380 χ^2/NDF:689.0/12

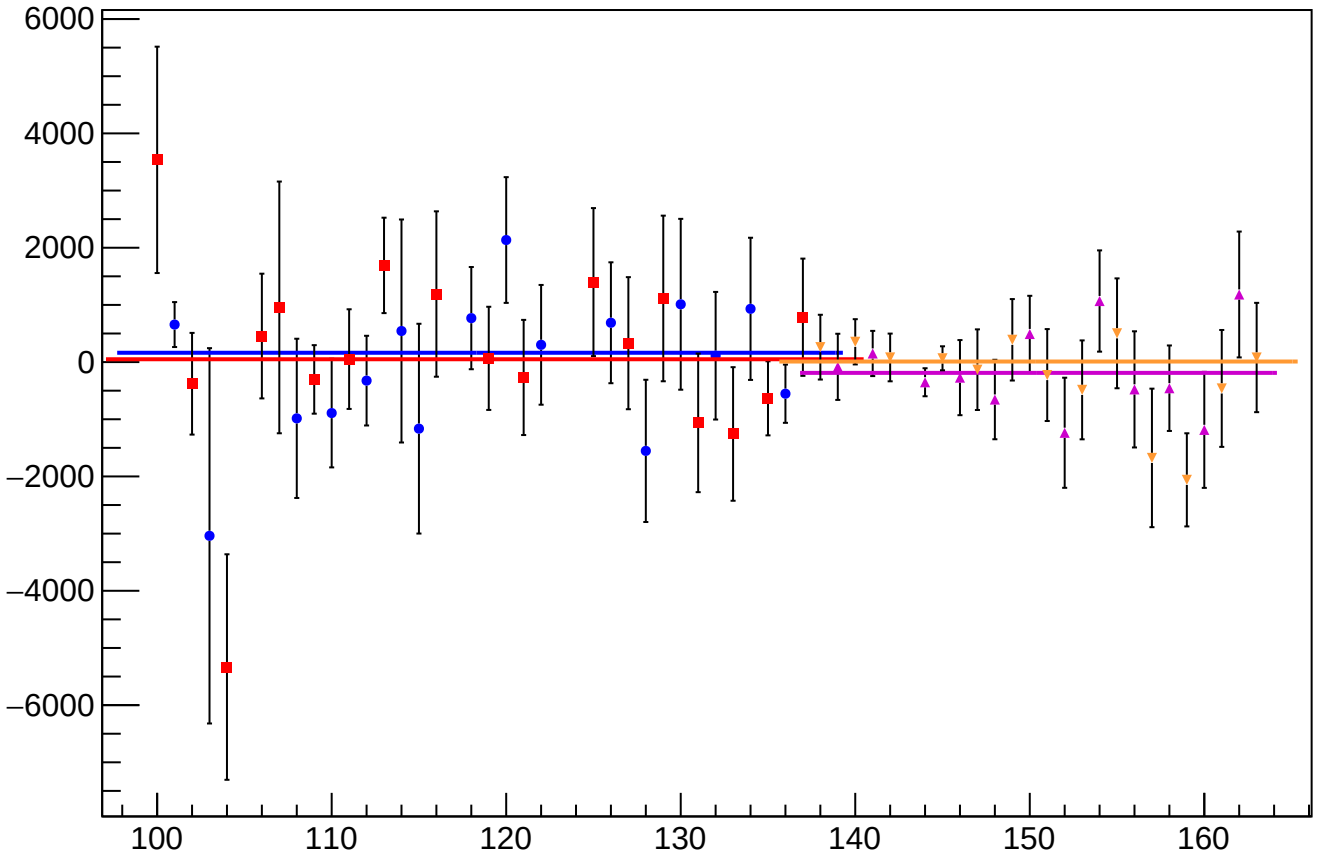
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.199+/-0.381 χ^2/NDF:1880.4/11

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.8/28

All: 1788.483+/-0.215 χ^2/NDF: 1042221.6/58

- sign 1794.900+/-0.304 χ^2/NDF: 324799.6/29



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 9.889+/-141.238 χ^2/NDF:10.7/12

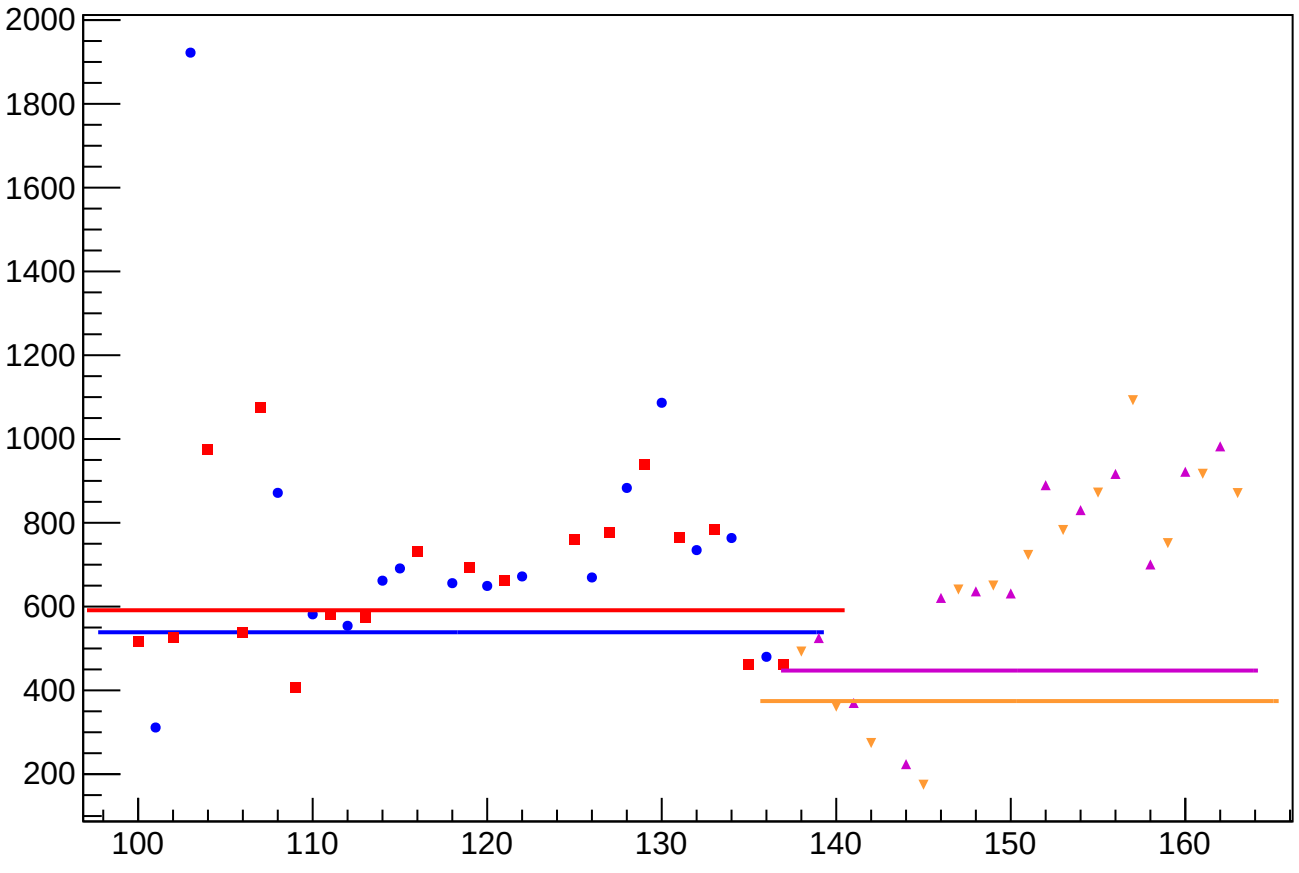
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -188.669+/-158.952 χ^2/NDF:8.6/11

\+ sign 54.613+/-118.857 χ^2/NDF: 24.9/28

All: -21.306+/-88.392 χ^2/NDF: 56.6/58

\- sign -115.252+/-132.217 χ^2/NDF: 30.8/29



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 374.442+/-0.100 χ^2/NDF:6191751.0/12

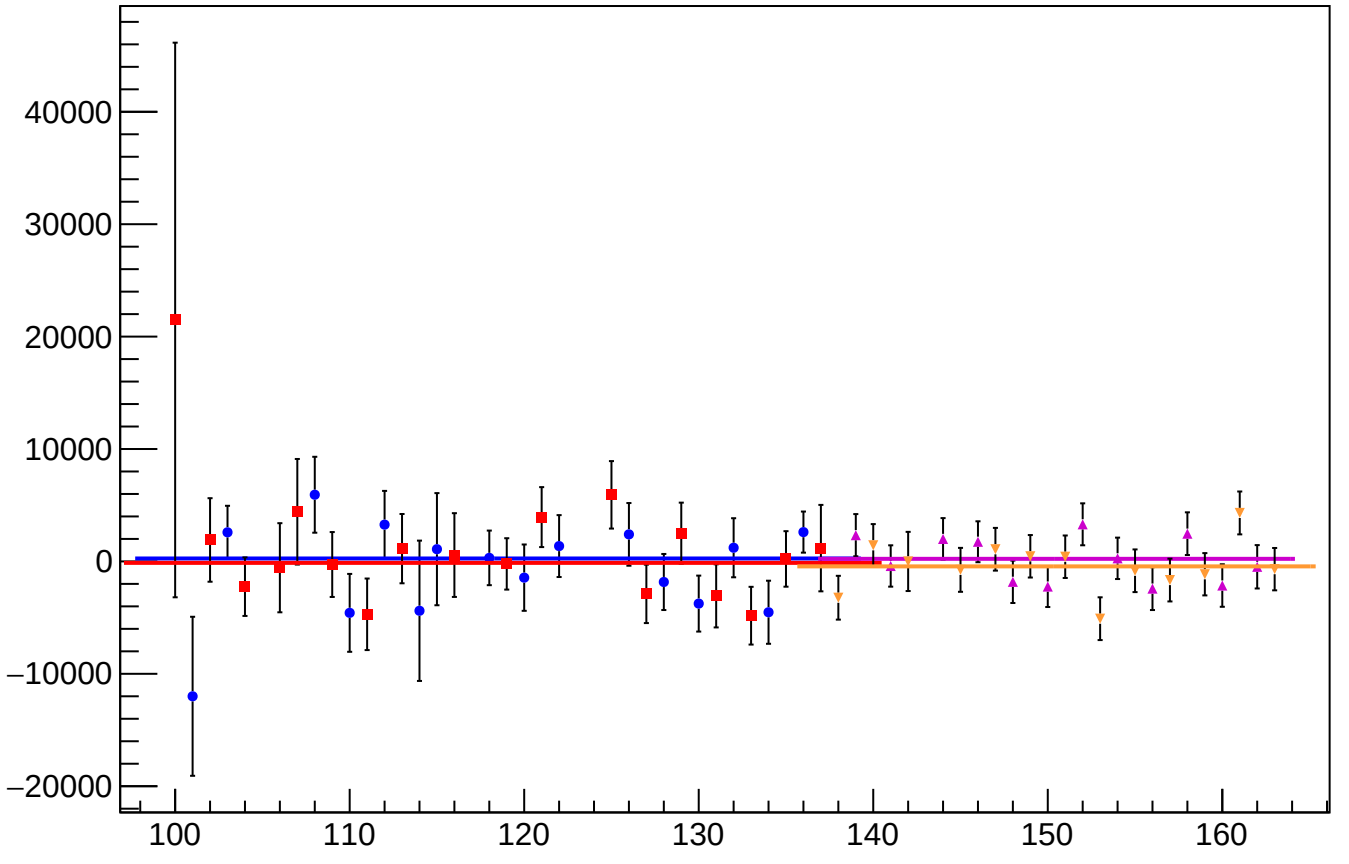
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 447.288+/-0.112 χ^2/NDF:4577086.6/11

+ sign 422.376+/-0.084 χ^2/NDF: 8840059.2/28

All: 453.333+/-0.063 χ^2/NDF: 15070654.2/58

- sign 491.641+/-0.093 χ^2/NDF: 5927030.1/29



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

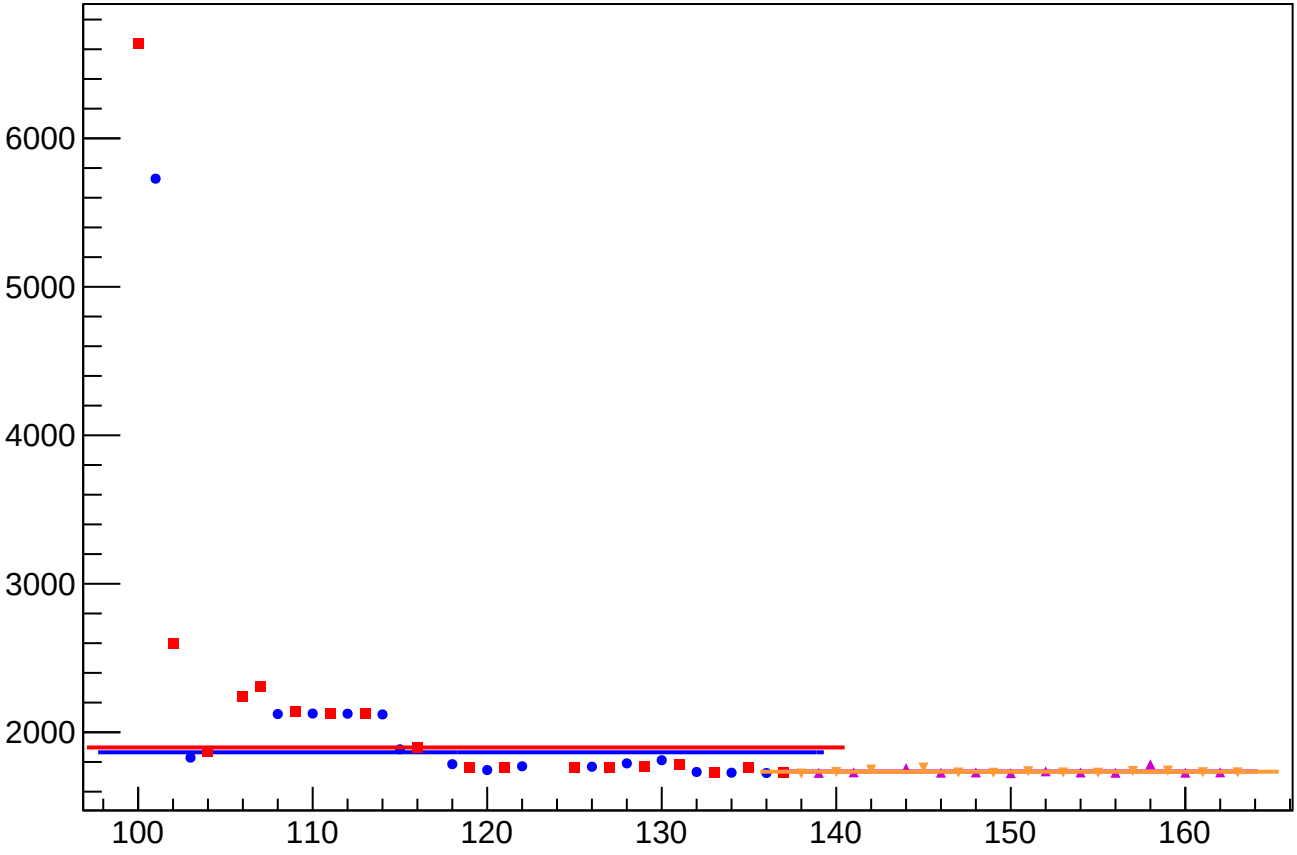
Left In: 228.713+/-539.331 χ^2/NDF:13.7/11

+ sign -186.571+/-428.645 χ^2/NDF: 37.0/28

All: -44.675+/-303.679 χ^2/NDF: 69.1/58

- sign 98.313+/-430.293 χ^2/NDF: 31.9/29

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: 1734.417+/-0.380 χ^2/NDF:689.0/12

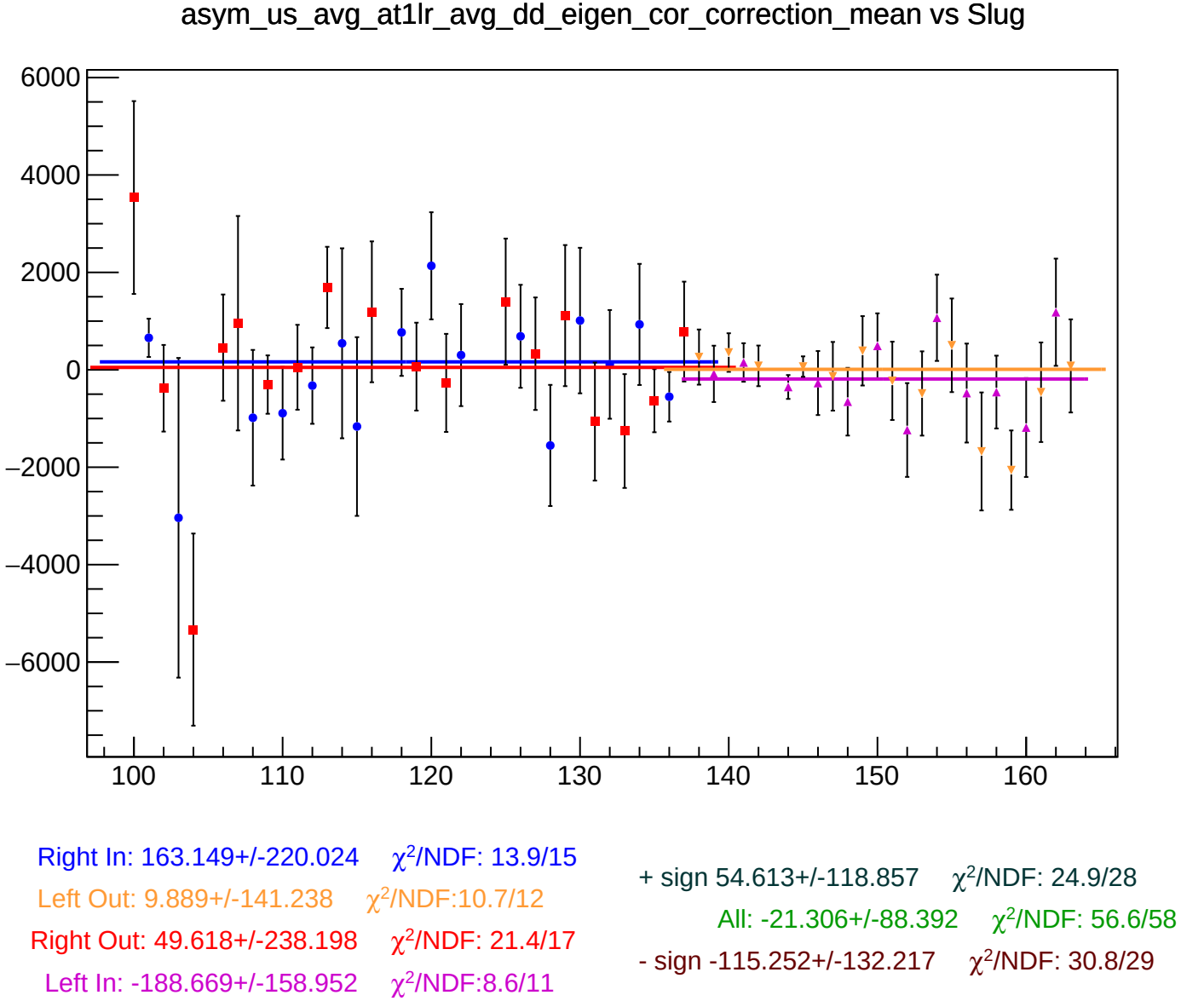
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

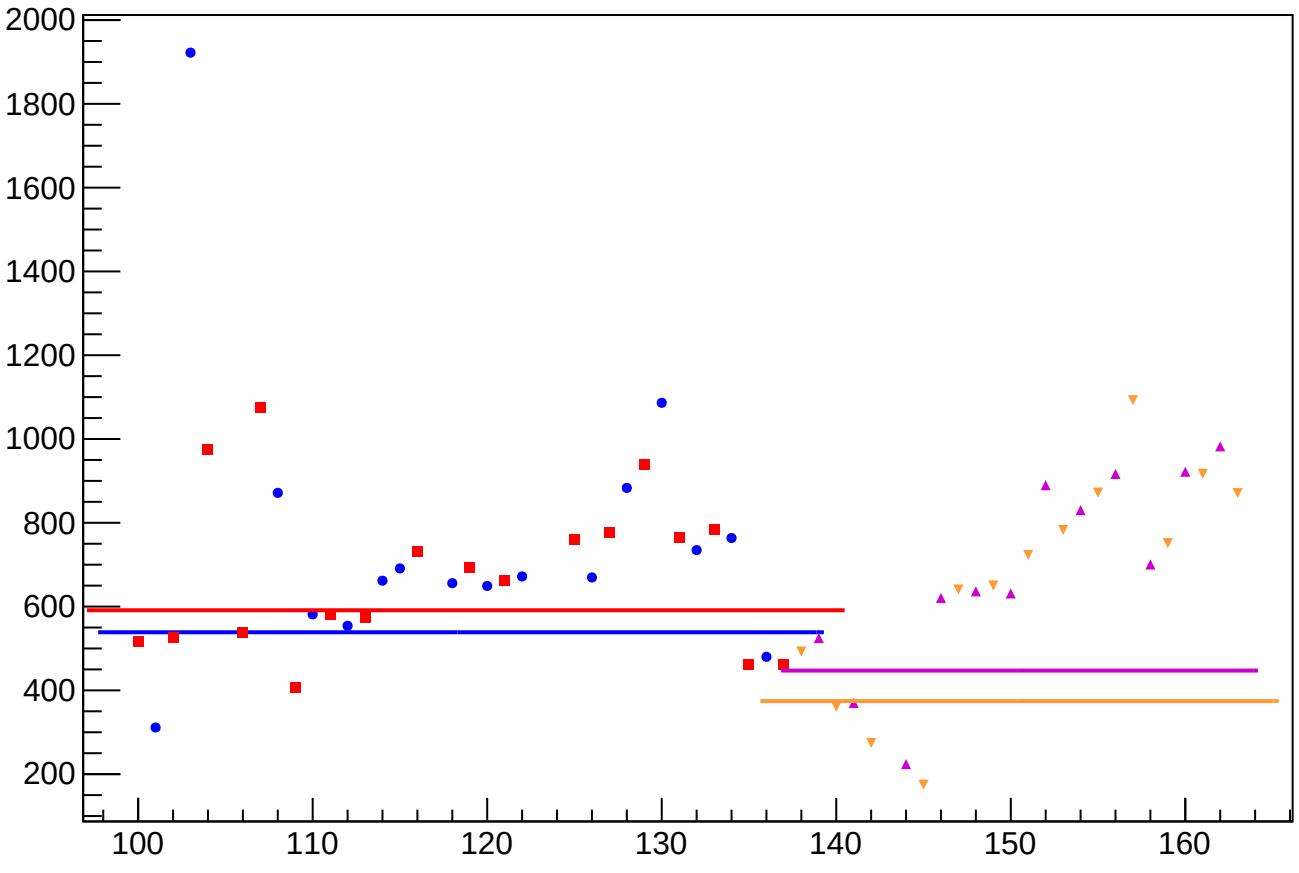
Left In: 1736.199+/-0.381 χ^2/NDF:1880.4/11

+ sign 1782.115+/-0.303 χ^2/NDF: 716535.8/28

All: 1788.483+/-0.215 χ^2/NDF: 1042221.6/58

- sign 1794.900+/-0.304 χ^2/NDF: 324799.6/29


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 9.889+/-141.238 χ²/NDF:10.7/12
Right Out: 49.618+/-238.198 χ²/NDF: 21.4/17
Left In: -188.669+/-158.952 χ²/NDF:8.6/11
+ sign 54.613+/-118.857 χ²/NDF: 24.9/28
All: -21.306+/-88.392 χ²/NDF: 56.6/58
- sign -115.252+/-132.217 χ²/NDF: 30.8/29



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

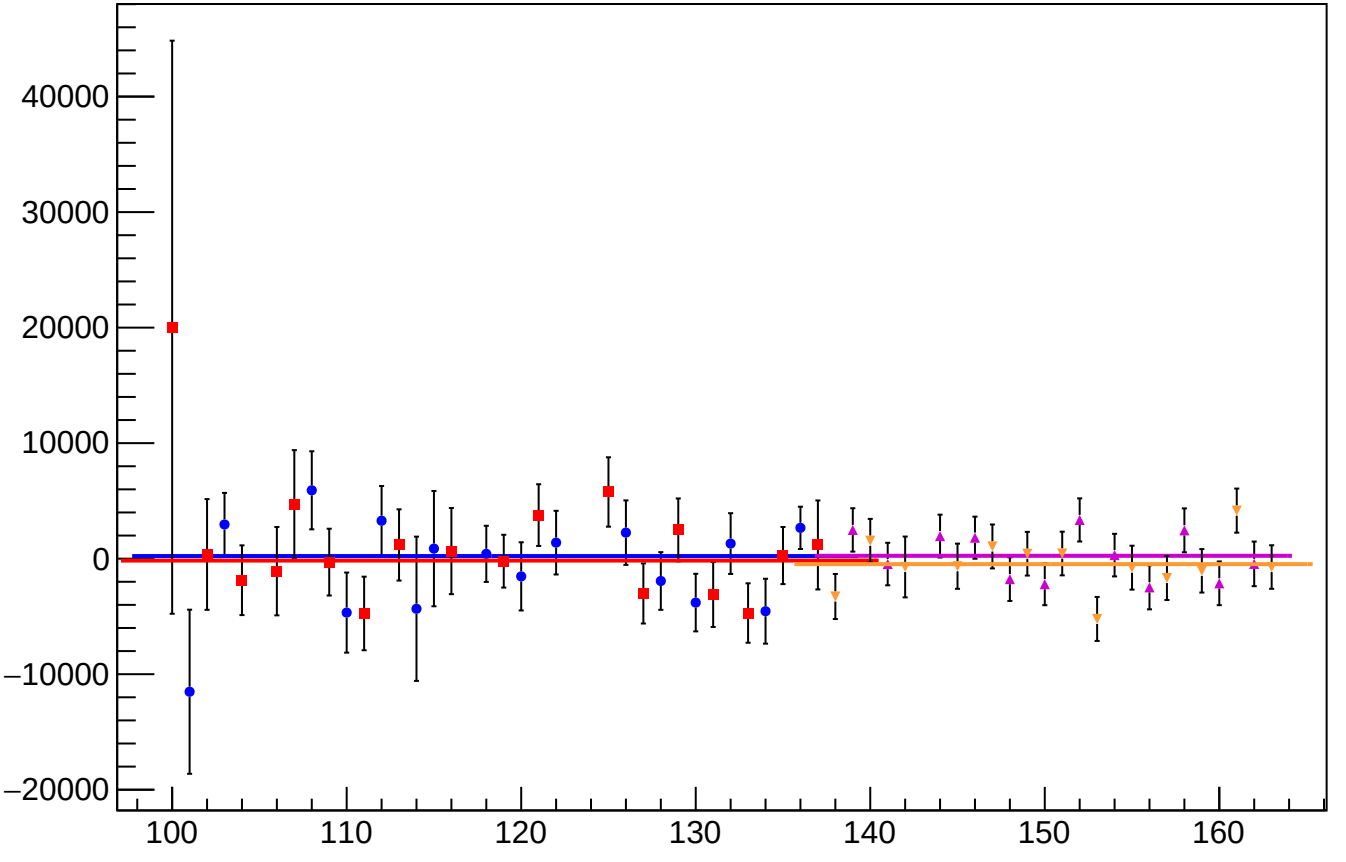
Left In: 447.288+/-0.112 χ^2/NDF:4577086.6/11

+ sign 422.376+/-0.084 χ^2/NDF: 8840059.2/28

All: 453.333+/-0.063 χ^2/NDF: 15070654.2/58

- sign 491.641+/-0.093 χ^2/NDF: 5927030.1/29

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -474.100+/-538.184 χ^2/NDF:17.0/12

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

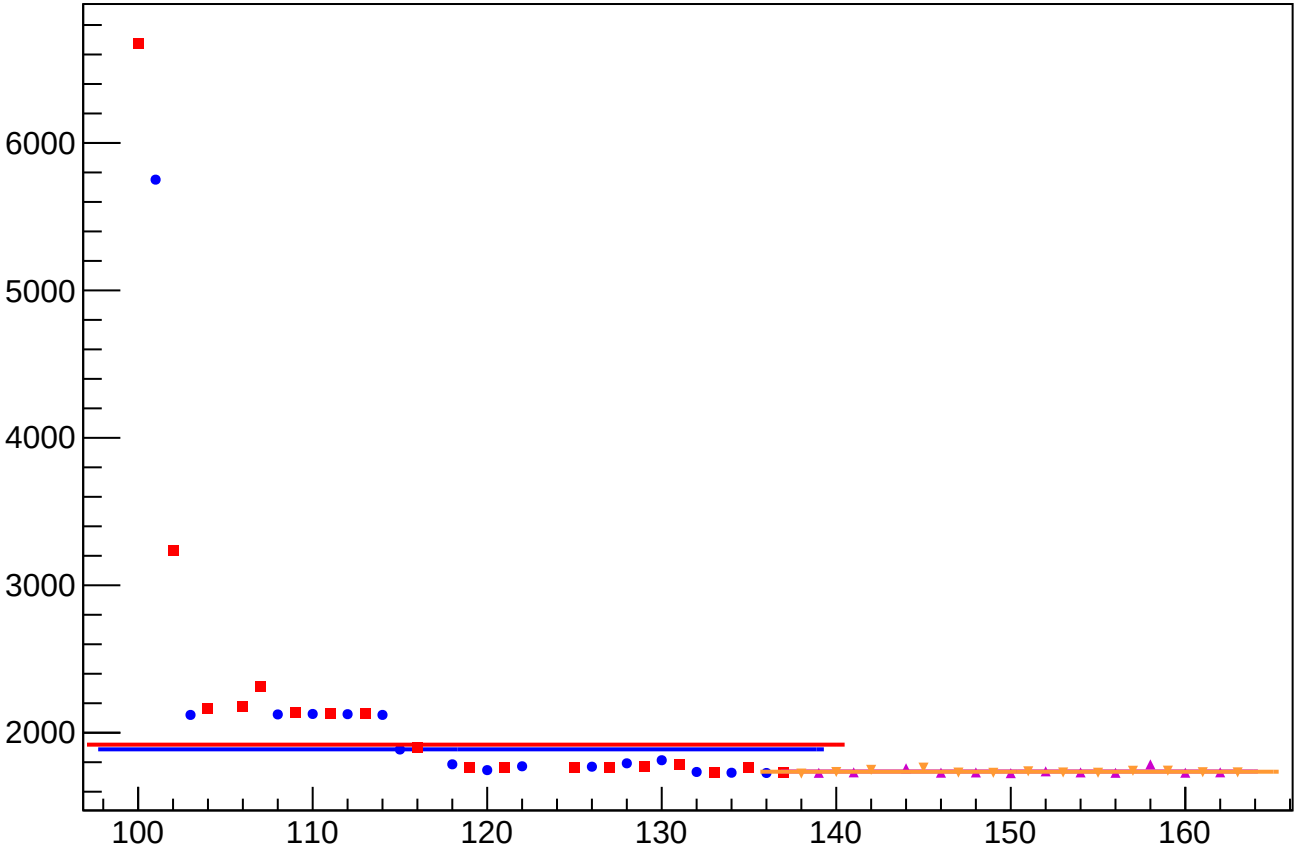
Left In: 249.449+/-539.667 χ^2/NDF:14.0/11

+ sign -222.421+/-430.758 χ^2/NDF: 37.0/28

All: -60.904+/-305.406 χ^2/NDF: 68.5/58

- sign 102.352+/-433.071 χ^2/NDF: 31.2/29

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

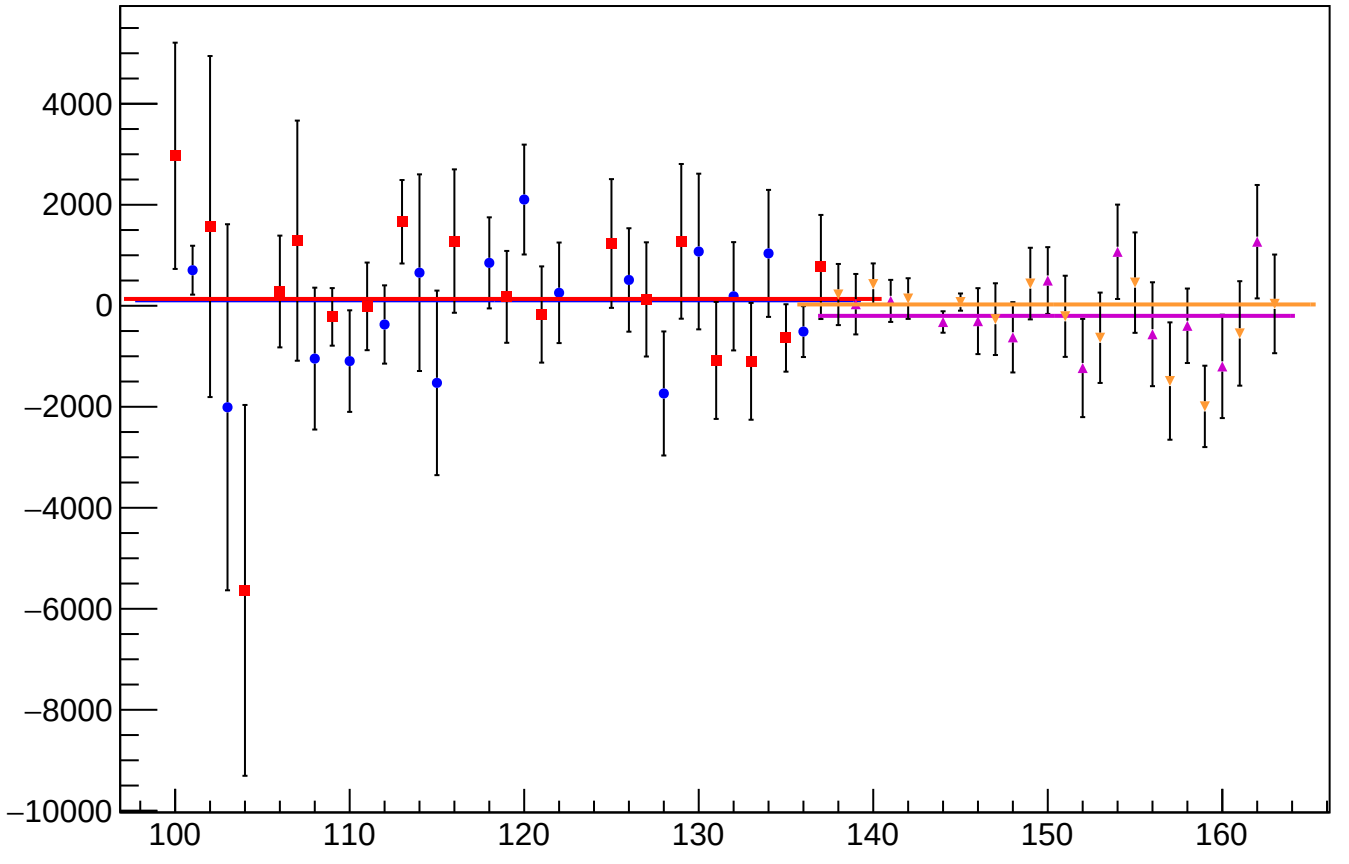
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.278+/-0.382 χ^2/NDF:1880.1/11

+ sign 1790.103+/-0.305 χ^2/NDF: 747271.9/28

All: 1796.037+/-0.216 χ^2/NDF: 1183366.4/58

- sign 1802.035+/-0.306 χ^2/NDF: 435331.4/29



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 26.274+/-127.665 χ^2/NDF:10.8/12

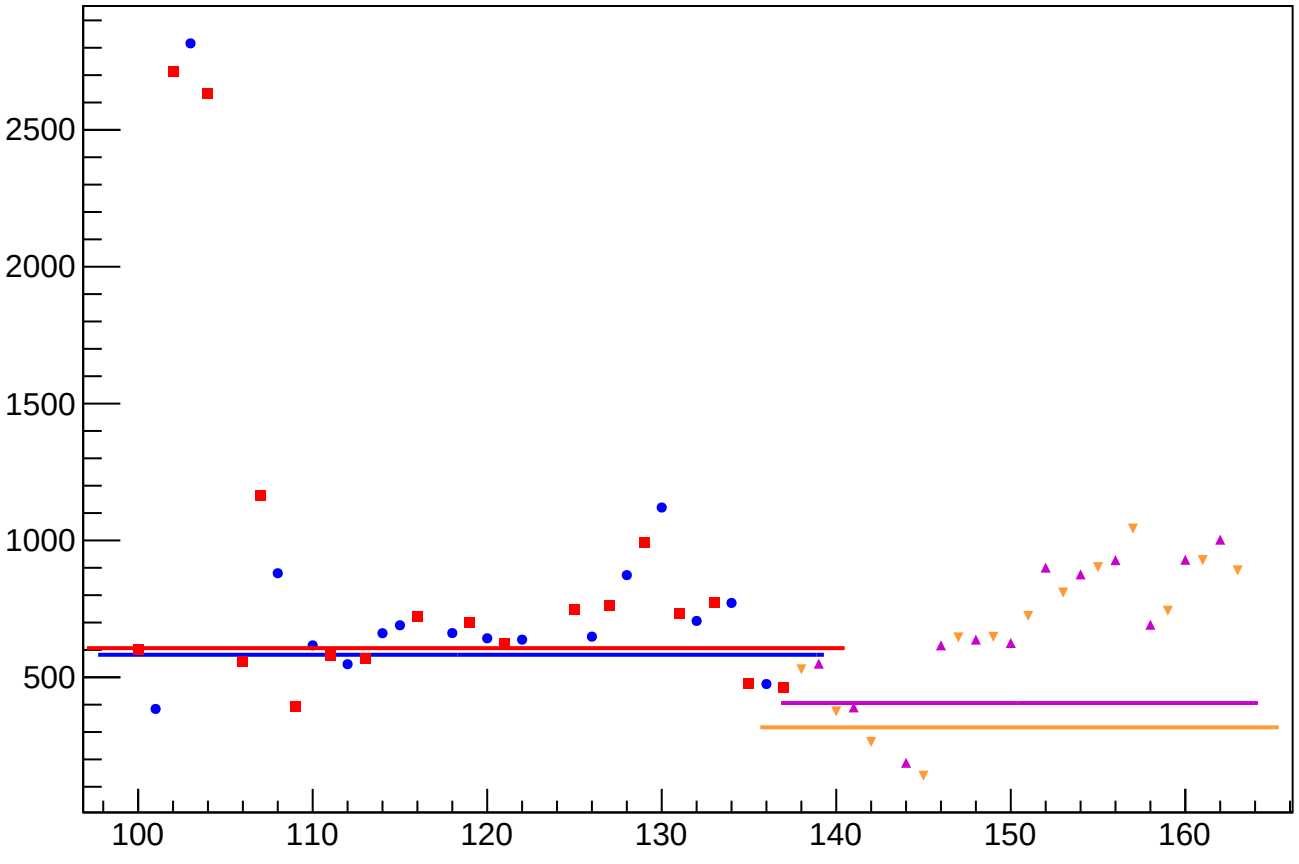
Right Out: 135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: -199.530+/-150.444 χ^2/NDF:8.3/11

+ sign 45.336+/-111.817 χ^2/NDF: 25.1/28

All: -20.979+/-84.306 χ^2/NDF: 49.9/58

- sign -108.337+/-128.336 χ^2/NDF: 24.0/29



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 317.217+/-0.090 χ^2/NDF:7878899.6/12

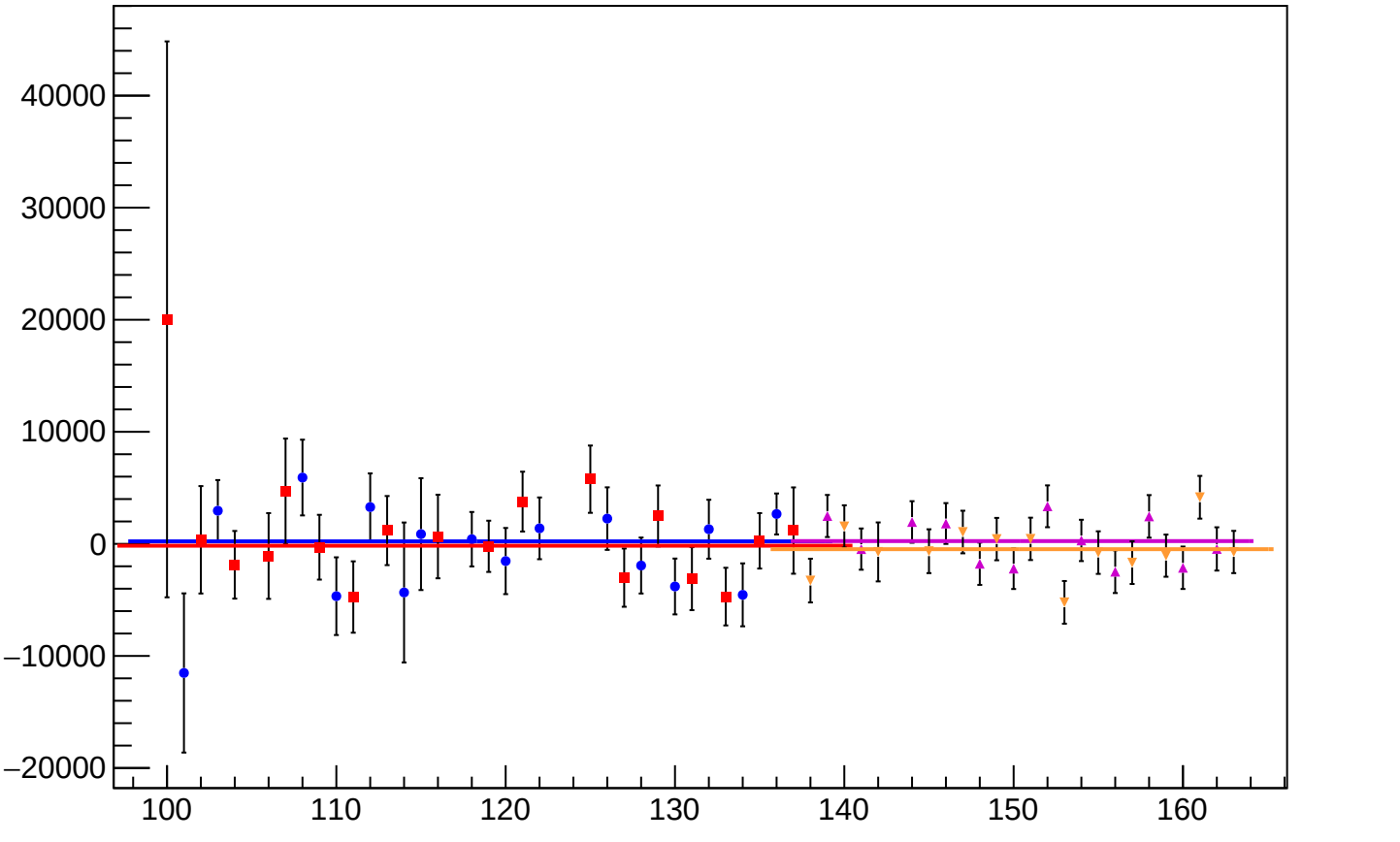
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 405.943+/-0.106 χ^2/NDF:5810223.8/11

+ sign 378.941+/-0.079 χ^2/NDF: 11640766.5/28

All: 414.155+/-0.060 χ^2/NDF: 21076447.4/58

- sign 460.543+/-0.091 χ^2/NDF: 8976022.6/29



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -474.104+/-538.184 χ^2/NDF:17.0/12

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

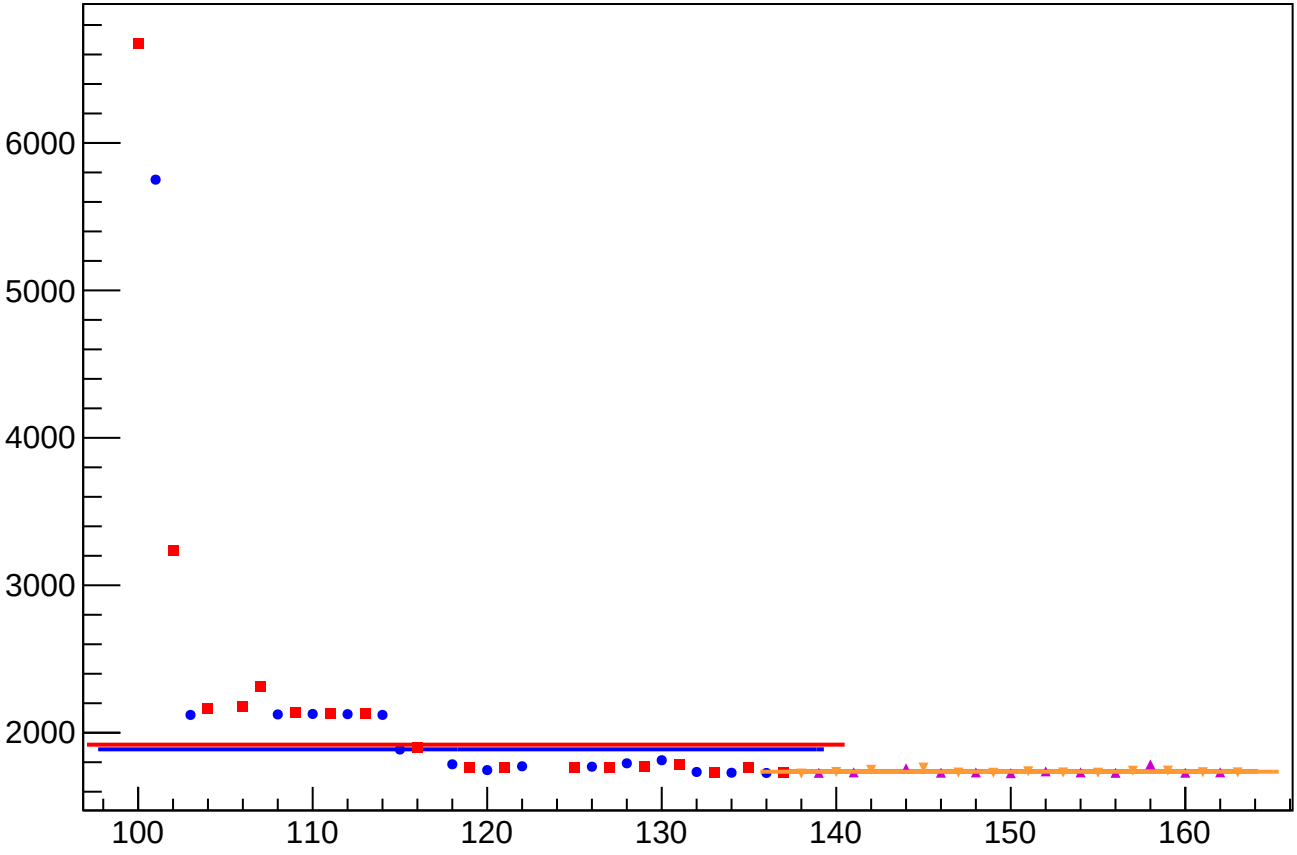
Left In: 249.447+/-539.667 χ^2/NDF:14.0/11

\+ sign -222.424+/-430.758 χ^2/NDF: 37.0/28

All: -60.906+/-305.406 χ^2/NDF: 68.5/58

\- sign 102.351+/-433.071 χ^2/NDF: 31.2/29

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: 1735.573+/-0.381 χ^2/NDF:694.8/12

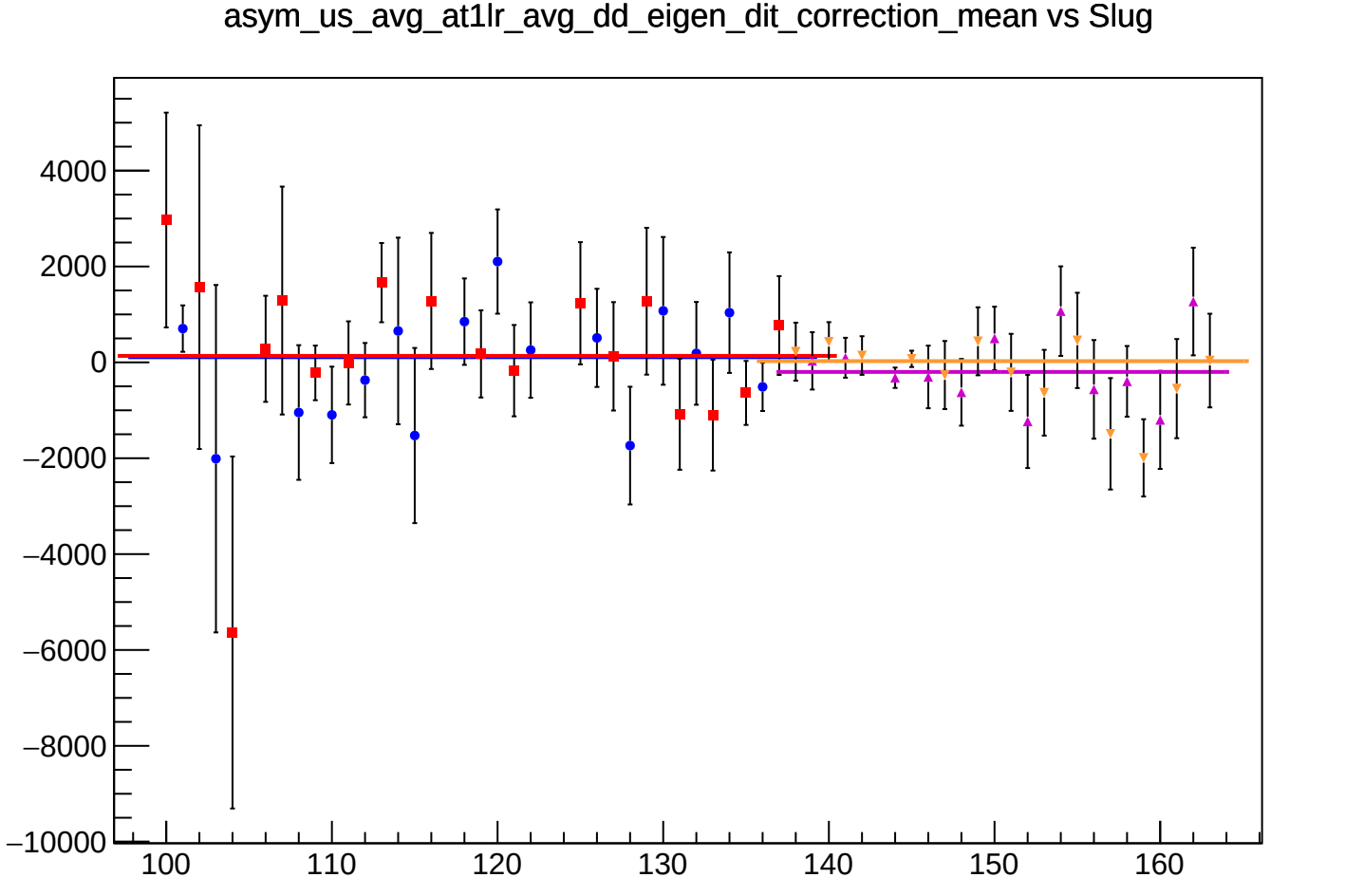
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.278+/-0.382 χ^2/NDF:1880.1/11

+ sign 1790.103+/-0.305 χ^2/NDF: 747271.5/28

All: 1796.037+/-0.216 χ^2/NDF: 1183365.2/58

- sign 1802.035+/-0.306 χ^2/NDF: 435330.5/29



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 26.272+/-127.666 χ^2/NDF:10.8/12

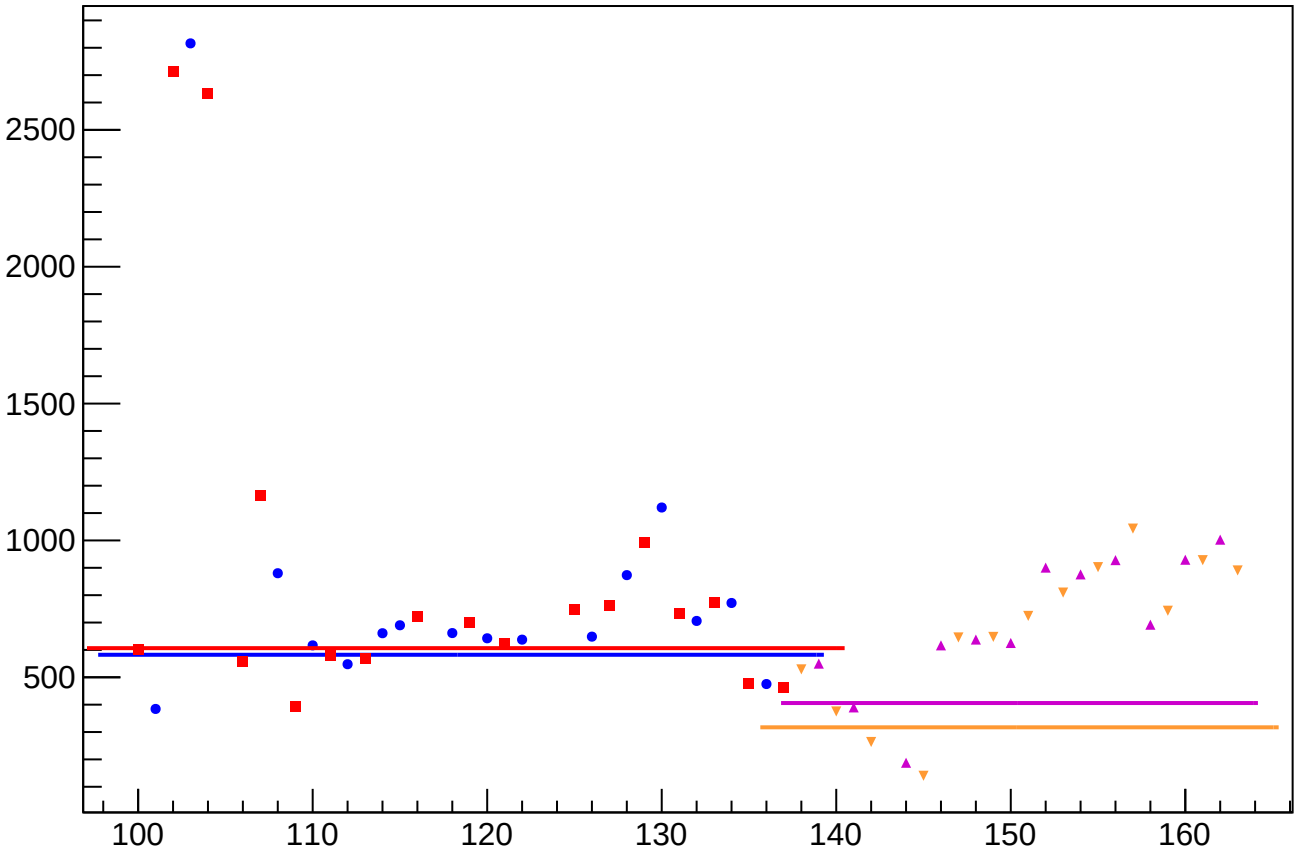
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -199.530+/-150.444 χ^2/NDF:8.3/11

+ sign 45.334+/-111.817 χ^2/NDF: 25.1/28

All: -20.980+/-84.306 χ^2/NDF: 49.9/58

- sign -108.336+/-128.336 χ^2/NDF: 24.0/29



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 317.217+/-0.090 χ^2/NDF:7878930.0/12

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

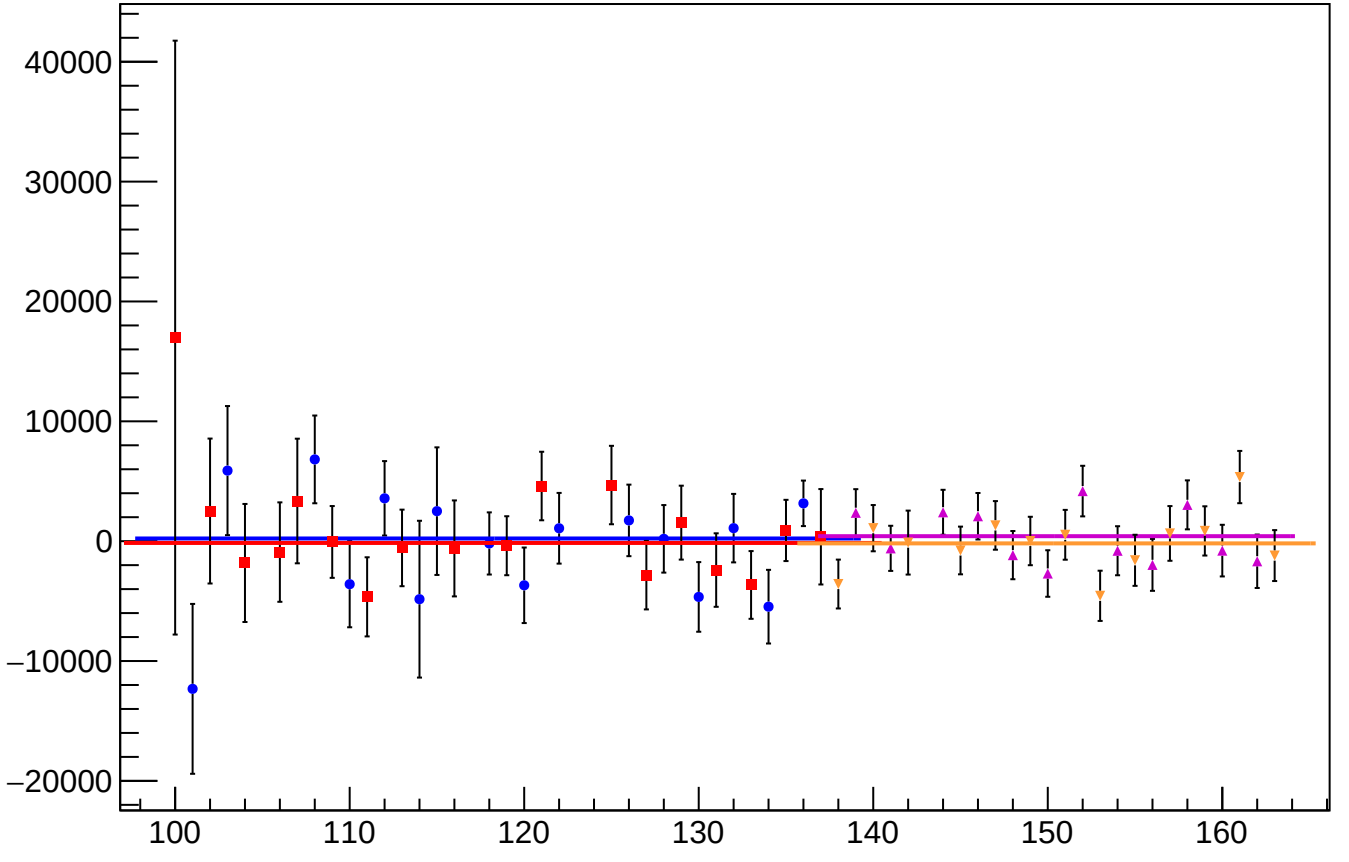
Left In: 405.943+/-0.106 χ^2/NDF:5810243.6/11

+ sign 378.941+/-0.079 χ^2/NDF: 11640769.4/28

All: 414.155+/-0.060 χ^2/NDF: 21076450.9/58

- sign 460.543+/-0.091 χ^2/NDF: 8976023.5/29

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -184.313+/-584.174 χ^2/NDF:15.8/12

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

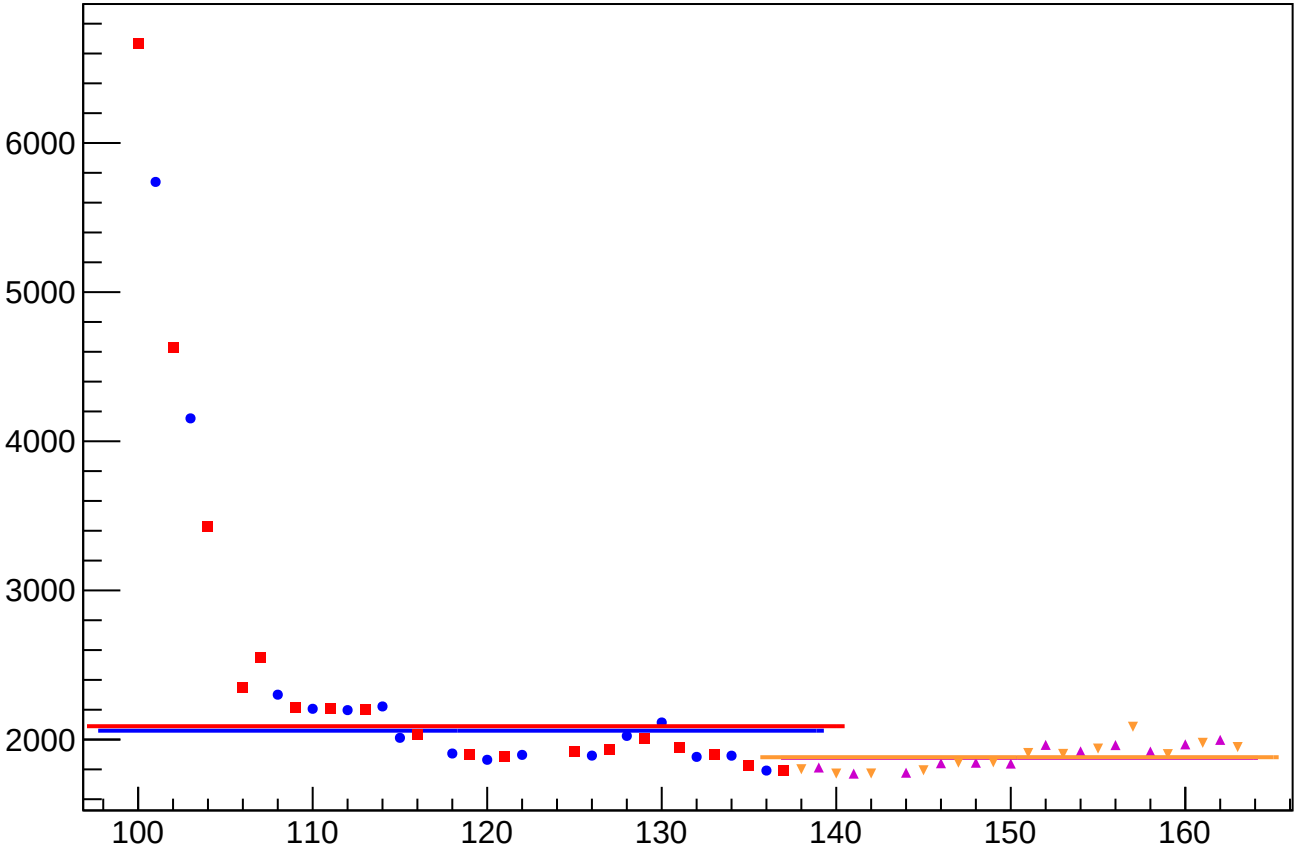
Left In: 416.551+/-583.653 χ^2/NDF:13.9/11

+ sign -40.184+/-470.057 χ^2/NDF: 37.2/28

All: 89.128+/-332.469 χ^2/NDF: 63.1/58

- sign 218.577+/-470.306 χ^2/NDF: 25.8/29

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1881.586+/-0.413 χ^2/NDF:42289.9/12

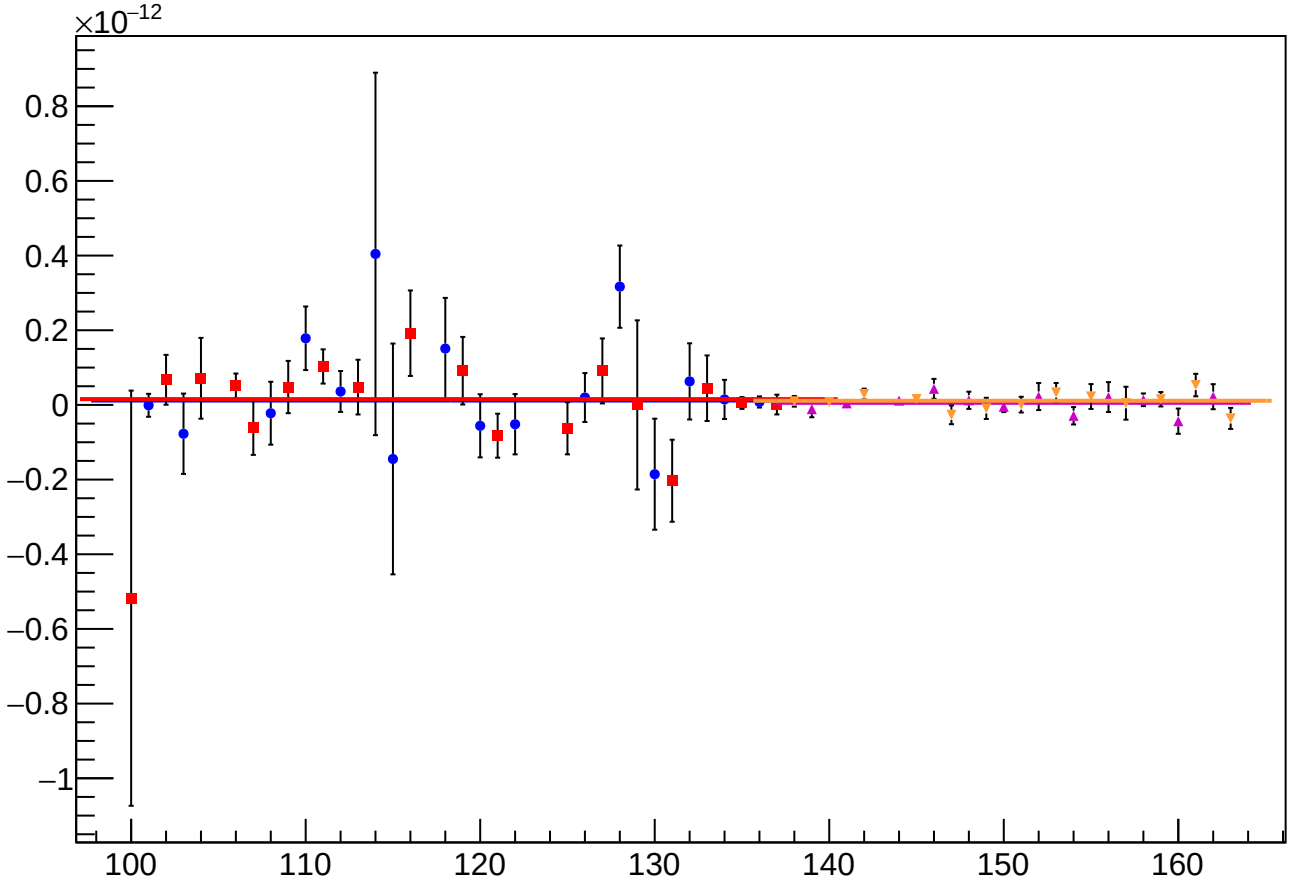
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1877.241+/-0.413 χ^2/NDF:33750.6/11

+ sign 1944.306+/-0.332 χ^2/NDF: 1047559.0/28

All: 1947.986+/-0.235 χ^2/NDF: 1855764.1/58

- sign 1951.670+/-0.333 χ^2/NDF: 807959.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/12

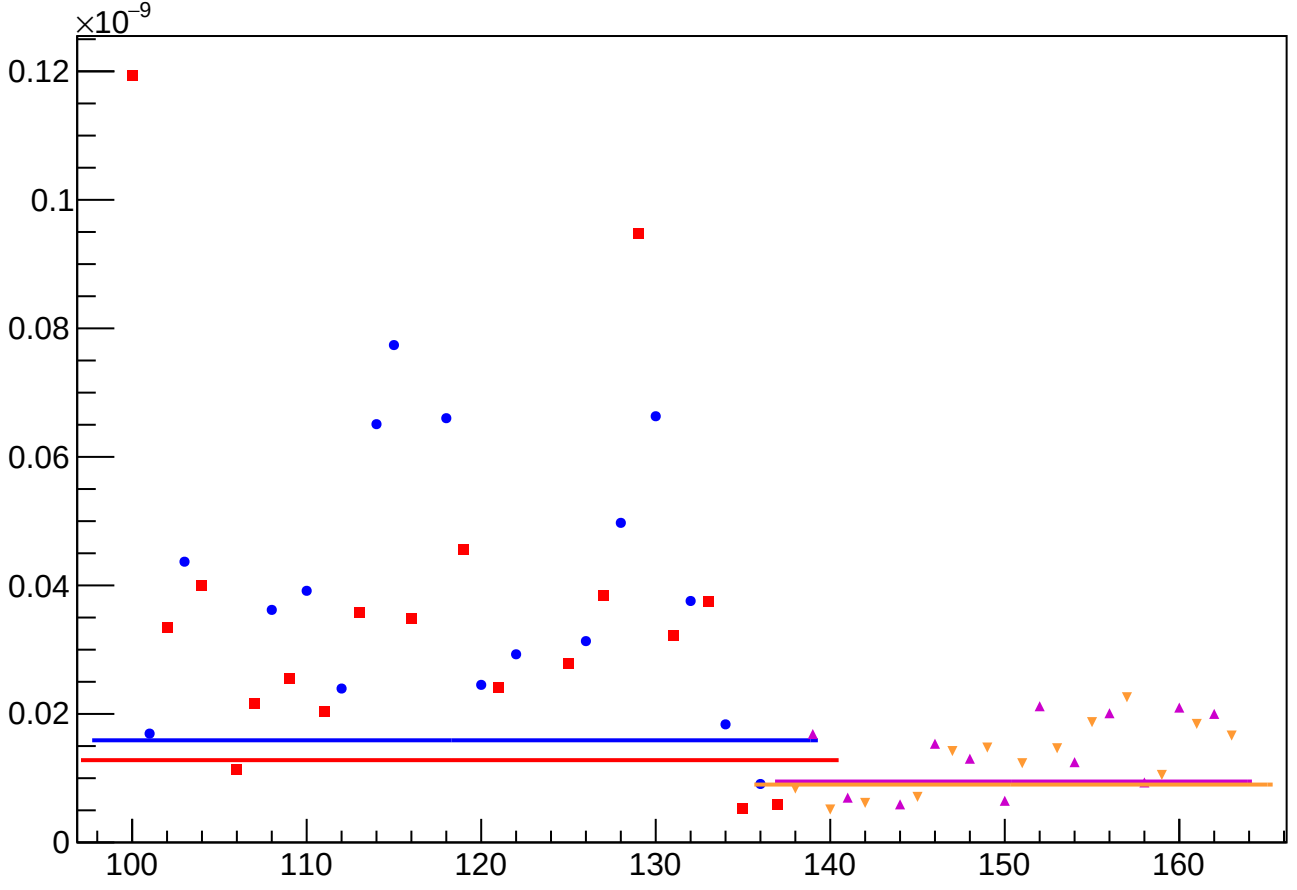
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:8.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 28.6/28

All: 0.000+/-0.000 χ^2/NDF: 59.1/58

- sign 0.000+/-0.000 χ^2/NDF: 30.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1486386.0/12

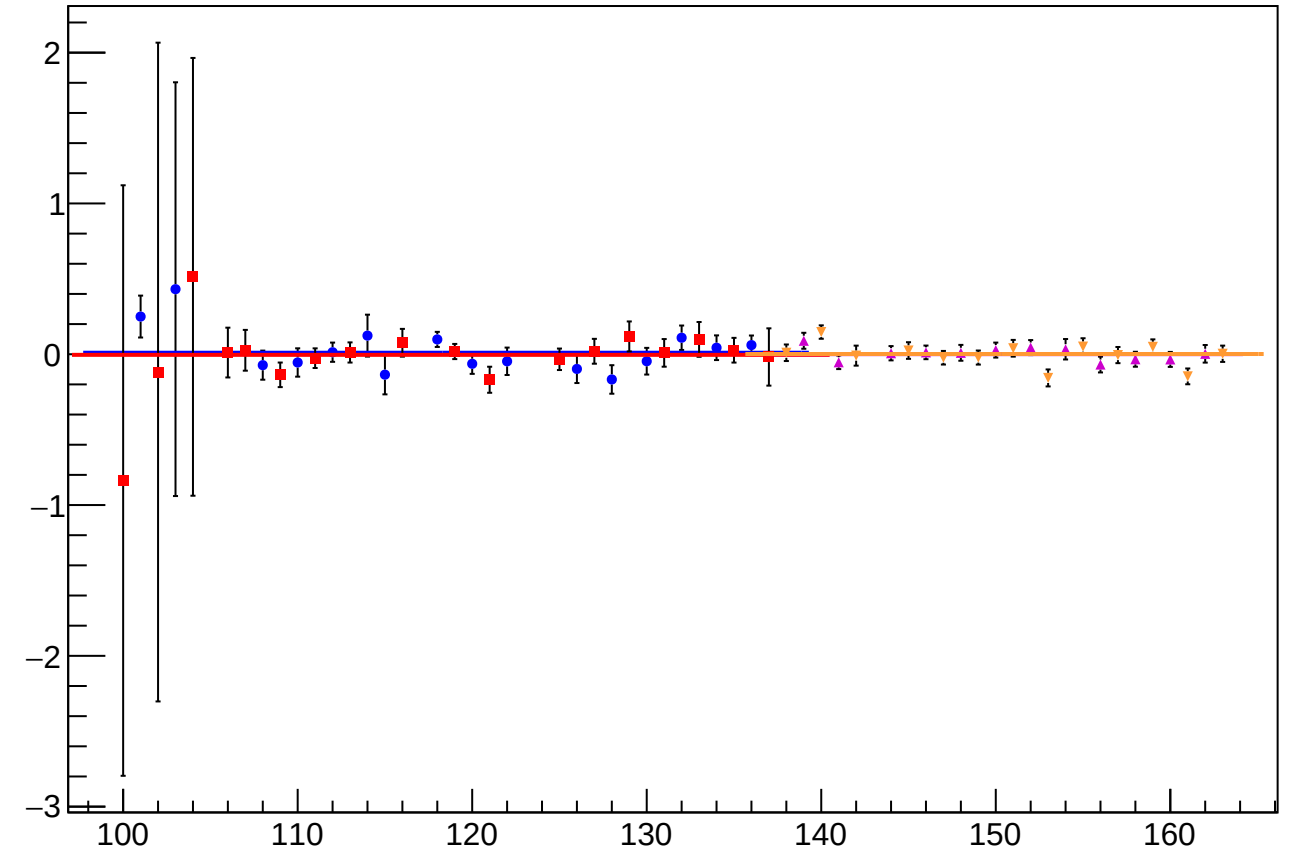
Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1639280.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 4019596.9/28

All: 0.000+/-0.000 χ^2/NDF: 8301313.9/58

- sign 0.000+/-0.000 χ^2/NDF: 4281624.0/29



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/12

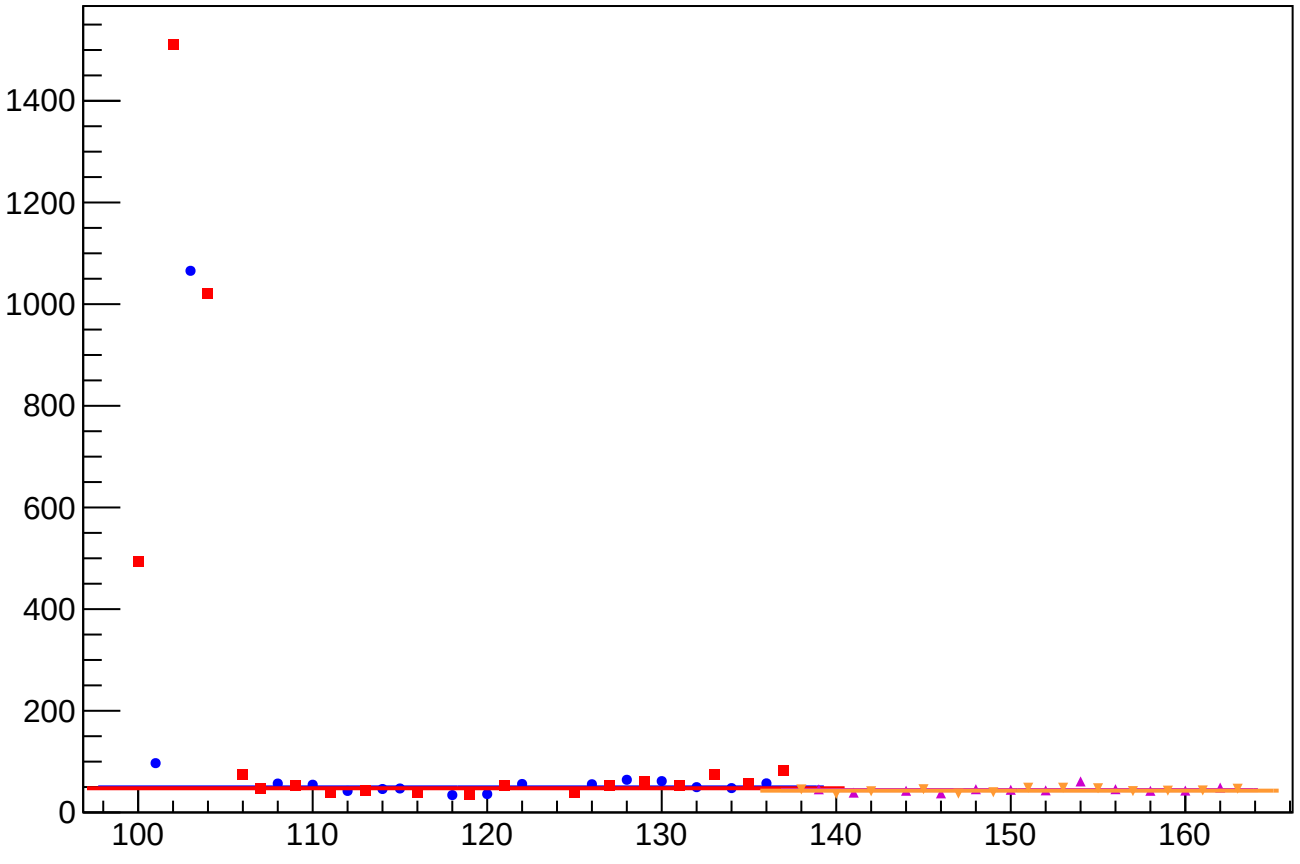
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.001+/-0.015 χ^2/NDF:8.3/11

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.002+/-0.008 χ^2/NDF: 67.1/58

- sign -0.001+/-0.012 χ^2/NDF: 18.9/29



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.898+/-0.010 χ^2/NDF:162056.5/12

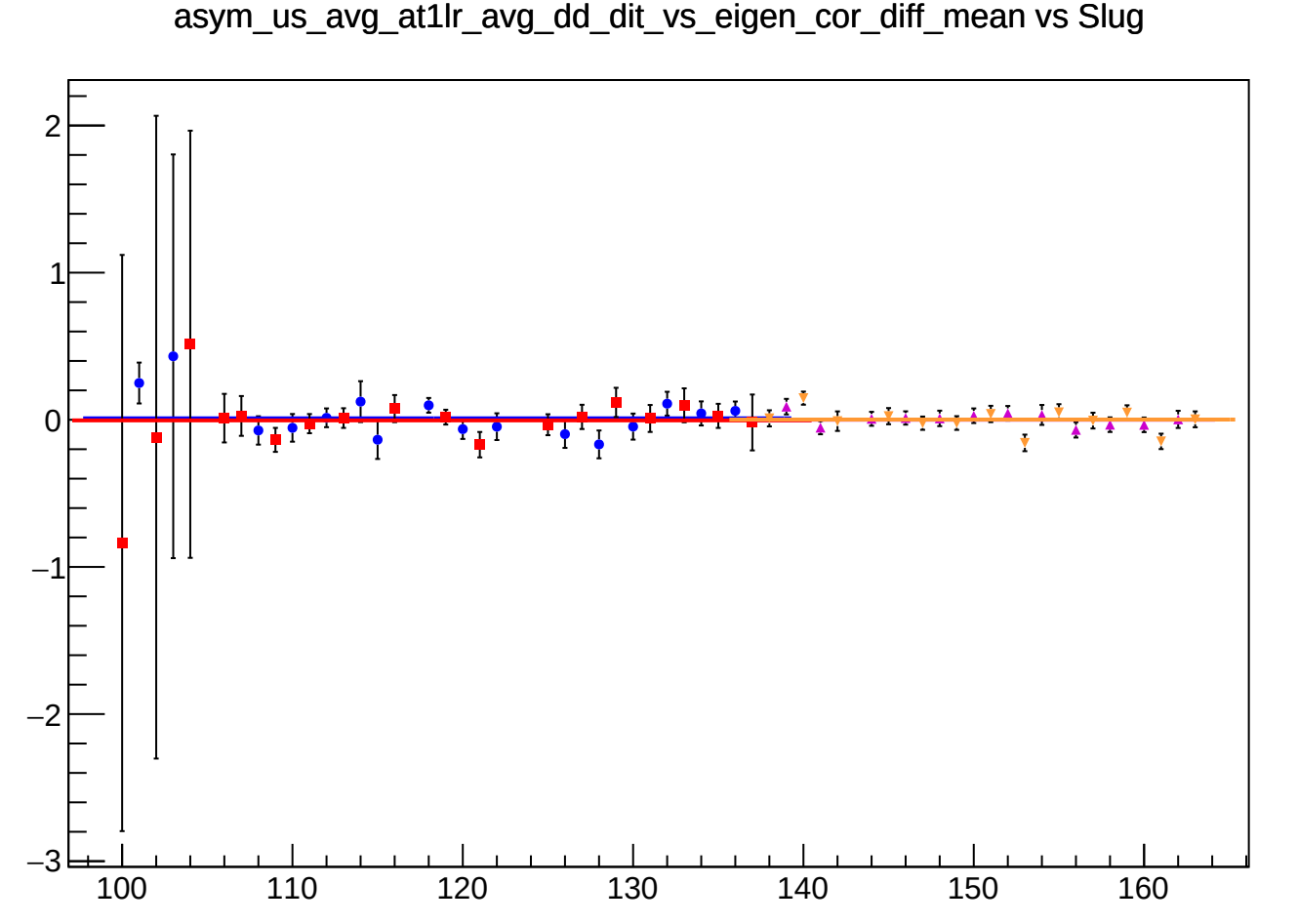
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.031+/-0.010 χ^2/NDF:215210.0/11

+ sign 44.977+/-0.008 χ^2/NDF: 2066695.9/28

All: 45.070+/-0.006 χ^2/NDF: 4737977.5/58

- sign 45.166+/-0.009 χ^2/NDF: 2671034.9/29



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

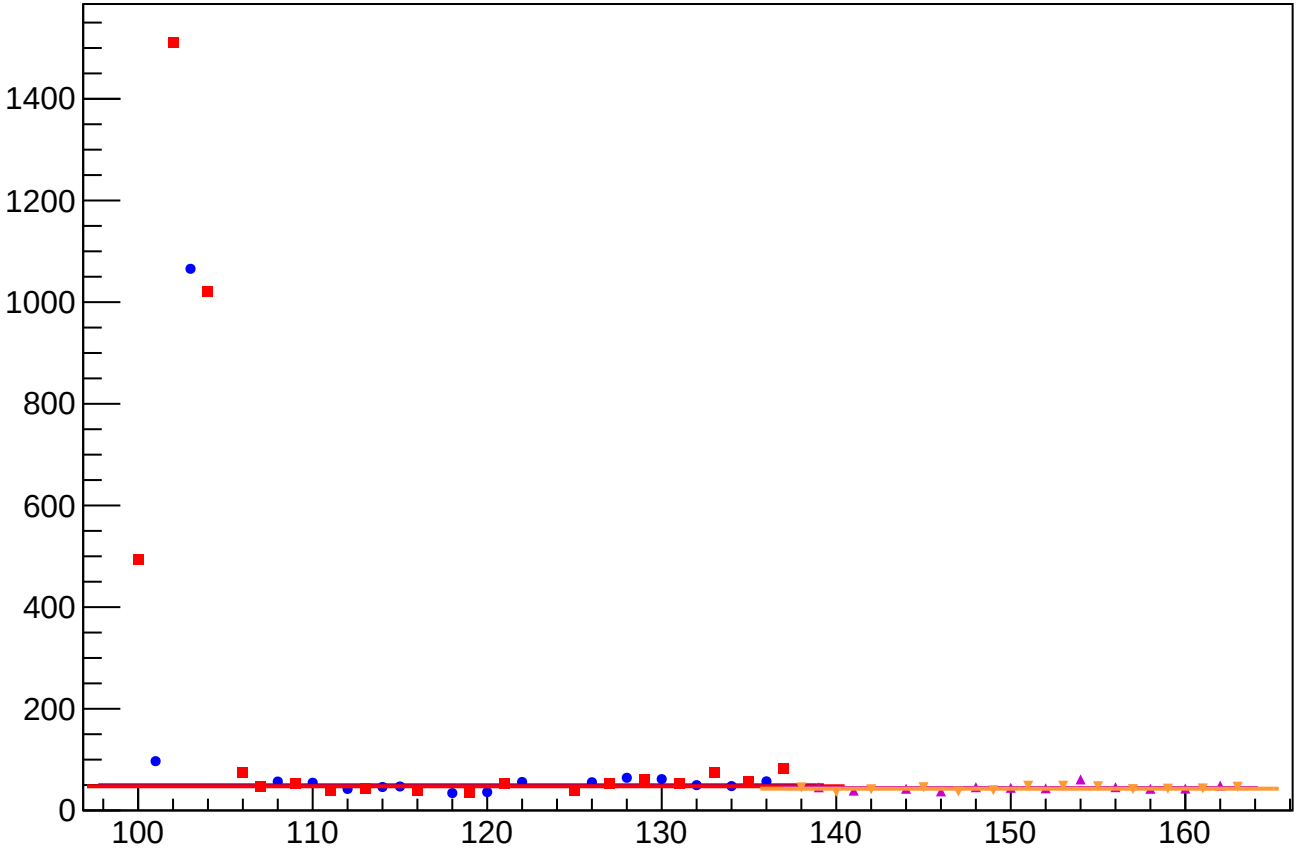
Left In: 0.001+/-0.015 χ^2/NDF:8.3/11

+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.002+/-0.008 χ^2/NDF: 67.1/58

- sign -0.001+/-0.012 χ^2/NDF: 18.9/29

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.898+/-0.010 χ^2/NDF:162056.5/12

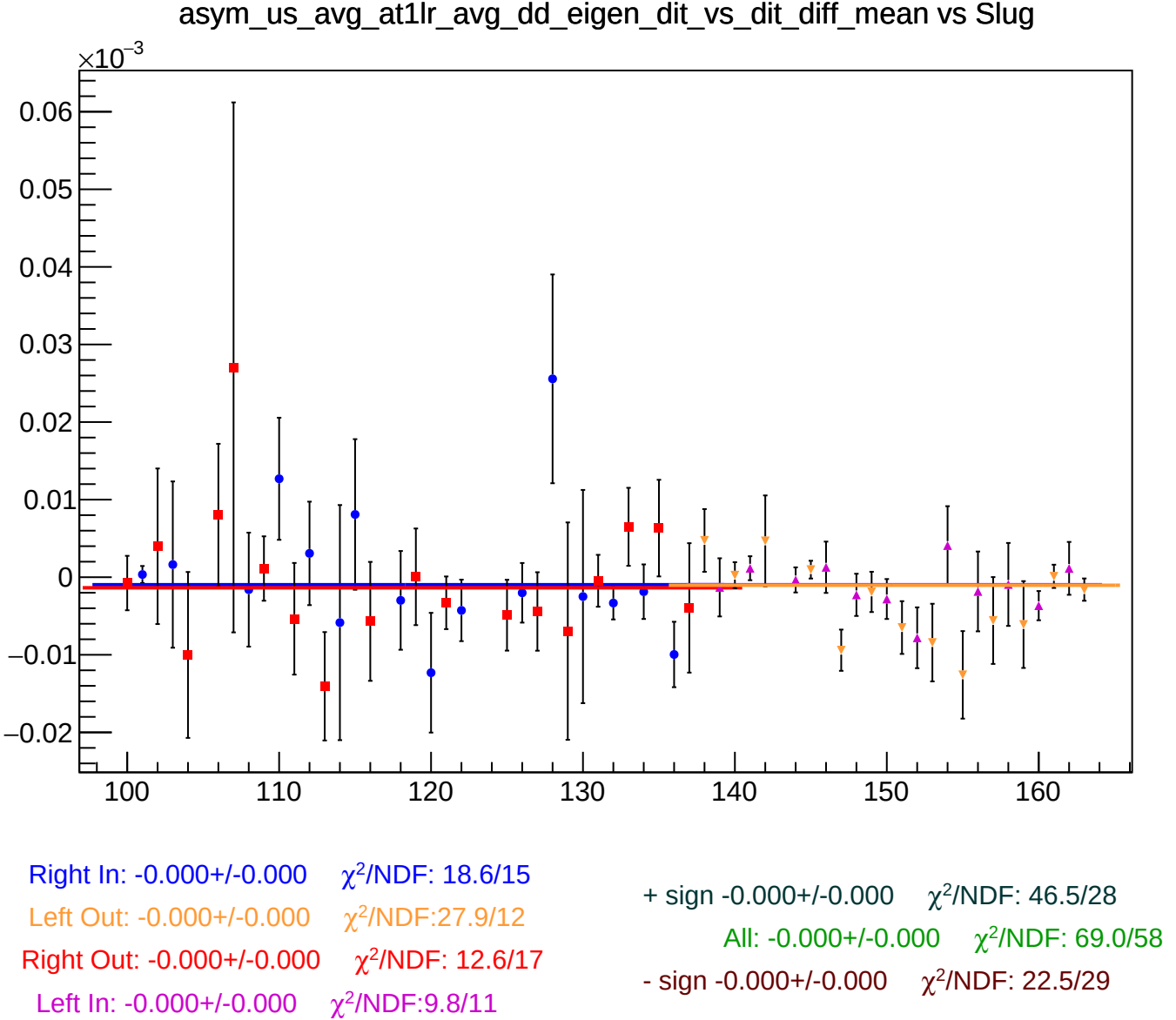
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

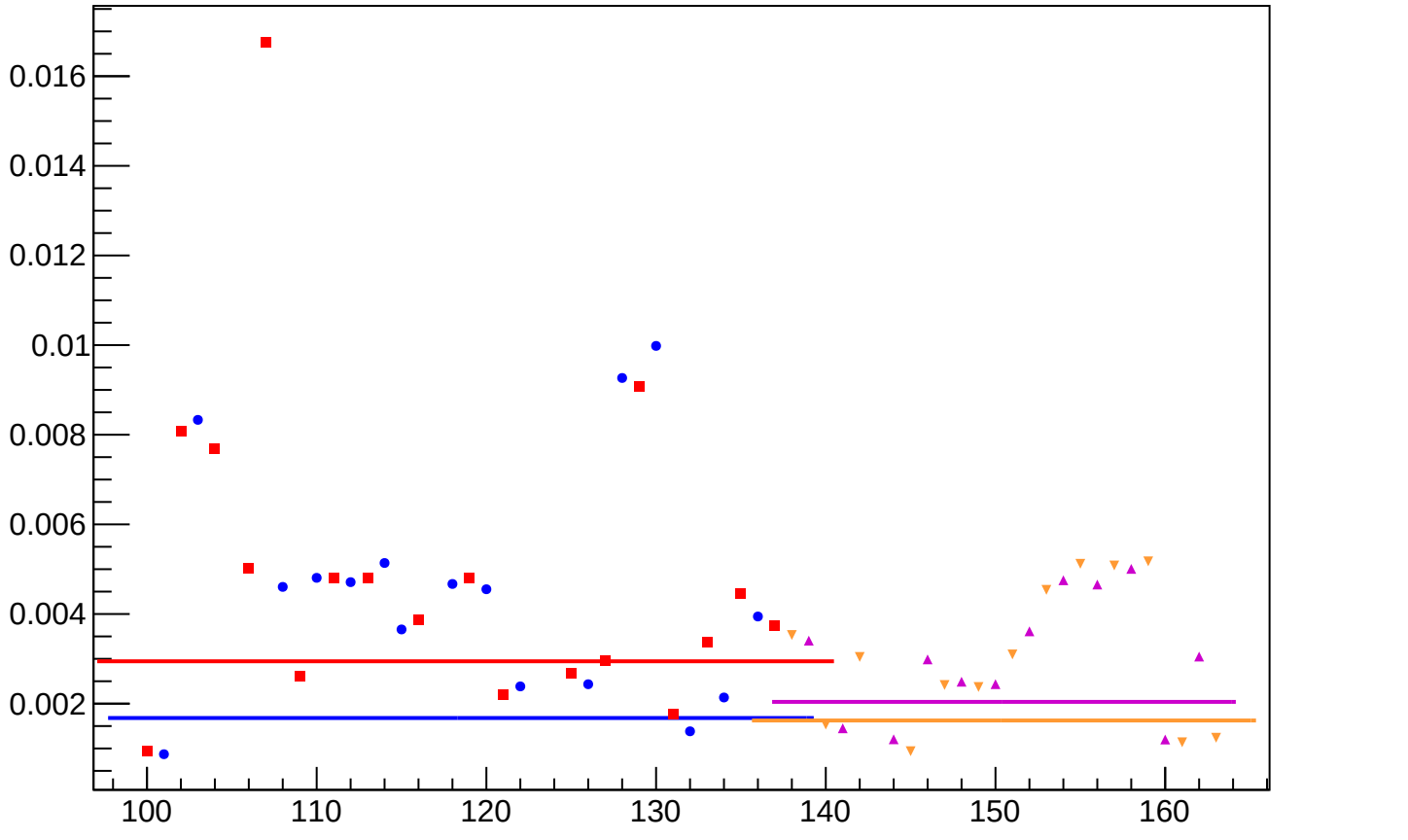
Left In: 44.031+/-0.010 χ^2/NDF:215210.0/11

+ sign 44.977+/-0.008 χ^2/NDF: 2066695.9/28

All: 45.070+/-0.006 χ^2/NDF: 4737977.5/58

- sign 45.166+/-0.009 χ^2/NDF: 2671034.9/29


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
160
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:27.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:9.8/11
+ sign -0.000+/-0.000 χ²/NDF: 46.5/28
All: -0.000+/-0.000 χ²/NDF: 69.0/58
- sign -0.000+/-0.000 χ²/NDF: 22.5/29



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:5374980.7/12

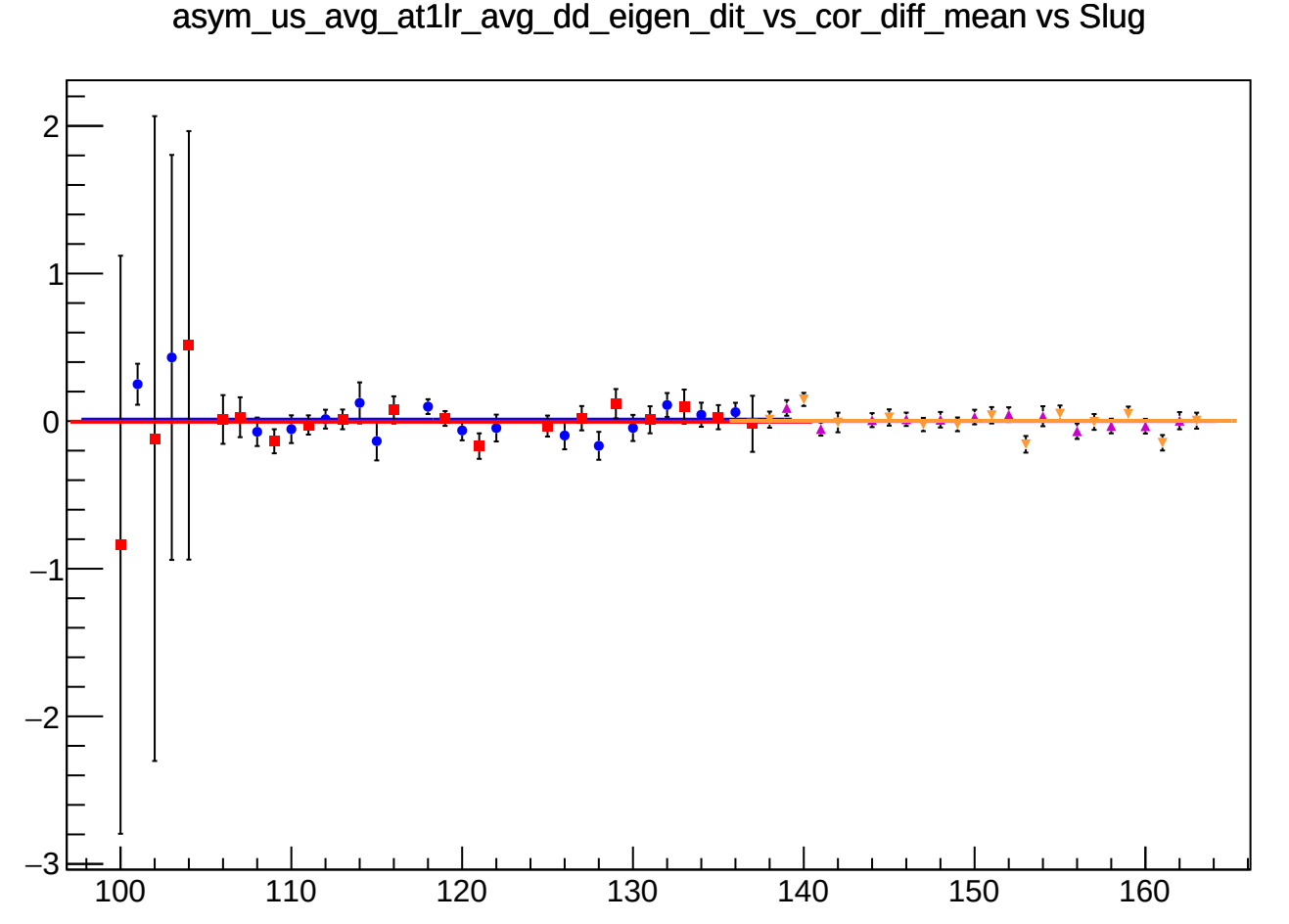
Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3959720.6/11

+ sign 0.002+/-0.000 χ^2/NDF: 11340998.2/28

All: 0.002+/-0.000 χ^2/NDF: 20593594.4/58

- sign 0.002+/-0.000 χ^2/NDF: 8078369.8/29



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/12

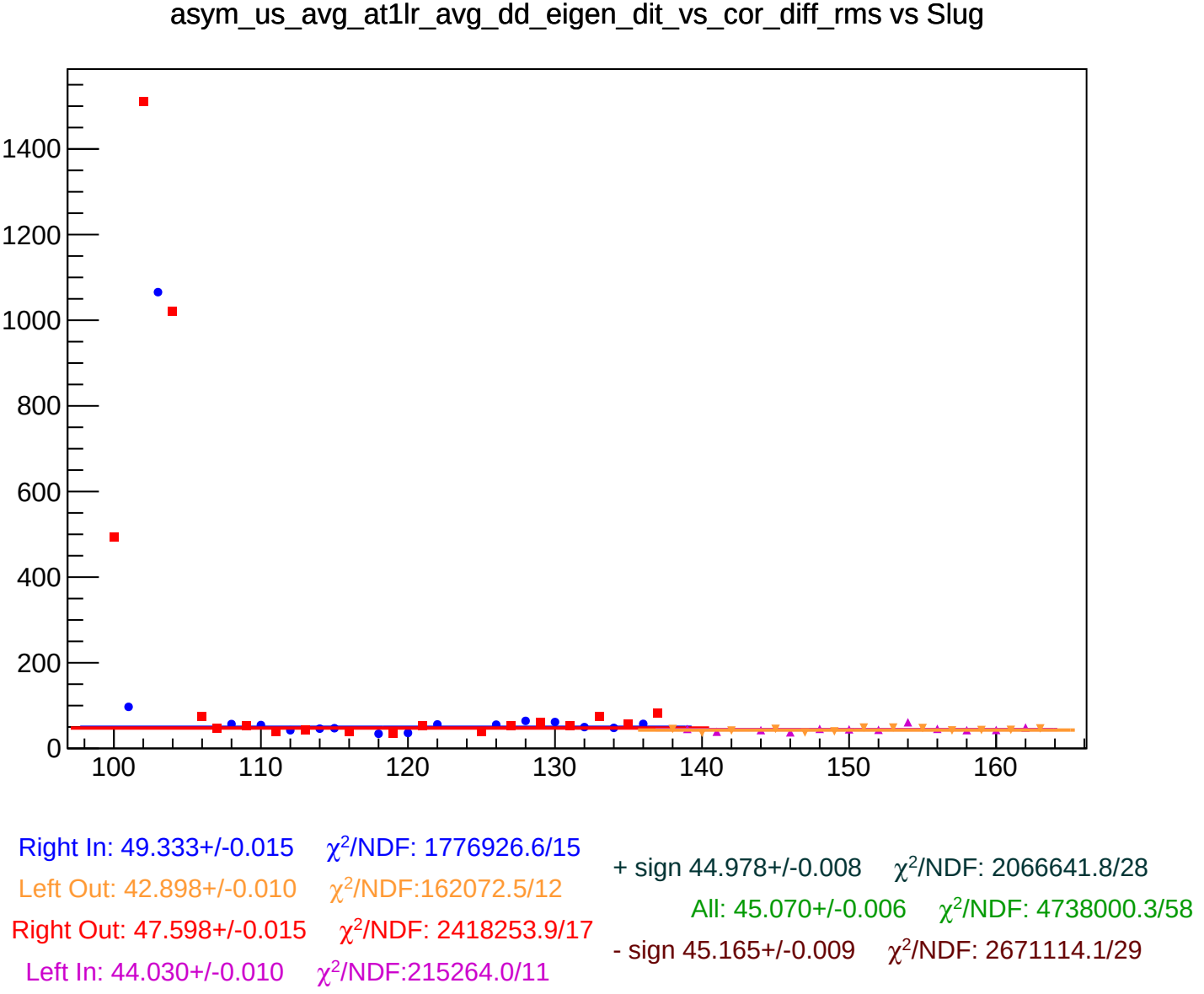
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.001+/-0.015 χ^2/NDF:8.3/11

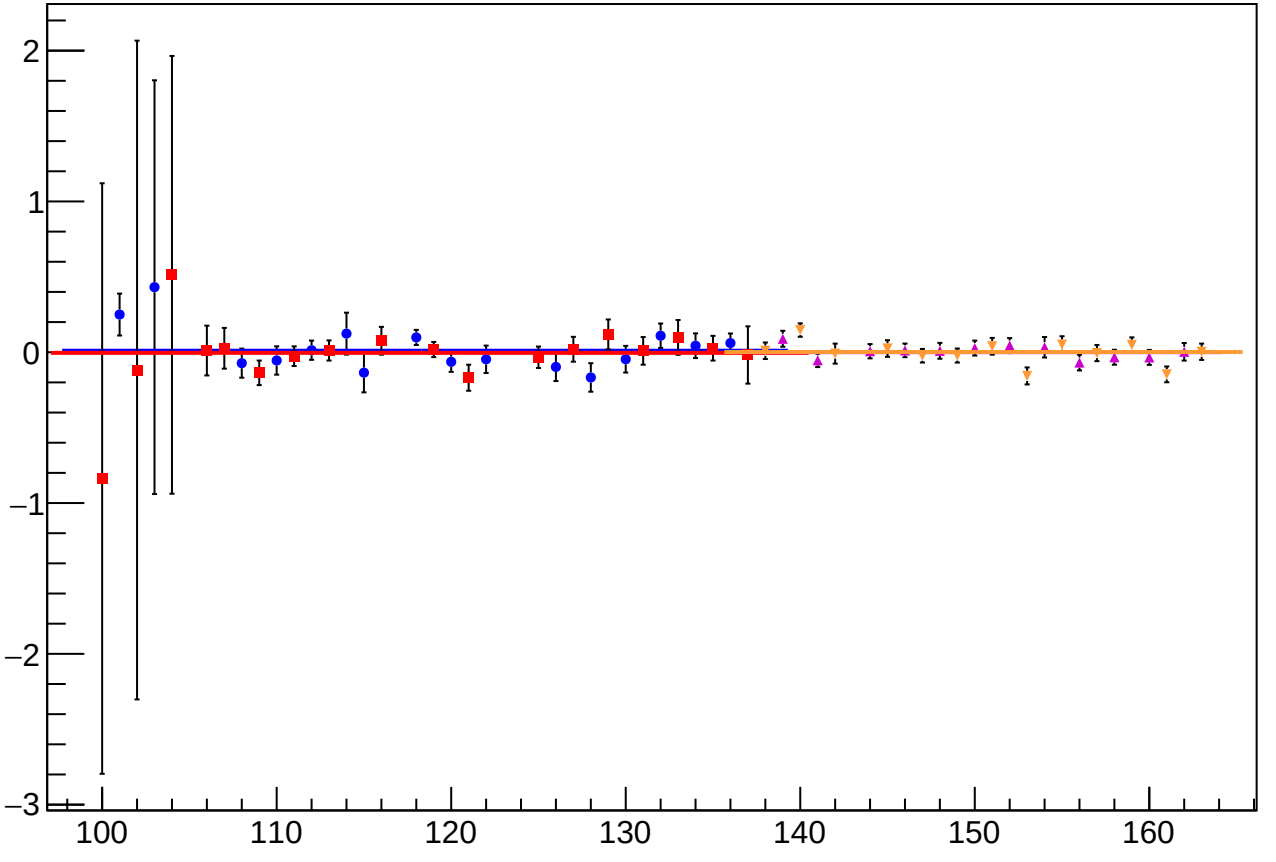
+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.002+/-0.008 χ^2/NDF: 67.1/58

- sign -0.001+/-0.012 χ^2/NDF: 18.9/29


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
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.898+/-0.010 χ²/NDF:162072.5/12
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.030+/-0.010 χ²/NDF:215264.0/11
+ sign 44.978+/-0.008 χ²/NDF: 2066641.8/28
All: 45.070+/-0.006 χ²/NDF: 4738000.3/58
- sign 45.165+/-0.009 χ²/NDF: 2671114.1/29

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: 0.002+/-0.014 χ^2/NDF:29.6/12

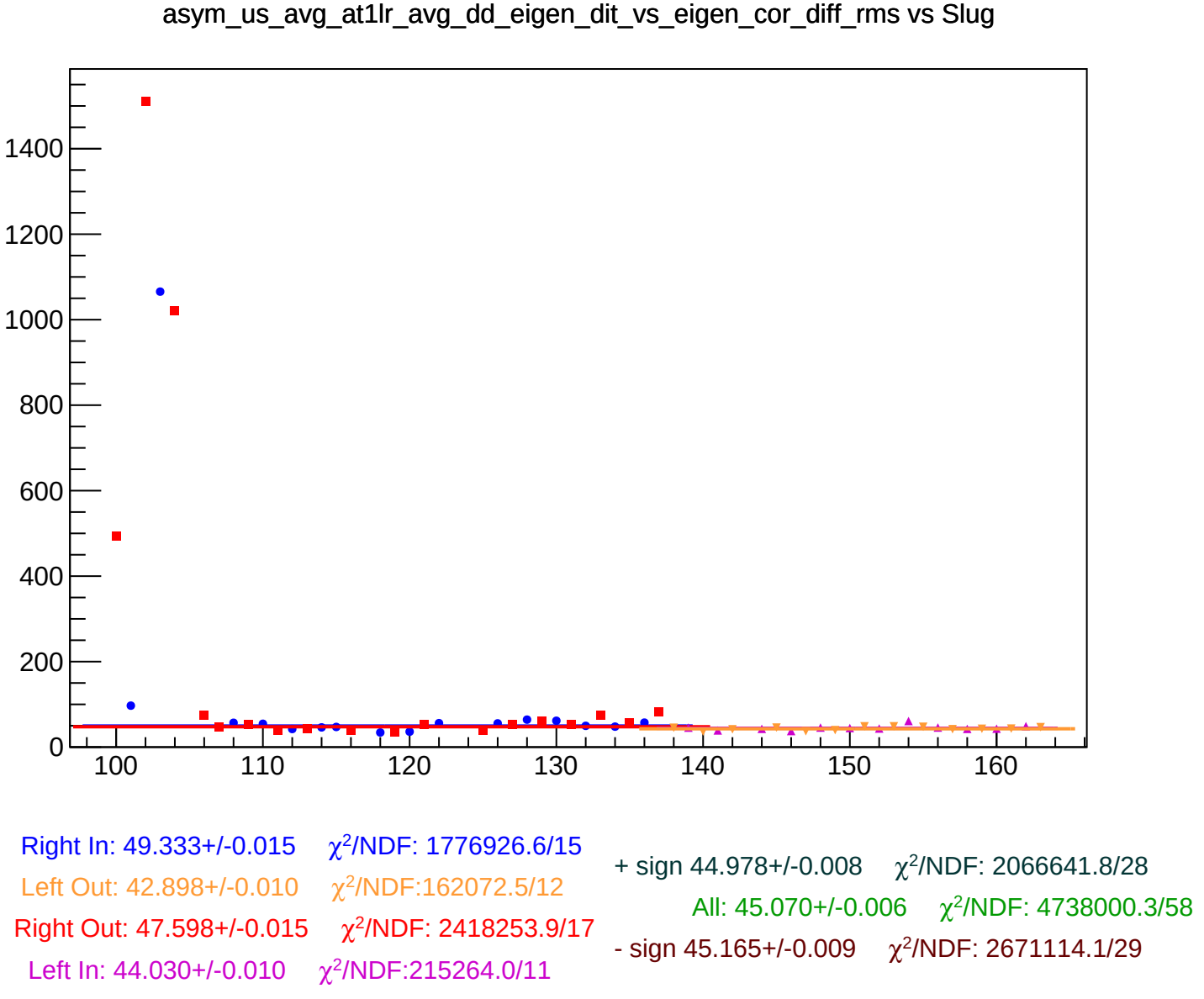
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

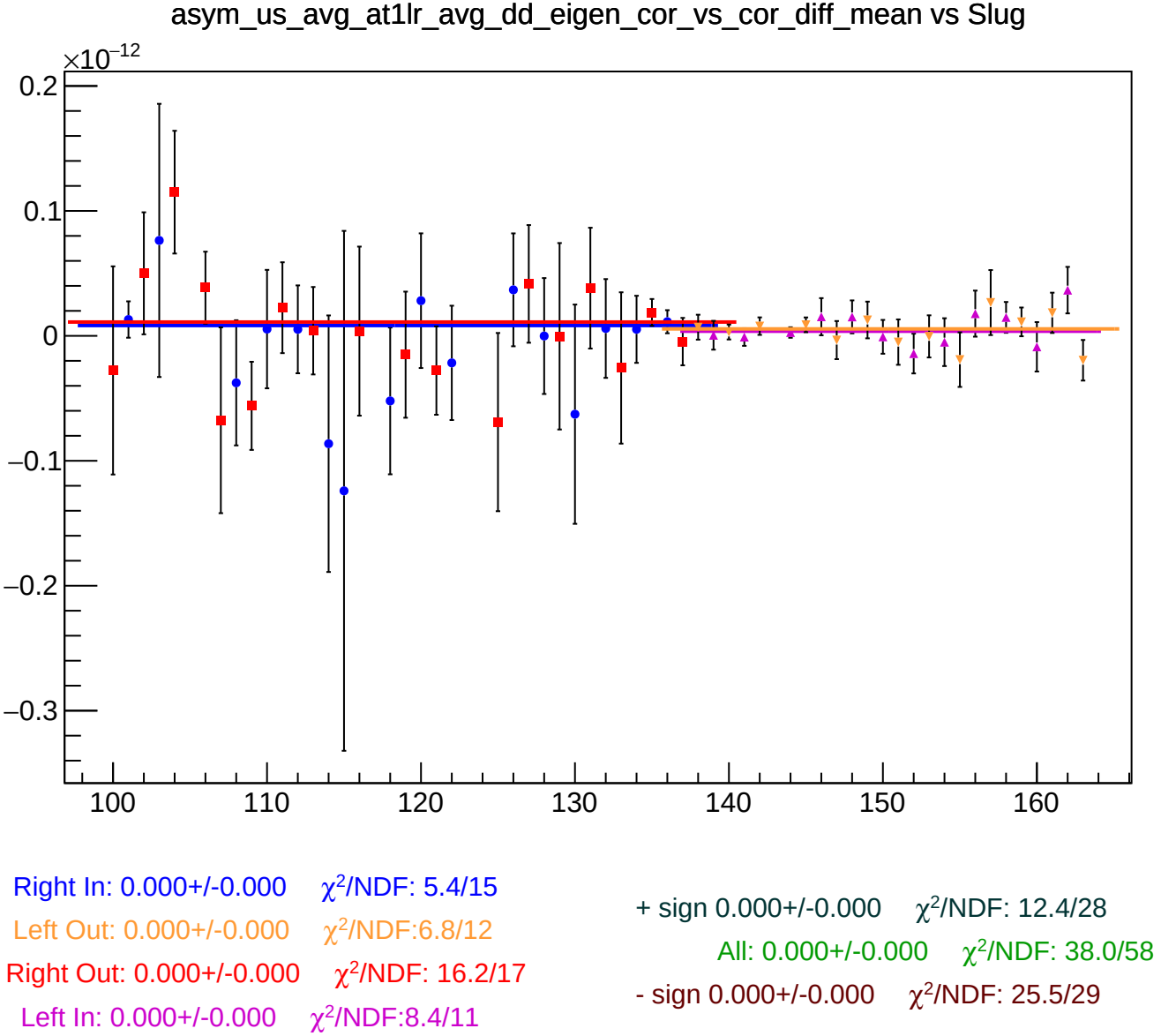
Left In: 0.001+/-0.015 χ^2/NDF:8.3/11

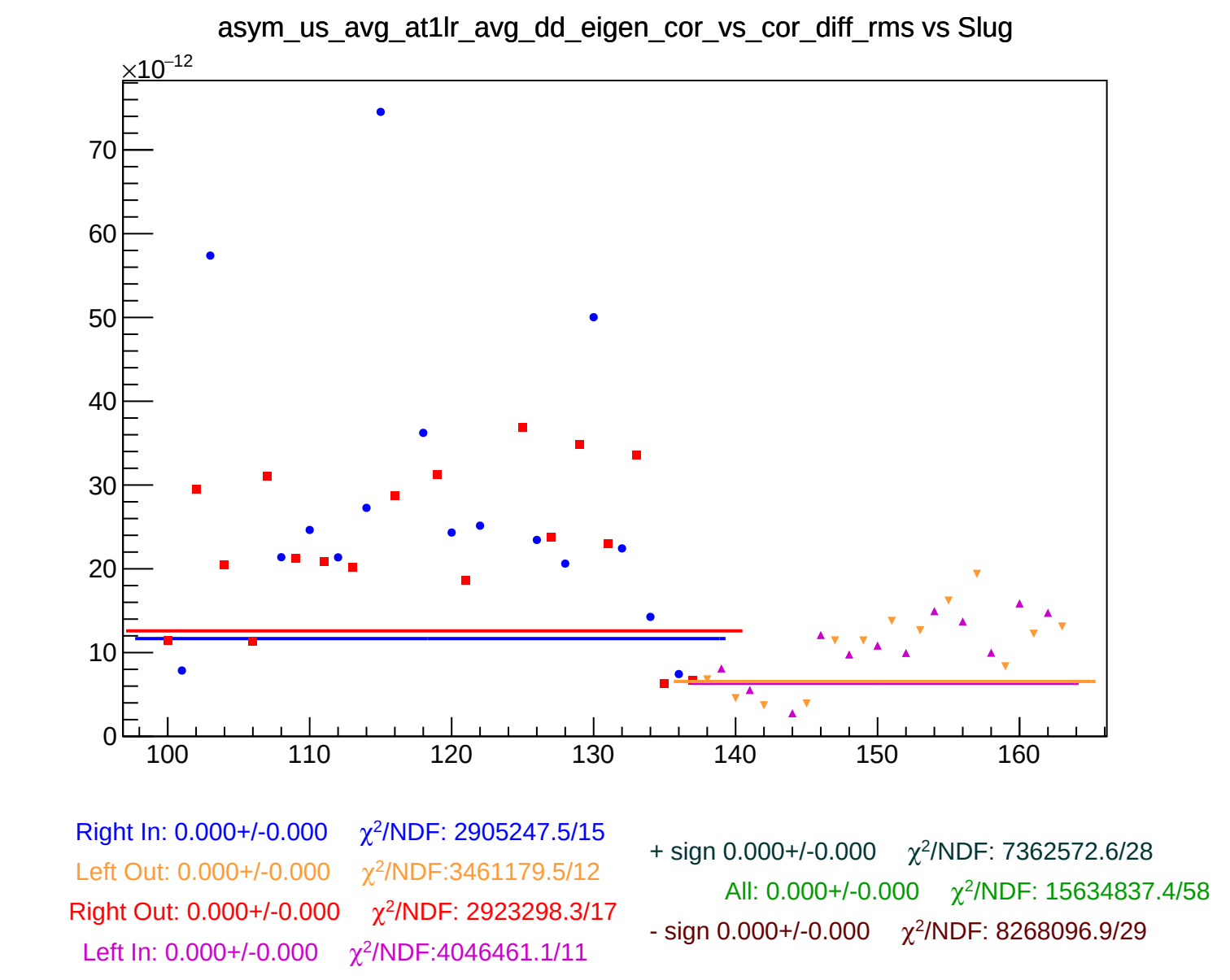
+ sign 0.004+/-0.012 χ^2/NDF: 48.1/28

All: 0.002+/-0.008 χ^2/NDF: 67.1/58

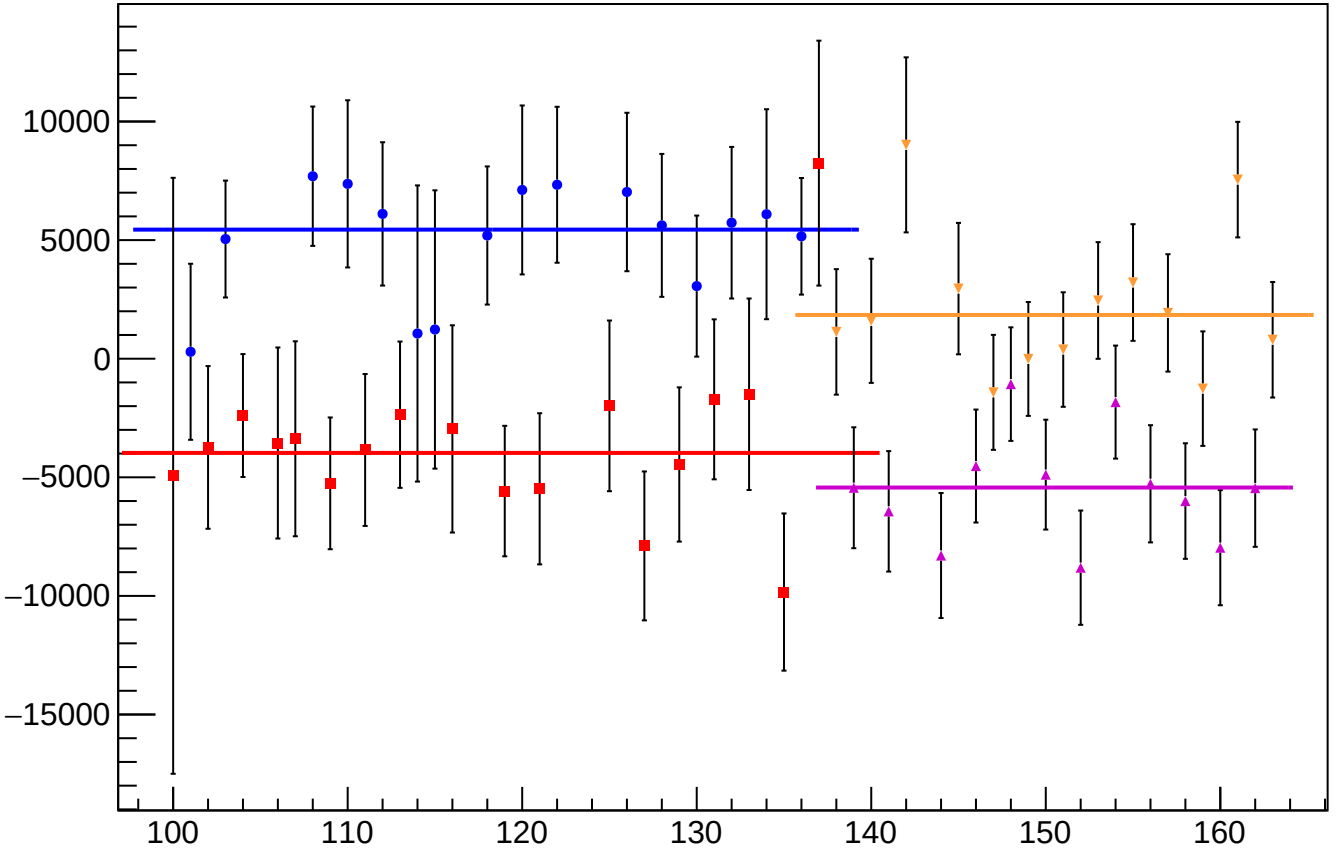
- sign -0.001+/-0.012 χ^2/NDF: 18.9/29


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
160
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.898+/-0.010 χ²/NDF:162072.5/12
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 44.030+/-0.010 χ²/NDF:215264.0/11
+ sign 44.978+/-0.008 χ²/NDF: 2066641.8/28
All: 45.070+/-0.006 χ²/NDF: 4738000.3/58
- sign 45.165+/-0.009 χ²/NDF: 2671114.1/29


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:8.4/11
+ sign 0.000+/-0.000 χ²/NDF: 12.4/28
All: 0.000+/-0.000 χ²/NDF: 38.0/58
- sign 0.000+/-0.000 χ²/NDF: 25.5/29


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3461179.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:4046461.1/11
+ sign 0.000+/-0.000 χ²/NDF: 7362572.6/28
All: 0.000+/-0.000 χ²/NDF: 15634837.4/58
- sign 0.000+/-0.000 χ²/NDF: 8268096.9/29

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.254+/-705.236 χ^2/NDF:14.5/12

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

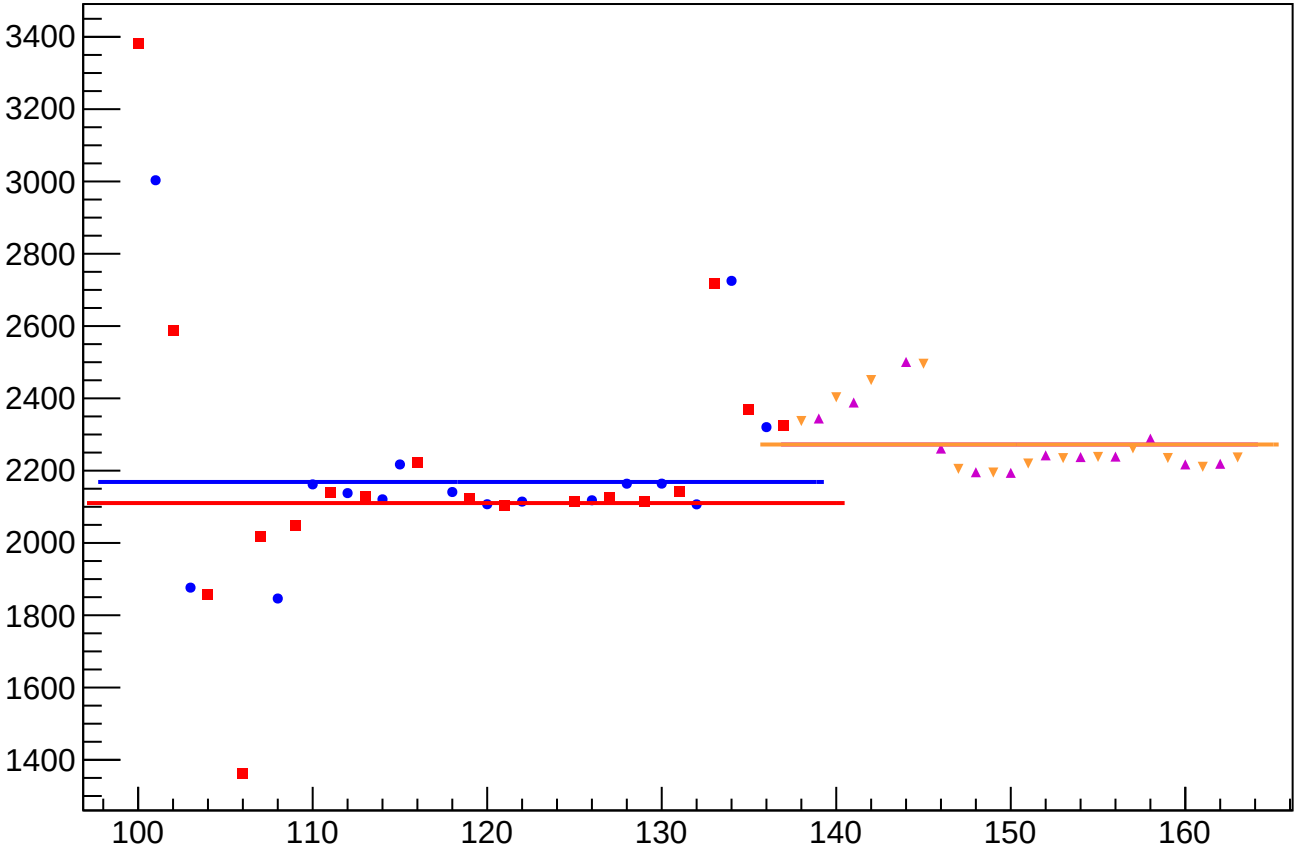
Left In: -5431.575+/-706.396 χ^2/NDF:10.3/11

+ sign 3390.197+/-532.602 χ^2/NDF: 31.0/28

All: -708.749+/-376.431 χ^2/NDF: 174.5/58

- sign -4800.064+/-532.106 χ^2/NDF: 25.1/29

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

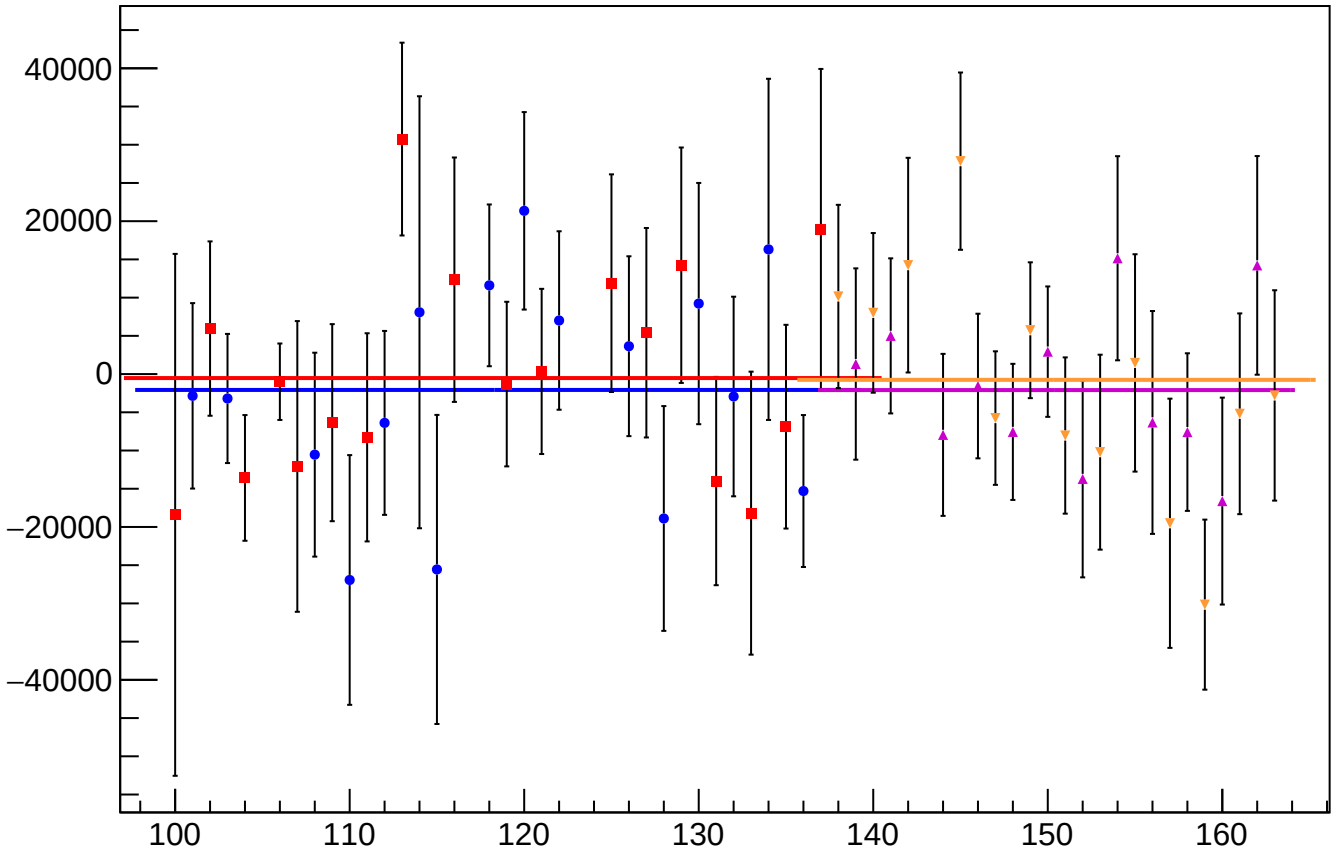
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

+ sign 2227.830+/-0.377 χ^2/NDF: 245767.6/28

All: 2214.306+/-0.265 χ^2/NDF: 590388.8/58

- sign 2200.995+/-0.374 χ^2/NDF: 342062.6/29



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -754.406+/-3194.139 χ^2/NDF:19.2/12

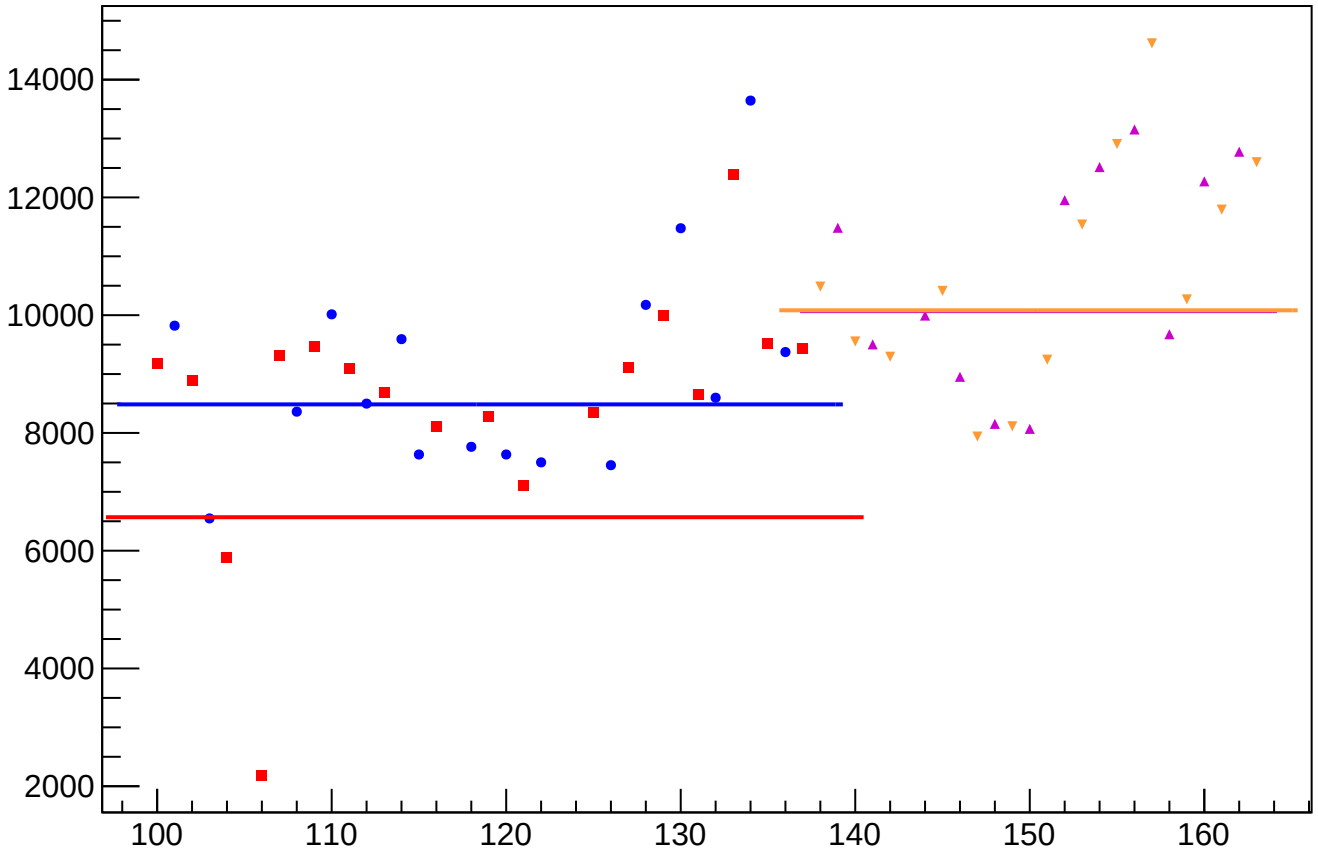
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2093.084+/-3183.747 χ^2/NDF:6.9/11

+ sign -1410.924+/-2264.918 χ^2/NDF: 33.7/28

All: -1286.700+/-1526.411 χ^2/NDF: 56.4/58

- sign -1183.328+/-2066.099 χ^2/NDF: 22.7/29



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10082.917+/-2.259 χ^2/NDF:608540.6/12

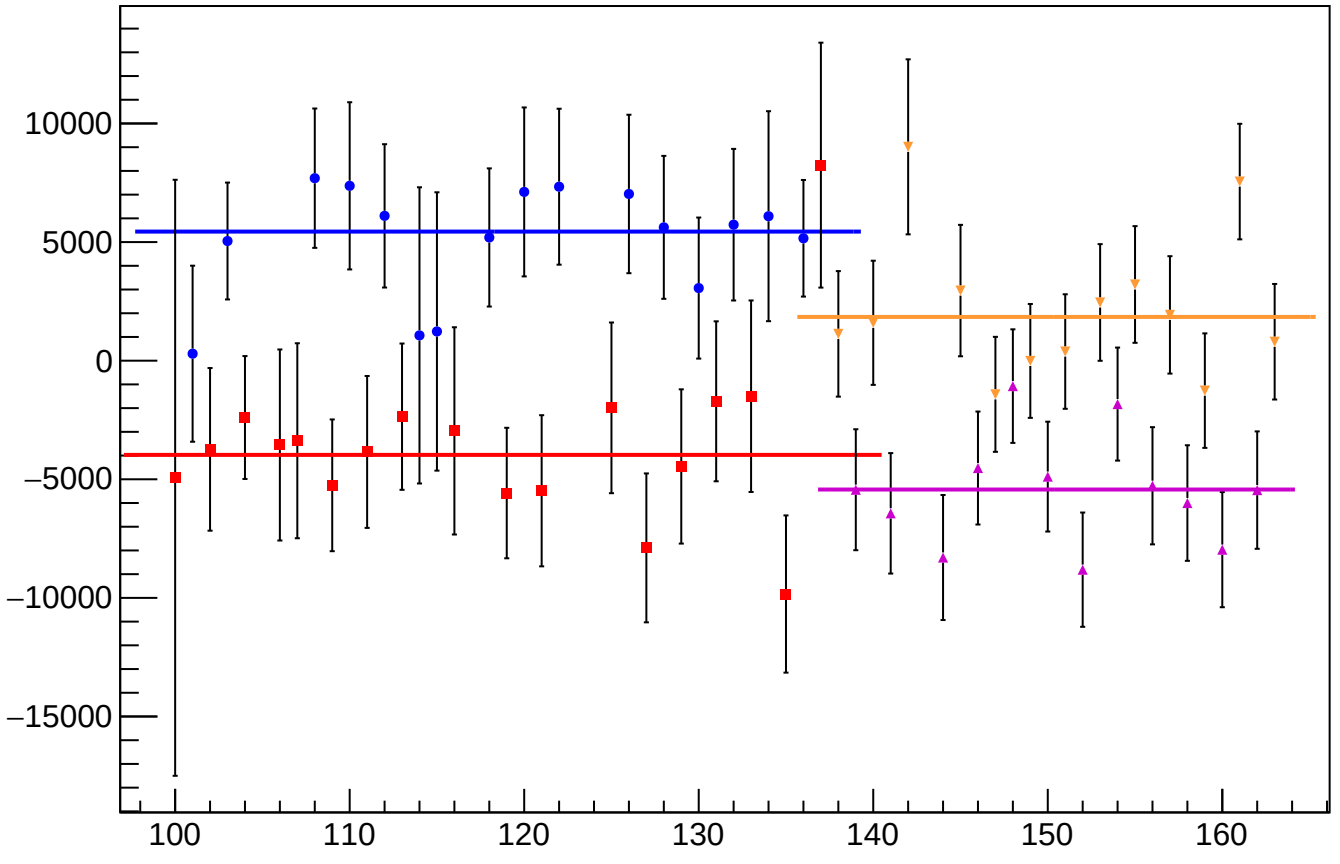
Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10068.528+/-2.251 χ^2/NDF:589385.9/11

+ sign 9288.437+/-1.602 χ^2/NDF: 1280109.5/28

All: 8608.457+/-1.079 χ^2/NDF: 6167659.3/58

- sign 8042.619+/-1.461 χ^2/NDF: 4557275.3/29



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

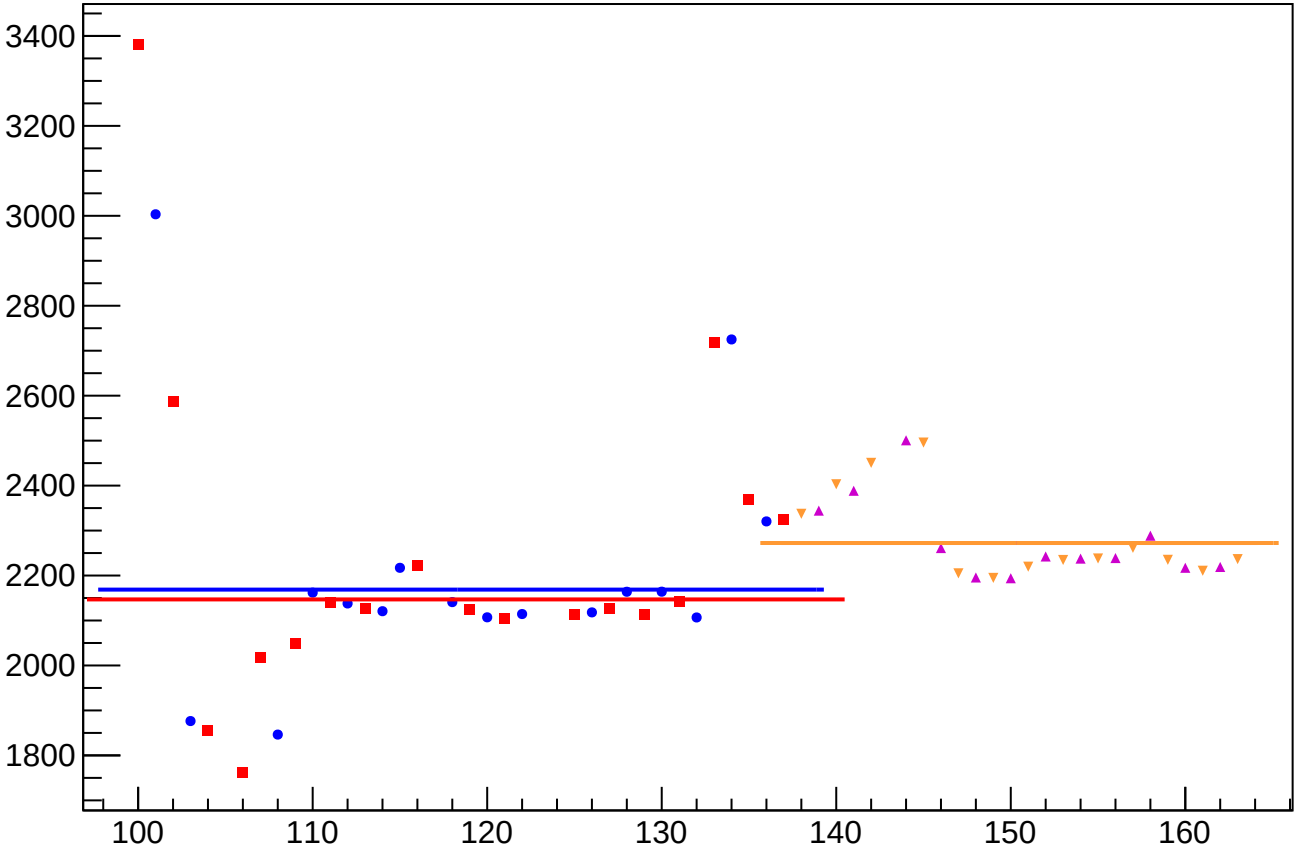
Left In: -5431.701+/-706.396 χ^2/NDF:10.3/11

+ sign 3390.173+/-532.602 χ^2/NDF: 31.0/28

All: -708.741+/-376.431 χ^2/NDF: 174.5/58

- sign -4800.024+/-532.106 χ^2/NDF: 25.1/29

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

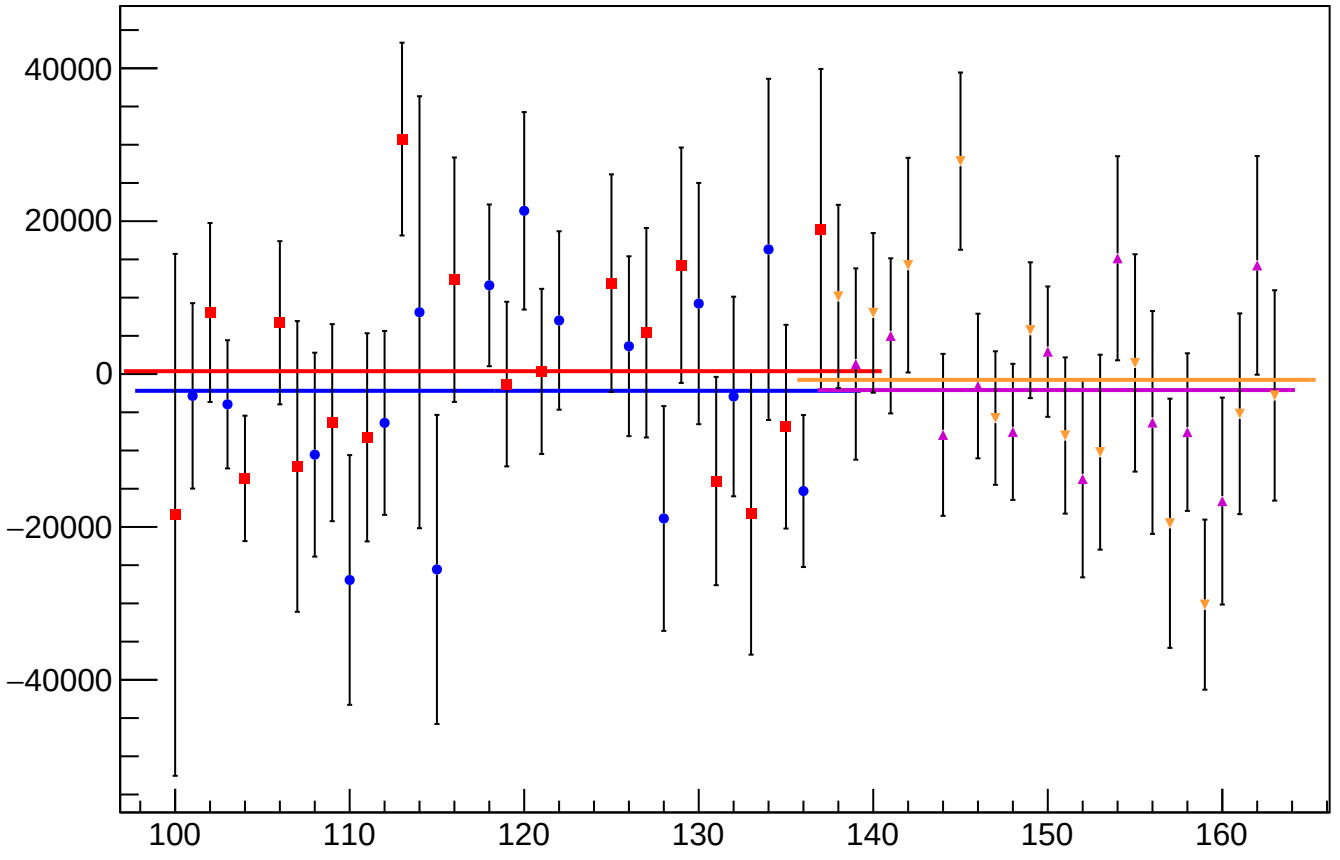
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

+ sign 2227.830+/-0.377 χ^2/NDF: 245768.0/28

All: 2222.781+/-0.266 χ^2/NDF: 459651.2/58

- sign 2217.763+/-0.375 χ^2/NDF: 213524.9/29



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -754.459+/-3194.137 χ^2/NDF:19.2/12

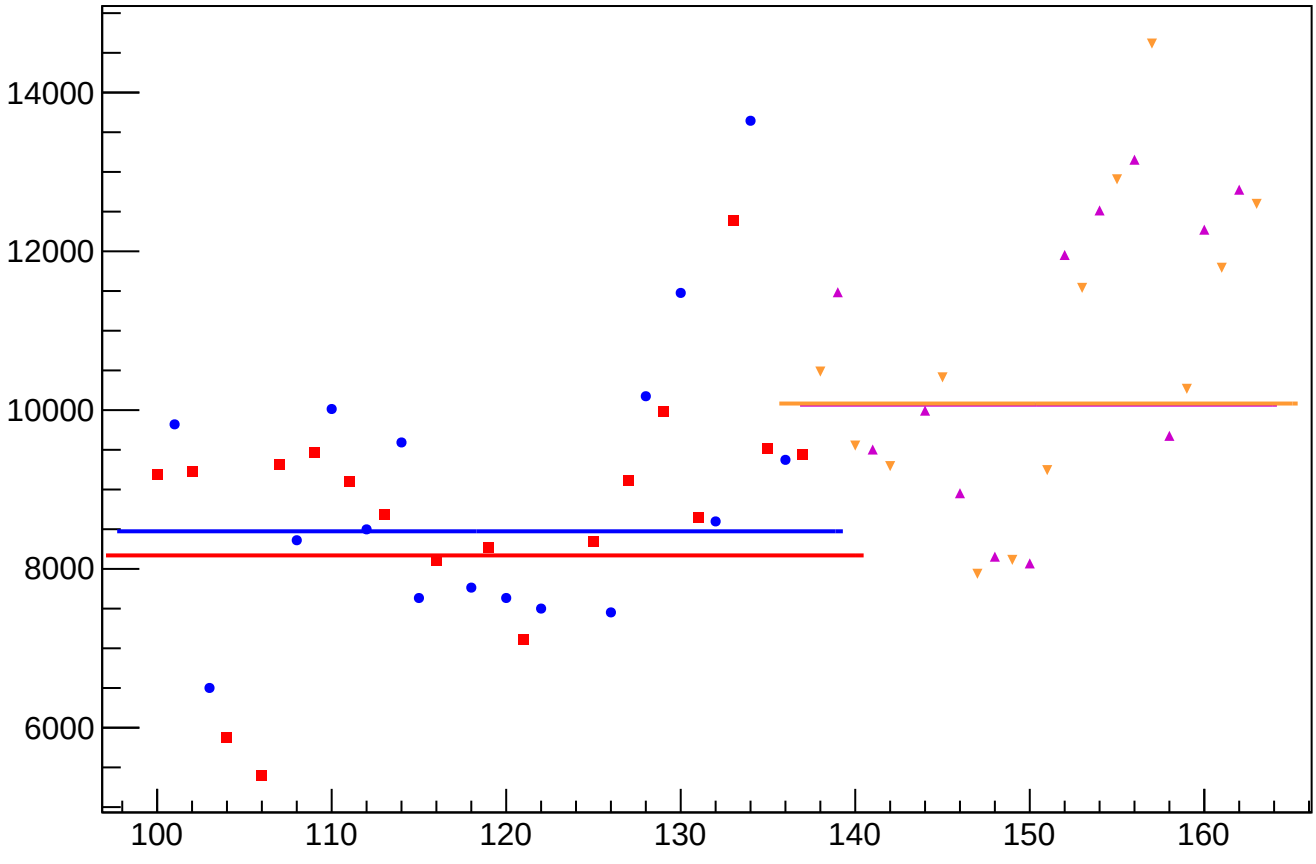
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2093.270+/-3183.746 χ^2/NDF:6.9/11

+ sign -1468.634+/-2263.665 χ^2/NDF: 33.7/28

All: -1140.216+/-1585.365 χ^2/NDF: 57.3/58

- sign -824.052+/-2221.031 χ^2/NDF: 23.5/29



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10082.910+/-2.259 χ^2/NDF:608543.9/12

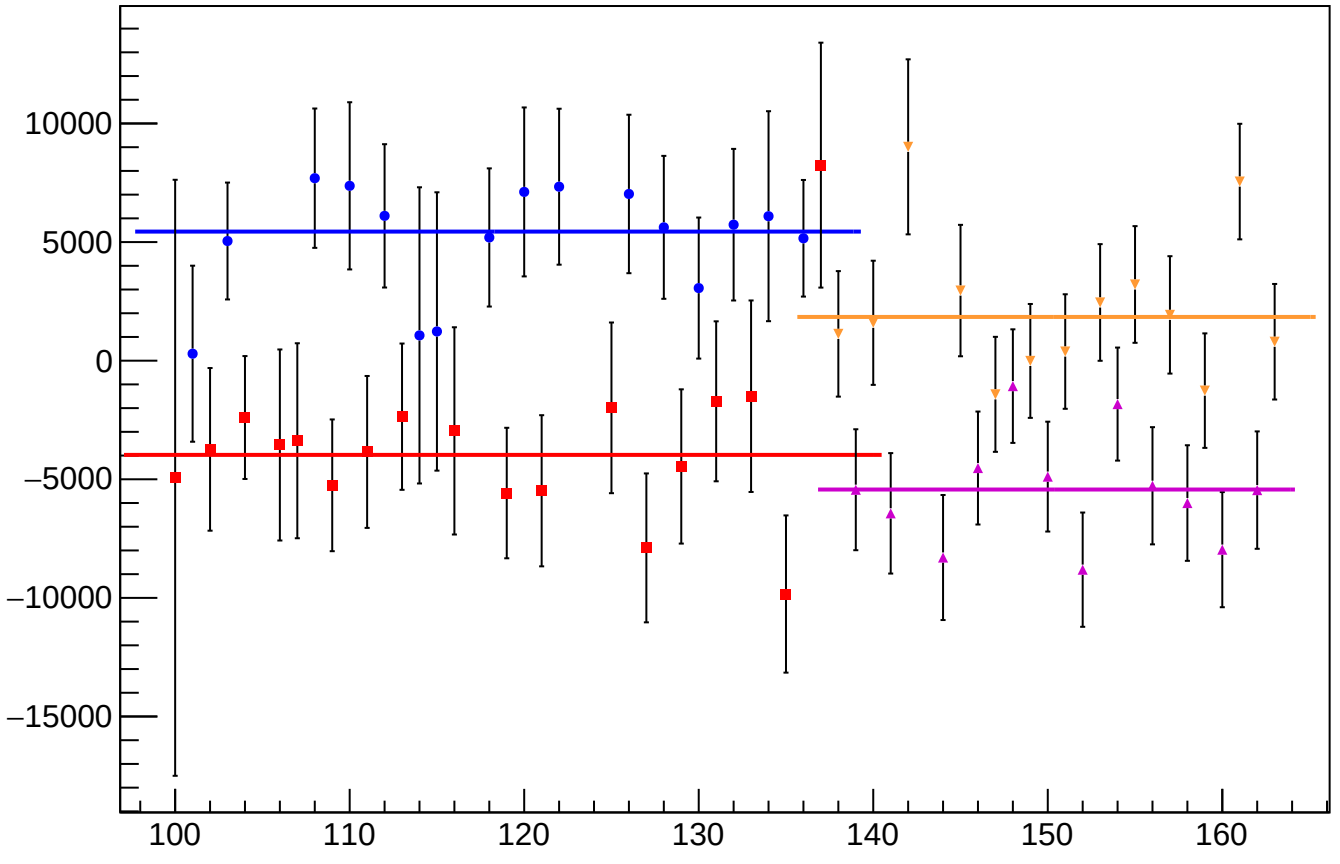
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10068.524+/-2.251 χ^2/NDF:589390.2/11

+ sign 9281.942+/-1.601 χ^2/NDF: 1290752.7/28

All: 9186.166+/-1.121 χ^2/NDF: 2792162.0/58

- sign 9093.964+/-1.571 χ^2/NDF: 1494382.3/29



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

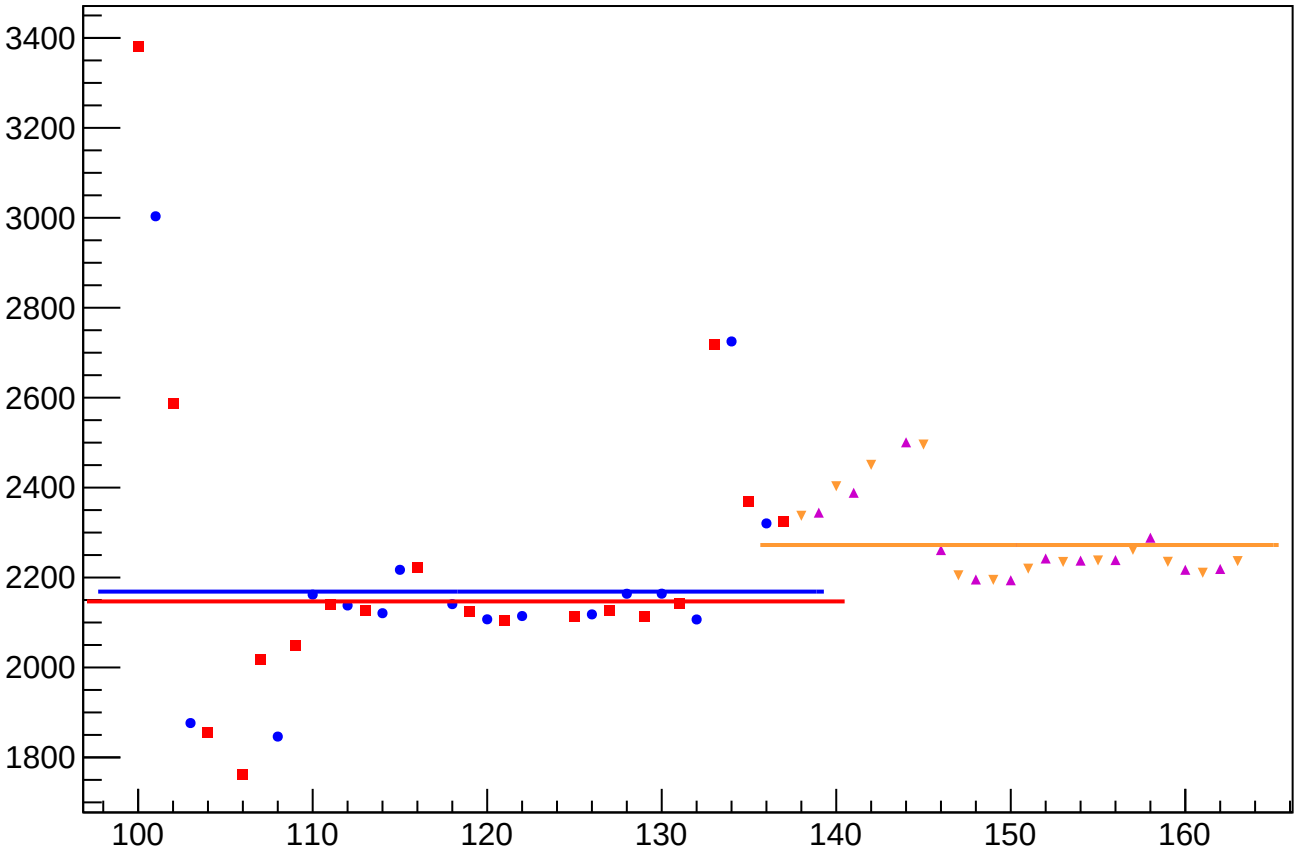
Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: -5431.701+/-706.396 χ^2/NDF:10.3/11

+ sign 3390.173+/-532.602 χ^2/NDF: 31.0/28

All: -708.741+/-376.431 χ^2/NDF: 174.5/58

- sign -4800.024+/-532.106 χ^2/NDF: 25.1/29



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

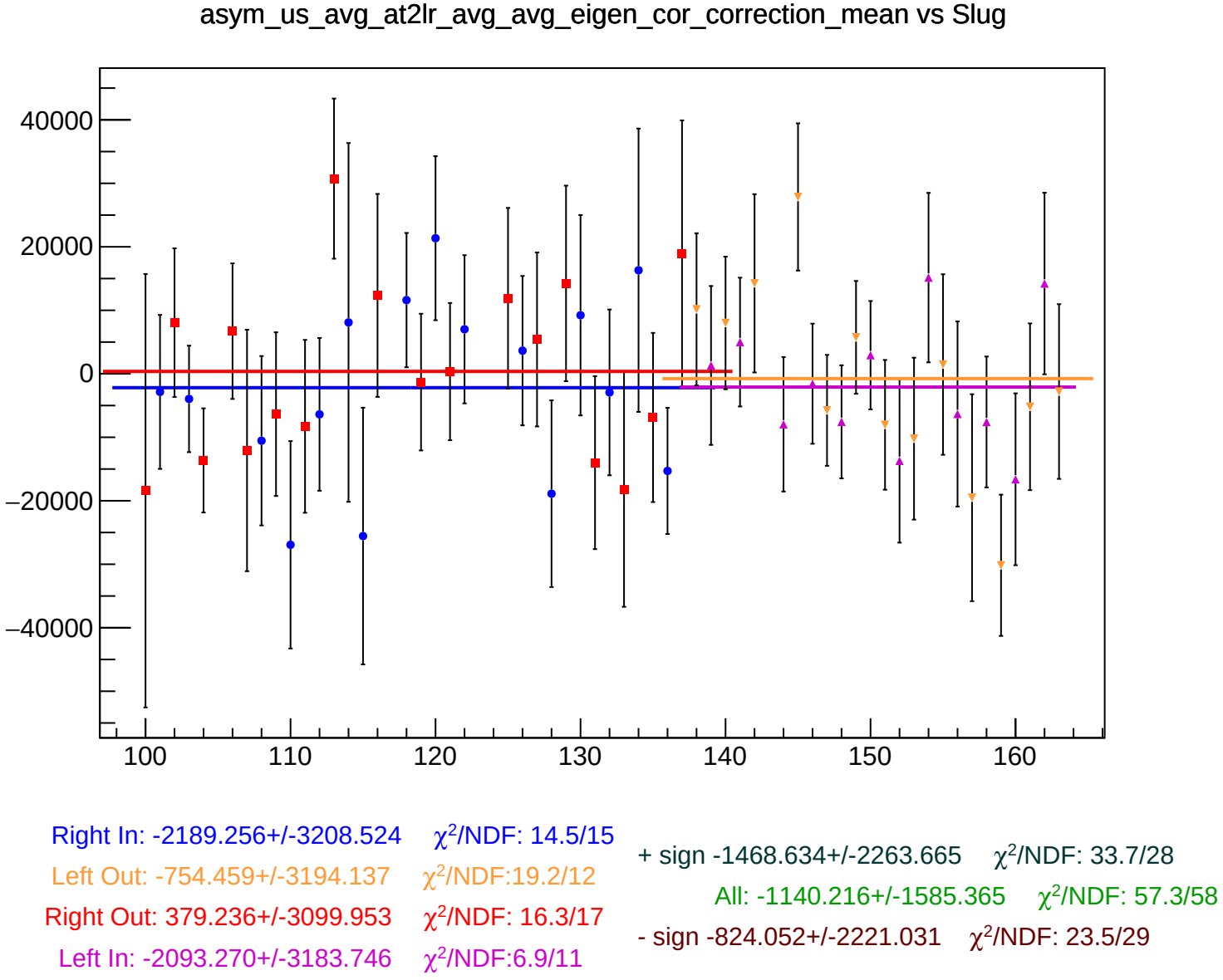
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

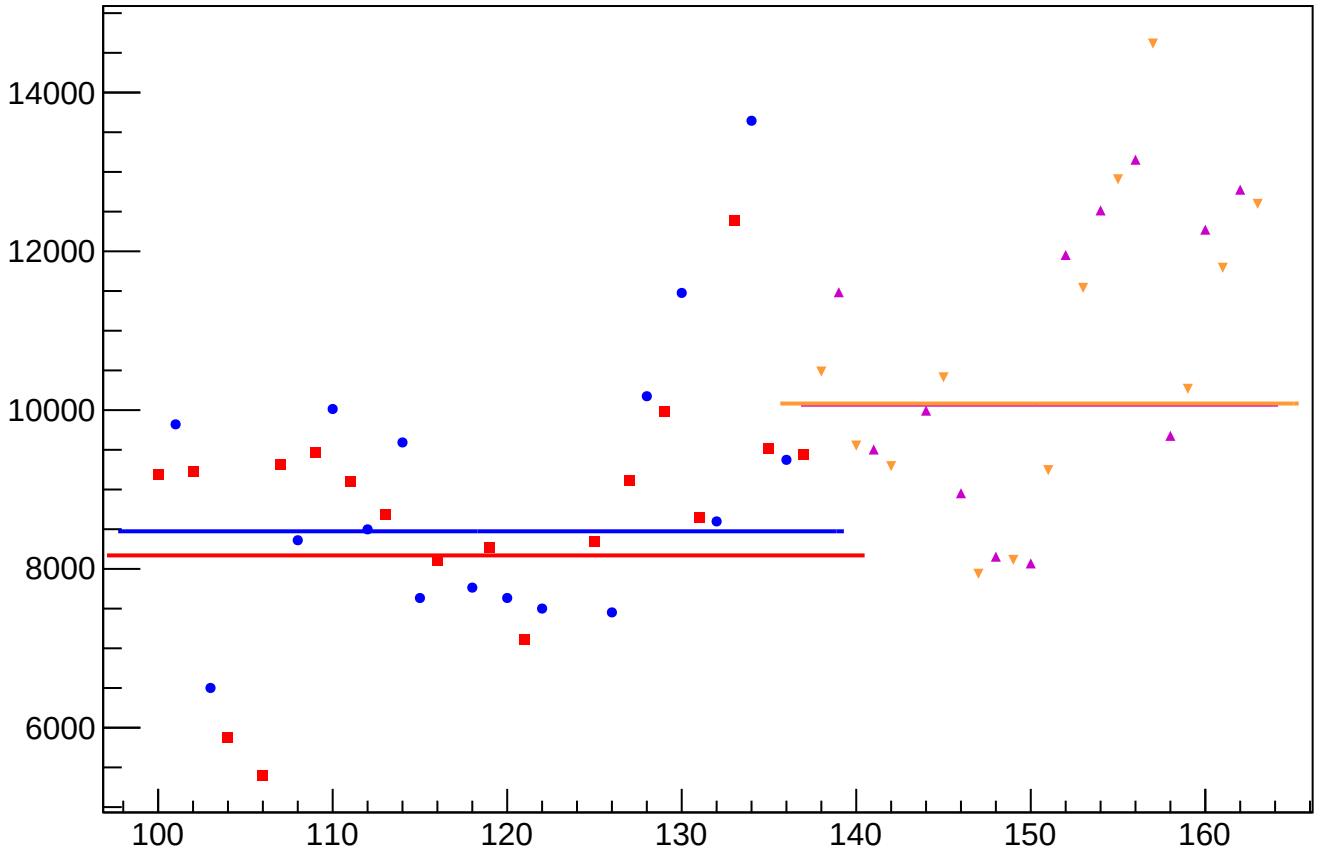
Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

+ sign 2227.830+/-0.377 χ^2/NDF: 245768.0/28

All: 2222.781+/-0.266 χ^2/NDF: 459651.2/58

- sign 2217.763+/-0.375 χ^2/NDF: 213524.9/29


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -754.459+/-3194.137 χ²/NDF:19.2/12
Right Out: 379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: -2093.270+/-3183.746 χ²/NDF:6.9/11
+ sign -1468.634+/-2263.665 χ²/NDF: 33.7/28
All: -1140.216+/-1585.365 χ²/NDF: 57.3/58
- sign -824.052+/-2221.031 χ²/NDF: 23.5/29



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10082.910+/-2.259 χ^2/NDF:608543.9/12

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

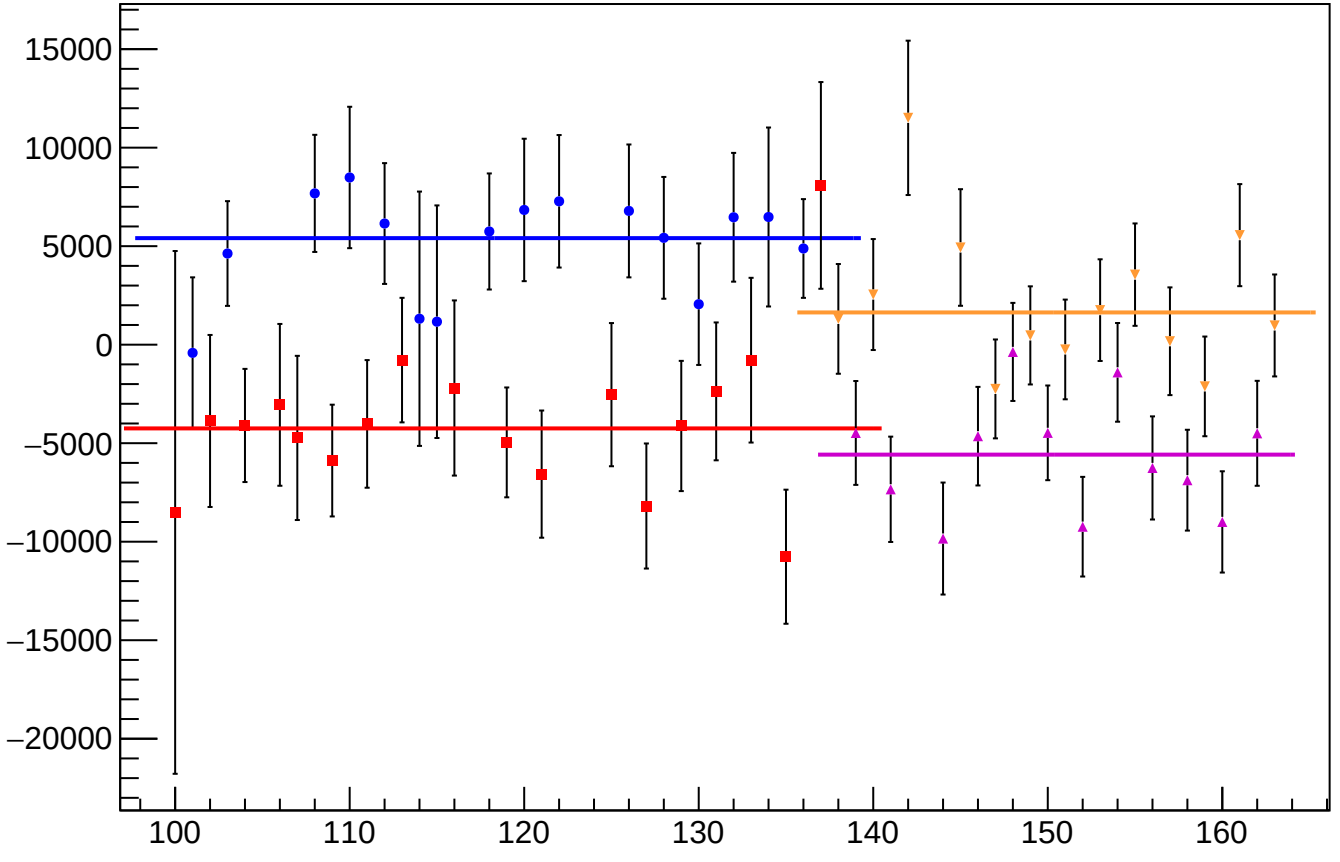
Left In: 10068.524+/-2.251 χ^2/NDF:589390.2/11

+ sign 9281.942+/-1.601 χ^2/NDF: 1290752.7/28

All: 9186.166+/-1.121 χ^2/NDF: 2792162.0/58

- sign 9093.964+/-1.571 χ^2/NDF: 1494382.3/29

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1636.596+/-745.900 χ^2/NDF:16.3/12

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

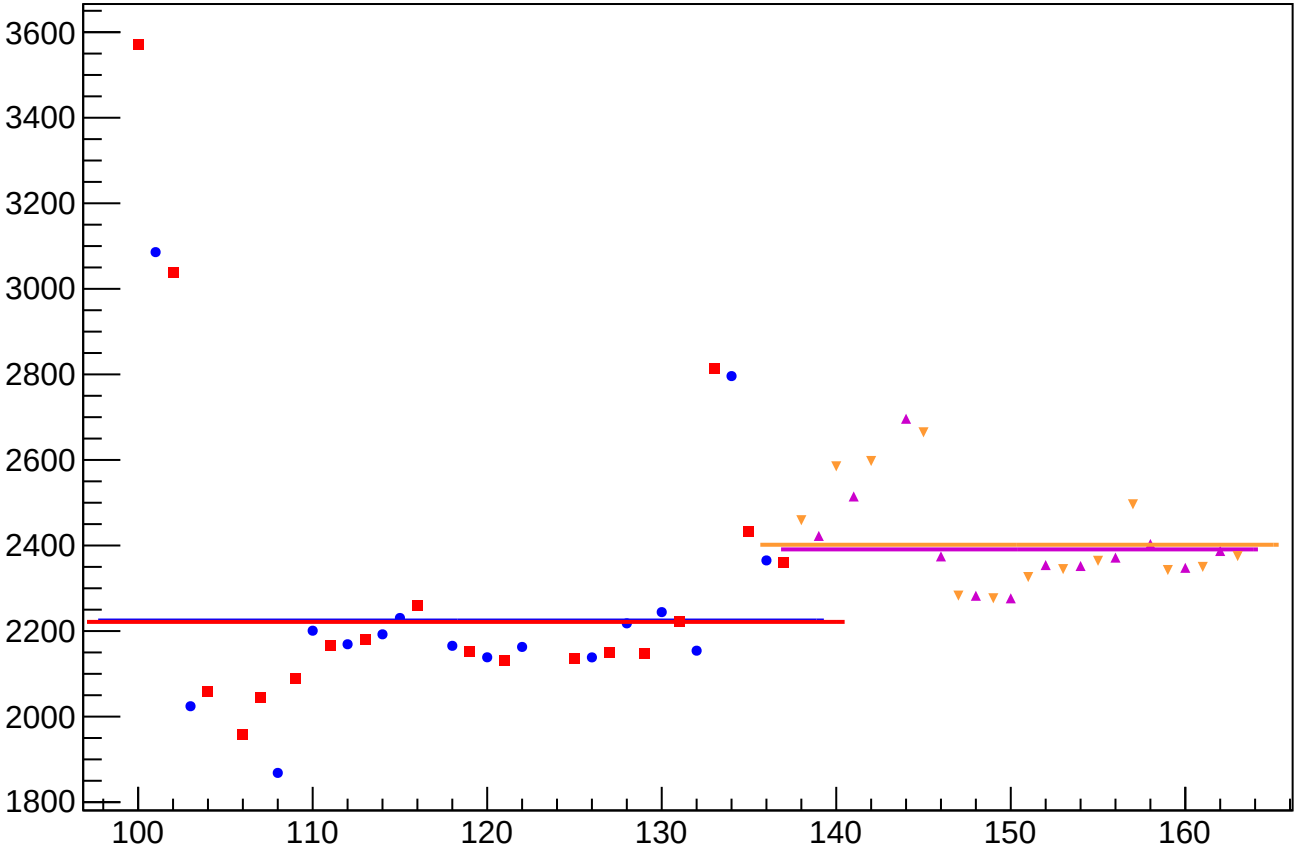
Left In: -5580.702+/-743.533 χ^2/NDF:14.7/11

+ sign 3313.280+/-555.886 χ^2/NDF: 34.4/28

All: -836.100+/-393.309 χ^2/NDF: 176.5/58

- sign -4995.552+/-556.560 χ^2/NDF: 30.6/29

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2401.761+/-0.527 χ^2/NDF:47299.7/12

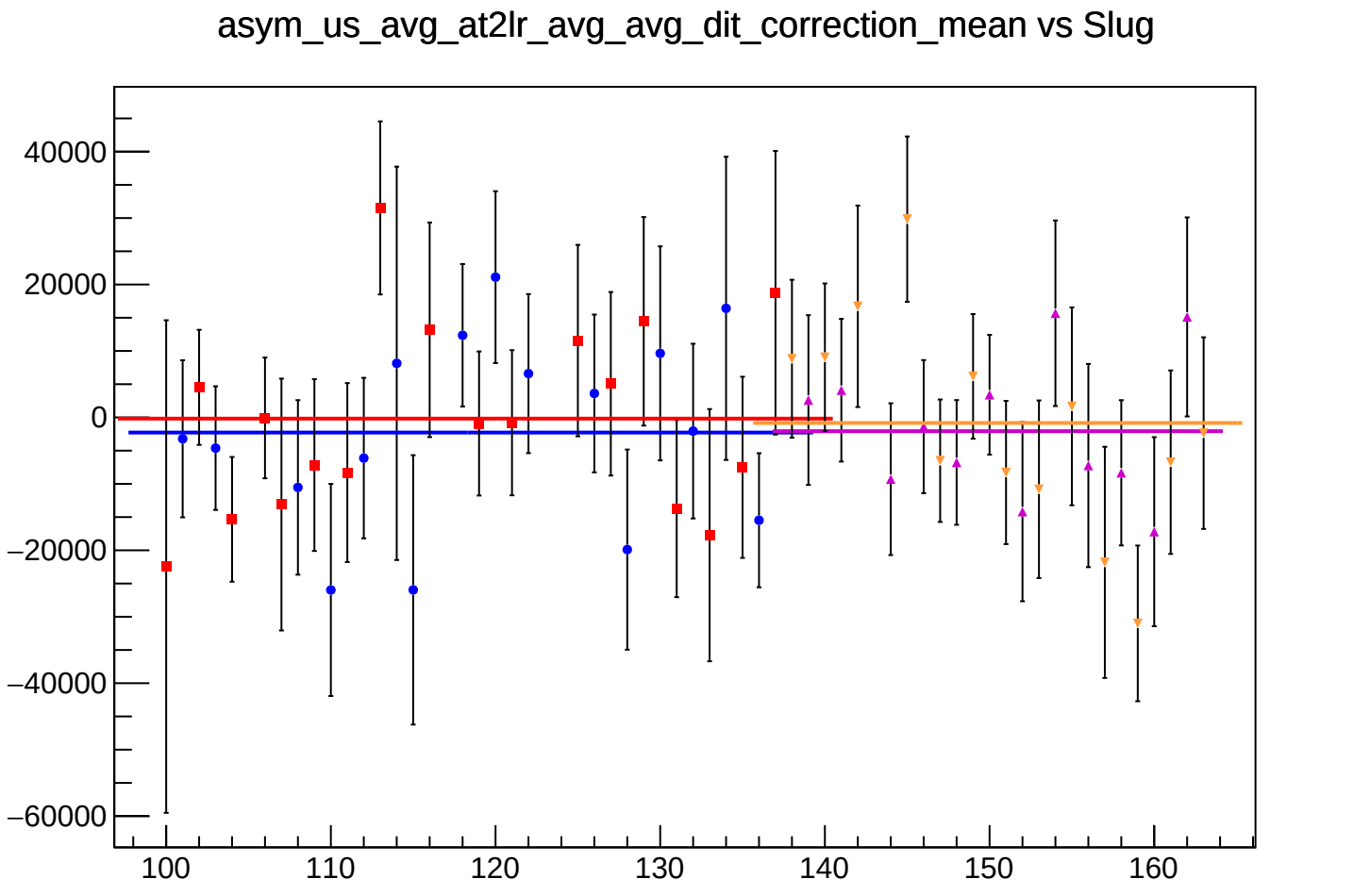
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2390.899+/-0.526 χ^2/NDF:37692.1/11

+ sign 2323.002+/-0.393 χ^2/NDF: 282133.0/28

All: 2319.670+/-0.278 χ^2/NDF: 535631.5/58

- sign 2316.331+/-0.393 χ^2/NDF: 253354.5/29



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -838.923+/-3361.203 χ^2/NDF:19.2/12

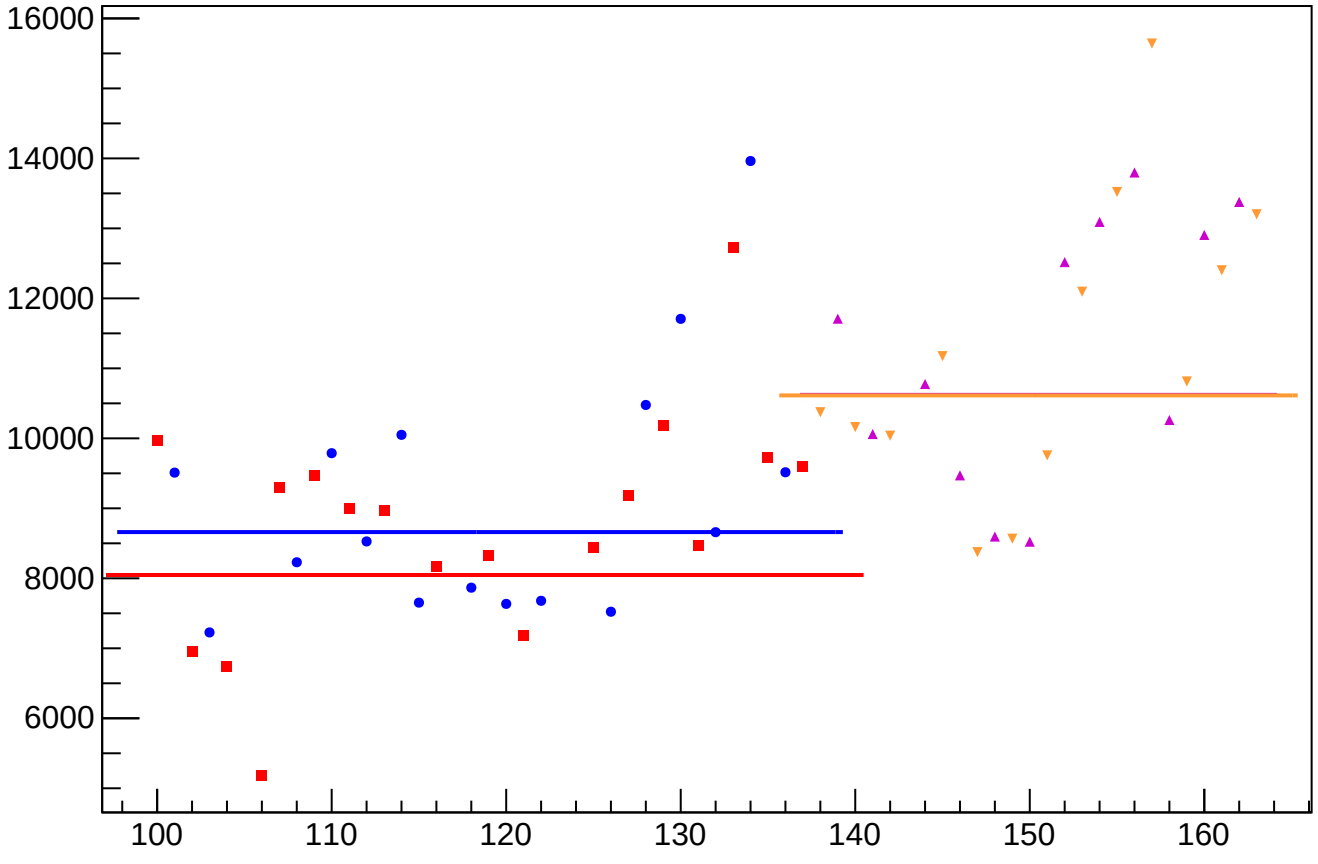
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -2077.690+/-3355.981 χ^2/NDF:6.8/11

+ sign -1578.092+/-2344.463 χ^2/NDF: 33.7/28

All: -1294.092+/-1623.794 χ^2/NDF: 56.4/58

- sign -1032.248+/-2251.161 χ^2/NDF: 22.6/29



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10613.702+/-2.377 χ^2/NDF:603528.6/12

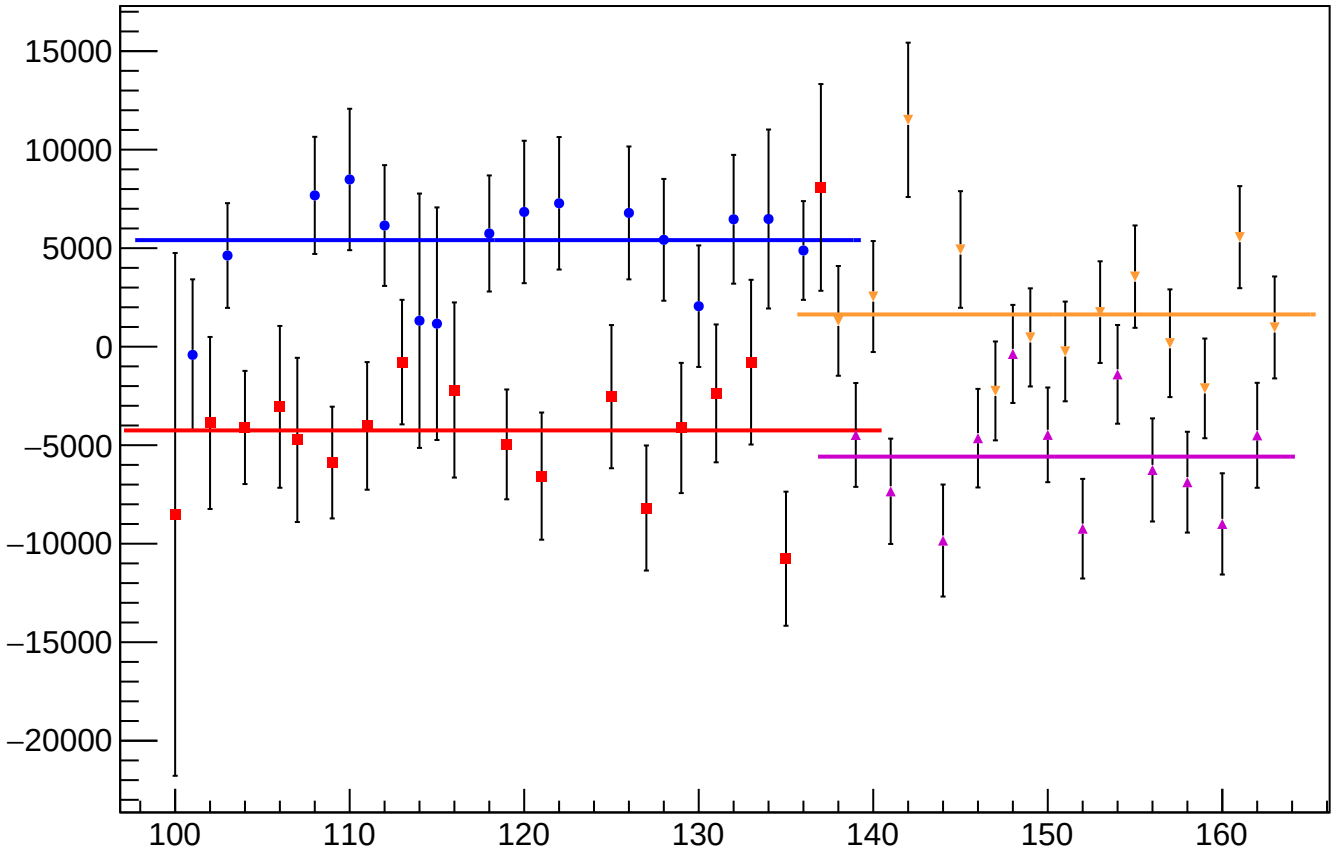
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10621.063+/-2.373 χ^2/NDF:558349.3/11

+ sign 9610.884+/-1.658 χ^2/NDF: 1308193.8/28

All: 9399.954+/-1.148 χ^2/NDF: 3103163.9/58

- sign 9205.479+/-1.592 χ^2/NDF: 1763855.1/29



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1636.577+/-745.901 χ^2/NDF:16.3/12

Right Out: -4249.903+/-839.335 χ^2/NDF: 14.5/17

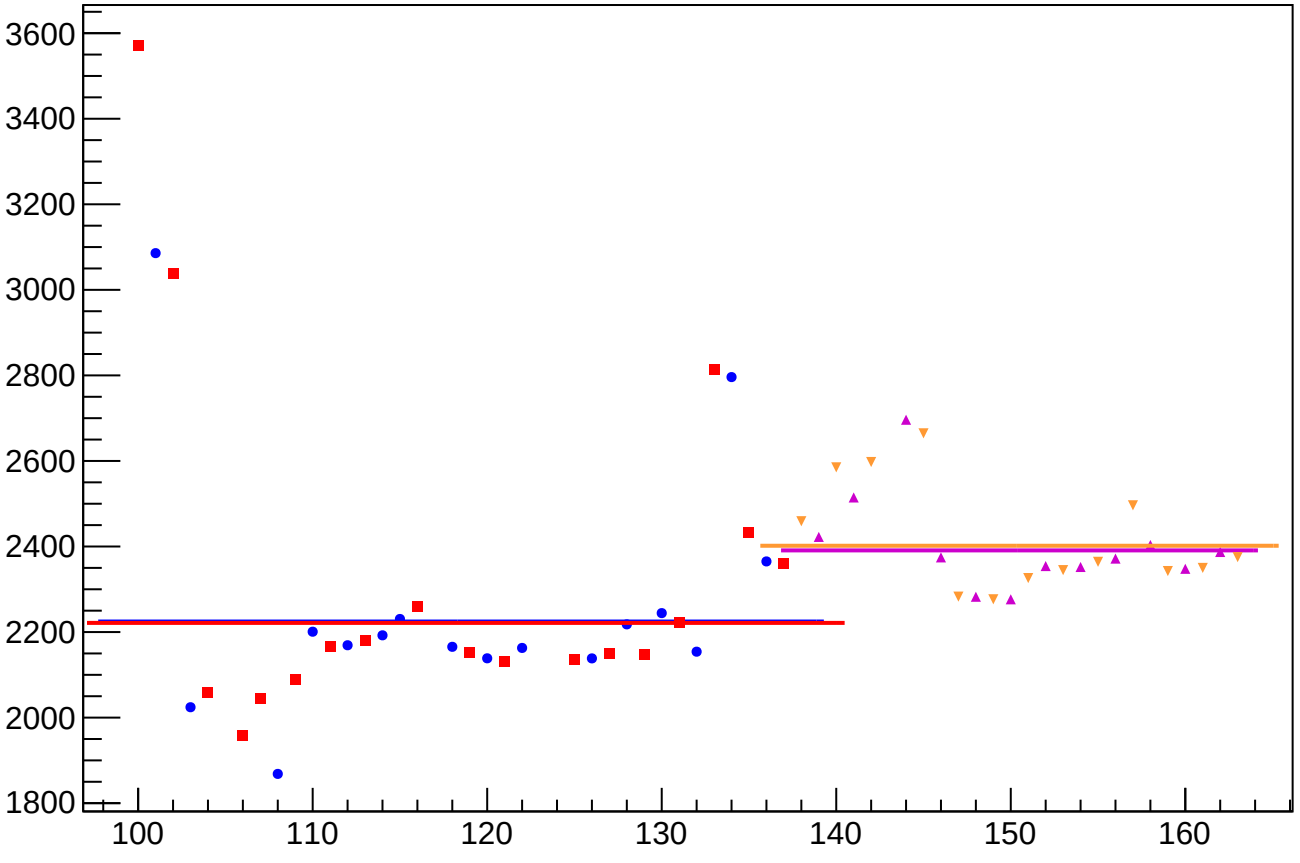
Left In: -5580.702+/-743.534 χ^2/NDF:14.7/11

+ sign 3313.274+/-555.886 χ^2/NDF: 34.4/28

All: -836.104+/-393.309 χ^2/NDF: 176.5/58

- sign -4995.553+/-556.561 χ^2/NDF: 30.6/29

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: 2401.765+/-0.527 χ^2/NDF:47300.3/12

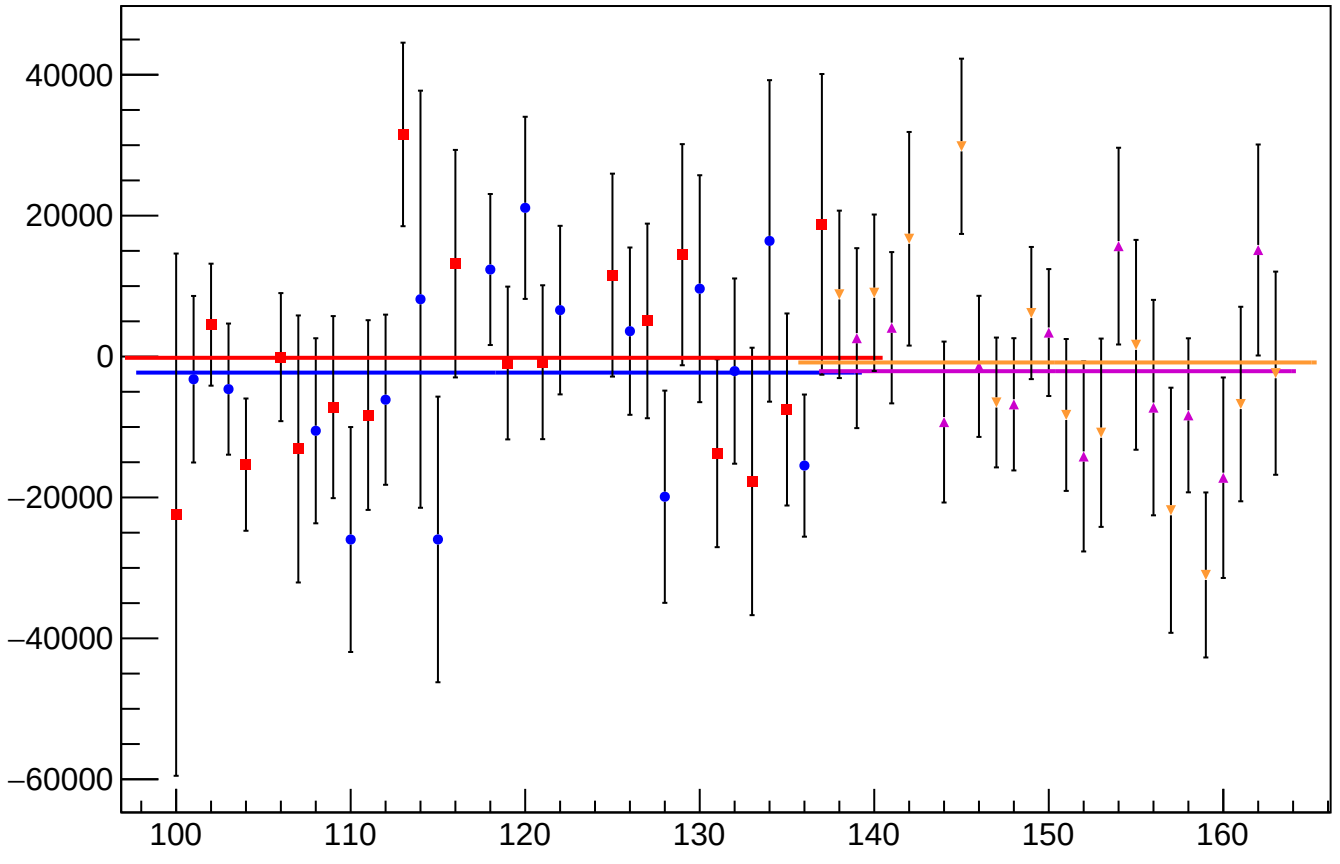
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2390.903+/-0.526 χ^2/NDF:37692.3/11

+ sign 2323.004+/-0.393 χ^2/NDF: 282136.3/28

All: 2319.671+/-0.278 χ^2/NDF: 535637.2/58

- sign 2316.332+/-0.393 χ^2/NDF: 253357.0/29



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -838.935+/-3361.208 χ^2/NDF:19.2/12

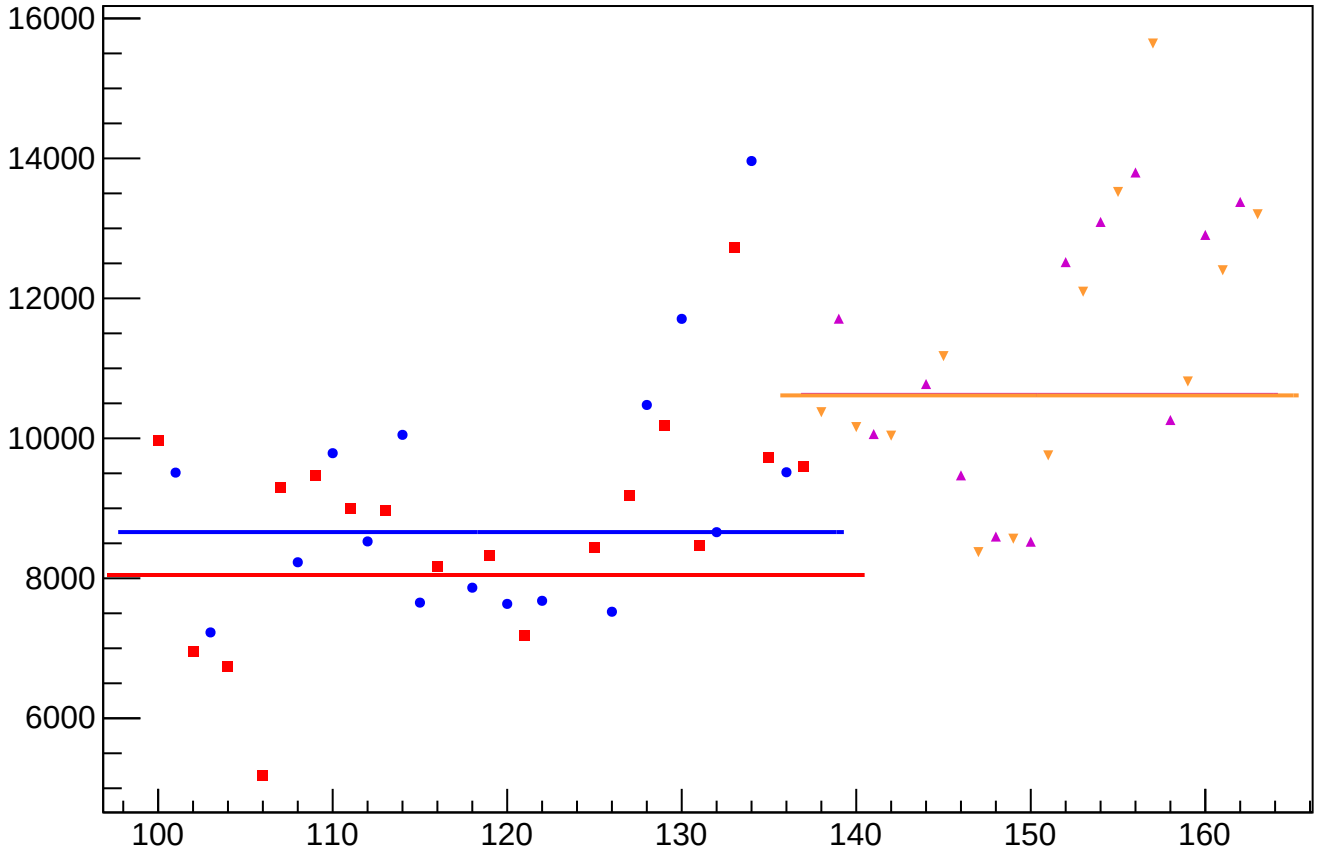
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -2077.691+/-3355.986 χ^2/NDF:6.8/11

+ sign -1578.089+/-2344.462 χ^2/NDF: 33.7/28

All: -1294.091+/-1623.793 χ^2/NDF: 56.4/58

- sign -1032.248+/-2251.160 χ^2/NDF: 22.6/29



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10613.717+/-2.377 χ^2/NDF:603530.5/12

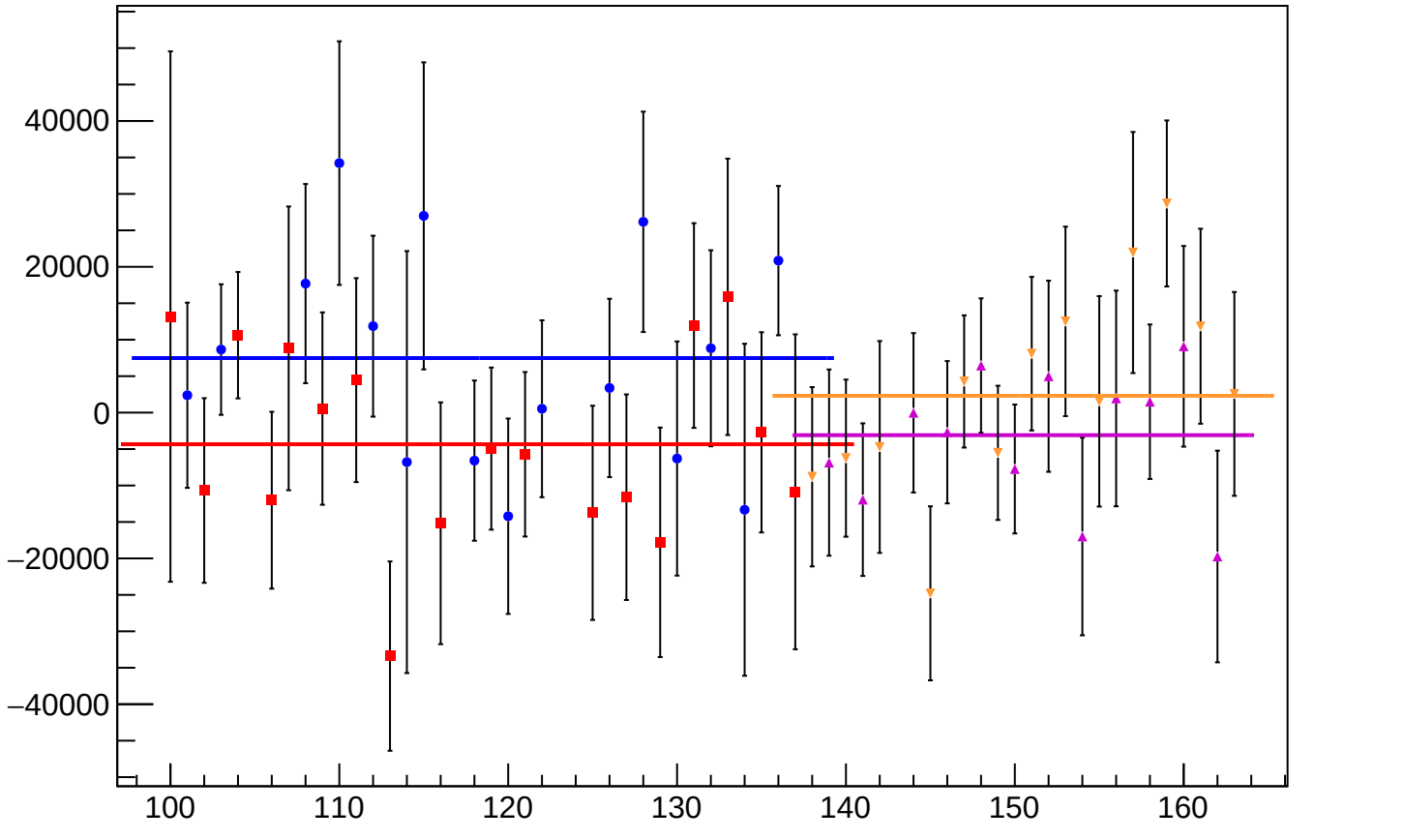
Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10621.078+/-2.373 χ^2/NDF:558350.2/11

+ sign 9610.876+/-1.658 χ^2/NDF: 1308210.9/28

All: 9399.946+/-1.148 χ^2/NDF: 3103197.0/58

- sign 9205.471+/-1.592 χ^2/NDF: 1763871.0/29



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2305.724+/-3283.277 χ^2/NDF:15.8/12

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

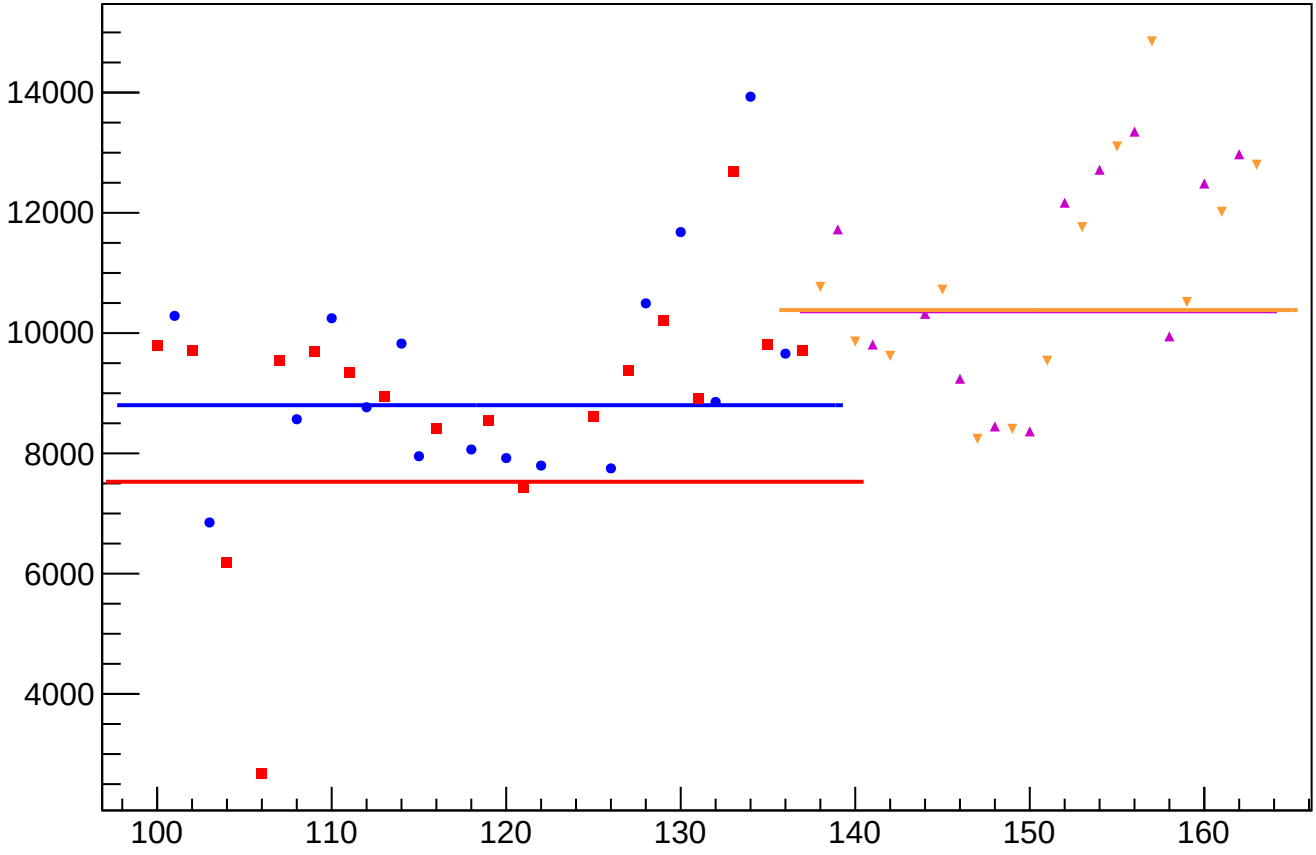
Left In: -3095.329+/-3271.577 χ^2/NDF:6.1/11

+ sign 4856.469+/-2338.288 χ^2/NDF: 31.1/28

All: 501.967+/-1640.818 χ^2/NDF: 58.3/58

- sign -3722.272+/-2303.048 χ^2/NDF: 20.4/29

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10382.855+/-2.322 χ^2/NDF:559783.7/12

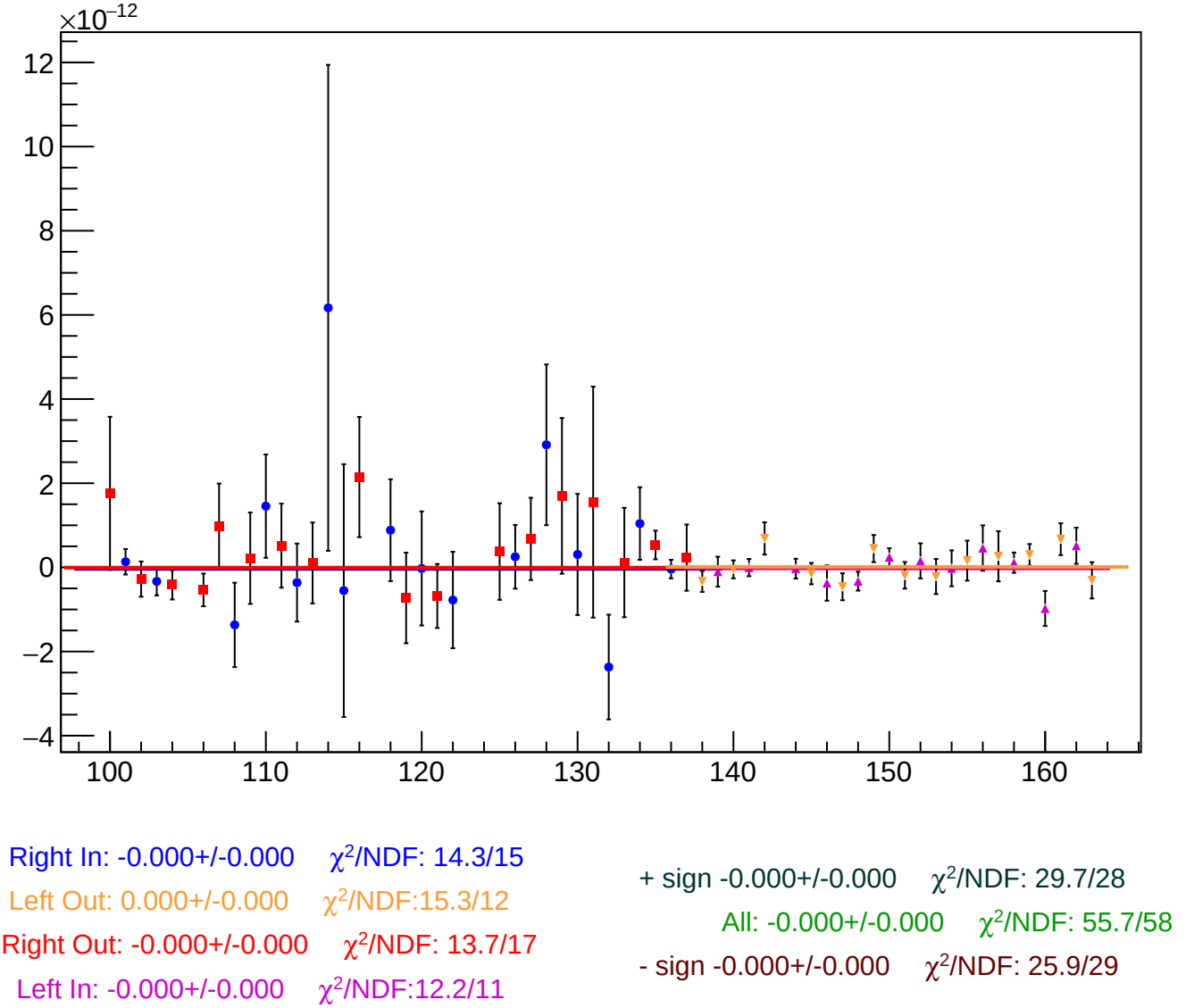
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

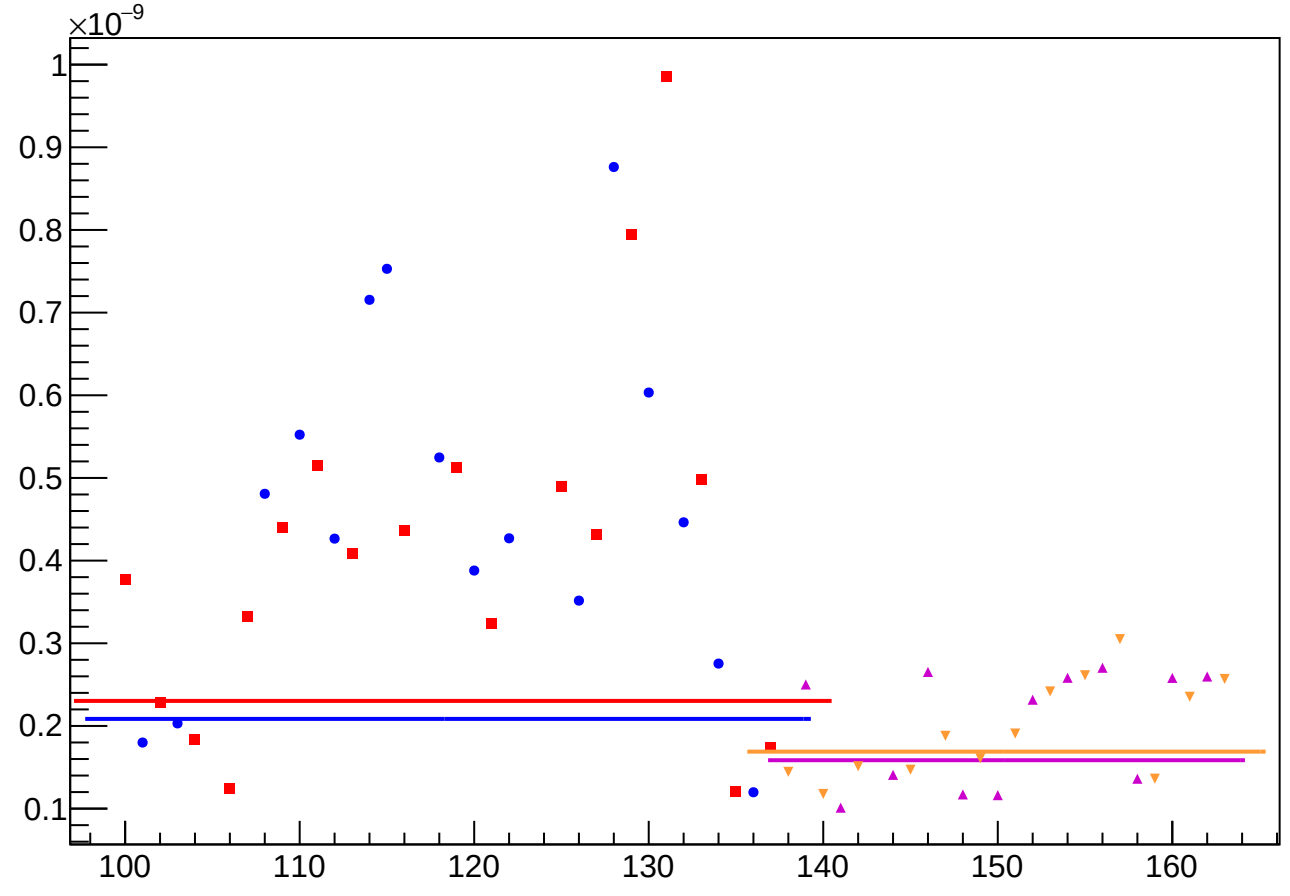
Left In: 10362.497+/-2.313 χ^2/NDF:538279.7/11

+ sign 9603.348+/-1.653 χ^2/NDF: 1183119.6/28

All: 9194.322+/-1.137 χ^2/NDF: 4308012.0/58

- sign 8827.267+/-1.566 χ^2/NDF: 3008775.3/29


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:15.3/12
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:12.2/11
+ sign -0.000+/-0.000 χ²/NDF: 29.7/28
All: -0.000+/-0.000 χ²/NDF: 55.7/58
- sign -0.000+/-0.000 χ²/NDF: 25.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:588776.7/12

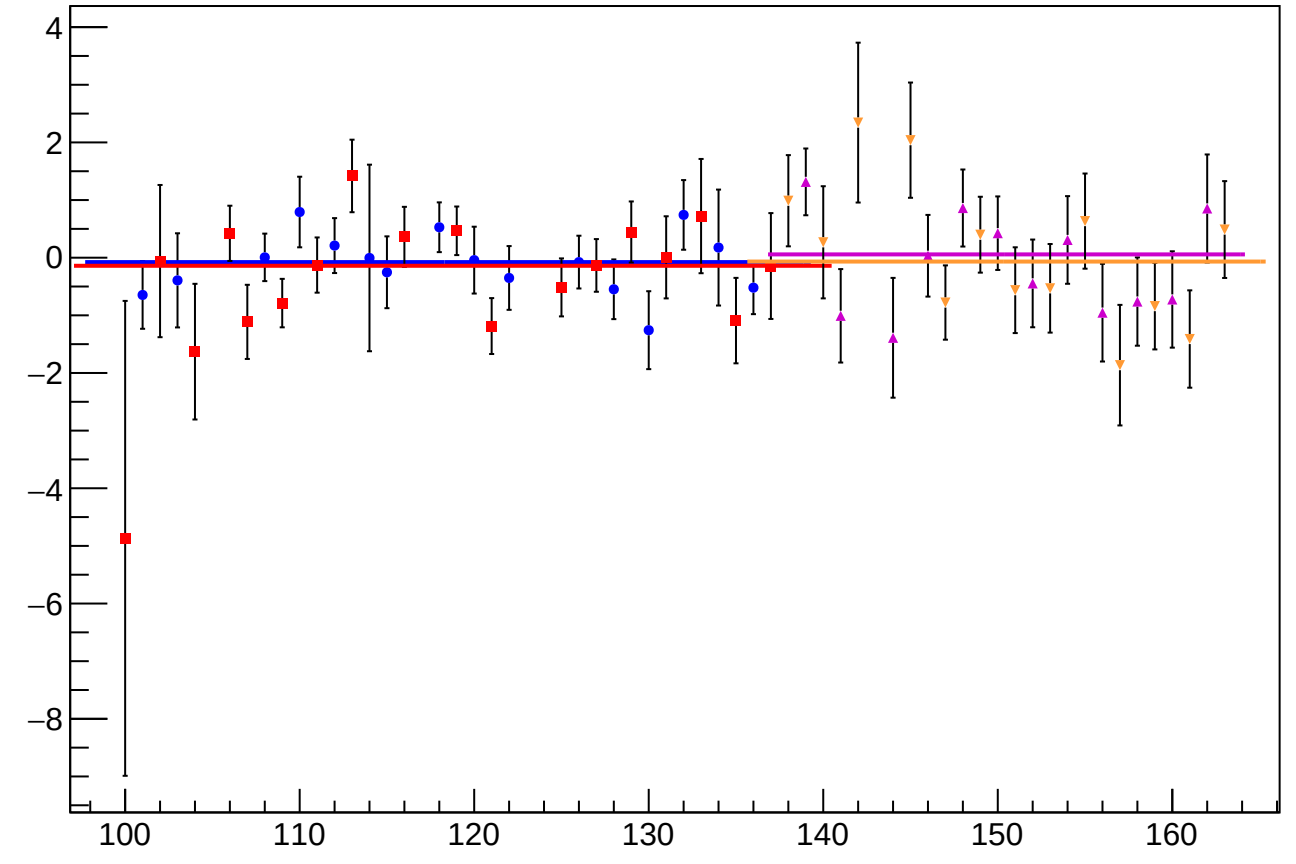
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1076496.1/11

\+ sign 0.000+/-0.000 χ^2/NDF: 2334056.4/28

All: 0.000+/-0.000 χ^2/NDF: 5302384.4/58

\- sign 0.000+/-0.000 χ^2/NDF: 2963543.5/29



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

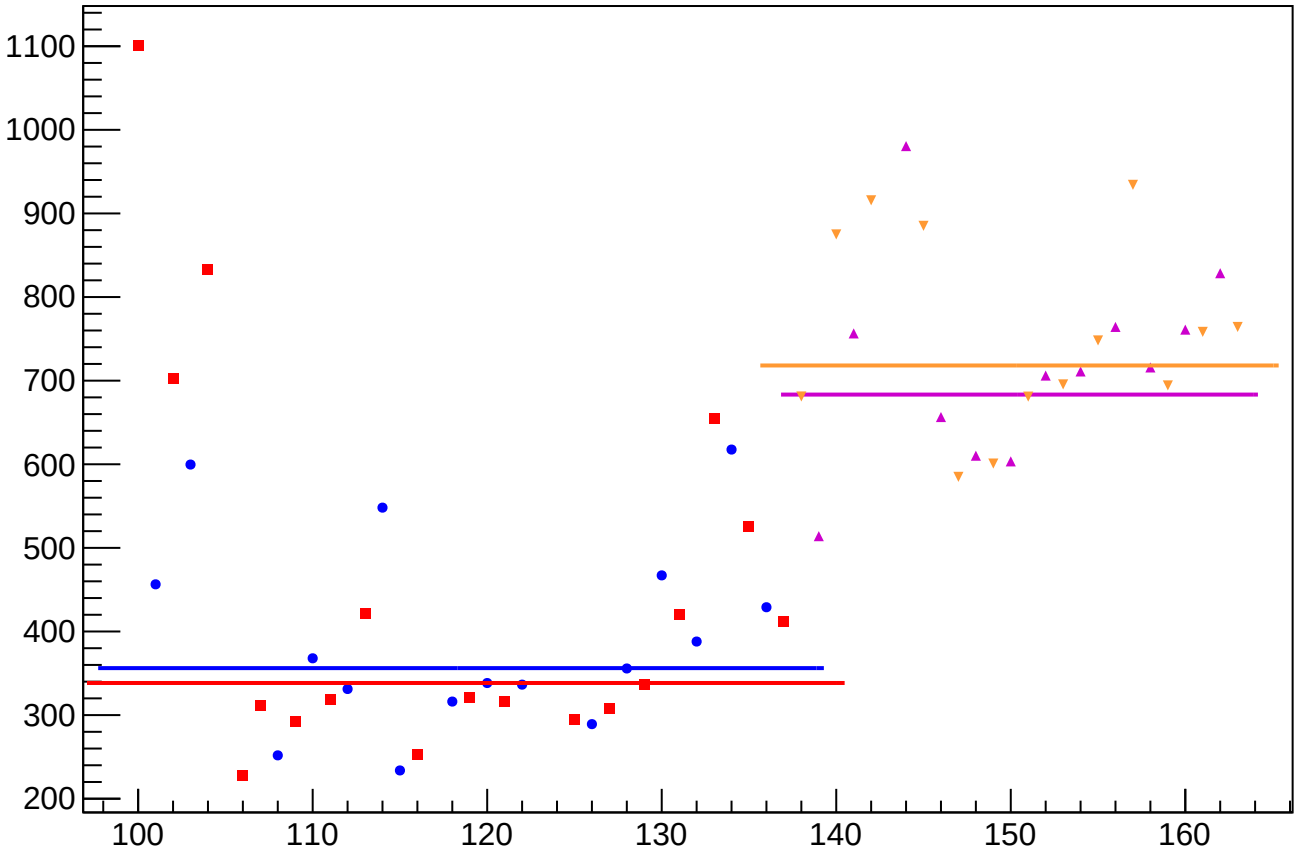
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.057+/-0.217 χ^2/NDF:14.9/11

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.079+/-0.083 χ^2/NDF: 74.6/58

- sign -0.083+/-0.116 χ^2/NDF: 42.4/29



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

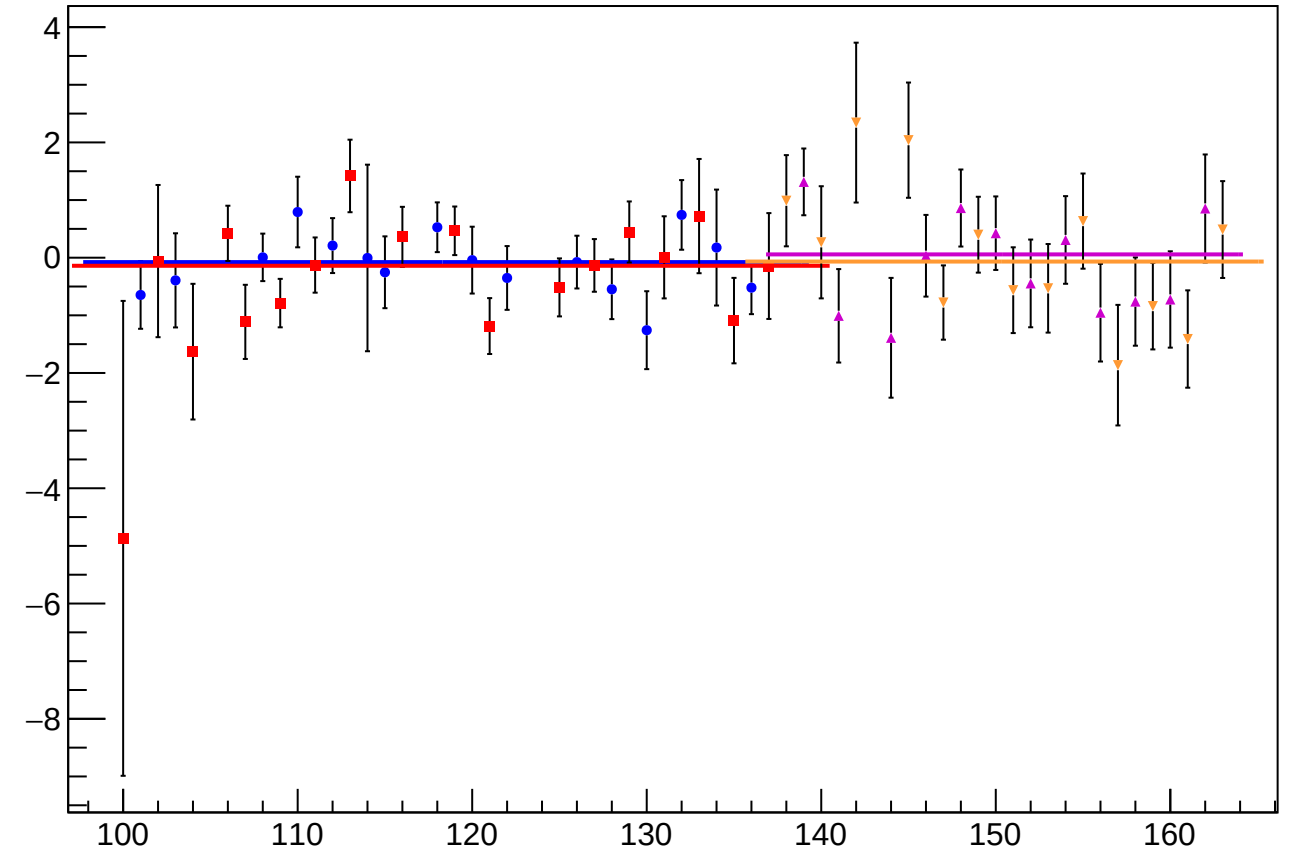
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 683.347+/-0.153 χ^2/NDF:500657.4/11

+ sign 455.662+/-0.084 χ^2/NDF: 4873418.2/28

All: 446.491+/-0.059 χ^2/NDF: 10199948.3/58

- sign 437.731+/-0.082 χ^2/NDF: 5303356.4/29



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

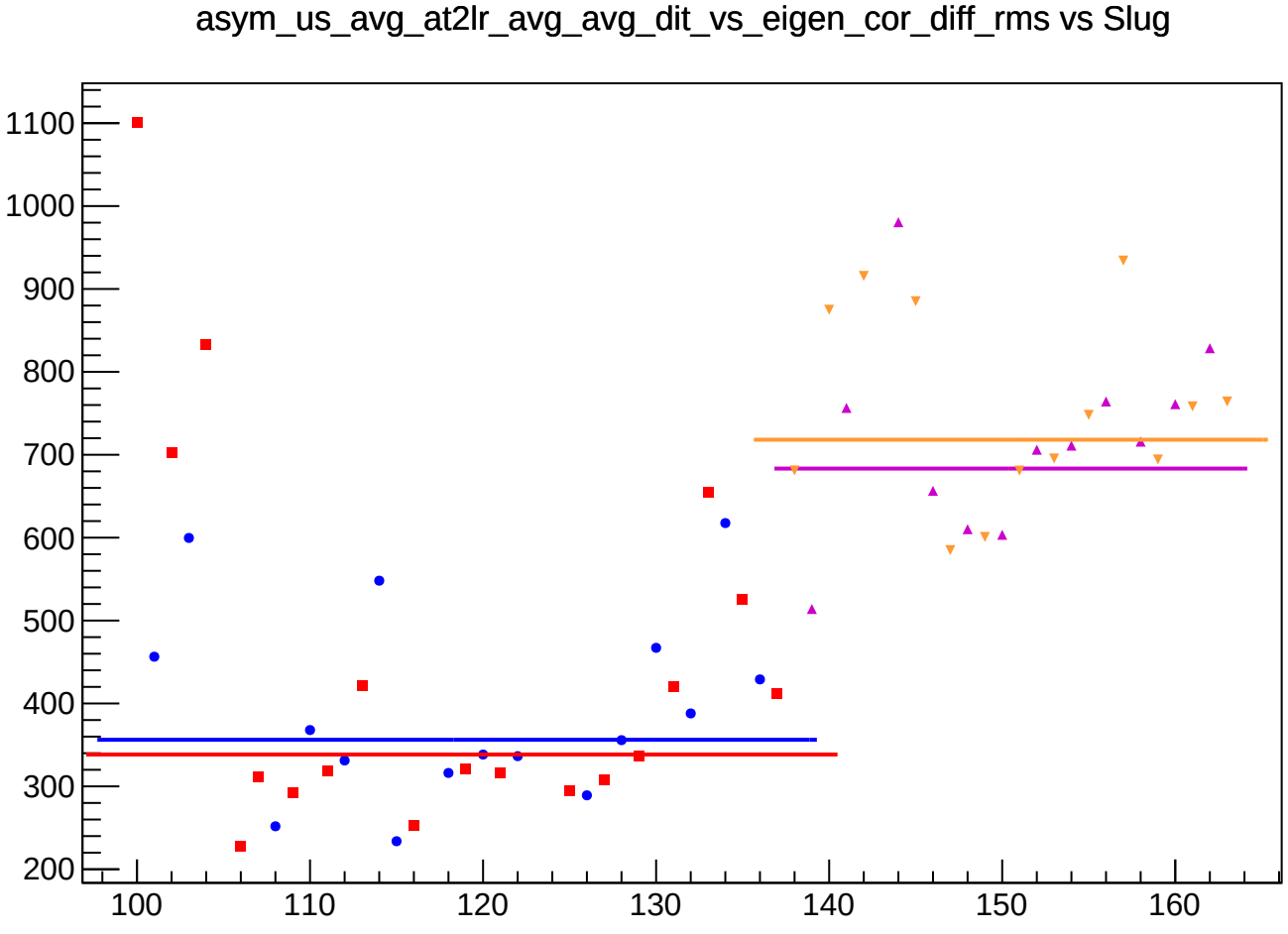
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.057+/-0.217 χ^2/NDF:14.9/11

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.079+/-0.083 χ^2/NDF: 74.6/58

- sign -0.083+/-0.116 χ^2/NDF: 42.4/29



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

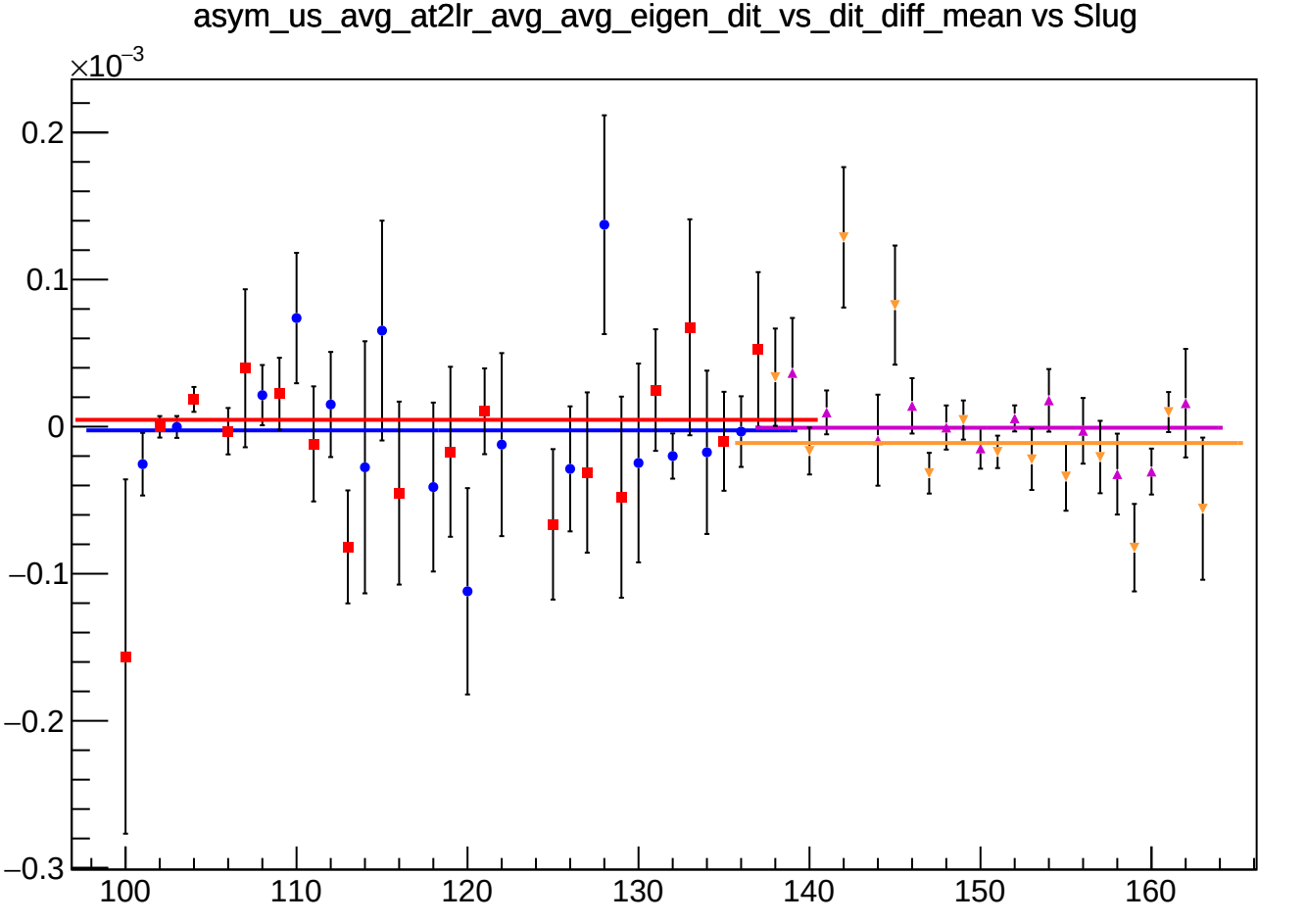
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 683.347+/-0.153 χ^2/NDF:500657.4/11

+ sign 455.662+/-0.084 χ^2/NDF: 4873418.2/28

All: 446.491+/-0.059 χ^2/NDF: 10199948.3/58

- sign 437.731+/-0.082 χ^2/NDF: 5303356.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

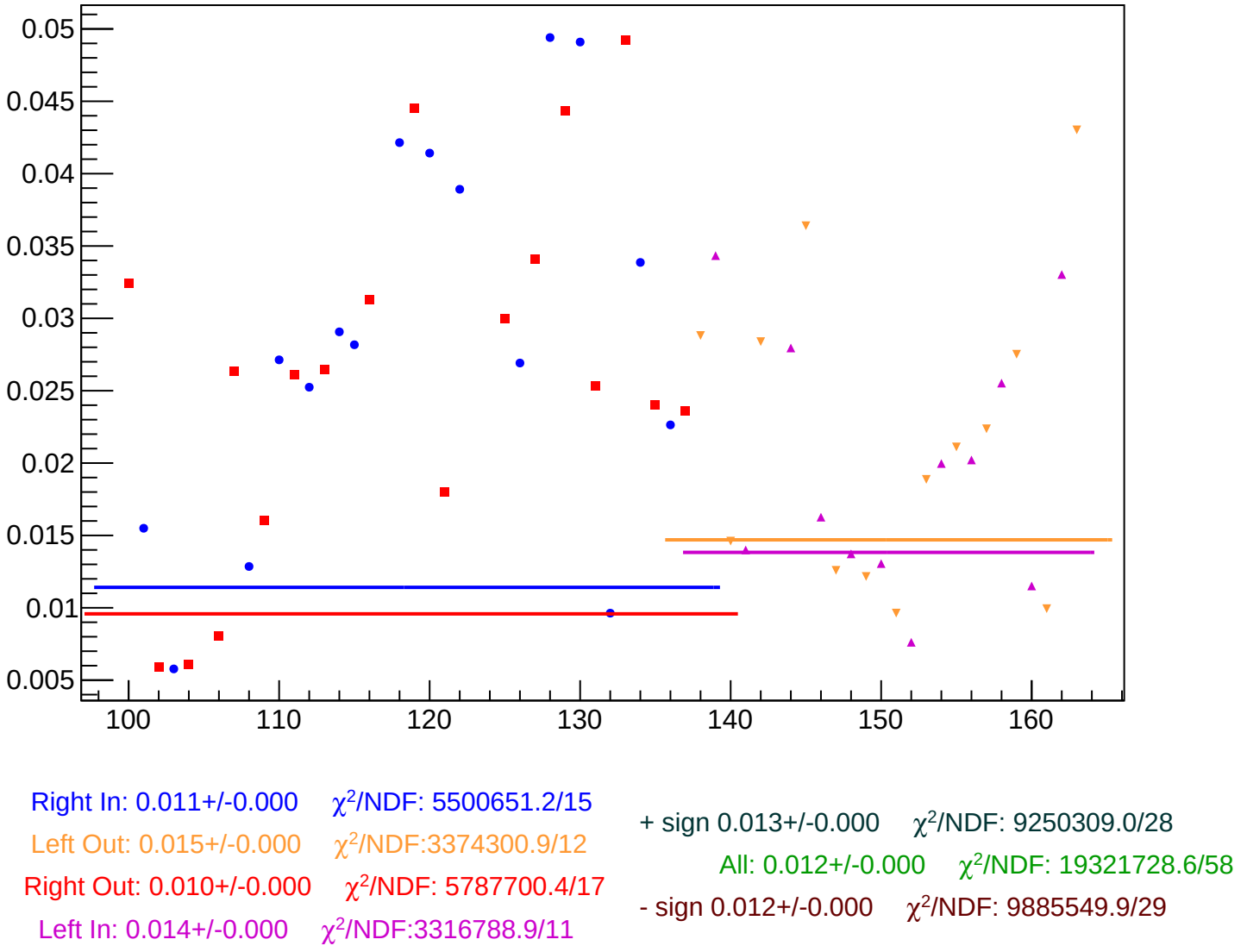
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

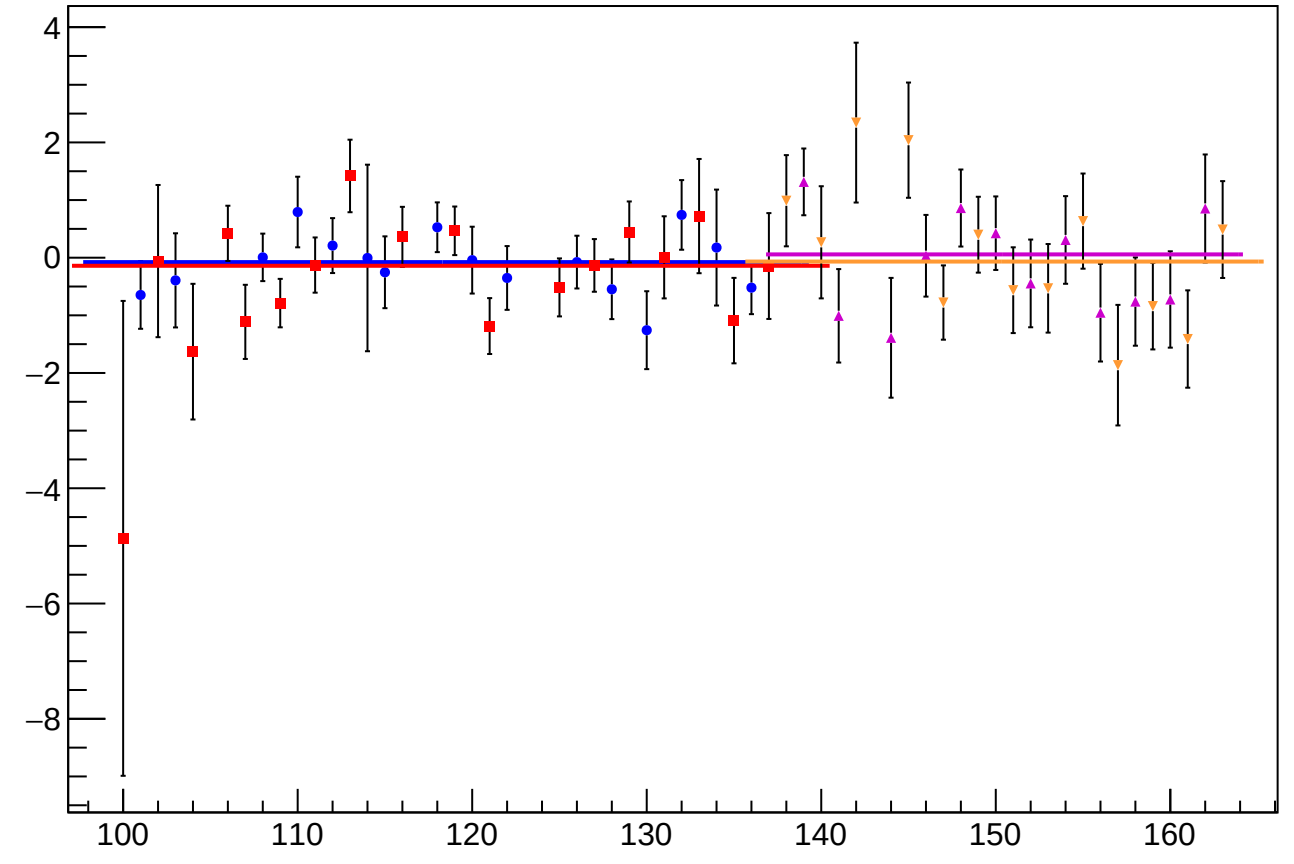
Left In: -0.000+/-0.000 χ^2/NDF:9.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/28

All: -0.000+/-0.000 χ^2/NDF: 77.1/58

- sign 0.000+/-0.000 χ^2/NDF: 27.4/29


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.015+/-0.000 χ²/NDF:3374300.9/12
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.014+/-0.000 χ²/NDF:3316788.9/11
+ sign 0.013+/-0.000 χ²/NDF: 9250309.0/28
All: 0.012+/-0.000 χ²/NDF: 19321728.6/58
- sign 0.012+/-0.000 χ²/NDF: 9885549.9/29



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

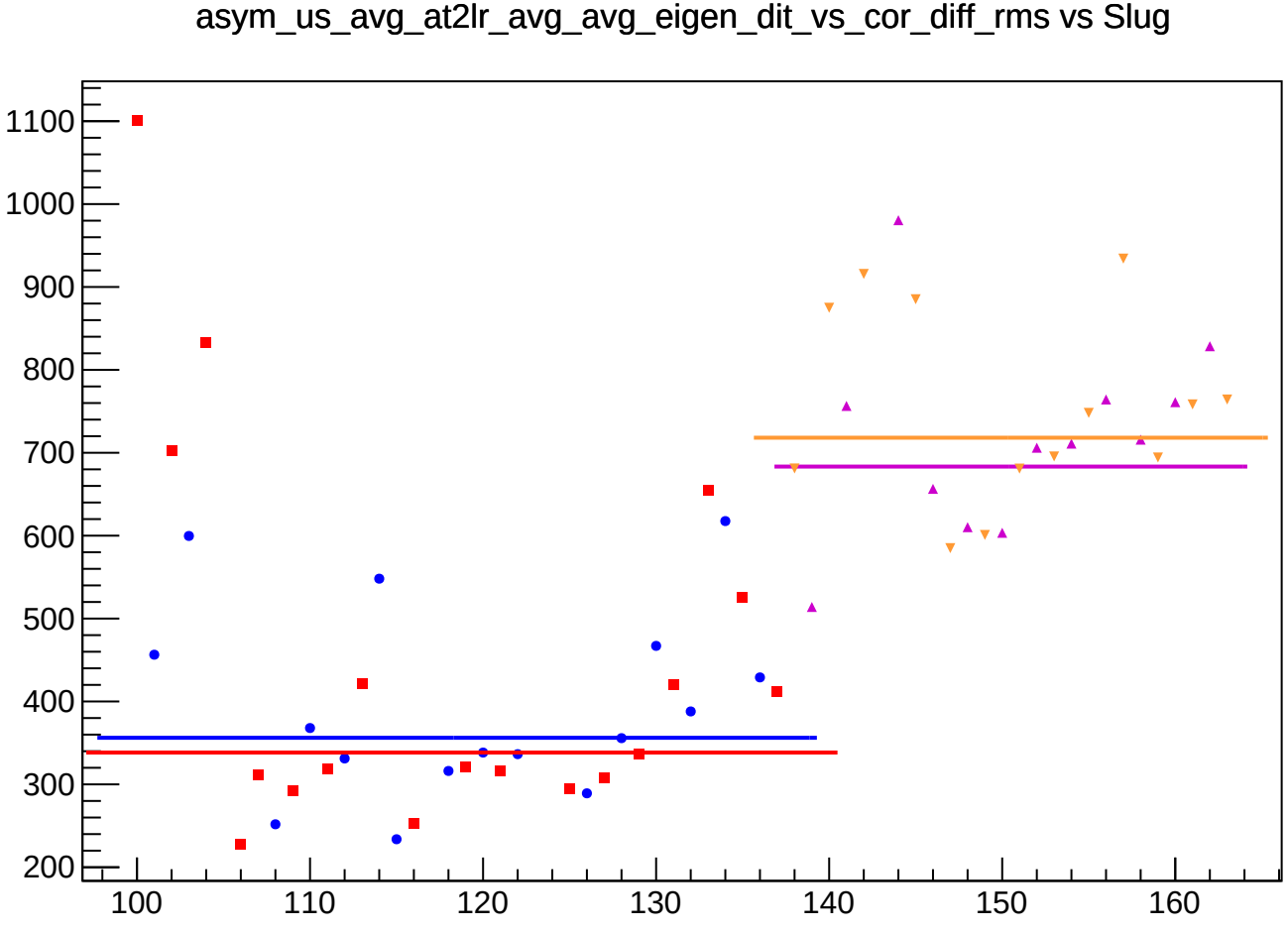
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

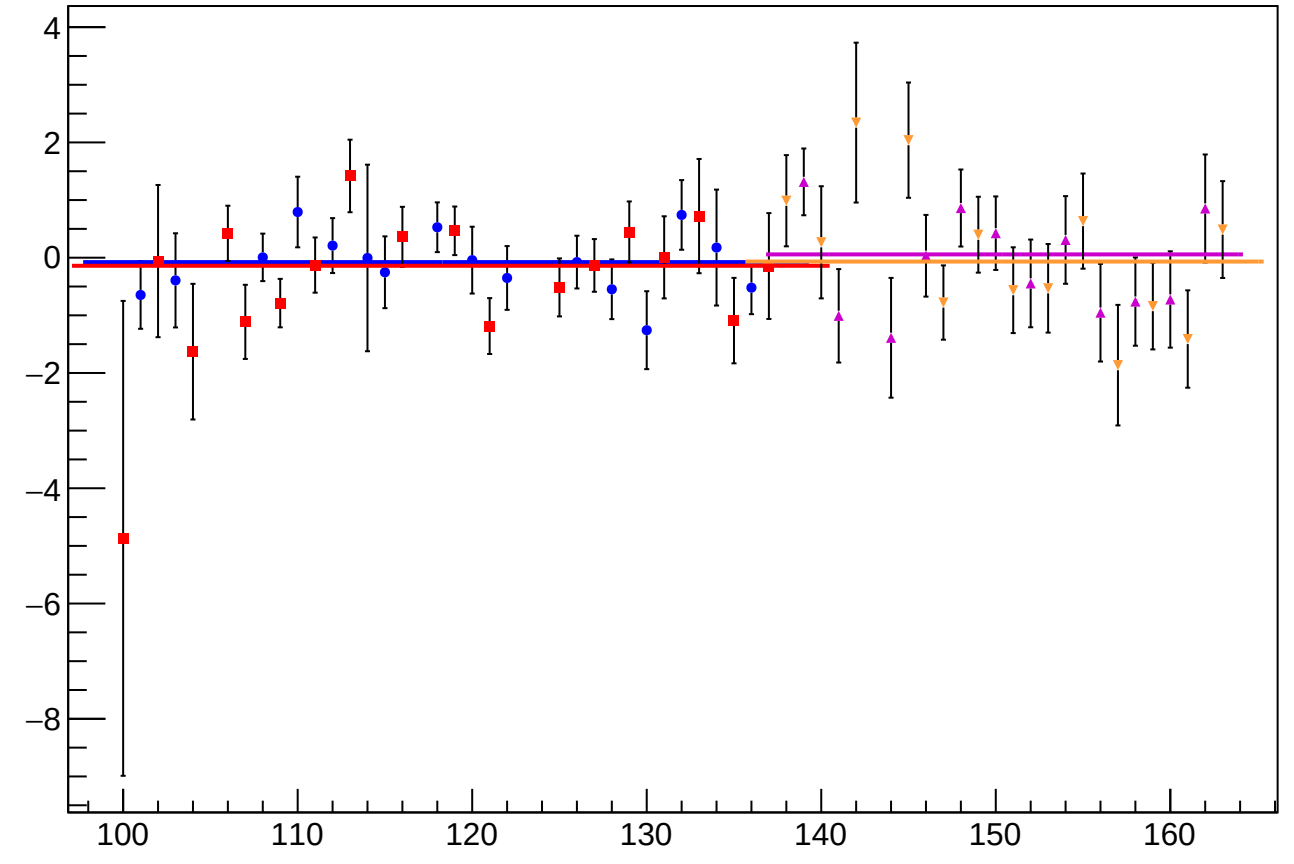
Left In: 0.057+/-0.217 χ^2/NDF:14.9/11

+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.079+/-0.083 χ^2/NDF: 74.6/58

- sign -0.083+/-0.116 χ^2/NDF: 42.4/29


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 718.171+/-0.161 χ²/NDF:409007.0/12
Right Out: 338.408+/-0.098 χ²/NDF: 1203260.7/17
Left In: 683.357+/-0.153 χ²/NDF:500652.6/11
+ sign 455.661+/-0.084 χ²/NDF: 4873573.6/28
All: 446.489+/-0.059 χ²/NDF: 10200280.3/58
- sign 437.730+/-0.082 χ²/NDF: 5303531.5/29



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

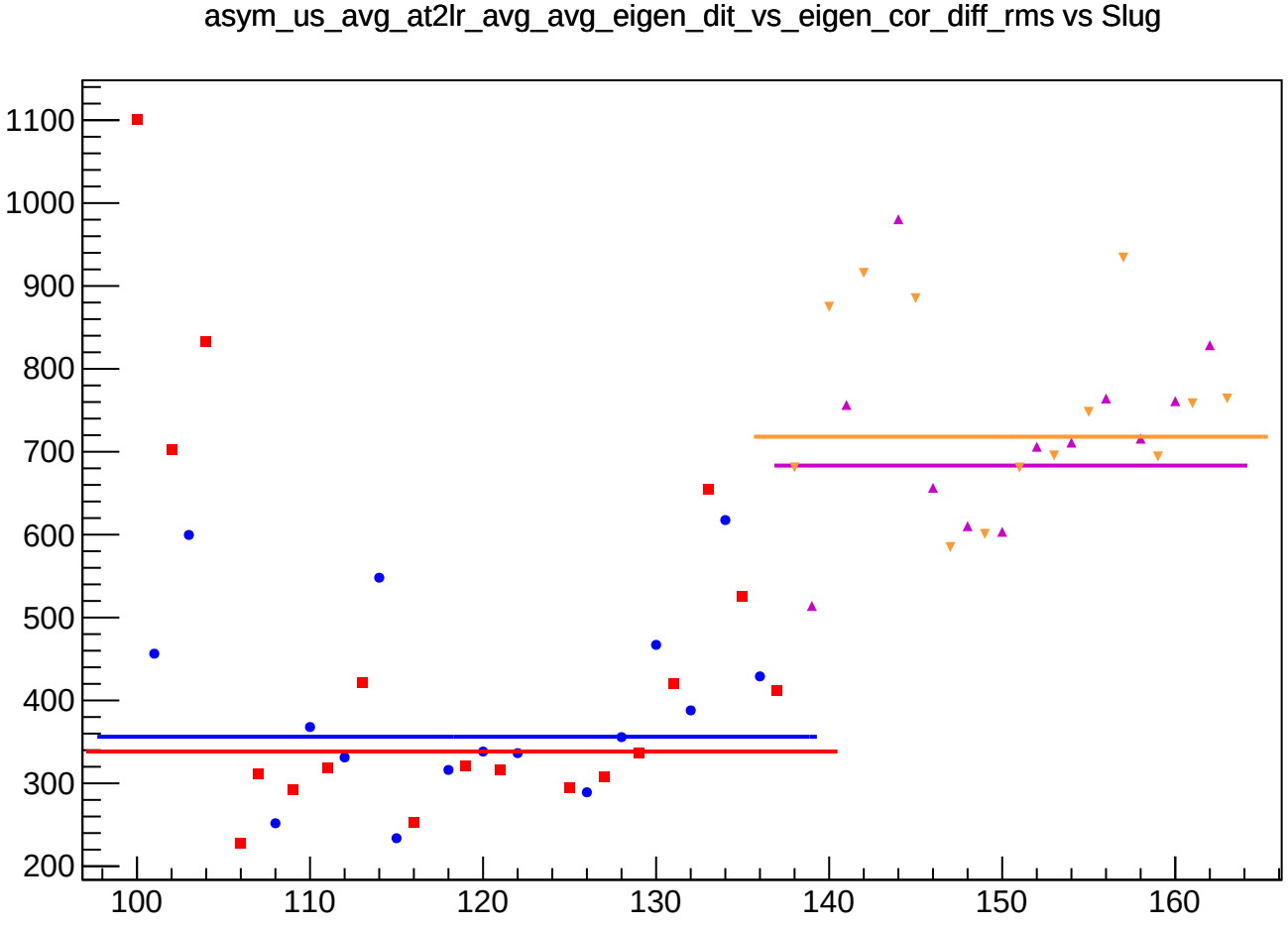
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.057+/-0.217 χ^2/NDF:14.9/11

\+ sign -0.074+/-0.119 χ^2/NDF: 32.1/28

All: -0.079+/-0.083 χ^2/NDF: 74.6/58

\- sign -0.083+/-0.116 χ^2/NDF: 42.4/29



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 718.171+/-0.161 χ^2/NDF:409007.0/12

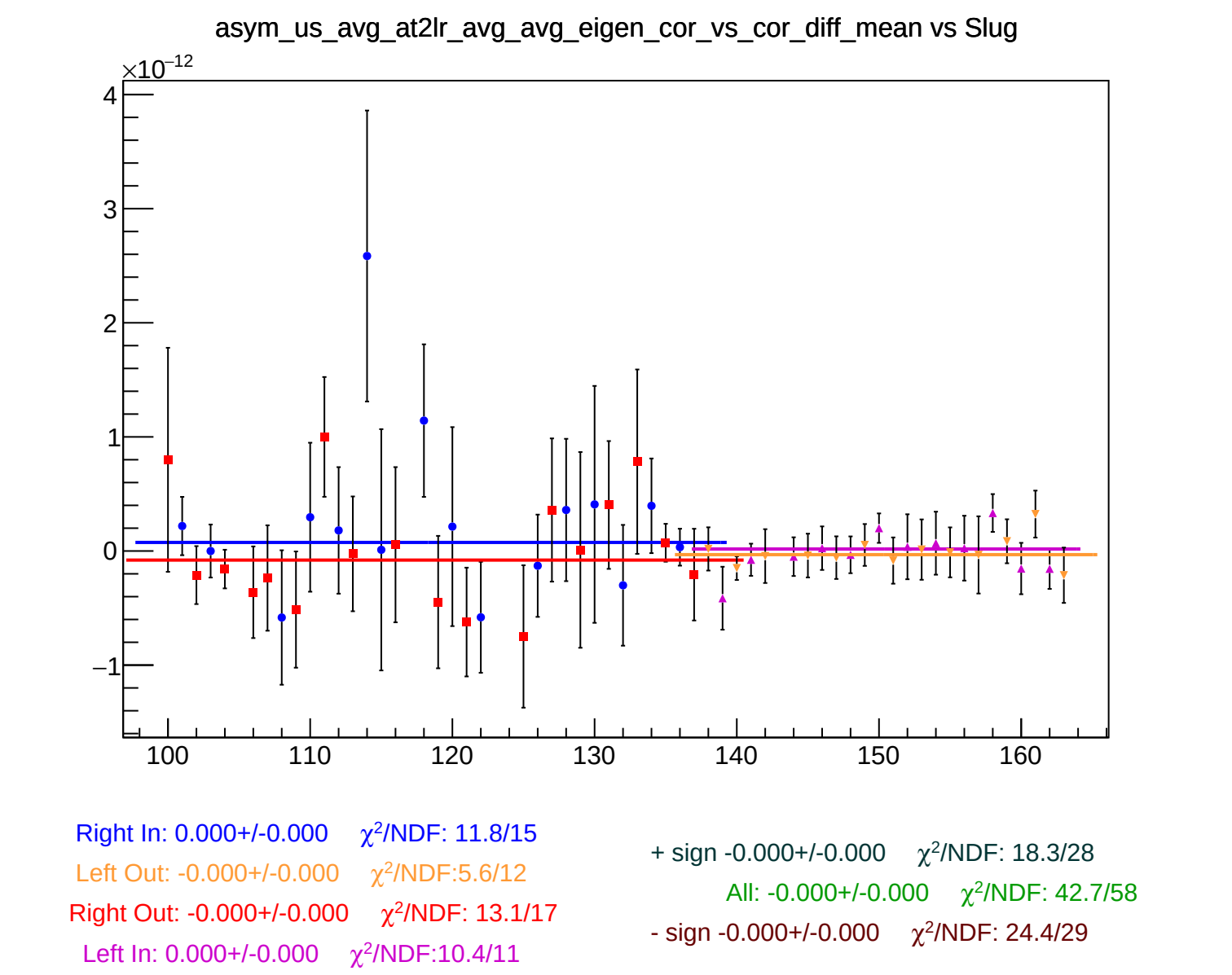
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

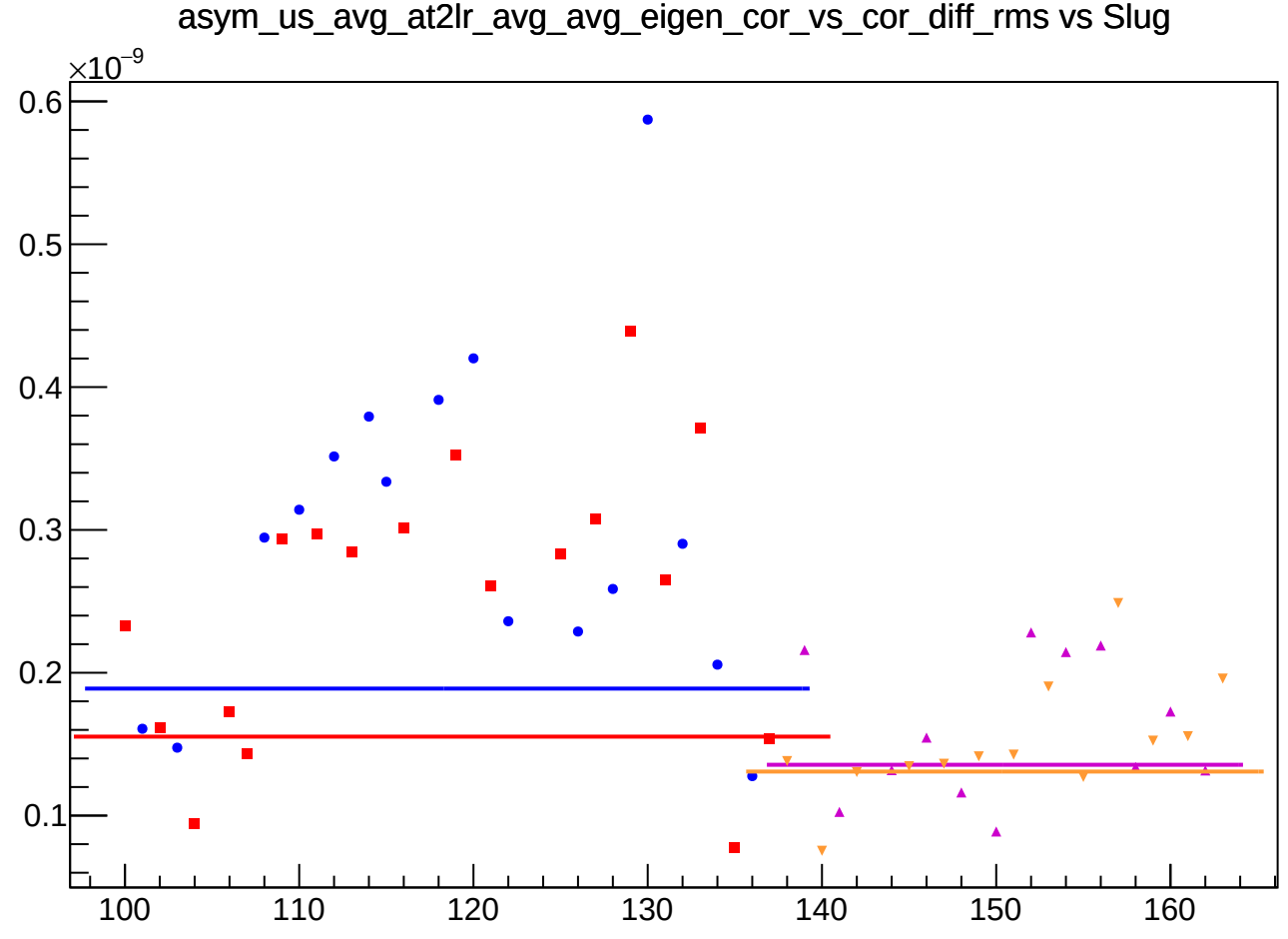
Left In: 683.357+/-0.153 χ^2/NDF:500652.6/11

+ sign 455.661+/-0.084 χ^2/NDF: 4873573.6/28

All: 446.489+/-0.059 χ^2/NDF: 10200280.3/58

- sign 437.730+/-0.082 χ^2/NDF: 5303531.5/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:5.6/12
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:10.4/11
+ sign -0.000+/-0.000 χ²/NDF: 18.3/28
All: -0.000+/-0.000 χ²/NDF: 42.7/58
- sign -0.000+/-0.000 χ²/NDF: 24.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1132153.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

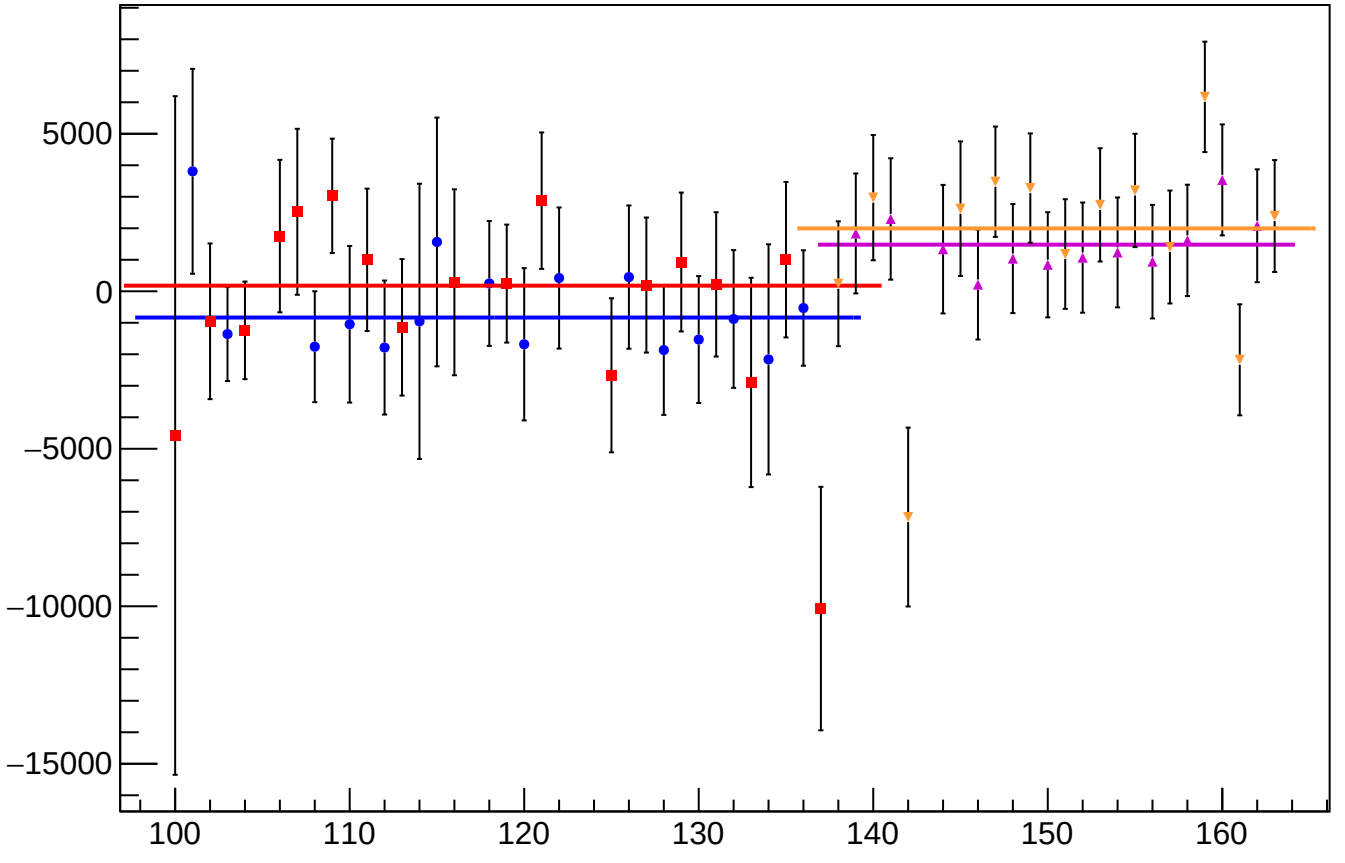
Left In: 0.000+/-0.000 χ^2/NDF:1194941.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3212051.1/28

All: 0.000+/-0.000 χ^2/NDF: 6688658.3/58

- sign 0.000+/-0.000 χ^2/NDF: 3472056.1/29

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1995.963+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

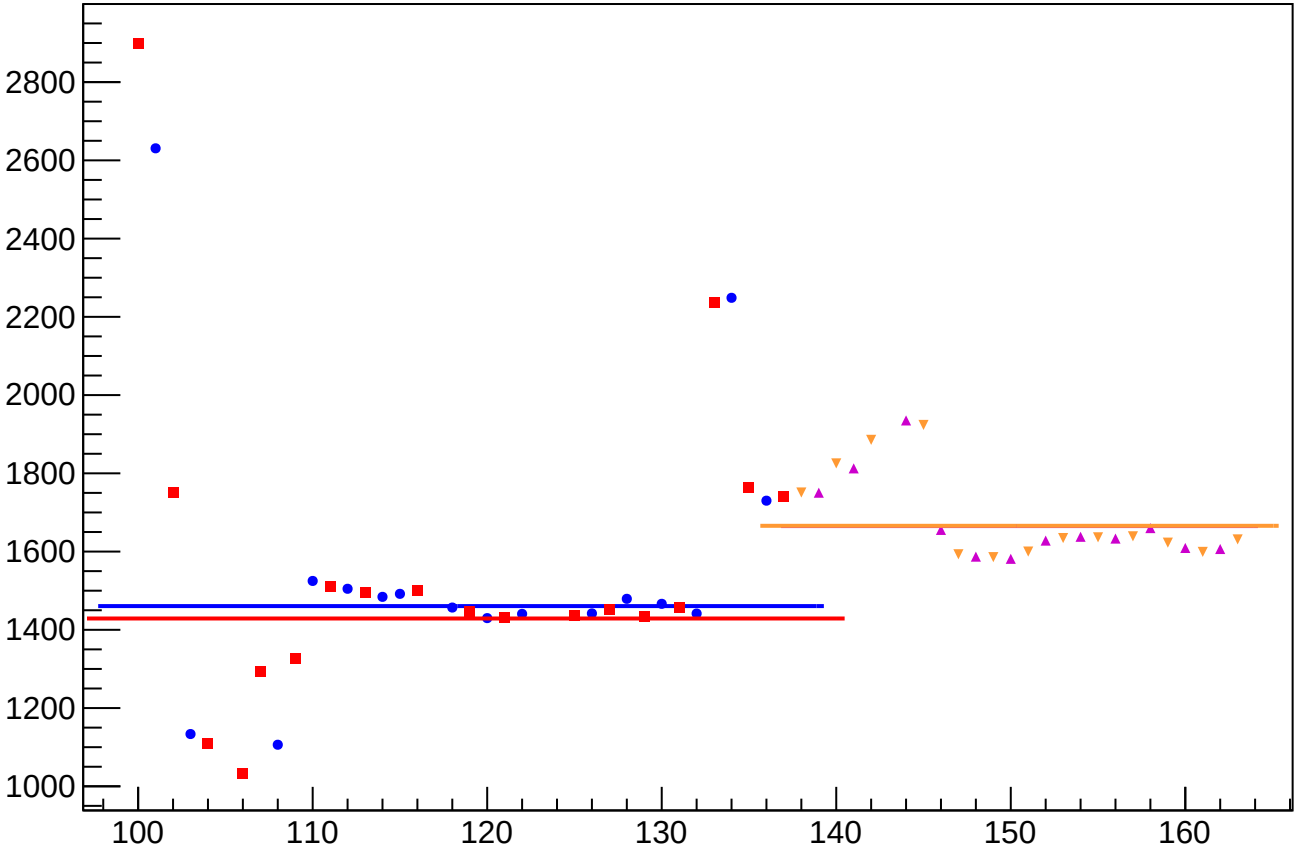
Left In: 1480.193+/-518.148 χ^2/NDF:2.6/11

+ sign 679.432+/-378.466 χ^2/NDF: 43.6/28

All: 772.944+/-266.897 χ^2/NDF: 65.7/58

- sign 865.458+/-376.440 χ^2/NDF: 22.0/29

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

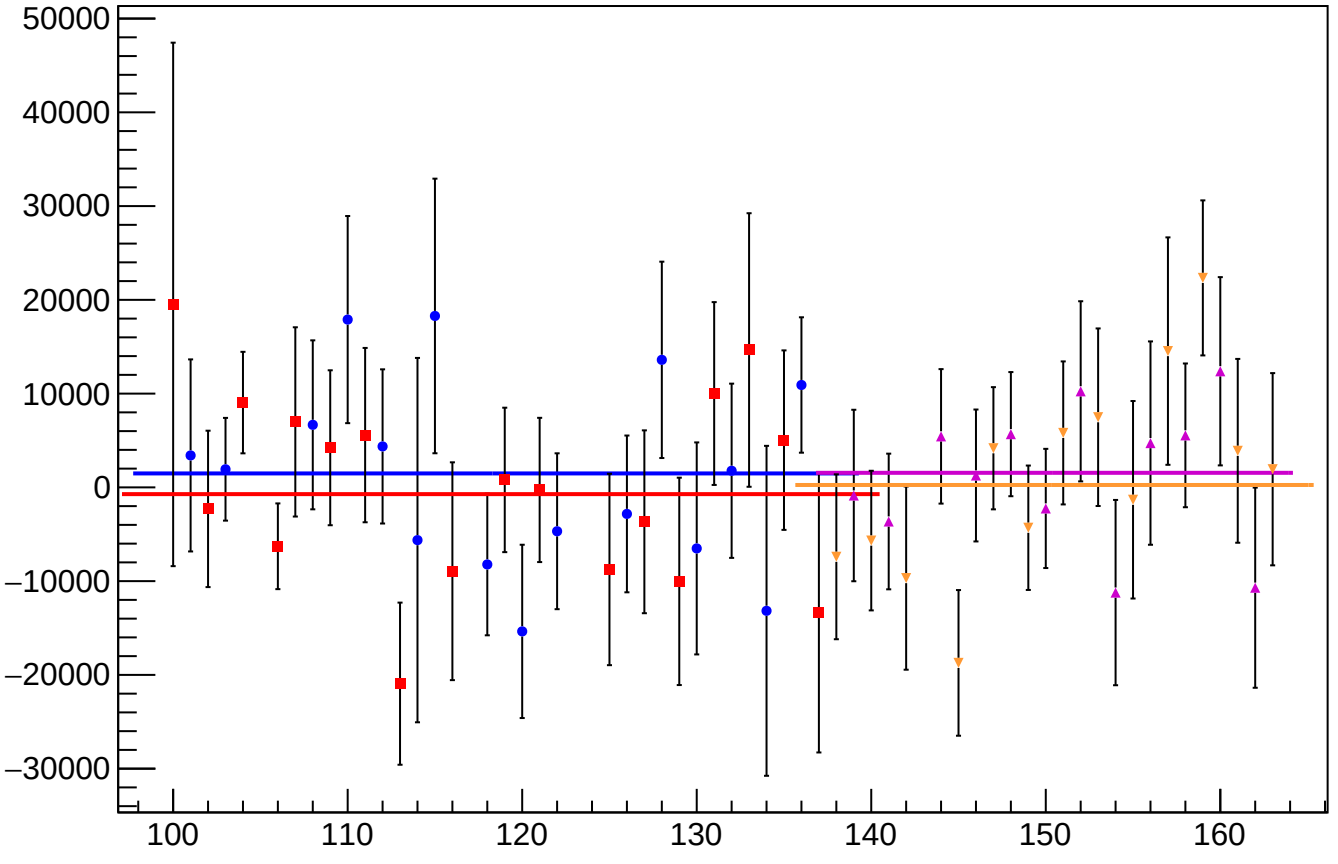
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

+ sign 1570.386+/-0.268 χ^2/NDF: 796704.7/28

All: 1561.497+/-0.188 χ^2/NDF: 1474167.1/58

- sign 1552.764+/-0.265 χ^2/NDF: 675275.1/29



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 255.369+/-2337.586 χ^2/NDF:19.0/12

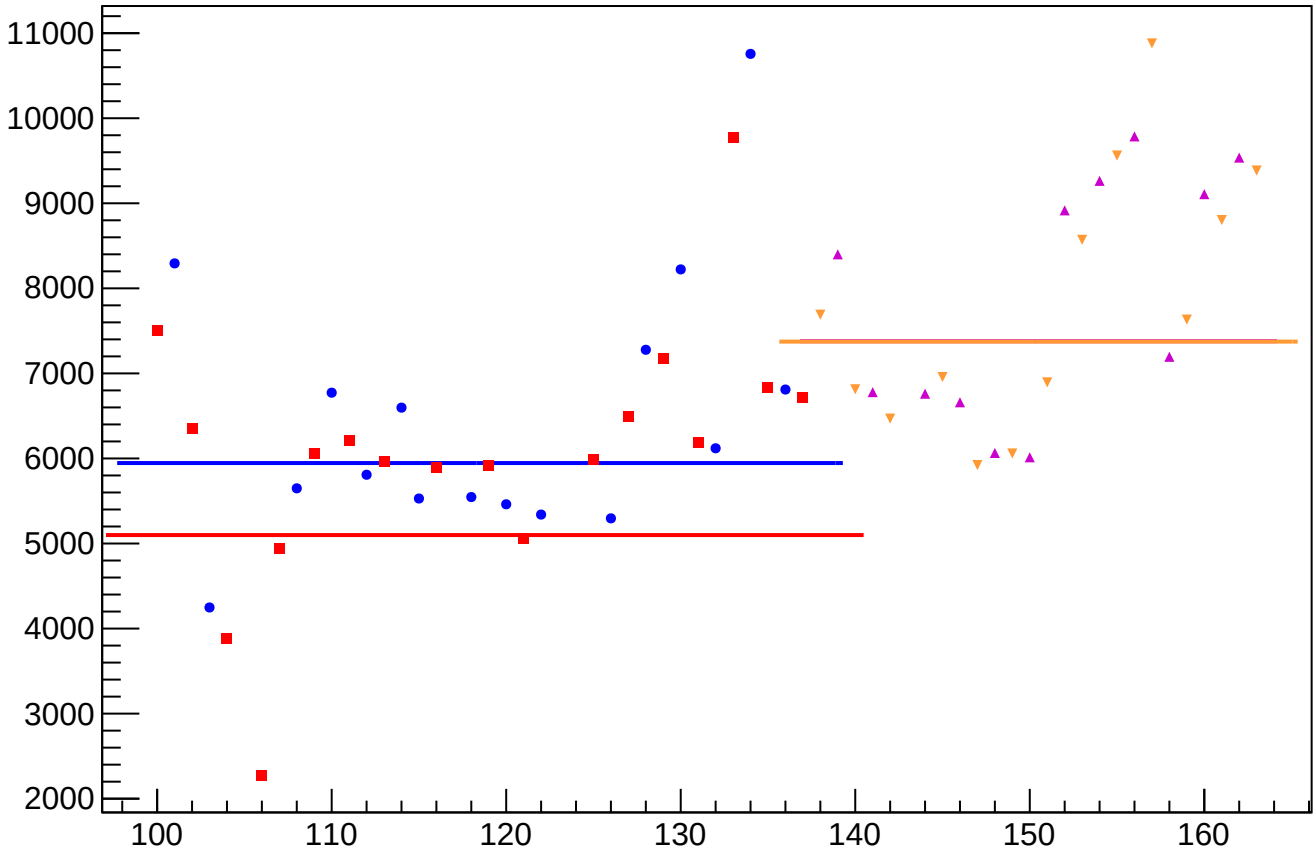
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1552.869+/-2333.945 χ^2/NDF:7.0/11

+ sign 890.007+/-1627.773 χ^2/NDF: 33.4/28

All: 548.172+/-1112.402 χ^2/NDF: 58.5/58

- sign 248.641+/-1523.724 χ^2/NDF: 25.0/29



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7373.693+/-1.653 χ^2/NDF:629541.4/12

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

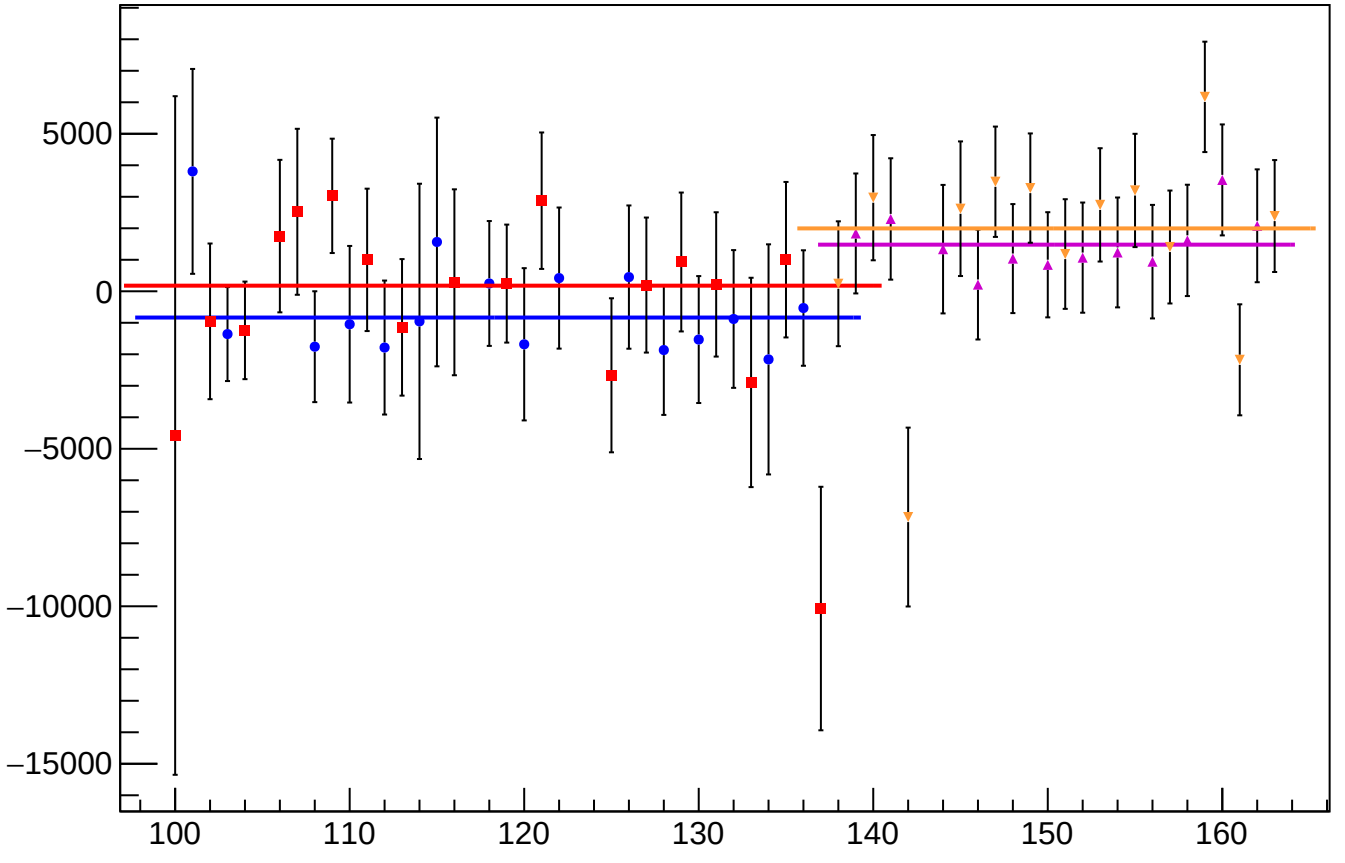
Left In: 7378.357+/-1.650 χ^2/NDF:610269.6/11

+ sign 6638.330+/-1.151 χ^2/NDF: 1654916.9/28

All: 6335.804+/-0.787 χ^2/NDF: 4969322.8/58

- sign 6070.717+/-1.077 χ^2/NDF: 3184790.2/29

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1996.021+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

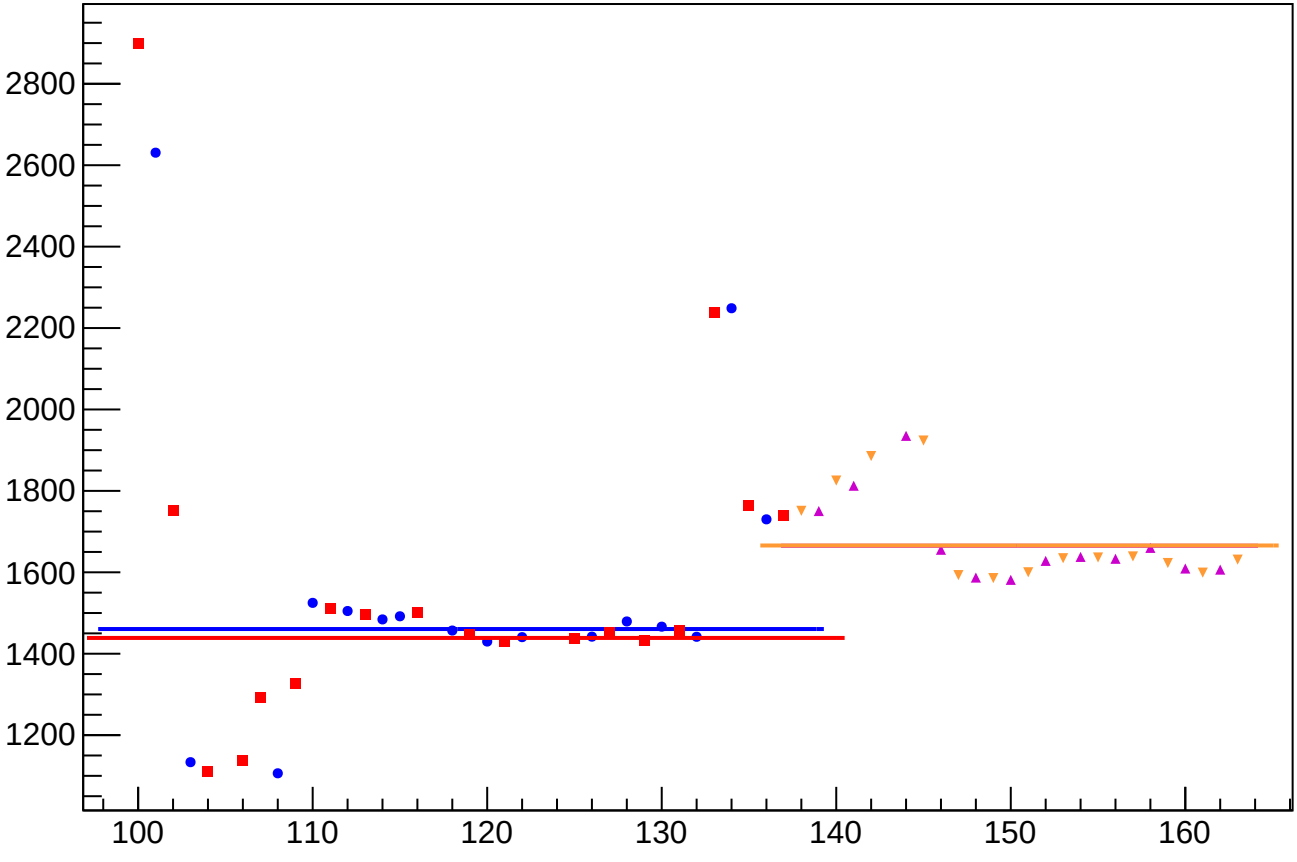
Left In: 1480.188+/-518.148 χ^2/NDF:2.6/11

+ sign 679.434+/-378.466 χ^2/NDF: 43.6/28

All: 772.906+/-266.897 χ^2/NDF: 65.7/58

- sign 865.380+/-376.440 χ^2/NDF: 22.0/29

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

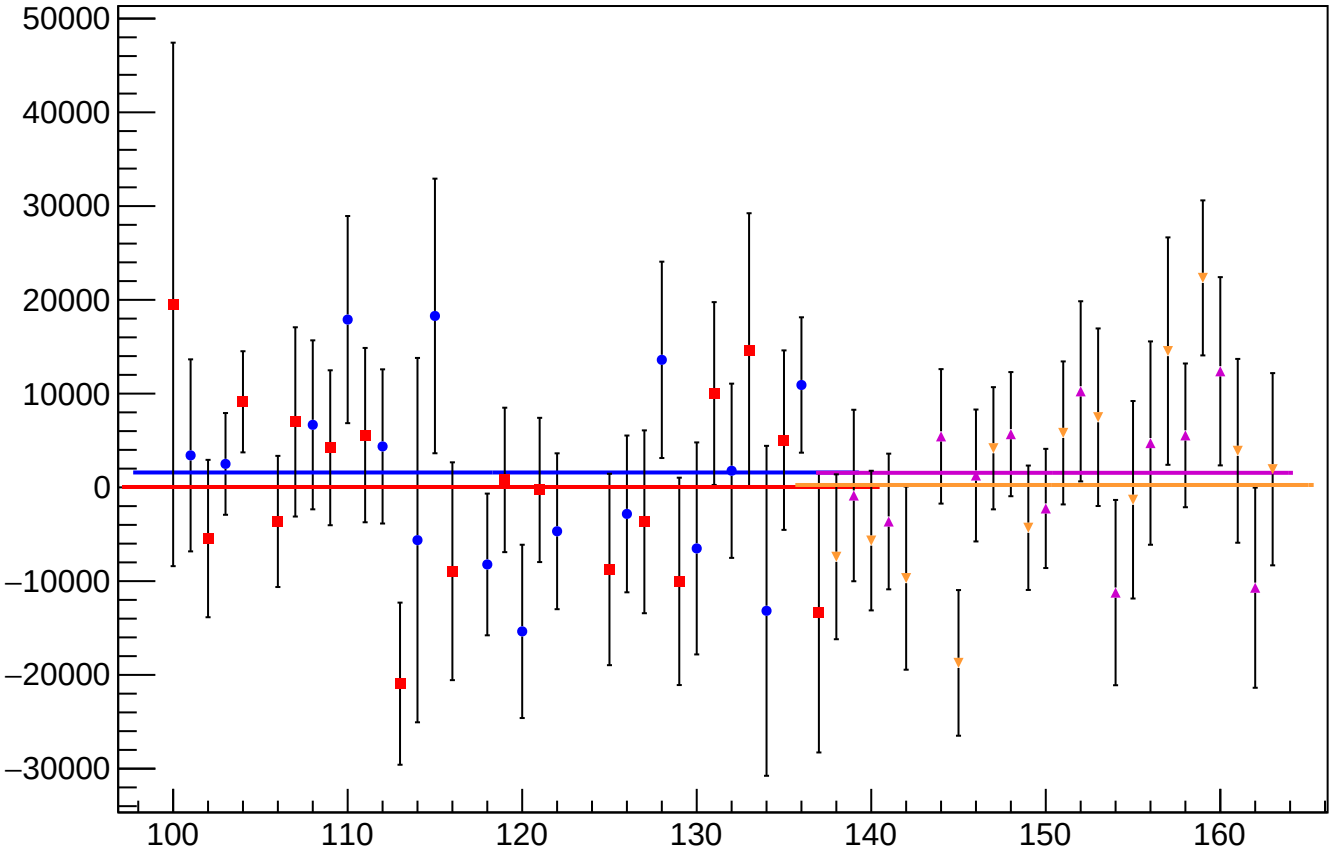
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

+ sign 1570.386+/-0.268 χ^2/NDF: 796705.2/28

All: 1564.162+/-0.189 χ^2/NDF: 1418067.2/58

- sign 1558.017+/-0.266 χ^2/NDF: 620287.0/29



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 255.362+/-2337.584 χ^2/NDF:19.1/12

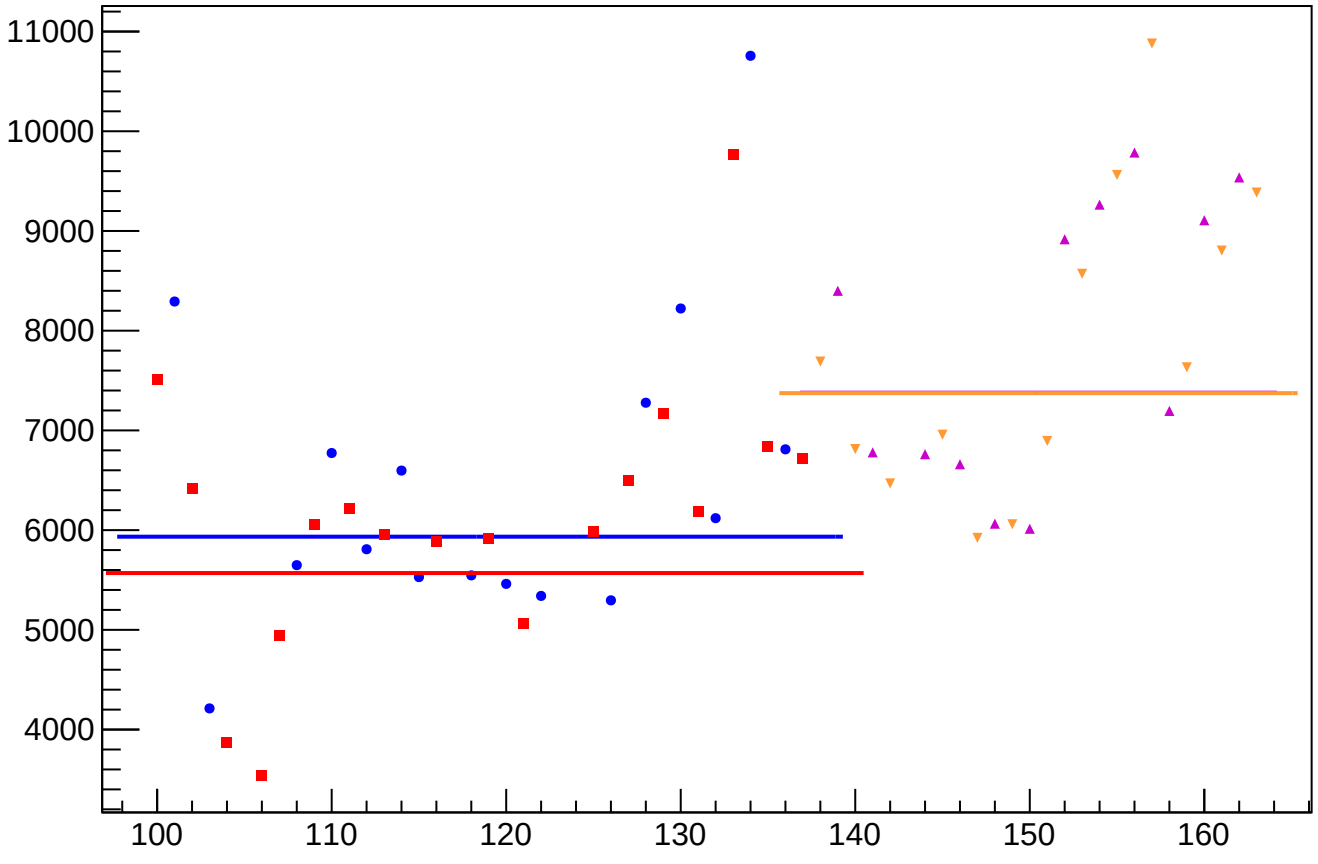
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1552.906+/-2333.943 χ^2/NDF:7.0/11

+ sign 943.247+/-1626.378 χ^2/NDF: 33.4/28

All: 832.601+/-1131.247 χ^2/NDF: 57.1/58

- sign 728.897+/-1574.530 χ^2/NDF: 23.6/29



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7373.688+/-1.653 χ^2/NDF:629539.8/12

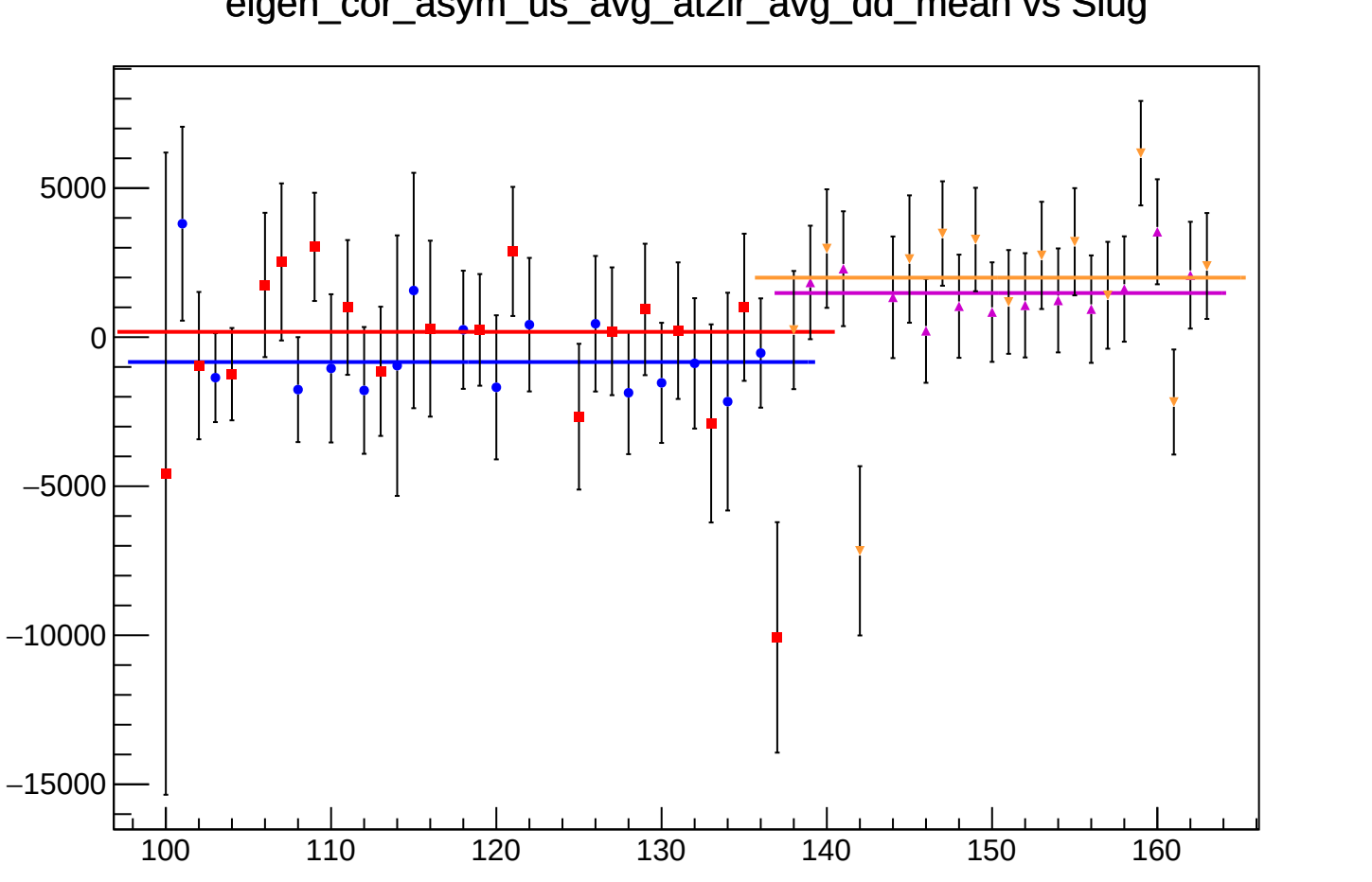
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7378.352+/-1.650 χ^2/NDF:610272.0/11

+ sign 6631.018+/-1.150 χ^2/NDF: 1673910.6/28

All: 6508.049+/-0.800 χ^2/NDF: 3684880.7/58

- sign 6392.794+/-1.113 χ^2/NDF: 1988820.3/29



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1996.021+/-517.572 χ^2/NDF:25.1/12

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

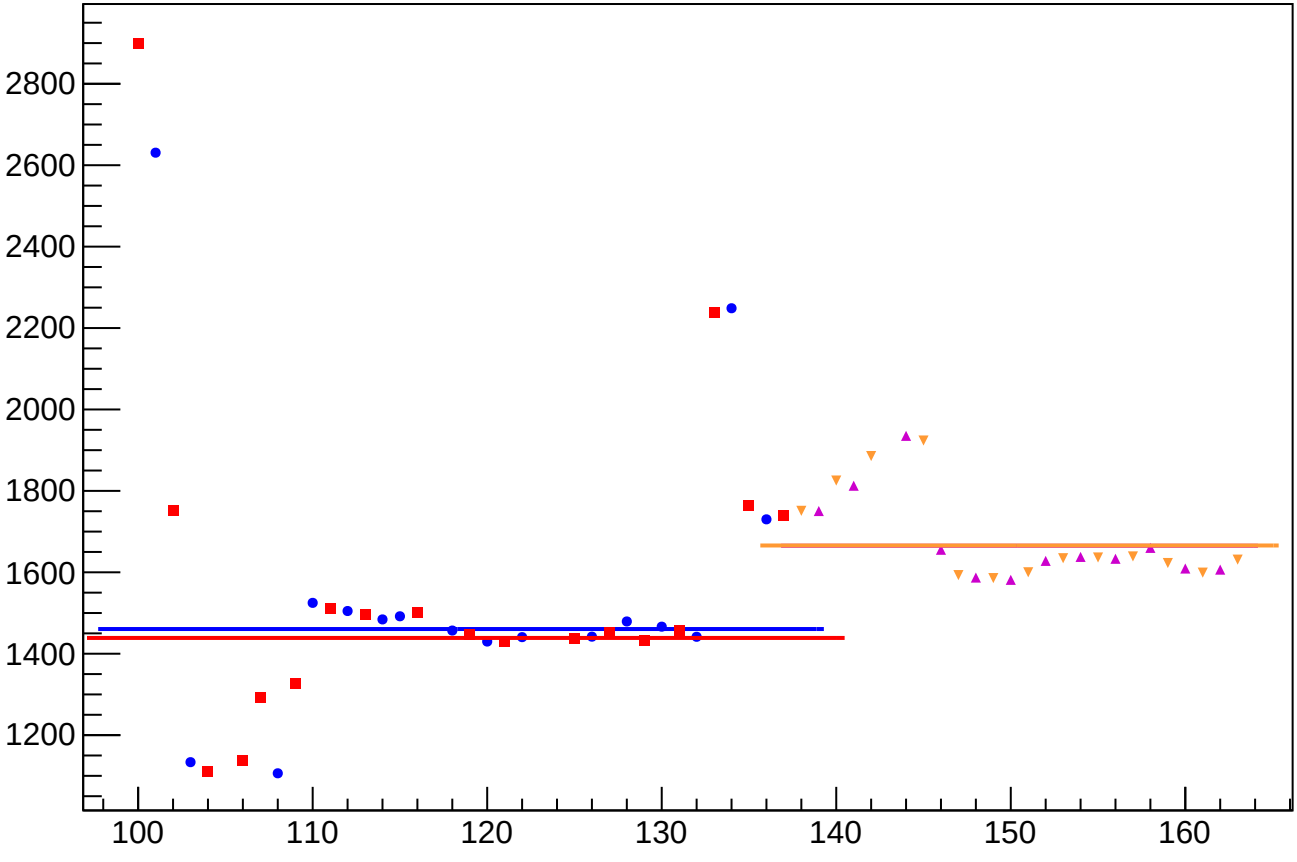
Left In: 1480.188+/-518.148 χ^2/NDF:2.6/11

\+ sign 679.434+/-378.466 χ^2/NDF: 43.6/28

All: 772.906+/-266.897 χ^2/NDF: 65.7/58

\- sign 865.380+/-376.440 χ^2/NDF: 22.0/29

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: 1665.876+/-0.366 χ^2/NDF:74660.9/12

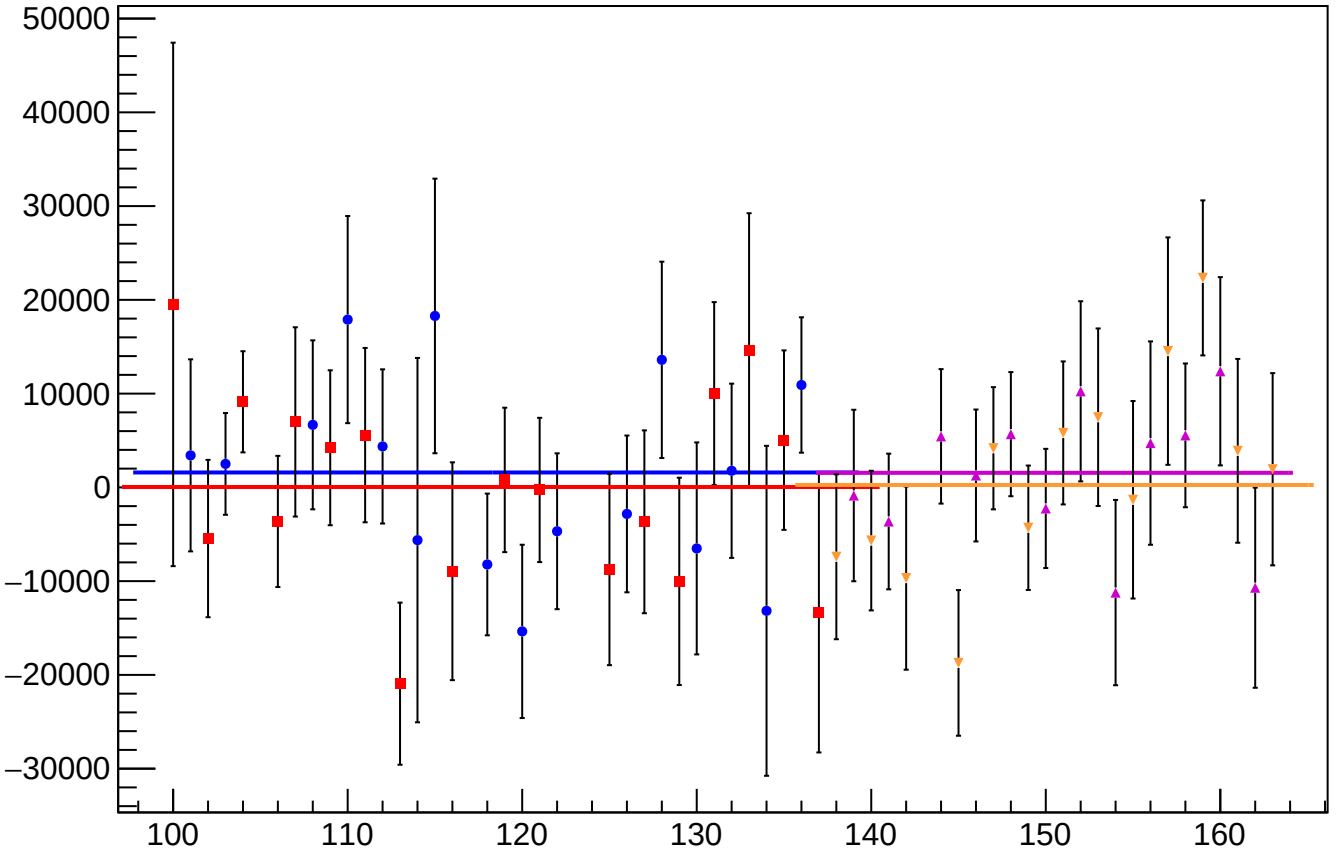
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

+ sign 1570.386+/-0.268 χ^2/NDF: 796705.2/28

All: 1564.162+/-0.189 χ^2/NDF: 1418067.2/58

- sign 1558.017+/-0.266 χ^2/NDF: 620287.0/29



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 255.362+/-2337.584 χ^2/NDF:19.1/12

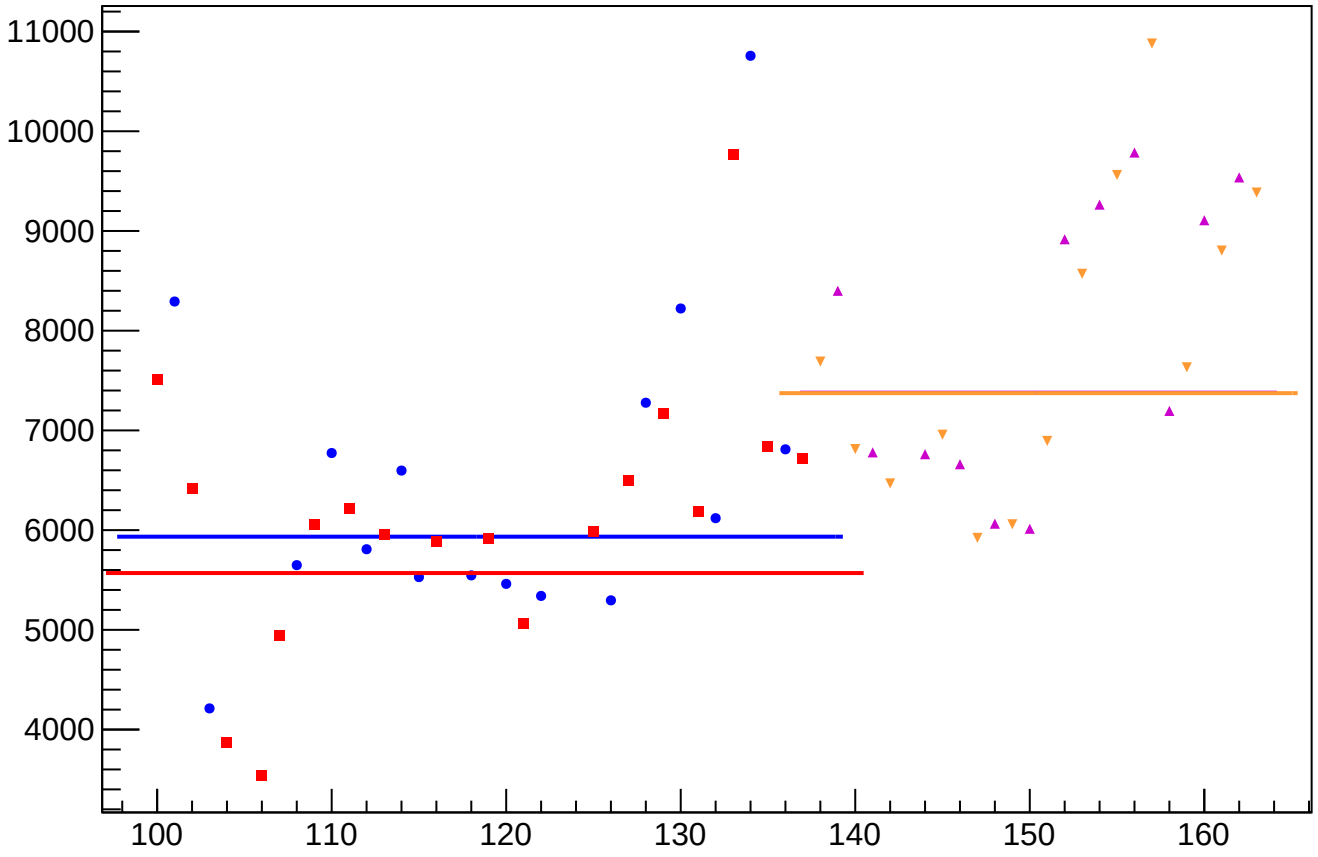
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1552.906+/-2333.943 χ^2/NDF:7.0/11

+ sign 943.247+/-1626.378 χ^2/NDF: 33.4/28

All: 832.601+/-1131.247 χ^2/NDF: 57.1/58

- sign 728.897+/-1574.530 χ^2/NDF: 23.6/29



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

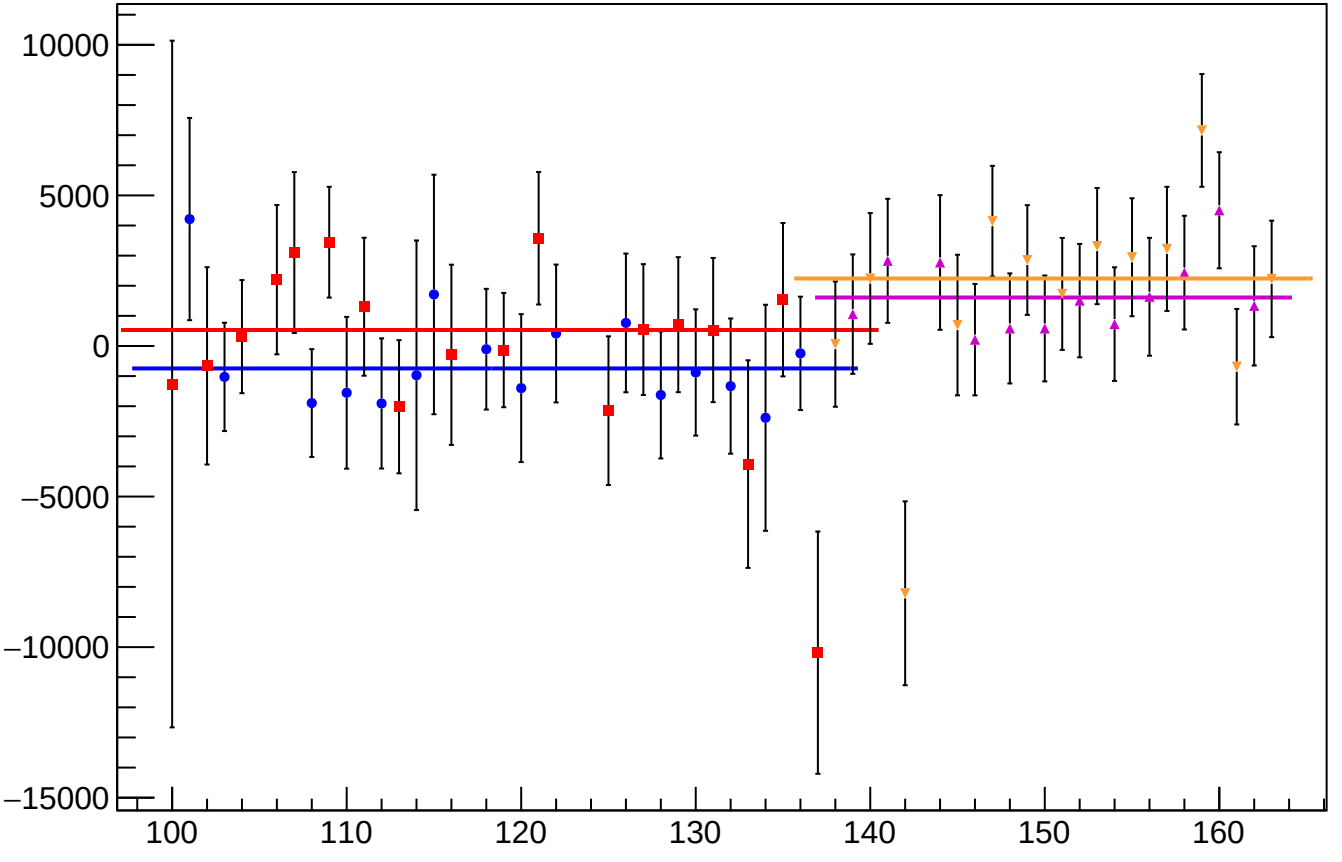
Left In: 7378.352+/-1.650 χ^2/NDF:610272.0/11

+ sign 6631.018+/-1.150 χ^2/NDF: 1673910.6/28

All: 6508.049+/-0.800 χ^2/NDF: 3684880.7/58

- sign 6392.794+/-1.113 χ^2/NDF: 1988820.3/29

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2241.569+/-558.070 χ^2/NDF:24.4/12

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

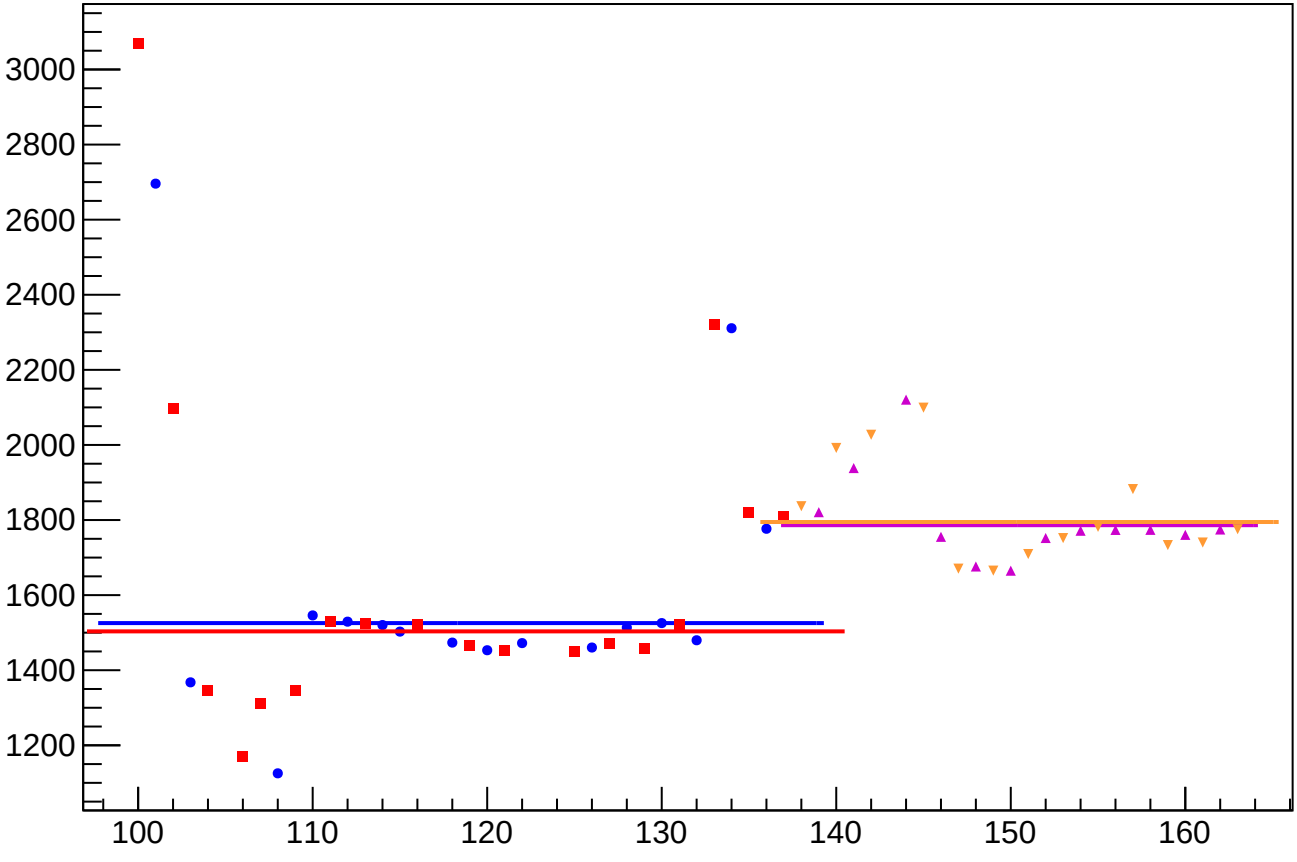
Left In: 1609.663+/-556.089 χ^2/NDF:4.6/11

+ sign 800.403+/-401.500 χ^2/NDF: 43.0/28

All: 945.128+/-283.290 χ^2/NDF: 67.4/58

- sign 1088.610+/-399.771 χ^2/NDF: 24.2/29

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1794.765+/-0.395 χ^2/NDF:95105.3/12

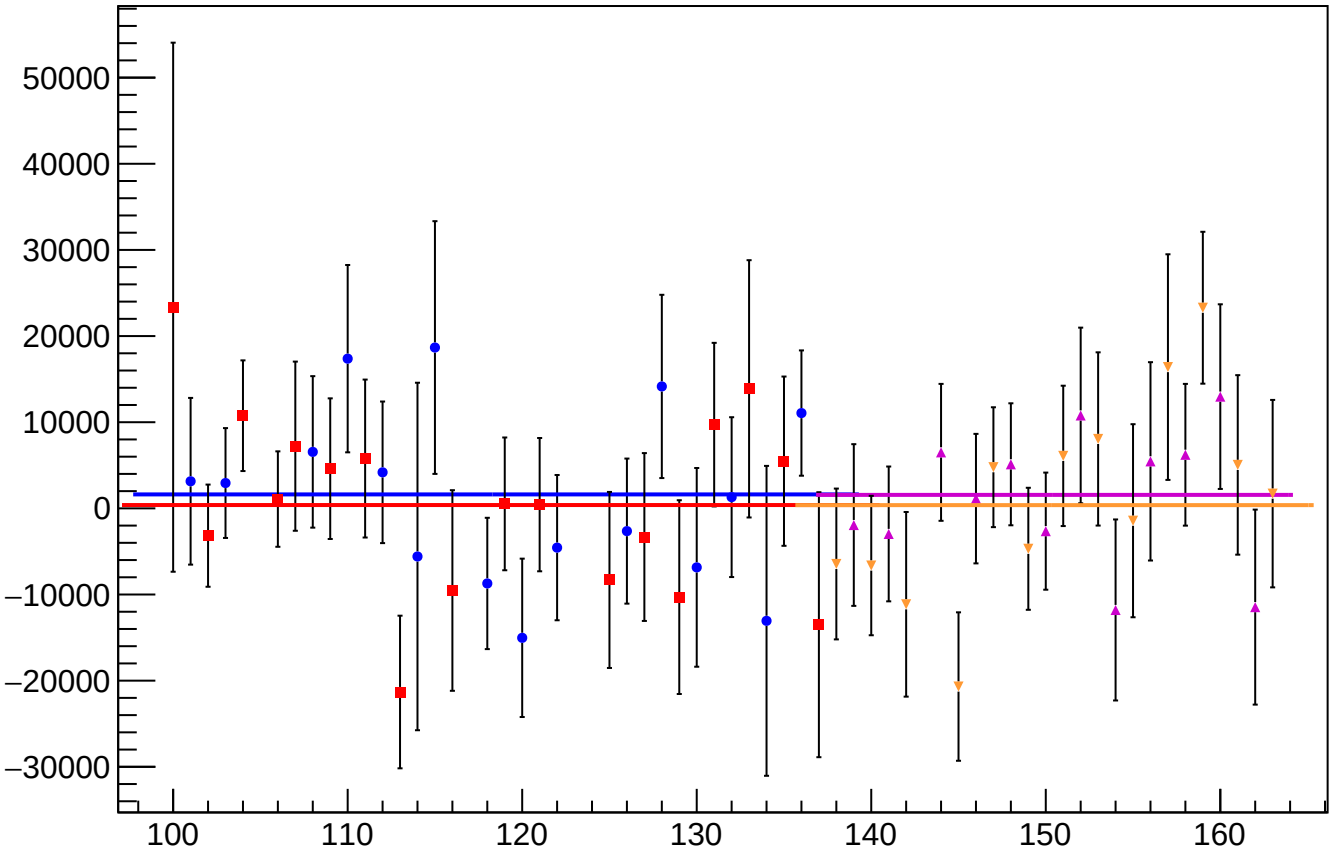
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1786.281+/-0.393 χ^2/NDF:74946.2/11

+ sign 1664.889+/-0.284 χ^2/NDF: 807980.2/28

All: 1657.196+/-0.200 χ^2/NDF: 1472980.2/58

- sign 1649.572+/-0.283 χ^2/NDF: 663538.3/29



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 375.303+/-2497.043 χ^2/NDF:19.0/12

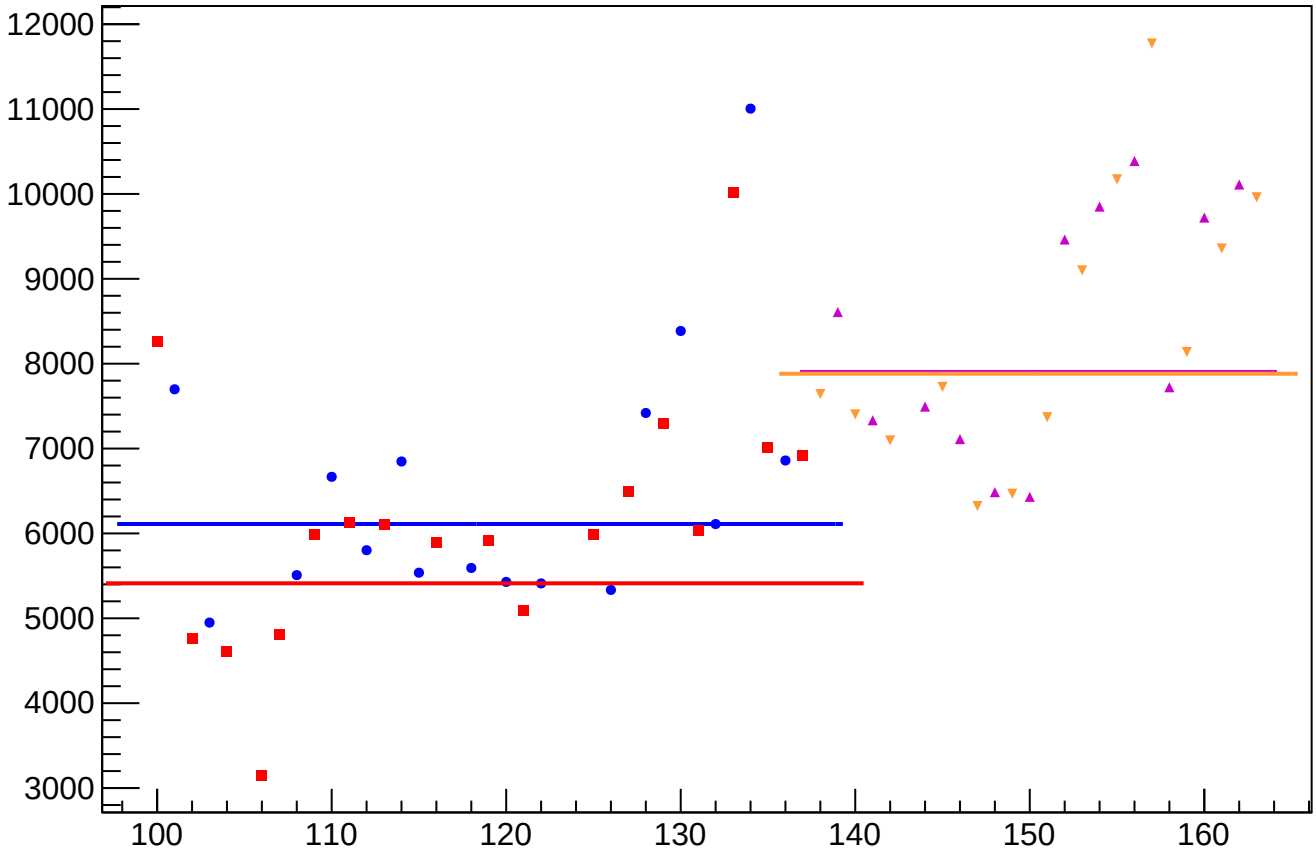
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 1564.158+/-2497.488 χ^2/NDF:6.8/11

+ sign 1043.359+/-1699.646 χ^2/NDF: 33.4/28

All: 947.268+/-1160.958 χ^2/NDF: 56.3/58

- sign 863.221+/-1589.561 χ^2/NDF: 23.0/29



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7881.564+/-1.766 χ^2/NDF:612216.6/12

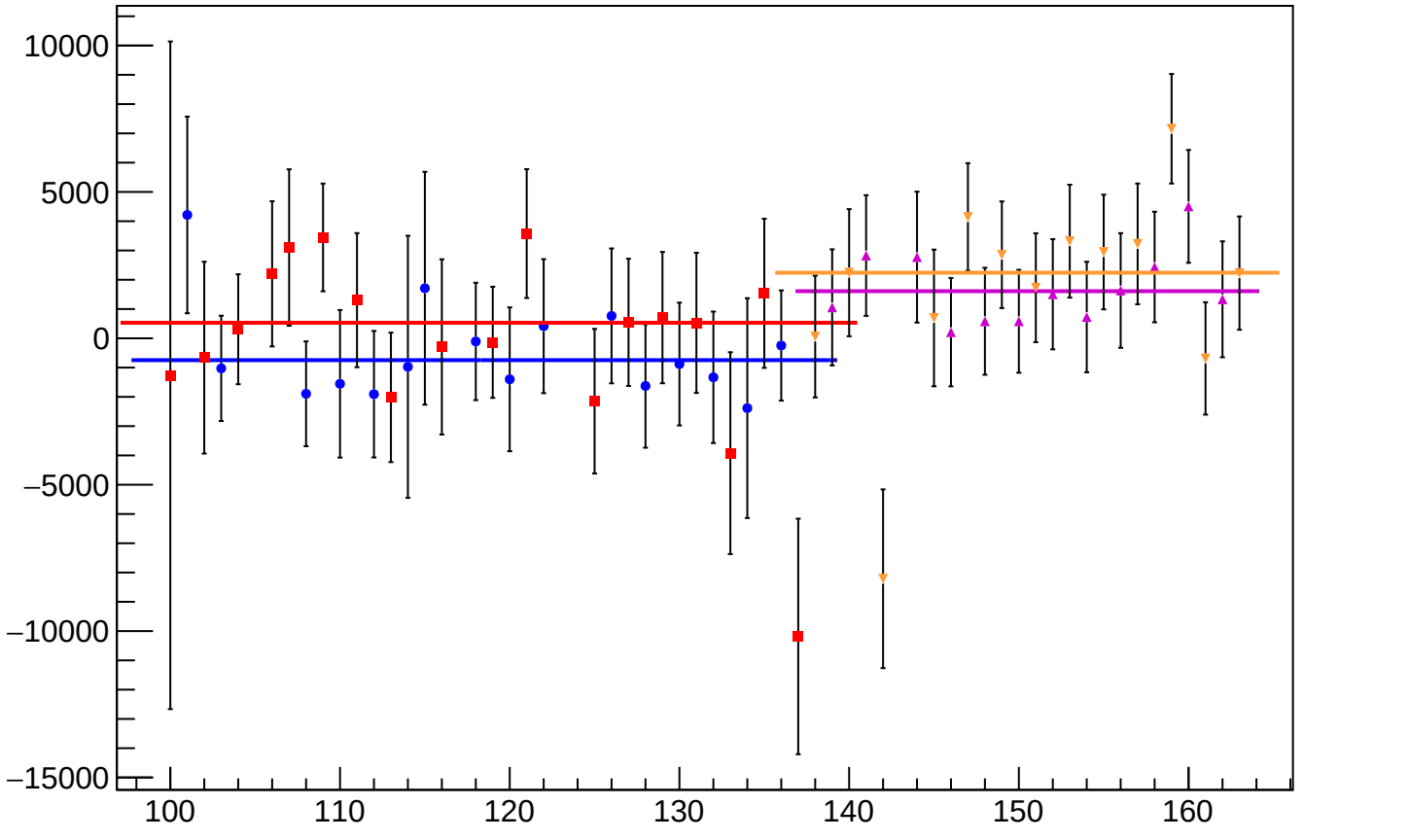
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7902.531+/-1.766 χ^2/NDF:566673.2/11

+ sign 6931.327+/-1.202 χ^2/NDF: 1623528.5/28

All: 6659.126+/-0.821 χ^2/NDF: 4290842.8/58

- sign 6421.044+/-1.124 χ^2/NDF: 2571149.9/29



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 2241.578+/-558.071 χ^2/NDF:24.4/12

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

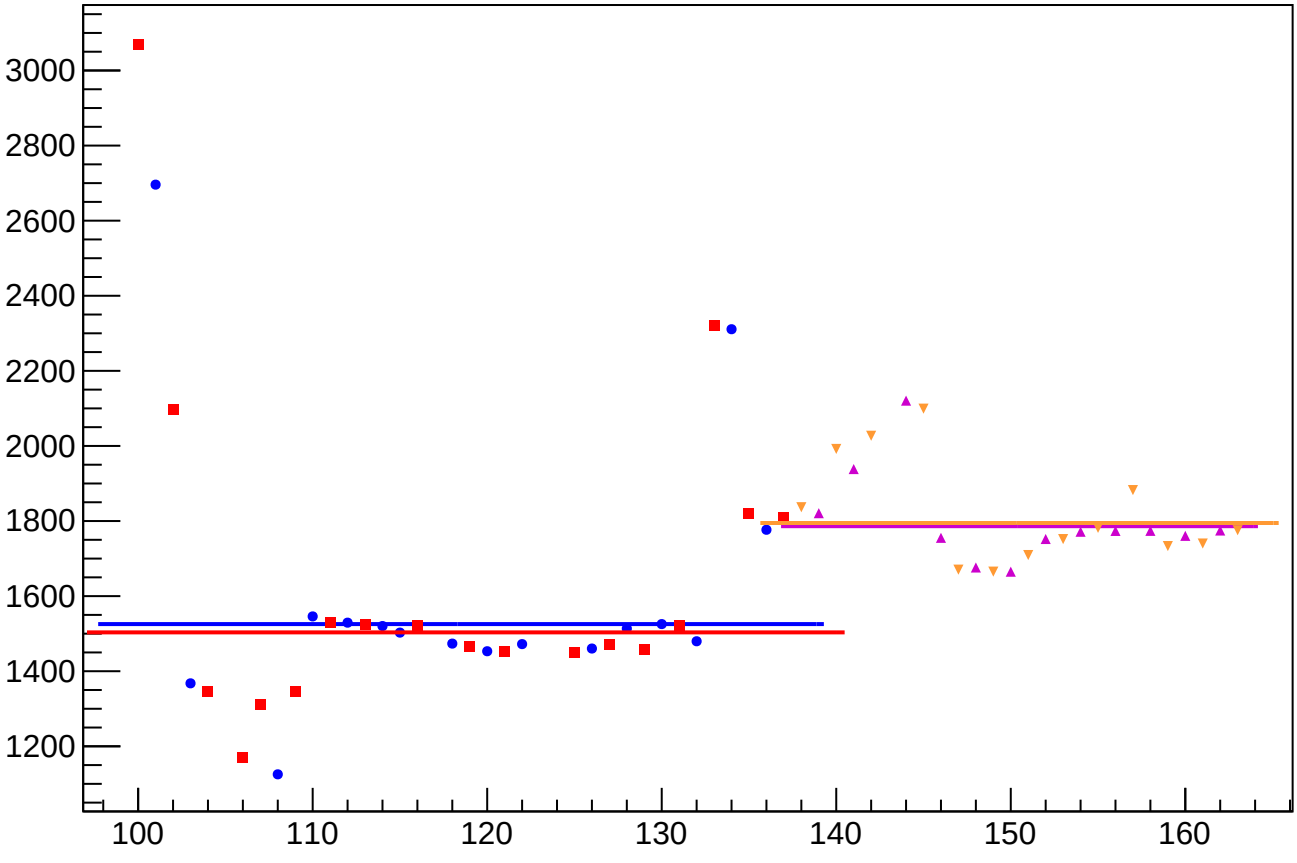
Left In: 1609.660+/-556.090 χ^2/NDF:4.6/11

+ sign 800.403+/-401.500 χ^2/NDF: 43.0/28

All: 945.129+/-283.290 χ^2/NDF: 67.4/58

- sign 1088.612+/-399.772 χ^2/NDF: 24.2/29

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: 1794.769+/-0.395 χ^2/NDF:95106.0/12

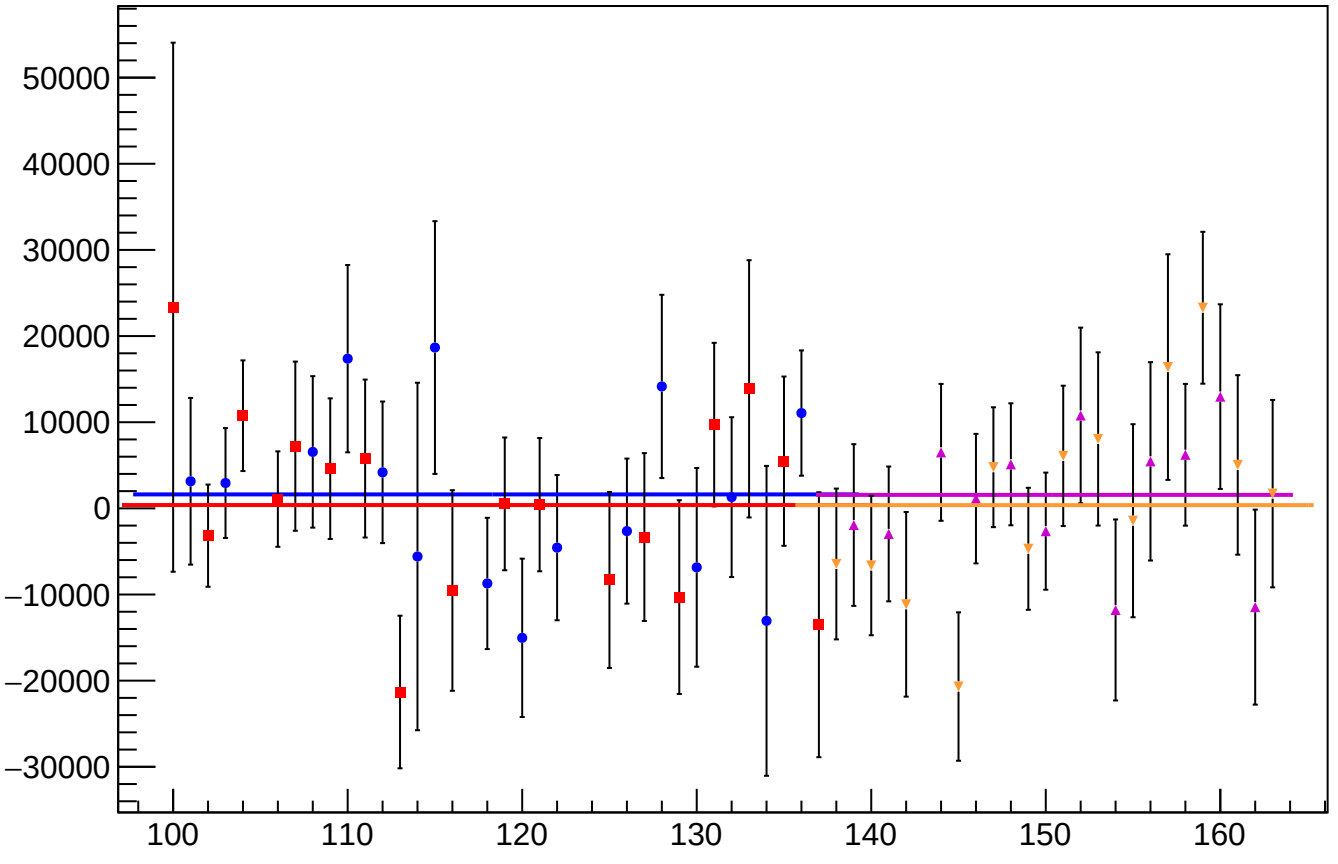
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1786.284+/-0.393 χ^2/NDF:74946.3/11

+ sign 1664.890+/-0.284 χ^2/NDF: 807985.3/28

All: 1657.198+/-0.200 χ^2/NDF: 1472990.1/58

- sign 1649.574+/-0.283 χ^2/NDF: 663543.0/29



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 375.306+/-2497.046 χ^2/NDF:19.0/12

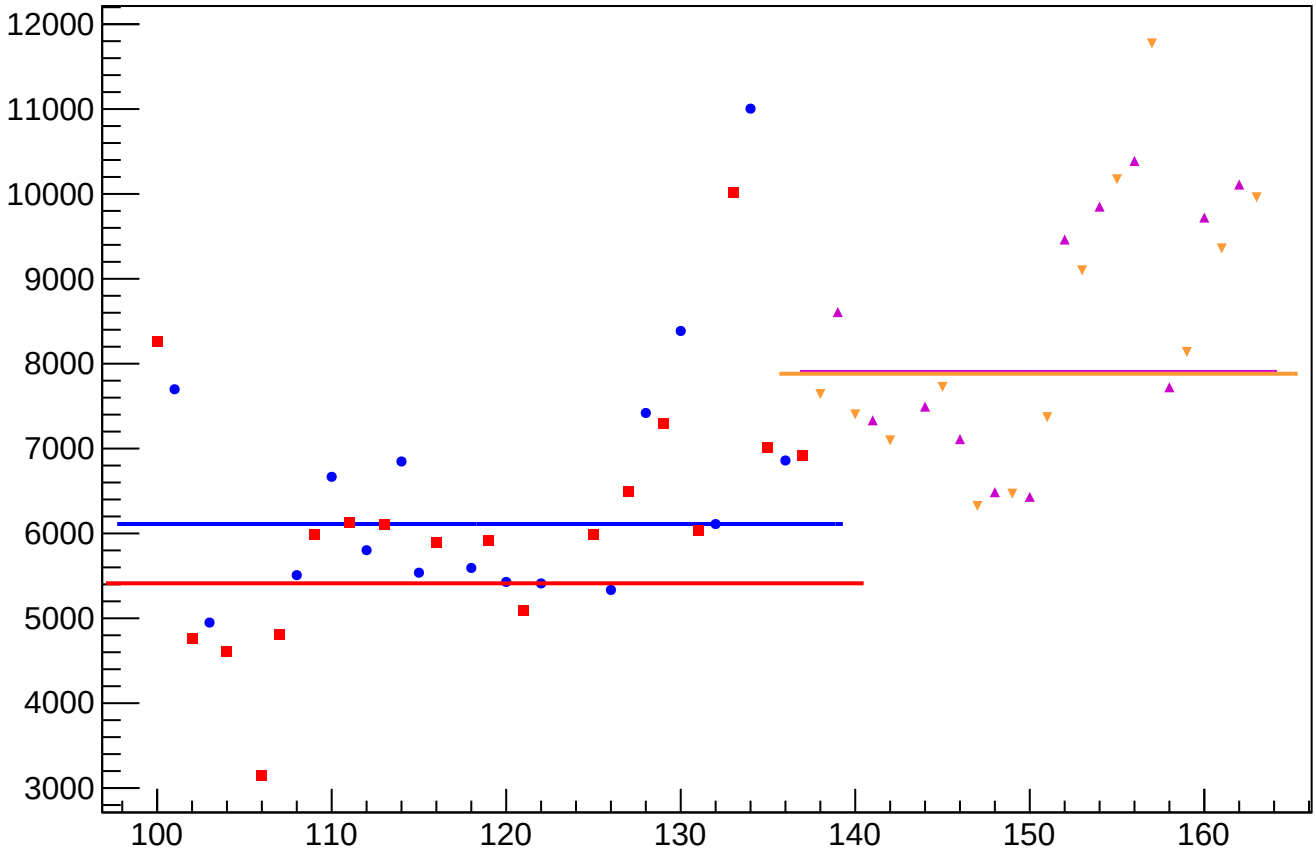
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1564.157+/-2497.491 χ^2/NDF:6.8/11

+ sign 1043.352+/-1699.645 χ^2/NDF: 33.4/28

All: 947.265+/-1160.957 χ^2/NDF: 56.3/58

- sign 863.222+/-1589.559 χ^2/NDF: 23.0/29



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7881.574+/-1.766 χ^2/NDF:612218.0/12

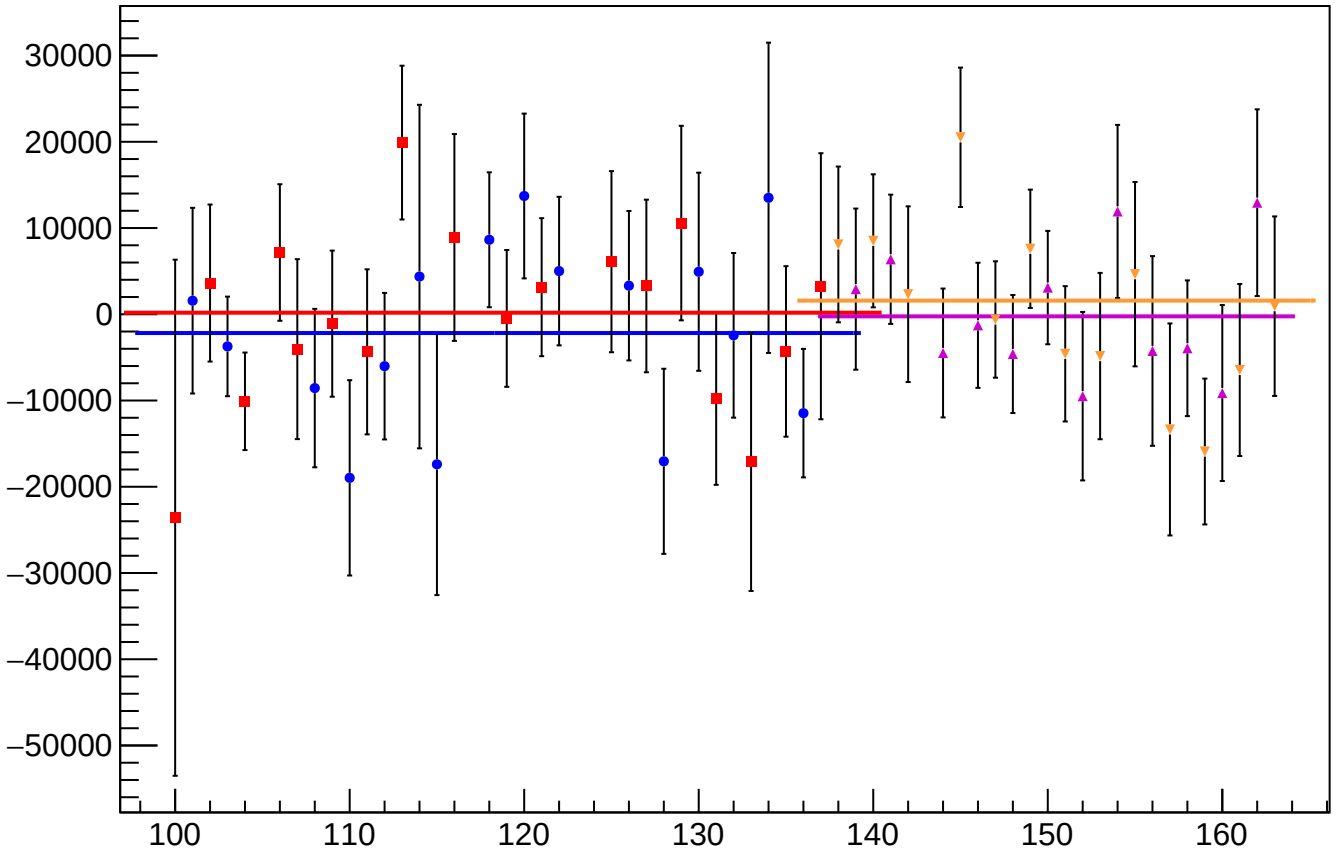
Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7902.541+/-1.766 χ^2/NDF:566673.9/11

+ sign 6931.322+/-1.202 χ^2/NDF: 1623546.8/28

All: 6659.120+/-0.821 χ^2/NDF: 4290882.7/58

- sign 6421.037+/-1.124 χ^2/NDF: 2571170.9/29



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1585.959+/-2405.028 χ^2/NDF:15.3/12

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

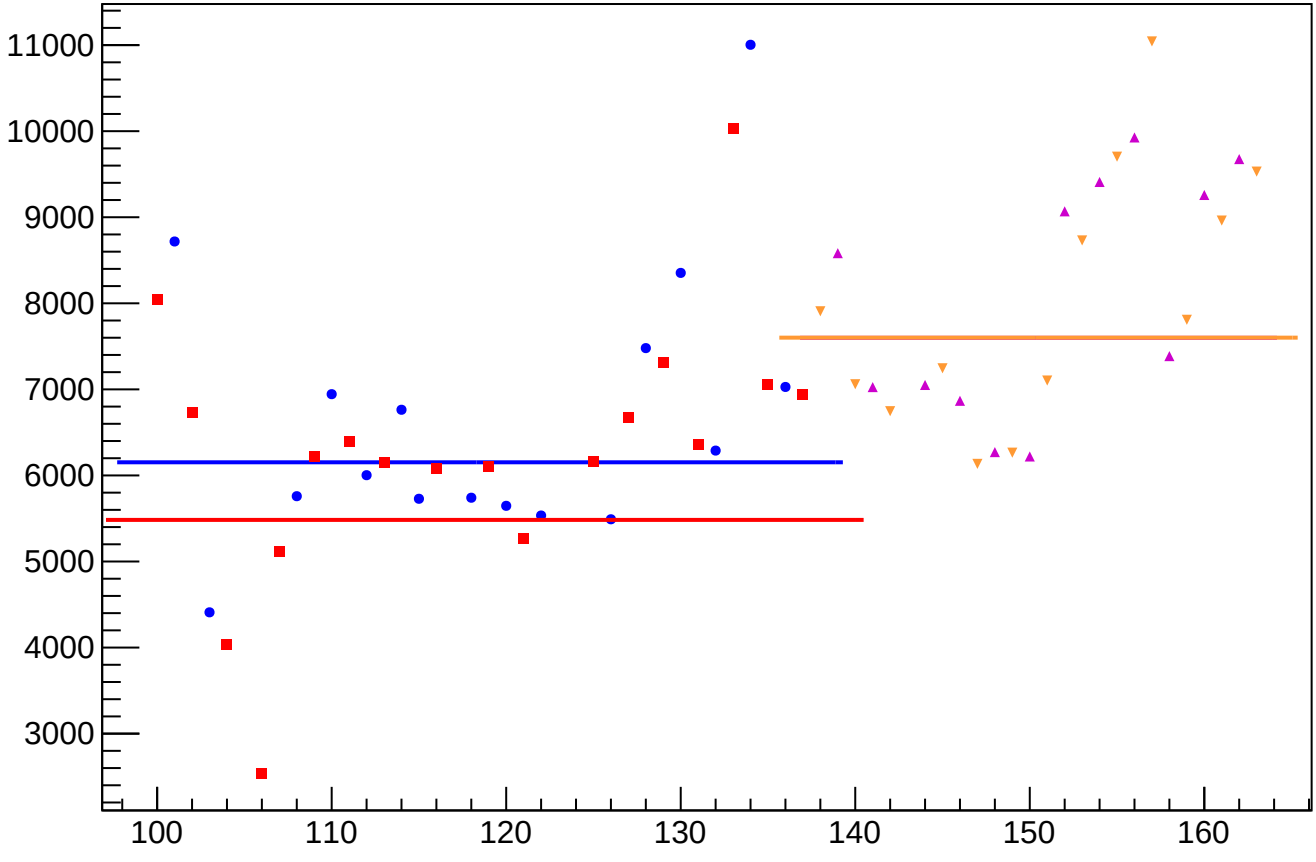
Left In: -241.113+/-2399.747 χ^2/NDF:6.9/11

+ sign -339.420+/-1679.963 χ^2/NDF: 31.1/28

All: -171.659+/-1171.003 χ^2/NDF: 52.7/58

- sign -13.122+/-1633.125 χ^2/NDF: 21.5/29

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7600.956+/-1.701 χ^2/NDF:577425.8/12

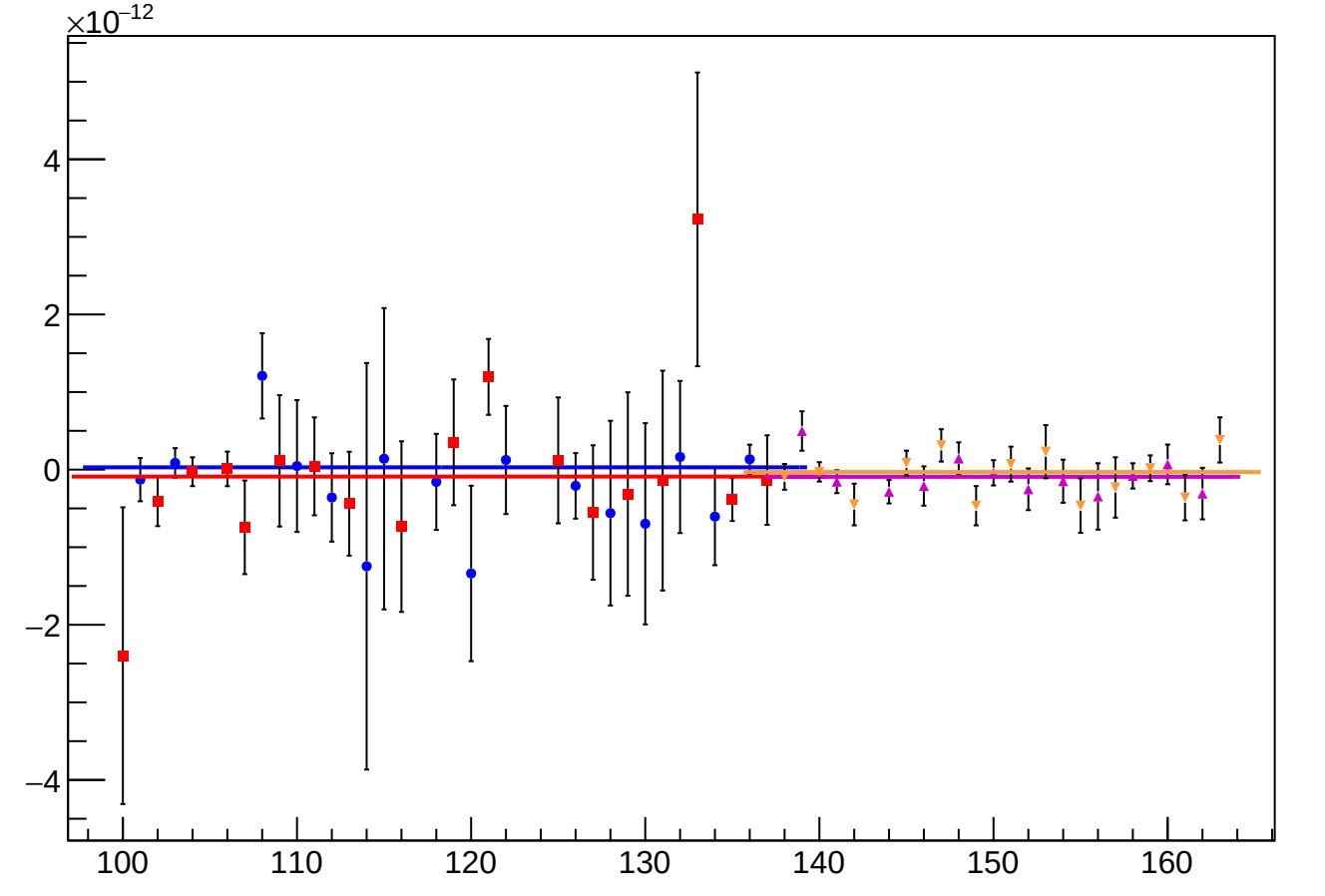
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7598.882+/-1.697 χ^2/NDF:556200.0/11

+ sign 6859.341+/-1.188 χ^2/NDF: 1572831.1/28

All: 6631.580+/-0.819 χ^2/NDF: 4210530.1/58

- sign 6424.767+/-1.132 χ^2/NDF: 2567557.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/12

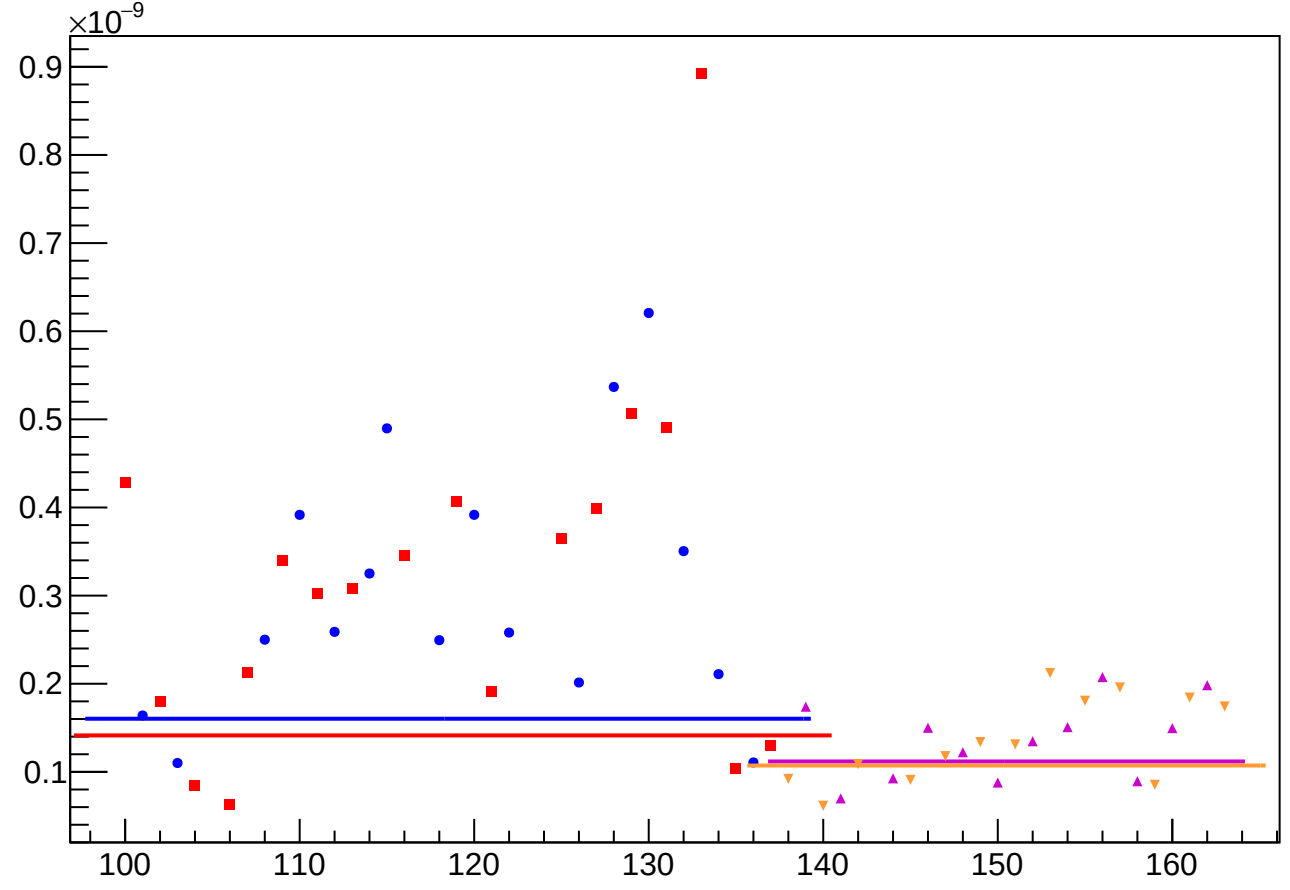
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.5/28

All: -0.000+/-0.000 χ^2/NDF: 52.4/58

- sign -0.000+/-0.000 χ^2/NDF: 26.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1012992.9/12

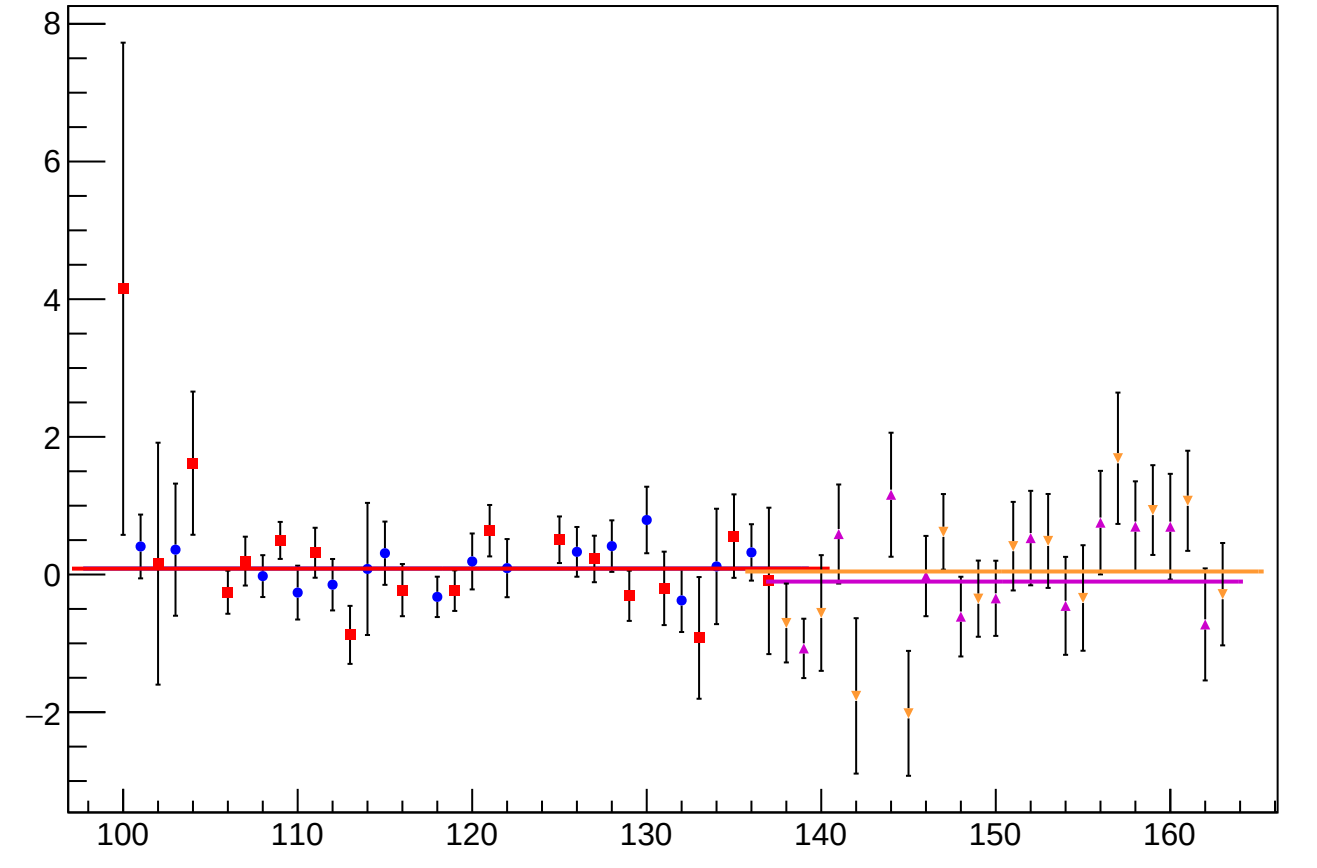
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:778173.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 2741153.4/28

All: 0.000+/-0.000 χ^2/NDF: 5808764.8/58

- sign 0.000+/-0.000 χ^2/NDF: 3067495.0/29



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

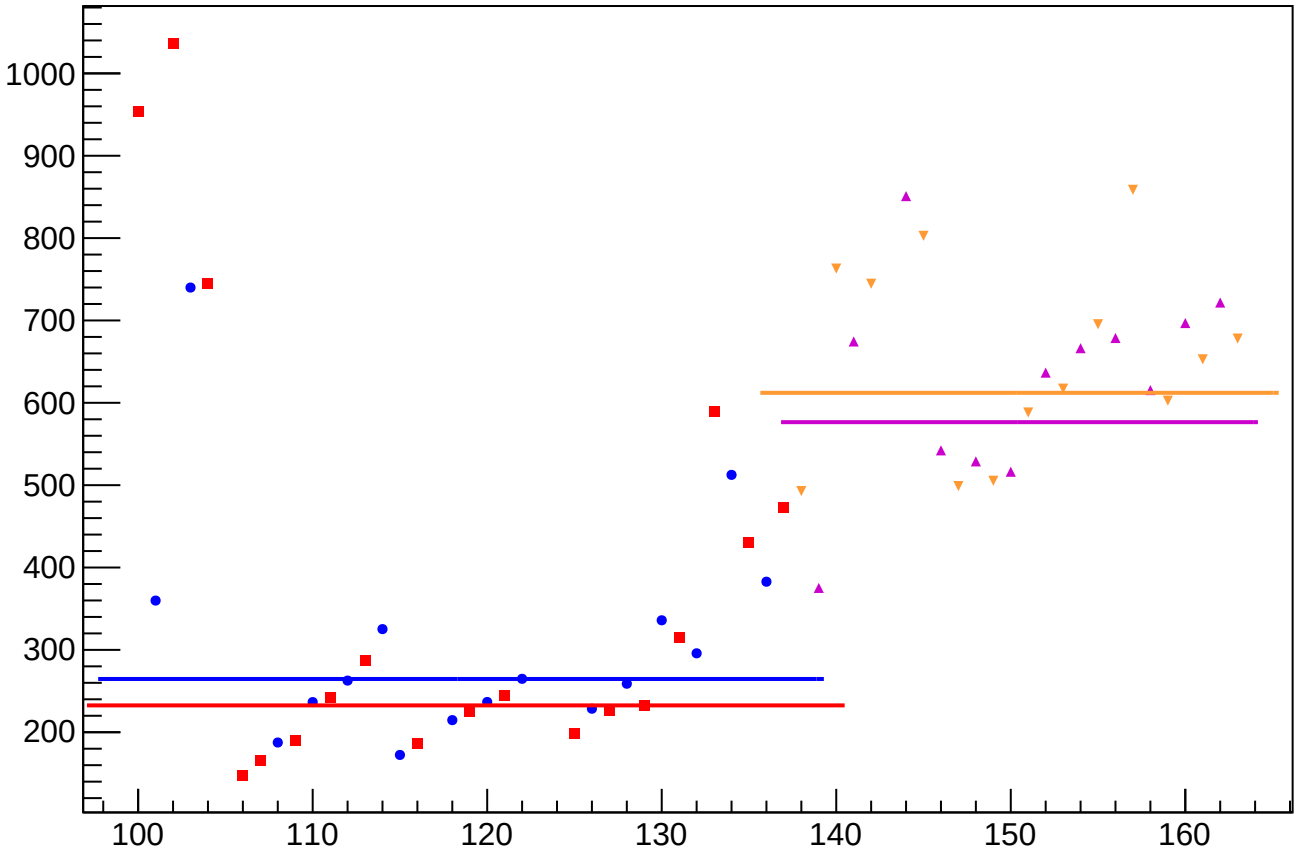
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.103+/-0.185 χ^2/NDF:14.5/11

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.060+/-0.063 χ^2/NDF: 65.6/58

- sign 0.045+/-0.086 χ^2/NDF: 37.1/29



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 612.152+/-0.137 χ^2/NDF:608943.0/12

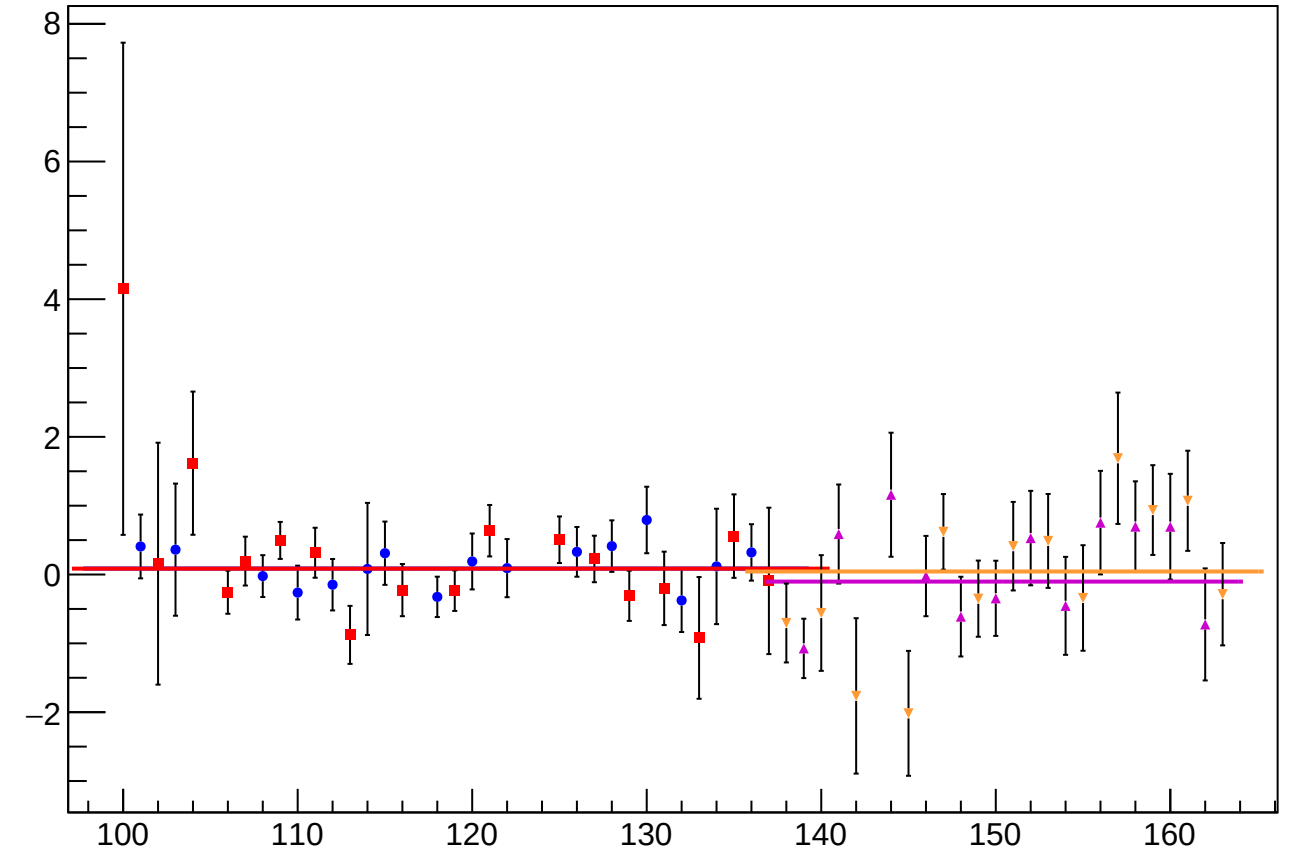
Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 576.513+/-0.131 χ^2/NDF:906971.8/11

+ sign 343.229+/-0.065 χ^2/NDF: 6837828.1/28

All: 323.910+/-0.045 χ^2/NDF: 15351846.9/58

- sign 307.131+/-0.061 χ^2/NDF: 8350788.6/29



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

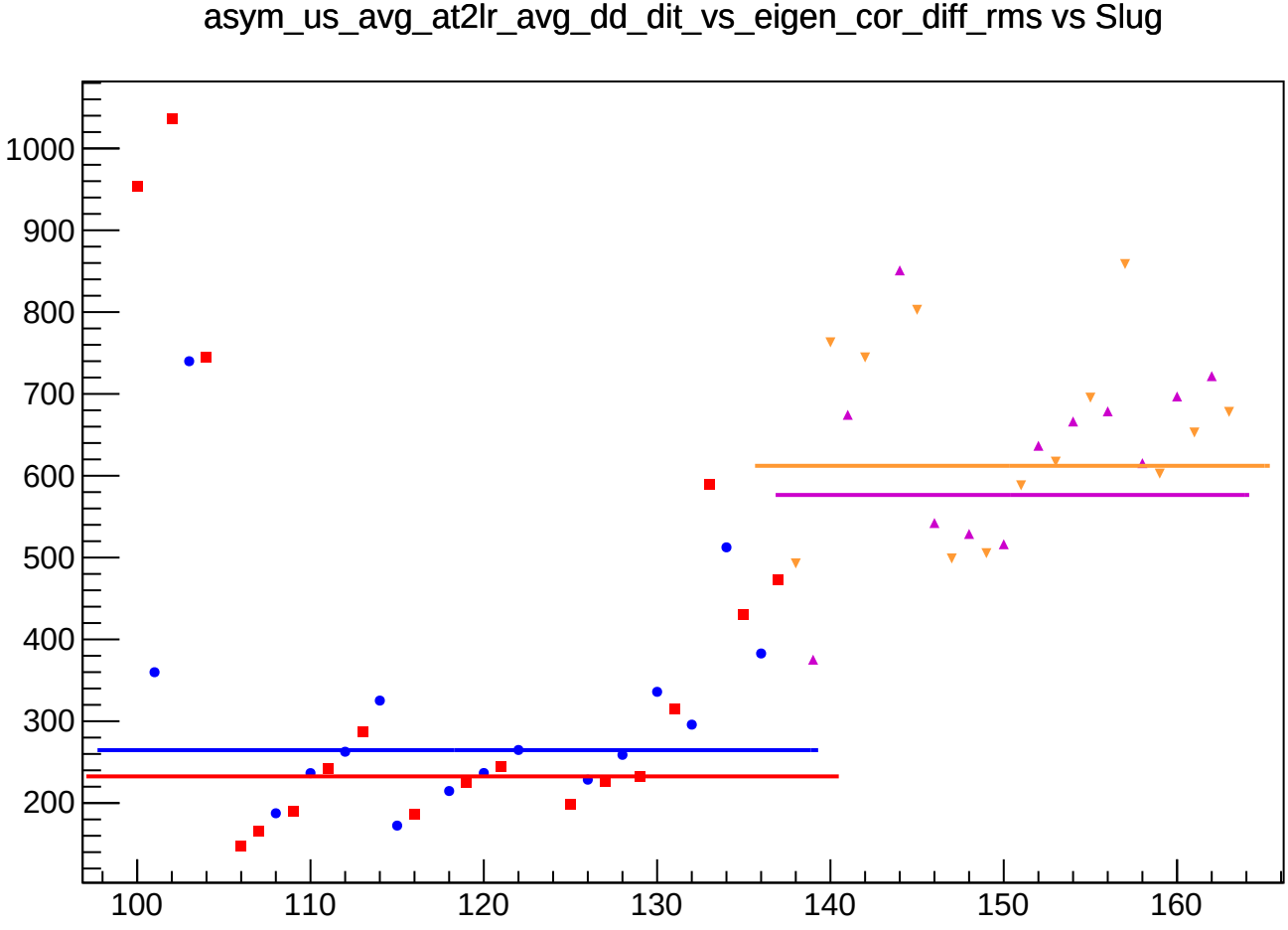
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

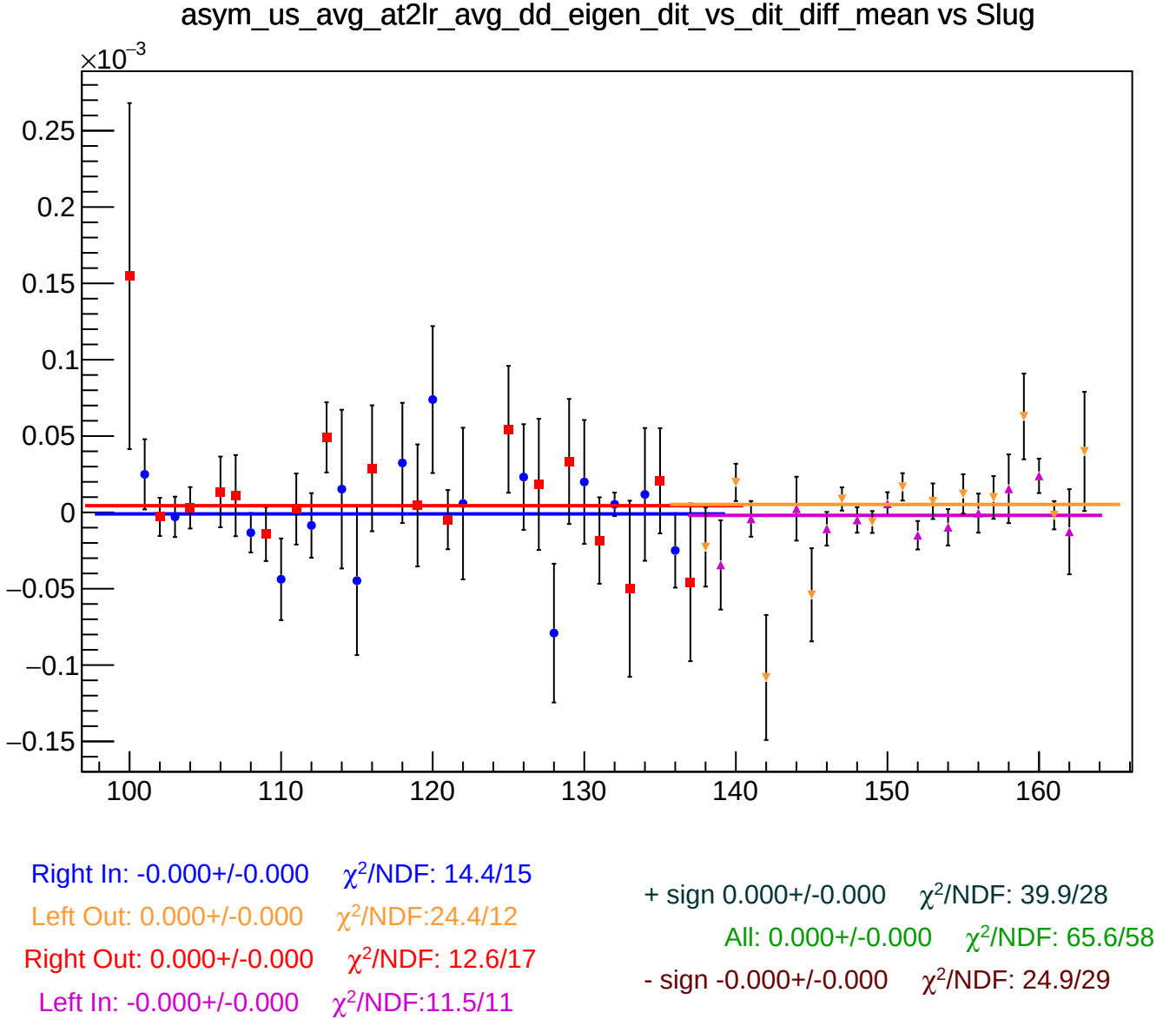
Left In: -0.103+/-0.185 χ^2/NDF:14.5/11

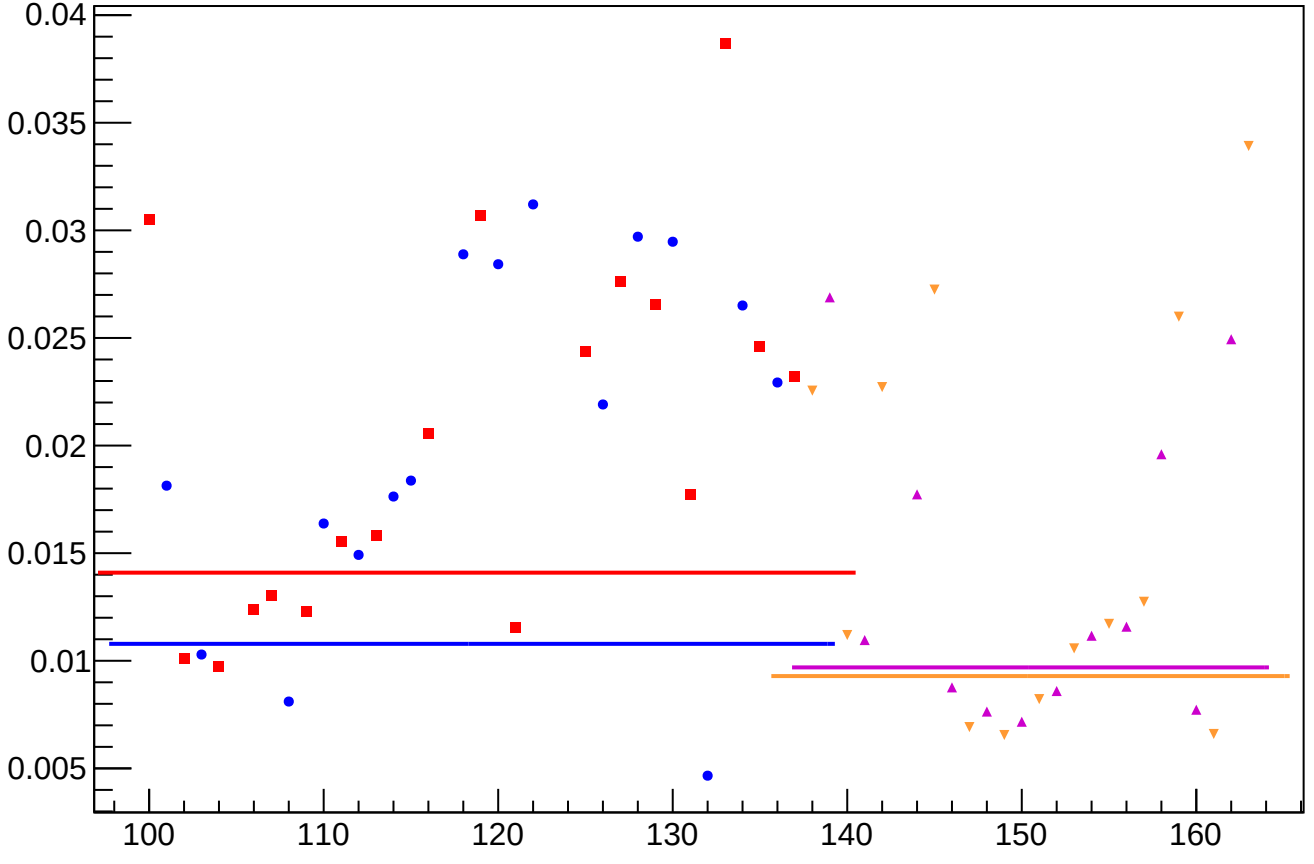
+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.060+/-0.063 χ^2/NDF: 65.6/58

- sign 0.045+/-0.086 χ^2/NDF: 37.1/29


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 612.152+/-0.137 χ²/NDF:608943.0/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 576.513+/-0.131 χ²/NDF:906971.8/11
+ sign 343.229+/-0.065 χ²/NDF: 6837828.1/28
All: 323.910+/-0.045 χ²/NDF: 15351846.9/58
- sign 307.131+/-0.061 χ²/NDF: 8350788.6/29


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
160
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.4/12
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:11.5/11
+ sign 0.000+/-0.000 χ²/NDF: 39.9/28
All: 0.000+/-0.000 χ²/NDF: 65.6/58
- sign -0.000+/-0.000 χ²/NDF: 24.9/29



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:3883883.0/12

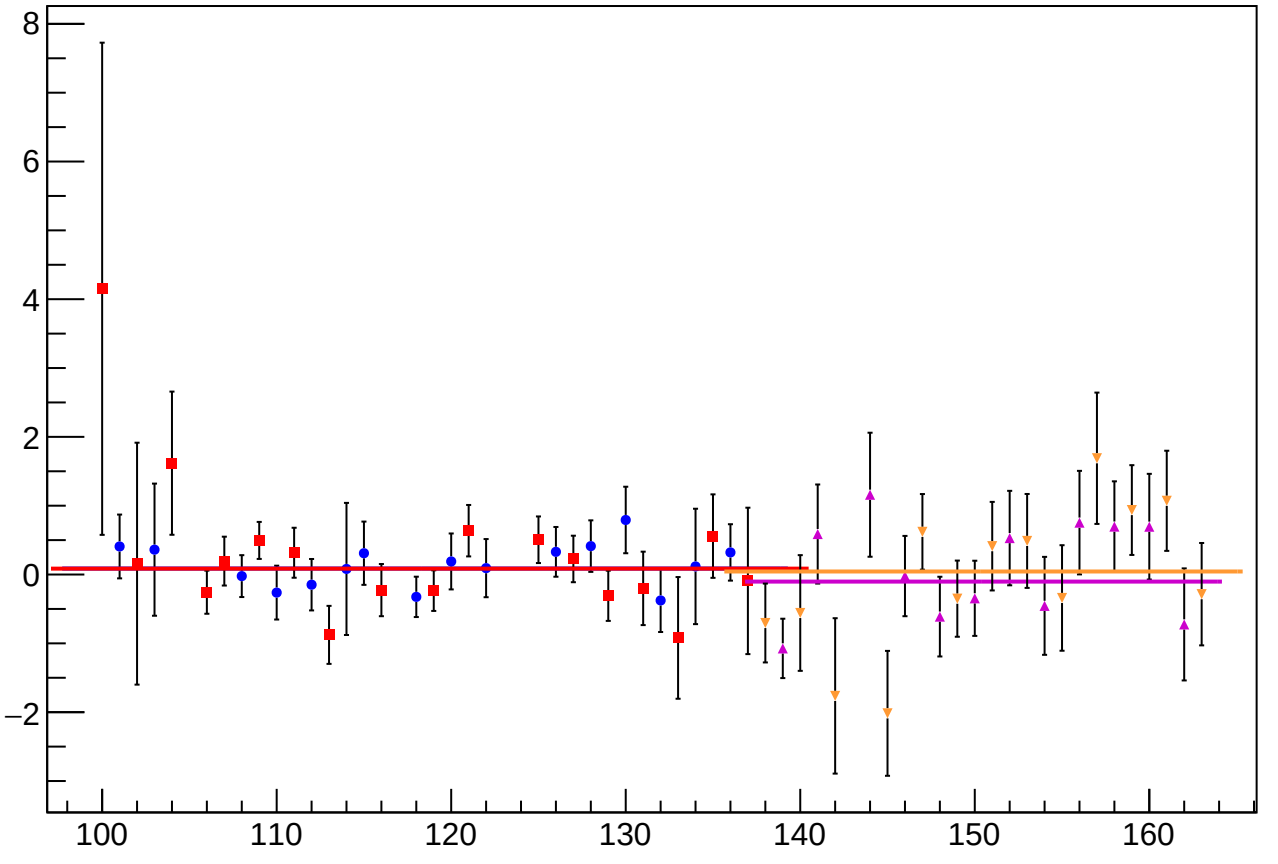
Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:2515287.0/11

+ sign 0.010+/-0.000 χ^2/NDF: 8589931.6/28

All: 0.010+/-0.000 χ^2/NDF: 14209843.1/58

- sign 0.011+/-0.000 χ^2/NDF: 5473337.7/29



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

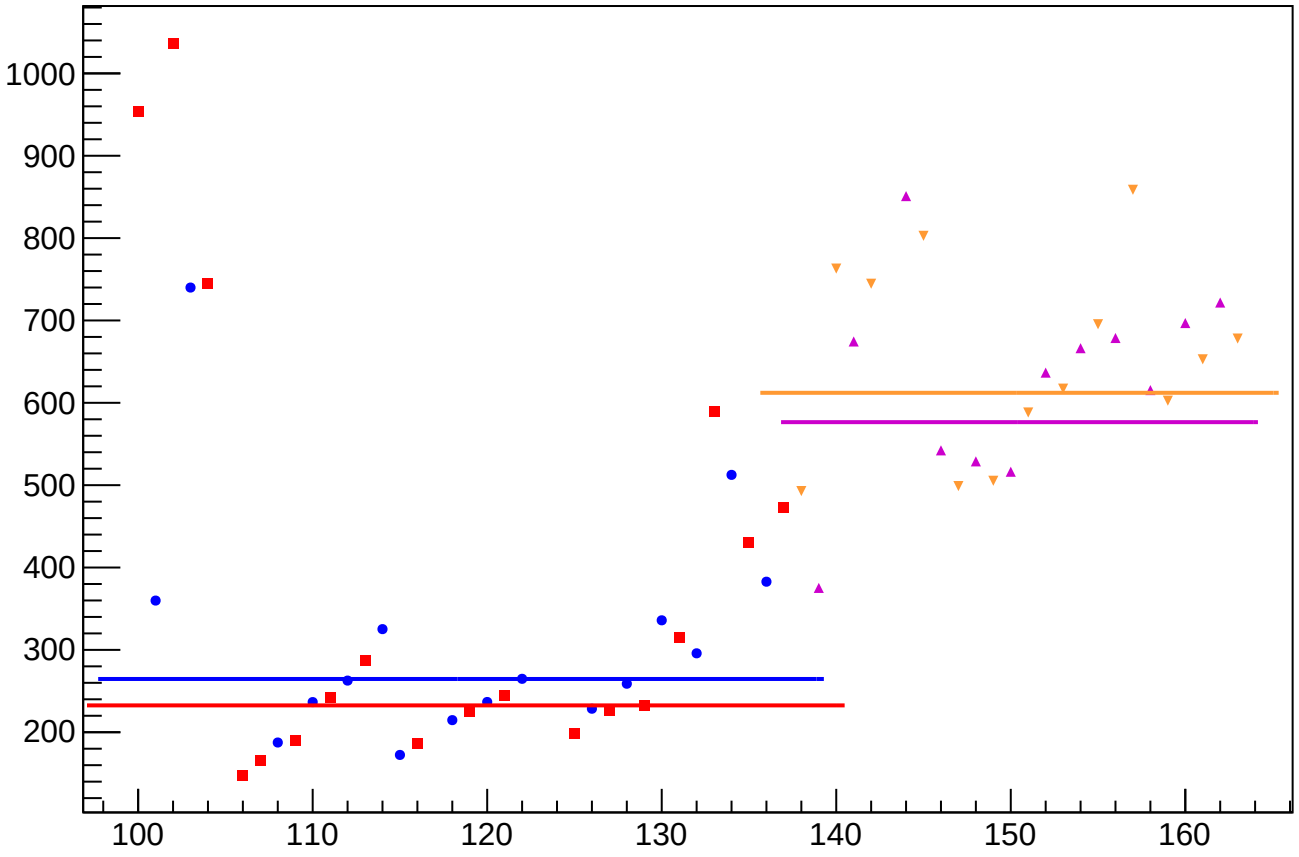
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.103+/-0.185 χ^2/NDF:14.5/11

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.060+/-0.063 χ^2/NDF: 65.6/58

- sign 0.045+/-0.086 χ^2/NDF: 37.1/29



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 612.160+/-0.137 χ^2/NDF:608956.7/12

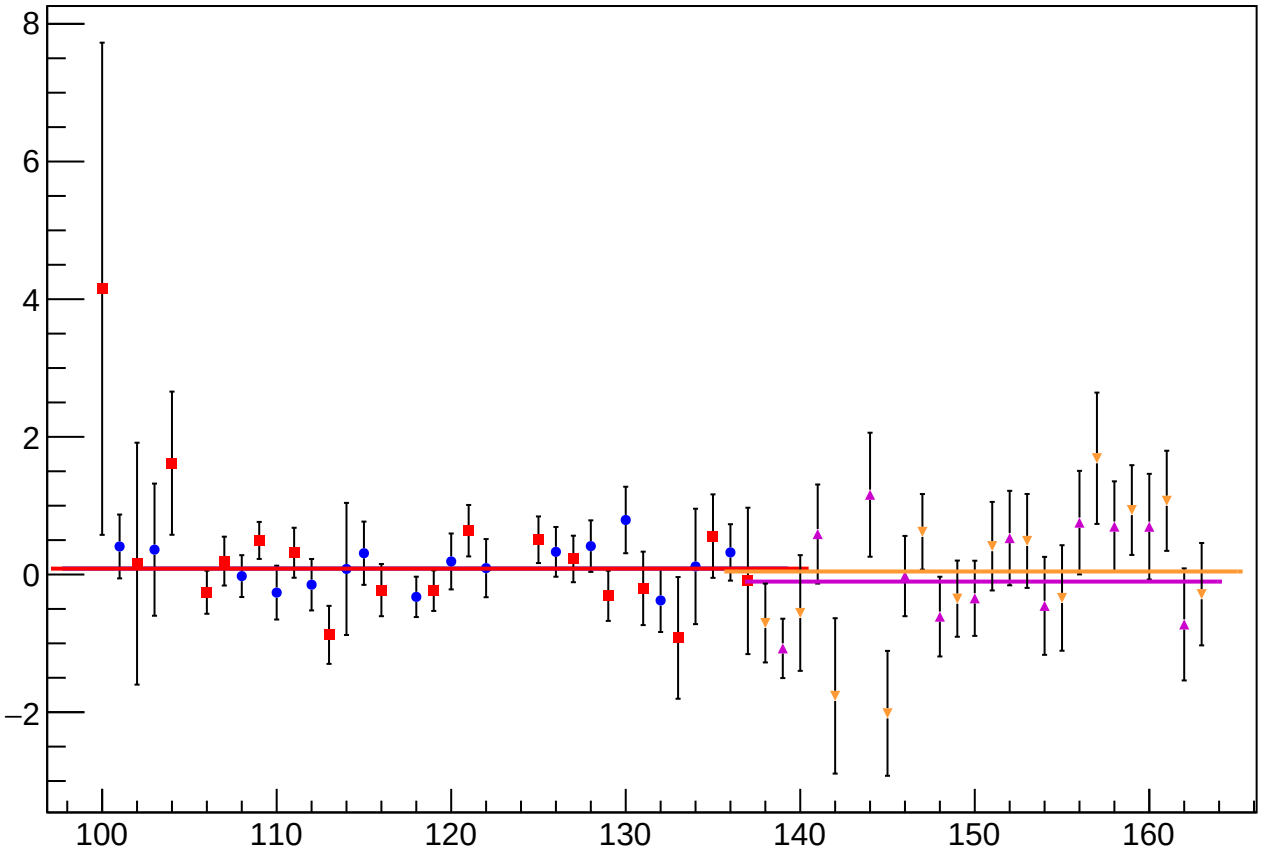
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 576.521+/-0.131 χ^2/NDF:906946.5/11

+ sign 343.229+/-0.065 χ^2/NDF: 6837941.9/28

All: 323.910+/-0.045 χ^2/NDF: 15352032.6/58

- sign 307.132+/-0.061 χ^2/NDF: 8350871.4/29



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

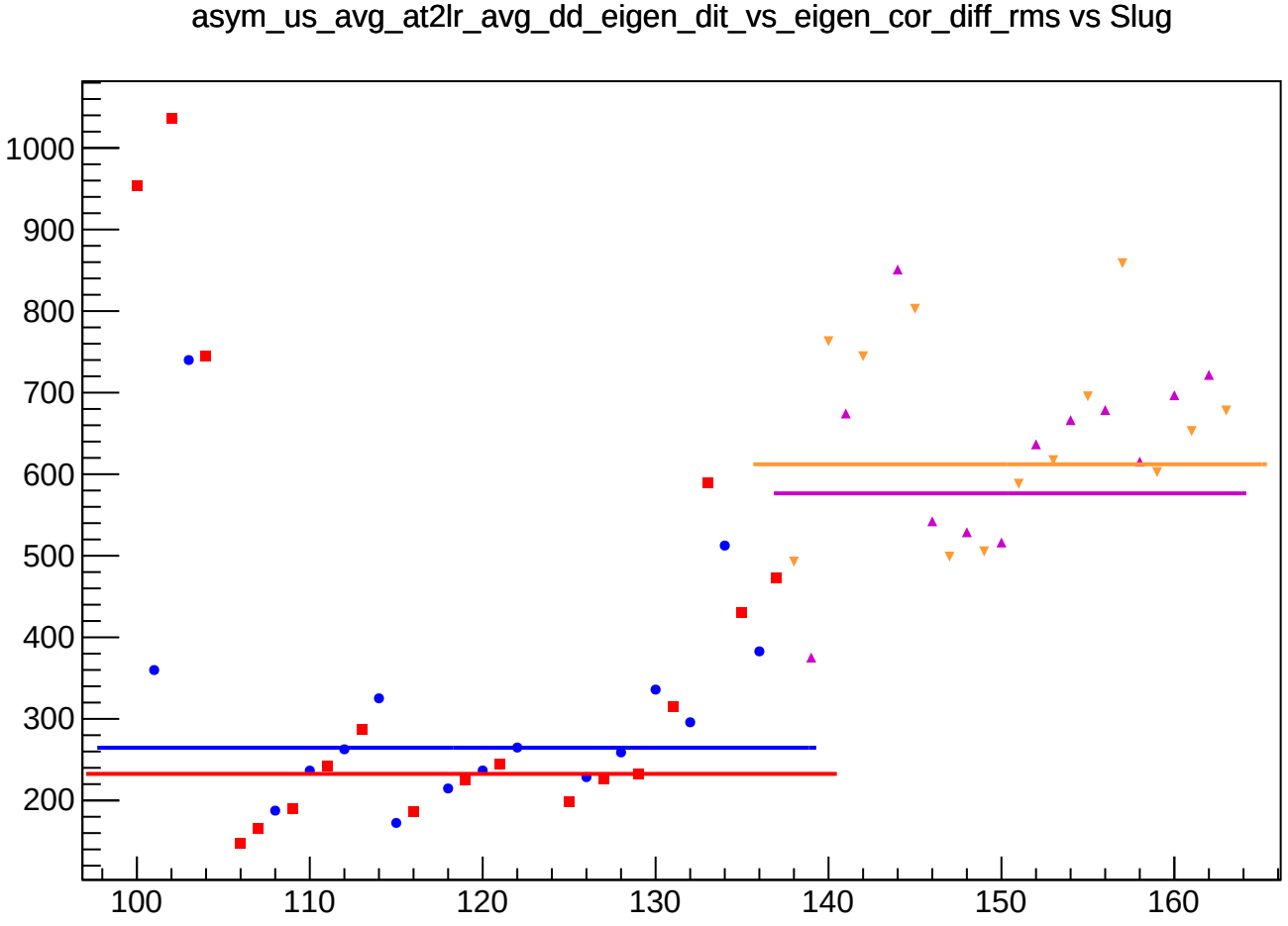
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.103+/-0.185 χ^2/NDF:14.5/11

+ sign 0.077+/-0.092 χ^2/NDF: 28.5/28

All: 0.060+/-0.063 χ^2/NDF: 65.6/58

- sign 0.045+/-0.086 χ^2/NDF: 37.1/29



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 612.160+/-0.137 χ^2/NDF:608956.7/12

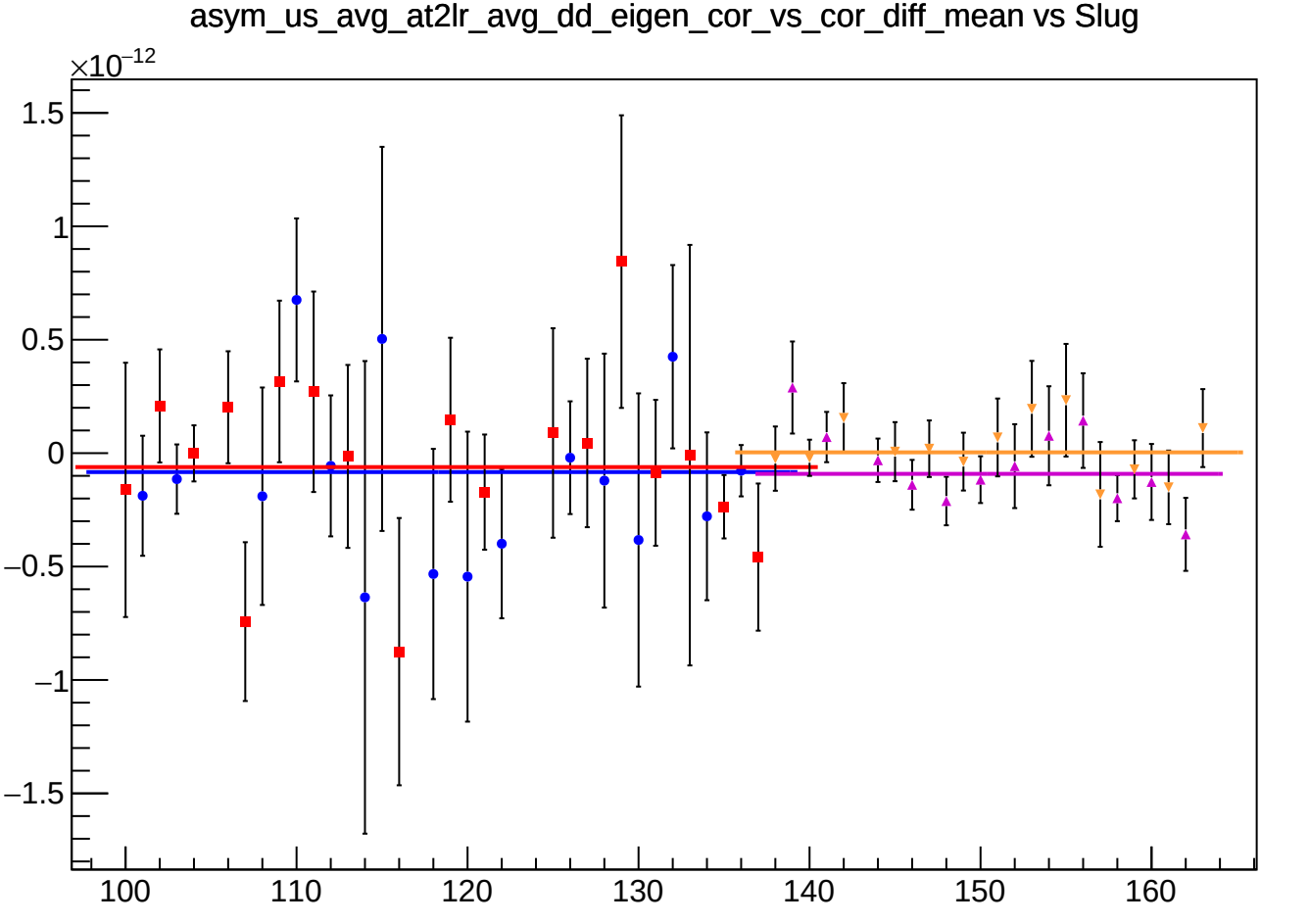
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 576.521+/-0.131 χ^2/NDF:906946.5/11

+ sign 343.229+/-0.065 χ^2/NDF: 6837941.9/28

All: 323.910+/-0.045 χ^2/NDF: 15352032.6/58

- sign 307.132+/-0.061 χ^2/NDF: 8350871.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/12

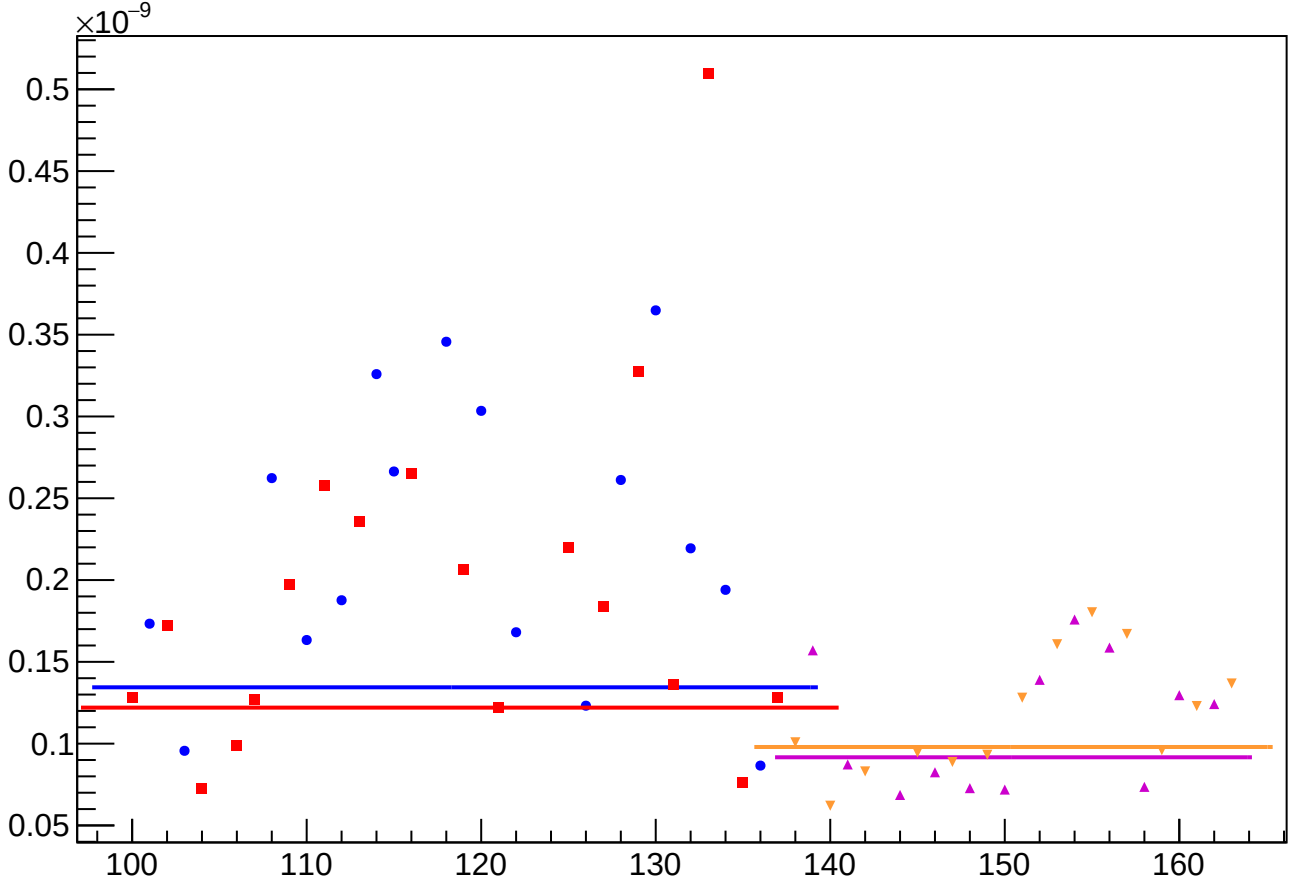
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 16.3/28

All: -0.000+/-0.000 χ^2/NDF: 47.5/58

- sign -0.000+/-0.000 χ^2/NDF: 29.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1226704.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

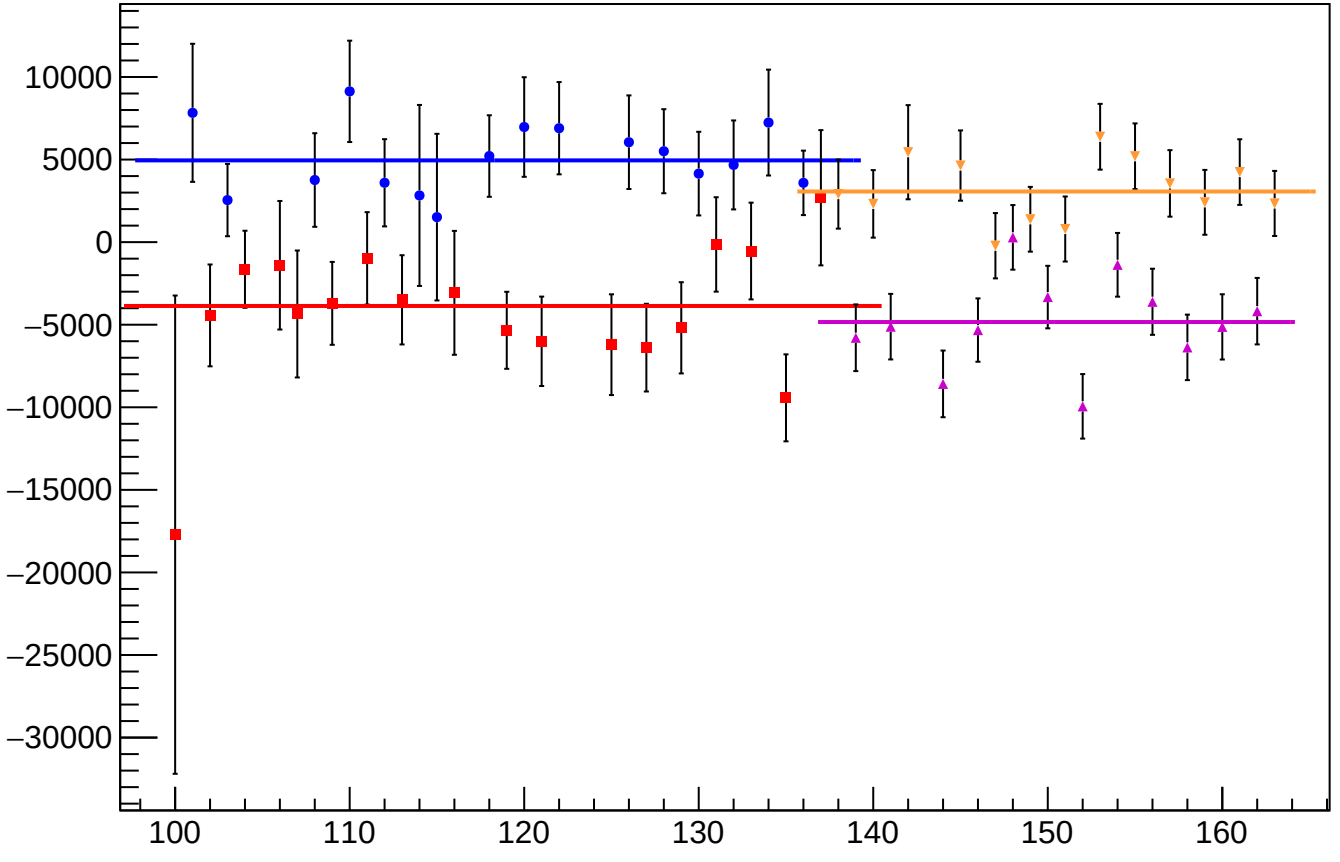
Left In: 0.000+/-0.000 χ^2/NDF:1359406.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3465556.2/28

All: 0.000+/-0.000 χ^2/NDF: 7213123.9/58

- sign 0.000+/-0.000 χ^2/NDF: 3695427.0/29

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.132+/-567.307 χ^2/NDF:10.8/12

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

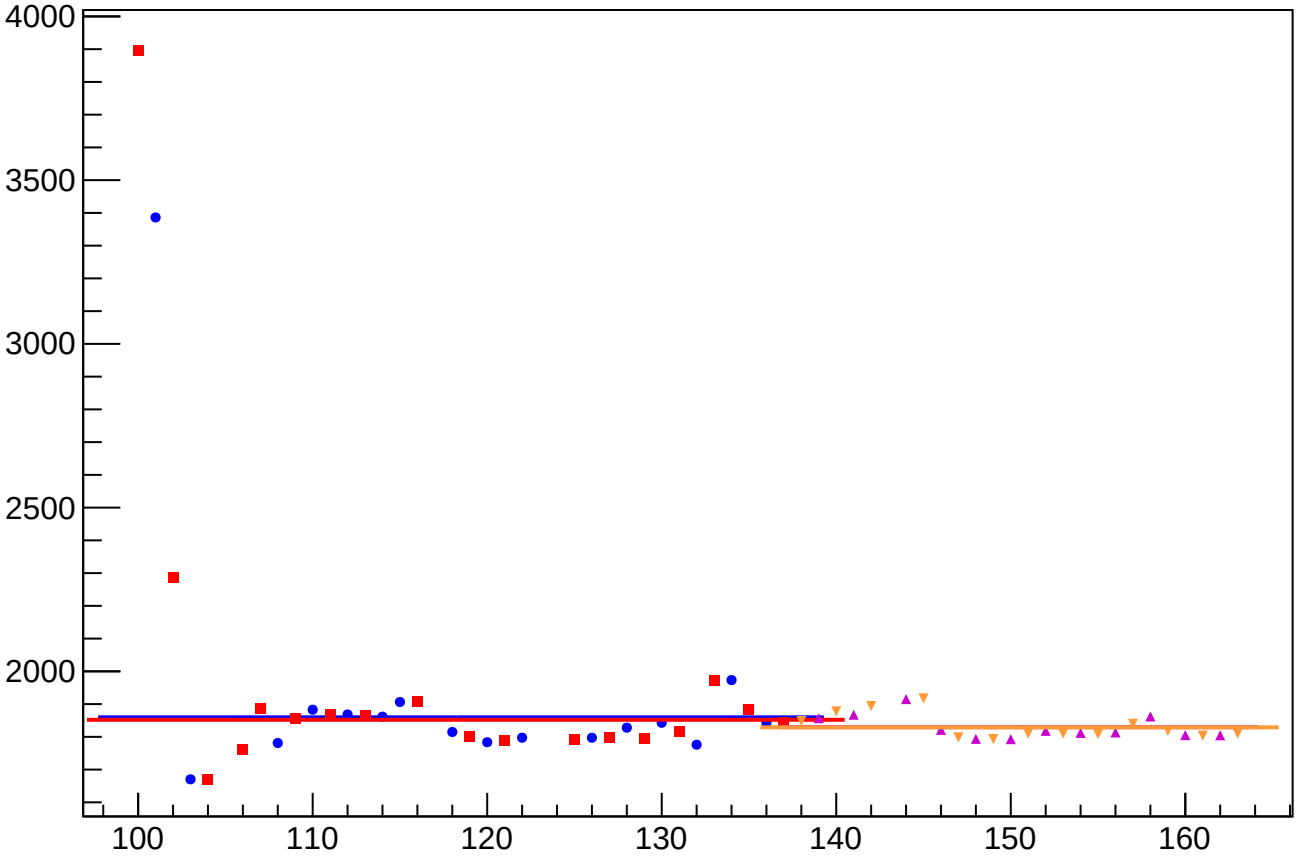
Left In: -4837.260+/-568.459 χ^2/NDF:22.4/11

+ sign 3814.454+/-440.474 χ^2/NDF: 22.0/28

All: -319.250+/-311.371 χ^2/NDF: 237.8/58

- sign -4448.121+/-440.216 χ^2/NDF: 39.8/29

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

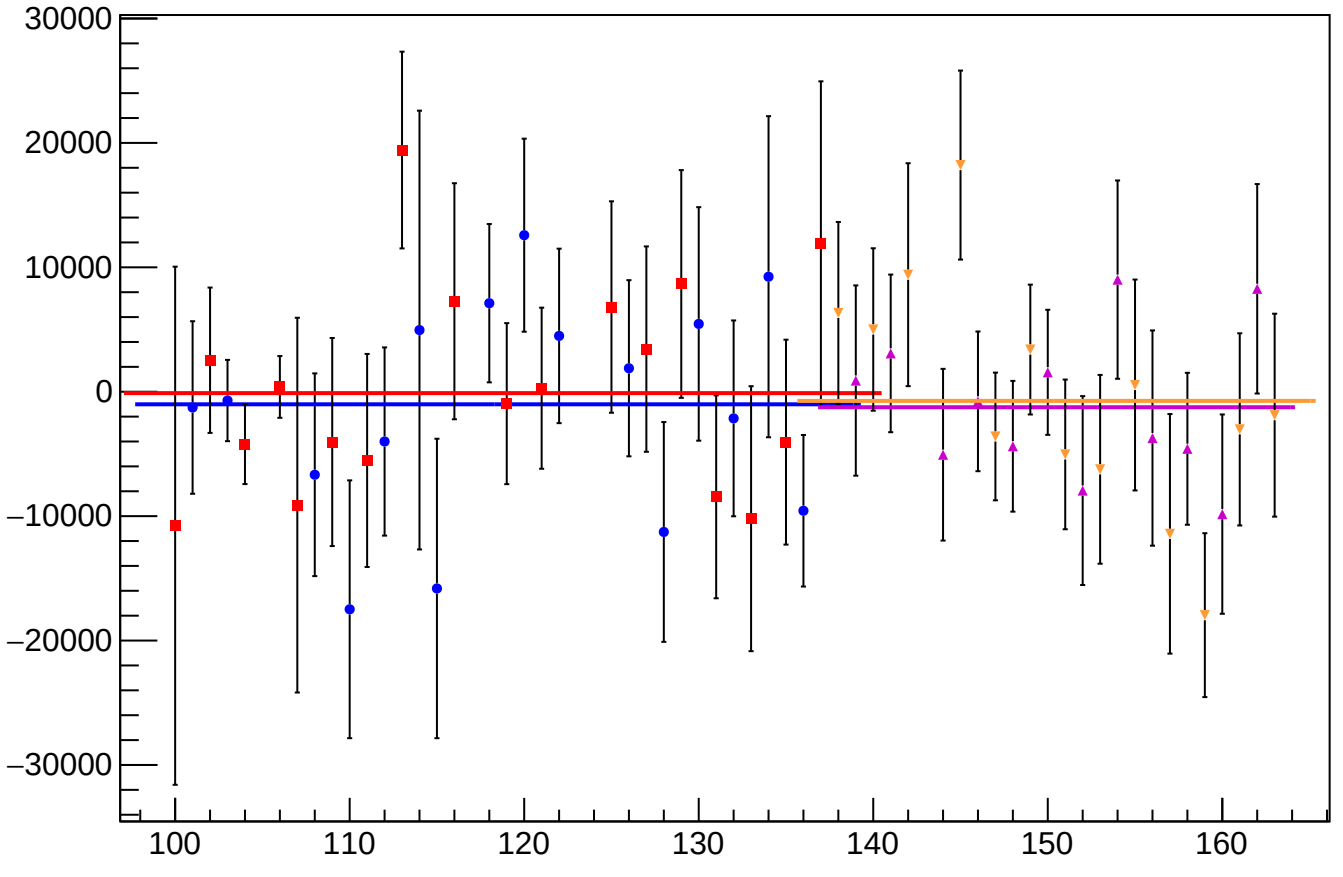
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

+ sign 1841.113+/-0.311 χ^2/NDF: 302785.4/28

All: 1839.860+/-0.220 χ^2/NDF: 413961.2/58

- sign 1838.611+/-0.311 χ^2/NDF: 111143.5/29



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -734.742+/-1920.278 χ^2/NDF:19.4/12

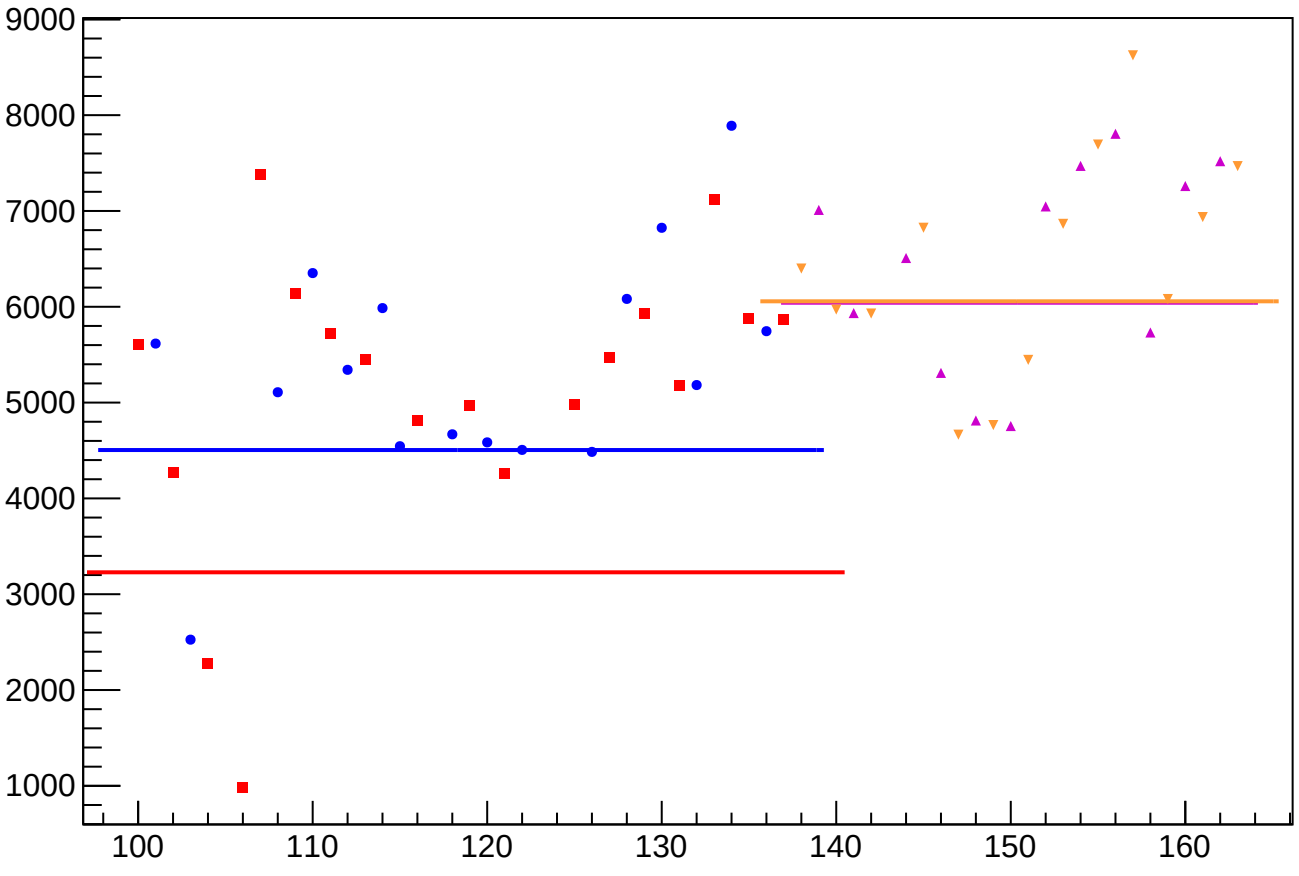
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1245.633+/-1912.085 χ^2/NDF:6.8/11

+ sign -884.168+/-1299.149 χ^2/NDF: 34.1/28

All: -680.619+/-860.899 χ^2/NDF: 55.8/58

- sign -521.256+/-1149.526 χ^2/NDF: 21.6/29



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6057.019+/-1.358 χ^2/NDF:641108.5/12

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

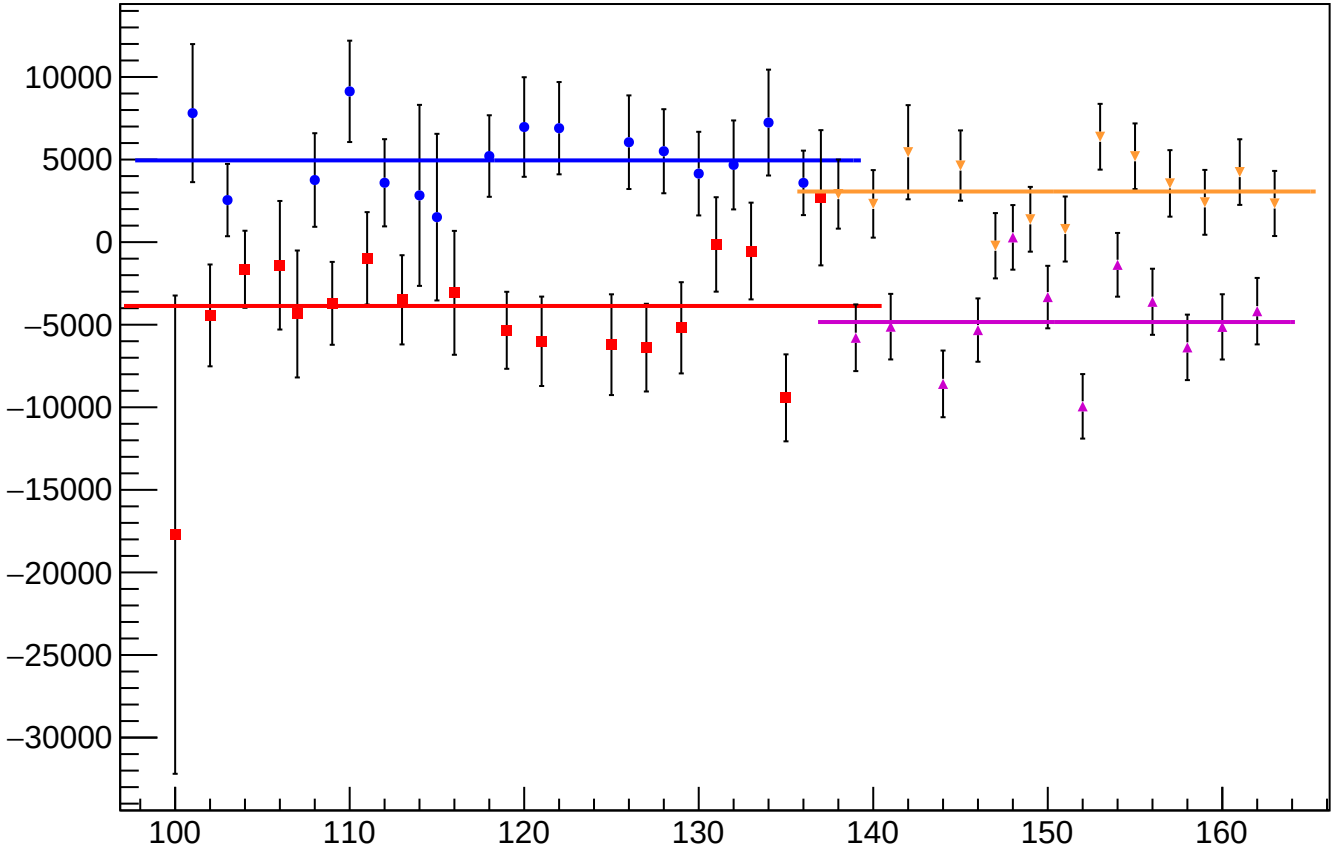
Left In: 6042.281+/-1.352 χ^2/NDF:611816.1/11

+ sign 5215.259+/-0.919 χ^2/NDF: 2670887.4/28

All: 4671.372+/-0.609 χ^2/NDF: 10629568.4/5

- sign 4245.550+/-0.813 χ^2/NDF: 7333707.2/29

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

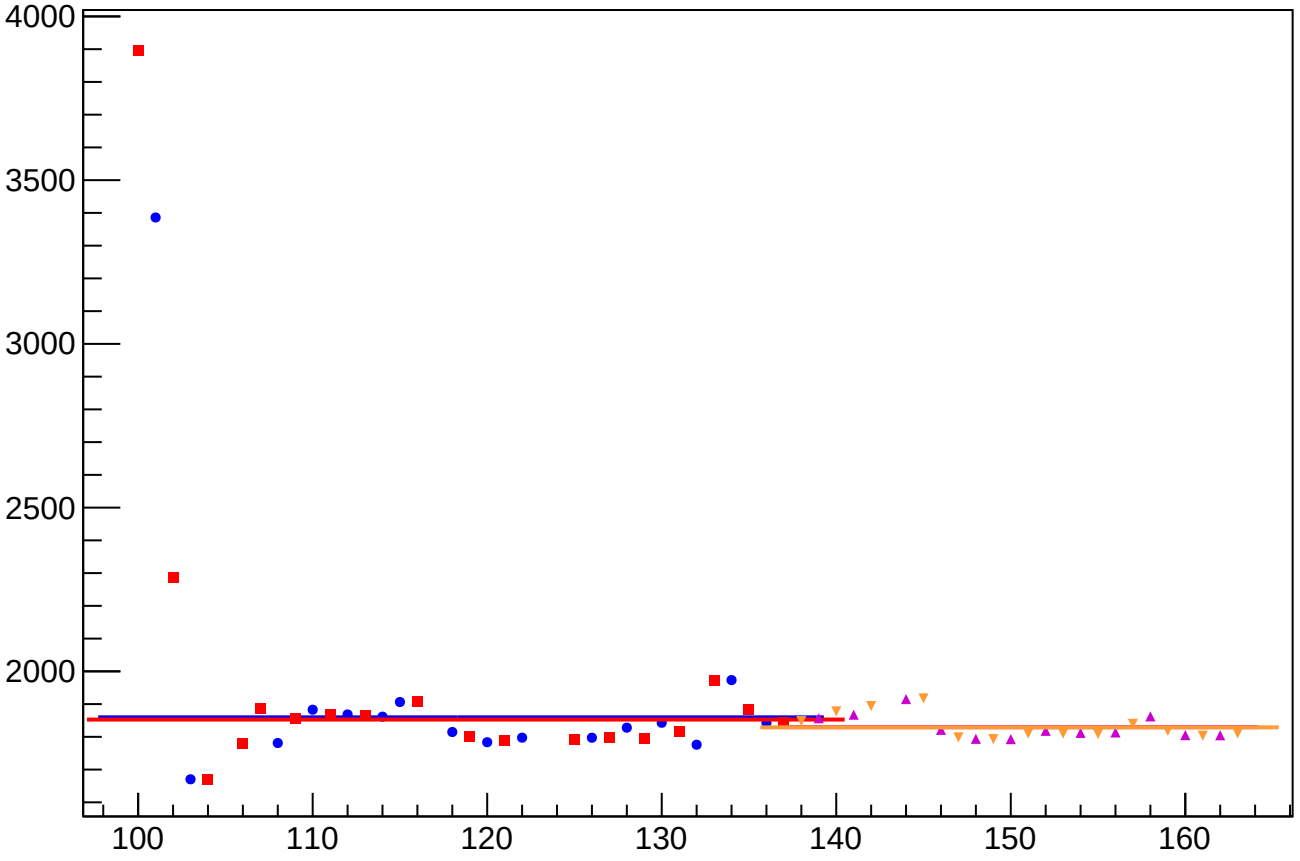
Left In: -4837.413+/-568.459 χ^2/NDF:22.4/11

+ sign 3814.189+/-440.474 χ^2/NDF: 22.0/28

All: -319.386+/-311.371 χ^2/NDF: 237.8/58

- sign -4448.127+/-440.216 χ^2/NDF: 39.8/29

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

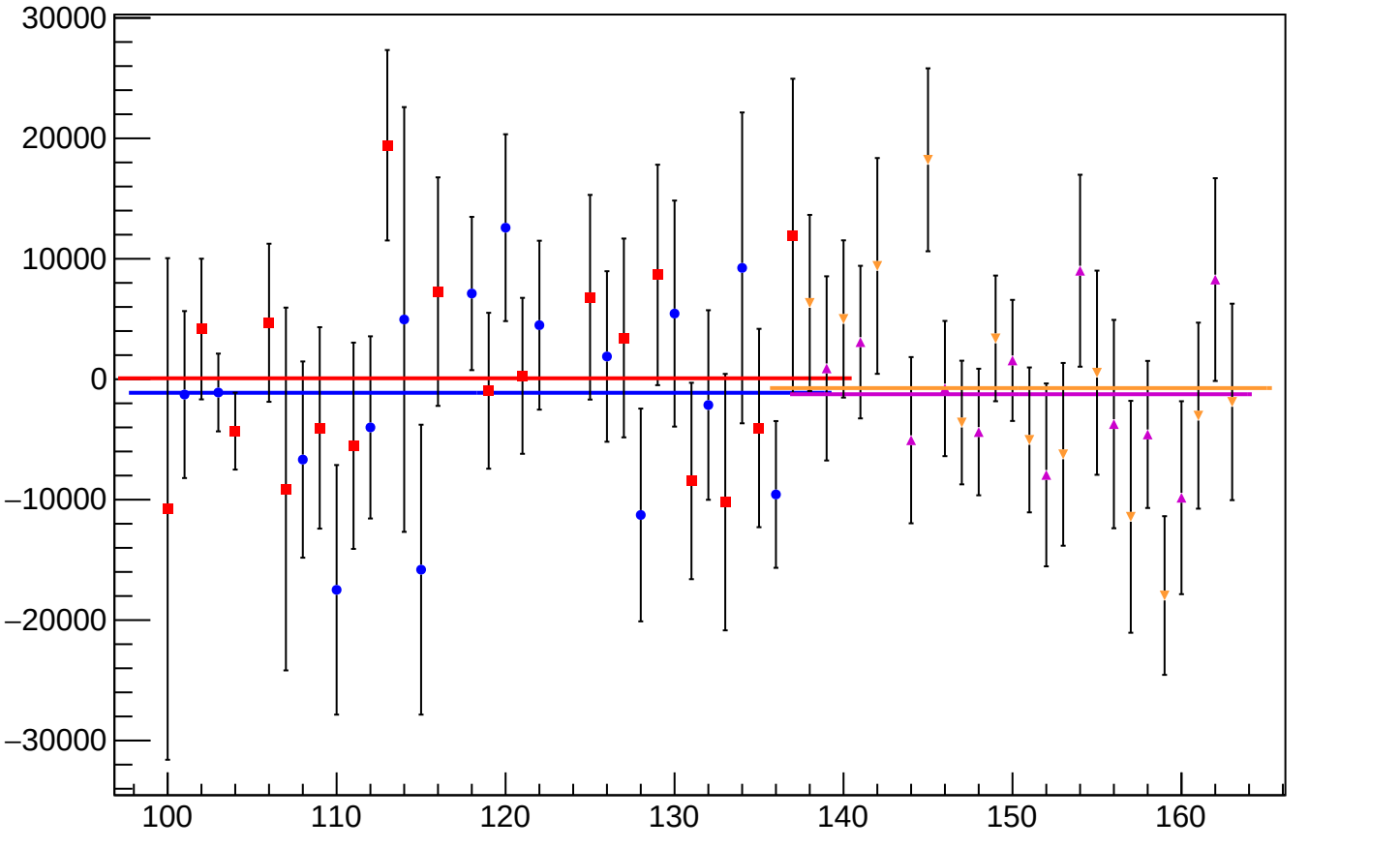
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

+ sign 1841.113+/-0.311 χ^2/NDF: 302787.2/28

All: 1840.000+/-0.220 χ^2/NDF: 413573.9/58

- sign 1838.890+/-0.311 χ^2/NDF: 110761.1/29



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

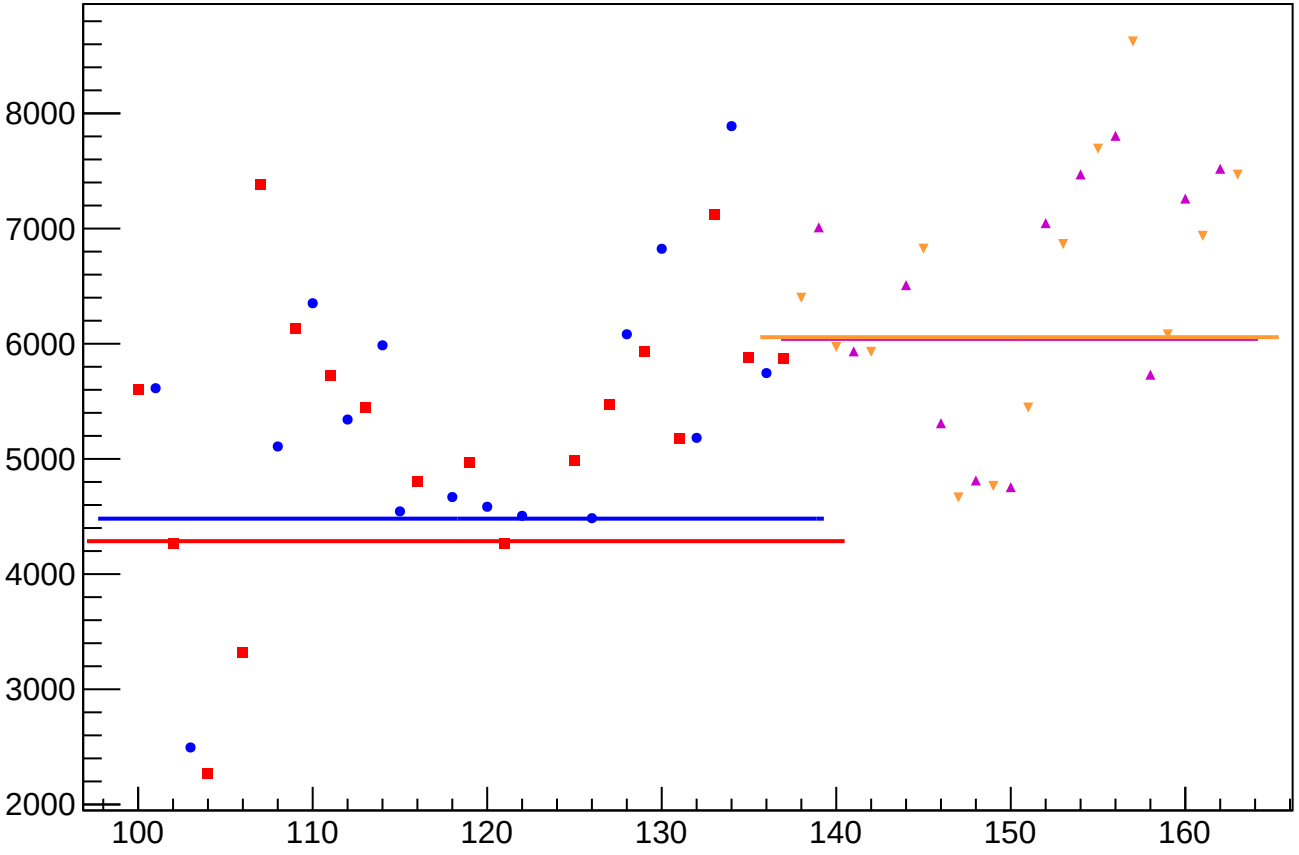
Left In: -1245.792+/-1912.085 χ^2/NDF:6.8/11

+ sign -947.419+/-1296.625 χ^2/NDF: 34.1/28

All: -723.013+/-907.837 χ^2/NDF: 56.8/58

- sign -507.223+/-1271.493 χ^2/NDF: 22.6/29

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

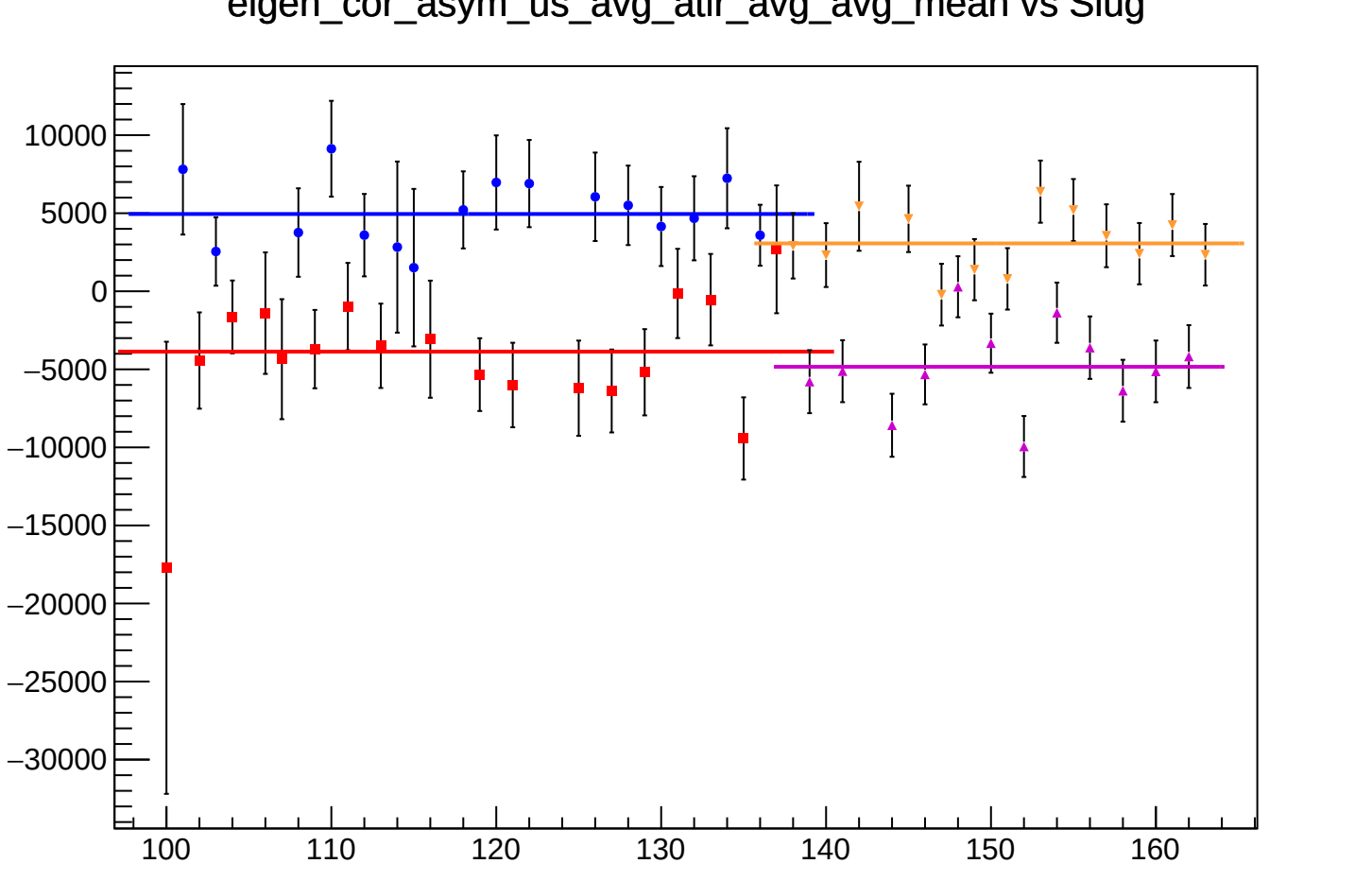
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6042.280+/-1.352 χ^2/NDF:611822.7/11

+ sign 5199.840+/-0.917 χ^2/NDF: 2735843.7/28

All: 5129.922+/-0.642 χ^2/NDF: 5850001.0/58

- sign 5062.688+/-0.899 χ^2/NDF: 3102749.8/29



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

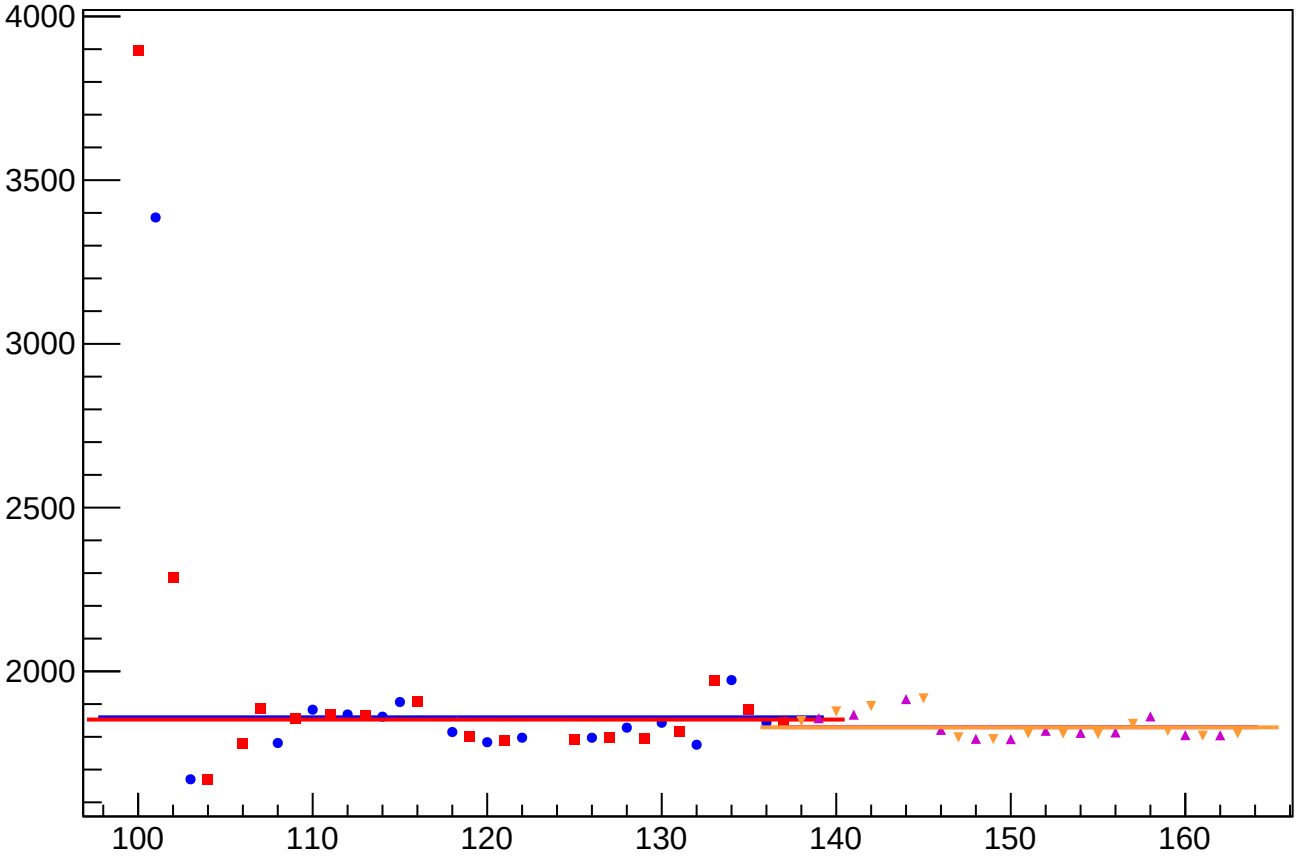
Left In: -4837.413+/-568.459 χ^2/NDF:22.4/11

+ sign 3814.189+/-440.474 χ^2/NDF: 22.0/28

All: -319.386+/-311.371 χ^2/NDF: 237.8/58

- sign -4448.127+/-440.216 χ^2/NDF: 39.8/29

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: 1828.993+/-0.401 χ^2/NDF:8152.4/12

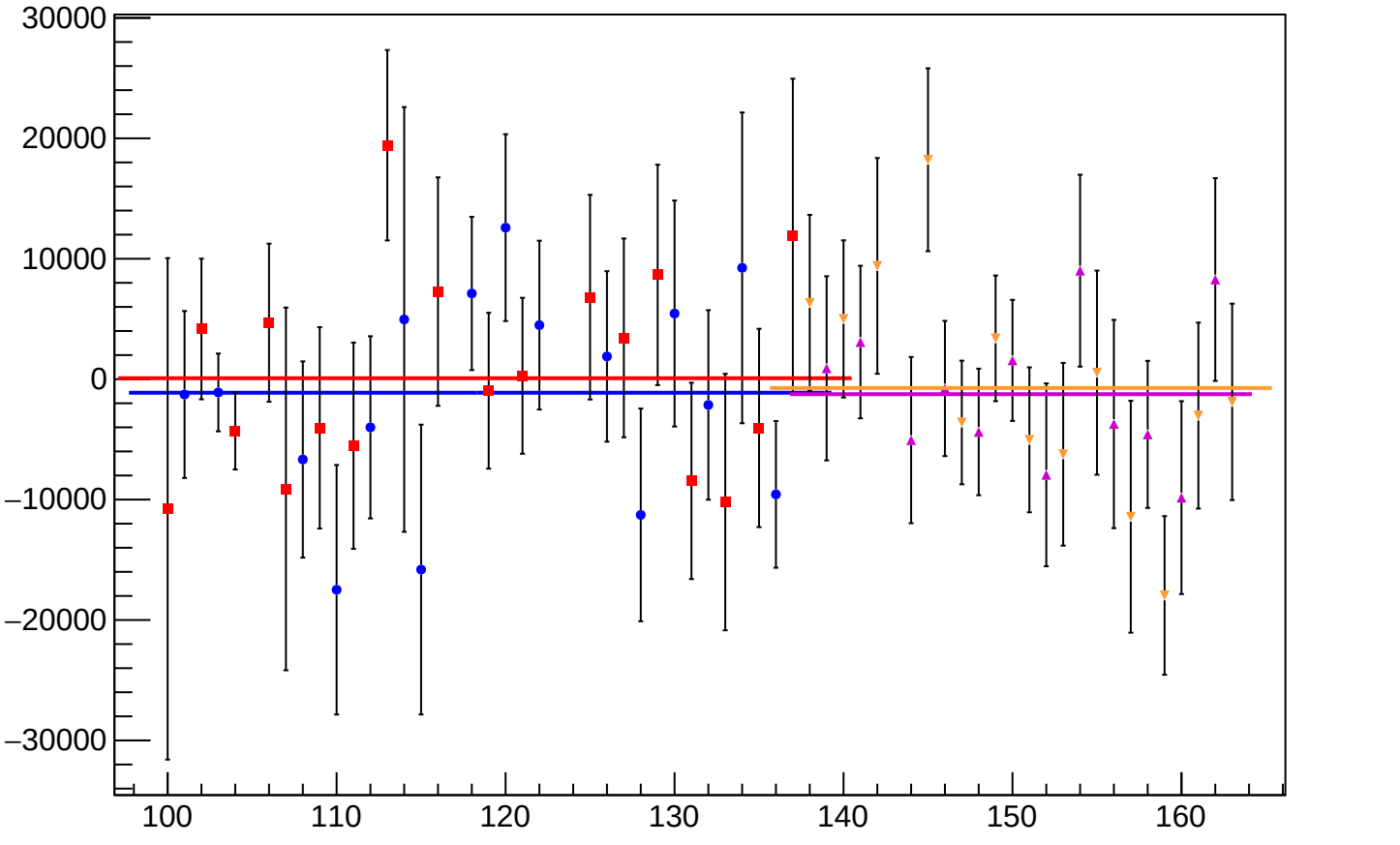
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

+ sign 1841.113+/-0.311 χ^2/NDF: 302787.2/28

All: 1840.000+/-0.220 χ^2/NDF: 413573.9/58

- sign 1838.890+/-0.311 χ^2/NDF: 110761.1/29



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

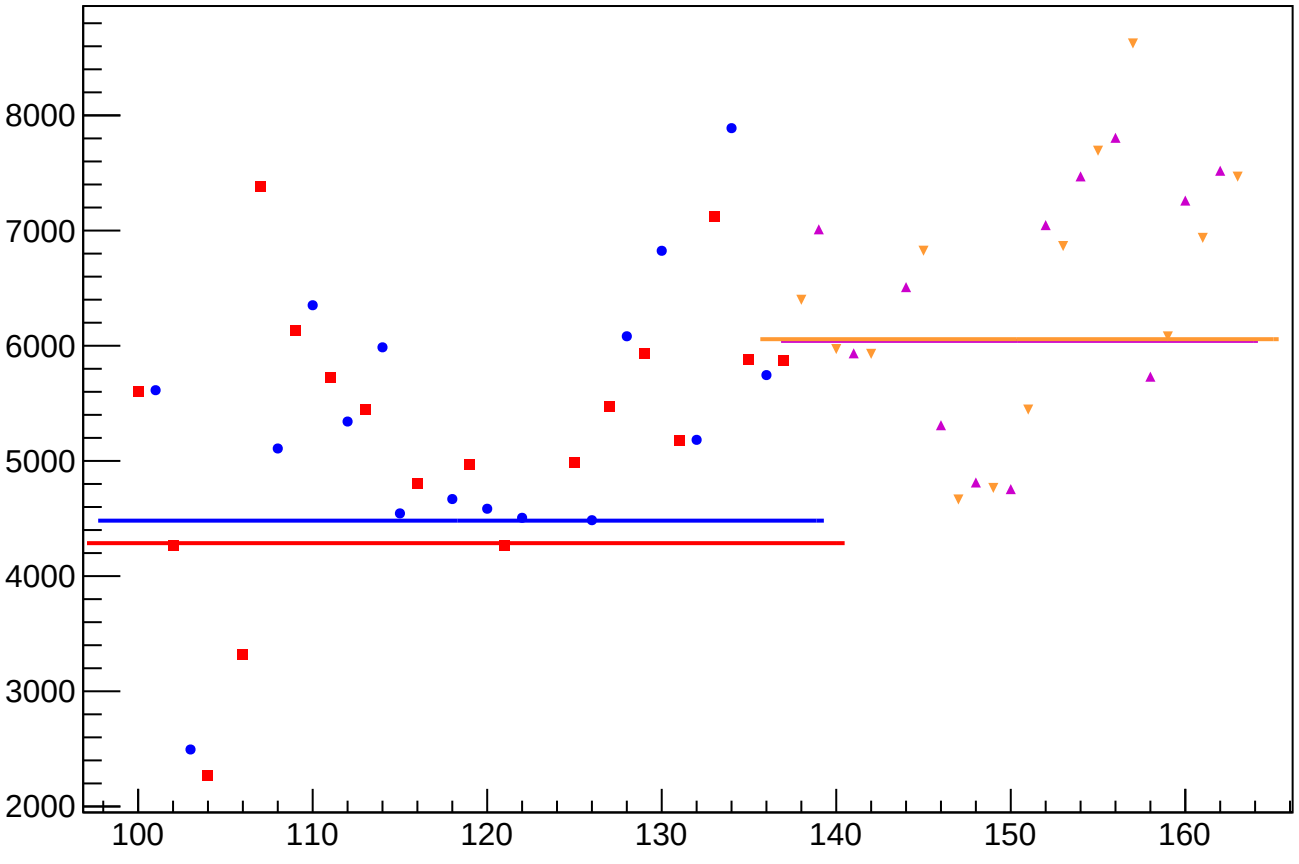
Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: -1245.792+/-1912.085 χ^2/NDF:6.8/11

+ sign -947.419+/-1296.625 χ^2/NDF: 34.1/28

All: -723.013+/-907.837 χ^2/NDF: 56.8/58

- sign -507.223+/-1271.493 χ^2/NDF: 22.6/29



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

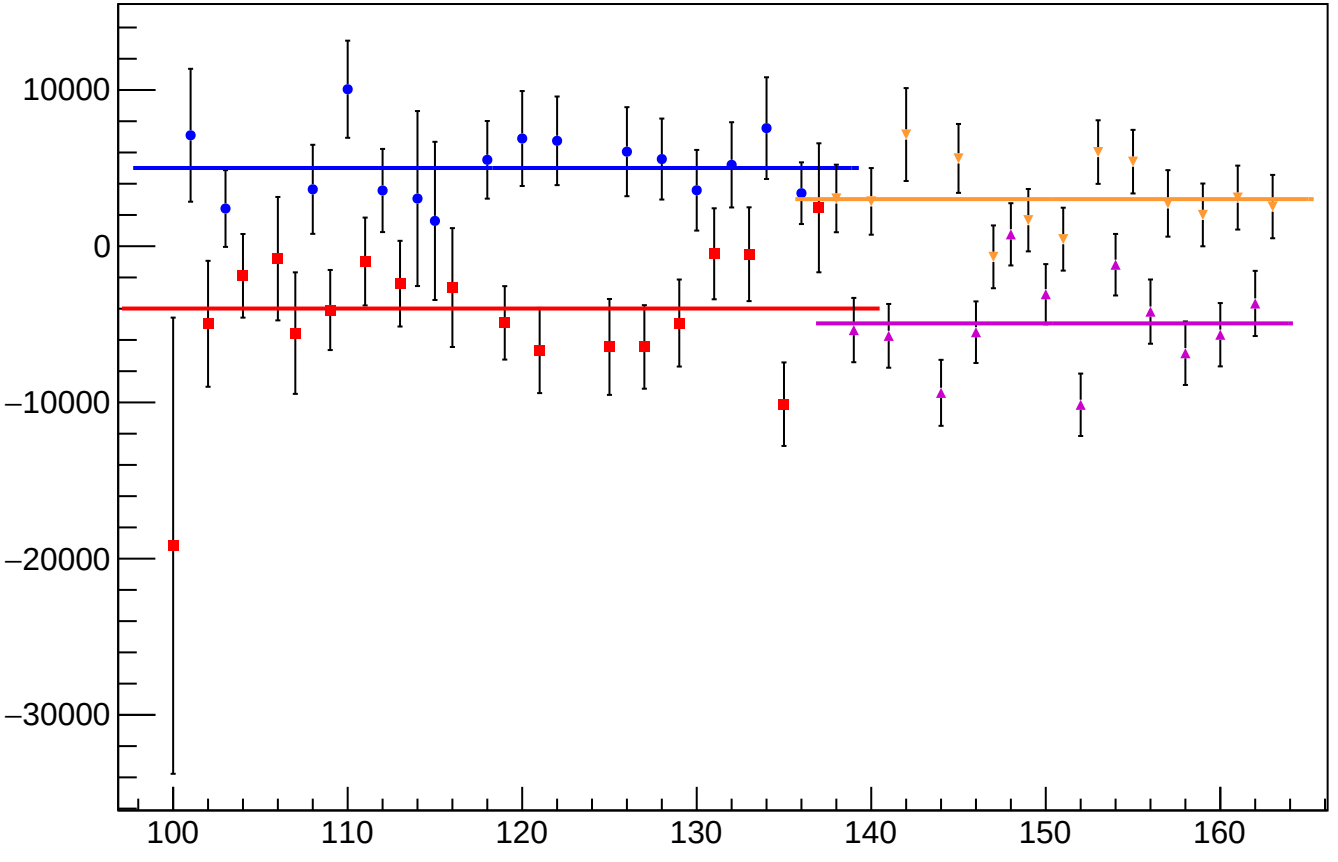
Left In: 6042.280+/-1.352 χ^2/NDF:611822.7/11

\+ sign 5199.840+/-0.917 χ^2/NDF: 2735843.7/28

All: 5129.922+/-0.642 χ^2/NDF: 5850001.0/58

\- sign 5062.688+/-0.899 χ^2/NDF: 3102749.8/29

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.121+/-584.173 χ^2/NDF:12.7/12

Right Out: -3989.193+/-719.024 χ^2/NDF: 17.4/17

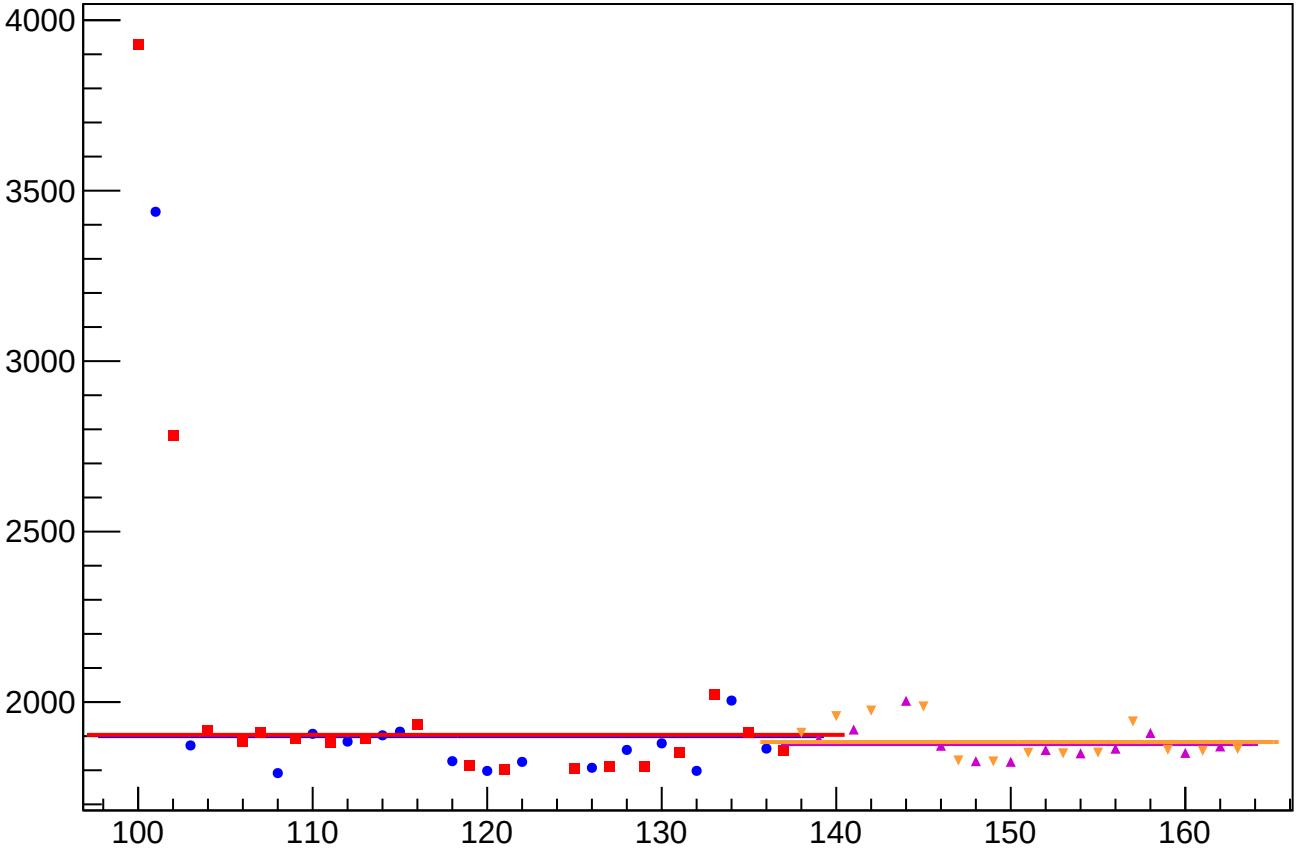
Left In: -4939.772+/-583.261 χ^2/NDF:25.8/11

+ sign 3813.275+/-452.143 χ^2/NDF: 25.0/28

All: -366.985+/-320.005 χ^2/NDF: 240.5/58

- sign -4562.516+/-452.968 χ^2/NDF: 44.2/29

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1882.789+/-0.413 χ^2/NDF:16188.2/12

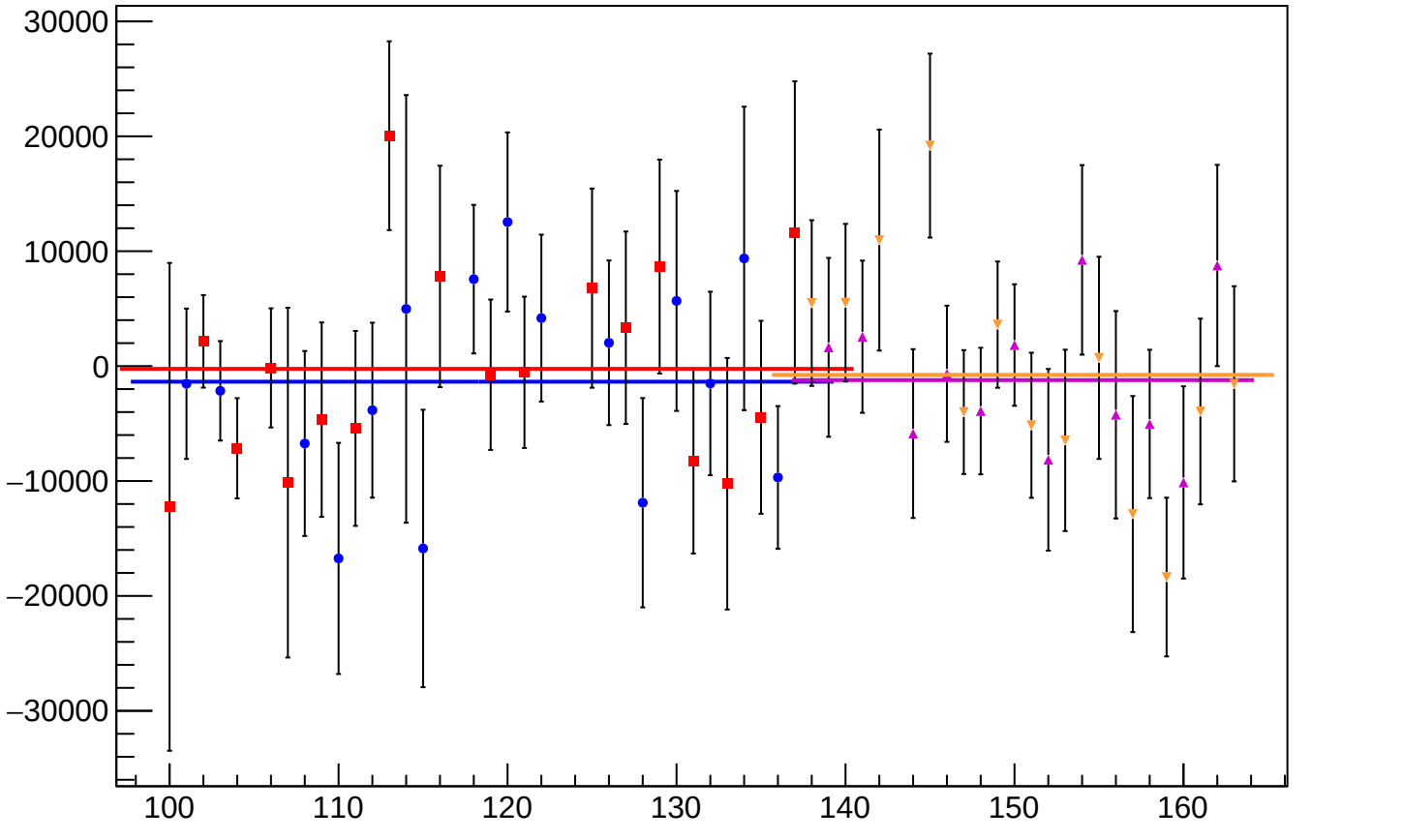
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

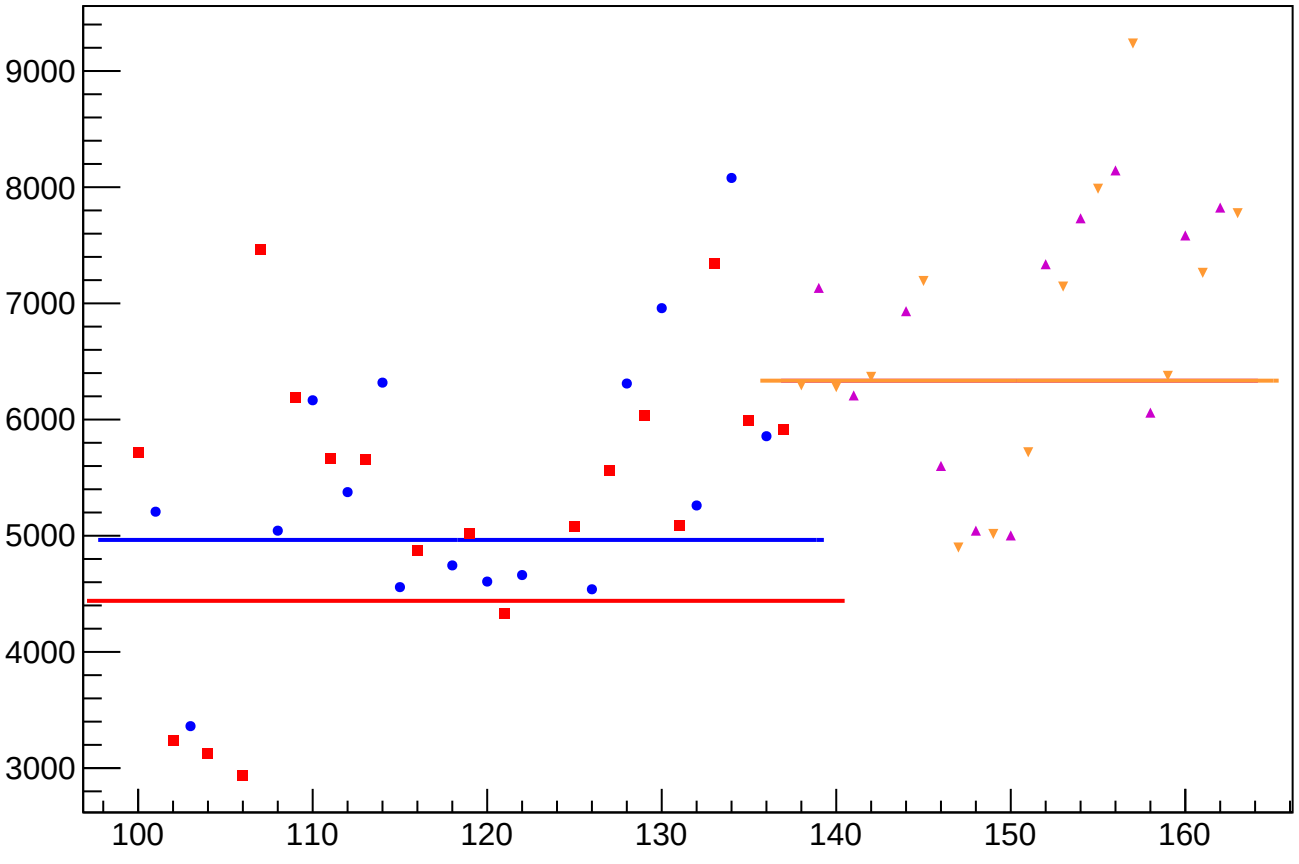
Left In: 1876.845+/-0.412 χ^2/NDF:12418.2/11

+ sign 1889.734+/-0.320 χ^2/NDF: 295341.5/28

All: 1888.652+/-0.226 χ^2/NDF: 459599.3/58

- sign 1887.567+/-0.320 χ^2/NDF: 164234.9/29


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -764.153+/-2007.505 χ²/NDF:19.4/12
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -1218.141+/-2002.549 χ²/NDF:6.7/11
+ sign -1077.296+/-1378.405 χ²/NDF: 34.1/28
All: -853.461+/-946.351 χ²/NDF: 56.7/58
- sign -653.882+/-1301.581 χ²/NDF: 22.6/29



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6334.844+/-1.420 χ^2/NDF:634944.8/12

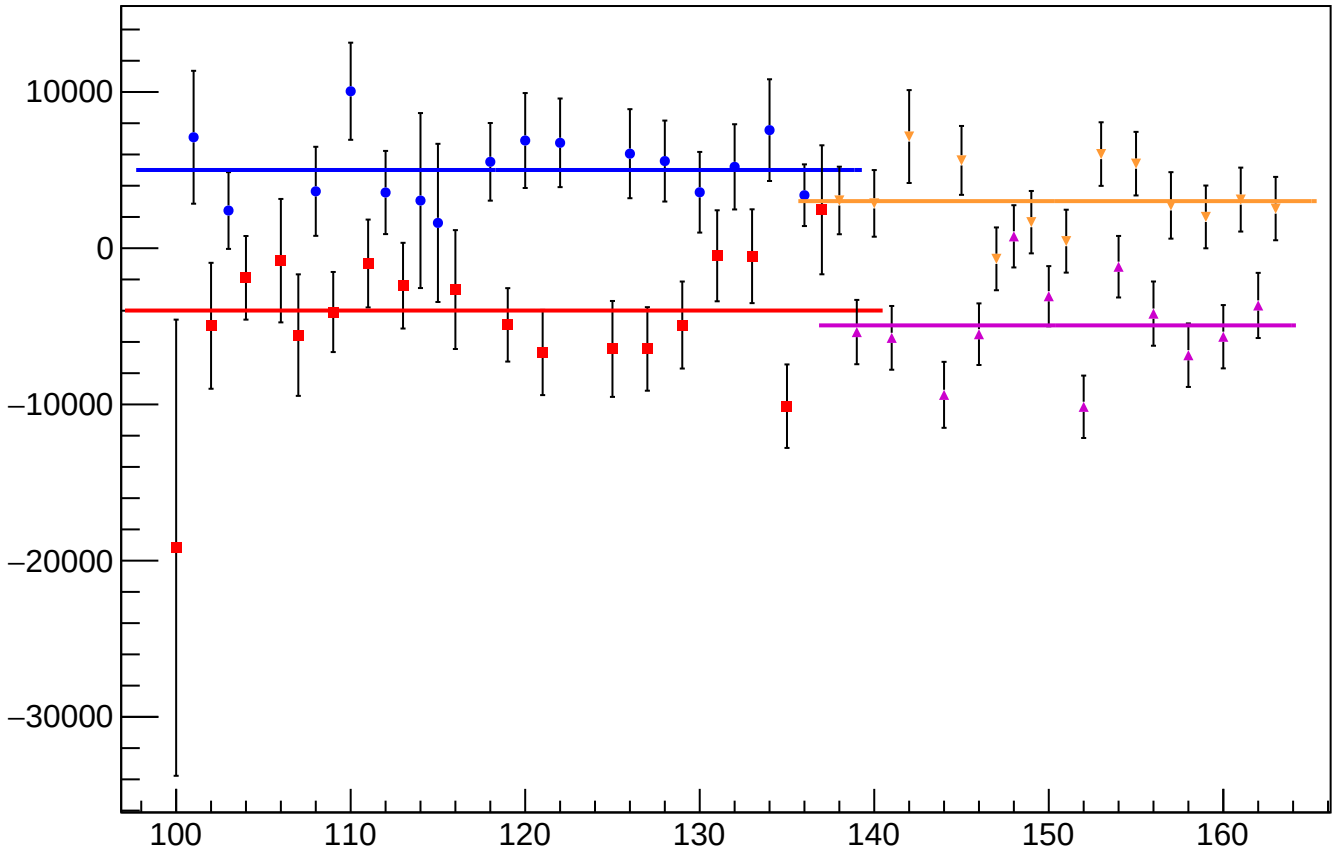
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6333.942+/-1.416 χ^2/NDF:578768.3/11

+ sign 5610.291+/-0.975 χ^2/NDF: 1755241.0/28

All: 5414.491+/-0.669 χ^2/NDF: 4602416.3/58

- sign 5239.909+/-0.920 χ^2/NDF: 2770837.9/29



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.110+/-584.174 χ^2/NDF:12.7/12

Right Out: -3989.192+/-719.024 χ^2/NDF: 17.4/17

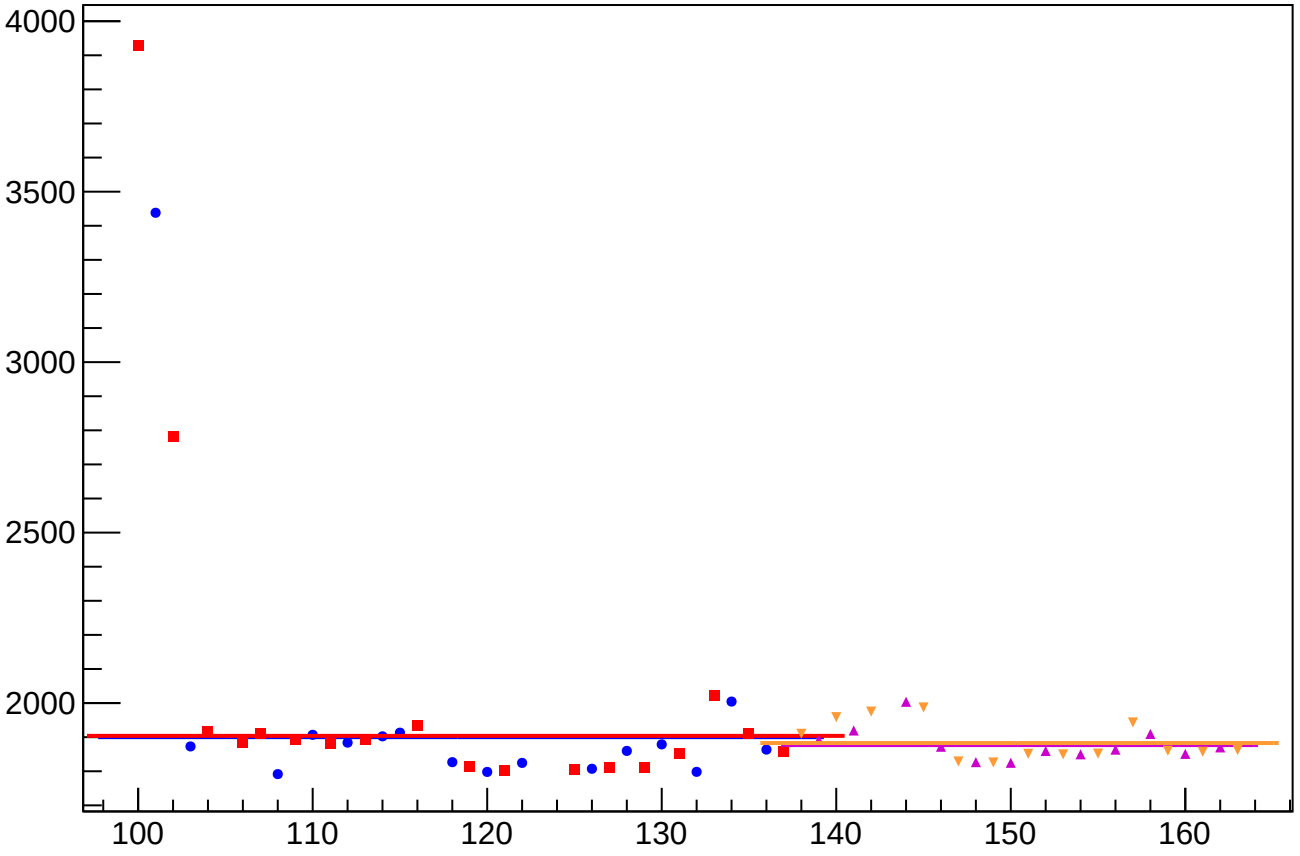
Left In: -4939.773+/-583.261 χ^2/NDF:25.8/11

+ sign 3813.270+/-452.144 χ^2/NDF: 25.0/28

All: -366.988+/-320.005 χ^2/NDF: 240.5/58

- sign -4562.515+/-452.969 χ^2/NDF: 44.2/29

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: 1882.791+/-0.413 χ^2/NDF:16188.4/12

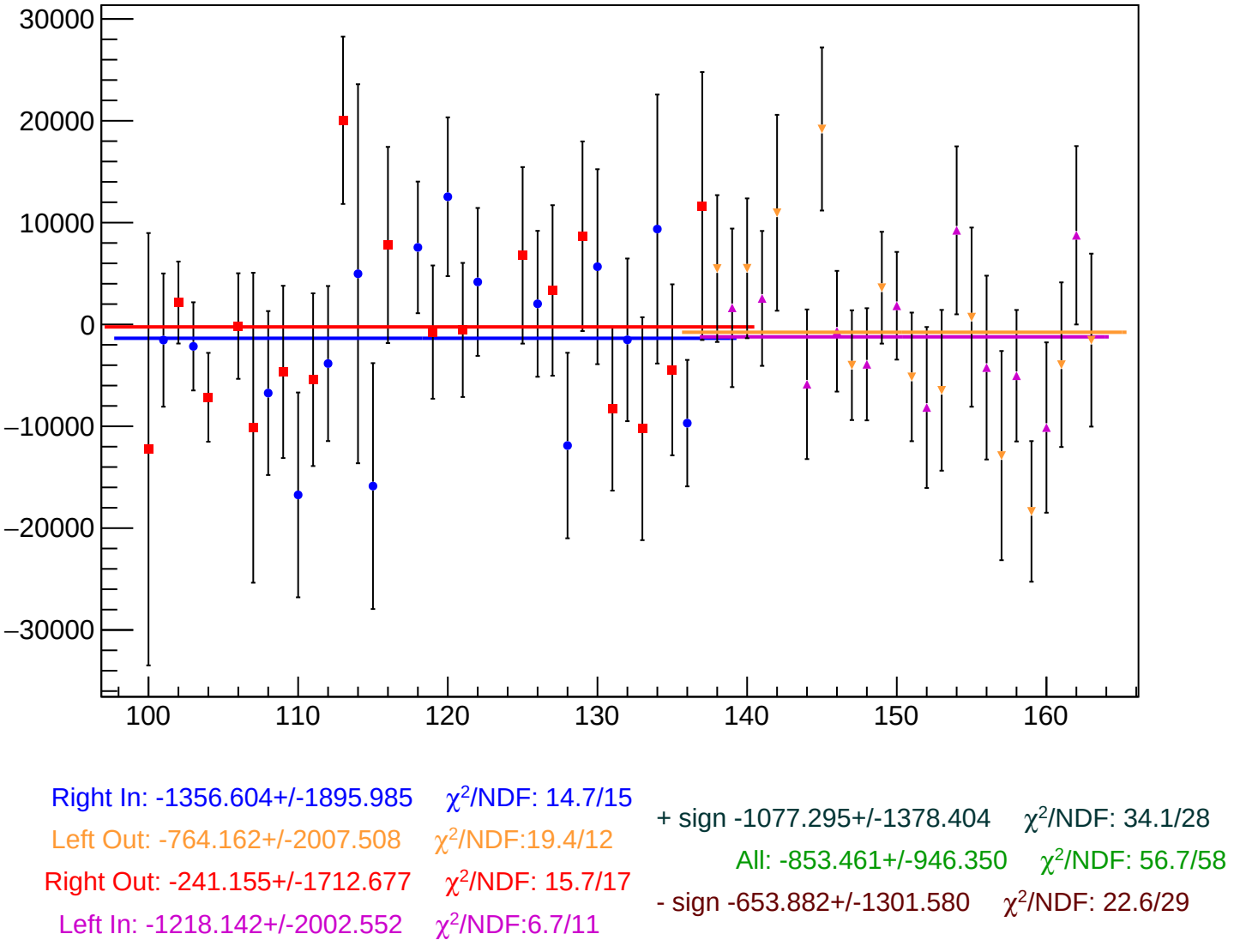
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

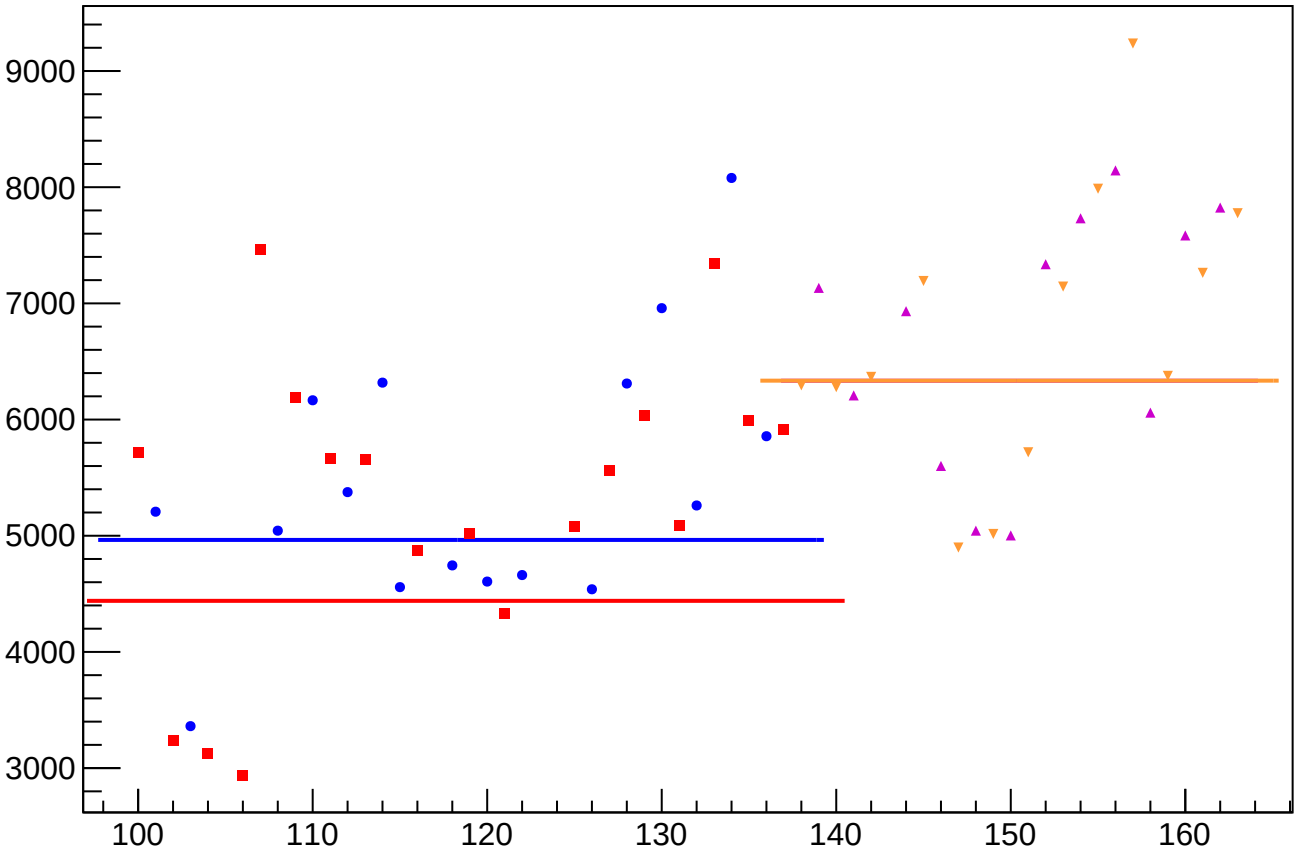
Left In: 1876.846+/-0.412 χ^2/NDF:12418.3/11

+ sign 1889.735+/-0.320 χ^2/NDF: 295341.8/28

All: 1888.653+/-0.226 χ^2/NDF: 459598.8/58

- sign 1887.568+/-0.320 χ^2/NDF: 164234.0/29


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -764.162+/-2007.508 χ²/NDF:19.4/12
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -1218.142+/-2002.552 χ²/NDF:6.7/11
+ sign -1077.295+/-1378.404 χ²/NDF: 34.1/28
All: -853.461+/-946.350 χ²/NDF: 56.7/58
- sign -653.882+/-1301.580 χ²/NDF: 22.6/29



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6334.853+/-1.420 χ^2/NDF:634946.8/12

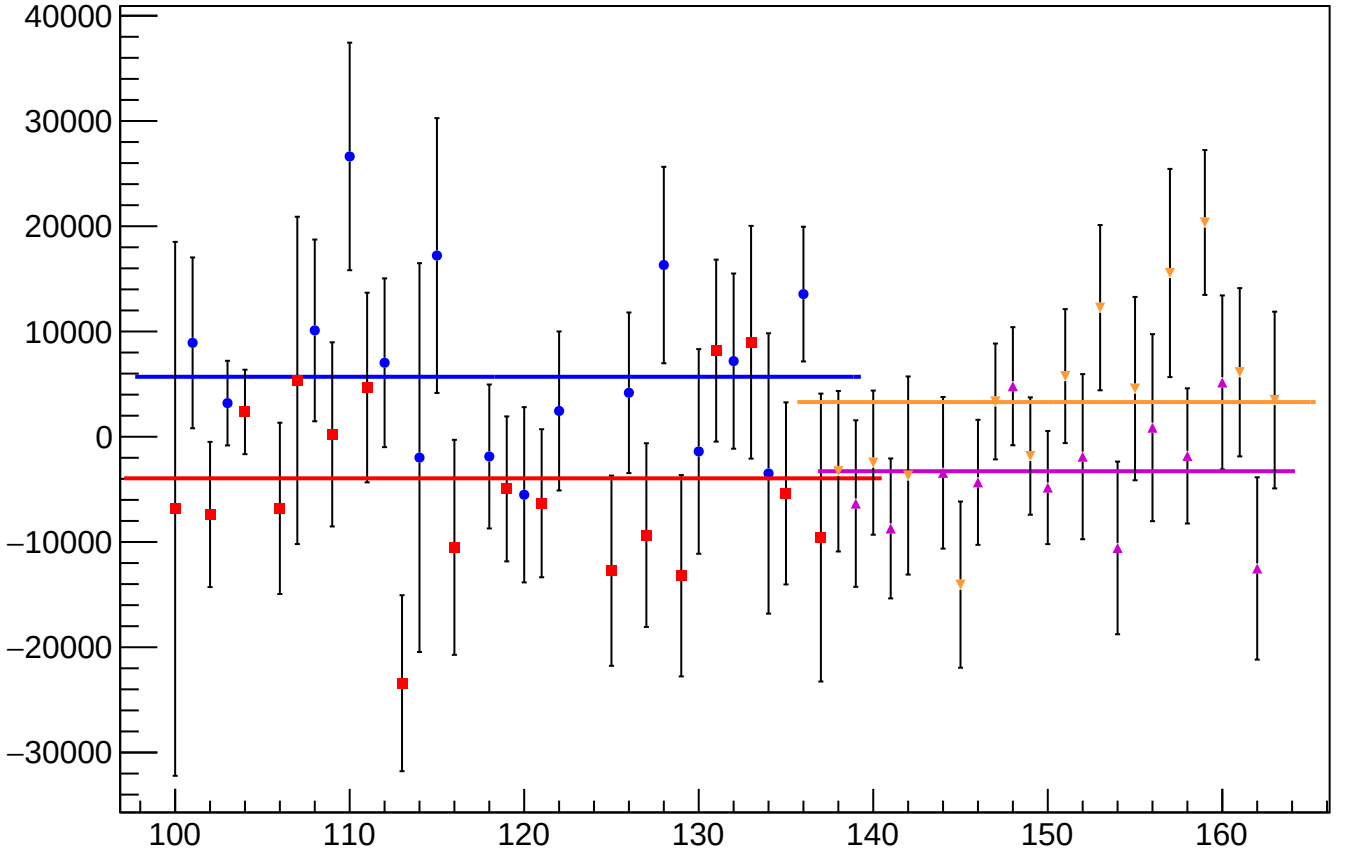
Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6333.951+/-1.416 χ^2/NDF:578769.2/11

+ sign 5610.285+/-0.975 χ^2/NDF: 1755261.8/28

All: 5414.485+/-0.669 χ^2/NDF: 4602461.1/58

- sign 5239.903+/-0.920 χ^2/NDF: 2770861.3/29



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3296.564+/-2014.960 χ^2/NDF:17.0/12

Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

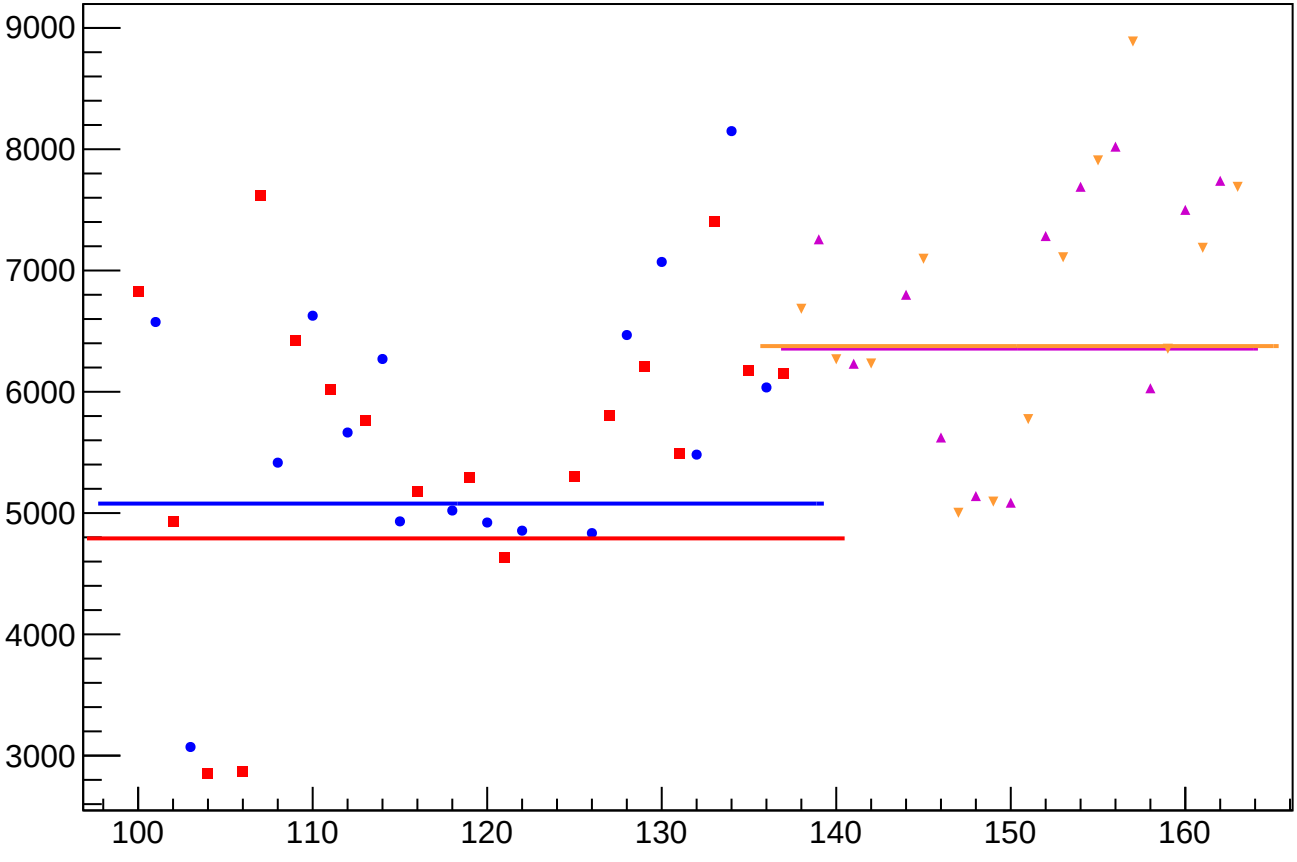
Left In: -3275.131+/-2005.637 χ^2/NDF:6.3/11

+ sign 4530.559+/-1404.668 χ^2/NDF: 30.3/28

All: 400.668+/-986.999 χ^2/NDF: 69.9/58

- sign -3626.862+/-1387.151 χ^2/NDF: 22.5/29

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6376.809+/-1.425 χ^2/NDF:546931.1/12

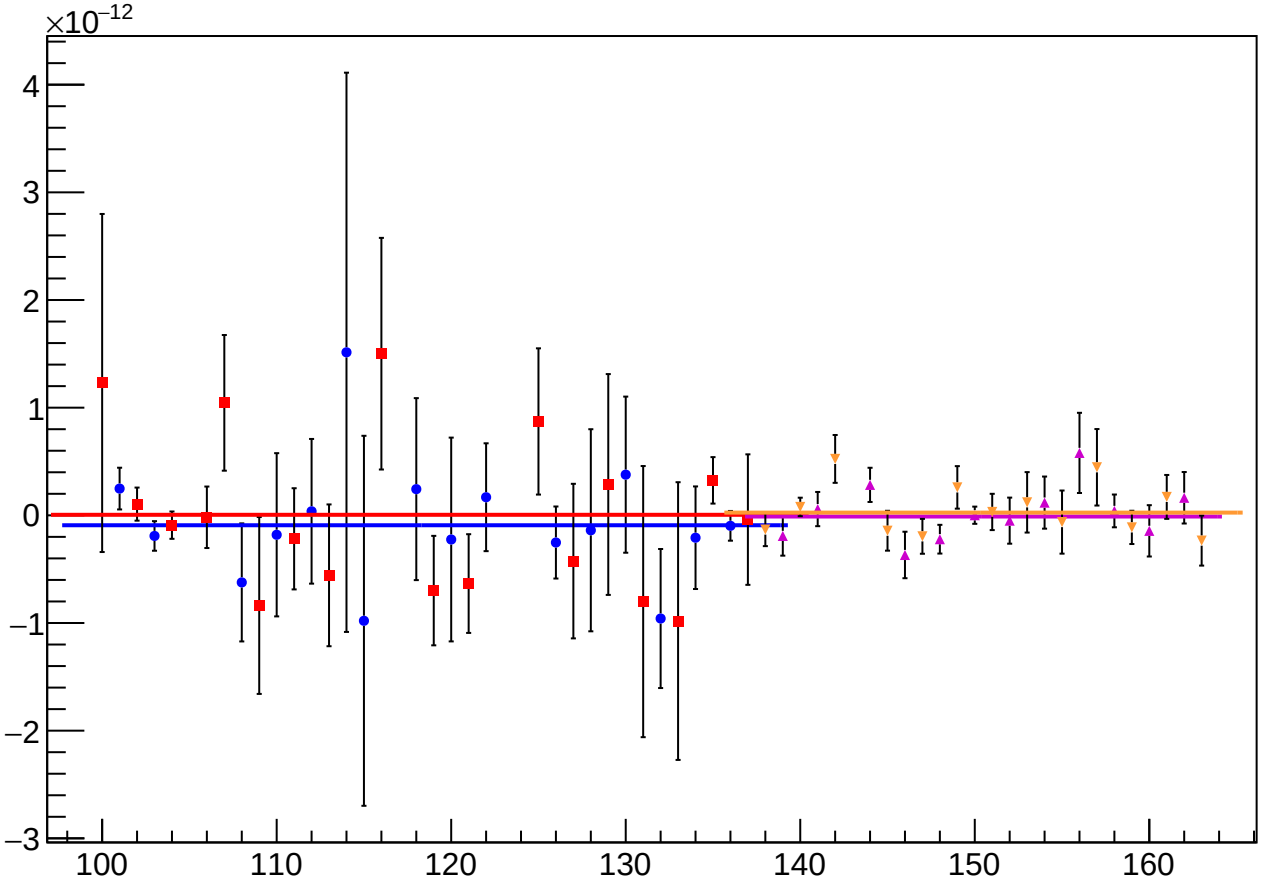
Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6356.278+/-1.418 χ^2/NDF:516123.7/11

+ sign 5709.259+/-0.993 χ^2/NDF: 1893185.5/28

All: 5614.450+/-0.694 χ^2/NDF: 4237265.5/58

- sign 5523.950+/-0.970 χ^2/NDF: 2326271.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/12

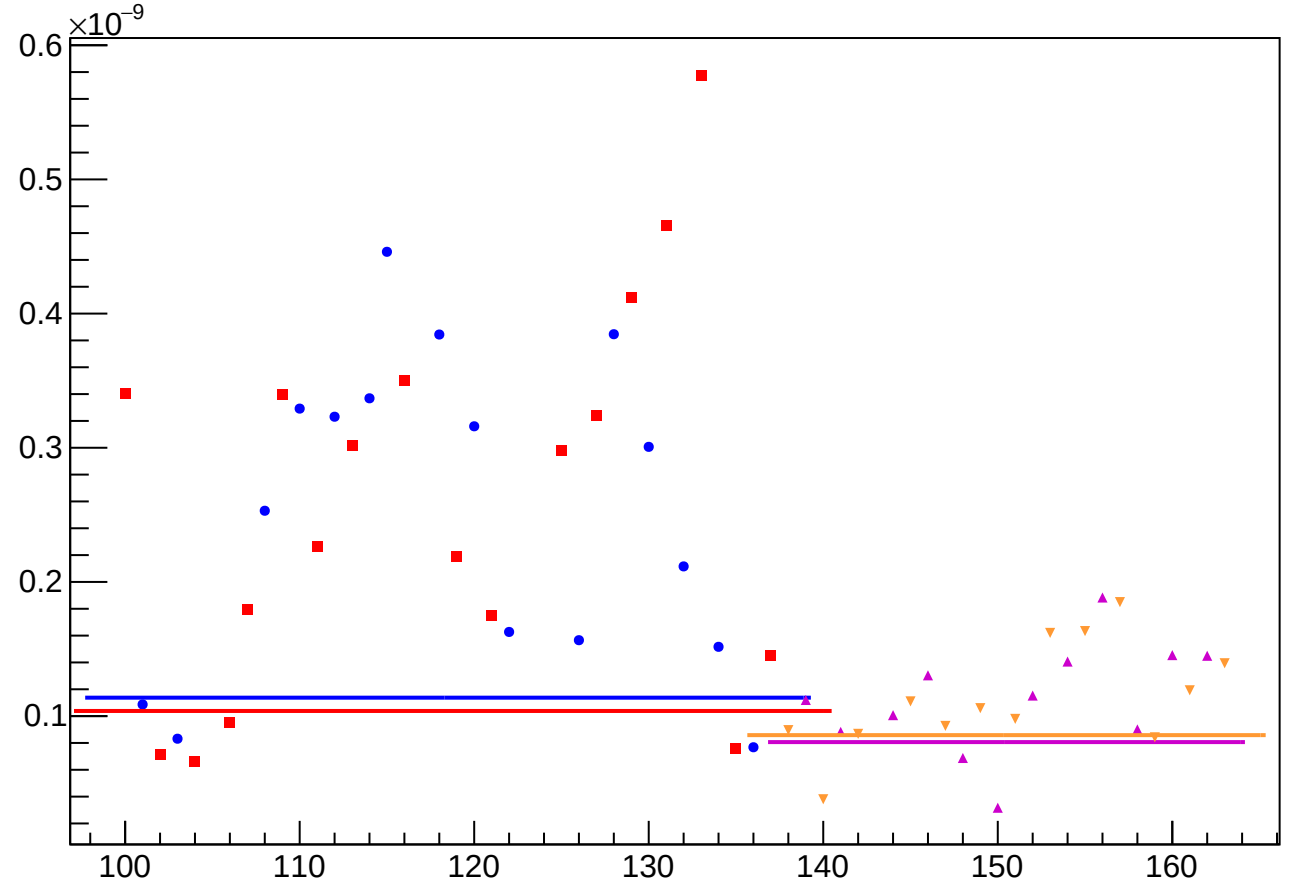
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.6/28

All: -0.000+/-0.000 χ^2/NDF: 55.6/58

- sign -0.000+/-0.000 χ^2/NDF: 31.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1296932.5/12

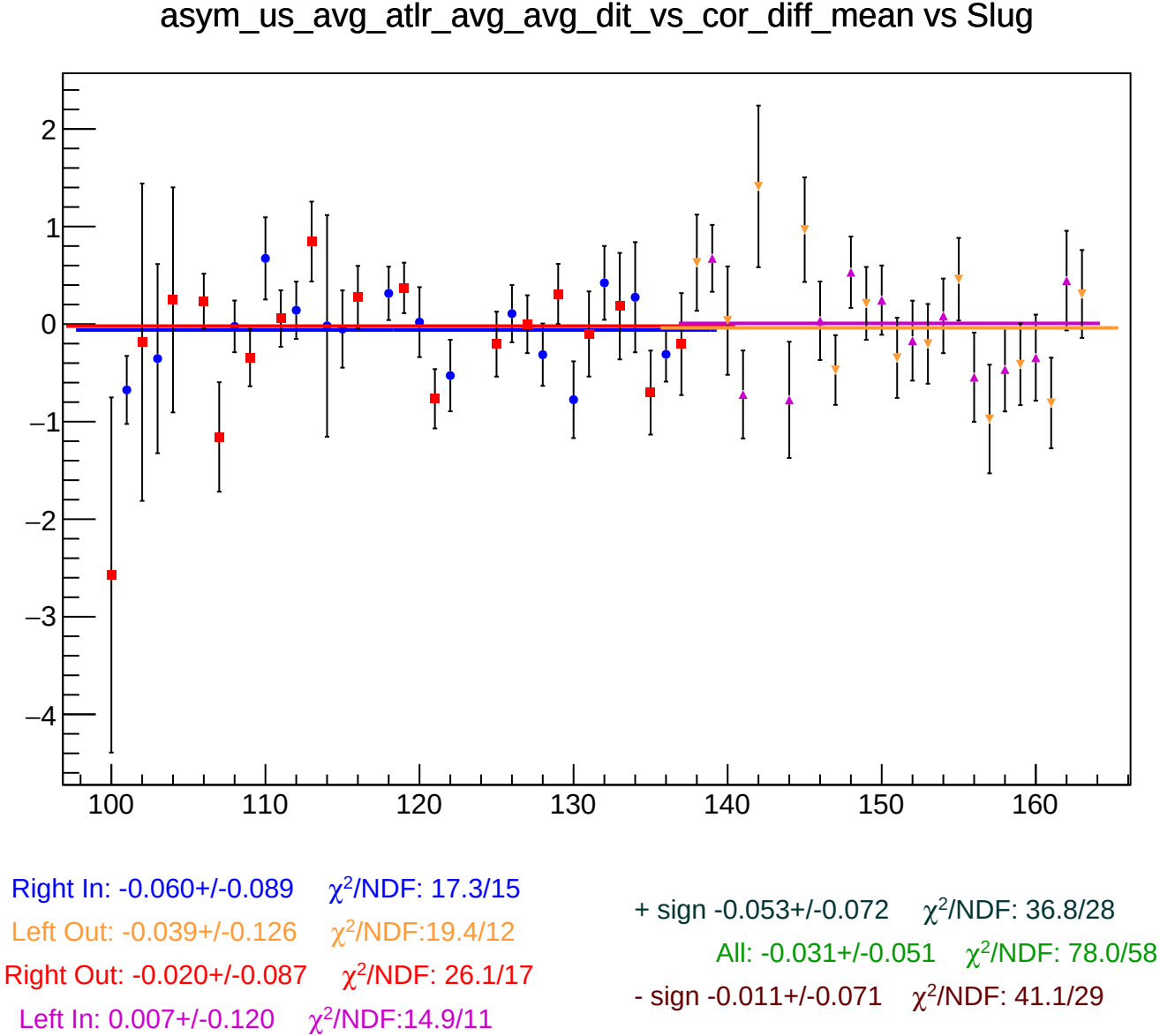
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1611181.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3009353.3/28

All: 0.000+/-0.000 χ^2/NDF: 6868502.8/58

- sign 0.000+/-0.000 χ^2/NDF: 3831746.0/29



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.039+/-0.126 χ^2/NDF:19.4/12

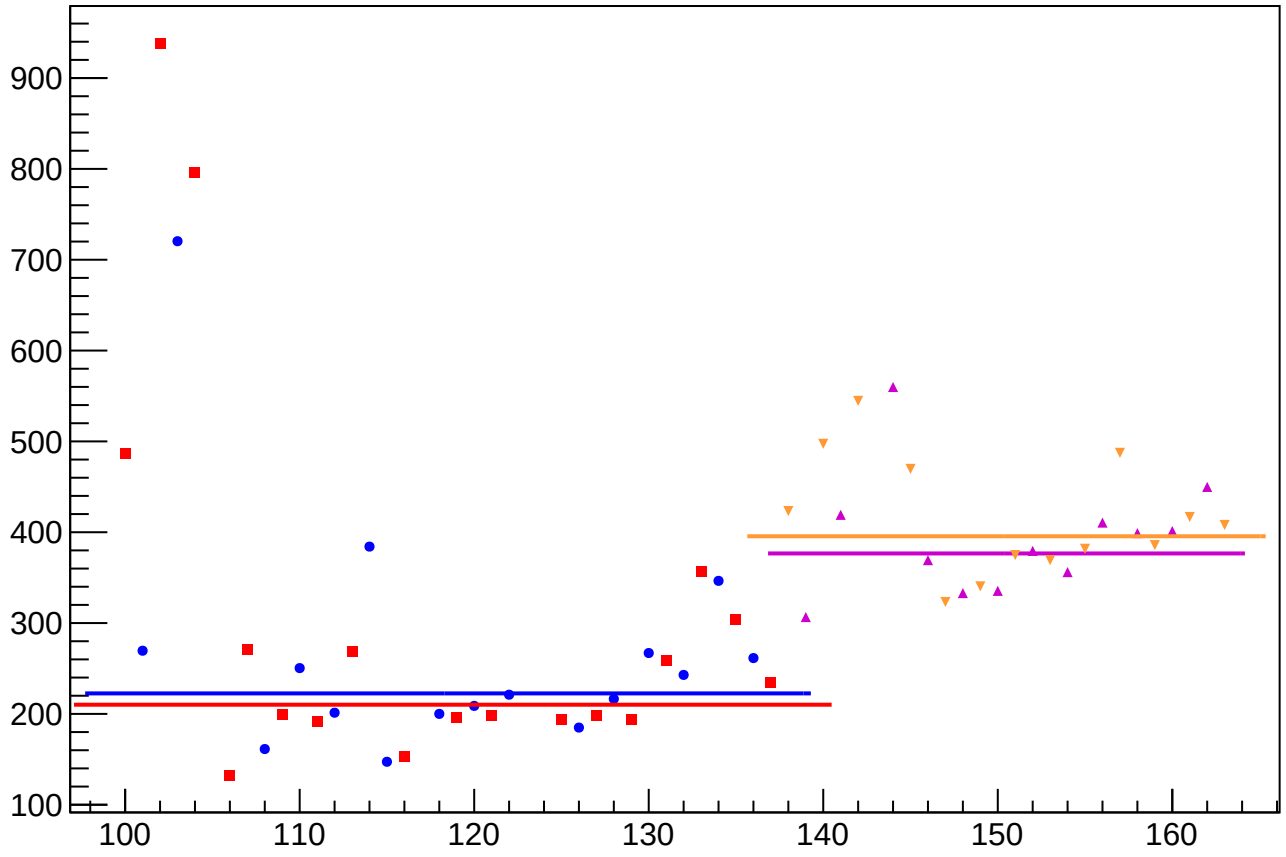
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.007+/-0.120 χ^2/NDF:14.9/11

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.031+/-0.051 χ^2/NDF: 78.0/58

- sign -0.011+/-0.071 χ^2/NDF: 41.1/29



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 395.551+/-0.089 χ^2/NDF:379022.7/12

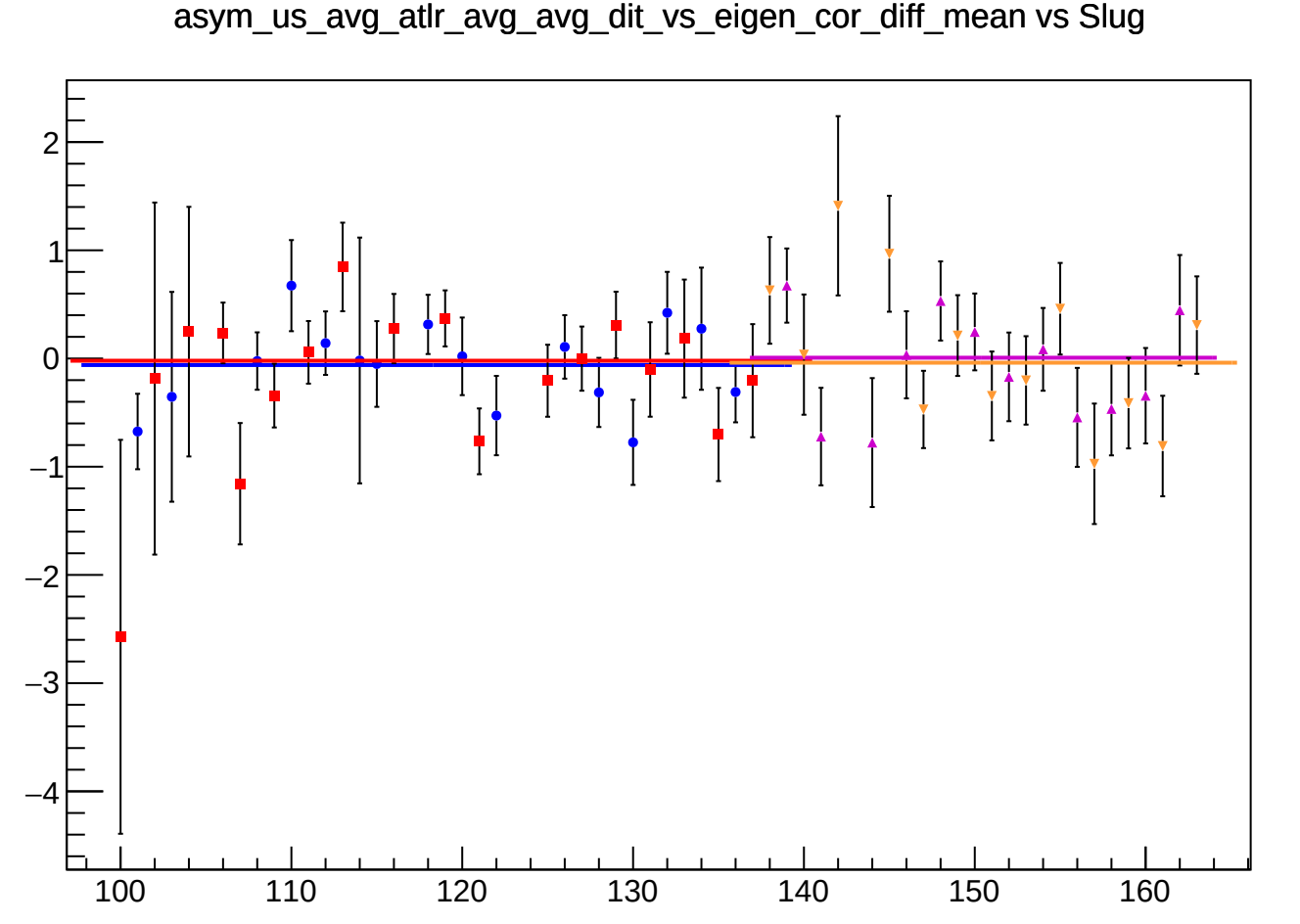
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 376.643+/-0.085 χ^2/NDF:416247.3/11

+ sign 280.058+/-0.051 χ^2/NDF: 3928146.4/28

All: 273.908+/-0.036 χ^2/NDF: 8445688.2/58

- sign 268.069+/-0.050 χ^2/NDF: 4489446.2/29



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.039+/-0.126 χ^2/NDF:19.4/12

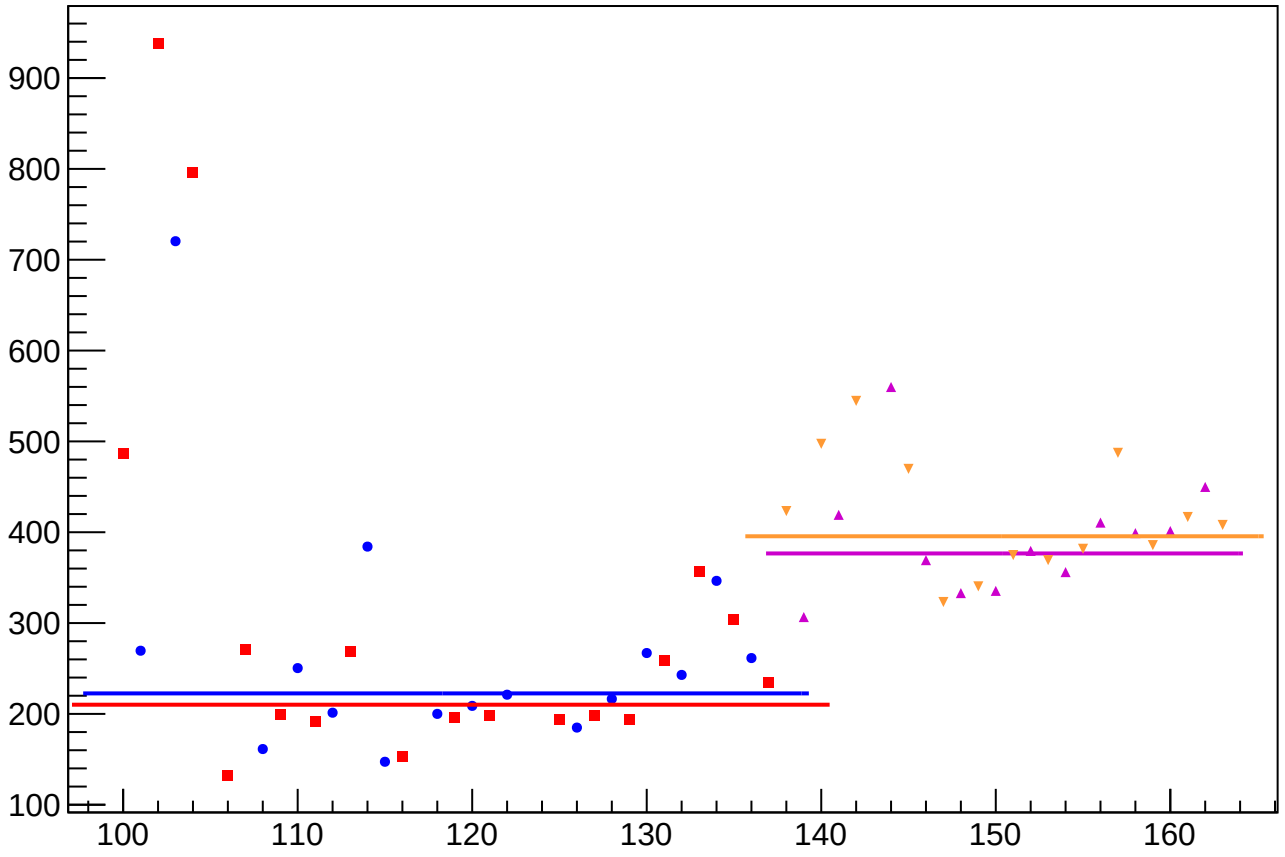
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.007+/-0.120 χ^2/NDF:14.9/11

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.031+/-0.051 χ^2/NDF: 78.0/58

- sign -0.011+/-0.071 χ^2/NDF: 41.1/29



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 395.551+/-0.089 χ^2/NDF:379022.7/12

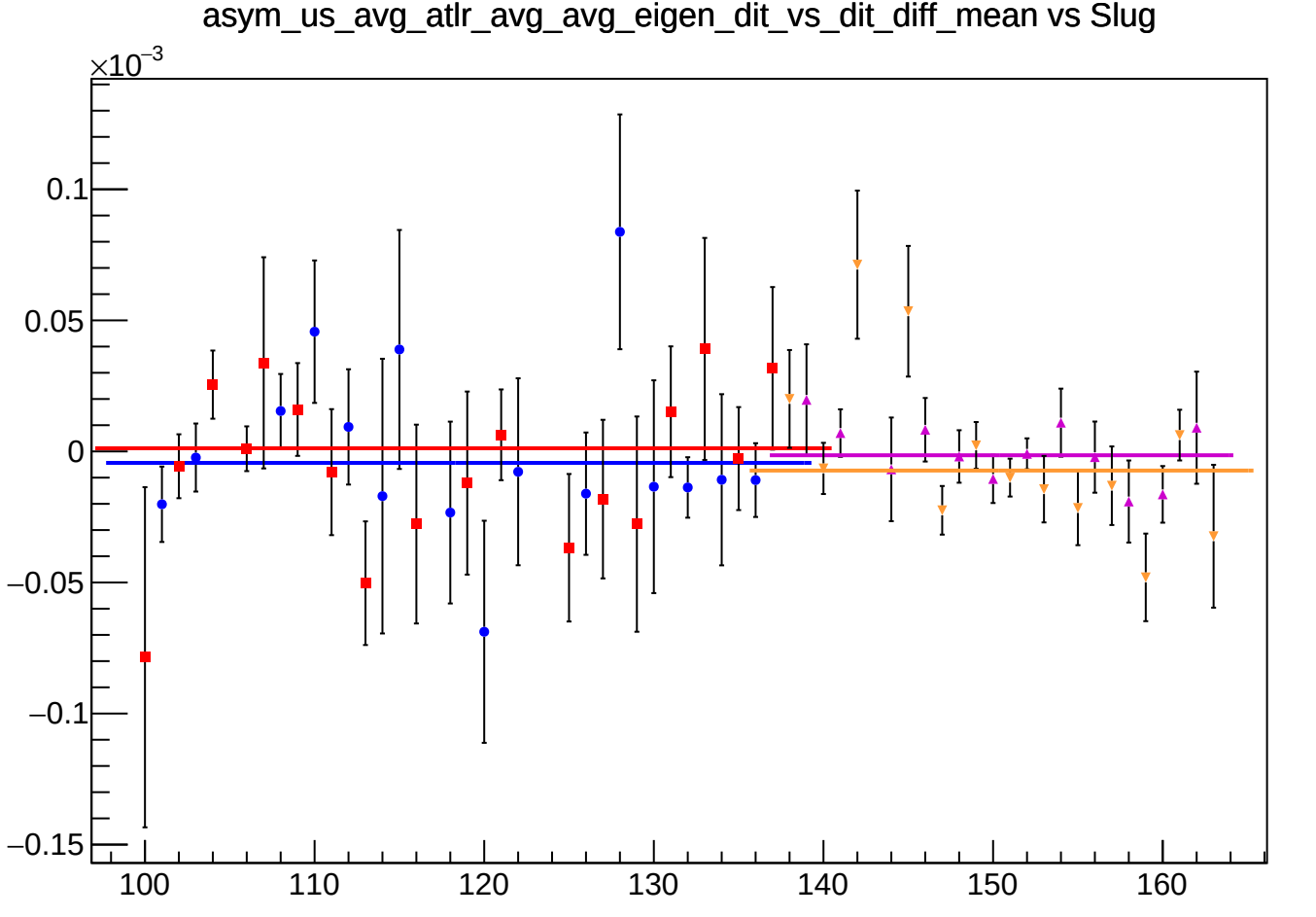
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 376.643+/-0.085 χ^2/NDF:416247.3/11

+ sign 280.058+/-0.051 χ^2/NDF: 3928146.4/28

All: 273.908+/-0.036 χ^2/NDF: 8445688.2/58

- sign 268.069+/-0.050 χ^2/NDF: 4489446.2/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.0/12

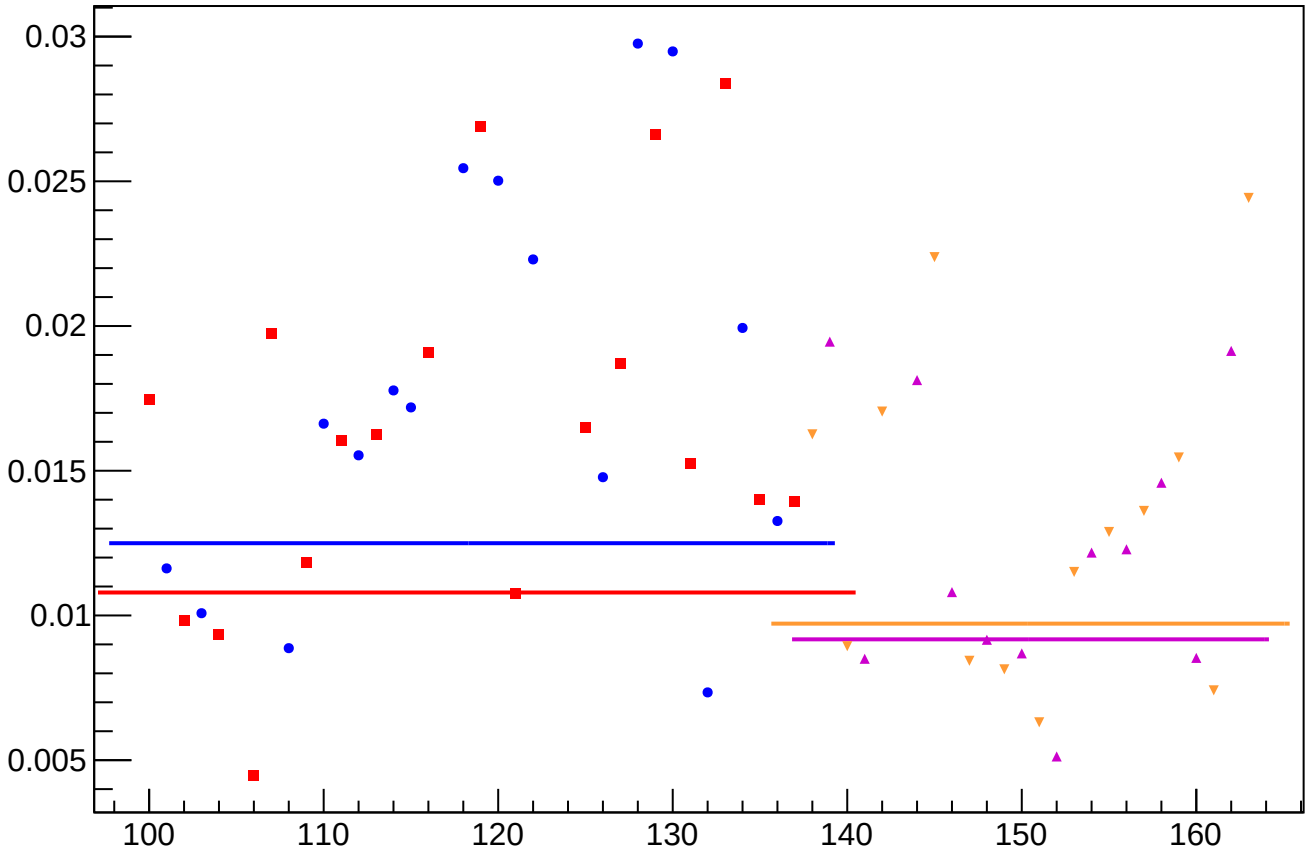
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/28

All: -0.000+/-0.000 χ^2/NDF: 73.6/58

- sign -0.000+/-0.000 χ^2/NDF: 25.4/29



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2661915.5/12

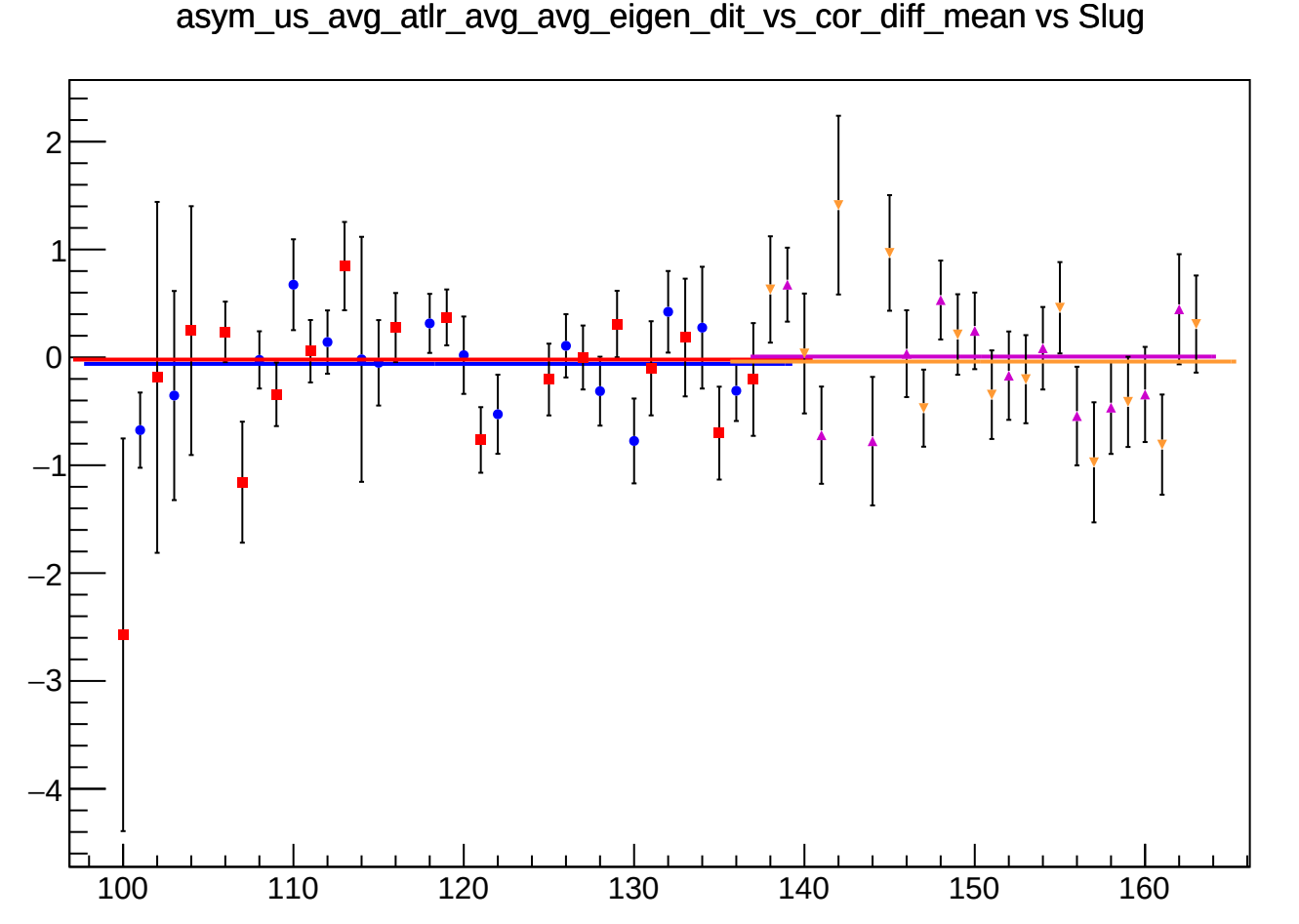
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:2765929.0/11

+ sign 0.011+/-0.000 χ^2/NDF: 5195758.5/28

All: 0.010+/-0.000 χ^2/NDF: 11219017.0/58

- sign 0.010+/-0.000 χ^2/NDF: 5922851.3/29



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.039+/-0.126 χ^2/NDF:19.4/12

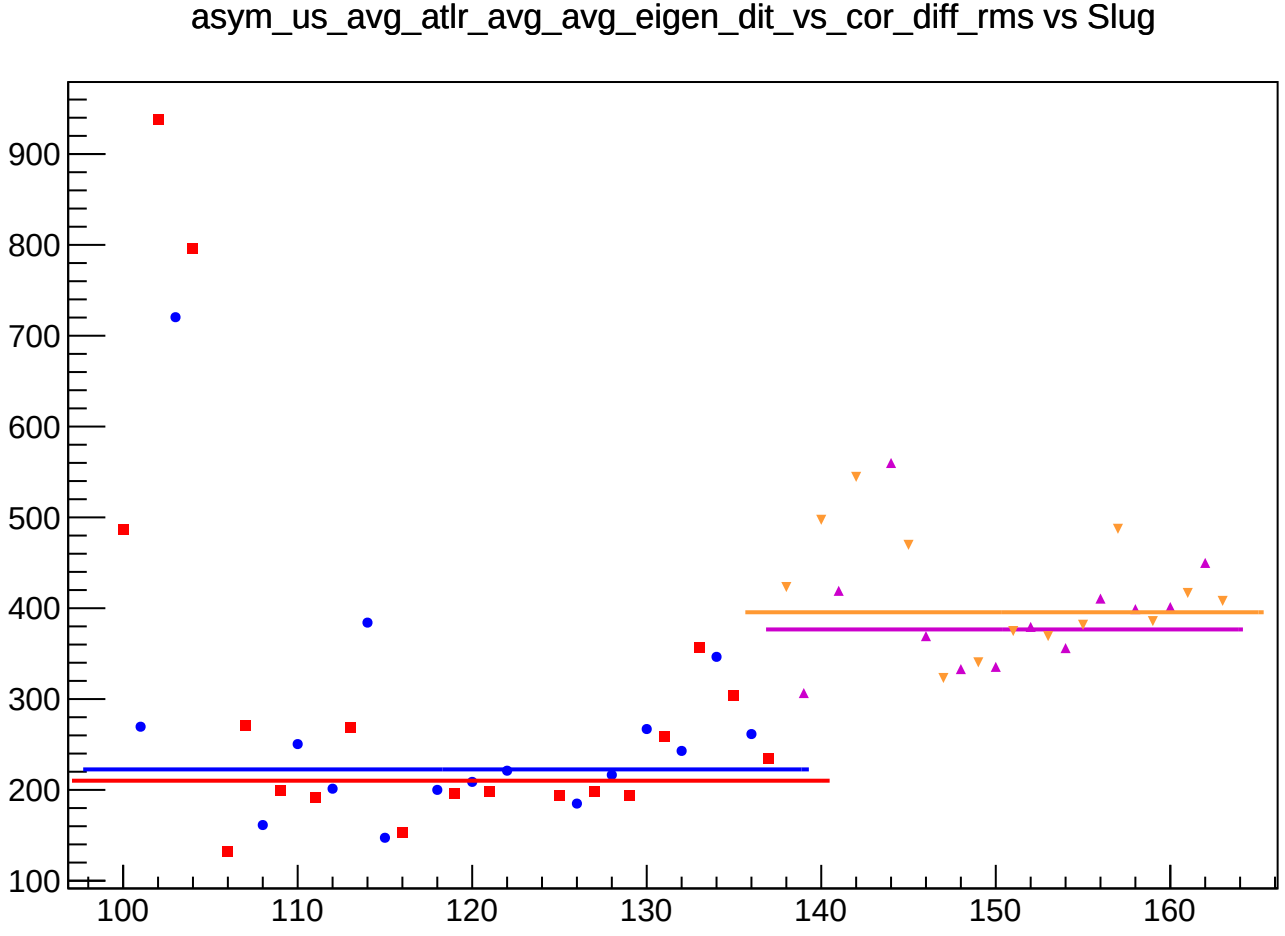
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.007+/-0.120 χ^2/NDF:14.9/11

+ sign -0.053+/-0.072 χ^2/NDF: 36.8/28

All: -0.031+/-0.051 χ^2/NDF: 78.0/58

- sign -0.011+/-0.071 χ^2/NDF: 41.1/29



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 395.557+/-0.089 χ^2/NDF:379028.0/12

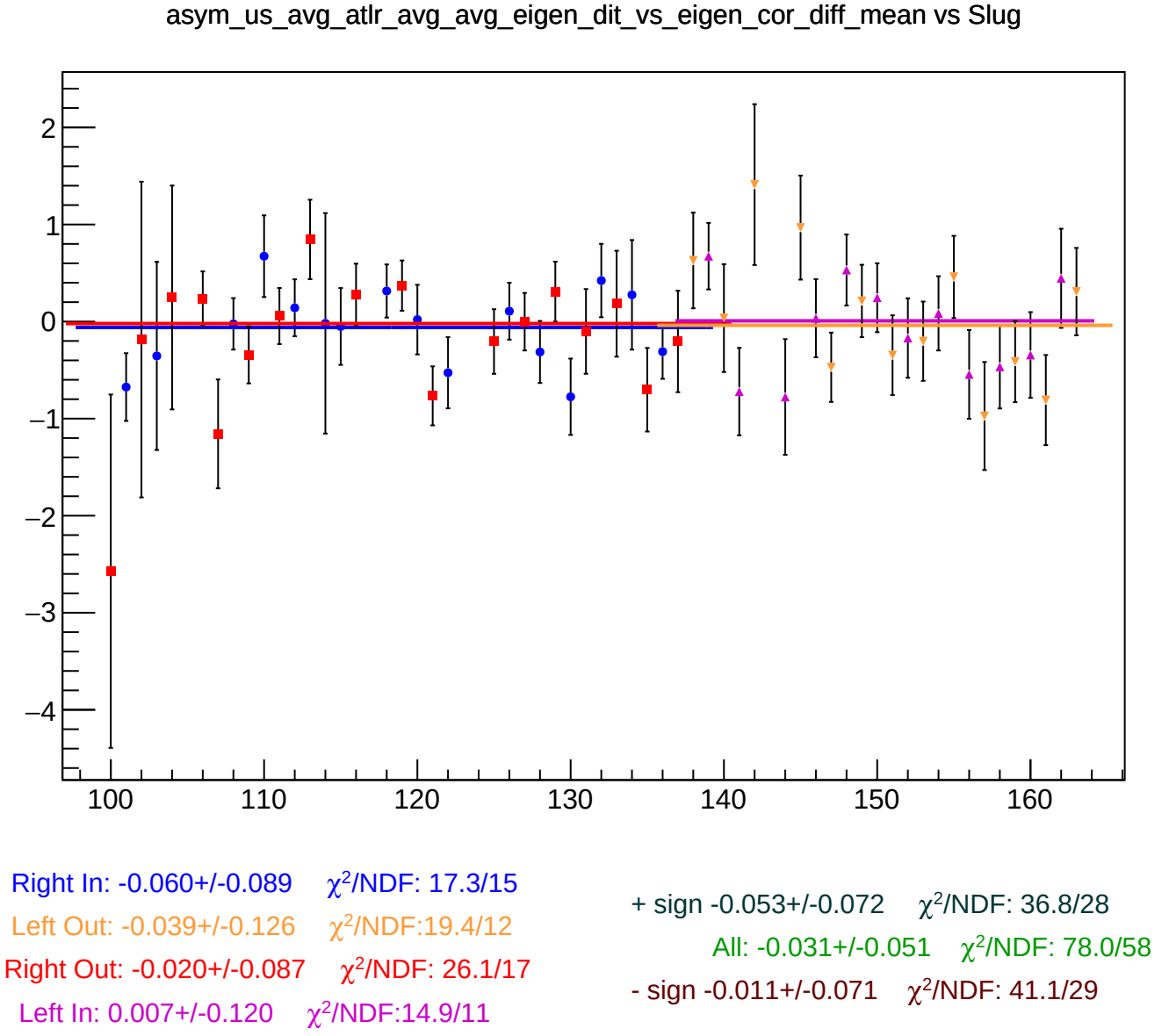
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

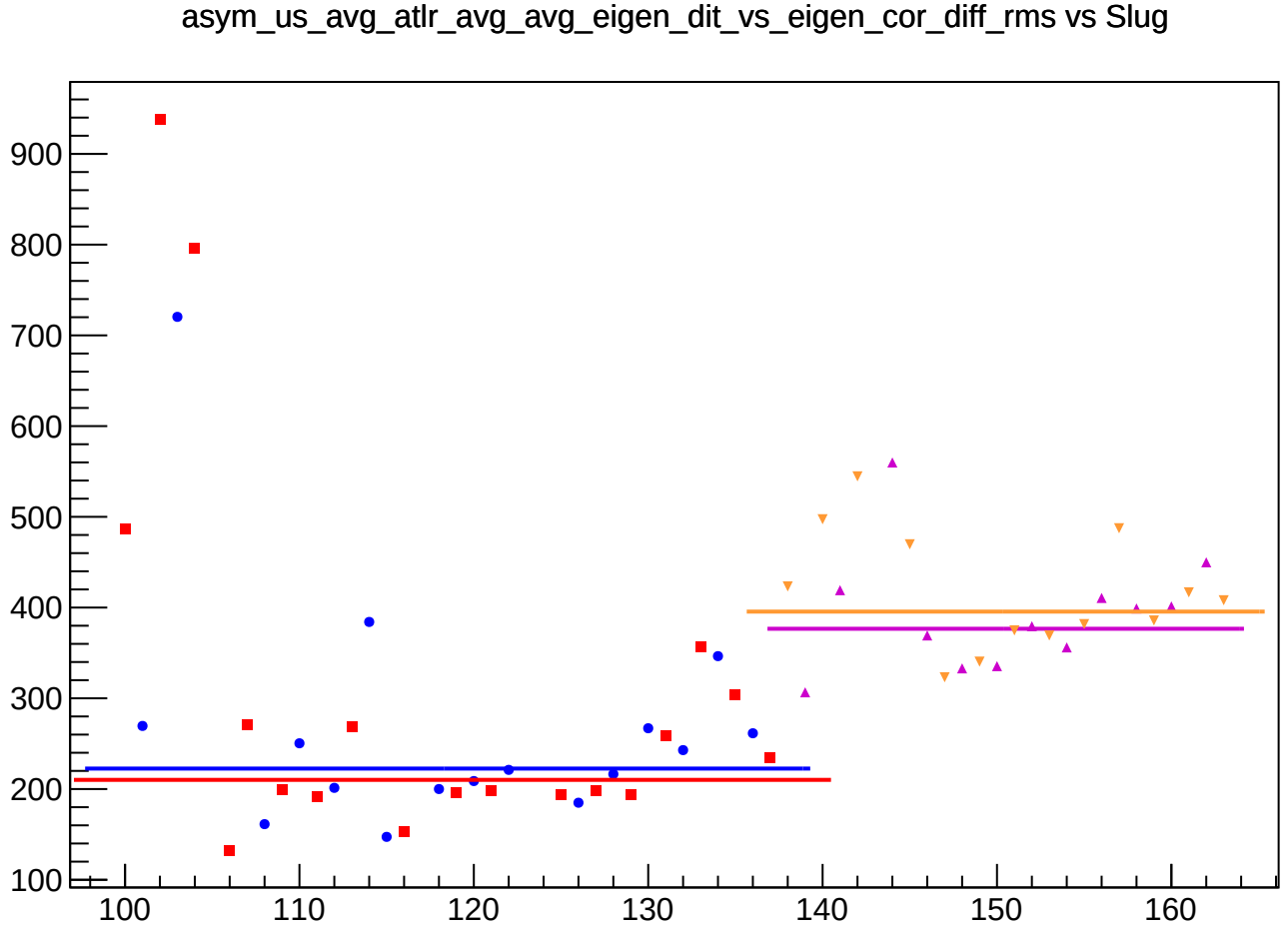
Left In: 376.650+/-0.085 χ^2/NDF:416245.9/11

+ sign 280.057+/-0.051 χ^2/NDF: 3928330.7/28

All: 273.907+/-0.036 χ^2/NDF: 8446088.1/58

- sign 268.067+/-0.050 χ^2/NDF: 4489658.0/29


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
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.039+/-0.126 χ²/NDF:19.4/12
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.007+/-0.120 χ²/NDF:14.9/11
+ sign -0.053+/-0.072 χ²/NDF: 36.8/28
All: -0.031+/-0.051 χ²/NDF: 78.0/58
- sign -0.011+/-0.071 χ²/NDF: 41.1/29



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 395.557+/-0.089 χ^2/NDF:379028.0/12

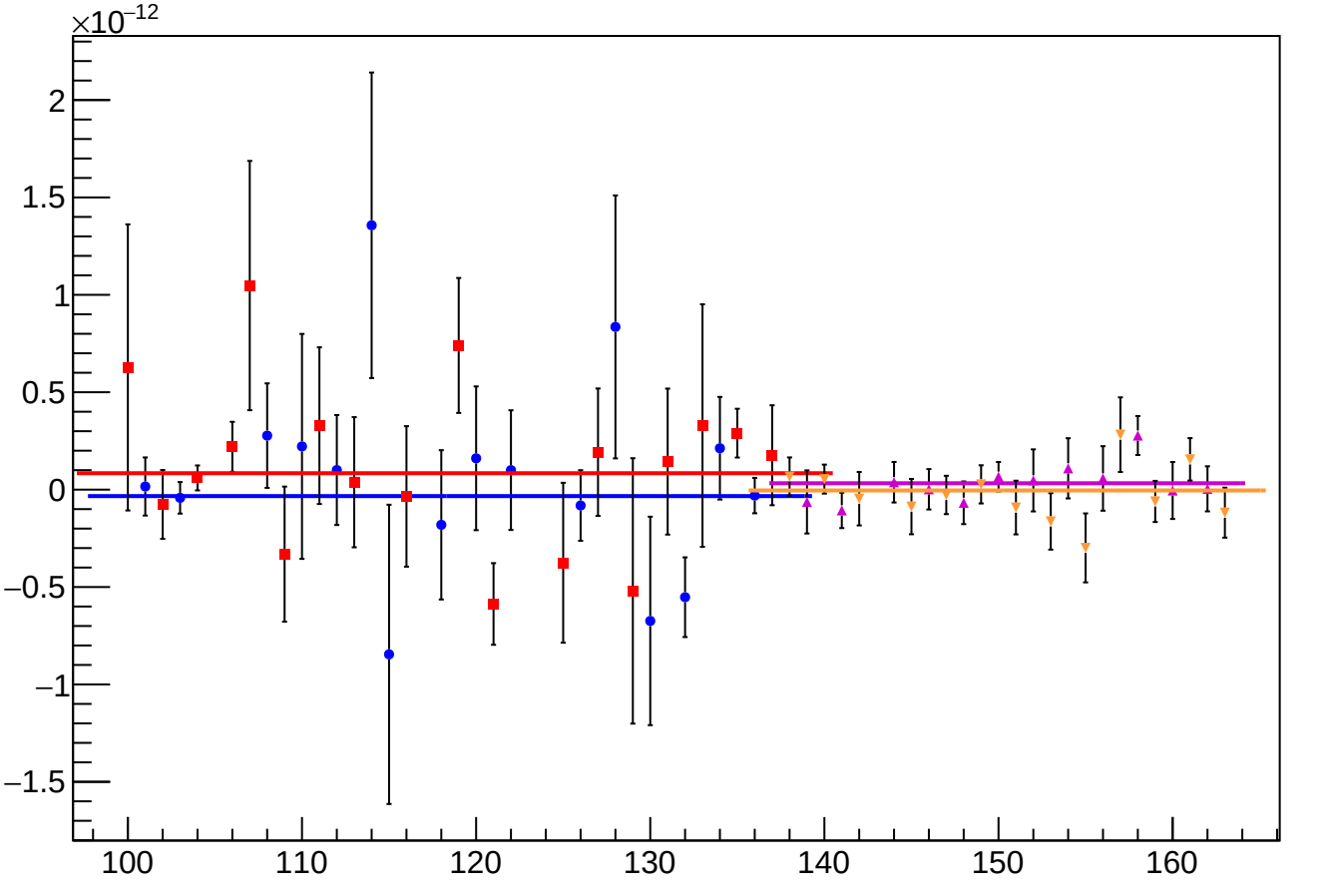
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 376.650+/-0.085 χ^2/NDF:416245.9/11

+ sign 280.057+/-0.051 χ^2/NDF: 3928330.7/28

All: 273.907+/-0.036 χ^2/NDF: 8446088.1/58

- sign 268.067+/-0.050 χ^2/NDF: 4489658.0/29



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/12

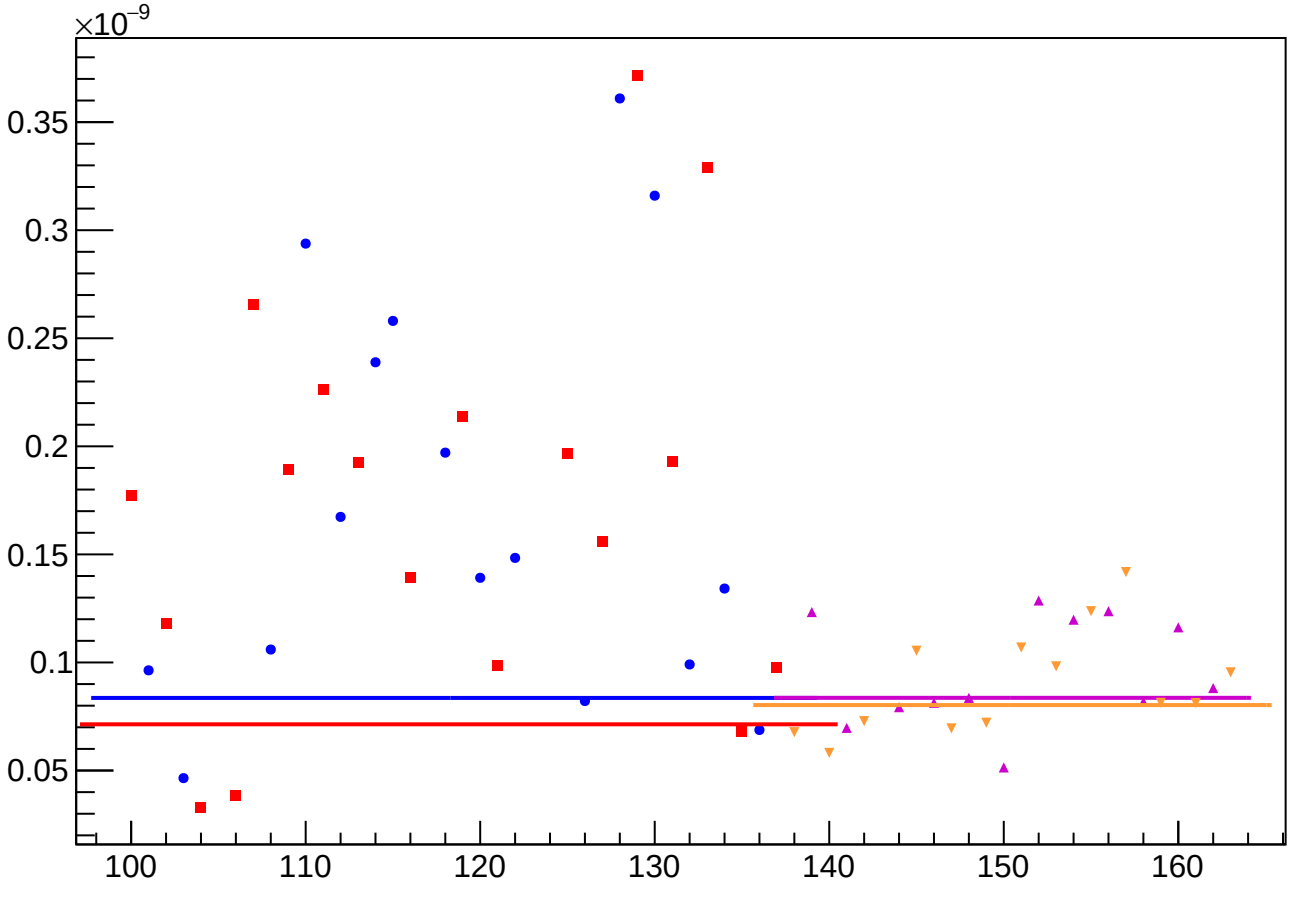
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/28

All: 0.000+/-0.000 χ^2/NDF: 69.0/58

- sign 0.000+/-0.000 χ^2/NDF: 36.9/29



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:776506.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

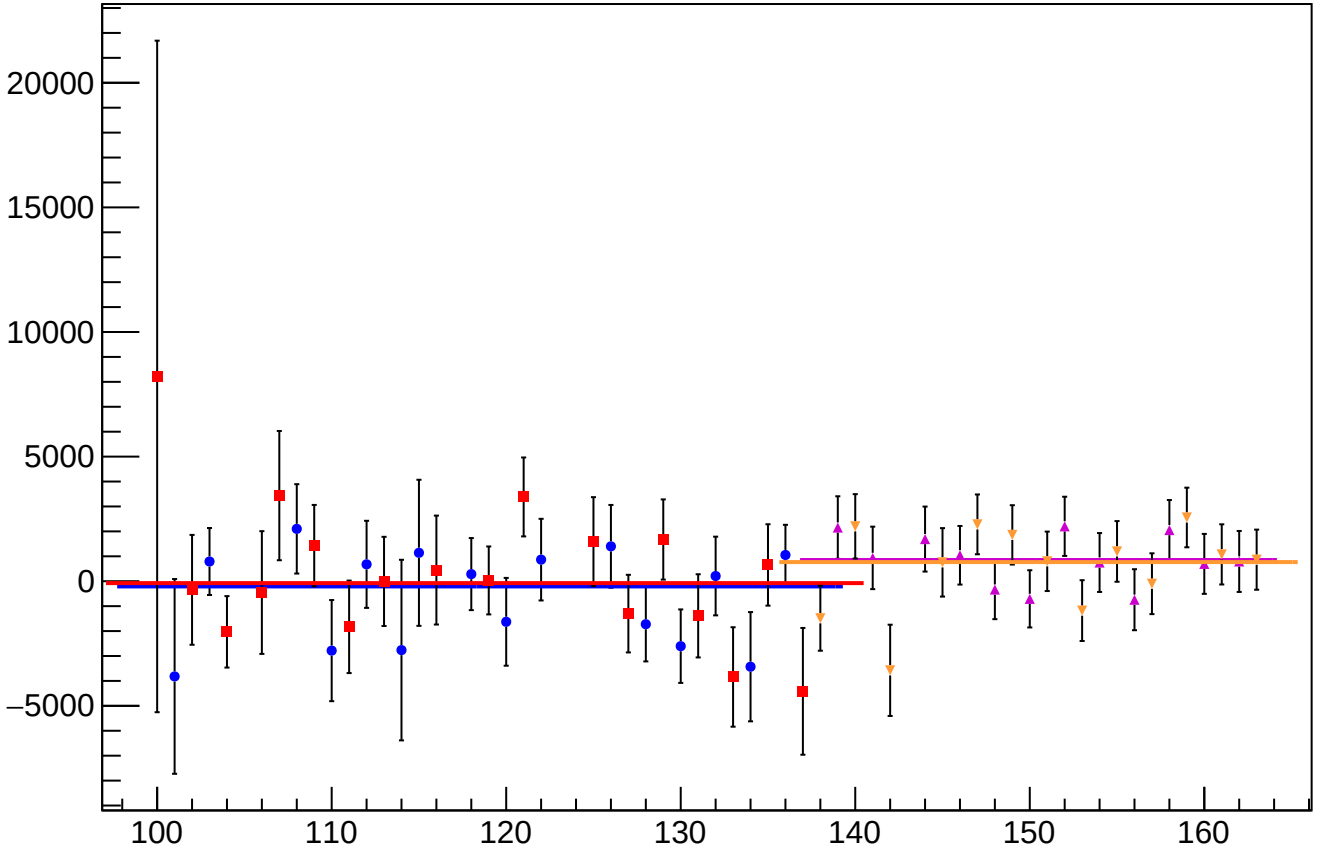
Left In: 0.000+/-0.000 χ^2/NDF:1024737.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3018693.2/28

All: 0.000+/-0.000 χ^2/NDF: 7893631.1/58

- sign 0.000+/-0.000 χ^2/NDF: 4869235.1/29

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.126+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

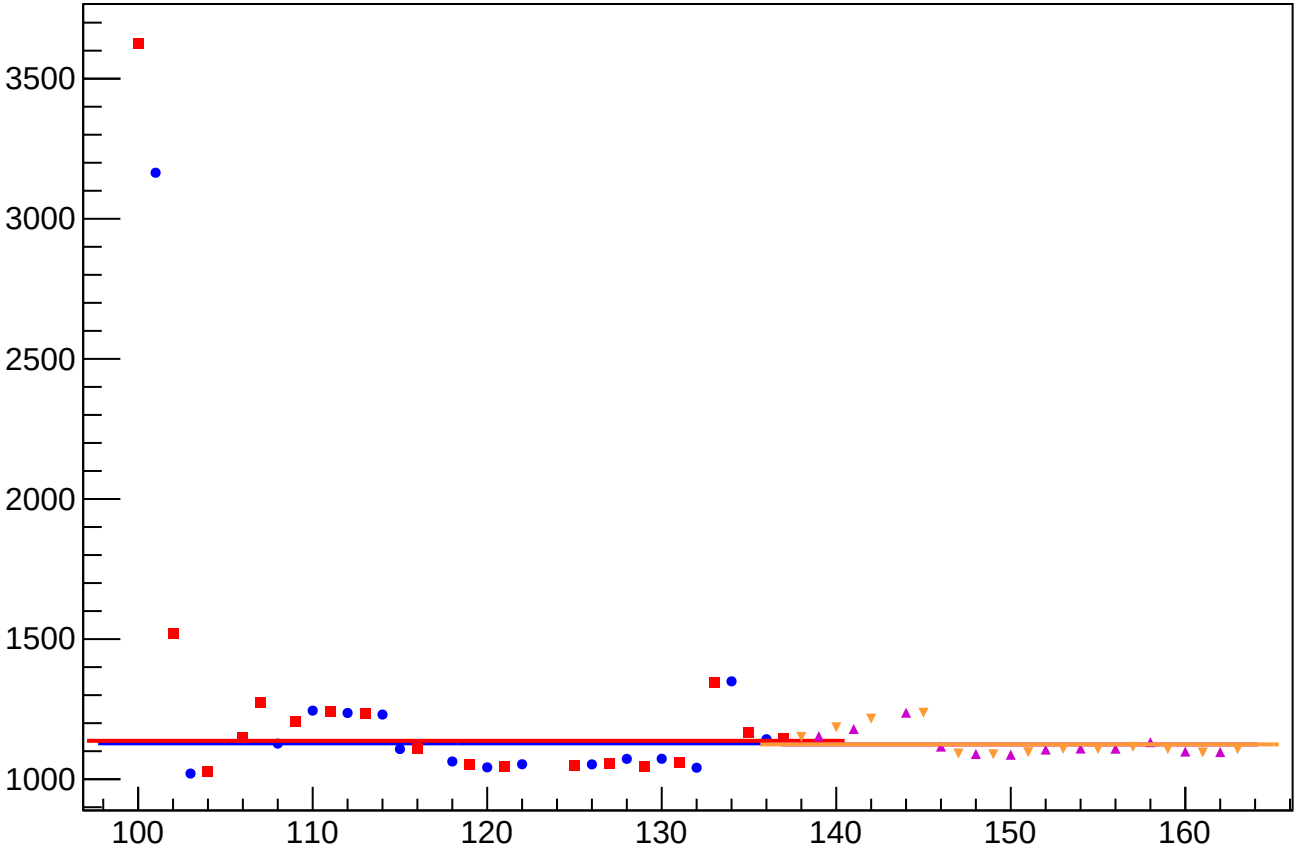
Left In: 850.625+/-349.413 χ^2/NDF:8.4/11

+ sign 379.544+/-270.724 χ^2/NDF: 35.7/28

All: 431.172+/-191.656 χ^2/NDF: 67.6/58

- sign 483.044+/-271.363 χ^2/NDF: 31.8/29

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

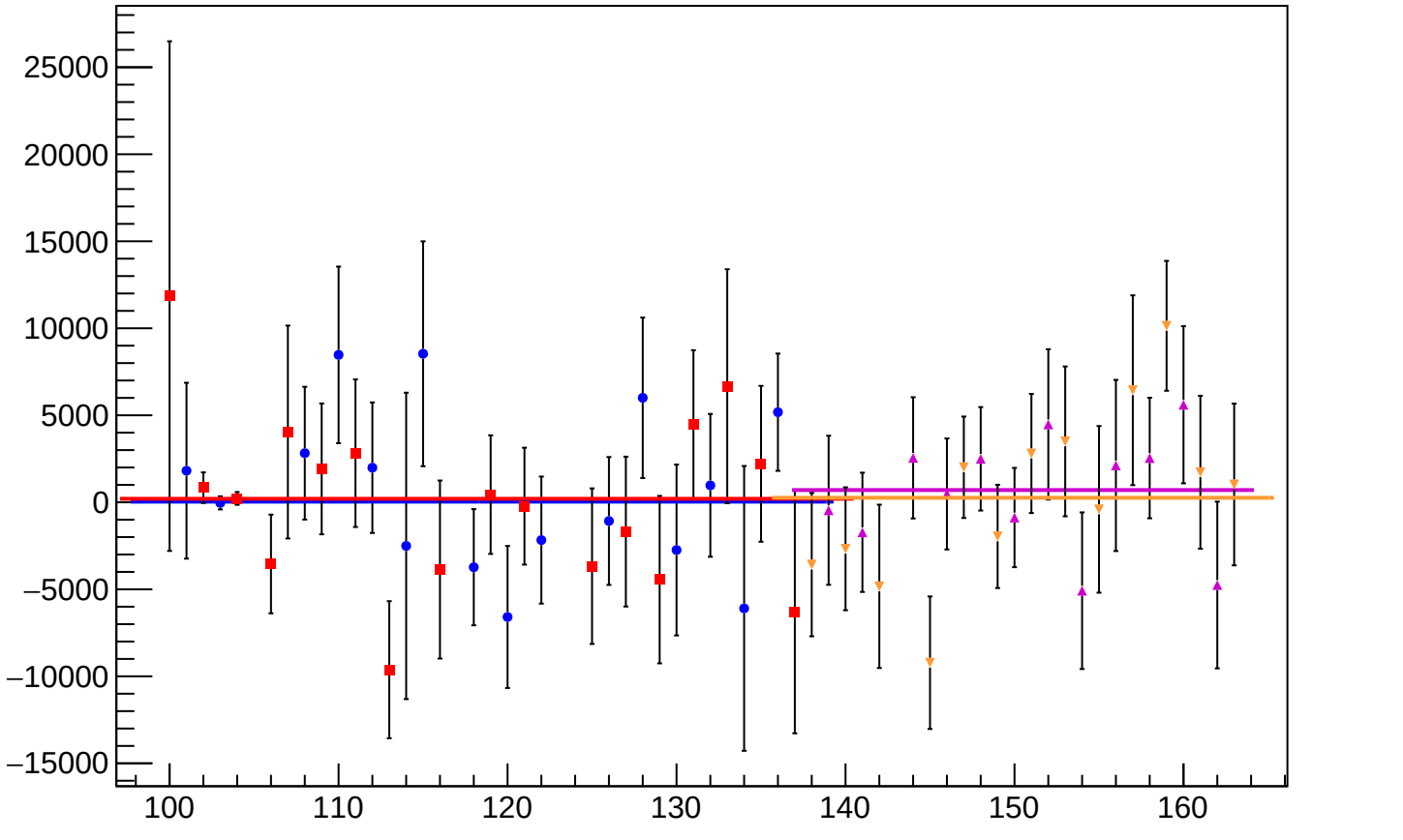
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

+ sign 1125.757+/-0.191 χ^2/NDF: 652437.9/28

All: 1127.485+/-0.135 χ^2/NDF: 900668.6/58

- sign 1129.220+/-0.192 χ^2/NDF: 248067.4/29



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: 259.719+/-1071.301 χ^2/NDF:19.4/12

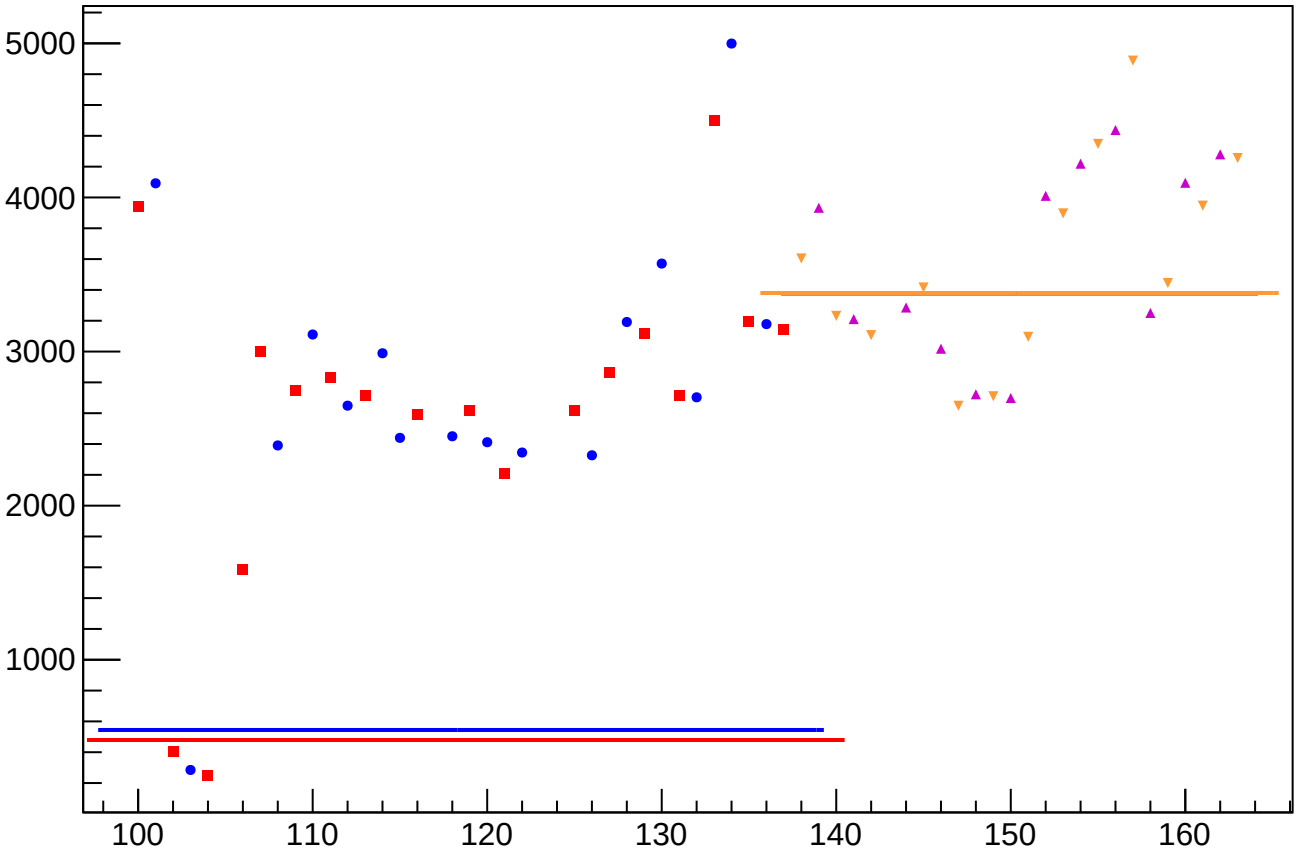
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 704.022+/-1067.960 χ^2/NDF:6.8/11

+ sign 60.504+/-339.245 χ^2/NDF: 34.3/28

All: 160.663+/-228.349 χ^2/NDF: 57.1/58

- sign 243.636+/-308.770 χ^2/NDF: 22.6/29



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3380.126+/-0.758 χ^2/NDF:626615.6/12

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

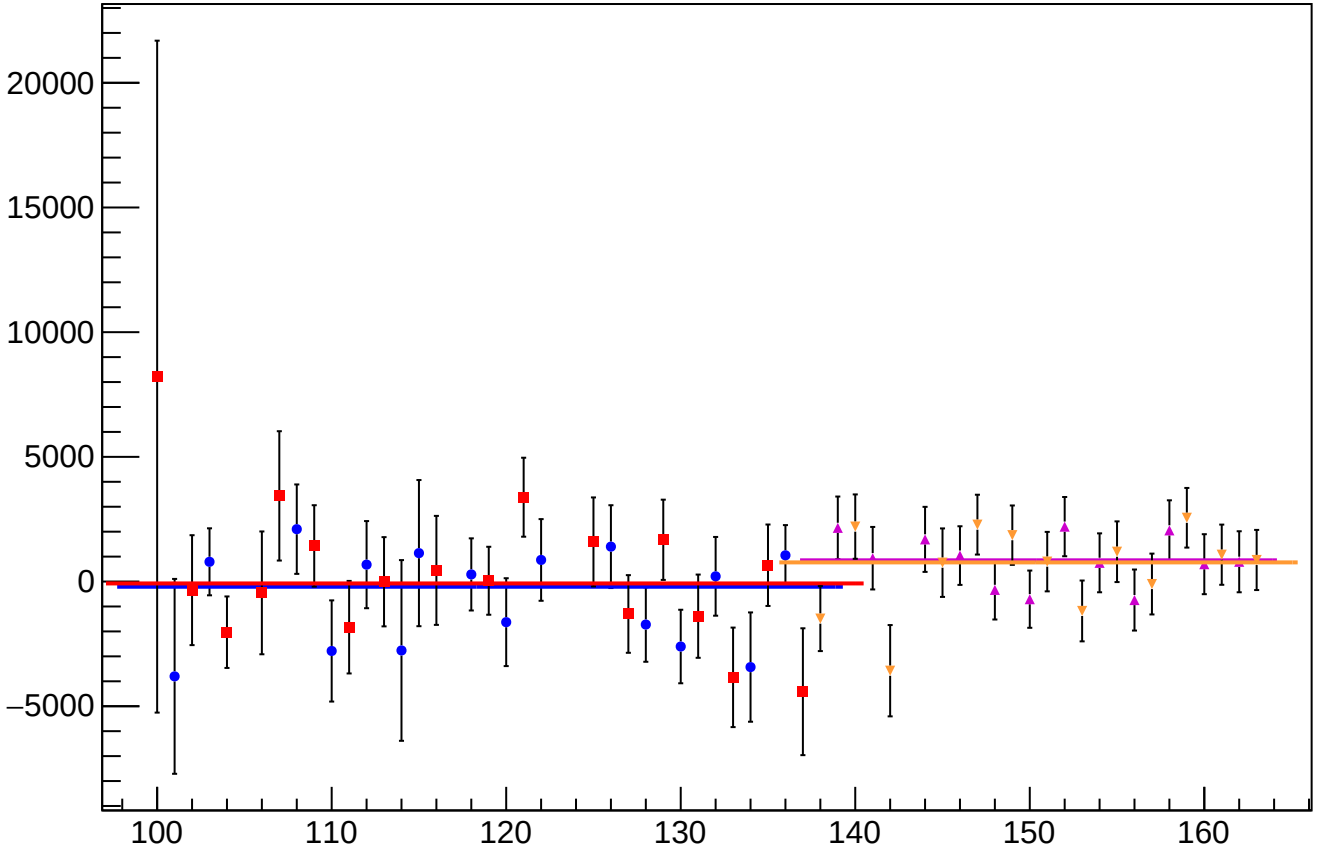
Left In: 3376.413+/-0.755 χ^2/NDF:605514.2/11

+ sign 828.703+/-0.240 χ^2/NDF: 22918091.4/28

All: 770.032+/-0.161 χ^2/NDF: 46309183.8/58

- sign 721.429+/-0.218 χ^2/NDF: 23281718.4/29

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

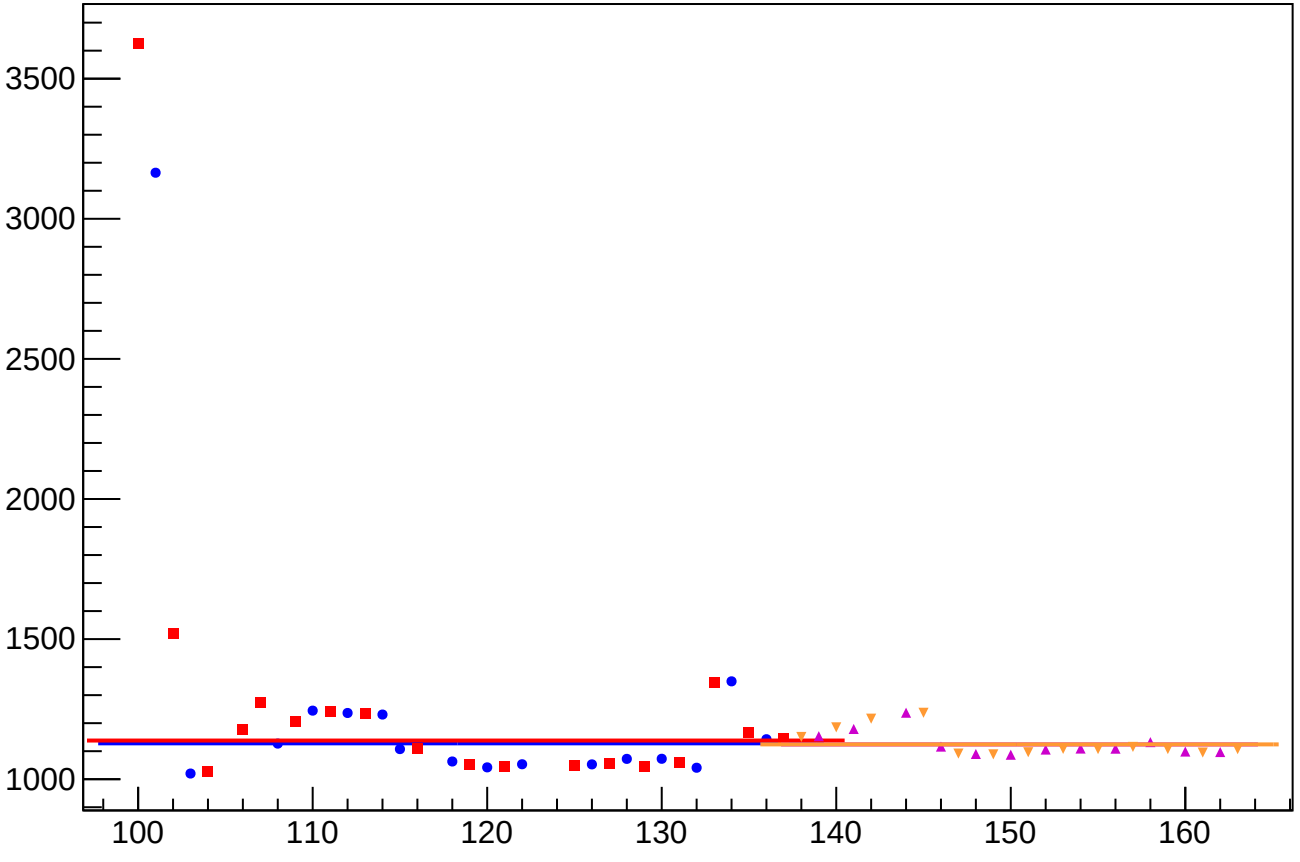
Left In: 850.651+/-349.413 χ^2/NDF:8.4/11

+ sign 379.656+/-270.724 χ^2/NDF: 35.7/28

All: 431.207+/-191.656 χ^2/NDF: 67.5/58

- sign 483.002+/-271.363 χ^2/NDF: 31.8/29

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

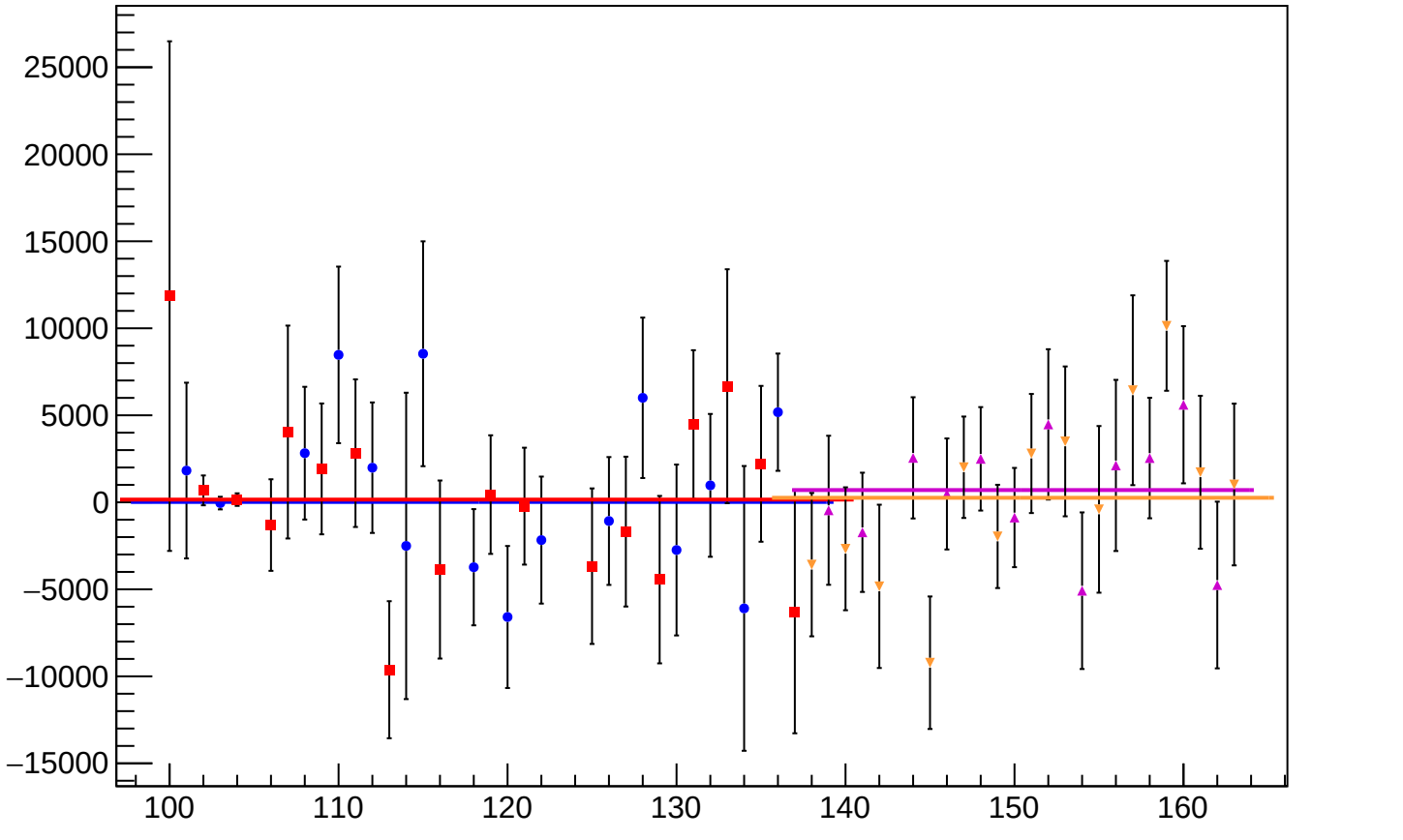
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

+ sign 1125.757+/-0.191 χ^2/NDF: 652439.0/28

All: 1127.671+/-0.136 χ^2/NDF: 901411.3/58

- sign 1129.592+/-0.192 χ^2/NDF: 248772.0/29



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 259.744+/-1071.301 χ^2/NDF:19.4/12

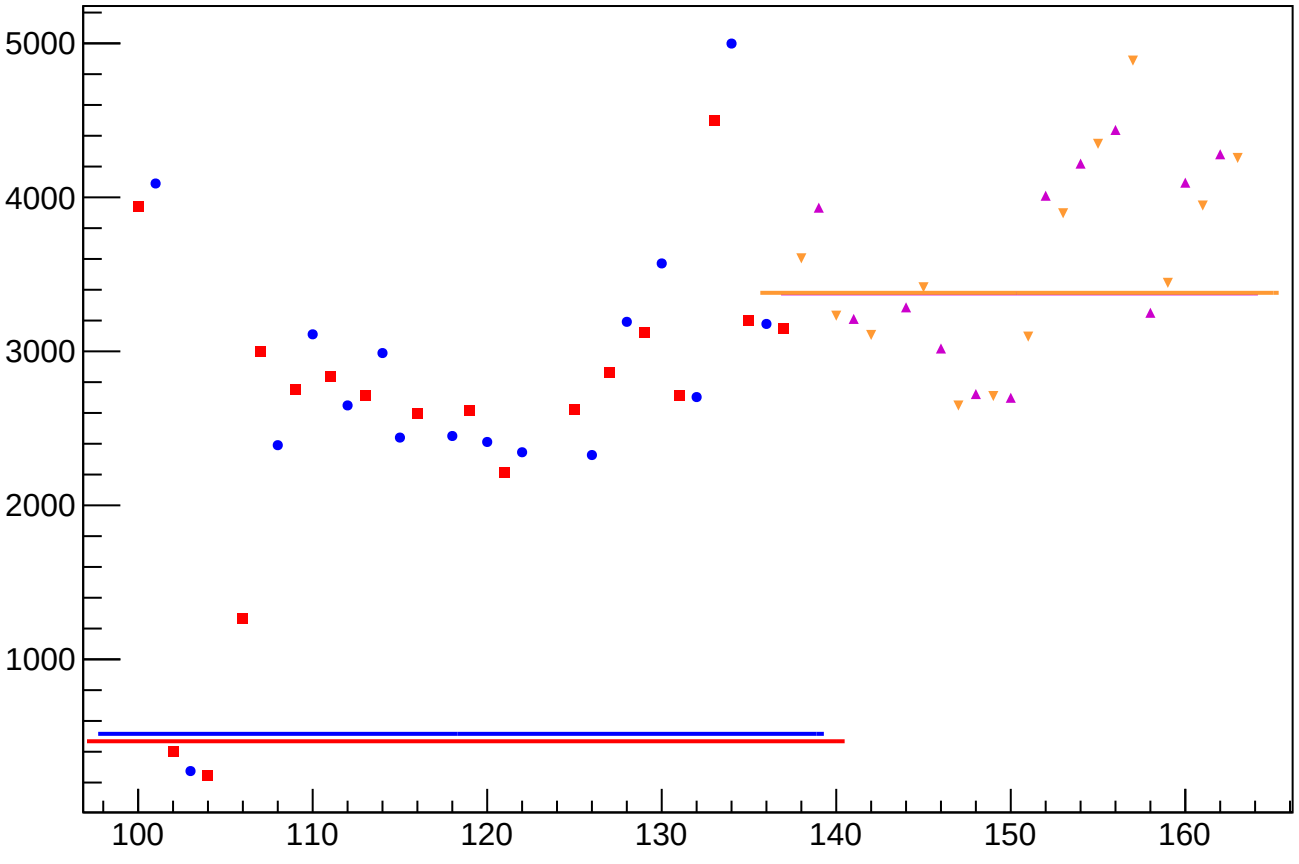
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 704.029+/-1067.960 χ^2/NDF:6.8/11

+ sign 43.962+/-327.982 χ^2/NDF: 34.3/28

All: 128.205+/-223.043 χ^2/NDF: 55.5/58

- sign 200.682+/-304.218 χ^2/NDF: 21.0/29



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

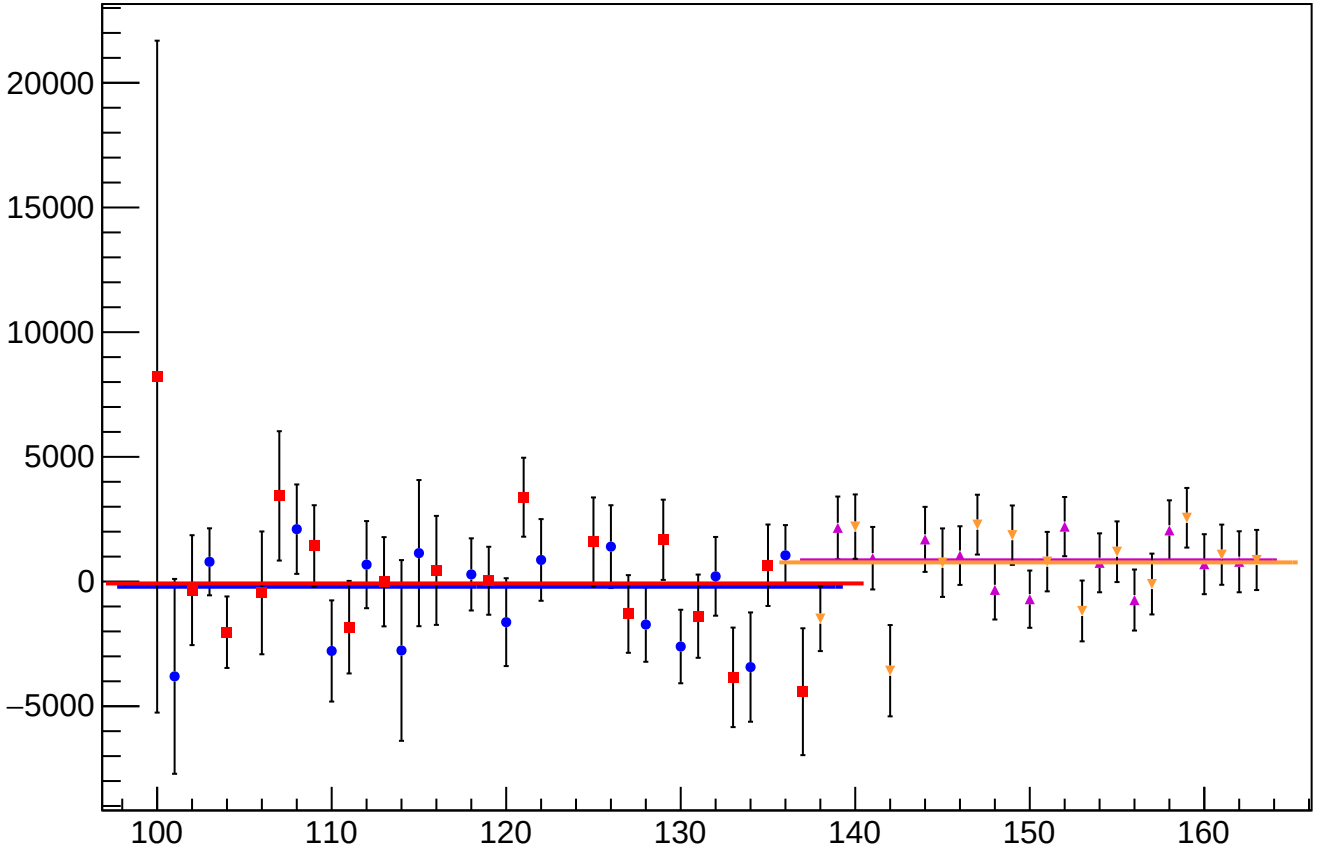
Left In: 3376.412+/-0.755 χ^2/NDF:605518.5/11

+ sign 784.723+/-0.232 χ^2/NDF: 23413949.4/28

All: 741.362+/-0.158 χ^2/NDF: 46824638.9/58

- sign 704.058+/-0.215 χ^2/NDF: 23345660.6/29

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: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

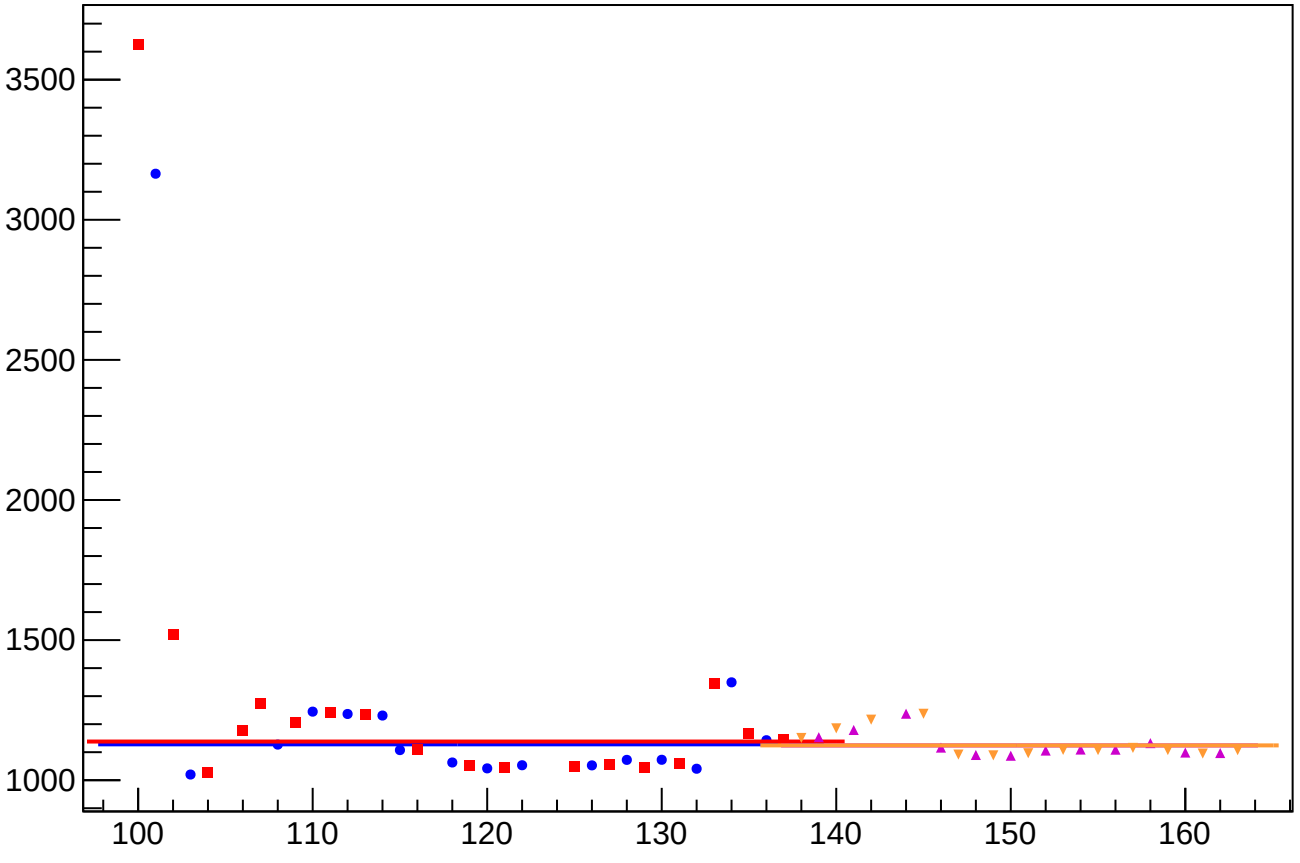
Left In: 850.651+/-349.413 χ^2/NDF:8.4/11

+ sign 379.656+/-270.724 χ^2/NDF: 35.7/28

All: 431.207+/-191.656 χ^2/NDF: 67.5/58

- sign 483.002+/-271.363 χ^2/NDF: 31.8/29

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: 1124.269+/-0.247 χ^2/NDF:30952.1/12

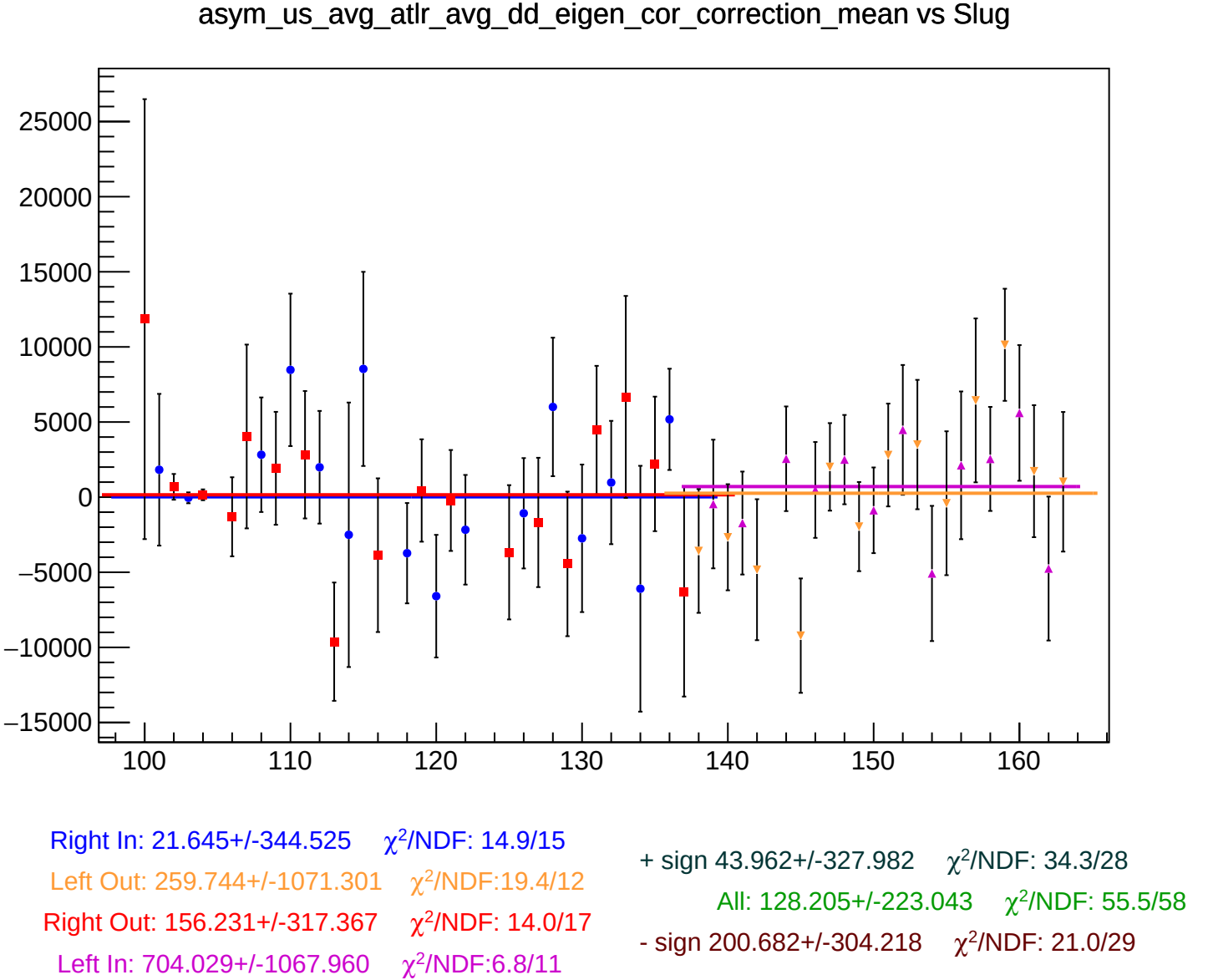
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

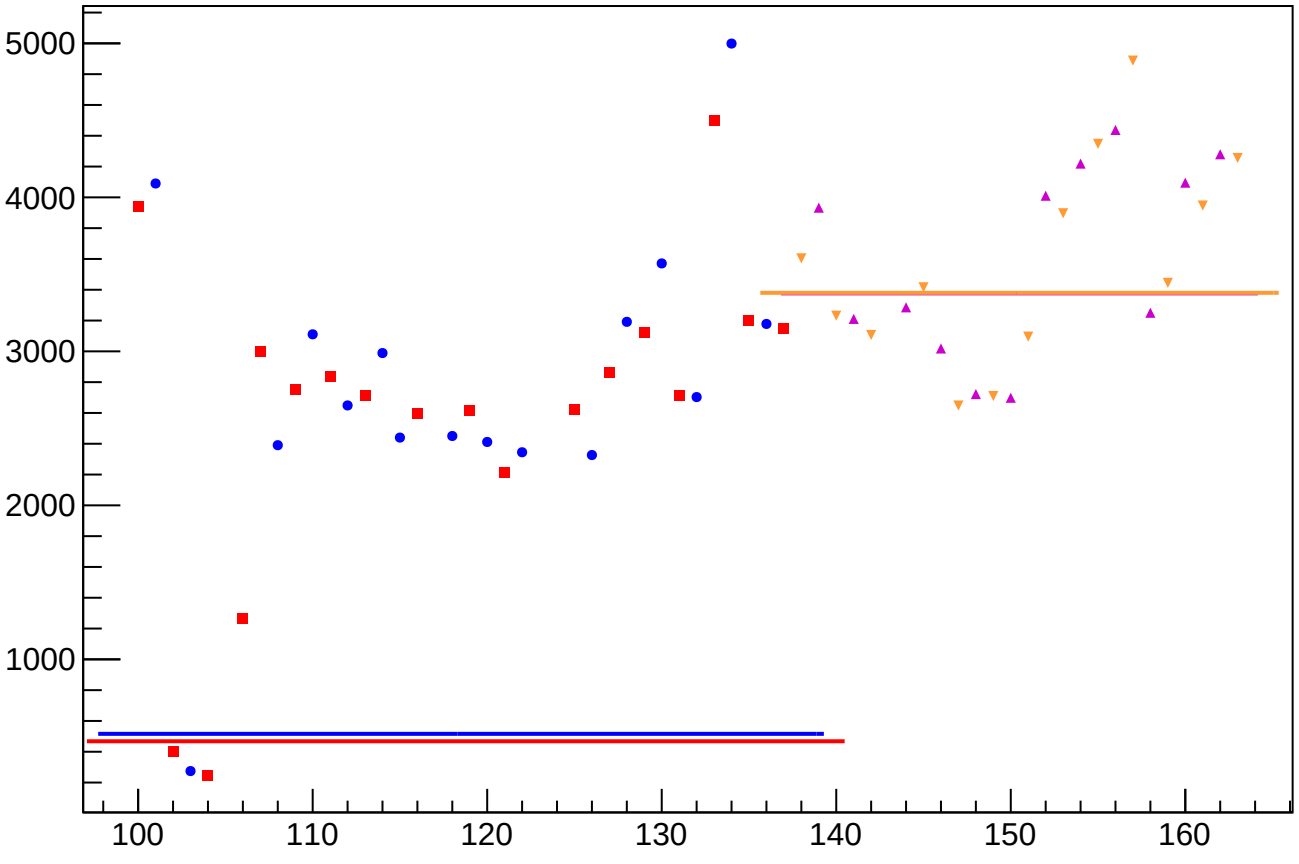
Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

+ sign 1125.757+/-0.191 χ^2/NDF: 652439.0/28

All: 1127.671+/-0.136 χ^2/NDF: 901411.3/58

- sign 1129.592+/-0.192 χ^2/NDF: 248772.0/29


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 259.744+/-1071.301 χ²/NDF:19.4/12
Right Out: 156.231+/-317.367 χ²/NDF: 14.0/17
Left In: 704.029+/-1067.960 χ²/NDF:6.8/11
+ sign 43.962+/-327.982 χ²/NDF: 34.3/28
All: 128.205+/-223.043 χ²/NDF: 55.5/58
- sign 200.682+/-304.218 χ²/NDF: 21.0/29



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

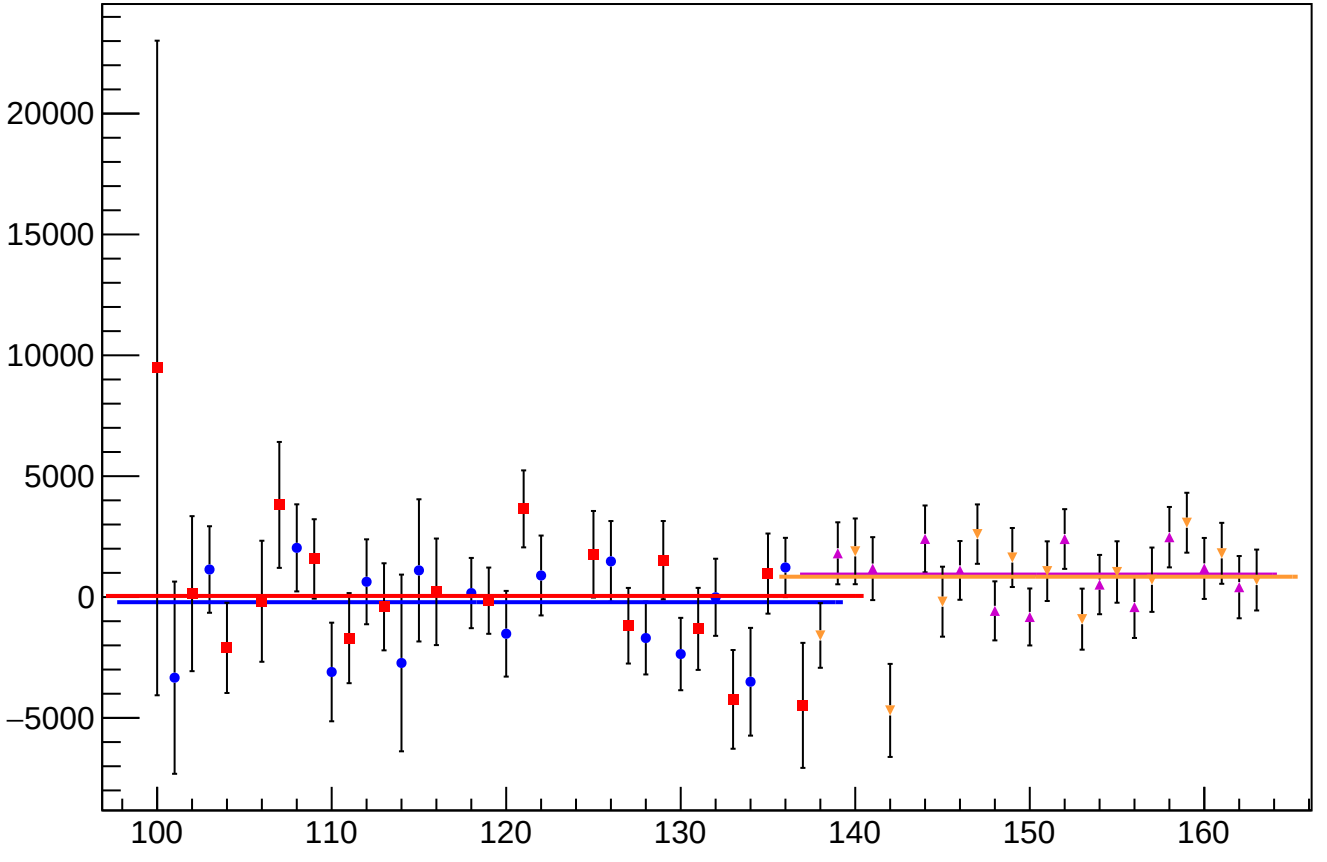
Left In: 3376.412+/-0.755 χ^2/NDF:605518.5/11

+ sign 784.723+/-0.232 χ^2/NDF: 23413949.4/28

All: 741.362+/-0.158 χ^2/NDF: 46824638.9/58

- sign 704.058+/-0.215 χ^2/NDF: 23345660.6/29

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 840.880+/-363.743 χ^2/NDF:21.0/12

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

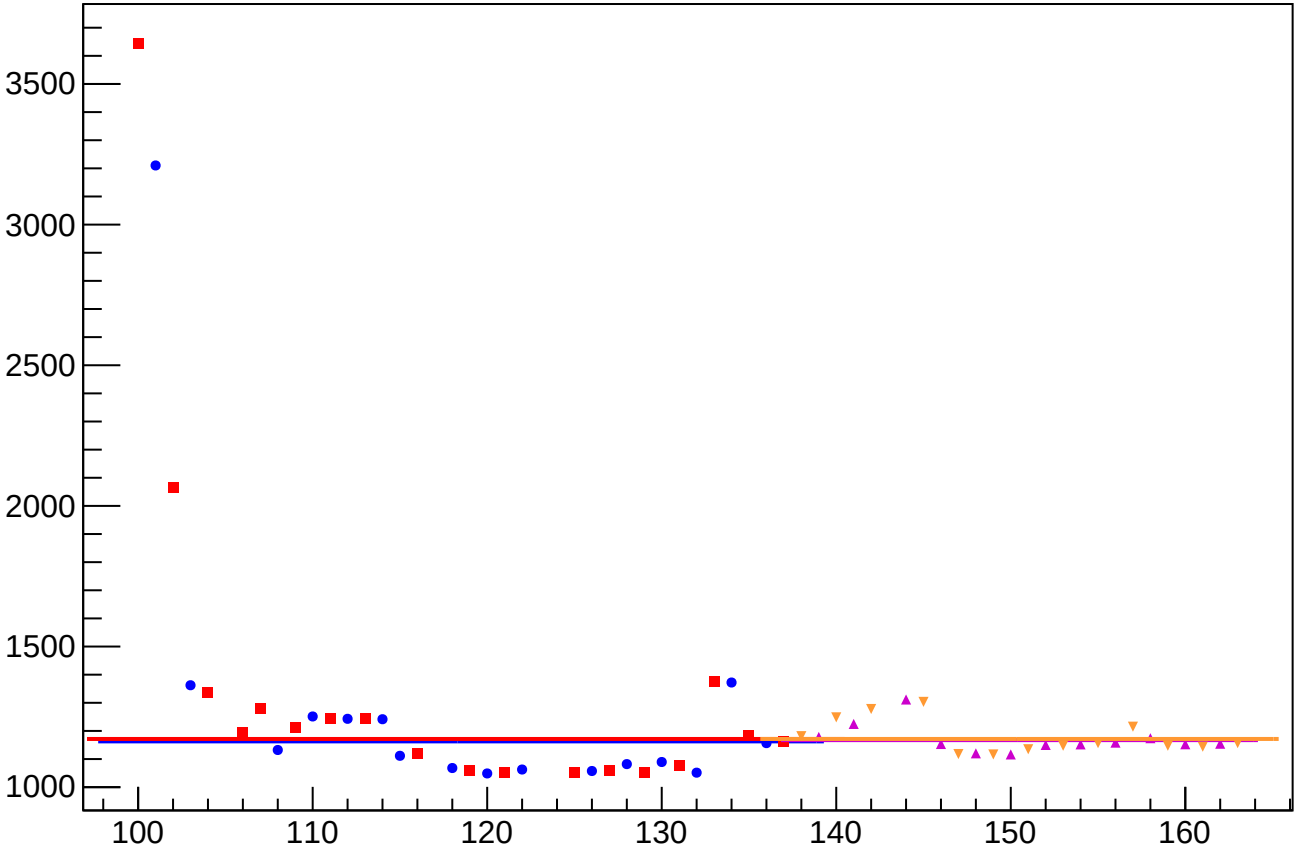
Left In: 929.700+/-362.960 χ^2/NDF:9.8/11

+ sign 416.093+/-281.040 χ^2/NDF: 38.7/28

All: 497.115+/-199.002 χ^2/NDF: 72.7/58

- sign 578.589+/-281.824 χ^2/NDF: 33.8/29

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1171.478+/-0.257 χ^2/NDF:43956.5/12

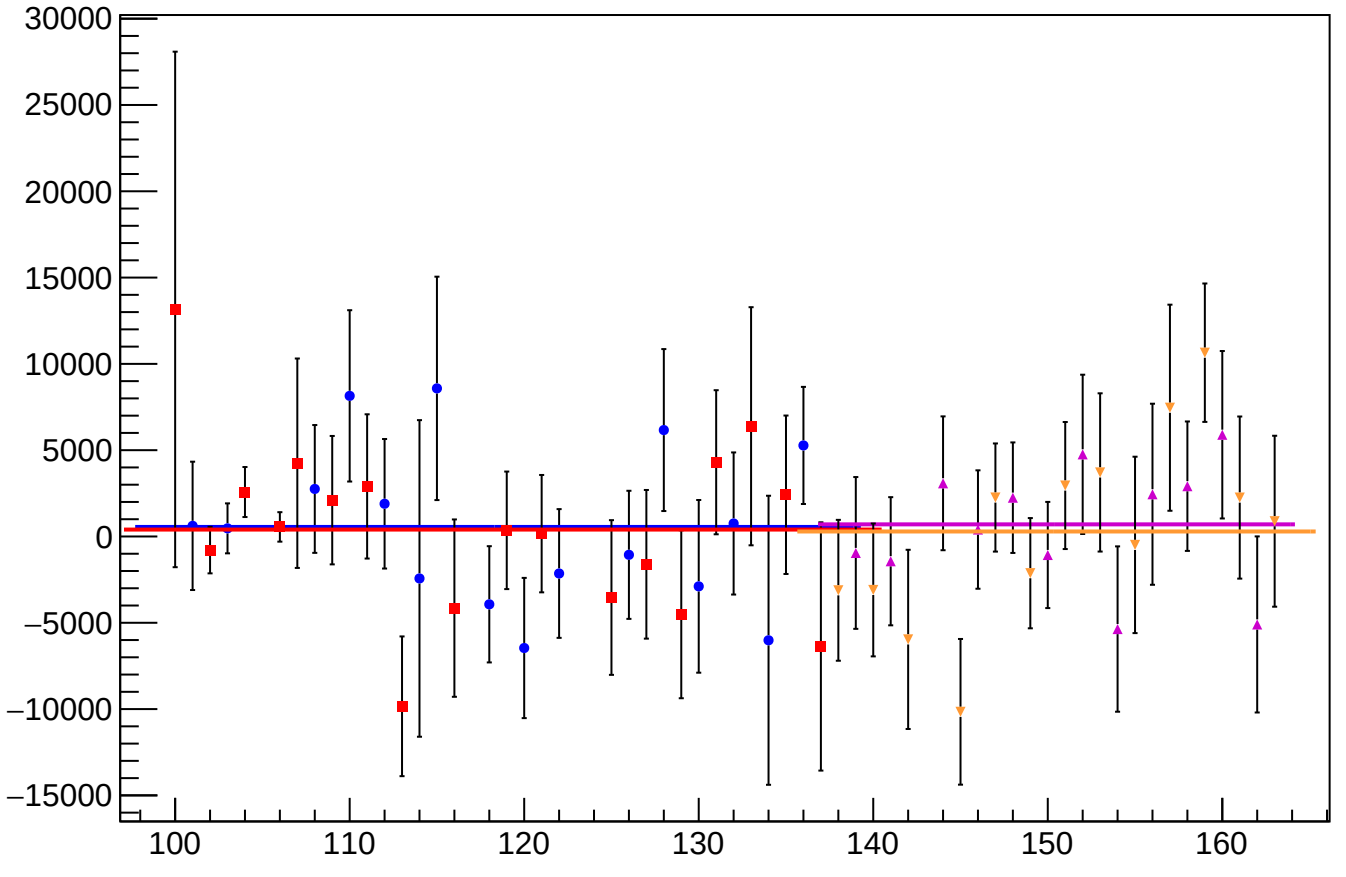
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.307+/-0.257 χ^2/NDF:34113.4/11

+ sign 1168.001+/-0.199 χ^2/NDF: 679763.4/28

All: 1168.470+/-0.141 χ^2/NDF: 1045652.7/58

- sign 1168.942+/-0.199 χ^2/NDF: 365878.2/29



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 289.713+/-1149.485 χ^2/NDF:19.4/12

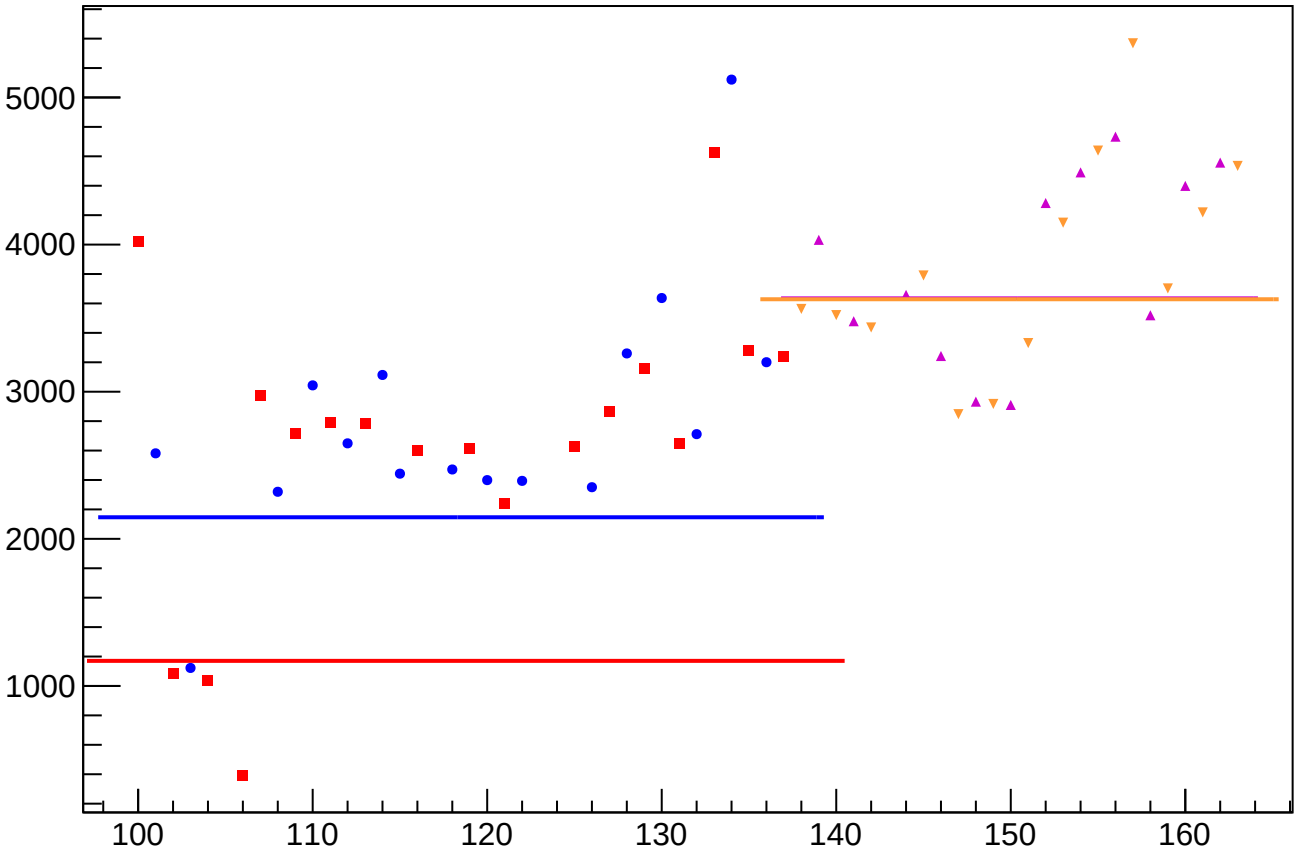
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 702.292+/-1148.582 χ^2/NDF:6.7/11

+ sign 456.225+/-695.796 χ^2/NDF: 33.9/28

All: 458.291+/-410.080 χ^2/NDF: 57.3/58

- sign 459.390+/-507.610 χ^2/NDF: 23.4/29



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3628.464+/-0.813 χ^2/NDF:617547.2/12

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

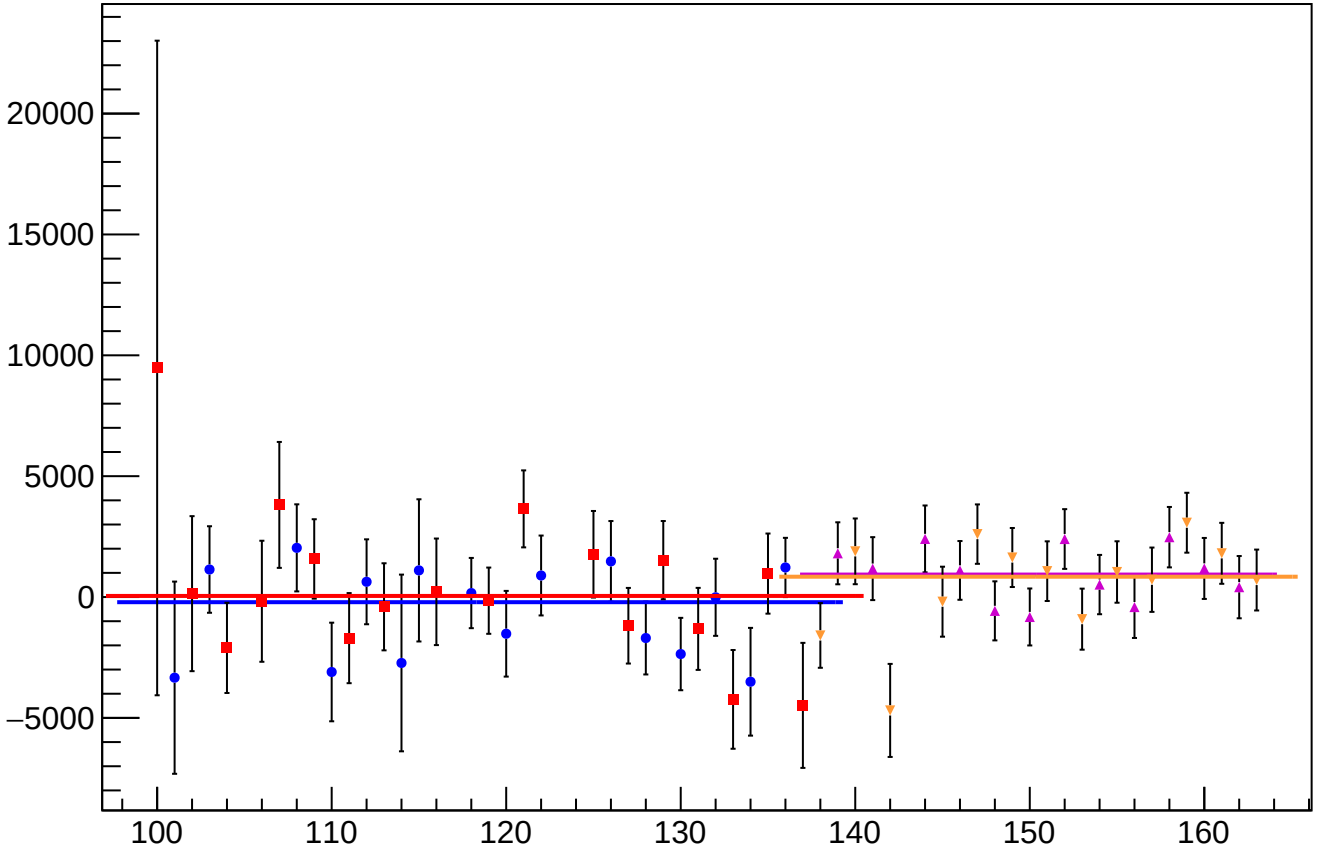
Left In: 3634.597+/-0.812 χ^2/NDF:561340.7/11

+ sign 2689.568+/-0.492 χ^2/NDF: 4698206.7/28

All: 2012.297+/-0.290 χ^2/NDF: 21387122.8/5

- sign 1651.835+/-0.359 χ^2/NDF: 13785466.0/29

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: 840.882+/-363.743 χ^2/NDF:21.0/12

Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

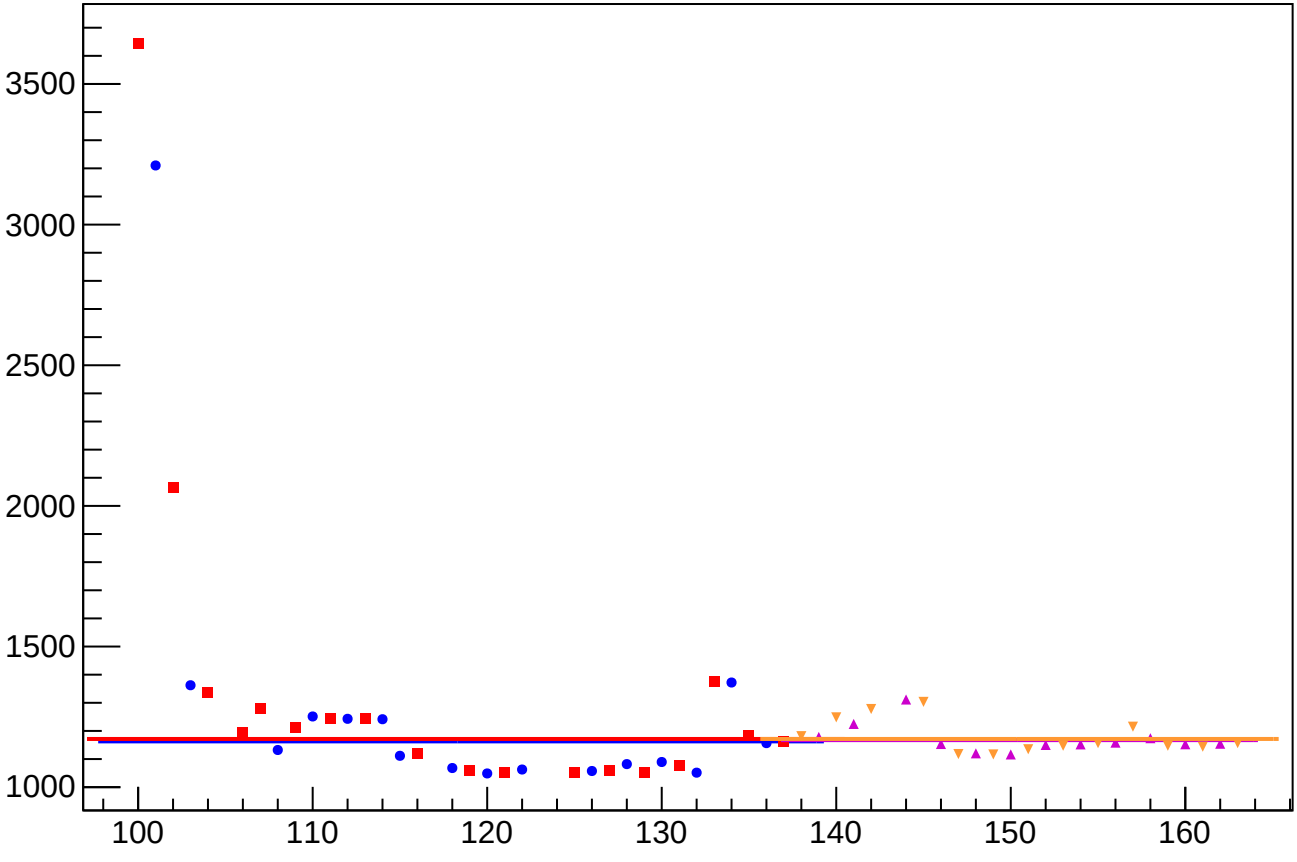
Left In: 929.698+/-362.960 χ^2/NDF:9.8/11

+ sign 416.093+/-281.040 χ^2/NDF: 38.7/28

All: 497.115+/-199.002 χ^2/NDF: 72.7/58

- sign 578.589+/-281.824 χ^2/NDF: 33.8/29

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: 1171.479+/-0.257 χ^2/NDF:43956.8/12

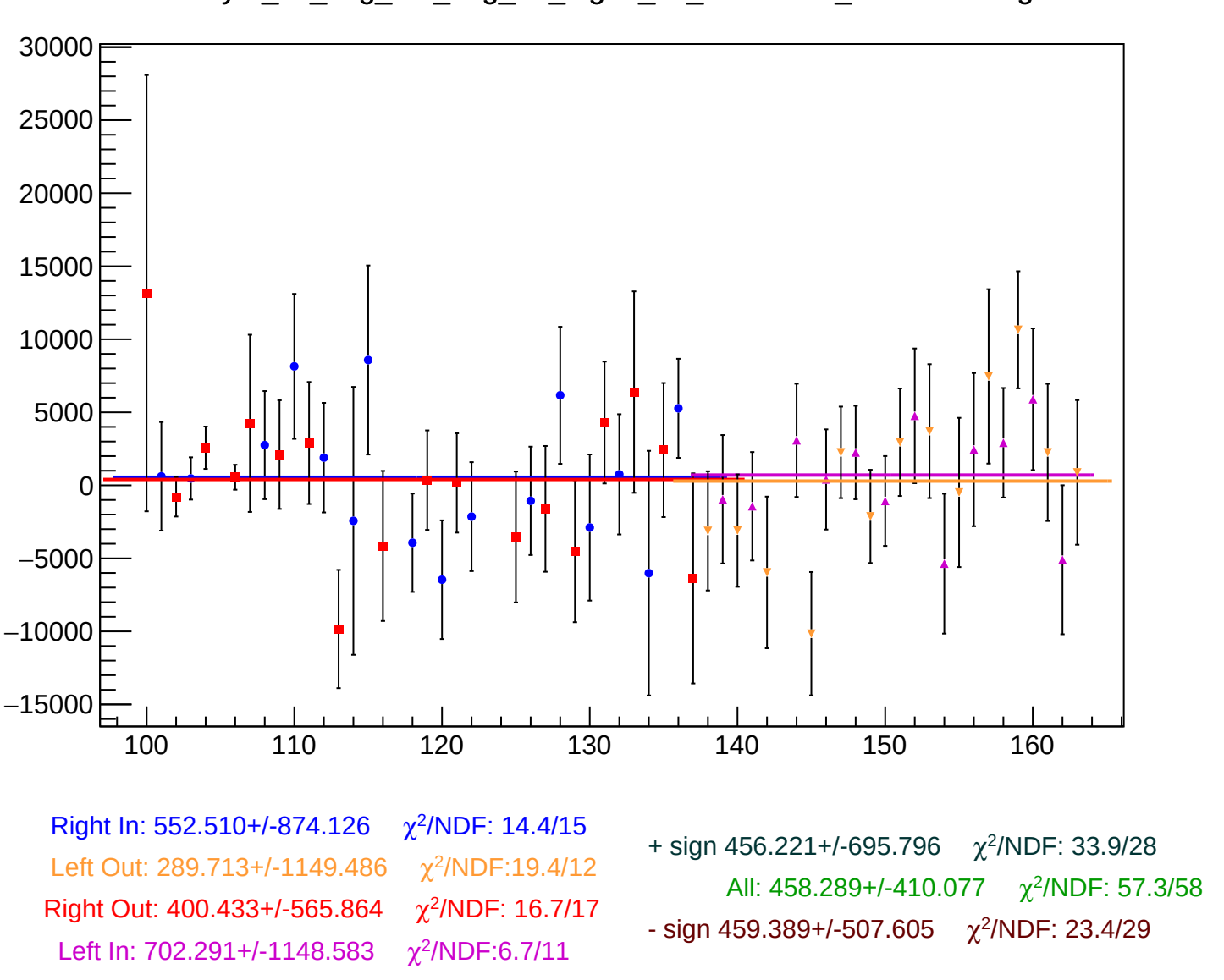
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

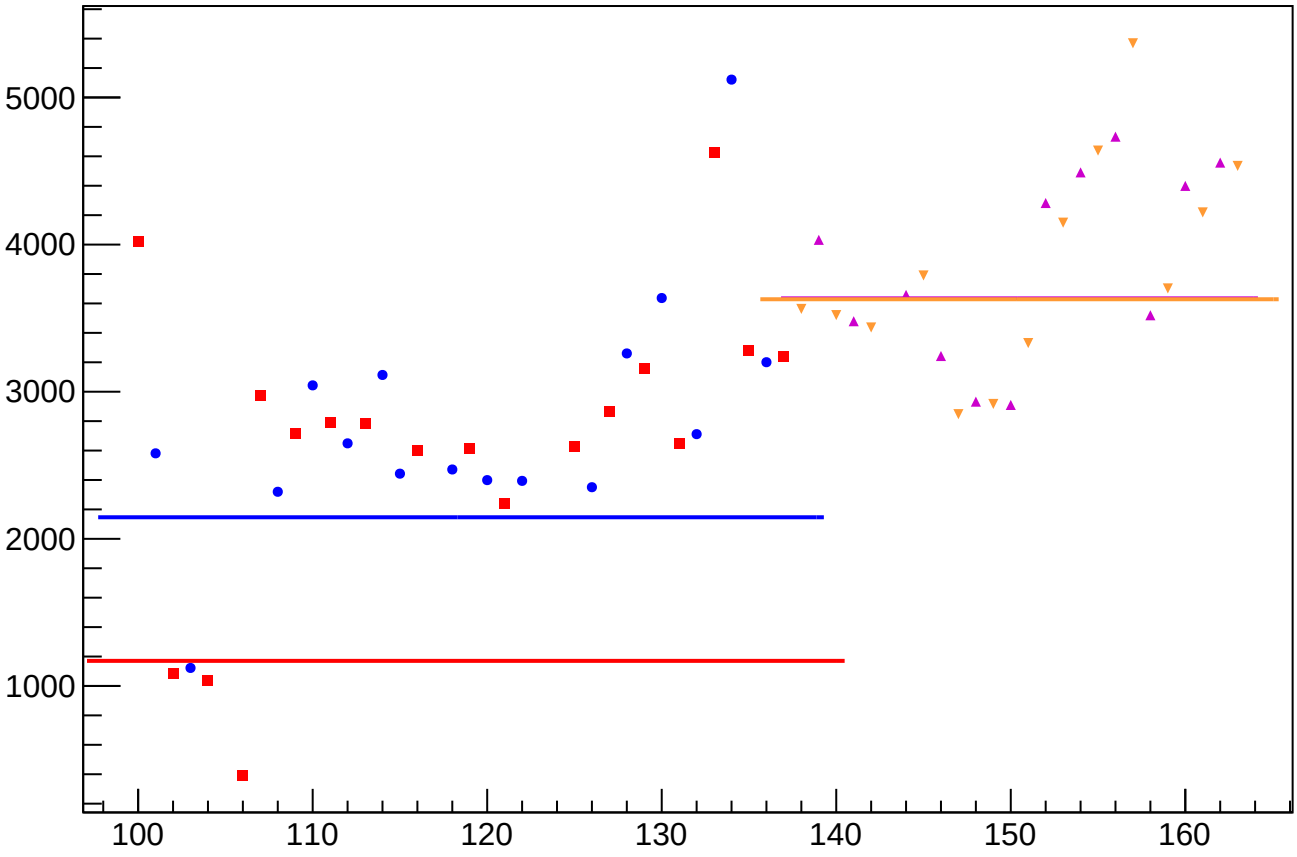
Left In: 1167.308+/-0.257 χ^2/NDF:34113.5/11

+ sign 1168.002+/-0.199 χ^2/NDF: 679763.9/28

All: 1168.471+/-0.141 χ^2/NDF: 1045653.1/58

- sign 1168.942+/-0.199 χ^2/NDF: 365877.9/29


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: 289.713+/-1149.486 χ²/NDF:19.4/12
Right Out: 400.433+/-565.864 χ²/NDF: 16.7/17
Left In: 702.291+/-1148.583 χ²/NDF:6.7/11
+ sign 456.221+/-695.796 χ²/NDF: 33.9/28
All: 458.289+/-410.077 χ²/NDF: 57.3/58
- sign 459.389+/-507.605 χ²/NDF: 23.4/29



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3628.469+/-0.813 χ^2/NDF:617548.8/12

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

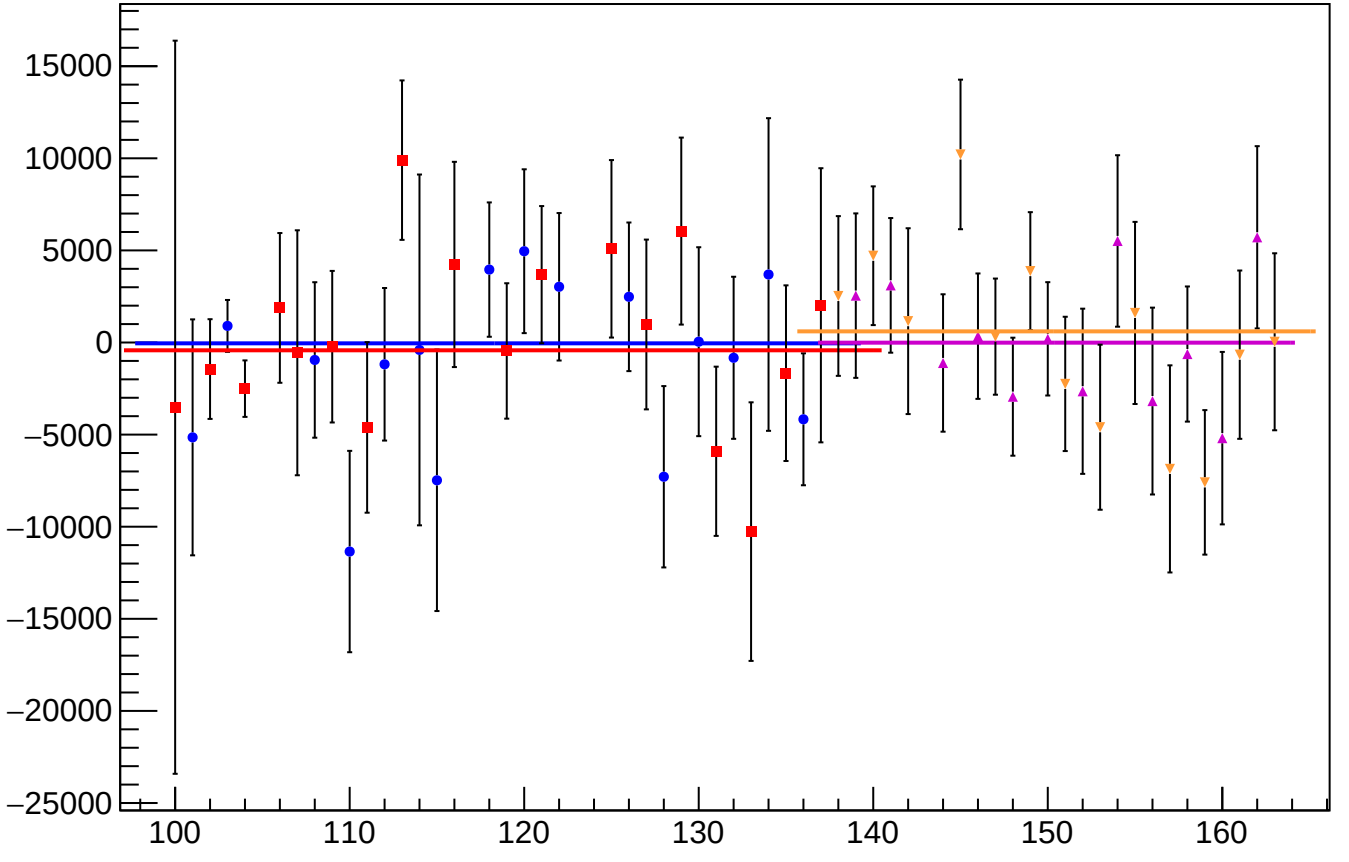
Left In: 3634.601+/-0.812 χ^2/NDF:561341.2/11

+ sign 2689.566+/-0.492 χ^2/NDF: 4698223.8/28

All: 2012.274+/-0.290 χ^2/NDF: 21387616.1/5

- sign 1651.807+/-0.359 χ^2/NDF: 13785777.5/29

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 604.816+/-1135.293 χ^2/NDF:16.3/12

Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

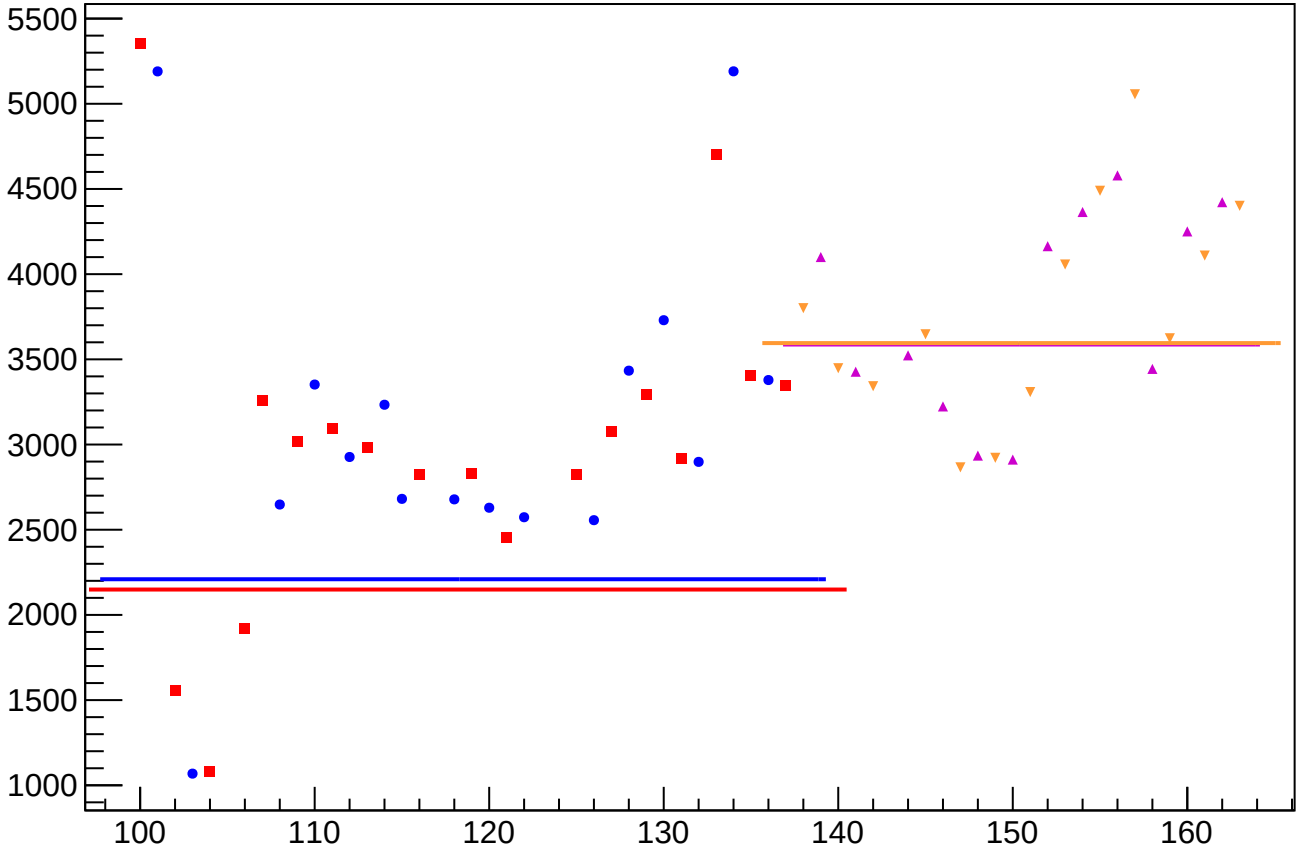
Left In: -8.865+/-1130.906 χ^2/NDF:6.7/11

+ sign 212.903+/-715.117 χ^2/NDF: 30.2/28

All: -29.449+/-501.197 χ^2/NDF: 54.6/58

- sign -263.423+/-702.648 χ^2/NDF: 24.2/29

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3595.403+/-0.803 χ^2/NDF:524174.7/12

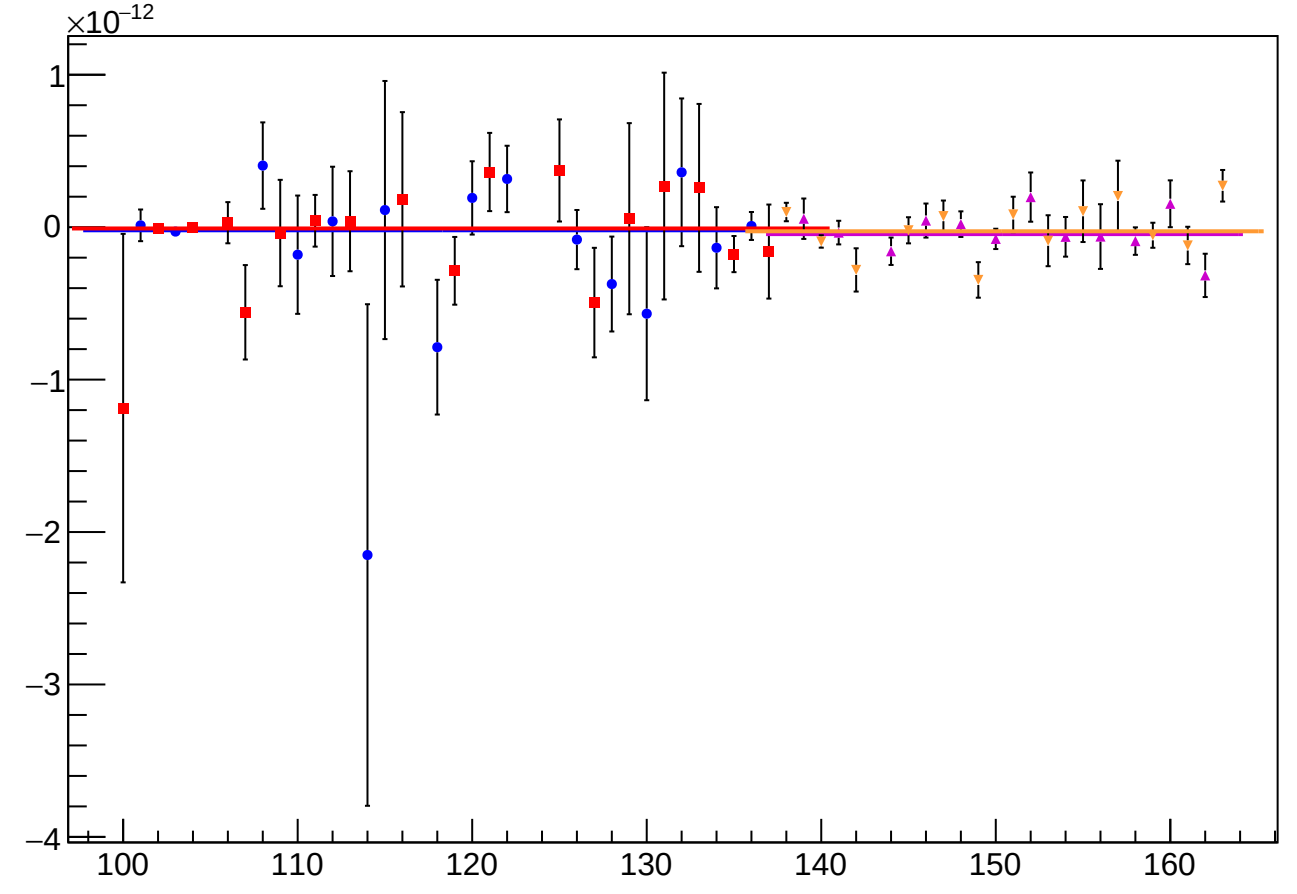
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3587.001+/-0.800 χ^2/NDF:498734.7/11

+ sign 2759.290+/-0.506 χ^2/NDF: 5159335.0/28

All: 2730.328+/-0.354 χ^2/NDF: 9923353.7/58

- sign 2702.449+/-0.496 χ^2/NDF: 4757580.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

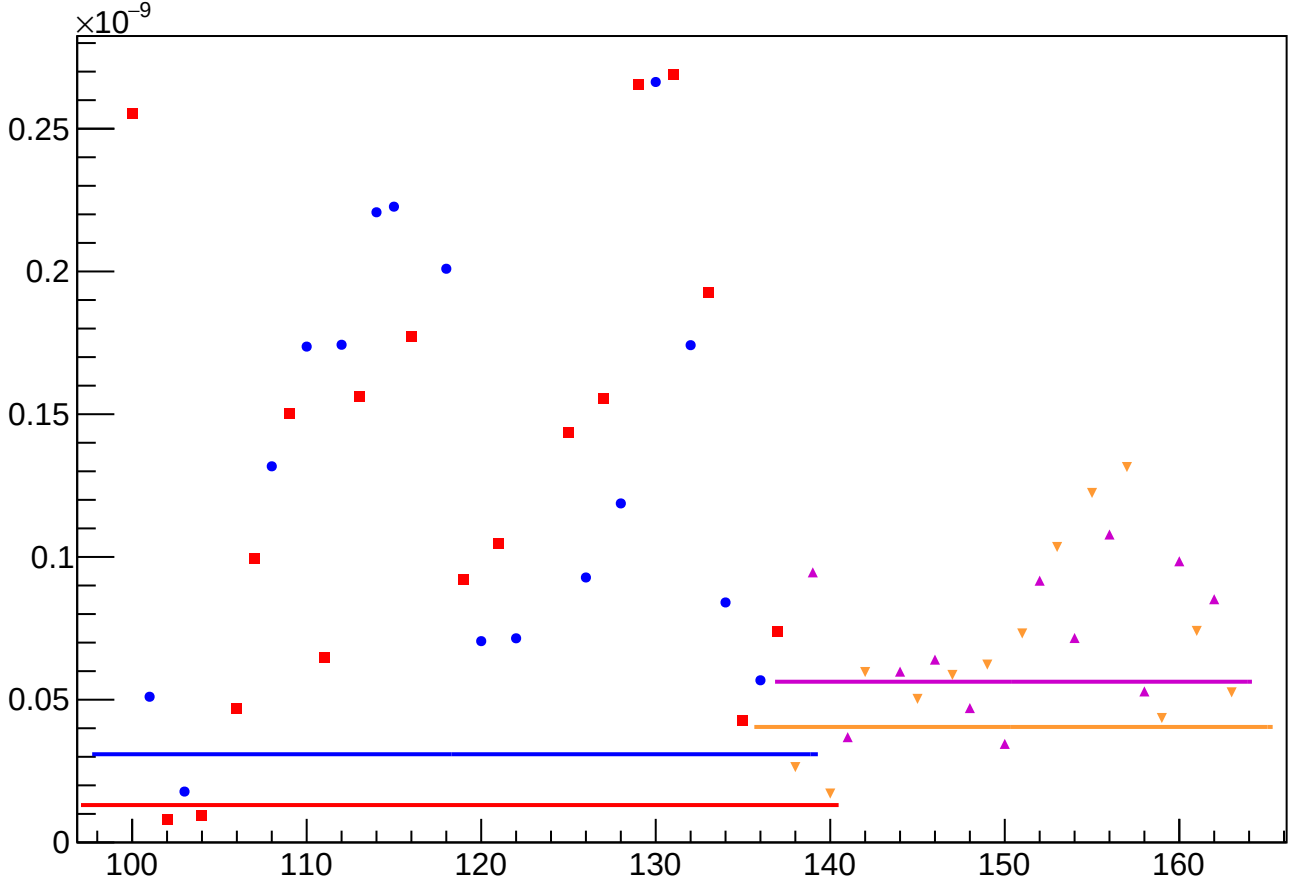
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/28

All: -0.000+/-0.000 χ^2/NDF: 70.7/58

- sign -0.000+/-0.000 χ^2/NDF: 26.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2219236.6/12

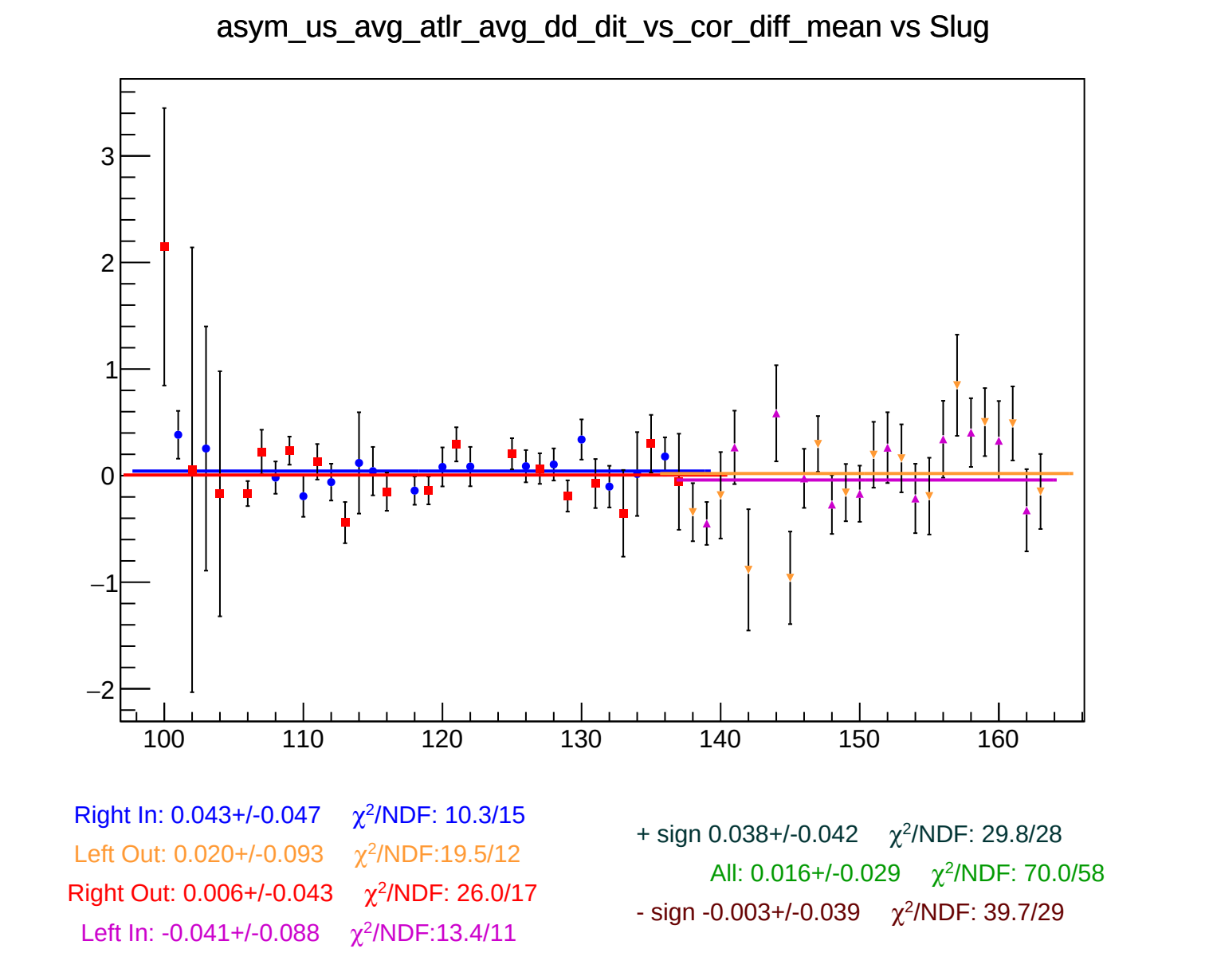
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

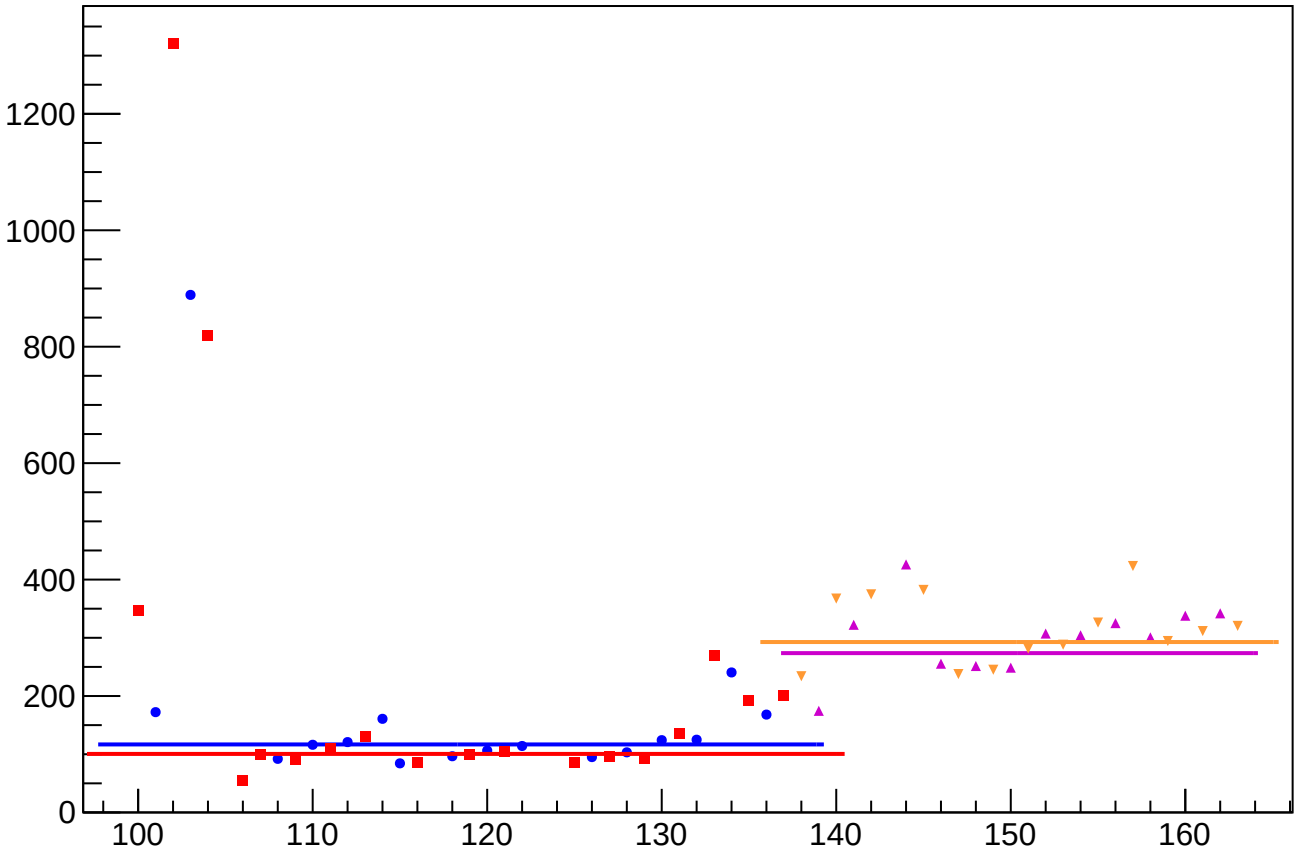
Left In: 0.000+/-0.000 χ^2/NDF:1021341.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 5365056.8/28

All: 0.000+/-0.000 χ^2/NDF: 14239740.0/58

- sign 0.000+/-0.000 χ^2/NDF: 8051515.1/29


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
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.093 χ²/NDF:19.5/12
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.041+/-0.088 χ²/NDF:13.4/11
+ sign 0.038+/-0.042 χ²/NDF: 29.8/28
All: 0.016+/-0.029 χ²/NDF: 70.0/58
- sign -0.003+/-0.039 χ²/NDF: 39.7/29



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

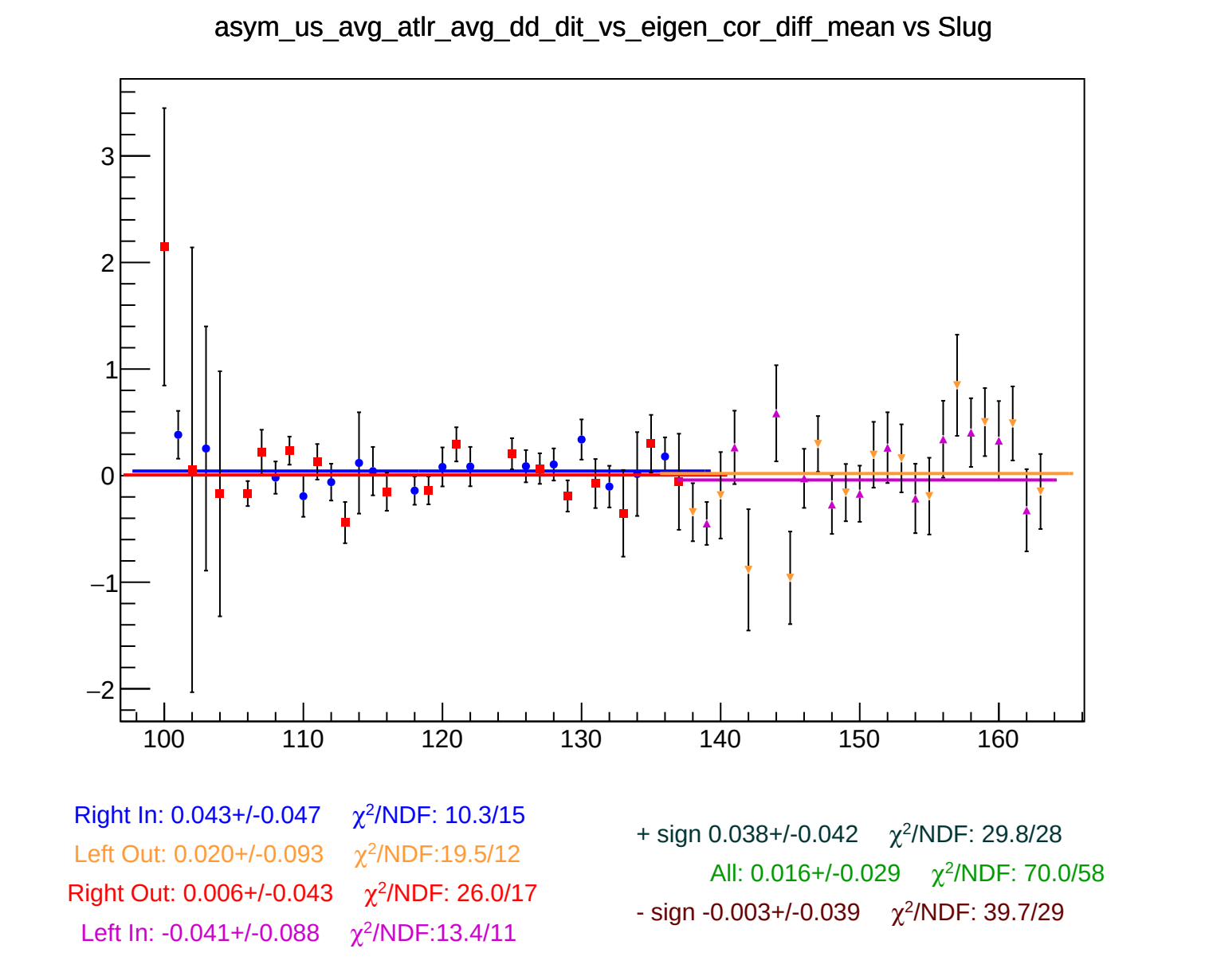
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

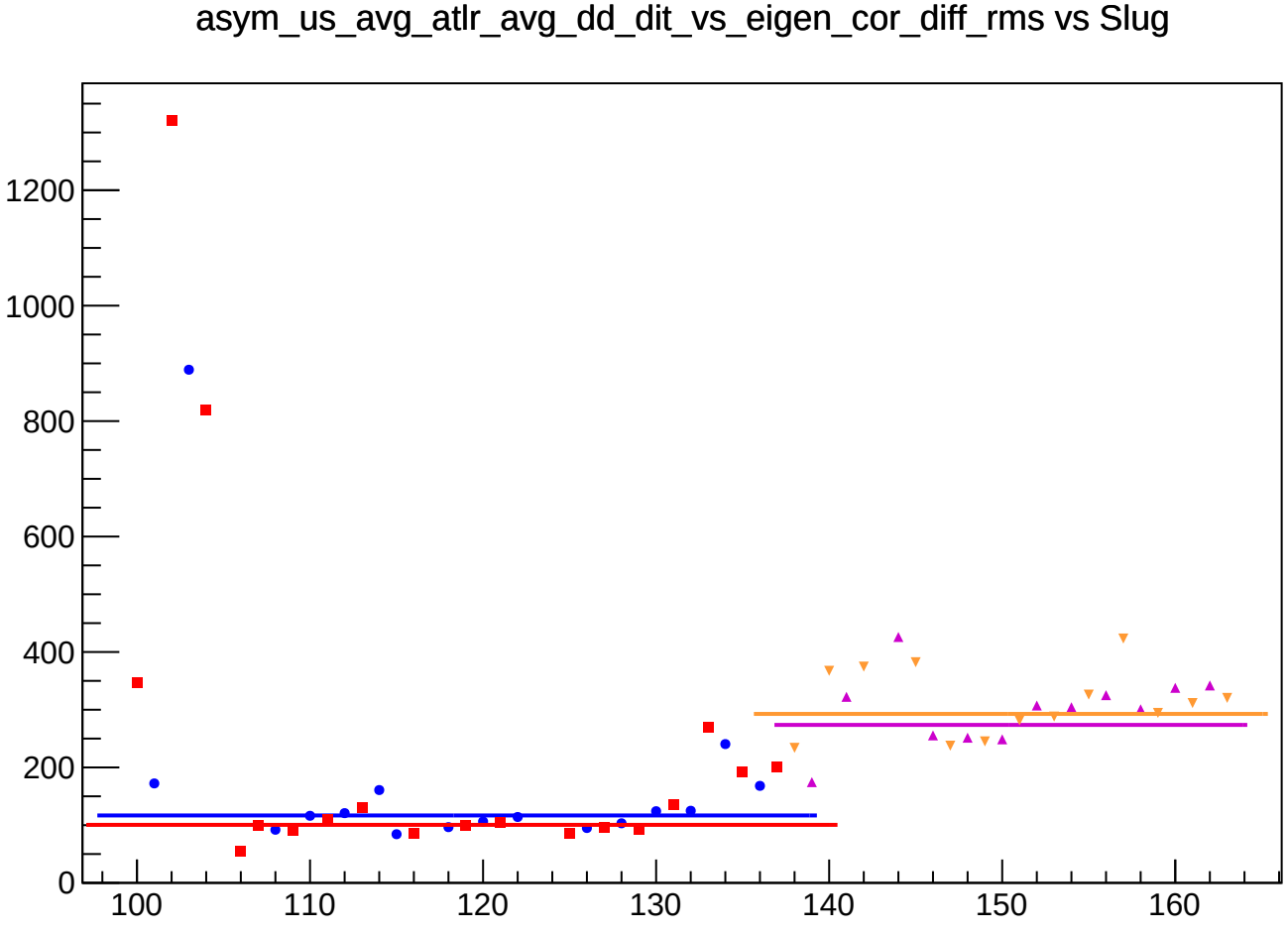
Left In: 273.684+/-0.062 χ^2/NDF:1007860.0/11

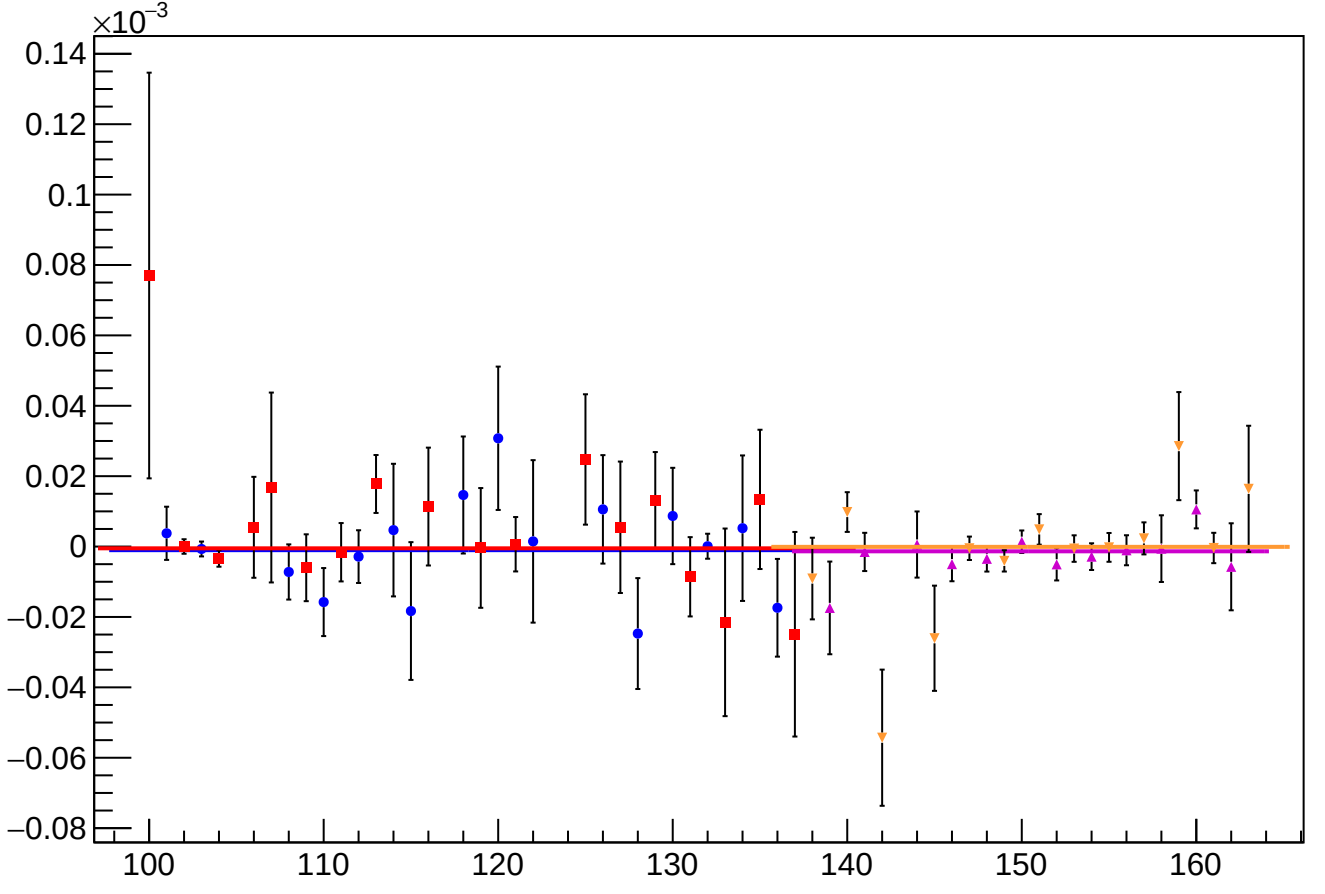
+ sign 153.034+/-0.030 χ^2/NDF: 7900344.4/28

All: 142.849+/-0.020 χ^2/NDF: 17983281.9/58

- sign 134.221+/-0.028 χ^2/NDF: 9868763.8/29


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
160
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.020+/-0.093 χ²/NDF:19.5/12
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.041+/-0.088 χ²/NDF:13.4/11
+ sign 0.038+/-0.042 χ²/NDF: 29.8/28
All: 0.016+/-0.029 χ²/NDF: 70.0/58
- sign -0.003+/-0.039 χ²/NDF: 39.7/29


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
Right In: 116.841+/-0.034 χ²/NDF: 1620809.7/15
Left Out: 292.737+/-0.066 χ²/NDF:628140.7/12
Right Out: 100.544+/-0.031 χ²/NDF: 2664151.6/17
Left In: 273.684+/-0.062 χ²/NDF:1007860.0/11
+ sign 153.034+/-0.030 χ²/NDF: 7900344.4/28
All: 142.849+/-0.020 χ²/NDF: 17983281.9/58
- sign 134.221+/-0.028 χ²/NDF: 9868763.8/29



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/12

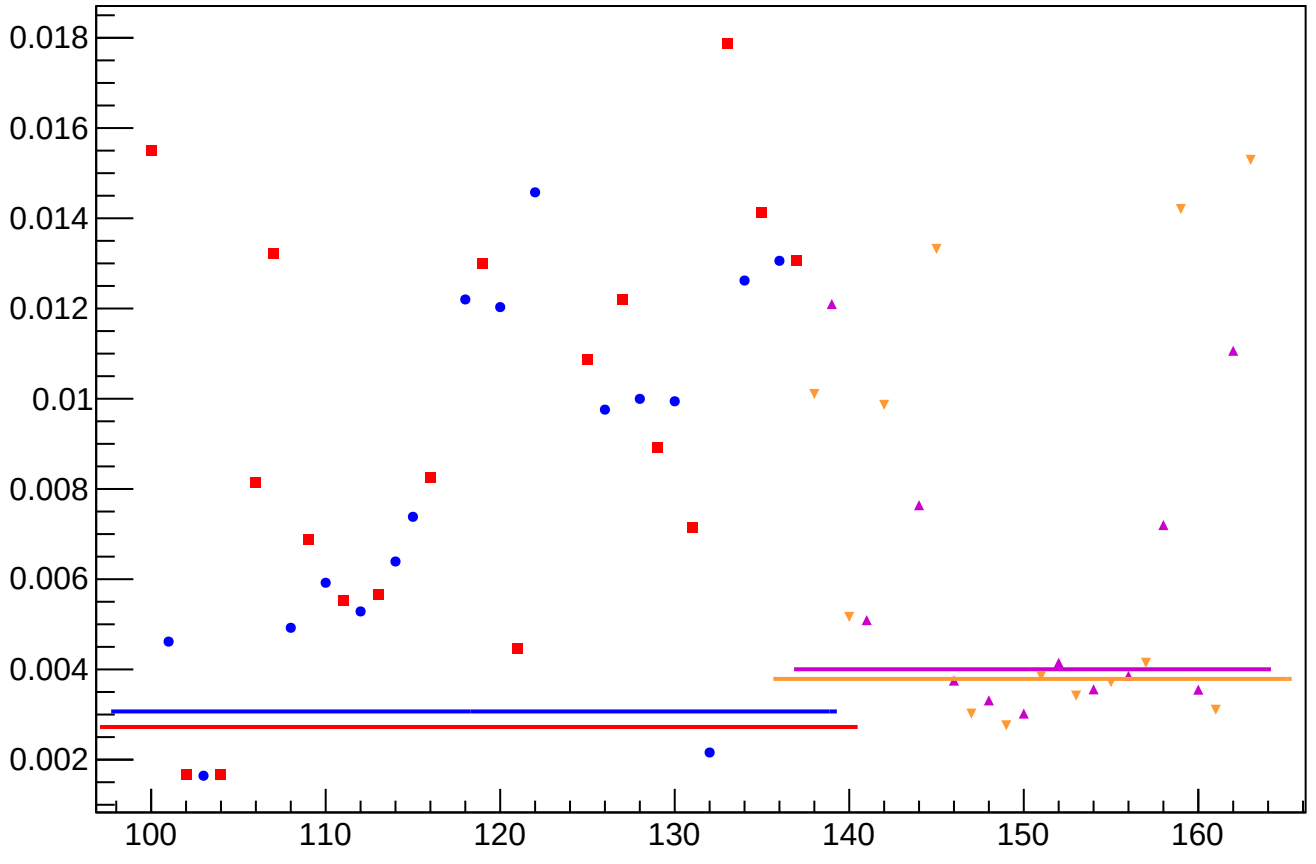
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/28

All: -0.000+/-0.000 χ^2/NDF: 59.3/58

- sign -0.000+/-0.000 χ^2/NDF: 24.2/29



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:3887299.9/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

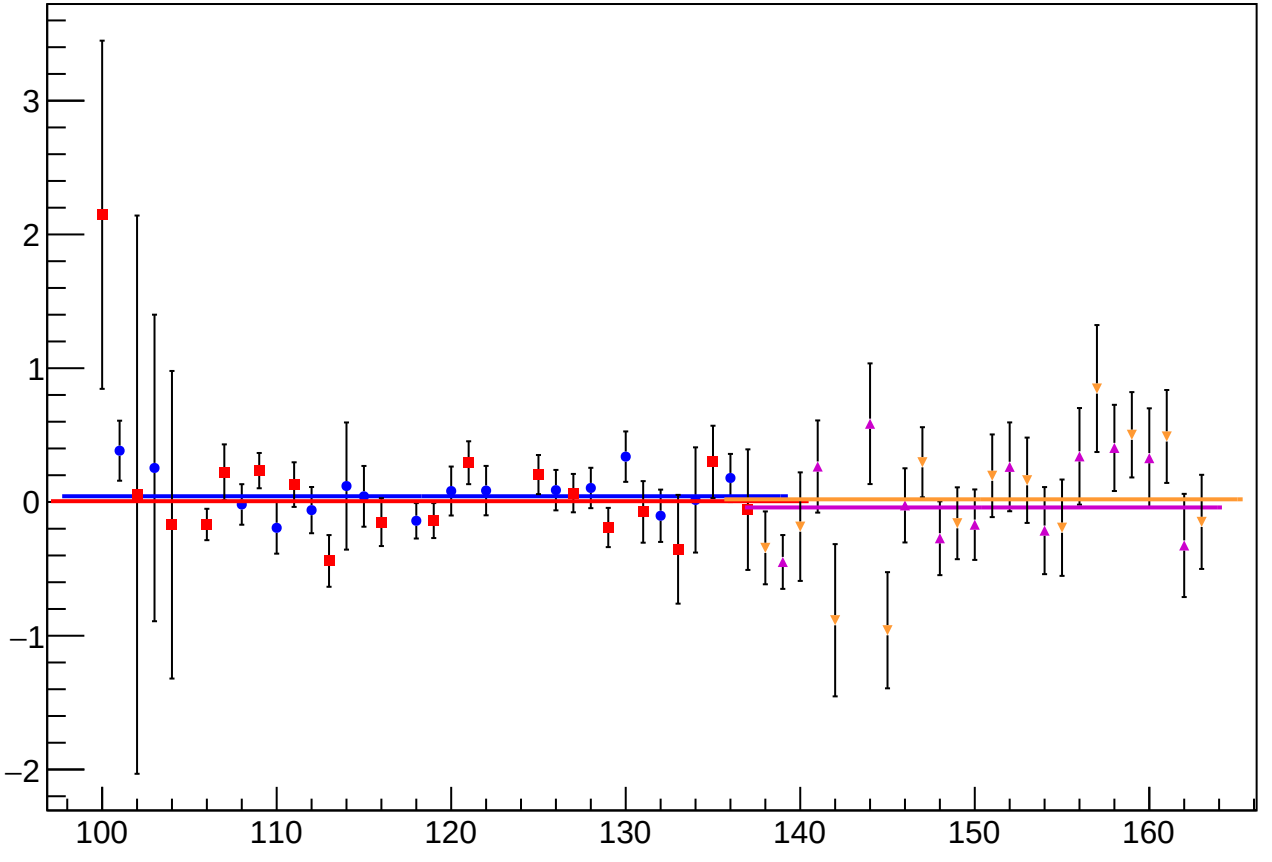
Left In: 0.004+/-0.000 χ^2/NDF:2328721.0/11

+ sign 0.003+/-0.000 χ^2/NDF: 10090698.2/28

All: 0.003+/-0.000 χ^2/NDF: 19971642.4/58

- sign 0.003+/-0.000 χ^2/NDF: 9863977.3/29

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

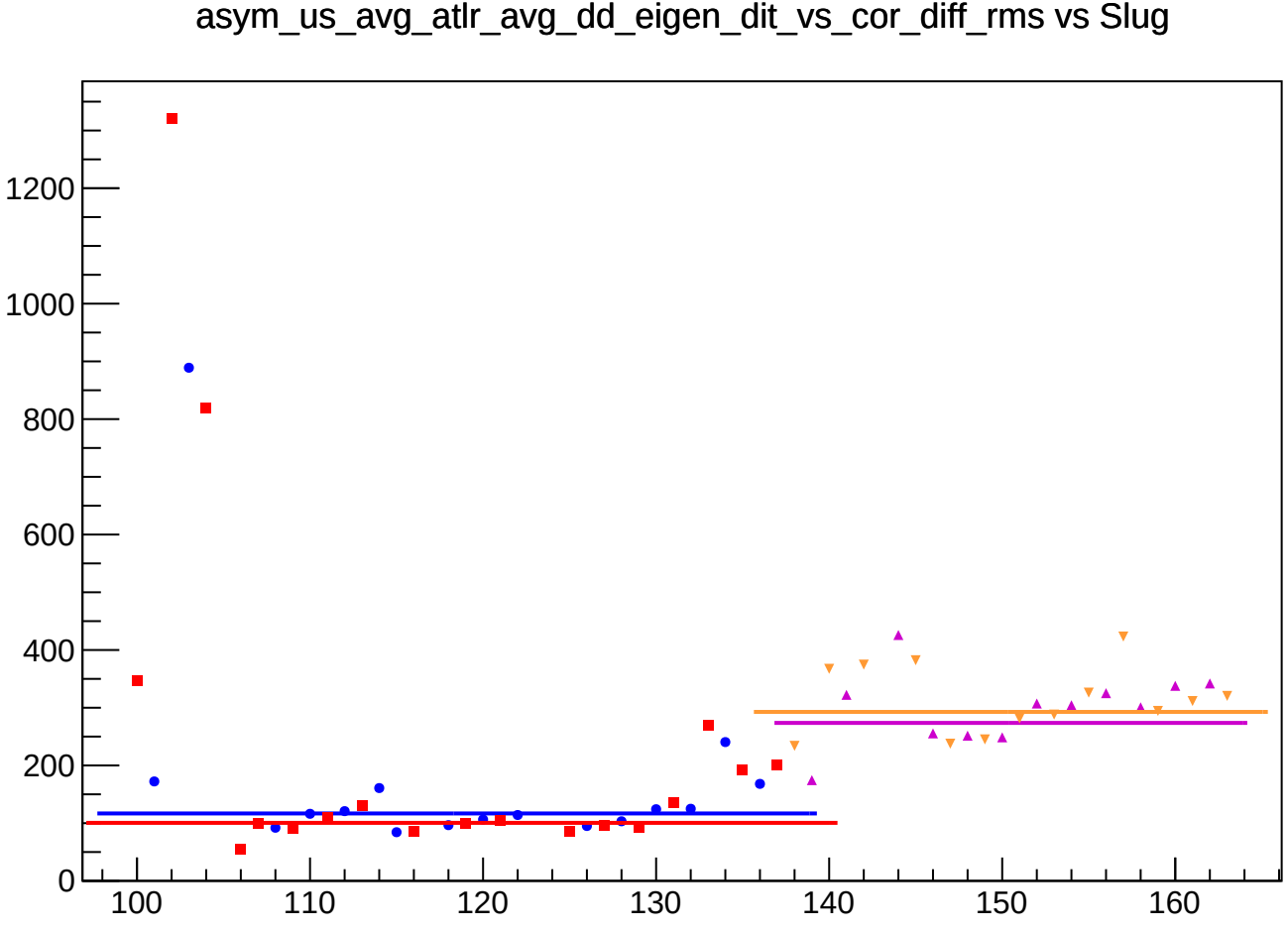
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.041+/-0.088 χ^2/NDF:13.4/11

+ sign 0.038+/-0.042 χ^2/NDF: 29.8/28

All: 0.016+/-0.029 χ^2/NDF: 70.0/58

- sign -0.003+/-0.039 χ^2/NDF: 39.7/29



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

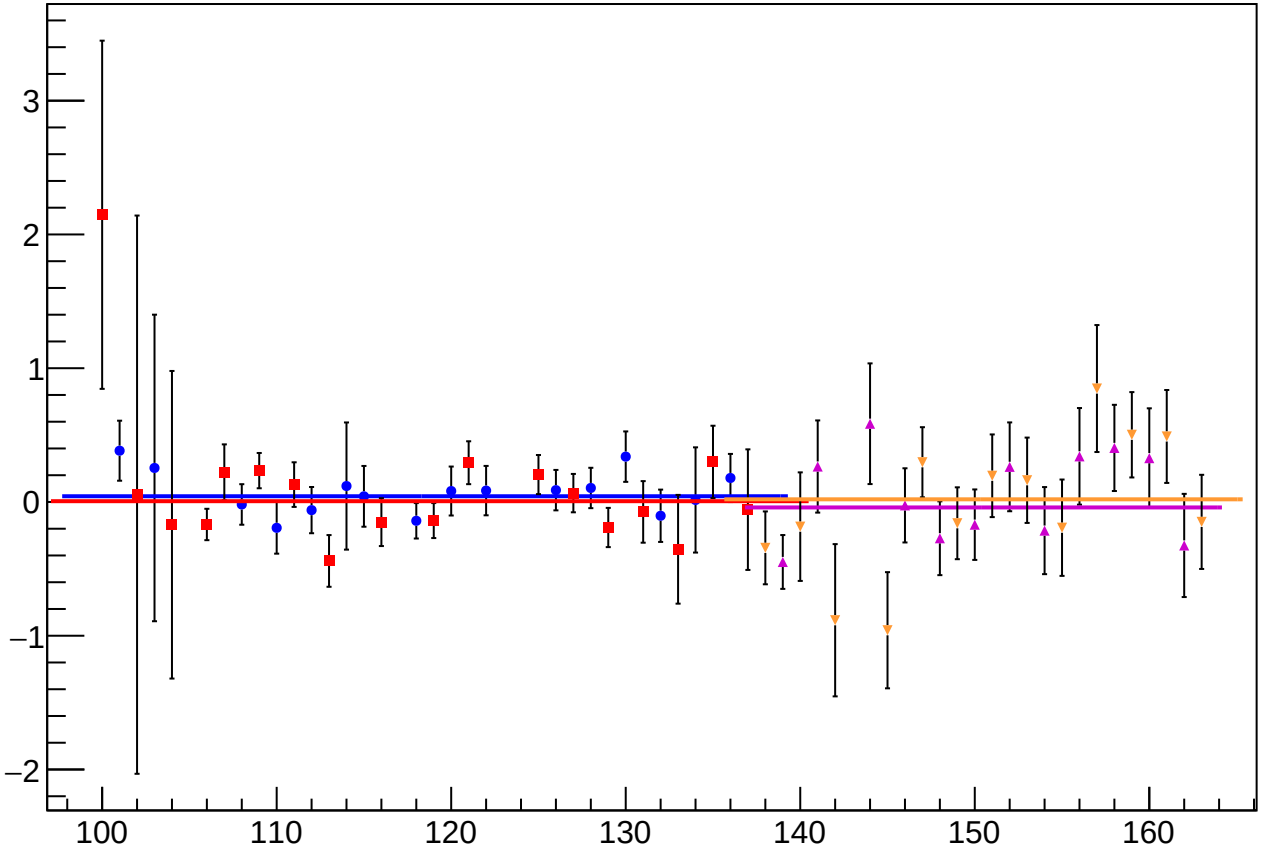
Left In: 273.687+/-0.062 χ^2/NDF:1007821.4/11

+ sign 153.034+/-0.030 χ^2/NDF: 7900473.8/28

All: 142.849+/-0.020 χ^2/NDF: 17983696.0/58

- sign 134.220+/-0.028 χ^2/NDF: 9869026.3/29

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: 0.020+/-0.093 χ^2/NDF:19.5/12

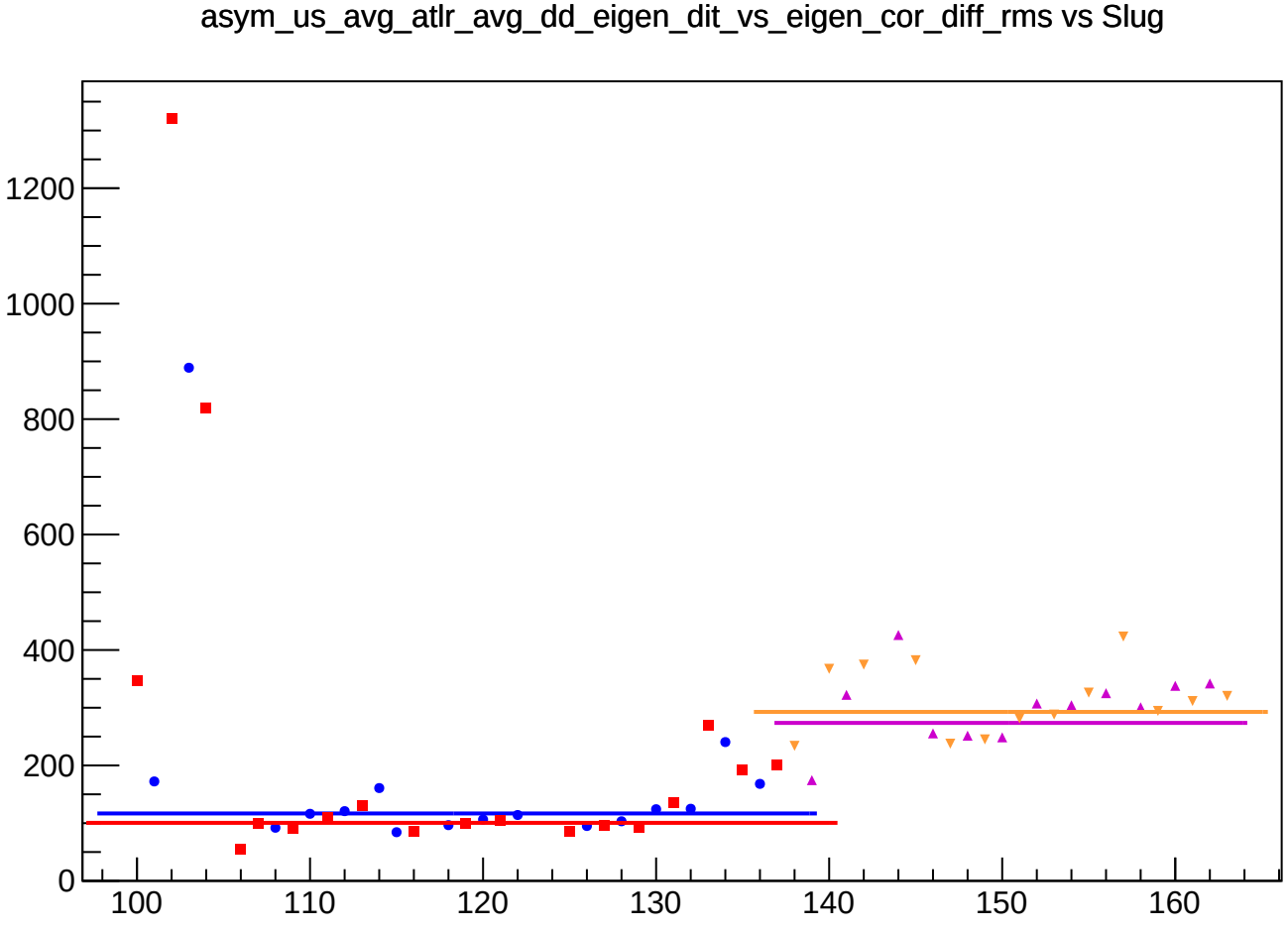
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.041+/-0.088 χ^2/NDF:13.4/11

+ sign 0.038+/-0.042 χ^2/NDF: 29.8/28

All: 0.016+/-0.029 χ^2/NDF: 70.0/58

- sign -0.003+/-0.039 χ^2/NDF: 39.7/29



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 292.740+/-0.066 χ^2/NDF:628150.4/12

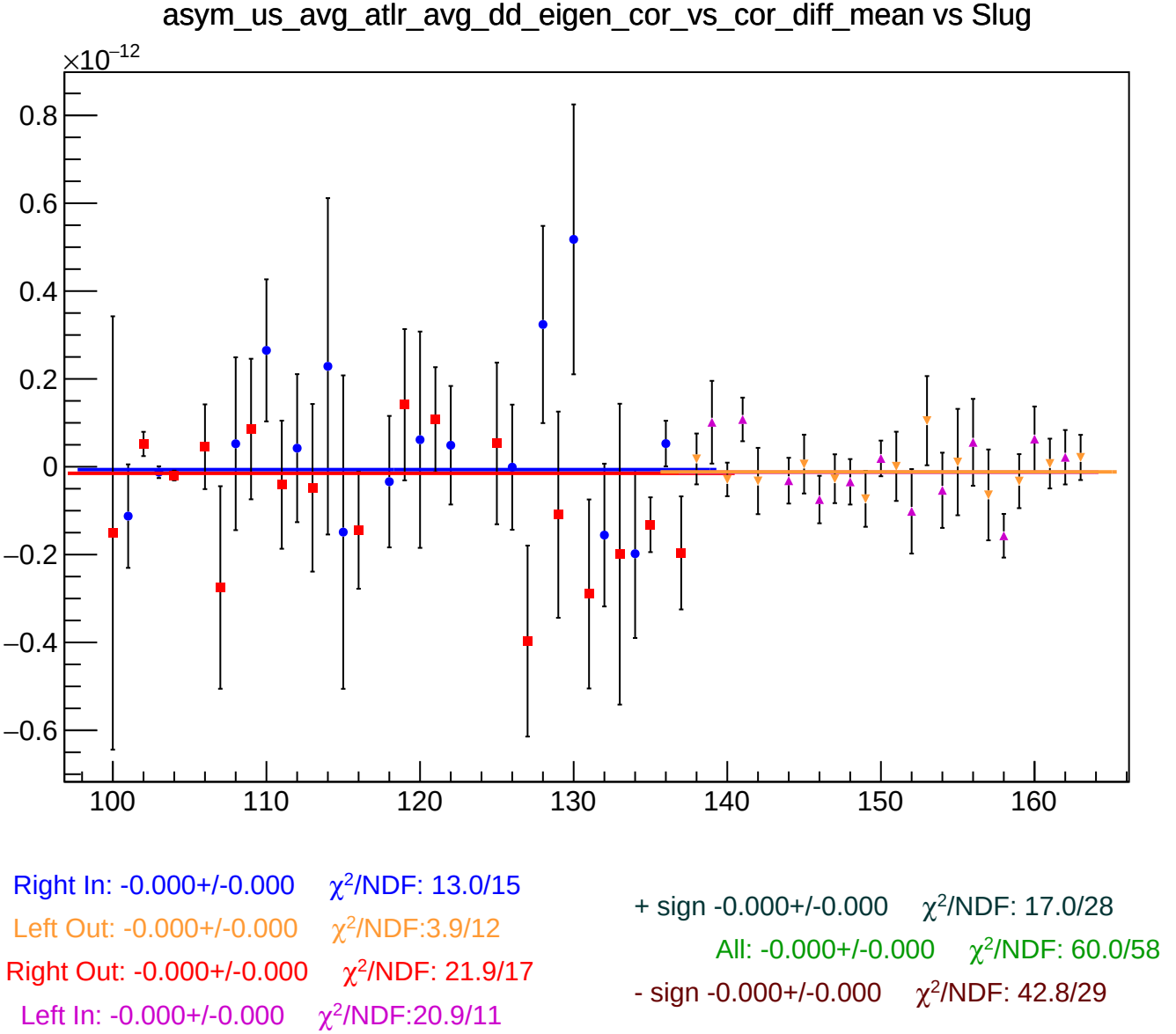
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

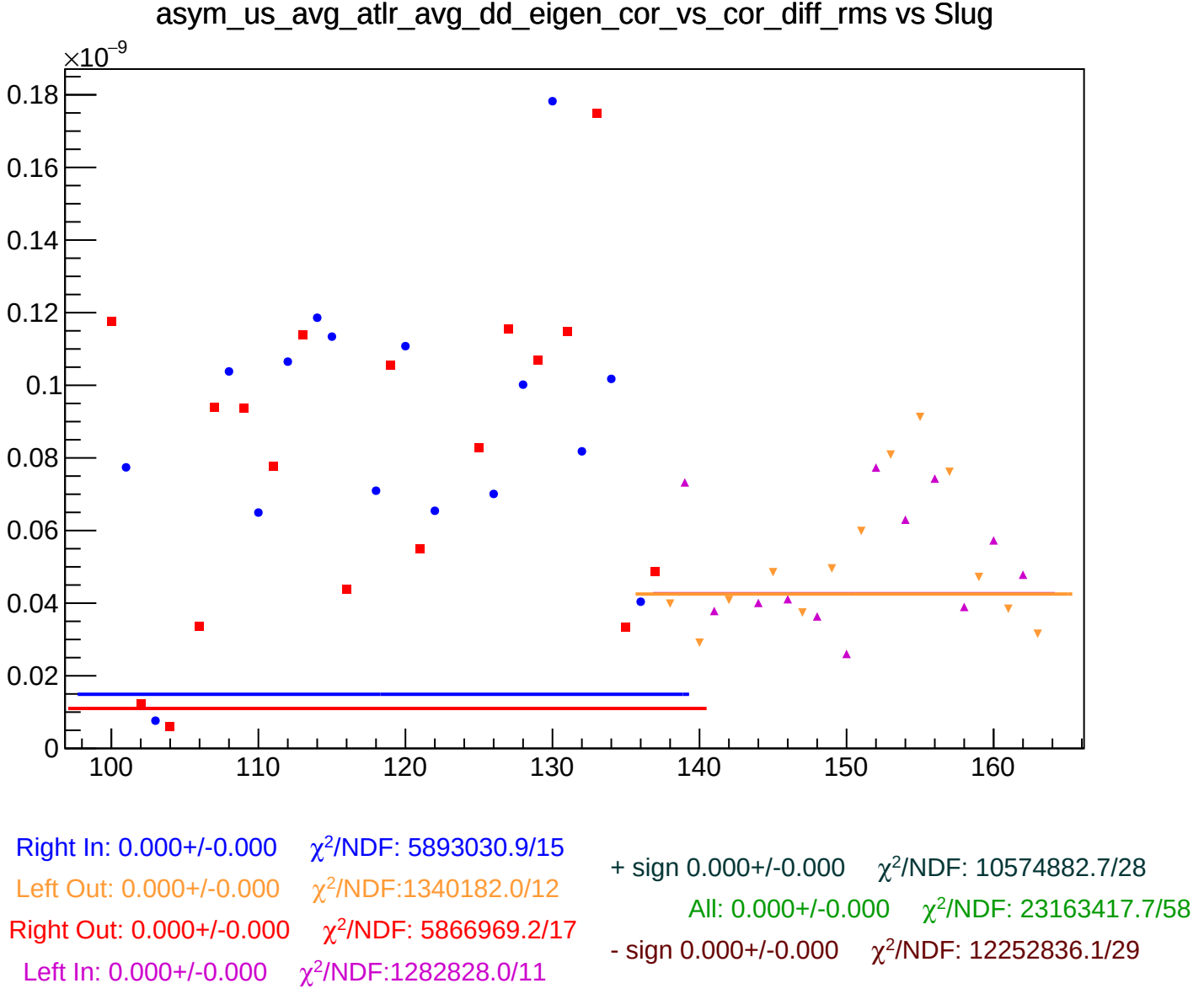
Left In: 273.687+/-0.062 χ^2/NDF:1007821.4/11

+ sign 153.034+/-0.030 χ^2/NDF: 7900473.8/28

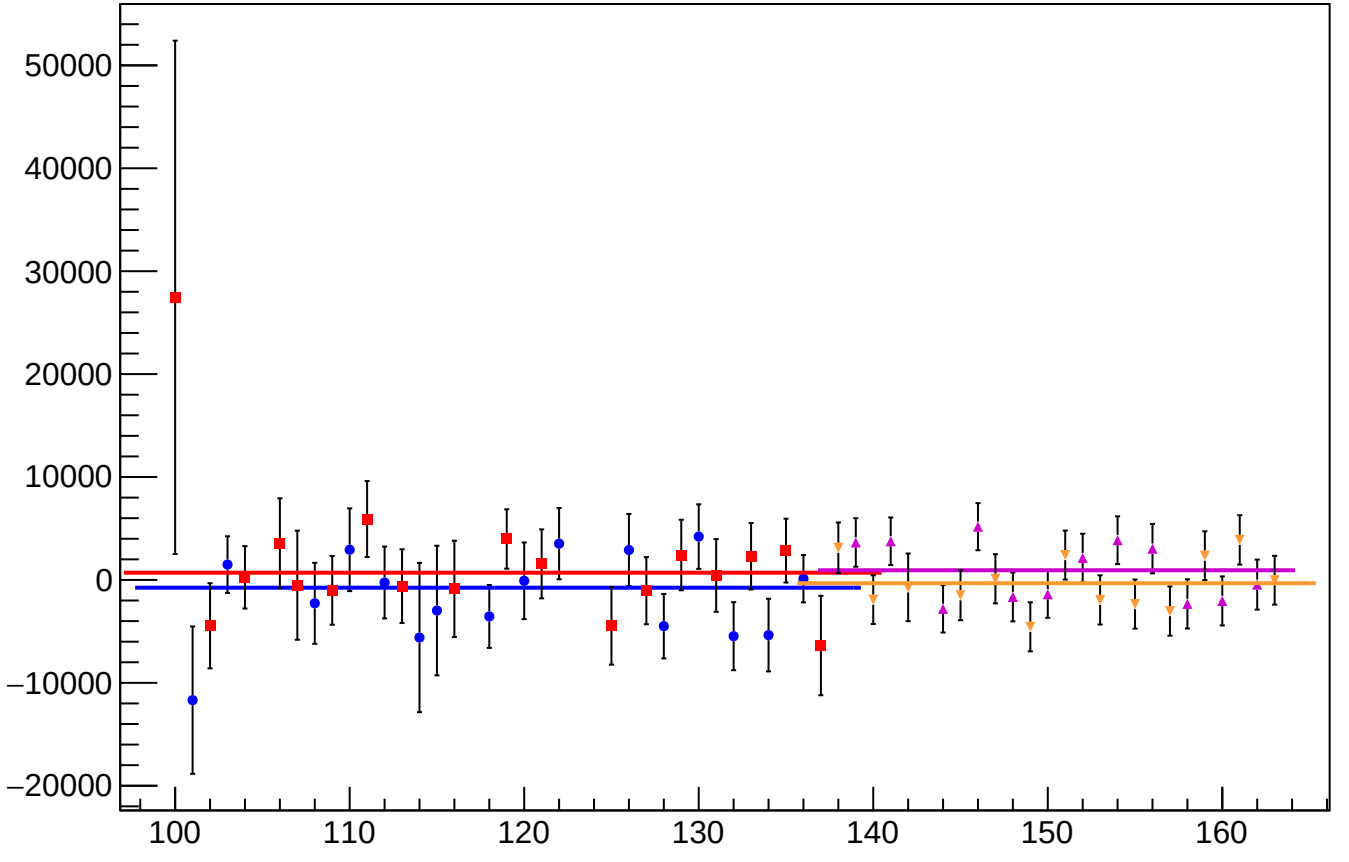
All: 142.849+/-0.020 χ^2/NDF: 17983696.0/58

- sign 134.220+/-0.028 χ^2/NDF: 9869026.3/29


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
160
Right In: -0.000+/-0.000 χ²/NDF: 13.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/17
Left In: -0.000+/-0.000 χ²/NDF:20.9/11
+ sign -0.000+/-0.000 χ²/NDF: 17.0/28
All: -0.000+/-0.000 χ²/NDF: 60.0/58
- sign -0.000+/-0.000 χ²/NDF: 42.8/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1340182.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1282828.0/11
+ sign 0.000+/-0.000 χ²/NDF: 10574882.7/28
All: 0.000+/-0.000 χ²/NDF: 23163417.7/58
- sign 0.000+/-0.000 χ²/NDF: 12252836.1/29

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -316.237+/-675.874 χ^2/NDF:14.0/12

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

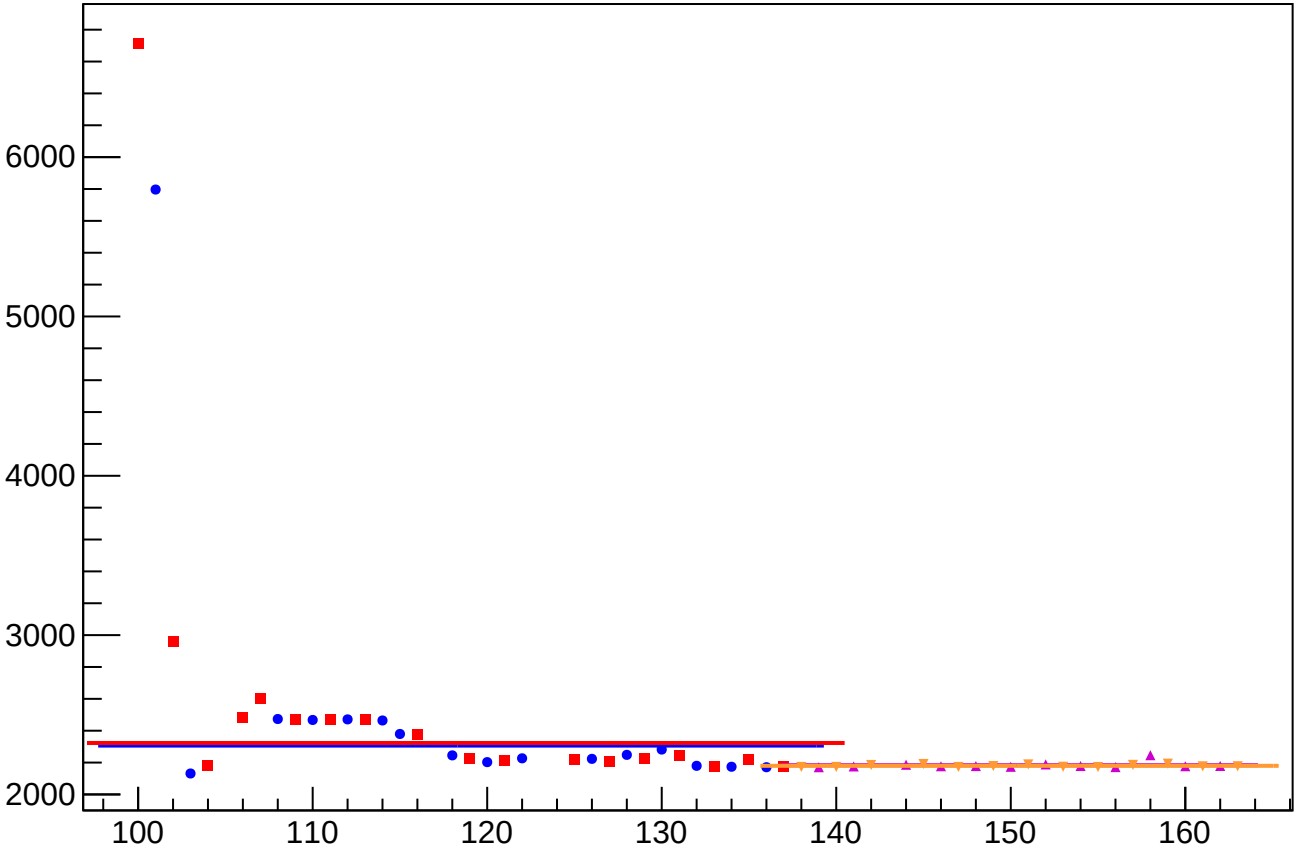
Left In: 941.671+/-678.263 χ^2/NDF:17.4/11

+ sign -480.483+/-534.349 χ^2/NDF: 30.1/28

All: 184.932+/-377.930 χ^2/NDF: 63.0/58

- sign 850.967+/-534.597 χ^2/NDF: 29.9/29

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

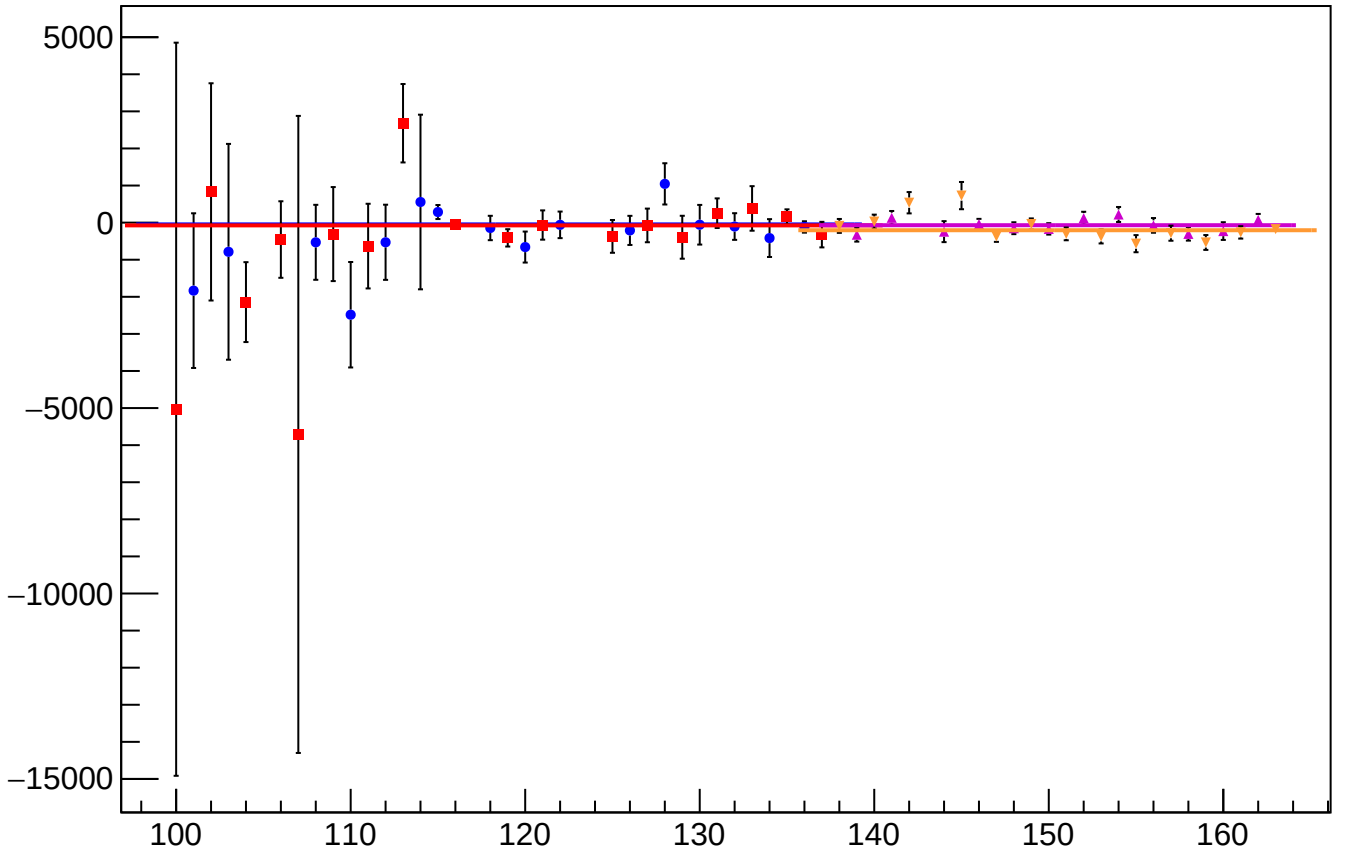
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.4/28

All: 2231.791+/-0.267 χ^2/NDF: 726621.1/58

- sign 2236.322+/-0.378 χ^2/NDF: 185463.4/29



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -205.008+/-50.406 χ^2/NDF:24.2/12

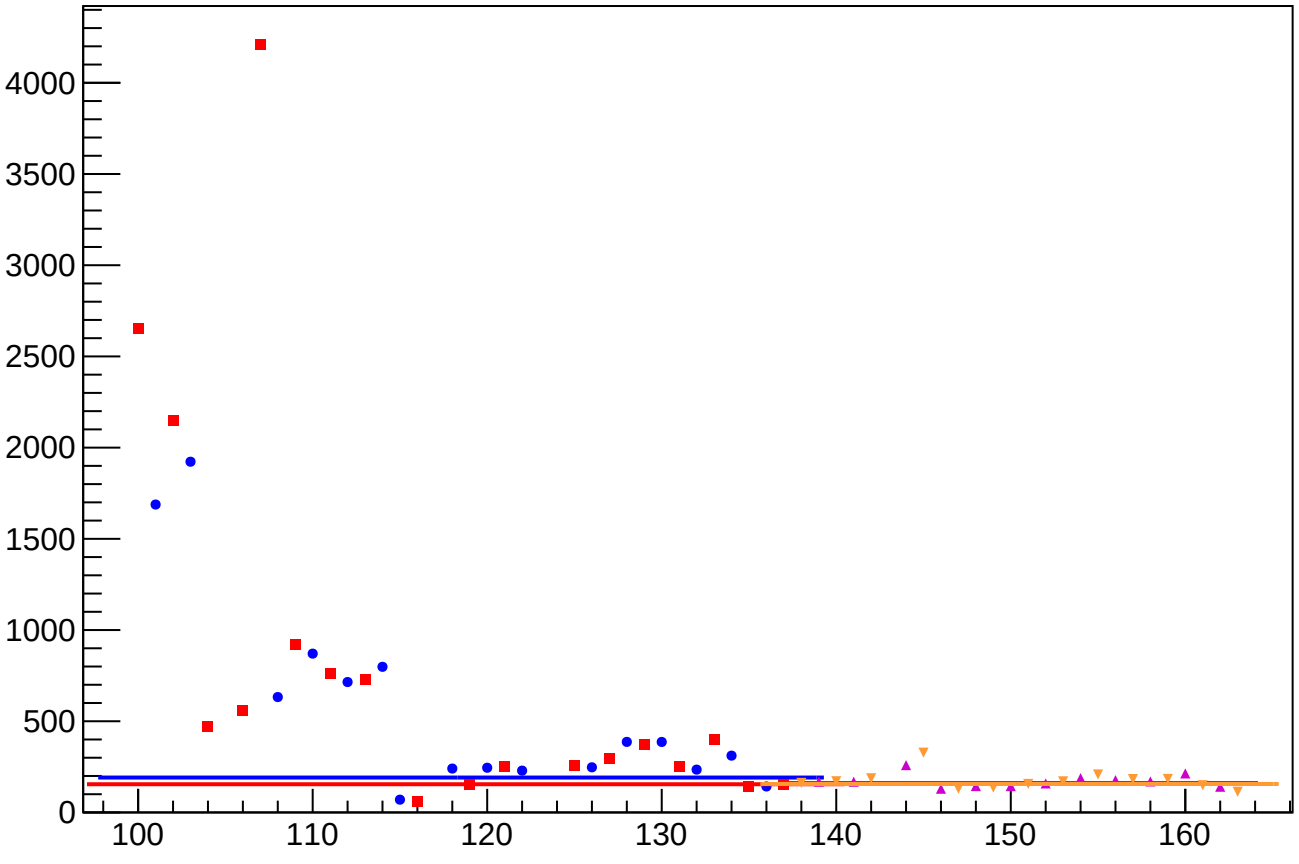
Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: -69.428+/-51.701 χ^2/NDF:10.3/11

+ sign -168.074+/-44.084 χ^2/NDF: 40.8/28

All: -119.102+/-31.068 χ^2/NDF: 71.2/58

- sign -70.777+/-43.792 χ^2/NDF: 28.0/29



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 156.201+/-0.036 χ^2/NDF:984031.9/12

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

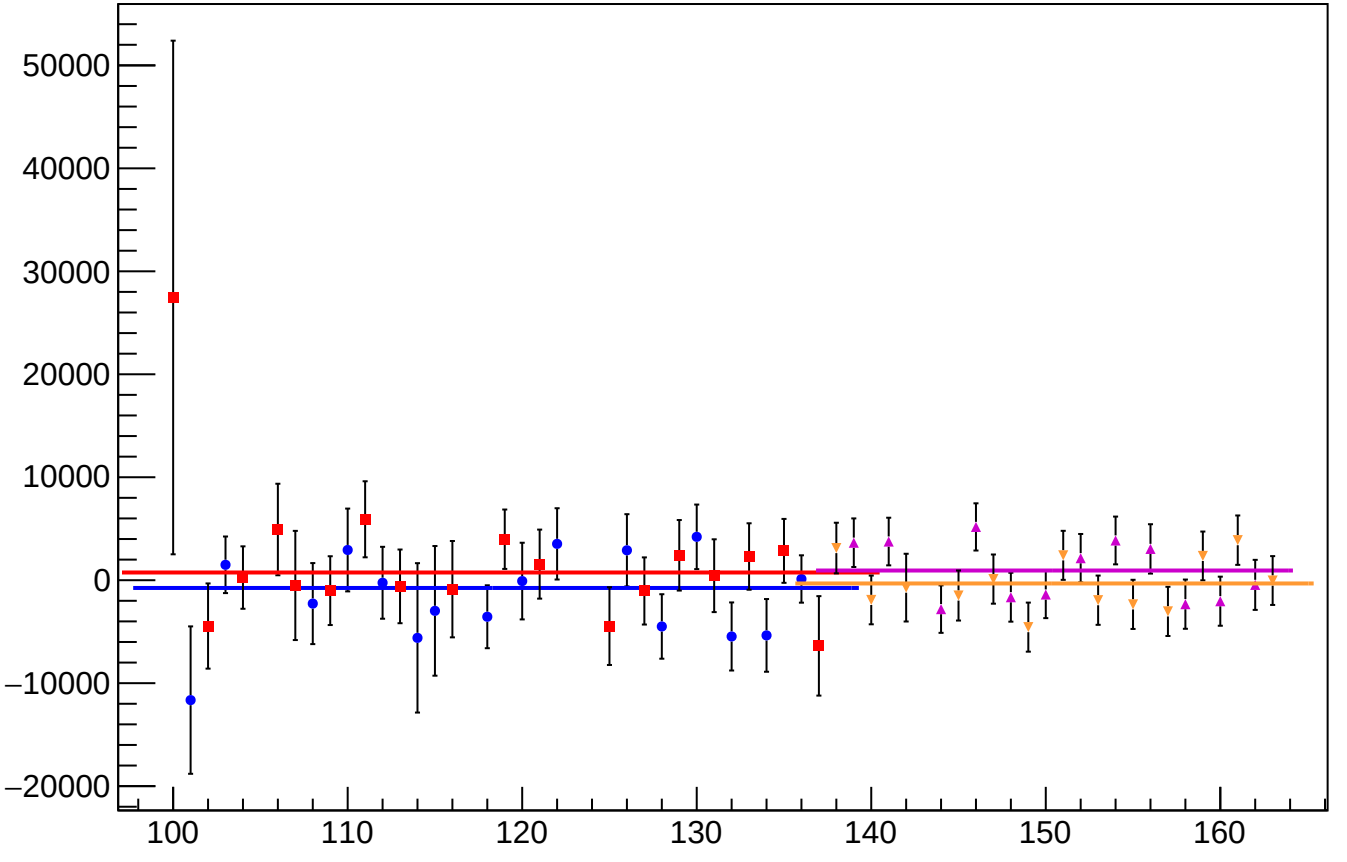
Left In: 161.524+/-0.037 χ^2/NDF:574511.1/11

+ sign 164.473+/-0.031 χ^2/NDF: 6277833.5/28

All: 162.015+/-0.022 χ^2/NDF: 13028895.4/58

- sign 159.589+/-0.031 χ^2/NDF: 6738709.8/29

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

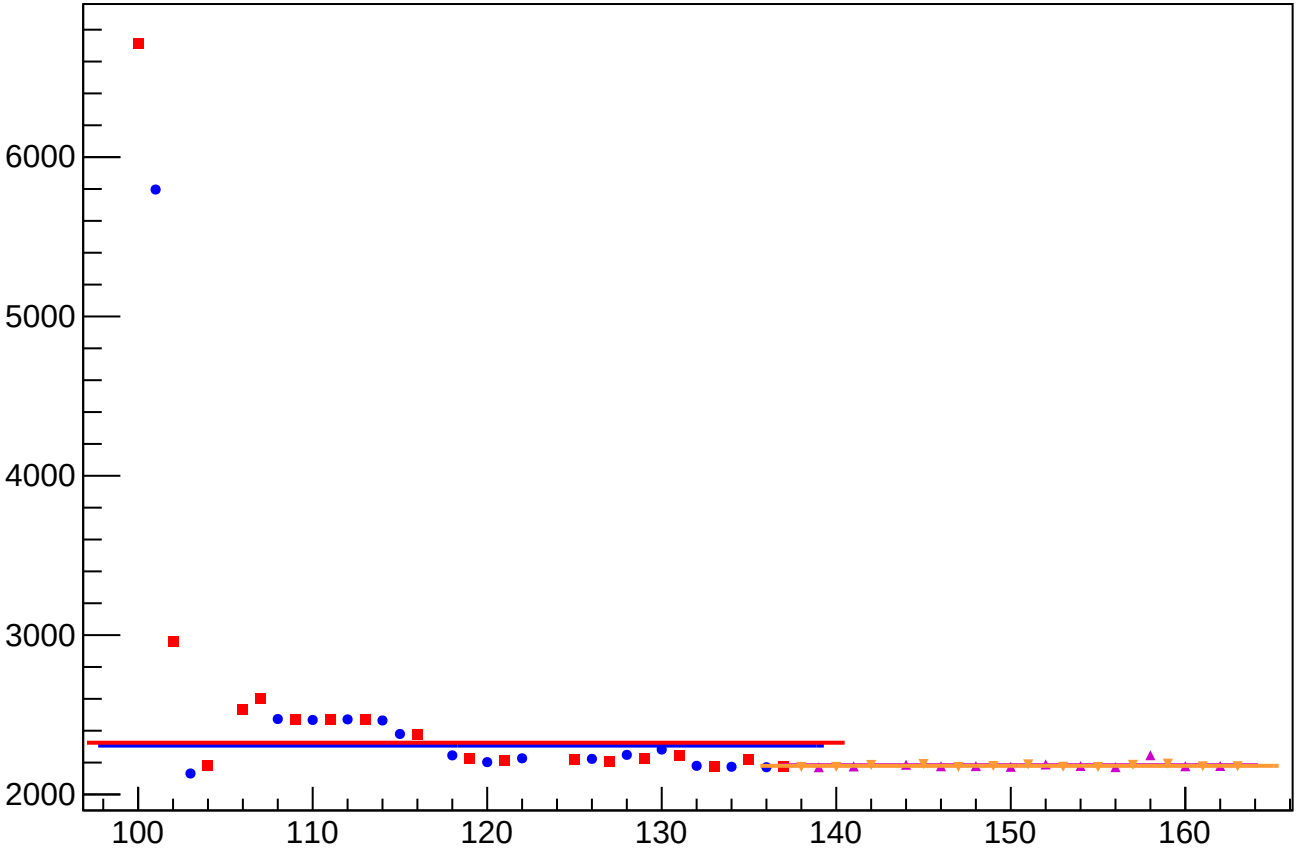
Left In: 941.637+/-678.263 χ^2/NDF:17.4/11

+ sign -480.109+/-534.349 χ^2/NDF: 30.0/28

All: 193.854+/-377.989 χ^2/NDF: 63.5/58

- sign 868.868+/-534.765 χ^2/NDF: 30.3/29

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

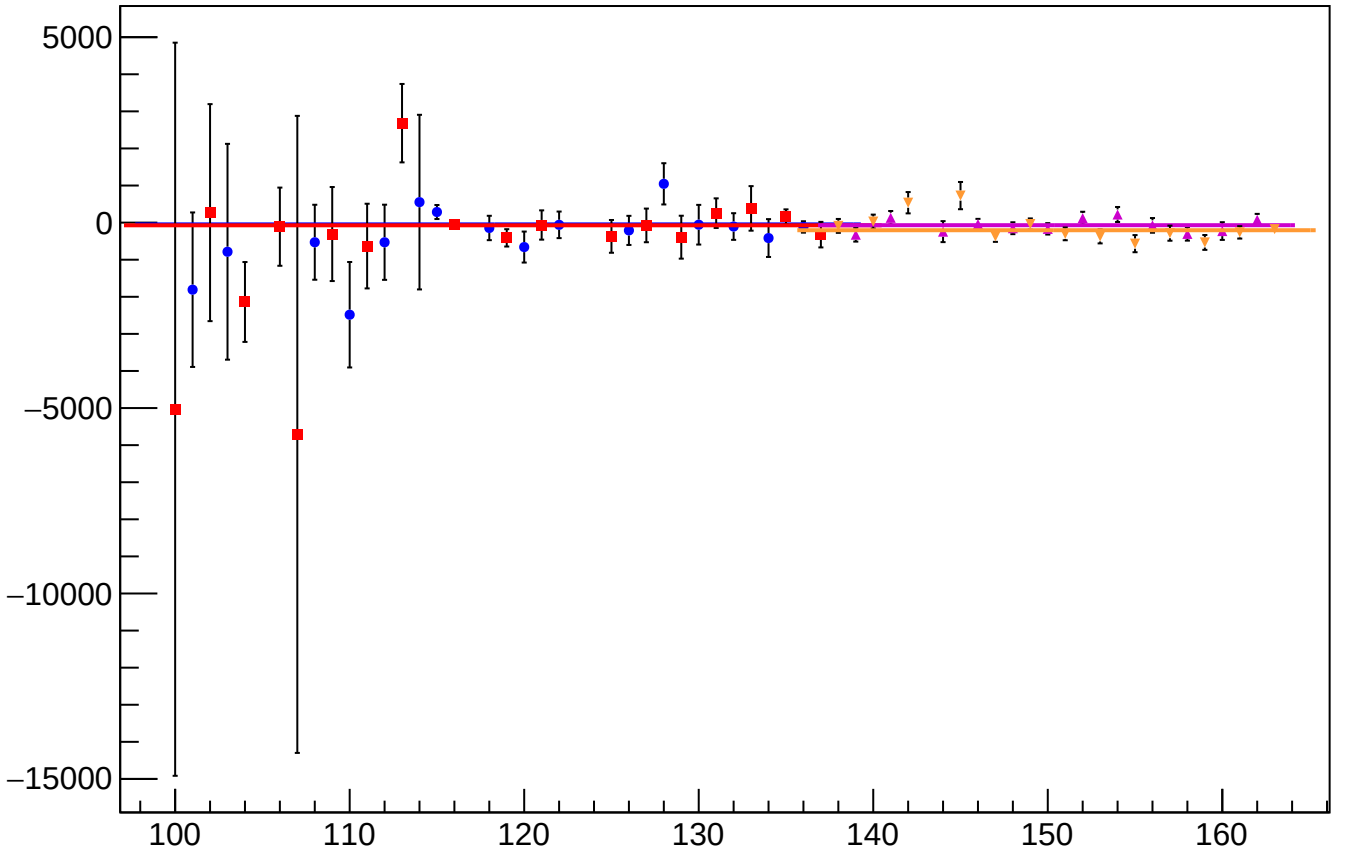
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.8/28

All: 2232.079+/-0.267 χ^2/NDF: 729190.9/58

- sign 2236.901+/-0.378 χ^2/NDF: 187995.2/29



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -205.000+/-50.408 χ^2/NDF:24.1/12

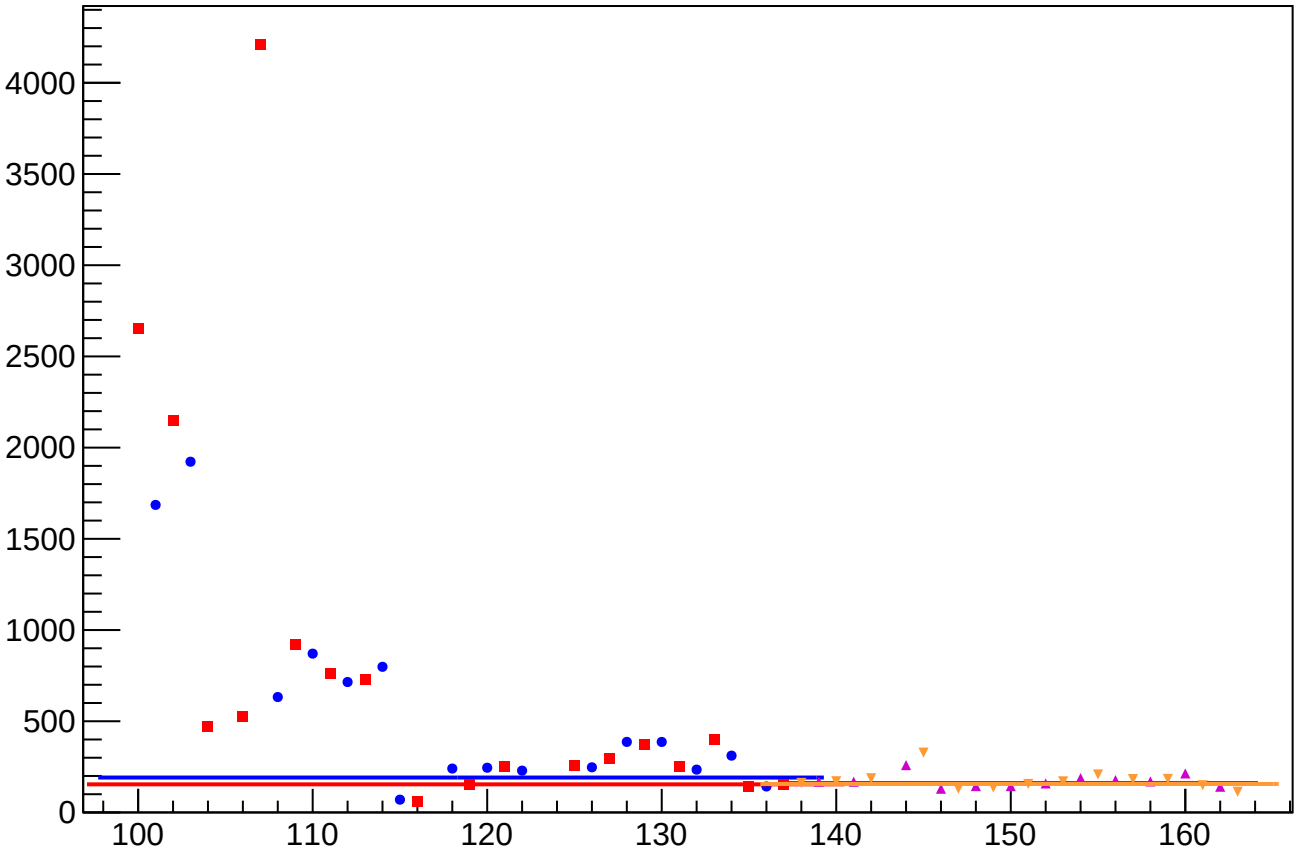
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -69.363+/-51.705 χ^2/NDF:10.3/11

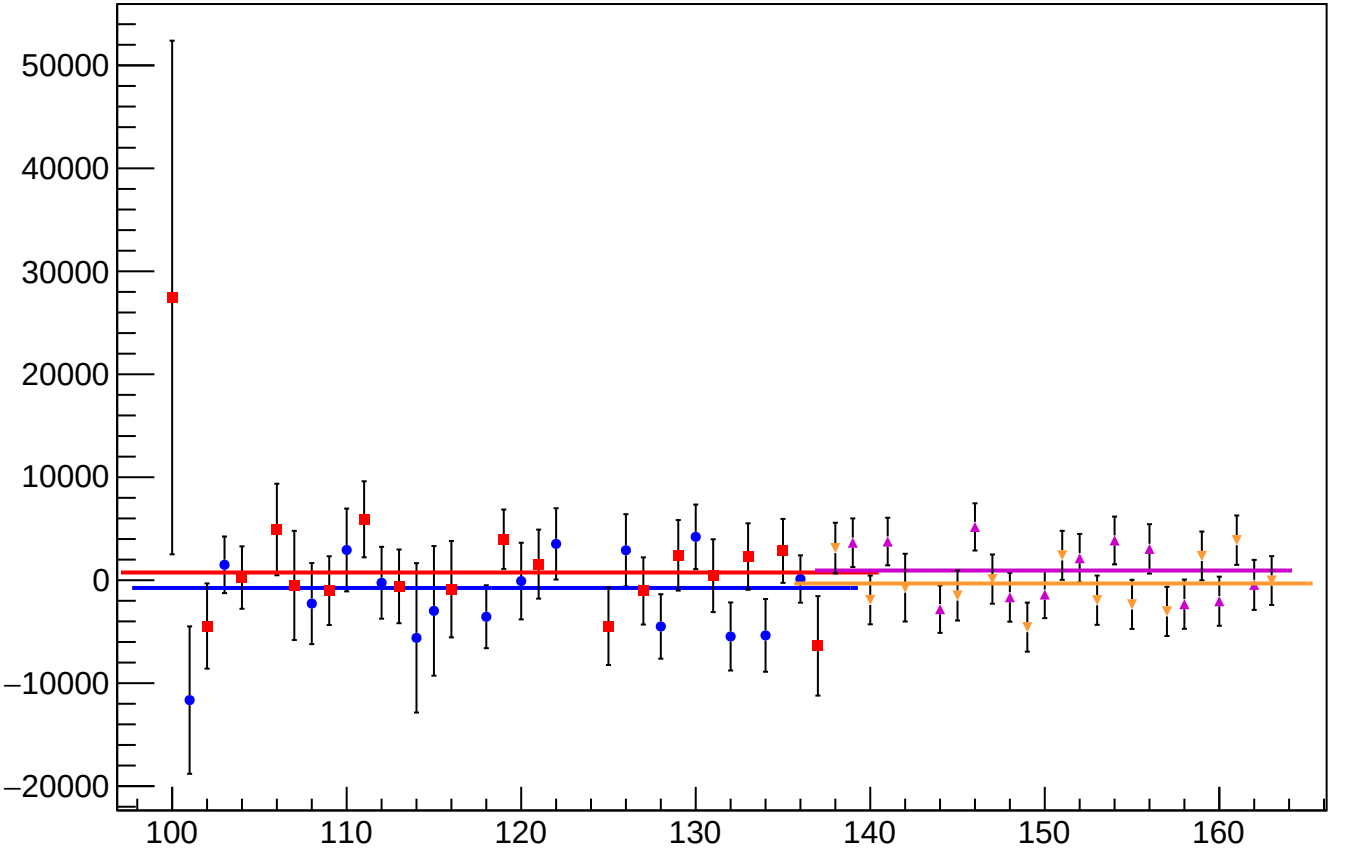
+ sign -168.078+/-44.086 χ^2/NDF: 40.8/28

All: -118.787+/-31.066 χ^2/NDF: 71.0/58

- sign -70.165+/-43.785 χ^2/NDF: 27.7/29


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 156.204+/-0.036 χ²/NDF:984198.9/12
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 161.537+/-0.037 χ²/NDF:574726.6/11
+ sign 164.480+/-0.031 χ²/NDF: 6277114.7/28
All: 161.942+/-0.022 χ²/NDF: 12985308.6/58
- sign 159.439+/-0.031 χ²/NDF: 6695030.6/29

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: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

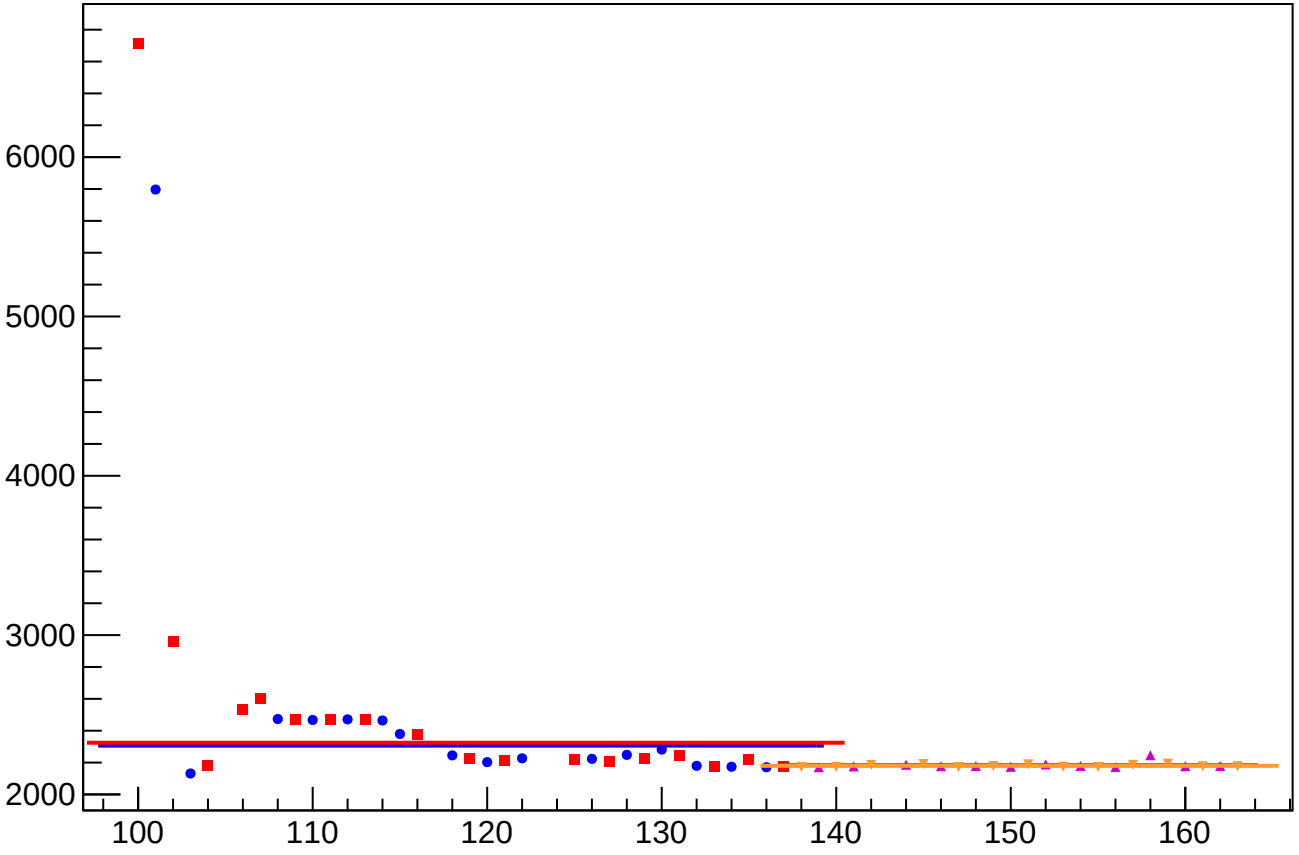
Left In: 941.637+/-678.263 χ^2/NDF:17.4/11

+ sign -480.109+/-534.349 χ^2/NDF: 30.0/28

All: 193.854+/-377.989 χ^2/NDF: 63.5/58

- sign 868.868+/-534.765 χ^2/NDF: 30.3/29

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: 2179.648+/-0.478 χ^2/NDF:244.7/12

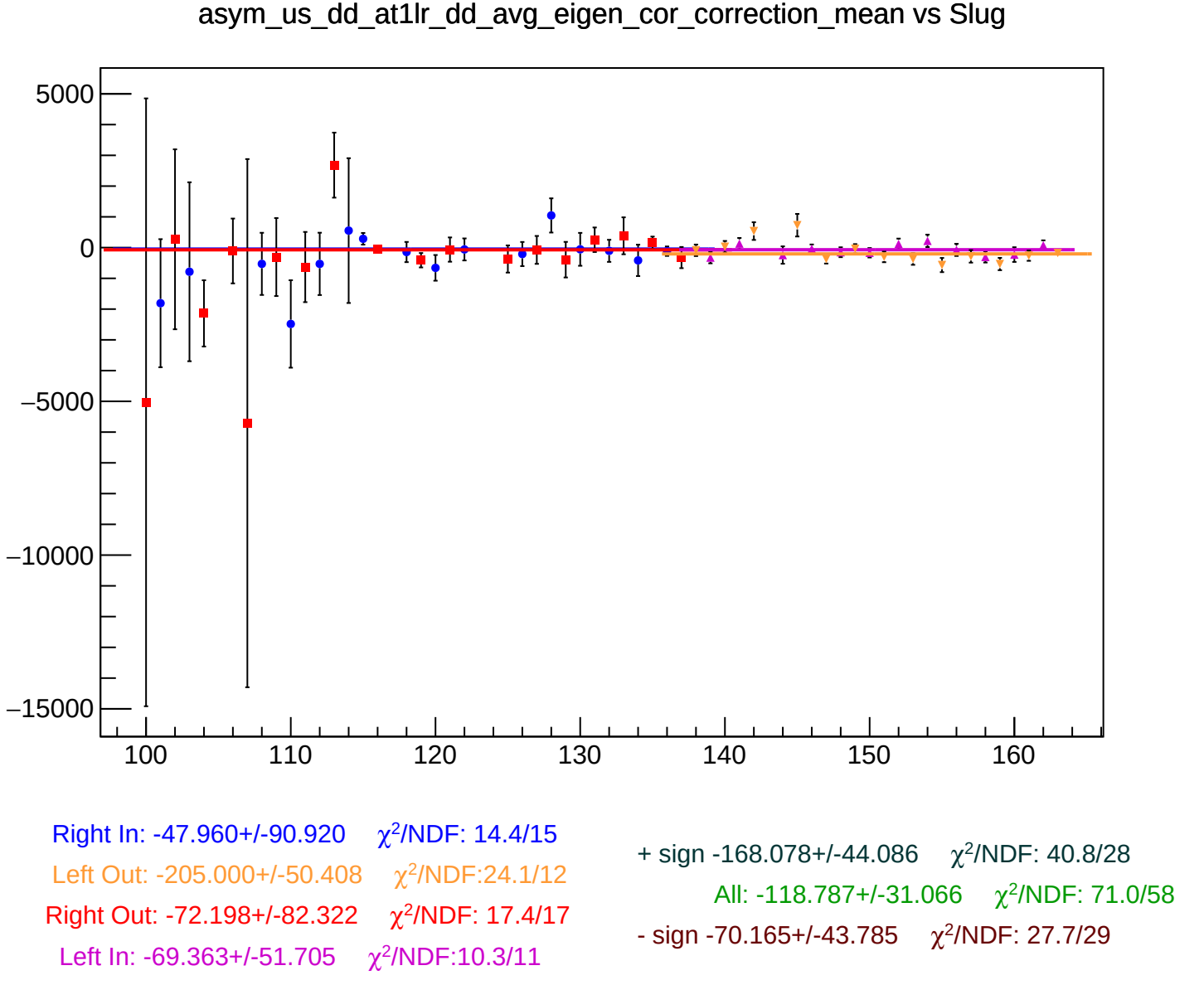
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

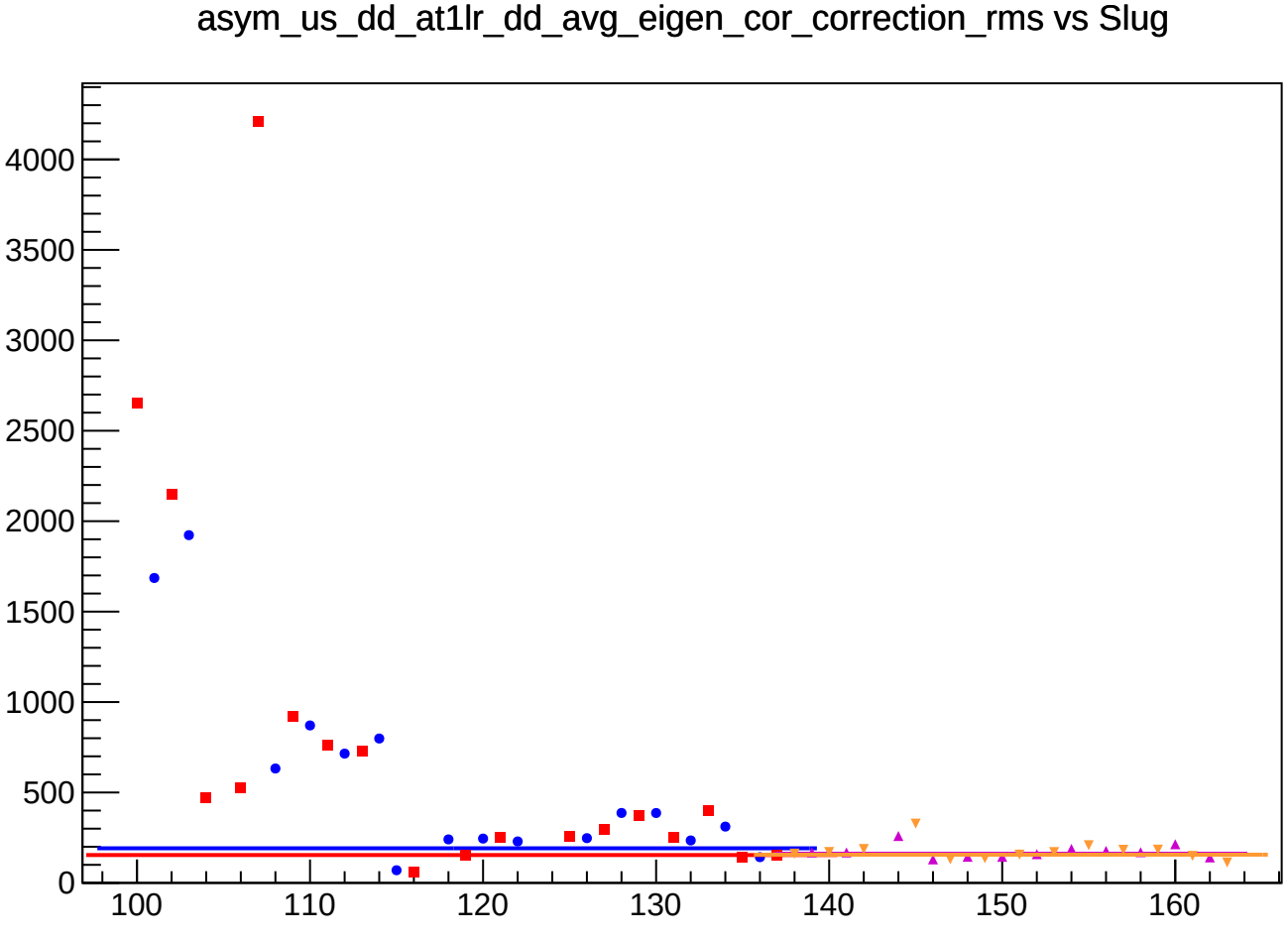
Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

+ sign 2227.264+/-0.378 χ^2/NDF: 540870.8/28

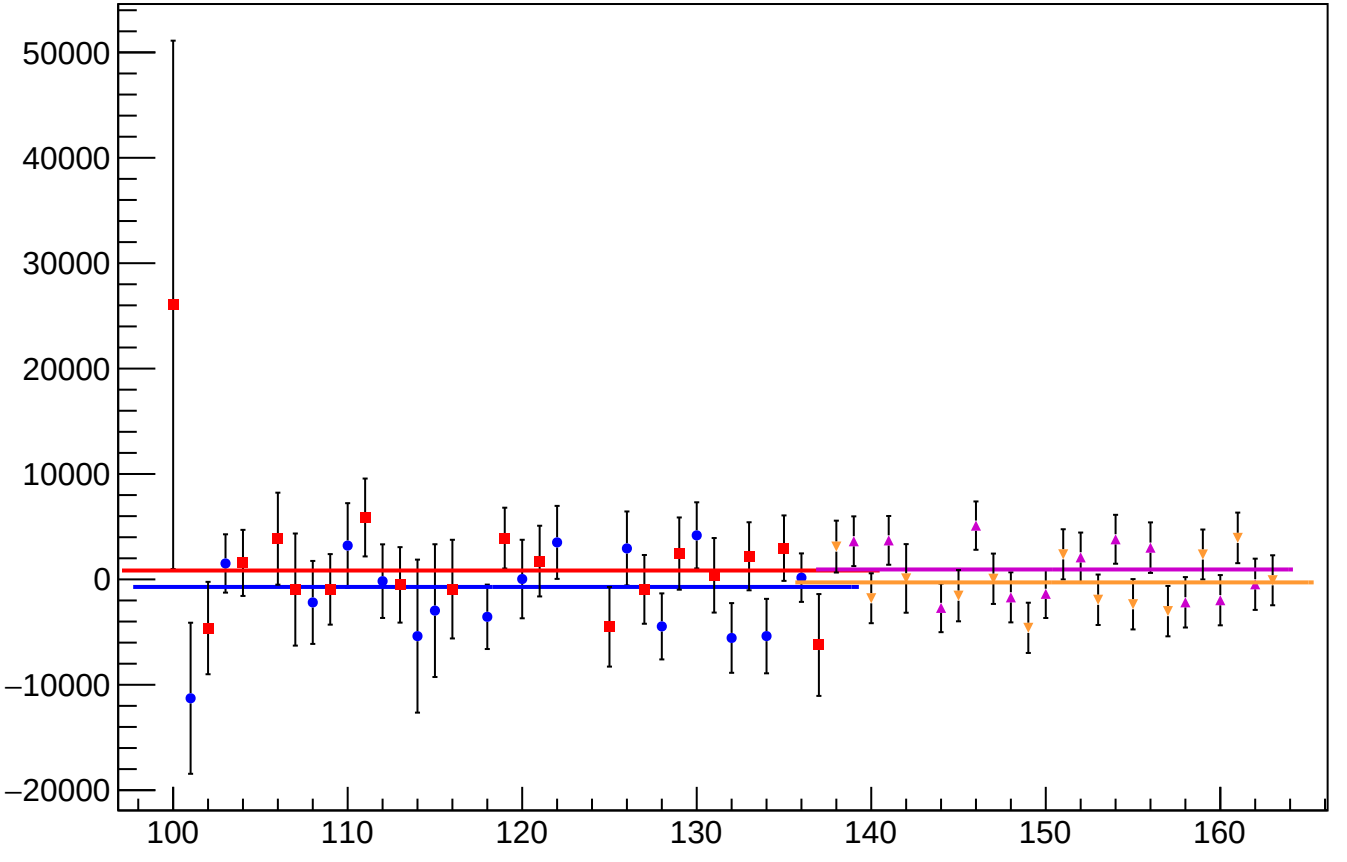
All: 2232.079+/-0.267 χ^2/NDF: 729190.9/58

- sign 2236.901+/-0.378 χ^2/NDF: 187995.2/29


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -47.960+/-90.920 χ²/NDF: 14.4/15
Left Out: -205.000+/-50.408 χ²/NDF:24.1/12
Right Out: -72.198+/-82.322 χ²/NDF: 17.4/17
Left In: -69.363+/-51.705 χ²/NDF:10.3/11
+ sign -168.078+/-44.086 χ²/NDF: 40.8/28
All: -118.787+/-31.066 χ²/NDF: 71.0/58
- sign -70.165+/-43.785 χ²/NDF: 27.7/29


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
Right In: 191.405+/-0.064 χ²/NDF: 5063603.7/15
Left Out: 156.204+/-0.036 χ²/NDF:984198.9/12
Right Out: 154.121+/-0.058 χ²/NDF: 6108665.0/17
Left In: 161.537+/-0.037 χ²/NDF:574726.6/11
+ sign 164.480+/-0.031 χ²/NDF: 6277114.7/28
All: 161.942+/-0.022 χ²/NDF: 12985308.6/58
- sign 159.439+/-0.031 χ²/NDF: 6695030.6/29

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -286.044+/-675.787 χ^2/NDF:14.0/12

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

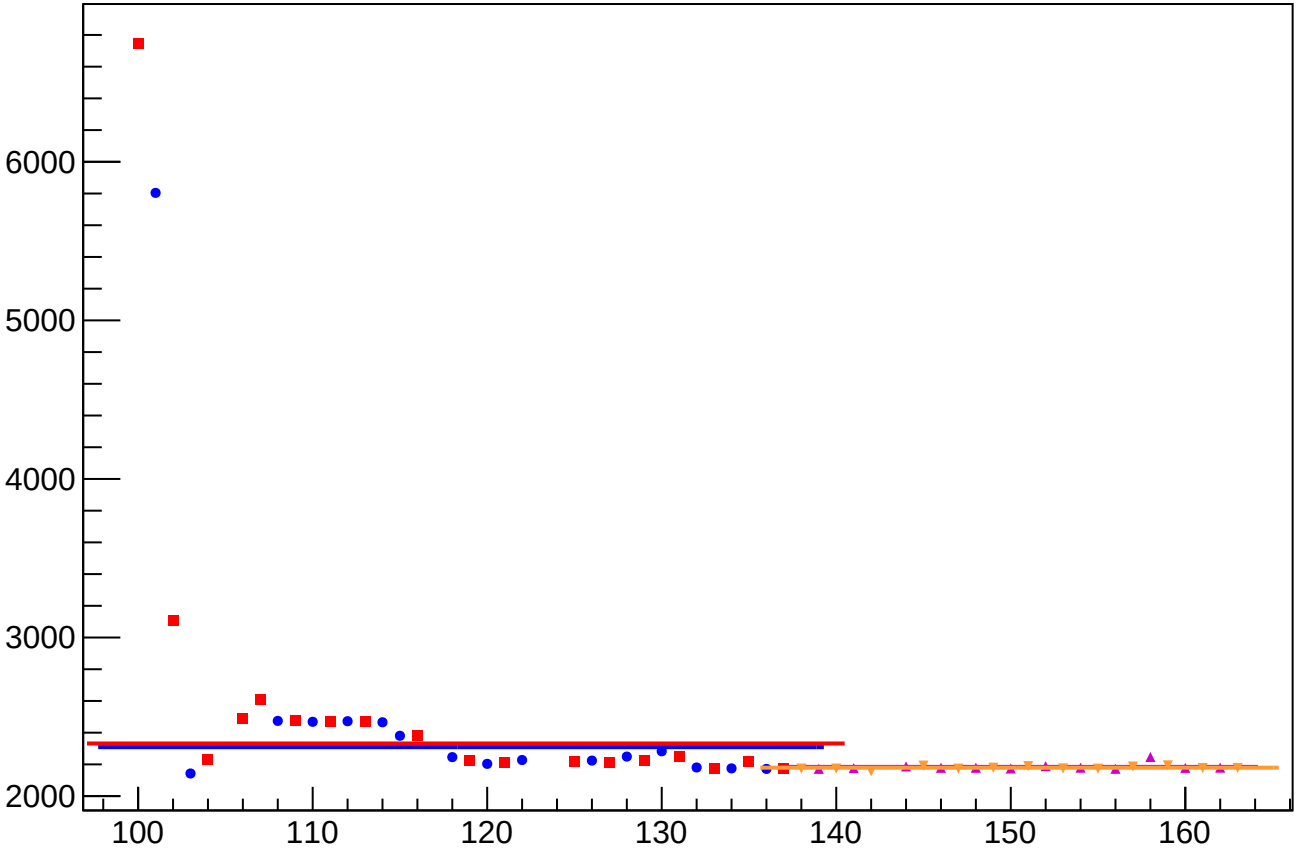
Left In: 940.845+/-678.496 χ^2/NDF:16.8/11

+ sign -447.449+/-534.509 χ^2/NDF: 30.0/28

All: 226.430+/-378.431 χ^2/NDF: 62.2/58

- sign 903.713+/-535.858 χ^2/NDF: 29.0/29

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.119+/-0.478 χ^2/NDF:344.7/12

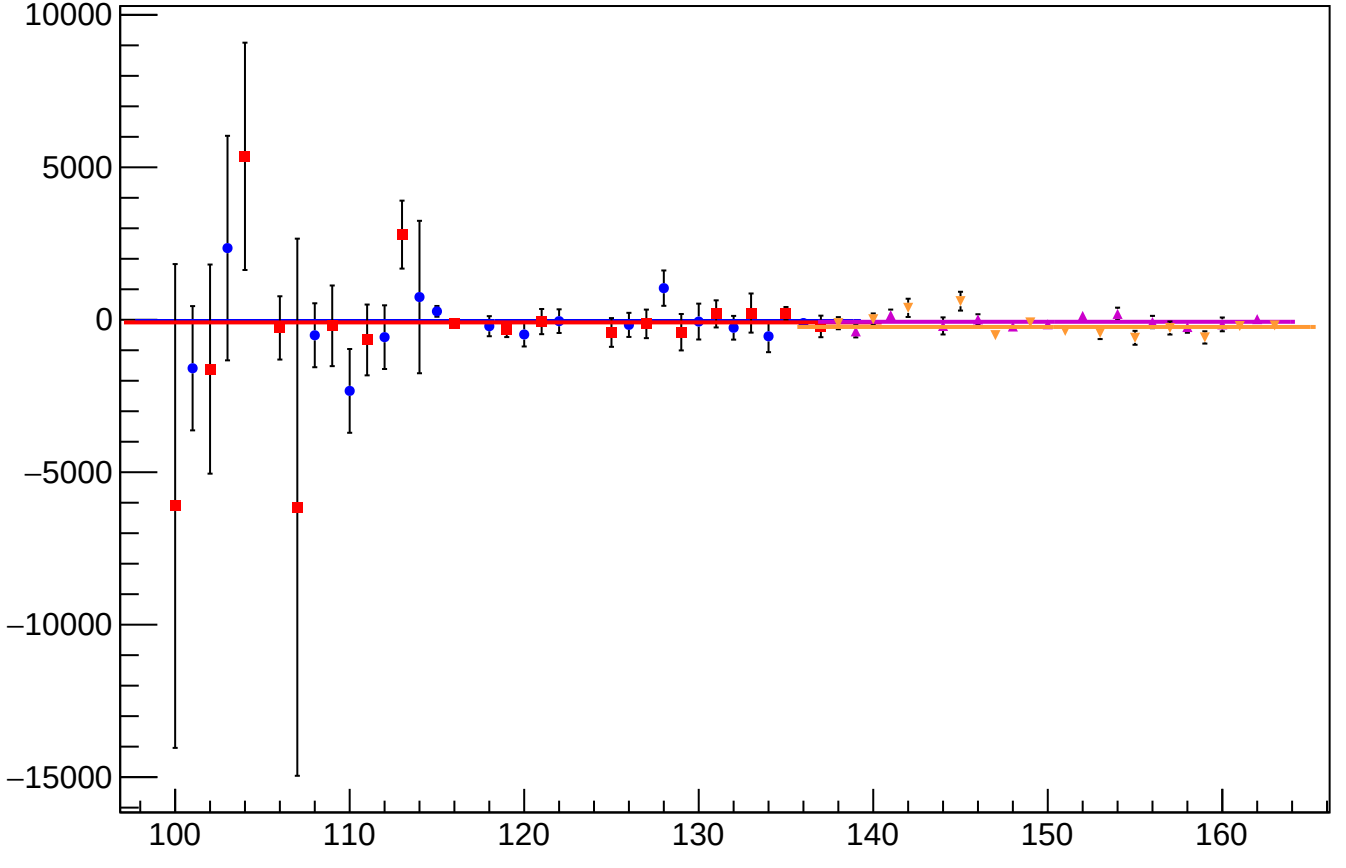
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.219+/-0.480 χ^2/NDF:1606.4/11

+ sign 2227.650+/-0.378 χ^2/NDF: 541635.7/28

All: 2233.693+/-0.268 χ^2/NDF: 746703.0/58

- sign 2239.766+/-0.379 χ^2/NDF: 204554.7/29



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -235.853+/-50.480 χ^2/NDF:25.1/12

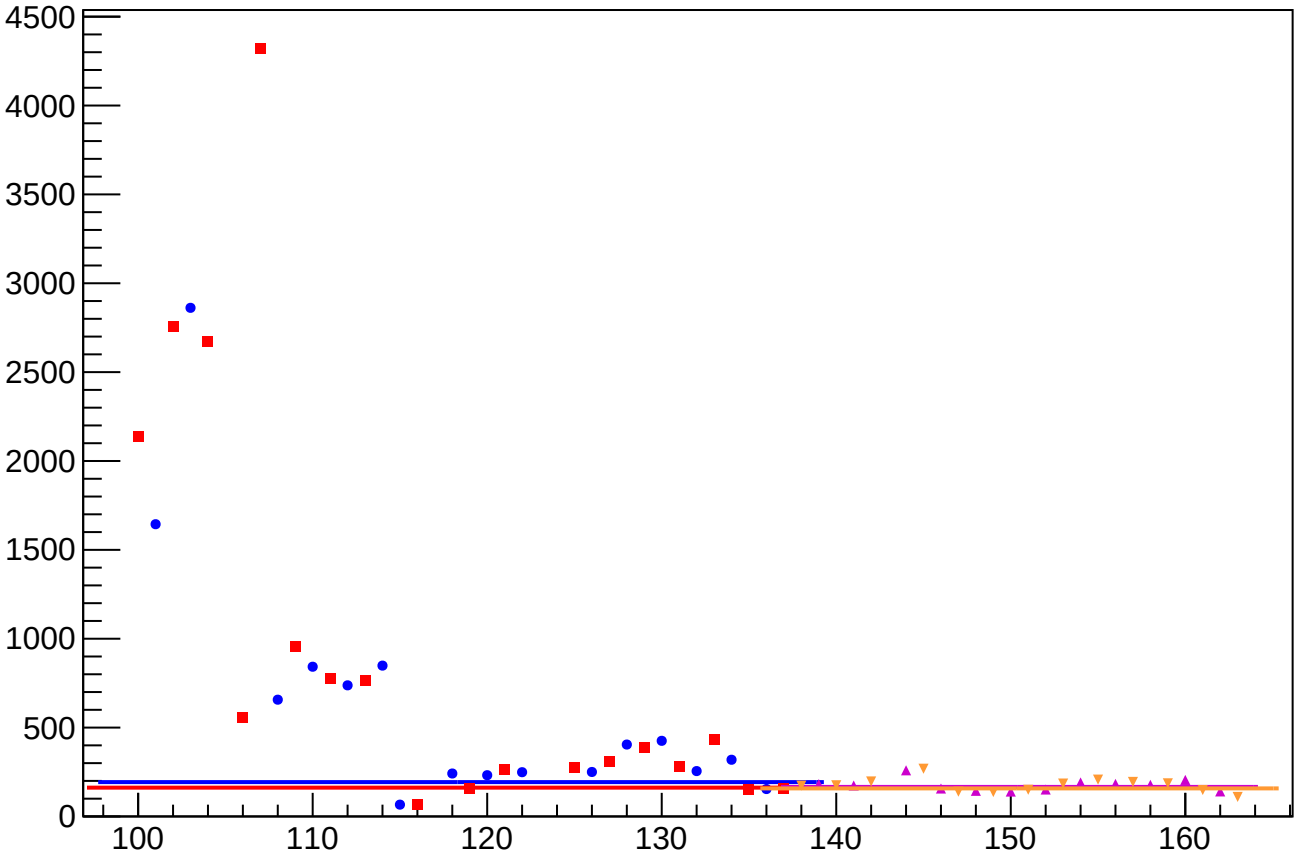
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -66.284+/-52.553 χ^2/NDF:9.8/11

+ sign -190.868+/-44.301 χ^2/NDF: 42.6/28

All: -132.044+/-31.520 χ^2/NDF: 71.0/58

- sign -71.739+/-44.855 χ^2/NDF: 24.8/29



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 157.856+/-0.036 χ^2/NDF:938323.2/12

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

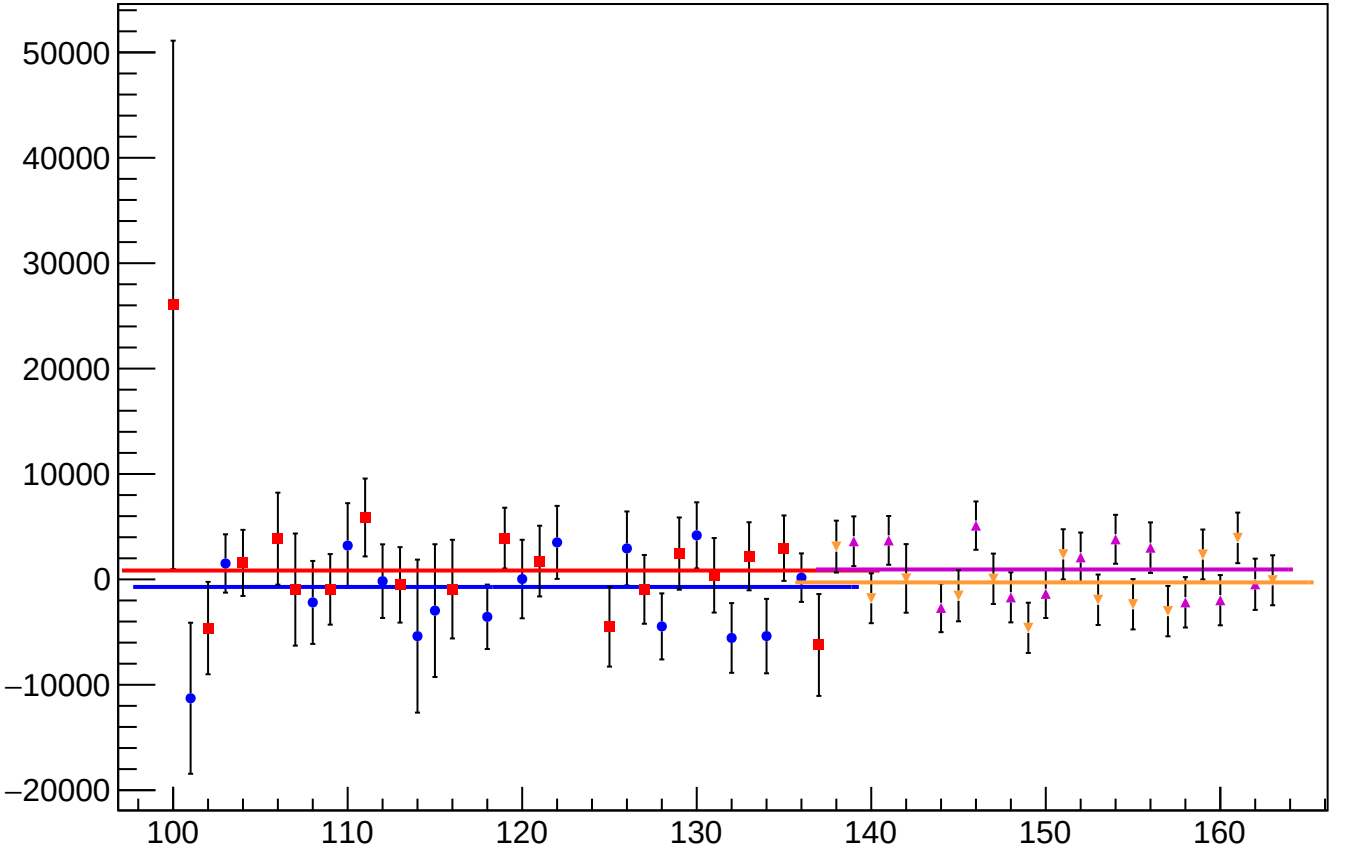
Left In: 166.198+/-0.037 χ^2/NDF:526591.3/11

+ sign 165.992+/-0.031 χ^2/NDF: 6782205.6/28

All: 165.546+/-0.022 χ^2/NDF: 14382974.5/58

- sign 165.089+/-0.032 χ^2/NDF: 7600358.8/29

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: -286.046+/-675.787 χ^2/NDF:14.0/12

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

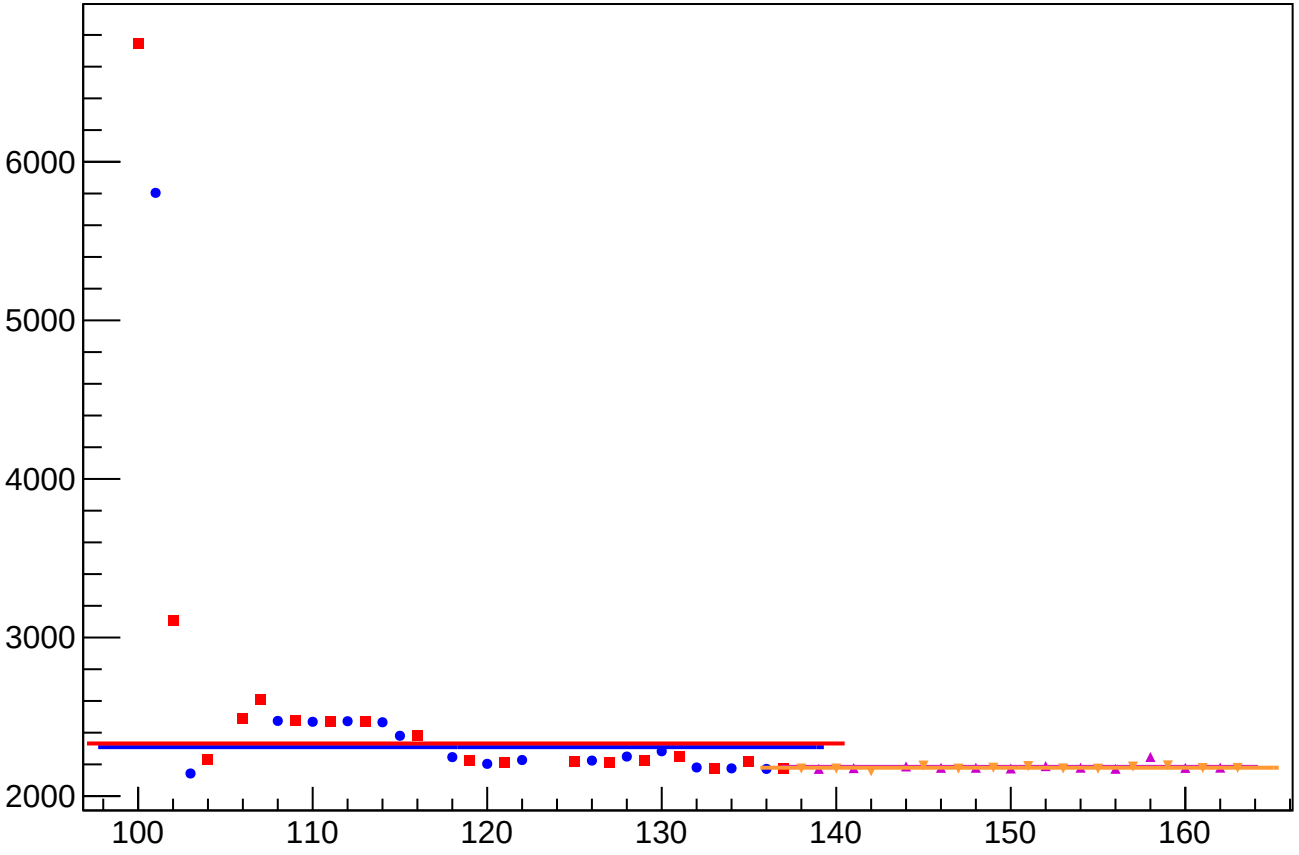
Left In: 940.844+/-678.496 χ^2/NDF:16.8/11

+ sign -447.450+/-534.509 χ^2/NDF: 30.0/28

All: 226.429+/-378.431 χ^2/NDF: 62.2/58

- sign 903.713+/-535.858 χ^2/NDF: 29.0/29

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: 2179.119+/-0.478 χ^2/NDF:344.7/12

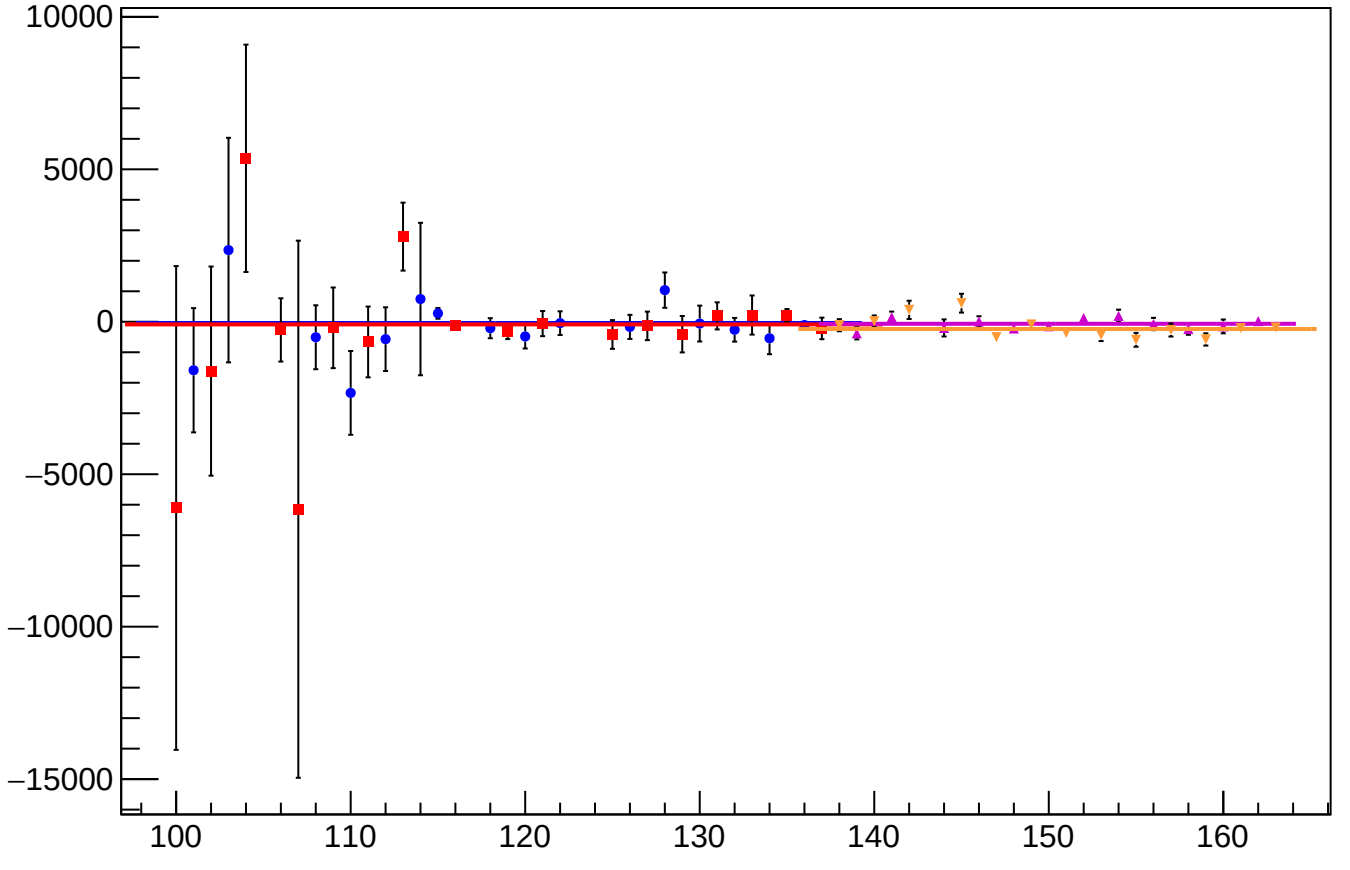
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.219+/-0.480 χ^2/NDF:1606.4/11

+ sign 2227.650+/-0.378 χ^2/NDF: 541635.7/28

All: 2233.693+/-0.268 χ^2/NDF: 746702.9/58

- sign 2239.766+/-0.379 χ^2/NDF: 204554.6/29



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -235.854+/-50.480 χ^2/NDF:25.1/12

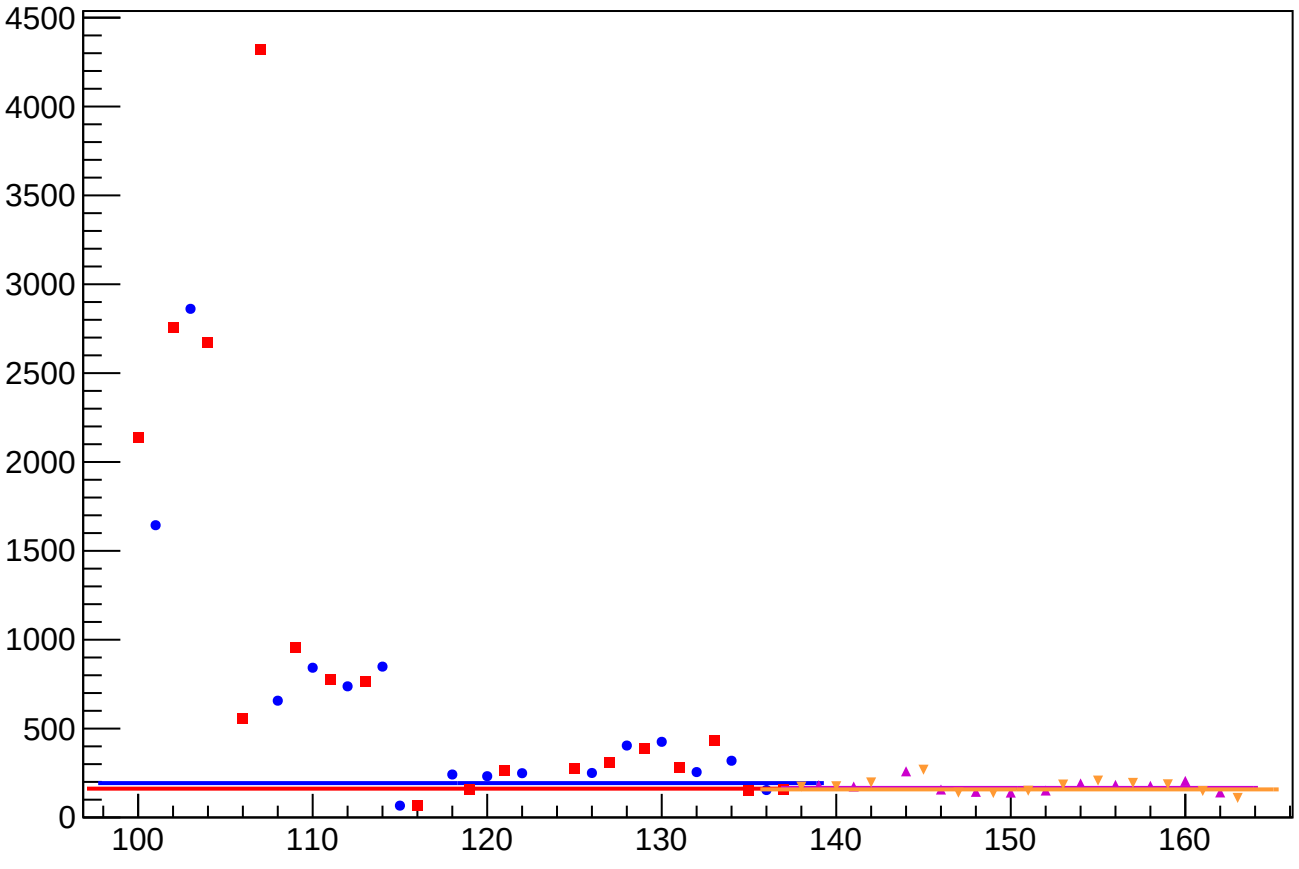
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -66.283+/-52.553 χ^2/NDF:9.8/11

+ sign -190.867+/-44.301 χ^2/NDF: 42.6/28

All: -132.044+/-31.520 χ^2/NDF: 71.0/58

- sign -71.739+/-44.855 χ^2/NDF: 24.8/29



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 157.856+/-0.036 χ^2/NDF:938355.9/12

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

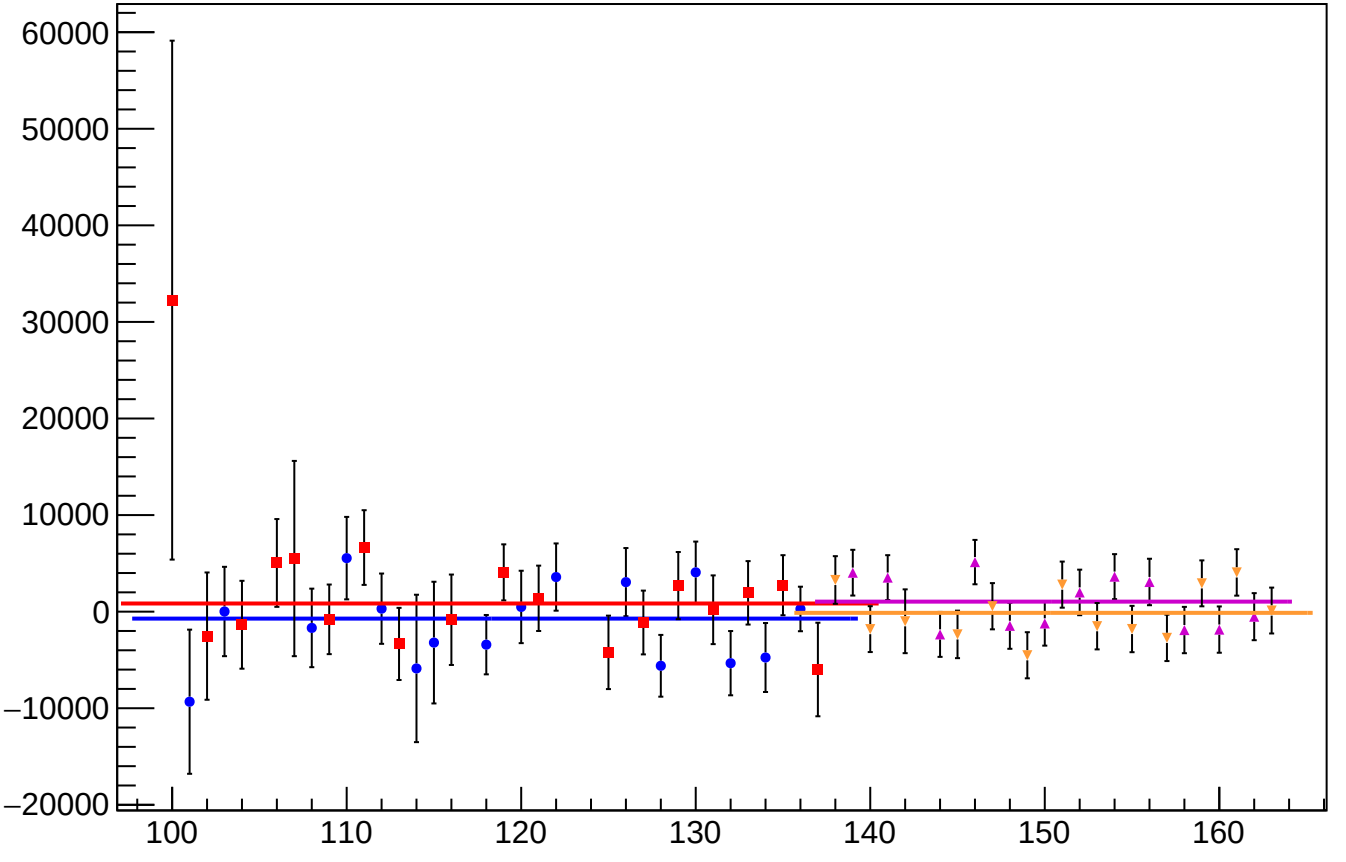
Left In: 166.198+/-0.037 χ^2/NDF:526594.2/11

+ sign 165.991+/-0.031 χ^2/NDF: 6782253.3/28

All: 165.546+/-0.022 χ^2/NDF: 14383088.1/58

- sign 165.089+/-0.032 χ^2/NDF: 7600424.9/29

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -124.032+/-678.528 χ^2/NDF:14.9/12

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

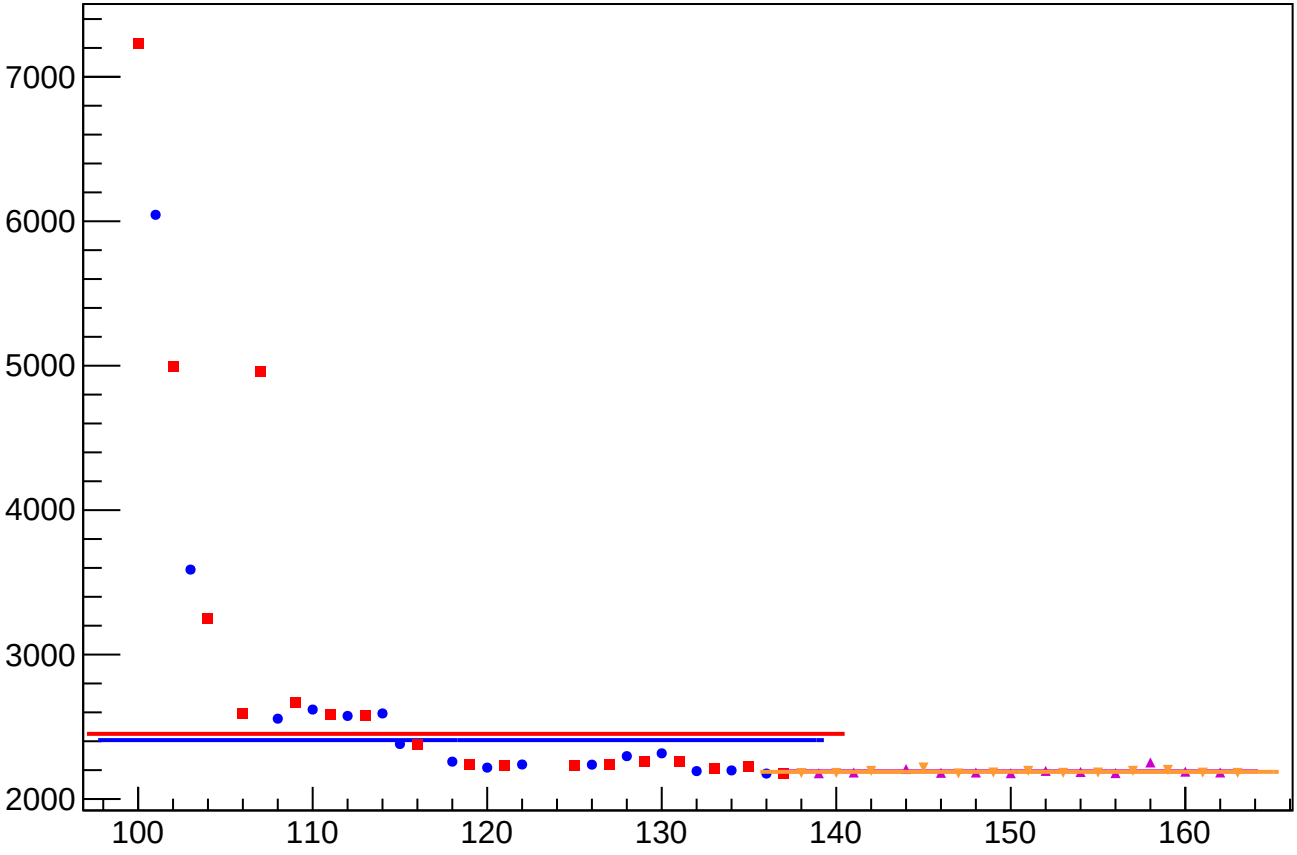
Left In: 1037.968+/-680.854 χ^2/NDF:15.6/11

+ sign -334.963+/-545.281 χ^2/NDF: 31.0/28

All: 313.187+/-386.915 χ^2/NDF: 62.4/58

- sign 970.444+/-549.099 χ^2/NDF: 28.6/29

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.192+/-0.480 χ^2/NDF:545.8/12

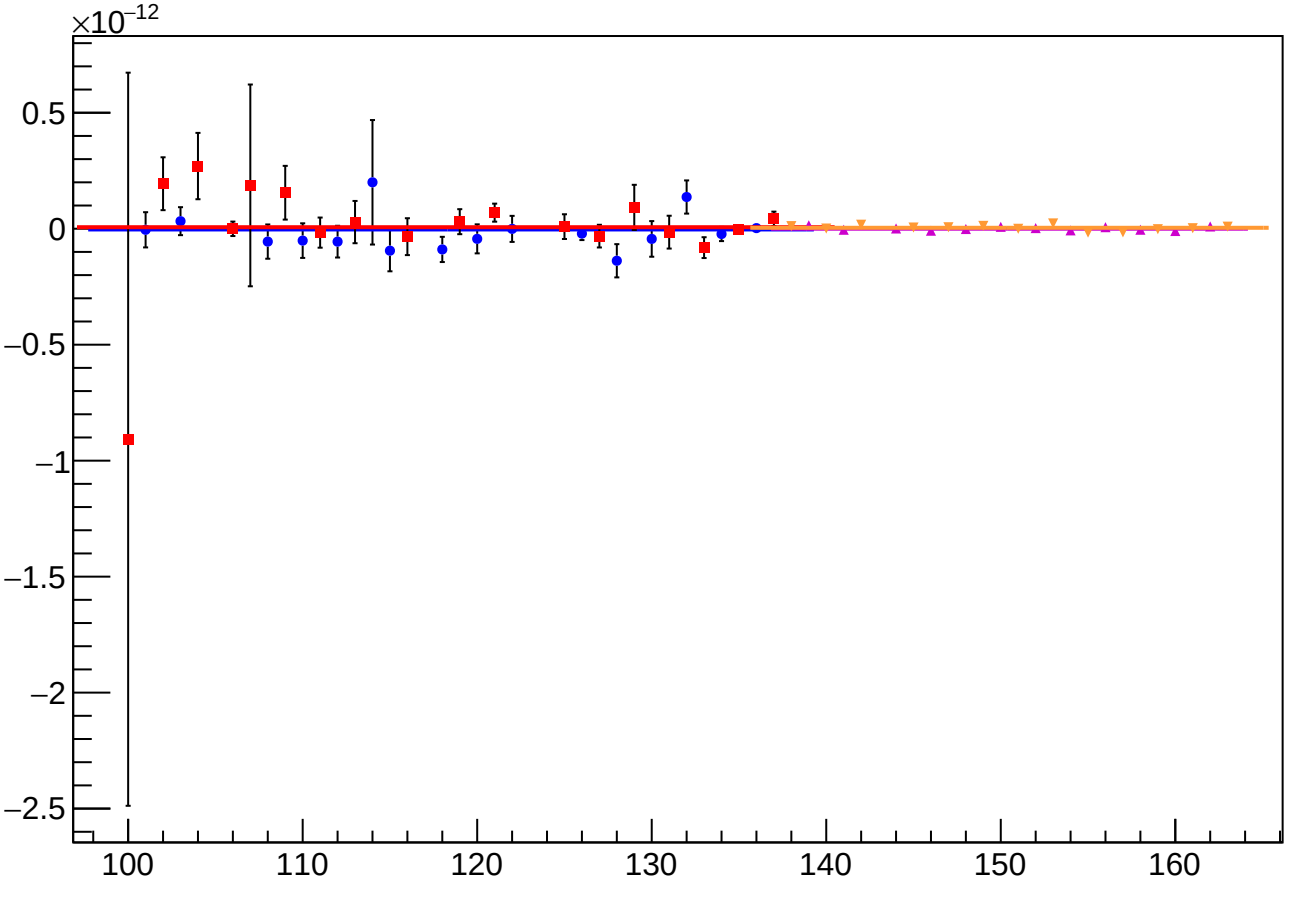
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.801+/-0.481 χ^2/NDF:1703.8/11

+ sign 2265.973+/-0.386 χ^2/NDF: 751637.3/28

All: 2274.168+/-0.274 χ^2/NDF: 1489329.1/58

- sign 2282.478+/-0.388 χ^2/NDF: 736781.9/29



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

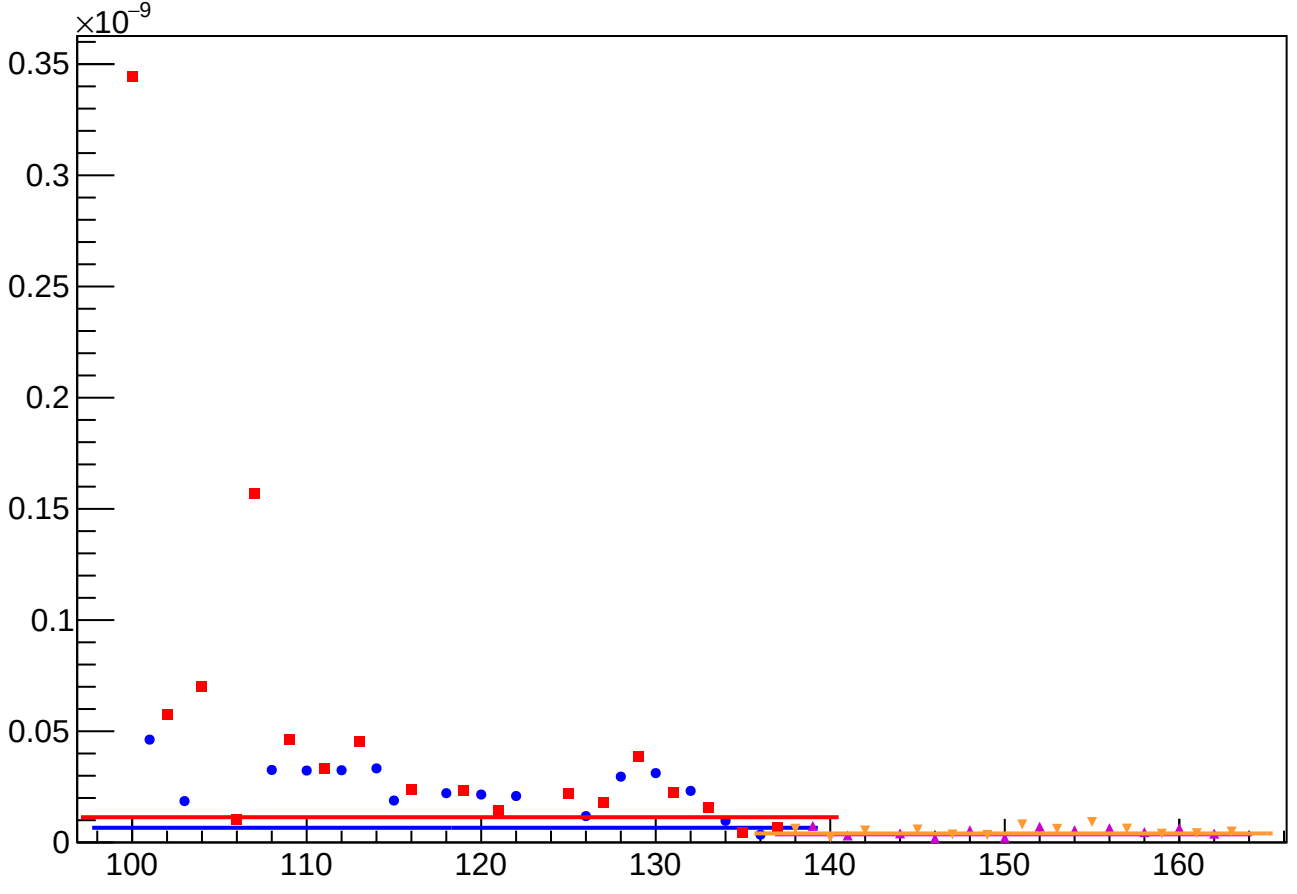
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/28

All: 0.000+/-0.000 χ^2/NDF: 59.5/58

- sign 0.000+/-0.000 χ^2/NDF: 30.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1160572.2/12

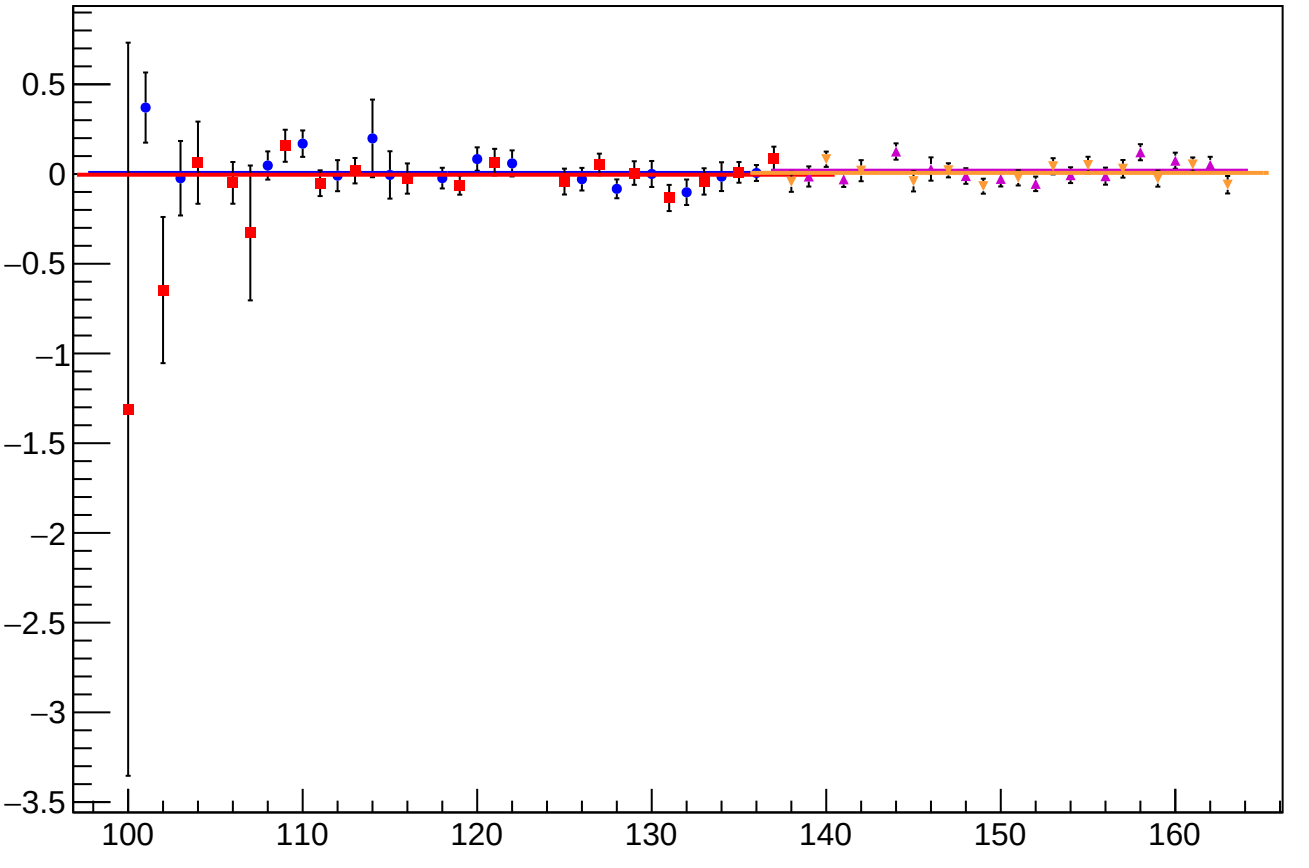
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1159954.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 4306212.3/28

All: 0.000+/-0.000 χ^2/NDF: 9367190.5/58

- sign 0.000+/-0.000 χ^2/NDF: 5039229.9/29



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:14.0/12

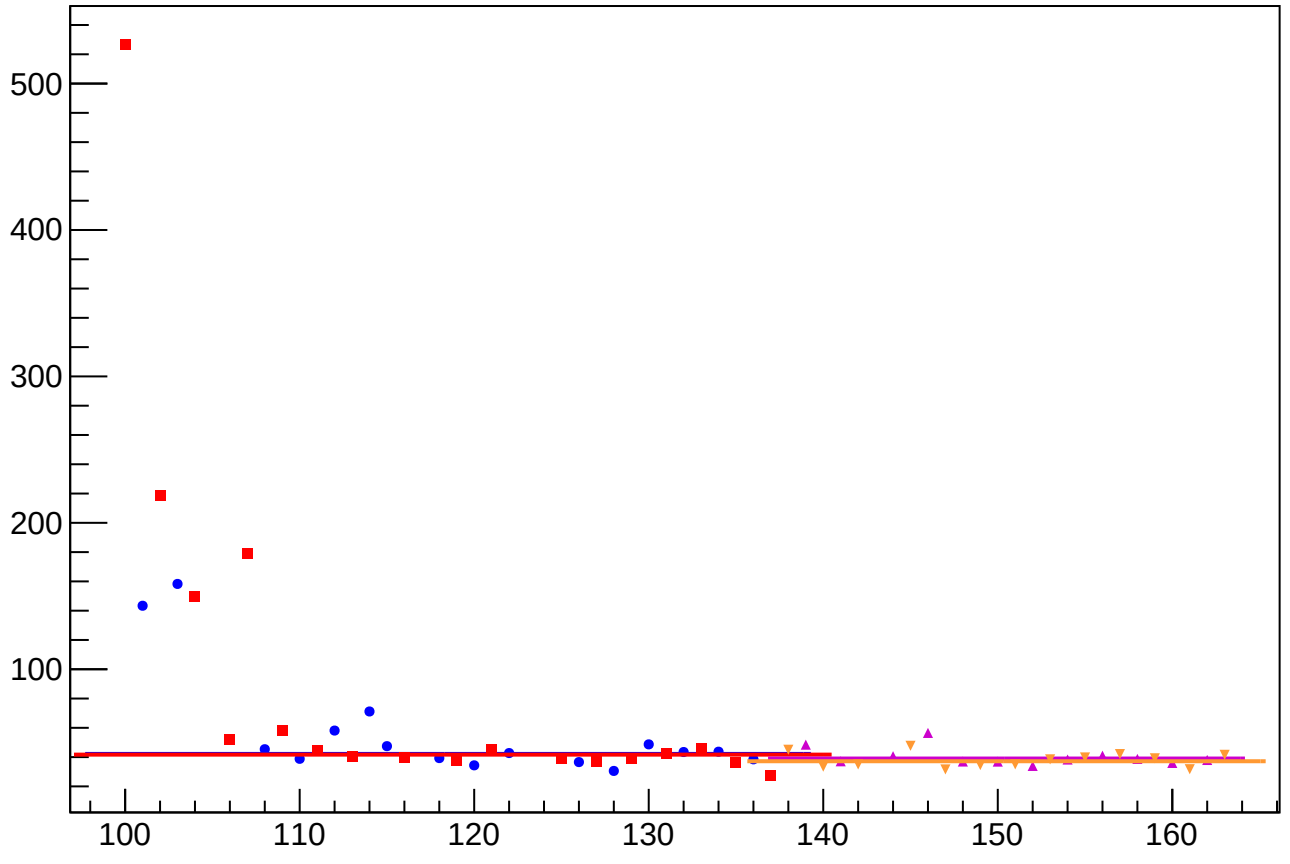
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.013 χ^2/NDF:20.1/11

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 68.7/58

- sign 0.011+/-0.011 χ^2/NDF: 37.4/29



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.177+/-0.009 χ^2/NDF:266025.5/12

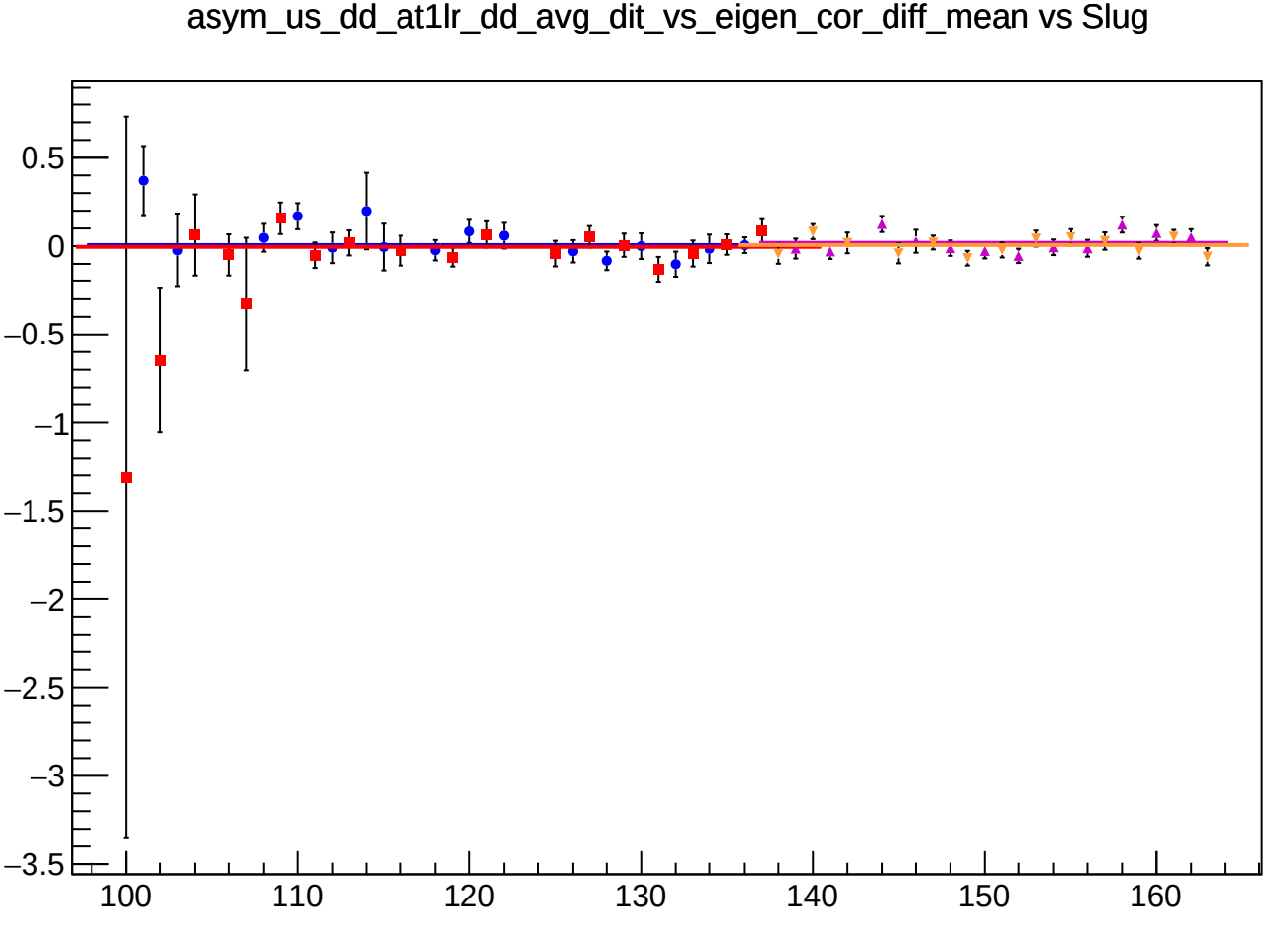
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.019+/-0.009 χ^2/NDF:262469.7/11

+ sign 38.804+/-0.007 χ^2/NDF: 1820977.5/28

All: 39.342+/-0.005 χ^2/NDF: 3563129.9/58

- sign 39.916+/-0.008 χ^2/NDF: 1731144.1/29



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:14.0/12

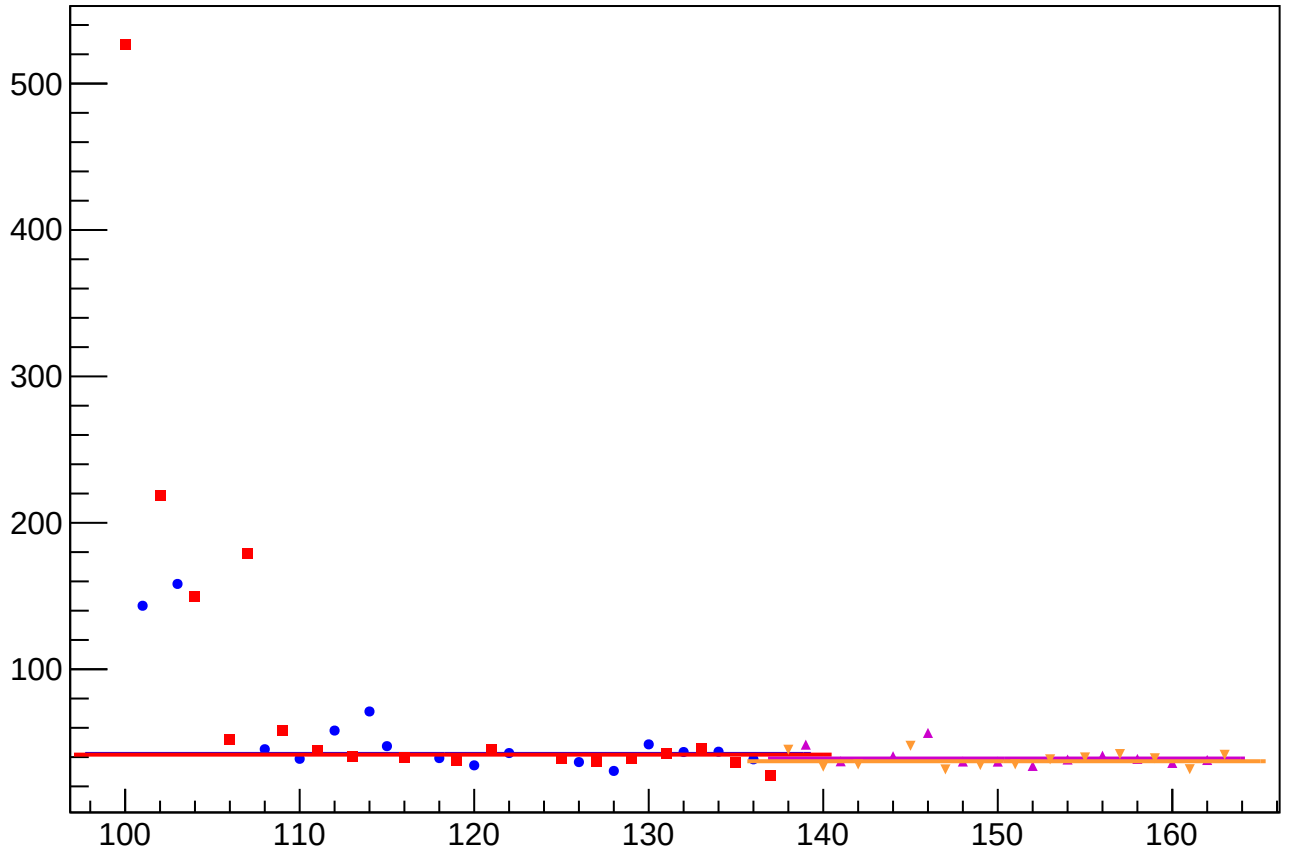
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.013 χ^2/NDF:20.1/11

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 68.7/58

- sign 0.011+/-0.011 χ^2/NDF: 37.4/29



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.177+/-0.009 χ^2/NDF:266025.5/12

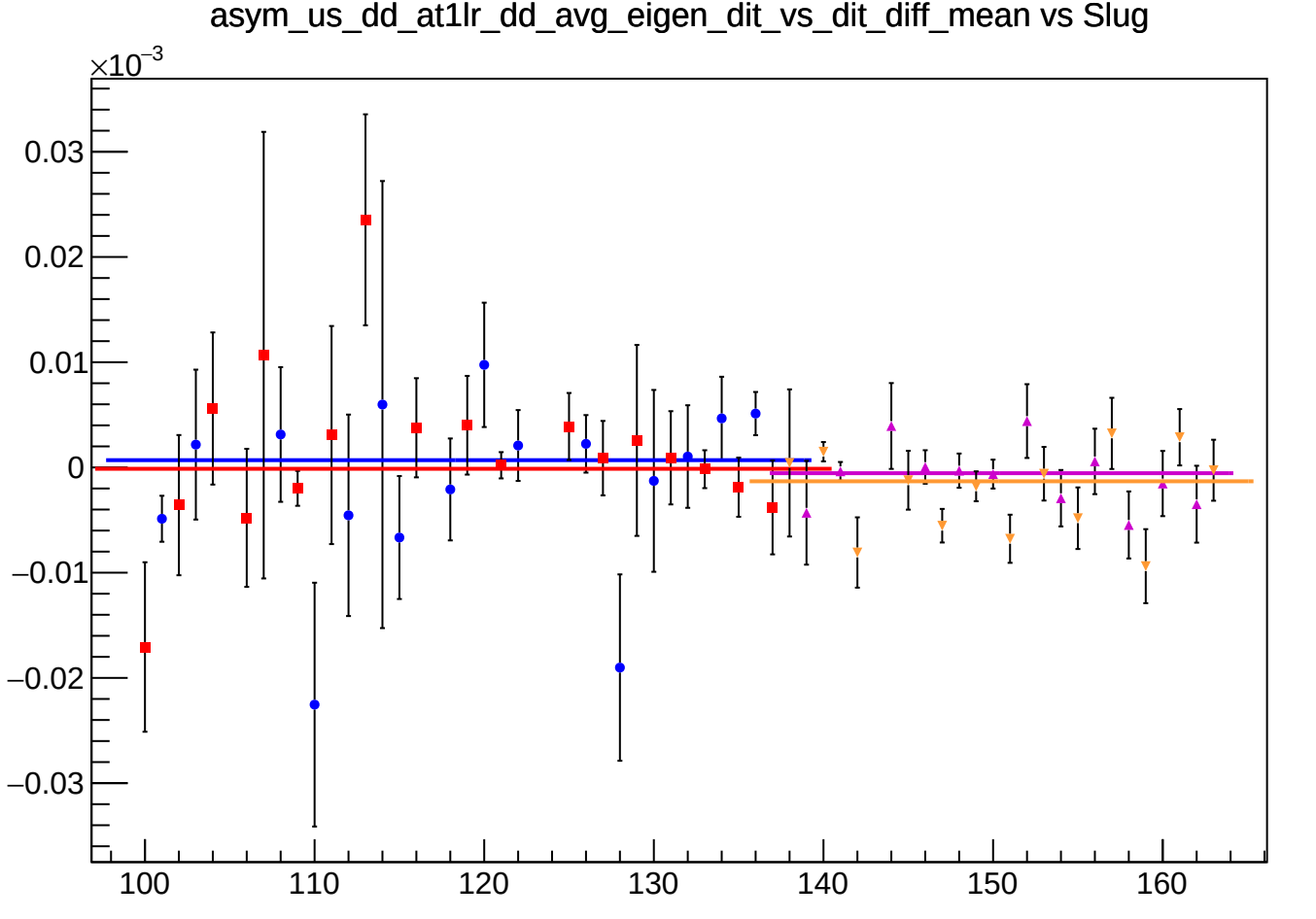
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.019+/-0.009 χ^2/NDF:262469.7/11

\+ sign 38.804+/-0.007 χ^2/NDF: 1820977.5/28

All: 39.342+/-0.005 χ^2/NDF: 3563129.9/58

\- sign 39.916+/-0.008 χ^2/NDF: 1731144.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.5/12

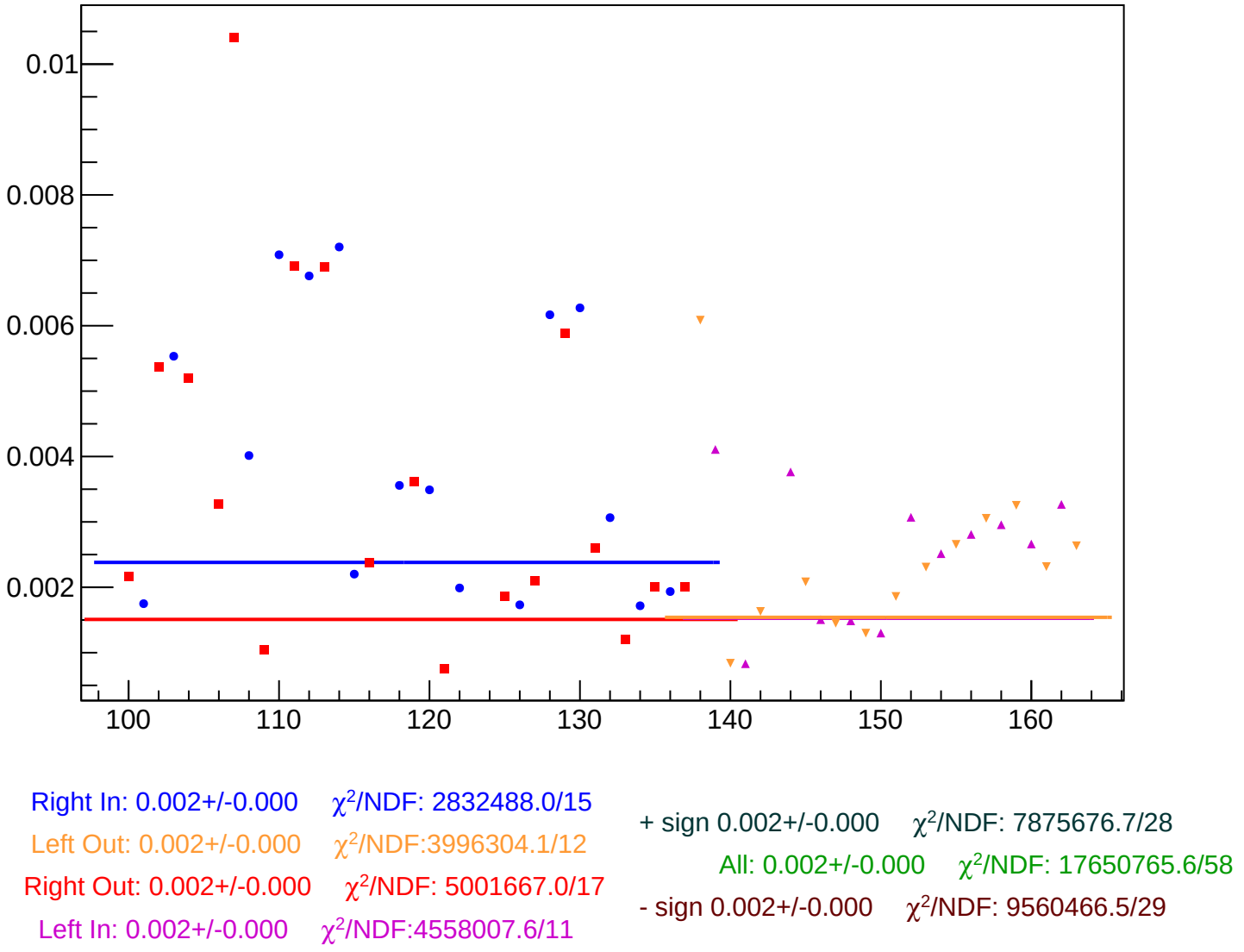
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

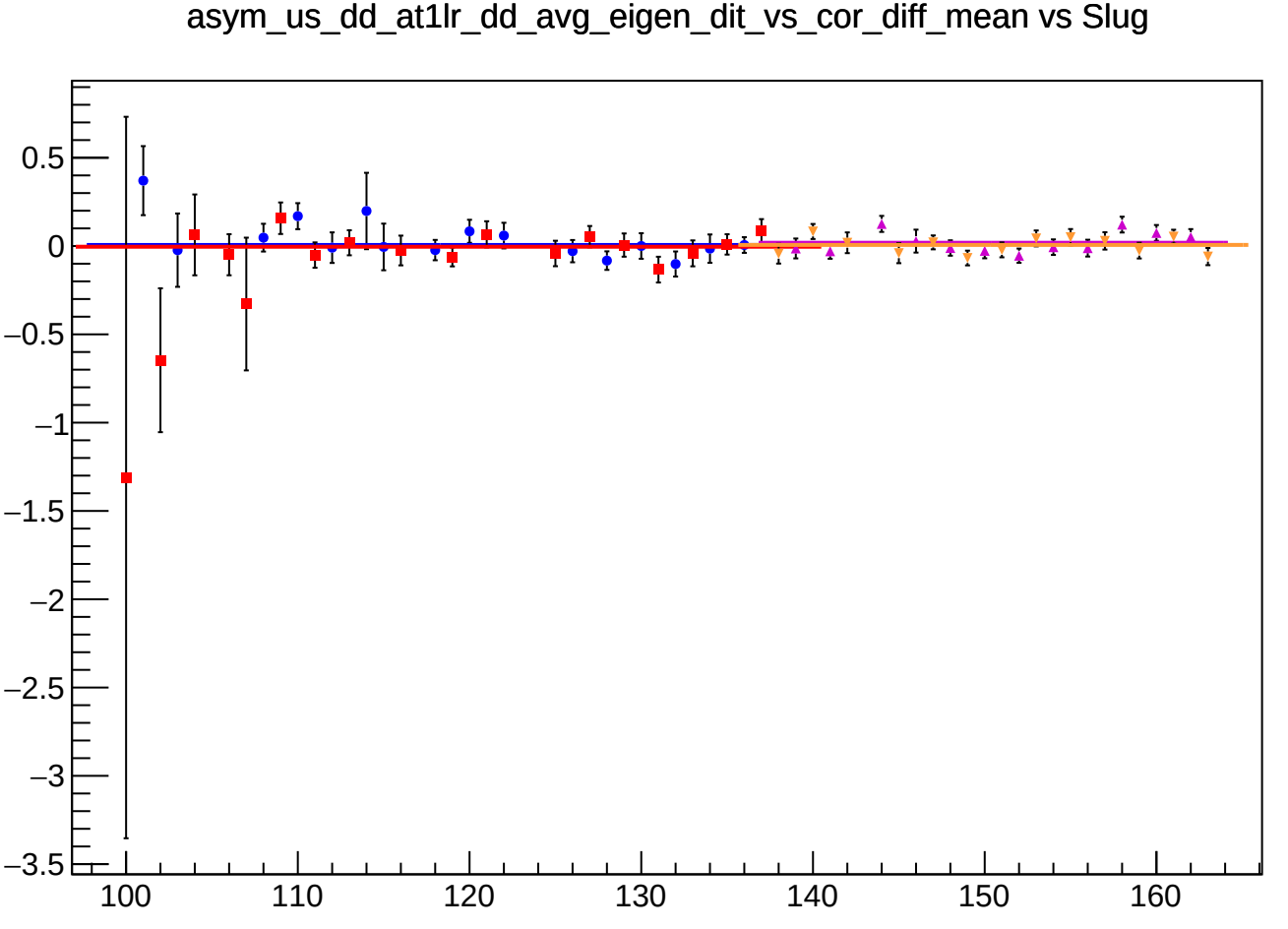
Left In: -0.000+/-0.000 χ^2/NDF:8.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/28

All: -0.000+/-0.000 χ^2/NDF: 93.2/58

- sign -0.000+/-0.000 χ^2/NDF: 25.7/29


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
160
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.002+/-0.000 χ²/NDF:3996304.1/12
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.002+/-0.000 χ²/NDF:4558007.6/11
+ sign 0.002+/-0.000 χ²/NDF: 7875676.7/28
All: 0.002+/-0.000 χ²/NDF: 17650765.6/58
- sign 0.002+/-0.000 χ²/NDF: 9560466.5/29



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:14.0/12

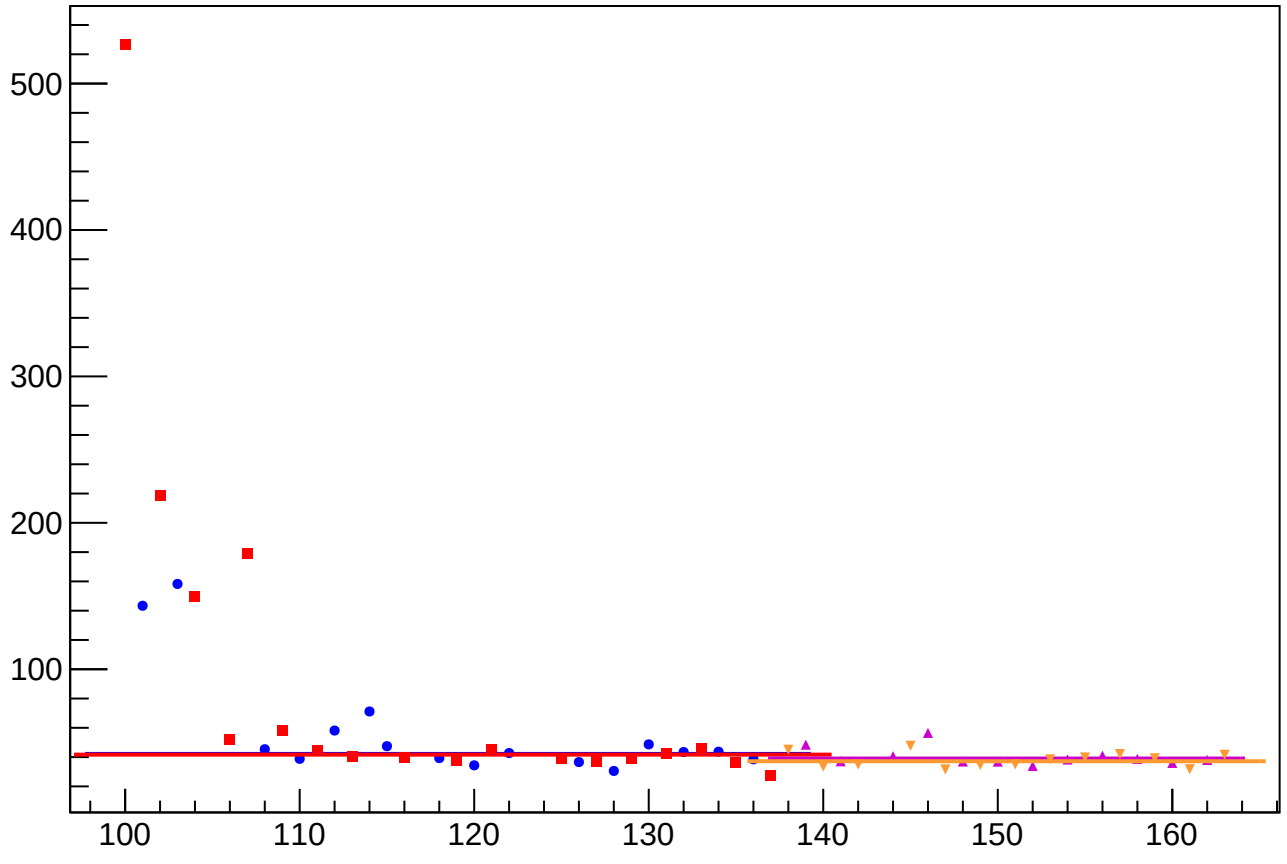
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.013 χ^2/NDF:20.1/11

+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 68.7/58

- sign 0.011+/-0.011 χ^2/NDF: 37.4/29



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.178+/-0.009 χ^2/NDF:266007.8/12

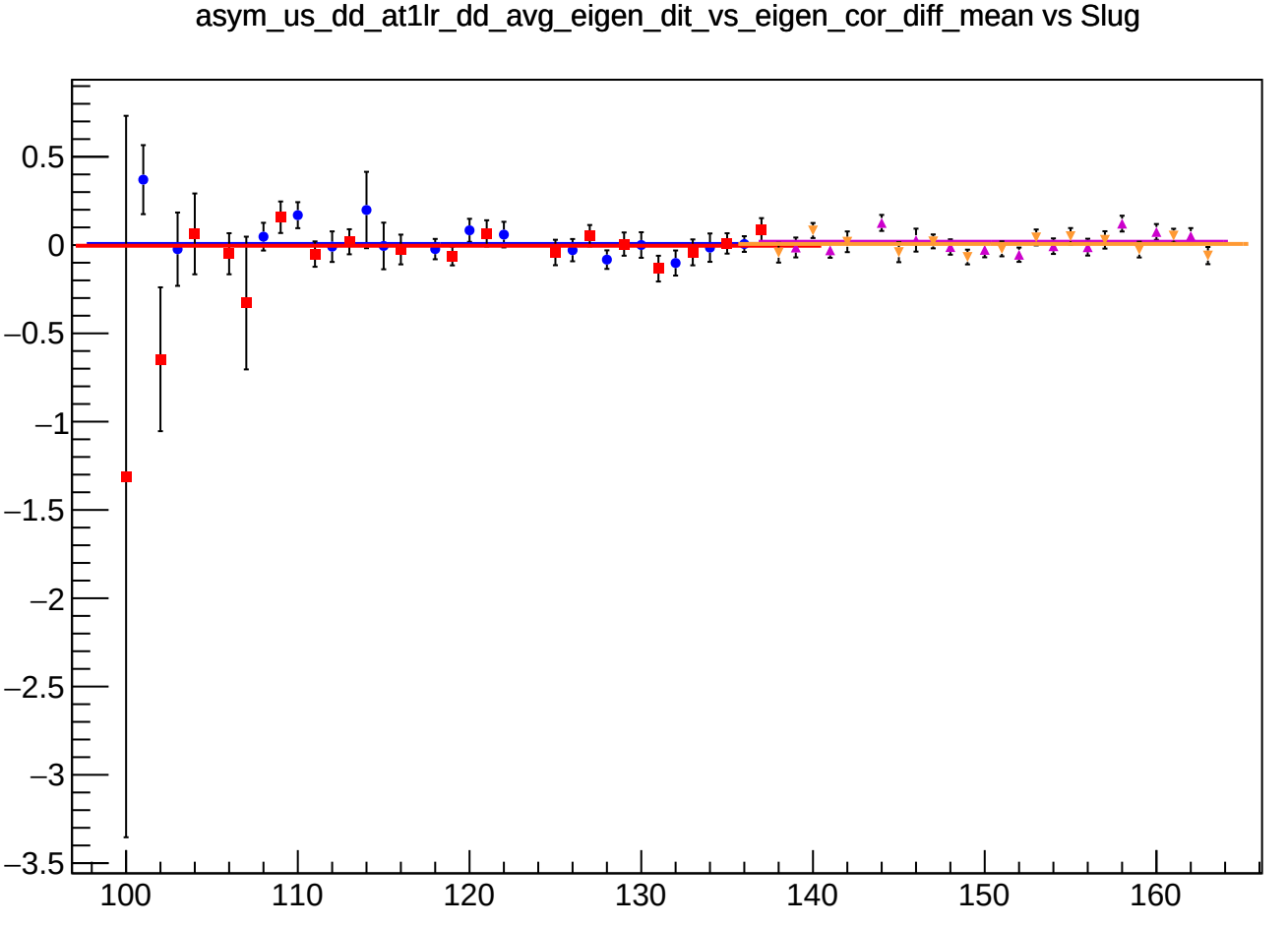
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.019+/-0.009 χ^2/NDF:262501.2/11

+ sign 38.804+/-0.007 χ^2/NDF: 1821076.1/28

All: 39.342+/-0.005 χ^2/NDF: 3563266.4/58

- sign 39.916+/-0.008 χ^2/NDF: 1731167.0/29



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:14.0/12

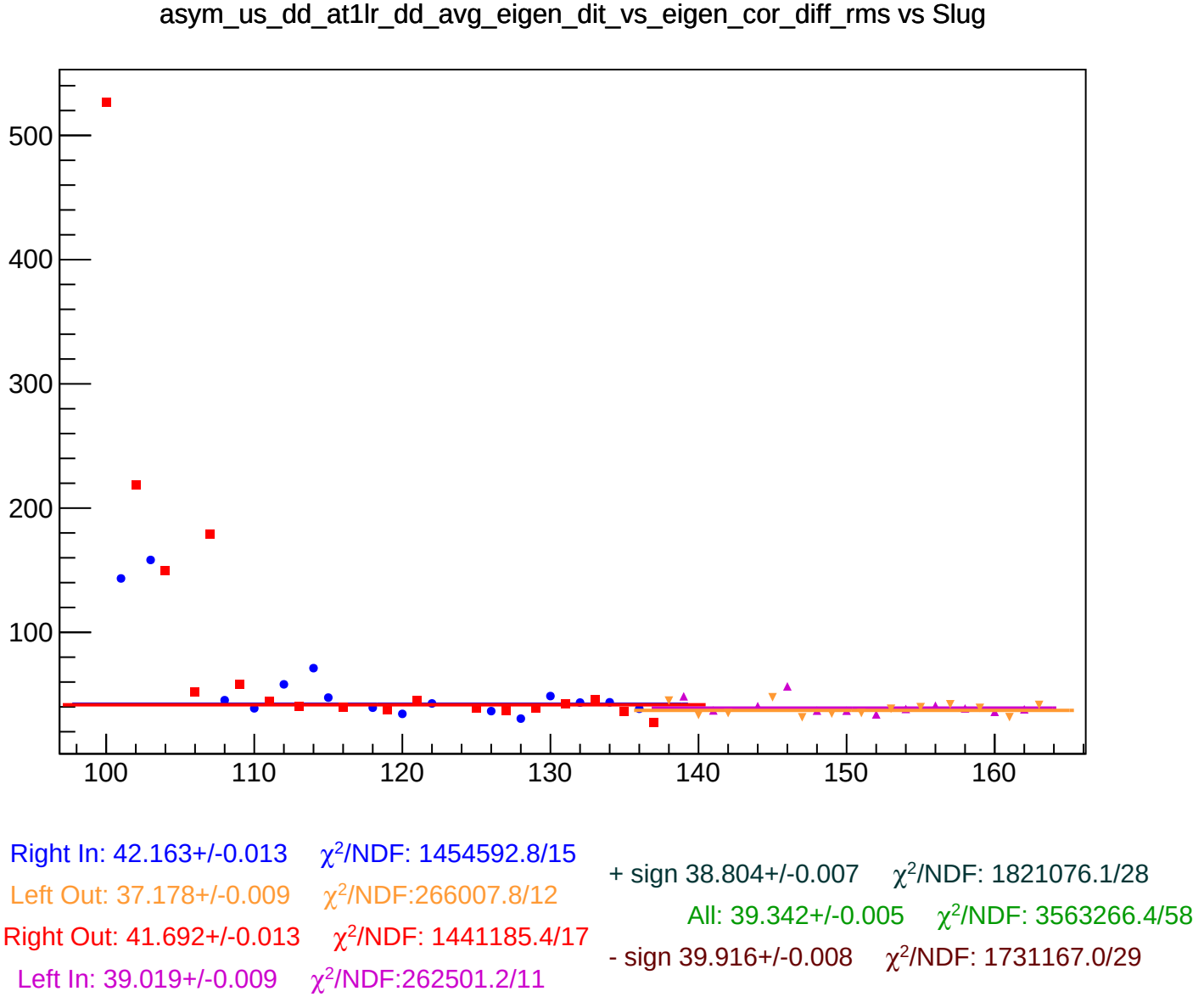
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

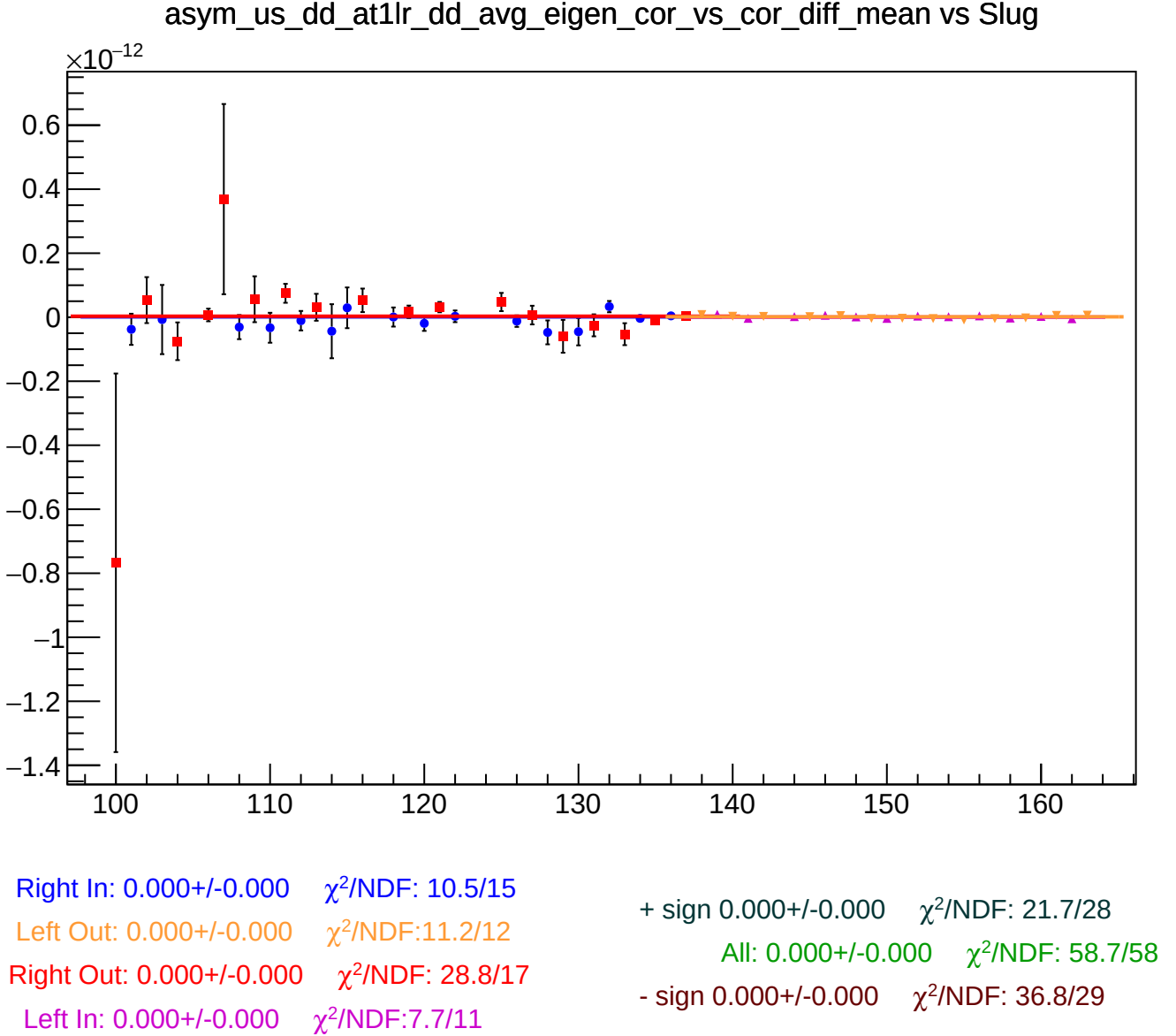
Left In: 0.019+/-0.013 χ^2/NDF:20.1/11

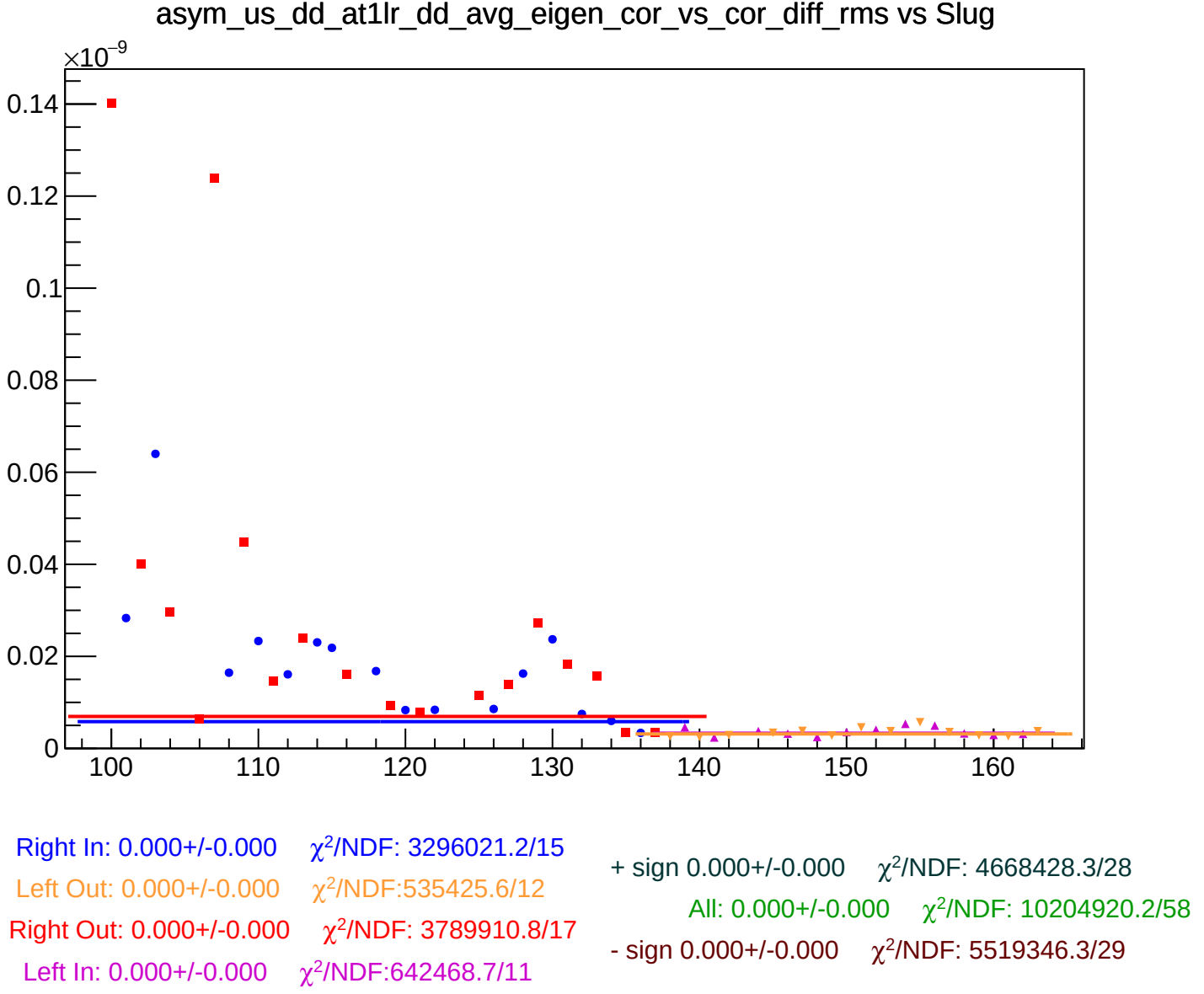
+ sign 0.006+/-0.010 χ^2/NDF: 31.2/28

All: 0.009+/-0.007 χ^2/NDF: 68.7/58

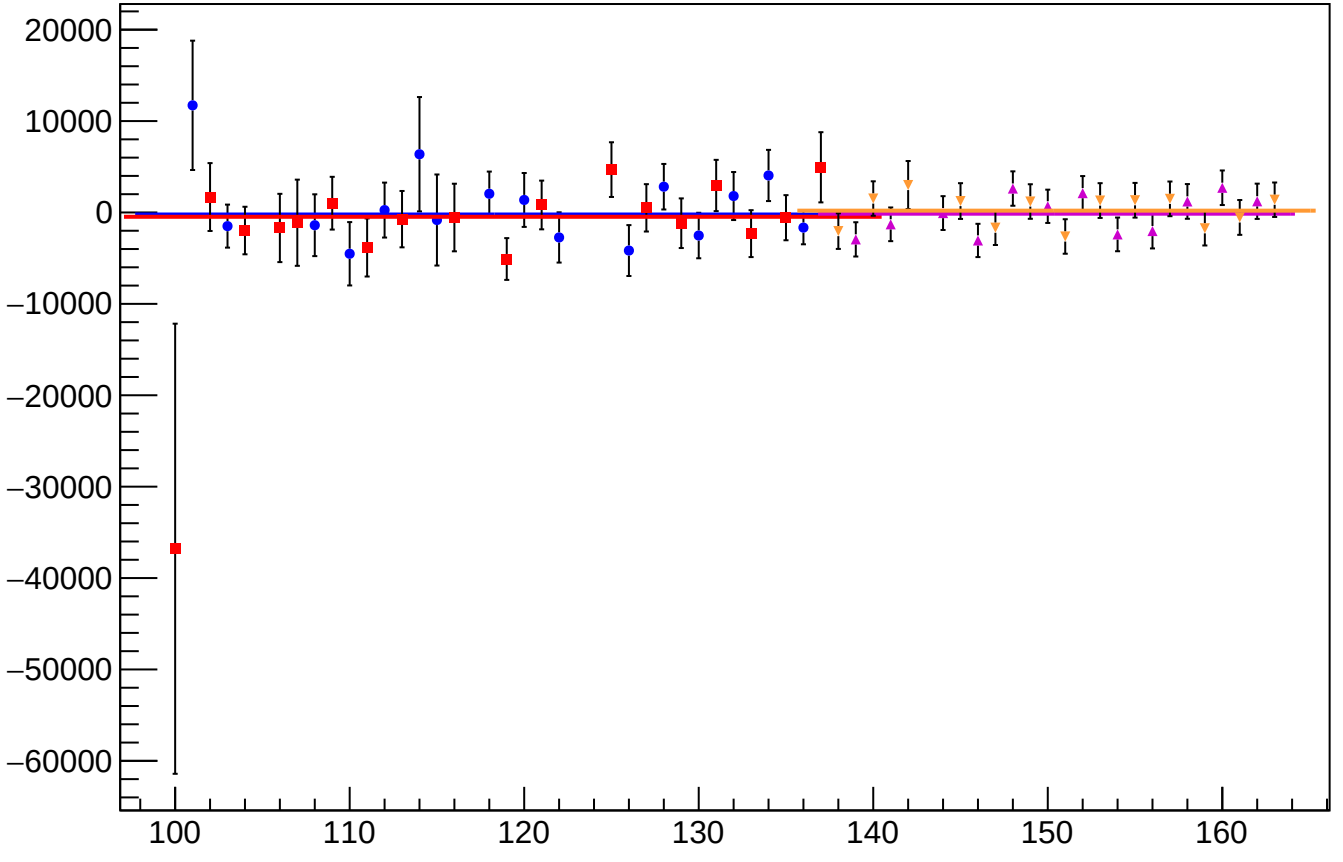
- sign 0.011+/-0.011 χ^2/NDF: 37.4/29


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
160
Right In: 42.163+/-0.013 χ²/NDF: 1454592.8/15
Left Out: 37.178+/-0.009 χ²/NDF:266007.8/12
Right Out: 41.692+/-0.013 χ²/NDF: 1441185.4/17
Left In: 39.019+/-0.009 χ²/NDF:262501.2/11
+ sign 38.804+/-0.007 χ²/NDF: 1821076.1/28
All: 39.342+/-0.005 χ²/NDF: 3563266.4/58
- sign 39.916+/-0.008 χ²/NDF: 1731167.0/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:11.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 28.8/17
Left In: 0.000+/-0.000 χ²/NDF:7.7/11
+ sign 0.000+/-0.000 χ²/NDF: 21.7/28
All: 0.000+/-0.000 χ²/NDF: 58.7/58
- sign 0.000+/-0.000 χ²/NDF: 36.8/29


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:535425.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:642468.7/11
+ sign 0.000+/-0.000 χ²/NDF: 4668428.3/28
All: 0.000+/-0.000 χ²/NDF: 10204920.2/58
- sign 0.000+/-0.000 χ²/NDF: 5519346.3/29

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 197.965+/-537.468 χ^2/NDF:9.5/12

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

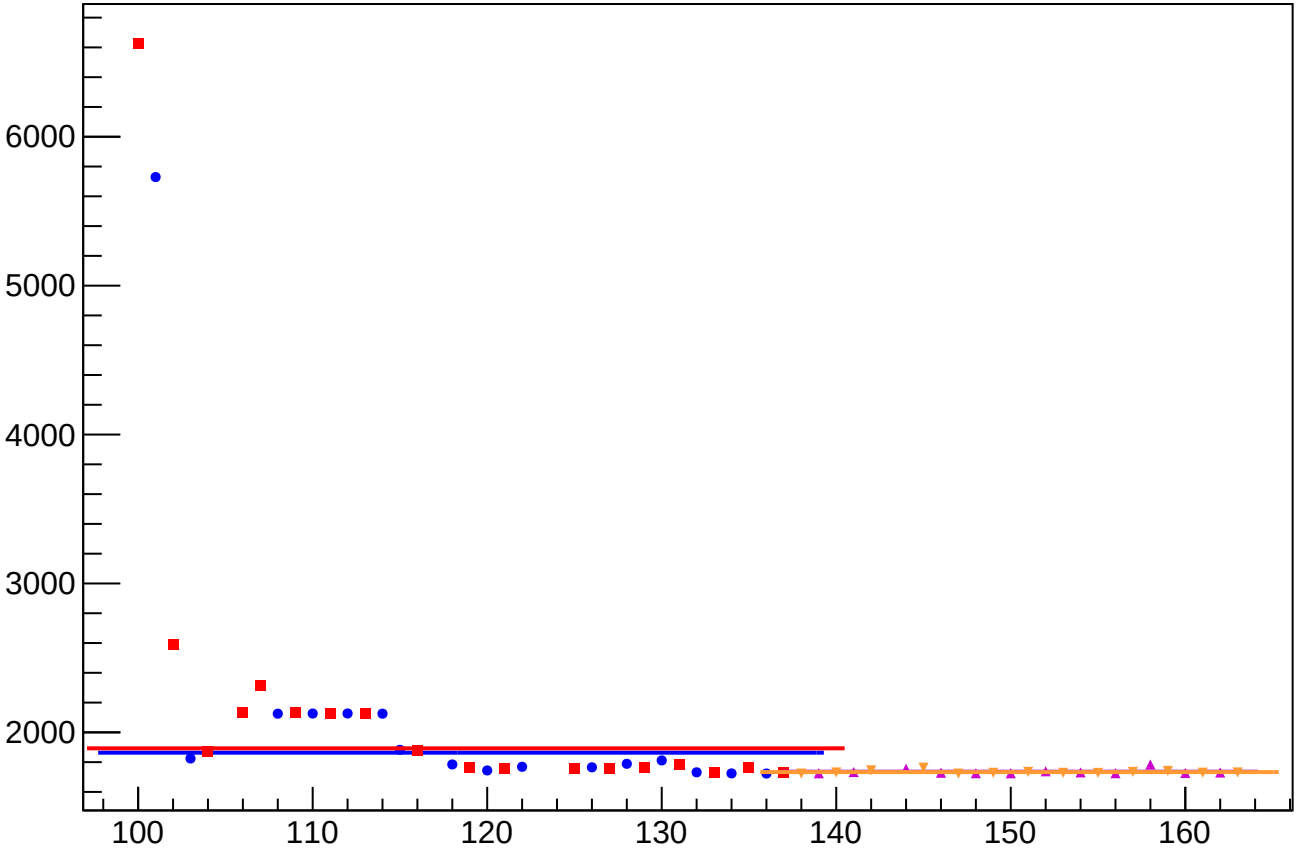
Left In: -133.822+/-539.244 χ^2/NDF:14.8/11

+ sign 44.385+/-428.344 χ^2/NDF: 25.5/28

All: -105.990+/-303.383 χ^2/NDF: 56.6/58

- sign -257.358+/-429.755 χ^2/NDF: 30.8/29

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

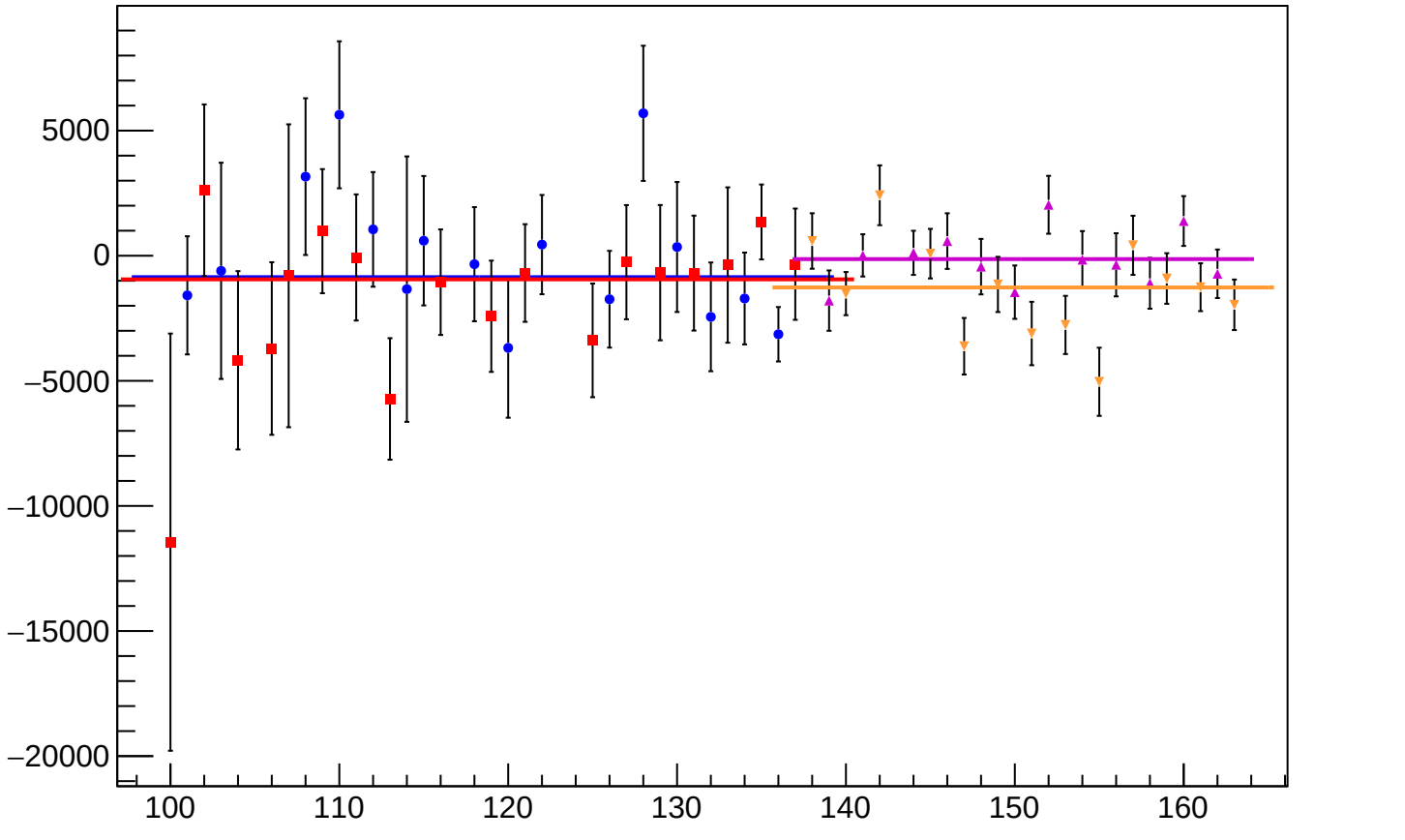
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.4/28

All: 1786.979+/-0.215 χ^2/NDF: 1034326.1/58

- sign 1793.184+/-0.304 χ^2/NDF: 315224.6/29



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1268.776+/-299.522 χ^2/NDF:32.6/12

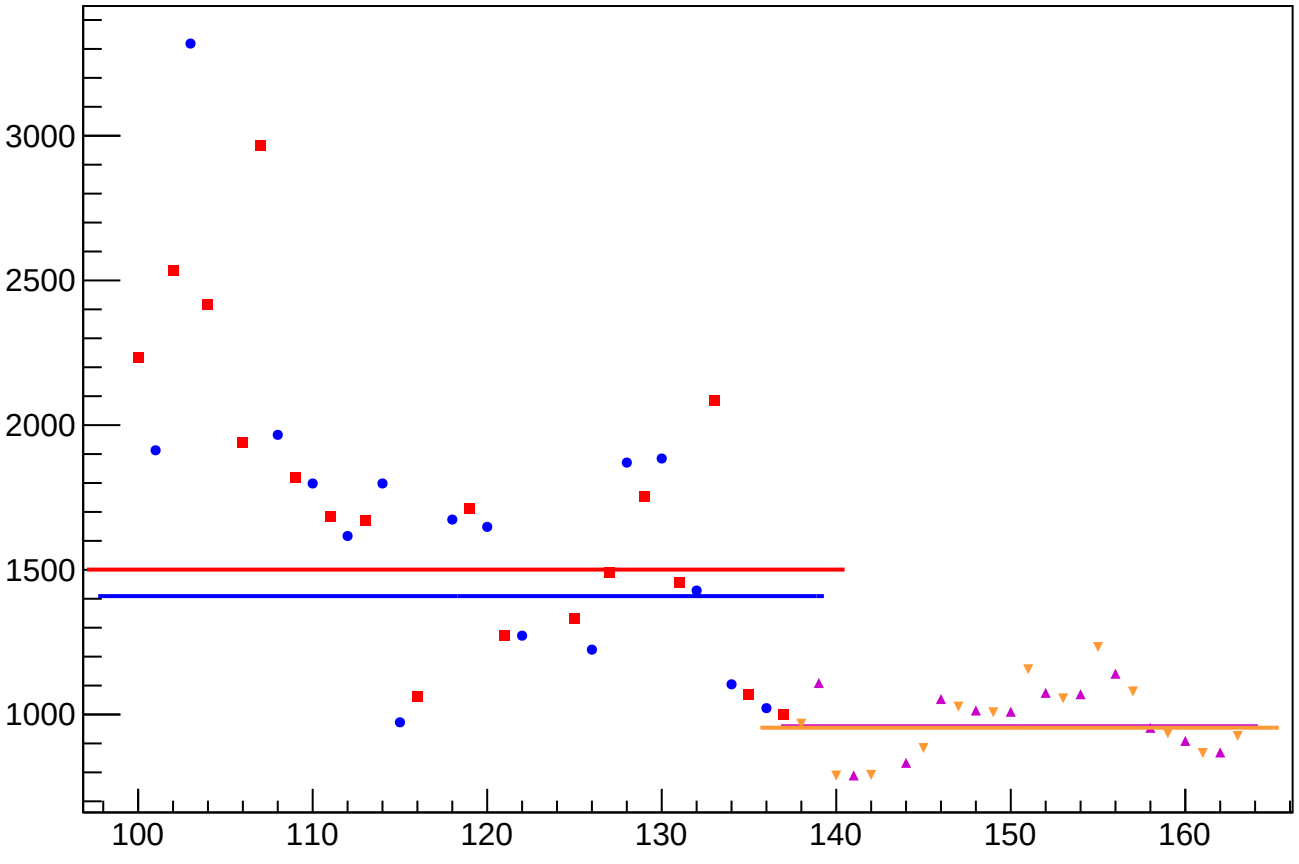
Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: -134.587+/-300.757 χ^2/NDF:11.2/11

+ sign -1174.600+/-263.022 χ^2/NDF: 53.7/28

All: -746.660+/-187.506 χ^2/NDF: 84.7/58

- sign -304.425+/-267.379 χ^2/NDF: 25.6/29



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 954.457+/-0.212 χ^2/NDF:325265.0/12

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

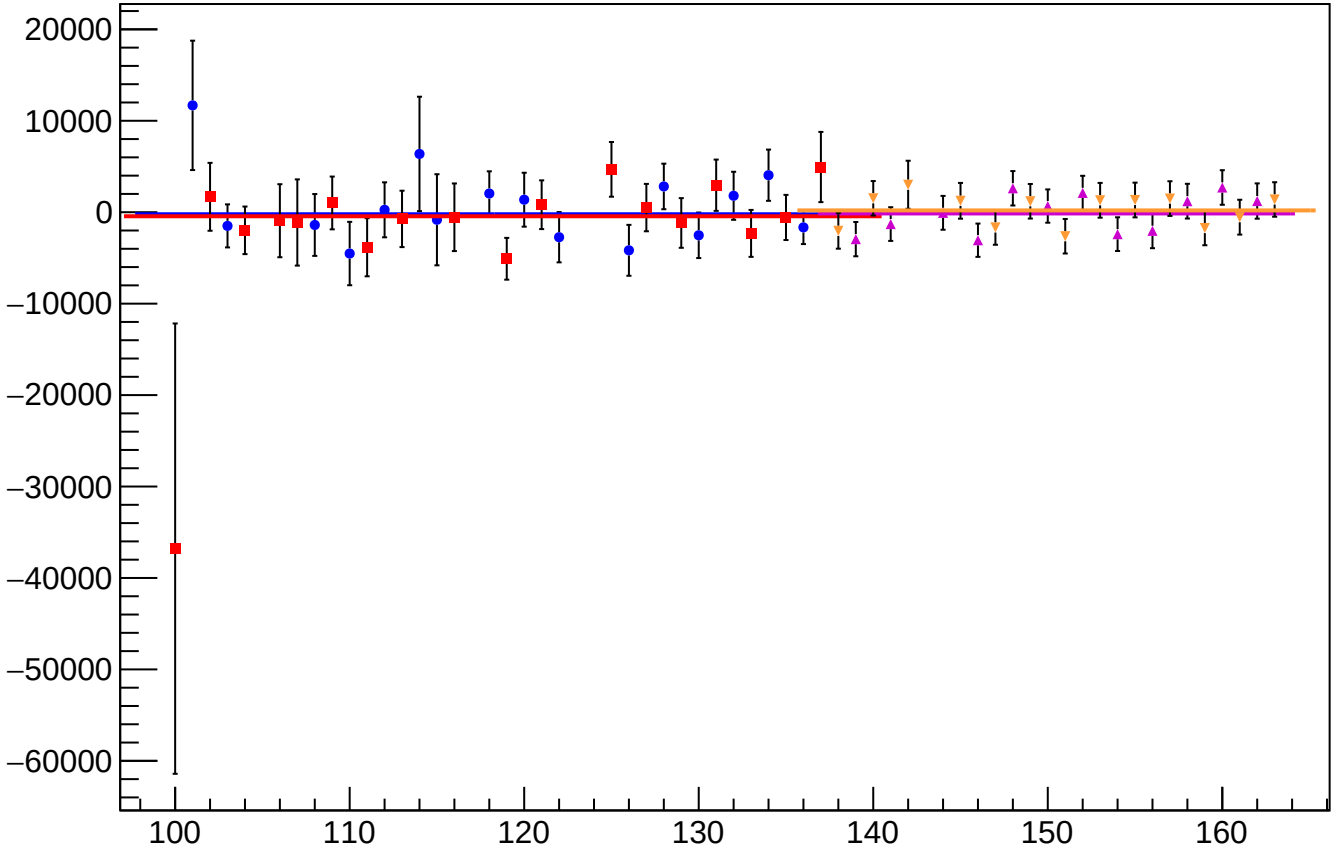
Left In: 959.322+/-0.213 χ^2/NDF:279135.8/11

+ sign 1058.510+/-0.186 χ^2/NDF: 2547588.5/28

All: 1065.557+/-0.133 χ^2/NDF: 5219476.7/58

- sign 1072.839+/-0.189 χ^2/NDF: 2668969.4/29

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

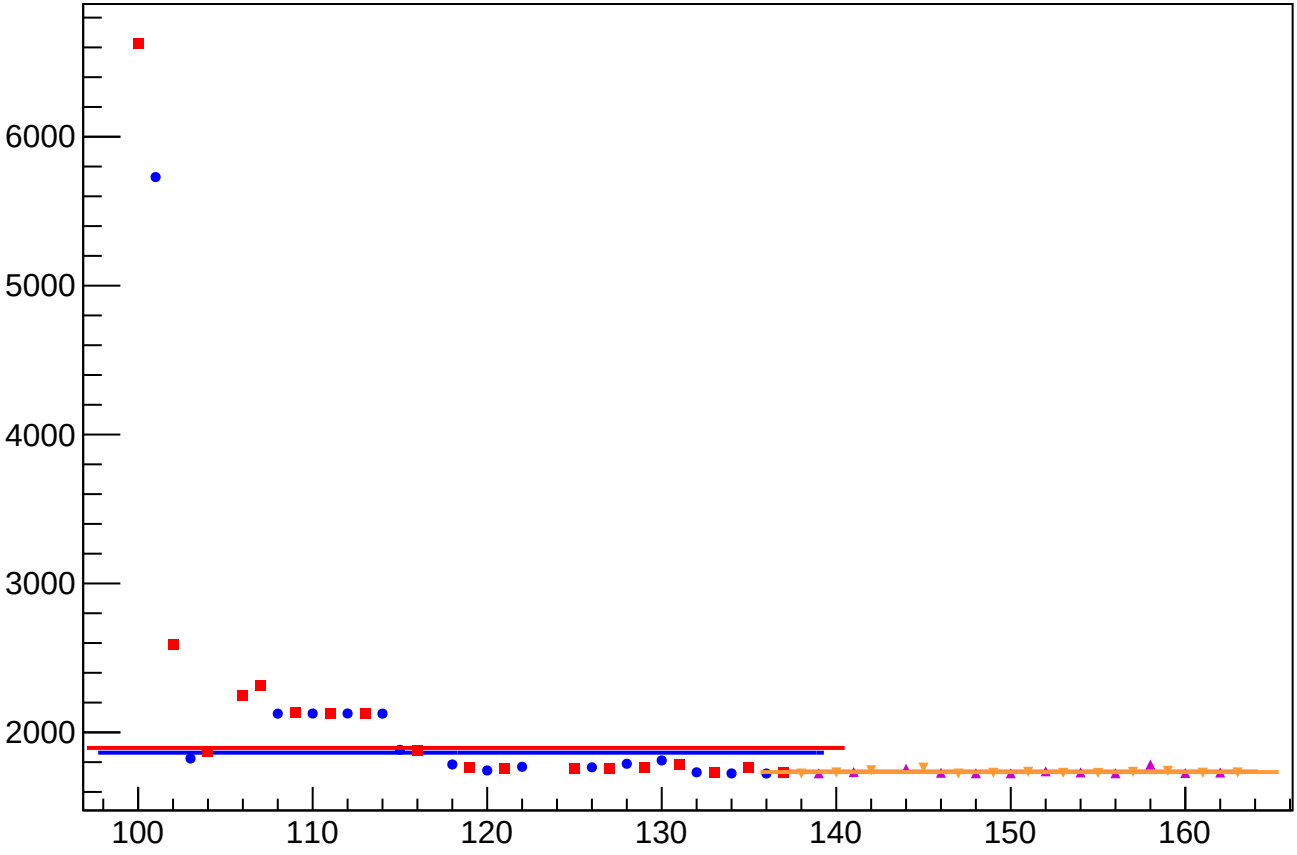
Left In: -133.851+/-539.244 χ^2/NDF:14.8/11

+ sign 44.173+/-428.344 χ^2/NDF: 25.5/28

All: -100.479+/-303.508 χ^2/NDF: 56.4/58

- sign -246.327+/-430.112 χ^2/NDF: 30.7/29

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

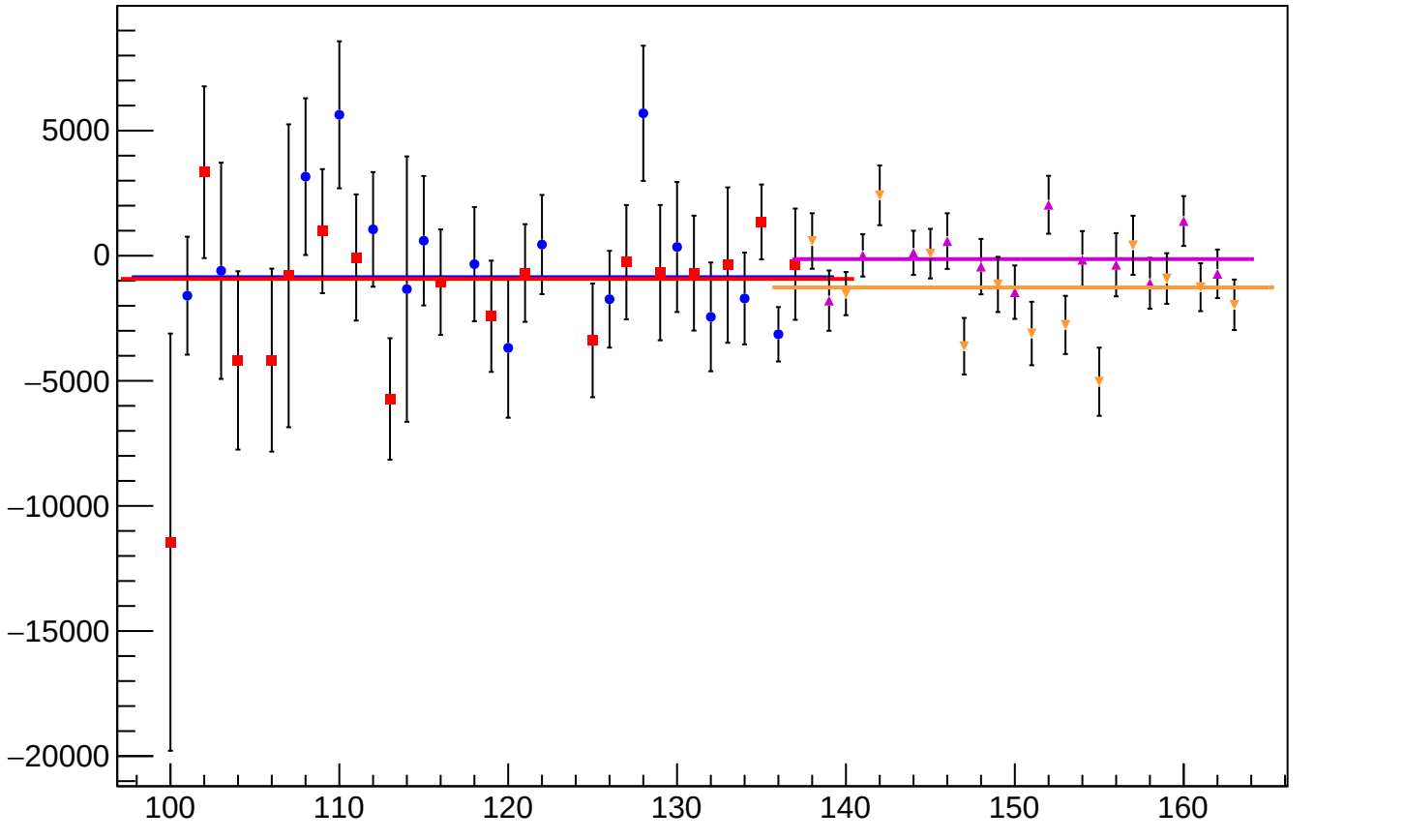
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.2/28

All: 1787.367+/-0.215 χ^2/NDF: 1043994.1/58

- sign 1793.974+/-0.304 χ^2/NDF: 324784.0/29



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1268.726+/-299.521 χ^2/NDF:32.6/12

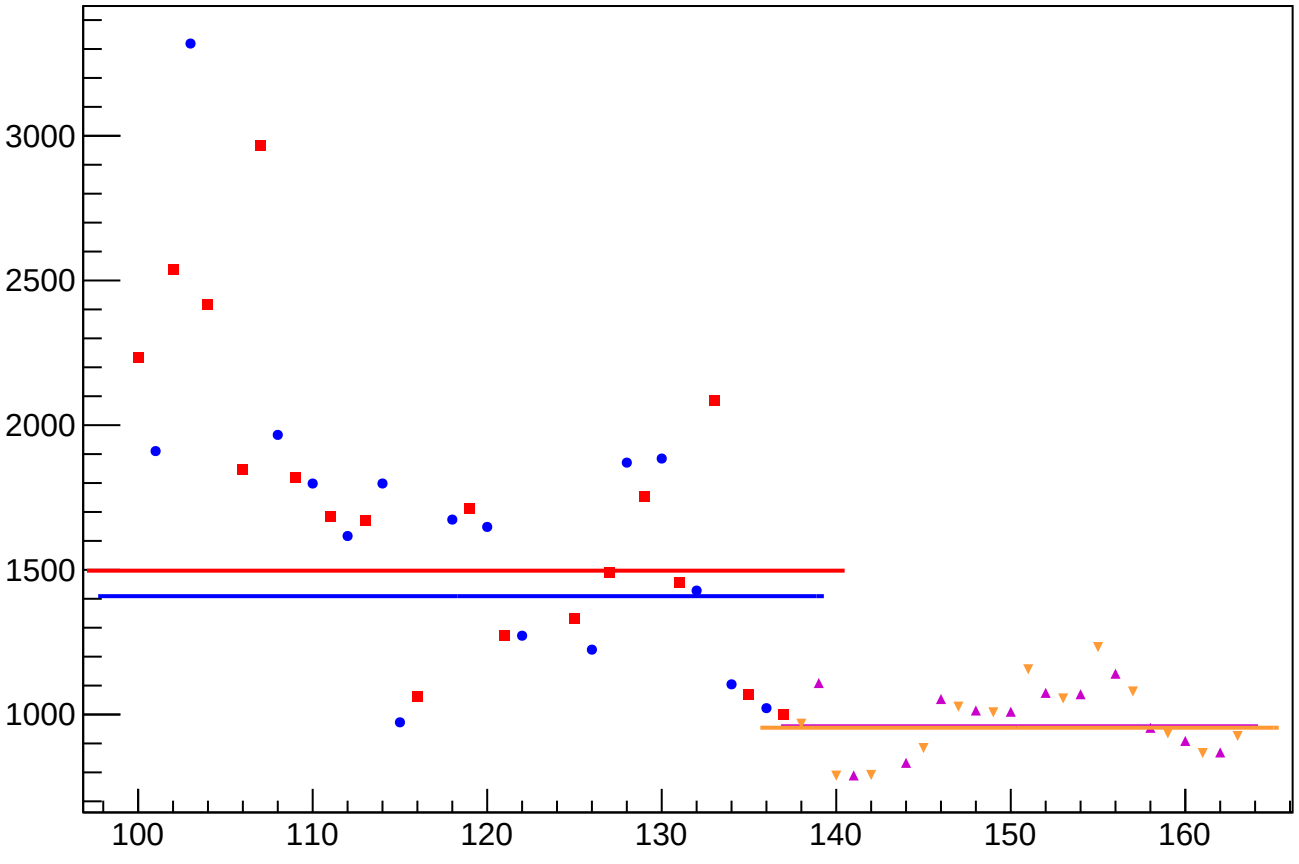
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -134.697+/-300.756 χ^2/NDF:11.2/11

\+ sign -1174.738+/-263.017 χ^2/NDF: 53.7/28

All: -744.914+/-187.535 χ^2/NDF: 85.3/58

\- sign -300.424+/-267.467 χ^2/NDF: 26.2/29



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

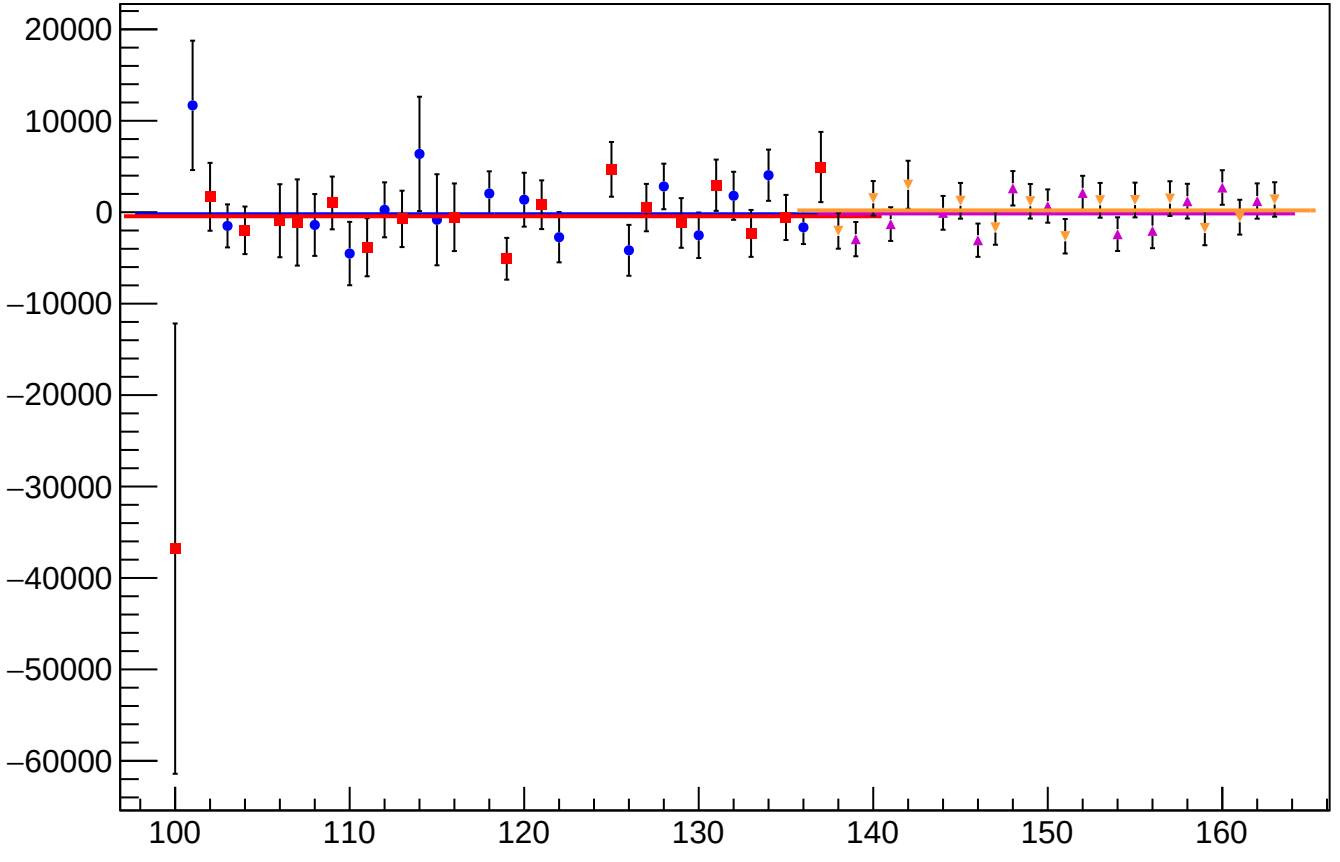
Left In: 959.318+/-0.213 χ^2/NDF:279149.9/11

+ sign 1058.504+/-0.186 χ^2/NDF: 2546693.7/28

All: 1065.035+/-0.133 χ^2/NDF: 5183961.8/58

- sign 1071.789+/-0.189 χ^2/NDF: 2634759.5/29

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: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

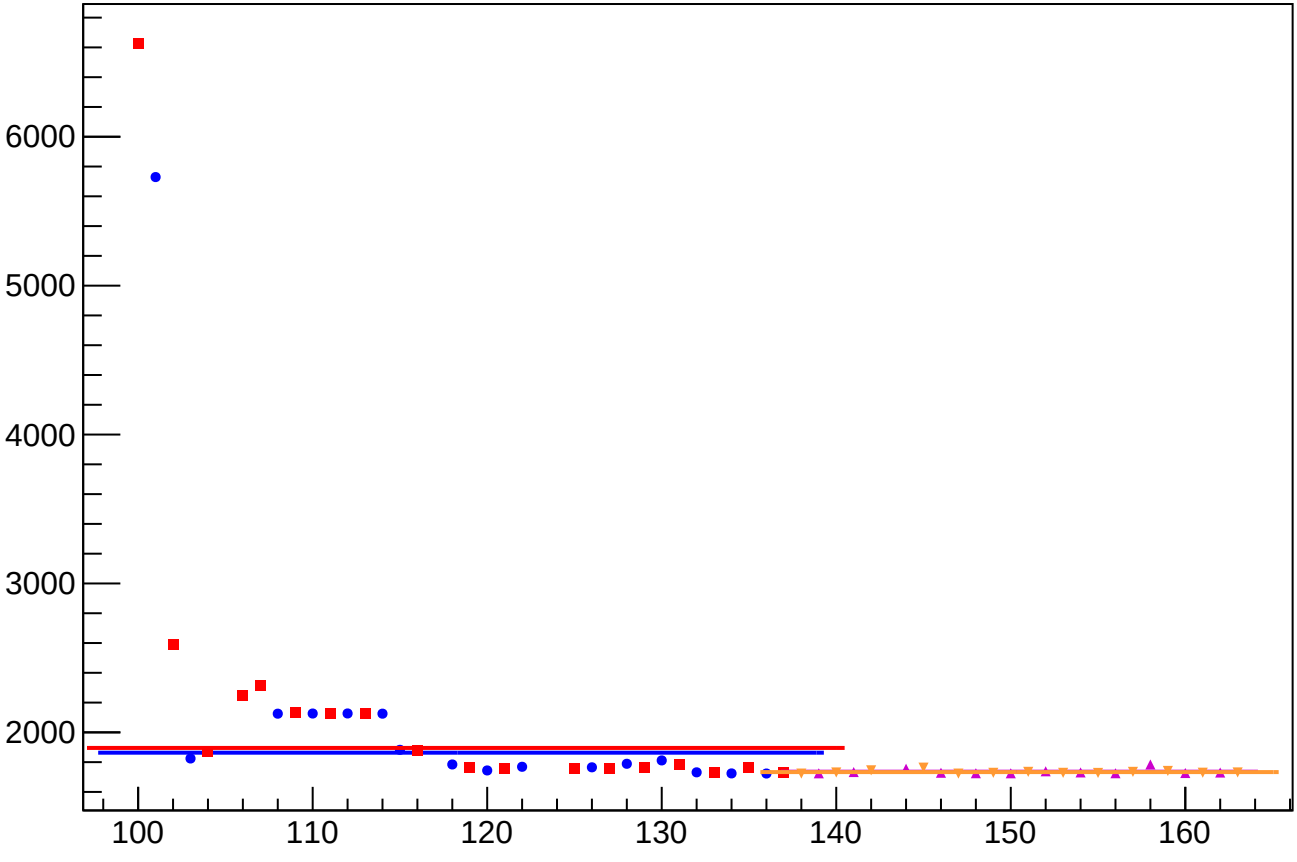
Left In: -133.851+/-539.244 χ^2/NDF:14.8/11

+ sign 44.173+/-428.344 χ^2/NDF: 25.5/28

All: -100.479+/-303.508 χ^2/NDF: 56.4/58

- sign -246.327+/-430.112 χ^2/NDF: 30.7/29

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: 1733.273+/-0.380 χ^2/NDF:713.2/12

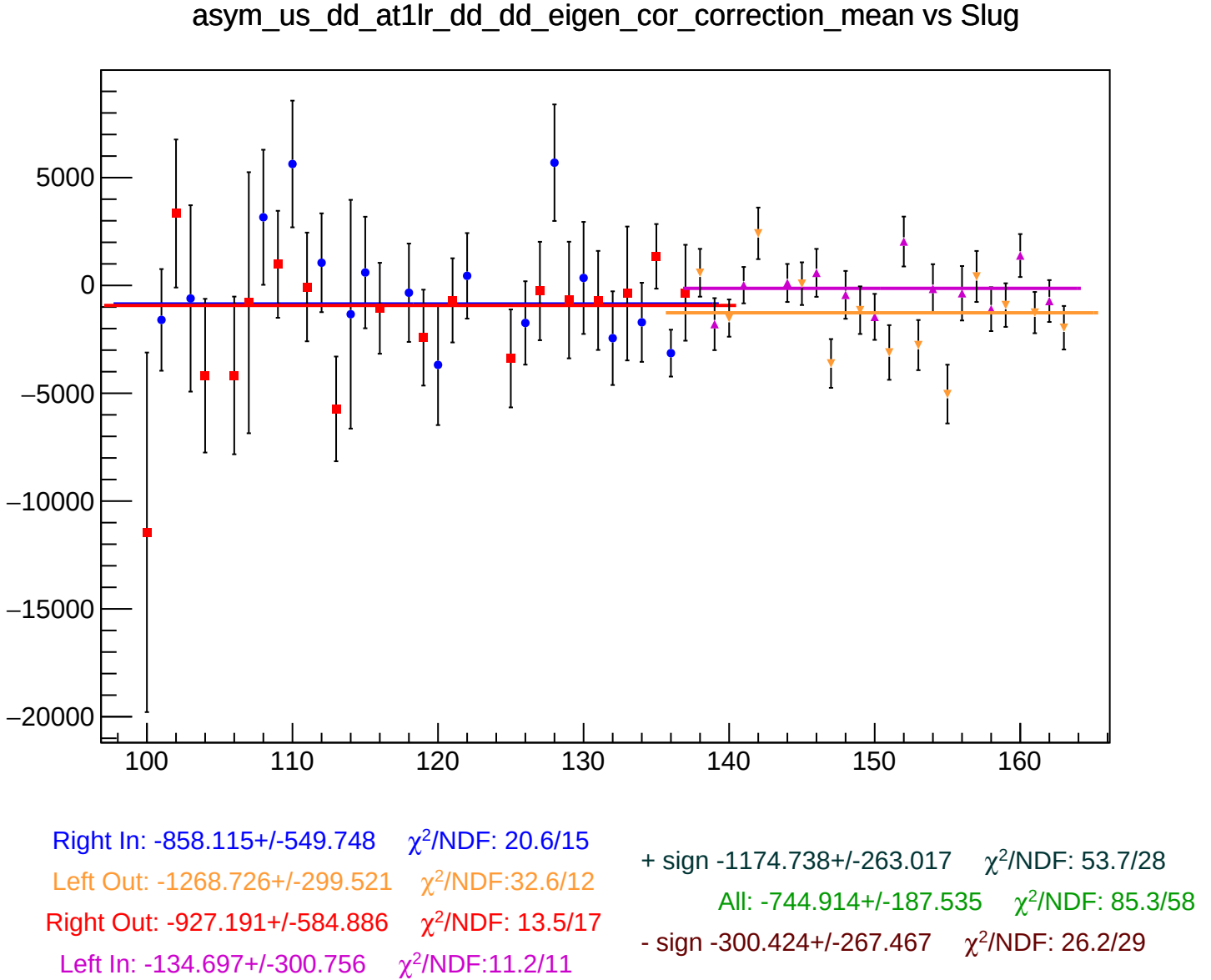
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

+ sign 1780.815+/-0.303 χ^2/NDF: 718270.2/28

All: 1787.367+/-0.215 χ^2/NDF: 1043994.1/58

- sign 1793.974+/-0.304 χ^2/NDF: 324784.0/29



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1268.726+/-299.521 χ^2/NDF:32.6/12

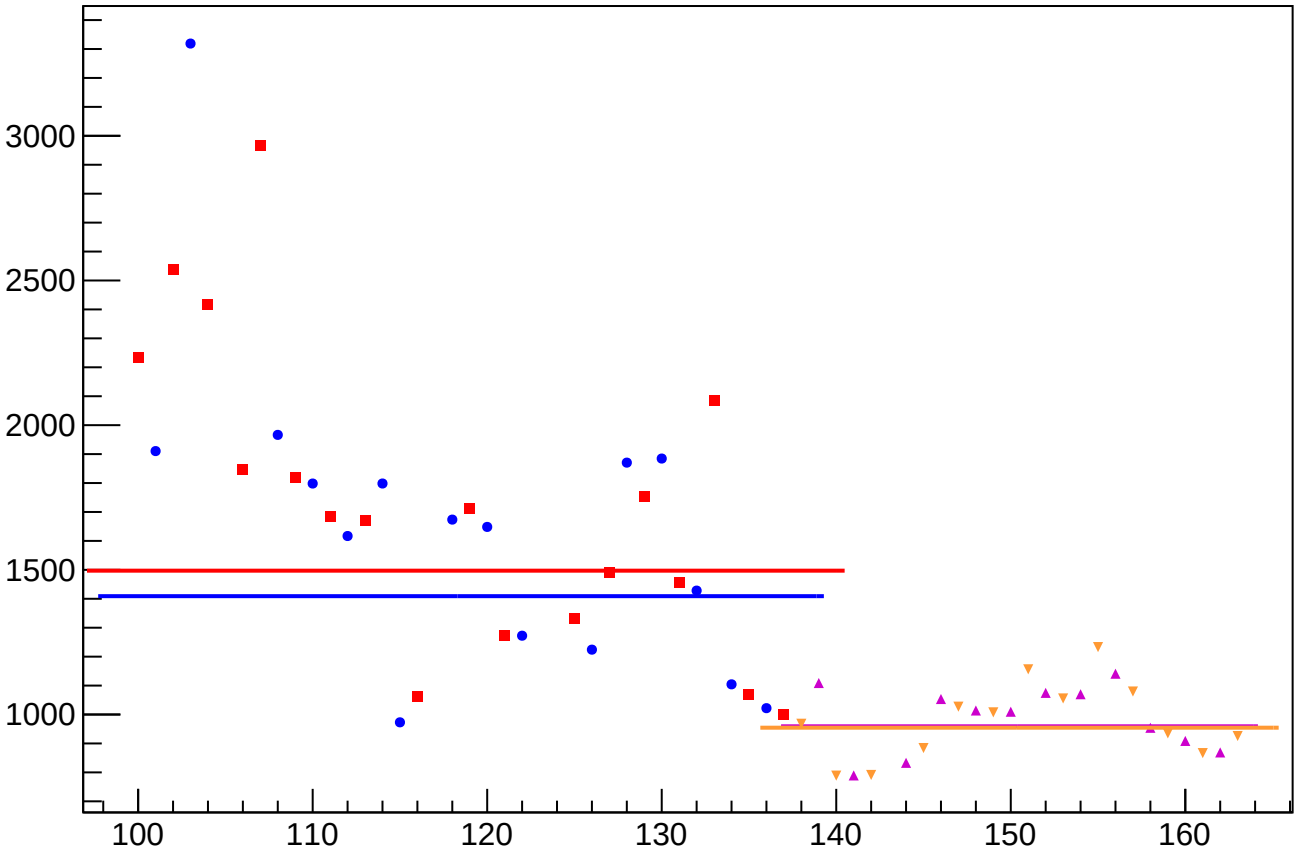
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: -134.697+/-300.756 χ^2/NDF:11.2/11

+ sign -1174.738+/-263.017 χ^2/NDF: 53.7/28

All: -744.914+/-187.535 χ^2/NDF: 85.3/58

- sign -300.424+/-267.467 χ^2/NDF: 26.2/29



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

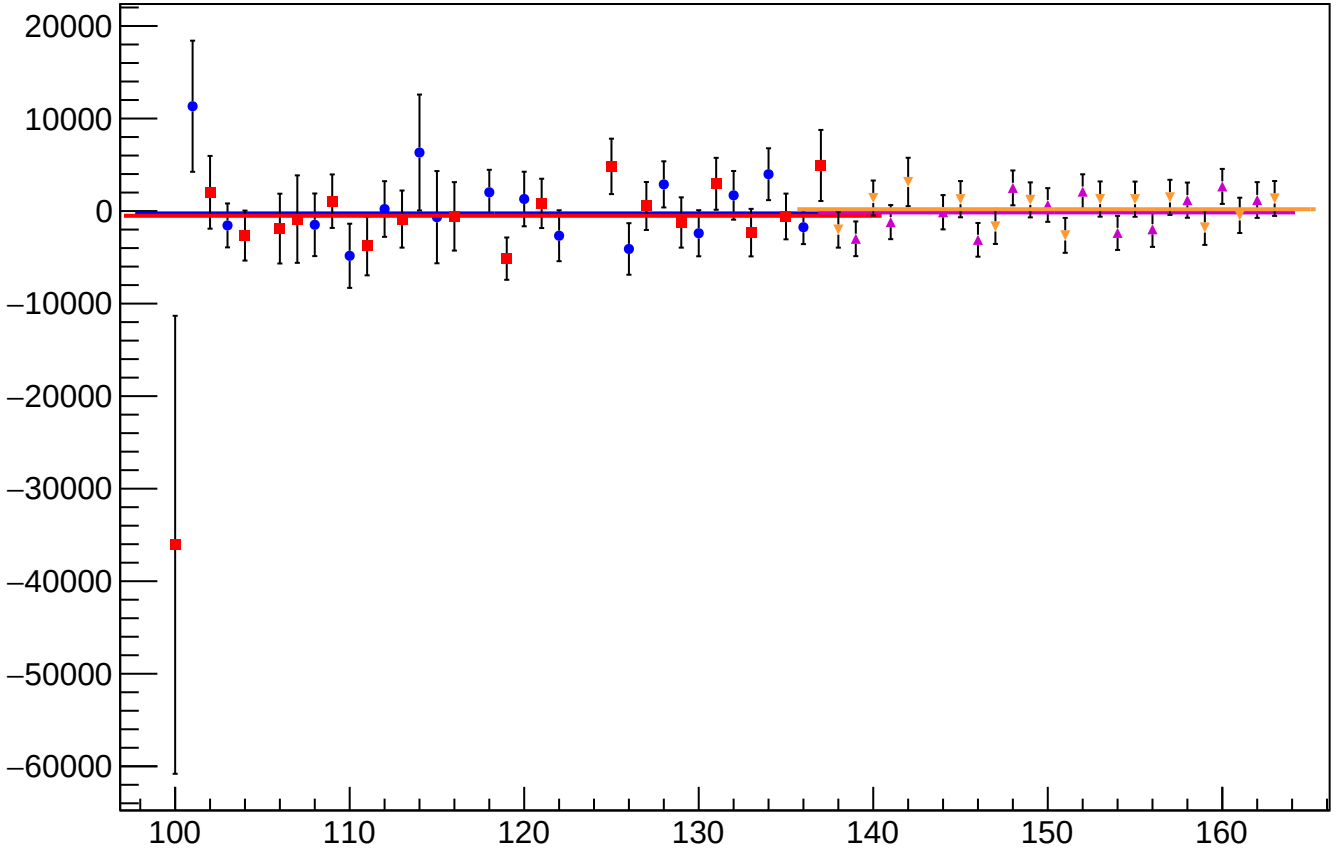
Left In: 959.318+/-0.213 χ^2/NDF:279149.9/11

+ sign 1058.504+/-0.186 χ^2/NDF: 2546693.7/28

All: 1065.035+/-0.133 χ^2/NDF: 5183961.8/58

- sign 1071.789+/-0.189 χ^2/NDF: 2634759.5/29

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

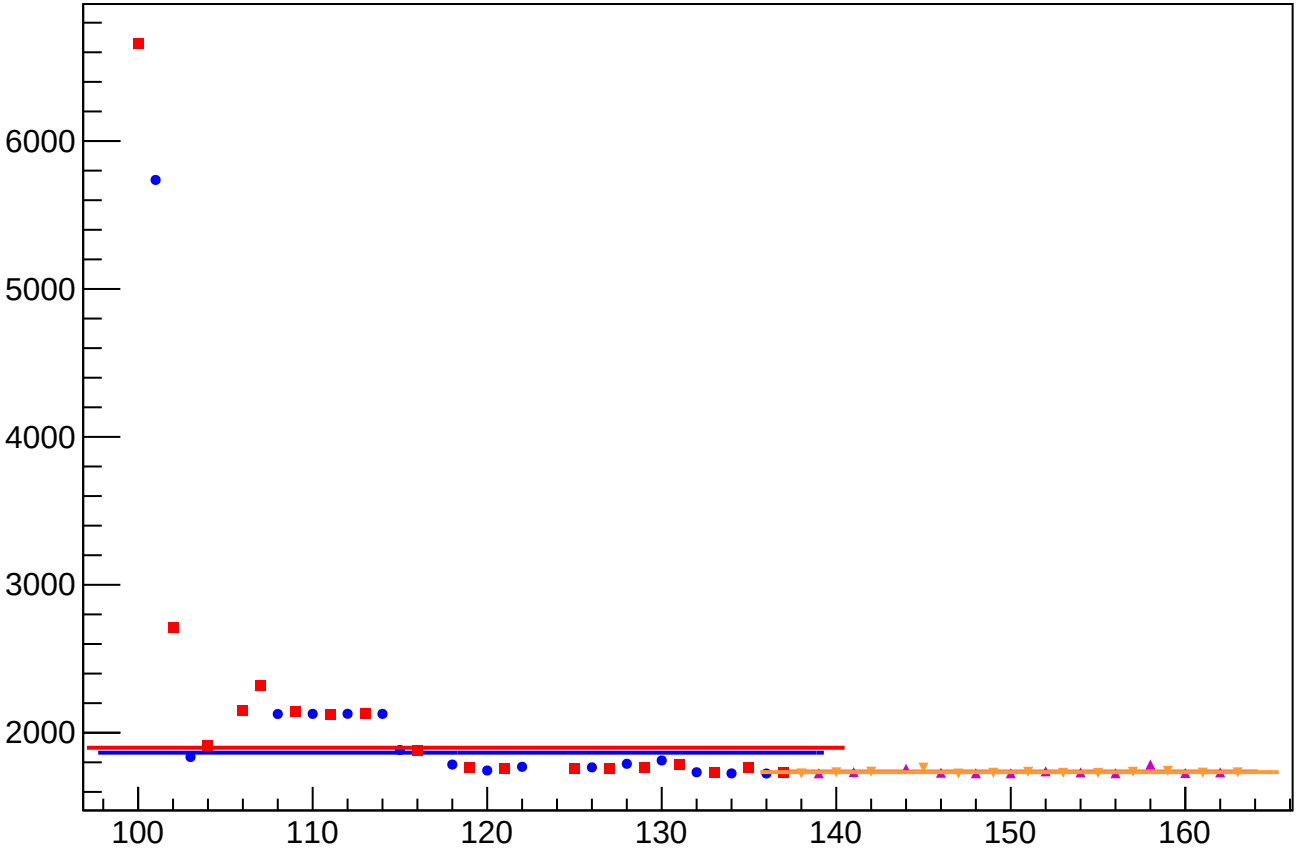
Left In: -148.561+/-539.521 χ^2/NDF:14.4/11

+ sign 34.439+/-428.624 χ^2/NDF: 25.4/28

All: -121.814+/-303.837 χ^2/NDF: 56.6/58

- sign -279.633+/-430.766 χ^2/NDF: 31.0/29

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.859+/-0.380 χ^2/NDF:662.0/12

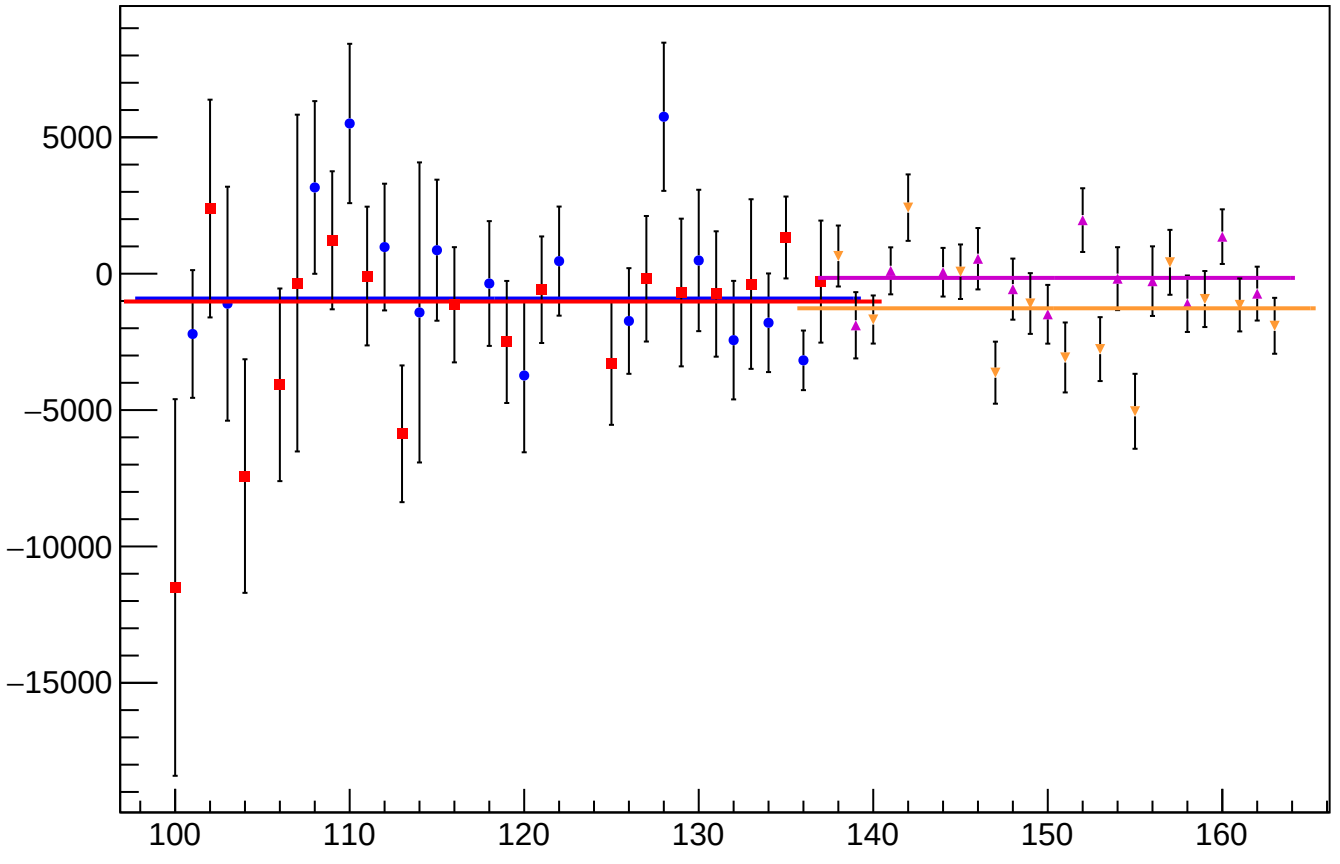
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.817+/-0.381 χ^2/NDF:1891.3/11

+ sign 1781.817+/-0.303 χ^2/NDF: 719309.6/28

All: 1788.609+/-0.215 χ^2/NDF: 1056517.1/58

- sign 1795.468+/-0.305 χ^2/NDF: 336198.2/29



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1268.722+/-303.269 χ^2/NDF:32.2/12

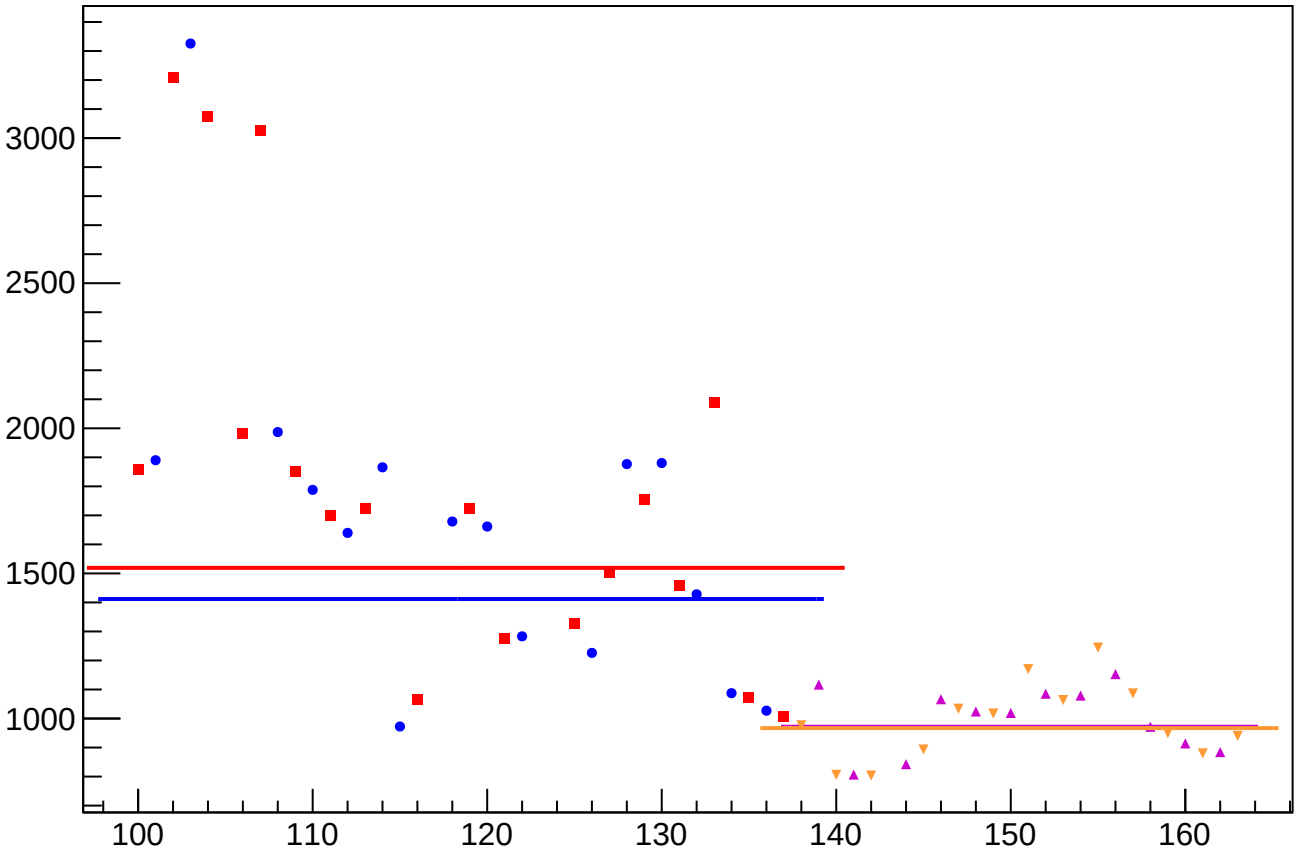
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: -154.175+/-304.499 χ^2/NDF:11.0/11

+ sign -1185.502+/-265.666 χ^2/NDF: 53.5/28

All: -768.559+/-189.623 χ^2/NDF: 86.1/58

- sign -335.535+/-270.741 χ^2/NDF: 27.6/29



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 966.998+/-0.214 χ^2/NDF:308132.6/12

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

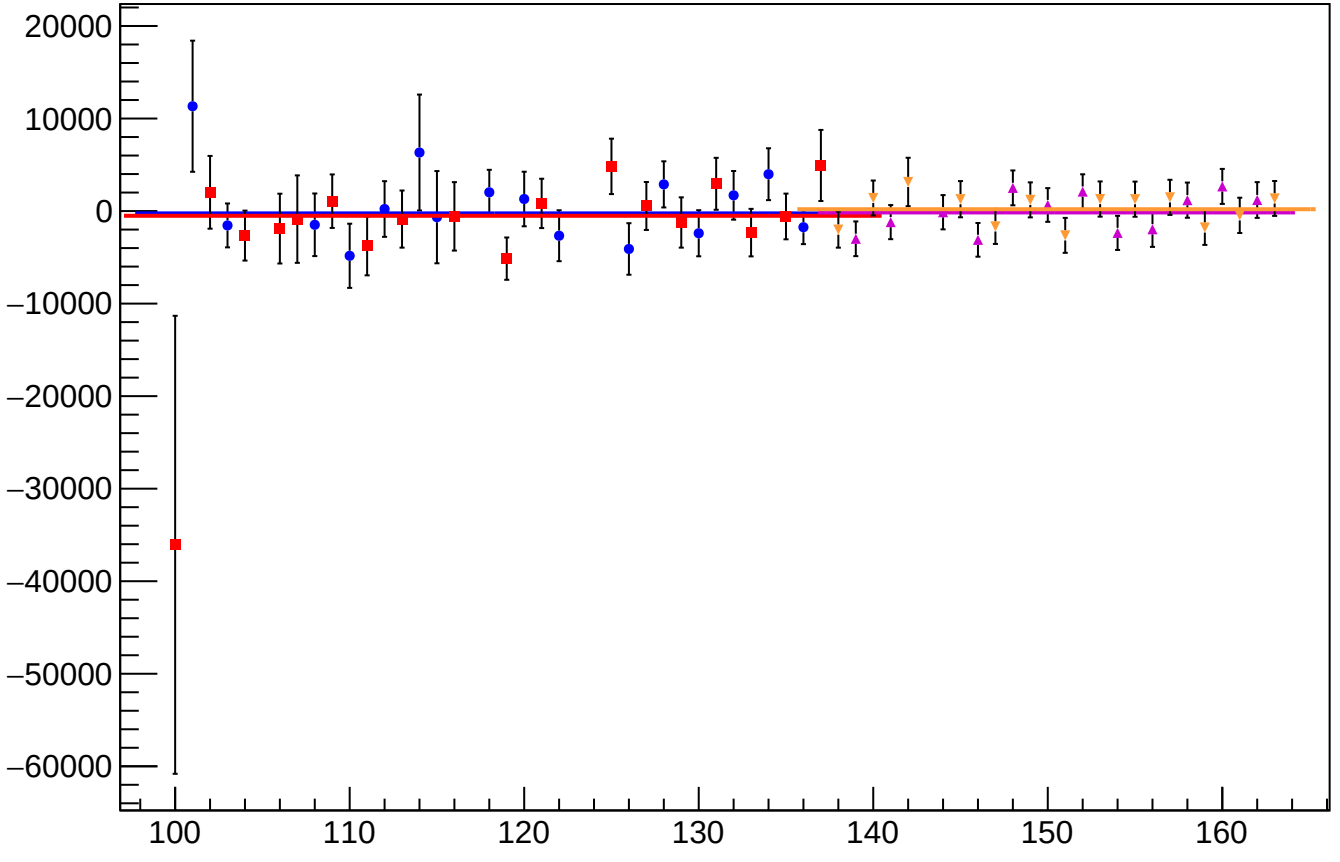
Left In: 971.806+/-0.215 χ^2/NDF:264935.3/11

+ sign 1070.451+/-0.188 χ^2/NDF: 2486415.6/28

All: 1078.310+/-0.134 χ^2/NDF: 5469247.3/58

- sign 1086.472+/-0.191 χ^2/NDF: 2979263.9/29

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: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

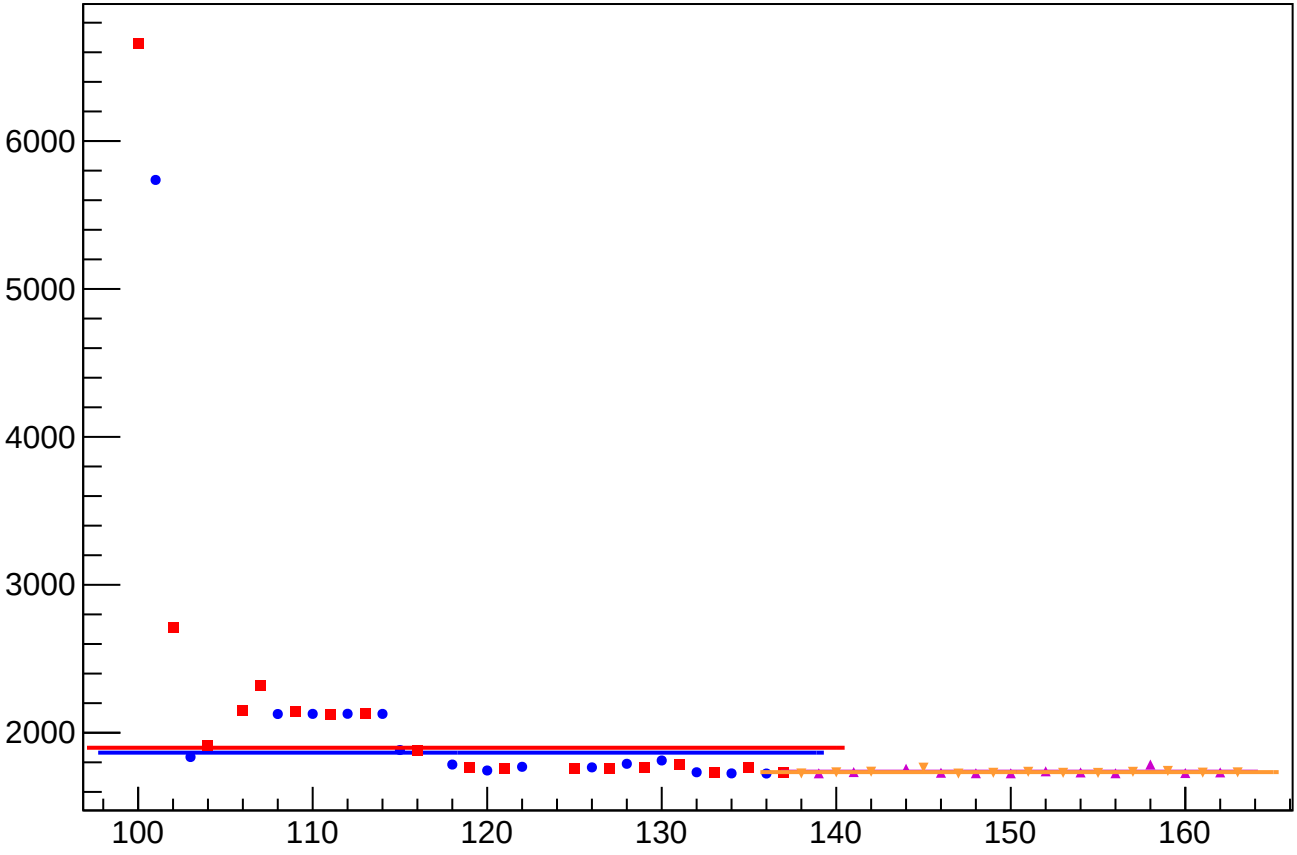
Left In: -148.562+/-539.521 χ^2/NDF:14.4/11

+ sign 34.439+/-428.624 χ^2/NDF: 25.4/28

All: -121.815+/-303.837 χ^2/NDF: 56.6/58

- sign -279.633+/-430.766 χ^2/NDF: 31.0/29

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: 1733.859+/-0.380 χ^2/NDF:662.0/12

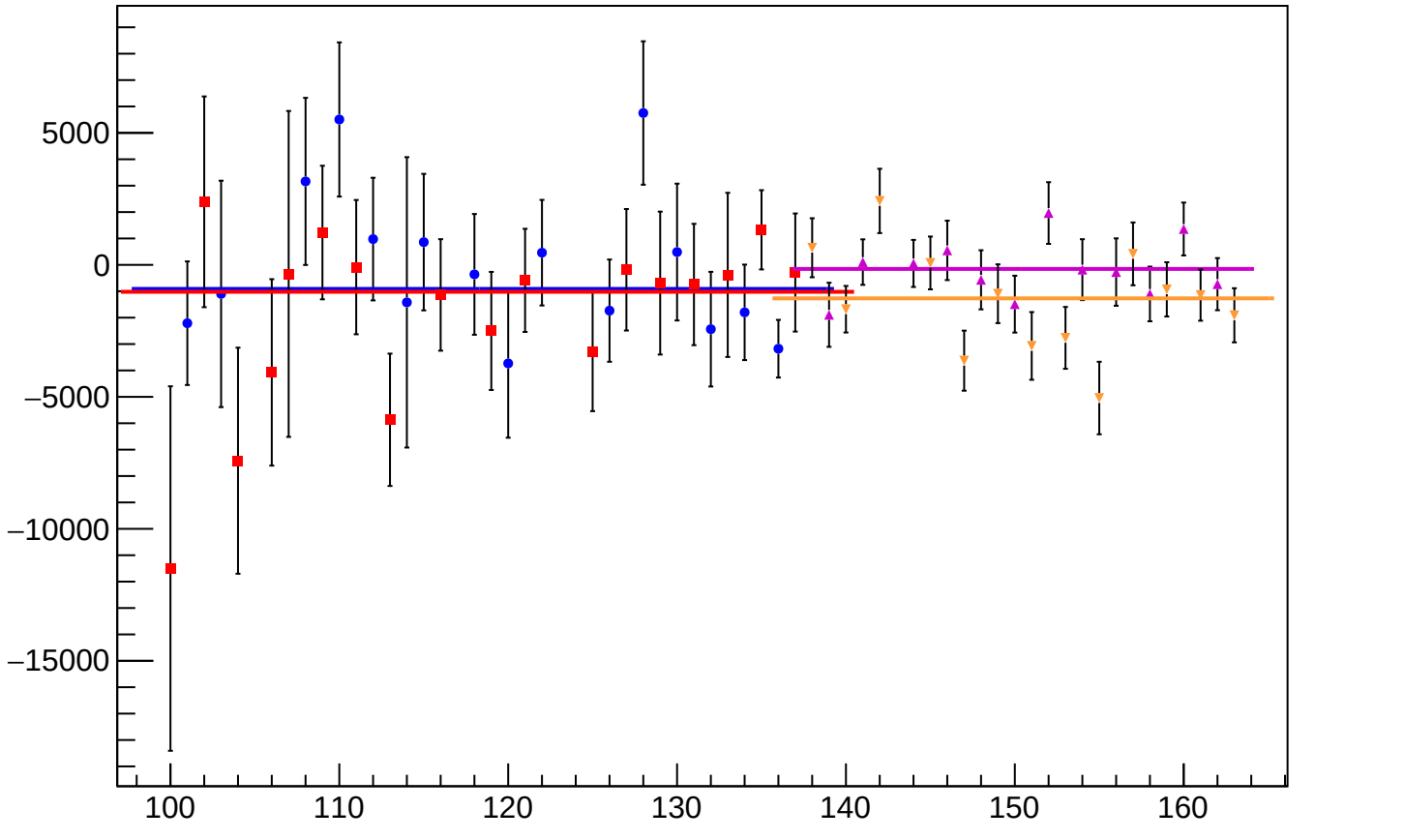
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.817+/-0.381 χ^2/NDF:1891.3/11

+ sign 1781.817+/-0.303 χ^2/NDF: 719309.6/28

All: 1788.609+/-0.215 χ^2/NDF: 1056516.8/58

- sign 1795.468+/-0.305 χ^2/NDF: 336197.9/29



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1268.719+/-303.269 χ^2/NDF:32.2/12

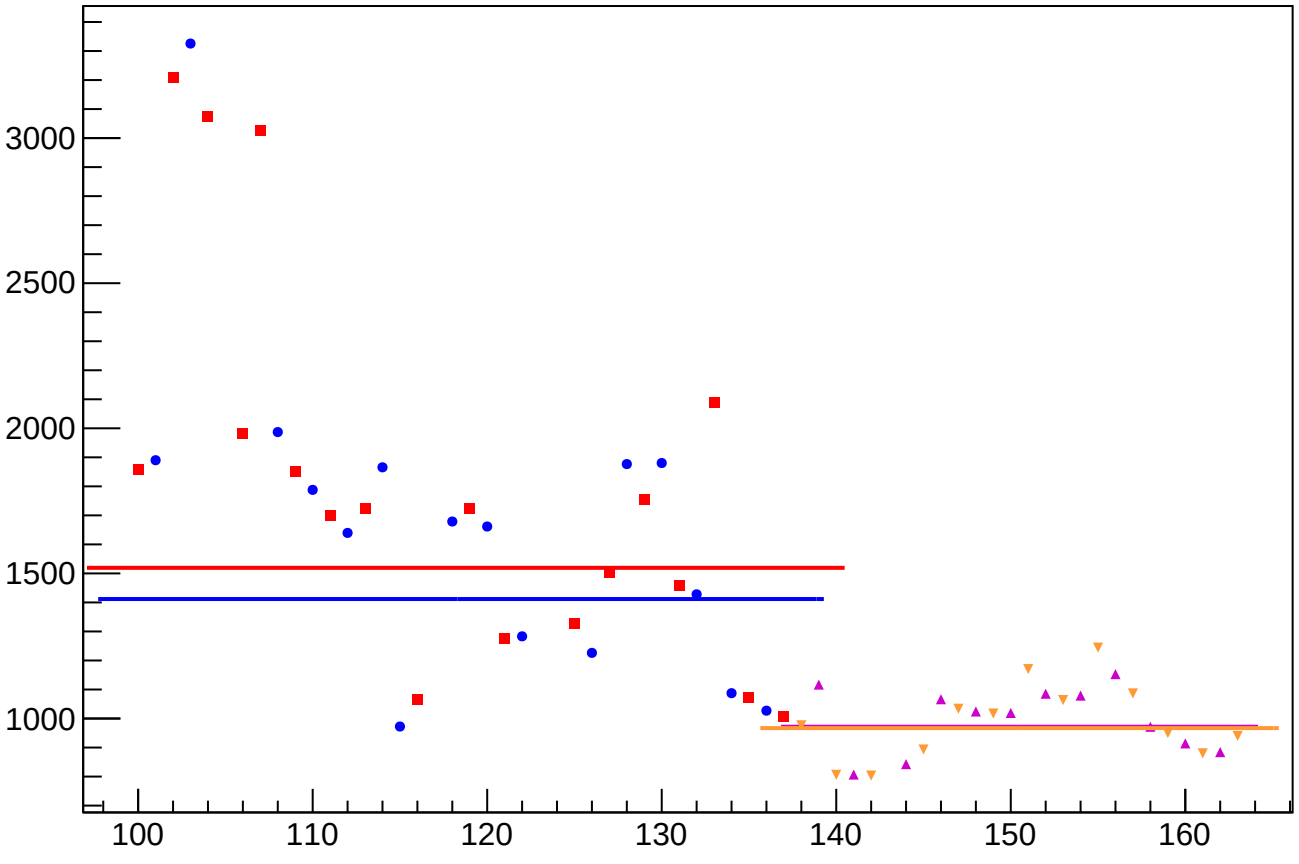
Right Out: -1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: -154.173+/-304.499 χ^2/NDF:11.0/11

+ sign -1185.498+/-265.666 χ^2/NDF: 53.5/28

All: -768.557+/-189.623 χ^2/NDF: 86.1/58

- sign -335.534+/-270.741 χ^2/NDF: 27.6/29



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 966.998+/-0.214 χ^2/NDF:308141.7/12

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

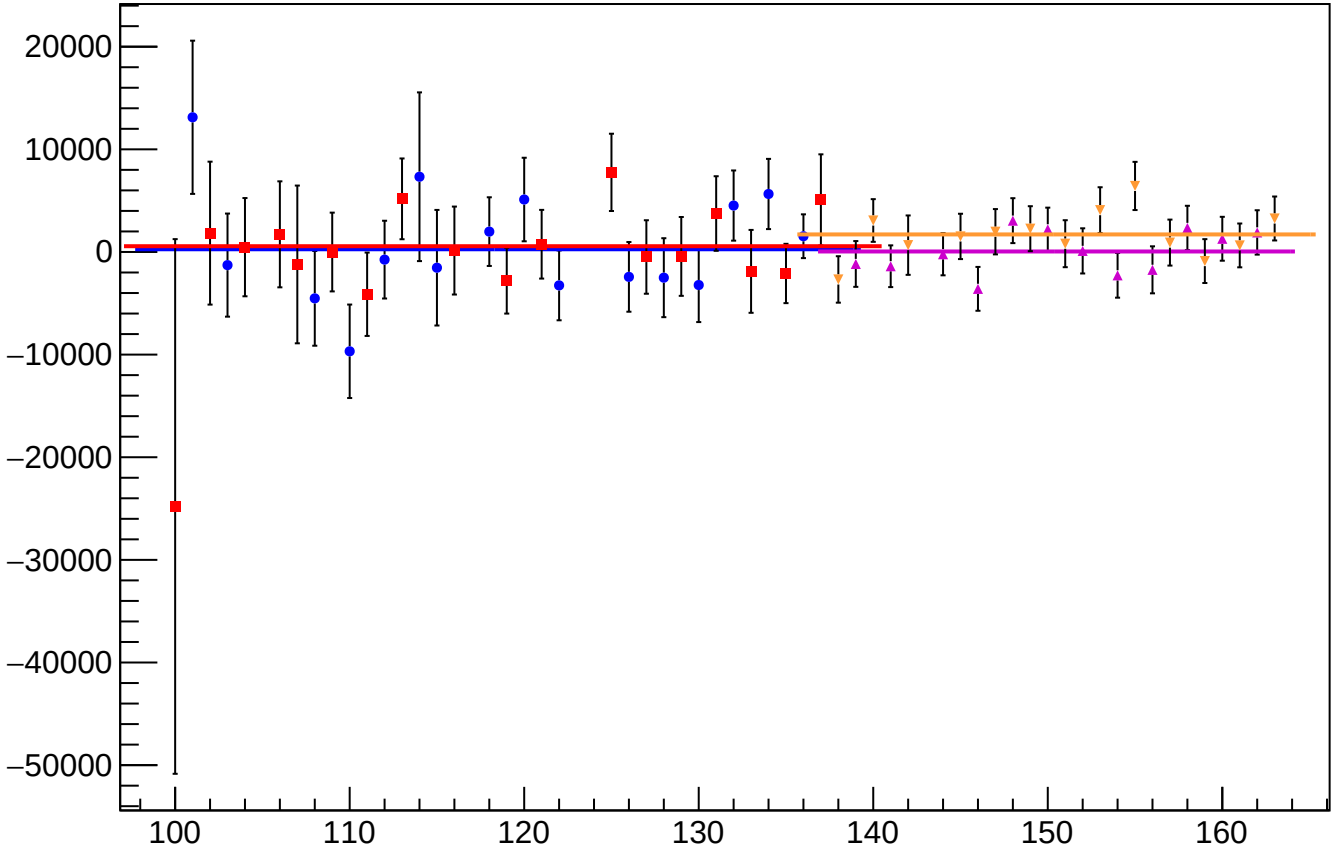
Left In: 971.806+/-0.215 χ^2/NDF:264942.8/11

+ sign 1070.450+/-0.188 χ^2/NDF: 2486415.9/28

All: 1078.310+/-0.134 χ^2/NDF: 5469249.3/58

- sign 1086.472+/-0.191 χ^2/NDF: 2979265.3/29

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1709.146+/-620.904 χ^2/NDF:12.1/12

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

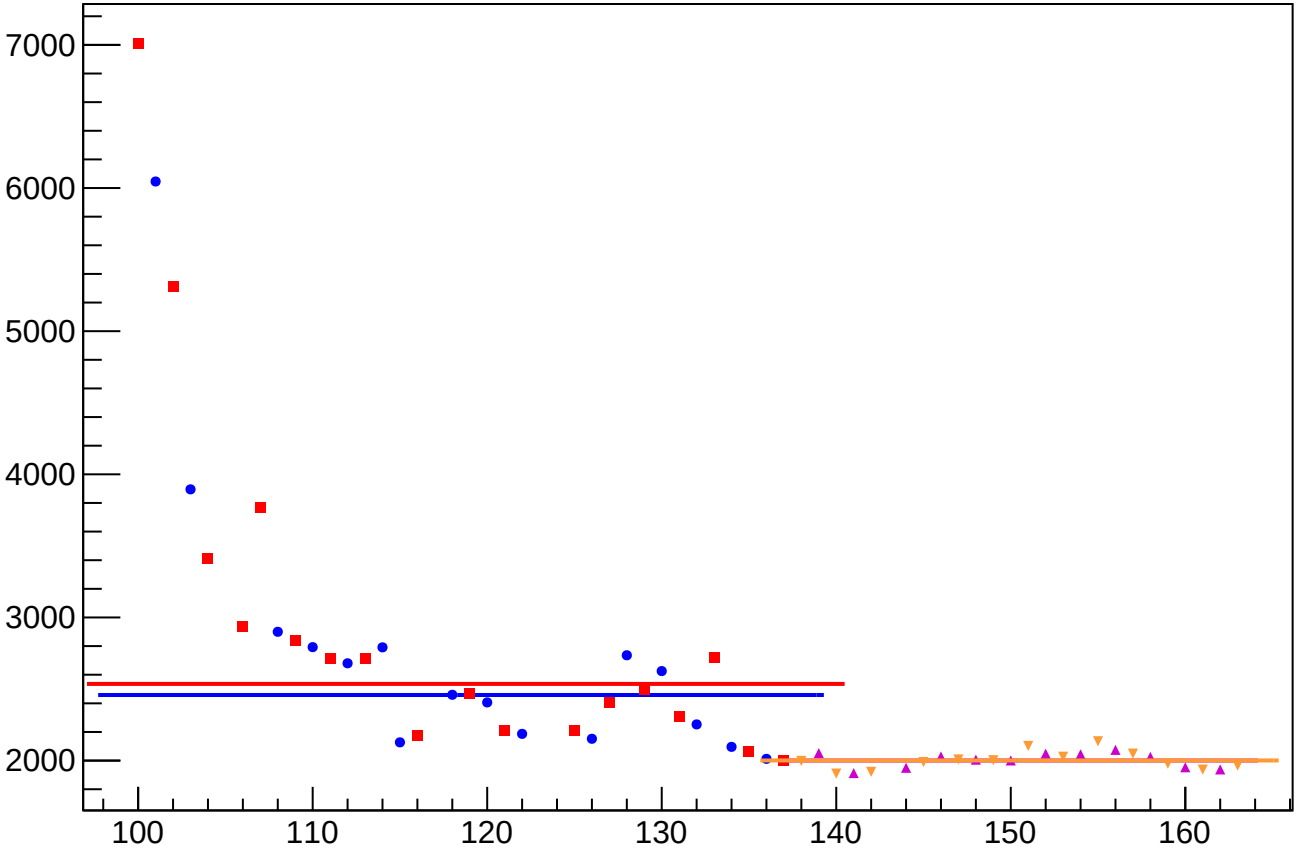
Left In: 48.105+/-621.711 χ^2/NDF:10.6/11

+ sign 1271.554+/-518.415 χ^2/NDF: 32.8/28

All: 739.285+/-367.944 χ^2/NDF: 57.5/58

- sign 198.991+/-522.308 χ^2/NDF: 22.5/29

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2000.968+/-0.439 χ^2/NDF:19665.8/12

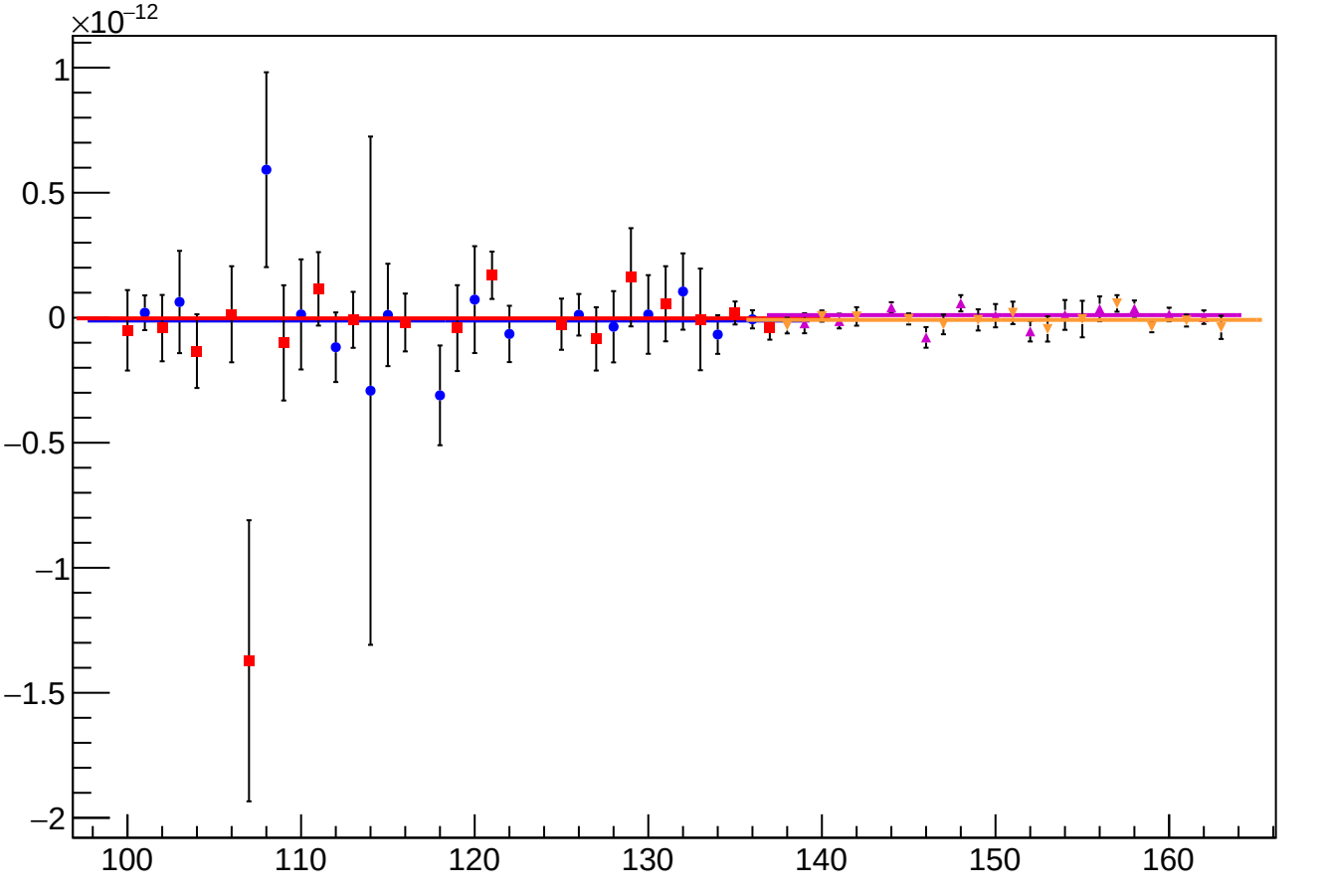
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2000.557+/-0.440 χ^2/NDF:13156.1/11

+ sign 2139.495+/-0.367 χ^2/NDF: 1181237.6/28

All: 2148.691+/-0.260 χ^2/NDF: 2305094.0/58

- sign 2158.025+/-0.369 χ^2/NDF: 1122588.3/29



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/12

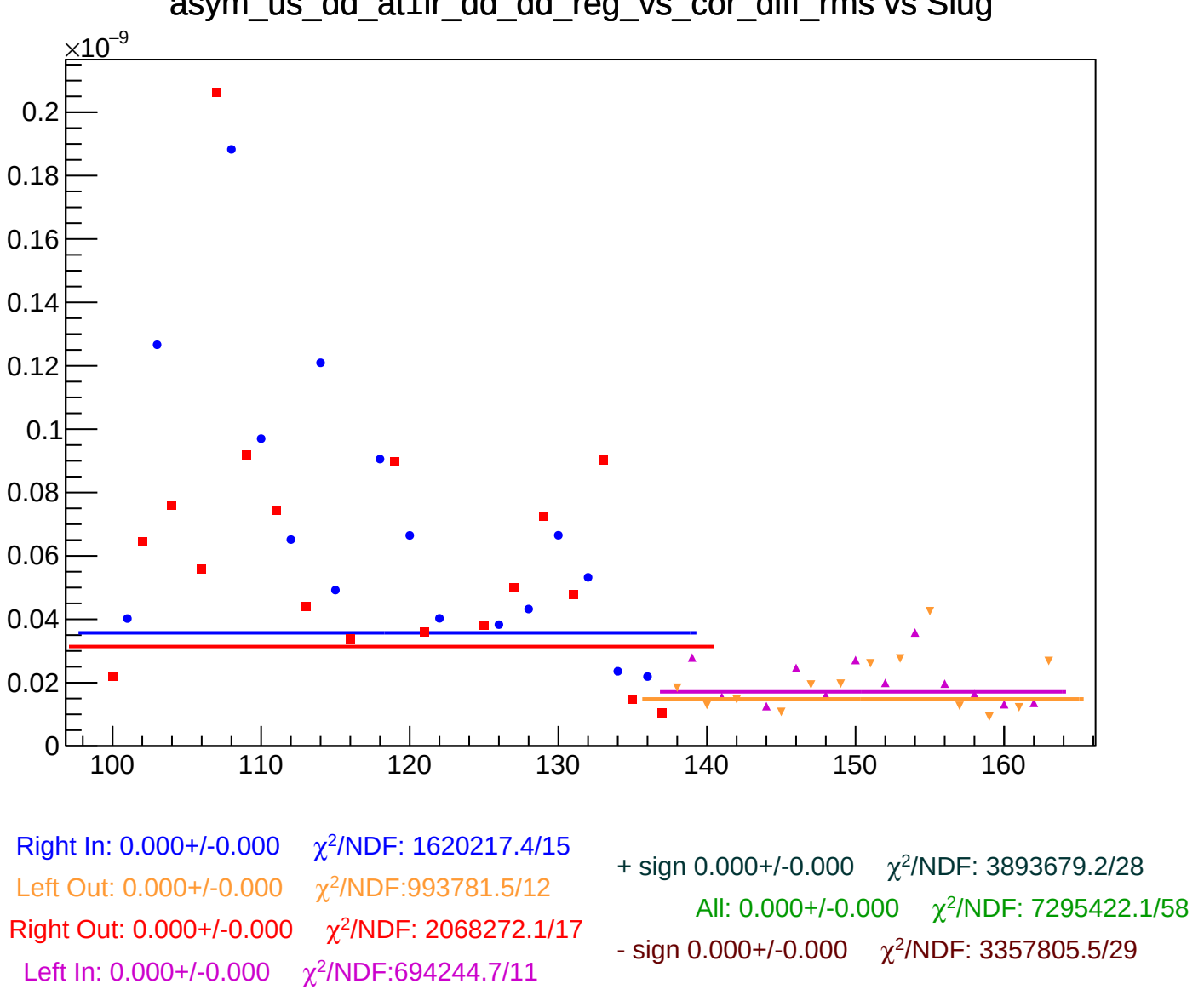
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/11

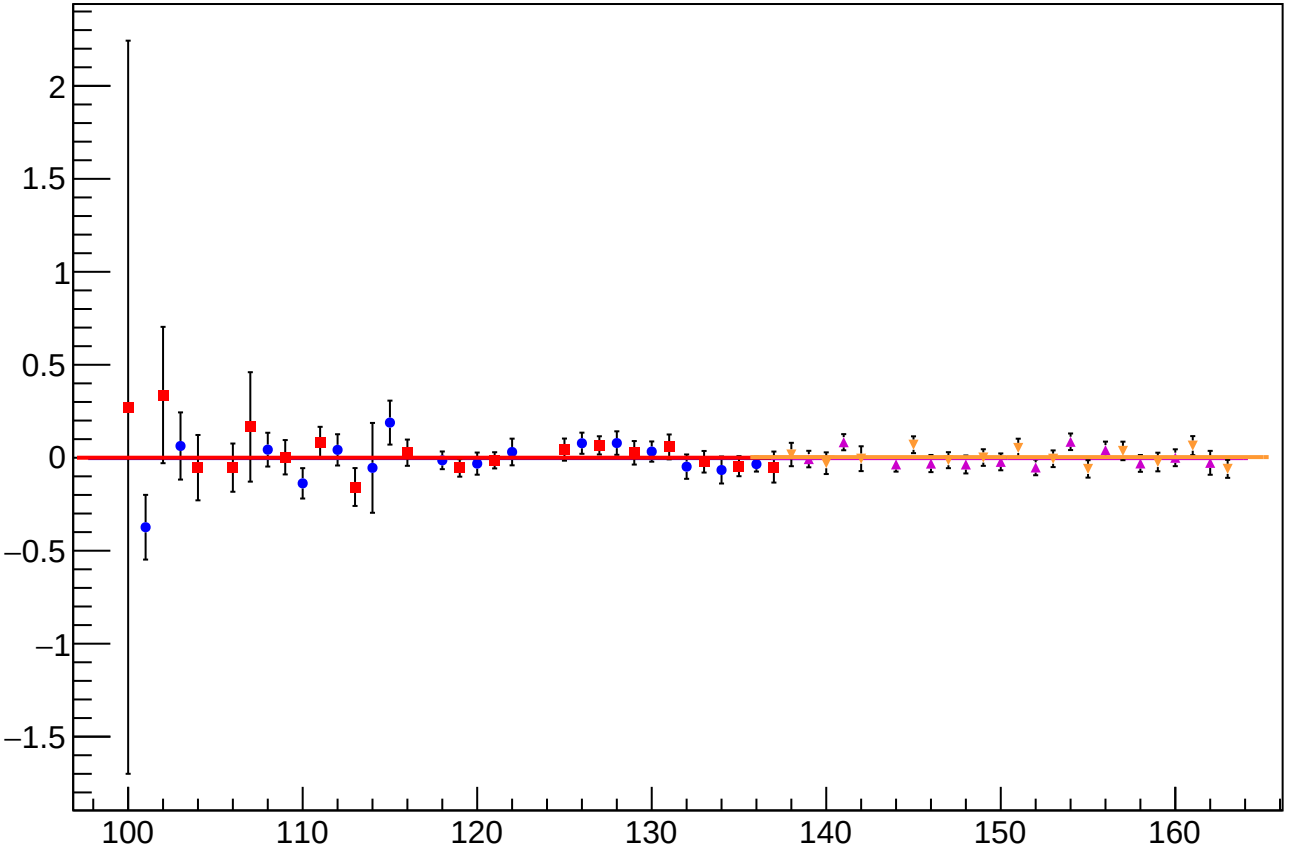
+ sign -0.000+/-0.000 χ^2/NDF: 15.5/28

All: -0.000+/-0.000 χ^2/NDF: 44.8/58

- sign 0.000+/-0.000 χ^2/NDF: 27.2/29


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
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:993781.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:694244.7/11
+ sign 0.000+/-0.000 χ²/NDF: 3893679.2/28
All: 0.000+/-0.000 χ²/NDF: 7295422.1/58
- sign 0.000+/-0.000 χ²/NDF: 3357805.5/29

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

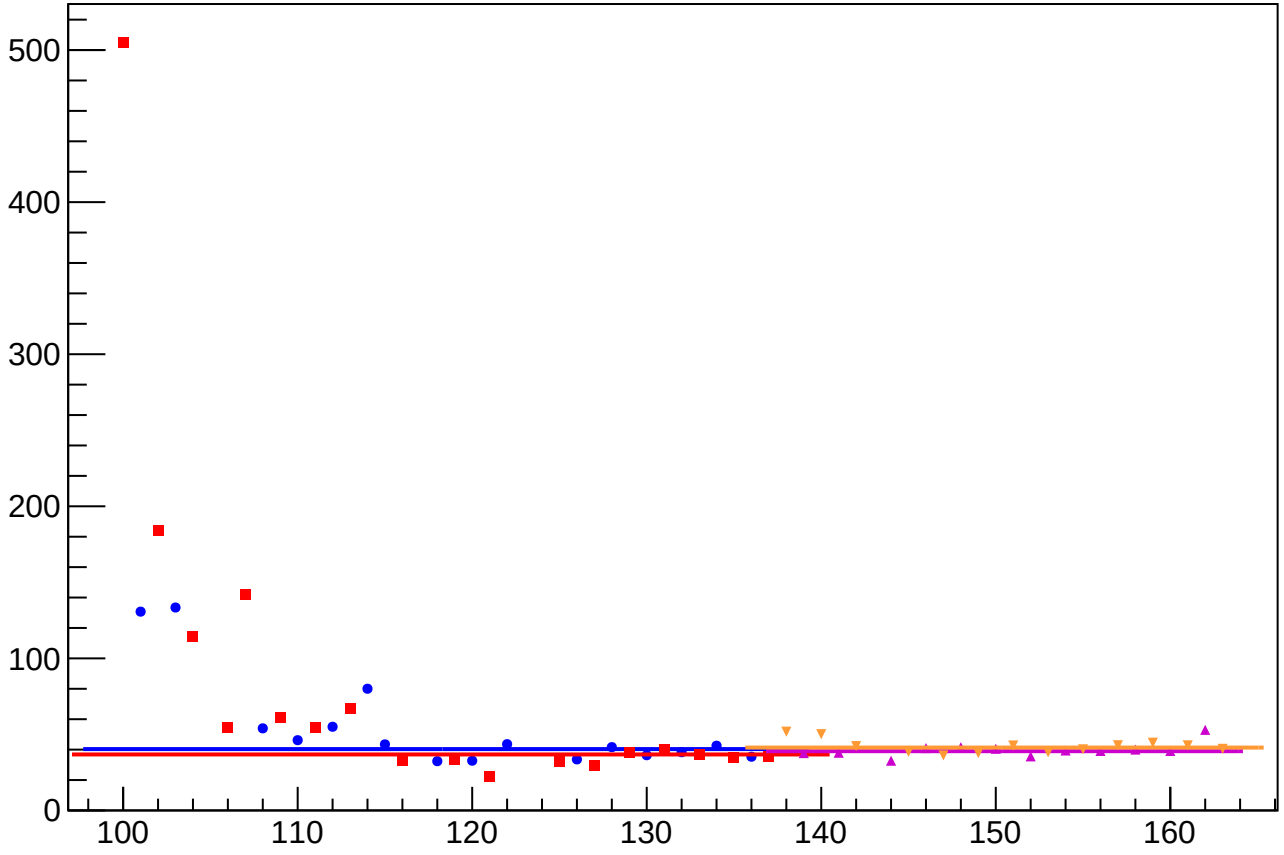
Left In: -0.002+/-0.013 χ^2/NDF:12.5/11

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/58

- sign -0.001+/-0.010 χ^2/NDF: 23.4/29

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

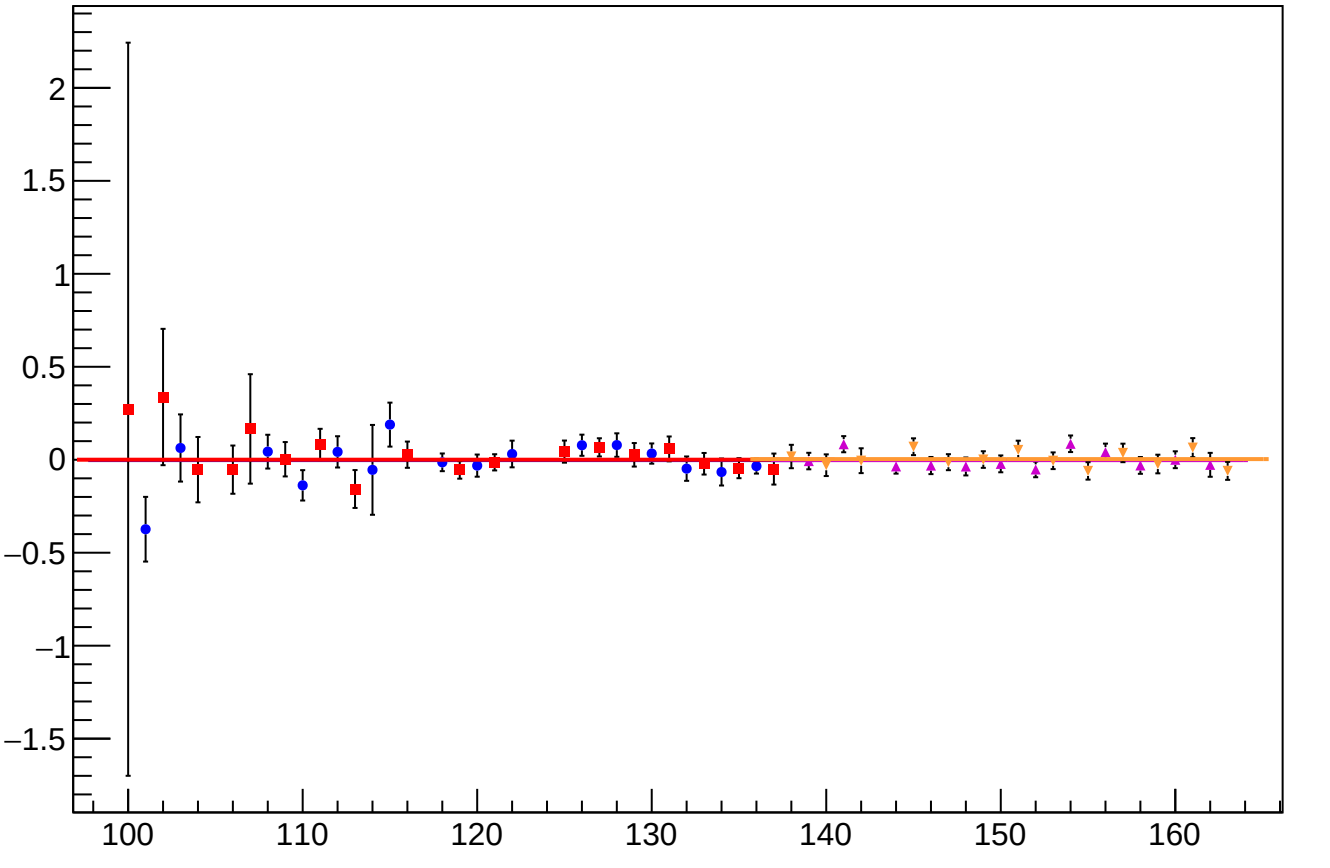
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.970+/-0.009 χ^2/NDF:176543.2/11

+ sign 40.956+/-0.008 χ^2/NDF: 1589531.2/28

All: 39.496+/-0.005 χ^2/NDF: 3694867.1/58

- sign 38.153+/-0.007 χ^2/NDF: 2034182.3/29



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.003+/-0.014 χ^2/NDF:9.4/12

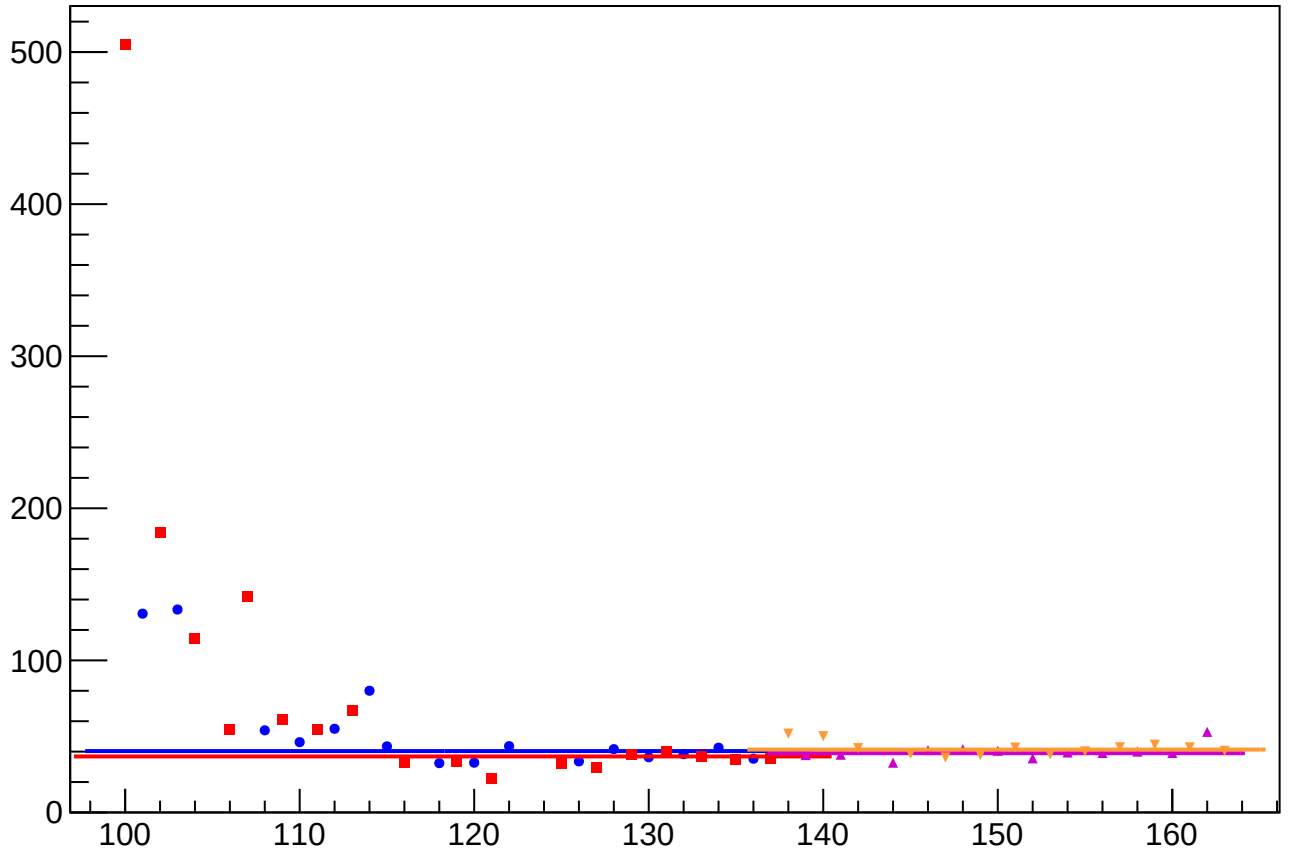
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/11

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/58

- sign -0.001+/-0.010 χ^2/NDF: 23.4/29



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

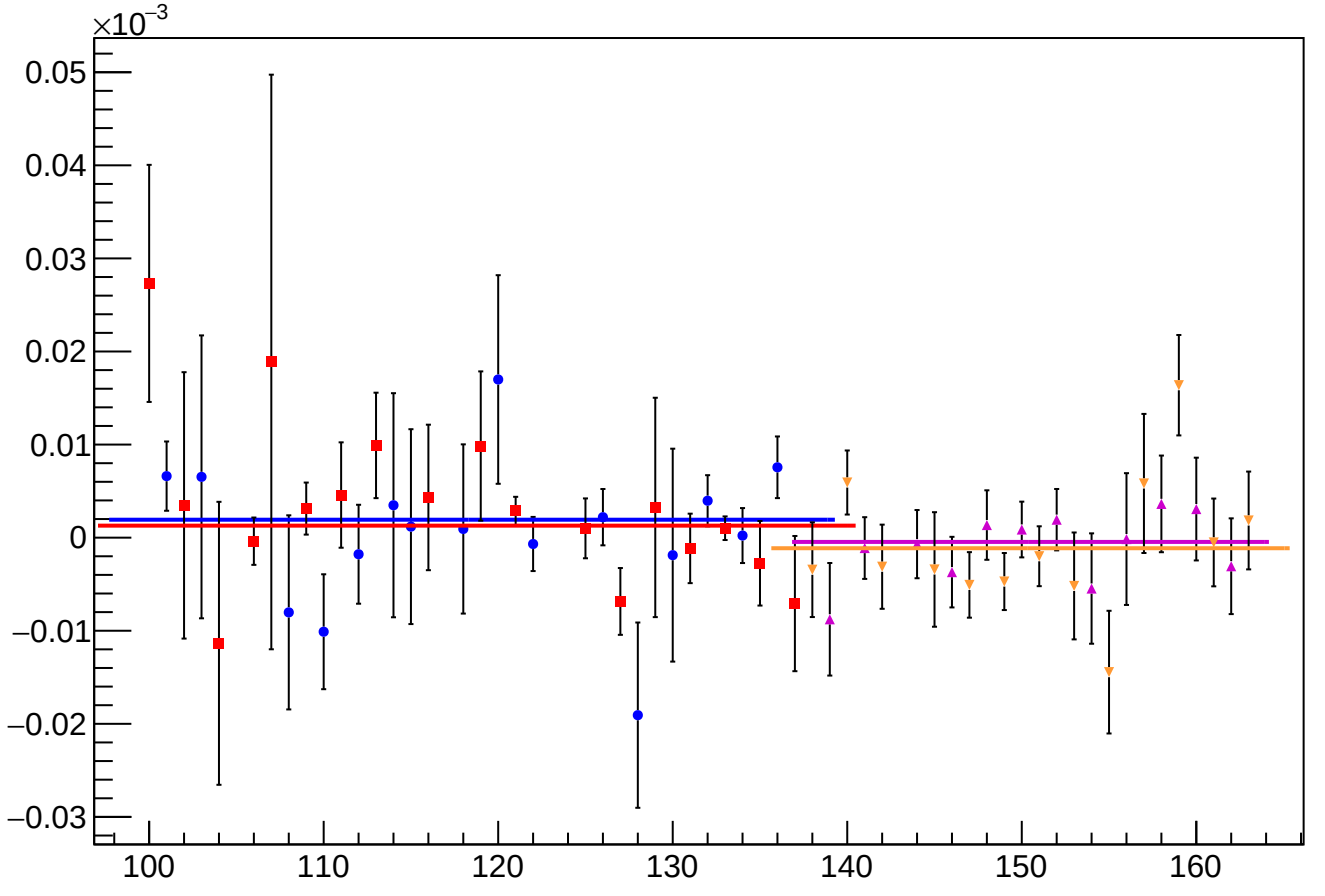
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.970+/-0.009 χ^2/NDF:176543.2/11

\+ sign 40.956+/-0.008 χ^2/NDF: 1589531.2/28

All: 39.496+/-0.005 χ^2/NDF: 3694867.1/58

\- sign 38.153+/-0.007 χ^2/NDF: 2034182.3/29



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/12

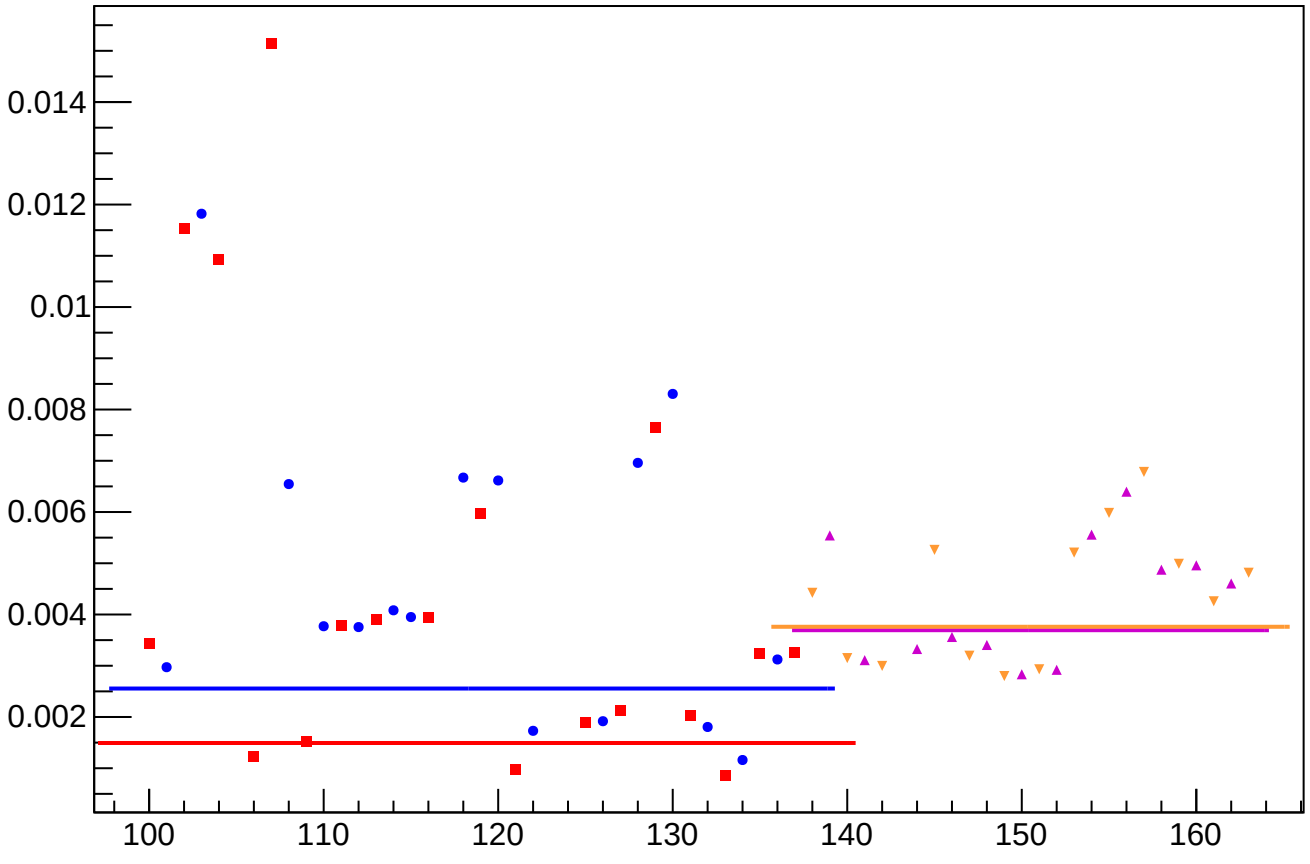
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/28

All: 0.000+/-0.000 χ^2/NDF: 71.1/58

- sign 0.000+/-0.000 χ^2/NDF: 26.0/29



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1542858.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

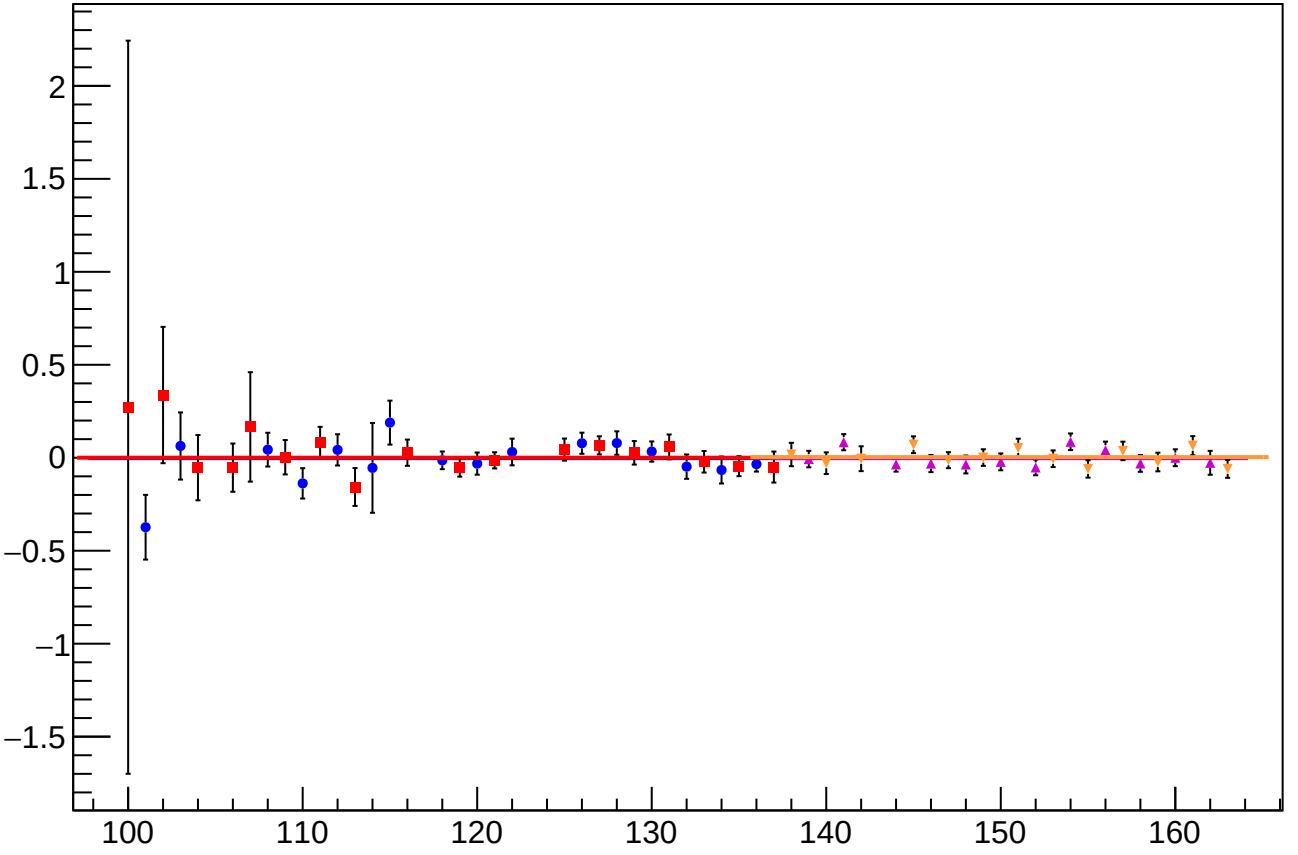
Left In: 0.004+/-0.000 χ^2/NDF:1319473.5/11

+ sign 0.003+/-0.000 χ^2/NDF: 6363577.4/28

All: 0.002+/-0.000 χ^2/NDF: 19905502.7/58

- sign 0.002+/-0.000 χ^2/NDF: 11711429.5/29

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.003+/-0.014 χ^2/NDF:9.4/12

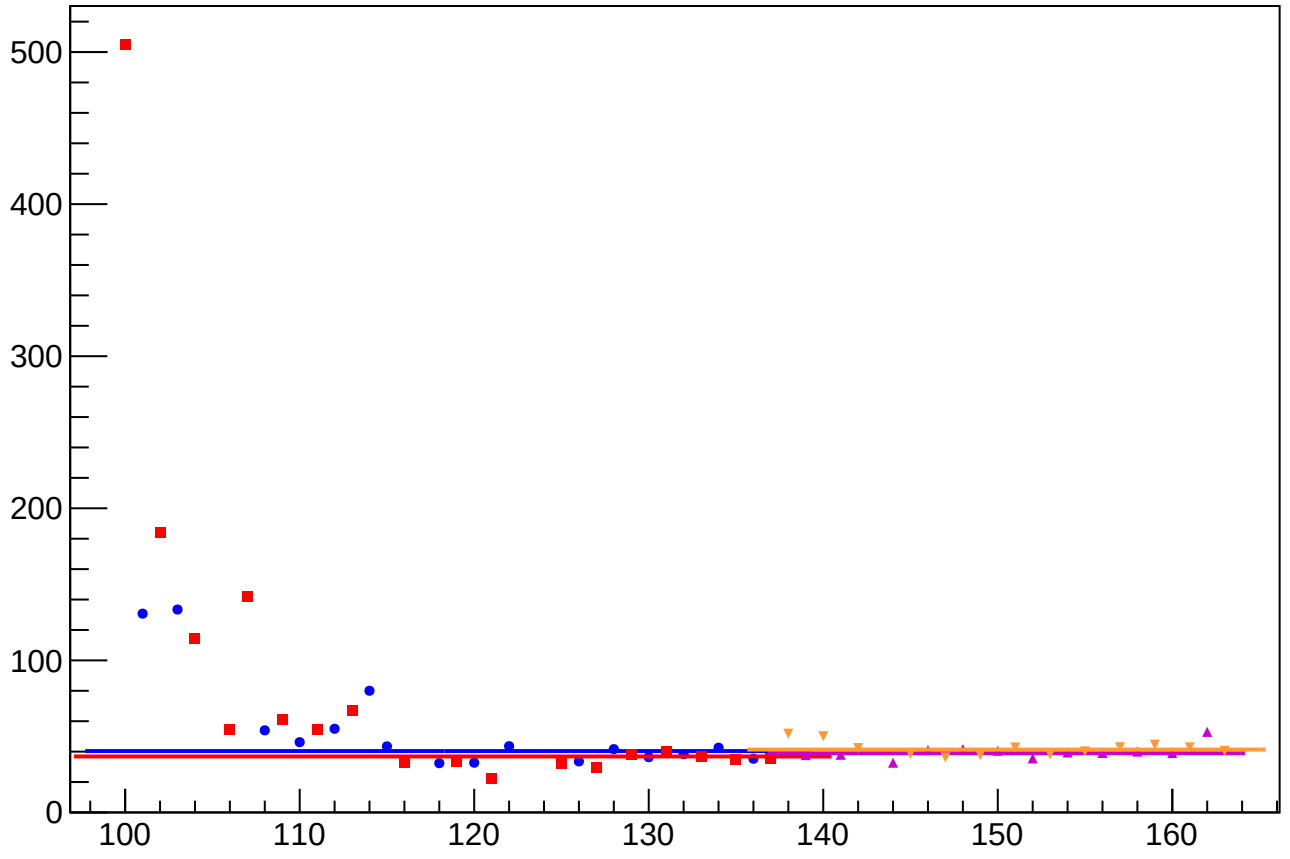
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.013 χ^2/NDF:12.5/11

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/58

- sign -0.001+/-0.010 χ^2/NDF: 23.4/29



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

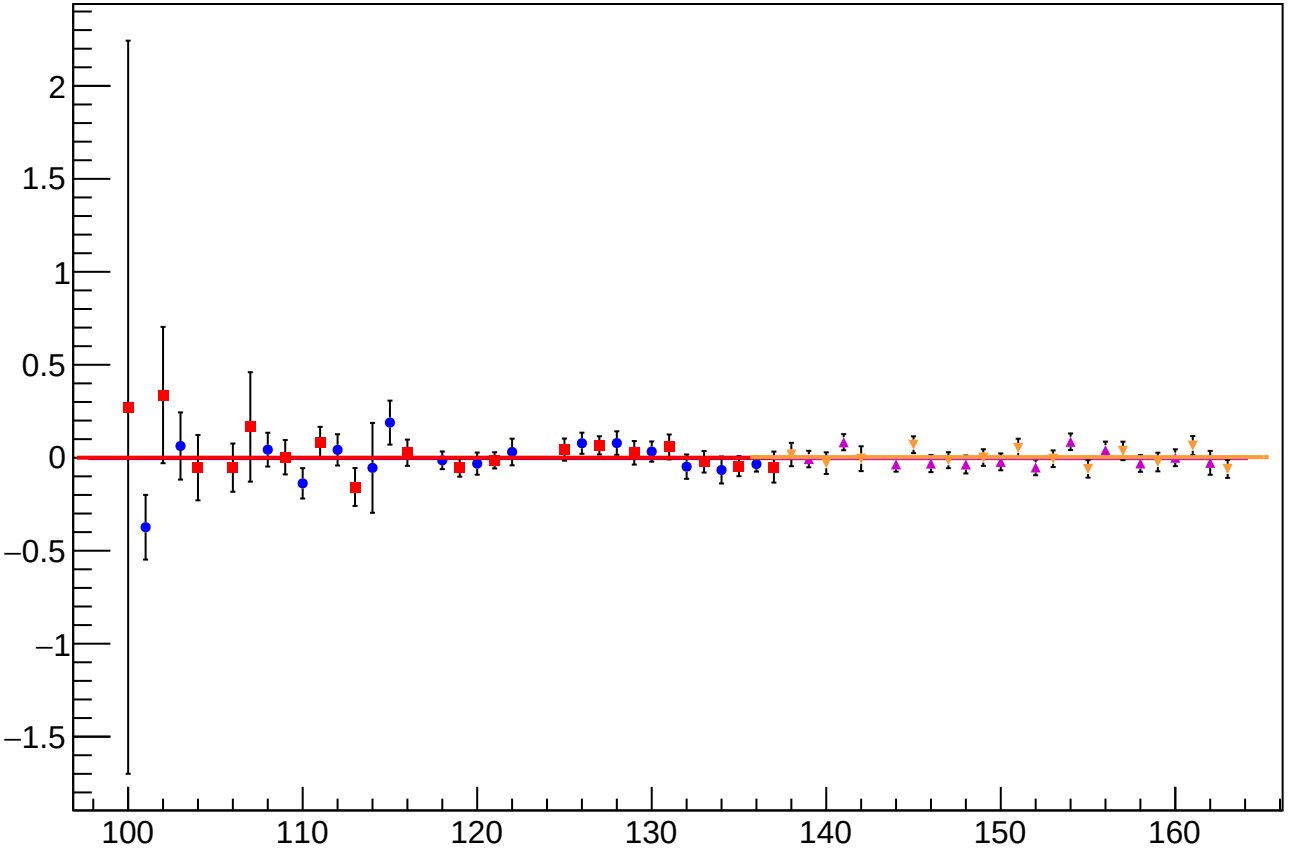
Left In: 38.970+/-0.009 χ^2/NDF:176523.8/11

\+ sign 40.956+/-0.008 χ^2/NDF: 1589430.2/28

All: 39.496+/-0.005 χ^2/NDF: 3694788.7/58

\- sign 38.152+/-0.007 χ^2/NDF: 2034173.6/29

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.003+/-0.014 χ^2/NDF:9.4/12

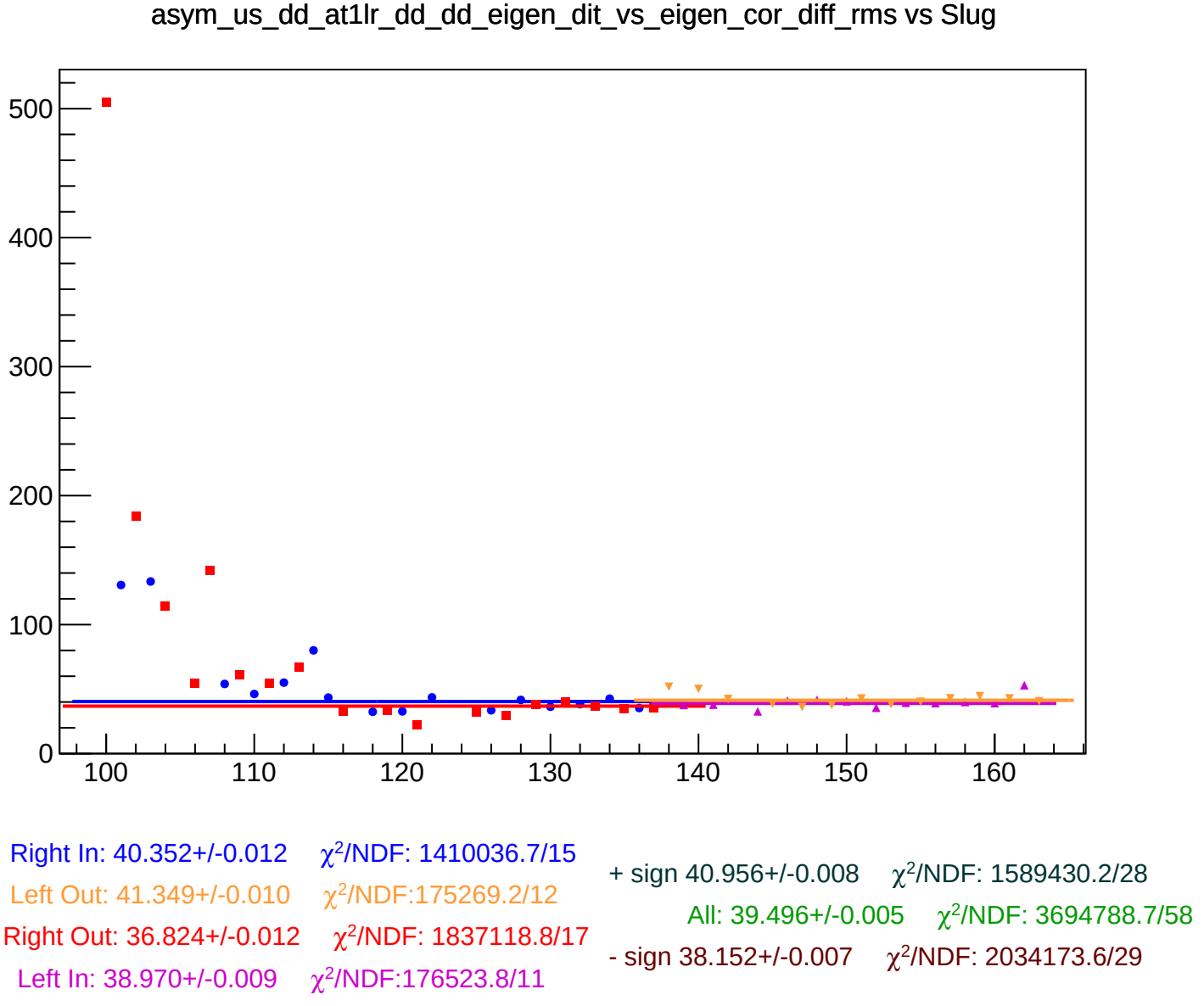
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

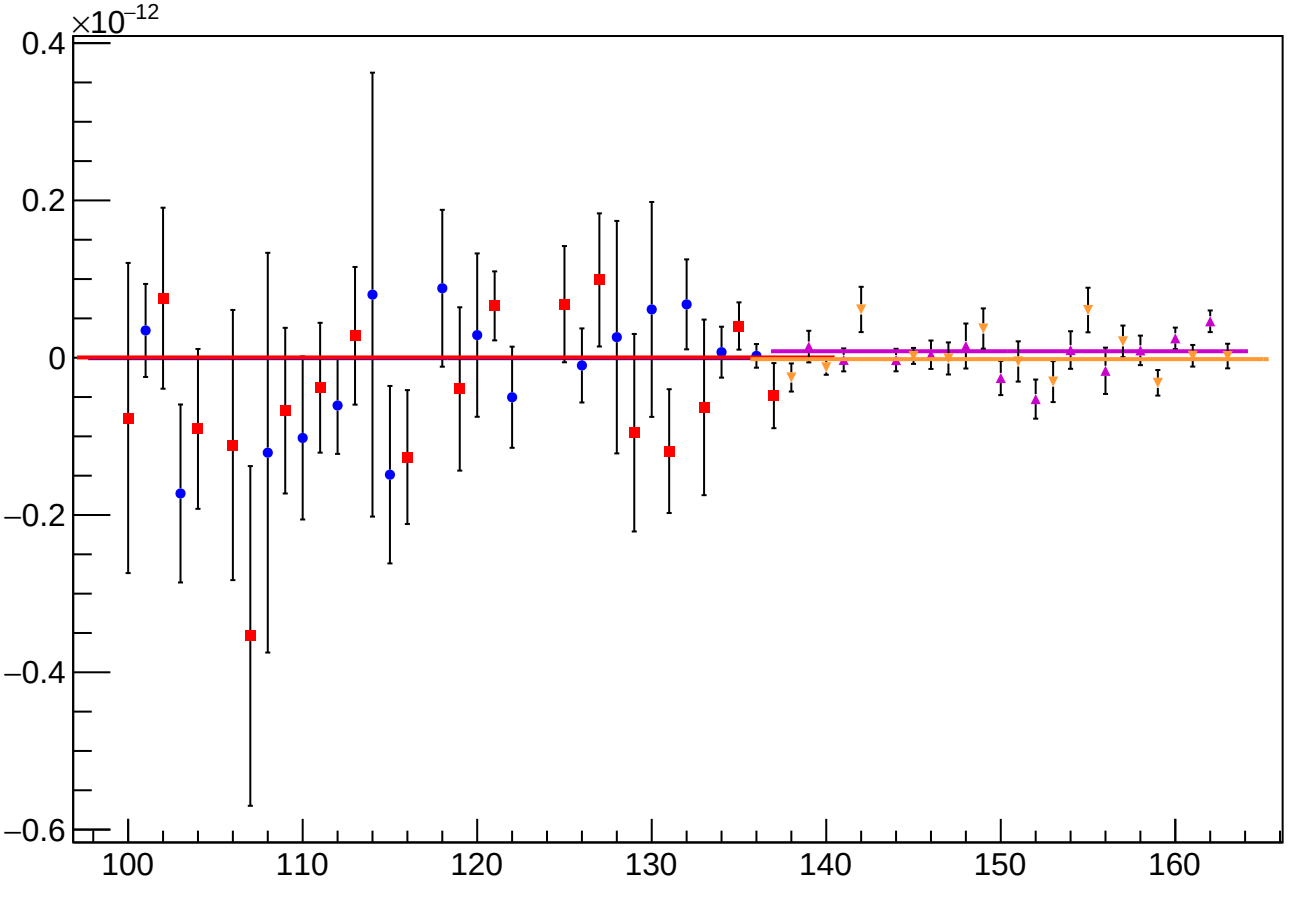
Left In: -0.002+/-0.013 χ^2/NDF:12.5/11

+ sign 0.001+/-0.011 χ^2/NDF: 26.6/28

All: 0.000+/-0.007 χ^2/NDF: 50.1/58

- sign -0.001+/-0.010 χ^2/NDF: 23.4/29


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
0
100
110
120
130
140
150
160
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 41.349+/-0.010 χ²/NDF:175269.2/12
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 38.970+/-0.009 χ²/NDF:176523.8/11
+ sign 40.956+/-0.008 χ²/NDF: 1589430.2/28
All: 39.496+/-0.005 χ²/NDF: 3694788.7/58
- sign 38.152+/-0.007 χ²/NDF: 2034173.6/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/12

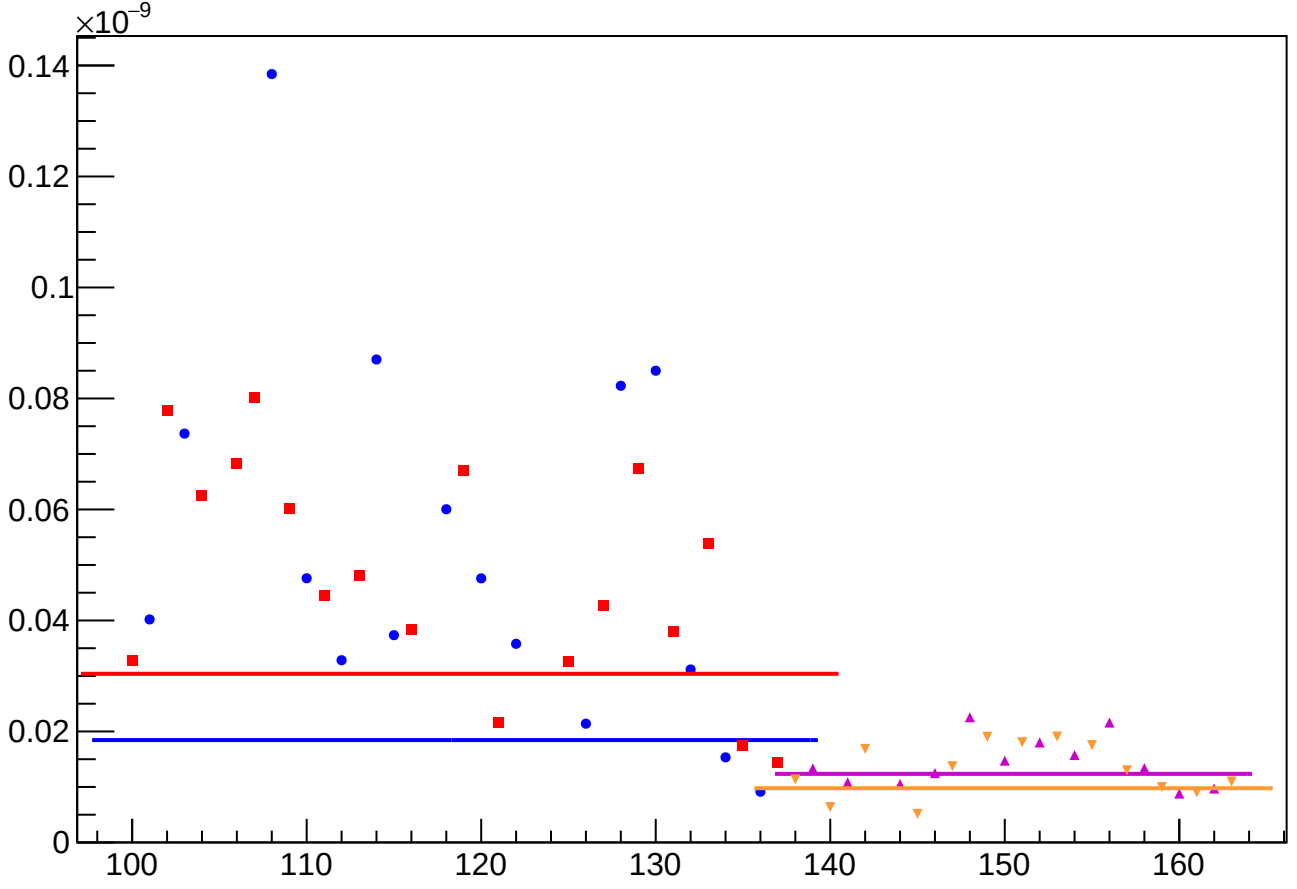
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:19.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 31.0/28

All: 0.000+/-0.000 χ^2/NDF: 71.2/58

- sign 0.000+/-0.000 χ^2/NDF: 38.2/29



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1833687.2/12

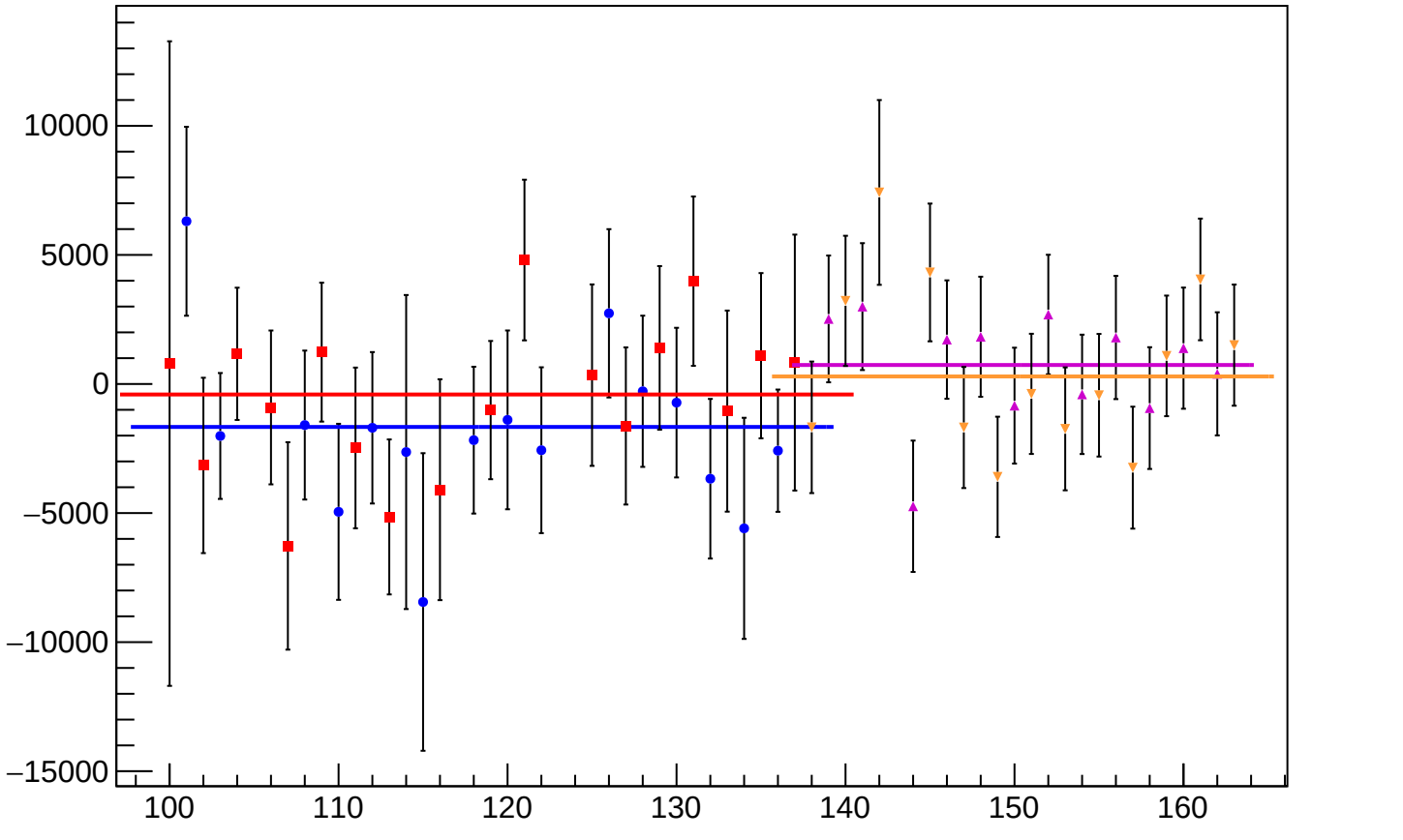
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:895102.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 6833893.4/28

All: 0.000+/-0.000 χ^2/NDF: 12746068.7/58

- sign 0.000+/-0.000 χ^2/NDF: 5462311.6/29



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.697+/-680.636 χ^2/NDF:17.8/12

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

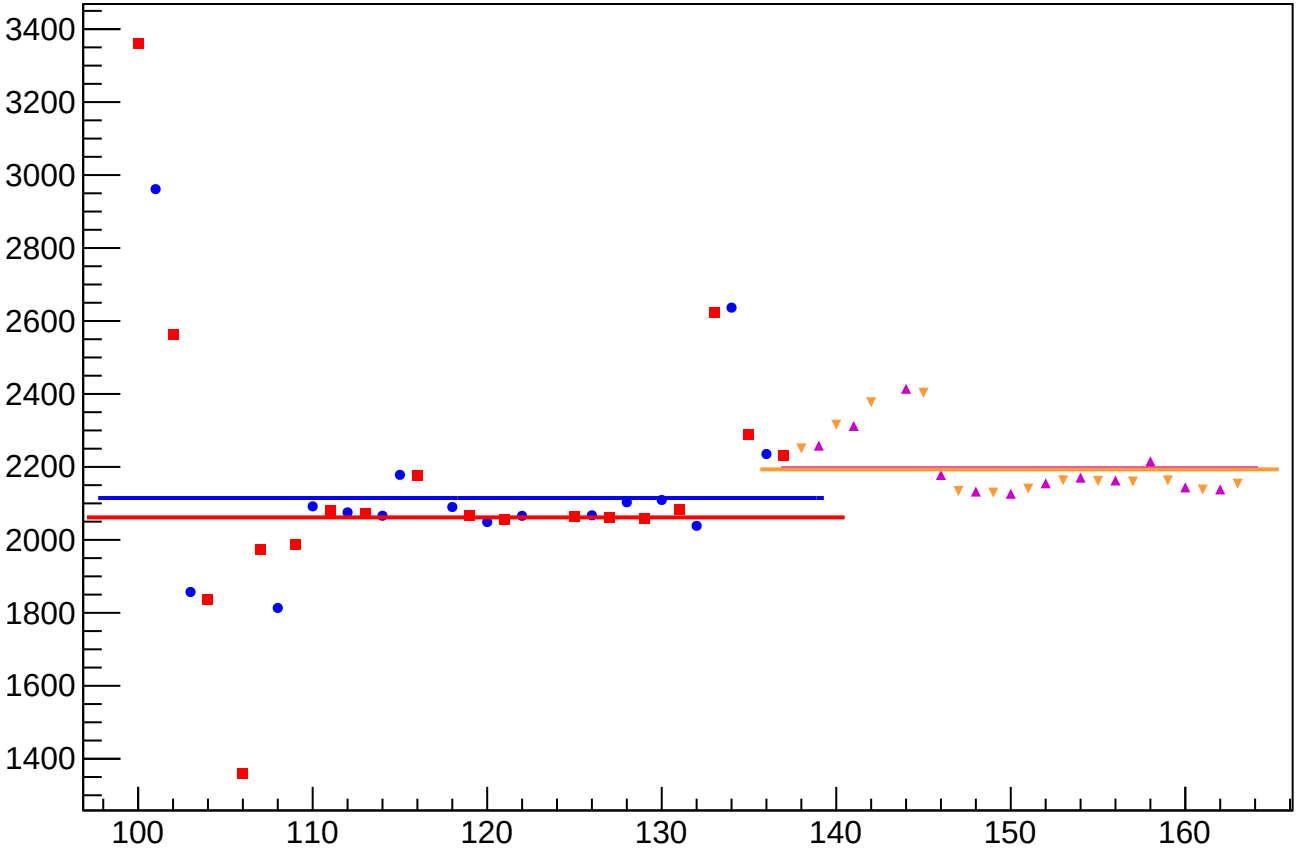
Left In: 735.384+/-682.634 χ^2/NDF:8.7/11

+ sign -538.454+/-516.249 χ^2/NDF: 32.1/28

All: -147.722+/-363.845 χ^2/NDF: 55.8/58

- sign 237.921+/-512.876 χ^2/NDF: 22.6/29

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

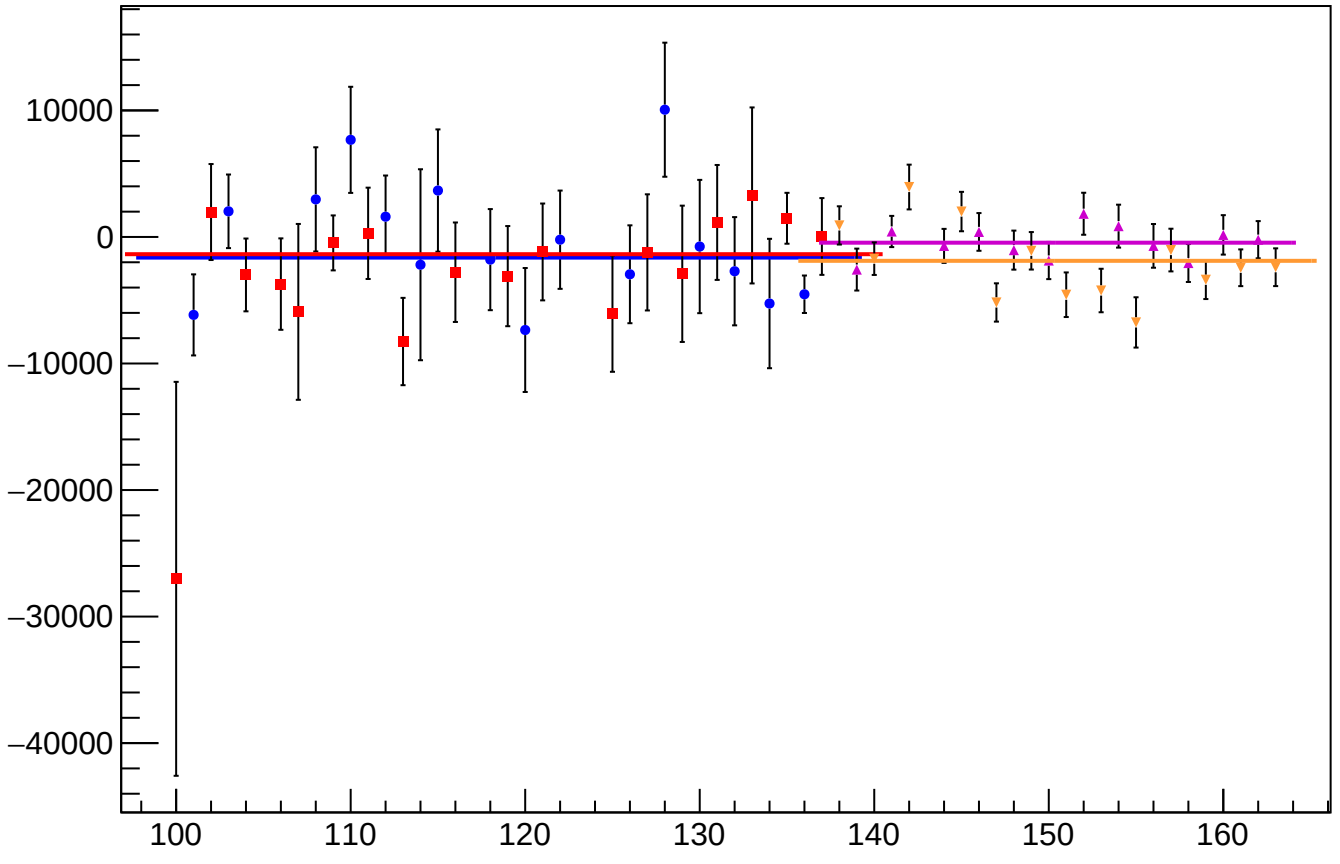
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2196.052+/-0.483 χ^2/NDF:27555.1/11

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.2/28

All: 2148.626+/-0.257 χ^2/NDF: 543943.1/58

- sign 2137.478+/-0.363 χ^2/NDF: 310552.6/29



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1886.239+/-434.914 χ^2/NDF:37.2/12

Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

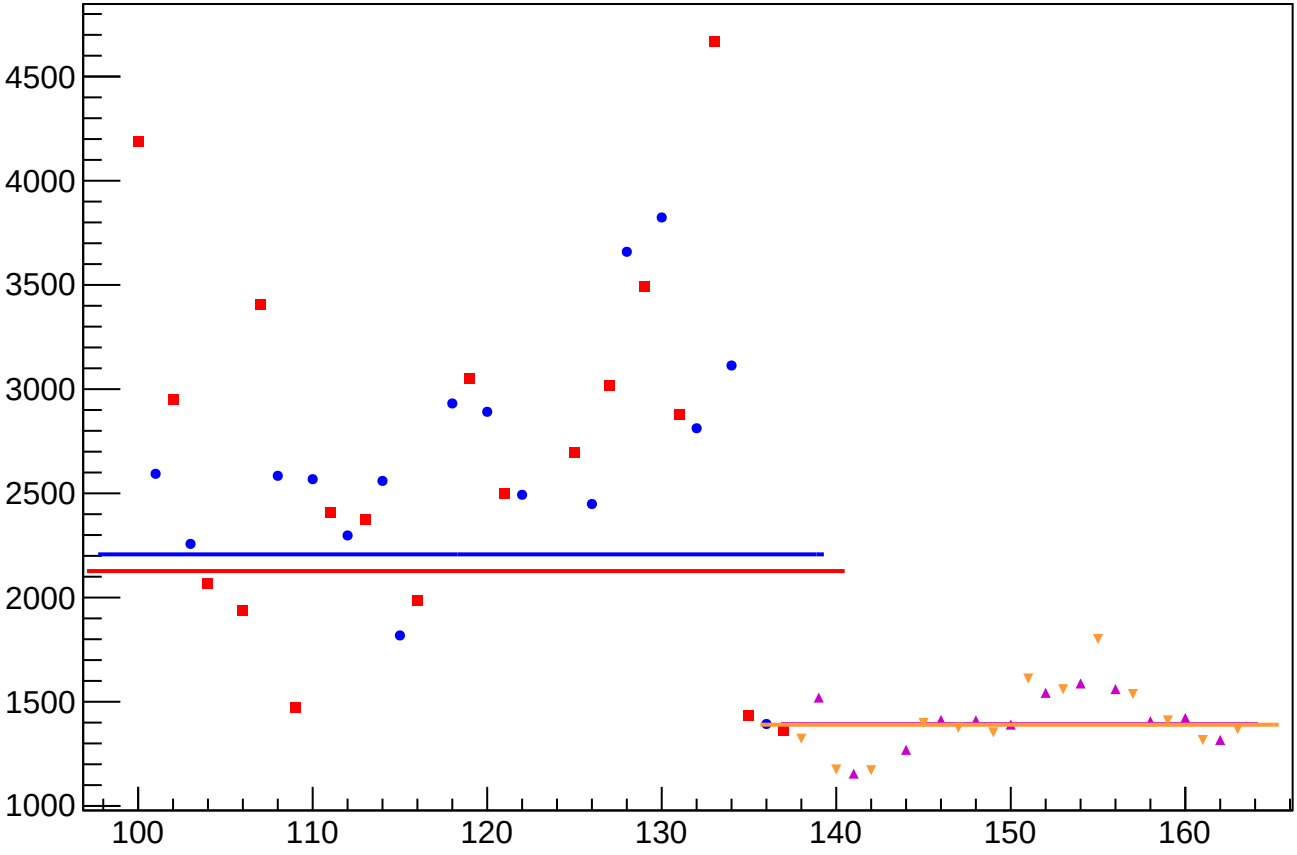
Left In: -453.205+/-435.420 χ^2/NDF:7.4/11

+ sign -1834.382+/-388.330 χ^2/NDF: 60.2/28

All: -1237.302+/-273.981 χ^2/NDF: 86.7/58

- sign -645.493+/-386.612 χ^2/NDF: 21.8/29

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: 1389.917+/-0.308 χ^2/NDF:249692.1/12

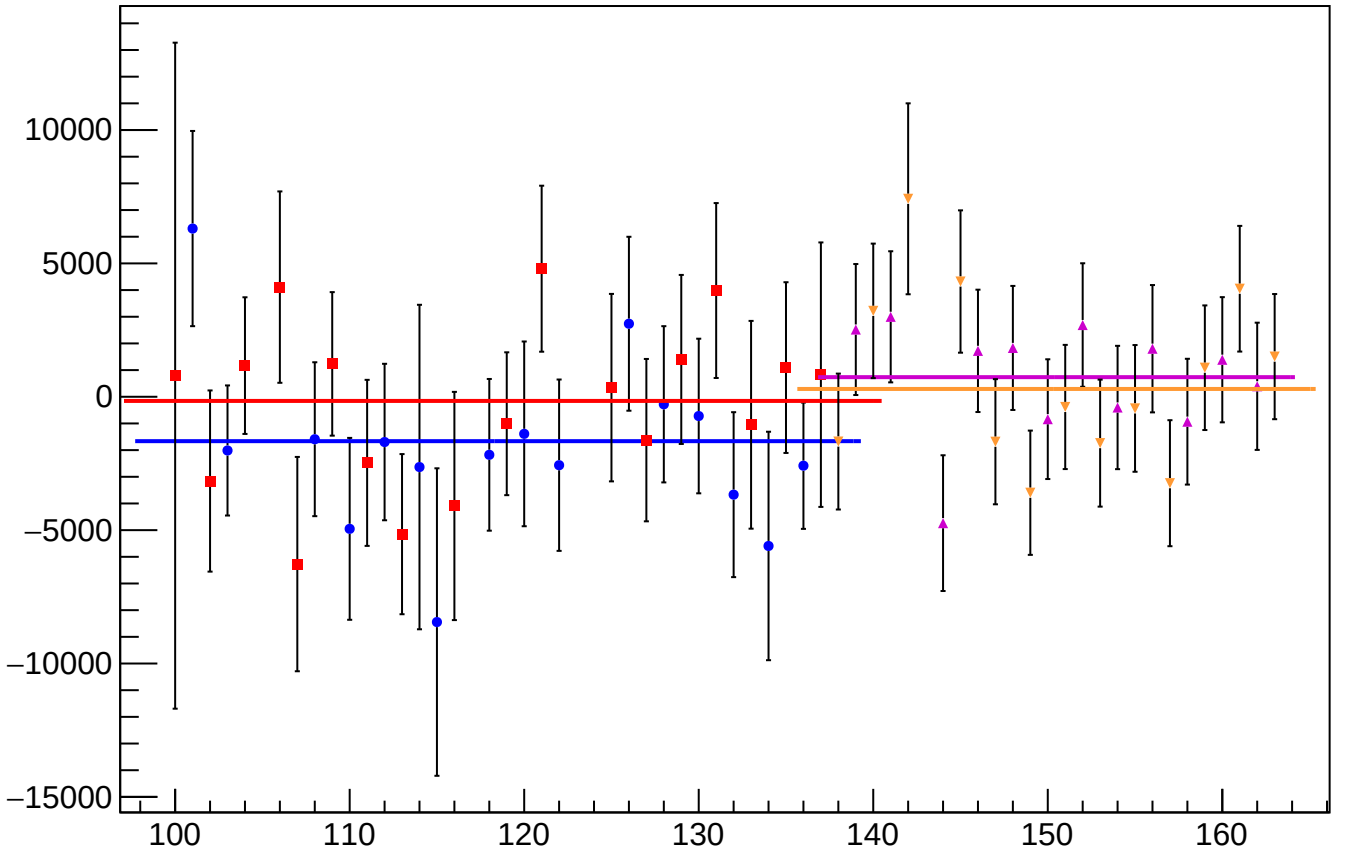
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1392.714+/-0.308 χ^2/NDF:171527.2/11

+ sign 1555.634+/-0.275 χ^2/NDF: 2931117.4/28

All: 1551.877+/-0.194 χ^2/NDF: 5765462.4/58

- sign 1548.152+/-0.273 χ^2/NDF: 2833972.2/29



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

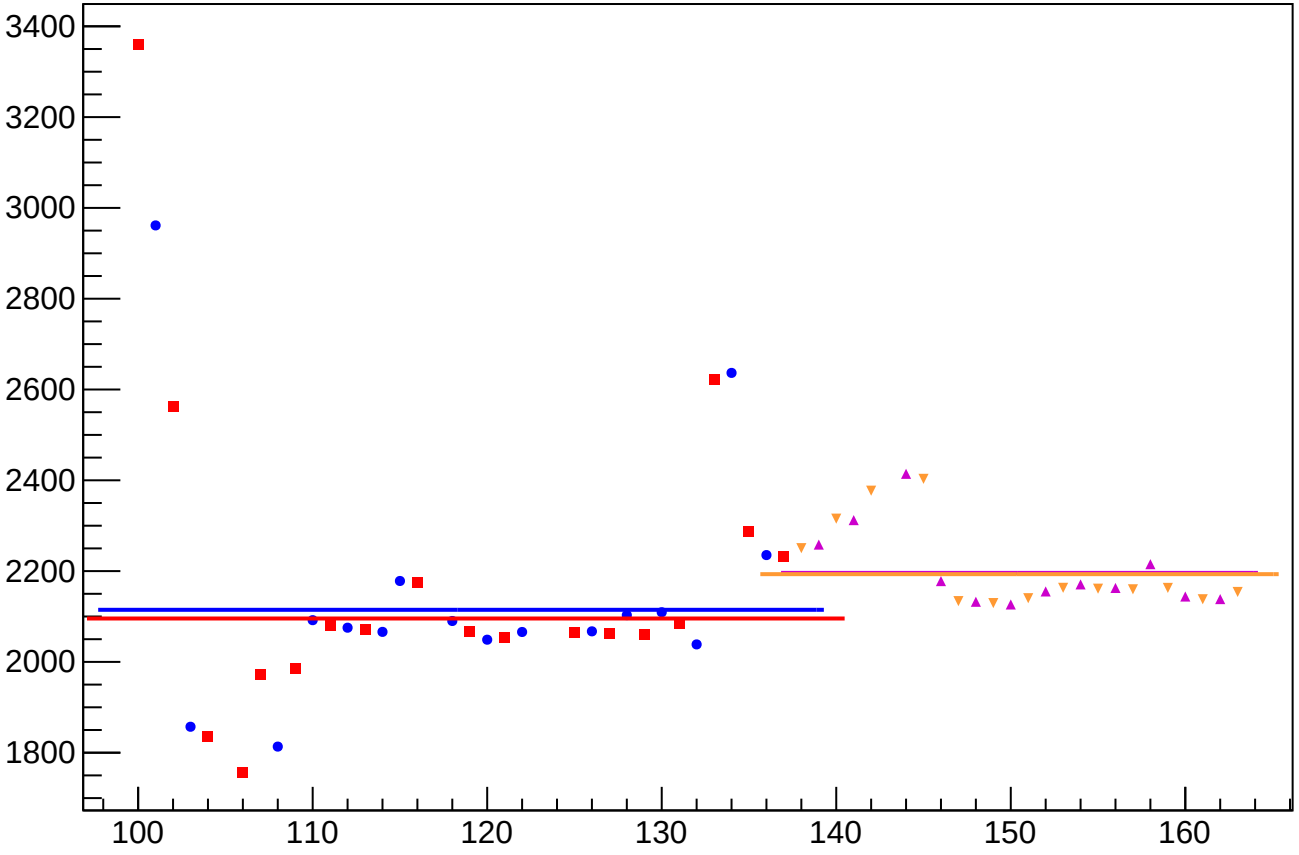
Left In: 735.323+/-682.634 χ^2/NDF:8.7/11

+ sign -538.274+/-516.249 χ^2/NDF: 32.1/28

All: -92.325+/-364.688 χ^2/NDF: 57.1/58

- sign 351.894+/-515.247 χ^2/NDF: 23.6/29

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

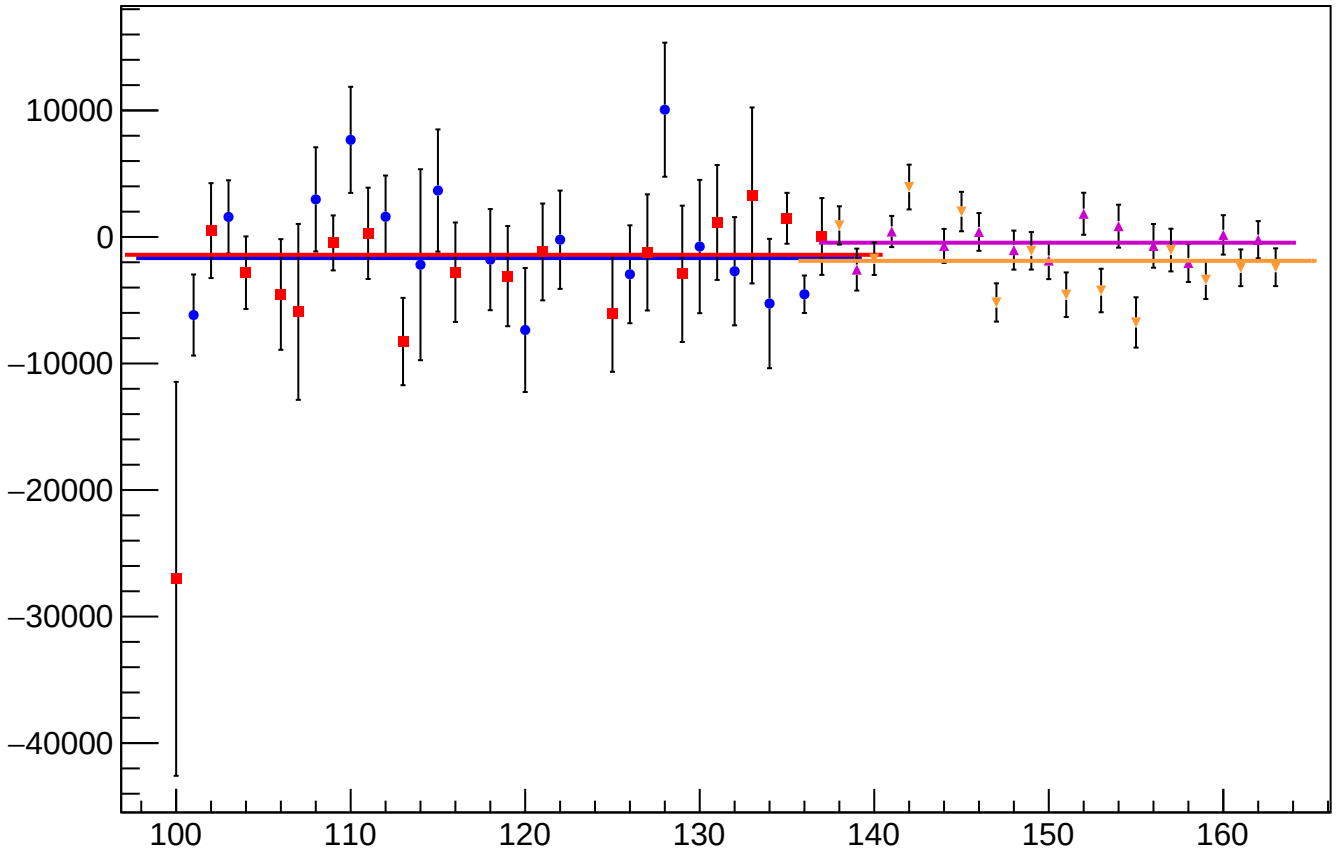
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2196.052+/-0.483 χ^2/NDF:27555.1/11

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.5/28

All: 2156.367+/-0.258 χ^2/NDF: 427229.6/58

- sign 2152.827+/-0.364 χ^2/NDF: 195551.9/29



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1886.121+/-434.917 χ^2/NDF:37.2/12

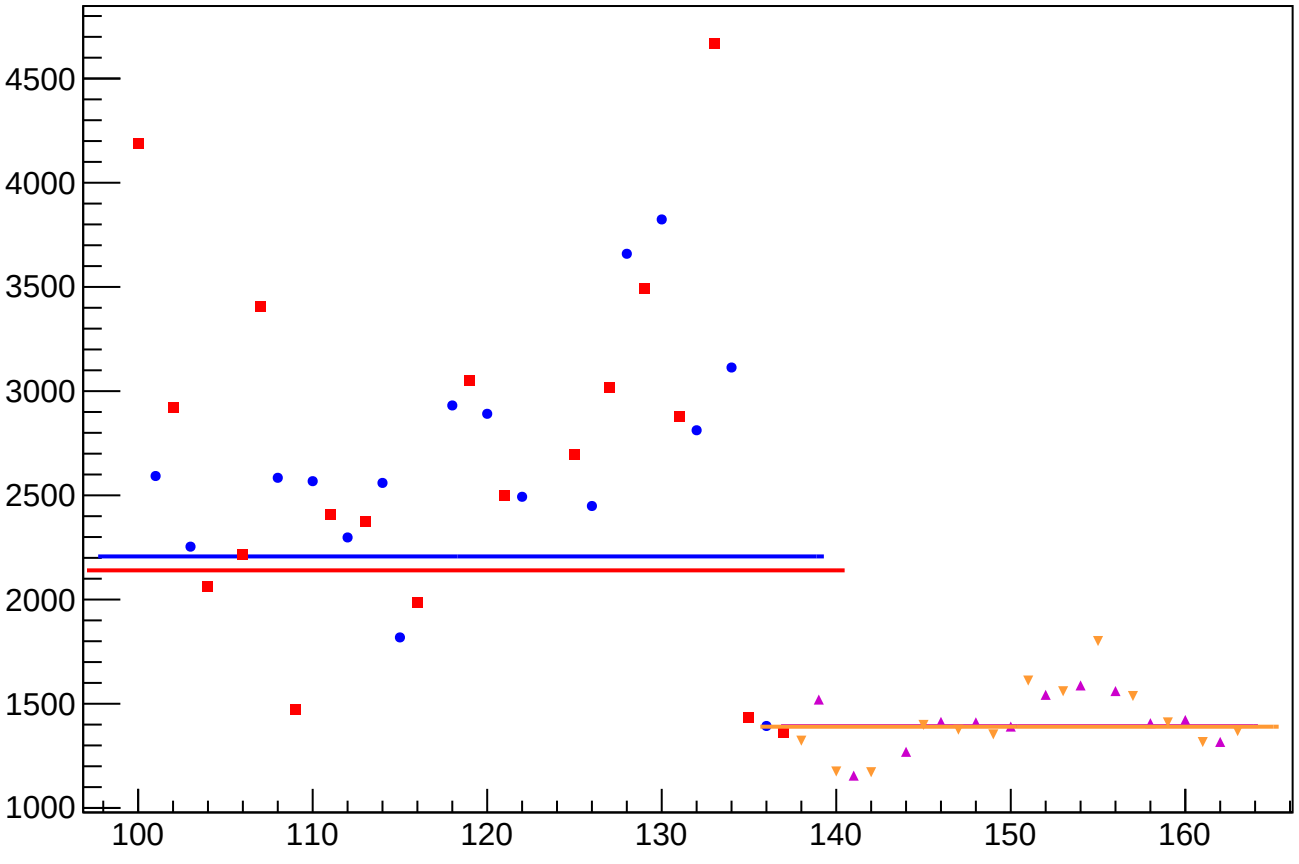
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -453.105+/-435.420 χ^2/NDF:7.4/11

+ sign -1841.970+/-388.305 χ^2/NDF: 59.8/28

All: -1245.711+/-274.201 χ^2/NDF: 85.9/58

- sign -652.676+/-387.253 χ^2/NDF: 21.4/29



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1389.927+/-0.308 χ^2/NDF:249637.8/12

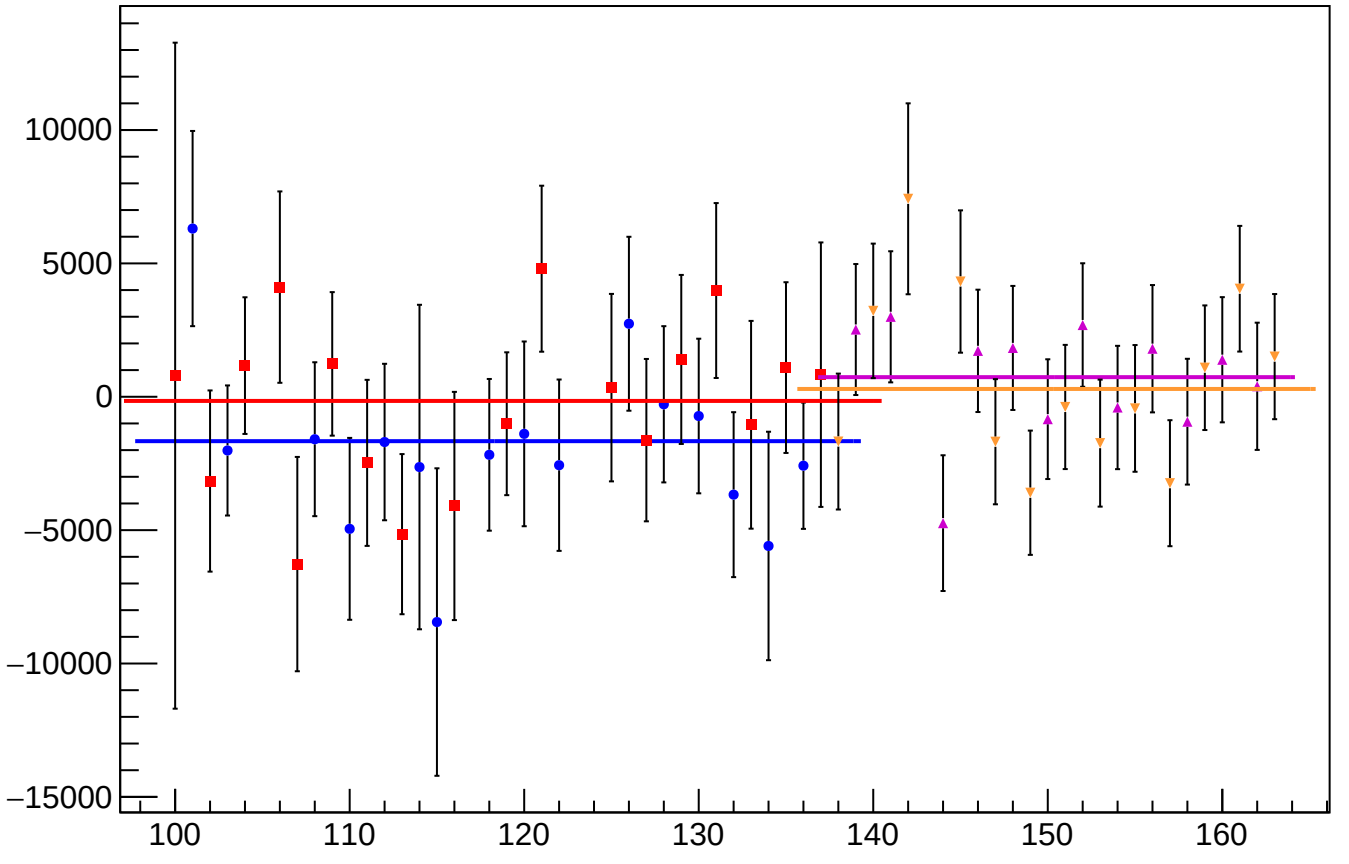
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1392.712+/-0.308 χ^2/NDF:171566.5/11

+ sign 1555.665+/-0.275 χ^2/NDF: 2930372.4/28

All: 1552.279+/-0.194 χ^2/NDF: 5782048.2/58

- sign 1548.910+/-0.274 χ^2/NDF: 2851372.3/29



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

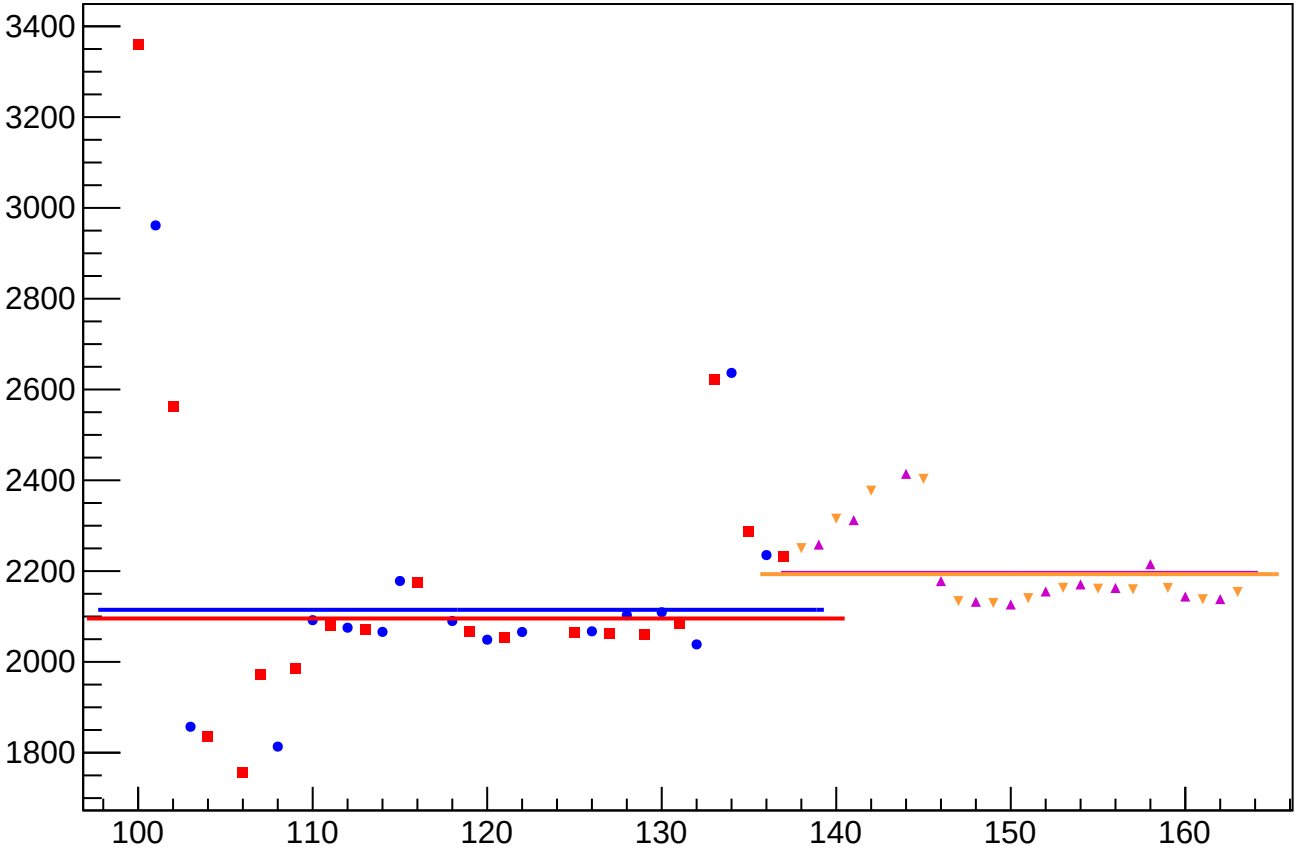
Left In: 735.323+/-682.634 χ^2/NDF:8.7/11

+ sign -538.274+/-516.249 χ^2/NDF: 32.1/28

All: -92.325+/-364.688 χ^2/NDF: 57.1/58

- sign 351.894+/-515.247 χ^2/NDF: 23.6/29

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: 2193.264+/-0.481 χ^2/NDF:30266.2/12

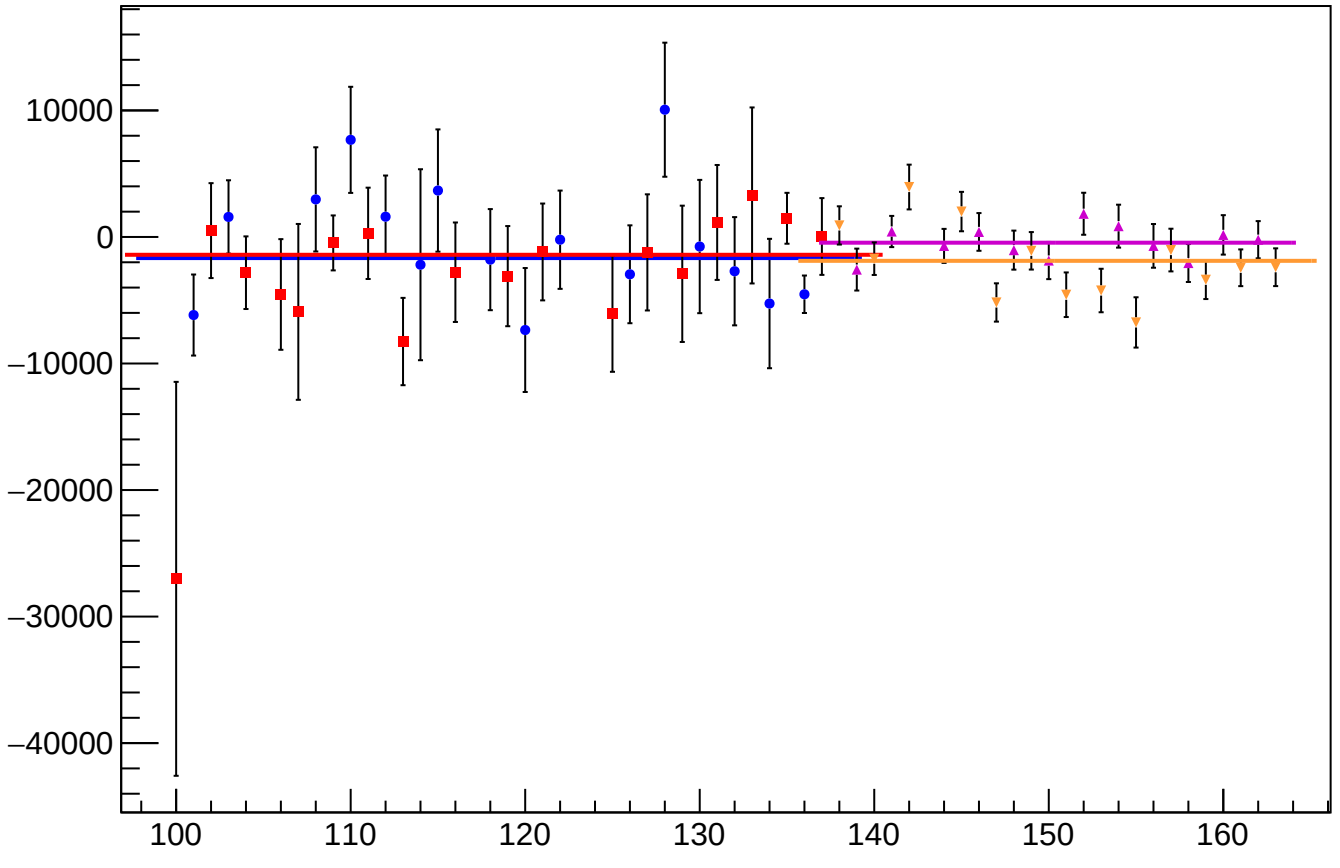
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2196.052+/-0.483 χ^2/NDF:27555.1/11

+ sign 2159.921+/-0.365 χ^2/NDF: 231488.5/28

All: 2156.367+/-0.258 χ^2/NDF: 427229.6/58

- sign 2152.827+/-0.364 χ^2/NDF: 195551.9/29



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1886.121+/-434.917 χ^2/NDF:37.2/12

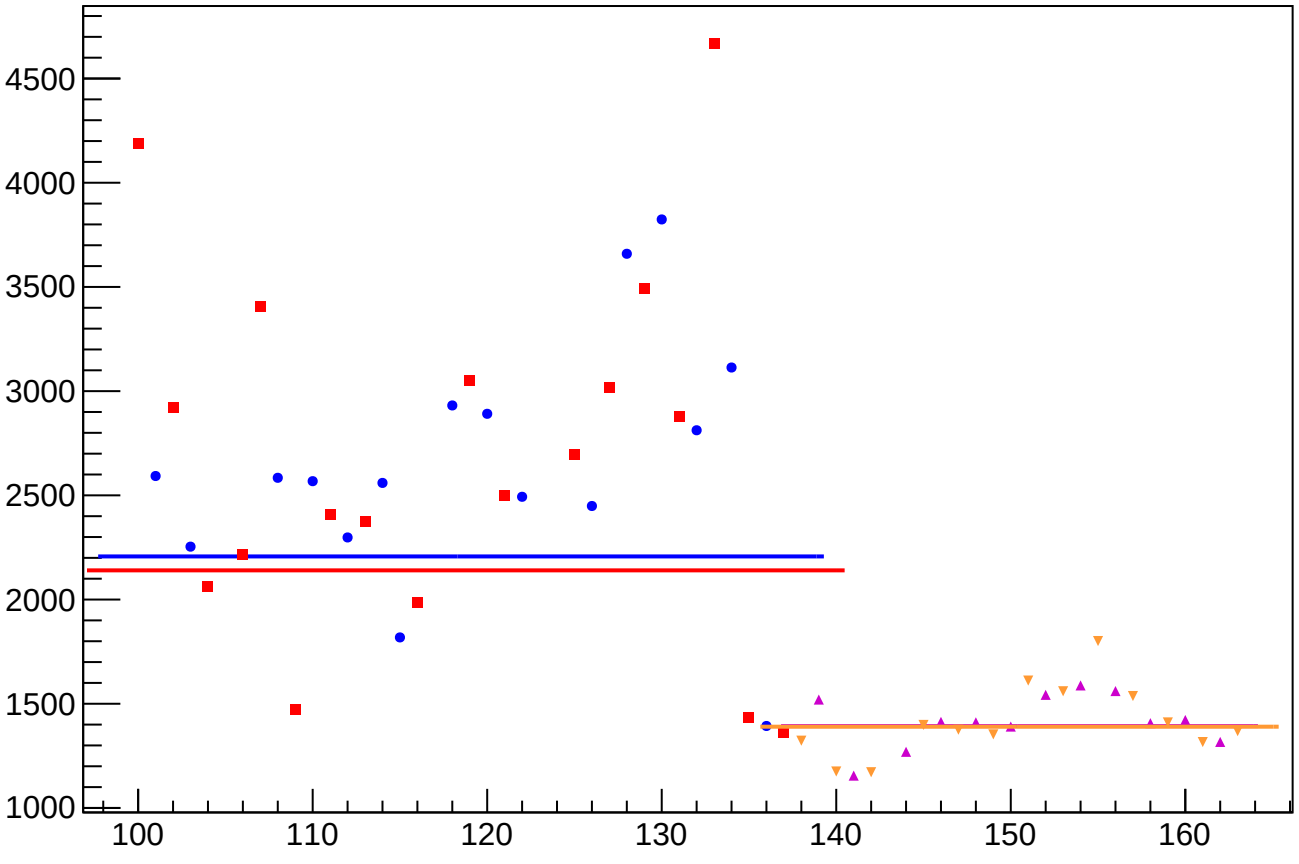
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -453.105+/-435.420 χ^2/NDF:7.4/11

+ sign -1841.970+/-388.305 χ^2/NDF: 59.8/28

All: -1245.711+/-274.201 χ^2/NDF: 85.9/58

- sign -652.676+/-387.253 χ^2/NDF: 21.4/29



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1389.927+/-0.308 χ^2/NDF:249637.8/12

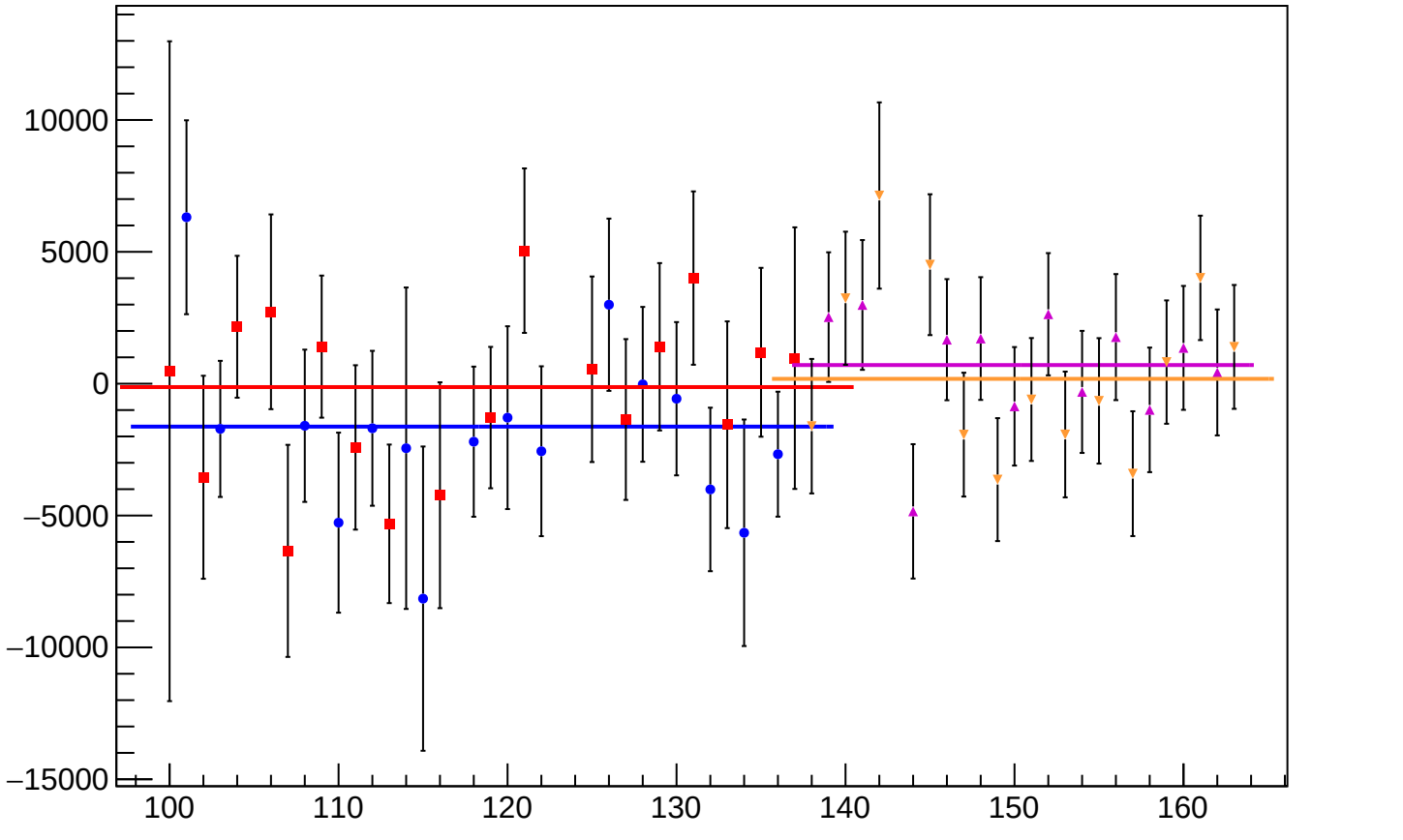
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1392.712+/-0.308 χ^2/NDF:171566.5/11

+ sign 1555.665+/-0.275 χ^2/NDF: 2930372.4/28

All: 1552.279+/-0.194 χ^2/NDF: 5782048.2/58

- sign 1548.910+/-0.274 χ^2/NDF: 2851372.3/29



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 183.476+/-681.094 χ^2/NDF:18.3/12

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

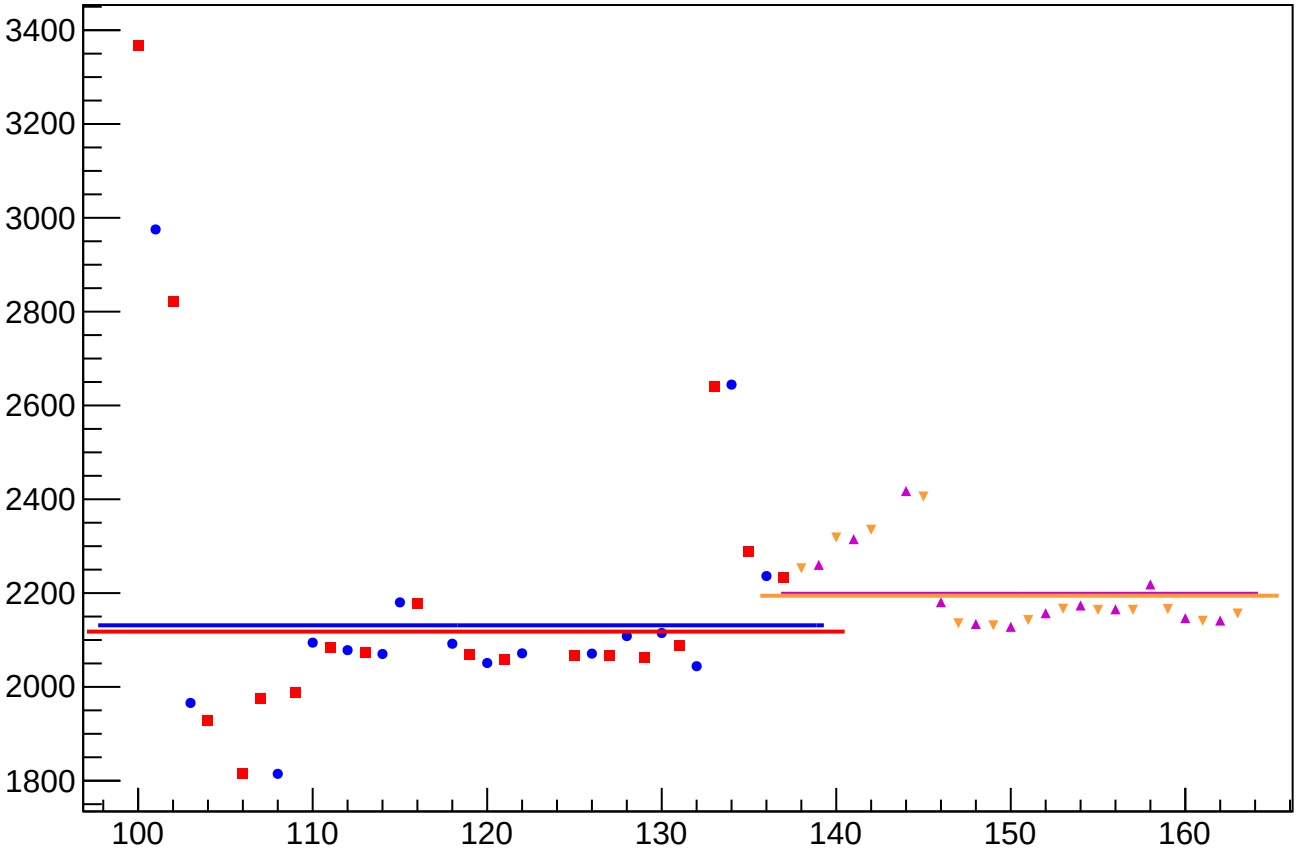
Left In: 706.571+/-683.412 χ^2/NDF:8.7/11

+ sign -579.857+/-518.047 χ^2/NDF: 32.6/28

All: -114.161+/-366.473 χ^2/NDF: 58.1/58

- sign 352.339+/-518.495 χ^2/NDF: 23.9/29

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2194.438+/-0.482 χ^2/NDF:28057.0/12

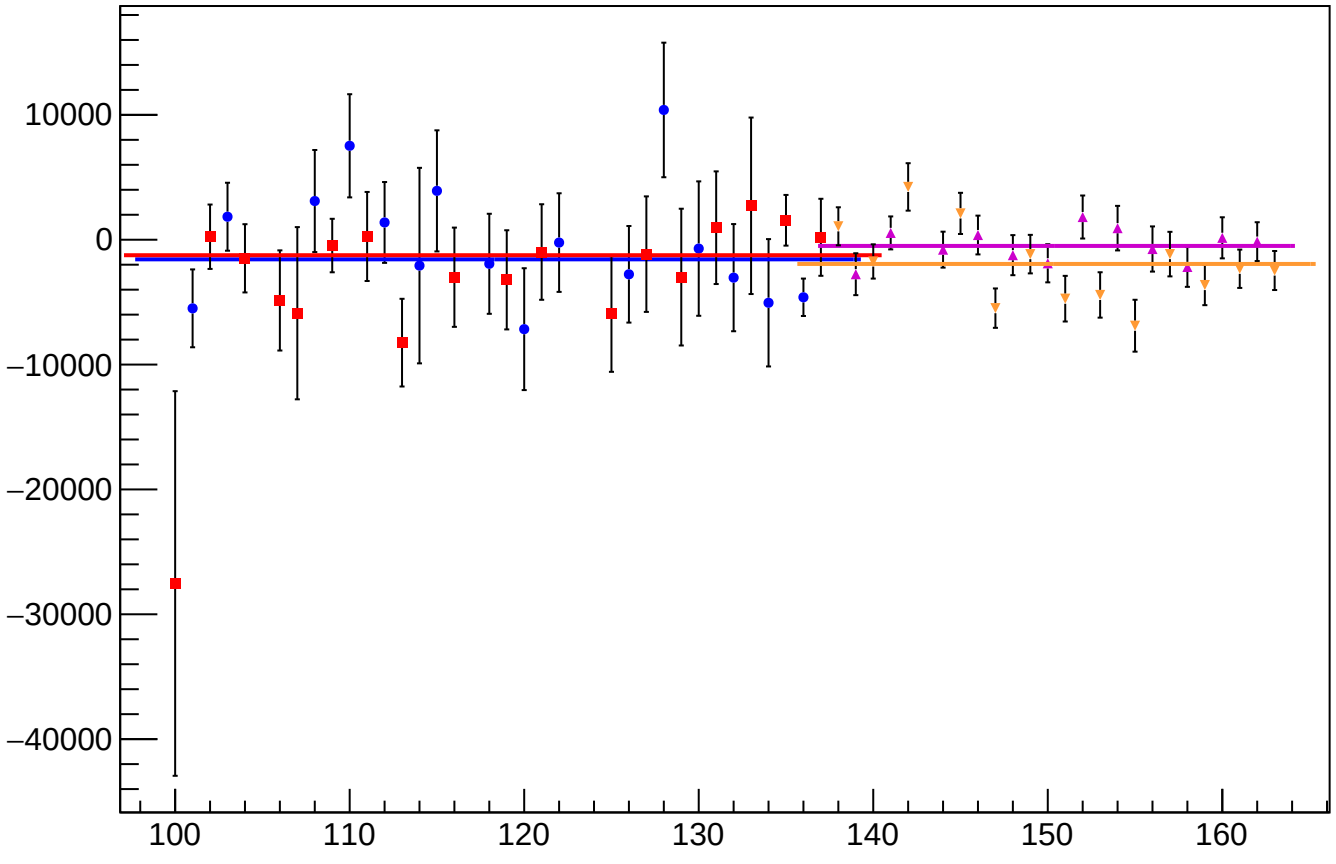
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2198.545+/-0.483 χ^2/NDF:27656.2/11

+ sign 2167.826+/-0.366 χ^2/NDF: 211244.5/28

All: 2166.068+/-0.259 χ^2/NDF: 414398.6/58

- sign 2164.306+/-0.367 χ^2/NDF: 203108.0/29



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1940.337+/-456.701 χ^2/NDF:37.1/12

Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

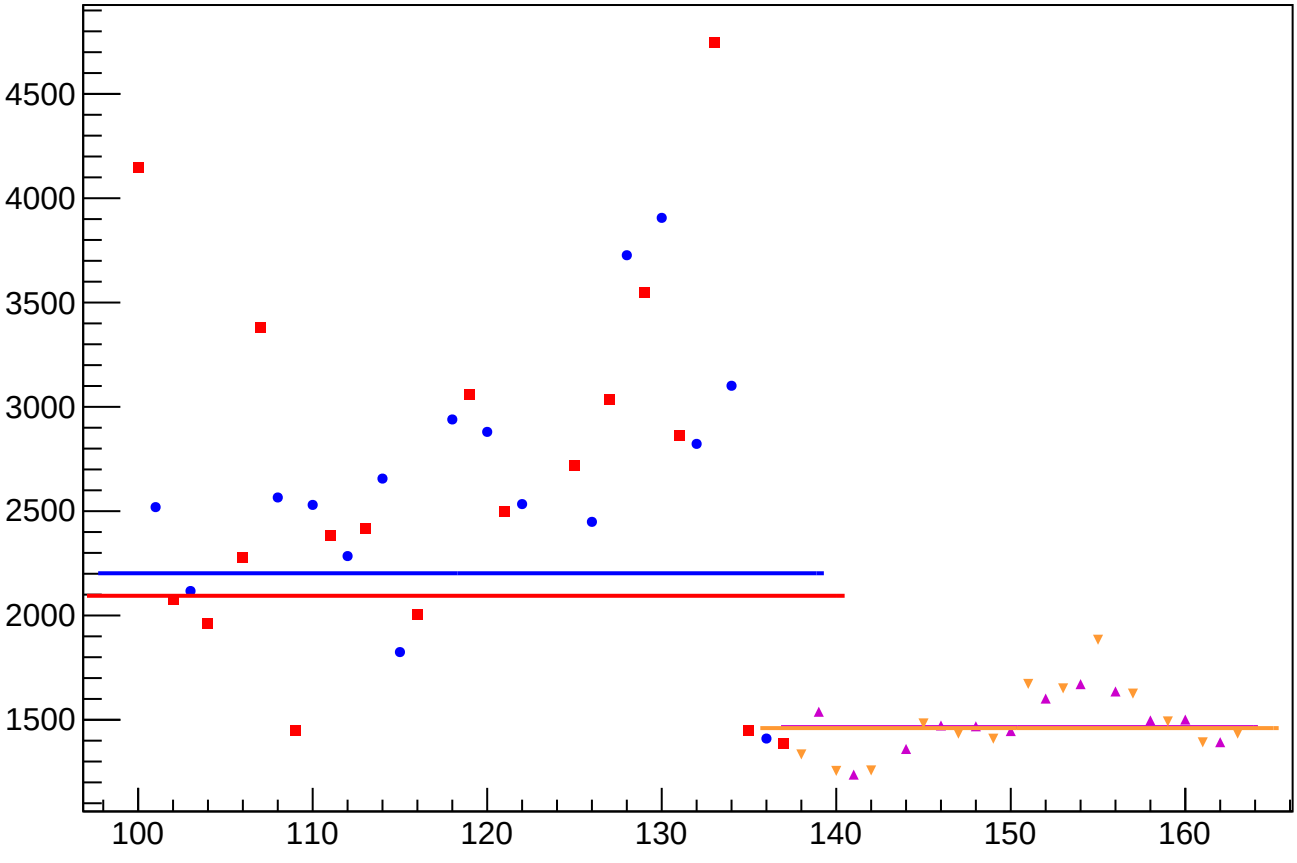
Left In: -496.254+/-457.608 χ^2/NDF:7.6/11

+ sign -1859.072+/-403.329 χ^2/NDF: 59.9/28

All: -1260.578+/-283.858 χ^2/NDF: 85.5/58

- sign -673.187+/-399.570 χ^2/NDF: 21.3/29

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1460.215+/-0.323 χ^2/NDF:238644.6/12

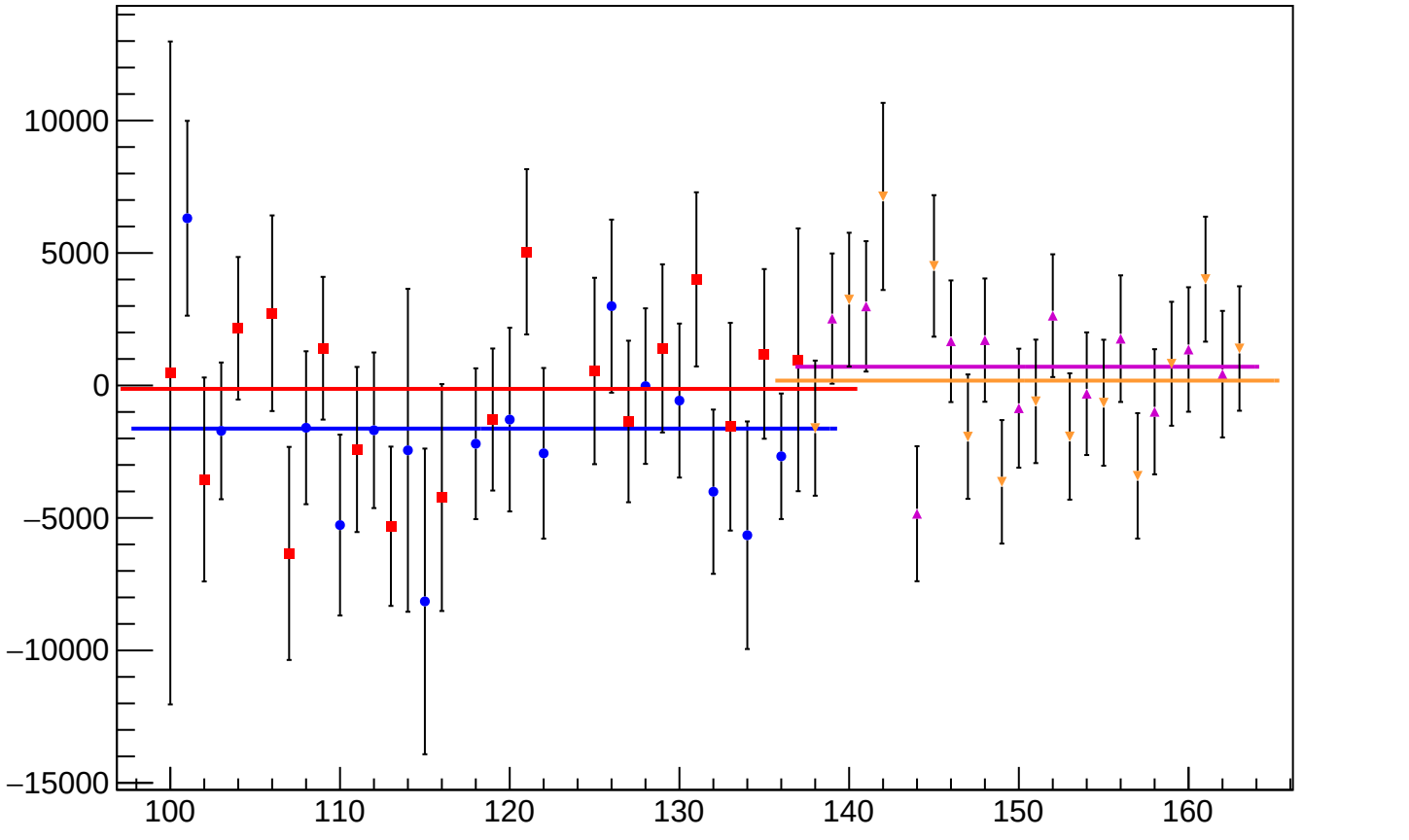
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1465.139+/-0.324 χ^2/NDF:137499.7/11

+ sign 1623.546+/-0.285 χ^2/NDF: 2623952.9/28

All: 1619.054+/-0.201 χ^2/NDF: 5034213.6/58

- sign 1614.645+/-0.283 χ^2/NDF: 2409769.0/29



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 183.482+/-681.094 χ^2/NDF:18.3/12

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

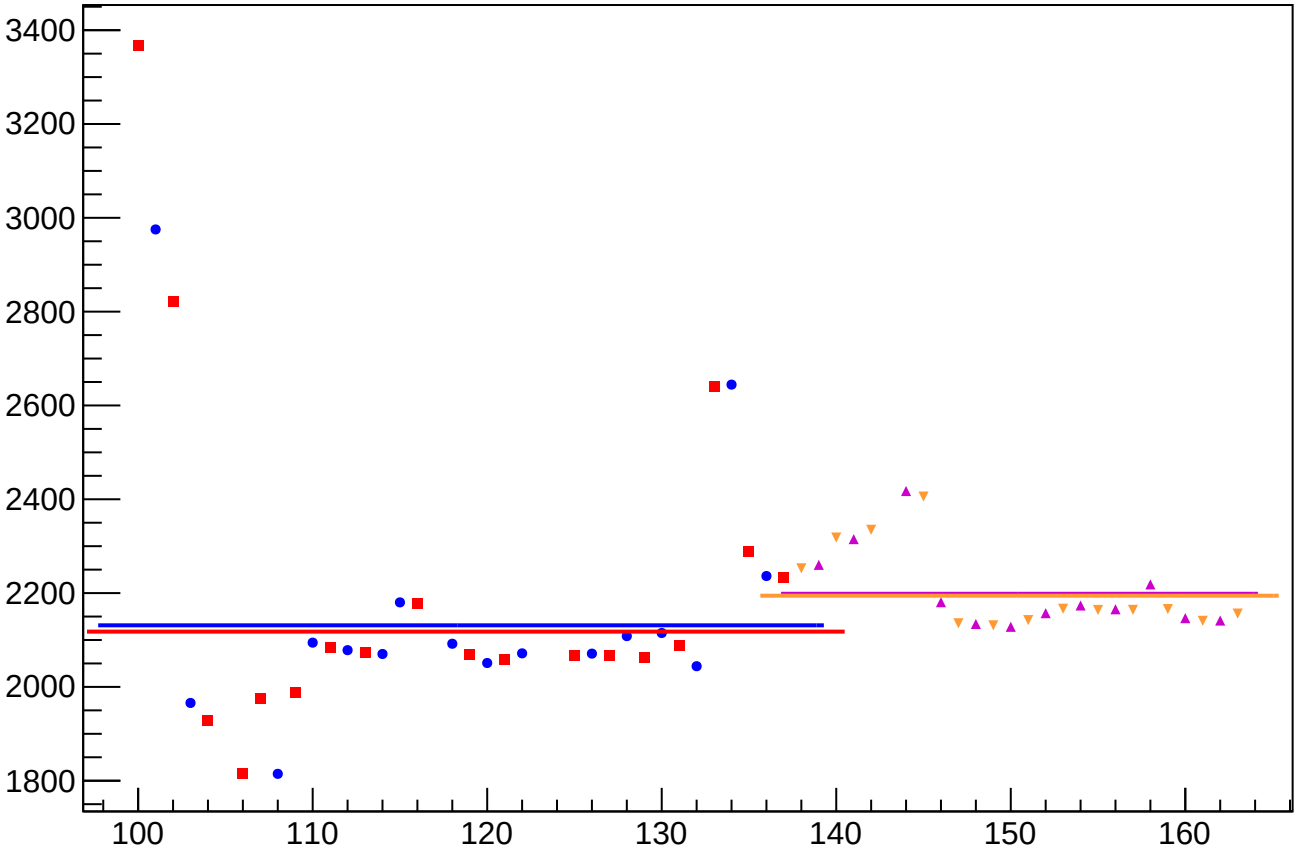
Left In: 706.569+/-683.412 χ^2/NDF:8.7/11

+ sign -579.855+/-518.047 χ^2/NDF: 32.6/28

All: -114.159+/-366.473 χ^2/NDF: 58.1/58

- sign 352.341+/-518.495 χ^2/NDF: 23.9/29

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: 2194.438+/-0.482 χ^2/NDF:28057.1/12

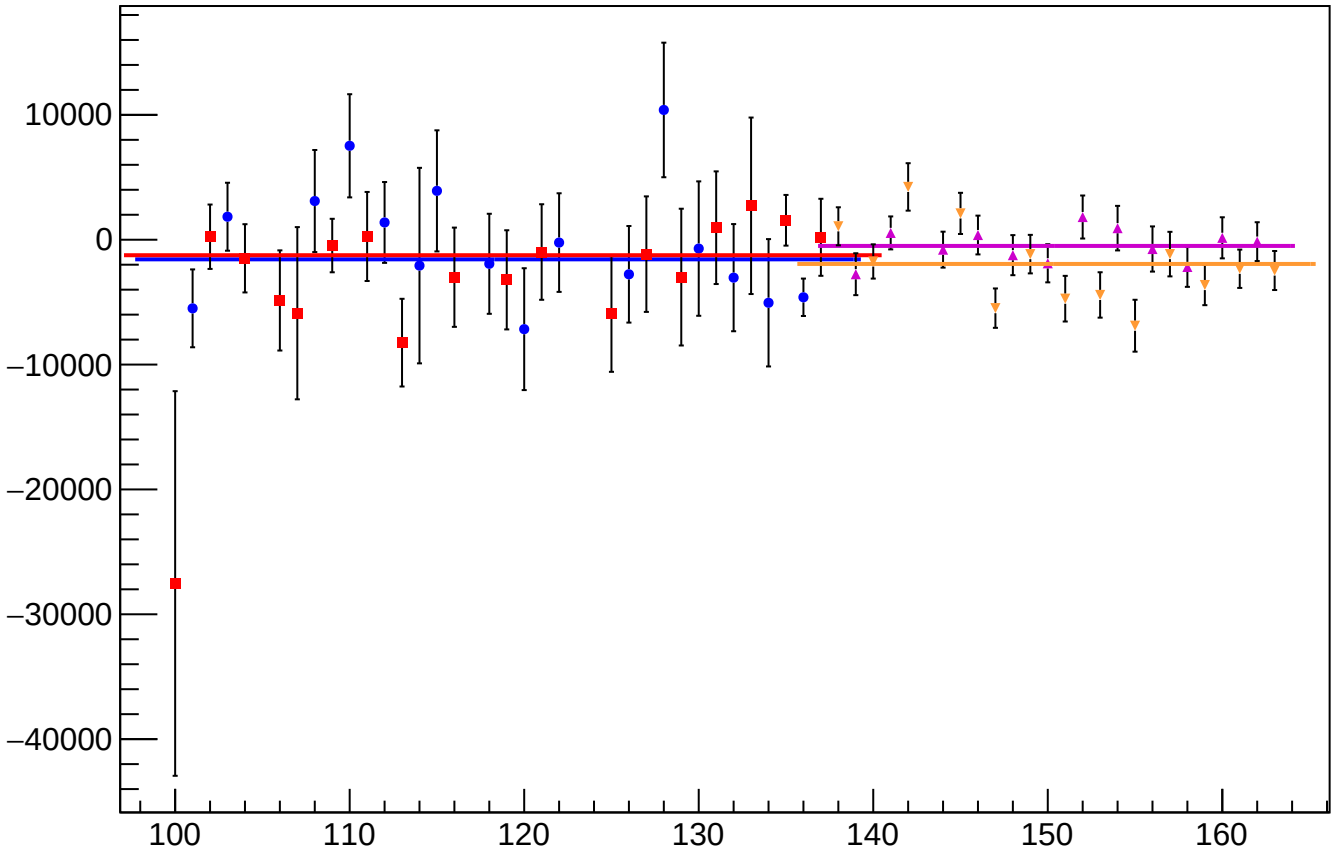
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2198.545+/-0.483 χ^2/NDF:27656.3/11

+ sign 2167.826+/-0.366 χ^2/NDF: 211244.6/28

All: 2166.067+/-0.259 χ^2/NDF: 414398.7/58

- sign 2164.306+/-0.367 χ^2/NDF: 203107.9/29



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1940.346+/-456.702 χ^2/NDF:37.1/12

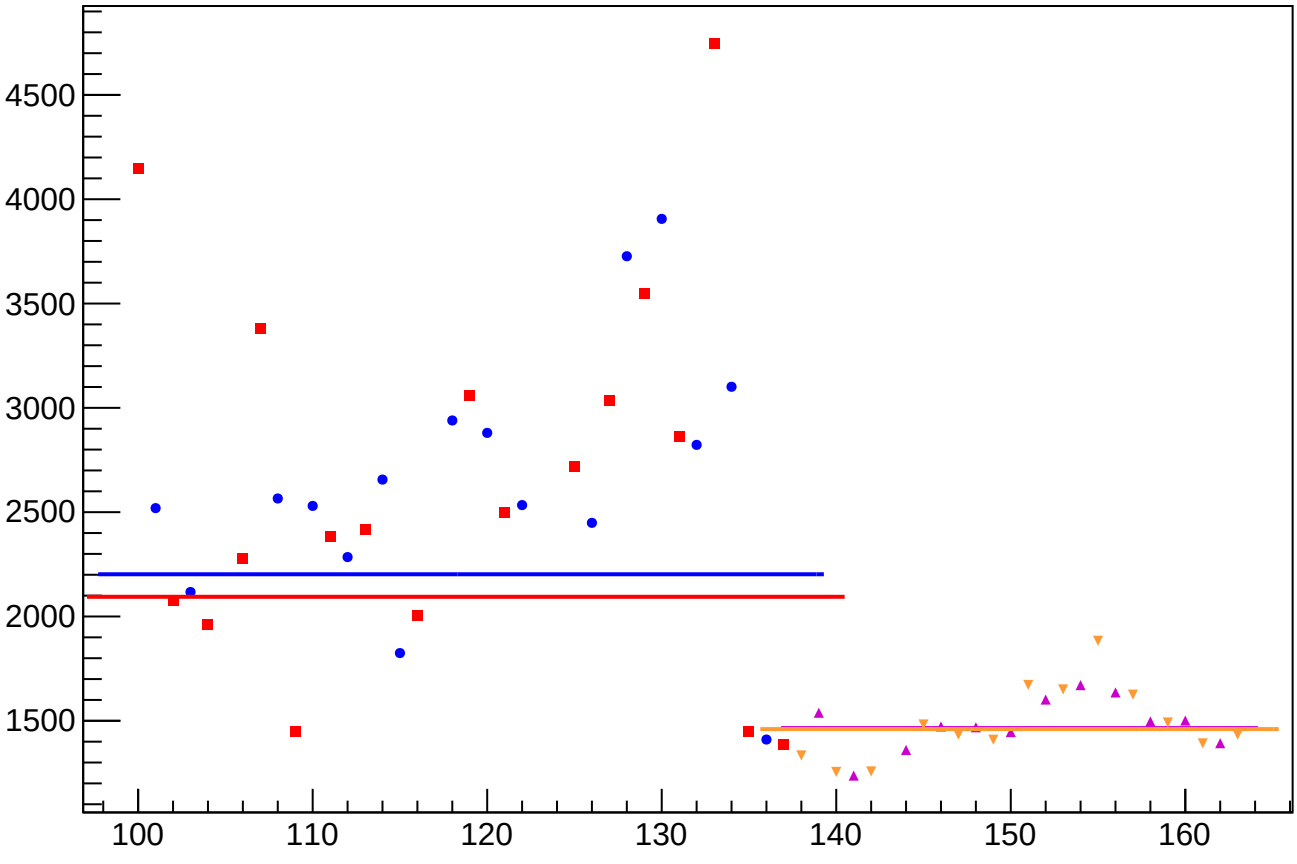
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -496.251+/-457.608 χ^2/NDF:7.6/11

+ sign -1859.076+/-403.329 χ^2/NDF: 59.9/28

All: -1260.580+/-283.859 χ^2/NDF: 85.5/58

- sign -673.188+/-399.571 χ^2/NDF: 21.3/29



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1460.217+/-0.323 χ^2/NDF:238636.0/12

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

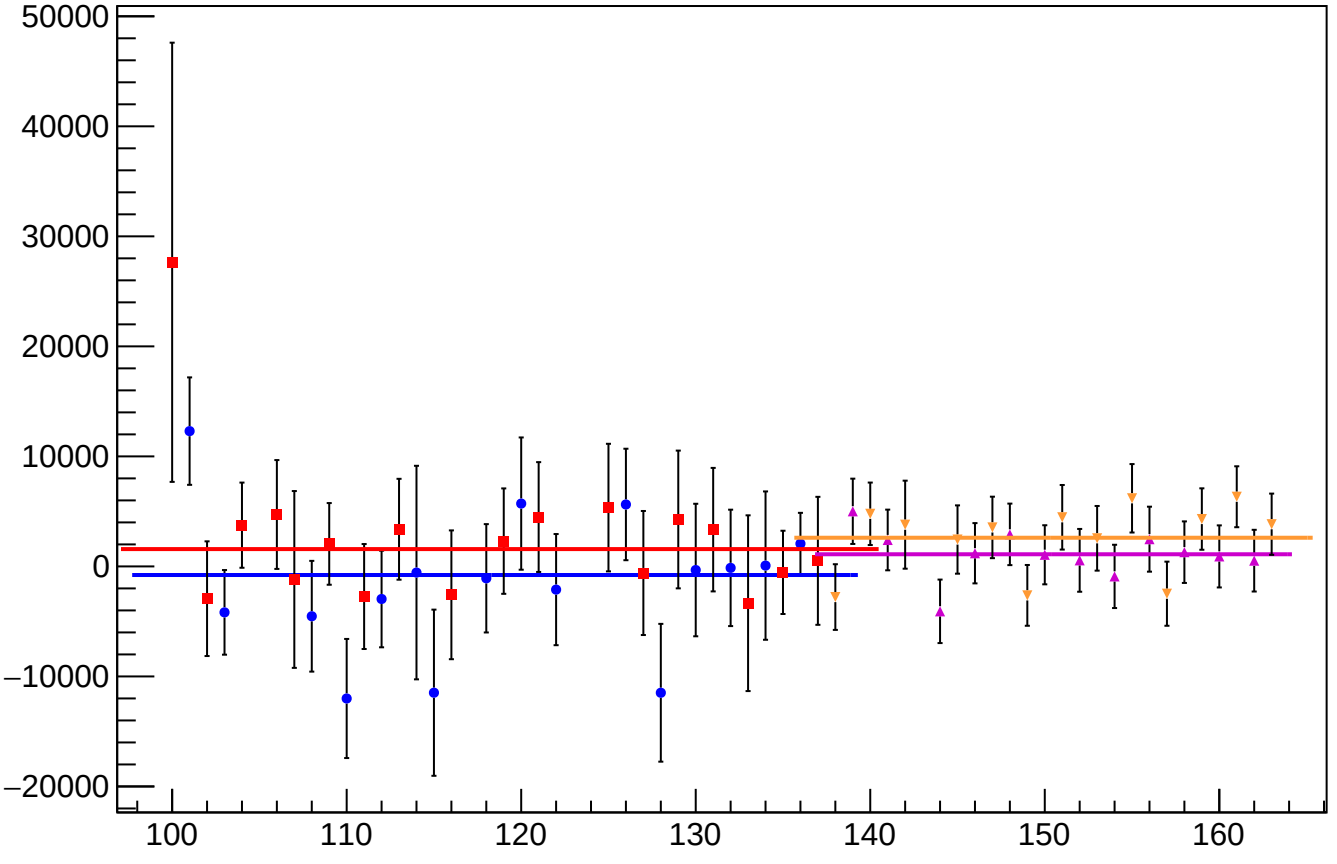
Left In: 1465.140+/-0.324 χ^2/NDF:137502.2/11

\+ sign 1623.550+/-0.285 χ^2/NDF: 2623910.3/28

All: 1619.057+/-0.201 χ^2/NDF: 5034153.3/58

\- sign 1614.648+/-0.283 χ^2/NDF: 2409751.3/29

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2605.901+/-815.778 χ^2/NDF:14.8/12

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

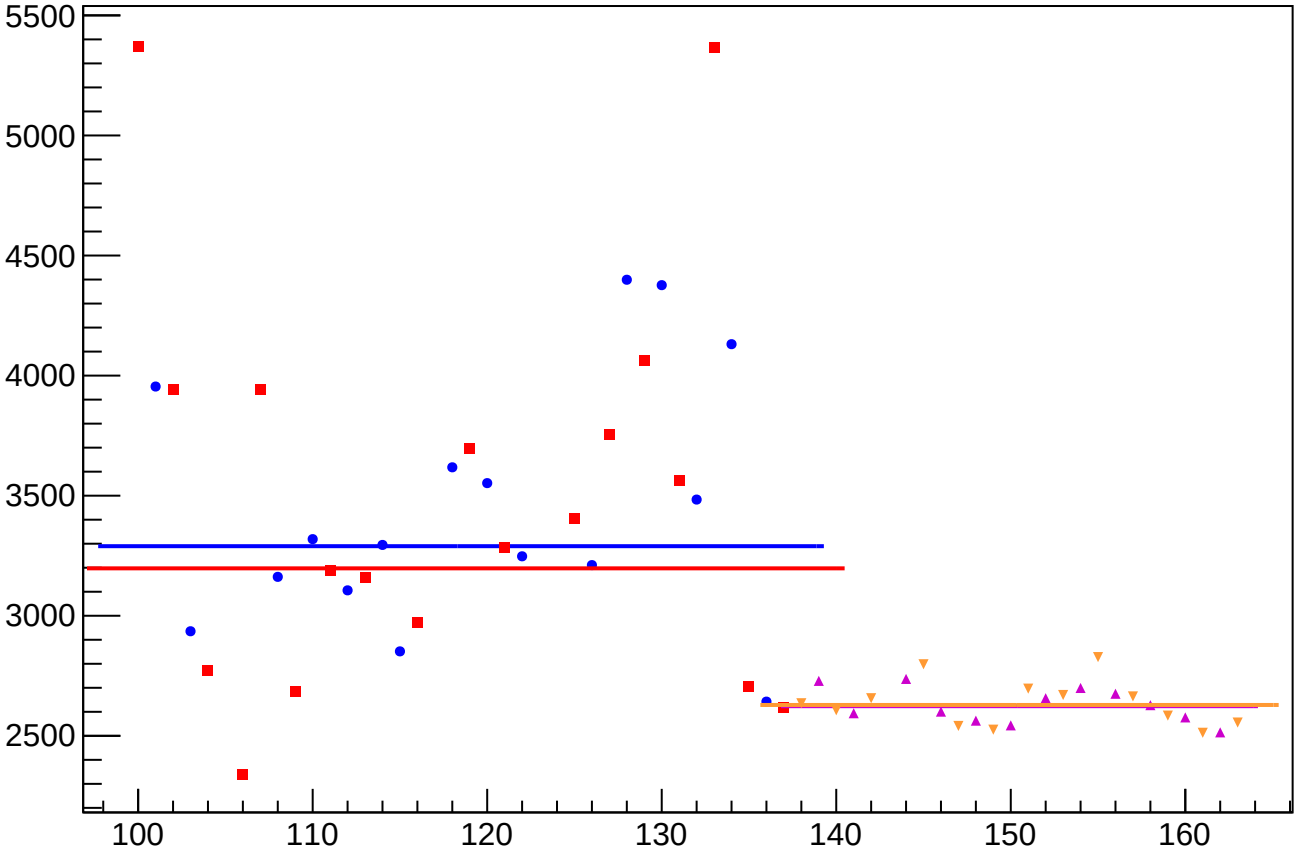
Left In: 1104.214+/-815.383 χ^2/NDF:6.4/11

\+ sign 1584.594+/-681.801 χ^2/NDF: 41.9/28

All: 1416.119+/-480.662 χ^2/NDF: 55.3/58

\- sign 1249.647+/-677.735 χ^2/NDF: 13.2/29

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2628.495+/-0.577 χ^2/NDF:26293.5/12

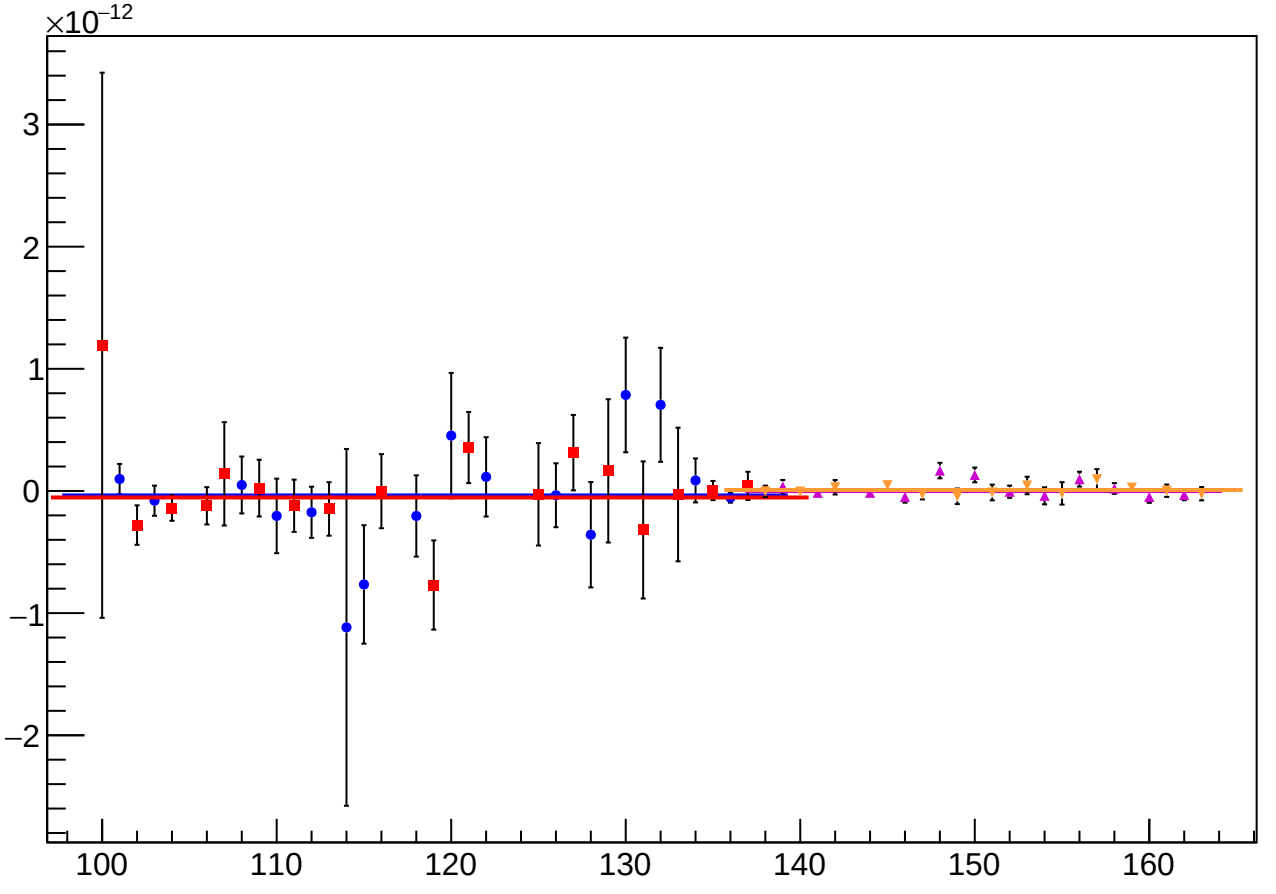
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2623.432+/-0.577 χ^2/NDF:14535.6/11

+ sign 2827.840+/-0.482 χ^2/NDF: 770001.3/28

All: 2814.268+/-0.340 χ^2/NDF: 1592379.4/58

- sign 2800.858+/-0.479 χ^2/NDF: 820802.7/29



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/12

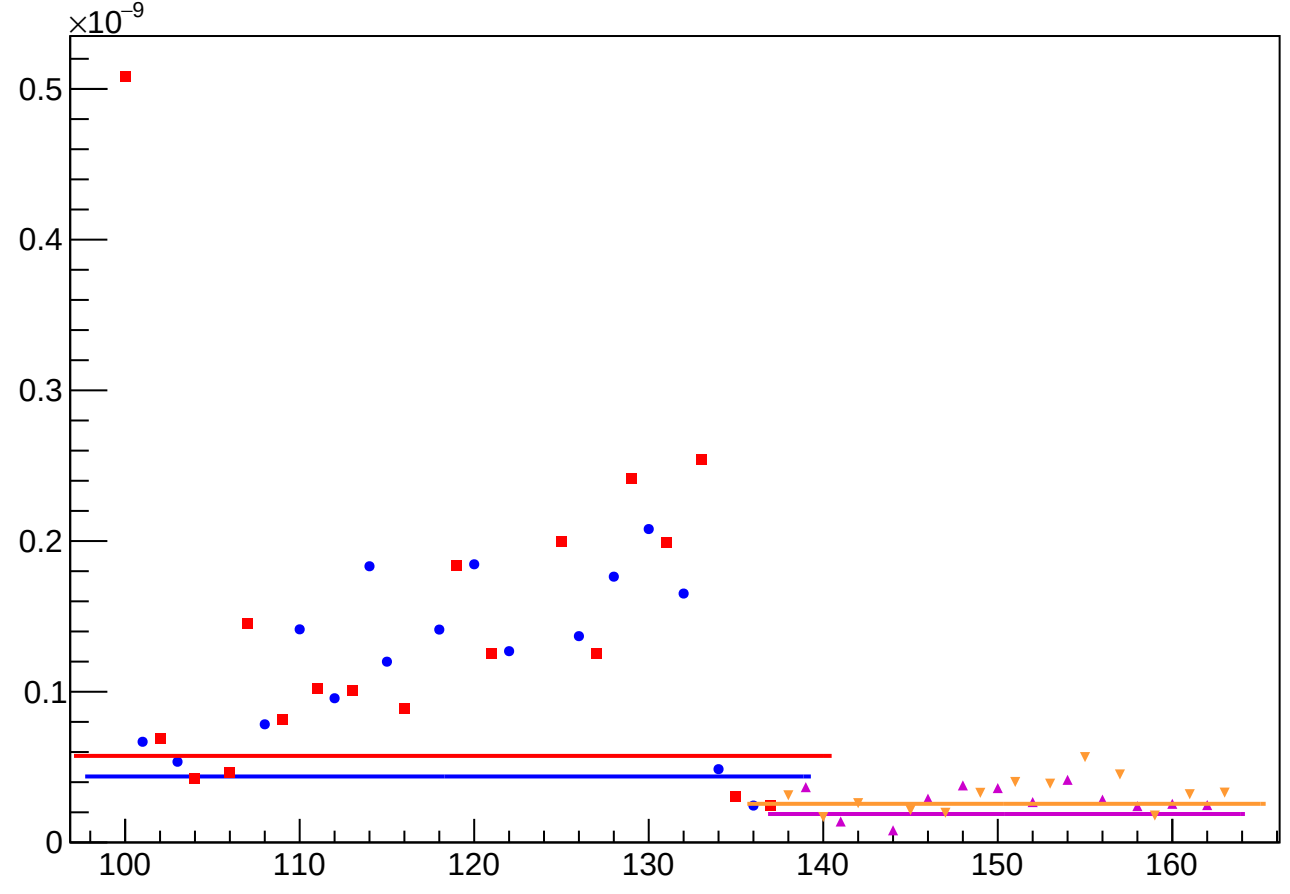
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:18.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 19.7/28

All: -0.000+/-0.000 χ^2/NDF: 52.4/58

- sign -0.000+/-0.000 χ^2/NDF: 32.6/29



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:957120.2/12

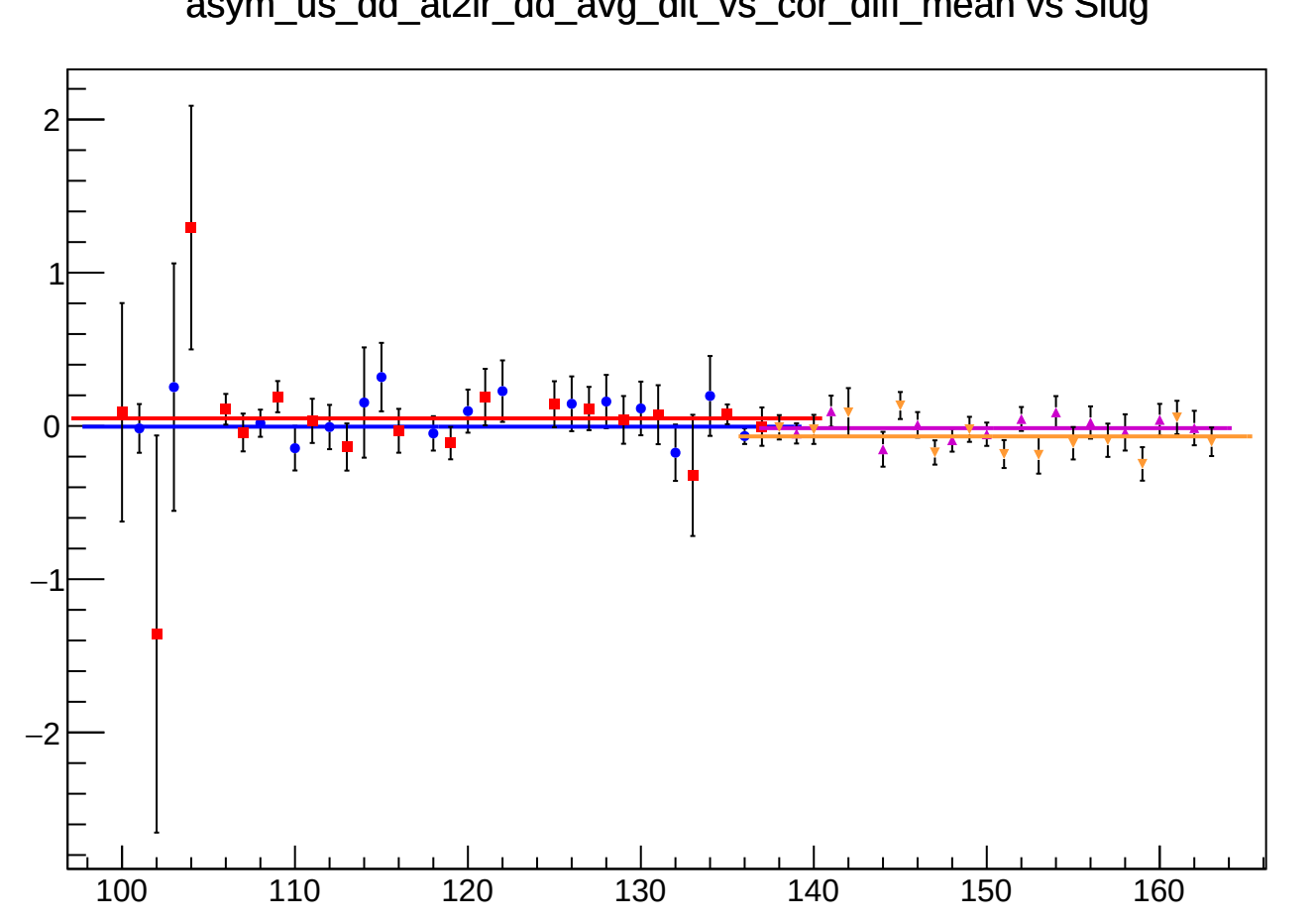
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1852727.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 3668937.9/28

All: 0.000+/-0.000 χ^2/NDF: 9421373.8/58

- sign 0.000+/-0.000 χ^2/NDF: 5421899.5/29



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.068+/-0.027 χ^2/NDF:16.0/12

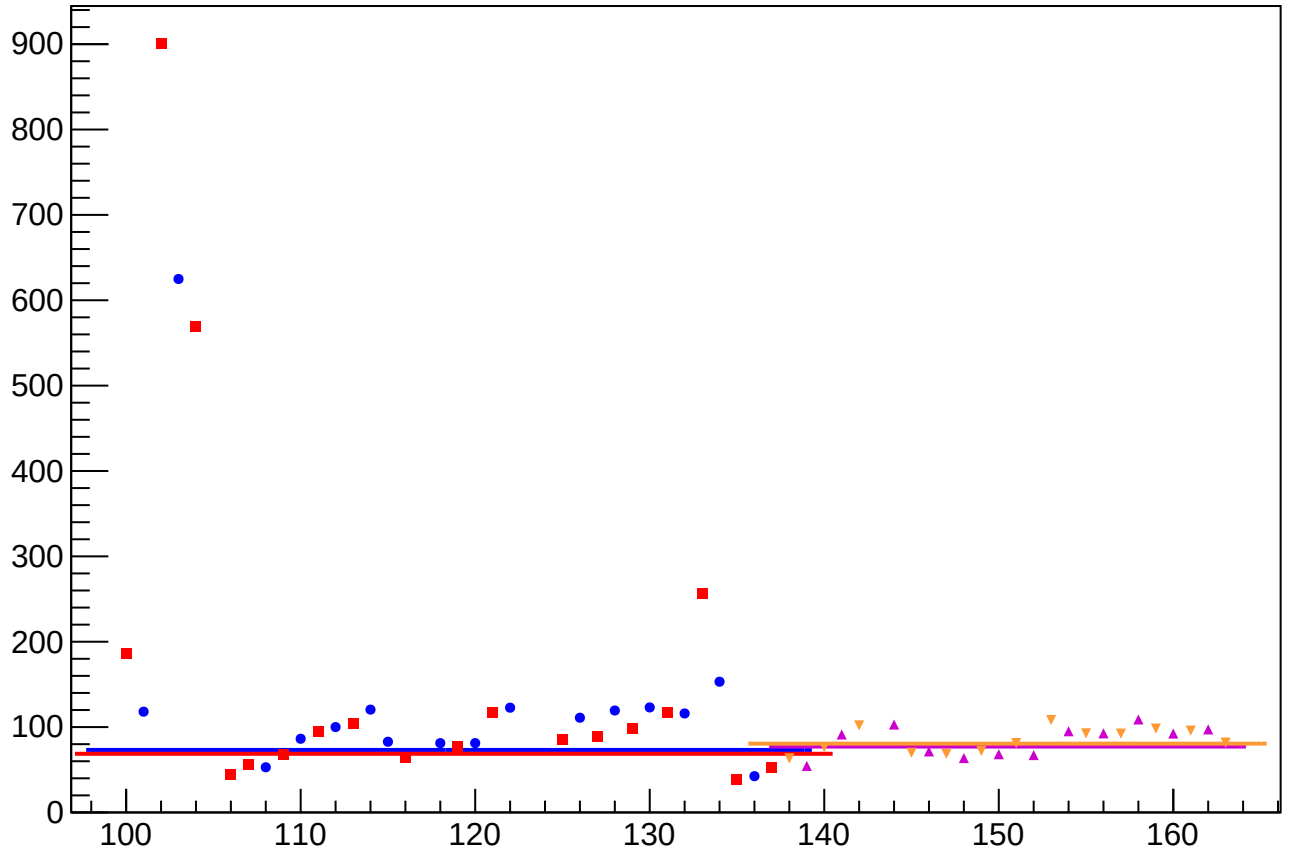
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.014+/-0.026 χ^2/NDF:6.4/11

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.015+/-0.014 χ^2/NDF: 53.9/58

- sign 0.011+/-0.020 χ^2/NDF: 21.8/29



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.615+/-0.019 χ^2/NDF:474445.7/12

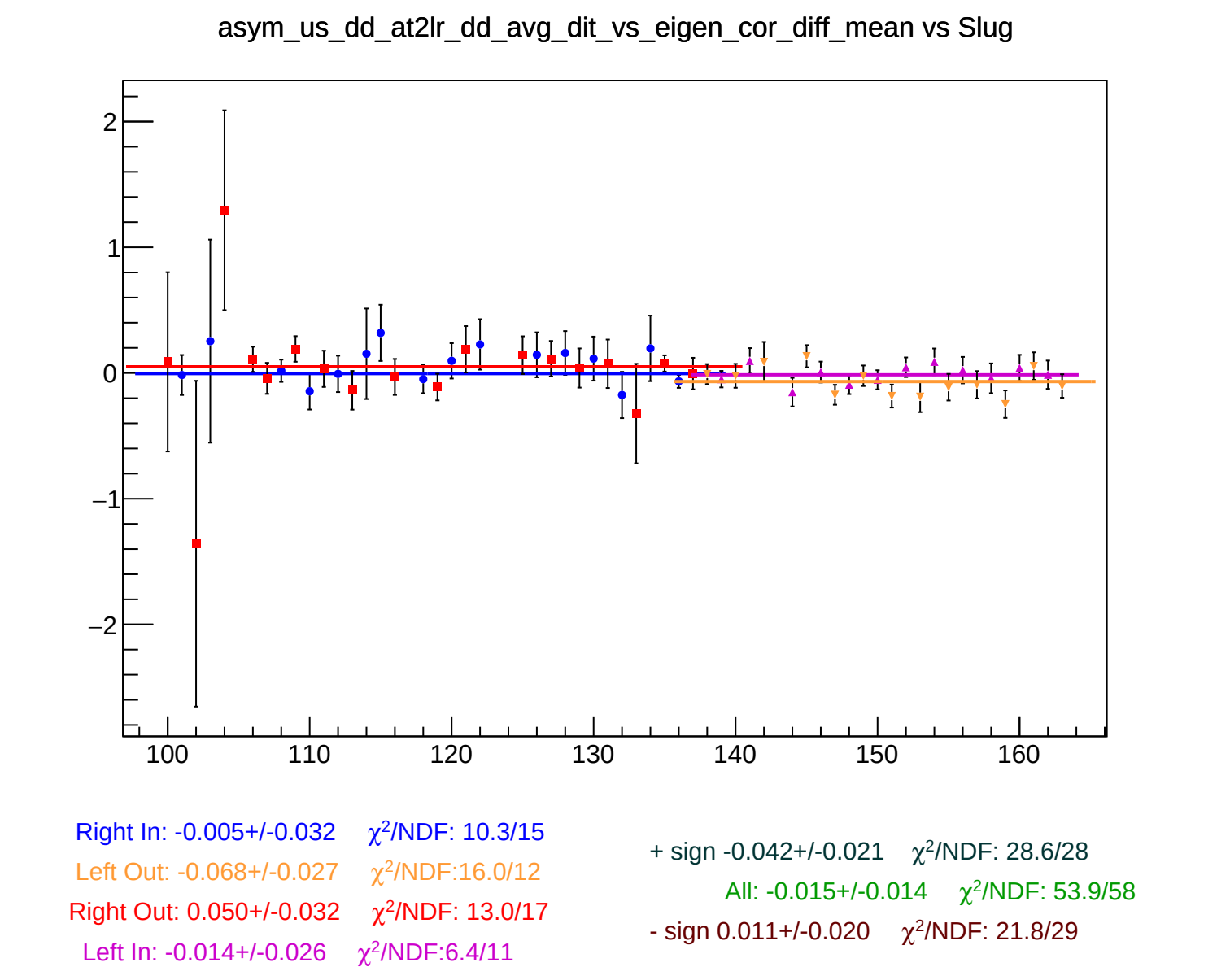
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 77.190+/-0.018 χ^2/NDF:866586.5/11

+ sign 77.596+/-0.015 χ^2/NDF: 3391036.0/28

All: 75.643+/-0.010 χ^2/NDF: 7709971.0/58

- sign 73.793+/-0.014 χ^2/NDF: 4283956.8/29


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
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110
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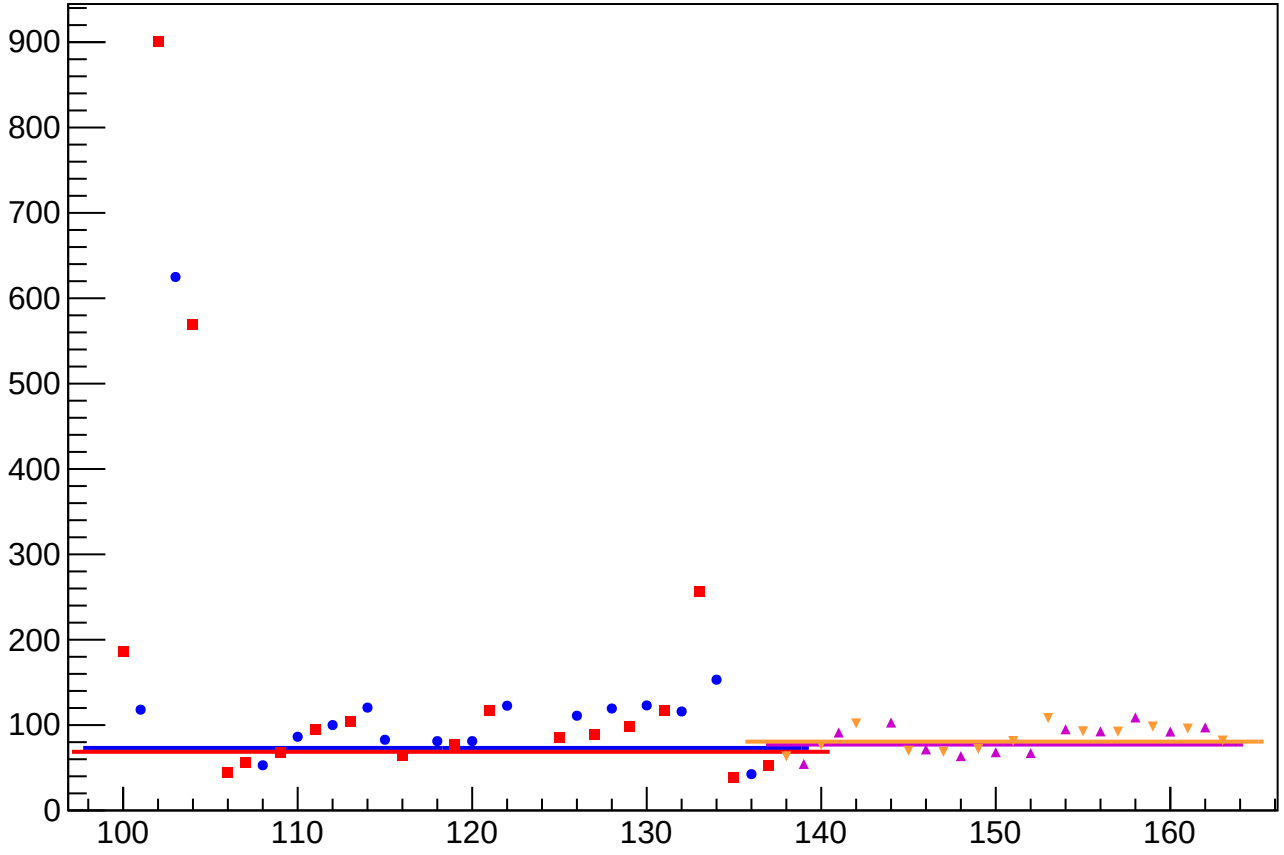
130
140
150
160
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.068+/-0.027 χ²/NDF:16.0/12
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.026 χ²/NDF:6.4/11
+ sign -0.042+/-0.021 χ²/NDF: 28.6/28
All: -0.015+/-0.014 χ²/NDF: 53.9/58
- sign 0.011+/-0.020 χ²/NDF: 21.8/29

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.615+/-0.019 χ^2/NDF:474445.7/12

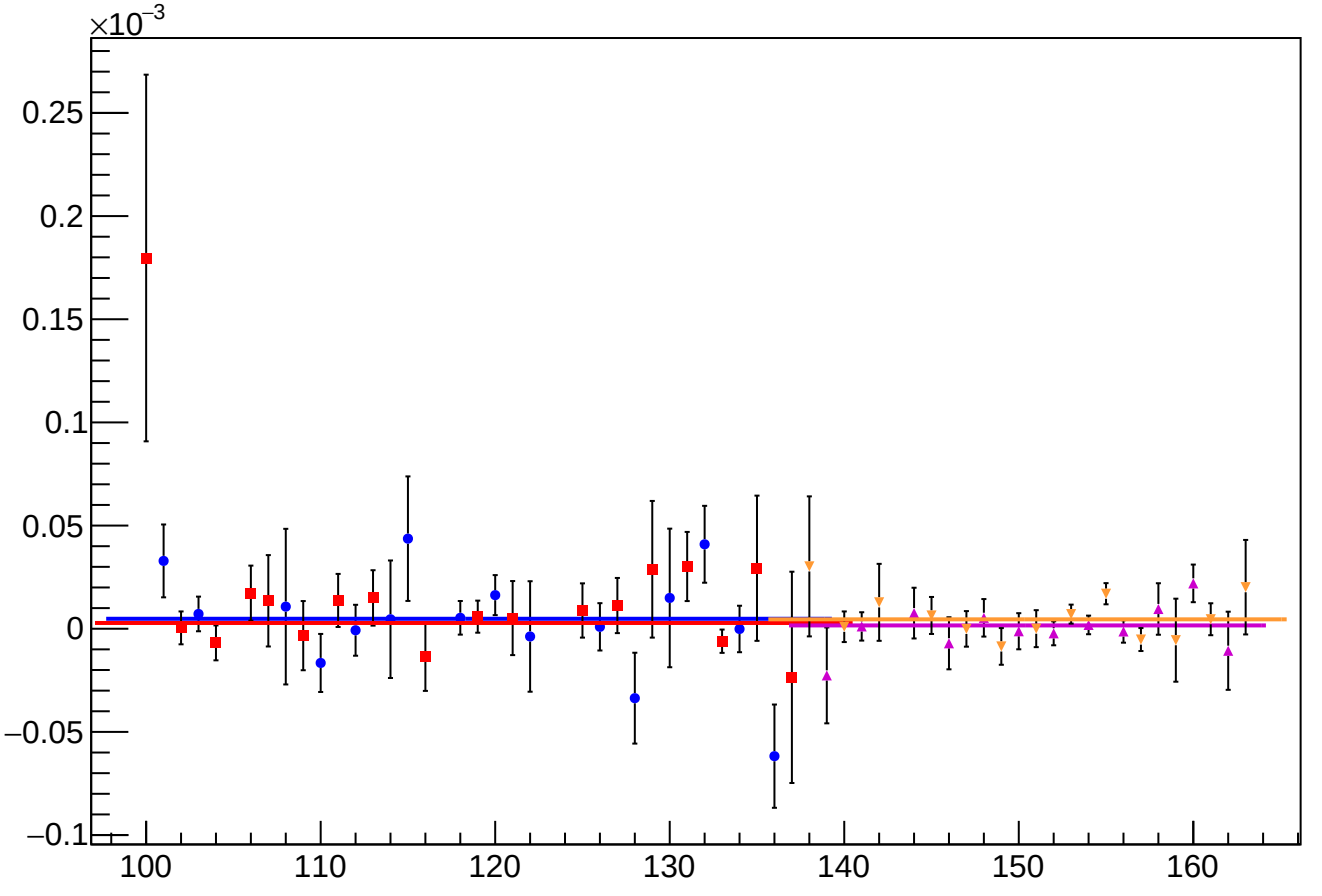
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 77.190+/-0.018 χ^2/NDF:866586.5/11

+ sign 77.596+/-0.015 χ^2/NDF: 3391036.0/28

All: 75.643+/-0.010 χ^2/NDF: 7709971.0/58

- sign 73.793+/-0.014 χ^2/NDF: 4283956.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

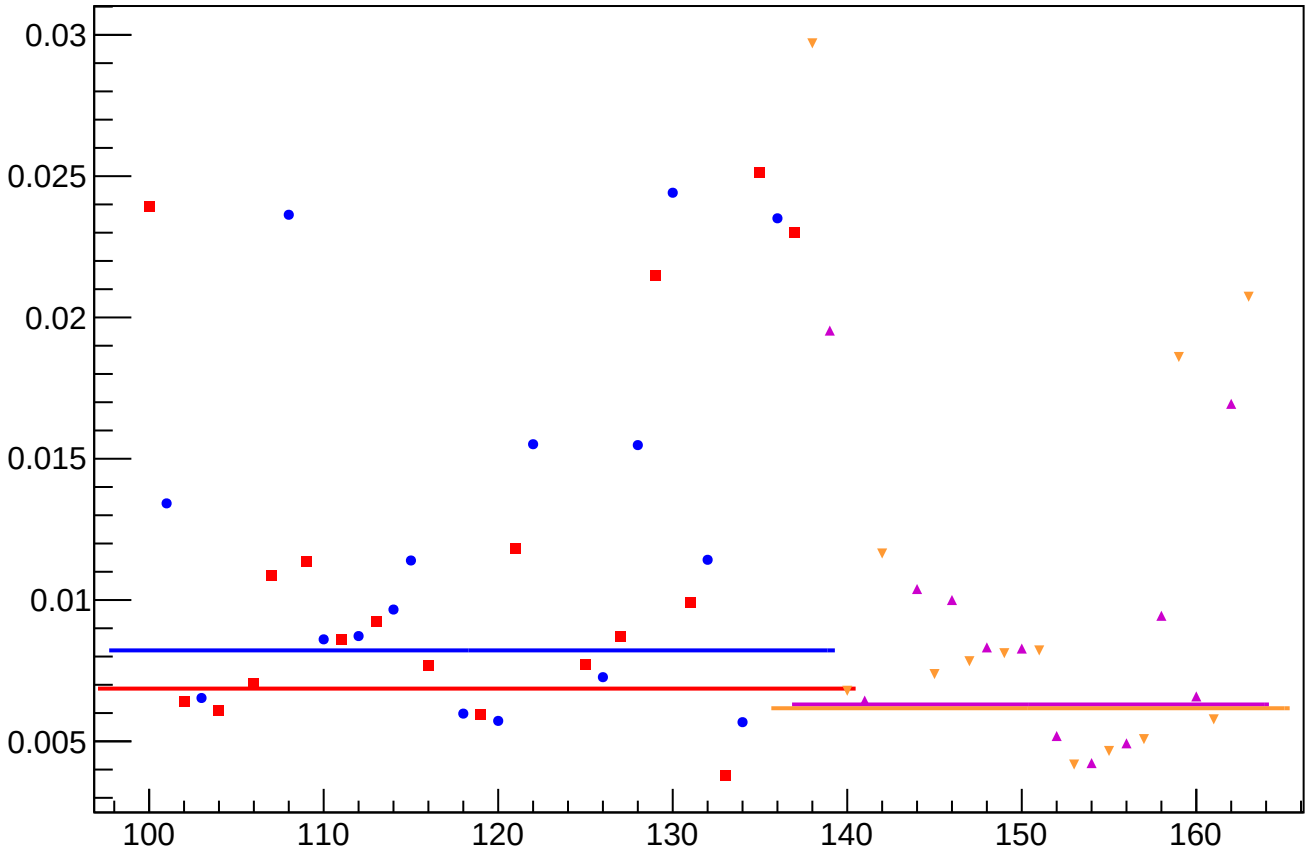
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/28

All: 0.000+/-0.000 χ^2/NDF: 62.8/58

- sign 0.000+/-0.000 χ^2/NDF: 25.5/29



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:3662343.5/12

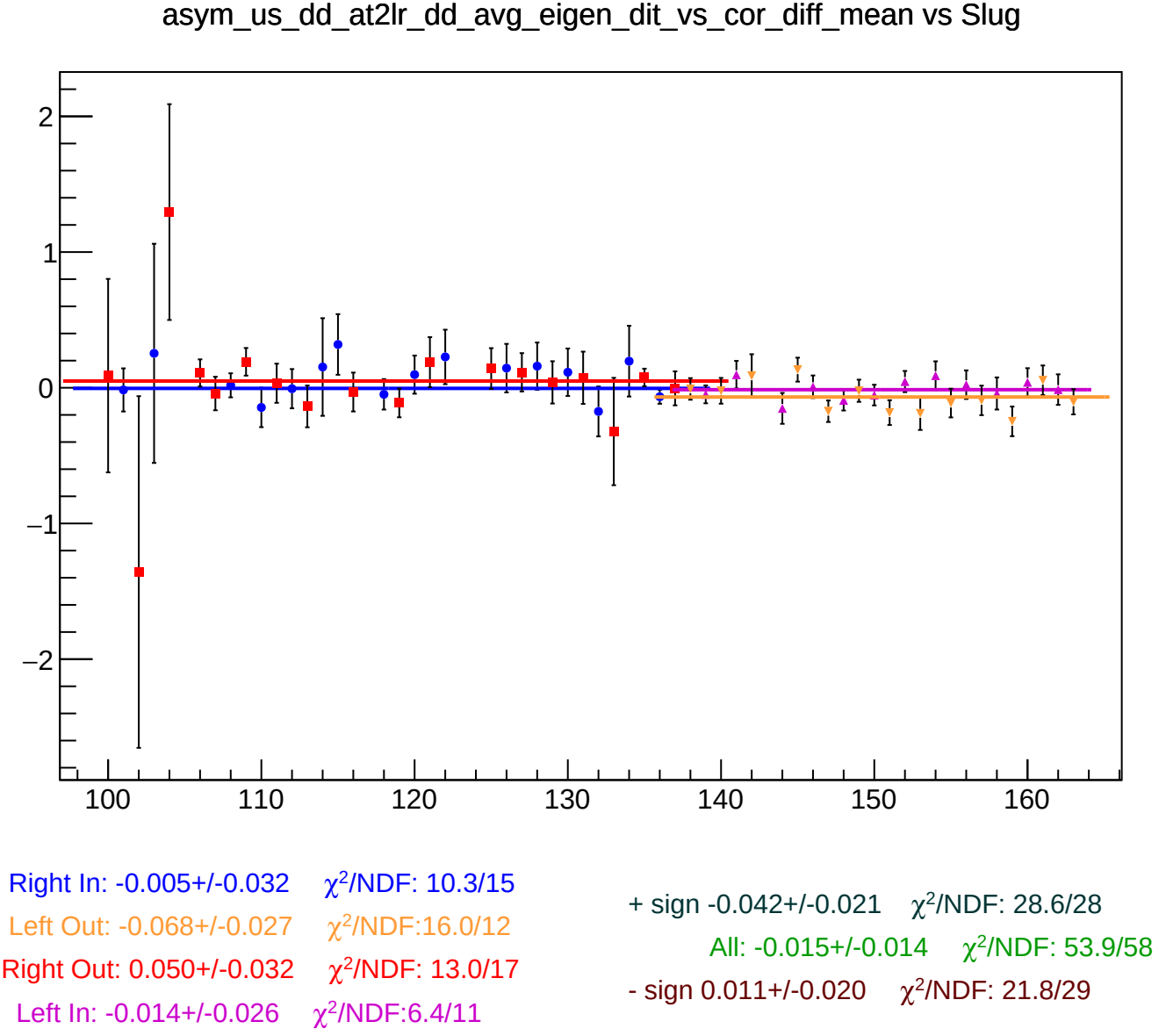
Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2626627.2/11

+ sign 0.007+/-0.000 χ^2/NDF: 6813965.3/28

All: 0.007+/-0.000 χ^2/NDF: 11929859.2/58

- sign 0.007+/-0.000 χ^2/NDF: 5101069.2/29


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
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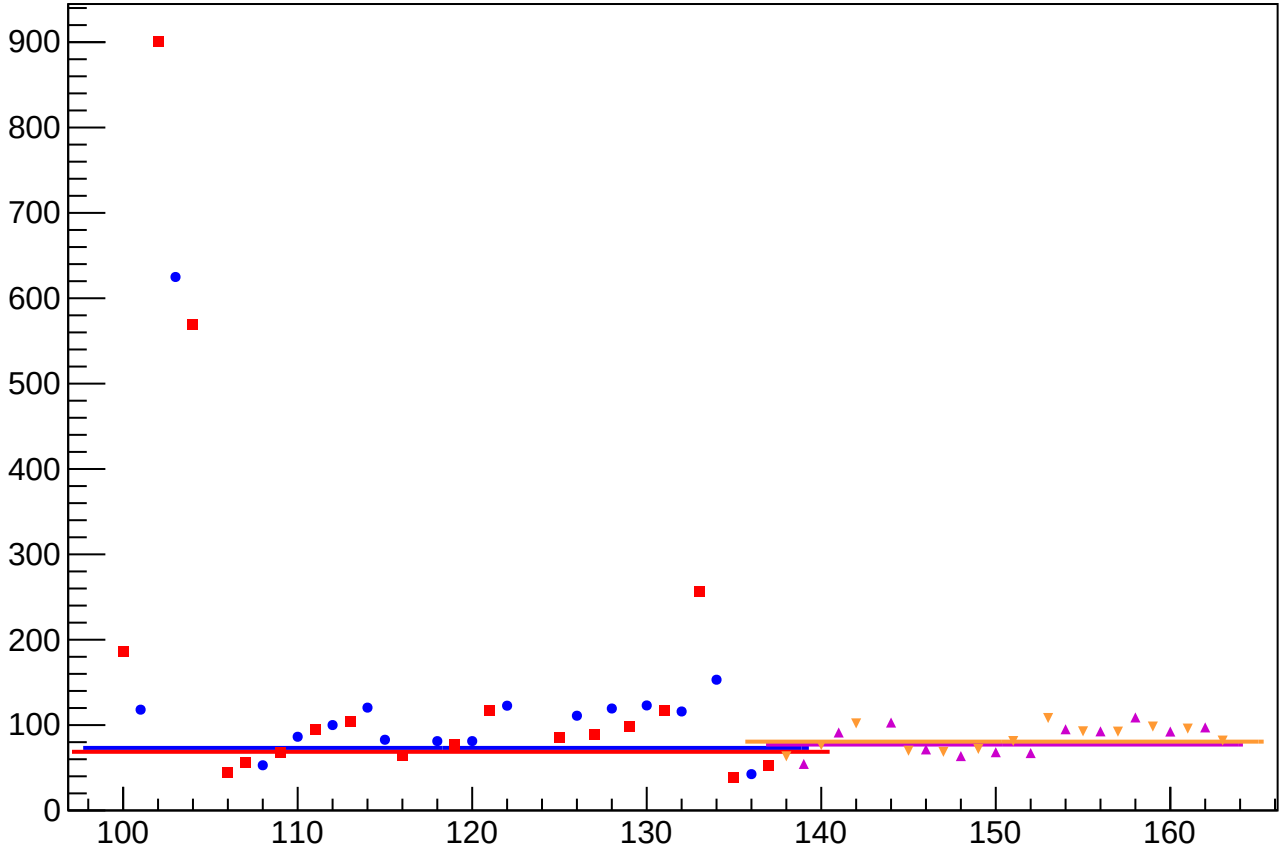
160
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.068+/-0.027 χ²/NDF:16.0/12
Right Out: 0.050+/-0.032 χ²/NDF: 13.0/17
Left In: -0.014+/-0.026 χ²/NDF:6.4/11
+ sign -0.042+/-0.021 χ²/NDF: 28.6/28
All: -0.015+/-0.014 χ²/NDF: 53.9/58
- sign 0.011+/-0.020 χ²/NDF: 21.8/29

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 80.614+/-0.019 χ^2/NDF:474392.9/12

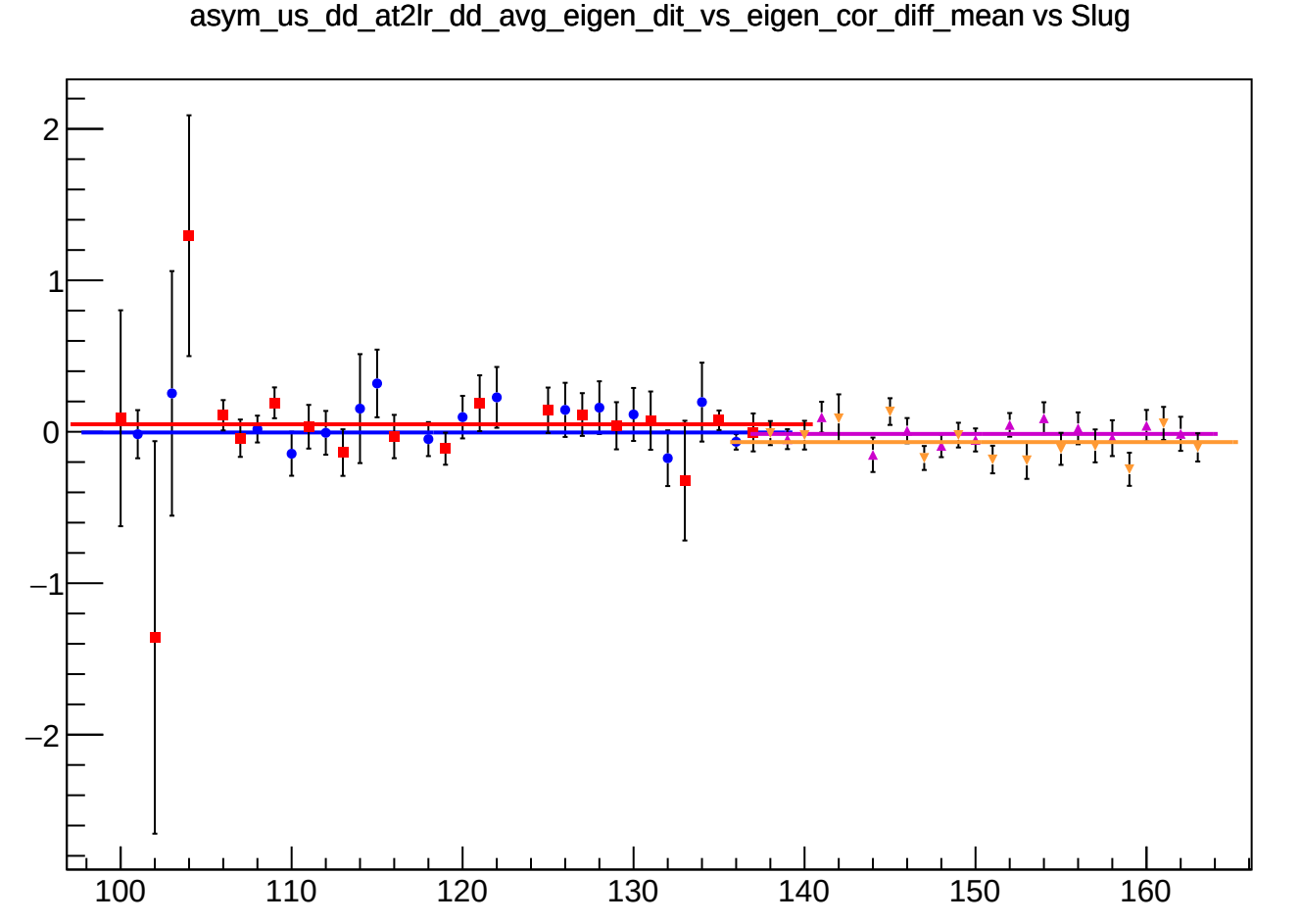
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 77.192+/-0.018 χ^2/NDF:866278.5/11

+ sign 77.606+/-0.015 χ^2/NDF: 3388241.1/28

All: 75.645+/-0.010 χ^2/NDF: 7708402.0/58

- sign 73.789+/-0.014 χ^2/NDF: 4284920.5/29



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

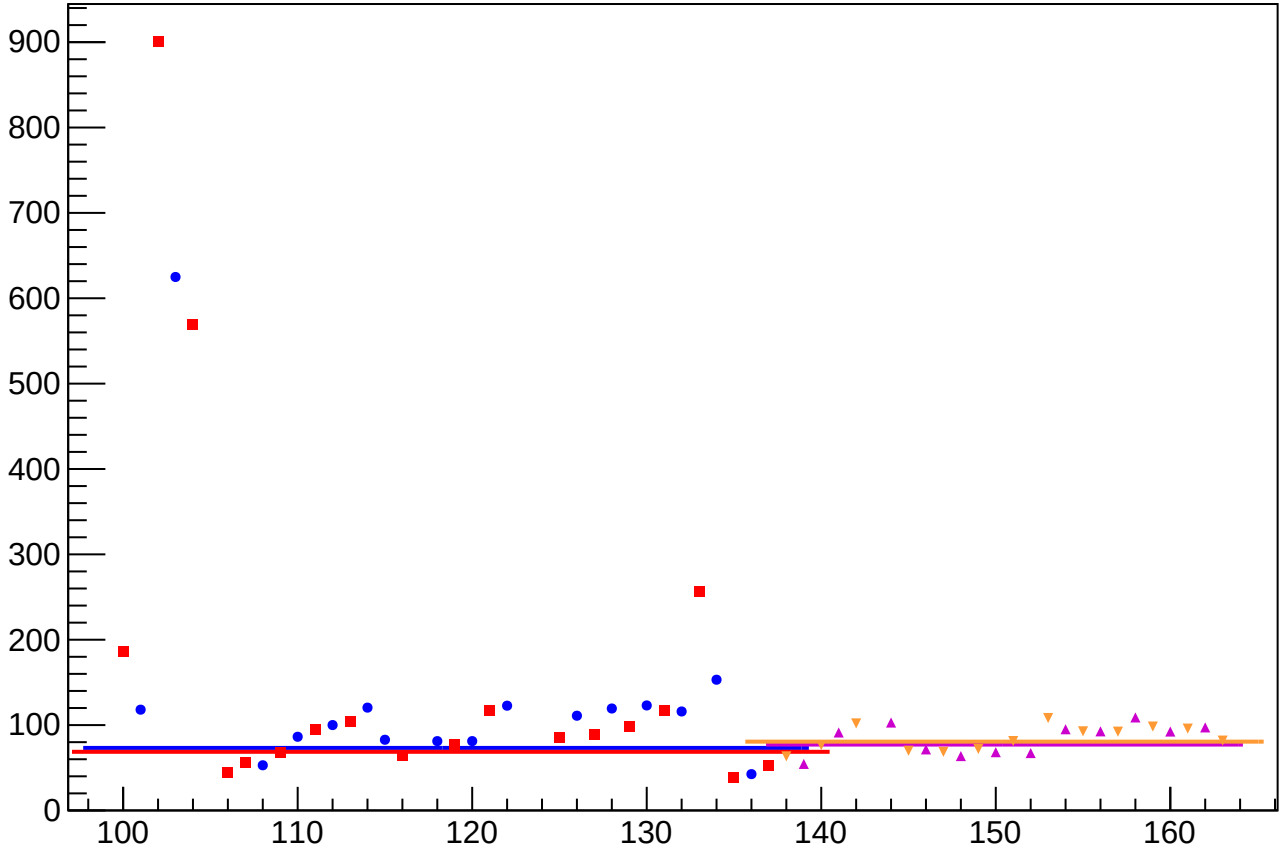
Left In: -0.014+/-0.026 χ^2/NDF:6.4/11

+ sign -0.042+/-0.021 χ^2/NDF: 28.6/28

All: -0.015+/-0.014 χ^2/NDF: 53.9/58

- sign 0.011+/-0.020 χ^2/NDF: 21.8/29

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 80.614+/-0.019 χ^2/NDF:474392.9/12

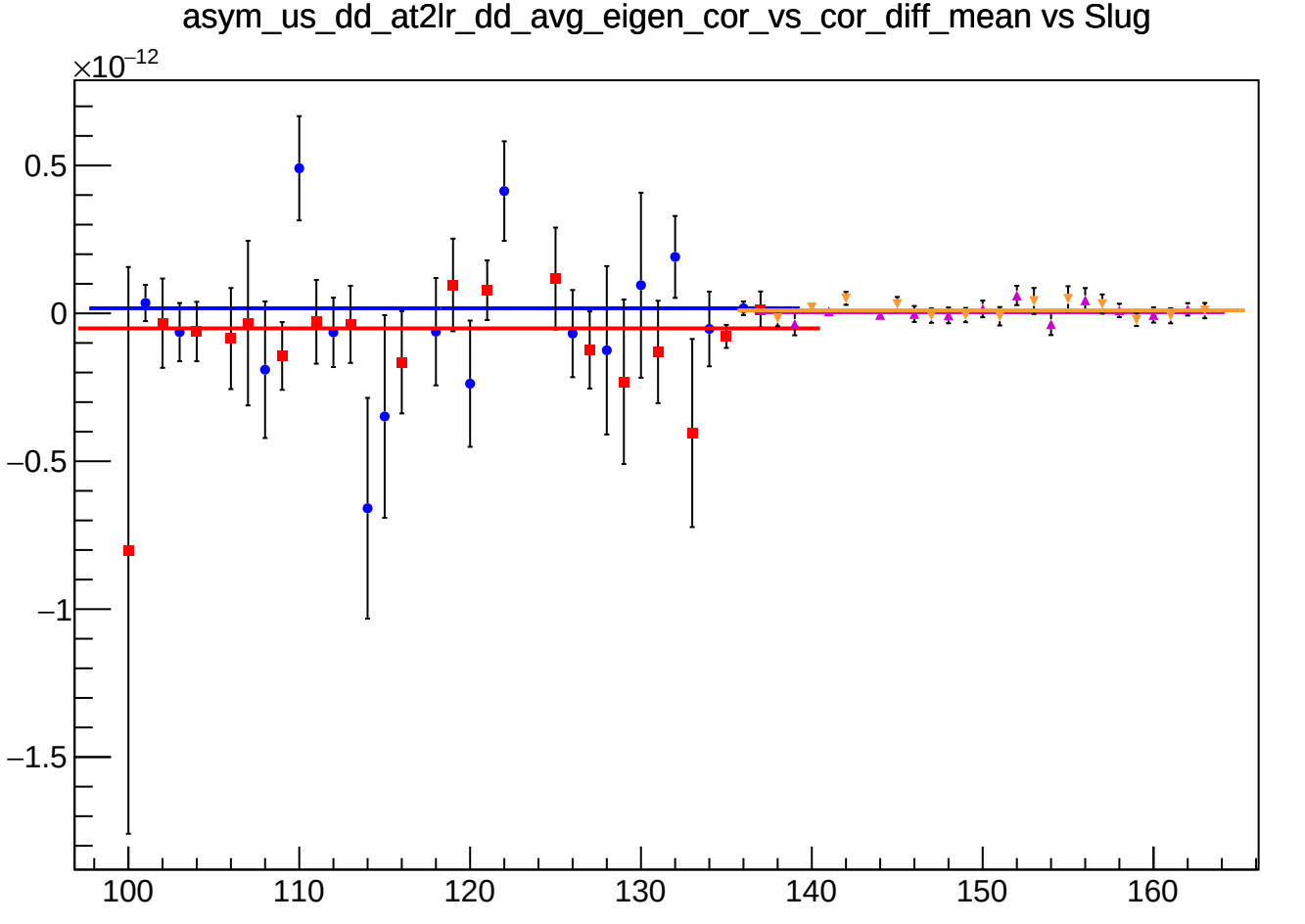
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 77.192+/-0.018 χ^2/NDF:866278.5/11

+ sign 77.606+/-0.015 χ^2/NDF: 3388241.1/28

All: 75.645+/-0.010 χ^2/NDF: 7708402.0/58

- sign 73.789+/-0.014 χ^2/NDF: 4284920.5/29



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/12

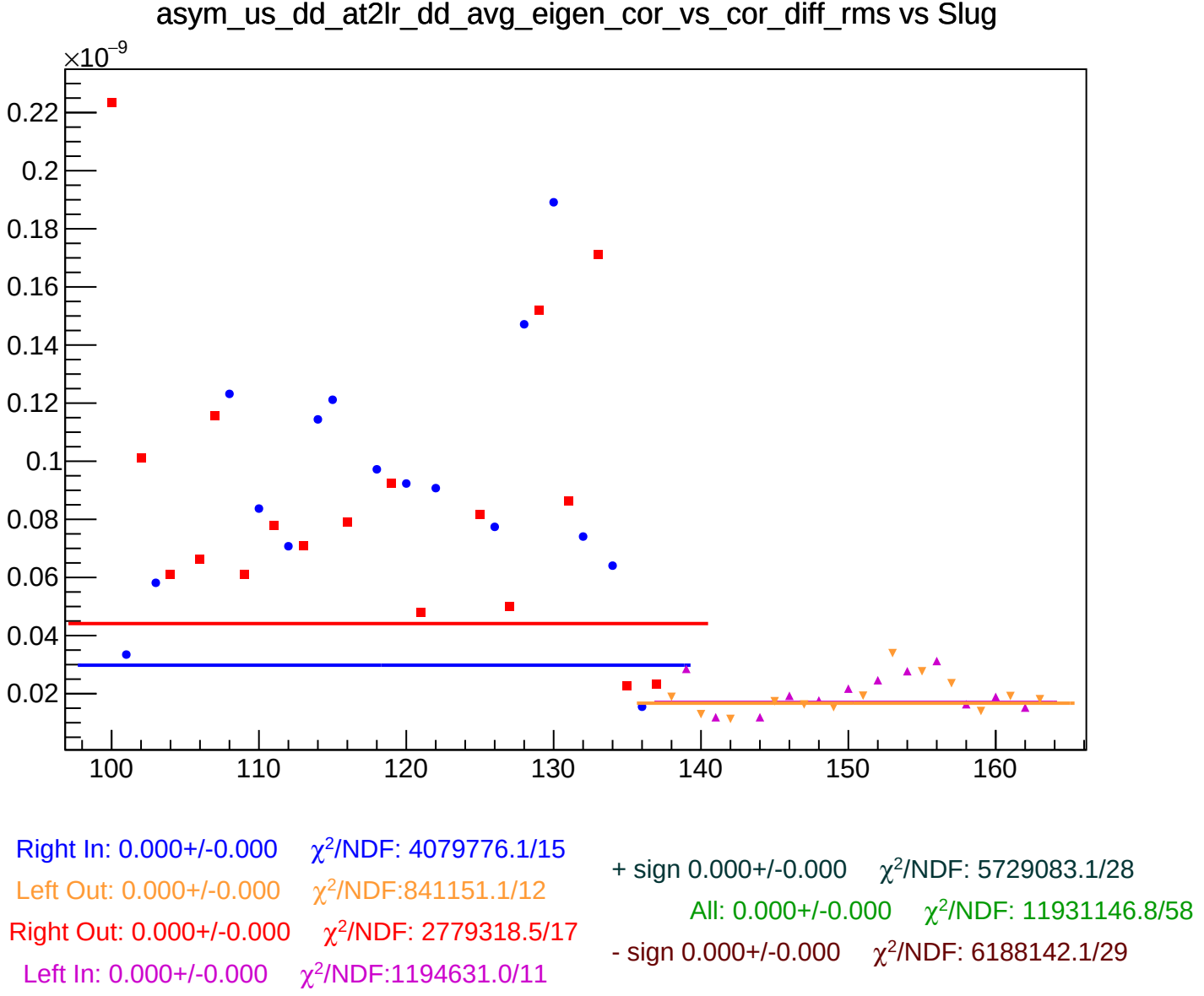
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/28

All: 0.000+/-0.000 χ^2/NDF: 57.2/58

- sign -0.000+/-0.000 χ^2/NDF: 21.0/29


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
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0.04
0.02
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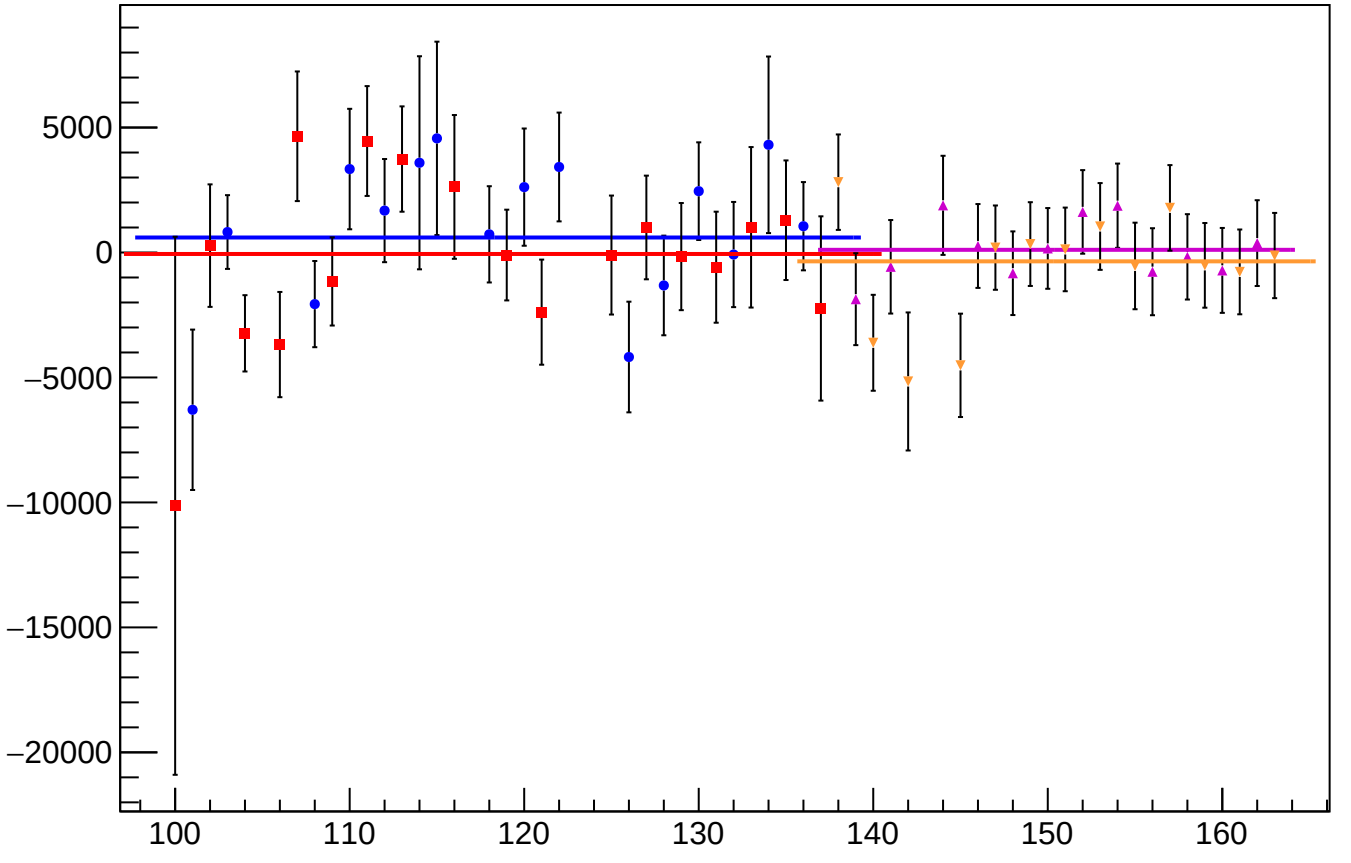
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:841151.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1194631.0/11
+ sign 0.000+/-0.000 χ²/NDF: 5729083.1/28
All: 0.000+/-0.000 χ²/NDF: 11931146.8/58
- sign 0.000+/-0.000 χ²/NDF: 6188142.1/29

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -353.948+/-498.636 χ^2/NDF:15.4/12

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

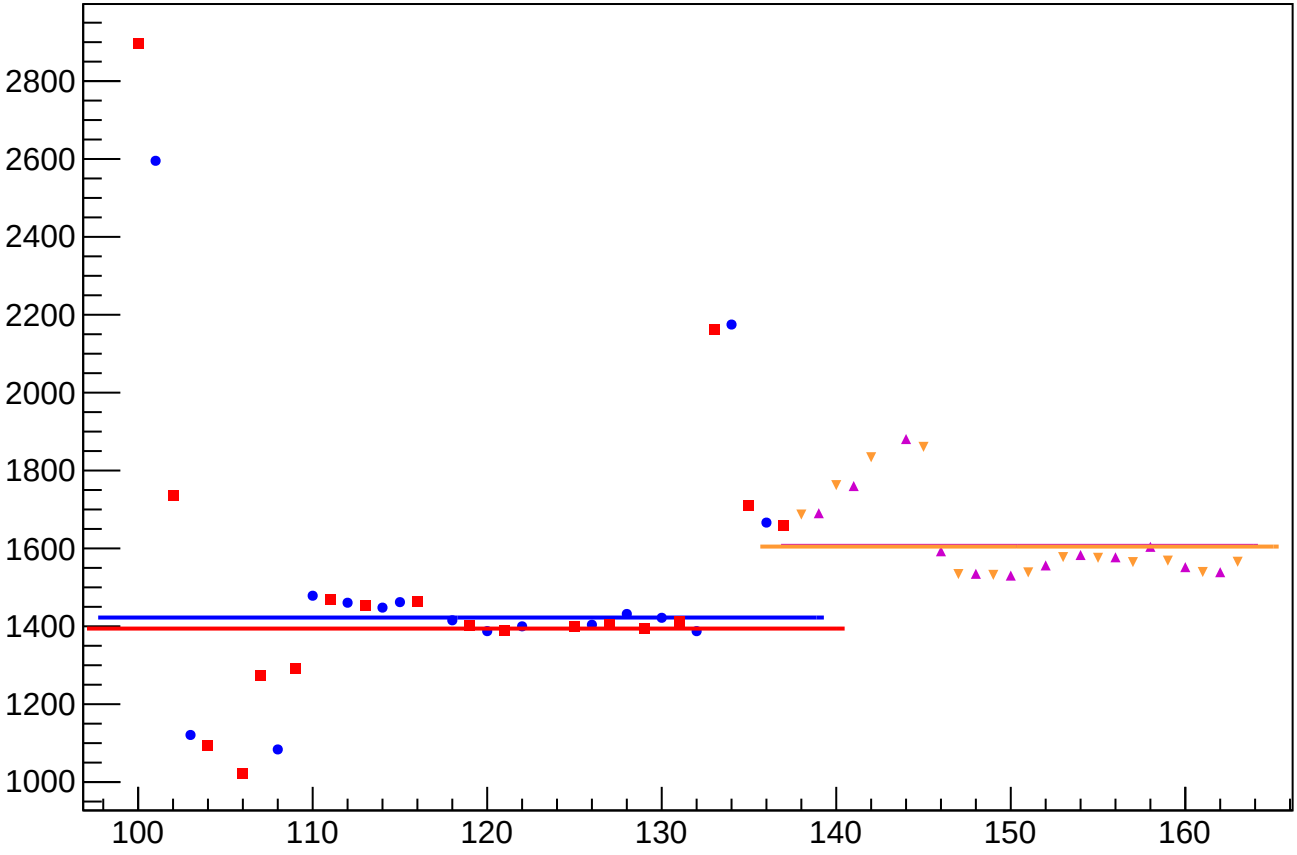
Left In: 107.203+/-499.985 χ^2/NDF:4.9/11

+ sign 85.116+/-366.357 χ^2/NDF: 37.4/28

All: 56.823+/-258.130 χ^2/NDF: 64.9/58

- sign 28.930+/-363.757 χ^2/NDF: 27.5/29

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

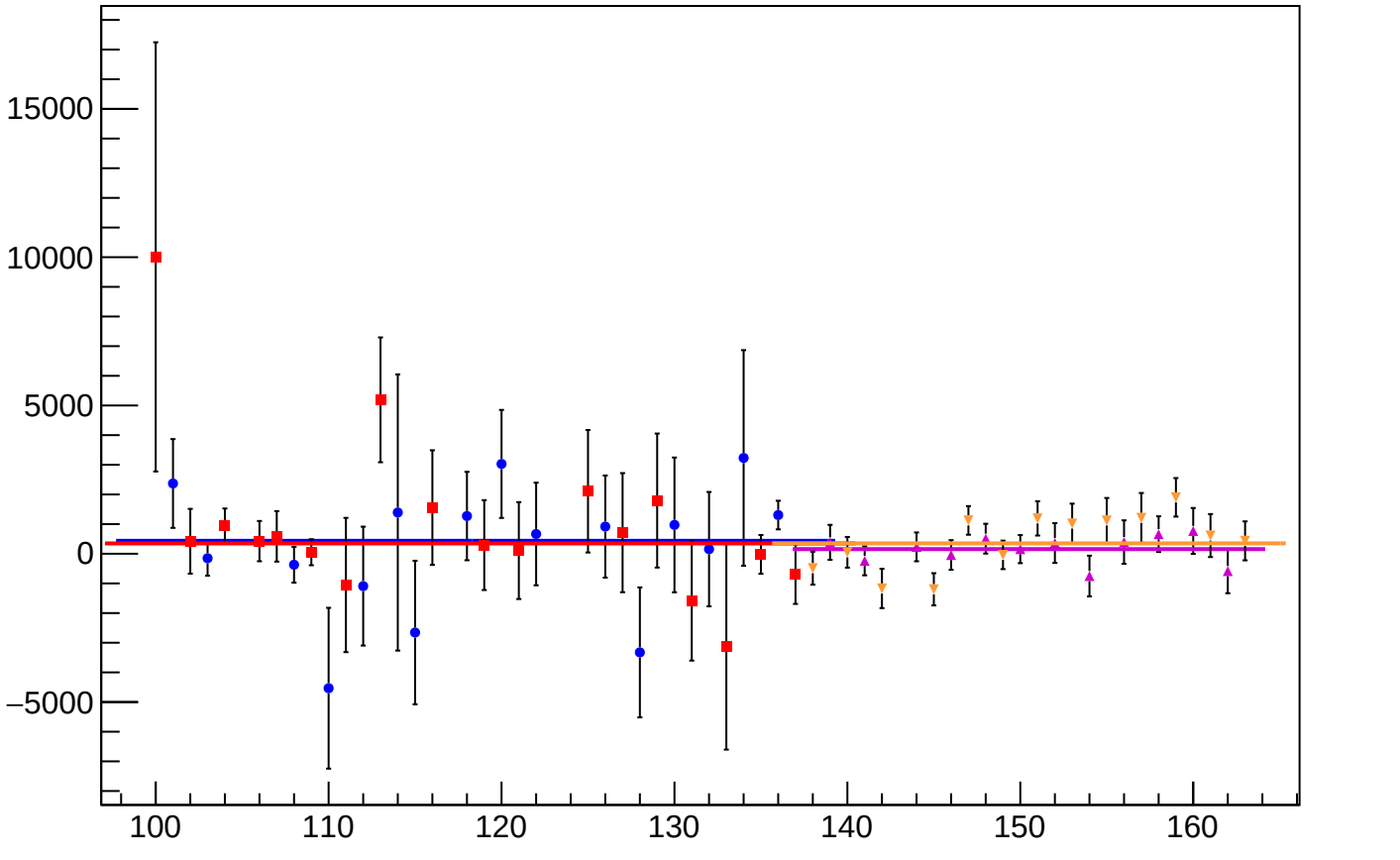
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.3/28

All: 1513.693+/-0.183 χ^2/NDF: 1399549.6/58

- sign 1506.615+/-0.257 χ^2/NDF: 635752.8/29



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 350.918+/-166.167 χ^2/NDF:30.3/12

Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

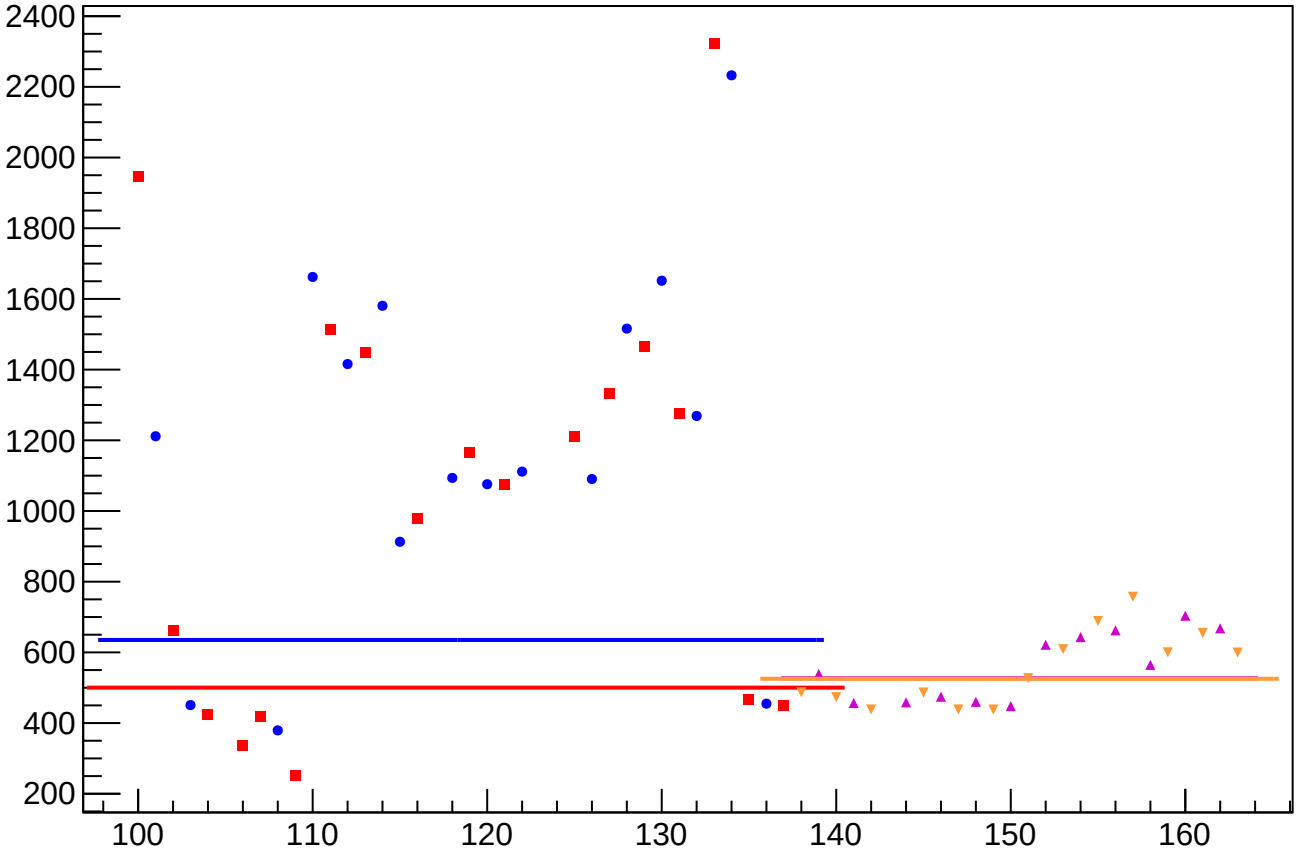
Left In: 156.208+/-166.312 χ^2/NDF:5.7/11

\+ sign 373.699+/-142.346 χ^2/NDF: 49.7/28

All: 293.522+/-98.148 χ^2/NDF: 70.4/58

\- sign 220.860+/-135.511 χ^2/NDF: 20.1/29

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: 525.325+/-0.117 χ^2/NDF:597900.1/12

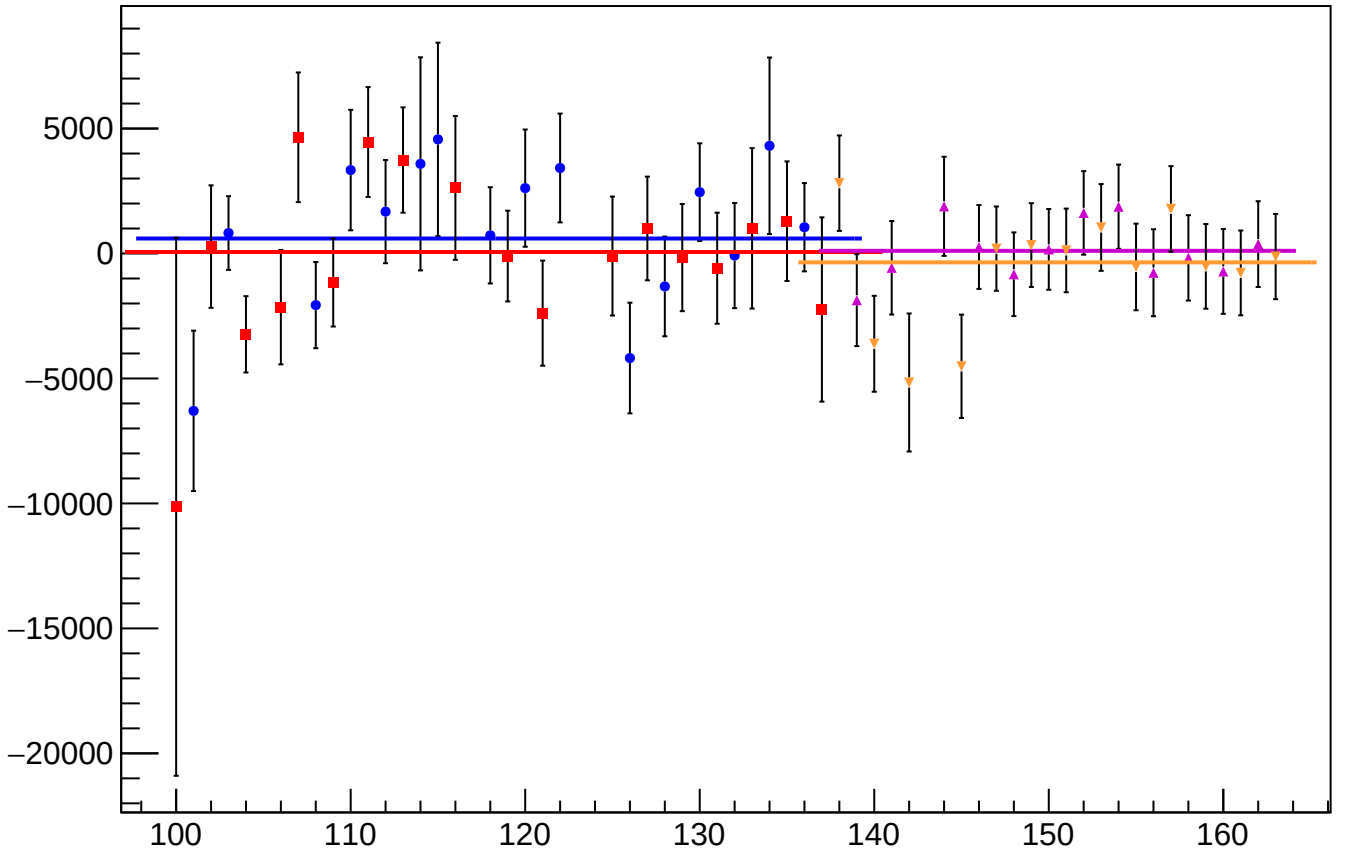
Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 526.674+/-0.118 χ^2/NDF:543415.8/11

+ sign 554.551+/-0.101 χ^2/NDF: 4582950.8/28

All: 535.265+/-0.069 χ^2/NDF: 9522439.5/58

- sign 517.786+/-0.096 χ^2/NDF: 4869501.1/29



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

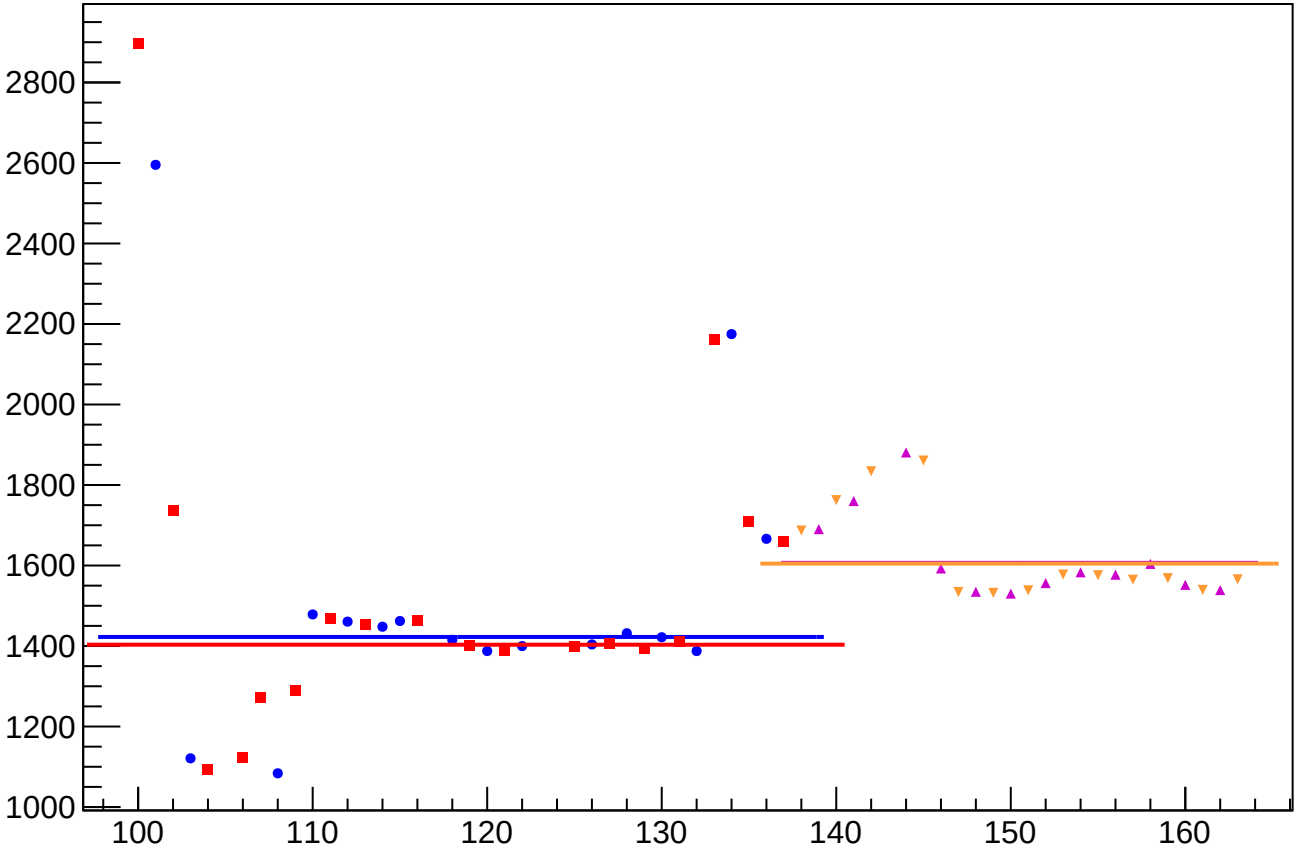
Left In: 107.195+/-499.985 χ^2/NDF:4.9/11

\+ sign 84.985+/-366.357 χ^2/NDF: 37.4/28

All: 85.126+/-258.430 χ^2/NDF: 62.6/58

\- sign 85.265+/-364.600 χ^2/NDF: 25.2/29

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

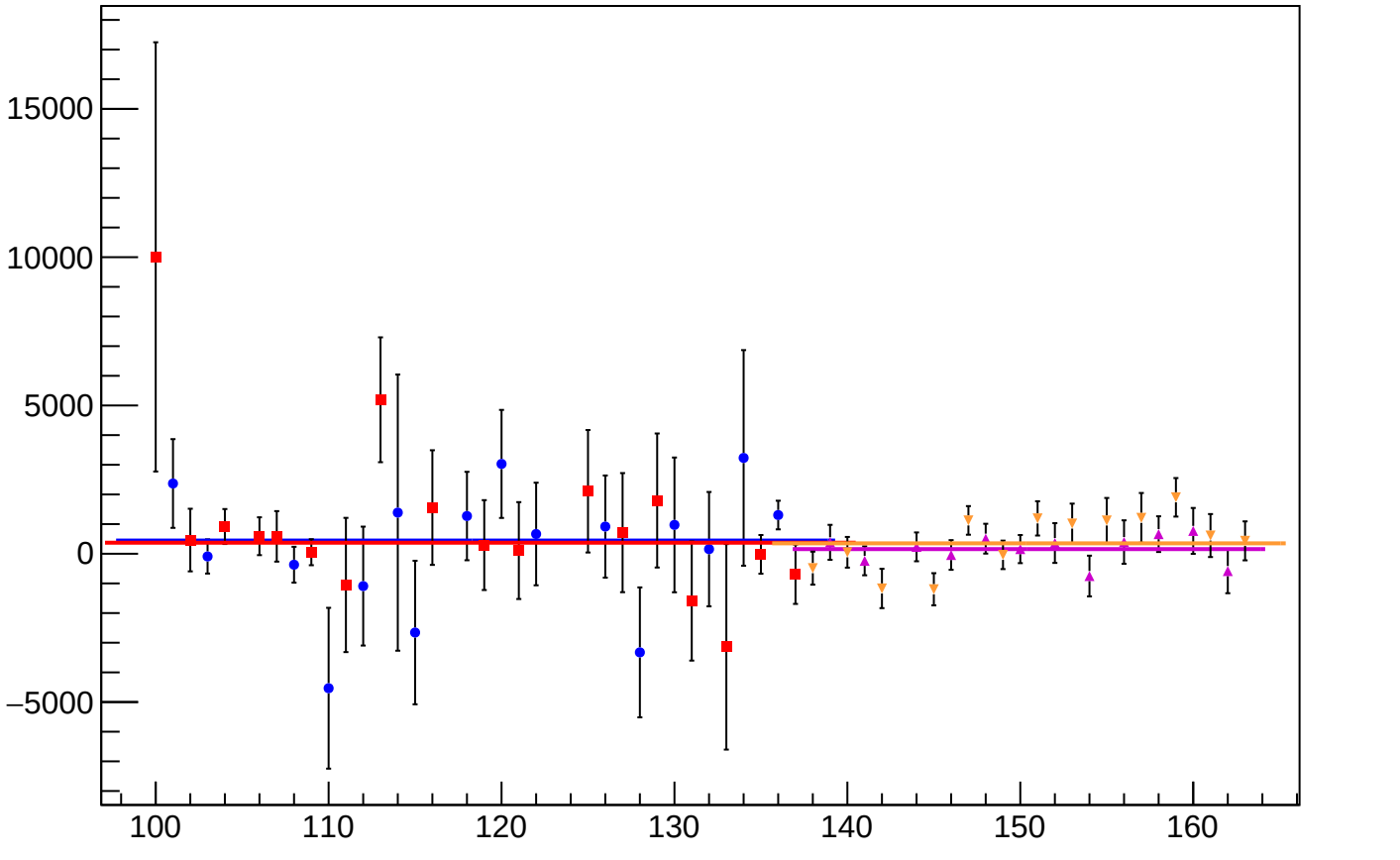
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.7/28

All: 1516.101+/-0.183 χ^2/NDF: 1349165.1/58

- sign 1511.374+/-0.258 χ^2/NDF: 586217.9/29



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

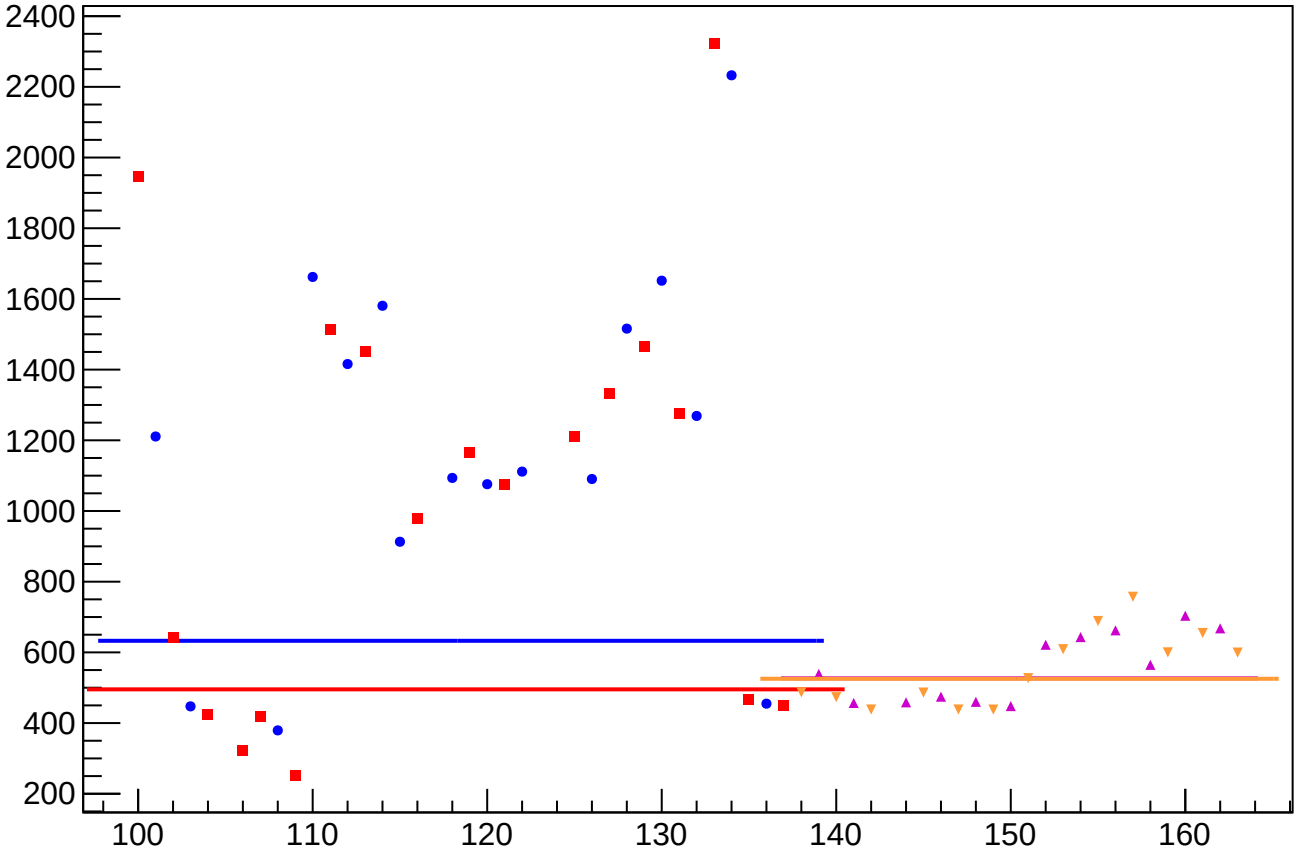
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 156.285+/-166.311 χ^2/NDF:5.7/11

\+ sign 376.173+/-142.185 χ^2/NDF: 49.5/28

All: 299.302+/-97.916 χ^2/NDF: 70.4/58

\- sign 229.963+/-135.040 χ^2/NDF: 20.3/29



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 525.333+/-0.117 χ^2/NDF:597792.3/12

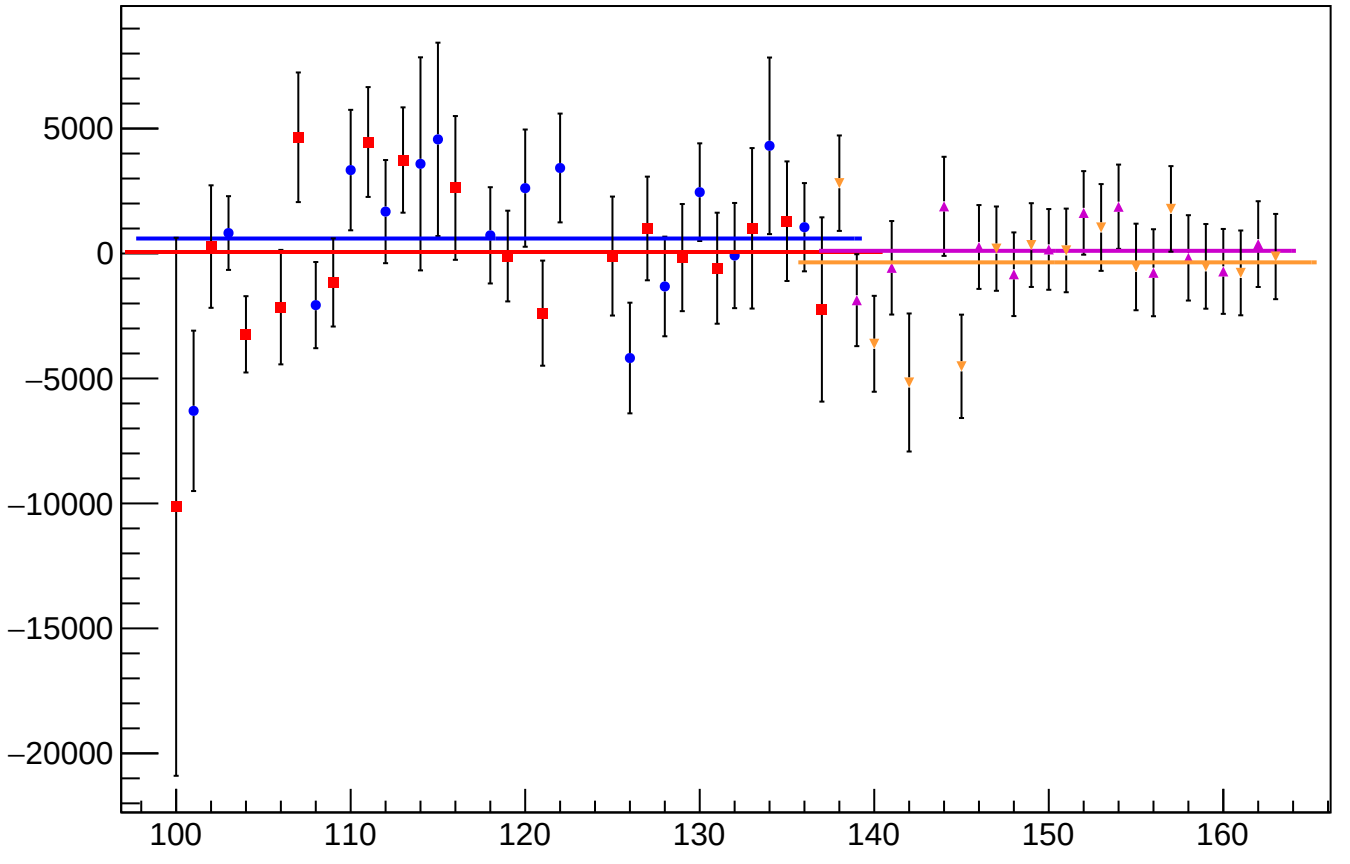
Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.667+/-0.118 χ^2/NDF:543453.8/11

+ sign 554.104+/-0.101 χ^2/NDF: 4589382.0/28

All: 534.075+/-0.069 χ^2/NDF: 9569923.3/58

- sign 516.008+/-0.095 χ^2/NDF: 4905054.1/29



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

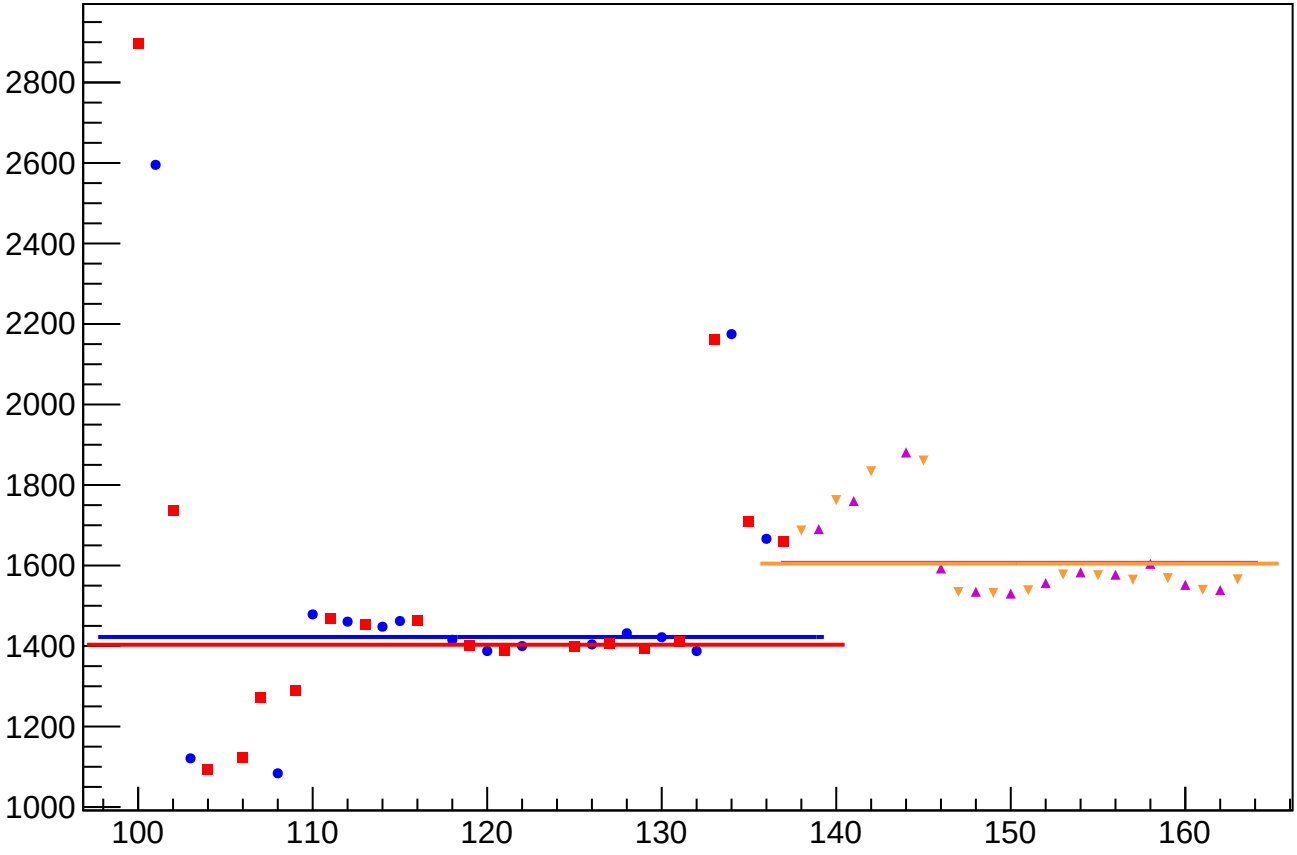
Left In: 107.195+/-499.985 χ^2/NDF:4.9/11

+ sign 84.985+/-366.357 χ^2/NDF: 37.4/28

All: 85.126+/-258.430 χ^2/NDF: 62.6/58

- sign 85.265+/-364.600 χ^2/NDF: 25.2/29

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: 1604.724+/-0.353 χ^2/NDF:79115.9/12

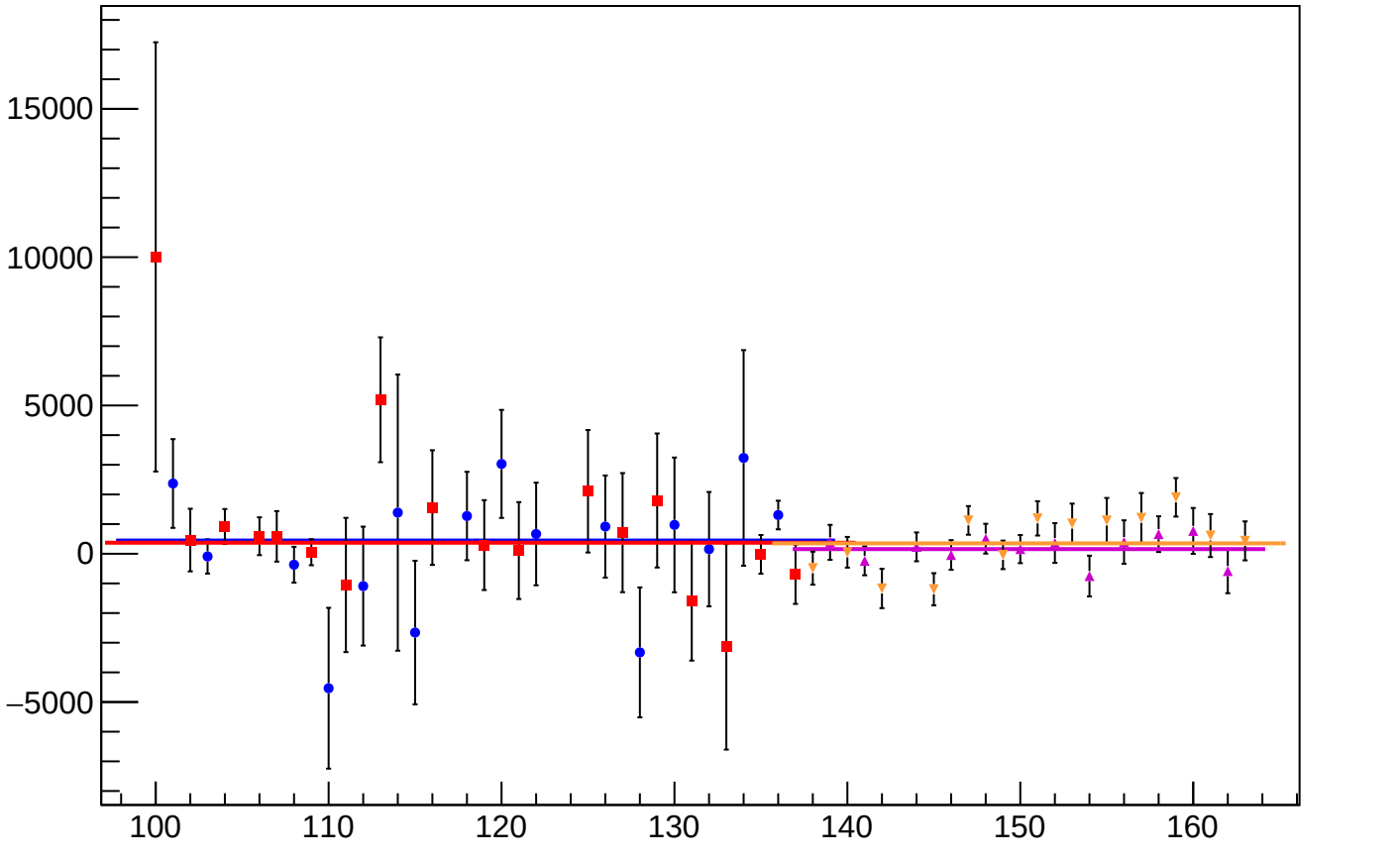
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

+ sign 1520.873+/-0.259 χ^2/NDF: 762271.7/28

All: 1516.101+/-0.183 χ^2/NDF: 1349165.1/58

- sign 1511.374+/-0.258 χ^2/NDF: 586217.9/29



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

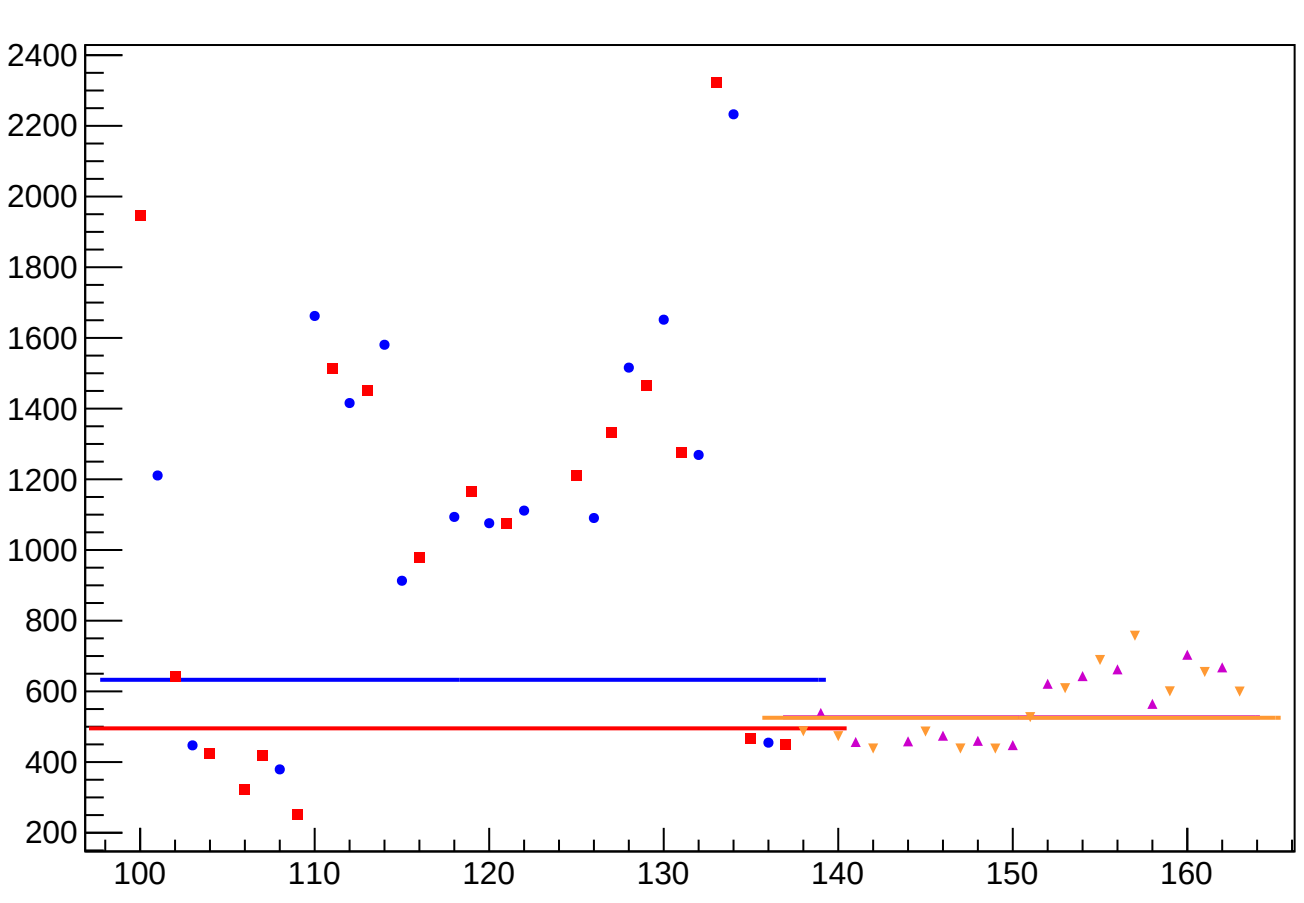
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 156.285+/-166.311 χ^2/NDF:5.7/11

\+ sign 376.173+/-142.185 χ^2/NDF: 49.5/28

All: 299.302+/-97.916 χ^2/NDF: 70.4/58

\- sign 229.963+/-135.040 χ^2/NDF: 20.3/29



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

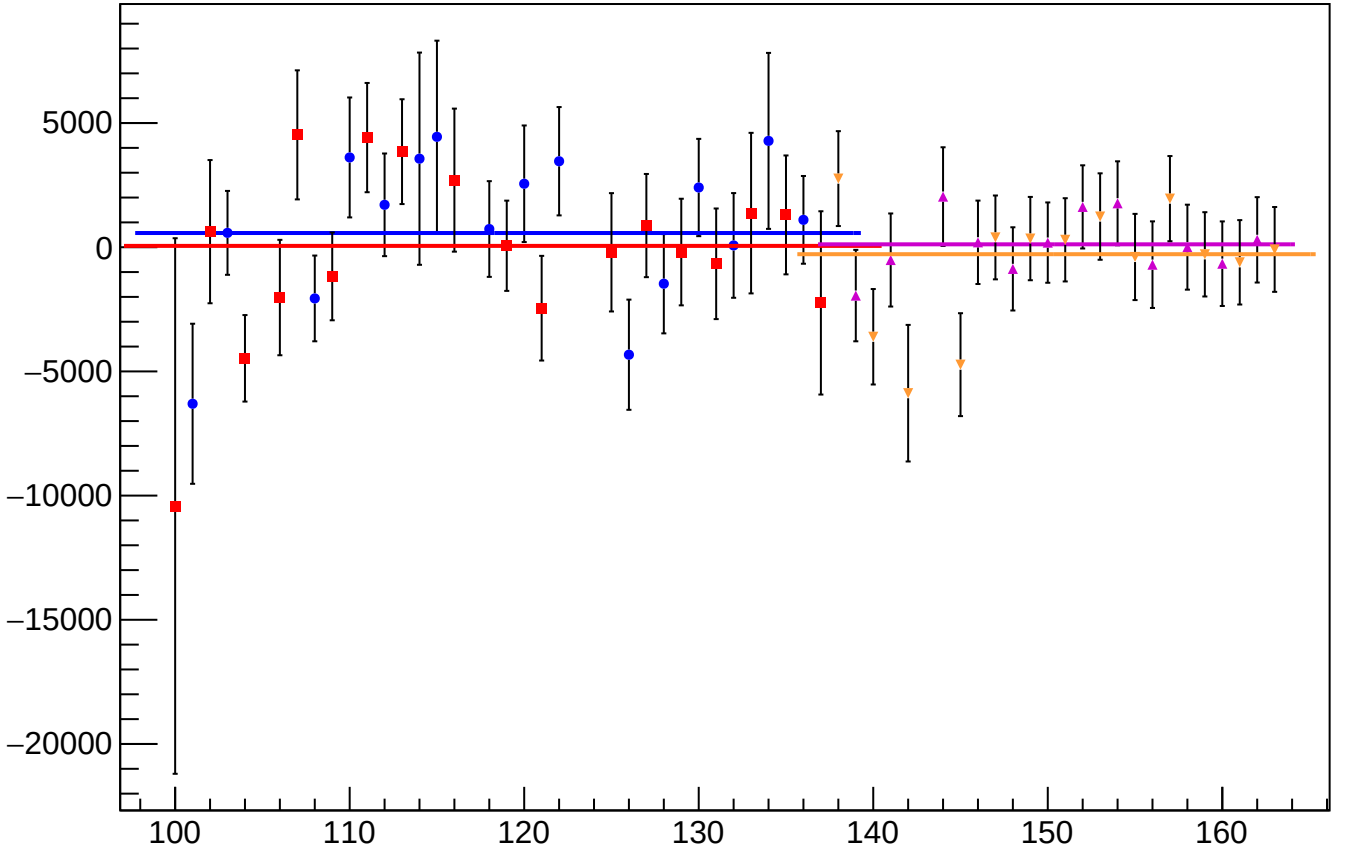
Left In: 526.667+/-0.118 χ^2/NDF:543453.8/11

+ sign 554.104+/-0.101 χ^2/NDF: 4589382.0/28

All: 534.075+/-0.069 χ^2/NDF: 9569923.3/58

- sign 516.008+/-0.095 χ^2/NDF: 4905054.1/29

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.681+/-499.273 χ^2/NDF:17.2/12

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

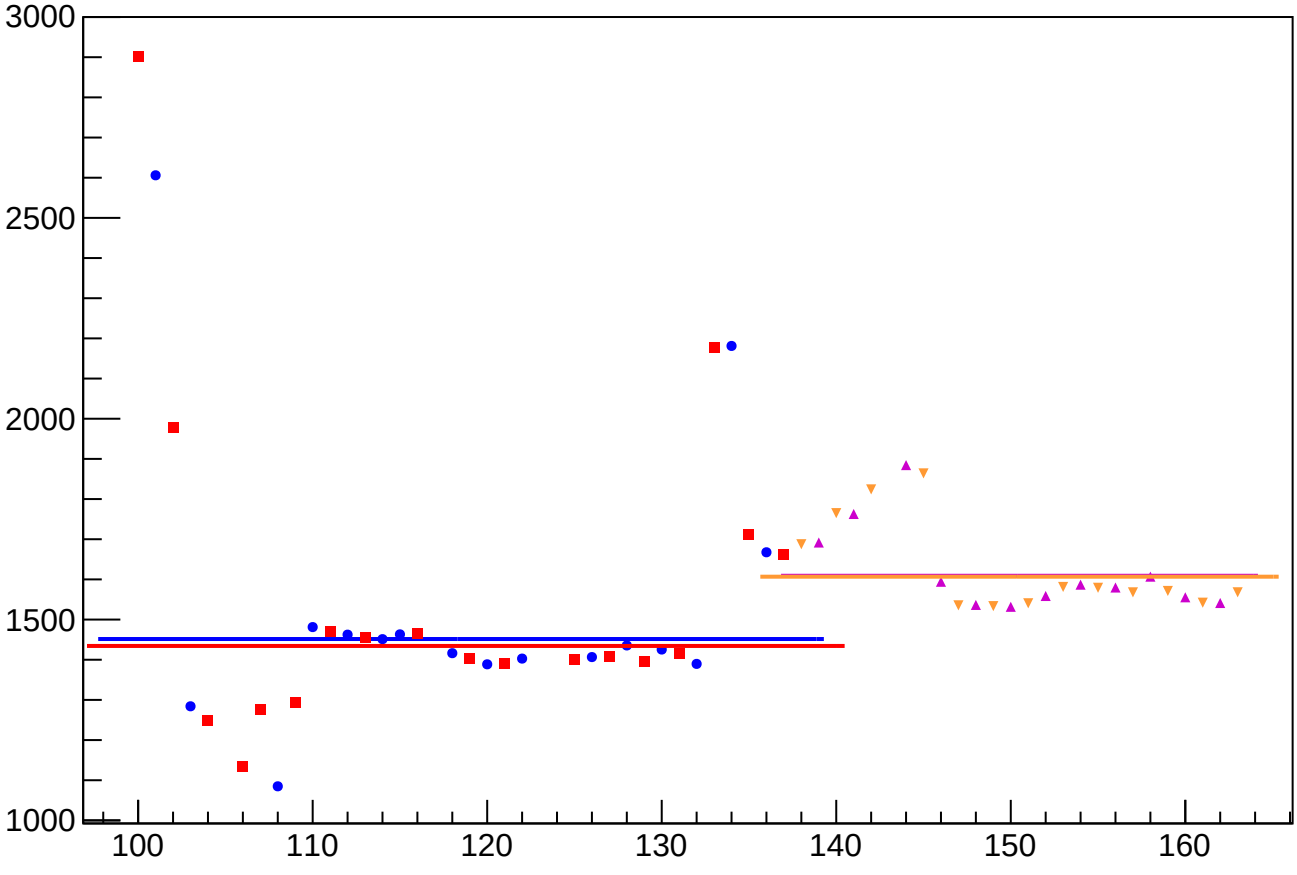
Left In: 116.879+/-500.746 χ^2/NDF:4.9/11

+ sign 104.942+/-369.565 χ^2/NDF: 39.3/28

All: 96.456+/-261.067 χ^2/NDF: 66.7/58

- sign 88.003+/-368.844 χ^2/NDF: 27.4/29

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.4/12

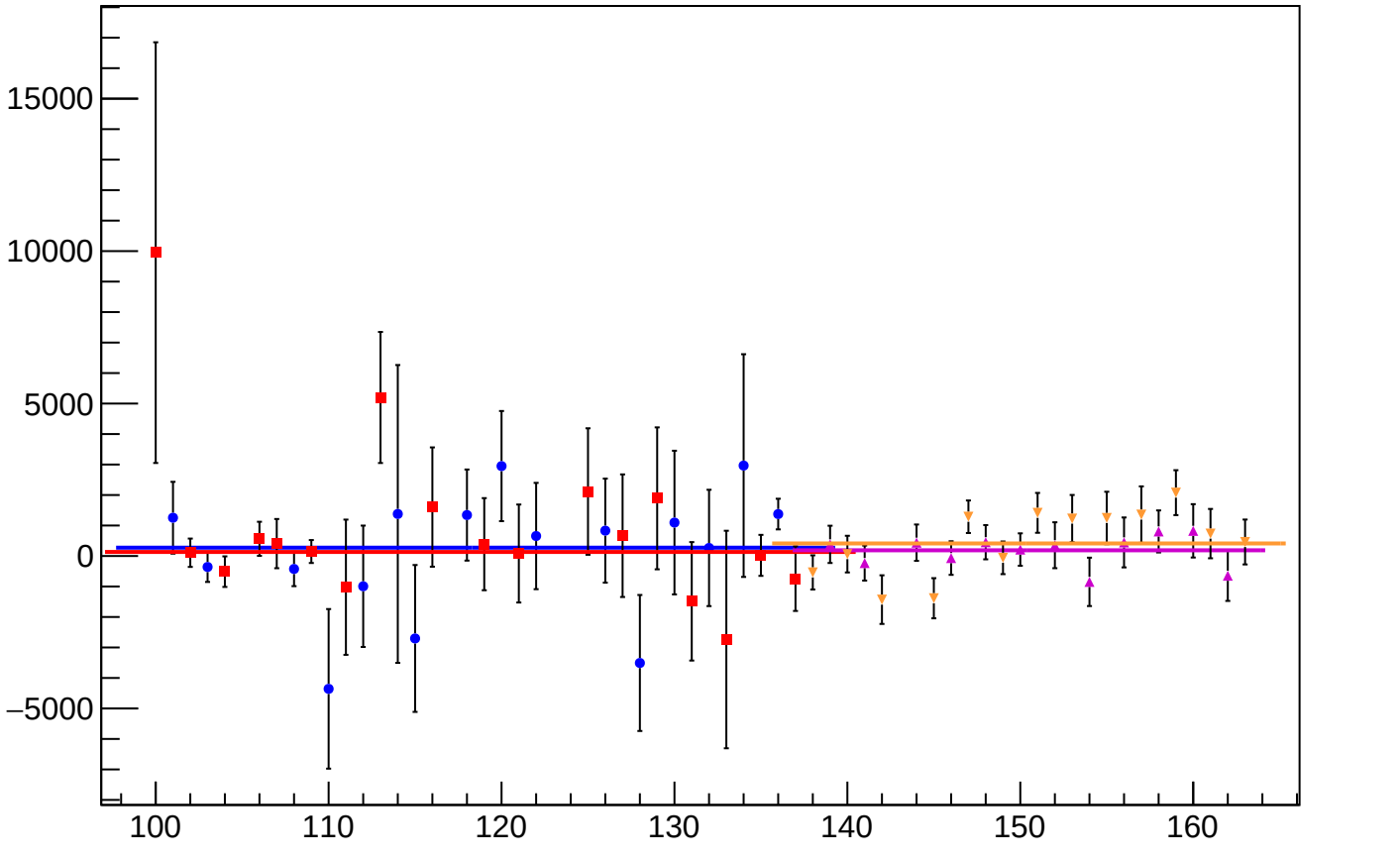
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1609.038+/-0.354 χ^2/NDF:72284.5/11

+ sign 1536.594+/-0.261 χ^2/NDF: 652906.8/28

All: 1532.848+/-0.185 χ^2/NDF: 1165569.4/58

- sign 1529.116+/-0.261 χ^2/NDF: 512252.4/29



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 411.876+/-187.088 χ^2/NDF:30.2/12

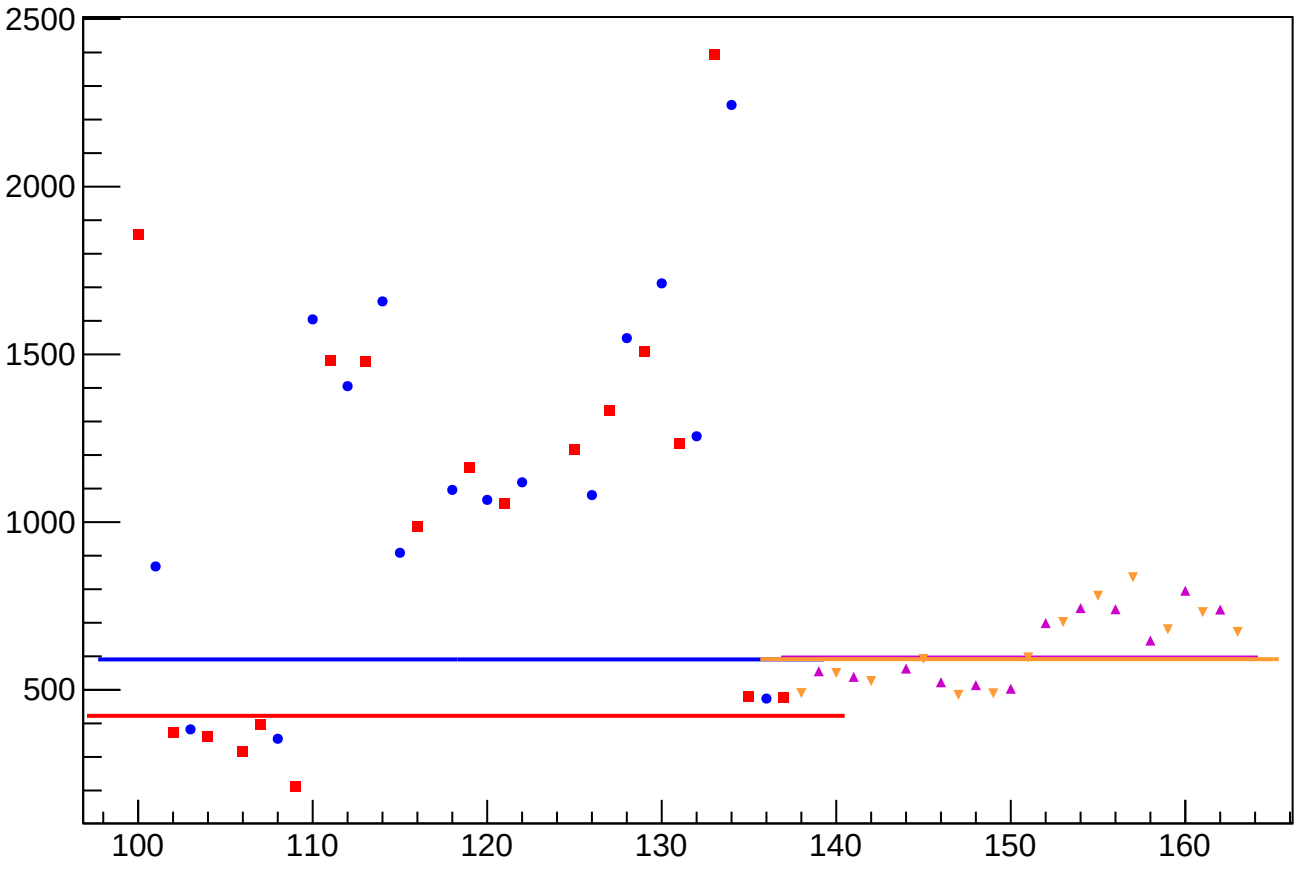
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 187.187+/-188.213 χ^2/NDF:5.4/11

+ sign 364.778+/-151.966 χ^2/NDF: 50.6/28

All: 251.416+/-101.232 χ^2/NDF: 71.5/58

- sign 160.977+/-135.734 χ^2/NDF: 19.9/29



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 591.418+/-0.132 χ^2/NDF:630597.7/12

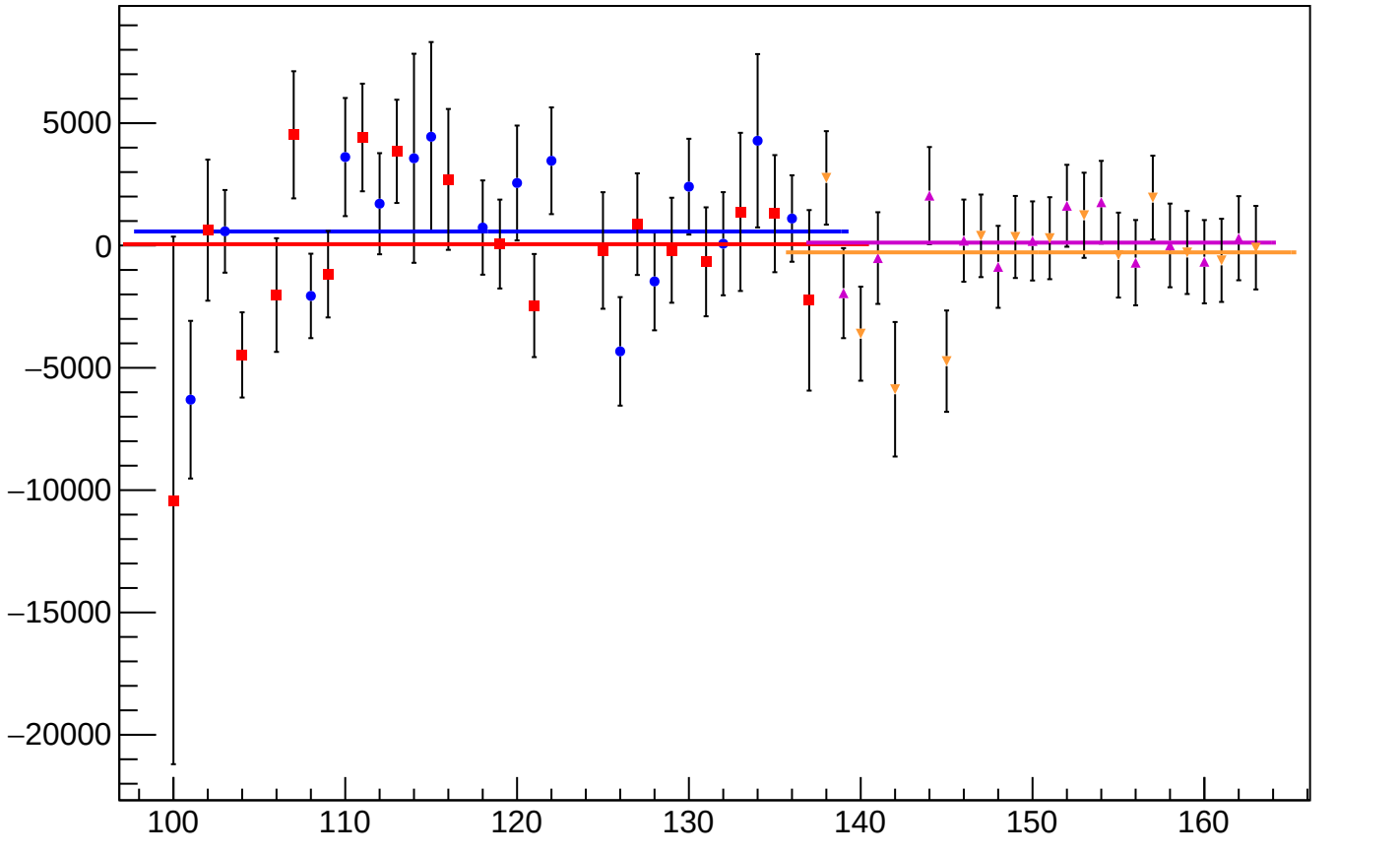
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 596.396+/-0.133 χ^2/NDF:517296.4/11

+ sign 591.190+/-0.107 χ^2/NDF: 4516108.5/28

All: 547.699+/-0.072 χ^2/NDF: 11004047.1/58

- sign 513.003+/-0.096 χ^2/NDF: 6193450.7/29



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.689+/-499.273 χ^2/NDF:17.2/12

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

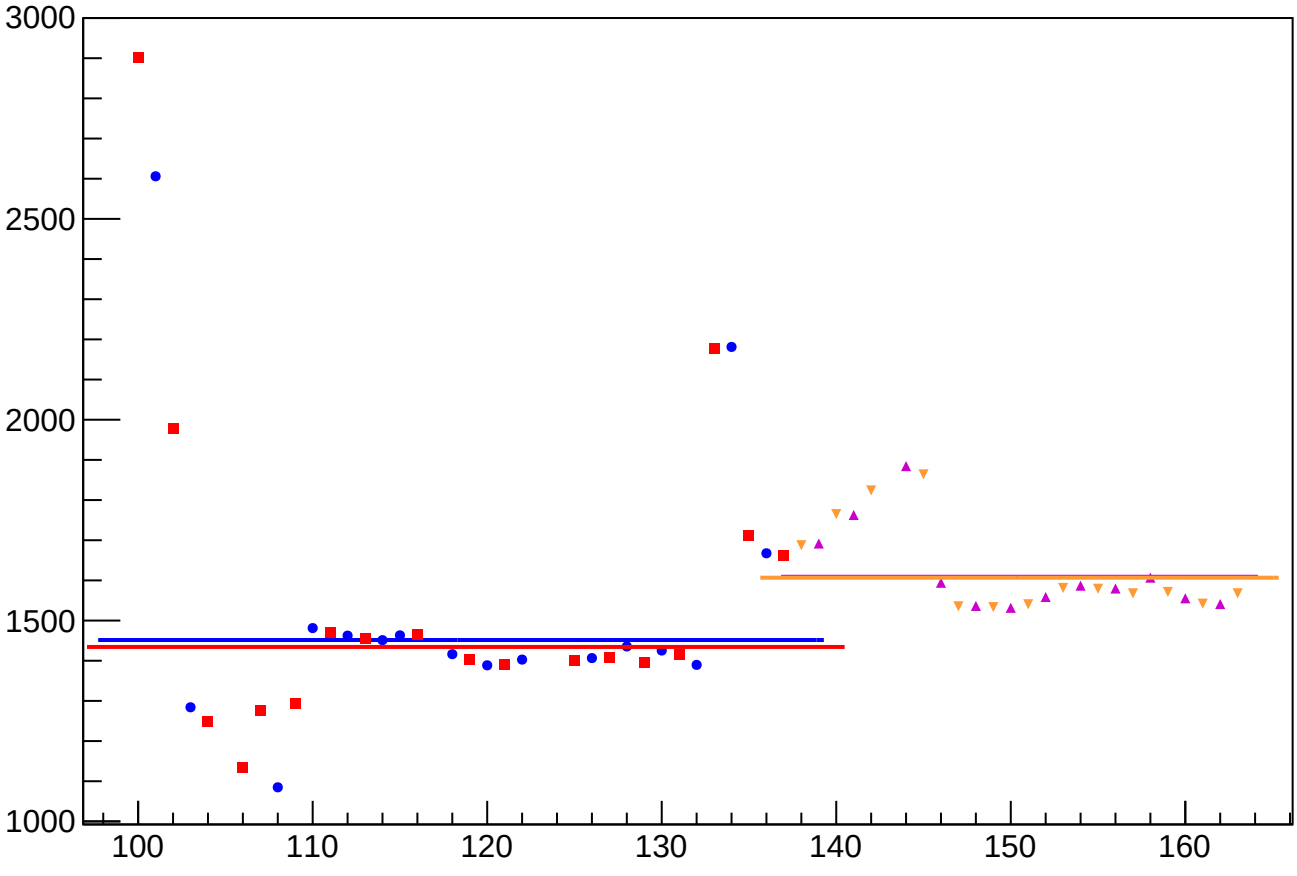
Left In: 116.880+/-500.746 χ^2/NDF:4.9/11

+ sign 104.937+/-369.565 χ^2/NDF: 39.3/28

All: 96.454+/-261.067 χ^2/NDF: 66.7/58

- sign 88.003+/-368.844 χ^2/NDF: 27.4/29

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: 1606.742+/-0.353 χ^2/NDF:77740.6/12

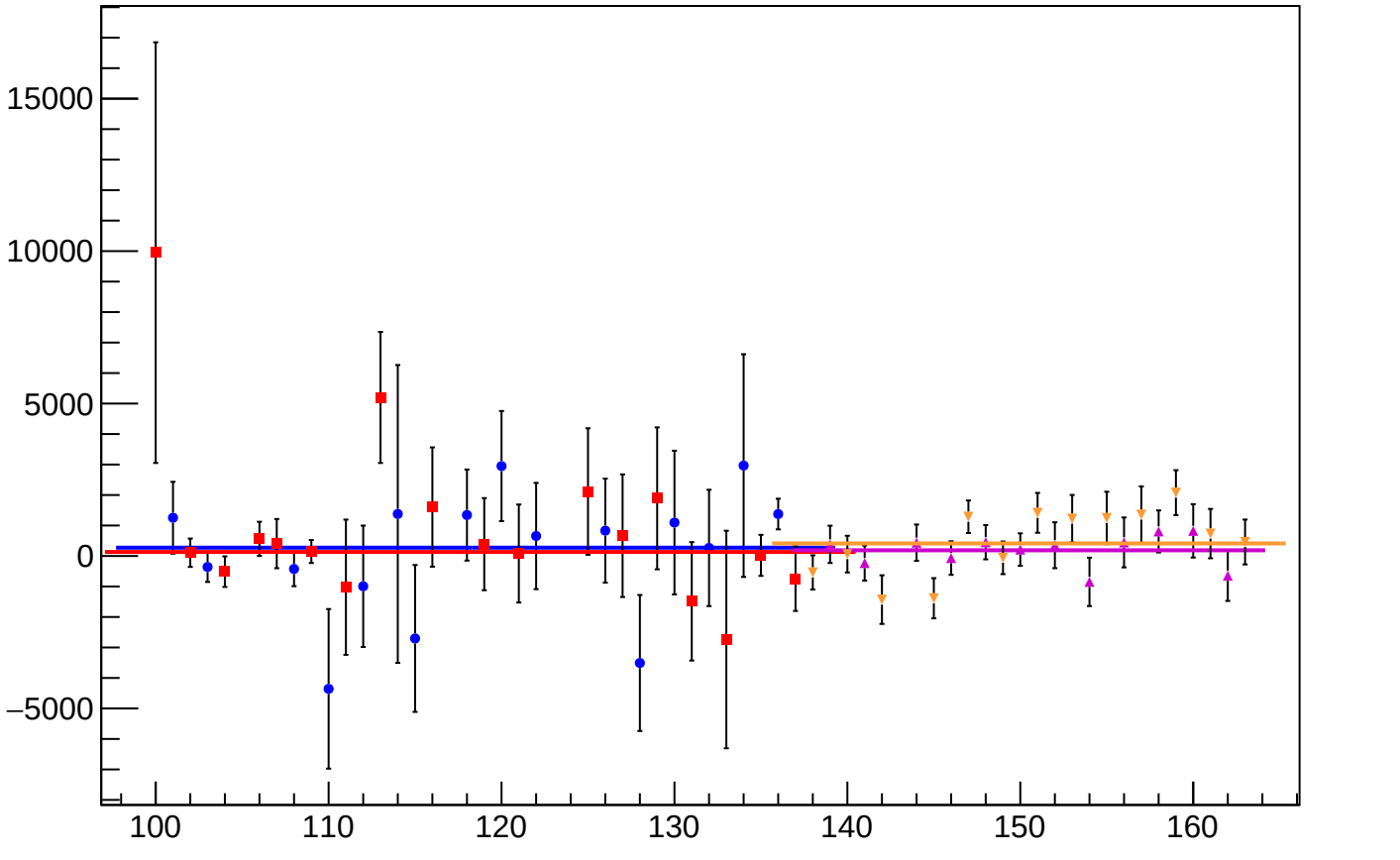
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1609.038+/-0.354 χ^2/NDF:72284.7/11

+ sign 1536.594+/-0.261 χ^2/NDF: 652906.5/28

All: 1532.848+/-0.185 χ^2/NDF: 1165569.5/58

- sign 1529.116+/-0.261 χ^2/NDF: 512252.8/29



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 411.883+/-187.088 χ^2/NDF:30.2/12

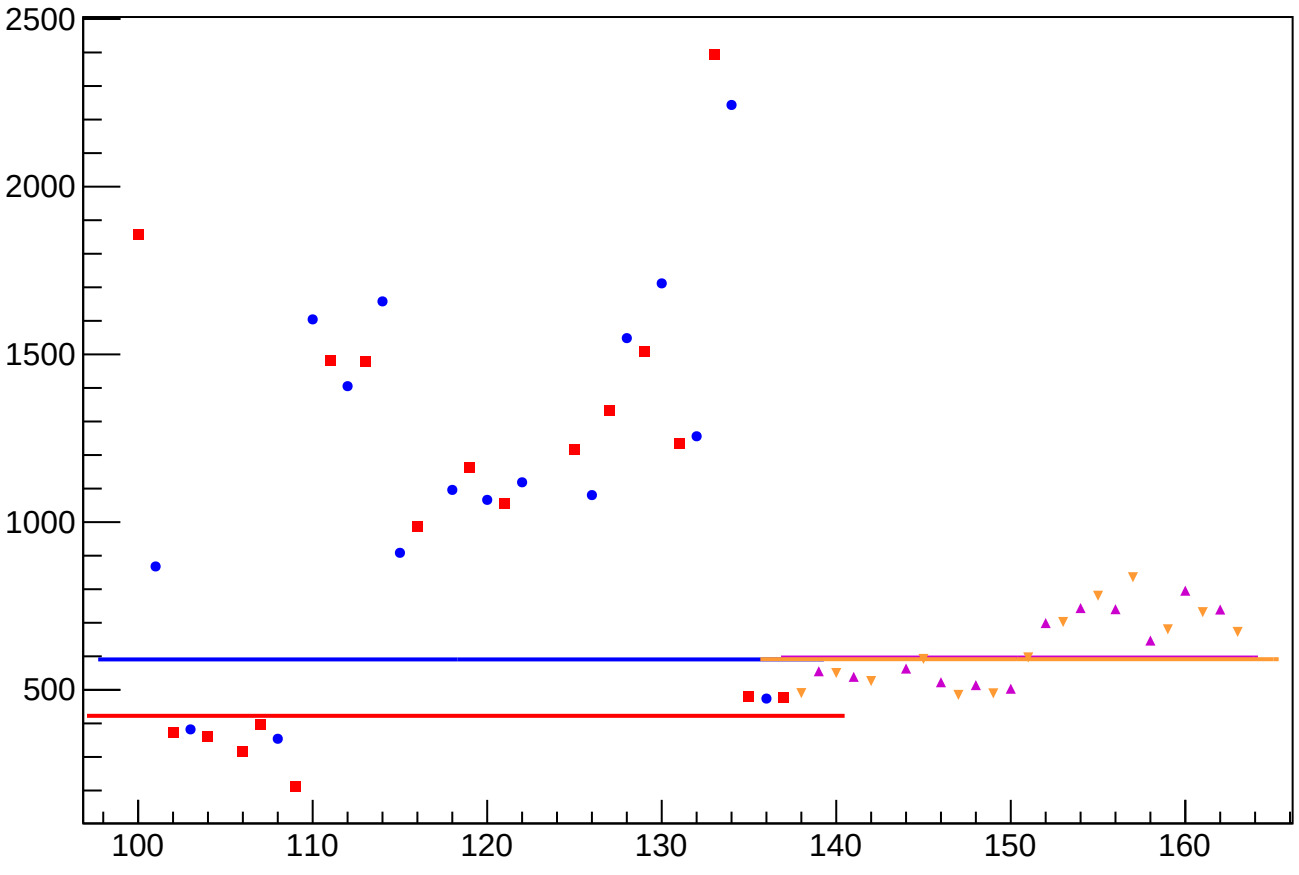
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 187.188+/-188.213 χ^2/NDF:5.4/11

\+ sign 364.779+/-151.966 χ^2/NDF: 50.6/28

All: 251.415+/-101.233 χ^2/NDF: 71.5/58

\- sign 160.975+/-135.735 χ^2/NDF: 19.9/29



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 591.420+/-0.132 χ^2/NDF:630578.1/12

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

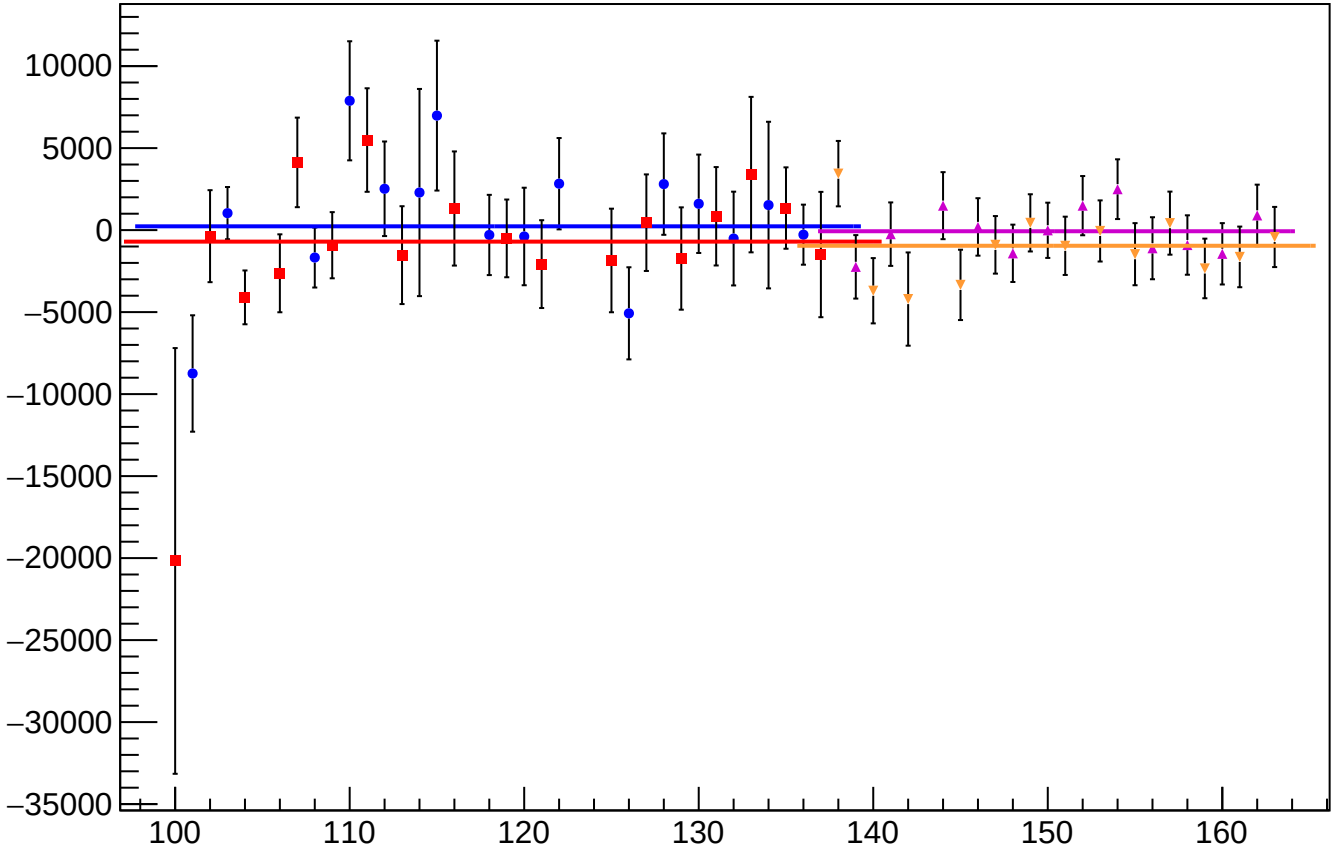
Left In: 596.397+/-0.133 χ^2/NDF:517317.0/11

+ sign 591.191+/-0.107 χ^2/NDF: 4516117.5/28

All: 547.702+/-0.072 χ^2/NDF: 11003924.7/58

- sign 513.007+/-0.096 χ^2/NDF: 6193340.3/29

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -954.770+/-531.118 χ^2/NDF:11.6/12

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

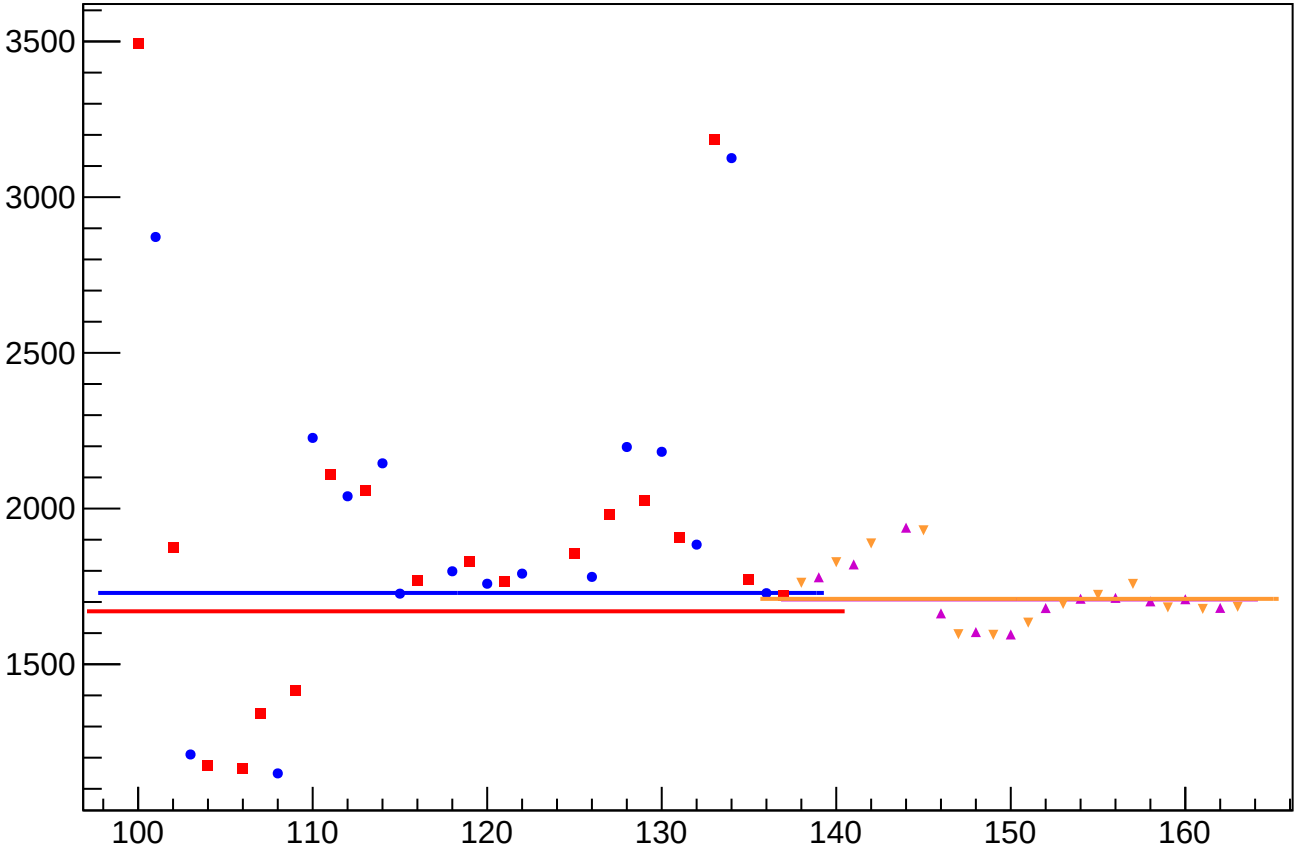
Left In: -69.381+/-531.370 χ^2/NDF:6.5/11

+ sign -494.110+/-415.303 χ^2/NDF: 34.2/28

All: -408.008+/-292.119 χ^2/NDF: 58.4/58

- sign -323.694+/-410.969 χ^2/NDF: 24.1/29

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1710.021+/-0.376 χ^2/NDF:61014.3/12

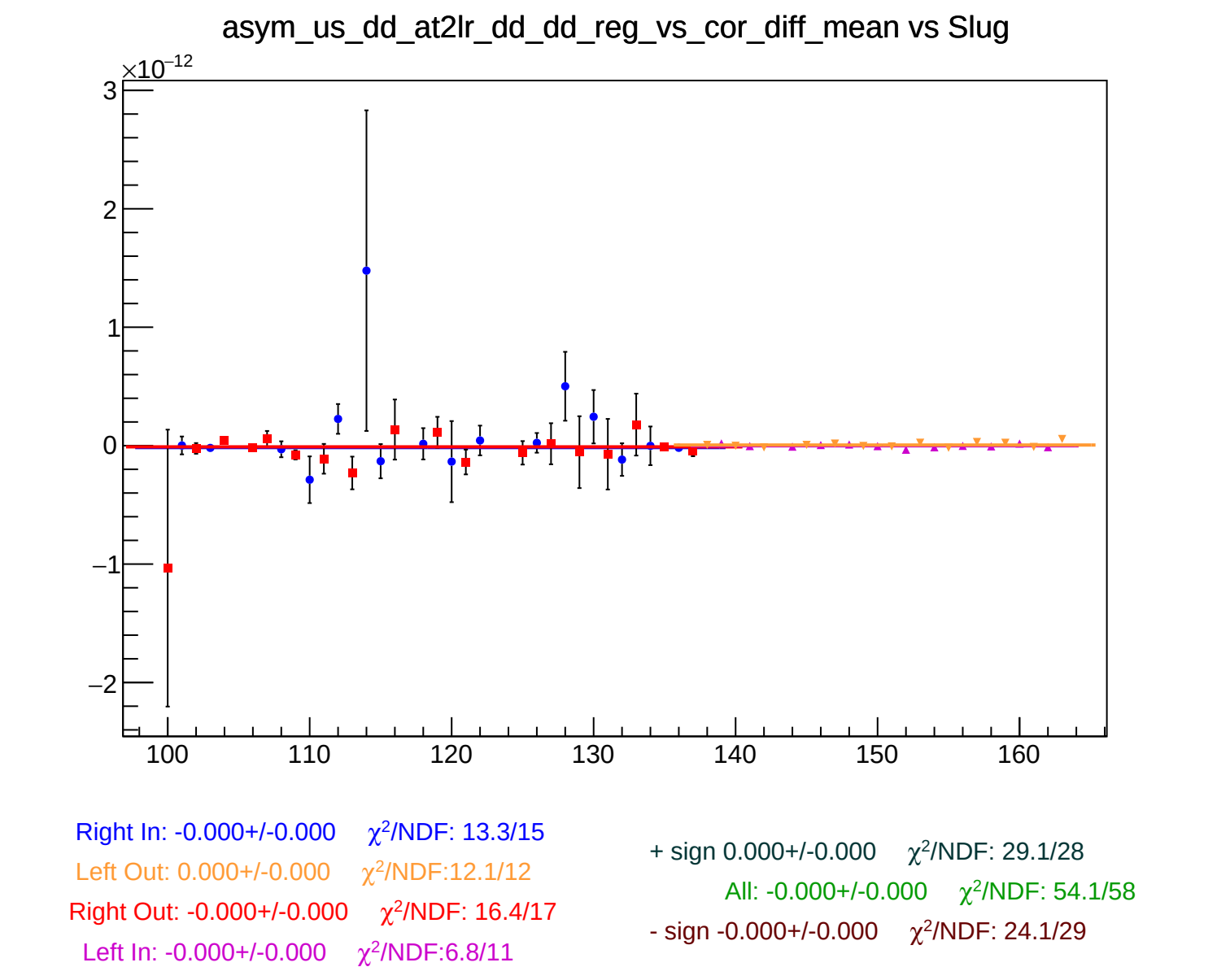
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1708.213+/-0.376 χ^2/NDF:53231.6/11

+ sign 1717.415+/-0.294 χ^2/NDF: 1004091.0/28

All: 1705.019+/-0.207 χ^2/NDF: 1809445.2/58

- sign 1692.881+/-0.291 χ^2/NDF: 801827.7/29


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
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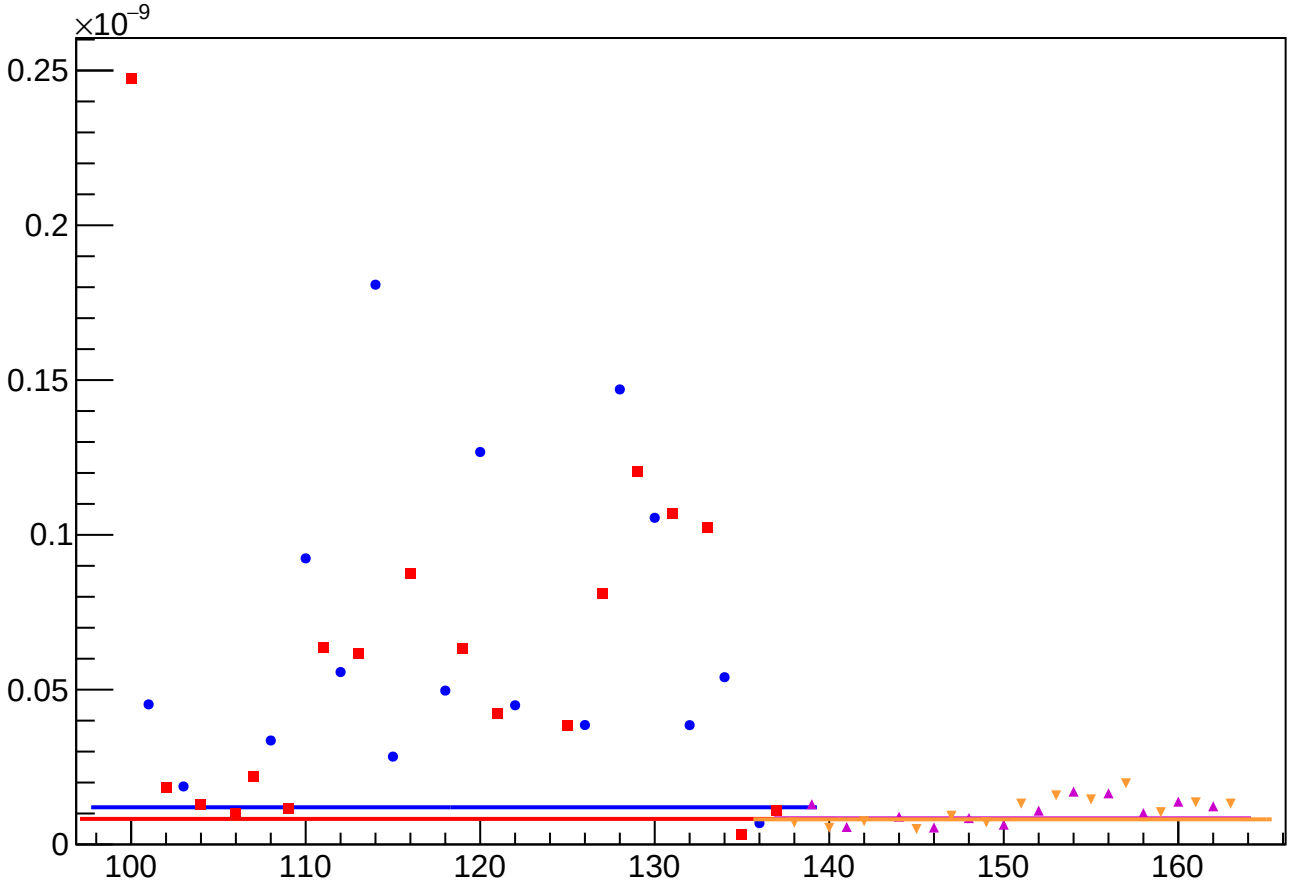
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12.1/12
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:6.8/11
+ sign 0.000+/-0.000 χ²/NDF: 29.1/28
All: -0.000+/-0.000 χ²/NDF: 54.1/58
- sign -0.000+/-0.000 χ²/NDF: 24.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1362824.7/12

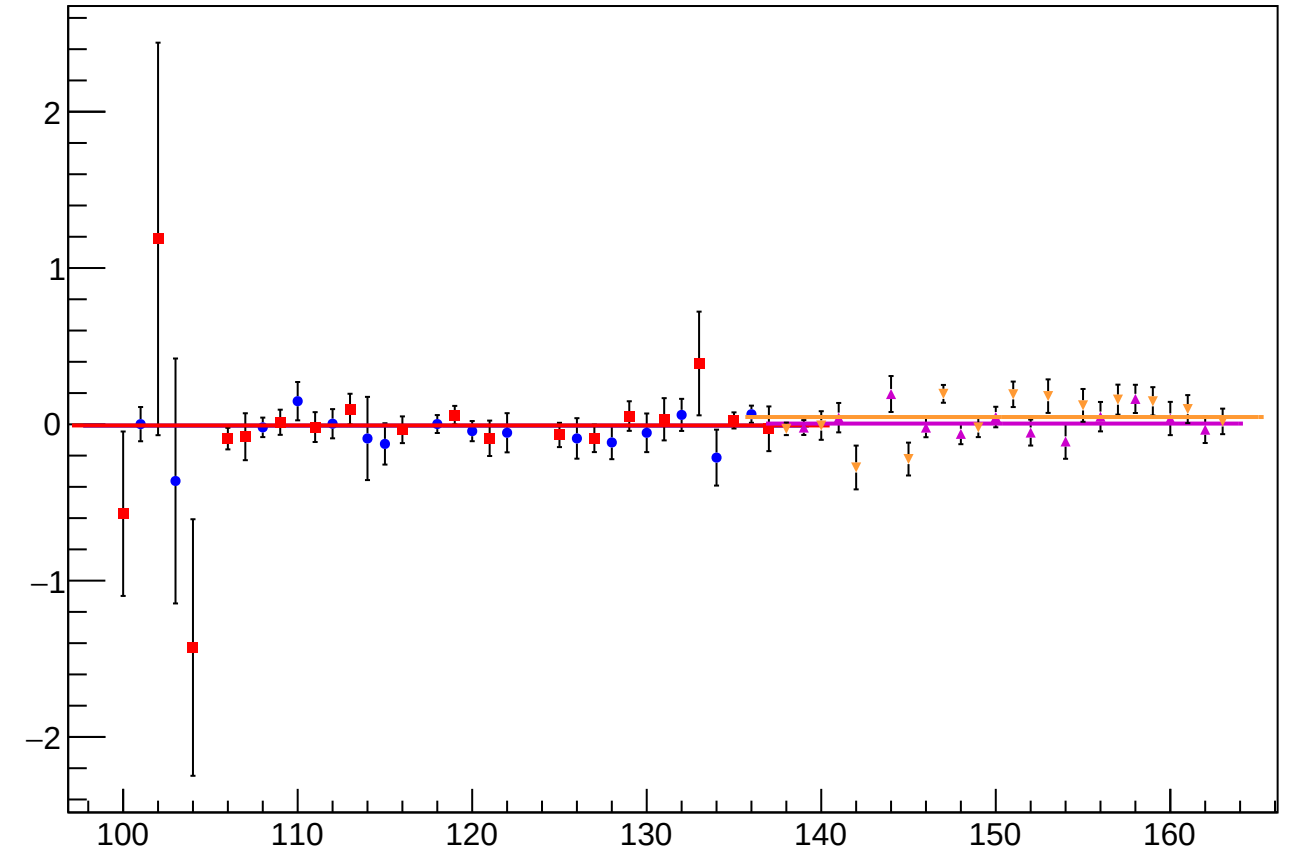
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1084177.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 5033824.4/28

All: 0.000+/-0.000 χ^2/NDF: 9634454.7/58

- sign 0.000+/-0.000 χ^2/NDF: 4594996.1/29



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

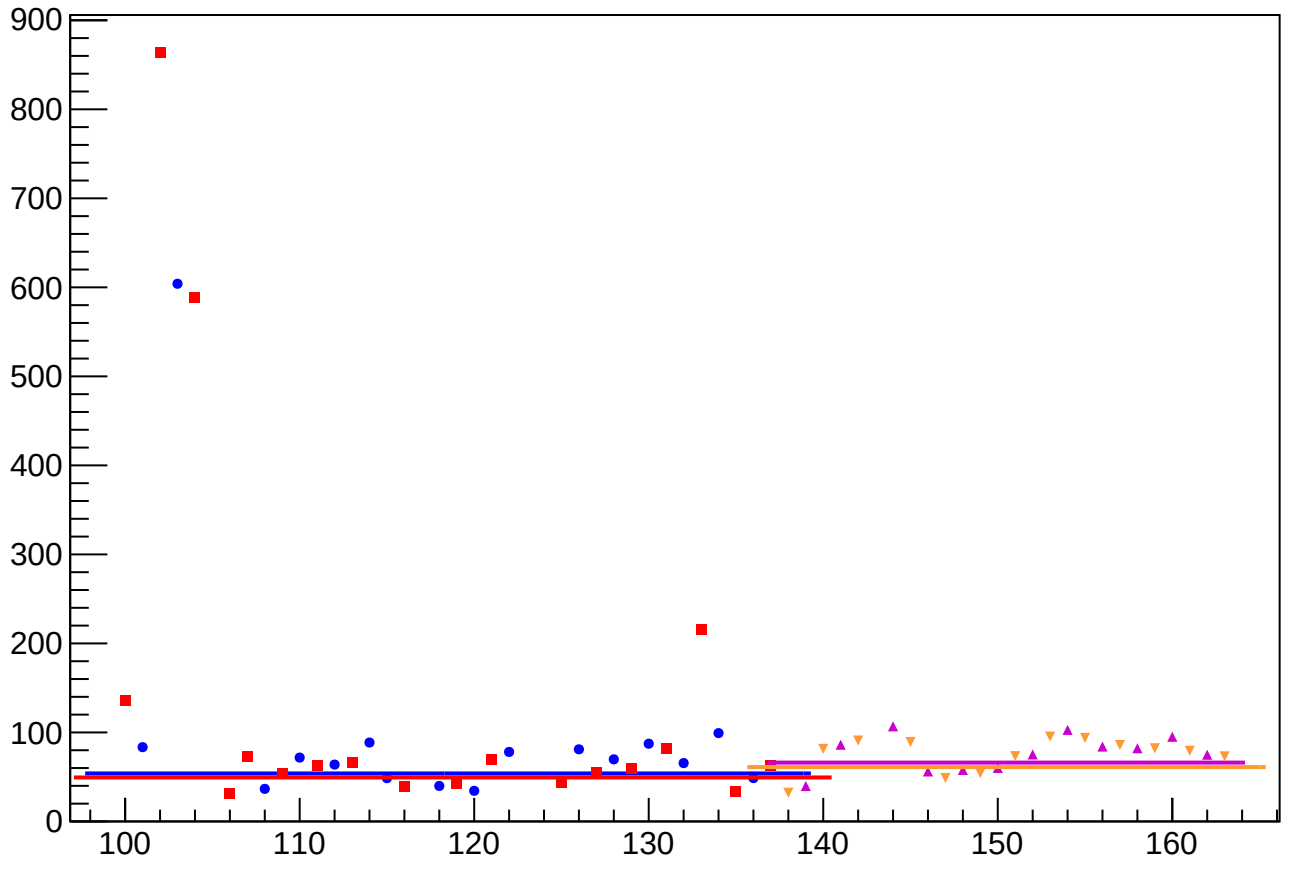
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.005+/-0.022 χ^2/NDF:9.8/11

+ sign 0.022+/-0.015 χ^2/NDF: 43.4/28

All: 0.011+/-0.011 χ^2/NDF: 68.1/58

- sign -0.001+/-0.016 χ^2/NDF: 23.6/29



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 61.104+/-0.015 χ^2/NDF:2304779.1/12

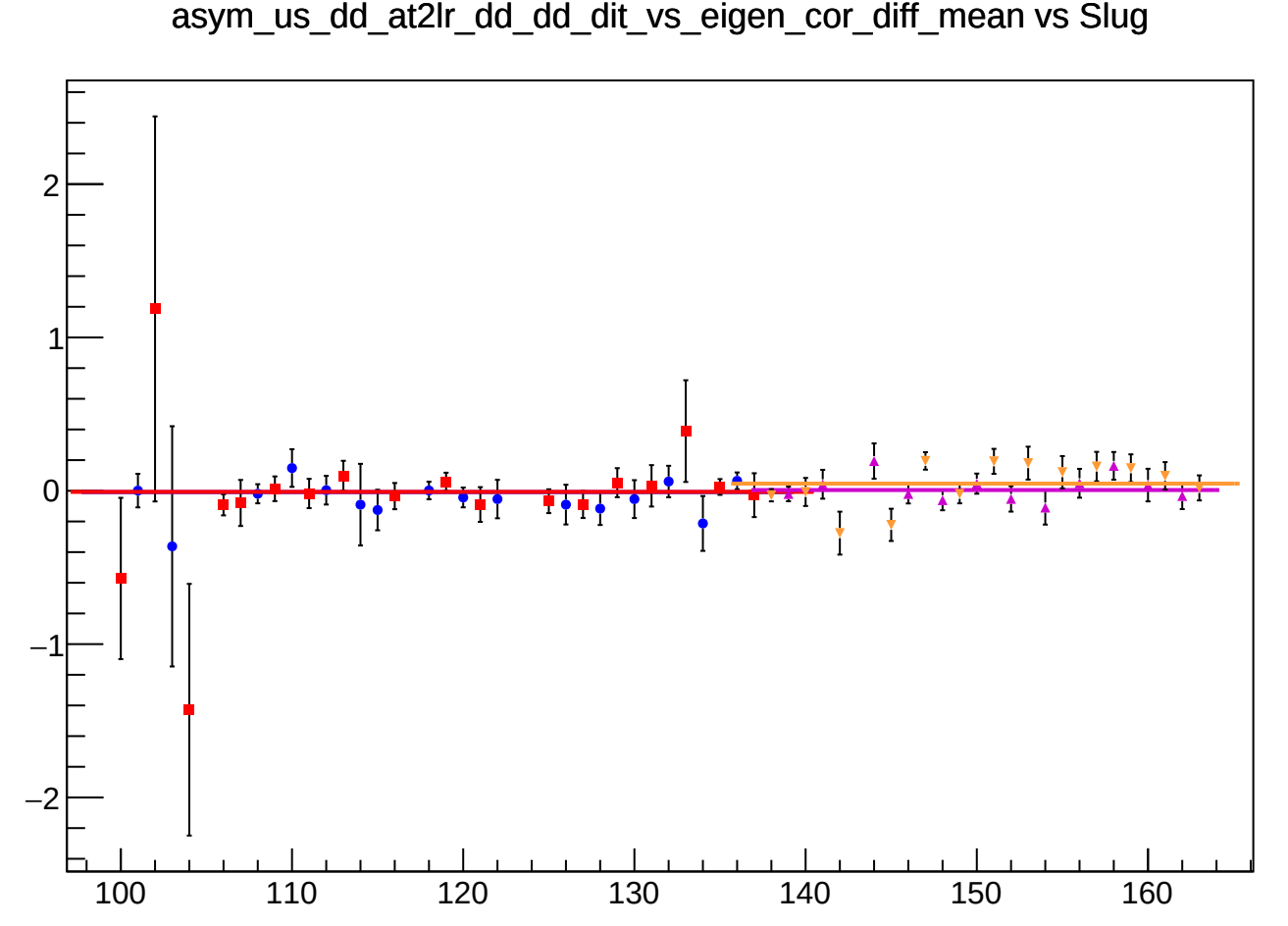
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 66.114+/-0.016 χ^2/NDF:1602738.6/11

+ sign 57.874+/-0.011 χ^2/NDF: 4625264.3/28

All: 57.832+/-0.008 χ^2/NDF: 9811558.4/58

- sign 57.789+/-0.011 χ^2/NDF: 5186264.4/29



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

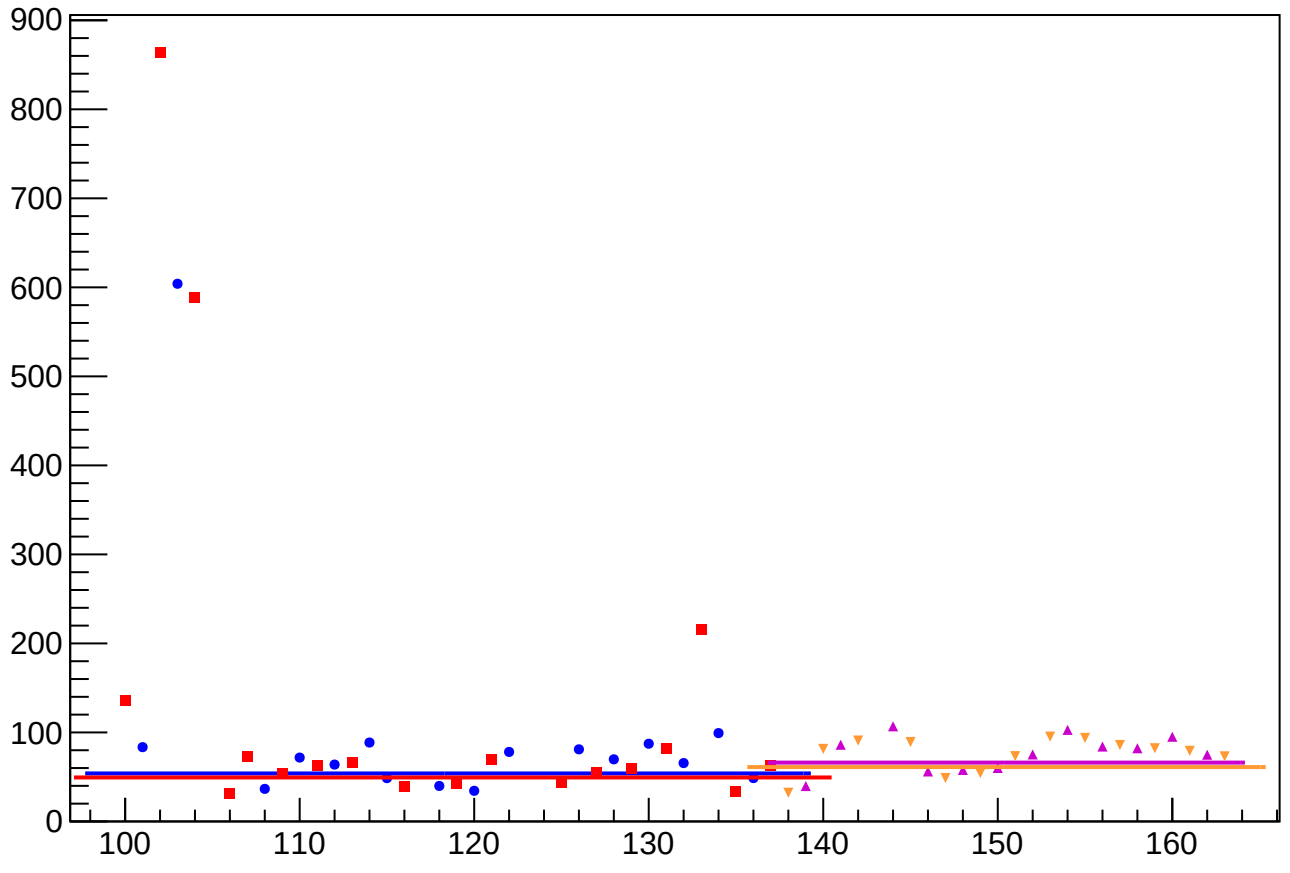
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.005+/-0.022 χ^2/NDF:9.8/11

+ sign 0.022+/-0.015 χ^2/NDF: 43.4/28

All: 0.011+/-0.011 χ^2/NDF: 68.1/58

- sign -0.001+/-0.016 χ^2/NDF: 23.6/29



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 61.104+/-0.015 χ^2/NDF:2304779.1/12

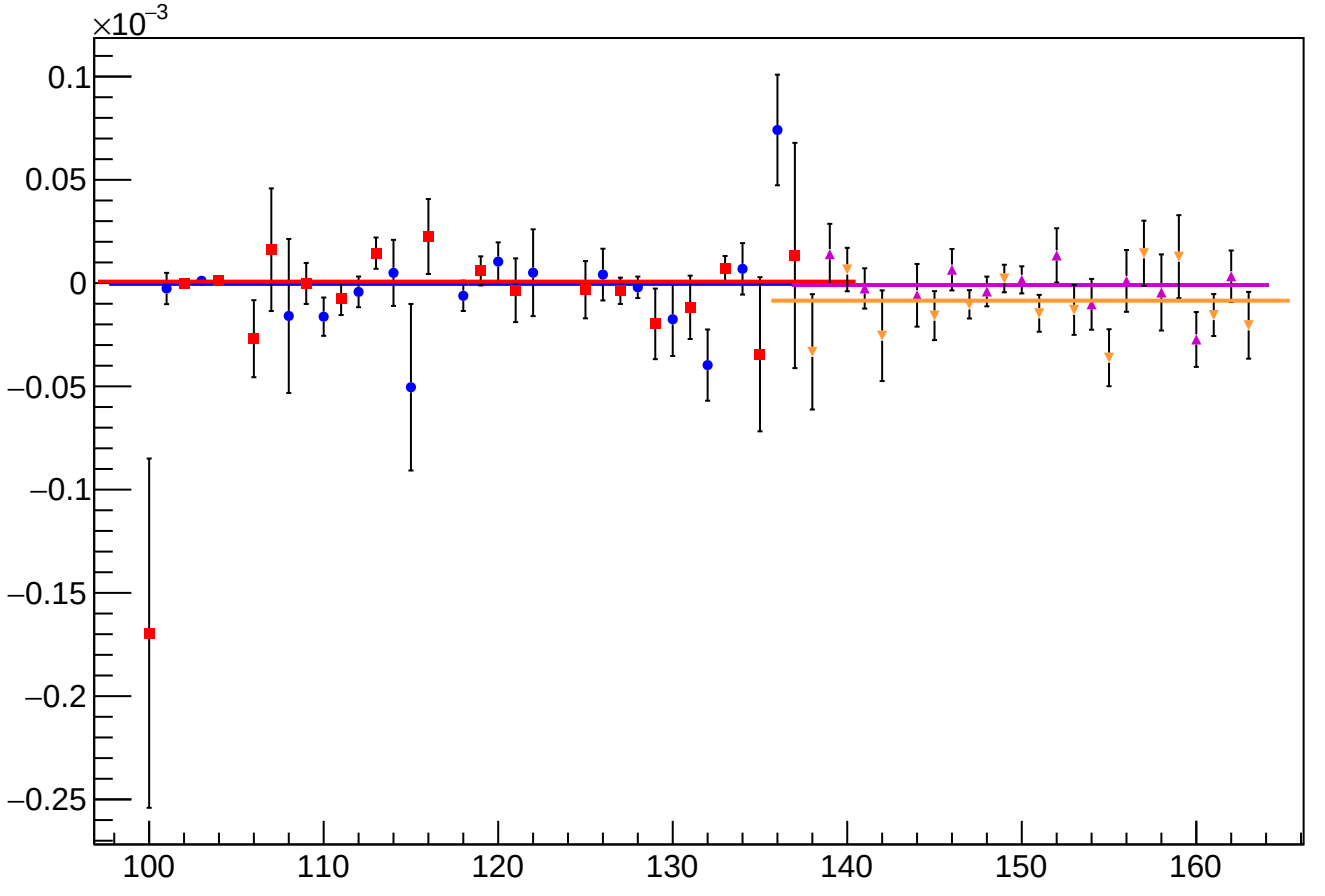
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 66.114+/-0.016 χ^2/NDF:1602738.6/11

+ sign 57.874+/-0.011 χ^2/NDF: 4625264.3/28

All: 57.832+/-0.008 χ^2/NDF: 9811558.4/58

- sign 57.789+/-0.011 χ^2/NDF: 5186264.4/29



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/12

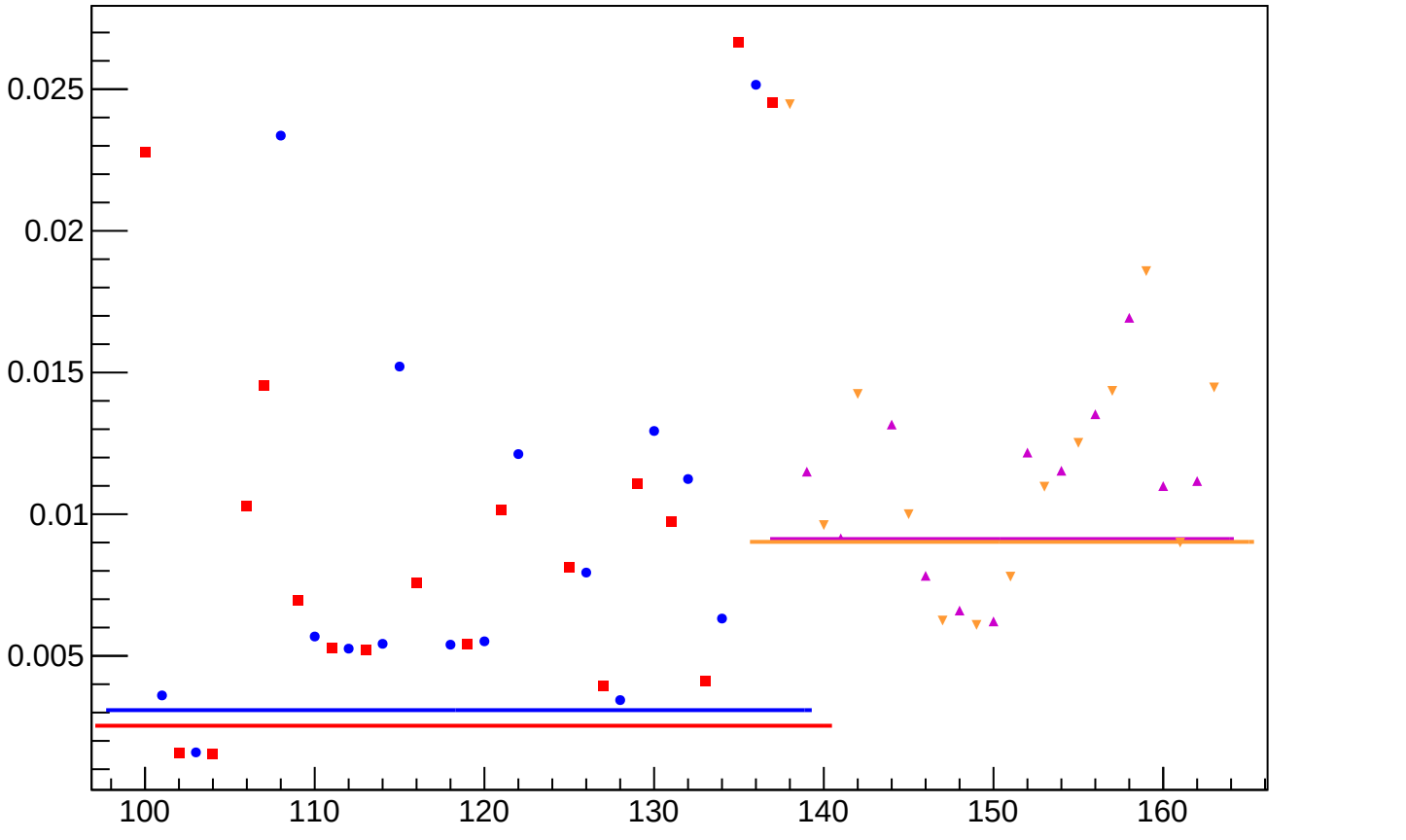
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/28

All: -0.000+/-0.000 χ^2/NDF: 71.0/58

- sign 0.000+/-0.000 χ^2/NDF: 26.0/29



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2582803.8/12

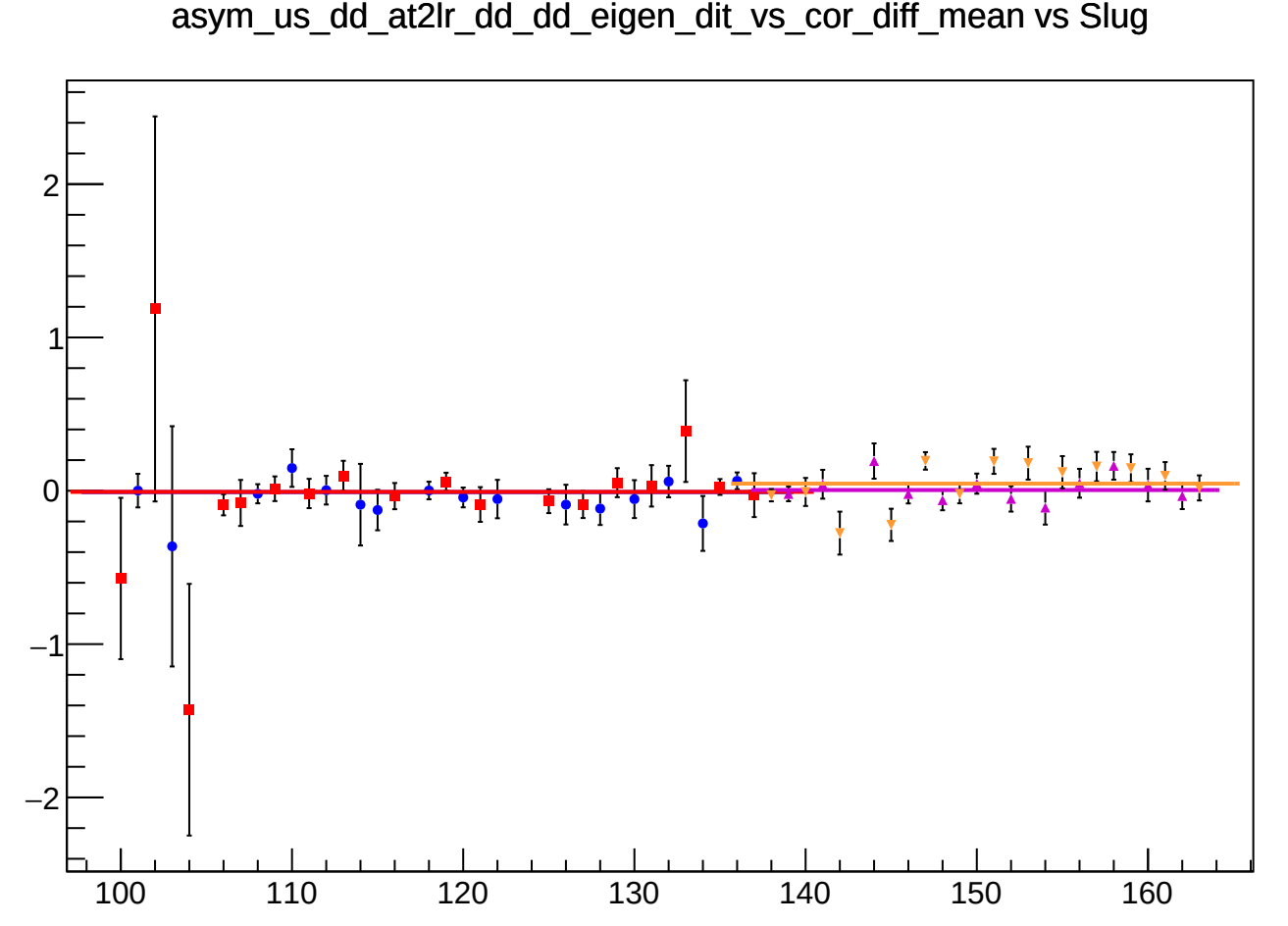
Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1674101.5/11

+ sign 0.004+/-0.000 χ^2/NDF: 14290204.5/28

All: 0.004+/-0.000 χ^2/NDF: 30409708.0/58

- sign 0.003+/-0.000 χ^2/NDF: 15627457.5/29



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

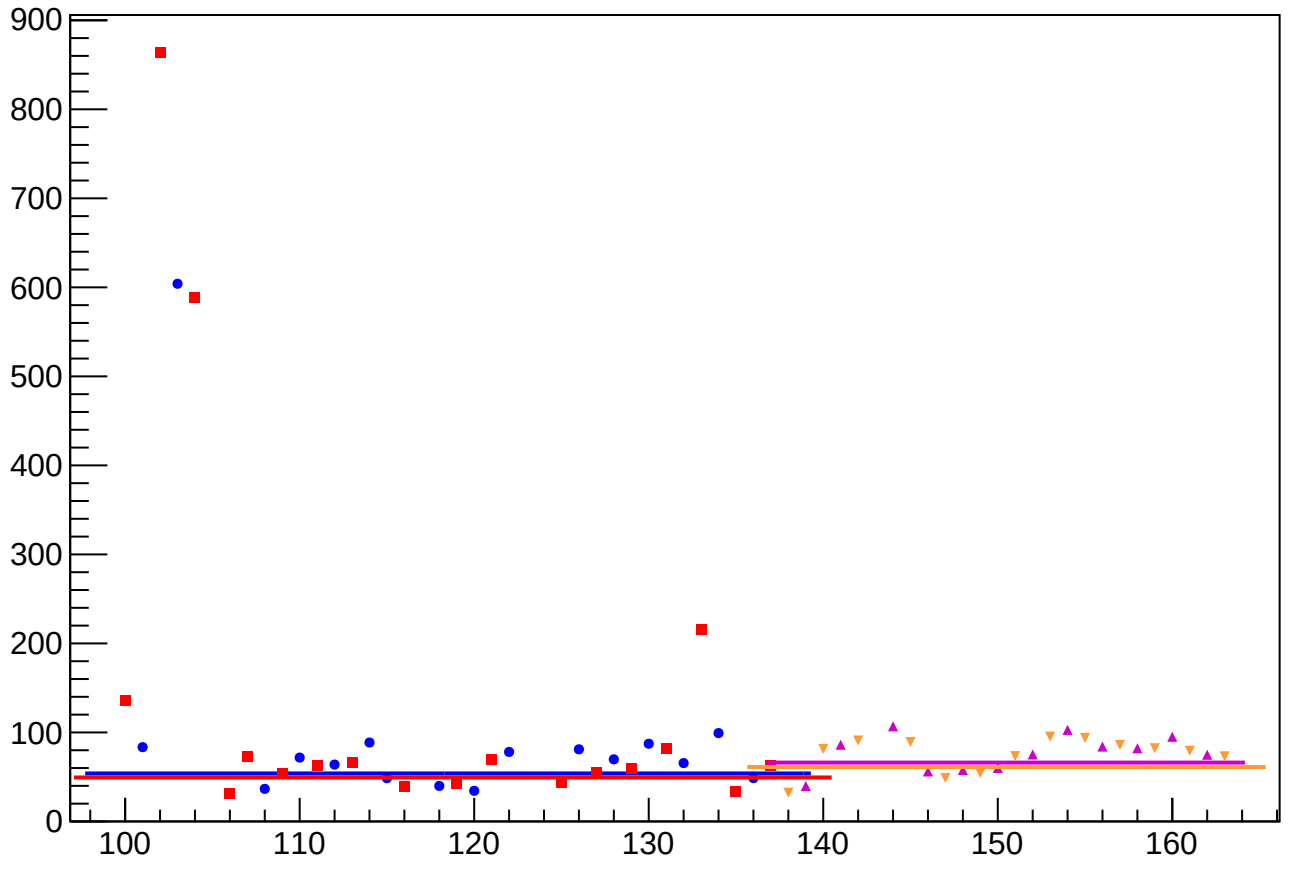
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.005+/-0.022 χ^2/NDF:9.8/11

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/28

All: 0.011+/-0.011 χ^2/NDF: 68.1/58

- sign -0.001+/-0.016 χ^2/NDF: 23.6/29



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

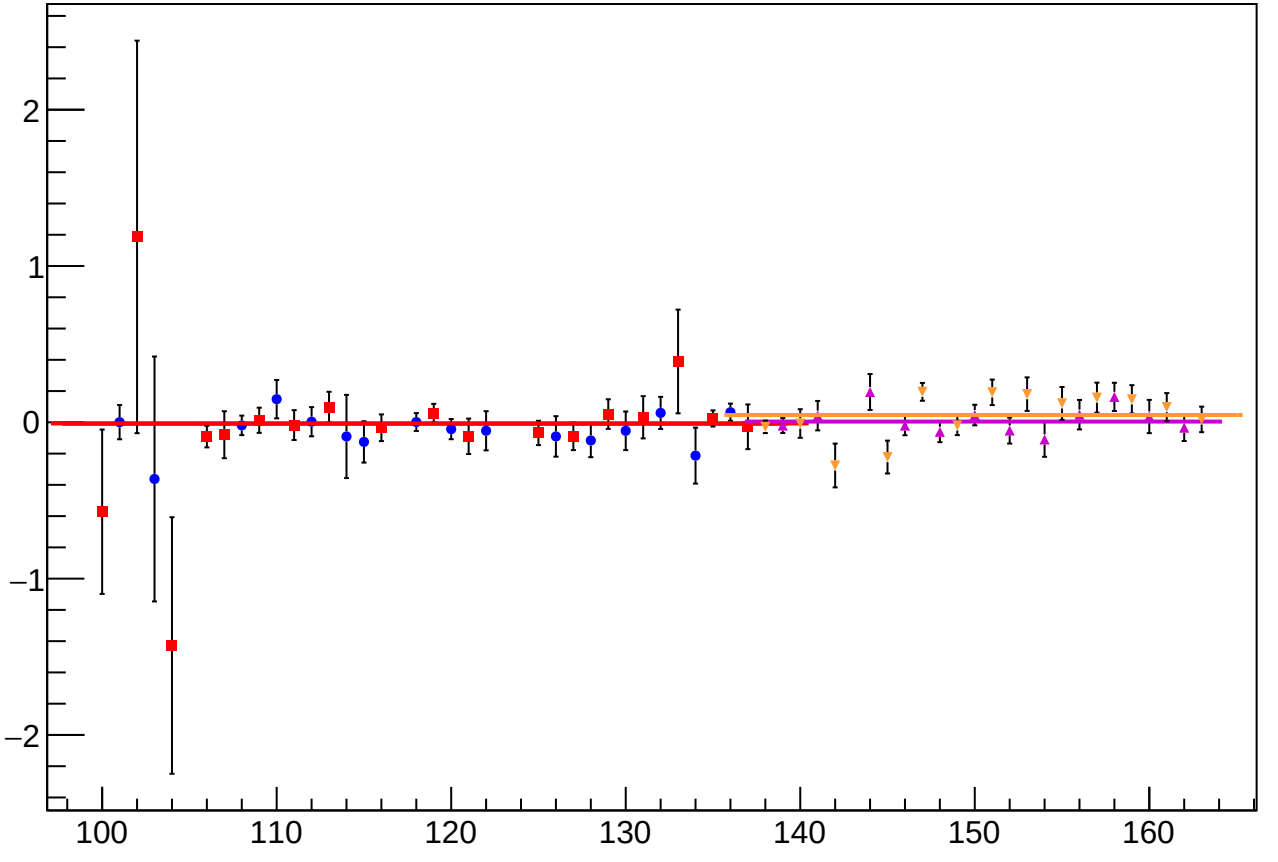
Left In: 66.113+/-0.016 χ^2/NDF:1602908.2/11

+ sign 57.878+/-0.011 χ^2/NDF: 4623977.1/28

All: 57.834+/-0.008 χ^2/NDF: 9809952.6/58

- sign 57.790+/-0.011 χ^2/NDF: 5185944.1/29

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.047+/-0.021 χ^2/NDF:32.0/12

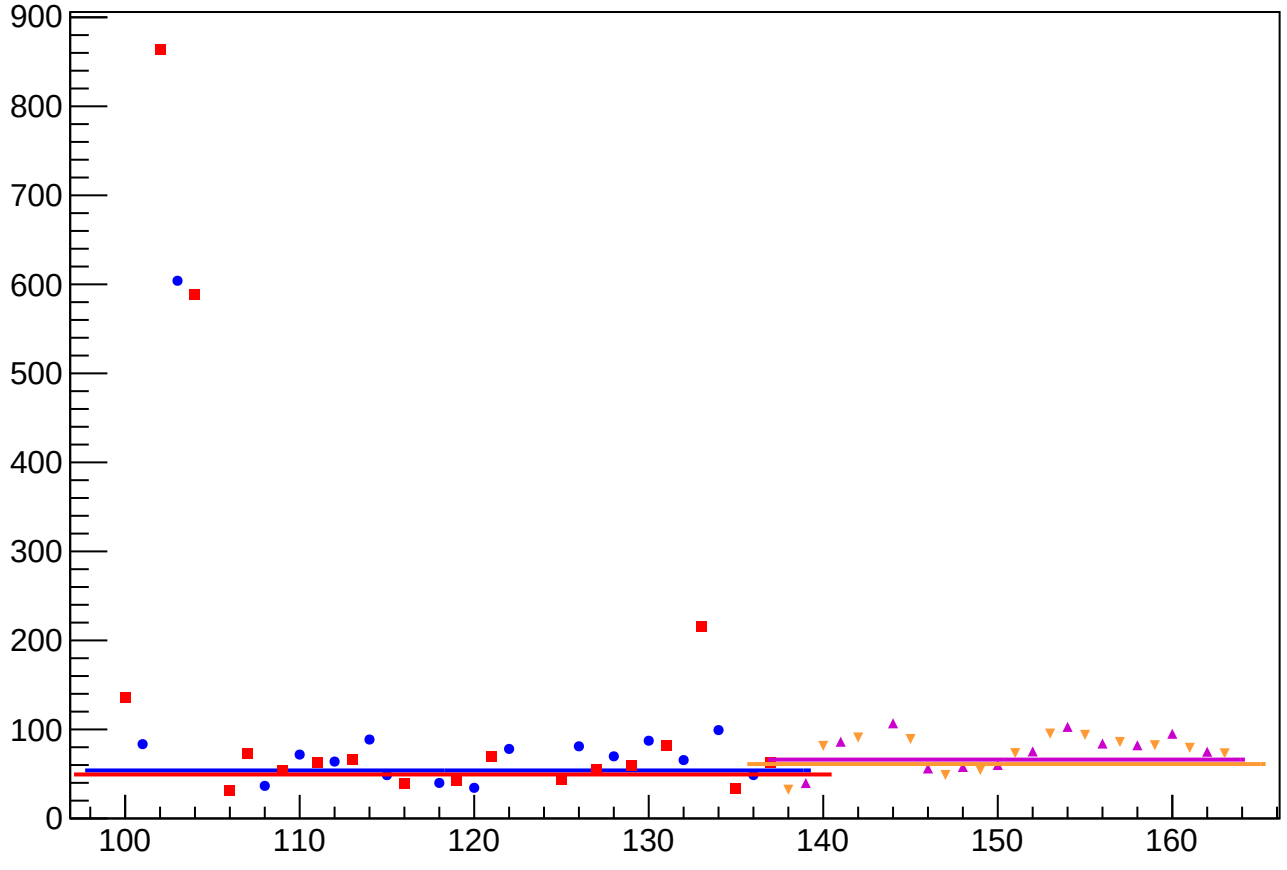
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.005+/-0.022 χ^2/NDF:9.8/11

+ sign 0.022+/-0.016 χ^2/NDF: 43.4/28

All: 0.011+/-0.011 χ^2/NDF: 68.1/58

- sign -0.001+/-0.016 χ^2/NDF: 23.6/29



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 61.107+/-0.015 χ^2/NDF:2303907.6/12

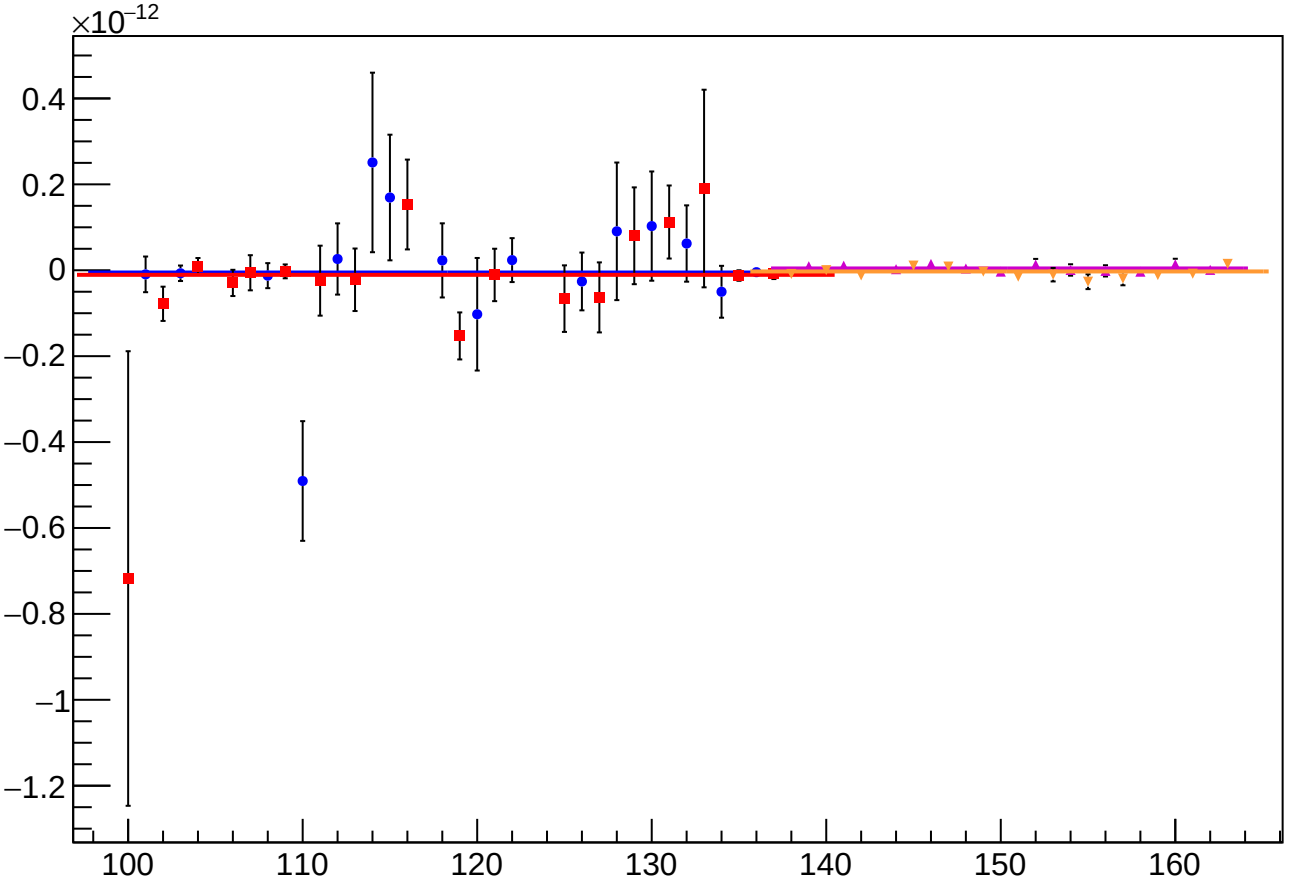
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 66.113+/-0.016 χ^2/NDF:1602908.2/11

+ sign 57.878+/-0.011 χ^2/NDF: 4623977.1/28

All: 57.834+/-0.008 χ^2/NDF: 9809952.6/58

- sign 57.790+/-0.011 χ^2/NDF: 5185944.1/29



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/12

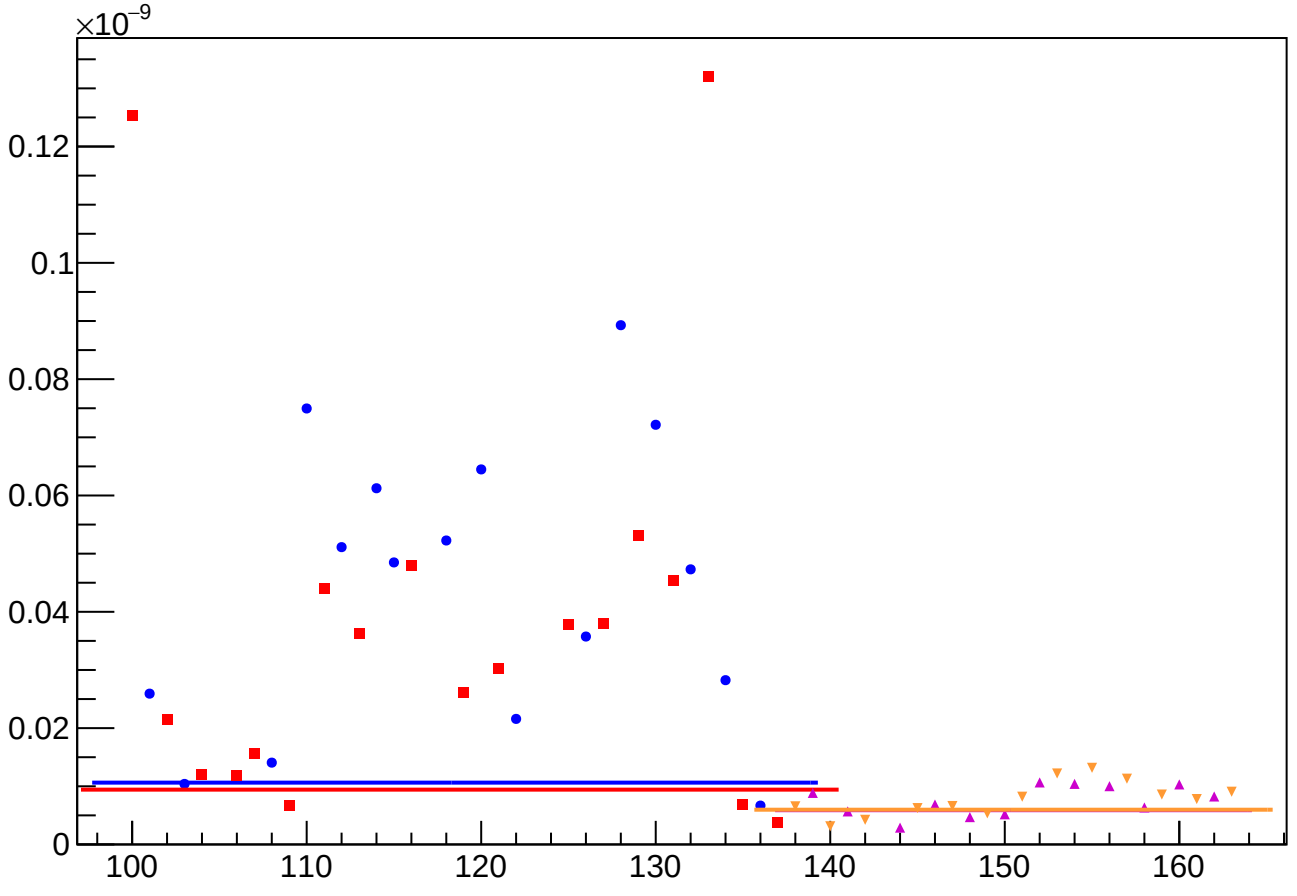
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/28

All: -0.000+/-0.000 χ^2/NDF: 66.3/58

- sign 0.000+/-0.000 χ^2/NDF: 30.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2194954.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

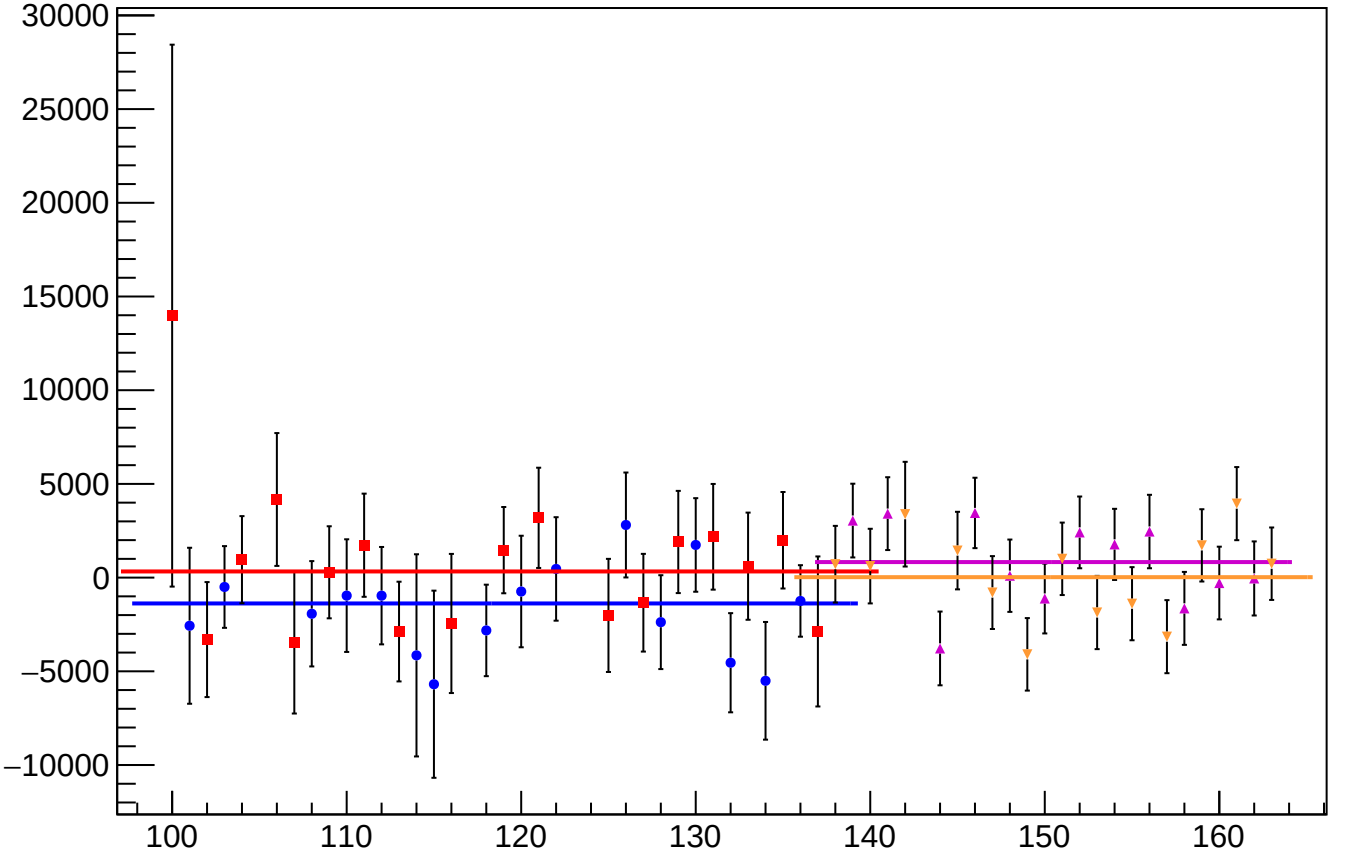
Left In: 0.000+/-0.000 χ^2/NDF:2016232.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 7573707.6/28

All: 0.000+/-0.000 χ^2/NDF: 14150338.9/58

- sign 0.000+/-0.000 χ^2/NDF: 6570647.5/29

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 23.424+/-555.624 χ^2/NDF:16.2/12

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

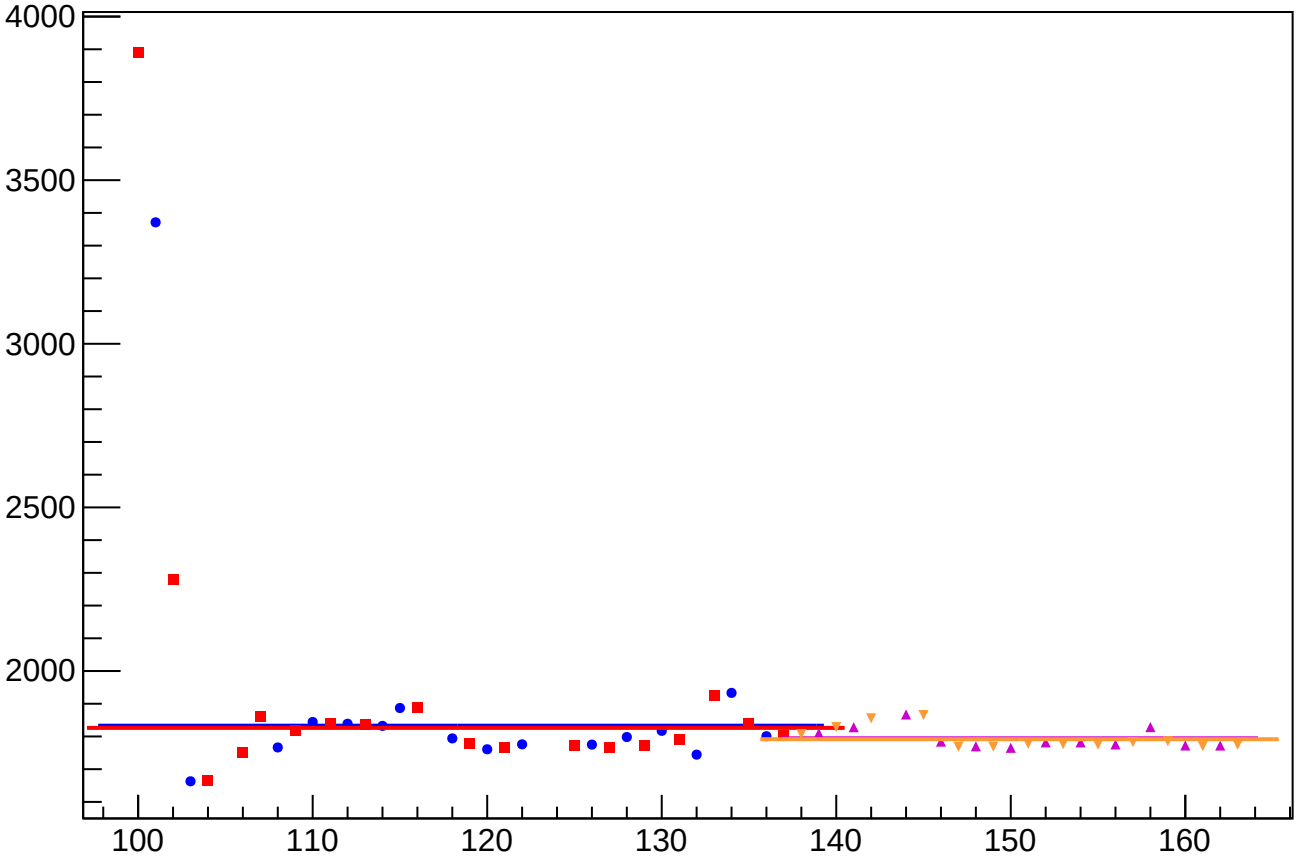
Left In: 828.981+/-557.452 χ^2/NDF:15.5/11

+ sign -529.085+/-432.519 χ^2/NDF: 28.0/28

All: 50.681+/-305.686 χ^2/NDF: 58.4/58

- sign 629.301+/-432.091 χ^2/NDF: 26.8/29

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

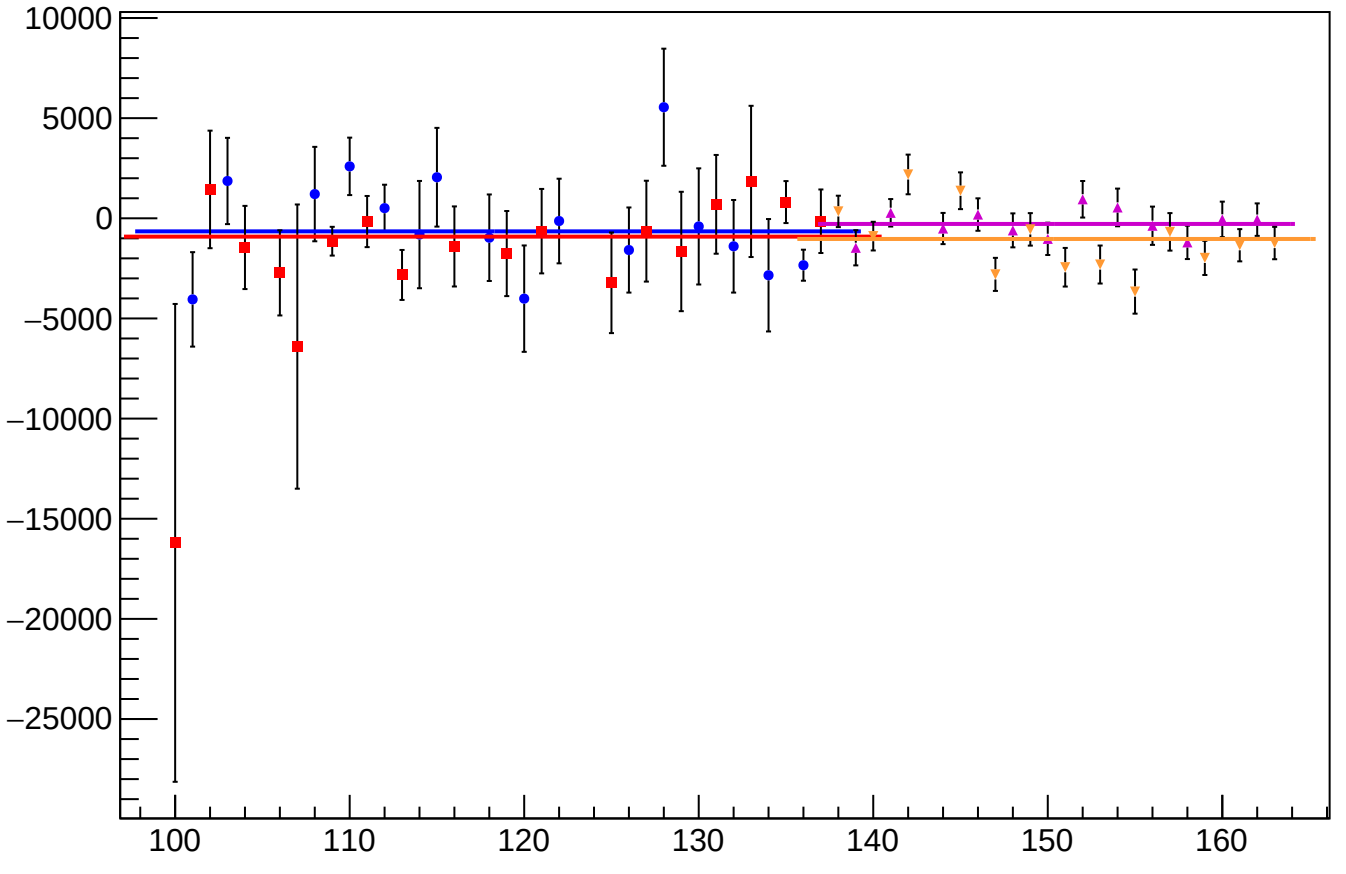
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

+ sign 1807.884+/-0.306 χ^2/NDF: 305588.8/28

All: 1807.474+/-0.216 χ^2/NDF: 417020.4/58

- sign 1807.065+/-0.306 χ^2/NDF: 111428.0/29



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1031.638+/-239.901 χ^2/NDF:36.7/12

Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

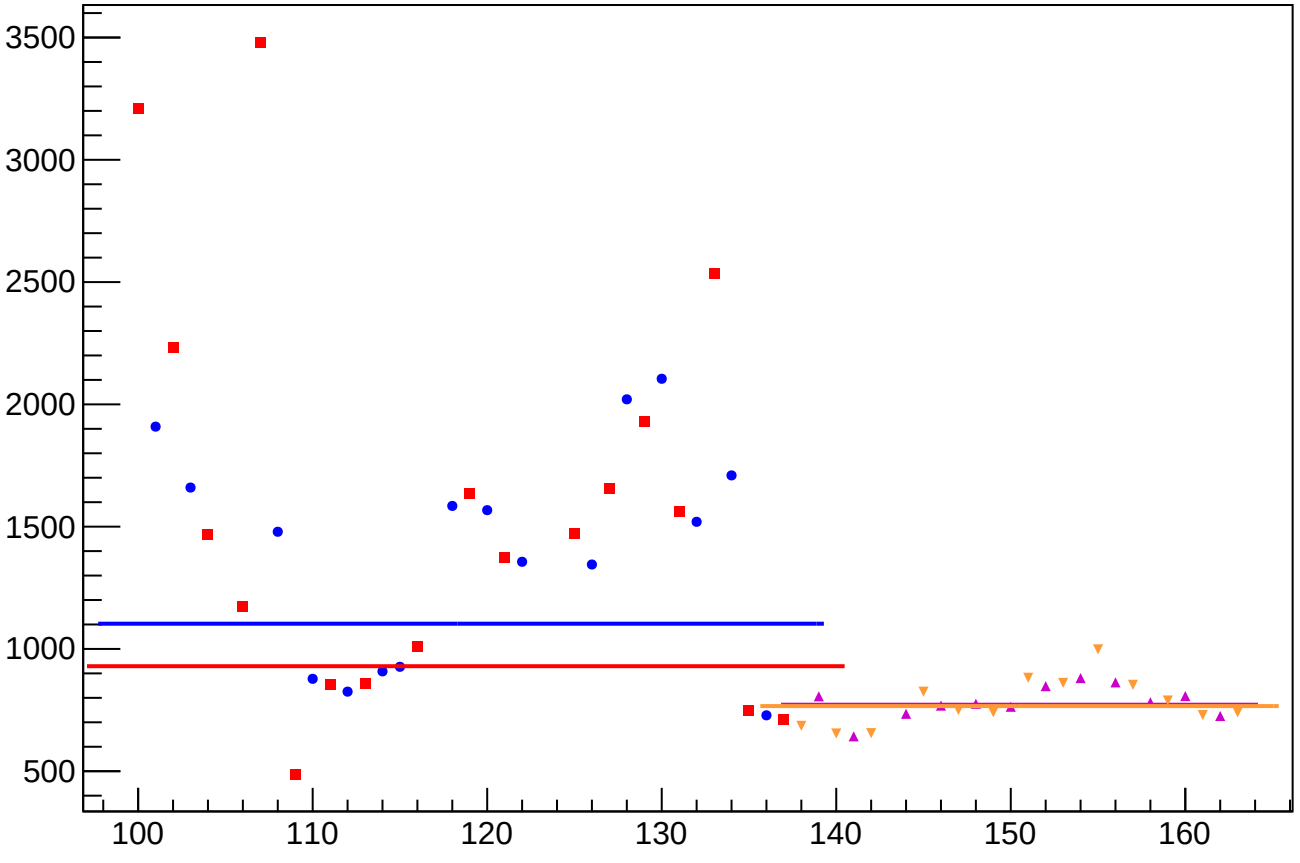
Left In: -281.644+/-241.262 χ^2/NDF:7.9/11

+ sign -945.277+/-210.861 χ^2/NDF: 60.5/28

All: -693.853+/-147.231 χ^2/NDF: 84.6/58

- sign -454.656+/-205.670 χ^2/NDF: 21.3/29

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: 766.267+/-0.170 χ^2/NDF:268579.4/12

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

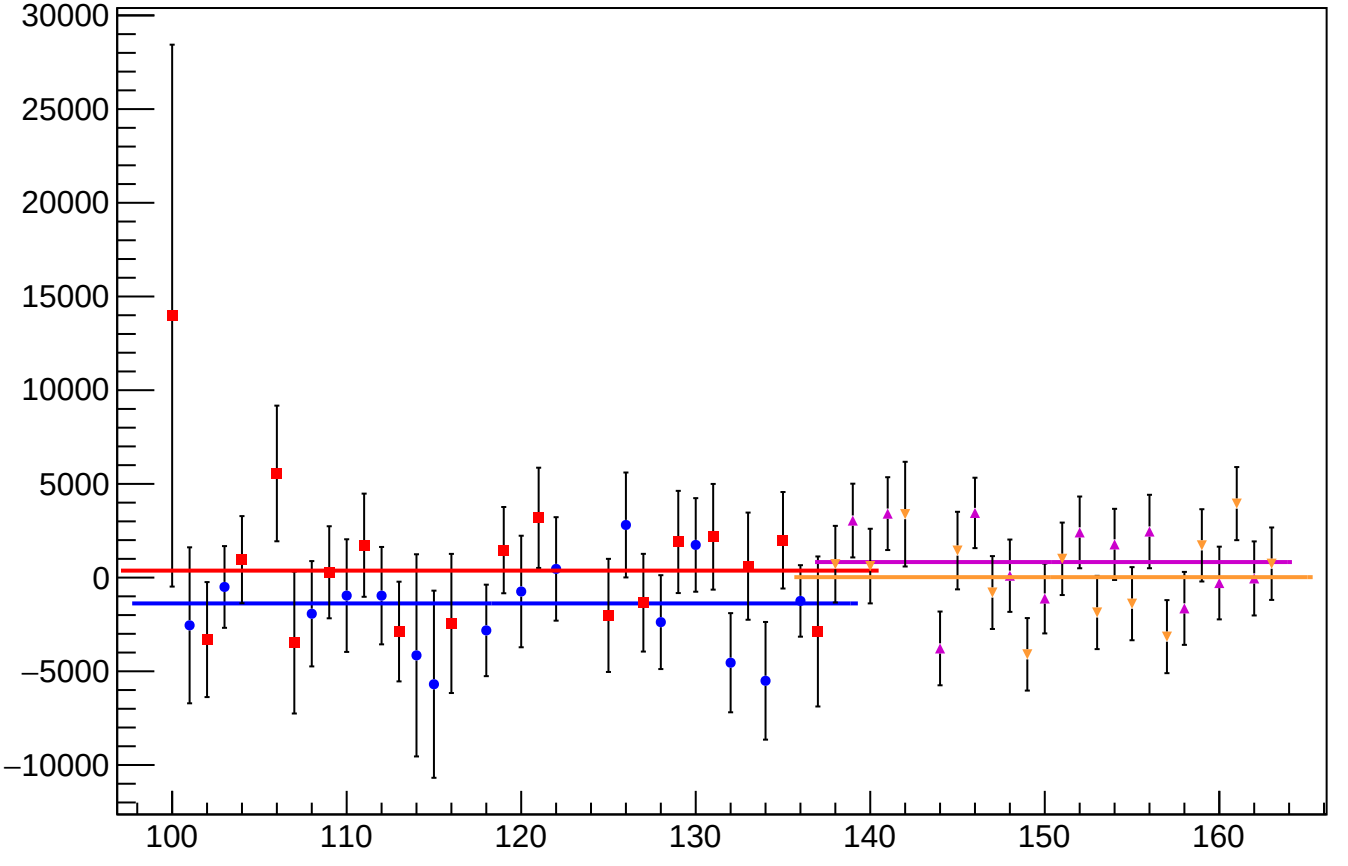
Left In: 771.884+/-0.171 χ^2/NDF:147856.5/11

\+ sign 842.899+/-0.149 χ^2/NDF: 3043958.9/28

All: 828.560+/-0.104 χ^2/NDF: 6496808.7/58

\- sign 814.919+/-0.145 χ^2/NDF: 3434804.5/29

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 23.560+/-555.624 χ^2/NDF:16.2/12

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

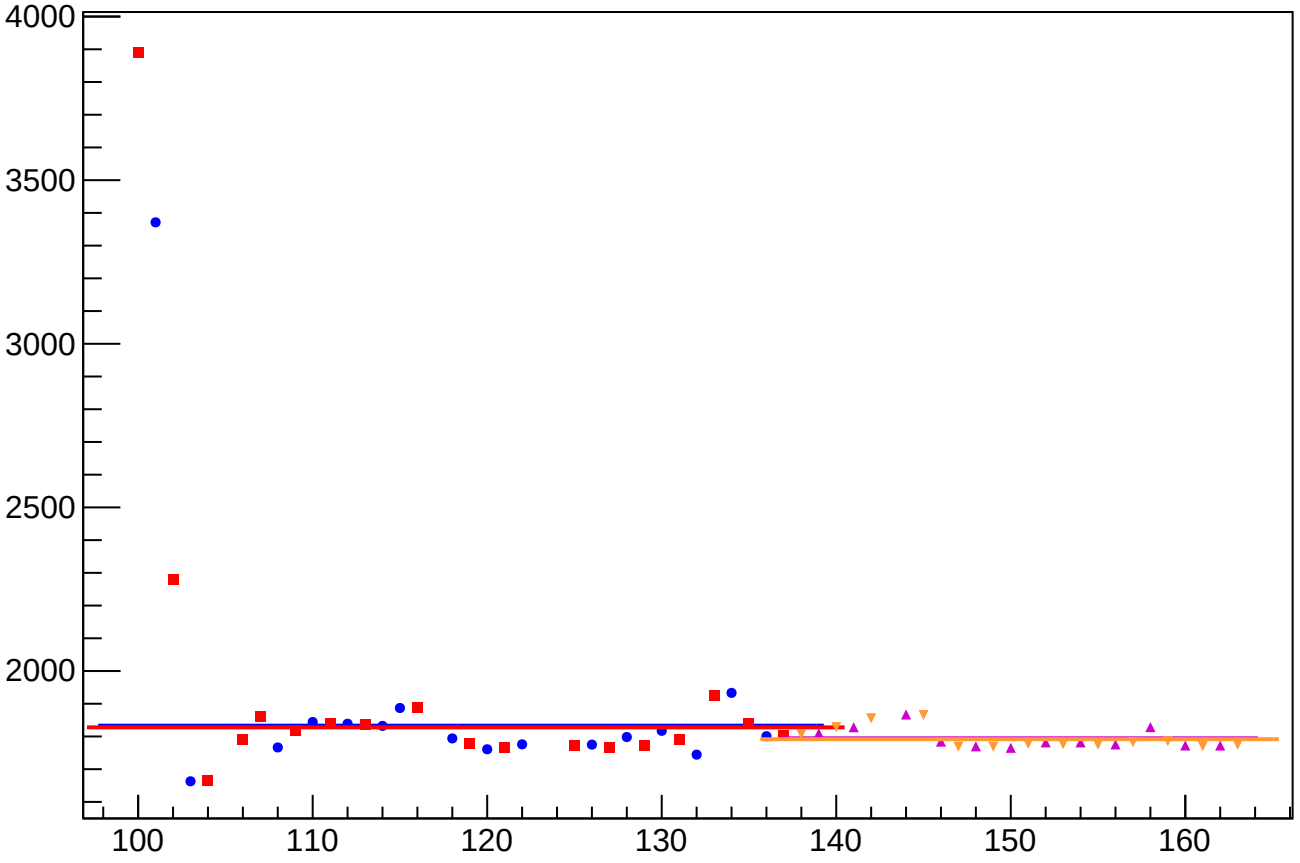
Left In: 828.933+/-557.452 χ^2/NDF:15.5/11

\+ sign -528.755+/-432.519 χ^2/NDF: 28.0/28

All: 59.480+/-305.732 χ^2/NDF: 59.3/58

\- sign 646.909+/-432.223 χ^2/NDF: 27.7/29

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

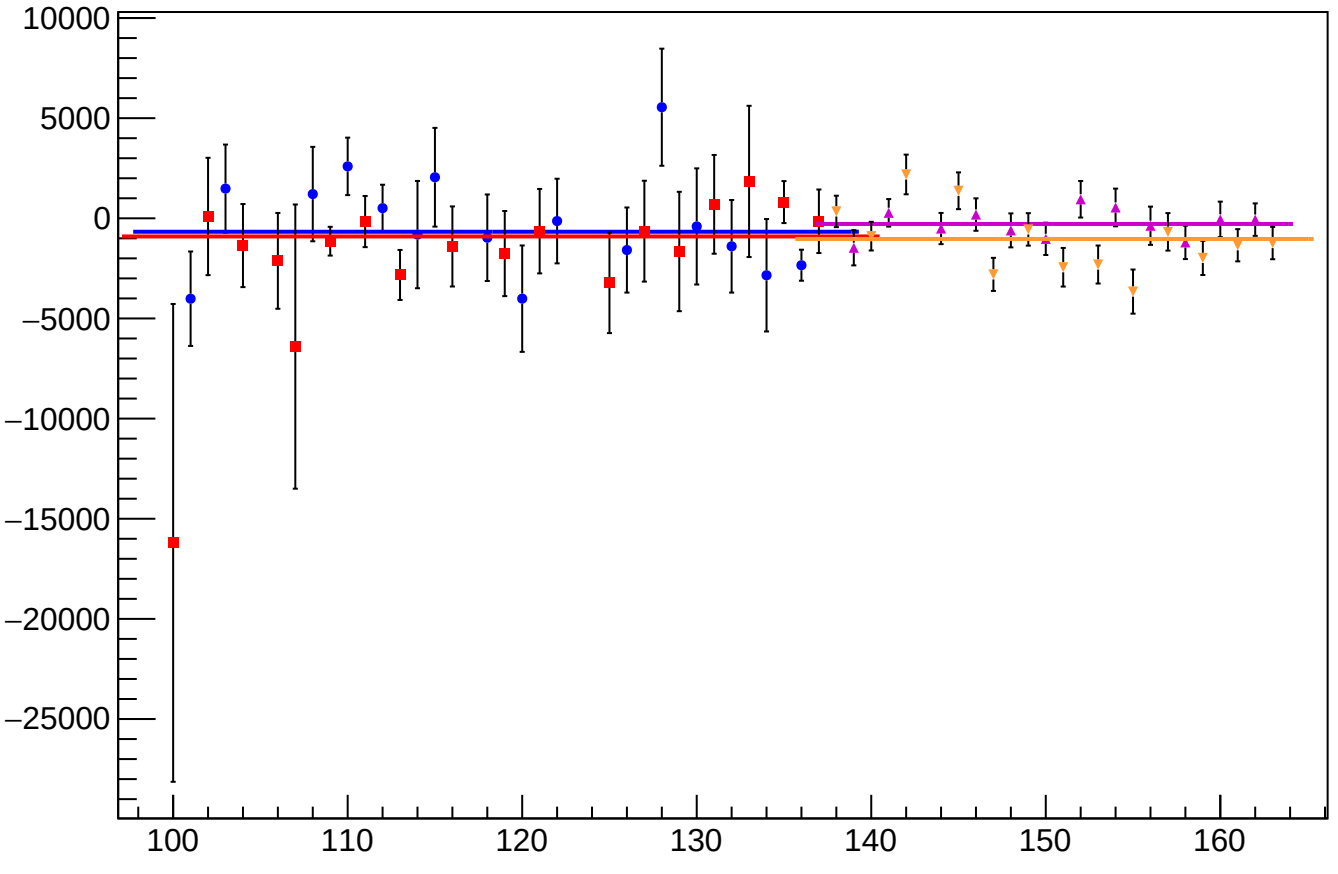
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

+ sign 1807.884+/-0.306 χ^2/NDF: 305590.7/28

All: 1807.783+/-0.216 χ^2/NDF: 416544.6/58

- sign 1807.682+/-0.306 χ^2/NDF: 110953.6/29



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1031.581+/-239.903 χ^2/NDF:36.7/12

Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

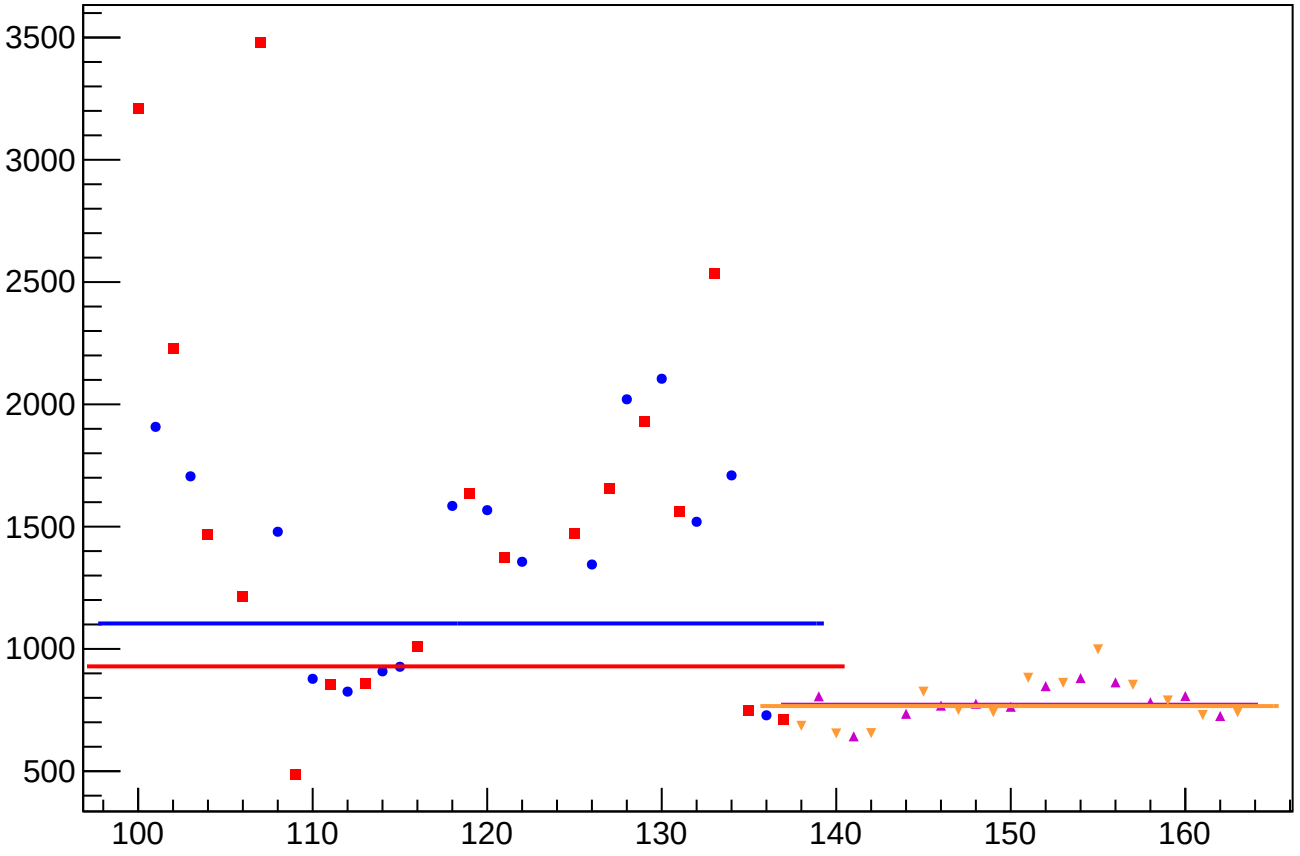
Left In: -281.515+/-241.263 χ^2/NDF:7.9/11

+ sign -949.568+/-210.902 χ^2/NDF: 60.0/28

All: -694.402+/-147.318 χ^2/NDF: 83.1/58

- sign -451.272+/-205.868 χ^2/NDF: 20.2/29

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

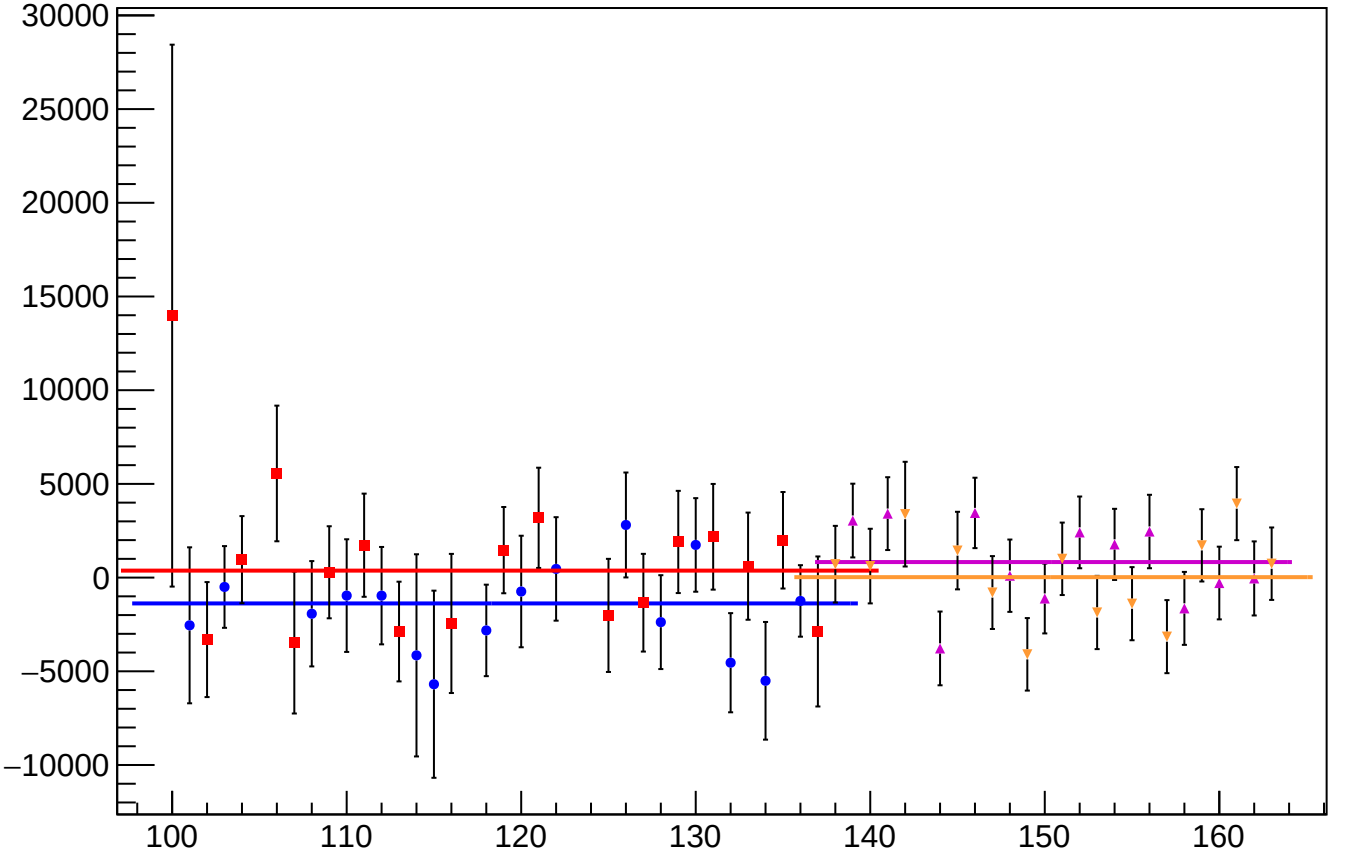
Left In: 771.886+/-0.171 χ^2/NDF:147909.2/11

\+ sign 843.014+/-0.149 χ^2/NDF: 3063932.5/28

All: 828.414+/-0.104 χ^2/NDF: 6514459.7/58

\- sign 814.502+/-0.146 χ^2/NDF: 3431810.1/29

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: 23.560+/-555.624 χ^2/NDF:16.2/12

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

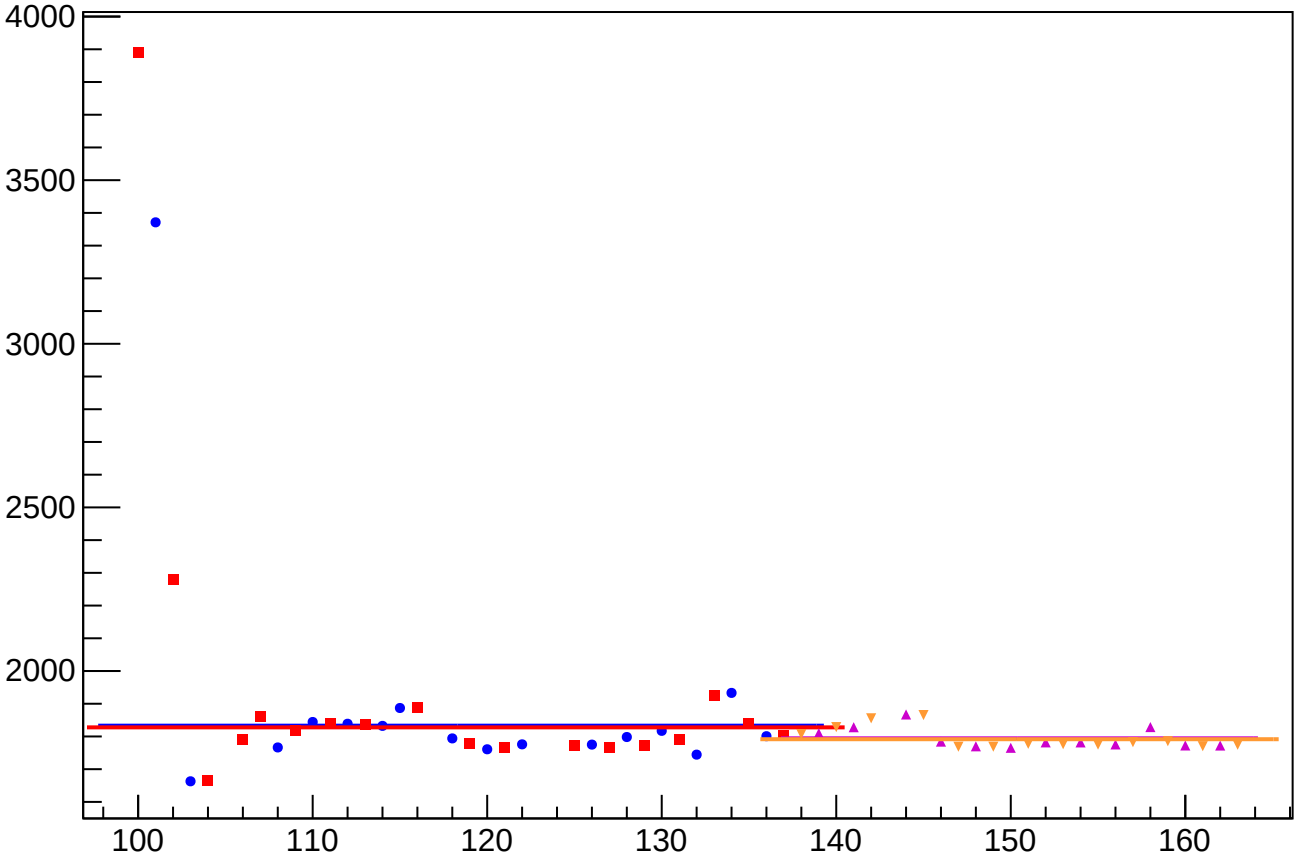
Left In: 828.933+/-557.452 χ^2/NDF:15.5/11

+ sign -528.755+/-432.519 χ^2/NDF: 28.0/28

All: 59.480+/-305.732 χ^2/NDF: 59.3/58

- sign 646.909+/-432.223 χ^2/NDF: 27.7/29

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: 1791.586+/-0.393 χ^2/NDF:5782.5/12

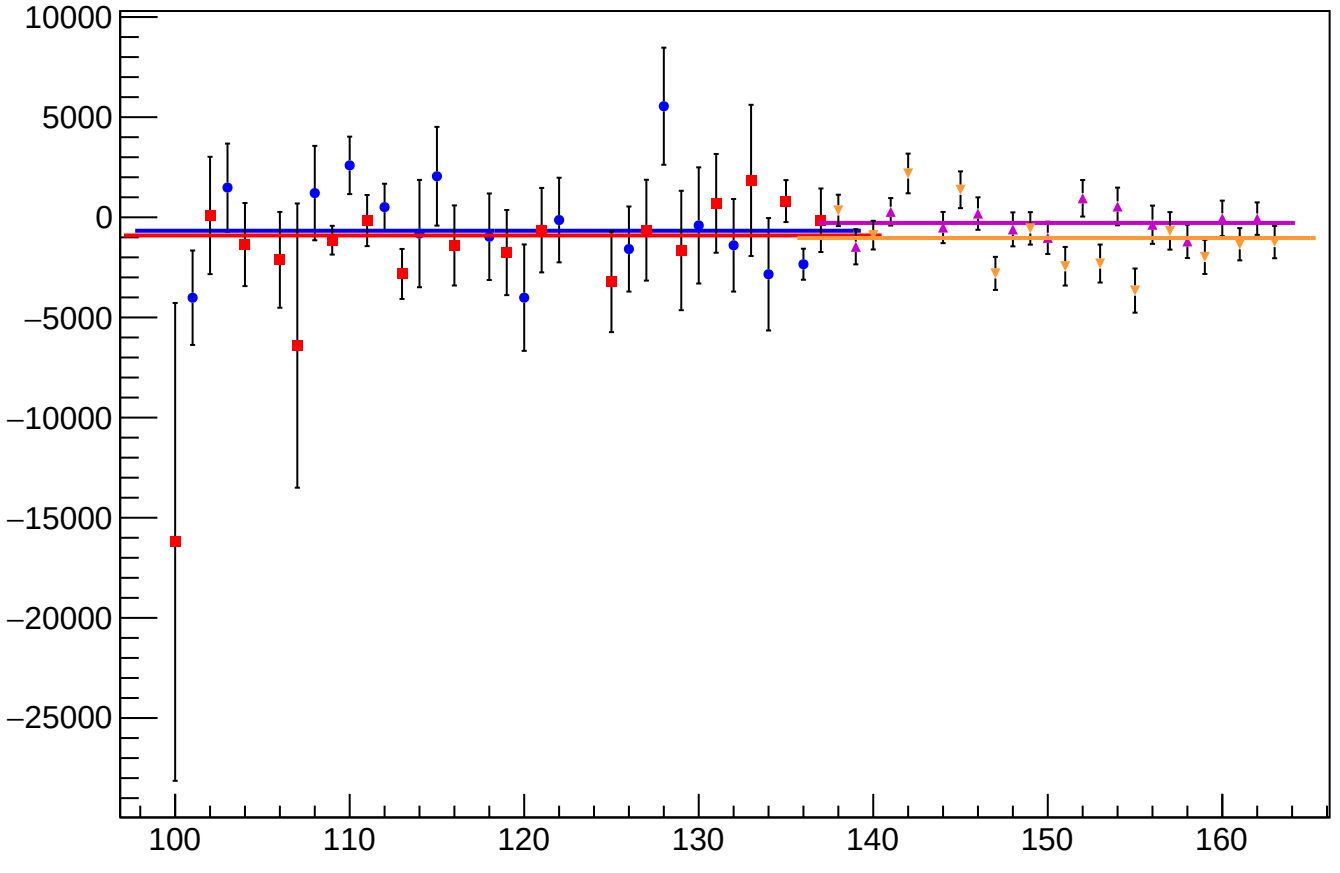
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

+ sign 1807.884+/-0.306 χ^2/NDF: 305590.7/28

All: 1807.783+/-0.216 χ^2/NDF: 416544.6/58

- sign 1807.682+/-0.306 χ^2/NDF: 110953.6/29



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1031.581+/-239.903 χ^2/NDF:36.7/12

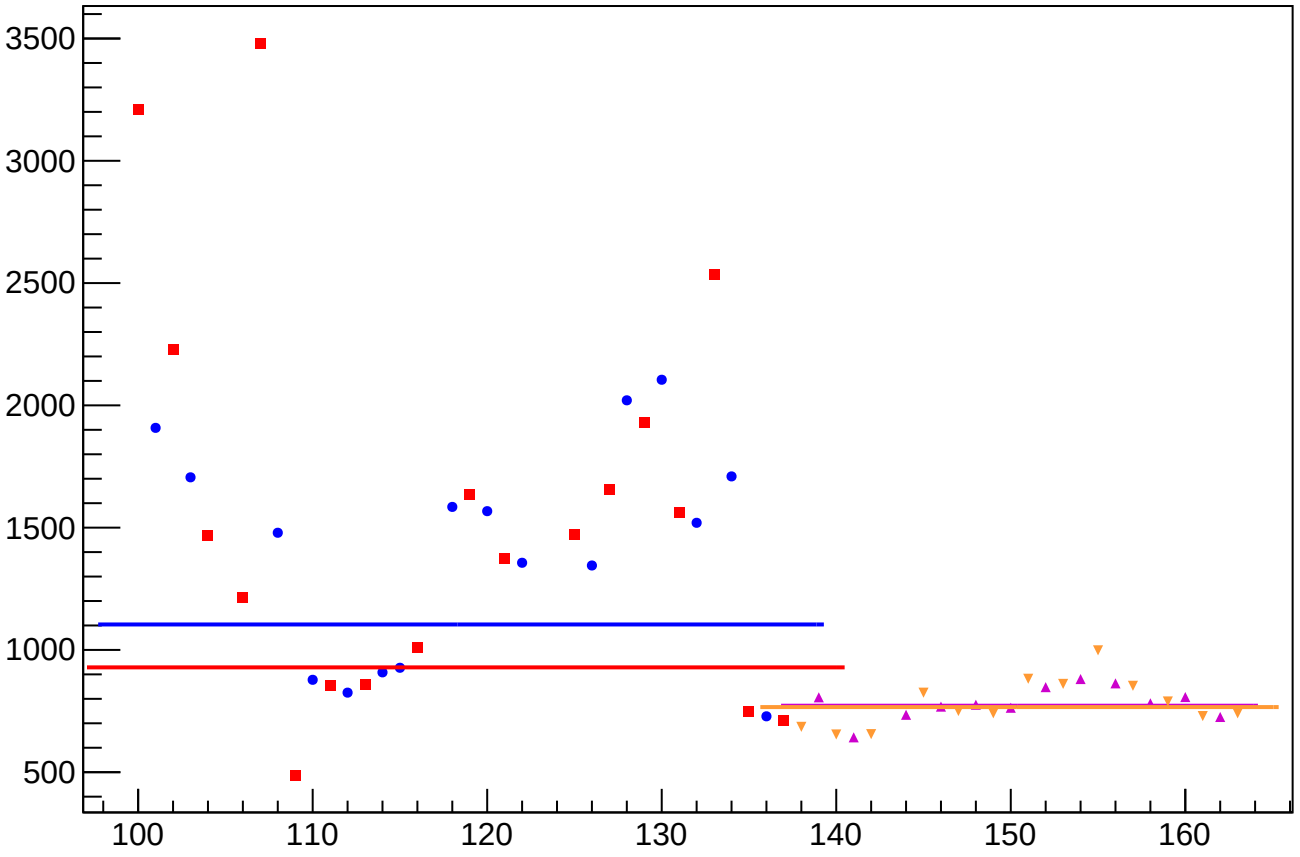
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -281.515+/-241.263 χ^2/NDF:7.9/11

+ sign -949.568+/-210.902 χ^2/NDF: 60.0/28

All: -694.402+/-147.318 χ^2/NDF: 83.1/58

- sign -451.272+/-205.868 χ^2/NDF: 20.2/29



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

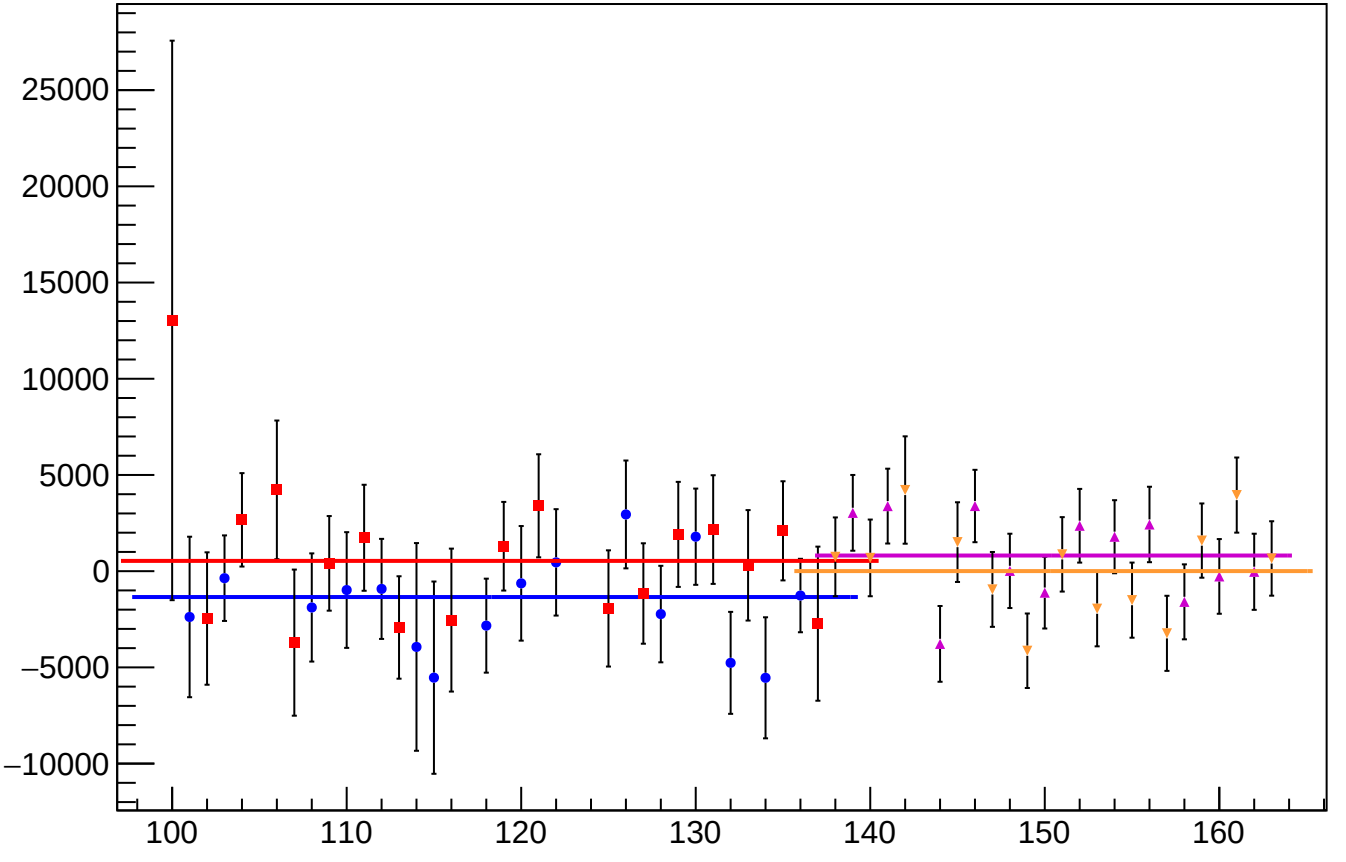
Left In: 771.886+/-0.171 χ^2/NDF:147909.2/11

\+ sign 843.014+/-0.149 χ^2/NDF: 3063932.5/28

All: 828.414+/-0.104 χ^2/NDF: 6514459.7/58

\- sign 814.502+/-0.146 χ^2/NDF: 3431810.1/29

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 4.163+/-555.979 χ^2/NDF:17.3/12

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

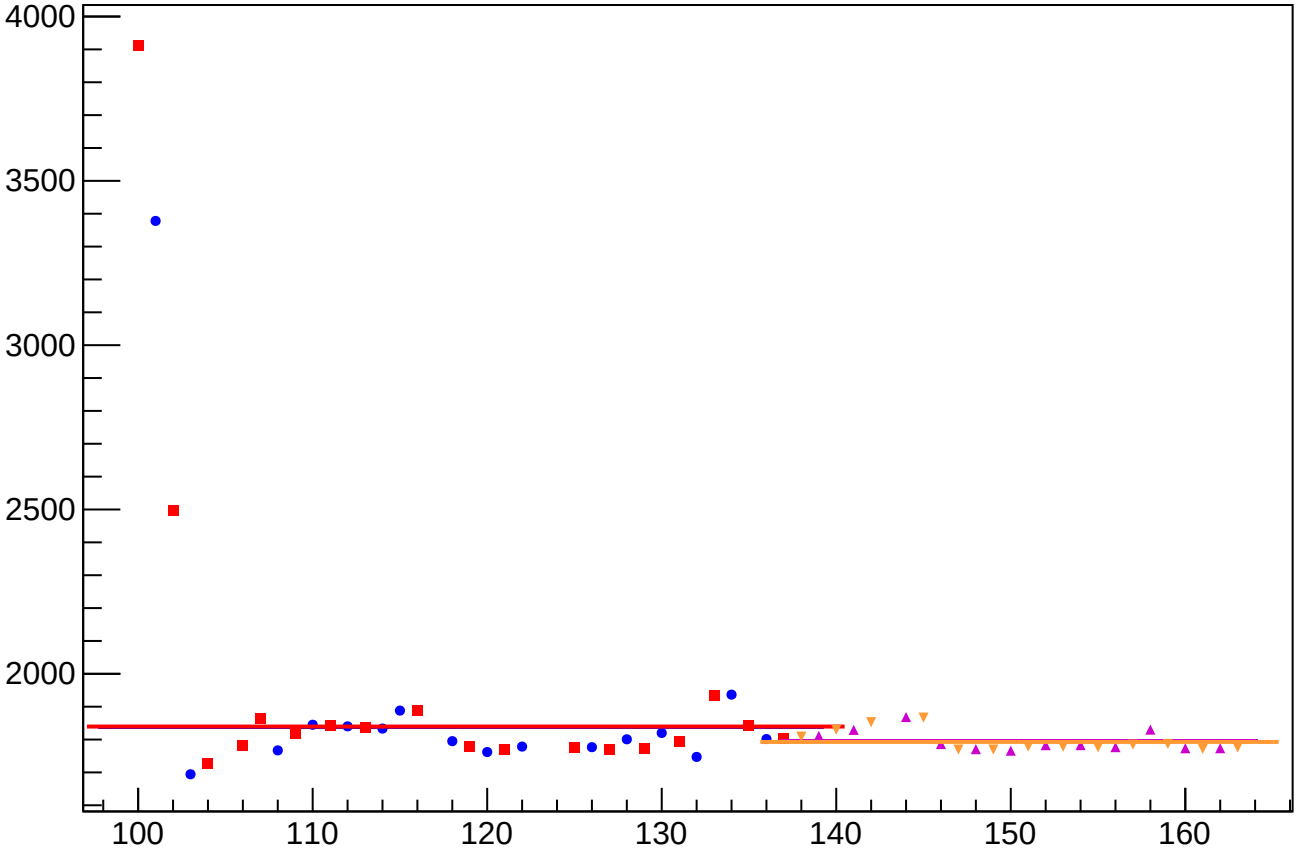
Left In: 813.376+/-557.833 χ^2/NDF:15.2/11

+ sign -525.669+/-433.158 χ^2/NDF: 29.2/28

All: 87.522+/-306.600 χ^2/NDF: 59.6/58

- sign 703.215+/-434.040 χ^2/NDF: 26.4/29

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.720+/-0.393 χ^2/NDF:5687.2/12

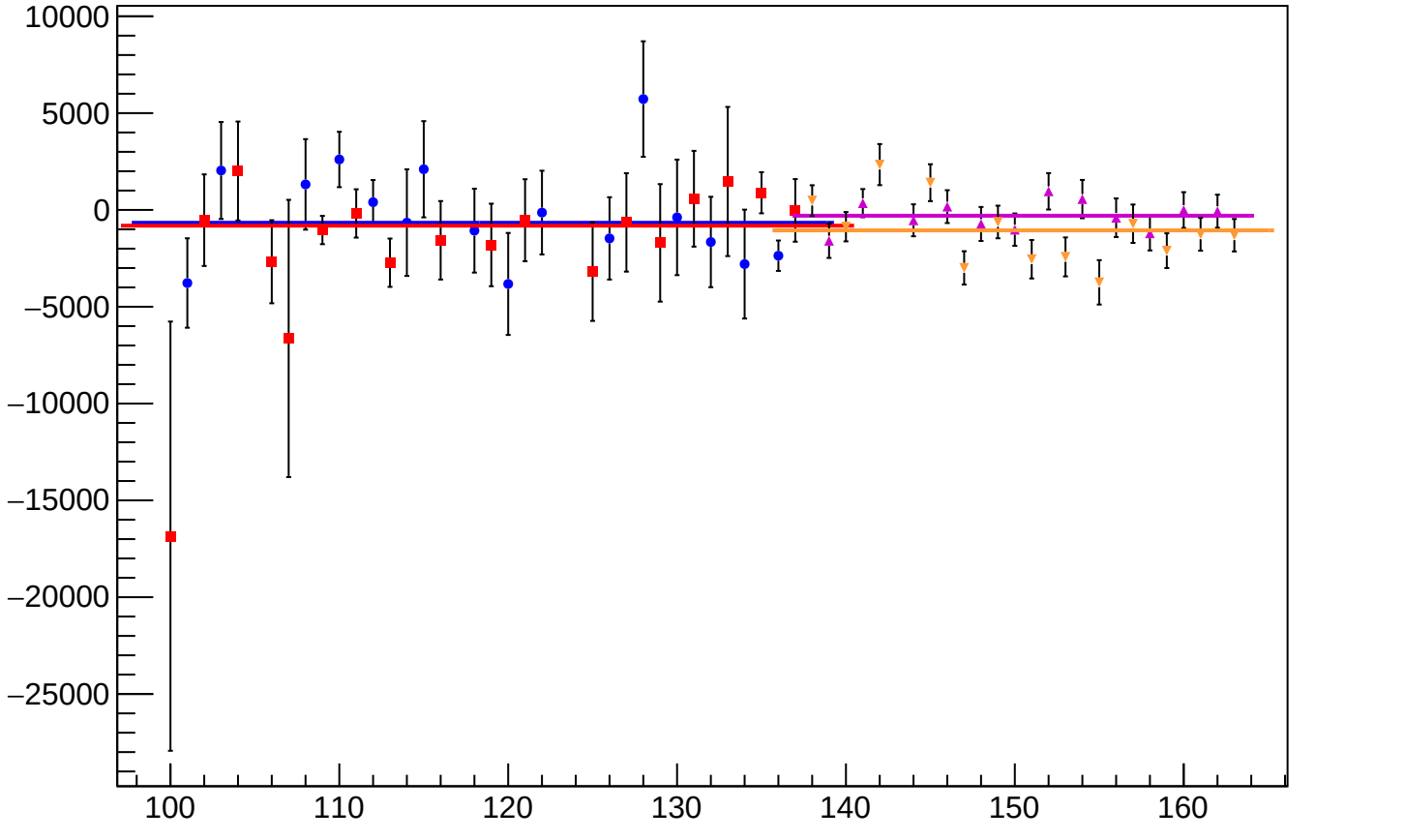
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1795.568+/-0.394 χ^2/NDF:5846.1/11

+ sign 1810.578+/-0.306 χ^2/NDF: 302921.6/28

All: 1811.741+/-0.217 χ^2/NDF: 441948.9/58

- sign 1812.910+/-0.307 χ^2/NDF: 138998.3/29



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1055.695+/-250.642 χ^2/NDF:37.3/12

Right Out: -812.187+/-397.187 χ^2/NDF: 12.2/17

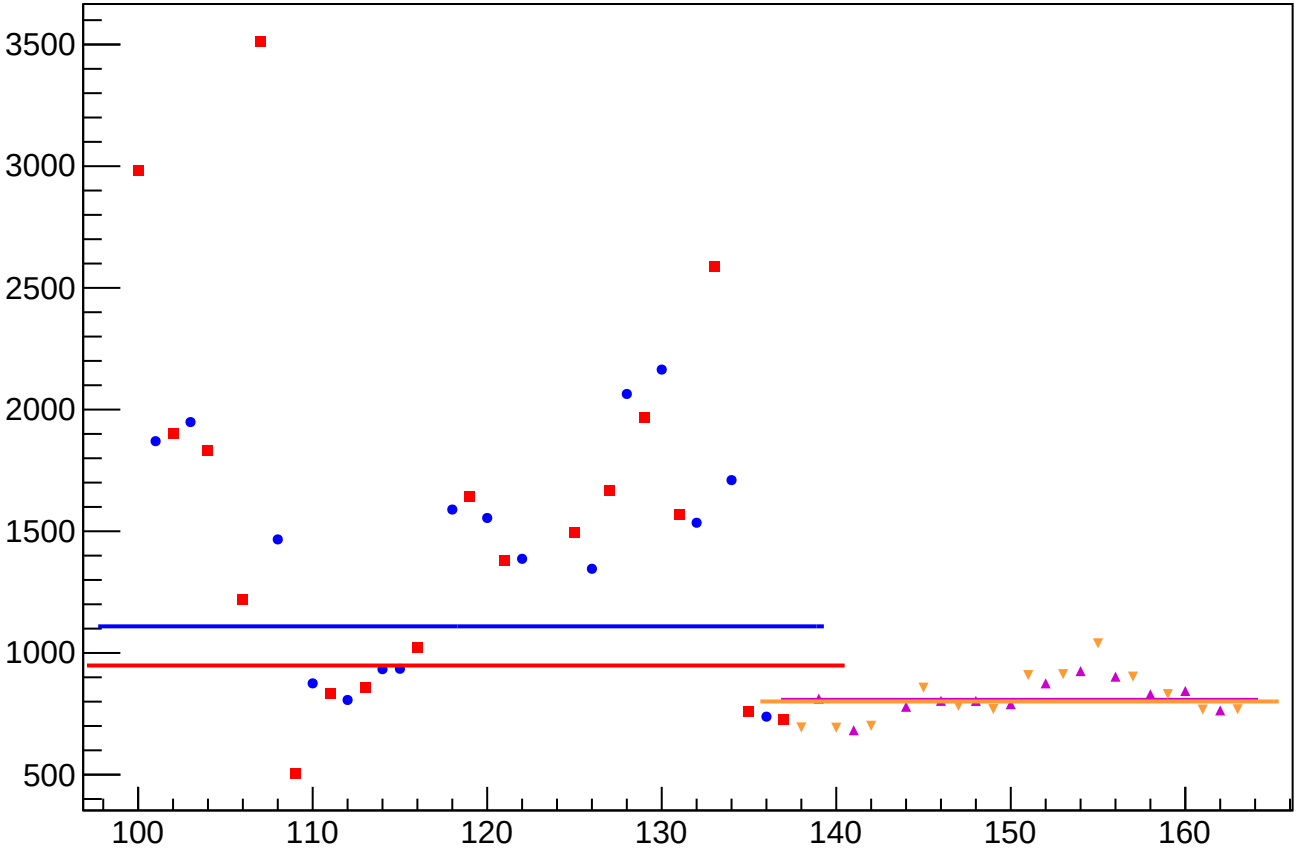
Left In: -299.215+/-252.126 χ^2/NDF:8.1/11

+ sign -961.529+/-218.491 χ^2/NDF: 60.6/28

All: -697.319+/-152.467 χ^2/NDF: 85.0/58

- sign -446.548+/-212.862 χ^2/NDF: 21.5/29

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 800.690+/-0.177 χ^2/NDF:270045.2/12

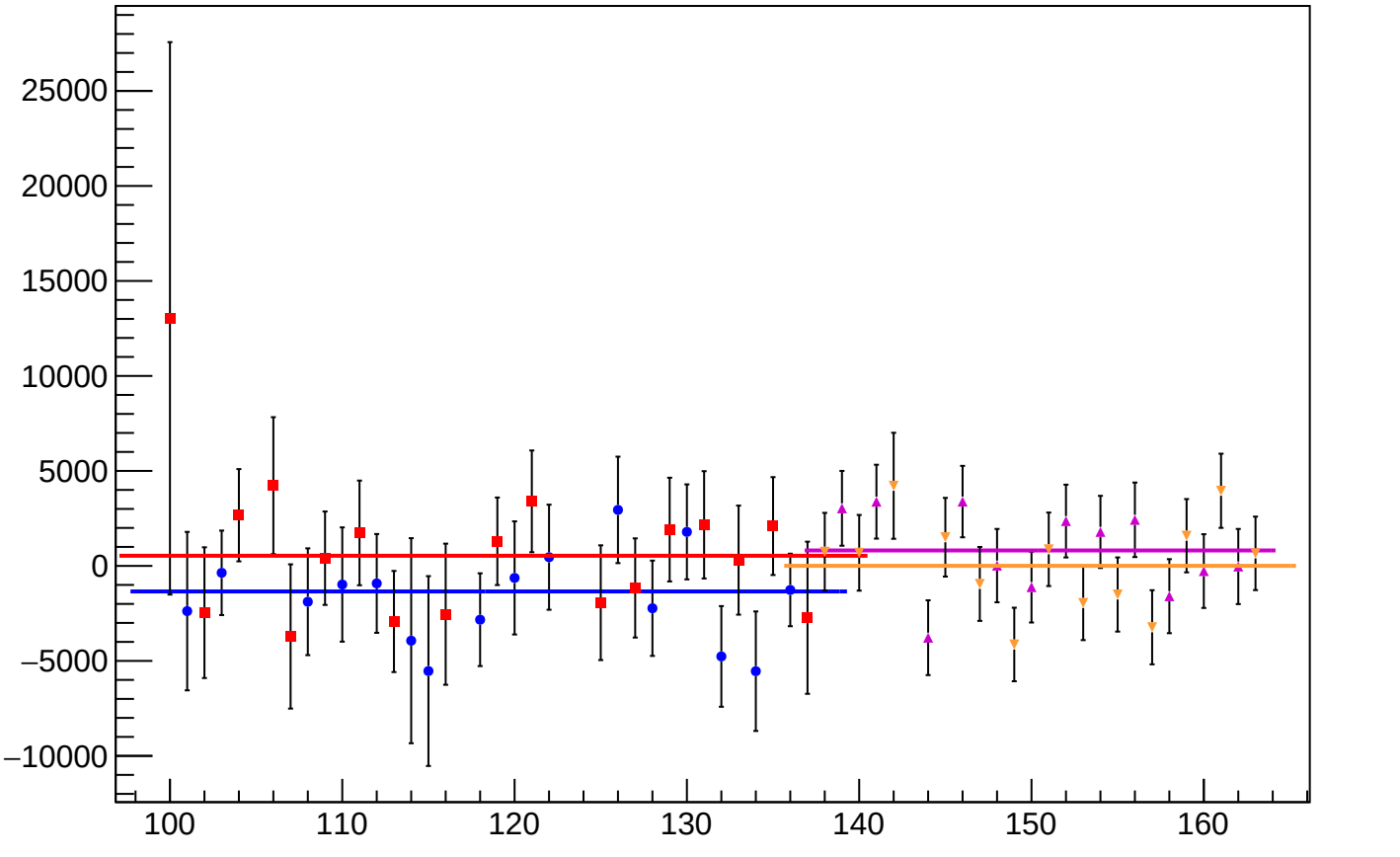
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 807.302+/-0.178 χ^2/NDF:129018.0/11

\+ sign 874.801+/-0.154 χ^2/NDF: 2971692.7/28

All: 860.968+/-0.108 χ^2/NDF: 6350010.2/58

\- sign 847.838+/-0.151 χ^2/NDF: 3362691.2/29



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 4.166+/-555.979 χ^2/NDF:17.3/12

Right Out: 534.199+/-690.970 χ^2/NDF: 11.1/17

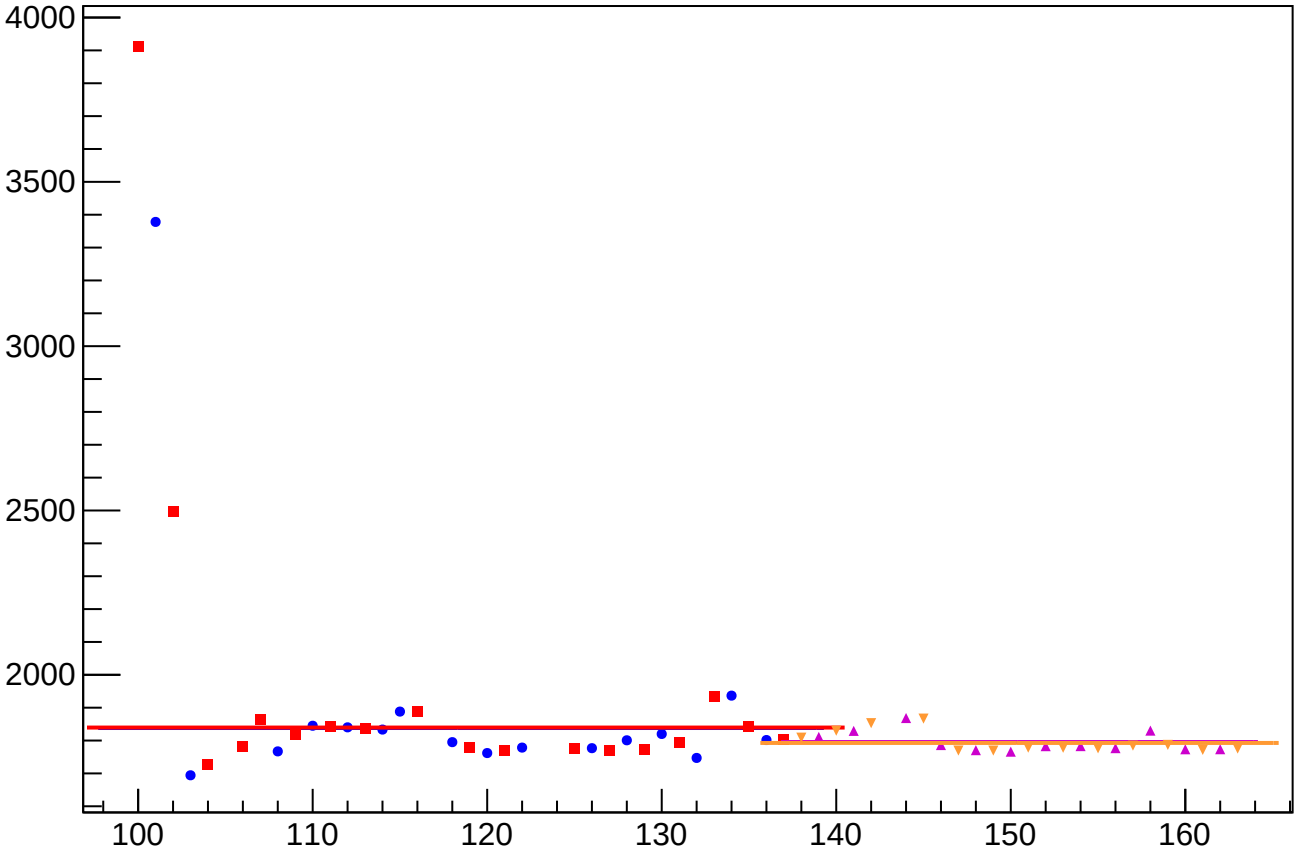
Left In: 813.375+/-557.833 χ^2/NDF:15.2/11

+ sign -525.669+/-433.158 χ^2/NDF: 29.2/28

All: 87.523+/-306.600 χ^2/NDF: 59.6/58

- sign 703.216+/-434.040 χ^2/NDF: 26.4/29

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: 1792.720+/-0.393 χ^2/NDF:5687.2/12

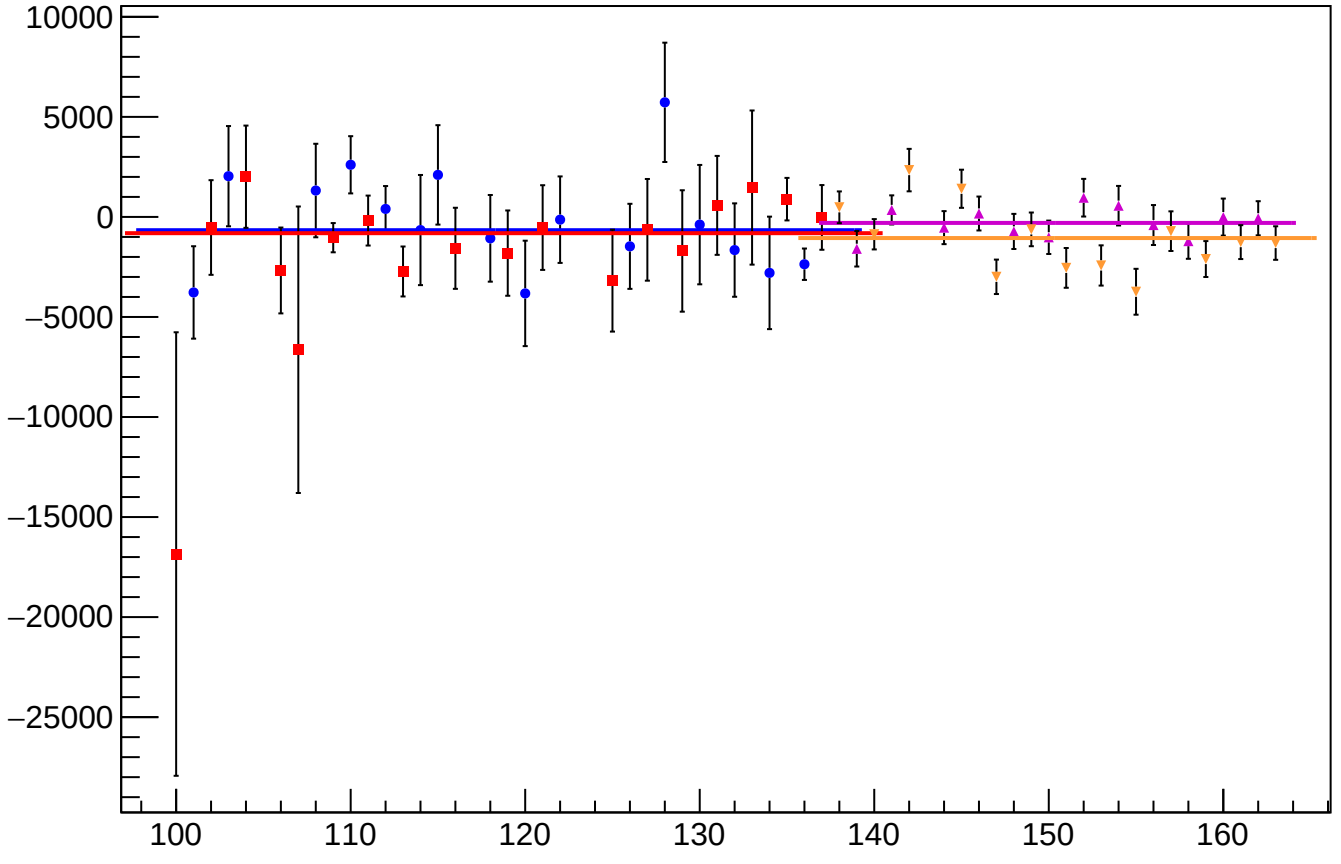
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1795.567+/-0.394 χ^2/NDF:5846.1/11

+ sign 1810.578+/-0.306 χ^2/NDF: 302921.6/28

All: 1811.741+/-0.217 χ^2/NDF: 441948.9/58

- sign 1812.910+/-0.307 χ^2/NDF: 138998.4/29



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -1055.702+/-250.642 χ^2/NDF:37.3/12

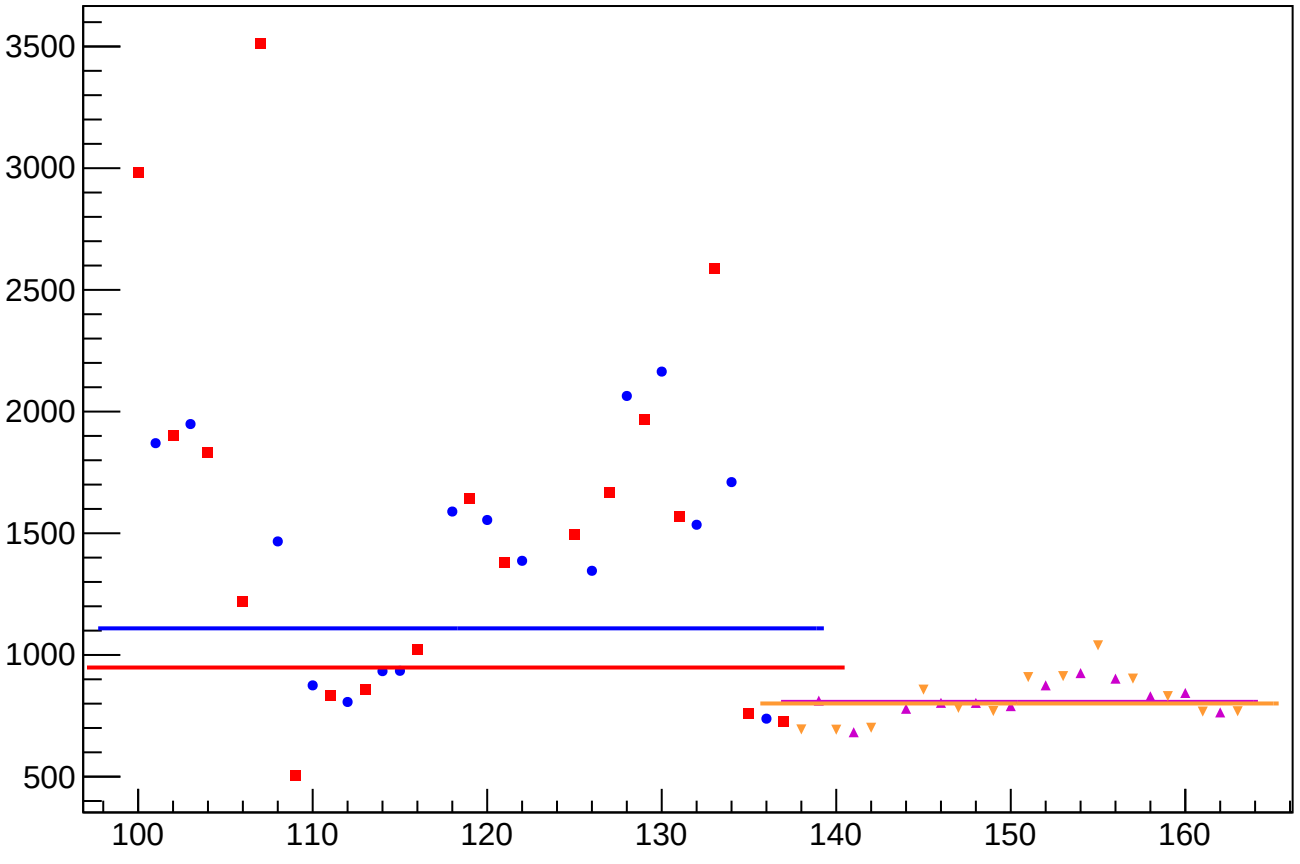
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -299.213+/-252.126 χ^2/NDF:8.1/11

+ sign -961.530+/-218.491 χ^2/NDF: 60.6/28

All: -697.320+/-152.467 χ^2/NDF: 85.0/58

- sign -446.548+/-212.862 χ^2/NDF: 21.5/29



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 800.692+/-0.177 χ^2/NDF:270032.3/12

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

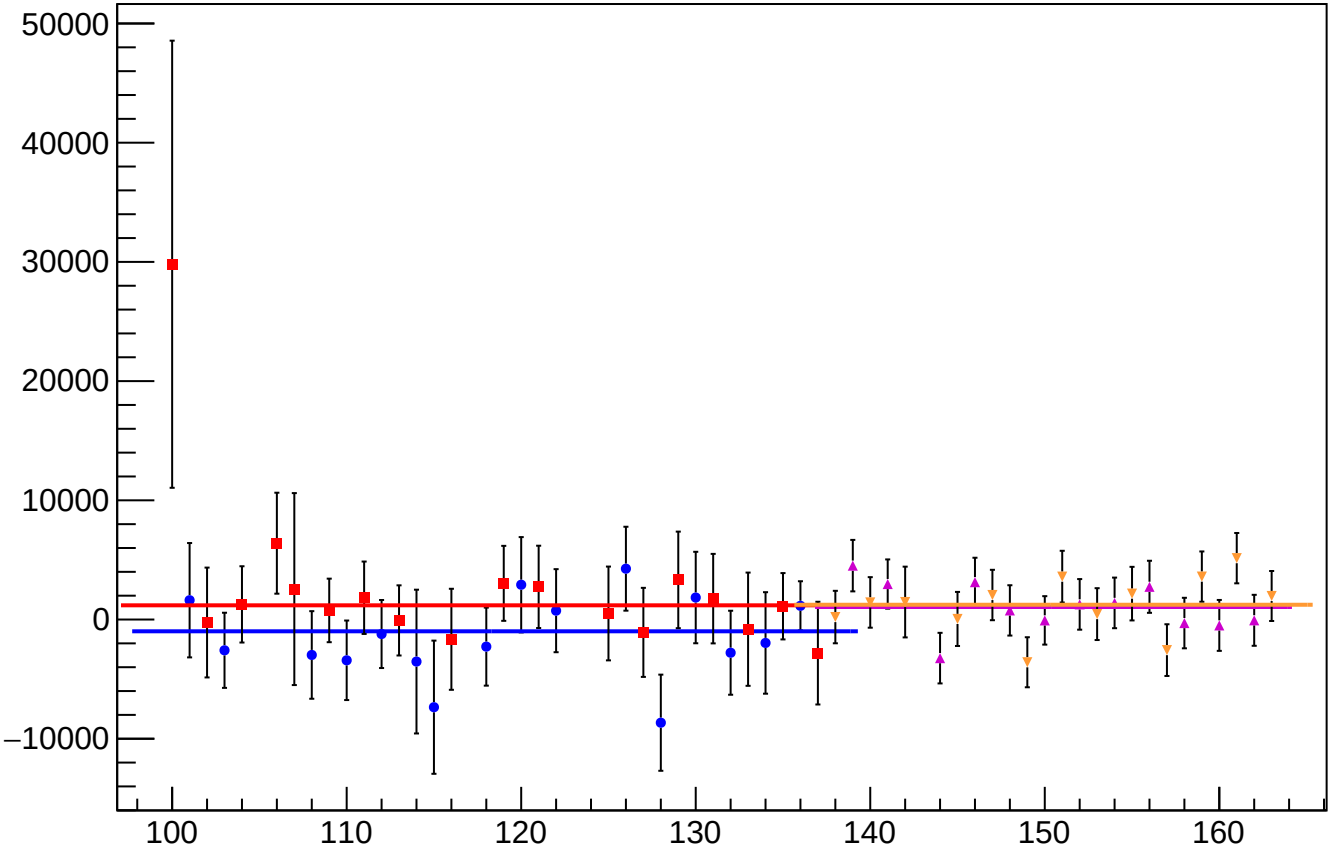
Left In: 807.303+/-0.178 χ^2/NDF:129019.2/11

+ sign 874.803+/-0.154 χ^2/NDF: 2971644.6/28

All: 860.969+/-0.108 χ^2/NDF: 6349941.1/58

- sign 847.839+/-0.151 χ^2/NDF: 3362669.5/29

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1239.037+/-608.695 χ^2/NDF:15.3/12

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

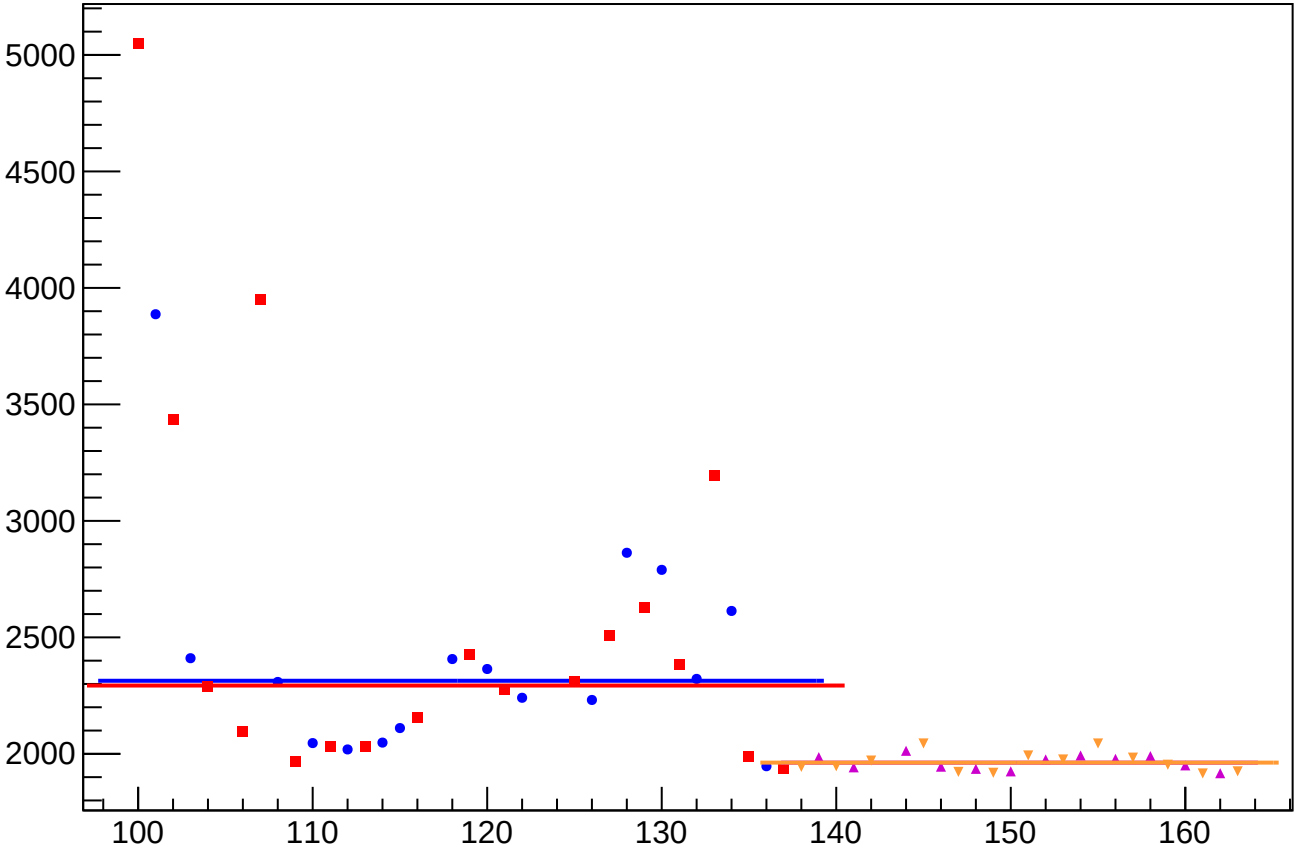
Left In: 1051.673+/-609.619 χ^2/NDF:10.7/11

+ sign 511.622+/-499.465 χ^2/NDF: 31.7/28

All: 804.843+/-353.129 χ^2/NDF: 50.1/58

- sign 1097.910+/-499.334 χ^2/NDF: 17.7/29

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1962.422+/-0.430 χ^2/NDF:9462.6/12

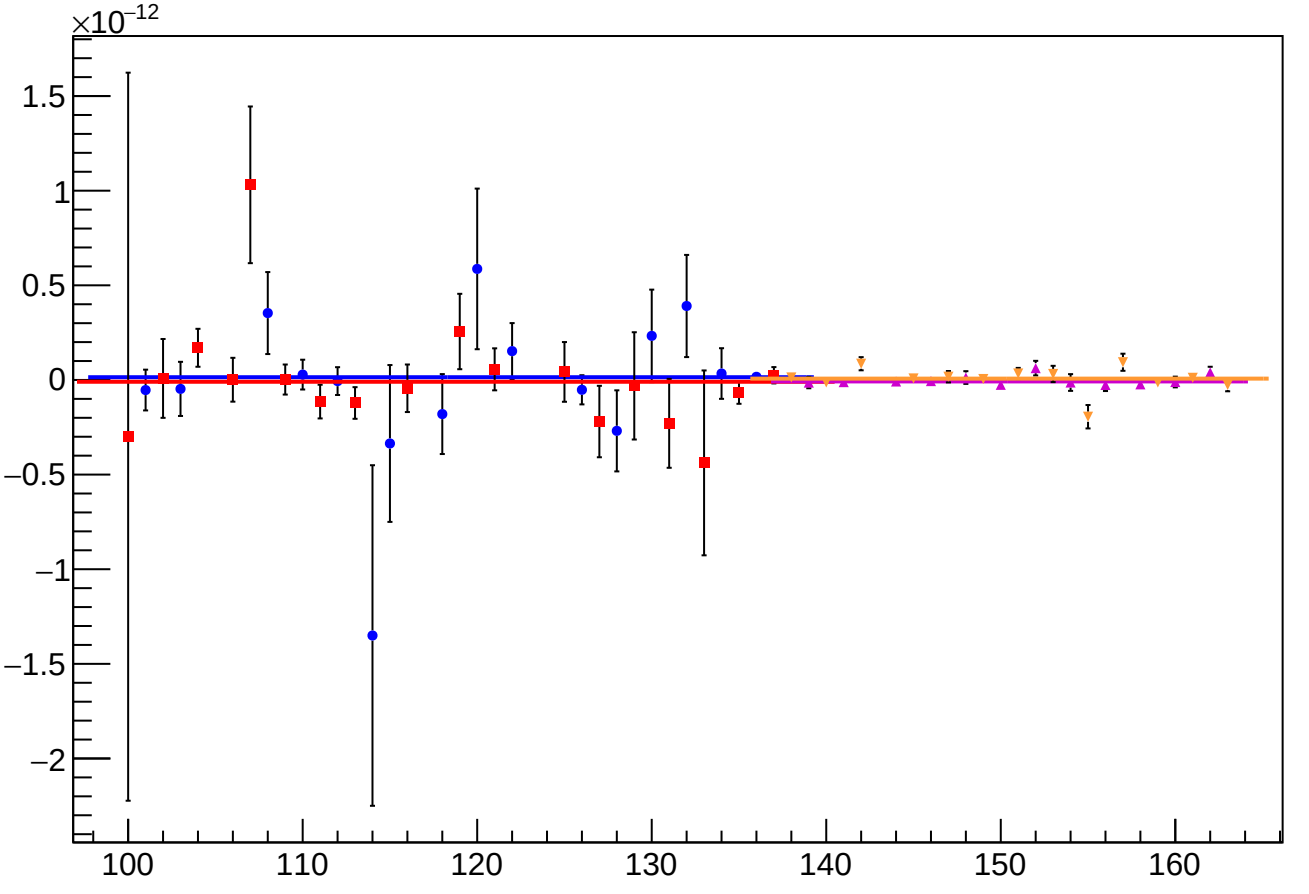
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1962.180+/-0.431 χ^2/NDF:4642.9/11

+ sign 2077.198+/-0.353 χ^2/NDF: 629879.8/28

All: 2074.168+/-0.250 χ^2/NDF: 1282019.7/58

- sign 2071.140+/-0.353 χ^2/NDF: 651992.8/29



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/12

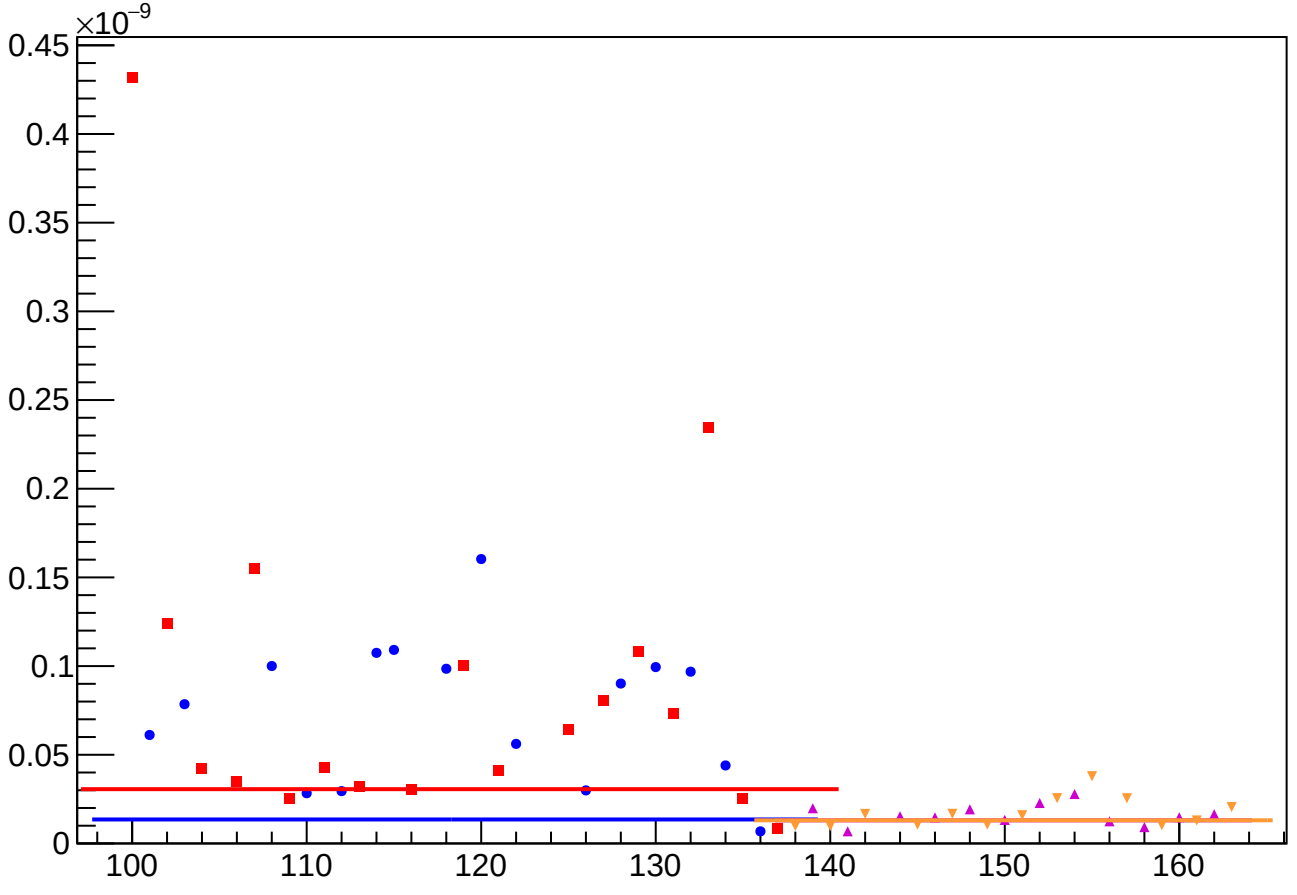
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/28

All: 0.000+/-0.000 χ^2/NDF: 69.6/58

- sign -0.000+/-0.000 χ^2/NDF: 27.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1023707.4/12

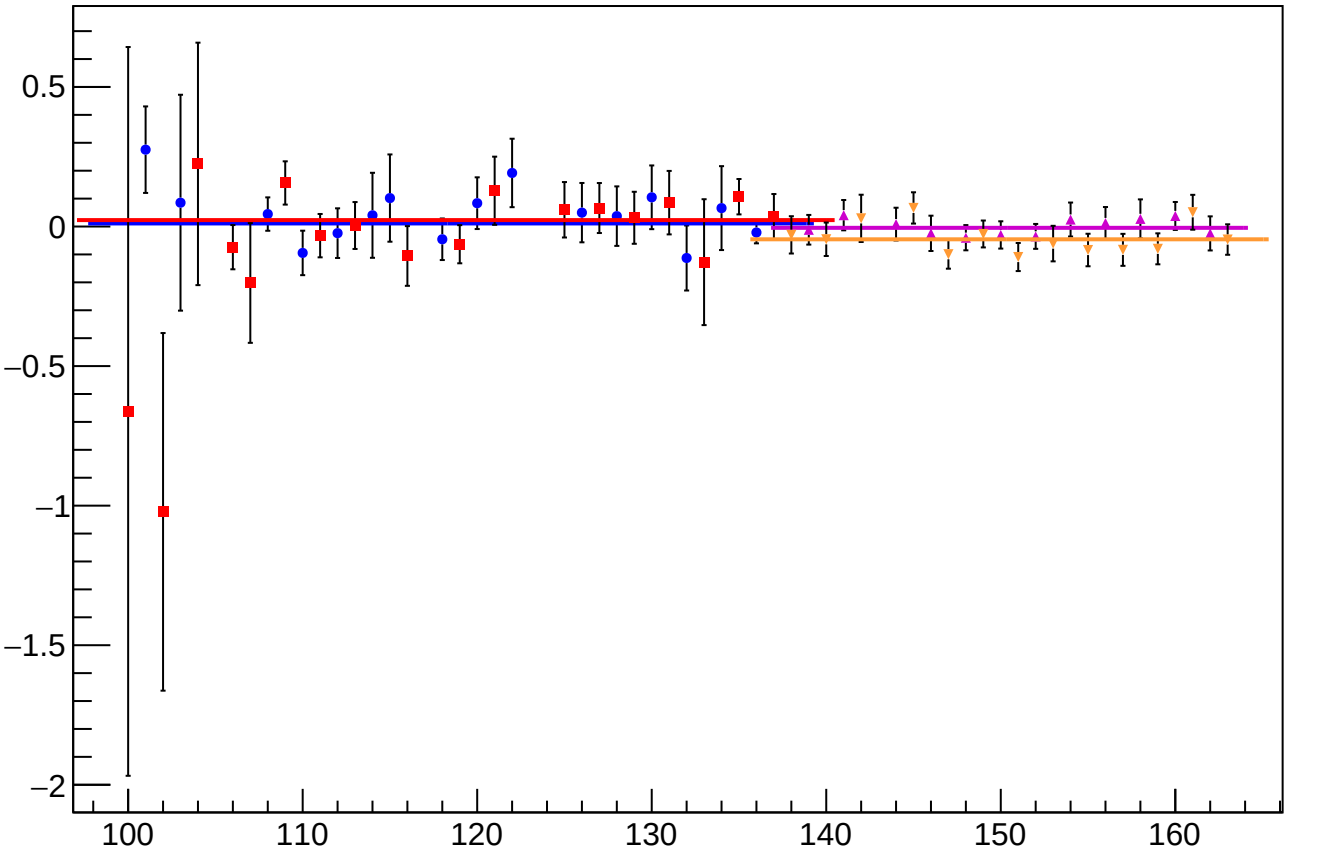
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1036836.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 4441594.5/28

All: 0.000+/-0.000 χ^2/NDF: 8844018.6/58

- sign 0.000+/-0.000 χ^2/NDF: 4362867.7/29



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

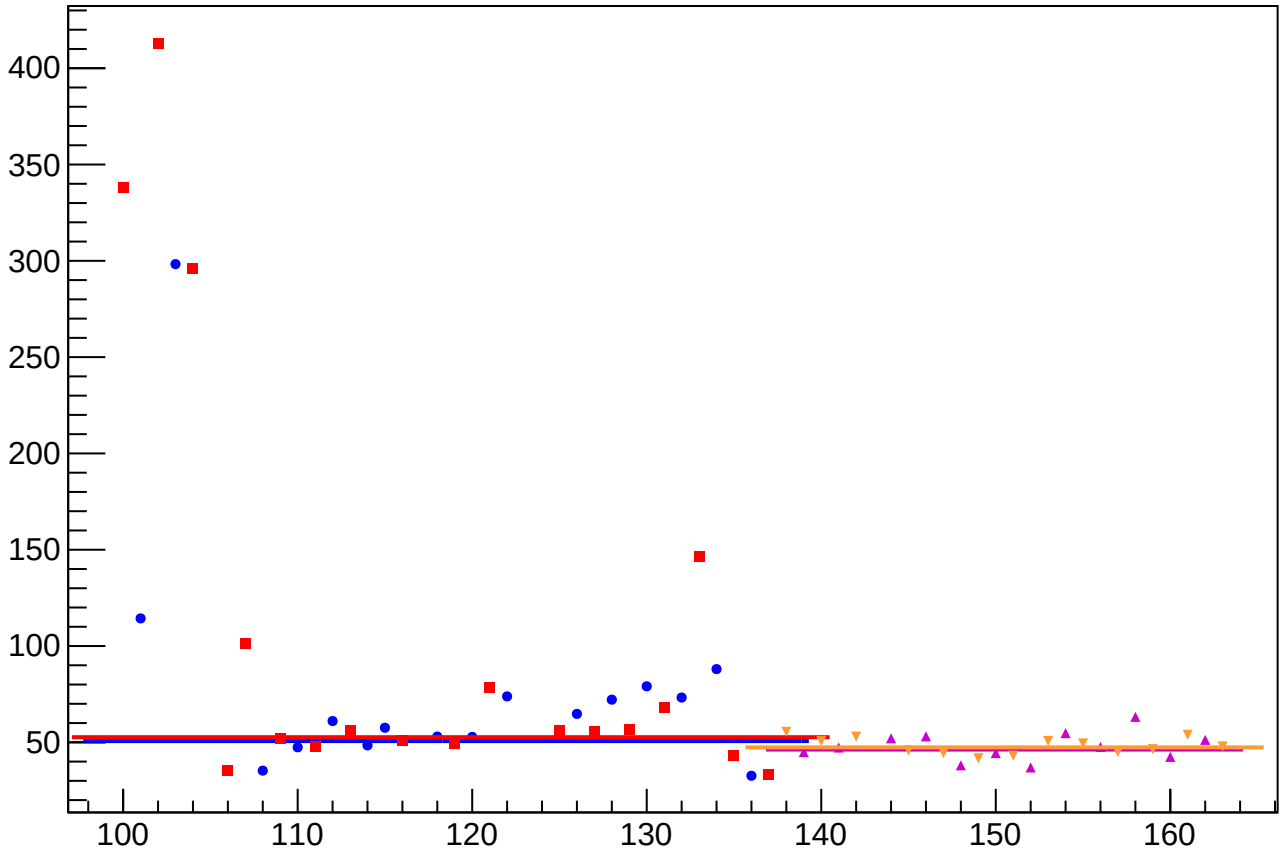
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.016 χ^2/NDF:3.6/11

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.011+/-0.009 χ^2/NDF: 50.8/58

- sign 0.004+/-0.013 χ^2/NDF: 20.5/29



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.372+/-0.011 χ^2/NDF:127894.9/12

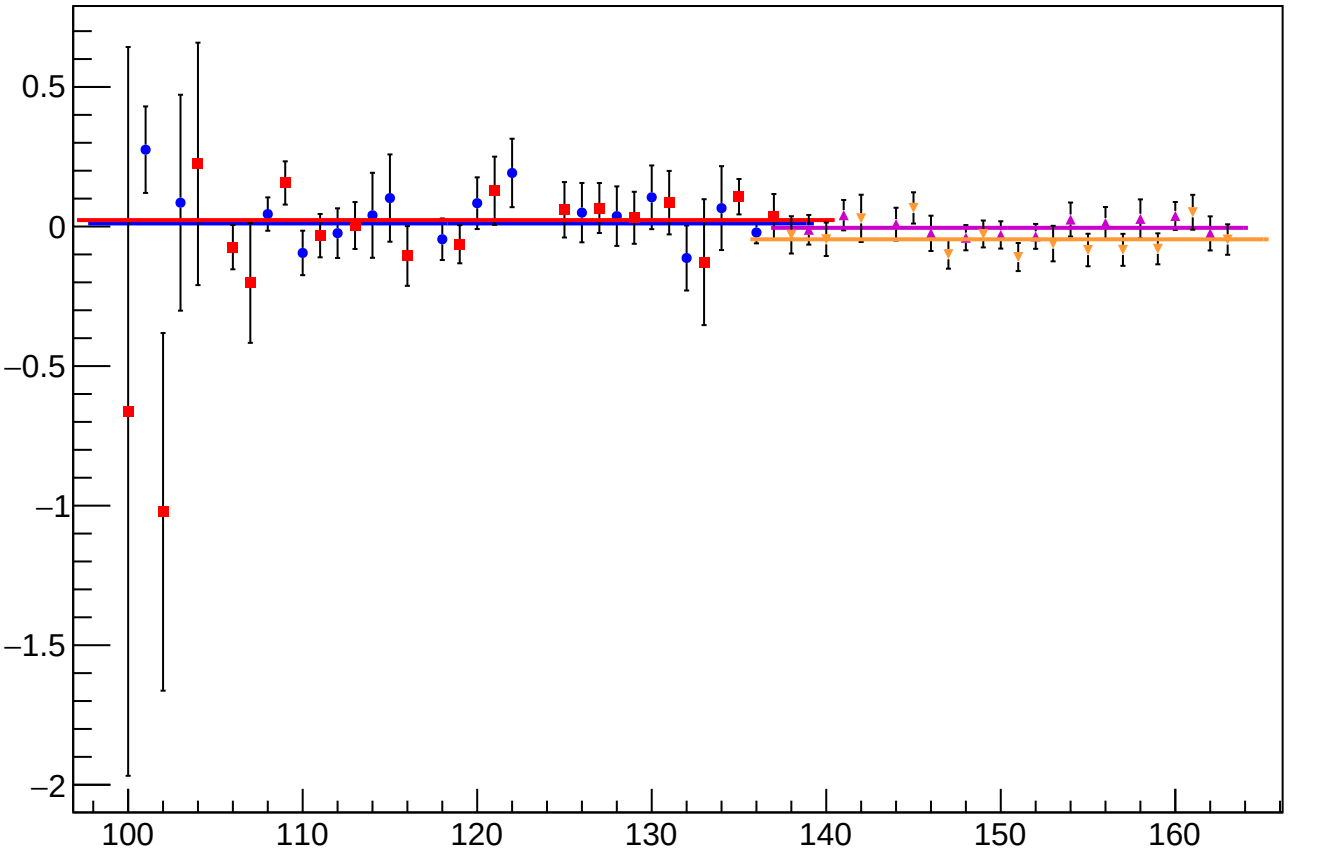
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.231+/-0.011 χ^2/NDF:384190.3/11

+ sign 48.510+/-0.009 χ^2/NDF: 2423554.6/28

All: 48.381+/-0.006 χ^2/NDF: 5126470.9/58

- sign 48.251+/-0.009 χ^2/NDF: 2702513.1/29



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

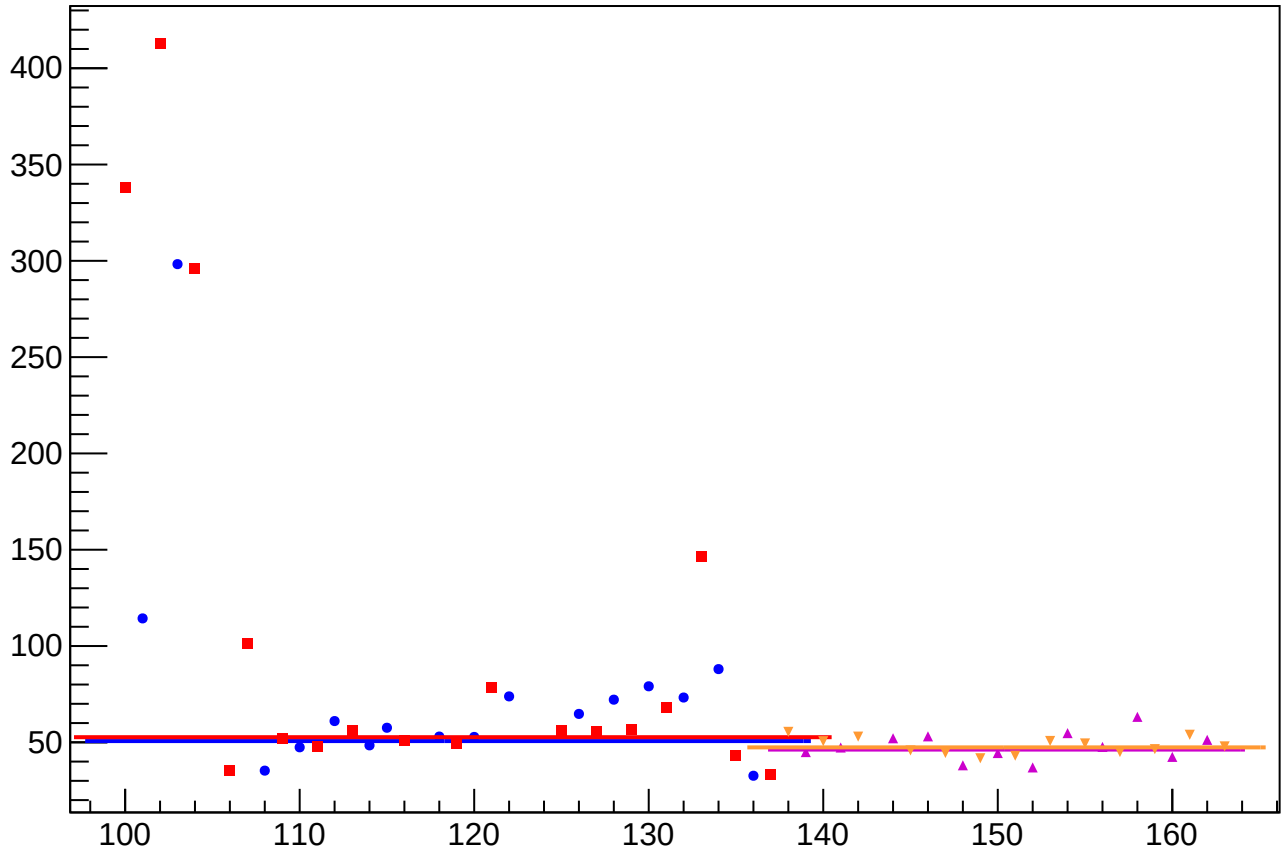
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.016 χ^2/NDF:3.6/11

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.011+/-0.009 χ^2/NDF: 50.8/58

- sign 0.004+/-0.013 χ^2/NDF: 20.5/29



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.372+/-0.011 χ^2/NDF:127894.9/12

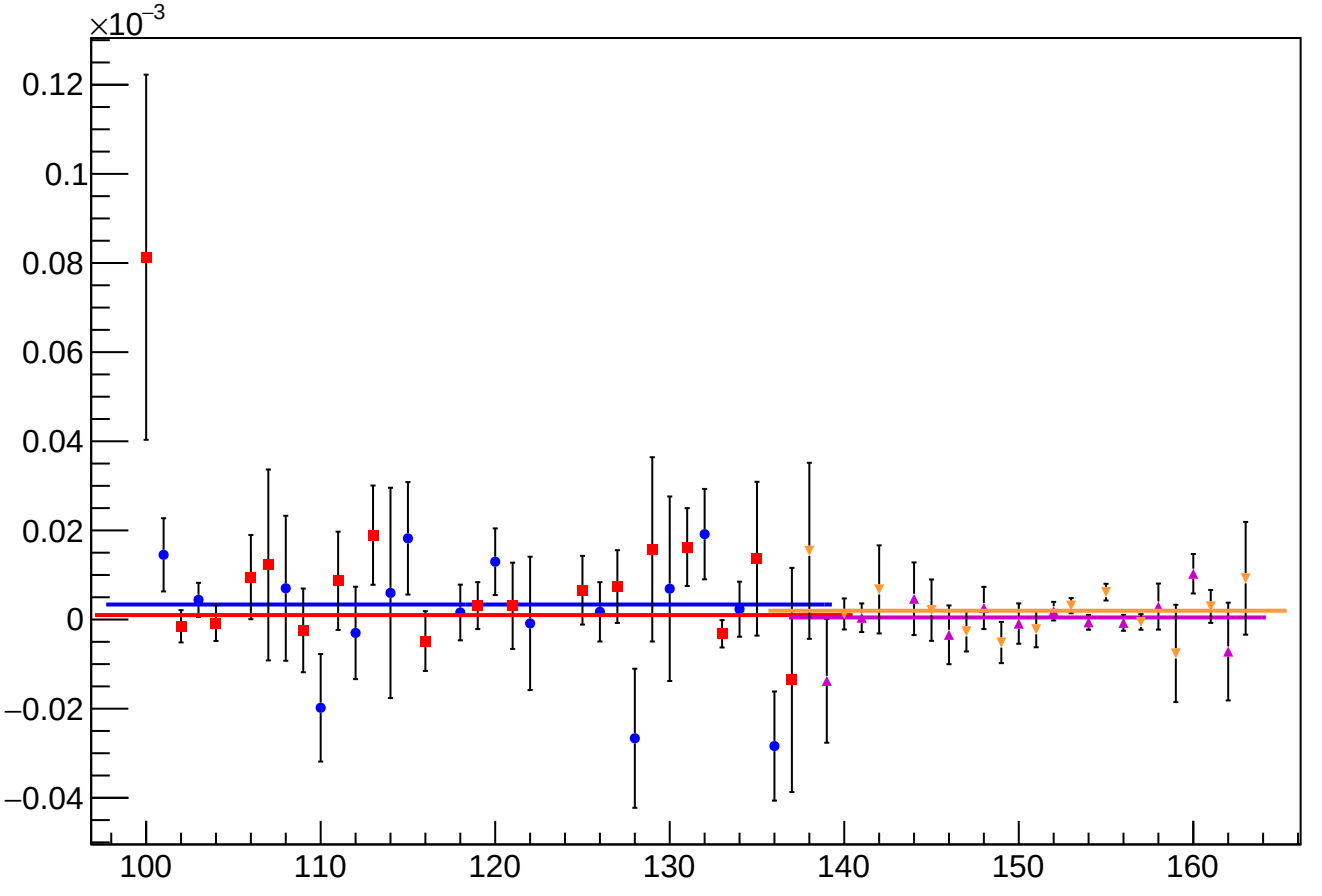
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.231+/-0.011 χ^2/NDF:384190.3/11

+ sign 48.510+/-0.009 χ^2/NDF: 2423554.6/28

All: 48.381+/-0.006 χ^2/NDF: 5126470.9/58

- sign 48.251+/-0.009 χ^2/NDF: 2702513.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/12

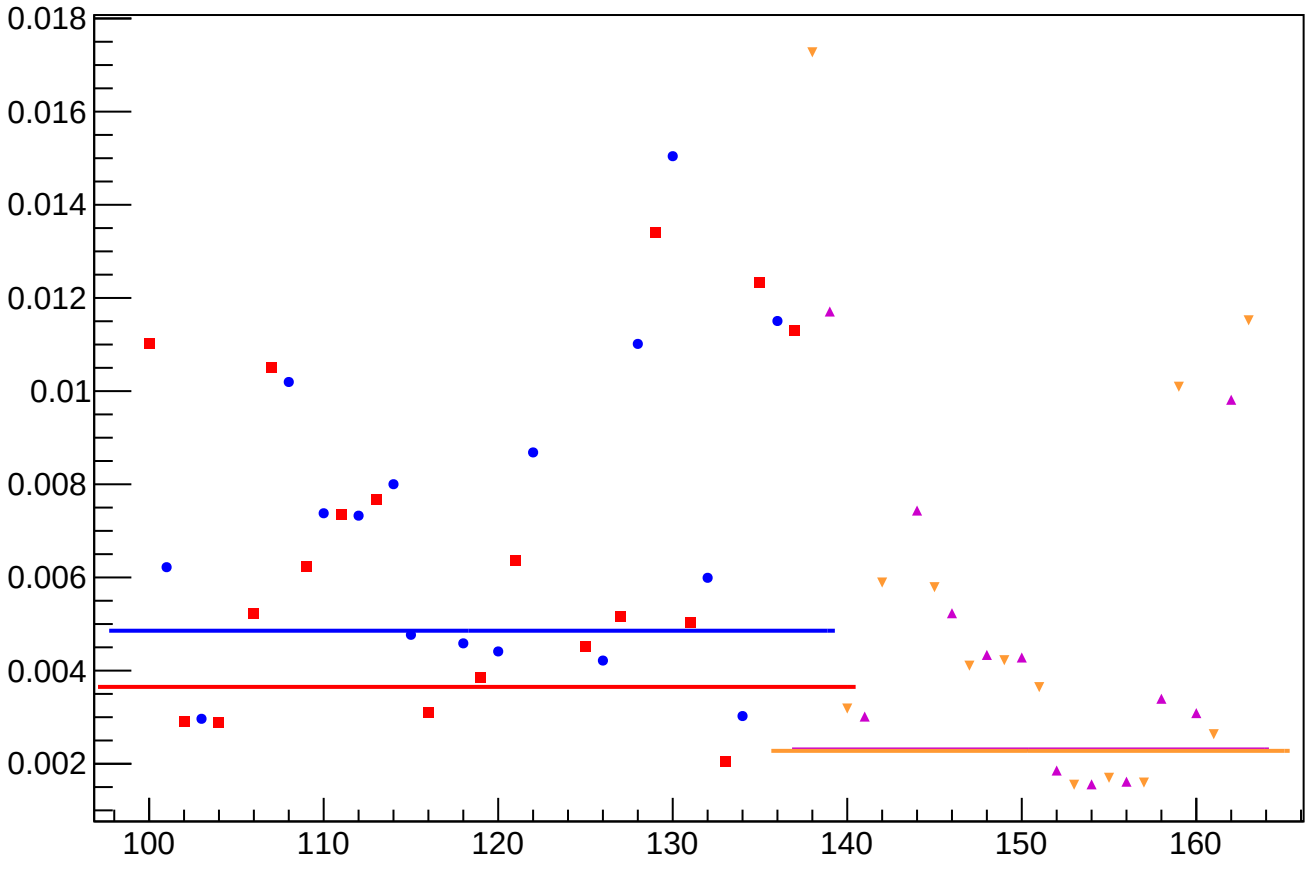
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/28

All: 0.000+/-0.000 χ^2/NDF: 64.7/58

- sign 0.000+/-0.000 χ^2/NDF: 26.2/29



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5958579.8/12

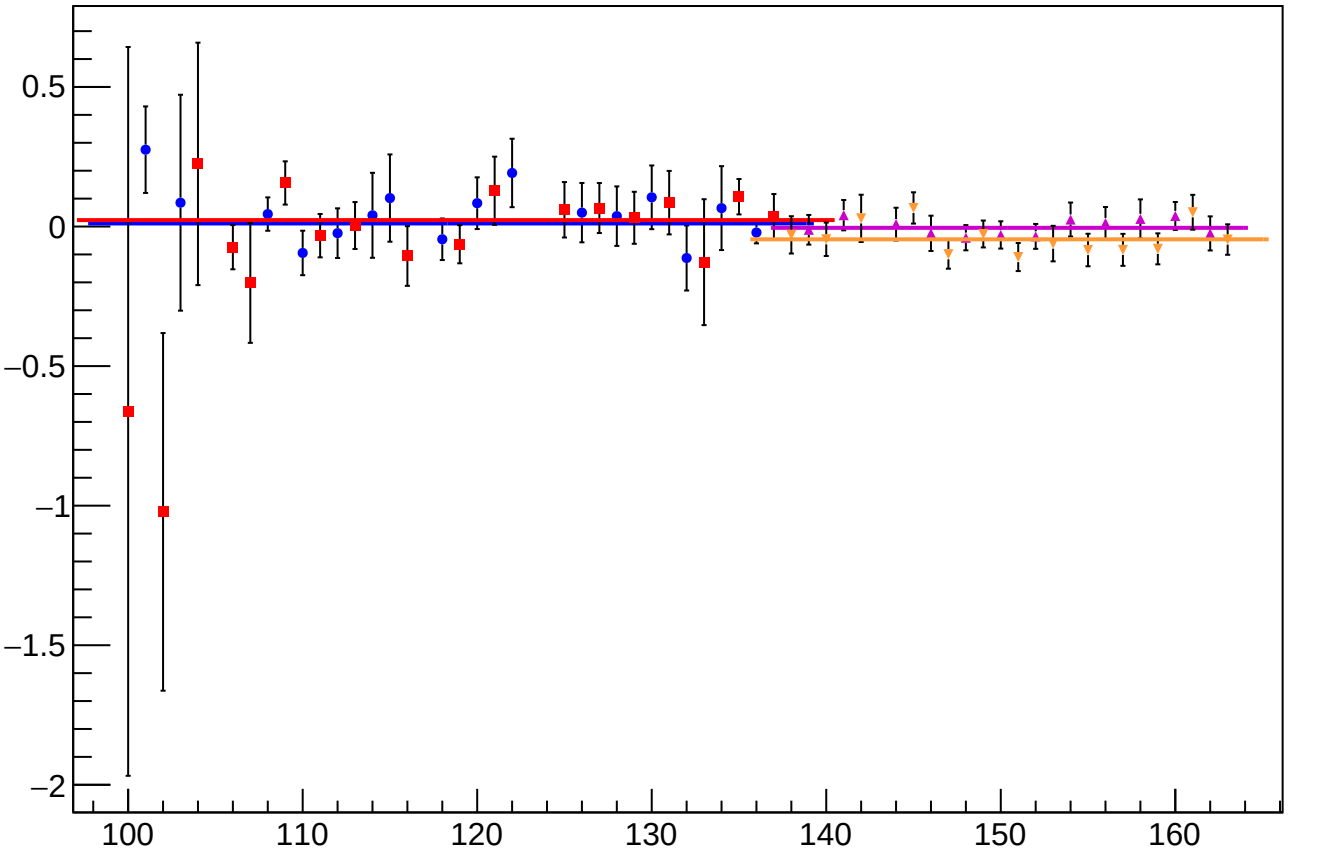
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4834315.0/11

+ sign 0.003+/-0.000 χ^2/NDF: 11319177.2/28

All: 0.003+/-0.000 χ^2/NDF: 20368133.9/58

- sign 0.003+/-0.000 χ^2/NDF: 9048186.9/29



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

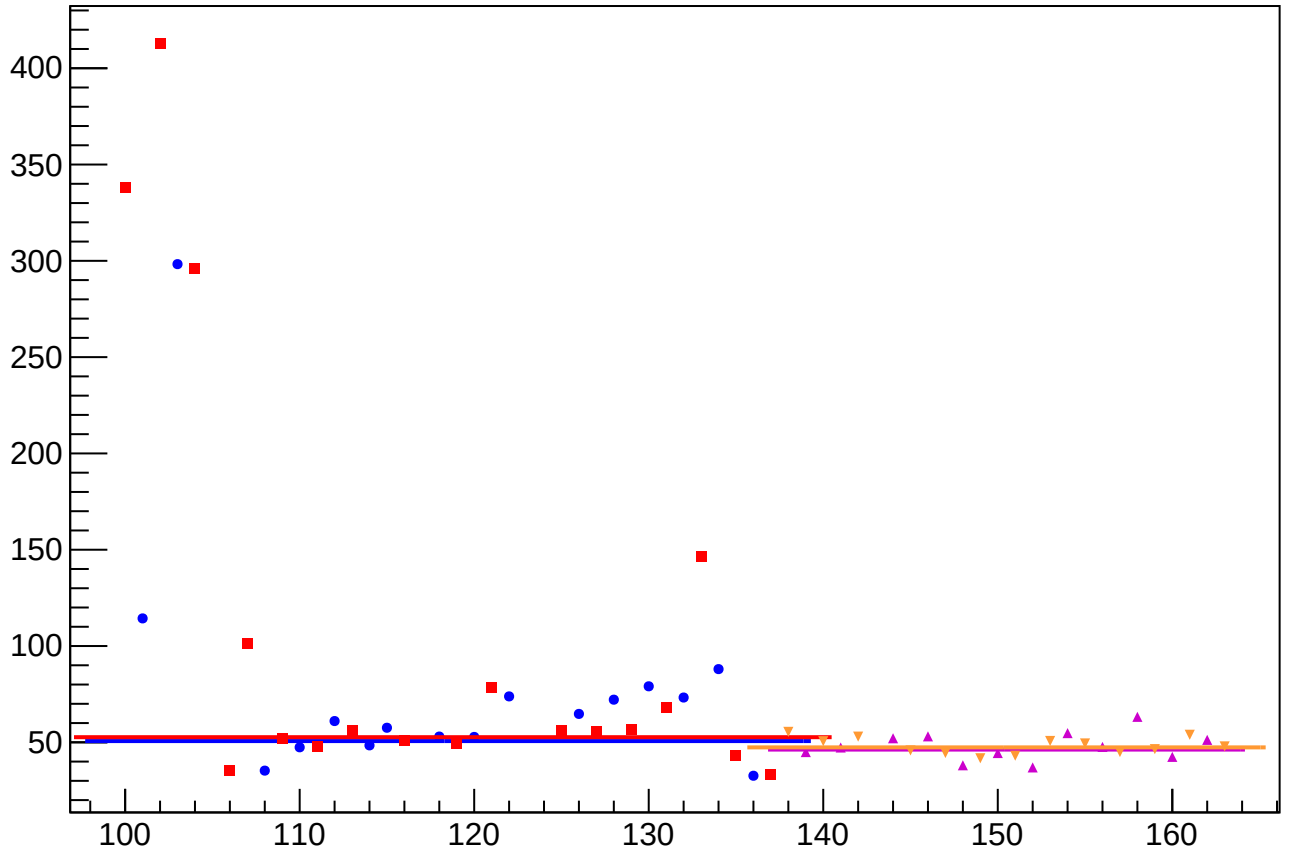
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.005+/-0.016 χ^2/NDF:3.6/11

\+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.011+/-0.009 χ^2/NDF: 50.8/58

\- sign 0.004+/-0.013 χ^2/NDF: 20.5/29



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.372+/-0.011 χ^2/NDF:127886.5/12

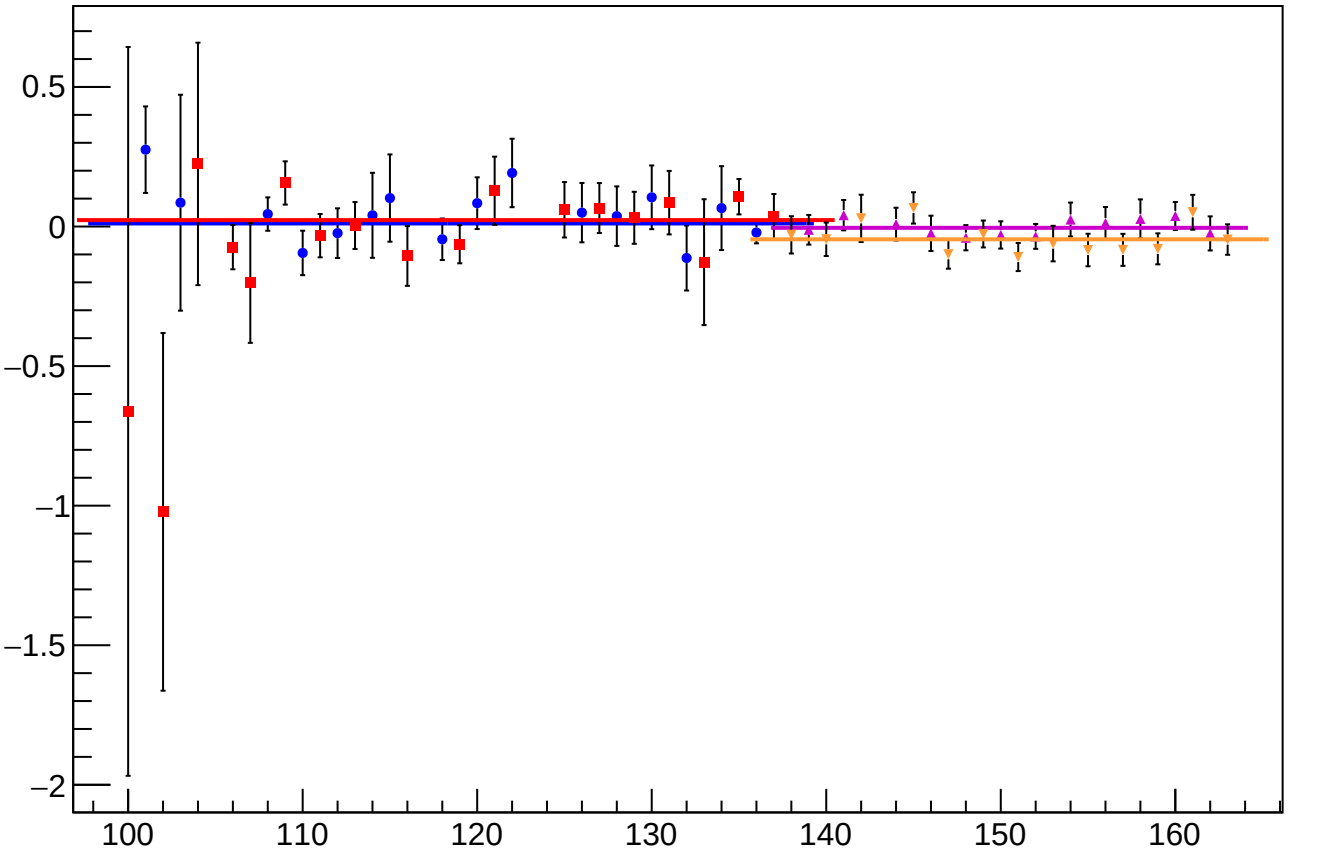
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.231+/-0.011 χ^2/NDF:384130.8/11

+ sign 48.510+/-0.009 χ^2/NDF: 2423467.0/28

All: 48.381+/-0.006 χ^2/NDF: 5126222.0/58

- sign 48.251+/-0.009 χ^2/NDF: 2702353.7/29



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

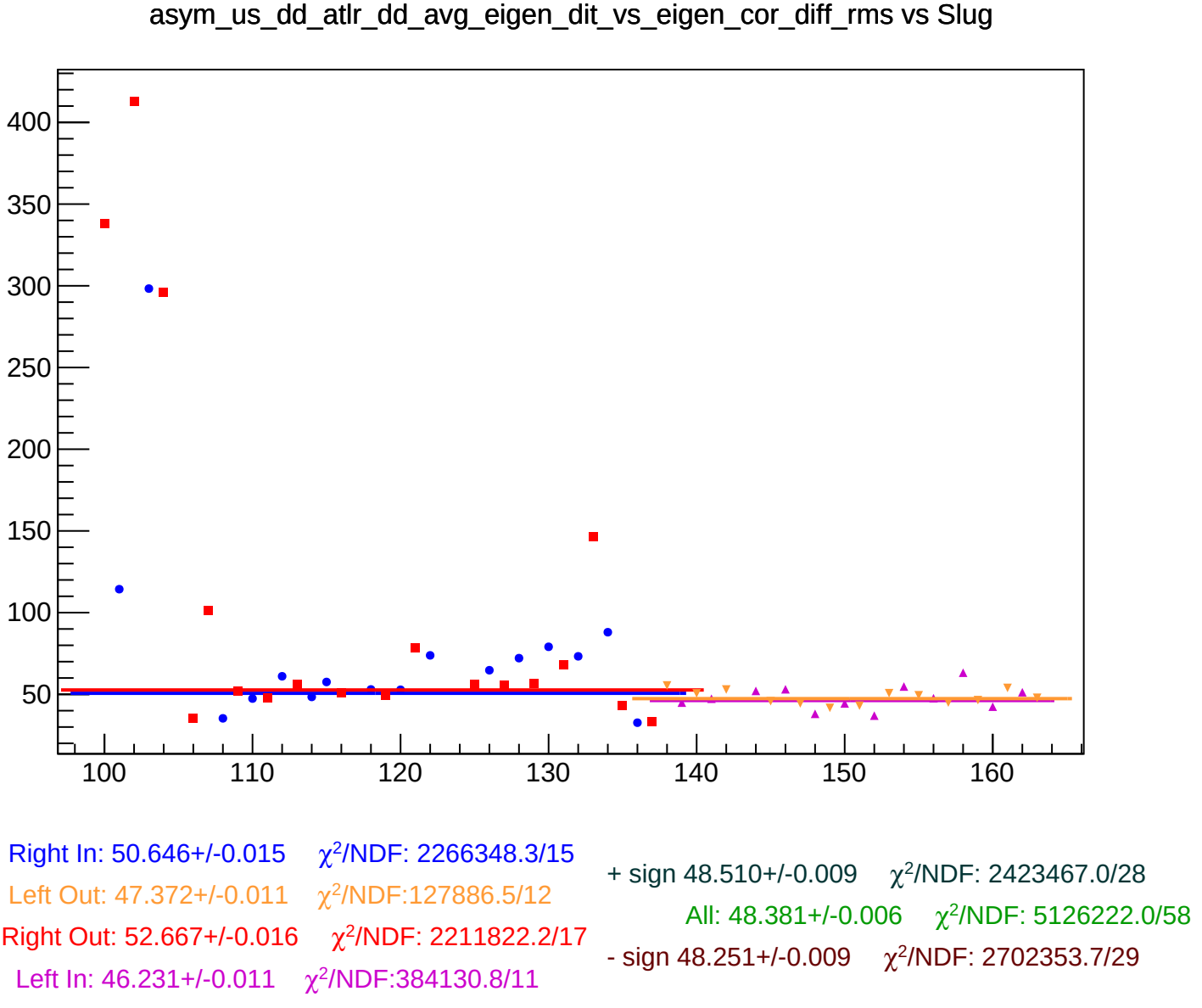
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

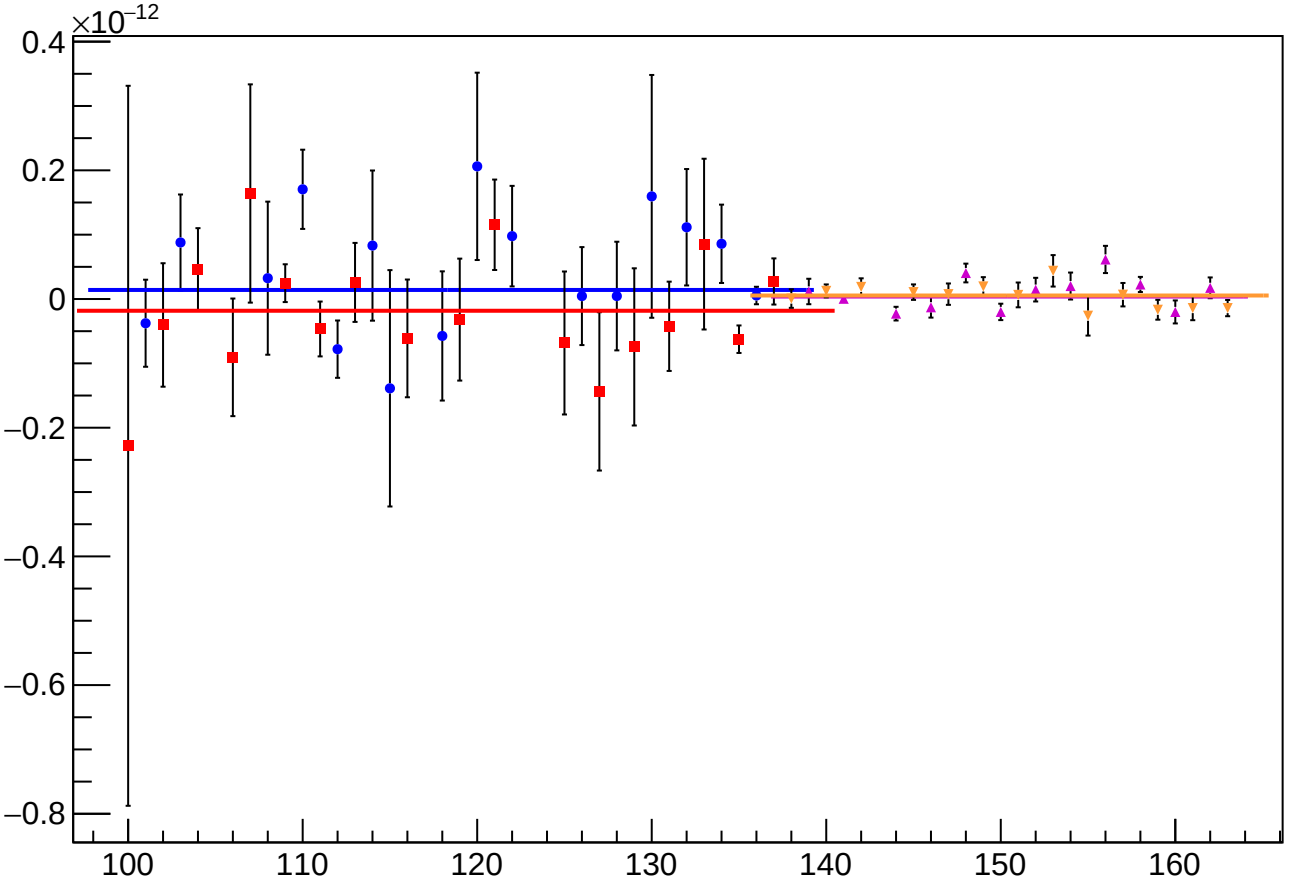
Left In: -0.005+/-0.016 χ^2/NDF:3.6/11

+ sign -0.026+/-0.013 χ^2/NDF: 27.5/28

All: -0.011+/-0.009 χ^2/NDF: 50.8/58

- sign 0.004+/-0.013 χ^2/NDF: 20.5/29


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
160
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 47.372+/-0.011 χ²/NDF:127886.5/12
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 46.231+/-0.011 χ²/NDF:384130.8/11
+ sign 48.510+/-0.009 χ²/NDF: 2423467.0/28
All: 48.381+/-0.006 χ²/NDF: 5126222.0/58
- sign 48.251+/-0.009 χ²/NDF: 2702353.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/12

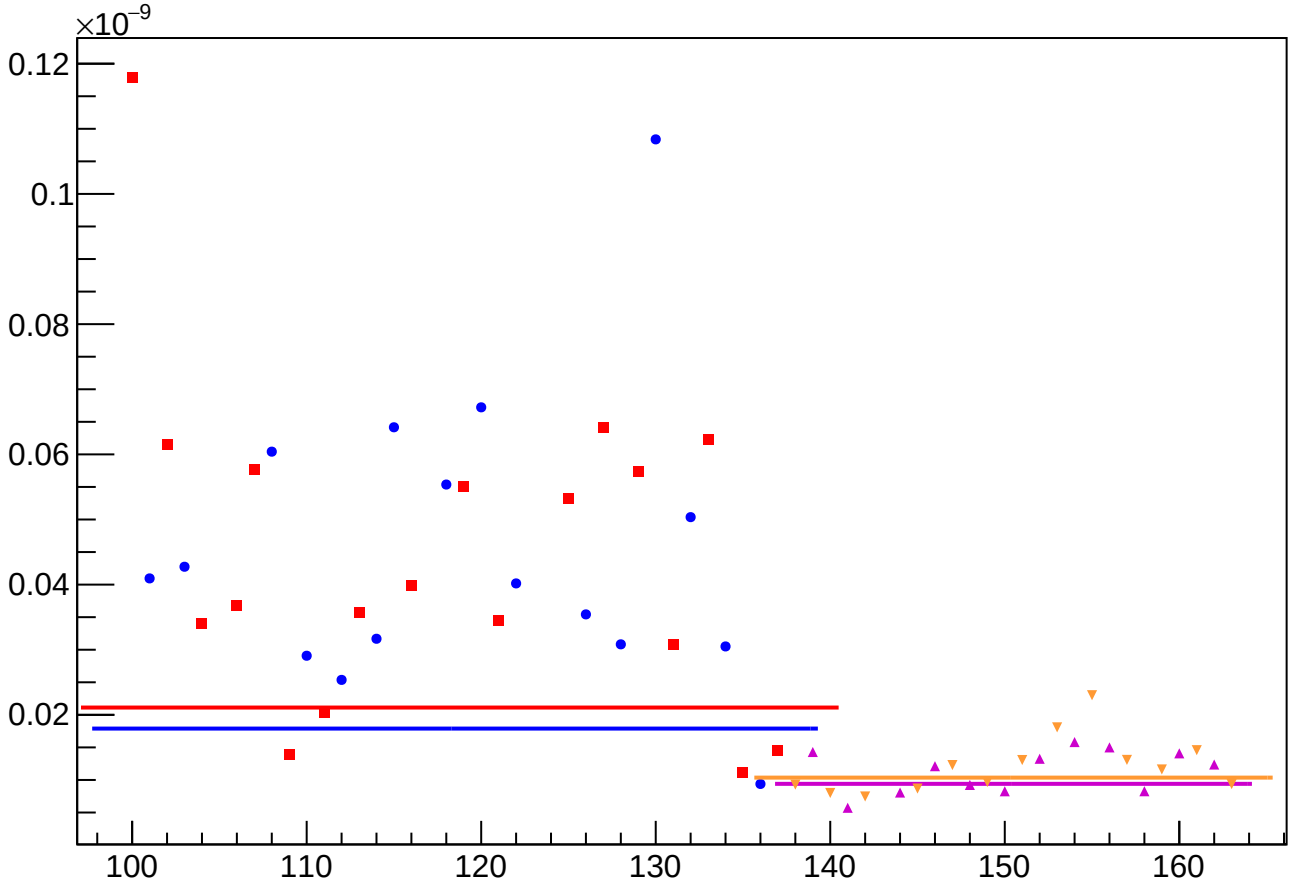
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:30.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.6/28

All: 0.000+/-0.000 χ^2/NDF: 85.1/58

- sign 0.000+/-0.000 χ^2/NDF: 51.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1029881.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

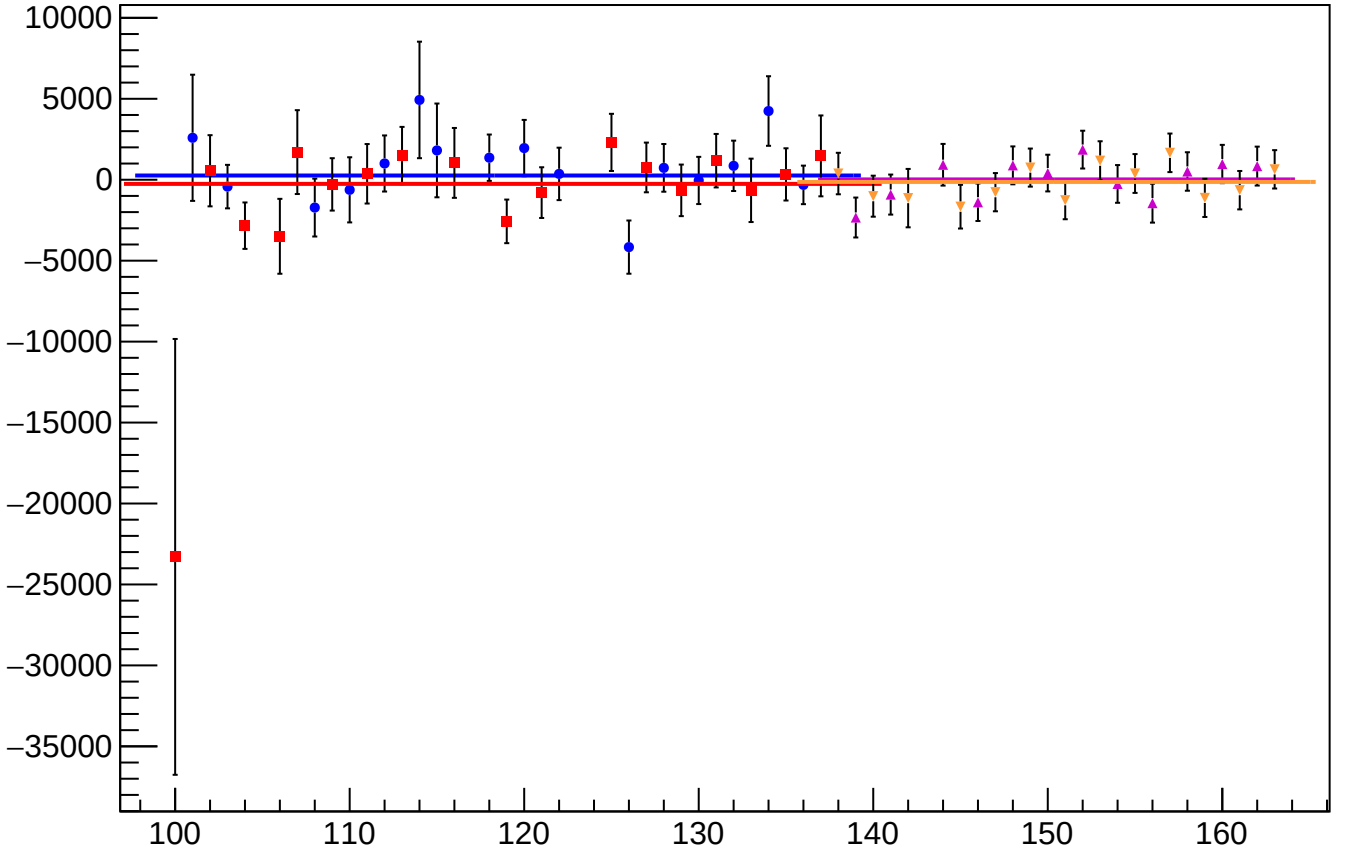
Left In: 0.000+/-0.000 χ^2/NDF:1305312.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 5207194.8/28

All: 0.000+/-0.000 χ^2/NDF: 10767015.5/58

- sign 0.000+/-0.000 χ^2/NDF: 5516560.7/29

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.068+/-343.150 χ^2/NDF:9.0/12

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

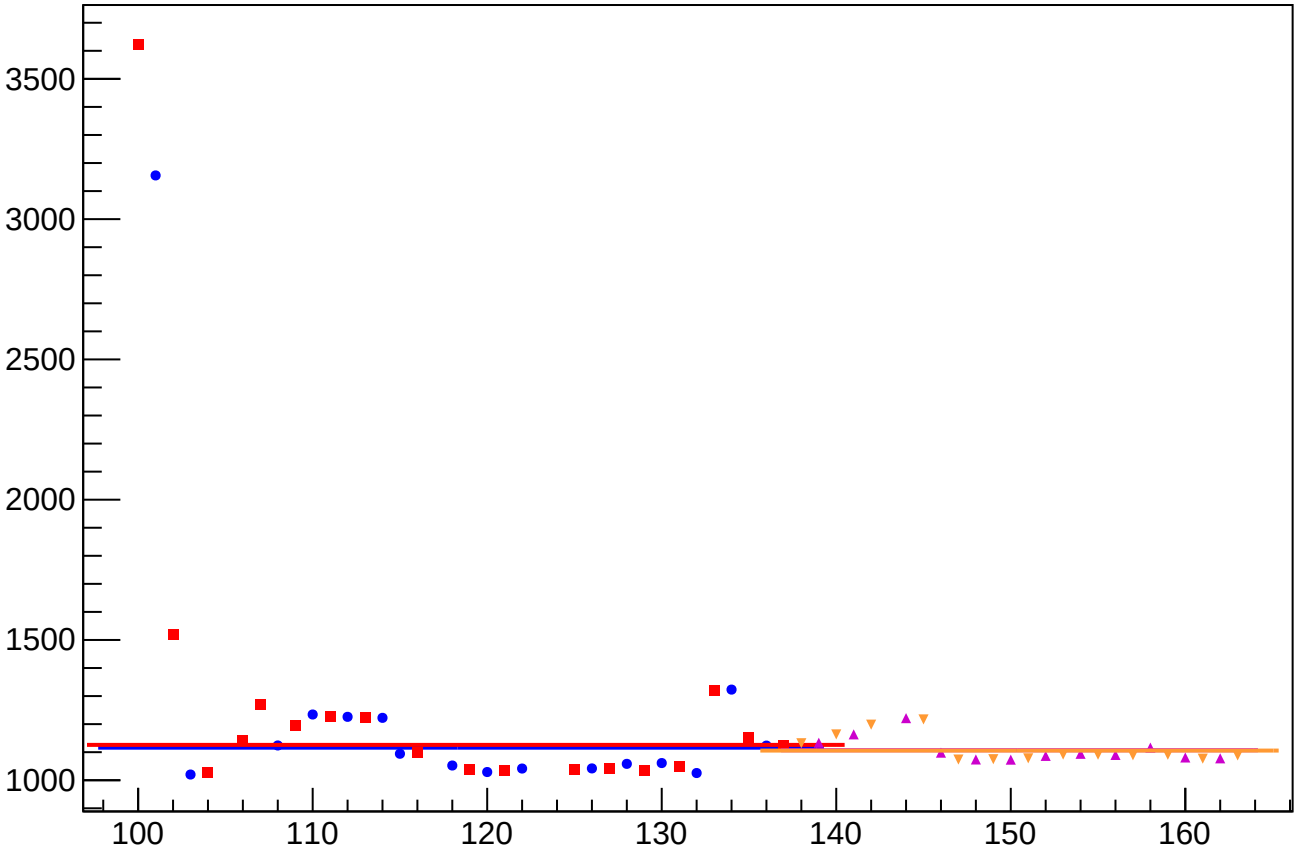
Left In: 19.078+/-344.096 χ^2/NDF:12.2/11

+ sign 21.309+/-266.902 χ^2/NDF: 26.5/28

All: -33.981+/-188.984 χ^2/NDF: 56.4/58

- sign -89.572+/-267.627 χ^2/NDF: 29.8/29

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

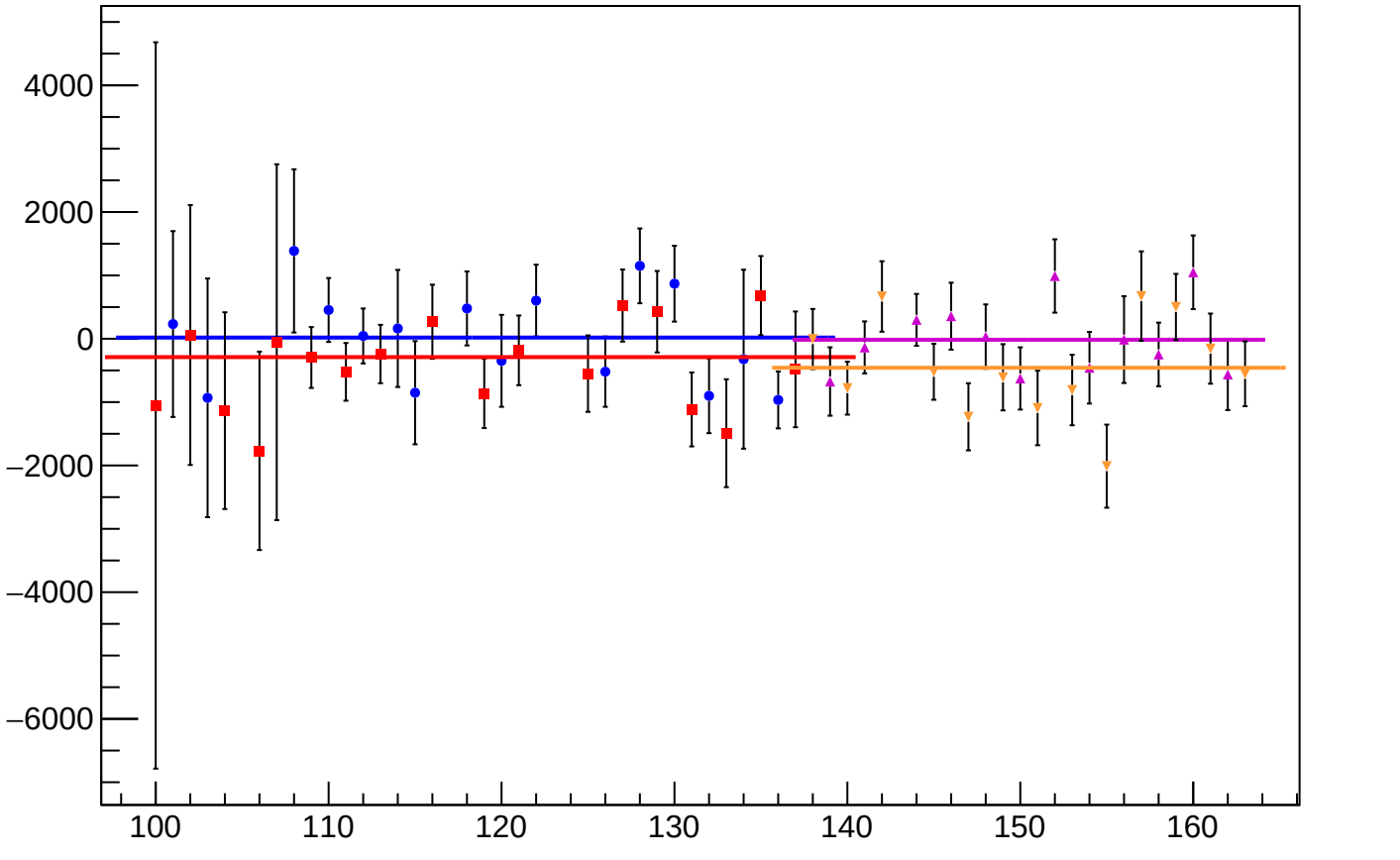
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

\+ sign 1109.828+/-0.189 χ^2/NDF: 654691.1/28

All: 1112.145+/-0.134 χ^2/NDF: 907334.0/58

\- sign 1114.475+/-0.189 χ^2/NDF: 252340.4/29



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -457.634+/-145.977 χ^2/NDF:21.3/12

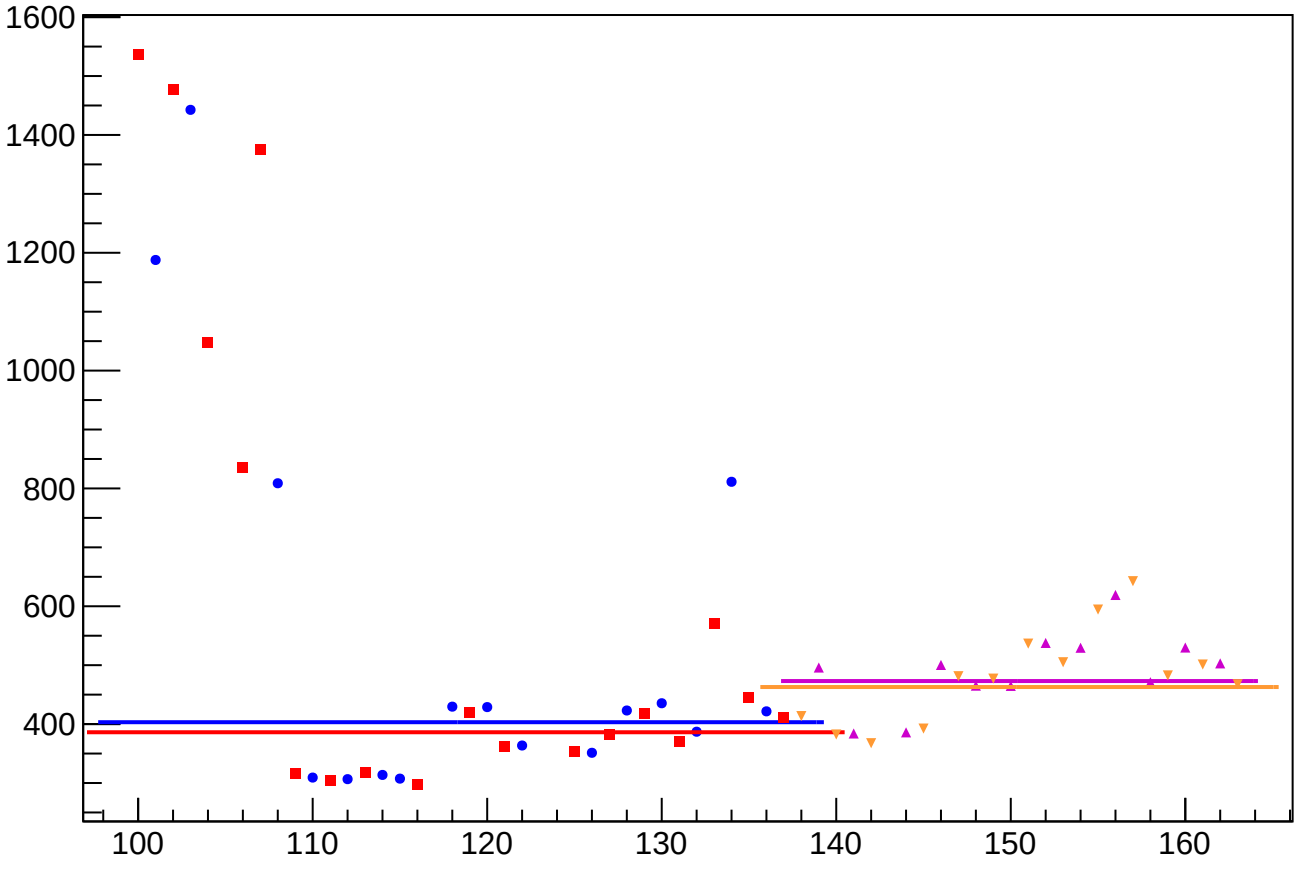
Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -15.410+/-148.603 χ^2/NDF:12.4/11

+ sign -243.174+/-108.215 χ^2/NDF: 45.3/28

All: -194.262+/-76.323 χ^2/NDF: 73.2/58

- sign -145.850+/-107.660 χ^2/NDF: 27.5/29



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 462.897+/-0.103 χ^2/NDF:474600.8/12

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

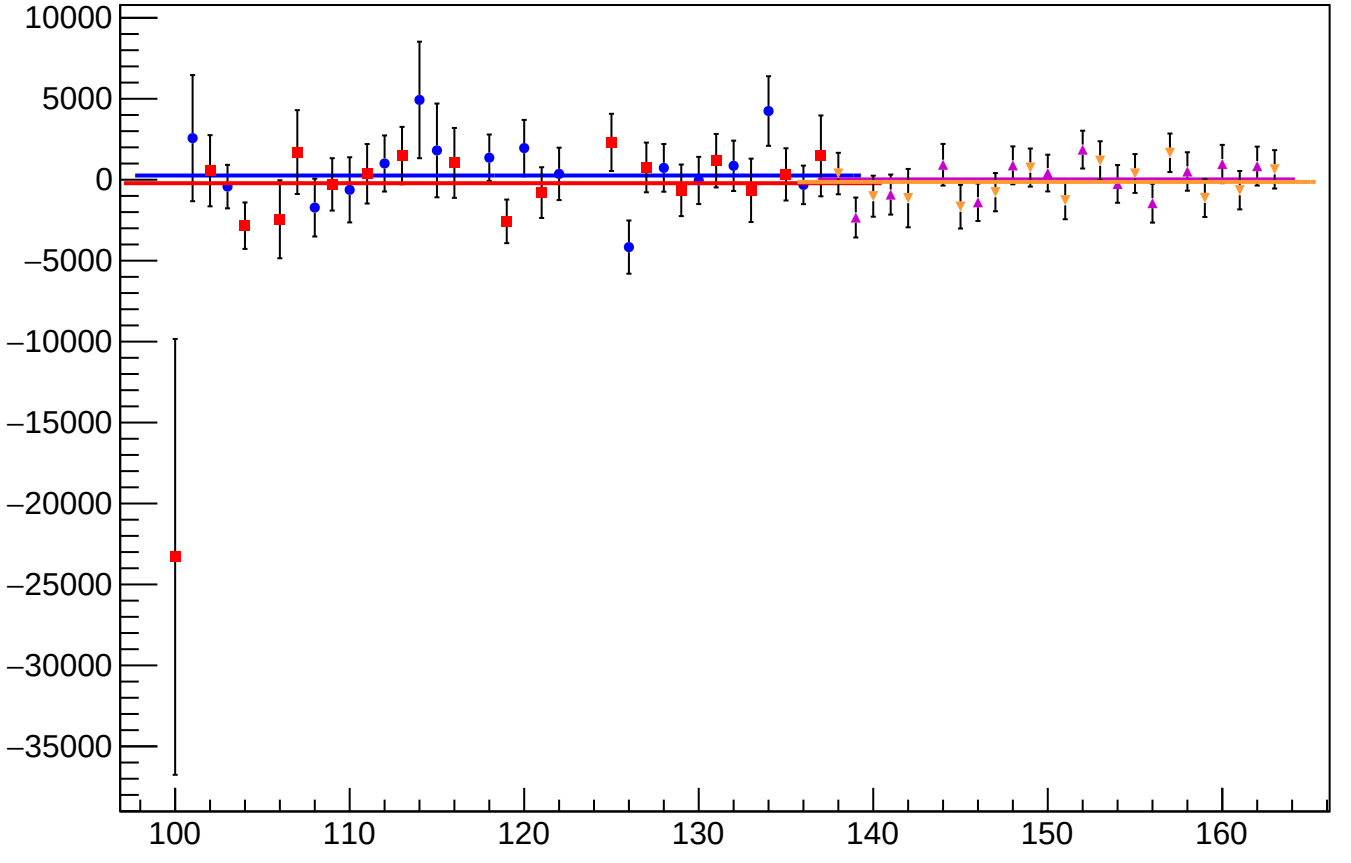
Left In: 473.056+/-0.105 χ^2/NDF:355790.2/11

+ sign 436.004+/-0.077 χ^2/NDF: 2433726.9/28

All: 433.872+/-0.054 χ^2/NDF: 4875206.4/58

- sign 431.763+/-0.076 χ^2/NDF: 2439935.8/29

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

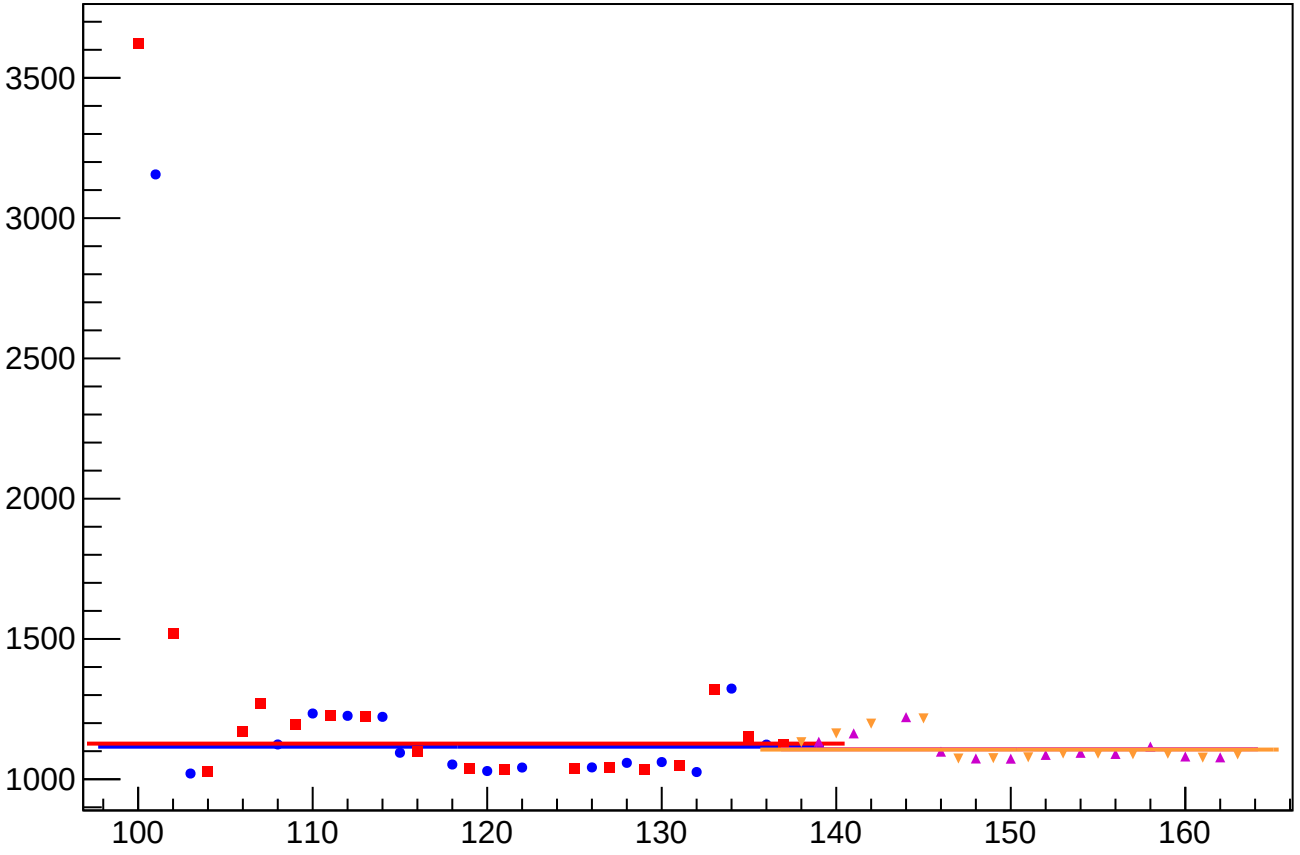
Left In: 19.060+/-344.096 χ^2/NDF:12.2/11

+ sign 21.151+/-266.902 χ^2/NDF: 26.5/28

All: -25.807+/-189.033 χ^2/NDF: 55.1/58

- sign -73.068+/-267.765 χ^2/NDF: 28.6/29

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

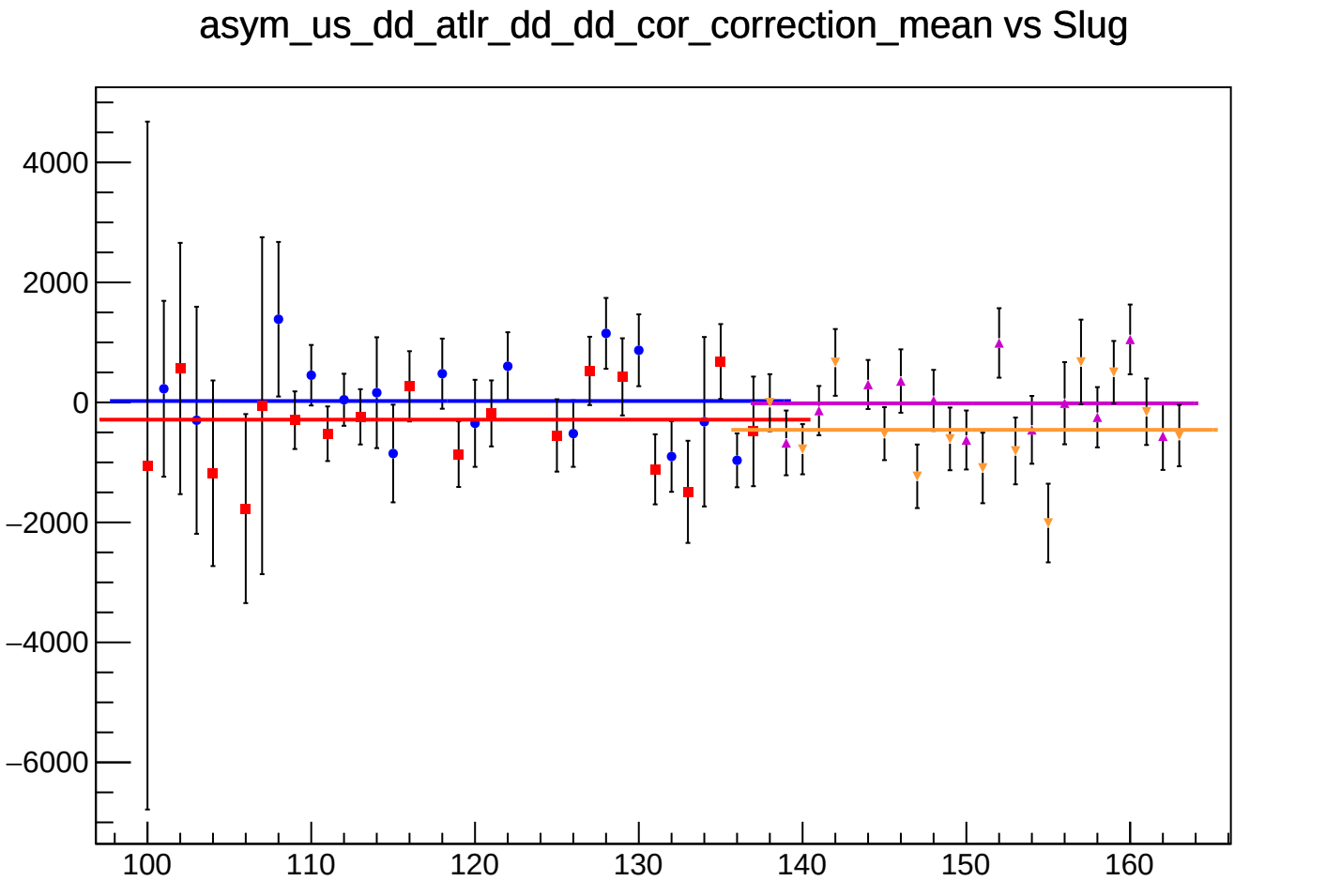
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

+ sign 1109.828+/-0.189 χ^2/NDF: 654692.1/28

All: 1112.324+/-0.134 χ^2/NDF: 908260.0/58

- sign 1114.836+/-0.189 χ^2/NDF: 253216.9/29



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -457.690+/-145.976 χ^2/NDF:21.3/12

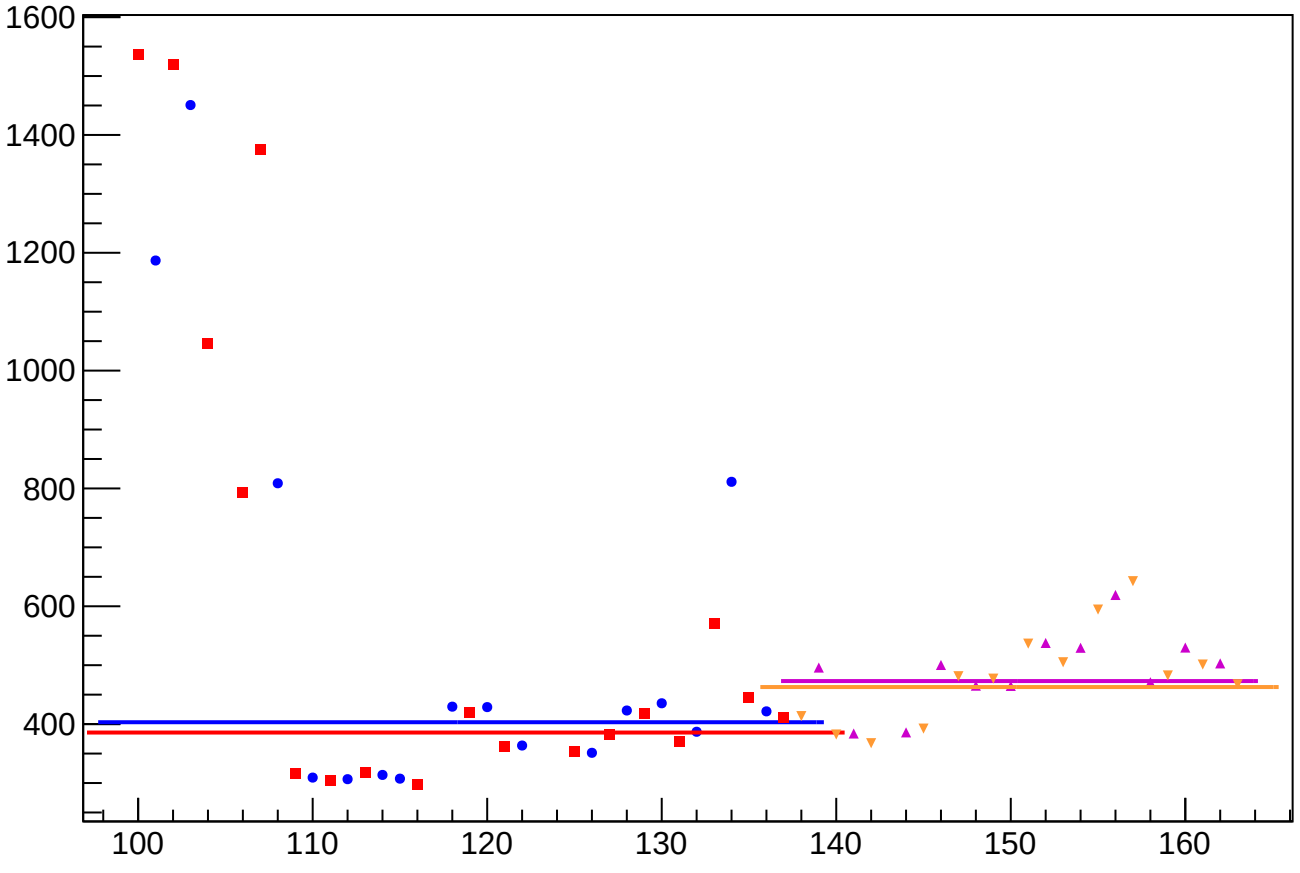
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -15.461+/-148.602 χ^2/NDF:12.4/11

\+ sign -241.201+/-108.215 χ^2/NDF: 45.1/28

All: -192.729+/-76.325 χ^2/NDF: 73.1/58

\- sign -144.747+/-107.667 χ^2/NDF: 27.6/29



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

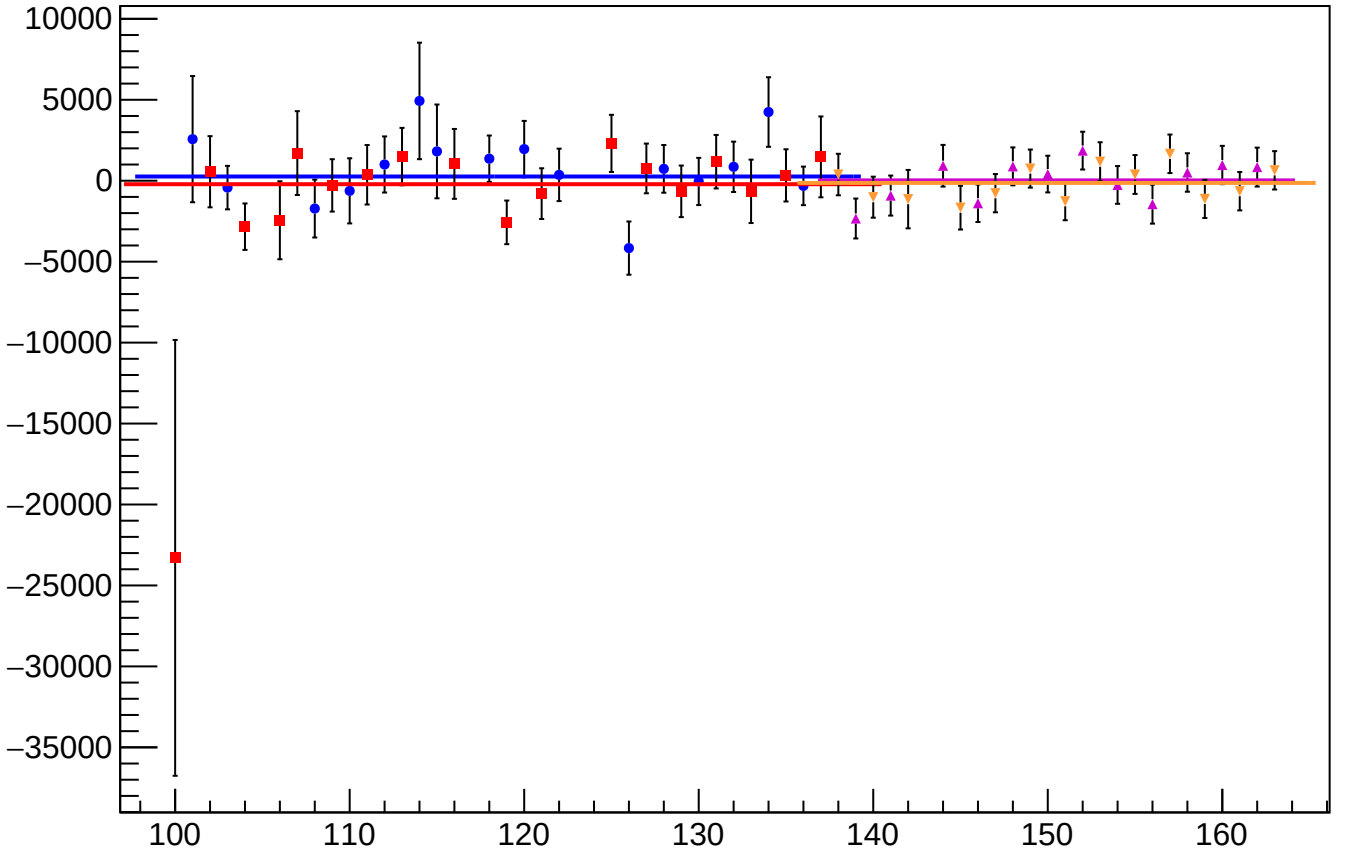
Left In: 473.053+/-0.105 χ^2/NDF:355770.5/11

+ sign 435.997+/-0.077 χ^2/NDF: 2437471.6/28

All: 433.761+/-0.054 χ^2/NDF: 4870533.4/58

- sign 431.547+/-0.076 χ^2/NDF: 2431362.4/29

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: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

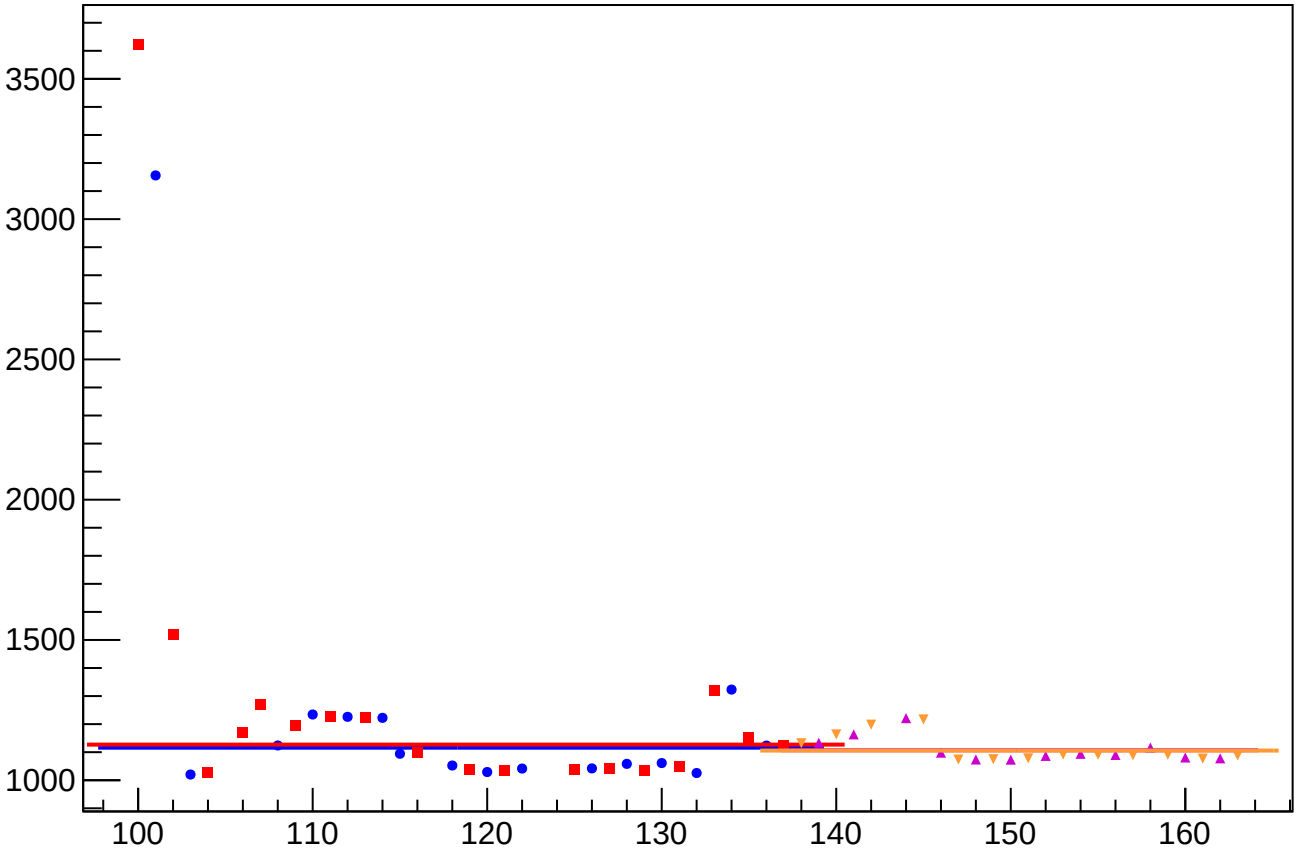
Left In: 19.060+/-344.096 χ^2/NDF:12.2/11

+ sign 21.151+/-266.902 χ^2/NDF: 26.5/28

All: -25.807+/-189.033 χ^2/NDF: 55.1/58

- sign -73.068+/-267.765 χ^2/NDF: 28.6/29

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: 1105.739+/-0.243 χ^2/NDF:30581.5/12

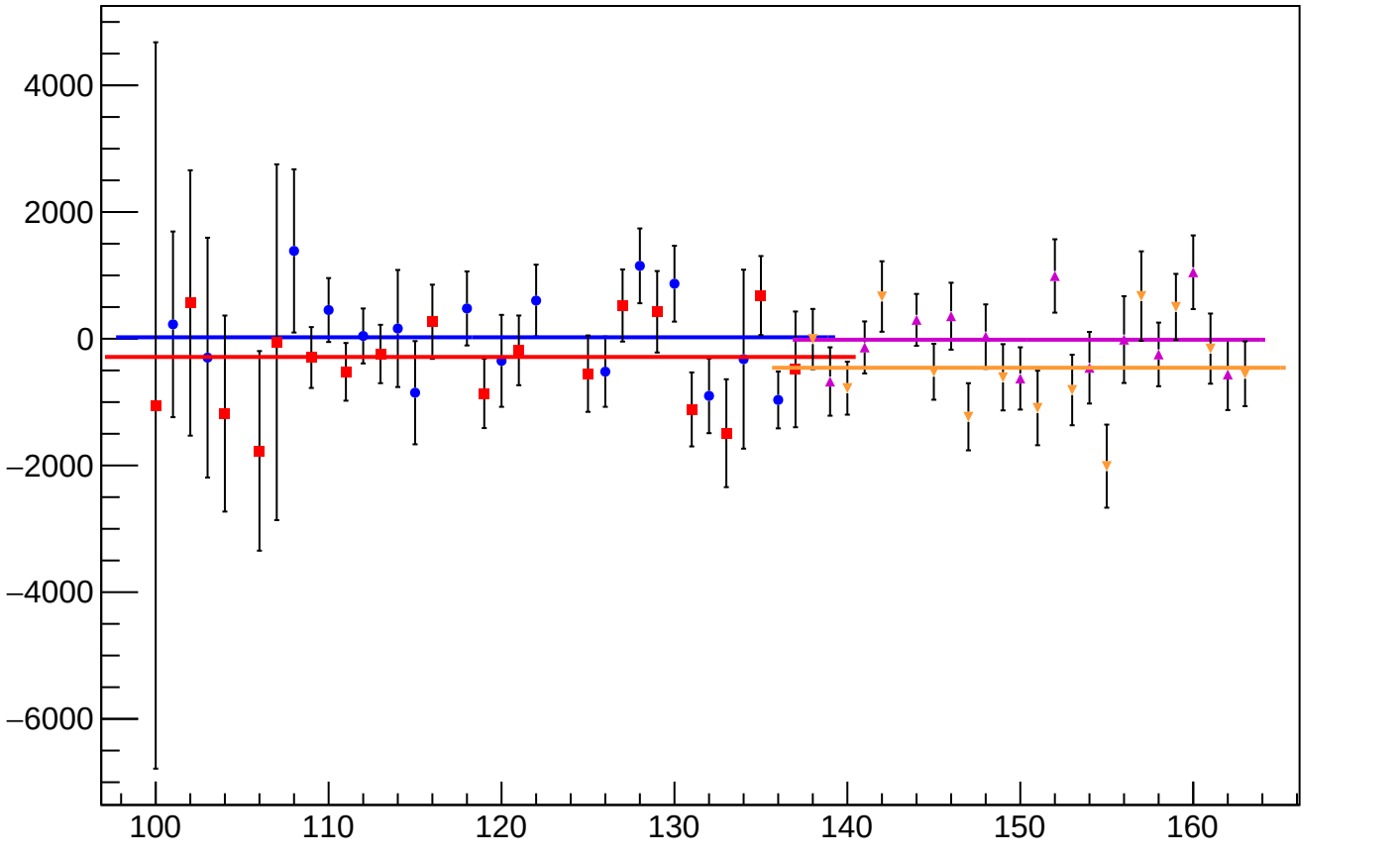
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

\+ sign 1109.828+/-0.189 χ^2/NDF: 654692.1/28

All: 1112.324+/-0.134 χ^2/NDF: 908260.0/58

\- sign 1114.836+/-0.189 χ^2/NDF: 253216.9/29



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -457.690+/-145.976 χ^2/NDF:21.3/12

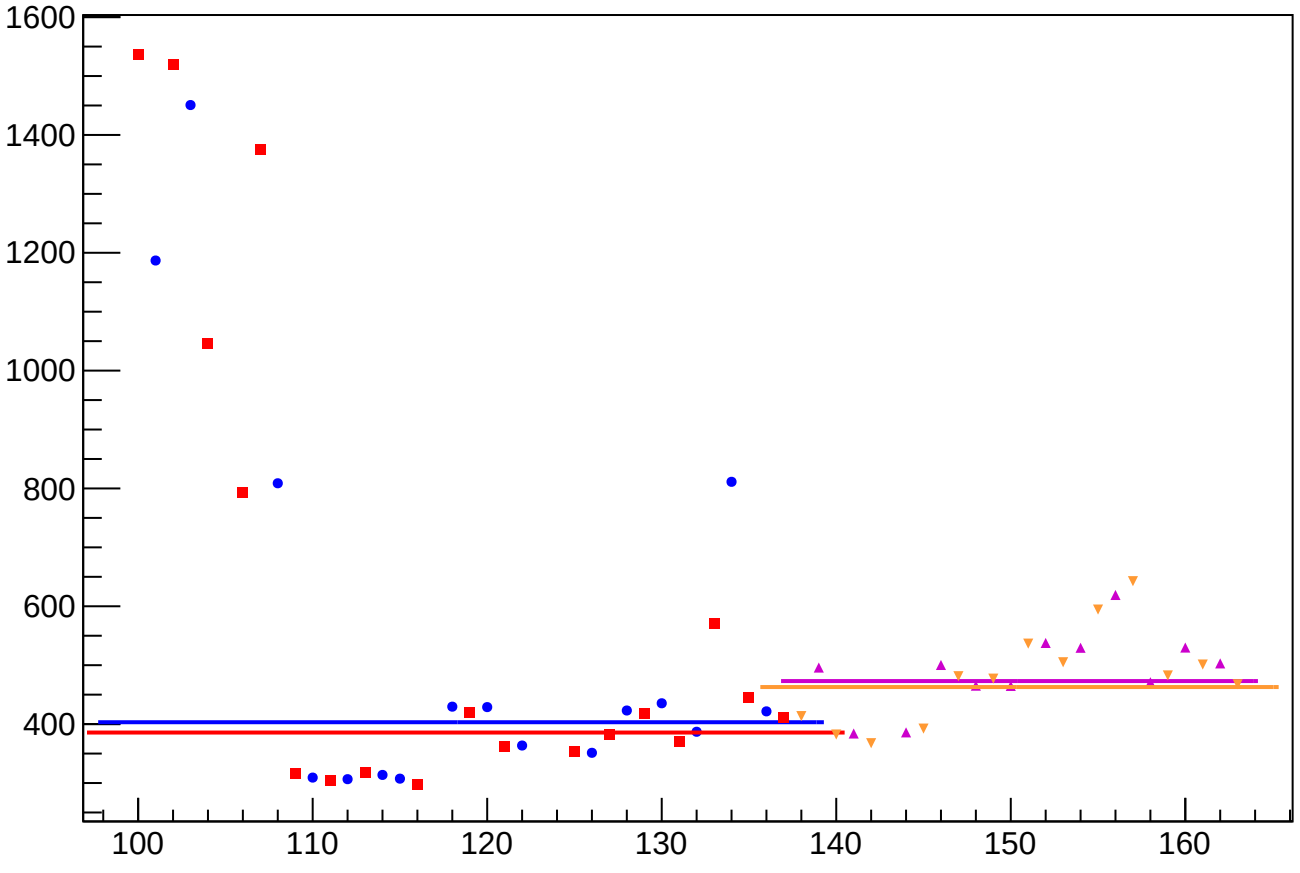
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -15.461+/-148.602 χ^2/NDF:12.4/11

+ sign -241.201+/-108.215 χ^2/NDF: 45.1/28

All: -192.729+/-76.325 χ^2/NDF: 73.1/58

- sign -144.747+/-107.667 χ^2/NDF: 27.6/29



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

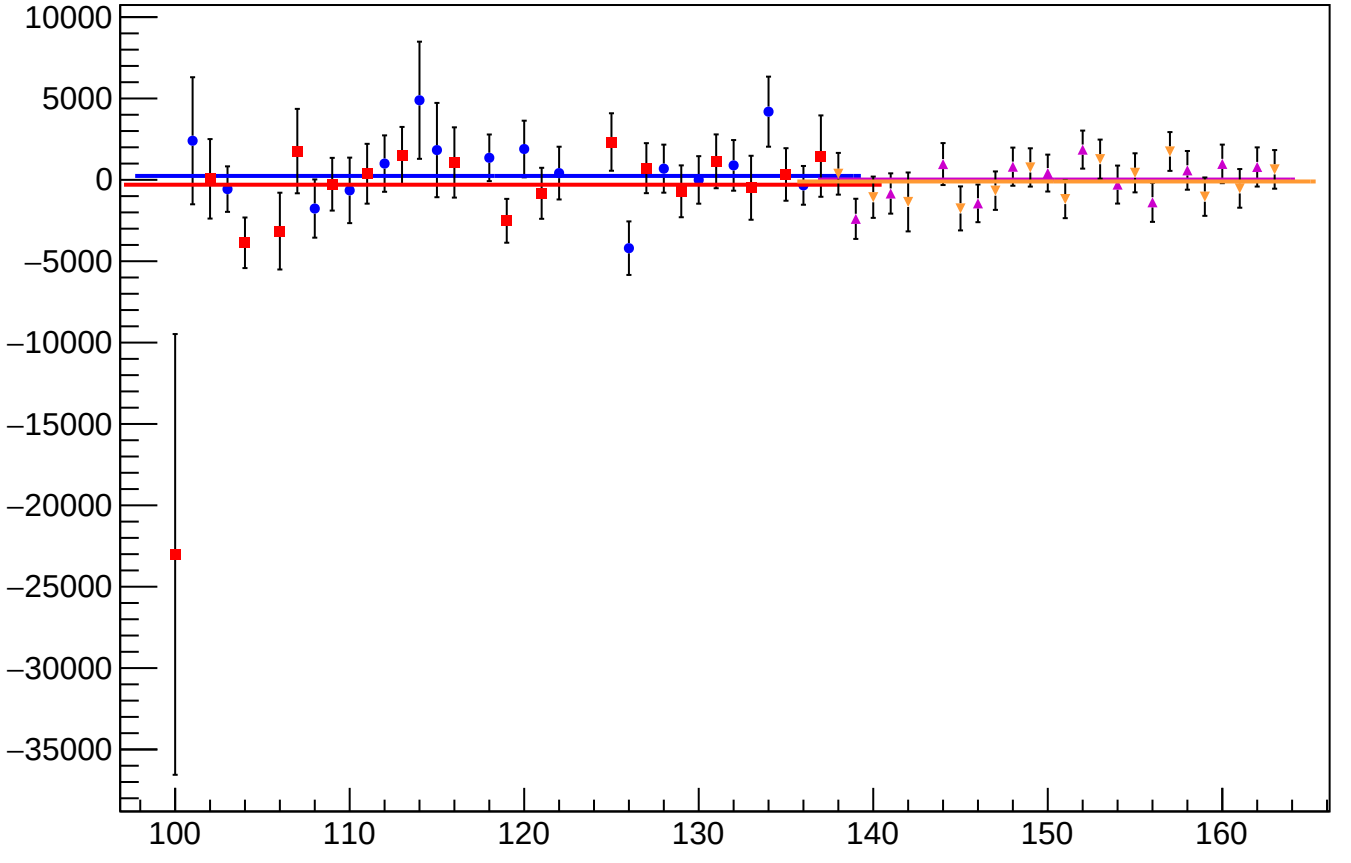
Left In: 473.053+/-0.105 χ^2/NDF:355770.5/11

+ sign 435.997+/-0.077 χ^2/NDF: 2437471.6/28

All: 433.761+/-0.054 χ^2/NDF: 4870533.4/58

- sign 431.547+/-0.076 χ^2/NDF: 2431362.4/29

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -99.532+/-343.558 χ^2/NDF:9.3/12

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

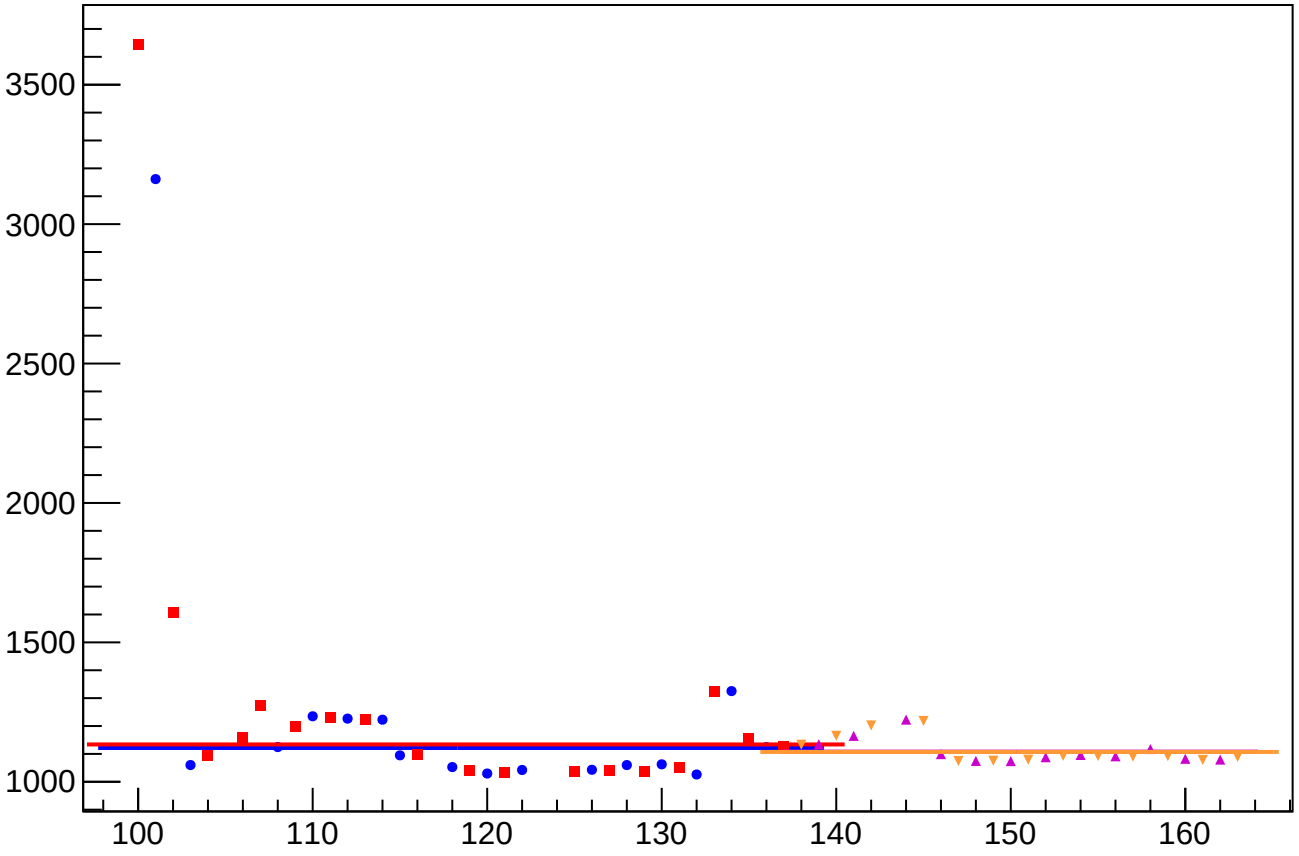
Left In: 18.211+/-344.487 χ^2/NDF:12.2/11

+ sign 34.373+/-267.573 χ^2/NDF: 26.7/28

All: -35.178+/-189.718 χ^2/NDF: 58.0/58

- sign -105.492+/-269.038 χ^2/NDF: 31.2/29

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1107.037+/-0.243 χ^2/NDF:30941.9/12

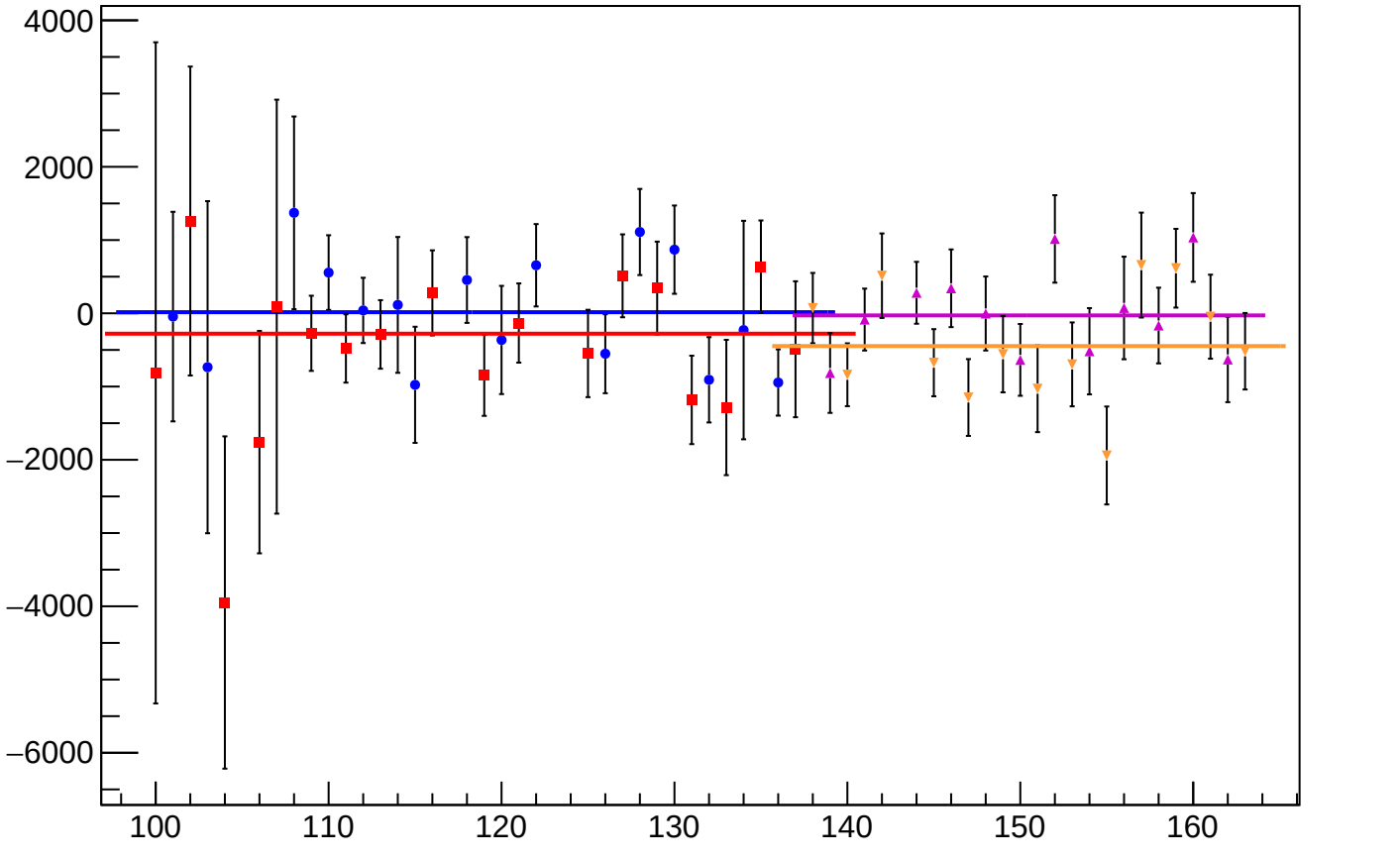
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1108.191+/-0.244 χ^2/NDF:27845.2/11

\+ sign 1112.646+/-0.189 χ^2/NDF: 649325.2/28

All: 1115.423+/-0.134 χ^2/NDF: 909415.7/58

\- sign 1118.230+/-0.190 χ^2/NDF: 259657.3/29



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -447.424+/-148.902 χ^2/NDF:19.8/12

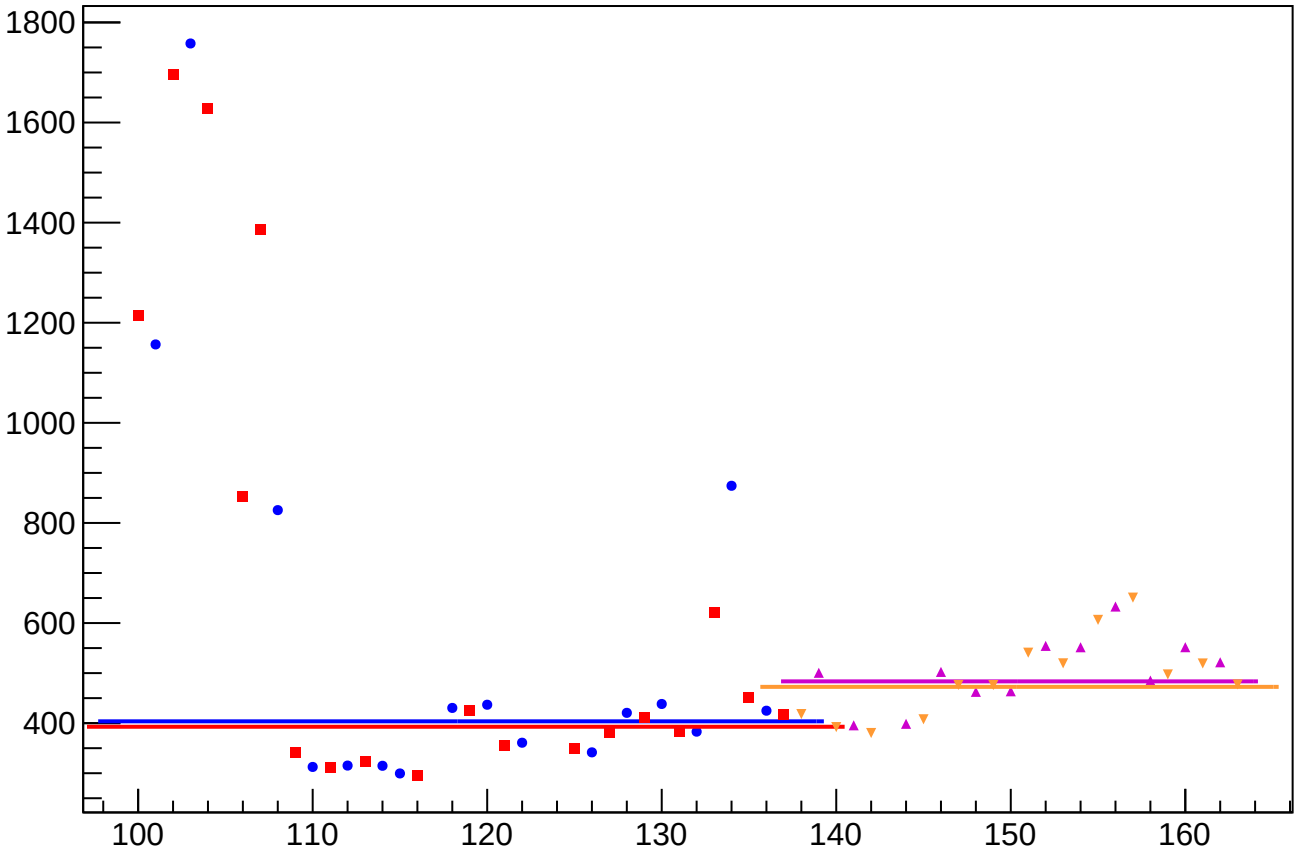
Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -28.833+/-151.858 χ^2/NDF:12.7/11

+ sign -235.306+/-109.580 χ^2/NDF: 43.8/28

All: -191.700+/-77.549 χ^2/NDF: 73.2/58

- sign -147.950+/-109.761 χ^2/NDF: 29.0/29



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 472.511+/-0.105 χ^2/NDF:448864.7/12

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

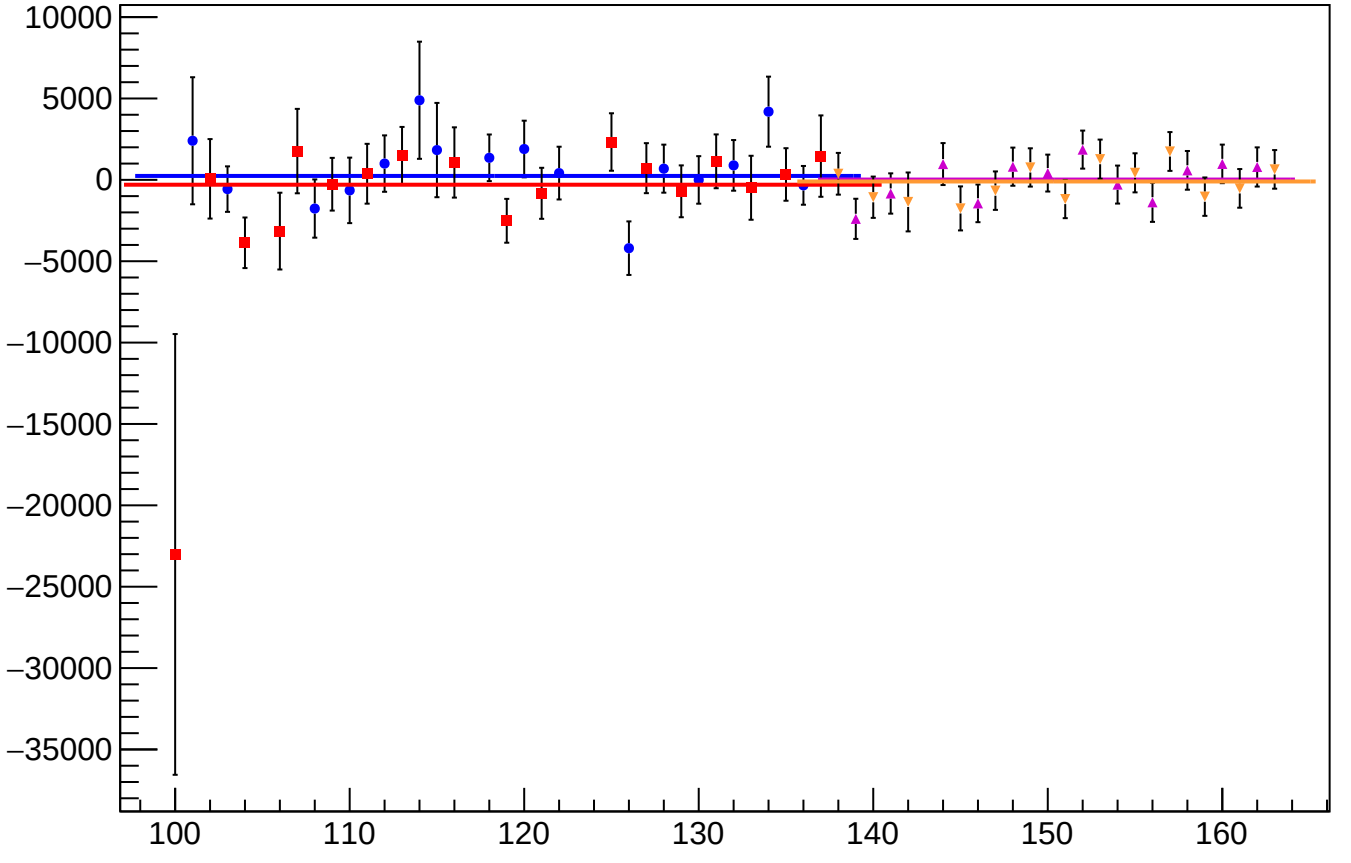
Left In: 483.488+/-0.107 χ^2/NDF:358315.7/11

+ sign 440.947+/-0.077 χ^2/NDF: 2574513.7/28

All: 440.568+/-0.055 χ^2/NDF: 5476826.1/58

- sign 440.187+/-0.078 χ^2/NDF: 2902264.5/29

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: -99.537+/-343.558 χ^2/NDF:9.3/12

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

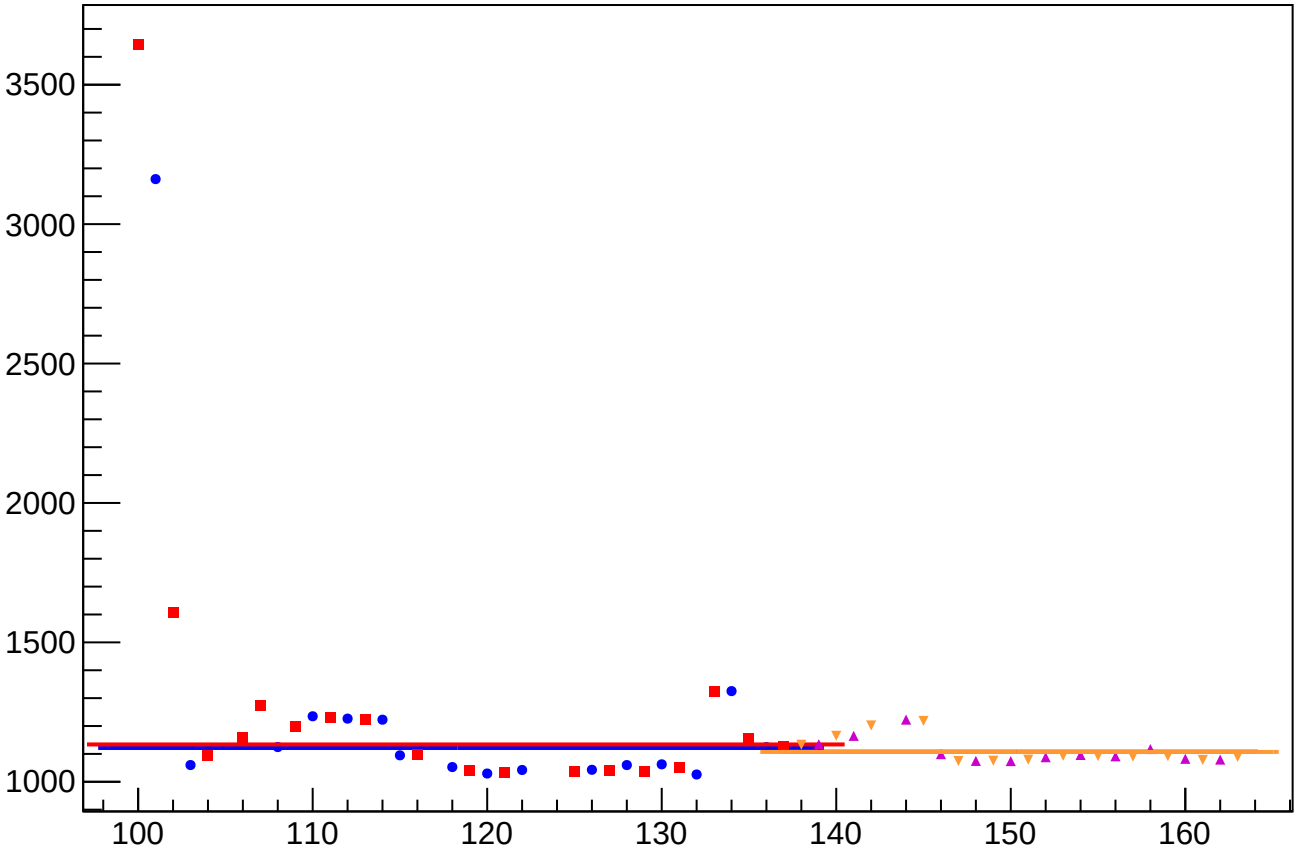
Left In: 18.211+/-344.487 χ^2/NDF:12.2/11

+ sign 34.371+/-267.573 χ^2/NDF: 26.7/28

All: -35.179+/-189.718 χ^2/NDF: 58.0/58

- sign -105.493+/-269.038 χ^2/NDF: 31.2/29

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: 1107.037+/-0.243 χ^2/NDF:30942.0/12

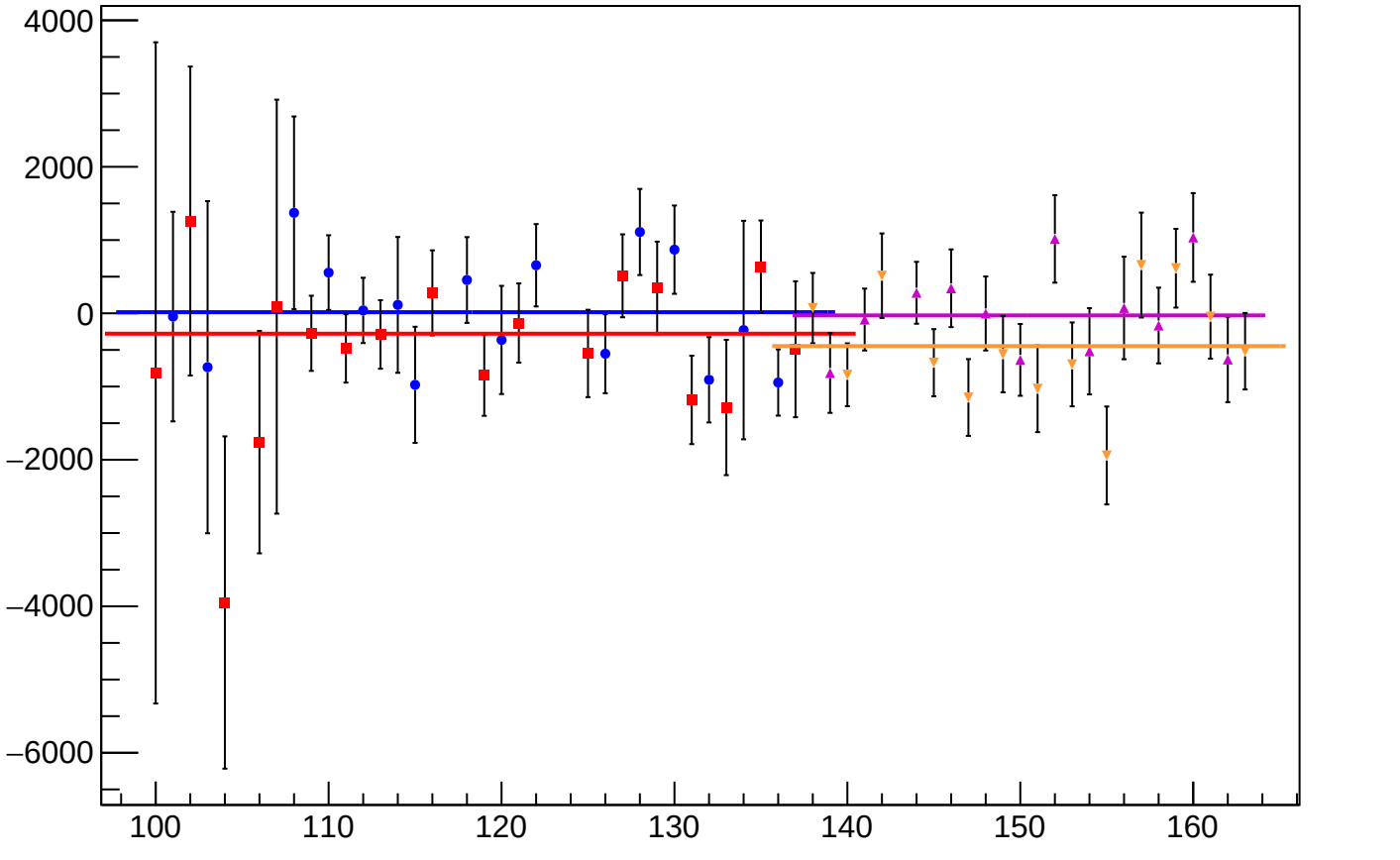
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1108.191+/-0.244 χ^2/NDF:27845.2/11

+ sign 1112.646+/-0.189 χ^2/NDF: 649325.3/28

All: 1115.423+/-0.134 χ^2/NDF: 909415.9/58

- sign 1118.230+/-0.190 χ^2/NDF: 259657.4/29



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -447.427+/-148.902 χ^2/NDF:19.8/12

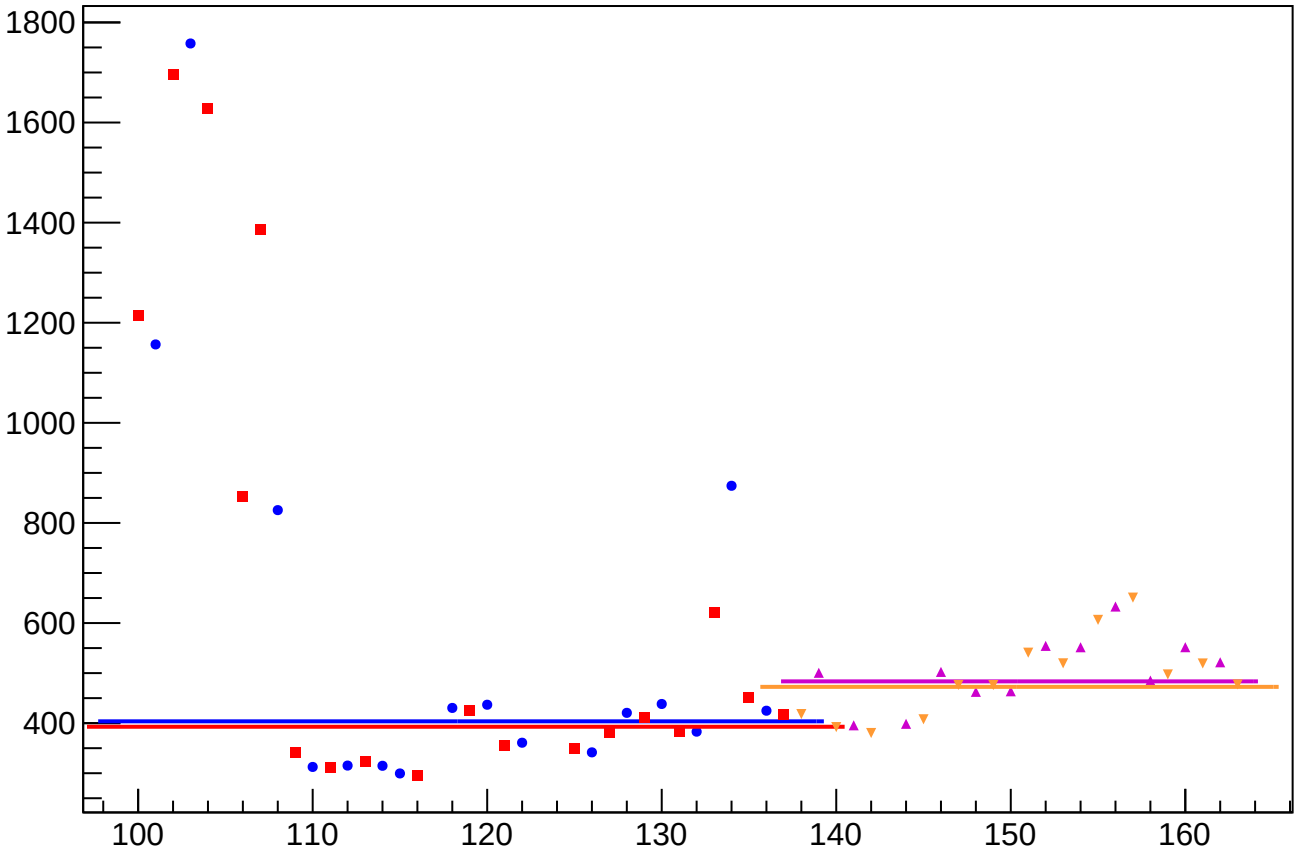
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -28.834+/-151.858 χ^2/NDF:12.7/11

+ sign -235.308+/-109.580 χ^2/NDF: 43.8/28

All: -191.701+/-77.549 χ^2/NDF: 73.2/58

- sign -147.950+/-109.761 χ^2/NDF: 29.0/29



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 472.512+/-0.105 χ^2/NDF:448886.2/12

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

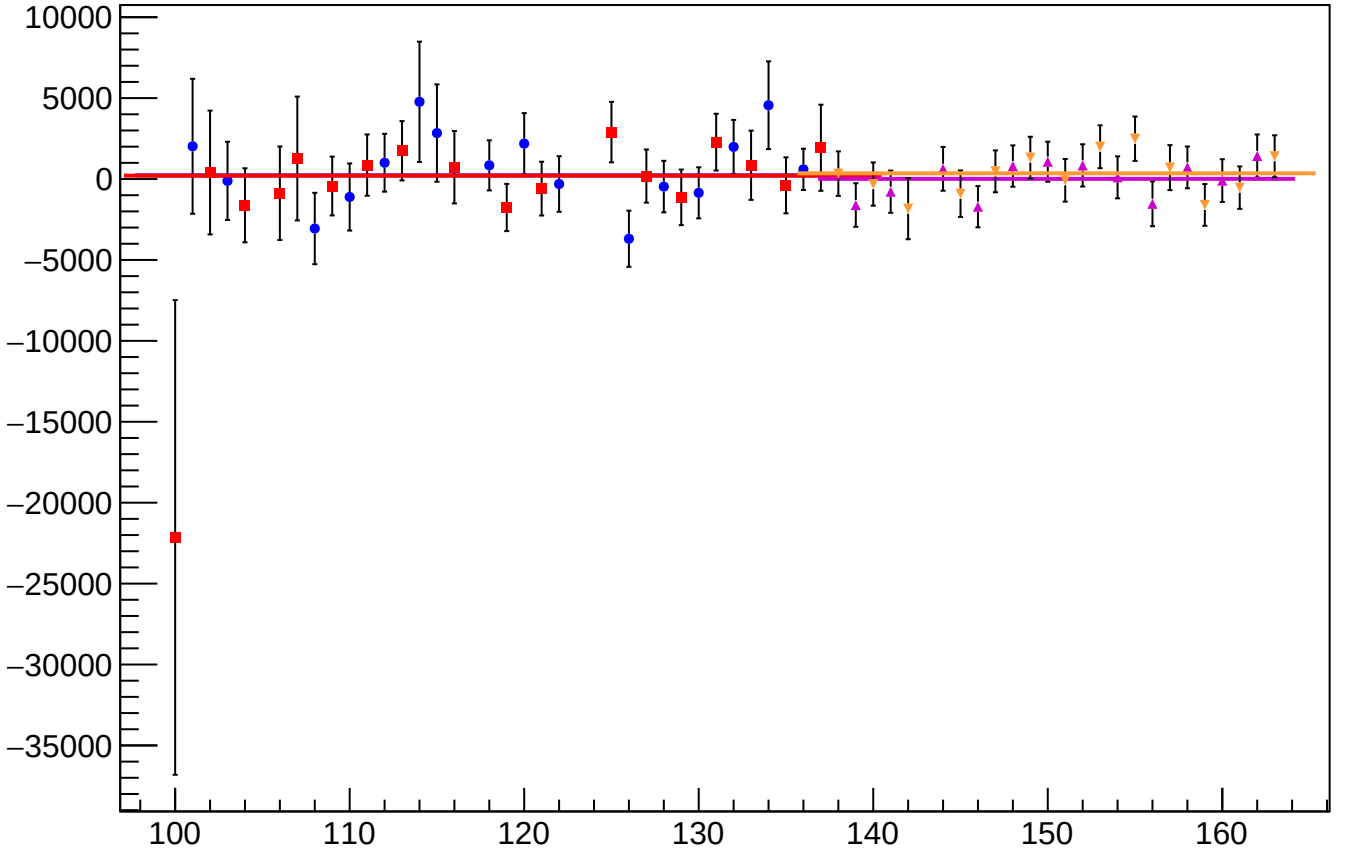
Left In: 483.490+/-0.107 χ^2/NDF:358323.6/11

+ sign 440.945+/-0.077 χ^2/NDF: 2574552.3/28

All: 440.566+/-0.055 χ^2/NDF: 5476916.6/58

- sign 440.186+/-0.078 χ^2/NDF: 2902316.4/29

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 353.412+/-377.224 χ^2/NDF:10.5/12

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

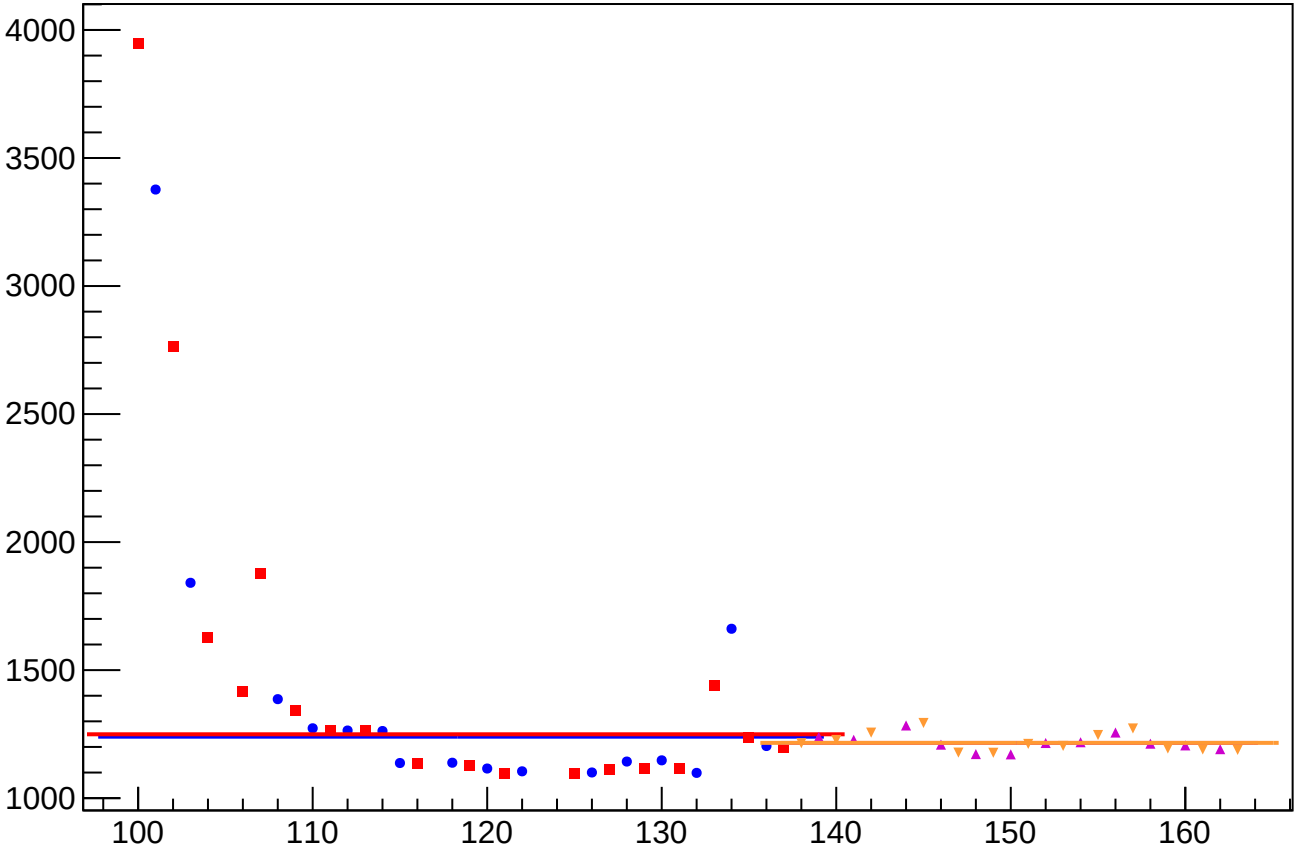
Left In: 11.526+/-377.741 χ^2/NDF:8.0/11

+ sign 303.620+/-295.296 χ^2/NDF: 26.6/28

All: 196.068+/-209.169 χ^2/NDF: 46.0/58

- sign 87.764+/-296.327 χ^2/NDF: 19.1/29

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1215.925+/-0.267 χ^2/NDF:17158.6/12

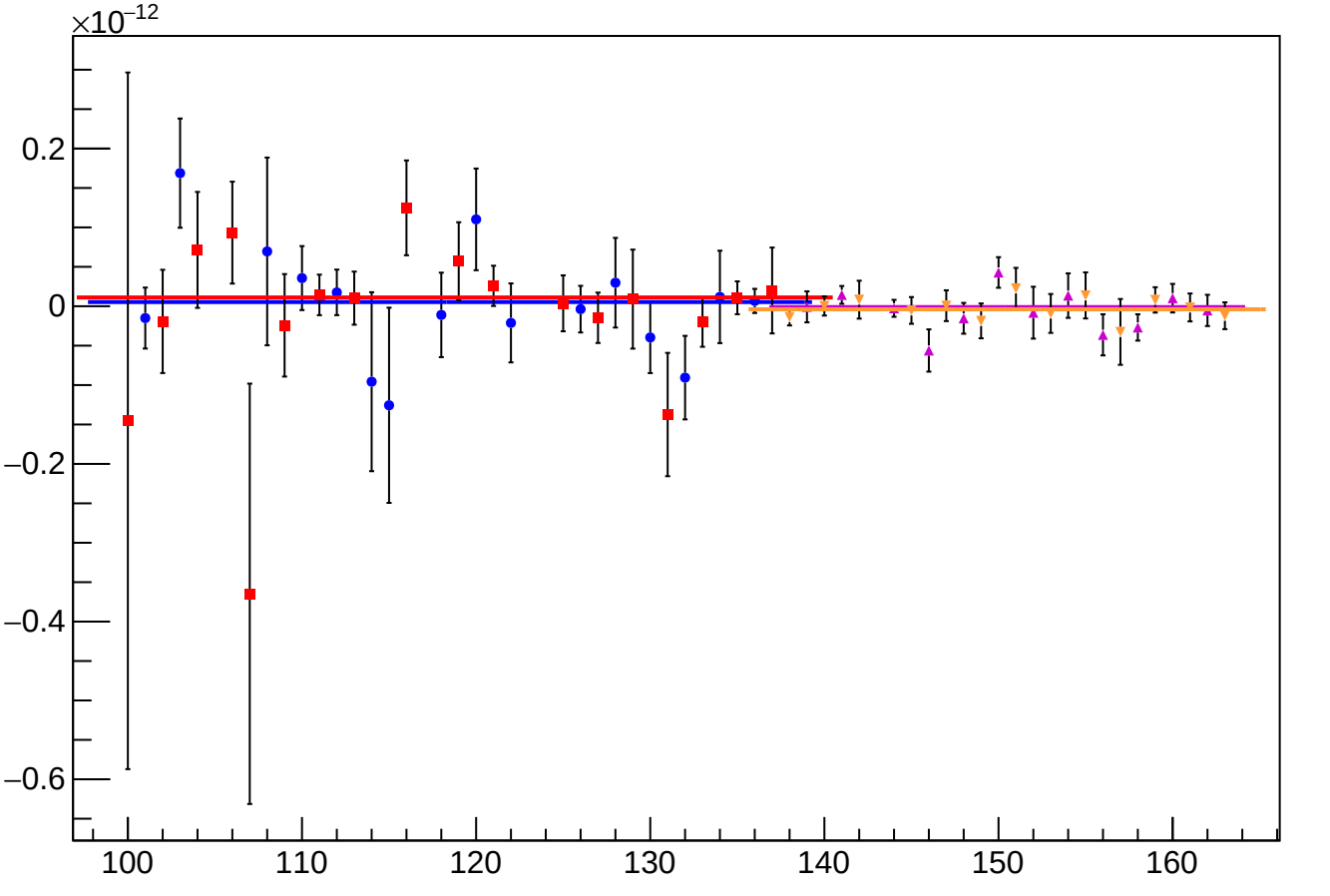
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.542+/-0.267 χ^2/NDF:13344.4/11

+ sign 1225.301+/-0.209 χ^2/NDF: 803029.5/28

All: 1226.929+/-0.148 χ^2/NDF: 1428778.8/58

- sign 1228.568+/-0.210 χ^2/NDF: 625627.4/29



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/12

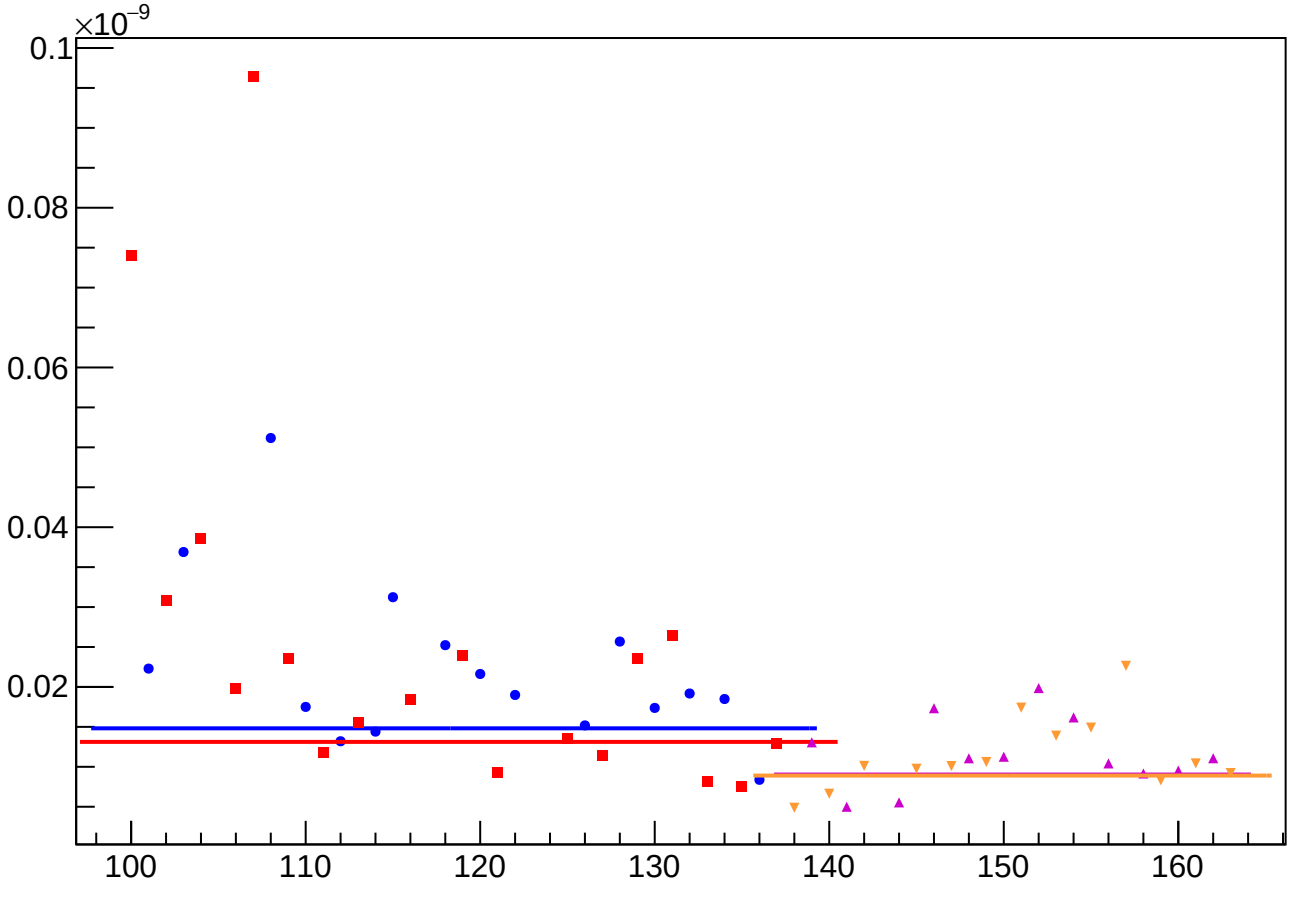
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: -0.000+/-0.000 χ^2/NDF:16.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 21.6/28

All: -0.000+/-0.000 χ^2/NDF: 55.0/58

- sign 0.000+/-0.000 χ^2/NDF: 33.1/29



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1002372.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

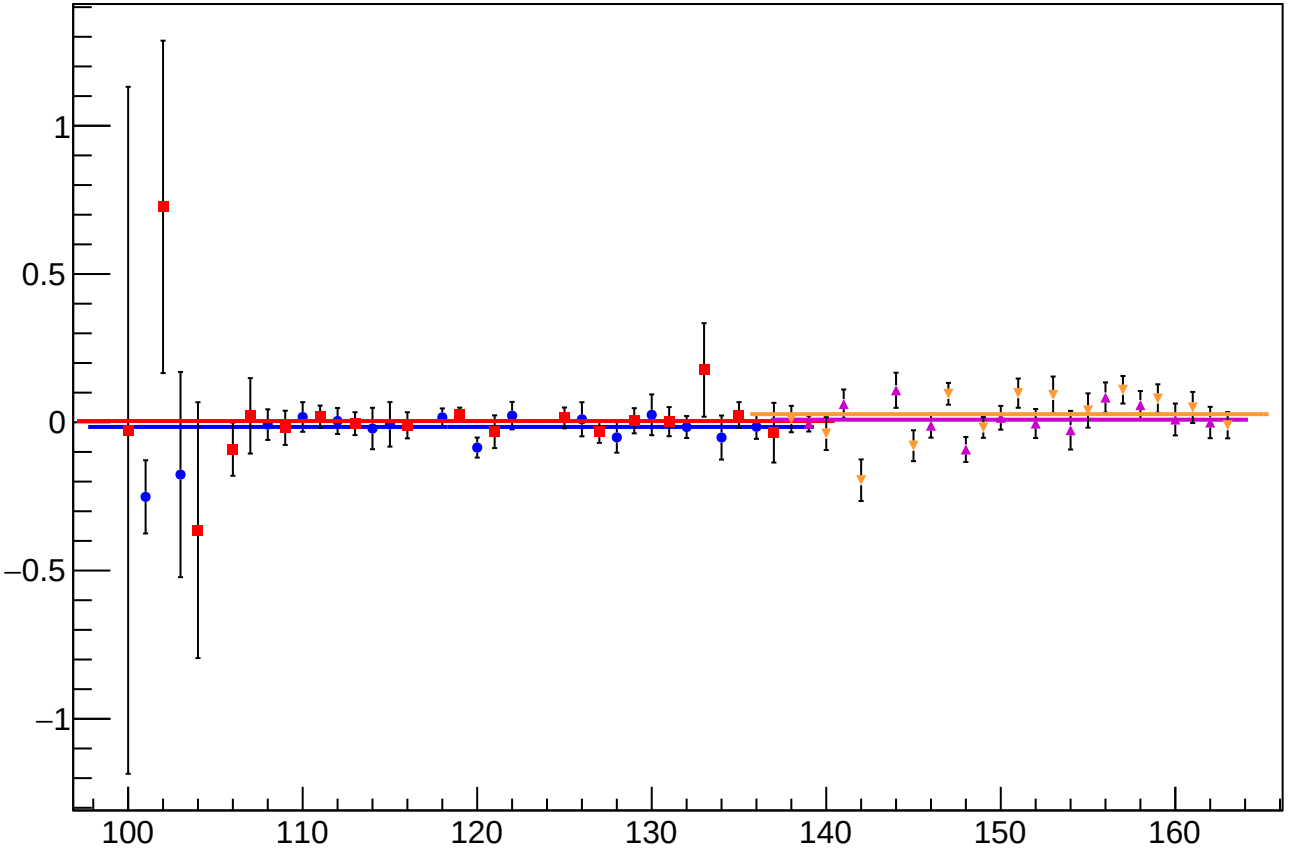
Left In: 0.000+/-0.000 χ^2/NDF:1160923.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 2678297.2/28

All: 0.000+/-0.000 χ^2/NDF: 5316746.4/58

- sign 0.000+/-0.000 χ^2/NDF: 2636948.9/29

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.4/12

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

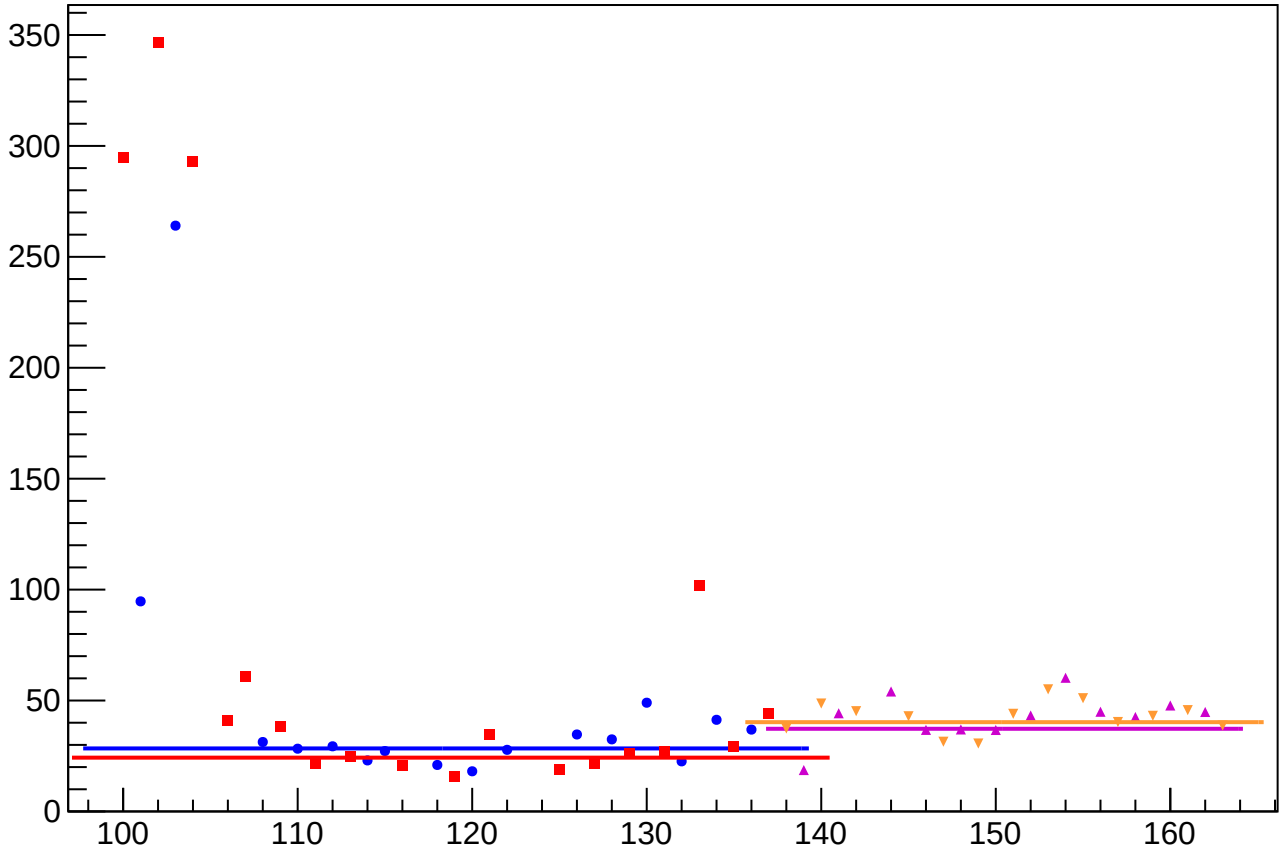
Left In: 0.009+/-0.013 χ^2/NDF:13.8/11

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.005+/-0.006 χ^2/NDF: 68.7/58

- sign 0.006+/-0.009 χ^2/NDF: 21.7/29

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

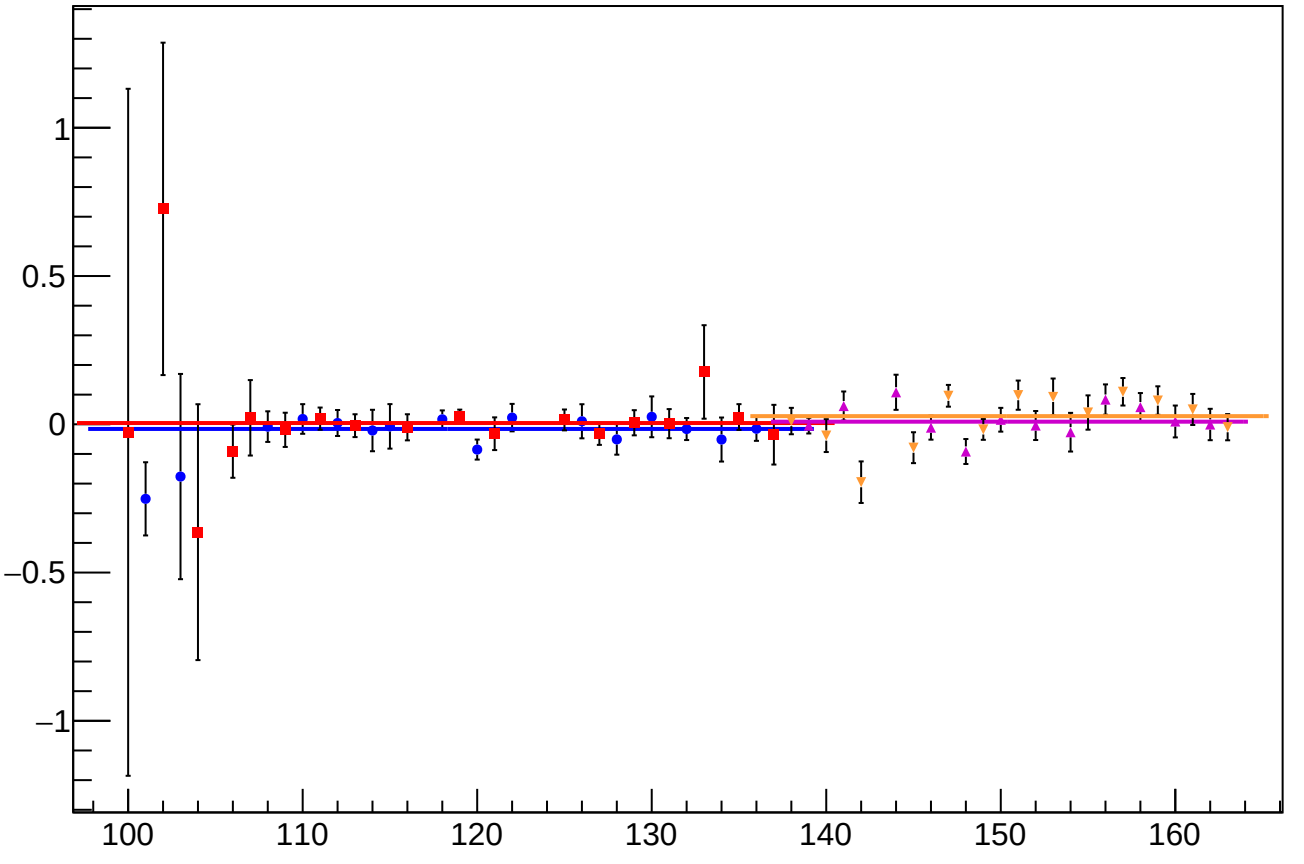
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 37.265+/-0.009 χ^2/NDF:1654058.5/11

+ sign 33.897+/-0.006 χ^2/NDF: 3663642.2/28

All: 31.857+/-0.004 χ^2/NDF: 9574006.9/58

- sign 30.032+/-0.006 χ^2/NDF: 5716456.5/29



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.4/12

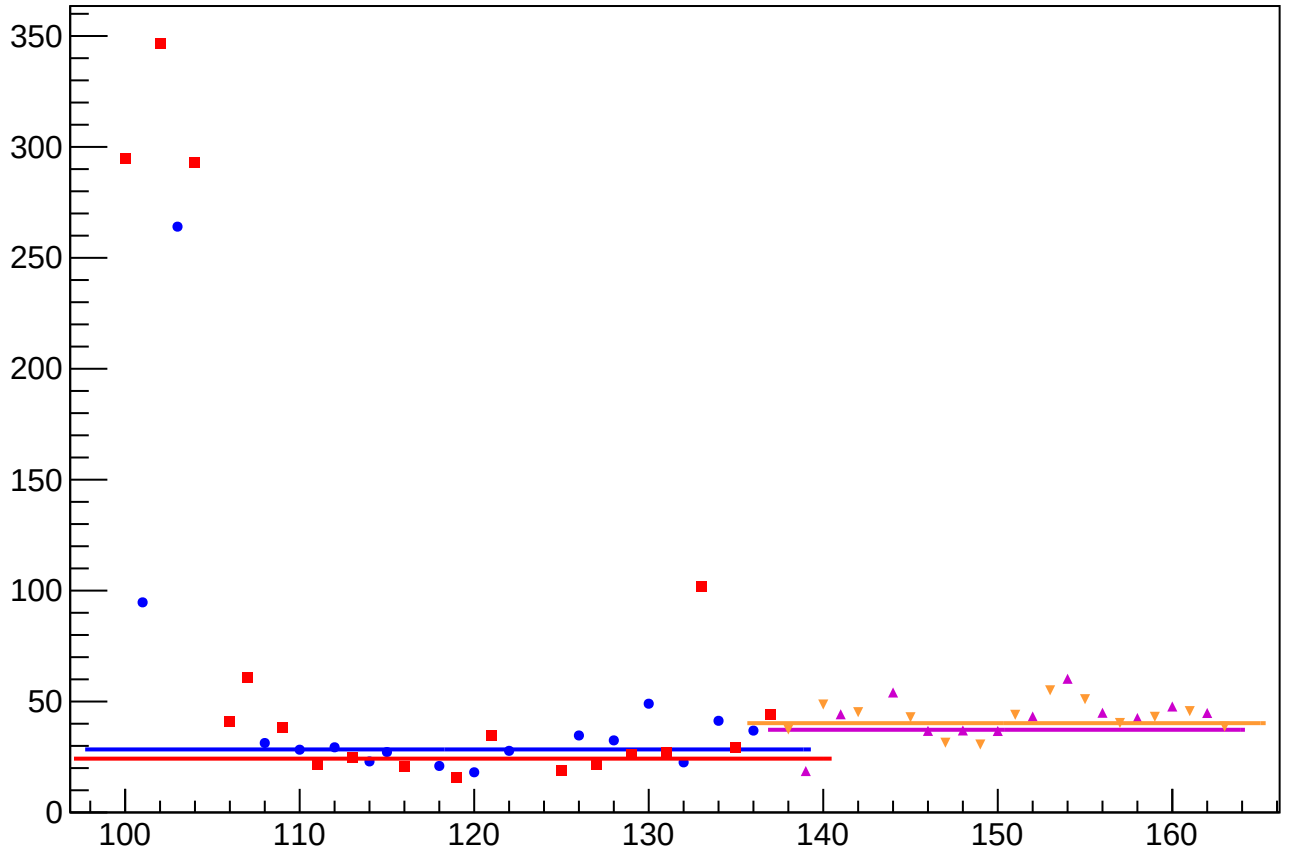
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.009+/-0.013 χ^2/NDF:13.8/11

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.005+/-0.006 χ^2/NDF: 68.7/58

- sign 0.006+/-0.009 χ^2/NDF: 21.7/29



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

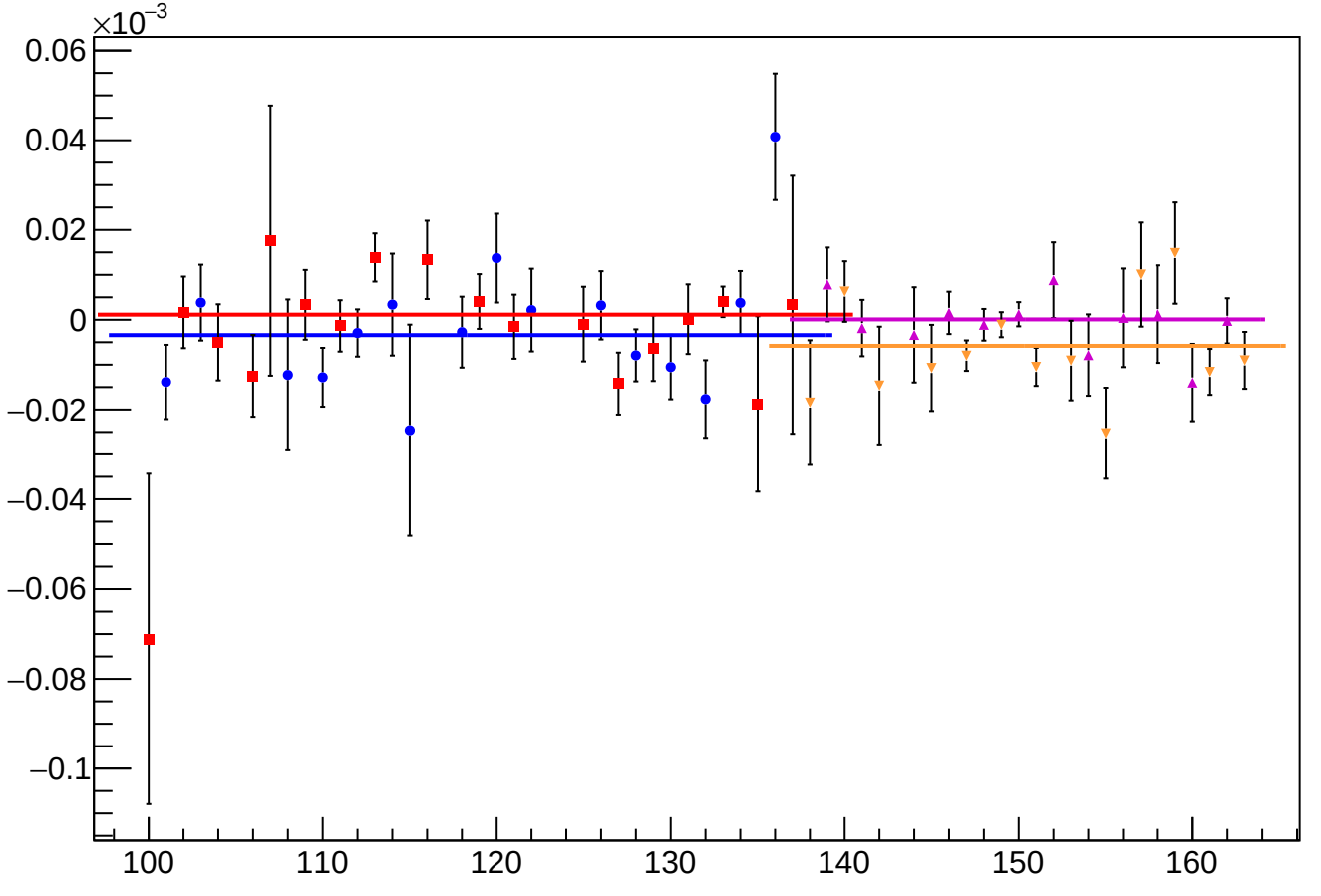
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 37.265+/-0.009 χ^2/NDF:1654058.5/11

+ sign 33.897+/-0.006 χ^2/NDF: 3663642.2/28

All: 31.857+/-0.004 χ^2/NDF: 9574006.9/58

- sign 30.032+/-0.006 χ^2/NDF: 5716456.5/29



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/12

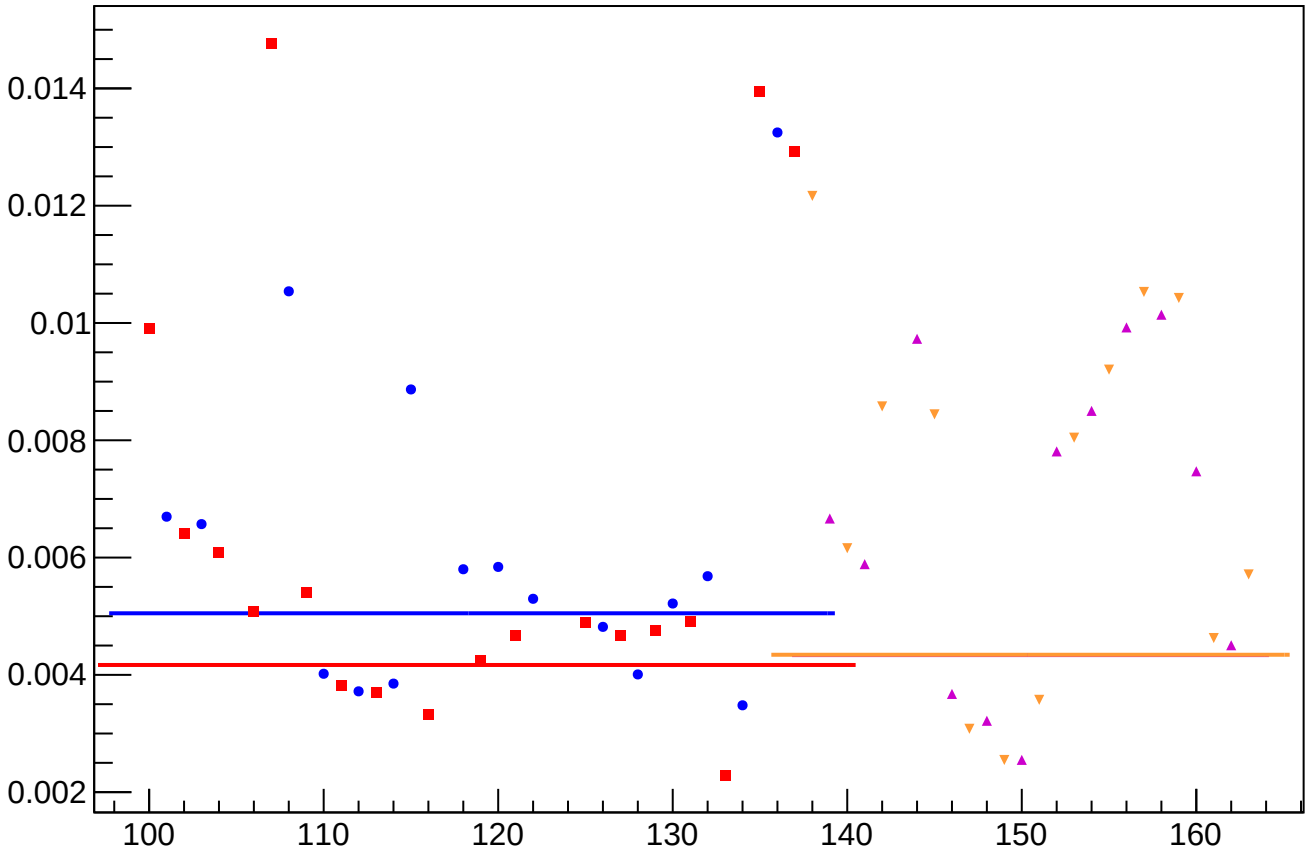
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/28

All: -0.000+/-0.000 χ^2/NDF: 85.7/58

- sign 0.000+/-0.000 χ^2/NDF: 29.2/29



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4583522.6/12

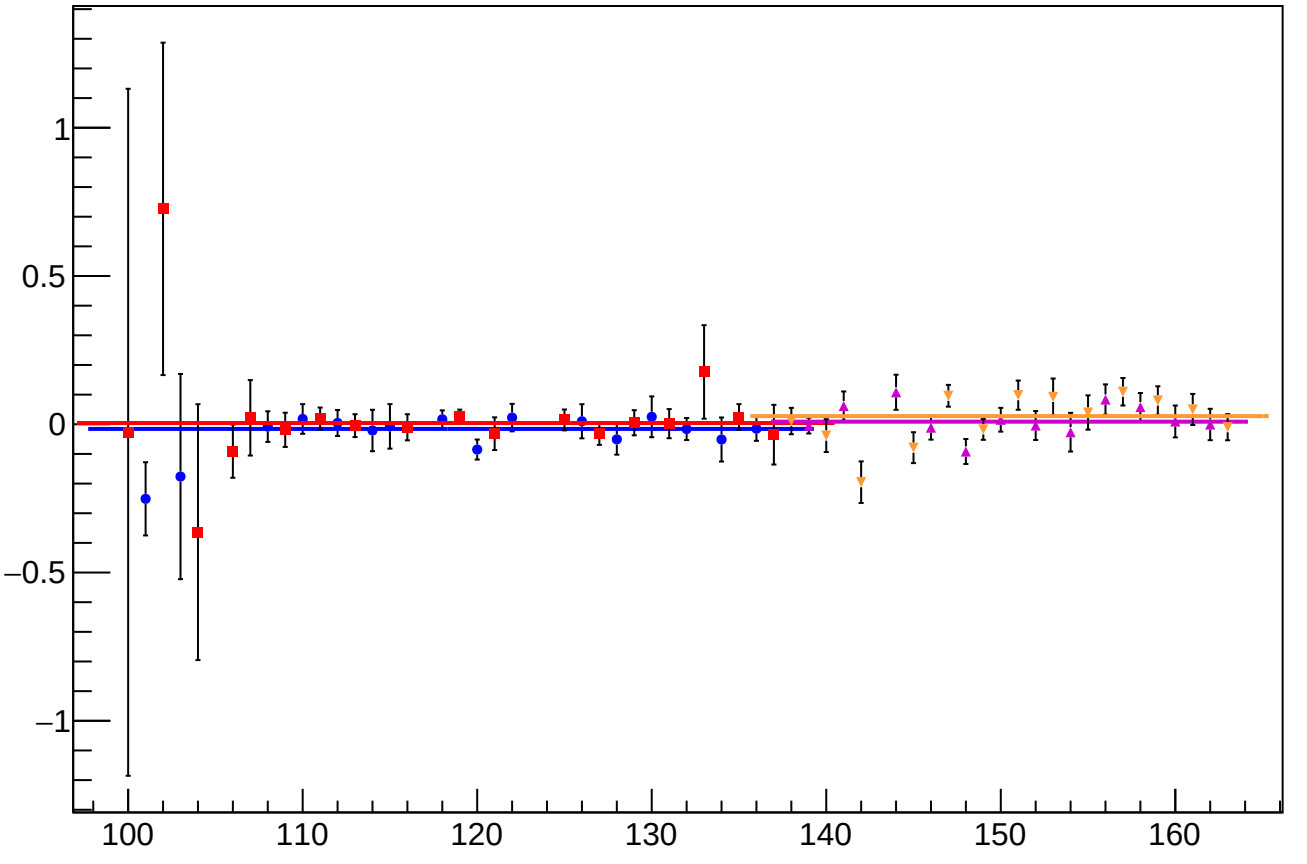
Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4036560.8/11

+ sign 0.005+/-0.000 χ^2/NDF: 6231492.3/28

All: 0.004+/-0.000 χ^2/NDF: 12404312.7/58

- sign 0.004+/-0.000 χ^2/NDF: 6089188.8/29



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.3/12

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

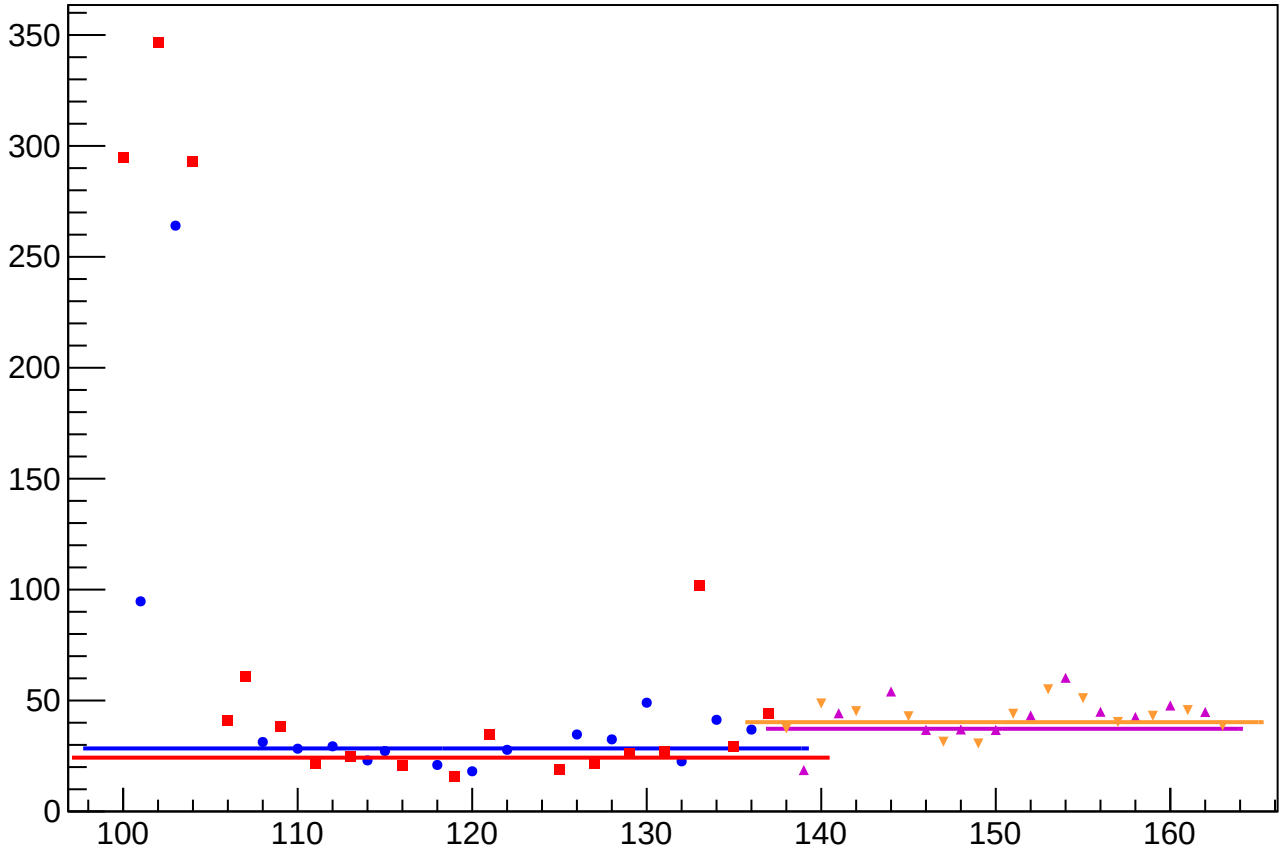
Left In: 0.009+/-0.013 χ^2/NDF:13.8/11

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.005+/-0.006 χ^2/NDF: 68.7/58

- sign 0.006+/-0.009 χ^2/NDF: 21.7/29

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 40.250+/-0.009 χ^2/NDF:560652.8/12

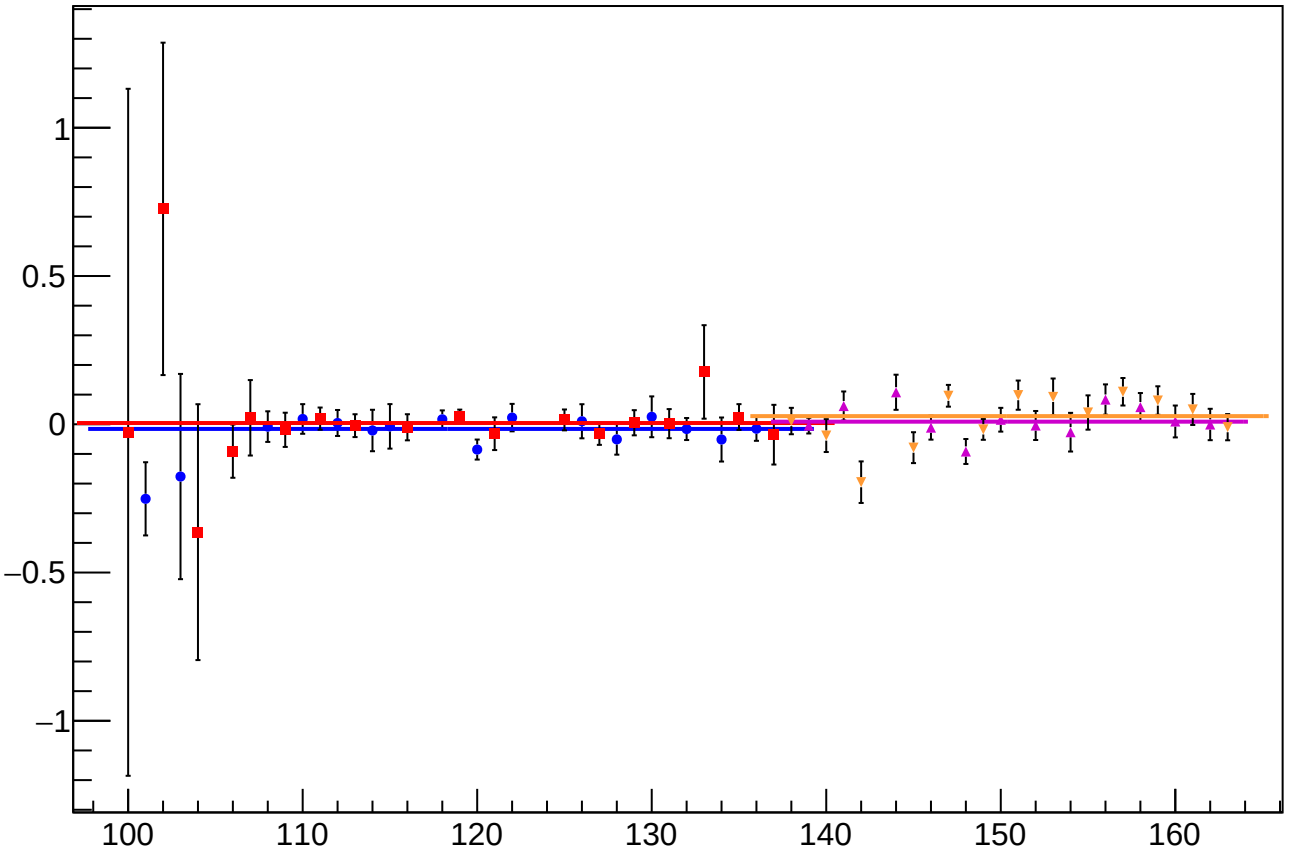
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 37.263+/-0.009 χ^2/NDF:1654766.4/11

+ sign 33.896+/-0.006 χ^2/NDF: 3663840.4/28

All: 31.856+/-0.004 χ^2/NDF: 9575390.0/58

- sign 30.031+/-0.006 χ^2/NDF: 5717499.8/29



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.3/12

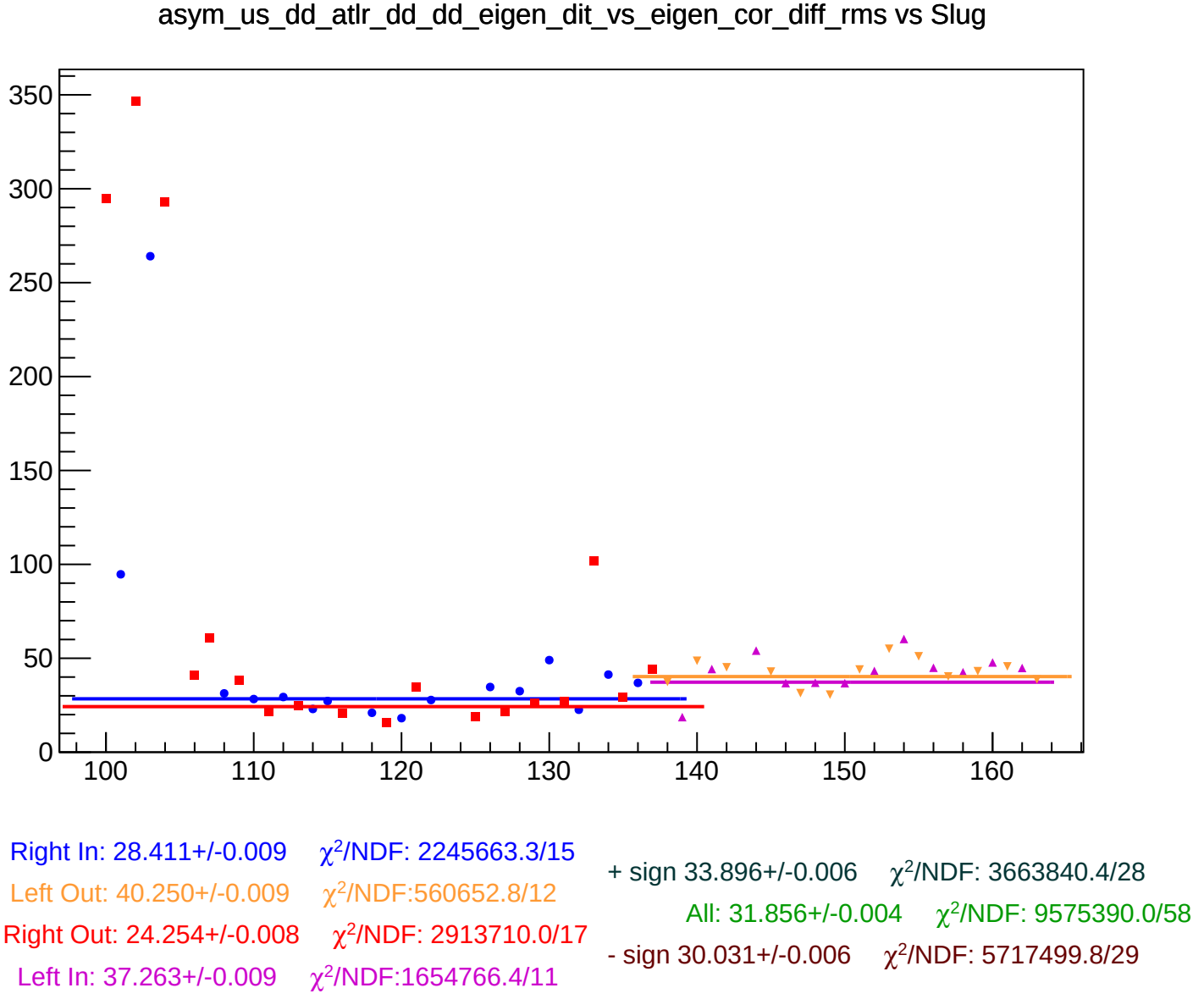
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

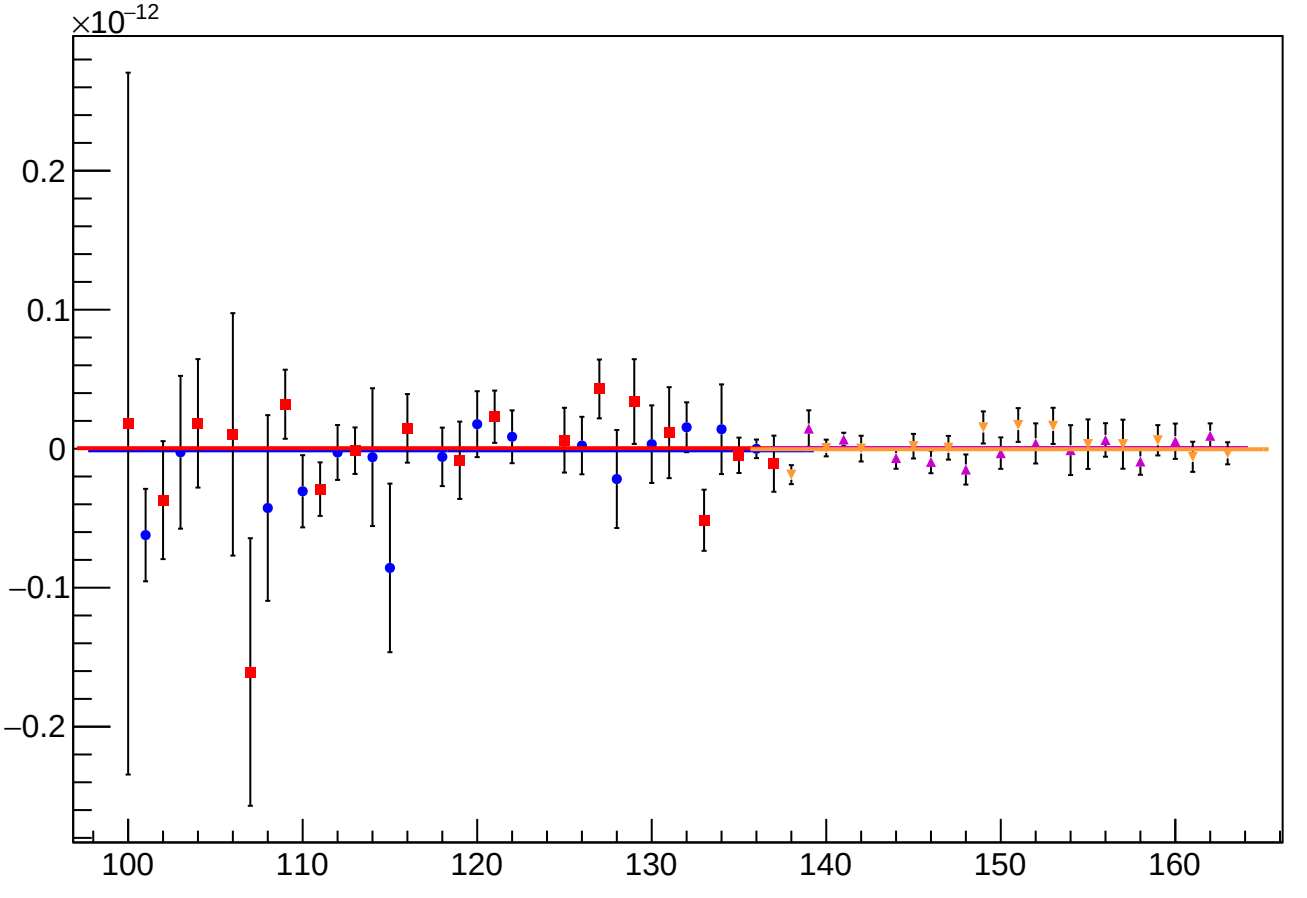
Left In: 0.009+/-0.013 χ^2/NDF:13.8/11

+ sign 0.004+/-0.009 χ^2/NDF: 47.0/28

All: 0.005+/-0.006 χ^2/NDF: 68.7/58

- sign 0.006+/-0.009 χ^2/NDF: 21.7/29


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
160
Right In: 28.411+/-0.009 χ²/NDF: 2245663.3/15
Left Out: 40.250+/-0.009 χ²/NDF:560652.8/12
Right Out: 24.254+/-0.008 χ²/NDF: 2913710.0/17
Left In: 37.263+/-0.009 χ²/NDF:1654766.4/11
+ sign 33.896+/-0.006 χ²/NDF: 3663840.4/28
All: 31.856+/-0.004 χ²/NDF: 9575390.0/58
- sign 30.031+/-0.006 χ²/NDF: 5717499.8/29



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/12

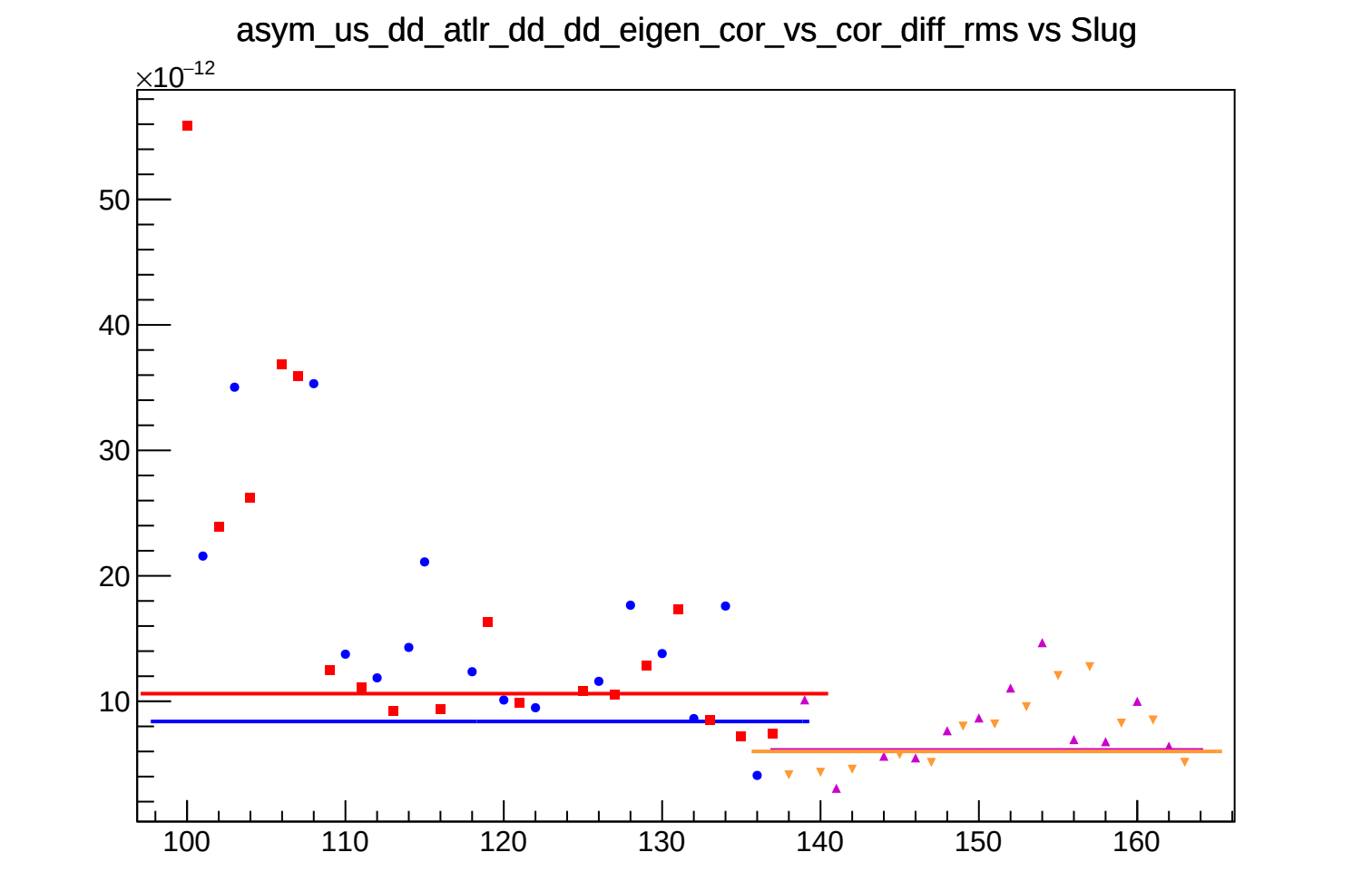
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 23.1/28

All: -0.000+/-0.000 χ^2/NDF: 53.9/58

- sign 0.000+/-0.000 χ^2/NDF: 30.7/29



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1385609.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

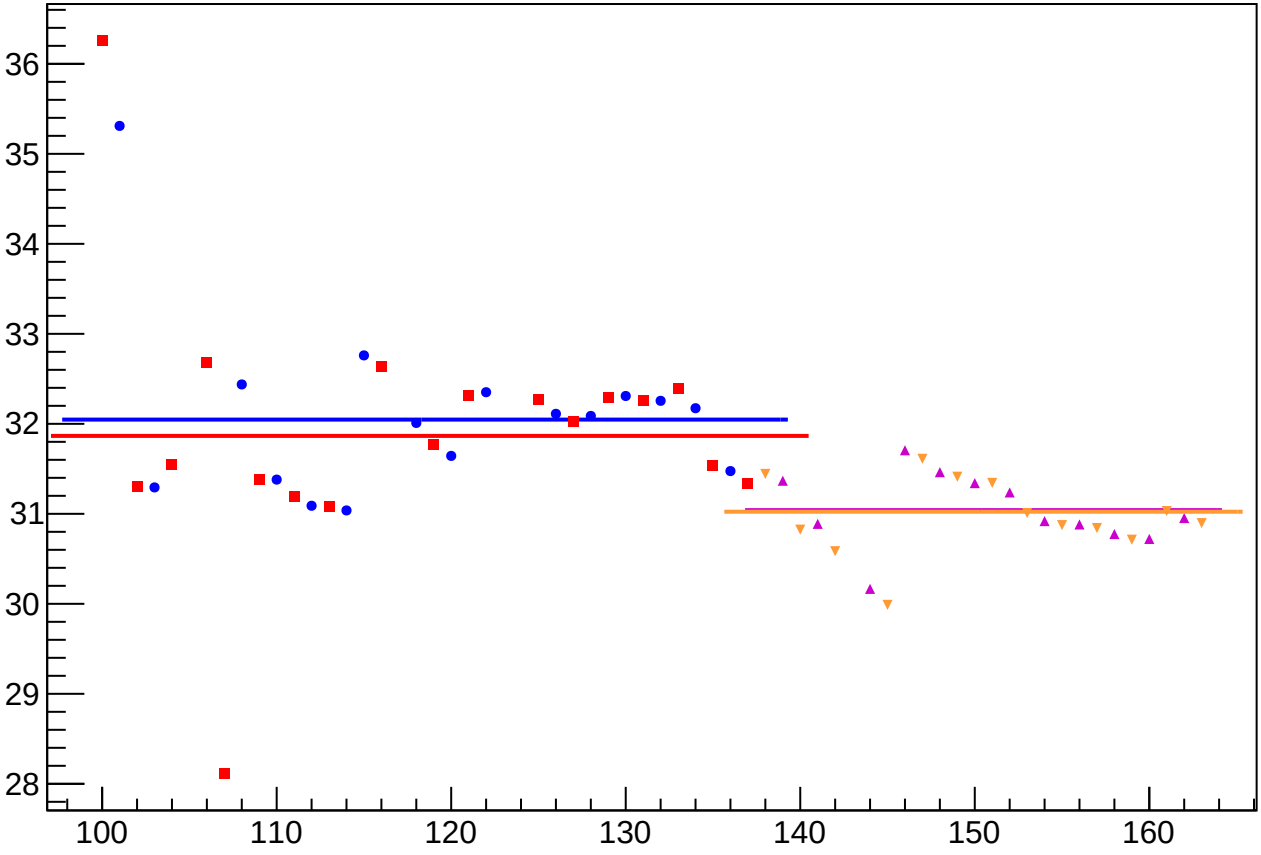
Left In: 0.000+/-0.000 χ^2/NDF:2031904.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 4480238.6/28

All: 0.000+/-0.000 χ^2/NDF: 8815505.8/58

- sign 0.000+/-0.000 χ^2/NDF: 4306985.1/29

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.023+/-0.000 χ^2/NDF:216667269.5/12

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

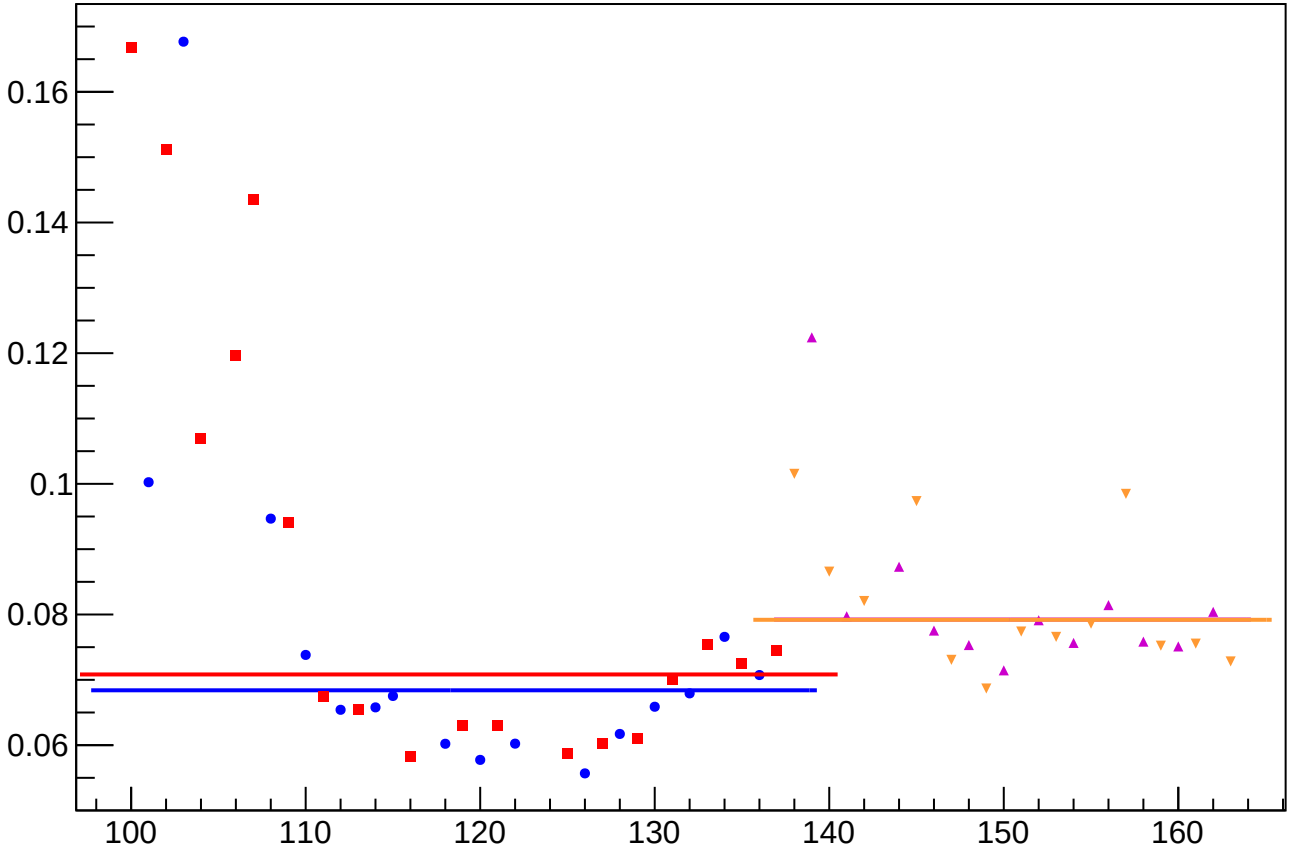
Left In: 31.041+/-0.000 χ^2/NDF:220026277.8/11

+ sign 31.510+/-0.000 χ^2/NDF: 1850078307.0/28

All: 31.465+/-0.000 χ^2/NDF: 3025381975.4/5

- sign 31.419+/-0.000 χ^2/NDF: 1163731165.5/29

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:254591.5/12

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

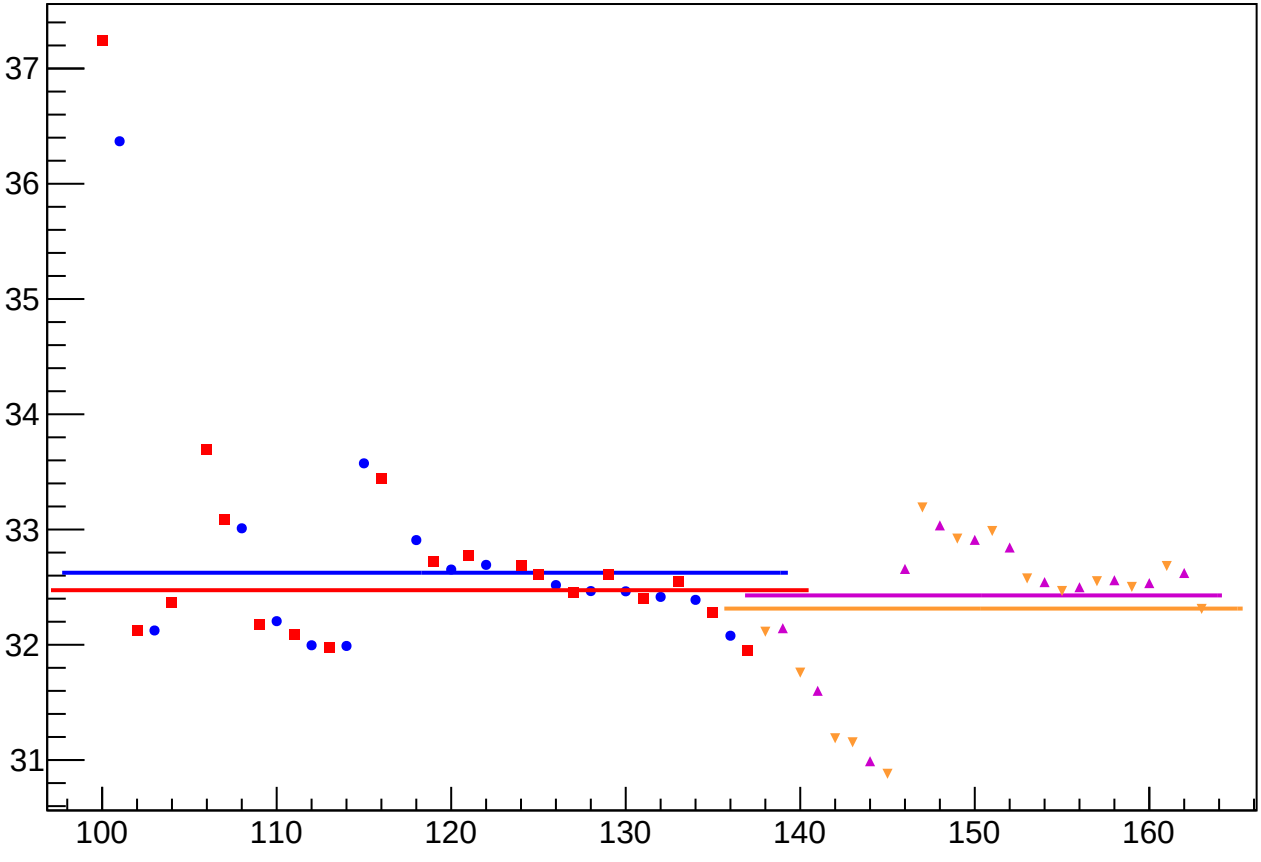
Left In: 0.079+/-0.000 χ^2/NDF:247039.3/11

+ sign 0.074+/-0.000 χ^2/NDF: 1121127.0/28

All: 0.075+/-0.000 χ^2/NDF: 2336255.5/58

- sign 0.075+/-0.000 χ^2/NDF: 1210291.7/29

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773272018.4/13

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

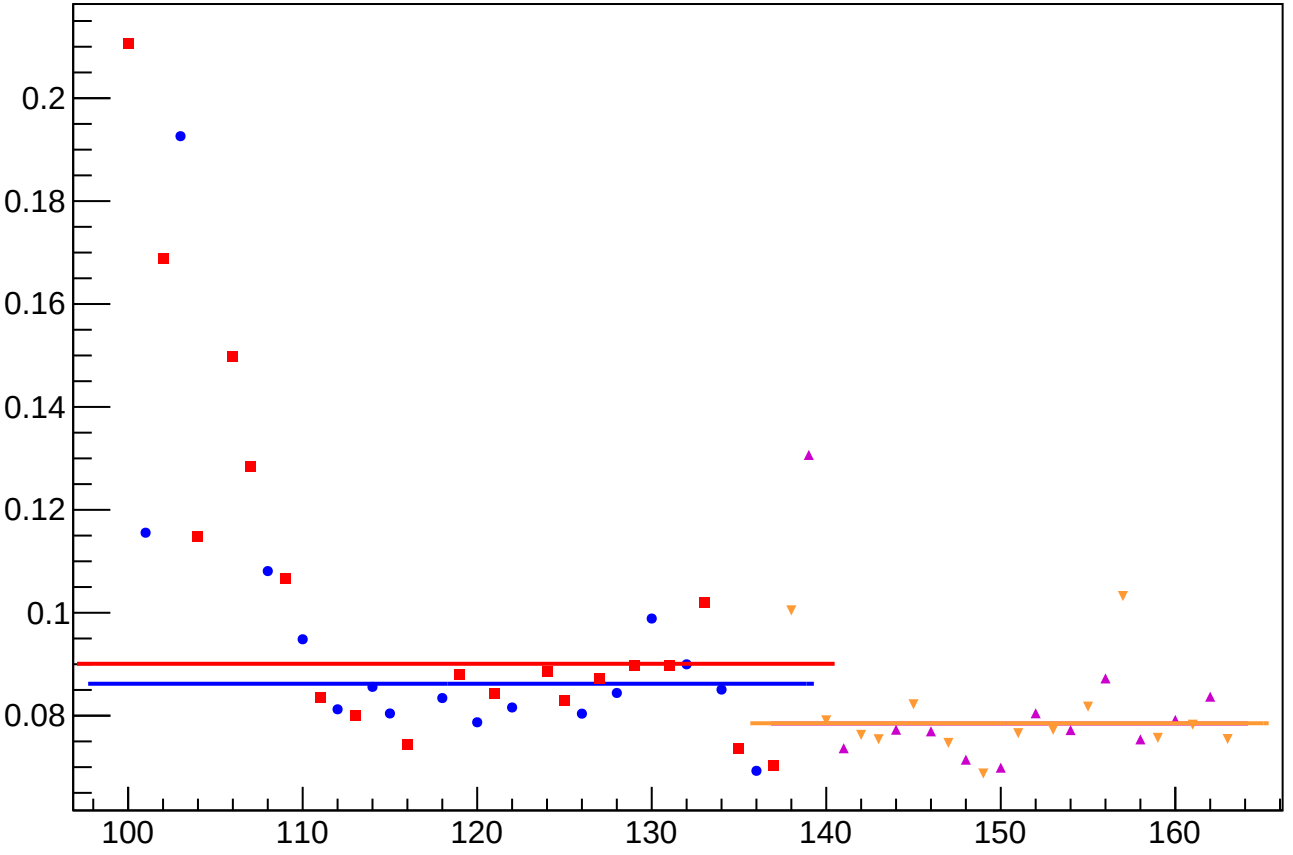
Left In: 32.428+/-0.000 χ^2/NDF:524779254.1/11

+ sign 32.420+/-0.000 χ^2/NDF: 1566212133.2/29

All: 32.432+/-0.000 χ^2/NDF: 2249529556.5/6

- sign 32.444+/-0.000 χ^2/NDF: 682650819.6/30

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:197559.0/13

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

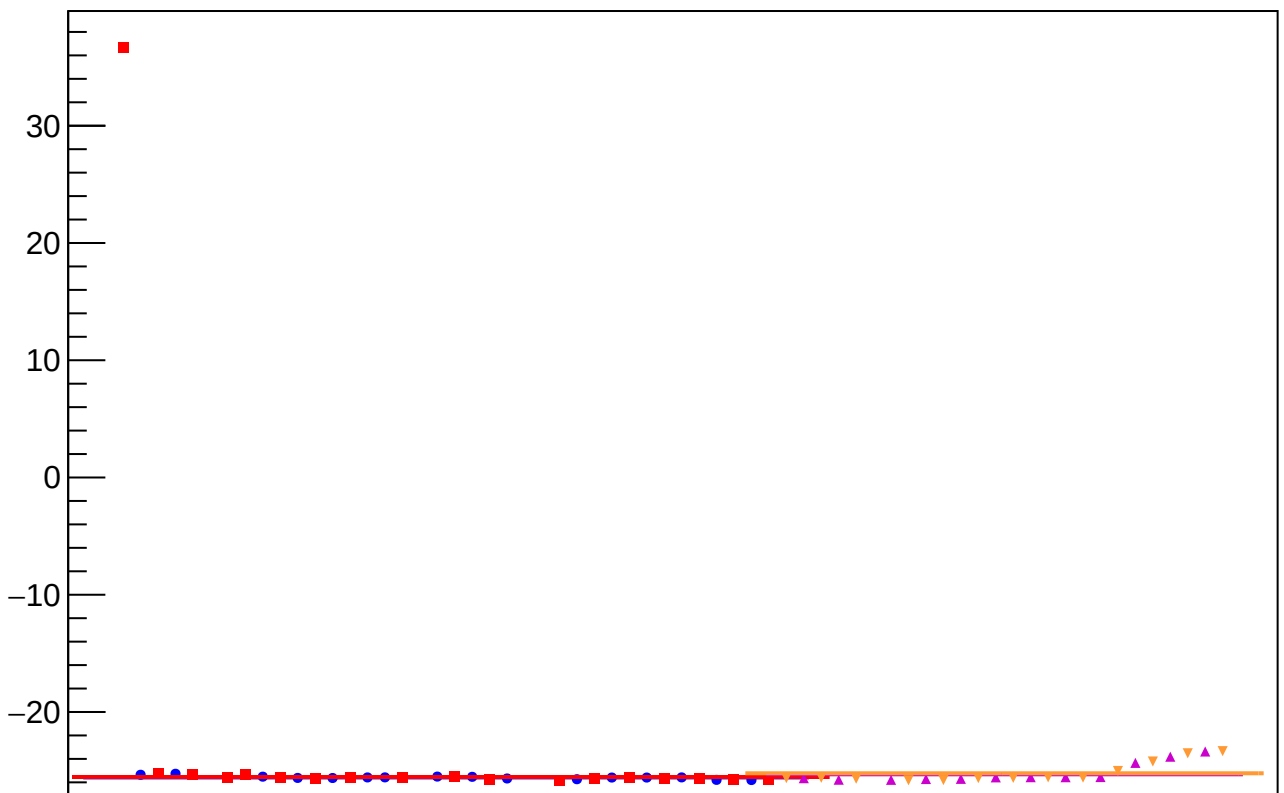
Left In: 0.078+/-0.000 χ^2/NDF:333296.7/11

+ sign 0.081+/-0.000 χ^2/NDF: 861852.2/29

All: 0.082+/-0.000 χ^2/NDF: 1961759.5/60

- sign 0.082+/-0.000 χ^2/NDF: 1095861.1/30

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.227+/-0.000 χ^2/NDF:3362605290.0/12

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

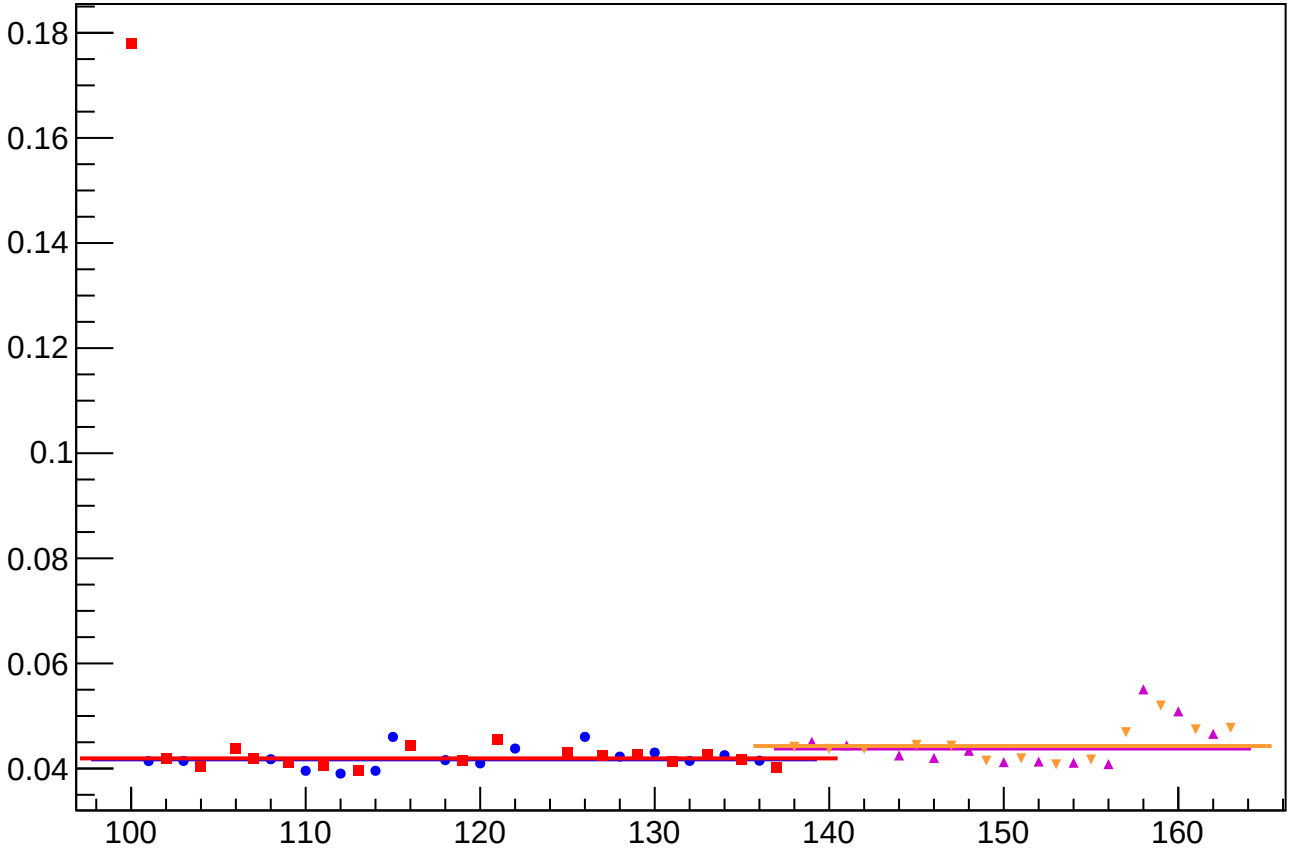
Left In: -25.315+/-0.000 χ^2/NDF:2848873846.6/11

+ sign -25.383+/-0.000 χ^2/NDF: 3744725303.8/28

All: -25.399+/-0.000 χ^2/NDF: 15627218060.3

- sign -25.415+/-0.000 χ^2/NDF: 11877604584.0/29

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:88139.0/12

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

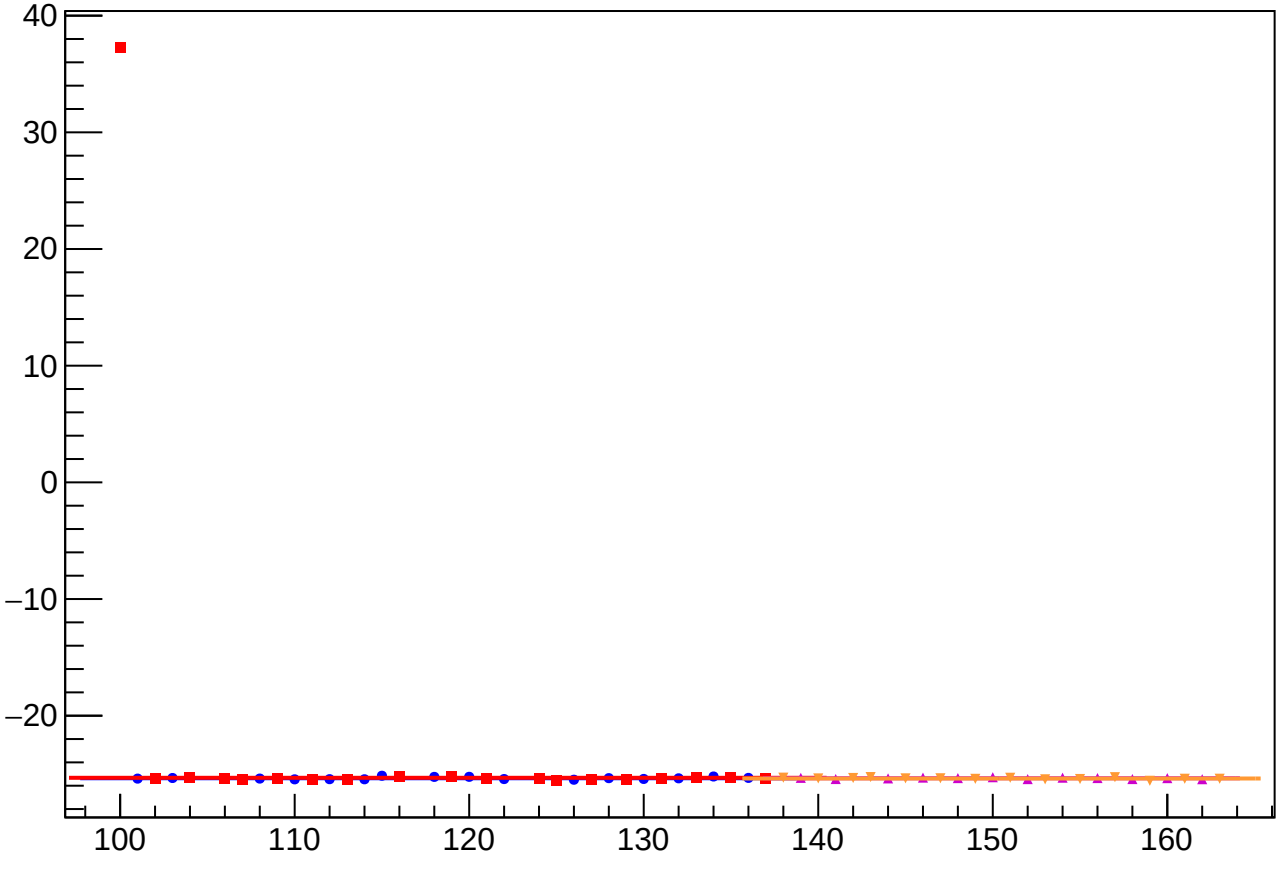
Left In: 0.044+/-0.000 χ^2/NDF:143908.7/11

+ sign 0.043+/-0.000 χ^2/NDF: 138098.8/28

All: 0.043+/-0.000 χ^2/NDF: 398735.8/58

- sign 0.043+/-0.000 χ^2/NDF: 260357.2/29

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.382+/-0.000 χ^2/NDF:22309490.4/13

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

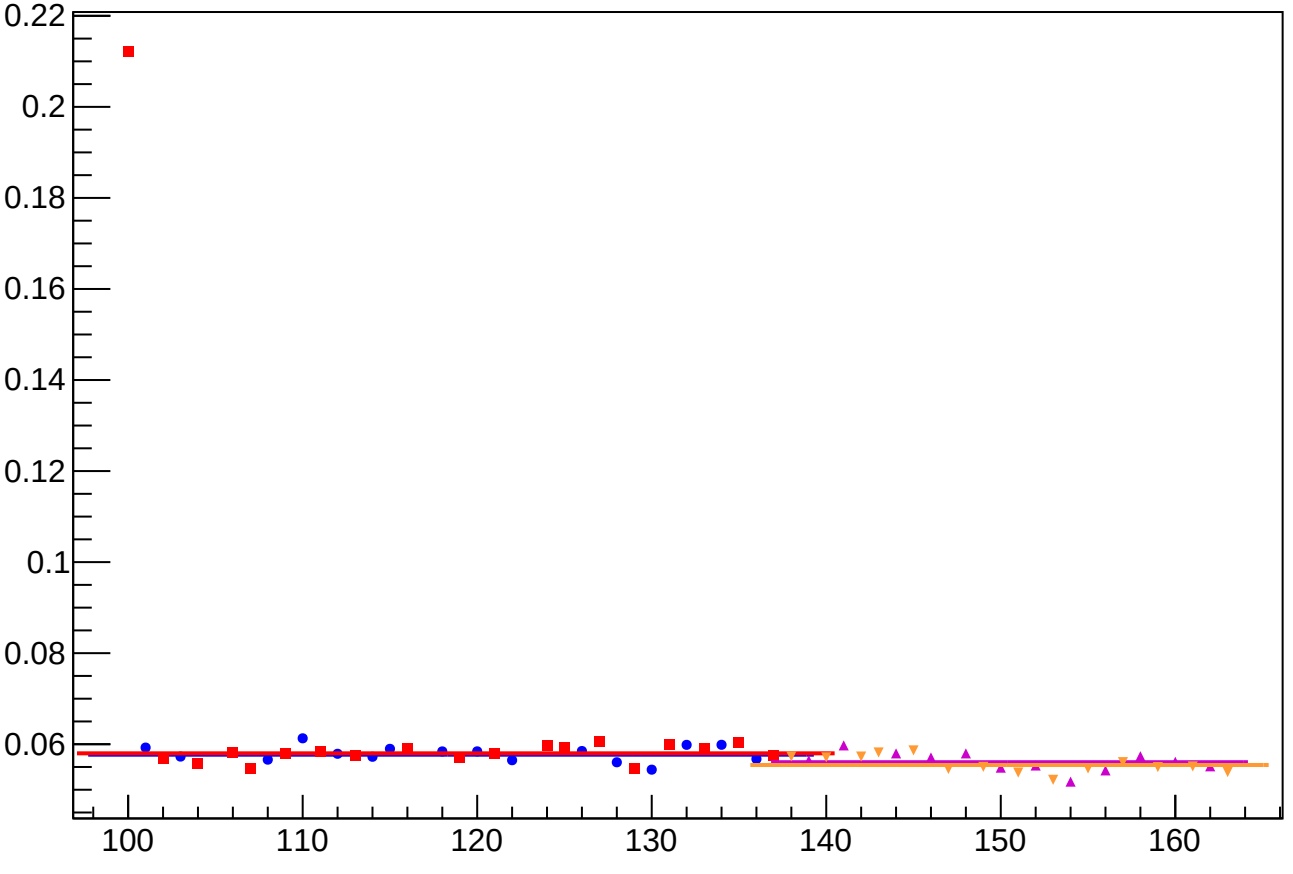
Left In: -25.361+/-0.000 χ^2/NDF:9748586.5/11

\+ sign -25.374+/-0.000 χ^2/NDF: 36206680.1/29

All: -25.360+/-0.000 χ^2/NDF: 6365017434.4/

\- sign -25.345+/-0.000 χ^2/NDF: 6326561301.8/30

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:22434.9/13

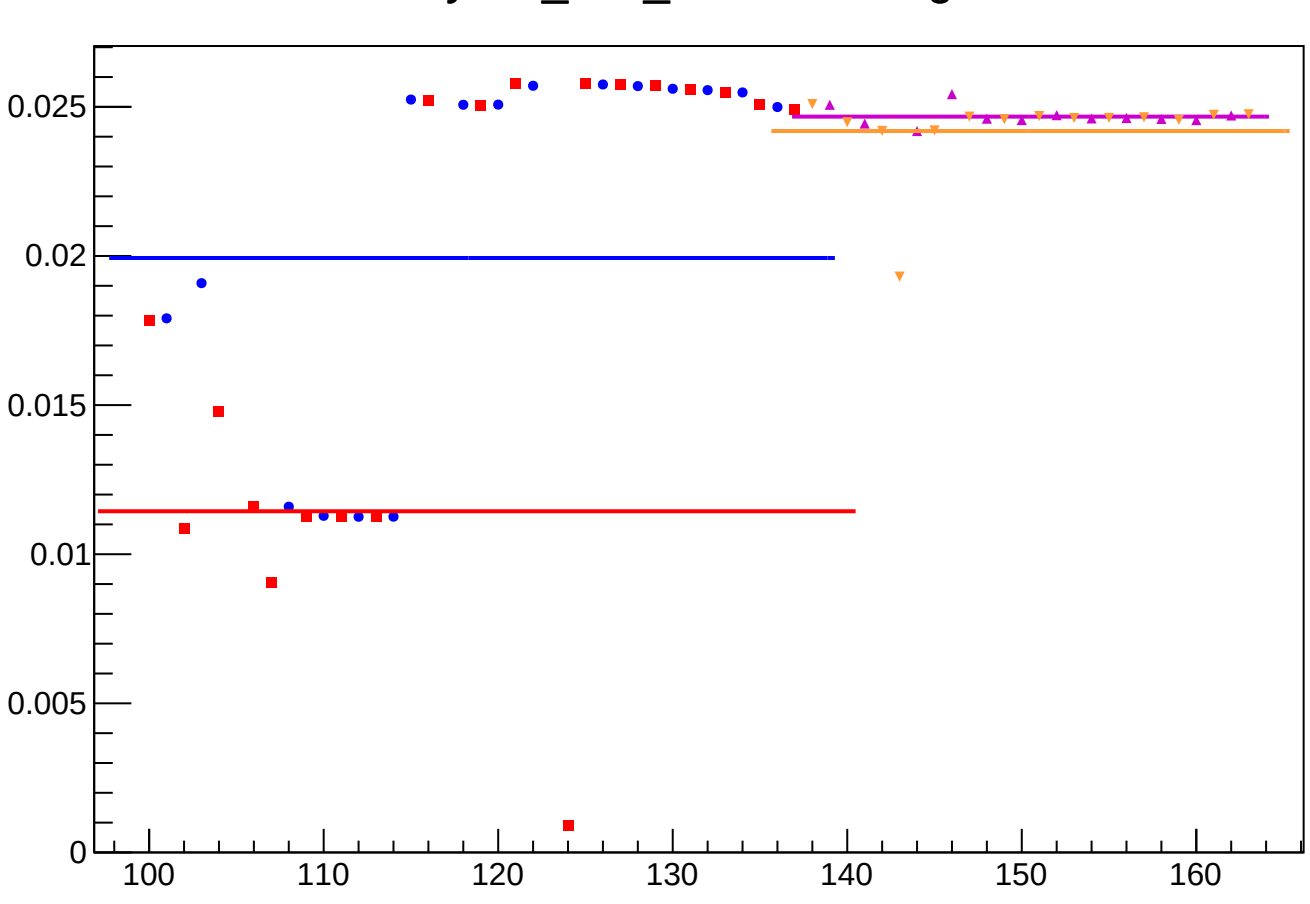
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26643.8/11

+ sign 0.056+/-0.000 χ^2/NDF: 47673.3/29

All: 0.057+/-0.000 χ^2/NDF: 174395.7/60

- sign 0.057+/-0.000 χ^2/NDF: 125060.2/30



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4722971639.8/13

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

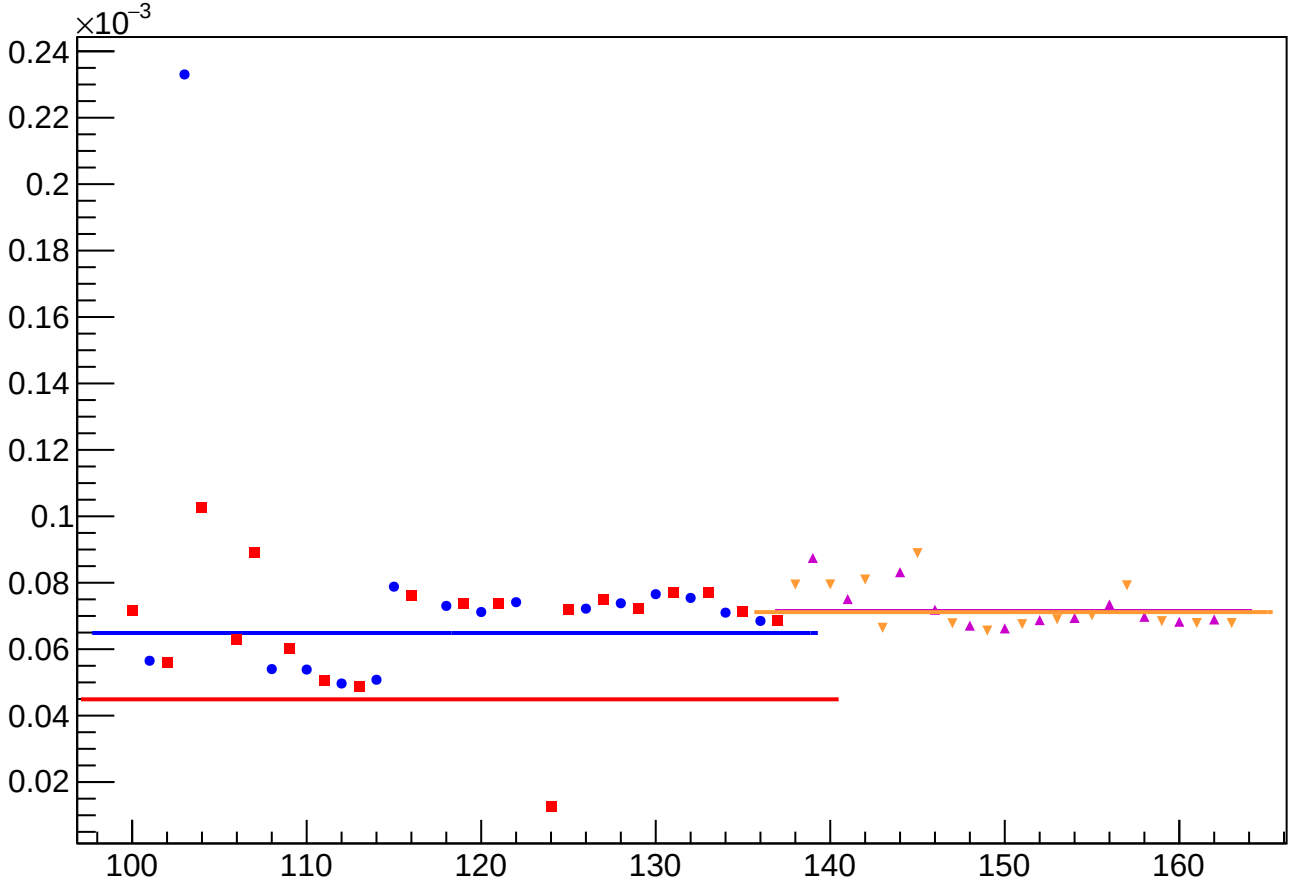
Left In: 0.025+/-0.000 χ^2/NDF:158904662.7/11

+ sign 0.022+/-0.000 χ^2/NDF: 83525115455.7/29

All: 0.020+/-0.000 χ^2/NDF: 585097559480.0

- sign 0.017+/-0.000 χ^2/NDF: 447734755768.2/30

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:165518.6/13

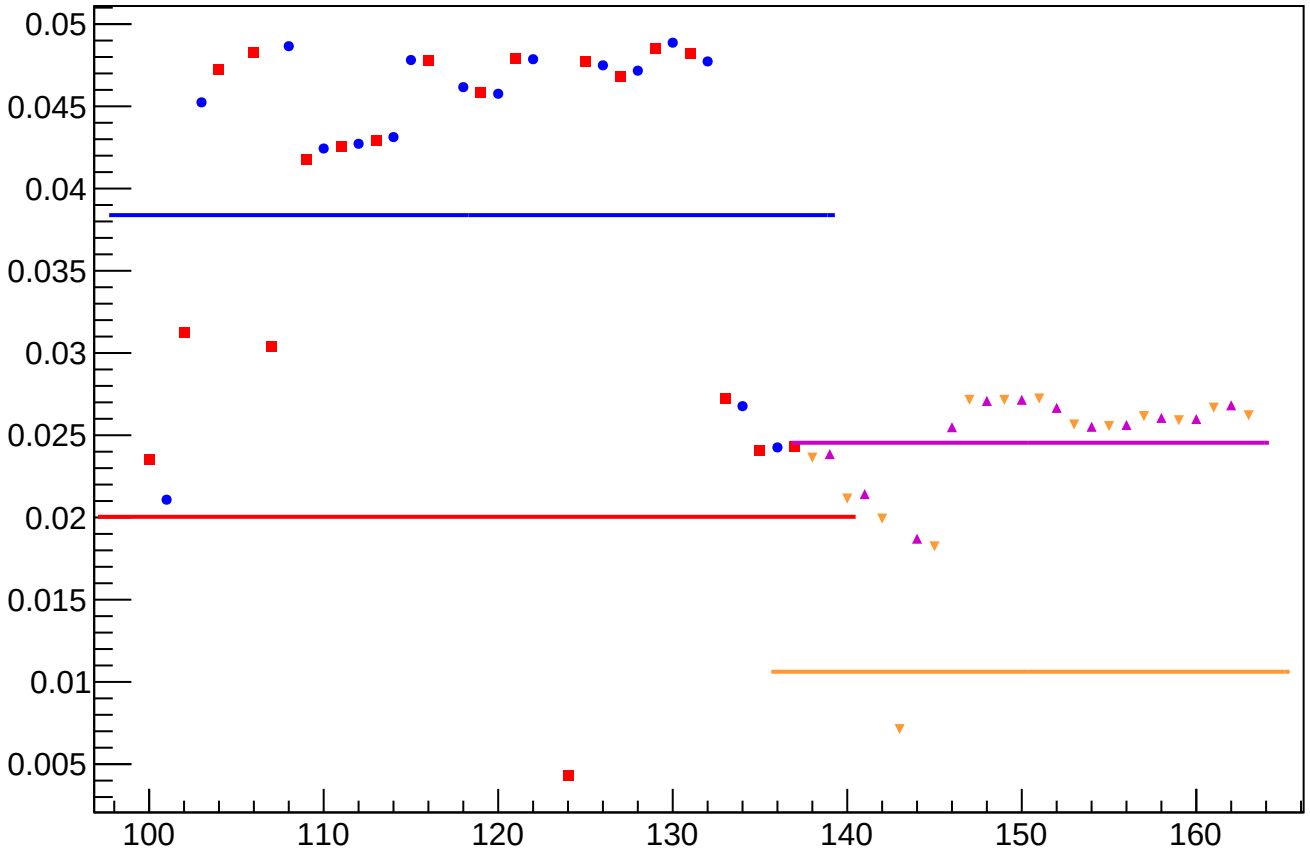
Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:122609.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 1053743.1/29

All: 0.000+/-0.000 χ^2/NDF: 7089277.3/60

- sign 0.000+/-0.000 χ^2/NDF: 5456698.7/30



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:27404677876.1/13

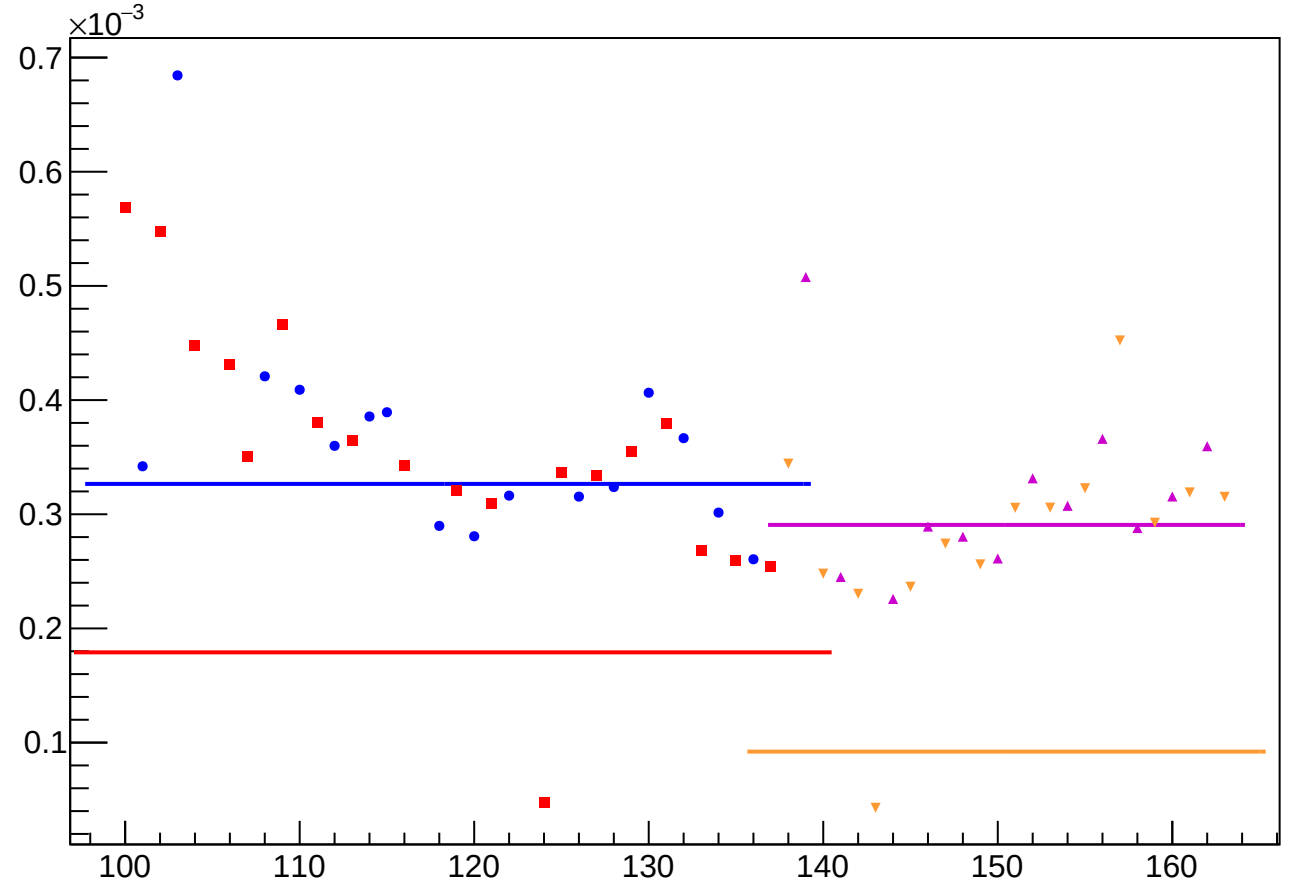
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:935809579.3/11

+ sign 0.013+/-0.000 χ^2/NDF: 75656730201.4/29

All: 0.016+/-0.000 χ^2/NDF: 132869535495.4

- sign 0.022+/-0.000 χ^2/NDF: 44281630453.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10895298.7/13

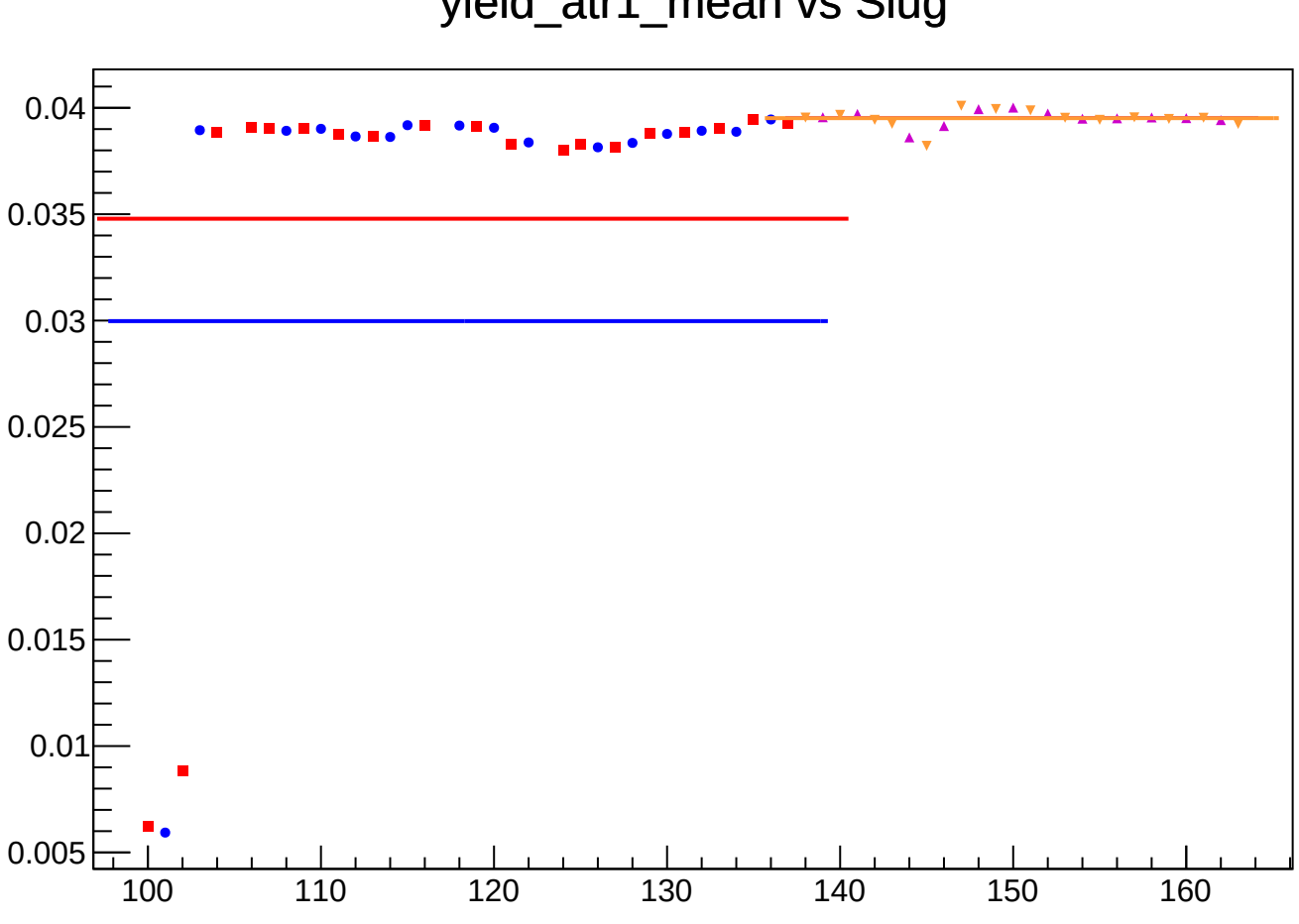
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:656356.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 17348797.7/29

All: 0.000+/-0.000 χ^2/NDF: 29594987.5/60

- sign 0.000+/-0.000 χ^2/NDF: 7742734.2/30



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:97492953.3/13

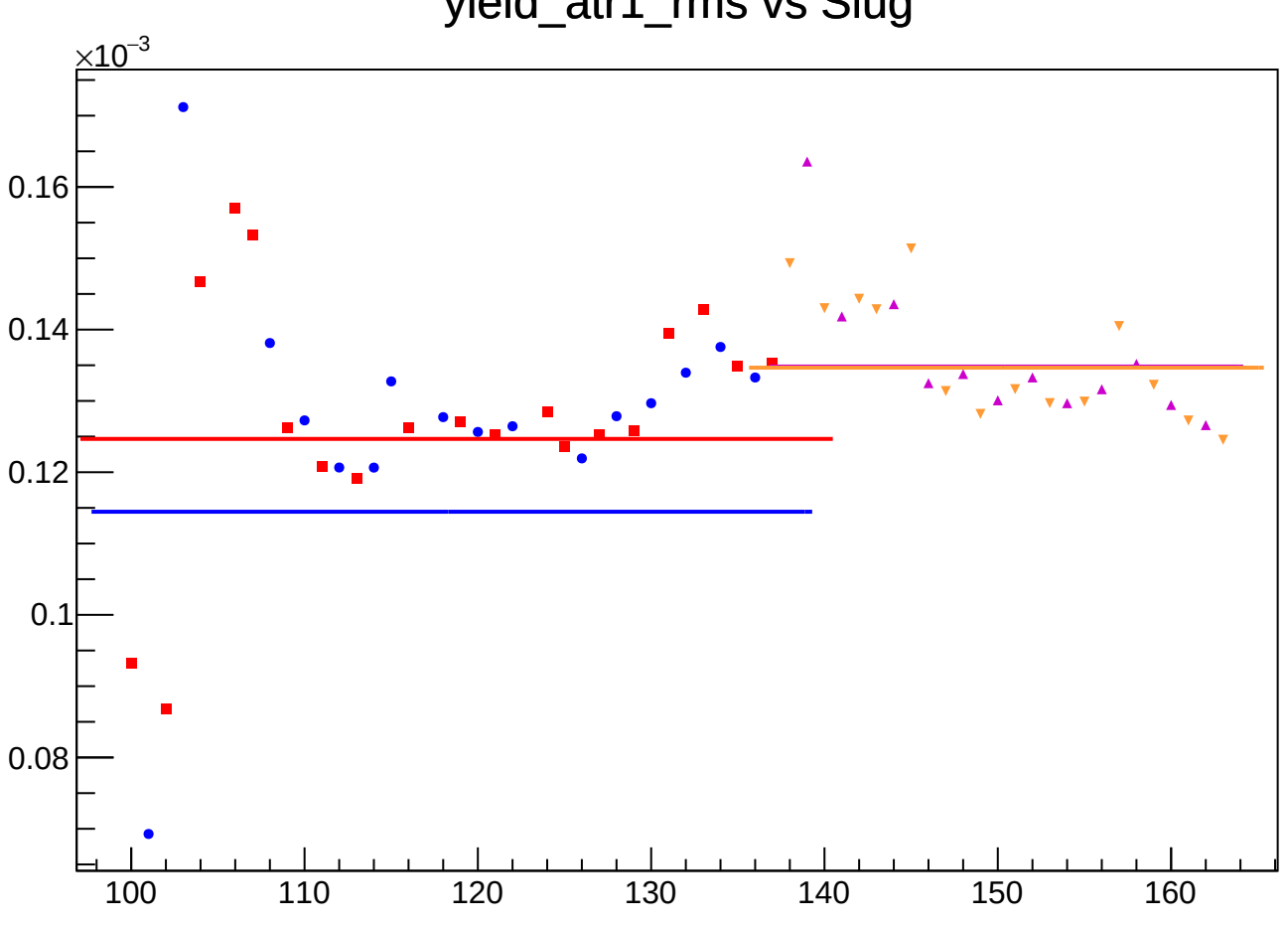
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:66394737.2/11

+ sign 0.035+/-0.000 χ^2/NDF: 133356054036.6/29

All: 0.036+/-0.000 χ^2/NDF: 188931281706.3

- sign 0.037+/-0.000 χ^2/NDF: 52866696056.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:78239.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

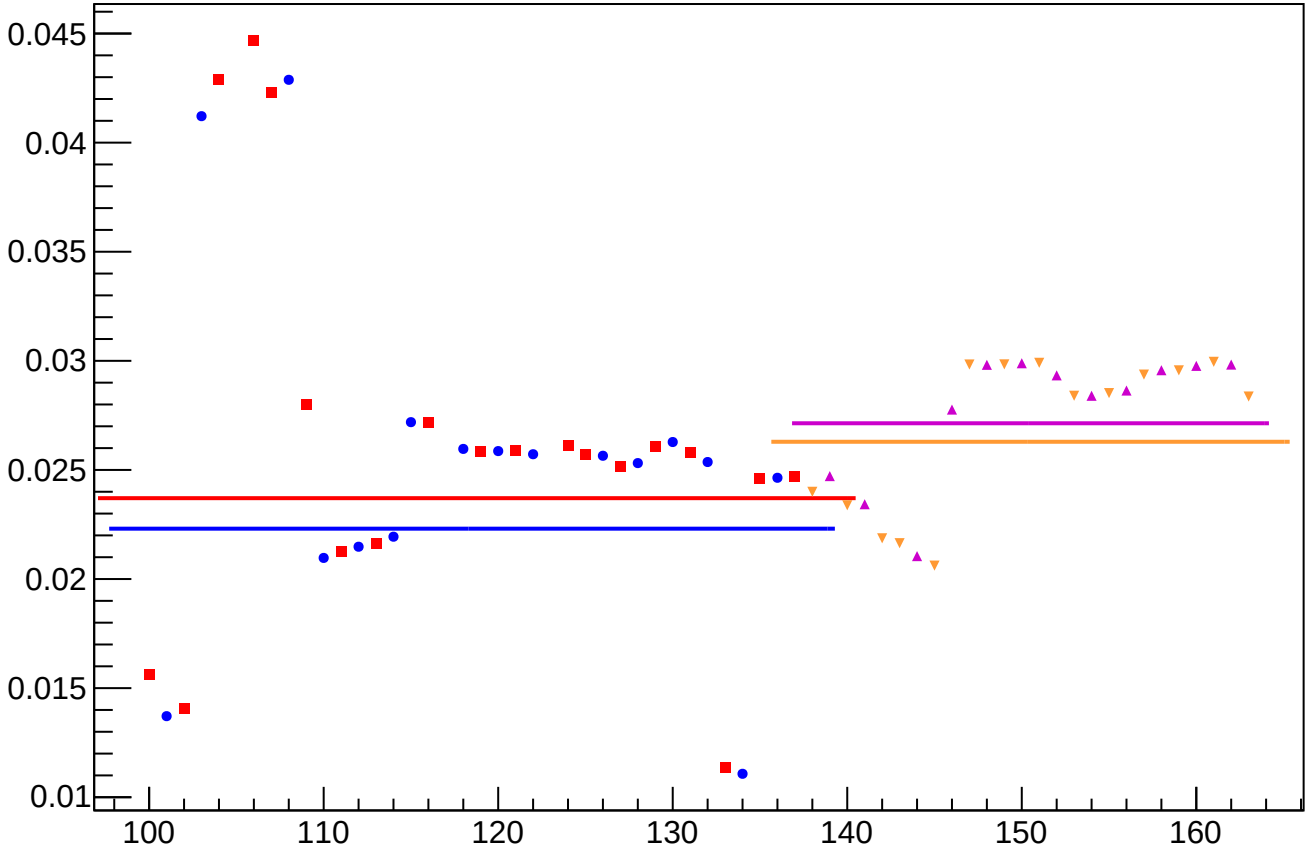
Left In: 0.000+/-0.000 χ^2/NDF:77886.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 1155467.2/29

All: 0.000+/-0.000 χ^2/NDF: 1569788.4/60

- sign 0.000+/-0.000 χ^2/NDF: 389131.9/30

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:1772968190.7/13

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

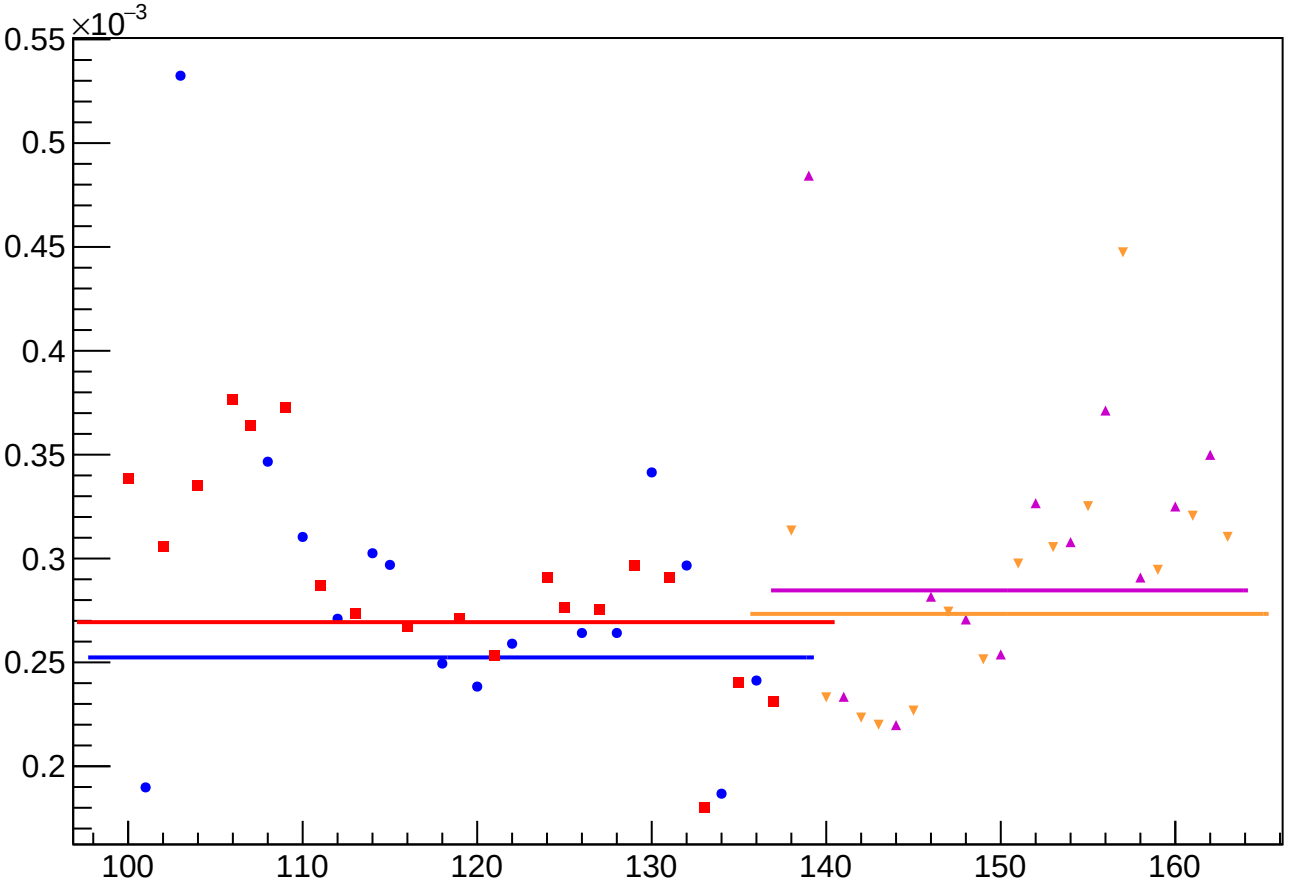
Left In: 0.027+/-0.000 χ^2/NDF:1237588790.4/11

+ sign 0.025+/-0.000 χ^2/NDF: 7671433967.3/29

All: 0.025+/-0.000 χ^2/NDF: 15196024685.4/6

- sign 0.026+/-0.000 χ^2/NDF: 7406652667.3/30

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:579977.0/13

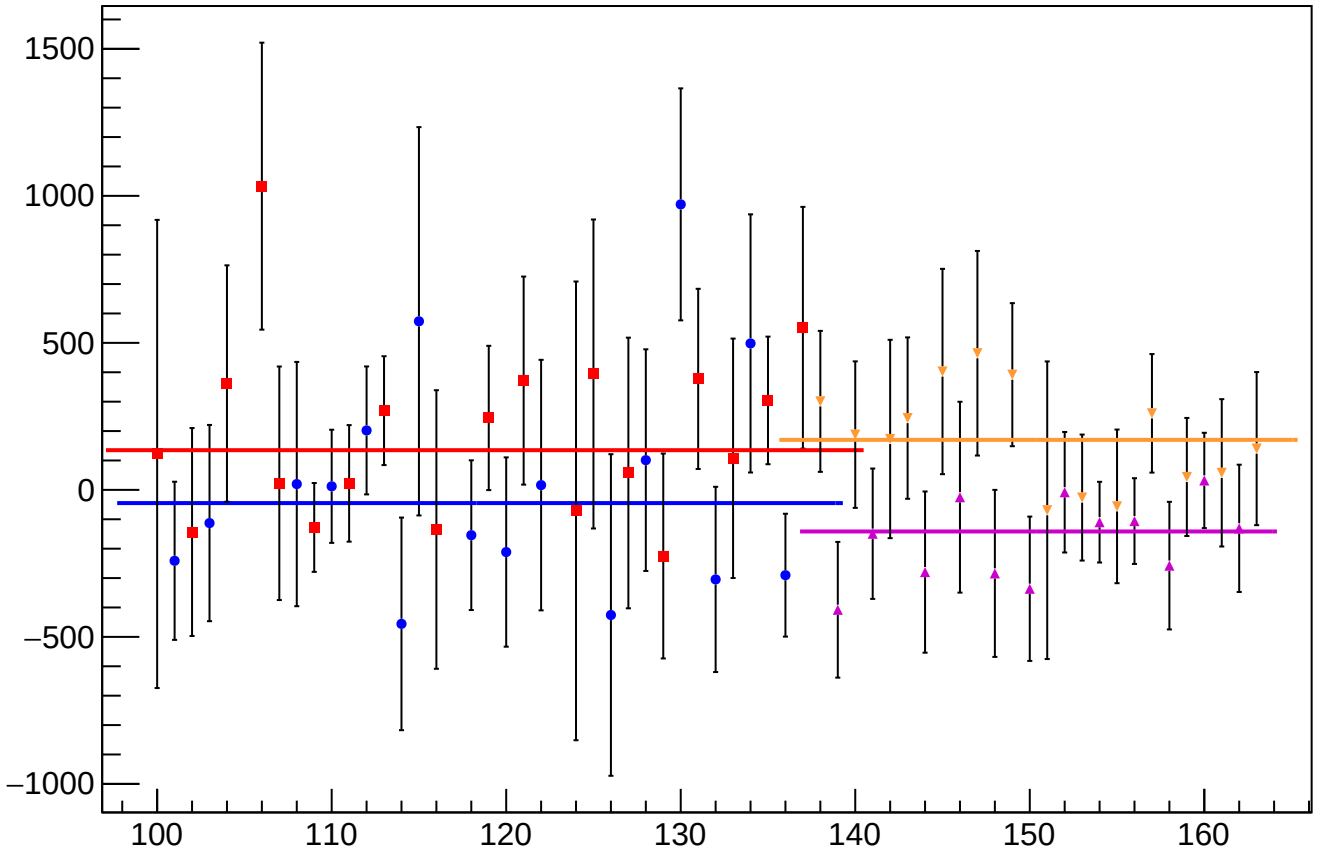
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:712929.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 1336921.2/29

All: 0.000+/-0.000 χ^2/NDF: 2559077.0/60

- sign 0.000+/-0.000 χ^2/NDF: 1182564.9/30



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 170.117+/-69.116 χ^2/NDF:5.0/13

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

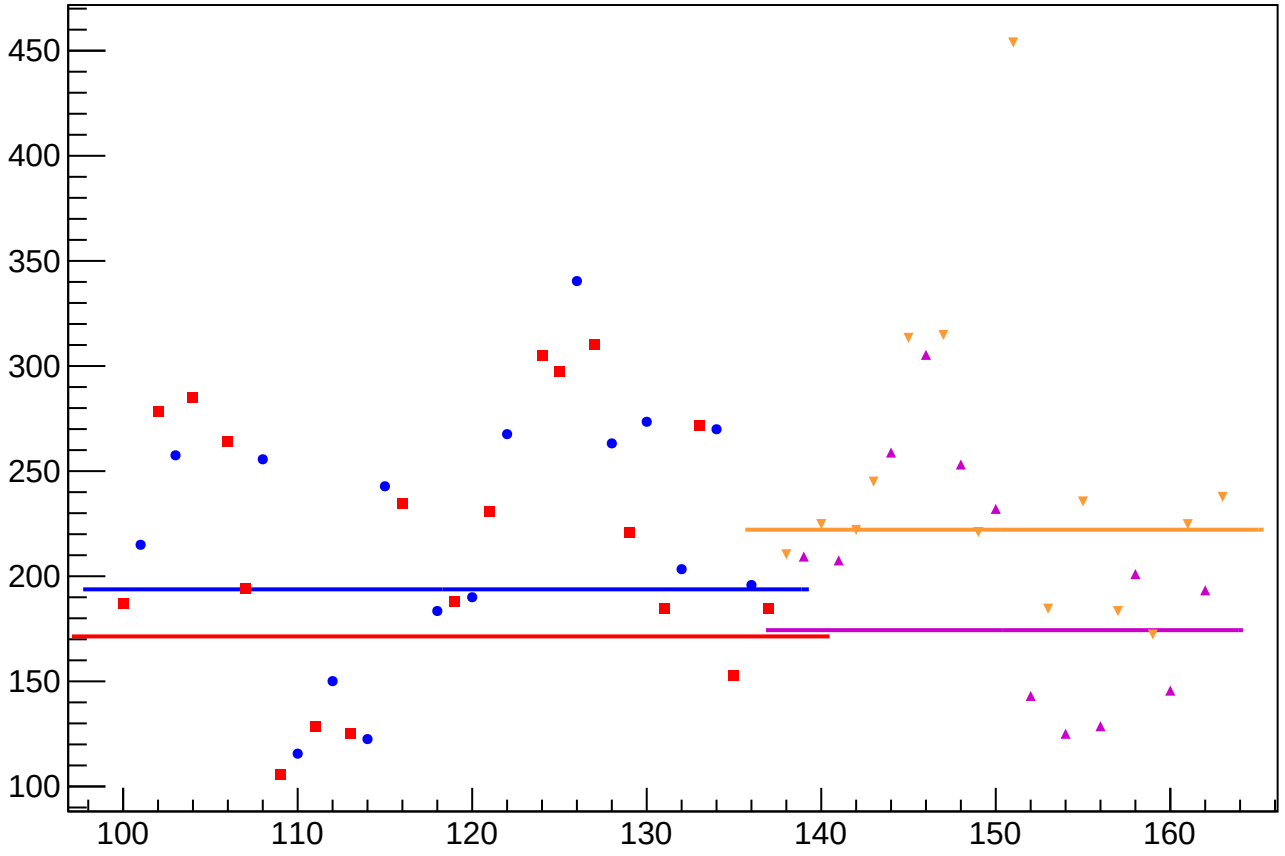
Left In: -141.493+/-58.173 χ^2/NDF:4.6/11

+ sign 73.056+/-51.193 χ^2/NDF: 24.8/29

All: 17.030+/-33.465 χ^2/NDF: 53.9/60

- sign -24.776+/-44.221 χ^2/NDF: 27.0/30

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: 222.148+/-0.049 χ^2/NDF:988045.2/13

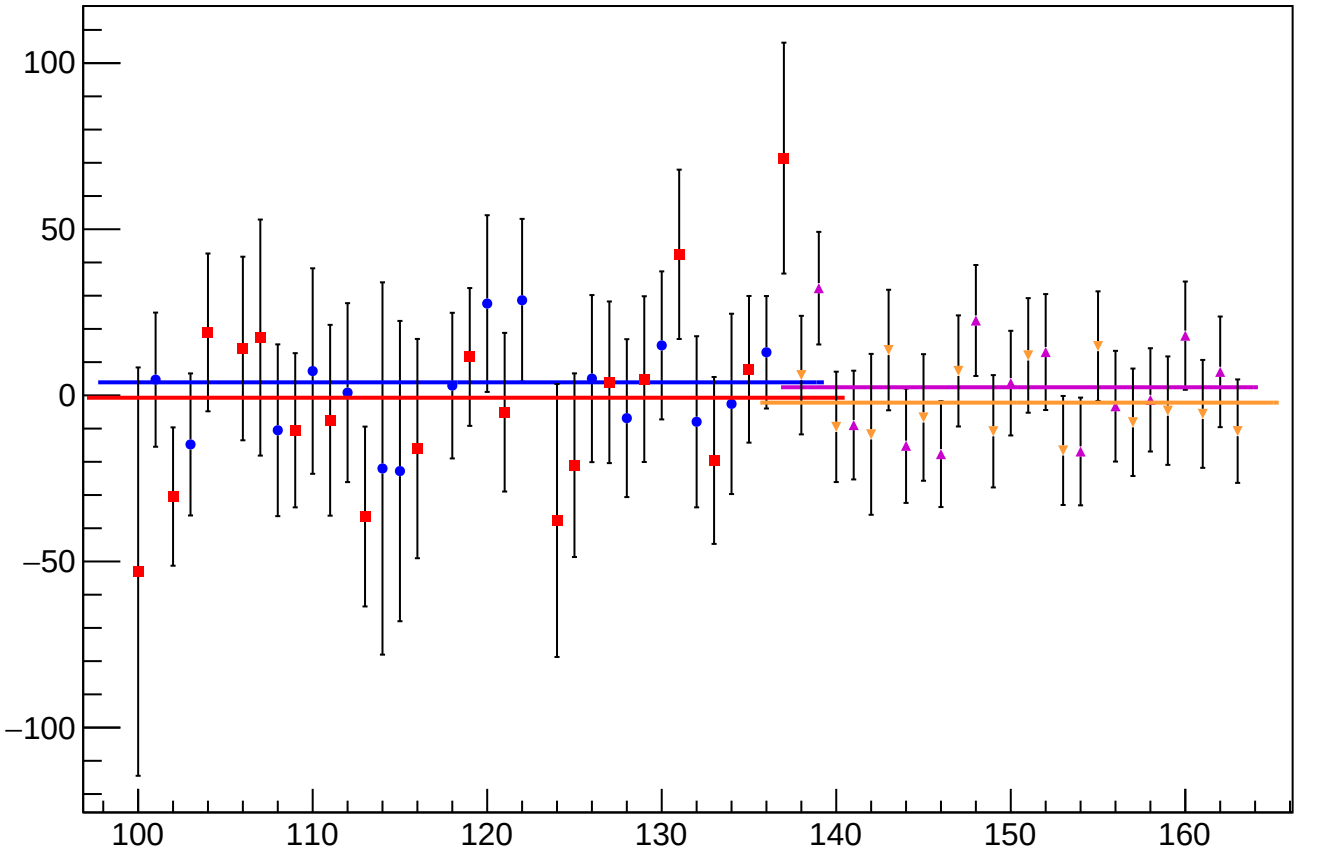
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.360+/-0.041 χ^2/NDF:1480177.3/11

+ sign 209.338+/-0.036 χ^2/NDF: 2188356.0/29

All: 188.587+/-0.024 χ^2/NDF: 5902655.6/60

- sign 173.103+/-0.031 χ^2/NDF: 3140468.9/30



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.189+/-4.584 χ^2/NDF:5.0/13

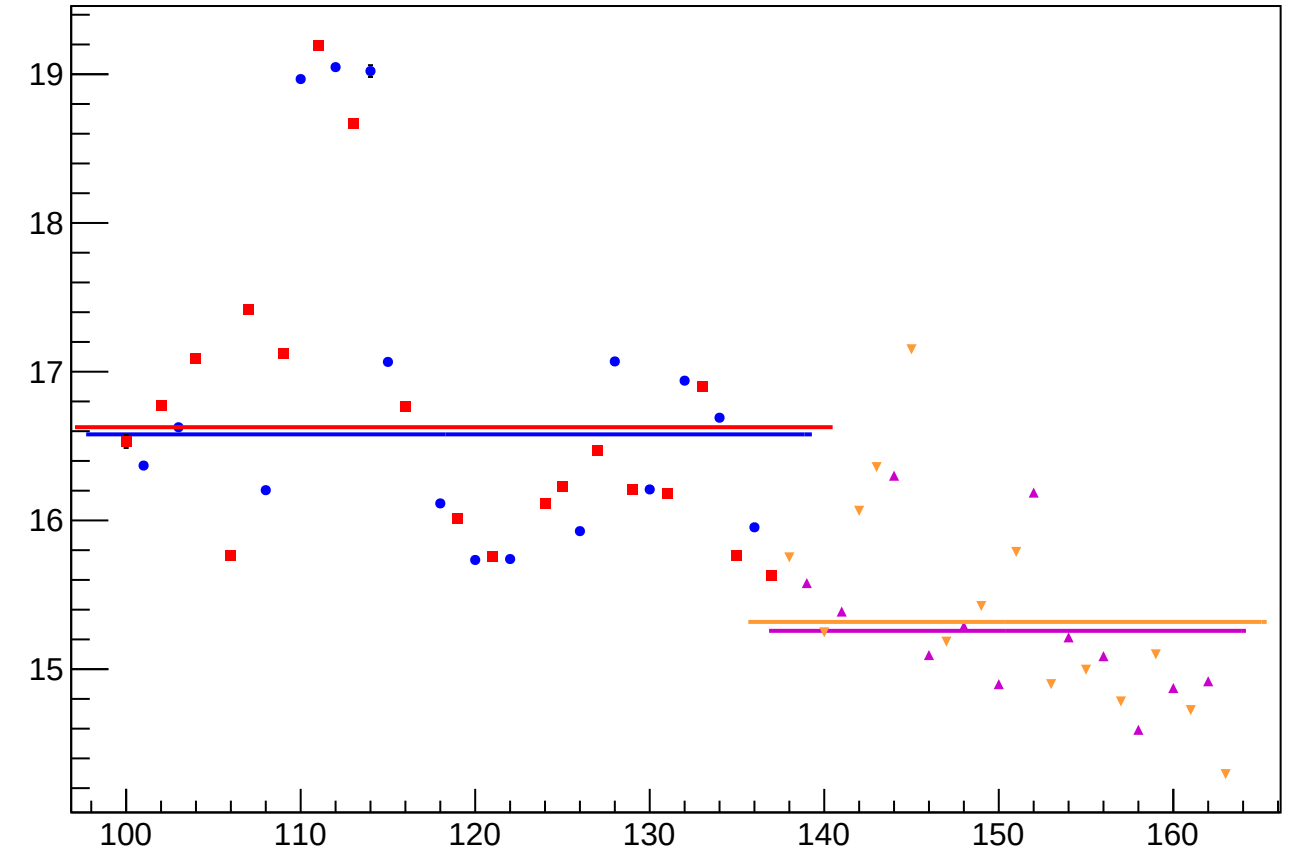
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 2.440+/-4.748 χ^2/NDF:10.6/11

+ sign -0.016+/-3.680 χ^2/NDF: 10.1/29

All: 0.604+/-2.624 χ^2/NDF: 36.9/60

- sign 1.244+/-3.742 χ^2/NDF: 26.7/30



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.318+/-0.003 χ^2/NDF:45828.0/13

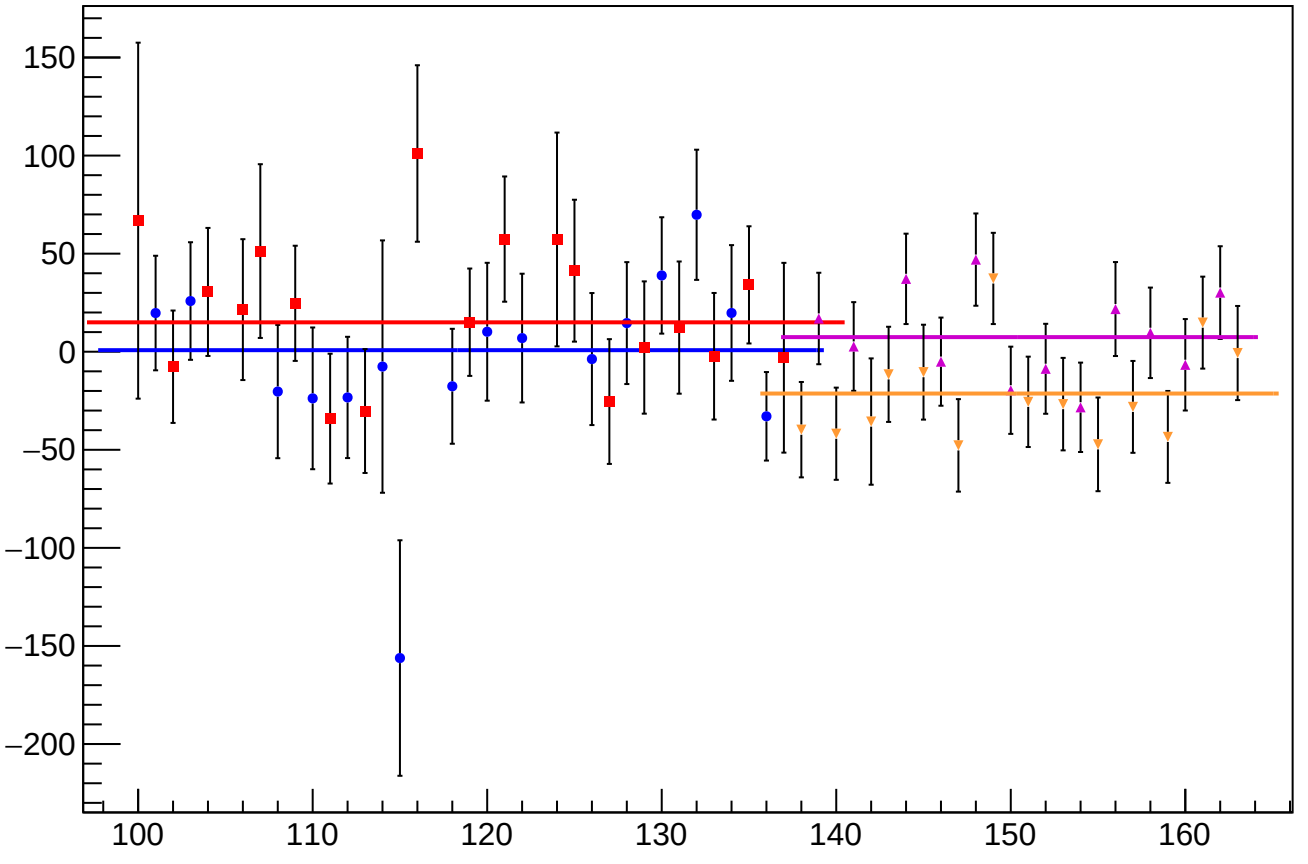
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.258+/-0.003 χ^2/NDF:20953.6/11

\+ sign 15.766+/-0.003 χ^2/NDF: 144203.7/29

All: 15.771+/-0.002 χ^2/NDF: 271669.8/60

\- sign 15.777+/-0.003 χ^2/NDF: 127457.7/30



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -21.318+/-6.434 χ^2/NDF:14.9/13

Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

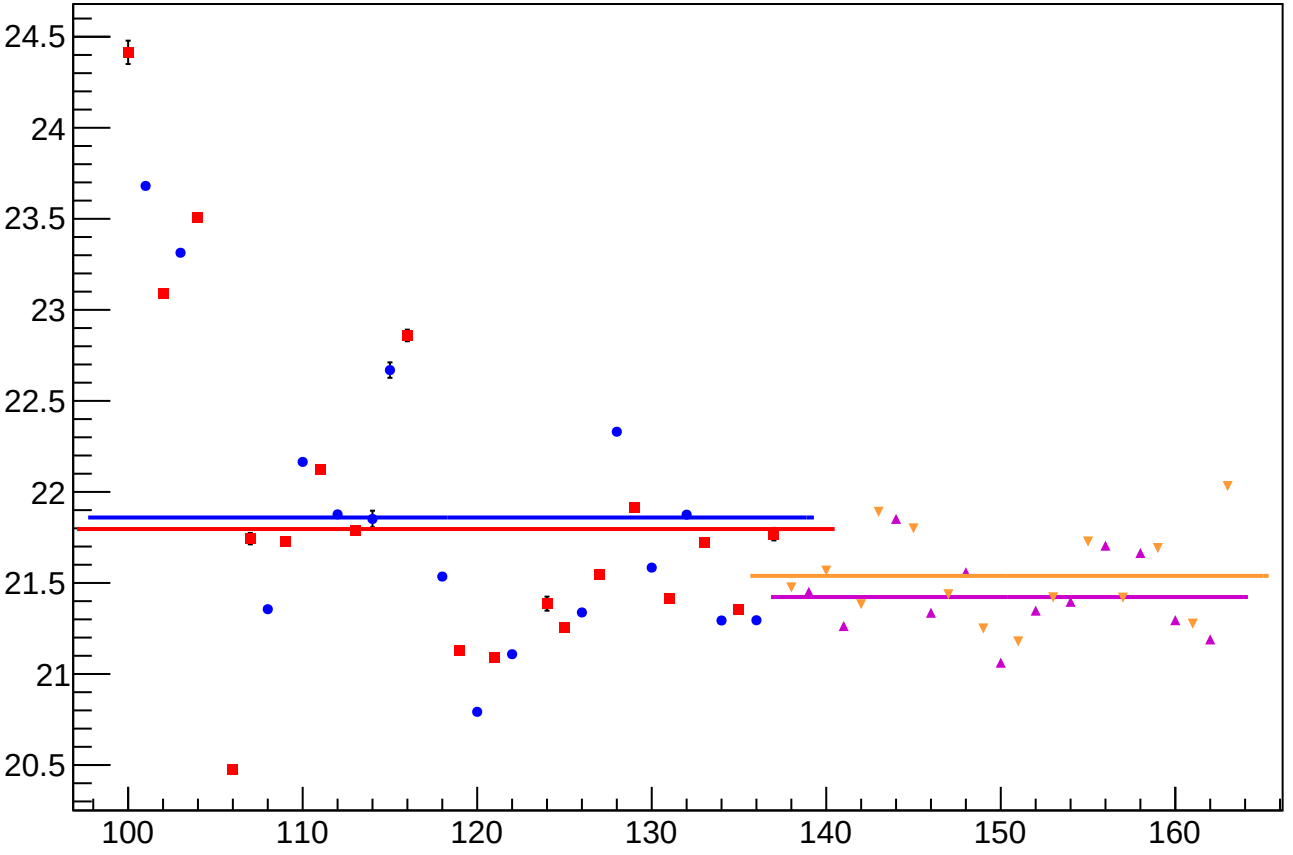
Left In: 7.448+/-6.656 χ^2/NDF:11.1/11

+ sign -12.798+/-5.044 χ^2/NDF: 38.1/29

All: -1.263+/-3.588 χ^2/NDF: 75.7/60

- sign 10.551+/-5.104 χ^2/NDF: 27.0/30

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: 21.539+/-0.005 χ^2/NDF:2957.9/13

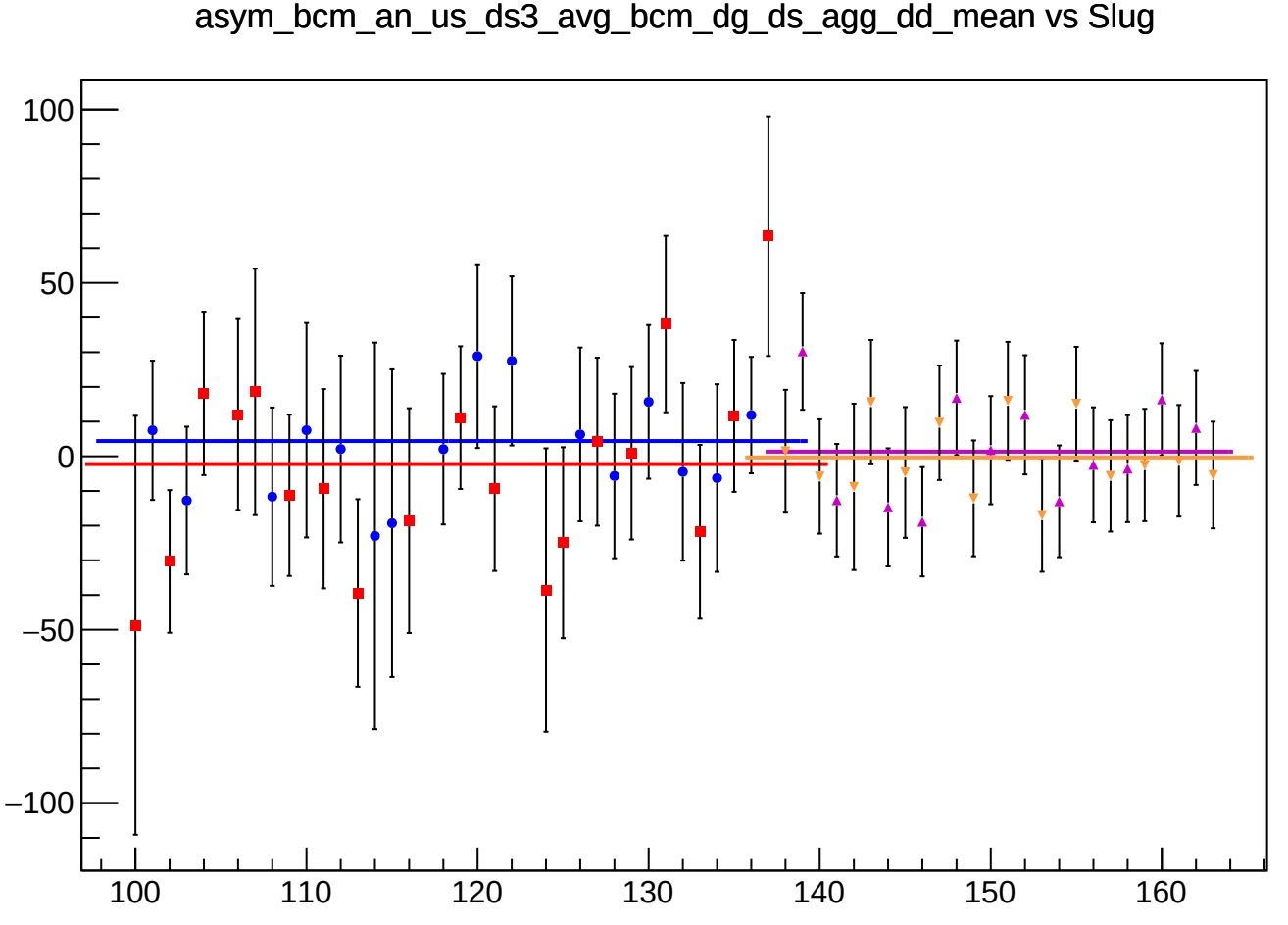
Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.423+/-0.005 χ^2/NDF:2193.6/11

+ sign 21.662+/-0.004 χ^2/NDF: 24340.5/29

All: 21.620+/-0.003 χ^2/NDF: 48276.4/60

- sign 21.577+/-0.004 χ^2/NDF: 23649.1/30



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -0.335+/-4.539 χ^2/NDF:5.1/13

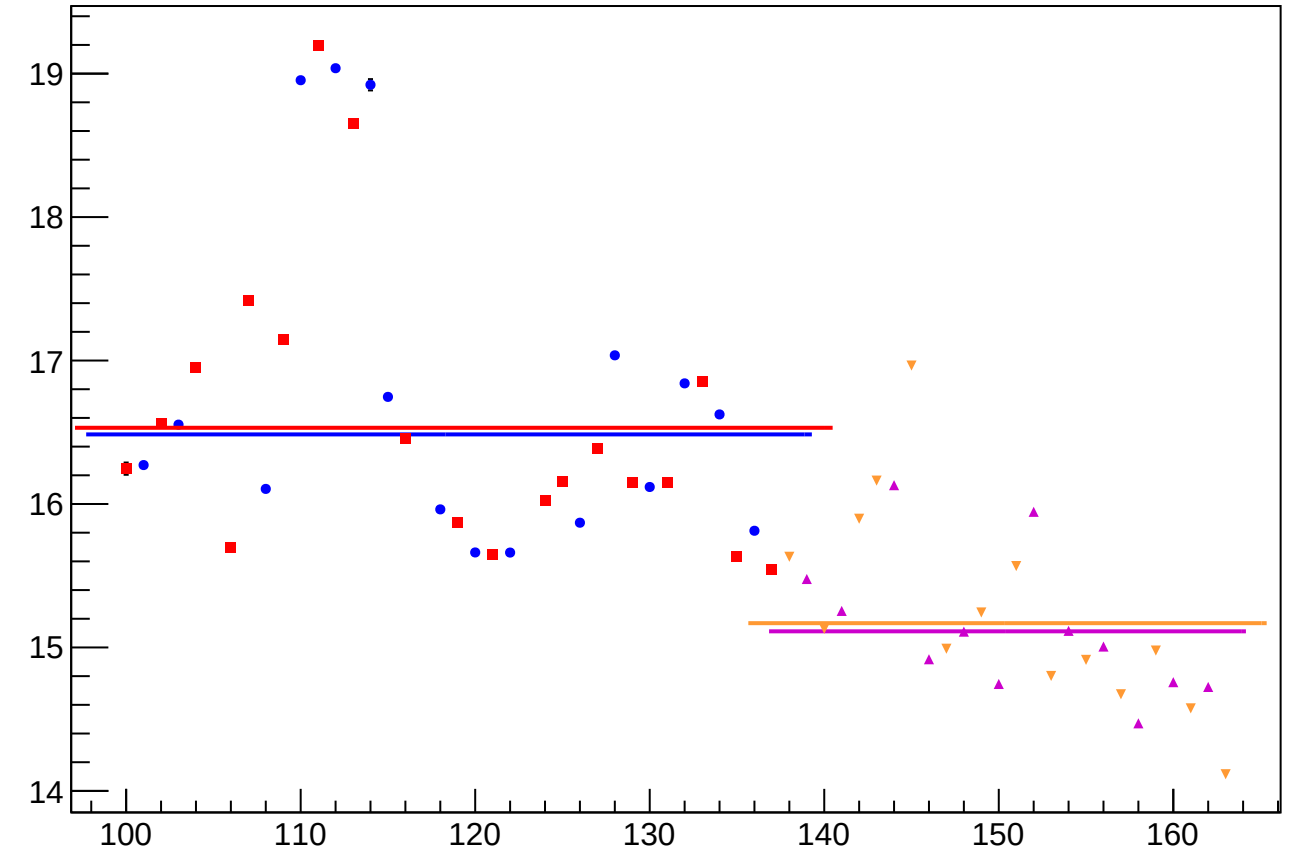
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 1.335+/-4.703 χ^2/NDF:9.5/11

+ sign 1.341+/-3.650 χ^2/NDF: 9.7/29

All: 0.674+/-2.602 χ^2/NDF: 34.9/60

- sign -0.015+/-3.711 χ^2/NDF: 25.1/30



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.169+/-0.003 χ^2/NDF:44705.7/13

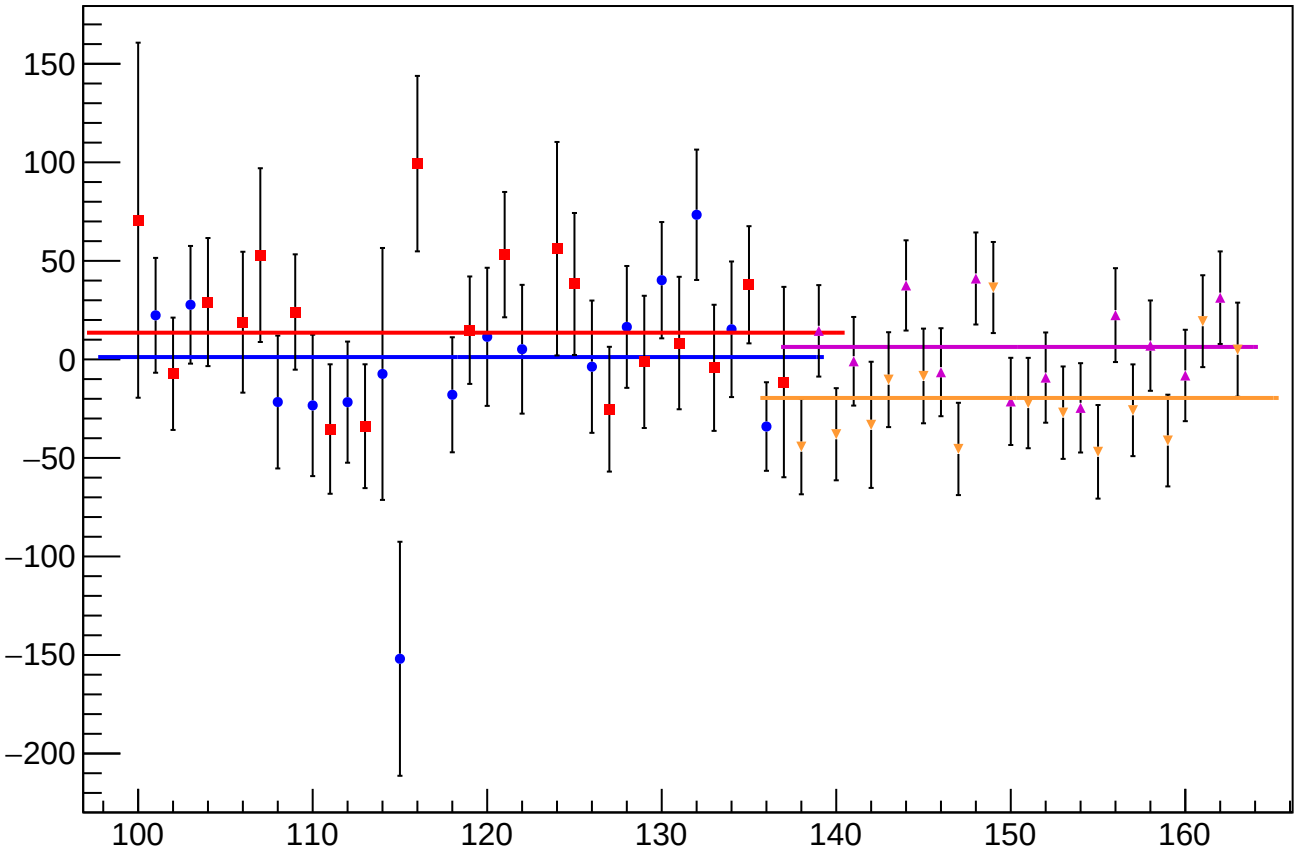
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.112+/-0.003 χ^2/NDF:19990.3/11

+ sign 15.635+/-0.003 χ^2/NDF: 151317.2/29

All: 15.641+/-0.002 χ^2/NDF: 286473.7/60

- sign 15.648+/-0.003 χ^2/NDF: 135143.8/30



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -19.567+/-6.396 χ^2/NDF:15.5/13

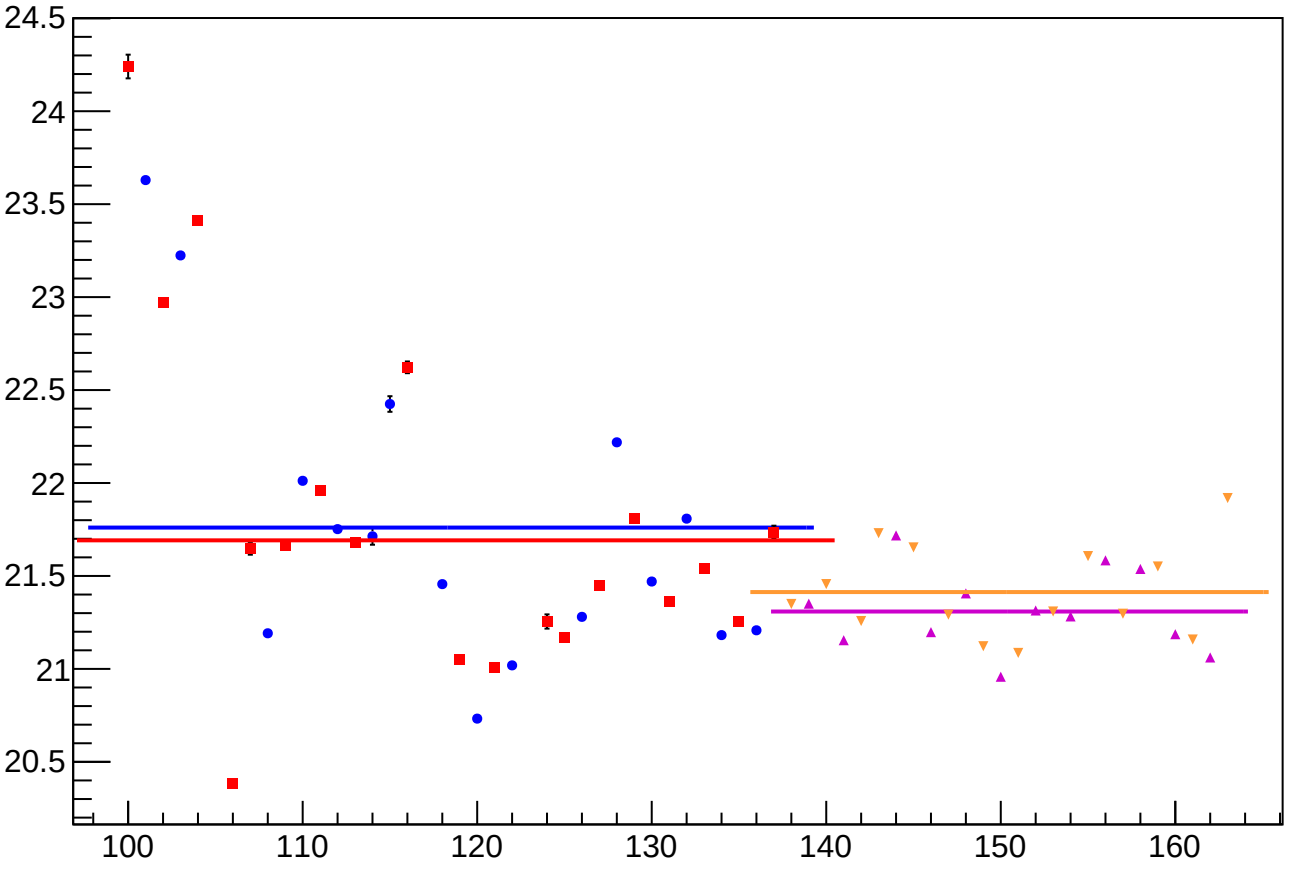
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 6.326+/-6.621 χ^2/NDF:10.5/11

\+ sign -11.582+/-5.017 χ^2/NDF: 39.0/29

All: -1.269+/-3.569 χ^2/NDF: 74.5/60

\- sign 9.299+/-5.078 χ^2/NDF: 26.9/30



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.413+/-0.005 χ^2/NDF:2822.6/13

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

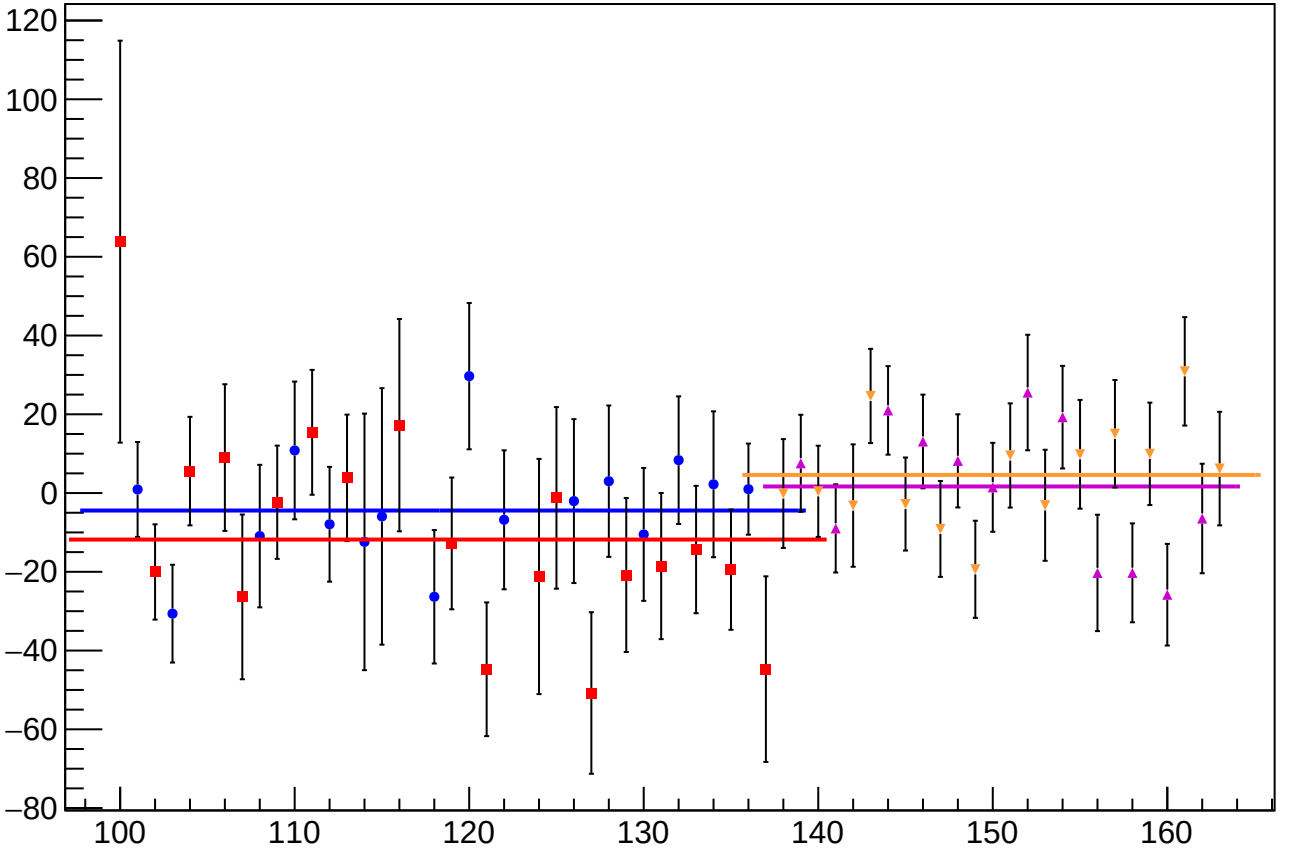
Left In: 21.309+/-0.005 χ^2/NDF:2073.4/11

+ sign 21.547+/-0.004 χ^2/NDF: 24832.2/29

All: 21.507+/-0.003 χ^2/NDF: 48244.9/60

- sign 21.466+/-0.004 χ^2/NDF: 23158.1/30

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: 4.603+/-3.500 χ^2/NDF:13.7/13

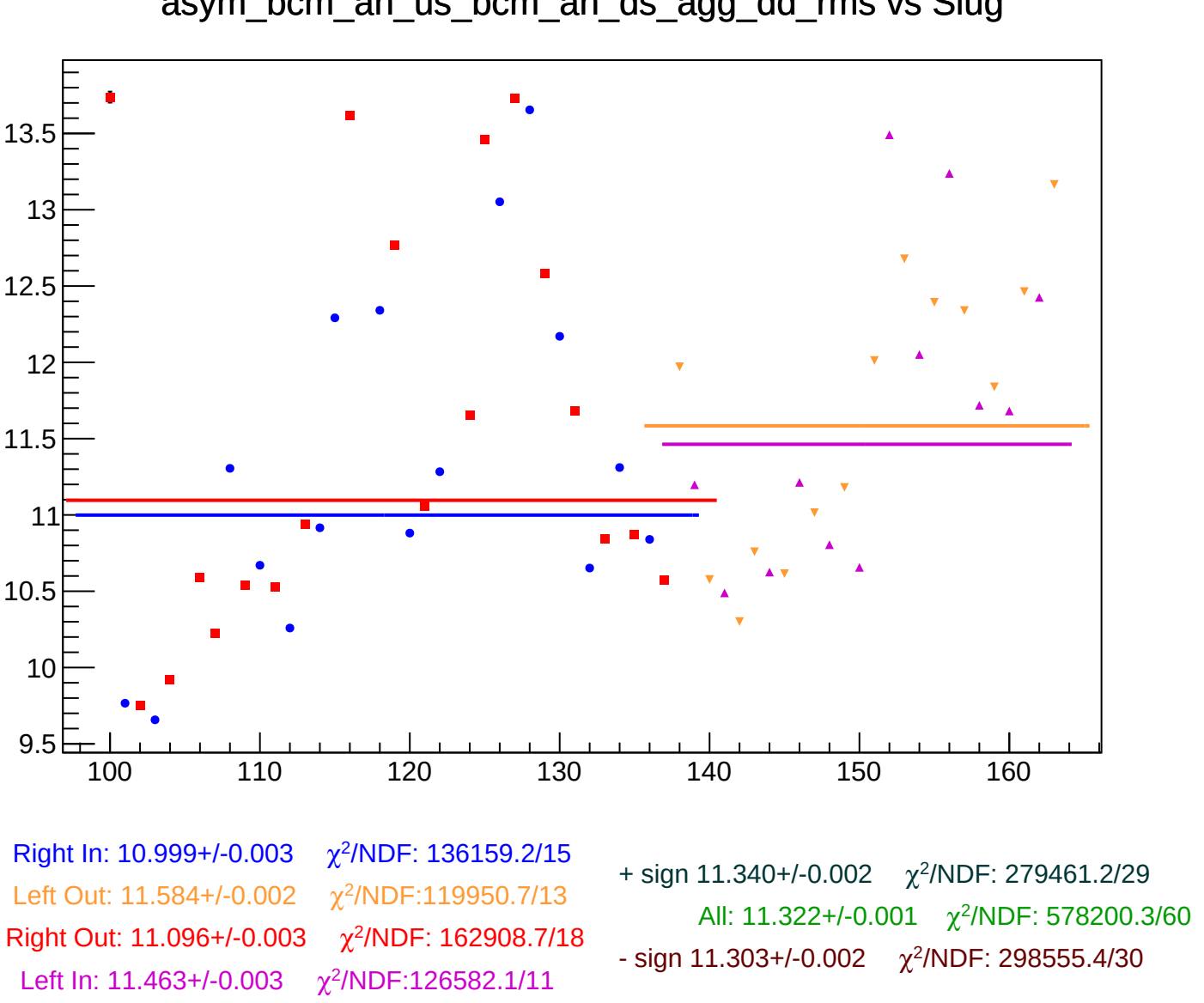
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

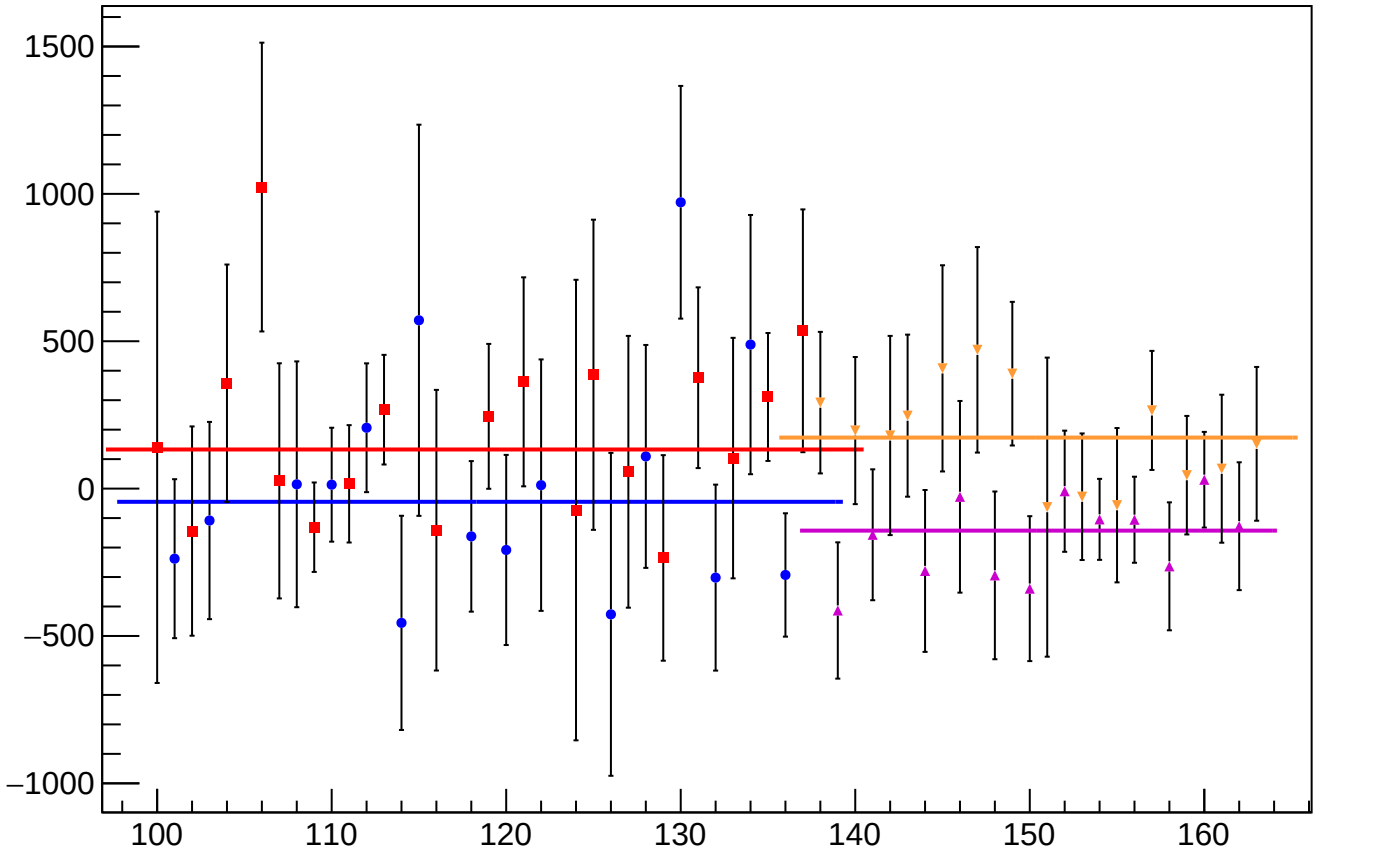
Left In: 1.672+/-3.600 χ^2/NDF:19.9/11

+ sign 0.824+/-2.670 χ^2/NDF: 28.5/29

All: -1.656+/-1.900 χ^2/NDF: 78.0/60

- sign -4.200+/-2.704 χ^2/NDF: 47.8/30


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
100
110
120
130
140
150
160
Right In: 10.999+/-0.003 χ²/NDF: 136159.2/15
Left Out: 11.584+/-0.002 χ²/NDF:119950.7/13
Right Out: 11.096+/-0.003 χ²/NDF: 162908.7/18
Left In: 11.463+/-0.003 χ²/NDF:126582.1/11
+ sign 11.340+/-0.002 χ²/NDF: 279461.2/29
All: 11.322+/-0.001 χ²/NDF: 578200.3/60
- sign 11.303+/-0.002 χ²/NDF: 298555.4/30



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

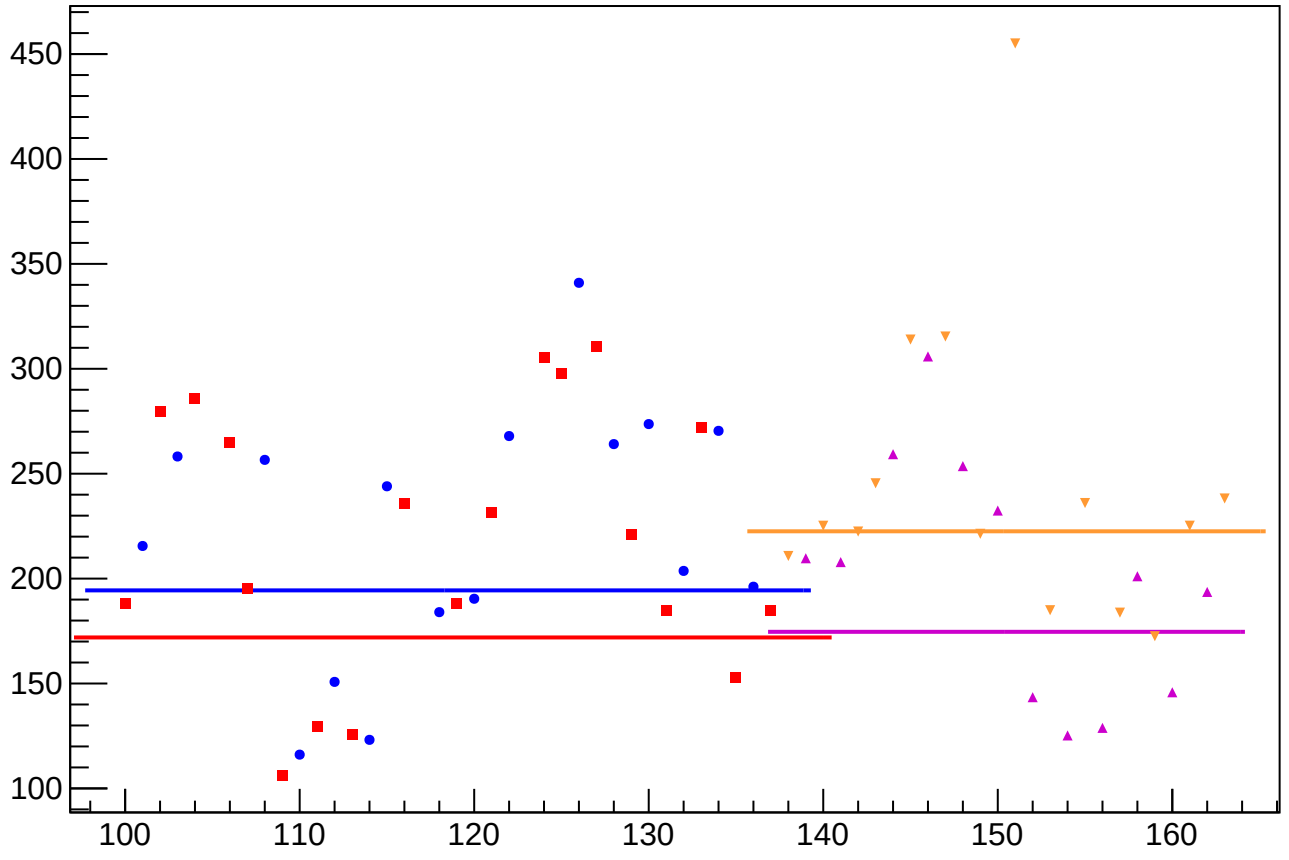
Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: -142.552+/-58.266 χ^2/NDF:4.7/11

+ sign 74.893+/-51.312 χ^2/NDF: 24.8/29

All: 16.799+/-33.540 χ^2/NDF: 54.0/60

- sign -26.540+/-44.319 χ^2/NDF: 26.9/30



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 222.543+/-0.049 χ^2/NDF:988792.0/13

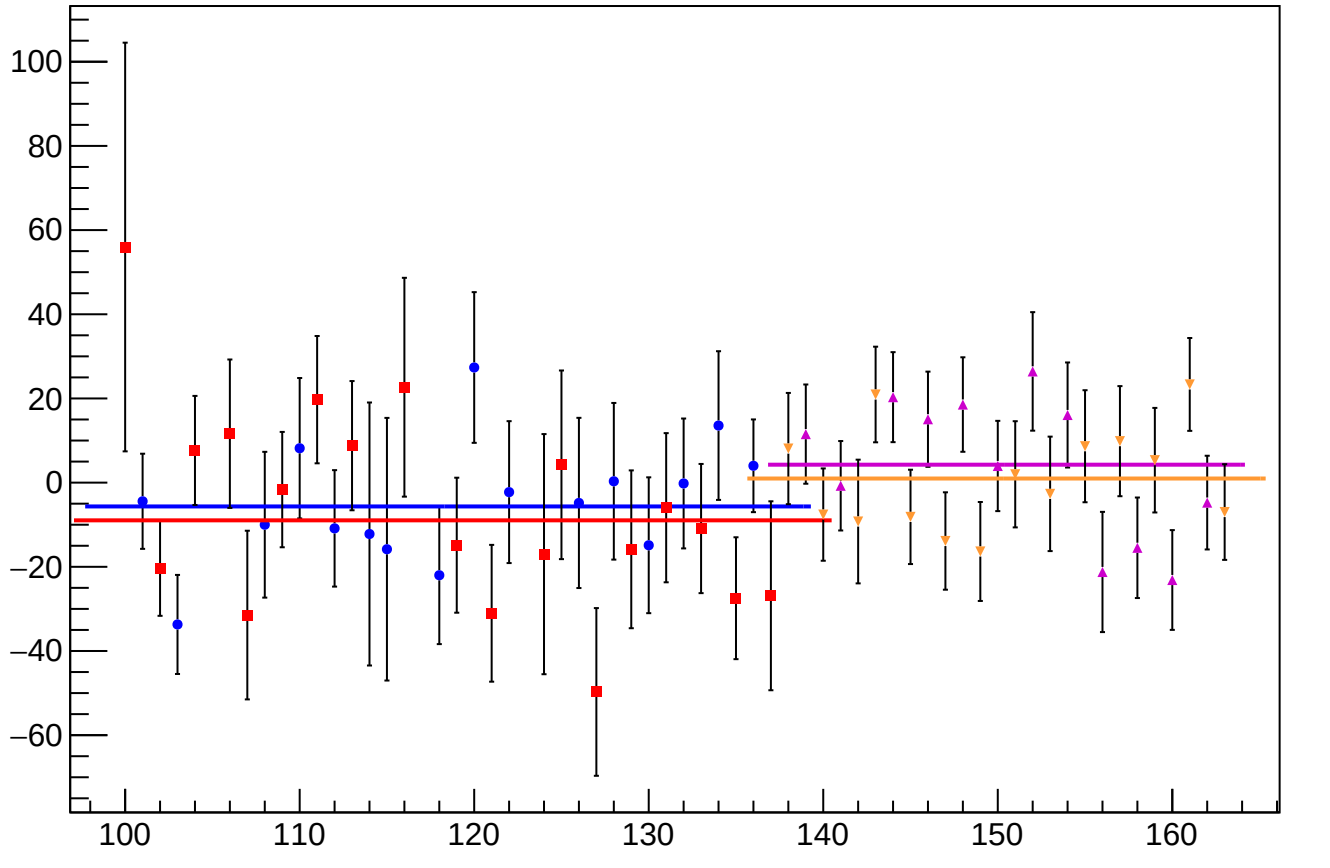
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 174.634+/-0.041 χ^2/NDF:1480266.1/11

+ sign 209.849+/-0.036 χ^2/NDF: 2179922.1/29

All: 189.032+/-0.024 χ^2/NDF: 5888070.9/60

- sign 173.502+/-0.031 χ^2/NDF: 3133399.4/30



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.977+/-3.249 χ^2/NDF:14.5/13

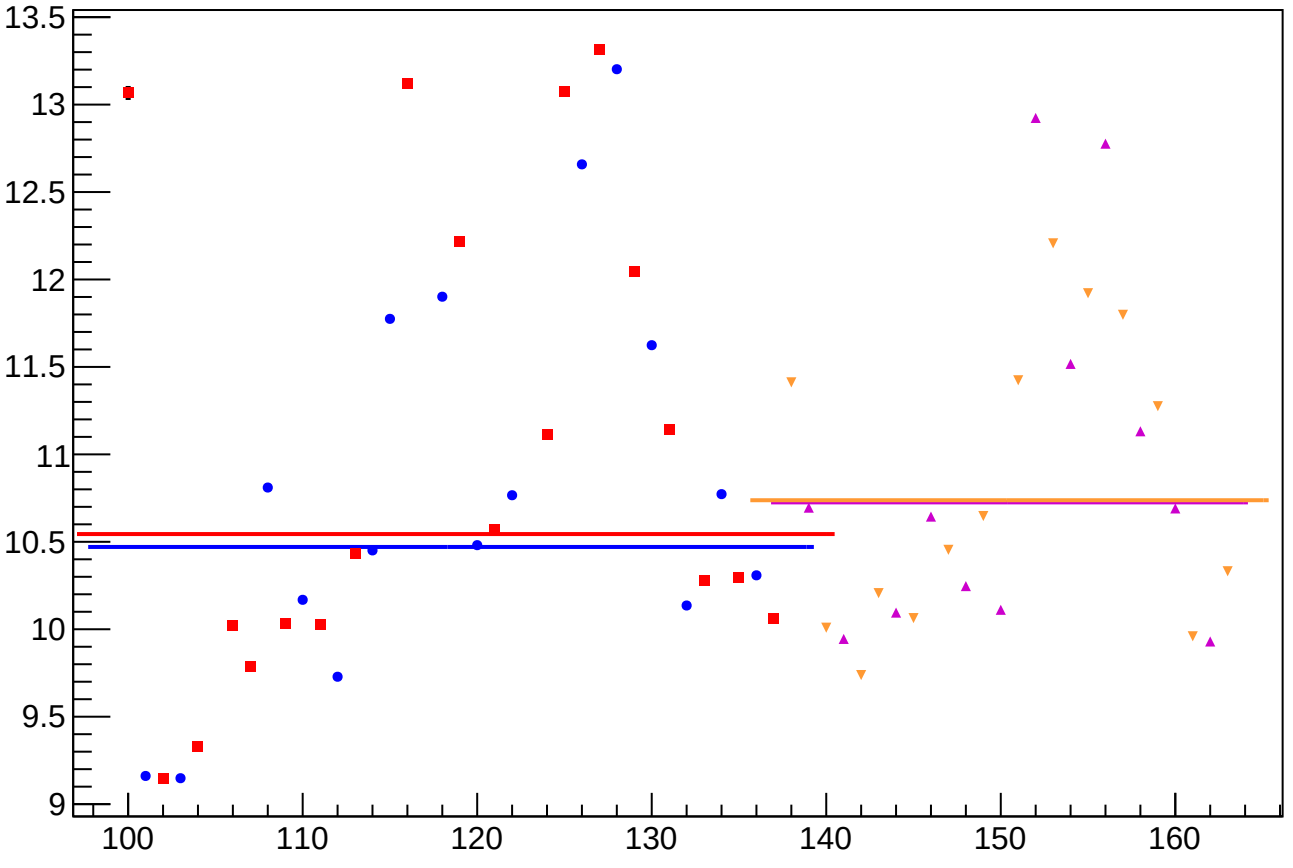
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: 4.262+/-3.374 χ^2/NDF:20.7/11

\+ sign -1.709+/-2.507 χ^2/NDF: 29.9/29

All: -1.556+/-1.788 χ^2/NDF: 80.0/60

\- sign -1.397+/-2.552 χ^2/NDF: 50.0/30



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.738+/-0.002 χ^2/NDF:110682.5/13

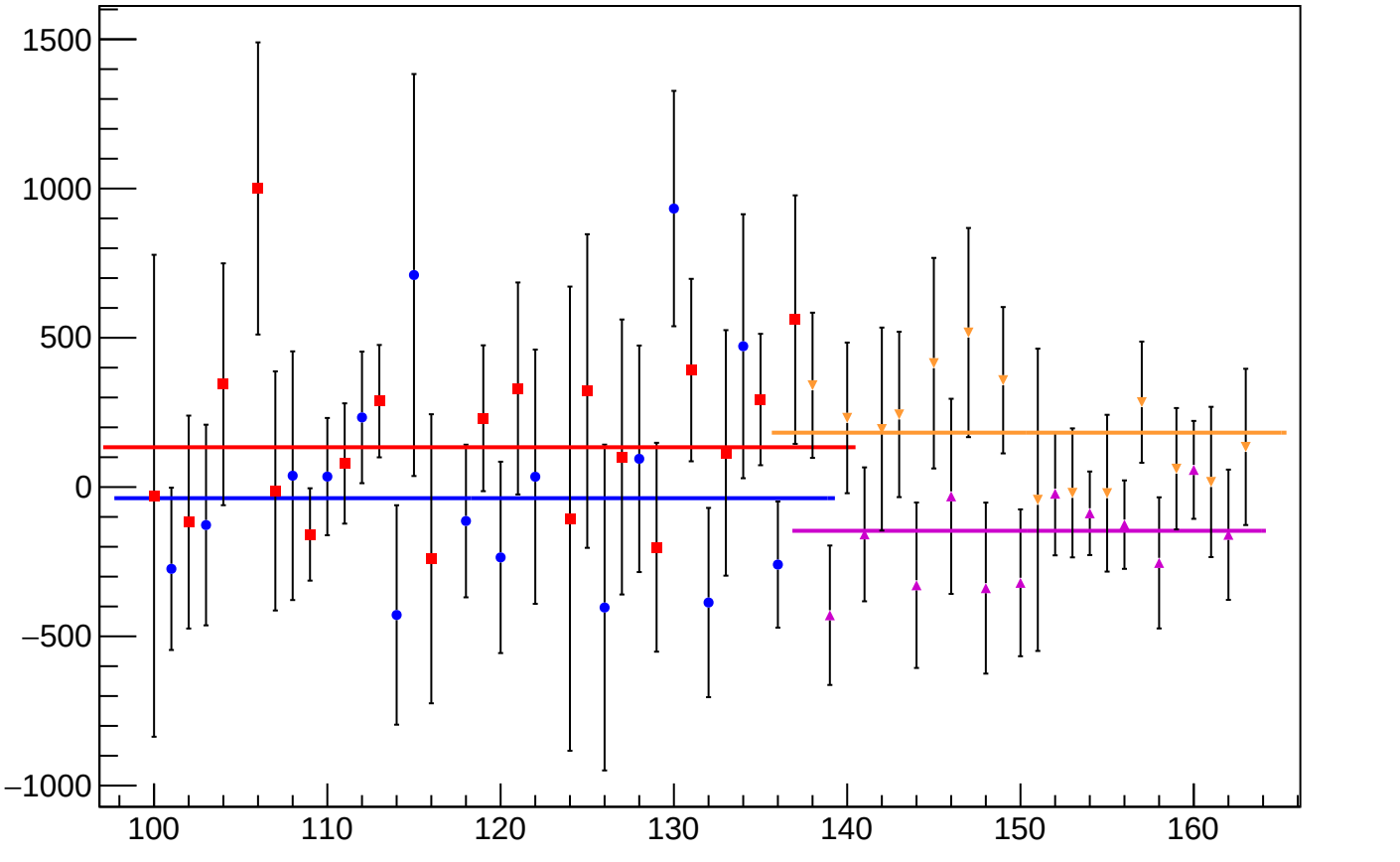
Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.725+/-0.002 χ^2/NDF:138654.6/11

+ sign 10.630+/-0.002 χ^2/NDF: 273522.4/29

All: 10.639+/-0.001 χ^2/NDF: 601474.4/60

- sign 10.648+/-0.002 χ^2/NDF: 327899.4/30



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 182.211+/-69.700 χ^2/NDF:5.1/13

Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

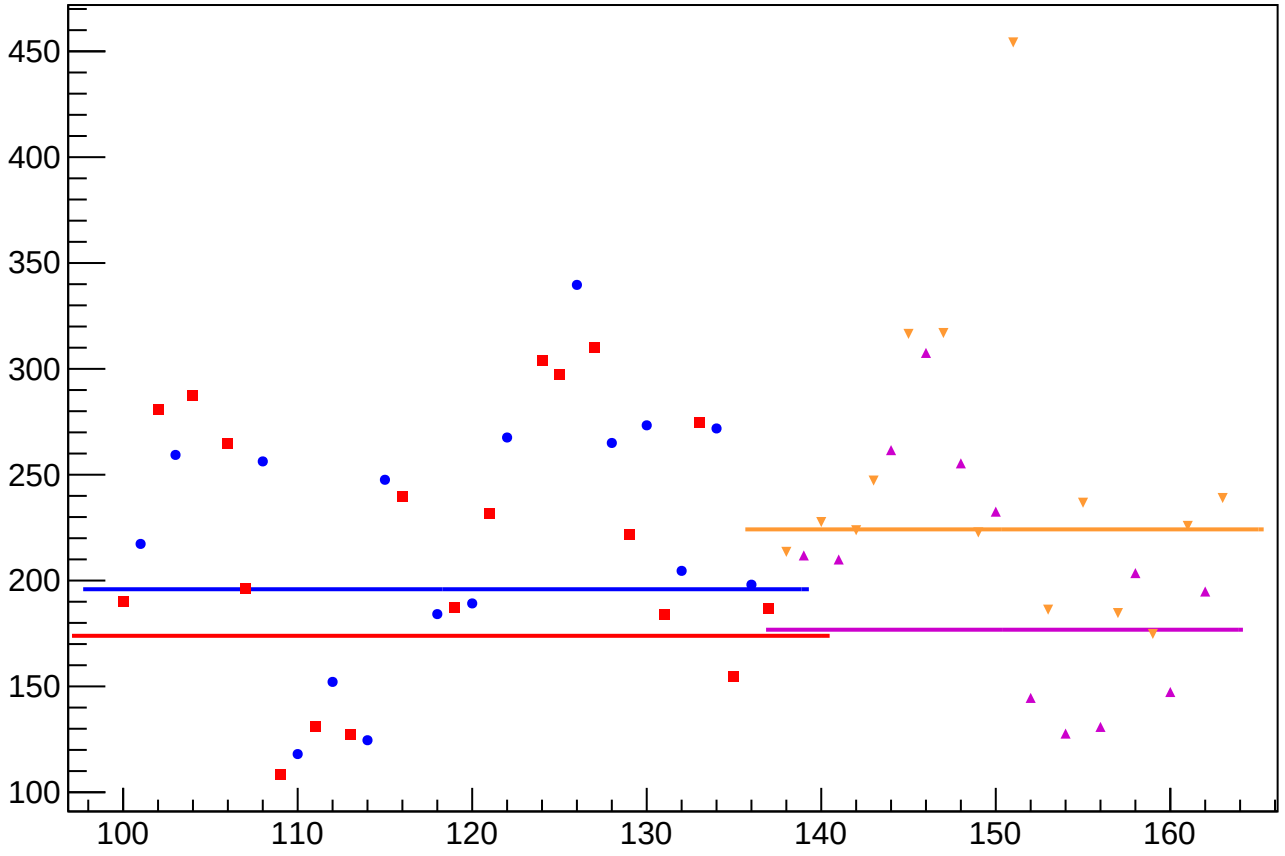
Left In: -146.499+/-58.892 χ^2/NDF:5.3/11

+ sign 83.257+/-51.648 χ^2/NDF: 25.2/29

All: 19.545+/-33.827 χ^2/NDF: 55.7/60

- sign -28.313+/-44.763 χ^2/NDF: 27.8/30

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 224.176+/-0.049 χ^2/NDF:975040.8/13

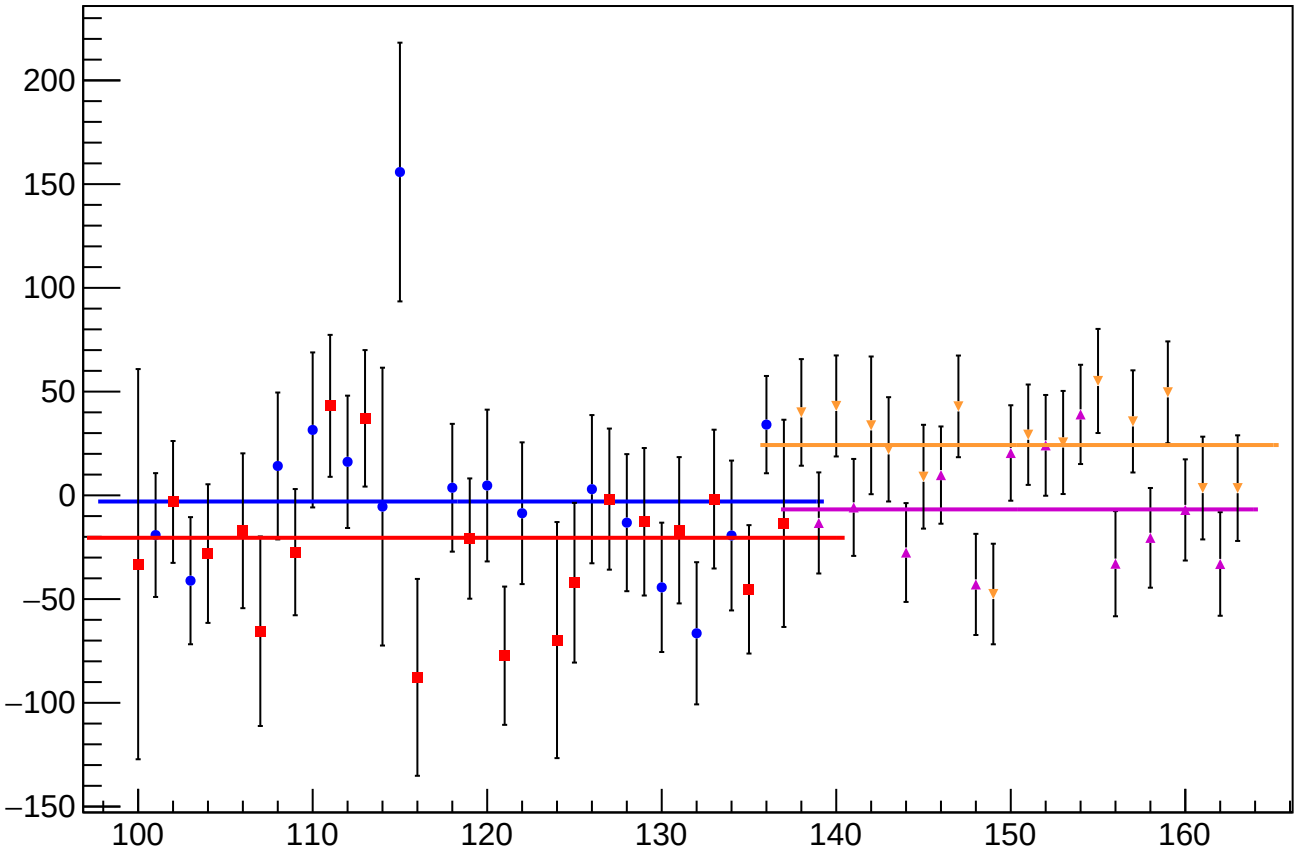
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 176.778+/-0.042 χ^2/NDF:1444269.9/11

+ sign 211.426+/-0.037 χ^2/NDF: 2134477.0/29

All: 190.947+/-0.024 χ^2/NDF: 5731017.1/60

- sign 175.564+/-0.032 χ^2/NDF: 3045893.5/30



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.248+/-6.733 χ^2/NDF:15.0/13

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

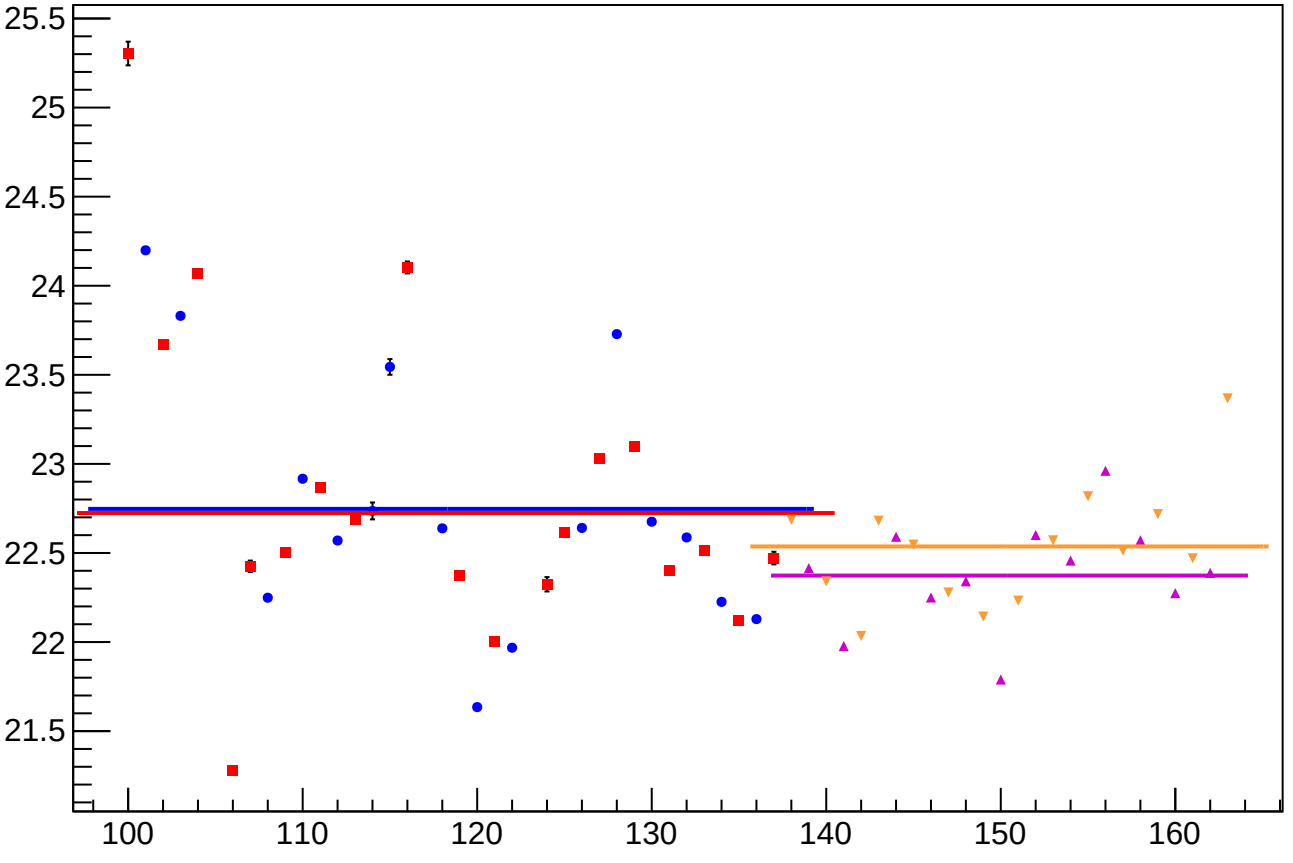
Left In: -6.773+/-6.952 χ^2/NDF:12.7/11

\+ sign 13.686+/-5.267 χ^2/NDF: 39.3/29

All: 0.782+/-3.745 χ^2/NDF: 81.0/60

\- sign -12.422+/-5.328 χ^2/NDF: 29.6/30

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: 22.537+/-0.005 χ^2/NDF:4302.7/13

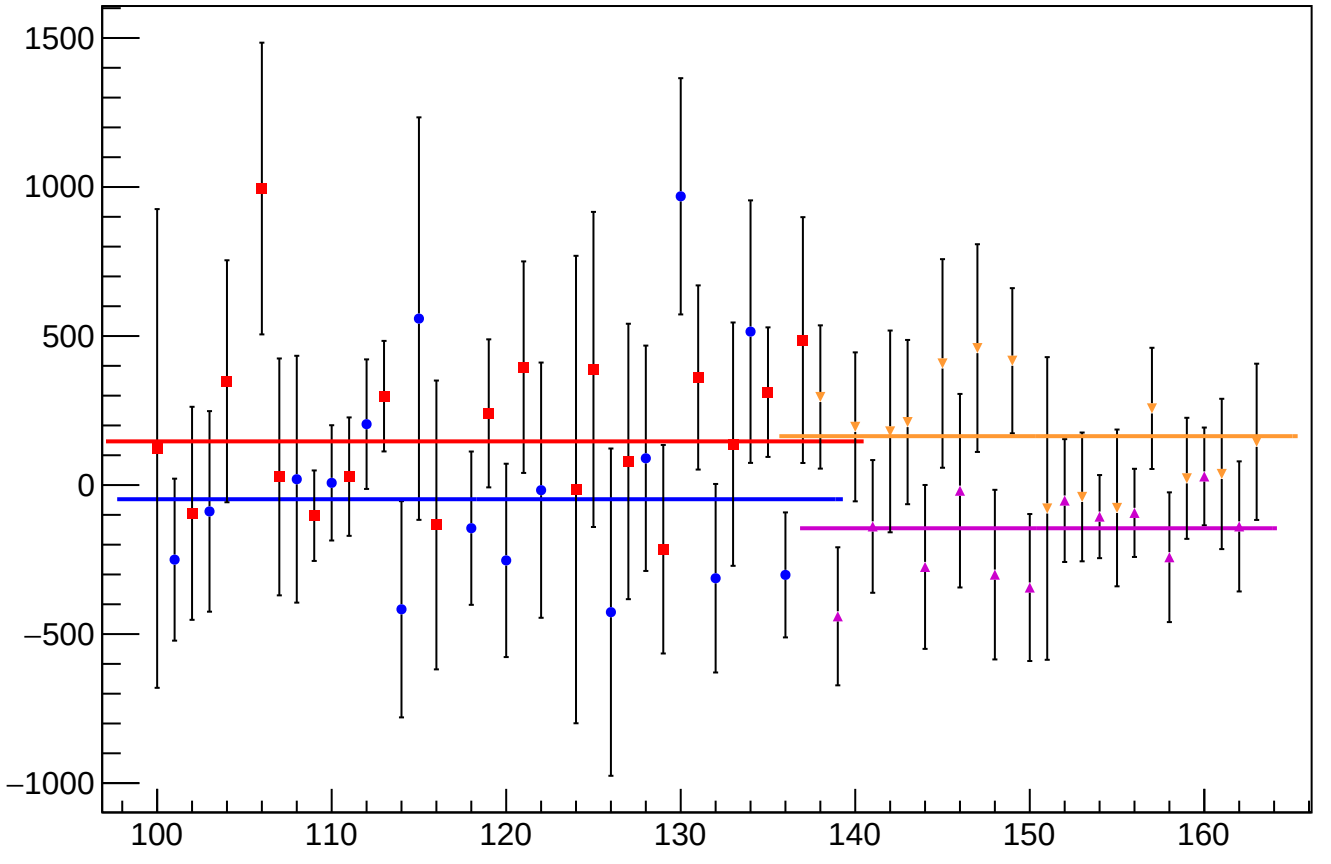
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.373+/-0.005 χ^2/NDF:3539.3/11

\+ sign 22.619+/-0.004 χ^2/NDF: 19686.0/29

All: 22.569+/-0.003 χ^2/NDF: 40180.4/60

\- sign 22.518+/-0.004 χ^2/NDF: 20135.1/30



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 164.027+/-69.514 χ^2/NDF:5.5/13

Right Out: 146.573+/-68.398 χ^2/NDF: 11.6/18

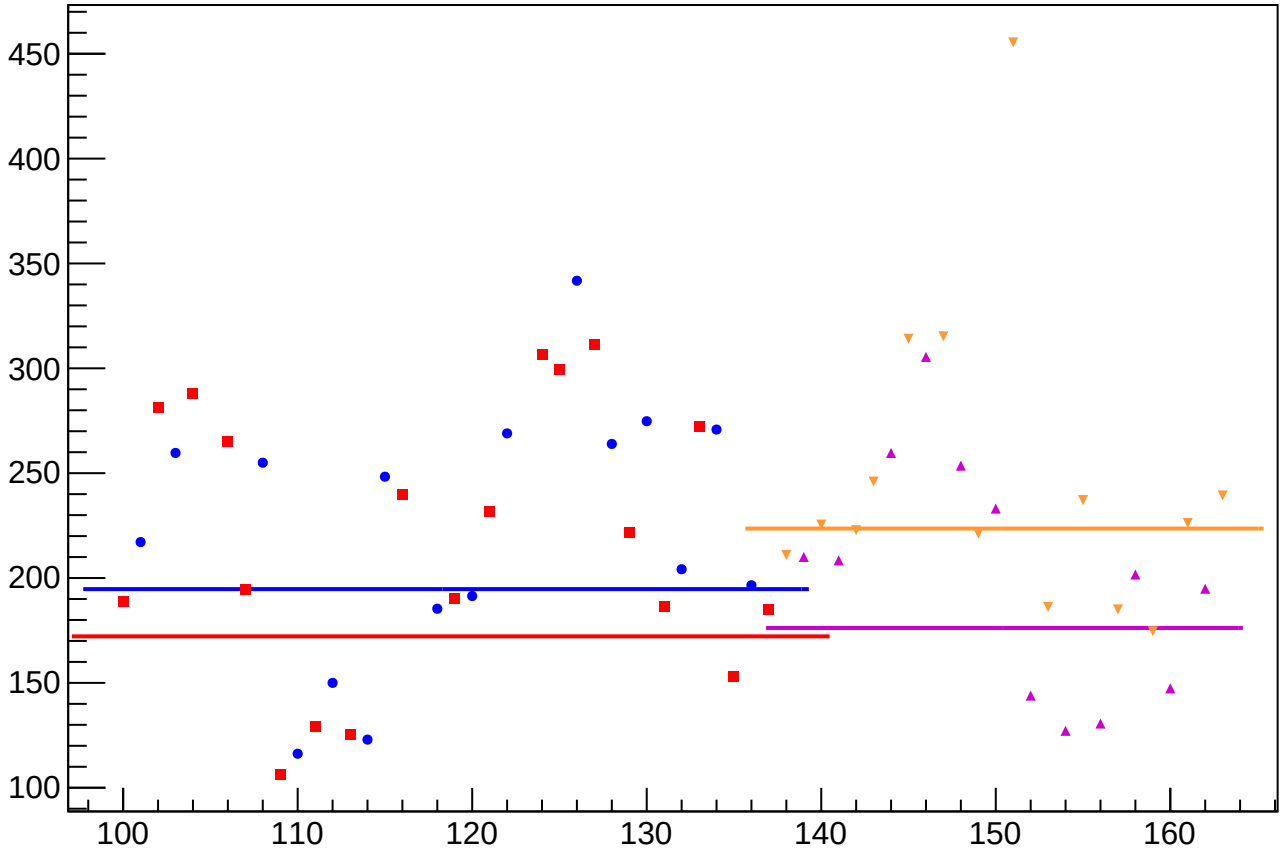
Left In: -144.933+/-58.693 χ^2/NDF:4.7/11

+ sign 68.447+/-51.468 χ^2/NDF: 25.1/29

All: 17.126+/-33.681 χ^2/NDF: 53.6/60

- sign -21.311+/-44.542 χ^2/NDF: 26.7/30

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 223.583+/-0.049 χ^2/NDF:968990.9/13

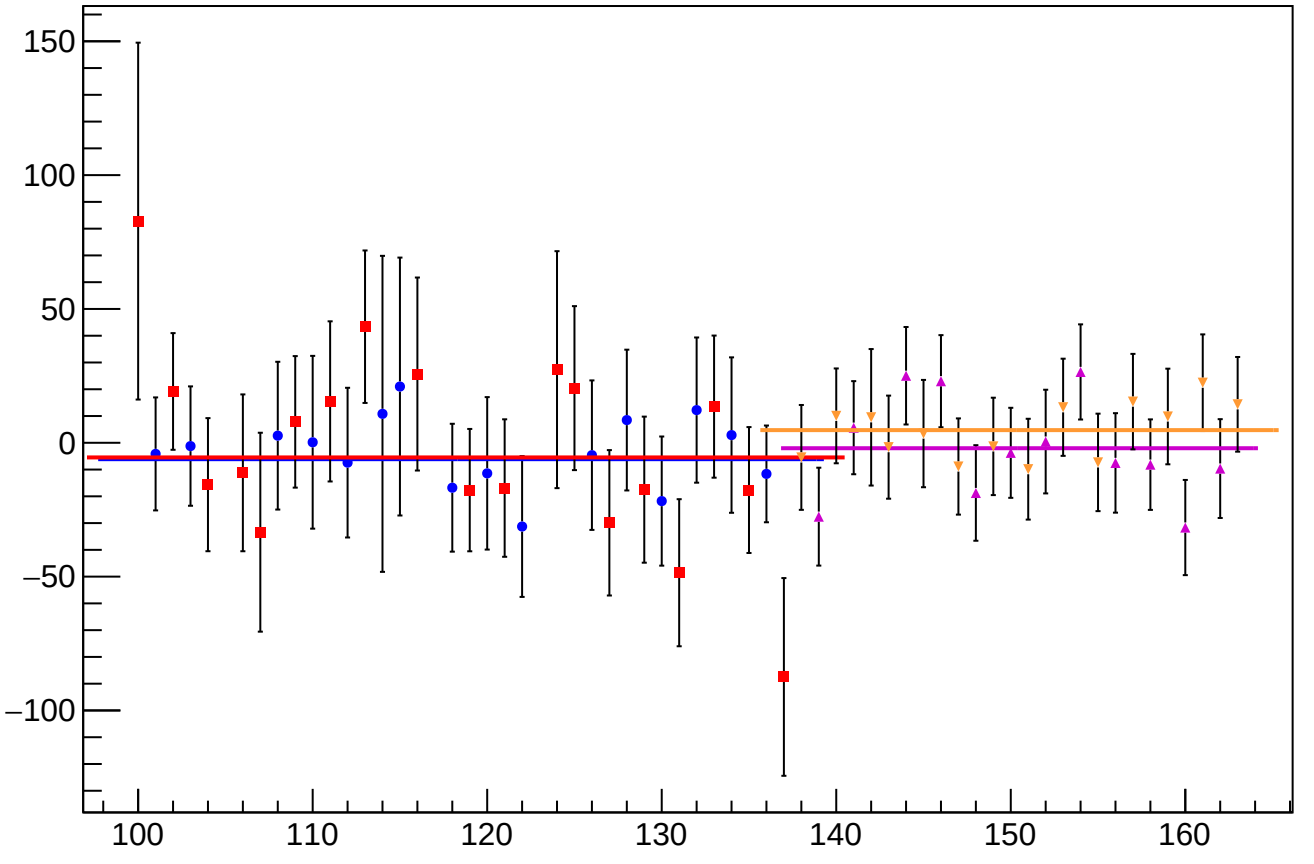
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.193+/-0.042 χ^2/NDF:1430603.6/11

+ sign 210.537+/-0.036 χ^2/NDF: 2177193.5/29

All: 189.928+/-0.024 χ^2/NDF: 5843639.9/60

- sign 174.494+/-0.031 χ^2/NDF: 3105624.6/30



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.731+/-4.997 χ^2/NDF:4.2/13

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

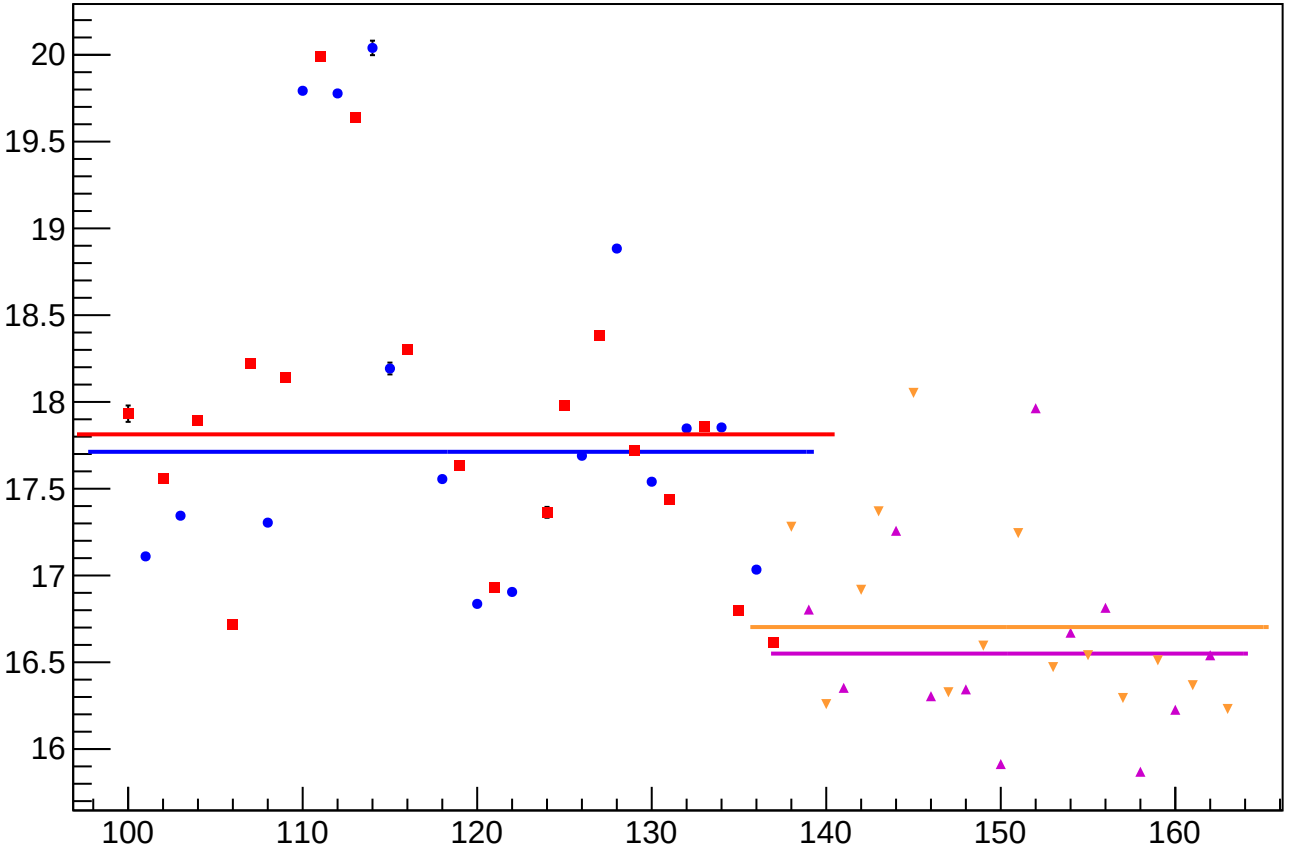
Left In: -2.031+/-5.151 χ^2/NDF:13.1/11

+ sign 0.772+/-3.982 χ^2/NDF: 9.0/29

All: -1.262+/-2.836 χ^2/NDF: 42.0/60

- sign -3.355+/-4.039 χ^2/NDF: 32.5/30

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.703+/-0.004 χ^2/NDF:21068.2/13

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

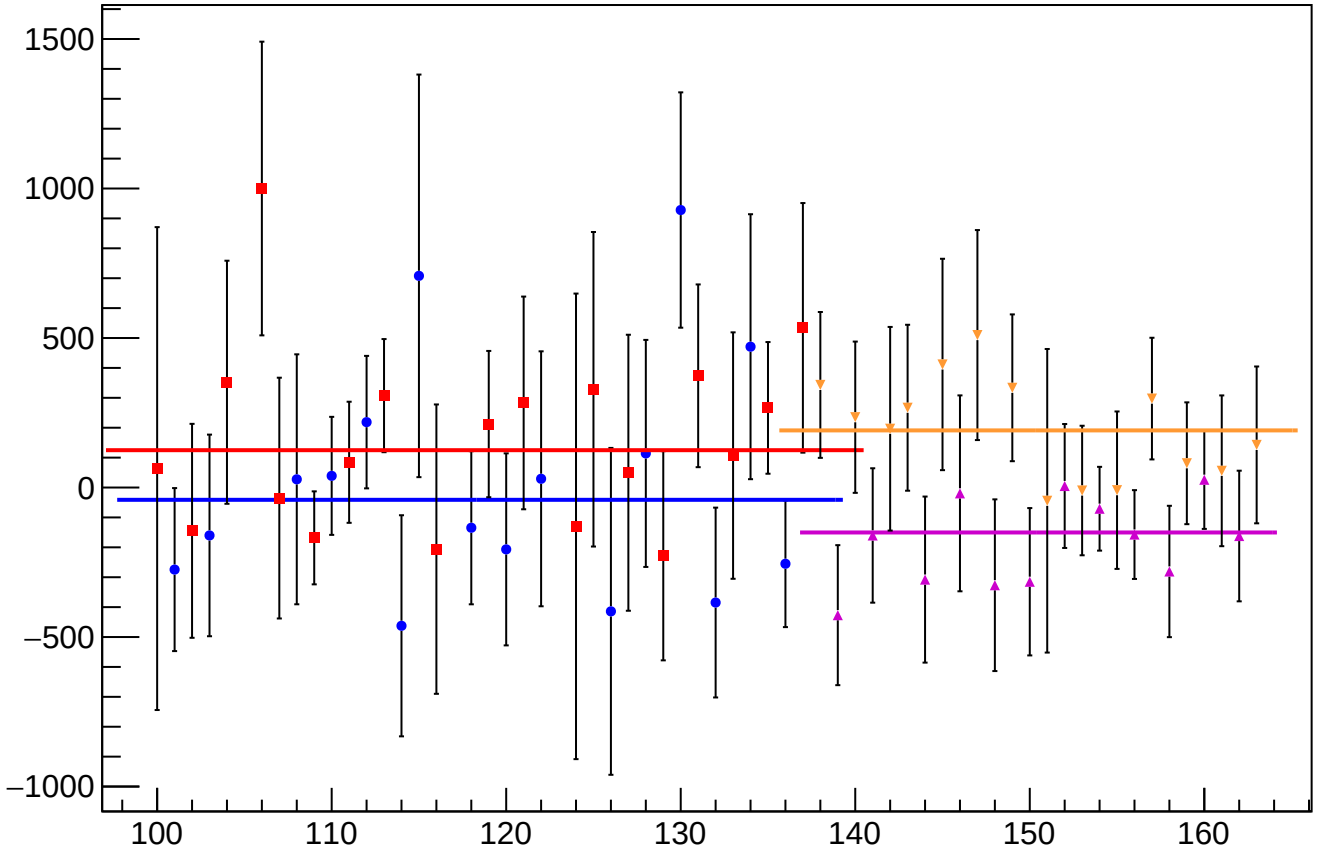
Left In: 16.550+/-0.004 χ^2/NDF:22255.5/11

+ sign 17.071+/-0.003 χ^2/NDF: 86852.8/29

All: 17.054+/-0.002 χ^2/NDF: 188220.2/60

- sign 17.037+/-0.003 χ^2/NDF: 101292.0/30

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: 191.039+/-69.855 χ^2/NDF:4.6/13

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

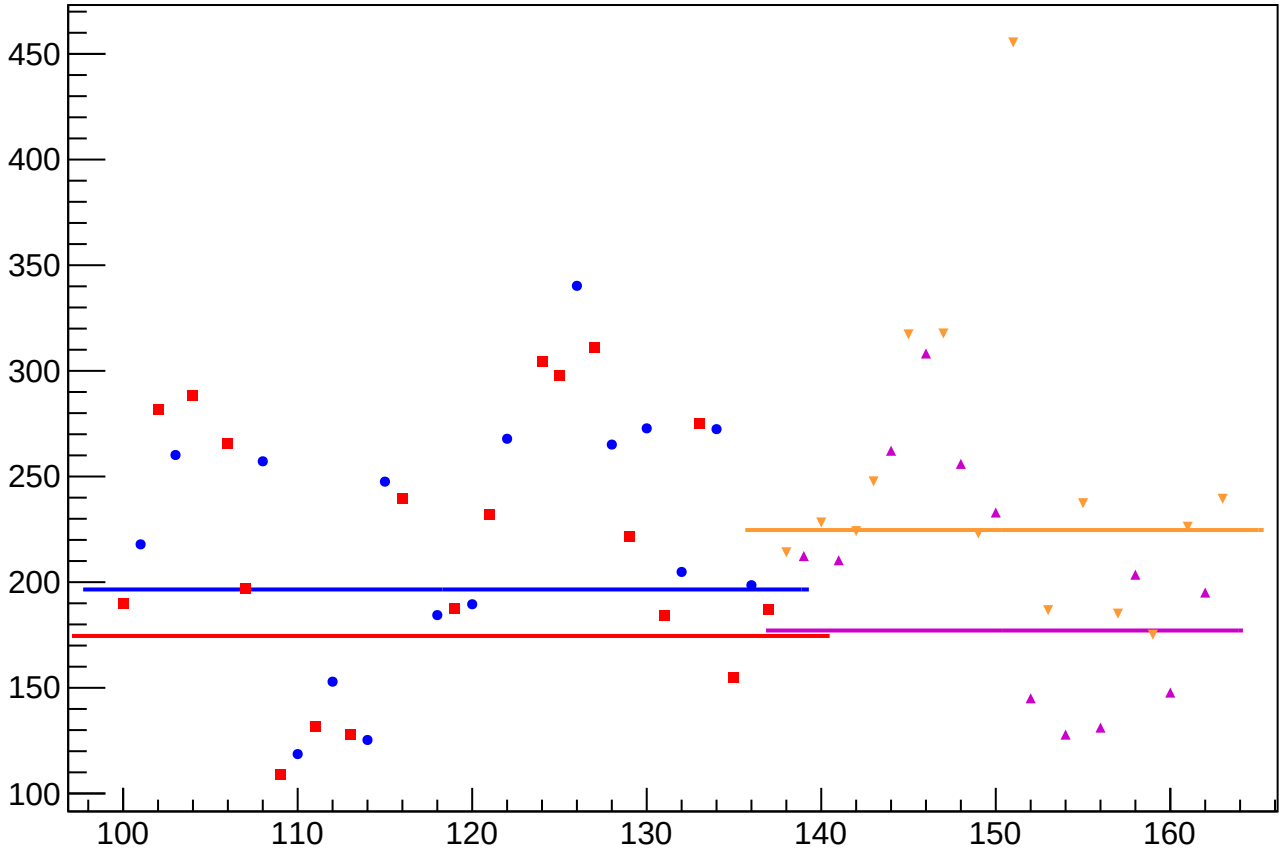
Left In: -150.325+/-59.008 χ^2/NDF:5.1/11

+ sign 86.437+/-51.779 χ^2/NDF: 25.2/29

All: 17.494+/-33.912 χ^2/NDF: 55.4/60

- sign -34.289+/-44.875 χ^2/NDF: 27.1/30

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 224.673+/-0.049 χ^2/NDF:975073.8/13

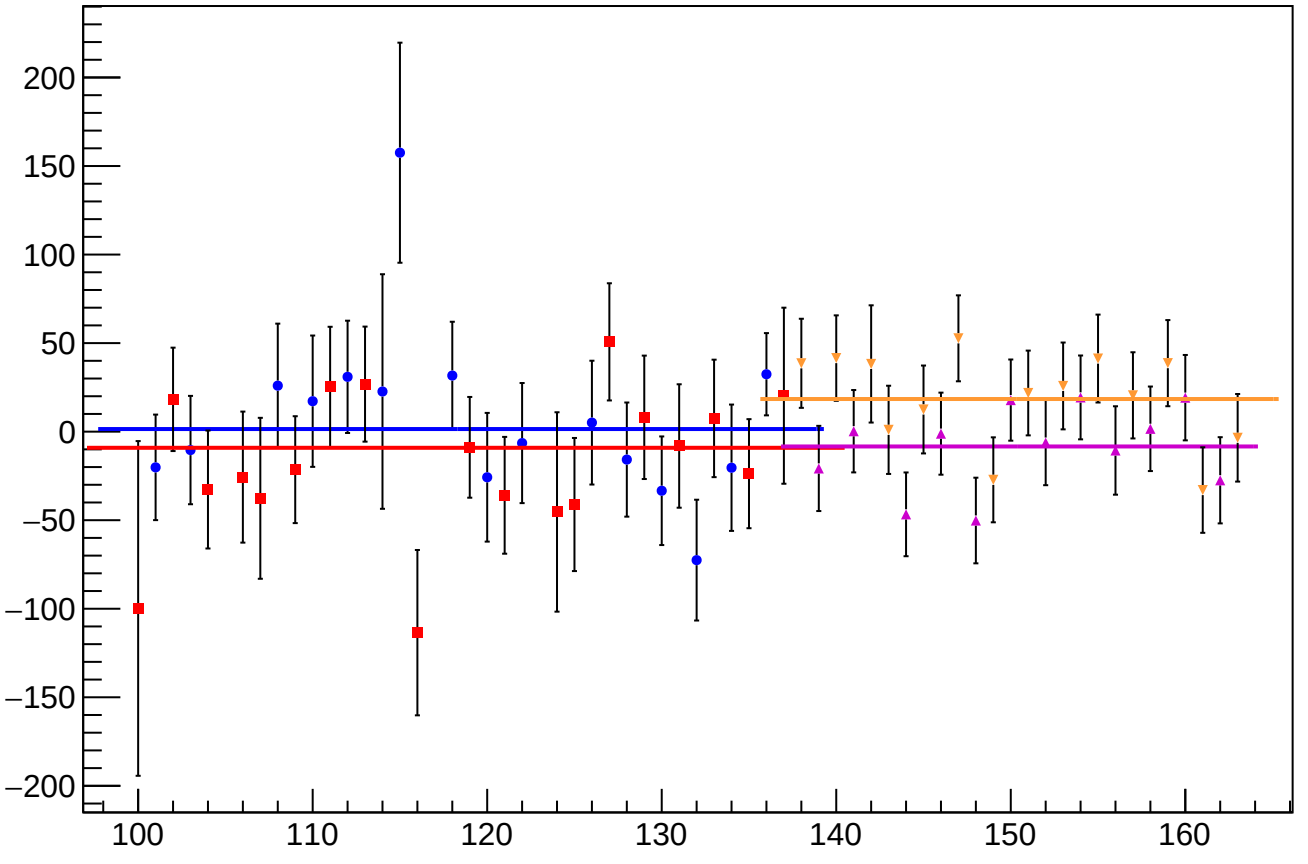
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.125+/-0.042 χ^2/NDF:1443816.2/11

+ sign 211.998+/-0.037 χ^2/NDF: 2121984.7/29

All: 191.461+/-0.024 χ^2/NDF: 5707116.7/60

- sign 176.035+/-0.032 χ^2/NDF: 3034159.4/30



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 18.428+/-6.645 χ^2/NDF:15.1/13

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

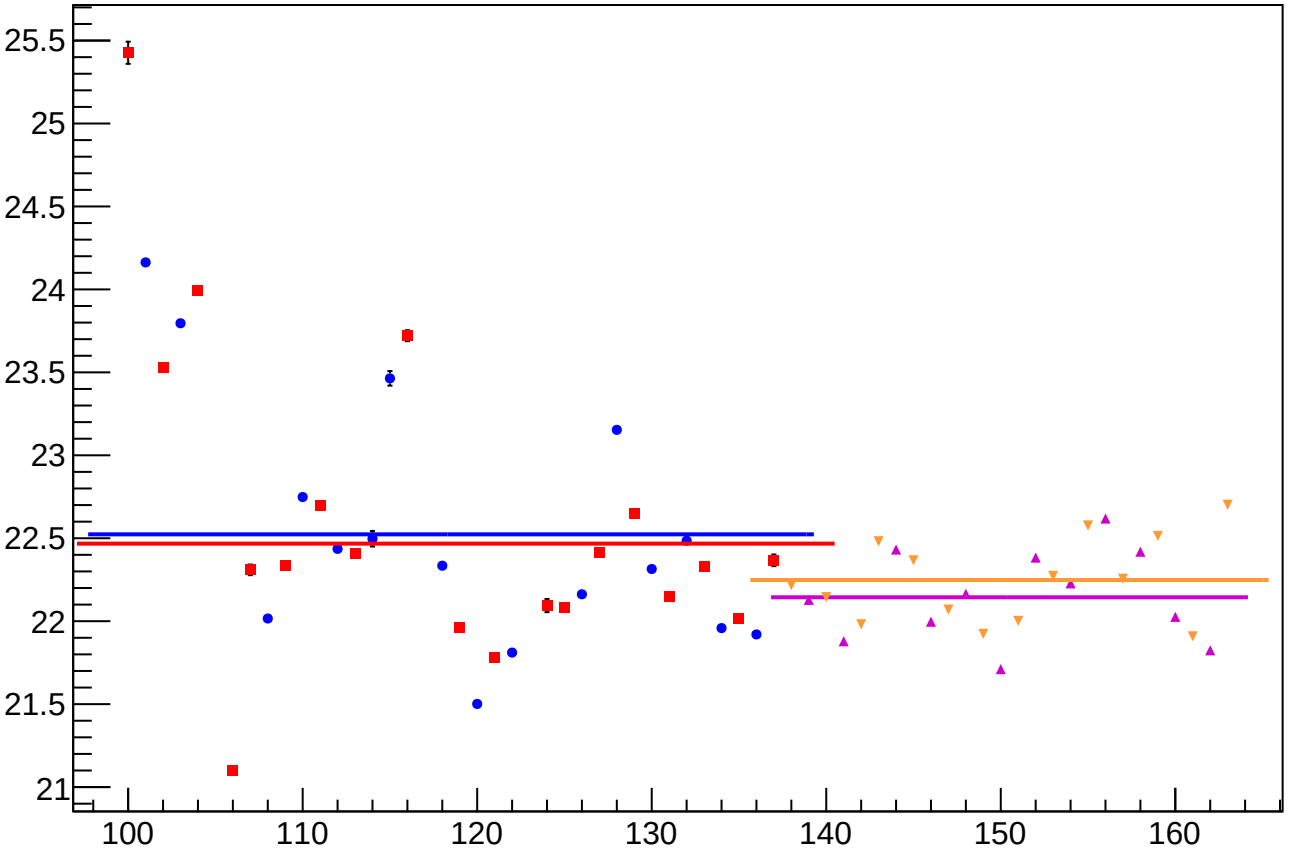
Left In: -8.366+/-6.880 χ^2/NDF:10.9/11

+ sign 11.874+/-5.205 χ^2/NDF: 36.2/29

All: 1.728+/-3.703 χ^2/NDF: 71.3/60

- sign -8.675+/-5.270 χ^2/NDF: 27.4/30

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: 22.248+/-0.005 χ^2/NDF:2737.6/13

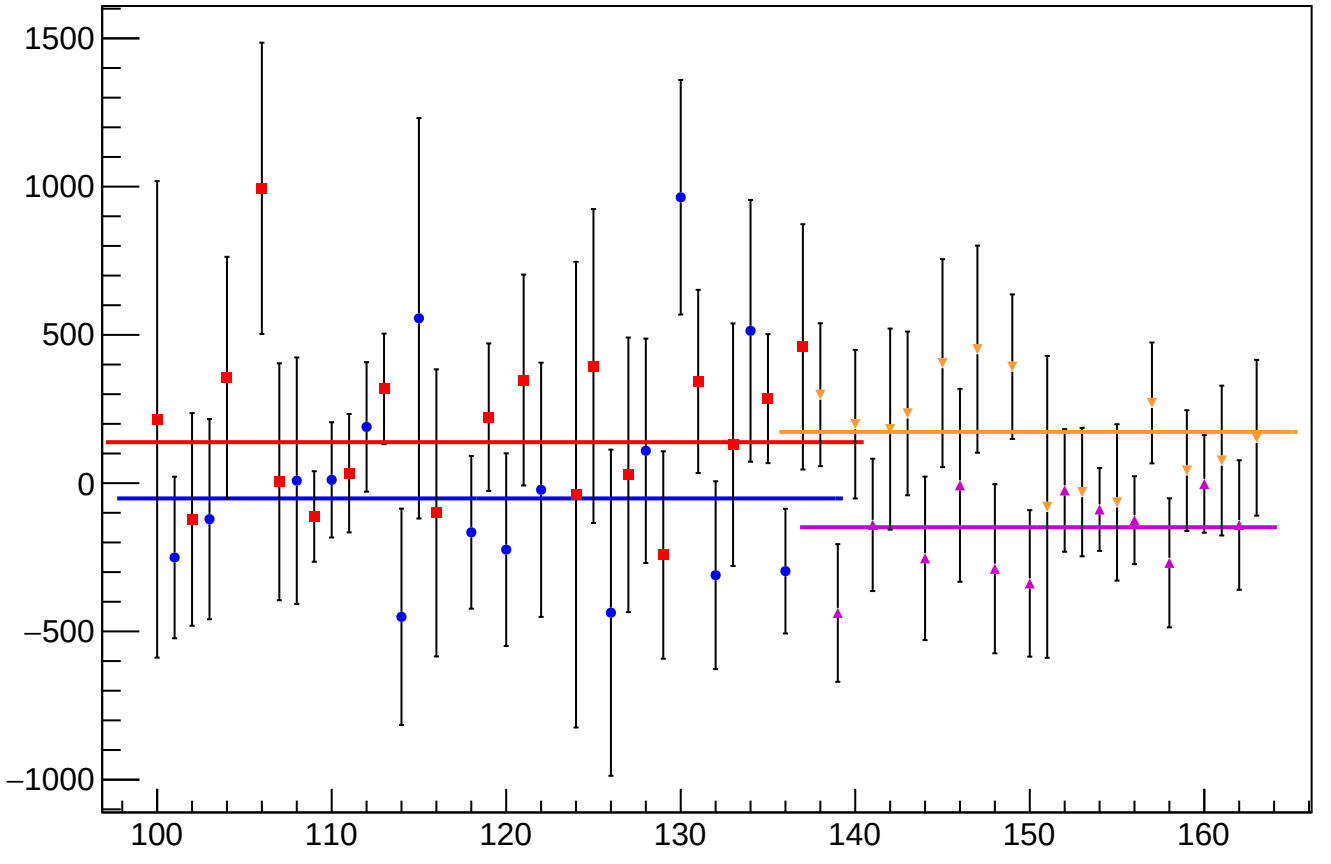
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.144+/-0.005 χ^2/NDF:2957.1/11

+ sign 22.355+/-0.004 χ^2/NDF: 20014.0/29

All: 22.317+/-0.003 χ^2/NDF: 40639.1/60

- sign 22.278+/-0.004 χ^2/NDF: 20410.2/30



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 172.947+/-69.669 χ^2/NDF:5.0/13

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

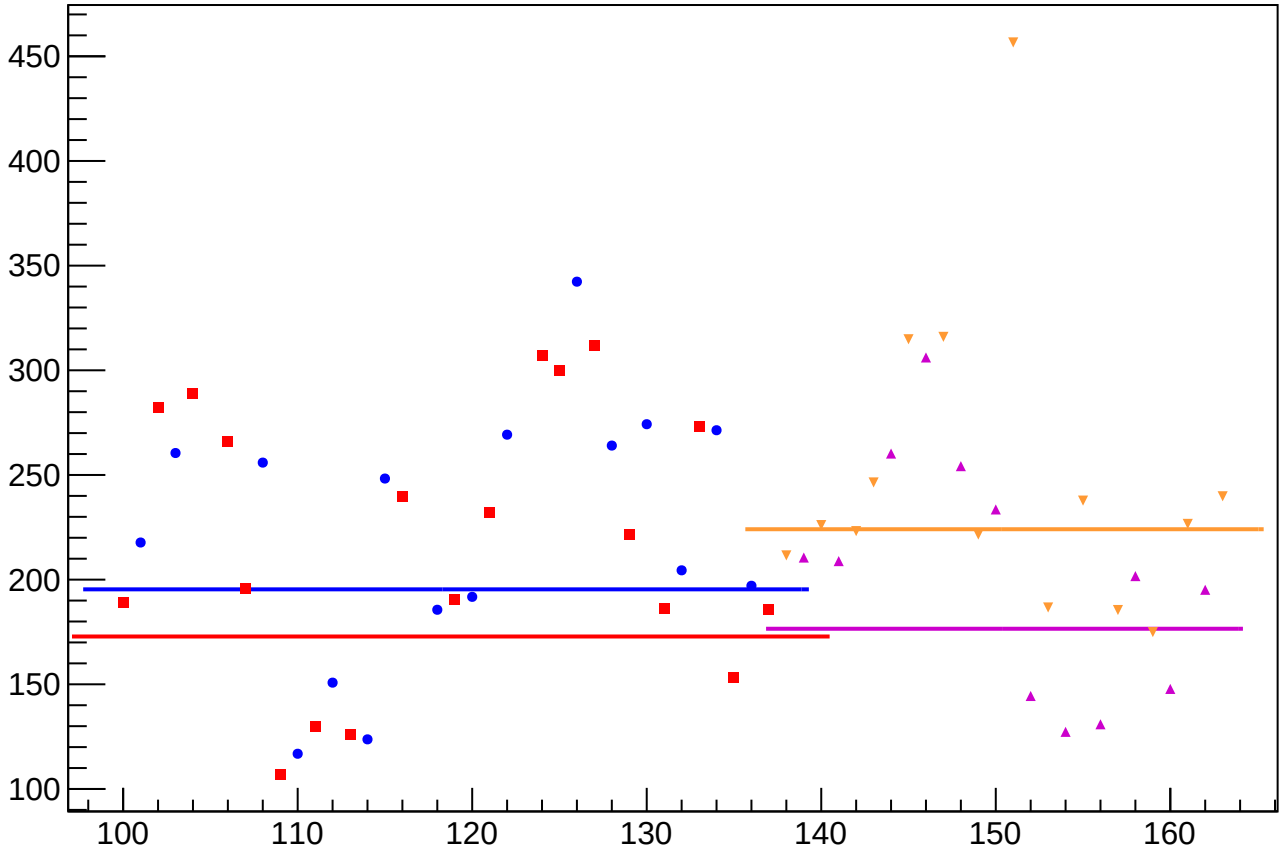
Left In: -148.666+/-58.808 χ^2/NDF:4.4/11

+ sign 71.625+/-51.600 χ^2/NDF: 25.0/29

All: 15.114+/-33.766 χ^2/NDF: 53.1/60

- sign -27.207+/-44.655 χ^2/NDF: 26.1/30

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: 224.079+/-0.049 χ^2/NDF:969030.0/13

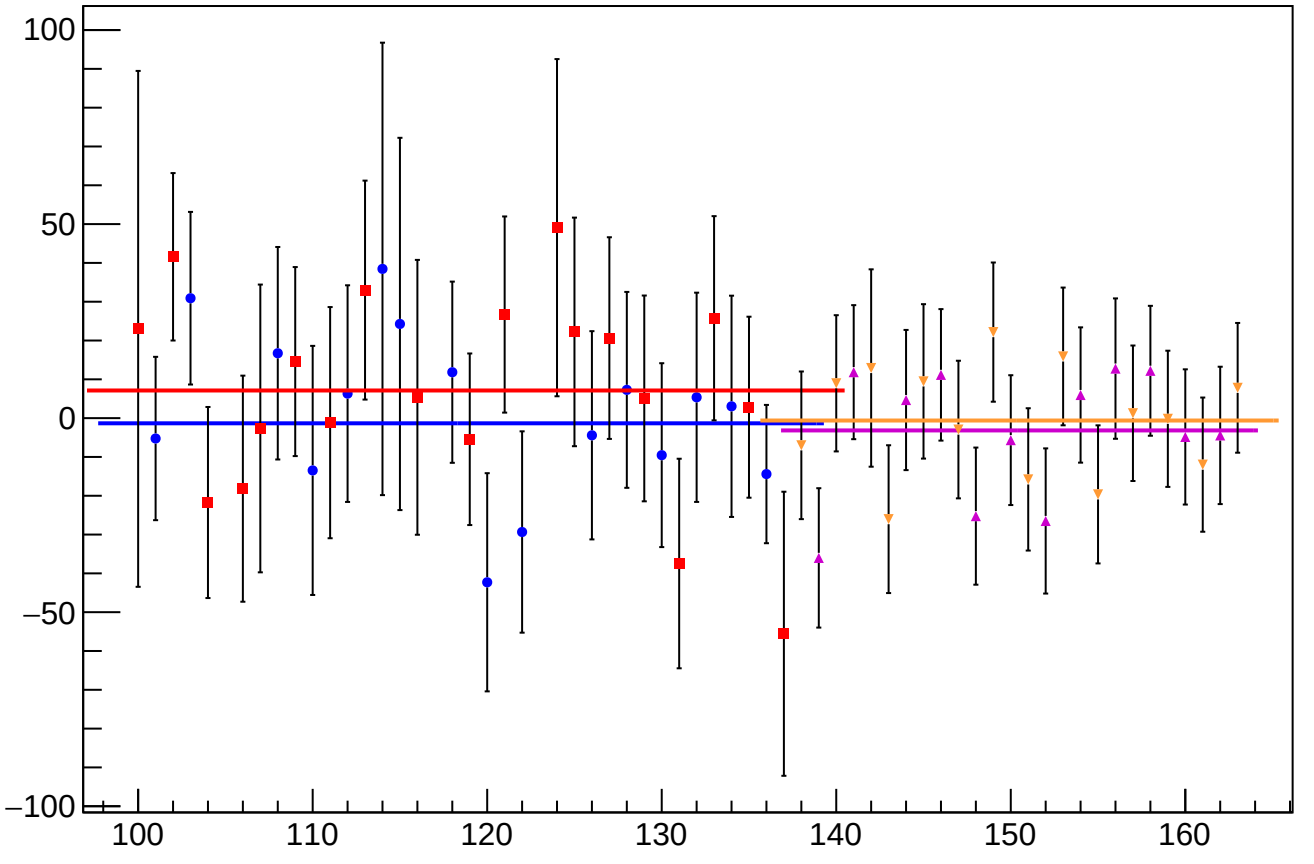
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 176.537+/-0.042 χ^2/NDF:1430269.6/11

+ sign 211.114+/-0.036 χ^2/NDF: 2163876.8/29

All: 190.448+/-0.024 χ^2/NDF: 5818017.9/60

- sign 174.971+/-0.032 χ^2/NDF: 3093052.7/30



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.612+/-4.886 χ^2/NDF:7.8/13

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

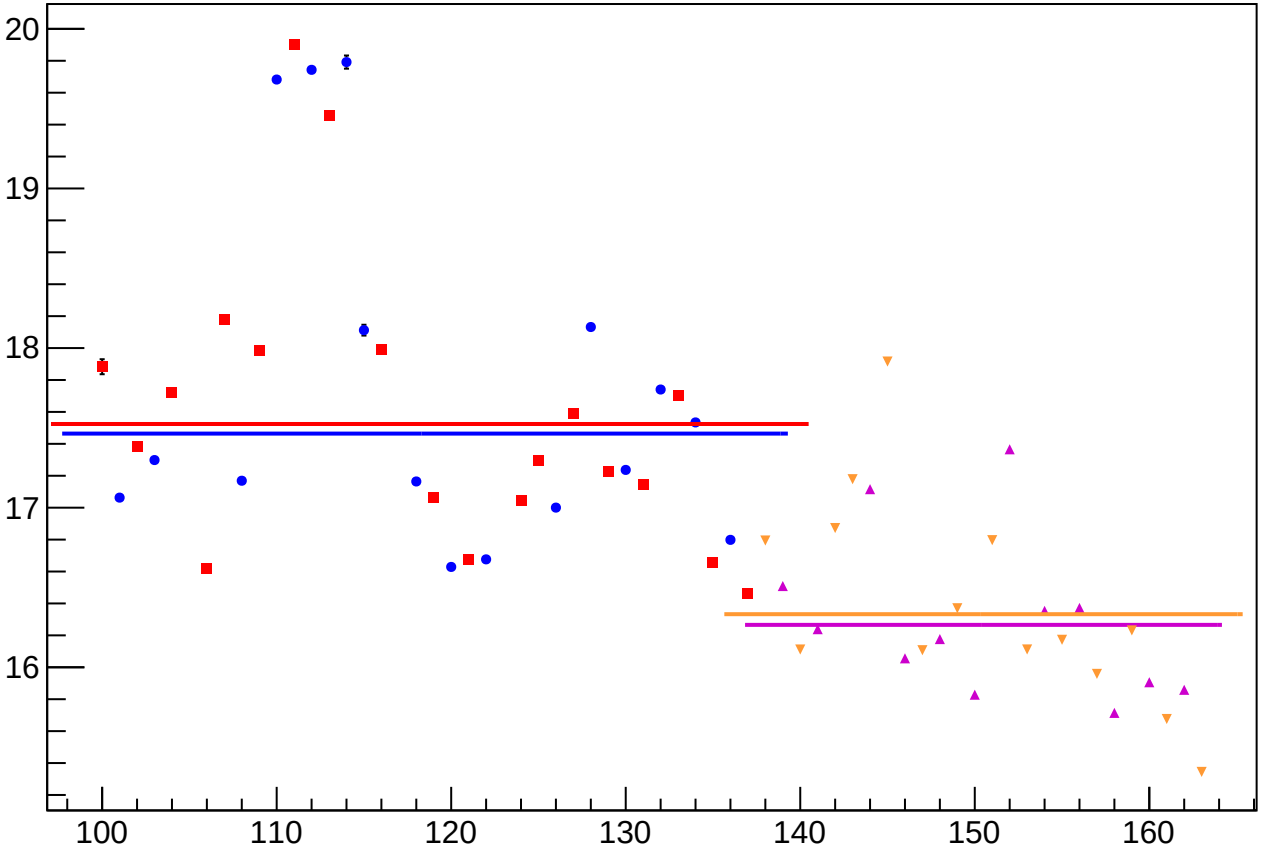
Left In: -3.166+/-5.061 χ^2/NDF:10.1/11

+ sign -0.871+/-3.905 χ^2/NDF: 15.8/29

All: -0.053+/-2.784 χ^2/NDF: 41.9/60

- sign 0.792+/-3.970 χ^2/NDF: 26.1/30

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: 16.333+/-0.003 χ^2/NDF:31945.5/13

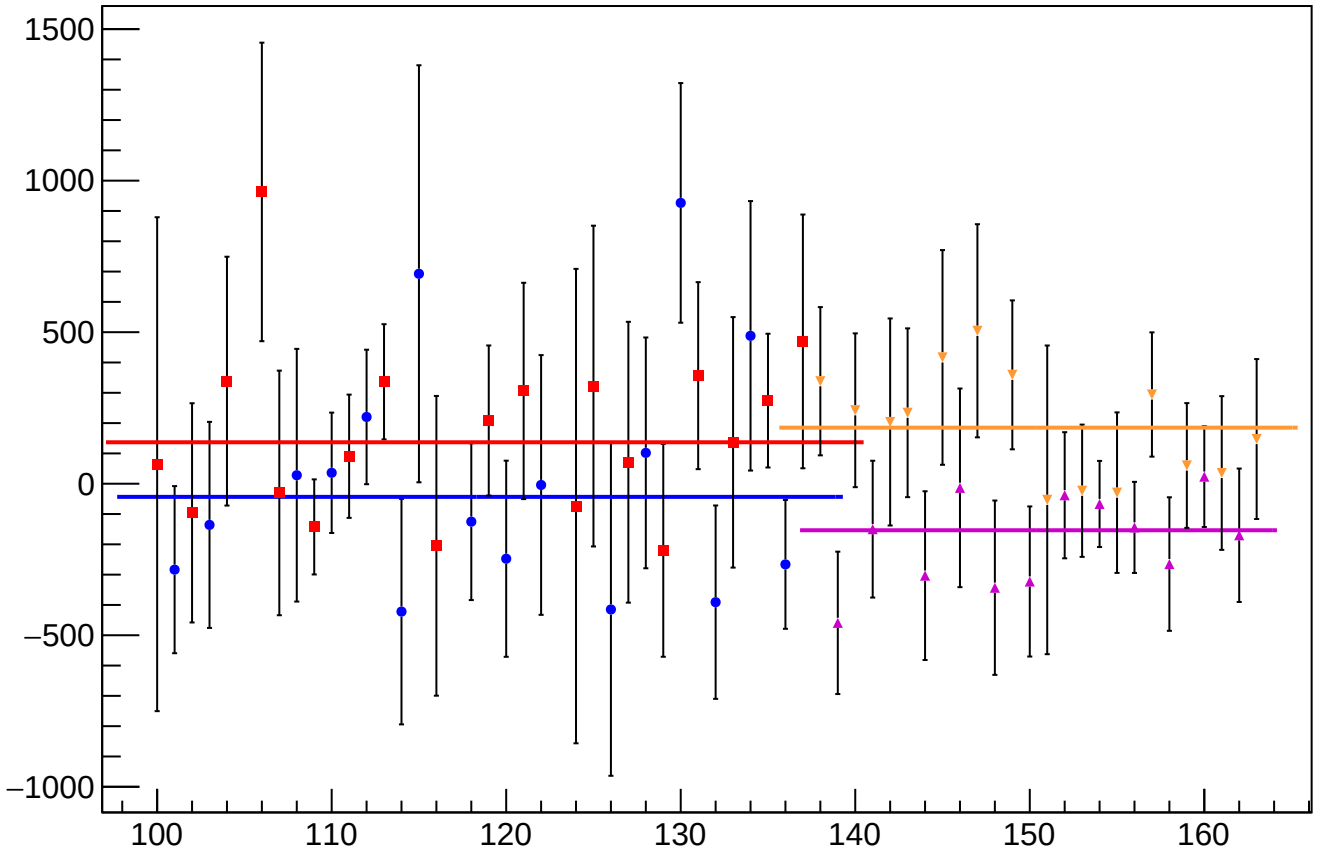
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.266+/-0.004 χ^2/NDF:17645.0/11

+ sign 16.741+/-0.003 χ^2/NDF: 107331.1/29

All: 16.745+/-0.002 χ^2/NDF: 207277.0/60

- sign 16.750+/-0.003 χ^2/NDF: 99941.3/30



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 185.010+/-70.229 χ^2/NDF:5.0/13

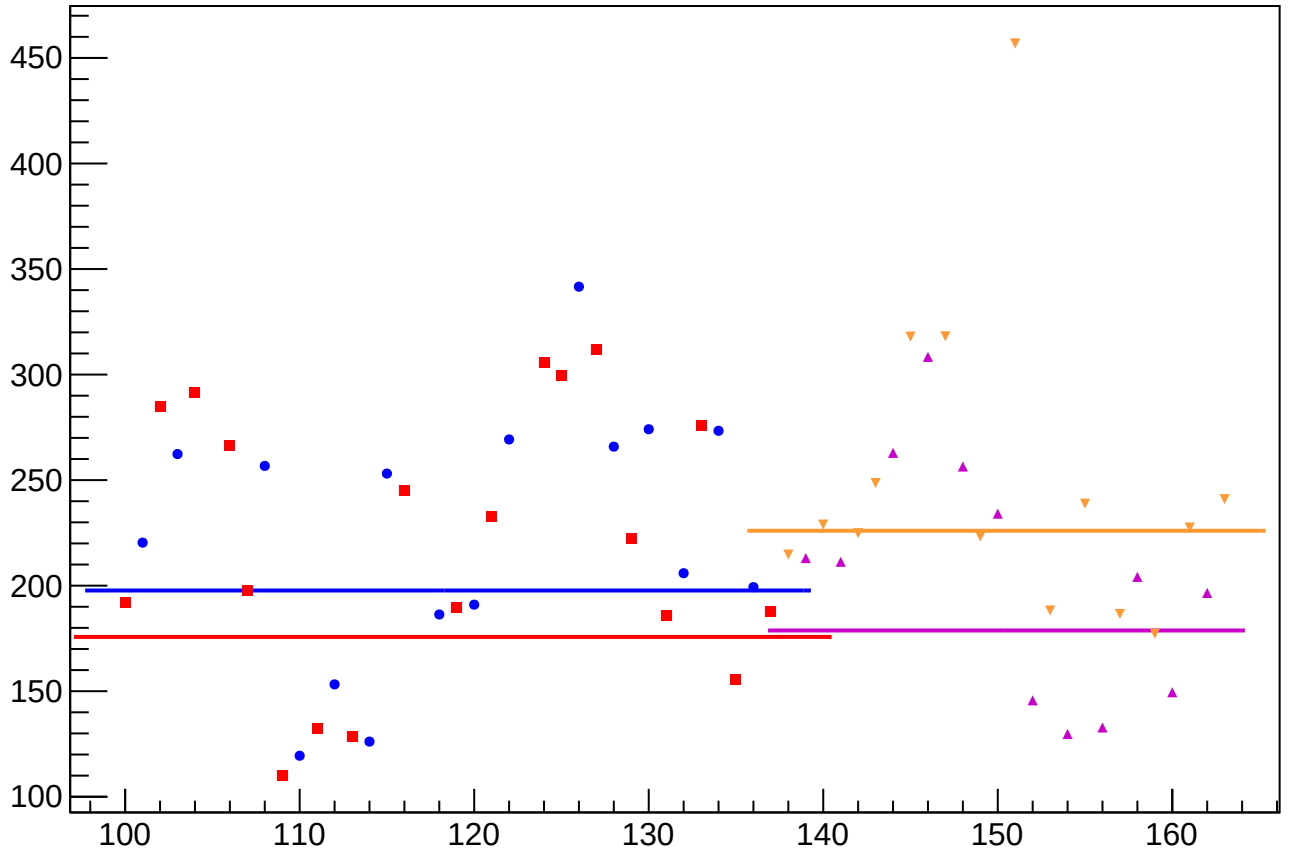
Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: -153.563+/-59.480 χ^2/NDF:5.1/11

+ sign 82.150+/-52.066 χ^2/NDF: 25.3/29

All: 17.675+/-34.135 χ^2/NDF: 54.7/60

- sign -30.928+/-45.206 χ^2/NDF: 26.7/30



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 226.004+/-0.050 χ^2/NDF:958606.3/13

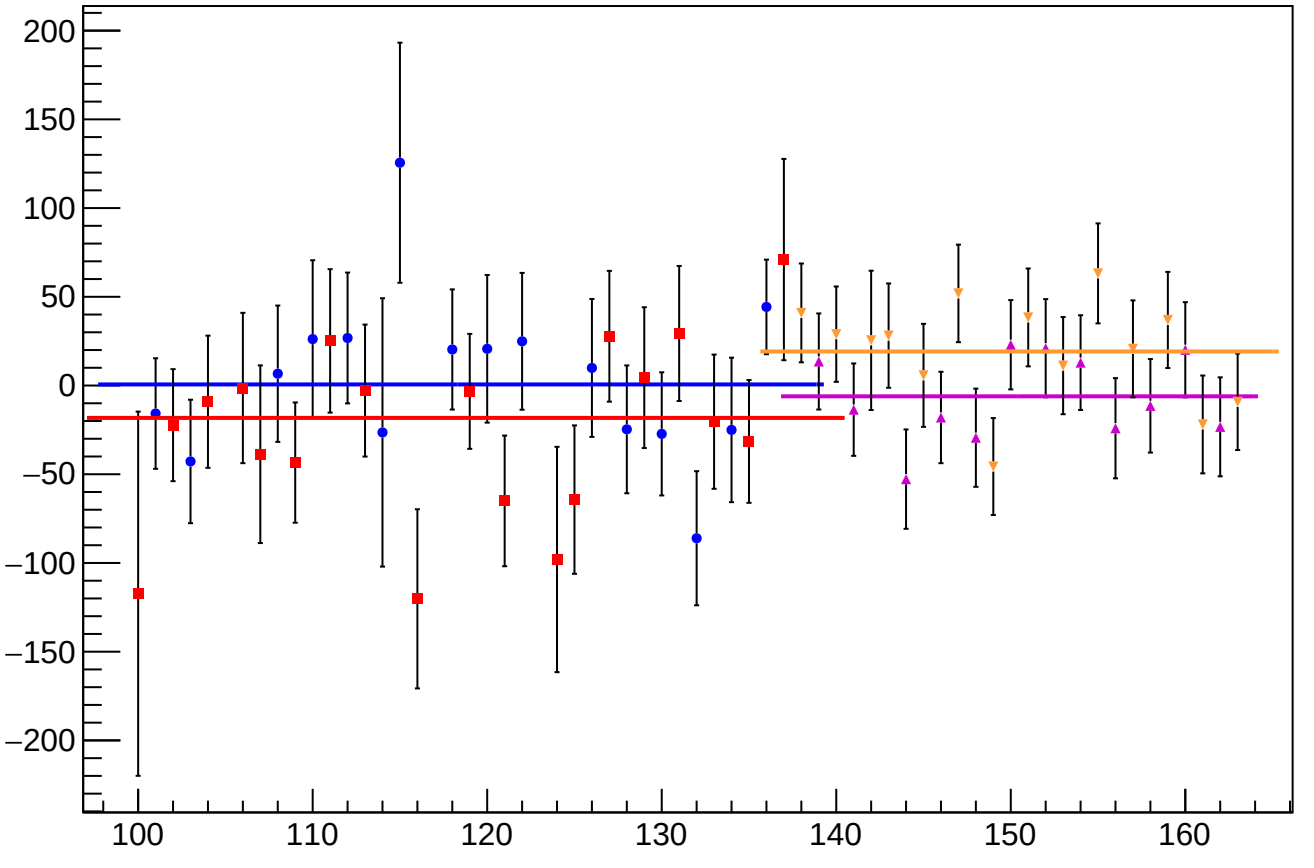
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 178.770+/-0.042 χ^2/NDF:1402920.5/11

+ sign 213.260+/-0.037 χ^2/NDF: 2105165.0/29

All: 192.859+/-0.024 χ^2/NDF: 5639432.4/60

- sign 177.480+/-0.032 χ^2/NDF: 2995707.6/30



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 19.191+/-7.534 χ^2/NDF:14.9/13

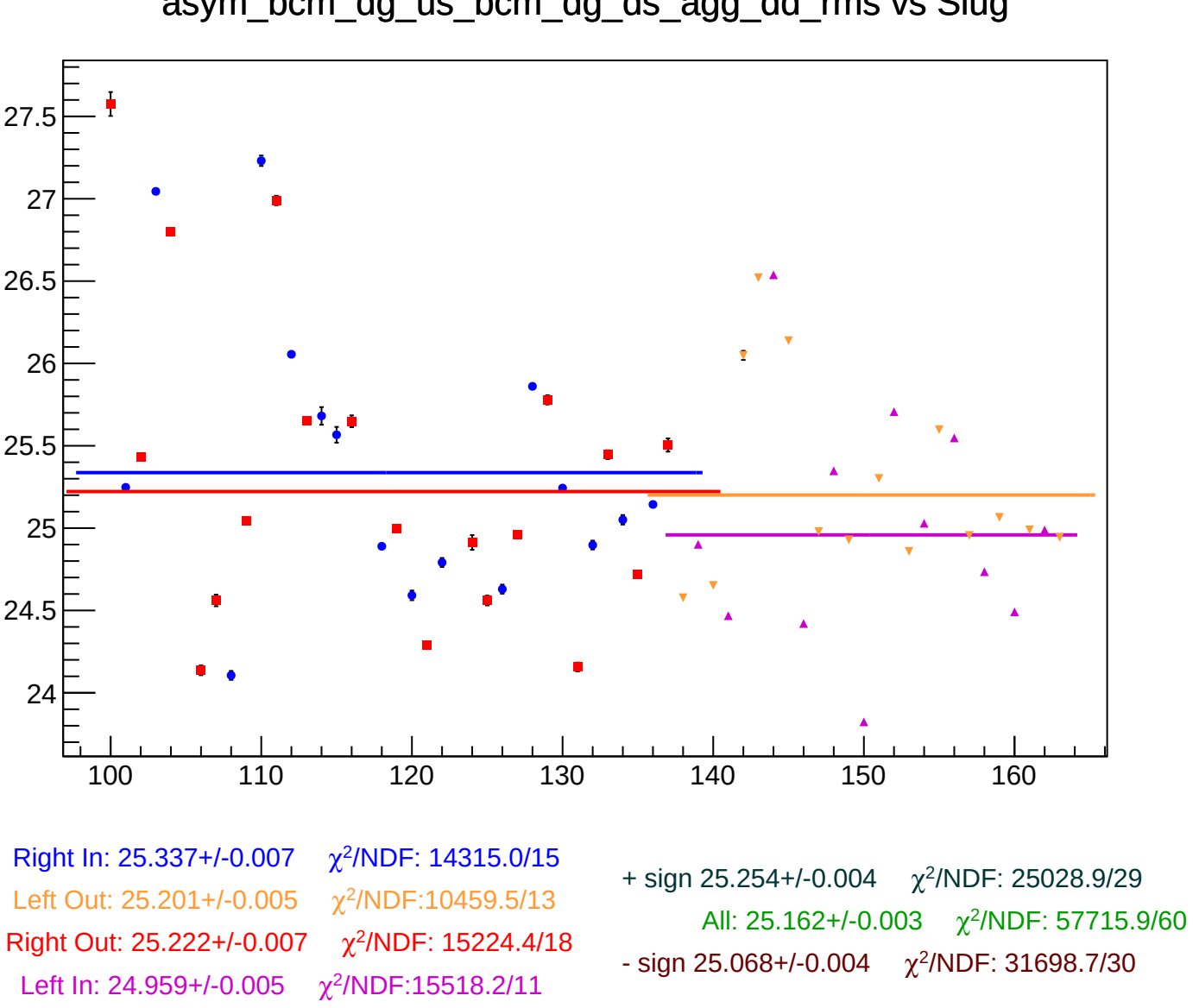
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

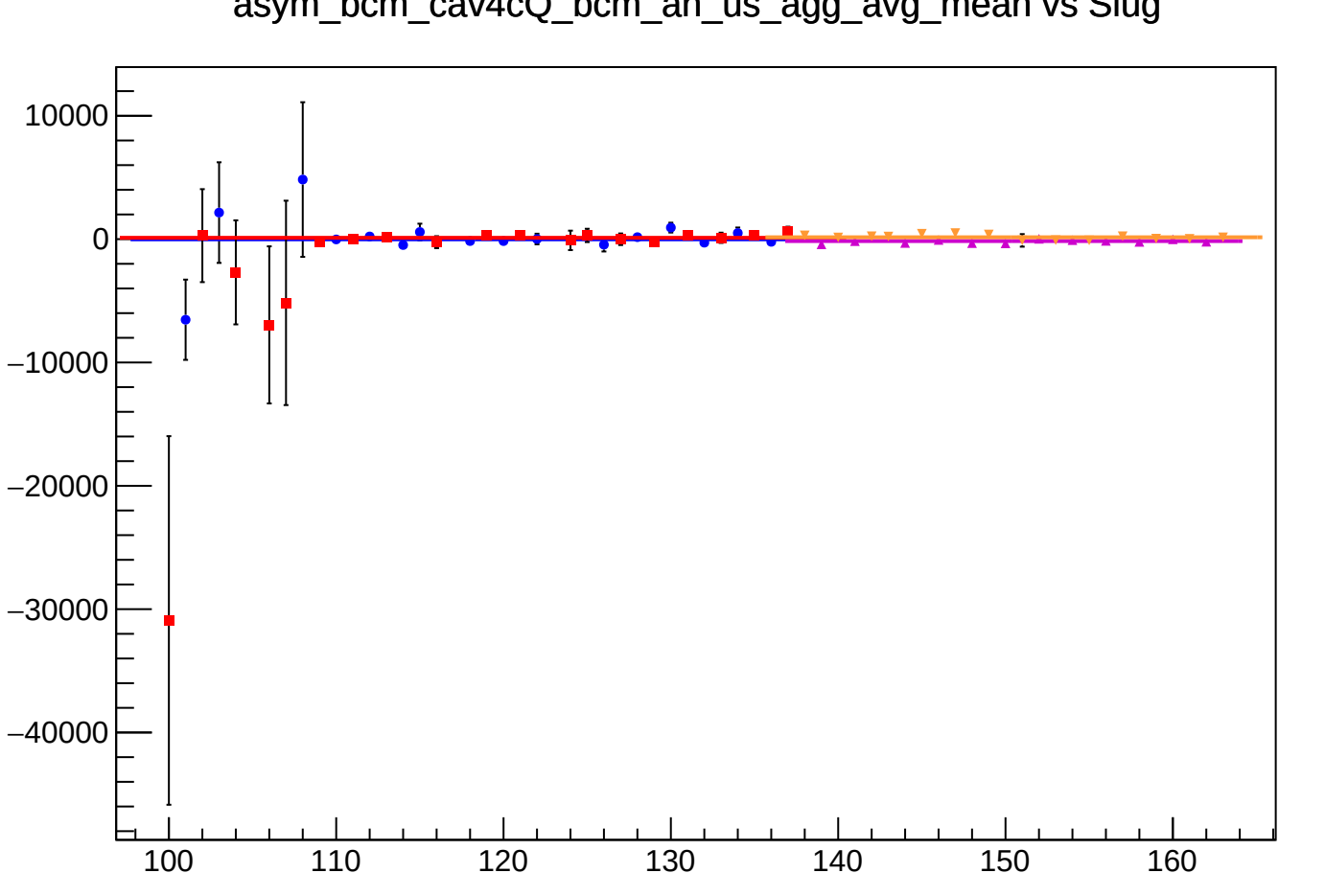
Left In: -6.094+/-7.764 χ^2/NDF:8.9/11

+ sign 11.947+/-5.884 χ^2/NDF: 34.0/29

All: 0.502+/-4.179 χ^2/NDF: 69.5/60

- sign -11.144+/-5.936 χ^2/NDF: 27.9/30


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.201+/-0.005 χ²/NDF:10459.5/13
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 24.959+/-0.005 χ²/NDF:15518.2/11
+ sign 25.254+/-0.004 χ²/NDF: 25028.9/29
All: 25.162+/-0.003 χ²/NDF: 57715.9/60
- sign 25.068+/-0.004 χ²/NDF: 31698.7/30



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 151.451+/-71.388 χ^2/NDF:5.6/13

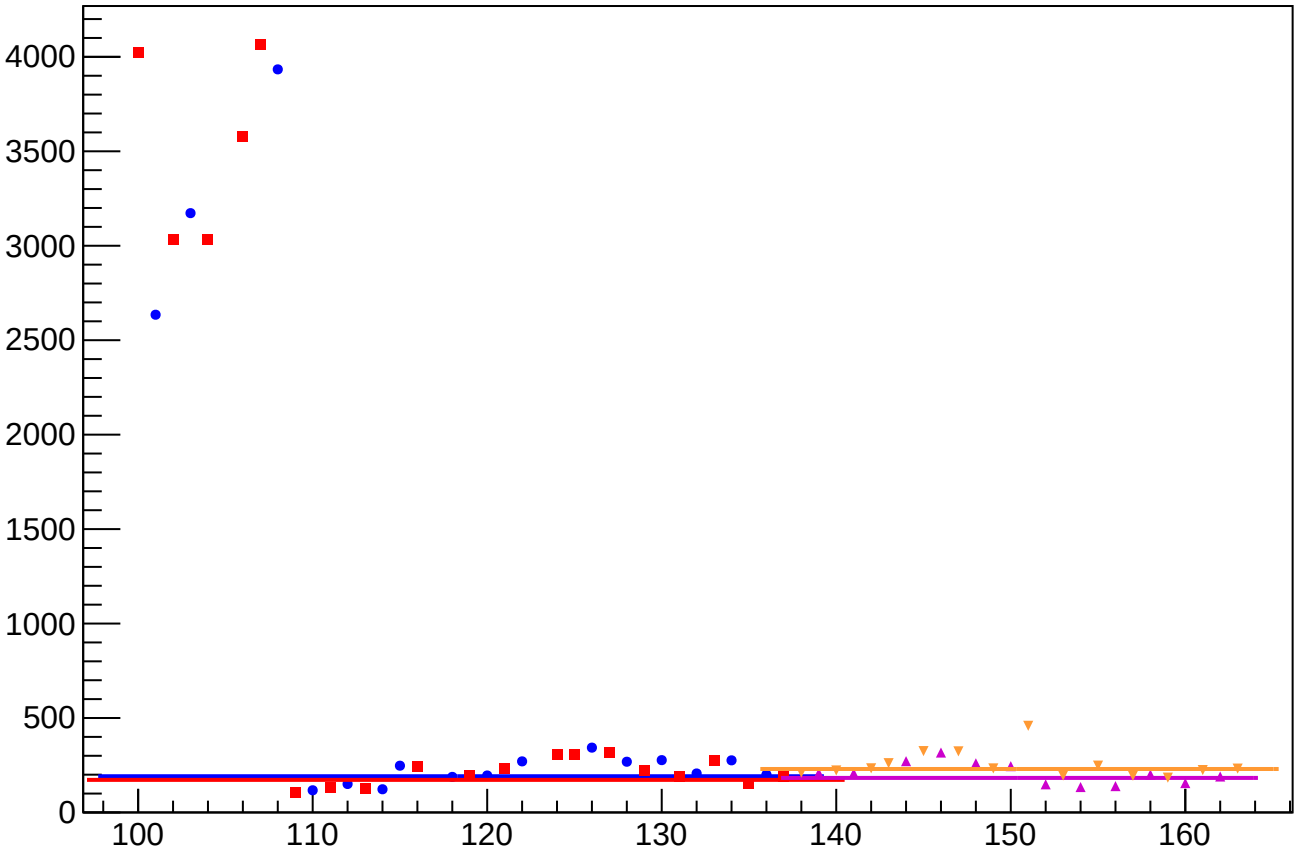
Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: -155.316+/-60.636 χ^2/NDF:4.3/11

+ sign 82.132+/-54.586 χ^2/NDF: 26.2/29

All: 4.099+/-36.001 χ^2/NDF: 55.3/60

- sign -55.975+/-47.895 χ^2/NDF: 25.5/30



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 230.108+/-0.050 χ^2/NDF:919063.5/13

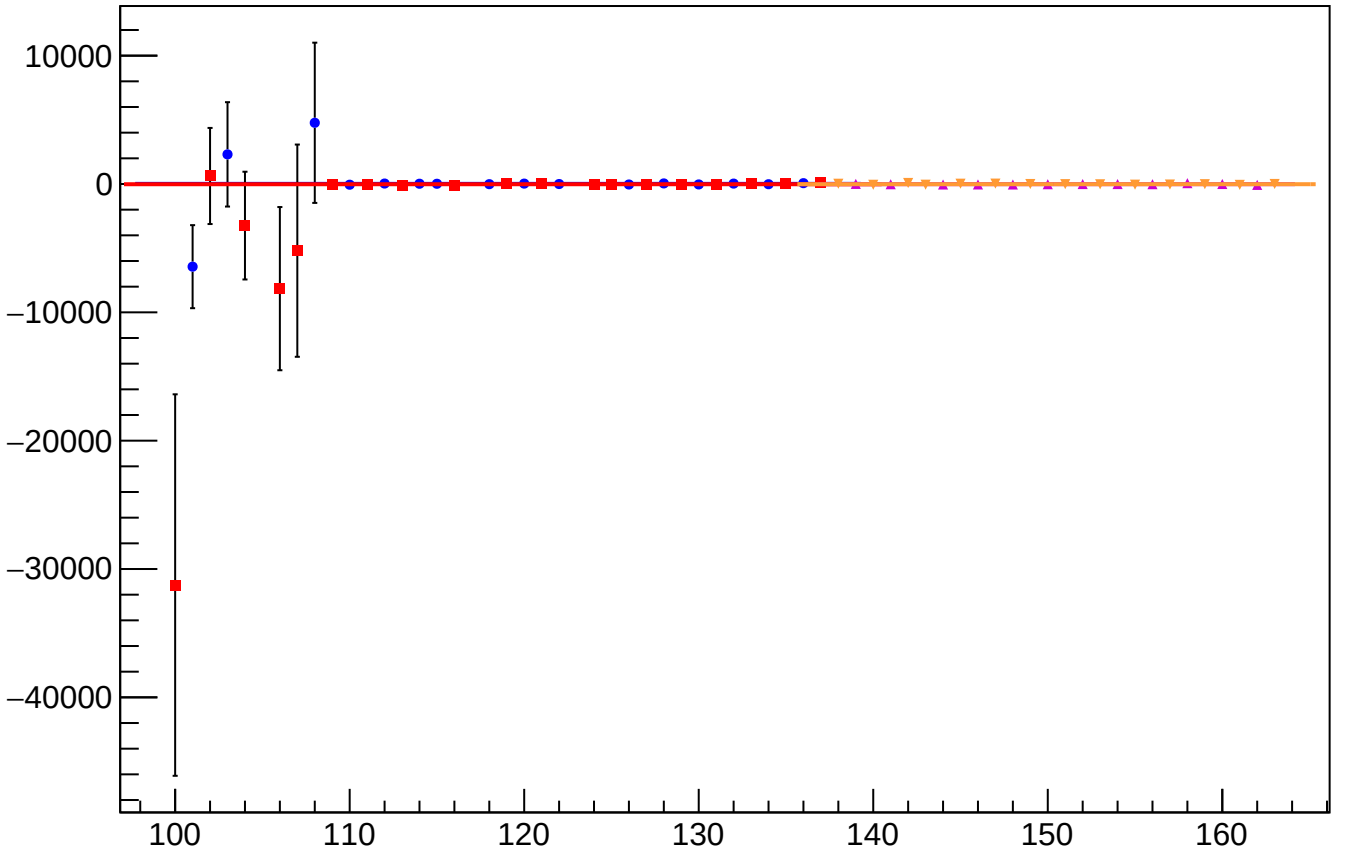
Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.840+/-0.043 χ^2/NDF:1298287.1/11

+ sign 214.171+/-0.039 χ^2/NDF: 4980860.4/29

All: 194.263+/-0.025 χ^2/NDF: 11075111.7/60

- sign 178.937+/-0.034 χ^2/NDF: 5623450.0/30



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.766+/-8.752 χ^2/NDF:17.6/13

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

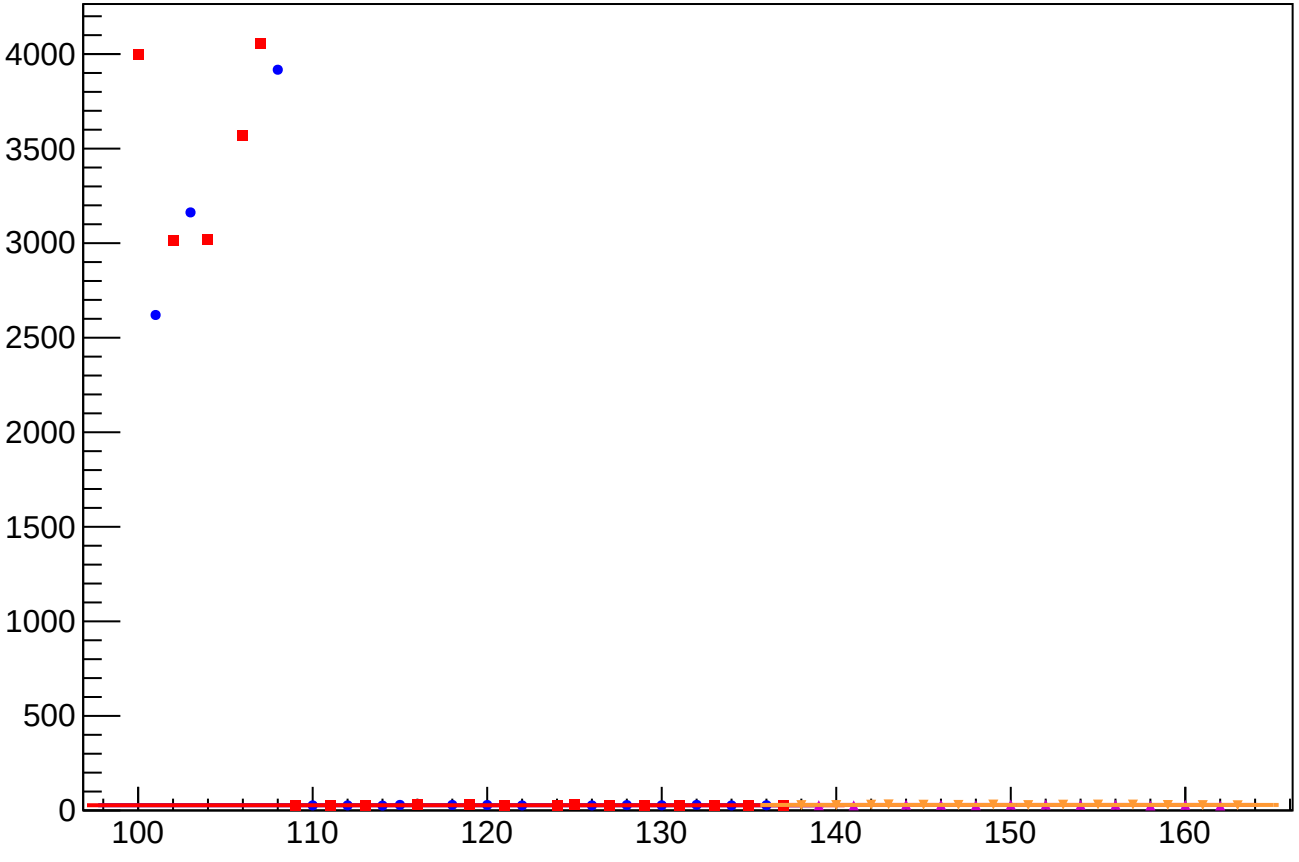
Left In: -11.927+/-9.104 χ^2/NDF:13.8/11

+ sign -6.658+/-7.005 χ^2/NDF: 36.6/29

All: -10.336+/-5.024 χ^2/NDF: 75.9/60

- sign -14.231+/-7.209 χ^2/NDF: 38.8/30

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: 29.212+/-0.006 χ^2/NDF:51626.0/13

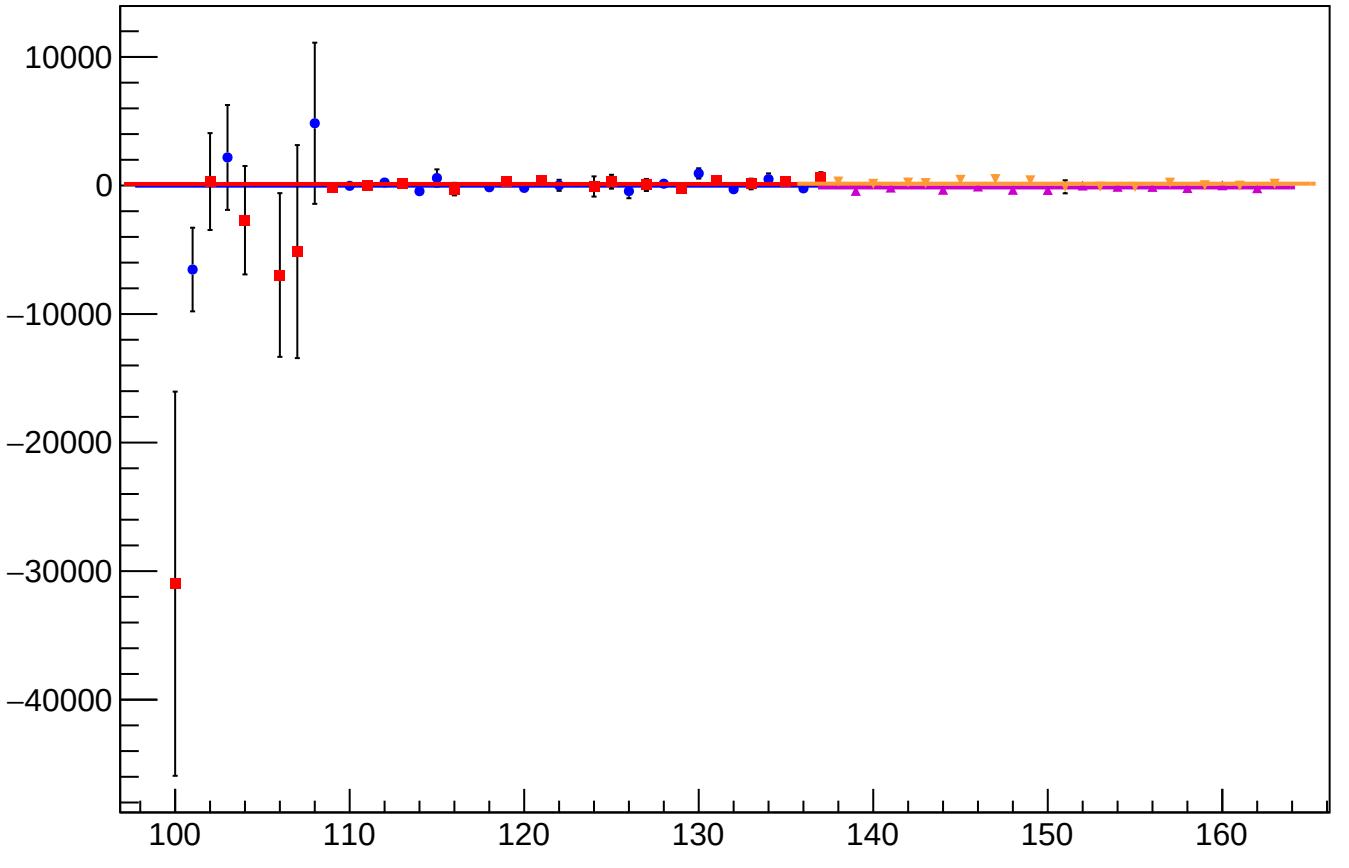
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.179+/-0.006 χ^2/NDF:84545.9/11

+ sign 28.648+/-0.005 χ^2/NDF: 3340267.7/29

All: 28.608+/-0.004 χ^2/NDF: 7004509.7/60

- sign 28.566+/-0.005 χ^2/NDF: 3664109.3/30



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 142.219+/-71.234 χ^2/NDF:6.2/13

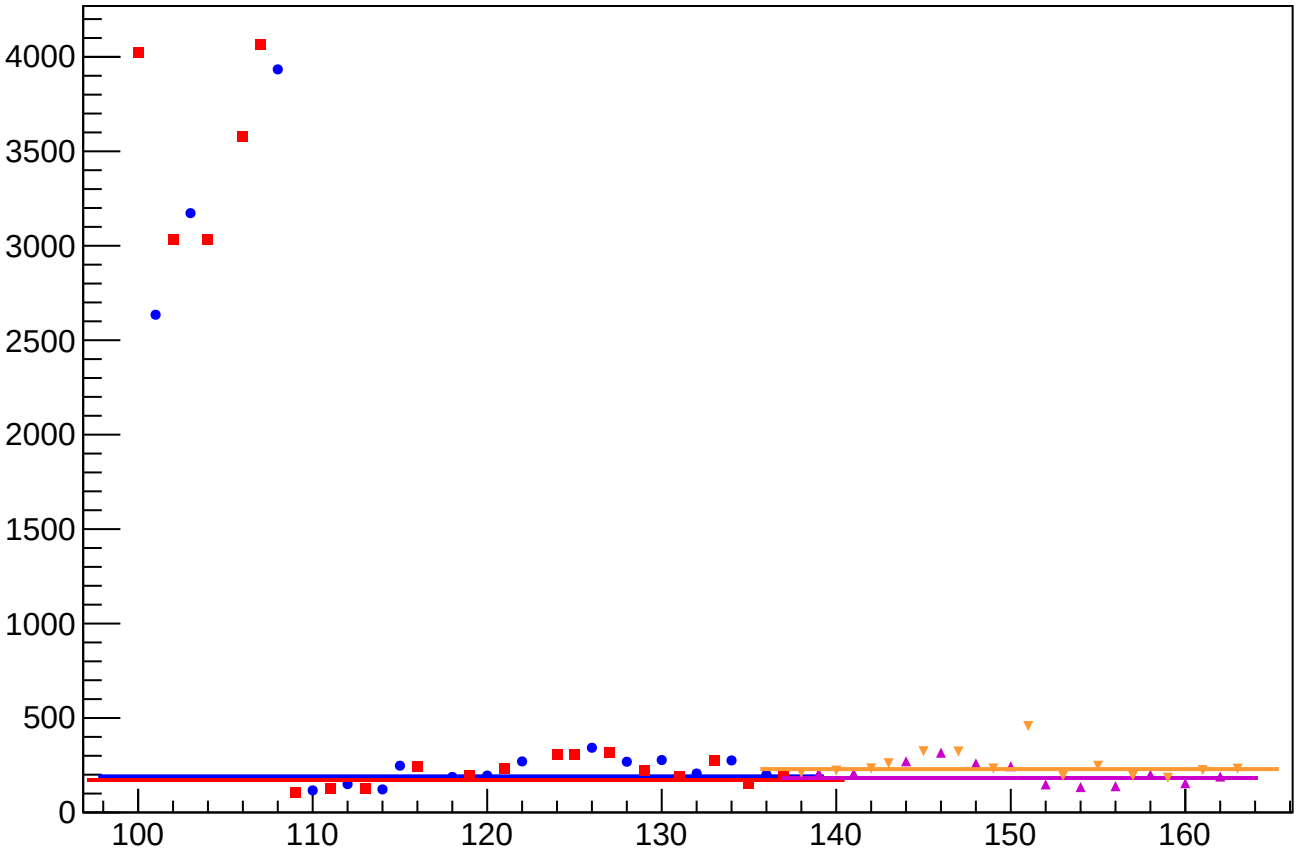
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -151.824+/-60.522 χ^2/NDF:4.6/11

+ sign 77.629+/-54.451 χ^2/NDF: 26.5/29

All: 5.426+/-35.916 χ^2/NDF: 56.1/60

- sign -50.177+/-47.784 χ^2/NDF: 26.5/30



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 229.614+/-0.050 χ^2/NDF:918990.2/13

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

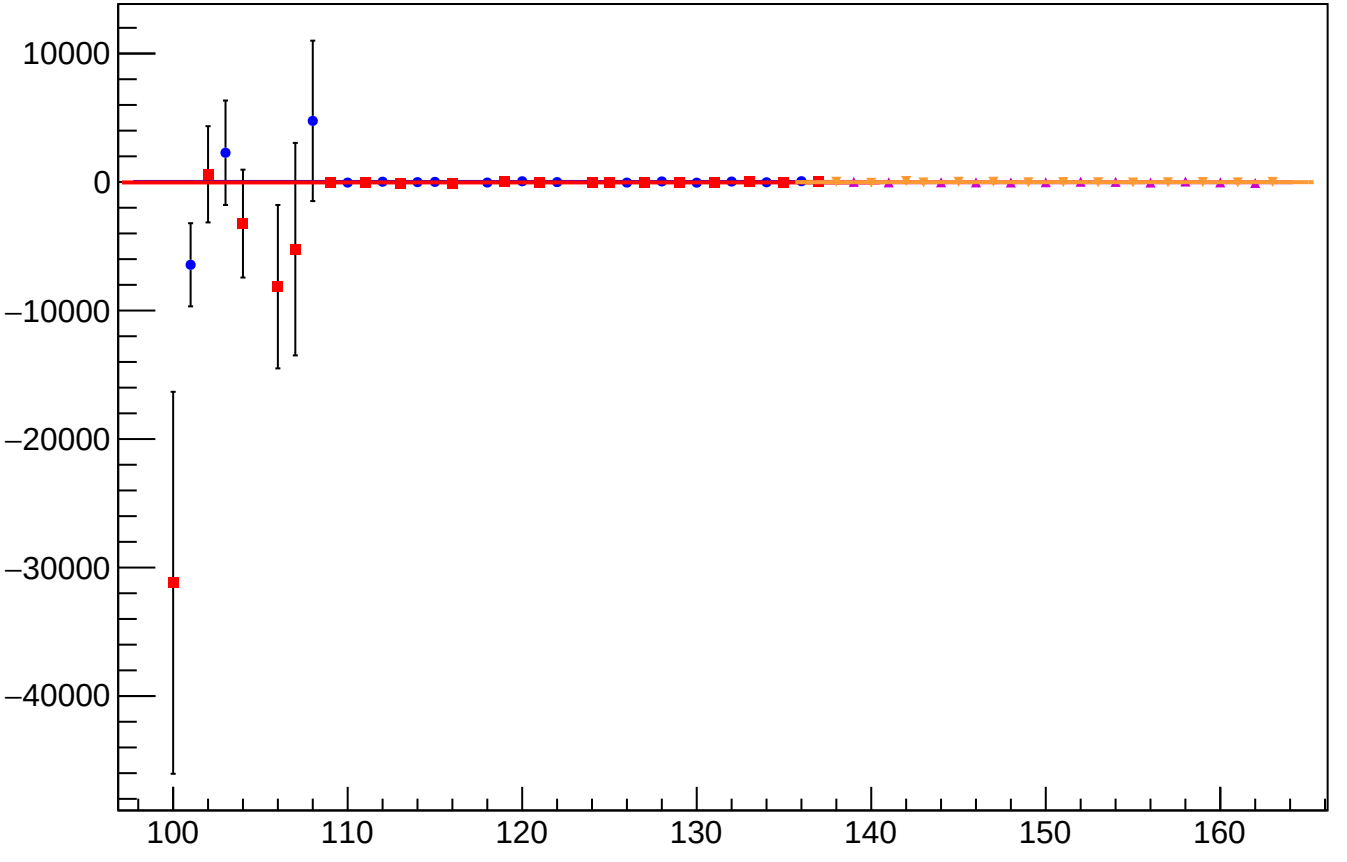
Left In: 182.499+/-0.043 χ^2/NDF:1298314.7/11

+ sign 213.591+/-0.039 χ^2/NDF: 4996358.6/29

All: 193.757+/-0.025 χ^2/NDF: 11102505.5/60

- sign 178.483+/-0.034 χ^2/NDF: 5636423.6/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.360+/-8.826 χ^2/NDF:11.1/13

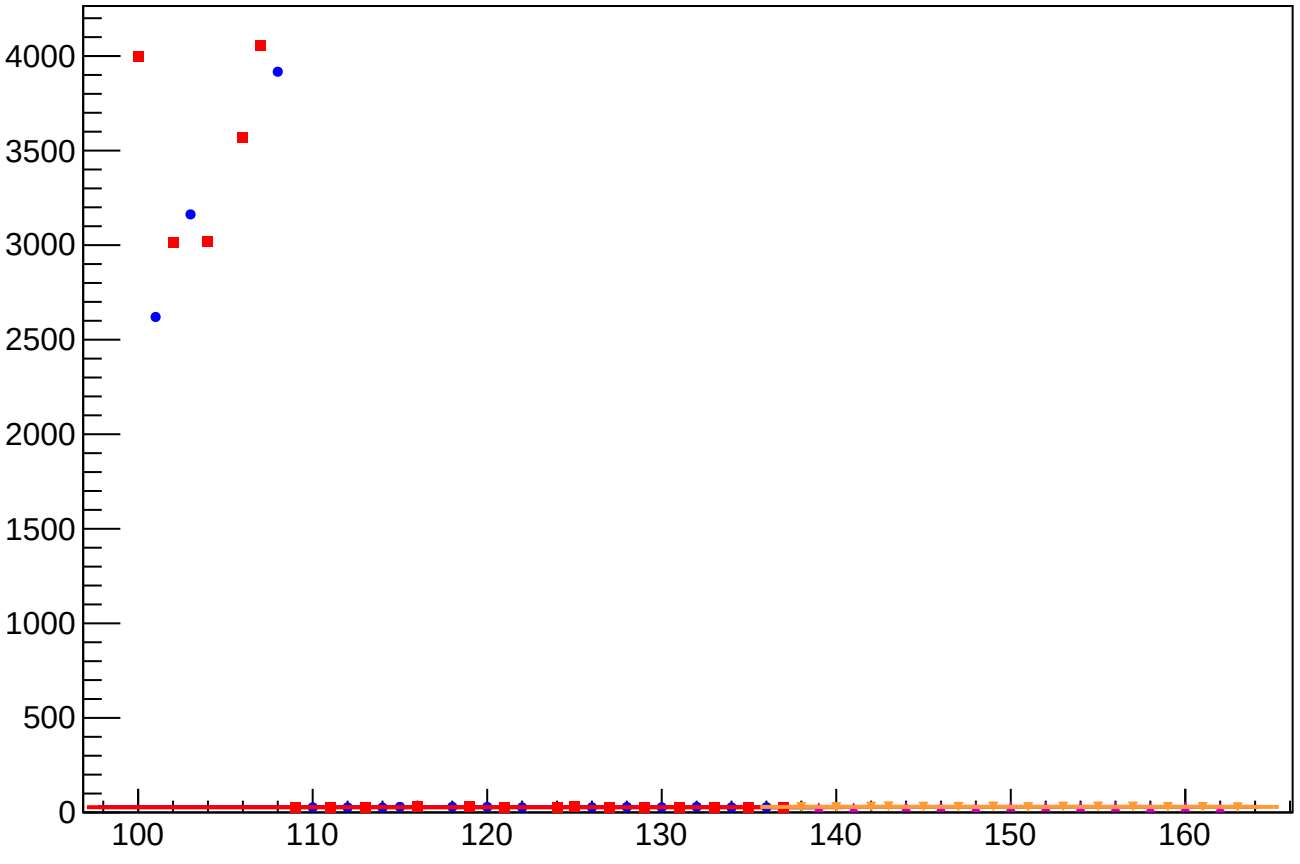
Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: -11.765+/-9.163 χ^2/NDF:12.1/11

+ sign -3.652+/-7.060 χ^2/NDF: 30.6/29

All: -11.067+/-5.061 χ^2/NDF: 66.5/60

- sign -18.909+/-7.260 χ^2/NDF: 33.6/30



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.455+/-0.006 χ^2/NDF:52955.1/13

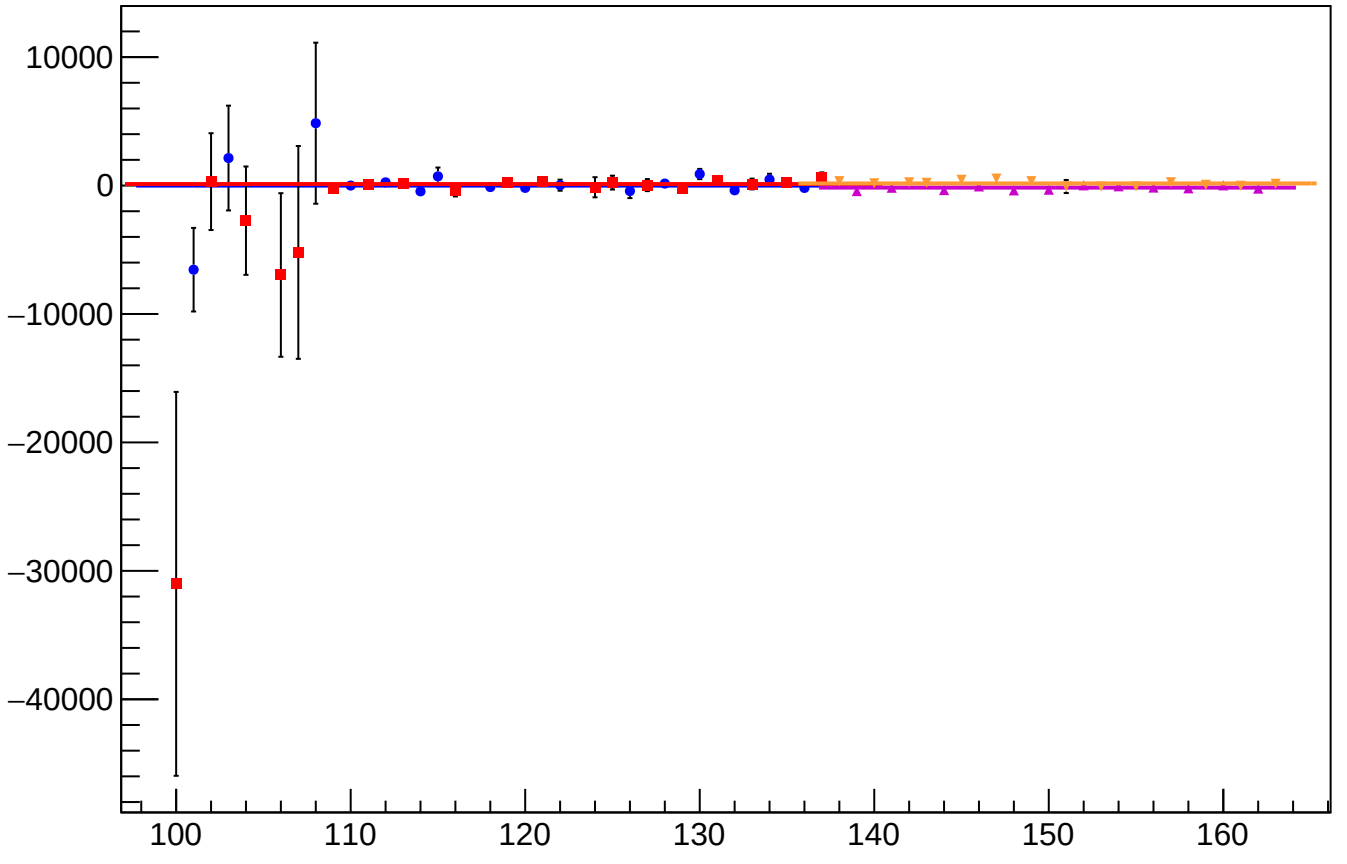
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.371+/-0.006 χ^2/NDF:85215.1/11

+ sign 28.868+/-0.005 χ^2/NDF: 3343433.6/29

All: 28.820+/-0.004 χ^2/NDF: 7010718.1/60

- sign 28.769+/-0.005 χ^2/NDF: 3667093.8/30



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 163.240+/-71.949 χ^2/NDF:5.8/13

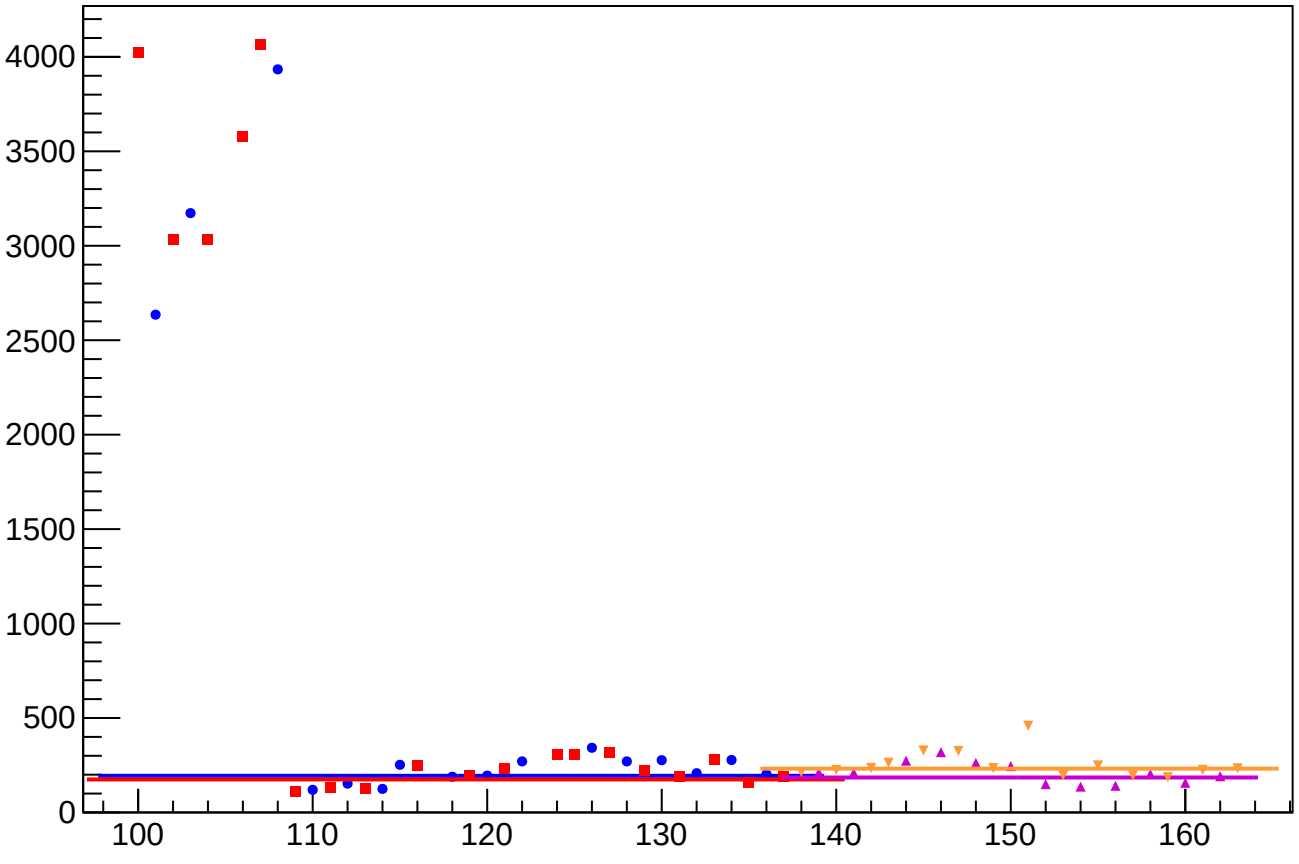
Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: -160.815+/-61.303 χ^2/NDF:5.2/11

+ sign 94.415+/-55.053 χ^2/NDF: 26.2/29

All: 9.160+/-36.359 χ^2/NDF: 57.1/60

- sign -56.791+/-48.421 χ^2/NDF: 26.6/30



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 232.038+/-0.051 χ^2/NDF:908951.5/13

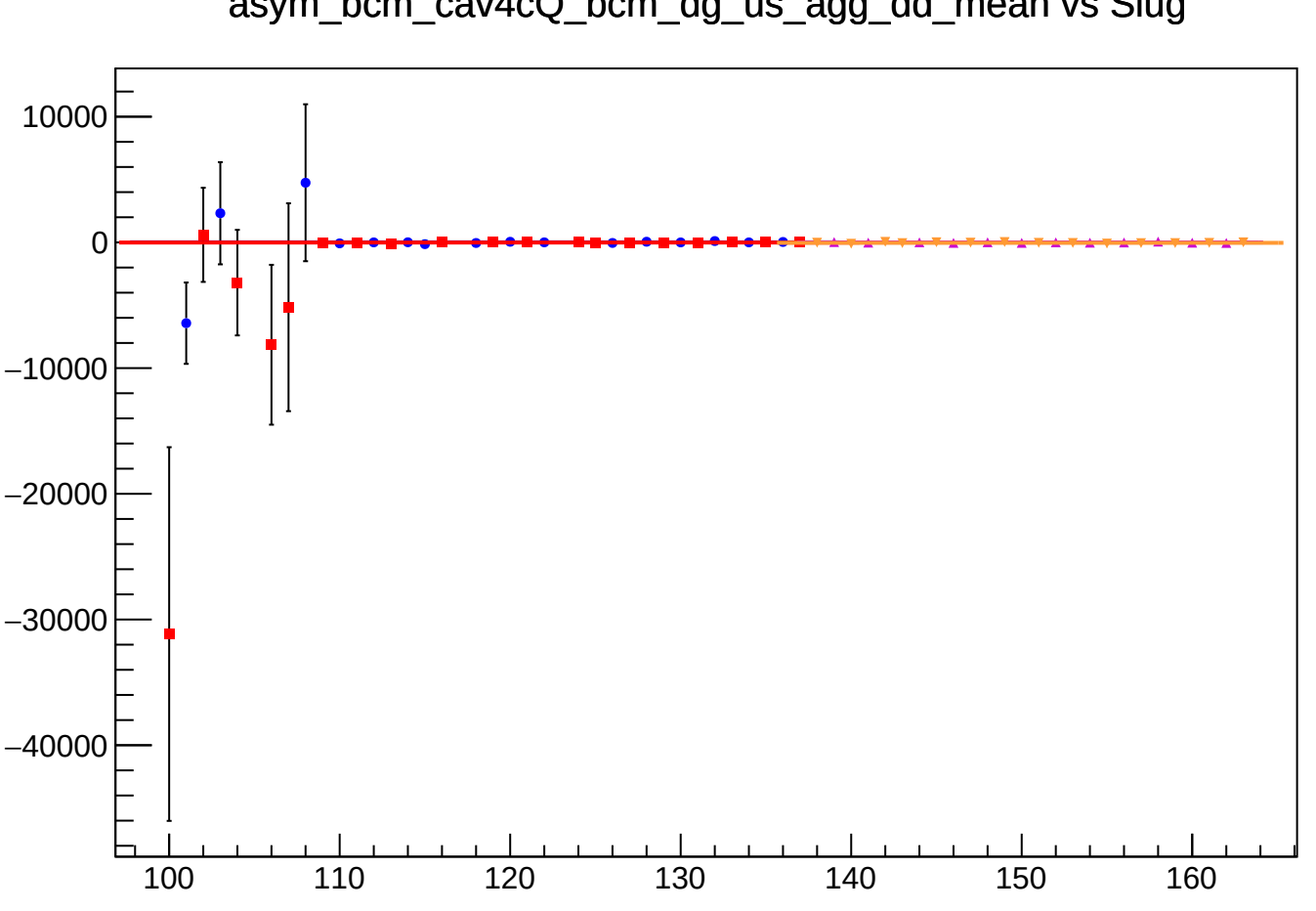
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 185.057+/-0.043 χ^2/NDF:1274030.2/11

+ sign 216.248+/-0.039 χ^2/NDF: 4925787.5/29

All: 196.482+/-0.026 χ^2/NDF: 10937546.1/60

- sign 181.191+/-0.034 χ^2/NDF: 5554495.7/30



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -35.109+/-10.398 χ^2/NDF:14.4/13

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

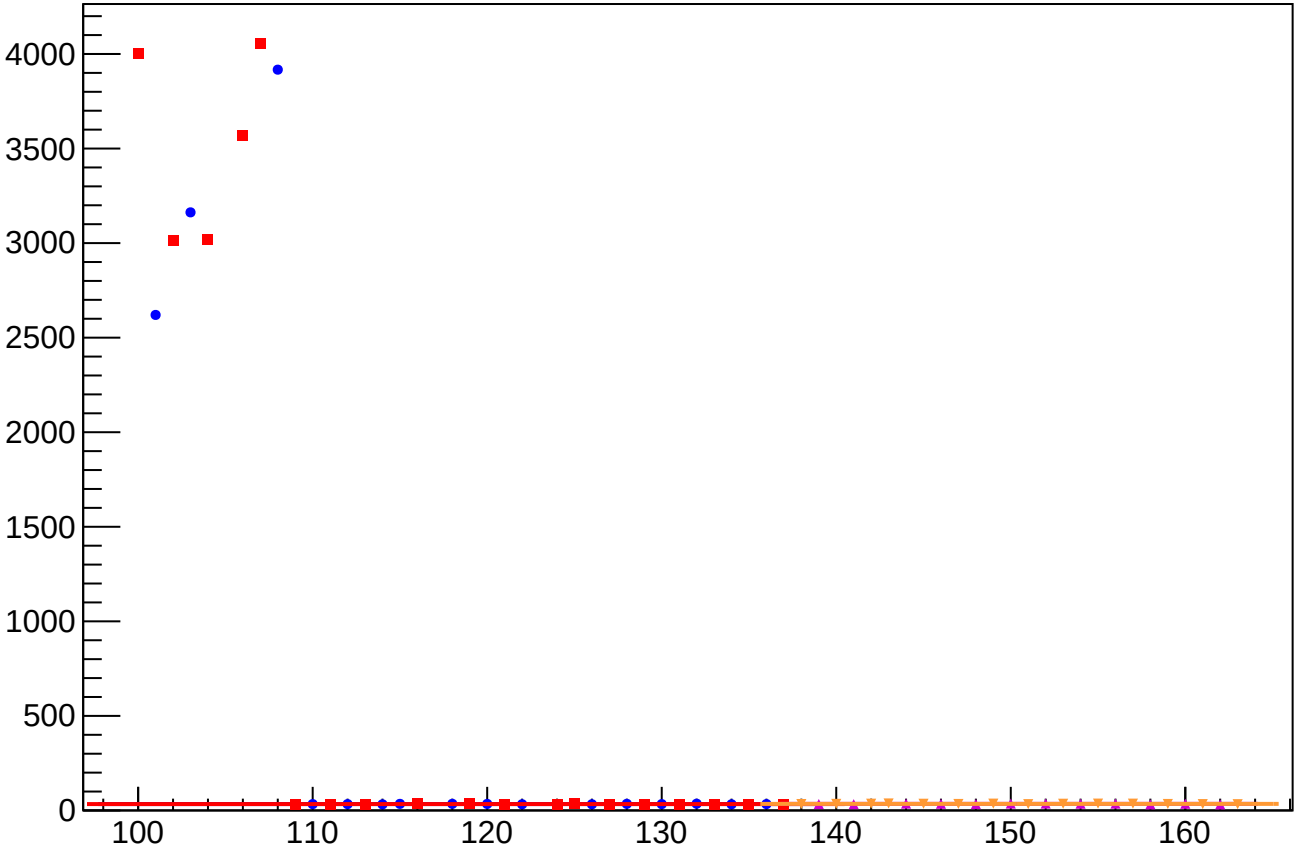
Left In: -2.895+/-10.827 χ^2/NDF:7.8/11

+ sign -21.016+/-8.411 χ^2/NDF: 37.2/29

All: -13.463+/-6.034 χ^2/NDF: 70.2/60

- sign -5.455+/-8.661 χ^2/NDF: 31.4/30

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: 34.756+/-0.007 χ^2/NDF:24900.3/13

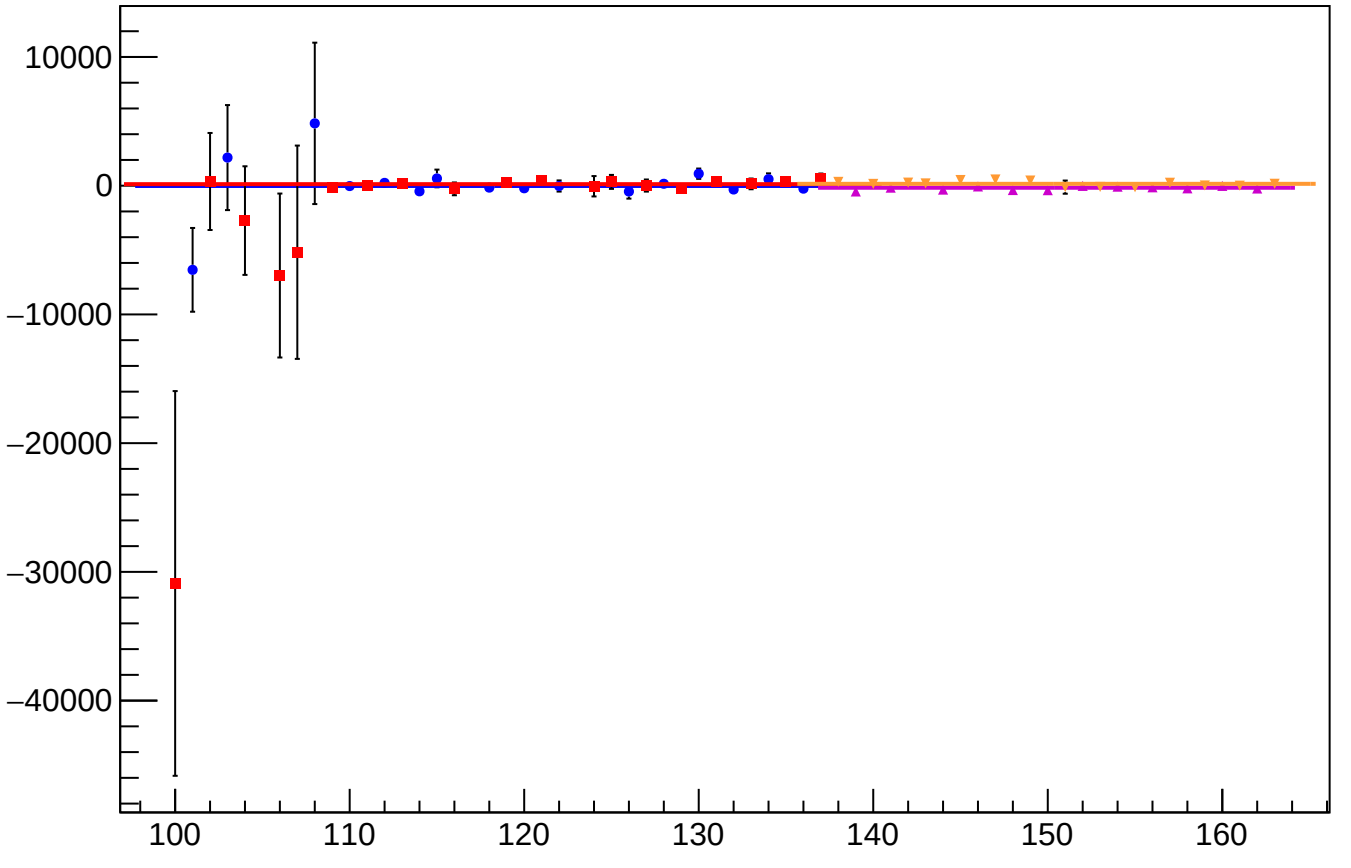
Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.779+/-0.008 χ^2/NDF:35427.4/11

+ sign 34.460+/-0.006 χ^2/NDF: 3273978.4/29

All: 34.431+/-0.004 χ^2/NDF: 6842727.5/60

- sign 34.400+/-0.006 χ^2/NDF: 3568698.9/30



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 145.527+/-71.760 χ^2/NDF:6.1/13

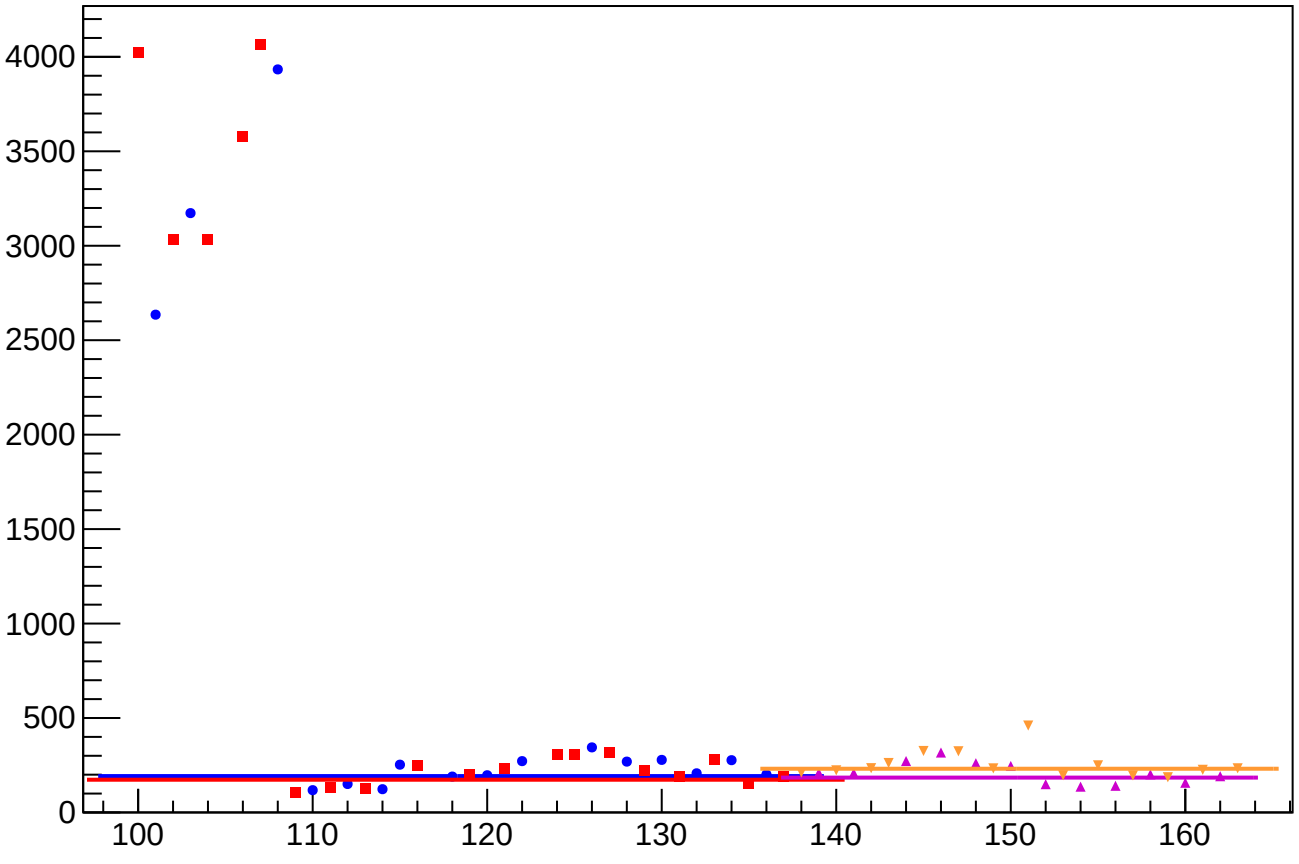
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -159.039+/-61.109 χ^2/NDF:4.4/11

+ sign 76.903+/-54.849 χ^2/NDF: 26.5/29

All: 3.221+/-36.211 χ^2/NDF: 55.3/60

- sign -53.704+/-48.210 χ^2/NDF: 25.6/30



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.427+/-0.051 χ^2/NDF:904437.4/13

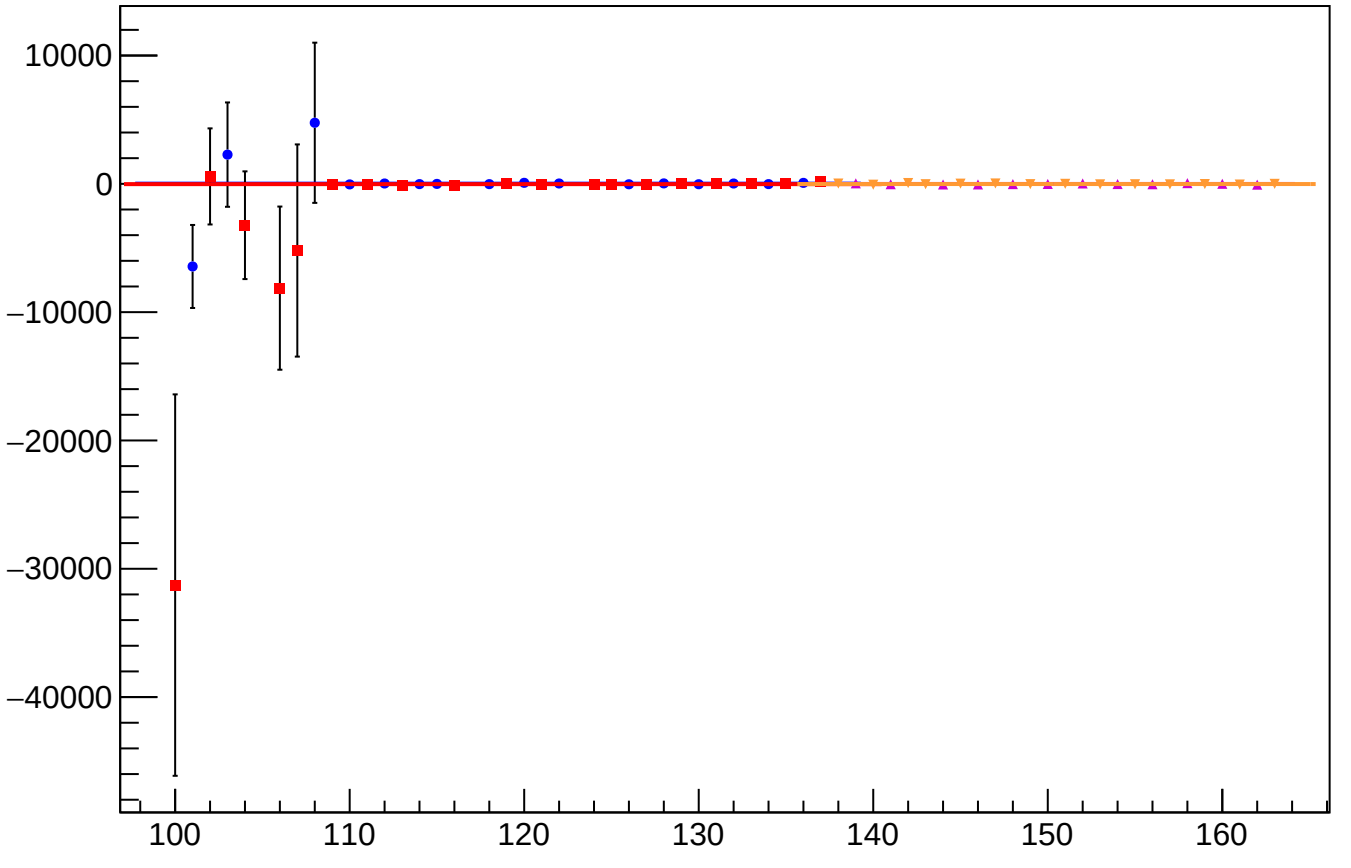
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.490+/-0.043 χ^2/NDF:1259588.0/11

+ sign 215.267+/-0.039 χ^2/NDF: 4971175.8/29

All: 195.510+/-0.026 χ^2/NDF: 11023744.9/60

- sign 180.246+/-0.034 χ^2/NDF: 5592565.2/30



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.823+/-9.439 χ^2/NDF:11.6/13

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

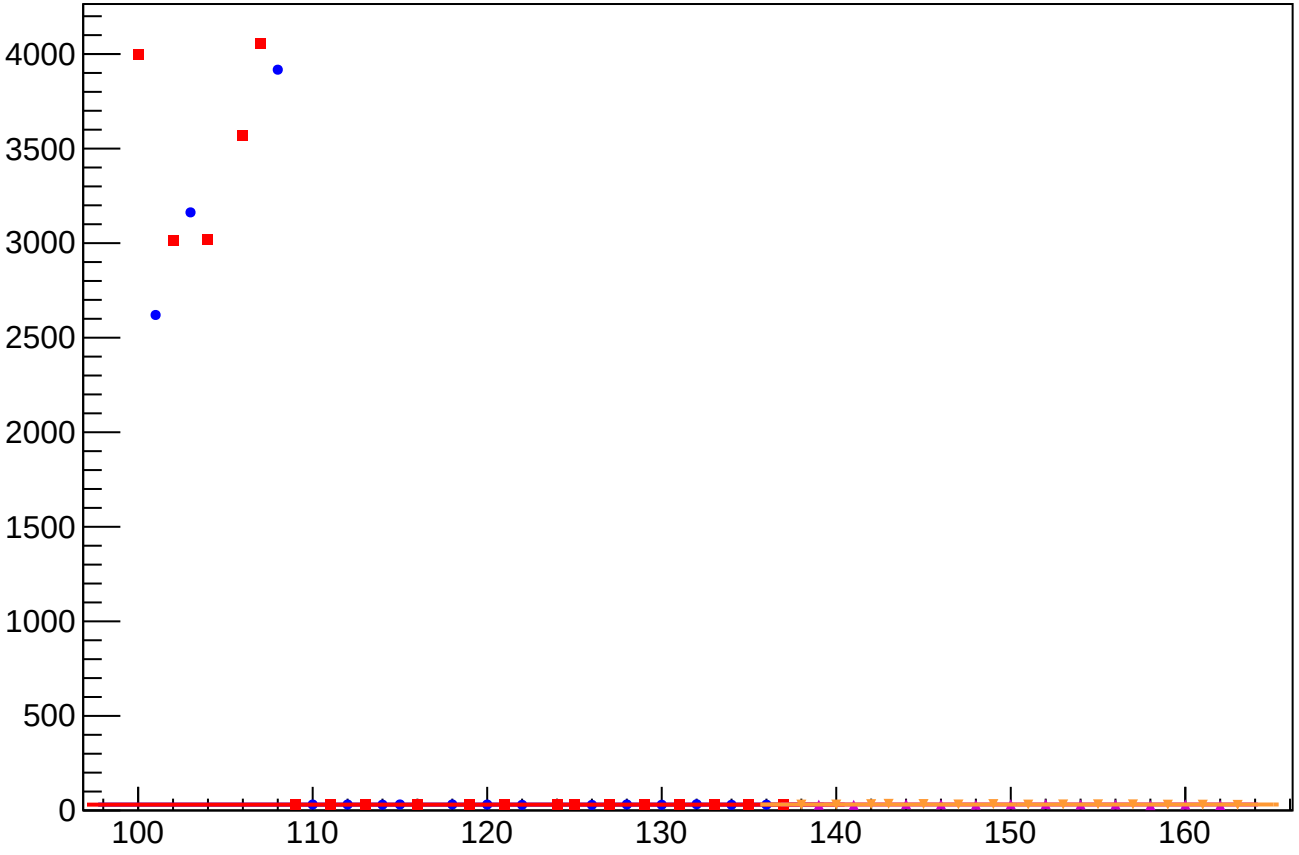
Left In: -9.027+/-9.820 χ^2/NDF:13.7/11

+ sign -5.691+/-7.650 χ^2/NDF: 30.4/29

All: -9.772+/-5.487 χ^2/NDF: 74.1/60

- sign -14.096+/-7.875 χ^2/NDF: 43.1/30

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: 31.518+/-0.007 χ^2/NDF:46484.0/13

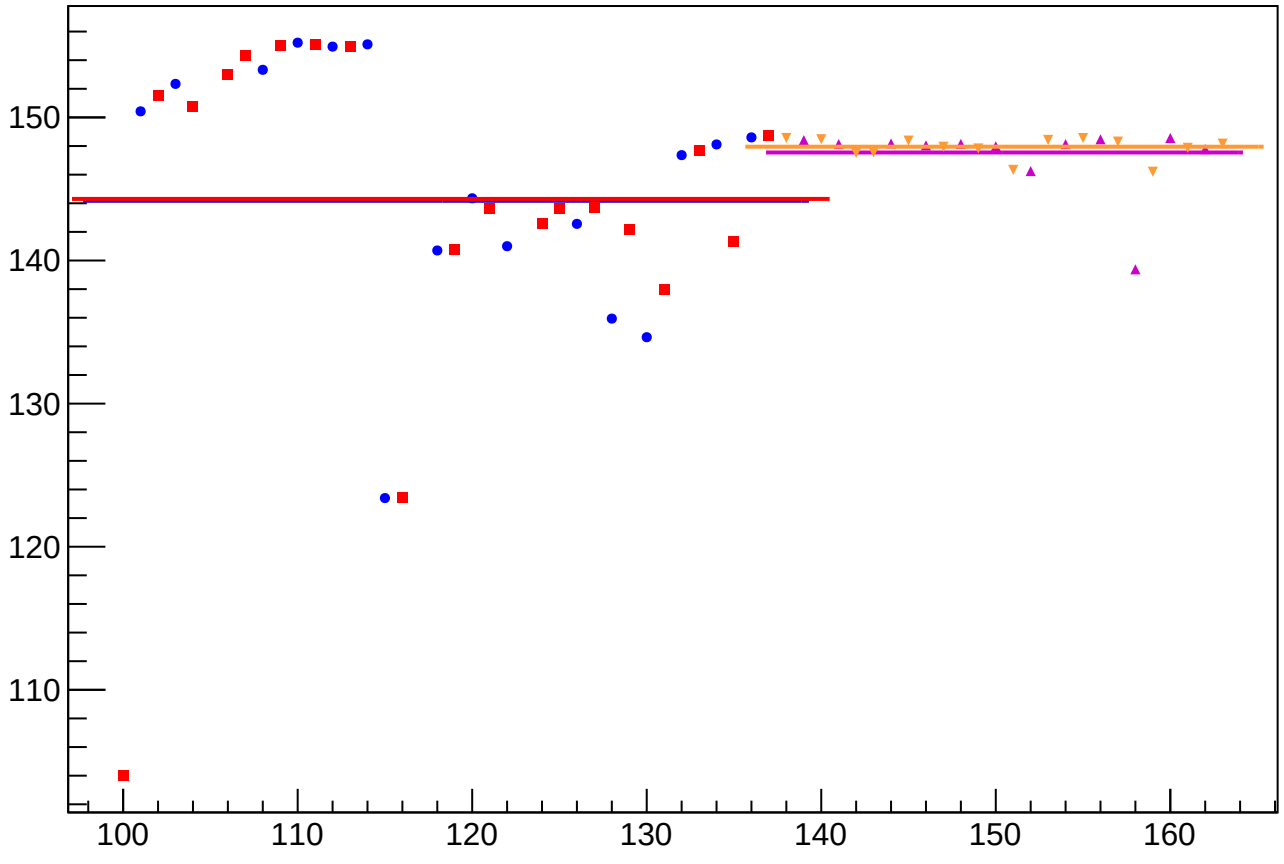
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.496+/-0.007 χ^2/NDF:63465.9/11

+ sign 31.316+/-0.005 χ^2/NDF: 3301769.7/29

All: 31.279+/-0.004 χ^2/NDF: 6905390.5/60

- sign 31.239+/-0.006 χ^2/NDF: 3603523.1/30



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

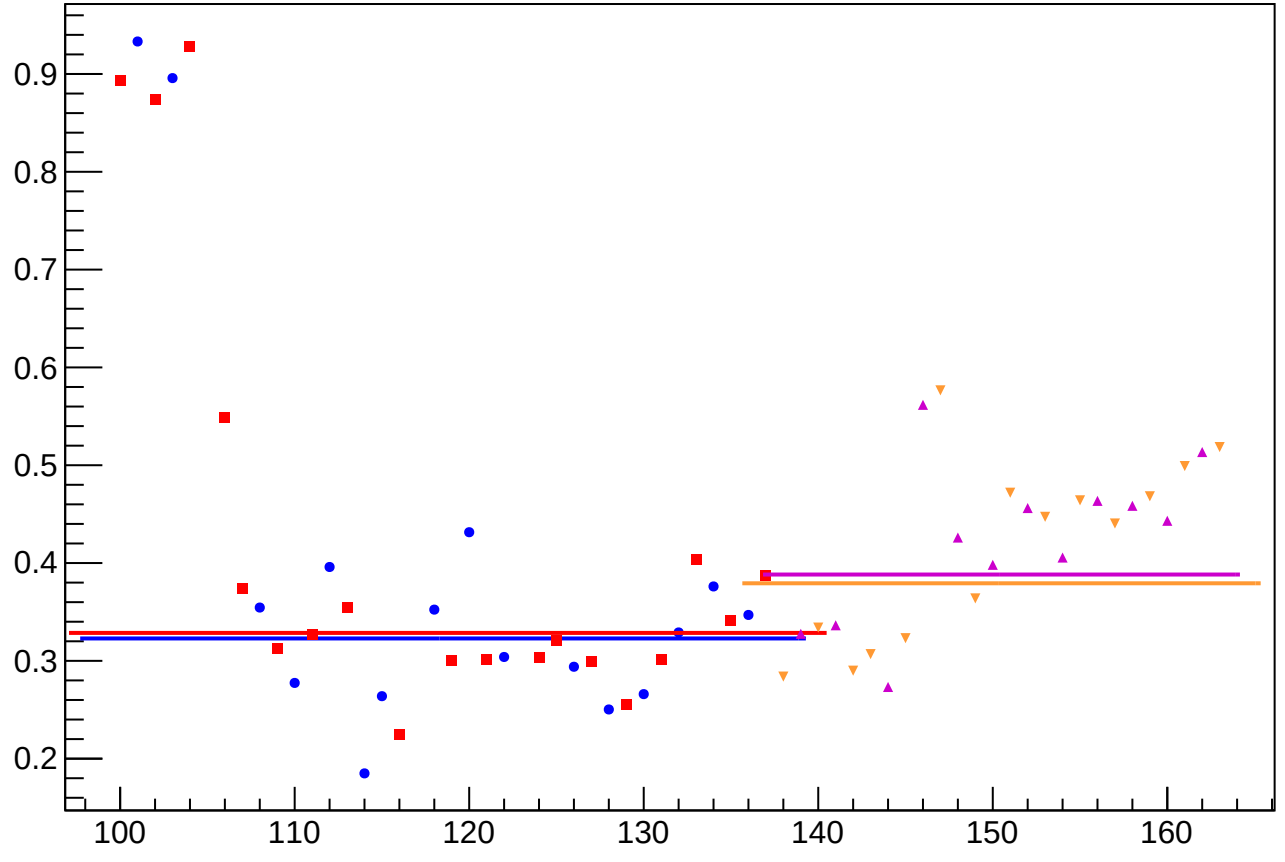
Left In: 147.550+/-0.000 χ^2/NDF:284323559.5/11

+ sign 146.268+/-0.000 χ^2/NDF: 4208291092.1/29

All: 146.145+/-0.000 χ^2/NDF: 9074375577.7

- sign 146.014+/-0.000 χ^2/NDF: 4862119756.3/30

yield_bcm_target_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

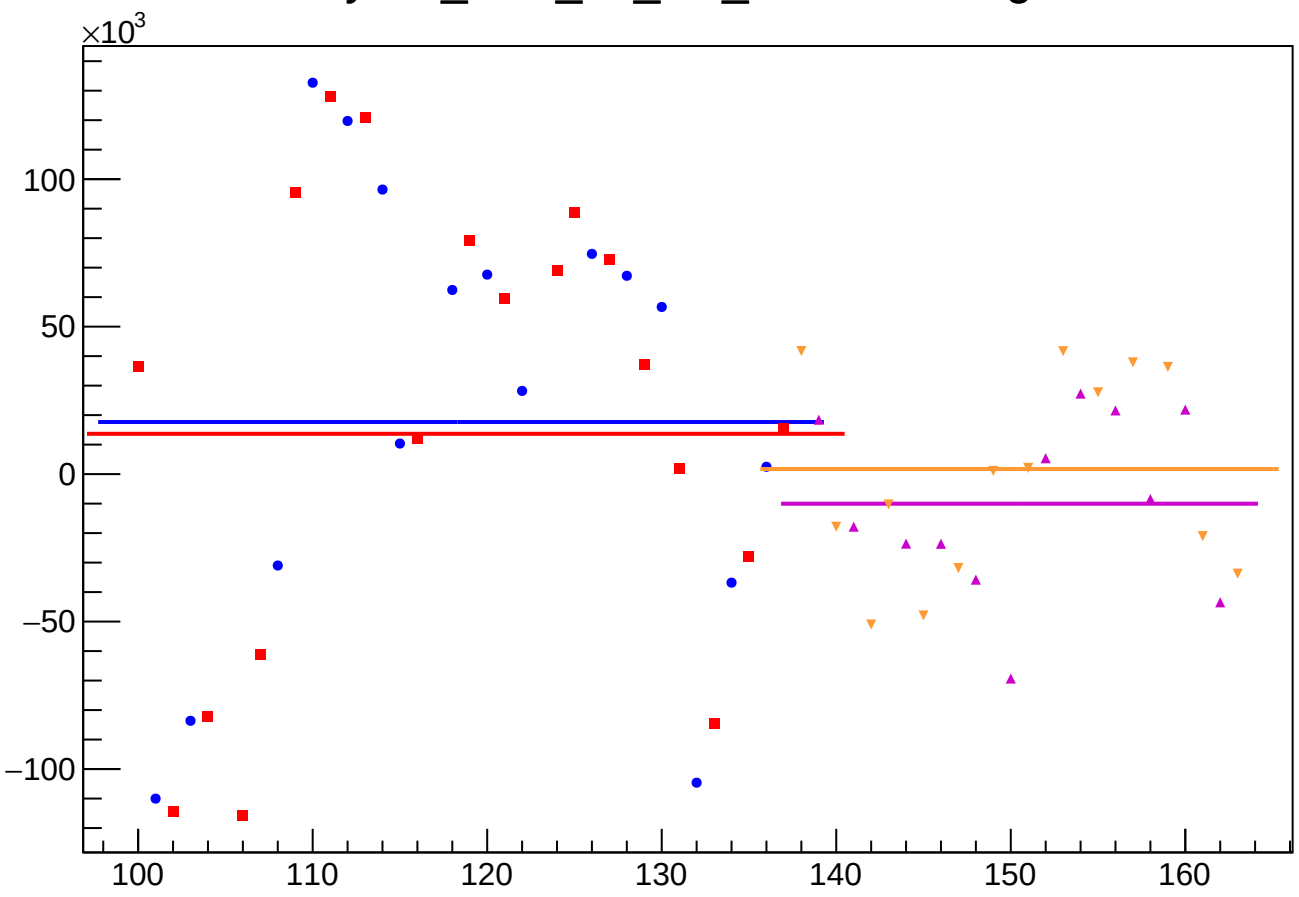
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.388+/-0.000 χ^2/NDF:814099.1/11

+ sign 0.354+/-0.000 χ^2/NDF: 2643045.5/29

All: 0.357+/-0.000 χ^2/NDF: 4977530.2/60

- sign 0.360+/-0.000 χ^2/NDF: 2330199.7/30



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1728.124+/-1.476 χ^2/NDF:467211602.1/13

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

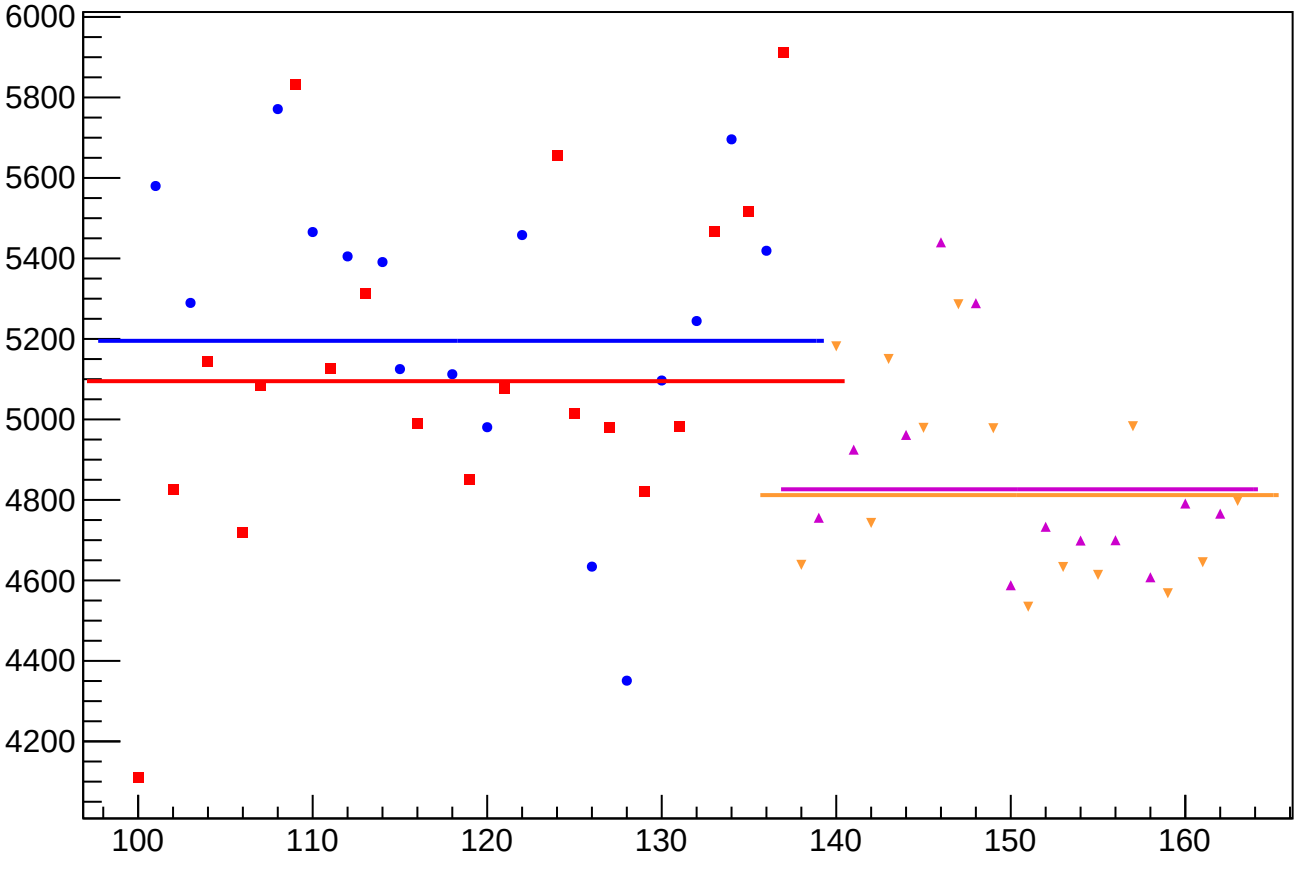
Left In: -10034.509+/-1.543 χ^2/NDF:377677684.9/11

+ sign 7325.946+/-1.189 χ^2/NDF: 1906908791.2/29

All: 3334.488+/-0.846 χ^2/NDF: 4256680591.

- sign -761.165+/-1.204 χ^2/NDF: 2326925299.3/30

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4811.955+/-1.044 χ^2/NDF:52438.7/13

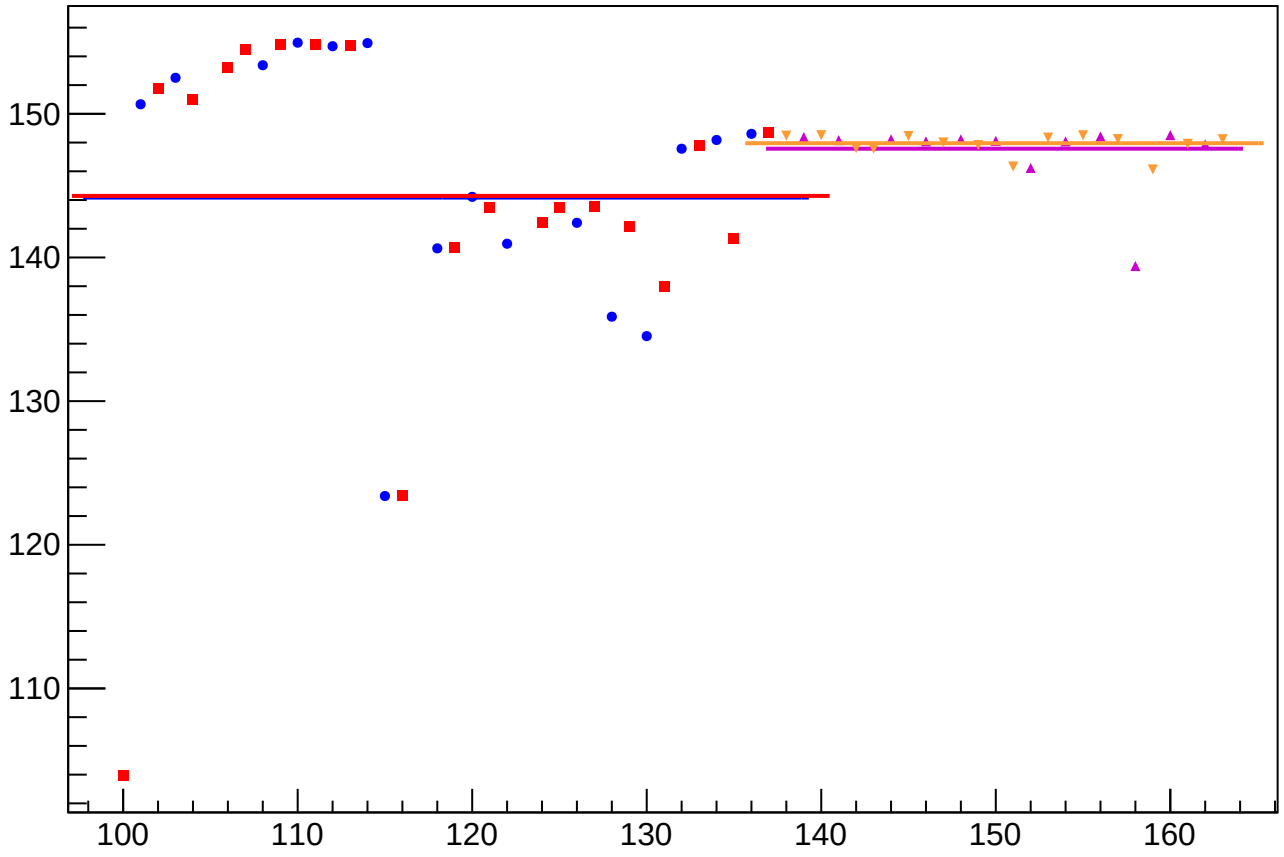
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4826.392+/-1.091 χ^2/NDF:46343.0/11

+ sign 4946.615+/-0.840 χ^2/NDF: 177008.1/29

All: 4939.158+/-0.598 χ^2/NDF: 306337.7/60

- sign 4931.508+/-0.851 χ^2/NDF: 129170.1/30



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32789847.4/13

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

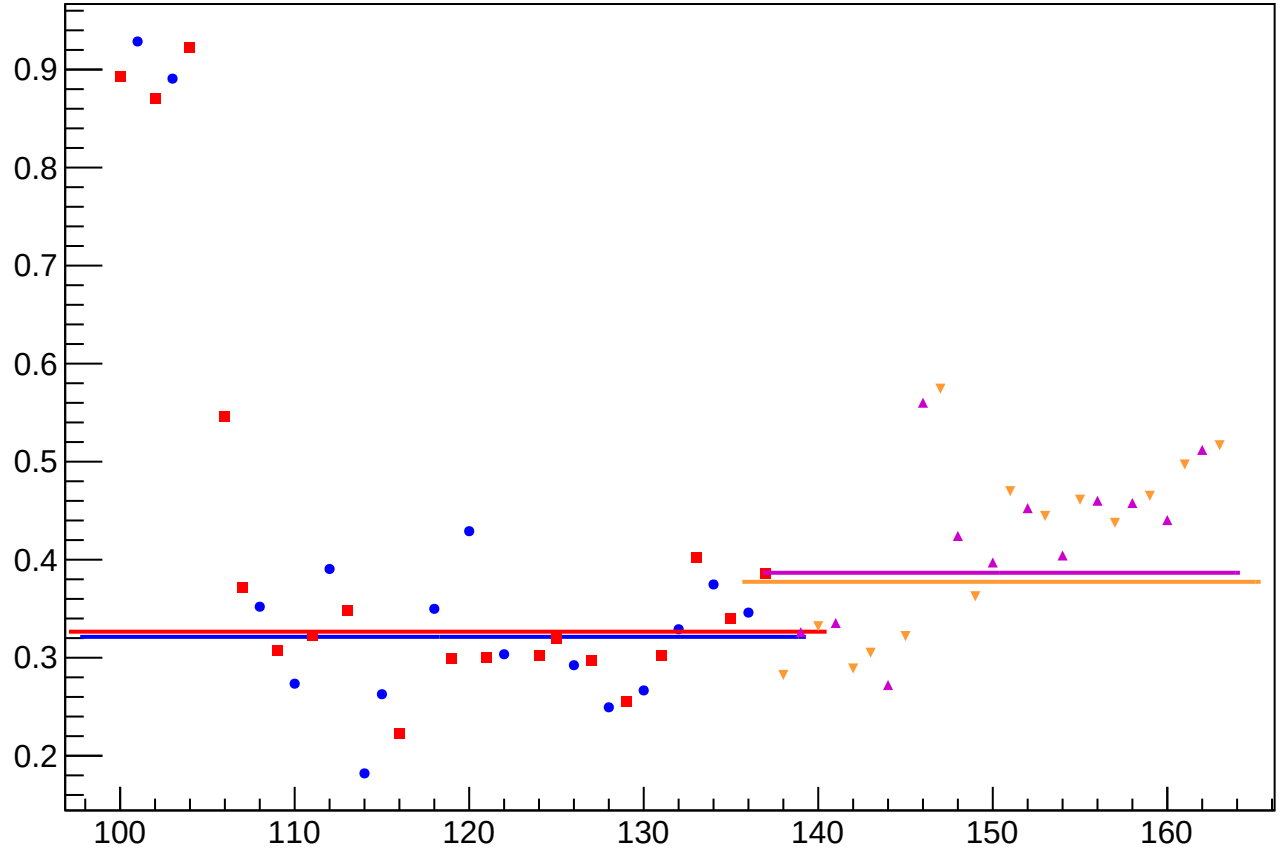
Left In: 147.573+/-0.000 χ^2/NDF:285410951.7/11

+ sign 146.266+/-0.000 χ^2/NDF: 4254314153.5/29

All: 146.145+/-0.000 χ^2/NDF: 9158437070.3

- sign 146.015+/-0.000 χ^2/NDF: 4900182476.4/30

yield_bcm_an_ds_rms vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.377+/-0.000 χ^2/NDF:1045464.9/13

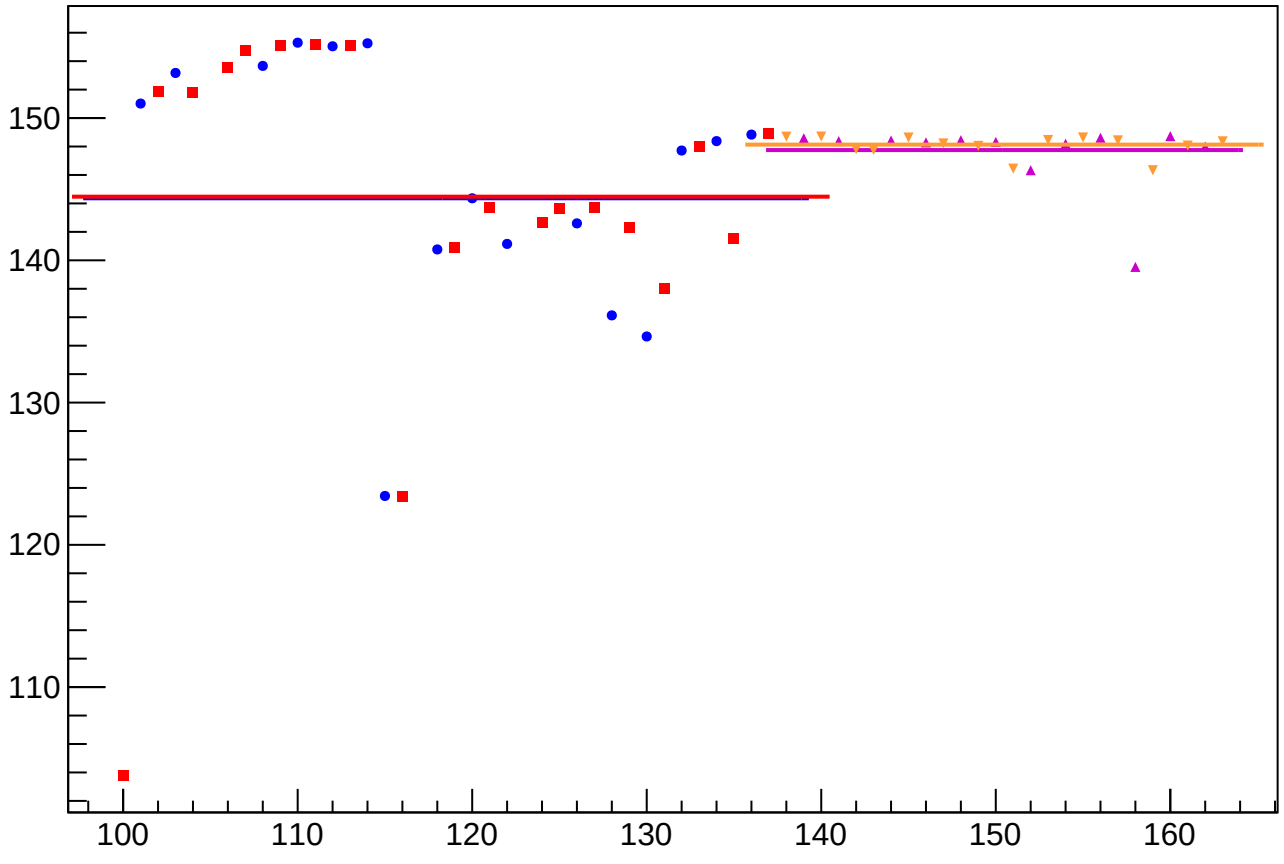
Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.387+/-0.000 χ^2/NDF:812831.2/11

+ sign 0.352+/-0.000 χ^2/NDF: 2643041.5/29

All: 0.355+/-0.000 χ^2/NDF: 4979925.8/60

- sign 0.358+/-0.000 χ^2/NDF: 2332710.9/30



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.134+/-0.000 χ^2/NDF:32766910.7/13

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

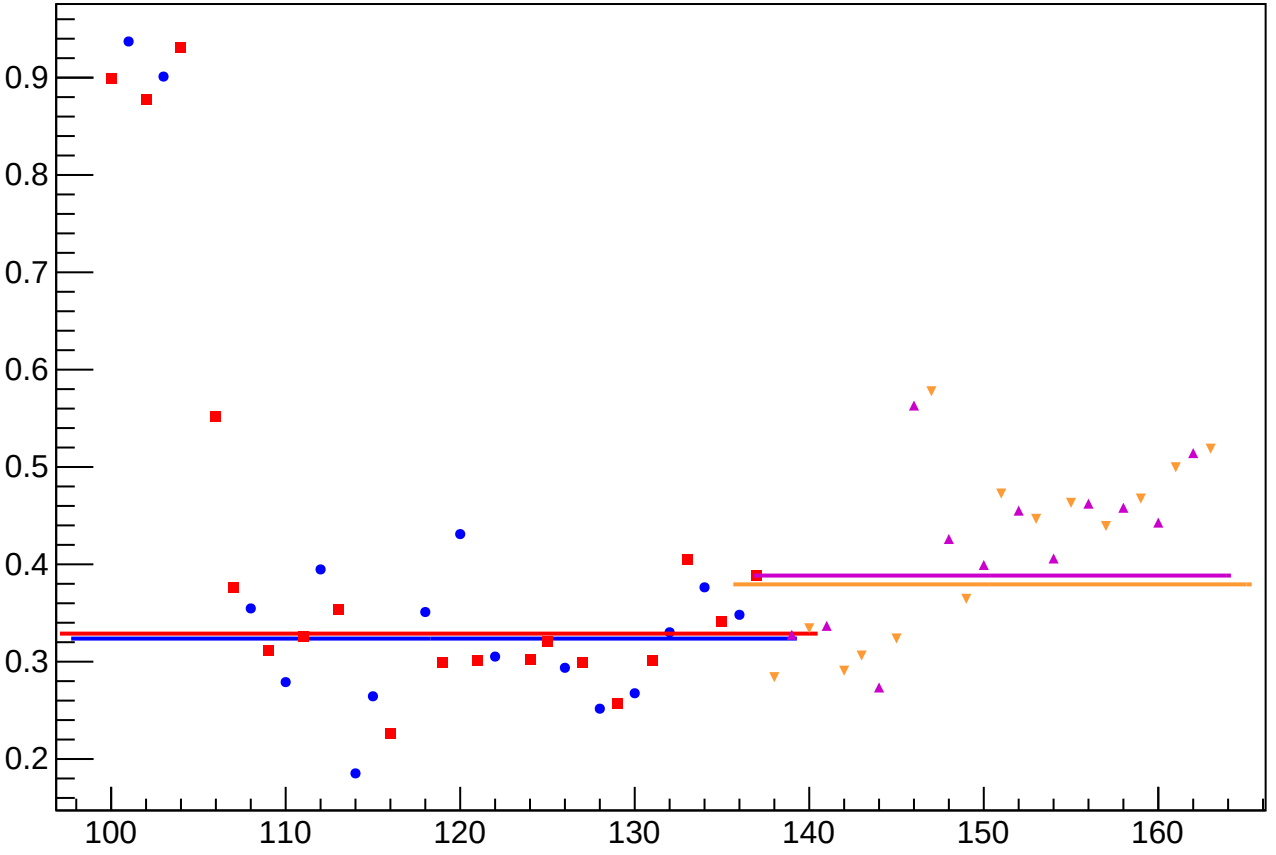
Left In: 147.751+/-0.000 χ^2/NDF:289705058.3/11

+ sign 146.454+/-0.000 χ^2/NDF: 4240035101.1/29

All: 146.332+/-0.000 χ^2/NDF: 9134458321.6

- sign 146.201+/-0.000 χ^2/NDF: 4890488576.0/30

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.379+/-0.000 χ^2/NDF:1043536.1/13

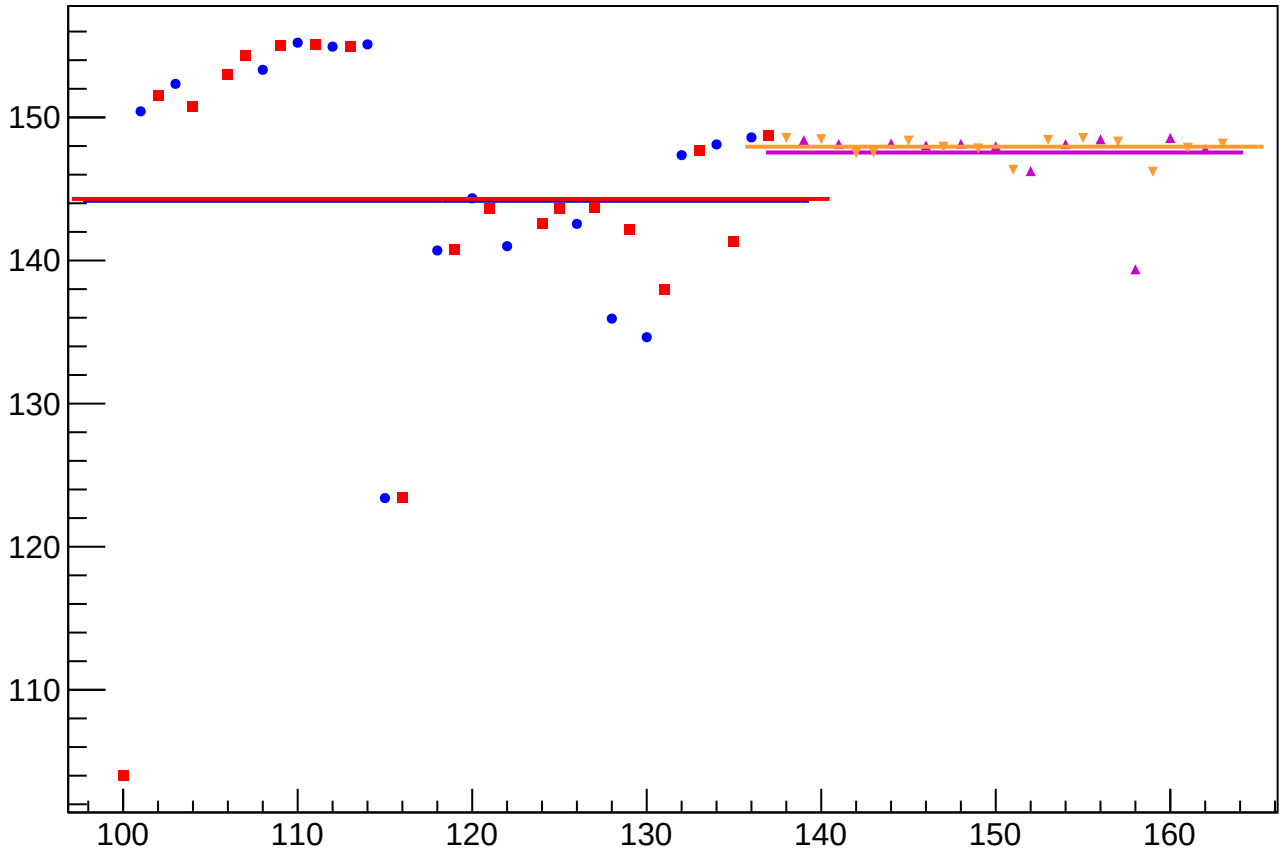
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.388+/-0.000 χ^2/NDF:811724.0/11

+ sign 0.355+/-0.000 χ^2/NDF: 2631497.8/29

All: 0.357+/-0.000 χ^2/NDF: 4961690.6/60

- sign 0.360+/-0.000 χ^2/NDF: 2326275.8/30



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

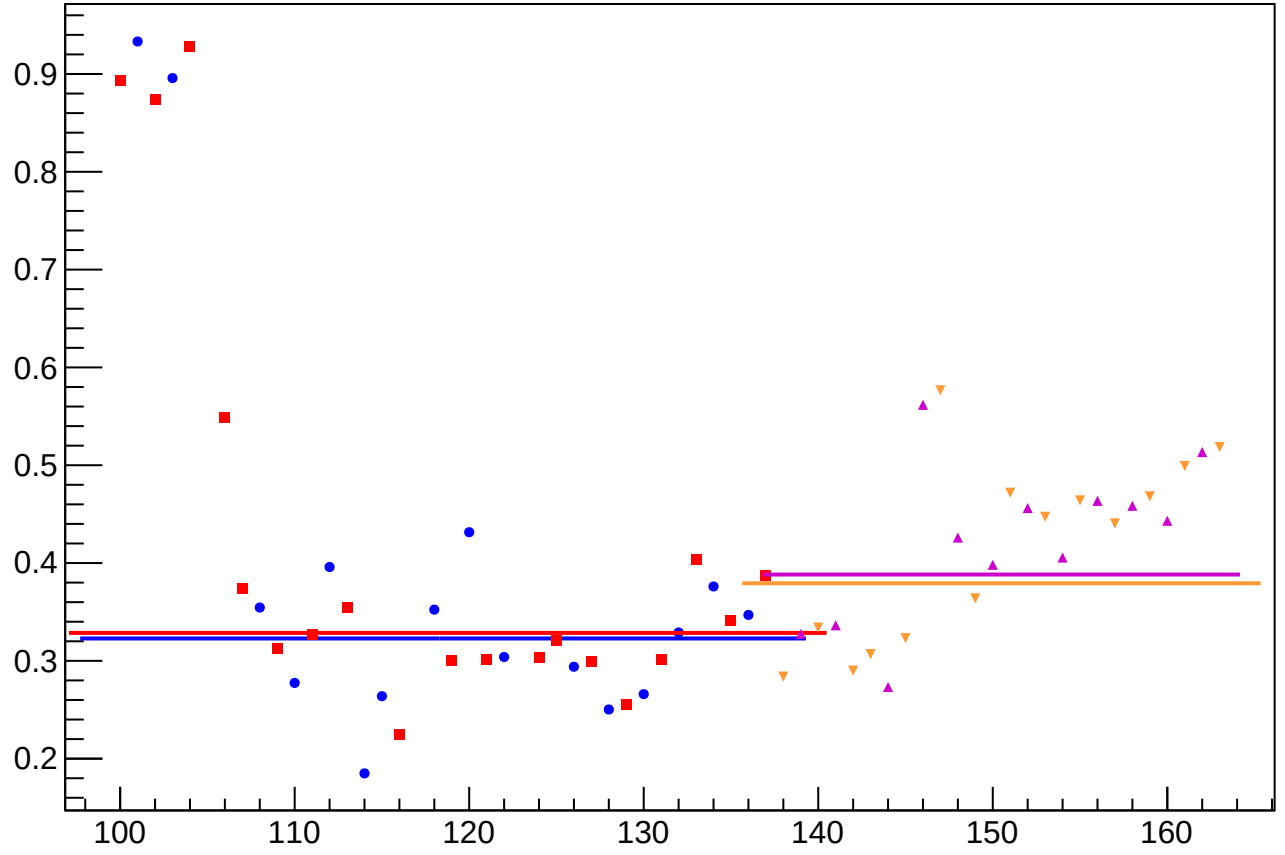
Left In: 147.550+/-0.000 χ^2/NDF:284323559.5/11

+ sign 146.268+/-0.000 χ^2/NDF: 4208291092.1/29

All: 146.145+/-0.000 χ^2/NDF: 9074375577.7

- sign 146.014+/-0.000 χ^2/NDF: 4862119756.3/30

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

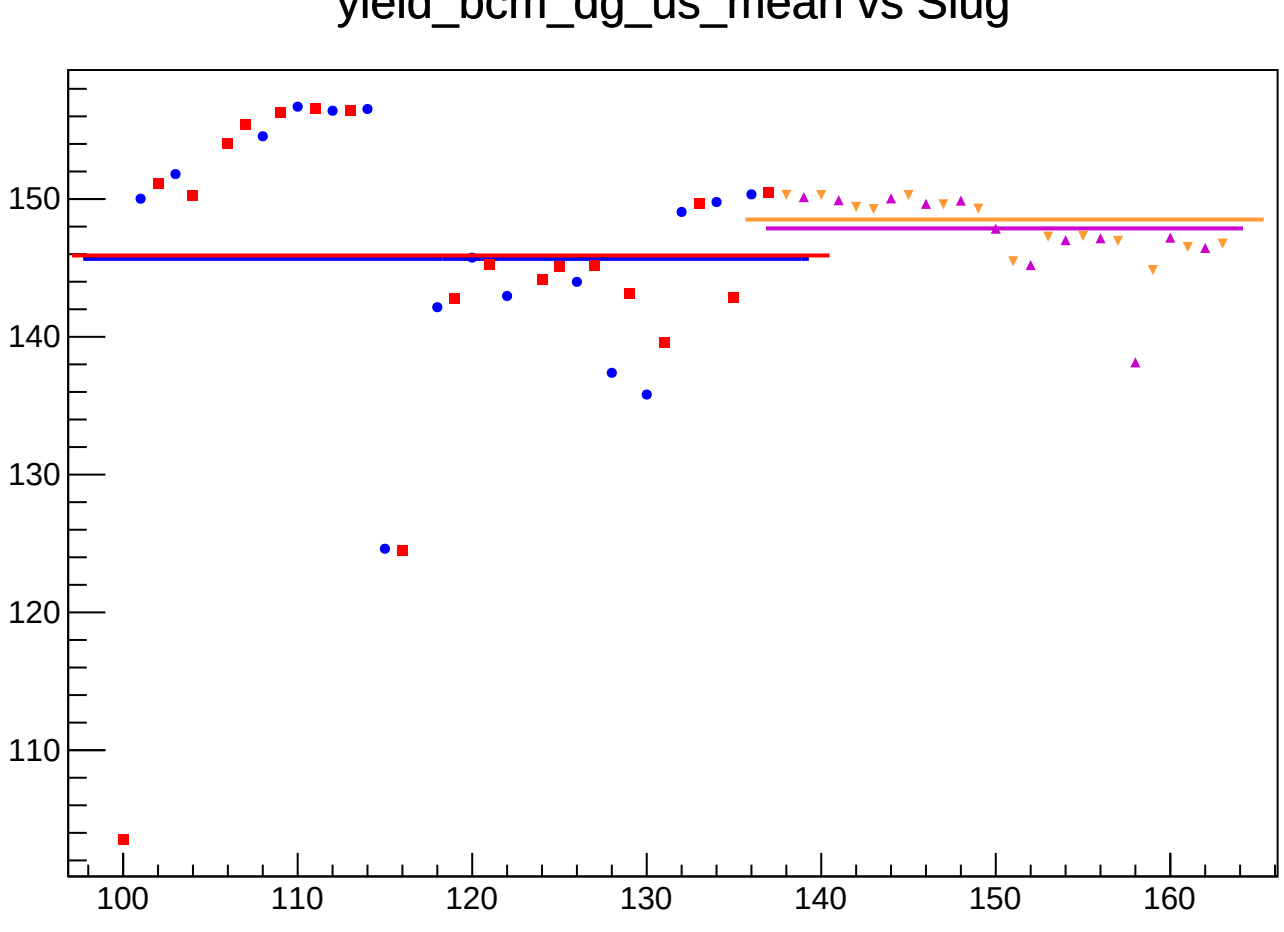
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.388+/-0.000 χ^2/NDF:814099.1/11

+ sign 0.354+/-0.000 χ^2/NDF: 2643045.5/29

All: 0.357+/-0.000 χ^2/NDF: 4977530.2/60

- sign 0.360+/-0.000 χ^2/NDF: 2330199.7/30



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.513+/-0.000 χ^2/NDF:204954774.5/13

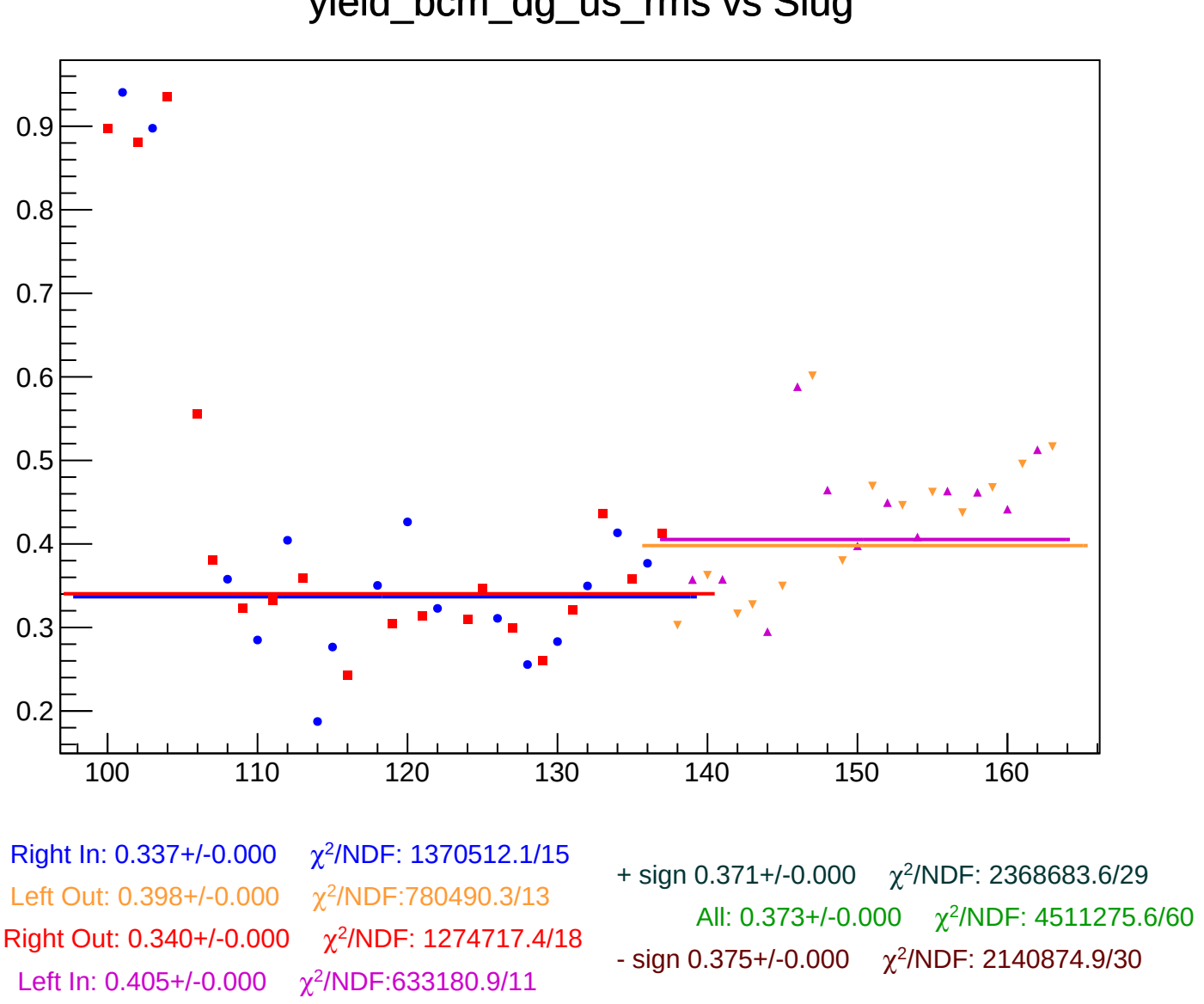
Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

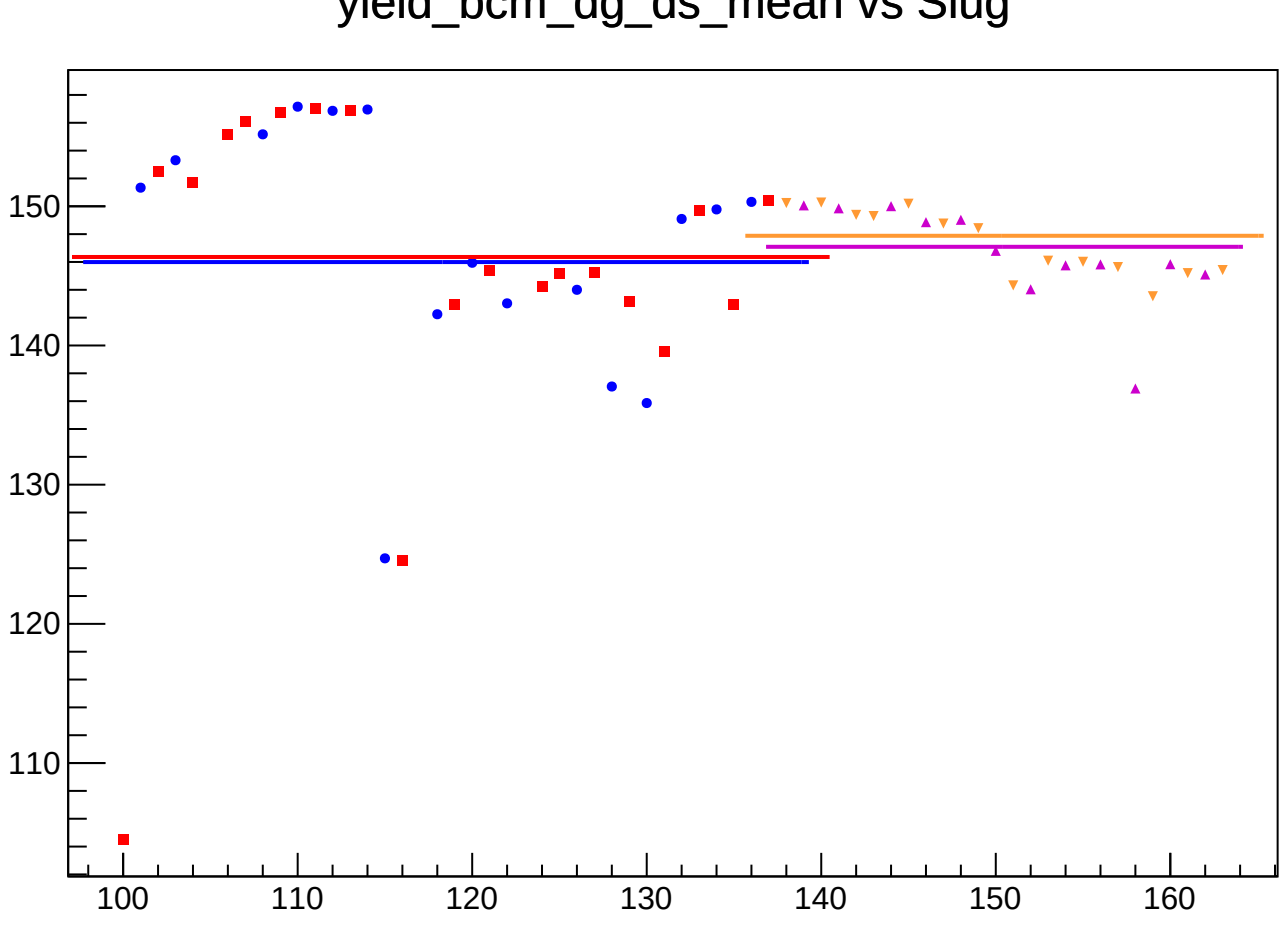
Left In: 147.869+/-0.000 χ^2/NDF:524431208.1/11

+ sign 147.236+/-0.000 χ^2/NDF: 3923084910.2/29

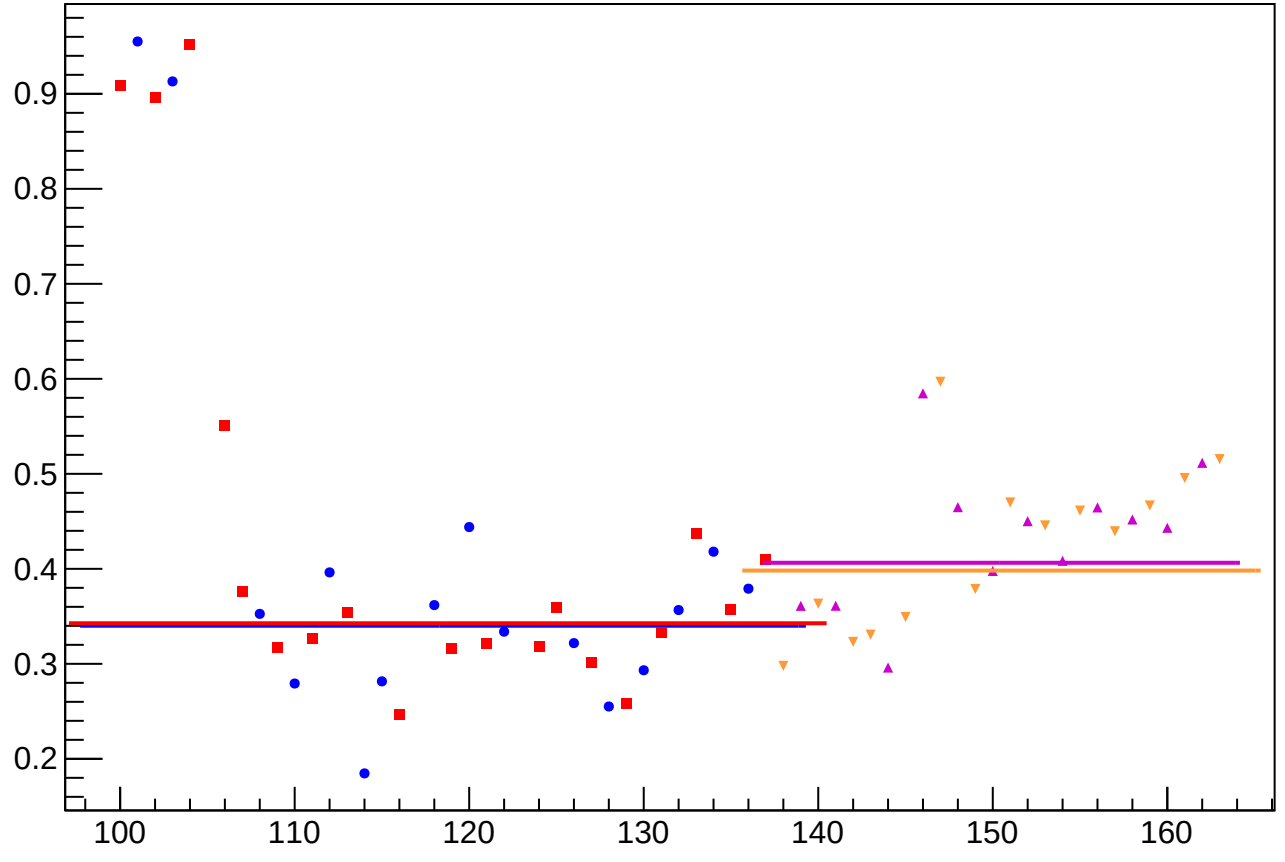
All: 147.091+/-0.000 χ^2/NDF: 8422240777.9

- sign 146.937+/-0.000 χ^2/NDF: 4494032587.9/30


yield_bcm_dg_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
Right In: 0.337+/-0.000 χ²/NDF: 1370512.1/15
Left Out: 0.398+/-0.000 χ²/NDF:780490.3/13
Right Out: 0.340+/-0.000 χ²/NDF: 1274717.4/18
Left In: 0.405+/-0.000 χ²/NDF:633180.9/11
+ sign 0.371+/-0.000 χ²/NDF: 2368683.6/29
All: 0.373+/-0.000 χ²/NDF: 4511275.6/60
- sign 0.375+/-0.000 χ²/NDF: 2140874.9/30


yield_bcm_dg_ds_mean vs Slug
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 147.881+/-0.000 χ²/NDF:343710622.5/13
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 147.090+/-0.000 χ²/NDF:683590425.2/11
+ sign 147.047+/-0.000 χ²/NDF: 4067356180.4/29
All: 146.900+/-0.000 χ²/NDF: 8733829120.6
- sign 146.745+/-0.000 χ²/NDF: 4661319497.5/30

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.398+/-0.000 χ^2/NDF:774607.2/13

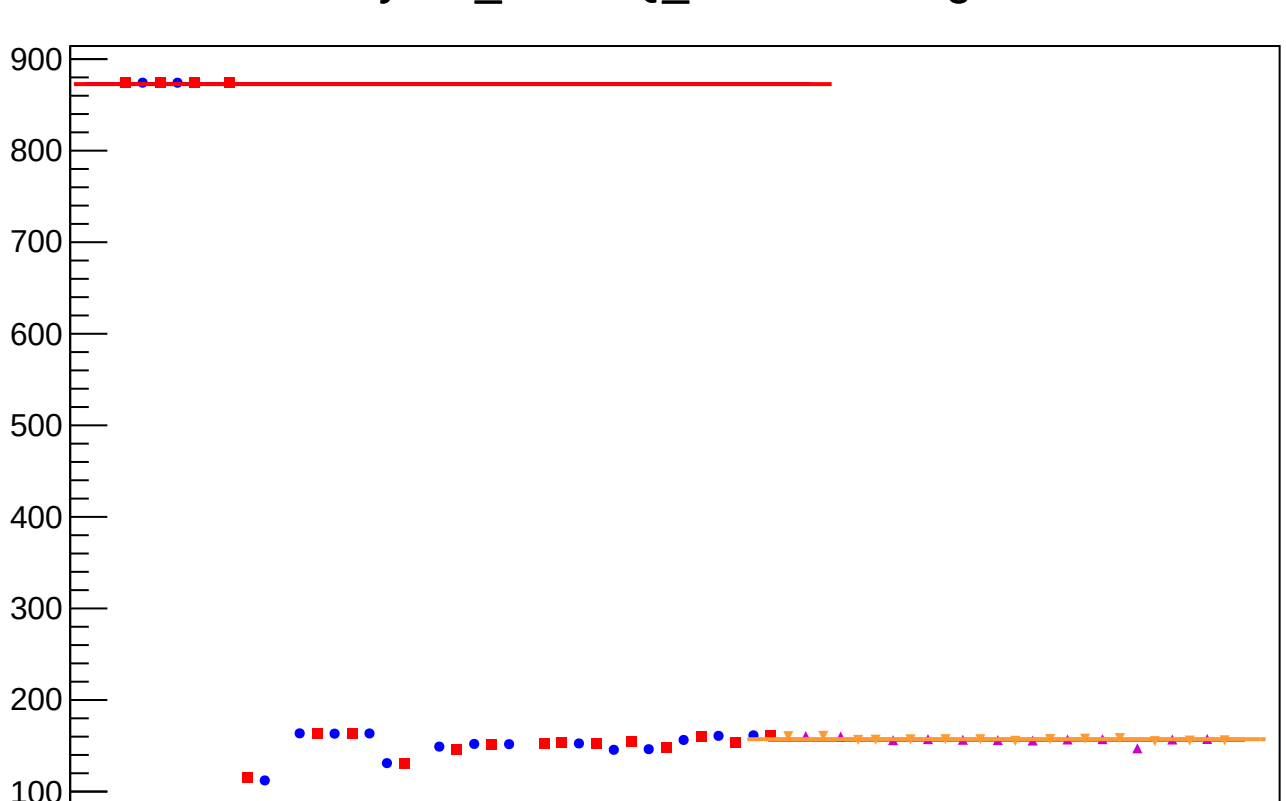
Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.406+/-0.000 χ^2/NDF:605253.9/11

+ sign 0.373+/-0.000 χ^2/NDF: 2360529.9/29

All: 0.374+/-0.000 χ^2/NDF: 4459657.0/60

- sign 0.376+/-0.000 χ^2/NDF: 2097510.6/30



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.200+/-0.000 χ^2/NDF:61338692.8/13

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

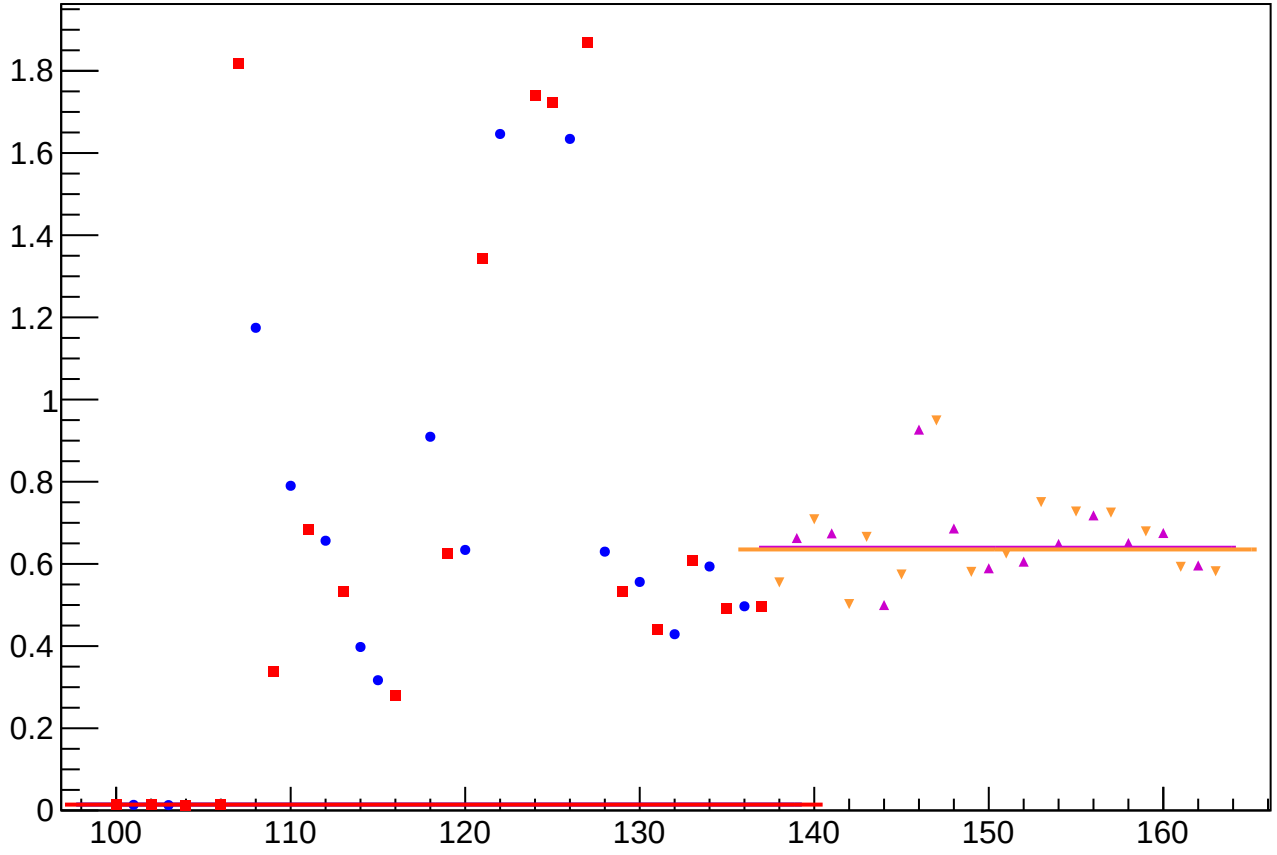
Left In: 156.646+/-0.000 χ^2/NDF:165667627.6/11

+ sign 870.911+/-0.000 χ^2/NDF: 16932258898697.

All: 871.052+/-0.000 χ^2/NDF: 34928778600

- sign 871.174+/-0.000 χ^2/NDF: 17996256637178.

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:299474.8/13

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

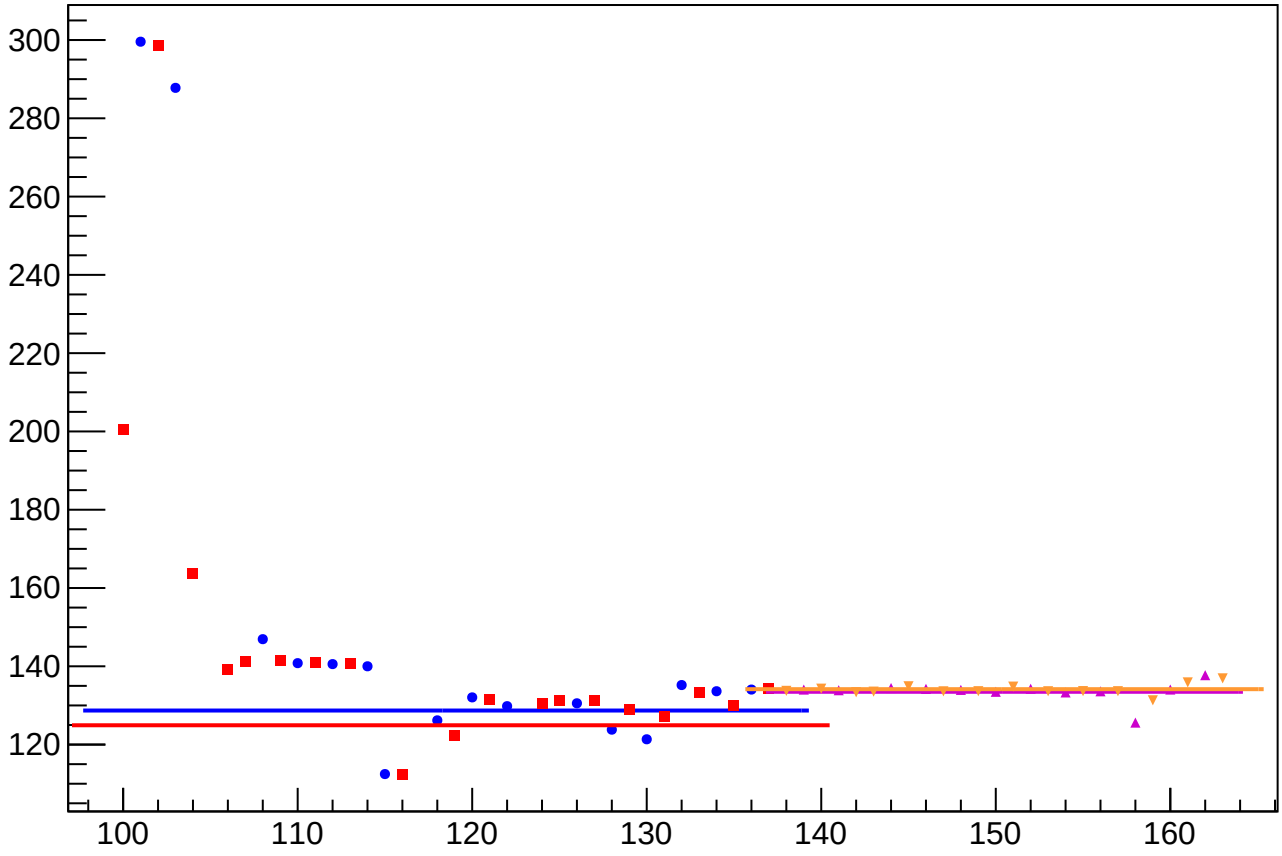
Left In: 0.639+/-0.000 χ^2/NDF:229101.3/11

+ sign 0.016+/-0.000 χ^2/NDF: 24582737.3/29

All: 0.016+/-0.000 χ^2/NDF: 47683668.2/60

- sign 0.016+/-0.000 χ^2/NDF: 23099117.9/30

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.156+/-0.000 χ^2/NDF:80140272.3/13

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

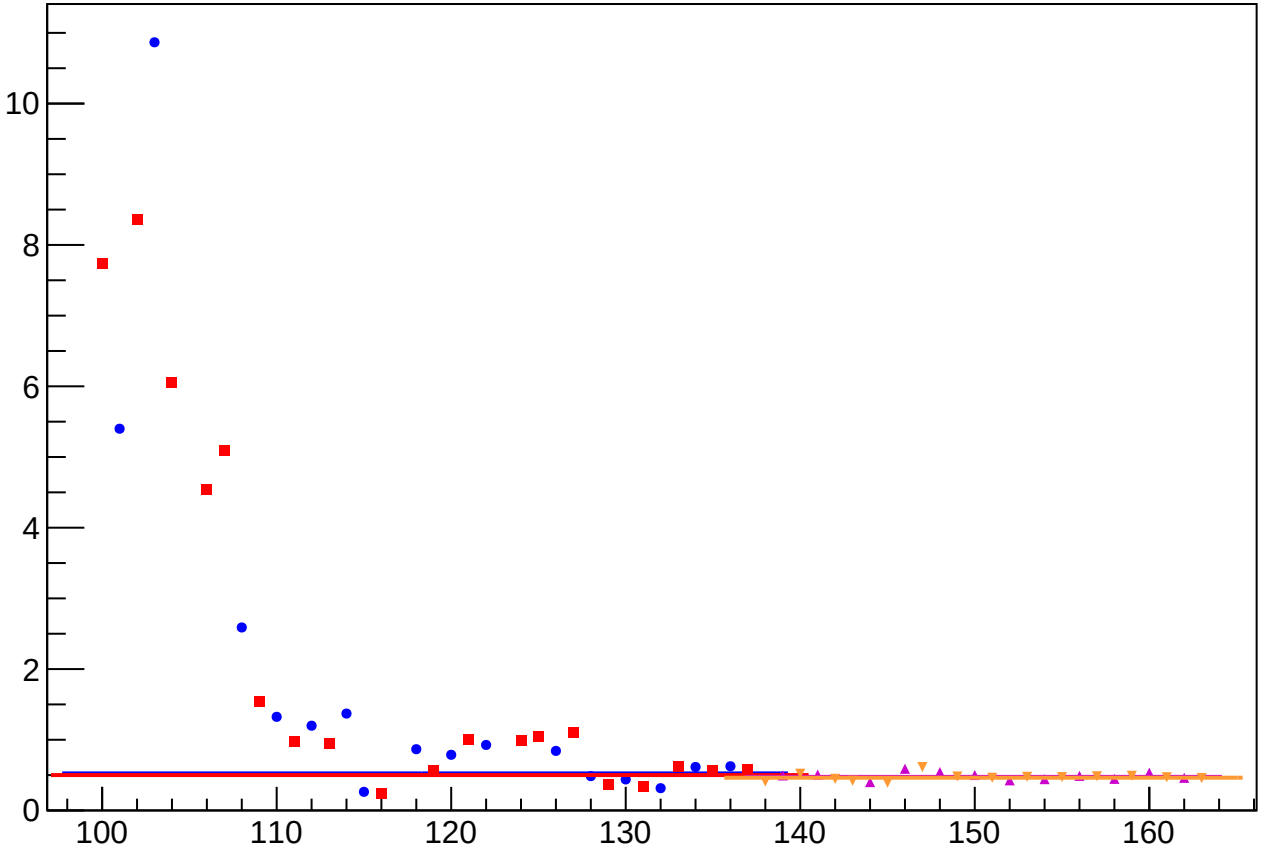
Left In: 133.491+/-0.000 χ^2/NDF:316447311.5/11

+ sign 132.918+/-0.000 χ^2/NDF: 2043790933.9/29

All: 132.127+/-0.000 χ^2/NDF: 4594787761.3

- sign 131.264+/-0.000 χ^2/NDF: 2474008724.0/30

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.463+/-0.000 χ^2/NDF:195329.0/13

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.475+/-0.000 χ^2/NDF:210611.9/11

+ sign 0.477+/-0.000 χ^2/NDF: 4409919.8/29

All: 0.479+/-0.000 χ^2/NDF: 9519439.0/60

- sign 0.482+/-0.000 χ^2/NDF: 5108407.4/30

yield_cav4dQ_mean vs Slug

Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.375+/-0.000 χ^2/NDF:49391510.6/13

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

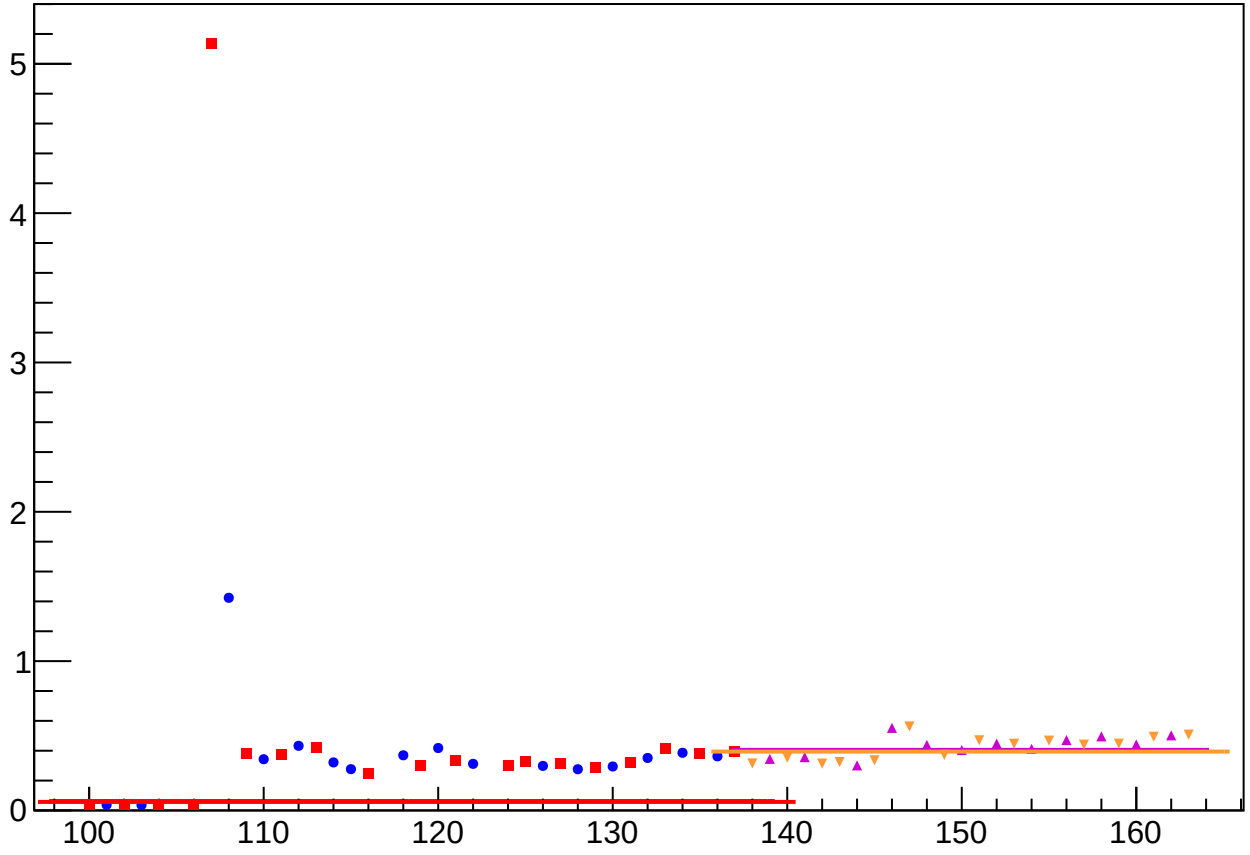
Left In: 137.084+/-0.000 χ^2/NDF:215867515.1/11

+ sign 1660.979+/-0.000 χ^2/NDF: 3195207309476

All: 1695.654+/-0.000 χ^2/NDF: 624701231 26

- sign 1726.153+/-0.000 χ^2/NDF: 30374035511987

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.394+/-0.000 χ^2/NDF:726834.6/13

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.406+/-0.000 χ^2/NDF:585676.6/11

+ sign 0.097+/-0.000 χ^2/NDF: 22137471.6/29

All: 0.091+/-0.000 χ^2/NDF: 43621677.5/60

- sign 0.085+/-0.000 χ^2/NDF: 21398769.1/30

Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.359+/-0.000 χ^2/NDF:304461301.2/13

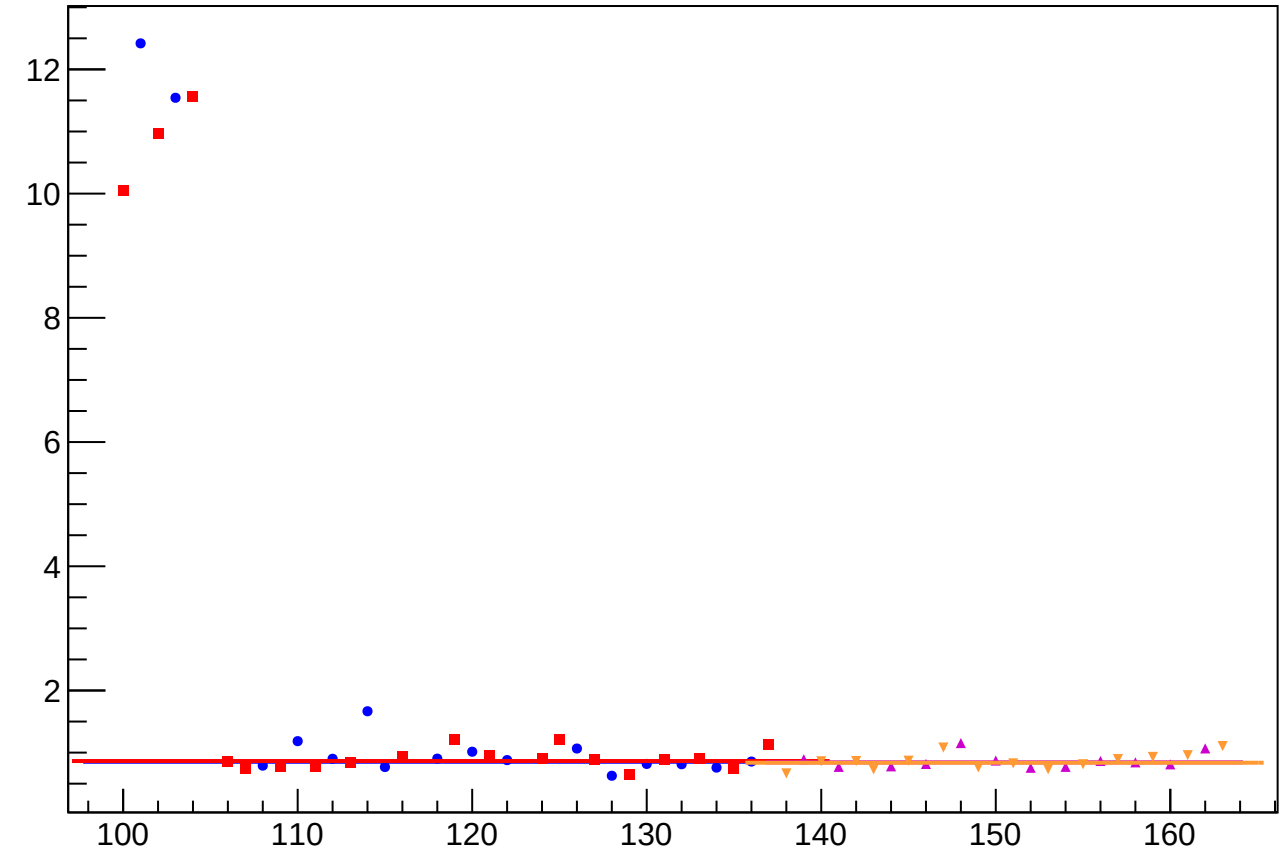
Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.717+/-0.000 χ^2/NDF:511302060.2/11

+ sign 171.749+/-0.000 χ^2/NDF: 15103417112.2/29

All: 172.183+/-0.000 χ^2/NDF: 32038504507.

- sign 172.635+/-0.000 χ^2/NDF: 16929352998.6/30



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.837+/-0.000 χ^2/NDF:261914.1/13

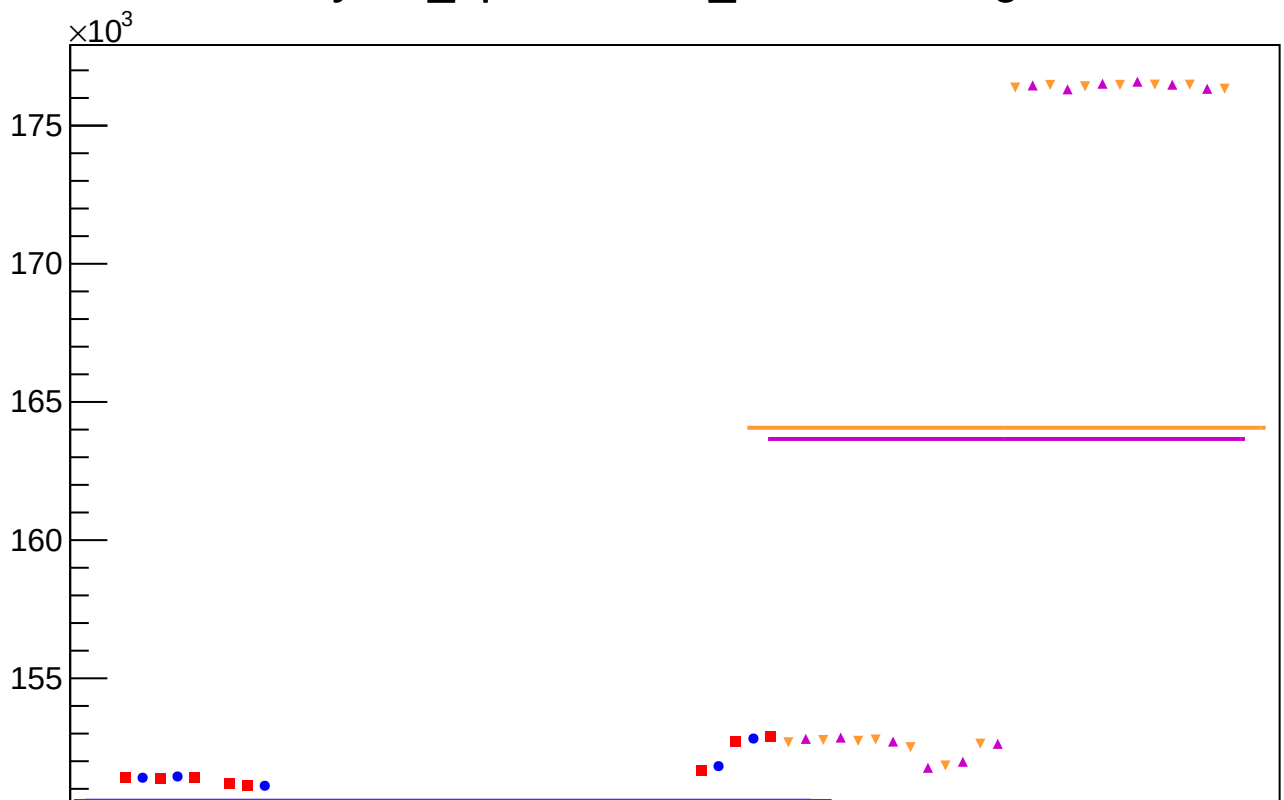
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.843+/-0.000 χ^2/NDF:177682.2/11

+ sign 0.843+/-0.000 χ^2/NDF: 2565932.8/29

All: 0.847+/-0.000 χ^2/NDF: 4956915.1/60

- sign 0.851+/-0.000 χ^2/NDF: 2389937.2/30



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

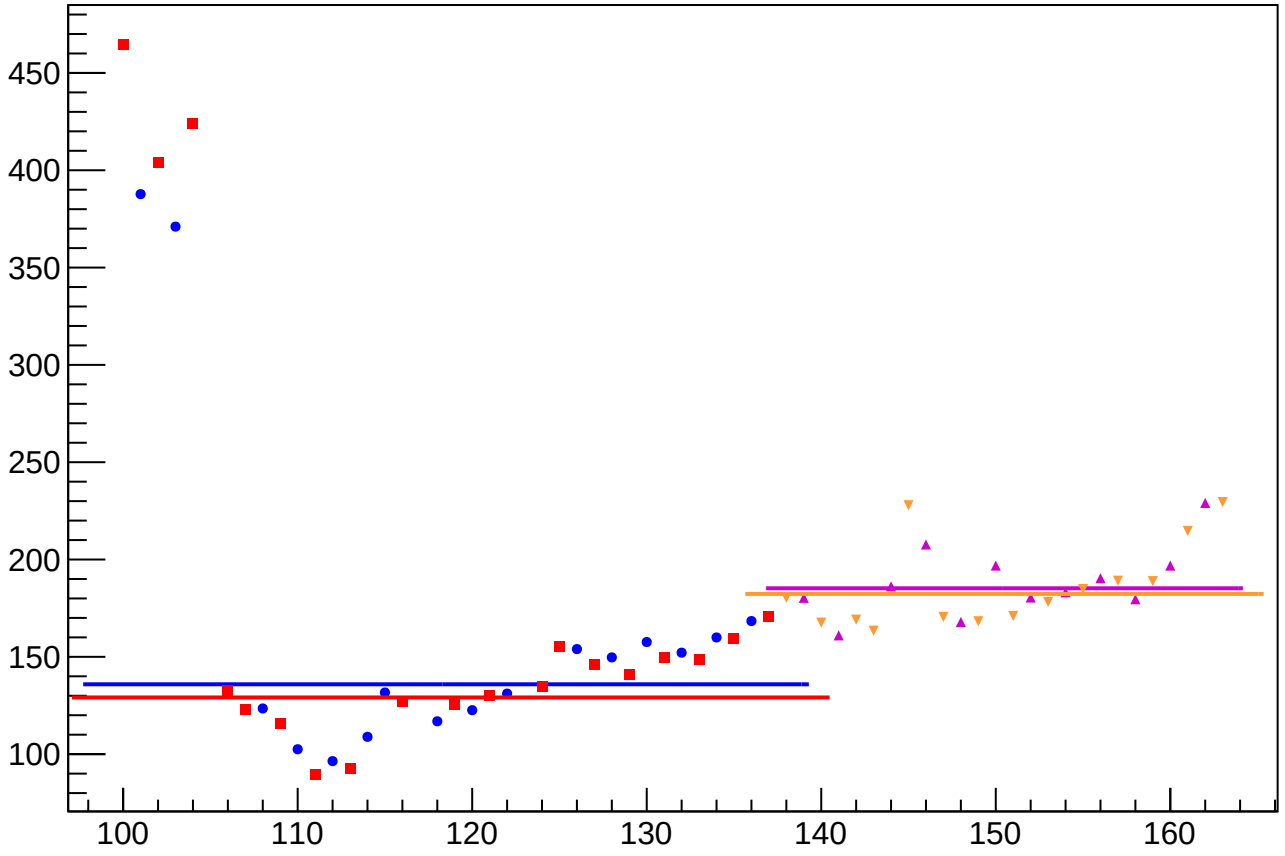
Left In: 163661.096+/-0.058 χ^2/NDF:42219595831.4/11

+ sign 157245.186+/-0.039 χ^2/NDF: 77195433890.

All: 156740.724+/-0.027 χ^2/NDF: 14860708

- sign 156248.455+/-0.038 χ^2/NDF: 71078051957.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

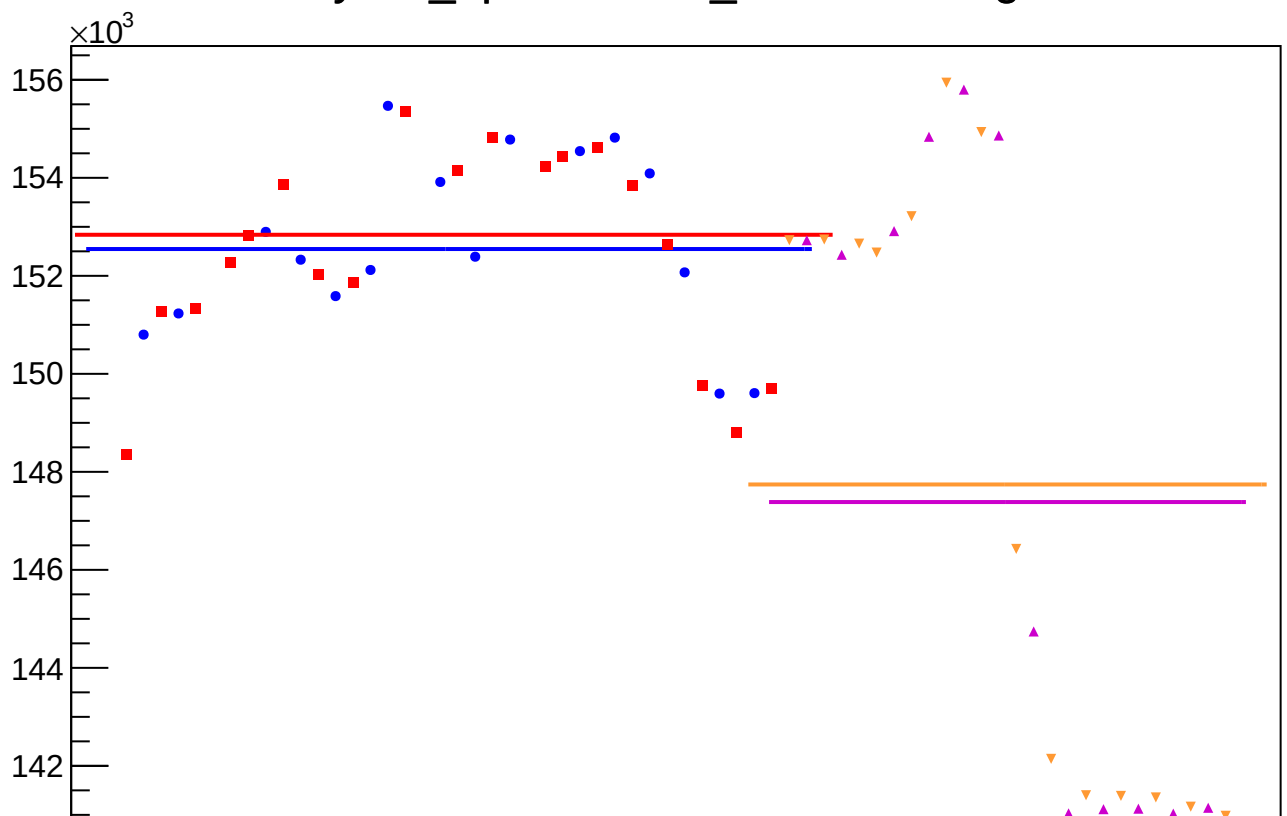
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 185.219+/-0.041 χ^2/NDF:153815.7/11

+ sign 158.862+/-0.027 χ^2/NDF: 2375421.5/29

All: 156.138+/-0.019 χ^2/NDF: 5213918.7/60

- sign 153.480+/-0.027 χ^2/NDF: 2819048.5/30



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

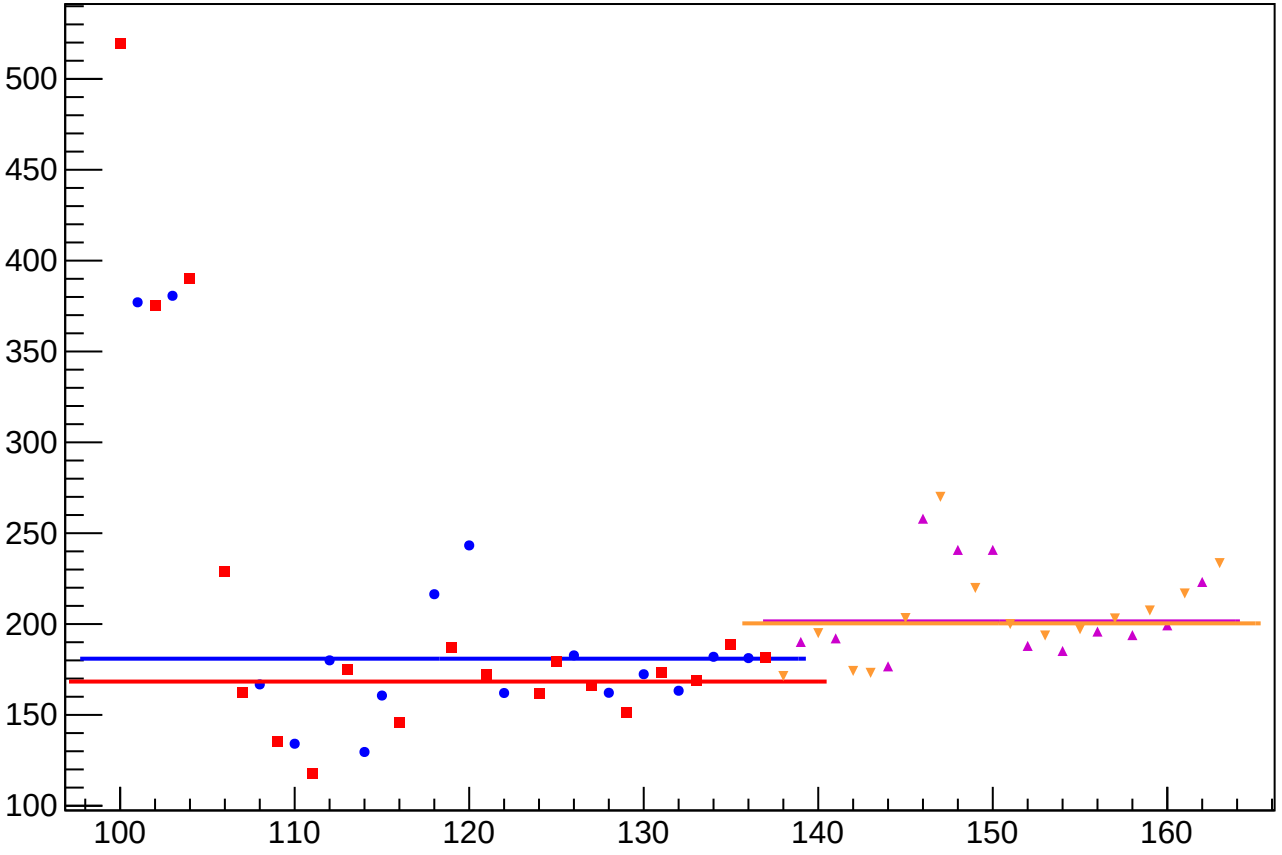
Left In: 147383.651+/-0.064 χ^2/NDF:9061568198.2/11

+ sign 149726.811+/-0.047 χ^2/NDF: 12114961224.

All: 149857.626+/-0.033 χ^2/NDF: 25430818

- sign 149984.914+/-0.046 χ^2/NDF: 13300355301.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

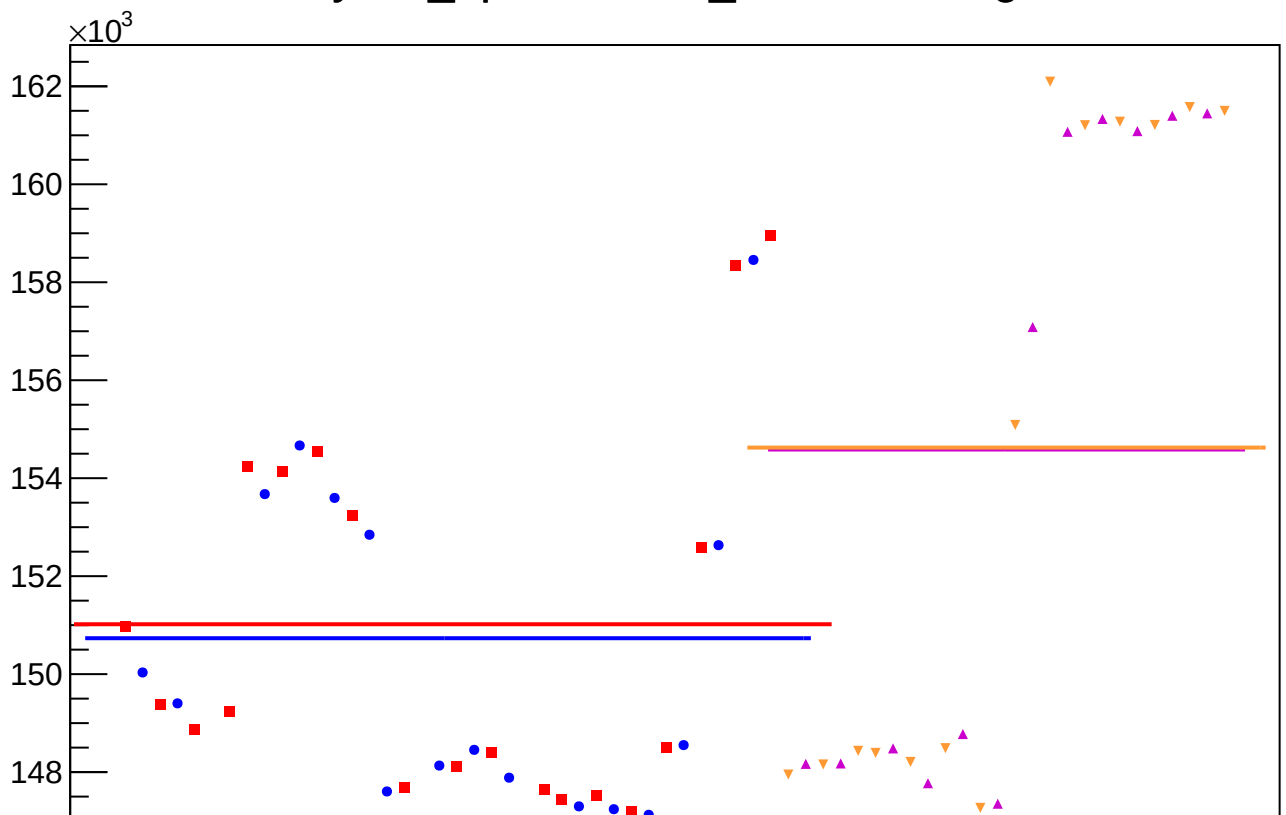
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.470+/-0.045 χ^2/NDF:260503.8/11

+ sign 192.350+/-0.033 χ^2/NDF: 1264666.5/29

All: 188.966+/-0.023 χ^2/NDF: 2893273.6/60

- sign 185.674+/-0.033 χ^2/NDF: 1607867.1/30



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154624.811+/-0.058 χ^2/NDF:12027422164.8/13

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

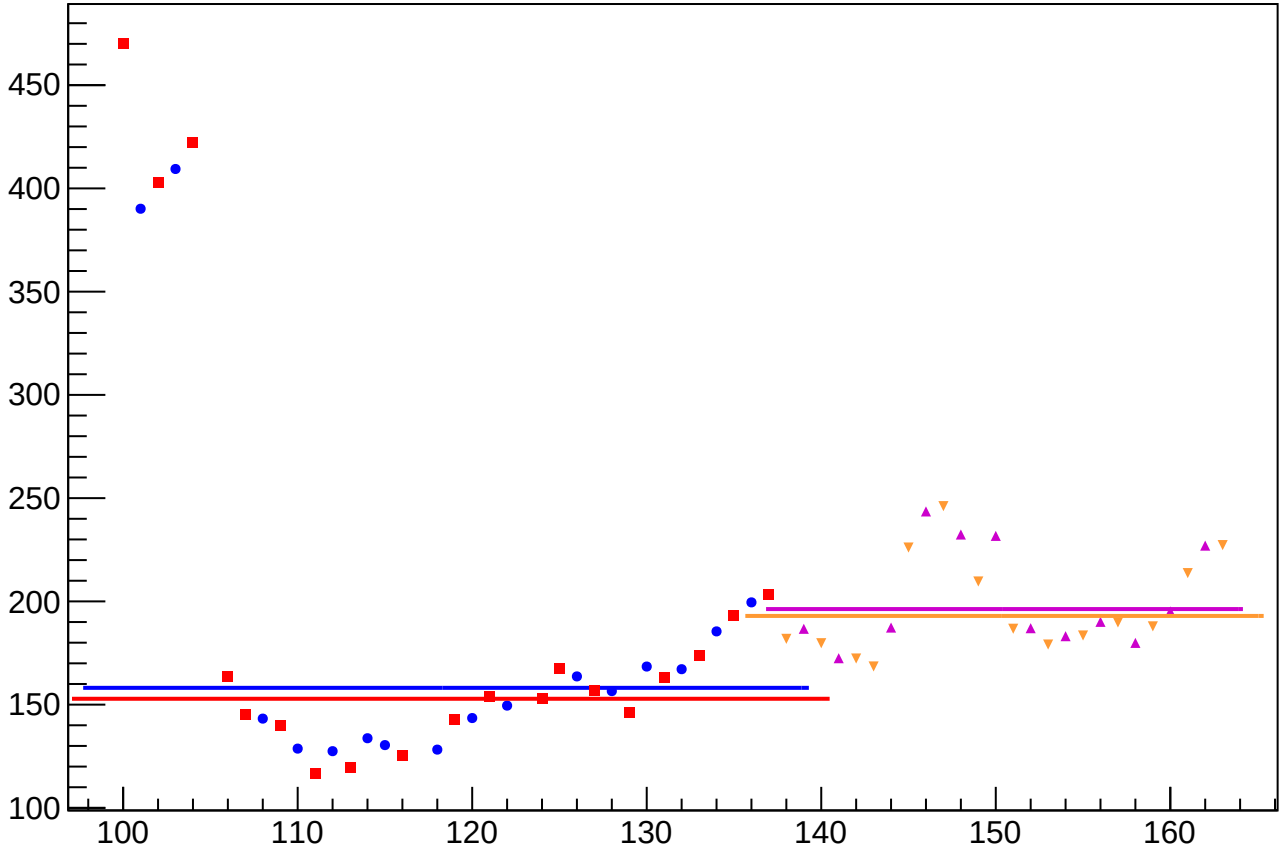
Left In: 154585.689+/-0.062 χ^2/NDF:10325402783.6/11

+ sign 152821.397+/-0.043 χ^2/NDF: 17365199871.

All: 152786.023+/-0.030 χ^2/NDF: 32690862

- sign 152750.218+/-0.043 χ^2/NDF: 15324288900.5

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 192.958+/-0.041 χ^2/NDF:253019.7/13

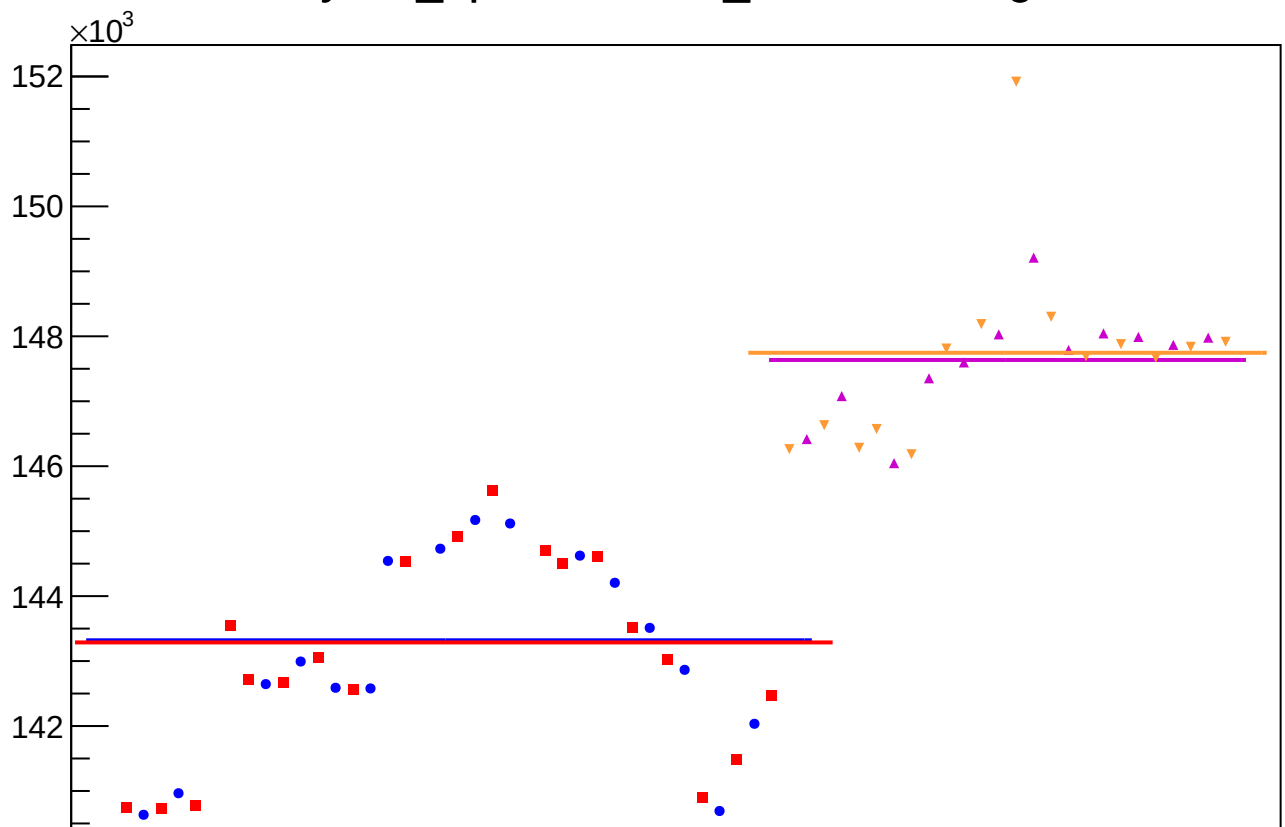
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 196.283+/-0.044 χ^2/NDF:248122.4/11

+ sign 176.821+/-0.030 χ^2/NDF: 1777595.5/29

All: 175.384+/-0.021 χ^2/NDF: 3802507.6/60

- sign 173.930+/-0.030 χ^2/NDF: 2020380.4/30



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147746.370+/-0.055 χ^2/NDF:670267127.5/13

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

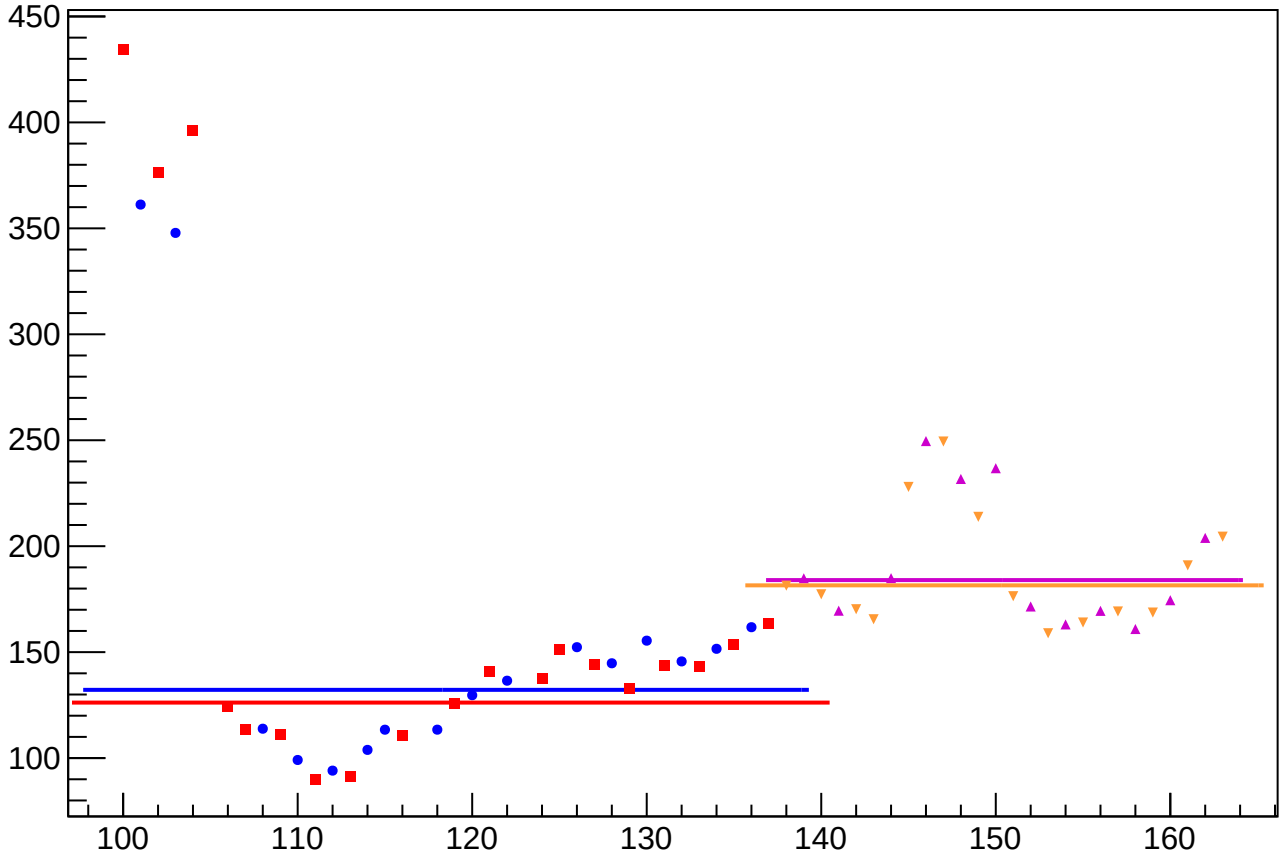
Left In: 147635.495+/-0.058 χ^2/NDF:199165084.9/11

+ sign 145450.516+/-0.038 χ^2/NDF: 4571916008.3

All: 145283.316+/-0.027 χ^2/NDF: 86555789

- sign 145120.052+/-0.038 χ^2/NDF: 4045913418.2/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.520+/-0.039 χ^2/NDF:341184.1/13

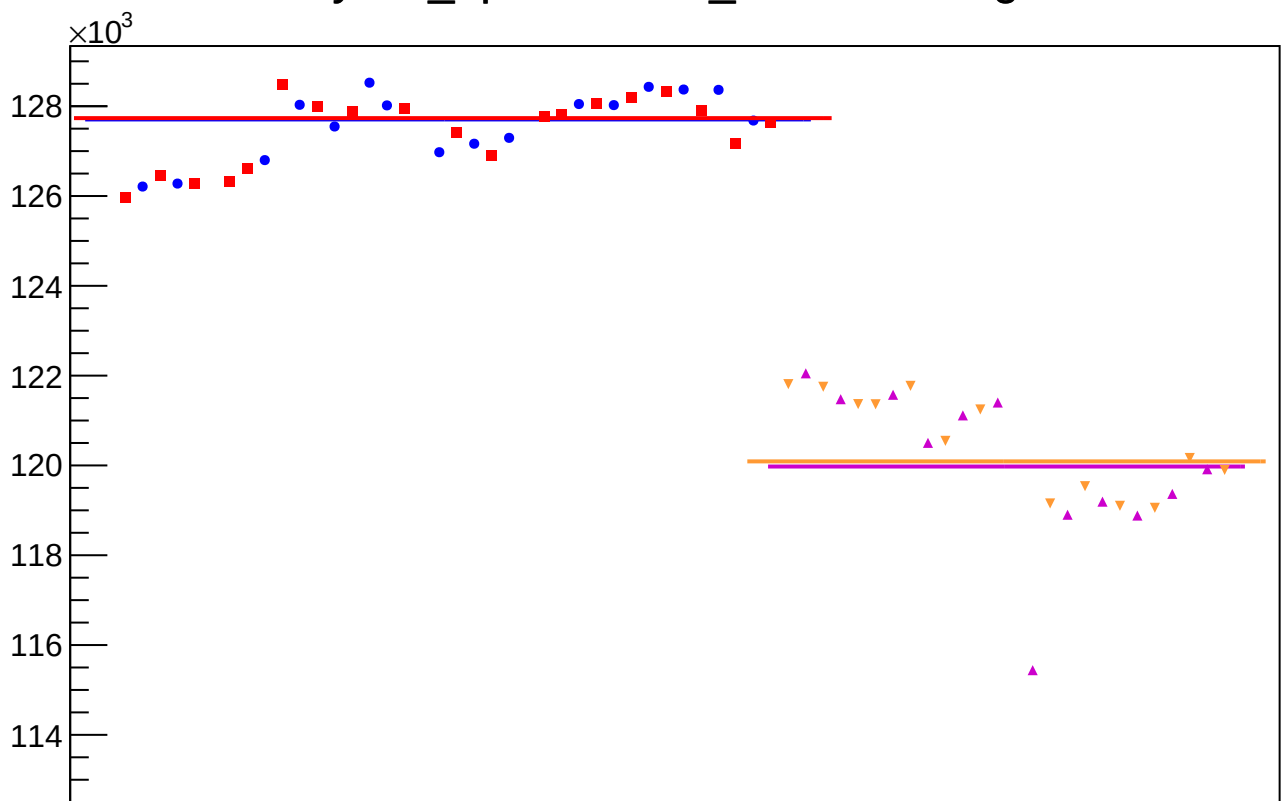
Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.004+/-0.041 χ^2/NDF:396386.0/11

+ sign 155.943+/-0.027 χ^2/NDF: 2549982.2/29

All: 153.220+/-0.019 χ^2/NDF: 5651910.7/60

- sign 150.562+/-0.027 χ^2/NDF: 3081910.0/30



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120090.104+/-0.054 χ^2/NDF:1751805410.1/13

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

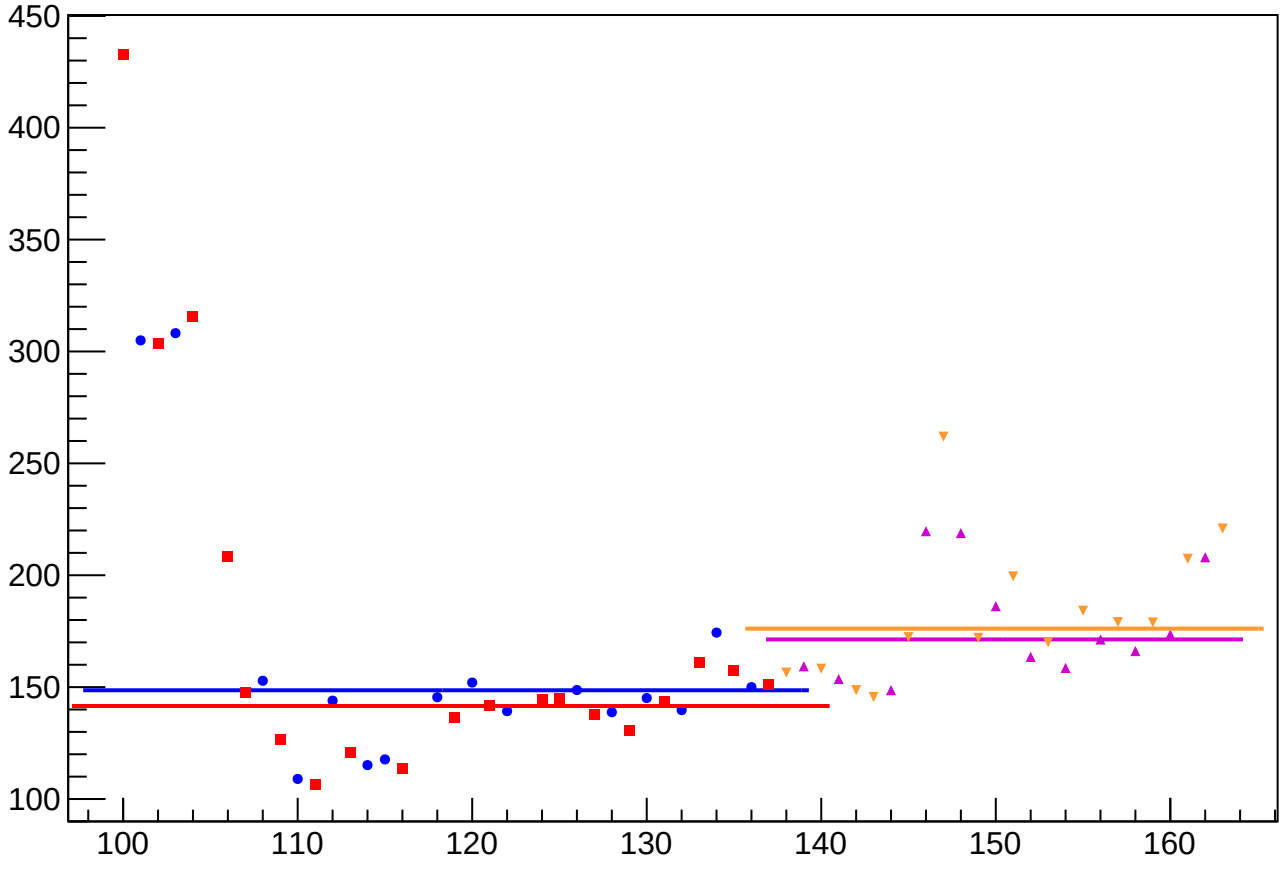
Left In: 119975.592+/-0.054 χ^2/NDF:1143890464.9/11

+ sign 123605.327+/-0.040 χ^2/NDF: 11005467477.

All: 123716.292+/-0.028 χ^2/NDF: 22342319

- sign 123821.587+/-0.039 χ^2/NDF: 11321618185.

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 176.141+/-0.038 χ^2/NDF:450228.8/13

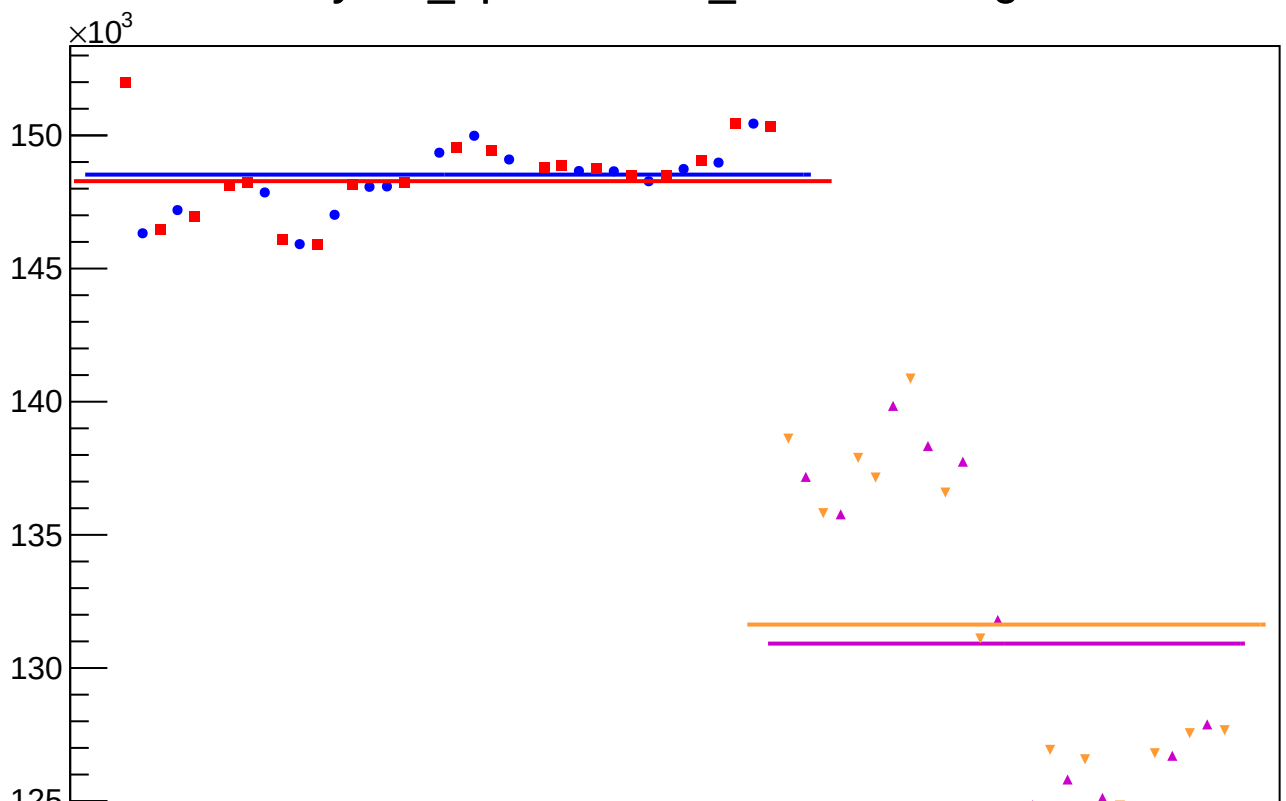
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 171.310+/-0.038 χ^2/NDF:310026.7/11

+ sign 163.425+/-0.028 χ^2/NDF: 1517396.0/29

All: 159.905+/-0.020 χ^2/NDF: 3155283.8/60

- sign 156.565+/-0.027 χ^2/NDF: 1607231.8/30



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131631.696+/-0.078 χ^2/NDF:5013179808.9/13

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

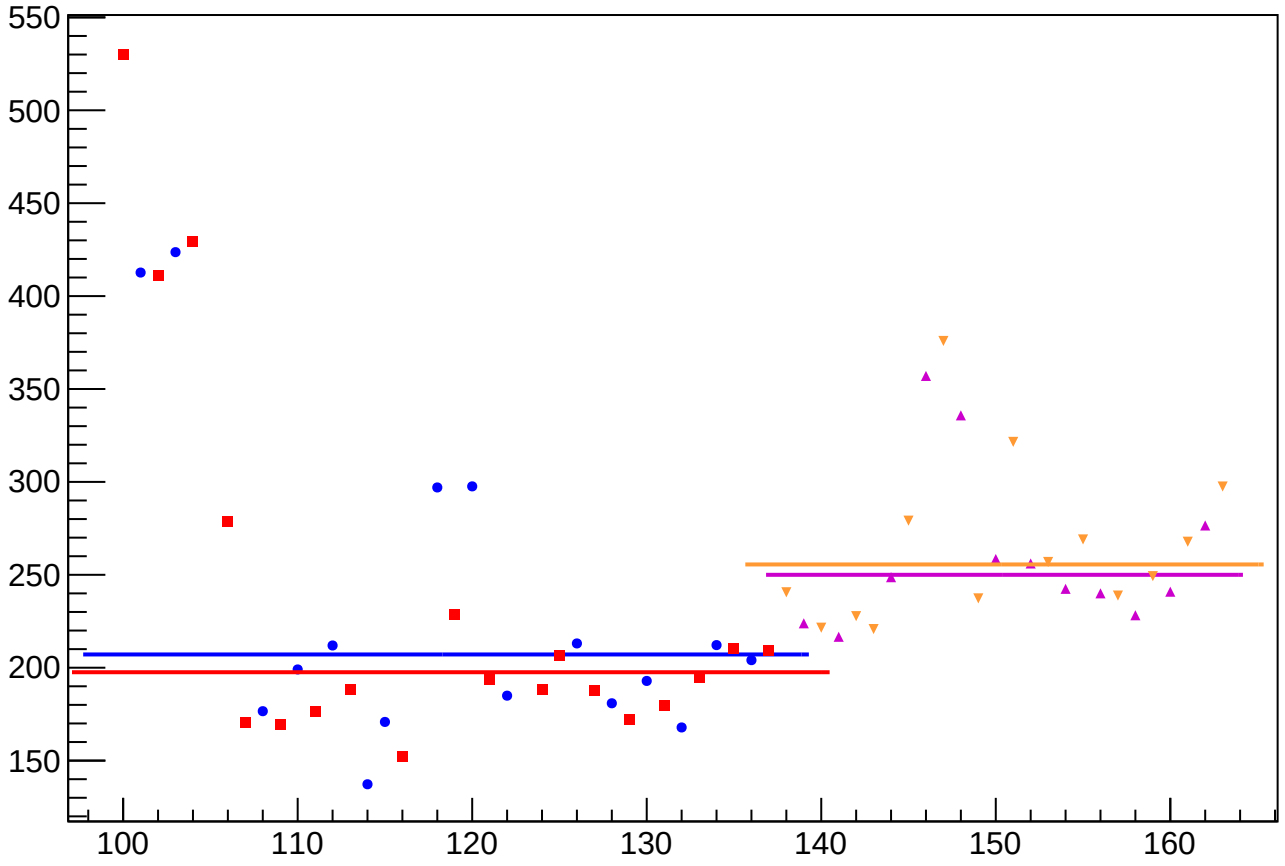
Left In: 130917.384+/-0.079 χ^2/NDF:5325011078.4/11

+ sign 139655.107+/-0.056 χ^2/NDF: 27549828727.

All: 139770.798+/-0.039 χ^2/NDF: 58037288

- sign 139880.712+/-0.055 χ^2/NDF: 30479273662.

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 255.573+/-0.055 χ^2/NDF:402404.5/13

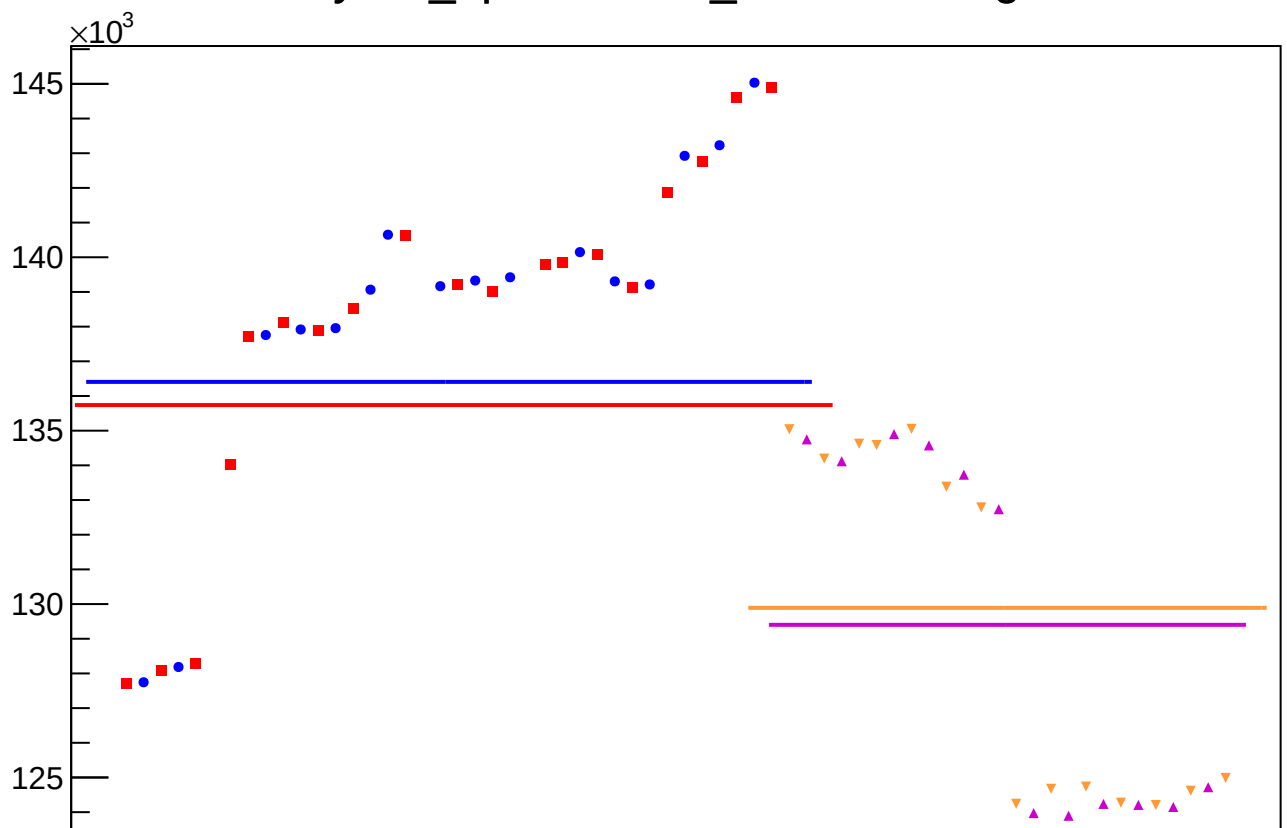
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 249.997+/-0.056 χ^2/NDF:366859.7/11

+ sign 232.571+/-0.040 χ^2/NDF: 1741633.7/29

All: 227.630+/-0.028 χ^2/NDF: 3495557.2/60

- sign 222.936+/-0.039 χ^2/NDF: 1724057.3/30



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129892.447+/-0.180 χ^2/NDF:759532191.8/13

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

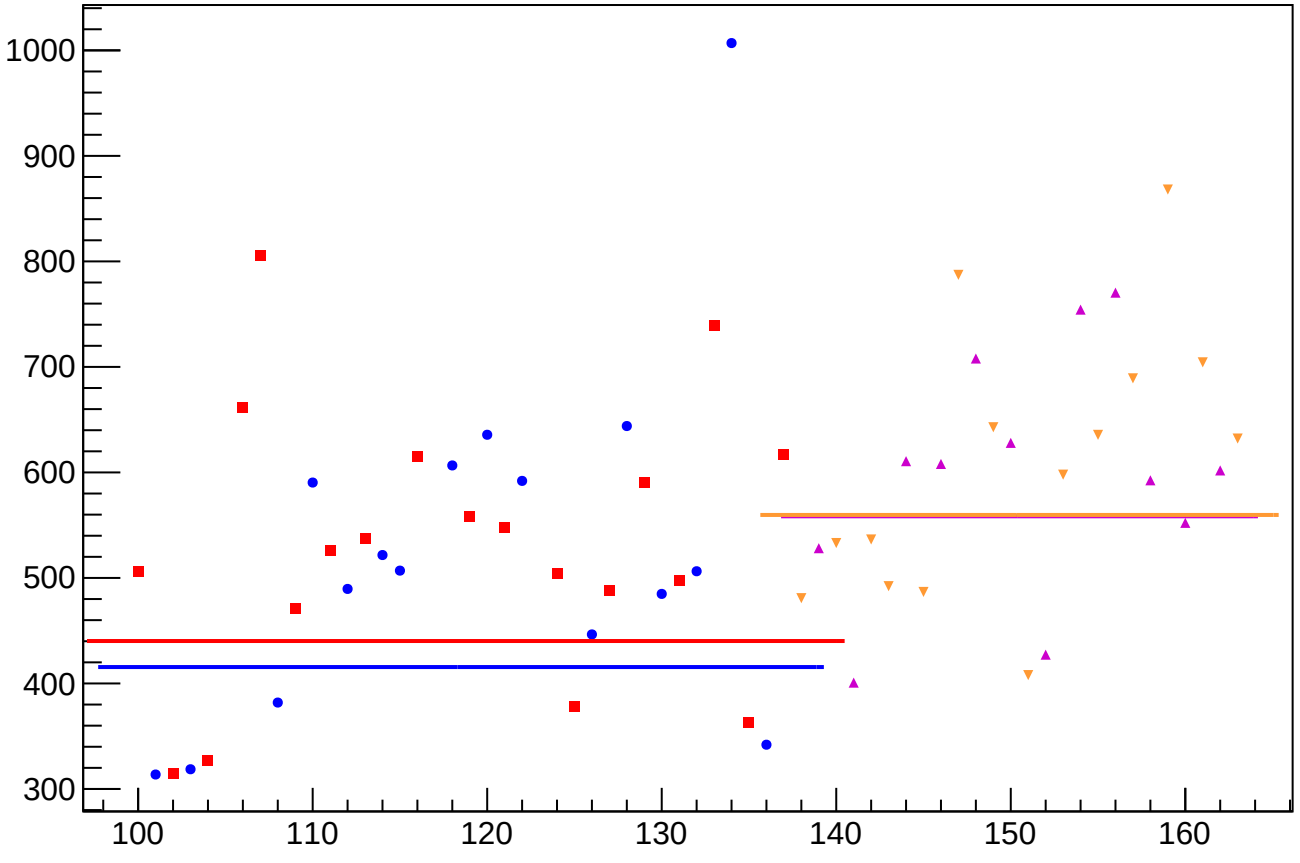
Left In: 129401.409+/-0.190 χ^2/NDF:697972820.7/11

+ sign 133365.617+/-0.123 χ^2/NDF: 3033788913.9

All: 133099.390+/-0.089 χ^2/NDF: 551133152

- sign 132804.826+/-0.129 χ^2/NDF: 2467688558.4/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.699+/-0.127 χ^2/NDF:795206.6/13

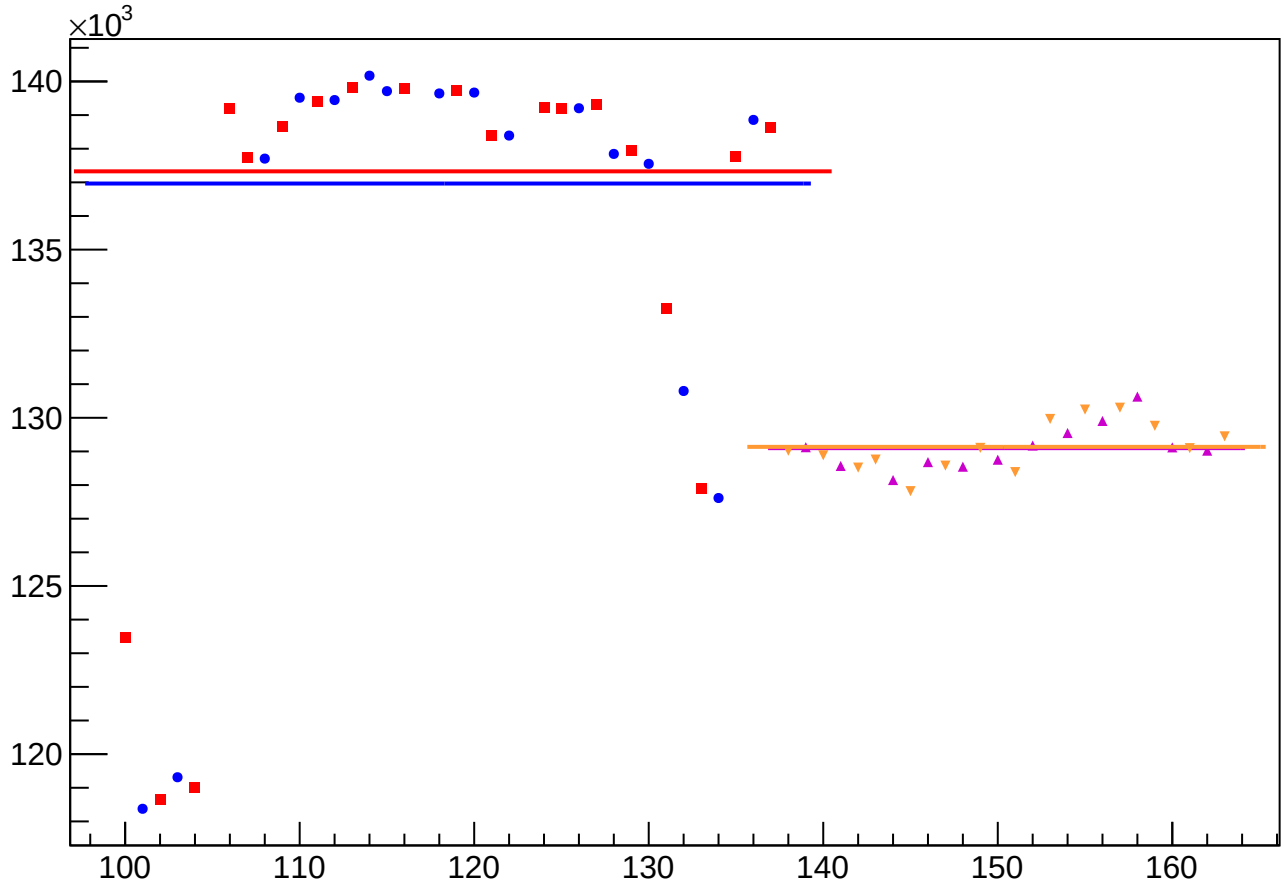
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 558.402+/-0.135 χ^2/NDF:683374.2/11

+ sign 482.845+/-0.087 χ^2/NDF: 2509554.8/29

All: 488.582+/-0.063 χ^2/NDF: 4527187.1/60

- sign 494.929+/-0.092 χ^2/NDF: 2008482.0/30



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129135.804+/-0.058 χ^2/NDF:147235101.3/13

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

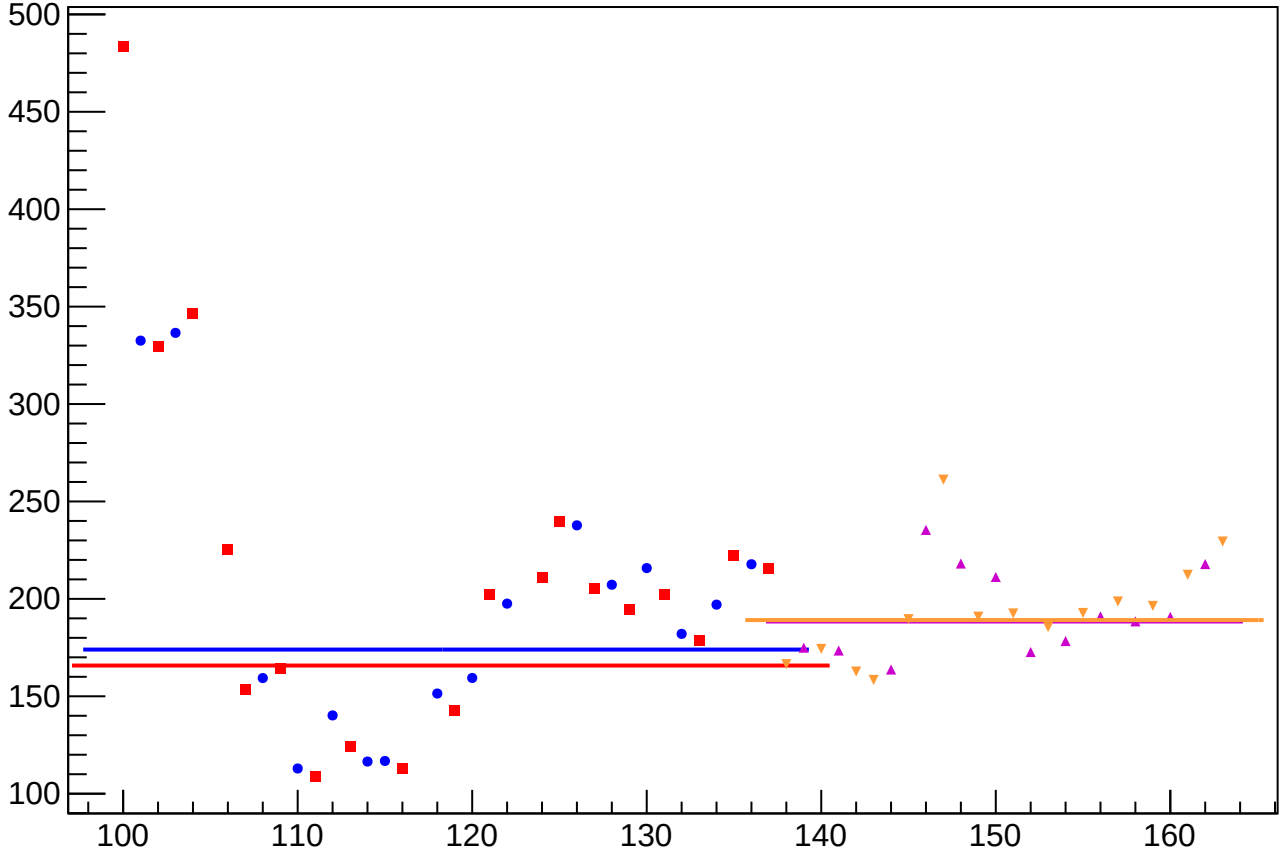
Left In: 129097.324+/-0.060 χ^2/NDF:125138755.1/11

+ sign 132313.919+/-0.044 χ^2/NDF: 13444607452.

All: 132565.223+/-0.031 χ^2/NDF: 279978206

- sign 132812.811+/-0.044 χ^2/NDF: 14489688235.3

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 189.116+/-0.041 χ^2/NDF:324802.7/13

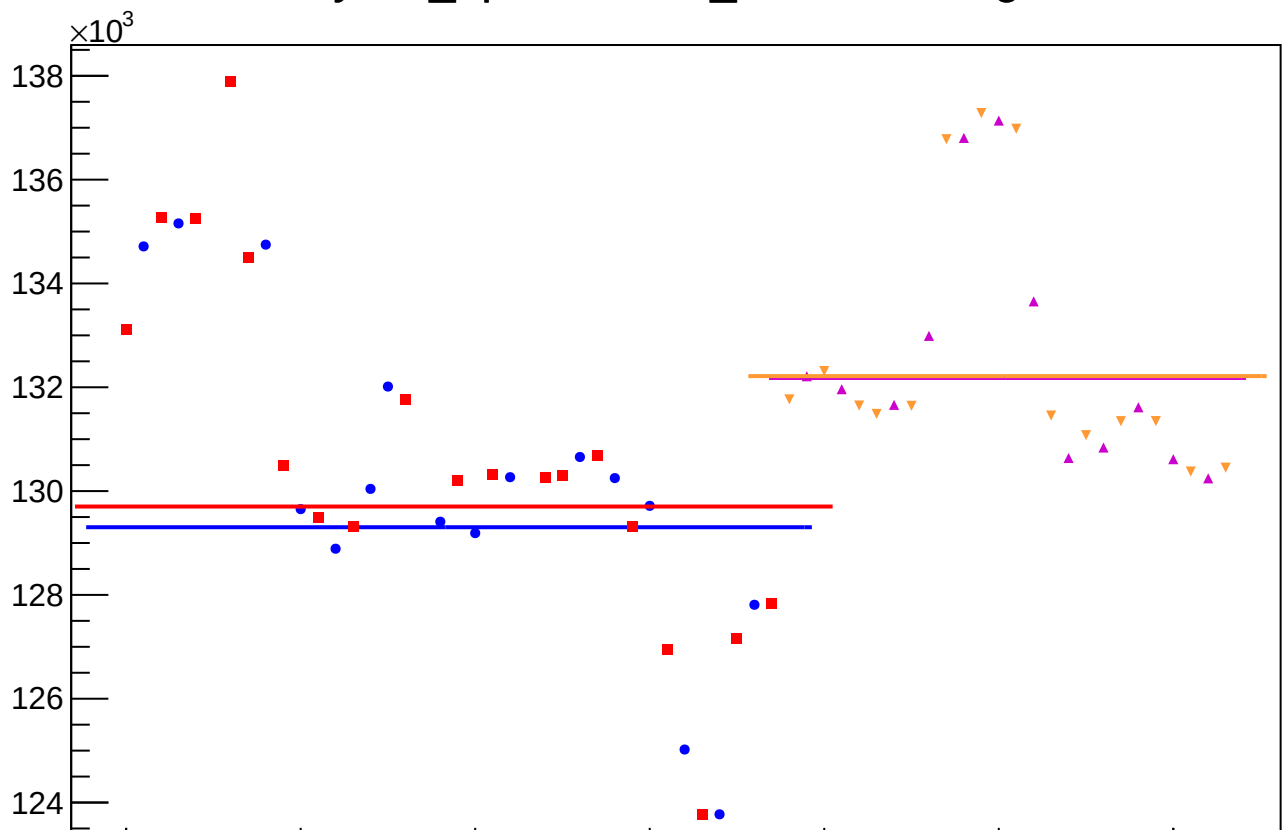
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 188.376+/-0.042 χ^2/NDF:232537.6/11

+ sign 182.972+/-0.031 χ^2/NDF: 1569267.5/29

All: 180.556+/-0.022 χ^2/NDF: 3376763.3/60

- sign 178.175+/-0.031 χ^2/NDF: 1795748.3/30



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132214.804+/-0.058 χ^2/NDF:1215234274.3/13

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

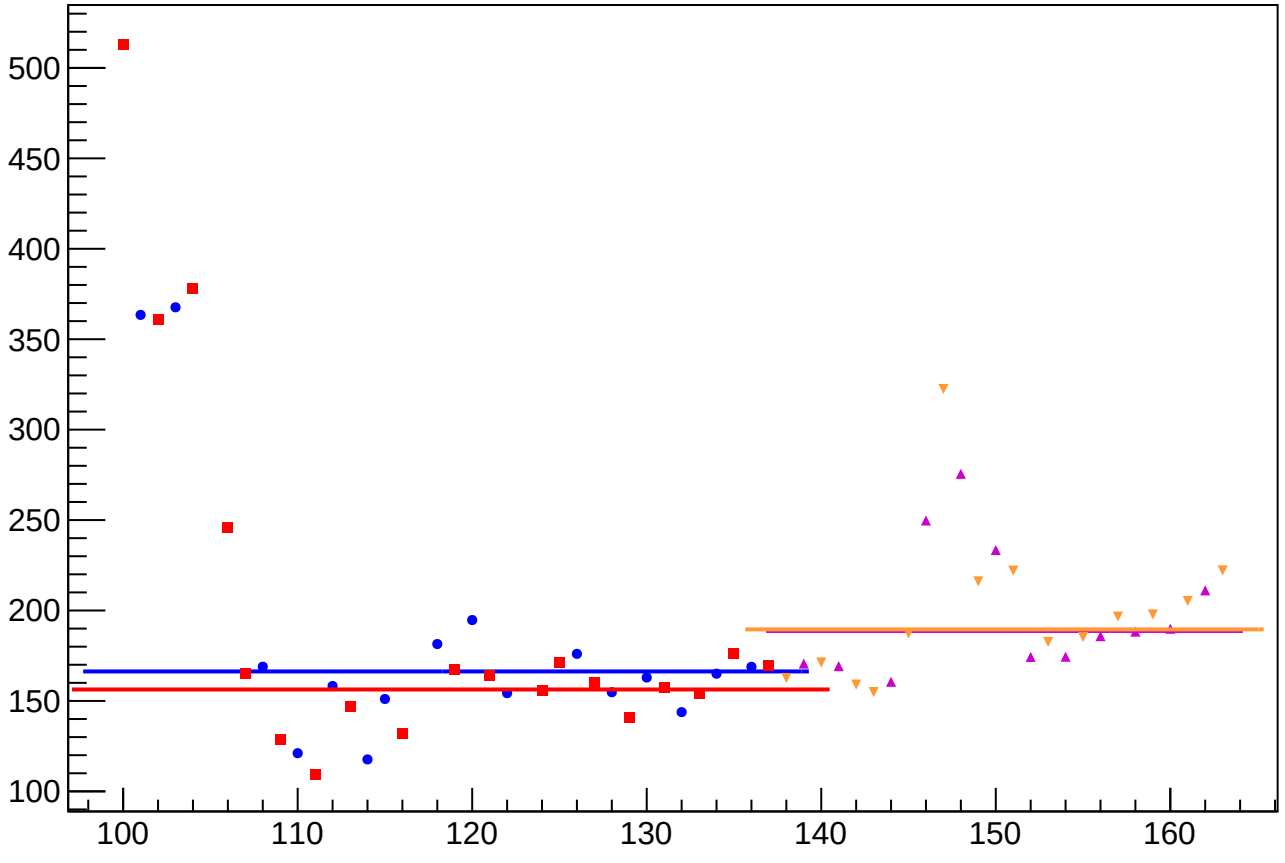
Left In: 132179.125+/-0.060 χ^2/NDF:943114292.9/11

+ sign 130945.339+/-0.044 χ^2/NDF: 3955719094.6

All: 130958.615+/-0.031 χ^2/NDF: 75064292

- sign 130971.445+/-0.043 χ^2/NDF: 3550528787.6/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 189.555+/-0.041 χ^2/NDF:559866.4/13

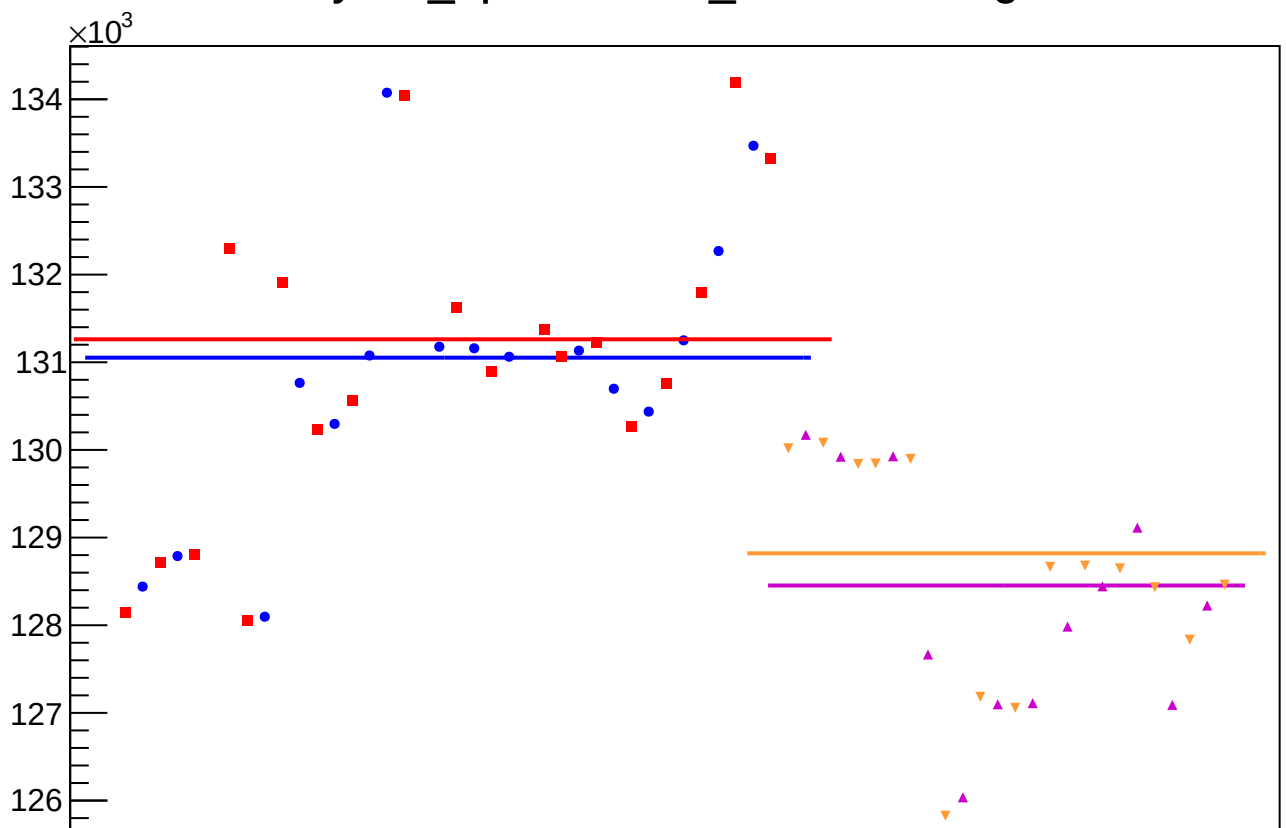
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 188.689+/-0.042 χ^2/NDF:466577.7/11

+ sign 179.415+/-0.031 χ^2/NDF: 1636954.5/29

All: 176.107+/-0.022 χ^2/NDF: 3582099.8/60

- sign 172.911+/-0.030 χ^2/NDF: 1922639.1/30



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128820.243+/-0.056 χ^2/NDF:434549852.7/13

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

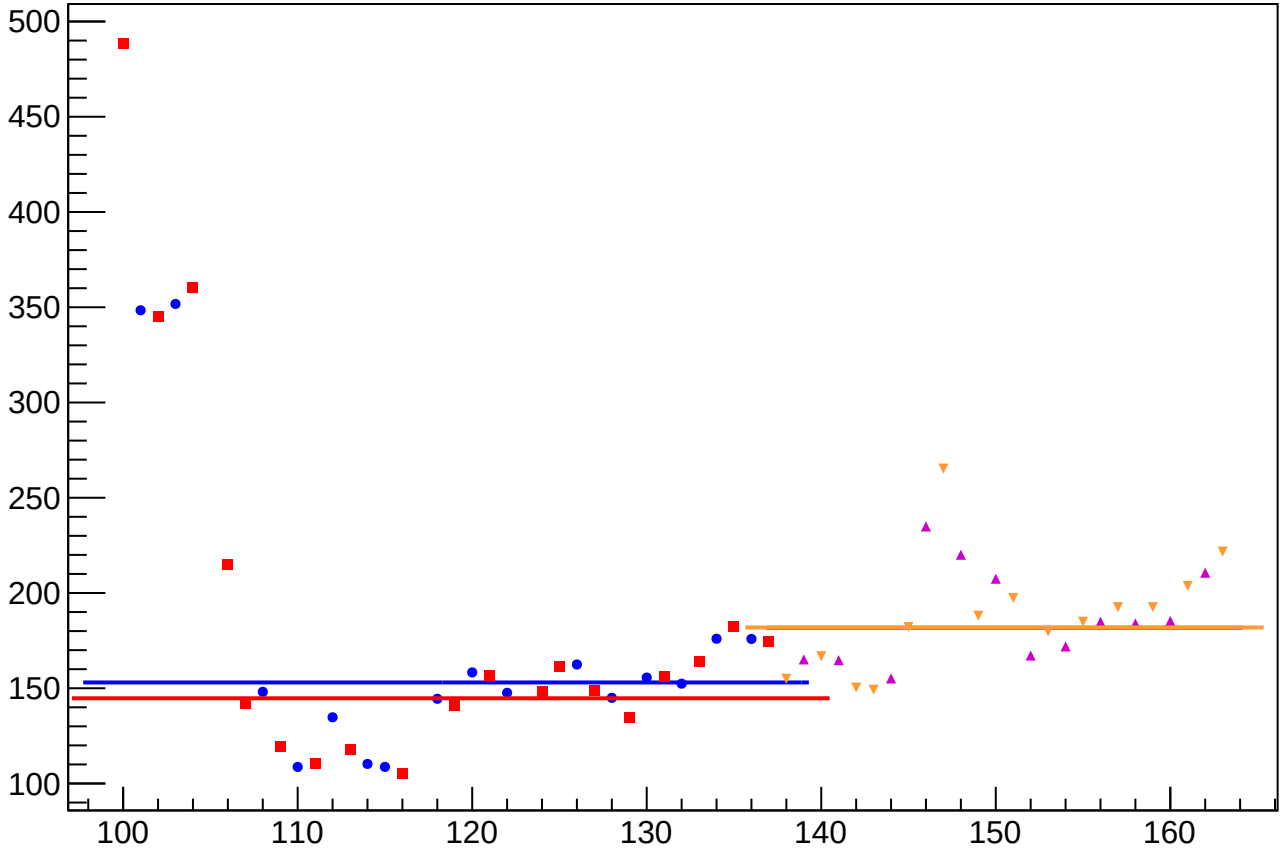
Left In: 128453.048+/-0.058 χ^2/NDF:501423316.5/11

+ sign 129838.940+/-0.041 χ^2/NDF: 1694874507.0/

All: 129859.023+/-0.029 χ^2/NDF: 401167212

- sign 129878.521+/-0.040 χ^2/NDF: 2316323941.5/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 181.902+/-0.039 χ^2/NDF:429548.0/13

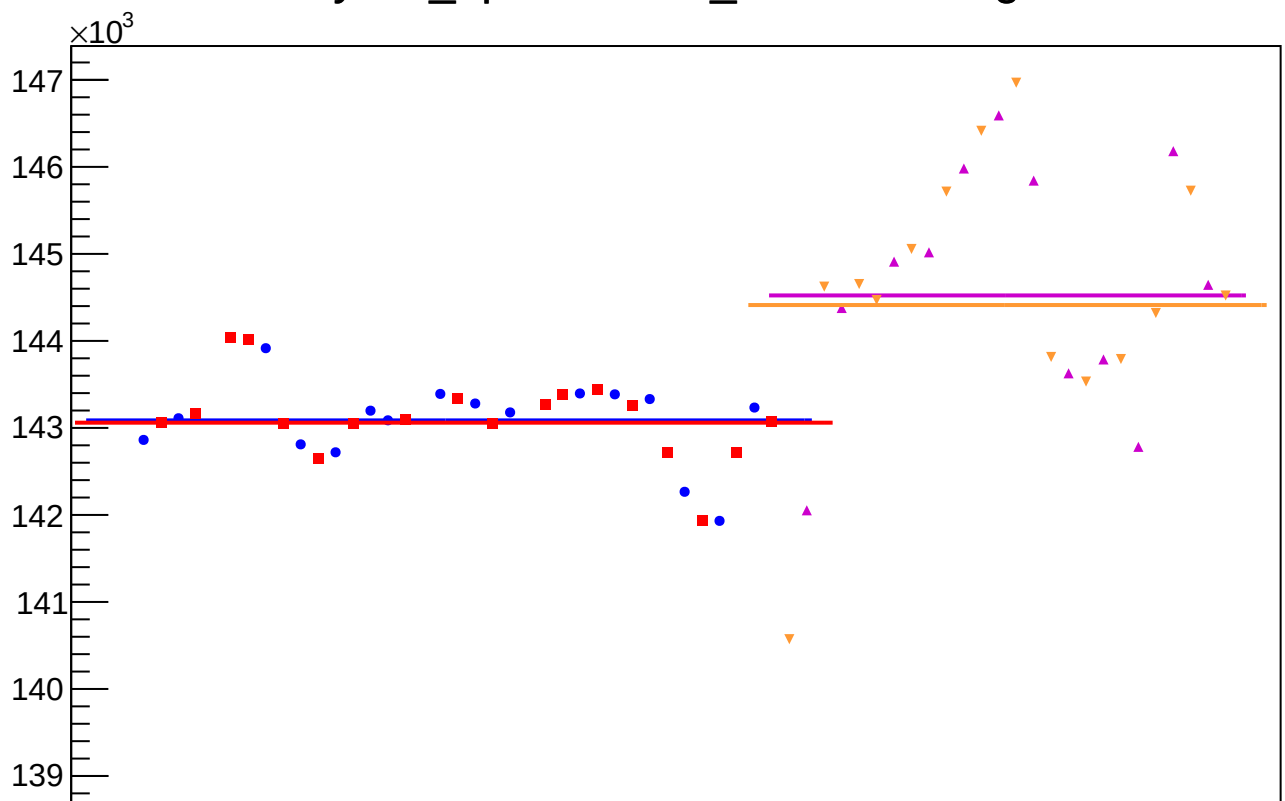
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 181.736+/-0.041 χ^2/NDF:303142.3/11

+ sign 168.732+/-0.029 χ^2/NDF: 1735276.9/29

All: 165.802+/-0.020 χ^2/NDF: 3742149.2/60

- sign 162.958+/-0.029 χ^2/NDF: 1986716.7/30



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144412.241+/-0.064 χ^2/NDF:594899225.9/13

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

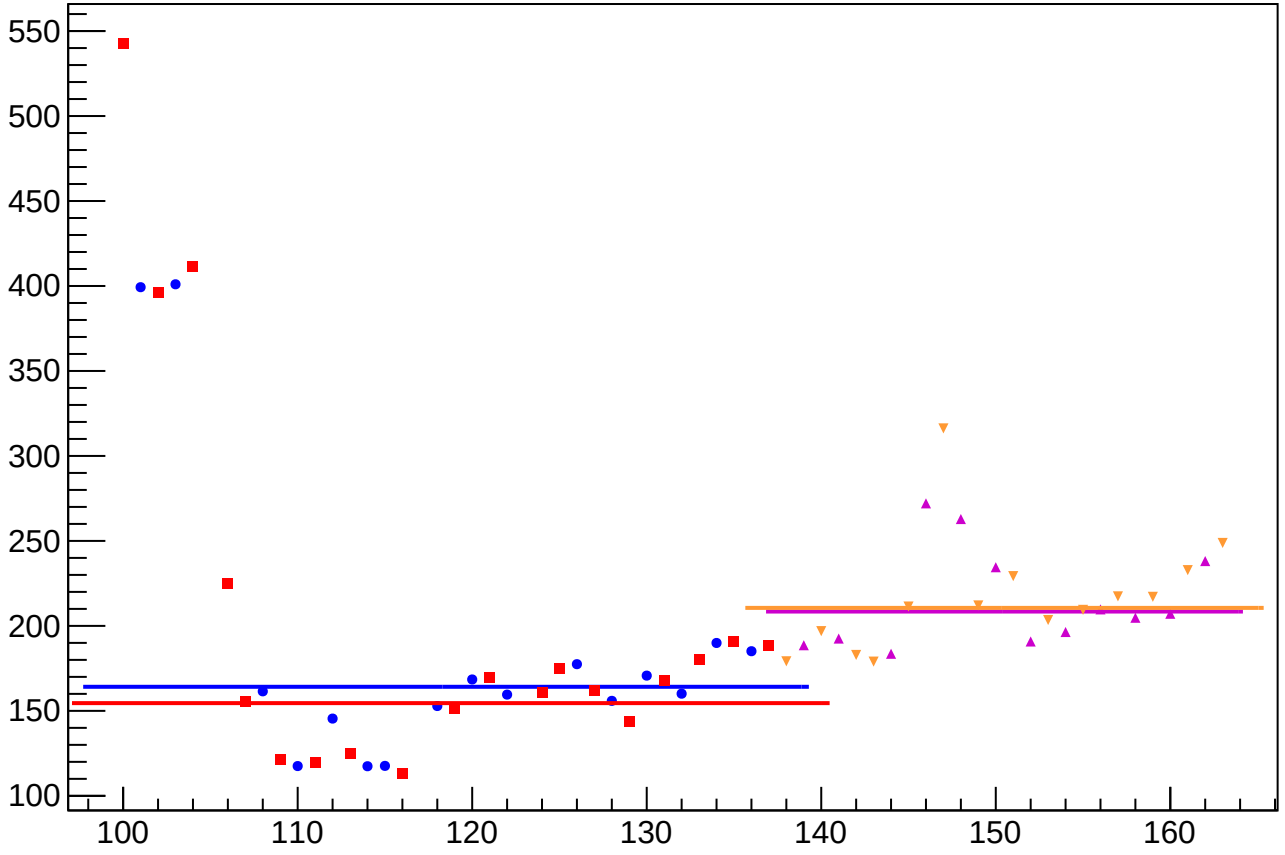
Left In: 144522.712+/-0.066 χ^2/NDF:427630973.5/11

+ sign 143756.714+/-0.046 χ^2/NDF: 851401467.2/2

All: 143742.959+/-0.032 χ^2/NDF: 15970887

- sign 143729.858+/-0.045 χ^2/NDF: 745510876.4/3

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 210.595+/-0.046 χ^2/NDF:375038.2/13

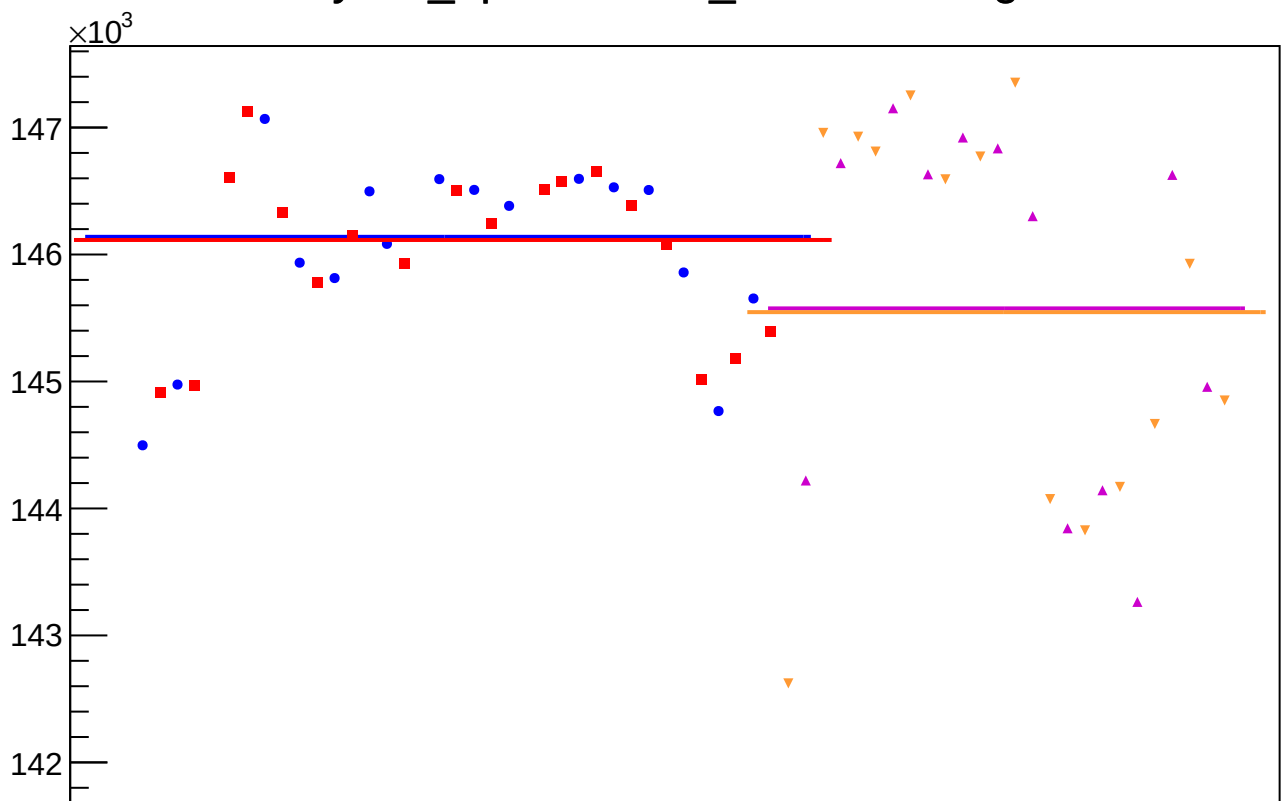
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 208.444+/-0.047 χ^2/NDF:295488.5/11

+ sign 187.639+/-0.032 χ^2/NDF: 2019351.8/29

All: 183.332+/-0.023 χ^2/NDF: 4438977.6/60

- sign 179.230+/-0.032 χ^2/NDF: 2385043.1/30



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145546.149+/-0.064 χ^2/NDF:601784017.6/13

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

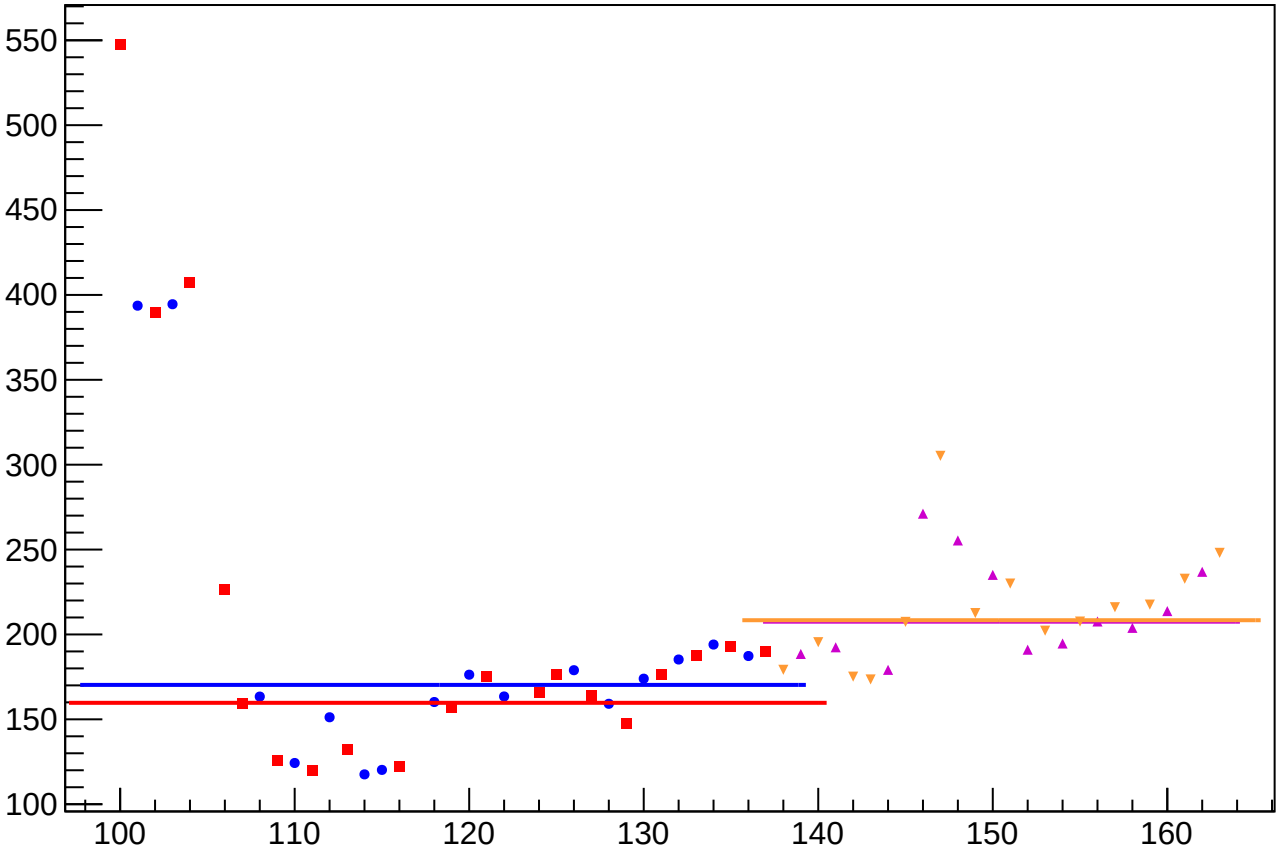
Left In: 145575.537+/-0.066 χ^2/NDF:457528435.6/11

+ sign 145825.773+/-0.046 χ^2/NDF: 714440799.8/2

All: 145842.577+/-0.032 χ^2/NDF: 12806416

- sign 145858.671+/-0.045 χ^2/NDF: 565942692.0/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 208.381+/-0.045 χ^2/NDF:388486.5/13

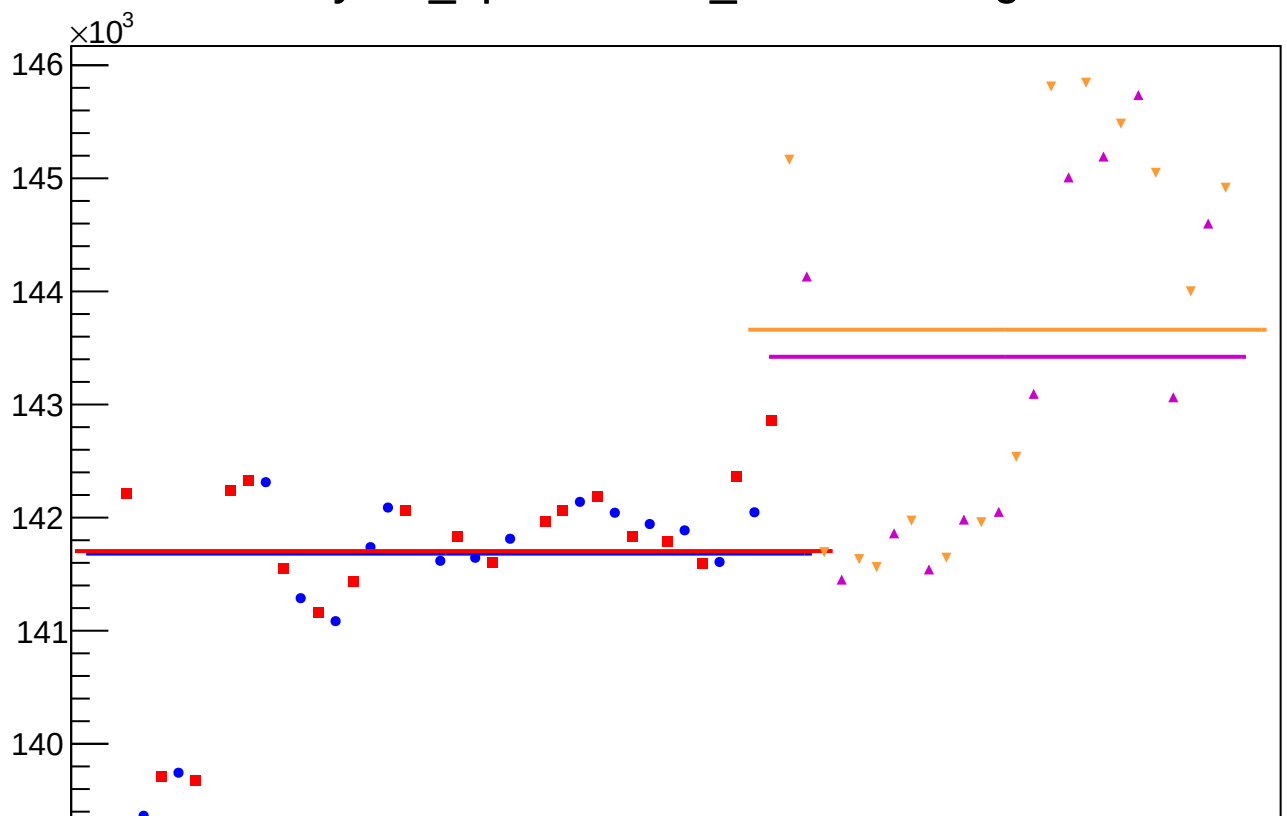
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 207.525+/-0.046 χ^2/NDF:294964.9/11

\+ sign 190.417+/-0.033 χ^2/NDF: 1784025.3/29

All: 186.328+/-0.023 χ^2/NDF: 3956467.7/60

\- sign 182.411+/-0.032 χ^2/NDF: 2141865.9/30



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143661.500+/-0.067 χ^2/NDF:658354022.9/13

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

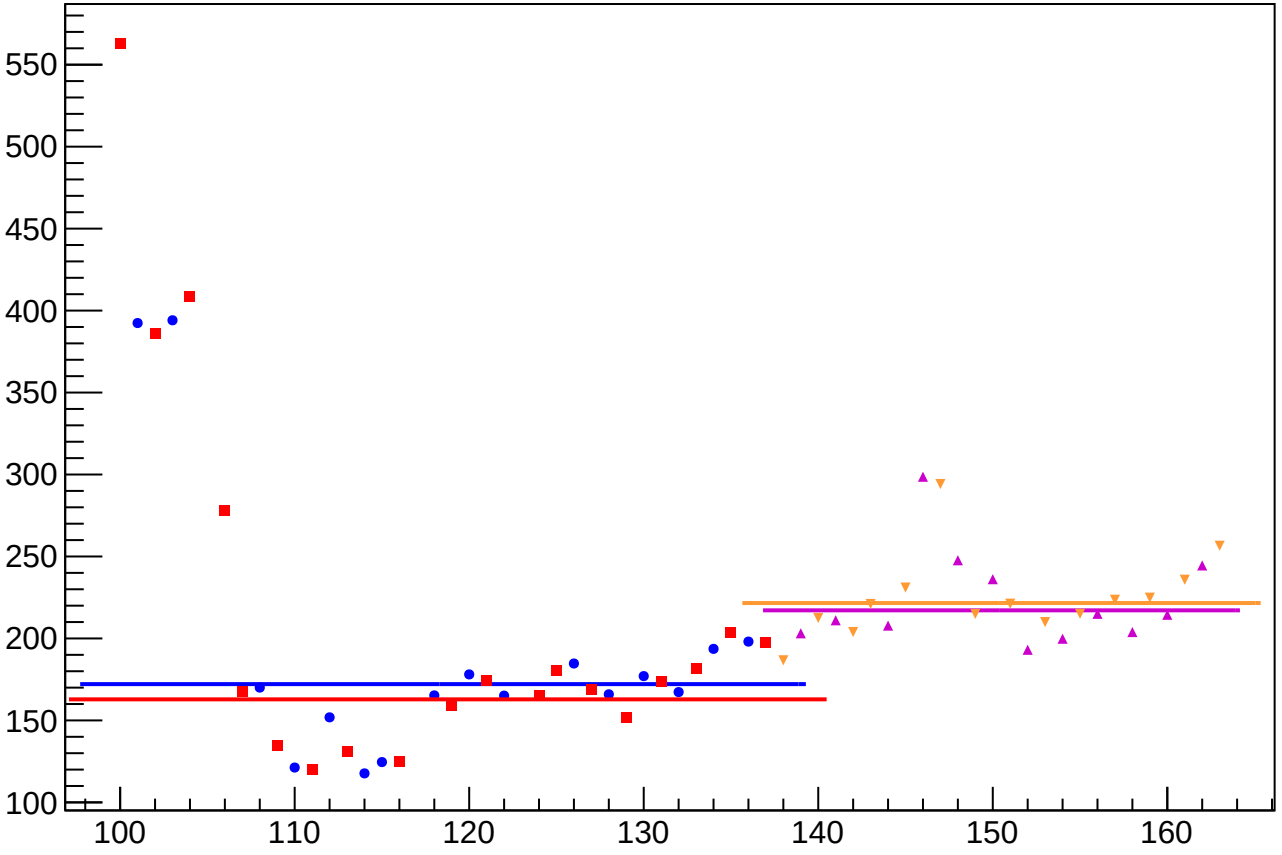
Left In: 143422.016+/-0.069 χ^2/NDF:469029509.5/11

+ sign 142685.254+/-0.048 χ^2/NDF: 1148842739.1

All: 142589.825+/-0.033 χ^2/NDF: 20266471

- sign 142499.039+/-0.047 χ^2/NDF: 870072862.0/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 221.608+/-0.048 χ^2/NDF:210700.2/13

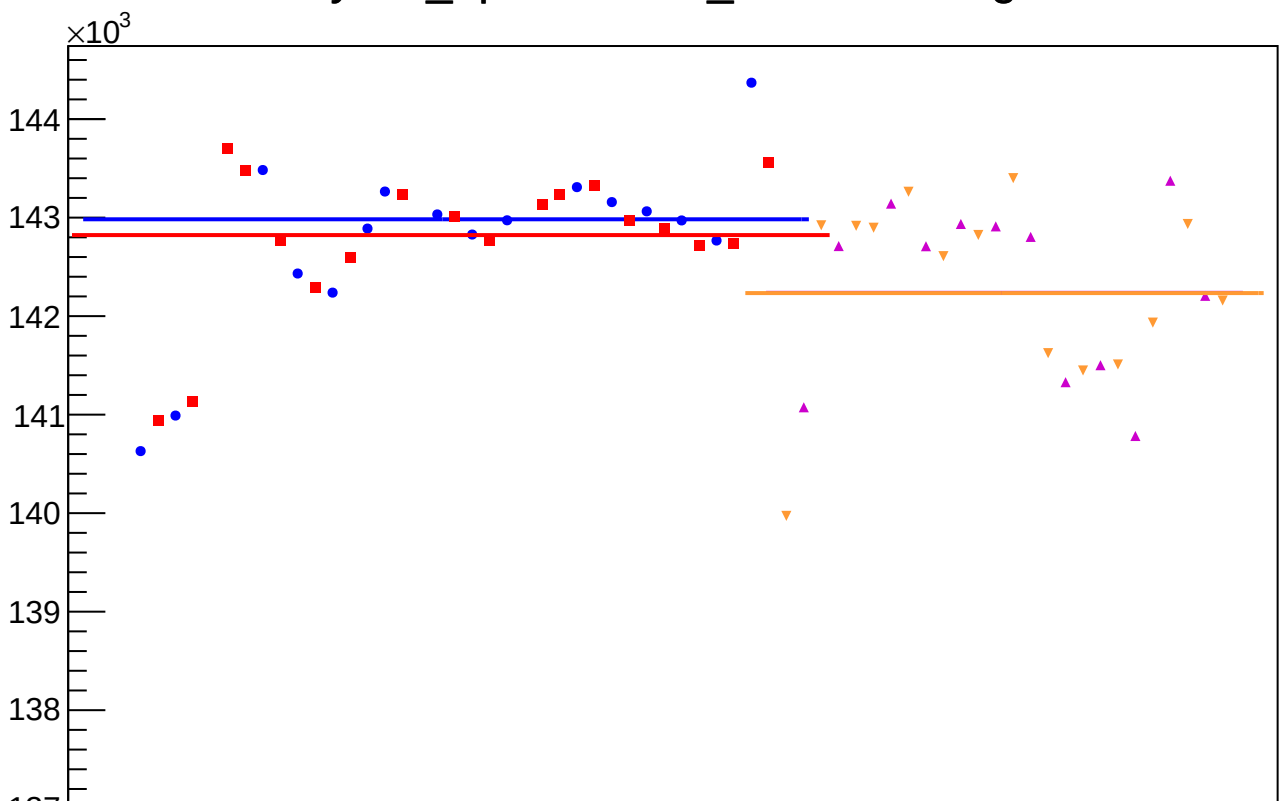
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 217.144+/-0.049 χ^2/NDF:244766.9/11

+ sign 197.213+/-0.034 χ^2/NDF: 1811555.3/29

All: 192.476+/-0.024 χ^2/NDF: 4070744.4/60

- sign 187.970+/-0.033 χ^2/NDF: 2221089.5/30



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142233.970+/-0.062 χ^2/NDF:247221986.8/13

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

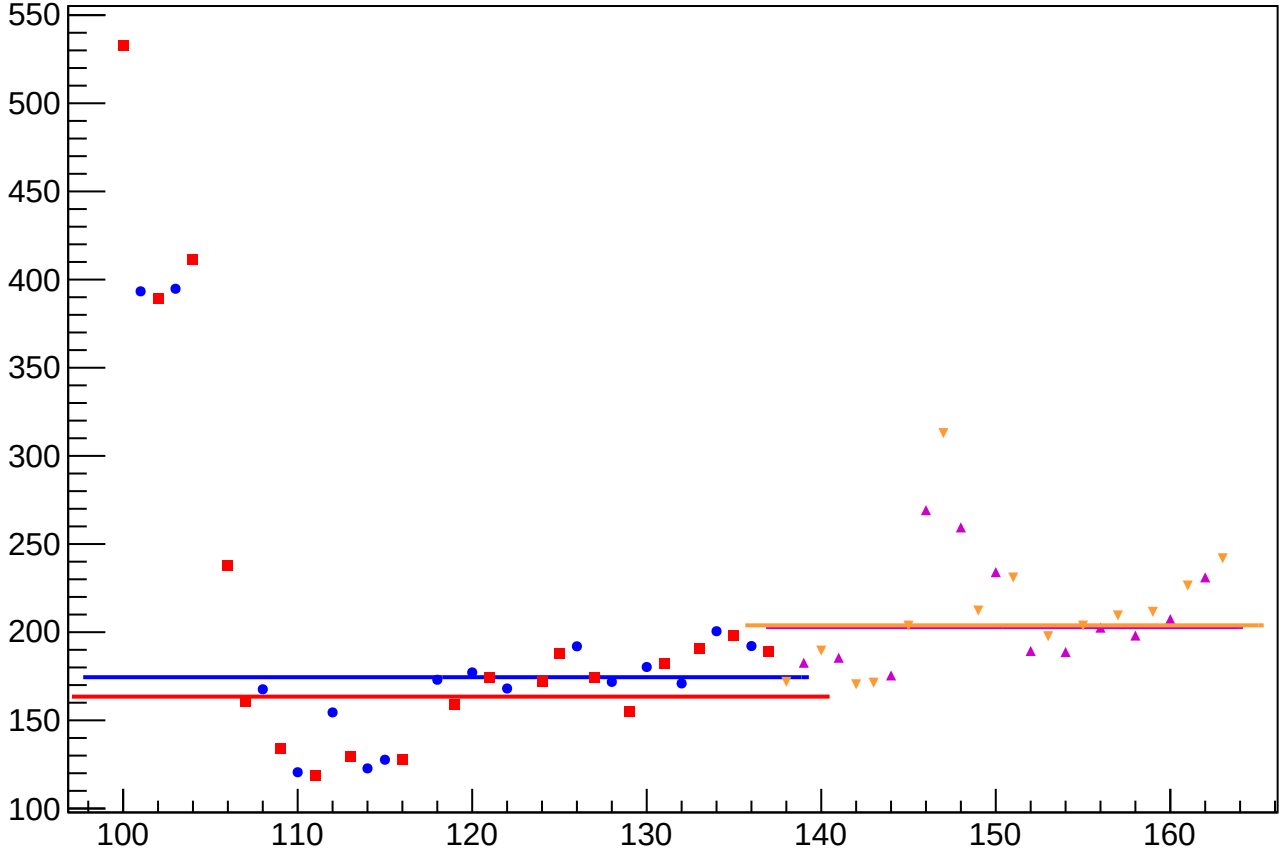
Left In: 142236.480+/-0.064 χ^2/NDF:188329307.2/11

+ sign 142569.677+/-0.046 χ^2/NDF: 419738347.0/2

All: 142549.771+/-0.032 χ^2/NDF: 71377544

- sign 142530.639+/-0.045 χ^2/NDF: 293674070.4/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 203.892+/-0.044 χ^2/NDF:438056.9/13

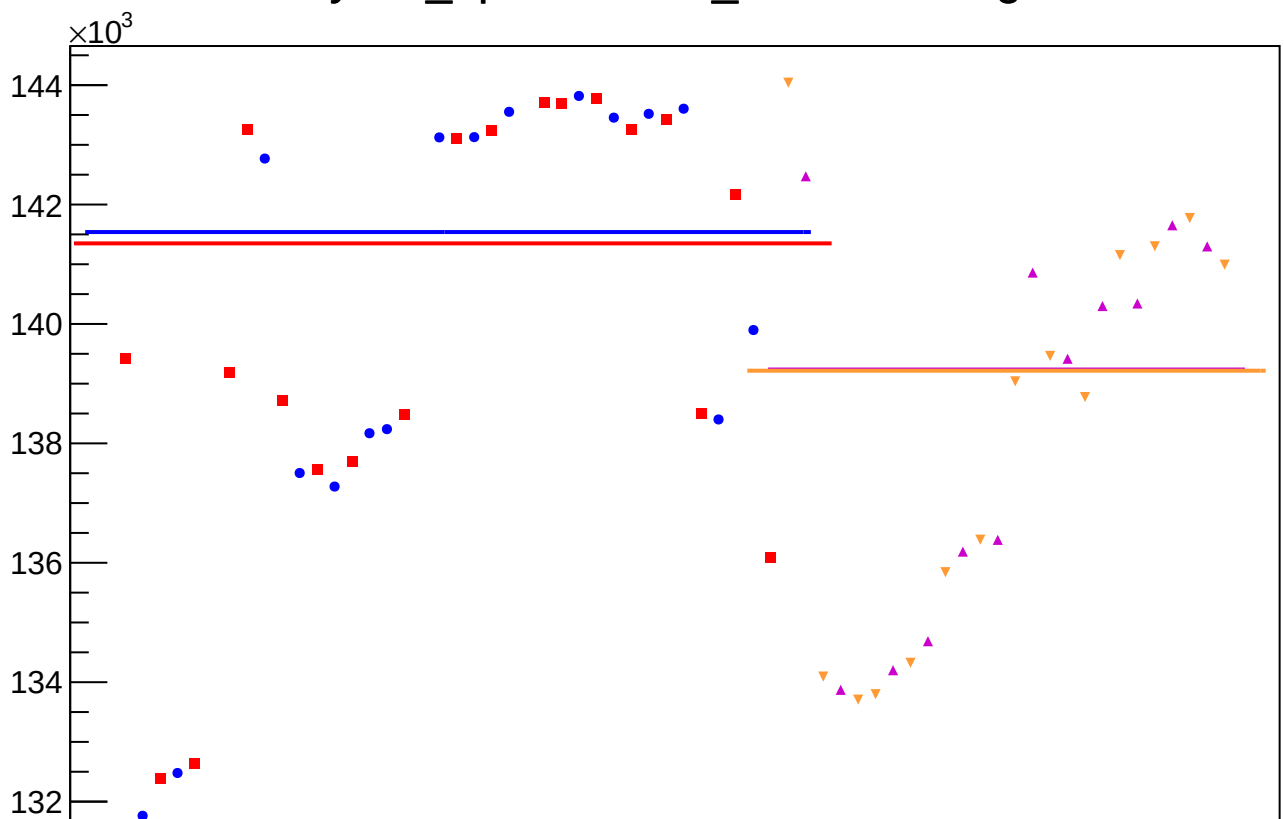
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 202.863+/-0.045 χ^2/NDF:336468.1/11

+ sign 190.704+/-0.033 χ^2/NDF: 1687241.5/29

All: 186.819+/-0.023 χ^2/NDF: 3711413.4/60

- sign 183.086+/-0.032 χ^2/NDF: 1996524.6/30



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139217.169+/-0.092 χ^2/NDF:1407424456.5/13

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

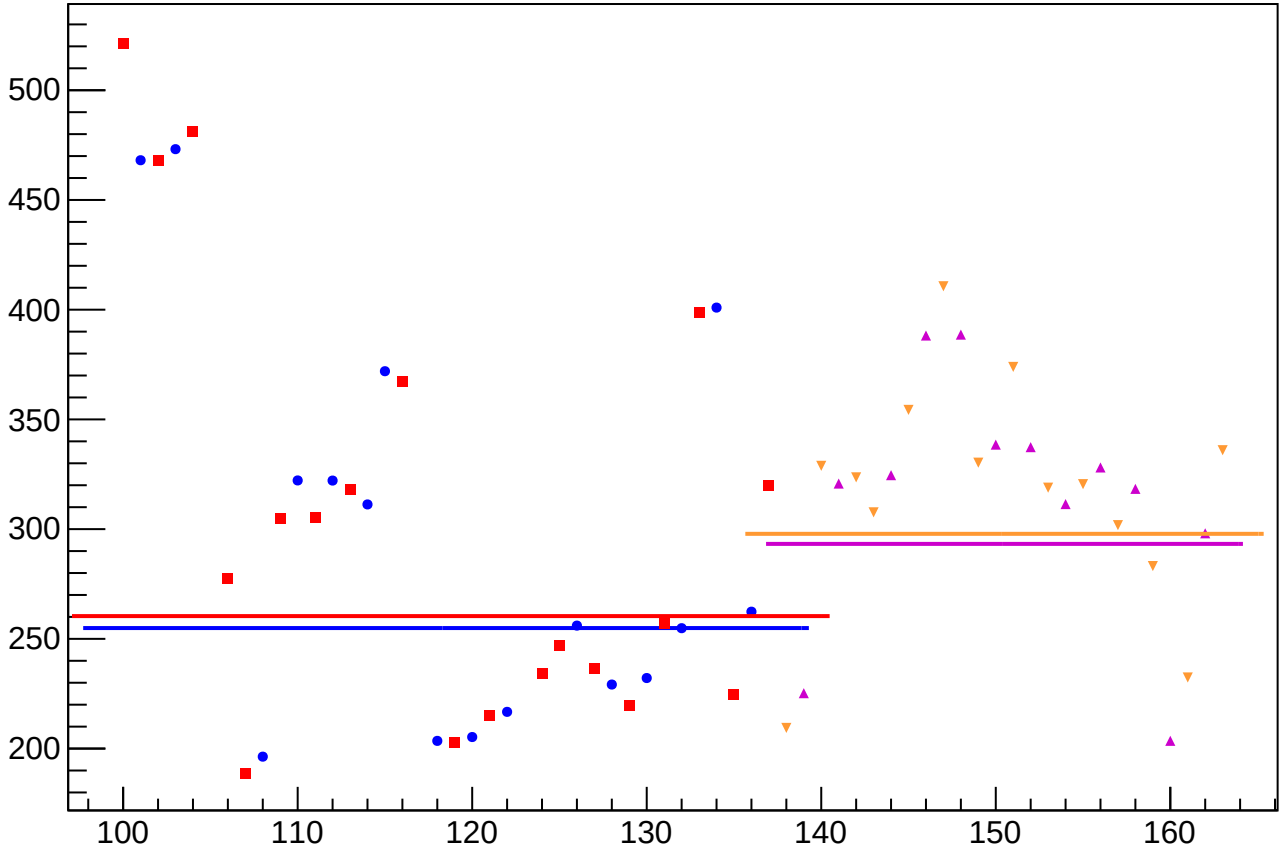
Left In: 139236.801+/-0.095 χ^2/NDF:1028177222.9/11

+ sign 140273.032+/-0.068 χ^2/NDF: 2644561553.5

All: 140248.684+/-0.048 χ^2/NDF: 48325998

- sign 140223.552+/-0.069 χ^2/NDF: 2187777614.1/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 297.859+/-0.065 χ^2/NDF:705287.8/13

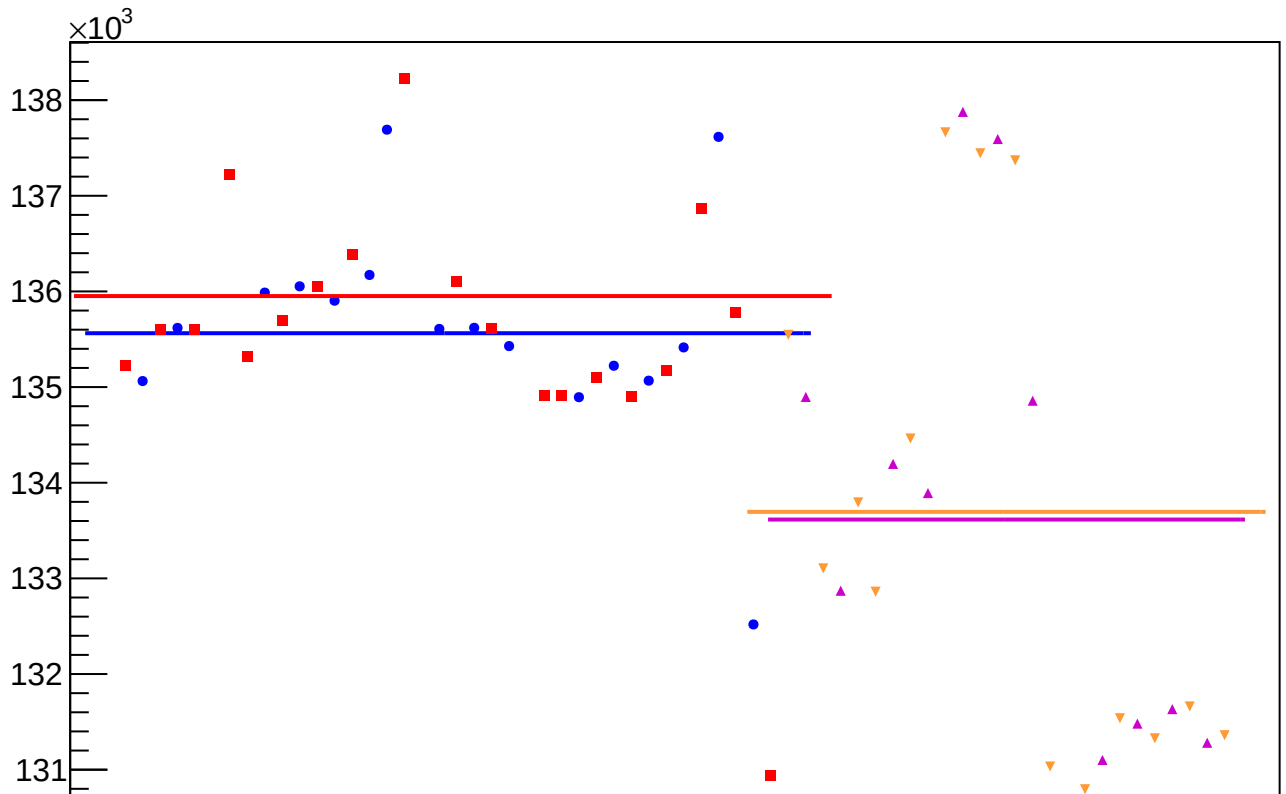
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 293.272+/-0.067 χ^2/NDF:786183.7/11

\+ sign 278.336+/-0.048 χ^2/NDF: 1853119.1/29

All: 278.123+/-0.034 χ^2/NDF: 3745644.6/60

\- sign 277.904+/-0.049 χ^2/NDF: 1892486.0/30



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133695.455+/-0.080 χ^2/NDF:644700397.4/13

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

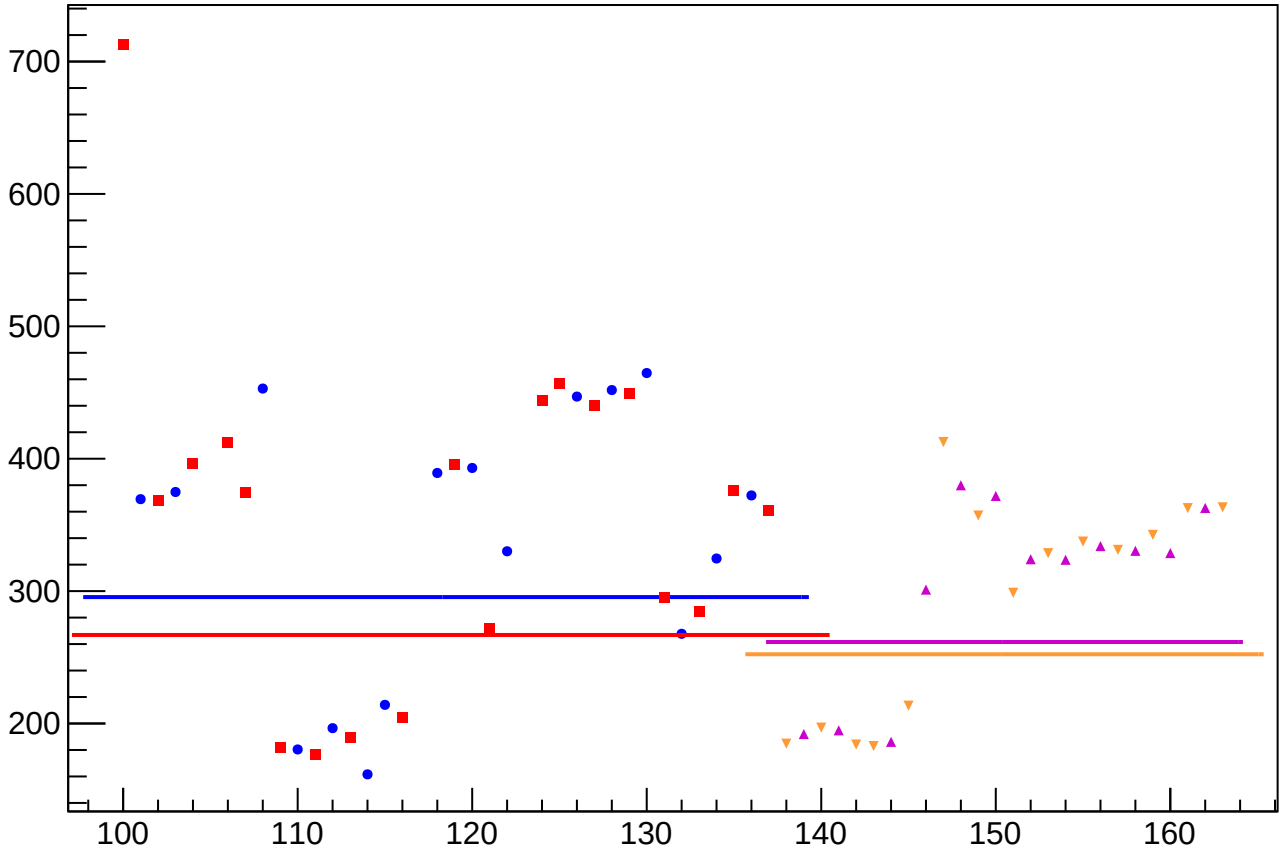
Left In: 133615.032+/-0.086 χ^2/NDF:499551686.1/11

+ sign 134280.790+/-0.066 χ^2/NDF: 909832136.2/2

All: 134406.198+/-0.047 χ^2/NDF: 18011414

- sign 134533.167+/-0.067 χ^2/NDF: 884100069.3/3

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 252.299+/-0.057 χ^2/NDF:1850192.4/13

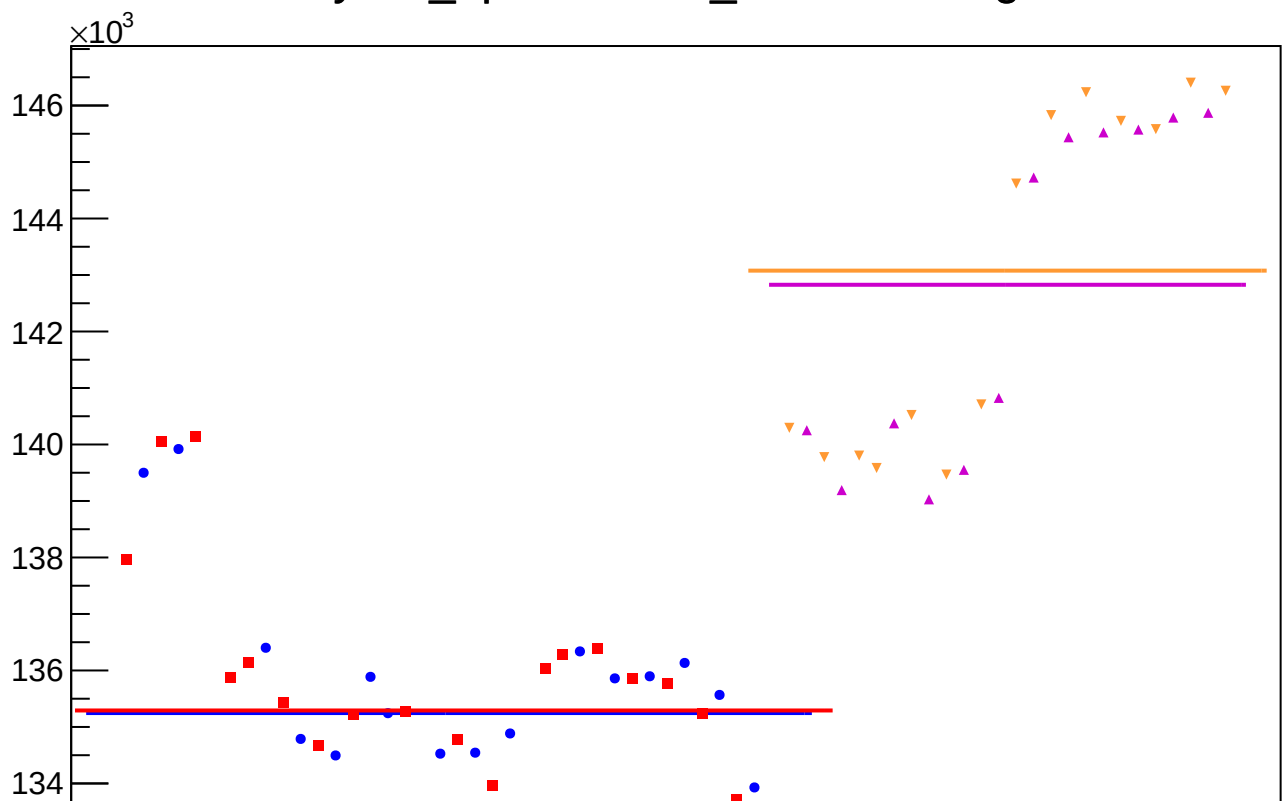
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 261.551+/-0.061 χ^2/NDF:1521958.4/11

+ sign 265.833+/-0.047 χ^2/NDF: 3475519.6/29

All: 264.743+/-0.033 χ^2/NDF: 6679671.6/60

- sign 263.639+/-0.047 χ^2/NDF: 3203061.8/30



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143077.417+/-0.058 χ^2/NDF:2492449161.0/13

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

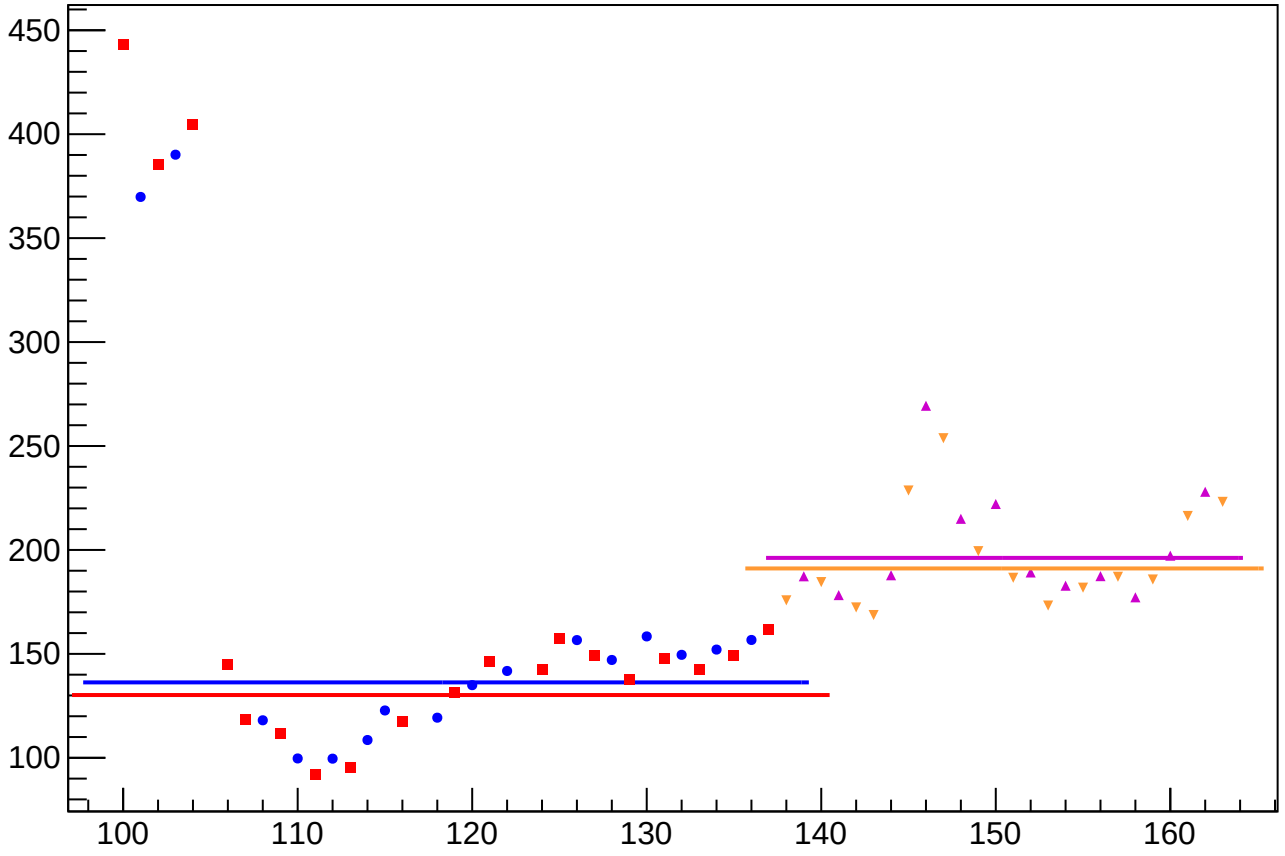
Left In: 142826.914+/-0.062 χ^2/NDF:2057864435.3/11

+ sign 138916.343+/-0.040 χ^2/NDF: 12478807463.

All: 138646.104+/-0.028 χ^2/NDF: 23691083

- sign 138377.519+/-0.040 χ^2/NDF: 11121585260.9

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 191.098+/-0.041 χ^2/NDF:272763.6/13

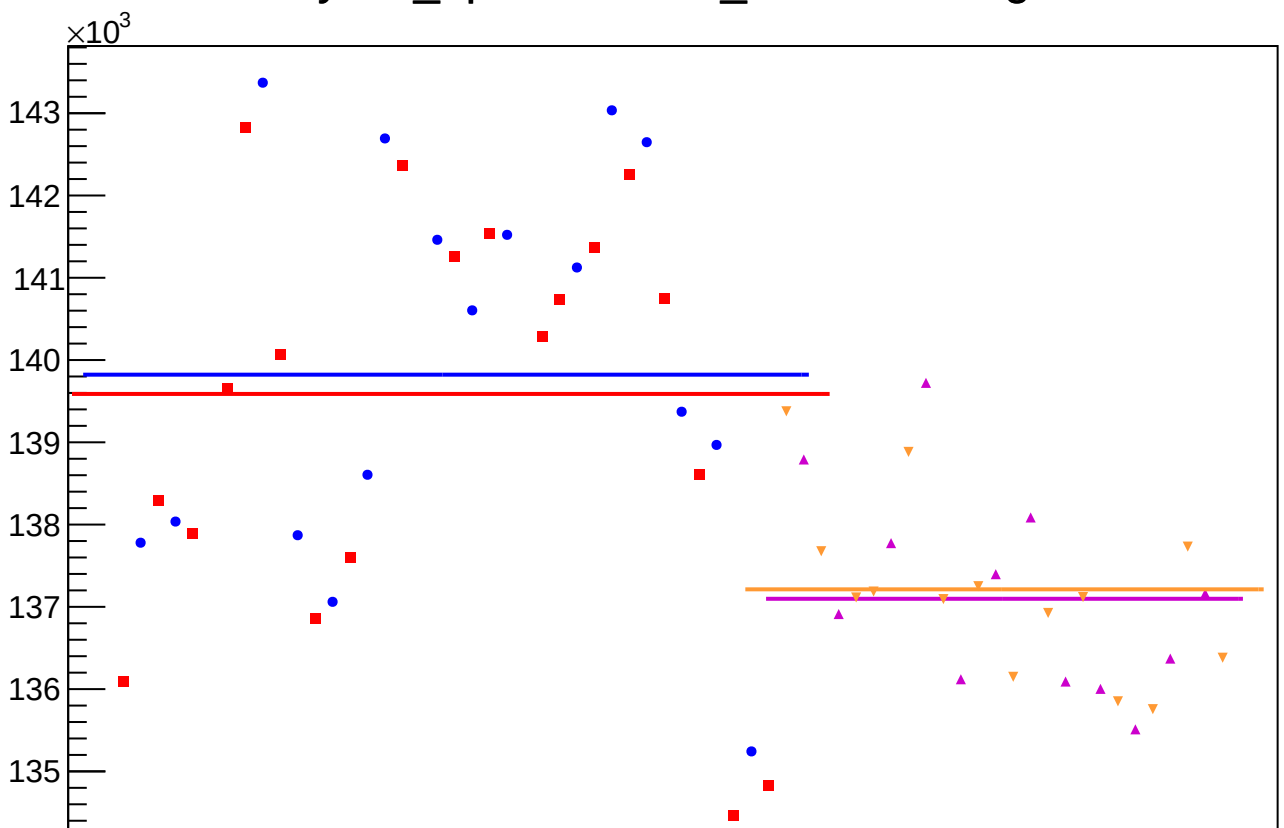
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 196.177+/-0.044 χ^2/NDF:250832.7/11

+ sign 161.973+/-0.028 χ^2/NDF: 2597253.6/29

All: 159.590+/-0.020 χ^2/NDF: 5714179.8/60

- sign 157.222+/-0.028 χ^2/NDF: 3102692.9/30



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137212.825+/-0.060 χ^2/NDF:294228515.4/13

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

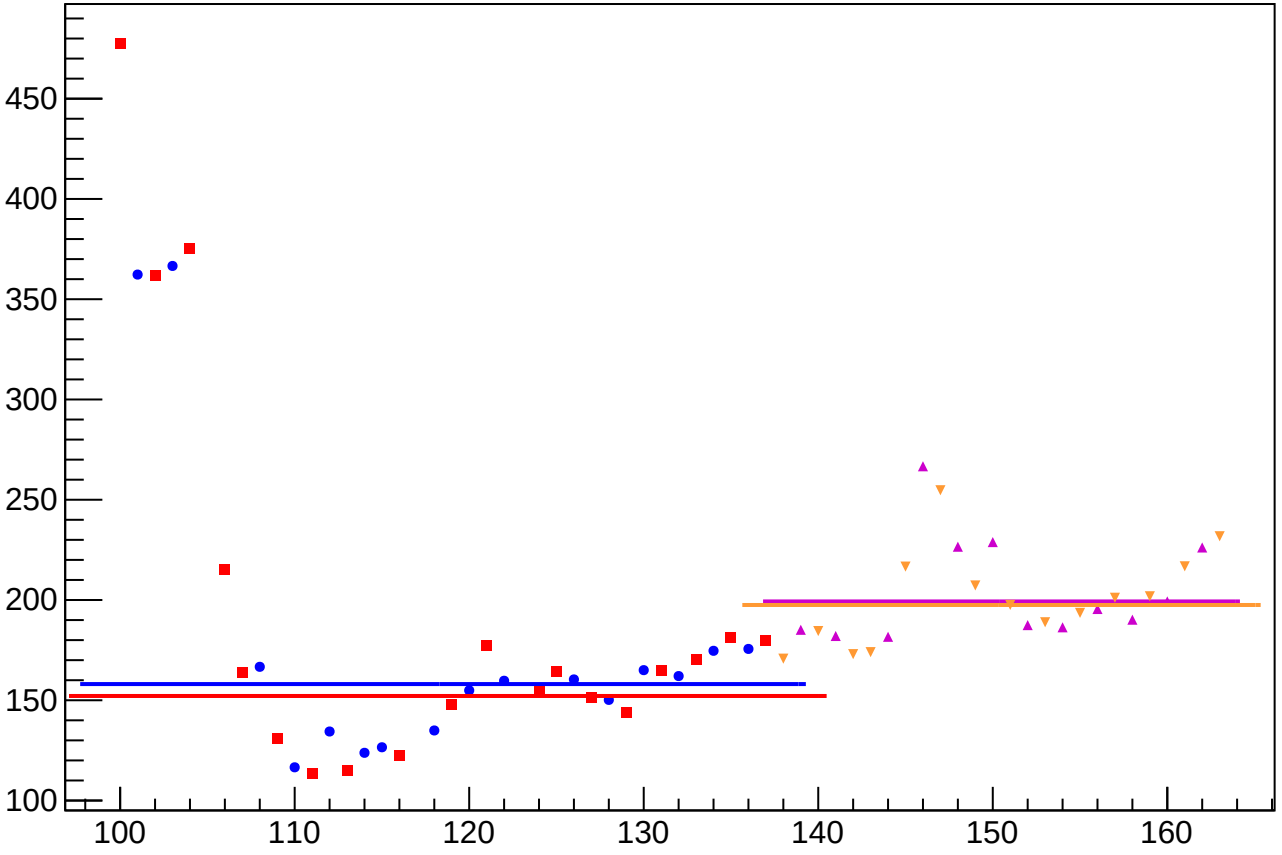
Left In: 137097.911+/-0.063 χ^2/NDF:326994571.6/11

+ sign 138469.408+/-0.043 χ^2/NDF: 2858548847.9

All: 138441.754+/-0.031 χ^2/NDF: 54885842

- sign 138414.115+/-0.043 χ^2/NDF: 2629224894.2/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 197.519+/-0.043 χ^2/NDF:242054.2/13

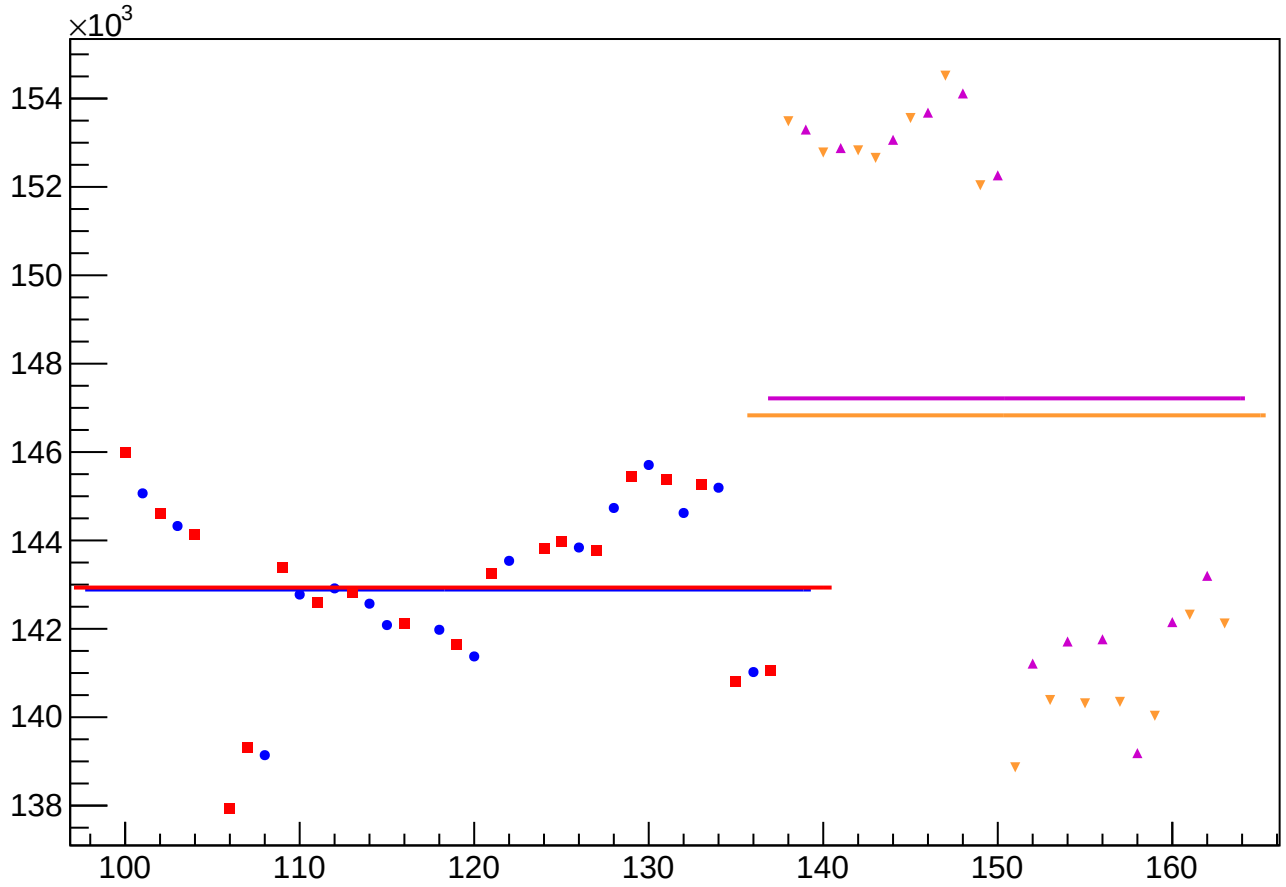
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.288+/-0.045 χ^2/NDF:246220.8/11

+ sign 178.526+/-0.031 χ^2/NDF: 1671647.2/29

All: 176.445+/-0.022 χ^2/NDF: 3743630.1/60

- sign 174.365+/-0.031 χ^2/NDF: 2062804.6/30



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146830.852+/-0.061 χ^2/NDF:10690551276.5/13

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

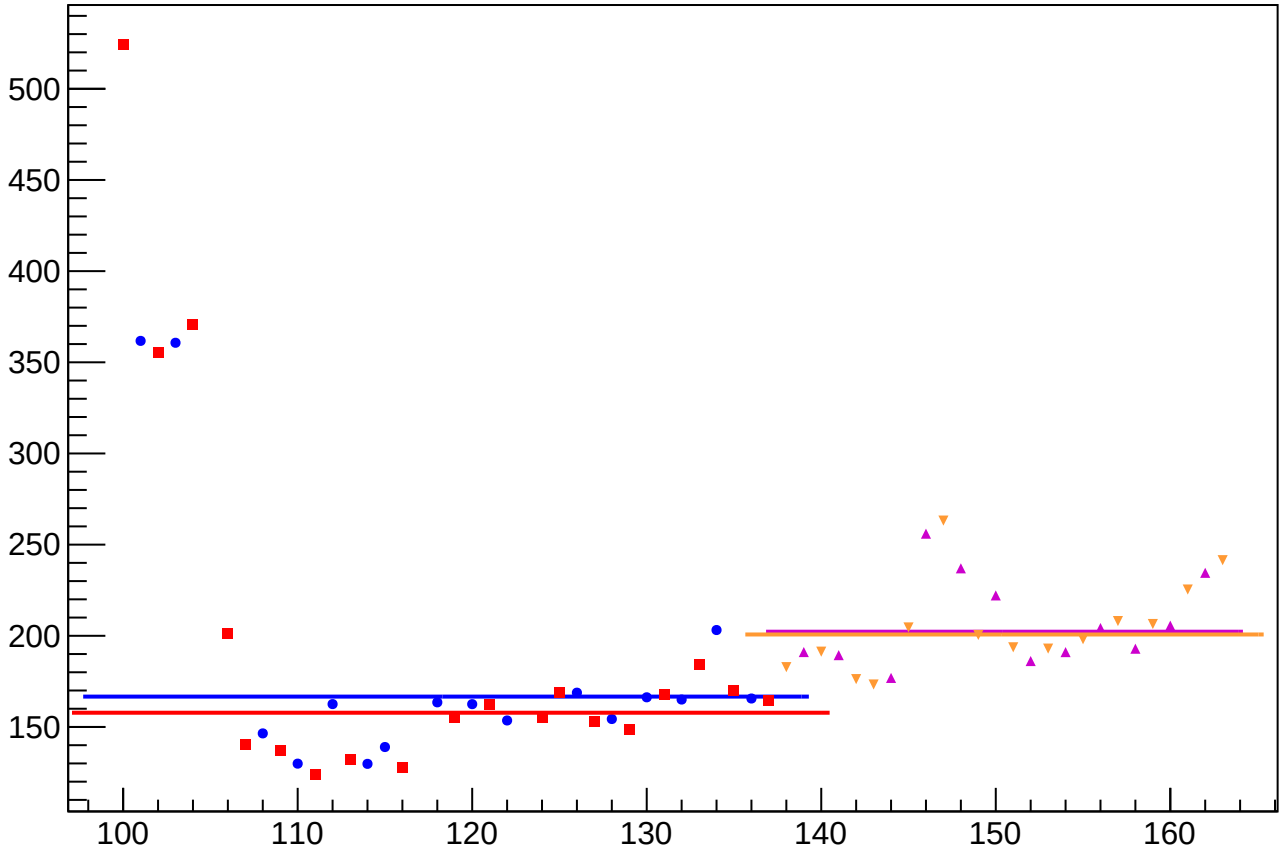
Left In: 147214.850+/-0.064 χ^2/NDF:8625744622.1/11

+ sign 144997.684+/-0.045 χ^2/NDF: 13379873858.

All: 144992.781+/-0.032 χ^2/NDF: 25115171(

- sign 144987.968+/-0.044 χ^2/NDF: 11735273469.(

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 200.726+/-0.043 χ^2/NDF:241039.1/13

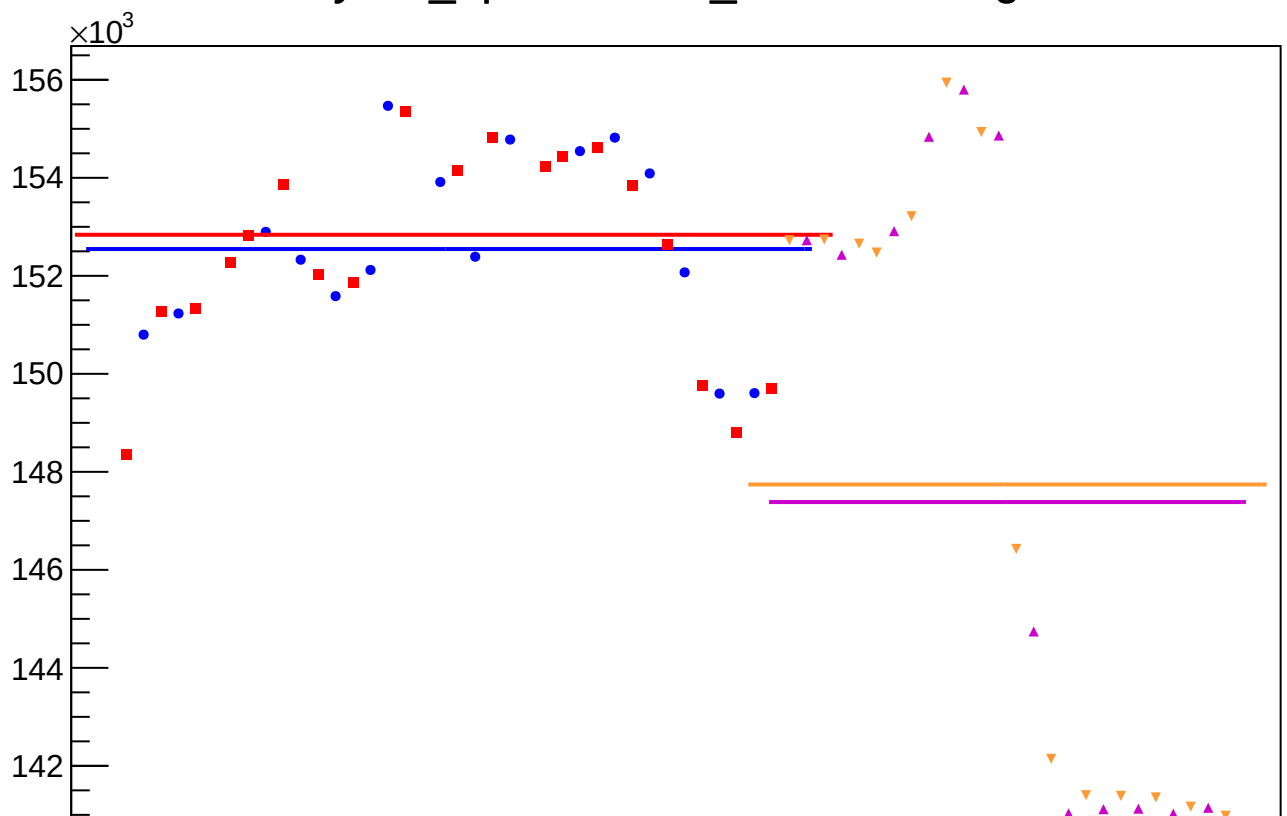
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 202.246+/-0.045 χ^2/NDF:228528.7/11

+ sign 184.880+/-0.032 χ^2/NDF: 1392423.0/29

All: 181.979+/-0.022 χ^2/NDF: 3160315.1/60

- sign 179.130+/-0.031 χ^2/NDF: 1751264.6/30



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

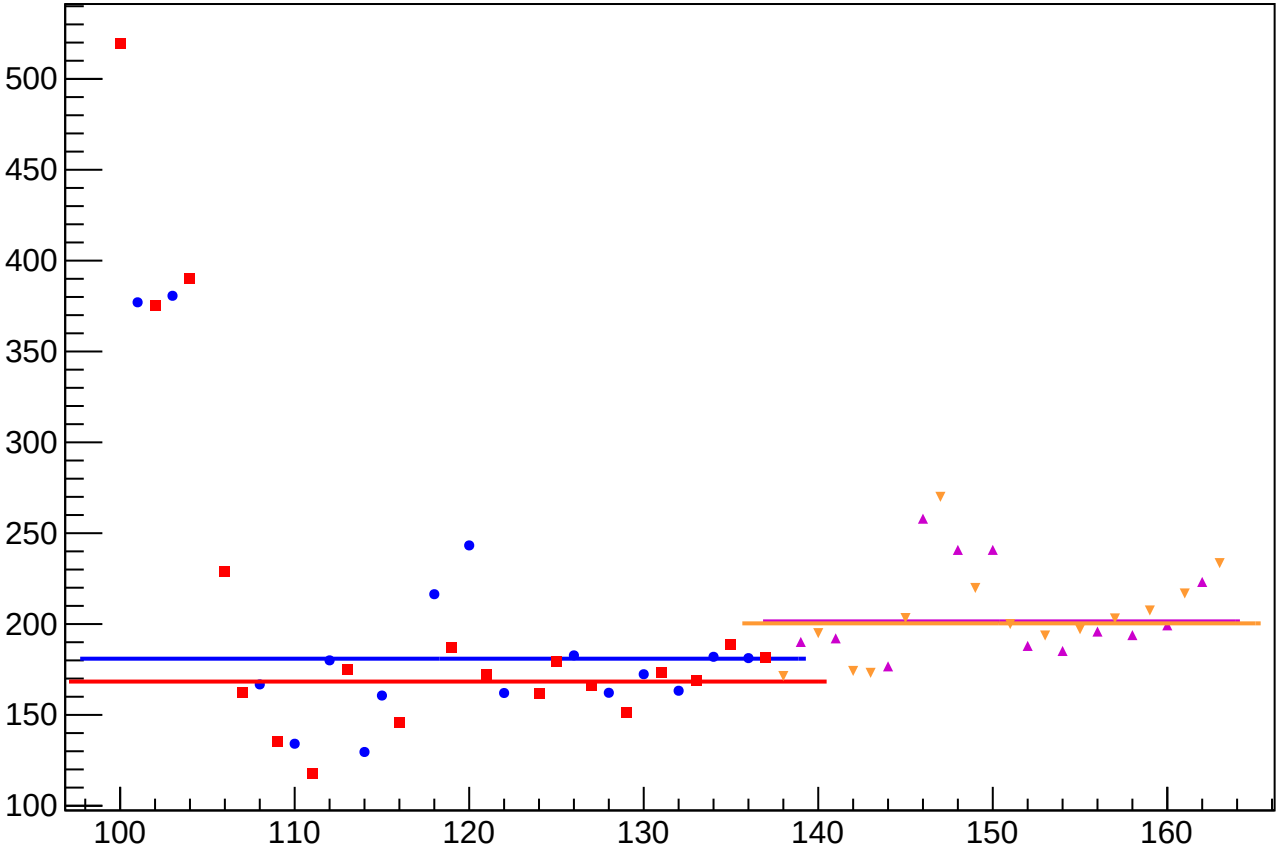
Left In: 147383.651+/-0.064 χ^2/NDF:9061568198.2/11

+ sign 149726.811+/-0.047 χ^2/NDF: 12114961224.

All: 149857.626+/-0.033 χ^2/NDF: 25430818

- sign 149984.914+/-0.046 χ^2/NDF: 13300355301.

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

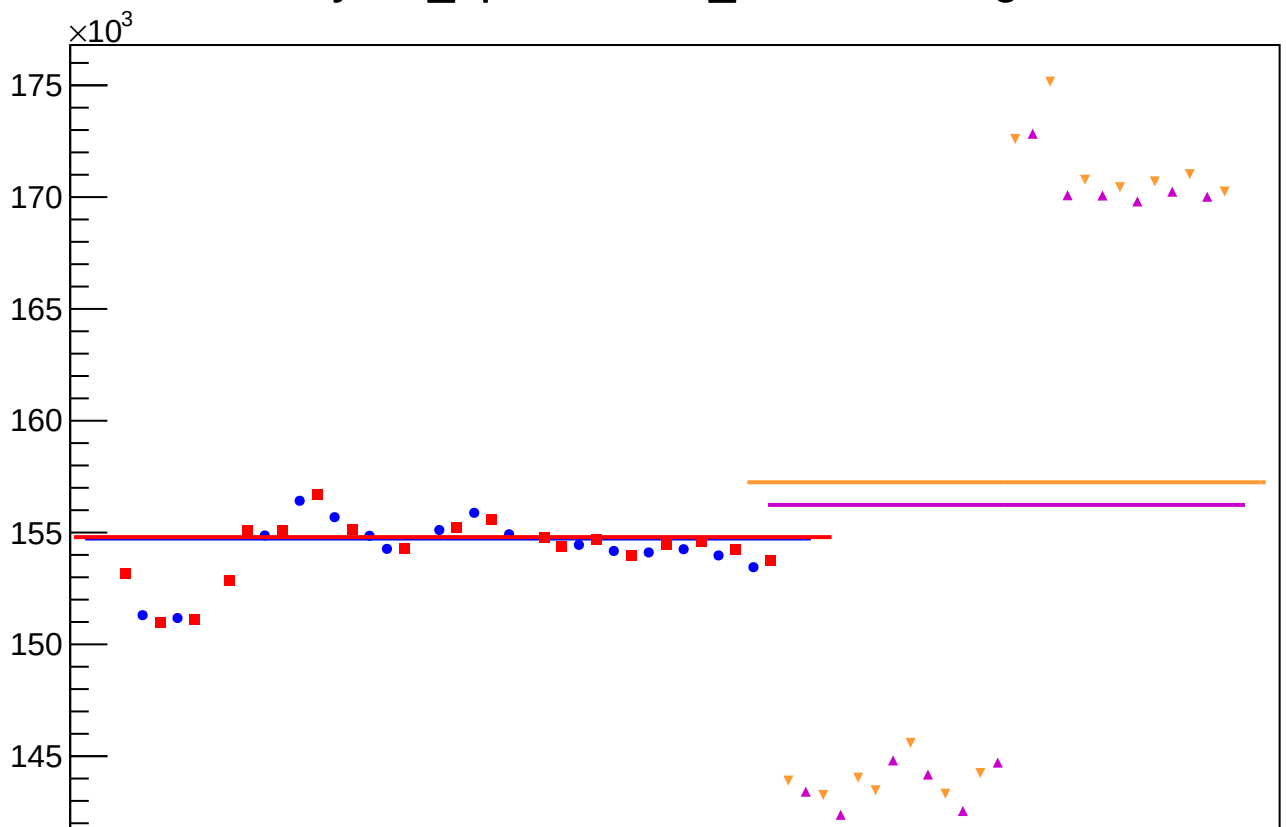
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.470+/-0.045 χ^2/NDF:260503.8/11

+ sign 192.350+/-0.033 χ^2/NDF: 1264666.5/29

All: 188.966+/-0.023 χ^2/NDF: 2893273.6/60

- sign 185.674+/-0.033 χ^2/NDF: 1607867.1/30



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157248.553+/-0.056 χ^2/NDF:61391952295.9/13

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

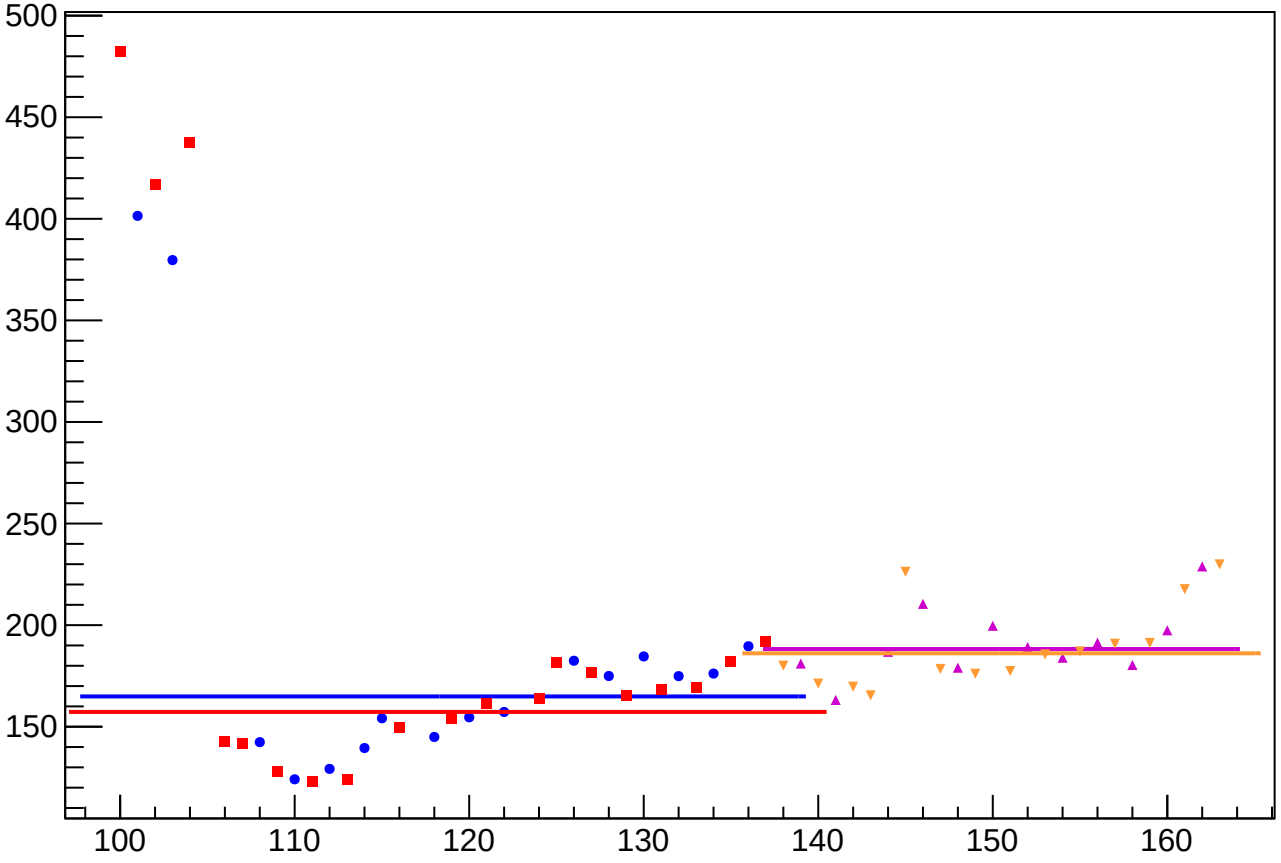
Left In: 156236.090+/-0.059 χ^2/NDF:52142385136.6/11

+ sign 156172.642+/-0.043 χ^2/NDF: 62518304230.

All: 155854.793+/-0.030 χ^2/NDF: 11536269

- sign 155539.442+/-0.042 χ^2/NDF: 52733685693.

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 186.134+/-0.040 χ^2/NDF:207297.1/13

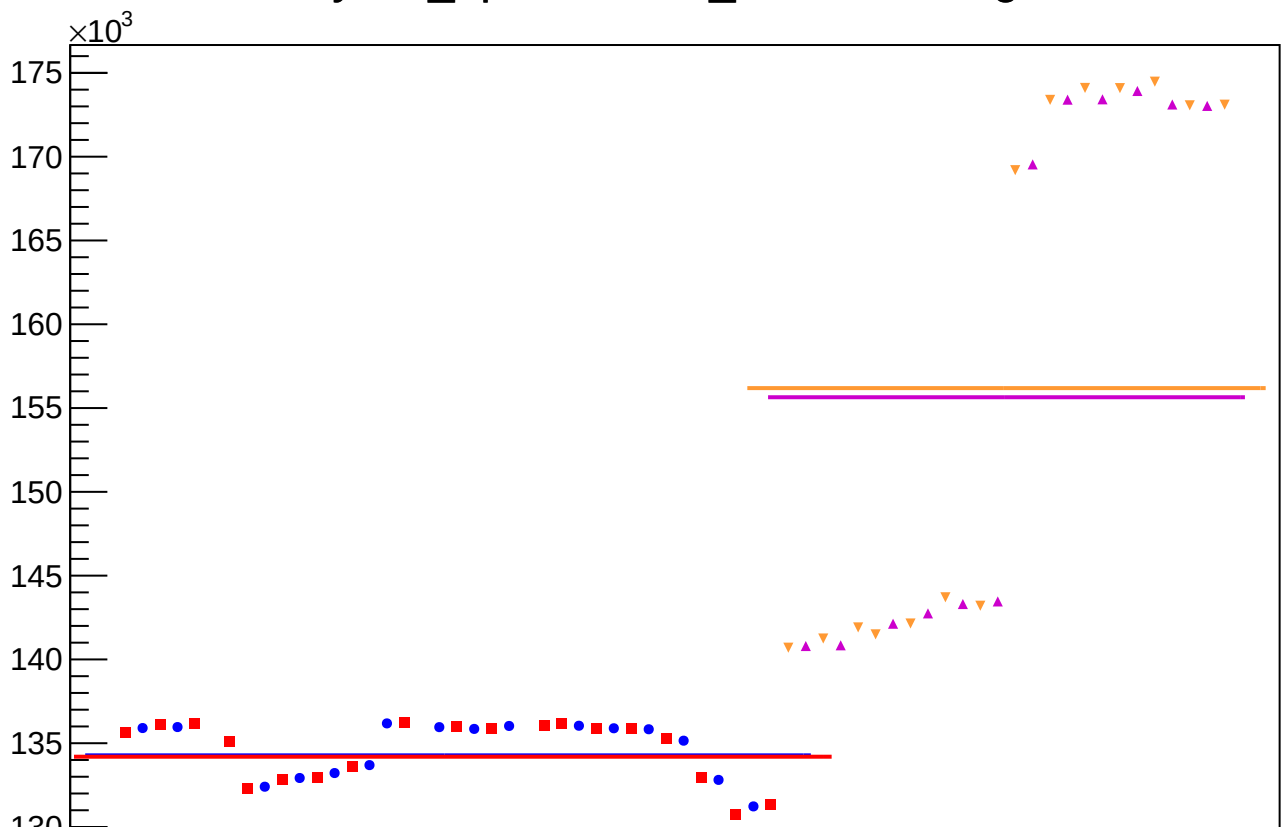
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 188.257+/-0.042 χ^2/NDF:132468.9/11

+ sign 177.055+/-0.030 χ^2/NDF: 1401370.9/29

All: 175.157+/-0.021 χ^2/NDF: 3062215.9/60

- sign 173.274+/-0.030 χ^2/NDF: 1652953.0/30



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156190.235+/-0.057 χ^2/NDF:74145793696.3/13

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

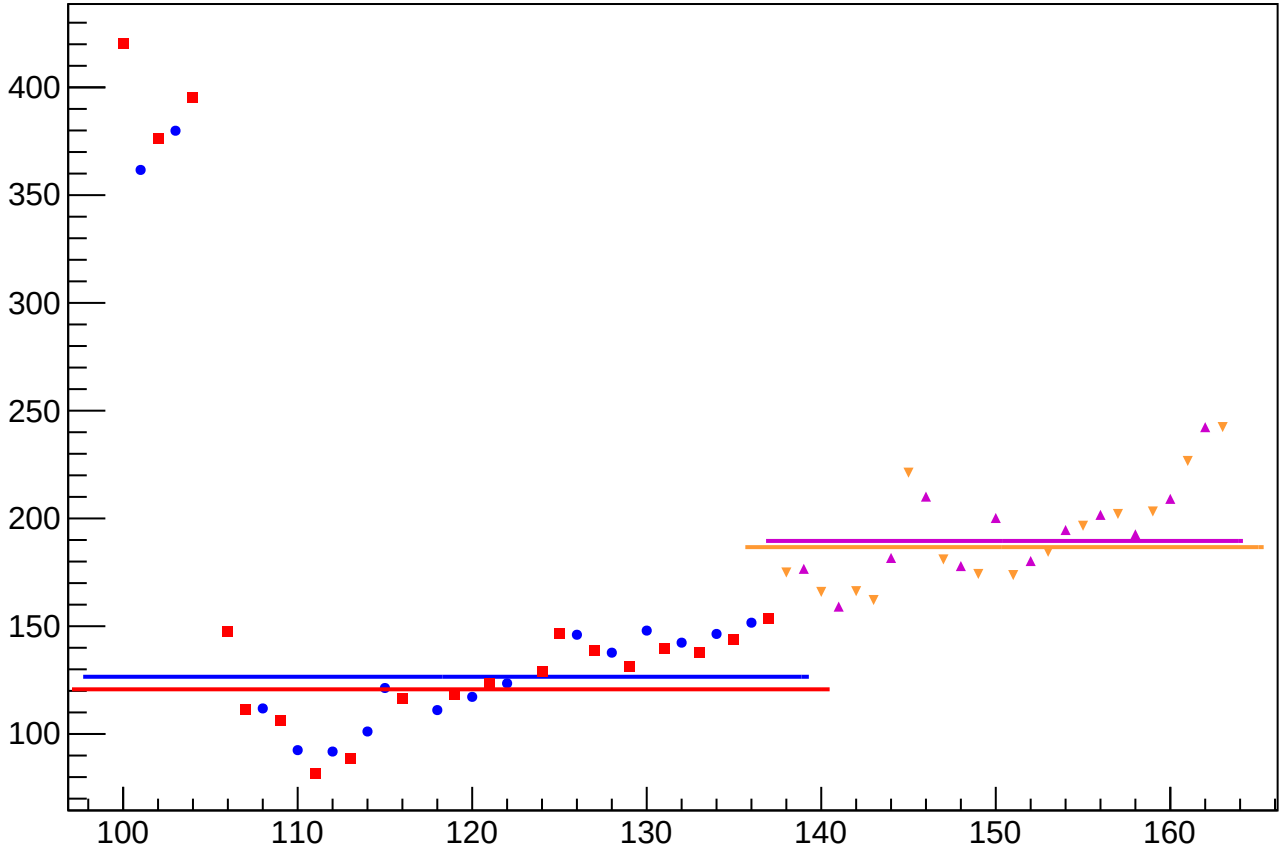
Left In: 155645.292+/-0.060 χ^2/NDF:65086395324.5/11

+ sign 144041.831+/-0.038 χ^2/NDF: 158134168068

All: 143318.697+/-0.027 χ^2/NDF: 30359637

- sign 142612.564+/-0.037 χ^2/NDF: 144740469968

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 186.691+/-0.040 χ^2/NDF:304604.8/13

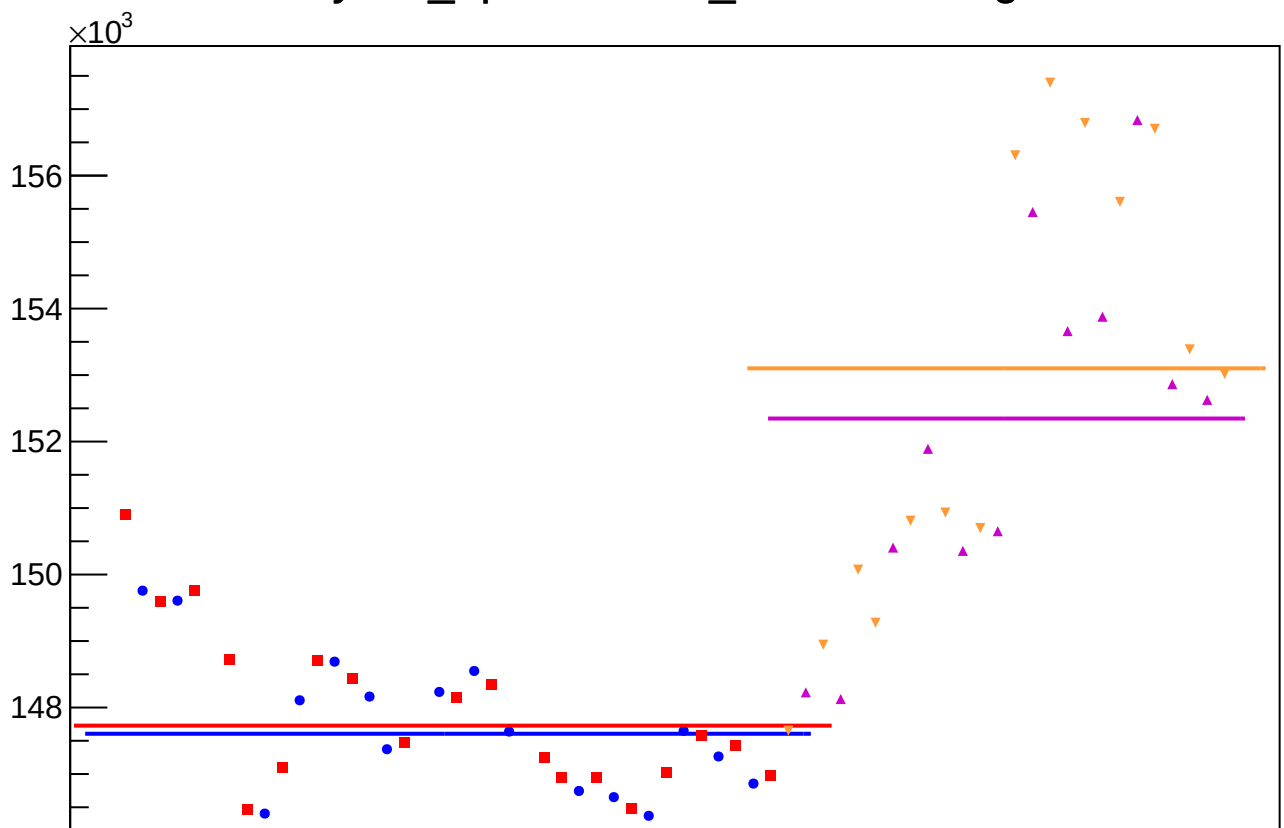
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 189.566+/-0.042 χ^2/NDF:207379.5/11

+ sign 153.352+/-0.027 χ^2/NDF: 3029942.3/29

All: 150.511+/-0.019 χ^2/NDF: 6508441.3/60

- sign 147.738+/-0.026 χ^2/NDF: 3456231.6/30



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153101.612+/-0.062 χ^2/NDF:2908188189.3/13

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

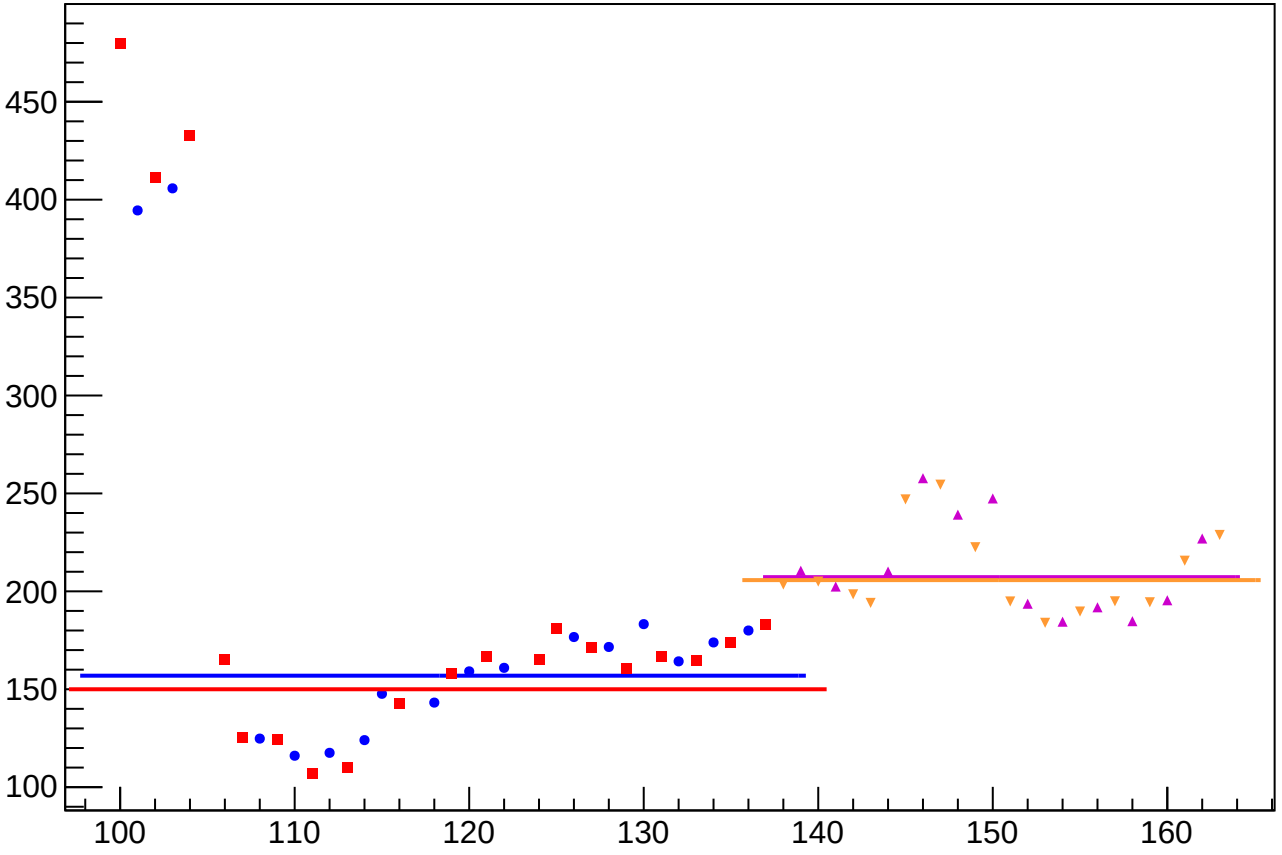
Left In: 152346.466+/-0.065 χ^2/NDF:1709811337.5/11

+ sign 150359.721+/-0.044 χ^2/NDF: 6986897101.0

All: 150078.110+/-0.031 χ^2/NDF: 11730183

- sign 149801.333+/-0.044 χ^2/NDF: 4662528895.6/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 205.733+/-0.044 χ^2/NDF:192047.0/13

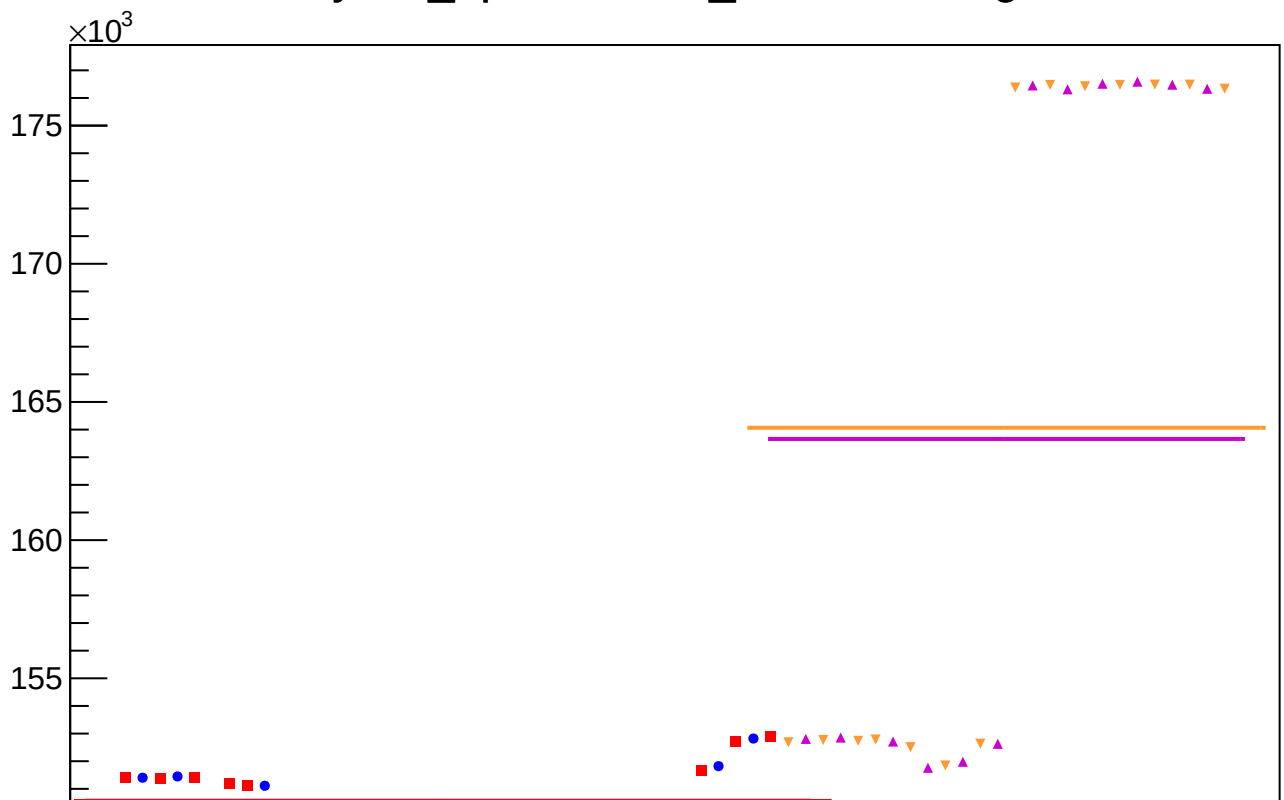
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 207.246+/-0.046 χ^2/NDF:234341.8/11

+ sign 181.384+/-0.031 χ^2/NDF: 2069469.5/29

All: 178.517+/-0.022 χ^2/NDF: 4621953.6/60

- sign 175.699+/-0.031 χ^2/NDF: 2535738.3/30



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

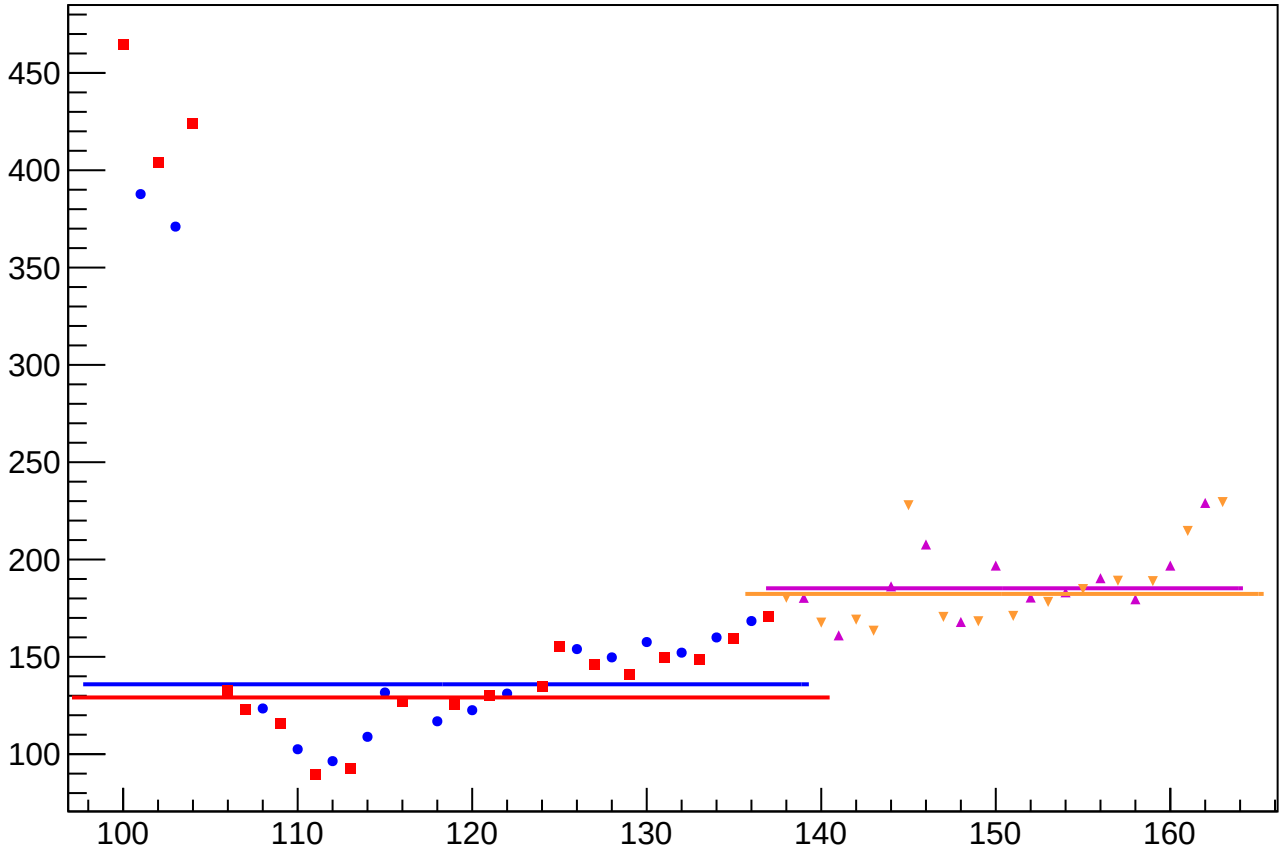
Left In: 163661.096+/-0.058 χ^2/NDF:42219595831.4/11

+ sign 157245.186+/-0.039 χ^2/NDF: 77195433890.

All: 156740.724+/-0.027 χ^2/NDF: 14860708

- sign 156248.455+/-0.038 χ^2/NDF: 71078051957.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

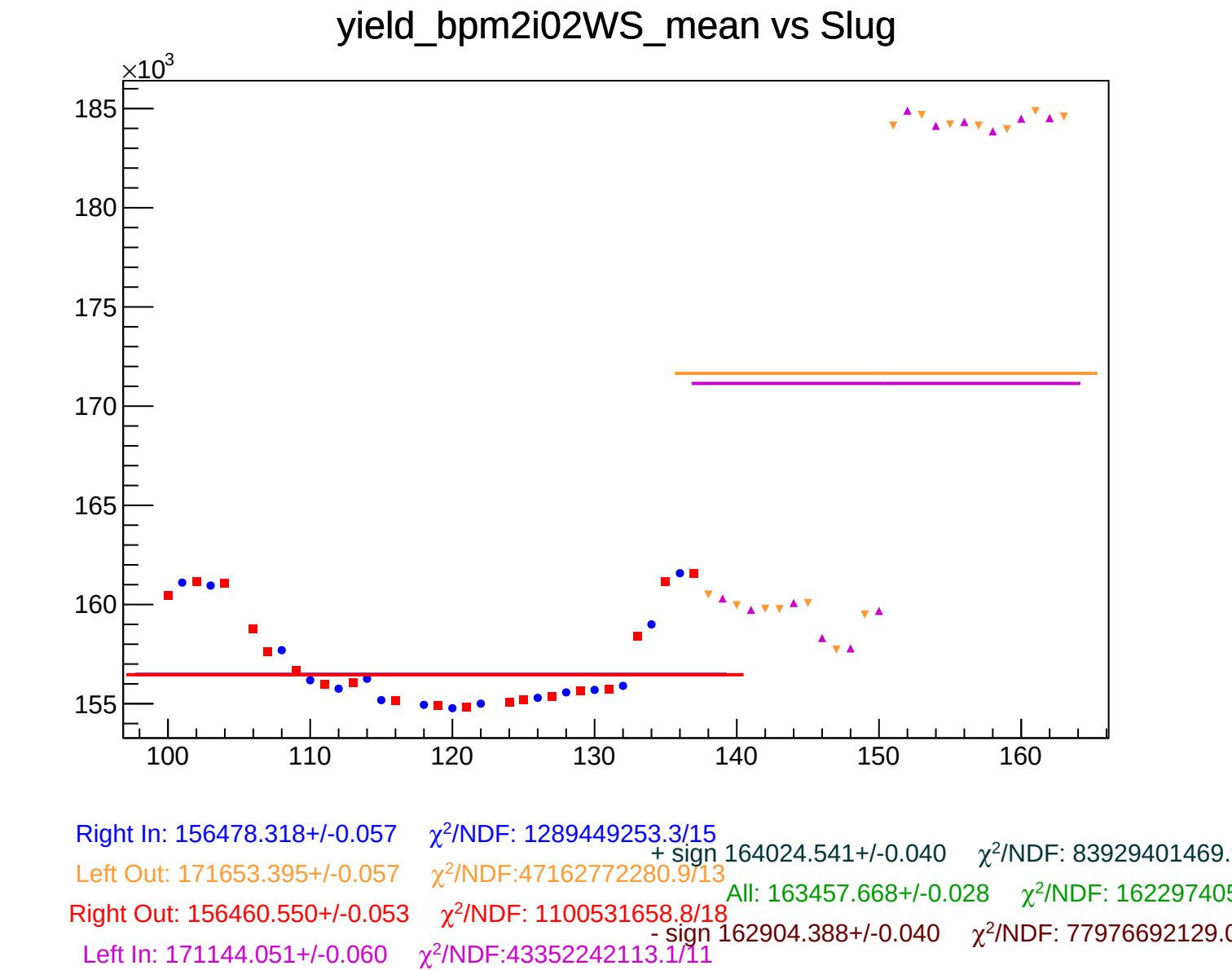
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 185.219+/-0.041 χ^2/NDF:153815.7/11

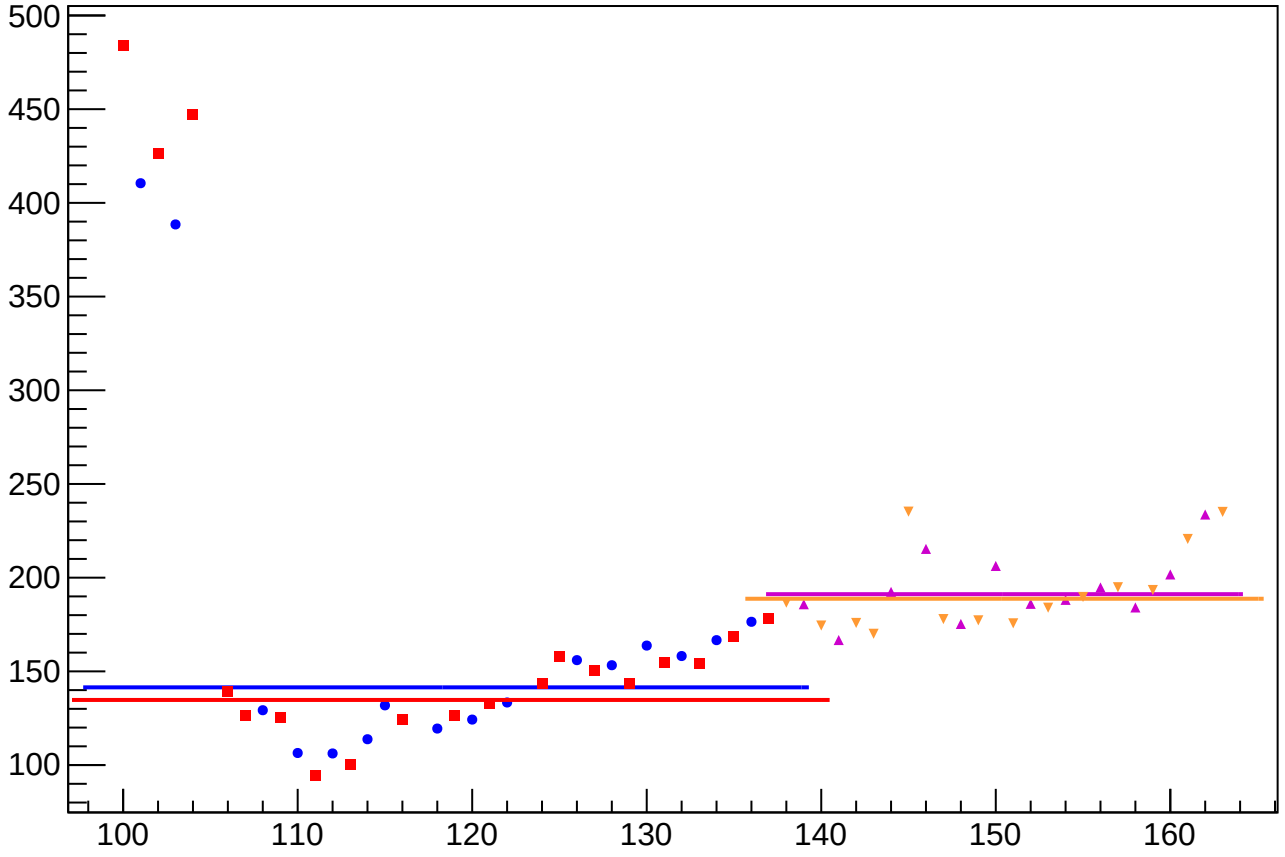
+ sign 158.862+/-0.027 χ^2/NDF: 2375421.5/29

All: 156.138+/-0.019 χ^2/NDF: 5213918.7/60

- sign 153.480+/-0.027 χ^2/NDF: 2819048.5/30


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 171653.395+/-0.057 χ²/NDF:47162772280.9/13
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 171144.051+/-0.060 χ²/NDF:43352242113.1/11
+ sign 164024.541+/-0.040 χ²/NDF: 83929401469.
All: 163457.668+/-0.028 χ²/NDF: 16229740
- sign 162904.388+/-0.040 χ²/NDF: 77976692129.0

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 188.751+/-0.040 χ^2/NDF:223532.3/13

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

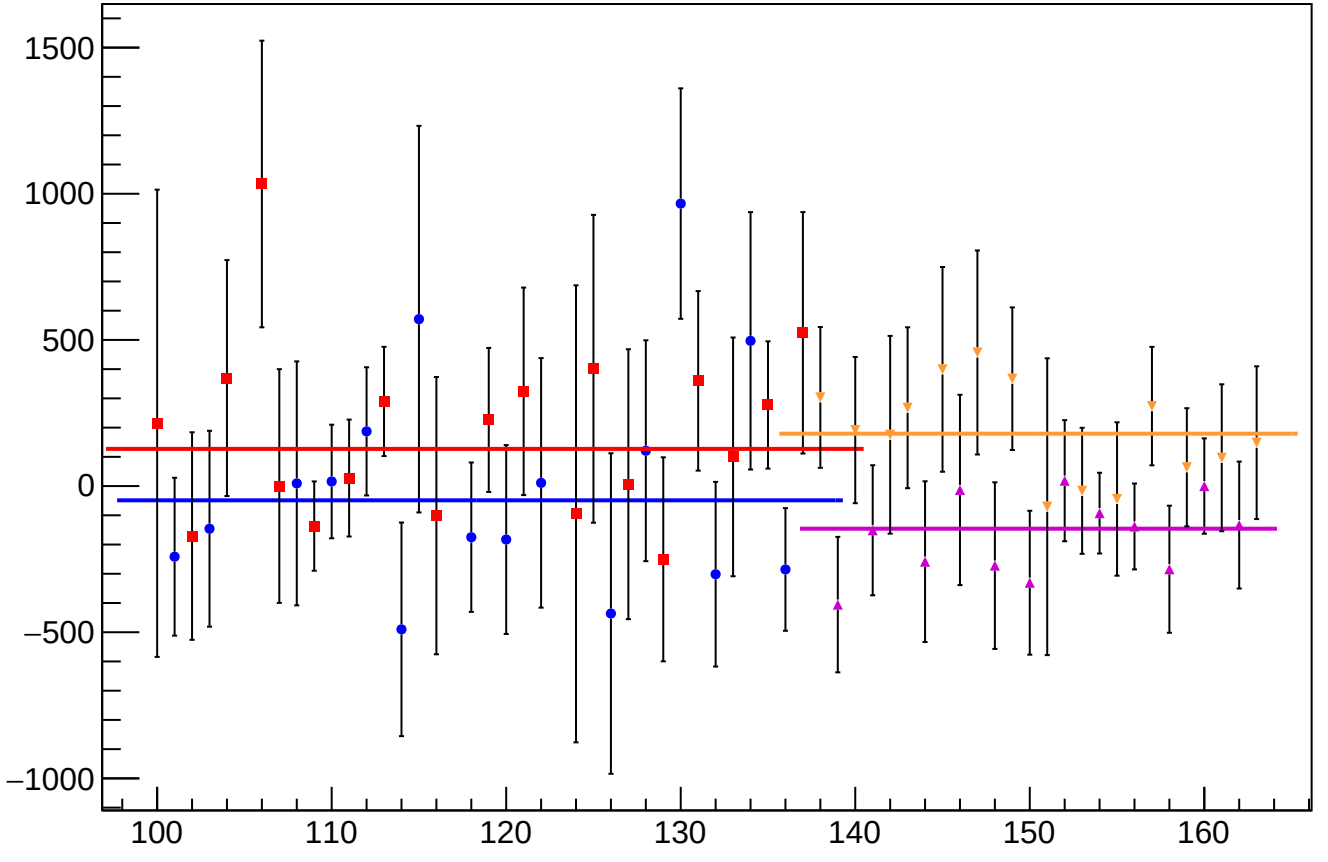
Left In: 191.196+/-0.042 χ^2/NDF:146506.3/11

+ sign 164.982+/-0.028 χ^2/NDF: 2304271.6/29

All: 162.217+/-0.020 χ^2/NDF: 5039381.5/60

- sign 159.519+/-0.028 χ^2/NDF: 2716492.8/30

asym_bcm_target_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

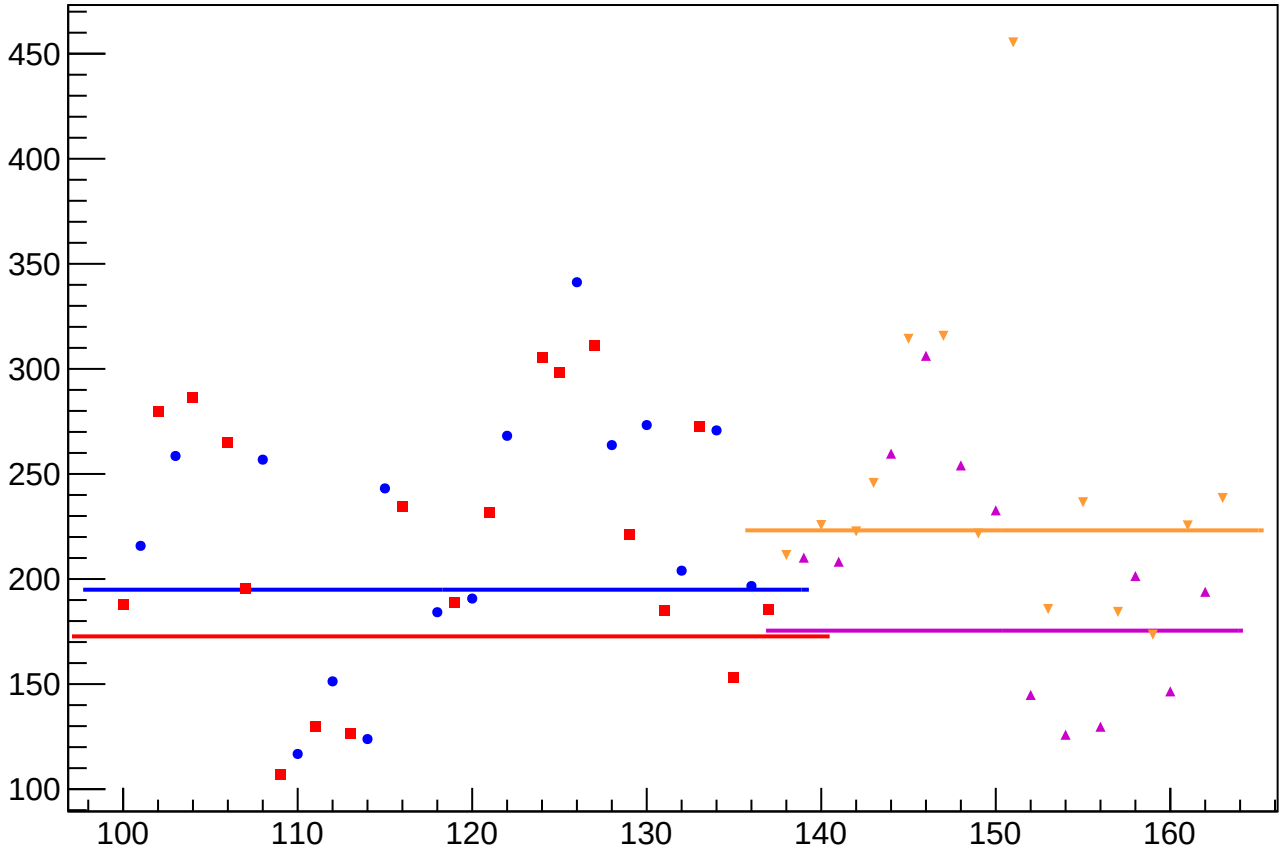
Left In: -145.825+/-58.491 χ^2/NDF:4.3/11

+ sign 76.461+/-51.431 χ^2/NDF: 24.7/29

All: 15.163+/-33.645 χ^2/NDF: 53.6/60

- sign -30.691+/-44.483 χ^2/NDF: 26.4/30

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

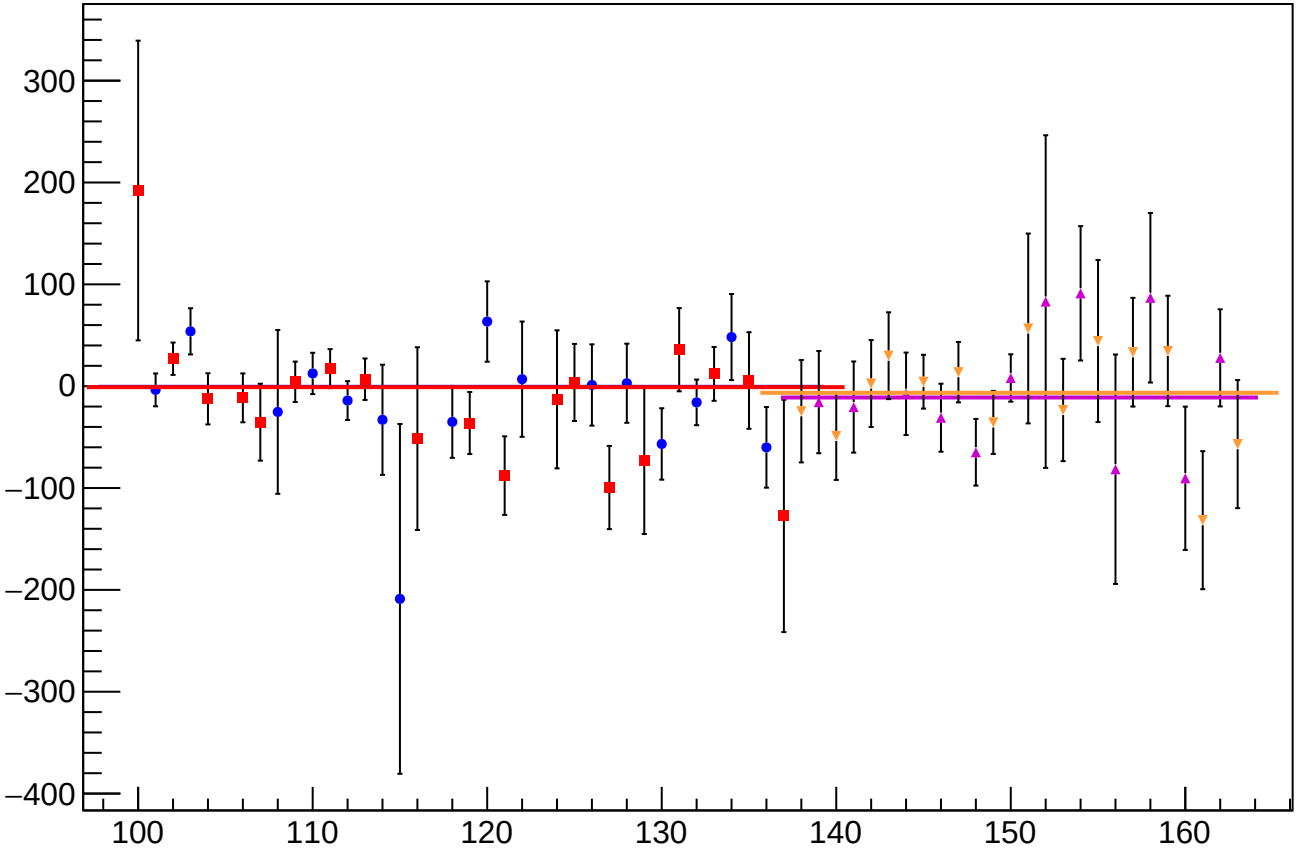
Left In: 175.438+/-0.041 χ^2/NDF:1459846.8/11

+ sign 210.426+/-0.036 χ^2/NDF: 2157841.4/29

All: 189.751+/-0.024 χ^2/NDF: 5815845.5/60

- sign 174.285+/-0.031 χ^2/NDF: 3093039.4/30

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.472+/-11.564 χ^2/NDF:9.5/13

Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

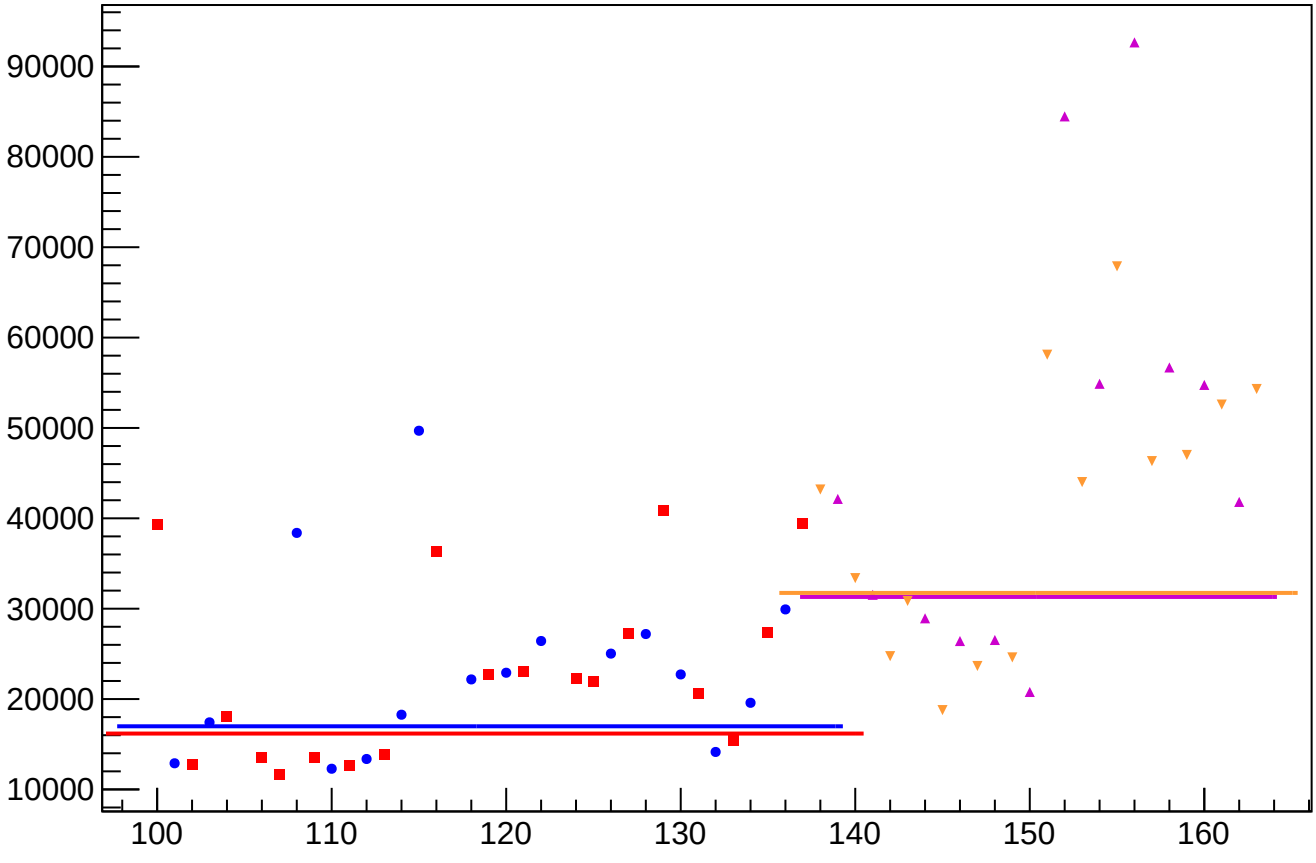
Left In: -11.103+/-12.581 χ^2/NDF:10.2/11

+ sign -2.303+/-6.197 χ^2/NDF: 28.6/29

All: -2.779+/-4.296 χ^2/NDF: 62.4/60

- sign -3.219+/-5.960 χ^2/NDF: 33.8/30

asym_bcm_an_diff_rms vs Slug



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 31745.510+/-8.177 χ^2/NDF:2344864.1/13

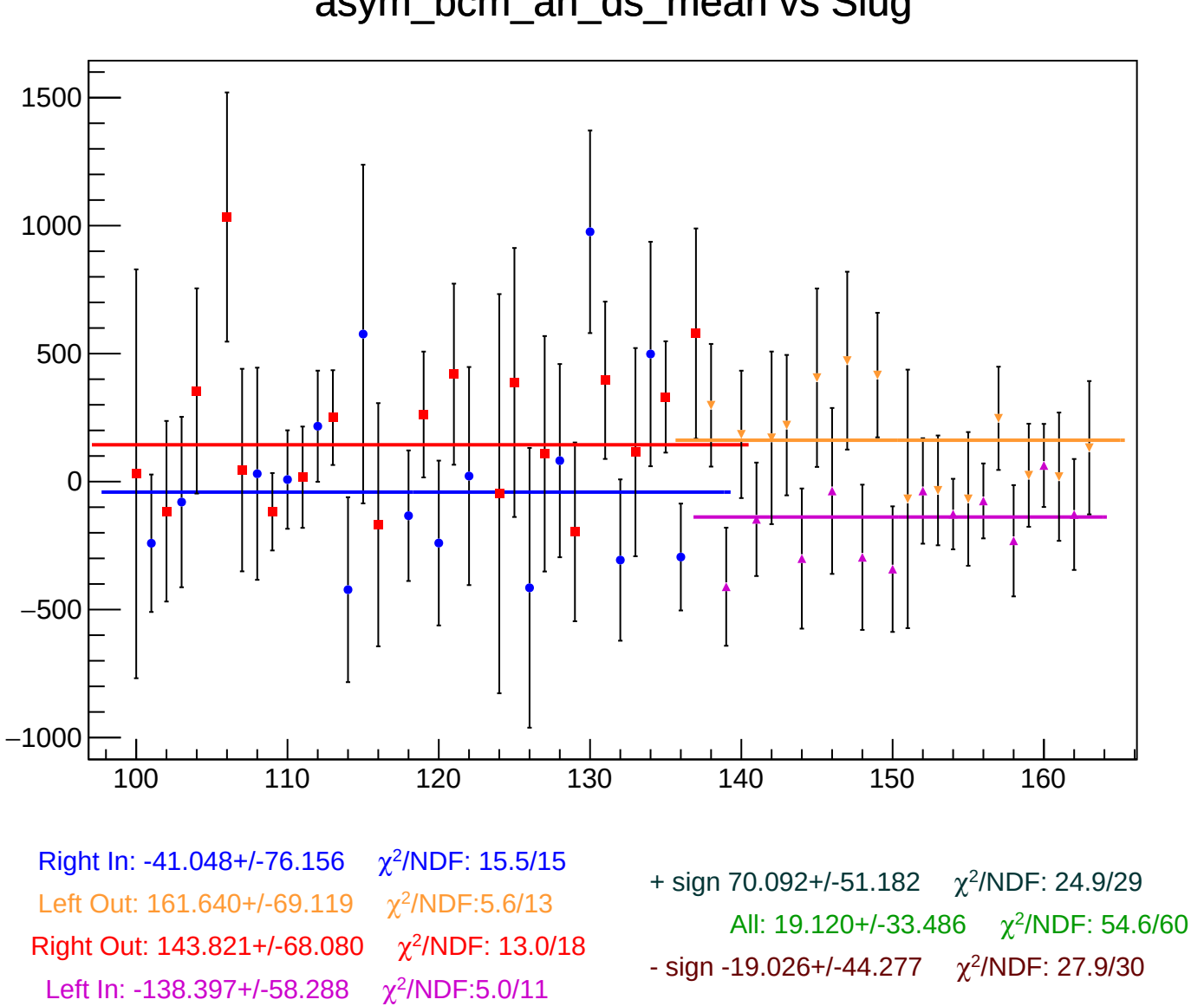
Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 31299.657+/-8.896 χ^2/NDF:2161434.1/11

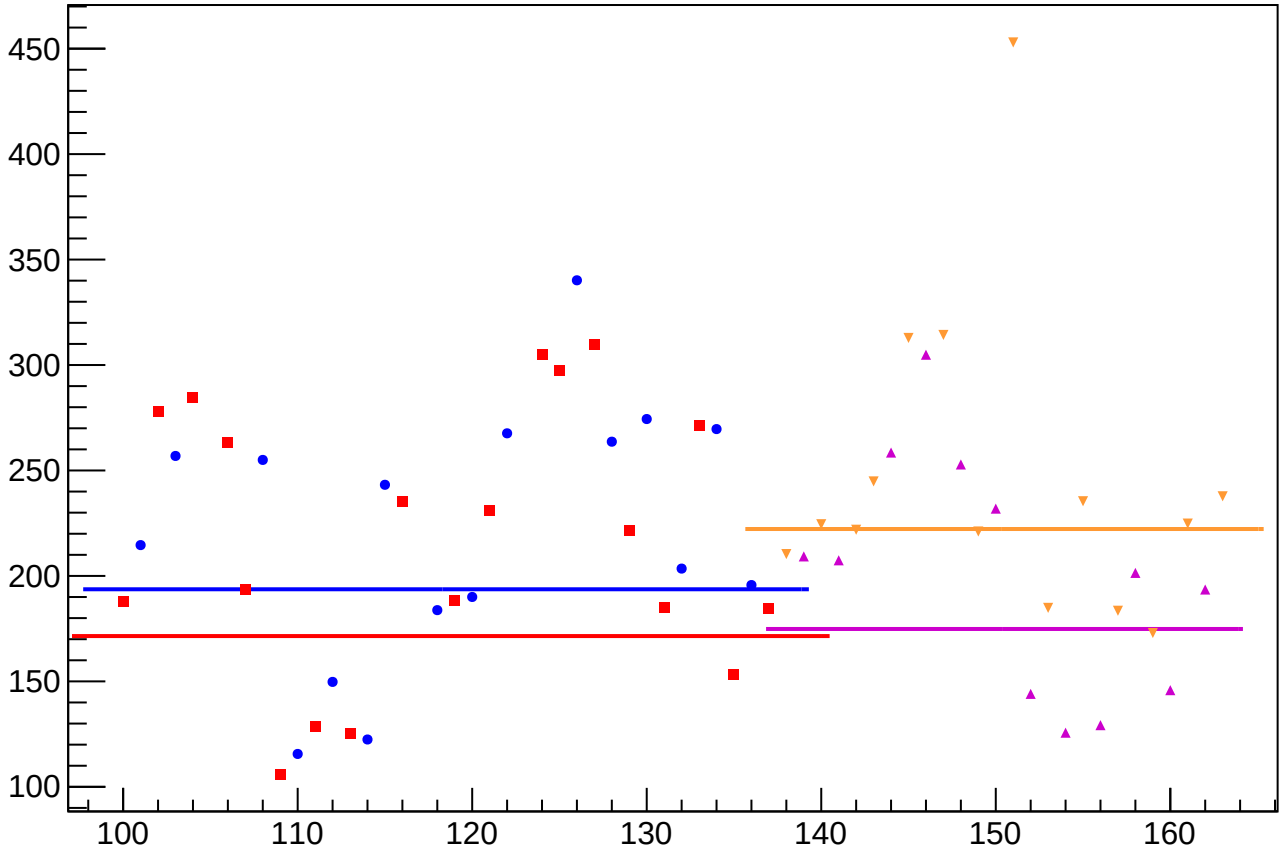
+ sign 21225.191+/-4.382 χ^2/NDF: 5861197.5/29

All: 20367.431+/-3.037 χ^2/NDF: 11587676.2

- sign 19574.180+/-4.214 χ^2/NDF: 5652730.4/30


asym_bcm_an_ds_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
Right In: -41.048+/-76.156 χ²/NDF: 15.5/15
Left Out: 161.640+/-69.119 χ²/NDF:5.6/13
Right Out: 143.821+/-68.080 χ²/NDF: 13.0/18
Left In: -138.397+/-58.288 χ²/NDF:5.0/11
+ sign 70.092+/-51.182 χ²/NDF: 24.9/29
All: 19.120+/-33.486 χ²/NDF: 54.6/60
- sign -19.026+/-44.277 χ²/NDF: 27.9/30

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 222.245+/-0.049 χ^2/NDF:978514.4/13

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

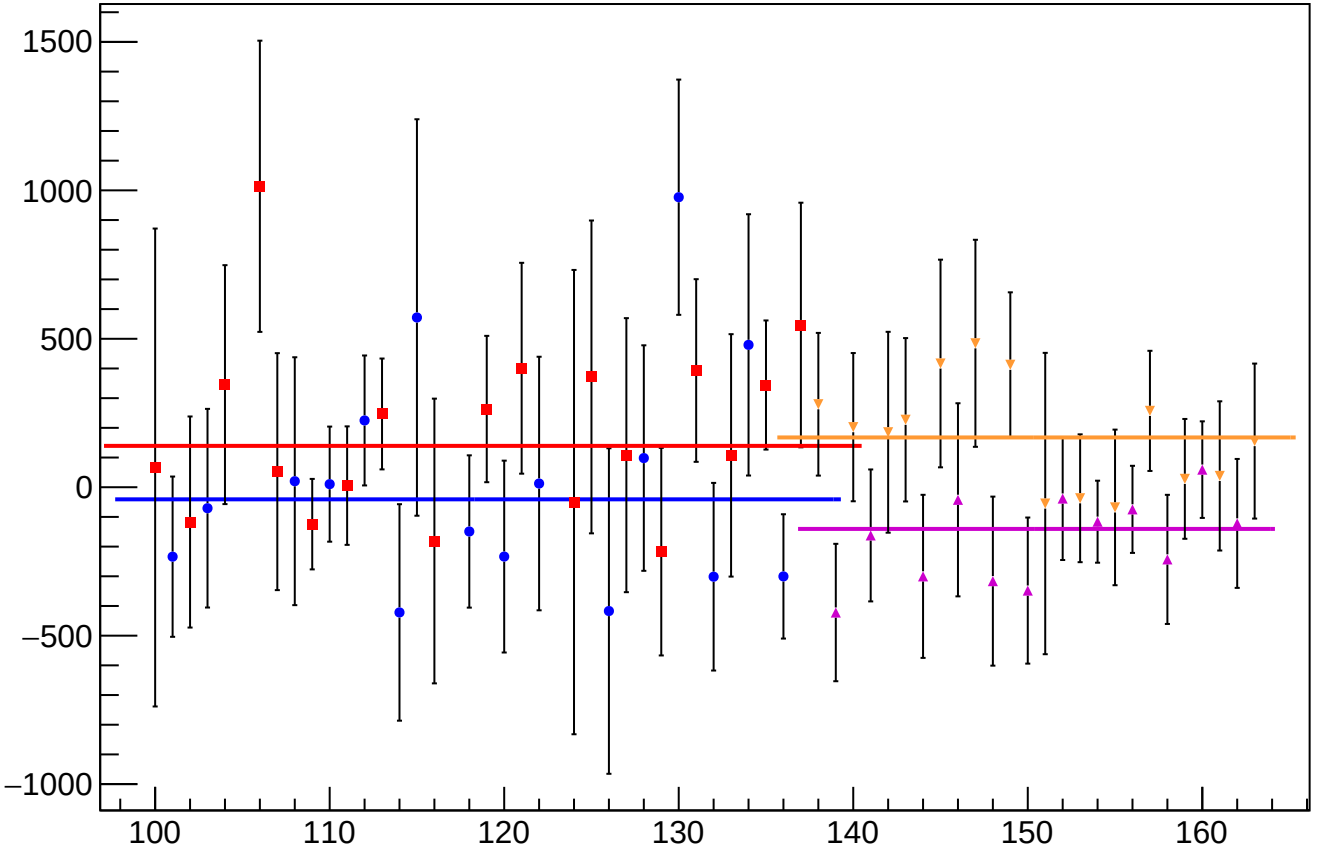
Left In: 174.848+/-0.041 χ^2/NDF:1457875.4/11

+ sign 209.339+/-0.036 χ^2/NDF: 2182680.9/29

All: 188.798+/-0.024 χ^2/NDF: 5859588.4/60

- sign 173.425+/-0.031 χ^2/NDF: 3113683.8/30

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 167.678+/-69.339 χ^2/NDF:5.5/13

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

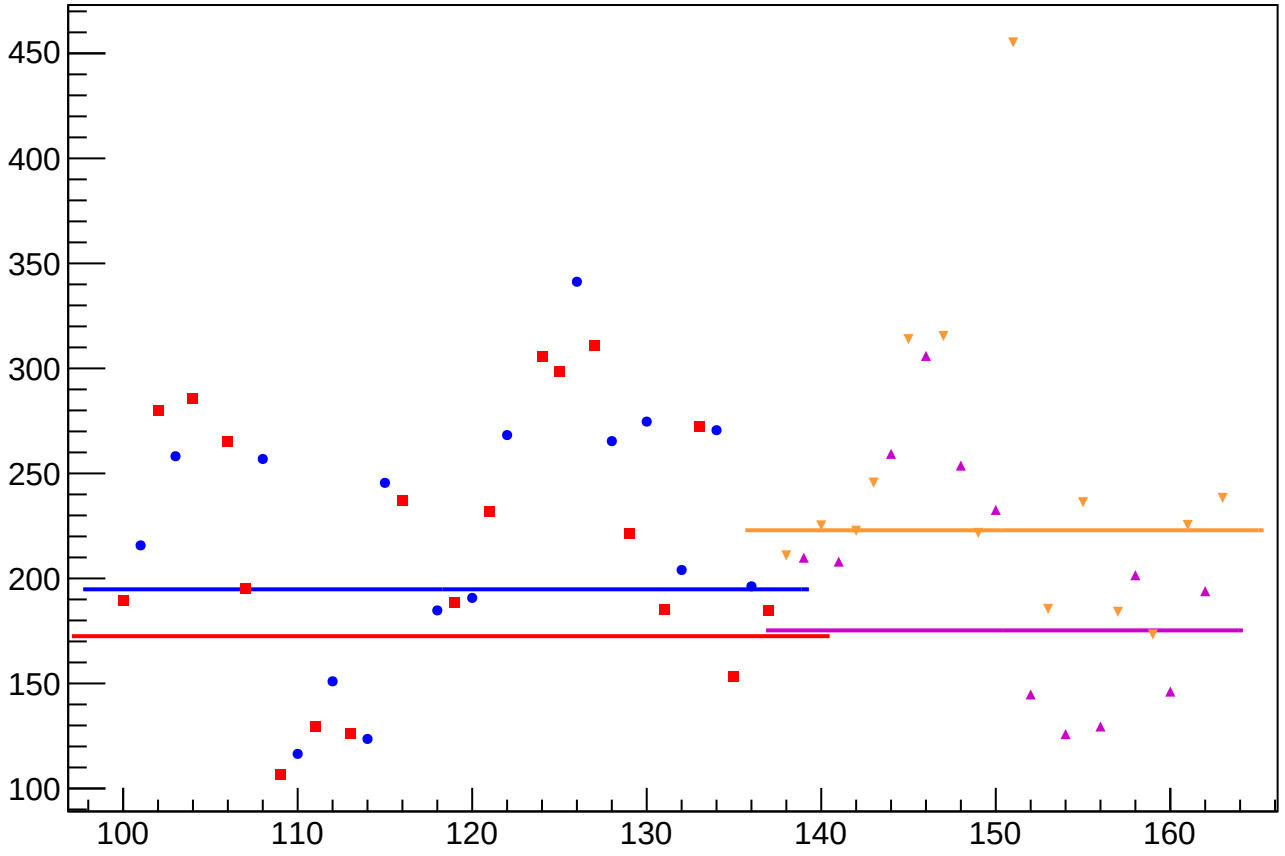
Left In: -140.447+/-58.436 χ^2/NDF:5.2/11

+ sign 73.758+/-51.400 χ^2/NDF: 24.9/29

All: 18.662+/-33.620 χ^2/NDF: 54.7/60

- sign -22.536+/-44.446 χ^2/NDF: 27.8/30

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 222.934+/-0.049 χ^2/NDF:980766.7/13

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

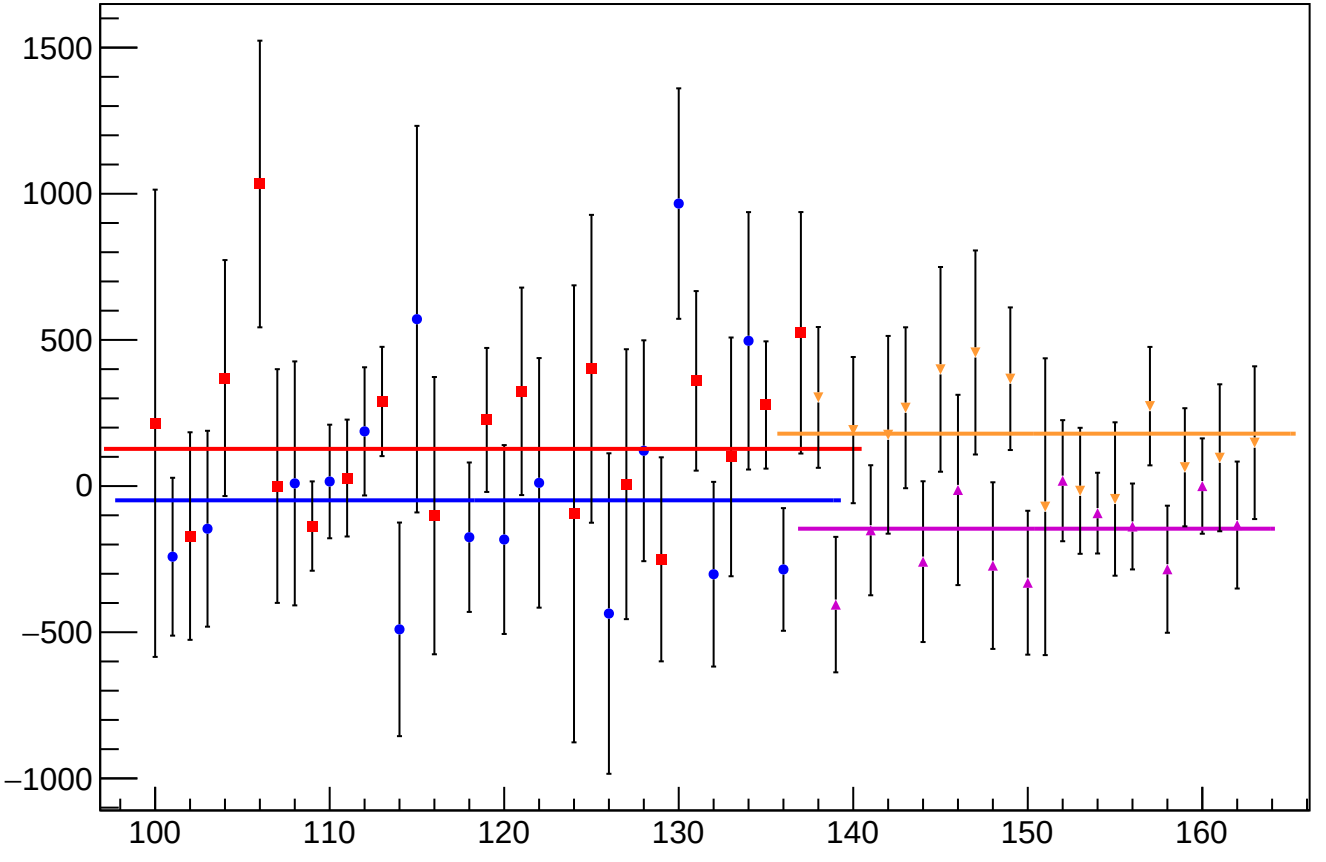
Left In: 175.270+/-0.041 χ^2/NDF:1460577.0/11

+ sign 210.268+/-0.036 χ^2/NDF: 2167987.1/29

All: 189.577+/-0.024 χ^2/NDF: 5838945.7/60

- sign 174.106+/-0.031 χ^2/NDF: 3104521.7/30

asym_bcm_an_us_mean vs Slug



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

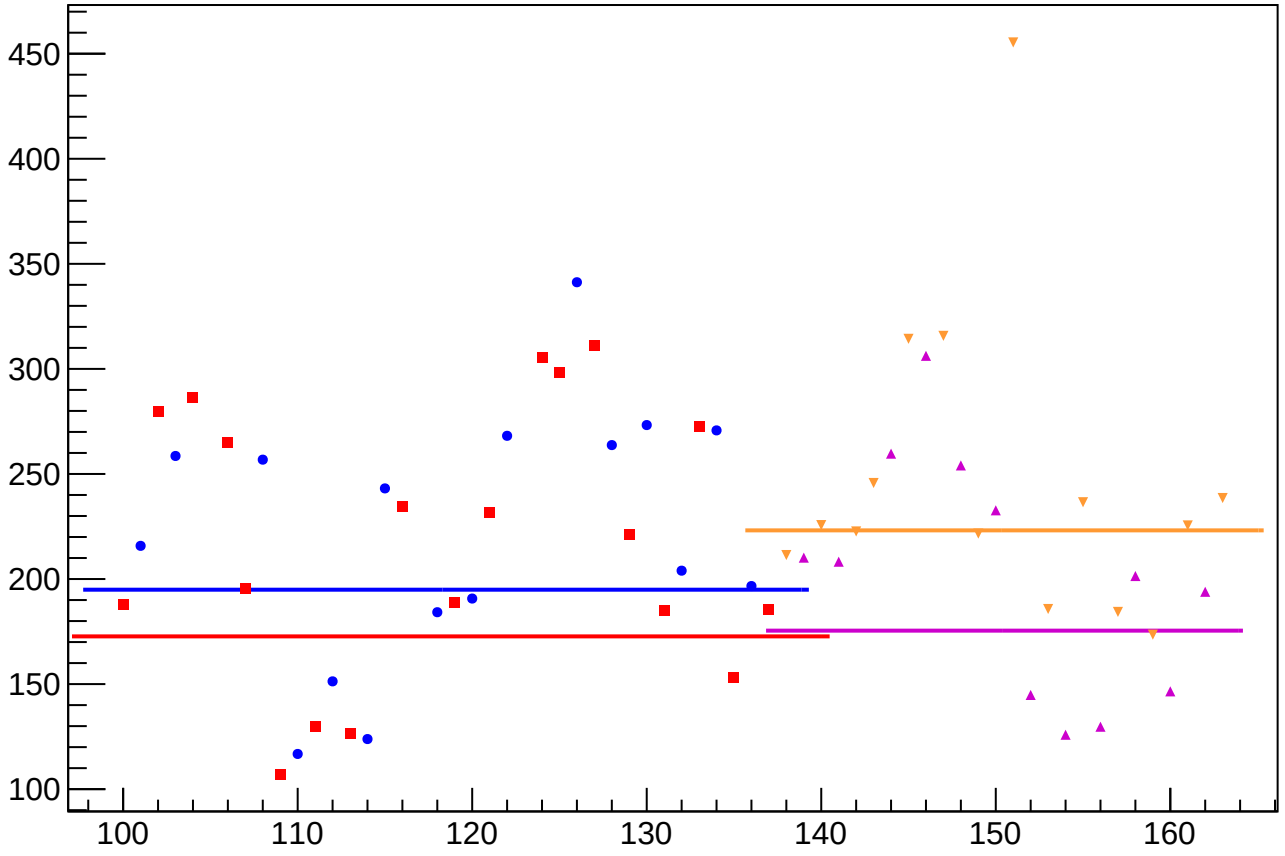
Left In: -145.825+/-58.491 χ^2/NDF:4.3/11

+ sign 76.461+/-51.431 χ^2/NDF: 24.7/29

All: 15.163+/-33.645 χ^2/NDF: 53.6/60

- sign -30.691+/-44.483 χ^2/NDF: 26.4/30

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

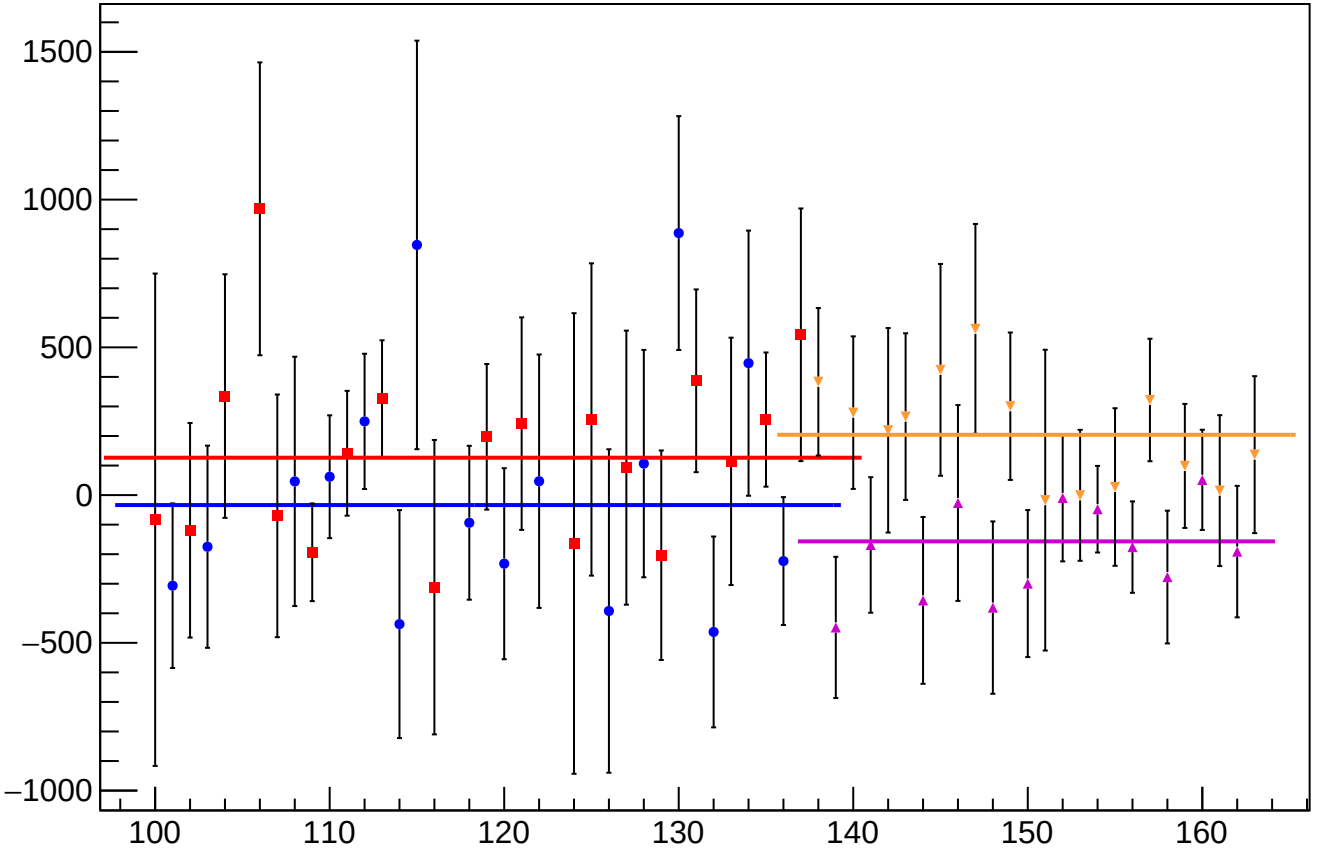
Left In: 175.438+/-0.041 χ^2/NDF:1459846.8/11

+ sign 210.426+/-0.036 χ^2/NDF: 2157841.4/29

All: 189.751+/-0.024 χ^2/NDF: 5815845.5/60

- sign 174.285+/-0.031 χ^2/NDF: 3093039.4/30

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 204.113+/-71.142 χ^2/NDF:4.9/13

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

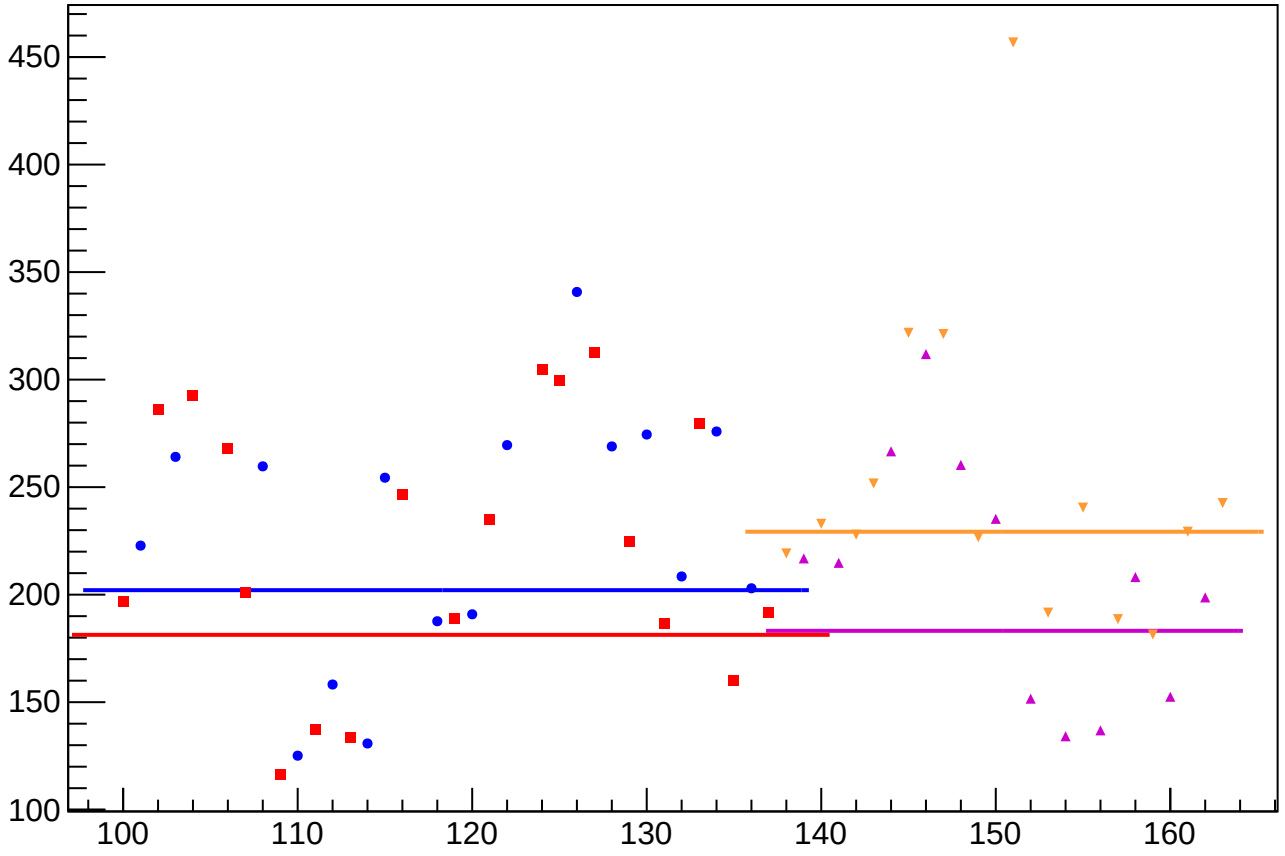
Left In: -156.598+/-60.753 χ^2/NDF:5.9/11

+ sign 97.598+/-52.864 χ^2/NDF: 25.6/29

All: 21.061+/-34.807 χ^2/NDF: 57.1/60

- sign -37.508+/-46.245 χ^2/NDF: 27.7/30

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 229.263+/-0.050 χ^2/NDF:930569.4/13

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

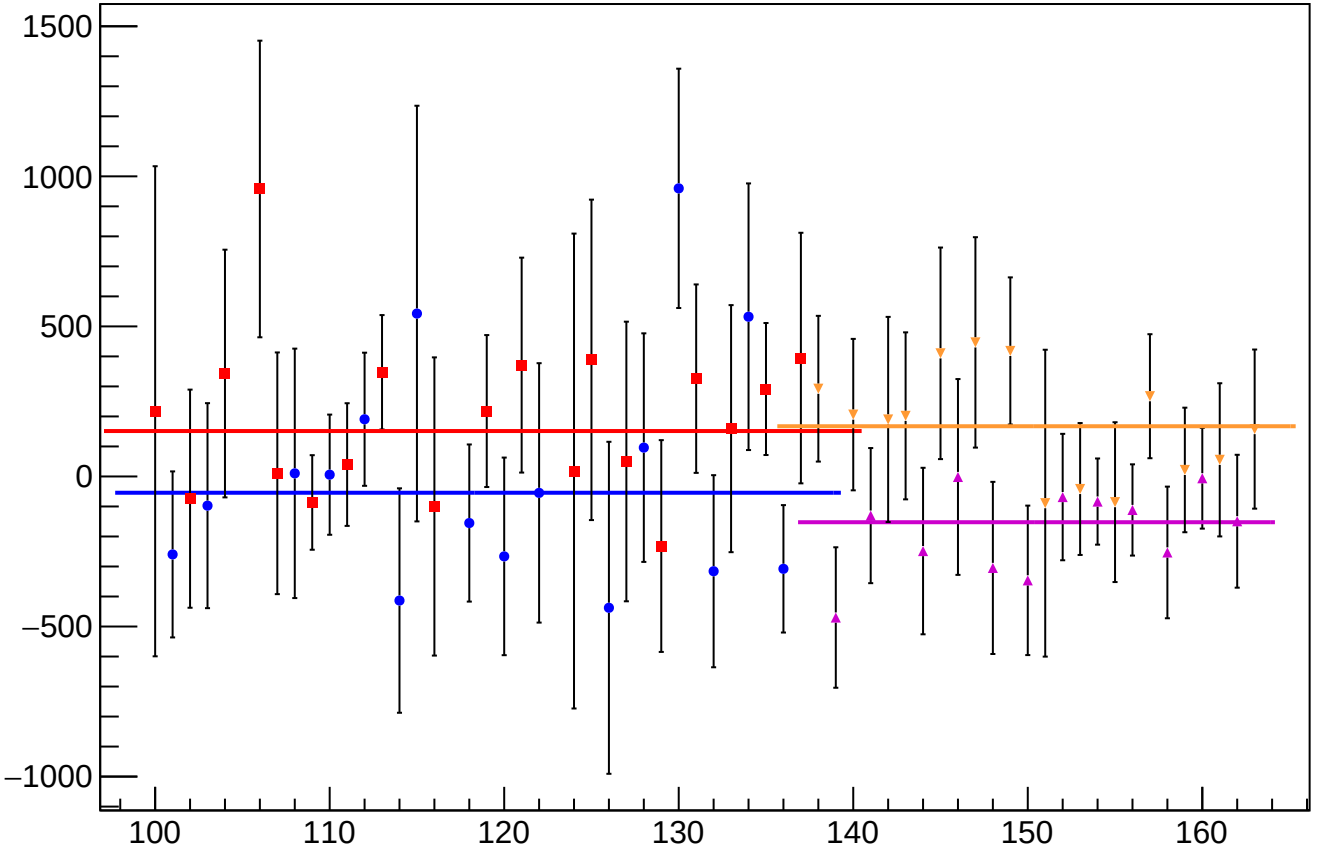
Left In: 183.184+/-0.043 χ^2/NDF:1327966.8/11

+ sign 217.094+/-0.037 χ^2/NDF: 1971492.9/29

All: 197.438+/-0.025 χ^2/NDF: 5229322.4/60

- sign 182.397+/-0.033 χ^2/NDF: 2769754.6/30

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 167.347+/-70.388 χ^2/NDF:5.4/13

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

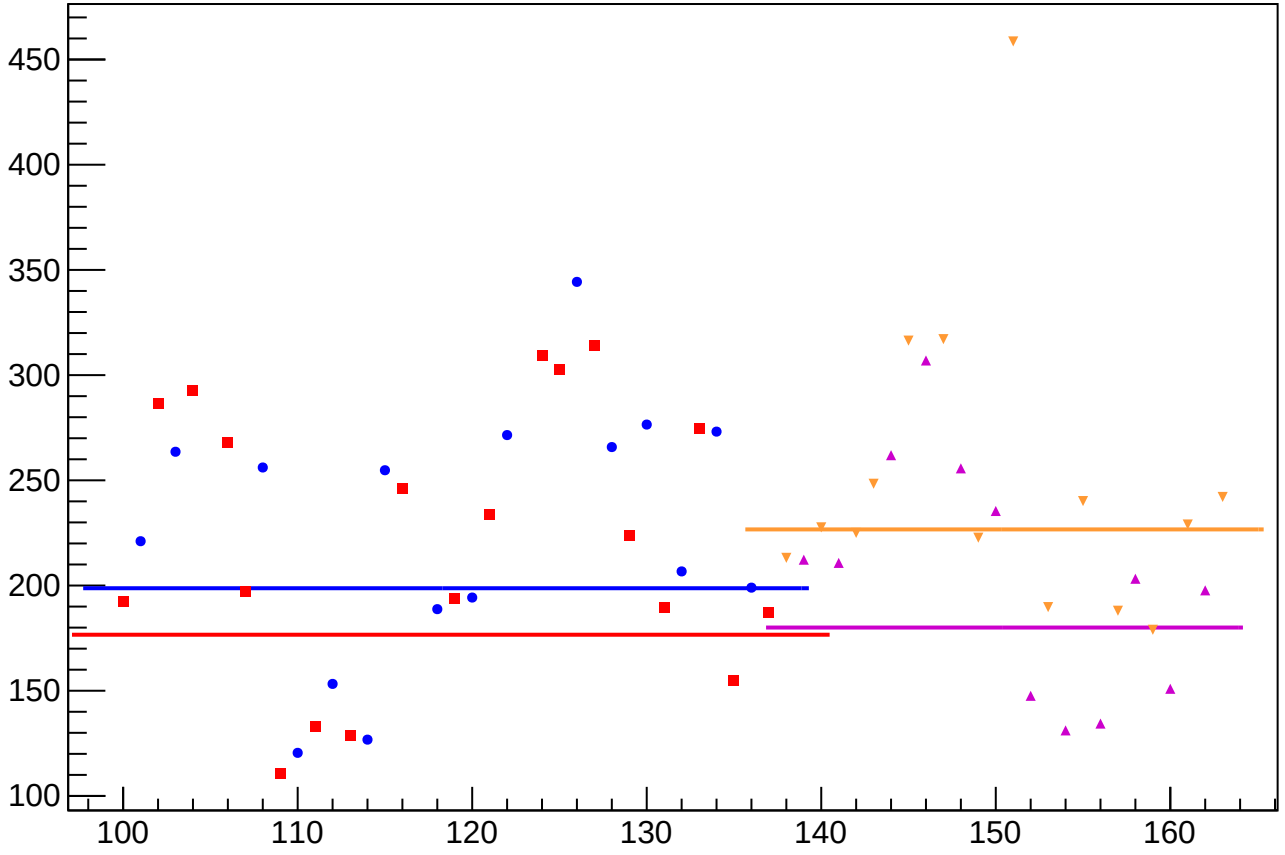
Left In: -152.465+/-59.798 χ^2/NDF:4.5/11

+ sign 67.808+/-52.240 χ^2/NDF: 25.0/29

All: 15.498+/-34.285 χ^2/NDF: 52.4/60

- sign -24.080+/-45.440 χ^2/NDF: 25.7/30

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 226.673+/-0.050 χ^2/NDF:937332.6/13

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

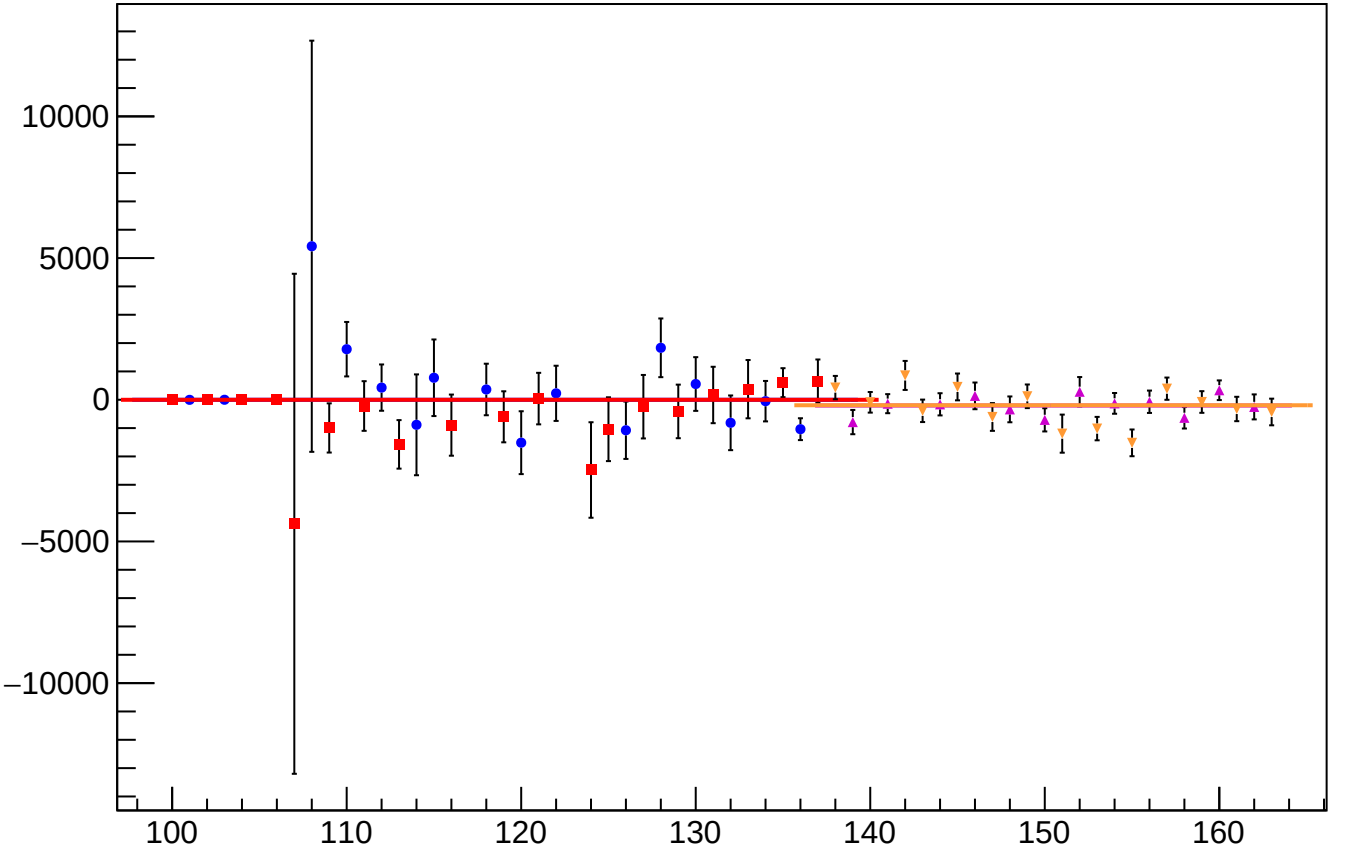
Left In: 180.034+/-0.042 χ^2/NDF:1345285.4/11

+ sign 214.117+/-0.037 χ^2/NDF: 2073101.2/29

All: 193.893+/-0.024 χ^2/NDF: 5543356.2/60

- sign 178.592+/-0.032 χ^2/NDF: 2943748.4/30

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -193.871+/-116.360 χ^2/NDF:26.8/13

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

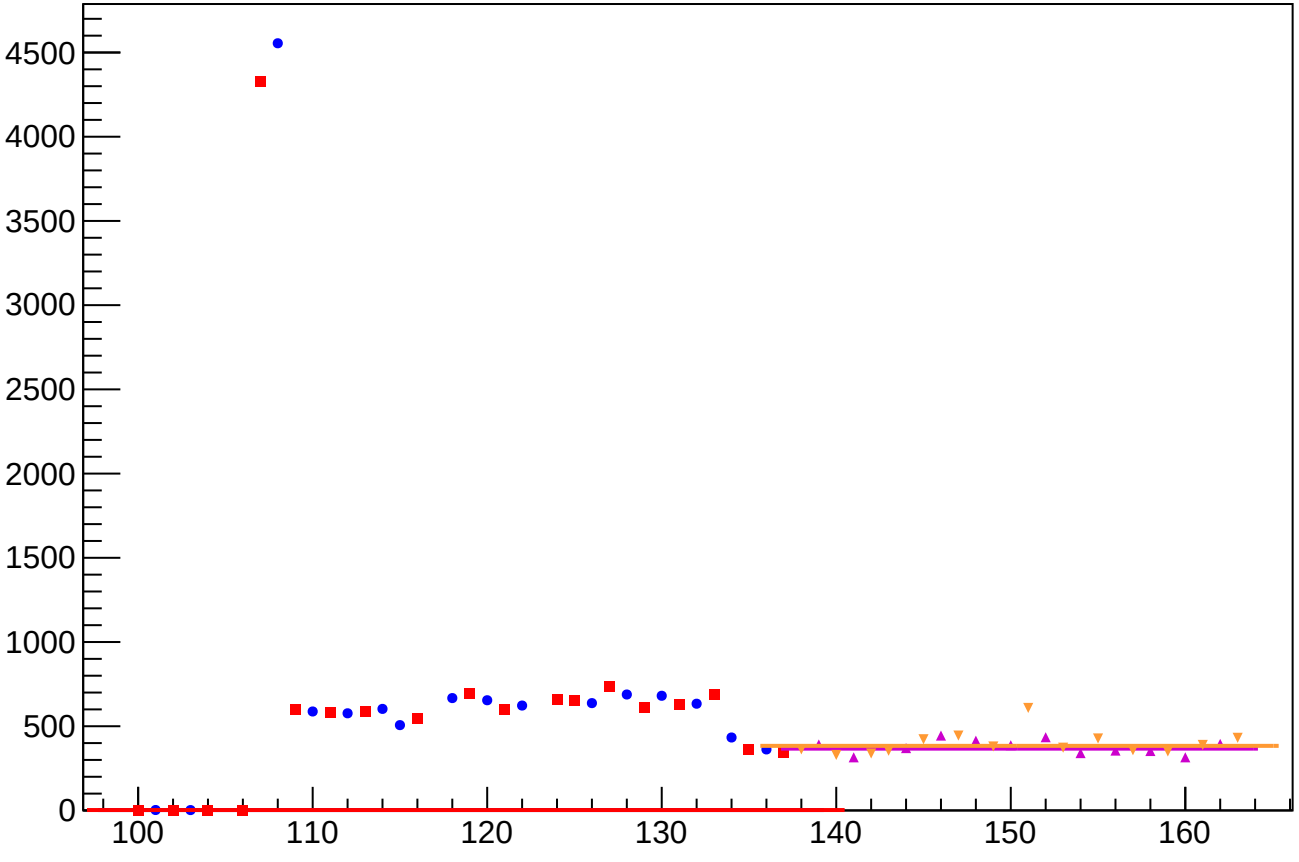
Left In: -203.696+/-116.137 χ^2/NDF:8.8/11

+ sign -1.306+/-2.170 χ^2/NDF: 49.4/29

All: -1.377+/-1.479 χ^2/NDF: 78.1/60

- sign -1.439+/-2.022 χ^2/NDF: 28.7/30

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.543+/-0.082 χ^2/NDF:408447.5/13

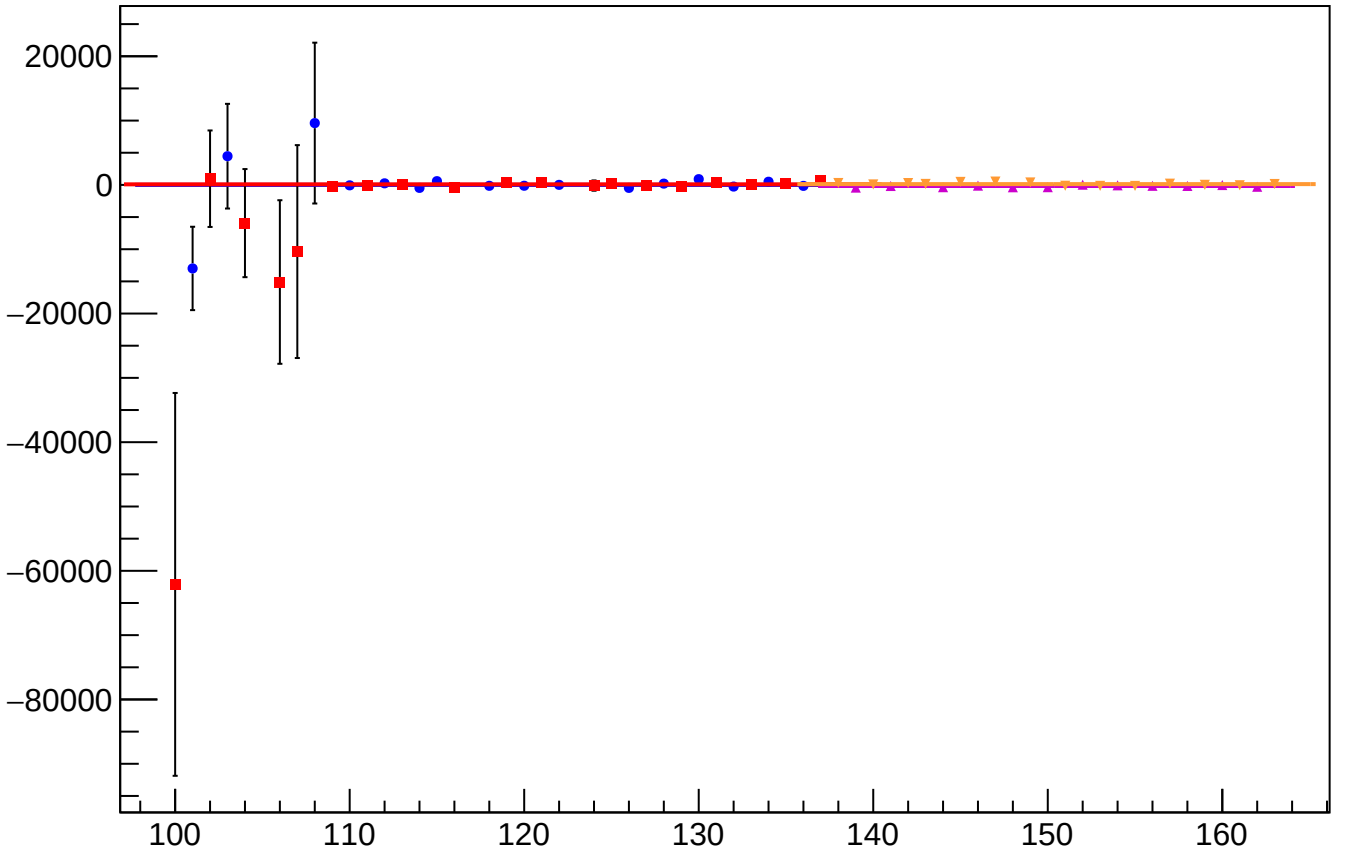
Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 367.010+/-0.082 χ^2/NDF:235638.6/11

+ sign 2.609+/-0.002 χ^2/NDF: 33476831.7/29

All: 2.590+/-0.001 χ^2/NDF: 64958227.7/60

- sign 2.573+/-0.001 χ^2/NDF: 31481091.5/30



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 123.981+/-74.330 χ^2/NDF:6.9/13

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

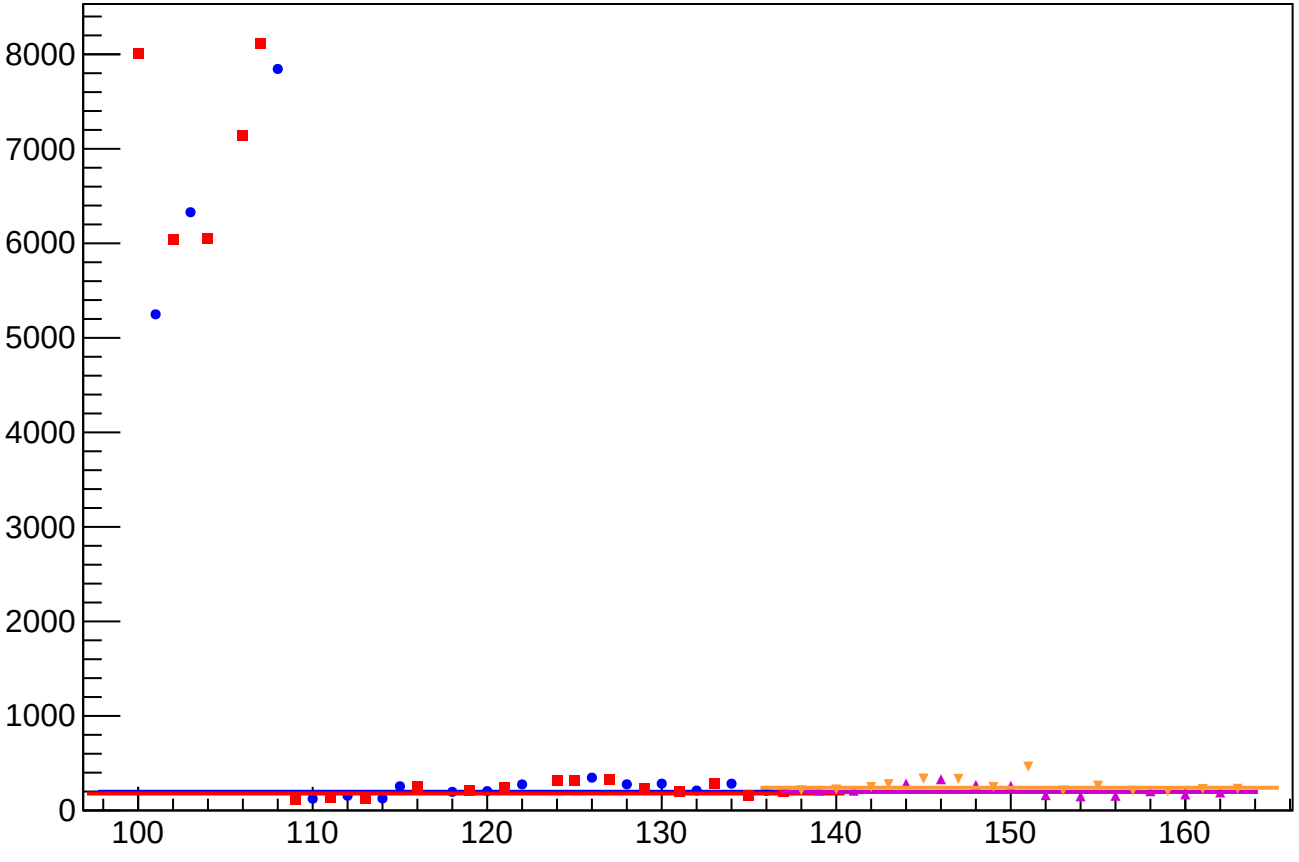
Left In: -168.466+/-64.325 χ^2/NDF:4.6/11

+ sign 72.476+/-56.737 χ^2/NDF: 24.9/29

All: -7.078+/-37.729 χ^2/NDF: 53.9/60

- sign -70.148+/-50.518 χ^2/NDF: 25.6/30

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 240.317+/-0.053 χ^2/NDF:854991.3/13

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

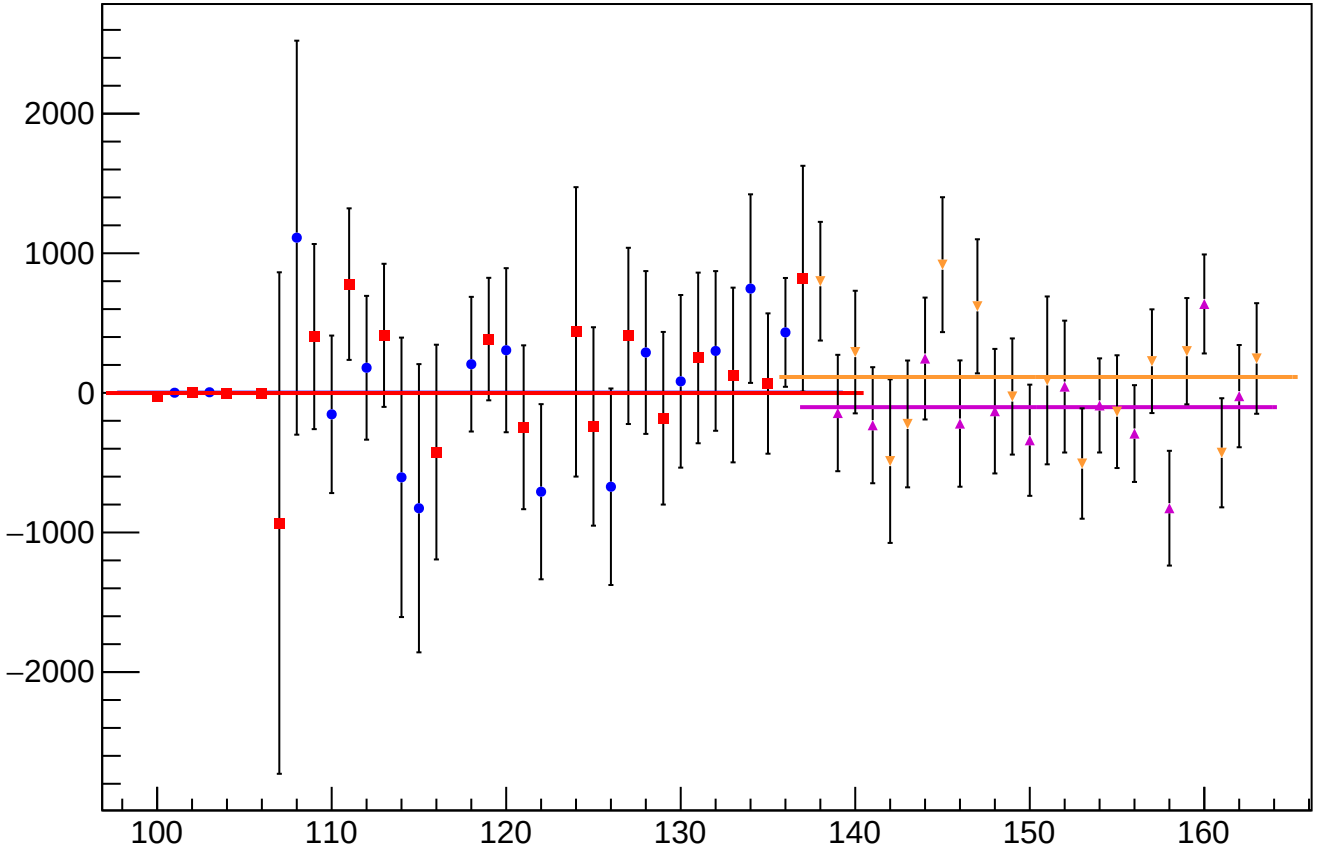
Left In: 195.570+/-0.045 χ^2/NDF:1064299.7/11

+ sign 222.497+/-0.040 χ^2/NDF: 5087615.0/29

All: 203.989+/-0.027 χ^2/NDF: 11001226.9/60

- sign 189.315+/-0.036 χ^2/NDF: 5532058.4/30

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 113.749+/-115.283 χ^2/NDF:13.6/13

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

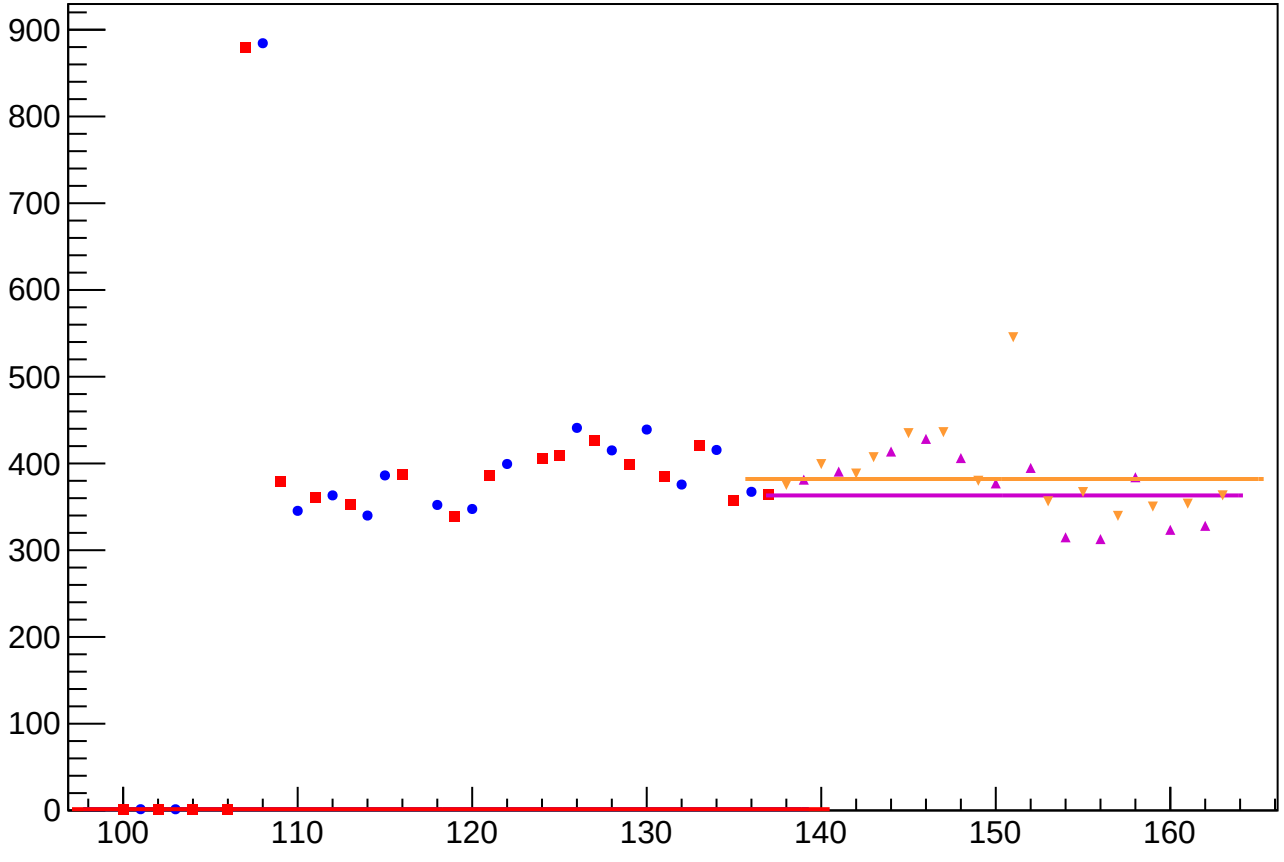
Left In: -102.259+/-114.756 χ^2/NDF:9.1/11

+ sign 1.479+/-1.660 χ^2/NDF: 22.4/29

All: 0.076+/-1.124 χ^2/NDF: 42.7/60

- sign -1.111+/-1.528 χ^2/NDF: 19.0/30

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 382.094+/-0.082 χ^2/NDF:273444.9/13

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

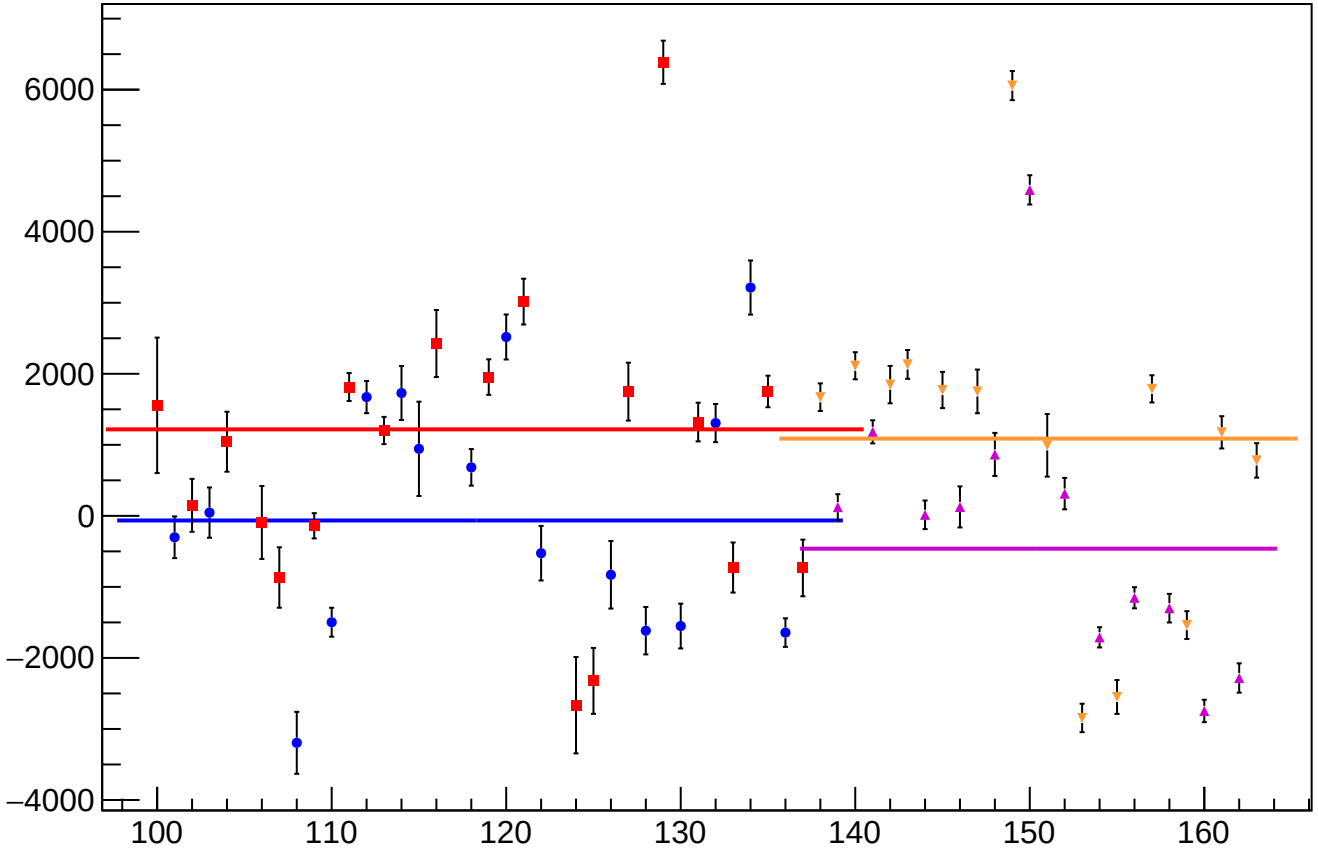
Left In: 363.145+/-0.081 χ^2/NDF:242620.6/11

+ sign 1.549+/-0.001 χ^2/NDF: 33806041.3/29

All: 1.539+/-0.001 χ^2/NDF: 65182205.1/60

- sign 1.531+/-0.001 χ^2/NDF: 31376038.4/30

asym_bcm0l02_mean vs Slug



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1087.695+/-59.790 χ^2/NDF:1485.2/13

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

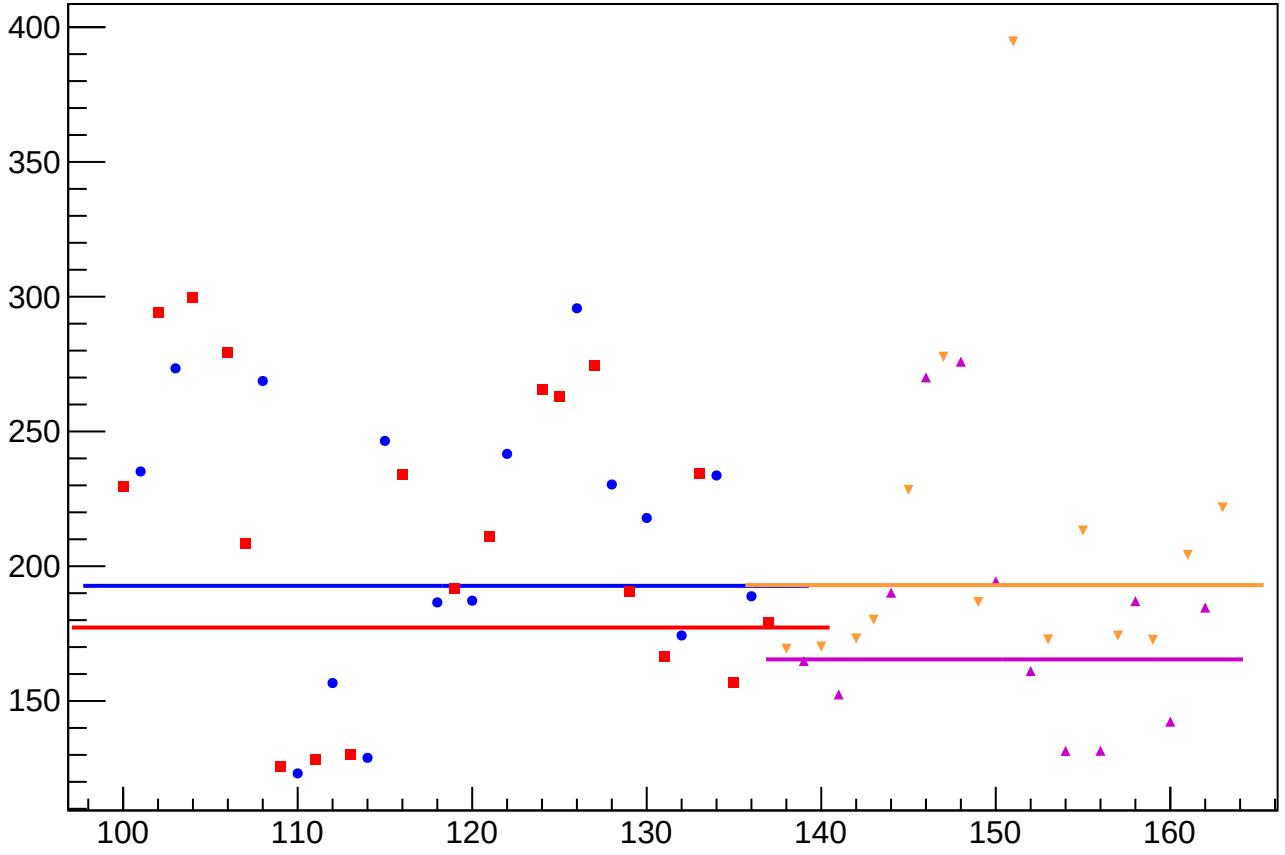
Left In: -461.941+/-54.057 χ^2/NDF:1157.8/11

\+ sign 639.017+/-46.727 χ^2/NDF: 2099.3/29

All: 386.316+/-31.464 χ^2/NDF: 4272.4/60

\- sign 176.687+/-42.558 χ^2/NDF: 2119.5/30

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.002+/-0.042 χ^2/NDF:797230.3/13

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

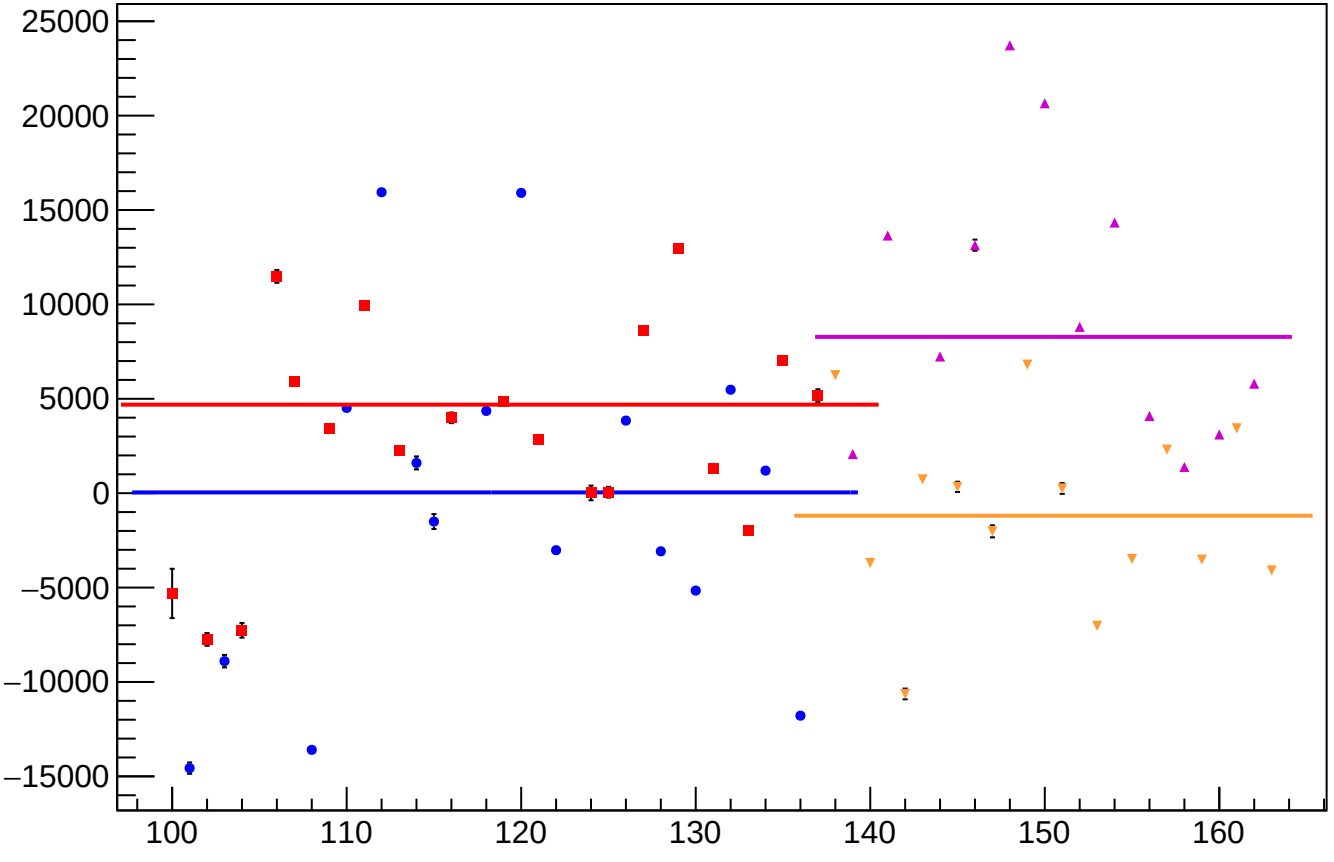
Left In: 165.433+/-0.038 χ^2/NDF:911671.7/11

+ sign 192.892+/-0.033 χ^2/NDF: 1556394.1/29

All: 180.339+/-0.022 χ^2/NDF: 3994657.6/60

- sign 169.926+/-0.030 χ^2/NDF: 2174195.8/30

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

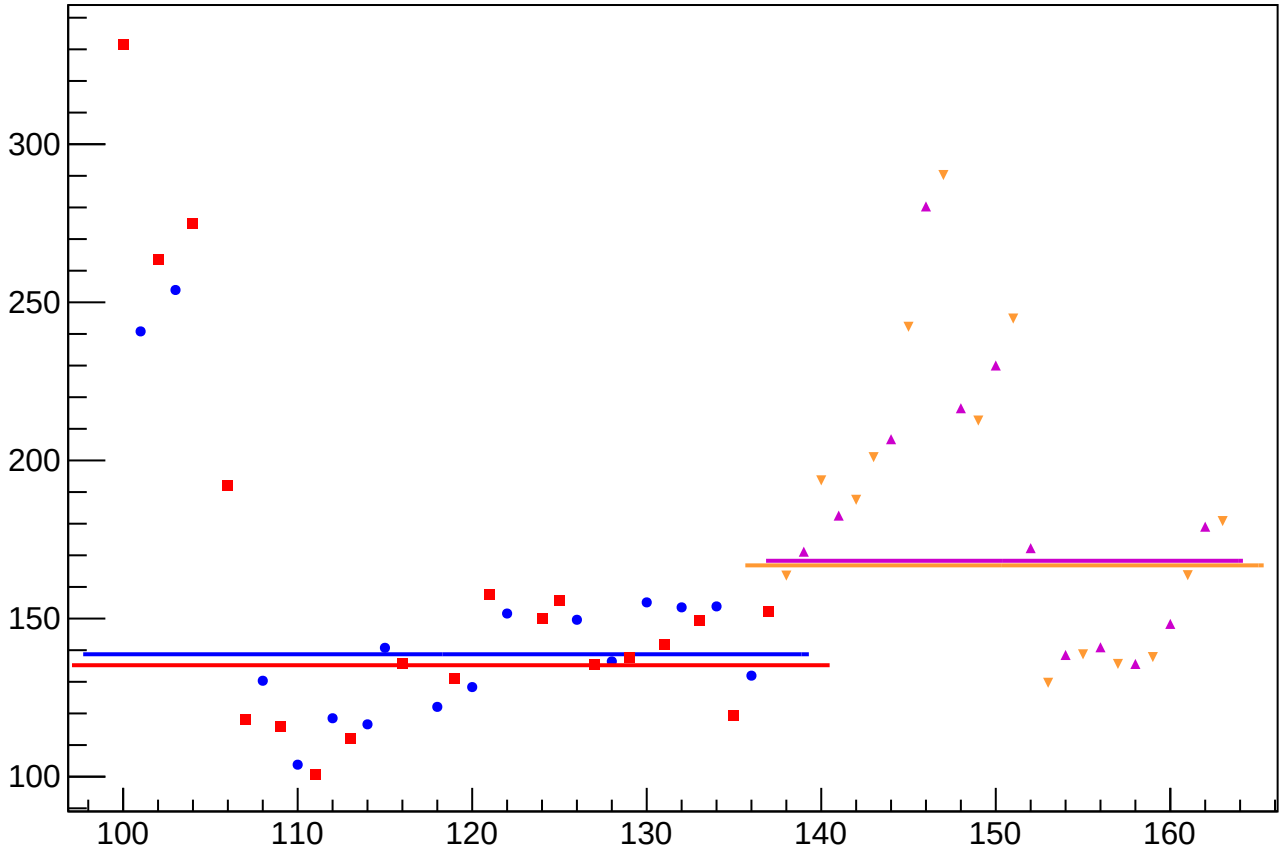
Left In: 8279.605+/-54.670 χ^2/NDF:14380.4/11

+ sign -603.235+/-37.462 χ^2/NDF: 38727.0/29

All: 2873.989+/-26.578 χ^2/NDF: 80510.2/60

- sign 6398.141+/-37.714 χ^2/NDF: 24436.0/30

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

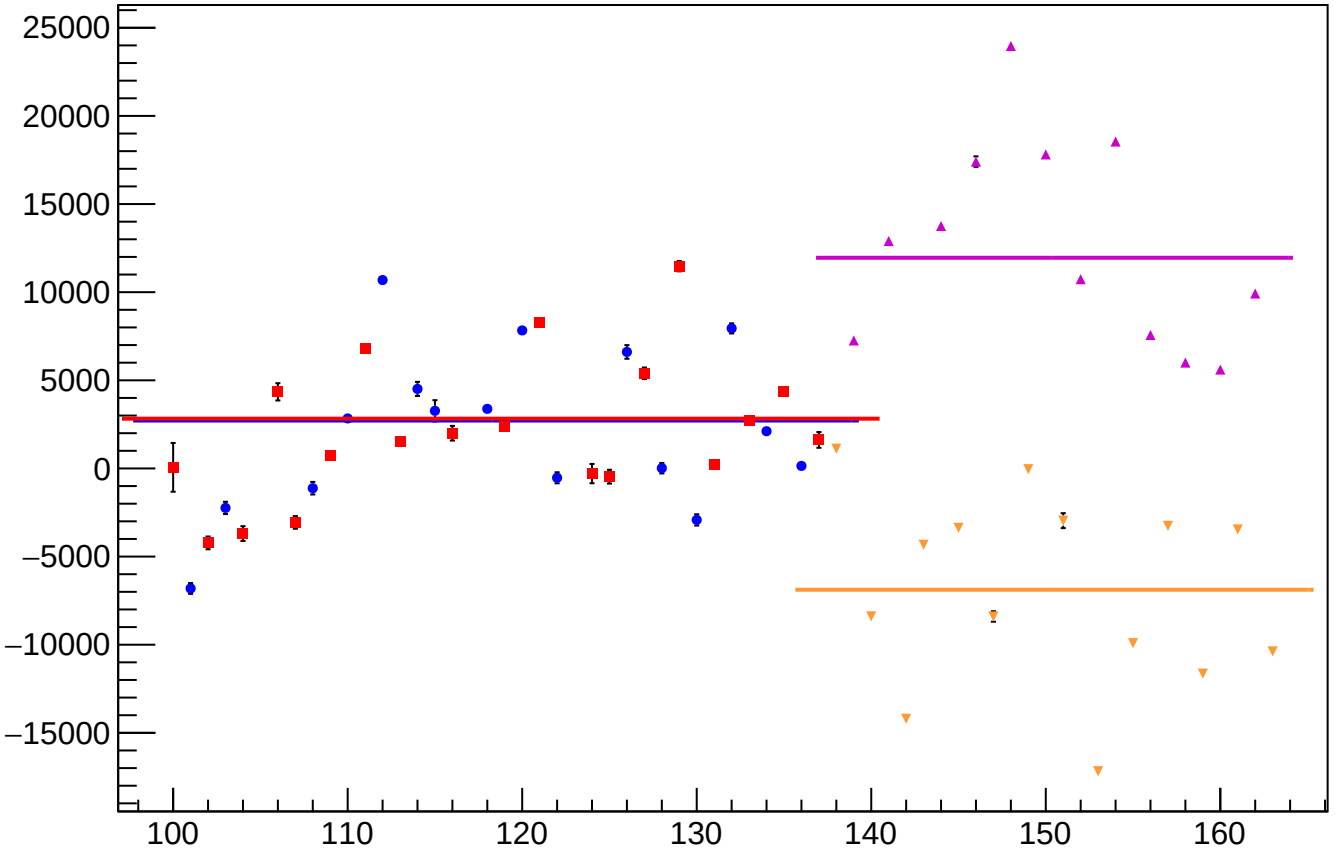
Left In: 168.274+/-0.039 χ^2/NDF:840197.2/11

+ sign 153.392+/-0.026 χ^2/NDF: 2075713.3/29

All: 152.186+/-0.019 χ^2/NDF: 4192701.0/60

- sign 150.964+/-0.027 χ^2/NDF: 2112813.5/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

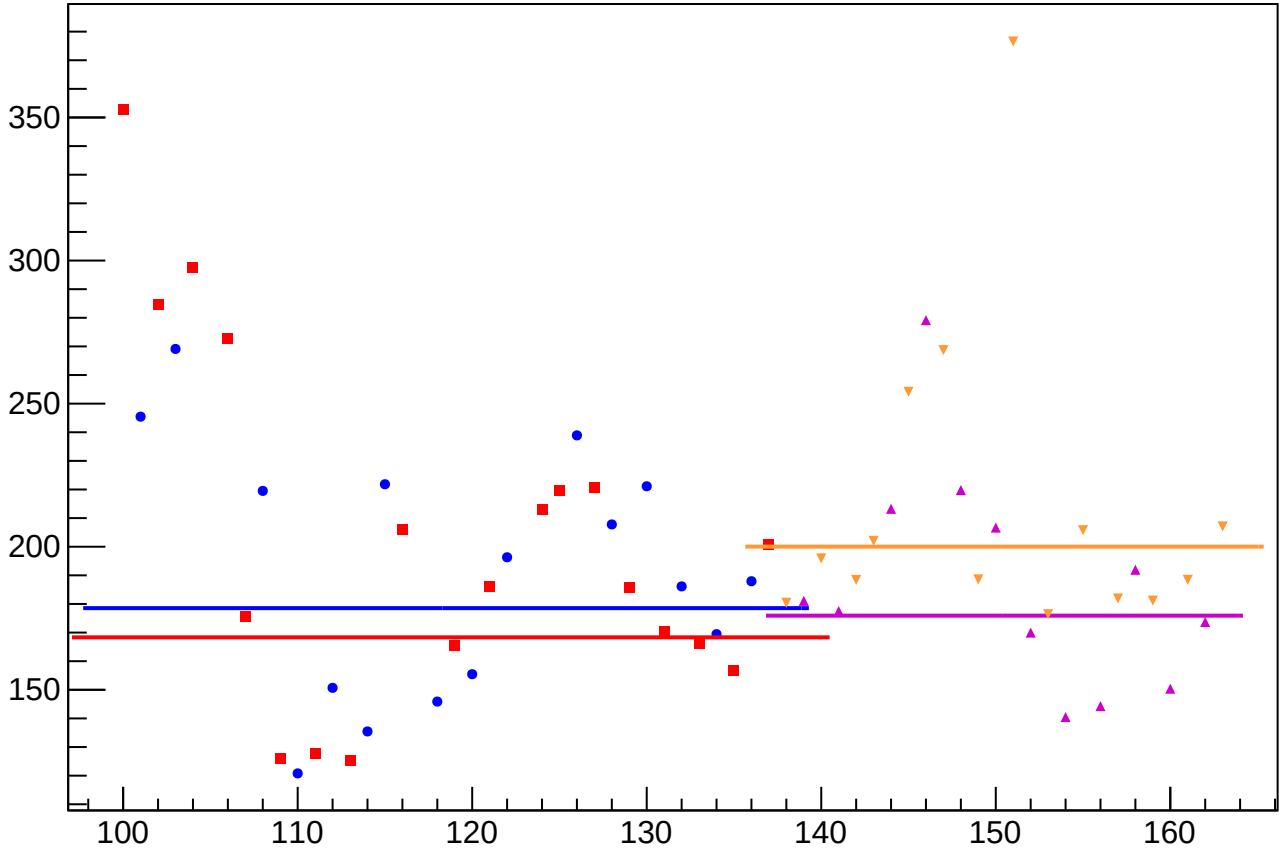
Left In: 11952.795+/-57.005 χ^2/NDF:9124.0/11

+ sign -2644.947+/-45.998 χ^2/NDF: 22732.5/29

All: 3044.418+/-31.340 χ^2/NDF: 74651.0/60

- sign 7973.573+/-42.815 χ^2/NDF: 23365.9/30

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

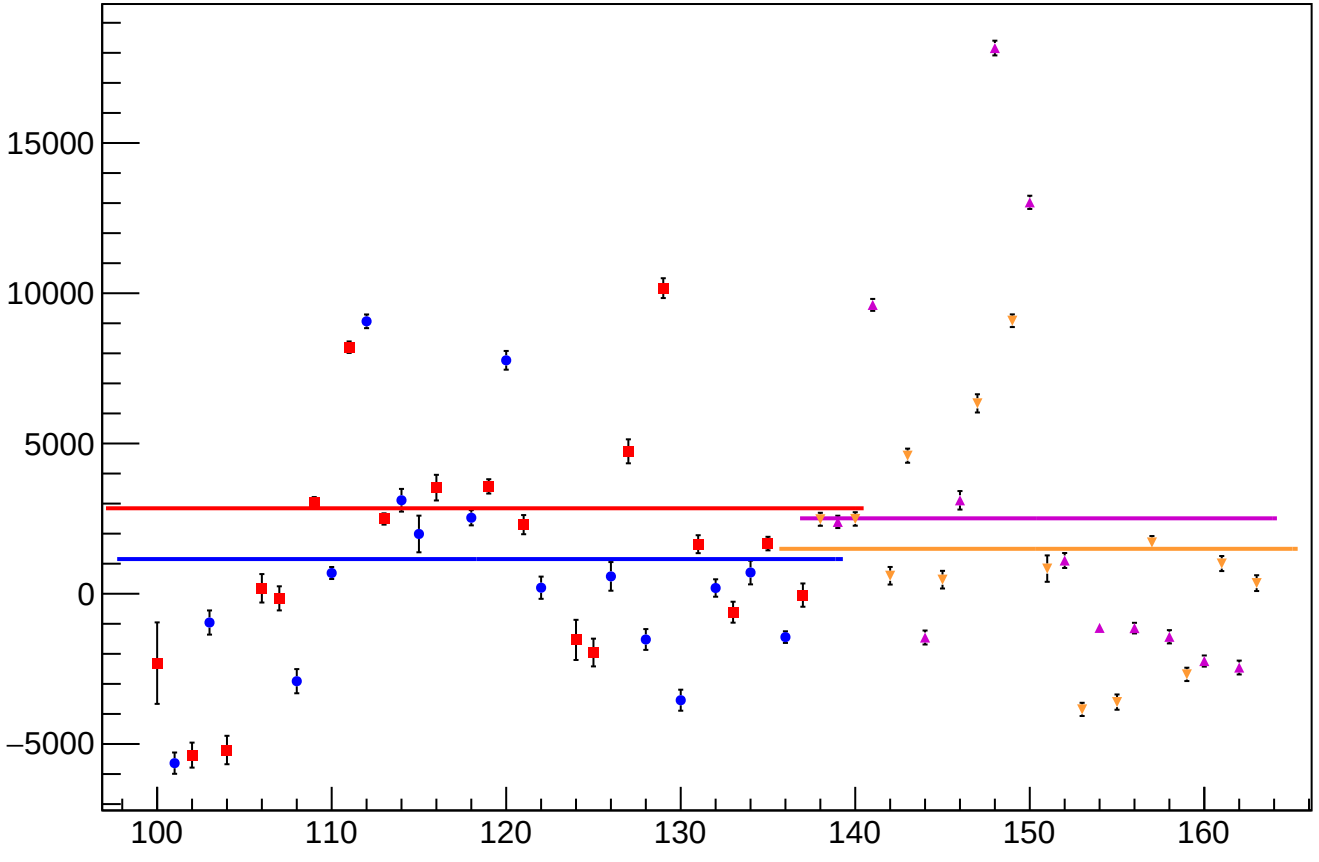
Left In: 175.912+/-0.040 χ^2/NDF:647707.3/11

+ sign 190.551+/-0.033 χ^2/NDF: 1407521.8/29

All: 180.938+/-0.022 χ^2/NDF: 3213150.4/60

- sign 172.609+/-0.030 χ^2/NDF: 1642597.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

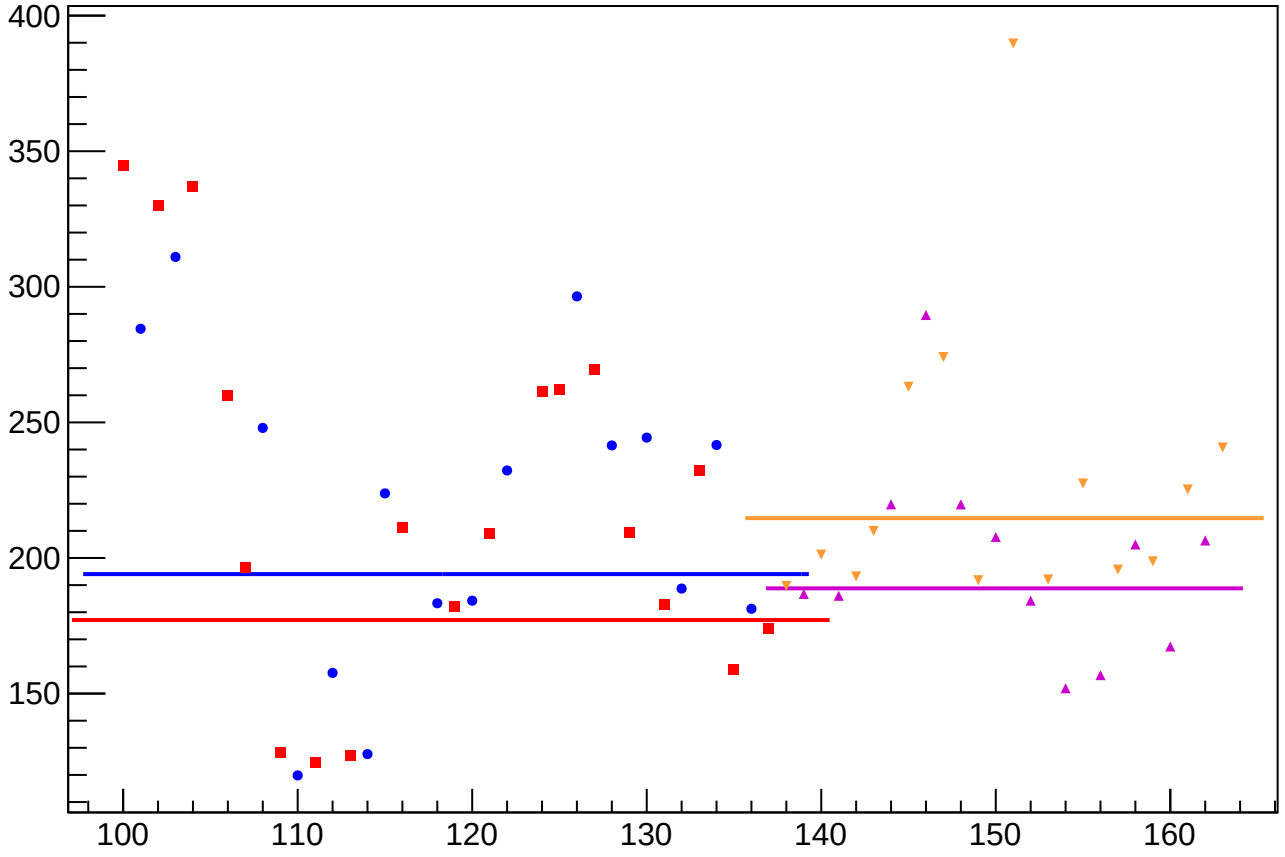
Left In: 2509.475+/-61.010 χ^2/NDF:10305.1/11

+ sign 1348.247+/-49.828 χ^2/NDF: 5823.5/29

All: 2057.812+/-33.698 χ^2/NDF: 18968.6/60

- sign 2655.879+/-45.746 χ^2/NDF: 12771.4/30

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

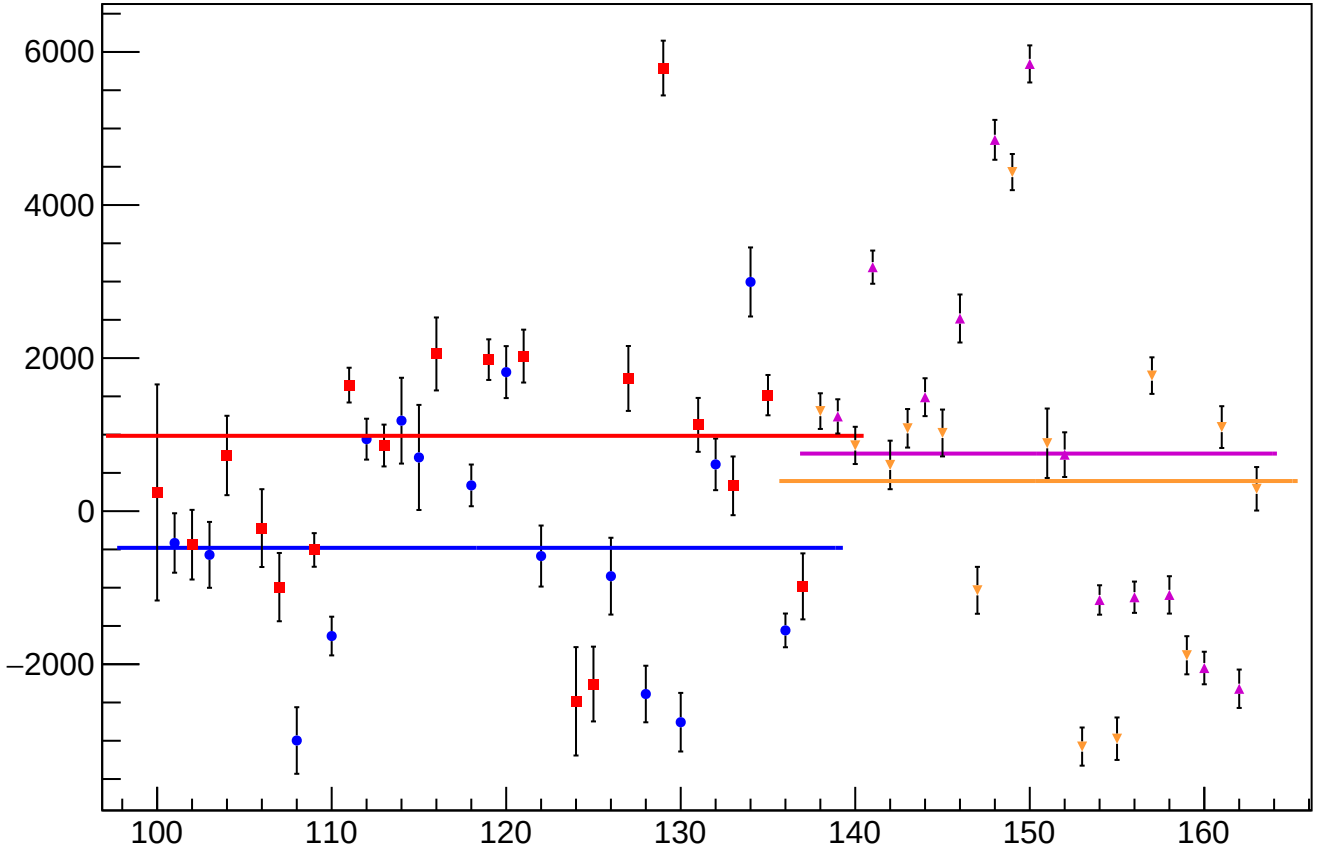
Left In: 188.802+/-0.043 χ^2/NDF:512568.4/11

+ sign 205.812+/-0.035 χ^2/NDF: 1642526.5/29

All: 193.805+/-0.024 χ^2/NDF: 3760560.1/60

- sign 183.686+/-0.032 χ^2/NDF: 1904044.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

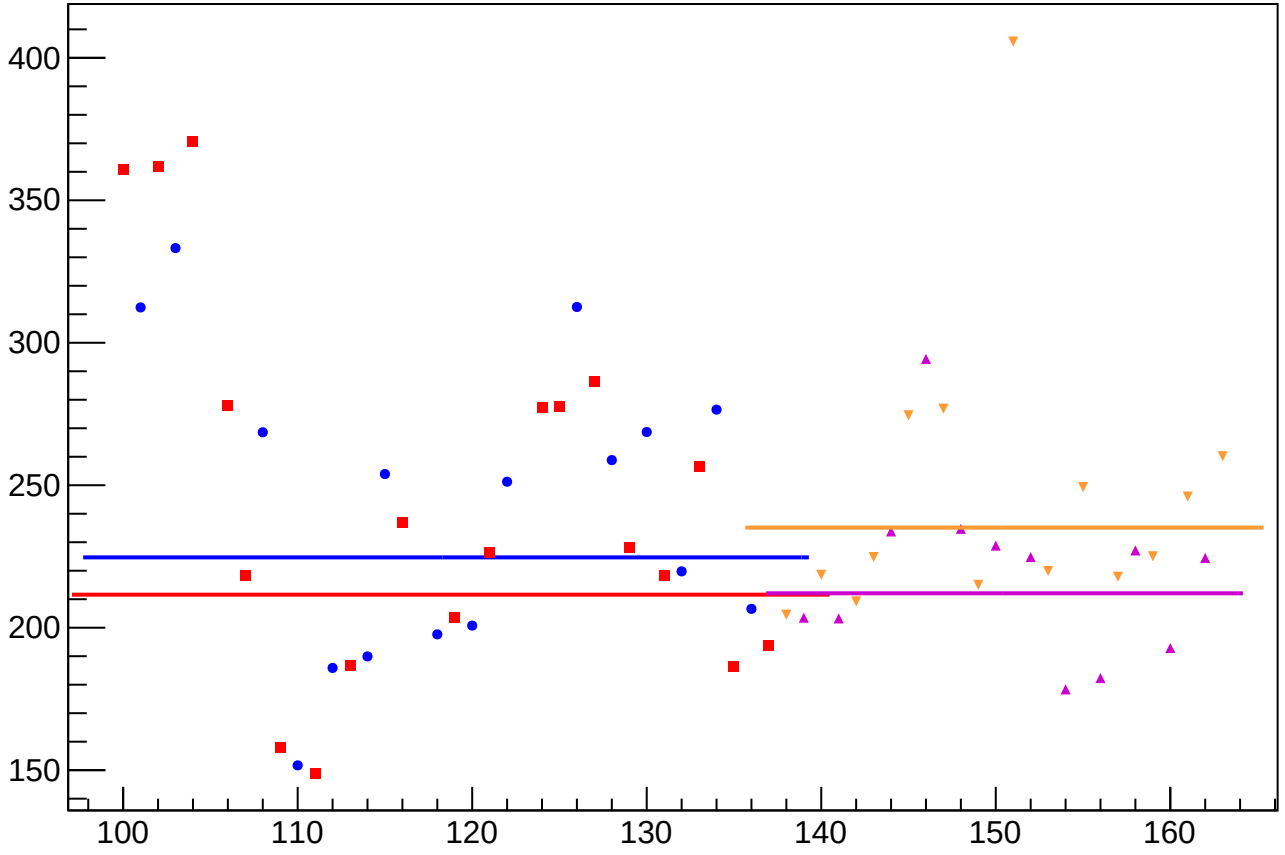
Left In: 752.308+/-67.884 χ^2/NDF:1424.7/11

+ sign 38.116+/-55.323 χ^2/NDF: 1176.5/29

All: 468.097+/-37.895 χ^2/NDF: 3118.0/60

- sign 848.181+/-52.014 χ^2/NDF: 1827.6/30

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

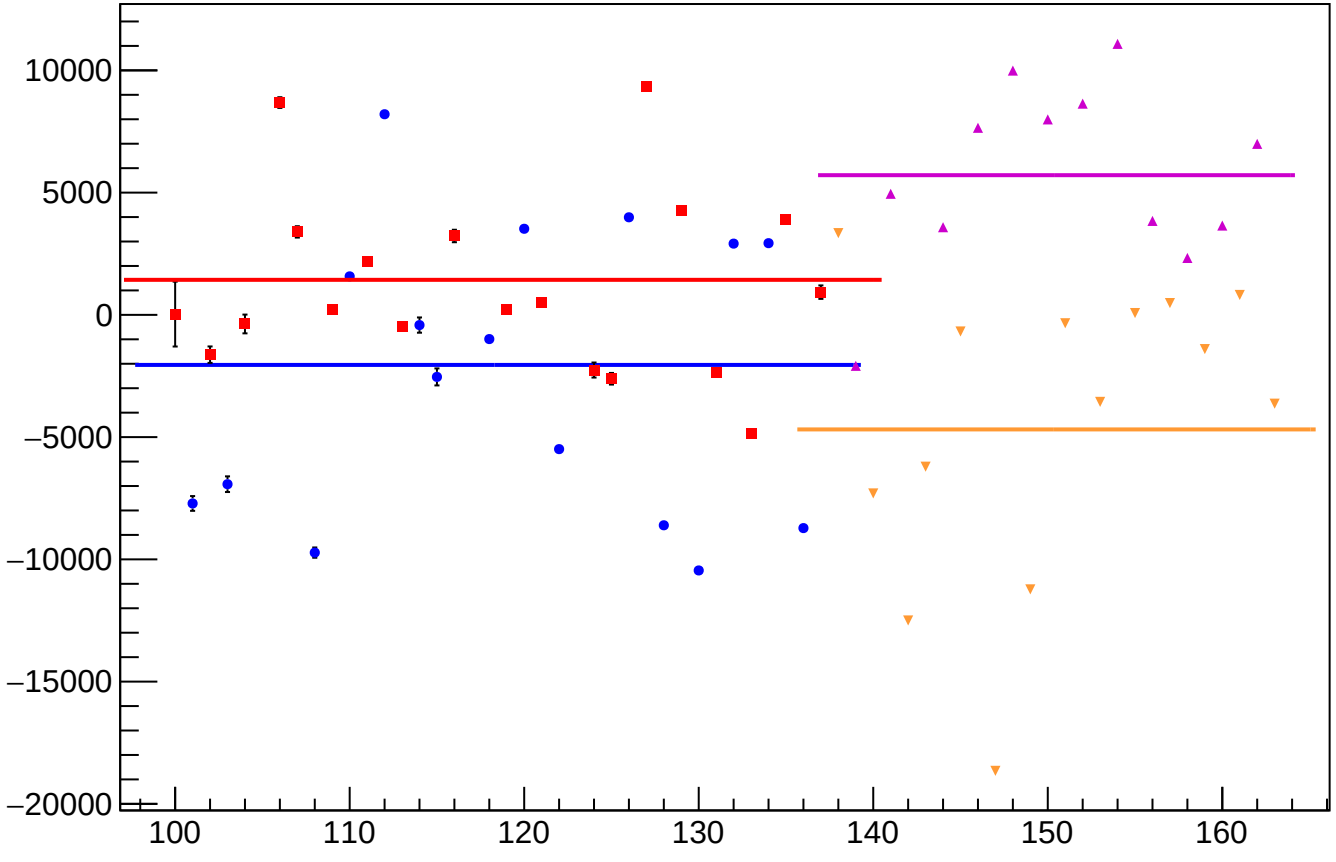
Left In: 212.074+/-0.048 χ^2/NDF:320149.6/11

+ sign 230.877+/-0.039 χ^2/NDF: 1143240.3/29

All: 220.792+/-0.027 χ^2/NDF: 2521564.5/60

- sign 211.876+/-0.037 χ^2/NDF: 1253093.3/30

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

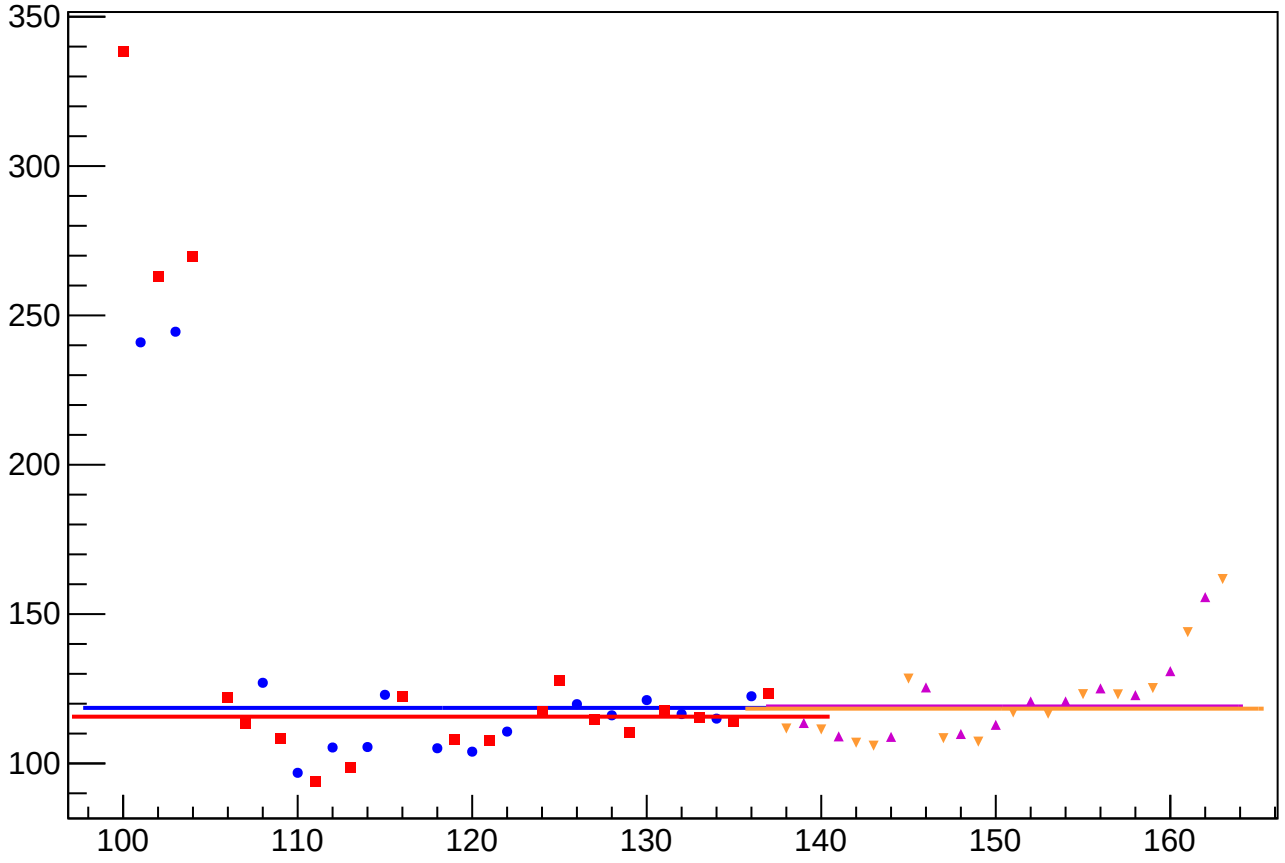
Left In: 5713.097+/-37.583 χ^2/NDF:9269.0/11

+ sign -3702.993+/-28.511 χ^2/NDF: 48404.7/29

All: 84.217+/-20.253 χ^2/NDF: 105047.2/60

- sign 3941.800+/-28.774 χ^2/NDF: 21024.2/30

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

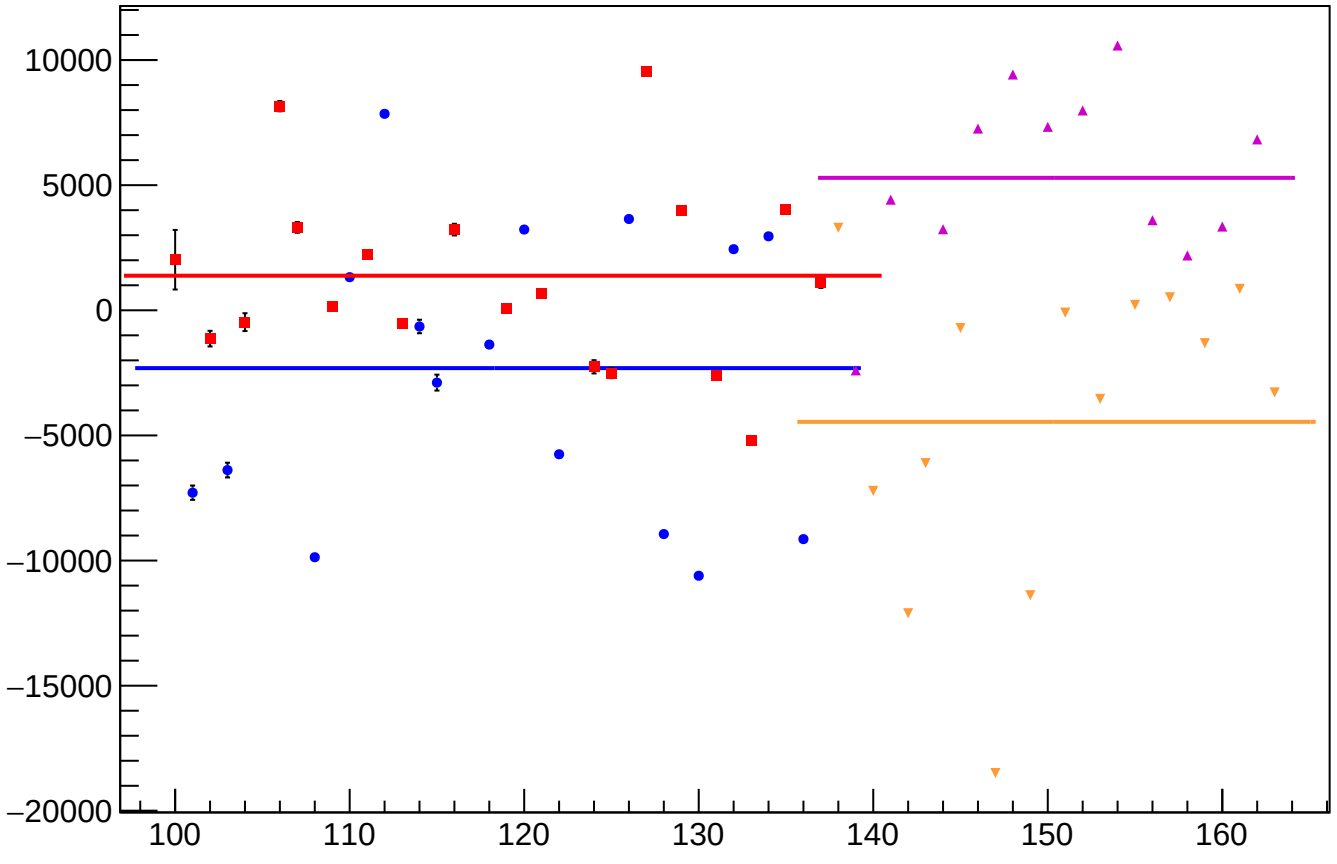
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 119.077+/-0.027 χ^2/NDF:162611.2/11

+ sign 118.434+/-0.020 χ^2/NDF: 999936.5/29

All: 118.052+/-0.014 χ^2/NDF: 2034323.4/60

- sign 117.663+/-0.020 χ^2/NDF: 1033661.0/30



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4456.361+/-32.286 χ^2/NDF:35893.9/13

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

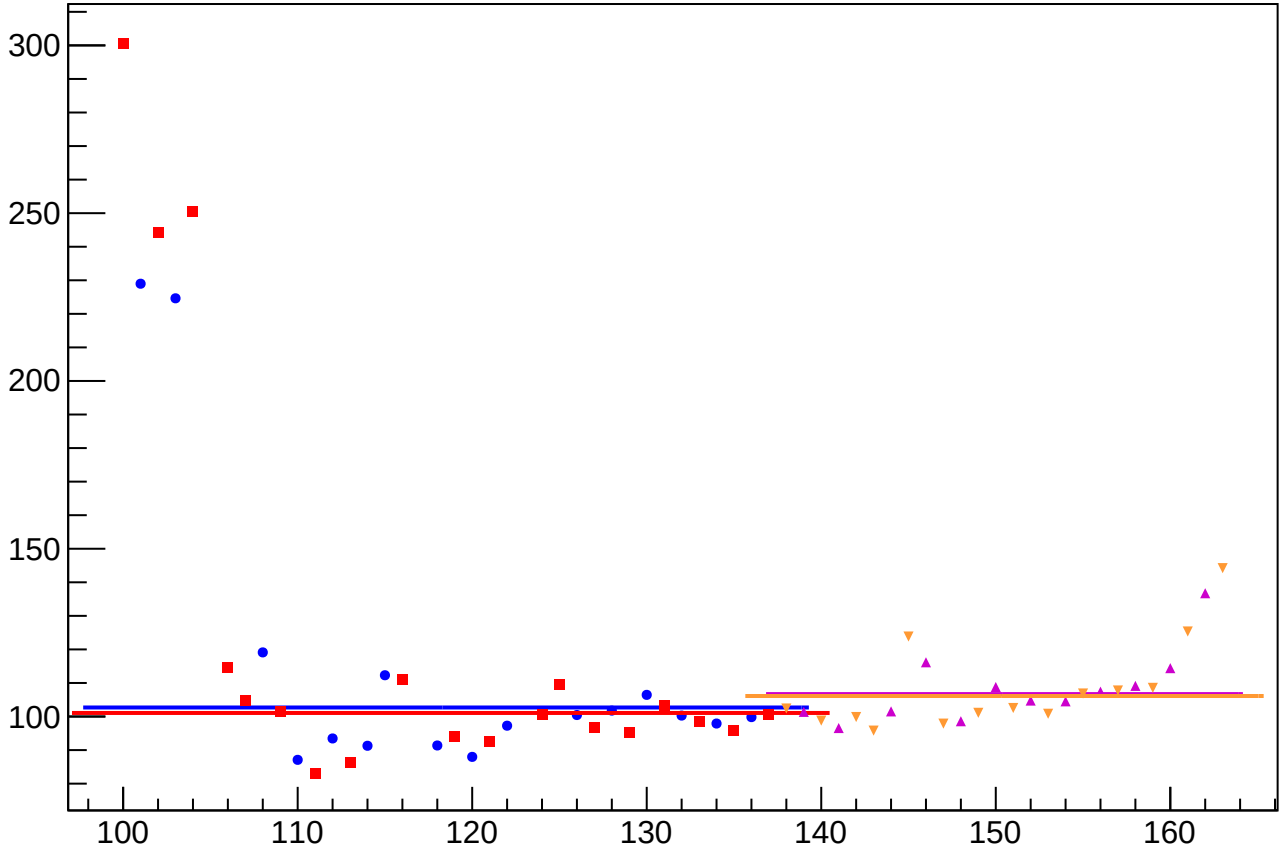
Left In: 5292.954+/-33.690 χ^2/NDF:11007.5/11

+ sign -3628.470+/-25.302 χ^2/NDF: 59277.7/29

All: -36.087+/-17.992 χ^2/NDF: 125342.3/60

- sign 3638.404+/-25.590 χ^2/NDF: 25287.2/30

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 106.116+/-0.023 χ^2/NDF:242473.3/13

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

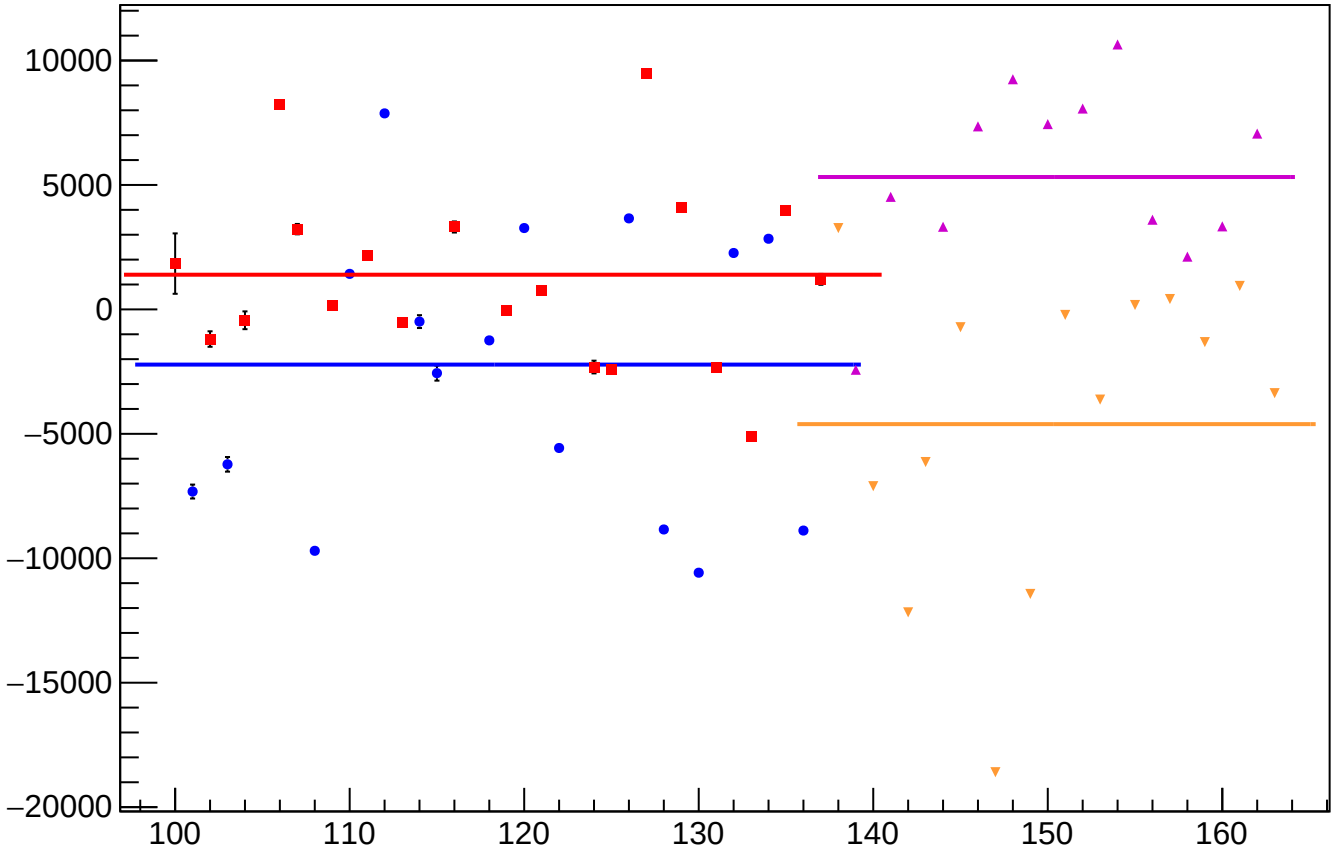
Left In: 106.685+/-0.024 χ^2/NDF:137675.8/11

+ sign 104.795+/-0.018 χ^2/NDF: 1076943.2/29

All: 104.554+/-0.013 χ^2/NDF: 2169009.6/60

- sign 104.307+/-0.018 χ^2/NDF: 1091697.8/30

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4610.062+/-31.584 χ^2/NDF:38739.7/13

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

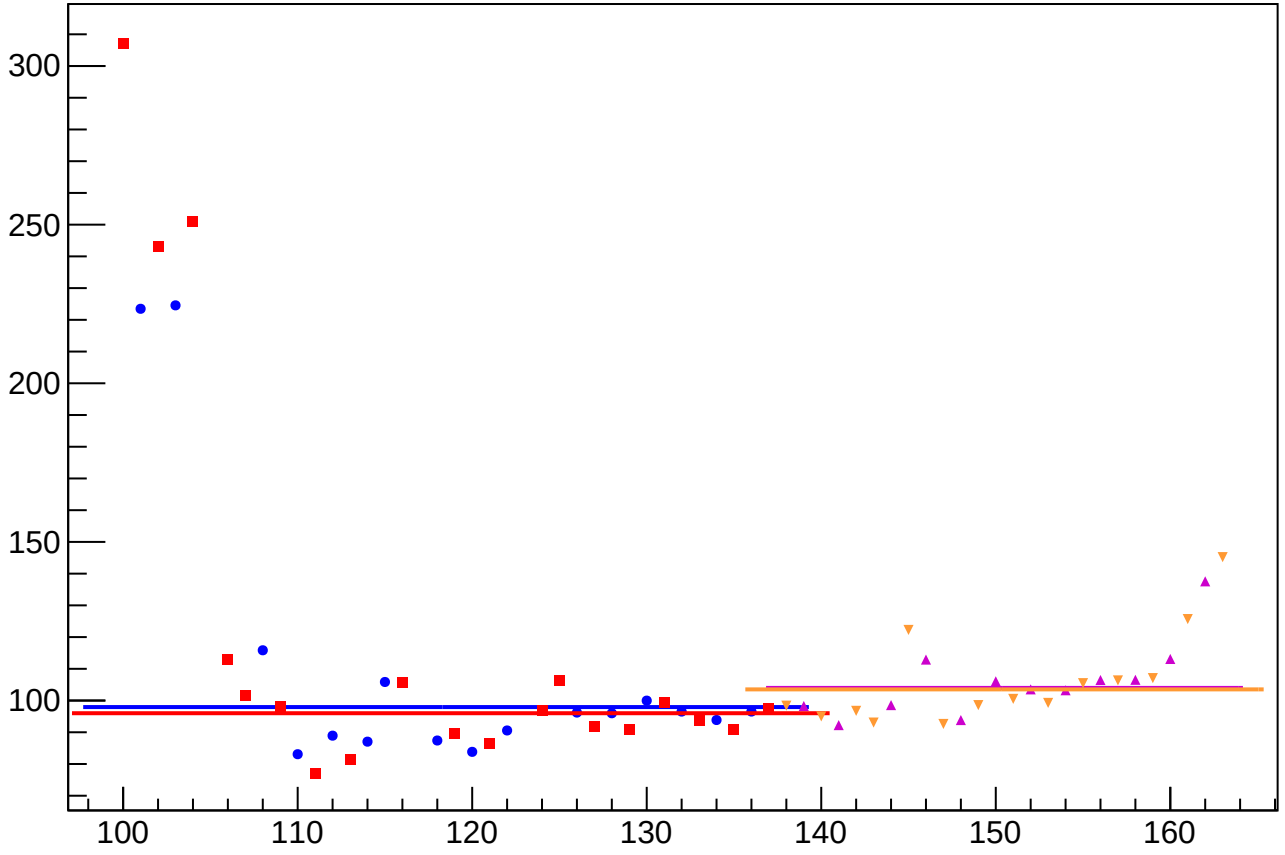
Left In: 5319.211+/-32.925 χ^2/NDF:11664.8/11

+ sign -3663.755+/-24.554 χ^2/NDF: 64049.5/29

All: -55.645+/-17.436 χ^2/NDF: 134595.7/60

- sign 3614.453+/-24.764 χ^2/NDF: 26990.5/30

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 103.515+/-0.022 χ^2/NDF:299603.3/13

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

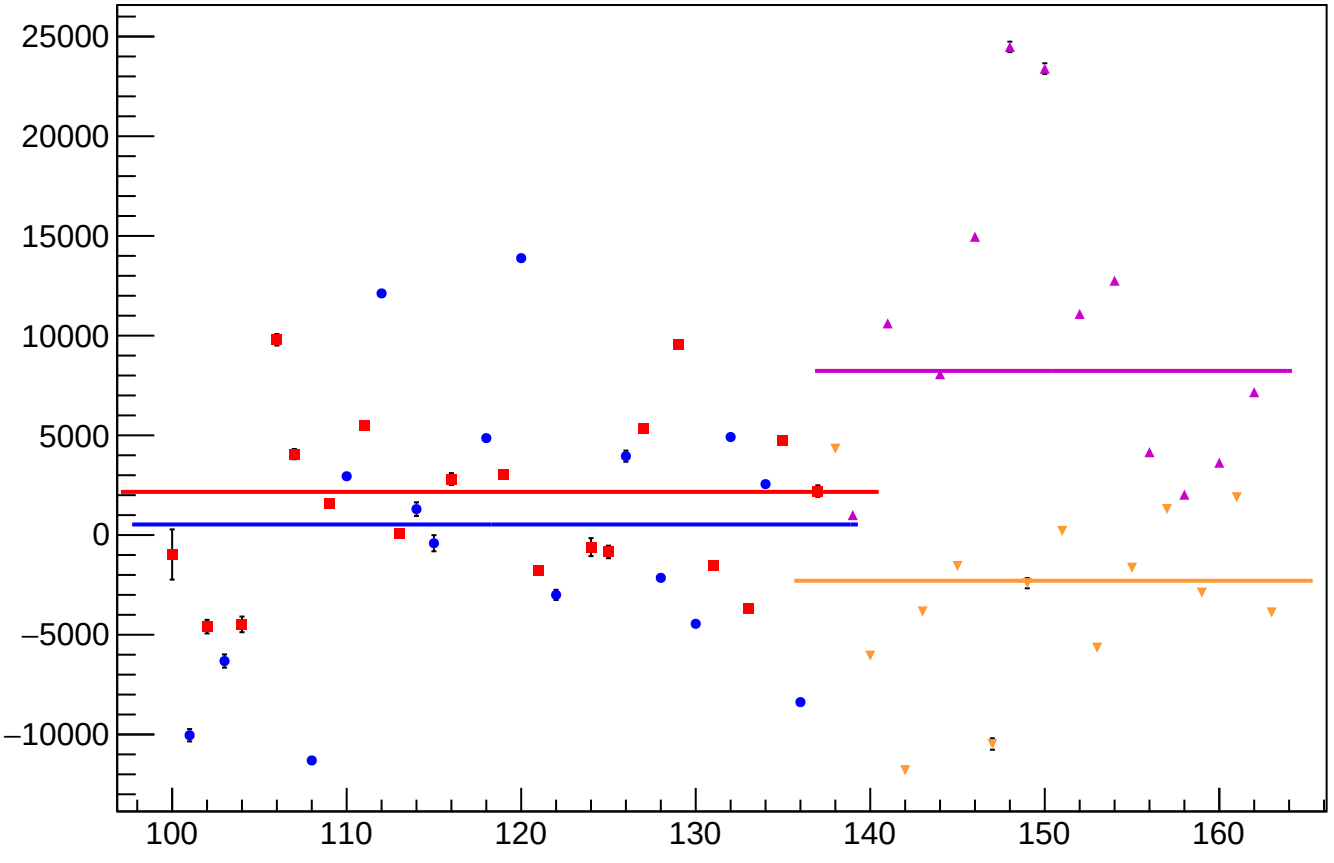
Left In: 103.981+/-0.023 χ^2/NDF:176132.1/11

+ sign 101.311+/-0.017 χ^2/NDF: 1192369.9/29

All: 100.917+/-0.012 χ^2/NDF: 2432797.6/60

- sign 100.517+/-0.018 χ^2/NDF: 1239392.1/30

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2291.444+/-46.673 χ^2/NDF:6948.3/13

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

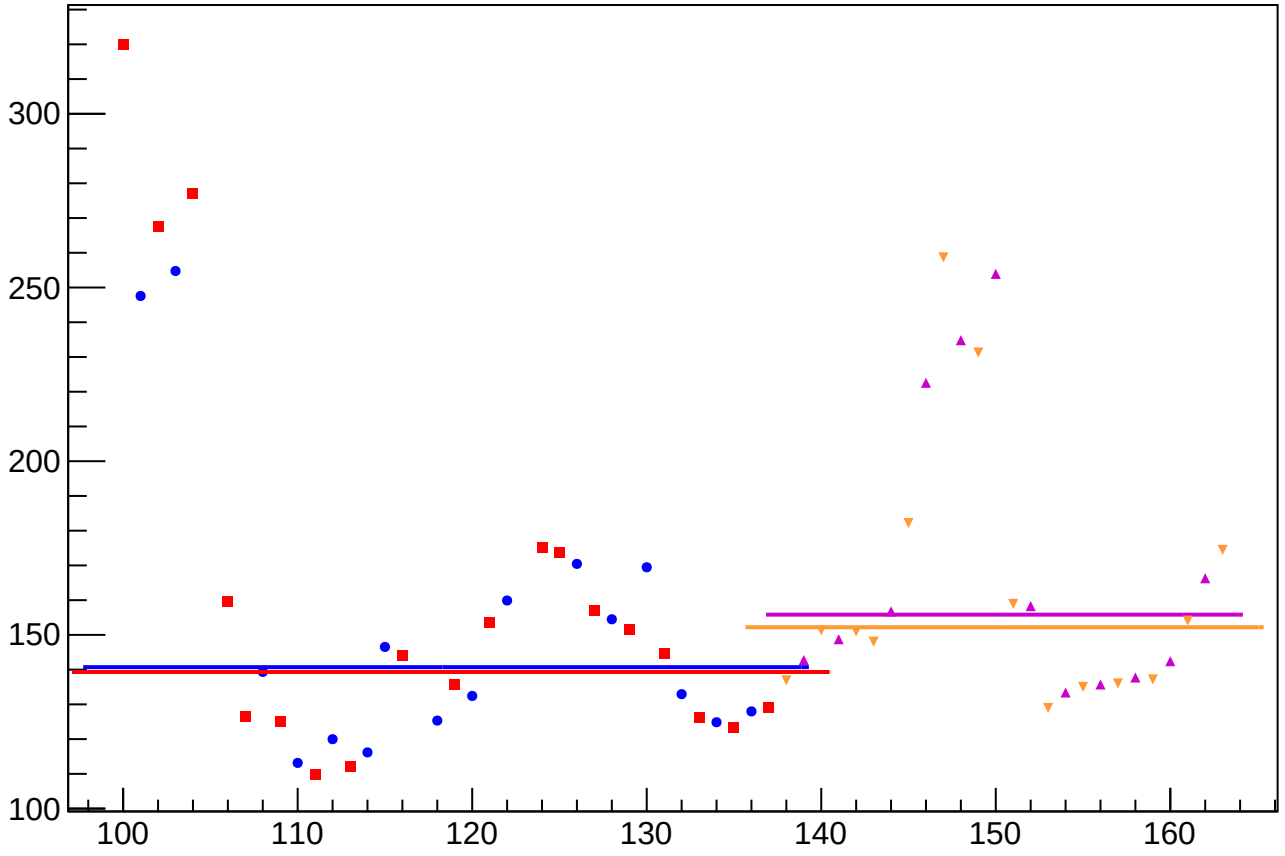
Left In: 8232.391+/-49.943 χ^2/NDF:14768.9/11

+ sign -1106.385+/-35.547 χ^2/NDF: 27071.1/29

All: 2063.546+/-25.464 χ^2/NDF: 70019.5/60

- sign 5404.704+/-36.495 χ^2/NDF: 26614.3/30

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.202+/-0.033 χ^2/NDF:689415.5/13

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

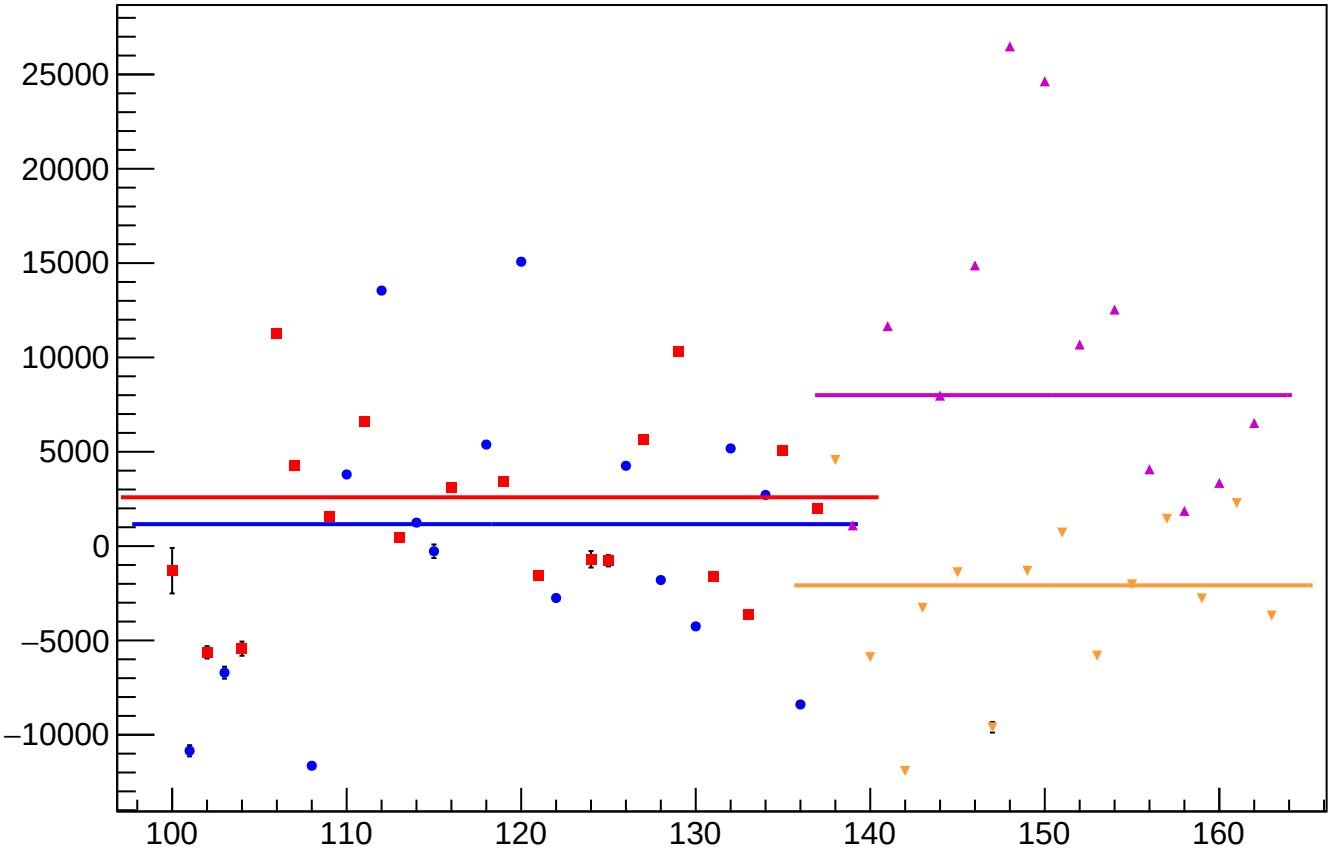
Left In: 155.825+/-0.035 χ^2/NDF:761891.2/11

+ sign 147.378+/-0.025 χ^2/NDF: 1415904.1/29

All: 147.745+/-0.018 χ^2/NDF: 3082390.0/60

- sign 148.132+/-0.026 χ^2/NDF: 1666048.3/30

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2080.125+/-41.079 χ^2/NDF:9195.0/13

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

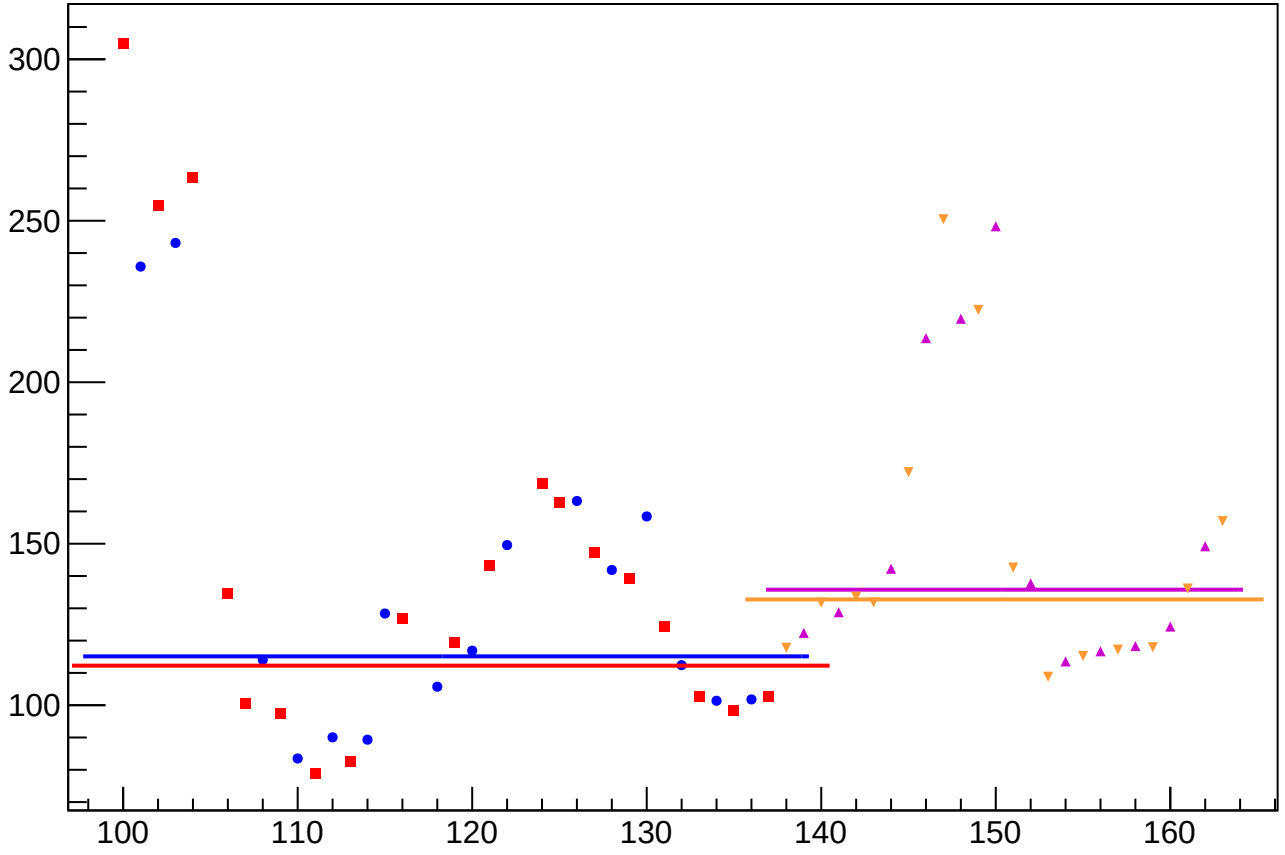
Left In: 8001.251+/-44.010 χ^2/NDF:19862.3/11

+ sign -638.818+/-30.619 χ^2/NDF: 42719.3/29

All: 2278.657+/-21.856 χ^2/NDF: 96716.1/60

- sign 5309.111+/-31.207 χ^2/NDF: 35487.7/30

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.747+/-0.029 χ^2/NDF:959679.3/13

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

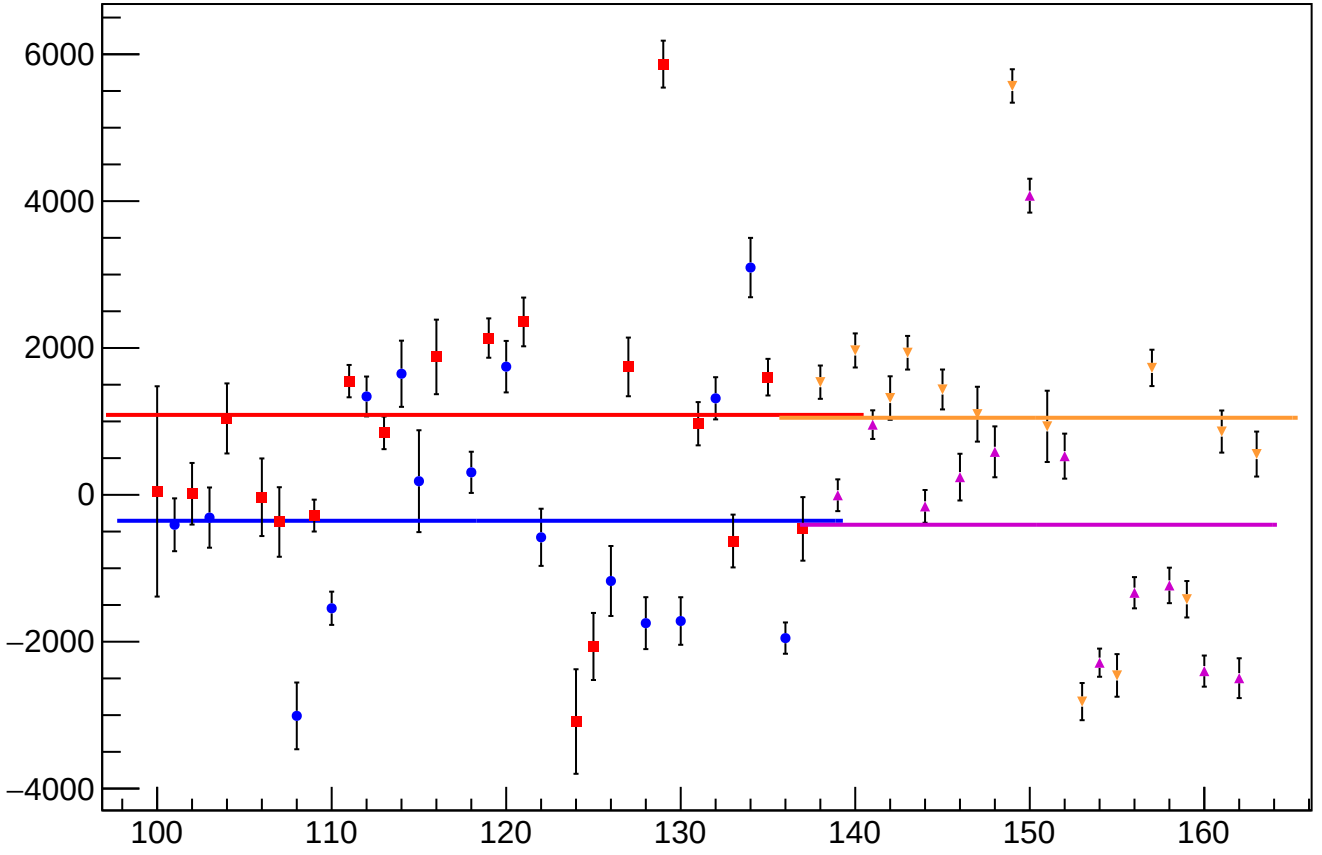
Left In: 135.771+/-0.031 χ^2/NDF:1034801.6/11

+ sign 124.915+/-0.022 χ^2/NDF: 2236219.0/29

All: 124.502+/-0.015 χ^2/NDF: 4884179.9/60

- sign 124.072+/-0.022 χ^2/NDF: 2647216.3/30

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1049.725+/-71.516 χ^2/NDF:920.5/13

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

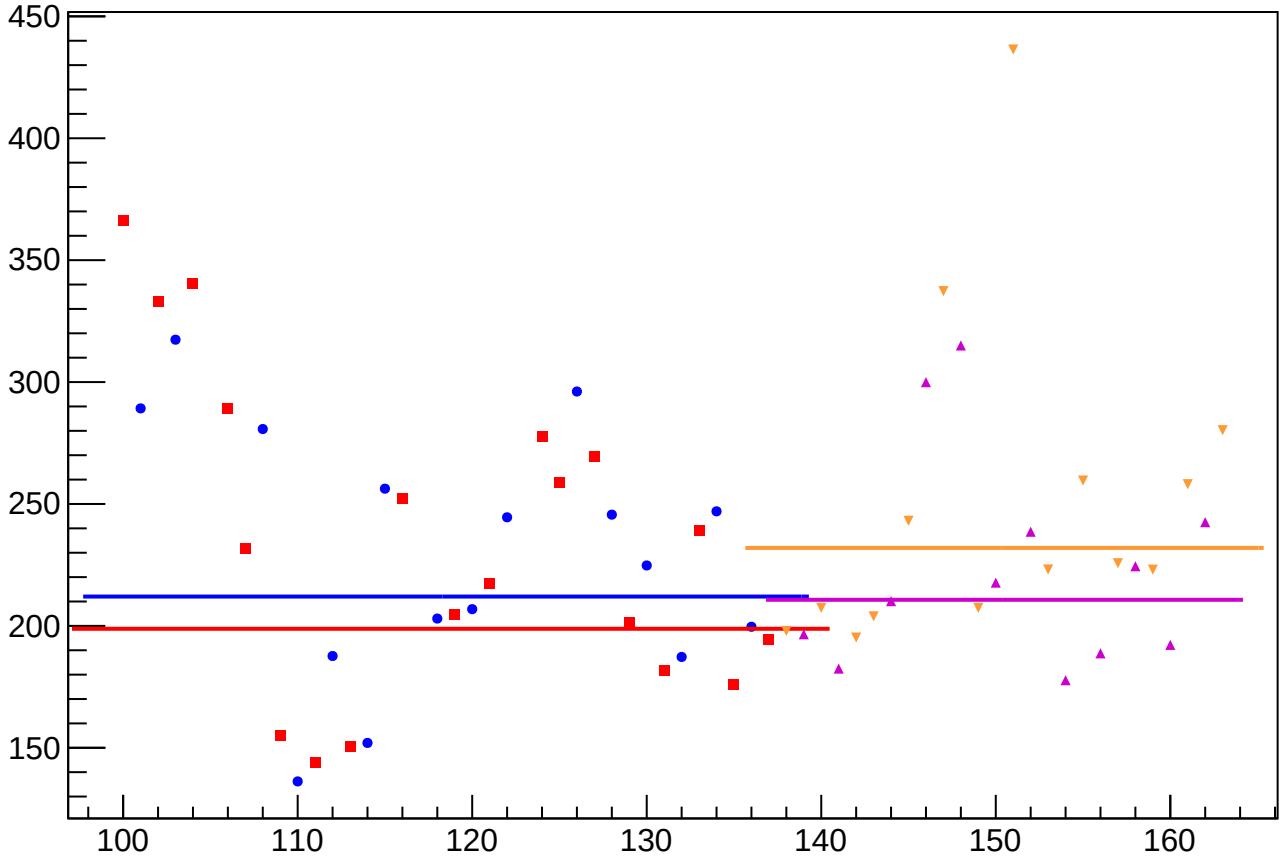
Left In: -407.404+/-67.779 χ^2/NDF:727.1/11

+ sign 444.792+/-53.936 χ^2/NDF: 1448.3/29

All: 341.995+/-36.947 χ^2/NDF: 2843.9/60

- sign 251.109+/-50.715 χ^2/NDF: 1388.7/30

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 231.985+/-0.051 χ^2/NDF:759247.0/13

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

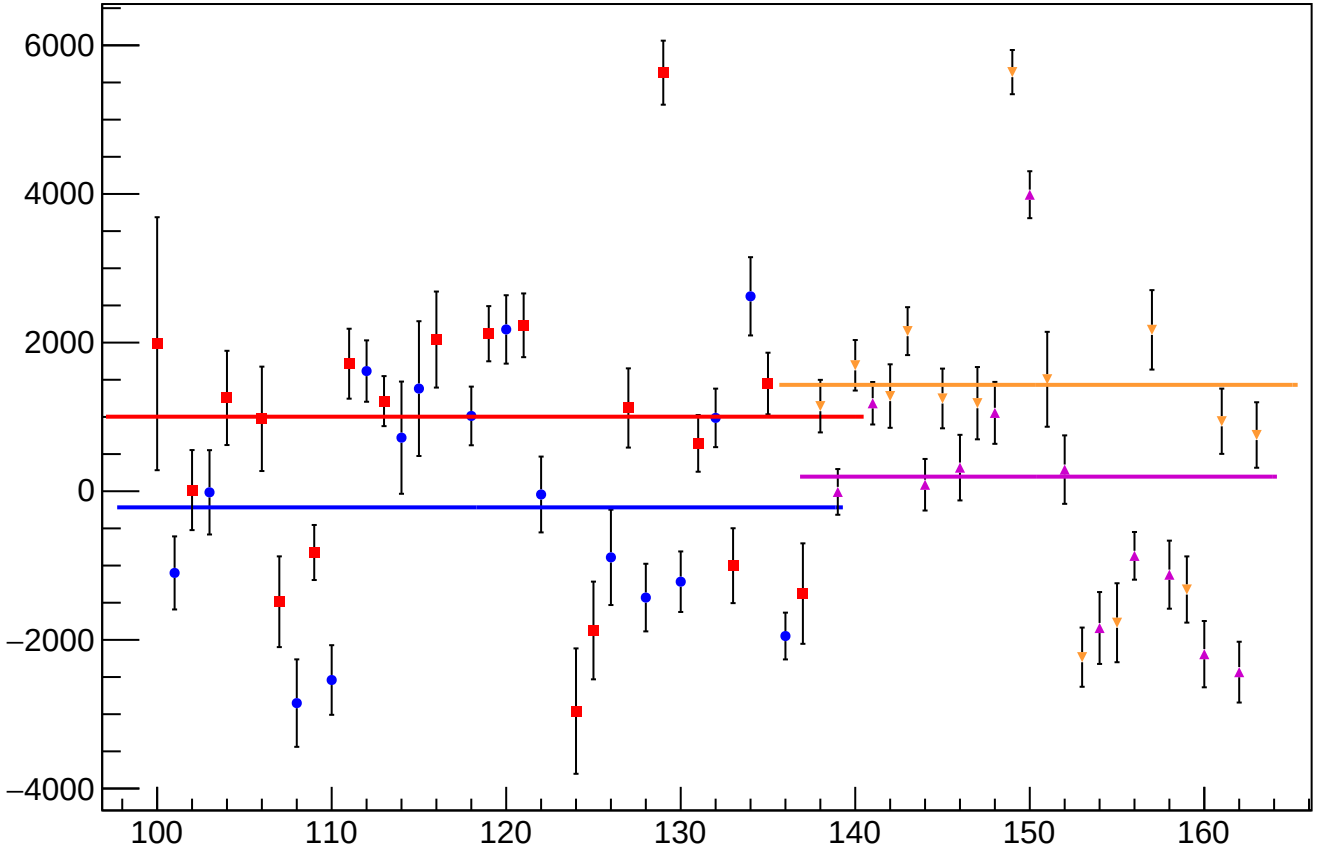
Left In: 210.701+/-0.048 χ^2/NDF:537169.0/11

+ sign 223.379+/-0.038 χ^2/NDF: 1516770.0/29

All: 213.872+/-0.026 χ^2/NDF: 3173036.7/60

- sign 205.467+/-0.036 χ^2/NDF: 1539193.2/30

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1431.396+/-108.680 χ^2/NDF:371.8/13

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

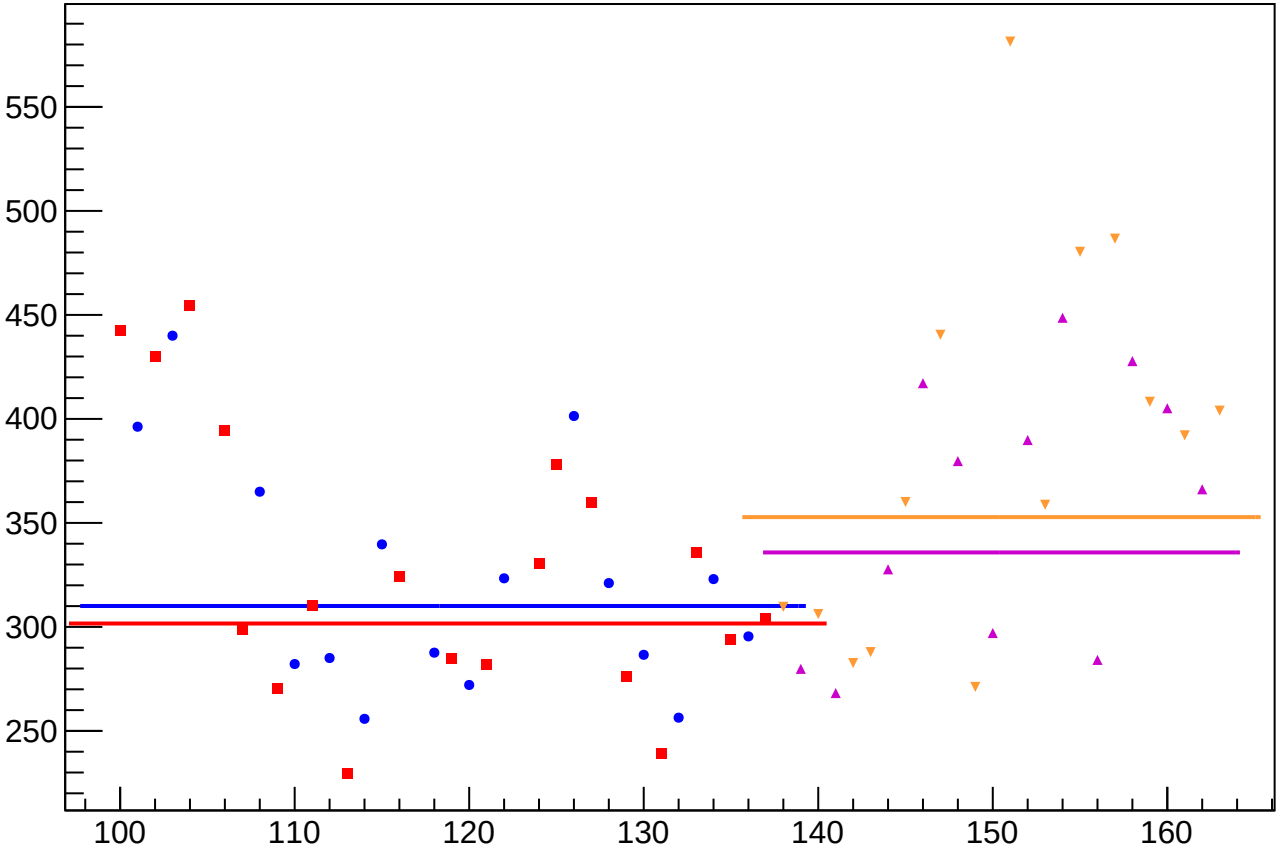
Left In: 196.316+/-107.509 χ^2/NDF:268.2/11

+ sign 674.101+/-79.905 χ^2/NDF: 669.7/29

All: 625.467+/-55.788 χ^2/NDF: 1219.7/60

- sign 579.212+/-77.925 χ^2/NDF: 549.3/30

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 352.788+/-0.077 χ^2/NDF:990310.3/13

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

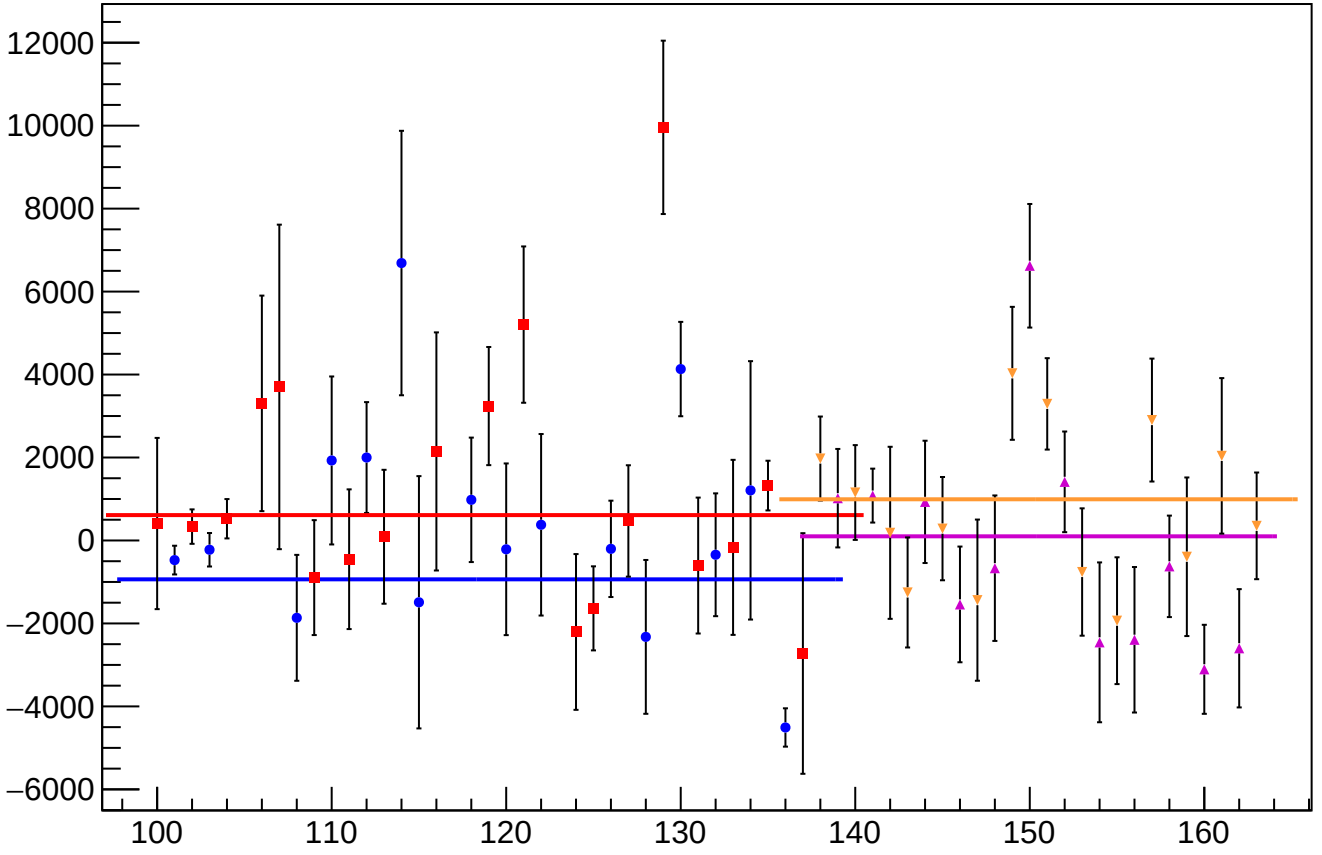
Left In: 335.804+/-0.076 χ^2/NDF:627824.5/11

+ sign 333.158+/-0.057 χ^2/NDF: 1455607.6/29

All: 326.203+/-0.039 χ^2/NDF: 2728763.1/60

- sign 319.587+/-0.055 χ^2/NDF: 1243586.8/30

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 992.846+/-374.313 χ^2/NDF:21.5/13

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

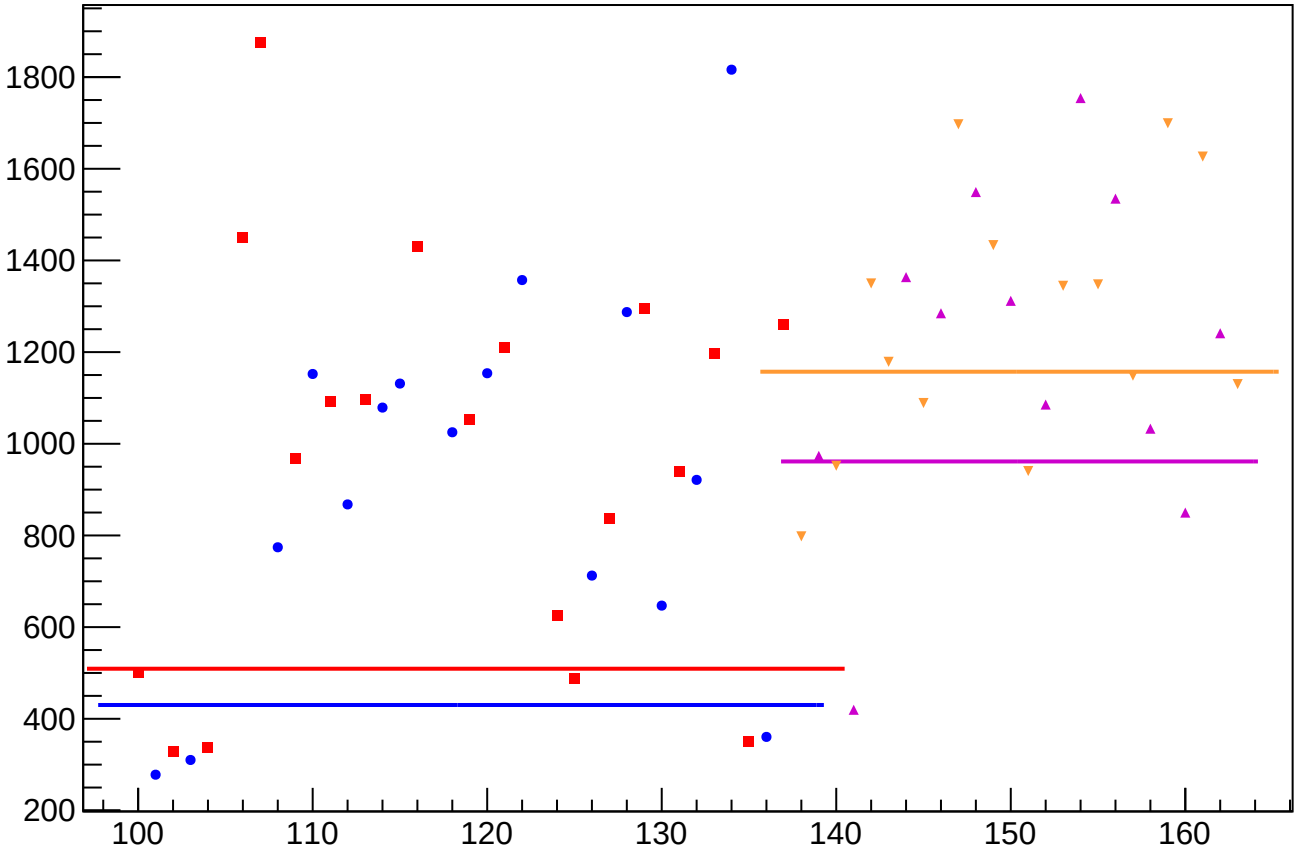
Left In: 100.075+/-350.730 χ^2/NDF:41.8/11

+ sign -492.624+/-179.610 χ^2/NDF: 143.2/29

All: -55.699+/-131.847 χ^2/NDF: 243.4/60

- sign 454.885+/-194.160 χ^2/NDF: 87.4/30

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1157.252+/-0.265 χ^2/NDF:979366.5/13

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

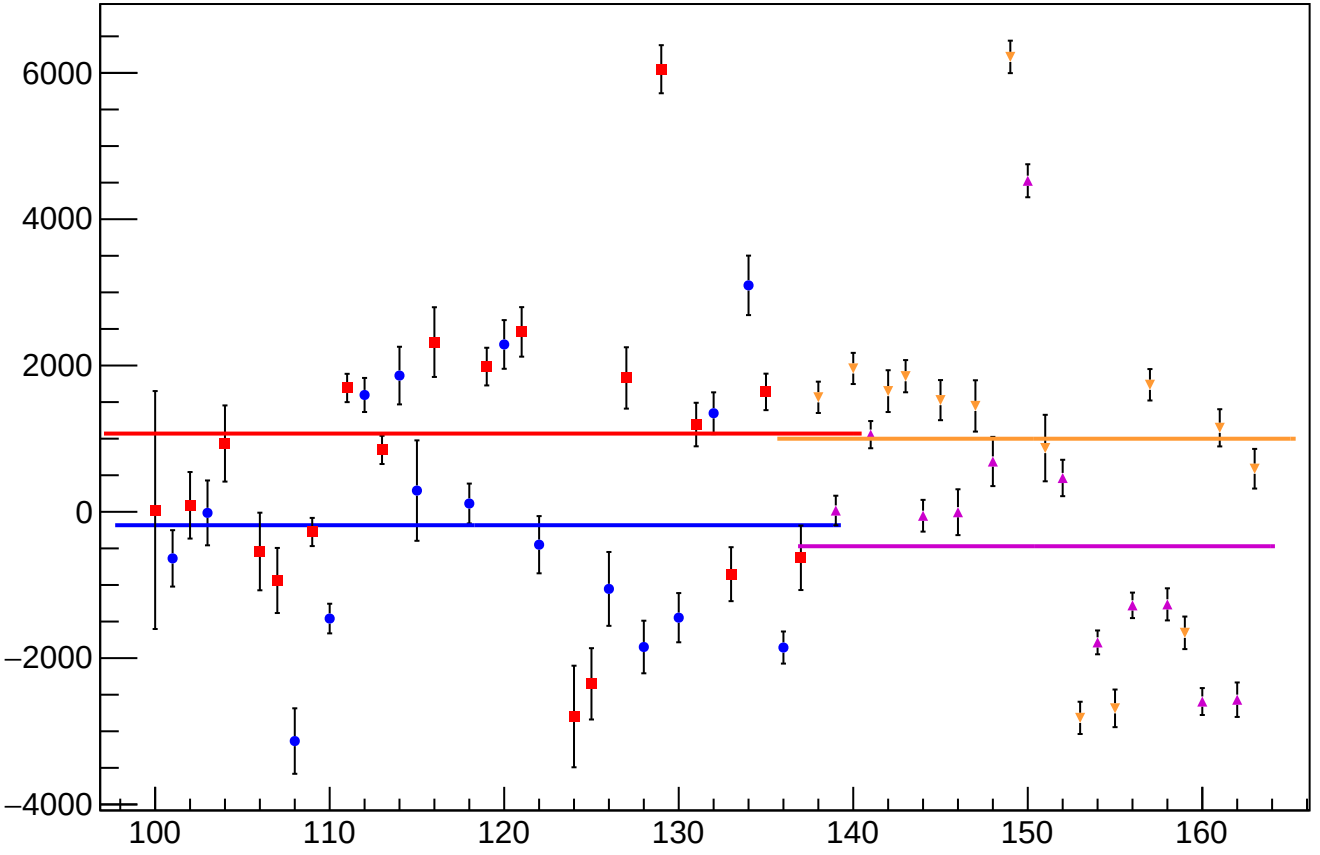
Left In: 961.435+/-0.248 χ^2/NDF:2660042.7/11

+ sign 597.531+/-0.127 χ^2/NDF: 10310898.5/29

All: 620.720+/-0.093 χ^2/NDF: 19022428.6/60

- sign 647.817+/-0.137 χ^2/NDF: 8639237.4/30

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 999.329+/-65.949 χ^2/NDF:1267.6/13

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

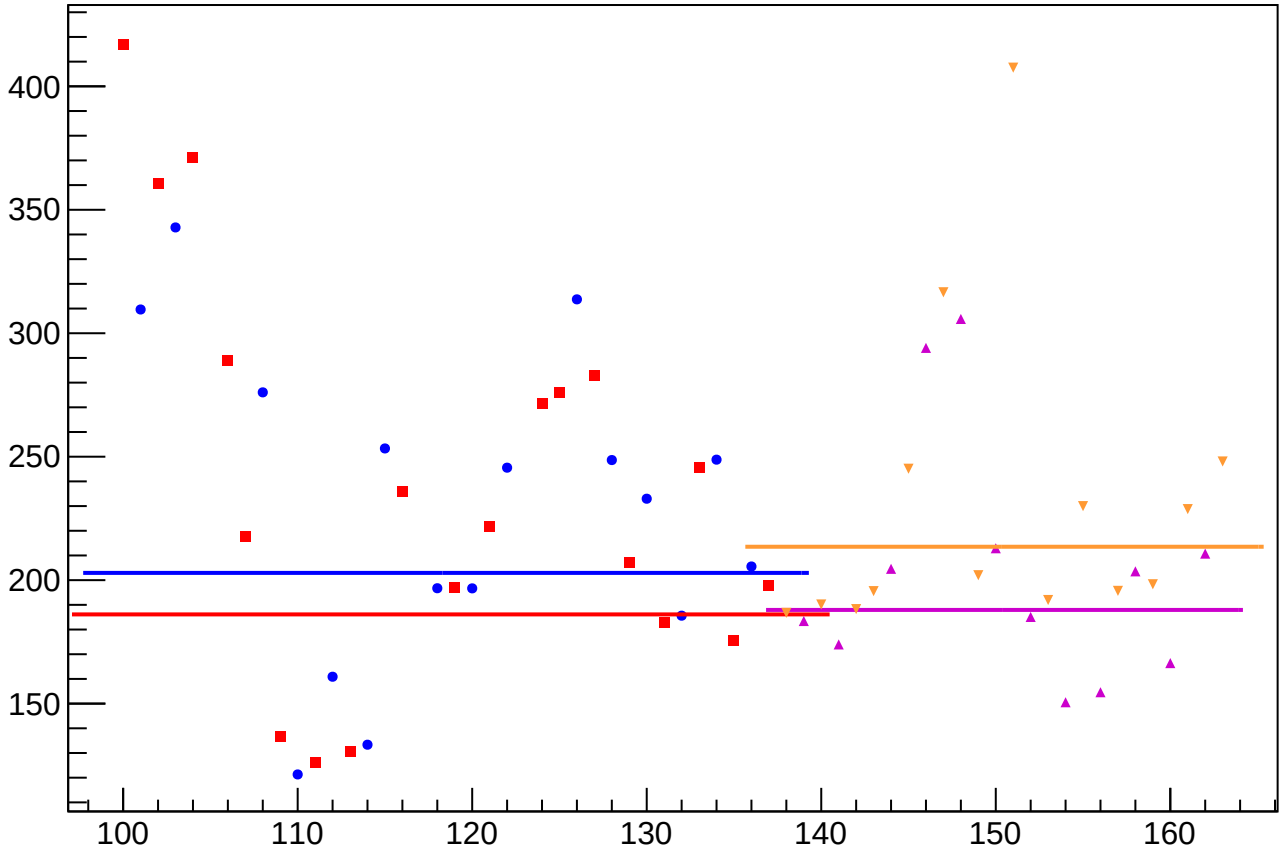
Left In: -470.404+/-61.049 χ^2/NDF:907.4/11

+ sign 519.960+/-50.852 χ^2/NDF: 1815.6/29

All: 326.773+/-34.455 χ^2/NDF: 3503.6/60

- sign 162.818+/-46.847 χ^2/NDF: 1661.3/30

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.533+/-0.047 χ^2/NDF:743602.0/13

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

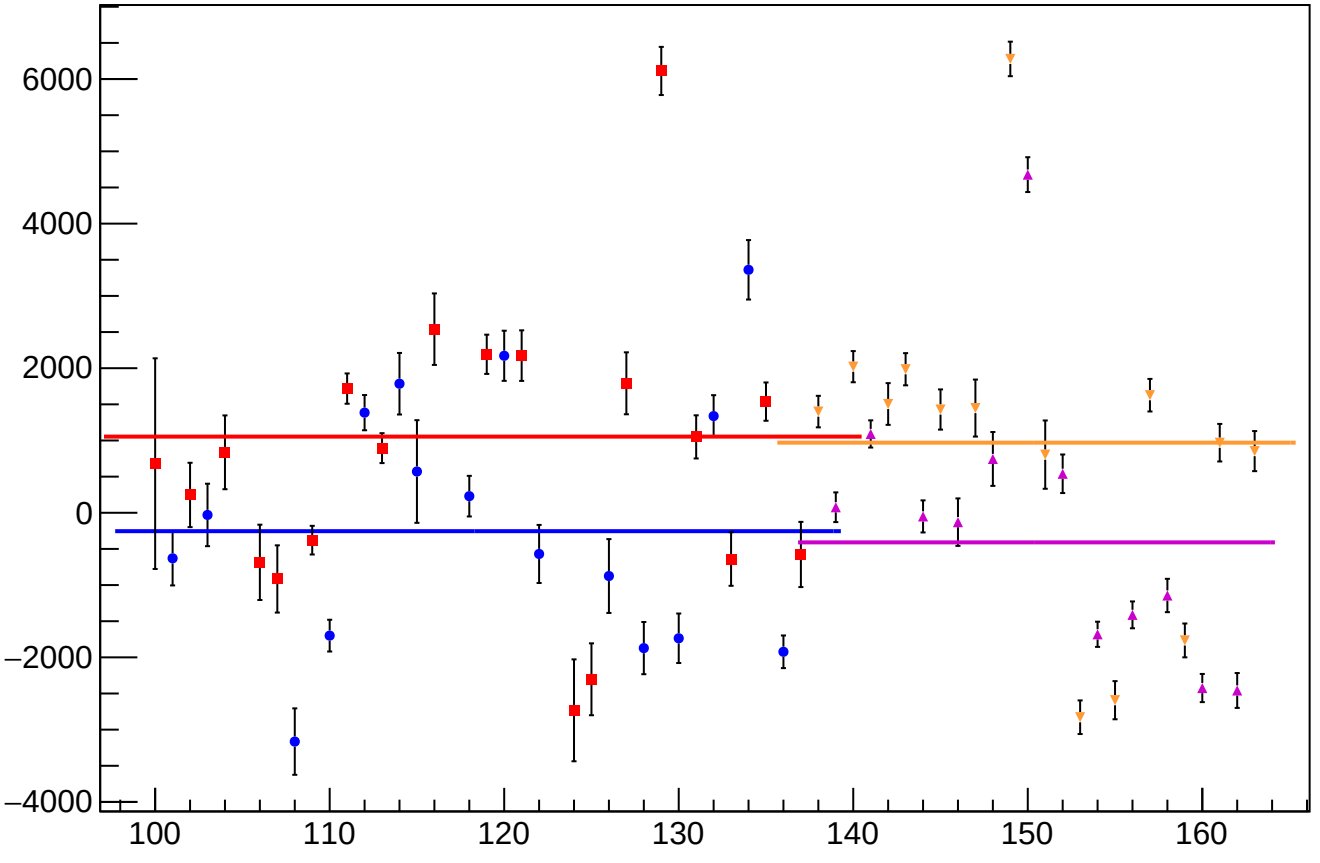
Left In: 187.942+/-0.043 χ^2/NDF:758433.6/11

+ sign 209.239+/-0.036 χ^2/NDF: 1836376.5/29

All: 197.316+/-0.024 χ^2/NDF: 4280458.7/60

- sign 187.197+/-0.033 χ^2/NDF: 2240823.6/30

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 969.959+/-68.244 χ^2/NDF:1144.6/13

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

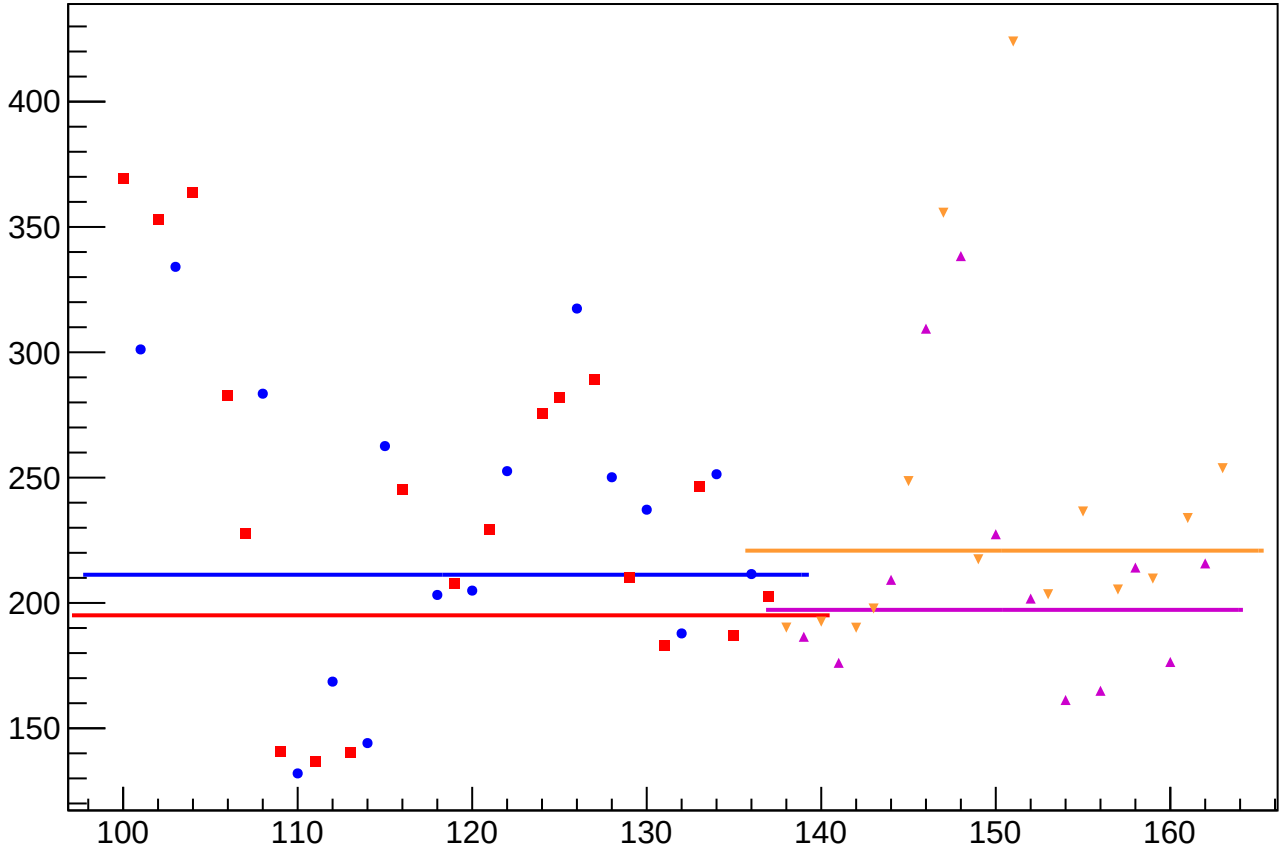
Left In: -409.443+/-63.990 χ^2/NDF:812.2/11

+ sign 472.435+/-52.582 χ^2/NDF: 1684.6/29

All: 325.291+/-35.825 χ^2/NDF: 3206.1/60

- sign 197.818+/-48.942 χ^2/NDF: 1506.8/30

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.868+/-0.048 χ^2/NDF:807667.1/13

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

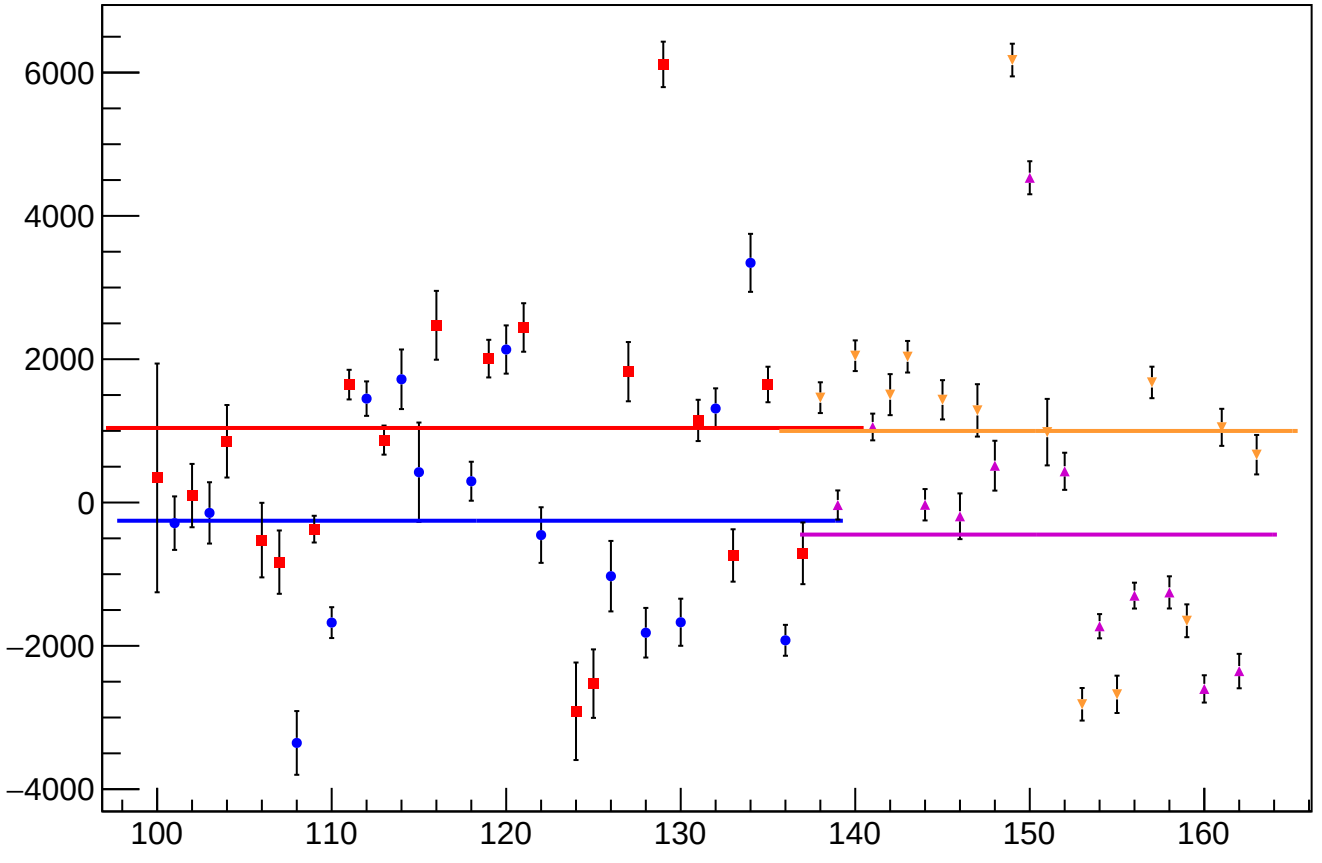
Left In: 197.245+/-0.045 χ^2/NDF:779524.4/11

+ sign 216.961+/-0.037 χ^2/NDF: 1708160.4/29

All: 205.911+/-0.025 χ^2/NDF: 3938367.9/60

- sign 196.339+/-0.035 χ^2/NDF: 2065371.3/30

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 998.812+/-66.976 χ^2/NDF:1198.1/13

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

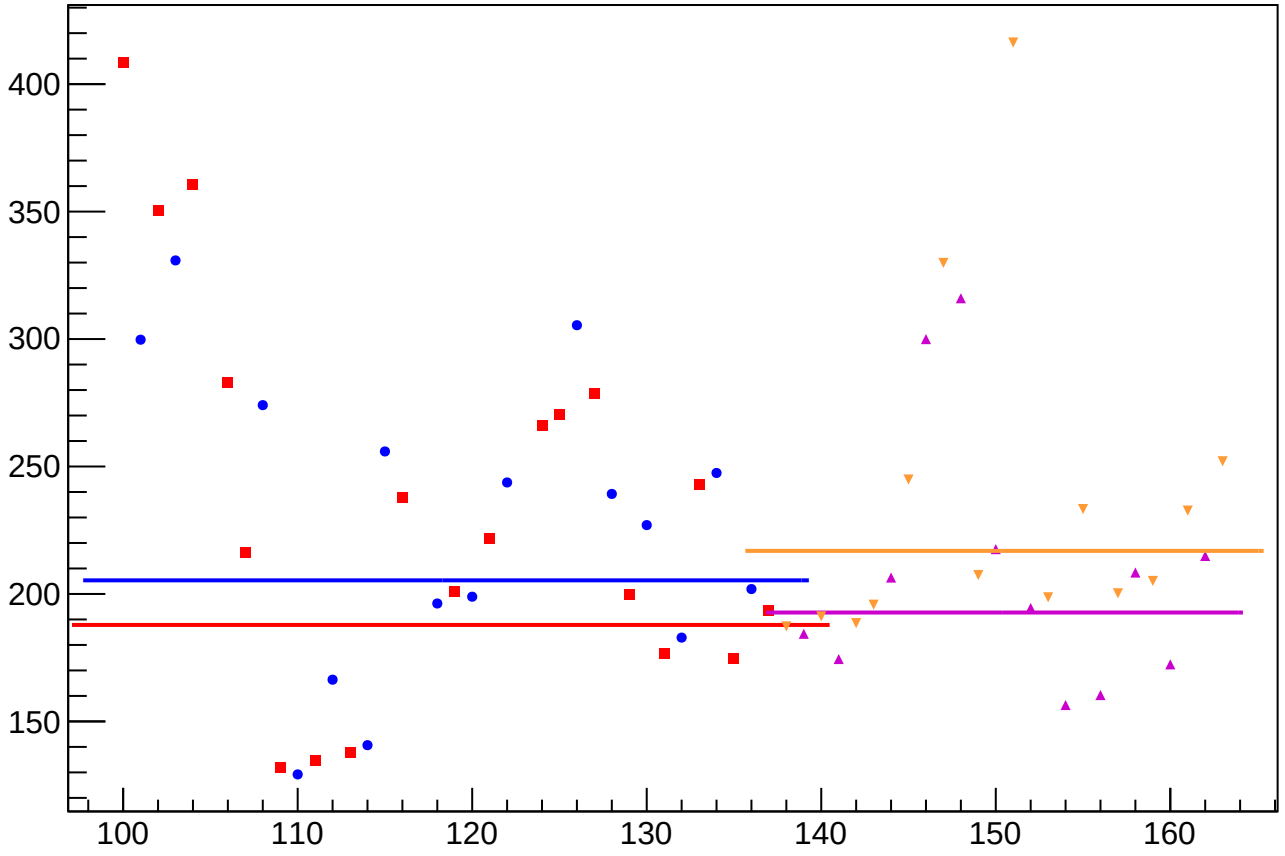
Left In: -447.310+/-62.507 χ^2/NDF:841.8/11

+ sign 484.221+/-51.413 χ^2/NDF: 1773.9/29

All: 319.489+/-34.920 χ^2/NDF: 3406.4/60

- sign 178.412+/-47.579 χ^2/NDF: 1613.5/30

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.898+/-0.047 χ^2/NDF:767023.4/13

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

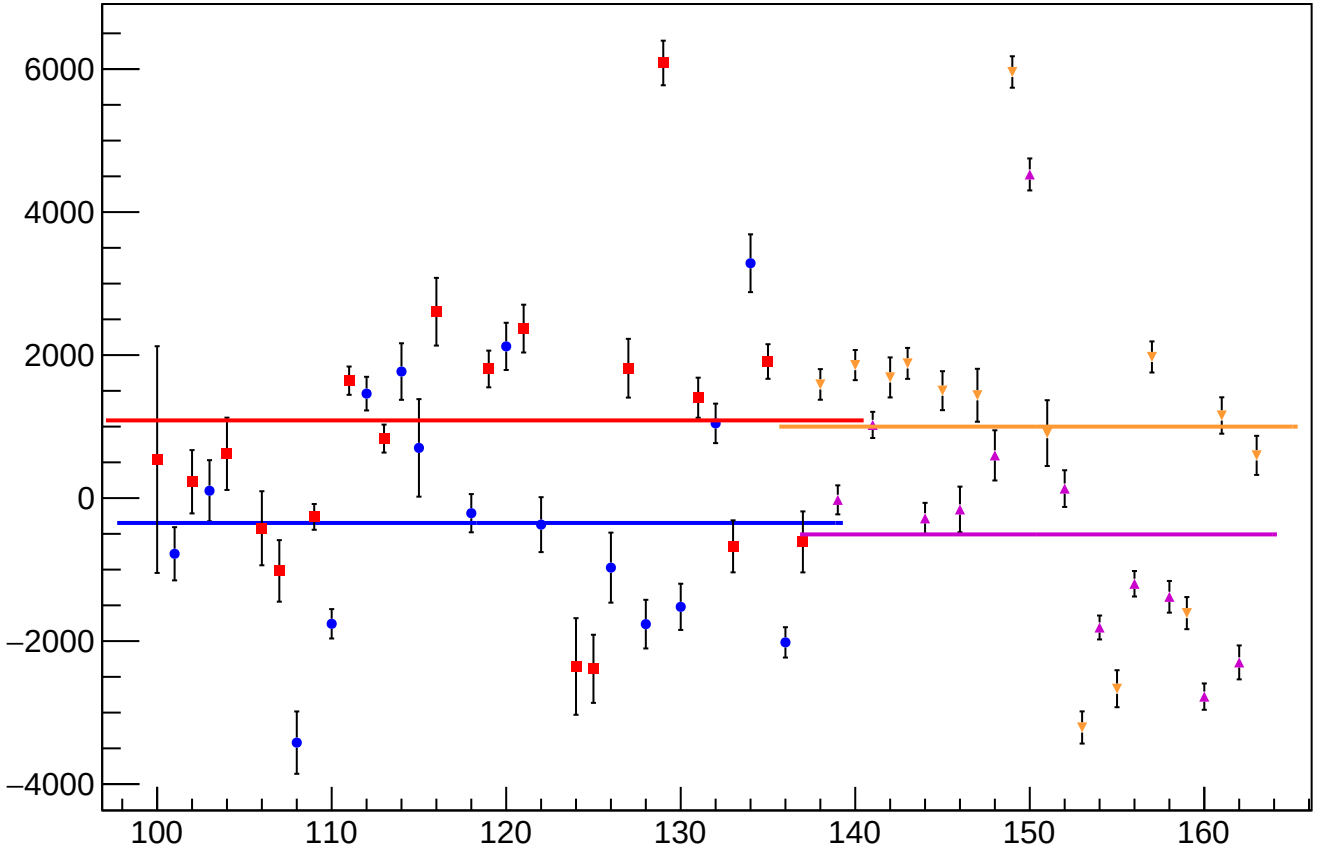
Left In: 192.720+/-0.044 χ^2/NDF:736795.5/11

+ sign 212.151+/-0.036 χ^2/NDF: 1668878.8/29

All: 200.580+/-0.025 χ^2/NDF: 3935888.4/60

- sign 190.671+/-0.034 χ^2/NDF: 2078954.4/30

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 999.569+/-66.074 χ^2/NDF:1268.3/13

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

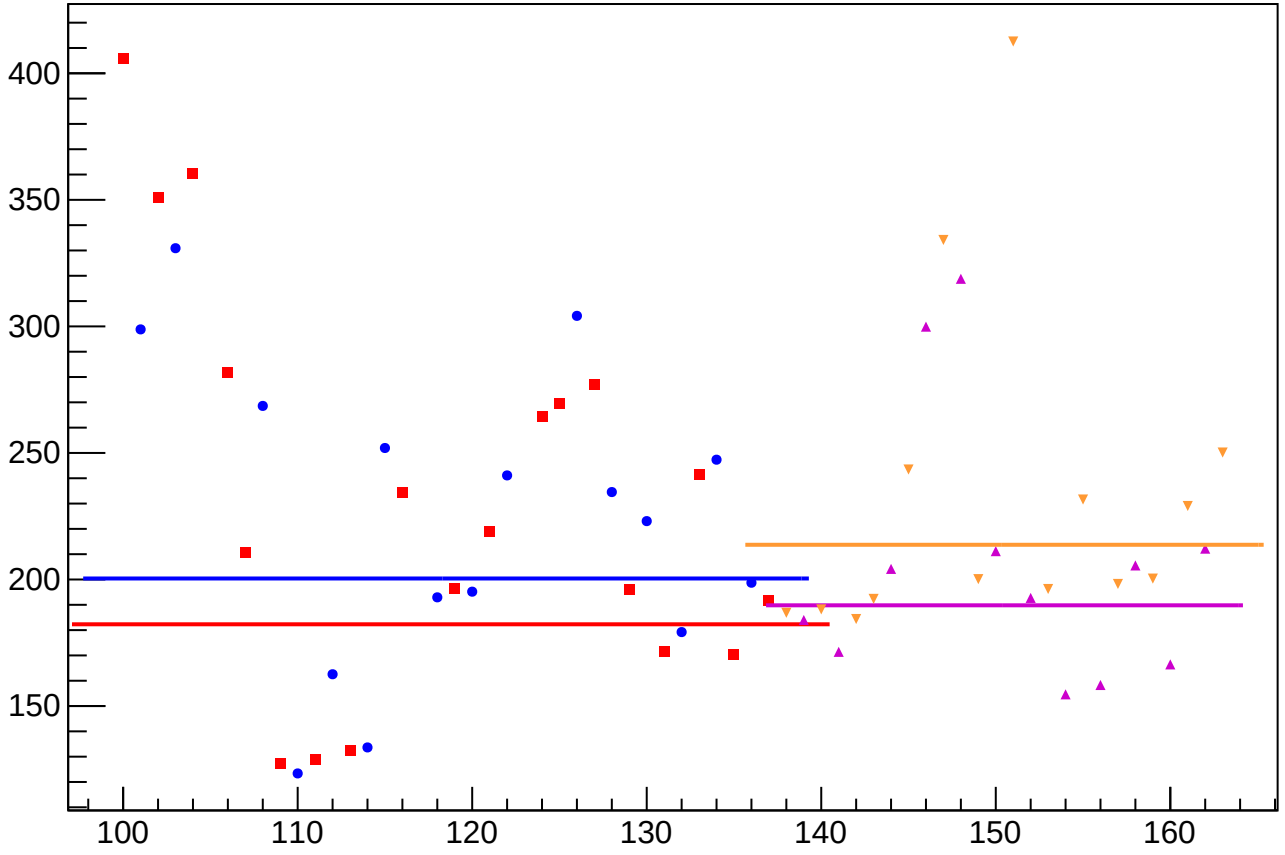
Left In: -507.824+/-61.623 χ^2/NDF:899.9/11

+ sign 441.454+/-50.569 χ^2/NDF: 1886.3/29

All: 295.637+/-34.304 χ^2/NDF: 3614.0/60

- sign 171.333+/-46.690 χ^2/NDF: 1712.2/30

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.718+/-0.047 χ^2/NDF:800331.8/13

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

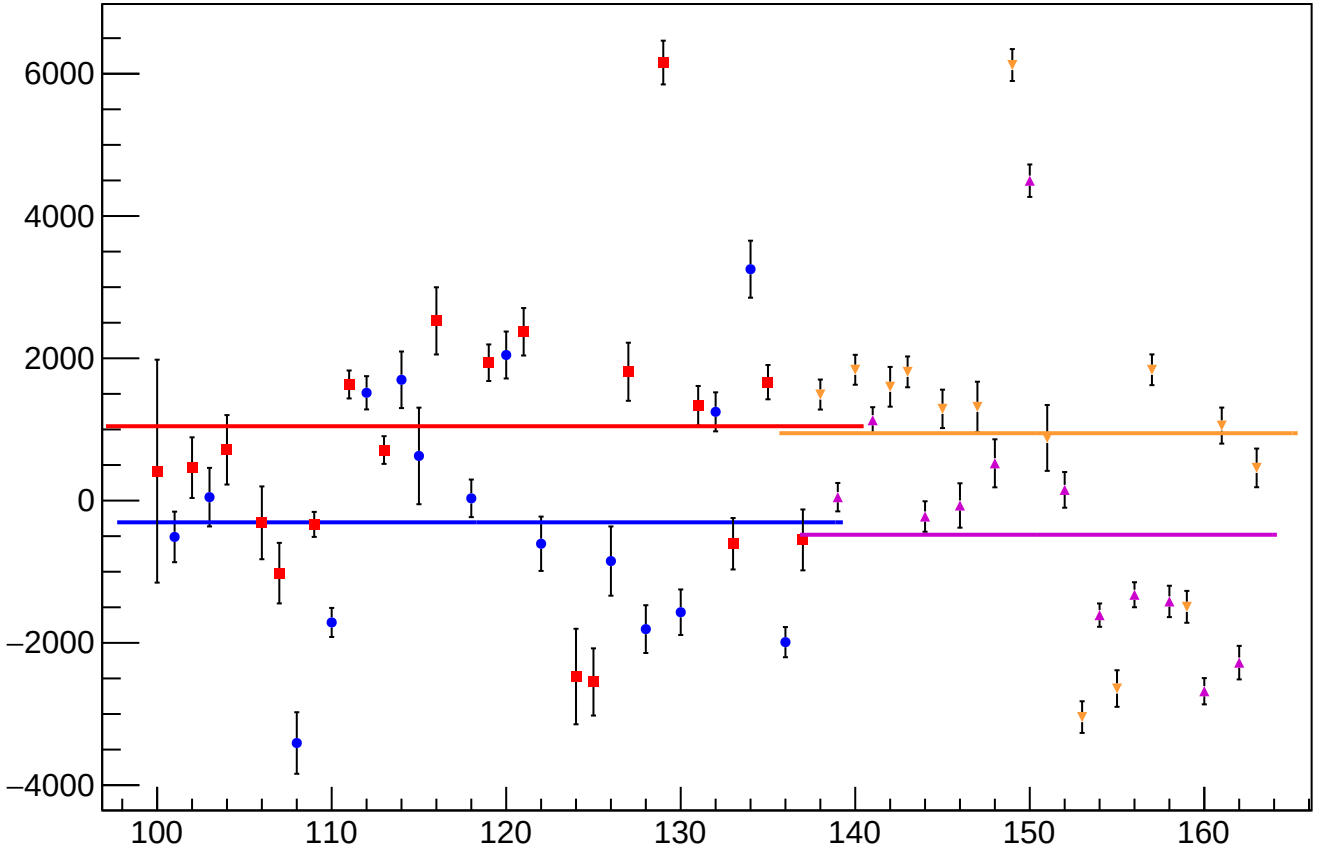
Left In: 189.803+/-0.044 χ^2/NDF:768512.5/11

+ sign 208.200+/-0.036 χ^2/NDF: 1792999.0/29

All: 196.544+/-0.024 χ^2/NDF: 4218177.0/60

- sign 186.608+/-0.033 χ^2/NDF: 2228332.1/30

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 947.246+/-65.766 χ^2/NDF:1236.3/13

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

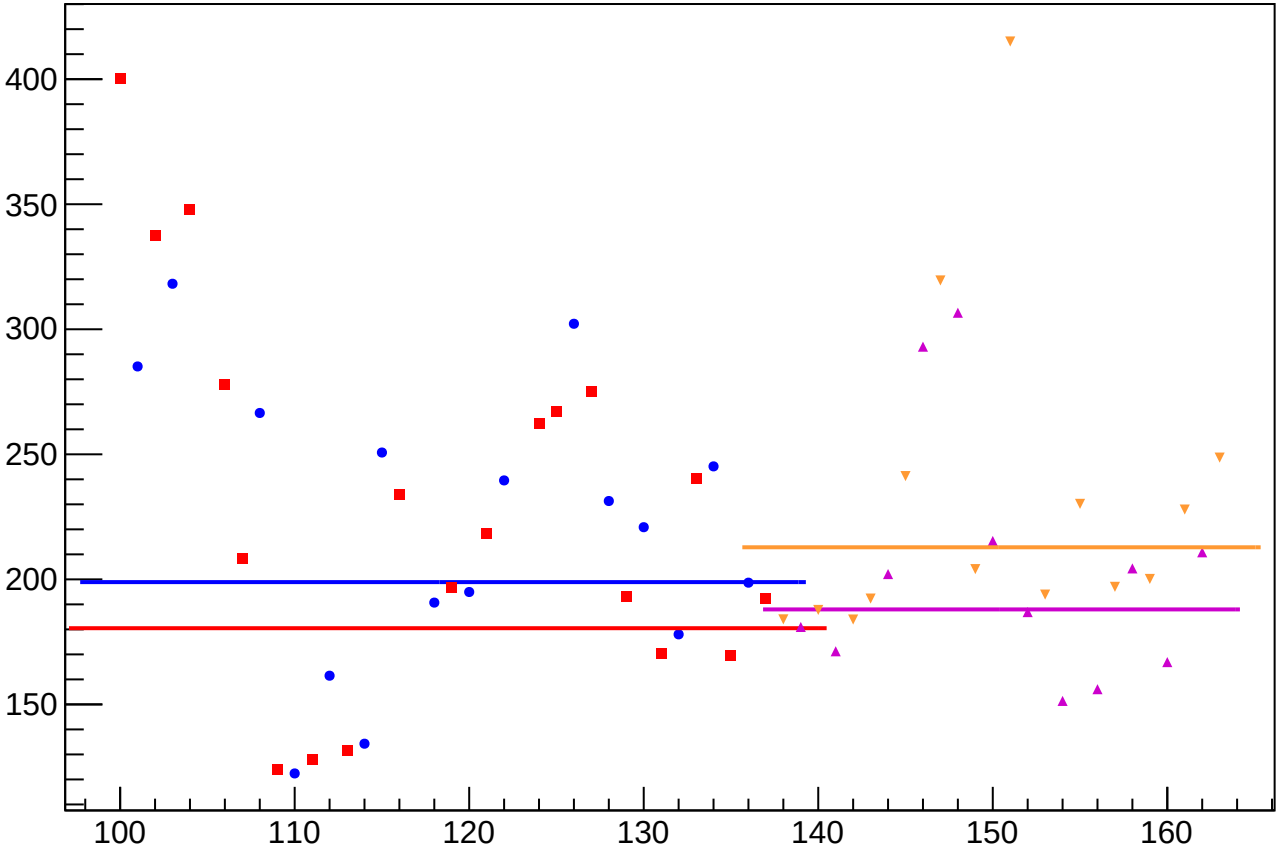
Left In: -480.239+/-61.054 χ^2/NDF:867.1/11

+ sign 425.624+/-50.244 χ^2/NDF: 1839.3/29

All: 287.269+/-34.025 χ^2/NDF: 3538.6/60

- sign 170.069+/-46.243 χ^2/NDF: 1685.4/30

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.827+/-0.047 χ^2/NDF:776136.1/13

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

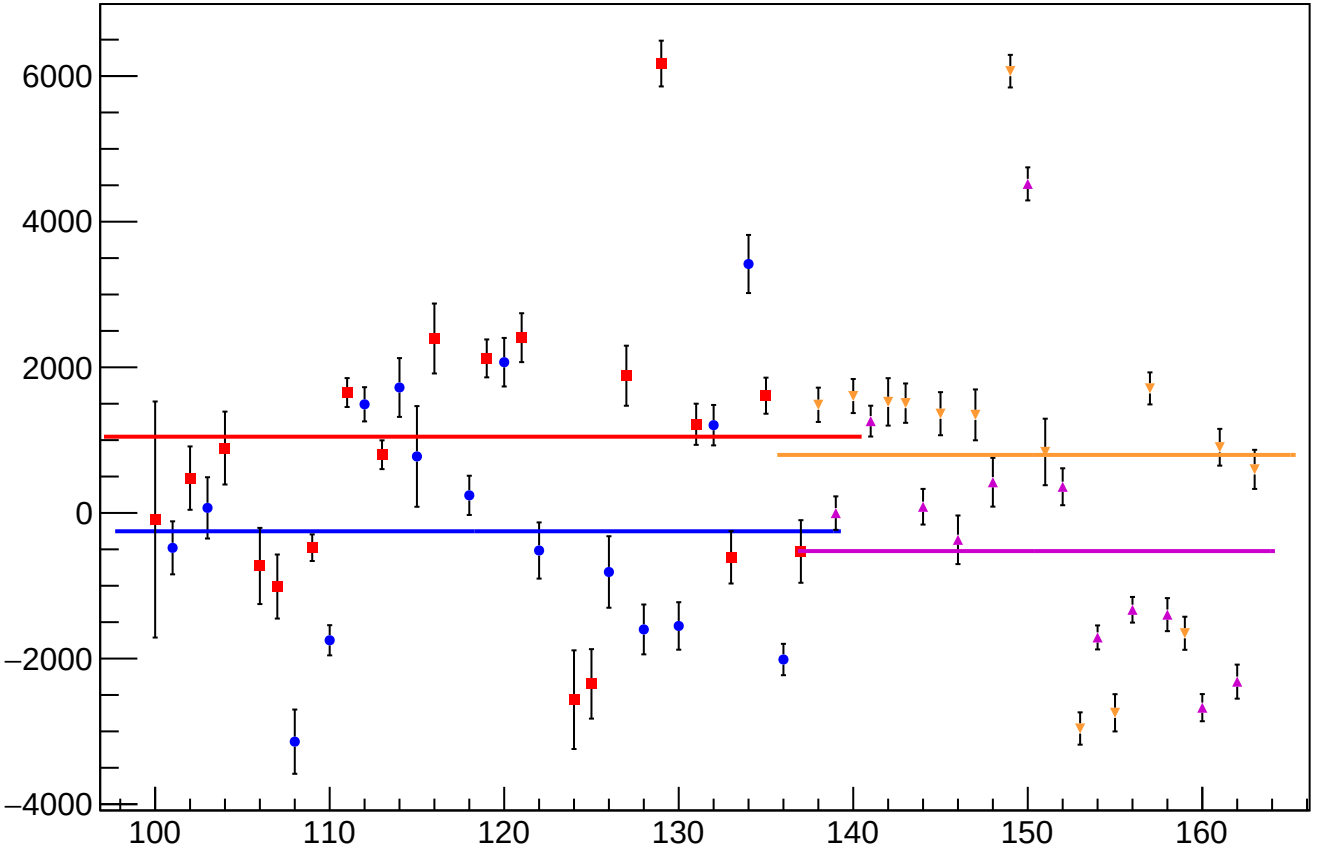
Left In: 187.984+/-0.043 χ^2/NDF:751657.7/11

+ sign 207.030+/-0.036 χ^2/NDF: 1726226.4/29

All: 194.985+/-0.024 χ^2/NDF: 4137524.5/60

- sign 184.782+/-0.033 χ^2/NDF: 2198999.9/30

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 796.896+/-69.179 χ^2/NDF:1205.1/13

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

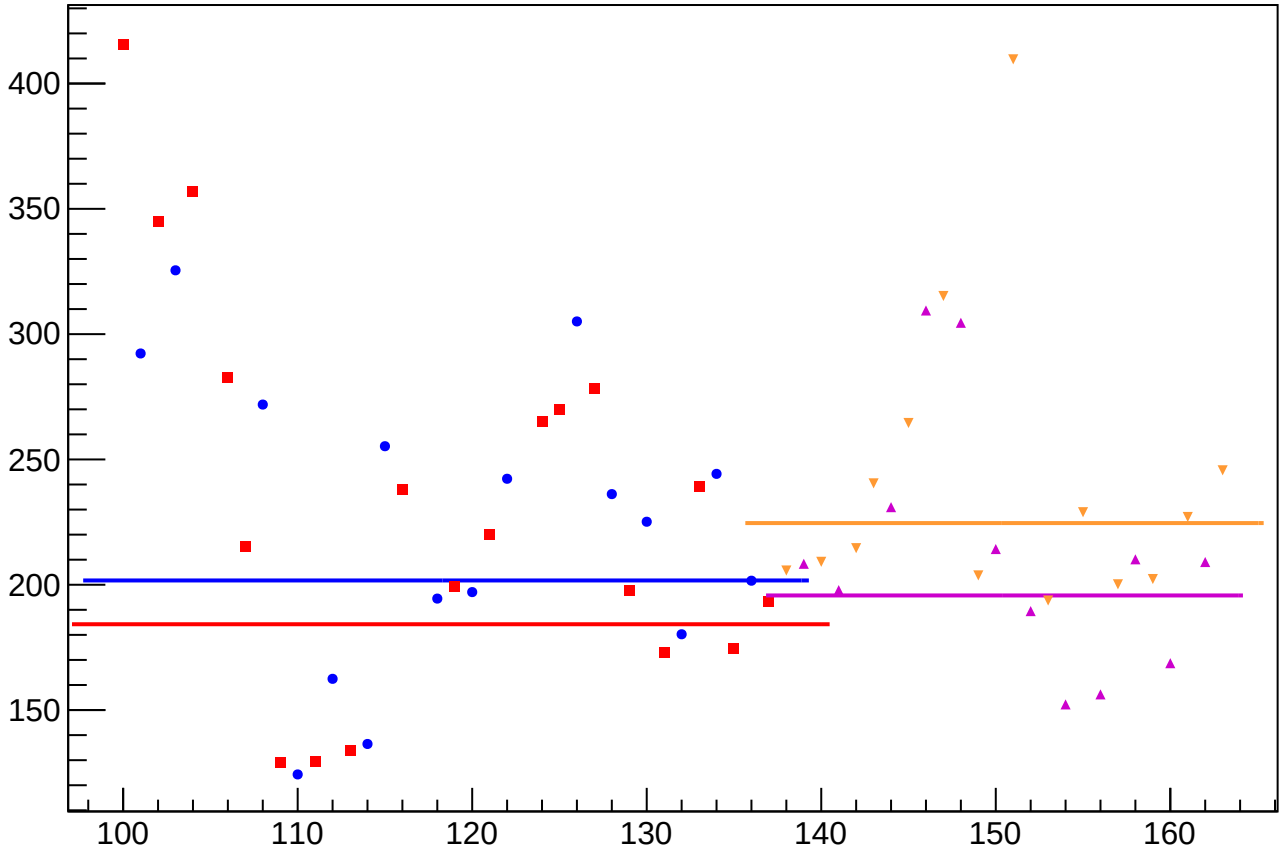
Left In: -523.778+/-63.724 χ^2/NDF:875.3/11

+ sign 341.582+/-52.037 χ^2/NDF: 1746.1/29

All: 245.332+/-35.192 χ^2/NDF: 3440.7/60

- sign 164.208+/-47.774 χ^2/NDF: 1688.2/30

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.612+/-0.049 χ^2/NDF:642909.3/13

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

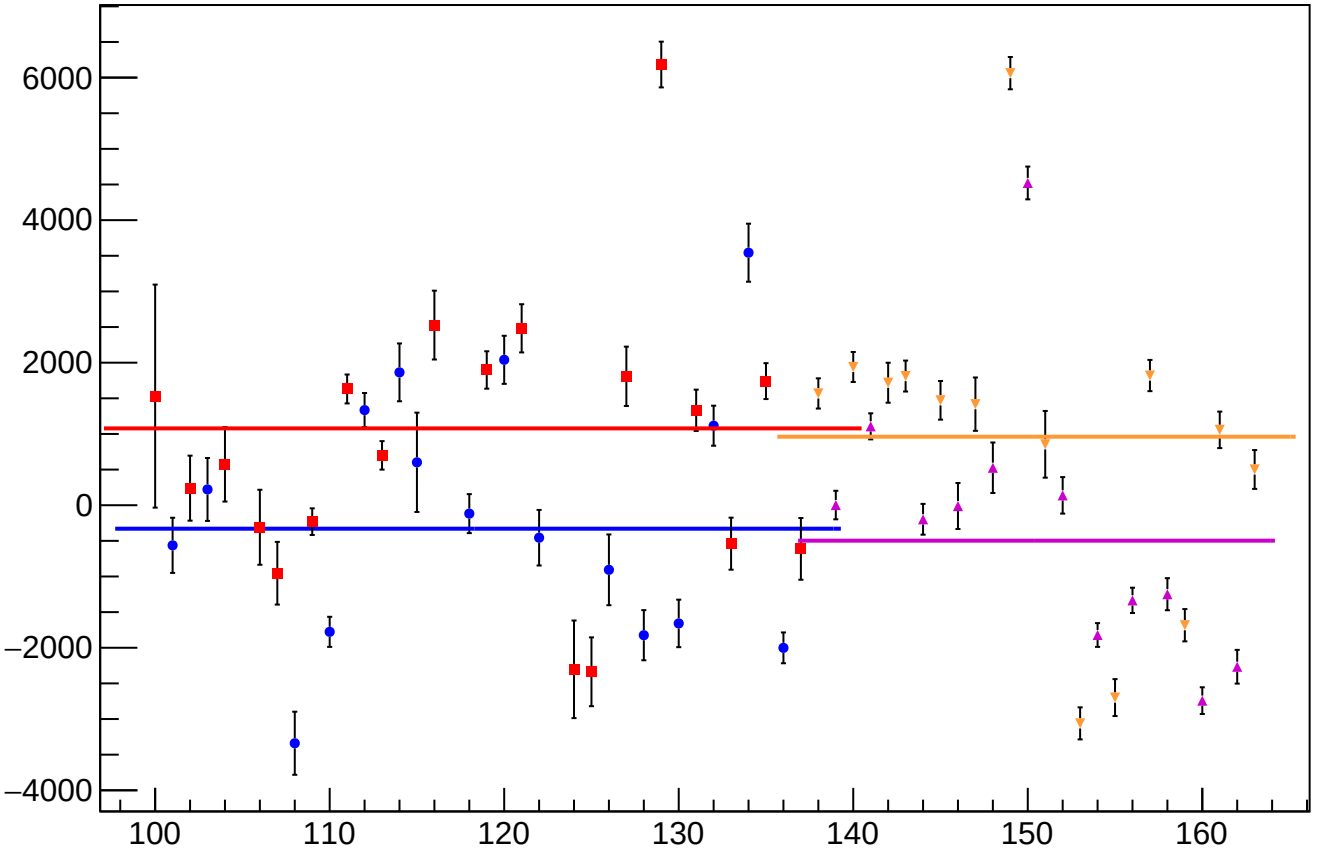
Left In: 195.732+/-0.045 χ^2/NDF:800977.0/11

+ sign 214.670+/-0.037 χ^2/NDF: 1662256.3/29

All: 201.663+/-0.025 χ^2/NDF: 4125723.2/60

- sign 190.701+/-0.034 χ^2/NDF: 2233205.1/30

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 961.316+/-66.329 χ^2/NDF:1238.2/13

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

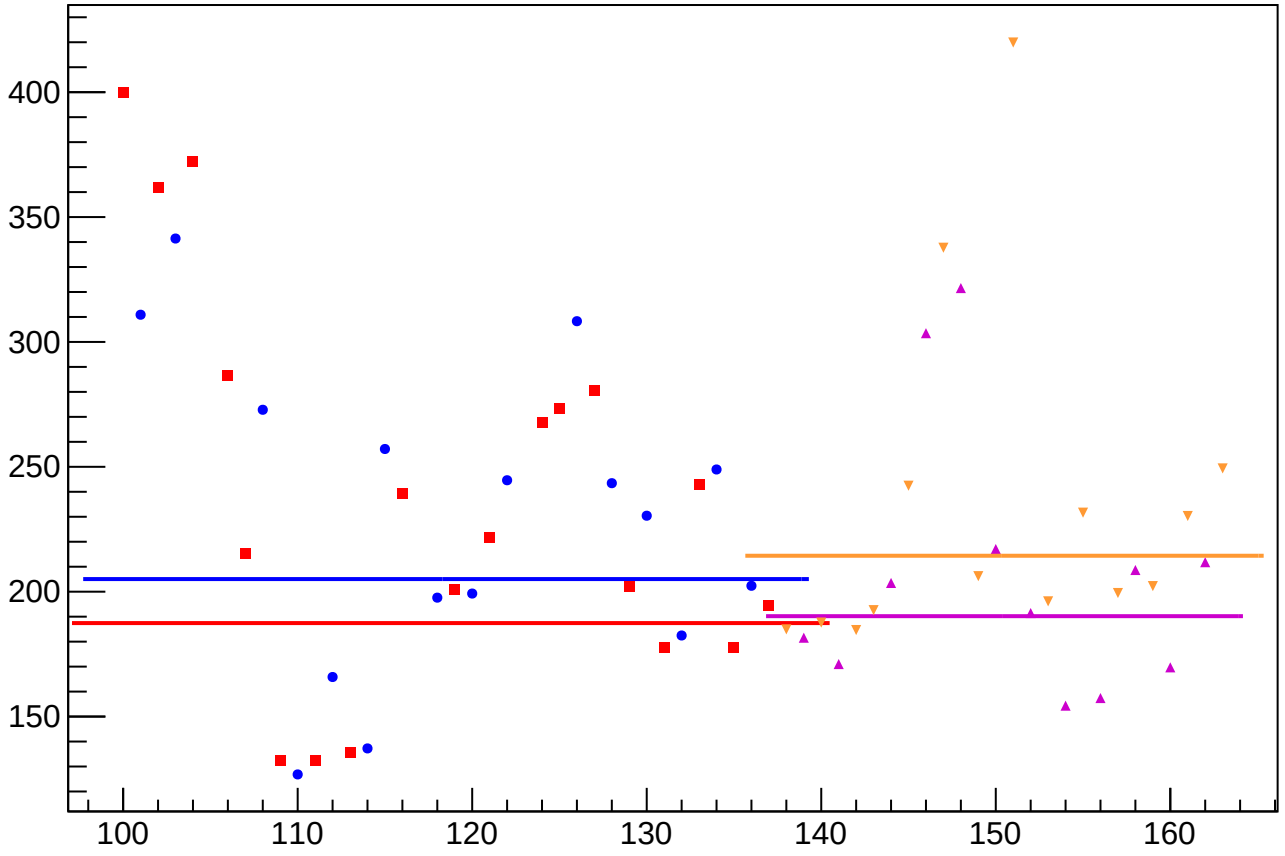
Left In: -497.338+/-61.823 χ^2/NDF:873.3/11

+ sign 438.360+/-51.156 χ^2/NDF: 1828.1/29

All: 286.282+/-34.724 χ^2/NDF: 3489.1/60

- sign 156.344+/-47.286 χ^2/NDF: 1644.6/30

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.392+/-0.047 χ^2/NDF:818088.4/13

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

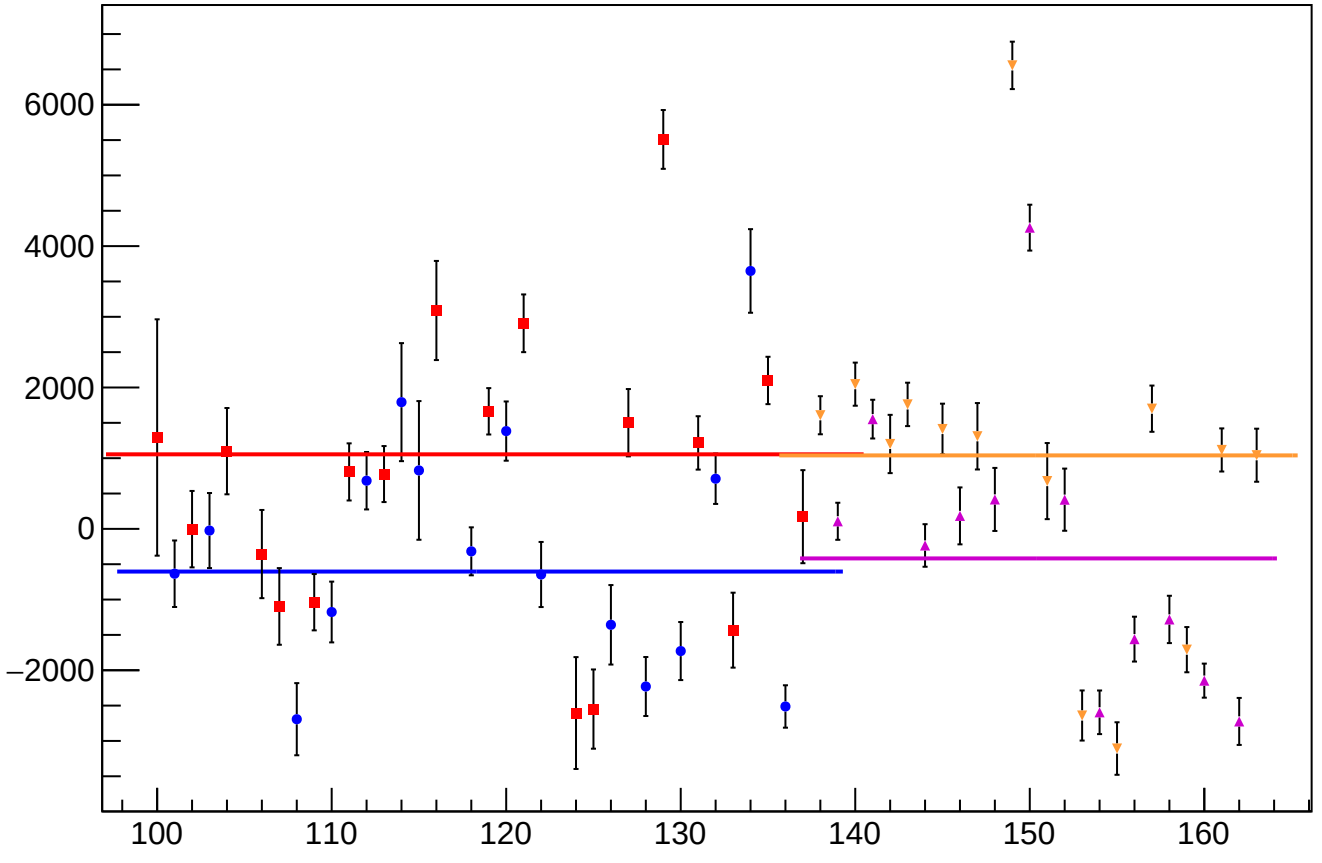
Left In: 190.197+/-0.044 χ^2/NDF:796418.0/11

+ sign 210.608+/-0.036 χ^2/NDF: 1797206.8/29

All: 198.983+/-0.025 χ^2/NDF: 4197634.4/60

- sign 189.049+/-0.033 χ^2/NDF: 2208881.7/30

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1039.461+/-92.108 χ^2/NDF:603.9/13

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

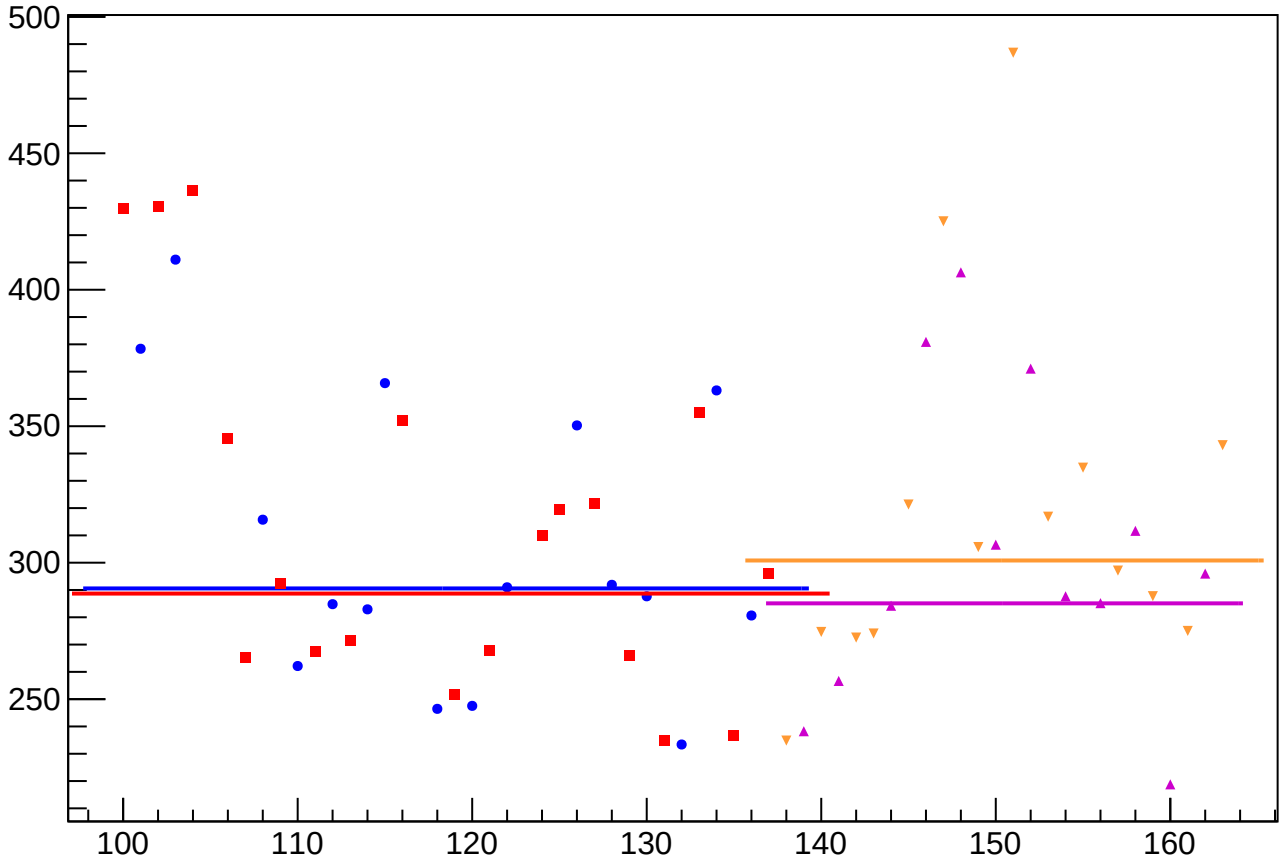
Left In: -418.061+/-91.132 χ^2/NDF:442.3/11

+ sign 367.142+/-70.802 χ^2/NDF: 927.7/29

All: 278.551+/-49.678 χ^2/NDF: 1779.0/60

- sign 192.649+/-69.720 χ^2/NDF: 848.3/30

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 300.809+/-0.065 χ^2/NDF:609153.1/13

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

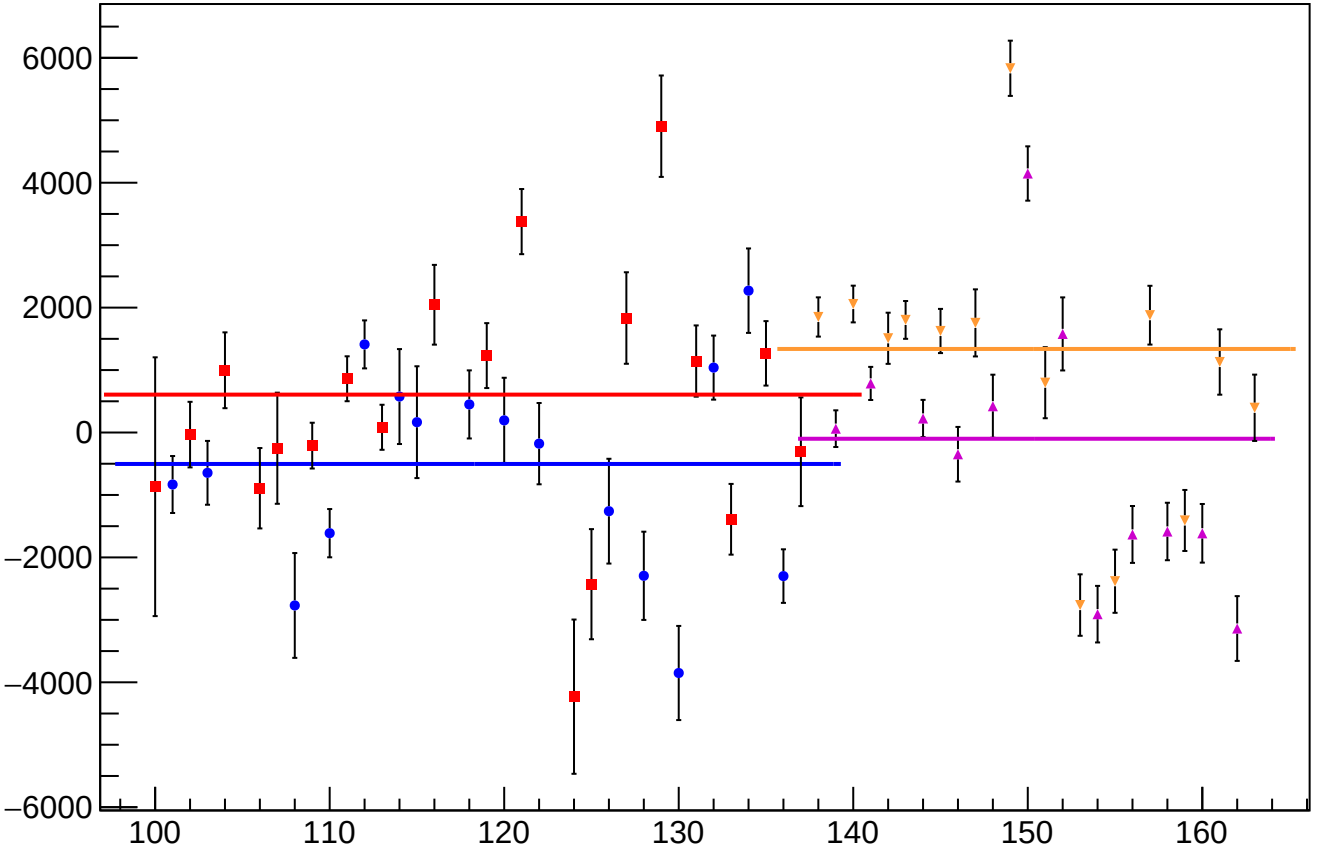
Left In: 285.103+/-0.064 χ^2/NDF:598192.7/11

+ sign 296.619+/-0.050 χ^2/NDF: 979079.3/29

All: 291.526+/-0.035 χ^2/NDF: 2088026.6/60

- sign 286.589+/-0.049 χ^2/NDF: 1088569.9/30

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1338.041+/-110.331 χ^2/NDF:276.4/13

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

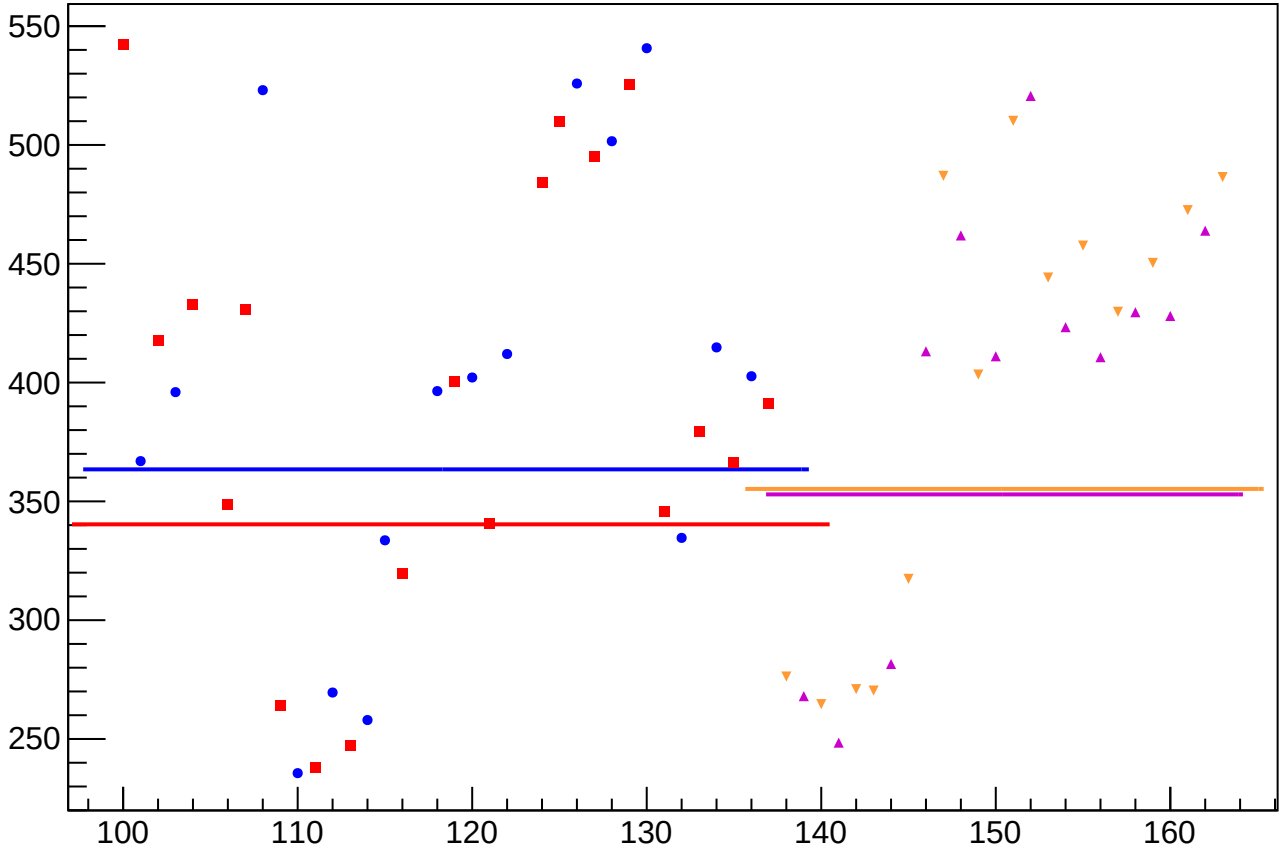
Left In: -100.003+/-113.874 χ^2/NDF:222.6/11

\+ sign 632.799+/-86.669 χ^2/NDF: 501.3/29

All: 417.603+/-60.884 χ^2/NDF: 878.0/60

\- sign 207.949+/-85.546 χ^2/NDF: 364.5/30

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 355.240+/-0.078 χ^2/NDF:1368929.6/13

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

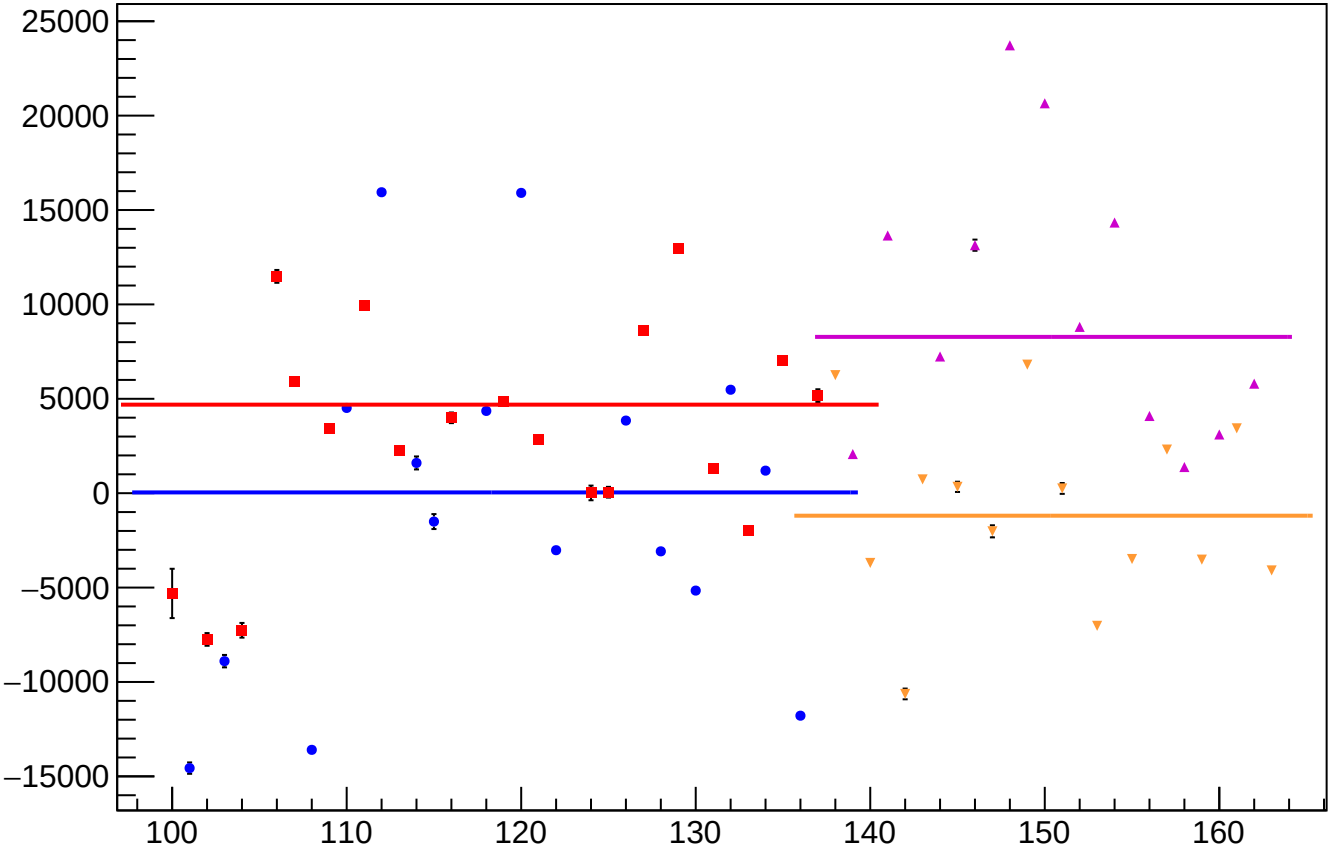
Left In: 352.932+/-0.081 χ^2/NDF:1202364.9/11

+ sign 358.392+/-0.061 χ^2/NDF: 2154084.8/29

All: 352.846+/-0.043 χ^2/NDF: 4239515.5/60

- sign 347.443+/-0.060 χ^2/NDF: 2069262.2/30

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

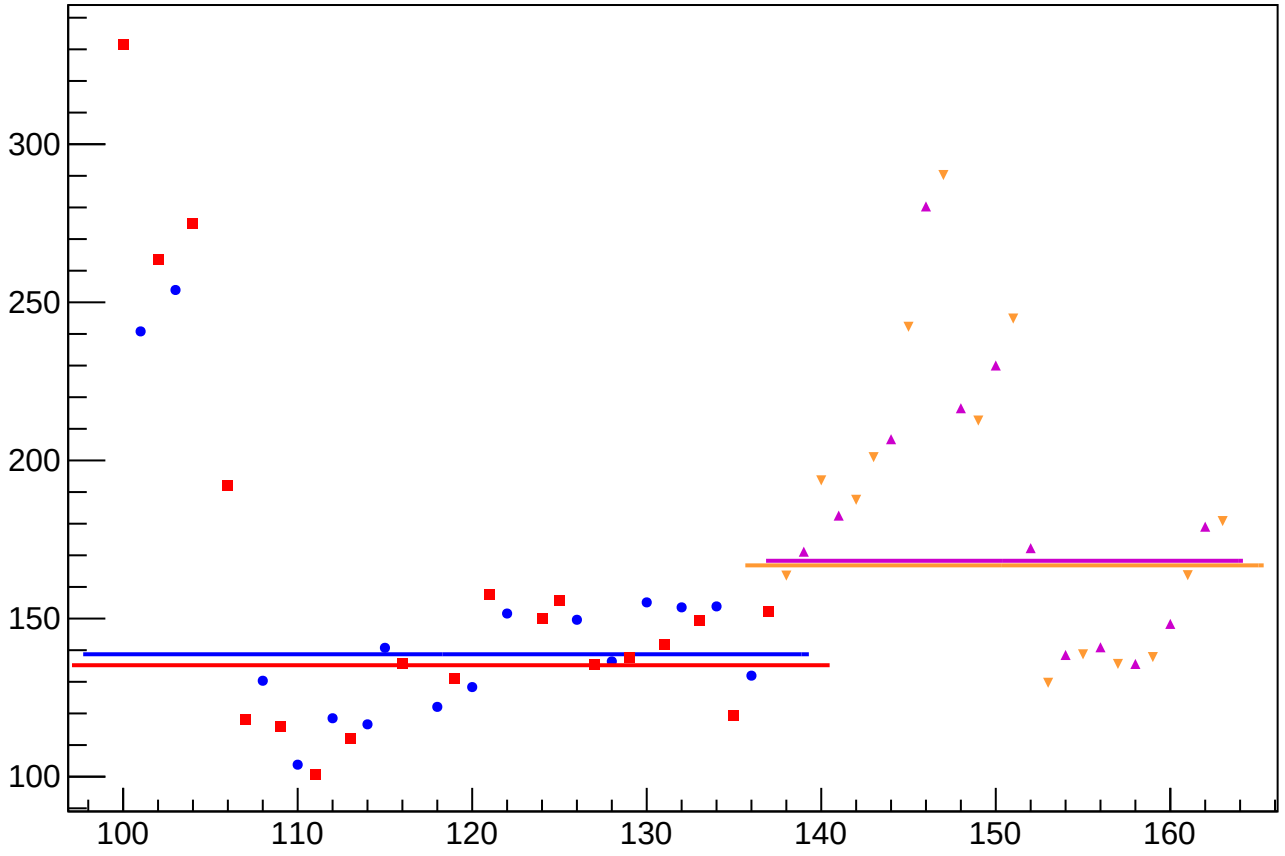
Left In: 8279.605+/-54.670 χ^2/NDF:14380.4/11

+ sign -603.235+/-37.462 χ^2/NDF: 38727.0/29

All: 2873.989+/-26.578 χ^2/NDF: 80510.2/60

- sign 6398.141+/-37.714 χ^2/NDF: 24436.0/30

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

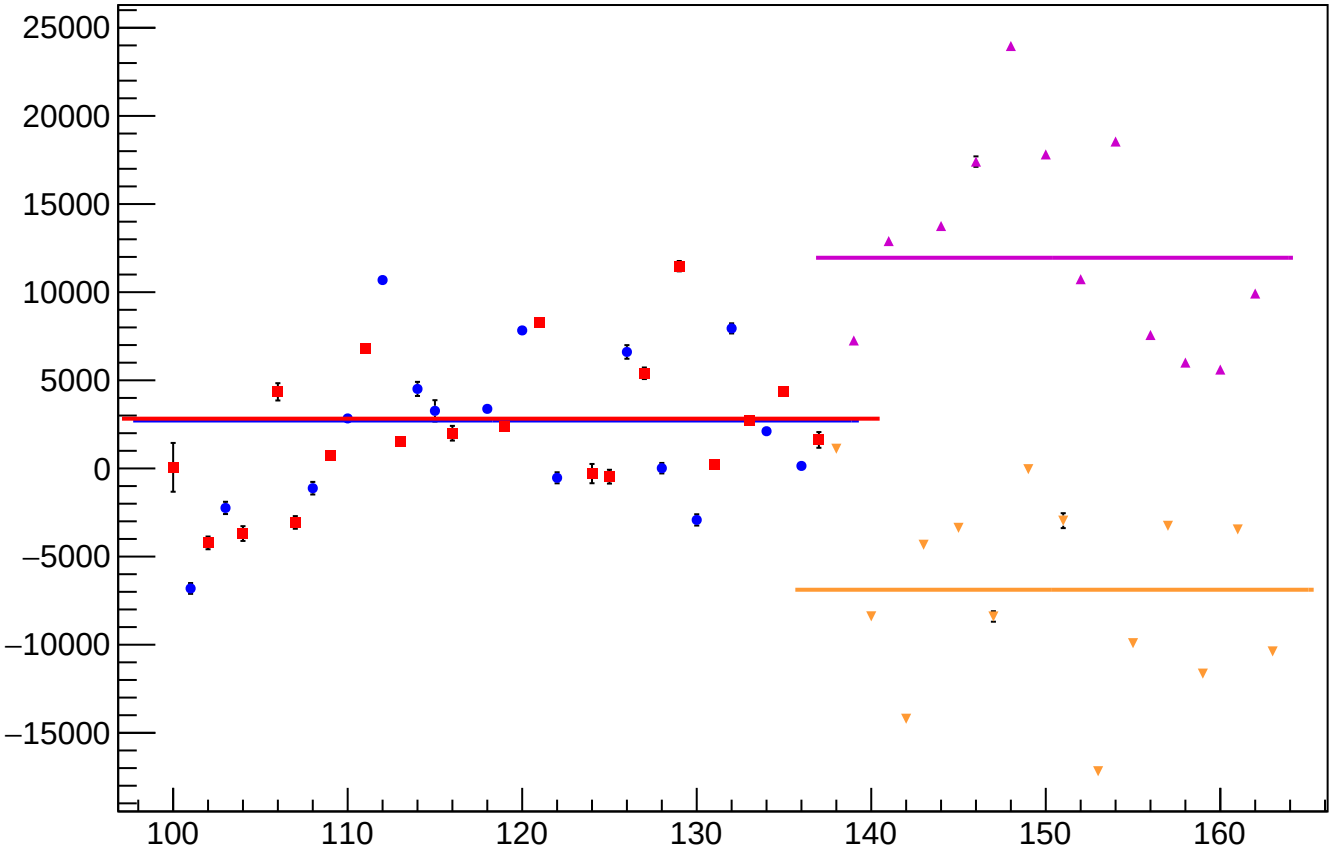
Left In: 168.274+/-0.039 χ^2/NDF:840197.2/11

+ sign 153.392+/-0.026 χ^2/NDF: 2075713.3/29

All: 152.186+/-0.019 χ^2/NDF: 4192701.0/60

- sign 150.964+/-0.027 χ^2/NDF: 2112813.5/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

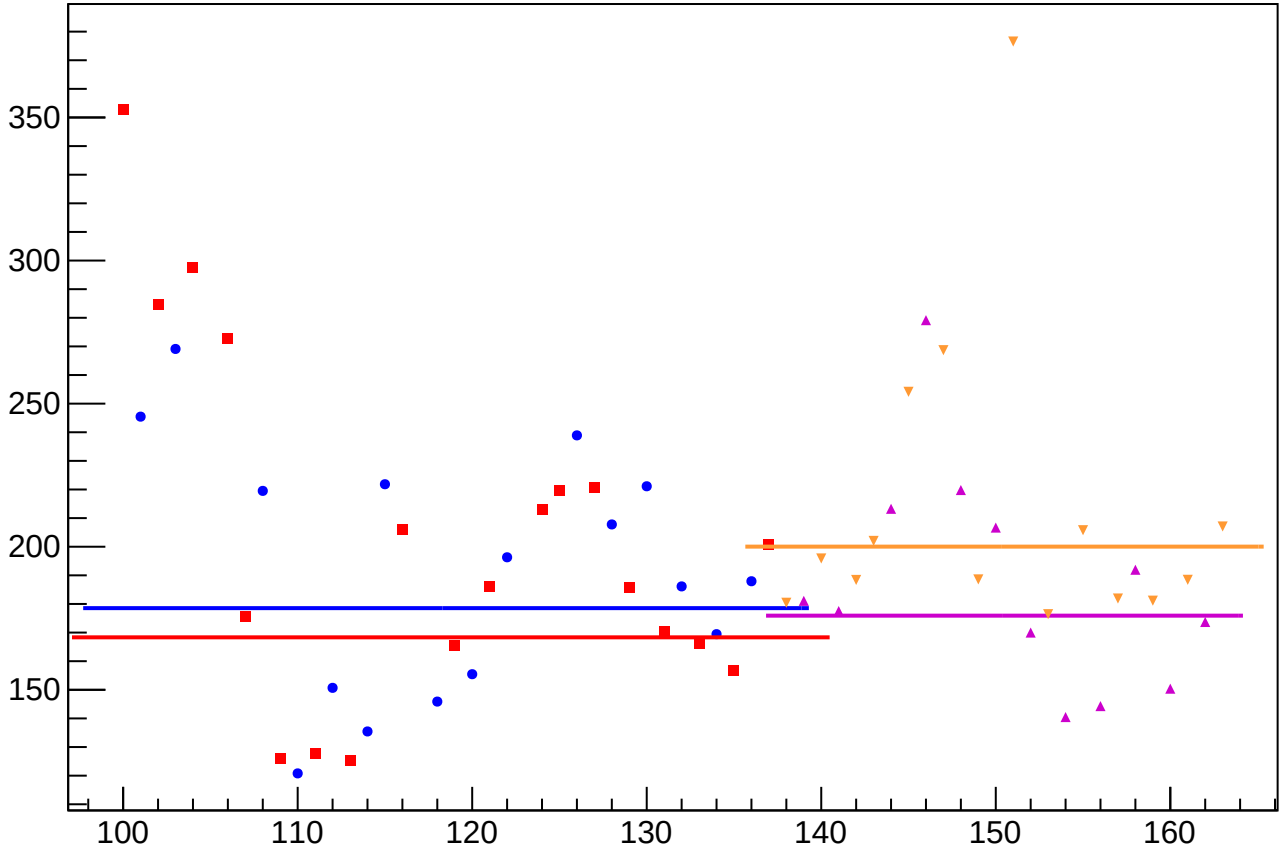
Left In: 11952.795+/-57.005 χ^2/NDF:9124.0/11

+ sign -2644.947+/-45.998 χ^2/NDF: 22732.5/29

All: 3044.418+/-31.340 χ^2/NDF: 74651.0/60

- sign 7973.573+/-42.815 χ^2/NDF: 23365.9/30

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

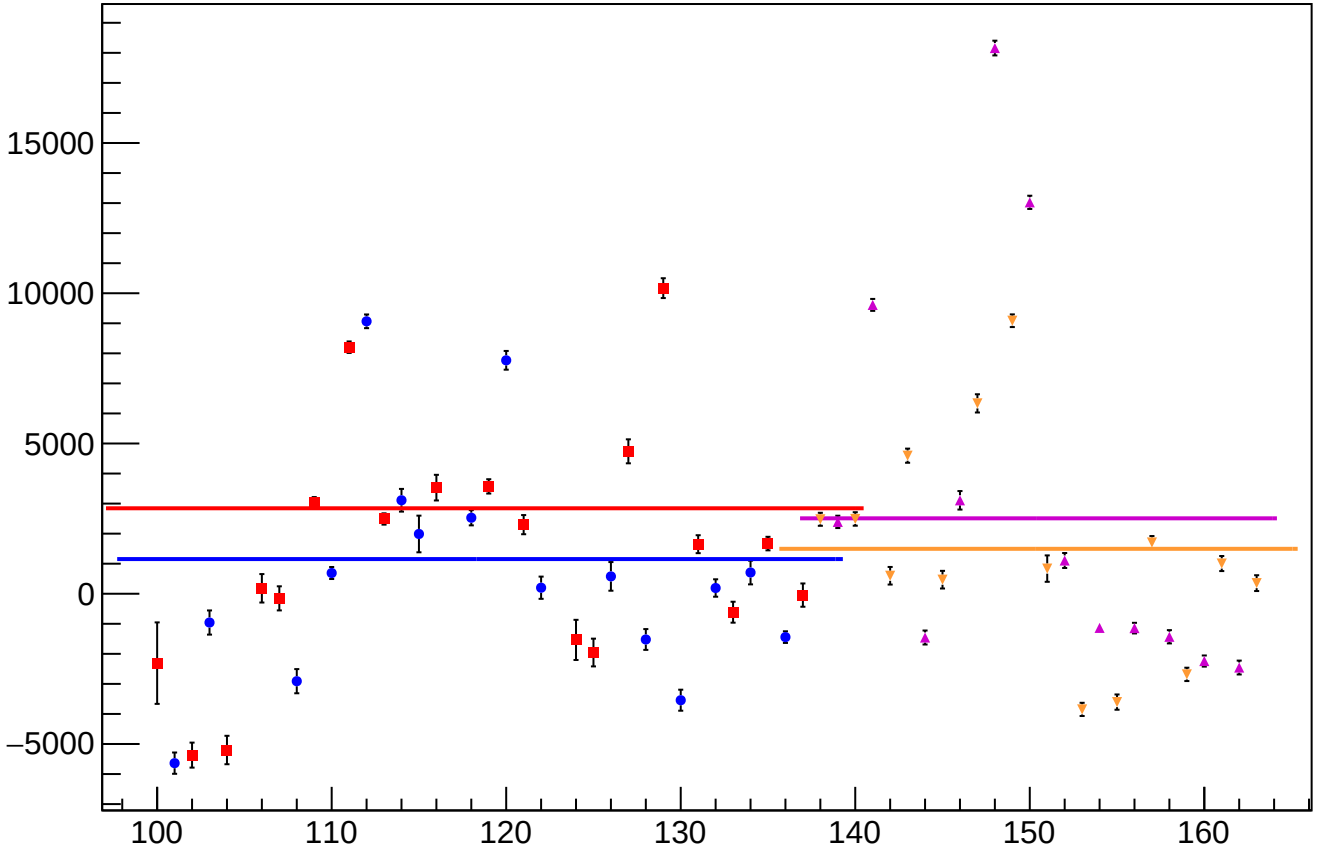
Left In: 175.912+/-0.040 χ^2/NDF:647707.3/11

+ sign 190.551+/-0.033 χ^2/NDF: 1407521.8/29

All: 180.938+/-0.022 χ^2/NDF: 3213150.4/60

- sign 172.609+/-0.030 χ^2/NDF: 1642597.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

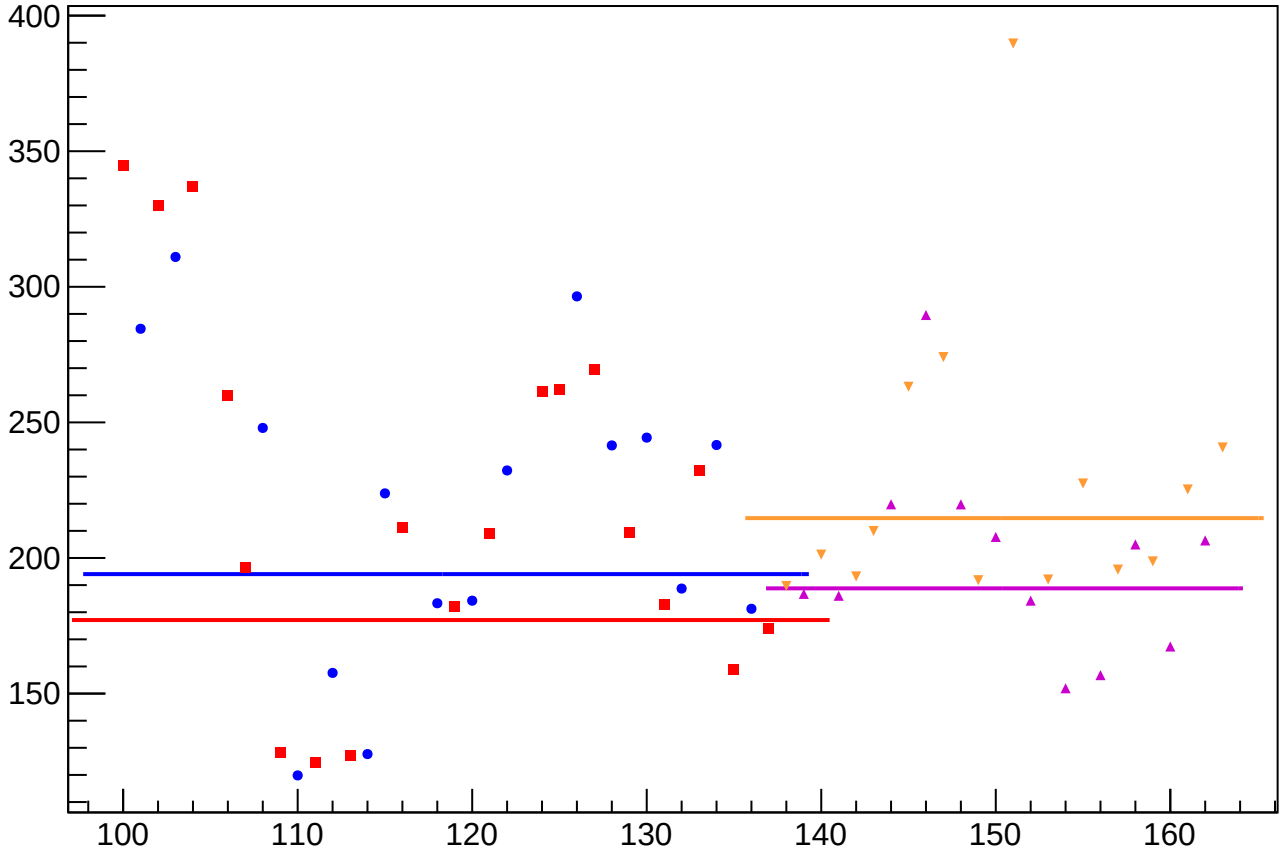
Left In: 2509.475+/-61.010 χ^2/NDF:10305.1/11

+ sign 1348.247+/-49.828 χ^2/NDF: 5823.5/29

All: 2057.812+/-33.698 χ^2/NDF: 18968.6/60

- sign 2655.879+/-45.746 χ^2/NDF: 12771.4/30

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

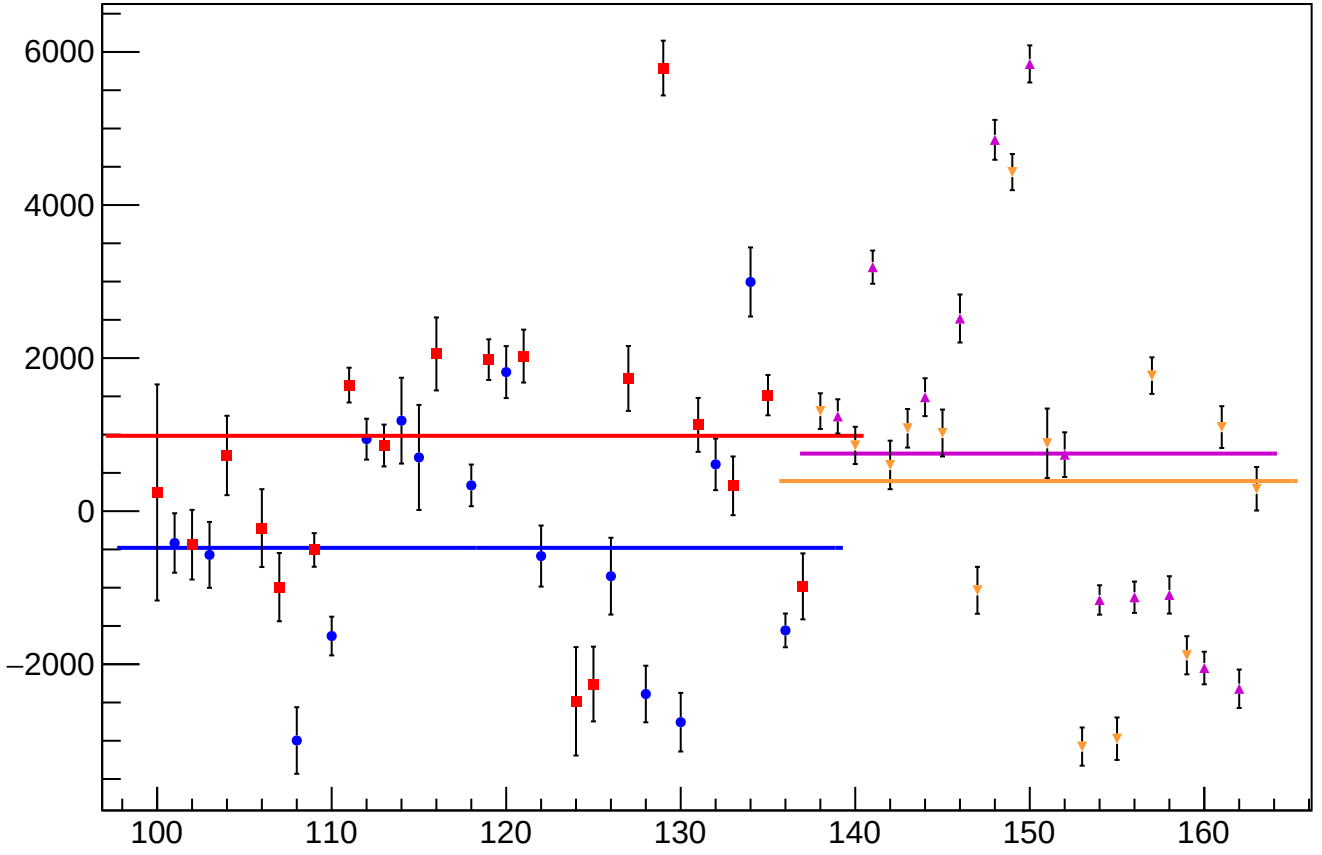
Left In: 188.802+/-0.043 χ^2/NDF:512568.4/11

+ sign 205.812+/-0.035 χ^2/NDF: 1642526.5/29

All: 193.805+/-0.024 χ^2/NDF: 3760560.1/60

- sign 183.686+/-0.032 χ^2/NDF: 1904044.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

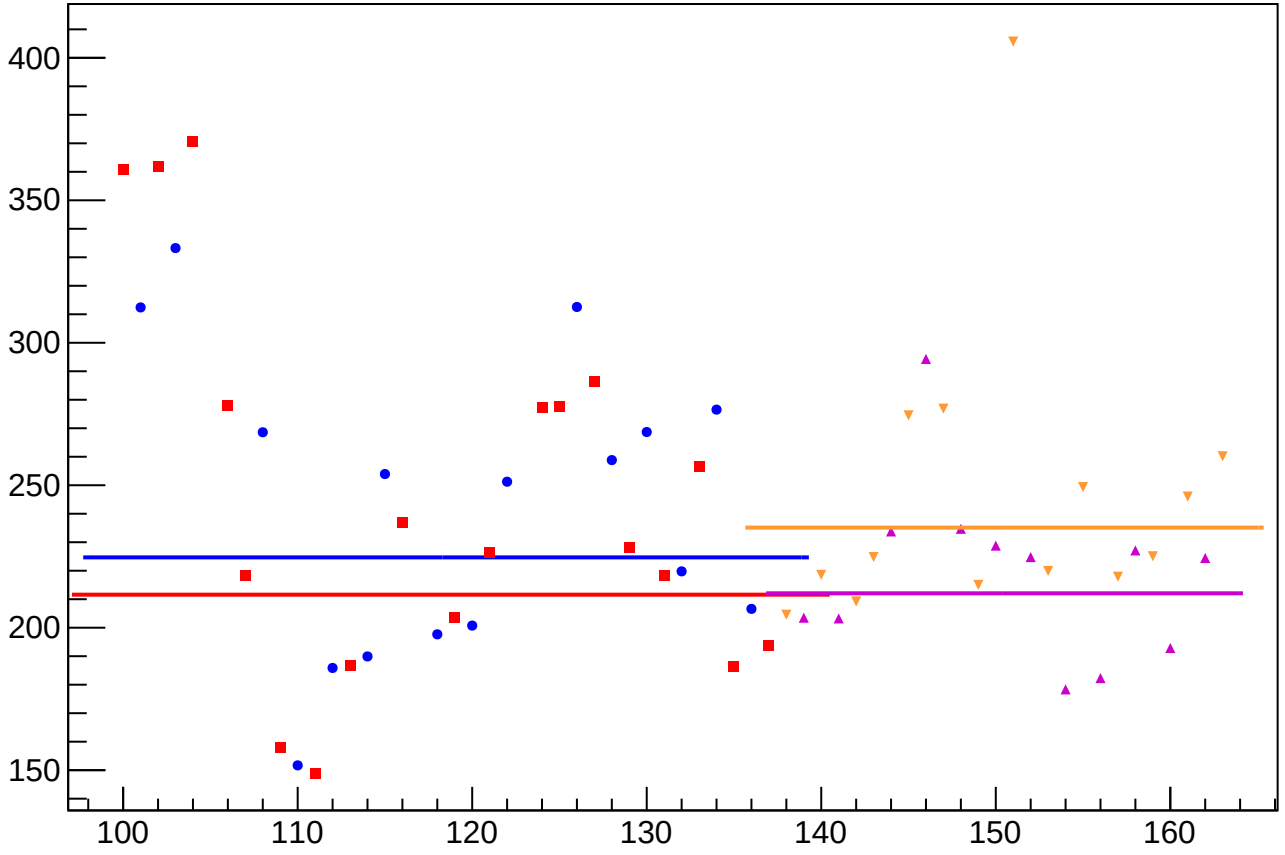
Left In: 752.308+/-67.884 χ^2/NDF:1424.7/11

+ sign 38.116+/-55.323 χ^2/NDF: 1176.5/29

All: 468.097+/-37.895 χ^2/NDF: 3118.0/60

- sign 848.181+/-52.014 χ^2/NDF: 1827.6/30

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

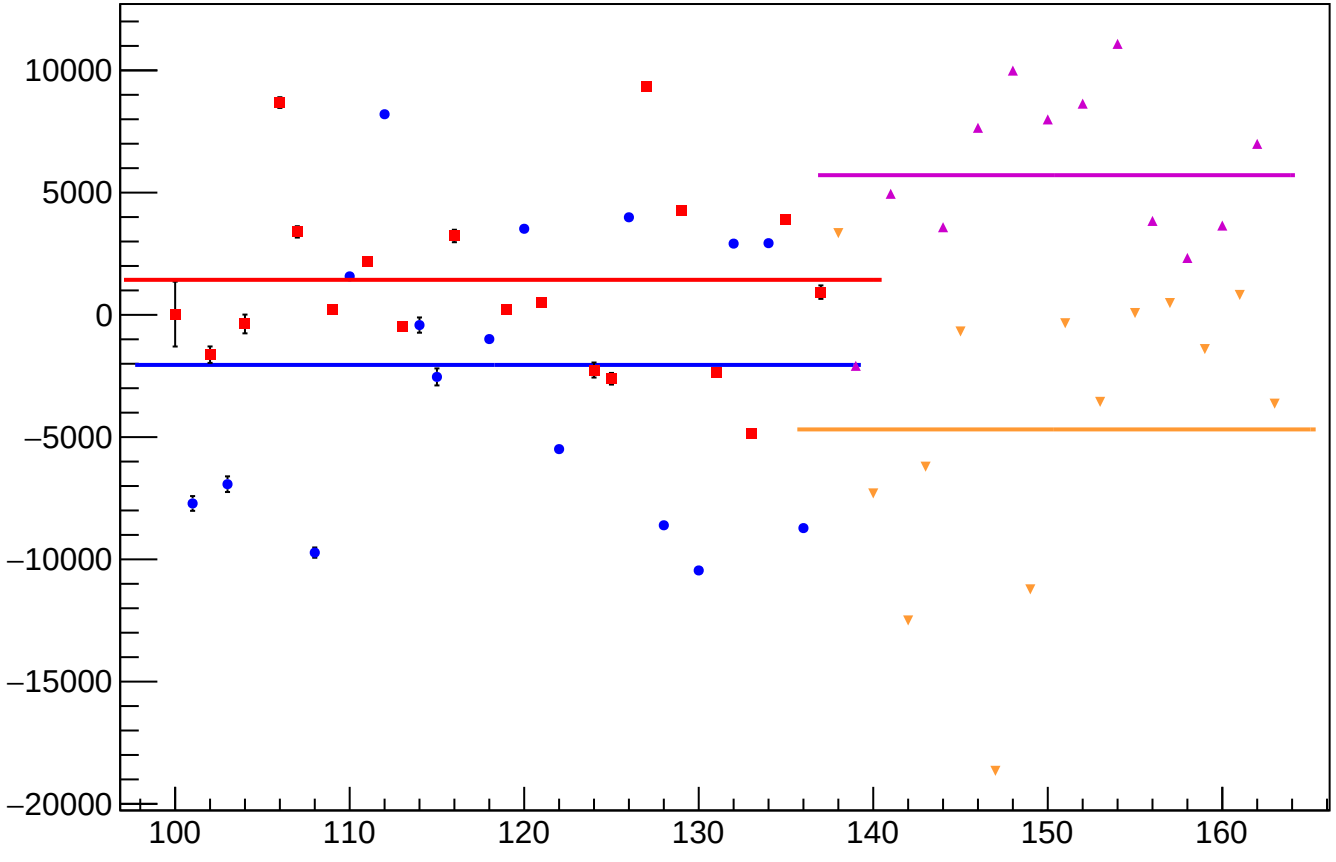
Left In: 212.074+/-0.048 χ^2/NDF:320149.6/11

+ sign 230.877+/-0.039 χ^2/NDF: 1143240.3/29

All: 220.792+/-0.027 χ^2/NDF: 2521564.5/60

- sign 211.876+/-0.037 χ^2/NDF: 1253093.3/30

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

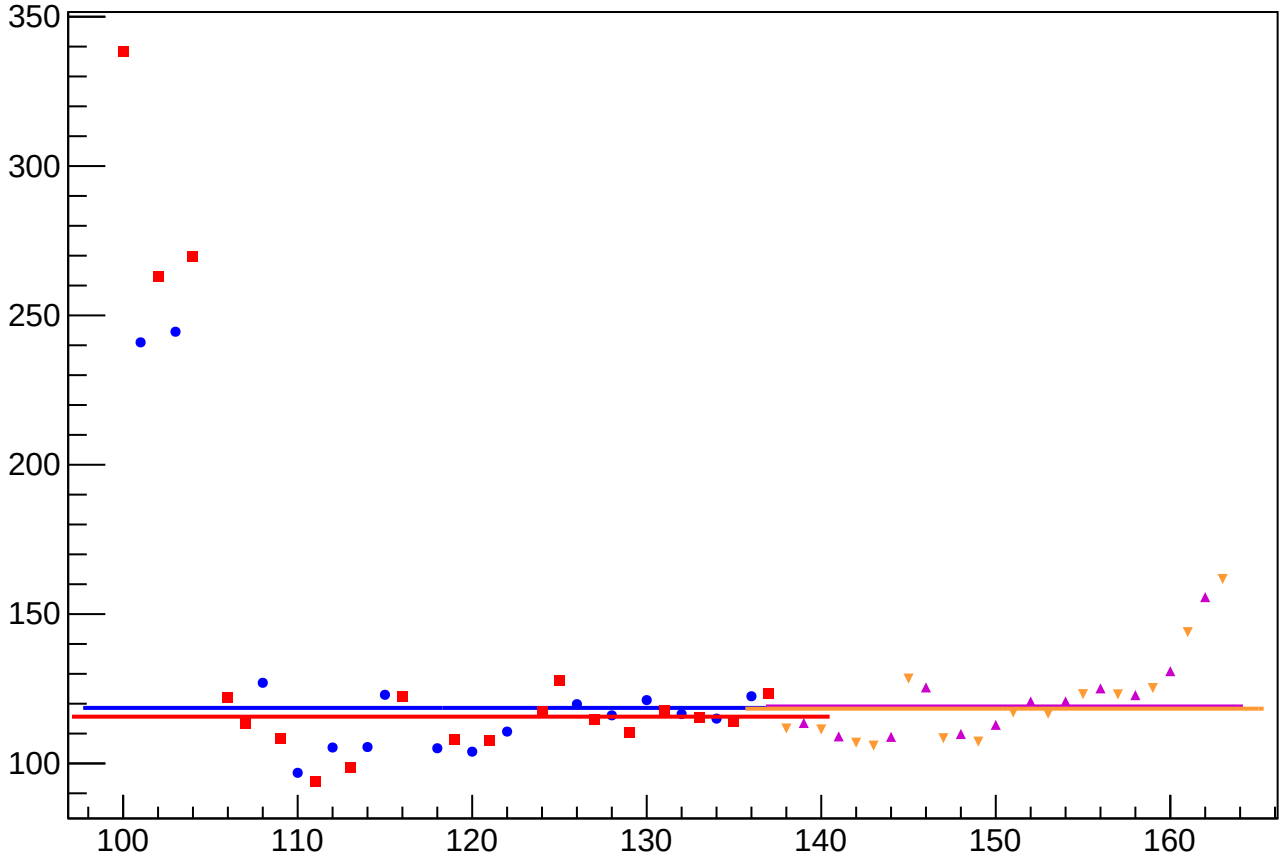
Left In: 5713.097+/-37.583 χ^2/NDF:9269.0/11

+ sign -3702.993+/-28.511 χ^2/NDF: 48404.7/29

All: 84.217+/-20.253 χ^2/NDF: 105047.2/60

- sign 3941.800+/-28.774 χ^2/NDF: 21024.2/30

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

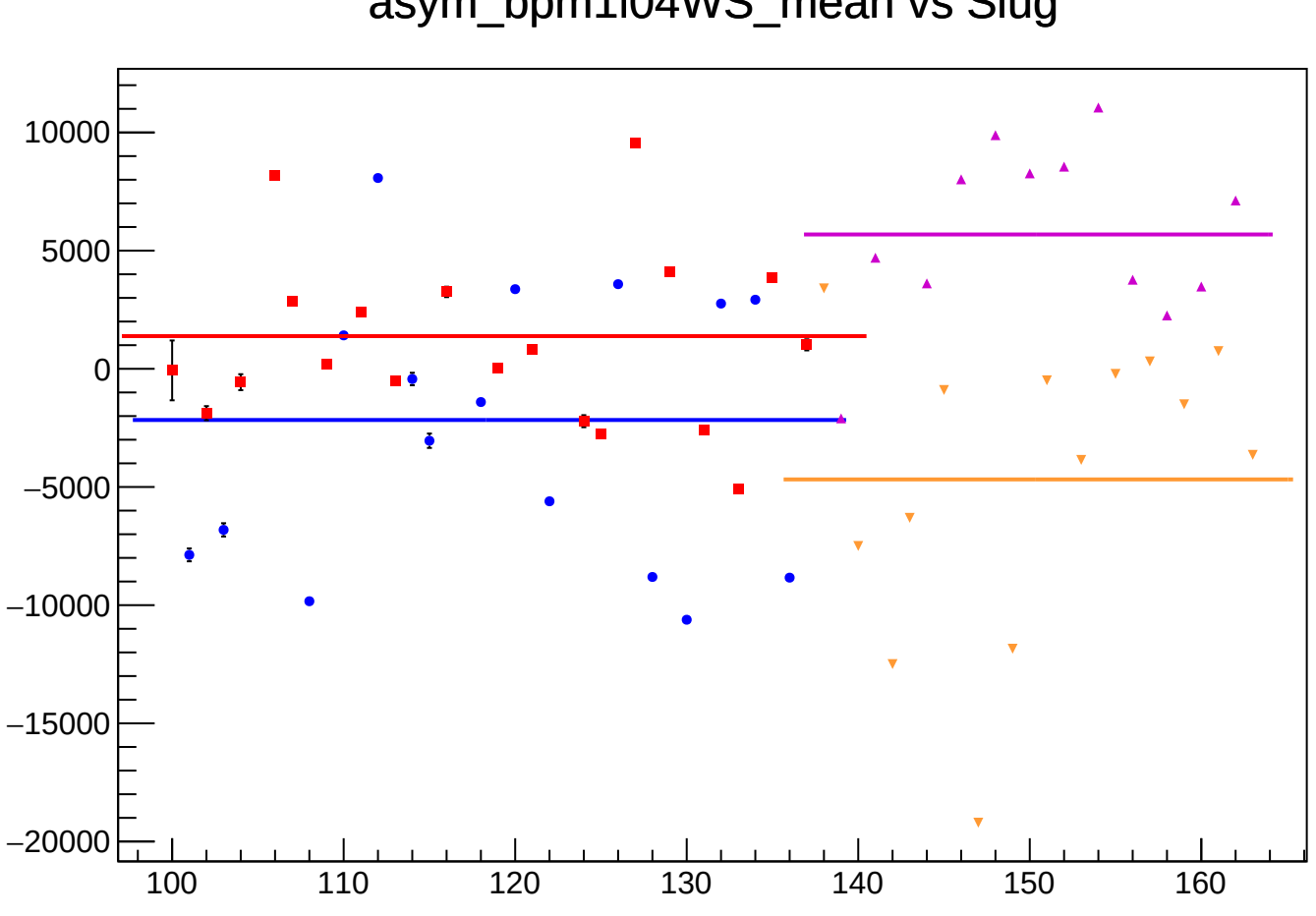
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 119.077+/-0.027 χ^2/NDF:162611.2/11

+ sign 118.434+/-0.020 χ^2/NDF: 999936.5/29

All: 118.052+/-0.014 χ^2/NDF: 2034323.4/60

- sign 117.663+/-0.020 χ^2/NDF: 1033661.0/30



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4680.079+/-32.408 χ^2/NDF:36117.7/13

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

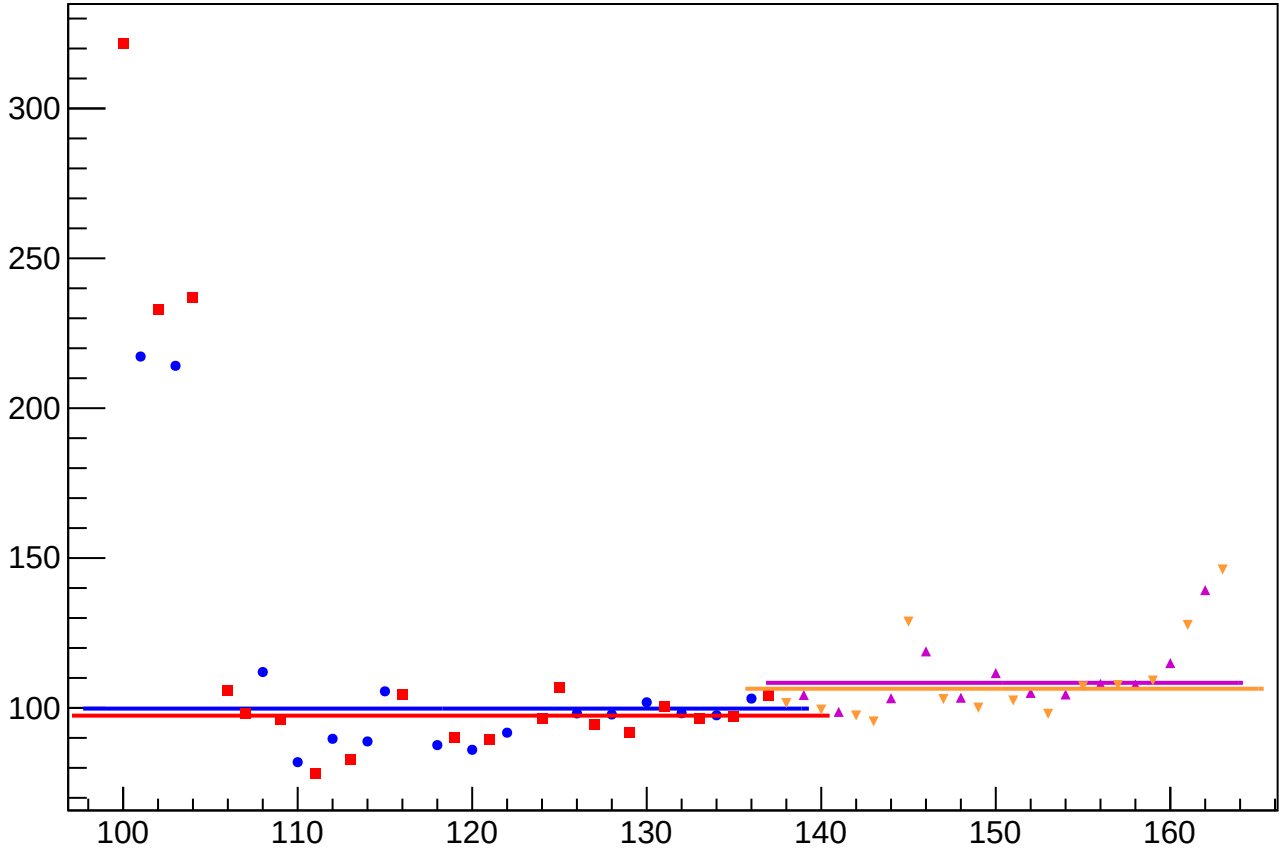
Left In: 5684.411+/-34.213 χ^2/NDF:11459.4/11

\+ sign -3672.598+/-25.088 χ^2/NDF: 61404.3/29

All: -6.273+/-17.856 χ^2/NDF: 132374.0/60

\- sign 3757.365+/-25.419 χ^2/NDF: 27689.3/30

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 106.402+/-0.023 χ^2/NDF:279055.7/13

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

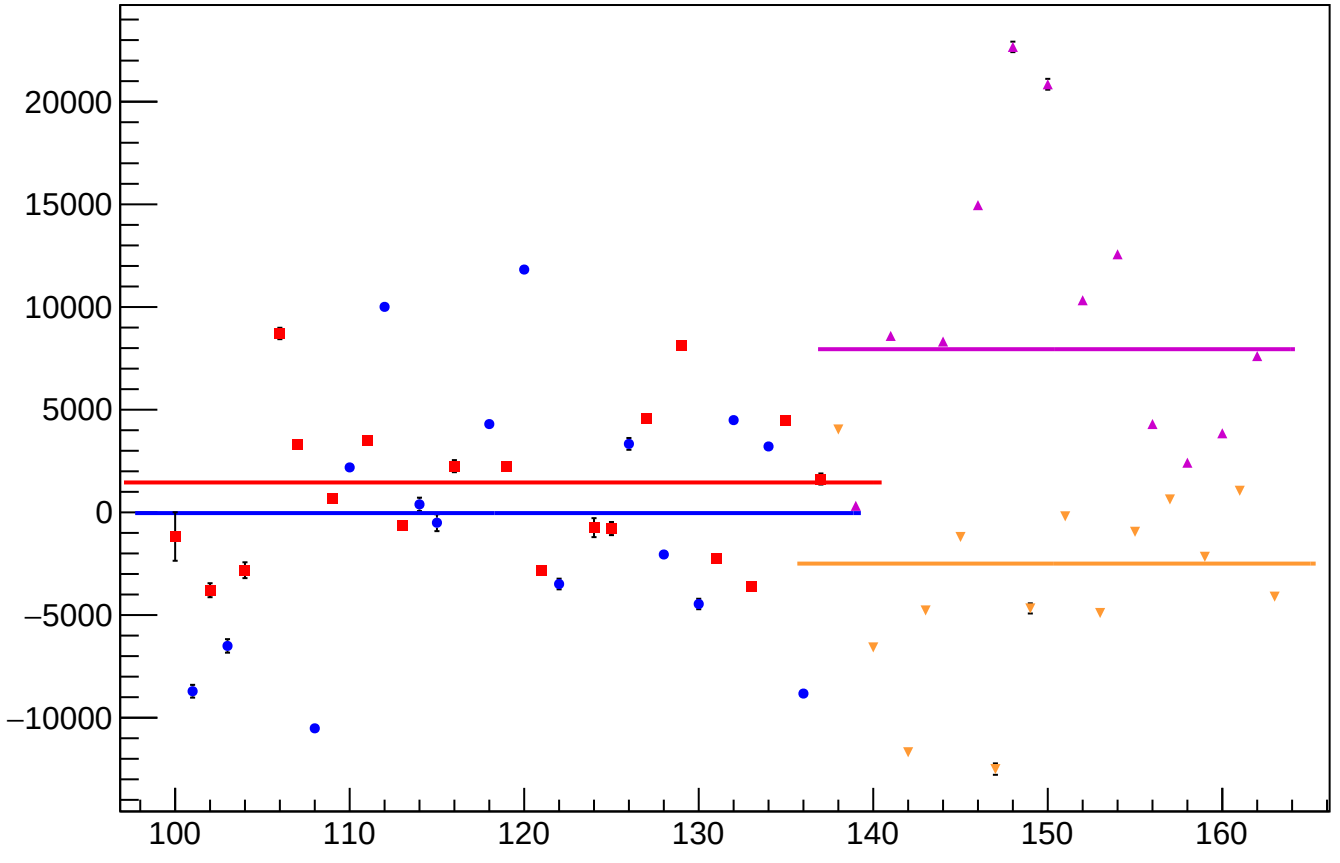
Left In: 108.372+/-0.024 χ^2/NDF:130399.6/11

+ sign 103.746+/-0.018 χ^2/NDF: 1121725.0/29

All: 103.609+/-0.013 χ^2/NDF: 2269983.6/60

- sign 103.469+/-0.018 χ^2/NDF: 1148137.8/30

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2494.160+/-46.783 χ^2/NDF:6981.4/13

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

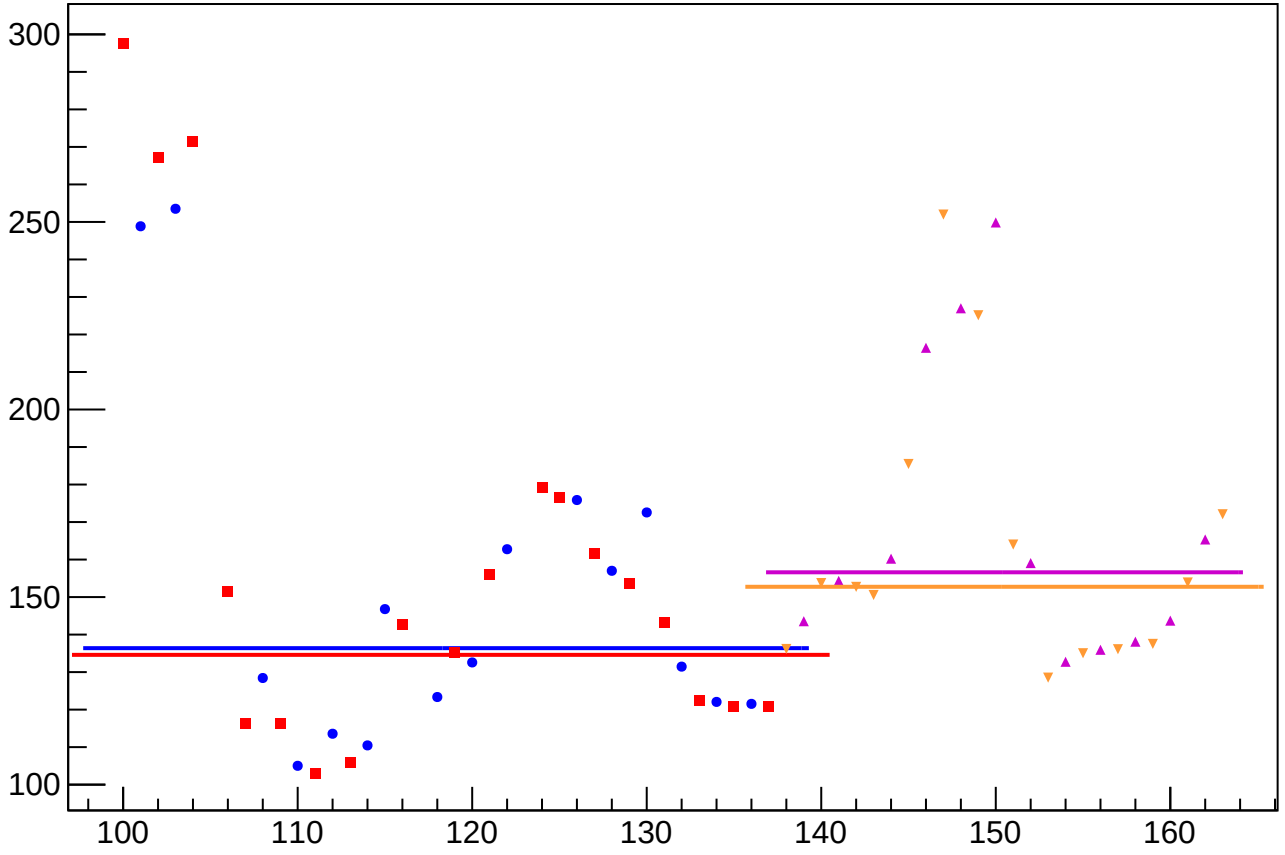
Left In: 7946.701+/-50.112 χ^2/NDF:12844.3/11

+ sign -1427.629+/-35.208 χ^2/NDF: 24982.7/29

All: 1620.134+/-25.193 χ^2/NDF: 65386.1/60

- sign 4818.242+/-36.066 χ^2/NDF: 25046.5/30

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 152.745+/-0.033 χ^2/NDF:659708.7/13

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

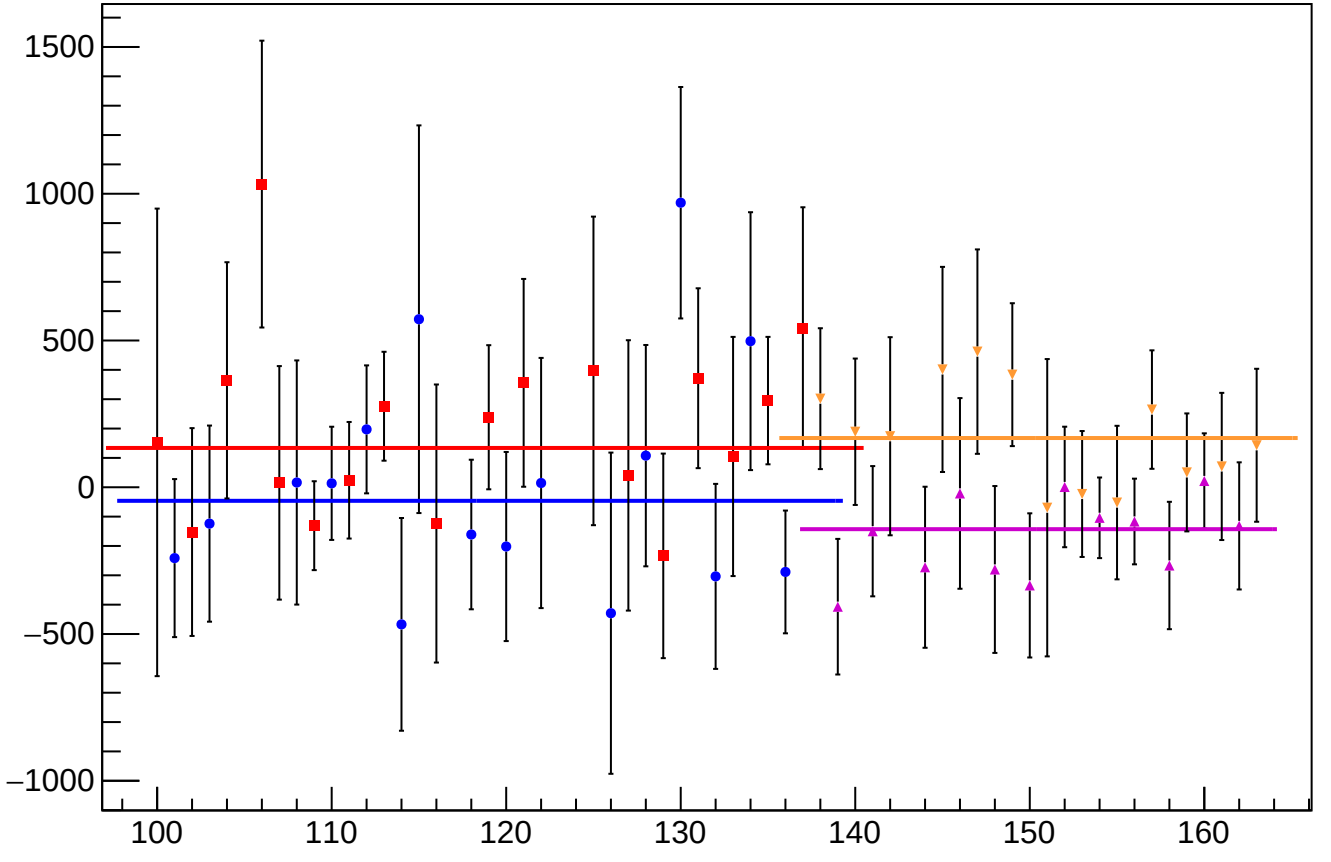
Left In: 156.605+/-0.035 χ^2/NDF:695700.6/11

+ sign 145.650+/-0.025 χ^2/NDF: 1562639.2/29

All: 145.819+/-0.018 χ^2/NDF: 3363962.0/60

- sign 145.997+/-0.026 χ^2/NDF: 1801227.9/30

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 167.746+/-71.477 χ^2/NDF:4.7/12

Right Out: 133.913+/-68.414 χ^2/NDF: 12.8/17

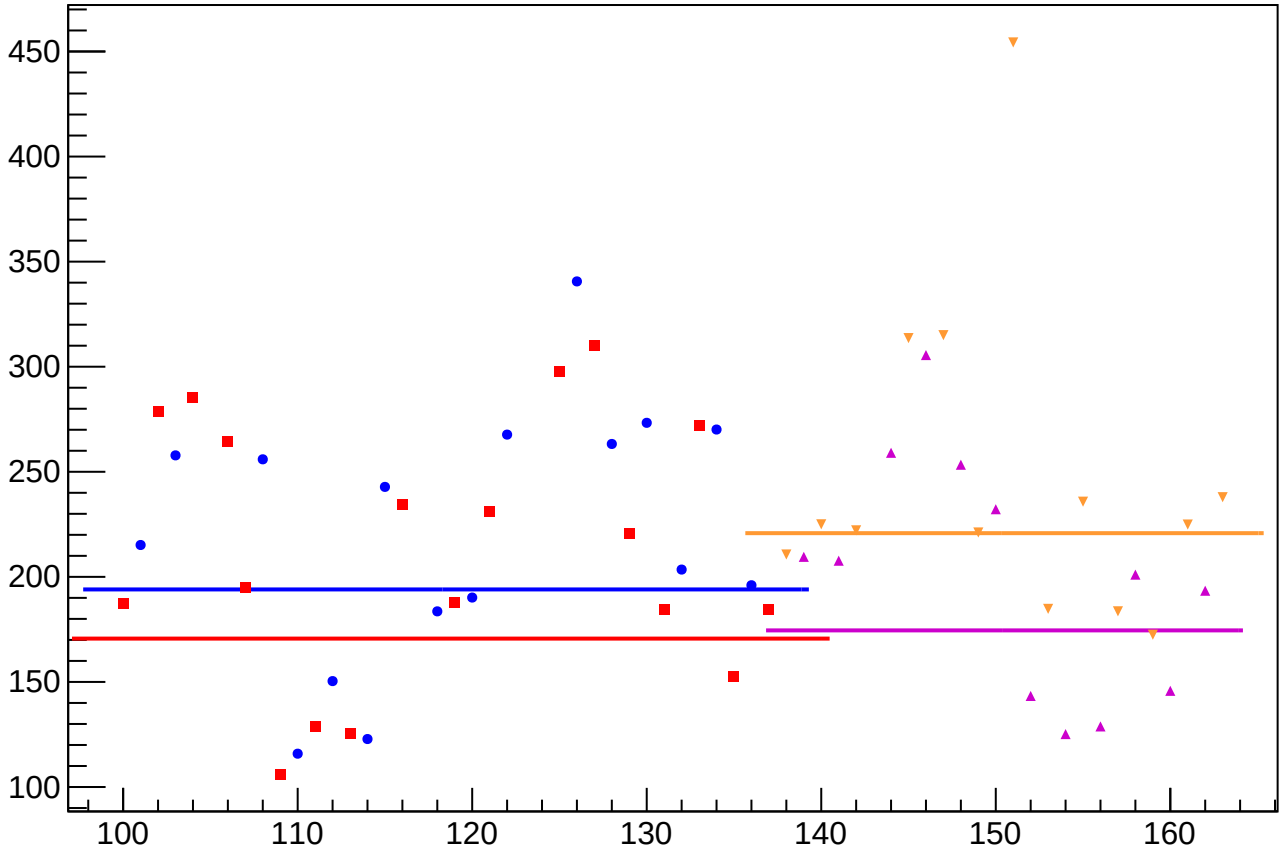
Left In: -142.794+/-58.225 χ^2/NDF:4.5/11

+ sign 67.724+/-52.158 χ^2/NDF: 24.4/28

All: 12.994+/-33.783 χ^2/NDF: 53.0/58

- sign -26.559+/-44.341 χ^2/NDF: 26.8/29

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 220.795+/-0.051 χ^2/NDF:972498.0/12

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

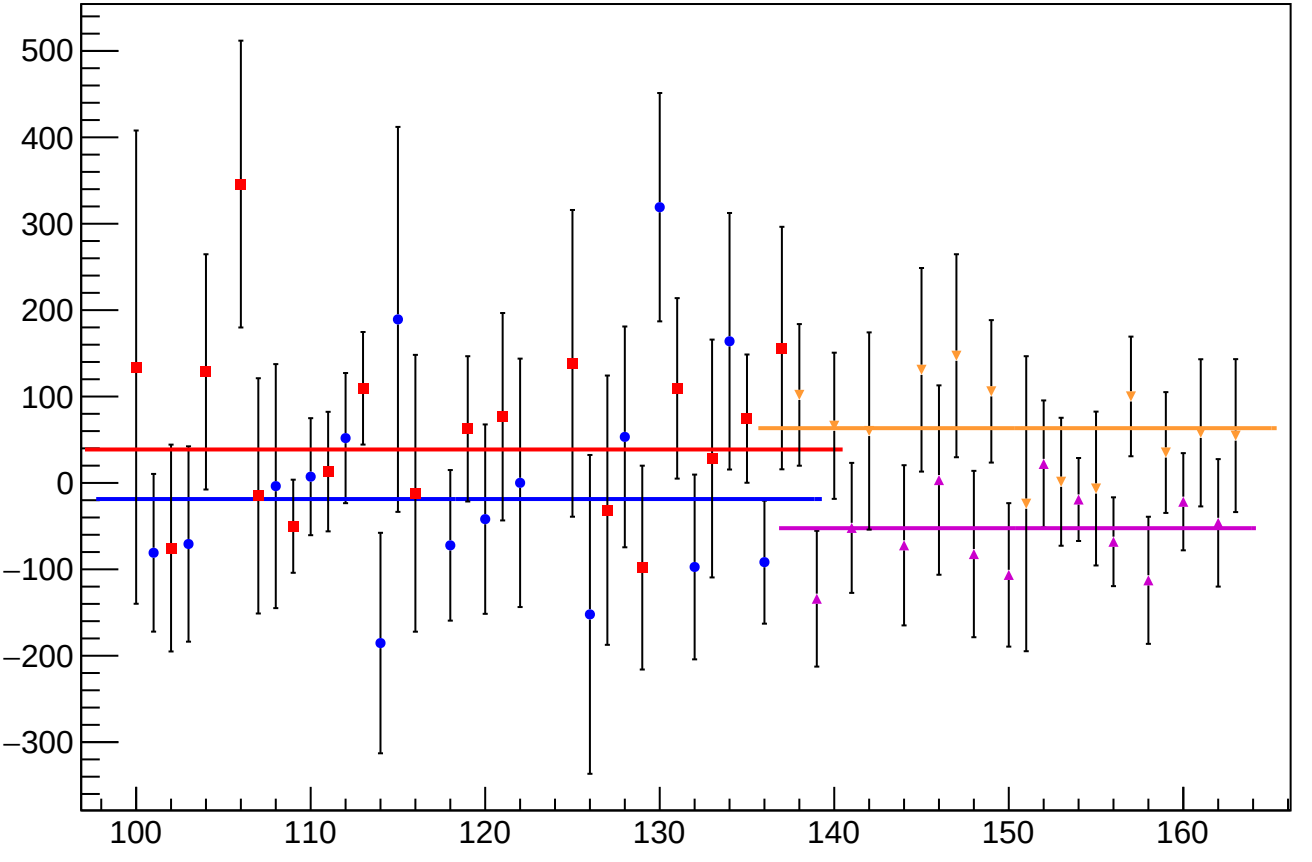
Left In: 174.528+/-0.041 χ^2/NDF:1478091.5/11

+ sign 208.276+/-0.037 χ^2/NDF: 2147316.4/28

All: 187.734+/-0.024 χ^2/NDF: 5757338.7/58

- sign 172.888+/-0.031 χ^2/NDF: 3075604.7/29

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 63.389+/-24.409 χ^2/NDF:3.4/12

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

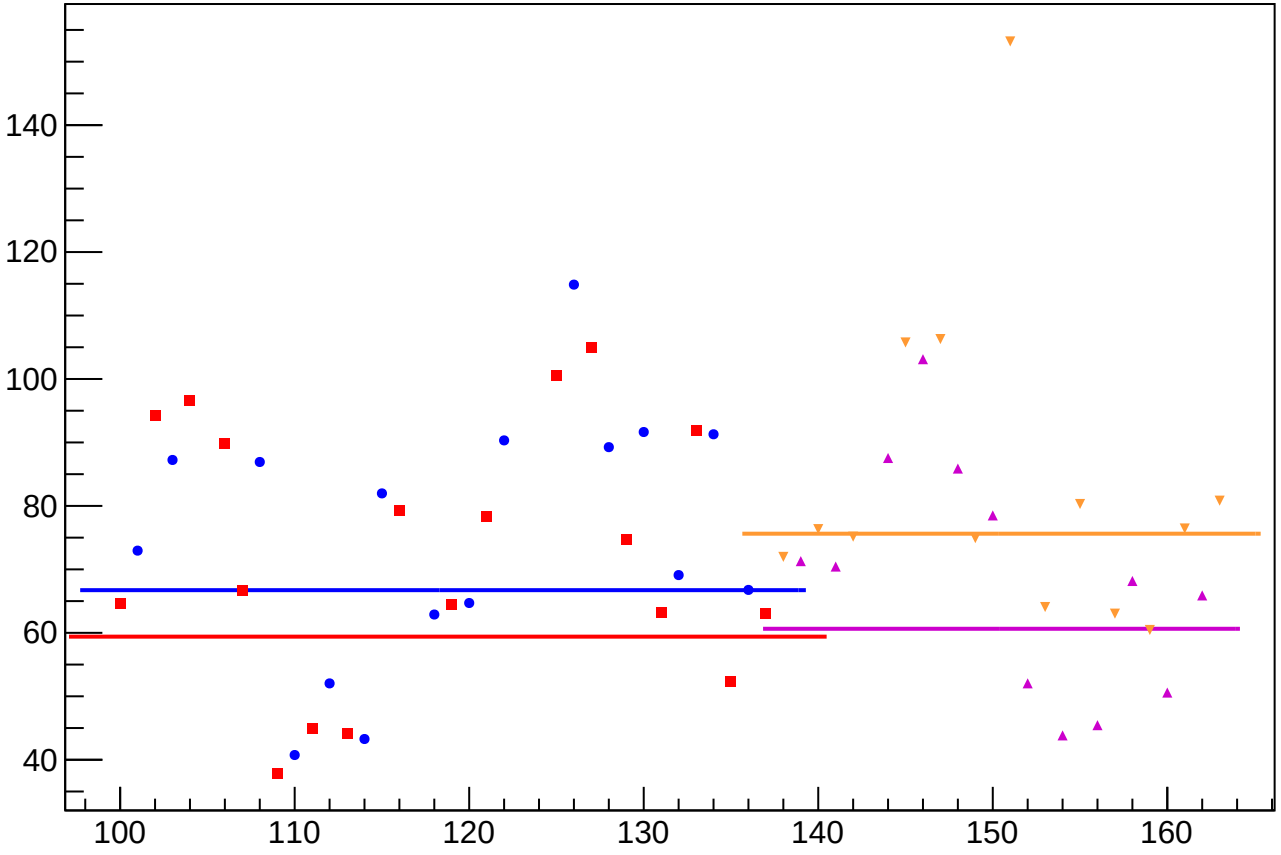
Left In: -52.371+/-20.109 χ^2/NDF:4.5/11

+ sign 25.151+/-17.835 χ^2/NDF: 23.8/28

All: 2.535+/-11.621 χ^2/NDF: 52.3/58

- sign -14.153+/-15.320 χ^2/NDF: 25.7/29

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.622+/-0.017 χ^2/NDF:905889.9/12

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

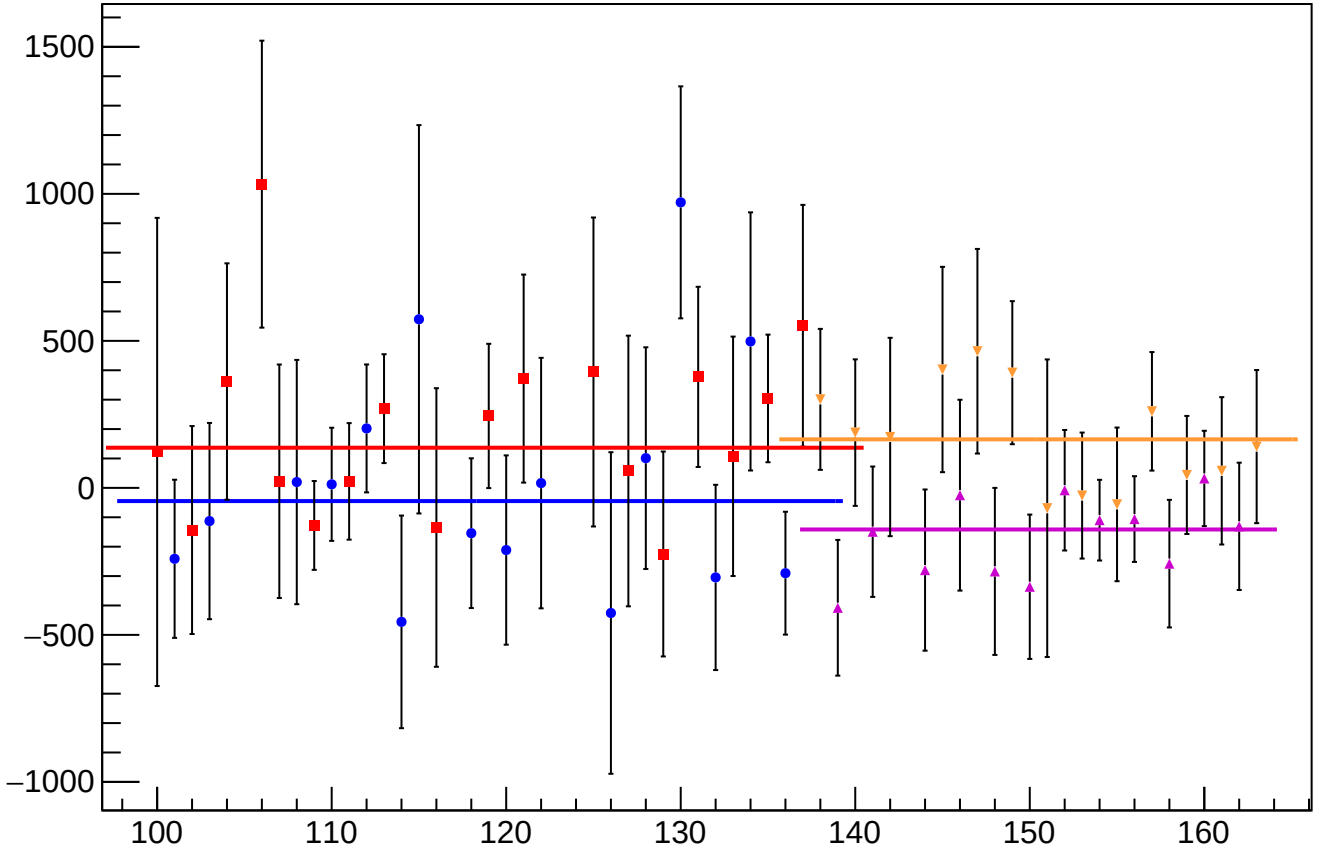
Left In: 60.640+/-0.014 χ^2/NDF:1311478.9/11

+ sign 71.475+/-0.013 χ^2/NDF: 1976821.5/28

All: 64.941+/-0.008 χ^2/NDF: 5203344.7/58

- sign 60.120+/-0.011 χ^2/NDF: 2760037.3/29

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 165.106+/-71.417 χ^2/NDF:4.9/12

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

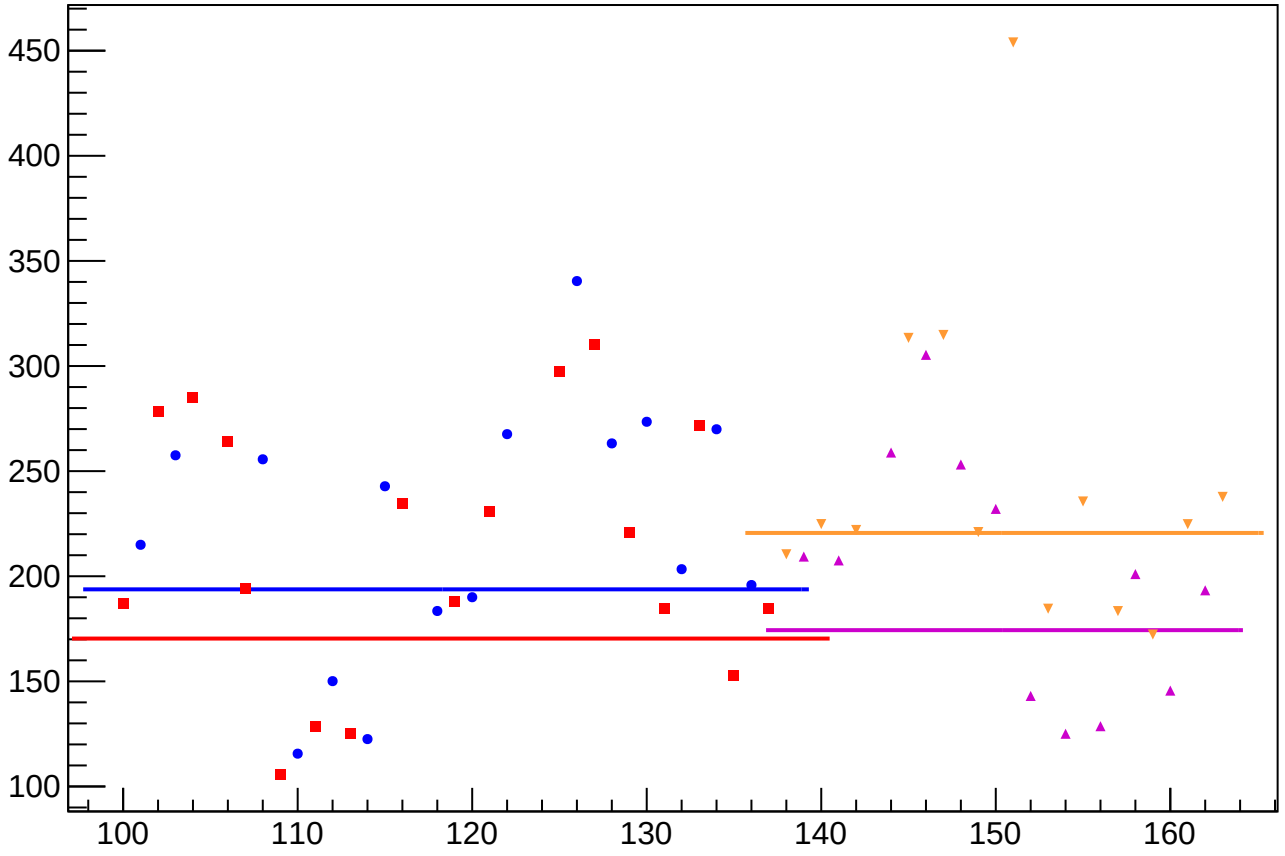
Left In: -141.493+/-58.173 χ^2/NDF:4.6/11

+ sign 66.890+/-52.108 χ^2/NDF: 24.4/28

All: 13.762+/-33.748 χ^2/NDF: 53.2/58

- sign -24.625+/-44.293 χ^2/NDF: 27.0/29

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.601+/-0.050 χ^2/NDF:973242.3/12

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

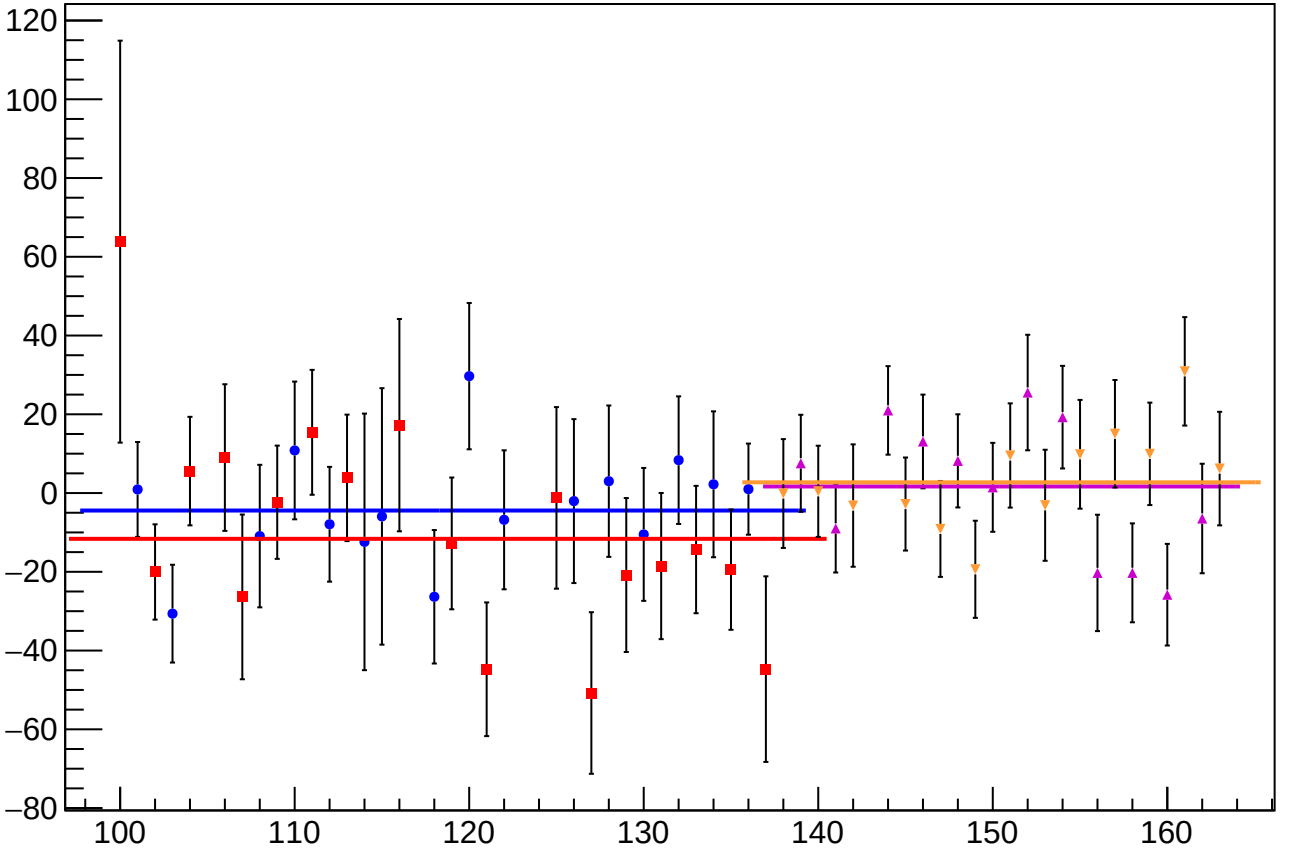
Left In: 174.360+/-0.041 χ^2/NDF:1480177.3/11

+ sign 208.053+/-0.037 χ^2/NDF: 2153374.2/28

All: 187.516+/-0.024 χ^2/NDF: 5771674.6/58

- sign 172.678+/-0.031 χ^2/NDF: 3083180.5/29

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.727+/-3.660 χ^2/NDF:10.7/12

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

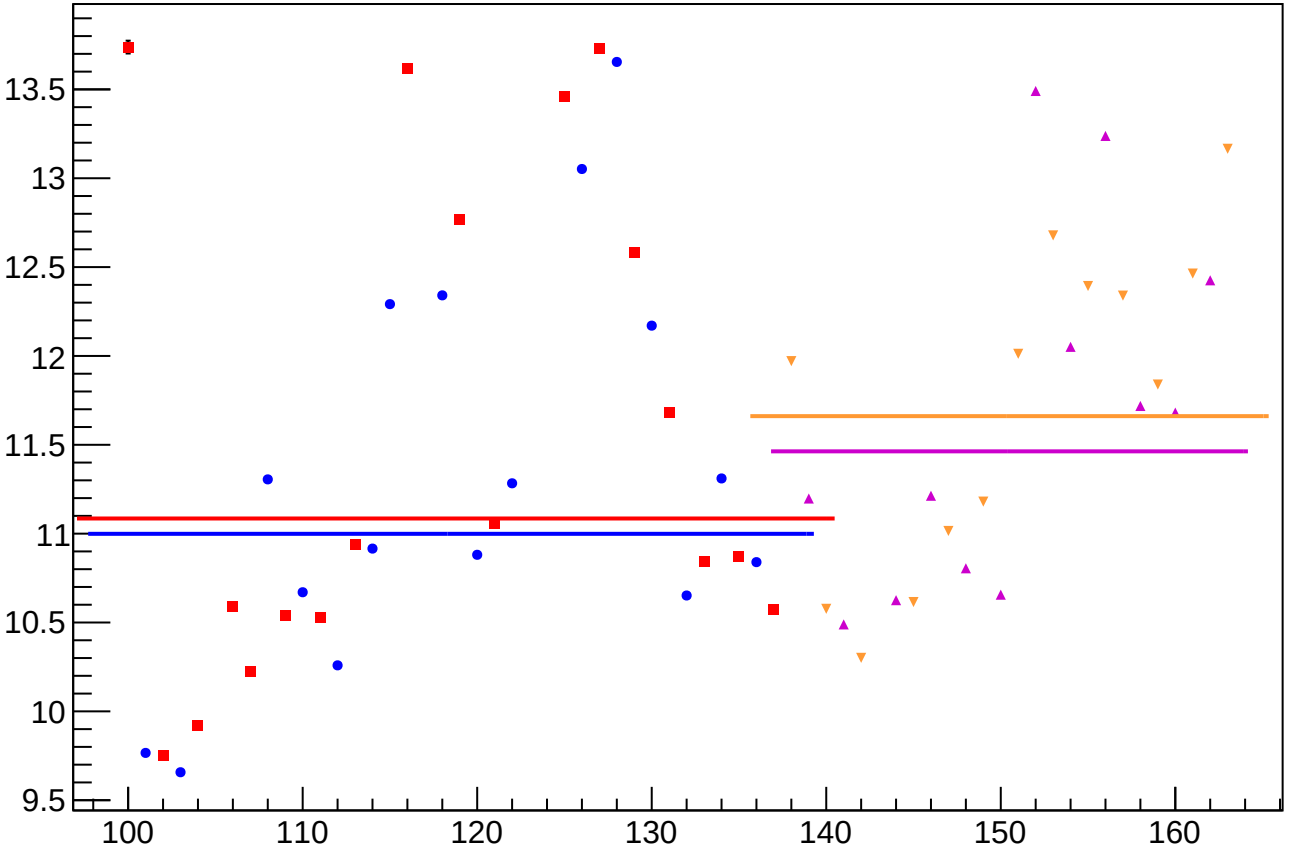
Left In: 1.672+/-3.600 χ^2/NDF:19.9/11

+ sign -0.424+/-2.739 χ^2/NDF: 24.3/28

All: -2.258+/-1.929 χ^2/NDF: 72.7/58

- sign -4.060+/-2.716 χ^2/NDF: 47.4/29

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.661+/-0.003 χ^2/NDF:109544.5/12

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

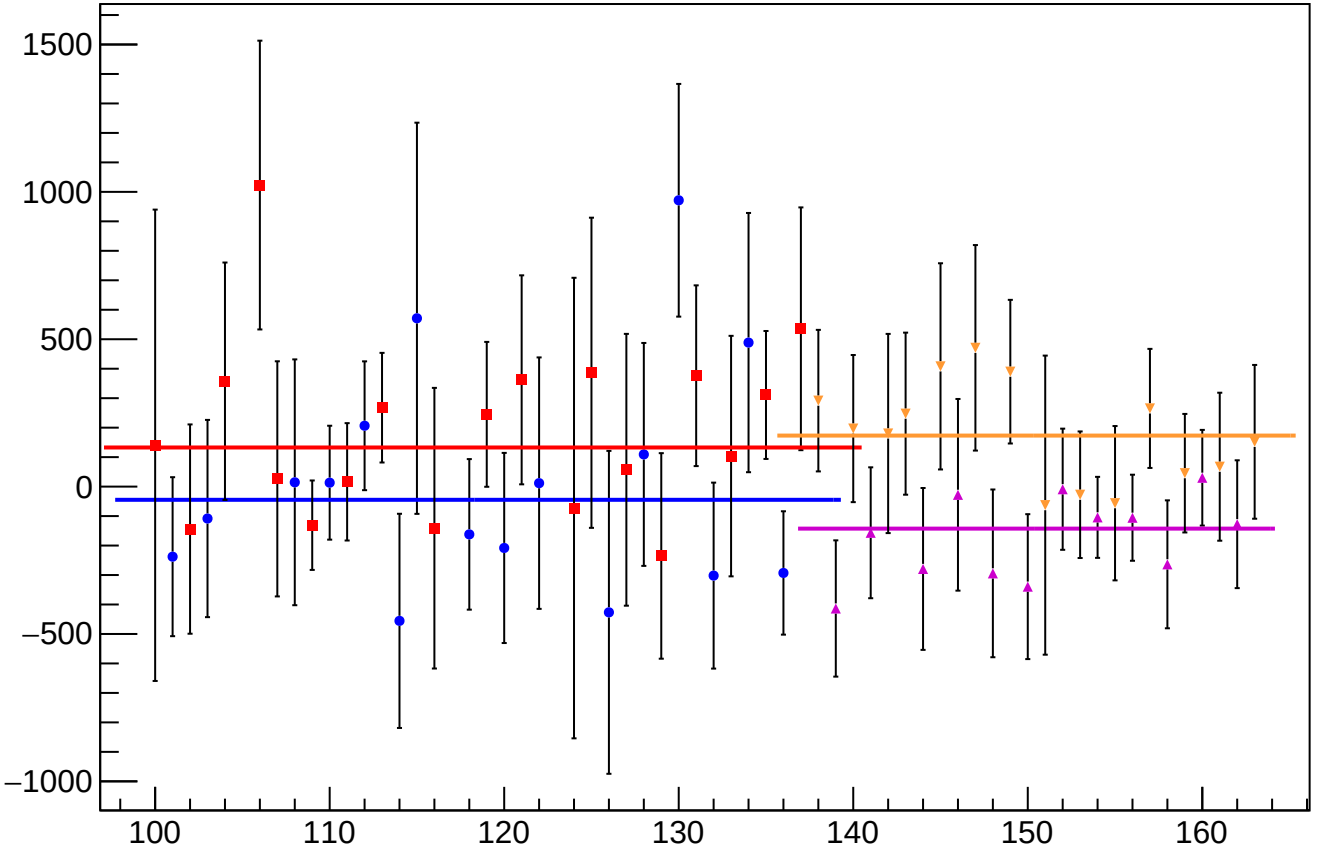
Left In: 11.463+/-0.003 χ^2/NDF:126582.1/11

+ sign 11.370+/-0.002 χ^2/NDF: 274500.1/28

All: 11.335+/-0.001 χ^2/NDF: 573435.5/58

- sign 11.300+/-0.002 χ^2/NDF: 298281.6/29

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

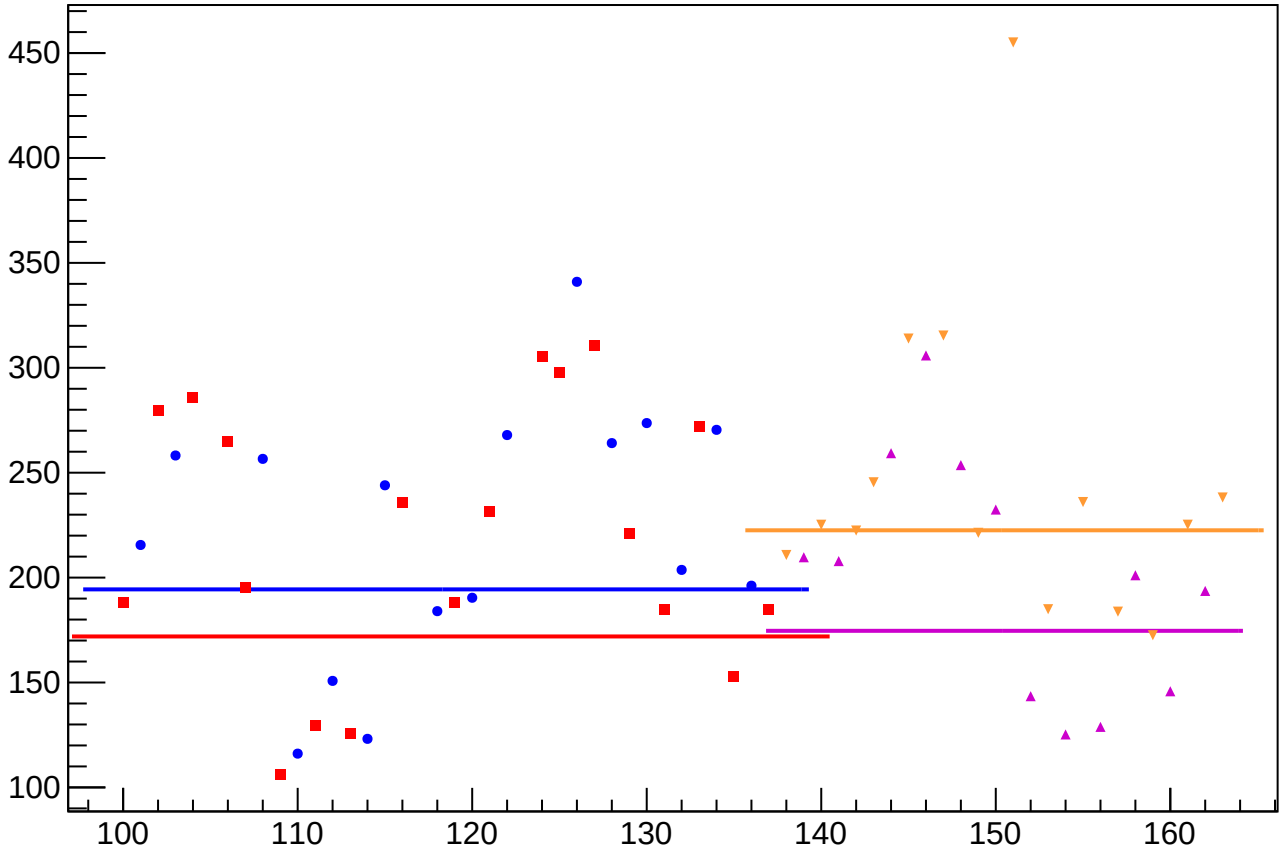
Left In: -142.552+/-58.266 χ^2/NDF:4.7/11

+ sign 74.893+/-51.312 χ^2/NDF: 24.8/29

All: 16.799+/-33.540 χ^2/NDF: 54.0/60

- sign -26.540+/-44.319 χ^2/NDF: 26.9/30

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

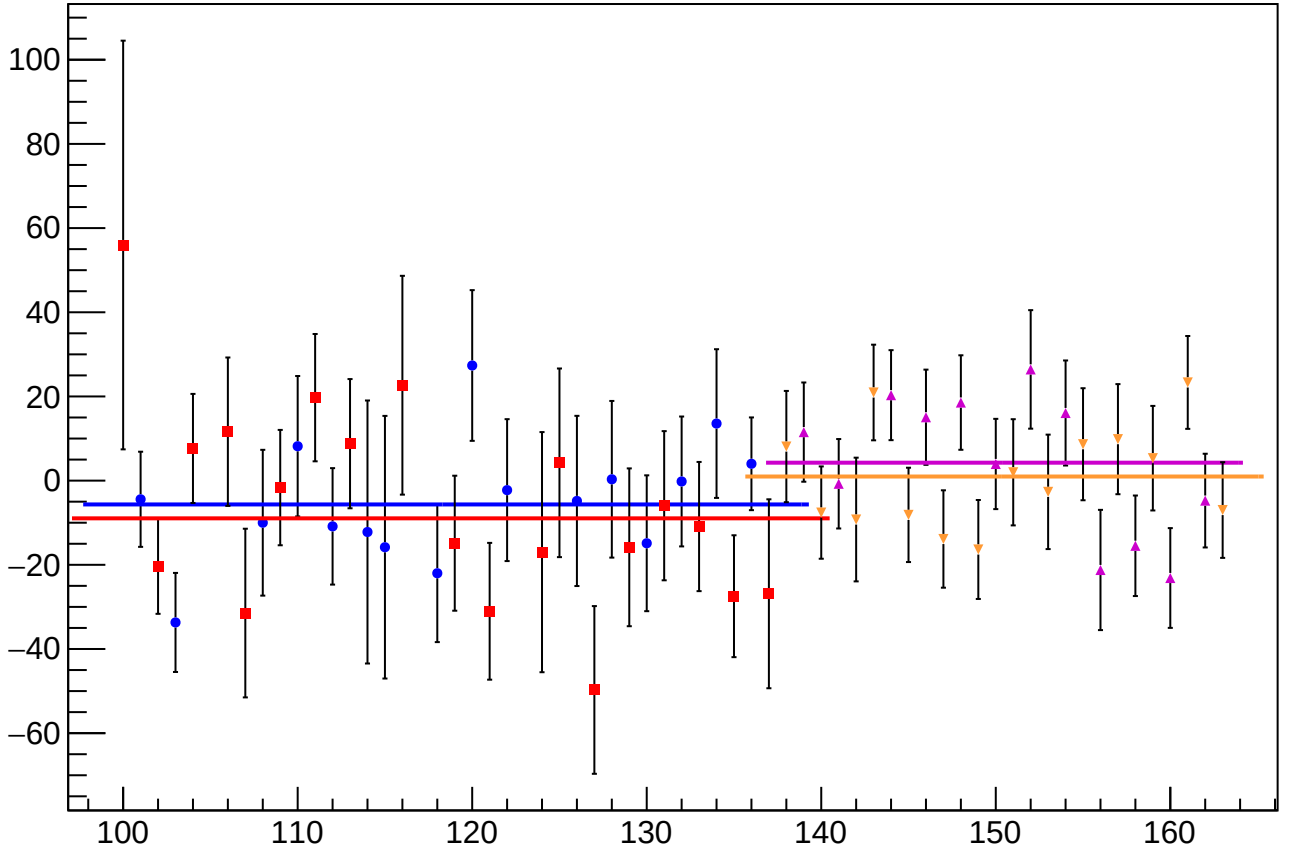
Left In: 174.634+/-0.041 χ^2/NDF:1480266.1/11

+ sign 209.849+/-0.036 χ^2/NDF: 2179922.1/29

All: 189.032+/-0.024 χ^2/NDF: 5888070.9/60

- sign 173.502+/-0.031 χ^2/NDF: 3133399.4/30

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

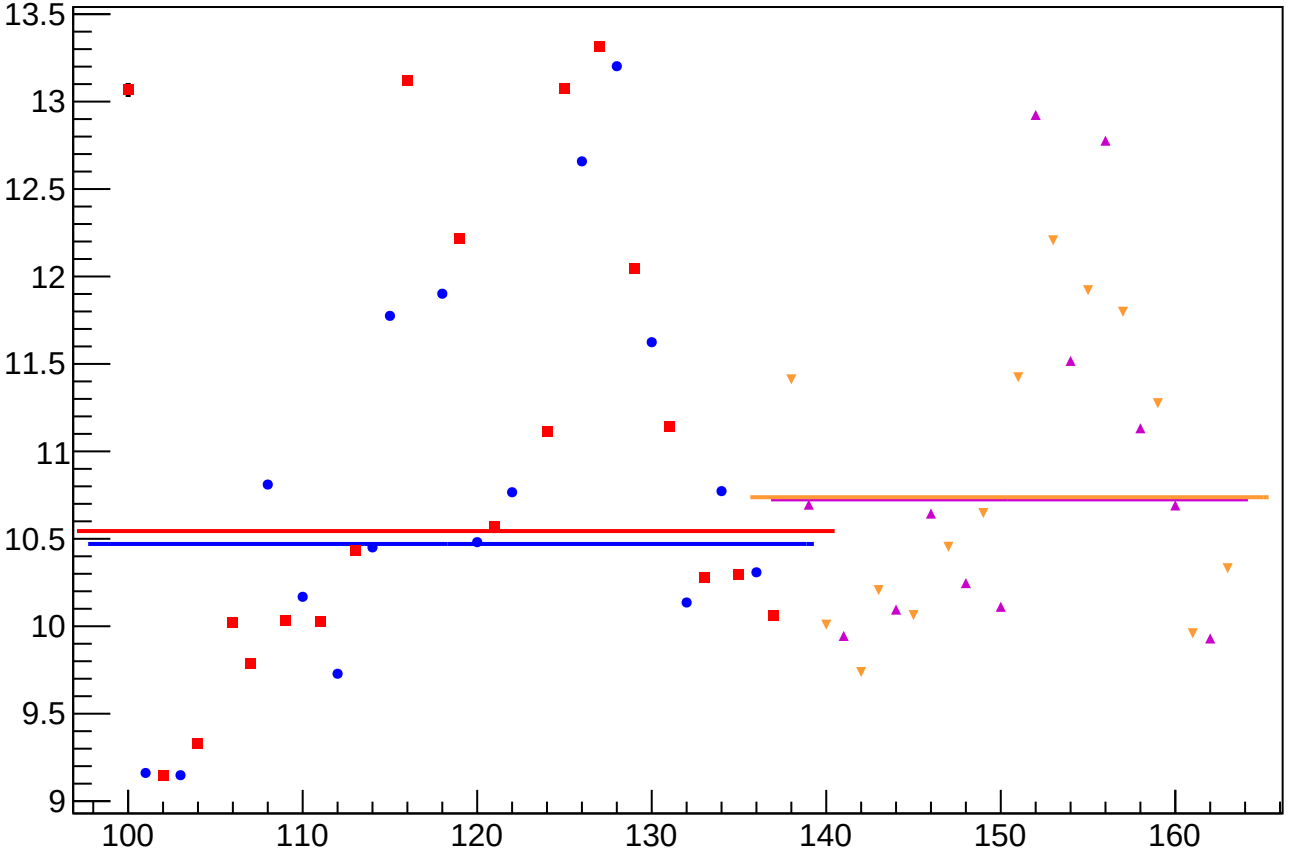
Left In: 4.262+/-3.374 χ^2/NDF:20.7/11

+ sign -1.709+/-2.507 χ^2/NDF: 29.9/29

All: -1.556+/-1.788 χ^2/NDF: 80.0/60

- sign -1.397+/-2.552 χ^2/NDF: 50.0/30

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

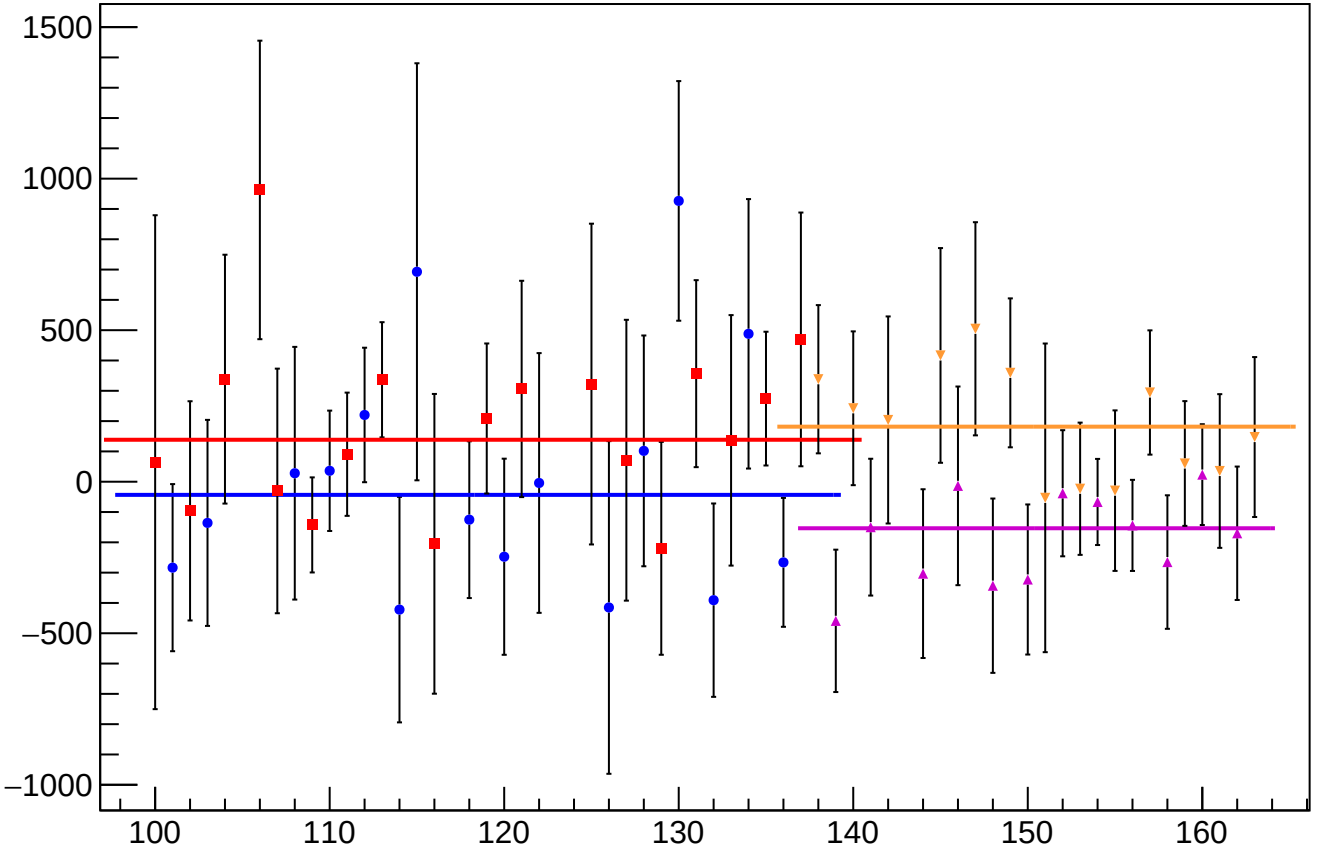
Left In: 10.725+/-0.002 χ^2/NDF:138654.6/11

+ sign 10.630+/-0.002 χ^2/NDF: 273522.4/29

All: 10.639+/-0.001 χ^2/NDF: 601474.4/60

- sign 10.648+/-0.002 χ^2/NDF: 327899.4/30

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 181.675+/-72.574 χ^2/NDF:5.0/12

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

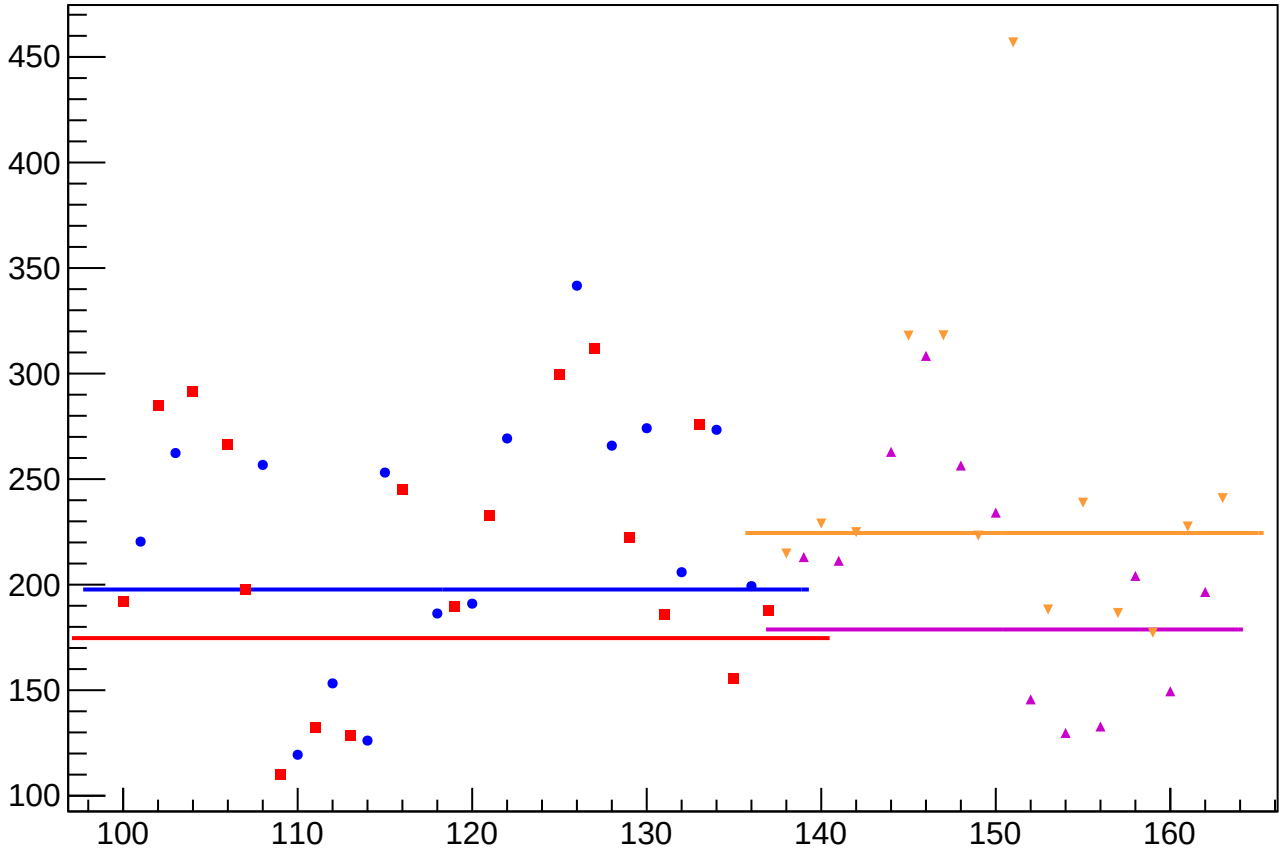
Left In: -153.563+/-59.480 χ^2/NDF:5.1/11

+ sign 76.647+/-53.000 χ^2/NDF: 25.0/28

All: 14.545+/-34.427 χ^2/NDF: 54.1/58

- sign -30.785+/-45.281 χ^2/NDF: 26.7/29

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.470+/-0.051 χ^2/NDF:944538.0/12

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

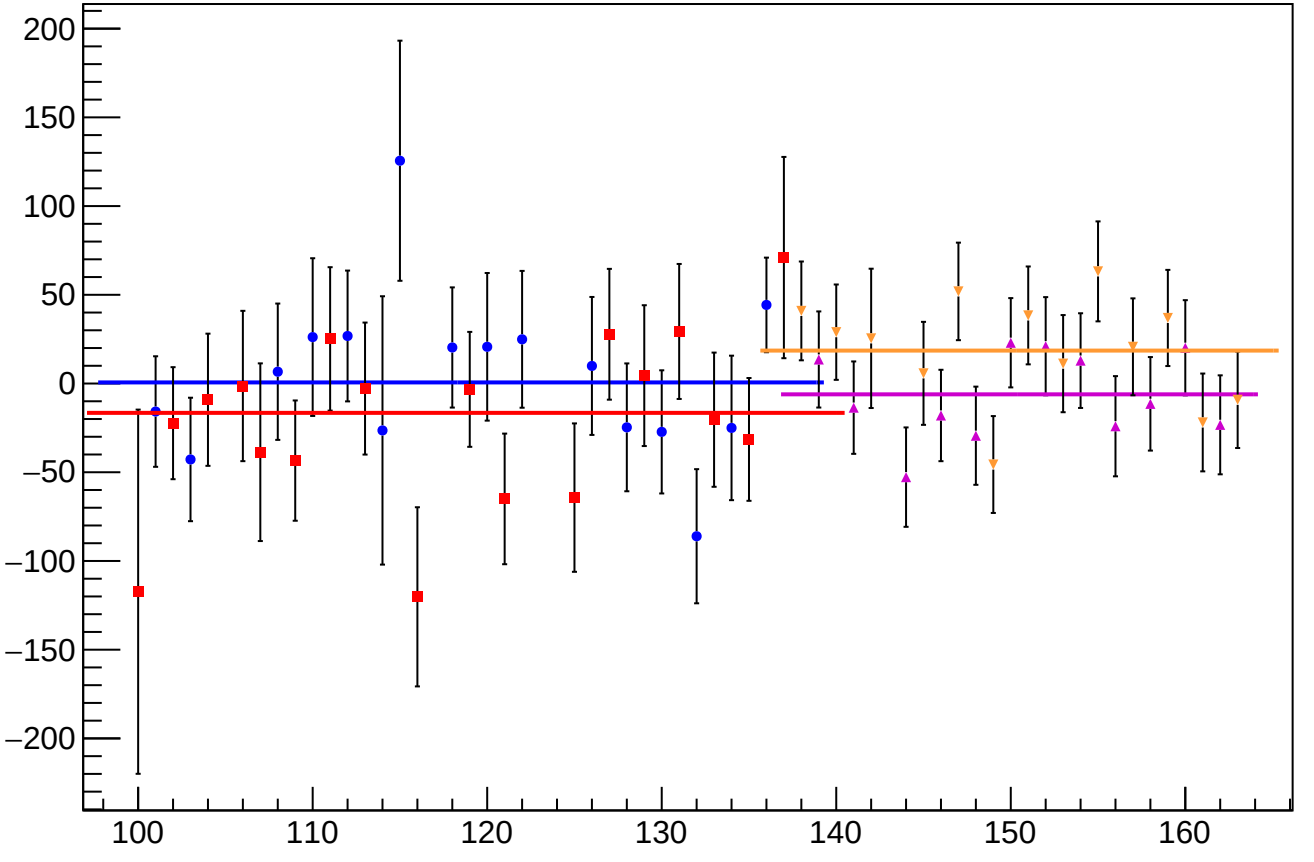
Left In: 178.770+/-0.042 χ^2/NDF:1402920.5/11

+ sign 211.980+/-0.037 χ^2/NDF: 2071781.8/28

All: 191.788+/-0.024 χ^2/NDF: 5515610.1/58

- sign 177.050+/-0.032 χ^2/NDF: 2941649.2/29

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 18.563+/-7.795 χ^2/NDF:14.8/12

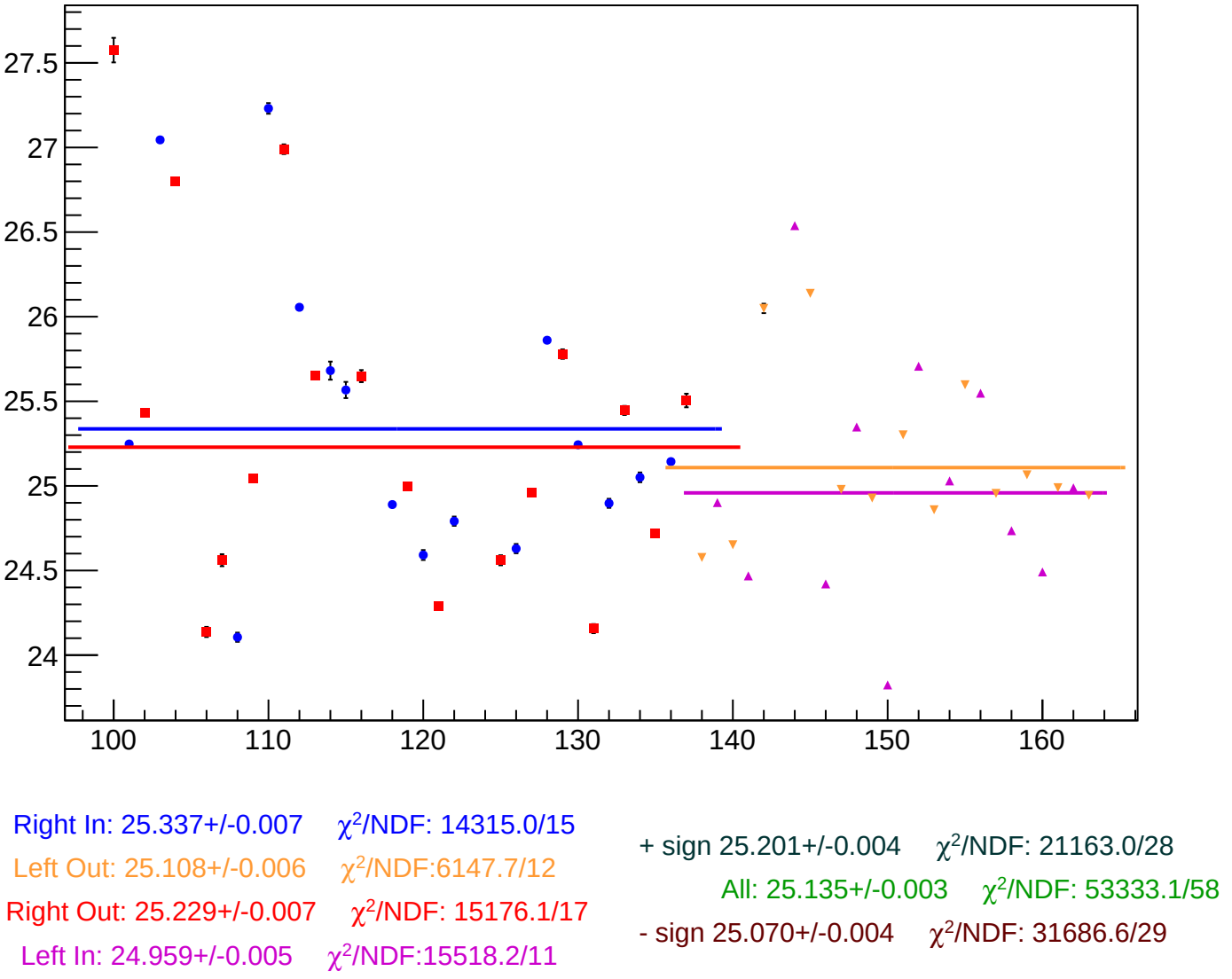
Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: -6.094+/-7.764 χ^2/NDF:8.9/11

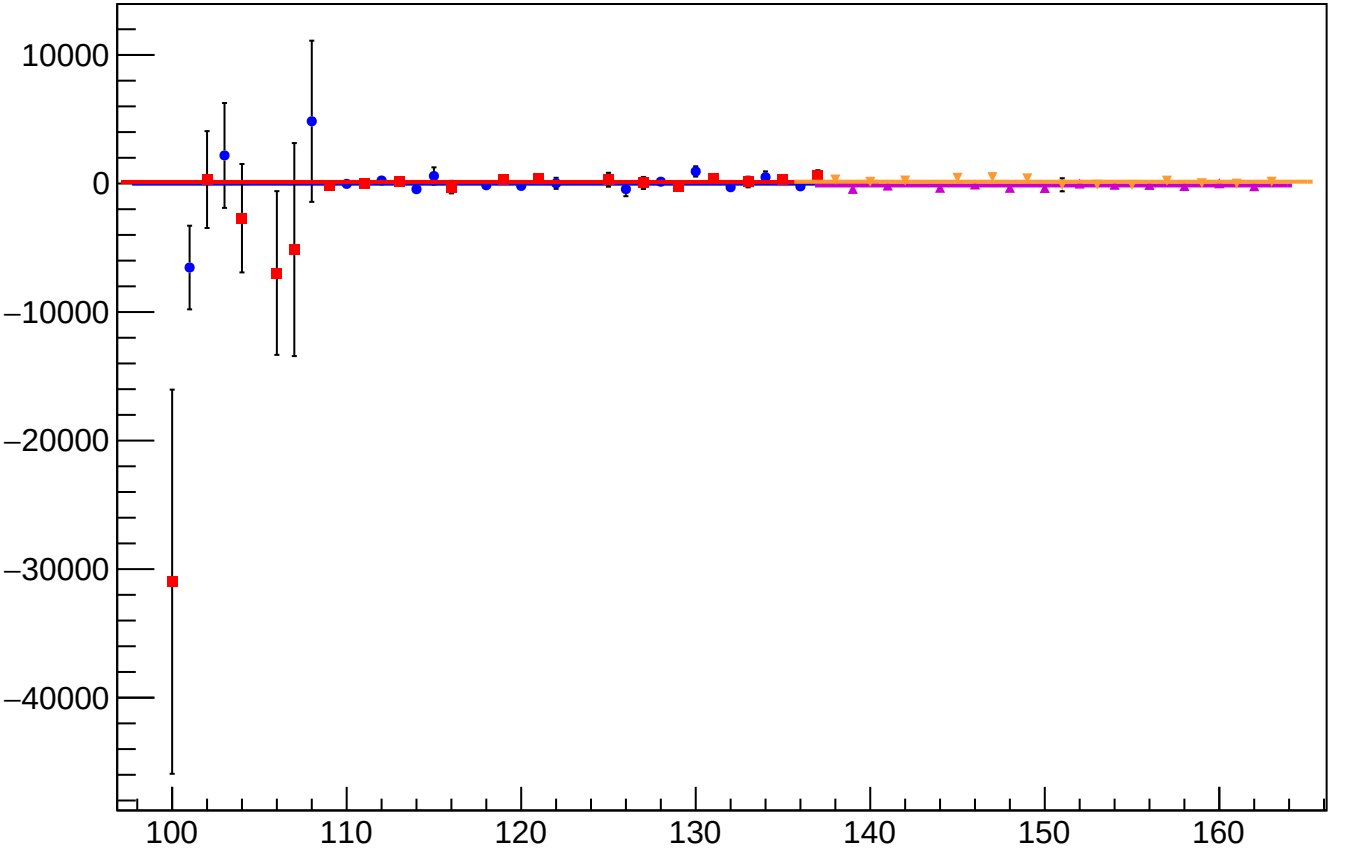
+ sign 11.271+/-6.006 χ^2/NDF: 33.7/28

All: 0.367+/-4.231 χ^2/NDF: 66.2/58

- sign -10.378+/-5.962 χ^2/NDF: 26.0/29


asym_bcm_dg_us_dg_ds_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
100
110
120
130
140
150
160
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.108+/-0.006 χ²/NDF:6147.7/12
Right Out: 25.229+/-0.007 χ²/NDF: 15176.1/17
Left In: 24.959+/-0.005 χ²/NDF:15518.2/11
+ sign 25.201+/-0.004 χ²/NDF: 21163.0/28
All: 25.135+/-0.003 χ²/NDF: 53333.1/58
- sign 25.070+/-0.004 χ²/NDF: 31686.6/29

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 139.445+/-73.458 χ^2/NDF:6.2/12

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

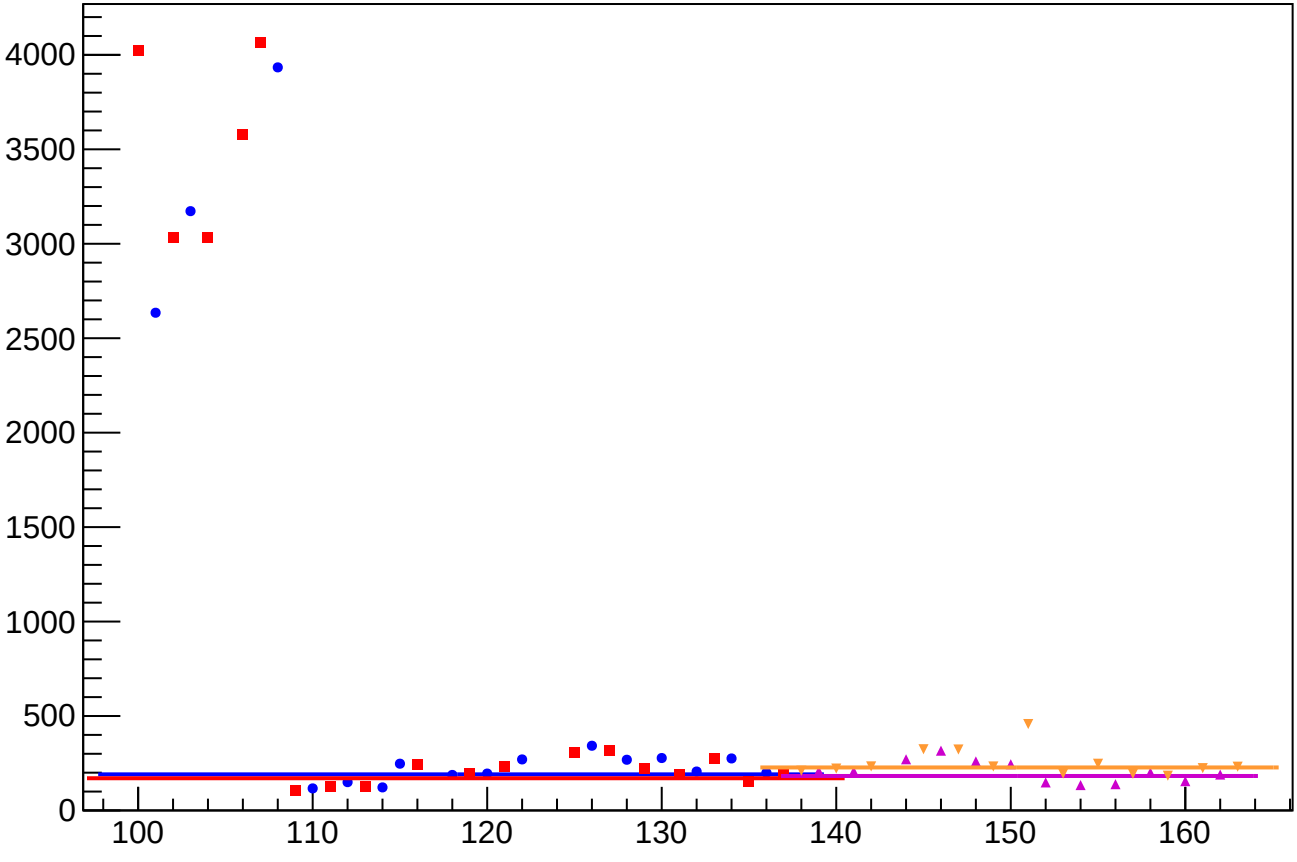
Left In: -151.824+/-60.522 χ^2/NDF:4.6/11

+ sign 73.717+/-55.426 χ^2/NDF: 26.4/28

All: 2.814+/-36.229 χ^2/NDF: 55.7/58

- sign -50.082+/-47.873 χ^2/NDF: 26.5/29

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.662+/-0.052 χ^2/NDF:895298.3/12

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

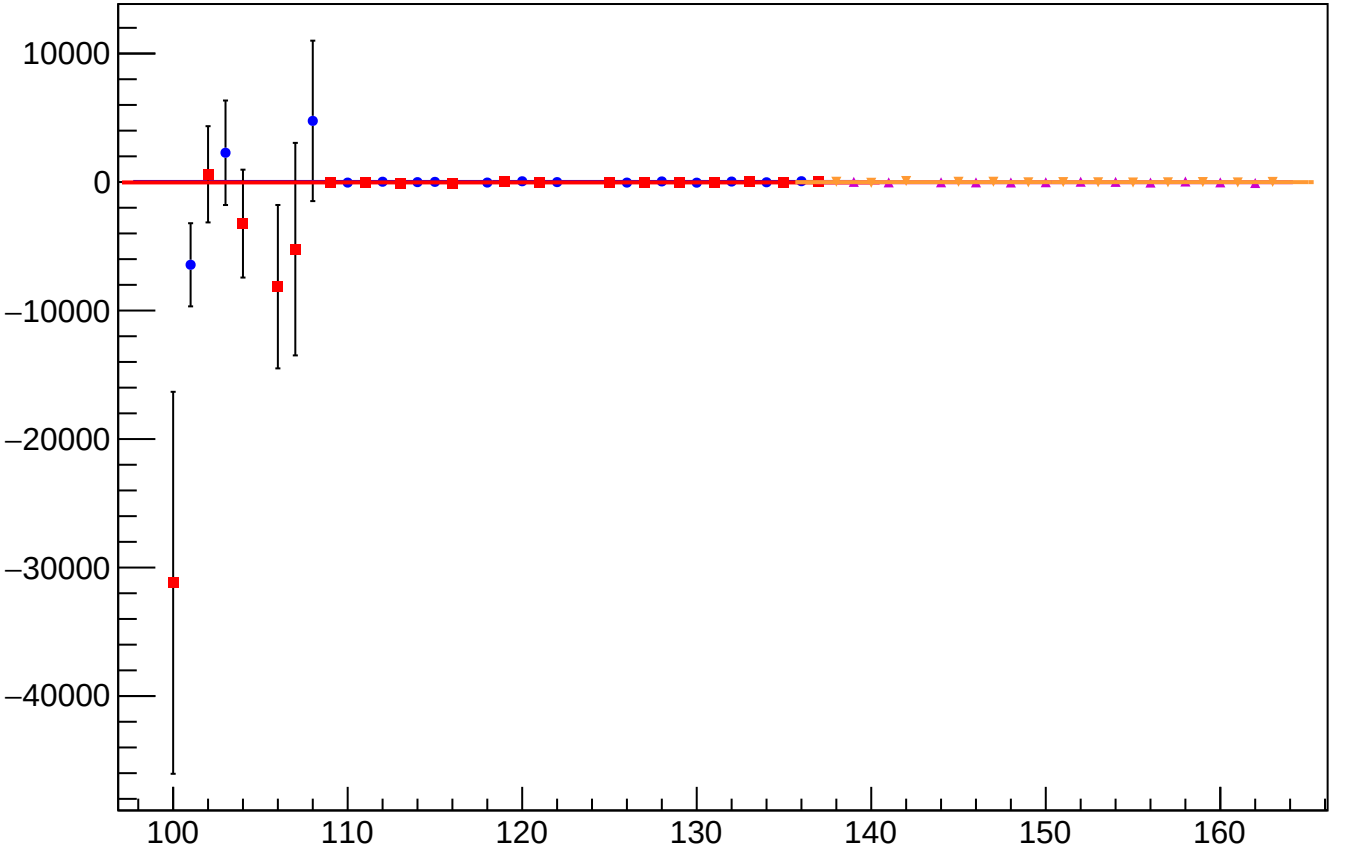
Left In: 182.499+/-0.043 χ^2/NDF:1298314.7/11

+ sign 211.901+/-0.039 χ^2/NDF: 4942996.0/28

All: 192.488+/-0.026 χ^2/NDF: 10953998.8/58

- sign 178.005+/-0.034 χ^2/NDF: 5582594.4/29

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.789+/-9.108 χ^2/NDF:10.6/12

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

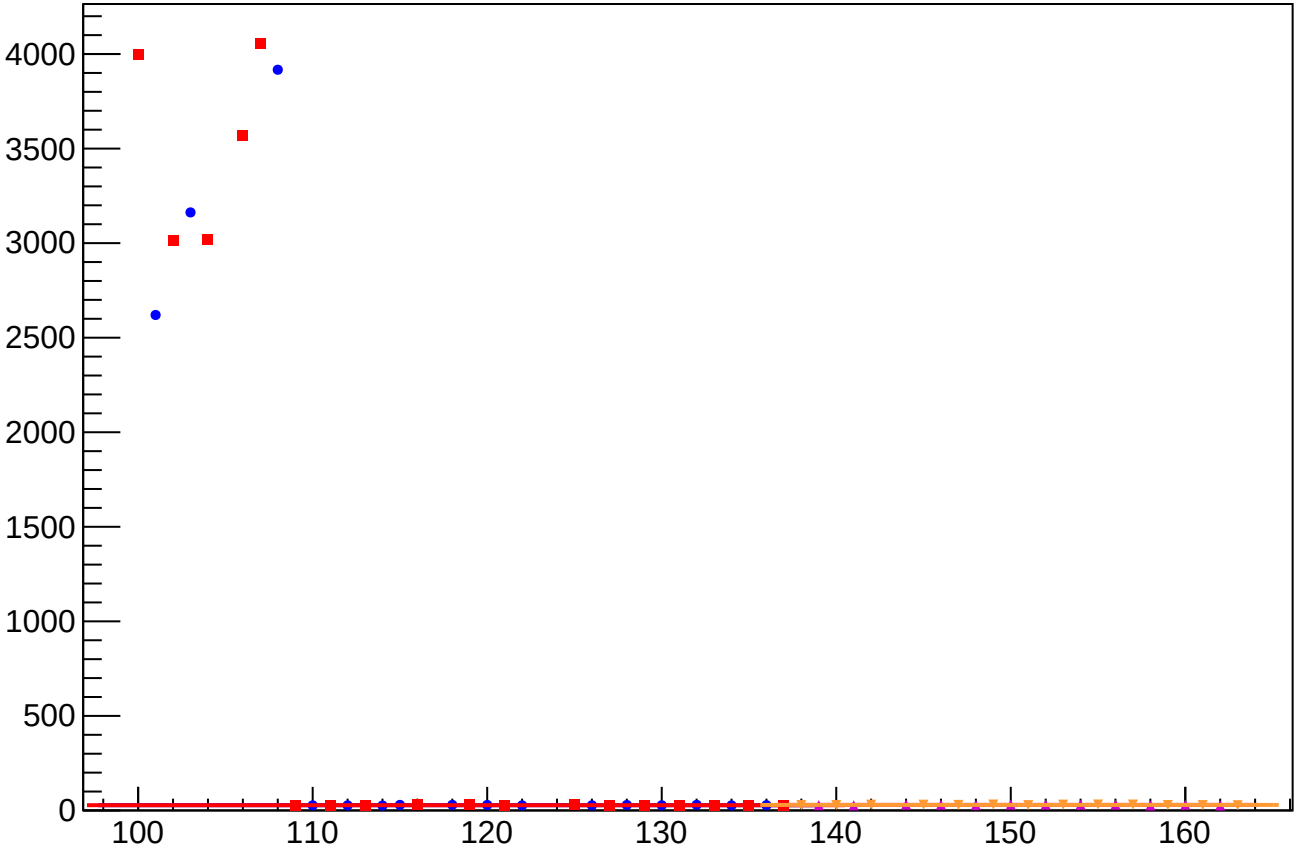
Left In: -11.765+/-9.163 χ^2/NDF:12.1/11

+ sign -2.438+/-7.202 χ^2/NDF: 29.8/28

All: -10.453+/-5.127 χ^2/NDF: 65.9/58

- sign -18.692+/-7.301 χ^2/NDF: 33.6/29

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.288+/-0.006 χ^2/NDF:41916.2/12

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

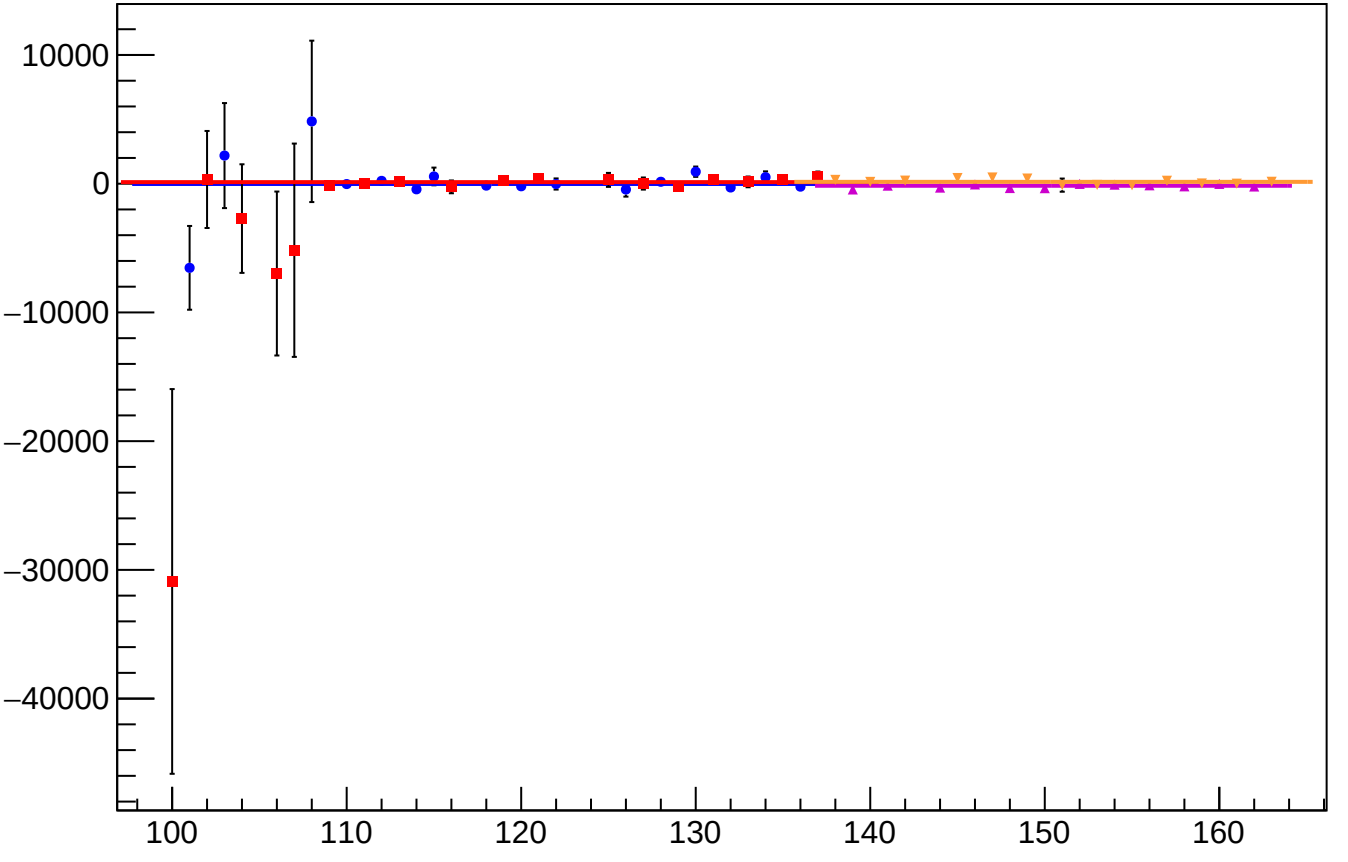
Left In: 29.371+/-0.006 χ^2/NDF:85215.1/11

+ sign 28.740+/-0.005 χ^2/NDF: 3327160.5/28

All: 28.764+/-0.004 χ^2/NDF: 6992892.8/58

- sign 28.790+/-0.005 χ^2/NDF: 3665684.8/29

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 143.517+/-74.010 χ^2/NDF:6.1/12

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

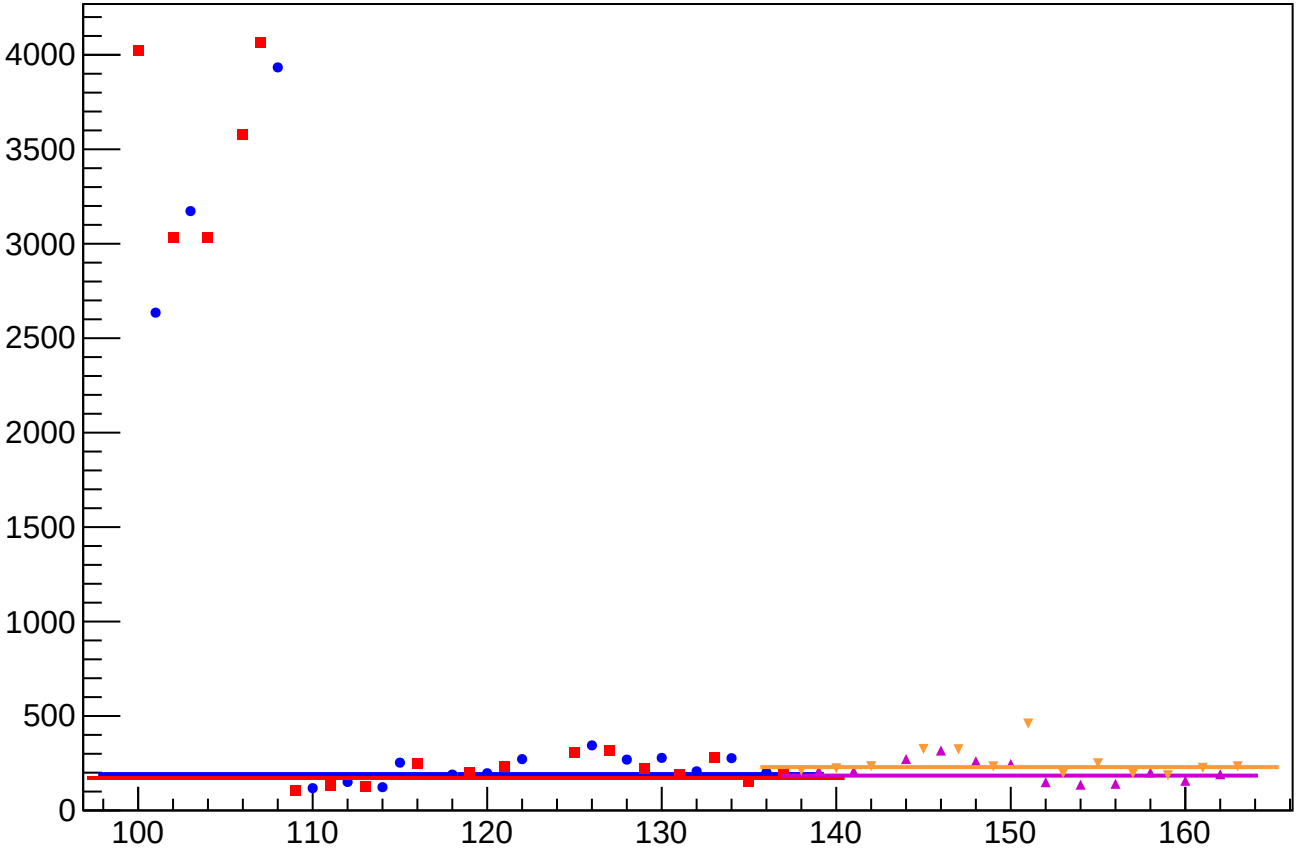
Left In: -159.039+/-61.109 χ^2/NDF:4.4/11

+ sign 73.272+/-55.834 χ^2/NDF: 26.4/28

All: 0.622+/-36.529 χ^2/NDF: 54.9/58

- sign -53.742+/-48.300 χ^2/NDF: 25.6/29

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.492+/-0.052 χ^2/NDF:881597.0/12

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

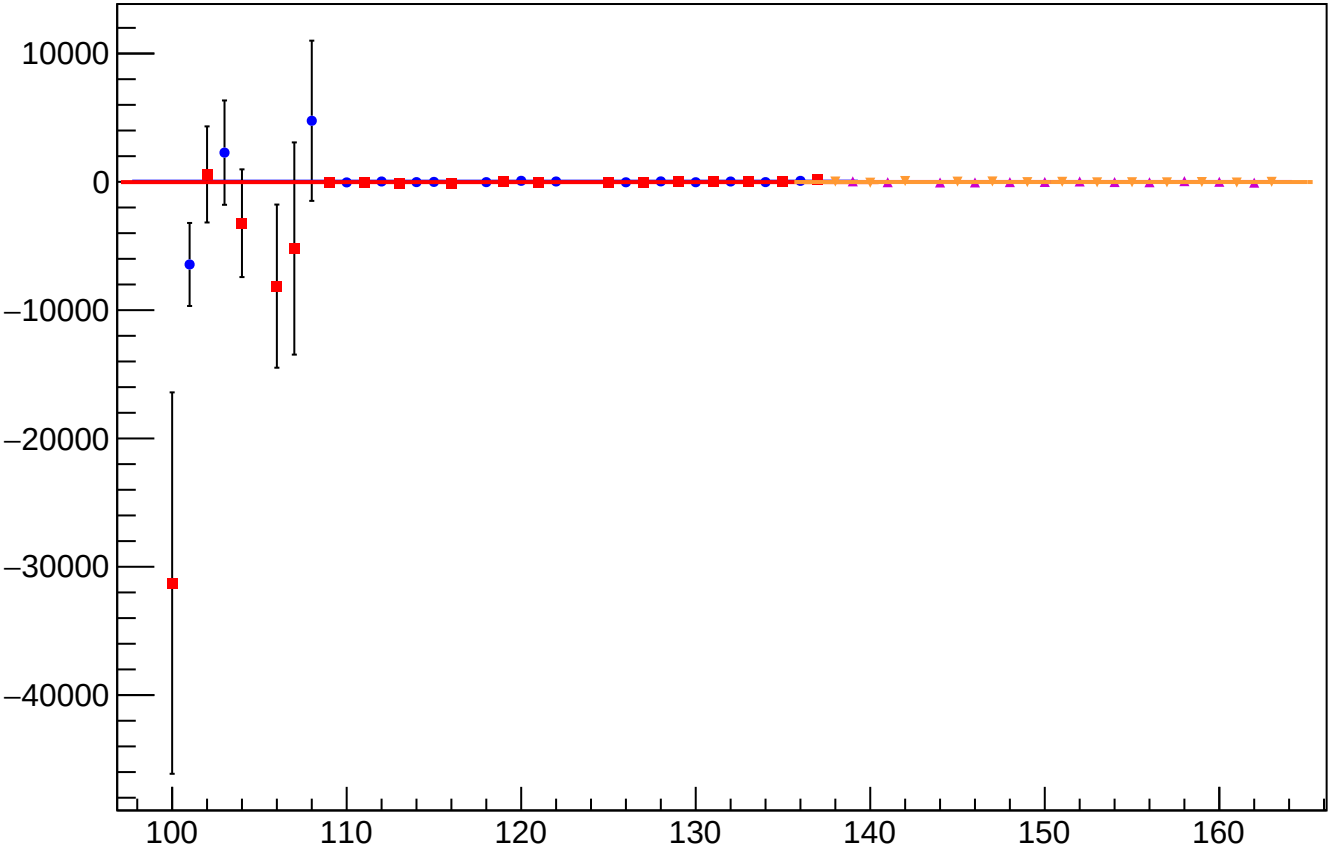
Left In: 184.490+/-0.043 χ^2/NDF:1259588.0/11

+ sign 213.580+/-0.039 χ^2/NDF: 4918965.2/28

All: 194.239+/-0.026 χ^2/NDF: 10877812.3/58

- sign 179.765+/-0.034 χ^2/NDF: 5539256.3/29

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.941+/-9.734 χ^2/NDF:11.4/12

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

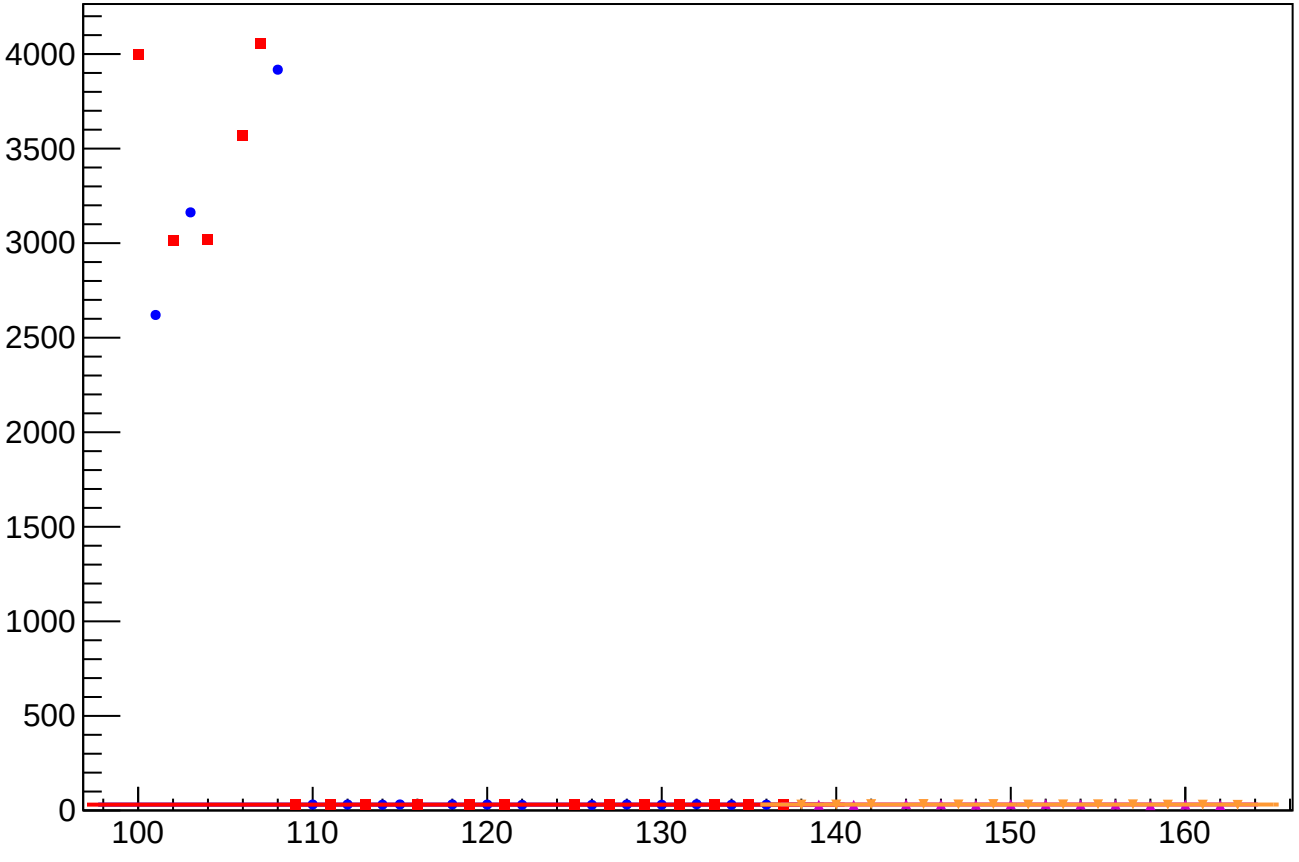
Left In: -9.027+/-9.820 χ^2/NDF:13.7/11

+ sign -4.711+/-7.805 χ^2/NDF: 30.0/28

All: -9.060+/-5.558 χ^2/NDF: 73.2/58

- sign -13.534+/-7.917 χ^2/NDF: 42.6/29

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.317+/-0.007 χ^2/NDF:32122.4/12

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

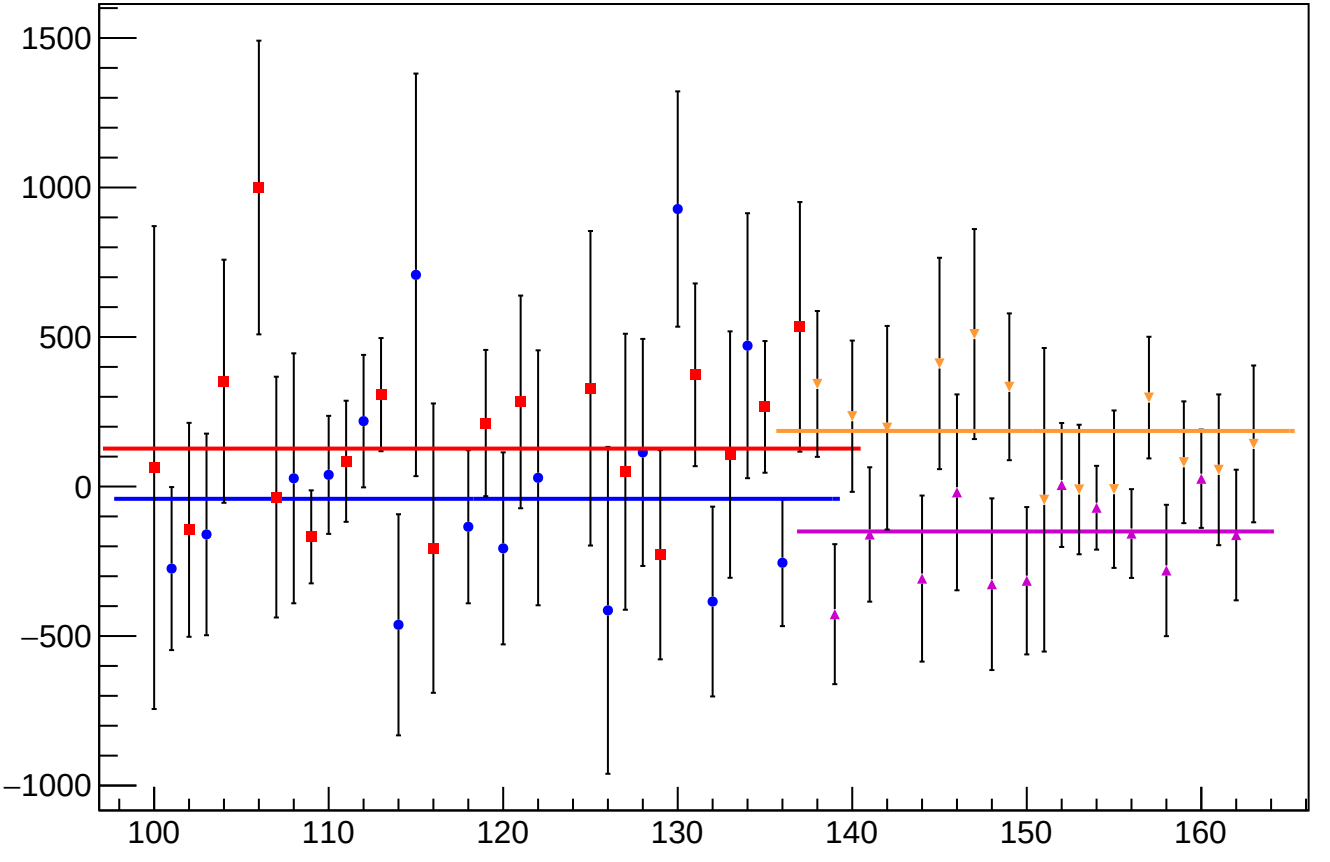
Left In: 31.496+/-0.007 χ^2/NDF:63465.9/11

+ sign 31.178+/-0.006 χ^2/NDF: 3285866.2/28

All: 31.215+/-0.004 χ^2/NDF: 6888854.9/58

- sign 31.254+/-0.006 χ^2/NDF: 3602896.4/29

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 185.911+/-72.180 χ^2/NDF:4.5/12

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

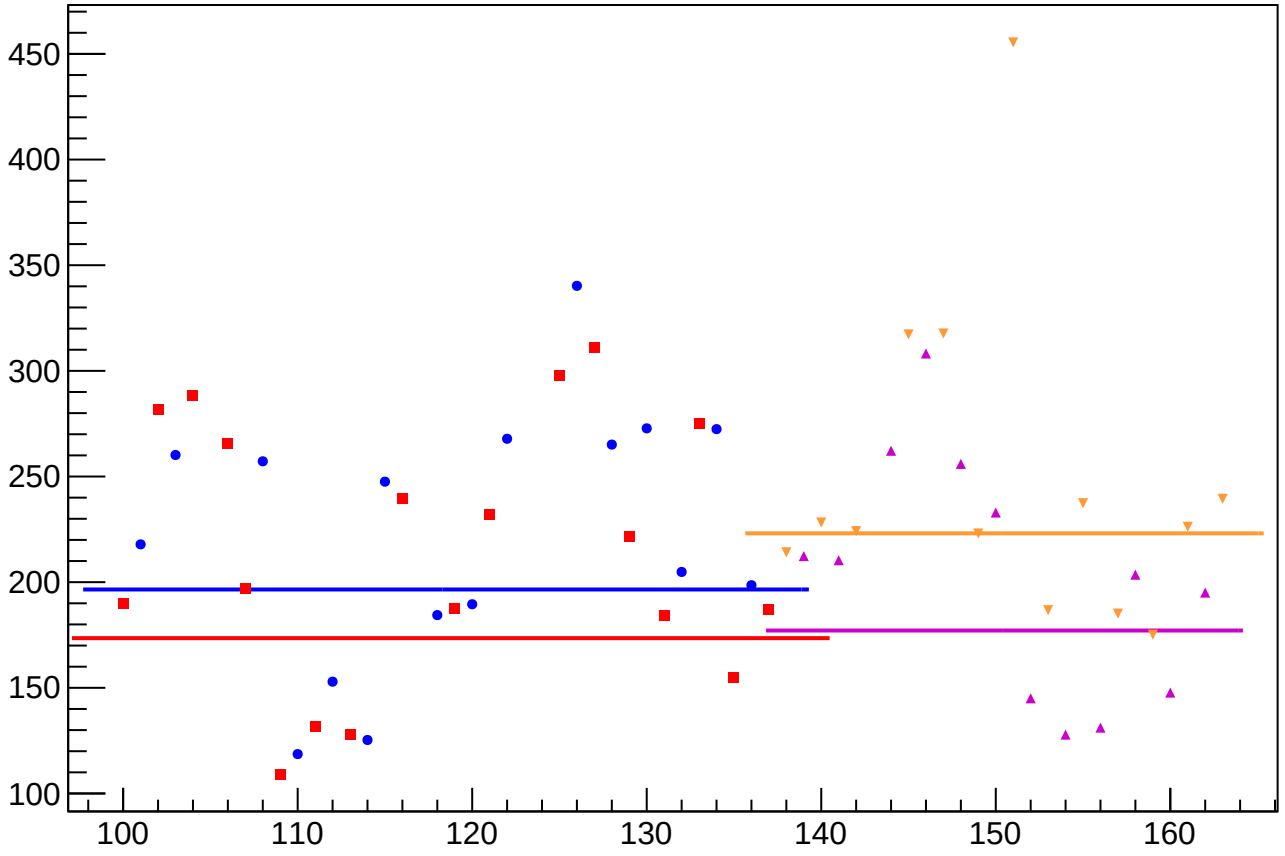
Left In: -150.325+/-59.008 χ^2/NDF:5.1/11

+ sign 79.929+/-52.705 χ^2/NDF: 24.7/28

All: 13.991+/-34.201 χ^2/NDF: 54.6/58

- sign -33.970+/-44.950 χ^2/NDF: 27.1/29

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.116+/-0.051 χ^2/NDF:960385.6/12

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

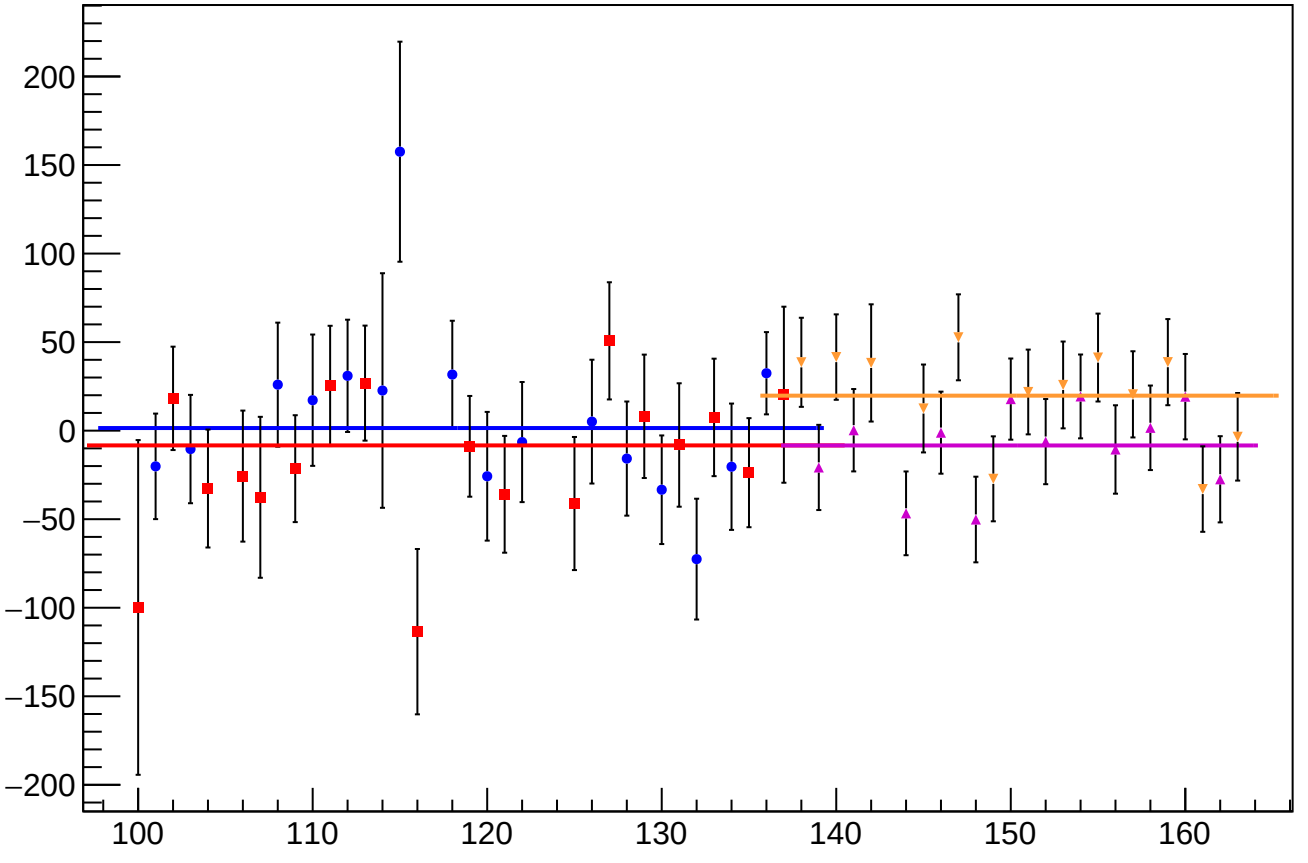
Left In: 177.125+/-0.042 χ^2/NDF:1443816.2/11

+ sign 210.711+/-0.037 χ^2/NDF: 2087705.3/28

All: 190.389+/-0.024 χ^2/NDF: 5581011.6/58

- sign 175.607+/-0.032 χ^2/NDF: 2979687.9/29

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 19.762+/-6.895 χ^2/NDF:14.5/12

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

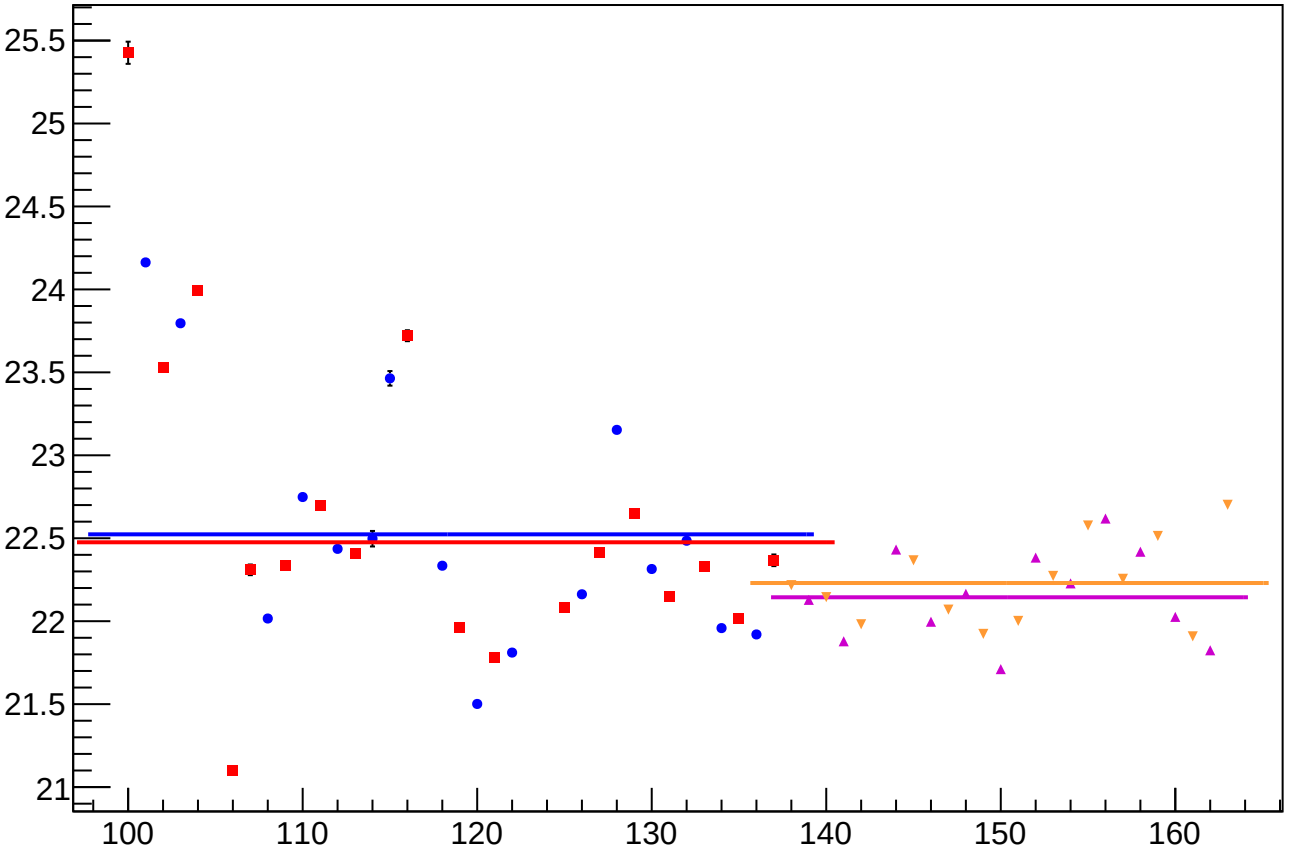
Left In: -8.366+/-6.880 χ^2/NDF:10.9/11

+ sign 12.370+/-5.322 χ^2/NDF: 36.0/28

All: 1.954+/-3.753 χ^2/NDF: 70.6/58

- sign -8.351+/-5.293 χ^2/NDF: 26.9/29

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.230+/-0.005 χ^2/NDF:2548.1/12

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

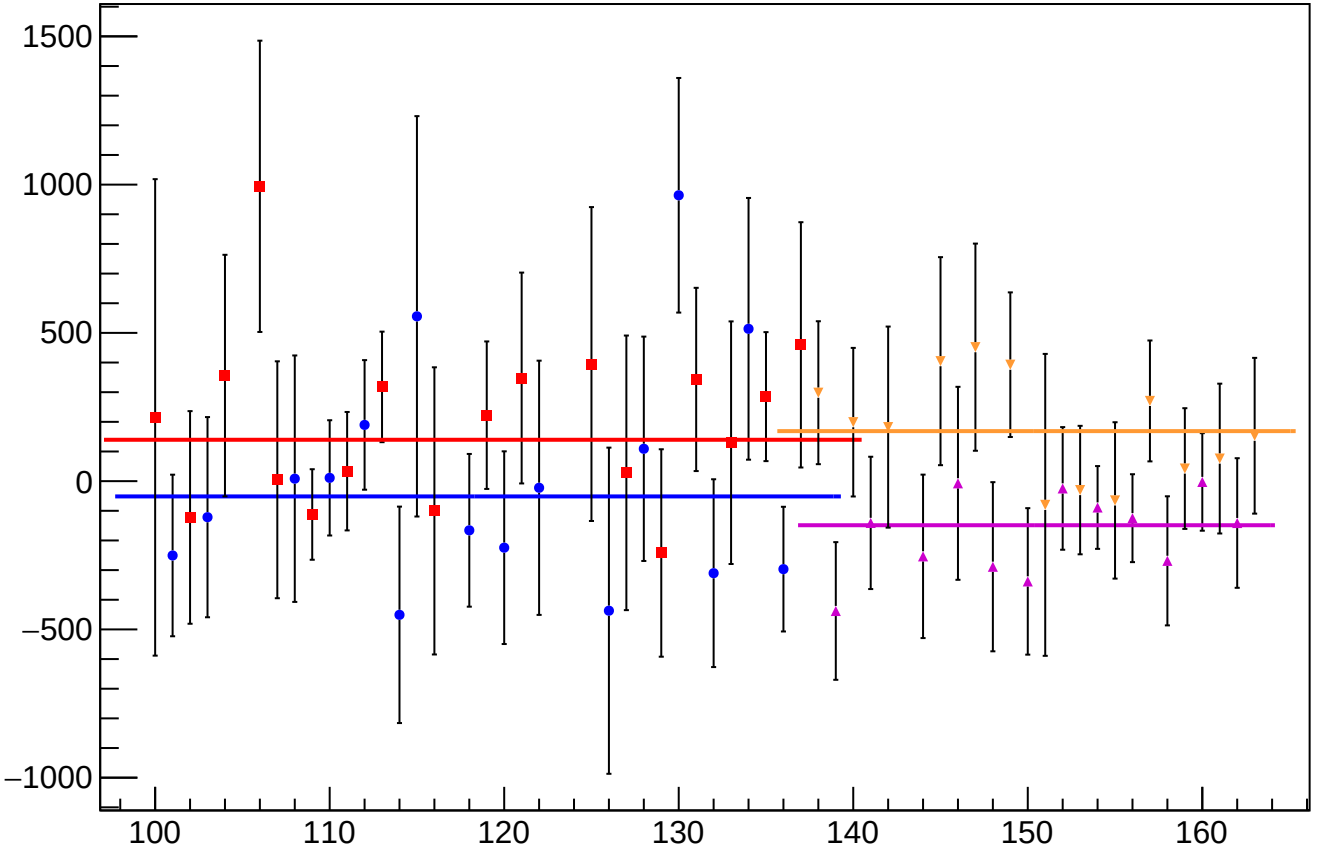
Left In: 22.144+/-0.005 χ^2/NDF:2957.1/11

+ sign 22.349+/-0.004 χ^2/NDF: 19959.6/28

All: 22.314+/-0.003 χ^2/NDF: 40519.0/58

- sign 22.279+/-0.004 χ^2/NDF: 20388.7/29

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 168.714+/-72.000 χ^2/NDF:4.9/12

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

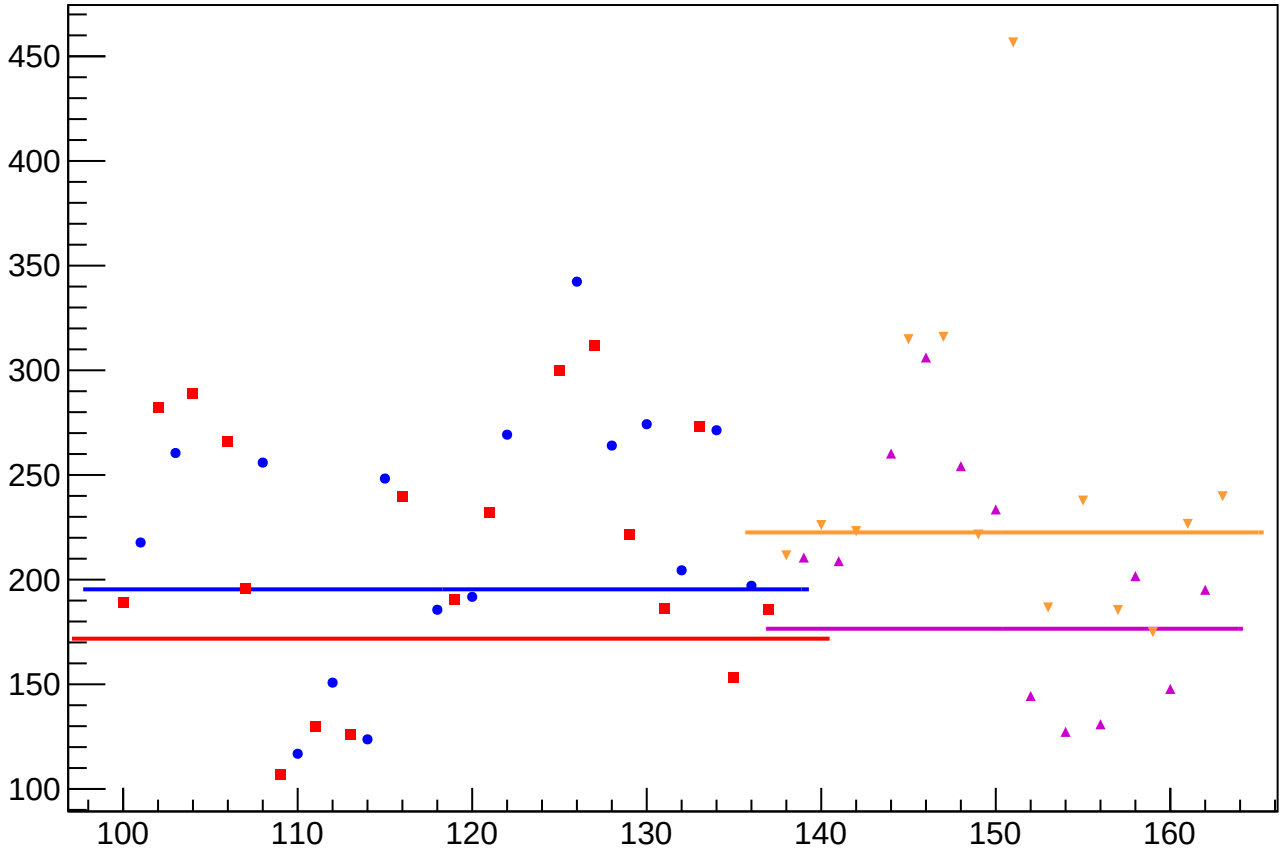
Left In: -148.666+/-58.808 χ^2/NDF:4.4/11

+ sign 65.705+/-52.526 χ^2/NDF: 24.6/28

All: 11.867+/-34.054 χ^2/NDF: 52.5/58

- sign -27.170+/-44.727 χ^2/NDF: 26.1/29

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.559+/-0.051 χ^2/NDF:955030.3/12

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

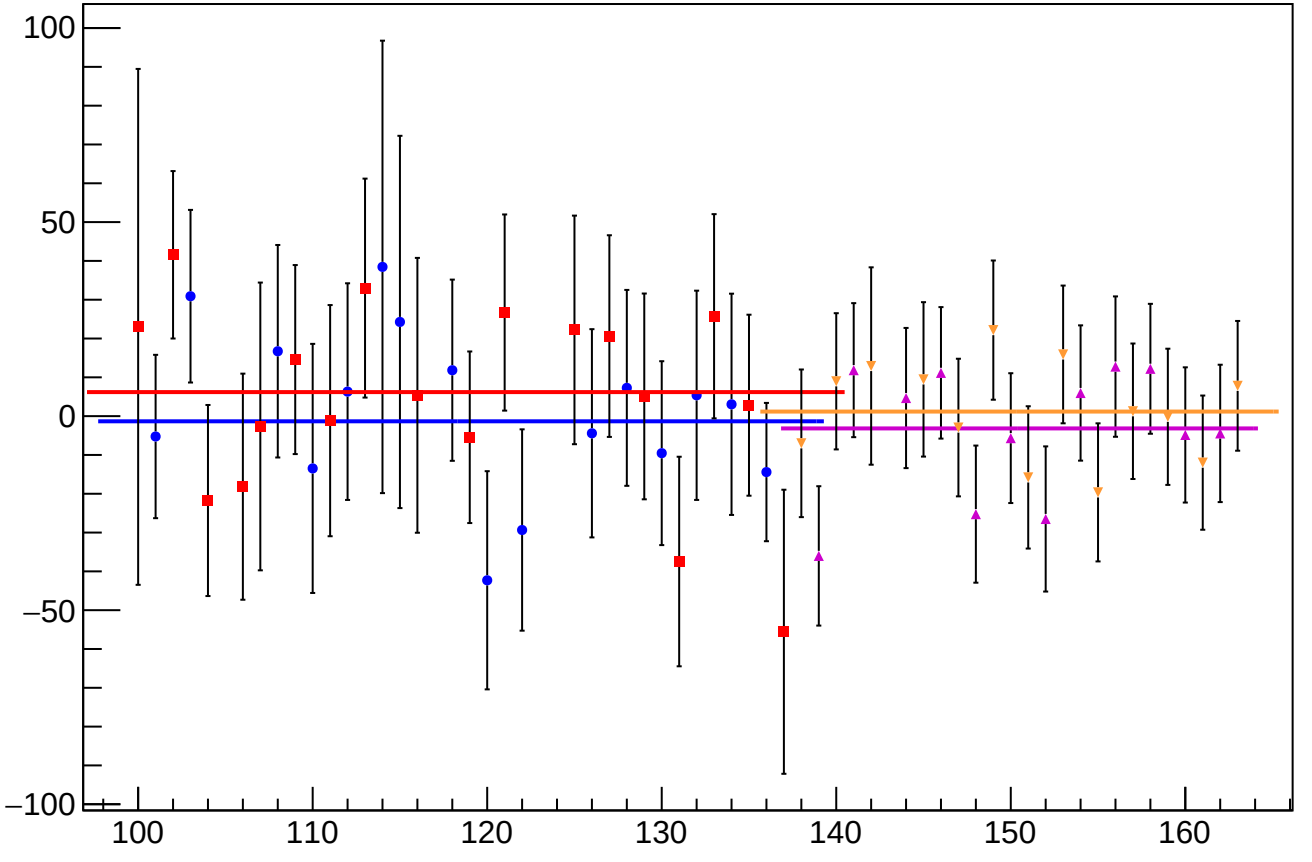
Left In: 176.537+/-0.042 χ^2/NDF:1430269.6/11

+ sign 209.836+/-0.037 χ^2/NDF: 2129965.9/28

All: 189.377+/-0.024 χ^2/NDF: 5689797.6/58

- sign 174.542+/-0.032 χ^2/NDF: 3036392.8/29

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.179+/-5.055 χ^2/NDF:5.8/12

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

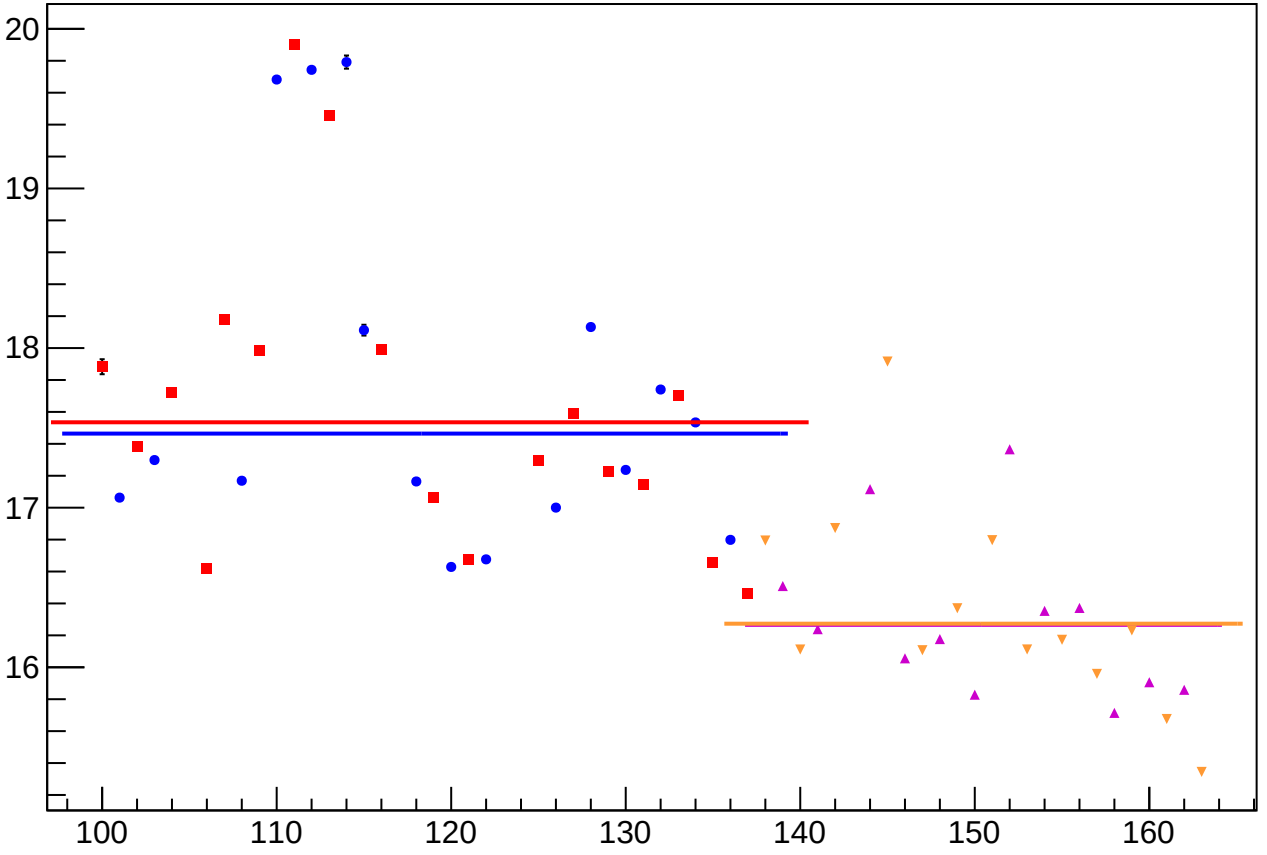
Left In: -3.166+/-5.061 χ^2/NDF:10.1/11

+ sign 0.233+/-3.990 χ^2/NDF: 14.0/28

All: 0.309+/-2.820 χ^2/NDF: 38.8/58

- sign 0.385+/-3.987 χ^2/NDF: 24.8/29

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.273+/-0.004 χ^2/NDF:27723.8/12

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

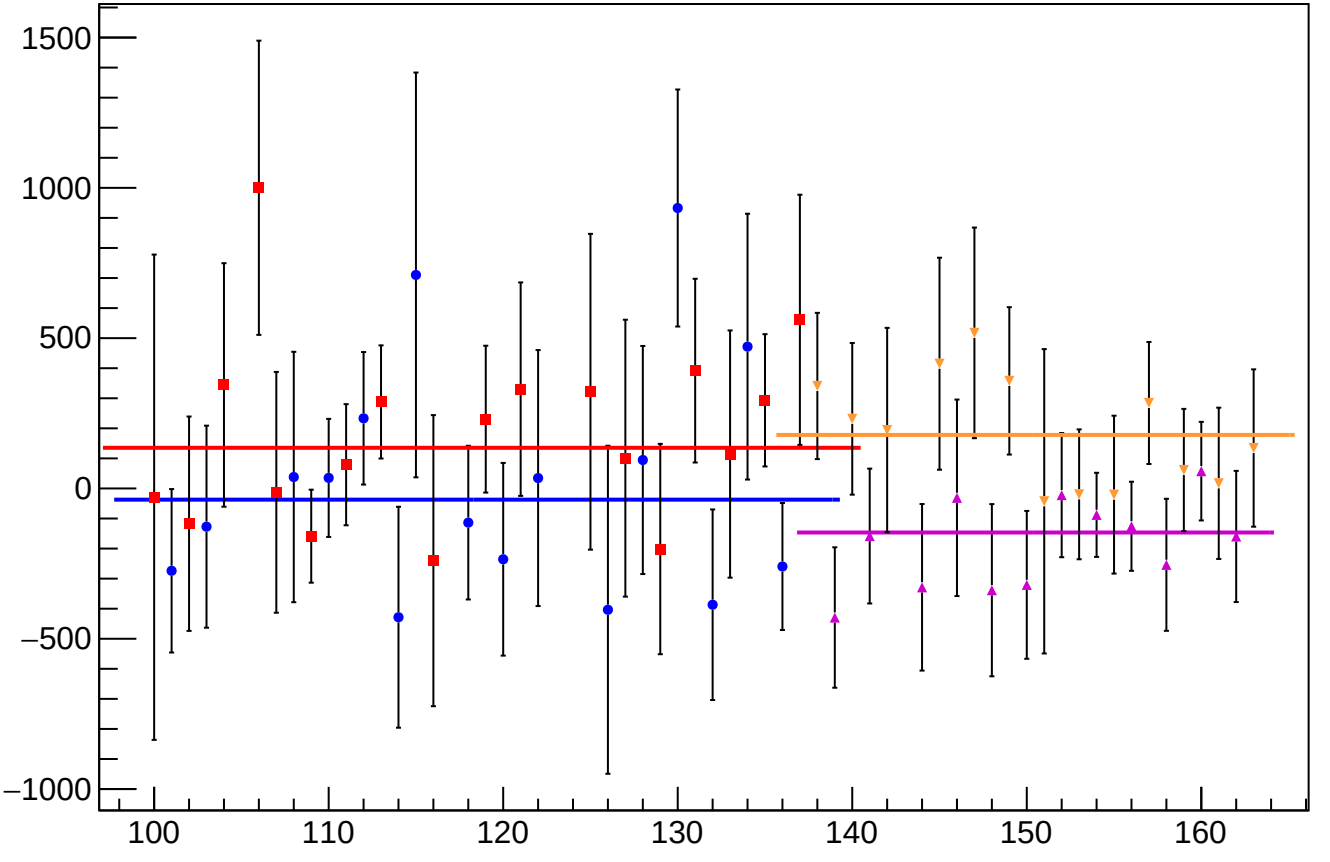
Left In: 16.266+/-0.004 χ^2/NDF:17645.0/11

+ sign 16.722+/-0.003 χ^2/NDF: 106231.4/28

All: 16.735+/-0.002 χ^2/NDF: 206120.6/58

- sign 16.747+/-0.003 χ^2/NDF: 99849.4/29

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 178.083+/-72.018 χ^2/NDF:5.1/12

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

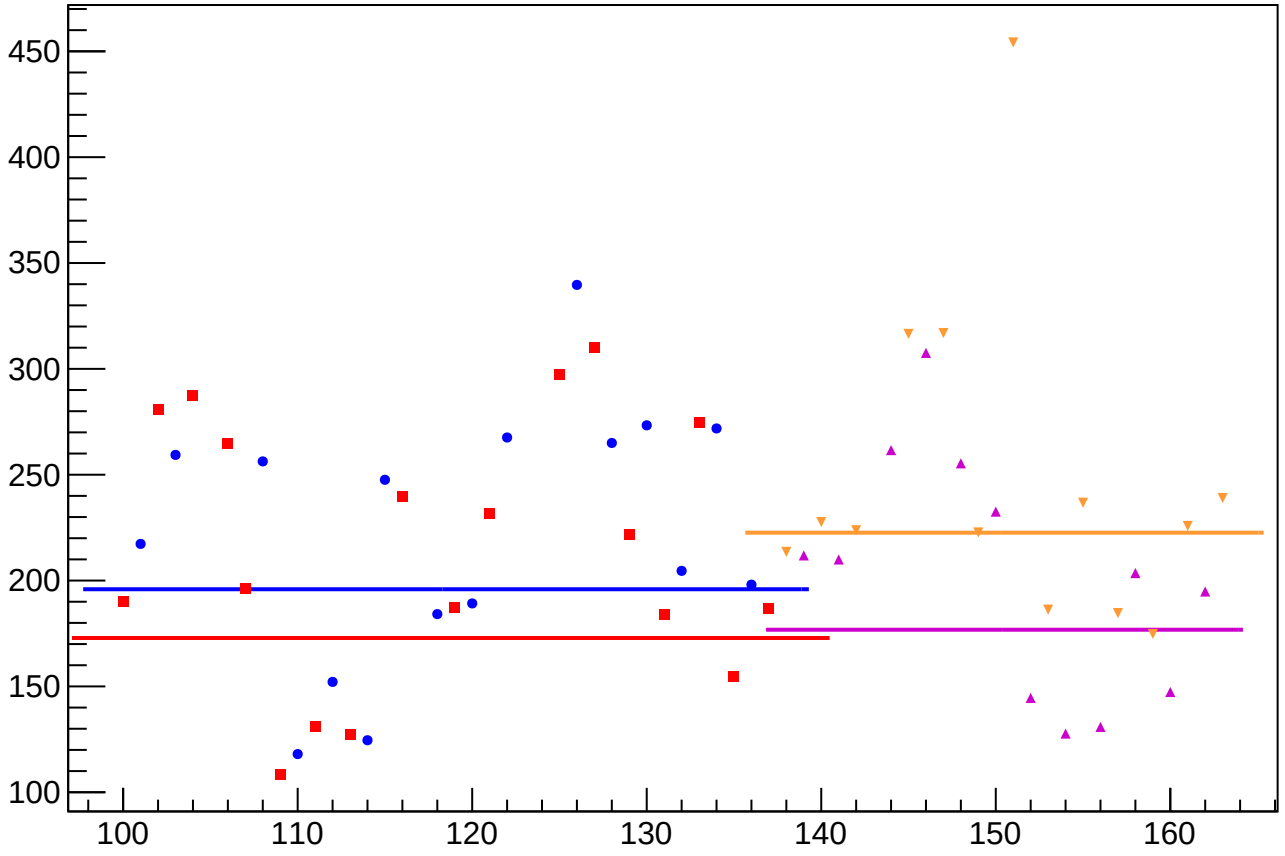
Left In: -146.499+/-58.892 χ^2/NDF:5.3/11

+ sign 77.493+/-52.571 χ^2/NDF: 24.9/28

All: 16.392+/-34.115 χ^2/NDF: 55.0/58

- sign -28.055+/-44.838 χ^2/NDF: 27.8/29

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.617+/-0.051 χ^2/NDF:960248.6/12

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

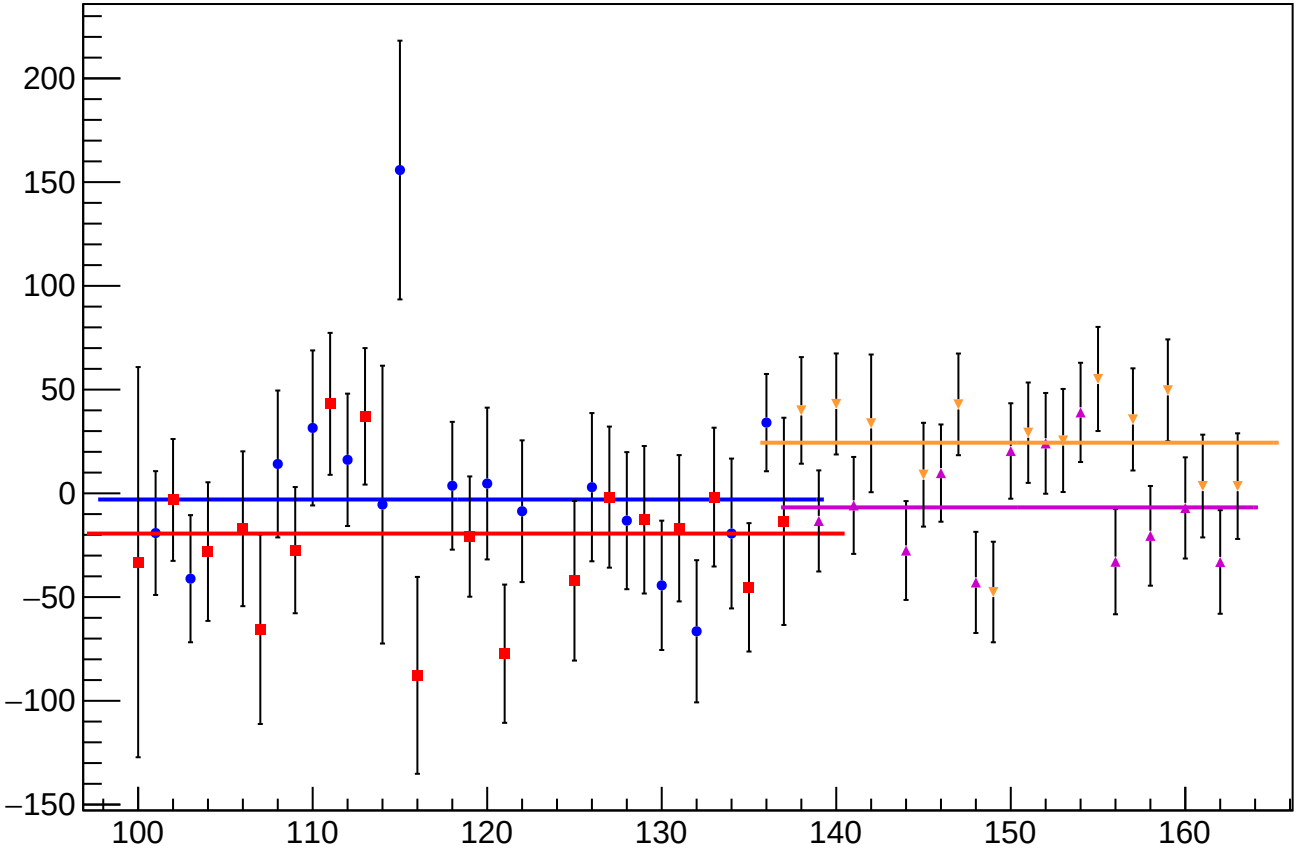
Left In: 176.778+/-0.042 χ^2/NDF:1444269.9/11

+ sign 210.136+/-0.037 χ^2/NDF: 2099851.6/28

All: 189.875+/-0.024 χ^2/NDF: 5604246.4/58

- sign 175.137+/-0.032 χ^2/NDF: 2991225.4/29

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.408+/-6.988 χ^2/NDF:15.0/12

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

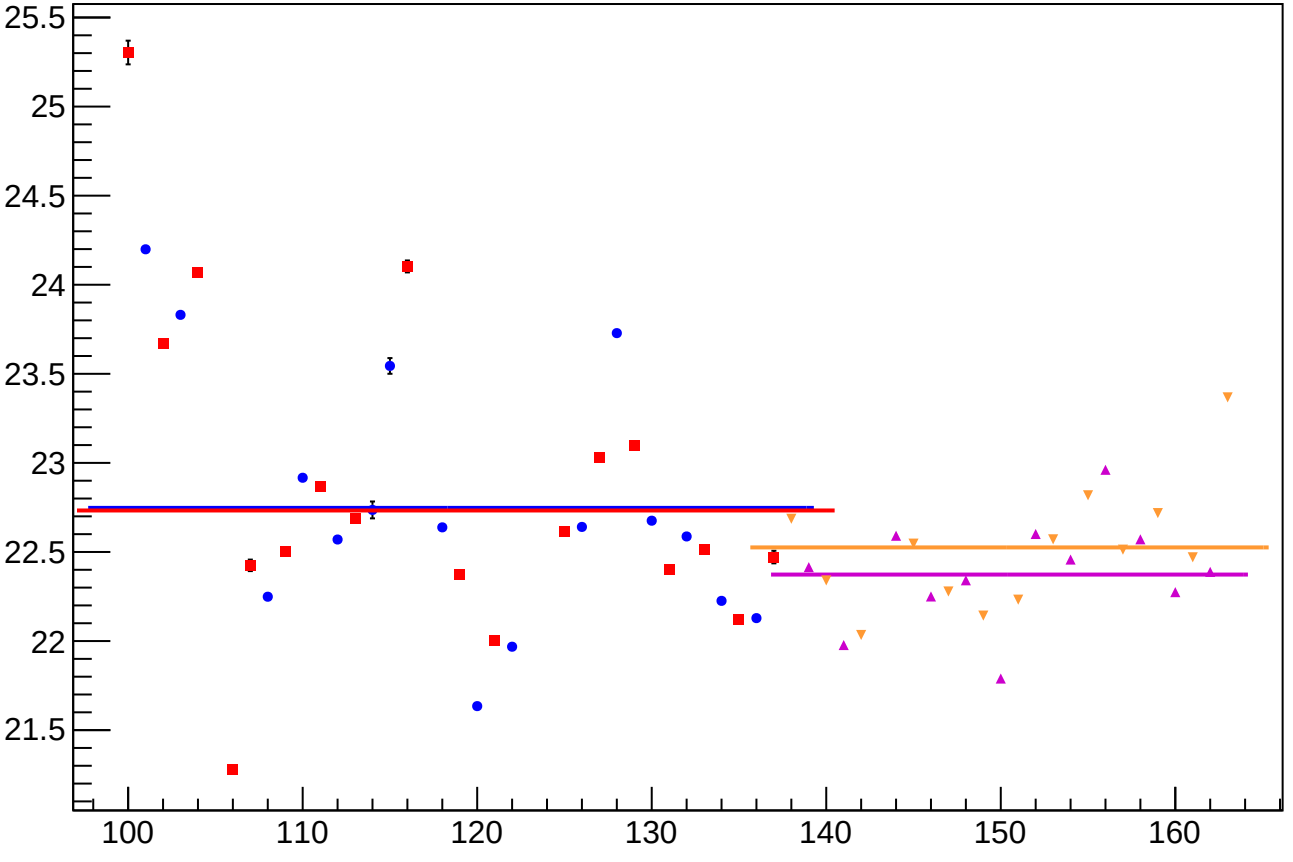
Left In: -6.773+/-6.952 χ^2/NDF:12.7/11

+ sign 13.296+/-5.386 χ^2/NDF: 39.1/28

All: 0.608+/-3.796 χ^2/NDF: 78.7/58

- sign -11.915+/-5.351 χ^2/NDF: 28.6/29

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.526+/-0.005 χ^2/NDF:4231.7/12

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

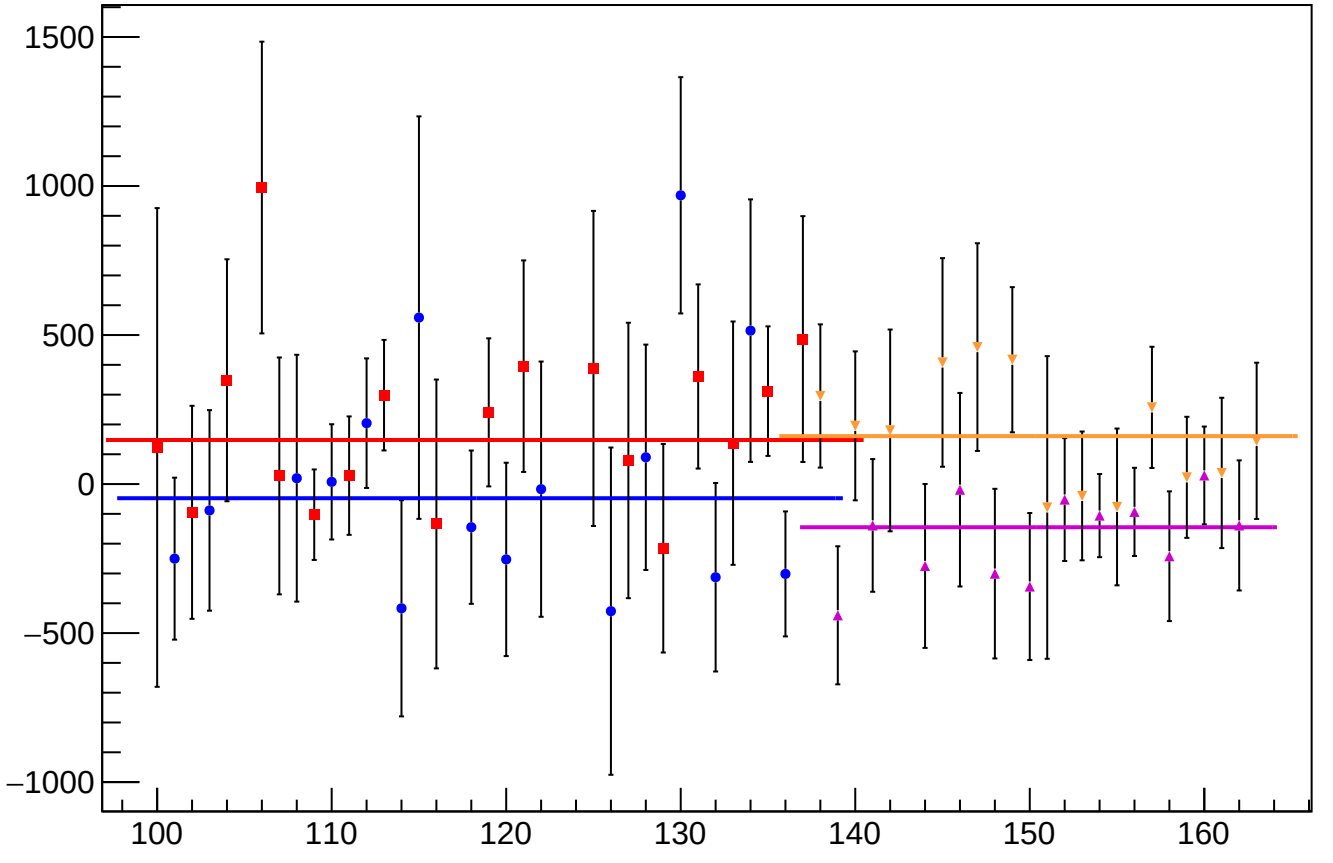
Left In: 22.373+/-0.005 χ^2/NDF:3539.3/11

+ sign 22.616+/-0.004 χ^2/NDF: 19673.1/28

All: 22.567+/-0.003 χ^2/NDF: 40103.4/58

- sign 22.520+/-0.004 χ^2/NDF: 20111.7/29

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 160.812+/-71.838 χ^2/NDF:5.5/12

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

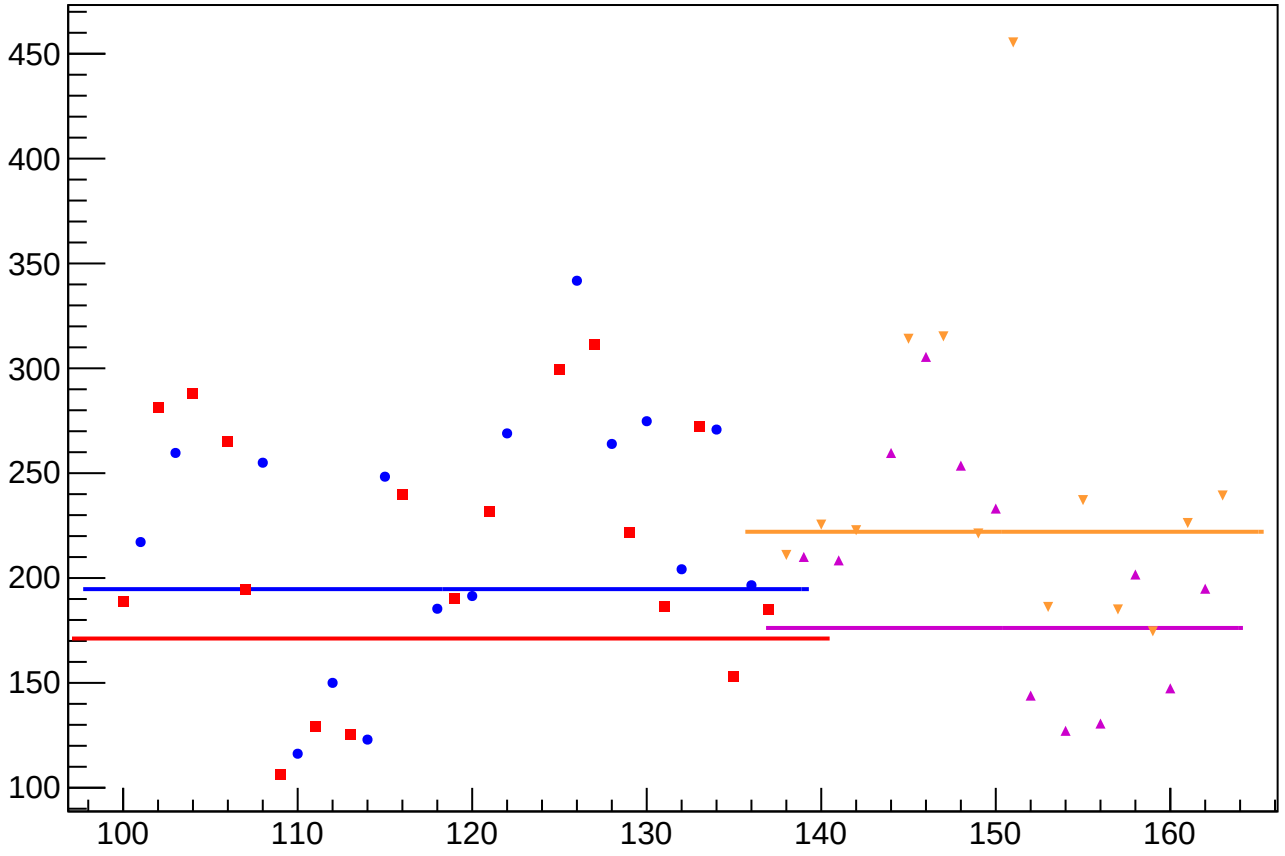
Left In: -144.933+/-58.693 χ^2/NDF:4.7/11

\+ sign 63.283+/-52.390 χ^2/NDF: 24.8/28

All: 14.235+/-33.967 χ^2/NDF: 53.1/58

\- sign -21.332+/-44.614 χ^2/NDF: 26.7/29

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.062+/-0.051 χ^2/NDF:954894.0/12

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

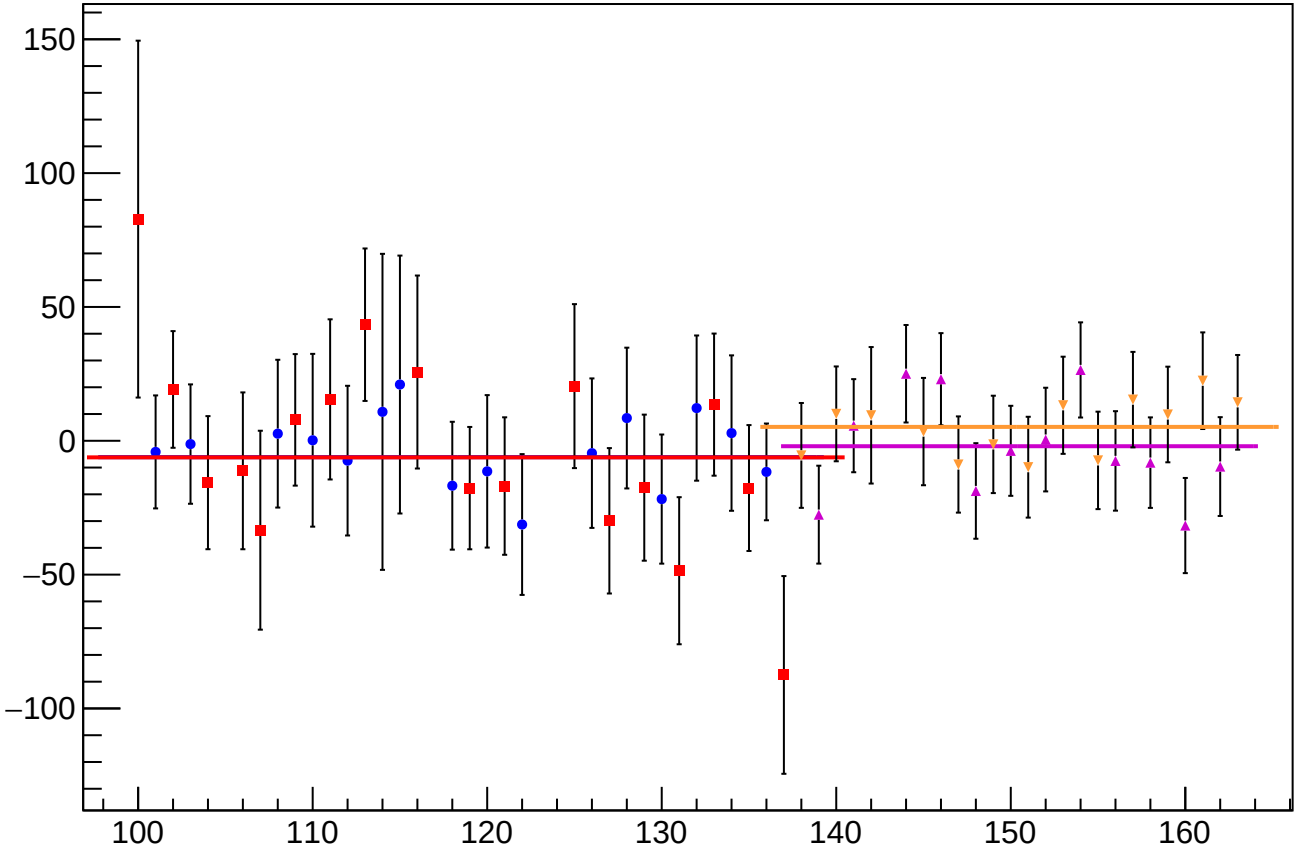
Left In: 176.193+/-0.042 χ^2/NDF:1430603.6/11

+ sign 209.256+/-0.037 χ^2/NDF: 2142930.3/28

All: 188.858+/-0.024 χ^2/NDF: 5714728.0/58

- sign 174.066+/-0.032 χ^2/NDF: 3048757.2/29

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.191+/-5.174 χ^2/NDF:4.0/12

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

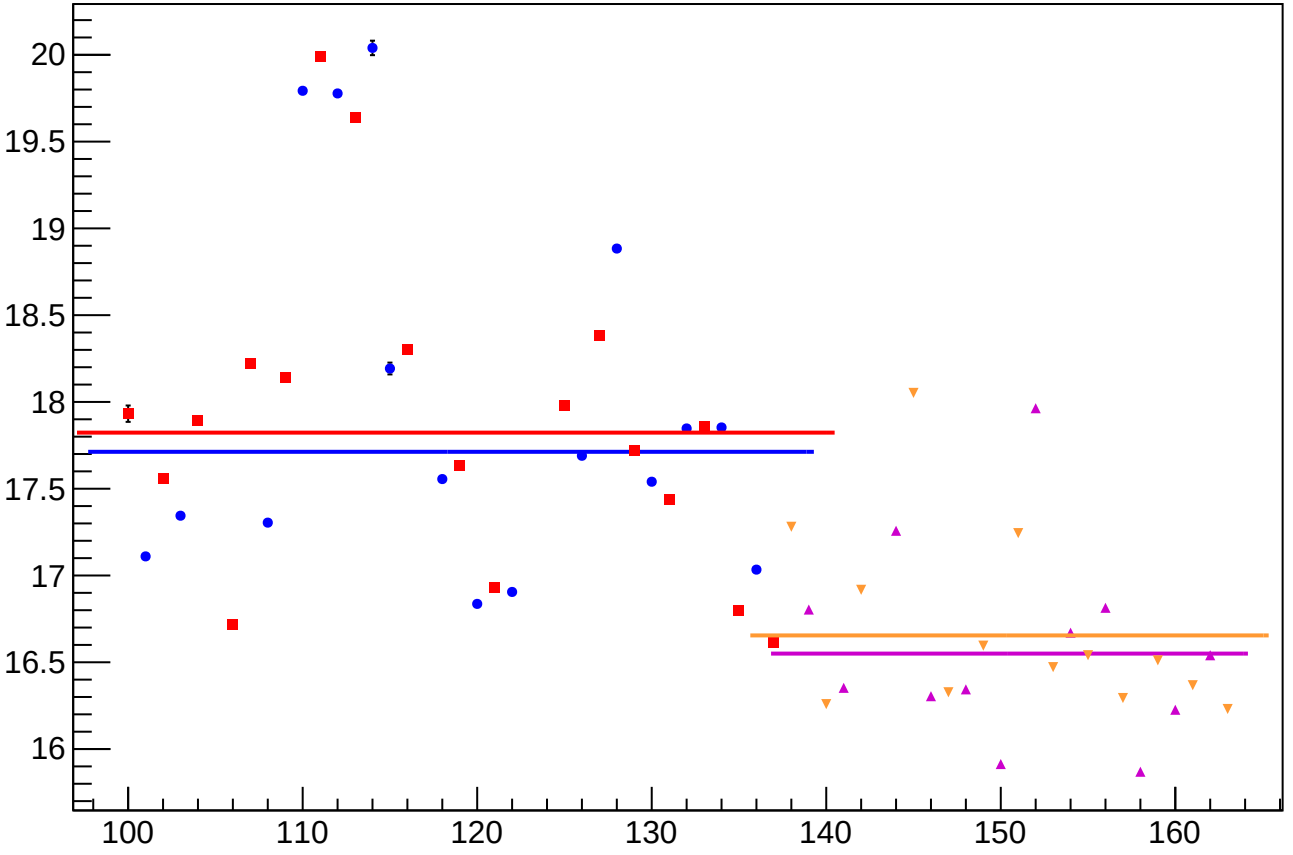
Left In: -2.031+/-5.151 χ^2/NDF:13.1/11

+ sign 0.879+/-4.070 χ^2/NDF: 9.0/28

All: -1.375+/-2.873 χ^2/NDF: 41.6/58

- sign -3.613+/-4.056 χ^2/NDF: 32.0/29

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.655+/-0.004 χ^2/NDF:18497.6/12

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

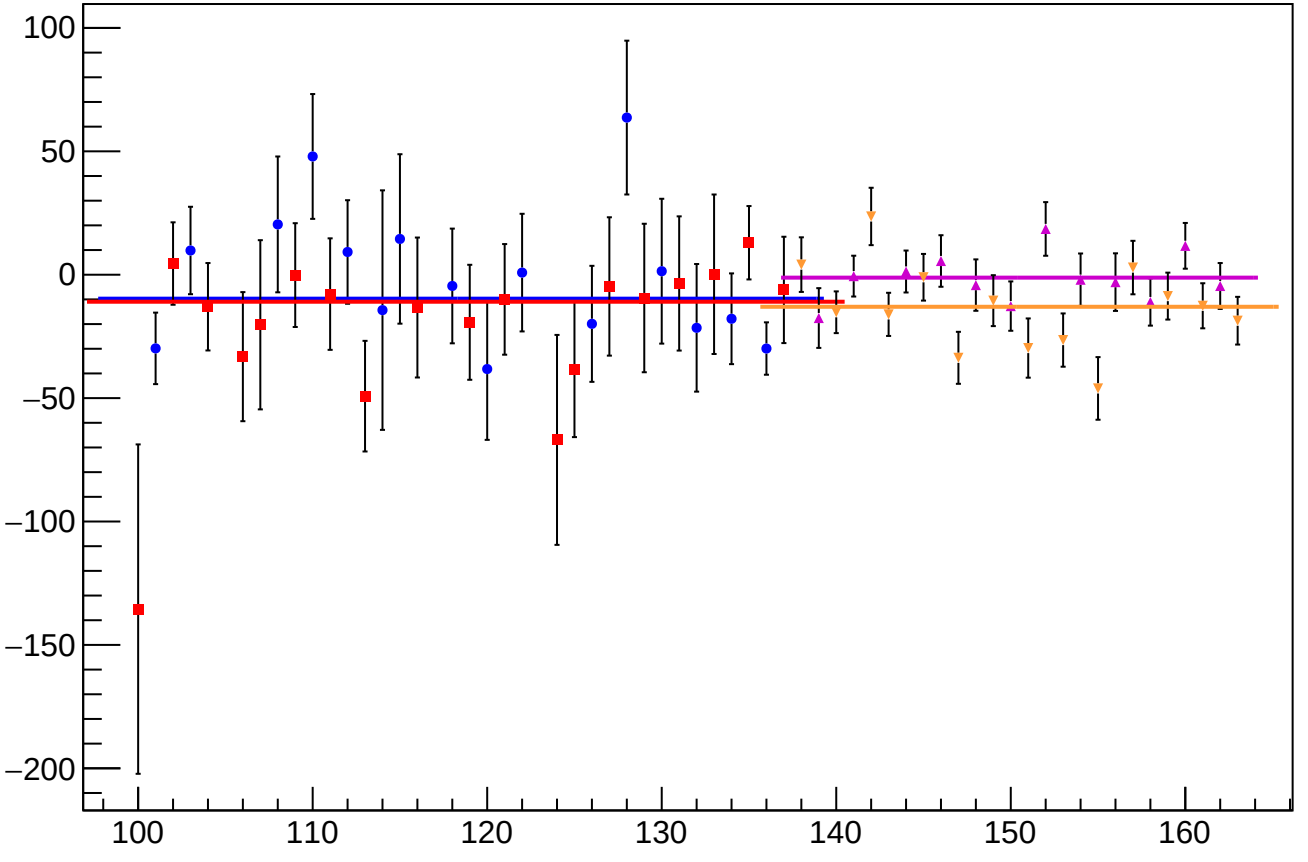
Left In: 16.550+/-0.004 χ^2/NDF:22255.5/11

+ sign 17.058+/-0.003 χ^2/NDF: 86351.5/28

All: 17.046+/-0.002 χ^2/NDF: 187568.8/58

- sign 17.034+/-0.003 χ^2/NDF: 101181.6/29

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.989+/-2.709 χ^2/NDF:31.0/13

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

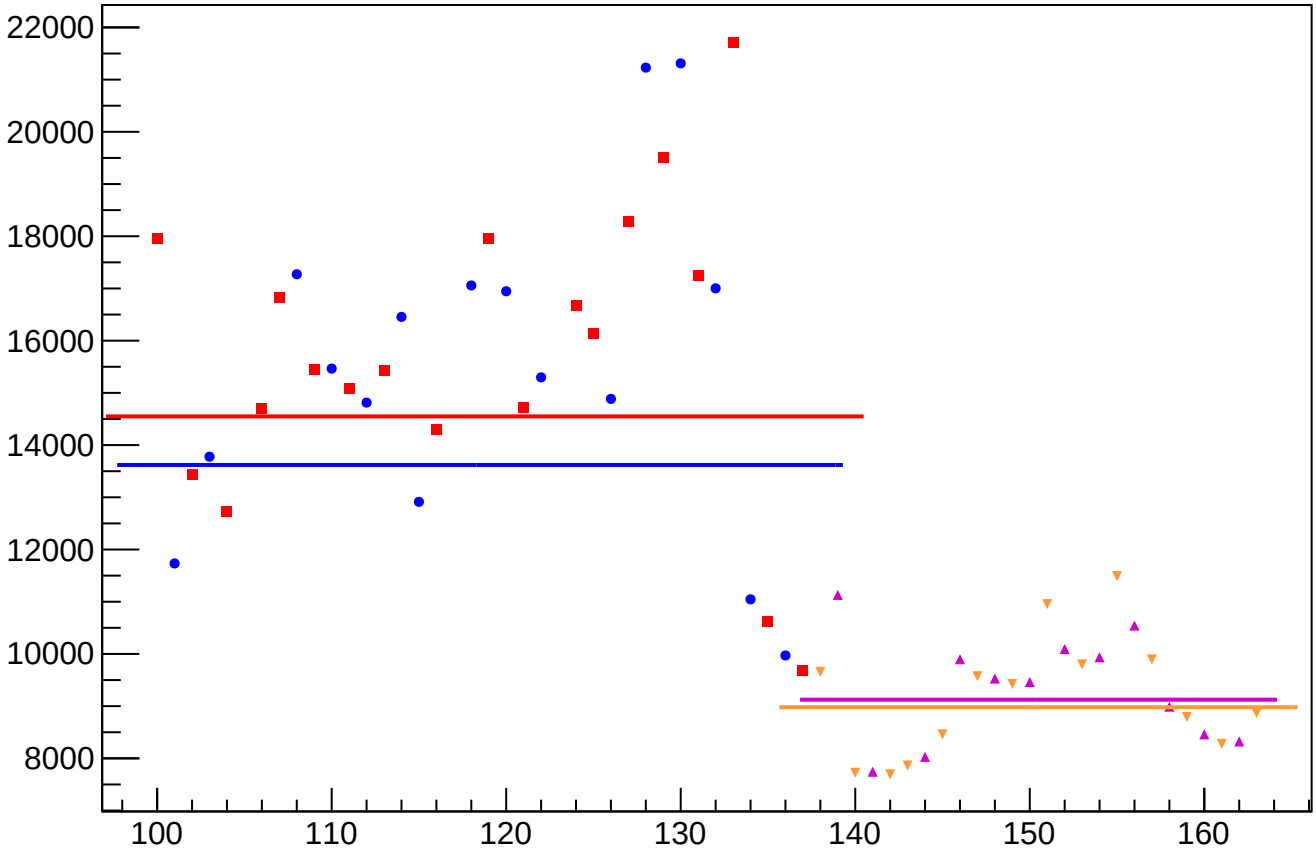
Left In: -1.181+/-2.858 χ^2/NDF:10.2/11

+ sign -12.293+/-2.406 χ^2/NDF: 53.3/29

All: -8.019+/-1.743 χ^2/NDF: 86.8/60

- sign -3.294+/-2.529 χ^2/NDF: 26.8/30

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8979.147+/-1.916 χ^2/NDF:295874.3/13

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

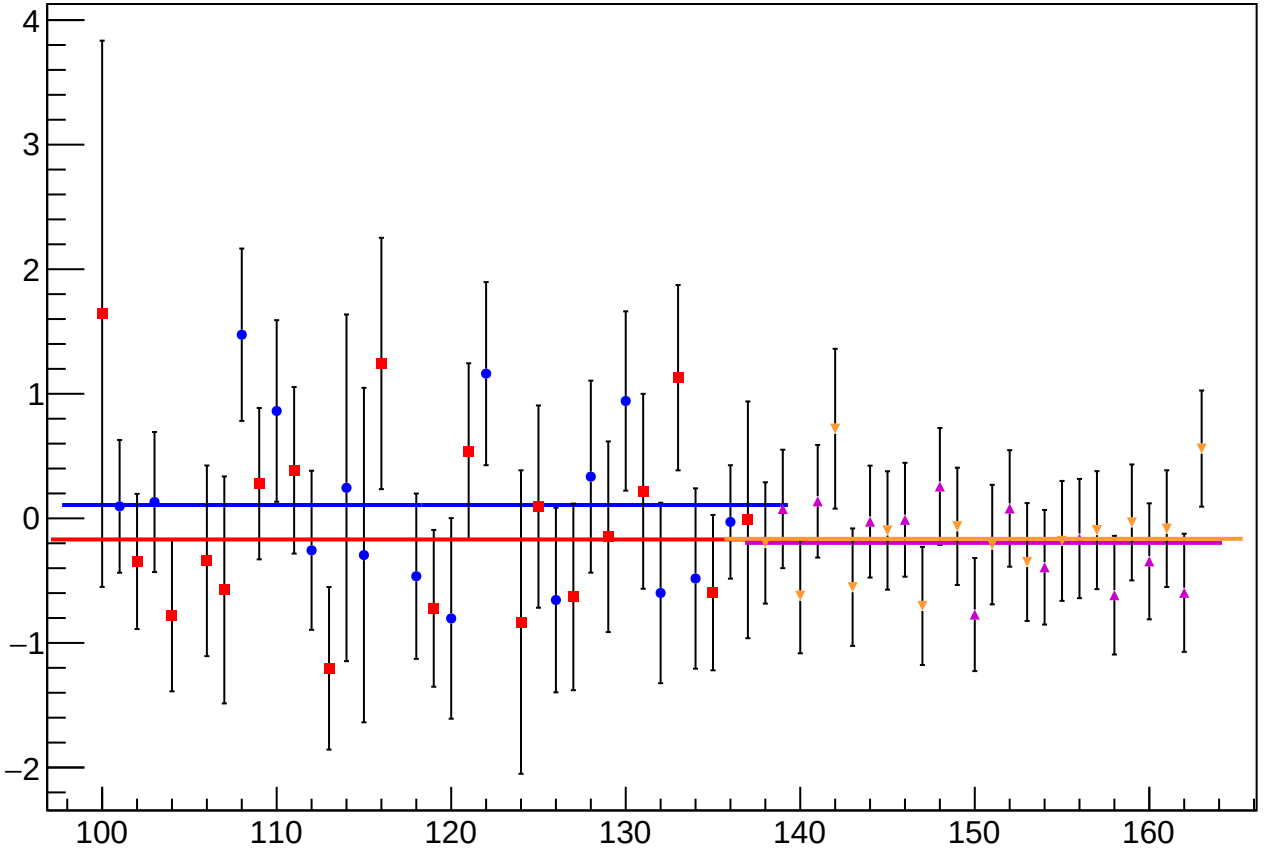
Left In: 9124.347+/-2.021 χ^2/NDF:242837.9/11

+ sign 9960.552+/-1.701 χ^2/NDF: 2283870.1/29

All: 10121.264+/-1.233 χ^2/NDF: 4662133.1/6

- sign 10298.927+/-1.789 χ^2/NDF: 2359470.9/30

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.164+/-0.128 χ^2/NDF:7.6/13

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

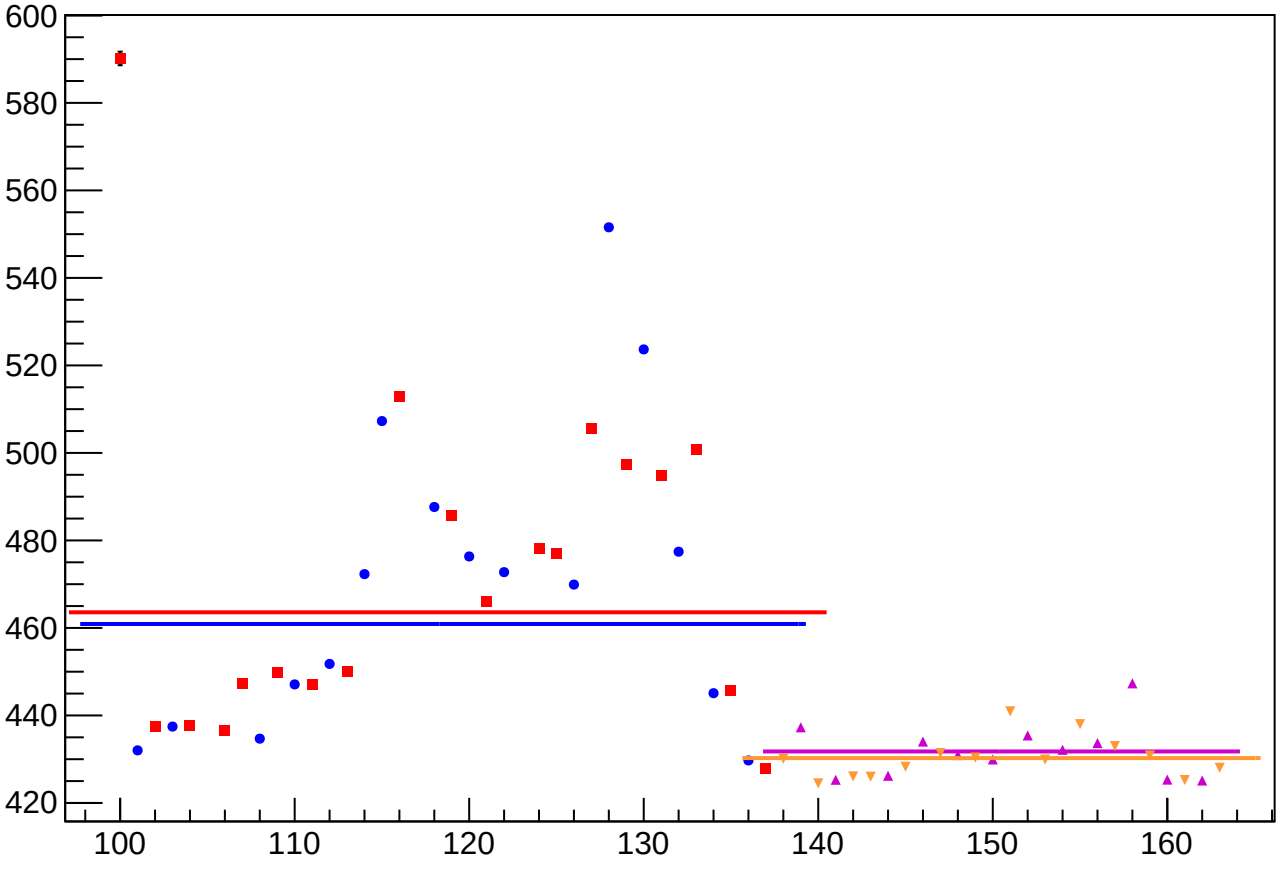
Left In: -0.197+/-0.134 χ^2/NDF:5.8/11

+ sign -0.067+/-0.103 χ^2/NDF: 22.9/29

All: -0.125+/-0.074 χ^2/NDF: 43.5/60

- sign -0.186+/-0.105 χ^2/NDF: 20.0/30

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.257+/-0.091 χ^2/NDF:2464.3/13

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

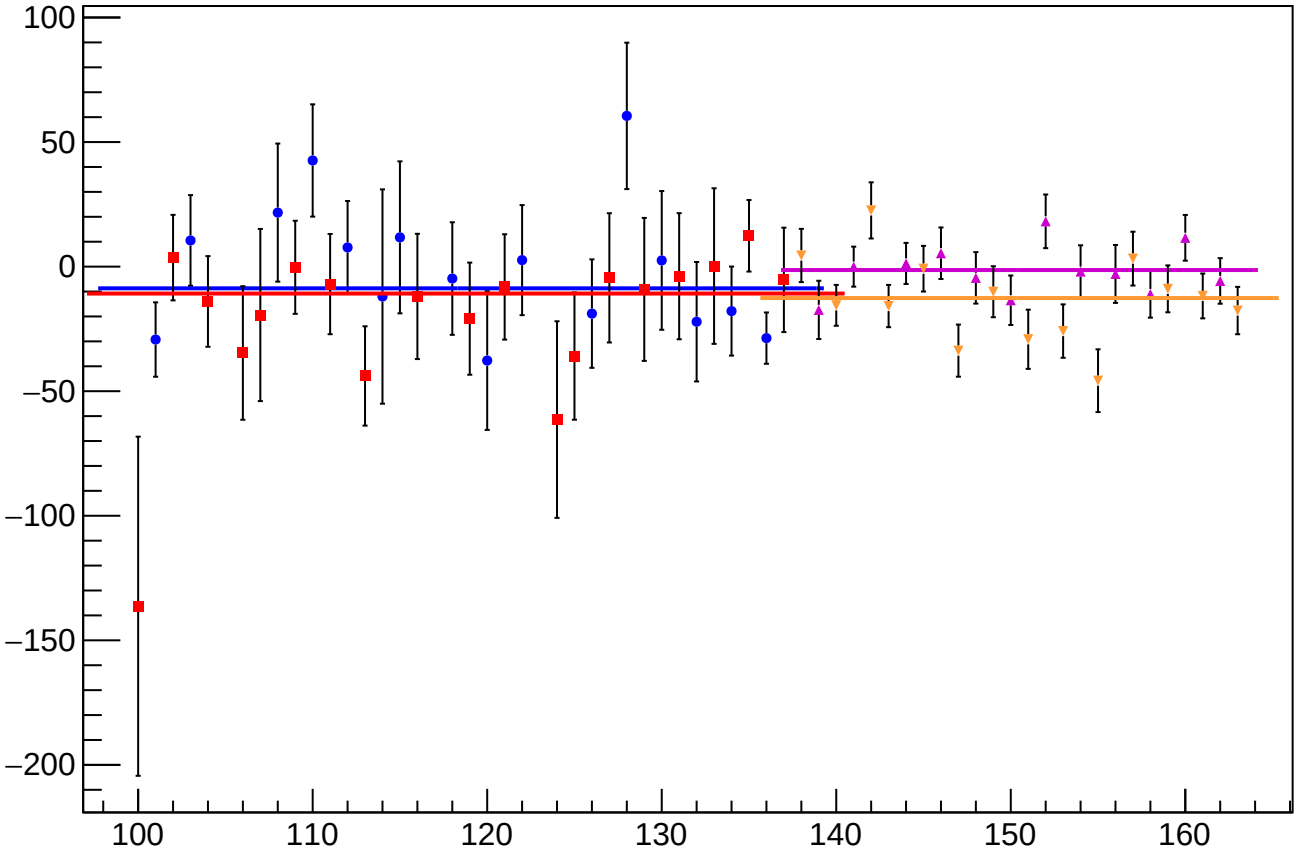
Left In: 431.770+/-0.095 χ^2/NDF:4139.3/11

+ sign 441.259+/-0.073 χ^2/NDF: 118243.0/29

All: 442.610+/-0.052 χ^2/NDF: 218578.6/60

- sign 444.023+/-0.074 χ^2/NDF: 99629.5/30

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.611+/-2.660 χ^2/NDF:31.3/13

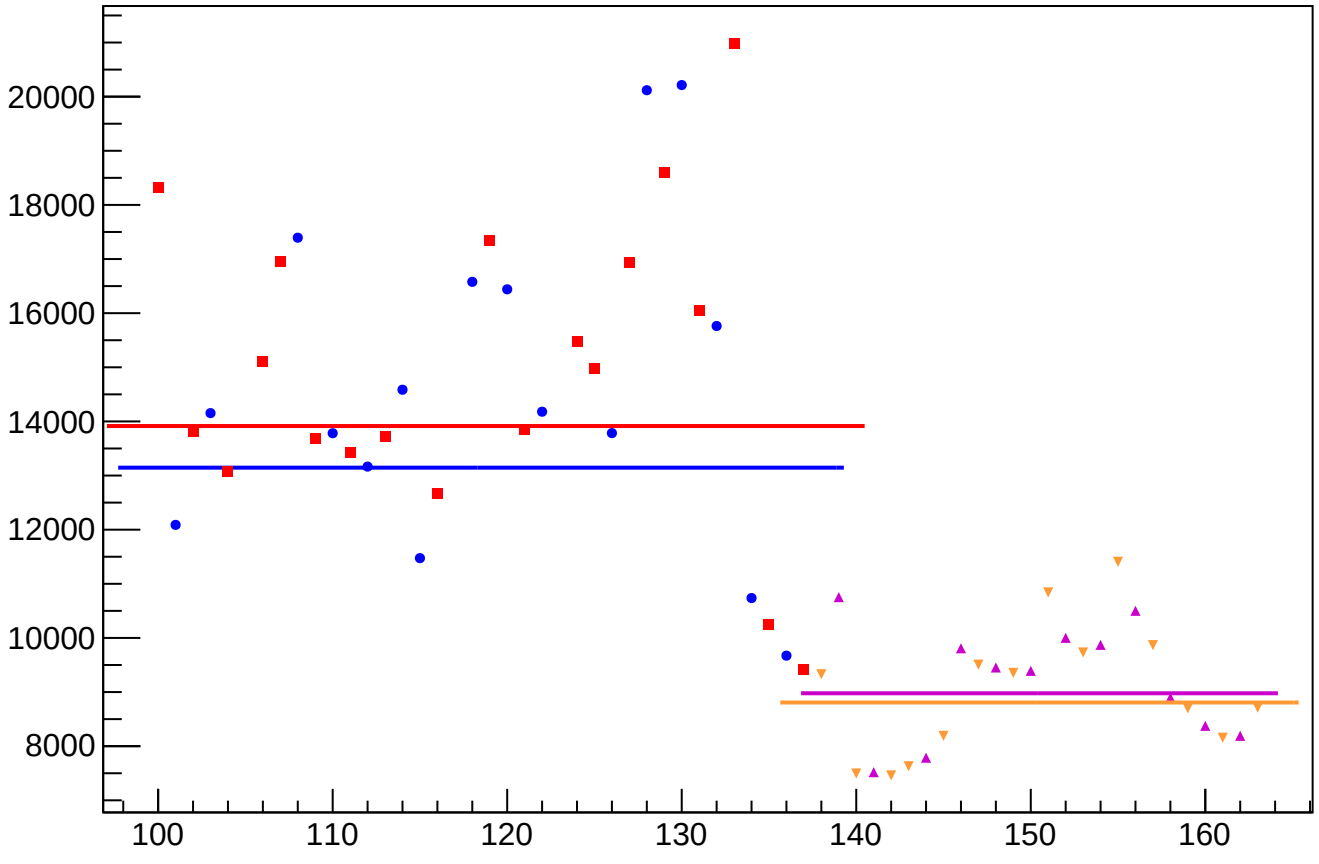
Right Out: -10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: -1.373+/-2.813 χ^2/NDF:10.6/11

+ sign -11.759+/-2.352 χ^2/NDF: 54.1/29

All: -7.844+/-1.704 χ^2/NDF: 86.9/60

- sign -3.514+/-2.473 χ^2/NDF: 27.0/30



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8807.256+/-1.881 χ^2/NDF:335468.2/13

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

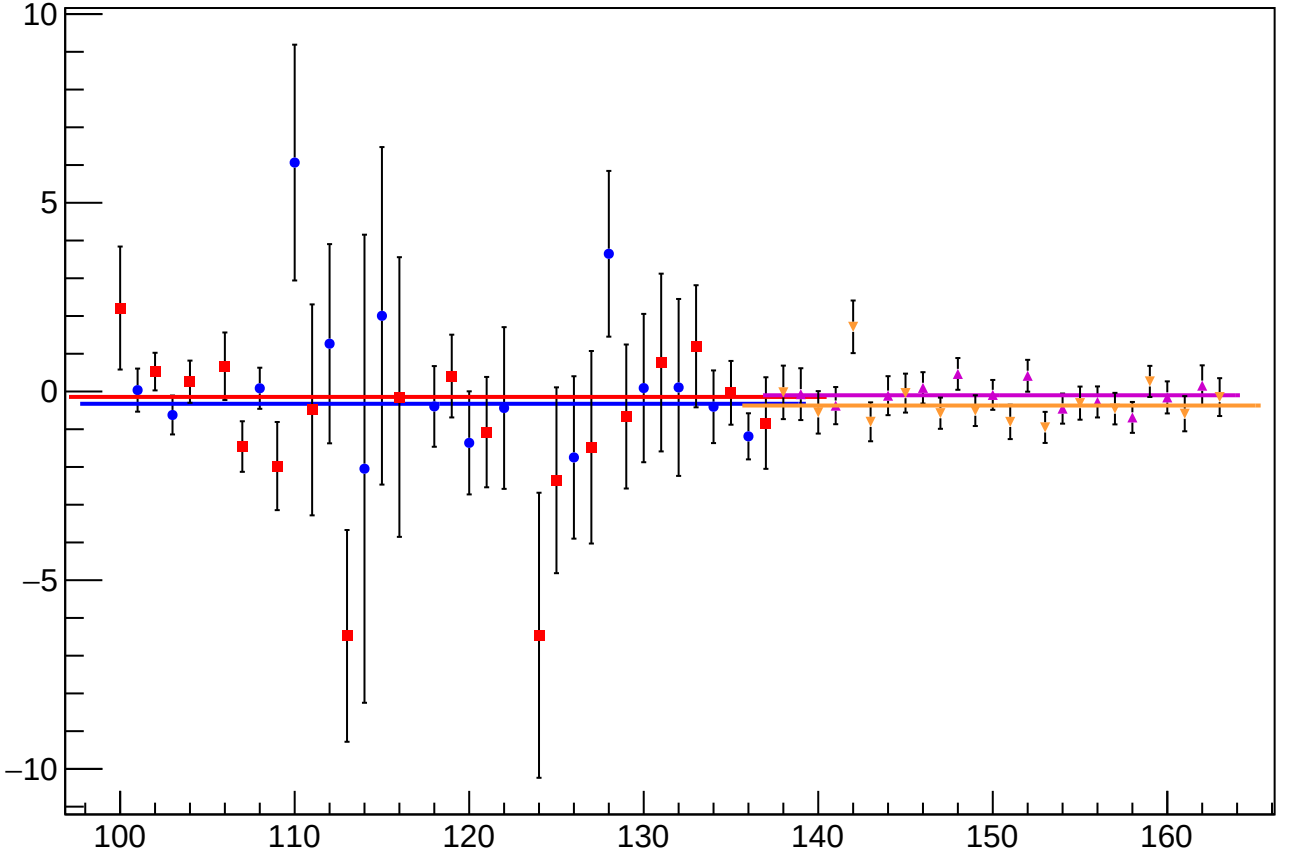
Left In: 8977.797+/-1.989 χ^2/NDF:264737.0/11

+ sign 9753.706+/-1.663 χ^2/NDF: 2178804.9/29

All: 9917.383+/-1.205 χ^2/NDF: 4373070.1/60

- sign 10098.390+/-1.749 χ^2/NDF: 2173868.3/30

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.372+/-0.126 χ^2/NDF:16.5/13

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

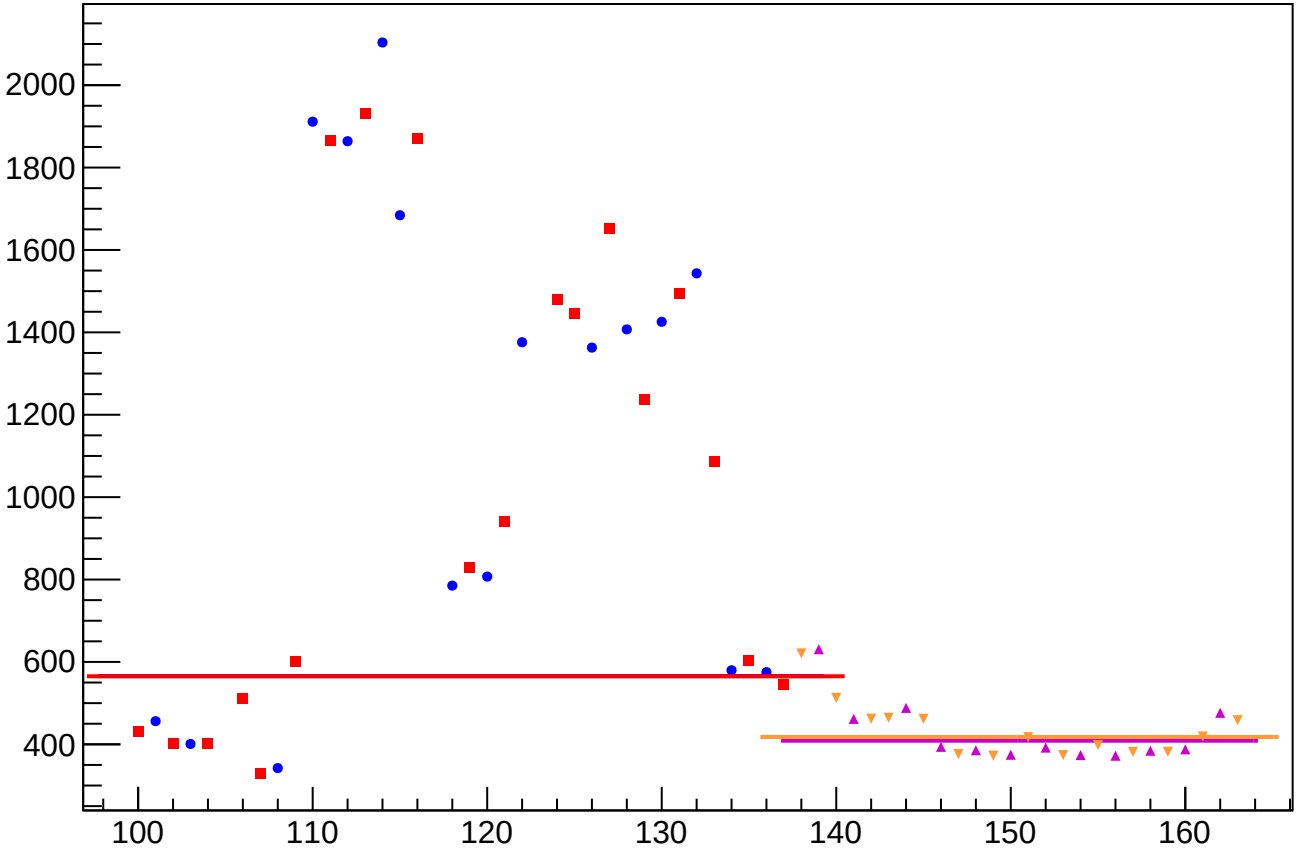
Left In: -0.100+/-0.128 χ^2/NDF:7.1/11

+ sign -0.362+/-0.112 χ^2/NDF: 29.1/29

All: -0.238+/-0.080 χ^2/NDF: 61.2/60

- sign -0.110+/-0.114 χ^2/NDF: 29.6/30

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 417.936+/-0.089 χ^2/NDF:374949.1/13

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

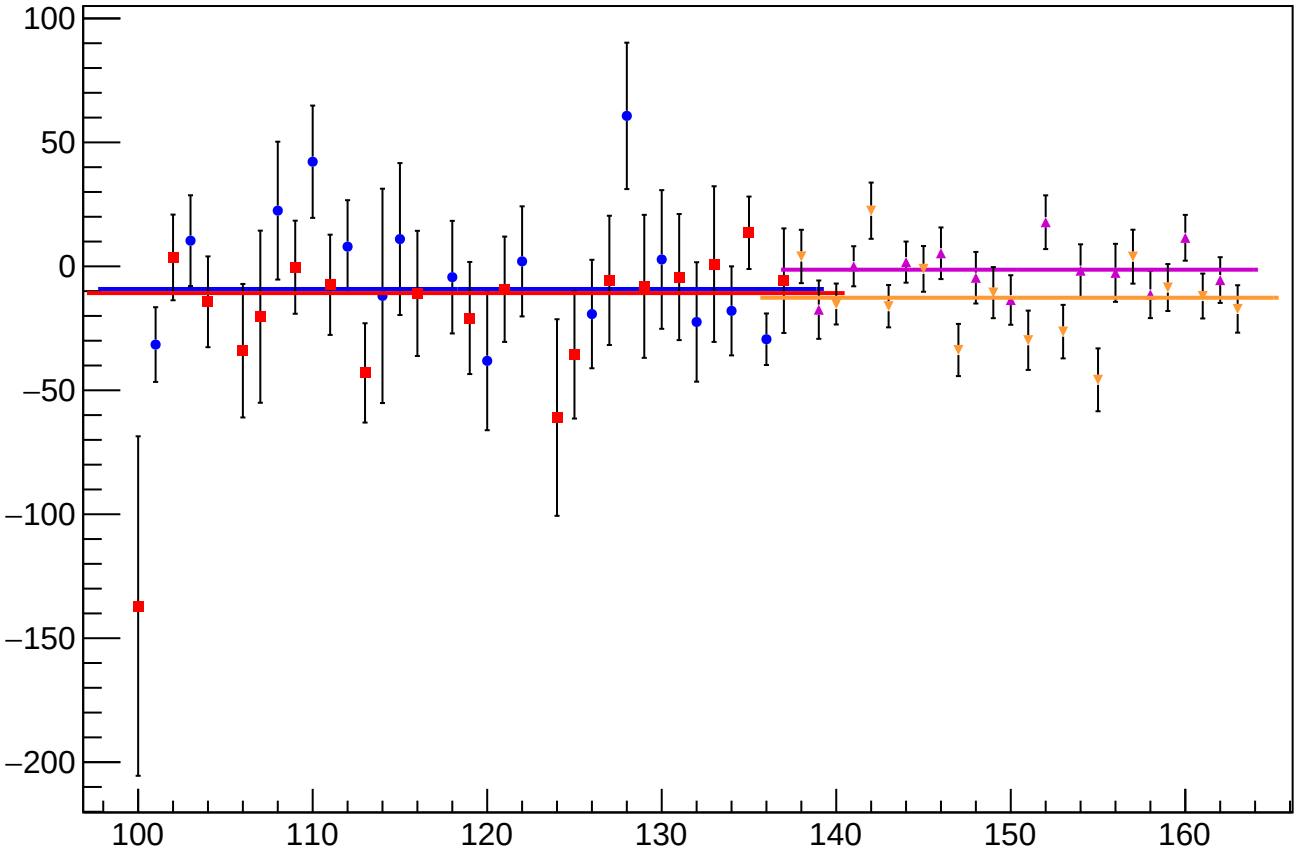
Left In: 408.806+/-0.091 χ^2/NDF:381141.6/11

+ sign 449.101+/-0.079 χ^2/NDF: 4402169.7/29

All: 445.931+/-0.056 χ^2/NDF: 9000166.9/60

- sign 442.675+/-0.080 χ^2/NDF: 4594760.1/30

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.660+/-2.677 χ^2/NDF:31.1/13

Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

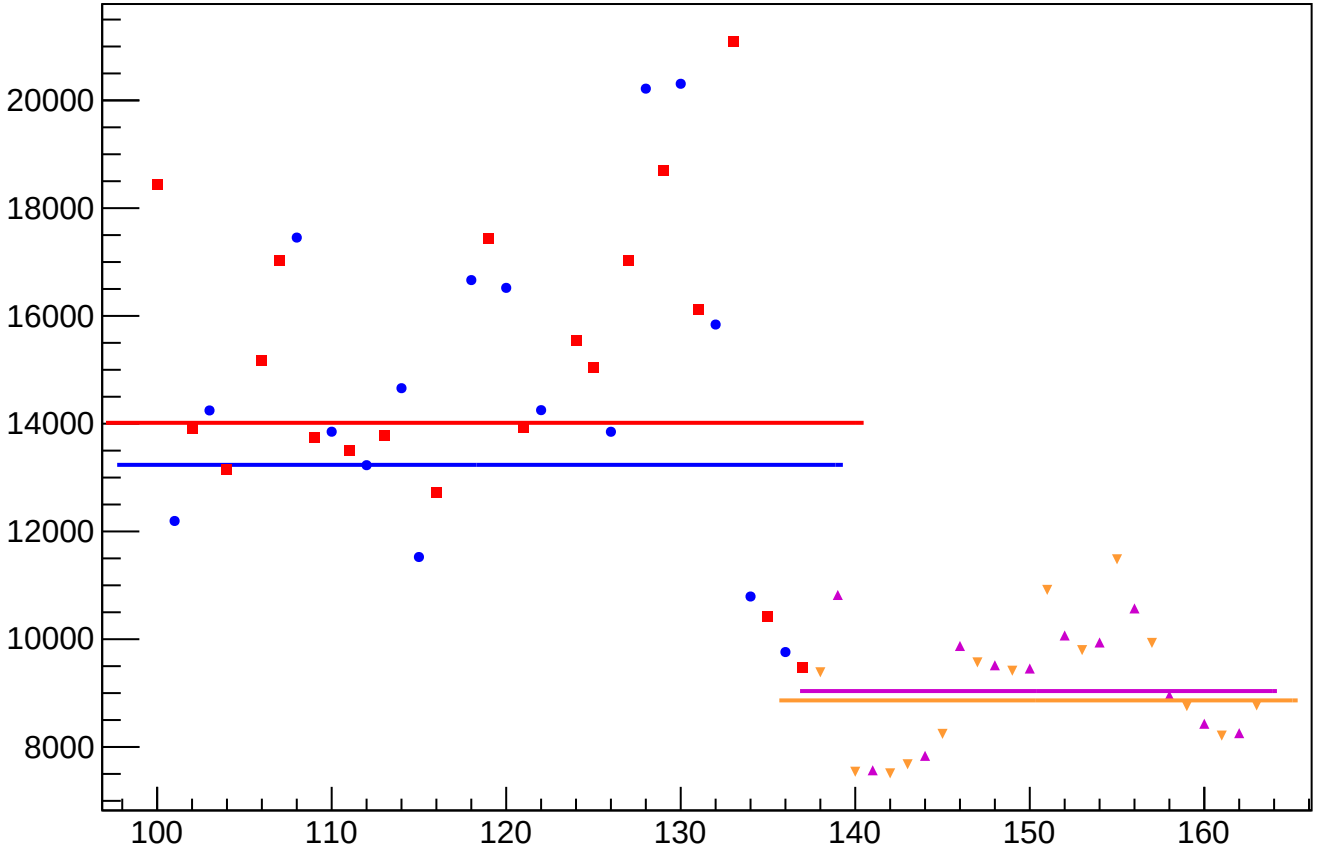
Left In: -1.350+/-2.832 χ^2/NDF:10.4/11

+ sign -11.890+/-2.367 χ^2/NDF: 54.2/29

All: -7.903+/-1.716 χ^2/NDF: 86.8/60

- sign -3.491+/-2.490 χ^2/NDF: 26.6/30

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8864.343+/-1.893 χ^2/NDF:336096.6/13

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

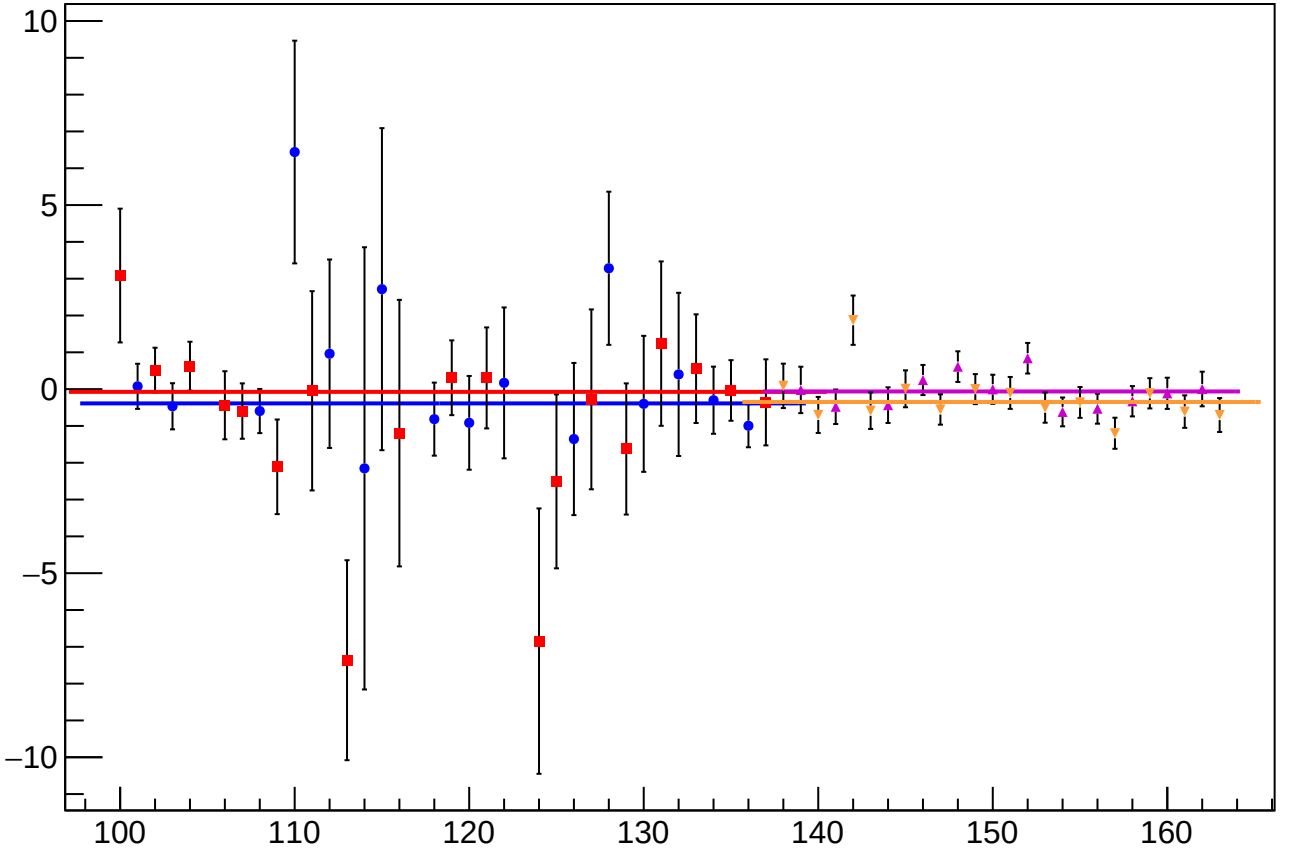
Left In: 9037.650+/-2.002 χ^2/NDF:264819.2/11

+ sign 9817.735+/-1.674 χ^2/NDF: 2172916.6/29

All: 9983.663+/-1.213 χ^2/NDF: 4359416.9/60

- sign 10167.230+/-1.761 χ^2/NDF: 2165805.5/30

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.122 χ^2/NDF:19.6/13

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

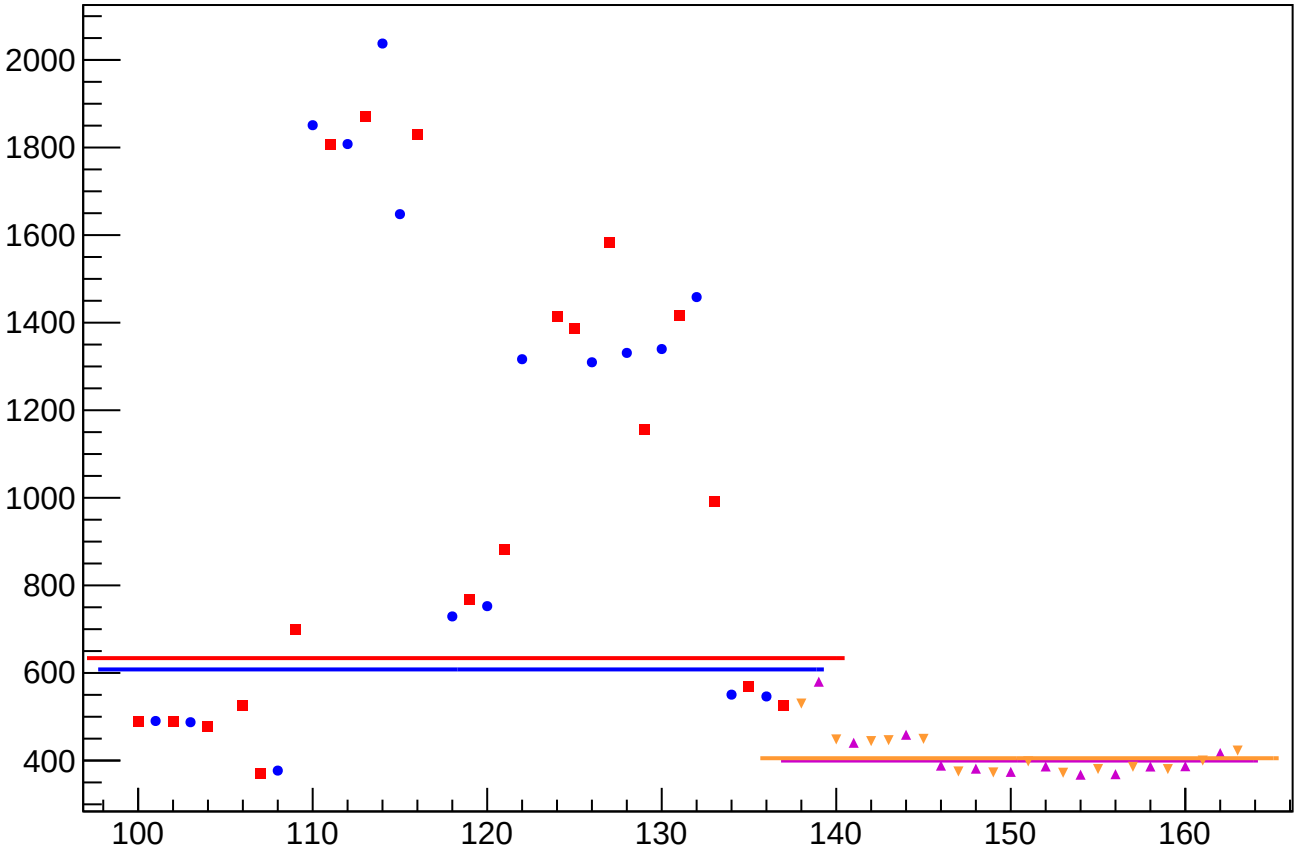
Left In: -0.063+/-0.125 χ^2/NDF:13.1/11

+ sign -0.357+/-0.110 χ^2/NDF: 31.2/29

All: -0.215+/-0.079 χ^2/NDF: 69.4/60

- sign -0.065+/-0.113 χ^2/NDF: 34.8/30

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 405.279+/-0.086 χ^2/NDF:196036.4/13

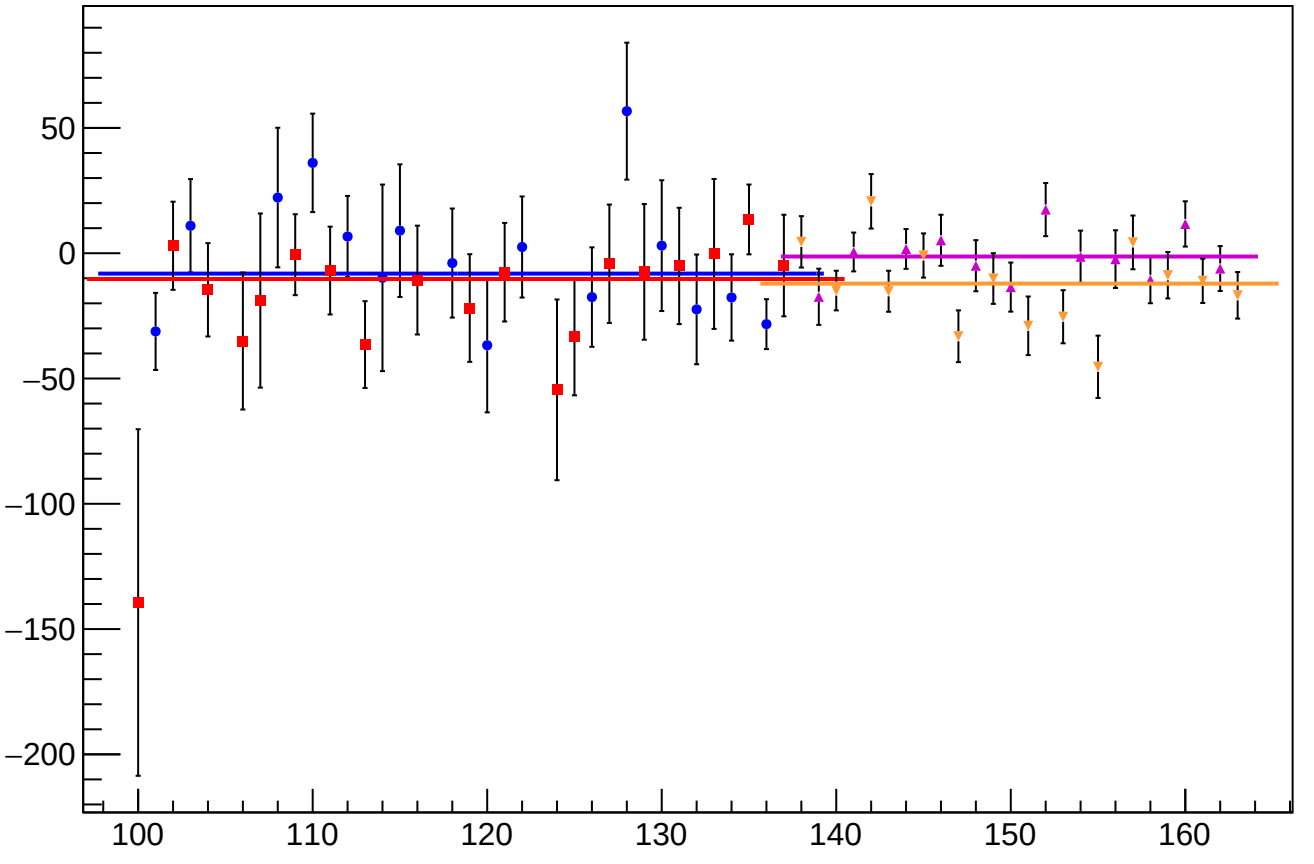
Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 399.945+/-0.089 χ^2/NDF:255843.9/11

+ sign 442.749+/-0.078 χ^2/NDF: 4074182.6/29

All: 442.750+/-0.056 χ^2/NDF: 8396515.2/60

- sign 442.751+/-0.080 χ^2/NDF: 4322332.5/30



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.127+/-2.596 χ^2/NDF:31.3/13

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

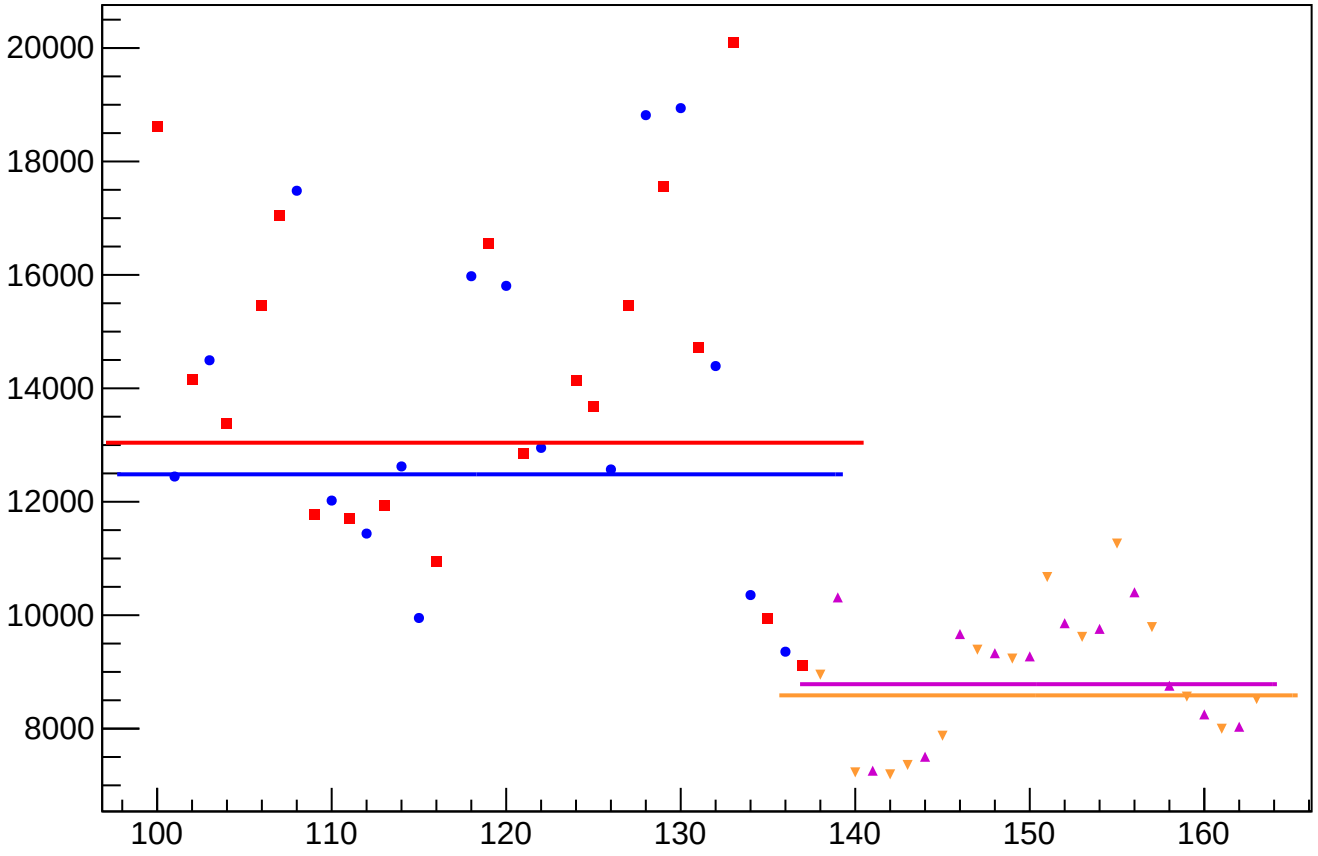
Left In: -1.311+/-2.754 χ^2/NDF:10.8/11

+ sign -11.217+/-2.281 χ^2/NDF: 55.0/29

All: -7.542+/-1.653 χ^2/NDF: 87.5/60

- sign -3.484+/-2.398 χ^2/NDF: 27.1/30

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8586.741+/-1.836 χ^2/NDF:382092.8/13

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

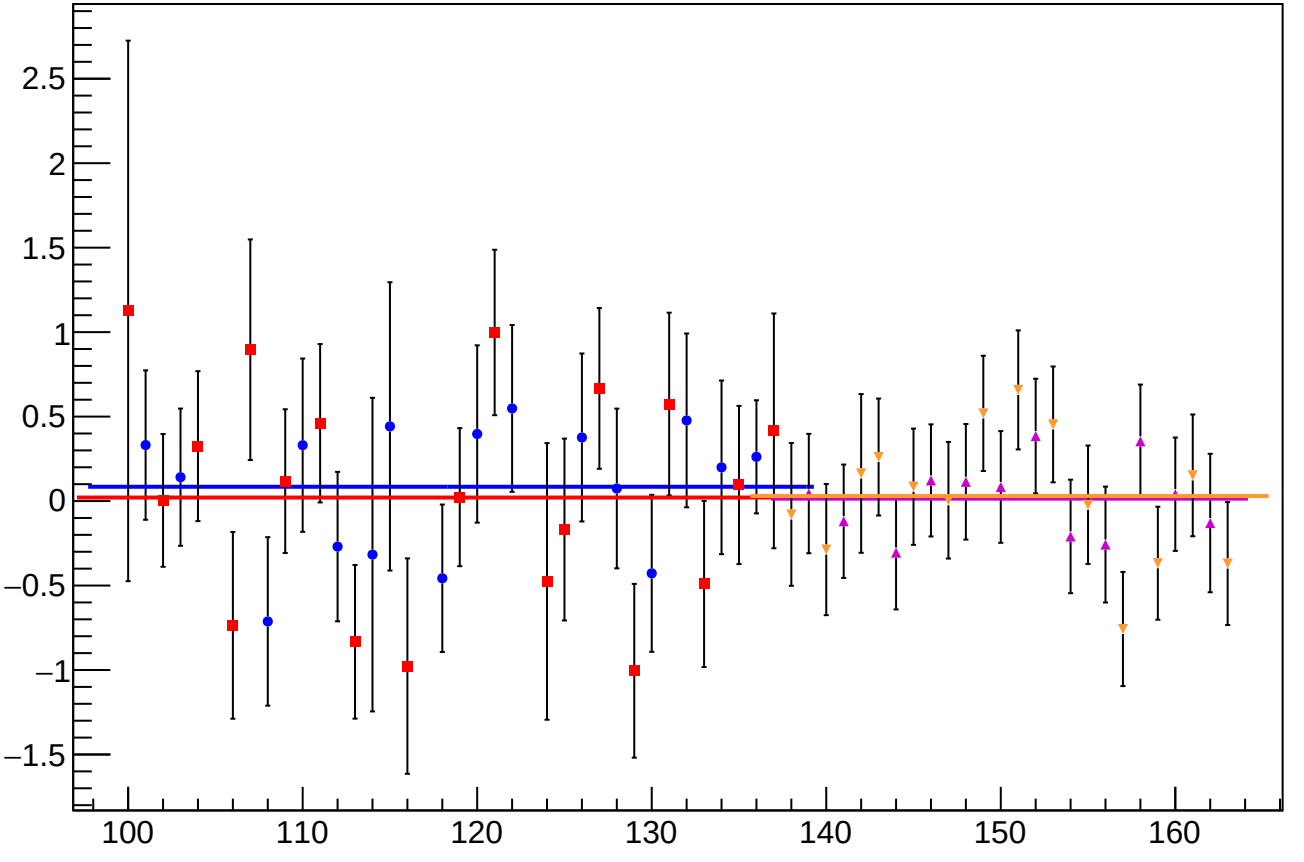
Left In: 8783.608+/-1.947 χ^2/NDF:290888.3/11

+ sign 9474.842+/-1.613 χ^2/NDF: 2080563.4/29

All: 9636.080+/-1.169 χ^2/NDF: 4093990.6/60

- sign 9814.168+/-1.695 χ^2/NDF: 1992403.1/30

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.030+/-0.096 χ^2/NDF:16.2/13

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

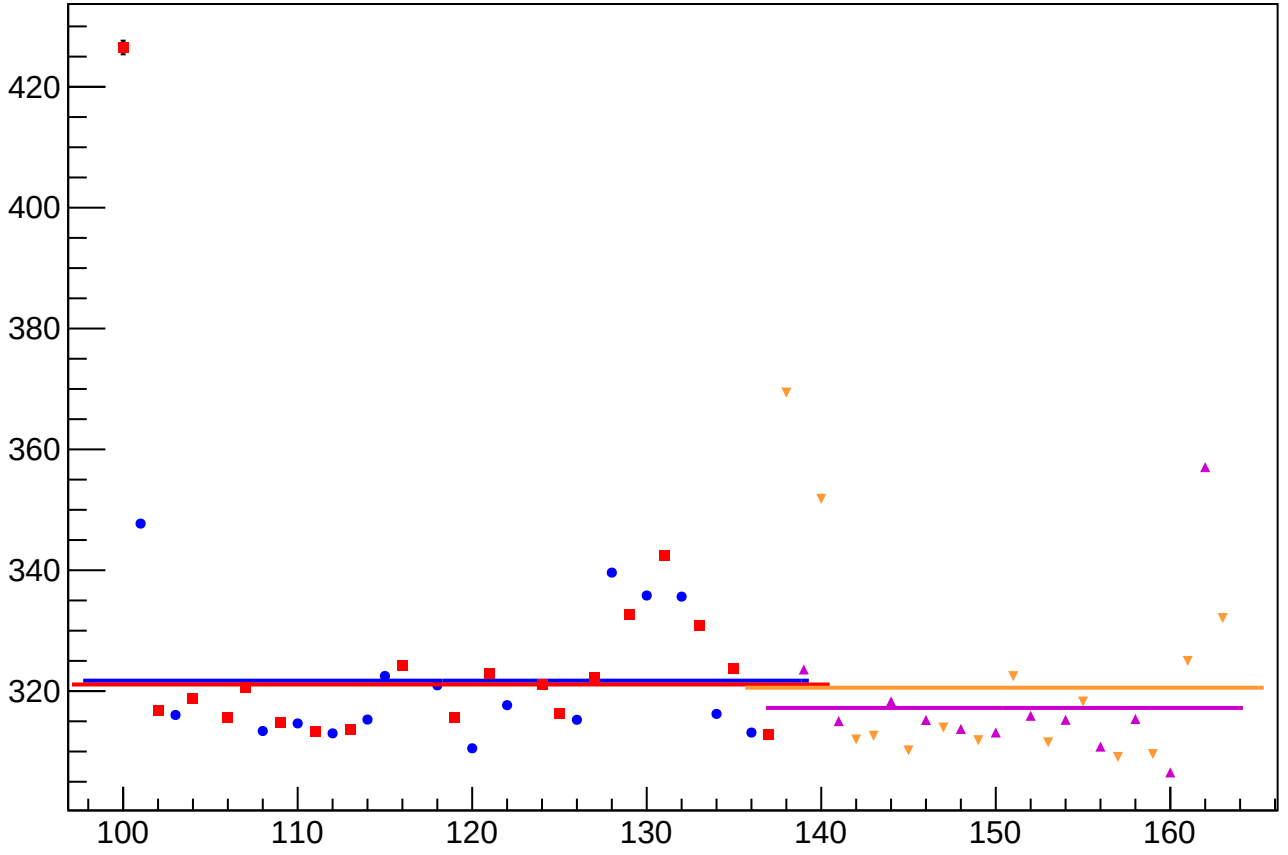
Left In: 0.014+/-0.099 χ^2/NDF:4.7/11

+ sign 0.051+/-0.075 χ^2/NDF: 25.7/29

All: 0.034+/-0.053 χ^2/NDF: 54.8/60

- sign 0.017+/-0.076 χ^2/NDF: 29.0/30

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.561+/-0.068 χ^2/NDF:53553.1/13

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

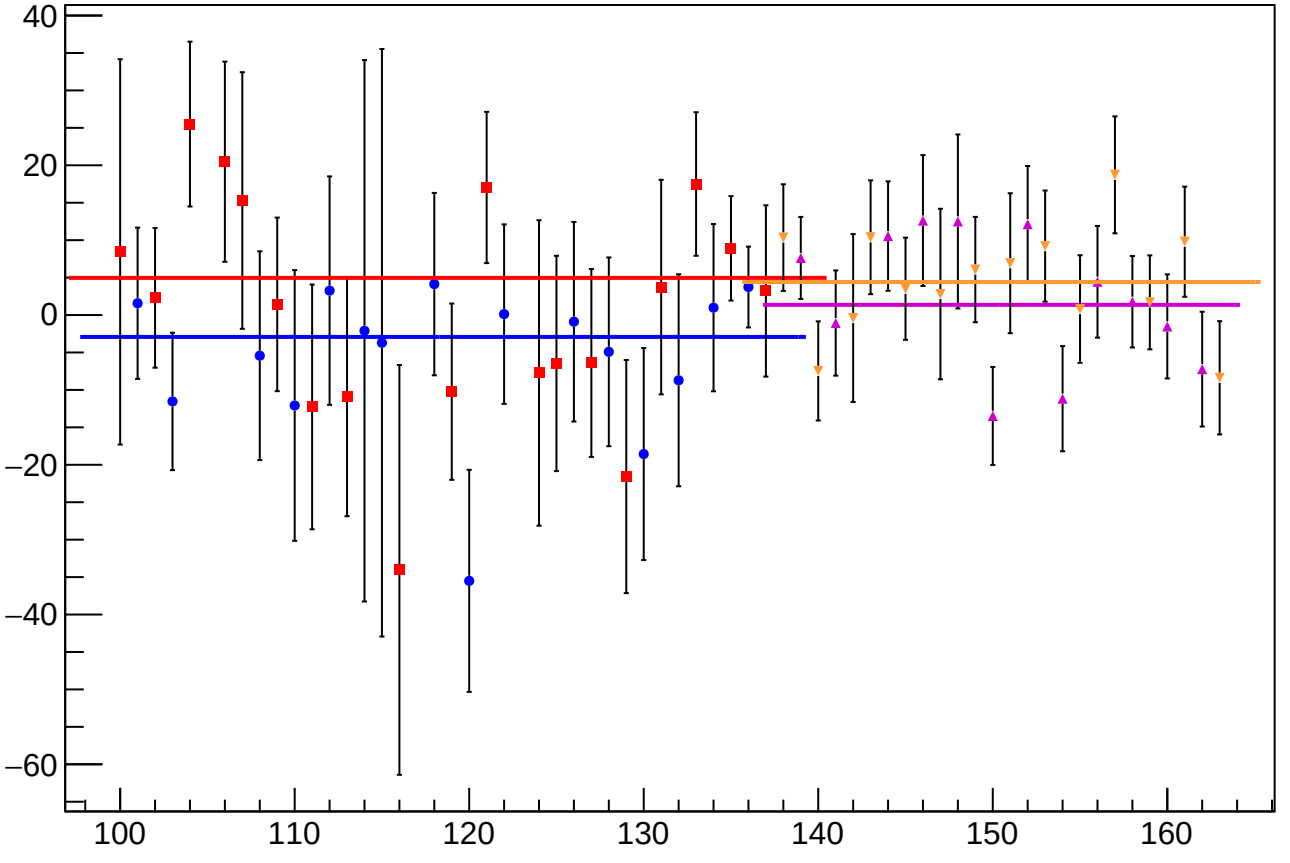
Left In: 317.212+/-0.070 χ^2/NDF:23125.1/11

+ sign 321.016+/-0.053 χ^2/NDF: 71882.6/29

All: 319.927+/-0.038 χ^2/NDF: 113712.2/60

- sign 318.821+/-0.054 χ^2/NDF: 40981.4/30

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.413+/-2.025 χ^2/NDF:12.5/13

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

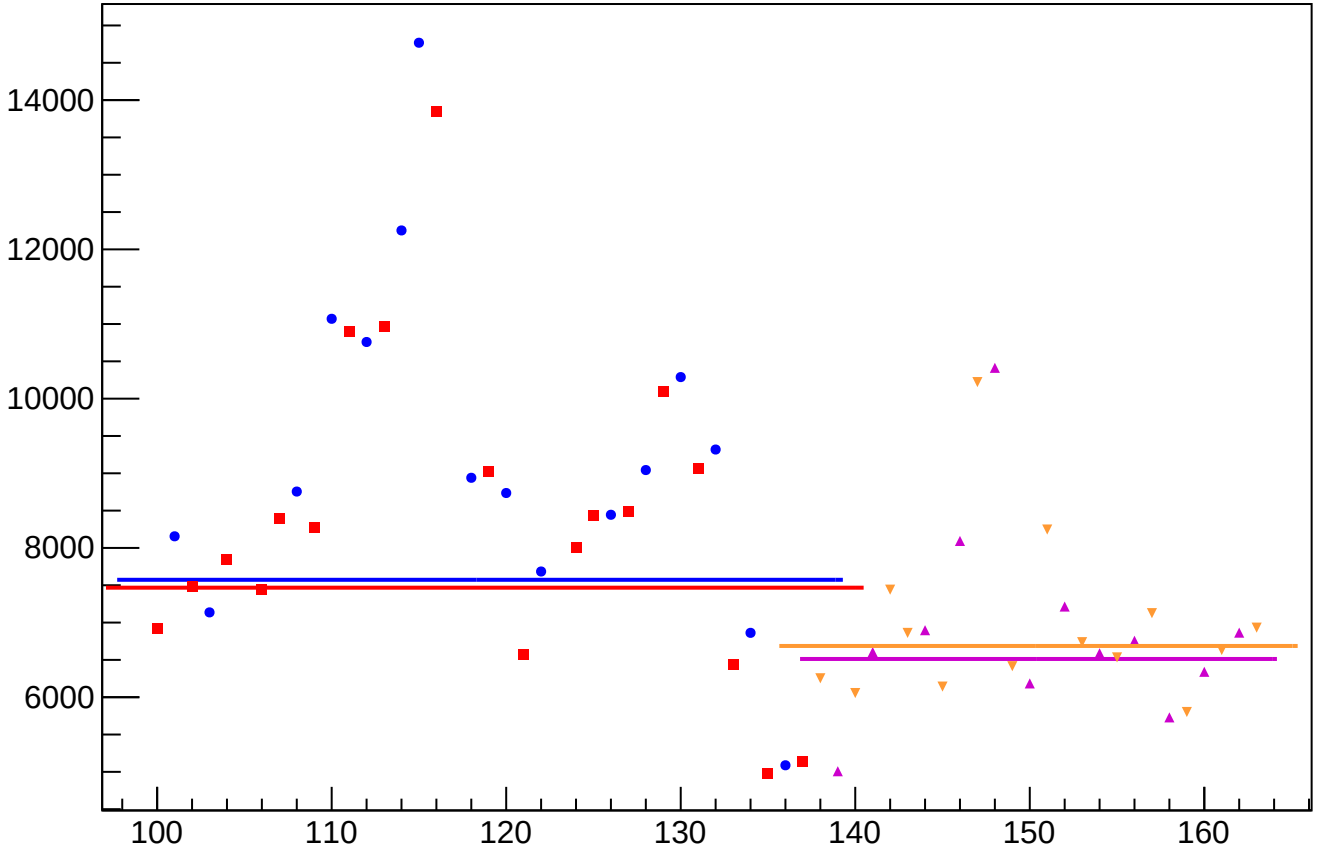
Left In: 1.360+/-2.061 χ^2/NDF:17.4/11

+ sign 2.020+/-1.662 χ^2/NDF: 26.6/29

All: 2.316+/-1.176 χ^2/NDF: 64.6/60

- sign 2.613+/-1.665 χ^2/NDF: 37.9/30

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6686.645+/-1.432 χ^2/NDF:349142.2/13

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

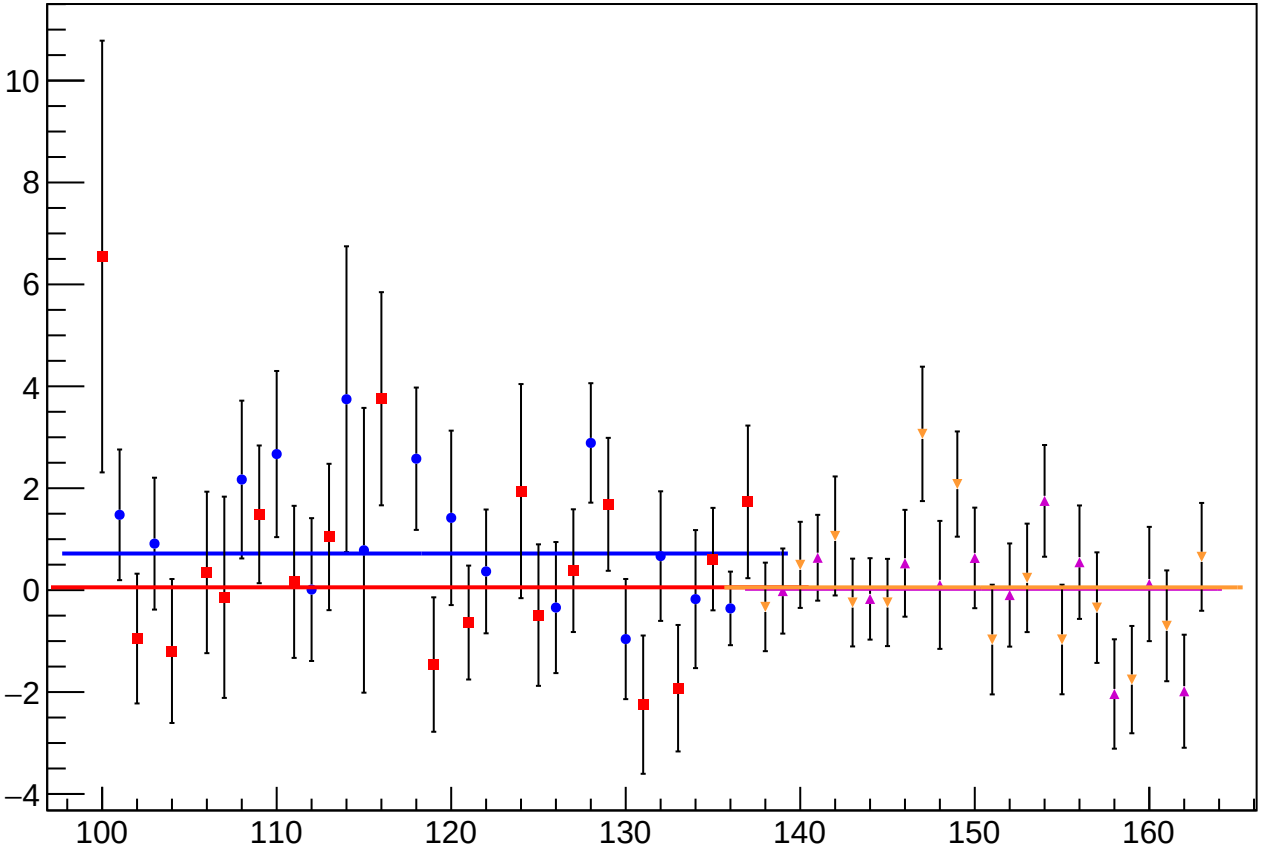
Left In: 6512.355+/-1.457 χ^2/NDF:509491.1/11

+ sign 6975.789+/-1.175 χ^2/NDF: 1371780.3/29

All: 6910.120+/-0.832 χ^2/NDF: 2865163.6/60

- sign 6844.247+/-1.177 χ^2/NDF: 1487129.5/30

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.054+/-0.269 χ^2/NDF:16.3/13

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

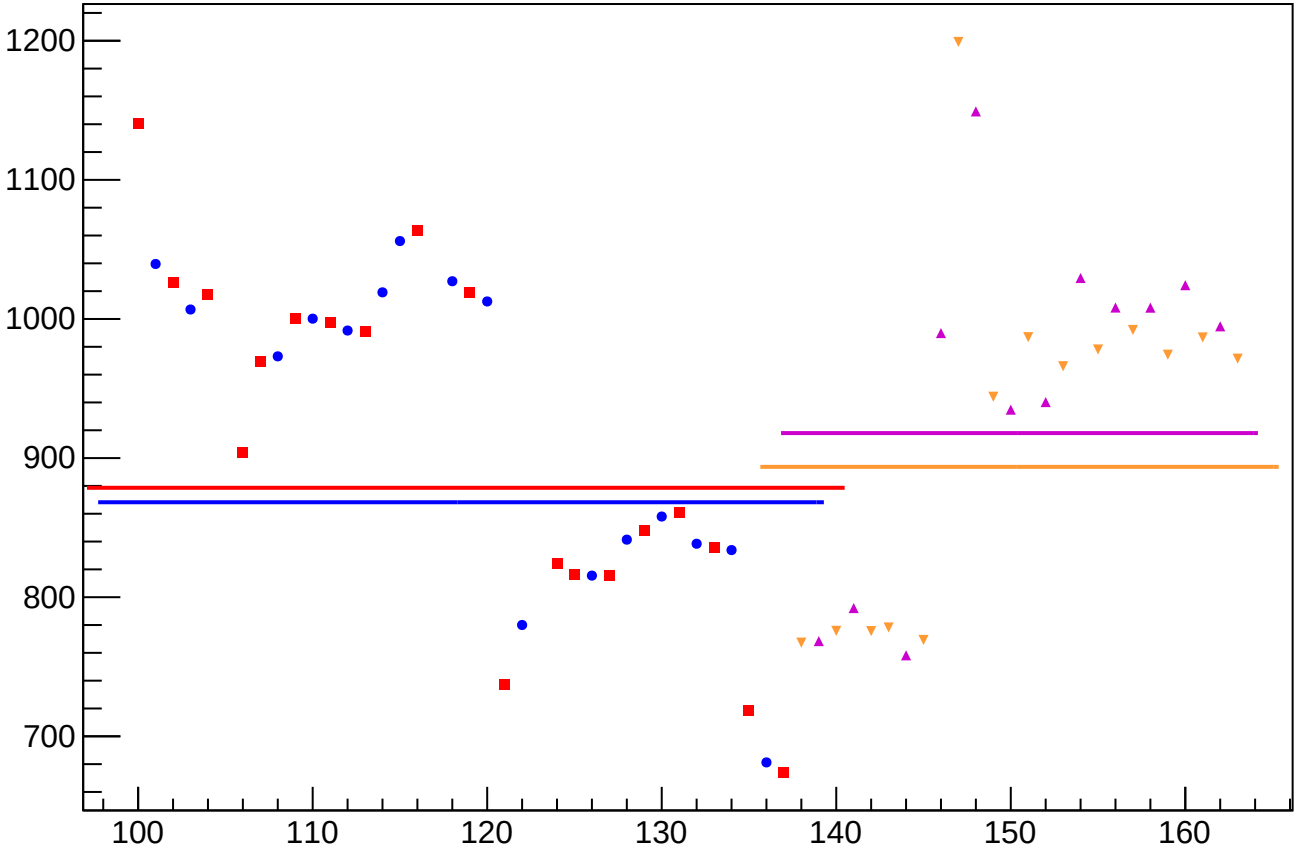
Left In: 0.026+/-0.288 χ^2/NDF:10.9/11

+ sign 0.324+/-0.208 χ^2/NDF: 33.5/29

All: 0.187+/-0.149 χ^2/NDF: 65.1/60

- sign 0.039+/-0.215 χ^2/NDF: 30.7/30

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 893.699+/-0.190 χ^2/NDF:382110.7/13

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

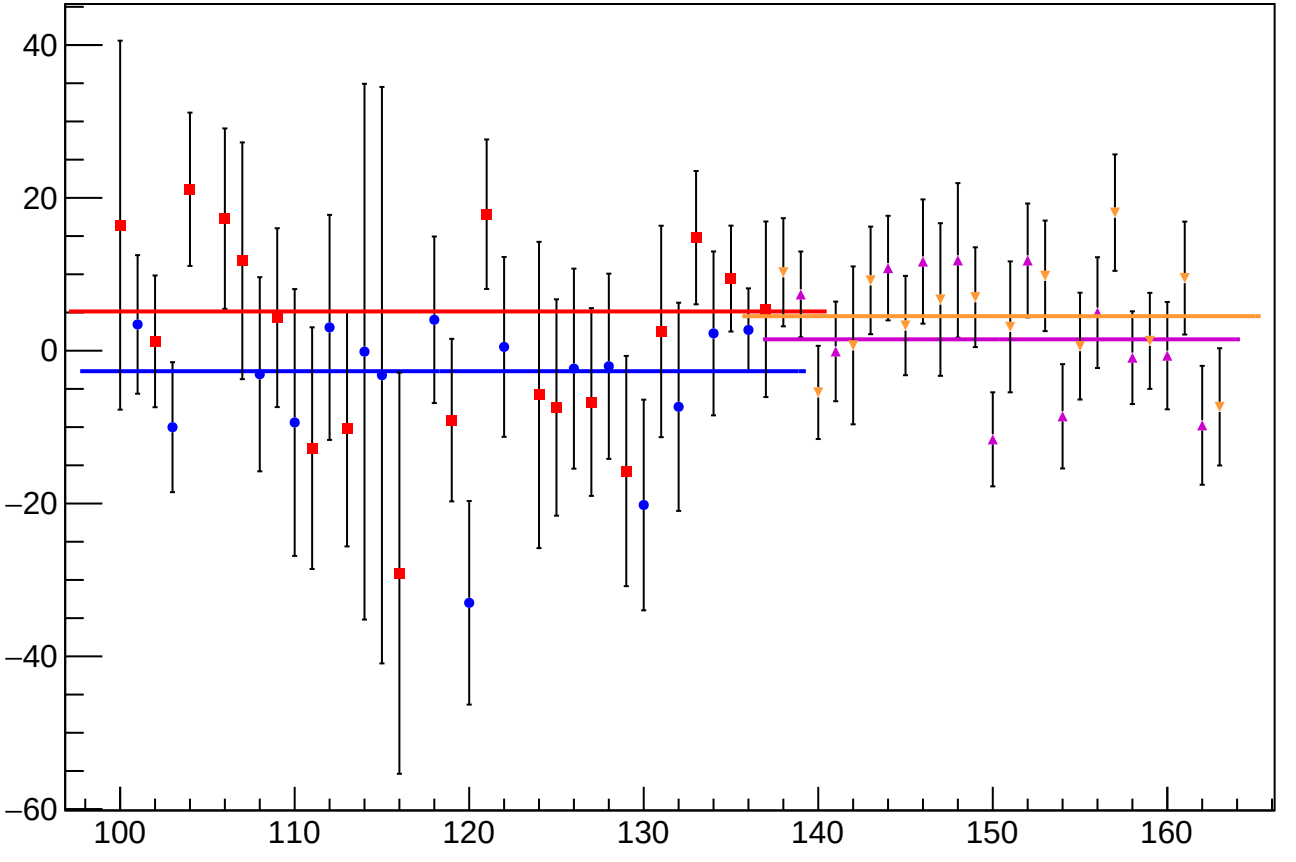
Left In: 917.974+/-0.204 χ^2/NDF:342972.5/11

+ sign 883.374+/-0.147 χ^2/NDF: 691765.0/29

All: 891.684+/-0.106 χ^2/NDF: 1330406.3/60

- sign 900.595+/-0.152 χ^2/NDF: 632000.6/30

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.514+/-1.944 χ^2/NDF:11.3/13

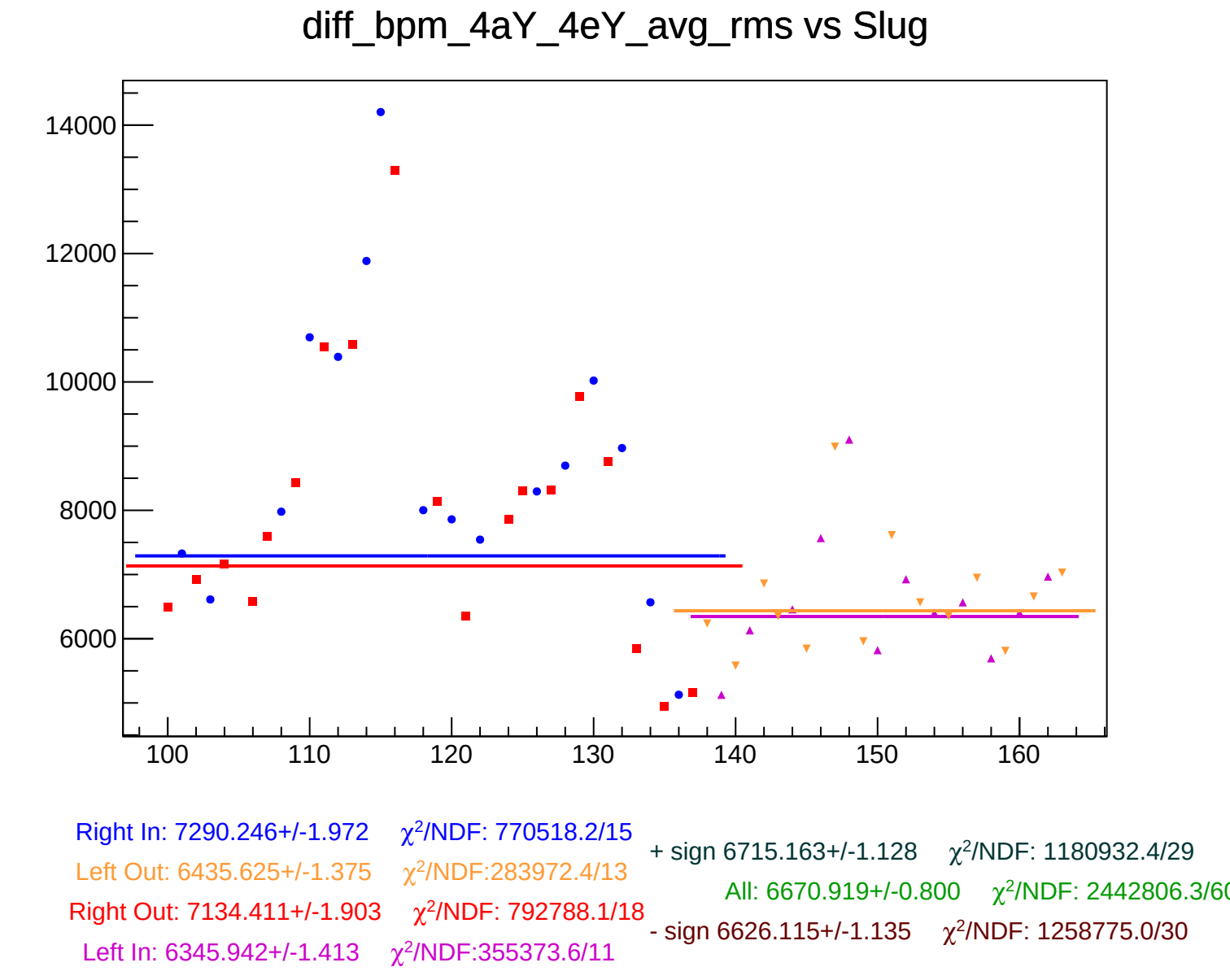
Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: 1.487+/-1.999 χ^2/NDF:16.8/11

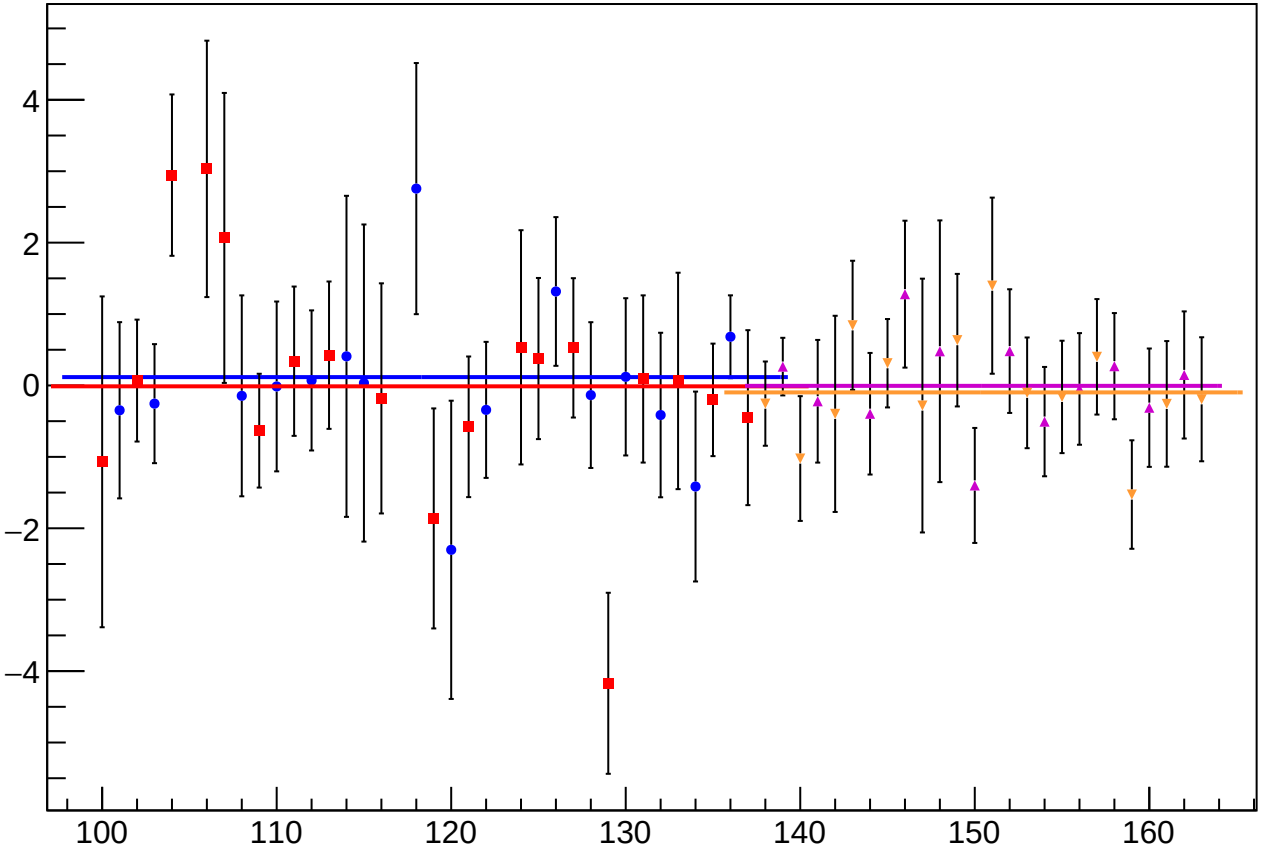
+ sign 2.160+/-1.595 χ^2/NDF: 25.8/29

All: 2.470+/-1.131 χ^2/NDF: 61.2/60

- sign 2.784+/-1.605 χ^2/NDF: 35.3/30


diff_bpm_4aY_4eY_avg_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6435.625+/-1.375 χ²/NDF:283972.4/13
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6345.942+/-1.413 χ²/NDF:355373.6/11
+ sign 6715.163+/-1.128 χ²/NDF: 1180932.4/29
All: 6670.919+/-0.800 χ²/NDF: 2442806.3/60
- sign 6626.115+/-1.135 χ²/NDF: 1258775.0/30

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.097+/-0.224 χ^2/NDF:8.8/13

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

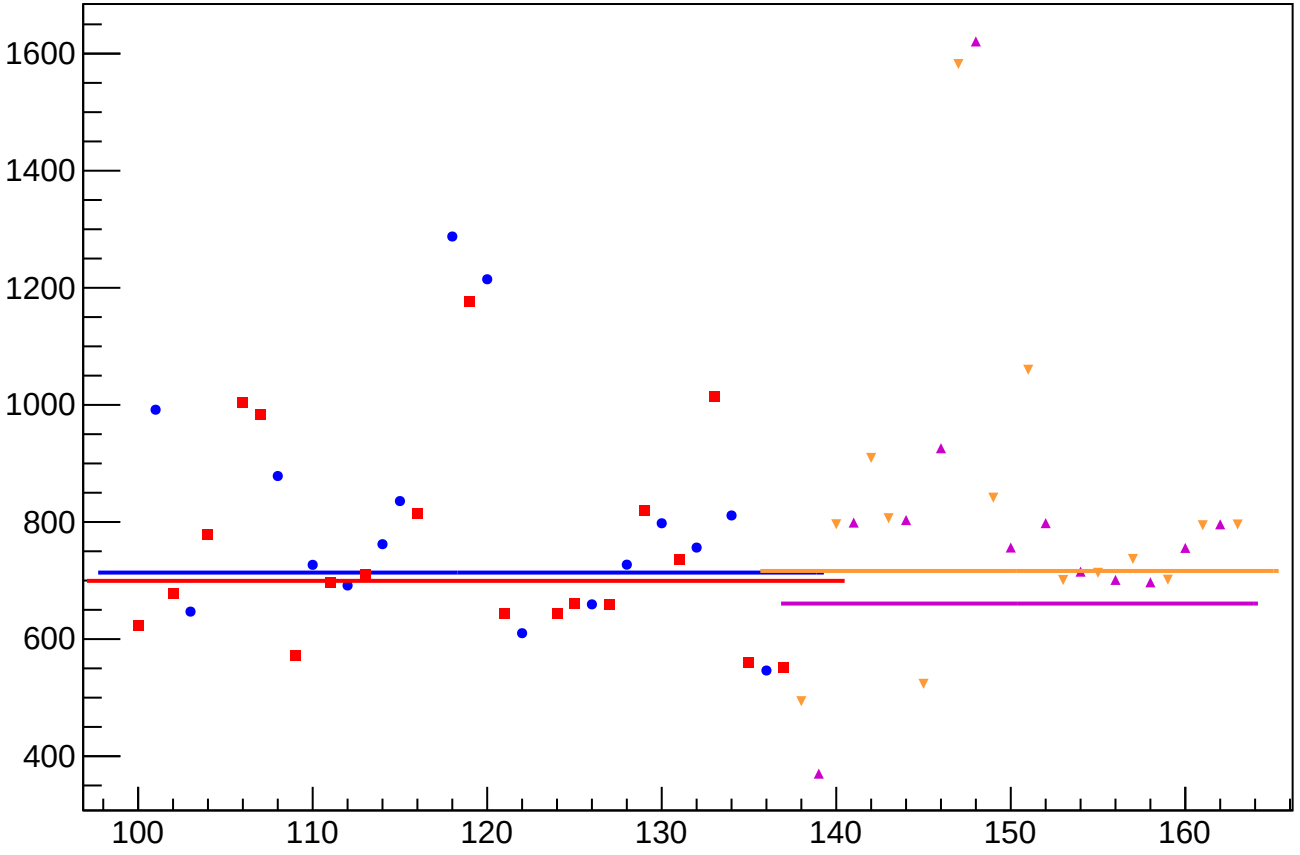
Left In: -0.005+/-0.219 χ^2/NDF:6.4/11

+ sign -0.011+/-0.173 χ^2/NDF: 17.3/29

All: -0.009+/-0.121 χ^2/NDF: 48.9/60

- sign -0.008+/-0.168 χ^2/NDF: 31.6/30

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 716.398+/-0.159 χ^2/NDF:1256462.1/13

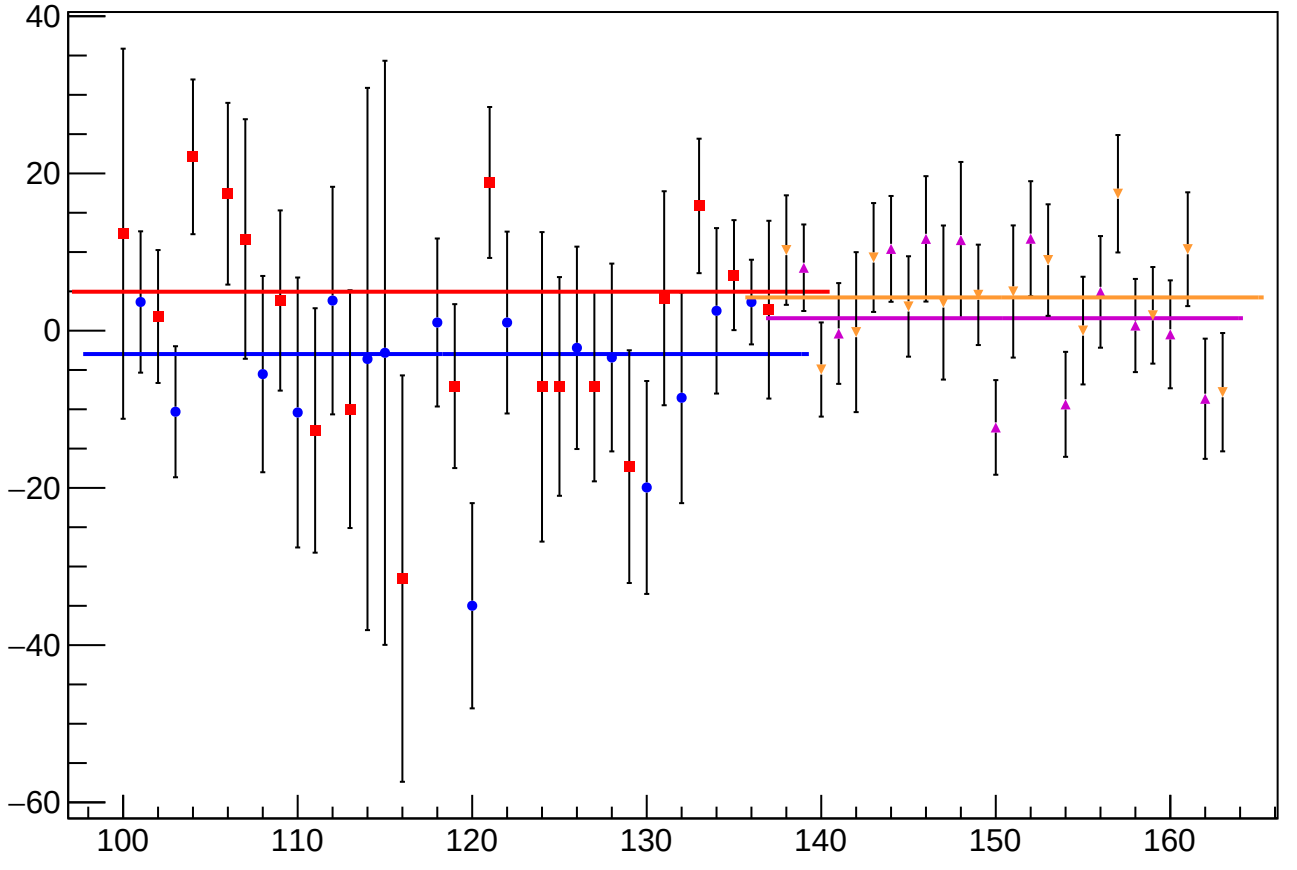
Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 660.703+/-0.155 χ^2/NDF:1999357.0/11

+ sign 715.281+/-0.123 χ^2/NDF: 1955888.8/29

All: 695.341+/-0.085 χ^2/NDF: 4608025.0/60

- sign 676.566+/-0.119 χ^2/NDF: 2600809.0/30



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.230+/-1.907 χ^2/NDF:11.2/13

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

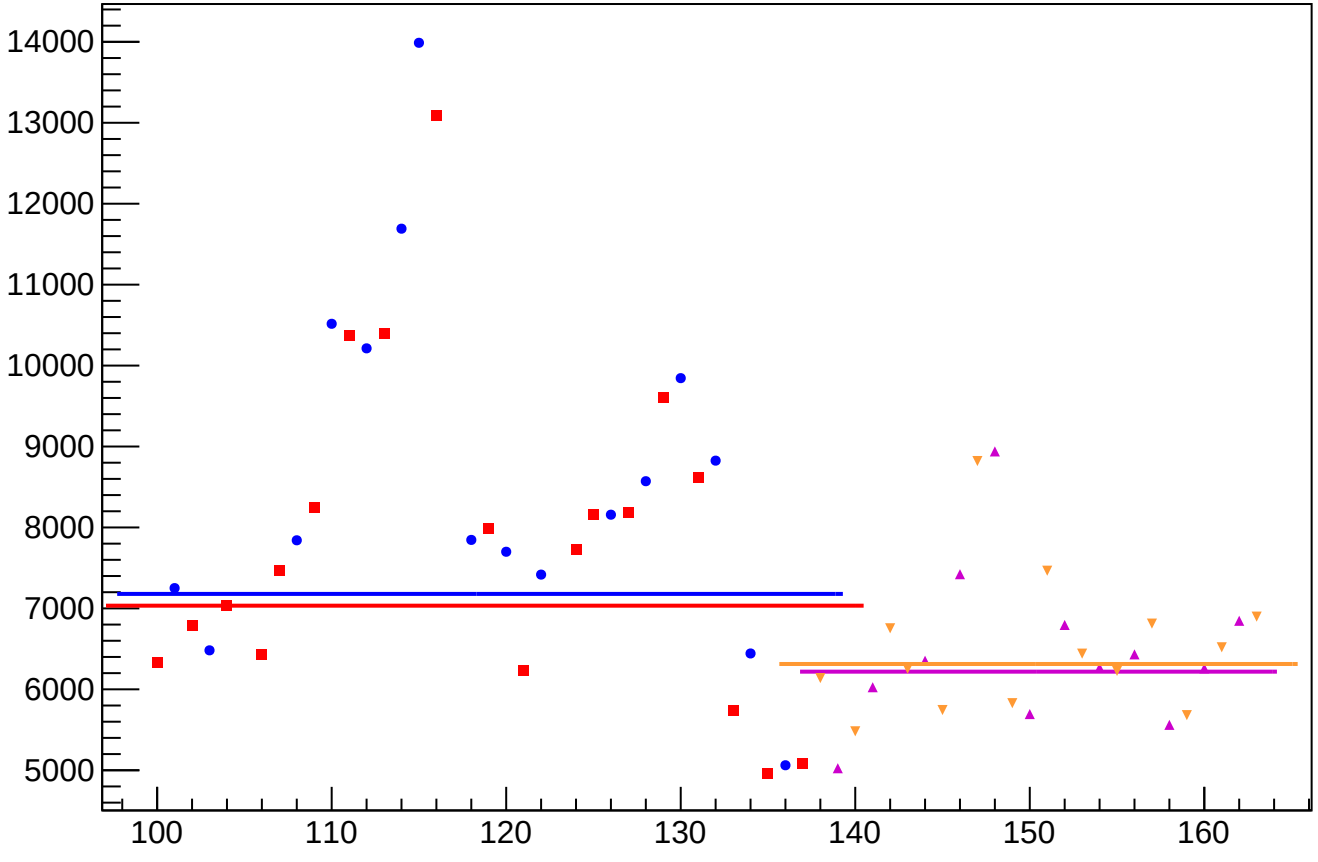
Left In: 1.586+/-1.959 χ^2/NDF:17.8/11

+ sign 1.886+/-1.566 χ^2/NDF: 27.4/29

All: 2.328+/-1.111 χ^2/NDF: 65.0/60

- sign 2.774+/-1.576 χ^2/NDF: 37.3/30

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.108+/-1.349 χ^2/NDF:284361.3/13

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

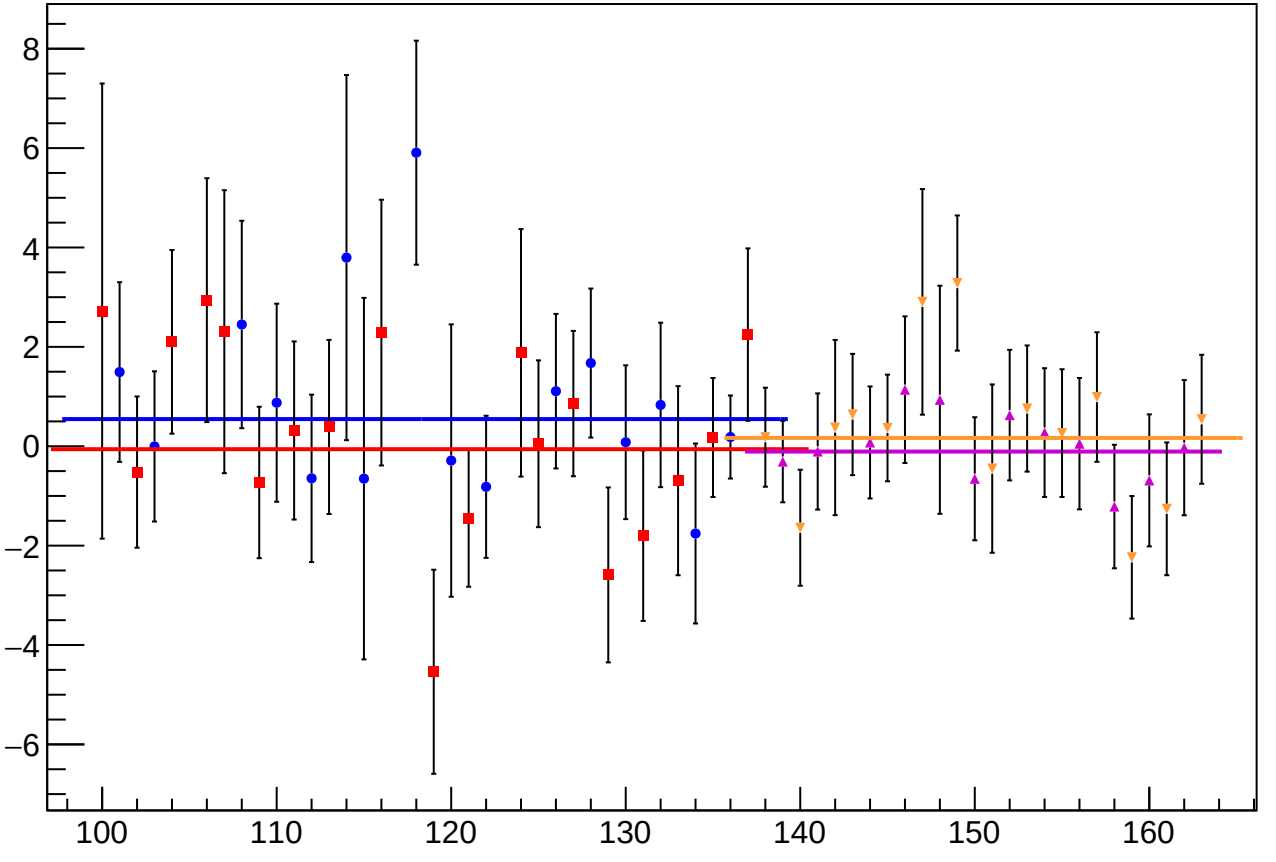
Left In: 6218.272+/-1.385 χ^2/NDF:359935.2/11

+ sign 6594.848+/-1.108 χ^2/NDF: 1180422.3/29

All: 6550.635+/-0.786 χ^2/NDF: 2432171.3/60

- sign 6505.887+/-1.114 χ^2/NDF: 1248543.2/30

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.168+/-0.347 χ^2/NDF:15.1/13

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

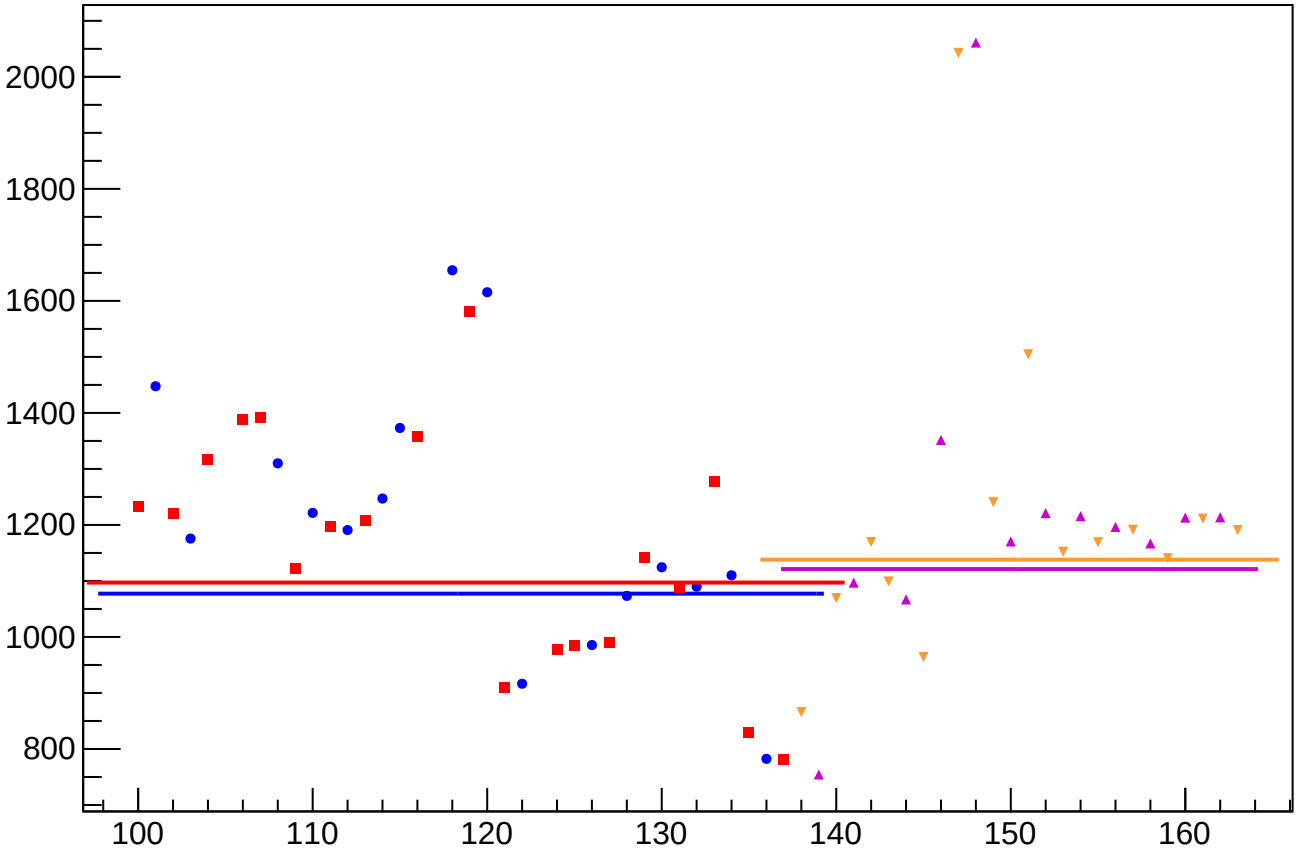
Left In: -0.107+/-0.358 χ^2/NDF:2.6/11

+ sign 0.325+/-0.265 χ^2/NDF: 27.5/29

All: 0.123+/-0.189 χ^2/NDF: 48.2/60

- sign -0.086+/-0.269 χ^2/NDF: 19.5/30

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1138.041+/-0.245 χ^2/NDF:648175.1/13

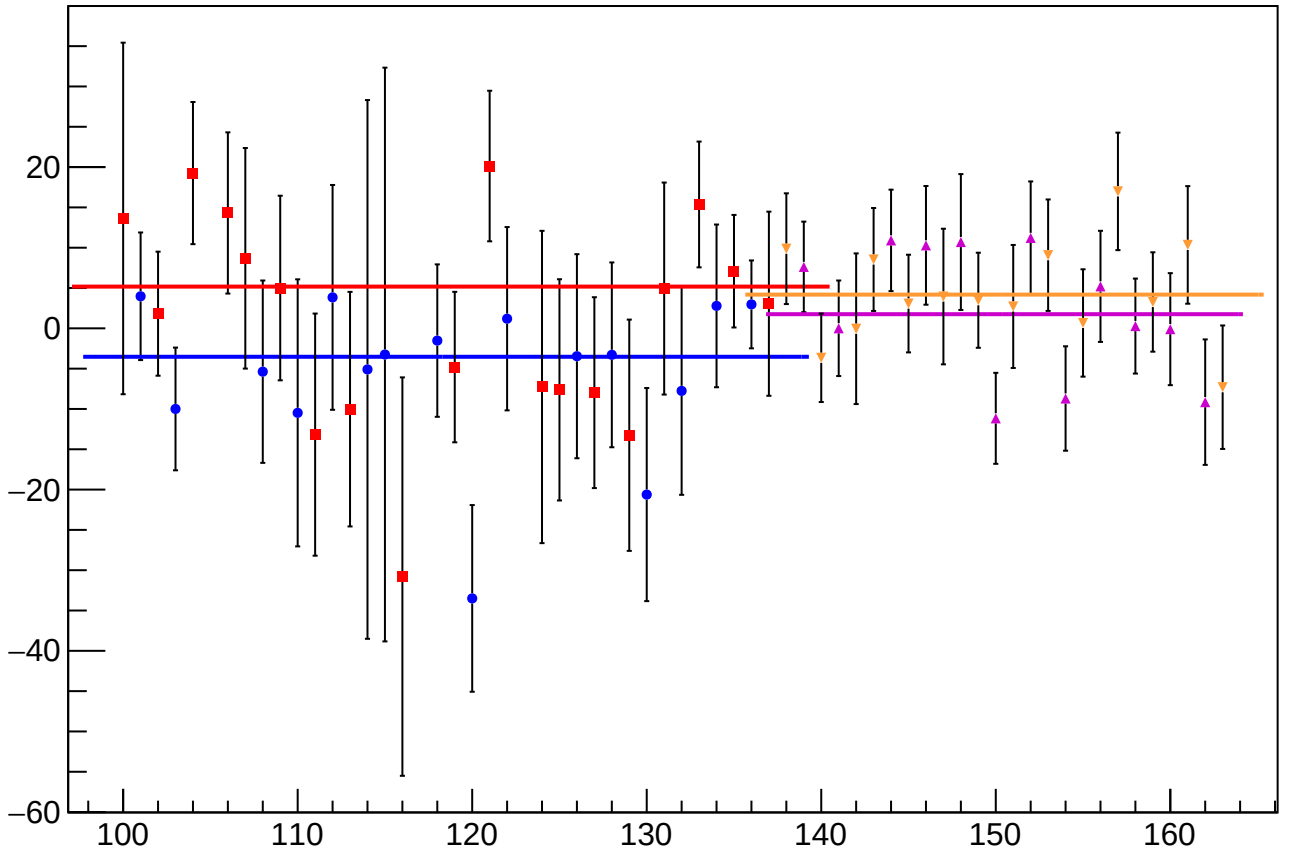
Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1121.160+/-0.253 χ^2/NDF:843135.0/11

+ sign 1112.767+/-0.187 χ^2/NDF: 1320212.6/29

All: 1111.763+/-0.134 χ^2/NDF: 2651696.1/60

- sign 1110.727+/-0.190 χ^2/NDF: 1331425.1/30



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.183+/-1.819 χ^2/NDF:10.3/13

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

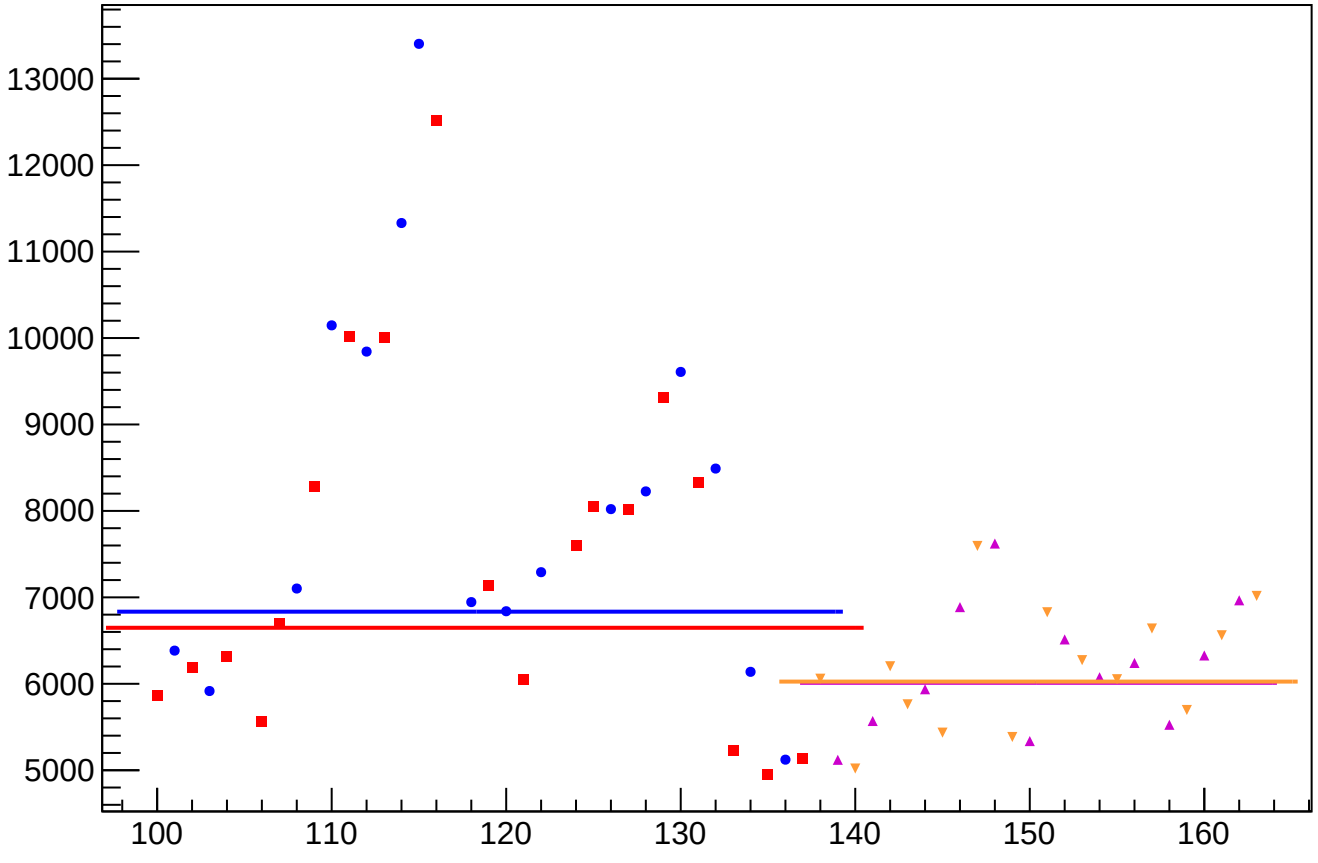
Left In: 1.755+/-1.887 χ^2/NDF:17.8/11

+ sign 1.660+/-1.492 χ^2/NDF: 28.8/29

All: 2.319+/-1.061 χ^2/NDF: 66.4/60

- sign 2.992+/-1.508 χ^2/NDF: 37.2/30

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6025.556+/-1.286 χ^2/NDF:272519.7/13

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

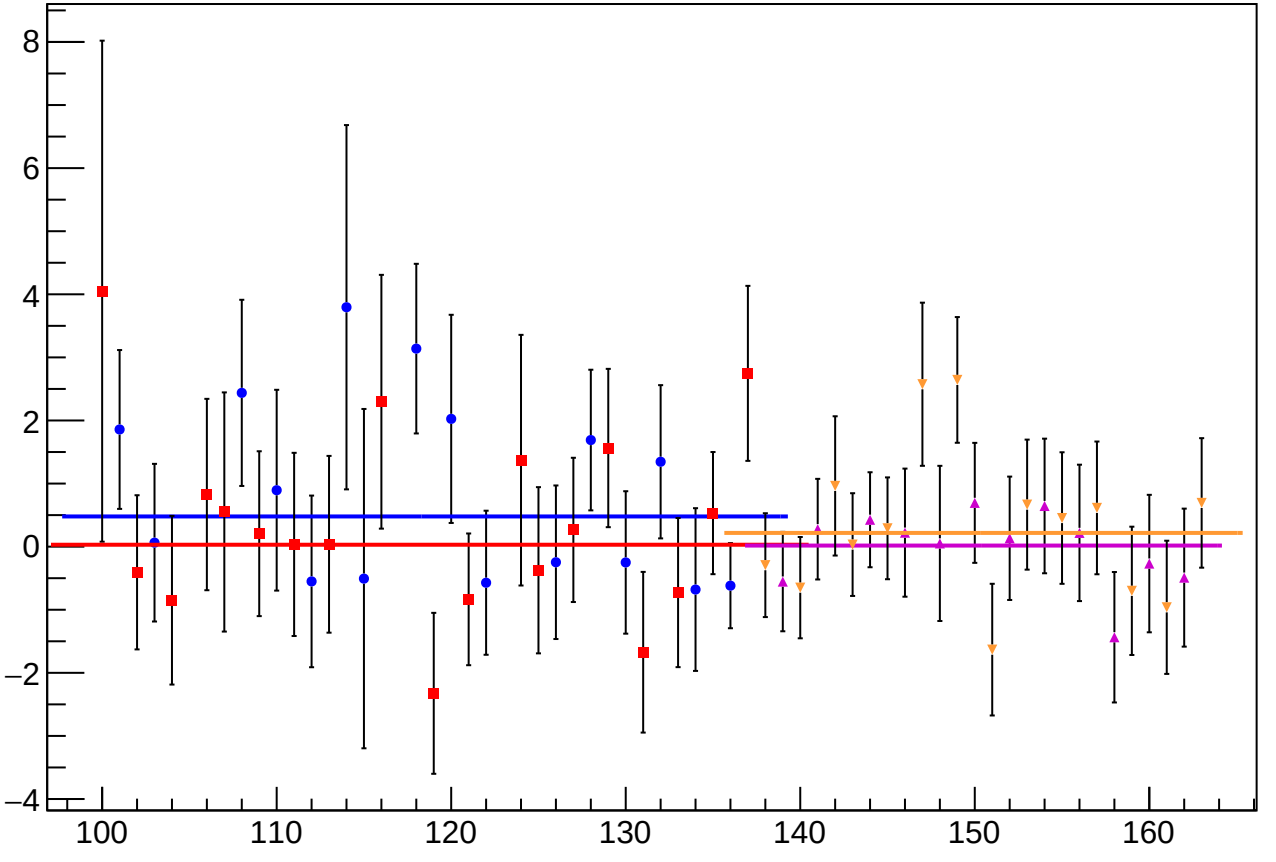
Left In: 6011.194+/-1.334 χ^2/NDF:252199.5/11

+ sign 6290.215+/-1.055 χ^2/NDF: 1094633.0/29

All: 6266.074+/-0.750 χ^2/NDF: 2215321.3/60

- sign 6241.412+/-1.066 χ^2/NDF: 1119629.7/30

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.218+/-0.258 χ^2/NDF:17.1/13

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

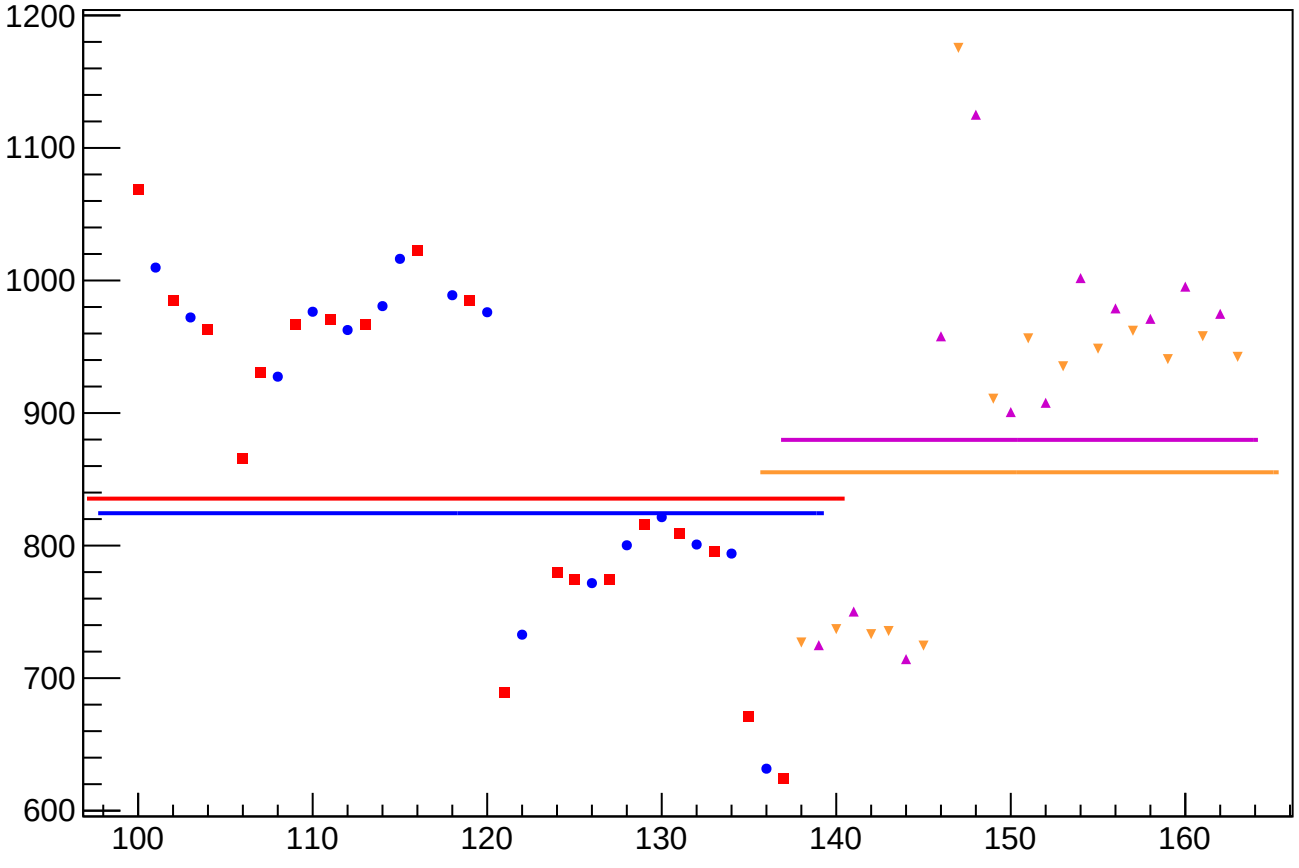
Left In: 0.017+/-0.277 χ^2/NDF:4.1/11

+ sign 0.324+/-0.199 χ^2/NDF: 34.3/29

All: 0.179+/-0.143 χ^2/NDF: 55.2/60

- sign 0.023+/-0.206 χ^2/NDF: 19.8/30

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 855.312+/-0.183 χ^2/NDF:456078.4/13

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

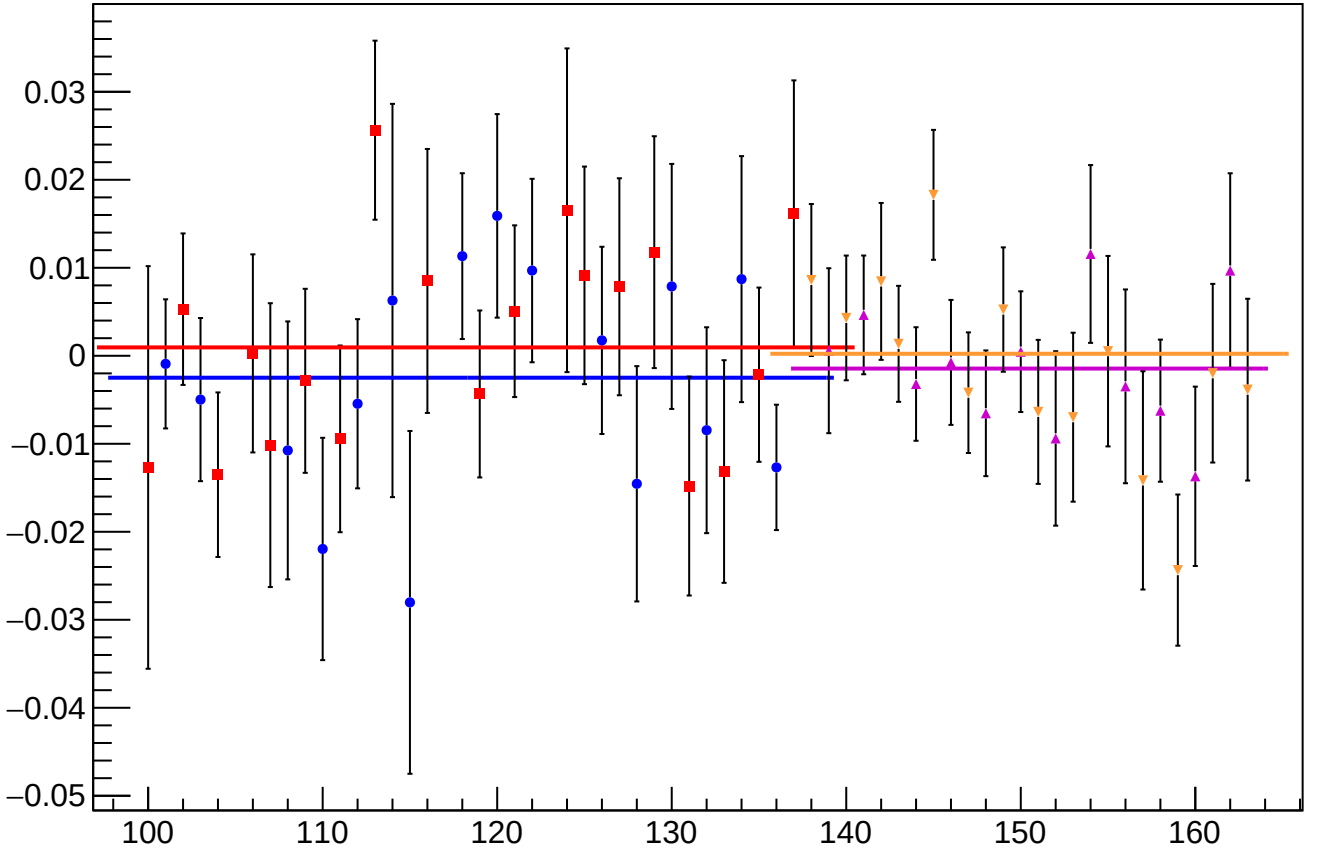
Left In: 879.764+/-0.196 χ^2/NDF:416921.1/11

+ sign 842.699+/-0.140 χ^2/NDF: 833221.4/29

All: 851.048+/-0.101 χ^2/NDF: 1599668.9/60

- sign 860.021+/-0.146 χ^2/NDF: 759116.9/30

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.0/13

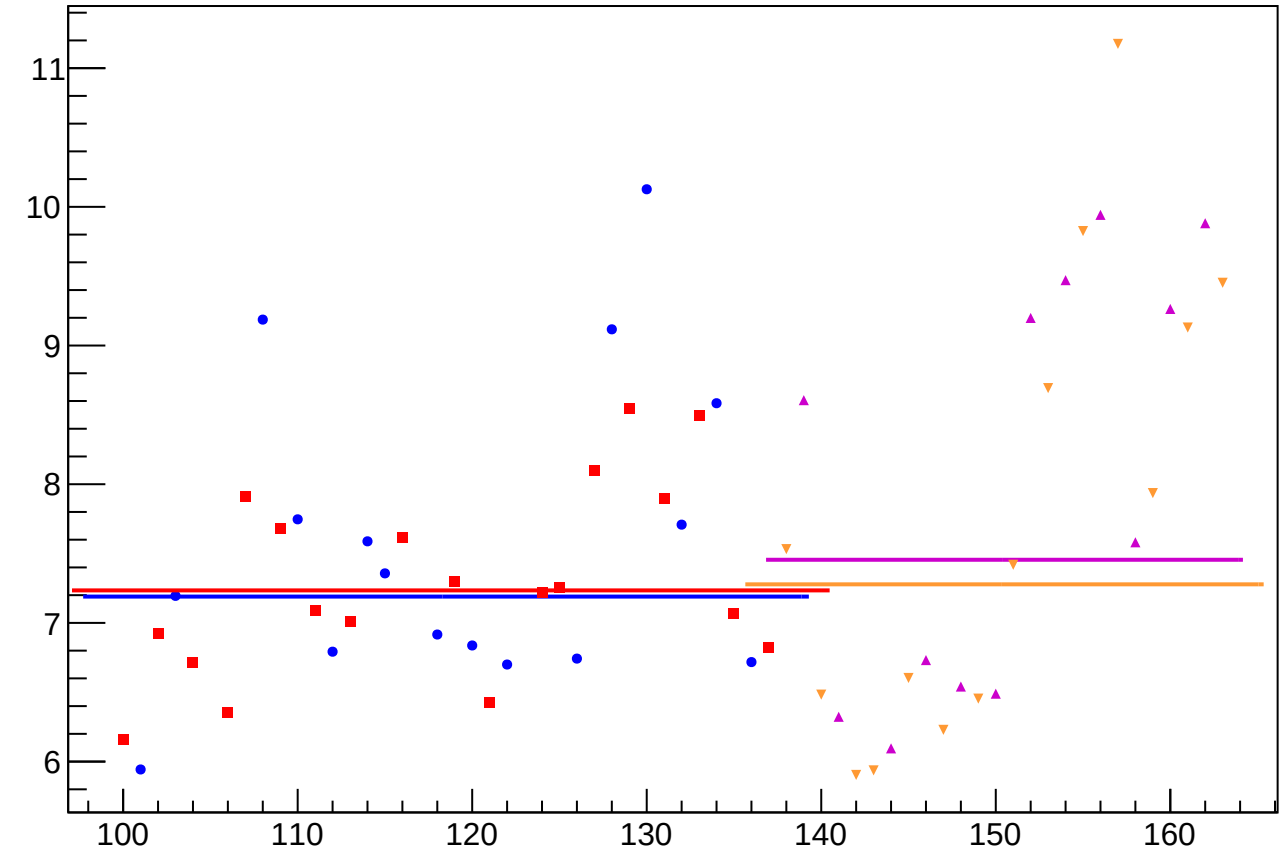
Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.001+/-0.002 χ^2/NDF:6.7/11

+ sign -0.001+/-0.002 χ^2/NDF: 35.9/29

All: -0.001+/-0.001 χ^2/NDF: 60.4/60

- sign -0.000+/-0.002 χ^2/NDF: 24.4/30



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.278+/-0.002 χ^2/NDF:767362.4/13

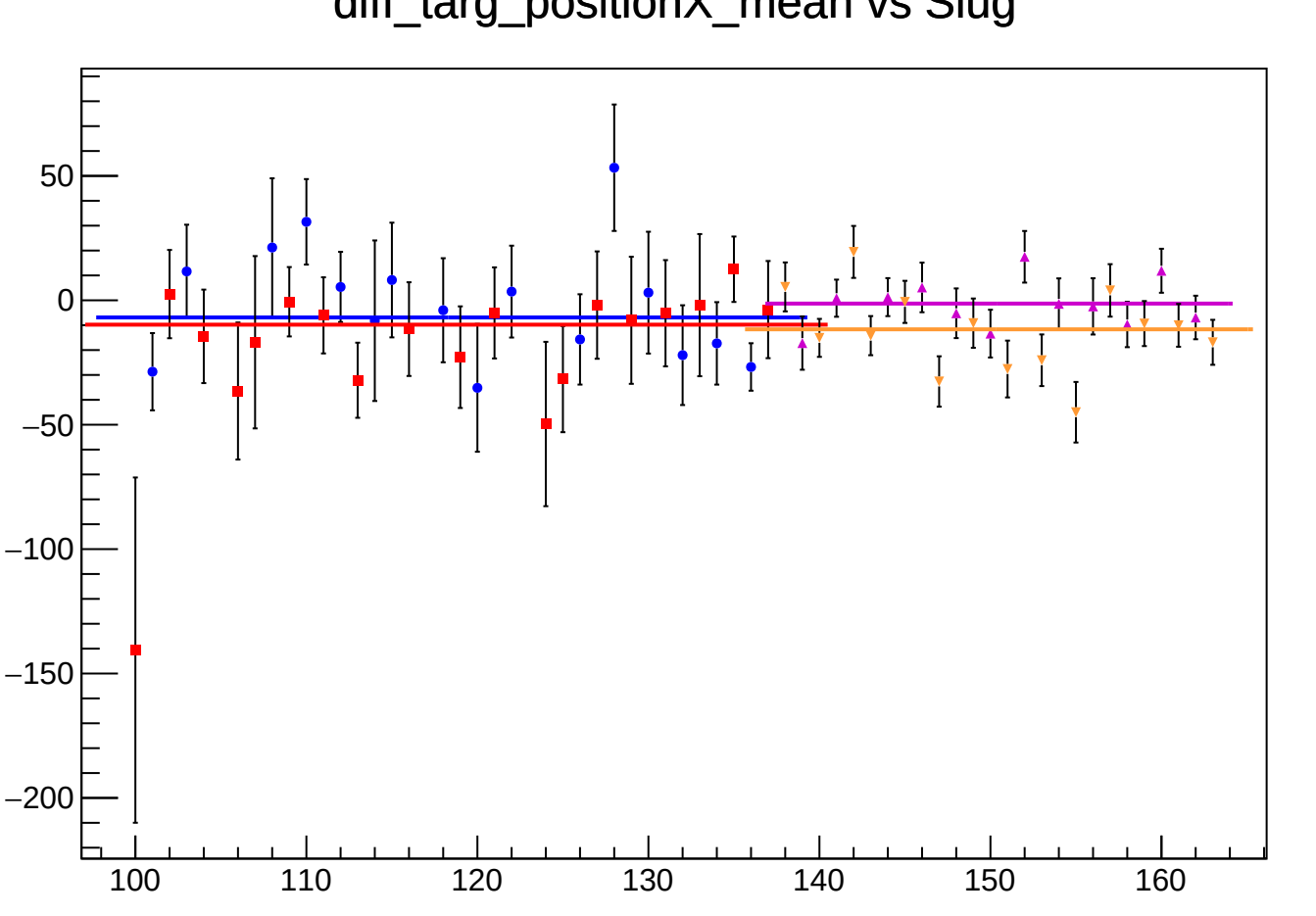
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.455+/-0.002 χ^2/NDF:671923.2/11

+ sign 7.243+/-0.001 χ^2/NDF: 1046271.7/29

All: 7.299+/-0.001 χ^2/NDF: 1836560.0/60

- sign 7.358+/-0.001 χ^2/NDF: 785903.4/30



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.661+/-2.521 χ^2/NDF:31.7/13

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

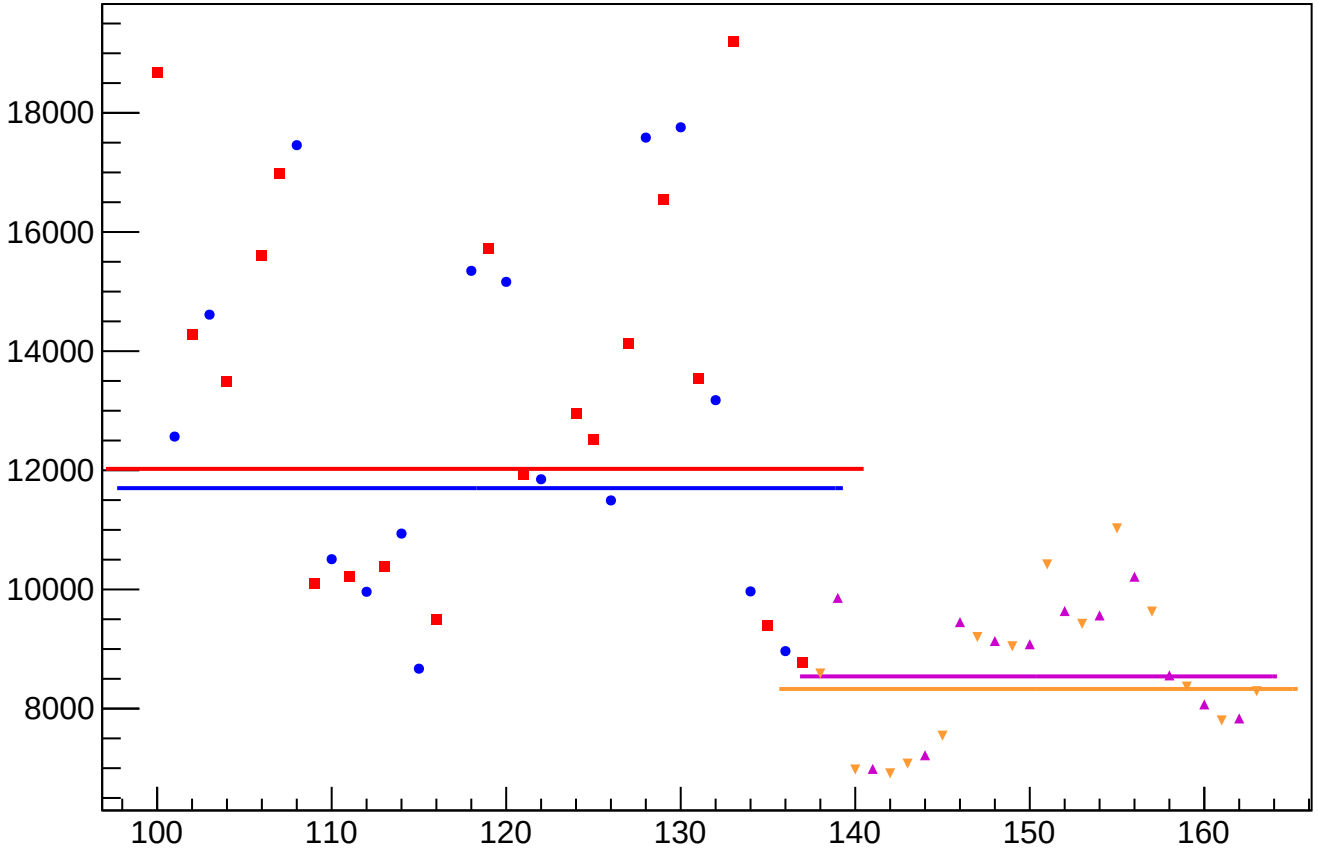
Left In: -1.315+/-2.679 χ^2/NDF:11.3/11

+ sign -10.517+/-2.198 χ^2/NDF: 55.6/29

All: -7.184+/-1.590 χ^2/NDF: 88.4/60

- sign -3.520+/-2.304 χ^2/NDF: 27.9/30

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8329.803+/-1.783 χ^2/NDF:419468.2/13

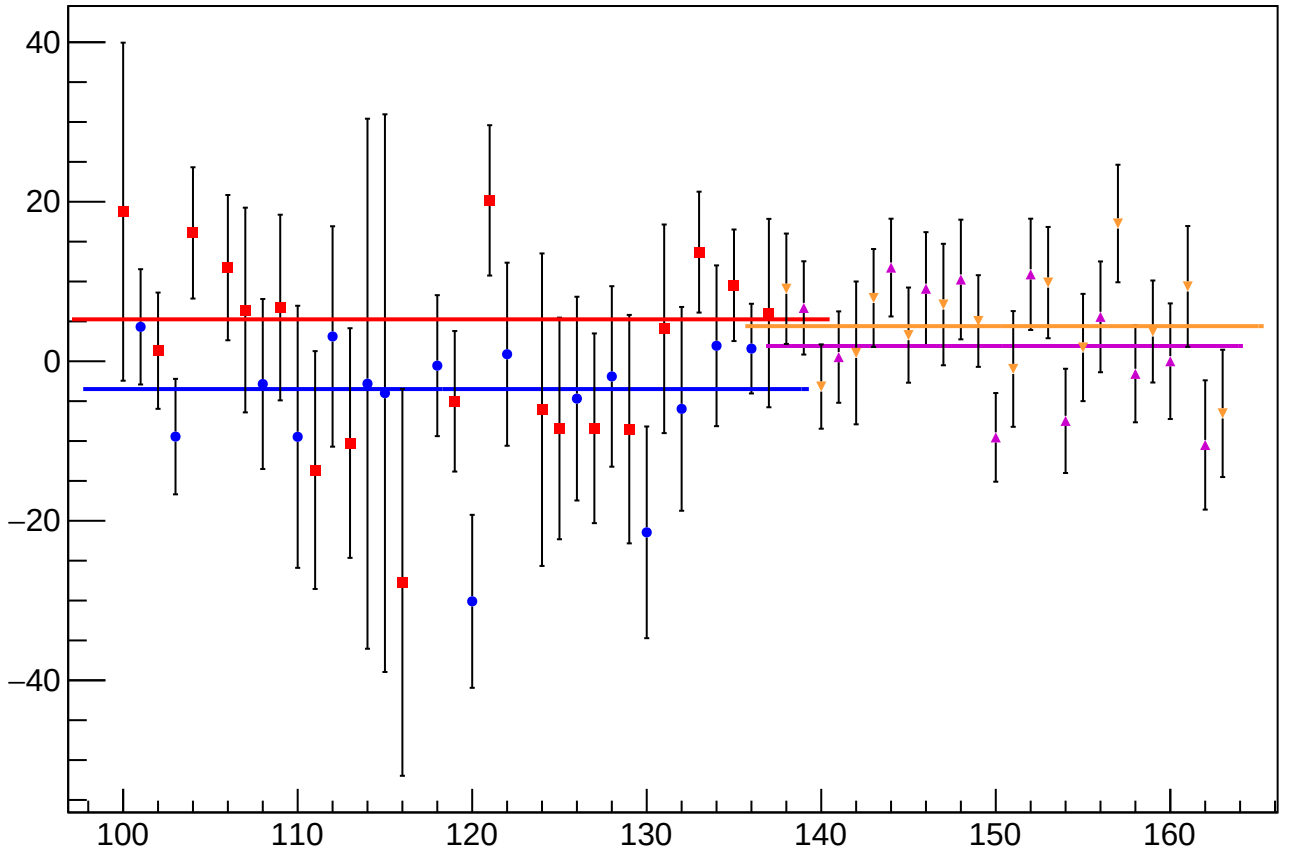
Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8540.612+/-1.894 χ^2/NDF:311853.7/11

+ sign 9138.124+/-1.554 χ^2/NDF: 2017198.5/29

All: 9285.299+/-1.125 χ^2/NDF: 3912582.5/60

- sign 9447.068+/-1.629 χ^2/NDF: 1876559.5/30



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.404+/-1.799 χ^2/NDF:9.8/13

Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

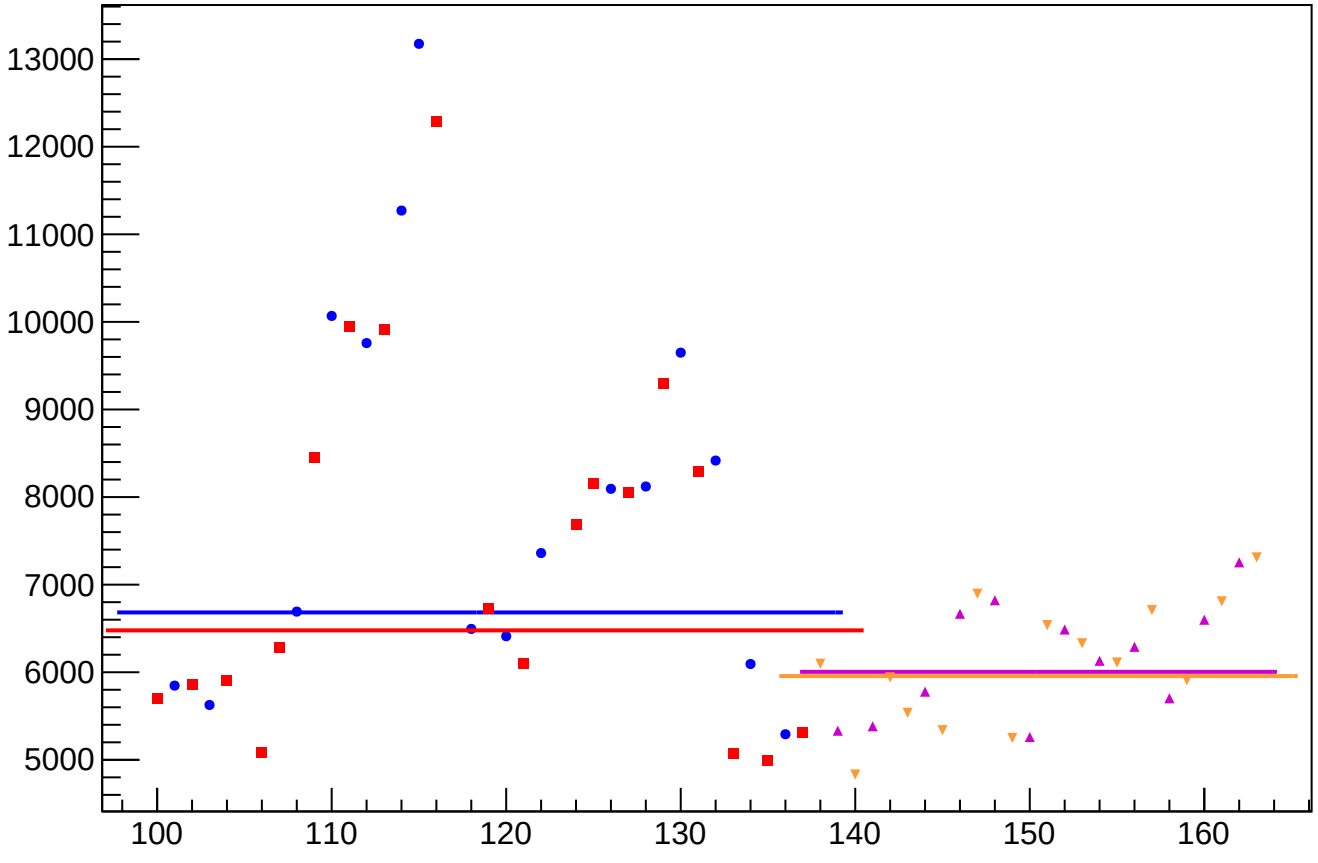
Left In: 1.916+/-1.882 χ^2/NDF:16.5/11

+ sign 1.782+/-1.470 χ^2/NDF: 27.7/29

All: 2.460+/-1.047 χ^2/NDF: 62.5/60

- sign 3.159+/-1.492 χ^2/NDF: 34.3/30

diff_targ_positionY_rms vs Slug



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5956.220+/-1.272 χ^2/NDF:306463.2/13

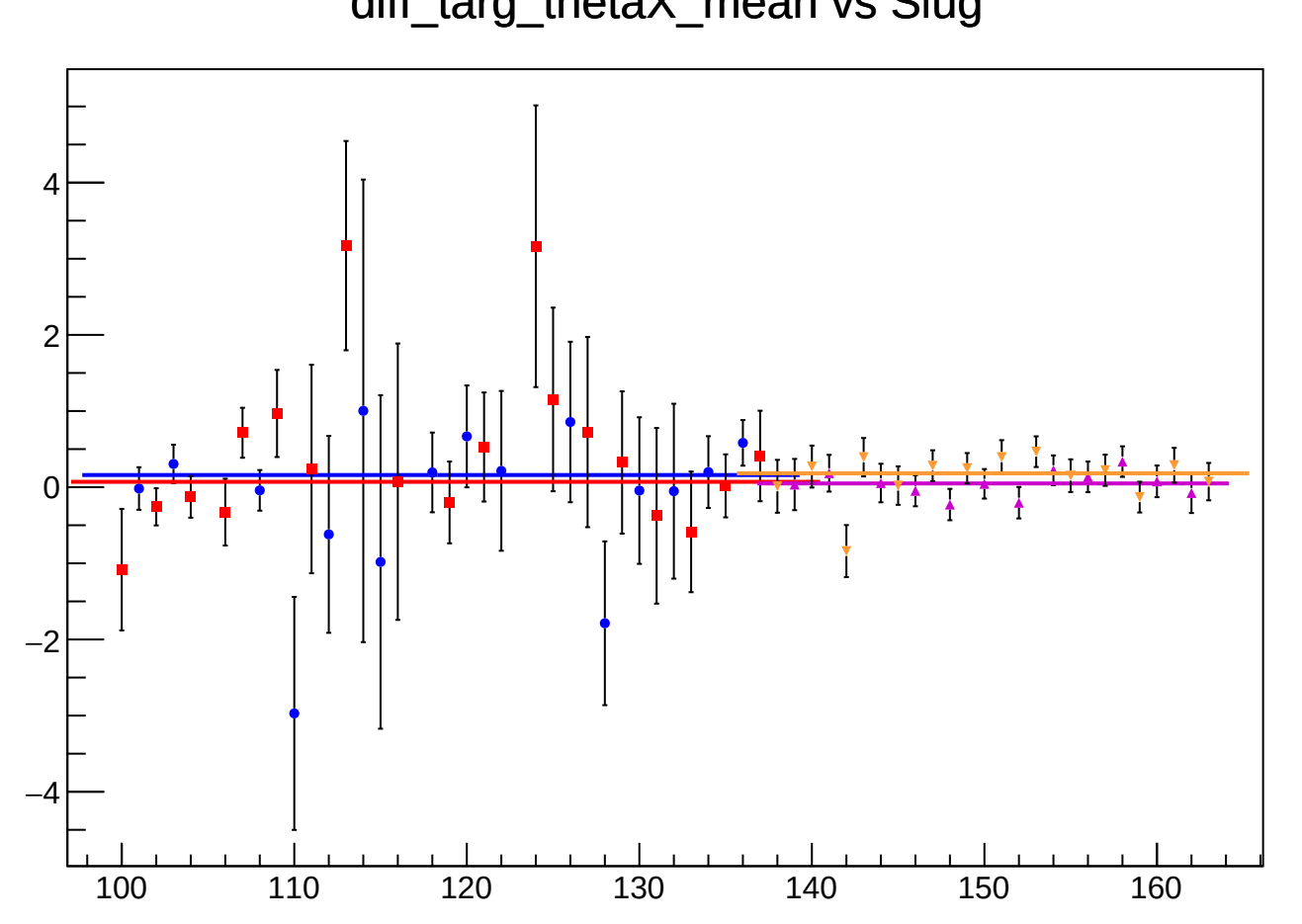
Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6004.830+/-1.331 χ^2/NDF:209486.0/11

+ sign 6197.781+/-1.039 χ^2/NDF: 1107155.2/29

All: 6189.414+/-0.740 χ^2/NDF: 2203028.9/60

- sign 6180.798+/-1.055 χ^2/NDF: 1095742.2/30



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.182+/-0.062 χ^2/NDF:16.5/13

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

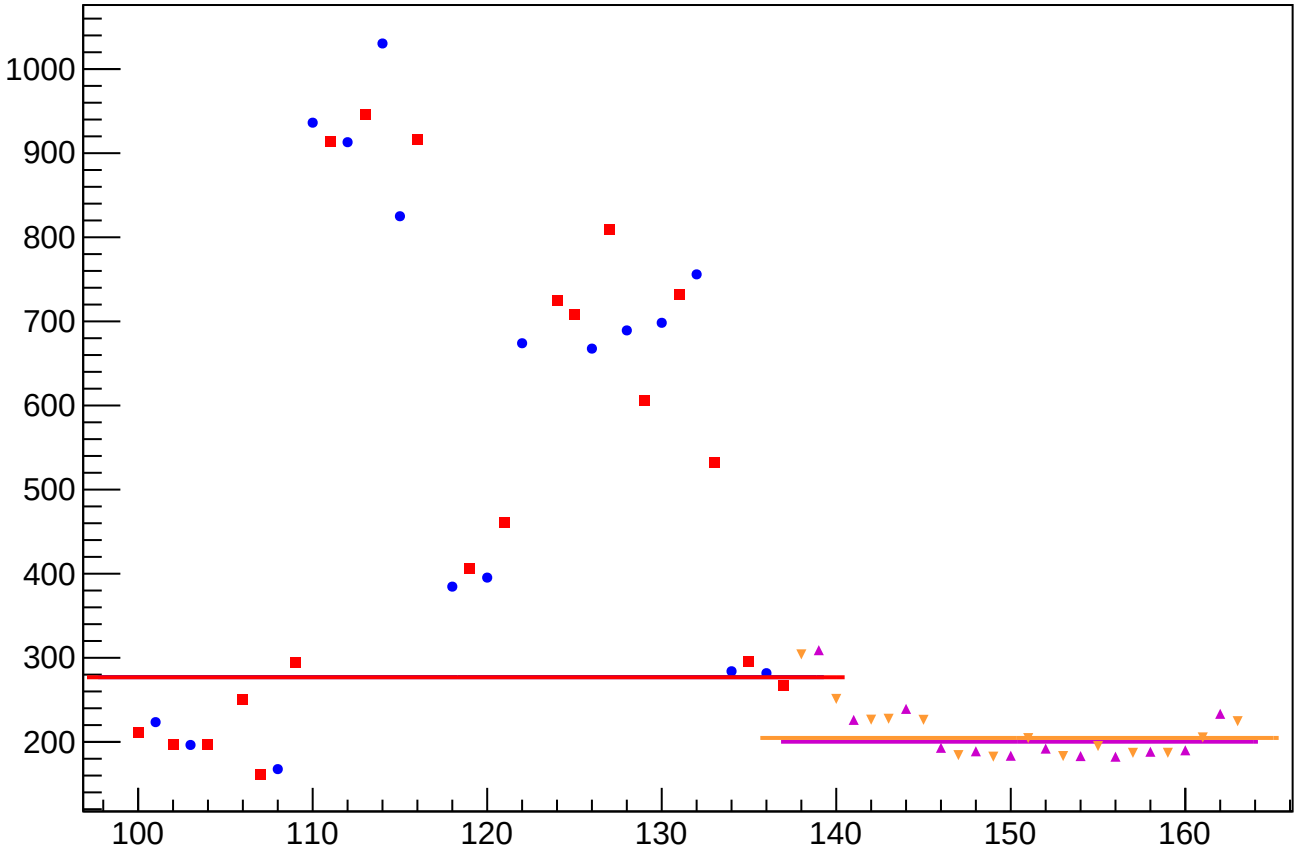
Left In: 0.049+/-0.063 χ^2/NDF:7.1/11

+ sign 0.177+/-0.055 χ^2/NDF: 29.1/29

All: 0.116+/-0.039 χ^2/NDF: 61.2/60

- sign 0.054+/-0.056 χ^2/NDF: 29.6/30

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 204.720+/-0.044 χ^2/NDF:374949.1/13

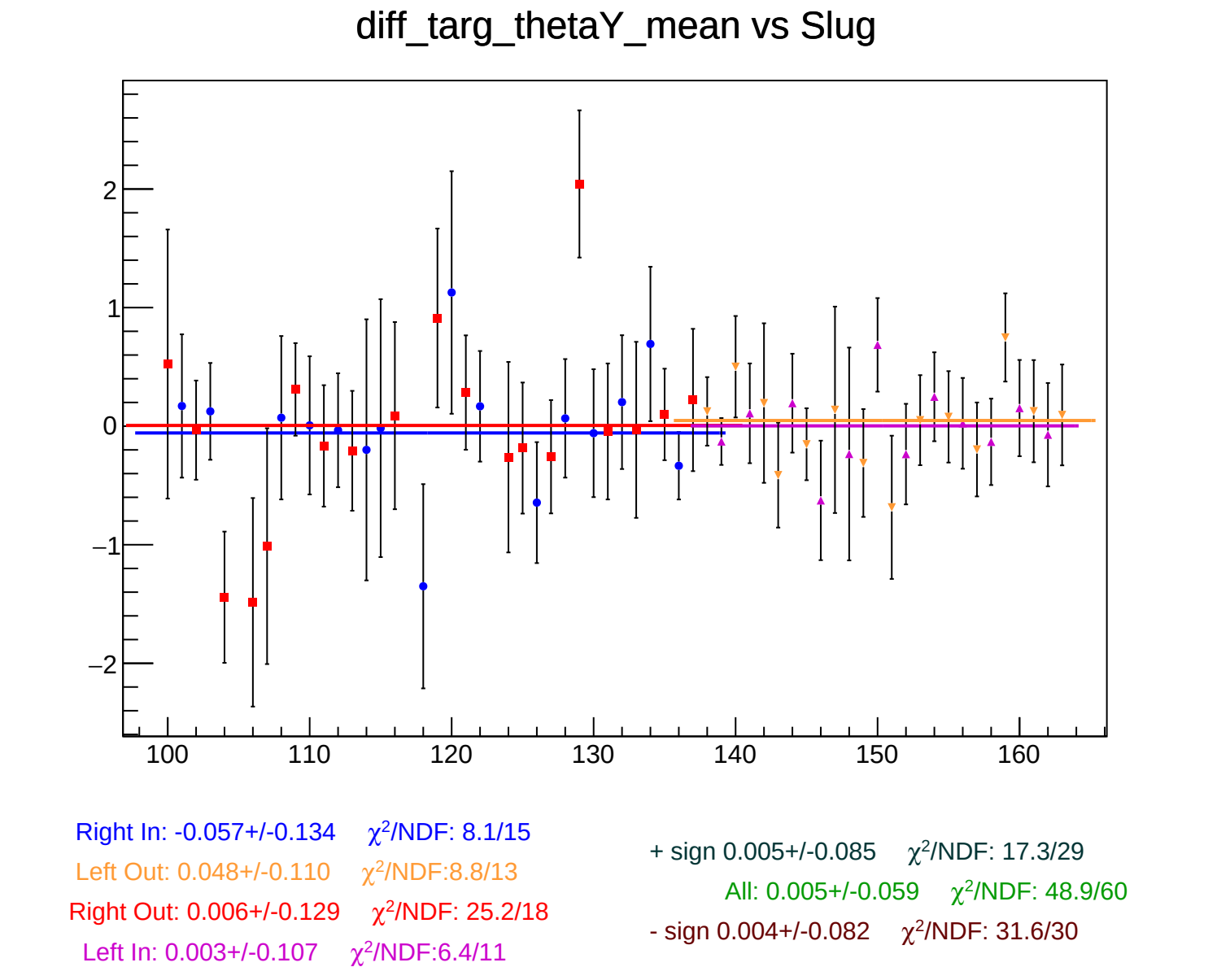
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 200.248+/-0.044 χ^2/NDF:381141.6/11

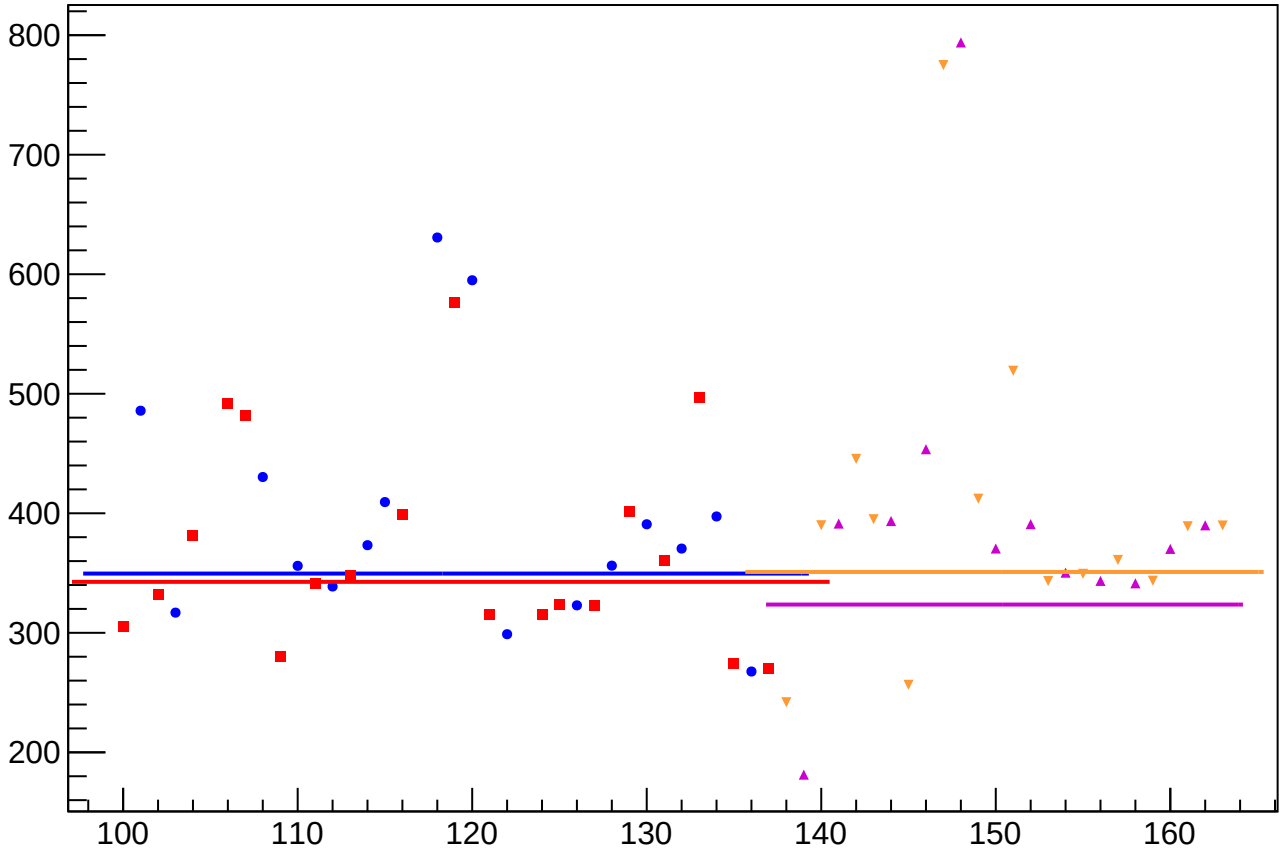
+ sign 219.986+/-0.039 χ^2/NDF: 4402169.7/29

All: 218.433+/-0.028 χ^2/NDF: 9000166.9/60

- sign 216.838+/-0.039 χ^2/NDF: 4594760.1/30


diff_targ_thetaY_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.048+/-0.110 χ²/NDF:8.8/13
Right Out: 0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.003+/-0.107 χ²/NDF:6.4/11
+ sign 0.005+/-0.085 χ²/NDF: 17.3/29
All: 0.005+/-0.059 χ²/NDF: 48.9/60
- sign 0.004+/-0.082 χ²/NDF: 31.6/30

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 350.917+/-0.078 χ^2/NDF:1256462.1/13

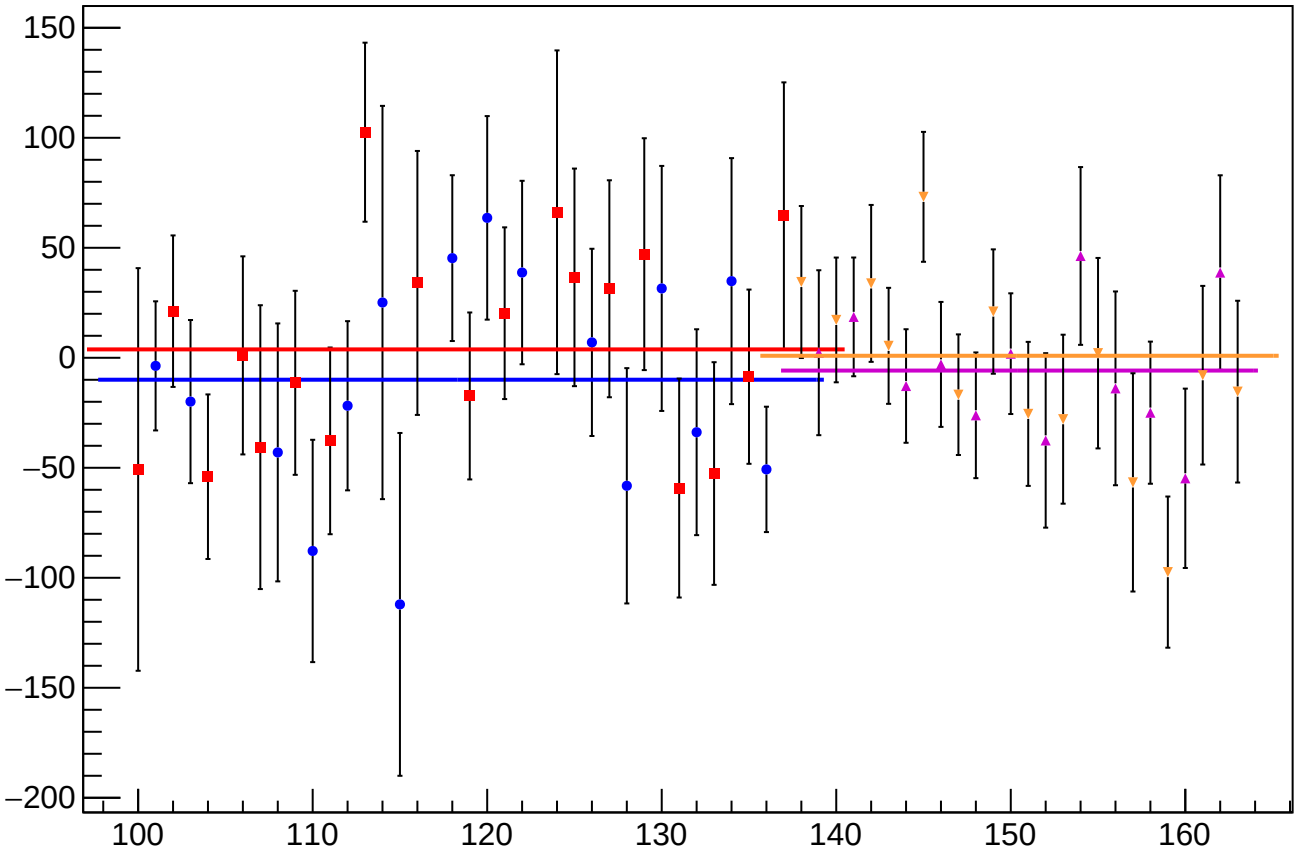
Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 323.636+/-0.076 χ^2/NDF:1999357.0/11

+ sign 350.370+/-0.060 χ^2/NDF: 1955888.8/29

All: 340.603+/-0.042 χ^2/NDF: 4608025.0/60

- sign 331.406+/-0.058 χ^2/NDF: 2600809.0/30



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

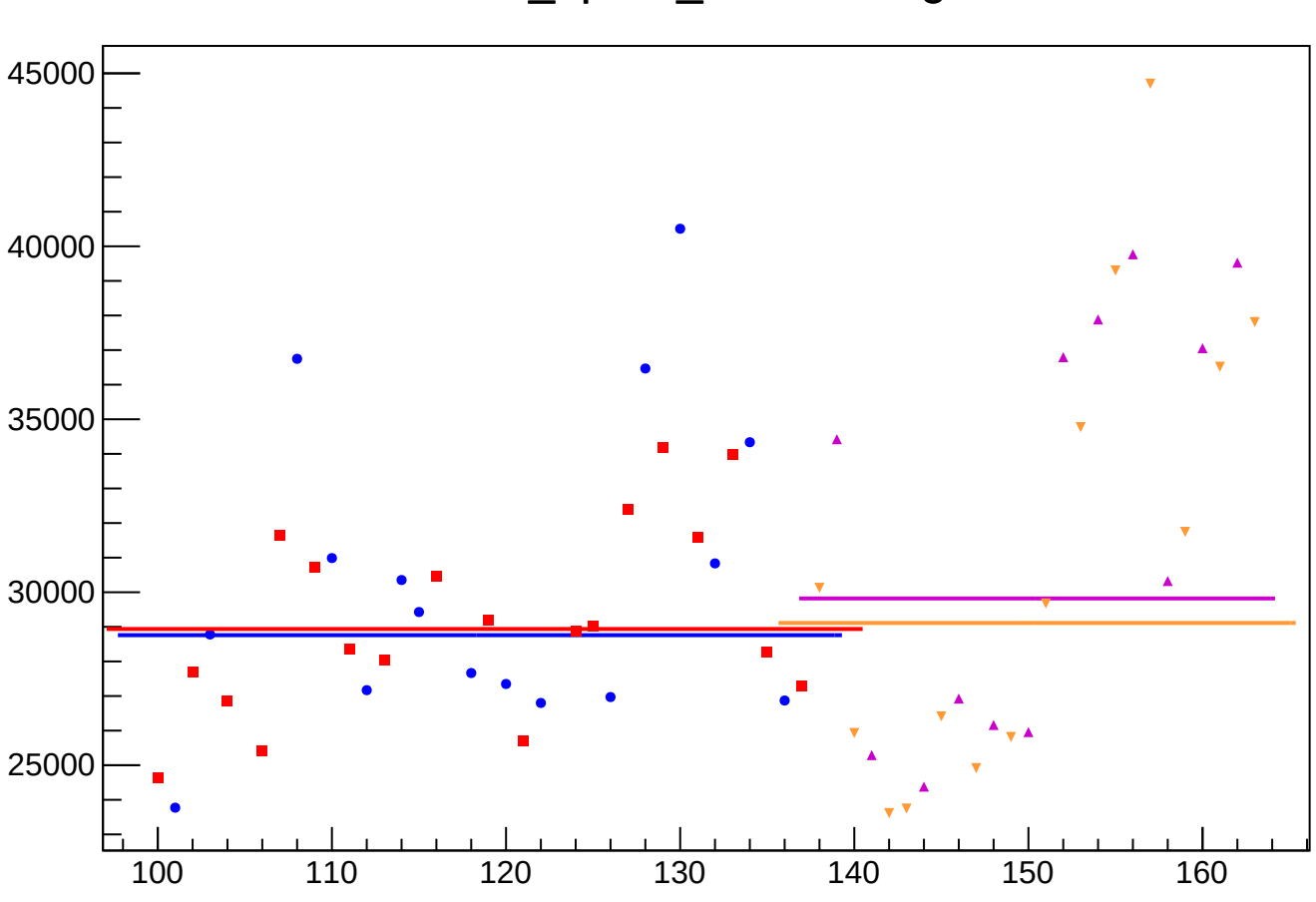
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -5.807+/-9.443 χ^2/NDF:6.7/11

+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -2.543+/-4.927 χ^2/NDF: 60.4/60

- sign -1.567+/-7.062 χ^2/NDF: 24.4/30



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

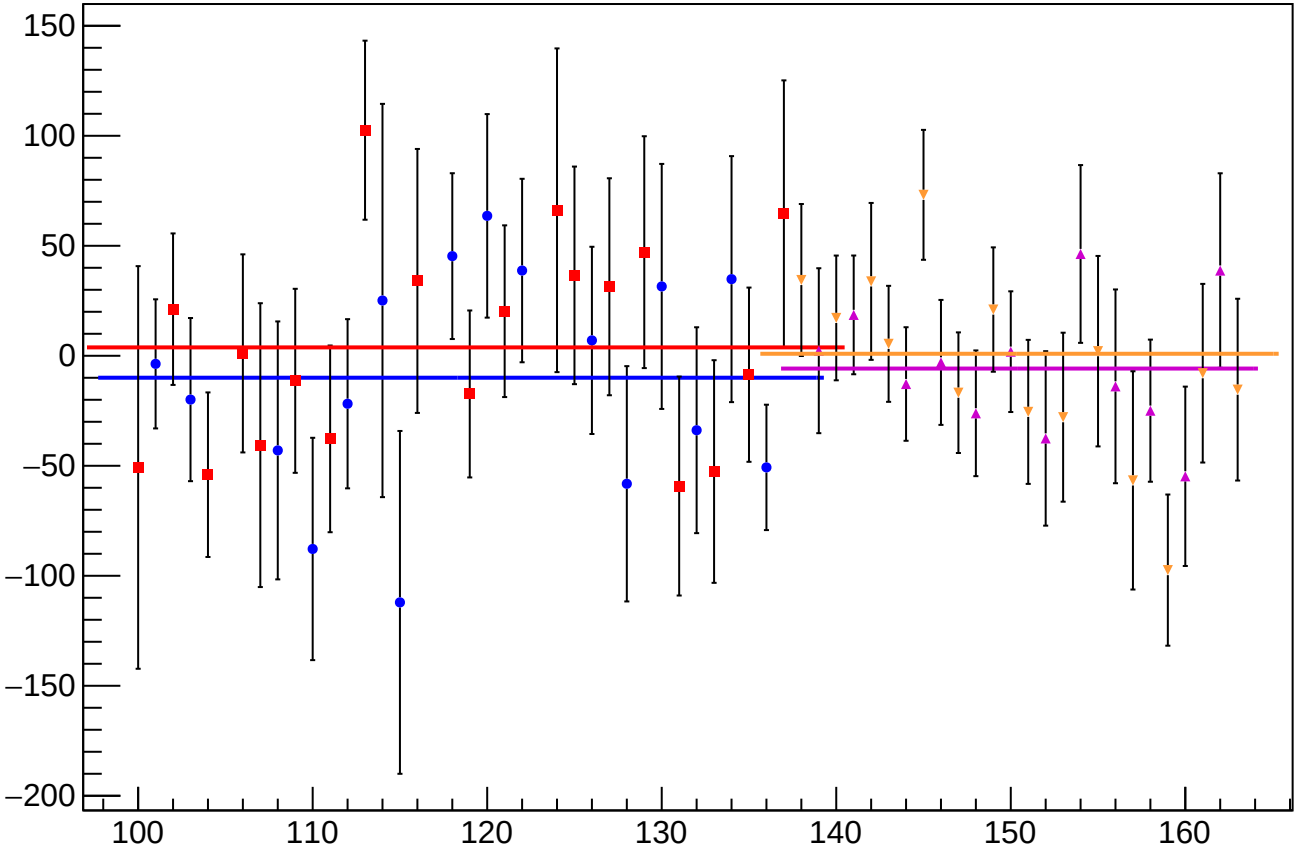
Left In: 29820.971+/-6.677 χ^2/NDF:671923.2/11

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29194.743+/-3.484 χ^2/NDF: 1836560.0/6

- sign 29431.612+/-4.993 χ^2/NDF: 785903.4/30

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

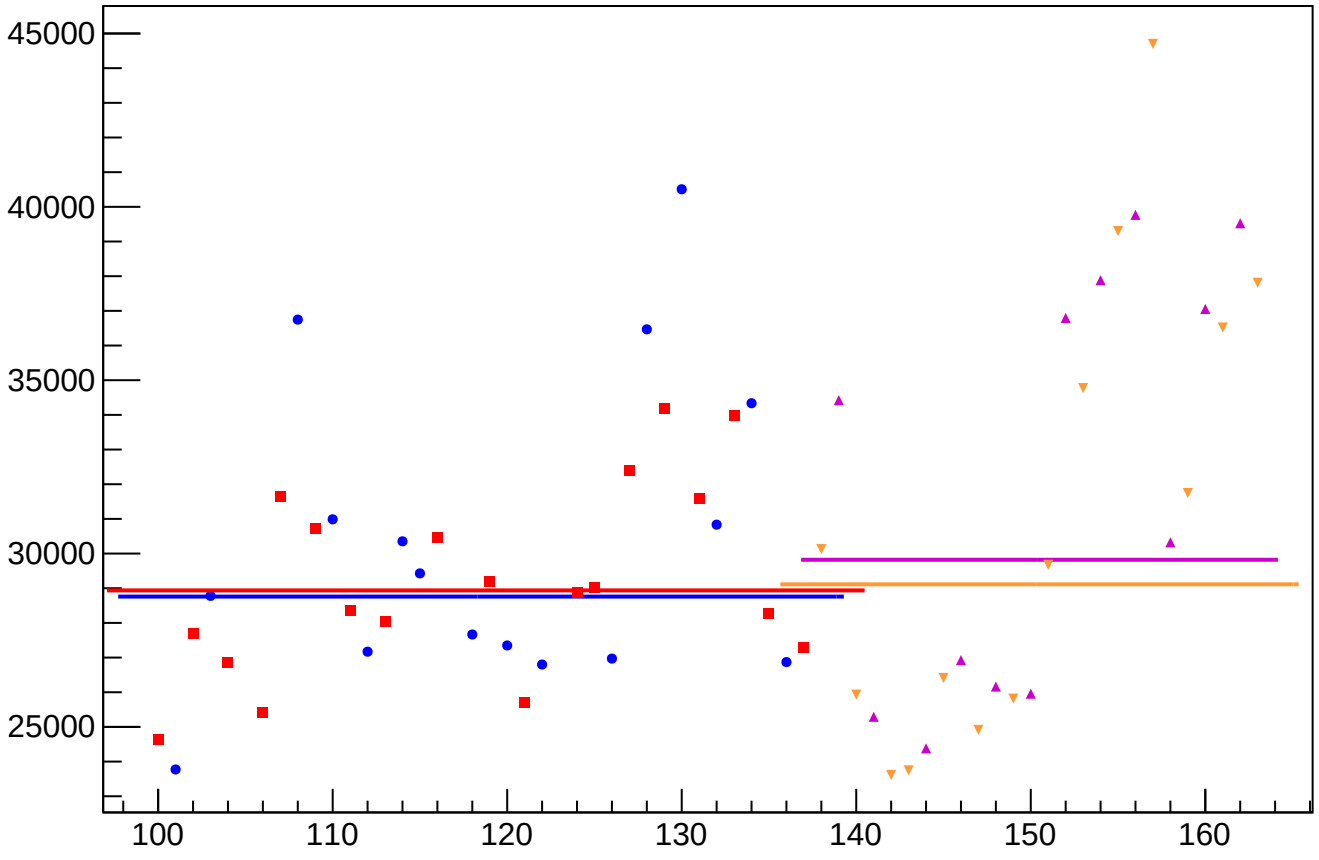
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -5.807+/-9.443 χ^2/NDF:6.7/11

\+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -2.543+/-4.927 χ^2/NDF: 60.4/60

\- sign -1.567+/-7.062 χ^2/NDF: 24.4/30



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

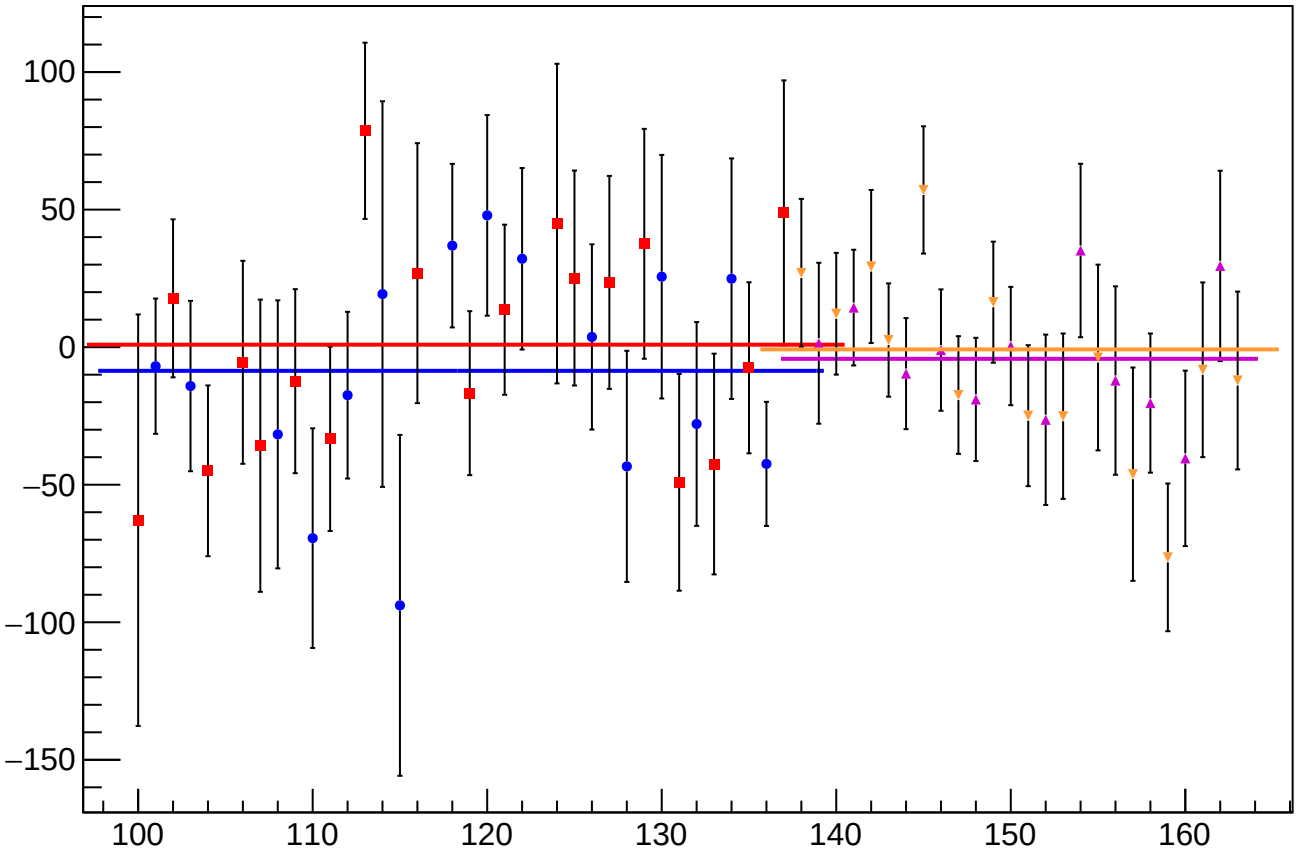
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29820.971+/-6.677 χ^2/NDF:671923.2/11

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29194.743+/-3.484 χ^2/NDF: 1836560.0/6

- sign 29431.612+/-4.993 χ^2/NDF: 785903.4/30



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.813+/-6.951 χ^2/NDF:21.1/13

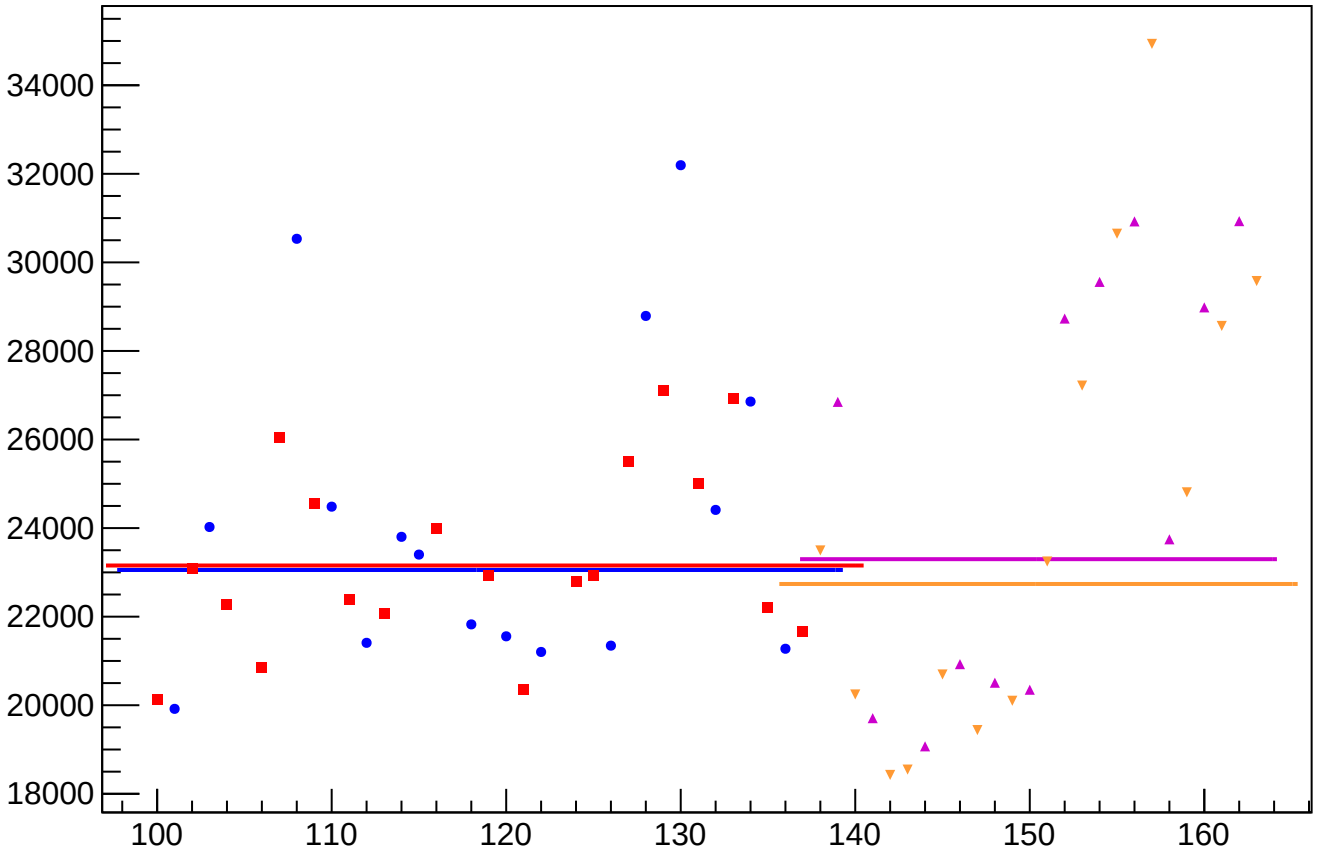
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -4.239+/-7.377 χ^2/NDF:6.2/11

+ sign -3.856+/-5.425 χ^2/NDF: 37.1/29

All: -2.968+/-3.887 χ^2/NDF: 61.1/60

- sign -2.031+/-5.573 χ^2/NDF: 24.0/30



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22738.019+/-4.915 χ^2/NDF:771452.5/13

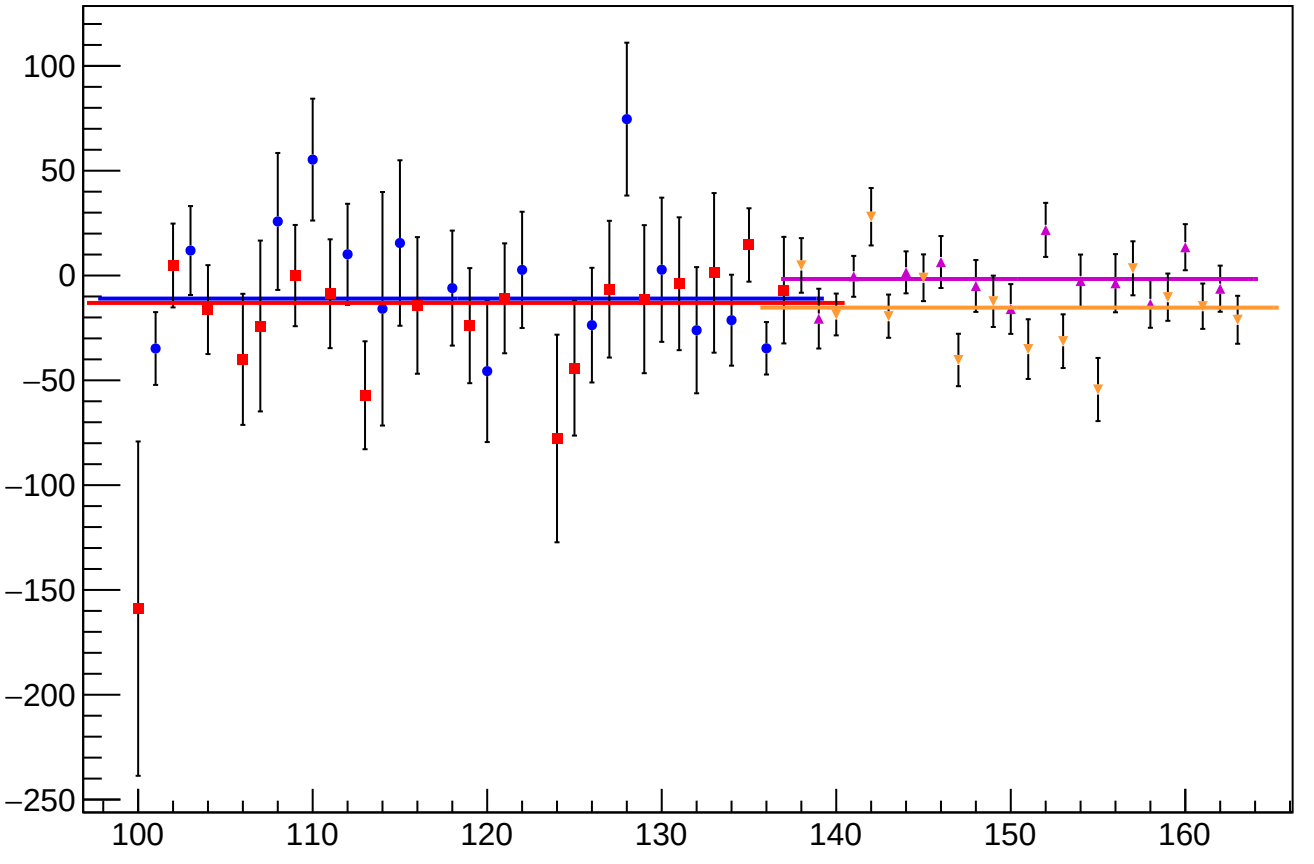
Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 23298.164+/-5.216 χ^2/NDF:668354.5/11

+ sign 22861.471+/-3.836 χ^2/NDF: 1034511.7/29

All: 23044.102+/-2.749 χ^2/NDF: 1801740.4/6

- sign 23236.814+/-3.941 χ^2/NDF: 762570.8/30



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.317+/-3.206 χ^2/NDF:31.1/13

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

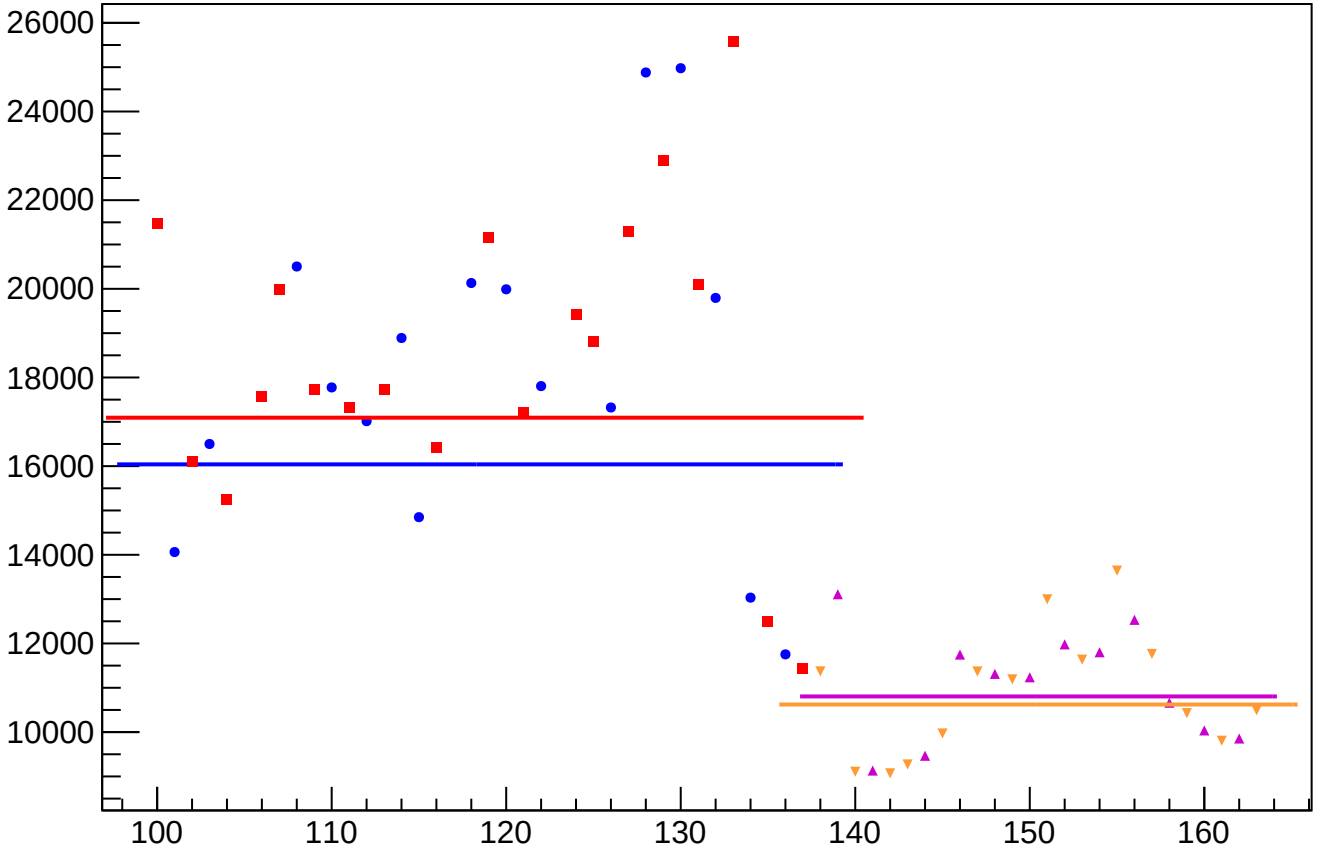
Left In: -1.651+/-3.384 χ^2/NDF:10.3/11

+ sign -14.396+/-2.843 χ^2/NDF: 53.5/29

All: -9.534+/-2.060 χ^2/NDF: 86.4/60

- sign -4.158+/-2.990 χ^2/NDF: 26.7/30

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10622.444+/-2.267 χ^2/NDF:307620.7/13

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

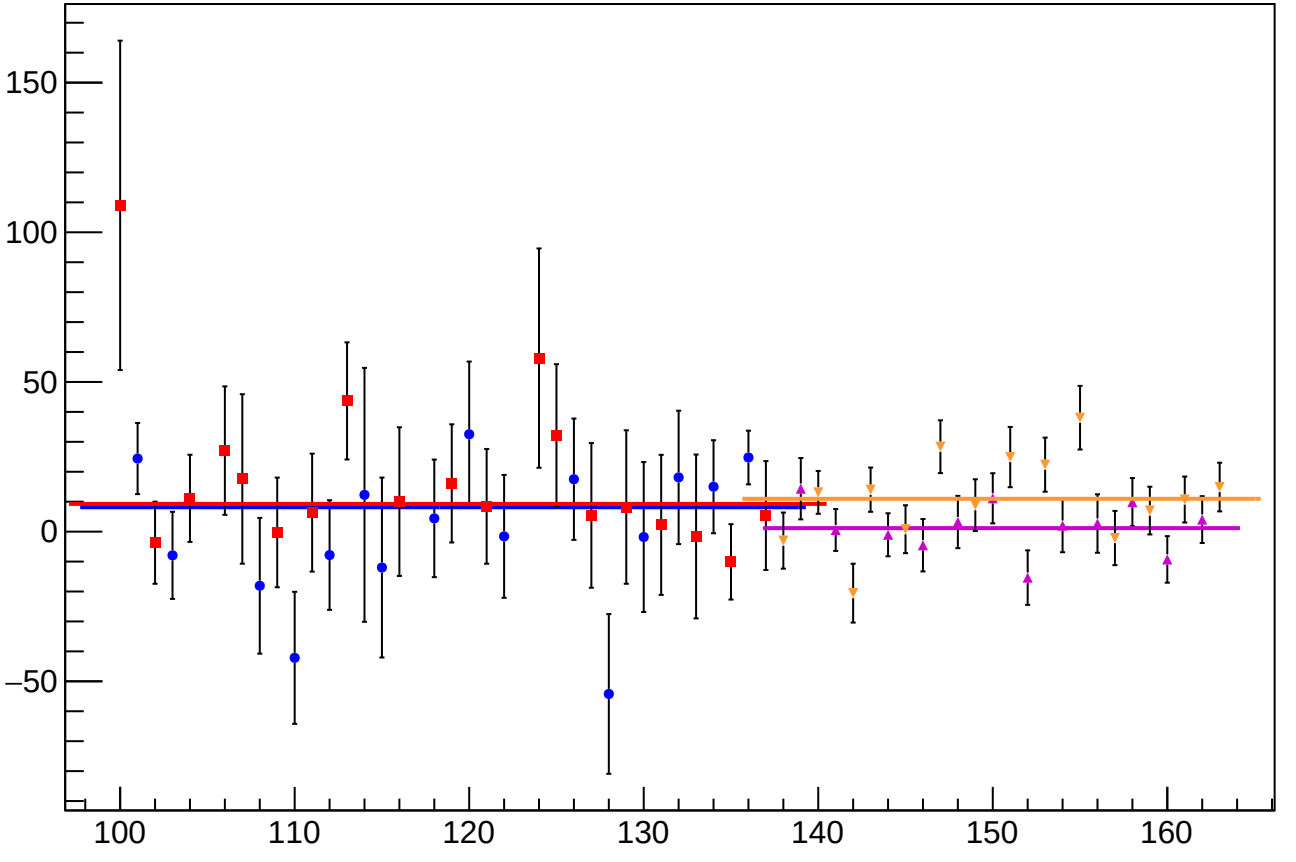
Left In: 10804.766+/-2.393 χ^2/NDF:249447.6/11

+ sign 11778.652+/-2.011 χ^2/NDF: 2249144.0/29

All: 11971.614+/-1.457 χ^2/NDF: 4568791.4/6

- sign 12184.990+/-2.114 χ^2/NDF: 2300251.1/30

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.969+/-2.279 χ^2/NDF:30.9/13

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

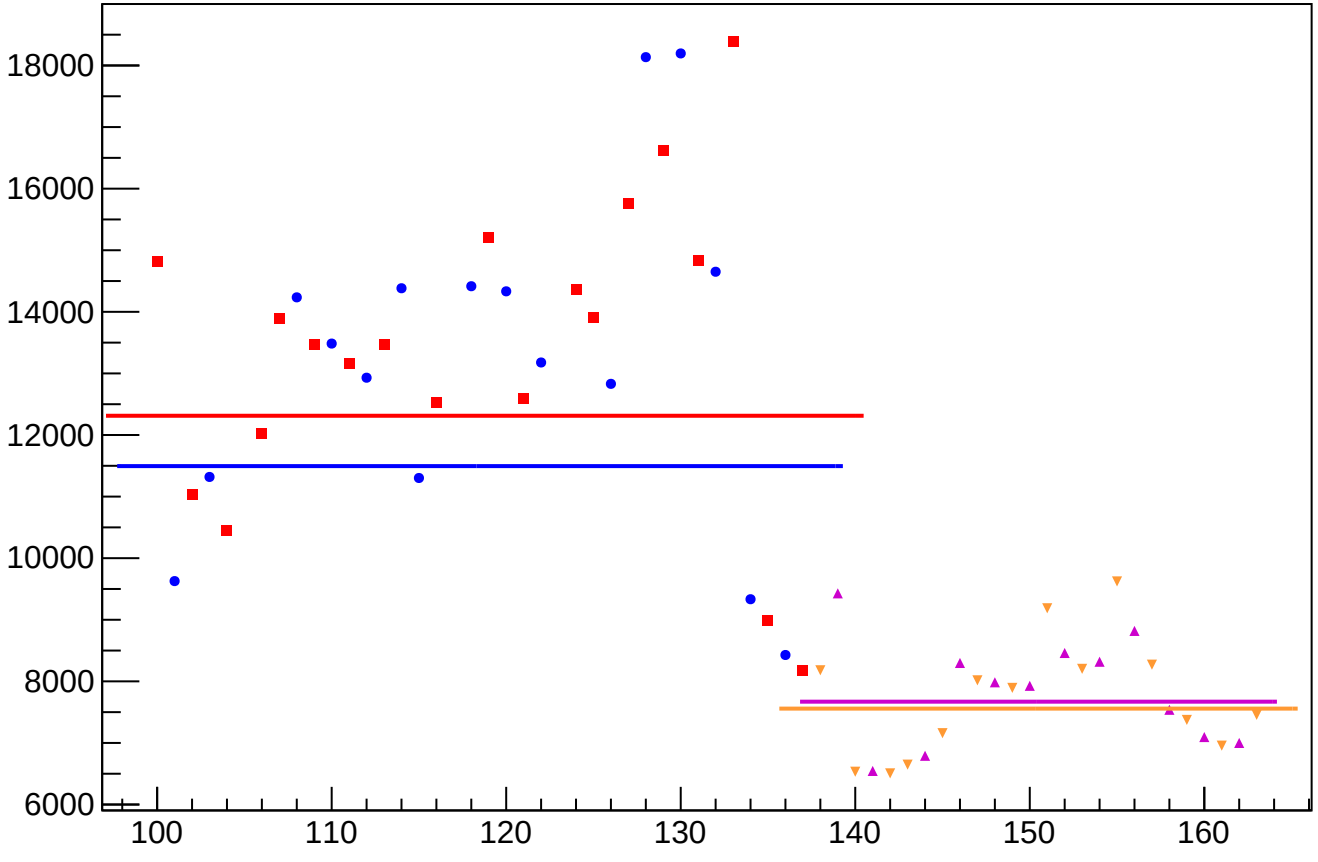
Left In: 1.174+/-2.402 χ^2/NDF:10.1/11

+ sign 10.378+/-2.026 χ^2/NDF: 53.0/29

All: 6.827+/-1.468 χ^2/NDF: 85.9/60

- sign 2.904+/-2.130 χ^2/NDF: 26.4/30

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7557.480+/-1.612 χ^2/NDF:280700.7/13

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

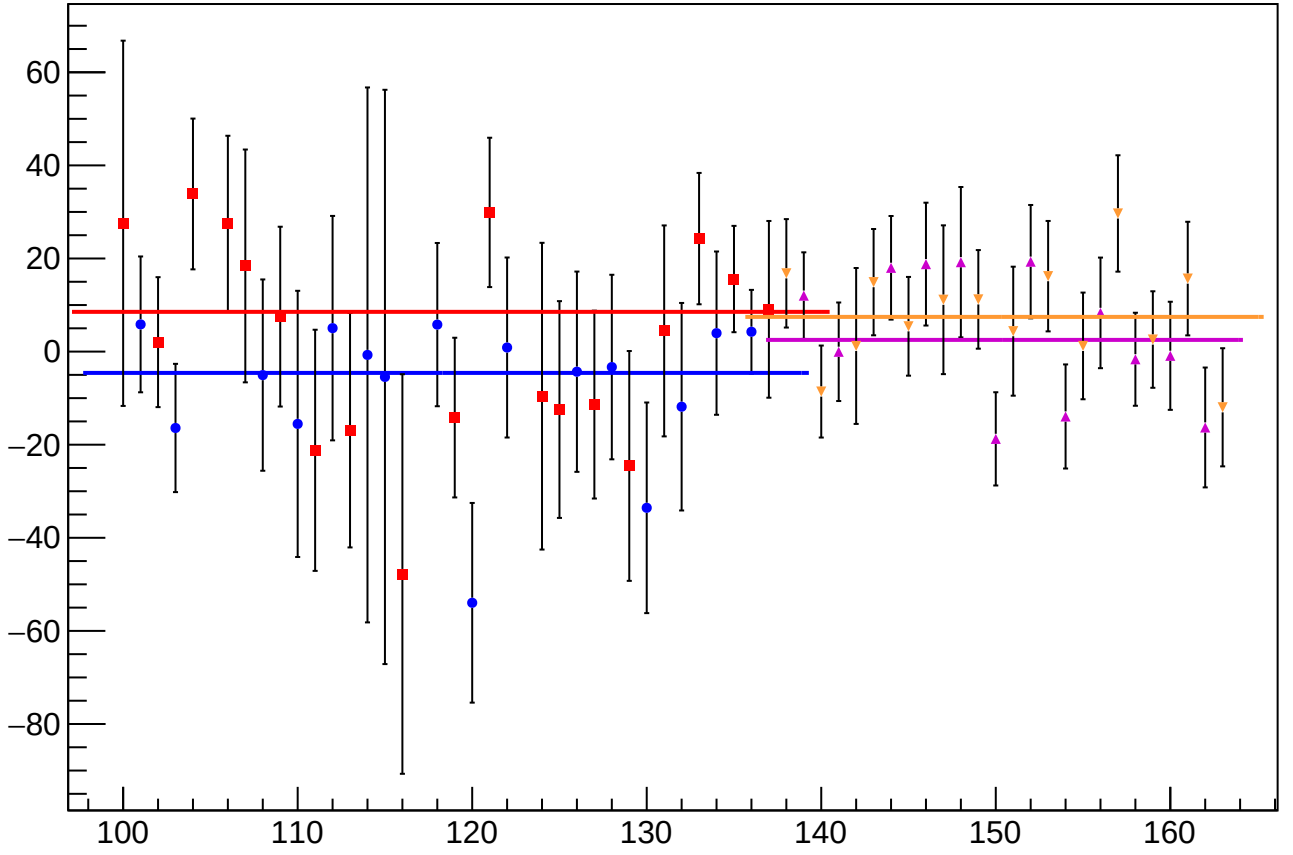
Left In: 7670.079+/-1.698 χ^2/NDF:234834.3/11

+ sign 8383.839+/-1.433 χ^2/NDF: 2323160.3/29

All: 8516.042+/-1.038 χ^2/NDF: 4771484.7/60

- sign 8662.104+/-1.506 χ^2/NDF: 2430402.7/30

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.454+/-3.176 χ^2/NDF:11.1/13

Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

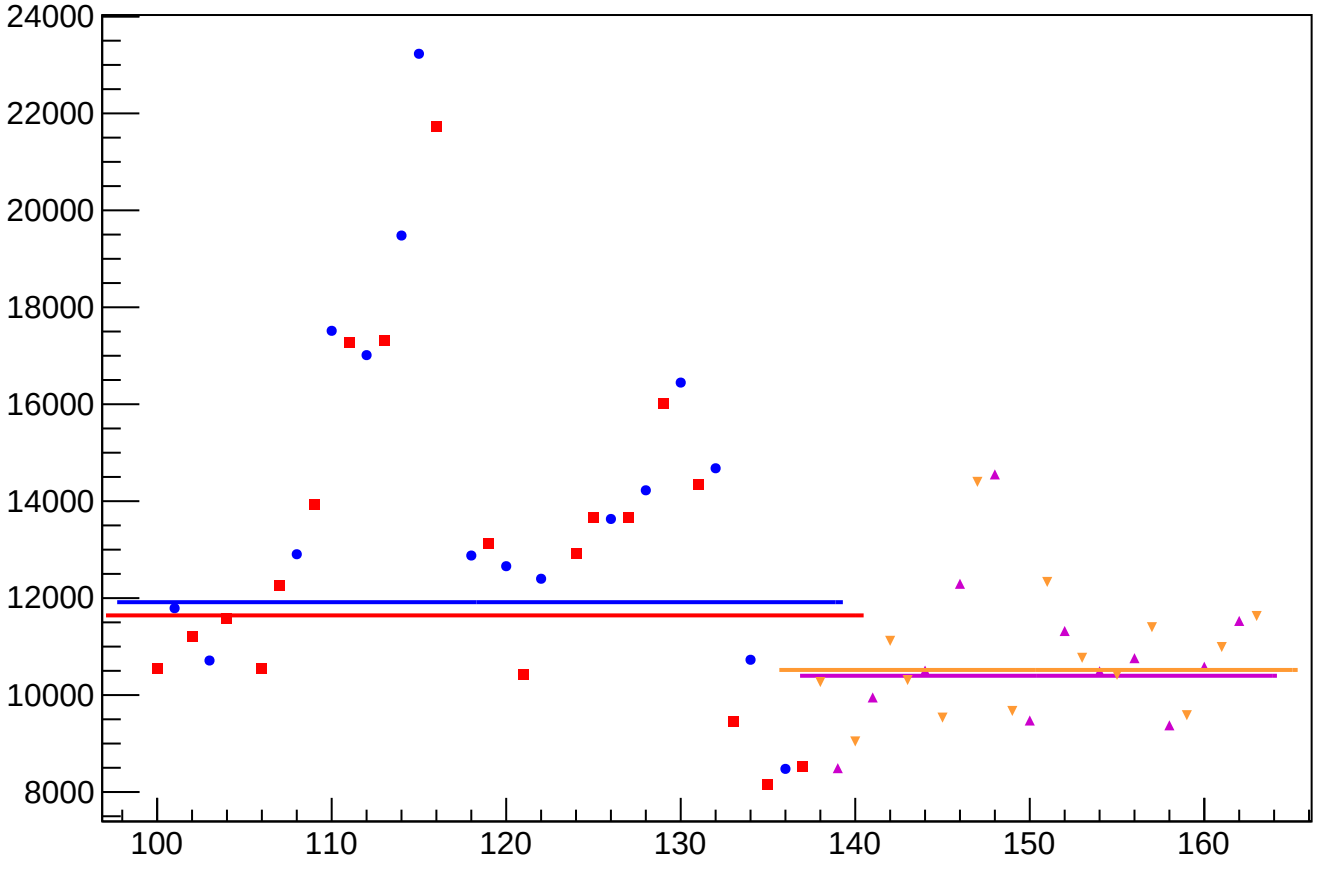
Left In: 2.514+/-3.272 χ^2/NDF:16.8/11

+ sign 3.517+/-2.605 χ^2/NDF: 26.1/29

All: 4.086+/-1.849 χ^2/NDF: 61.4/60

- sign 4.664+/-2.624 χ^2/NDF: 35.2/30

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10518.241+/-2.246 χ^2/NDF:276501.1/13

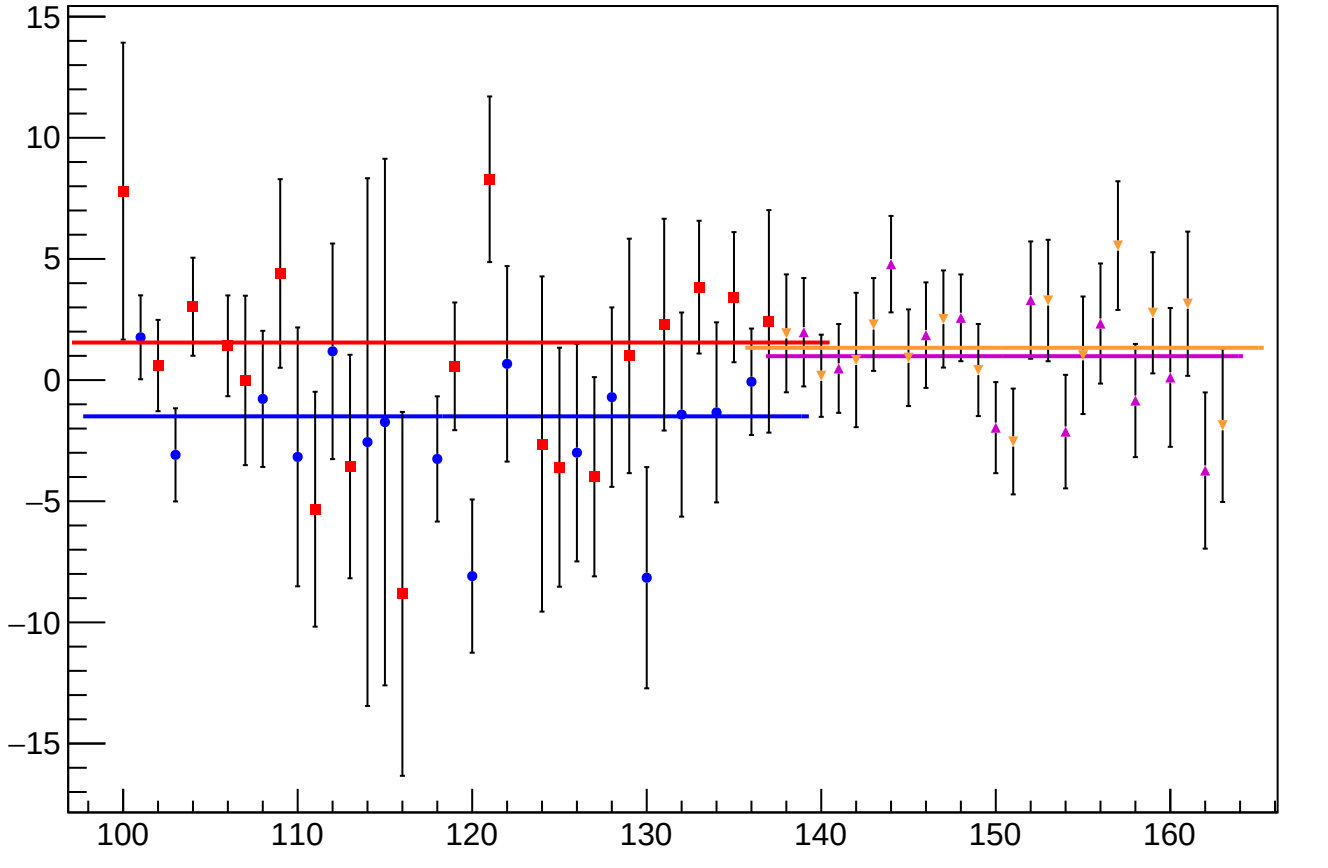
Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10398.257+/-2.314 χ^2/NDF:328837.5/11

+ sign 10975.752+/-1.842 χ^2/NDF: 1153094.8/29

All: 10909.719+/-1.307 χ^2/NDF: 2378280.7/6

- sign 10842.725+/-1.855 χ^2/NDF: 1222597.3/30



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.332+/-0.603 χ^2/NDF:9.4/13

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

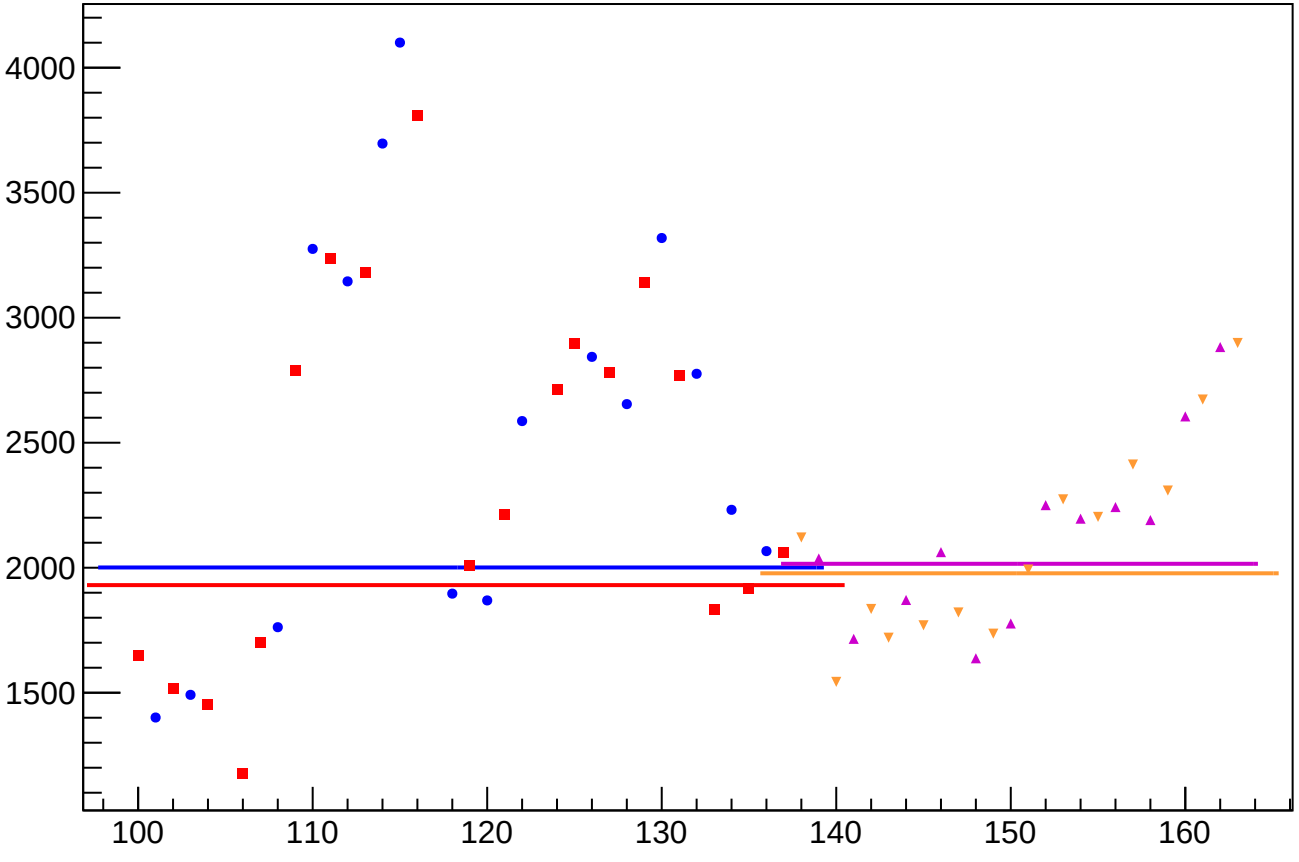
Left In: 0.987+/-0.636 χ^2/NDF:13.1/11

\+ sign 0.271+/-0.477 χ^2/NDF: 30.3/29

All: 0.741+/-0.339 χ^2/NDF: 62.0/60

\- sign 1.224+/-0.484 χ^2/NDF: 29.8/30

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1977.676+/-0.426 χ^2/NDF:658228.4/13

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

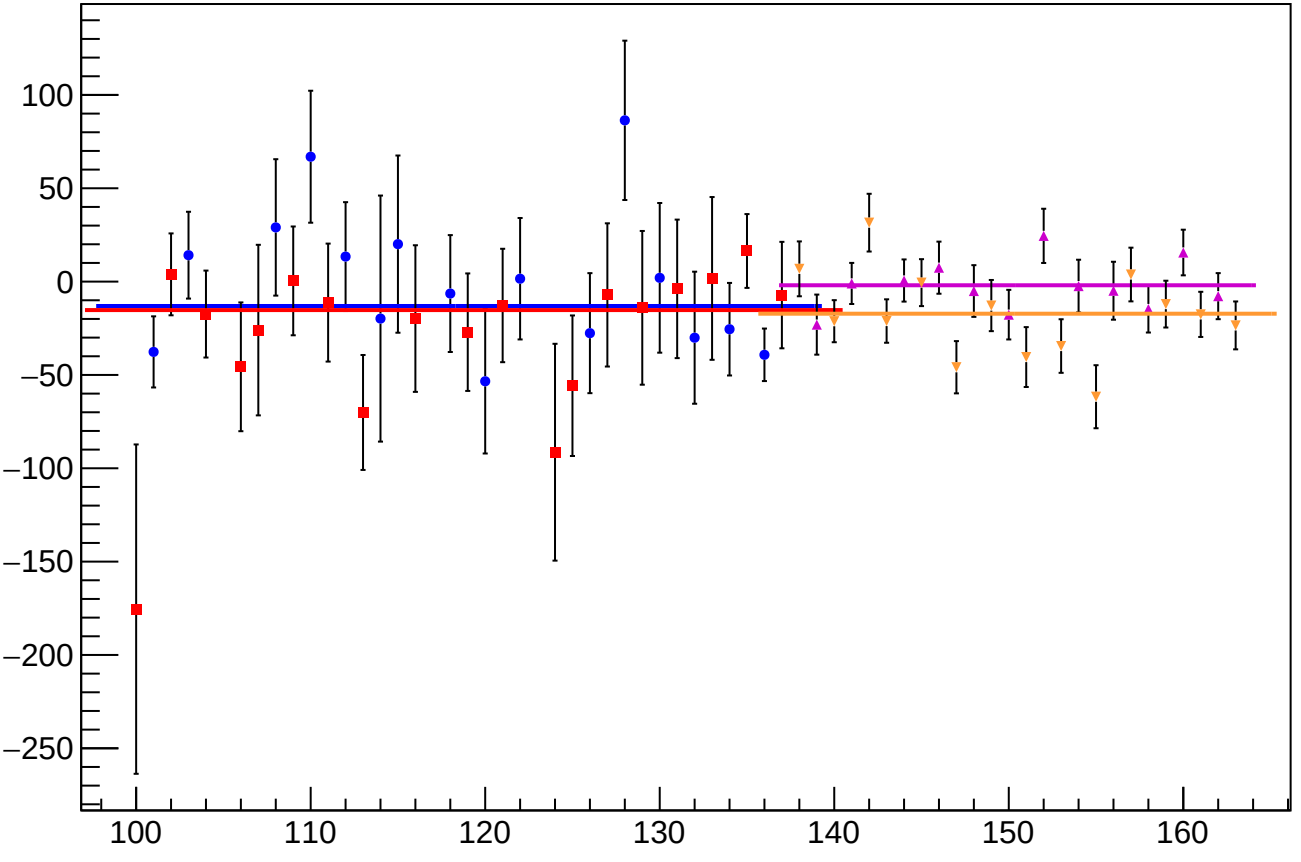
Left In: 2015.711+/-0.450 χ^2/NDF:474685.4/11

+ sign 1986.428+/-0.337 χ^2/NDF: 1849135.0/29

All: 1983.131+/-0.240 χ^2/NDF: 3742737.4/60

- sign 1979.739+/-0.342 χ^2/NDF: 1893408.4/30

diff_bpmtargetsumX_mean vs Slug



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.198+/-3.599 χ^2/NDF:31.9/13

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

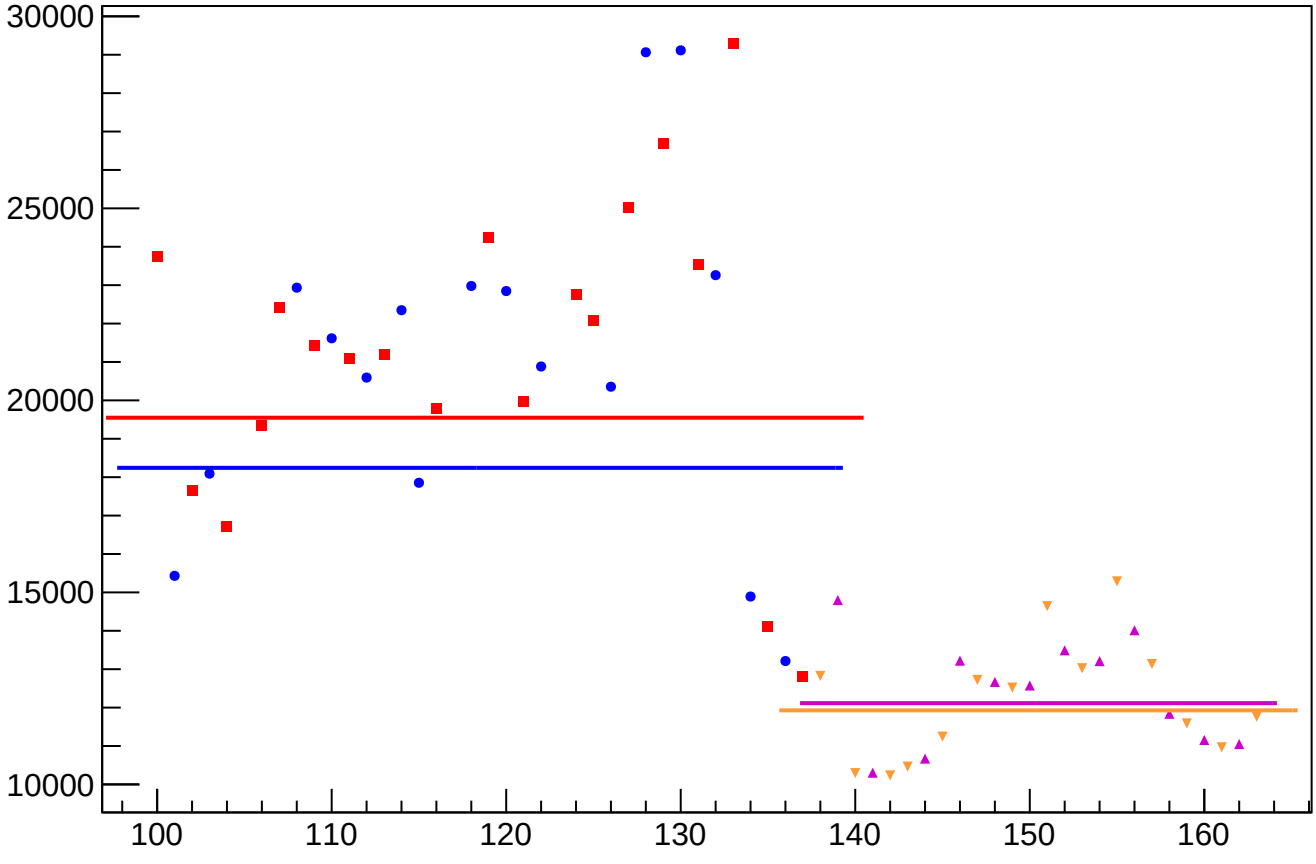
Left In: -1.961+/-3.795 χ^2/NDF:10.3/11

+ sign -16.339+/-3.203 χ^2/NDF: 54.1/29

All: -10.850+/-2.322 χ^2/NDF: 87.5/60

- sign -4.777+/-3.369 χ^2/NDF: 27.3/30

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11928.137+/-2.545 χ^2/NDF:297867.6/13

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

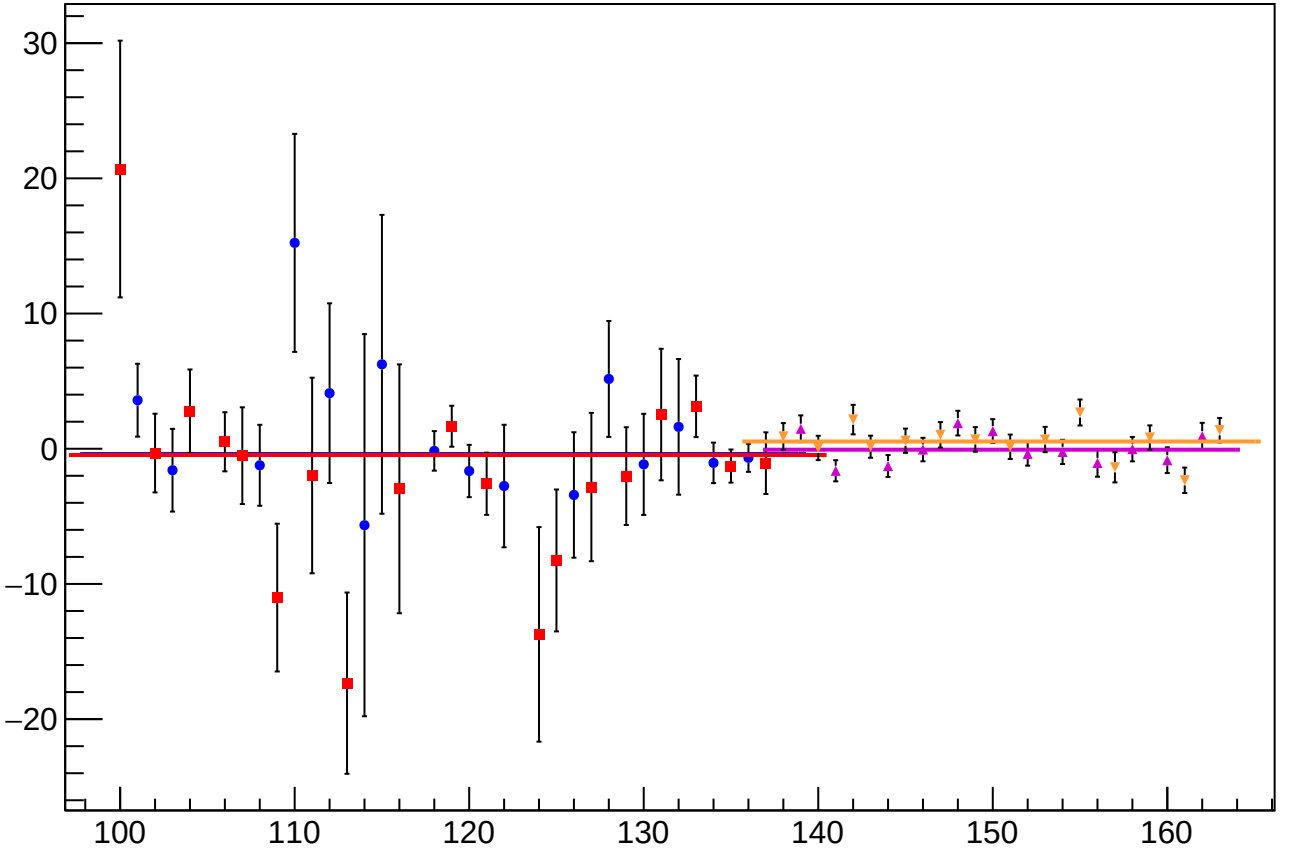
Left In: 12116.431+/-2.684 χ^2/NDF:248652.3/11

+ sign 13240.759+/-2.265 χ^2/NDF: 2397513.9/29

All: 13454.447+/-1.642 χ^2/NDF: 4911240.2/6

- sign 13690.868+/-2.383 χ^2/NDF: 2494980.1/30

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.536+/-0.250 χ^2/NDF:21.6/13

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

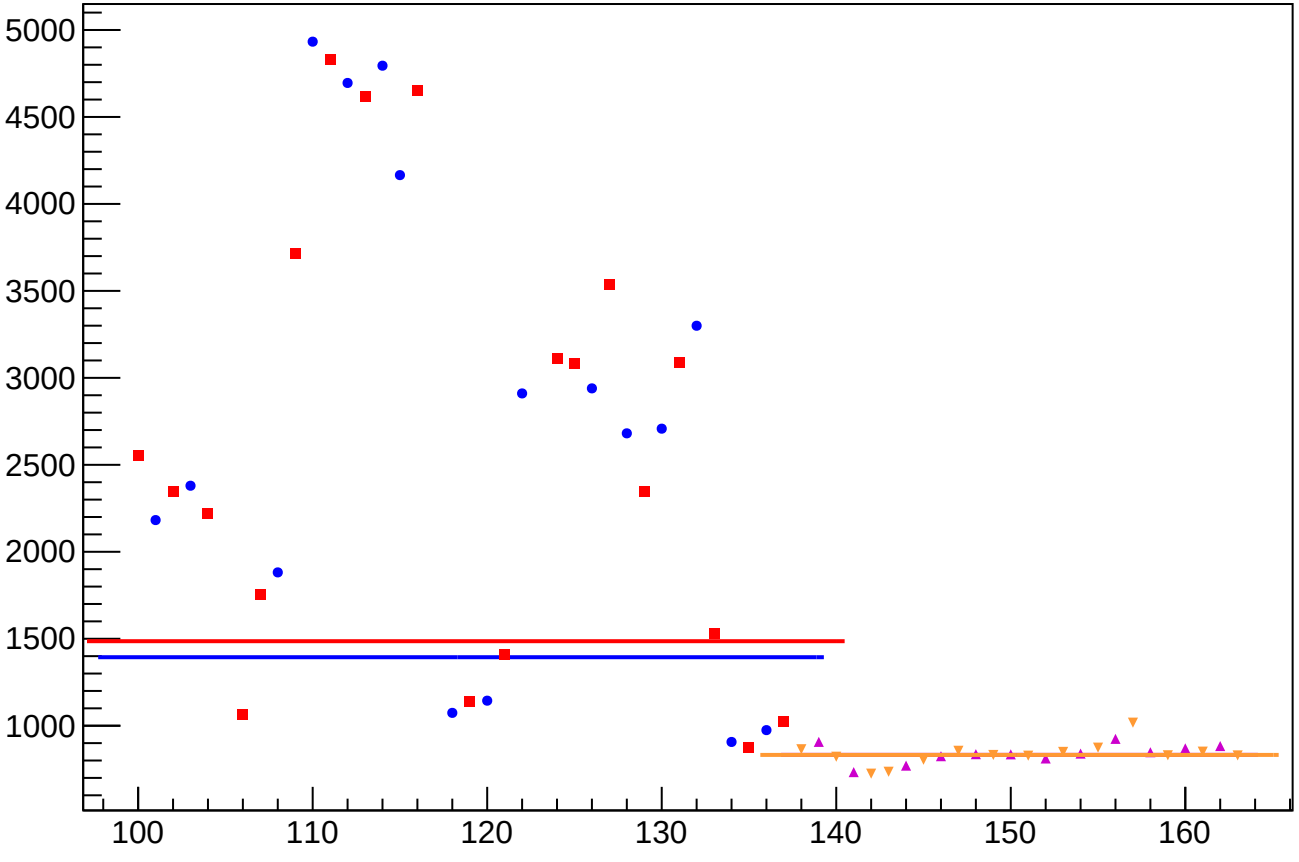
Left In: -0.071+/-0.260 χ^2/NDF:18.4/11

+ sign 0.399+/-0.231 χ^2/NDF: 34.0/29

All: 0.146+/-0.166 χ^2/NDF: 83.3/60

- sign -0.128+/-0.240 χ^2/NDF: 46.8/30

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 832.201+/-0.177 χ^2/NDF:113863.4/13

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

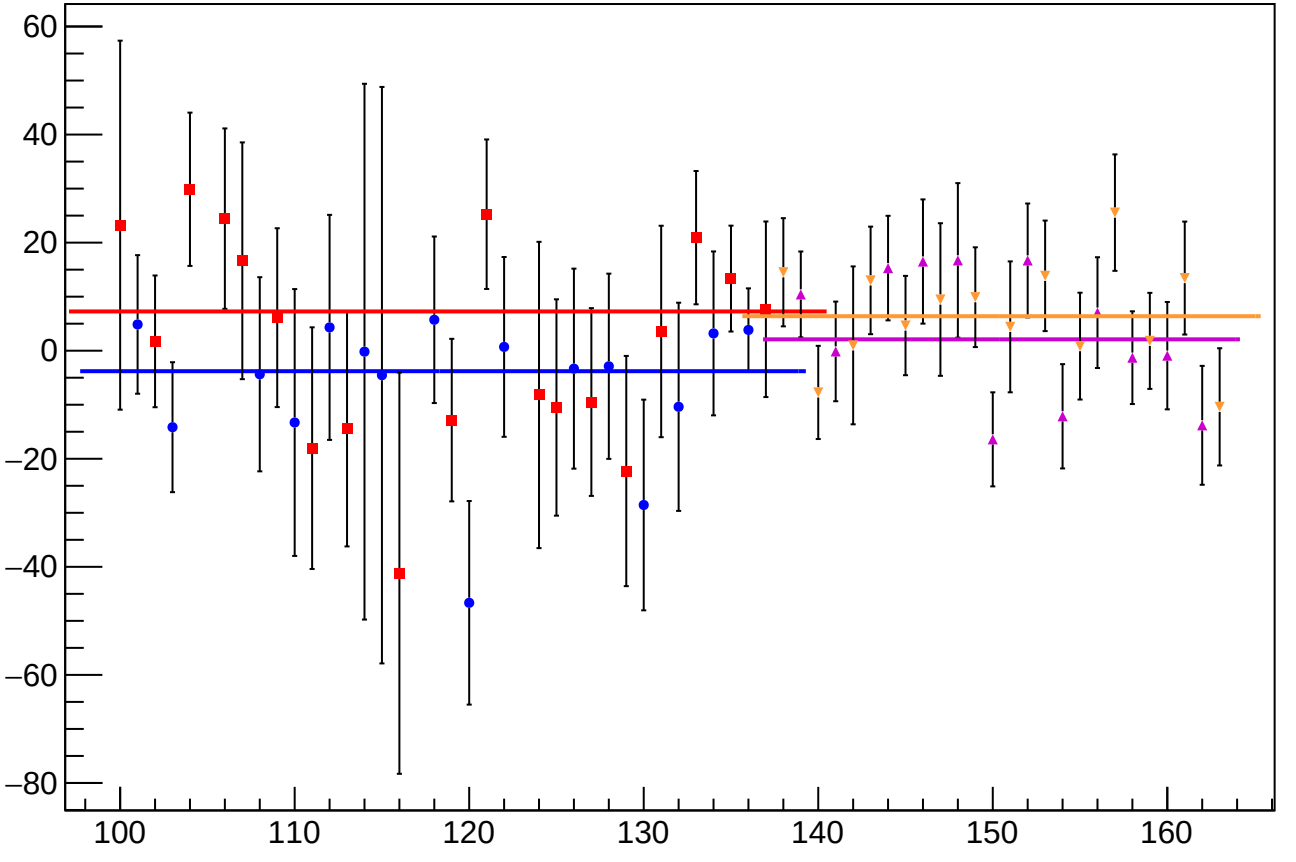
Left In: 832.532+/-0.184 χ^2/NDF:81795.2/11

+ sign 915.103+/-0.163 χ^2/NDF: 4988388.8/29

All: 920.508+/-0.118 χ^2/NDF: 10291422.9/60

- sign 926.376+/-0.170 χ^2/NDF: 5300741.5/30

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.384+/-2.749 χ^2/NDF:11.3/13

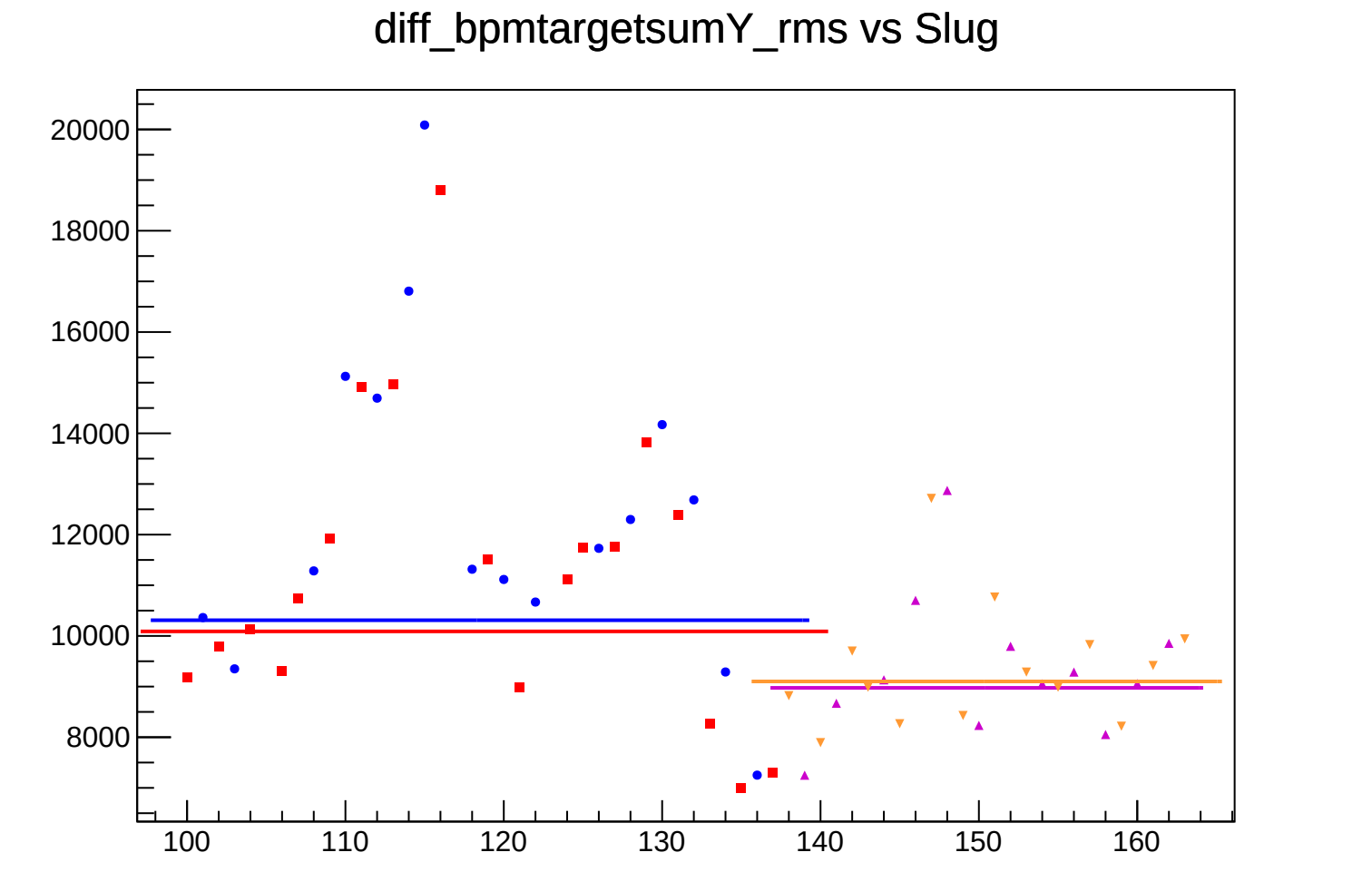
Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

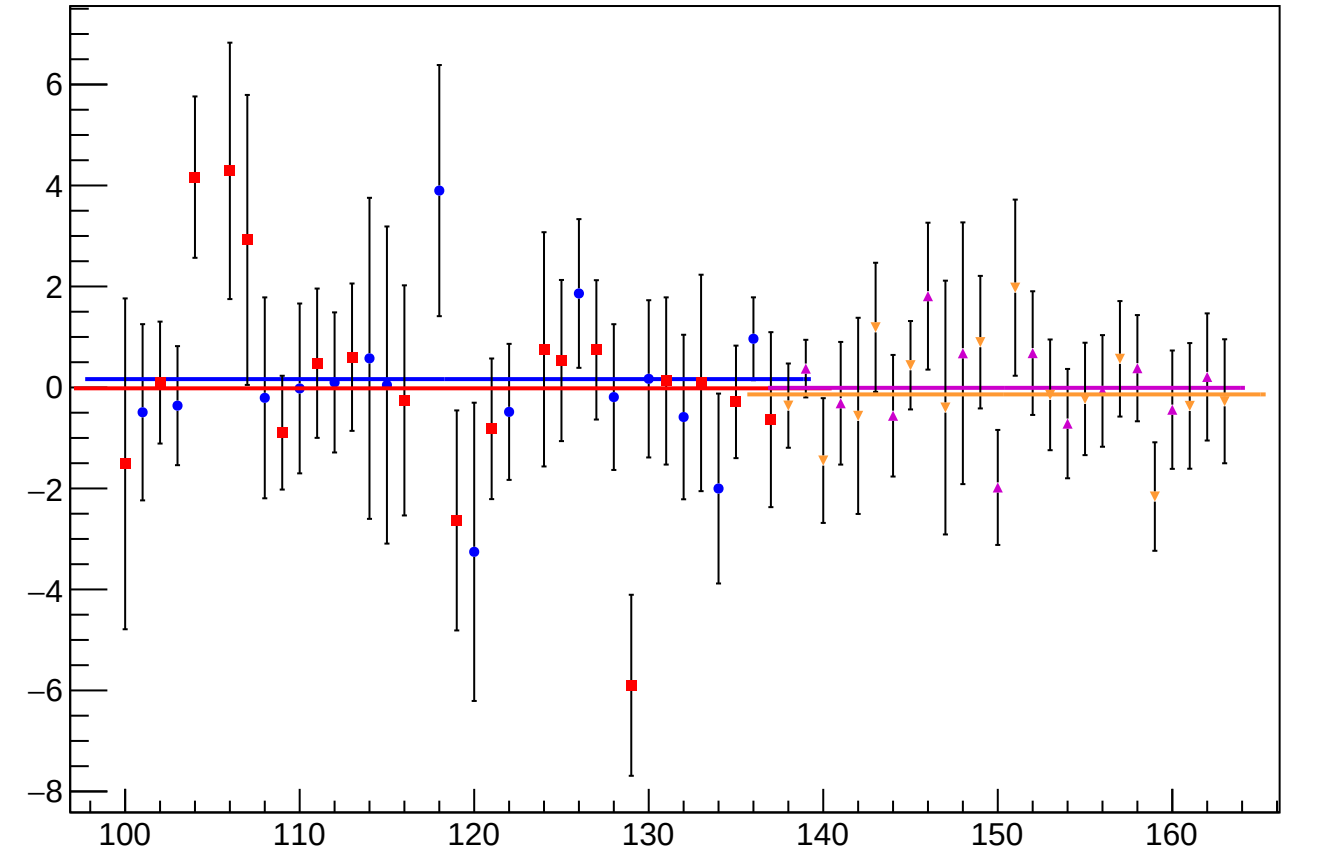
Left In: 2.102+/-2.826 χ^2/NDF:16.8/11

+ sign 3.055+/-2.255 χ^2/NDF: 25.8/29

All: 3.493+/-1.600 χ^2/NDF: 61.2/60

- sign 3.937+/-2.269 χ^2/NDF: 35.3/30


diff_bpmtargetsumY_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9101.351+/-1.944 χ²/NDF:283972.4/13
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 8974.520+/-1.999 χ²/NDF:355373.6/11
+ sign 9496.678+/-1.595 χ²/NDF: 1180932.4/29
All: 9434.107+/-1.131 χ²/NDF: 2442806.3/60
- sign 9370.745+/-1.605 χ²/NDF: 1258775.0/30



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.137+/-0.317 χ^2/NDF:8.8/13

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

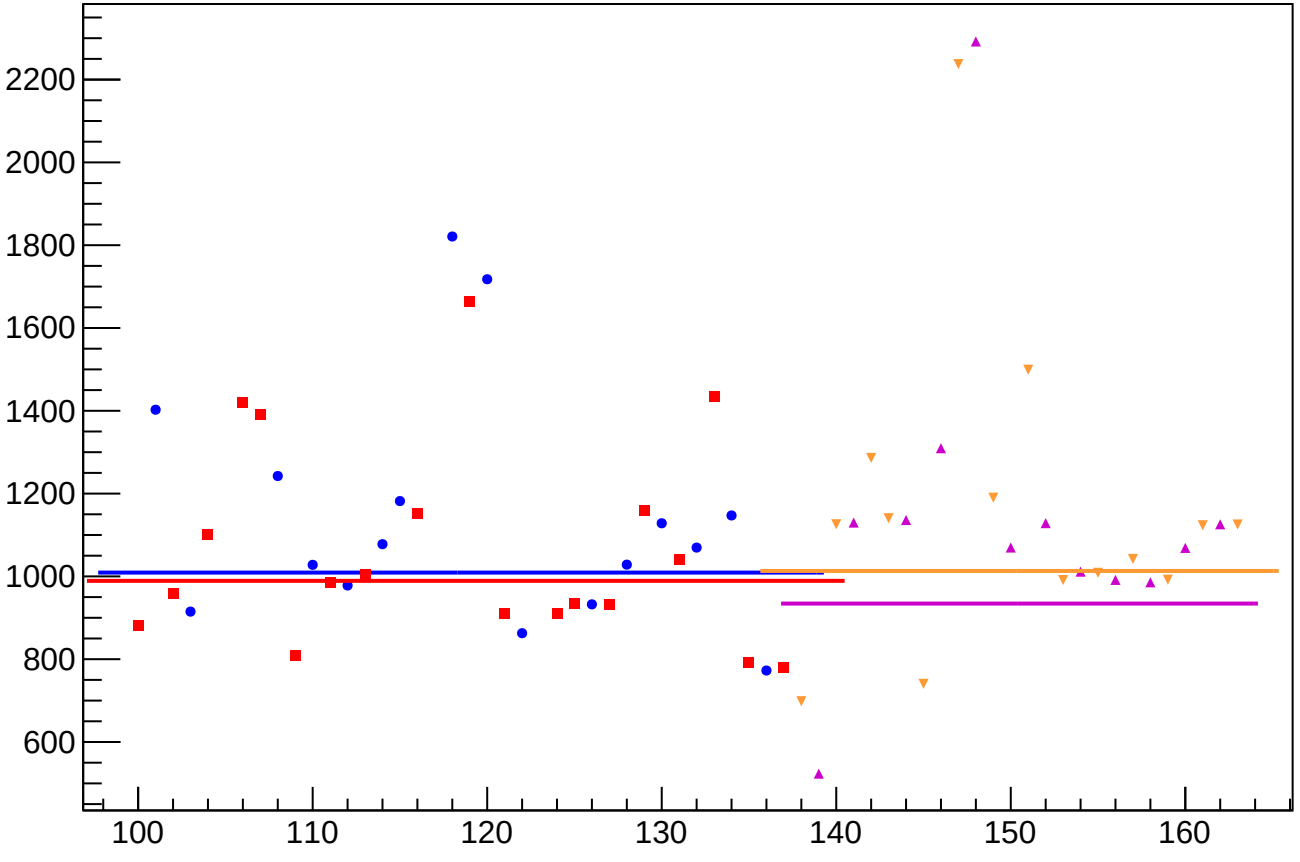
Left In: -0.008+/-0.310 χ^2/NDF:6.4/11

+ sign -0.015+/-0.245 χ^2/NDF: 17.3/29

All: -0.013+/-0.171 χ^2/NDF: 48.9/60

- sign -0.011+/-0.238 χ^2/NDF: 31.6/30

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1013.140+/-0.224 χ^2/NDF:1256462.1/13

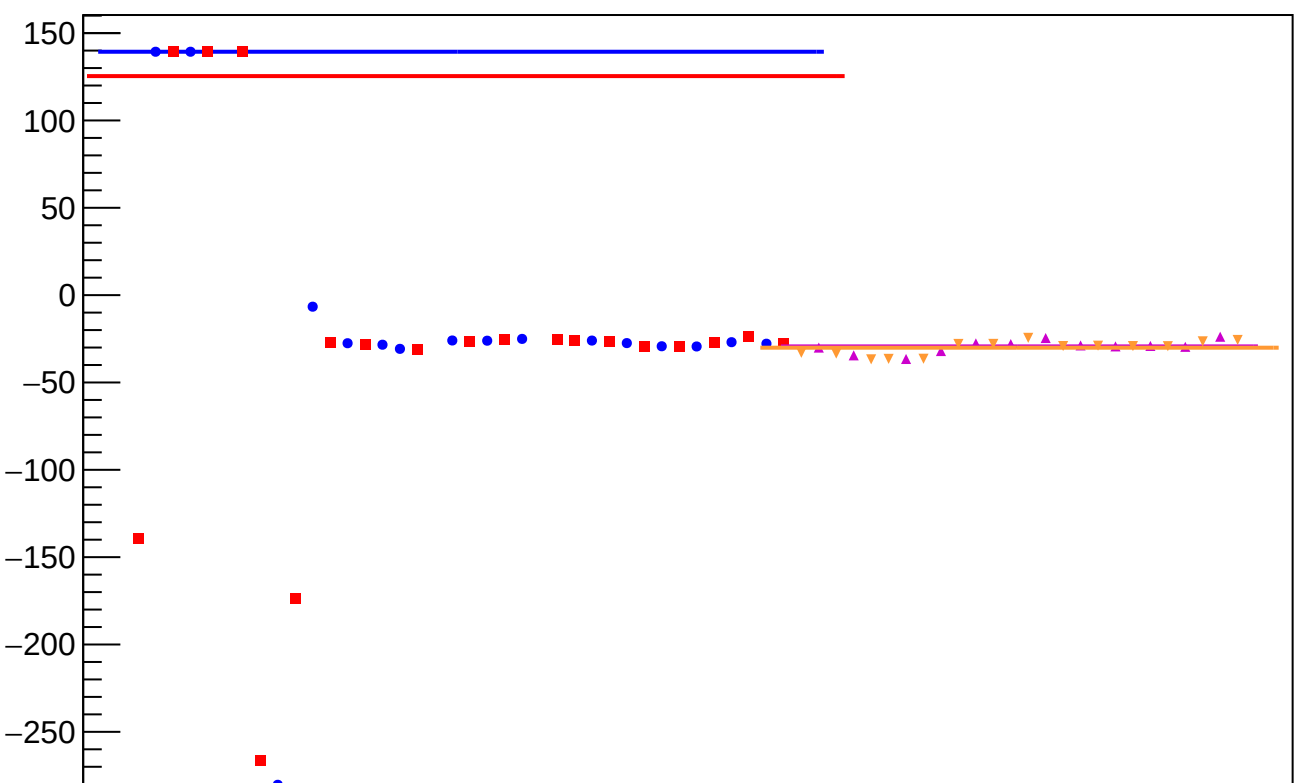
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 934.375+/-0.219 χ^2/NDF:1999357.0/11

+ sign 1011.560+/-0.173 χ^2/NDF: 1955888.8/29

All: 983.360+/-0.121 χ^2/NDF: 4608025.0/60

- sign 956.809+/-0.168 χ^2/NDF: 2600809.0/30



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.091+/-0.000 χ^2/NDF:100445913.5/13

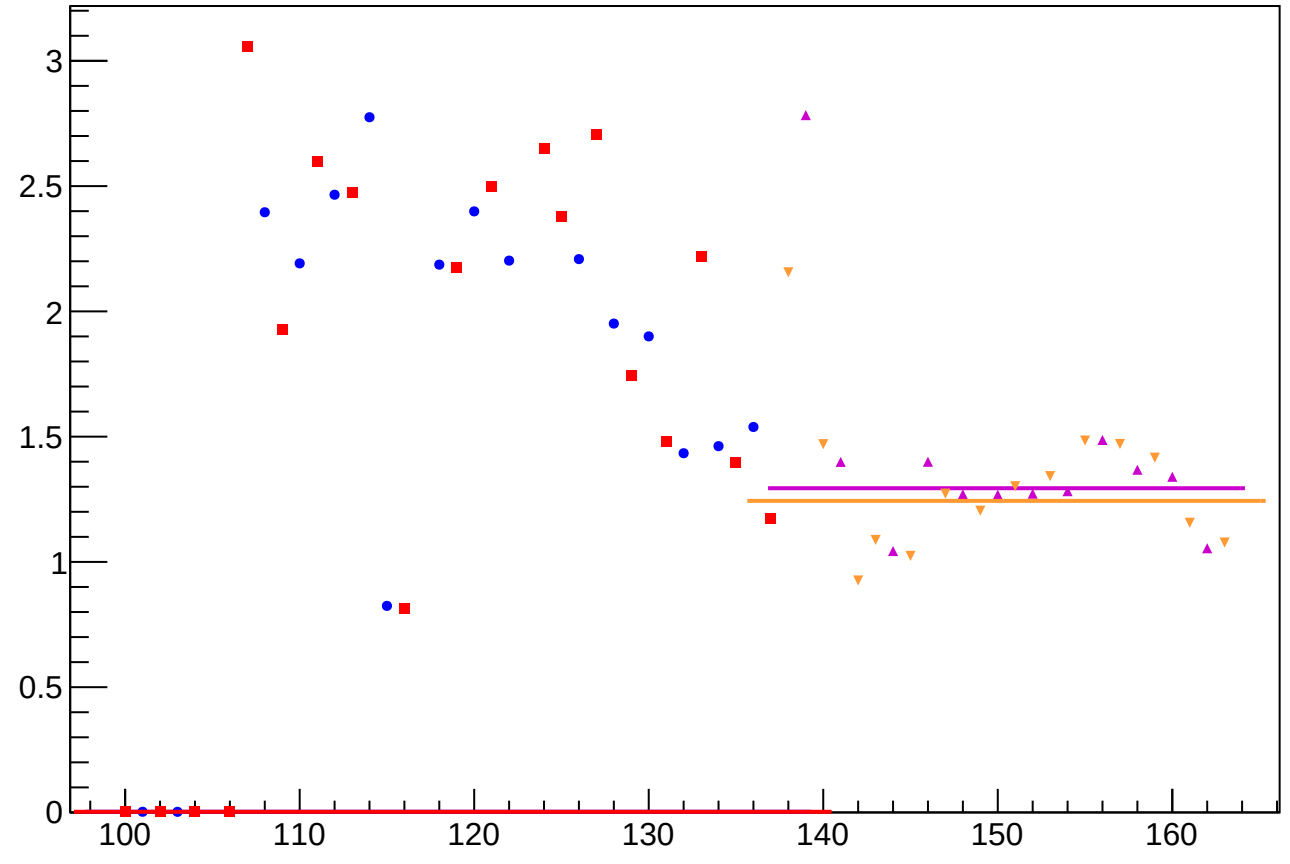
Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -29.342+/-0.000 χ^2/NDF:73643921.8/11

+ sign 139.331+/-0.000 χ^2/NDF: 210088830172.9/2

All: 131.814+/-0.000 χ^2/NDF: 79328126651

- sign 125.388+/-0.000 χ^2/NDF: 774290570605573



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.244+/-0.000 χ^2/NDF:556246.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

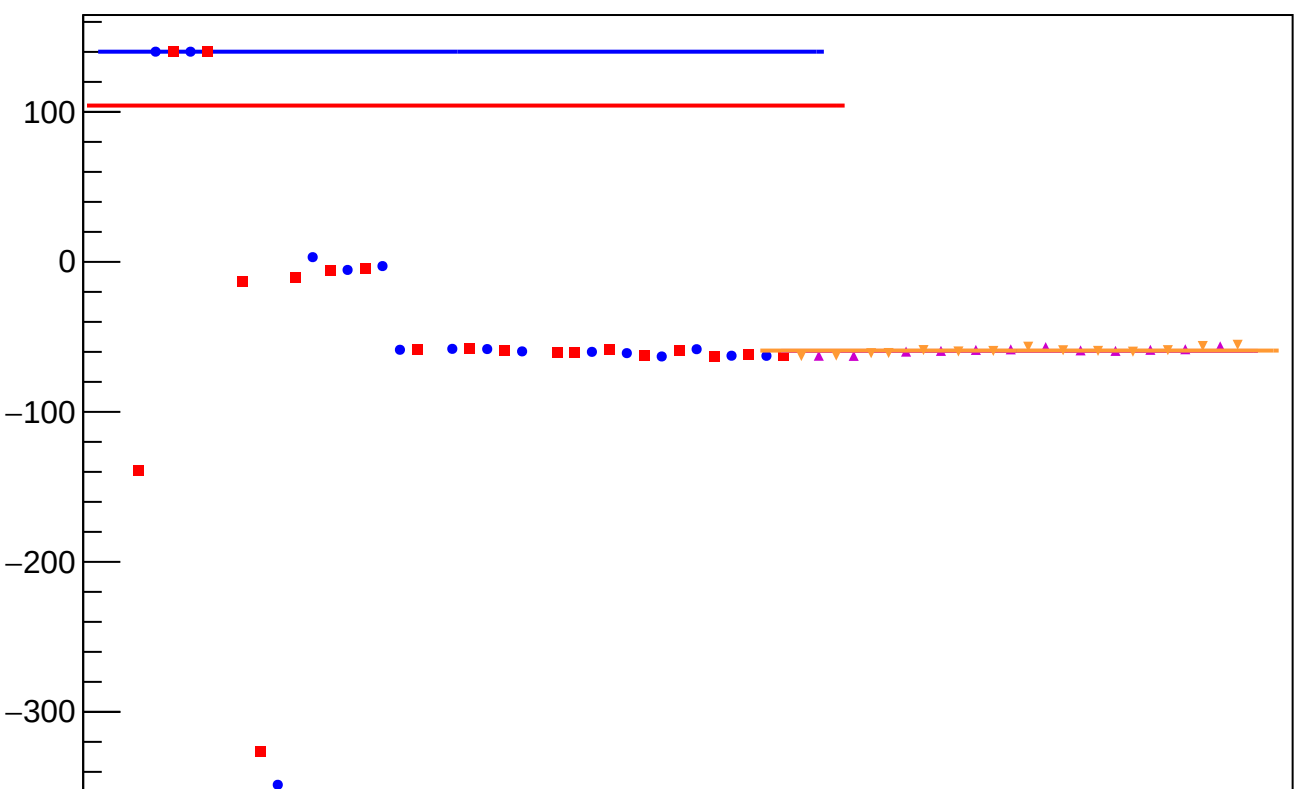
Left In: 1.294+/-0.000 χ^2/NDF:663405.9/11

+ sign 0.003+/-0.000 χ^2/NDF: 27600437.7/29

All: 0.003+/-0.000 χ^2/NDF: 54352584.6/60

- sign 0.003+/-0.000 χ^2/NDF: 26751839.0/30

yield_cav4bY_mean vs Slug



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.124+/-0.000 χ^2/NDF:102371050.0/13

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

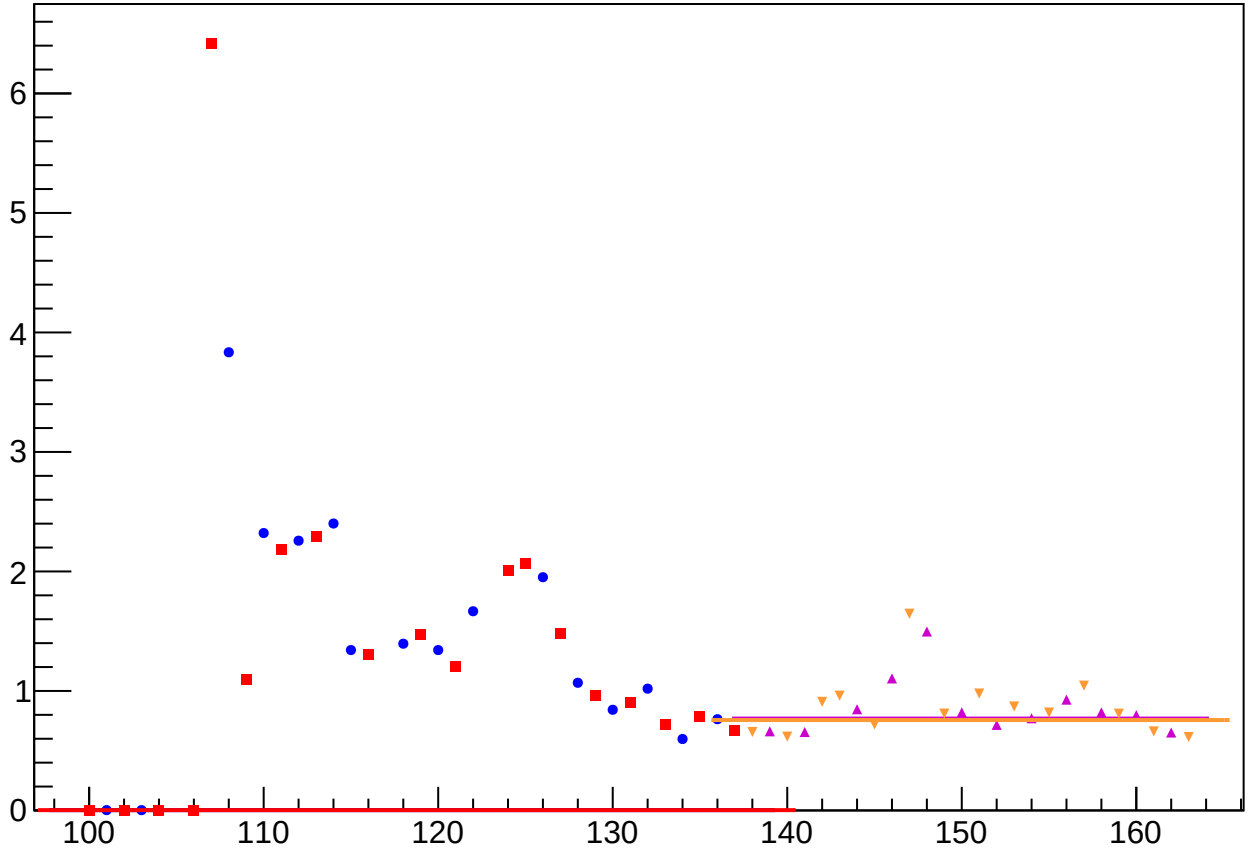
Left In: -59.366+/-0.000 χ^2/NDF:70187676.0/11

+ sign 140.127+/-0.000 χ^2/NDF: 777074313882.0/2

All: 120.818+/-0.000 χ^2/NDF: 13818106844

- sign 104.214+/-0.000 χ^2/NDF: 125775966126881

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.756+/-0.000 χ^2/NDF:921843.4/13

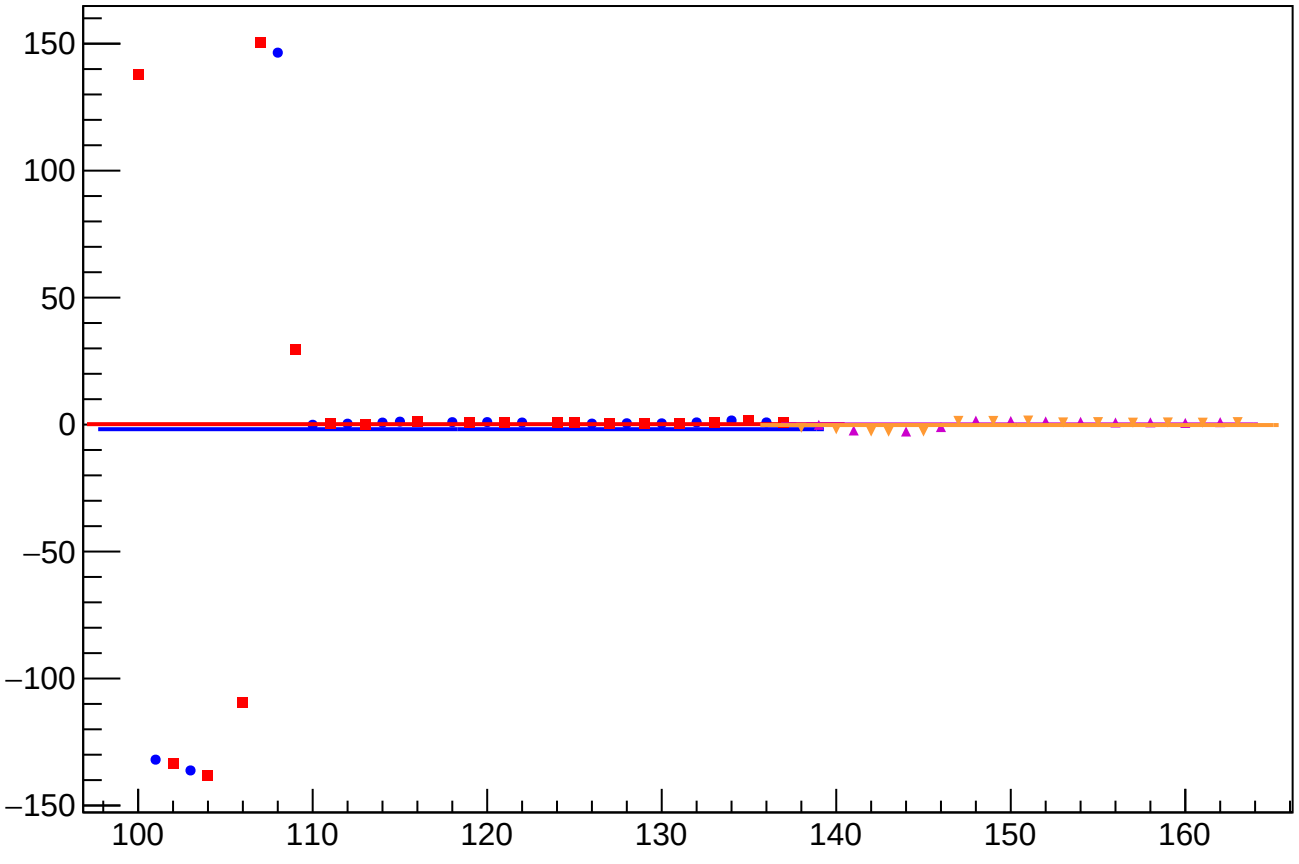
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.769+/-0.000 χ^2/NDF:657956.8/11

+ sign 0.003+/-0.000 χ^2/NDF: 28372060.2/29

All: 0.003+/-0.000 χ^2/NDF: 54991646.8/60

- sign 0.003+/-0.000 χ^2/NDF: 26619176.8/30



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.182+/-0.000 χ^2/NDF:90735804.8/13

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

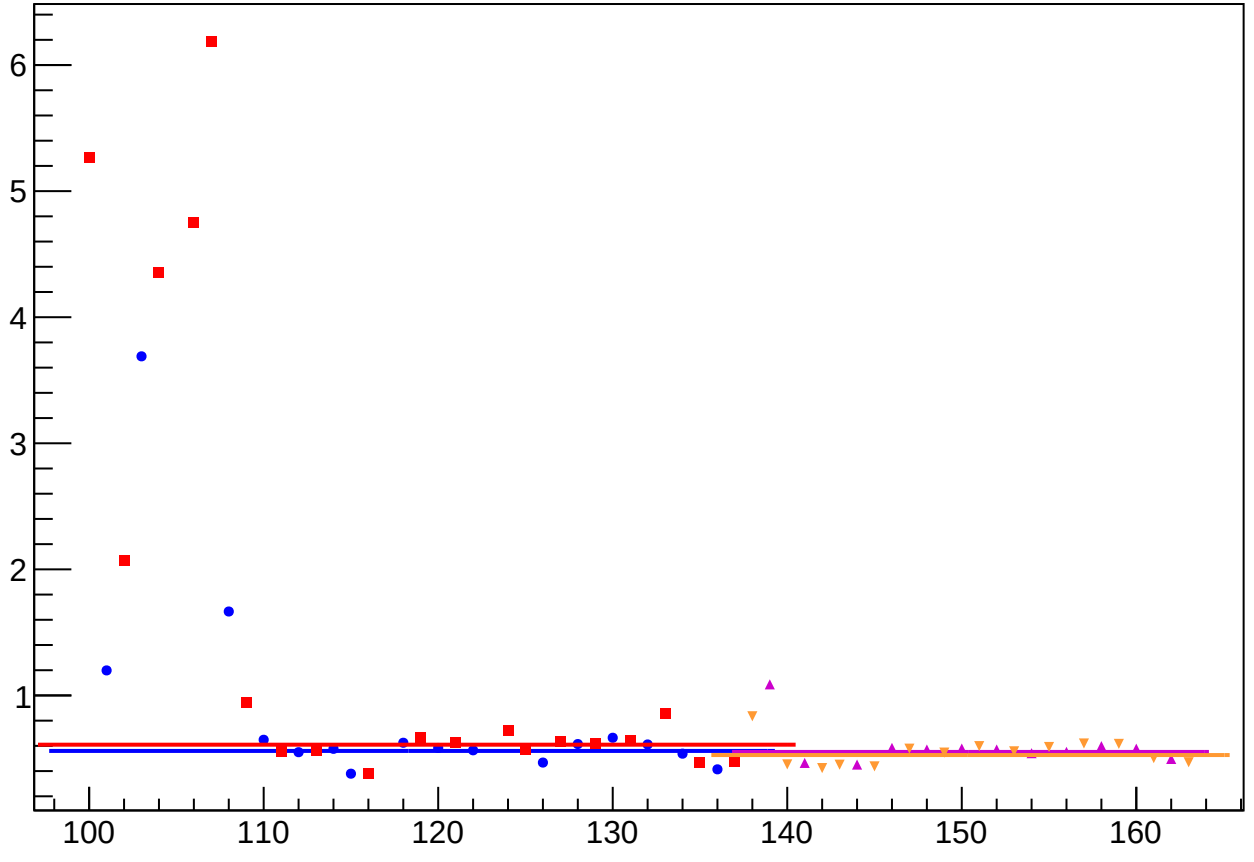
Left In: 0.084+/-0.000 χ^2/NDF:63021664.1/11

+ sign -0.738+/-0.000 χ^2/NDF: 10006410624.8/29

All: -0.348+/-0.000 χ^2/NDF: 13696446023.5/

- sign 0.111+/-0.000 χ^2/NDF: 3674324831.7/30

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.527+/-0.000 χ^2/NDF:464348.6/13

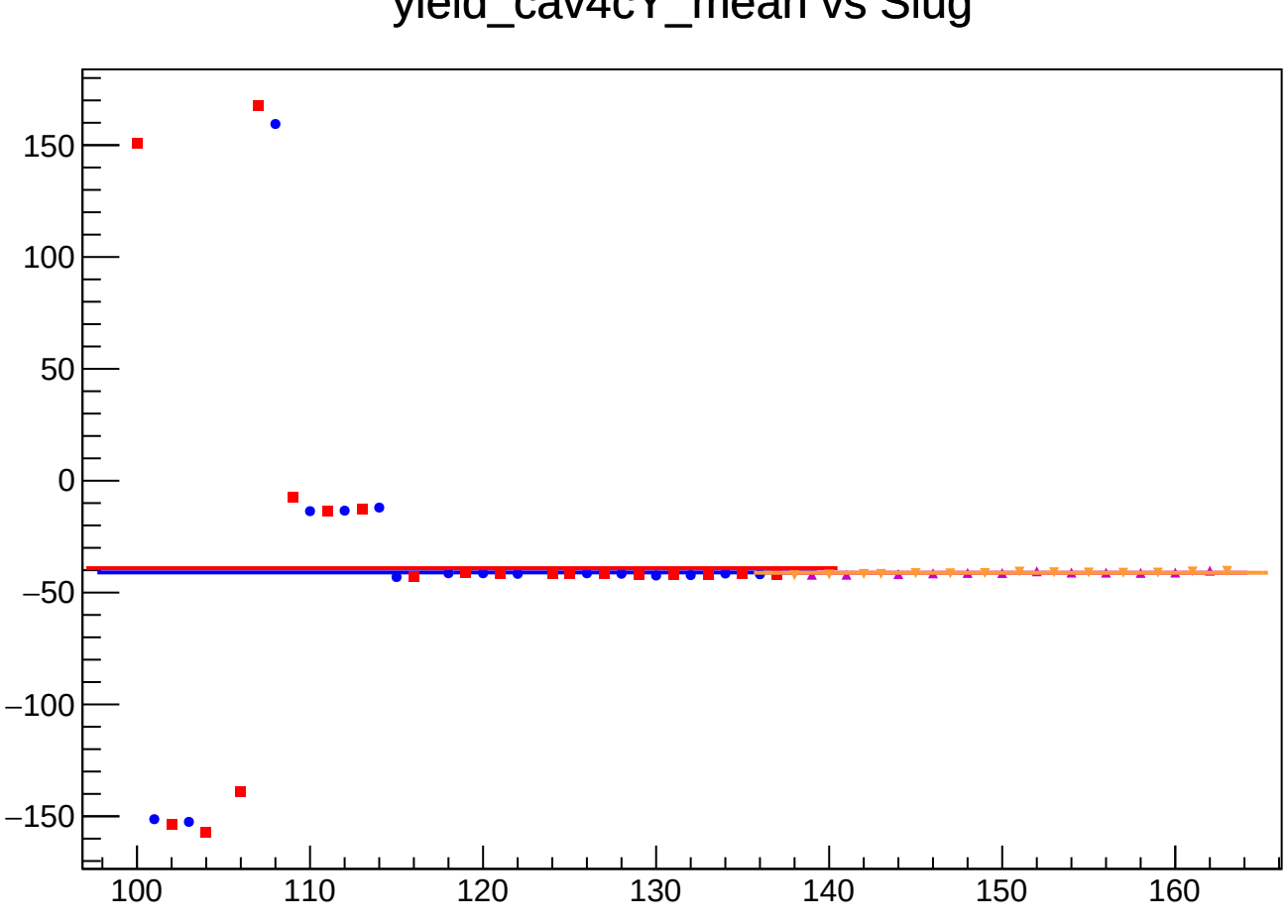
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.552+/-0.000 χ^2/NDF:555565.1/11

+ sign 0.538+/-0.000 χ^2/NDF: 2085469.6/29

All: 0.553+/-0.000 χ^2/NDF: 5222688.3/60

- sign 0.571+/-0.000 χ^2/NDF: 3090753.7/30



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.137+/-0.000 χ^2/NDF:19892605.4/13

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

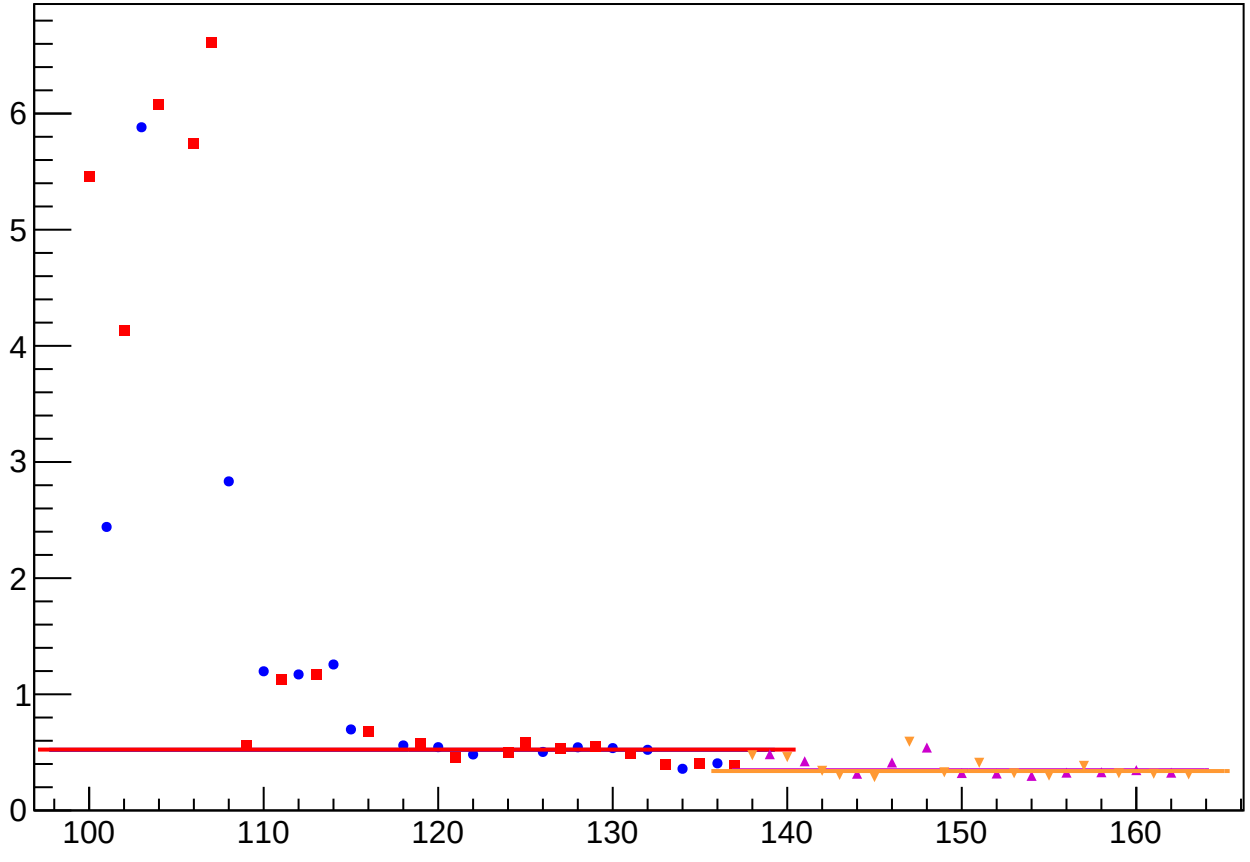
Left In: -41.142+/-0.000 χ^2/NDF:19289386.4/11

+ sign -41.112+/-0.000 χ^2/NDF: 3469861111.4/29

All: -40.948+/-0.000 χ^2/NDF: 6036253340.8/

- sign -40.767+/-0.000 χ^2/NDF: 2560307180.6/30

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:705132.7/13

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

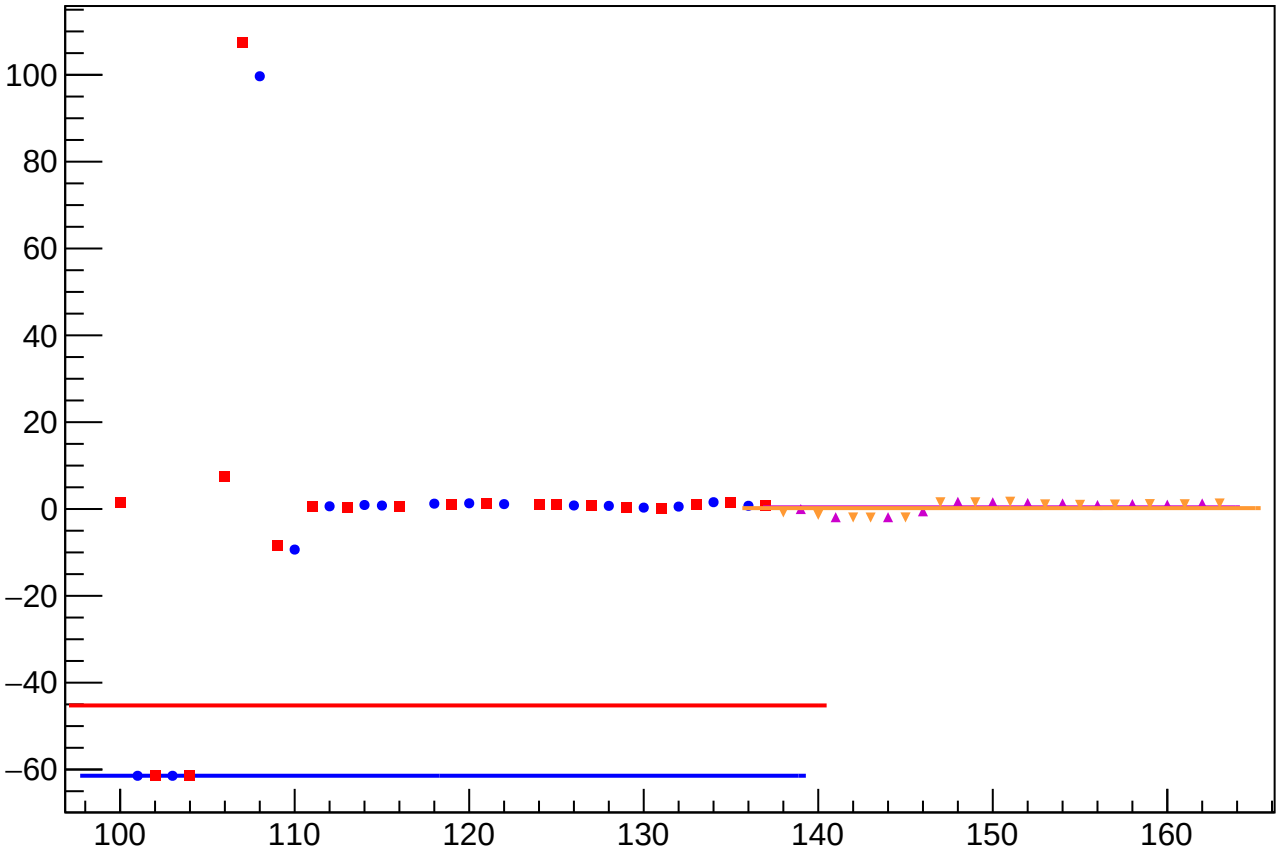
Left In: 0.347+/-0.000 χ^2/NDF:522387.2/11

+ sign 0.371+/-0.000 χ^2/NDF: 4675938.7/29

All: 0.375+/-0.000 χ^2/NDF: 9390760.3/60

- sign 0.379+/-0.000 χ^2/NDF: 4707271.4/30

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.201+/-0.000 χ^2/NDF:92768246.4/13

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

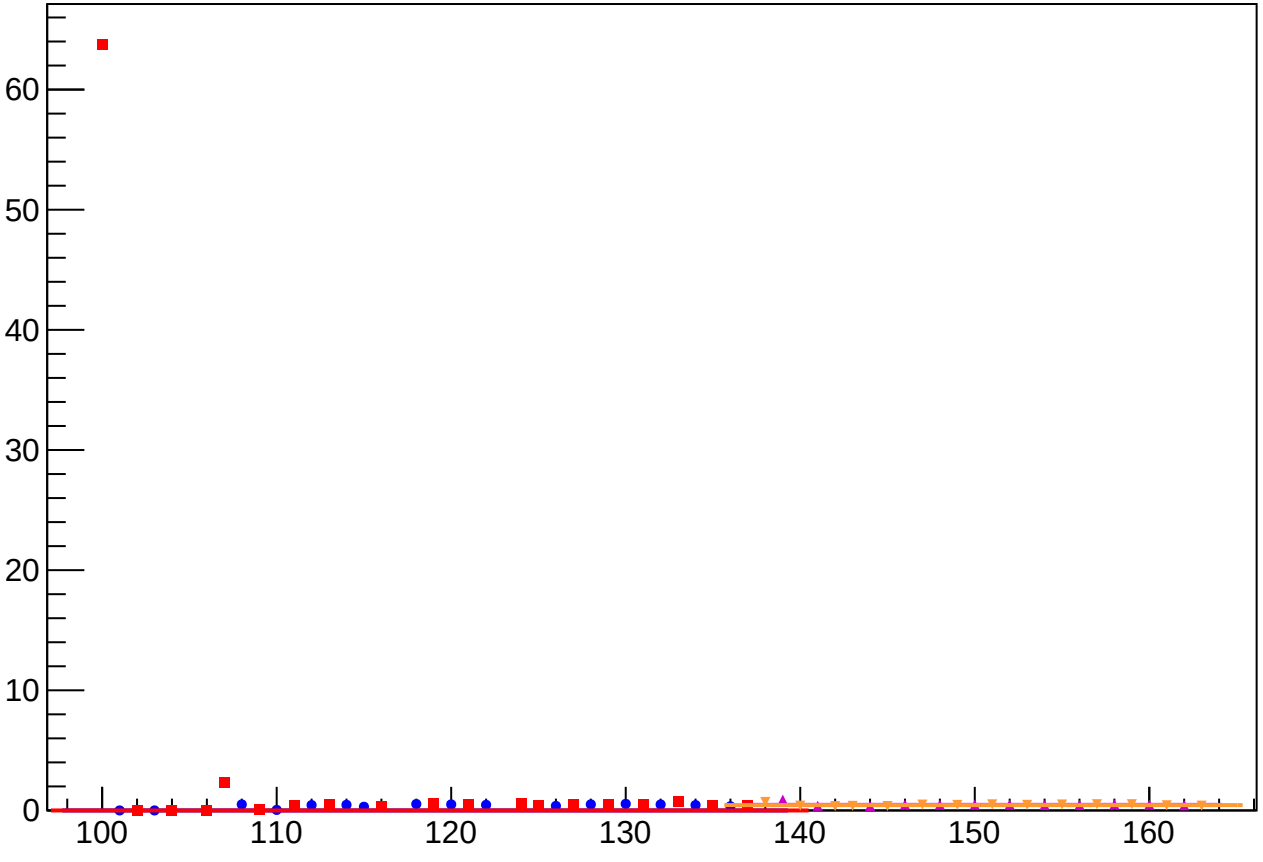
Left In: 0.388+/-0.000 χ^2/NDF:68819485.1/11

+ sign -61.429+/-0.000 χ^2/NDF: 440893156227.4/2

All: -52.744+/-0.000 χ^2/NDF: 409352756890

- sign -45.241+/-0.000 χ^2/NDF: 357949462794738.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.446+/-0.000 χ^2/NDF:453027.4/13

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

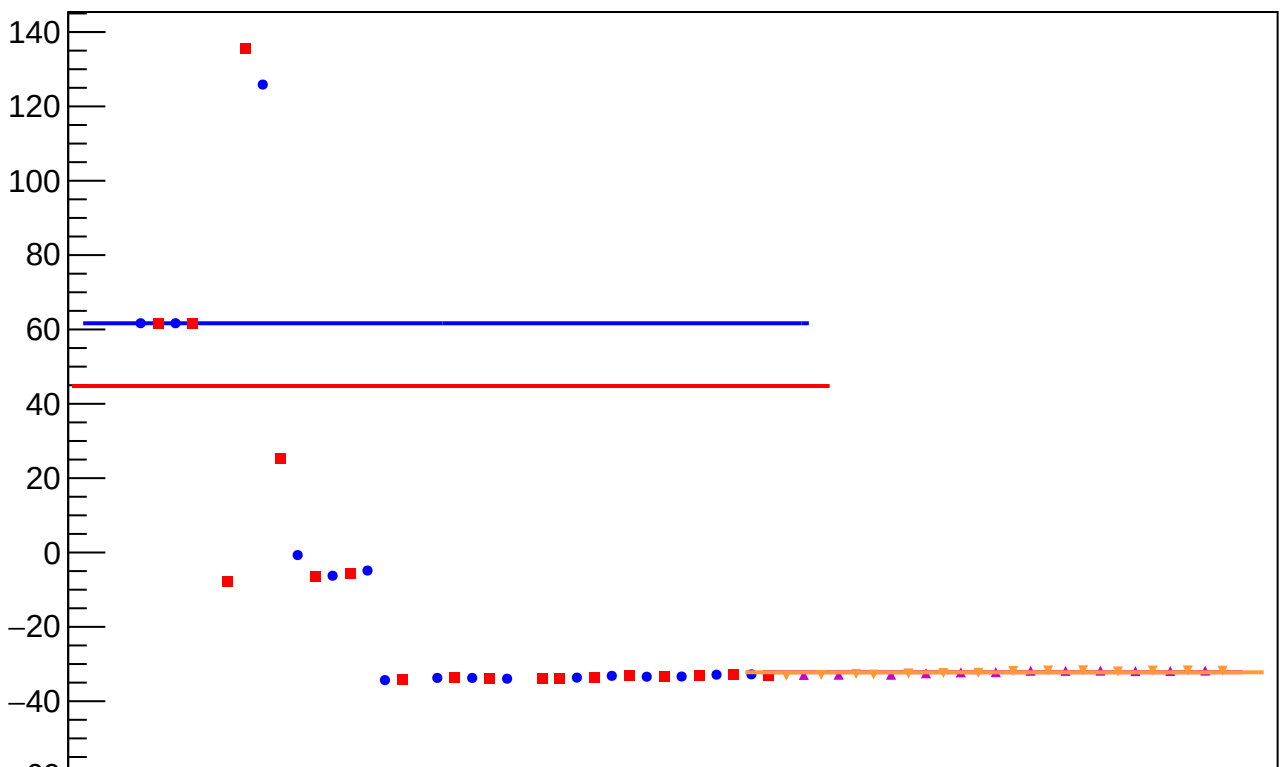
Left In: 0.466+/-0.000 χ^2/NDF:540503.8/11

+ sign 0.002+/-0.000 χ^2/NDF: 27002650.4/29

All: 0.002+/-0.000 χ^2/NDF: 53251894.4/60

- sign 0.002+/-0.000 χ^2/NDF: 26249163.7/30

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.220+/-0.000 χ^2/NDF:29609005.3/13

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

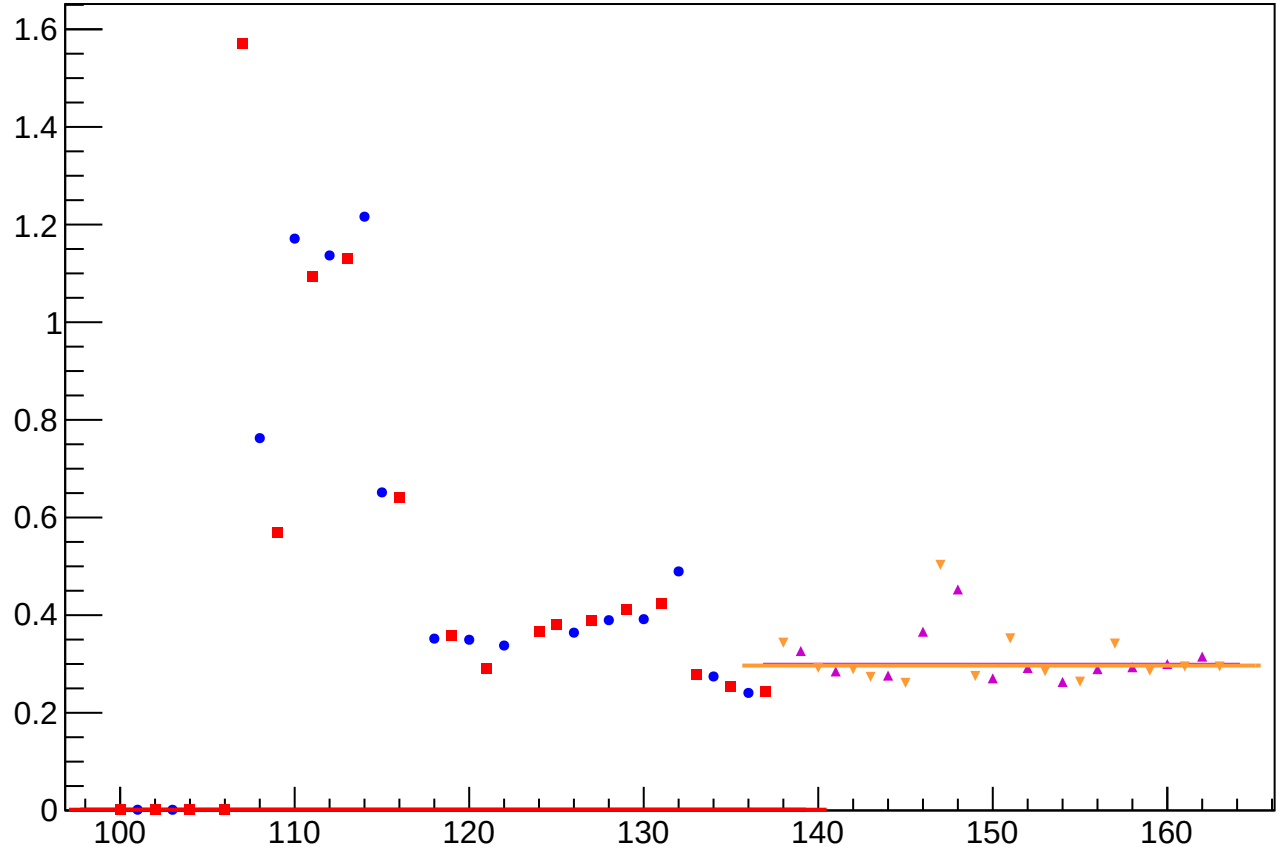
Left In: -32.191+/-0.000 χ^2/NDF:22649266.5/11

+ sign 61.629+/-0.000 χ^2/NDF: 1422938080704.8/2

All: 52.662+/-0.000 χ^2/NDF: 419222413250

- sign 44.763+/-0.000 χ^2/NDF: 366746663398647.2

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443354.9/13

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

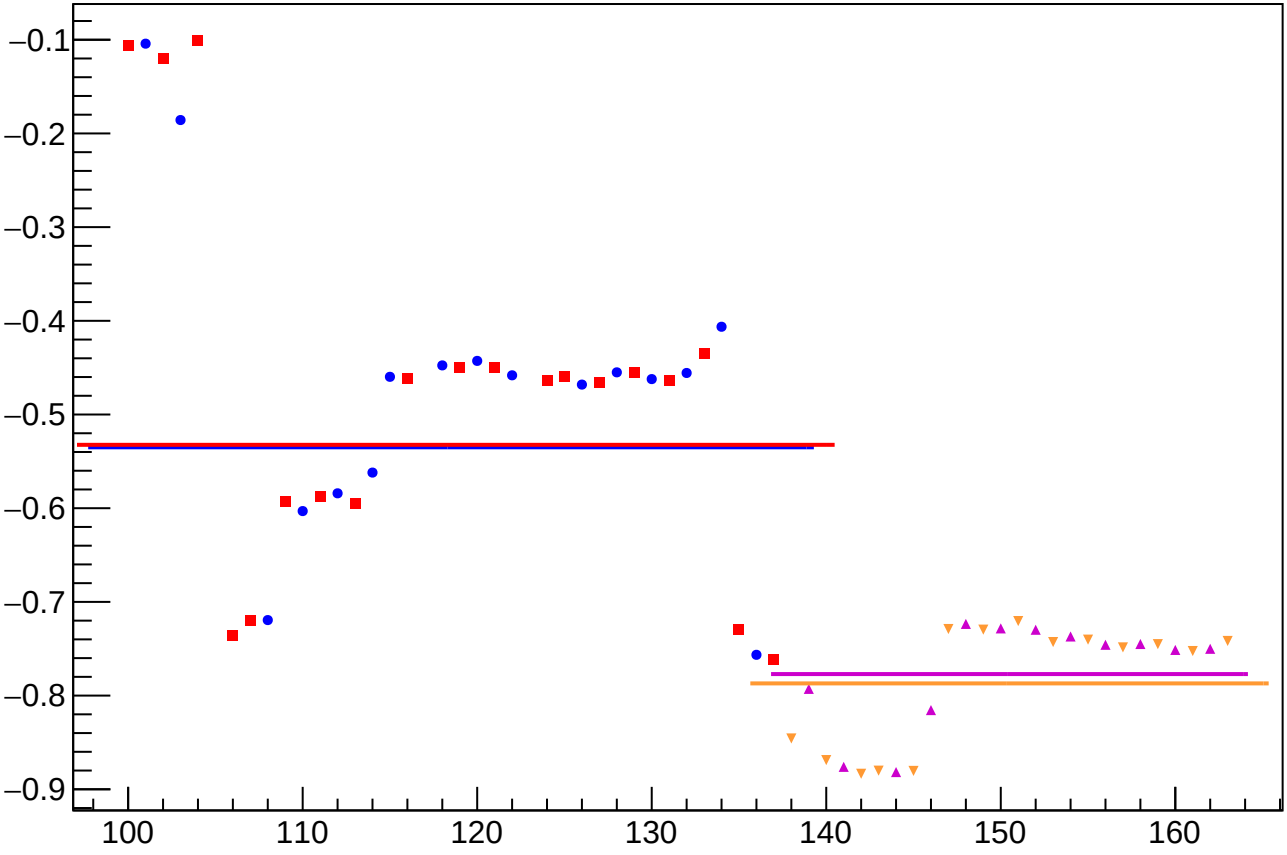
Left In: 0.298+/-0.000 χ^2/NDF:323742.2/11

+ sign 0.002+/-0.000 χ^2/NDF: 32306563.9/29

All: 0.002+/-0.000 χ^2/NDF: 62577037.2/60

- sign 0.002+/-0.000 χ^2/NDF: 30270473.2/30

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.787+/-0.000 χ^2/NDF:101468386.9/13

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

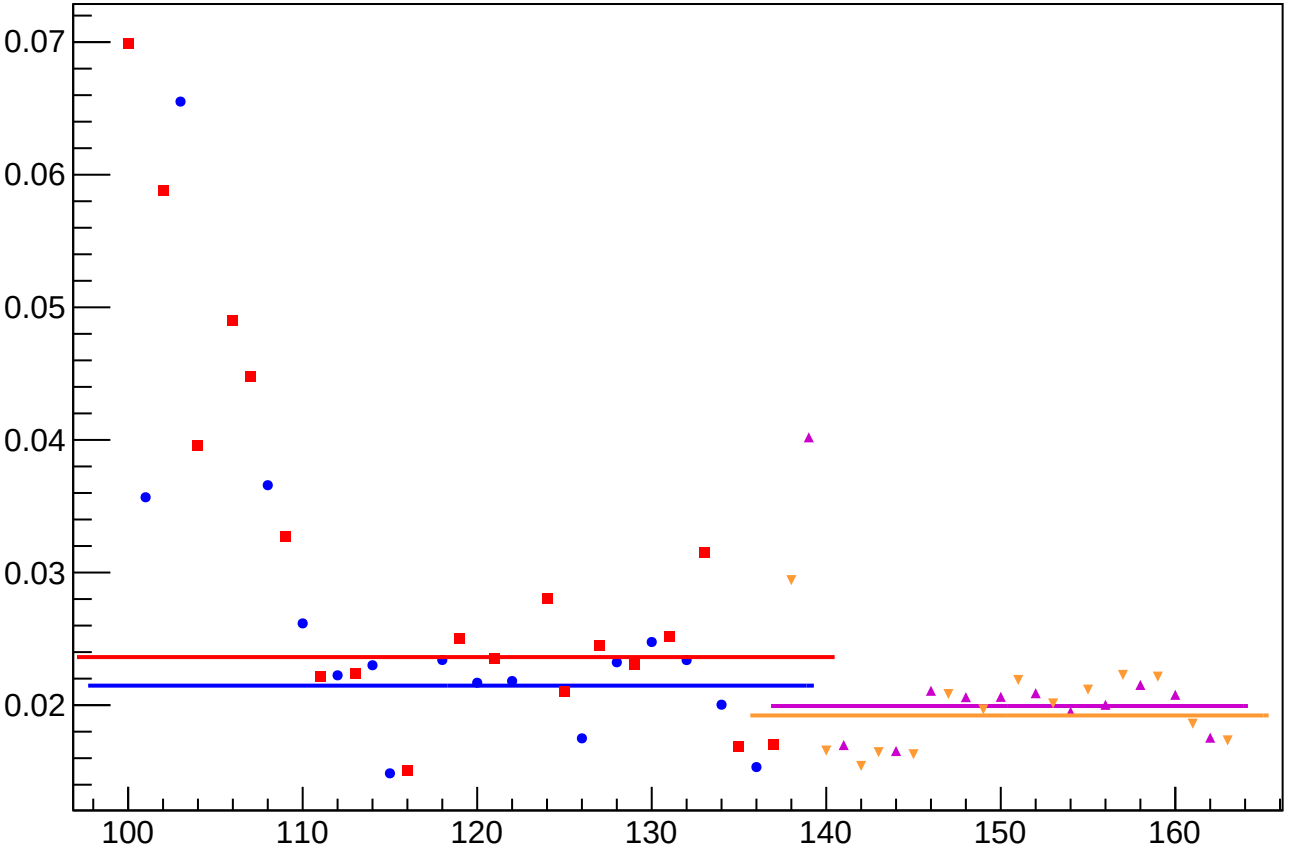
Left In: -0.777+/-0.000 χ^2/NDF:70759638.5/11

+ sign -0.704+/-0.000 χ^2/NDF: 897136598.7/29

All: -0.701+/-0.000 χ^2/NDF: 1585757984.8/6

- sign -0.697+/-0.000 χ^2/NDF: 687875772.0/30

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:404120.0/13

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

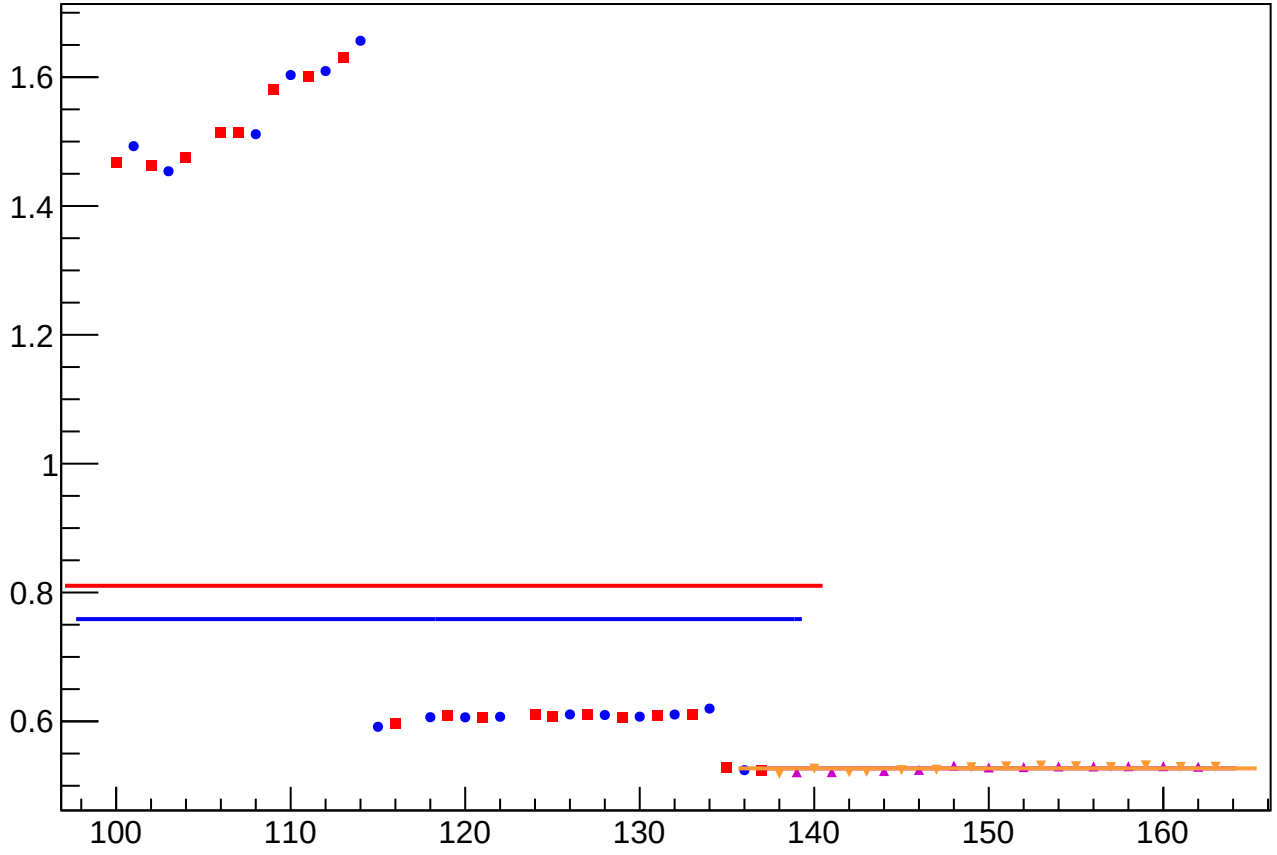
Left In: 0.020+/-0.000 χ^2/NDF:565535.6/11

+ sign 0.020+/-0.000 χ^2/NDF: 1636939.4/29

All: 0.021+/-0.000 χ^2/NDF: 3708370.7/60

- sign 0.021+/-0.000 χ^2/NDF: 2026152.0/30

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1149077.4/13

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

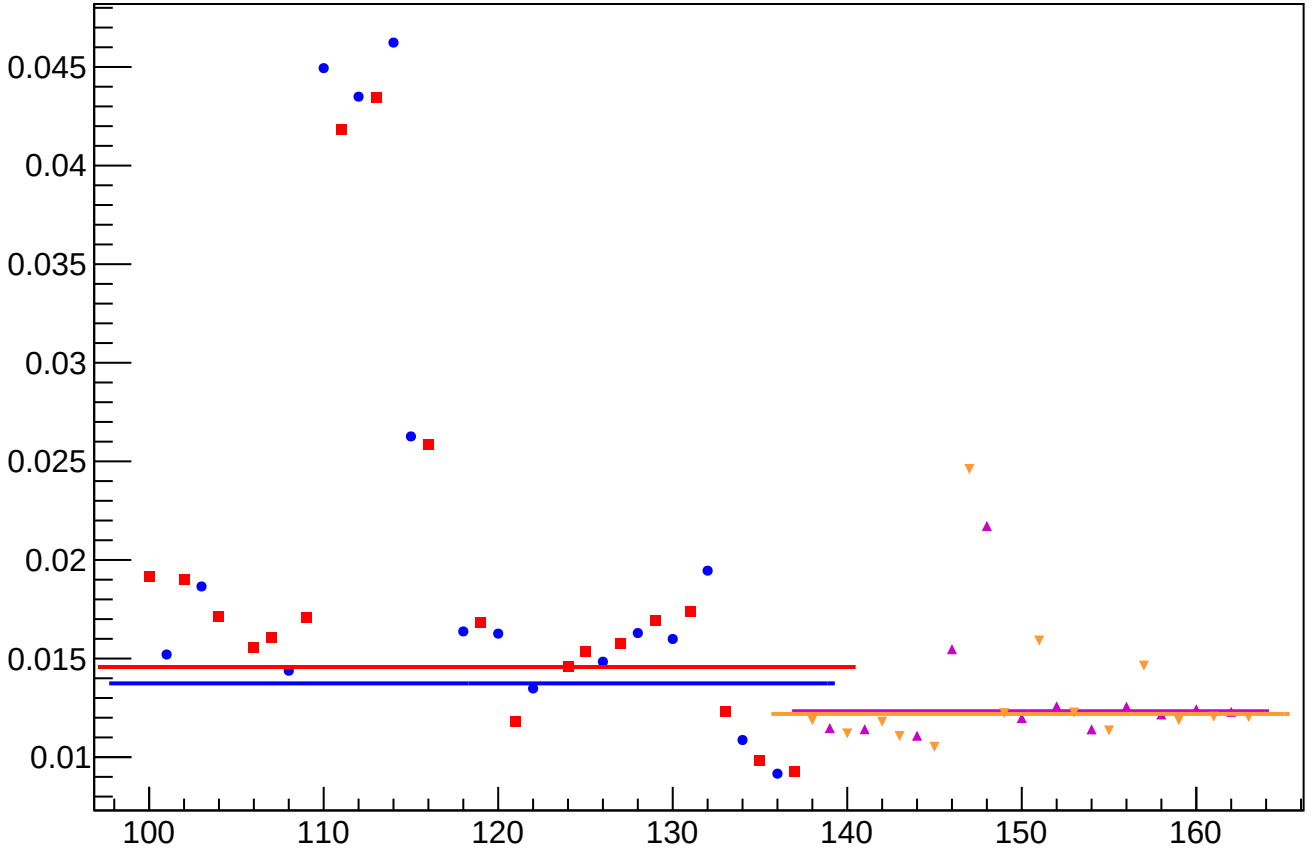
Left In: 0.527+/-0.000 χ^2/NDF:907612.2/11

+ sign 0.598+/-0.000 χ^2/NDF: 5475926442.6/29

All: 0.607+/-0.000 χ^2/NDF: 11882176989.2/6

- sign 0.616+/-0.000 χ^2/NDF: 6391667001.7/30

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:613808.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

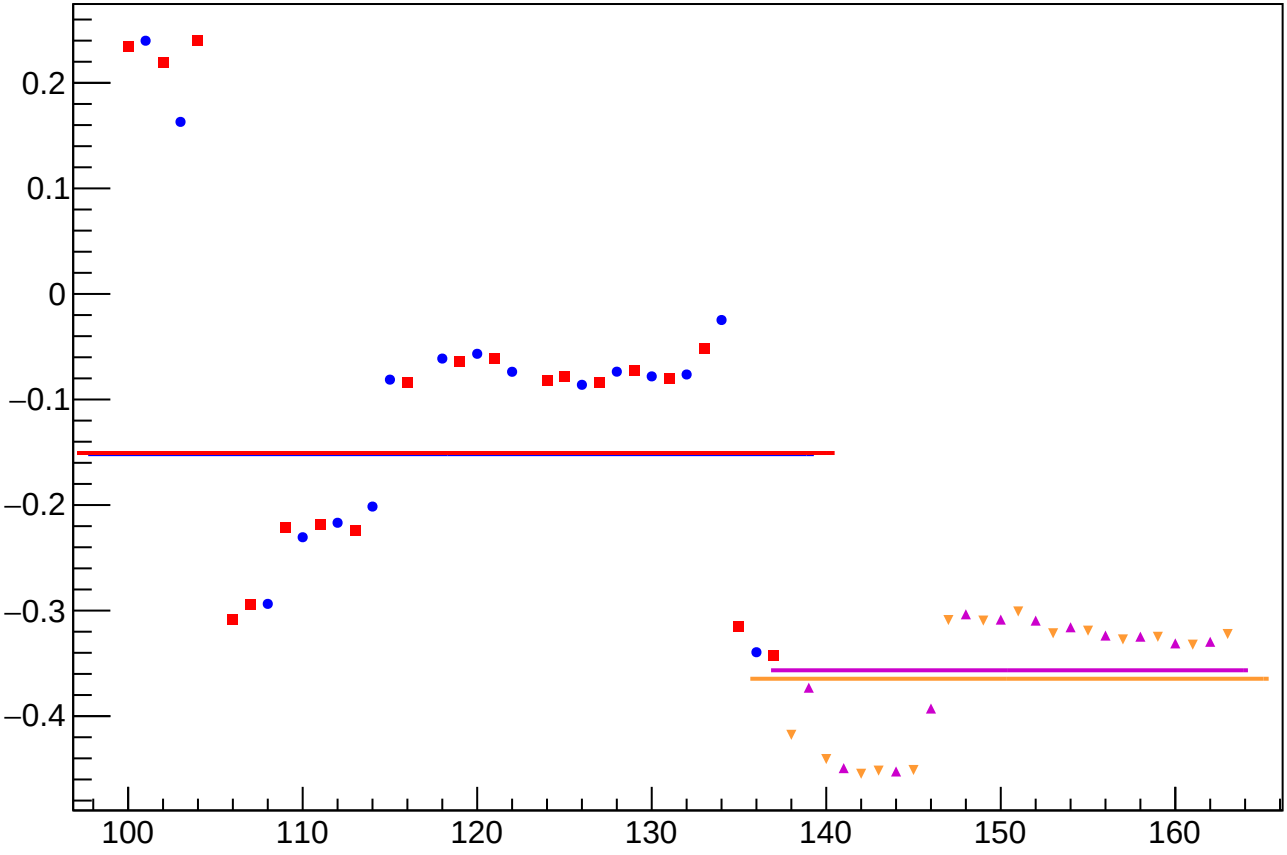
Left In: 0.012+/-0.000 χ^2/NDF:416353.1/11

+ sign 0.013+/-0.000 χ^2/NDF: 2368127.6/29

All: 0.013+/-0.000 χ^2/NDF: 4455304.5/60

- sign 0.013+/-0.000 χ^2/NDF: 2074438.1/30

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:98582993.6/13

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

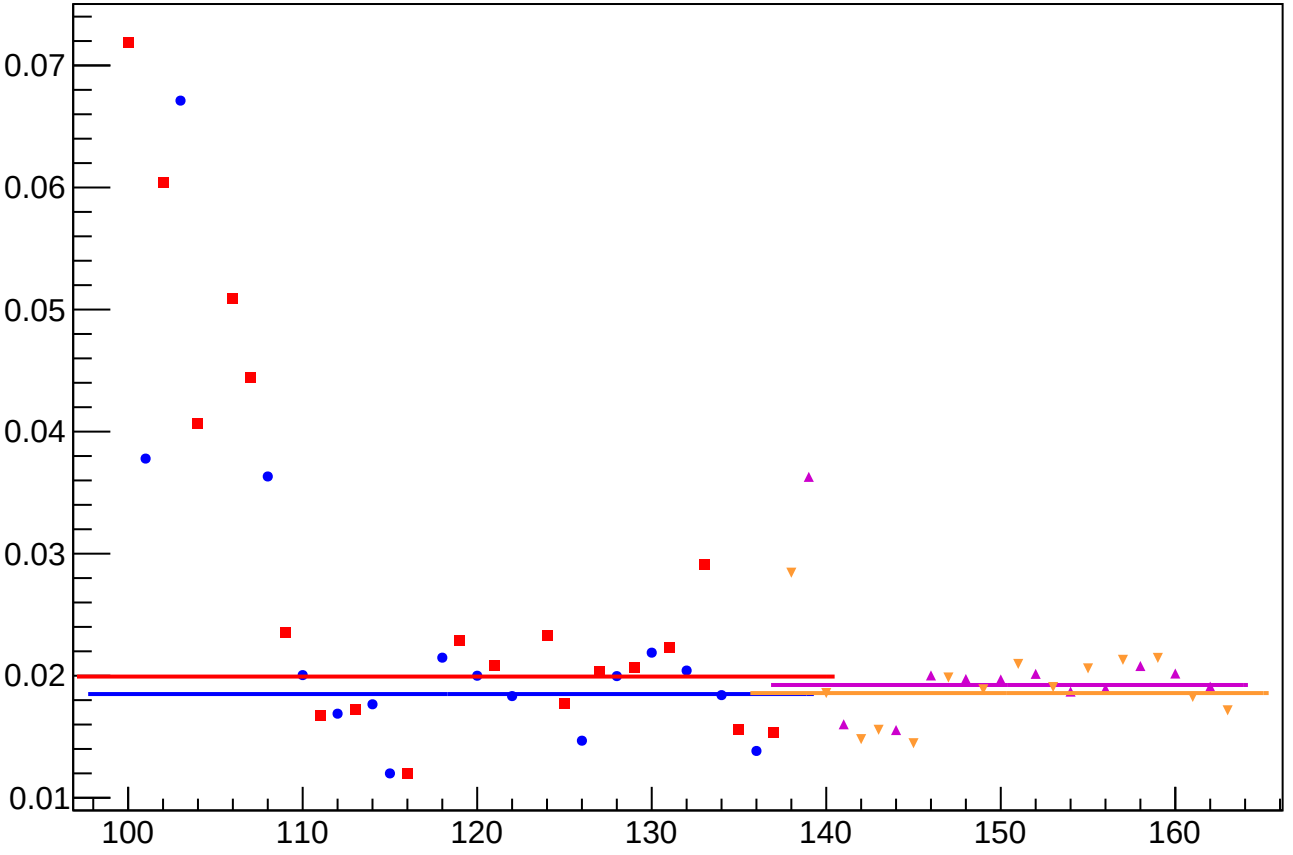
Left In: -0.357+/-0.000 χ^2/NDF:71715817.7/11

+ sign -0.285+/-0.000 χ^2/NDF: 810809242.3/29

All: -0.282+/-0.000 χ^2/NDF: 1442841641.4/6

- sign -0.278+/-0.000 χ^2/NDF: 631281506.2/30

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:433509.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

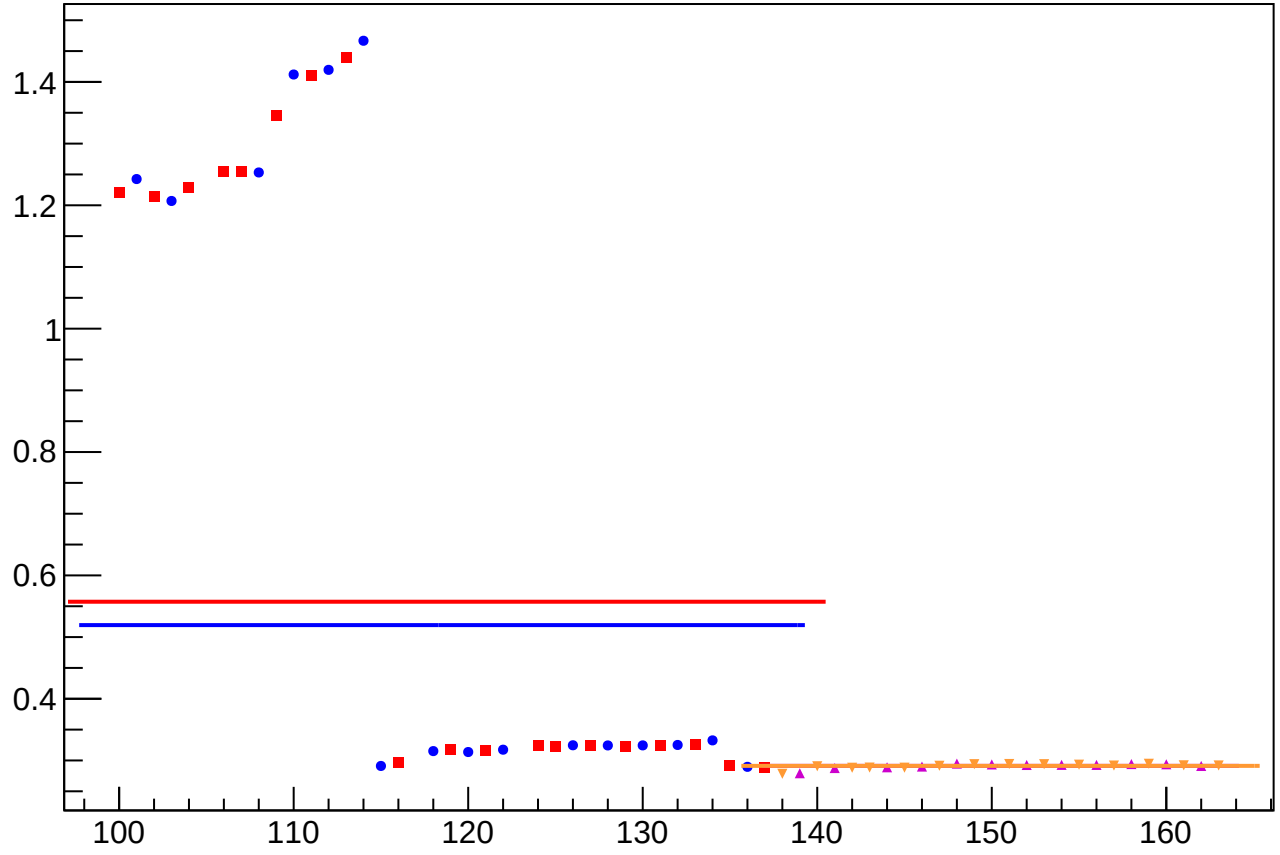
Left In: 0.019+/-0.000 χ^2/NDF:516307.9/11

+ sign 0.019+/-0.000 χ^2/NDF: 1805991.7/29

All: 0.019+/-0.000 χ^2/NDF: 3912966.3/60

- sign 0.020+/-0.000 χ^2/NDF: 2071957.8/30

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:1134643.7/13

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

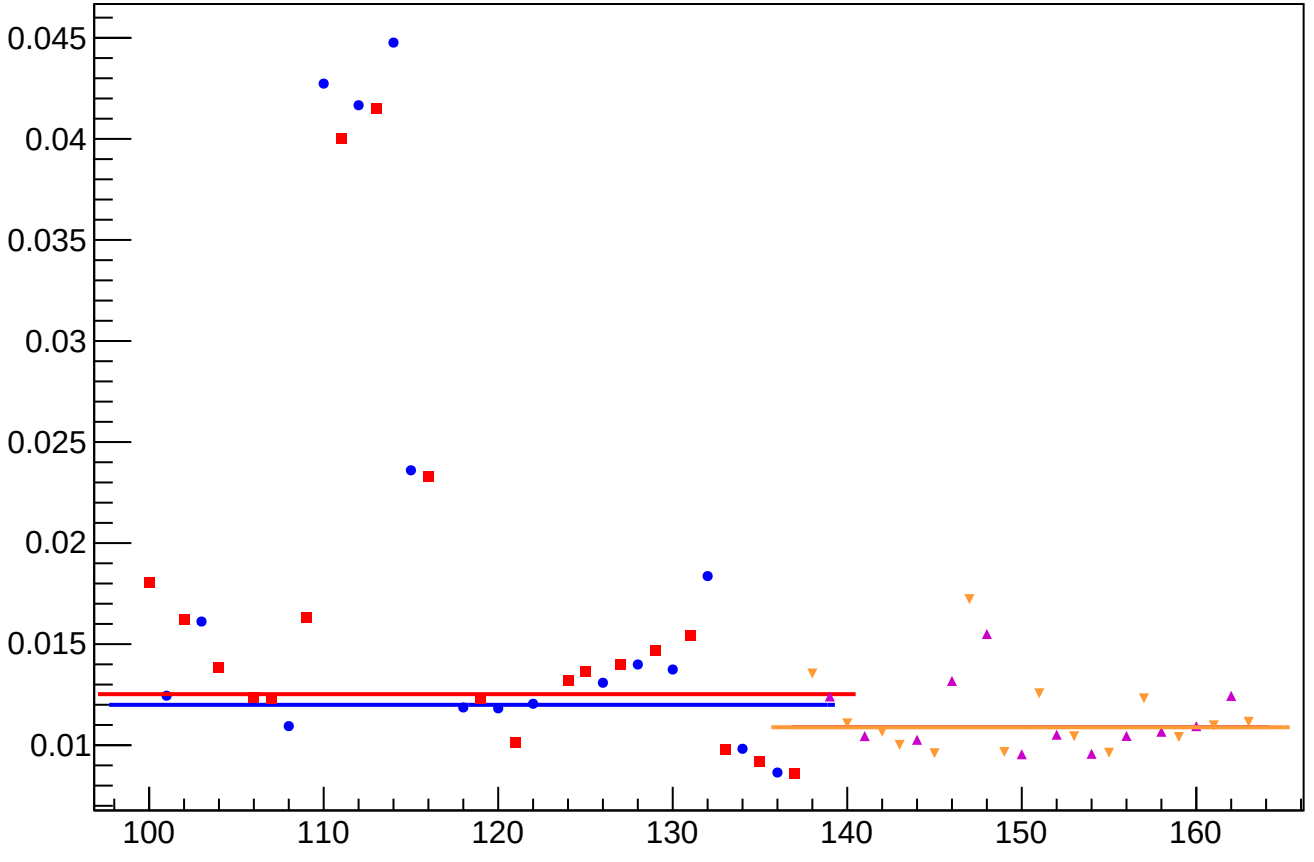
Left In: 0.291+/-0.000 χ^2/NDF:1167471.1/11

+ sign 0.364+/-0.000 χ^2/NDF: 7790537207.0/29

All: 0.370+/-0.000 χ^2/NDF: 16424534280.1/6

- sign 0.377+/-0.000 χ^2/NDF: 8623621855.6/30

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:424821.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

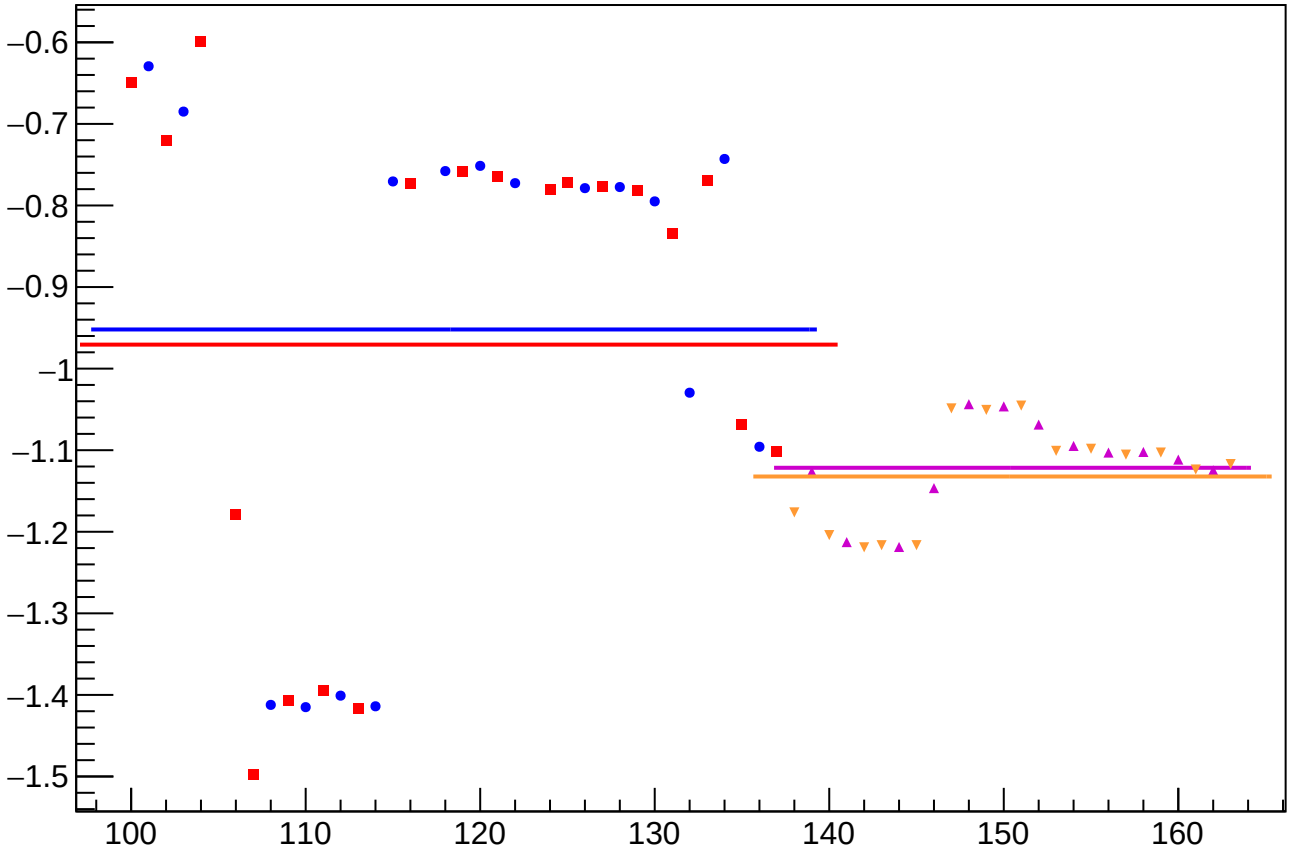
Left In: 0.011+/-0.000 χ^2/NDF:321108.6/11

+ sign 0.011+/-0.000 χ^2/NDF: 1985982.6/29

All: 0.011+/-0.000 χ^2/NDF: 3885621.7/60

- sign 0.011+/-0.000 χ^2/NDF: 1895540.3/30

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.132+/-0.000 χ^2/NDF:96872249.2/13

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

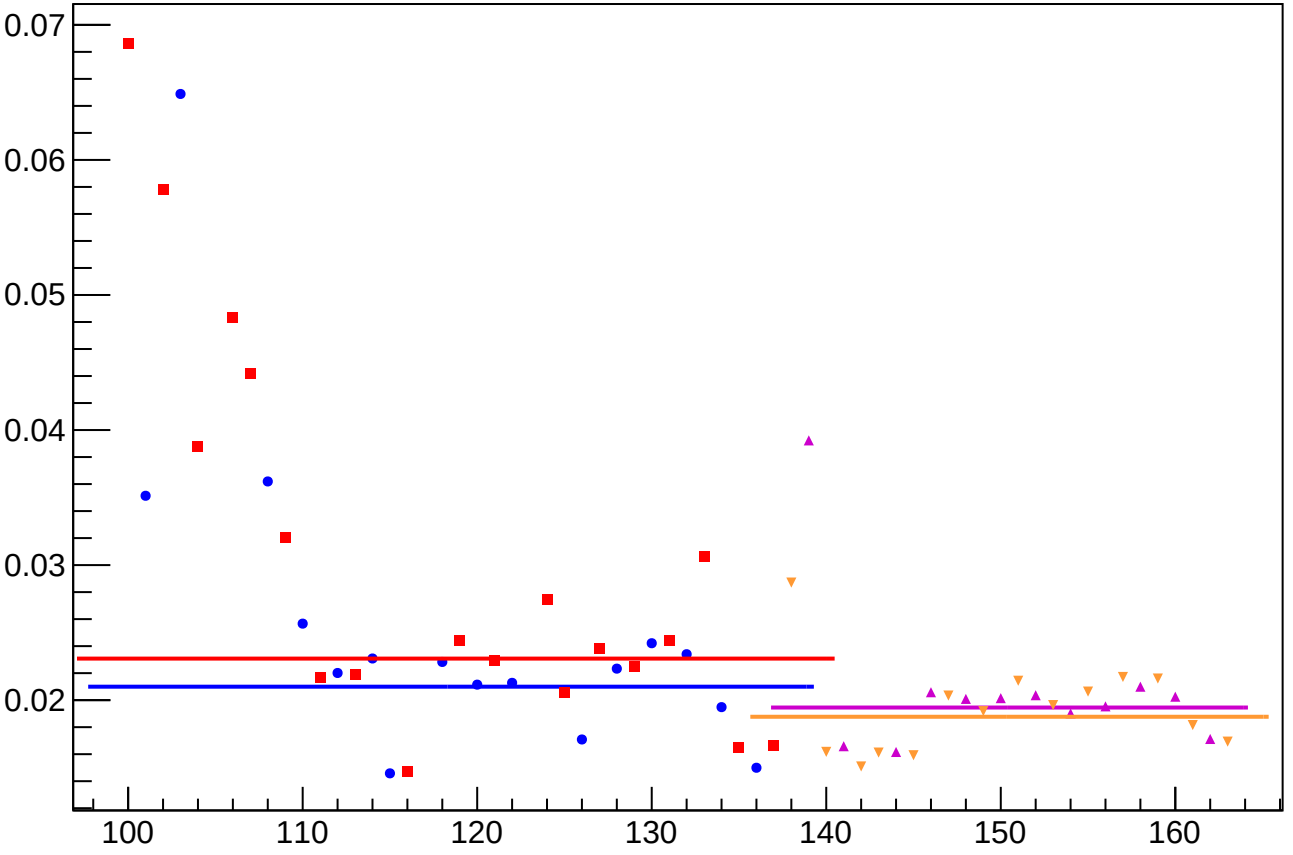
Left In: -1.122+/-0.000 χ^2/NDF:71357511.6/11

+ sign -1.073+/-0.000 χ^2/NDF: 1061116706.3/29

All: -1.073+/-0.000 χ^2/NDF: 2007538406.6/6

- sign -1.072+/-0.000 χ^2/NDF: 946416542.6/30

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:400674.0/13

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

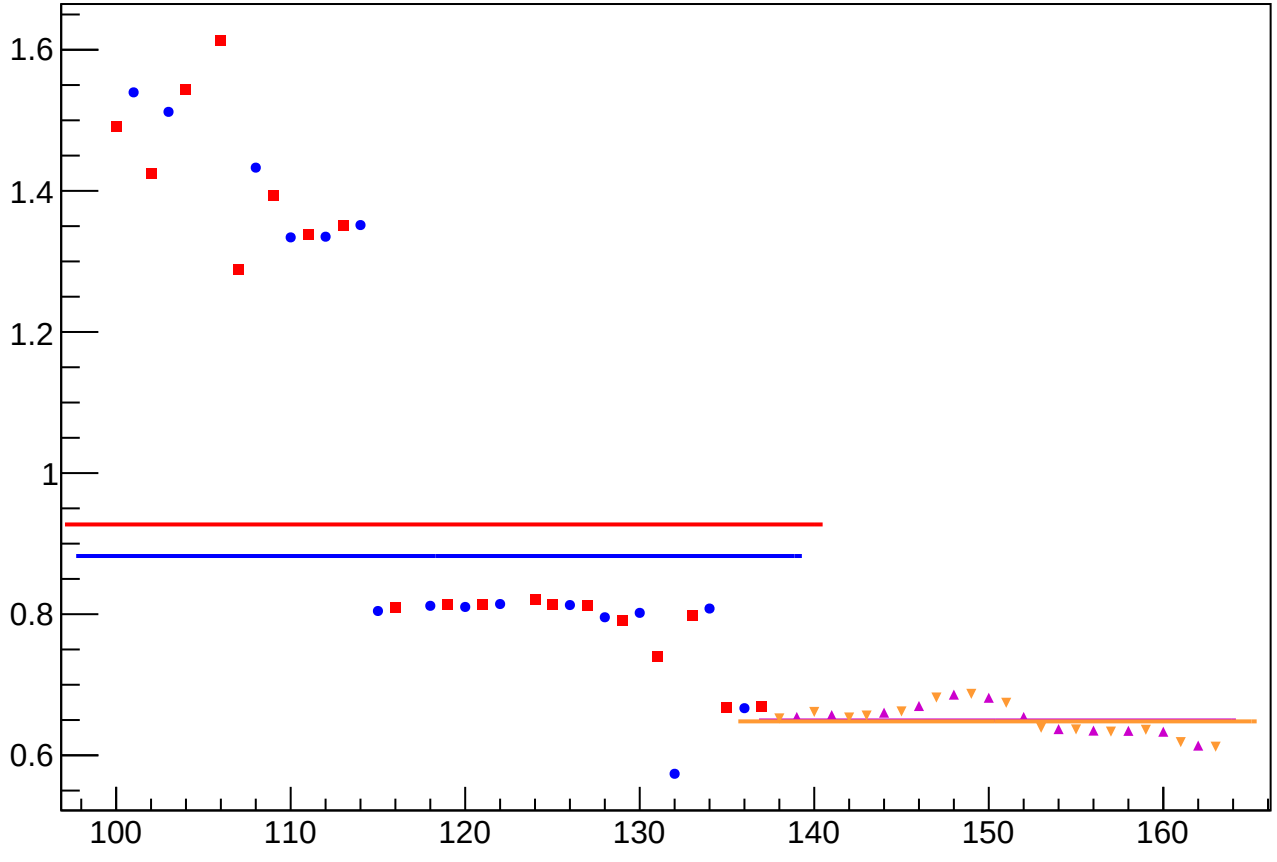
Left In: 0.019+/-0.000 χ^2/NDF:564346.0/11

+ sign 0.020+/-0.000 χ^2/NDF: 1648502.8/29

All: 0.020+/-0.000 χ^2/NDF: 3722959.0/60

- sign 0.021+/-0.000 χ^2/NDF: 2030598.8/30

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.648+/-0.000 χ^2/NDF:30088304.3/13

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

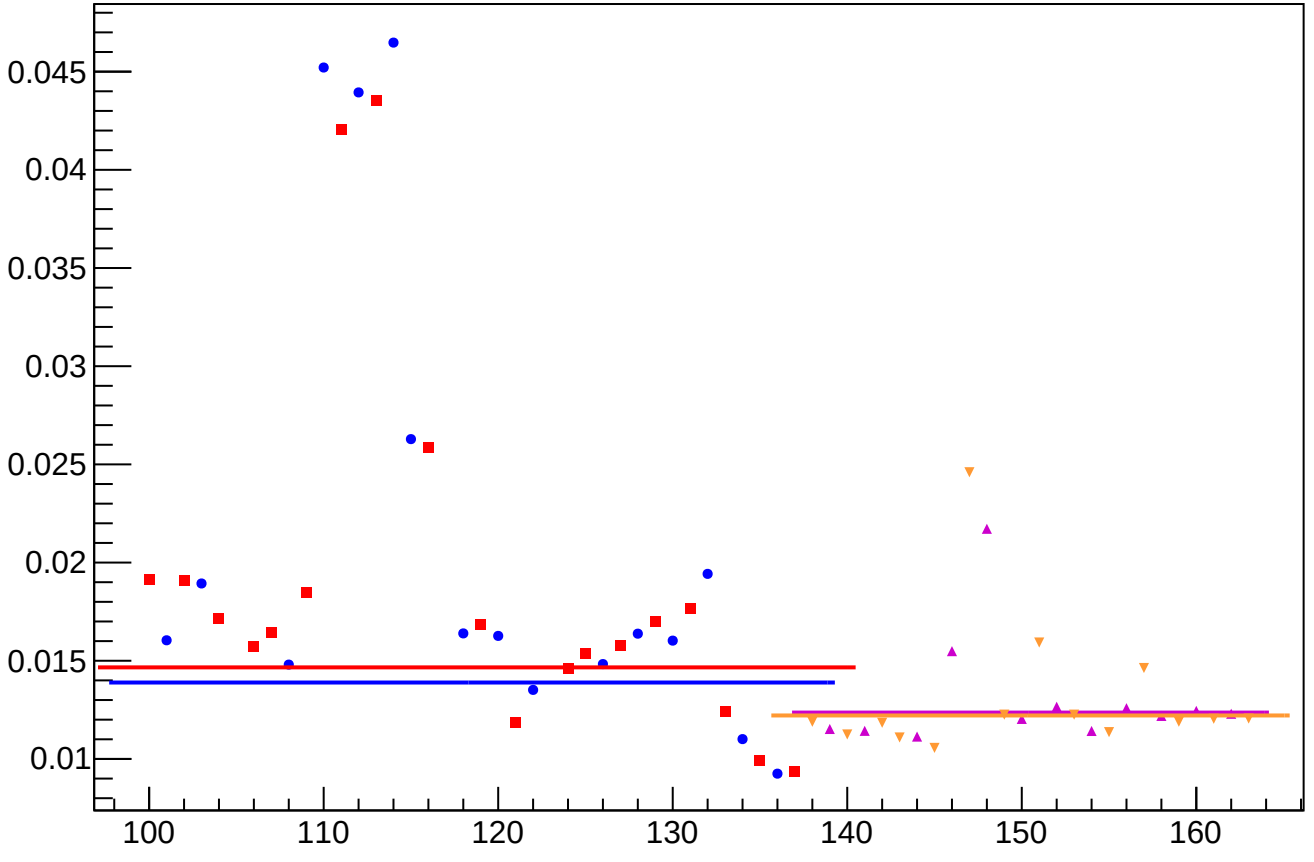
Left In: 0.649+/-0.000 χ^2/NDF:22765095.3/11

+ sign 0.719+/-0.000 χ^2/NDF: 3989133155.5/29

All: 0.727+/-0.000 χ^2/NDF: 8323831301.0/60

- sign 0.736+/-0.000 χ^2/NDF: 4321733432.0/30

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:608689.8/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

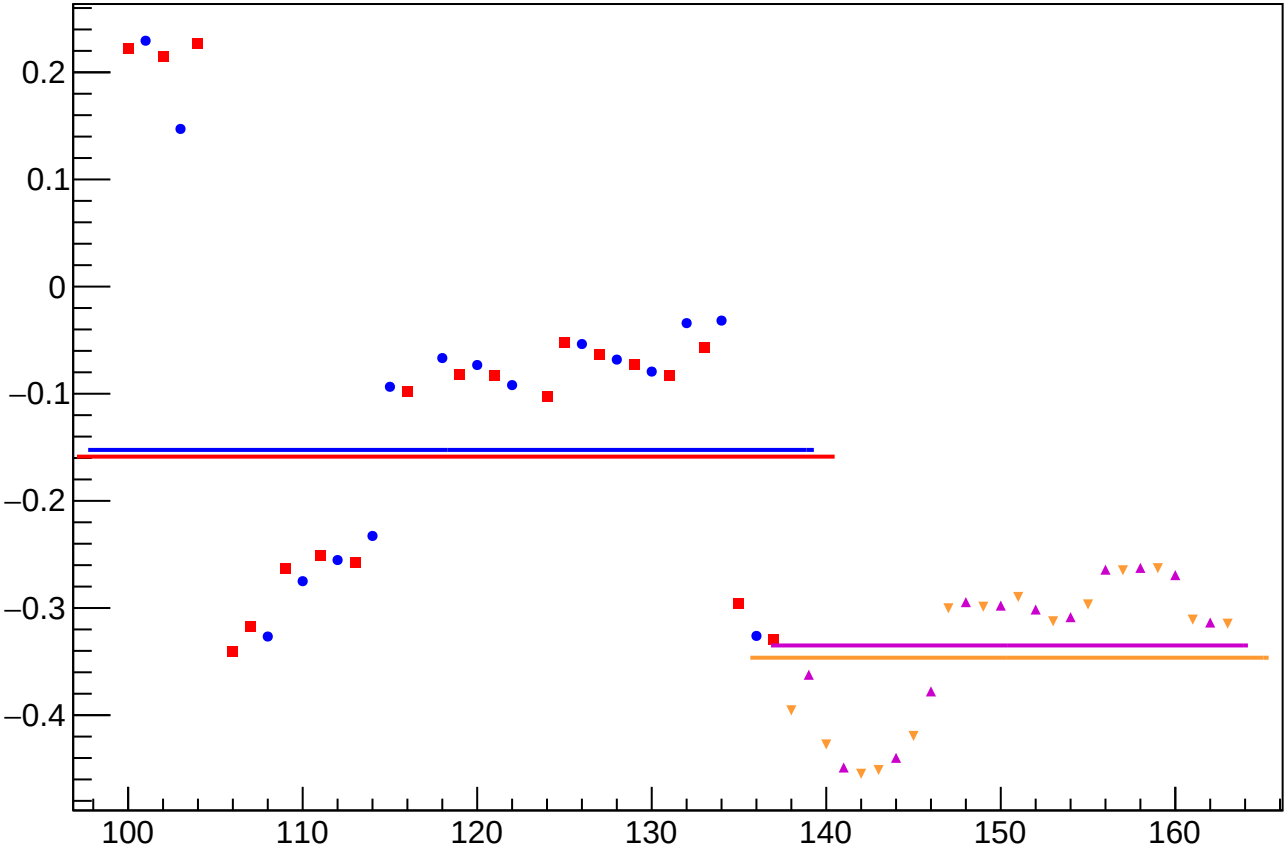
Left In: 0.012+/-0.000 χ^2/NDF:412799.3/11

+ sign 0.013+/-0.000 χ^2/NDF: 2375725.4/29

All: 0.013+/-0.000 χ^2/NDF: 4478401.1/60

- sign 0.013+/-0.000 χ^2/NDF: 2090676.4/30

yield_bpm4ecX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.346+/-0.000 χ^2/NDF:117318495.5/13

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

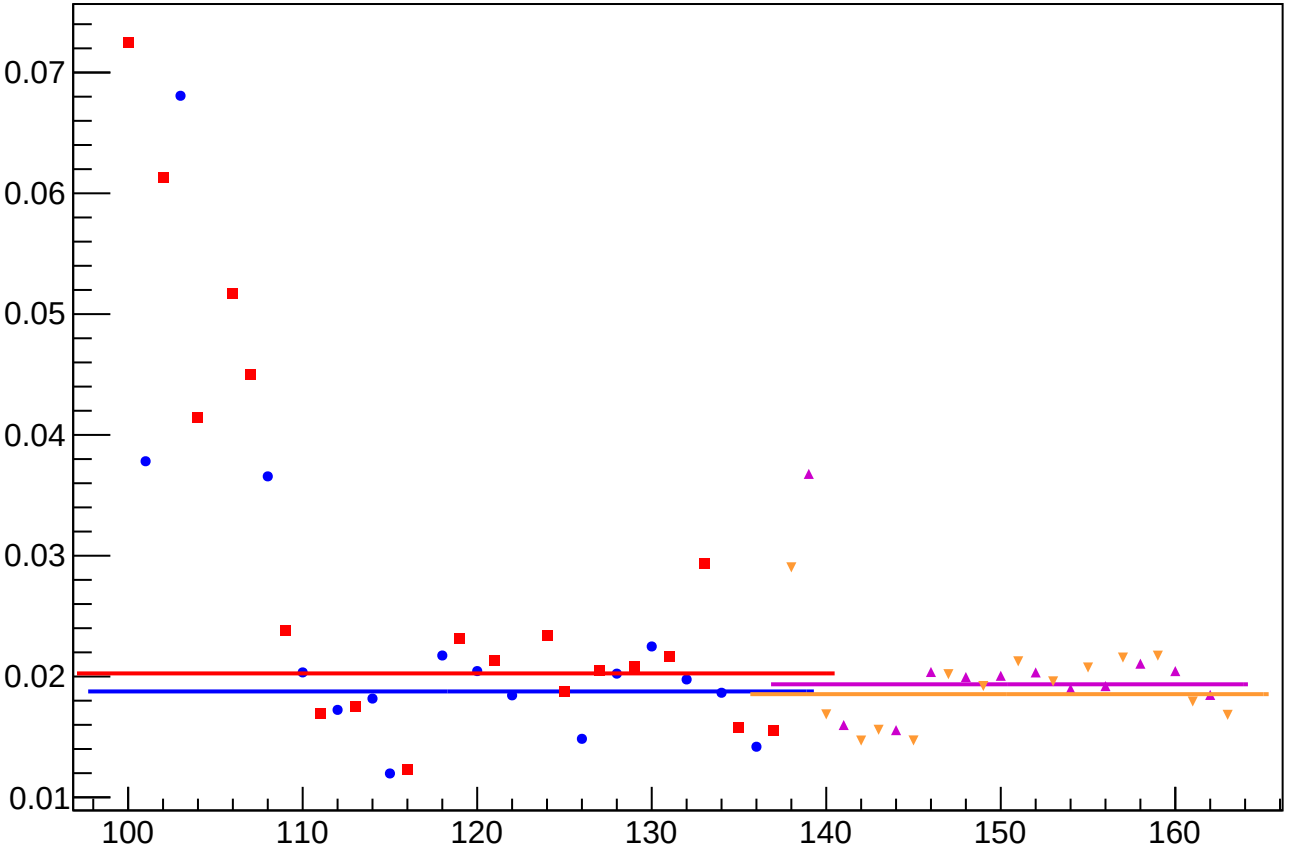
Left In: -0.335+/-0.000 χ^2/NDF:100276096.6/11

+ sign -0.275+/-0.000 χ^2/NDF: 746927368.8/29

All: -0.272+/-0.000 χ^2/NDF: 1300688166.3/6

- sign -0.269+/-0.000 χ^2/NDF: 553107159.2/30

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:477335.2/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

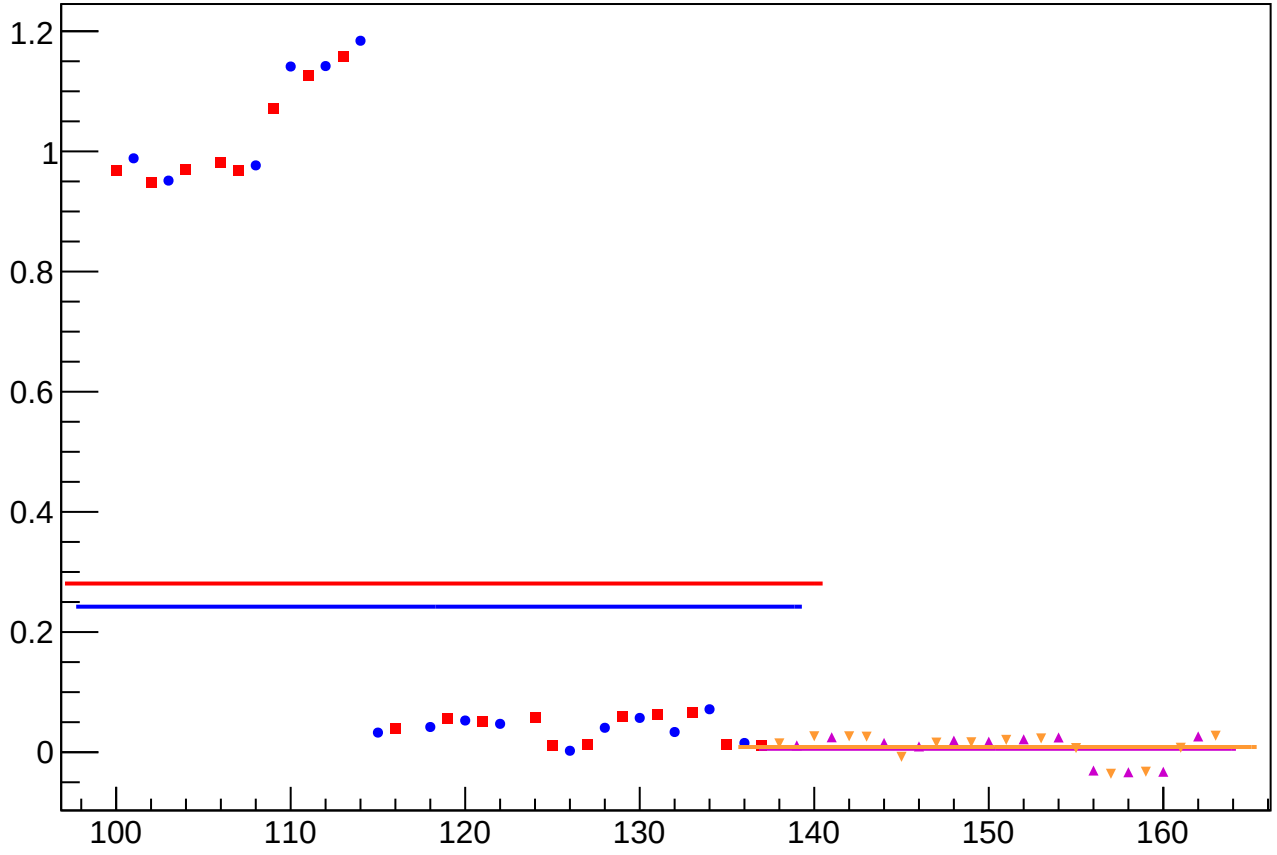
Left In: 0.019+/-0.000 χ^2/NDF:538265.9/11

+ sign 0.019+/-0.000 χ^2/NDF: 1827706.6/29

All: 0.019+/-0.000 χ^2/NDF: 3952374.6/60

- sign 0.020+/-0.000 χ^2/NDF: 2081339.0/30

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38031951.2/13

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

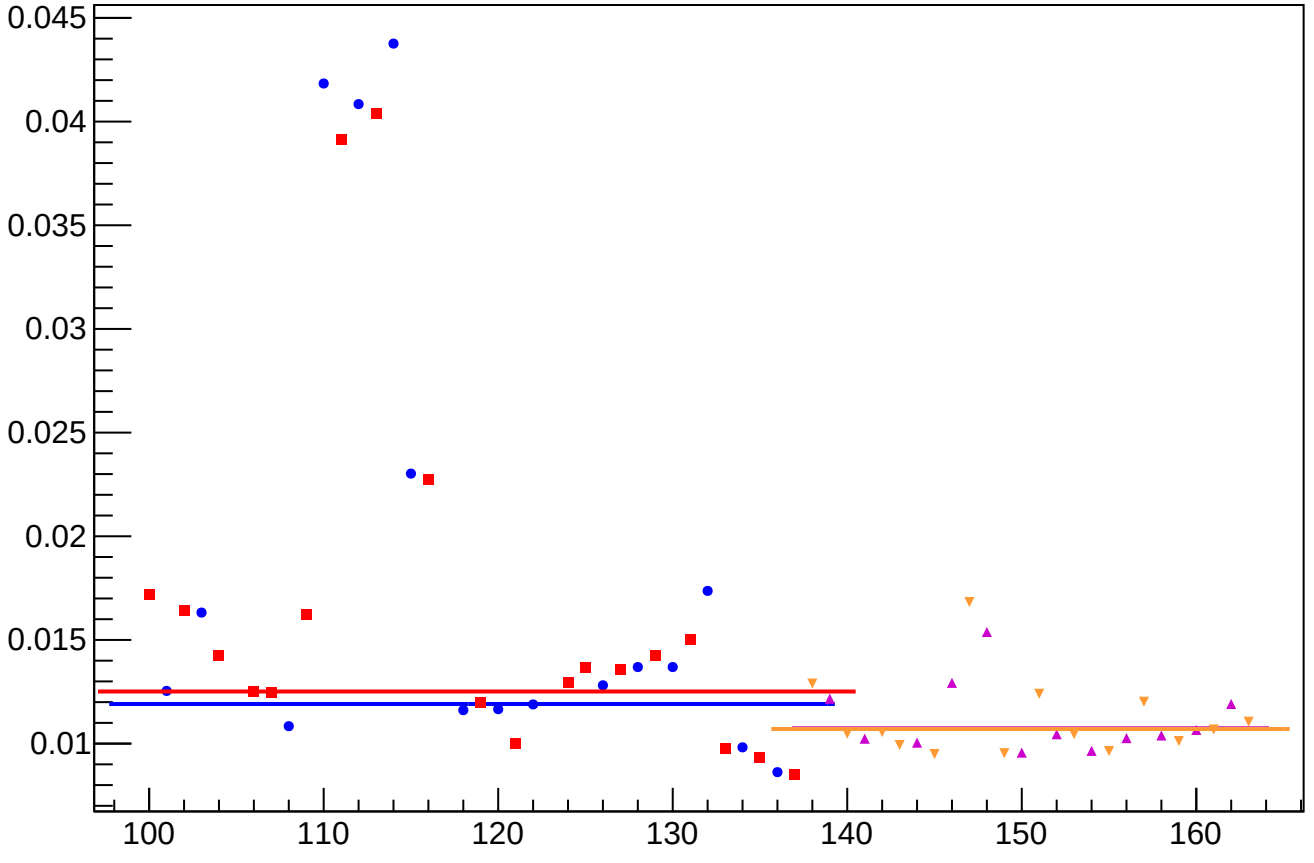
Left In: 0.006+/-0.000 χ^2/NDF:45880801.5/11

+ sign 0.082+/-0.000 χ^2/NDF: 8121011856.4/29

All: 0.087+/-0.000 χ^2/NDF: 16959871639.0/6

- sign 0.093+/-0.000 χ^2/NDF: 8831778233.4/30

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:390463.5/13

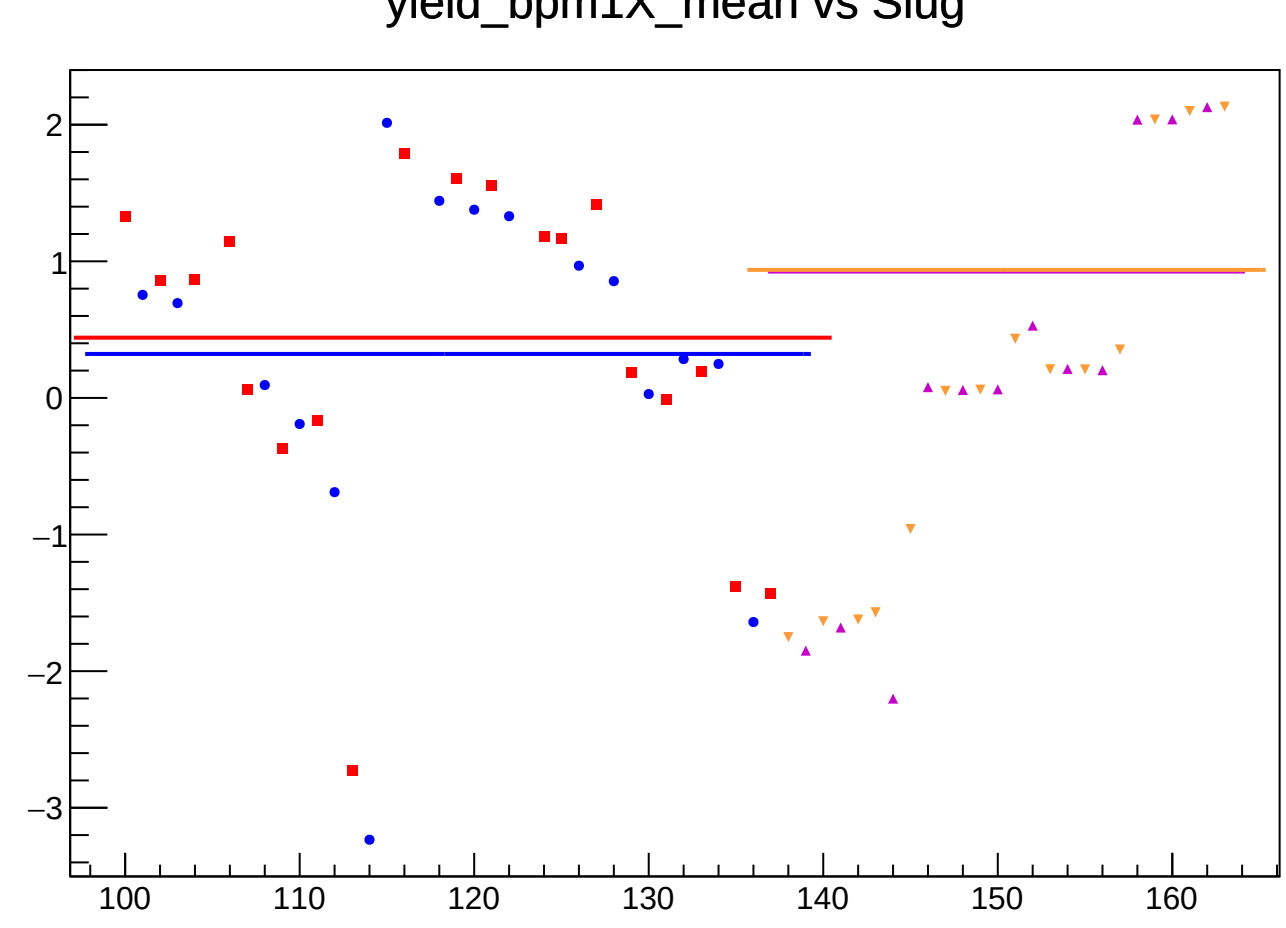
Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:297442.0/11

+ sign 0.011+/-0.000 χ^2/NDF: 1933653.0/29

All: 0.011+/-0.000 χ^2/NDF: 3797909.1/60

- sign 0.011+/-0.000 χ^2/NDF: 1858263.9/30



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.937+/-0.000 χ^2/NDF:26828032508.4/13

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

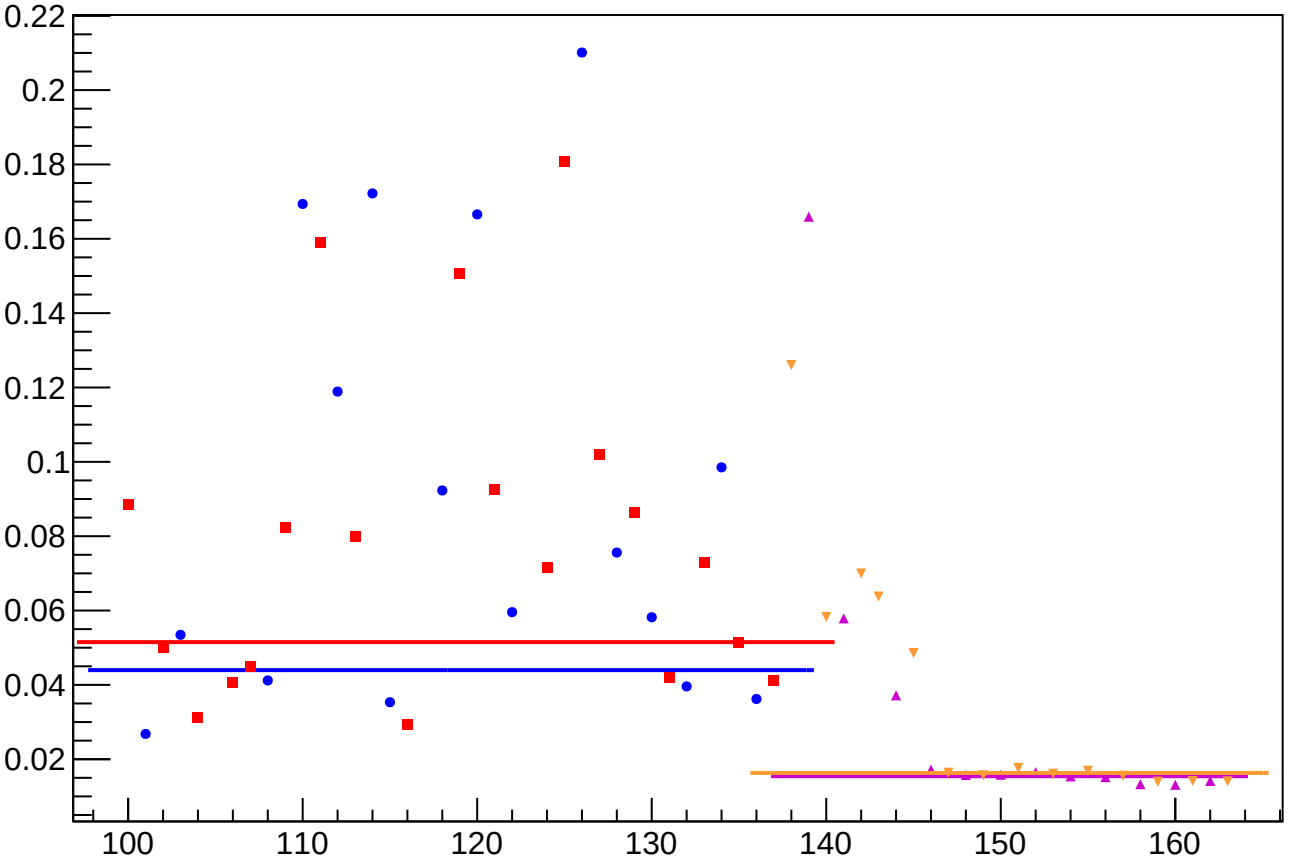
Left In: 0.925+/-0.000 χ^2/NDF:28909845747.1/11

+ sign 0.897+/-0.000 χ^2/NDF: 29194957436.7/29

All: 0.898+/-0.000 χ^2/NDF: 60266985308.0/6

- sign 0.900+/-0.000 χ^2/NDF: 31071880749.2/30

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2872306.8/13

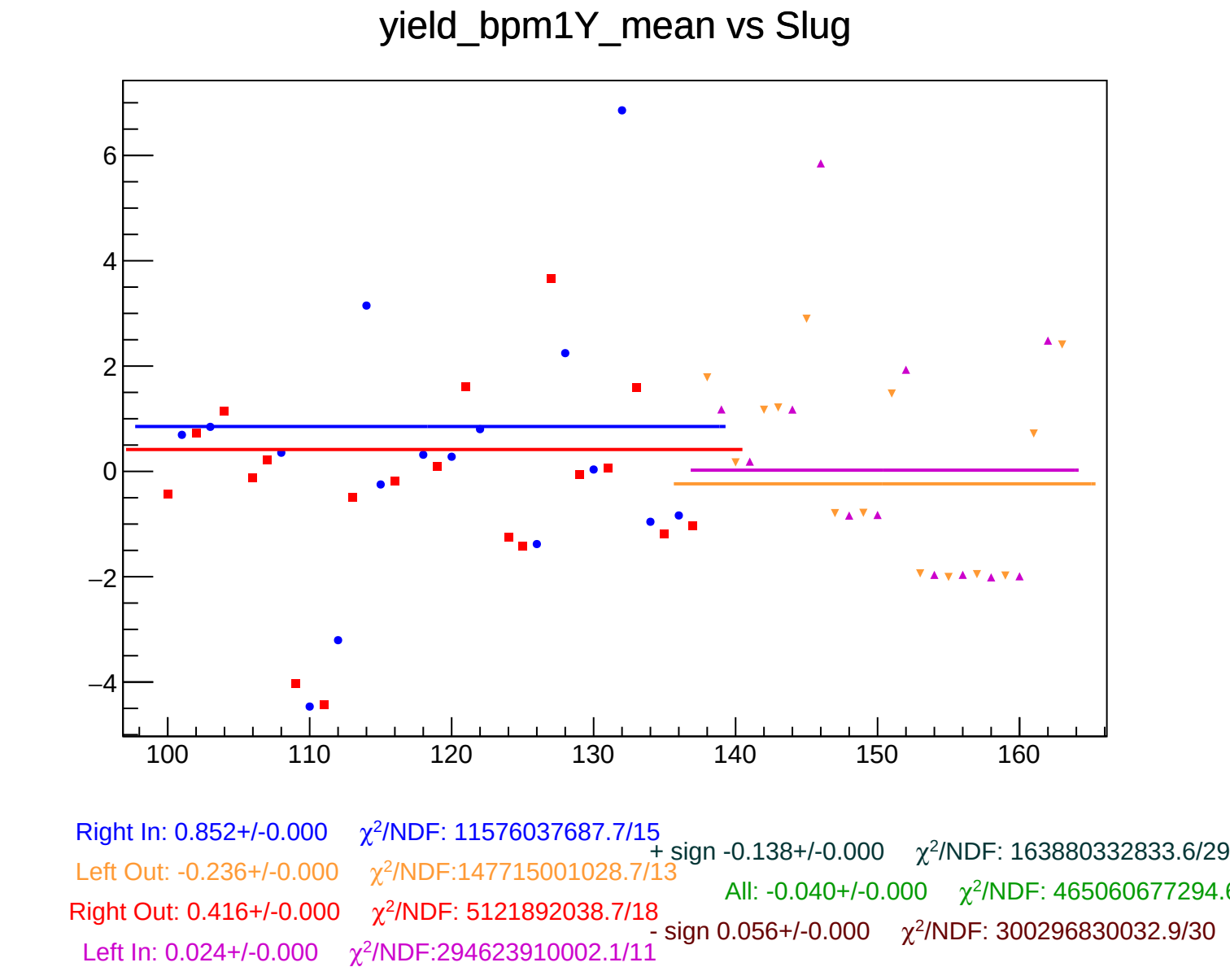
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2126990.1/11

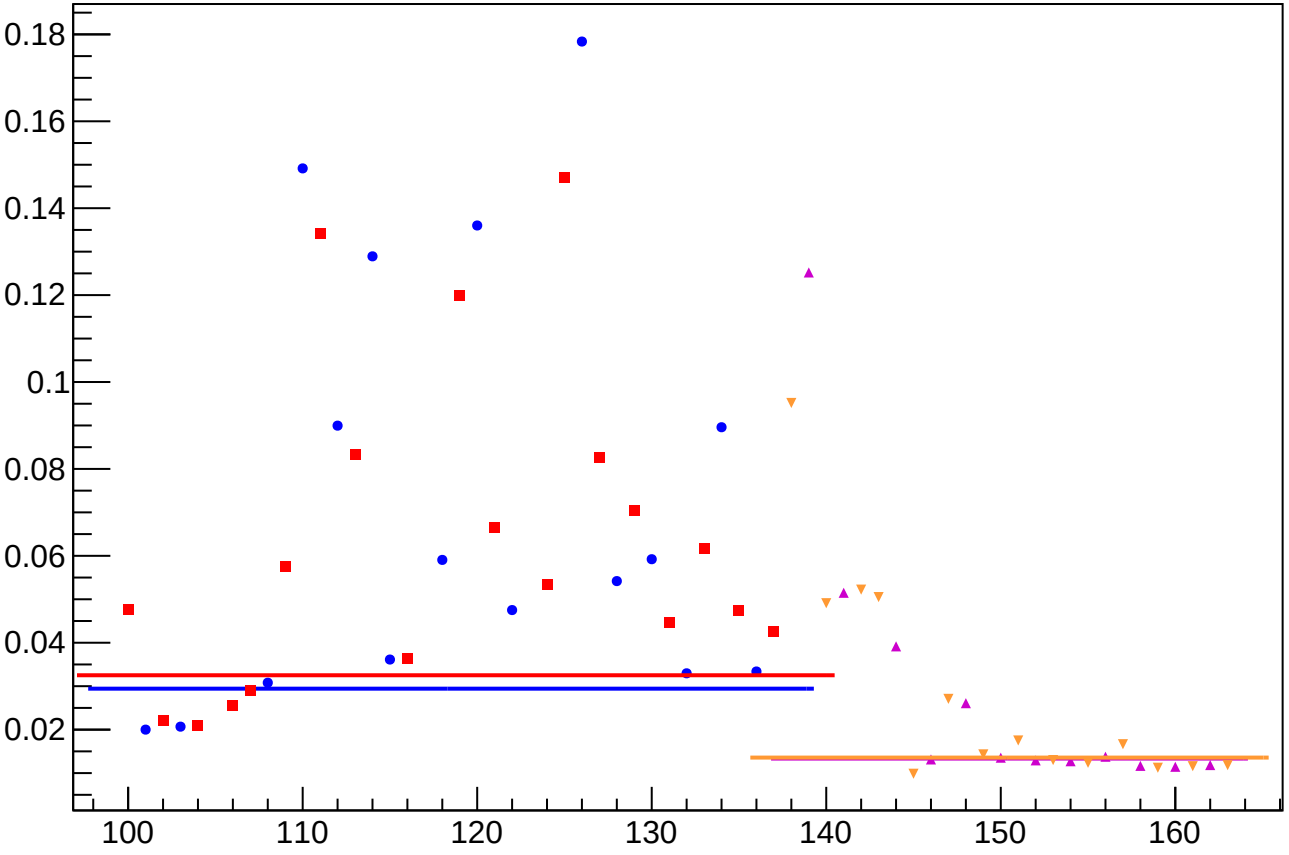
+ sign 0.018+/-0.000 χ^2/NDF: 8495354.0/29

All: 0.018+/-0.000 χ^2/NDF: 17067509.5/60

- sign 0.017+/-0.000 χ^2/NDF: 8551876.3/30


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: -0.236+/-0.000 χ²/NDF:147715001028.7/13
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 0.024+/-0.000 χ²/NDF:294623910002.1/11
+ sign -0.138+/-0.000 χ²/NDF: 163880332833.6/29
All: -0.040+/-0.000 χ²/NDF: 465060677294.6
- sign 0.056+/-0.000 χ²/NDF: 300296830032.9/30

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:3020424.8/13

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

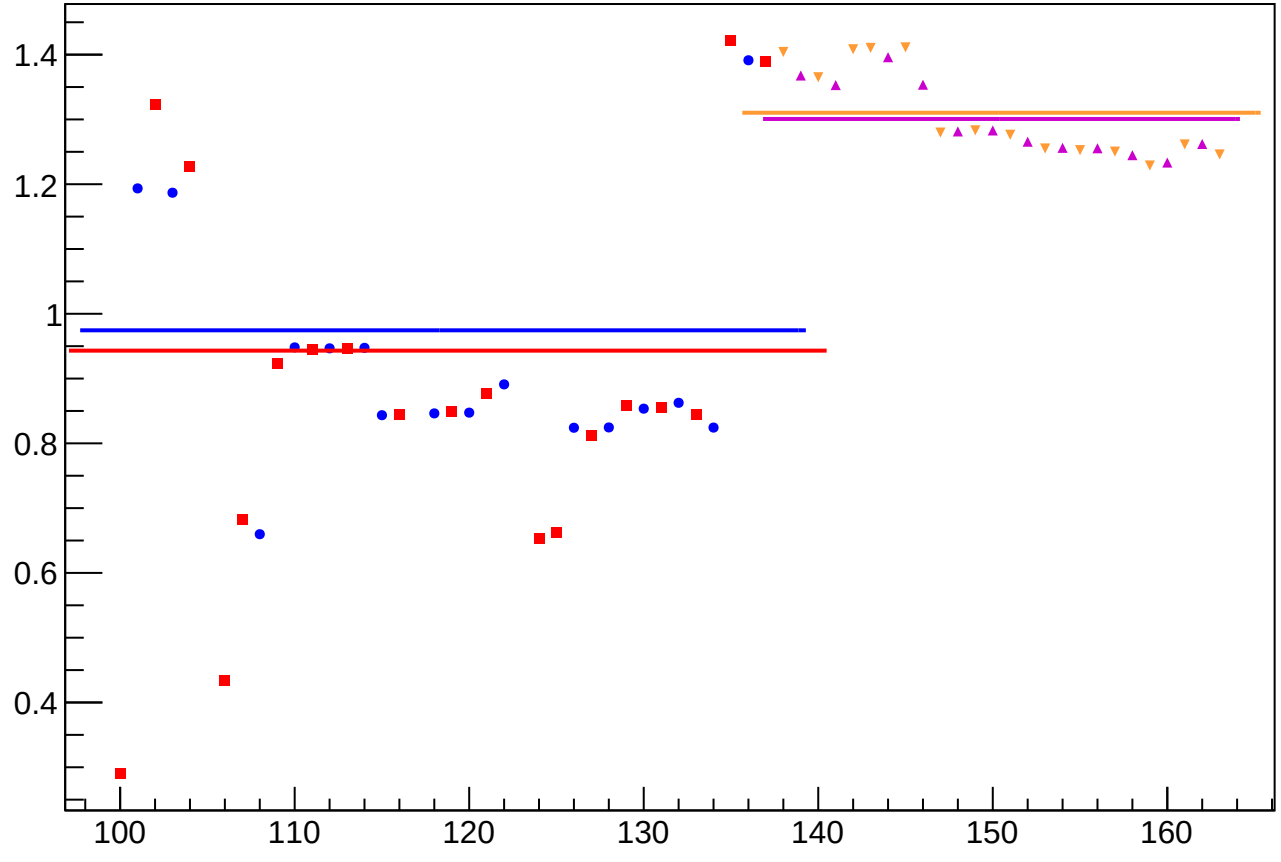
Left In: 0.013+/-0.000 χ^2/NDF:2615269.8/11

+ sign 0.015+/-0.000 χ^2/NDF: 8161731.2/29

All: 0.015+/-0.000 χ^2/NDF: 16726816.5/60

- sign 0.015+/-0.000 χ^2/NDF: 8564726.2/30

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.310+/-0.000 χ^2/NDF:251489093.0/13

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

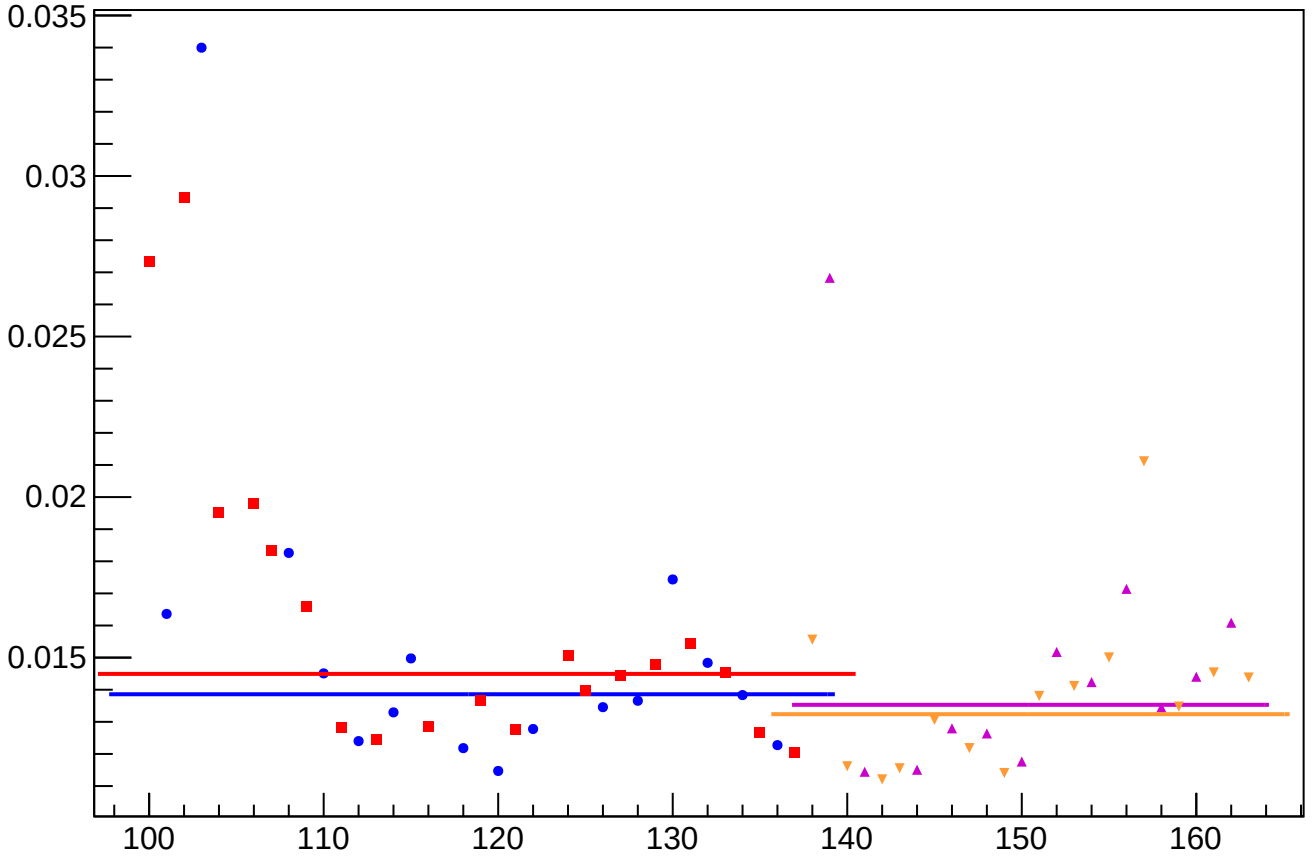
Left In: 1.301+/-0.000 χ^2/NDF:144125892.3/11

+ sign 1.185+/-0.000 χ^2/NDF: 4002340182.1/29

All: 1.175+/-0.000 χ^2/NDF: 8242925032.3/60

- sign 1.164+/-0.000 χ^2/NDF: 4220844396.6/30

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:389522.3/13

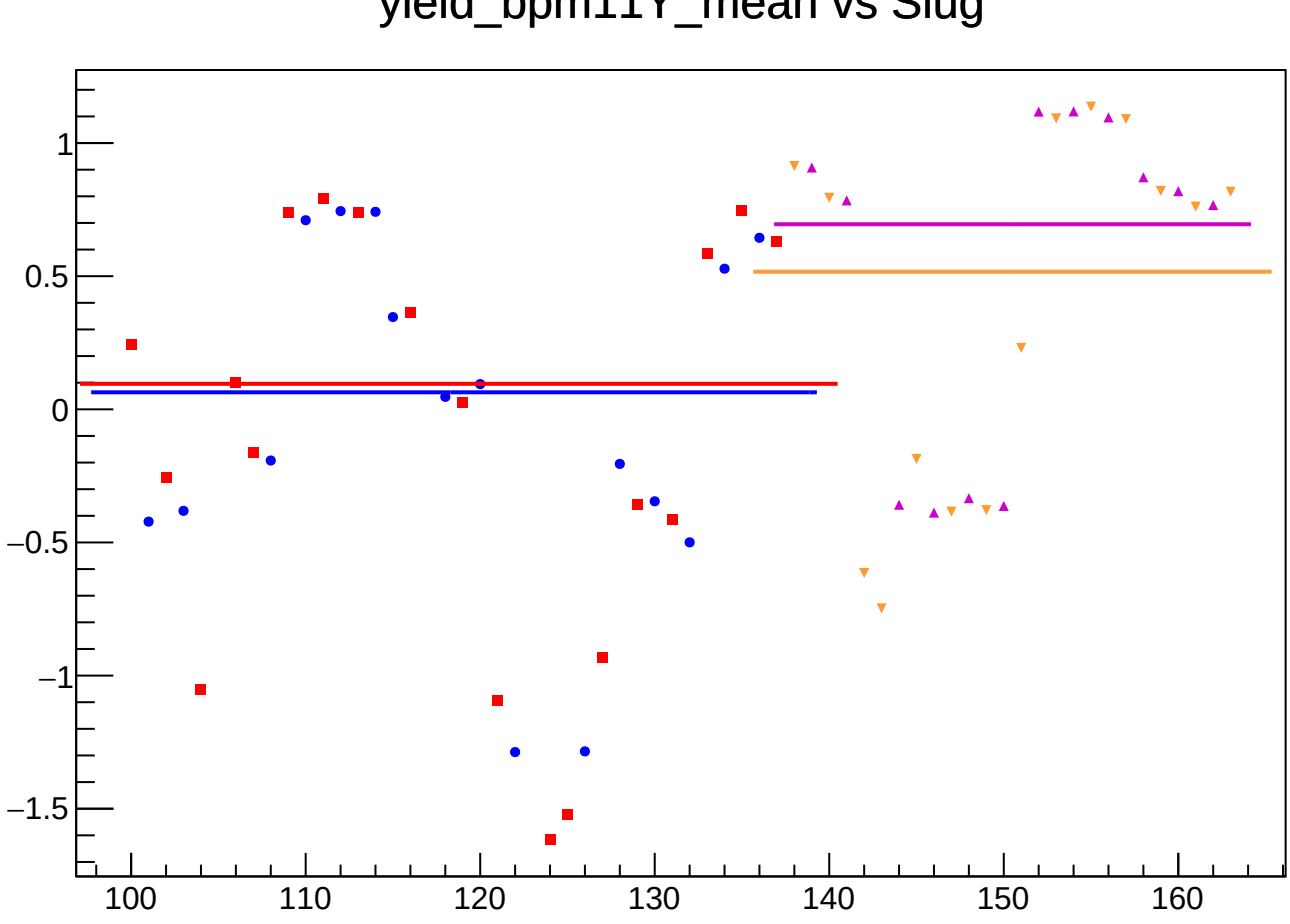
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:674507.0/11

+ sign 0.013+/-0.000 χ^2/NDF: 1005178.2/29

All: 0.014+/-0.000 χ^2/NDF: 2274313.1/60

- sign 0.014+/-0.000 χ^2/NDF: 1253763.7/30



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.517+/-0.000 χ^2/NDF:26558349886.4/13

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

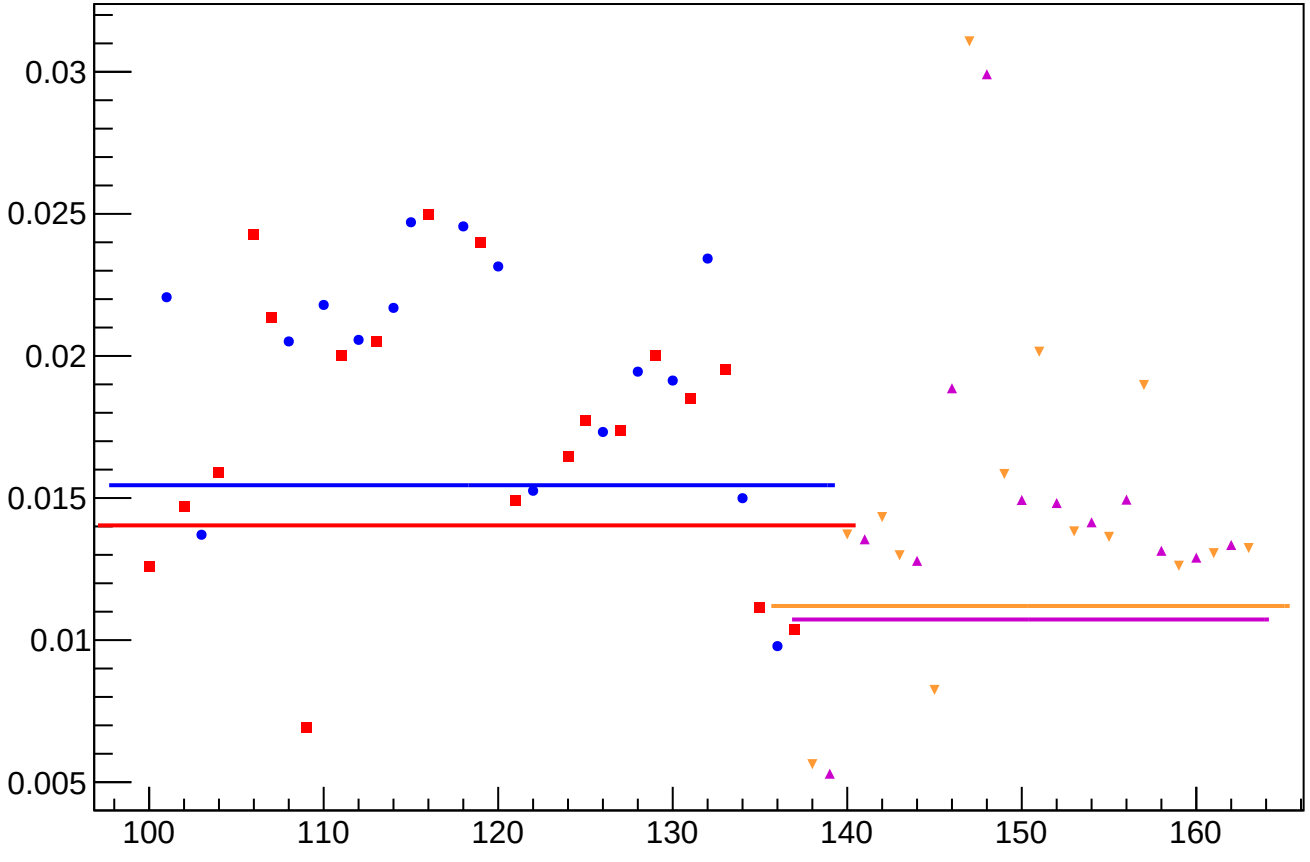
Left In: 0.695+/-0.000 χ^2/NDF:17387544108.6/11

+ sign 0.399+/-0.000 χ^2/NDF: 41407591954.9/29

All: 0.459+/-0.000 χ^2/NDF: 84821740075.3/6

- sign 0.518+/-0.000 χ^2/NDF: 42714362351.1/30

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:3041270.7/13

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

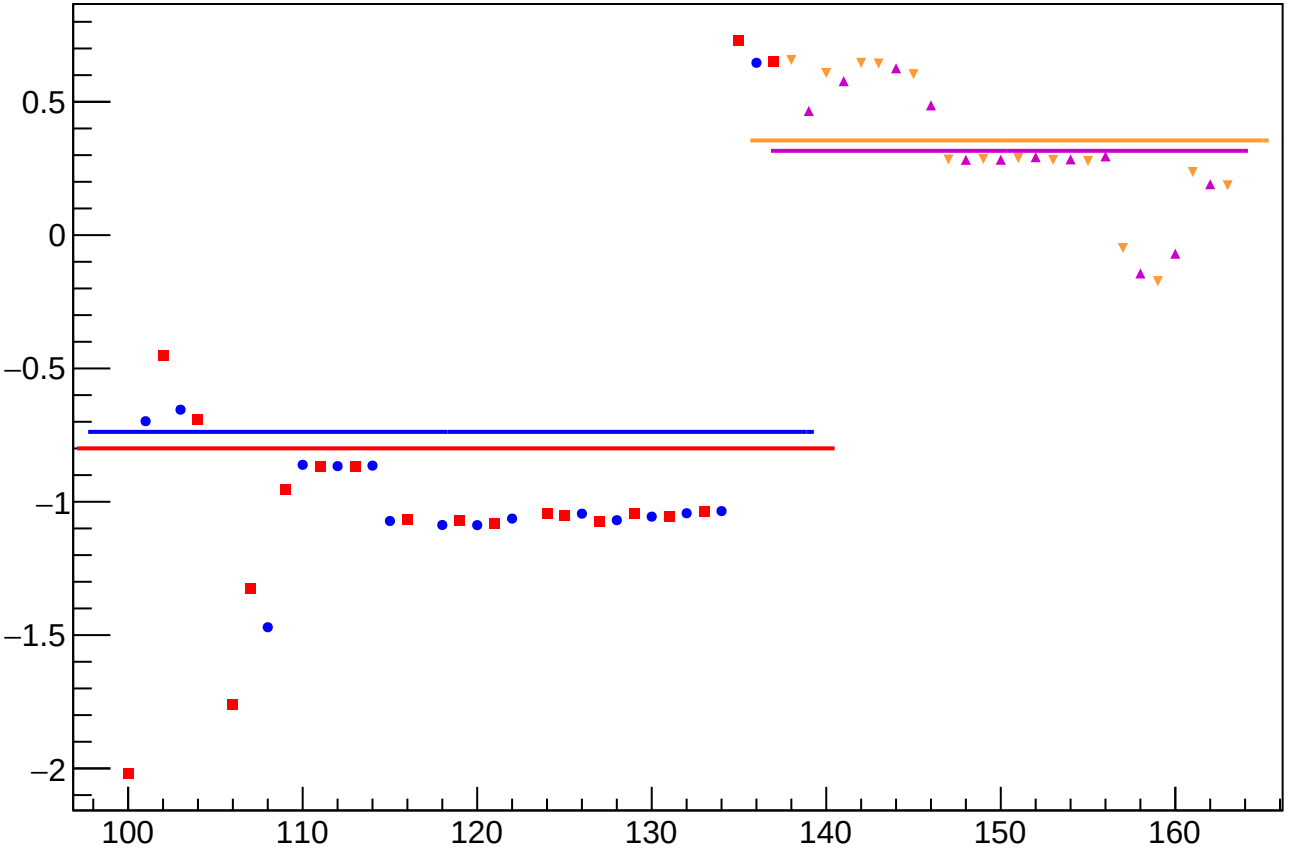
Left In: 0.011+/-0.000 χ^2/NDF:3378155.0/11

+ sign 0.012+/-0.000 χ^2/NDF: 5006792.6/29

All: 0.012+/-0.000 χ^2/NDF: 10568272.6/60

- sign 0.012+/-0.000 χ^2/NDF: 5525496.9/30

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.355+/-0.000 χ^2/NDF:478702930.4/13

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

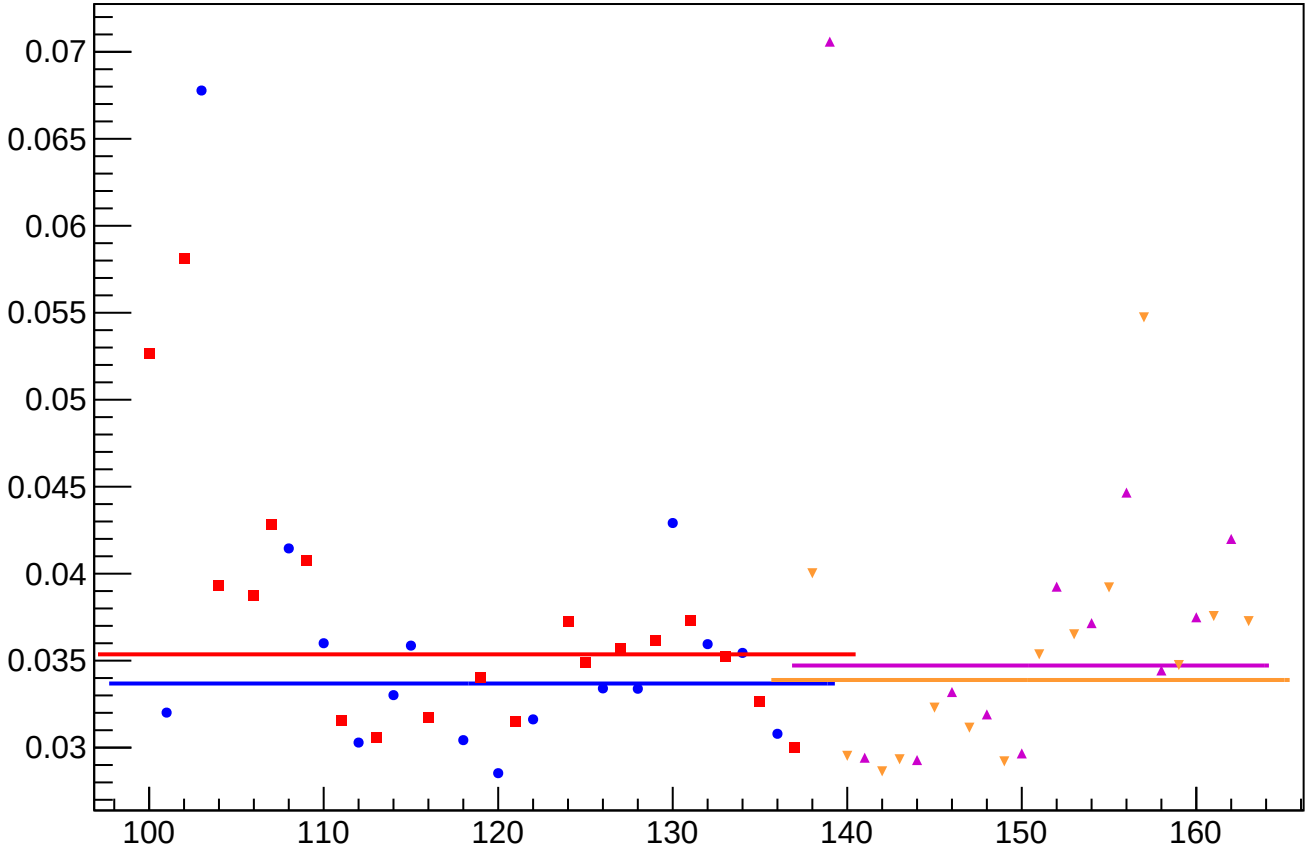
Left In: 0.316+/-0.000 χ^2/NDF:399467293.9/11

+ sign -0.084+/-0.000 χ^2/NDF: 6518952460.2/29

All: -0.112+/-0.000 χ^2/NDF: 12613828200.4/

- sign -0.143+/-0.000 χ^2/NDF: 6072034020.9/30

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:421906.5/13

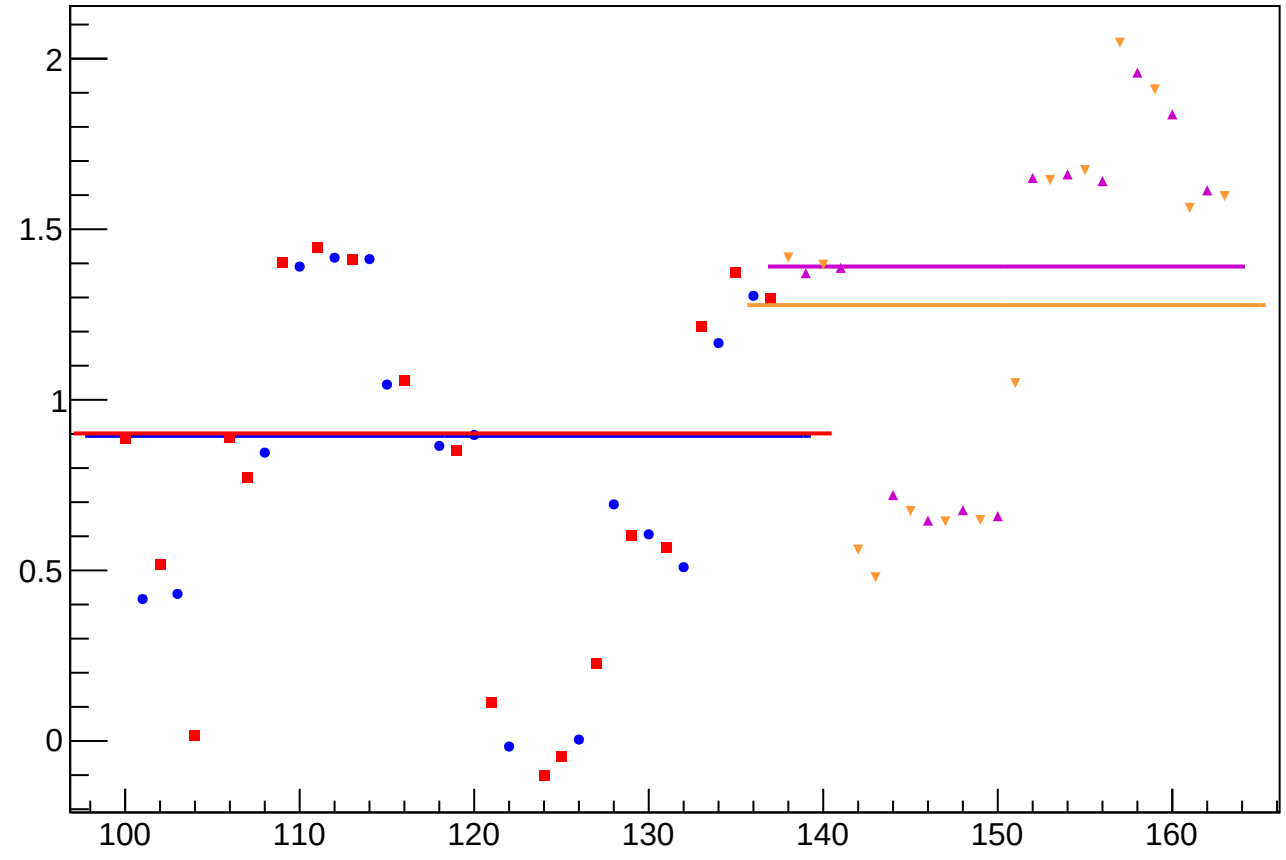
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:732292.4/11

+ sign 0.034+/-0.000 χ^2/NDF: 842406.6/29

All: 0.034+/-0.000 χ^2/NDF: 1891820.9/60

- sign 0.035+/-0.000 χ^2/NDF: 1031159.6/30



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.278+/-0.000 χ^2/NDF:30861245342.9/13

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

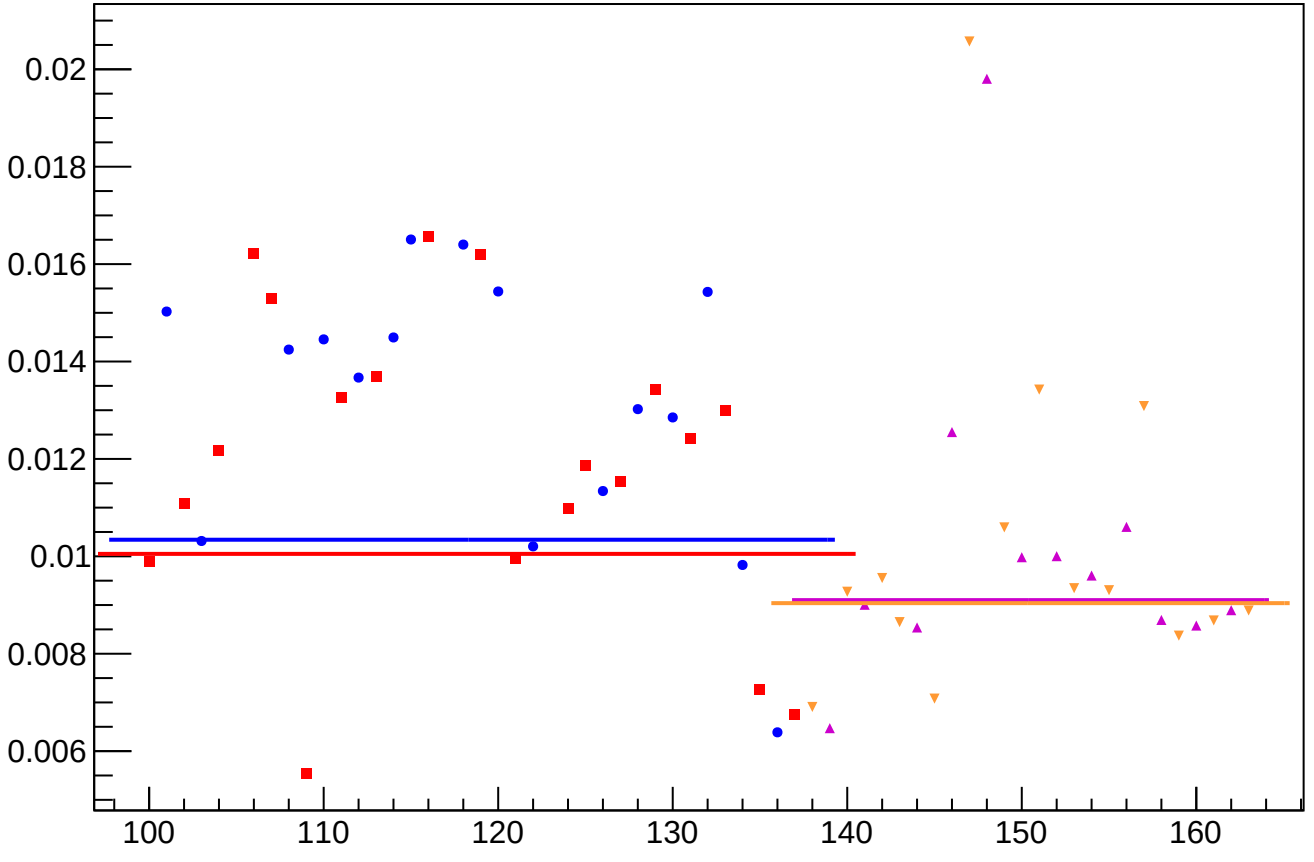
Left In: 1.391+/-0.000 χ^2/NDF:21887651546.9/11

+ sign 1.159+/-0.000 χ^2/NDF: 49262195162.1/29

All: 1.189+/-0.000 χ^2/NDF: 98818039816.4/6

- sign 1.221+/-0.000 χ^2/NDF: 49208063581.8/30

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:1123537.9/13

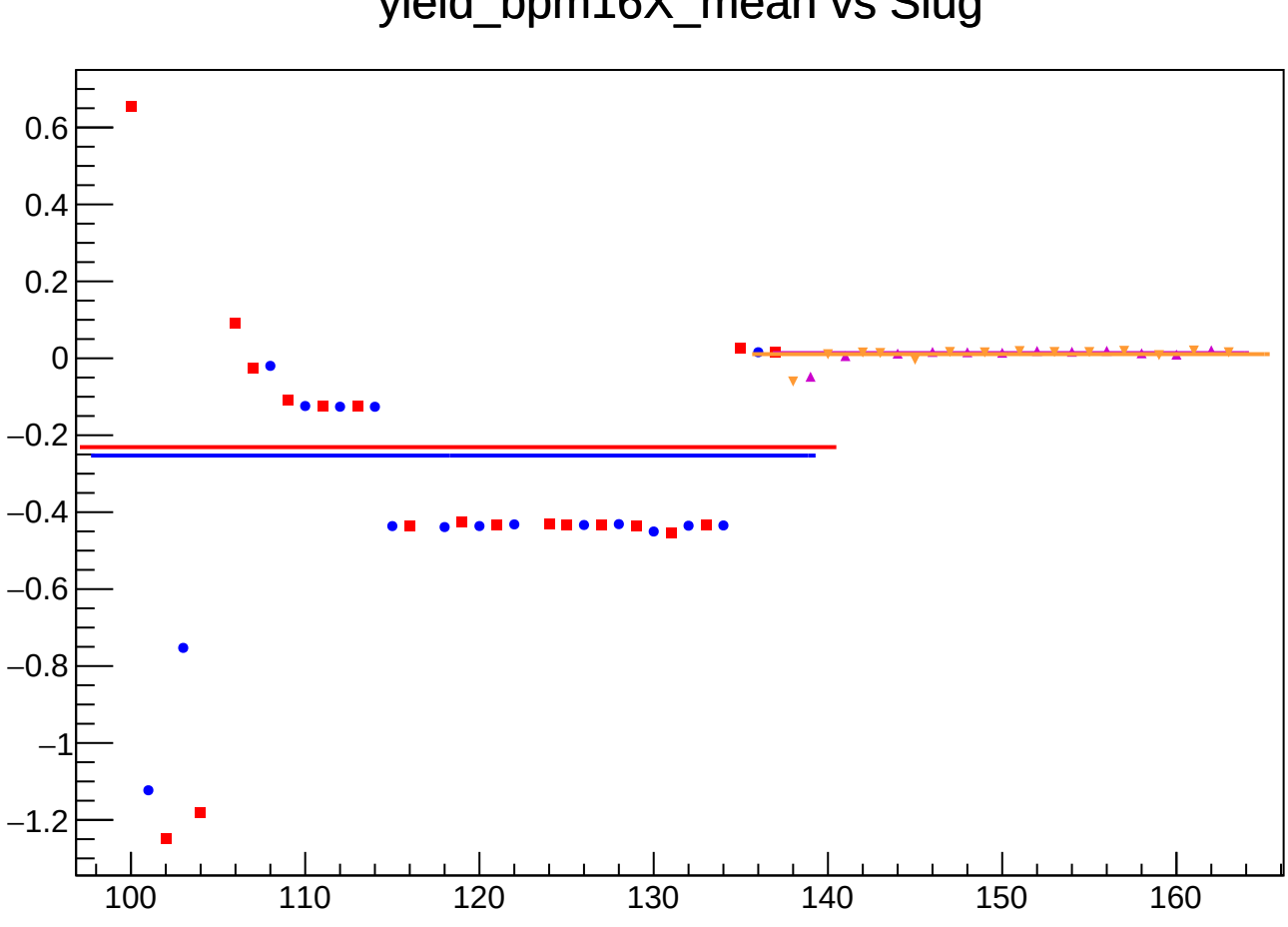
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917937.5/11

+ sign 0.009+/-0.000 χ^2/NDF: 2604336.1/29

All: 0.009+/-0.000 χ^2/NDF: 4930197.5/60

- sign 0.009+/-0.000 χ^2/NDF: 2325827.6/30



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:22839468.2/13

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

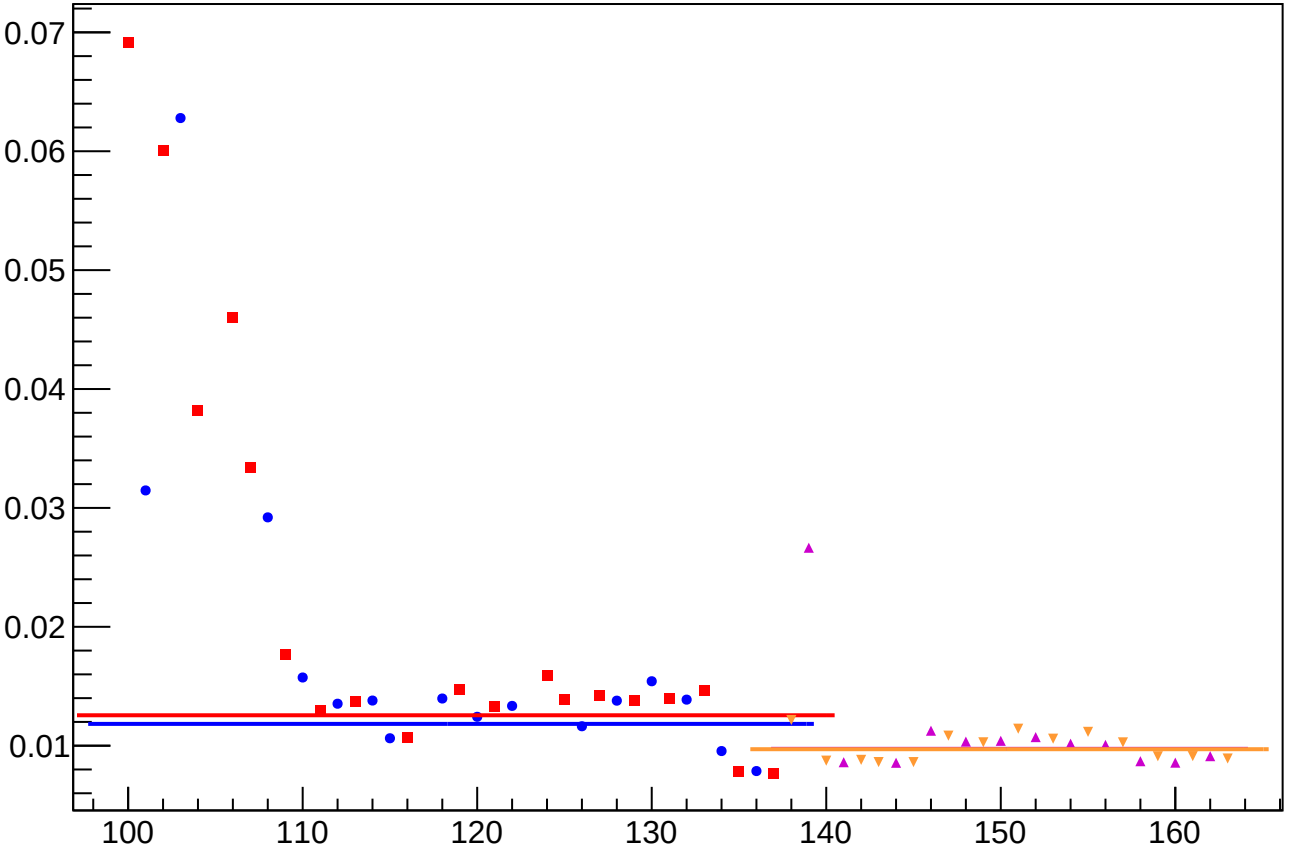
Left In: 0.014+/-0.000 χ^2/NDF:6200943.5/11

+ sign -0.060+/-0.000 χ^2/NDF: 3858125842.4/29

All: -0.055+/-0.000 χ^2/NDF: 7075683840.5/6

- sign -0.051+/-0.000 χ^2/NDF: 3212745094.9/30

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:222017.0/13

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

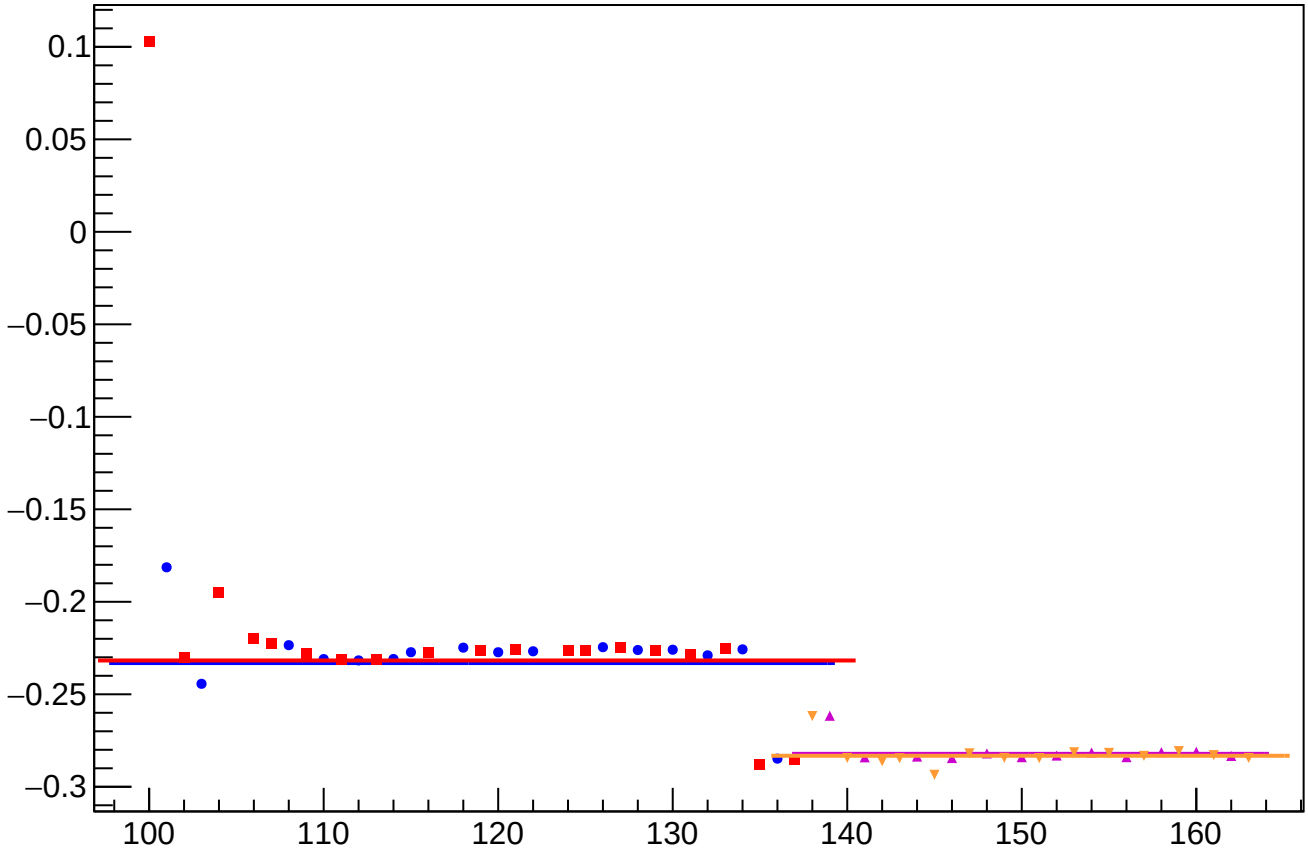
Left In: 0.010+/-0.000 χ^2/NDF:829528.0/11

+ sign 0.010+/-0.000 χ^2/NDF: 2400450.8/29

All: 0.010+/-0.000 χ^2/NDF: 5825598.9/60

- sign 0.010+/-0.000 χ^2/NDF: 3419730.3/30

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:15013555.5/13

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

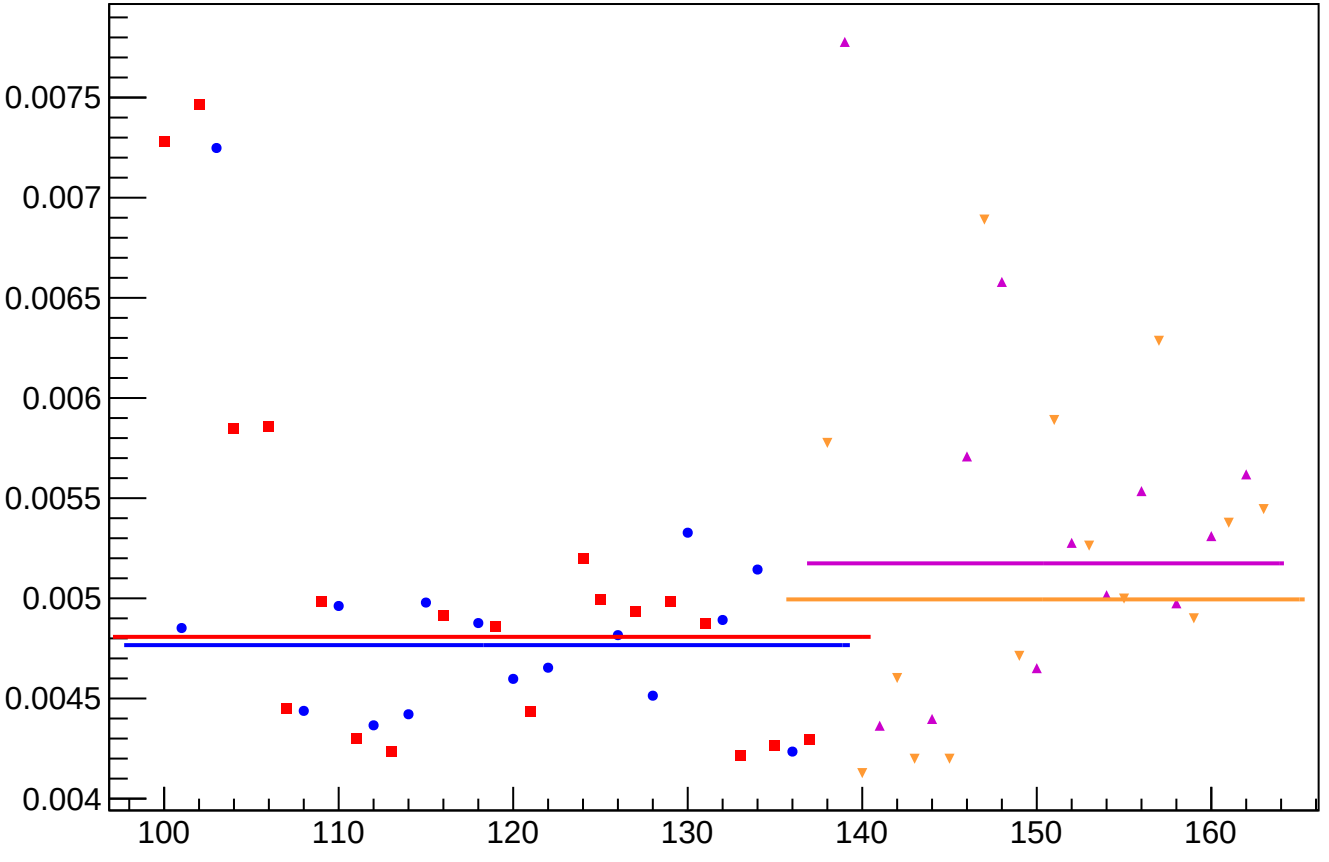
Left In: -0.282+/-0.000 χ^2/NDF:6336237.1/11

+ sign -0.263+/-0.000 χ^2/NDF: 635199999.0/29

All: -0.261+/-0.000 χ^2/NDF: 1340398085.4/6

- sign -0.260+/-0.000 χ^2/NDF: 701862673.4/30

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:450871.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

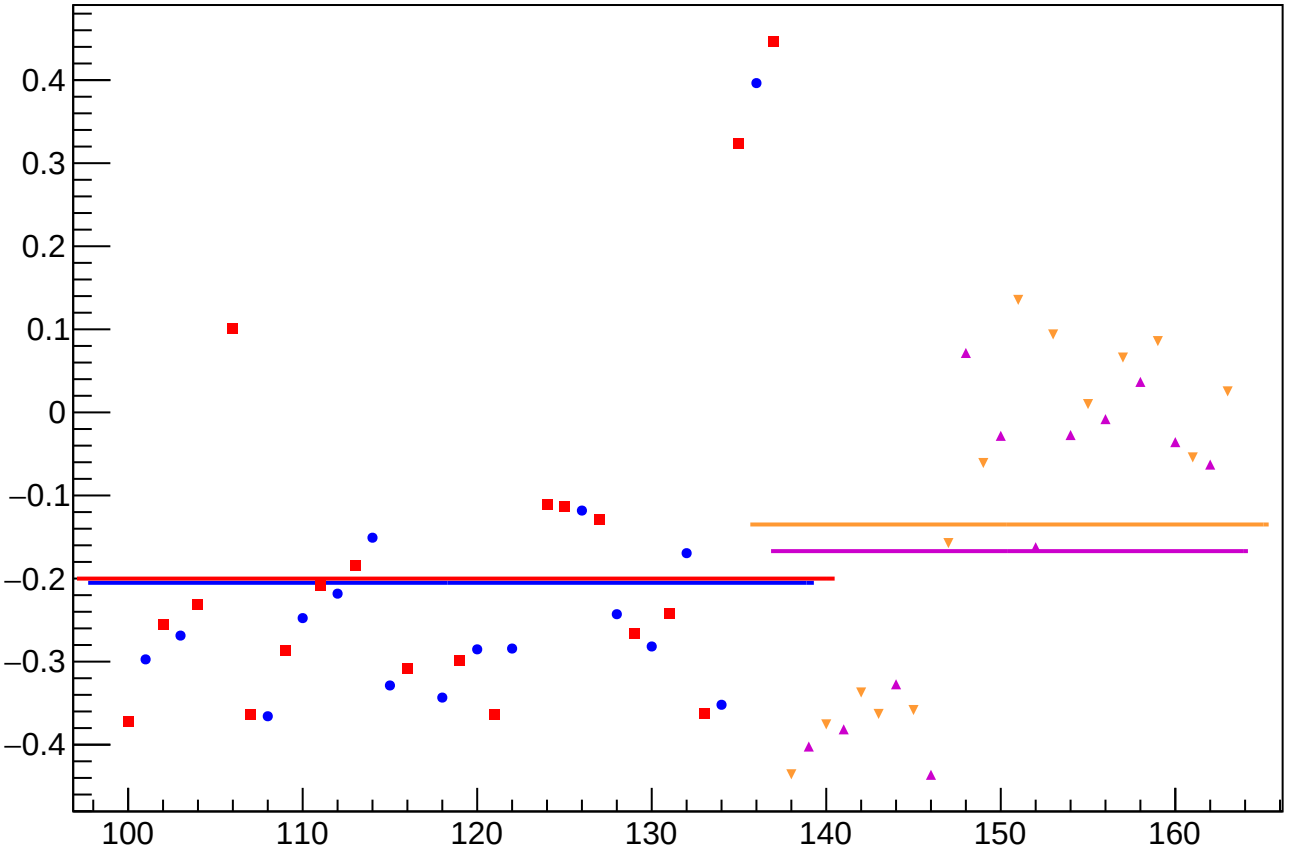
Left In: 0.005+/-0.000 χ^2/NDF:417375.4/11

+ sign 0.005+/-0.000 χ^2/NDF: 660104.4/29

All: 0.005+/-0.000 χ^2/NDF: 1422313.1/60

- sign 0.005+/-0.000 χ^2/NDF: 754261.7/30

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.135+/-0.000 χ^2/NDF:14356407743.9/13

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

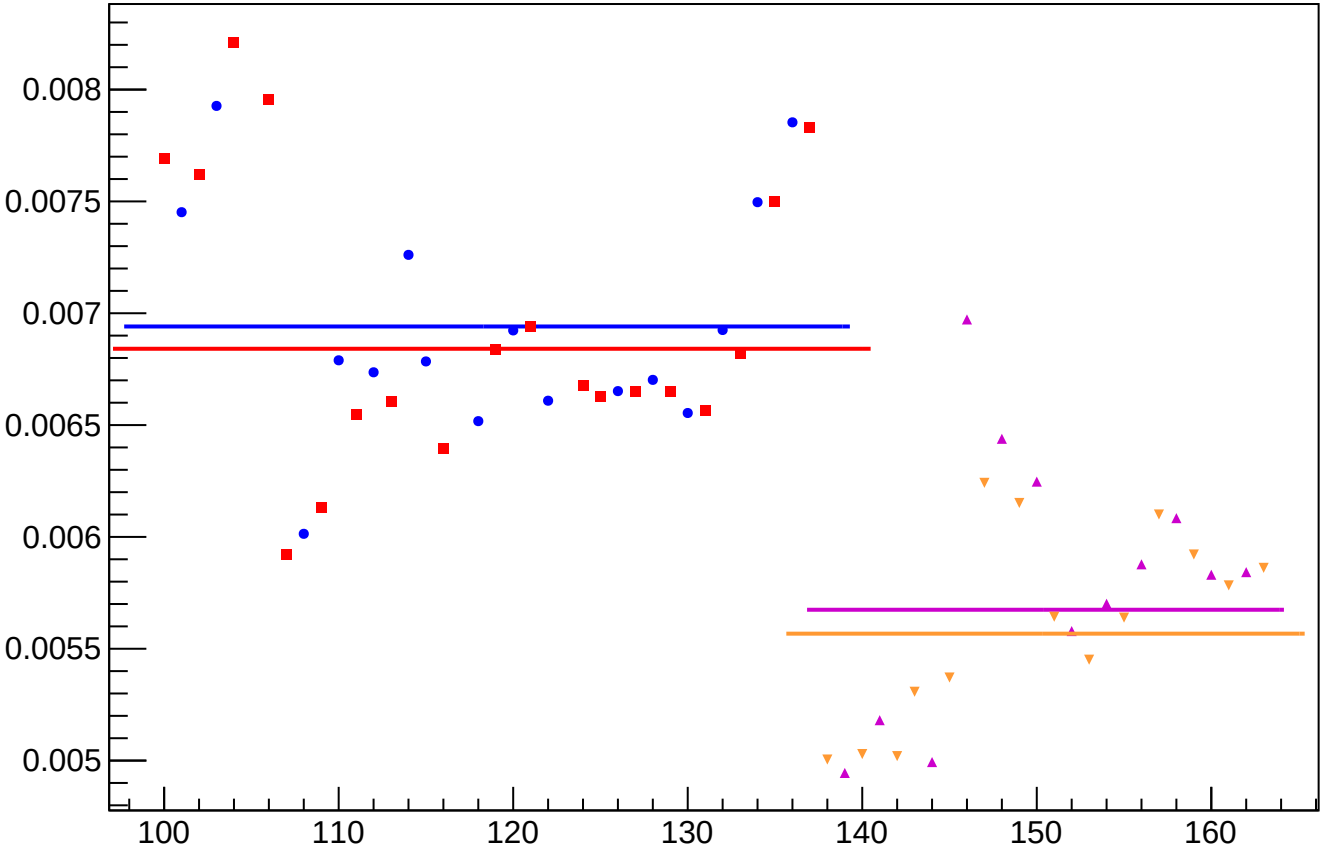
Left In: -0.167+/-0.000 χ^2/NDF:9283673767.2/11

+ sign -0.156+/-0.000 χ^2/NDF: 21046570787.8/29

All: -0.167+/-0.000 χ^2/NDF: 35804094541.4/

- sign -0.178+/-0.000 χ^2/NDF: 14644219789.7/30

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:108353.9/13

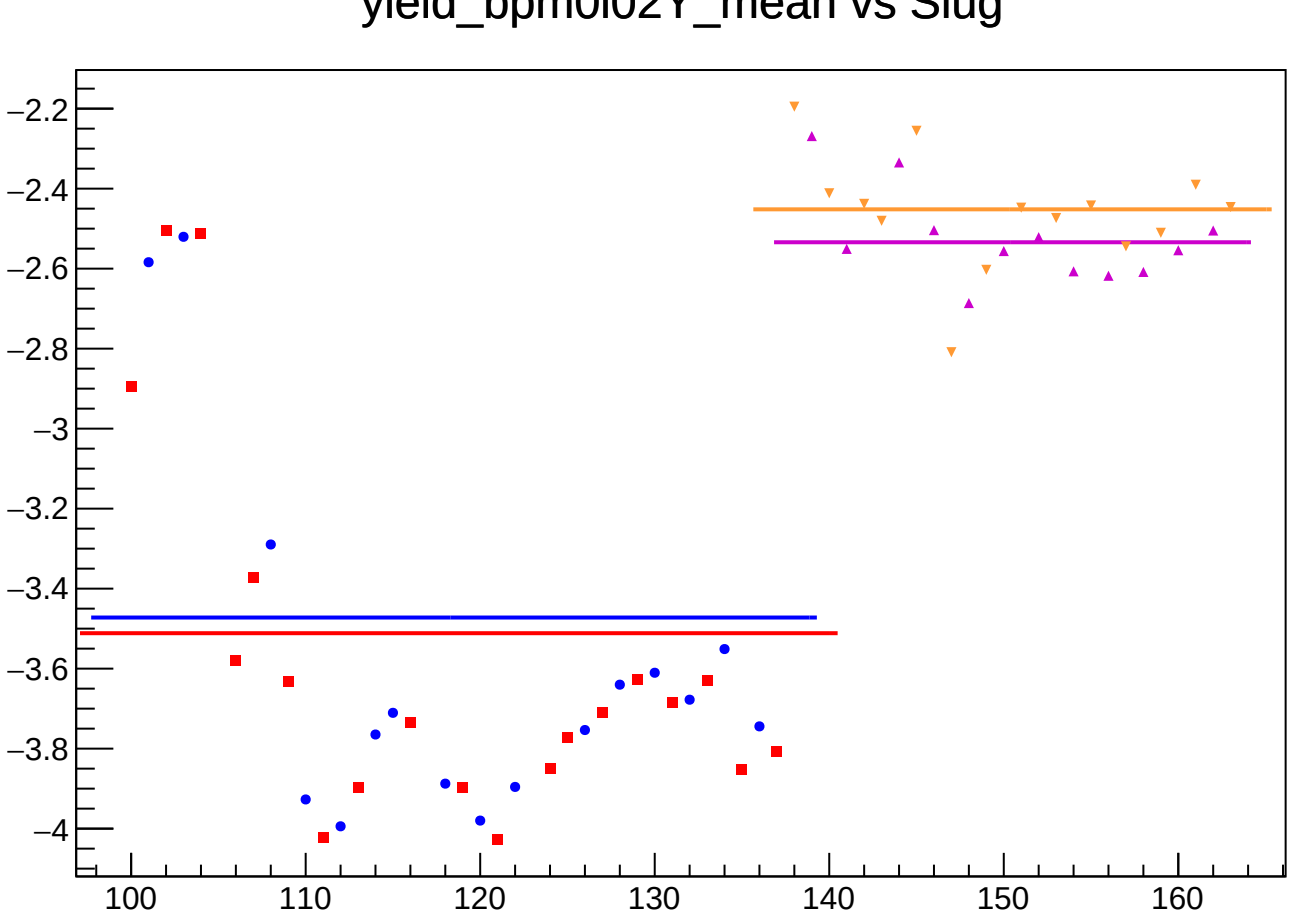
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:178352.6/11

+ sign 0.006+/-0.000 χ^2/NDF: 576977.7/29

All: 0.006+/-0.000 χ^2/NDF: 1134366.3/60

- sign 0.006+/-0.000 χ^2/NDF: 553558.1/30



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1623131223.9/13

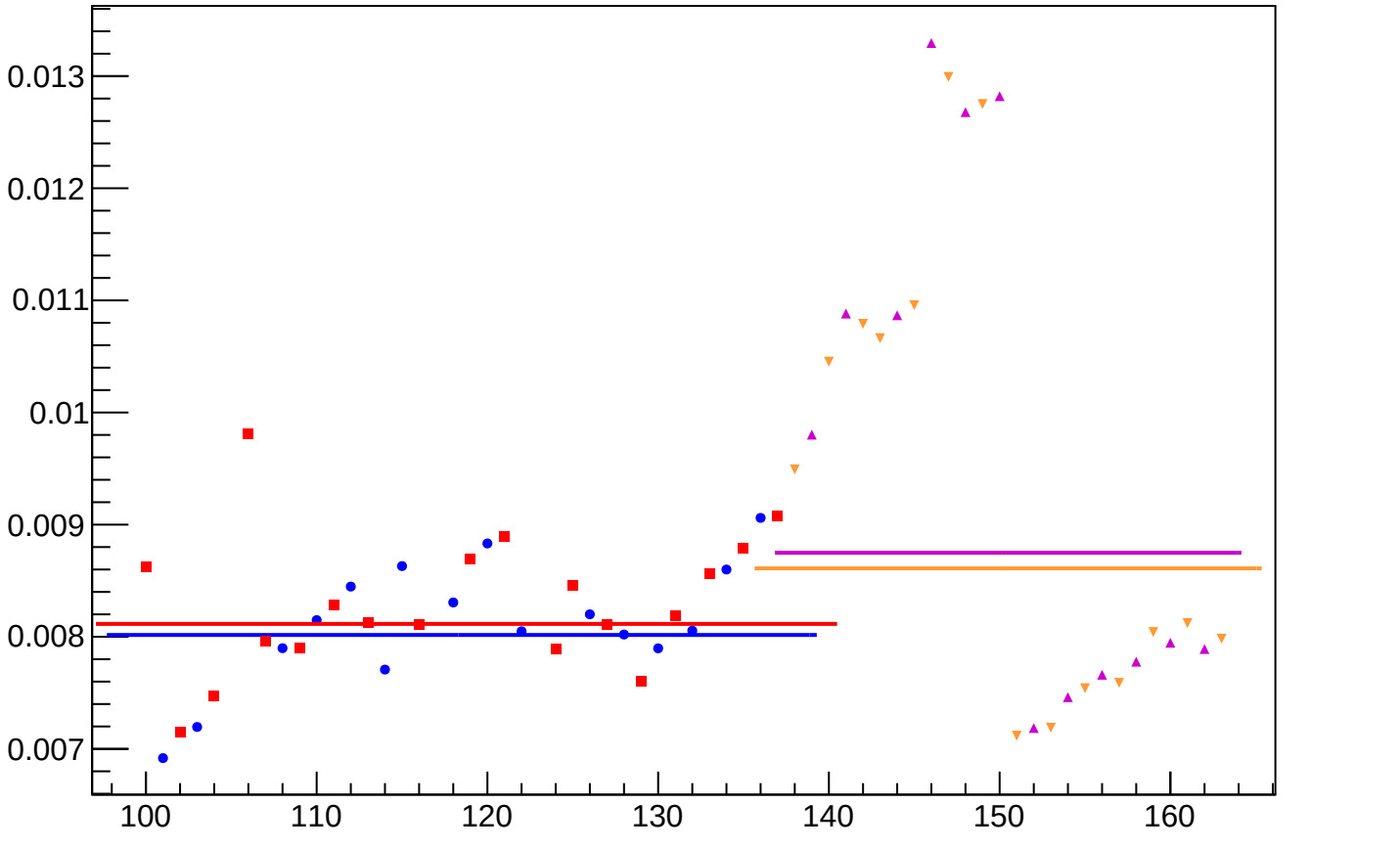
Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.534+/-0.000 χ^2/NDF:1289169066.8/11

+ sign -2.905+/-0.000 χ^2/NDF: 94187937467.1/29

All: -2.948+/-0.000 χ^2/NDF: 180719459385.1

- sign -2.995+/-0.000 χ^2/NDF: 85573596225.4/30



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:734414.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

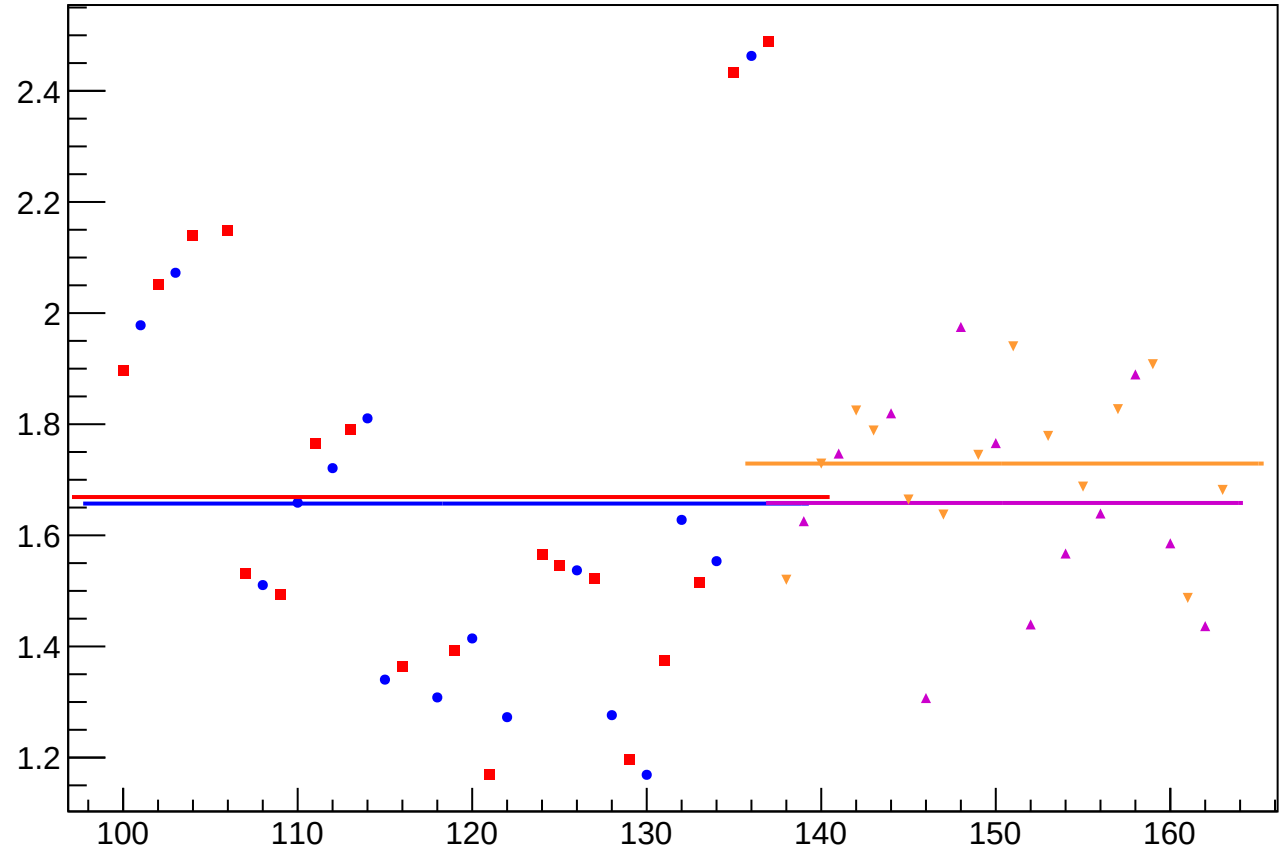
Left In: 0.009+/-0.000 χ^2/NDF:826856.3/11

+ sign 0.008+/-0.000 χ^2/NDF: 863299.6/29

All: 0.008+/-0.000 χ^2/NDF: 1809740.5/60

- sign 0.008+/-0.000 χ^2/NDF: 943893.9/30

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.729+/-0.000 χ^2/NDF:1283254304.0/13

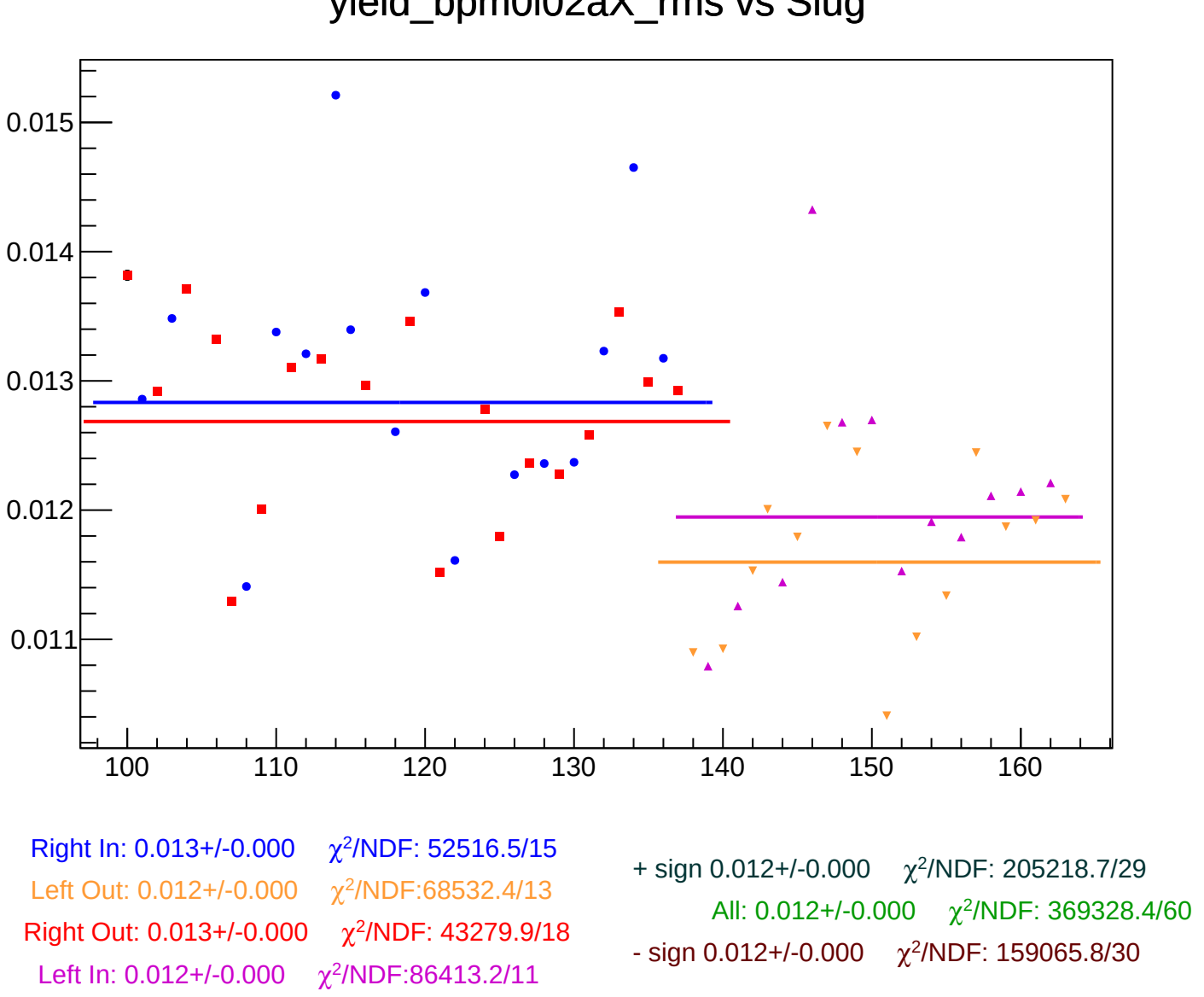
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

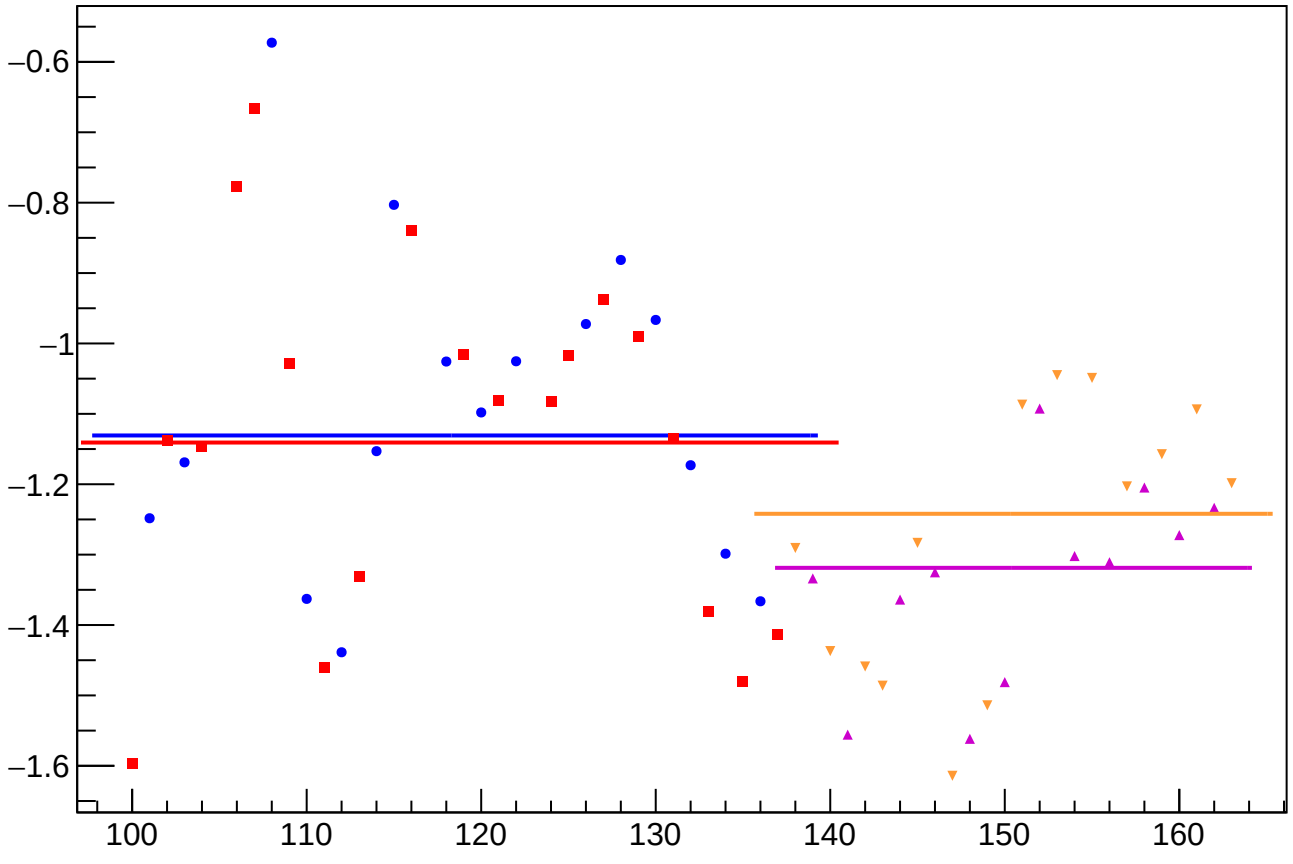
Left In: 1.658+/-0.000 χ^2/NDF:2134417988.6/11

+ sign 1.704+/-0.000 χ^2/NDF: 8092357496.5/29

All: 1.684+/-0.000 χ^2/NDF: 16686099814.8/6

- sign 1.663+/-0.000 χ^2/NDF: 8495059451.3/30


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
100
110
120
130
140
150
160
Right In: 0.013+/-0.000 χ²/NDF: 52516.5/15
Left Out: 0.012+/-0.000 χ²/NDF:68532.4/13
Right Out: 0.013+/-0.000 χ²/NDF: 43279.9/18
Left In: 0.012+/-0.000 χ²/NDF:86413.2/11
+ sign 0.012+/-0.000 χ²/NDF: 205218.7/29
All: 0.012+/-0.000 χ²/NDF: 369328.4/60
- sign 0.012+/-0.000 χ²/NDF: 159065.8/30



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.242+/-0.000 χ^2/NDF:4374269755.3/13

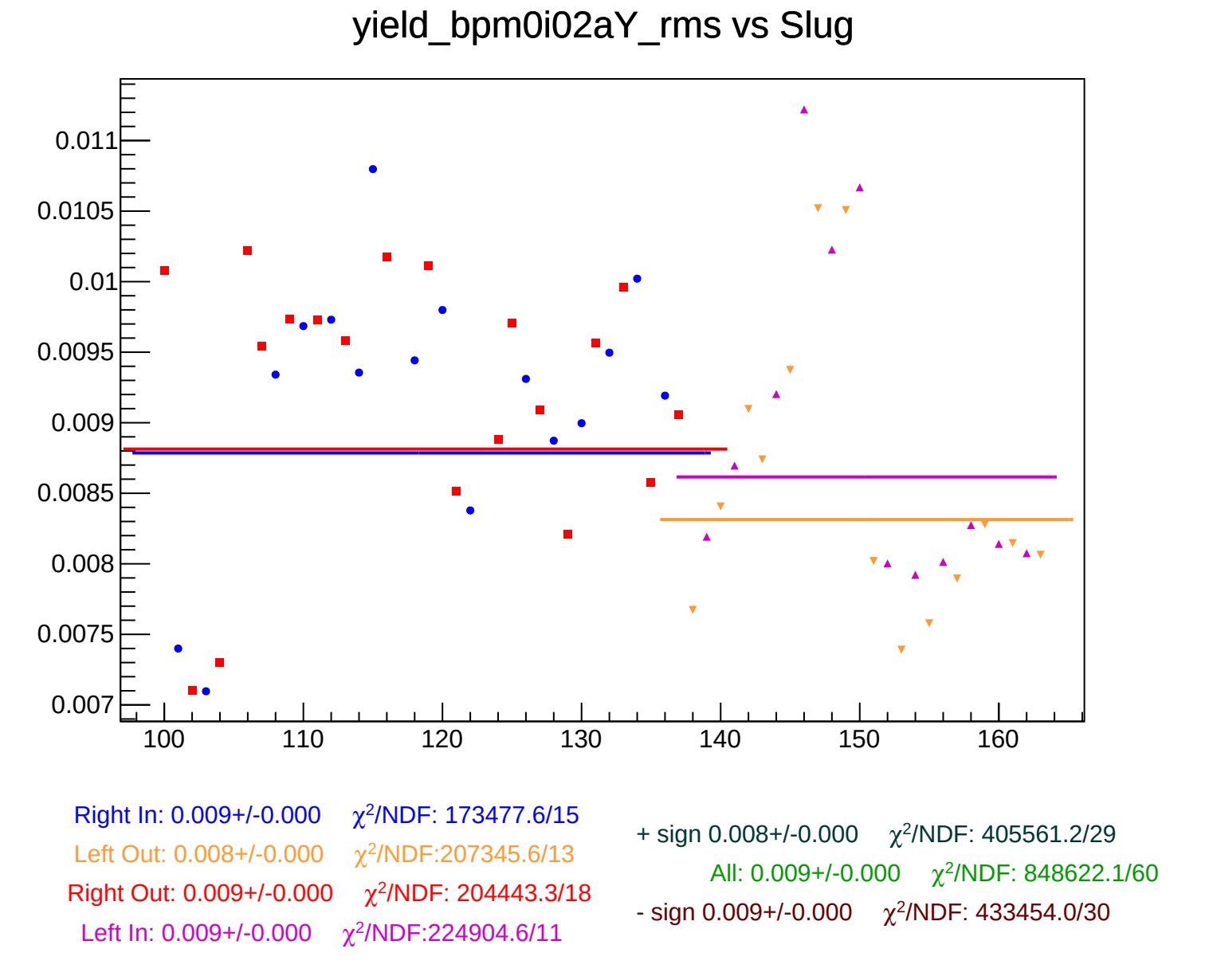
Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

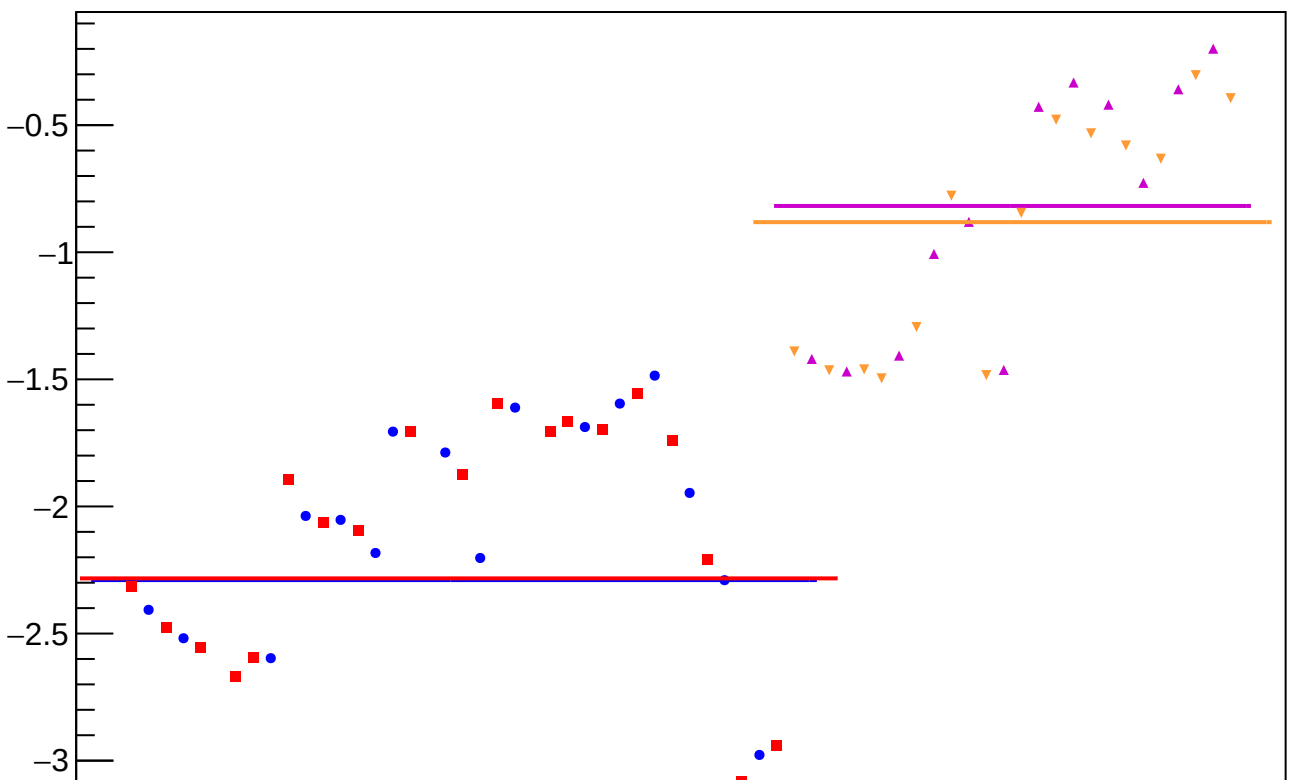
Left In: -1.319+/-0.000 χ^2/NDF:2144113454.7/11

+ sign -1.200+/-0.000 χ^2/NDF: 8850449825.6/29

All: -1.222+/-0.000 χ^2/NDF: 16434110536.1/

- sign -1.245+/-0.000 χ^2/NDF: 7352537635.0/30


yield_bpm0i02aY_rms vs Slug
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 173477.6/15
Left Out: 0.008+/-0.000 χ²/NDF:207345.6/13
Right Out: 0.009+/-0.000 χ²/NDF: 204443.3/18
Left In: 0.009+/-0.000 χ²/NDF:224904.6/11
+ sign 0.008+/-0.000 χ²/NDF: 405561.2/29
All: 0.009+/-0.000 χ²/NDF: 848622.1/60
- sign 0.009+/-0.000 χ²/NDF: 433454.0/30



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.882+/-0.000 χ^2/NDF:27970645872.1/13

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

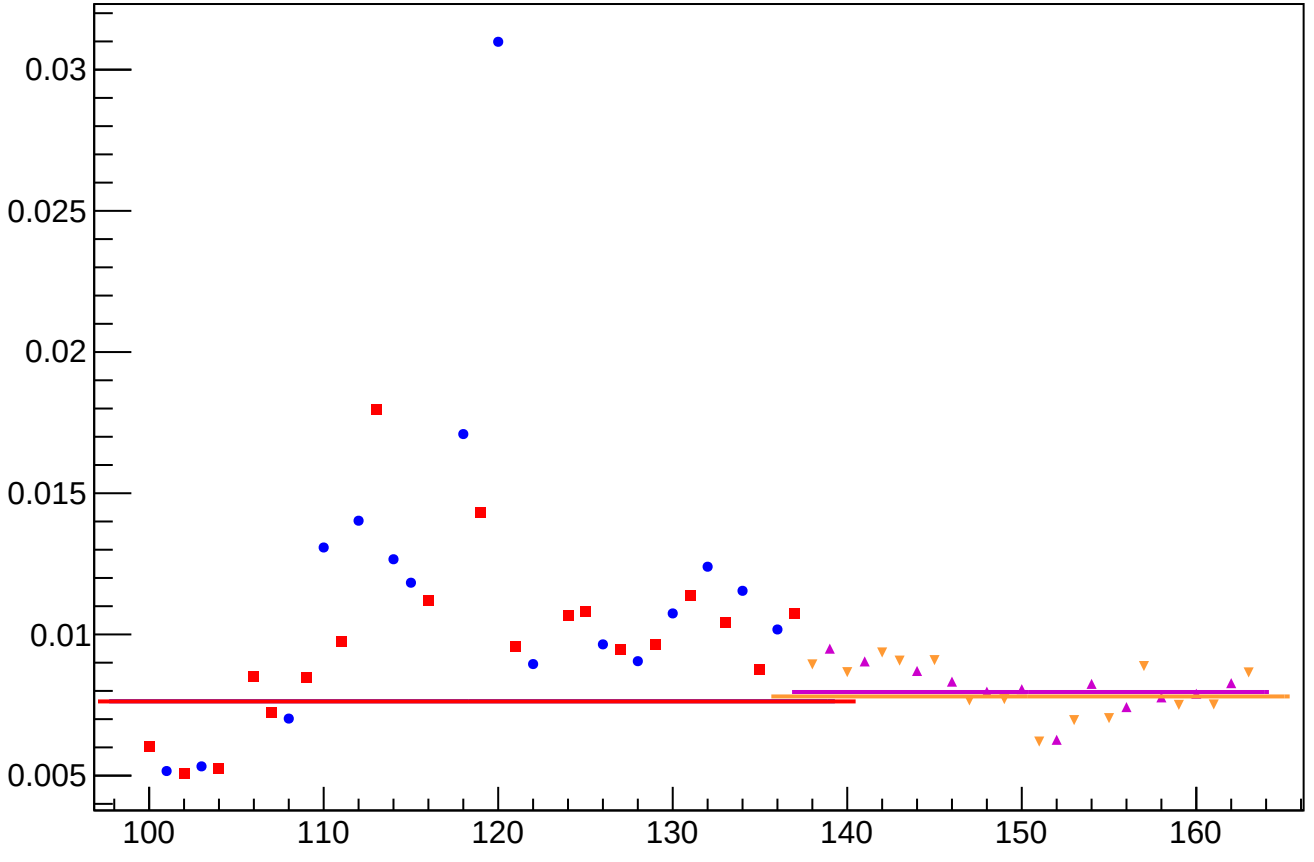
Left In: -0.818+/-0.000 χ^2/NDF:29618099110.9/11

+ sign -1.392+/-0.000 χ^2/NDF: 153533089474.7/29

All: -1.403+/-0.000 χ^2/NDF: 321326026230.6

- sign -1.416+/-0.000 χ^2/NDF: 167724817199.7/30

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:283093.4/13

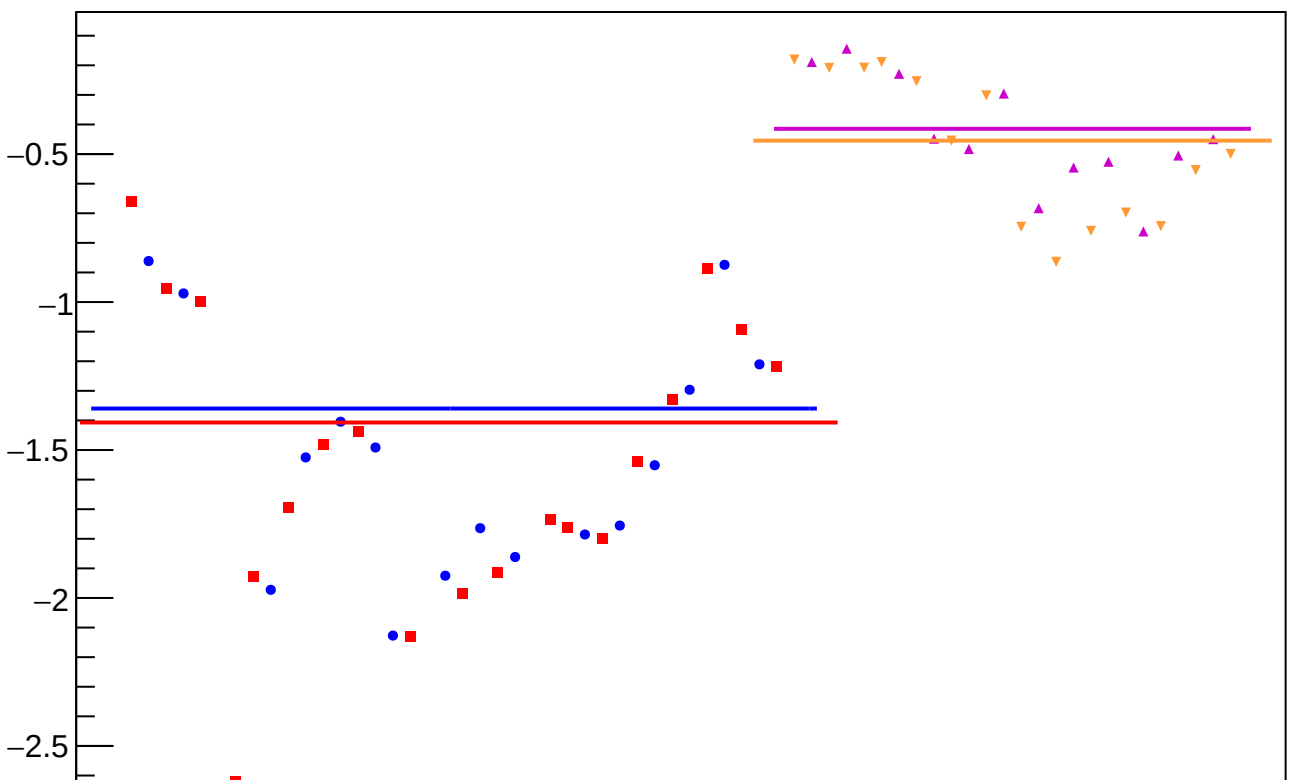
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:202826.3/11

+ sign 0.008+/-0.000 χ^2/NDF: 1997153.3/29

All: 0.008+/-0.000 χ^2/NDF: 3531976.9/60

- sign 0.008+/-0.000 χ^2/NDF: 1533172.2/30



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.454+/-0.000 χ^2/NDF:27889856550.6/13

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

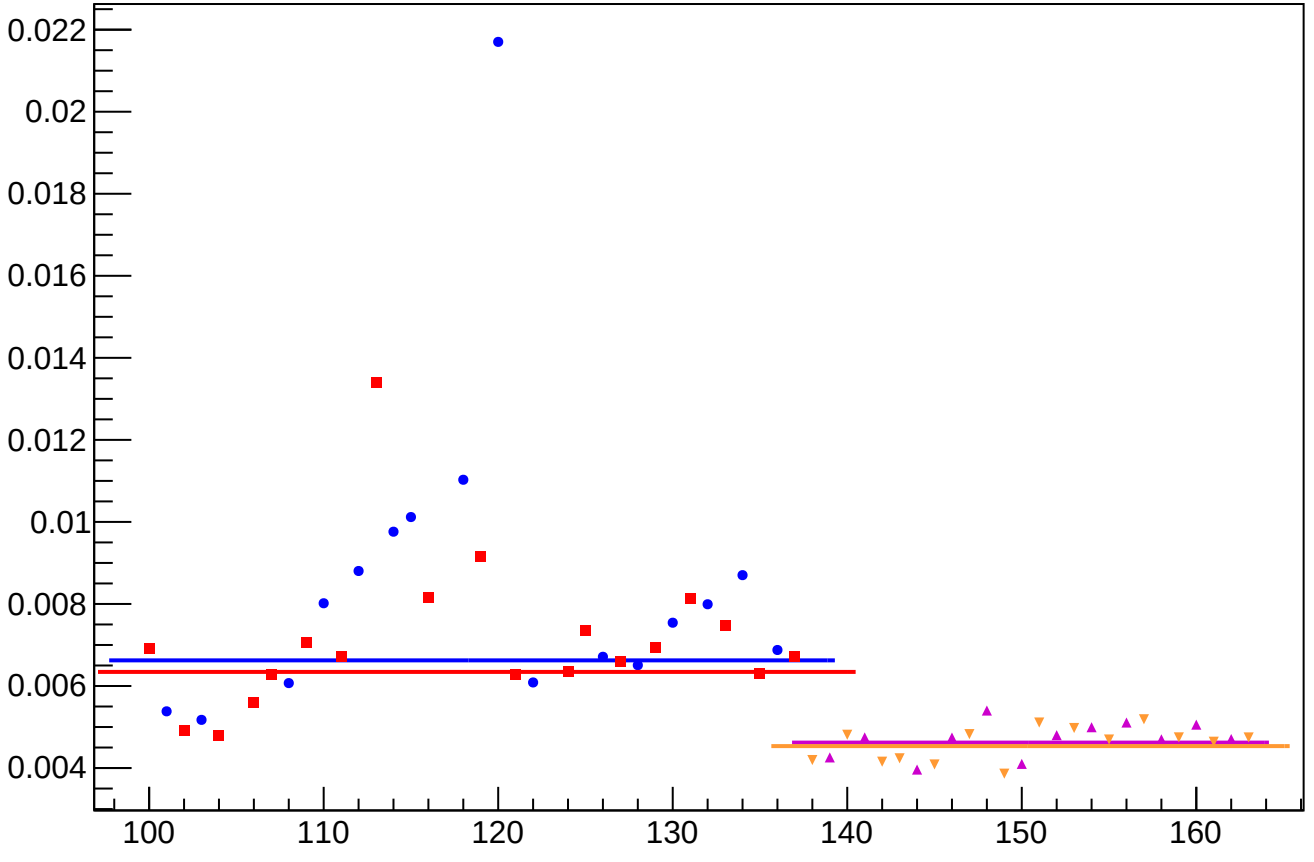
Left In: -0.415+/-0.000 χ^2/NDF:15484779841.5/11

+ sign -0.649+/-0.000 χ^2/NDF: 134279264496.7/29

All: -0.662+/-0.000 χ^2/NDF: 290274549843.8

- sign -0.675+/-0.000 χ^2/NDF: 155792533238.8/30

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:154847.5/13

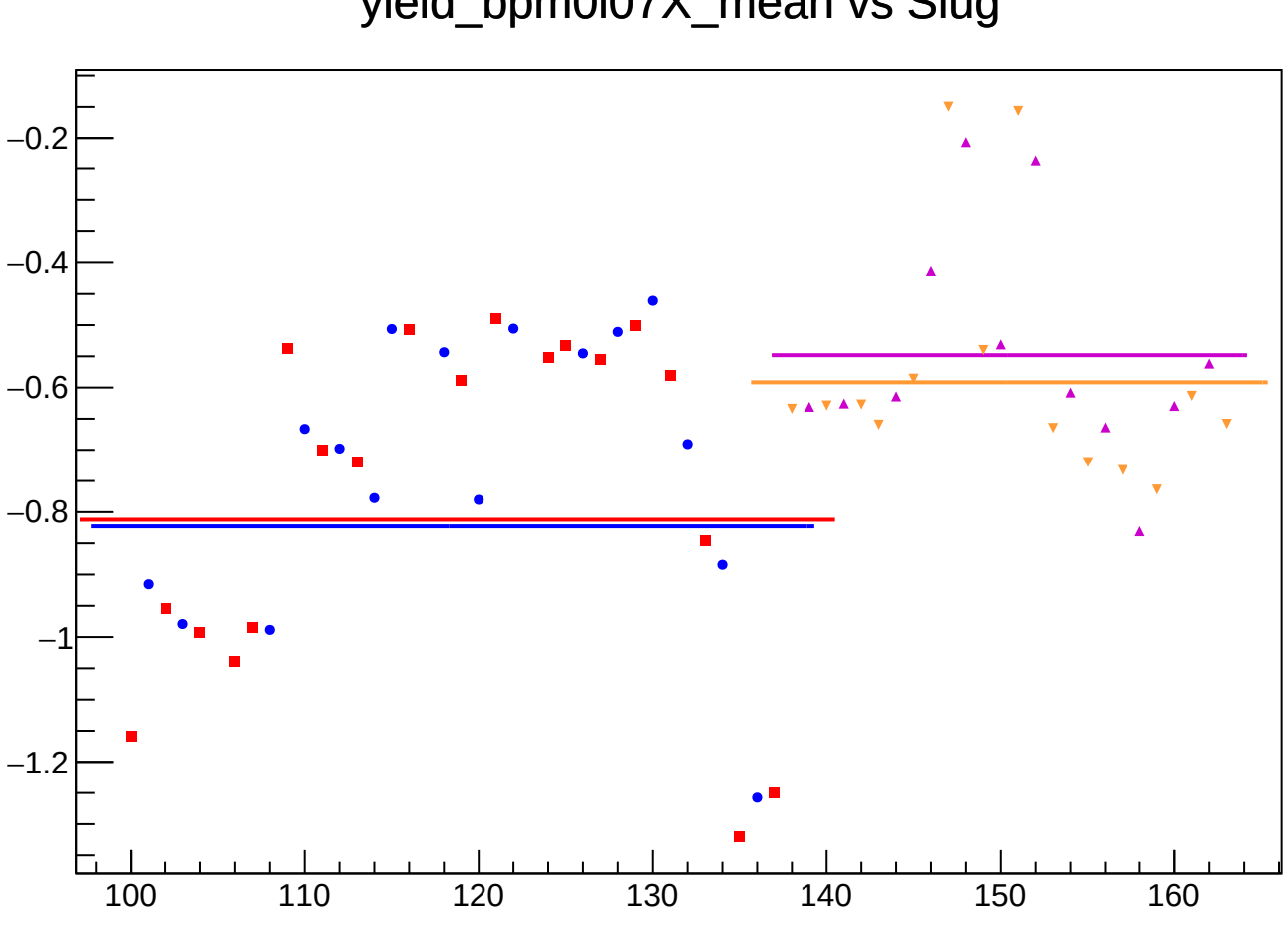
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:147837.8/11

+ sign 0.005+/-0.000 χ^2/NDF: 1753582.6/29

All: 0.005+/-0.000 χ^2/NDF: 3101527.5/60

- sign 0.005+/-0.000 χ^2/NDF: 1343257.7/30



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.592+/-0.000 χ^2/NDF:14202632122.1/13

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

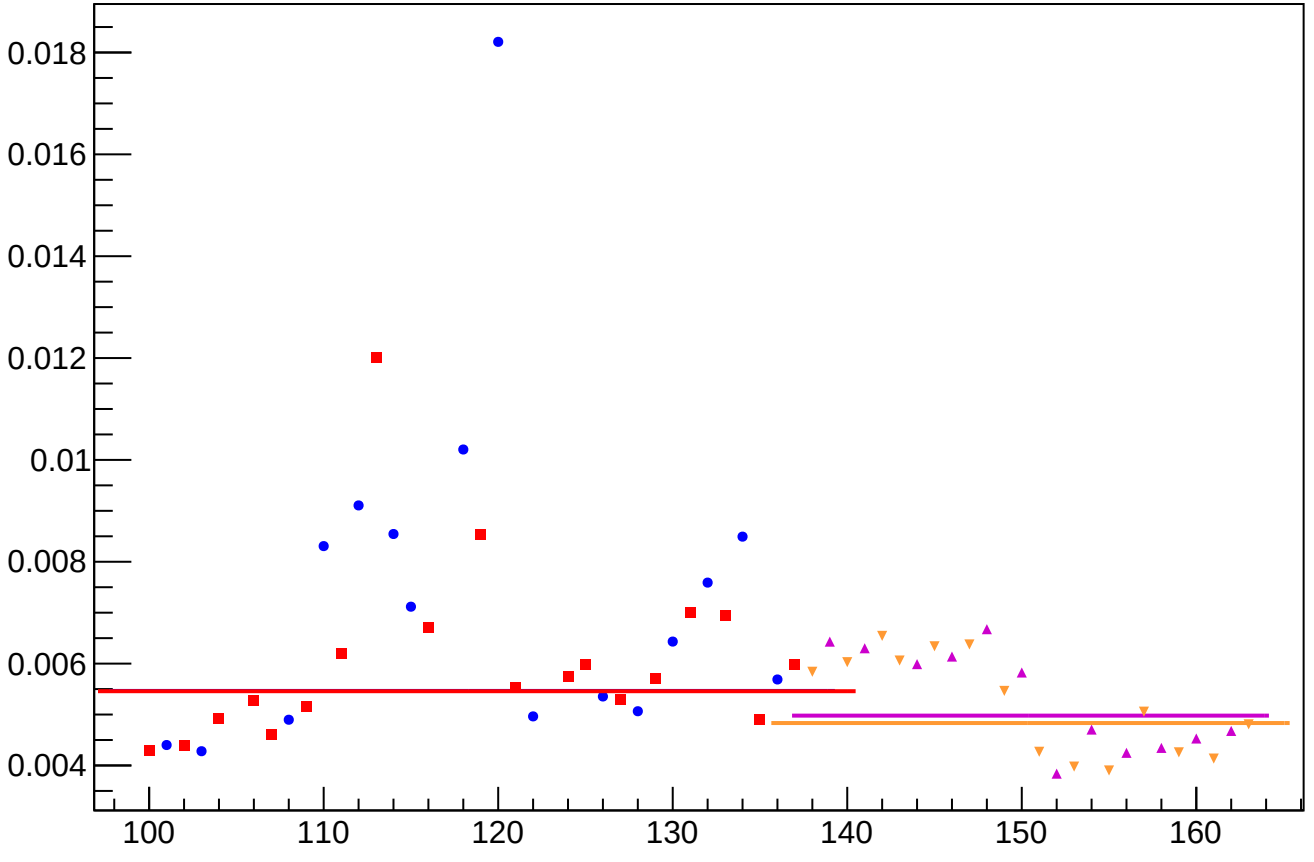
Left In: -0.548+/-0.000 χ^2/NDF:12047246312.7/11

+ sign -0.665+/-0.000 χ^2/NDF: 33176950614.7/29

All: -0.655+/-0.000 χ^2/NDF: 69108520629.5/

- sign -0.644+/-0.000 χ^2/NDF: 35813253305.0/30

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:639080.1/13

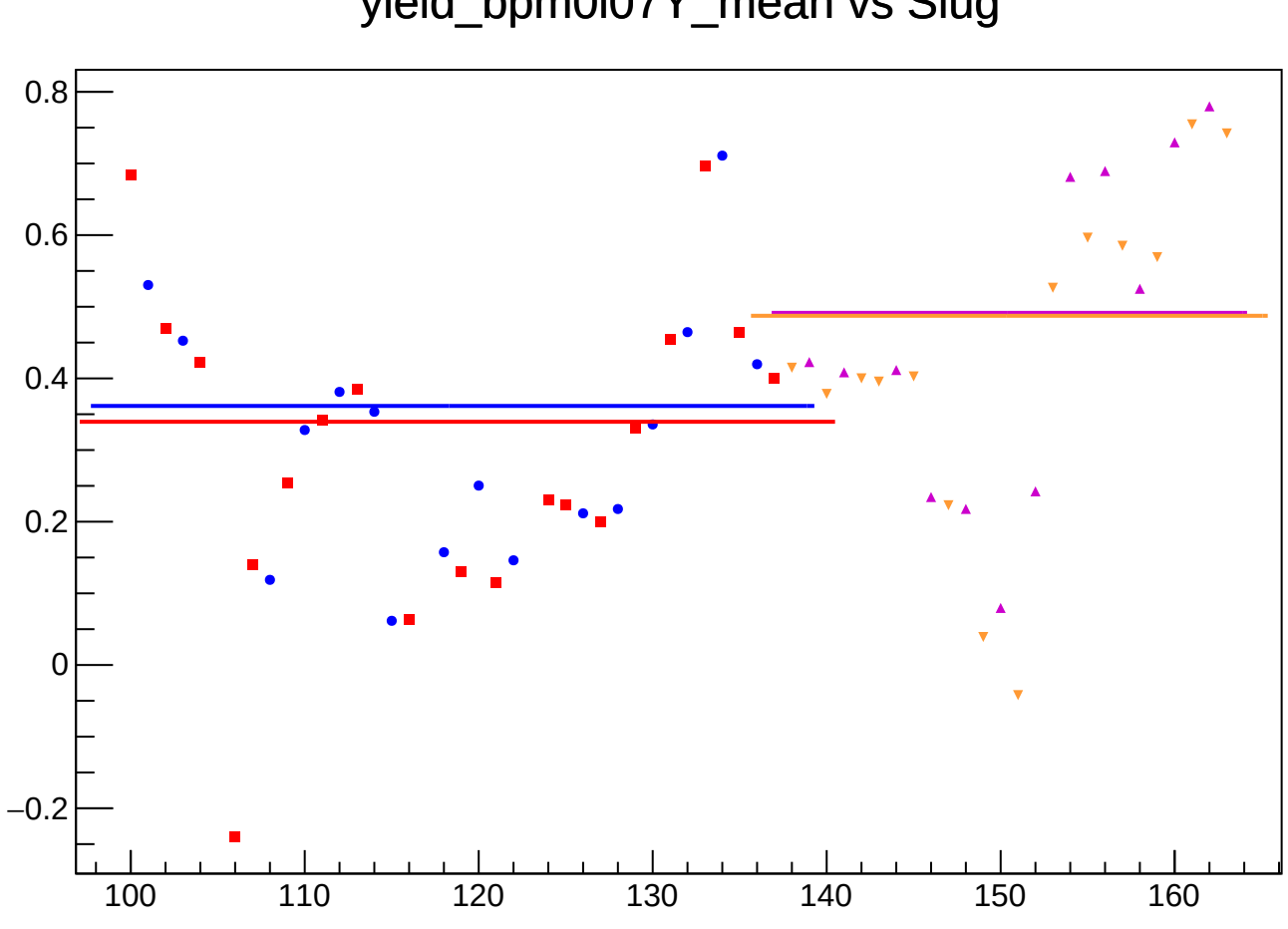
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:616596.5/11

+ sign 0.005+/-0.000 χ^2/NDF: 1700870.9/29

All: 0.005+/-0.000 χ^2/NDF: 2892621.0/60

- sign 0.005+/-0.000 χ^2/NDF: 1183419.5/30



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.487+/-0.000 χ^2/NDF:28404038926.5/13

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

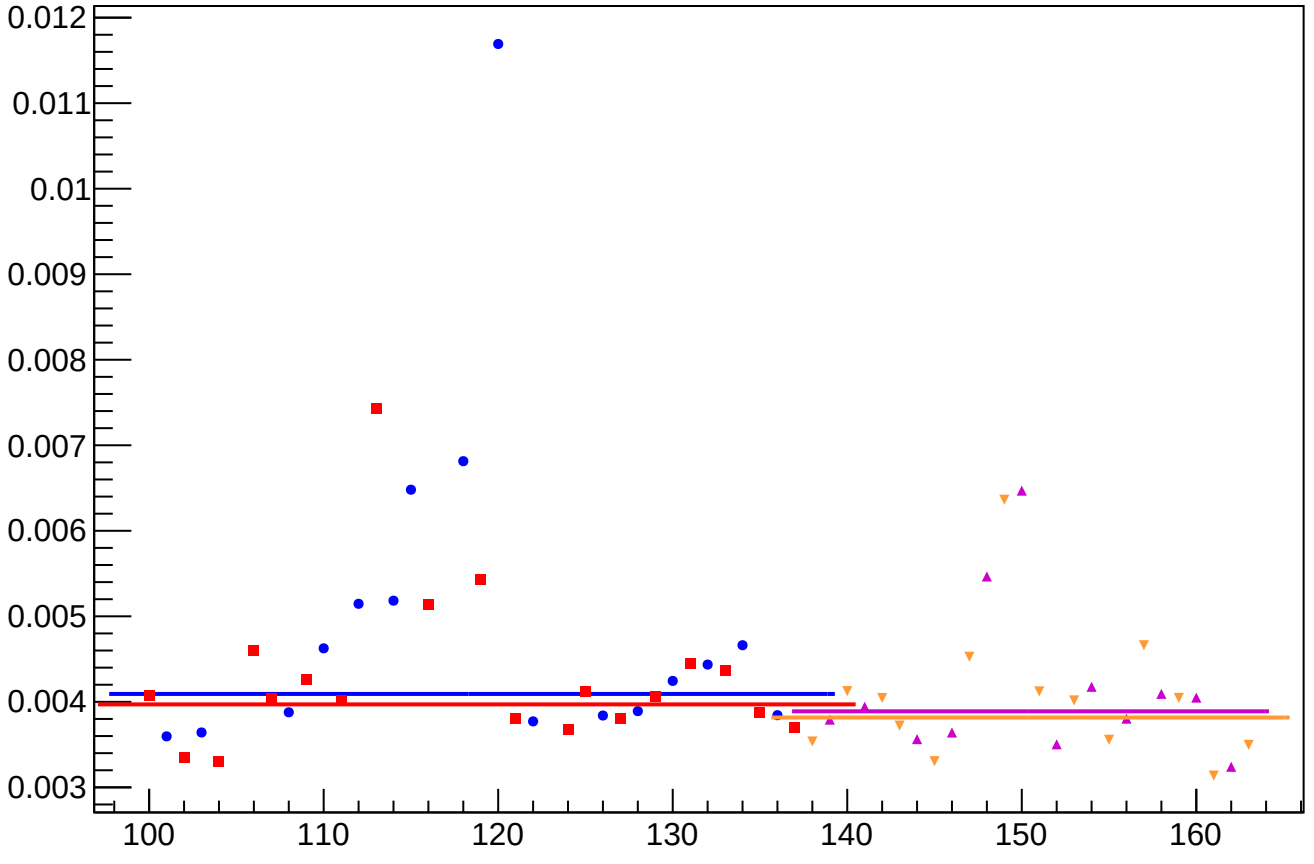
Left In: 0.491+/-0.000 χ^2/NDF:24025128170.0/11

+ sign 0.439+/-0.000 χ^2/NDF: 40755514819.8/29

All: 0.432+/-0.000 χ^2/NDF: 82232893939.5/6

- sign 0.425+/-0.000 χ^2/NDF: 41381510531.8/30

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:431237.4/13

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:433565.4/11

+ sign 0.004+/-0.000 χ^2/NDF: 957359.7/29

All: 0.004+/-0.000 χ^2/NDF: 1707636.1/60

- sign 0.004+/-0.000 χ^2/NDF: 750270.0/30

yield_bpm1i02X_mean vs Slug

Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.342+/-0.000 χ^2/NDF:1642162807.4/13

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

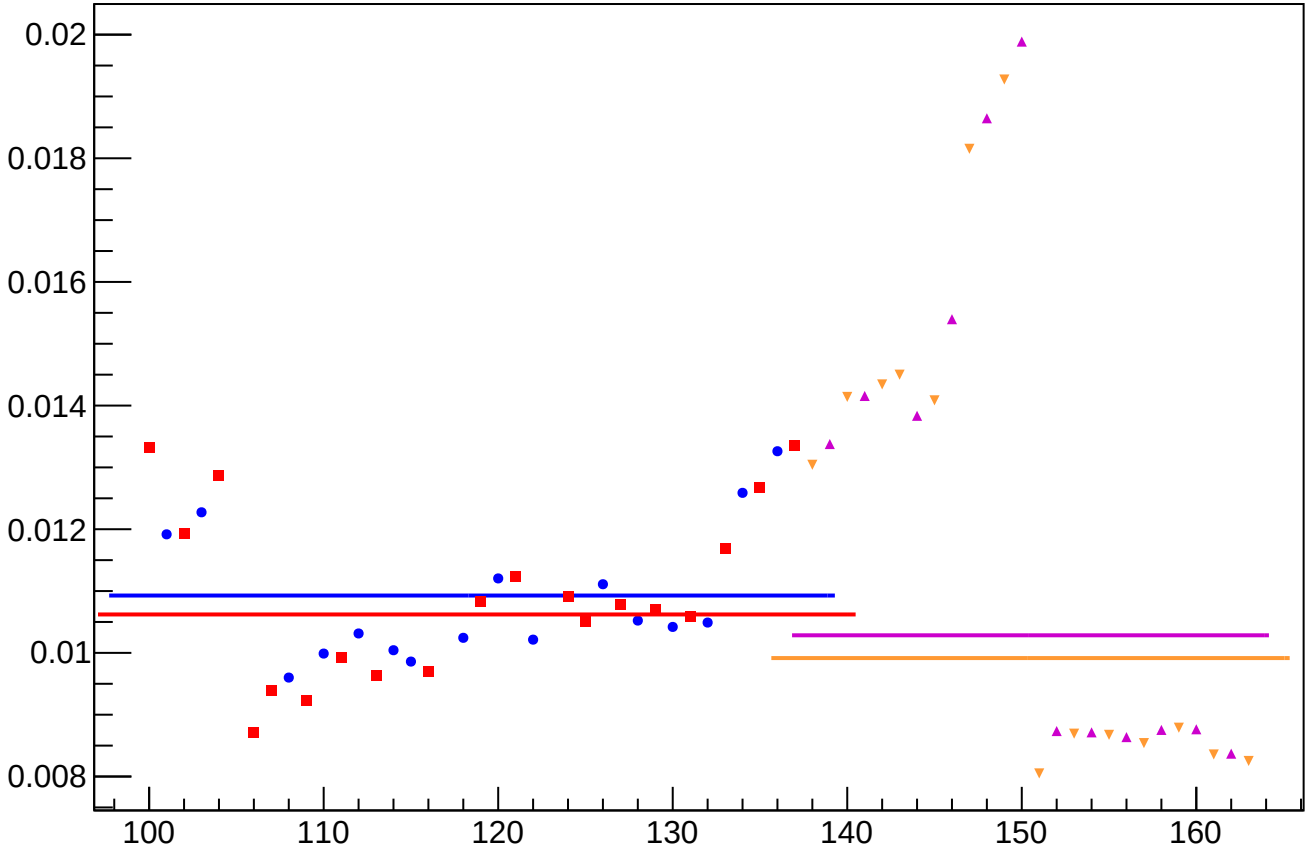
Left In: -2.358+/-0.000 χ^2/NDF:1281838224.3/11

+ sign -1.524+/-0.000 χ^2/NDF: 198695549157.2/29

All: -1.469+/-0.000 χ^2/NDF: 397692301003.5

- sign -1.410+/-0.000 χ^2/NDF: 197972971836.7/30

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1703368.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

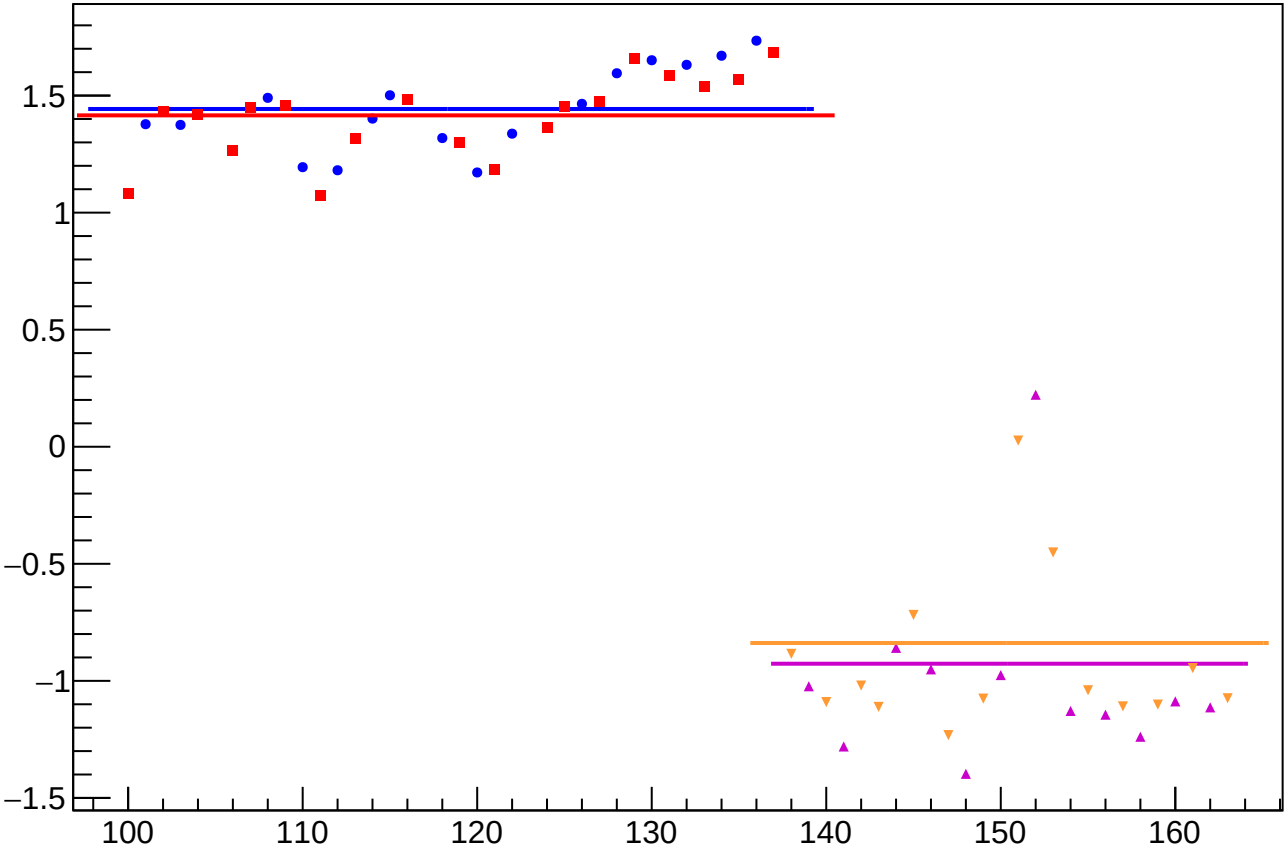
Left In: 0.010+/-0.000 χ^2/NDF:1645068.3/11

+ sign 0.010+/-0.000 χ^2/NDF: 1917463.7/29

All: 0.010+/-0.000 χ^2/NDF: 3764862.4/60

- sign 0.010+/-0.000 χ^2/NDF: 1844175.4/30

yield_bpm1i02Y_mean vs Slug



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.838+/-0.000 χ^2/NDF:27894461563.3/13

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

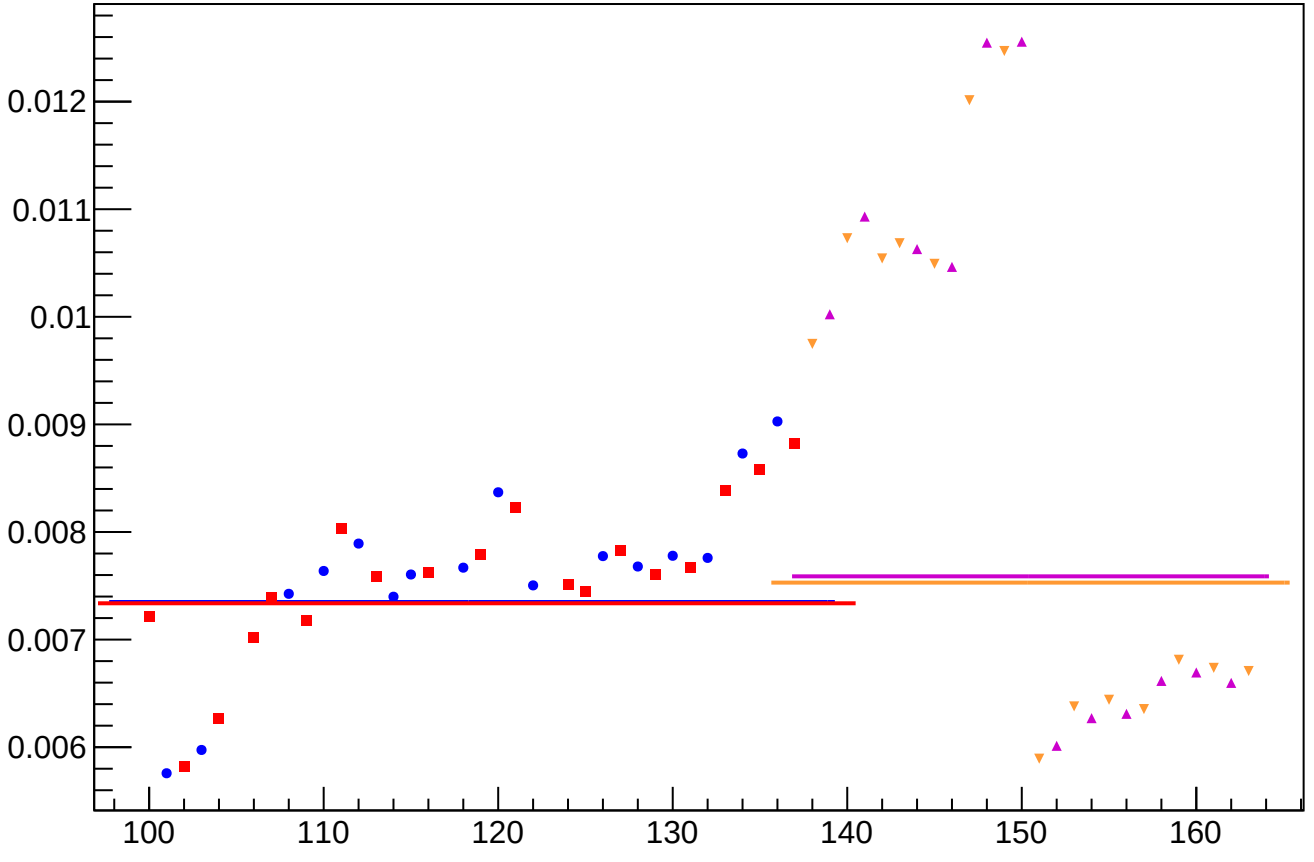
Left In: -0.927+/-0.000 χ^2/NDF:38670656304.0/11

+ sign 0.111+/-0.000 χ^2/NDF: 428908706449.5/29

All: 0.121+/-0.000 χ^2/NDF: 882443741819.1

- sign 0.131+/-0.000 χ^2/NDF: 453477048642.2/30

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:1412830.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

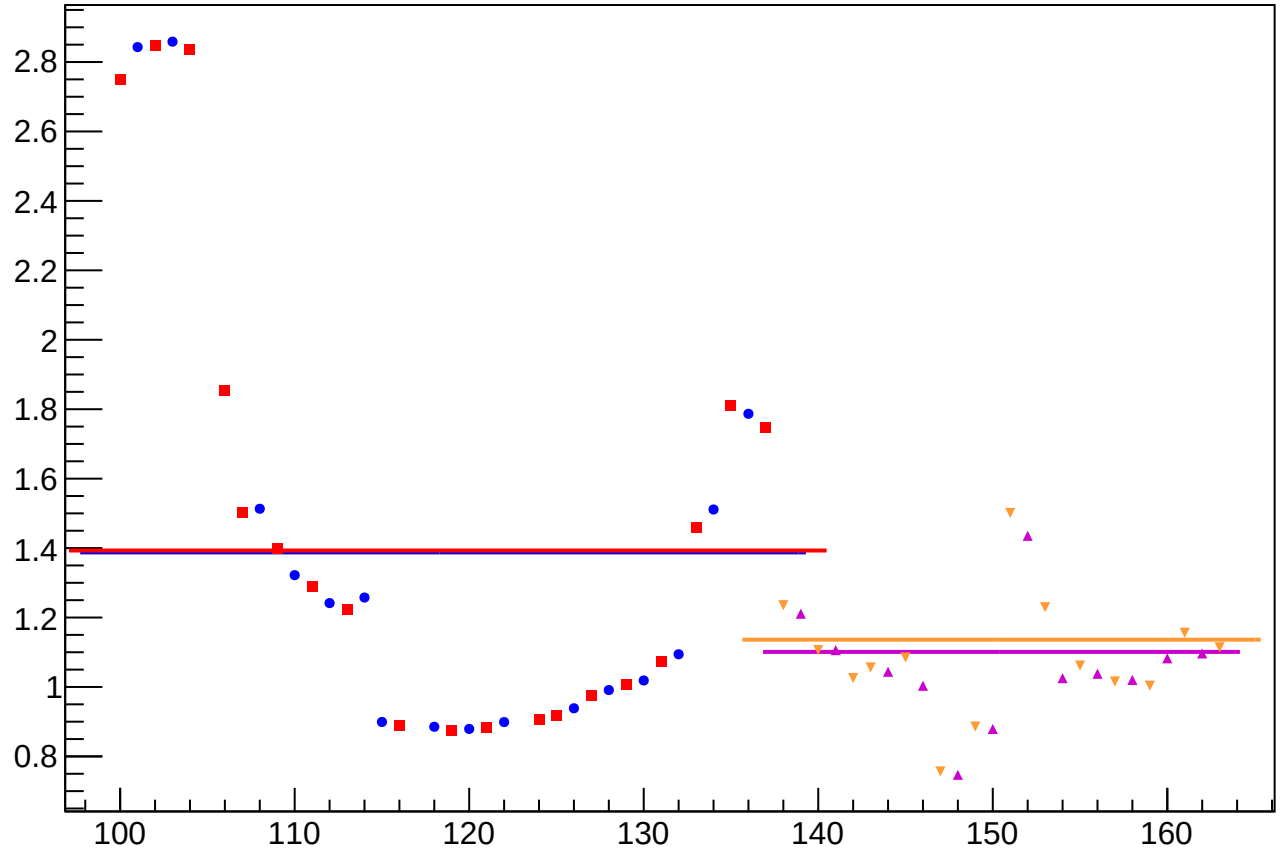
Left In: 0.008+/-0.000 χ^2/NDF:1452897.8/11

+ sign 0.007+/-0.000 χ^2/NDF: 1688656.5/29

All: 0.007+/-0.000 χ^2/NDF: 3346471.1/60

- sign 0.007+/-0.000 χ^2/NDF: 1657687.6/30

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.136+/-0.000 χ^2/NDF:5318695407.9/13

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

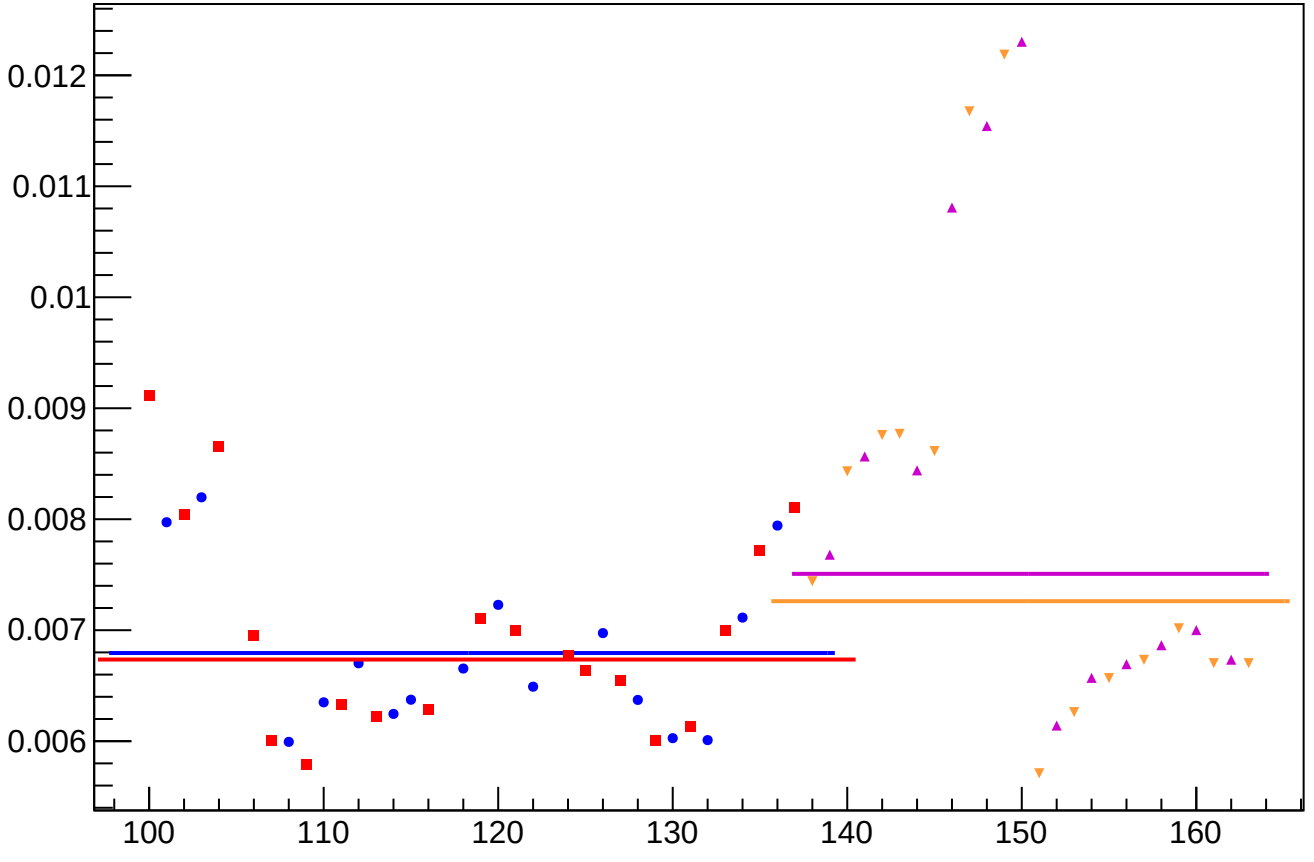
Left In: 1.101+/-0.000 χ^2/NDF:4144324077.8/11

+ sign 1.247+/-0.000 χ^2/NDF: 69386007075.6/29

All: 1.245+/-0.000 χ^2/NDF: 135991630531.0

- sign 1.243+/-0.000 χ^2/NDF: 66603763454.4/30

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:810571.6/13

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

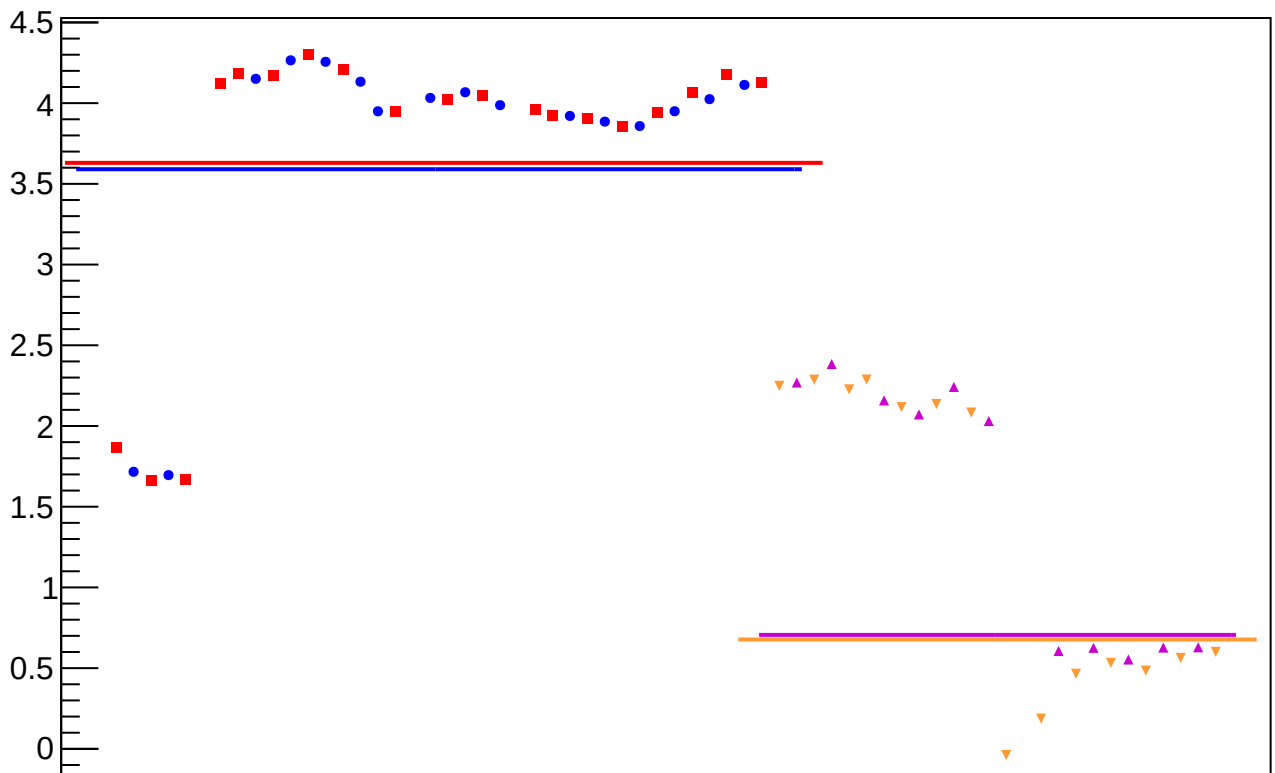
Left In: 0.008+/-0.000 χ^2/NDF:830343.8/11

+ sign 0.007+/-0.000 χ^2/NDF: 1012719.8/29

All: 0.007+/-0.000 χ^2/NDF: 2142641.3/60

- sign 0.007+/-0.000 χ^2/NDF: 1127994.7/30

yield_bpm1i04Y_mean vs Slug



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.677+/-0.000 χ^2/NDF:243945268490.3/13

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

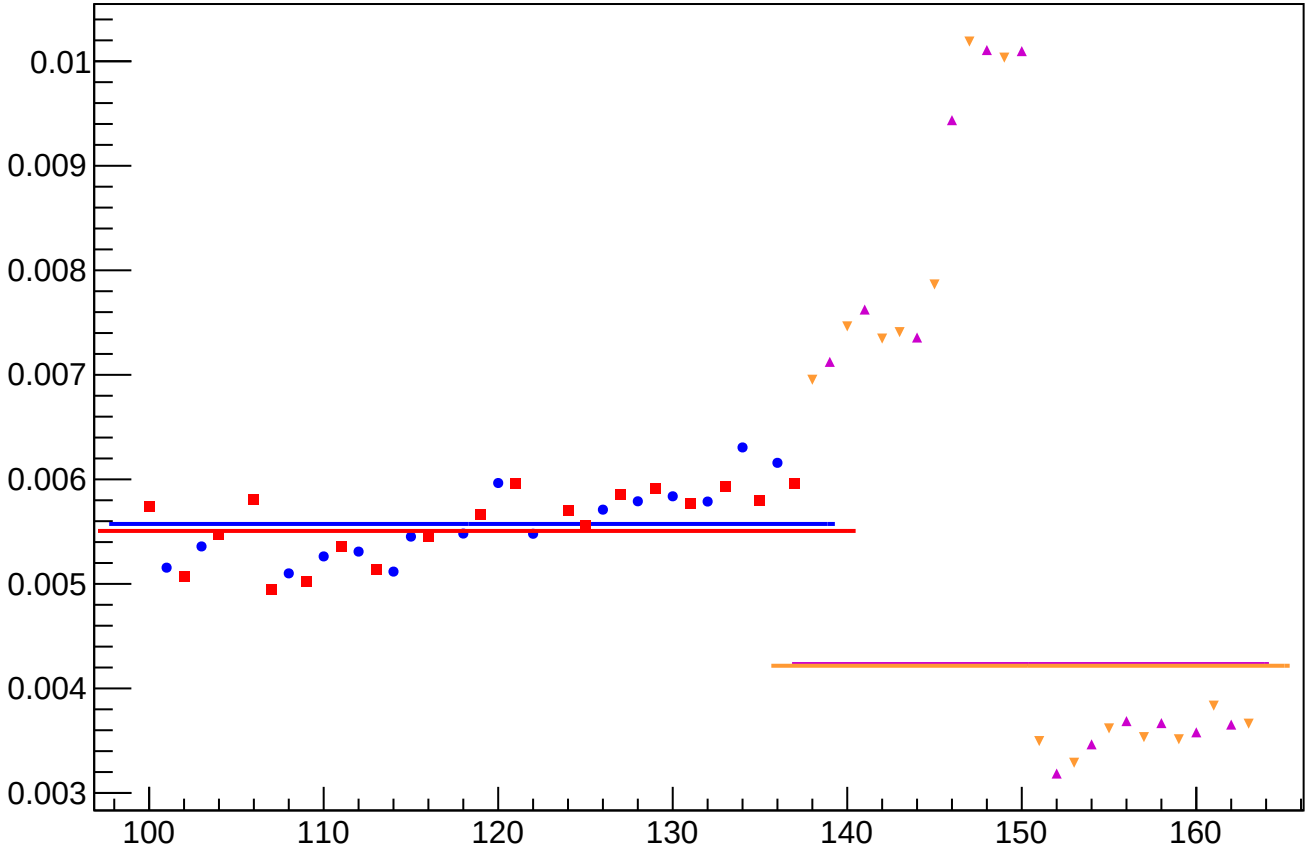
Left In: 0.706+/-0.000 χ^2/NDF:241781919334.5/11

+ sign 1.574+/-0.000 χ^2/NDF: 1802006474294.9/29

All: 1.632+/-0.000 χ^2/NDF: 3625285682961.

- sign 1.694+/-0.000 χ^2/NDF: 1818017971592.2/30

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2742884.4/13

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

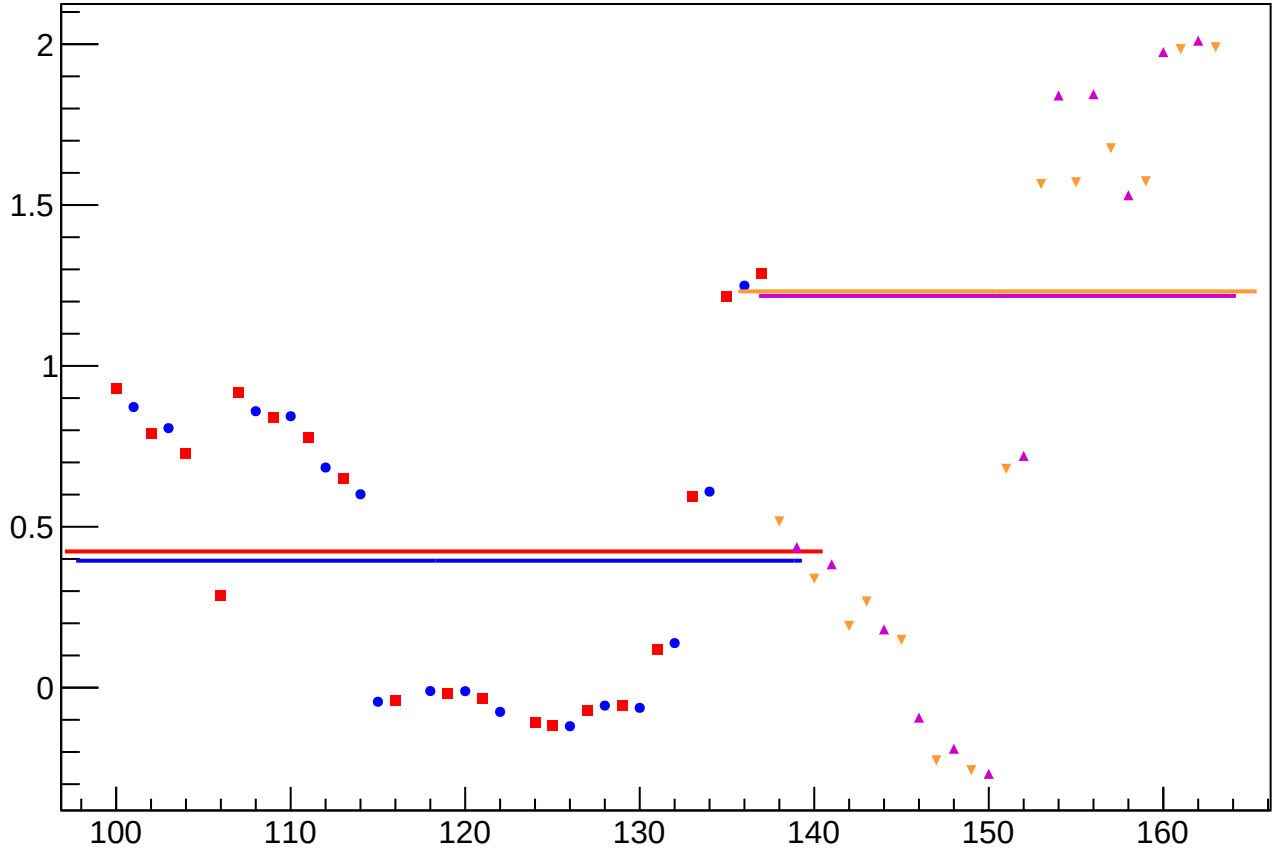
Left In: 0.004+/-0.000 χ^2/NDF:2909994.7/11

+ sign 0.005+/-0.000 χ^2/NDF: 3389954.6/29

All: 0.005+/-0.000 χ^2/NDF: 6875028.2/60

- sign 0.005+/-0.000 χ^2/NDF: 3484452.6/30

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.232+/-0.000 χ^2/NDF:41897971117.3/13

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

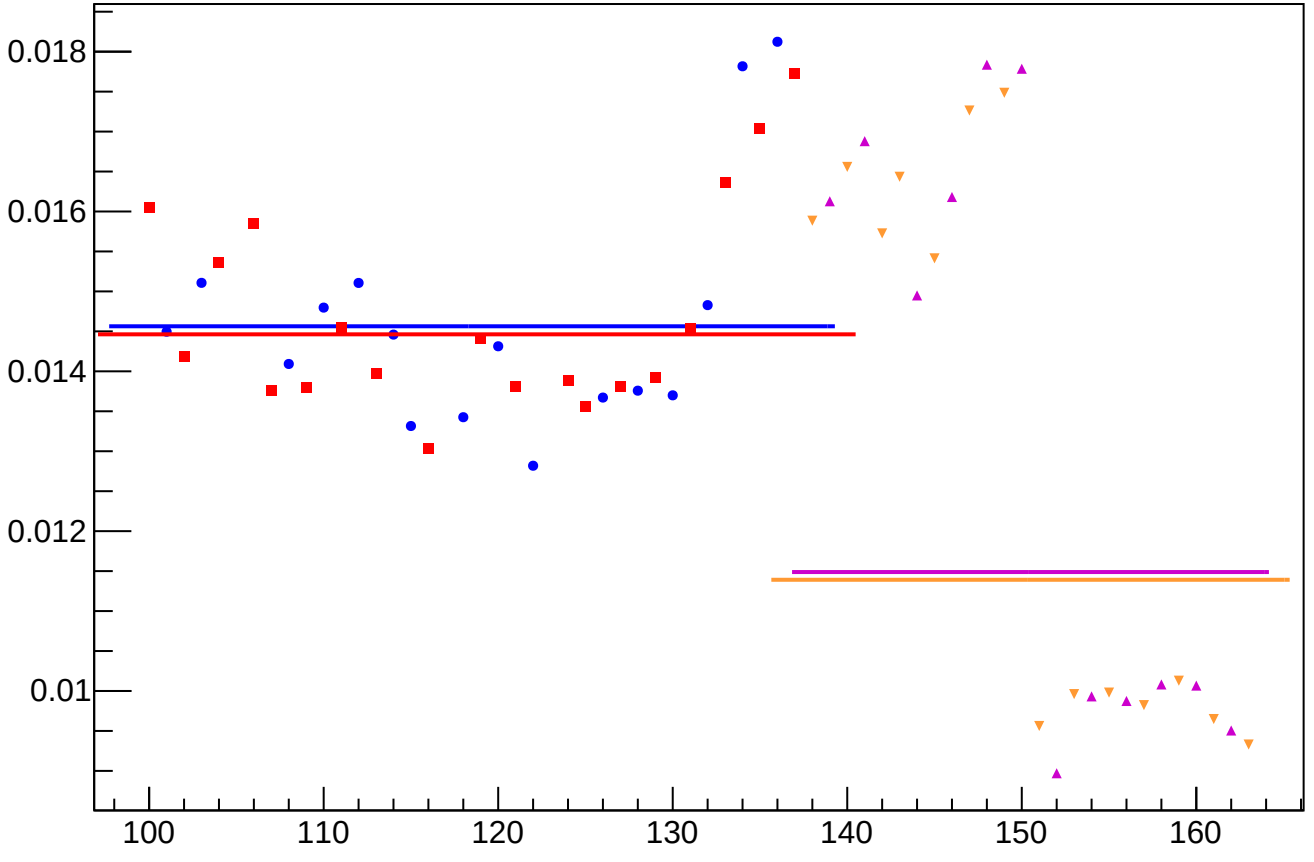
Left In: 1.218+/-0.000 χ^2/NDF:45805486819.2/11

+ sign 0.984+/-0.000 χ^2/NDF: 65823639721.8/29

All: 0.972+/-0.000 χ^2/NDF: 133396059904.9

- sign 0.959+/-0.000 χ^2/NDF: 67538882588.8/30

yield_bpm1i06X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1324878.6/13

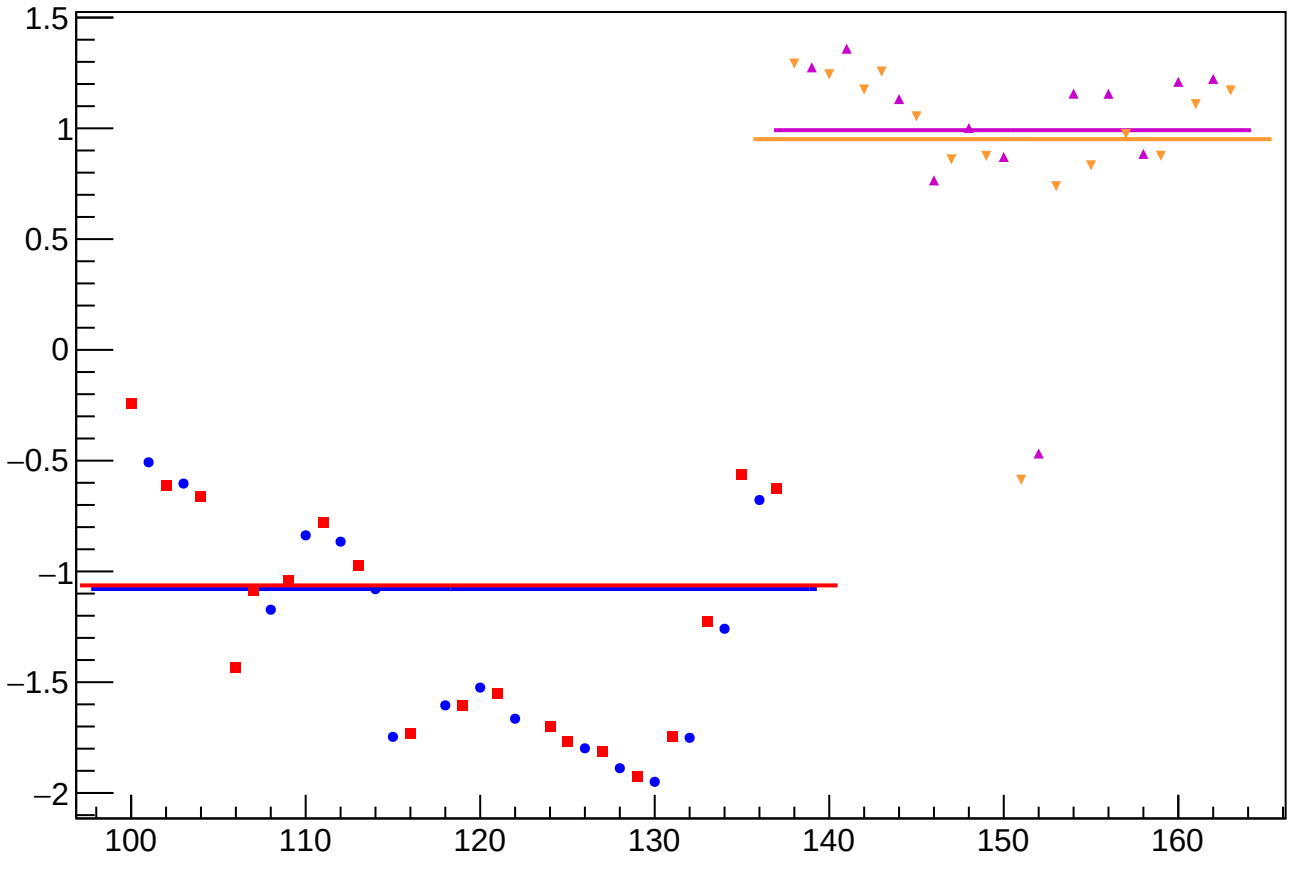
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1347605.6/11

+ sign 0.012+/-0.000 χ^2/NDF: 1932194.0/29

All: 0.012+/-0.000 χ^2/NDF: 3774947.2/60

- sign 0.012+/-0.000 χ^2/NDF: 1841024.1/30



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.951+/-0.000 χ^2/NDF:104326276717.9/13

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

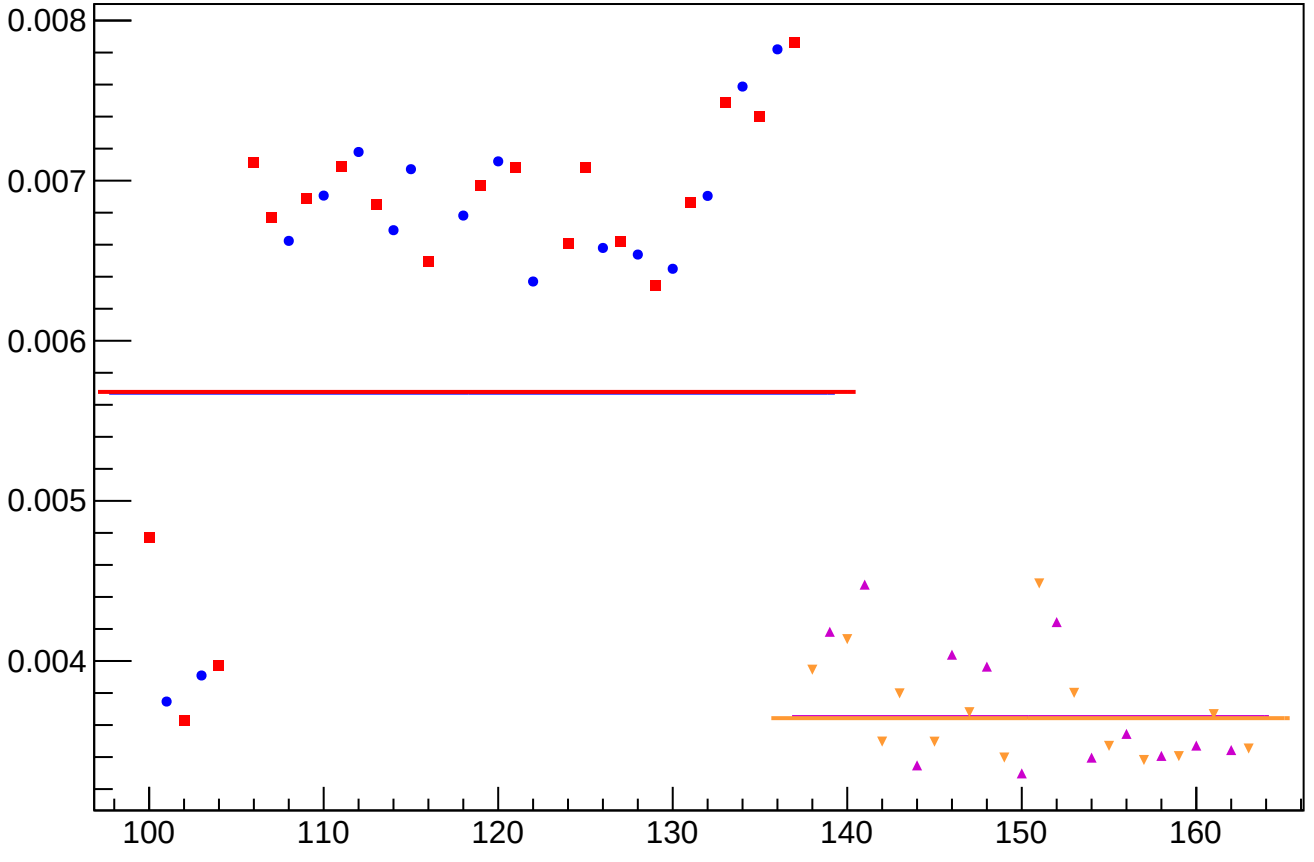
Left In: 0.992+/-0.000 χ^2/NDF:119463752786.7/11

+ sign 0.530+/-0.000 χ^2/NDF: 809903355372.0/29

All: 0.530+/-0.000 χ^2/NDF: 1633395773258.

- sign 0.530+/-0.000 χ^2/NDF: 823492414659.2/30

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:120715.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

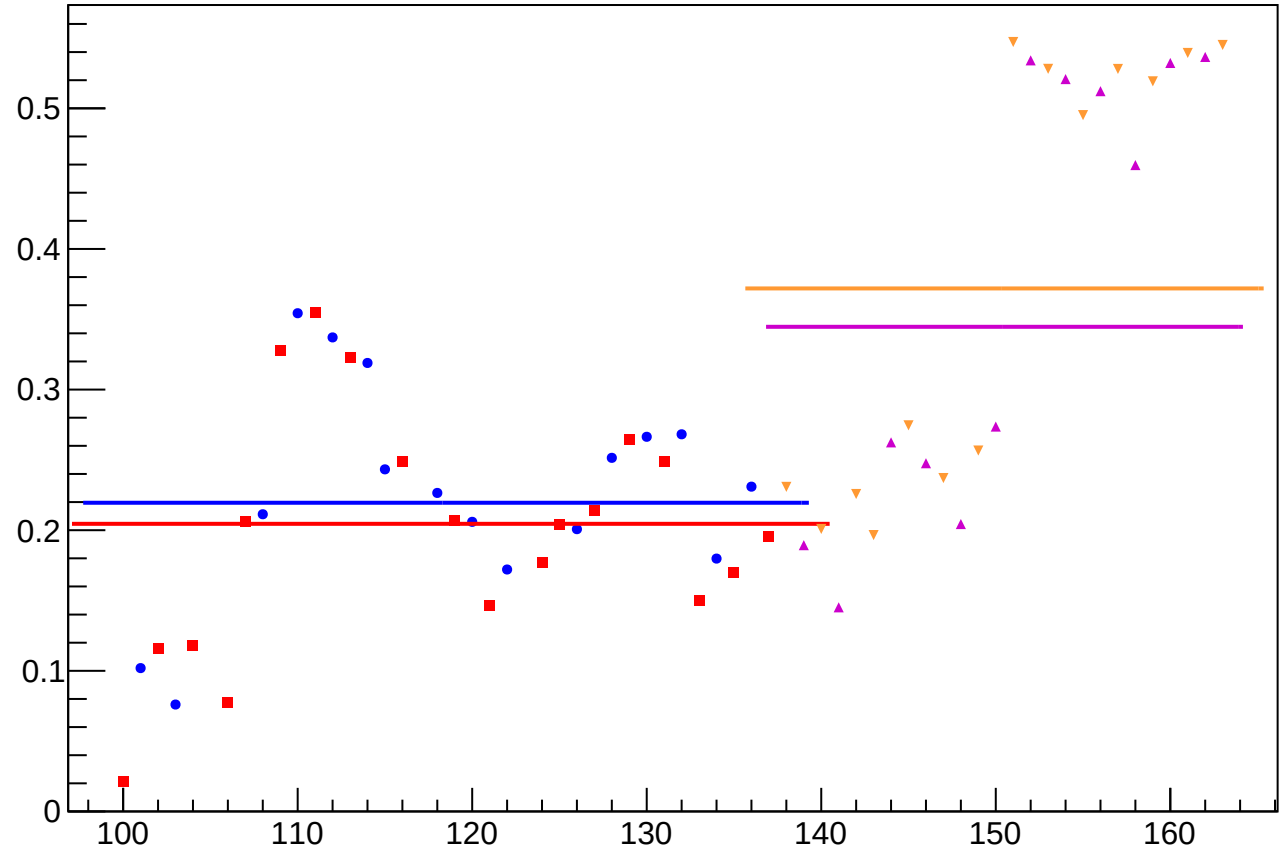
Left In: 0.004+/-0.000 χ^2/NDF:194058.0/11

+ sign 0.004+/-0.000 χ^2/NDF: 2360390.6/29

All: 0.004+/-0.000 χ^2/NDF: 4814350.6/60

- sign 0.004+/-0.000 χ^2/NDF: 2452378.2/30

yield_bpm2i01X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.372+/-0.000 χ^2/NDF:114228466055.3/13

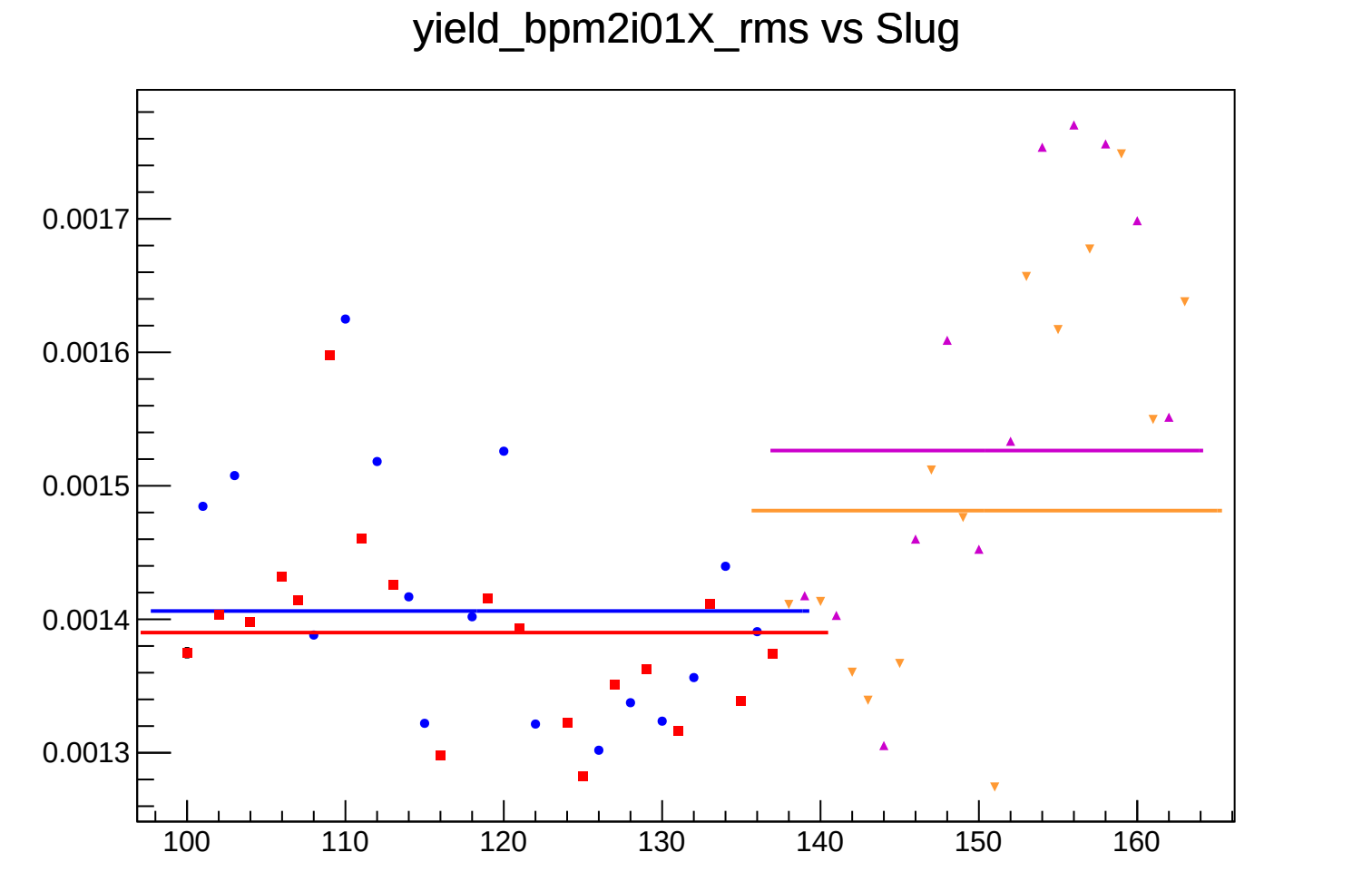
Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

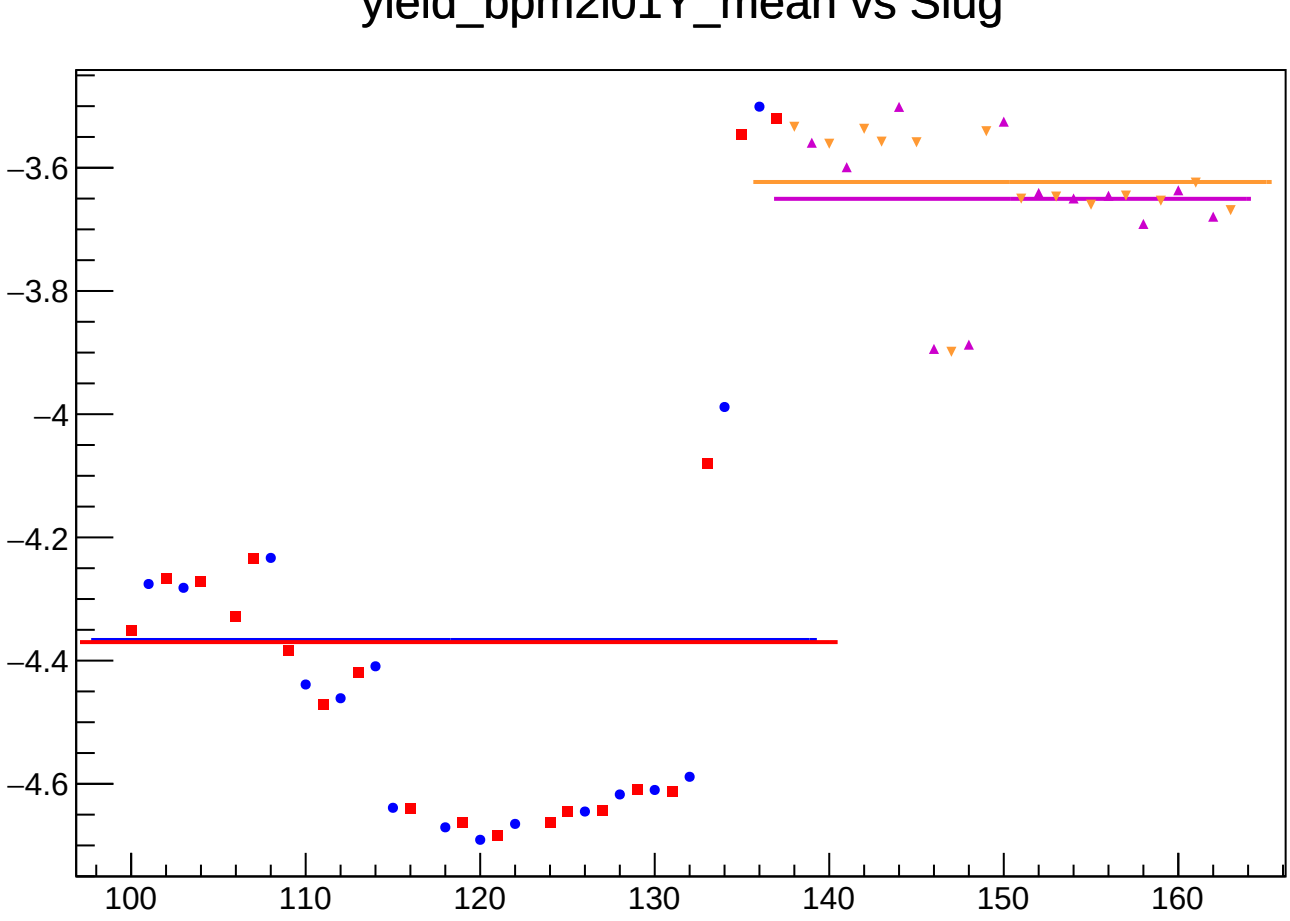
Left In: 0.345+/-0.000 χ^2/NDF:98025584646.7/11

+ sign 0.309+/-0.000 χ^2/NDF: 178845650185.1/29

All: 0.294+/-0.000 χ^2/NDF: 342534738104.5

- sign 0.279+/-0.000 χ^2/NDF: 159949518294.1/30


yield_bpm2i01X_rms vs Slug
0.0017
0.0016
0.0015
0.0014
0.0013
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 48200.9/15
Left Out: 0.001+/-0.000 χ²/NDF:199403.0/13
Right Out: 0.001+/-0.000 χ²/NDF: 34786.9/18
Left In: 0.002+/-0.000 χ²/NDF:193504.3/11
+ sign 0.001+/-0.000 χ²/NDF: 270926.1/29
All: 0.001+/-0.000 χ²/NDF: 575485.9/60
- sign 0.001+/-0.000 χ²/NDF: 303328.9/30



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.623+/-0.000 χ^2/NDF:20875122324.3/13

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

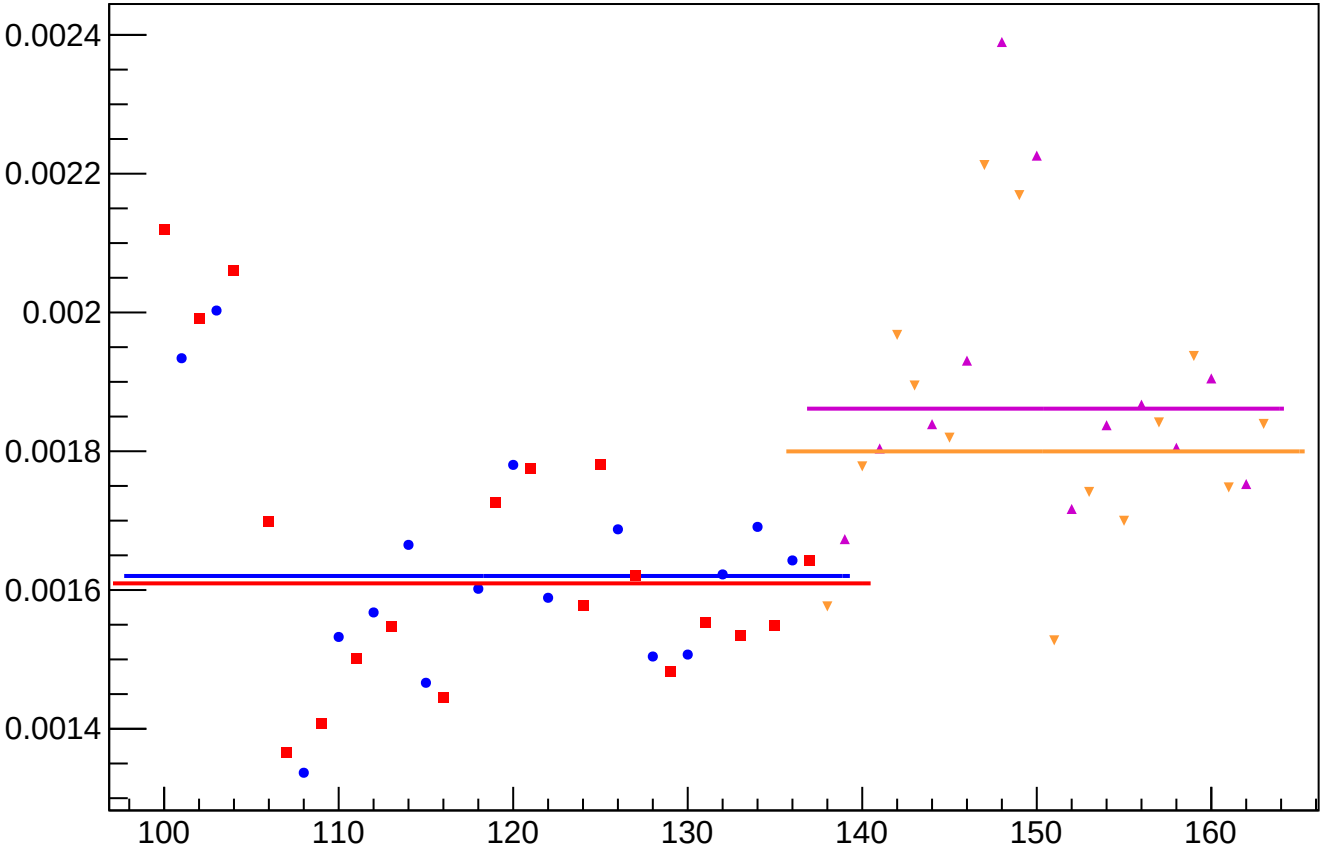
Left In: -3.650+/-0.000 χ^2/NDF:33170541456.3/11

+ sign -3.952+/-0.000 χ^2/NDF: 1179813683289.3/2

All: -3.977+/-0.000 χ^2/NDF: 2241213465357

- sign -4.003+/-0.000 χ^2/NDF: 1053948732019.3/30

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:211767.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

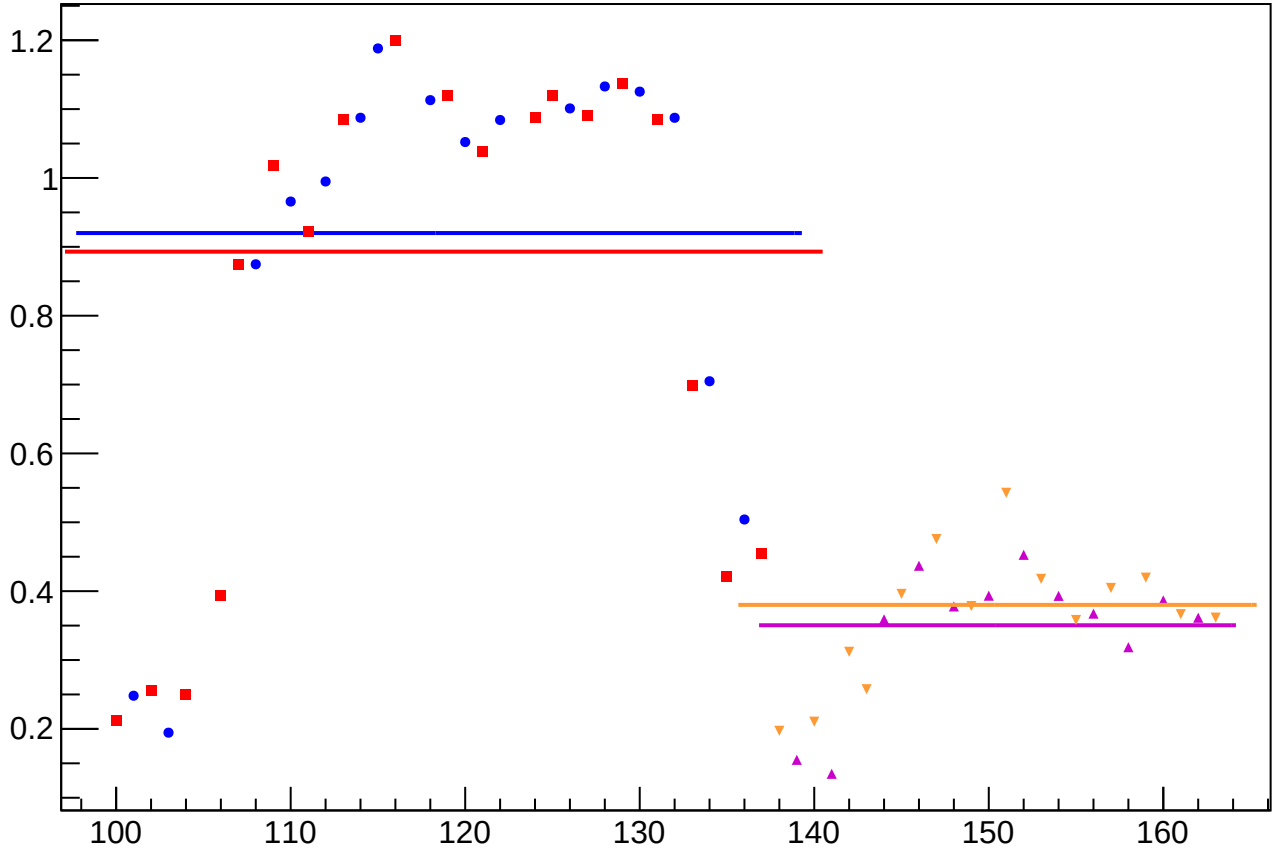
Left In: 0.002+/-0.000 χ^2/NDF:170022.4/11

+ sign 0.002+/-0.000 χ^2/NDF: 445989.4/29

All: 0.002+/-0.000 χ^2/NDF: 980233.2/60

- sign 0.002+/-0.000 χ^2/NDF: 532458.7/30

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1675776703.1/13

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

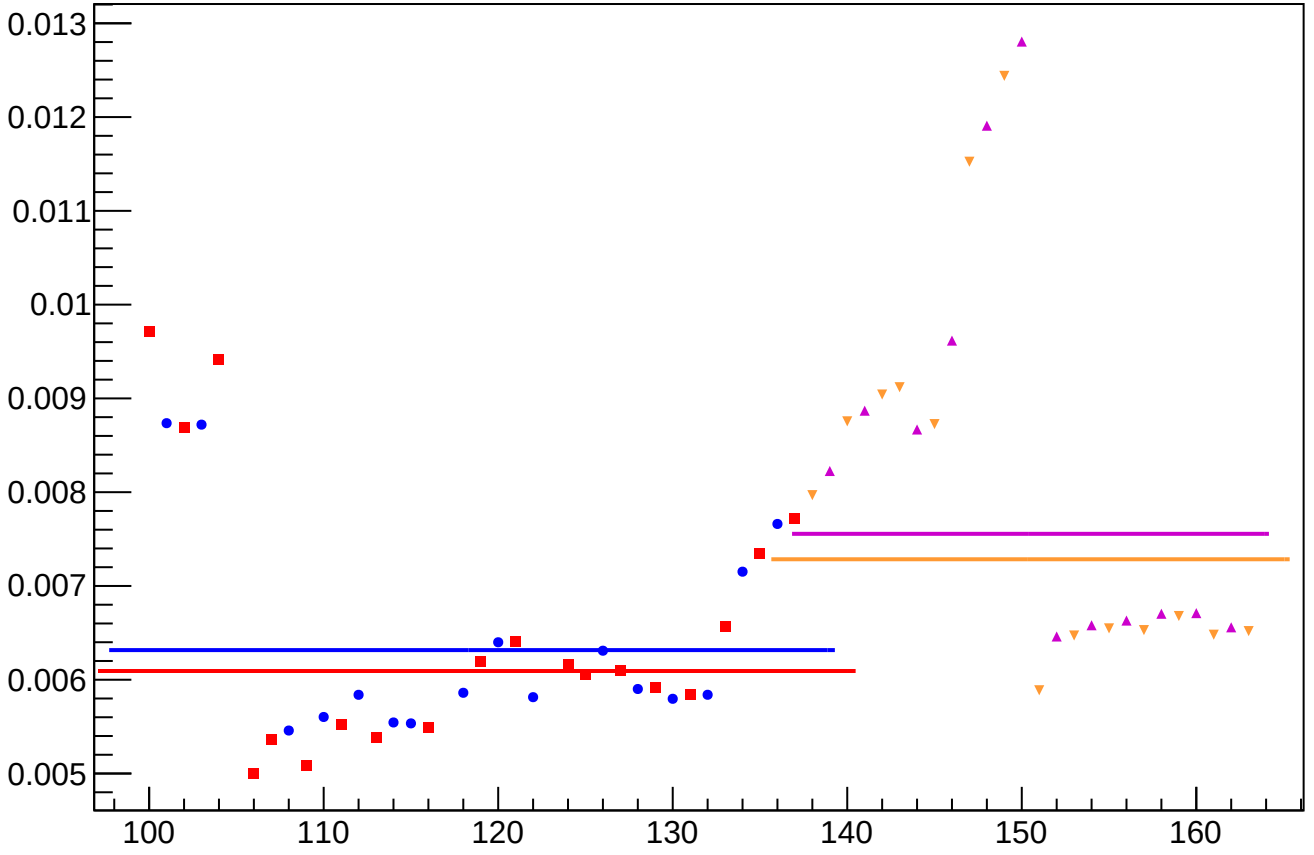
Left In: 0.350+/-0.000 χ^2/NDF:1386911421.7/11

+ sign 0.632+/-0.000 χ^2/NDF: 43543068987.5/29

All: 0.636+/-0.000 χ^2/NDF: 89528901486.1/6

- sign 0.639+/-0.000 χ^2/NDF: 45978133215.1/30

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:933503.5/13

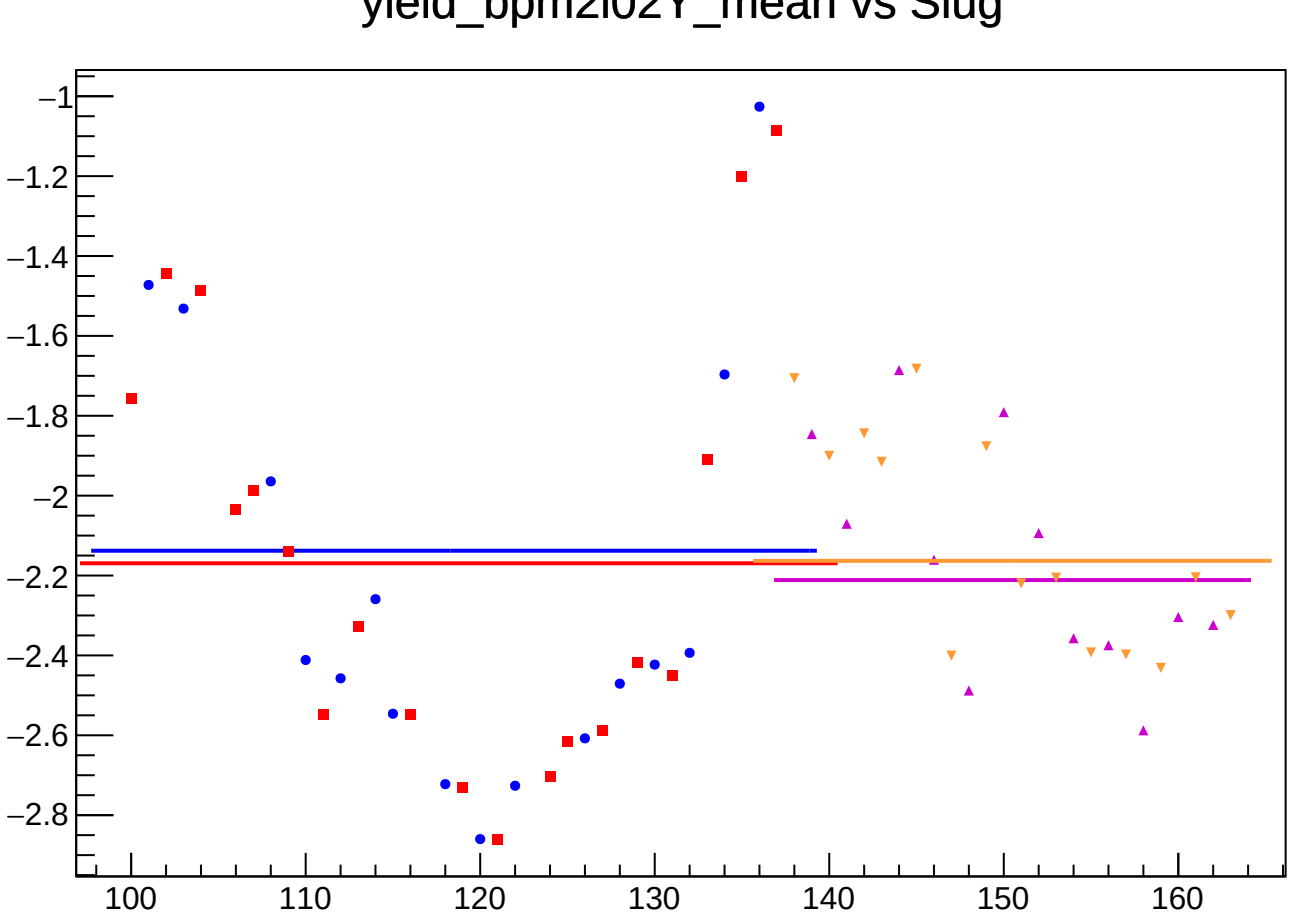
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

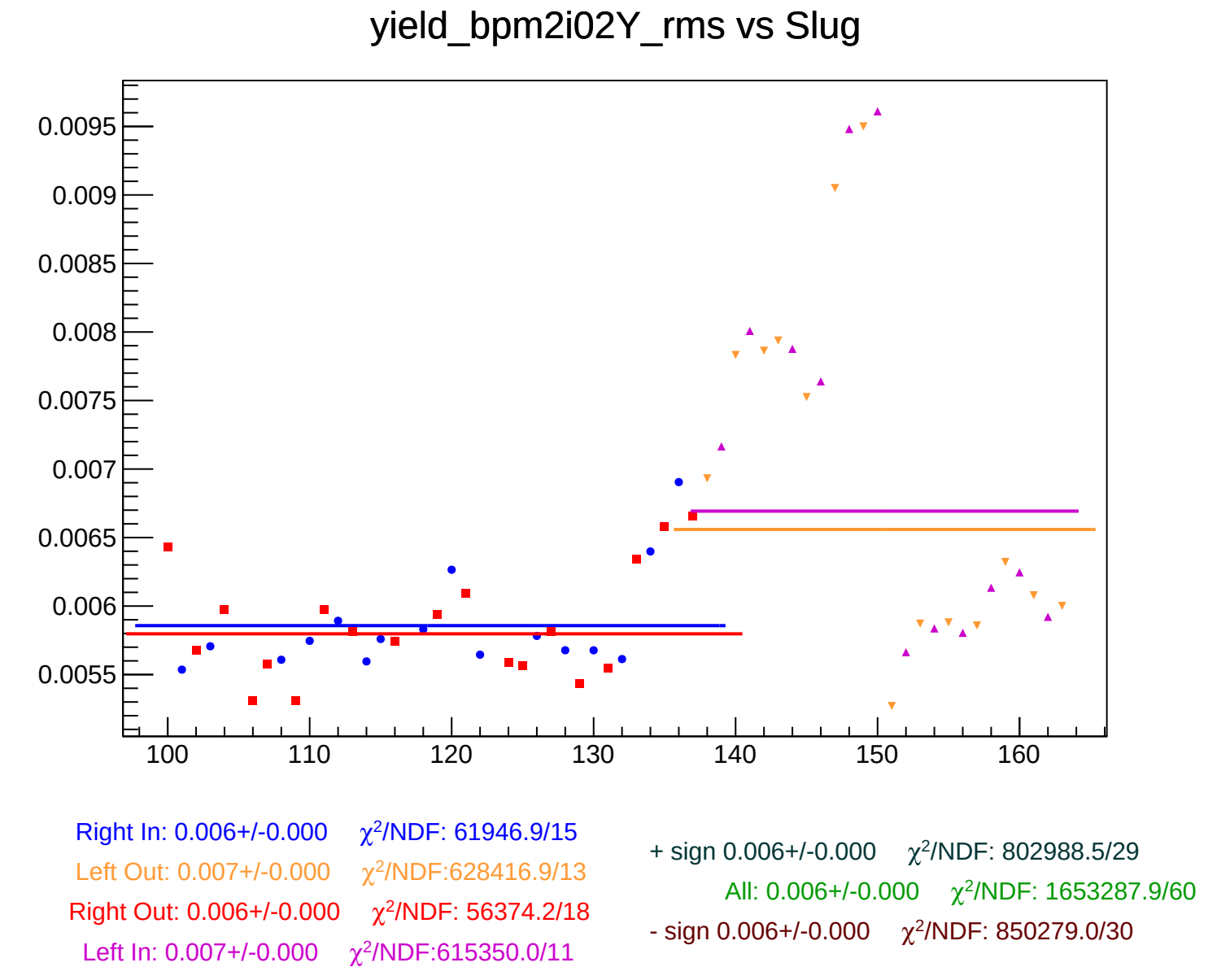
Left In: 0.008+/-0.000 χ^2/NDF:893909.9/11

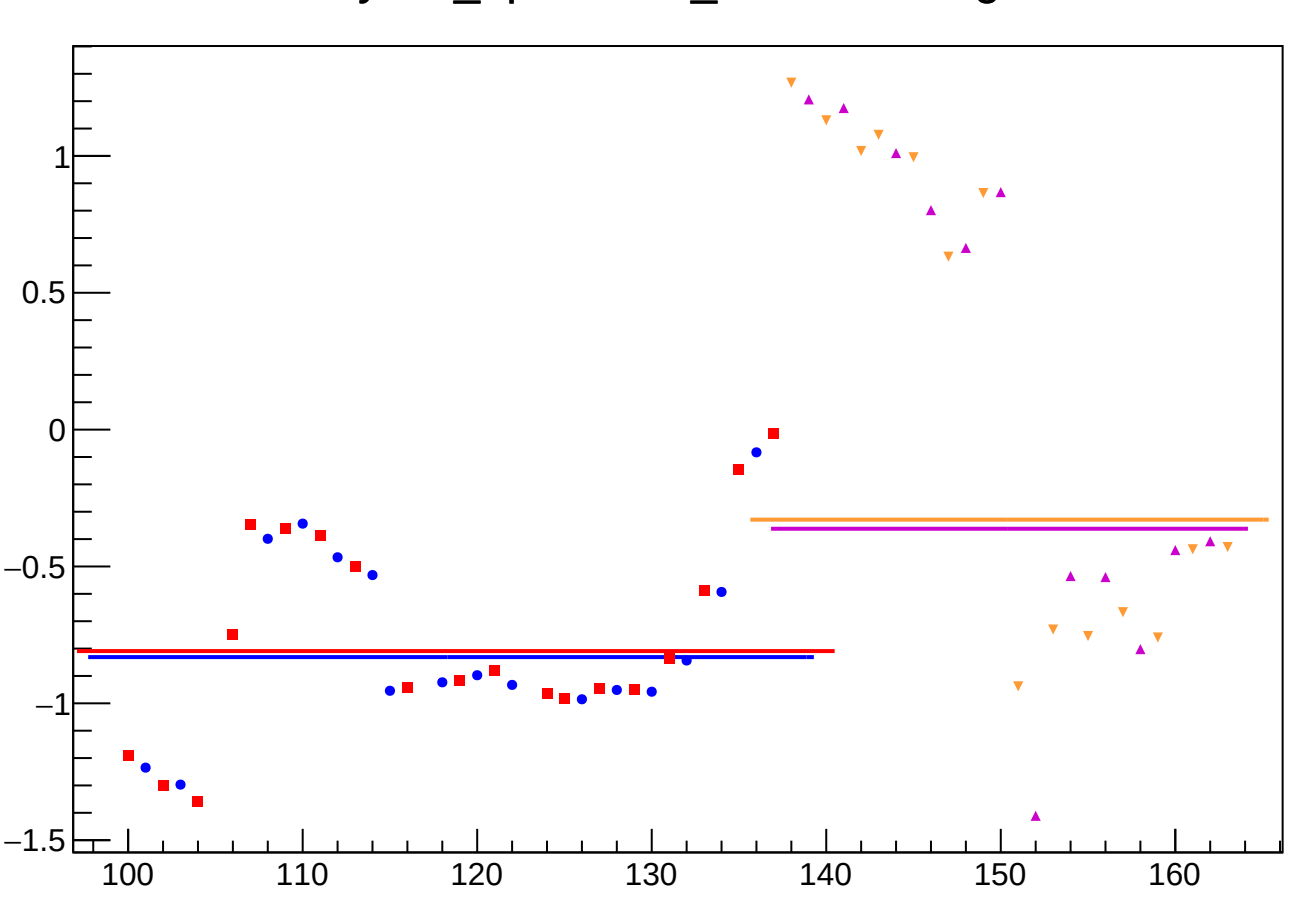
+ sign 0.007+/-0.000 χ^2/NDF: 1444918.3/29

All: 0.007+/-0.000 χ^2/NDF: 3167630.1/60

- sign 0.007+/-0.000 χ^2/NDF: 1721648.9/30


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
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.163+/-0.000 χ²/NDF:15195166535.3/13
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.211+/-0.000 χ²/NDF:14286362505.2/11
+ sign -2.152+/-0.000 χ²/NDF: 80935123741.6/29
All: -2.171+/-0.000 χ²/NDF: 153167285430.3
- sign -2.190+/-0.000 χ²/NDF: 71892857770.9/30


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
160
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.007+/-0.000 χ²/NDF:628416.9/13
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:615350.0/11
+ sign 0.006+/-0.000 χ²/NDF: 802988.5/29
All: 0.006+/-0.000 χ²/NDF: 1653287.9/60
- sign 0.006+/-0.000 χ²/NDF: 850279.0/30



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.329+/-0.000 χ^2/NDF:76936144376.2/13

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

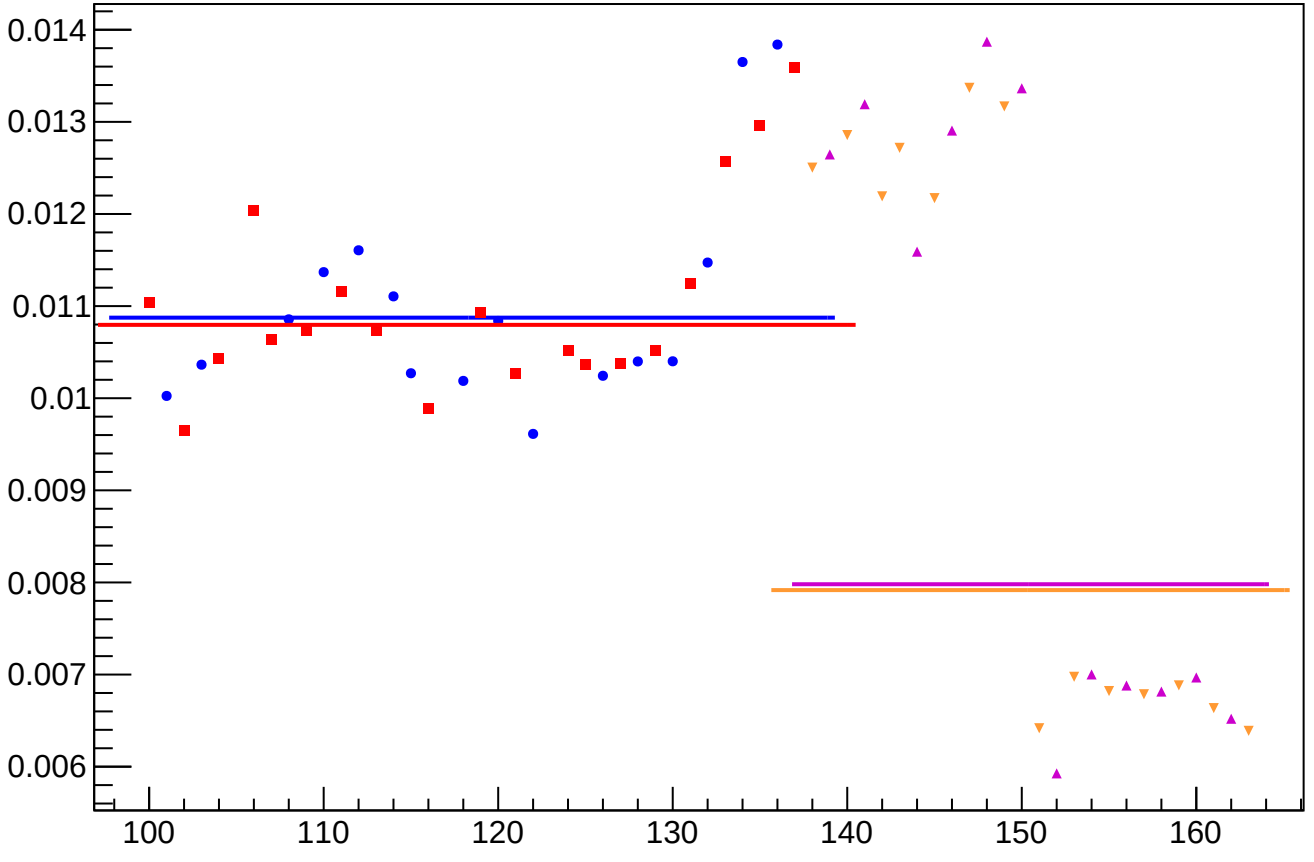
Left In: -0.362+/-0.000 χ^2/NDF:86992238935.0/11

+ sign -0.466+/-0.000 χ^2/NDF: 94965090348.4/29

All: -0.481+/-0.000 χ^2/NDF: 198861610436.0

- sign -0.497+/-0.000 χ^2/NDF: 103794394590.3/30

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1897675.0/13

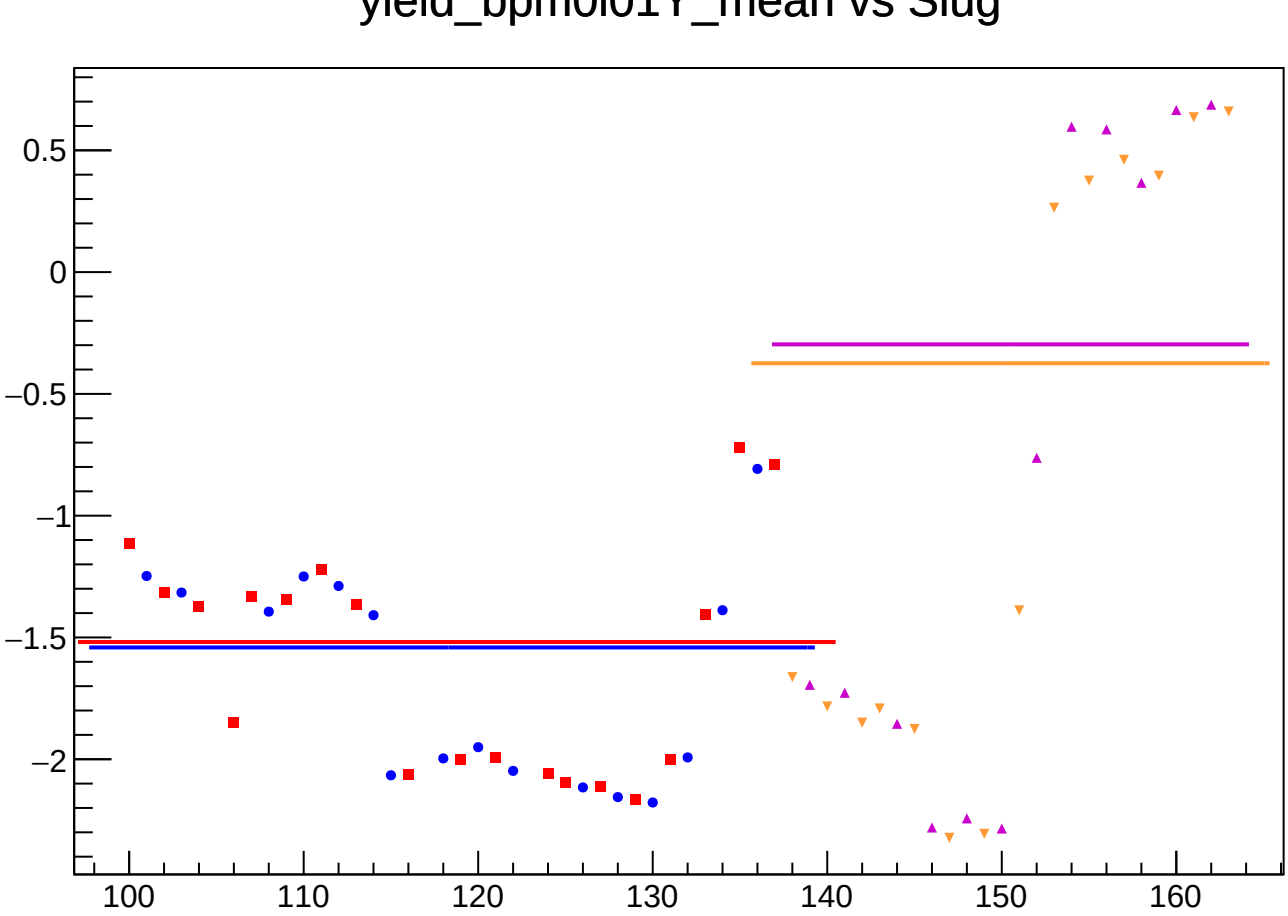
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1940053.7/11

+ sign 0.009+/-0.000 χ^2/NDF: 2812732.8/29

All: 0.009+/-0.000 χ^2/NDF: 5541434.2/60

- sign 0.009+/-0.000 χ^2/NDF: 2726319.7/30



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.374+/-0.000 χ^2/NDF:1712350826648.8/13

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

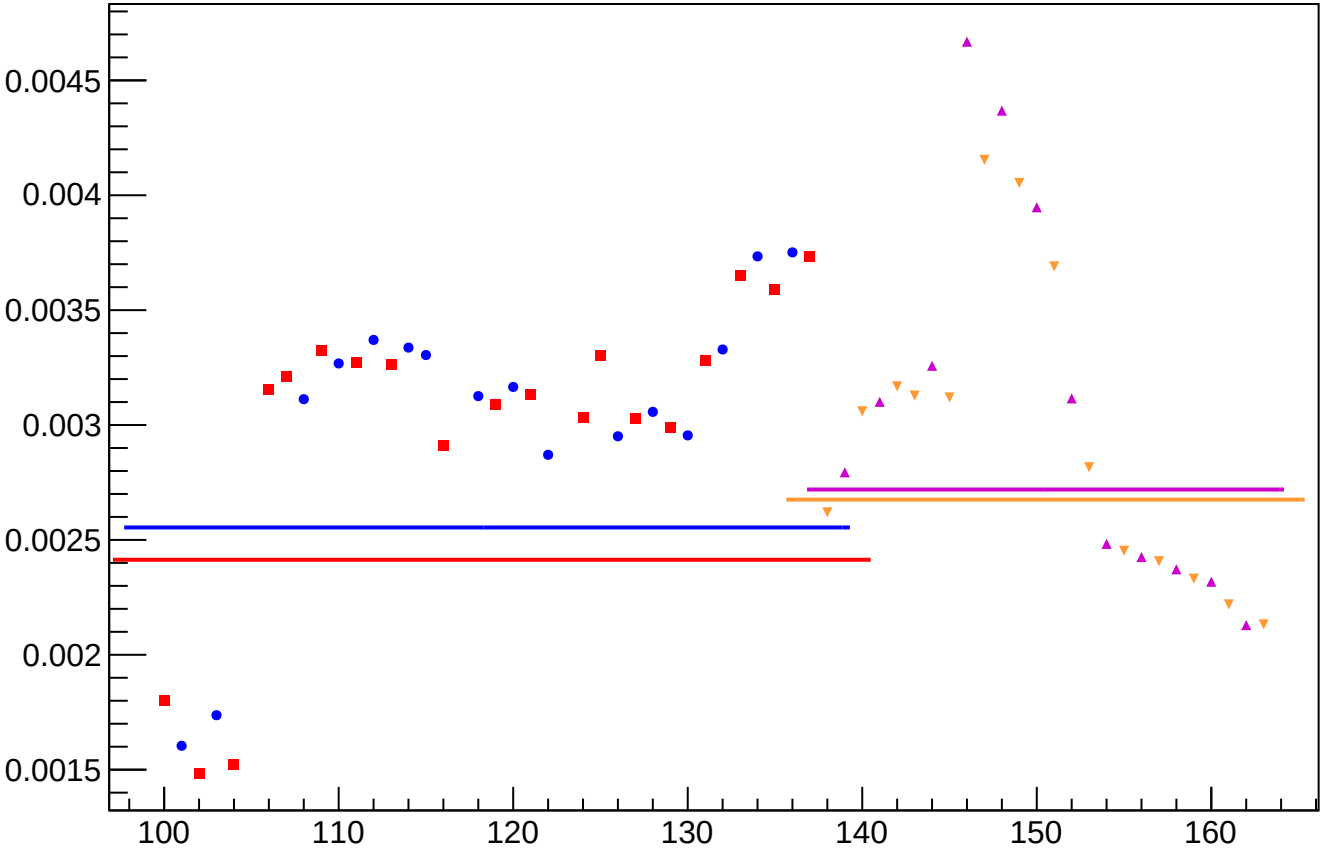
Left In: -0.297+/-0.000 χ^2/NDF:1571153914883.7/11

+ sign -0.852+/-0.000 χ^2/NDF: 2621325503046.6/2

All: -0.857+/-0.000 χ^2/NDF: 5153914064529

- sign -0.862+/-0.000 χ^2/NDF: 2532482386873.1/30

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:748769.0/13

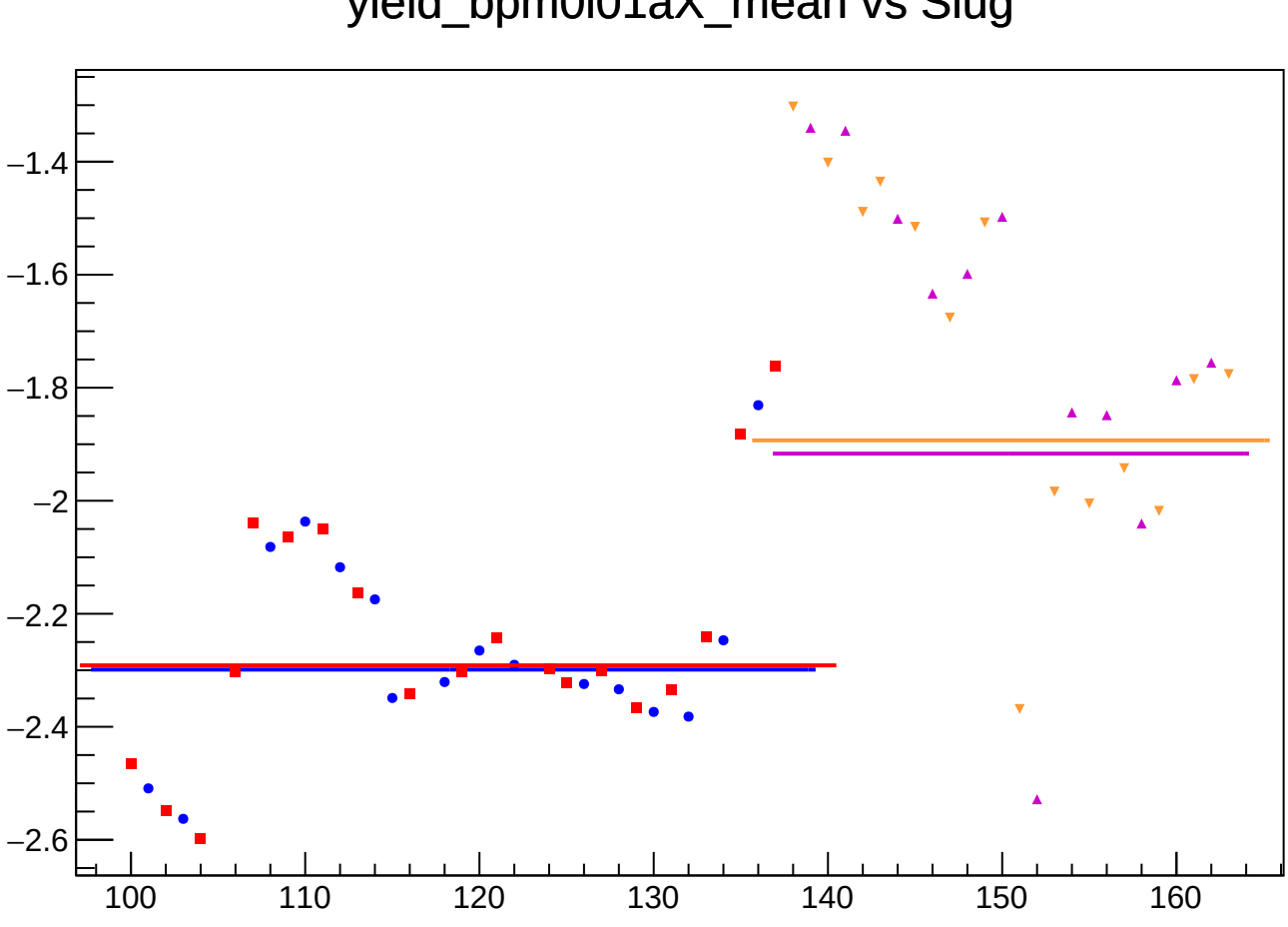
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:859075.8/11

+ sign 0.003+/-0.000 χ^2/NDF: 1937338.8/29

All: 0.003+/-0.000 χ^2/NDF: 4450462.2/60

- sign 0.003+/-0.000 χ^2/NDF: 2508011.7/30



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.893+/-0.000 χ^2/NDF:26758272313.5/13

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

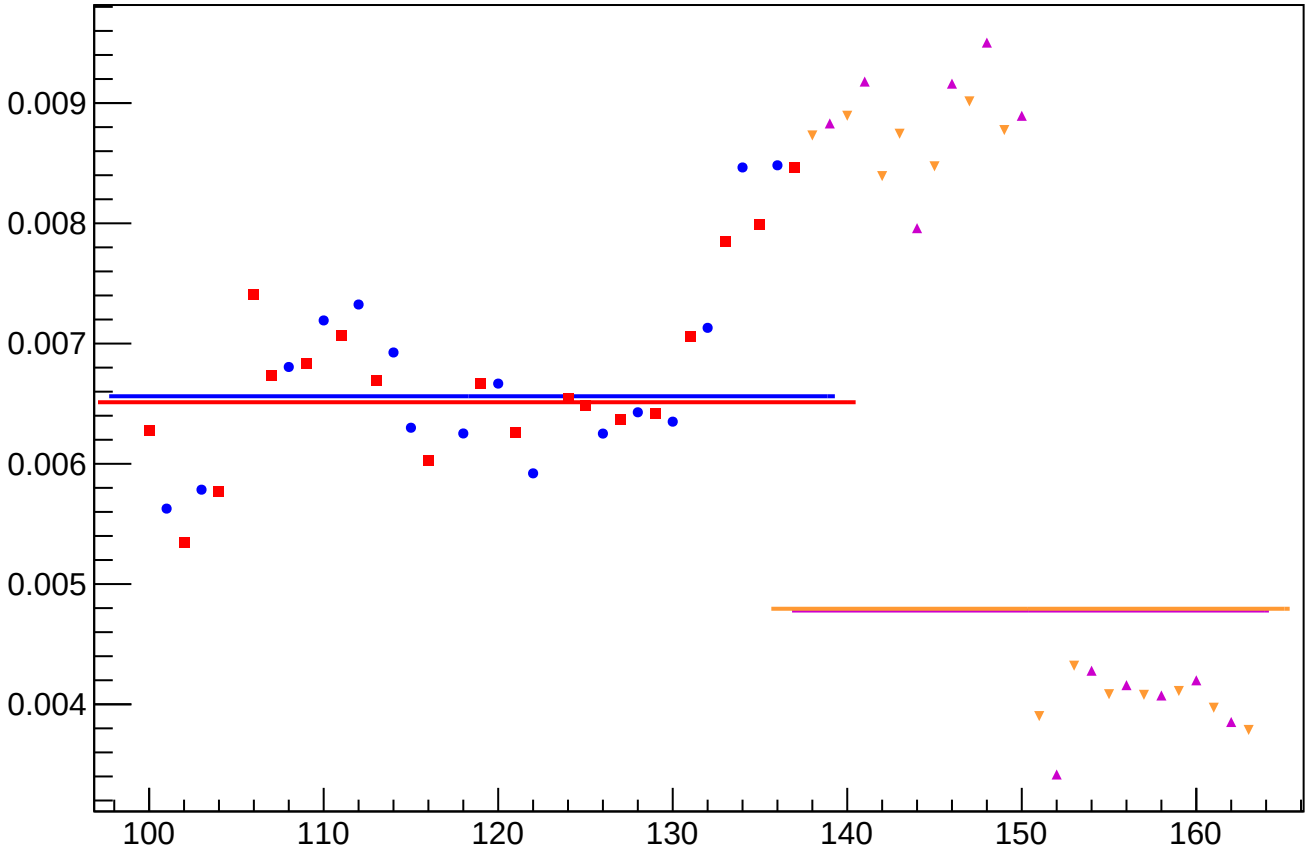
Left In: -1.917+/-0.000 χ^2/NDF:42344664786.4/11

+ sign -2.007+/-0.000 χ^2/NDF: 51918829736.0/29

All: -2.019+/-0.000 χ^2/NDF: 117557569878.1

- sign -2.032+/-0.000 χ^2/NDF: 65467950226.0/30

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:2520129.0/13

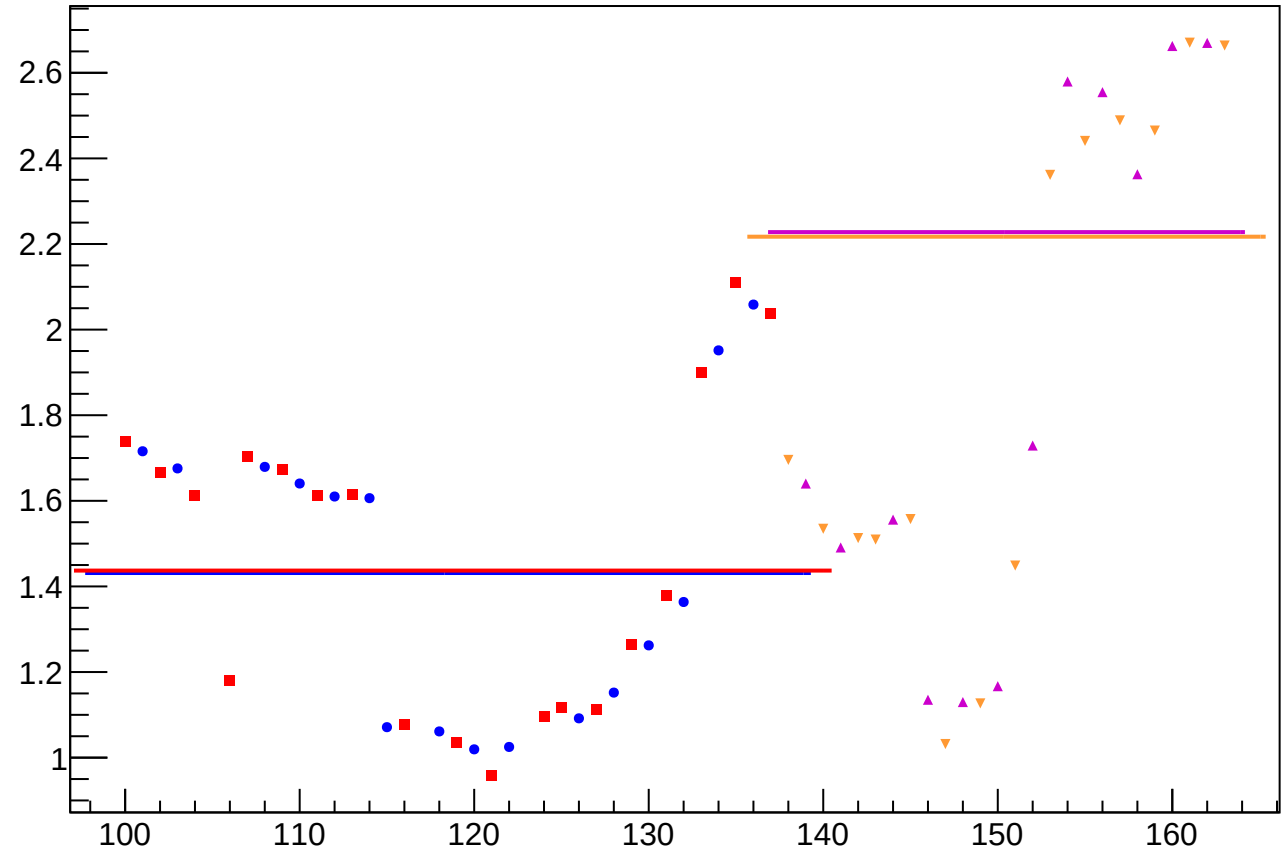
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2640567.5/11

+ sign 0.005+/-0.000 χ^2/NDF: 3464392.4/29

All: 0.005+/-0.000 χ^2/NDF: 6986559.2/60

- sign 0.005+/-0.000 χ^2/NDF: 3521915.0/30



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.217+/-0.000 χ^2/NDF:182305515490.8/13

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

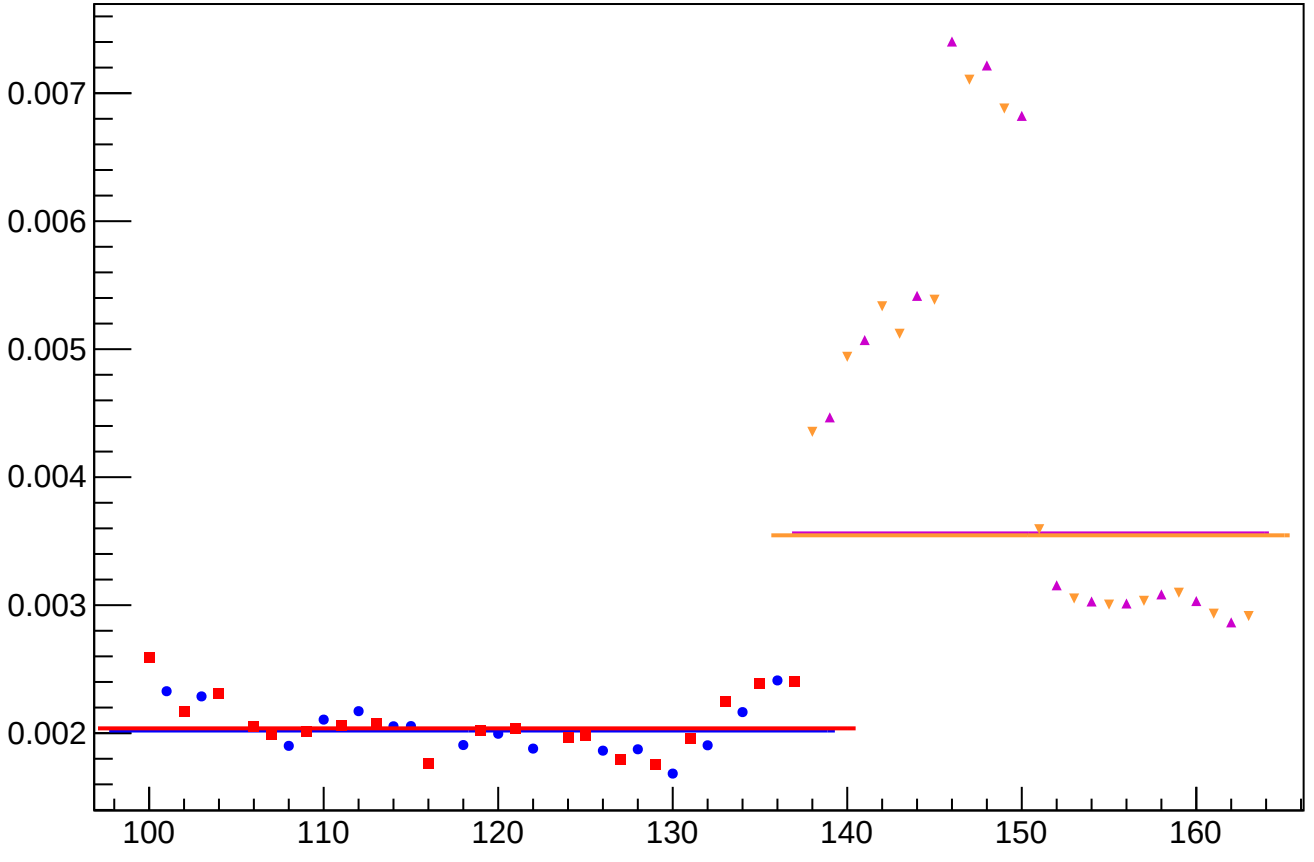
Left In: 2.228+/-0.000 χ^2/NDF:172587098106.7/11

+ sign 1.682+/-0.000 χ^2/NDF: 691967469984.0/29

All: 1.677+/-0.000 χ^2/NDF: 1348163924837.

- sign 1.671+/-0.000 χ^2/NDF: 656039905535.8/30

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:1552603.3/13

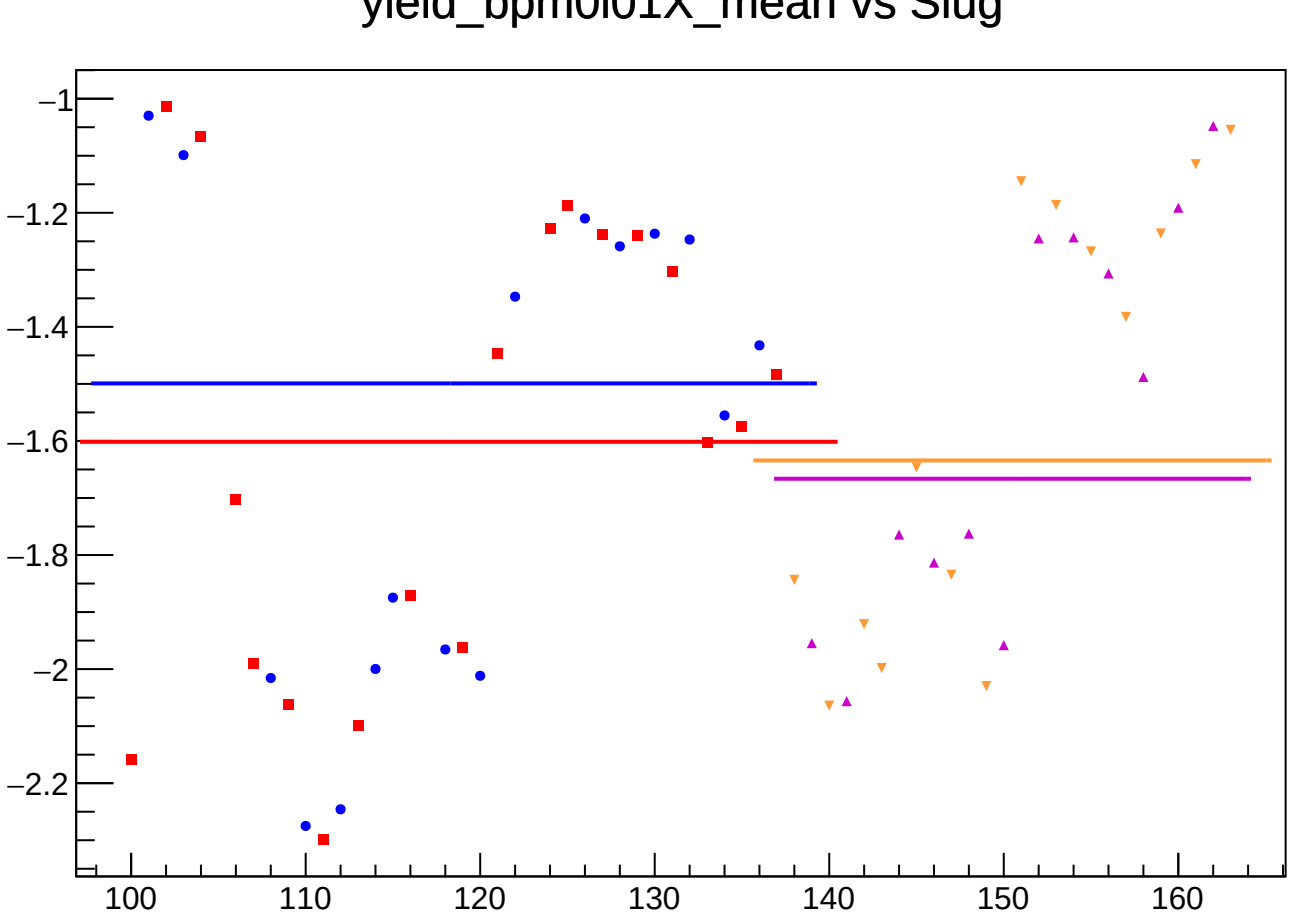
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1775687.5/11

+ sign 0.003+/-0.000 χ^2/NDF: 4122392.2/29

All: 0.002+/-0.000 χ^2/NDF: 8249265.6/60

- sign 0.002+/-0.000 χ^2/NDF: 4125930.1/30



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.634+/-0.000 χ^2/NDF:32563733886.5/13

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

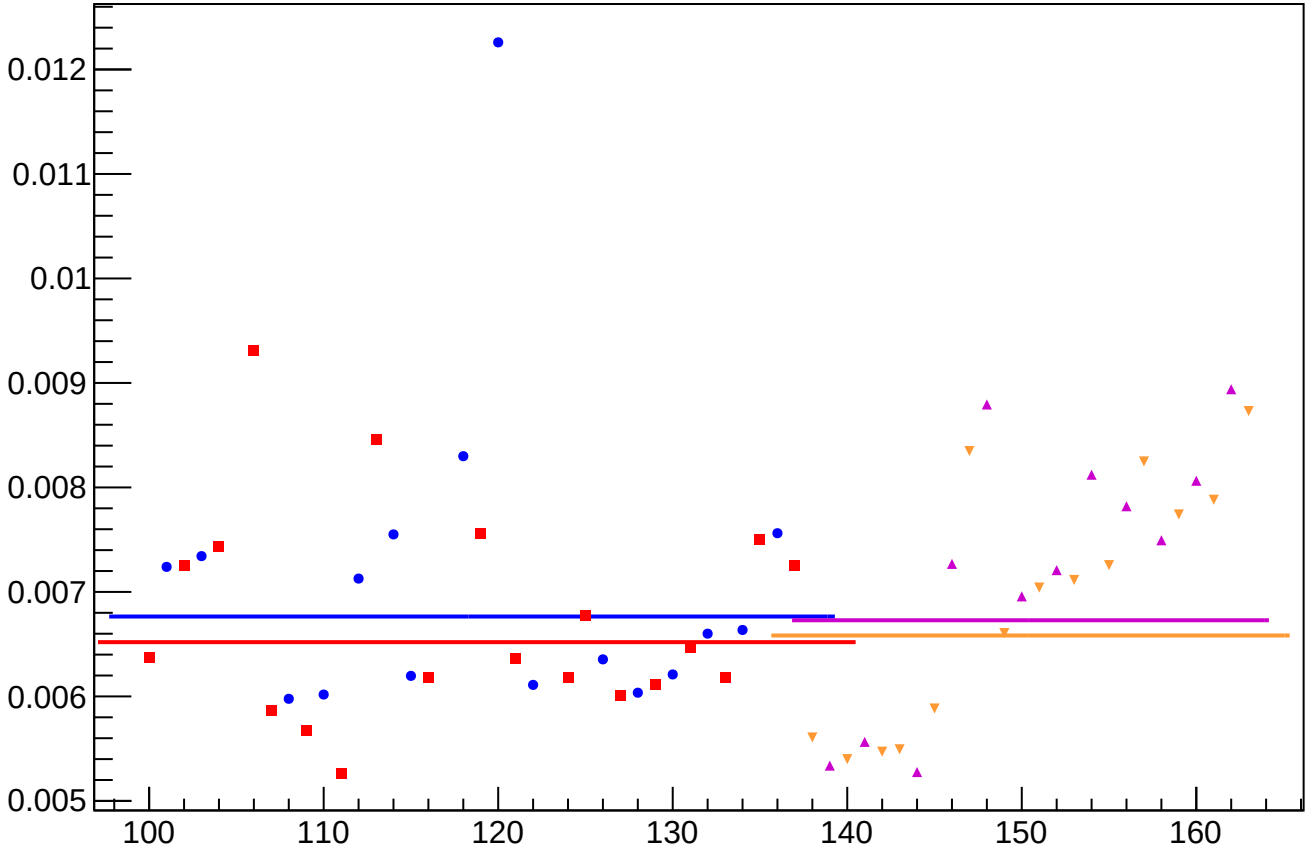
Left In: -1.666+/-0.000 χ^2/NDF:22109496810.0/11

+ sign -1.584+/-0.000 χ^2/NDF: 57108068411.4/29

All: -1.610+/-0.000 χ^2/NDF: 108469928053.5

- sign -1.638+/-0.000 χ^2/NDF: 50815027654.5/30

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:572062.7/13

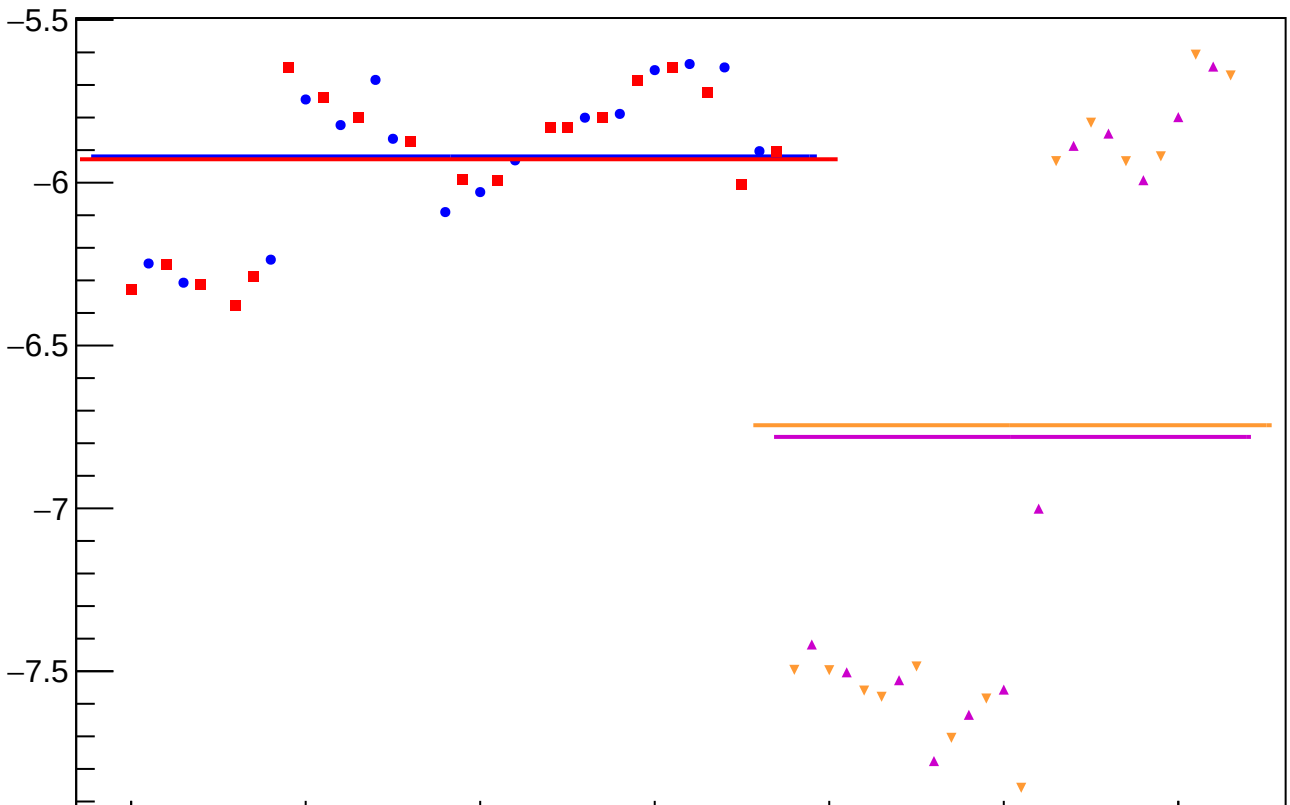
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:646645.6/11

+ sign 0.007+/-0.000 χ^2/NDF: 816457.7/29

All: 0.007+/-0.000 χ^2/NDF: 1716568.4/60

- sign 0.007+/-0.000 χ^2/NDF: 900028.1/30



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.745+/-0.000 χ^2/NDF:76890584365.0/13

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

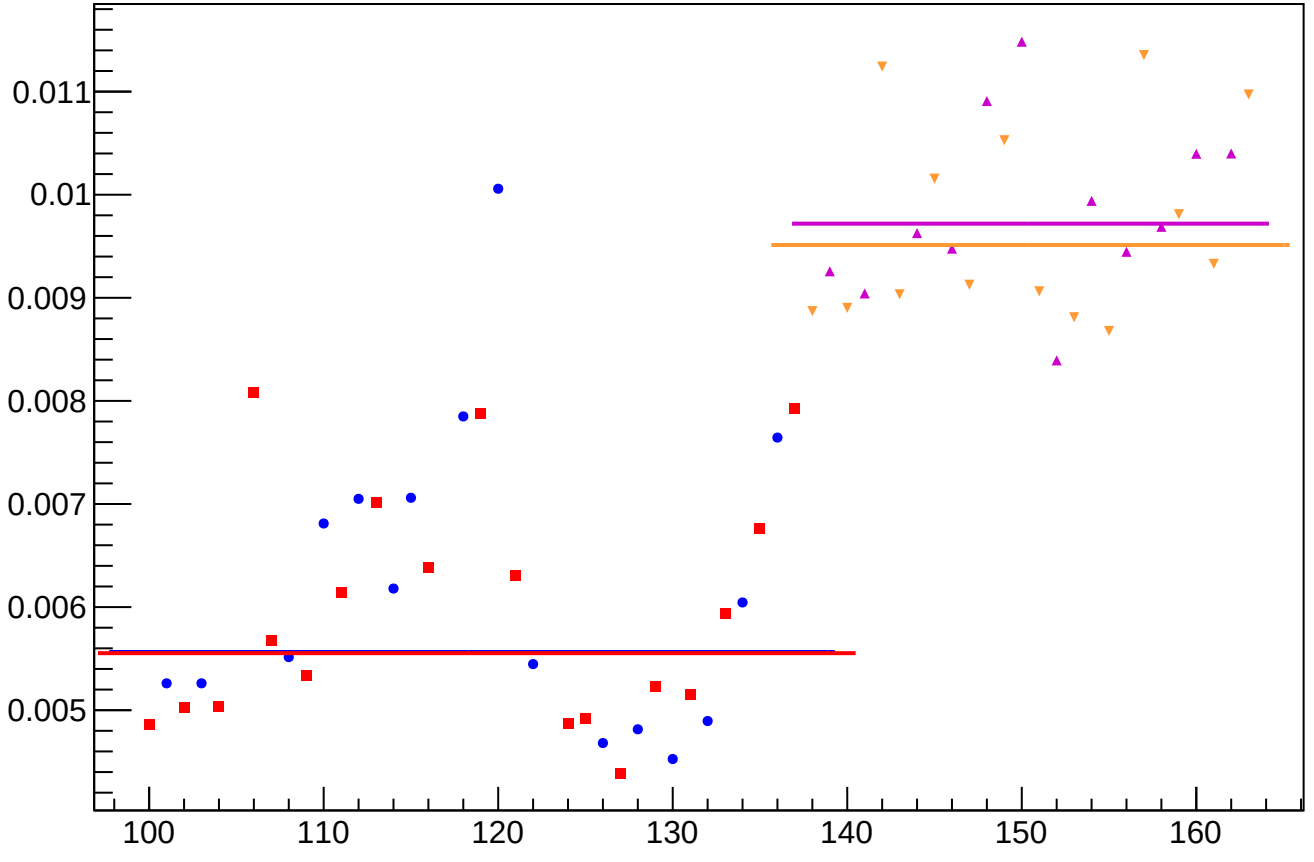
Left In: -6.781+/-0.000 χ^2/NDF:56490002735.7/11

+ sign -6.185+/-0.000 χ^2/NDF: 132009036791.9/29

All: -6.178+/-0.000 χ^2/NDF: 244685801963.0

- sign -6.170+/-0.000 χ^2/NDF: 112647223085.4/30

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:133818.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

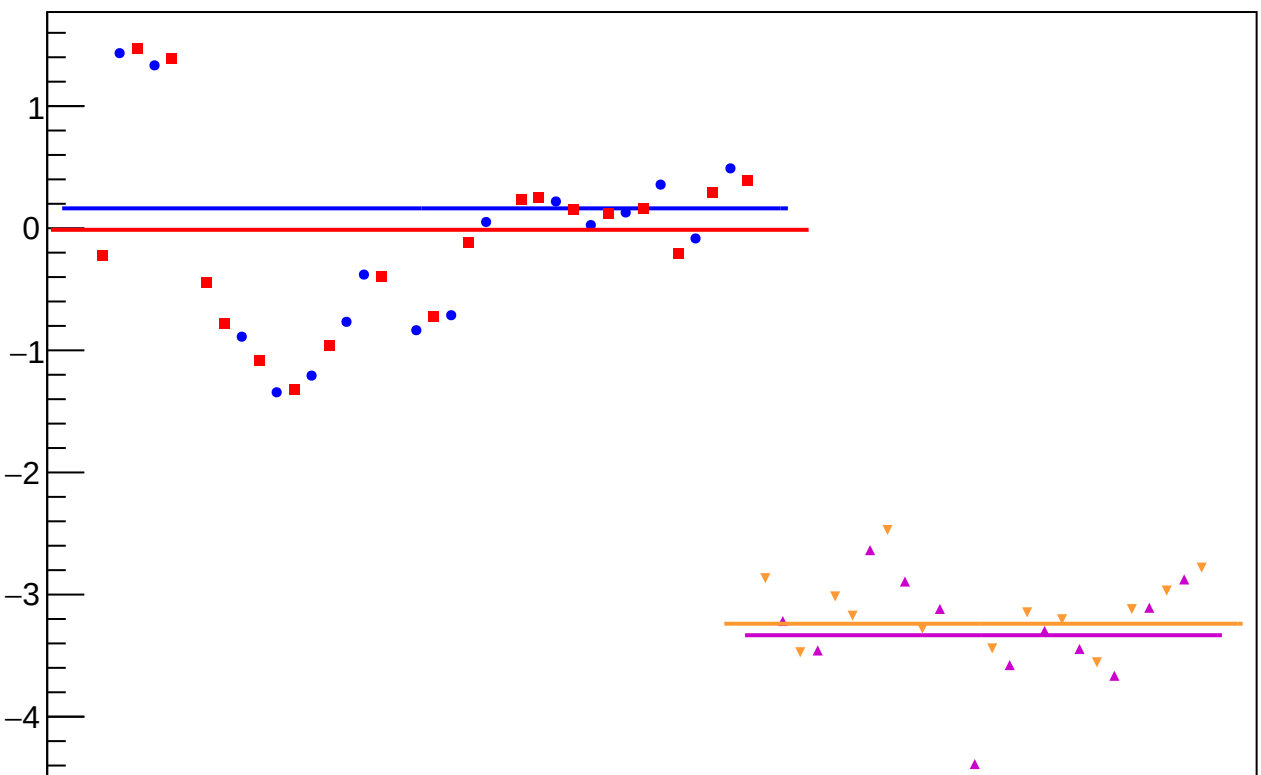
Left In: 0.010+/-0.000 χ^2/NDF:105849.4/11

+ sign 0.007+/-0.000 χ^2/NDF: 2614324.3/29

All: 0.007+/-0.000 χ^2/NDF: 5166043.7/60

- sign 0.007+/-0.000 χ^2/NDF: 2549038.9/30

yield_bpm0l02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.239+/-0.000 χ^2/NDF:7484069094.1/13

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

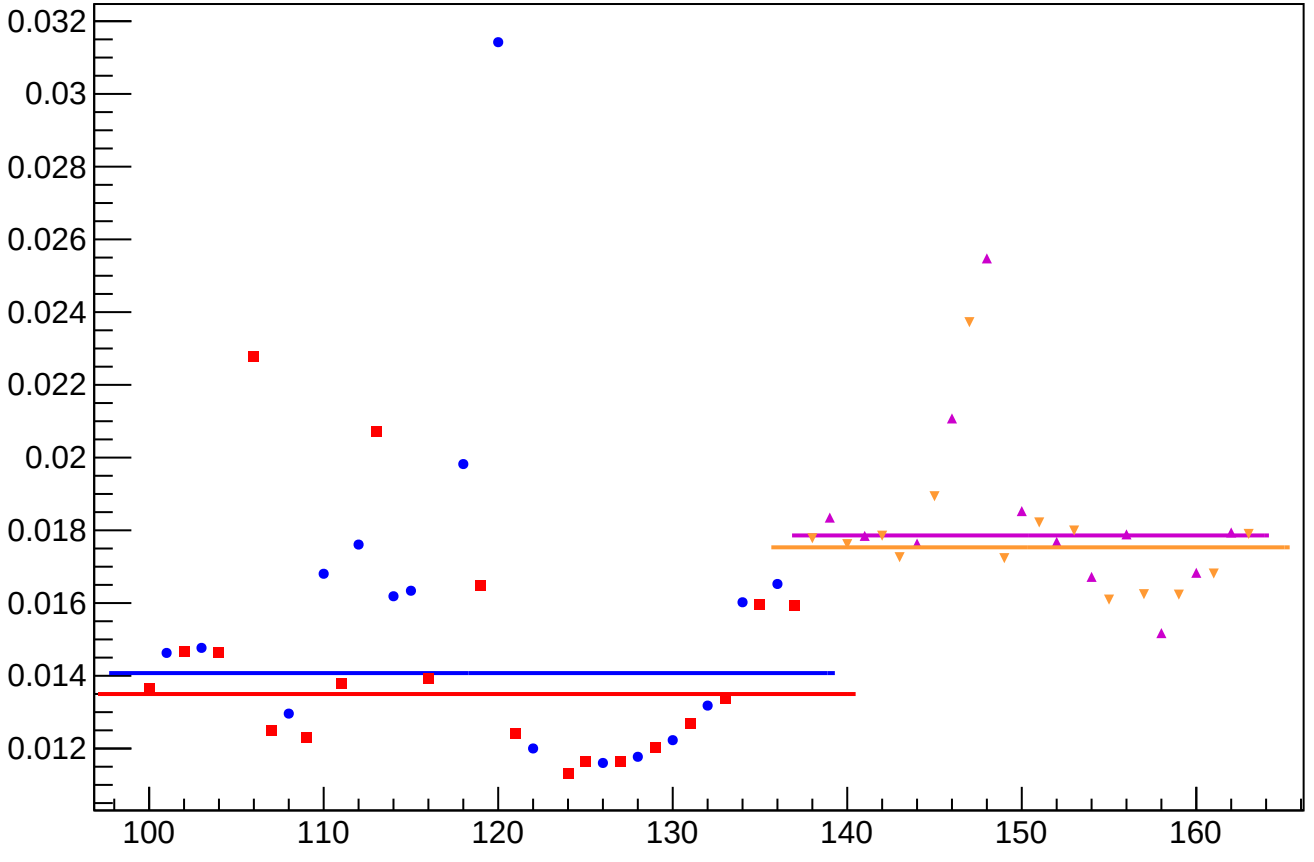
Left In: -3.333+/-0.000 χ^2/NDF:5786170698.3/11

+ sign -1.603+/-0.000 χ^2/NDF: 216641694647.2/29

All: -1.554+/-0.000 χ^2/NDF: 429571650130.4

- sign -1.506+/-0.000 χ^2/NDF: 212616629835.0/30

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:152367.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

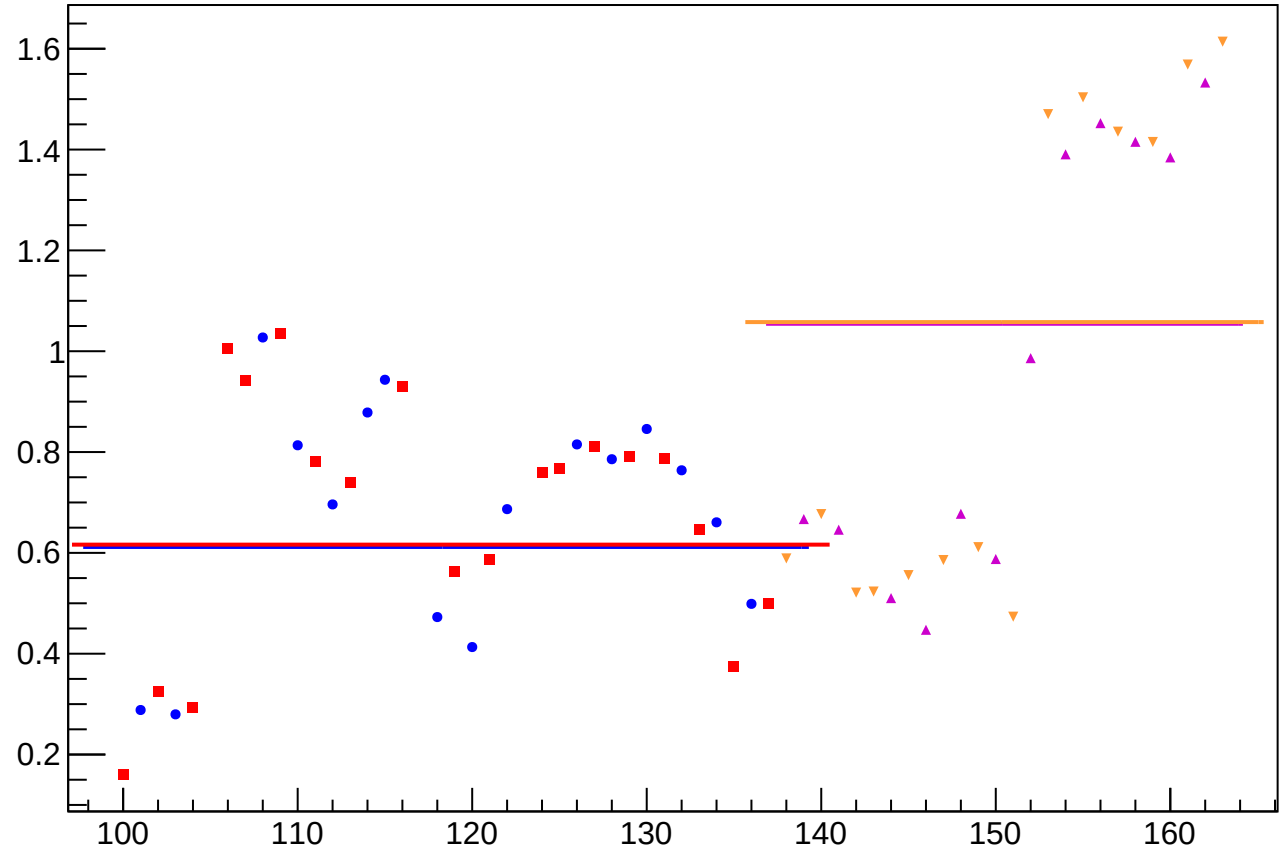
Left In: 0.018+/-0.000 χ^2/NDF:243042.7/11

+ sign 0.016+/-0.000 χ^2/NDF: 1013090.4/29

All: 0.016+/-0.000 χ^2/NDF: 2218320.6/60

- sign 0.015+/-0.000 χ^2/NDF: 1194019.3/30

yield_bpm0l02Y_mean vs Slug



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.058+/-0.000 χ^2/NDF:33018724604.0/13

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

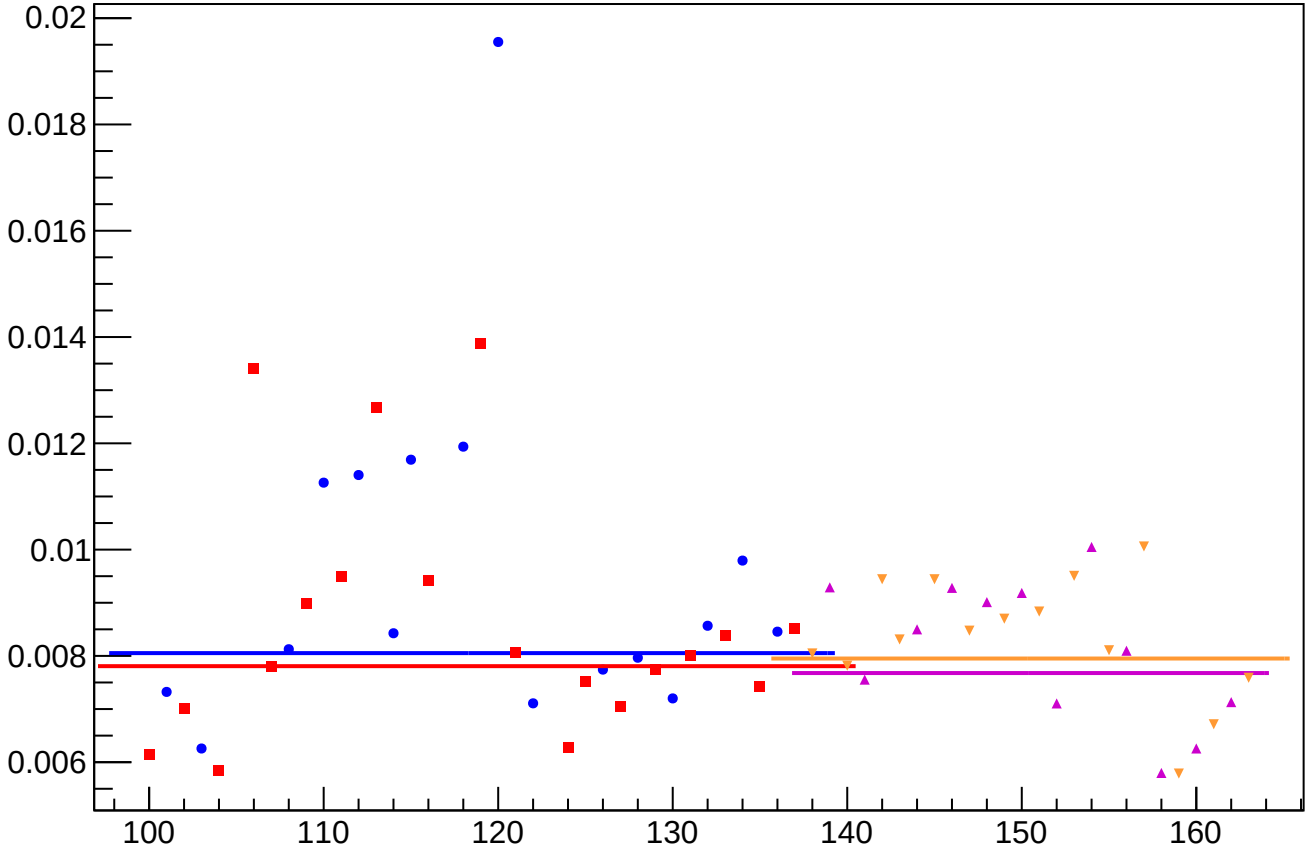
Left In: 1.054+/-0.000 χ^2/NDF:24490707290.7/11

+ sign 0.886+/-0.000 χ^2/NDF: 50229830959.3/29

All: 0.880+/-0.000 χ^2/NDF: 93067480310.1/6

- sign 0.875+/-0.000 χ^2/NDF: 42820565689.3/30

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:460707.4/13

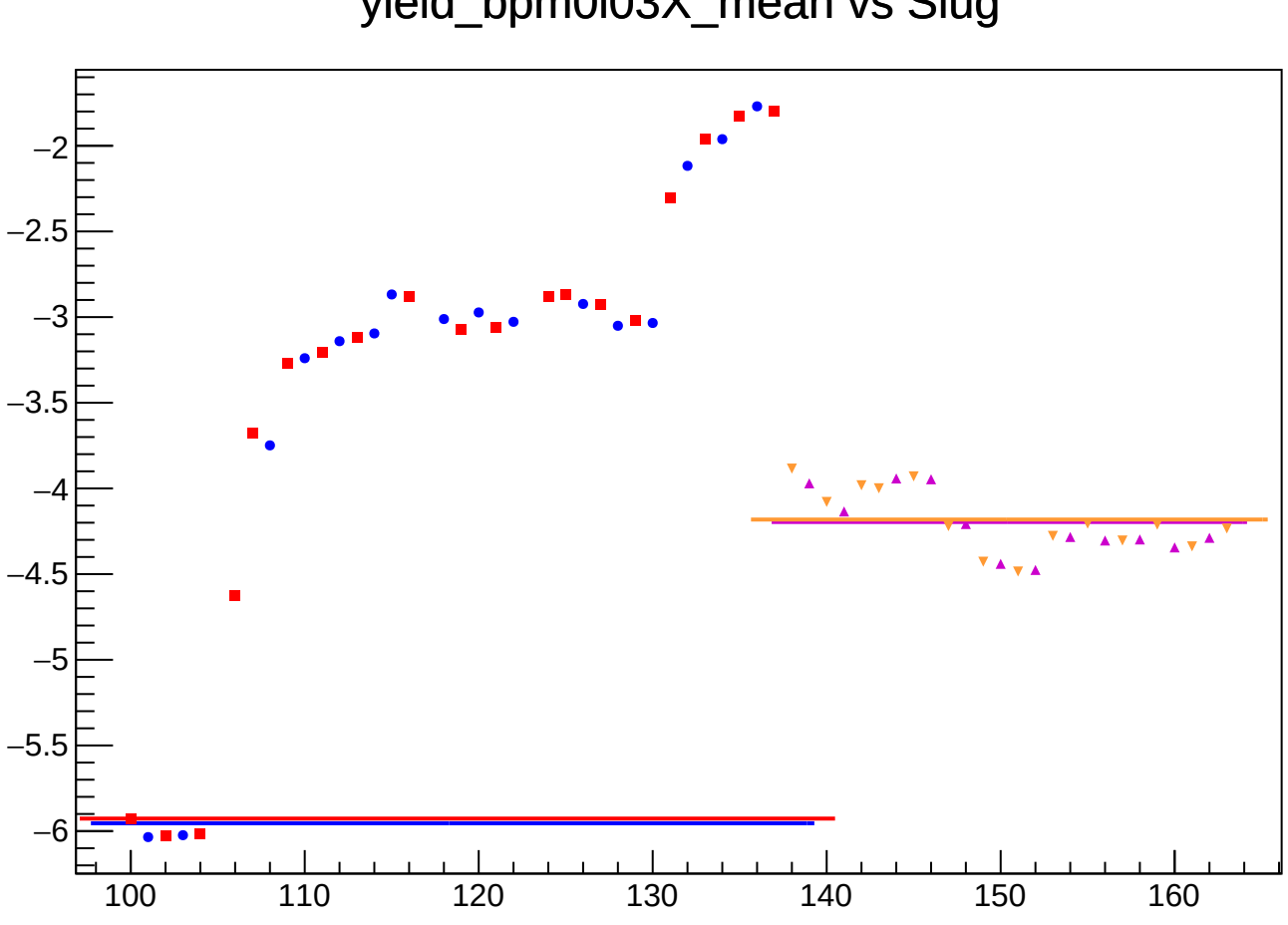
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:534736.9/11

+ sign 0.008+/-0.000 χ^2/NDF: 1060223.6/29

All: 0.008+/-0.000 χ^2/NDF: 2201070.5/60

- sign 0.008+/-0.000 χ^2/NDF: 1123976.5/30



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:52547474.4/13

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

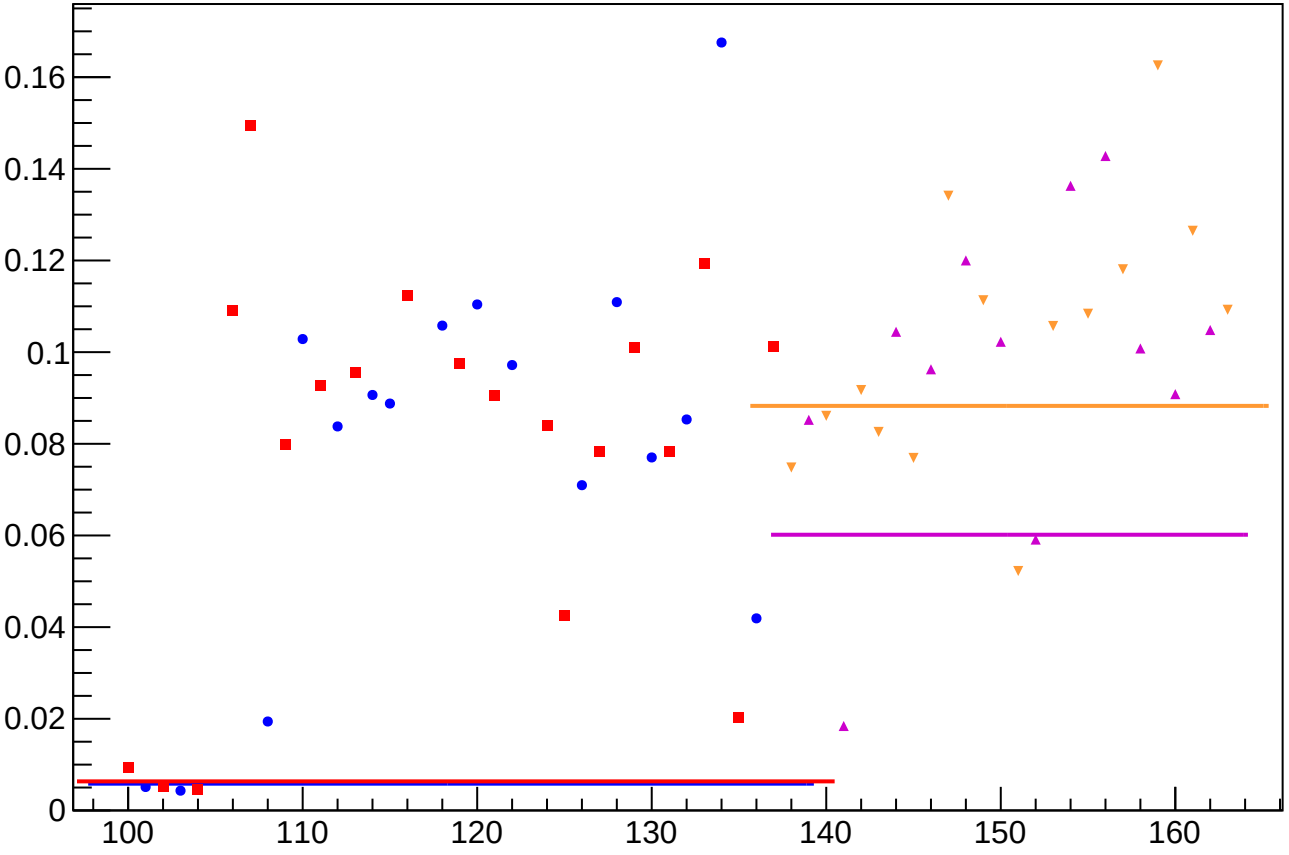
Left In: -4.196+/-0.000 χ^2/NDF:39835407.3/11

+ sign -5.916+/-0.000 χ^2/NDF: 16645396355.0/29

All: -5.894+/-0.000 χ^2/NDF: 35079078799.2/

- sign -5.867+/-0.000 χ^2/NDF: 18375781762.4/30

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.088+/-0.000 χ^2/NDF:1533707.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

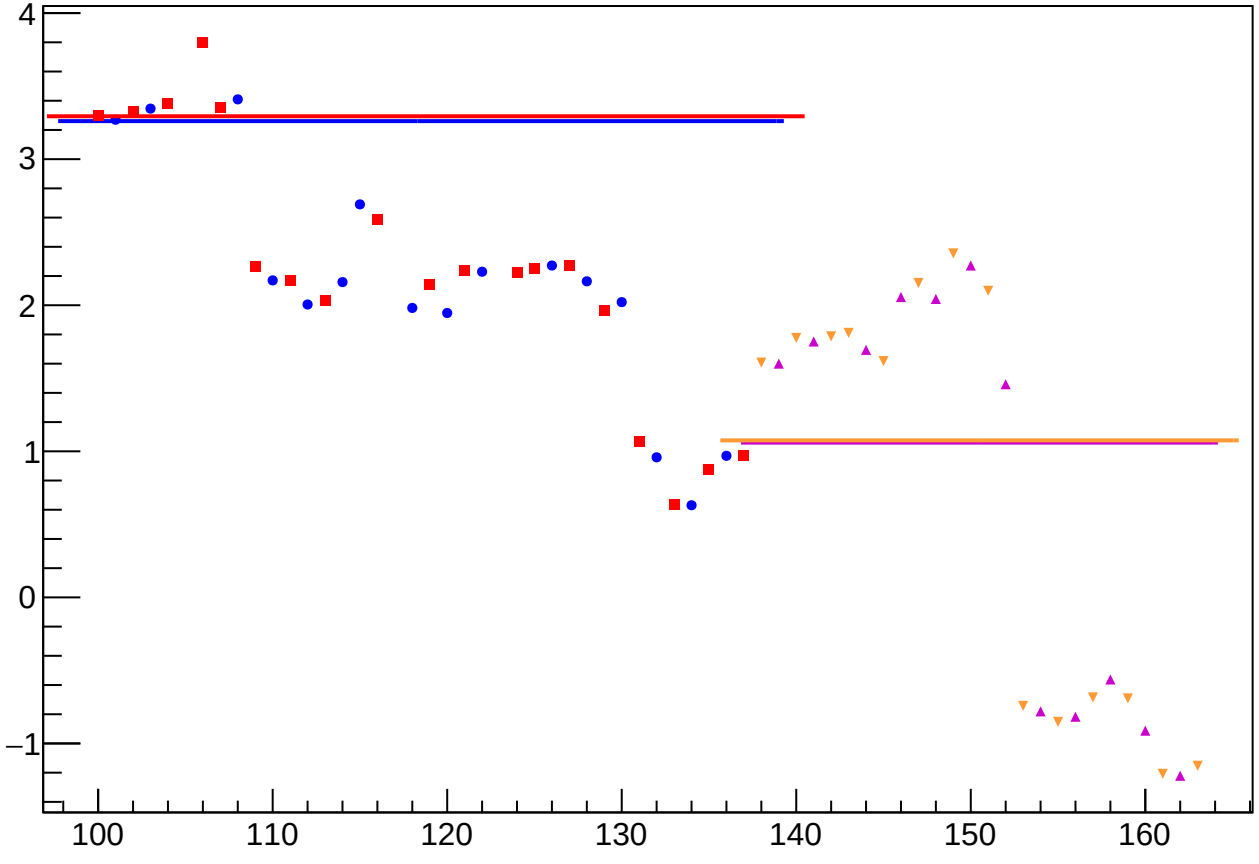
Left In: 0.060+/-0.000 χ^2/NDF:5183253.9/11

+ sign 0.008+/-0.000 χ^2/NDF: 25344822.5/29

All: 0.008+/-0.000 χ^2/NDF: 47826535.6/60

- sign 0.008+/-0.000 χ^2/NDF: 22464705.2/30

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.075+/-0.000 χ^2/NDF:1648325690.7/13

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

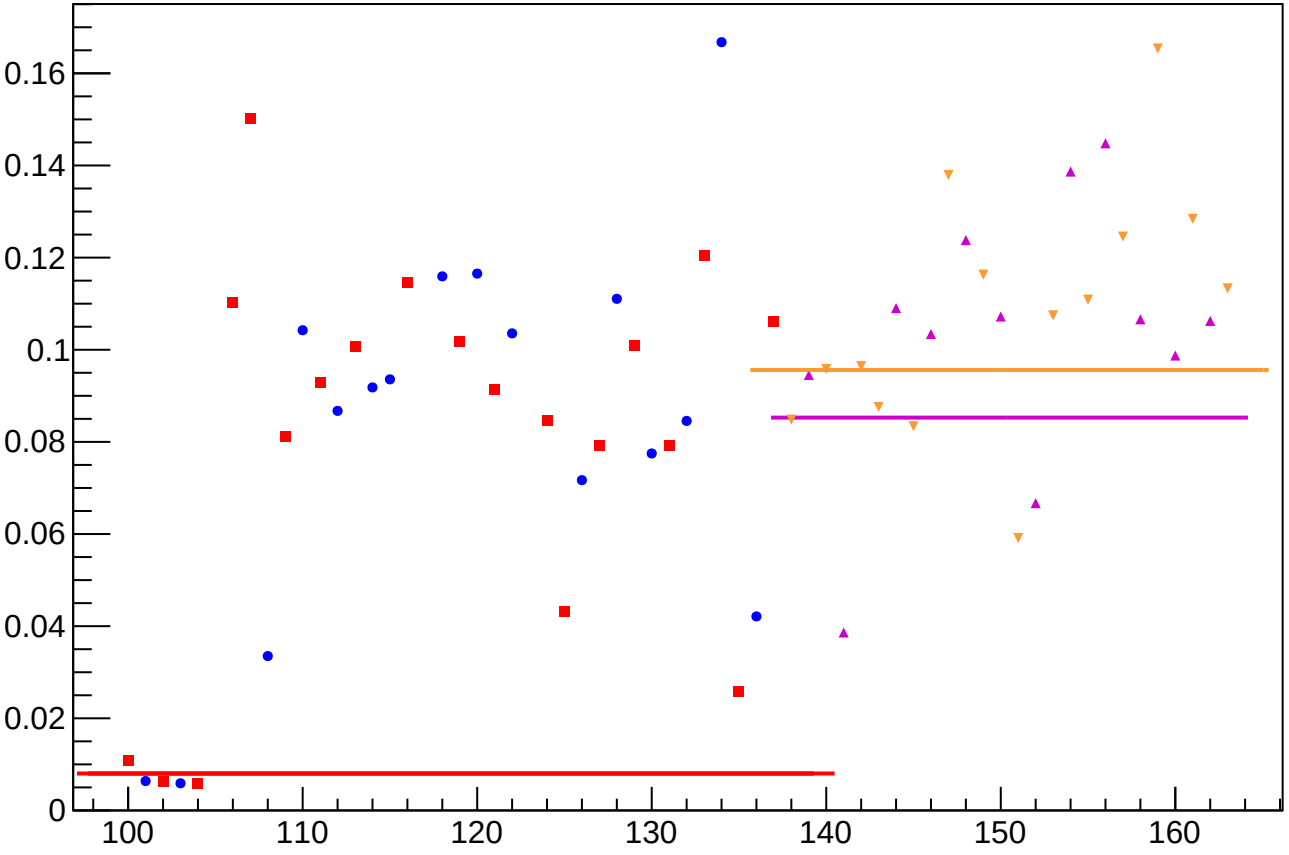
Left In: 1.060+/-0.000 χ^2/NDF:1426469646.1/11

+ sign 3.192+/-0.000 χ^2/NDF: 9270731584.3/29

All: 3.206+/-0.000 χ^2/NDF: 18797145064.2/6

- sign 3.220+/-0.000 χ^2/NDF: 9515022476.2/30

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1219552.8/13

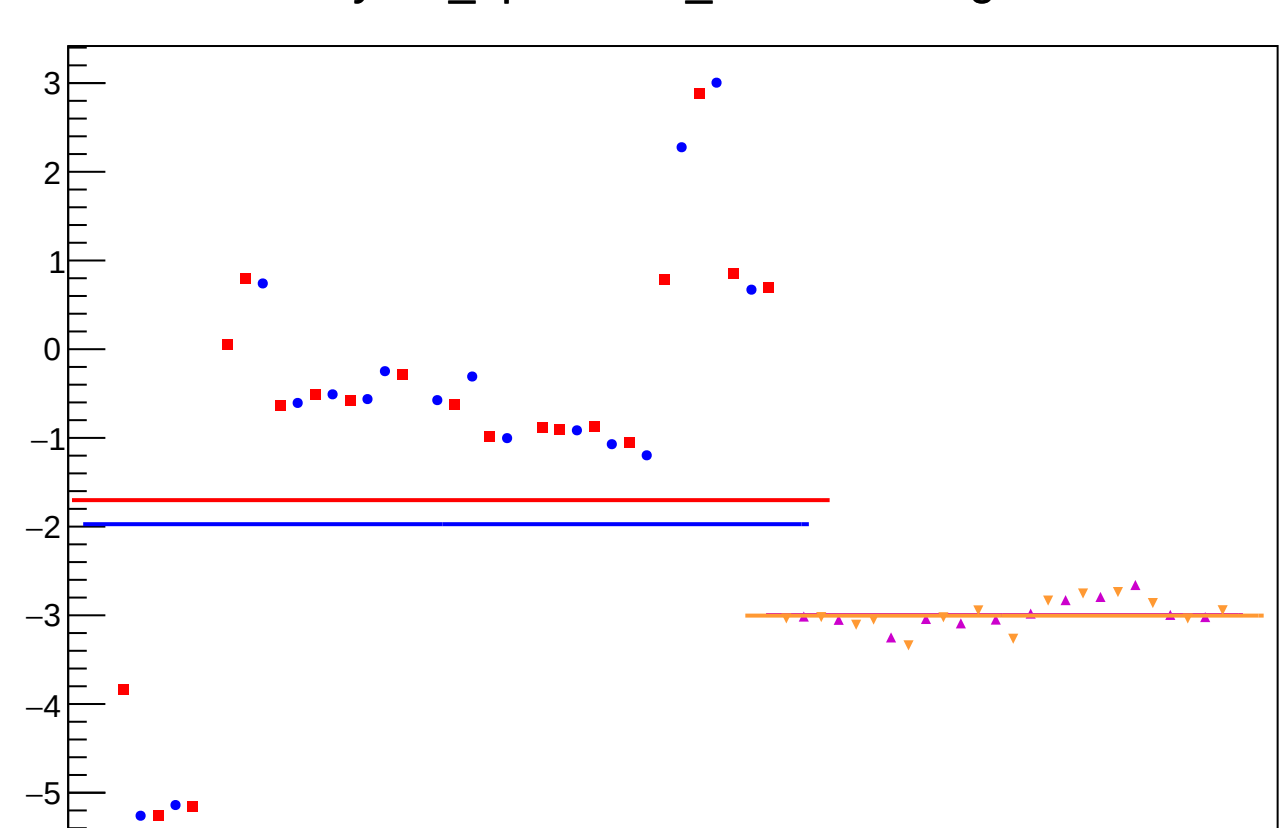
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.085+/-0.000 χ^2/NDF:2138417.0/11

+ sign 0.011+/-0.000 χ^2/NDF: 24446604.5/29

All: 0.011+/-0.000 χ^2/NDF: 46713310.0/60

- sign 0.011+/-0.000 χ^2/NDF: 22265847.6/30



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.003+/-0.000 χ^2/NDF:4233735468.5/13

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

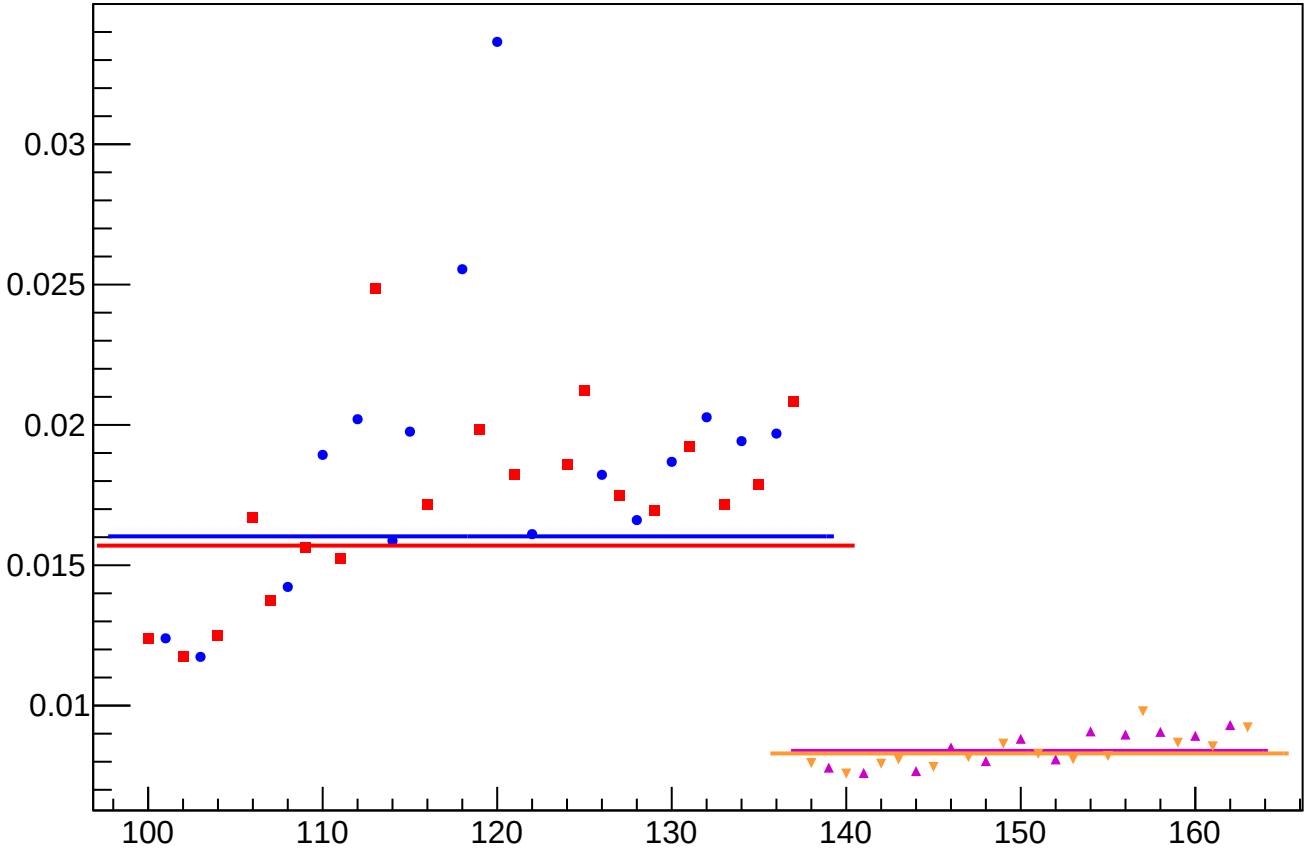
Left In: -2.997+/-0.000 χ^2/NDF:2981806992.0/11

+ sign -2.870+/-0.000 χ^2/NDF: 187168076528.2/29

All: -2.833+/-0.000 χ^2/NDF: 395326538254.2

- sign -2.793+/-0.000 χ^2/NDF: 207650391315.0/30

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:86050.0/13

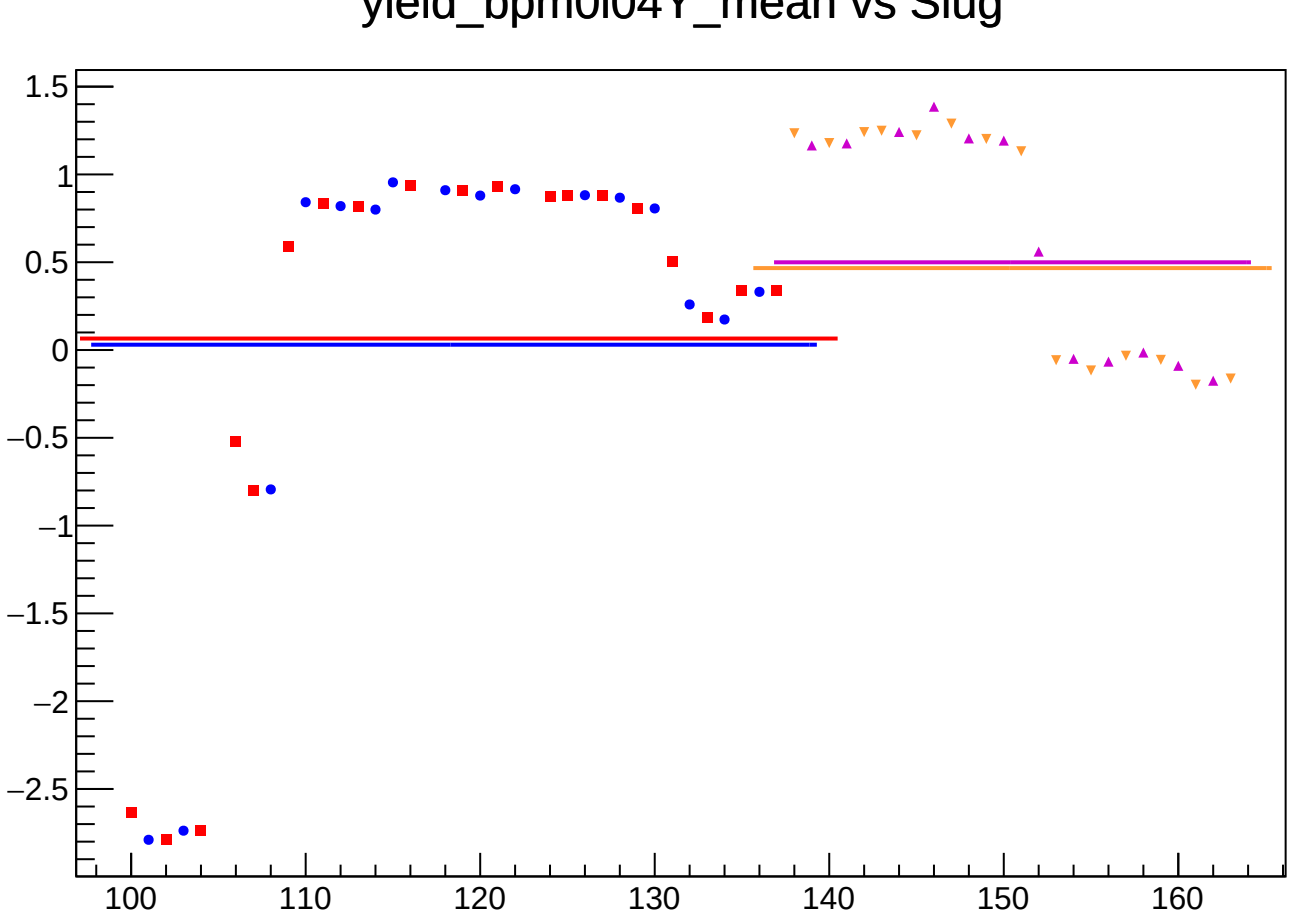
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:98725.6/11

+ sign 0.009+/-0.000 χ^2/NDF: 3182869.7/29

All: 0.009+/-0.000 χ^2/NDF: 6126237.9/60

- sign 0.010+/-0.000 χ^2/NDF: 2933307.4/30



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.467+/-0.000 χ^2/NDF:80000819547.0/13

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

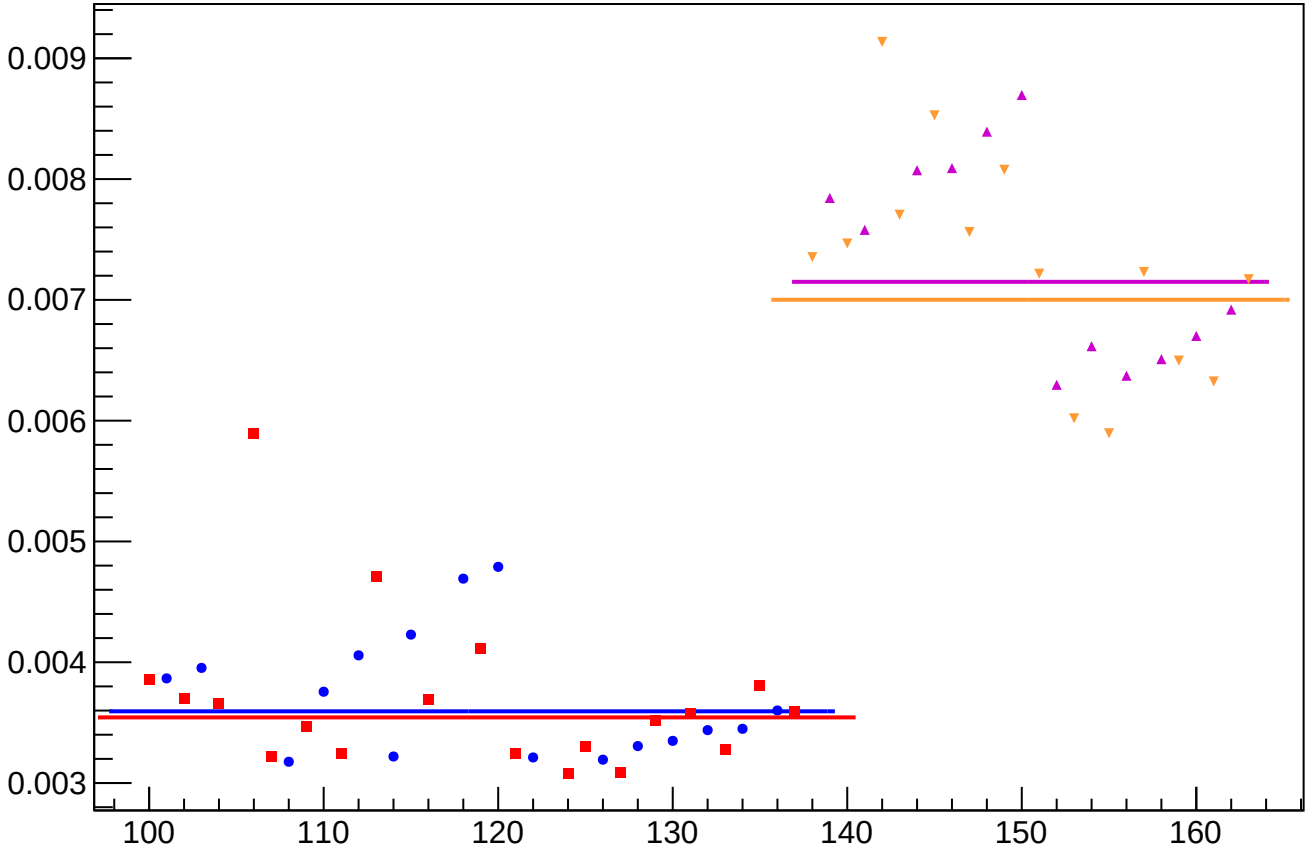
Left In: 0.500+/-0.000 χ^2/NDF:62335129328.9/11

+ sign 0.145+/-0.000 χ^2/NDF: 957745905191.1/29

All: 0.155+/-0.000 χ^2/NDF: 1979843819257.

- sign 0.165+/-0.000 χ^2/NDF: 1021958058702.0/30

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:249401.0/13

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

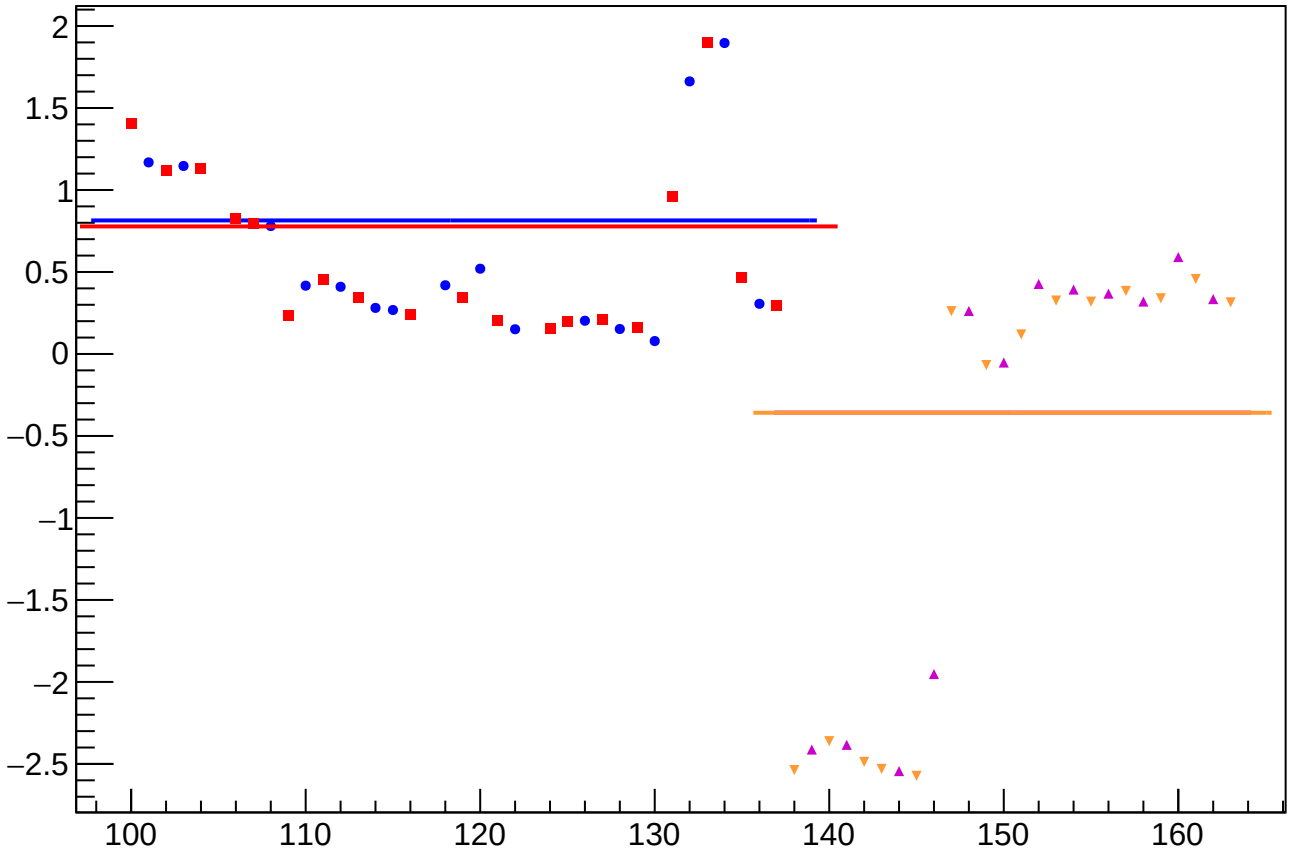
Left In: 0.007+/-0.000 χ^2/NDF:209338.2/11

+ sign 0.004+/-0.000 χ^2/NDF: 3609144.7/29

All: 0.004+/-0.000 χ^2/NDF: 7383709.3/60

- sign 0.004+/-0.000 χ^2/NDF: 3764129.4/30

yield_bpm0l05X_mean vs Slug



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.358+/-0.000 χ^2/NDF:347742263442.6/13

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

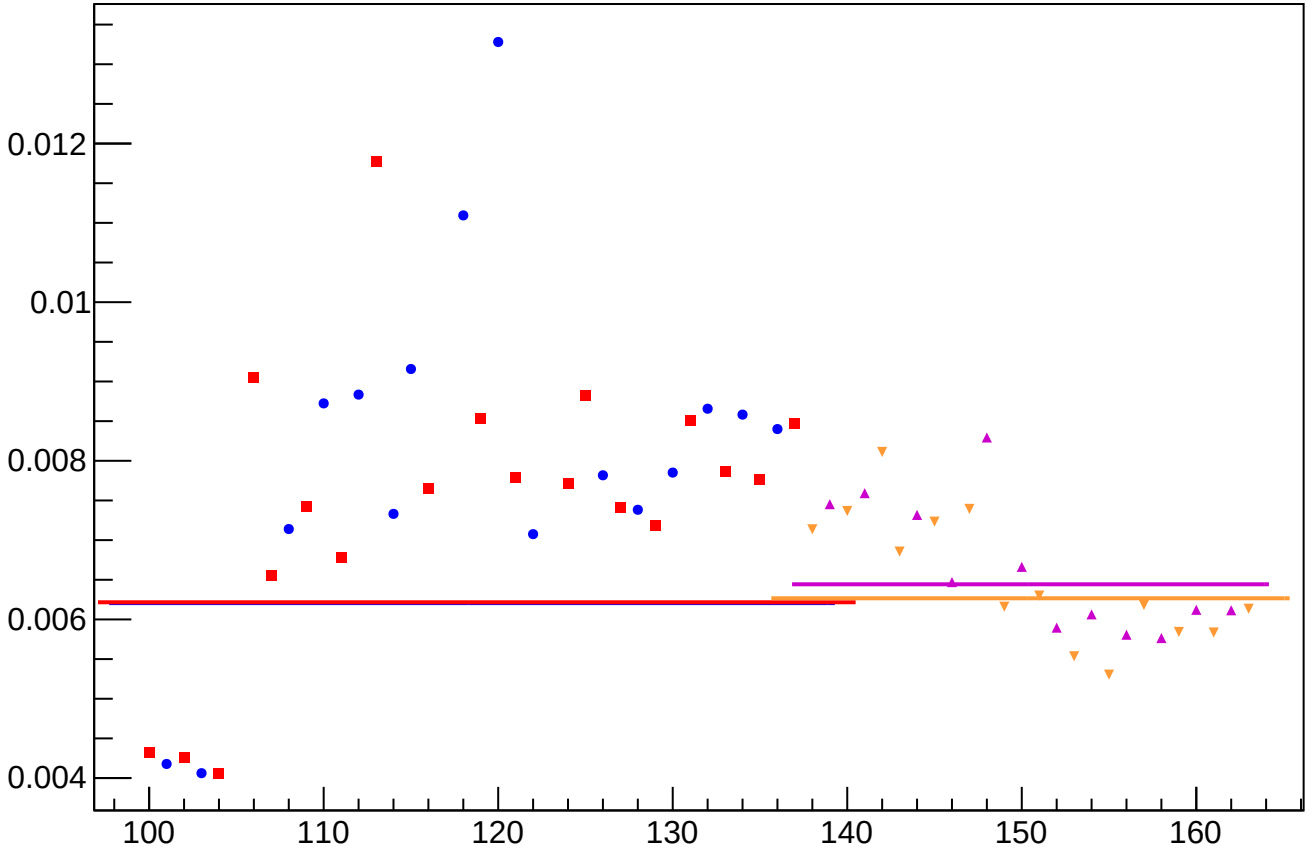
Left In: -0.358+/-0.000 χ^2/NDF:308052749896.5/11

+ sign 0.070+/-0.000 χ^2/NDF: 509154404047.9/29

All: 0.090+/-0.000 χ^2/NDF: 969973120991.7

- sign 0.110+/-0.000 χ^2/NDF: 460505123428.5/30

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:254271.7/13

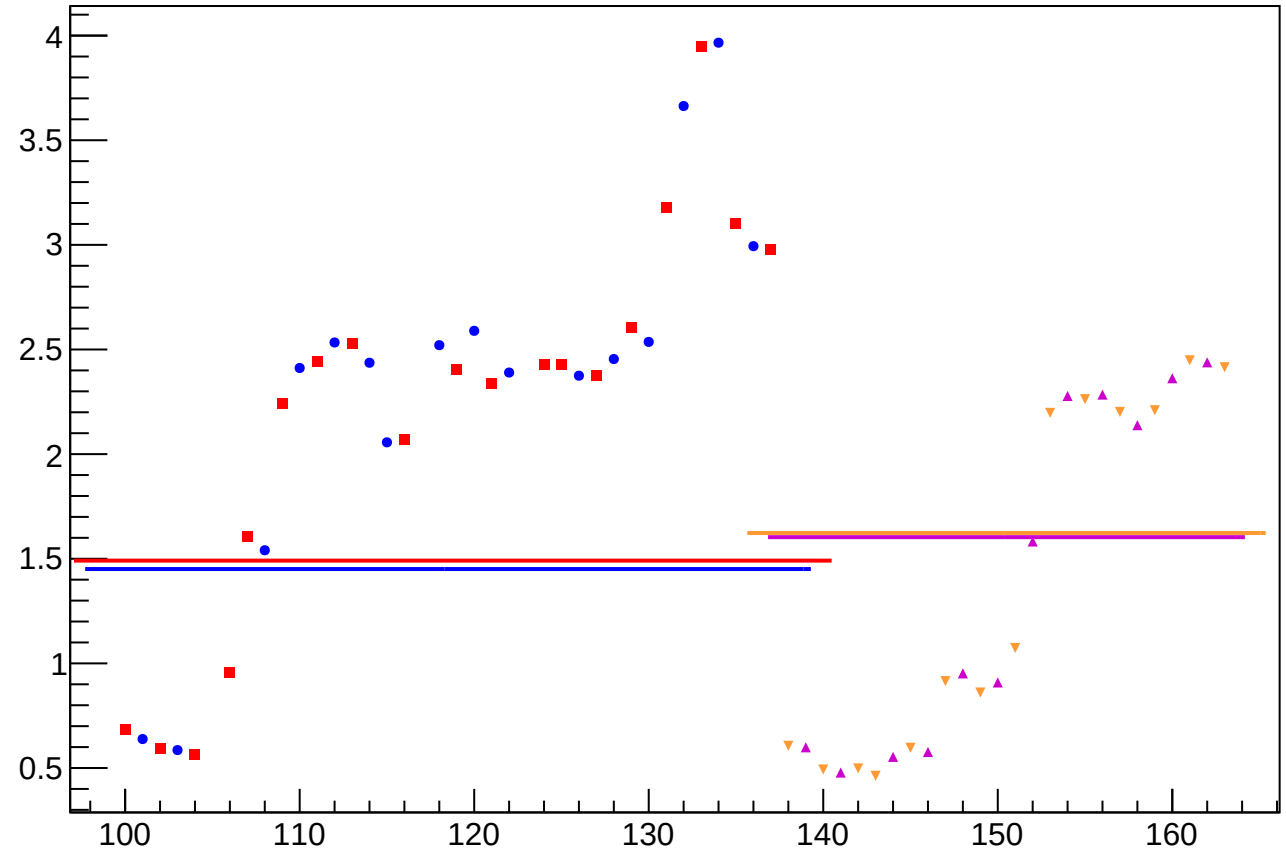
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:229995.0/11

+ sign 0.006+/-0.000 χ^2/NDF: 1678830.1/29

All: 0.006+/-0.000 χ^2/NDF: 3083628.2/60

- sign 0.006+/-0.000 χ^2/NDF: 1400520.0/30



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.623+/-0.000 χ^2/NDF:154799155528.8/13

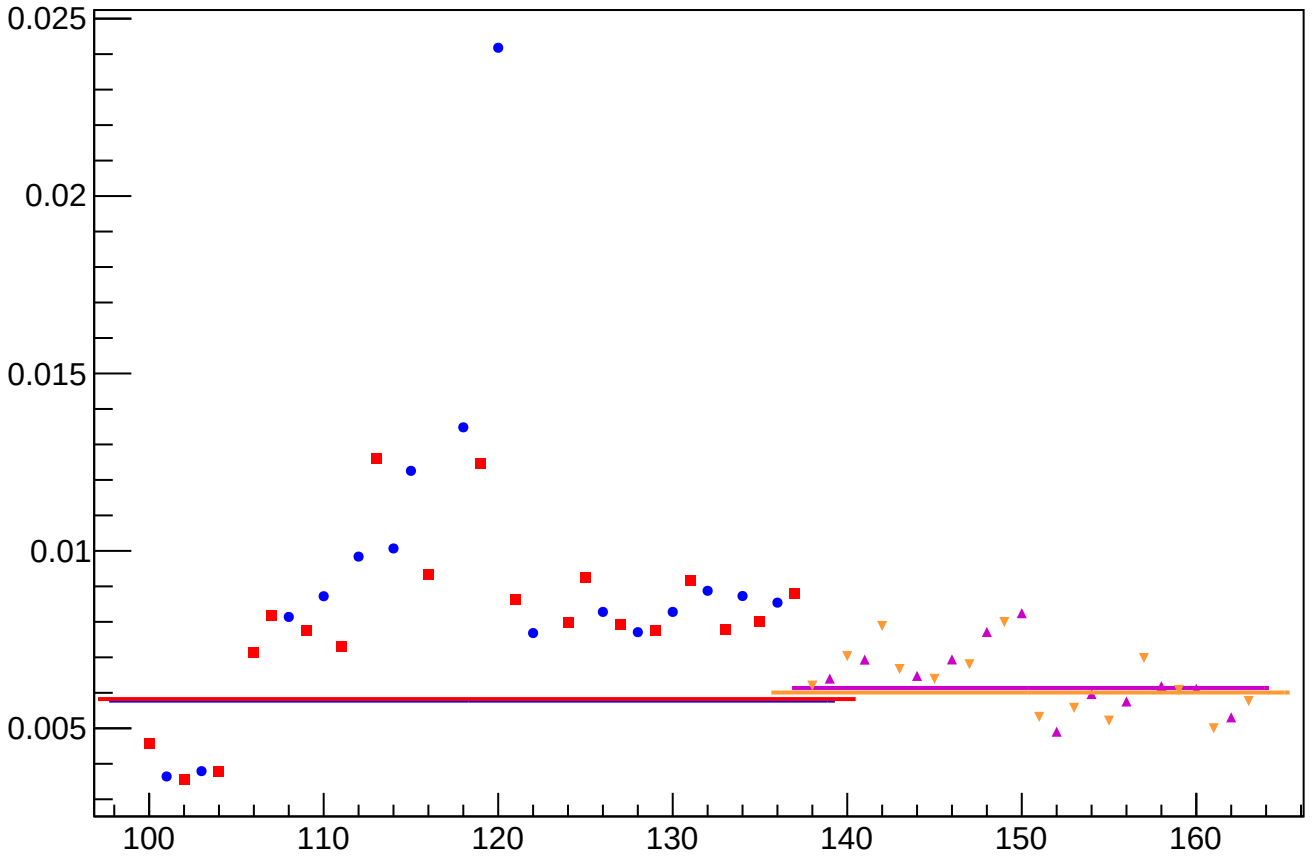
Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.603+/-0.000 χ^2/NDF:128163780995.5/11

+ sign 1.558+/-0.000 χ^2/NDF: 327189104863.3/29

All: 1.556+/-0.000 χ^2/NDF: 643465763272.1

- sign 1.555+/-0.000 χ^2/NDF: 316275638115.3/30



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:326963.8/13

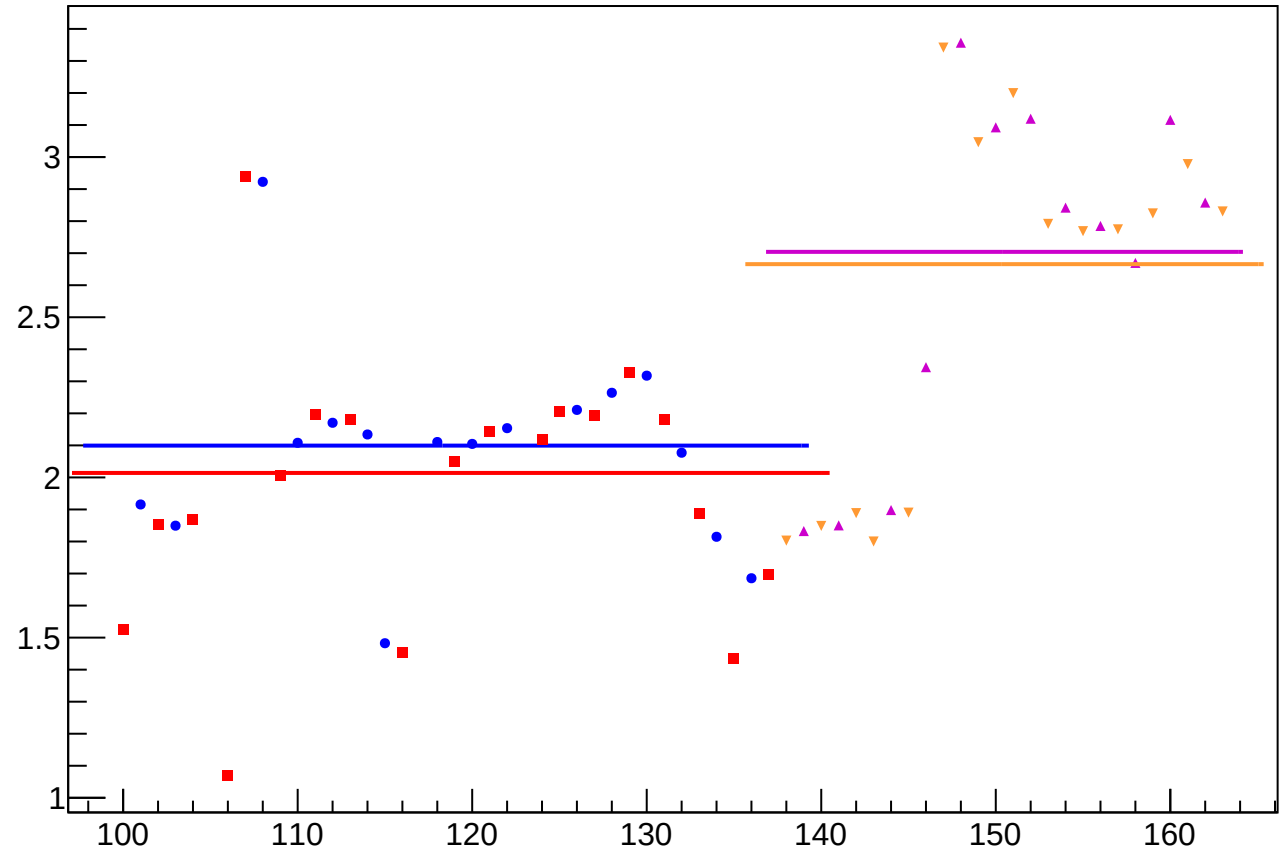
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:318668.0/11

+ sign 0.006+/-0.000 χ^2/NDF: 2550534.5/29

All: 0.006+/-0.000 χ^2/NDF: 4845653.7/60

- sign 0.006+/-0.000 χ^2/NDF: 2292572.7/30



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.666+/-0.000 χ^2/NDF:42816761084.3/13

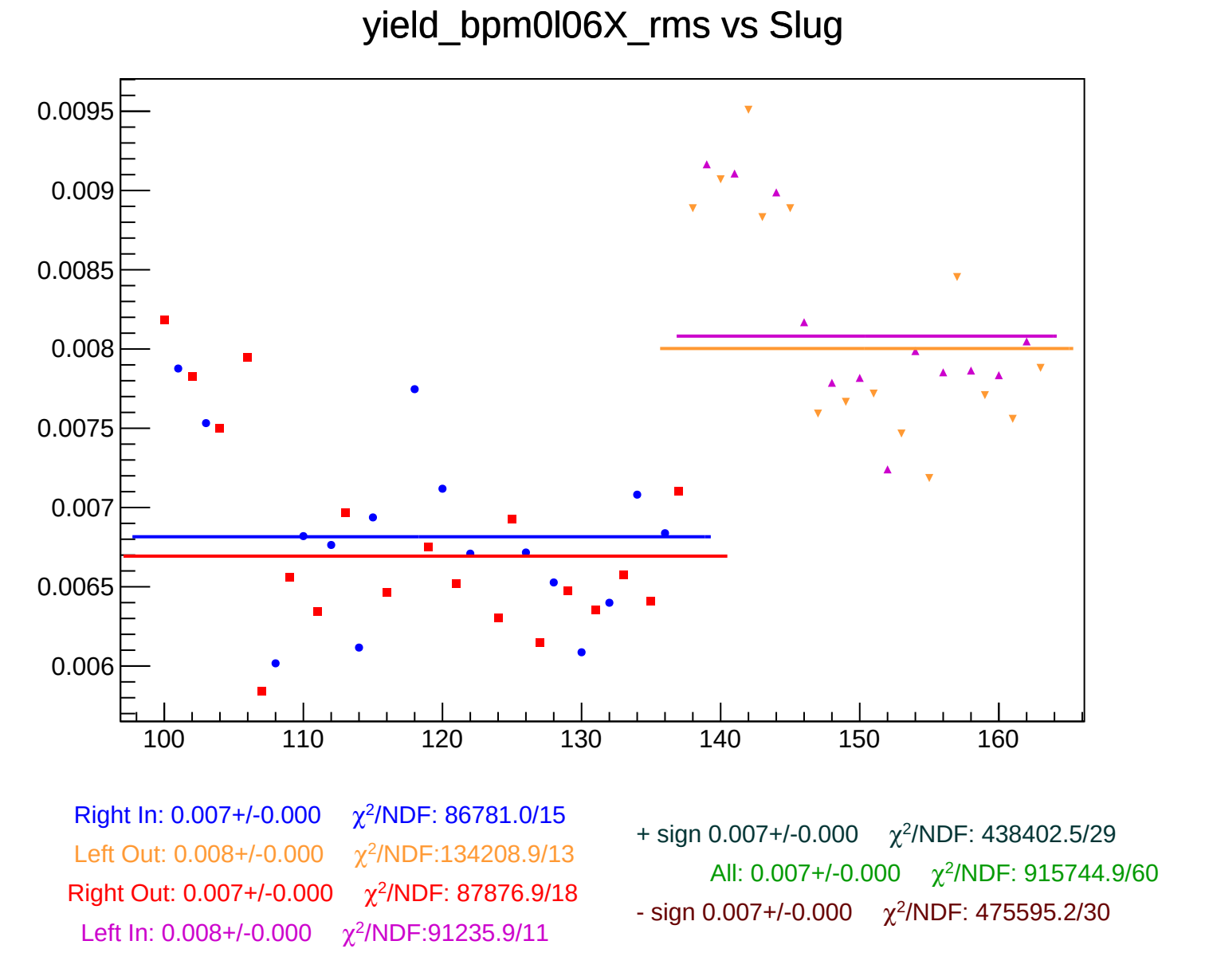
Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

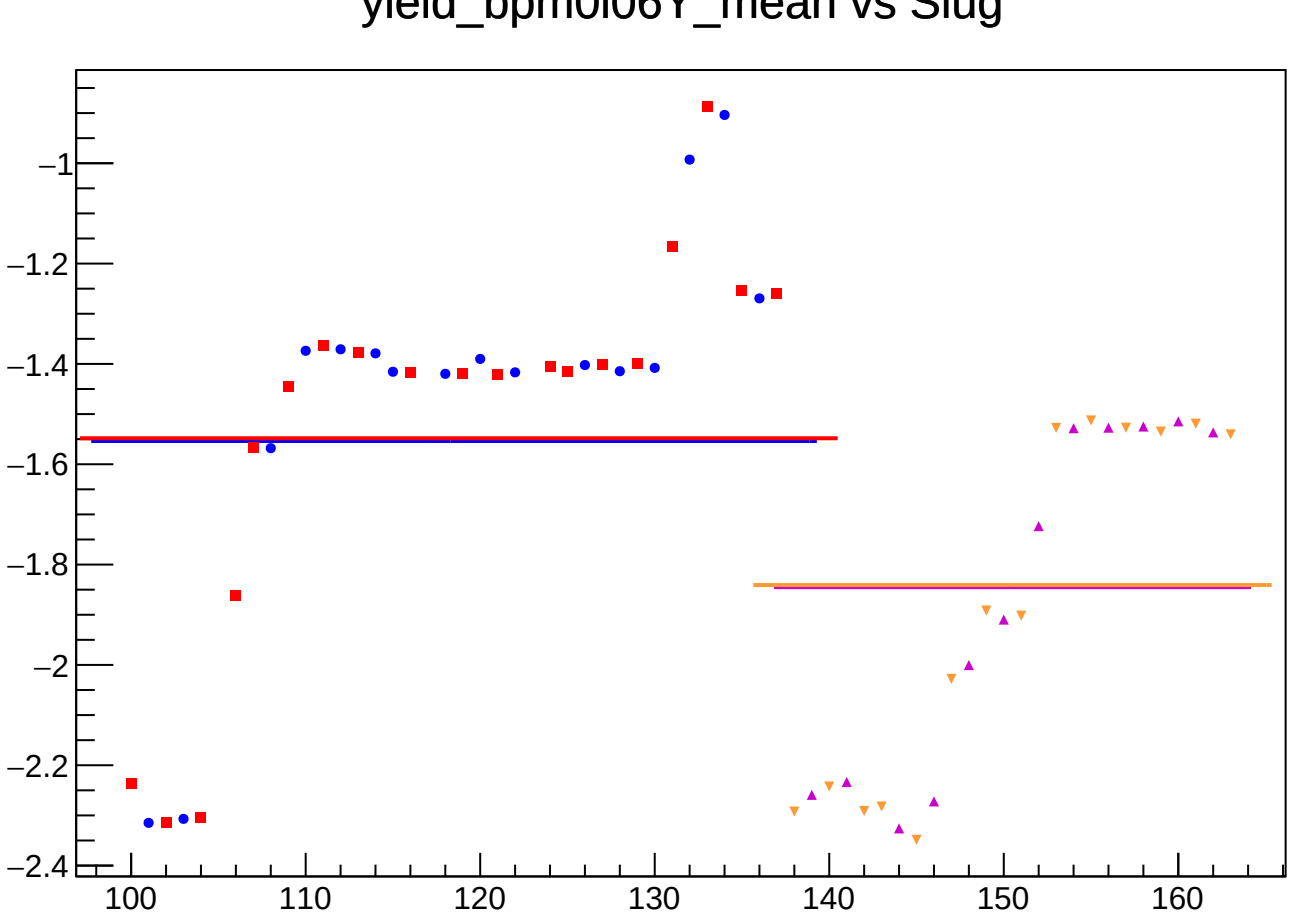
Left In: 2.704+/-0.000 χ^2/NDF:36043339223.5/11

+ sign 2.396+/-0.000 χ^2/NDF: 81473486786.4/29

All: 2.372+/-0.000 χ^2/NDF: 174143998700.2

- sign 2.347+/-0.000 χ^2/NDF: 92294761792.9/30


yield_bpm0l06X_rms vs Slug
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 86781.0/15
Left Out: 0.008+/-0.000 χ²/NDF:134208.9/13
Right Out: 0.007+/-0.000 χ²/NDF: 87876.9/18
Left In: 0.008+/-0.000 χ²/NDF:91235.9/11
+ sign 0.007+/-0.000 χ²/NDF: 438402.5/29
All: 0.007+/-0.000 χ²/NDF: 915744.9/60
- sign 0.007+/-0.000 χ²/NDF: 475595.2/30



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.841+/-0.000 χ^2/NDF:116961323053.2/13

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

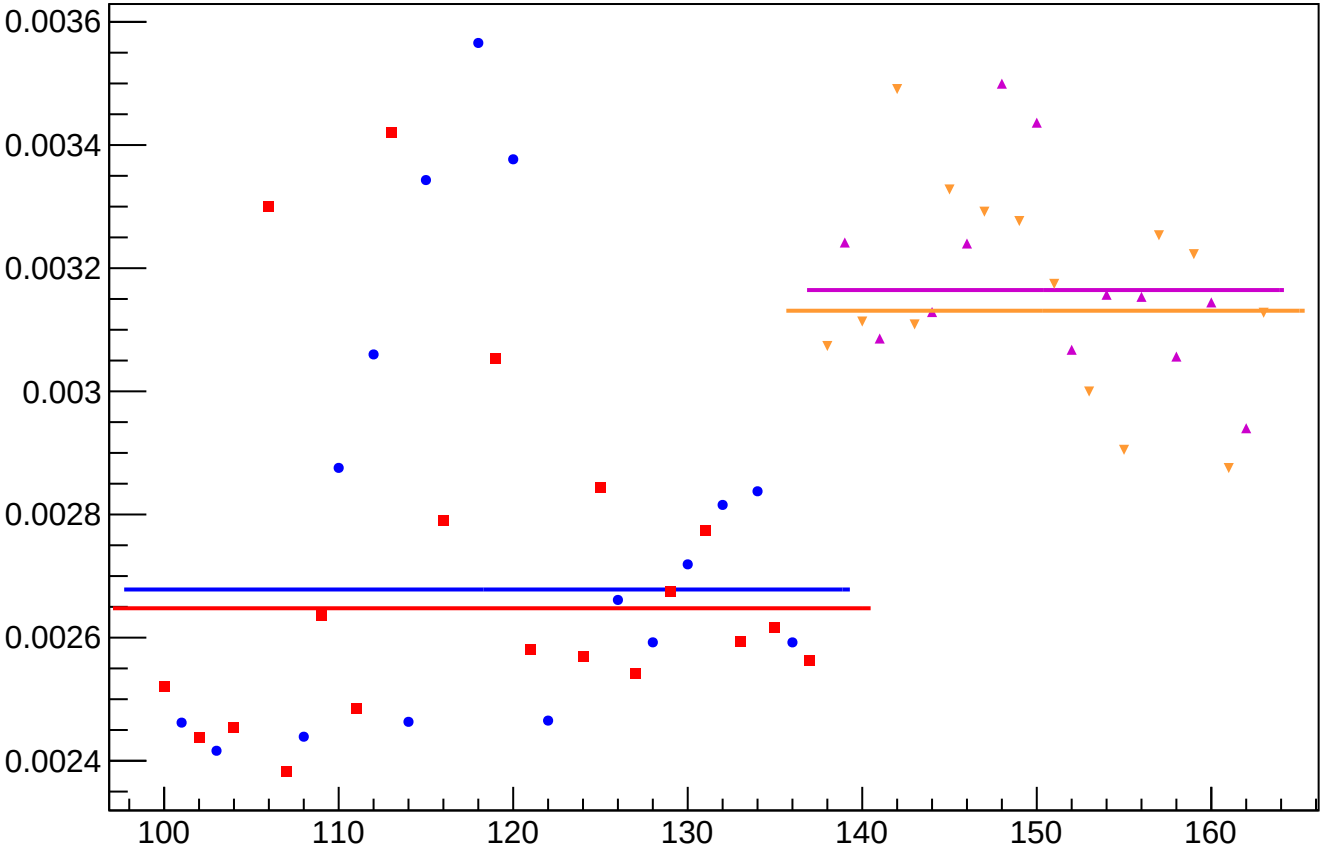
Left In: -1.845+/-0.000 χ^2/NDF:102787206812.5/11

+ sign -1.705+/-0.000 χ^2/NDF: 332712065077.2/29

All: -1.699+/-0.000 χ^2/NDF: 653274360423.8

- sign -1.693+/-0.000 χ^2/NDF: 320421182016.4/30

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:49333.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

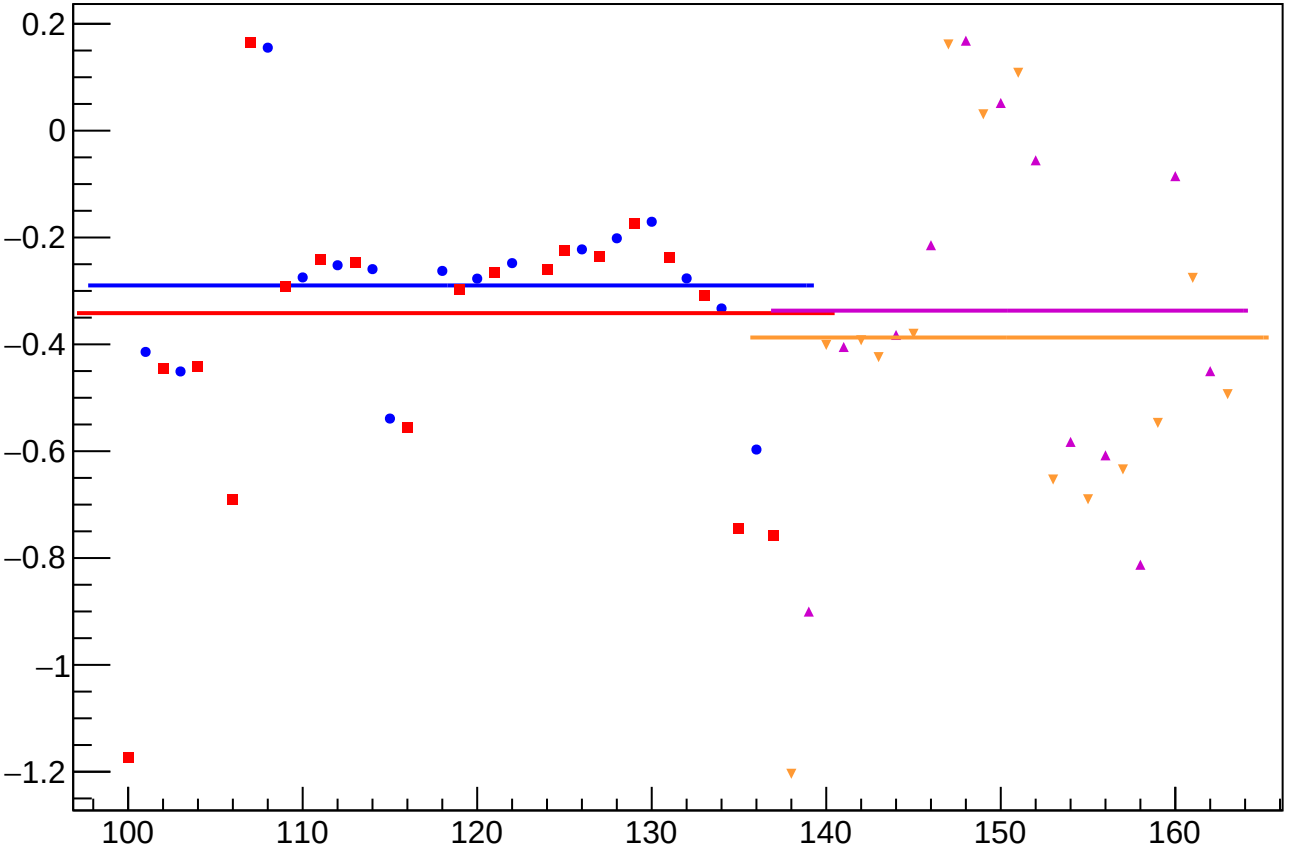
Left In: 0.003+/-0.000 χ^2/NDF:40140.5/11

+ sign 0.003+/-0.000 χ^2/NDF: 408965.7/29

All: 0.003+/-0.000 χ^2/NDF: 825920.5/60

- sign 0.003+/-0.000 χ^2/NDF: 416382.3/30

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7034130200.6/13

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

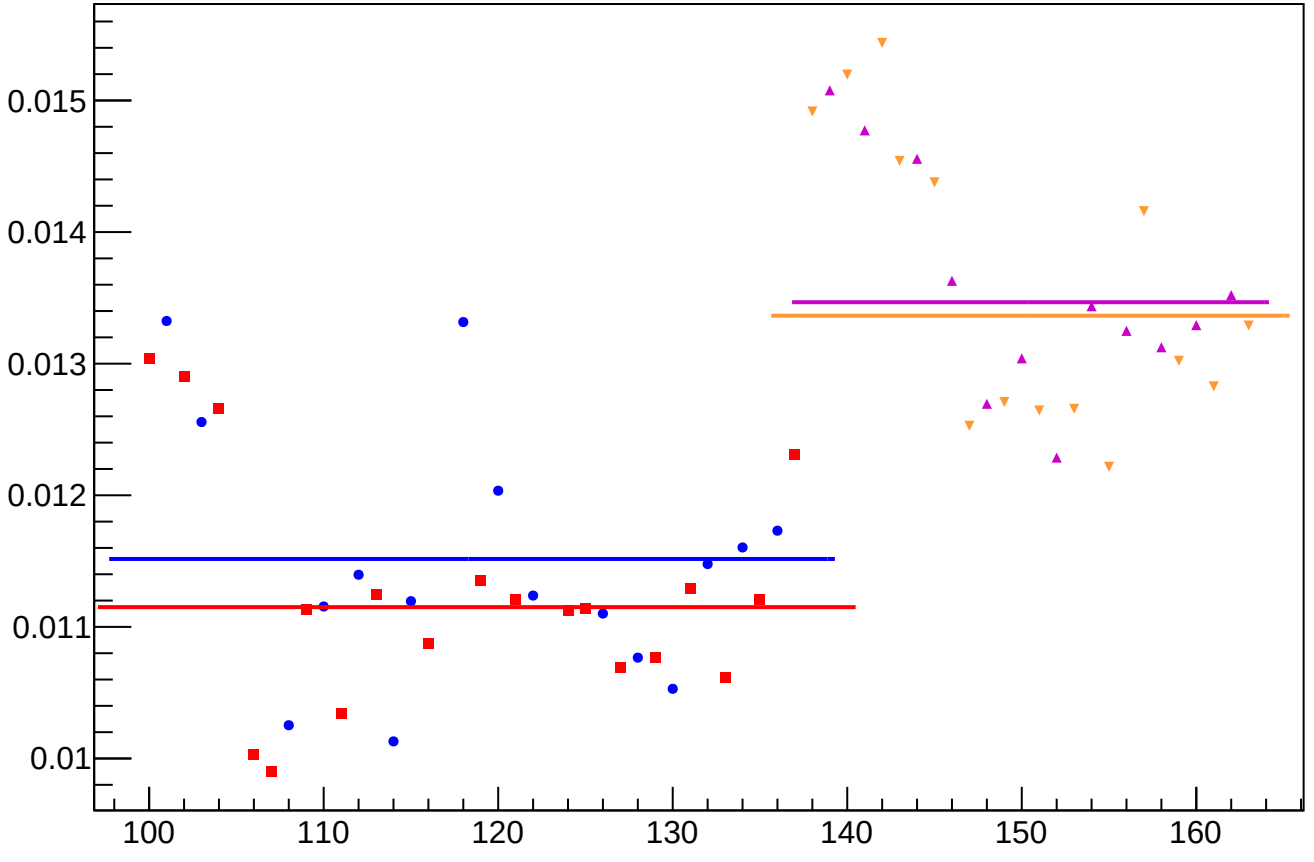
Left In: -0.337+/-0.000 χ^2/NDF:5679089412.9/11

+ sign -0.341+/-0.000 χ^2/NDF: 8941018346.8/29

All: -0.340+/-0.000 χ^2/NDF: 17230166103.3/

- sign -0.339+/-0.000 χ^2/NDF: 8288943658.4/30

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:113311.9/13

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

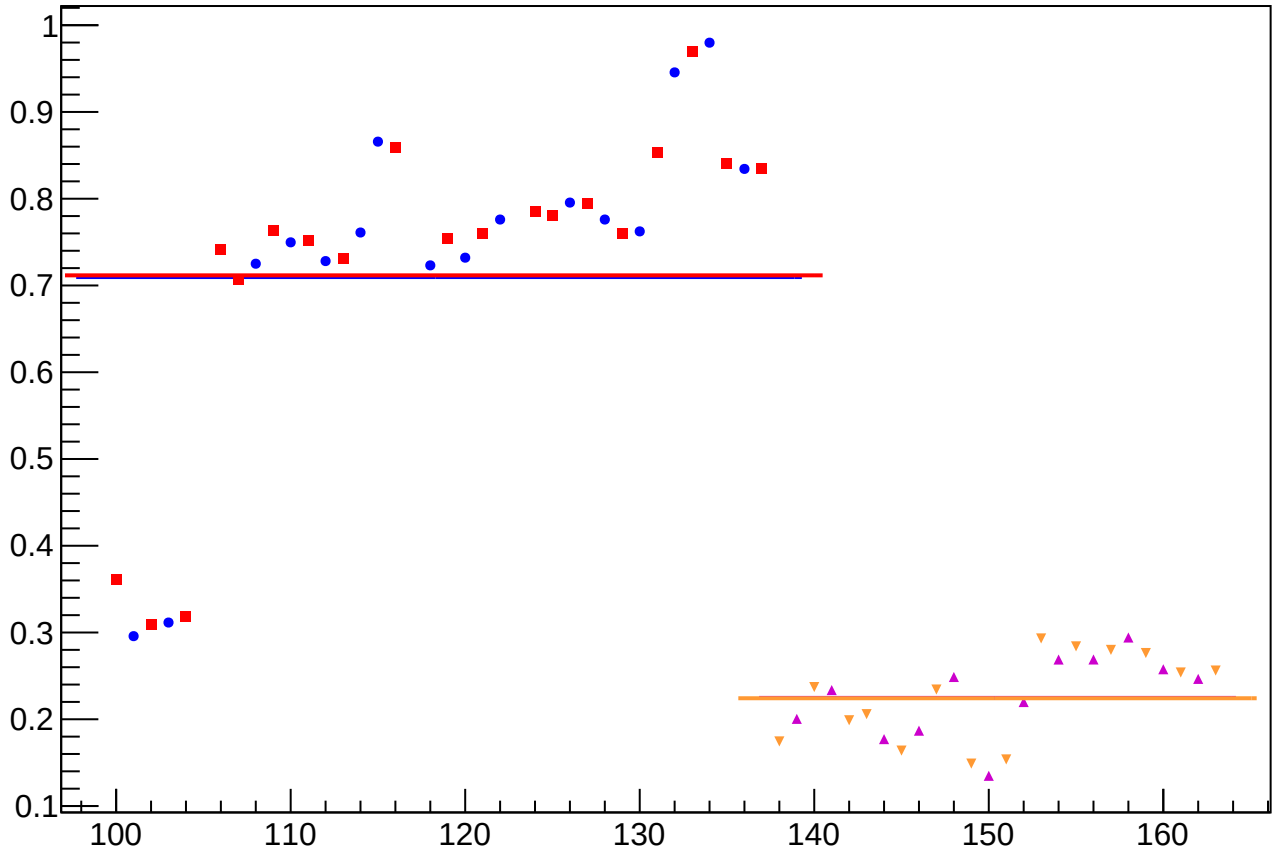
Left In: 0.013+/-0.000 χ^2/NDF:65156.3/11

+ sign 0.012+/-0.000 χ^2/NDF: 385883.8/29

All: 0.012+/-0.000 χ^2/NDF: 827254.4/60

- sign 0.012+/-0.000 χ^2/NDF: 435211.4/30

yield_bpm0l07Y_mean vs Slug



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.224+/-0.000 χ^2/NDF:5496805599.6/13

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

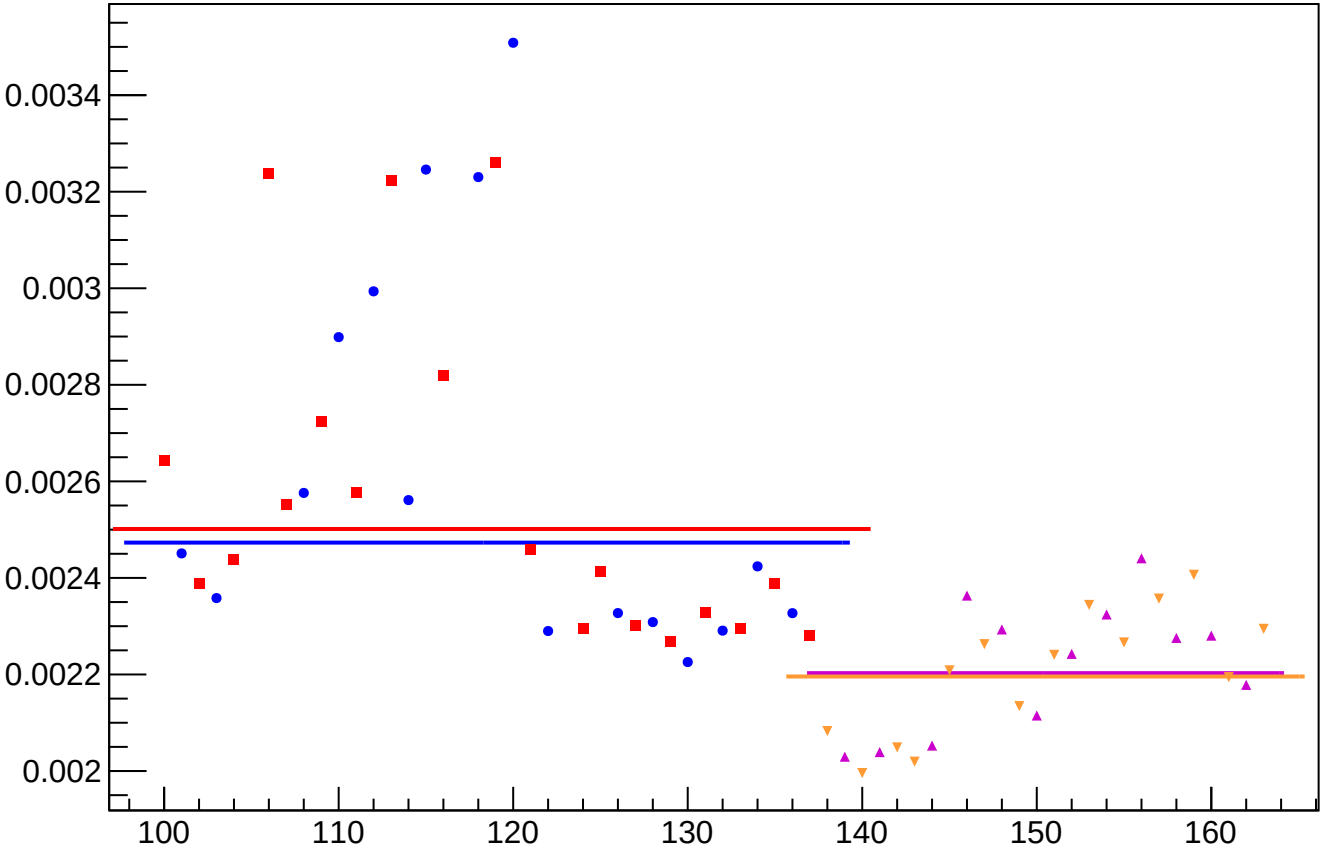
Left In: 0.225+/-0.000 χ^2/NDF:4203066533.1/11

+ sign 0.383+/-0.000 χ^2/NDF: 231074284877.3/29

All: 0.389+/-0.000 χ^2/NDF: 453475056470.4

- sign 0.394+/-0.000 χ^2/NDF: 222204430322.1/30

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:73601.4/13

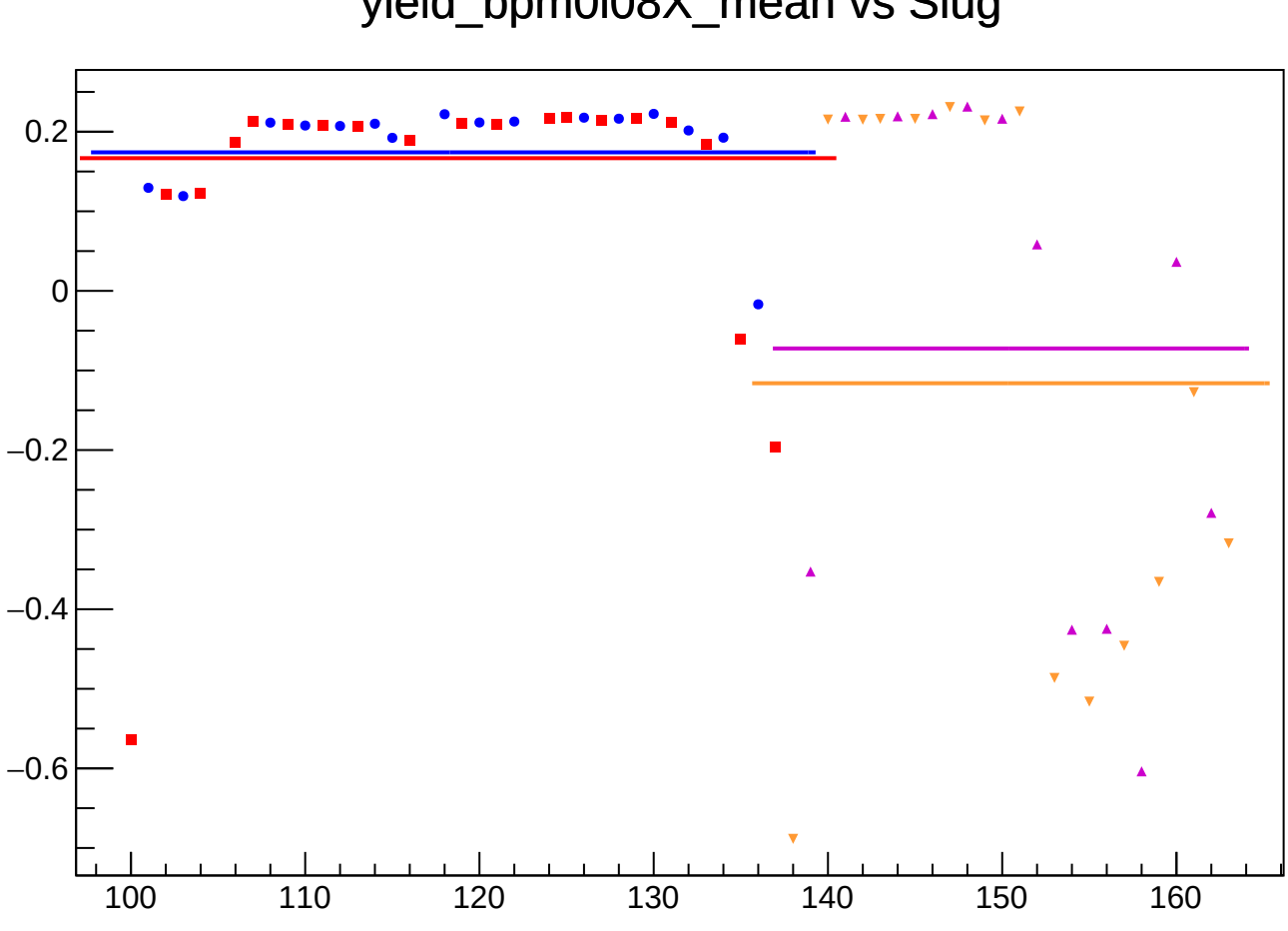
Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:71548.7/11

+ sign 0.002+/-0.000 χ^2/NDF: 396960.6/29

All: 0.002+/-0.000 χ^2/NDF: 777947.5/60

- sign 0.002+/-0.000 χ^2/NDF: 379654.7/30



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.116+/-0.000 χ^2/NDF:7995627402.2/13

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

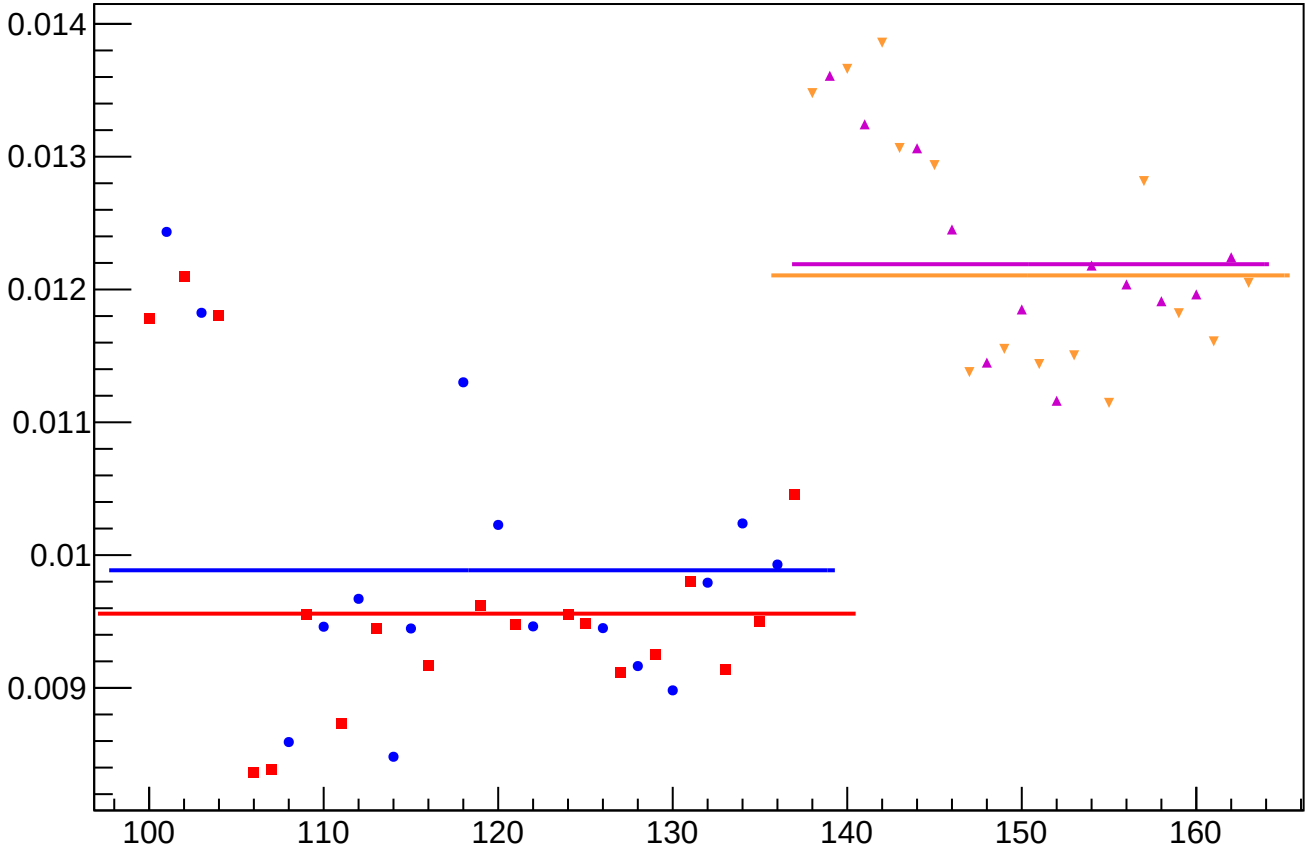
Left In: -0.072+/-0.000 χ^2/NDF:6130318539.9/11

+ sign 0.028+/-0.000 χ^2/NDF: 11378634833.0/29

All: 0.043+/-0.000 χ^2/NDF: 20513296587.1/6

- sign 0.058+/-0.000 χ^2/NDF: 9067498364.4/30

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:101954.8/13

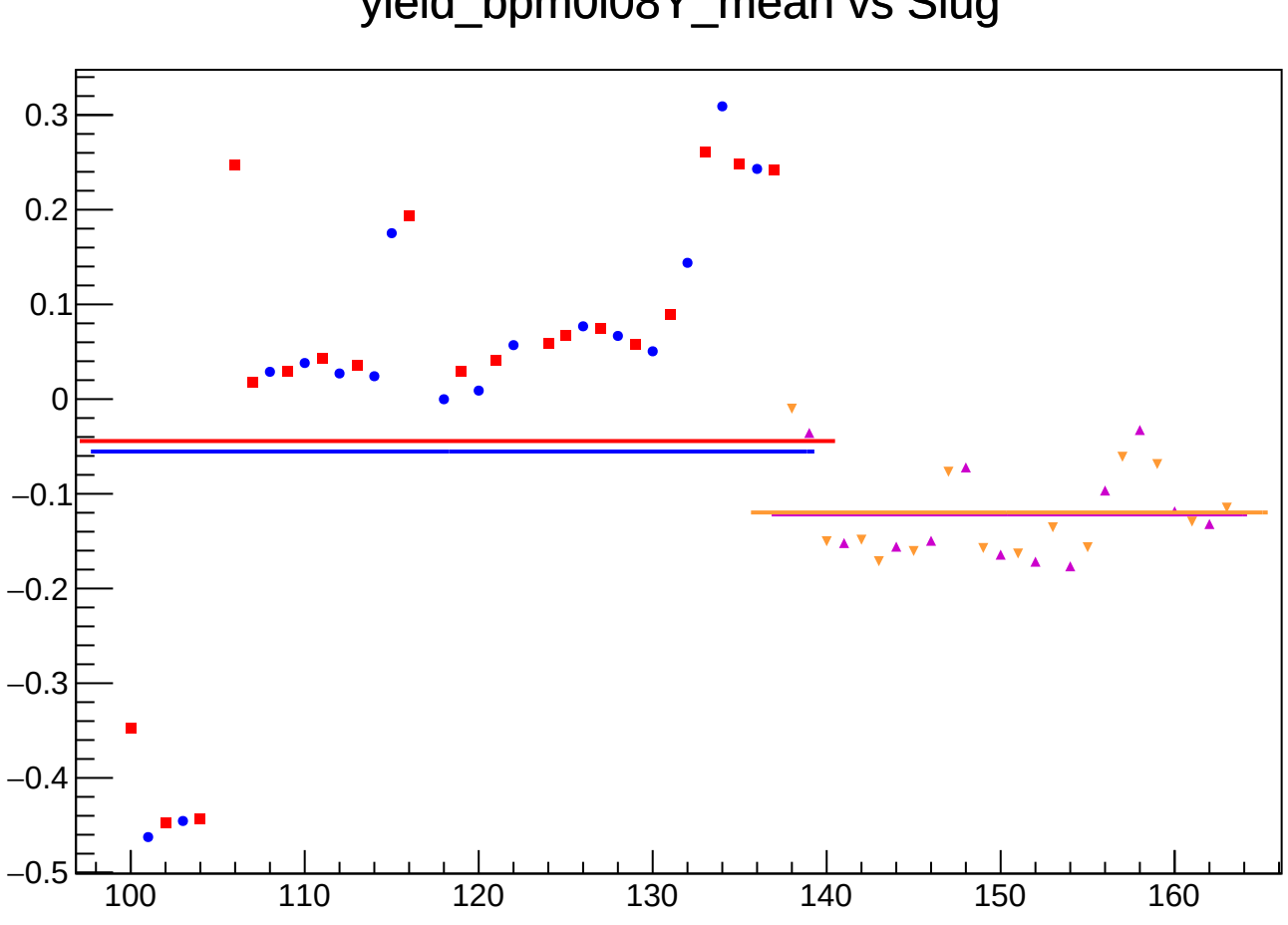
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59634.6/11

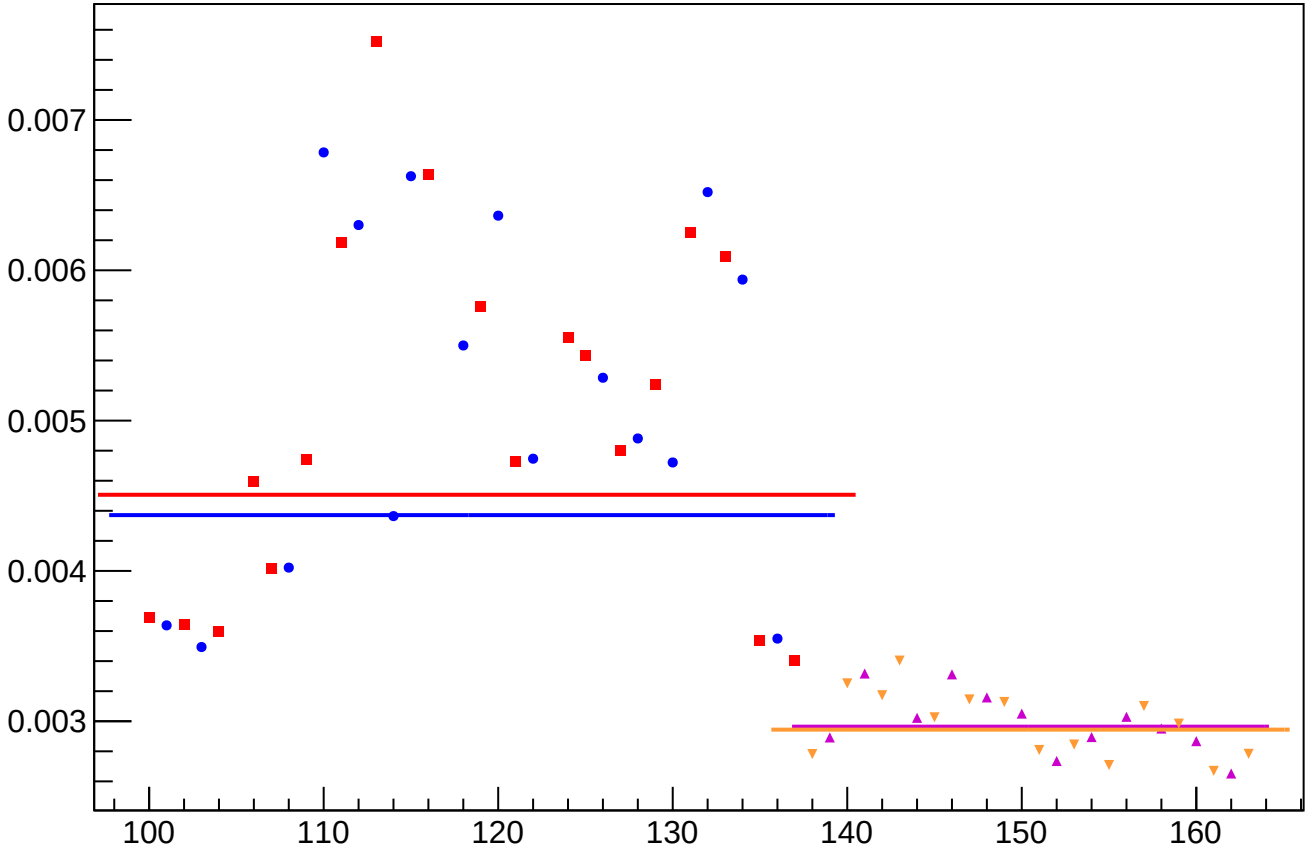
+ sign 0.011+/-0.000 χ^2/NDF: 599767.8/29

All: 0.011+/-0.000 χ^2/NDF: 1299688.4/60

- sign 0.011+/-0.000 χ^2/NDF: 690711.1/30


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
160
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.120+/-0.000 χ²/NDF:2710685750.2/13
Right Out: -0.044+/-0.000 χ²/NDF: 22136167141.7/18
Left In: -0.122+/-0.000 χ²/NDF:2734124125.4/11
+ sign -0.106+/-0.000 χ²/NDF: 27841270646.0/29
All: -0.106+/-0.000 χ²/NDF: 54186356011.0/
- sign -0.105+/-0.000 χ²/NDF: 26343062014.4/30

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:106396.9/13

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

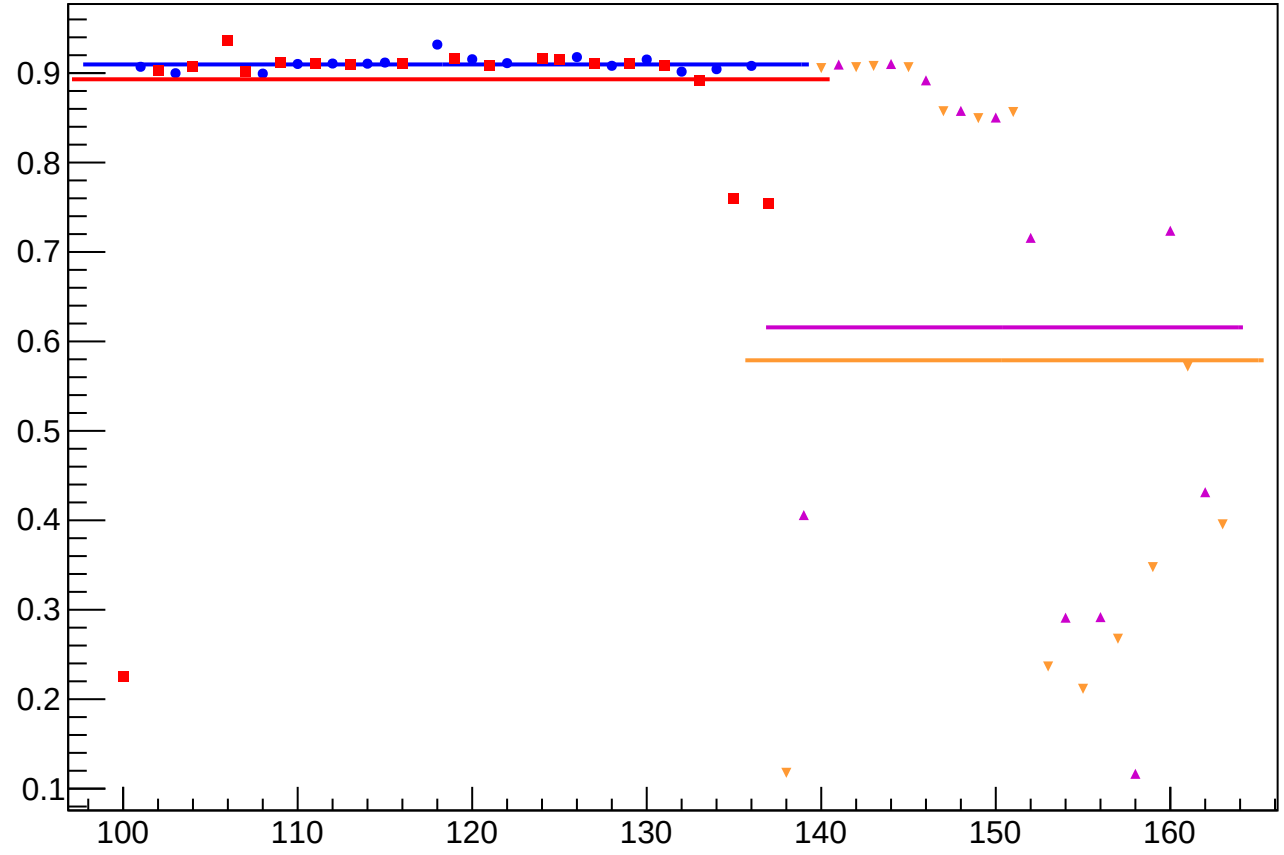
Left In: 0.003+/-0.000 χ^2/NDF:81377.9/11

+ sign 0.003+/-0.000 χ^2/NDF: 1797234.4/29

All: 0.003+/-0.000 χ^2/NDF: 3756438.0/60

- sign 0.003+/-0.000 χ^2/NDF: 1953228.6/30

yield_bpm0l09X_mean vs Slug



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.579+/-0.000 χ^2/NDF:6770116060.5/13

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

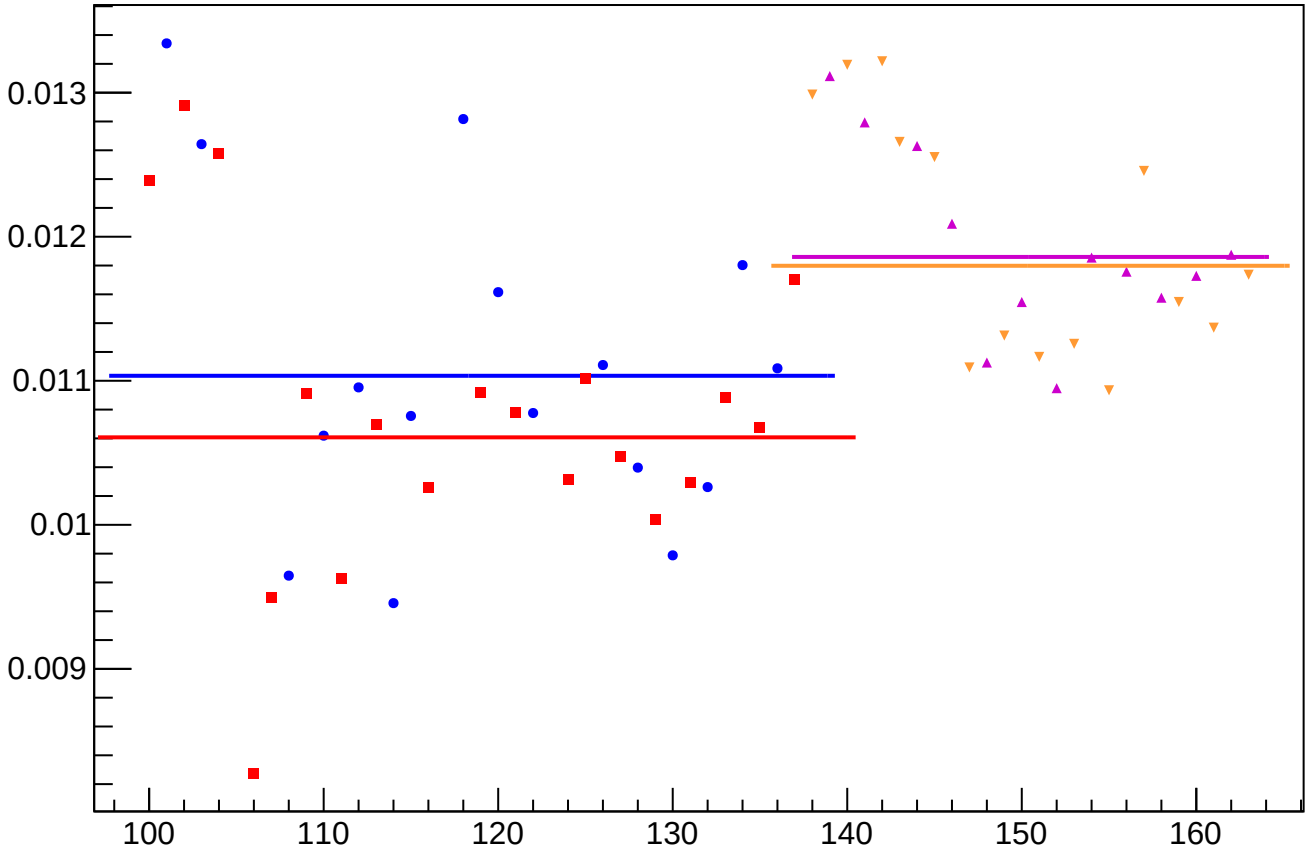
Left In: 0.616+/-0.000 χ^2/NDF:5397241260.9/11

+ sign 0.720+/-0.000 χ^2/NDF: 10312590165.0/29

All: 0.734+/-0.000 χ^2/NDF: 18658294048.5/6

- sign 0.749+/-0.000 χ^2/NDF: 8291114553.4/30

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:86796.9/13

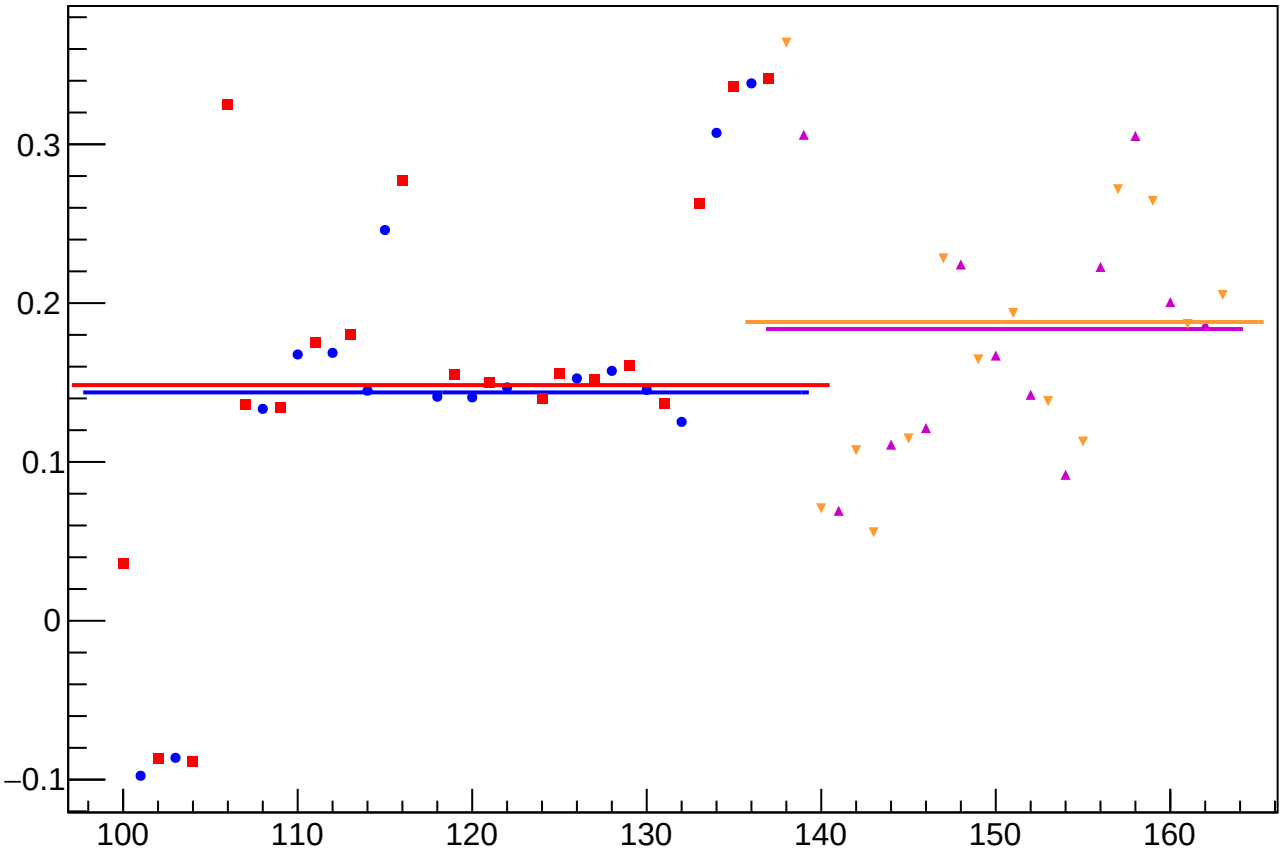
Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51459.6/11

+ sign 0.011+/-0.000 χ^2/NDF: 254881.8/29

All: 0.011+/-0.000 χ^2/NDF: 560960.0/60

- sign 0.011+/-0.000 χ^2/NDF: 300045.6/30



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:5867066837.4/13

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

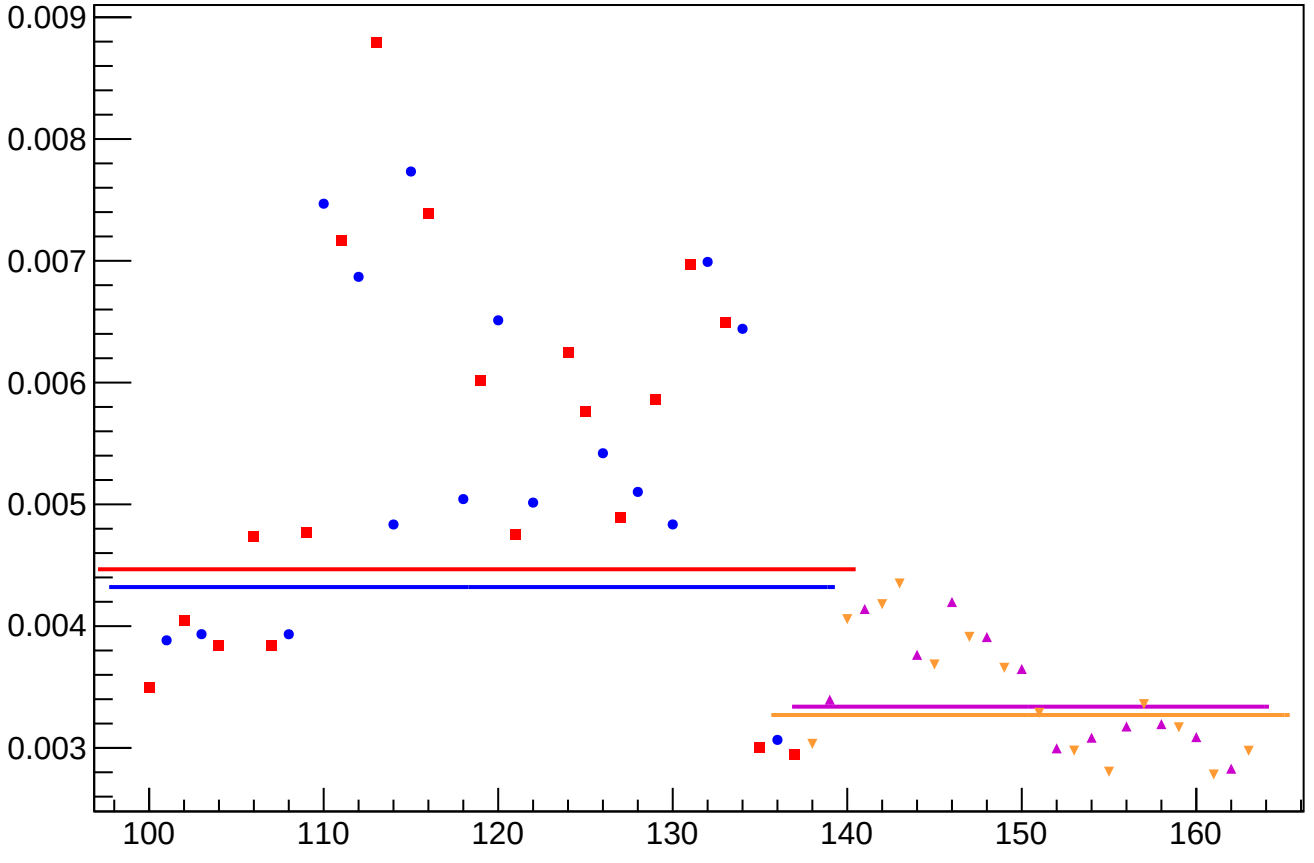
Left In: 0.184+/-0.000 χ^2/NDF:4387559464.1/11

+ sign 0.177+/-0.000 χ^2/NDF: 14189250927.2/29

All: 0.176+/-0.000 χ^2/NDF: 25983736831.9/6

- sign 0.174+/-0.000 χ^2/NDF: 11789838197.6/30

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:386638.9/13

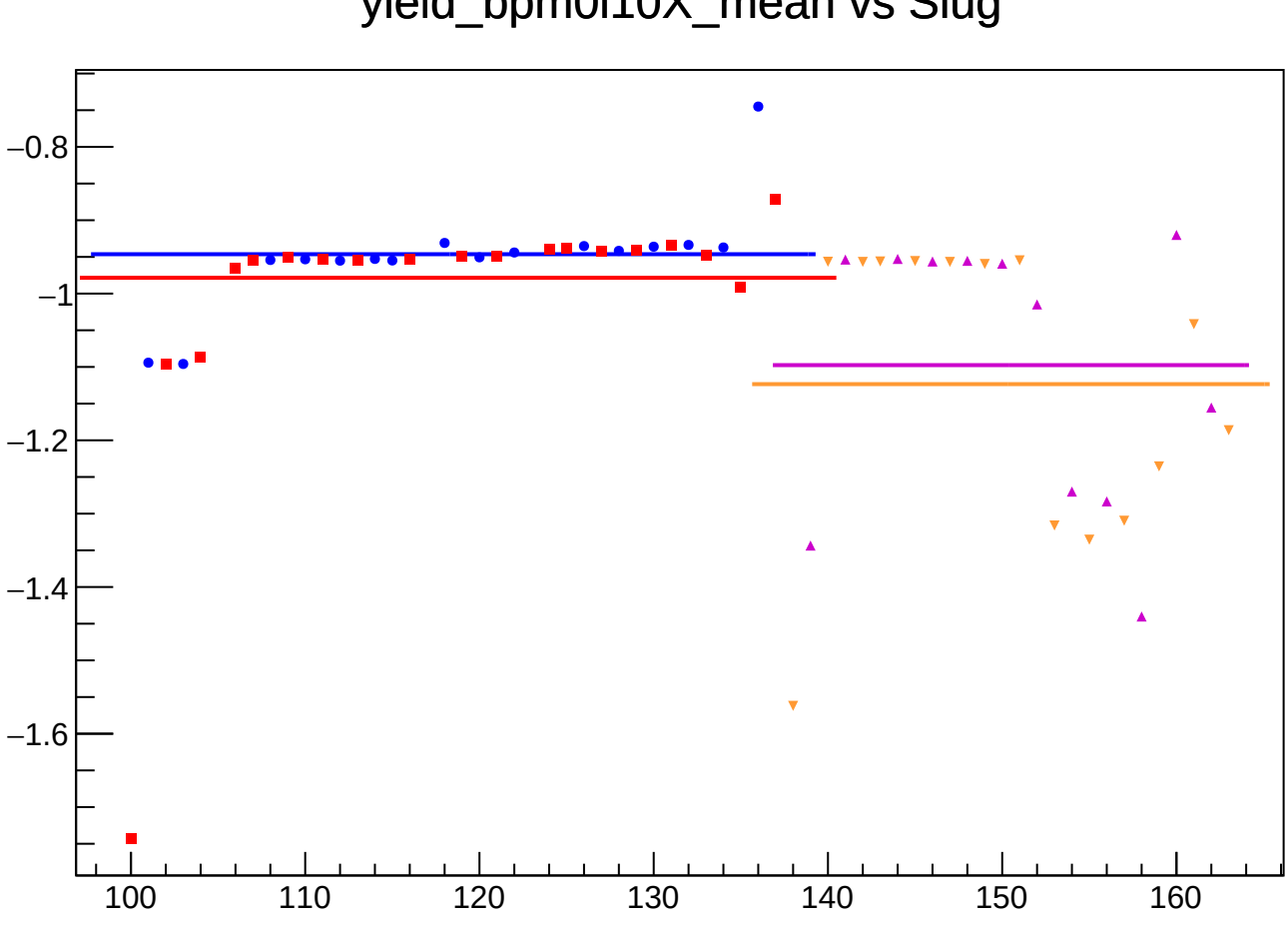
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:286117.7/11

+ sign 0.004+/-0.000 χ^2/NDF: 1775900.0/29

All: 0.004+/-0.000 χ^2/NDF: 3720324.3/60

- sign 0.004+/-0.000 χ^2/NDF: 1931050.2/30



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.123+/-0.000 χ^2/NDF:3380702375.9/13

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

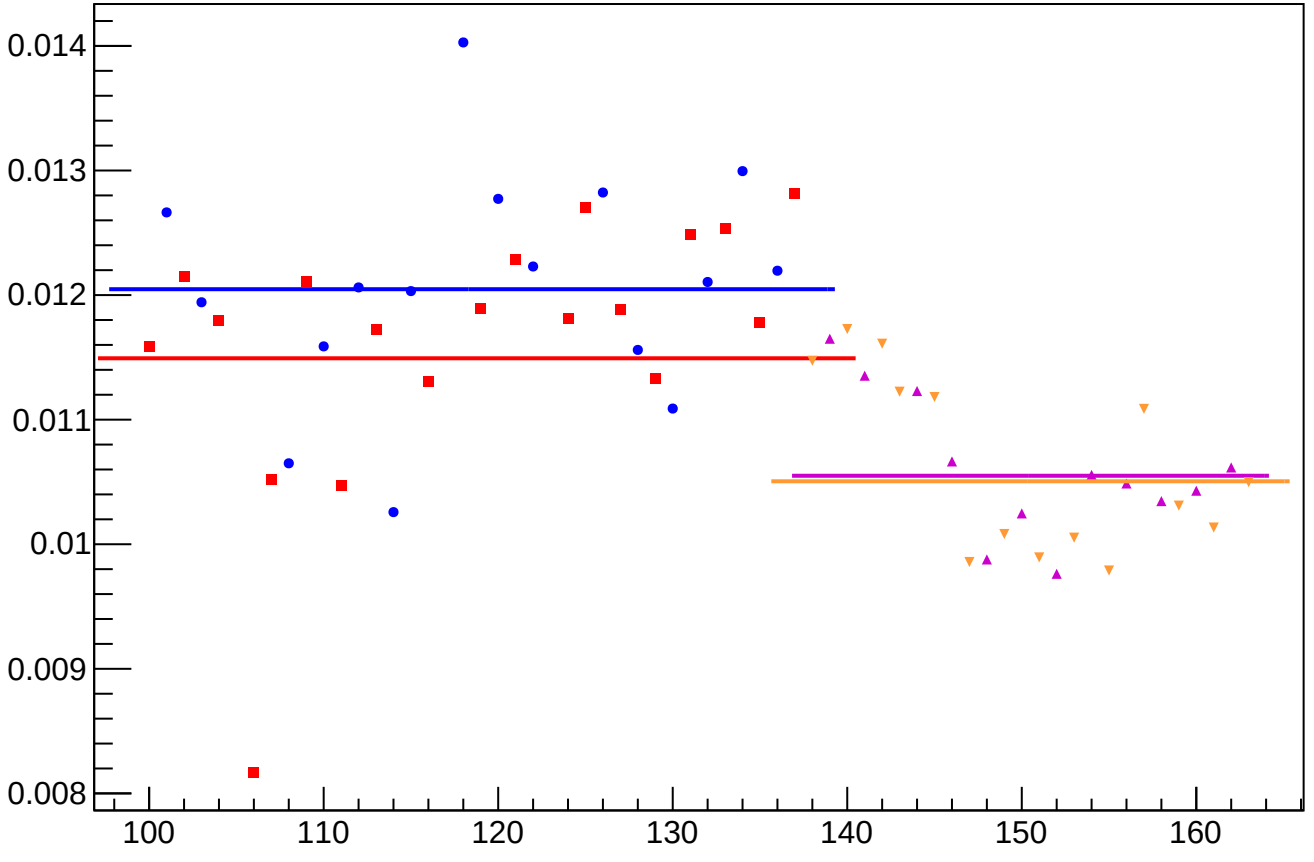
Left In: -1.098+/-0.000 χ^2/NDF:2827424239.6/11

+ sign -1.065+/-0.000 χ^2/NDF: 4780470997.5/29

All: -1.059+/-0.000 χ^2/NDF: 8557228901.5/6

- sign -1.052+/-0.000 χ^2/NDF: 3765192703.9/30

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:81283.6/13

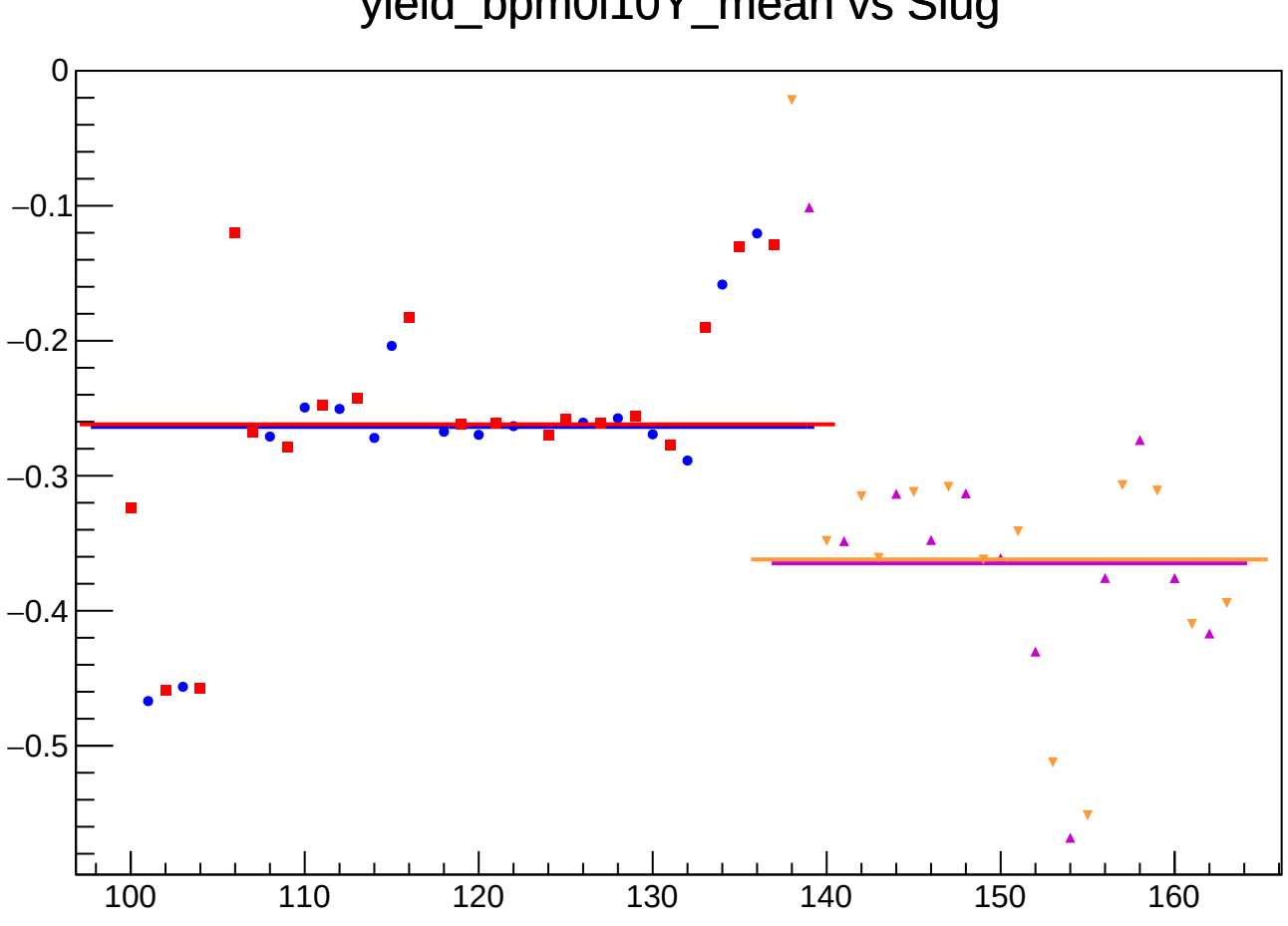
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:50072.6/11

+ sign 0.011+/-0.000 χ^2/NDF: 294604.7/29

All: 0.011+/-0.000 χ^2/NDF: 557367.7/60

- sign 0.011+/-0.000 χ^2/NDF: 261156.0/30



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.362+/-0.000 χ^2/NDF:11565591399.4/13

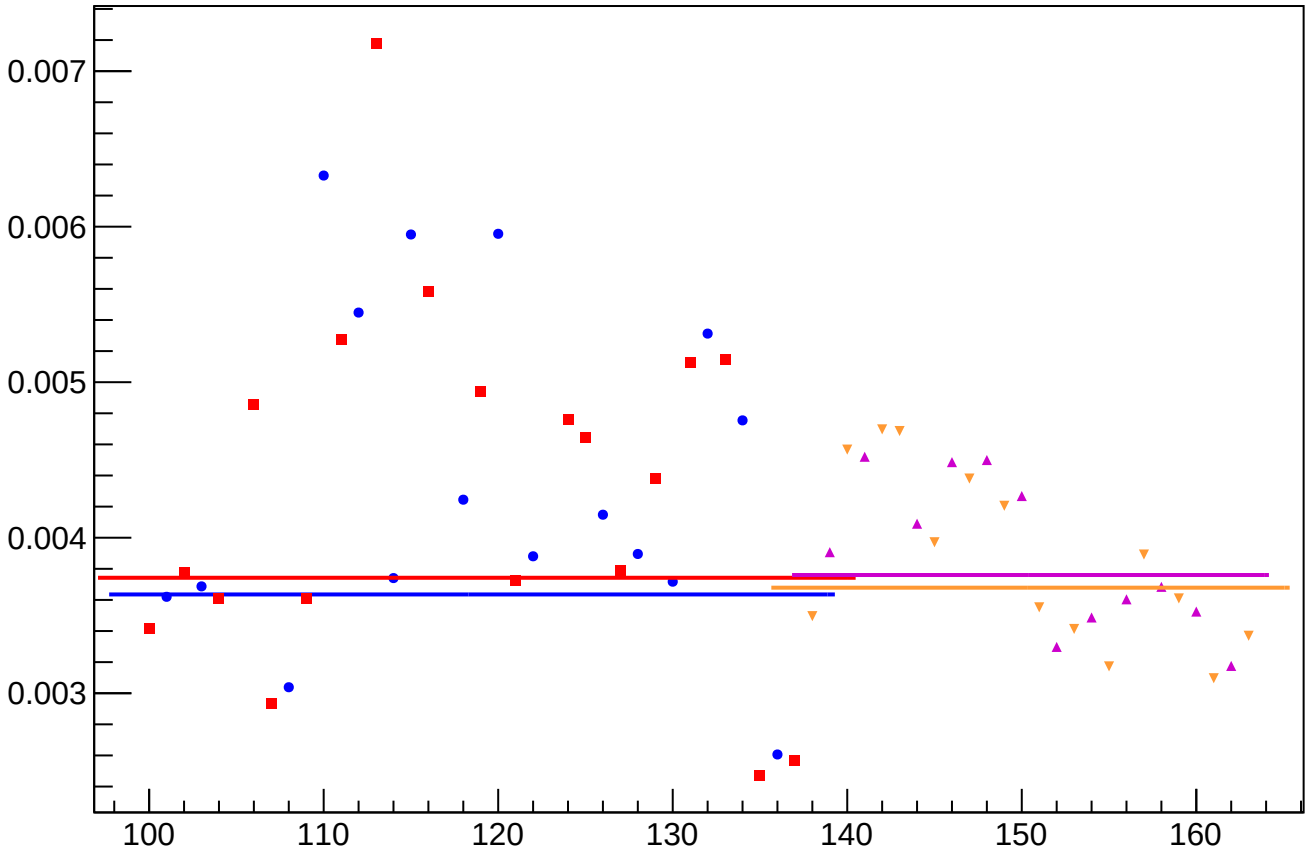
Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.365+/-0.000 χ^2/NDF:7472632608.6/11

+ sign -0.325+/-0.000 χ^2/NDF: 20309376337.7/29

All: -0.325+/-0.000 χ^2/NDF: 35773259070.1/

- sign -0.324+/-0.000 χ^2/NDF: 15462542541.6/30



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:348194.1/13

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

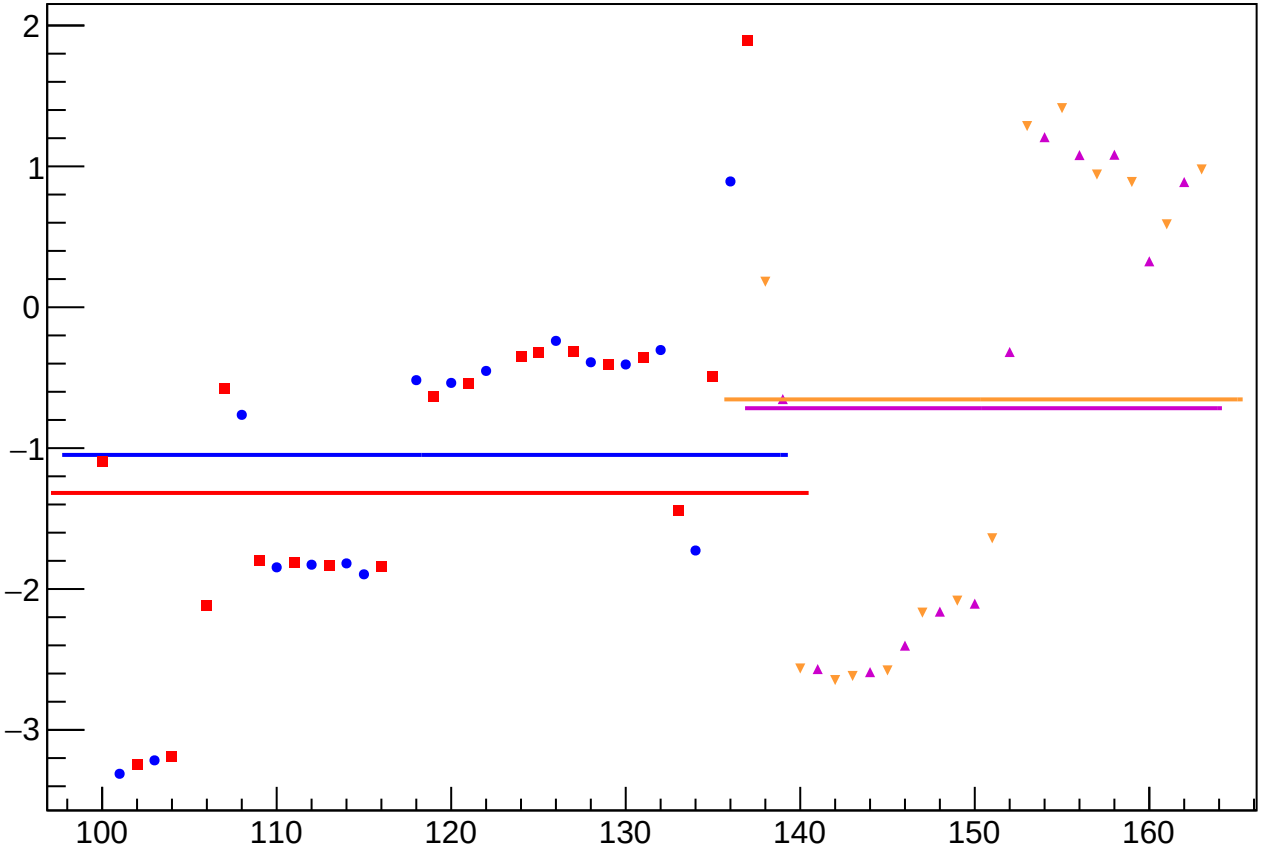
Left In: 0.004+/-0.000 χ^2/NDF:259645.9/11

+ sign 0.004+/-0.000 χ^2/NDF: 1077829.1/29

All: 0.004+/-0.000 χ^2/NDF: 2241050.8/60

- sign 0.004+/-0.000 χ^2/NDF: 1153998.0/30

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.654+/-0.000 χ^2/NDF:5172778939.3/13

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

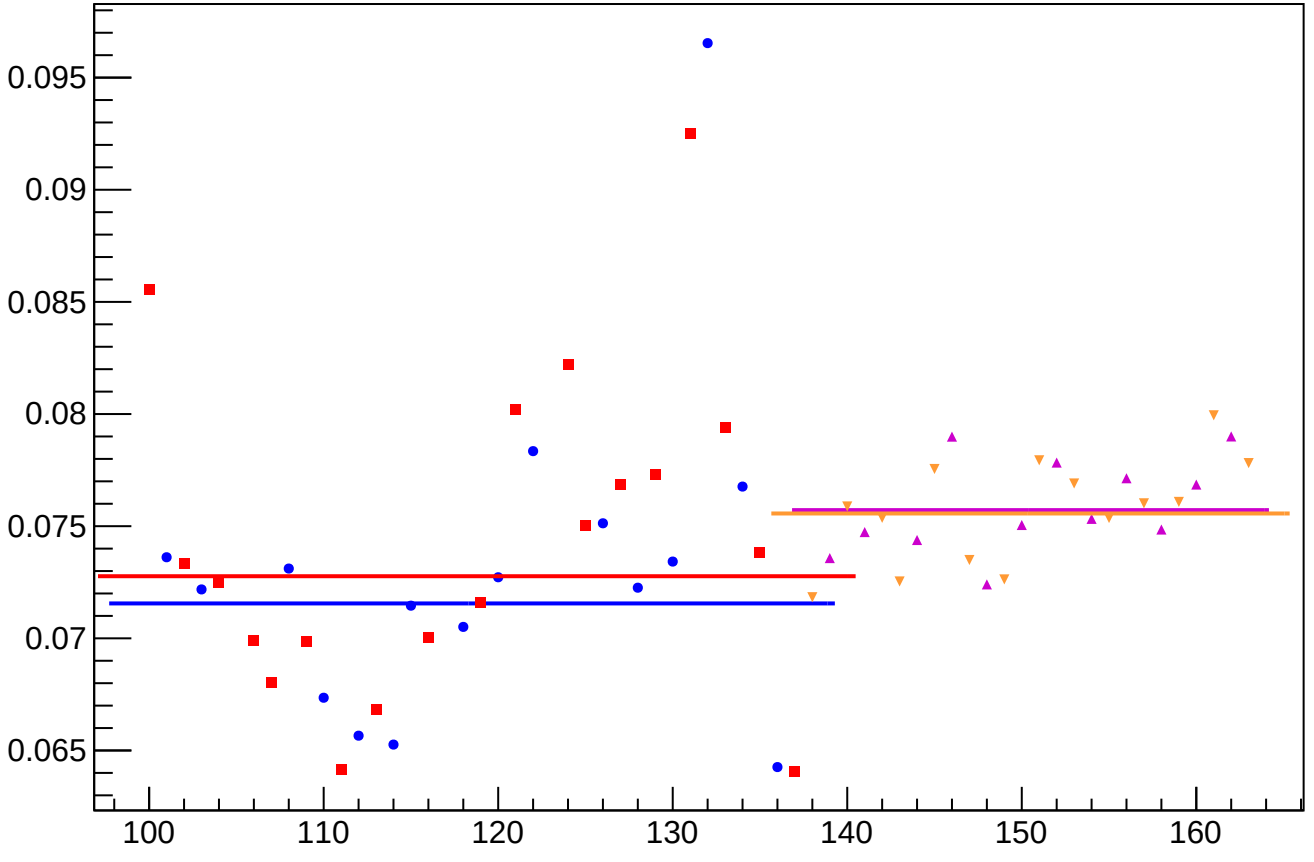
Left In: -0.717+/-0.000 χ^2/NDF:4103964927.2/11

+ sign -0.818+/-0.000 χ^2/NDF: 7644042123.6/29

All: -0.897+/-0.000 χ^2/NDF: 13917290806.2/

- sign -0.980+/-0.000 χ^2/NDF: 6231204757.8/30

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20452.6/13

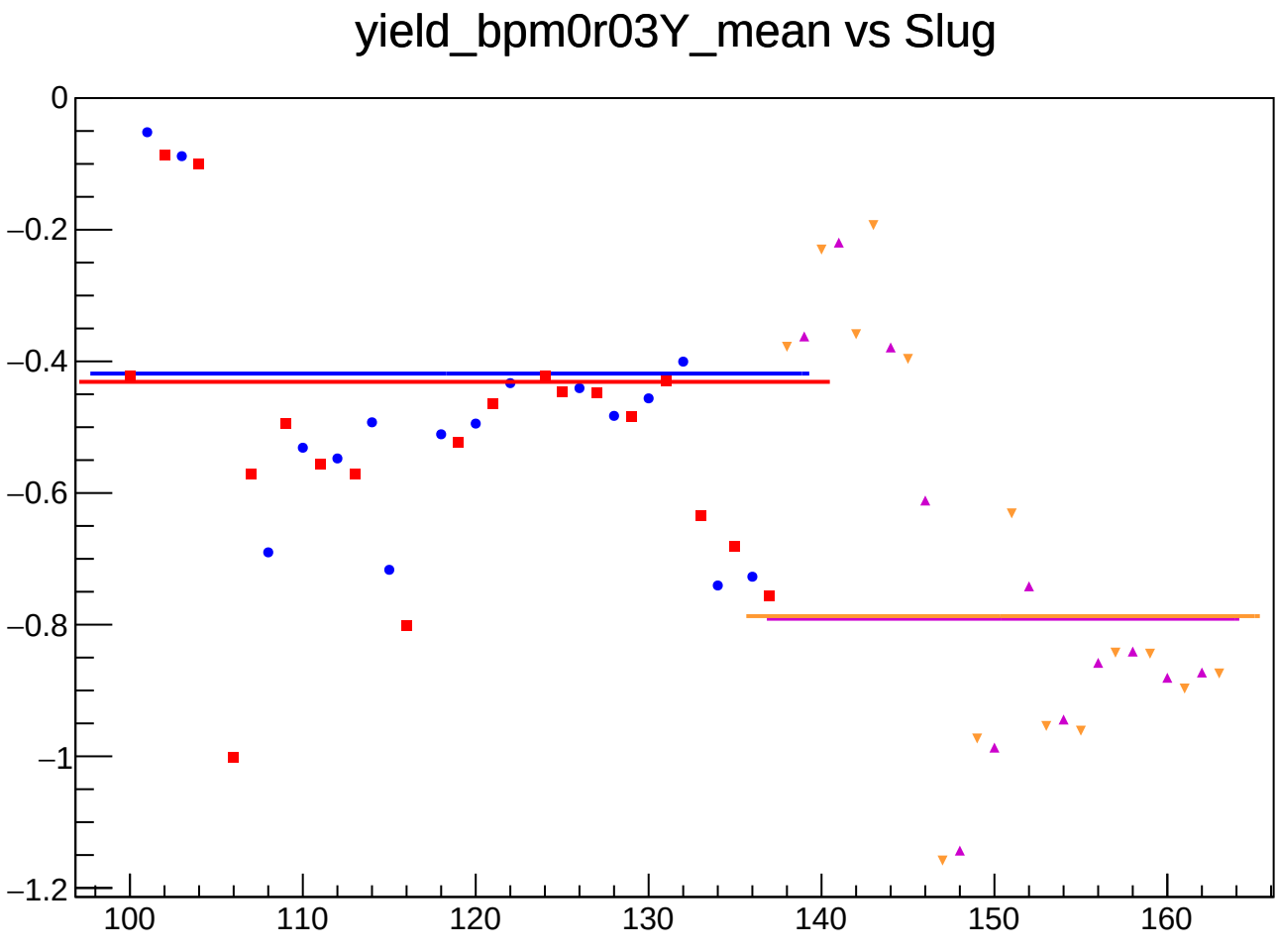
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13879.6/11

+ sign 0.074+/-0.000 χ^2/NDF: 147427.1/29

All: 0.074+/-0.000 χ^2/NDF: 272486.6/60

- sign 0.074+/-0.000 χ^2/NDF: 124162.6/30



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.787+/-0.000 χ^2/NDF:13819446380.6/13

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

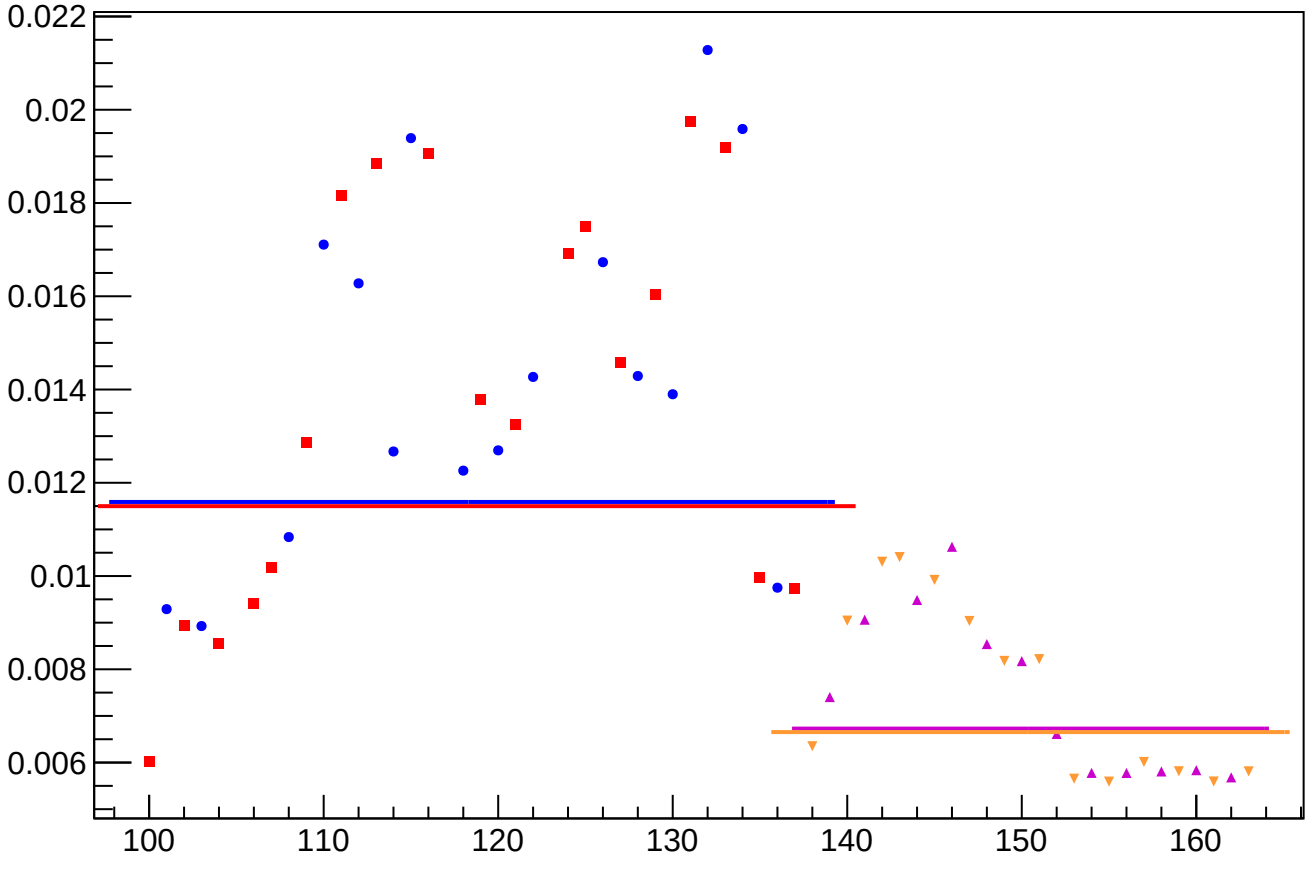
Left In: -0.791+/-0.000 χ^2/NDF:10417738433.3/11

+ sign -0.726+/-0.000 χ^2/NDF: 21923285693.2/29

All: -0.726+/-0.000 χ^2/NDF: 40352660311.1/

- sign -0.726+/-0.000 χ^2/NDF: 18429319742.2/30

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:1014862.3/13

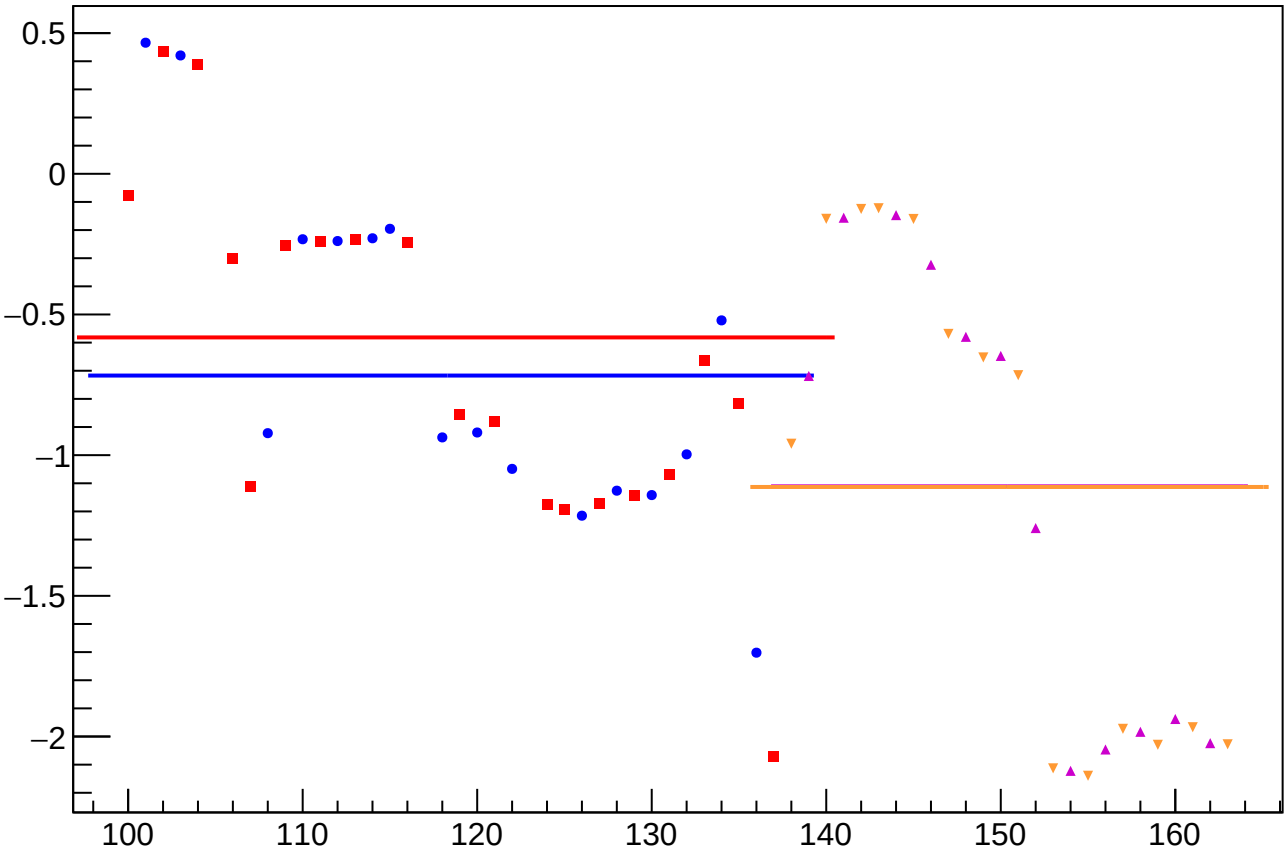
Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:801120.4/11

+ sign 0.007+/-0.000 χ^2/NDF: 3606474.9/29

All: 0.008+/-0.000 χ^2/NDF: 7268386.2/60

- sign 0.008+/-0.000 χ^2/NDF: 3657694.2/30



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.113+/-0.000 χ^2/NDF:1011290351.9/13

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

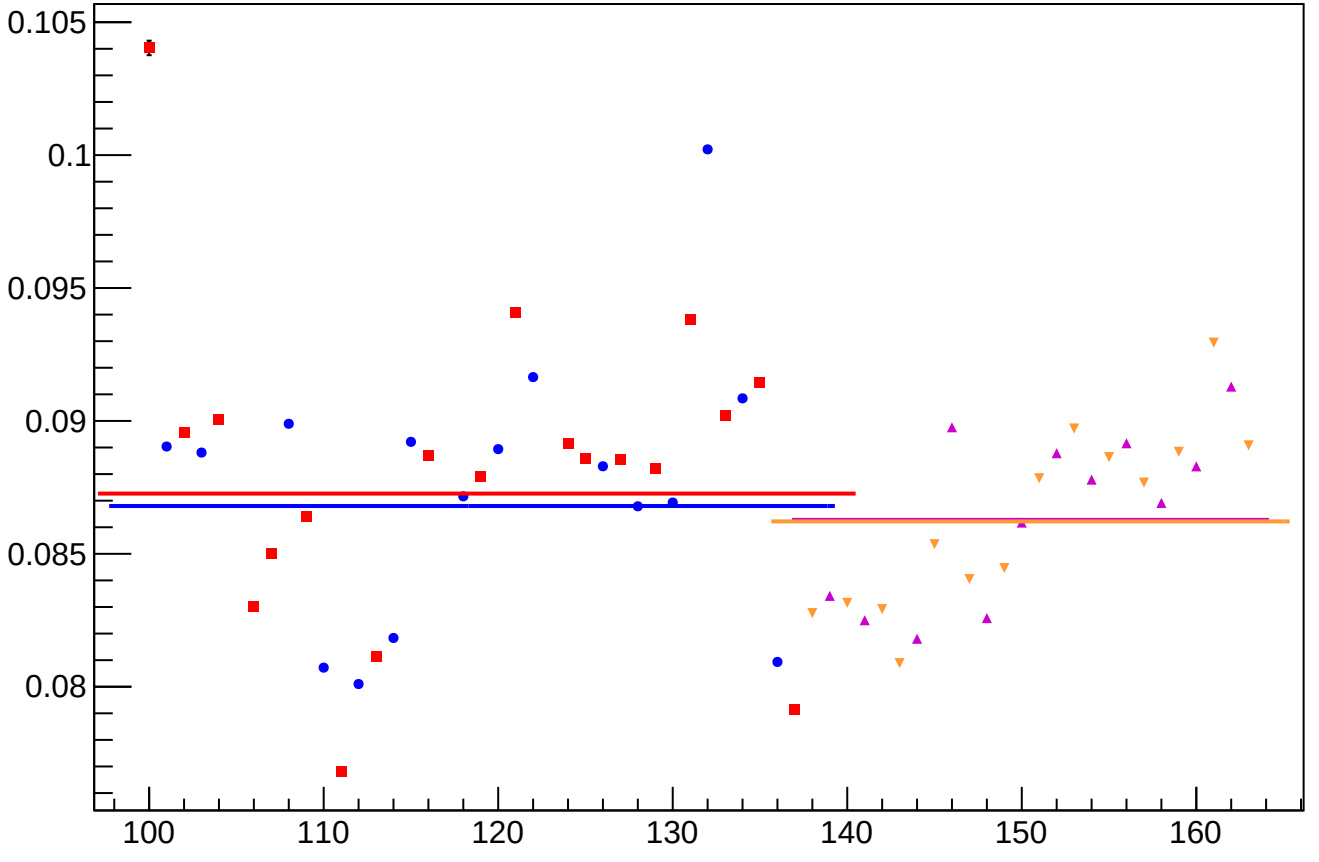
Left In: -1.111+/-0.000 χ^2/NDF:837053454.8/11

+ sign -0.959+/-0.000 χ^2/NDF: 1539941175.5/29

All: -0.926+/-0.000 χ^2/NDF: 2884753102.0/6

- sign -0.891+/-0.000 χ^2/NDF: 1339266780.2/30

yield_bpm0r05X_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:31815.6/13

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

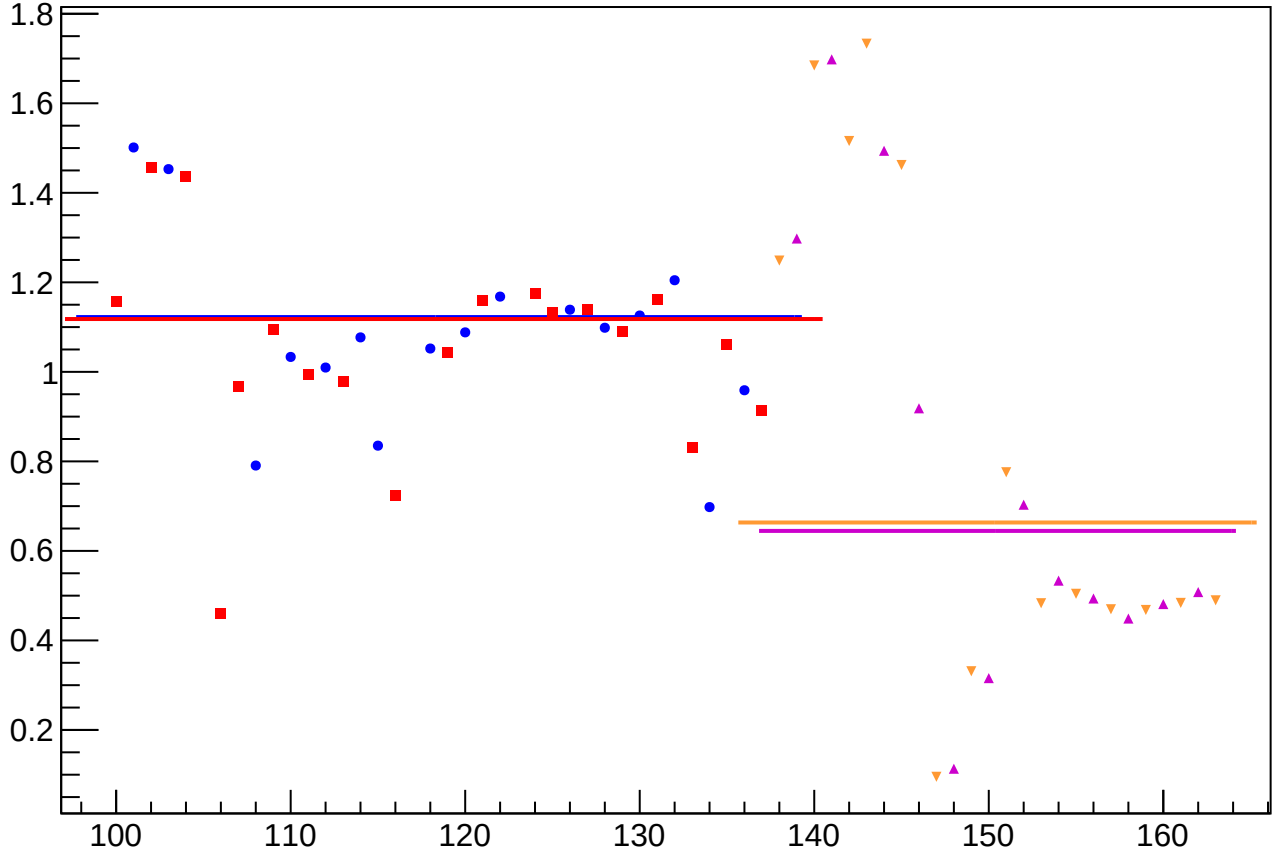
Left In: 0.086+/-0.000 χ^2/NDF:26323.5/11

+ sign 0.086+/-0.000 χ^2/NDF: 75781.7/29

All: 0.087+/-0.000 χ^2/NDF: 149528.4/60

- sign 0.087+/-0.000 χ^2/NDF: 73604.5/30

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.663+/-0.000 χ^2/NDF:27792092492.3/13

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

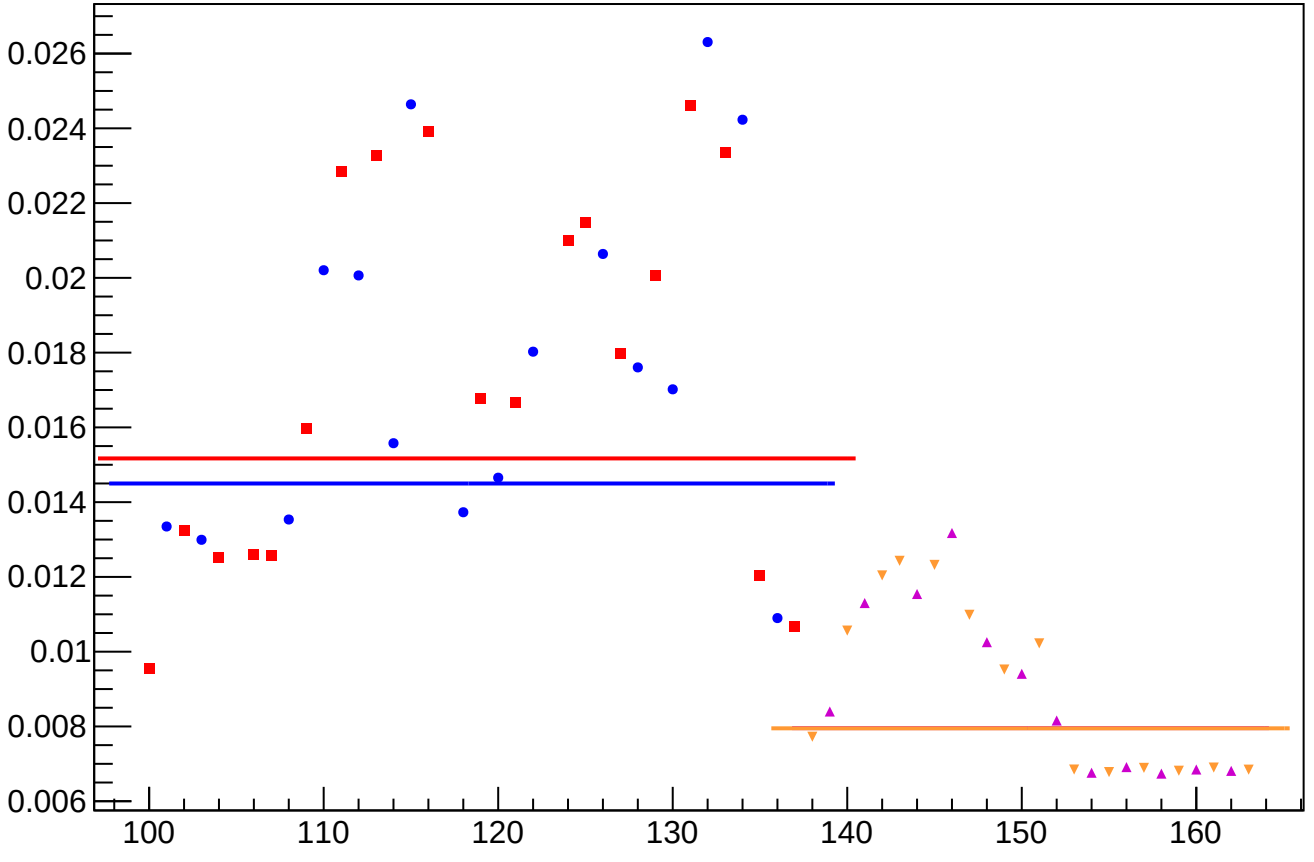
Left In: 0.645+/-0.000 χ^2/NDF:21676623904.3/11

+ sign 0.733+/-0.000 χ^2/NDF: 34325078755.7/29

All: 0.725+/-0.000 χ^2/NDF: 62653291047.4/6

- sign 0.717+/-0.000 χ^2/NDF: 28306149319.4/30

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:1044688.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

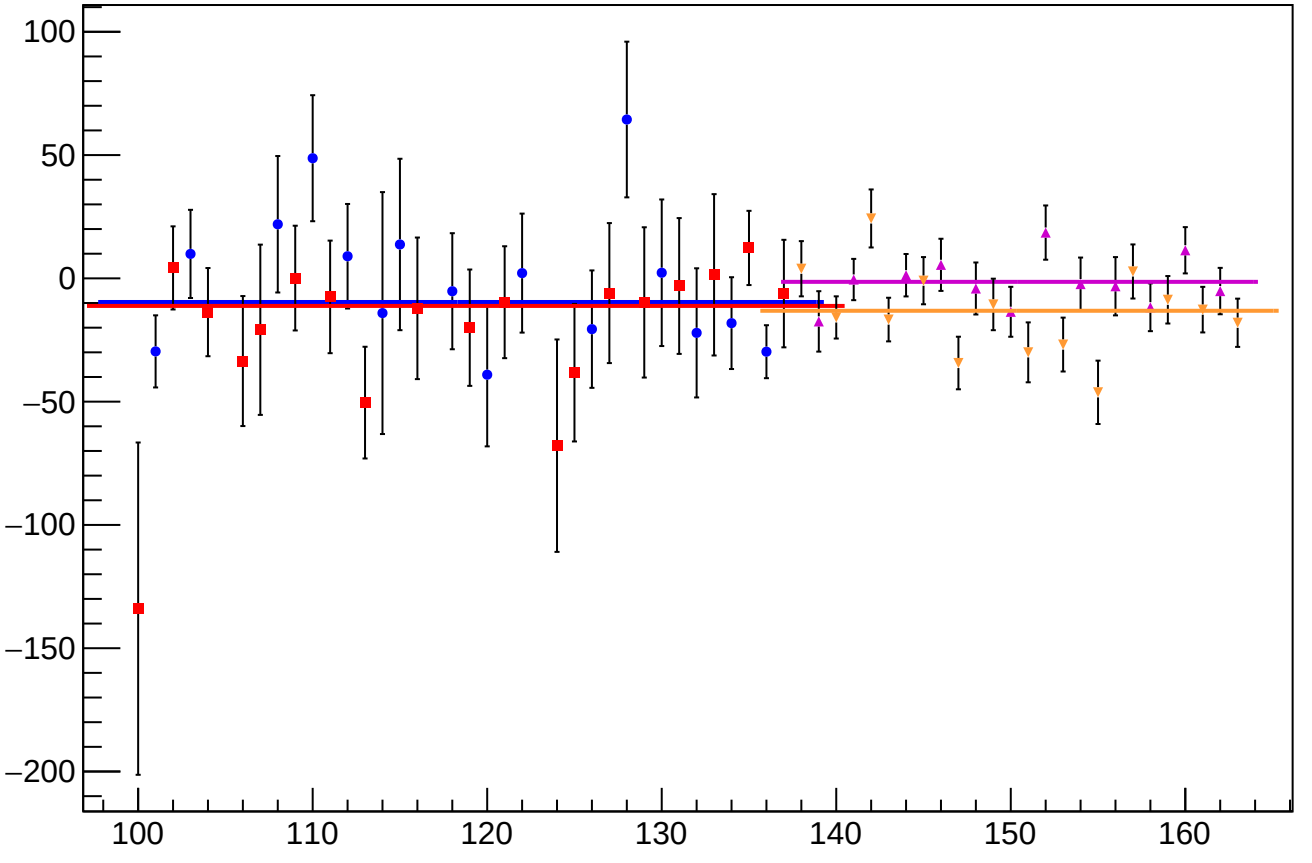
Left In: 0.008+/-0.000 χ^2/NDF:889704.7/11

+ sign 0.009+/-0.000 χ^2/NDF: 3823743.7/29

All: 0.009+/-0.000 χ^2/NDF: 7930638.3/60

- sign 0.009+/-0.000 χ^2/NDF: 4104221.5/30

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.143+/-2.742 χ^2/NDF:31.0/13

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

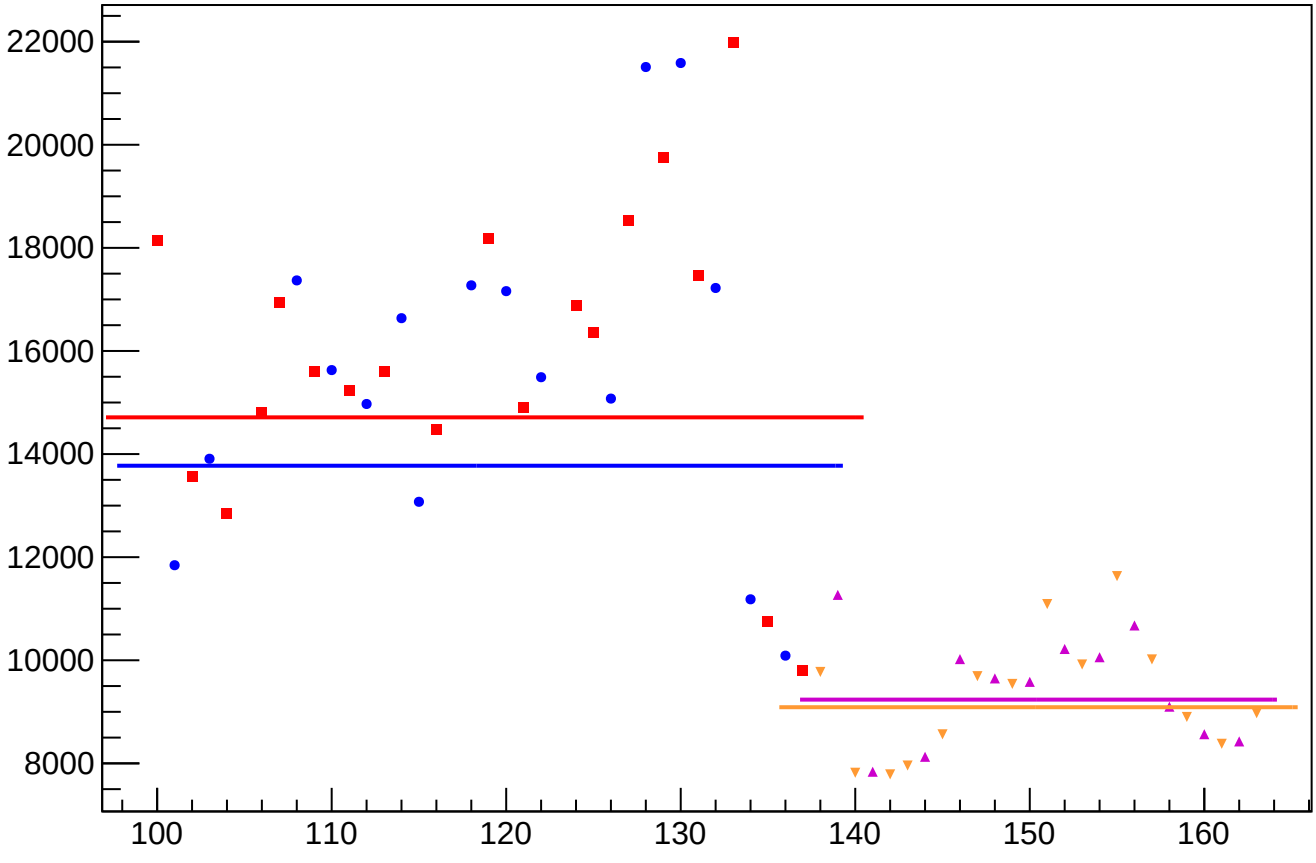
Left In: -1.412+/-2.893 χ^2/NDF:10.2/11

+ sign -12.389+/-2.435 χ^2/NDF: 53.3/29

All: -8.181+/-1.764 χ^2/NDF: 86.2/60

- sign -3.530+/-2.560 χ^2/NDF: 26.6/30

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9089.275+/-1.939 χ^2/NDF:296220.8/13

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

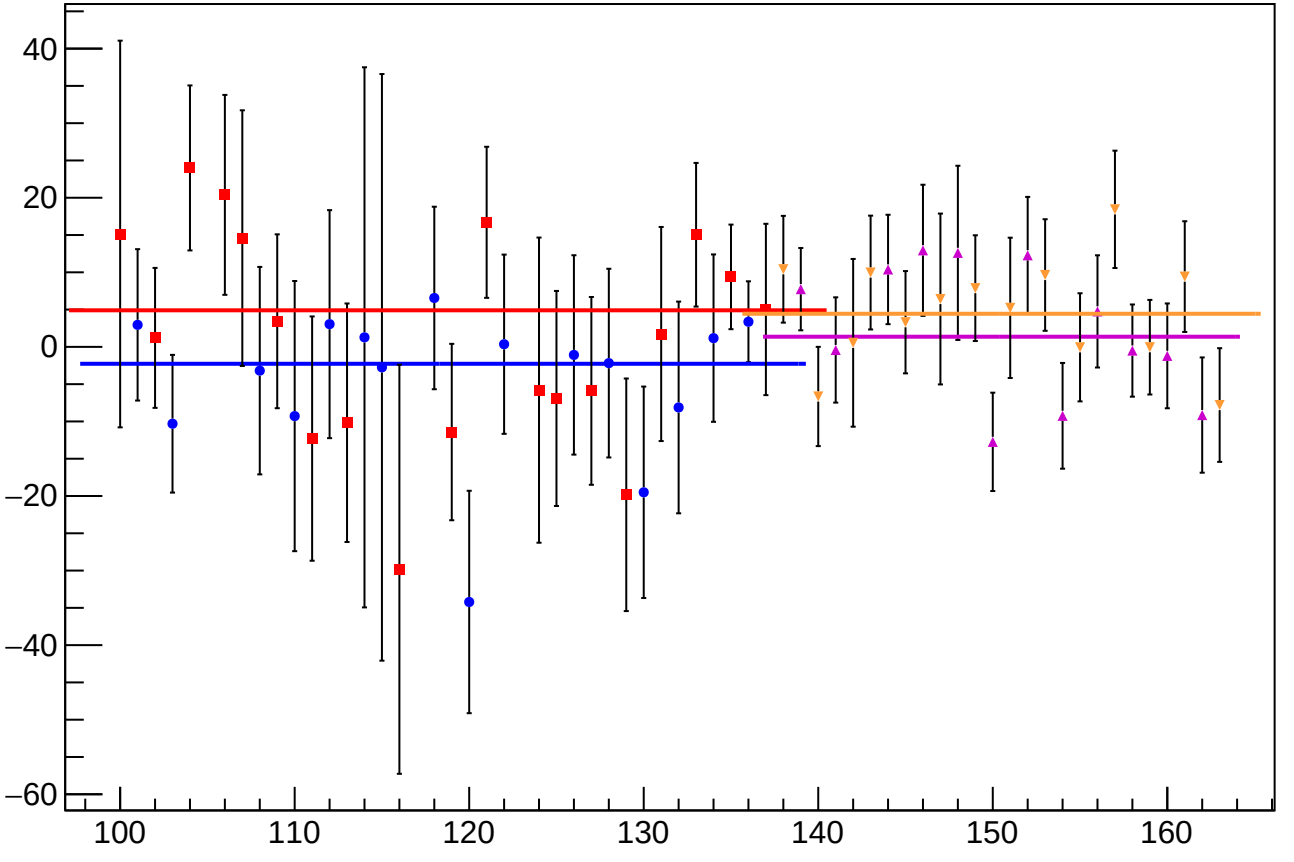
Left In: 9236.731+/-2.046 χ^2/NDF:243238.0/11

+ sign 10081.435+/-1.722 χ^2/NDF: 2279738.3/29

All: 10244.241+/-1.248 χ^2/NDF: 4653021.4/6

- sign 10424.221+/-1.810 χ^2/NDF: 2354455.7/30

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.441+/-2.039 χ^2/NDF:12.0/13

Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

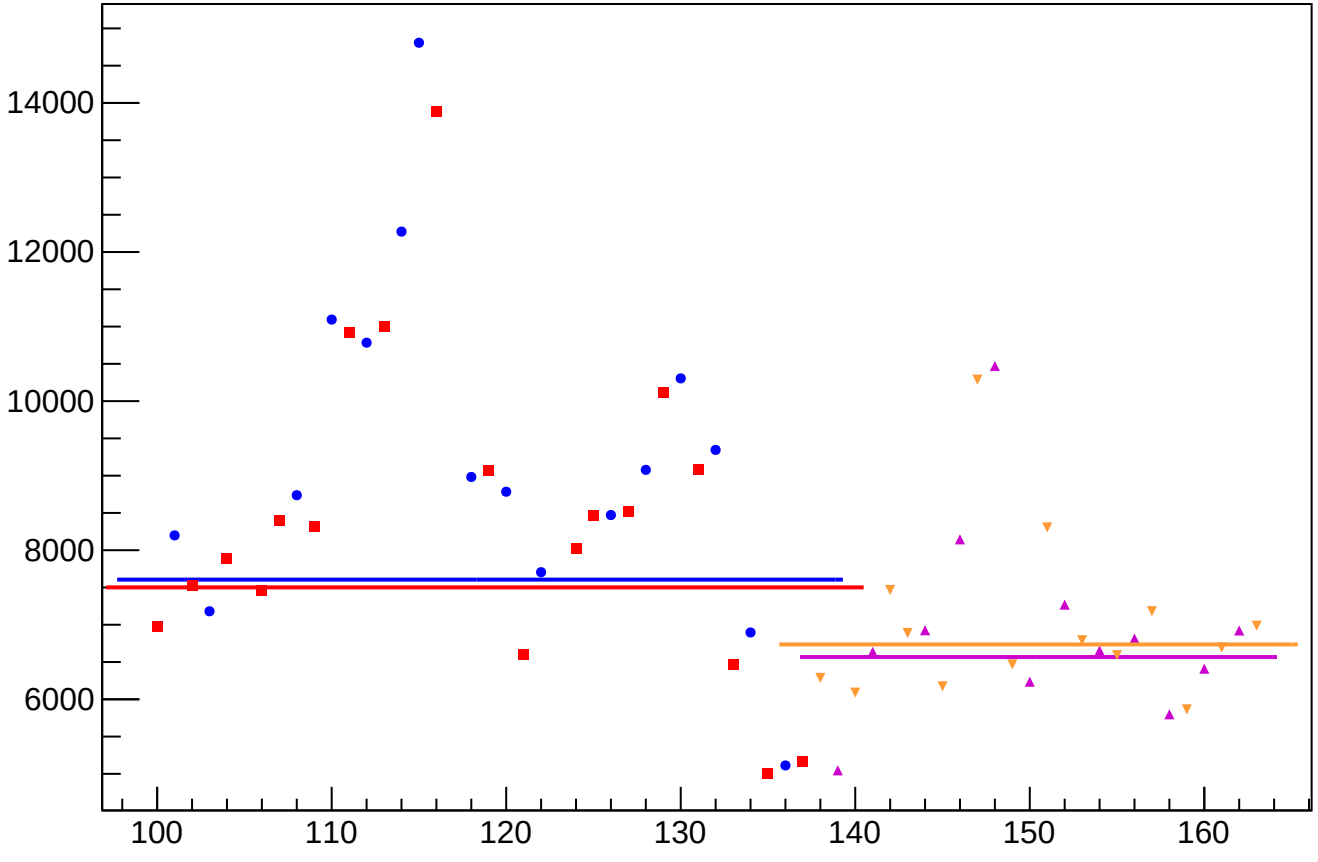
Left In: 1.363+/-2.078 χ^2/NDF:16.6/11

+ sign 2.244+/-1.672 χ^2/NDF: 24.8/29

All: 2.421+/-1.184 χ^2/NDF: 60.0/60

- sign 2.600+/-1.676 χ^2/NDF: 35.2/30

diff_bpm4aY_rms vs Slug



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6735.678+/-1.442 χ^2/NDF:347406.8/13

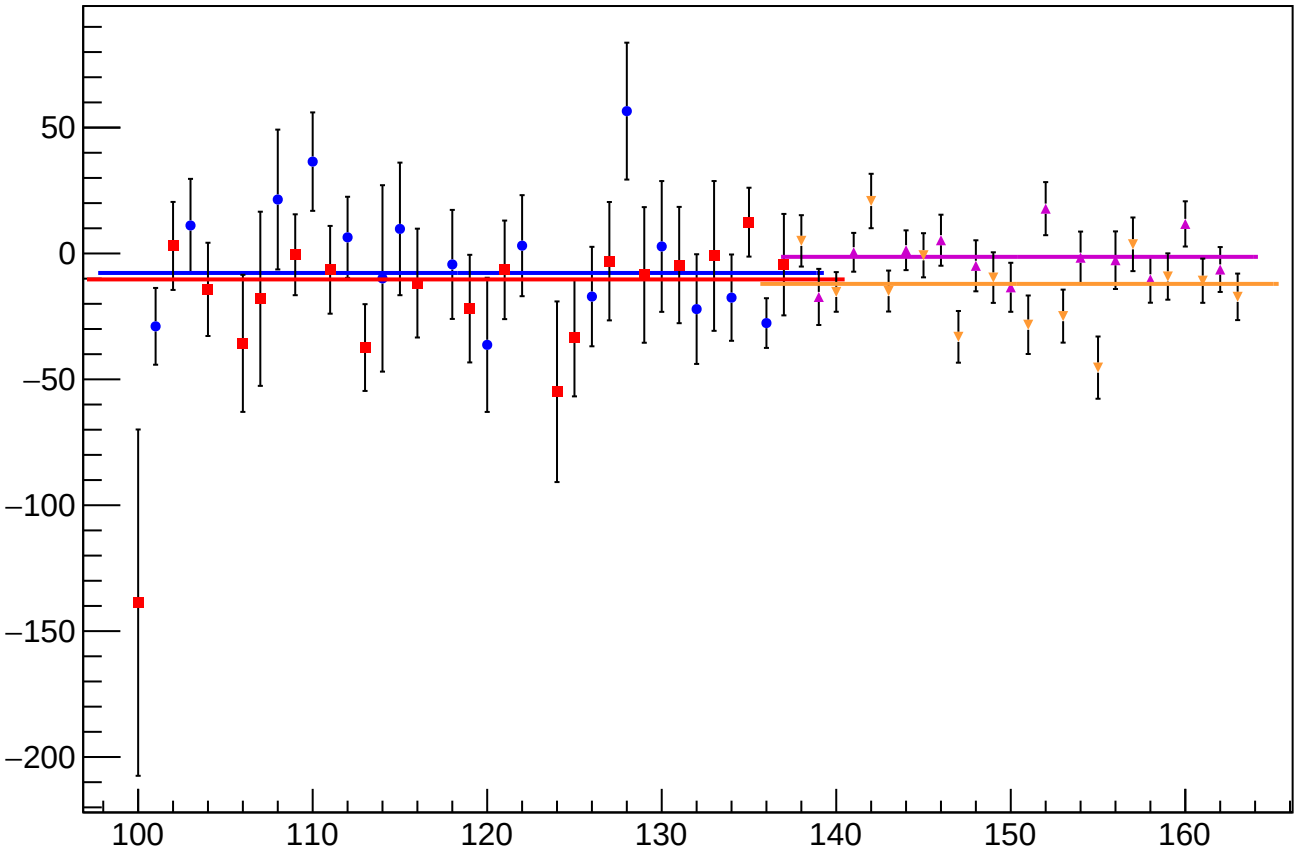
Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6566.906+/-1.469 χ^2/NDF:504069.9/11

+ sign 7020.640+/-1.182 χ^2/NDF: 1358131.9/29

All: 6957.117+/-0.837 χ^2/NDF: 2832901.5/60

- sign 6893.318+/-1.185 χ^2/NDF: 1468985.6/30



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.081+/-2.581 χ^2/NDF:31.6/13

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

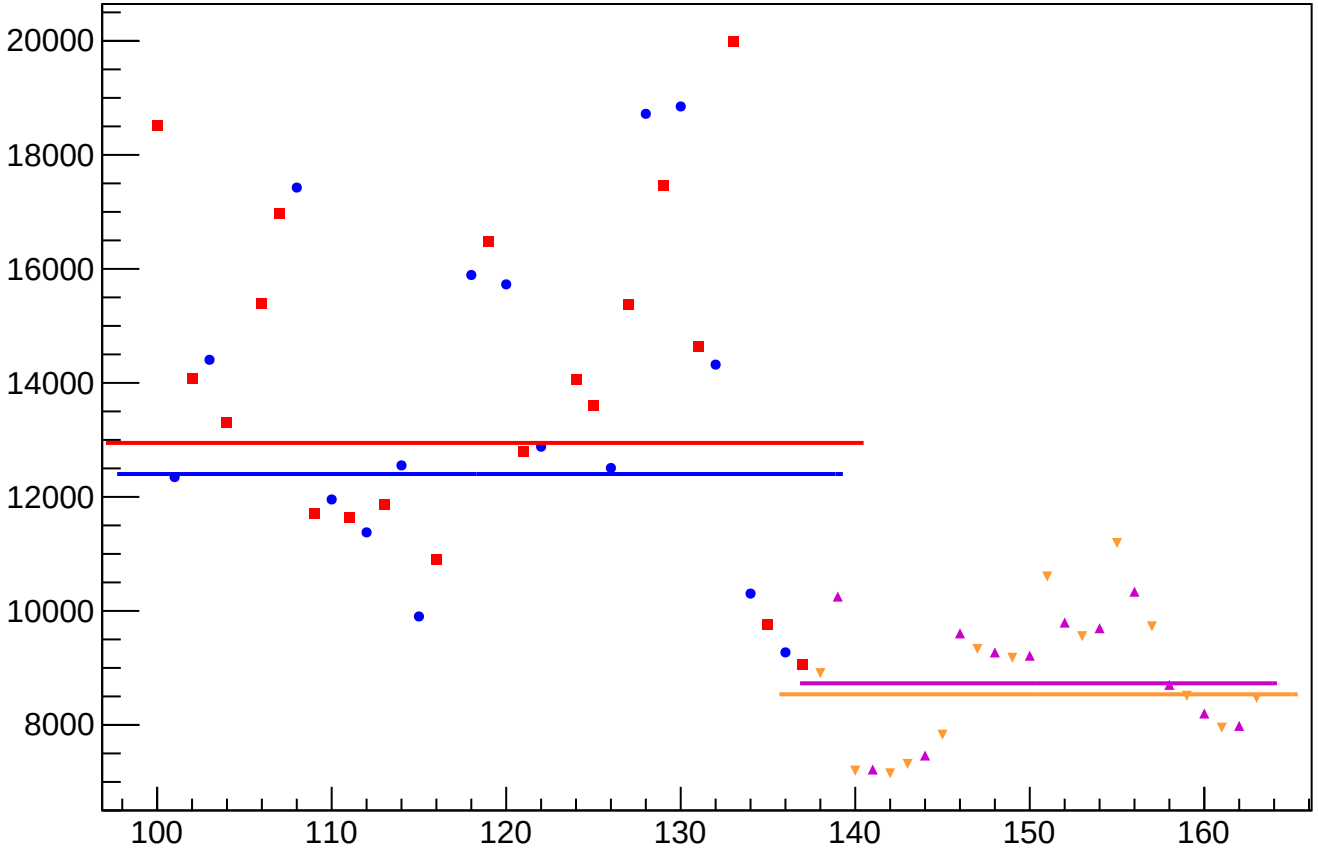
Left In: -1.339+/-2.737 χ^2/NDF:11.0/11

+ sign -11.091+/-2.268 χ^2/NDF: 54.9/29

All: -7.489+/-1.643 χ^2/NDF: 87.7/60

- sign -3.513+/-2.383 χ^2/NDF: 27.5/30

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8537.165+/-1.825 χ^2/NDF:380029.1/13

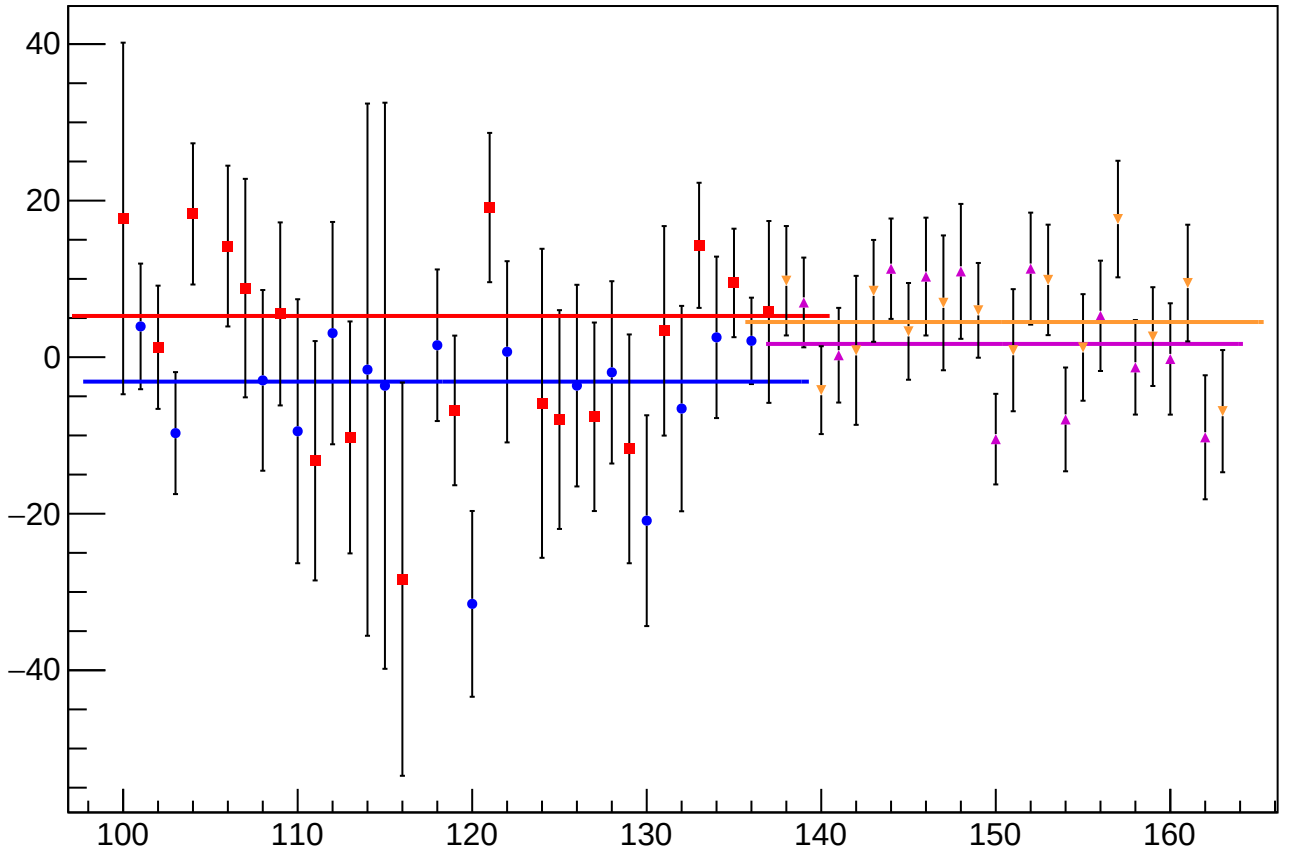
Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8730.398+/-1.935 χ^2/NDF:289543.5/11

+ sign 9418.707+/-1.604 χ^2/NDF: 2081034.9/29

All: 9577.300+/-1.162 χ^2/NDF: 4096723.3/60

- sign 9752.356+/-1.685 χ^2/NDF: 1995109.9/30



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.492+/-1.859 χ^2/NDF:10.5/13

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

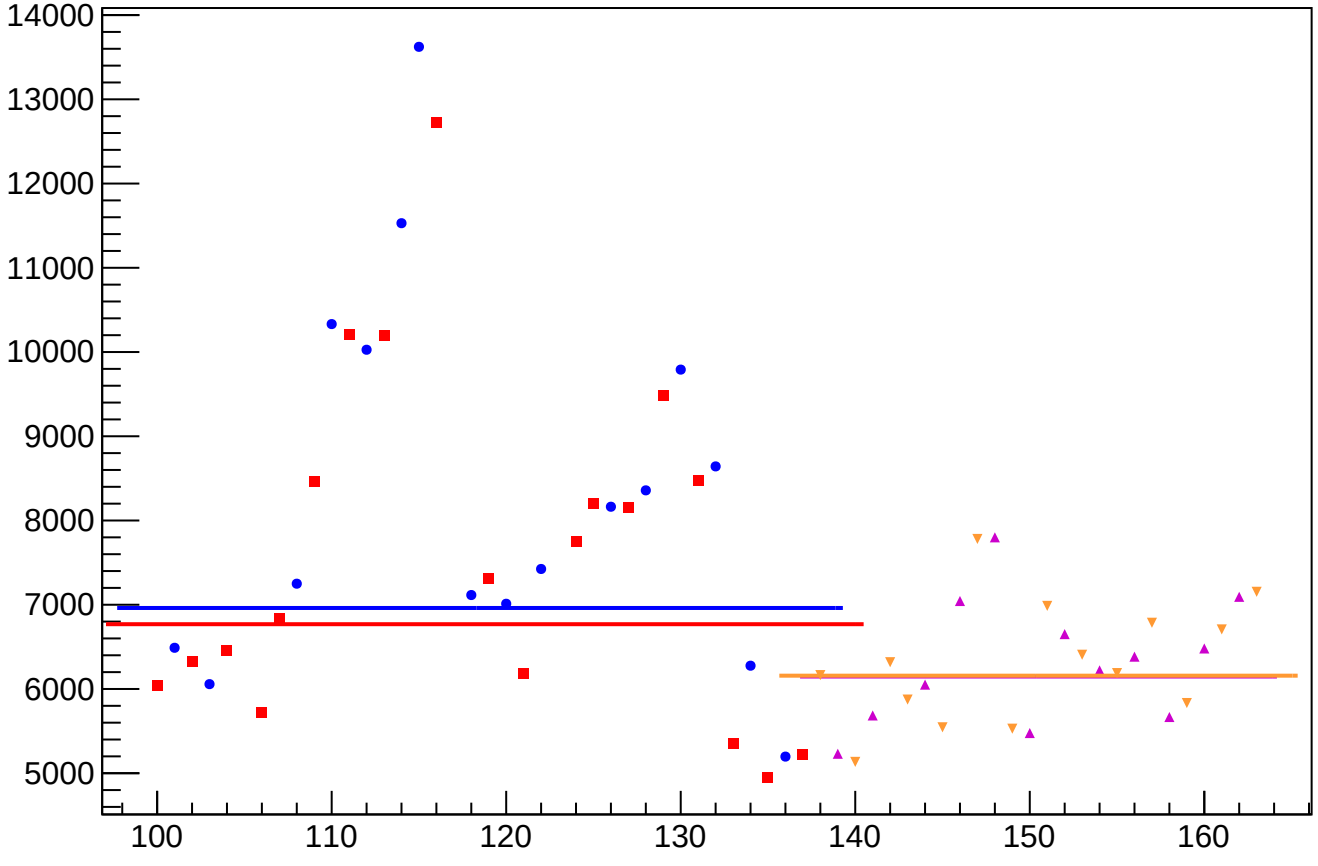
Left In: 1.693+/-1.930 χ^2/NDF:16.8/11

+ sign 1.988+/-1.523 χ^2/NDF: 26.9/29

All: 2.484+/-1.083 χ^2/NDF: 62.1/60

- sign 2.991+/-1.539 χ^2/NDF: 35.0/30

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6157.932+/-1.314 χ^2/NDF:271187.4/13

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

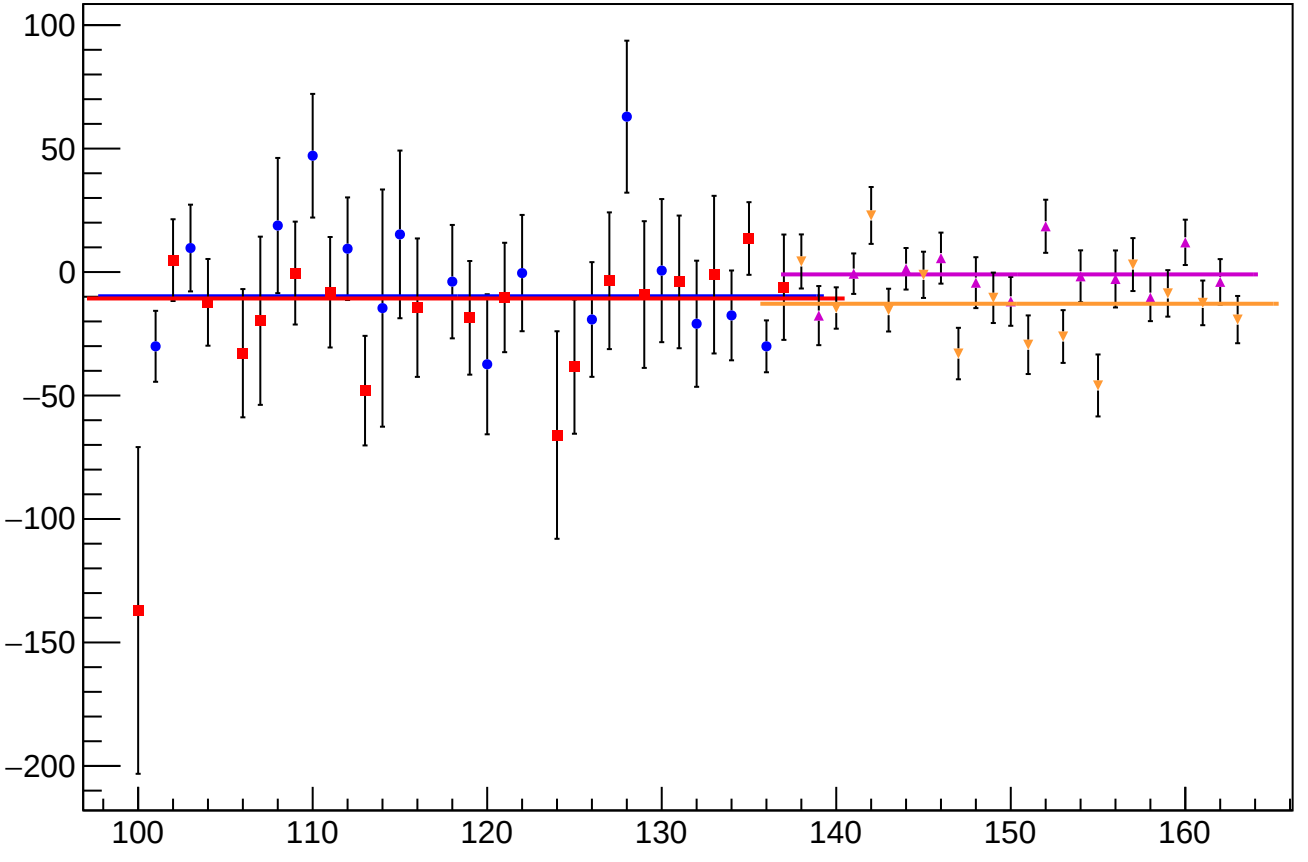
Left In: 6147.630+/-1.364 χ^2/NDF:250000.5/11

+ sign 6422.152+/-1.077 χ^2/NDF: 1090544.4/29

All: 6398.109+/-0.765 χ^2/NDF: 2215055.6/60

- sign 6373.535+/-1.089 χ^2/NDF: 1123502.9/30

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.838+/-2.682 χ^2/NDF:30.9/13

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

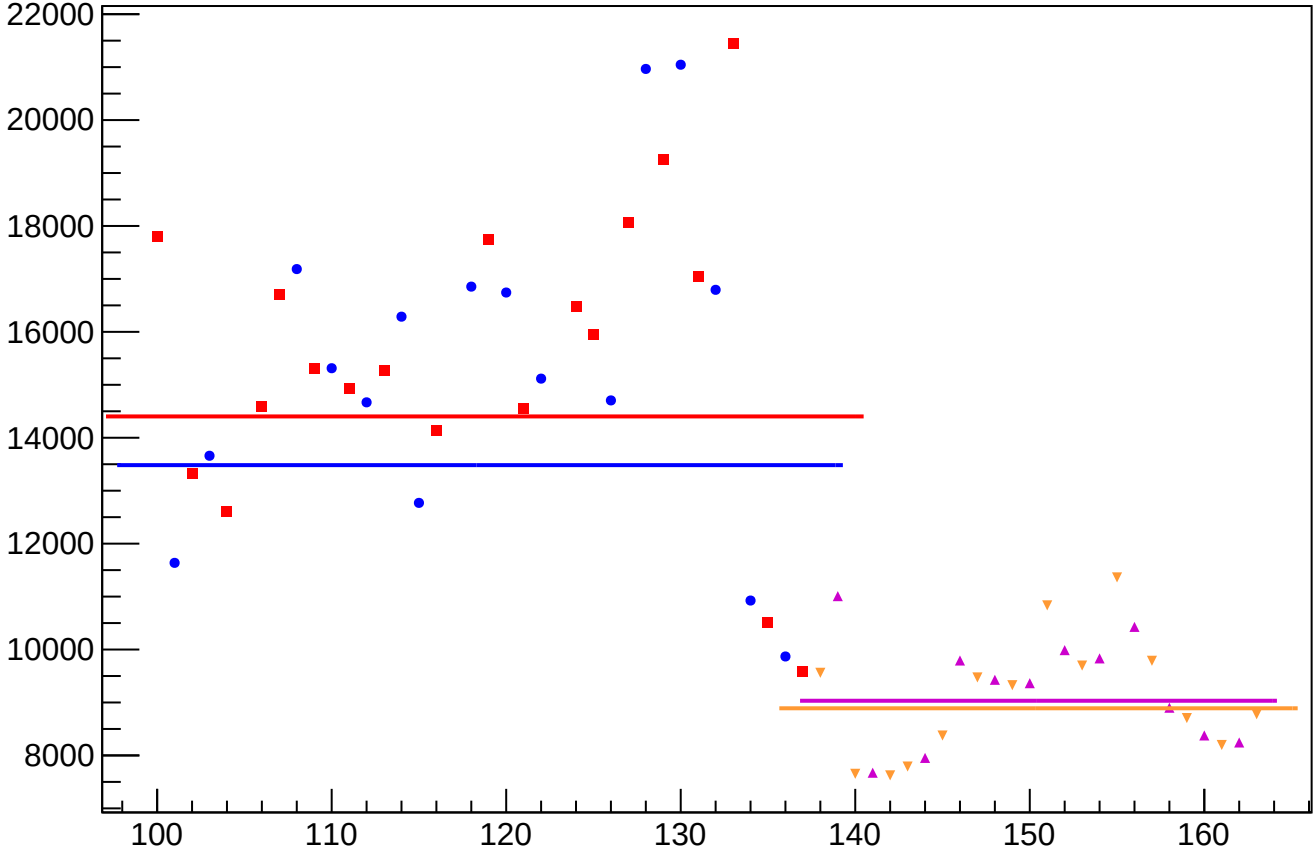
Left In: -0.951+/-2.829 χ^2/NDF:10.2/11

+ sign -12.197+/-2.382 χ^2/NDF: 53.2/29

All: -7.858+/-1.726 χ^2/NDF: 87.2/60

- sign -3.062+/-2.504 χ^2/NDF: 27.0/30

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8890.319+/-1.897 χ^2/NDF:293027.9/13

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

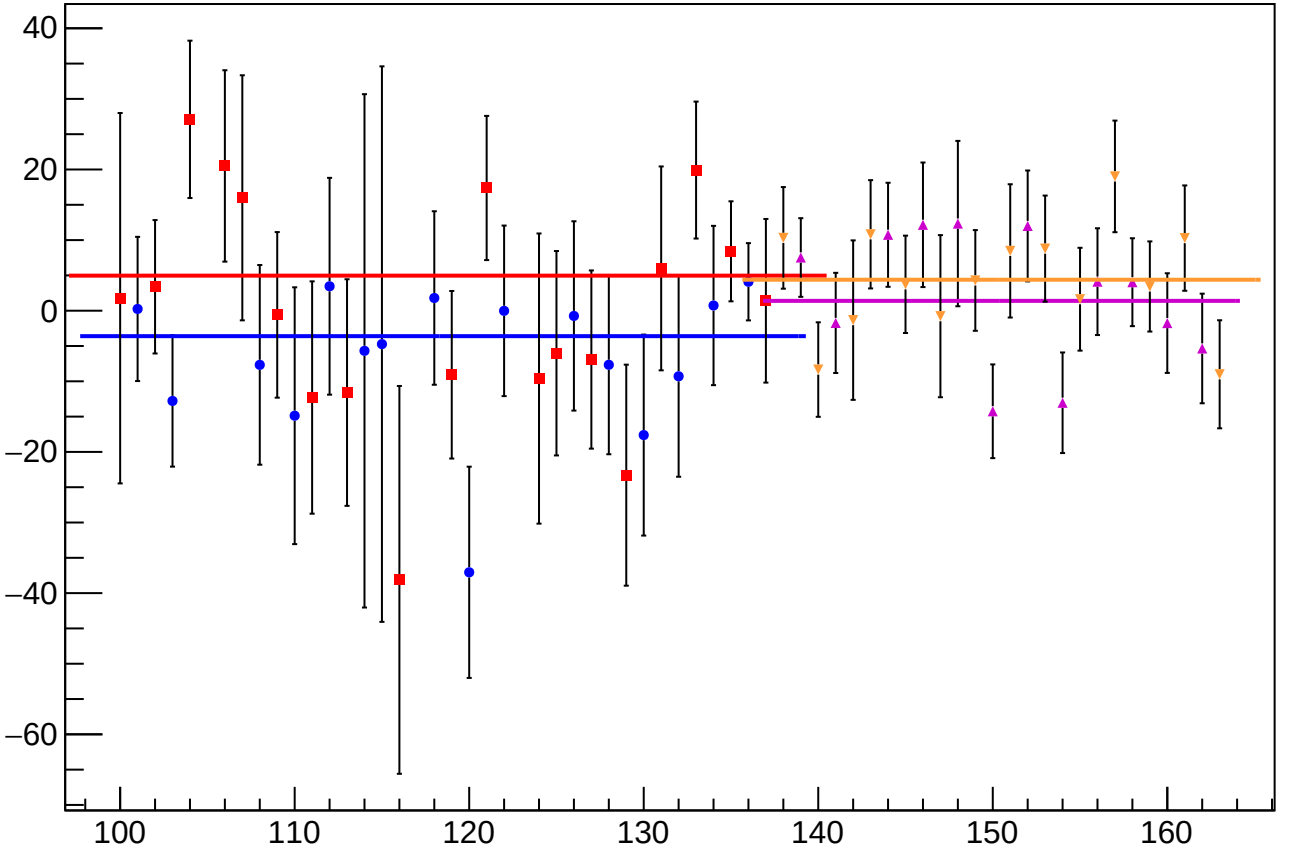
Left In: 9032.736+/-2.000 χ^2/NDF:240283.0/11

+ sign 9861.849+/-1.684 χ^2/NDF: 2277192.6/29

All: 10020.344+/-1.220 χ^2/NDF: 4649285.4/6

- sign 10195.517+/-1.770 χ^2/NDF: 2353445.0/30

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.387+/-2.049 χ^2/NDF:13.3/13

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

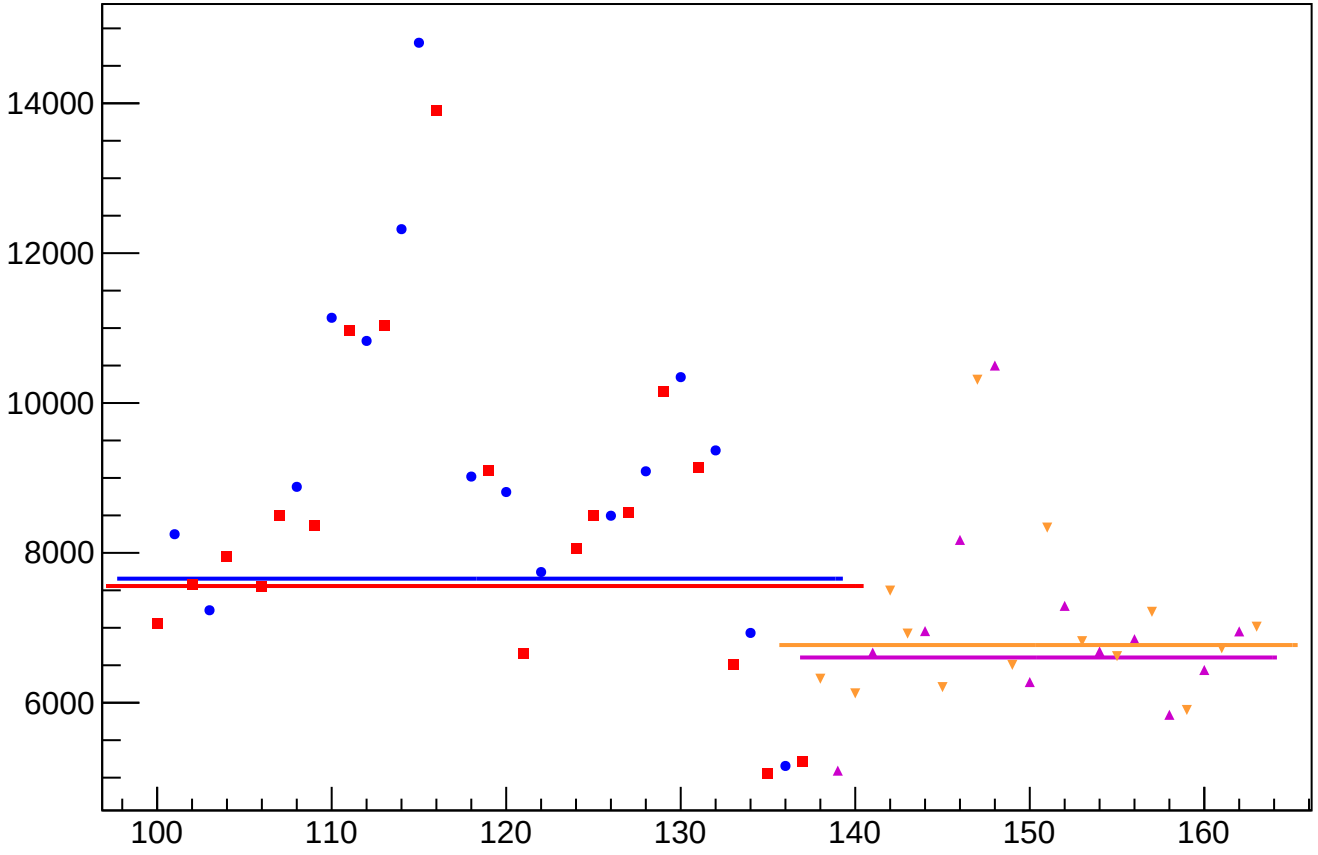
Left In: 1.393+/-2.089 χ^2/NDF:18.1/11

+ sign 1.774+/-1.681 χ^2/NDF: 28.7/29

All: 2.205+/-1.190 χ^2/NDF: 69.4/60

- sign 2.638+/-1.686 χ^2/NDF: 40.5/30

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6769.755+/-1.449 χ^2/NDF:343039.8/13

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

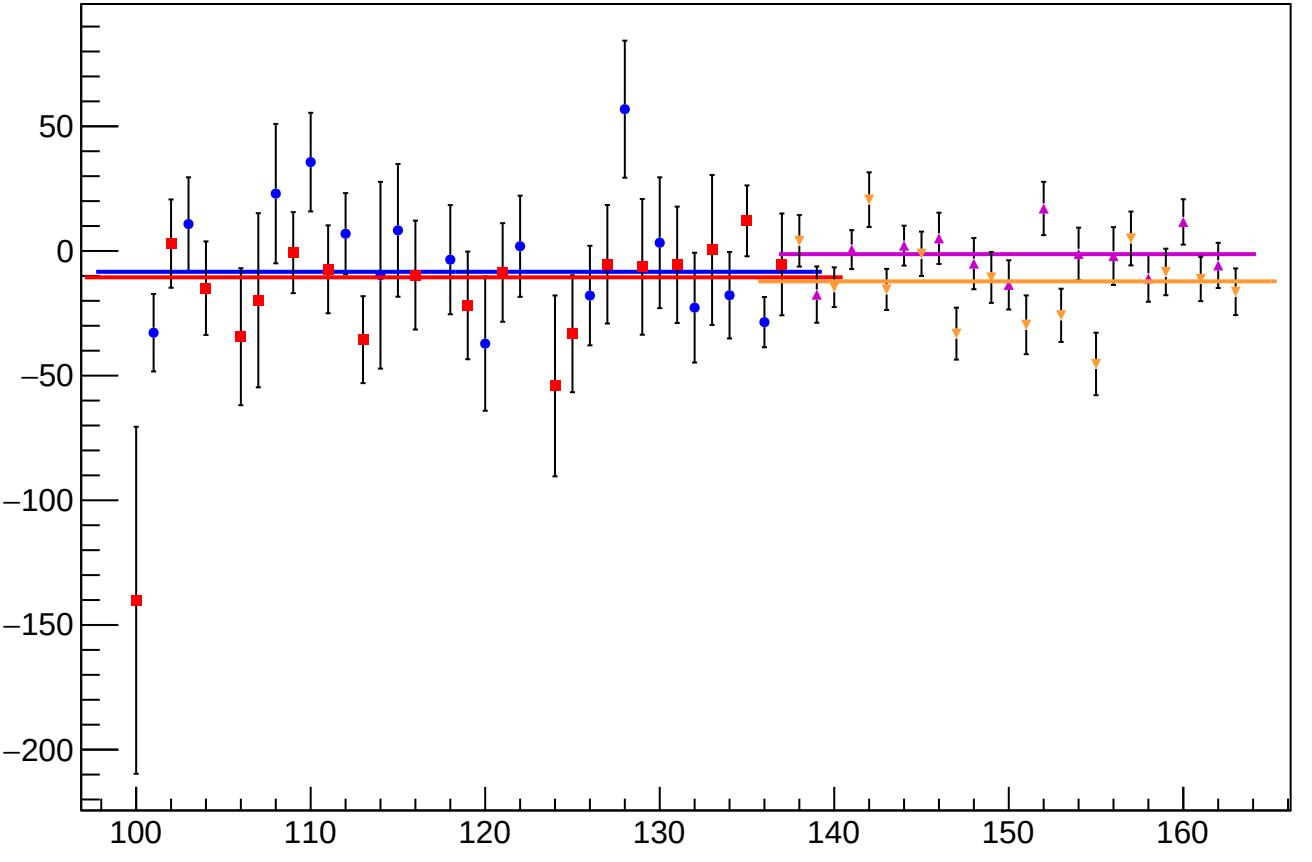
Left In: 6603.826+/-1.477 χ^2/NDF:494400.8/11

+ sign 7059.489+/-1.189 χ^2/NDF: 1345085.8/29

All: 6998.020+/-0.842 χ^2/NDF: 2800047.0/60

- sign 6936.212+/-1.192 χ^2/NDF: 1449598.6/30

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.179+/-2.616 χ^2/NDF:31.0/13

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

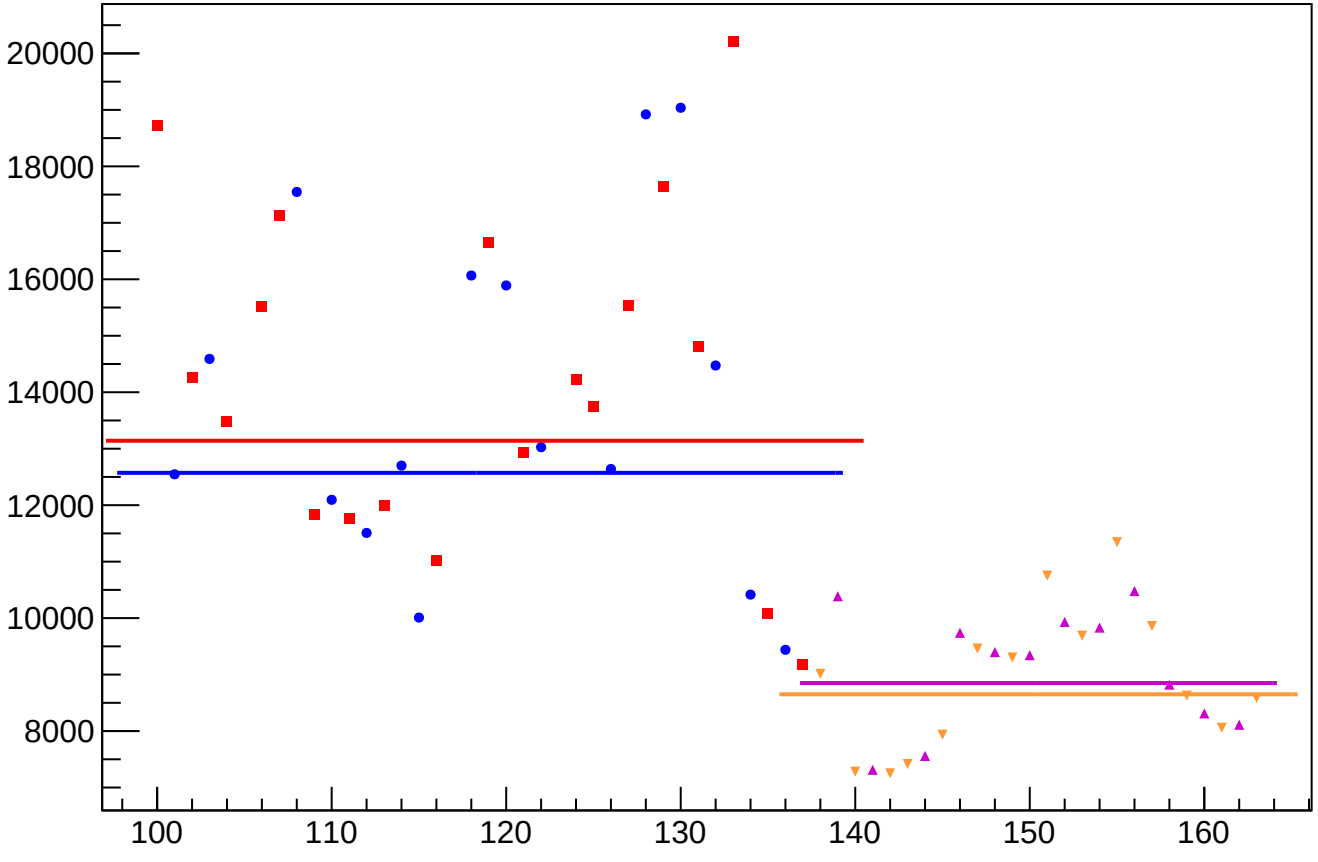
Left In: -1.274+/-2.775 χ^2/NDF:10.6/11

+ sign -11.306+/-2.298 χ^2/NDF: 54.8/29

All: -7.610+/-1.665 χ^2/NDF: 86.5/60

- sign -3.525+/-2.416 χ^2/NDF: 26.3/30

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8650.526+/-1.849 χ^2/NDF:381527.6/13

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

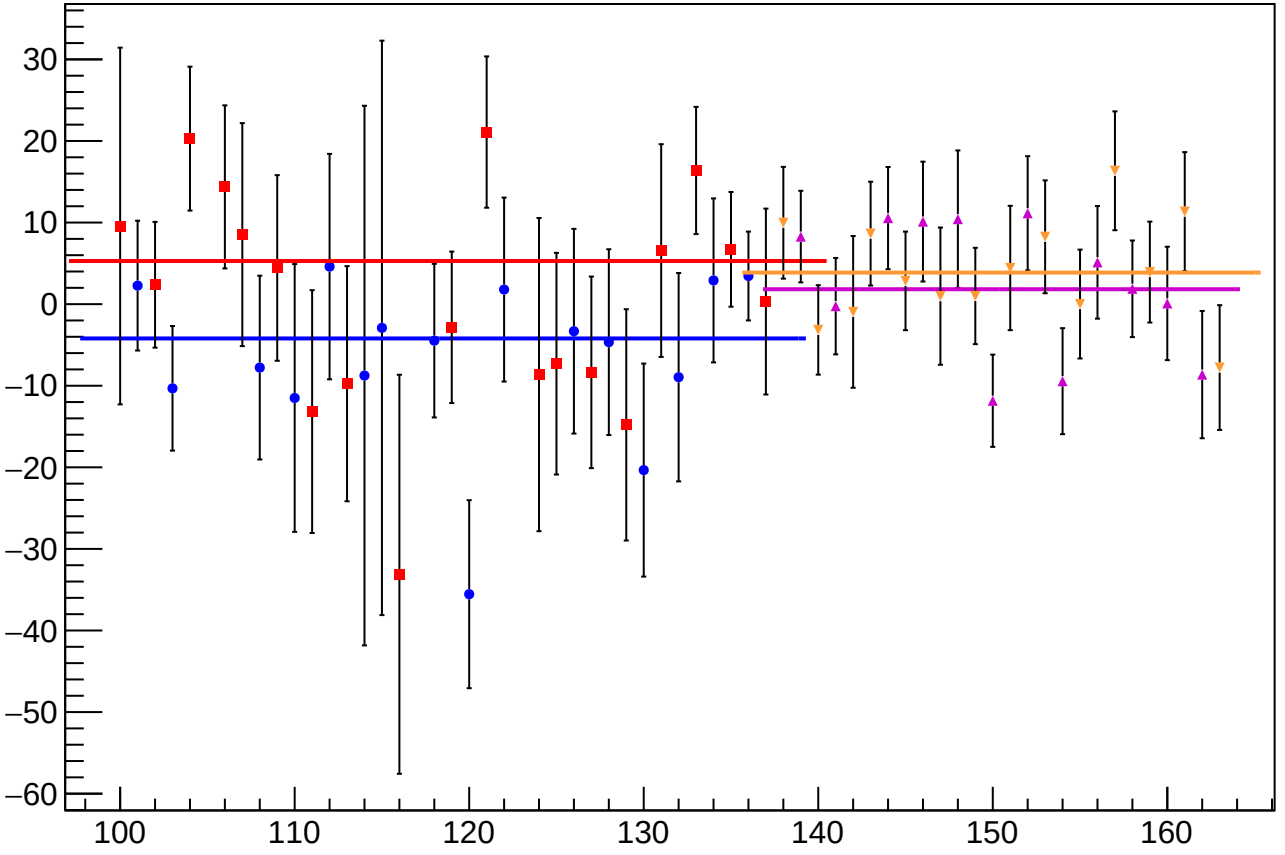
Left In: 8850.837+/-1.962 χ^2/NDF:289830.2/11

+ sign 9544.501+/-1.625 χ^2/NDF: 2071606.7/29

All: 9708.275+/-1.177 χ^2/NDF: 4074586.9/60

- sign 9889.272+/-1.708 χ^2/NDF: 1981599.2/30

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.871+/-1.818 χ^2/NDF:10.7/13

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

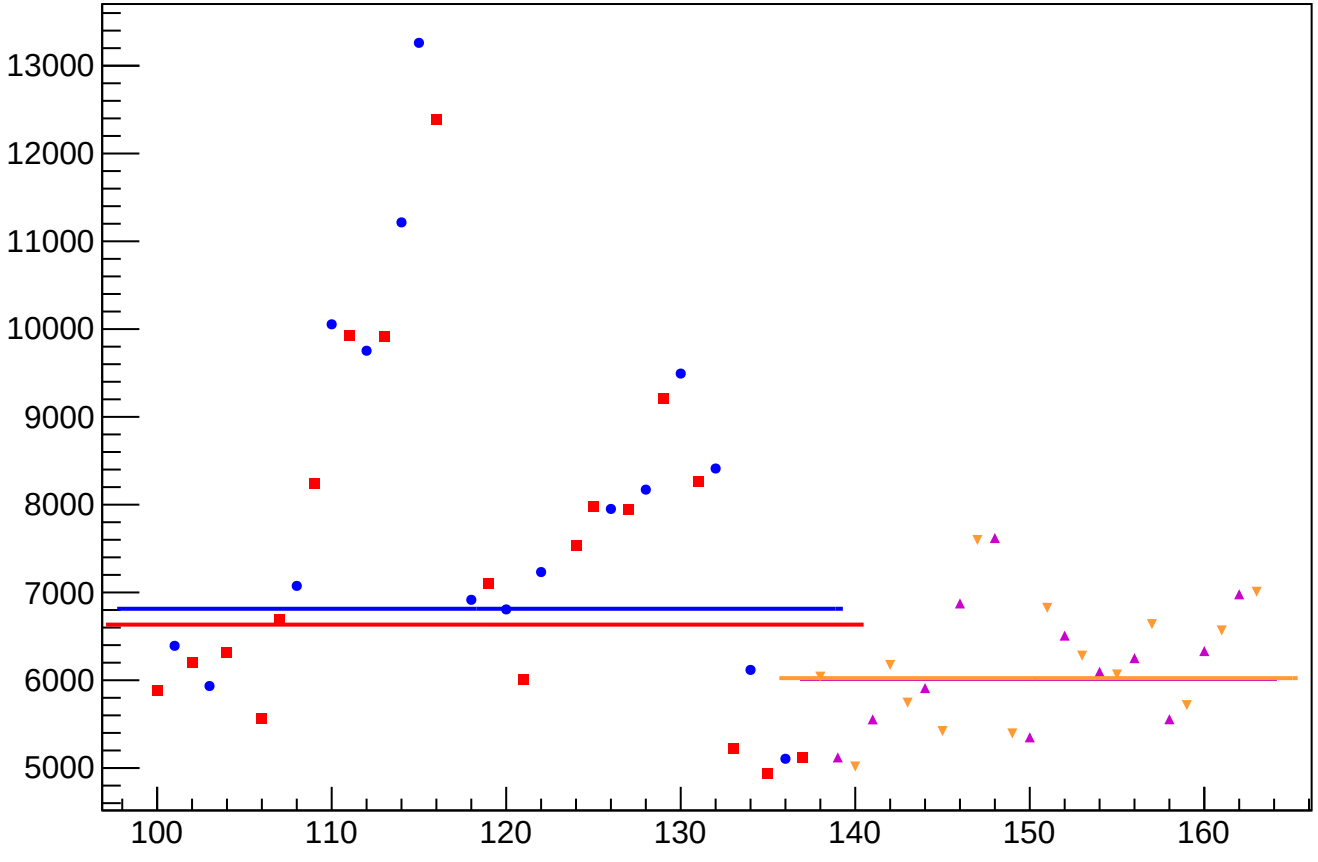
Left In: 1.830+/-1.888 χ^2/NDF:18.4/11

+ sign 1.219+/-1.490 χ^2/NDF: 31.0/29

All: 2.141+/-1.060 χ^2/NDF: 71.2/60

- sign 3.084+/-1.507 χ^2/NDF: 39.4/30

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6023.859+/-1.286 χ^2/NDF:272794.2/13

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

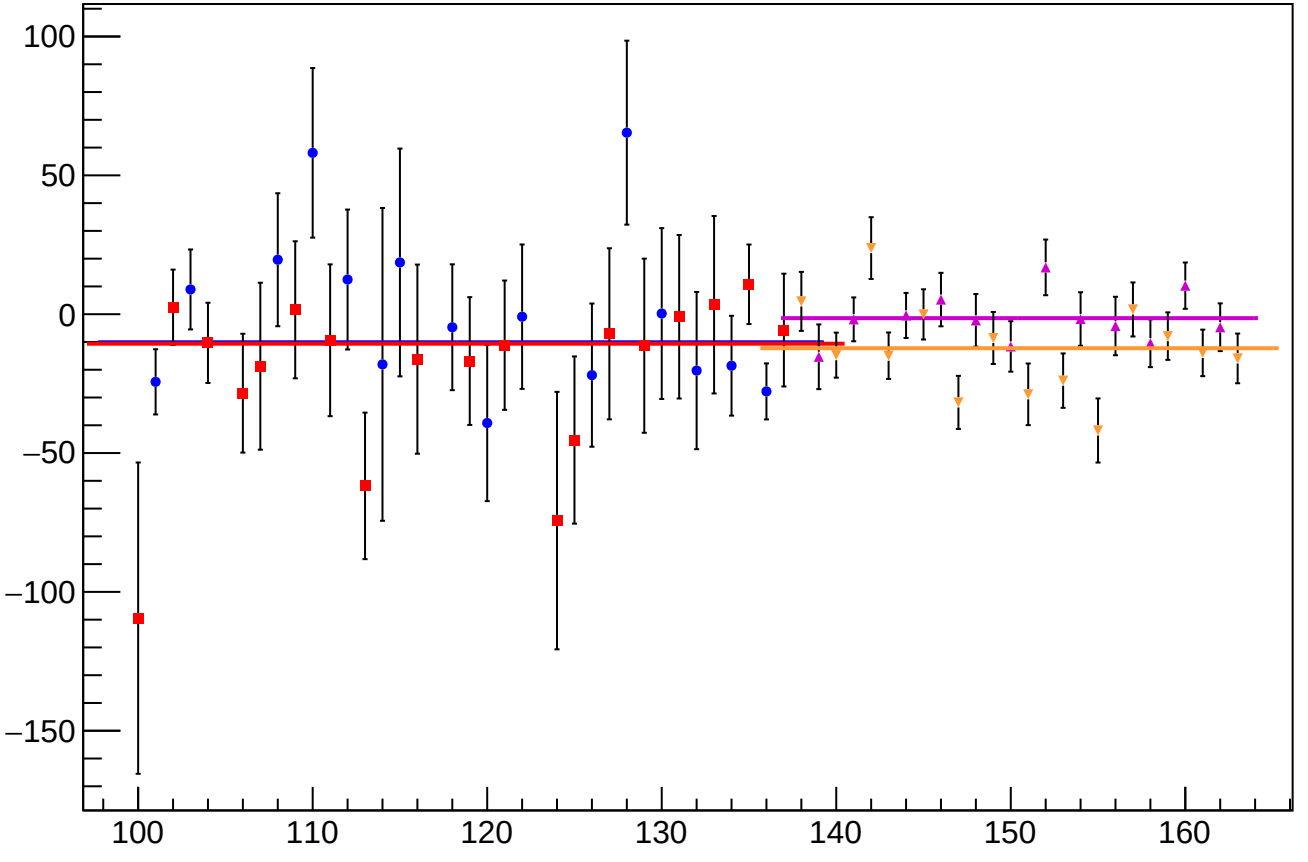
Left In: 6014.599+/-1.335 χ^2/NDF:250532.9/11

+ sign 6283.398+/-1.054 χ^2/NDF: 1071002.8/29

All: 6261.561+/-0.749 χ^2/NDF: 2163776.1/60

- sign 6239.222+/-1.066 χ^2/NDF: 1091904.3/30

diff_bpm1X_mean vs Slug



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.246+/-2.515 χ^2/NDF:32.1/13

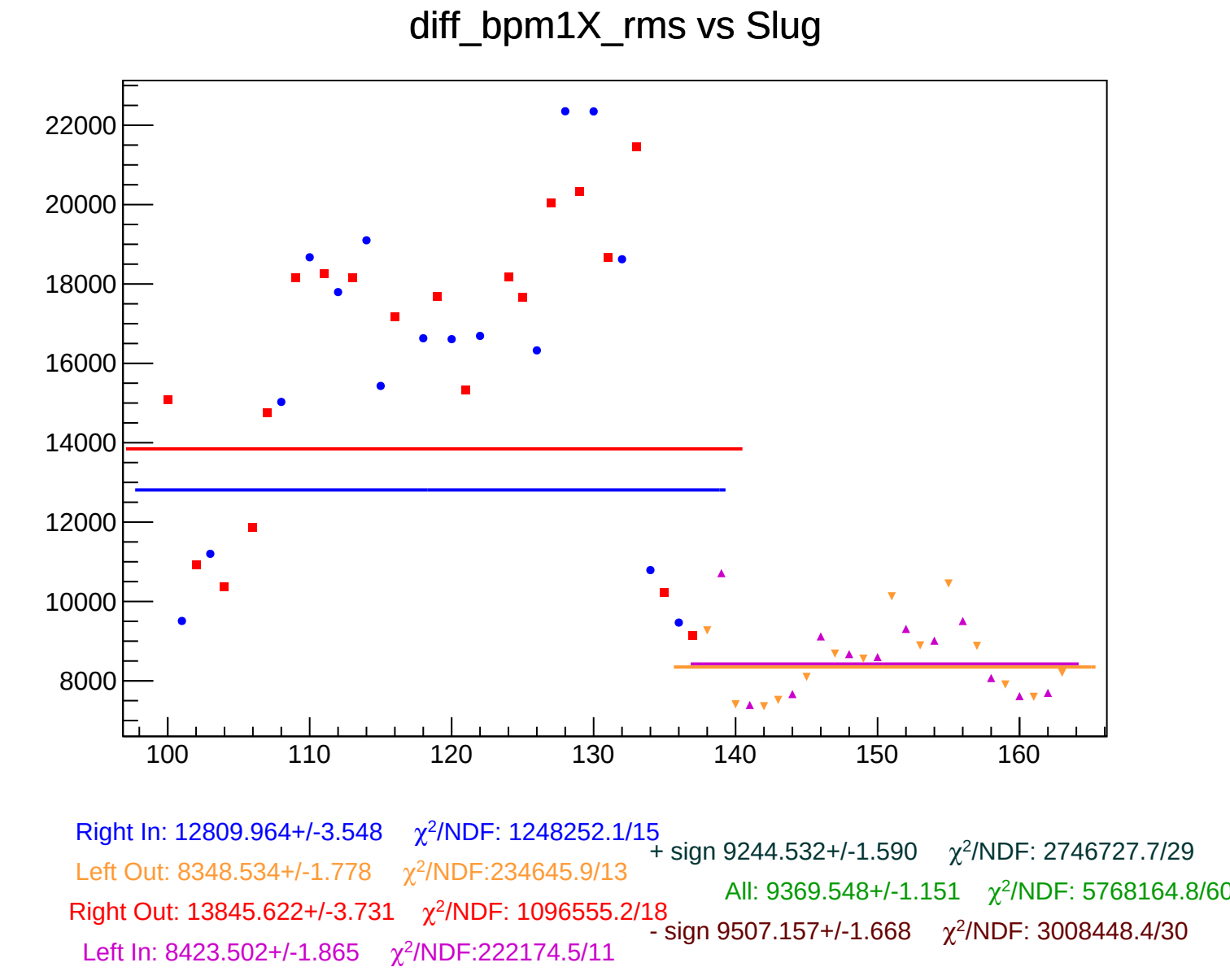
Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: -1.424+/-2.637 χ^2/NDF:9.8/11

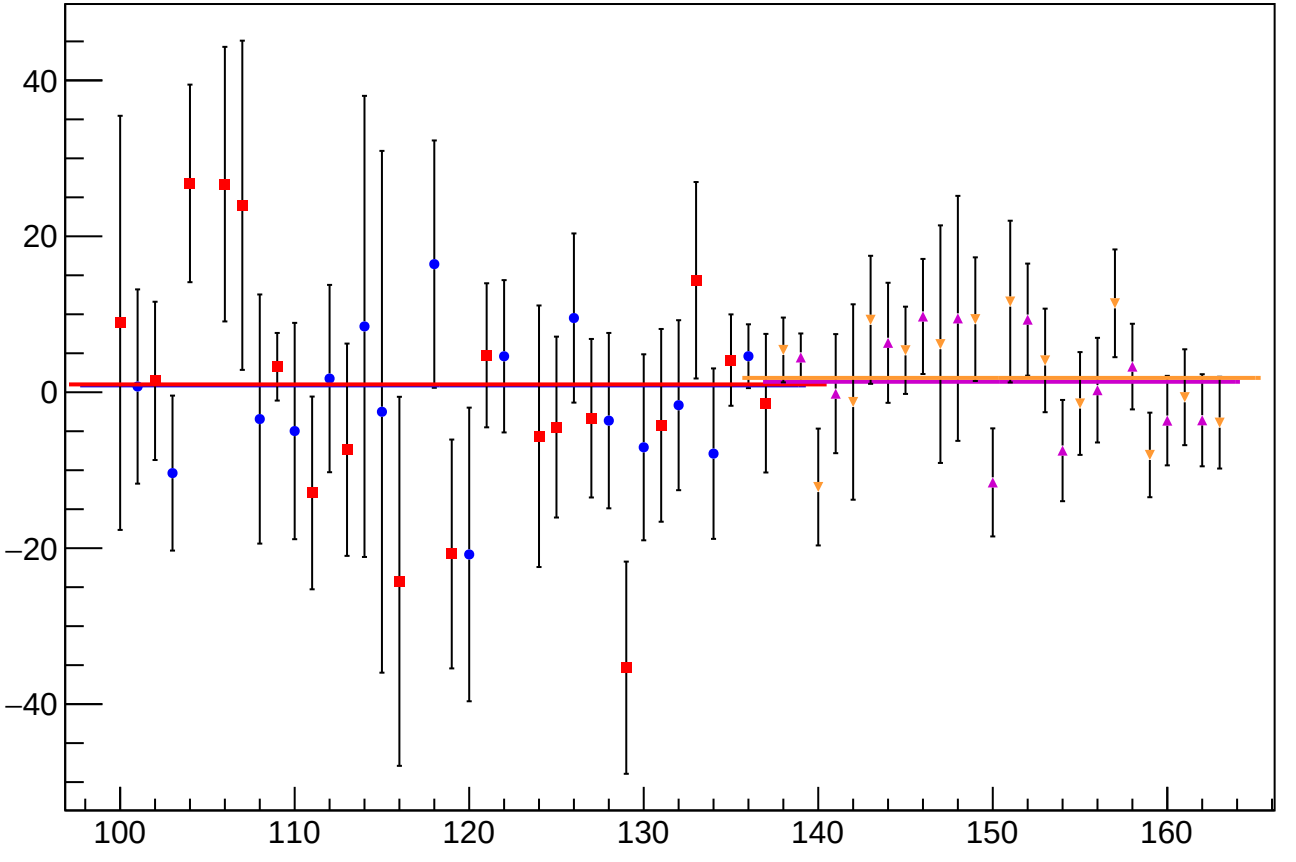
+ sign -11.818+/-2.248 χ^2/NDF: 53.6/29

All: -7.745+/-1.628 χ^2/NDF: 87.4/60

- sign -3.263+/-2.359 χ^2/NDF: 27.0/30


diff_bpm1X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8348.534+/-1.778 χ²/NDF:234645.9/13
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8423.502+/-1.865 χ²/NDF:222174.5/11
+ sign 9244.532+/-1.590 χ²/NDF: 2746727.7/29
All: 9369.548+/-1.151 χ²/NDF: 5768164.8/60
- sign 9507.157+/-1.668 χ²/NDF: 3008448.4/30

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.841+/-1.784 χ^2/NDF:14.1/13

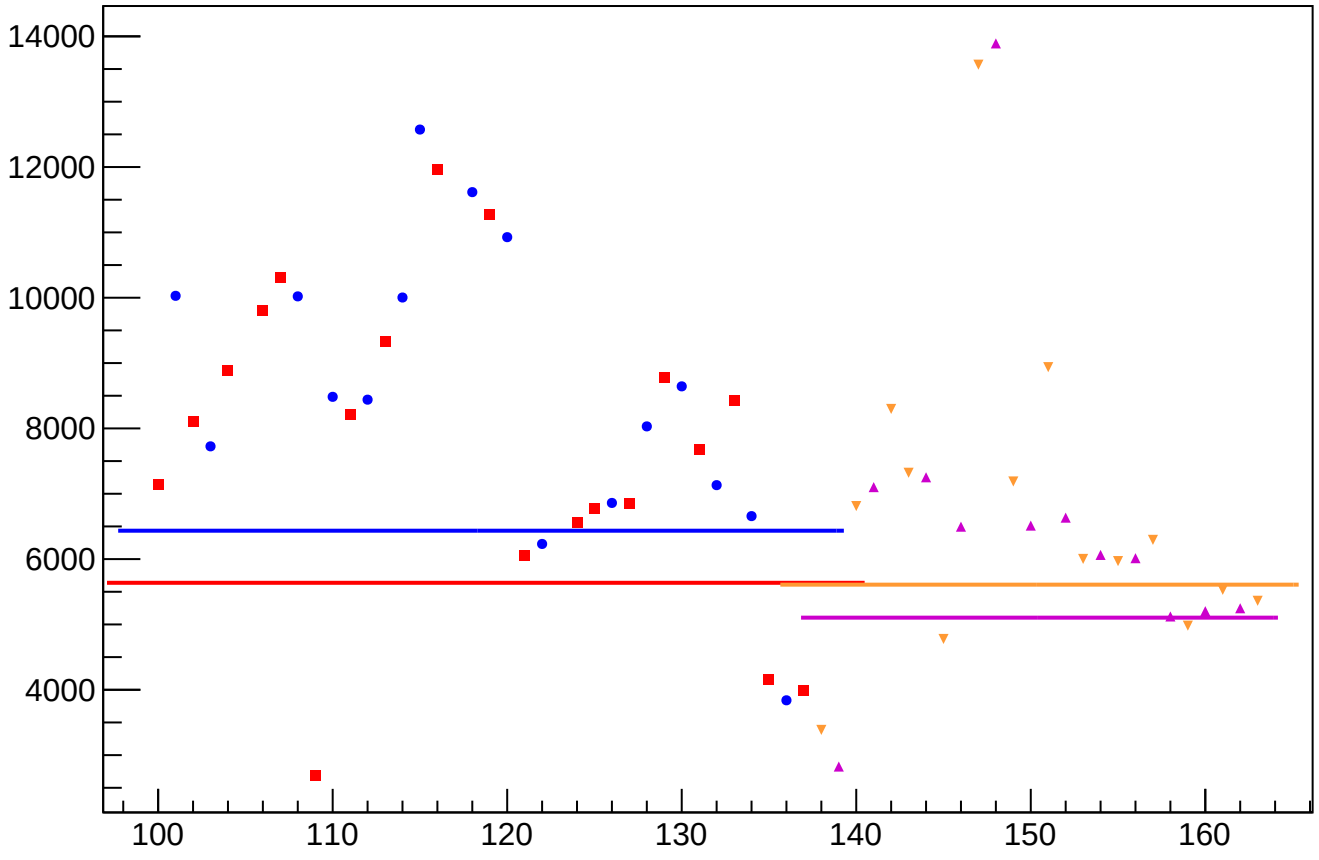
Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: 1.345+/-1.713 χ^2/NDF:11.2/11

+ sign 1.528+/-1.465 χ^2/NDF: 21.0/29

All: 1.367+/-1.003 χ^2/NDF: 54.6/60

- sign 1.225+/-1.377 χ^2/NDF: 33.5/30



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5608.866+/-1.261 χ^2/NDF:1741468.8/13

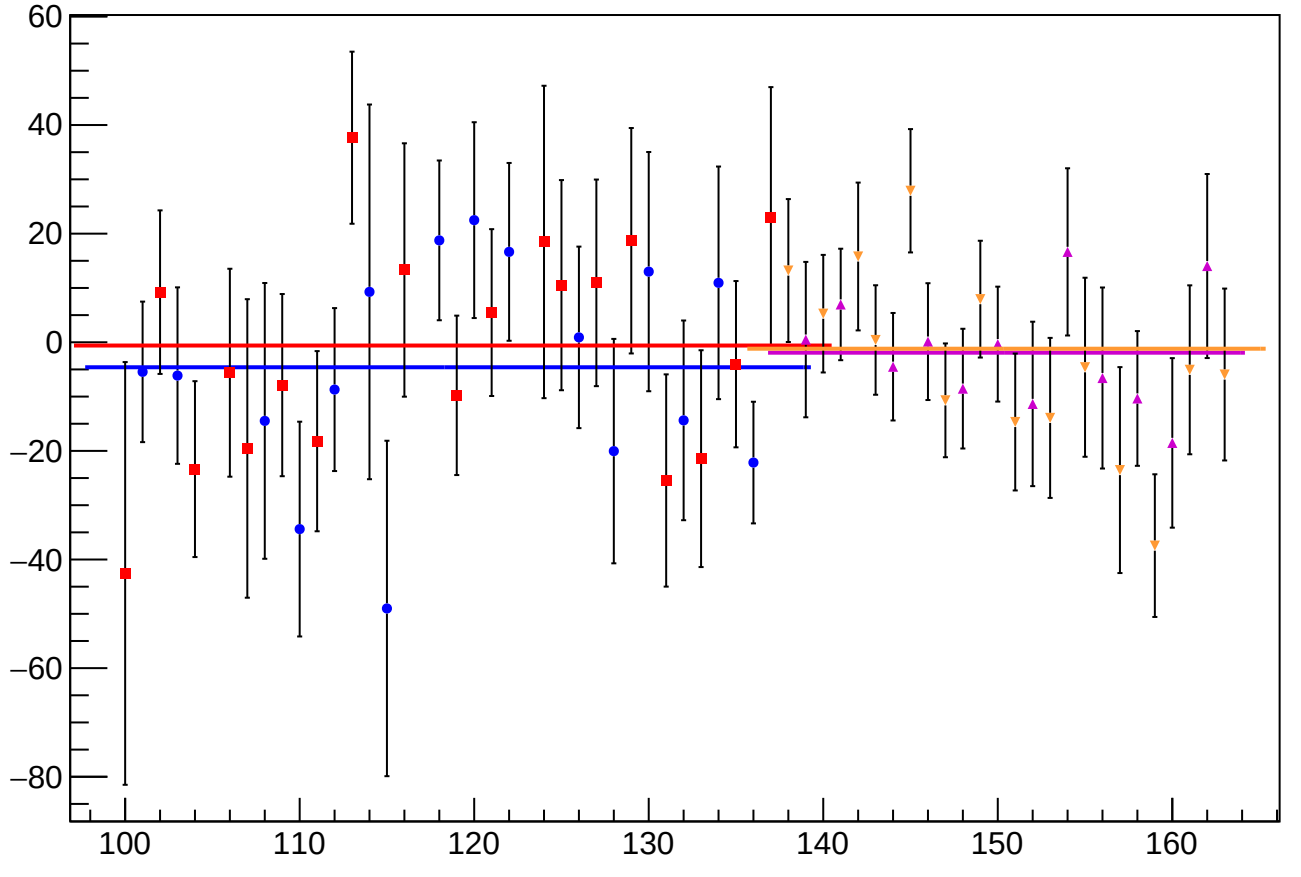
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5103.913+/-1.212 χ^2/NDF:2345215.1/11

\+ sign 5877.832+/-1.036 χ^2/NDF: 3631699.8/29

All: 5567.302+/-0.709 χ^2/NDF: 8794969.8/60

\- sign 5292.813+/-0.974 χ^2/NDF: 4993880.5/30



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.185+/-3.403 χ^2/NDF:22.3/13

Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

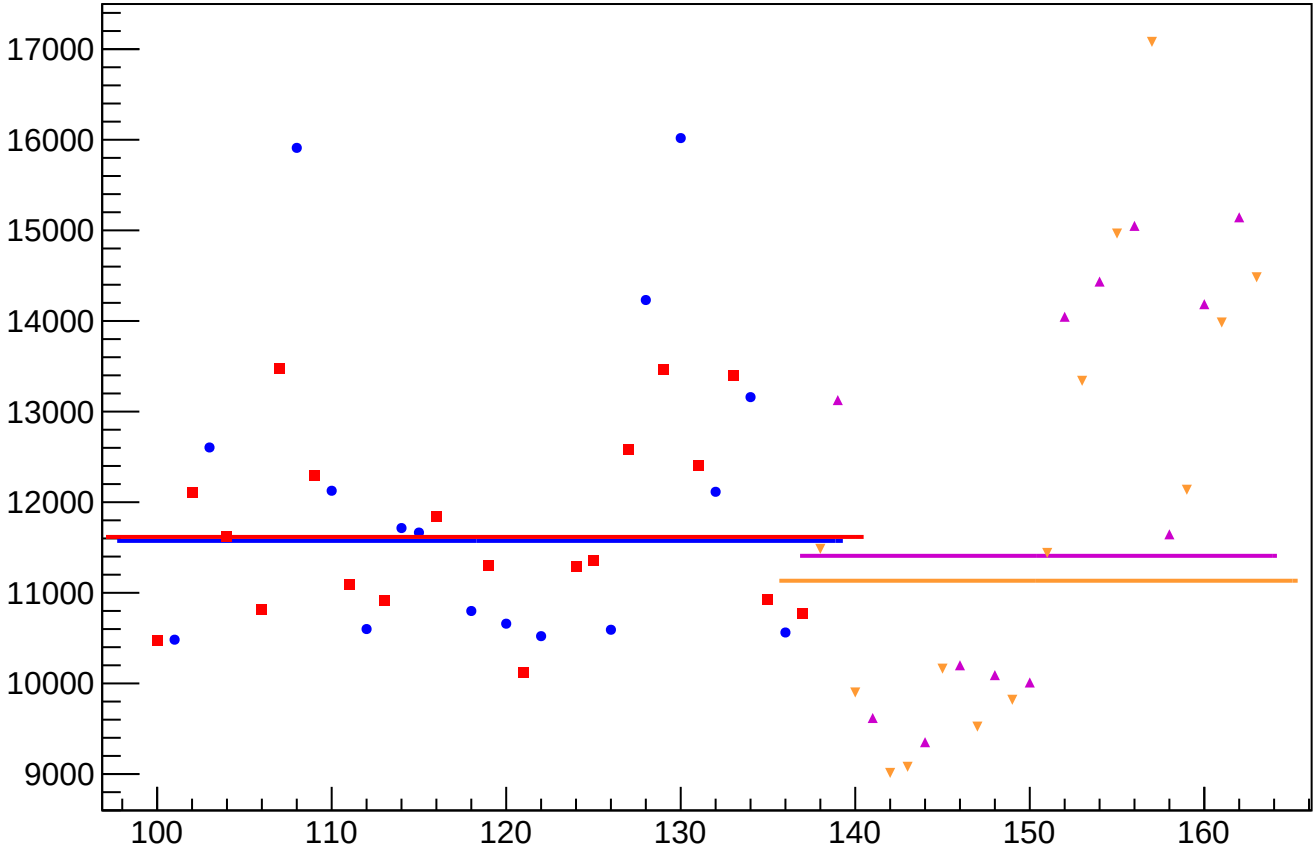
Left In: -1.919+/-3.611 χ^2/NDF:5.7/11

+ sign -2.481+/-2.681 χ^2/NDF: 38.5/29

All: -1.940+/-1.922 χ^2/NDF: 62.2/60

- sign -1.368+/-2.757 χ^2/NDF: 23.6/30

diff_bpm11X_rms vs Slug



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11133.362+/-2.406 χ^2/NDF:769959.0/13

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

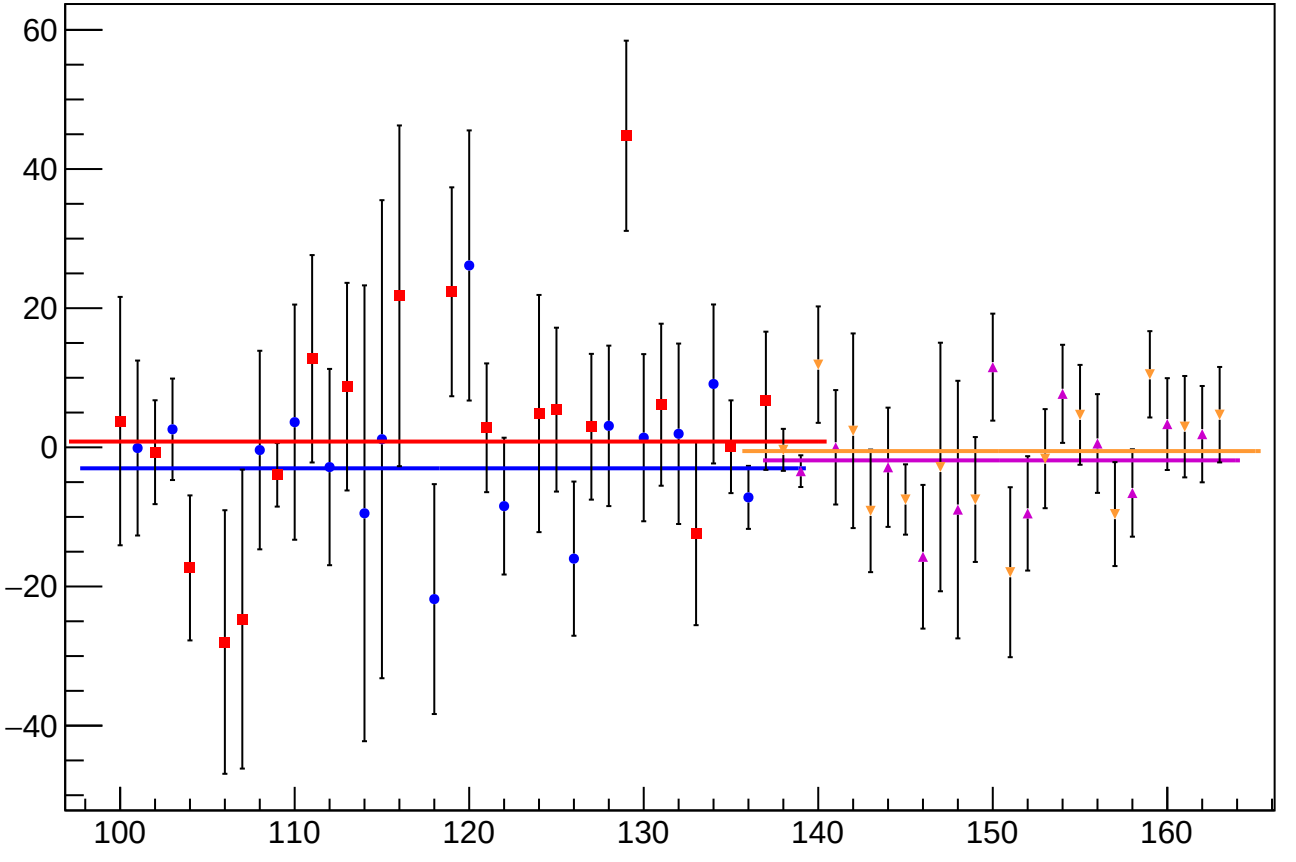
Left In: 11408.276+/-2.554 χ^2/NDF:659579.1/11

+ sign 11300.073+/-1.896 χ^2/NDF: 1042686.3/29

All: 11394.993+/-1.359 χ^2/NDF: 1803368.5/6

- sign 11495.308+/-1.949 χ^2/NDF: 755527.2/30

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.539+/-1.750 χ^2/NDF:13.7/13

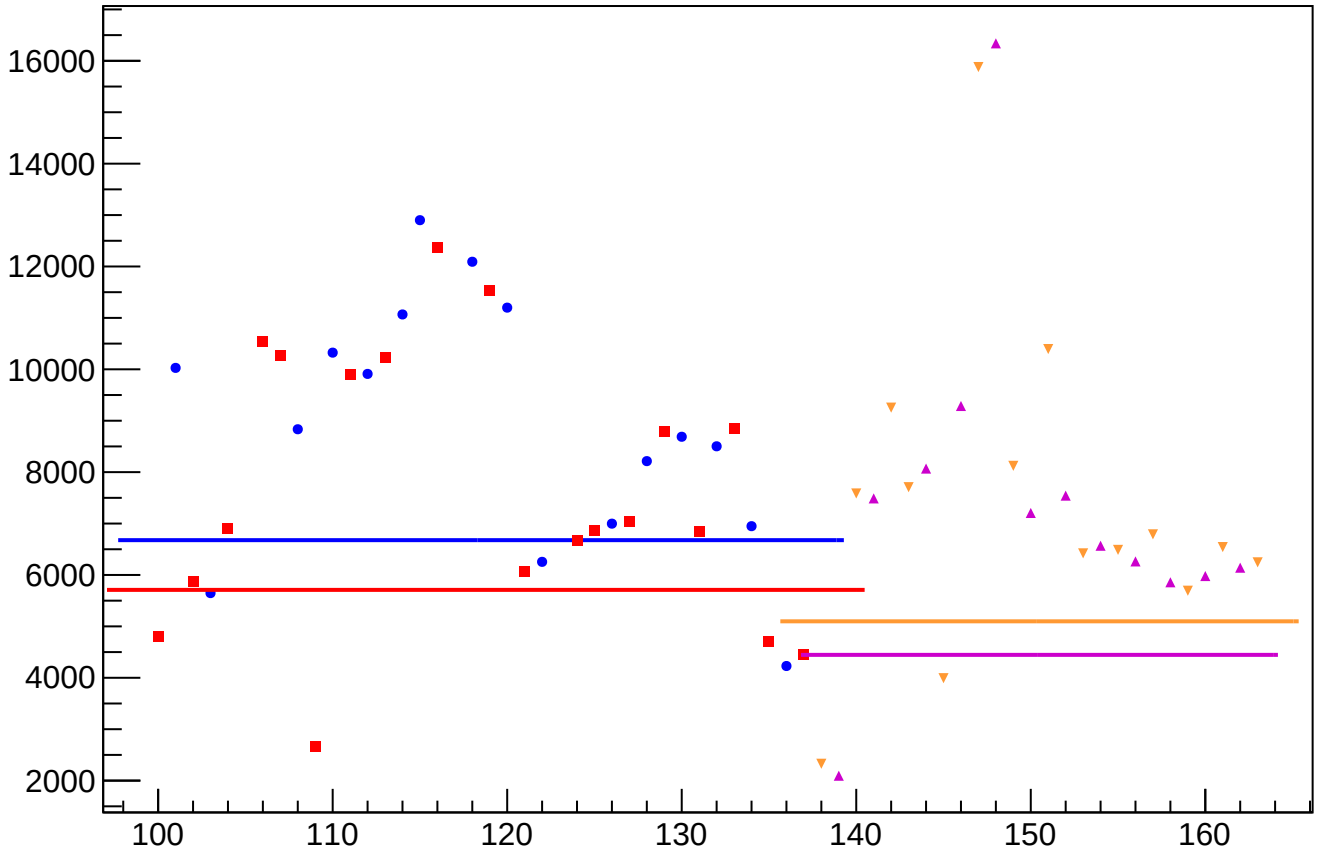
Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: -1.874+/-1.635 χ^2/NDF:9.8/11

+ sign -1.289+/-1.461 χ^2/NDF: 23.0/29

All: -1.128+/-0.989 χ^2/NDF: 57.5/60

- sign -0.992+/-1.343 χ^2/NDF: 34.5/30



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5098.279+/-1.237 χ^2/NDF:4041304.5/13

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

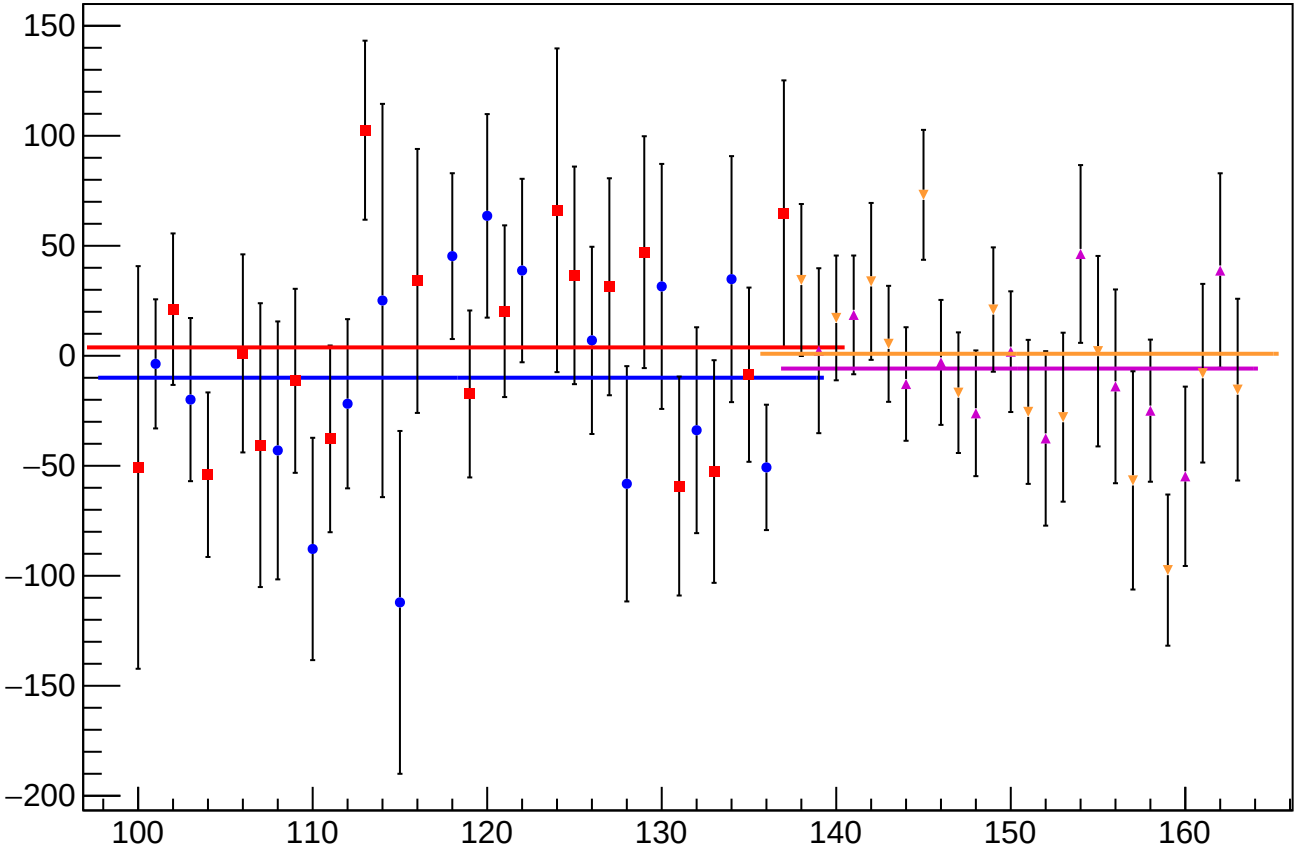
Left In: 4445.876+/-1.156 χ^2/NDF:5205282.8/11

+ sign 5576.562+/-1.033 χ^2/NDF: 6107406.7/29

All: 5186.975+/-0.699 χ^2/NDF: 14265573.0/6

- sign 4857.882+/-0.949 χ^2/NDF: 7895758.0/30

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

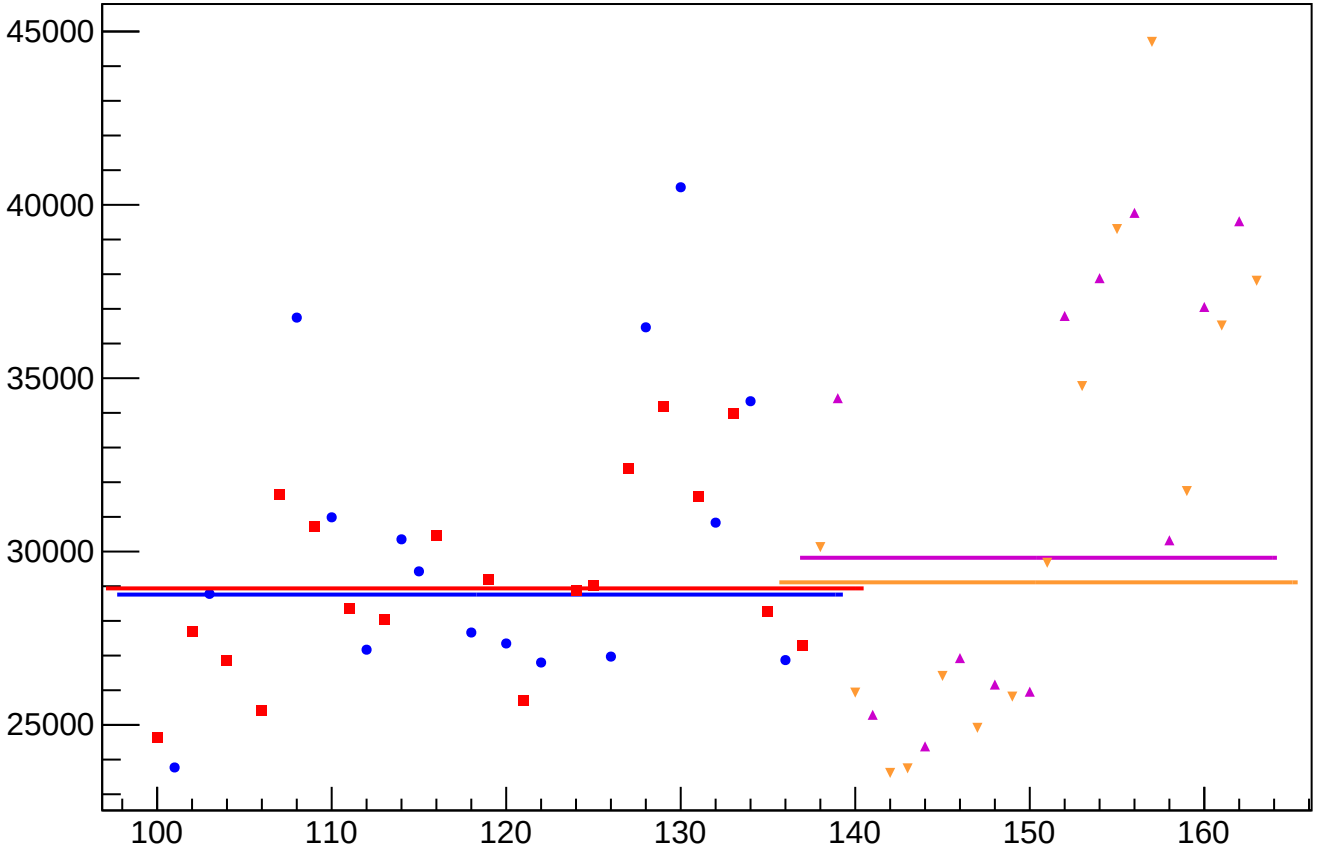
Left In: -5.807+/-9.443 χ^2/NDF:6.7/11

\+ sign -3.468+/-6.877 χ^2/NDF: 35.9/29

All: -2.543+/-4.927 χ^2/NDF: 60.4/60

\- sign -1.567+/-7.062 χ^2/NDF: 24.4/30

diff_bpm12X_rms vs Slug



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

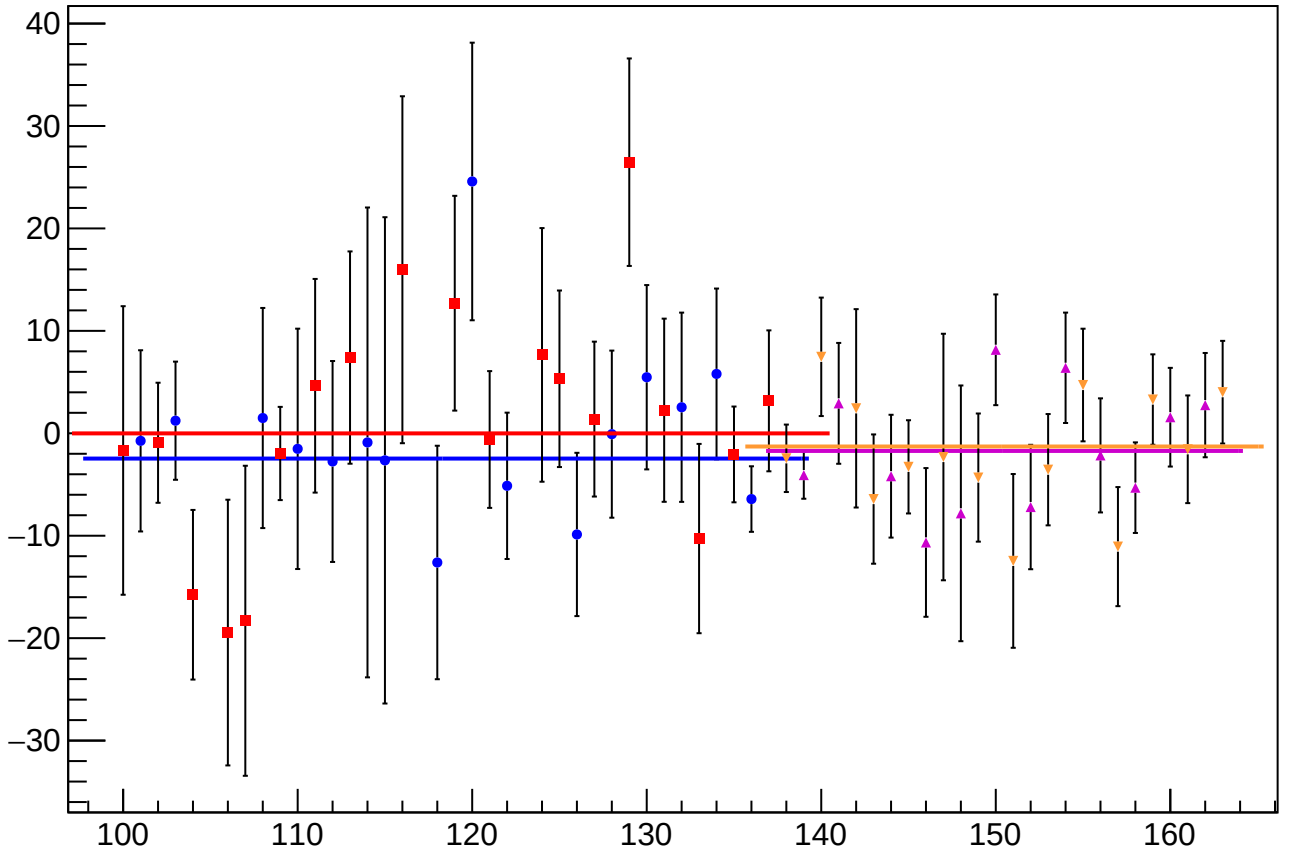
Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29820.971+/-6.677 χ^2/NDF:671923.2/11

+ sign 28970.070+/-4.863 χ^2/NDF: 1046271.7/29

All: 29194.743+/-3.484 χ^2/NDF: 1836560.0/6

- sign 29431.612+/-4.993 χ^2/NDF: 785903.4/30



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.289+/-1.449 χ^2/NDF:11.8/13

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

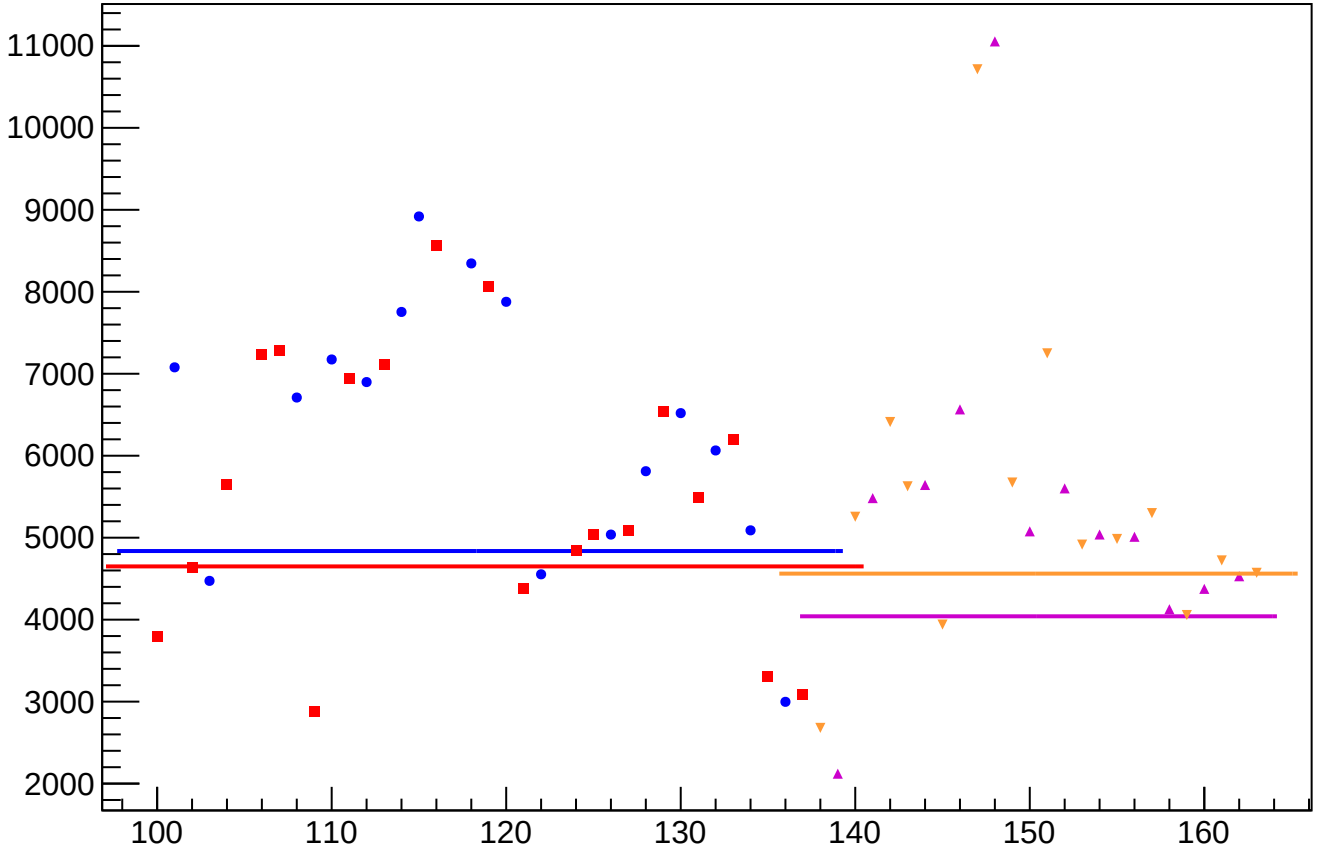
Left In: -1.722+/-1.373 χ^2/NDF:11.9/11

+ sign -1.718+/-1.155 χ^2/NDF: 22.1/29

All: -1.395+/-0.796 χ^2/NDF: 54.7/60

- sign -1.104+/-1.098 χ^2/NDF: 32.4/30

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4561.590+/-1.024 χ^2/NDF:1716829.7/13

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

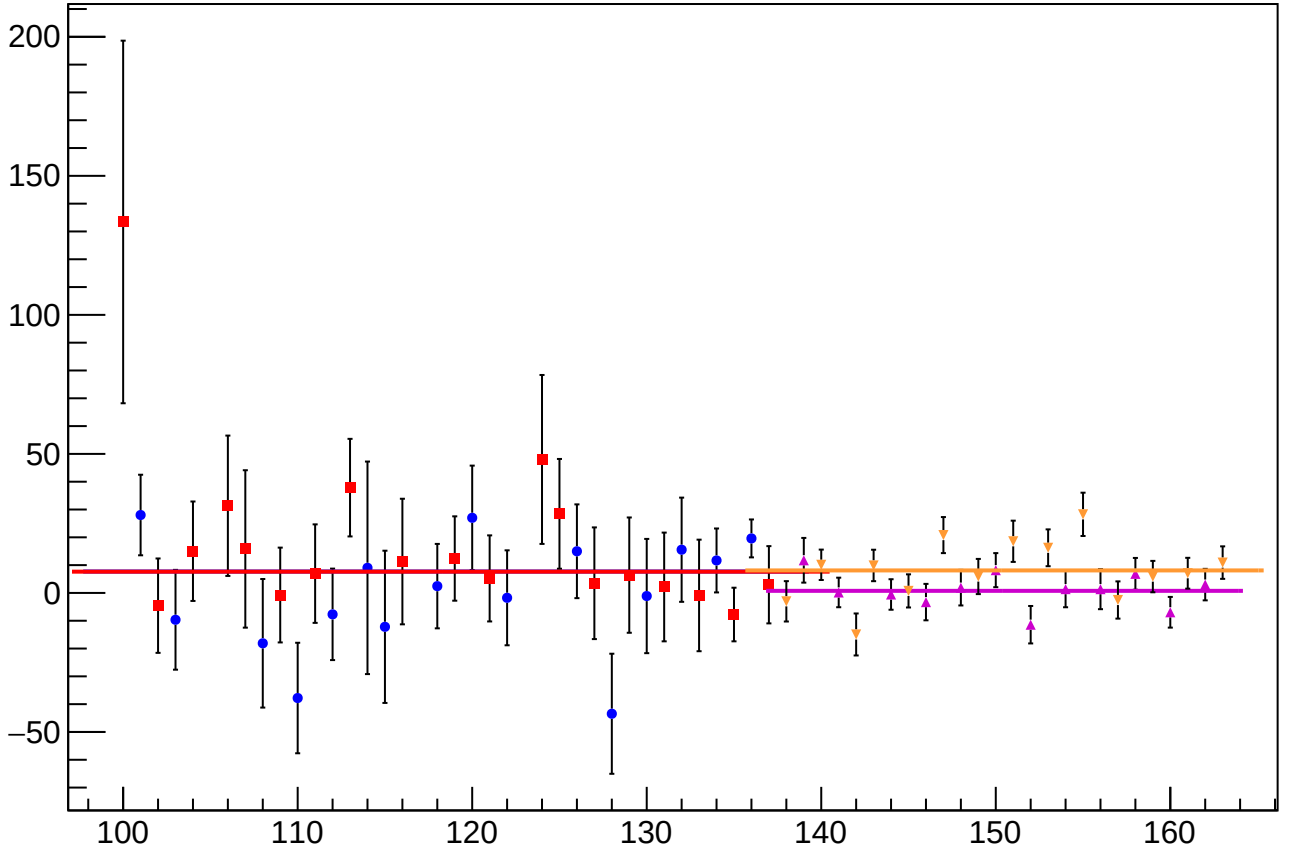
Left In: 4040.869+/-0.971 χ^2/NDF:2882307.5/11

+ sign 4661.858+/-0.817 χ^2/NDF: 3290928.7/29

All: 4450.887+/-0.563 χ^2/NDF: 7876426.1/60

- sign 4260.423+/-0.776 χ^2/NDF: 4458634.3/30

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.096+/-1.687 χ^2/NDF:30.5/13

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

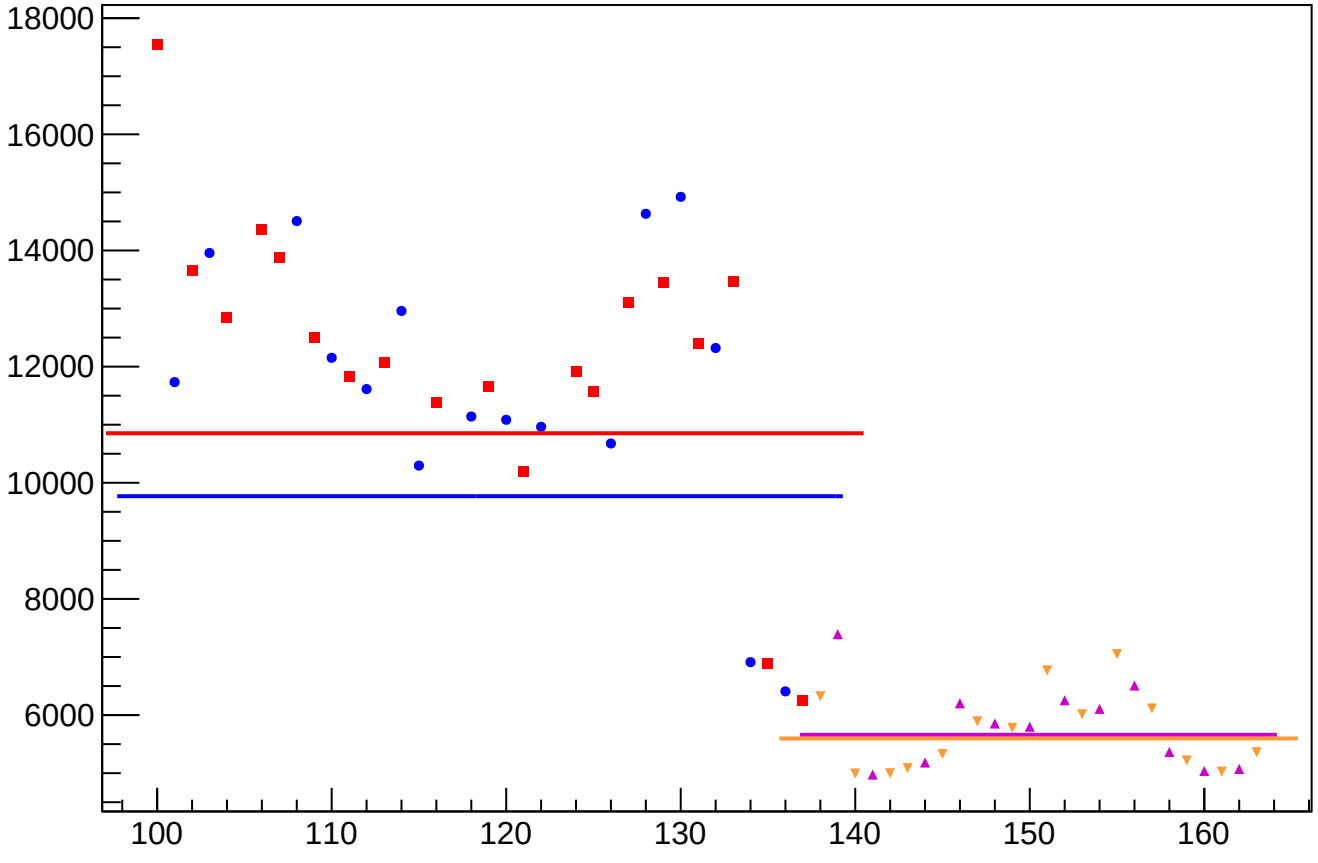
Left In: 0.751+/-1.774 χ^2/NDF:10.4/11

+ sign 8.031+/-1.544 χ^2/NDF: 52.2/29

All: 5.099+/-1.120 χ^2/NDF: 87.1/60

- sign 1.839+/-1.628 χ^2/NDF: 27.3/30

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5597.188+/-1.193 χ^2/NDF:256096.4/13

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

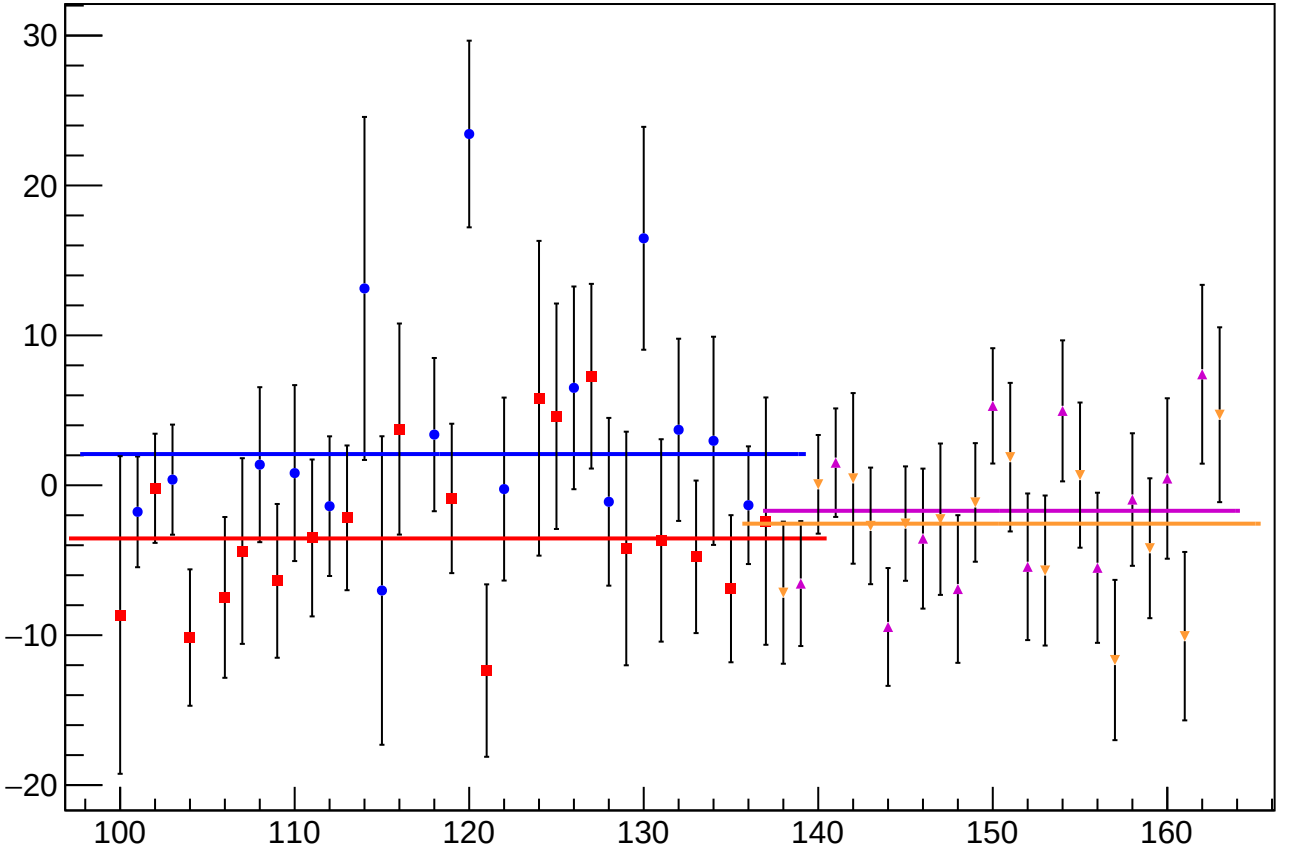
Left In: 5660.429+/-1.254 χ^2/NDF:262969.2/11

+ sign 6278.391+/-1.091 χ^2/NDF: 3465647.7/29

All: 6373.514+/-0.792 χ^2/NDF: 7322218.3/60

- sign 6479.314+/-1.151 χ^2/NDF: 3840527.1/30

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.561+/-1.221 χ^2/NDF:10.0/13

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

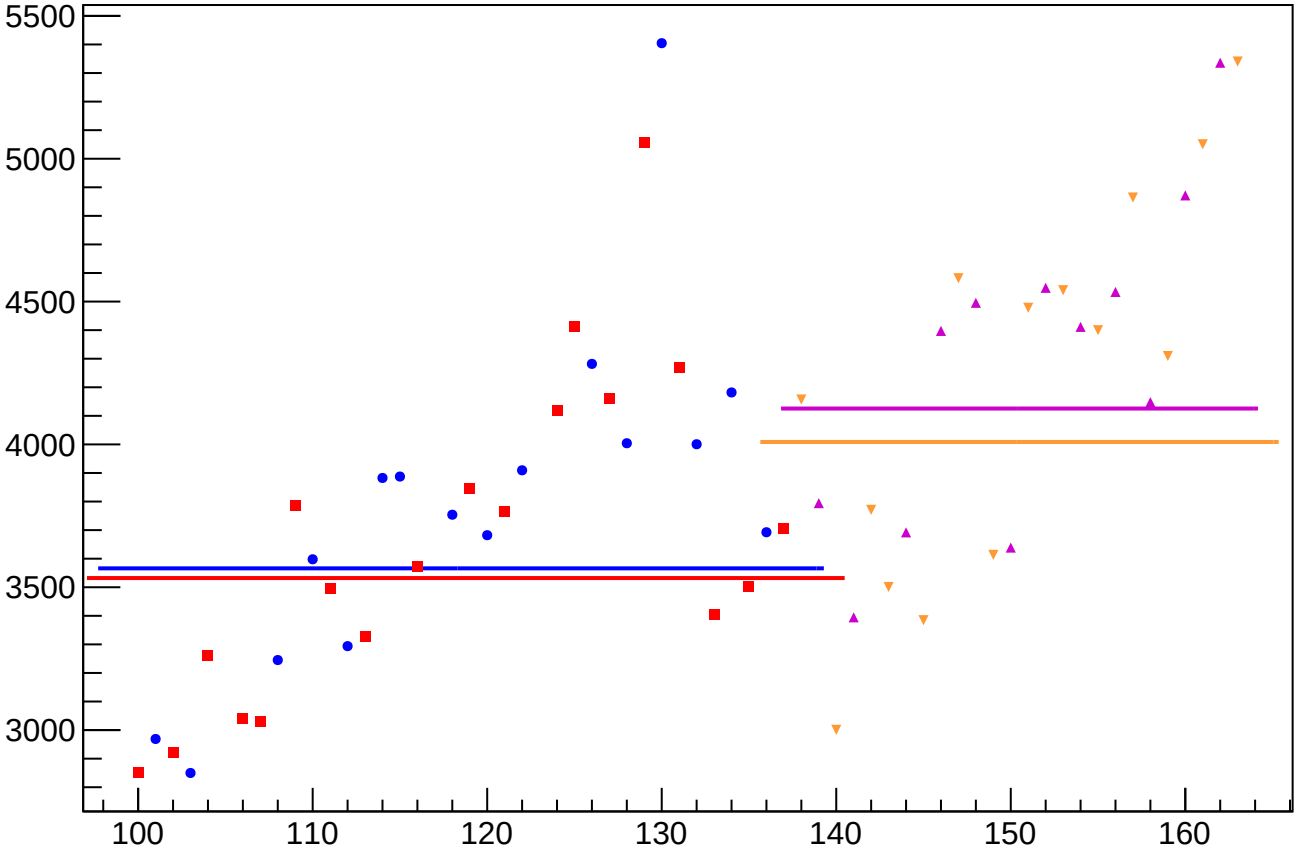
Left In: -1.703+/-1.297 χ^2/NDF:16.3/11

+ sign -0.464+/-0.904 χ^2/NDF: 37.5/29

All: -1.524+/-0.645 χ^2/NDF: 71.0/60

- sign -2.620+/-0.920 χ^2/NDF: 30.8/30

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4008.552+/-0.863 χ^2/NDF:612456.4/13

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

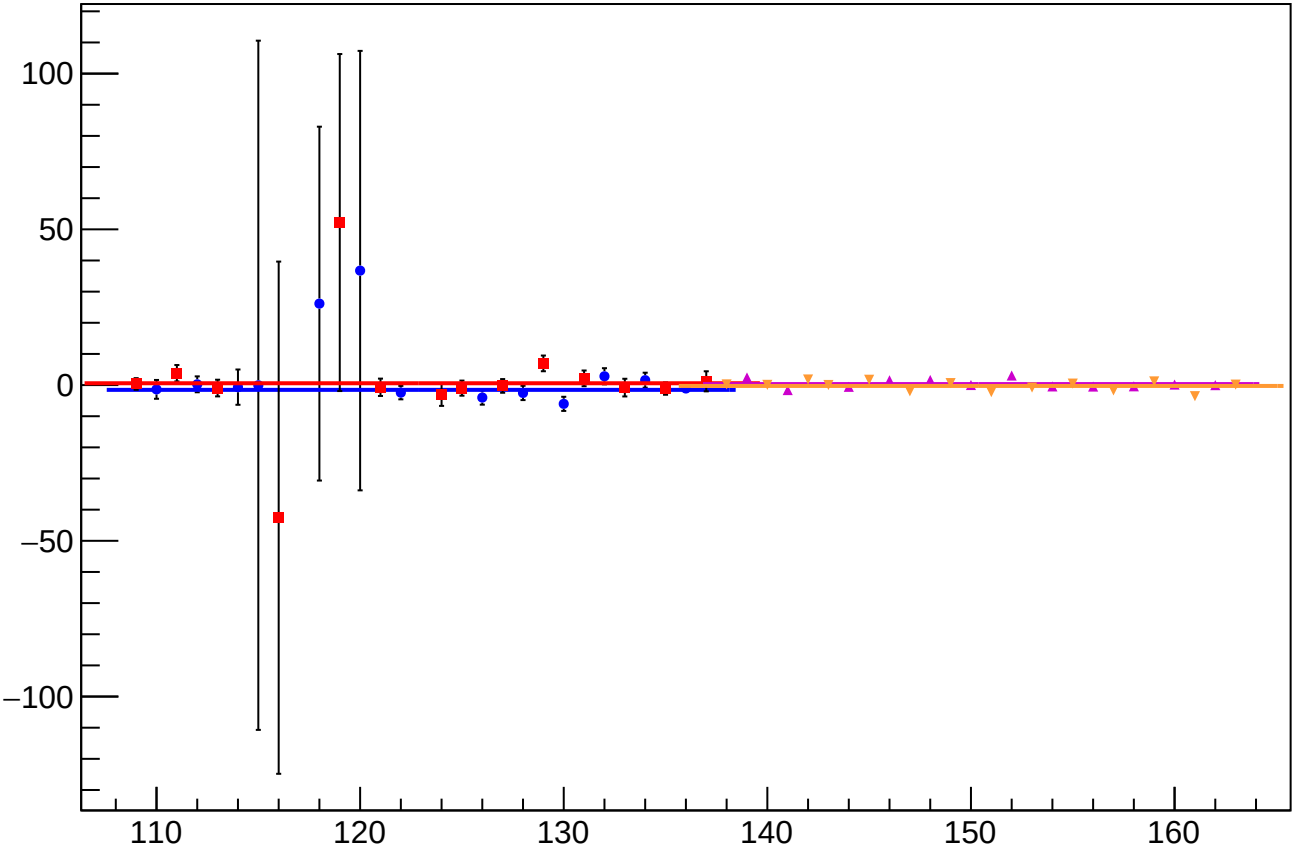
Left In: 4125.577+/-0.917 χ^2/NDF:325506.1/11

+ sign 3808.770+/-0.639 χ^2/NDF: 1072173.3/29

All: 3819.453+/-0.456 χ^2/NDF: 1885091.0/60

- sign 3830.509+/-0.650 χ^2/NDF: 812349.3/30

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.277+/-0.305 χ^2/NDF:23.7/13

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

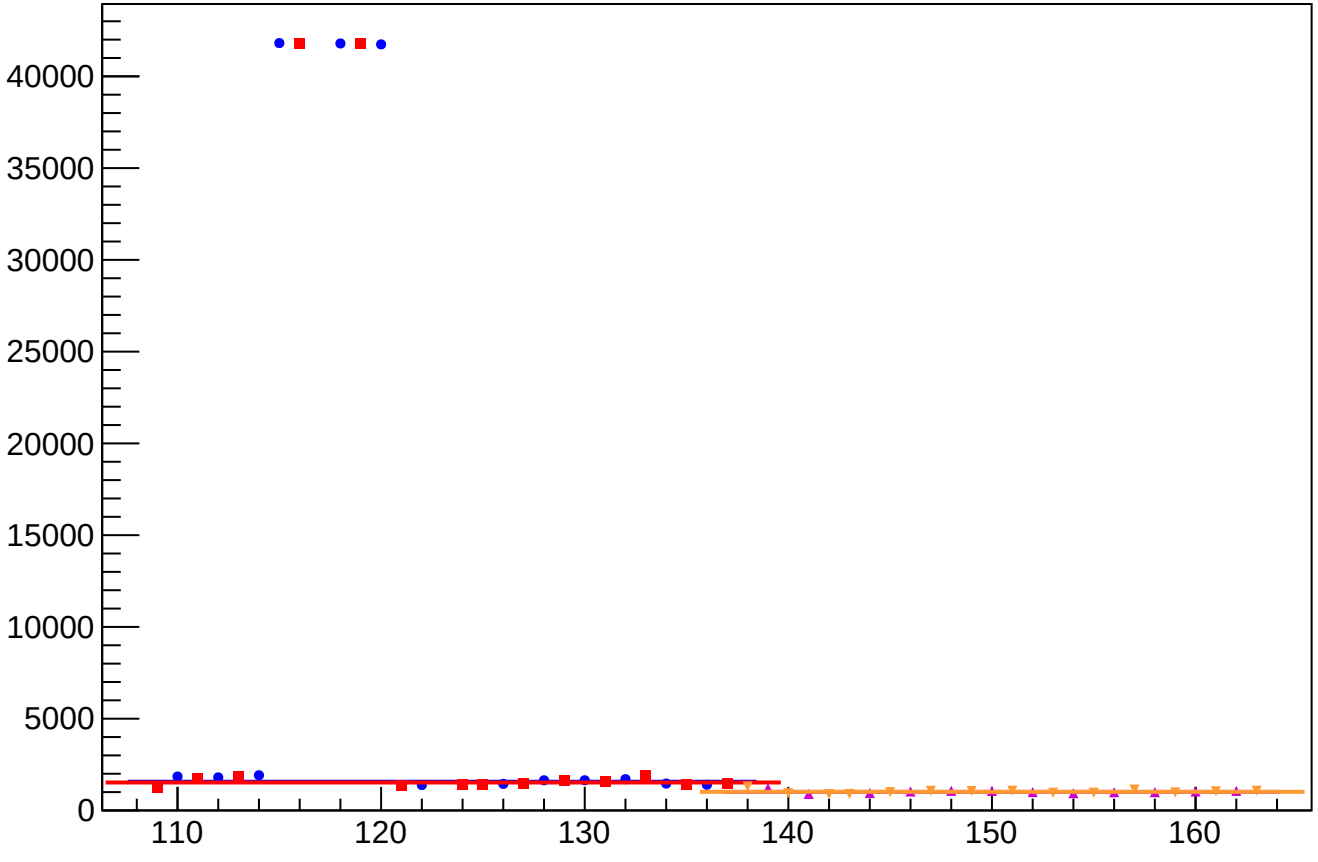
Left In: 0.319+/-0.315 χ^2/NDF:18.1/11

+ sign -0.463+/-0.282 χ^2/NDF: 37.3/26

All: -0.060+/-0.202 χ^2/NDF: 72.4/52

- sign 0.363+/-0.289 χ^2/NDF: 30.9/25

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.190+/-0.216 χ^2/NDF:177256.5/13

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

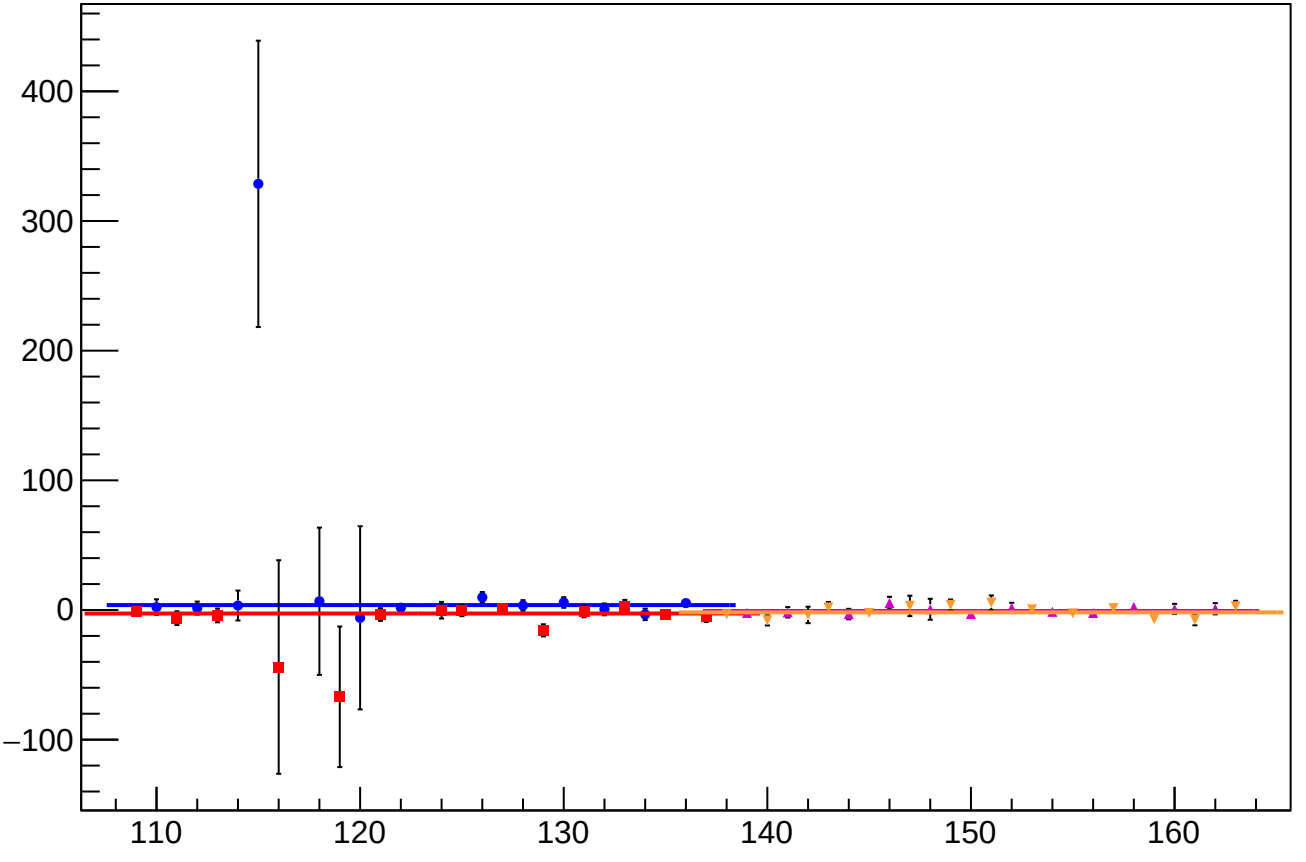
Left In: 1009.687+/-0.223 χ^2/NDF:110664.8/11

+ sign 1096.373+/-0.199 χ^2/NDF: 3151465.1/26

All: 1094.703+/-0.143 χ^2/NDF: 5862994.1/52

- sign 1092.949+/-0.204 χ^2/NDF: 2711384.8/25

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.853+/-1.016 χ^2/NDF:13.9/13

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

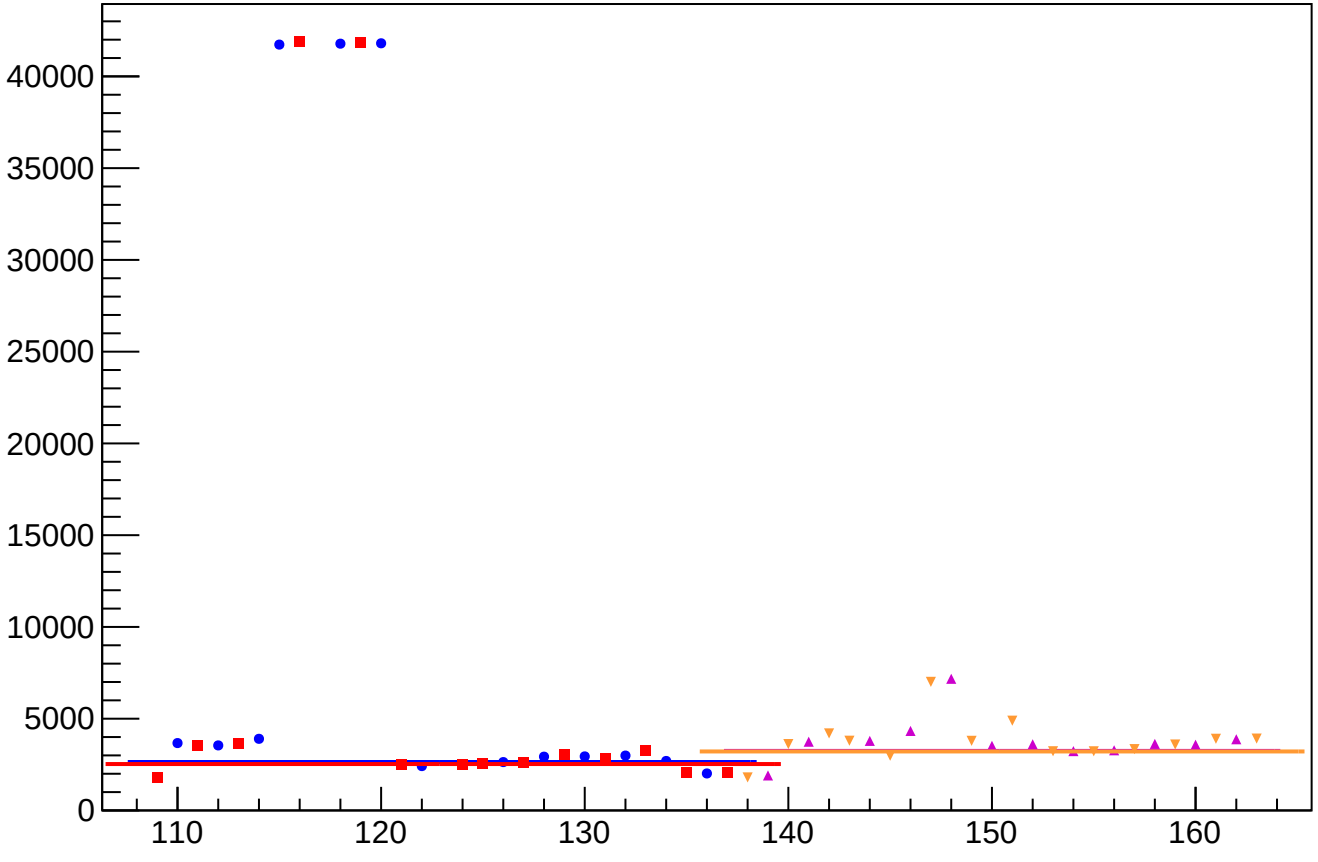
Left In: -0.786+/-1.061 χ^2/NDF:4.5/11

+ sign 0.390+/-0.788 χ^2/NDF: 41.3/26

All: -0.603+/-0.561 χ^2/NDF: 64.0/52

- sign -1.622+/-0.798 χ^2/NDF: 19.5/25

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3214.897+/-0.718 χ^2/NDF:1834741.0/13

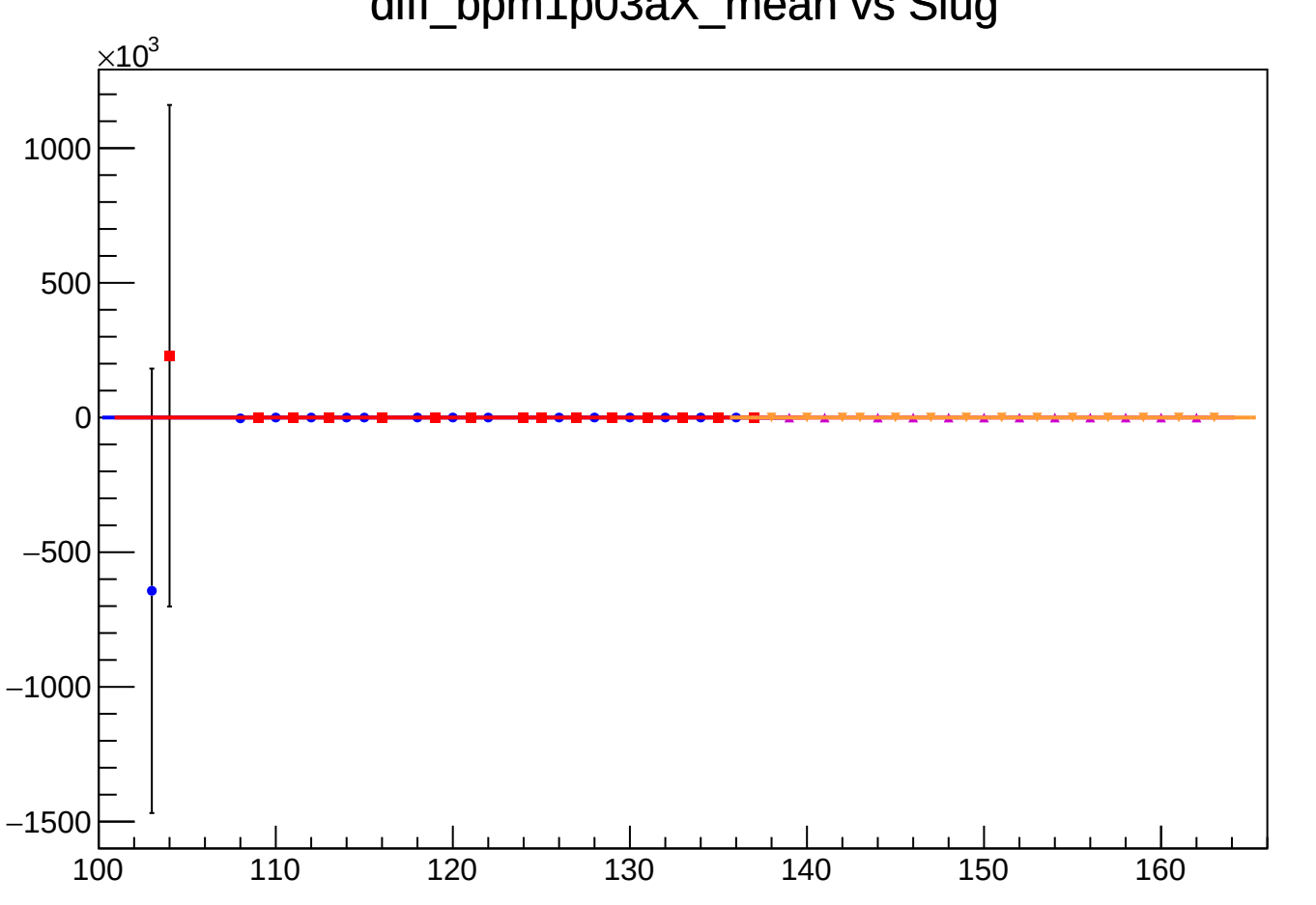
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3244.619+/-0.751 χ^2/NDF:1548206.8/11

+ sign 2985.881+/-0.557 χ^2/NDF: 4263407.4/26

All: 2960.129+/-0.396 χ^2/NDF: 8160852.9/52

- sign 2933.696+/-0.564 χ^2/NDF: 3893115.3/25



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.080+/-0.474 χ^2/NDF:26.2/13

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

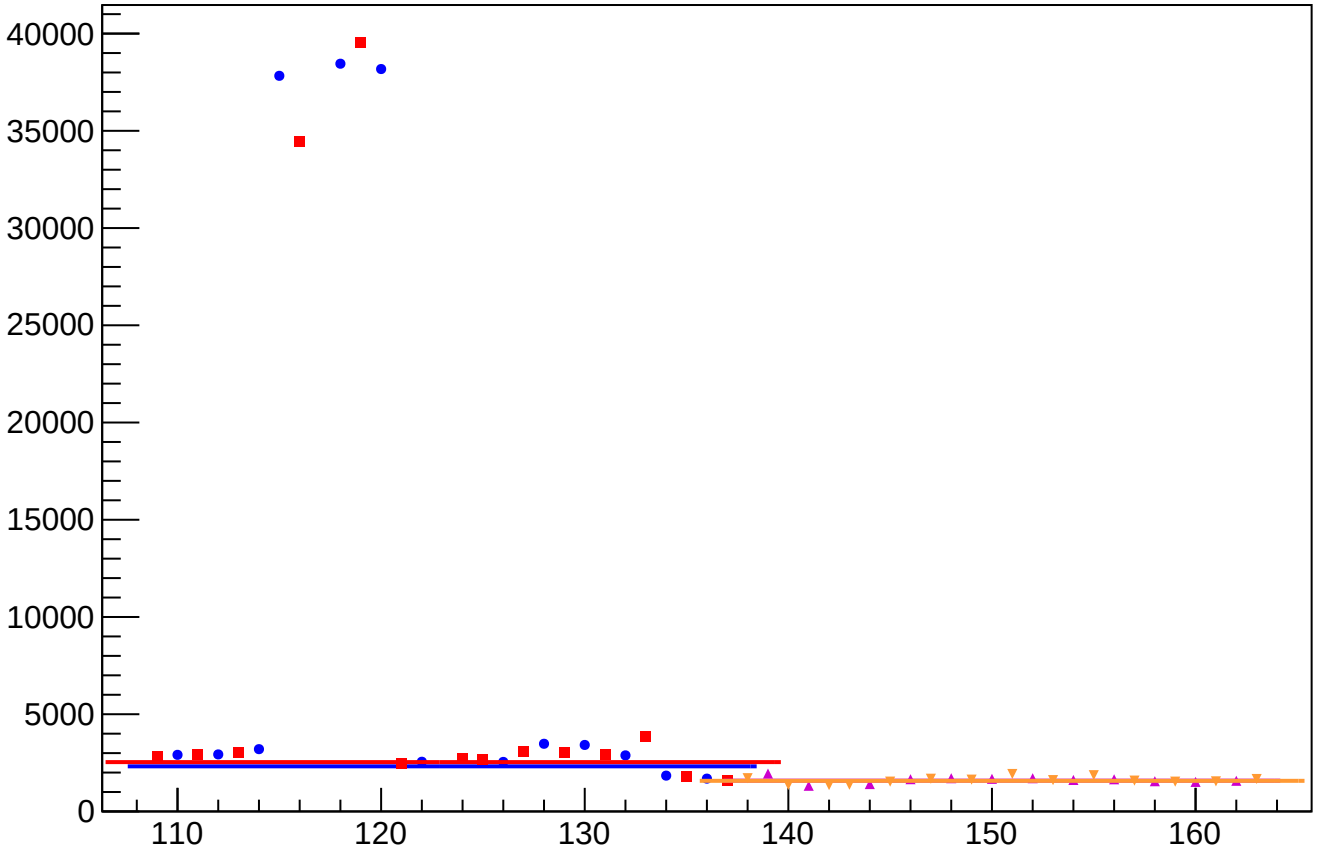
Left In: -0.070+/-0.496 χ^2/NDF:14.0/11

+ sign -1.949+/-0.437 χ^2/NDF: 45.5/28

All: -1.232+/-0.316 χ^2/NDF: 83.5/55

- sign -0.443+/-0.459 χ^2/NDF: 32.4/26

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1575.147+/-0.335 χ^2/NDF:223416.6/13

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

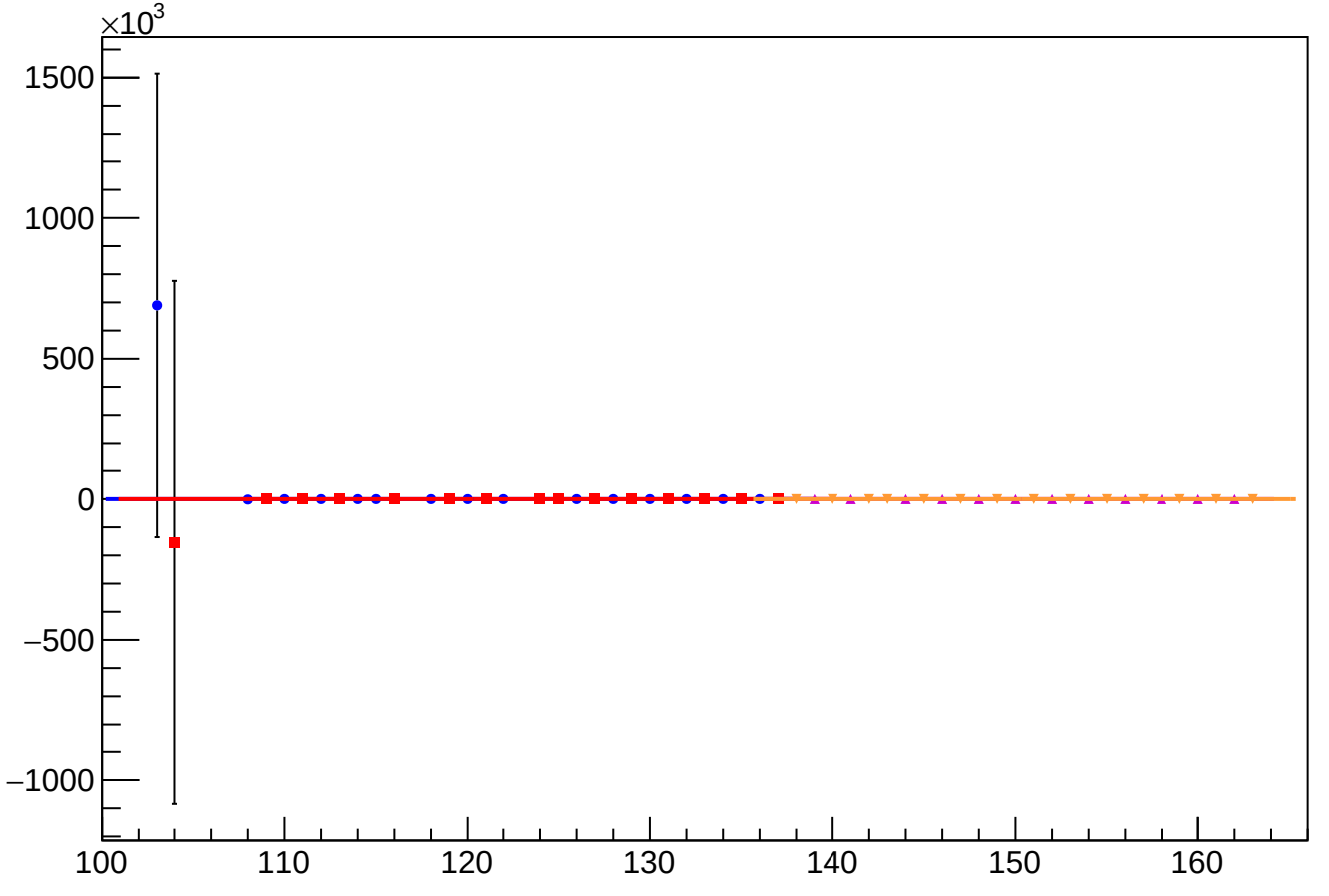
Left In: 1583.343+/-0.350 χ^2/NDF:190541.7/11

+ sign 1687.510+/-0.309 χ^2/NDF: 3429943.4/26

All: 1703.052+/-0.224 χ^2/NDF: 6727551.9/52

- sign 1720.175+/-0.324 χ^2/NDF: 3292290.0/25

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.831+/-0.650 χ^2/NDF:17.6/13

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

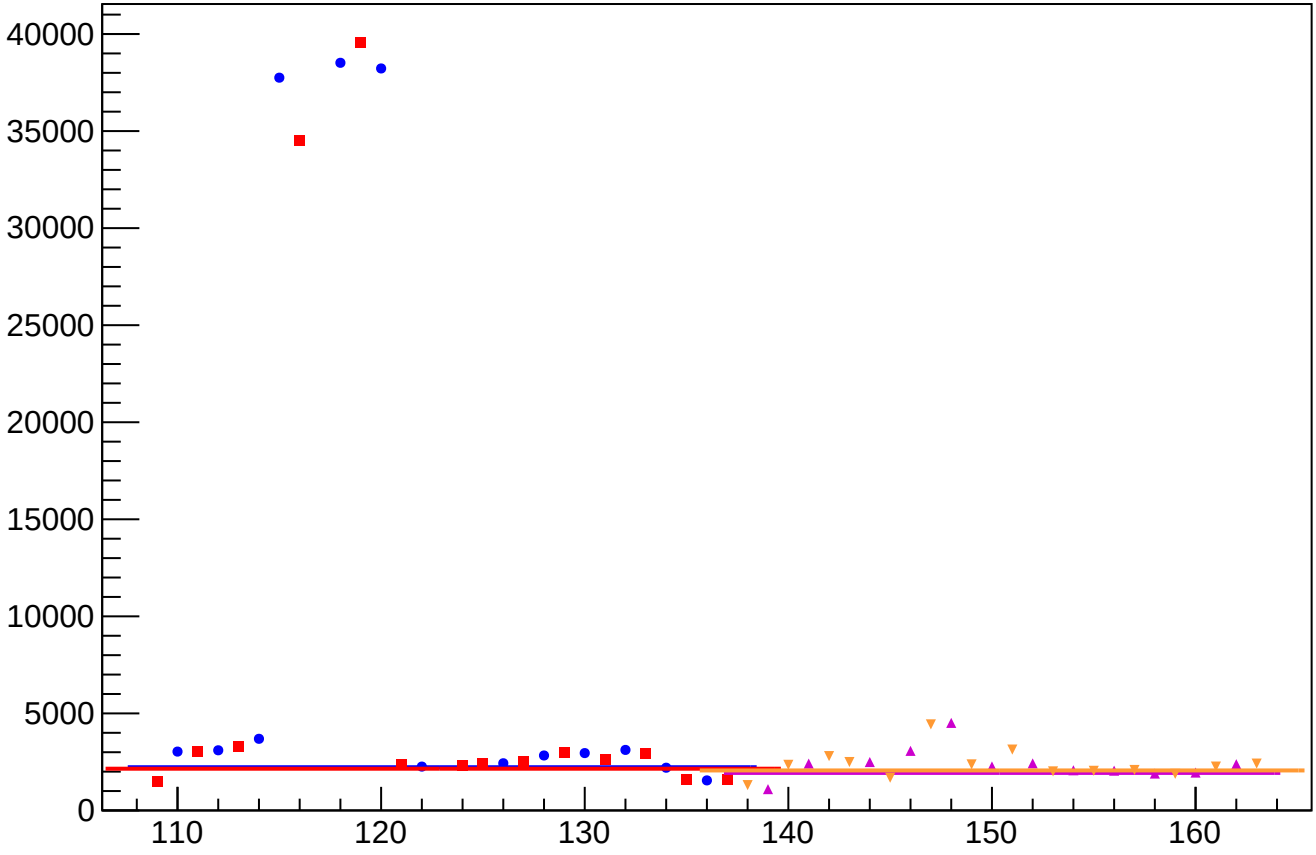
Left In: 0.019+/-0.642 χ^2/NDF:4.1/11

+ sign -0.153+/-0.556 χ^2/NDF: 26.7/28

All: -0.329+/-0.390 χ^2/NDF: 48.7/55

- sign -0.500+/-0.548 χ^2/NDF: 21.8/26

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2061.277+/-0.459 χ^2/NDF:1374004.0/13

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

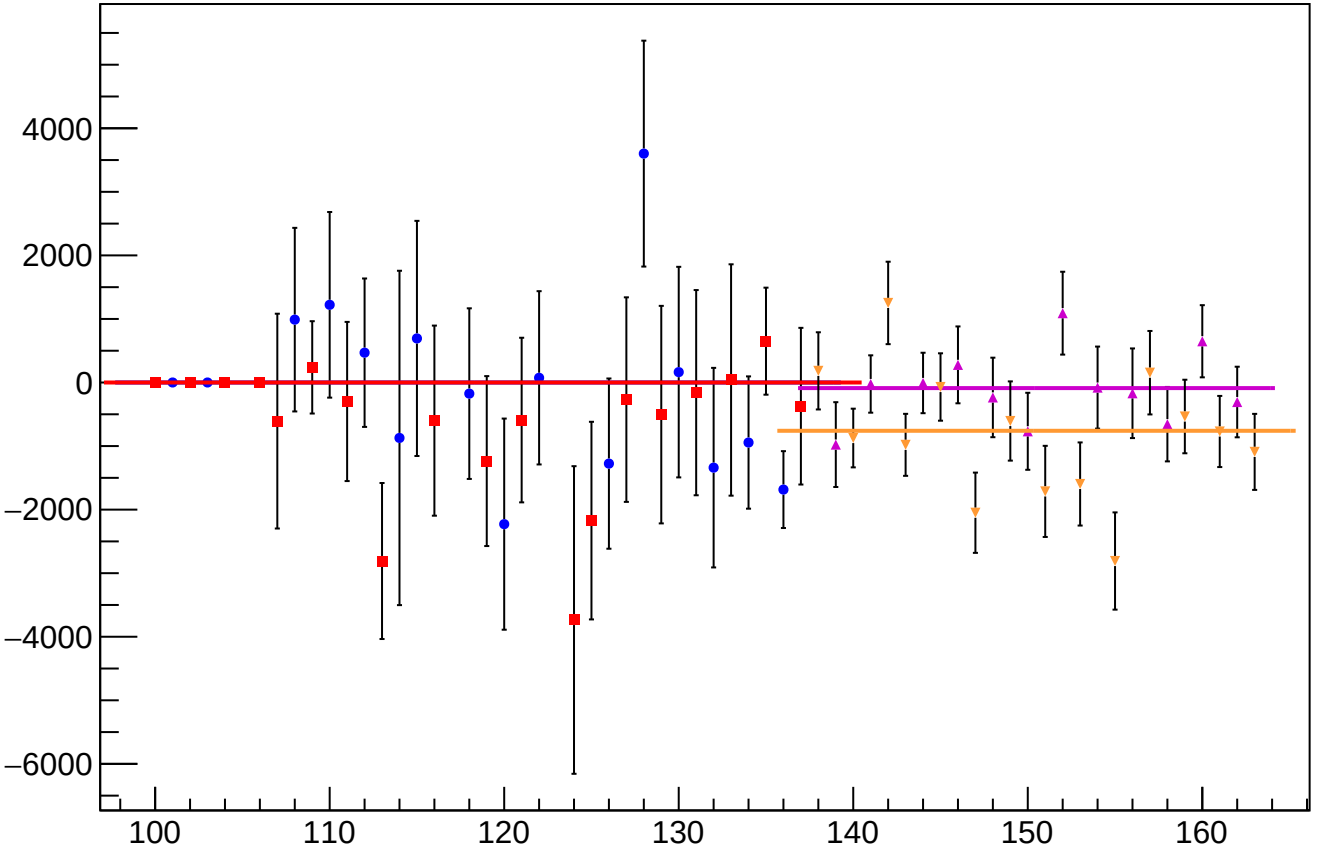
Left In: 1934.623+/-0.454 χ^2/NDF:2053559.6/11

+ sign 2105.500+/-0.393 χ^2/NDF: 3931020.7/26

All: 2048.537+/-0.276 χ^2/NDF: 8318842.4/52

- sign 1993.274+/-0.387 χ^2/NDF: 4346481.4/25

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -759.552+/-158.289 χ^2/NDF:31.2/13

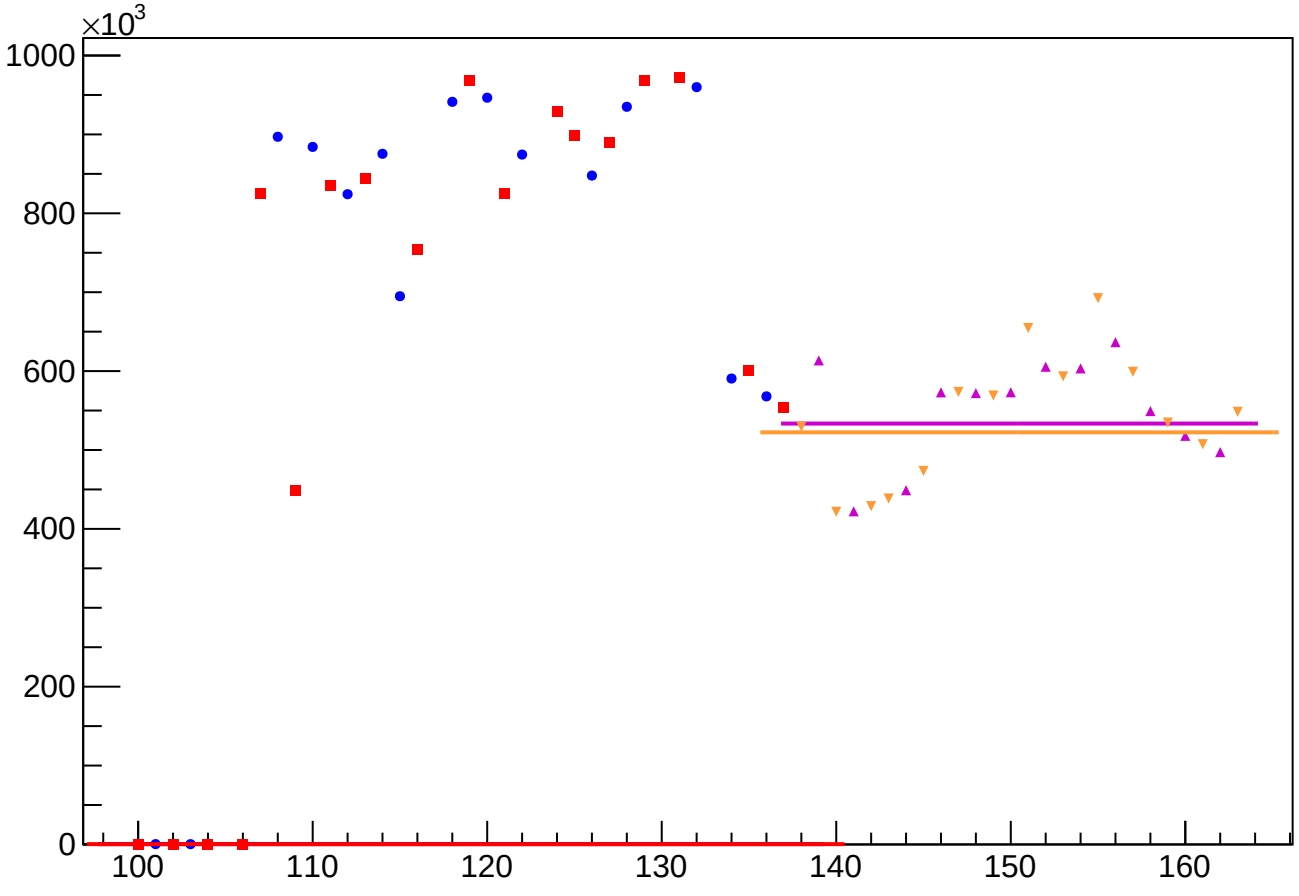
Right Out: 0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: -87.931+/-167.546 χ^2/NDF:9.6/11

+ sign 0.252+/-0.356 χ^2/NDF: 72.0/29

All: 0.167+/-0.241 χ^2/NDF: 97.3/60

- sign 0.096+/-0.328 χ^2/NDF: 25.3/30



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522373.782+/-111.927 χ^2/NDF:461509.5/13

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

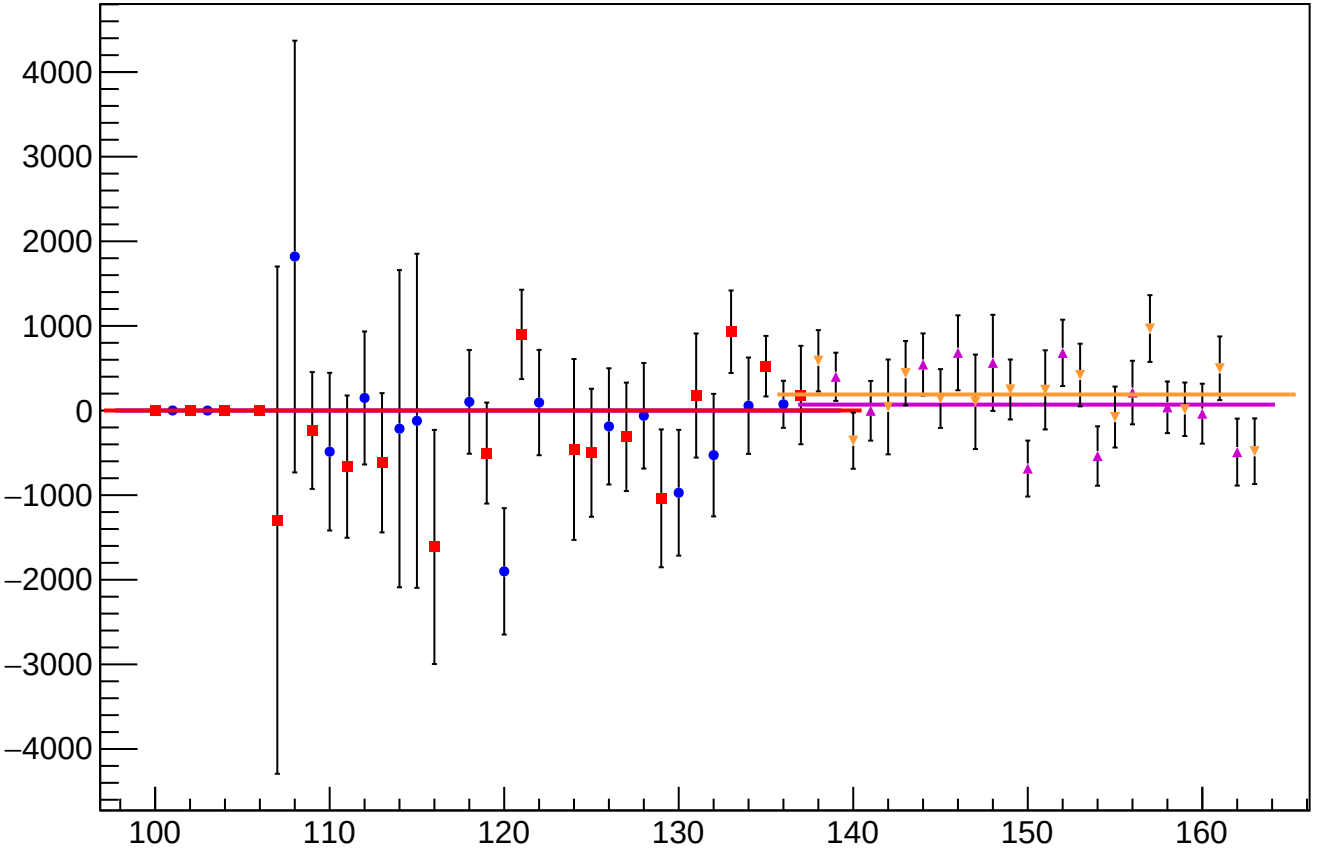
Left In: 533509.266+/-118.473 χ^2/NDF:340448.2/11

+ sign 401.516+/-0.251 χ^2/NDF: 30701686.2/28

All: 398.144+/-0.170 χ^2/NDF: 58939948.1/58

- sign 395.280+/-0.232 χ^2/NDF: 28237929.4/29

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 189.618+/-102.061 χ^2/NDF:13.3/13

Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

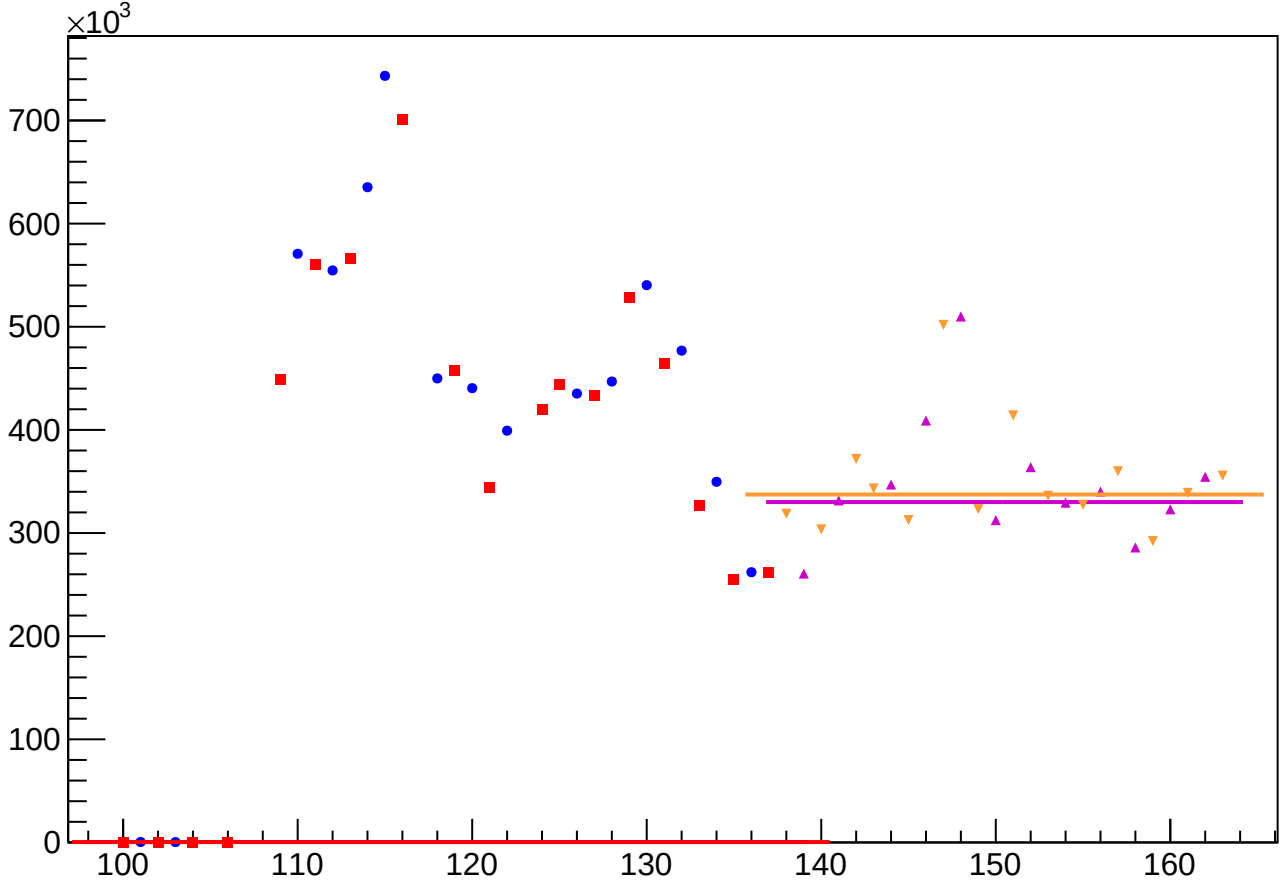
Left In: 69.779+/-104.299 χ^2/NDF:18.6/11

+ sign -0.018+/-0.347 χ^2/NDF: 27.2/29

All: 0.312+/-0.237 χ^2/NDF: 63.0/60

- sign 0.599+/-0.324 χ^2/NDF: 34.1/30

diff_cav4bY_rms vs Slug



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337358.887+/-72.168 χ^2/NDF:328191.4/13

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

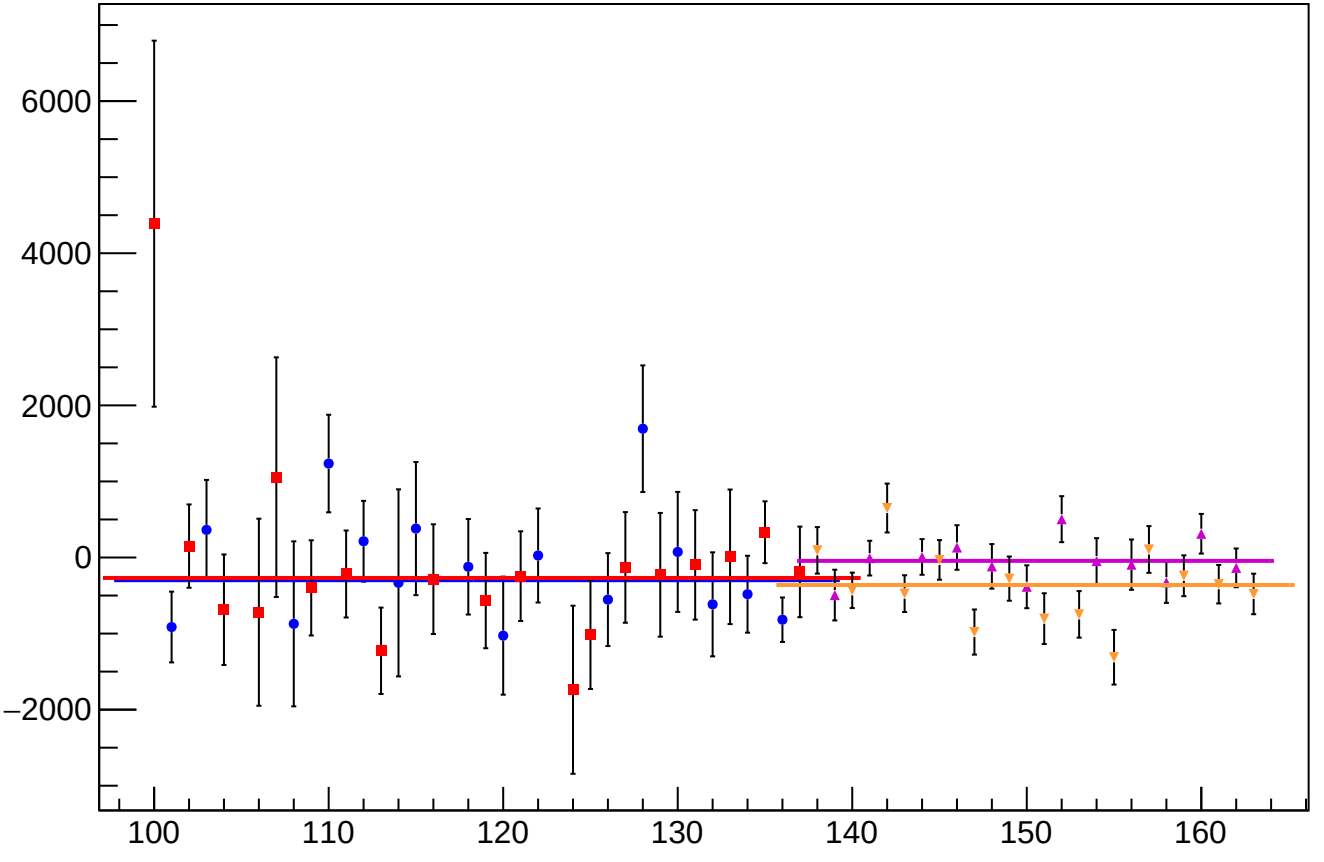
Left In: 330037.752+/-73.757 χ^2/NDF:459061.5/11

+ sign 394.173+/-0.245 χ^2/NDF: 33261945.8/28

All: 392.563+/-0.167 χ^2/NDF: 64770888.9/58

- sign 391.161+/-0.229 χ^2/NDF: 31508862.5/29

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -361.523+/-75.477 χ^2/NDF:31.5/13

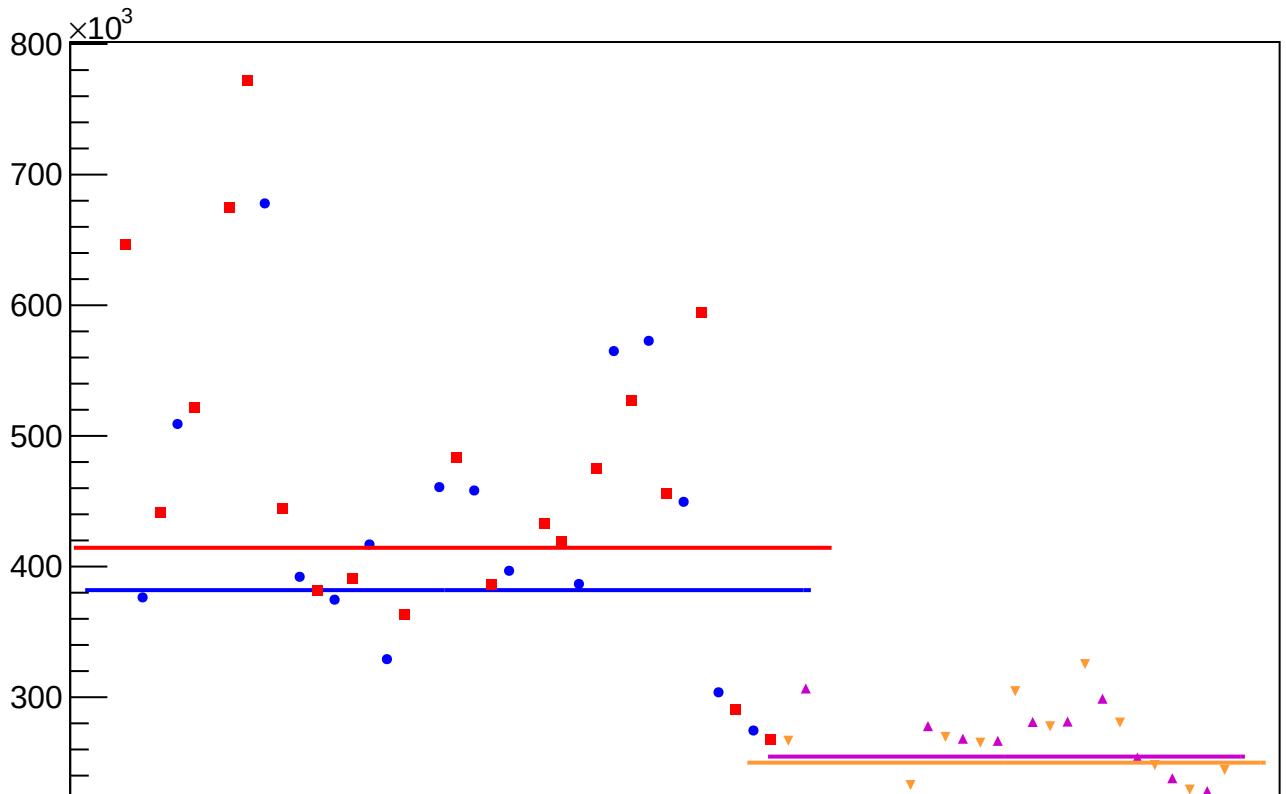
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: -44.238+/-79.772 χ^2/NDF:10.2/11

+ sign -348.377+/-67.179 χ^2/NDF: 52.9/29

All: -226.724+/-48.823 χ^2/NDF: 85.5/60

- sign -90.531+/-71.080 χ^2/NDF: 25.7/30



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 249916.772+/-53.370 χ^2/NDF:335556.0/13

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

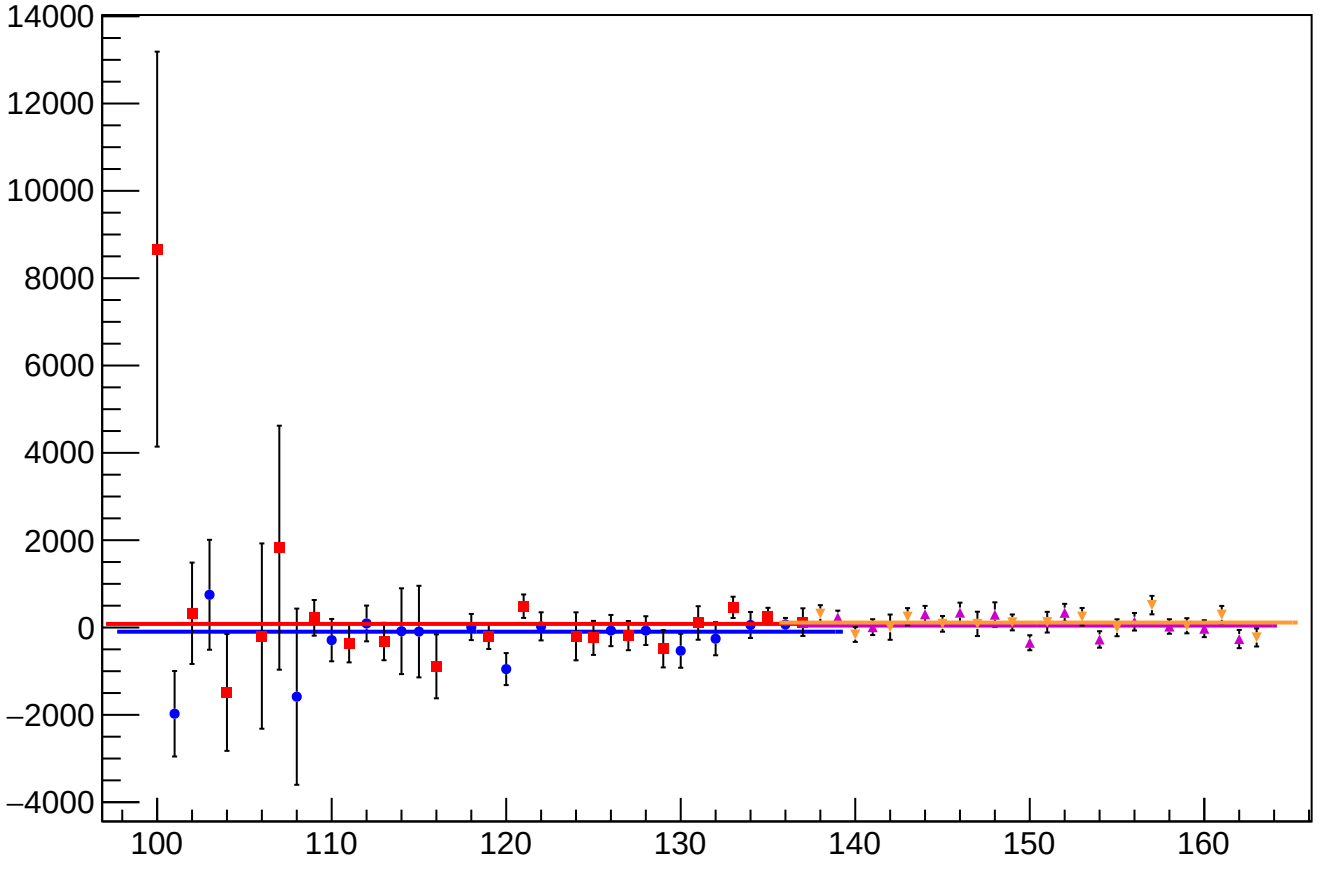
Left In: 254554.569+/-56.408 χ^2/NDF:269752.8/11

+ sign 277348.490+/-47.504 χ^2/NDF: 2443657.5/29

All: 282126.348+/-34.525 χ^2/NDF: 5148558.

- sign 287475.366+/-50.263 χ^2/NDF: 2683460.1/30

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 113.847+/-53.807 χ^2/NDF:12.4/13

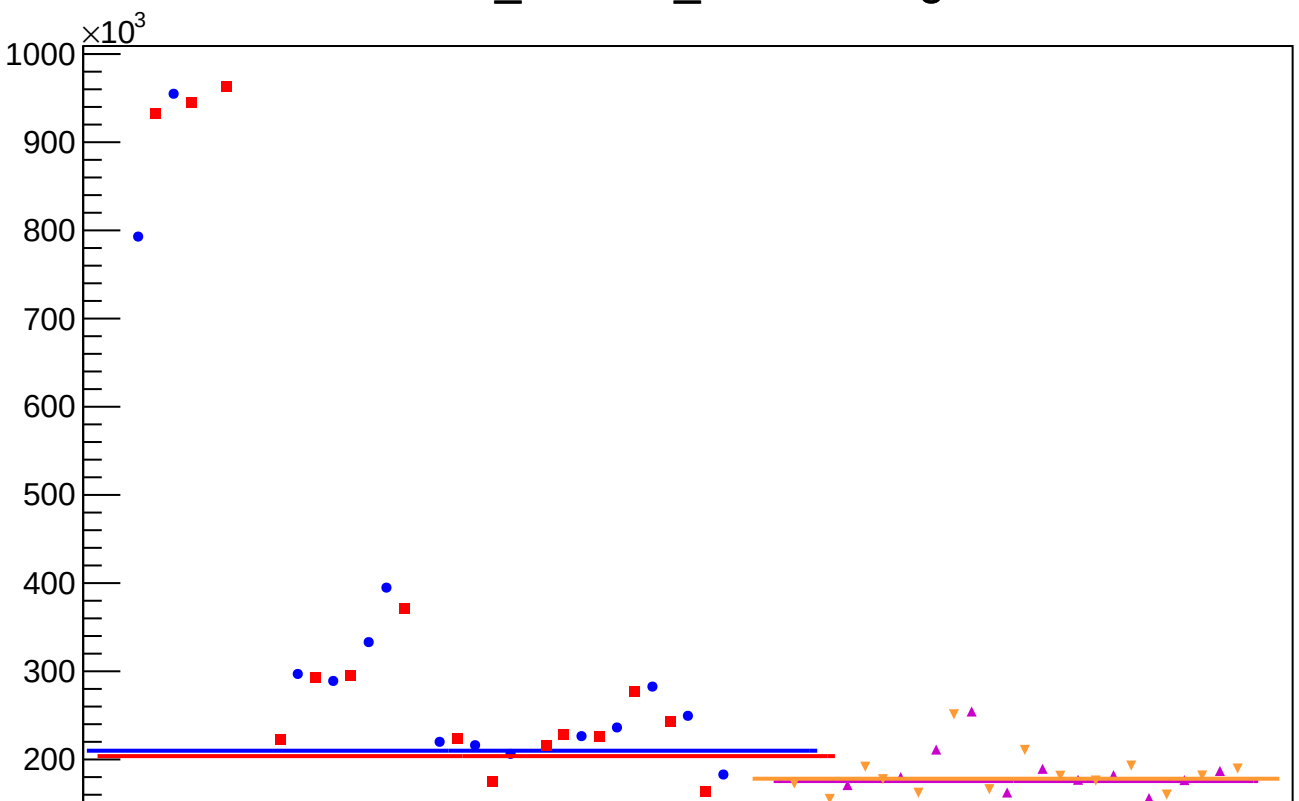
Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: 44.353+/-55.274 χ^2/NDF:18.5/11

+ sign 57.035+/-45.943 χ^2/NDF: 30.2/29

All: 56.200+/-32.752 χ^2/NDF: 68.0/60

- sign 55.338+/-46.703 χ^2/NDF: 37.7/30



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178181.933+/-38.047 χ^2/NDF:280903.8/13

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

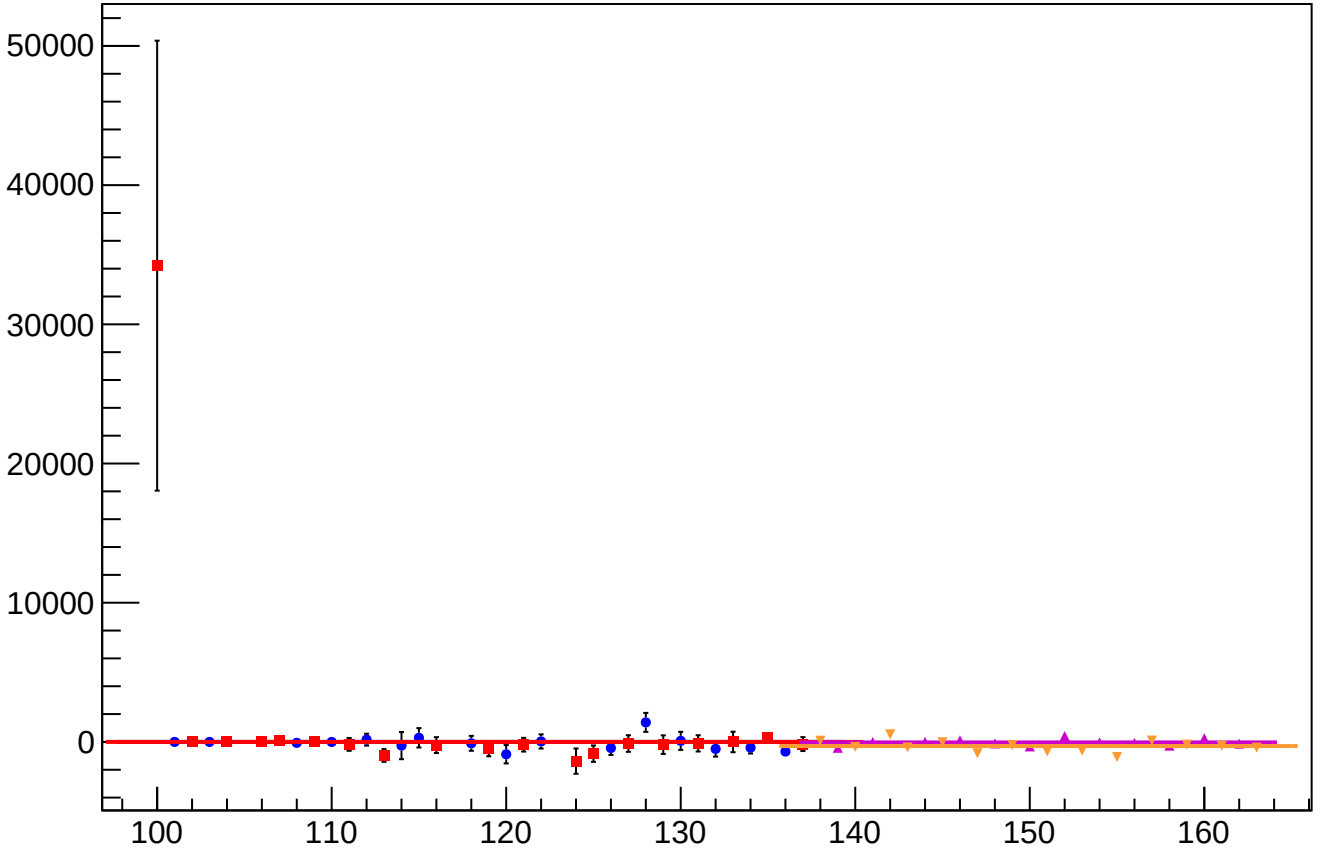
Left In: 175512.190+/-39.085 χ^2/NDF:354909.5/11

+ sign 186761.281+/-32.502 χ^2/NDF: 2428956.6/28

All: 185194.450+/-23.173 χ^2/NDF: 5008331.

- sign 183574.609+/-33.047 χ^2/NDF: 2574648.6/28

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -298.540+/-63.193 χ^2/NDF:31.6/13

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

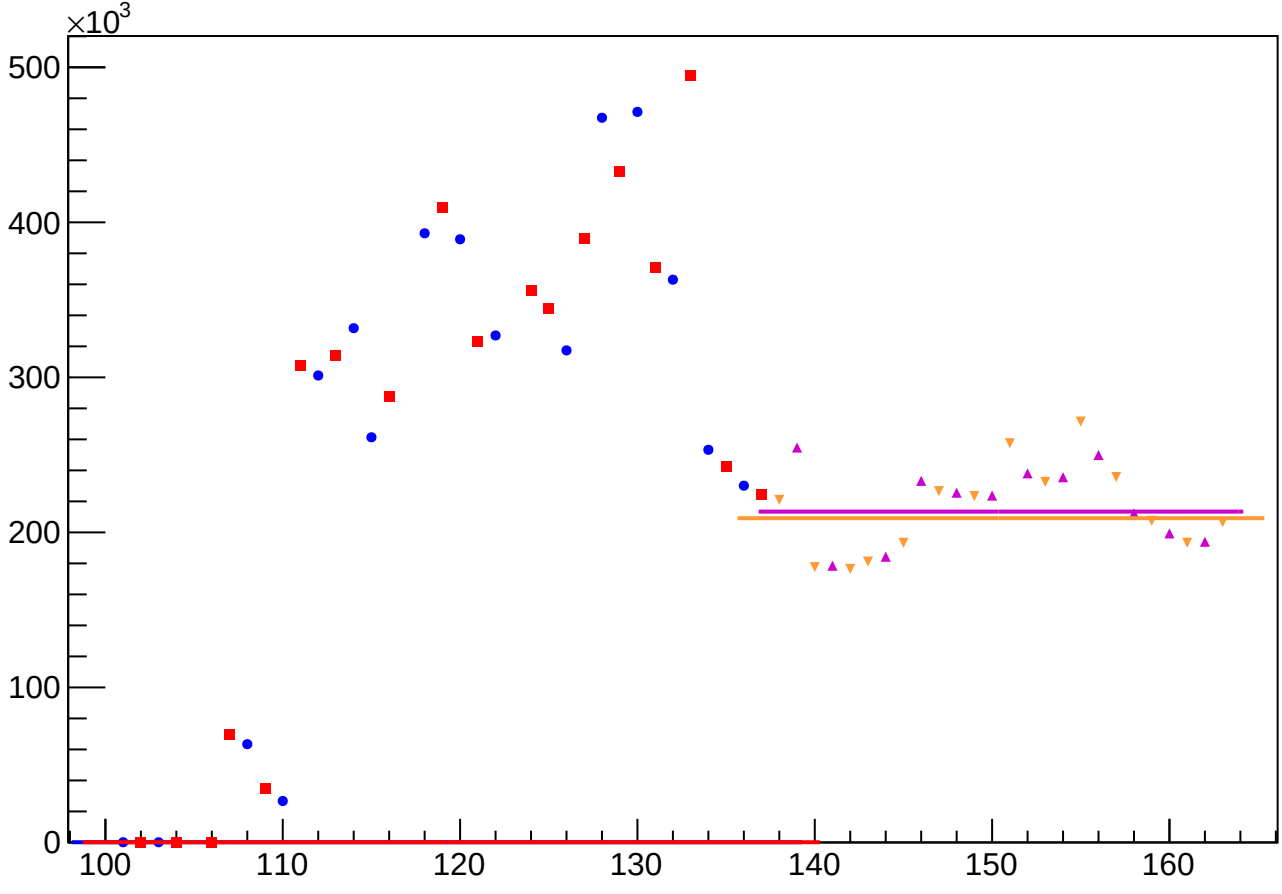
Left In: -37.280+/-66.883 χ^2/NDF:10.2/11

+ sign -0.037+/-0.172 χ^2/NDF: 72.1/29

All: -0.208+/-0.117 χ^2/NDF: 100.9/60

- sign -0.355+/-0.160 χ^2/NDF: 27.0/30

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209173.257+/-44.684 χ^2/NDF:347304.5/13

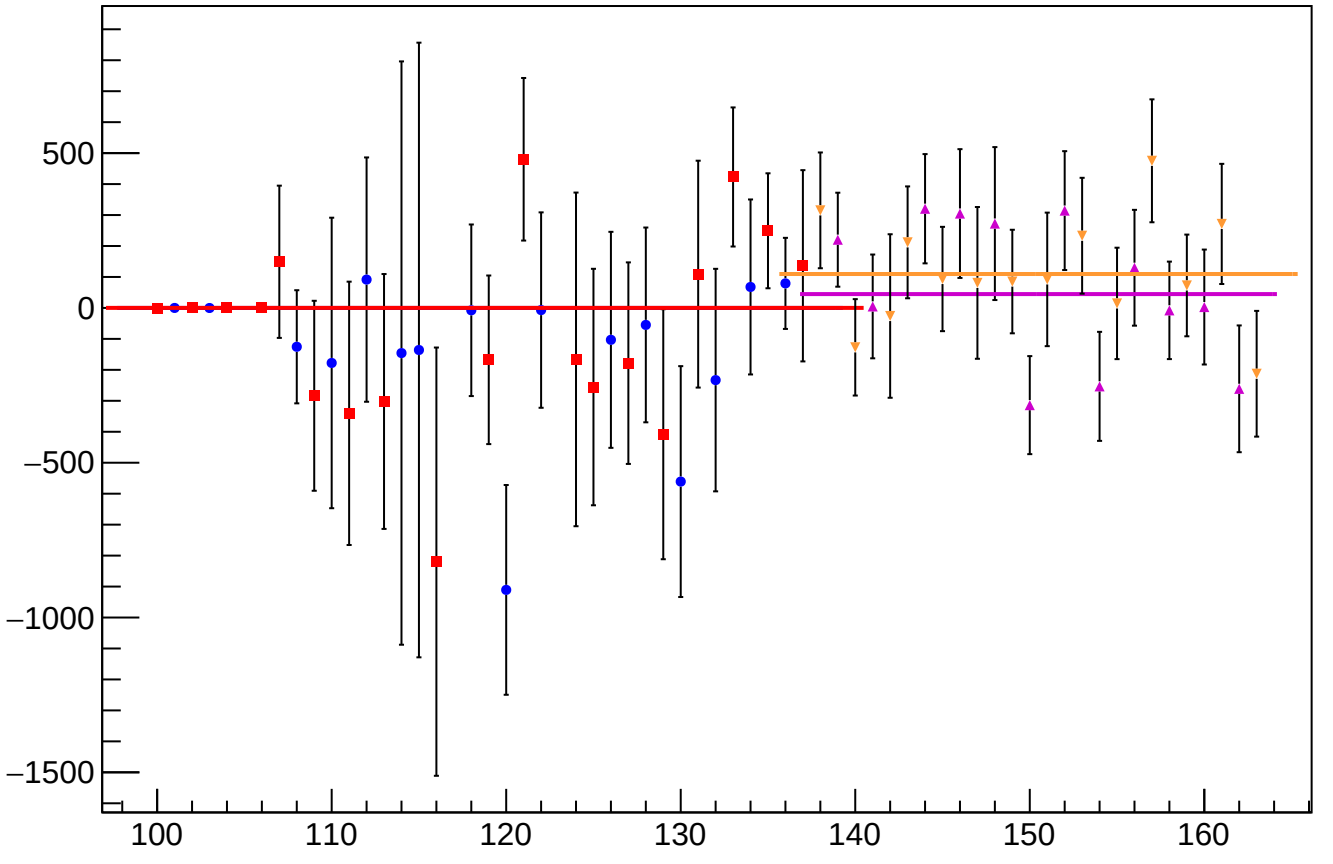
Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 213414.628+/-47.293 χ^2/NDF:271063.8/11

+ sign 150.645+/-0.122 χ^2/NDF: 33530825.3/29

All: 150.622+/-0.083 χ^2/NDF: 65425522.2/59

- sign 150.601+/-0.113 χ^2/NDF: 31894696.8/29



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 109.540+/-50.210 χ^2/NDF:11.5/13

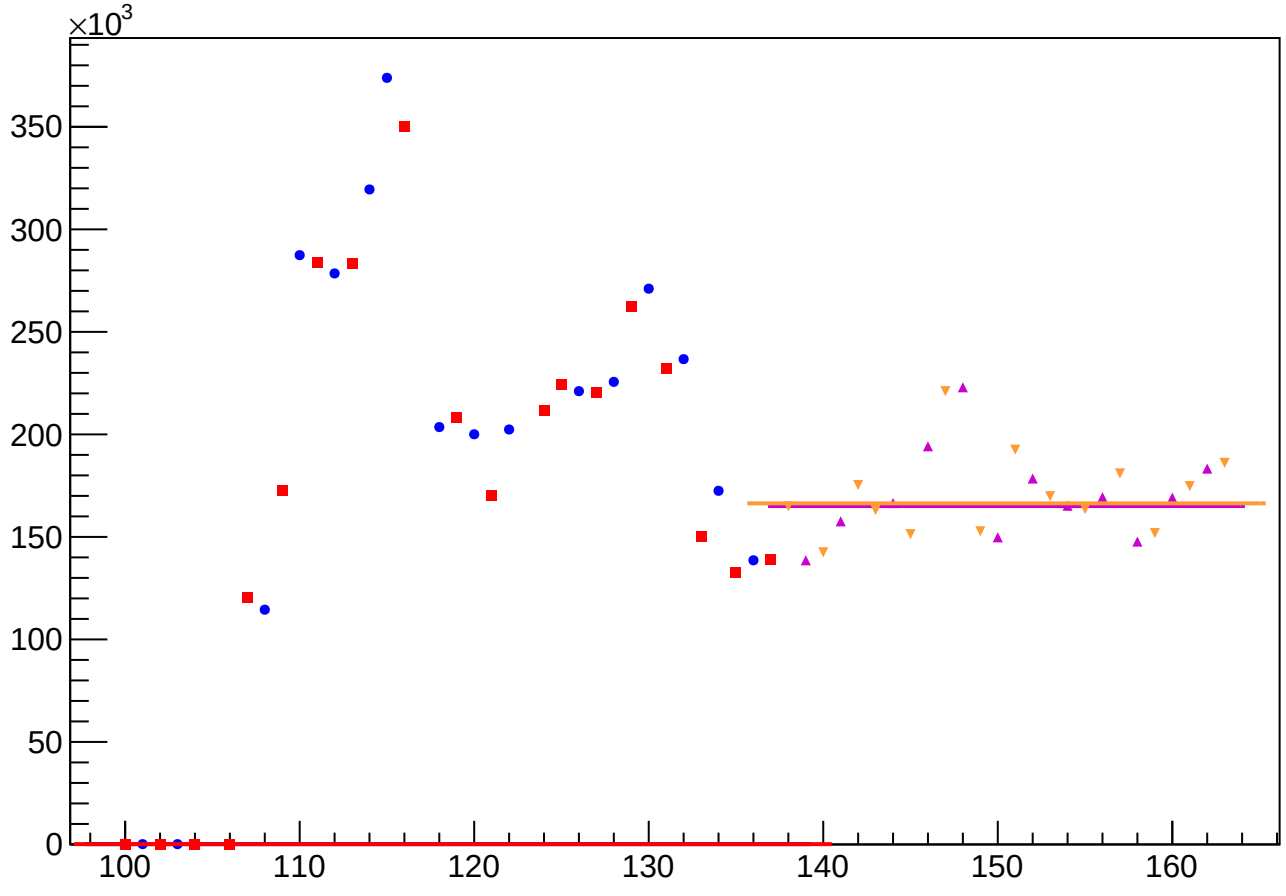
Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: 44.689+/-51.867 χ^2/NDF:18.8/11

+ sign -0.067+/-0.177 χ^2/NDF: 27.5/29

All: 0.036+/-0.121 χ^2/NDF: 62.9/60

- sign 0.126+/-0.166 χ^2/NDF: 34.8/30



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166375.920+/-35.504 χ^2/NDF:258787.3/13

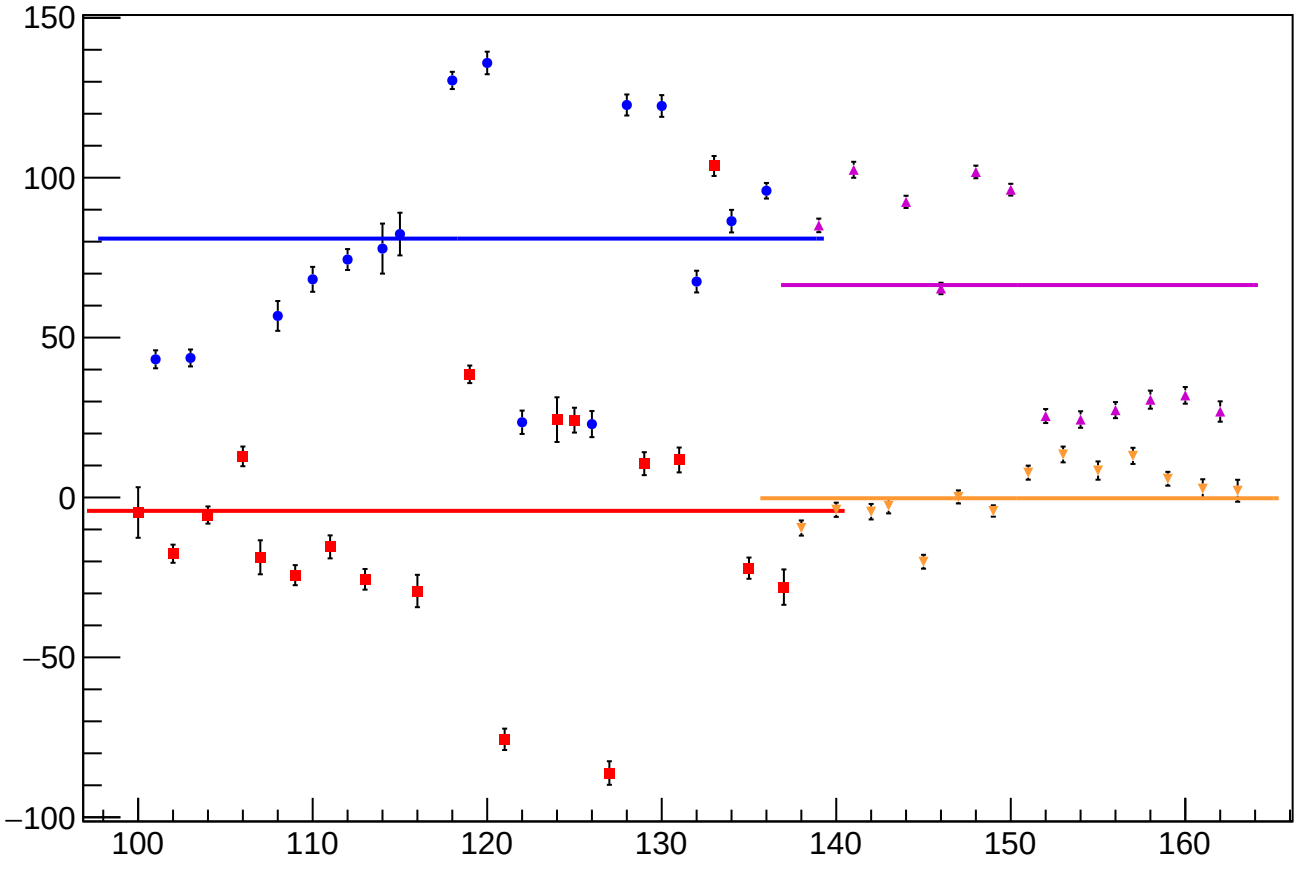
Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165045.585+/-36.676 χ^2/NDF:284681.9/11

+ sign 155.531+/-0.125 χ^2/NDF: 34082996.8/29

All: 156.766+/-0.086 χ^2/NDF: 65911437.9/60

- sign 157.856+/-0.118 χ^2/NDF: 31828258.2/30



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.240+/-0.626 χ^2/NDF:200.8/13

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

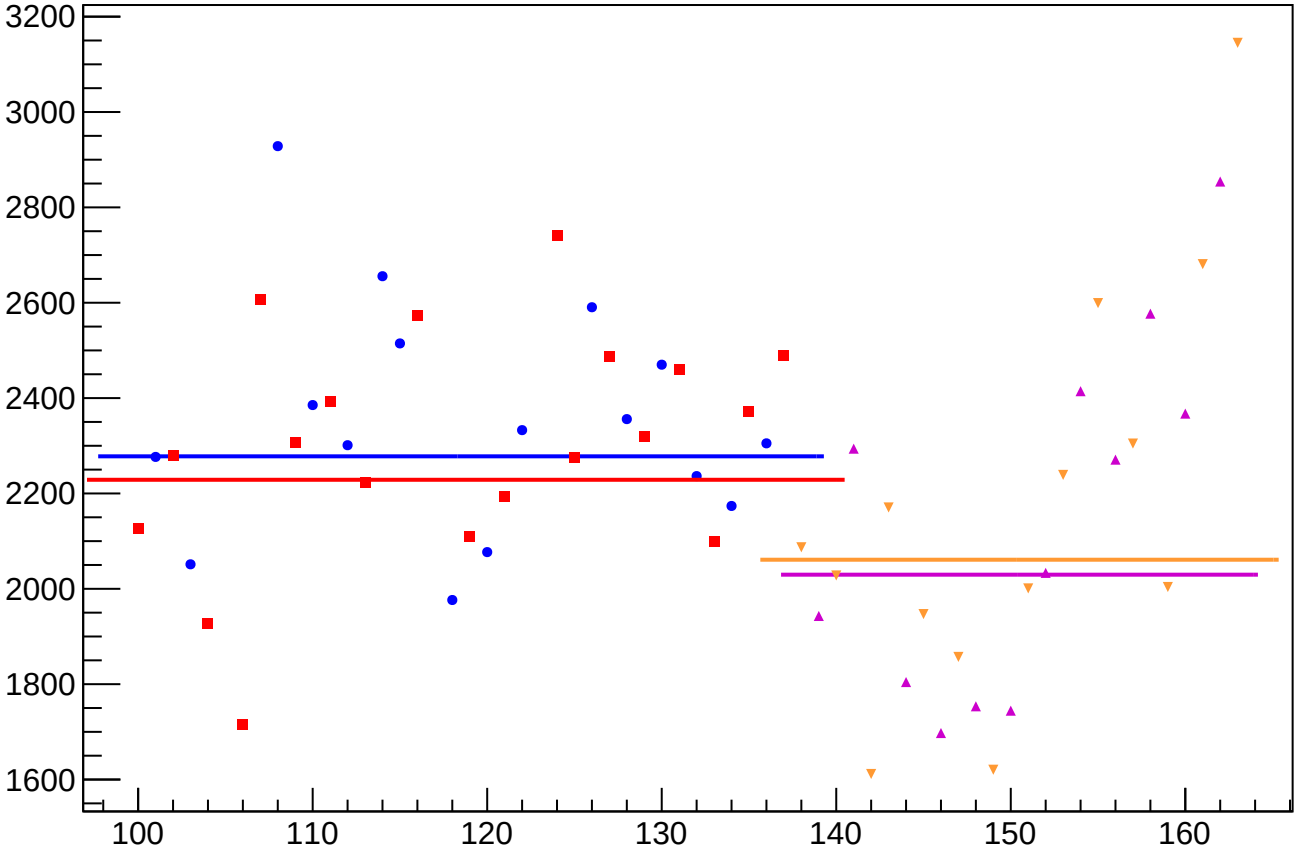
Left In: 66.425+/-0.645 χ^2/NDF:2397.7/11

+ sign 28.264+/-0.504 χ^2/NDF: 7915.9/29

All: 33.820+/-0.358 χ^2/NDF: 17855.9/60

- sign 39.432+/-0.507 χ^2/NDF: 9696.2/30

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2061.026+/-0.443 χ^2/NDF:610865.5/13

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

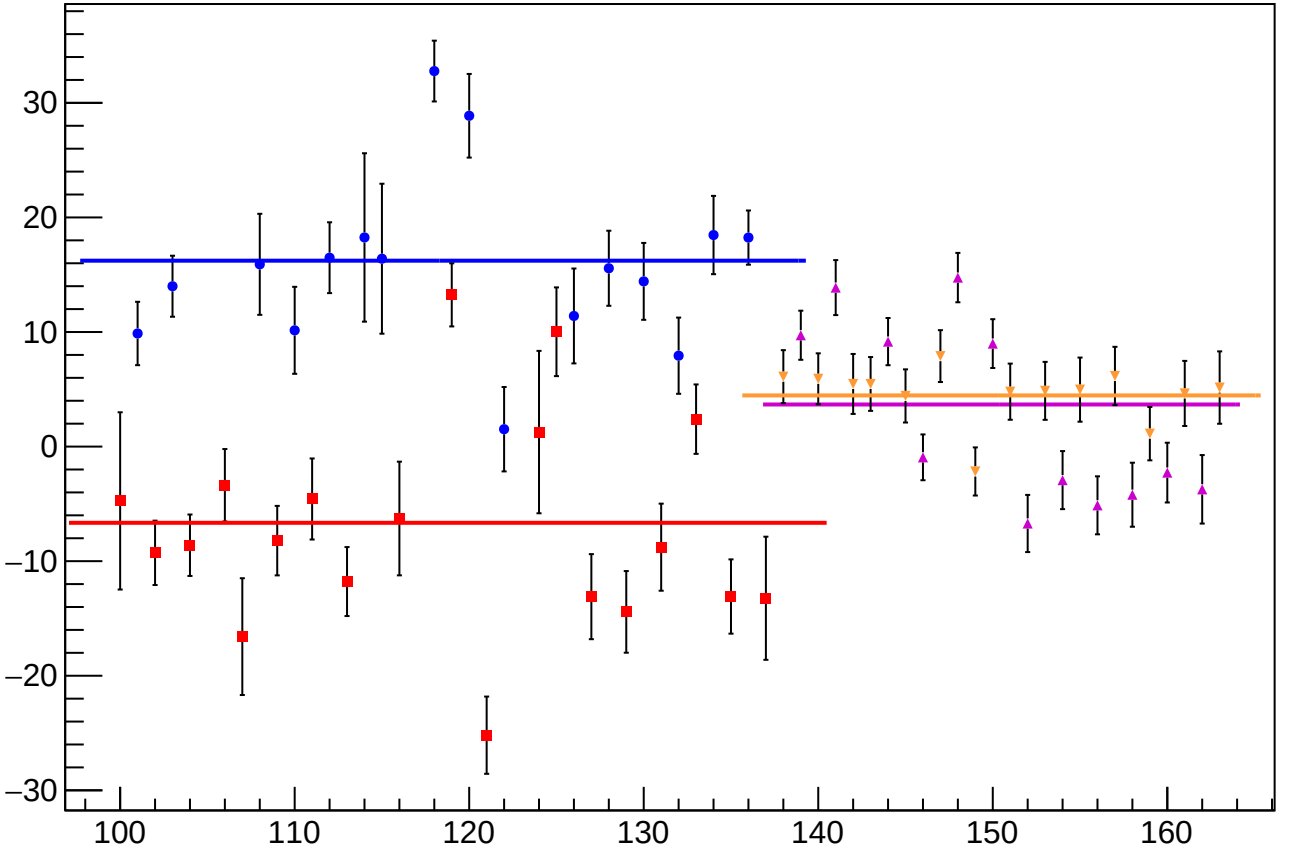
Left In: 2029.642+/-0.456 χ^2/NDF:514426.1/11

+ sign 2137.150+/-0.357 χ^2/NDF: 810814.6/29

All: 2121.522+/-0.253 χ^2/NDF: 1553011.1/60

- sign 2105.735+/-0.359 χ^2/NDF: 738338.5/30

diff_bpm0i01Y_mean vs Slug



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.467+/-0.654 χ^2/NDF:16.2/13

Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

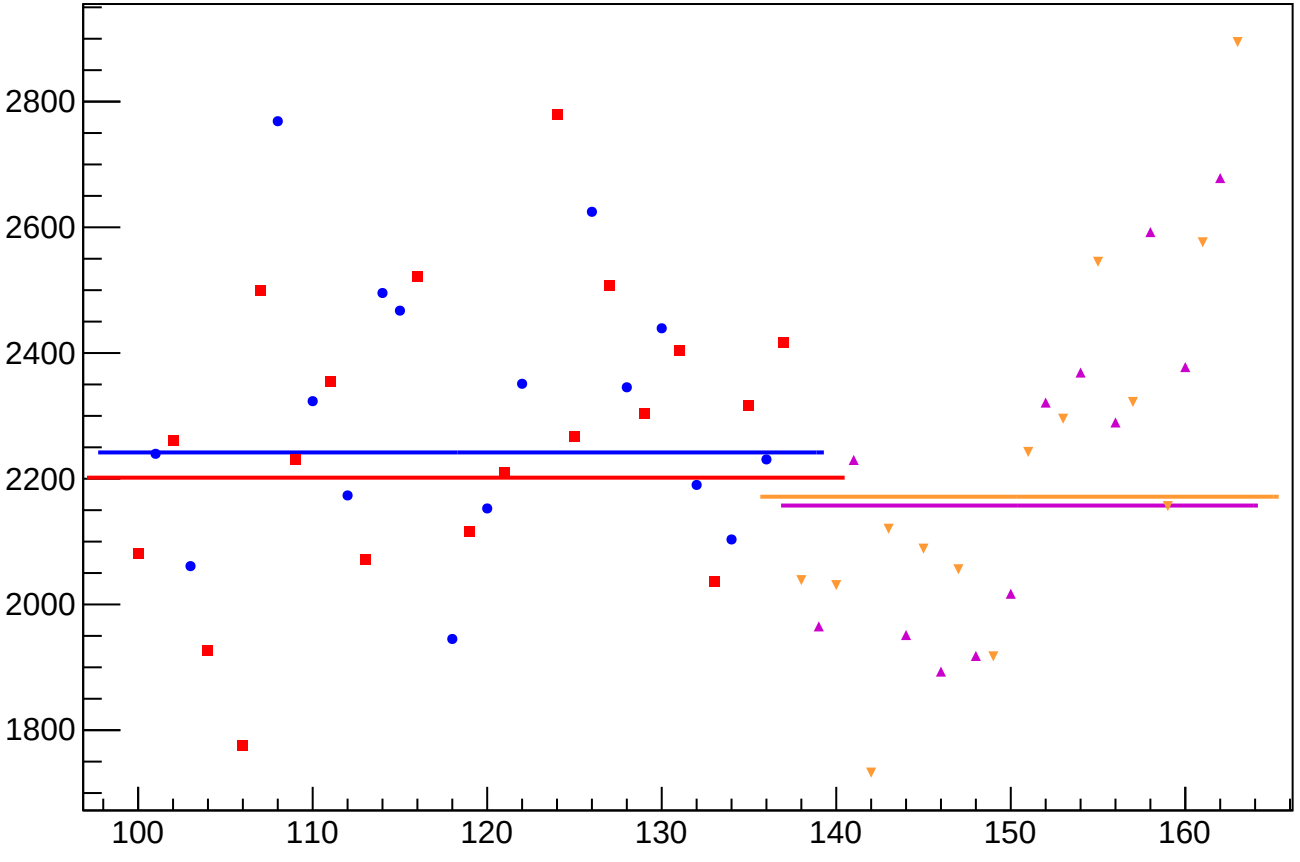
Left In: 3.675+/-0.678 χ^2/NDF:126.6/11

+ sign 8.921+/-0.515 χ^2/NDF: 223.1/29

All: 4.207+/-0.366 χ^2/NDF: 748.6/60

- sign -0.587+/-0.520 χ^2/NDF: 356.8/30

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2171.424+/-0.462 χ^2/NDF:303600.6/13

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

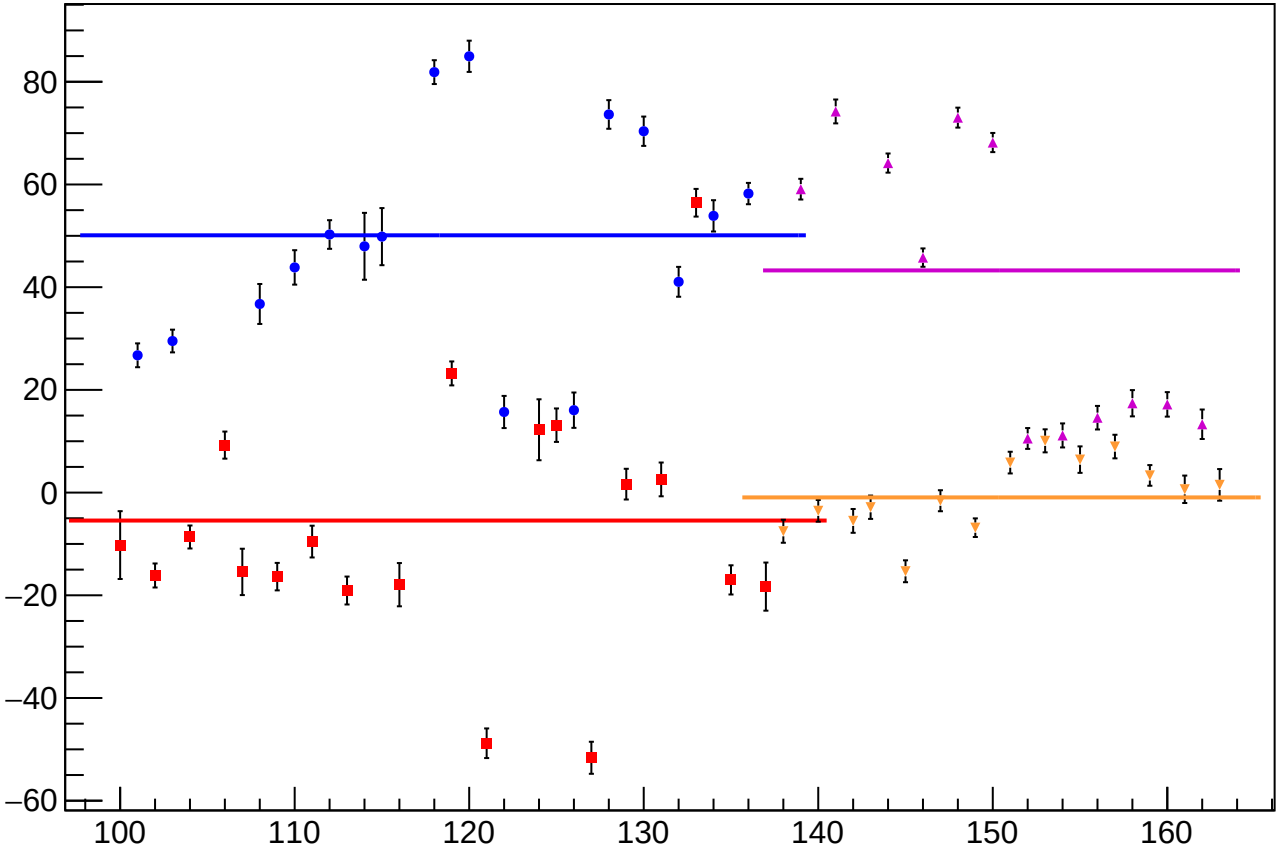
Left In: 2157.379+/-0.480 χ^2/NDF:257733.2/11

+ sign 2198.098+/-0.364 χ^2/NDF: 414646.2/29

All: 2186.988+/-0.259 χ^2/NDF: 807665.0/60

- sign 2175.686+/-0.368 χ^2/NDF: 391144.7/30

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.939+/-0.595 χ^2/NDF:137.6/13

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

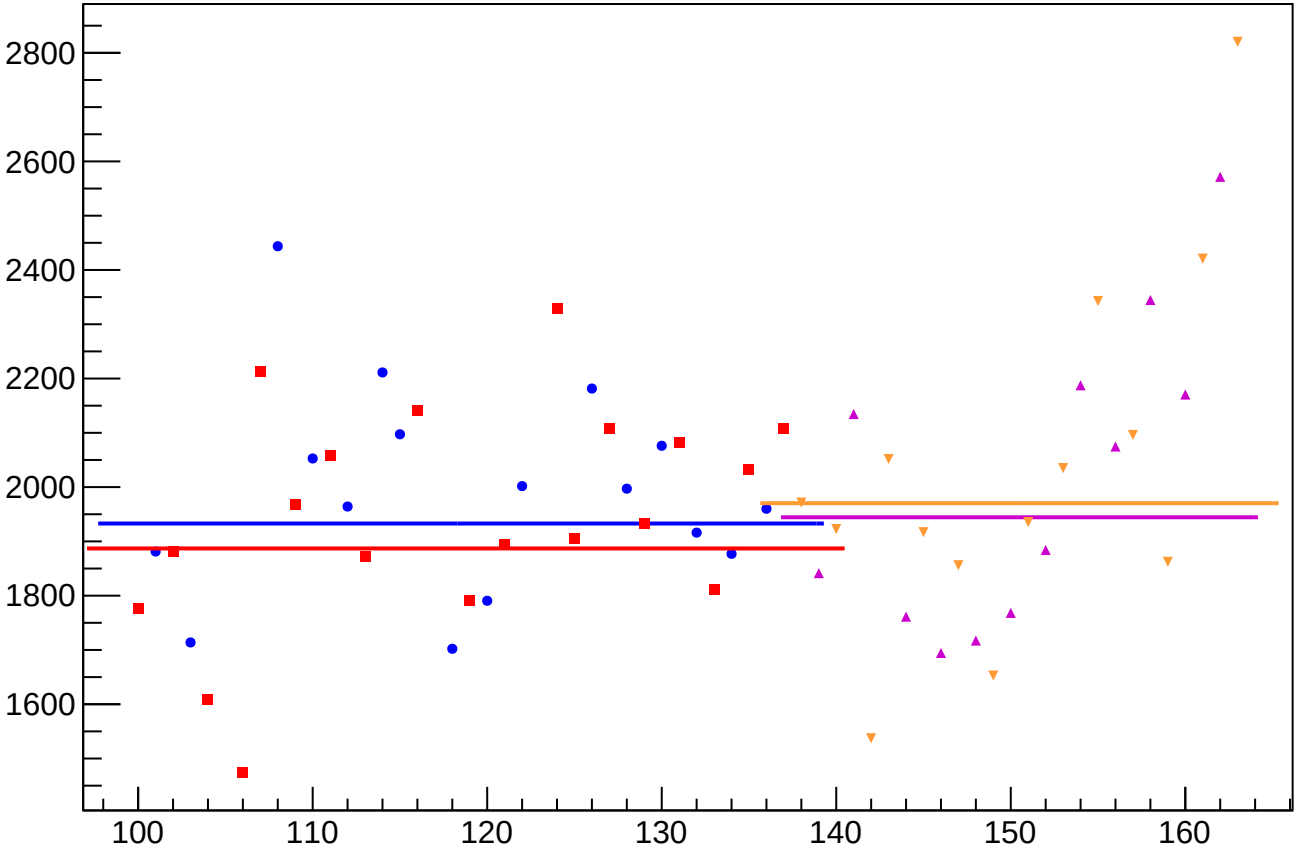
Left In: 43.266+/-0.615 χ^2/NDF:1714.2/11

+ sign 19.715+/-0.459 χ^2/NDF: 4000.4/29

All: 20.790+/-0.325 χ^2/NDF: 9797.1/60

- sign 21.868+/-0.460 χ^2/NDF: 5785.7/30

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1970.400+/-0.421 χ^2/NDF:407080.7/13

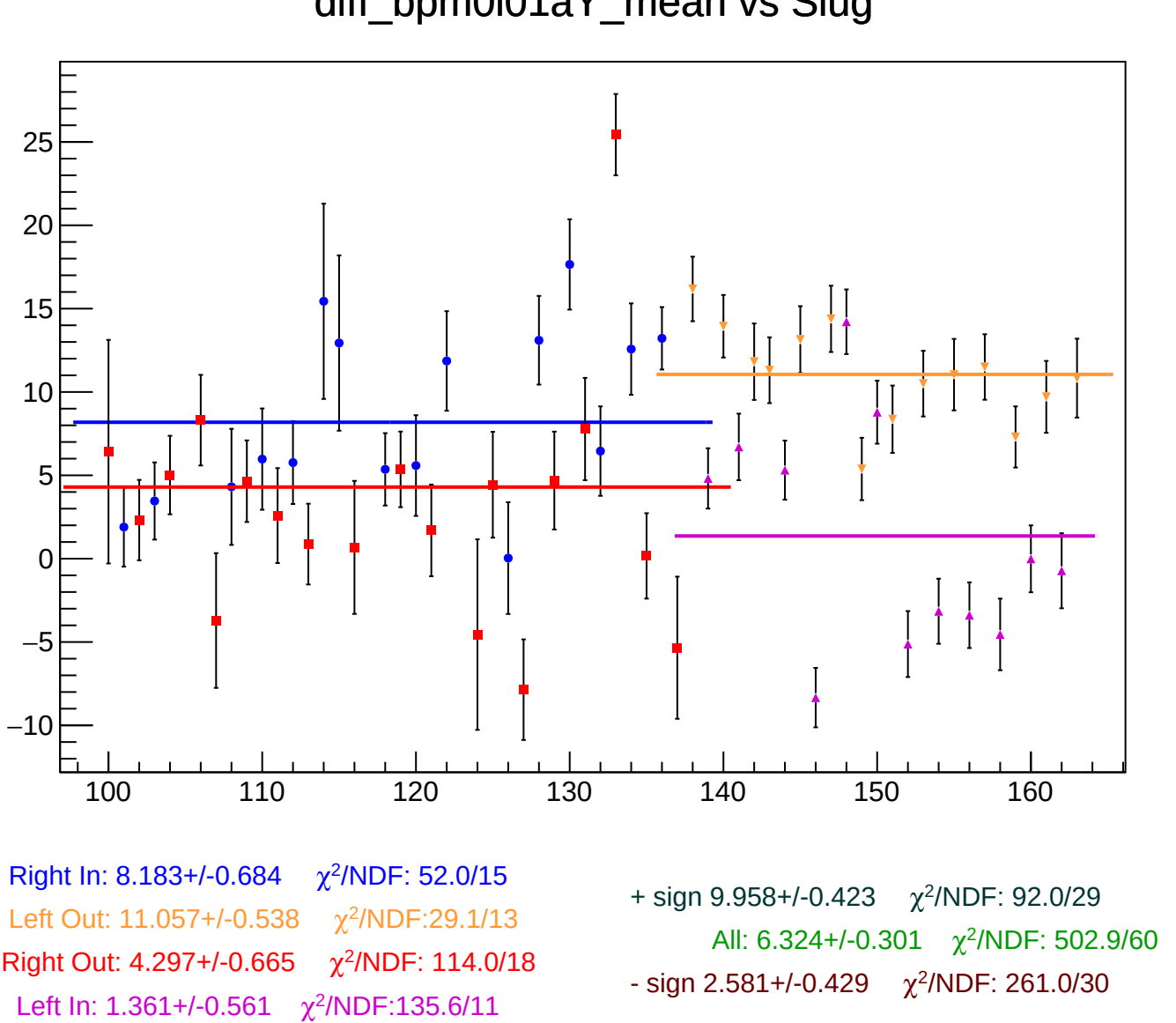
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

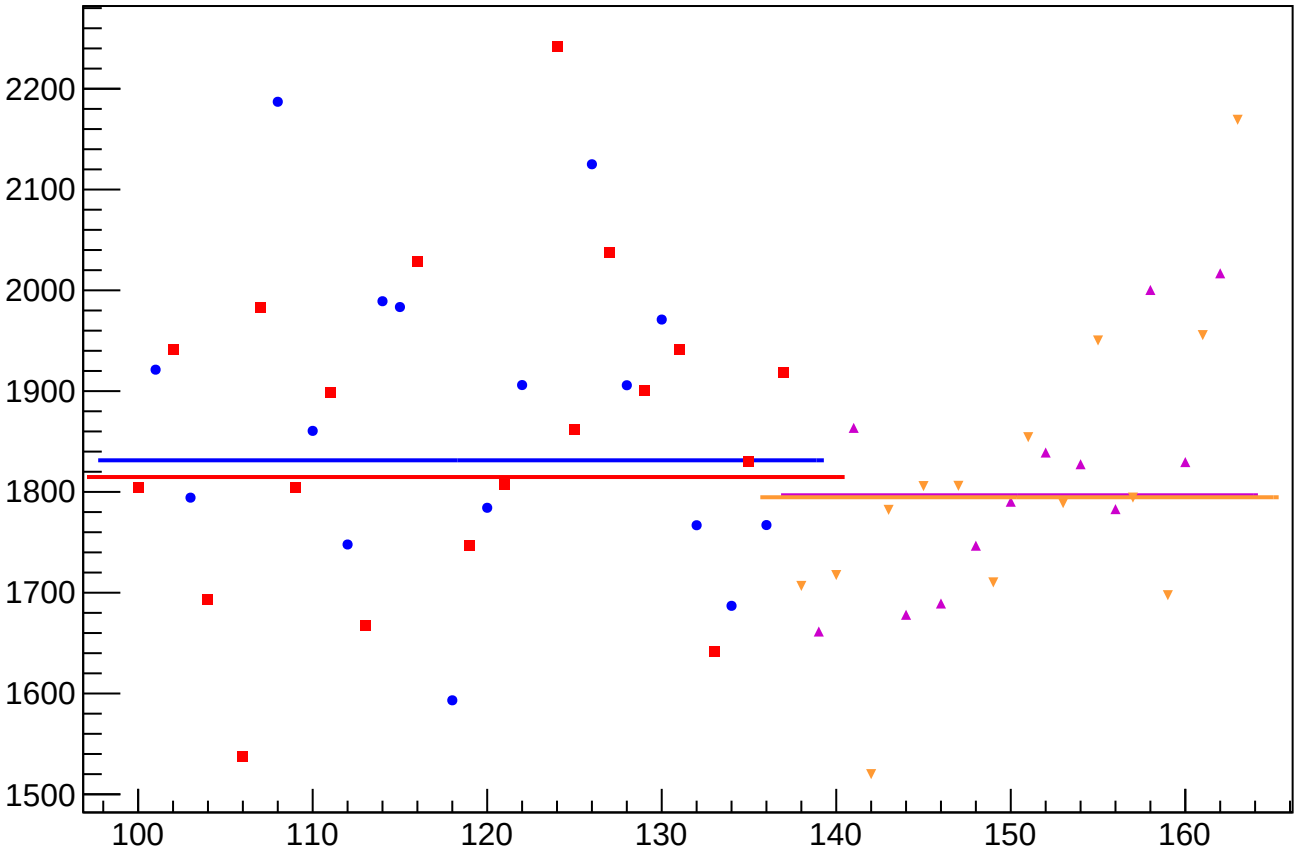
Left In: 1944.436+/-0.435 χ^2/NDF:314266.7/11

+ sign 1955.227+/-0.325 χ^2/NDF: 516258.4/29

All: 1937.248+/-0.230 χ^2/NDF: 994083.0/60

- sign 1919.207+/-0.325 χ^2/NDF: 471686.7/30


diff_bpm0i01aY_mean vs Slug
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 8.183+/-0.684 χ²/NDF: 52.0/15
Left Out: 11.057+/-0.538 χ²/NDF:29.1/13
Right Out: 4.297+/-0.665 χ²/NDF: 114.0/18
Left In: 1.361+/-0.561 χ²/NDF:135.6/11
+ sign 9.958+/-0.423 χ²/NDF: 92.0/29
All: 6.324+/-0.301 χ²/NDF: 502.9/60
- sign 2.581+/-0.429 χ²/NDF: 261.0/30



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1794.703+/-0.380 χ^2/NDF:119692.8/13

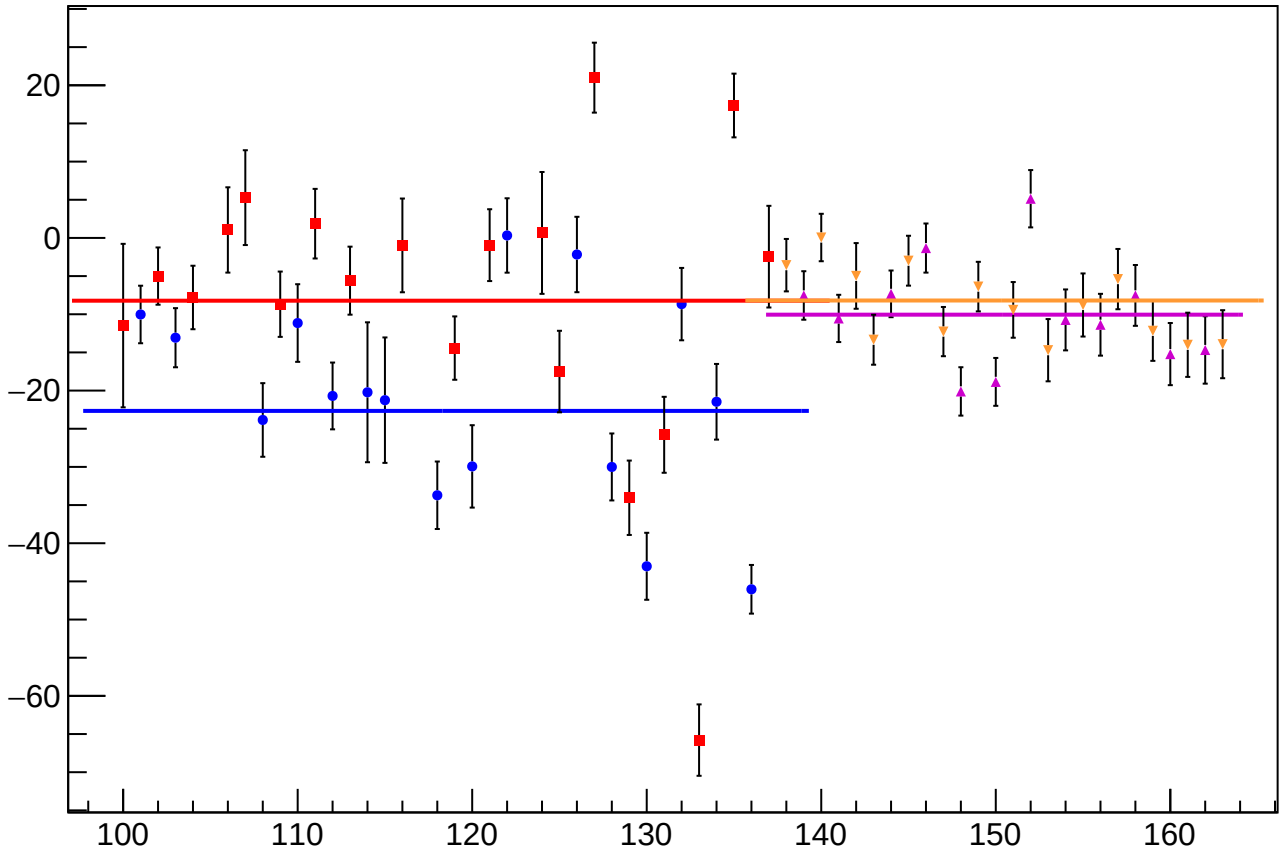
Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1796.668+/-0.397 χ^2/NDF:70173.3/11

+ sign 1808.720+/-0.299 χ^2/NDF: 210164.0/29

All: 1806.490+/-0.213 χ^2/NDF: 372054.1/60

- sign 1804.193+/-0.303 χ^2/NDF: 161777.1/30



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.198+/-0.976 χ^2/NDF:24.1/13

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

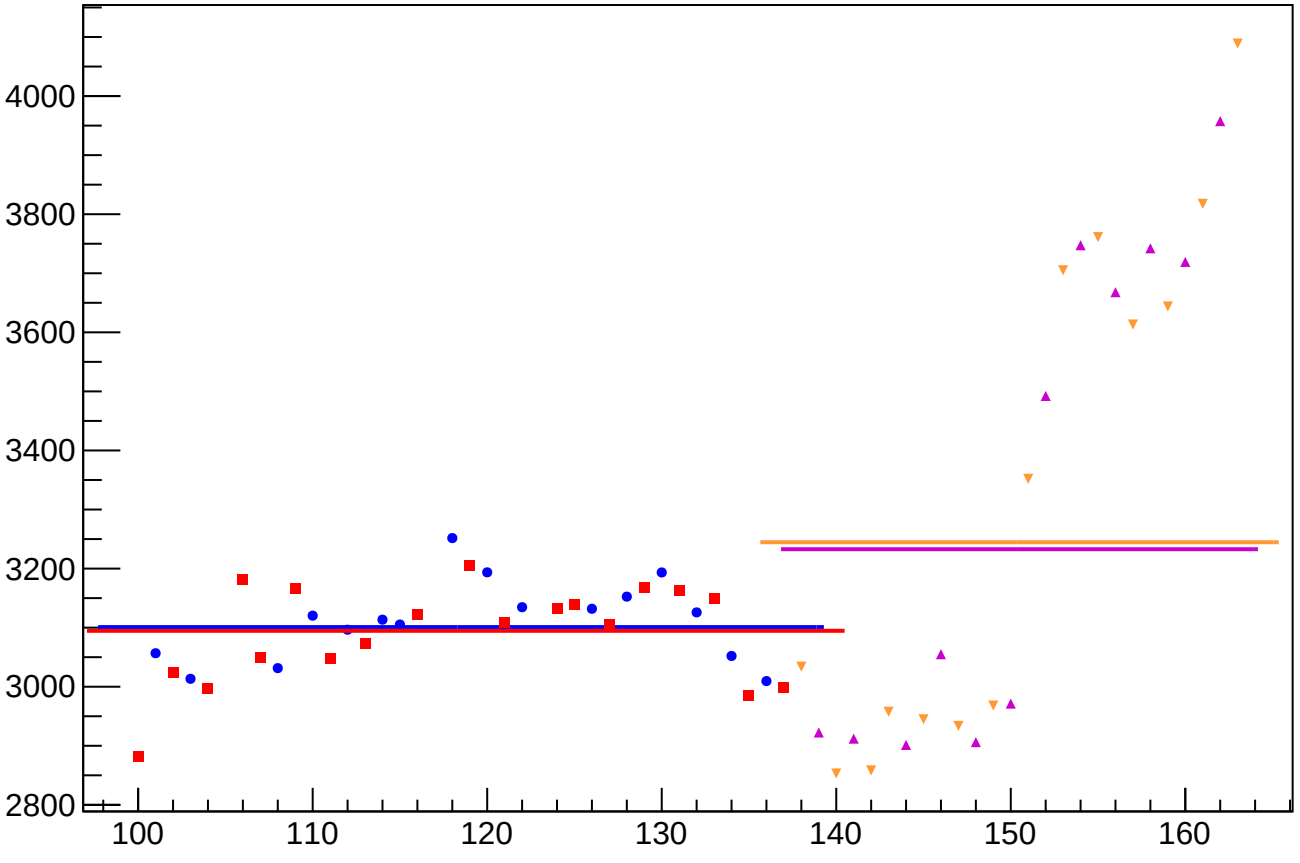
Left In: -10.055+/-1.011 χ^2/NDF:46.4/11

+ sign -14.243+/-0.745 χ^2/NDF: 273.1/29

All: -11.770+/-0.530 χ^2/NDF: 638.0/60

- sign -9.239+/-0.753 χ^2/NDF: 342.6/30

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3244.640+/-0.690 χ^2/NDF:326037.4/13

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

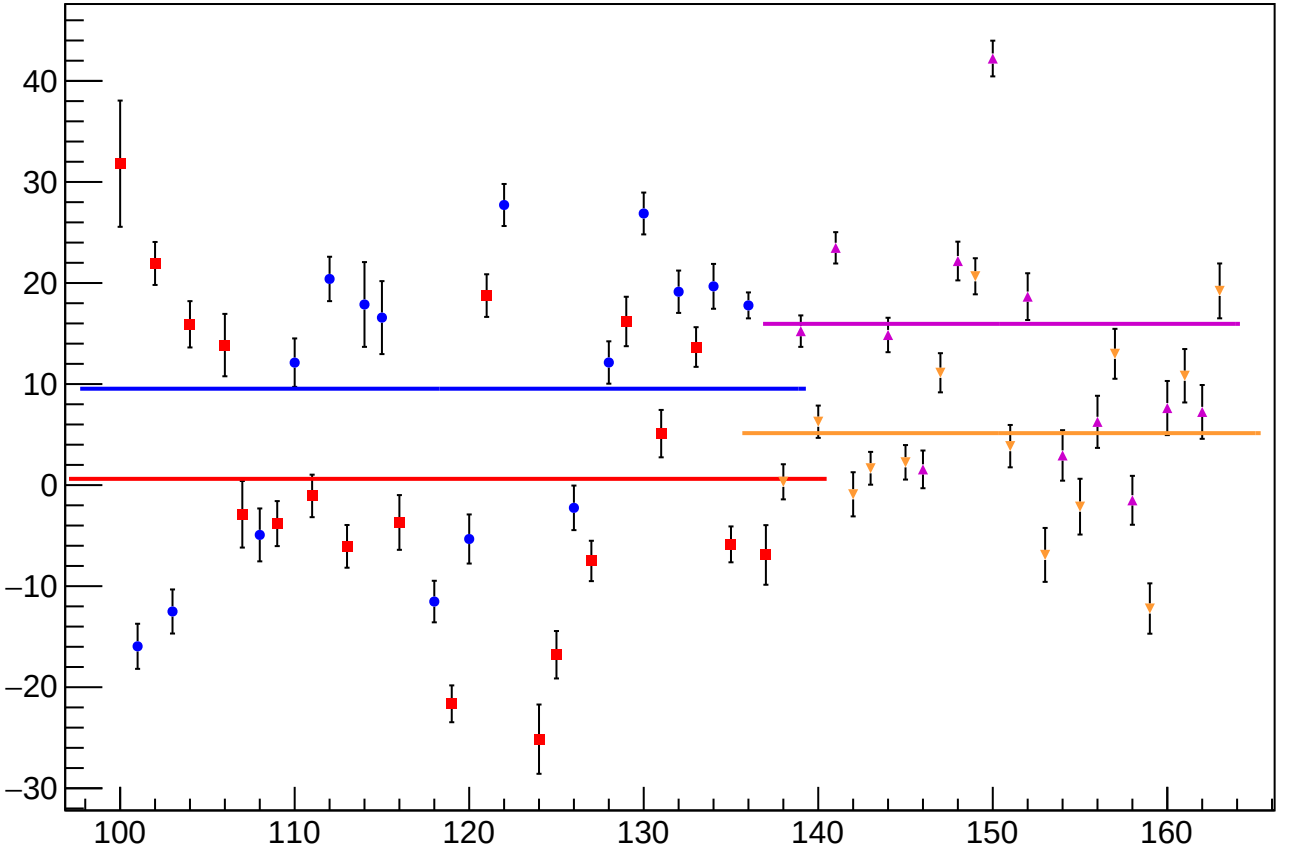
Left In: 3232.814+/-0.715 χ^2/NDF:286310.8/11

\+ sign 3184.581+/-0.527 χ^2/NDF: 352046.6/29

All: 3178.017+/-0.374 χ^2/NDF: 663866.2/60

\- sign 3171.301+/-0.533 χ^2/NDF: 311505.2/30

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.143+/-0.547 χ^2/NDF:226.2/13

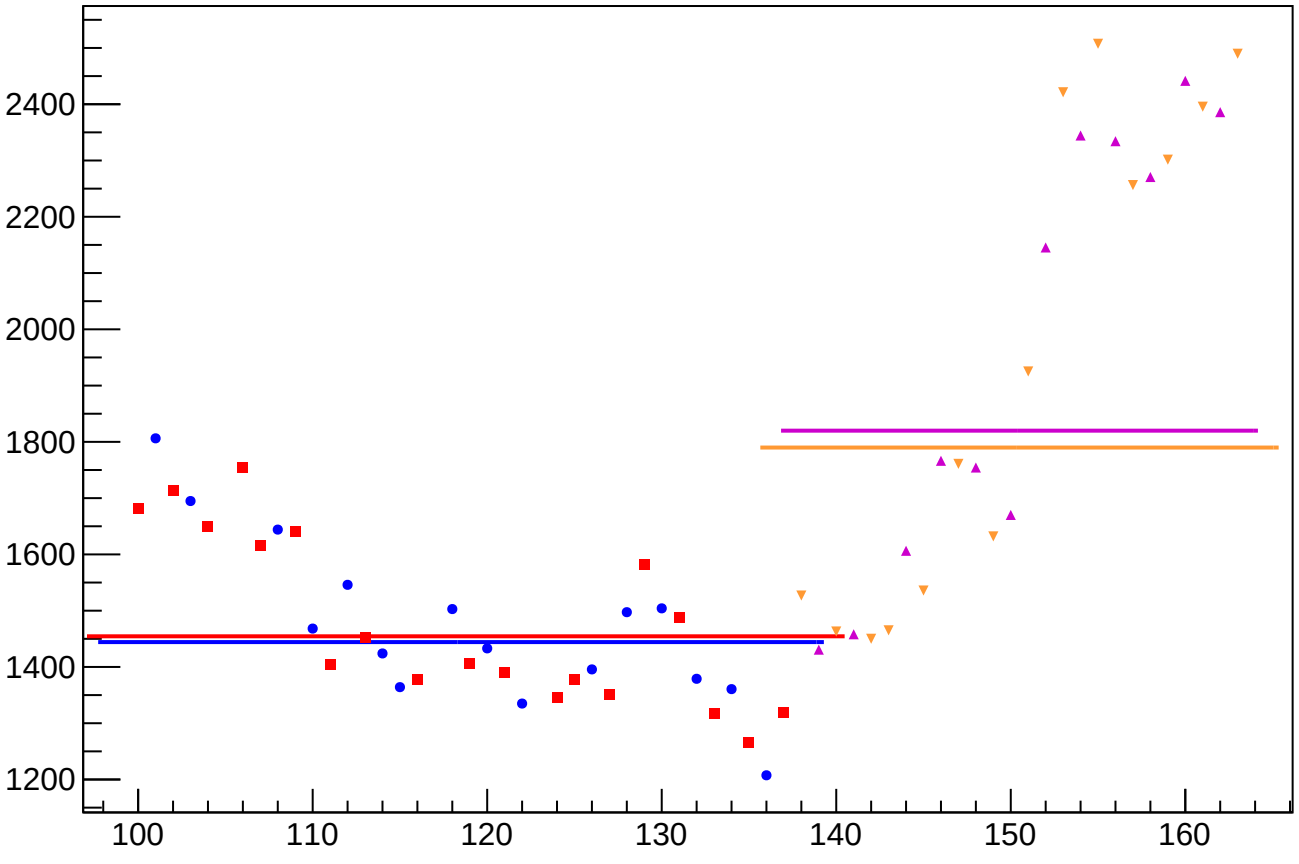
Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: 15.959+/-0.577 χ^2/NDF:430.0/11

+ sign 7.366+/-0.385 χ^2/NDF: 957.6/29

All: 7.527+/-0.275 χ^2/NDF: 2434.1/60

- sign 7.694+/-0.392 χ^2/NDF: 1476.2/30



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1789.900+/-0.387 χ^2/NDF:967353.9/13

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

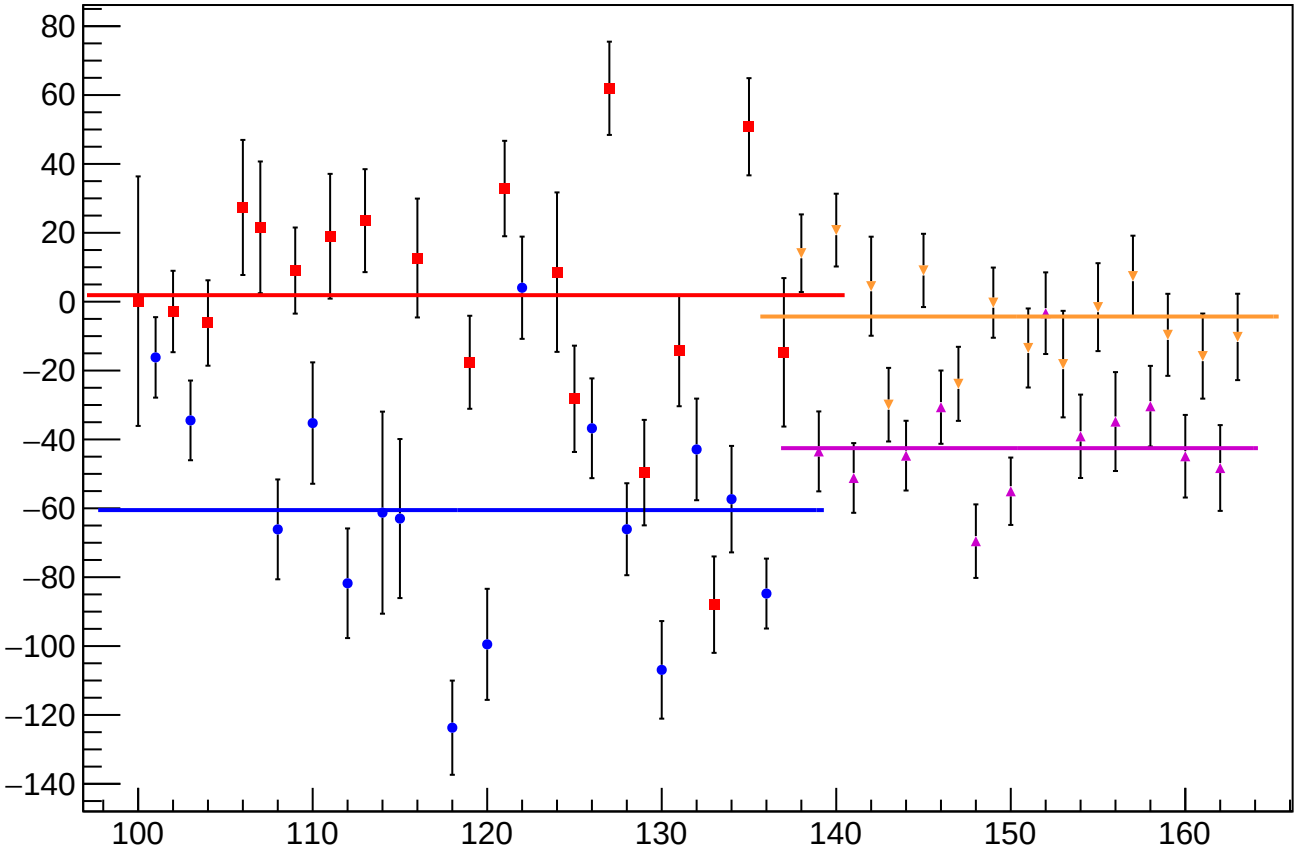
Left In: 1819.906+/-0.408 χ^2/NDF:758235.2/11

+ sign 1615.123+/-0.272 χ^2/NDF: 1550865.4/29

All: 1618.995+/-0.194 χ^2/NDF: 2884098.7/60

- sign 1623.014+/-0.277 χ^2/NDF: 1332820.6/30

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.311+/-3.121 χ^2/NDF:23.2/13

Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

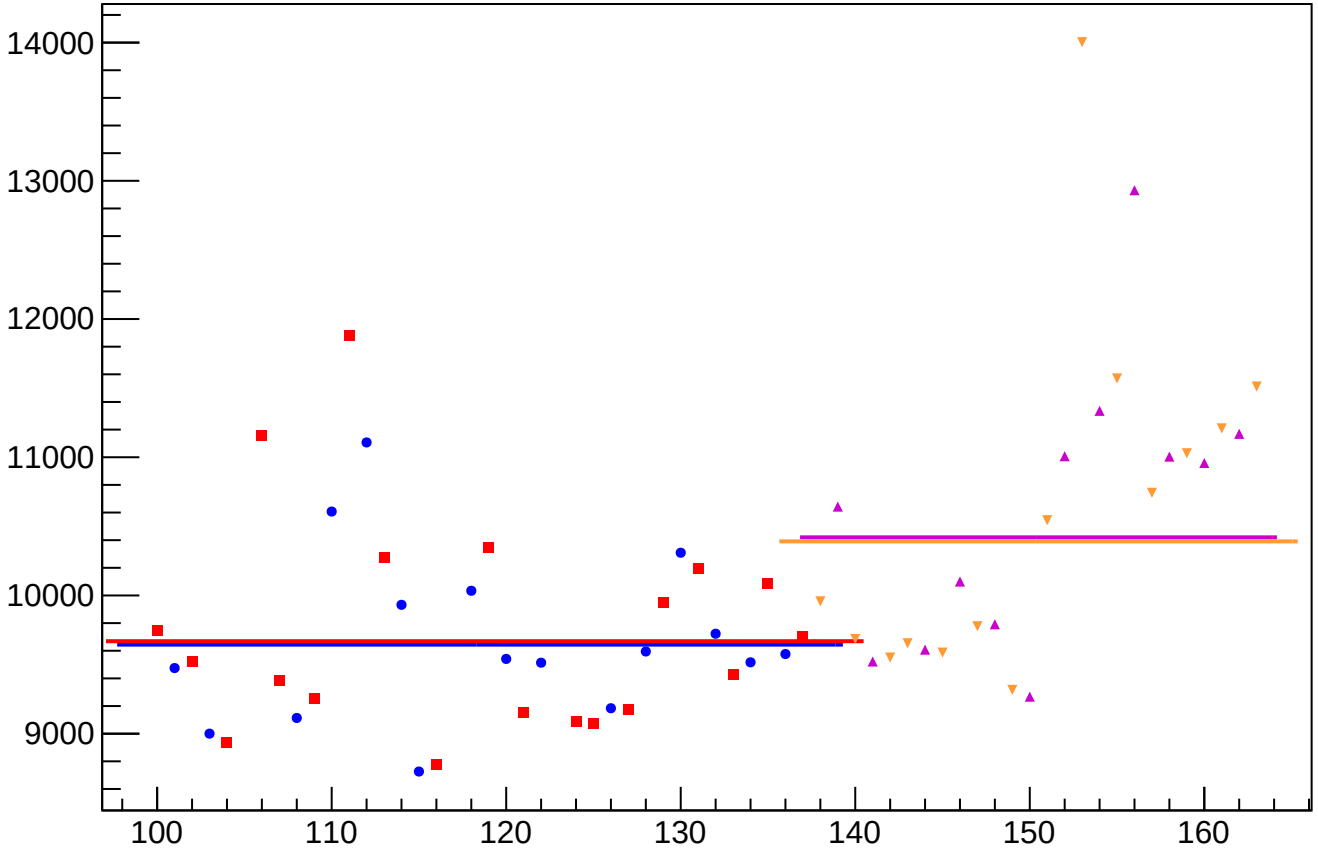
Left In: -42.529+/-3.254 χ^2/NDF:22.7/11

+ sign -28.458+/-2.357 χ^2/NDF: 252.9/29

All: -25.383+/-1.680 χ^2/NDF: 468.2/60

- sign -22.204+/-2.396 χ^2/NDF: 211.8/30

diff_bpm0l02X_rms vs Slug



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10391.246+/-2.207 χ^2/NDF:227196.1/13

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

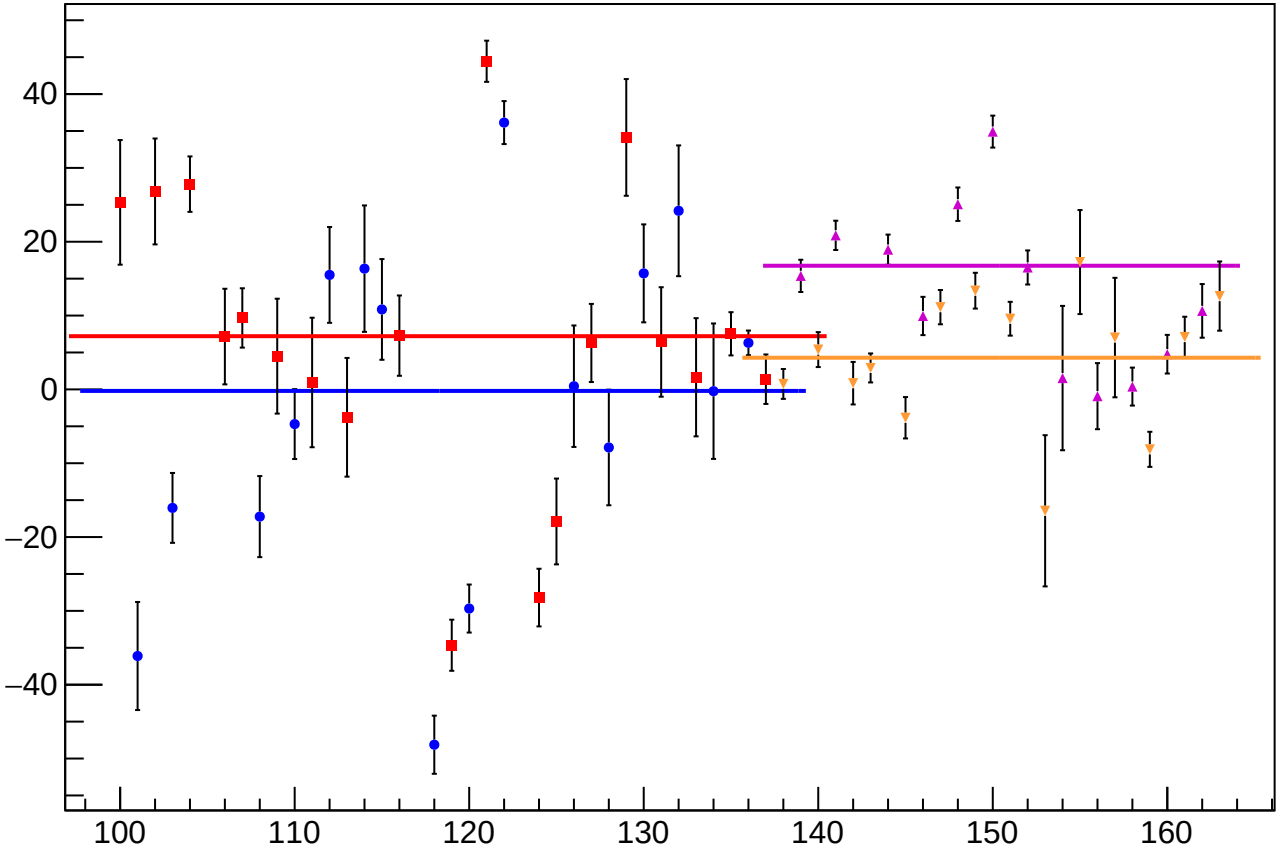
Left In: 10420.541+/-2.301 χ^2/NDF:159595.1/11

+ sign 10070.382+/-1.667 χ^2/NDF: 320497.0/29

All: 10073.512+/-1.188 χ^2/NDF: 608780.6/60

- sign 10076.747+/-1.695 χ^2/NDF: 288276.4/30

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.291+/-0.730 χ^2/NDF:80.8/13

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

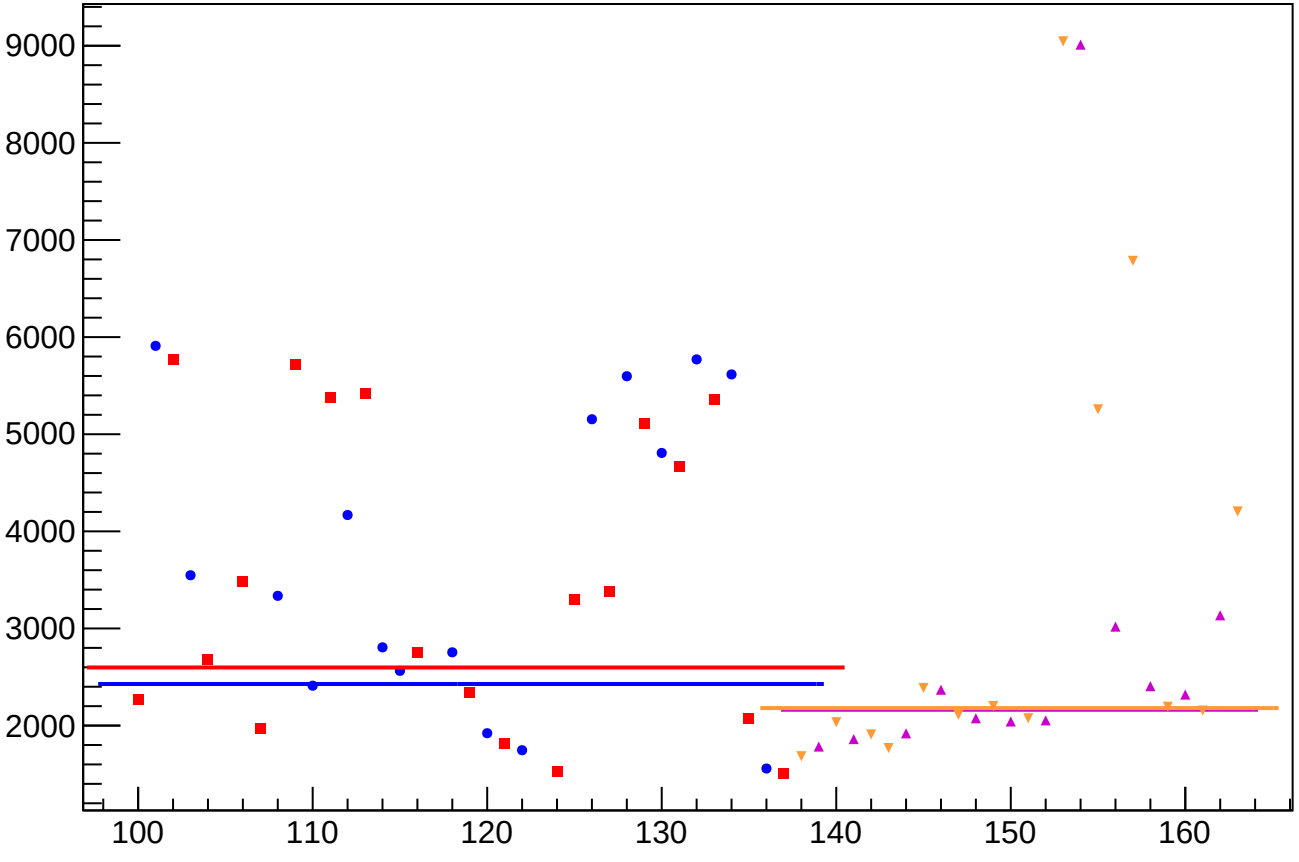
Left In: 16.749+/-0.729 χ^2/NDF:179.0/11

+ sign 2.817+/-0.599 χ^2/NDF: 566.9/29

All: 8.237+/-0.425 χ^2/NDF: 1451.0/60

- sign 13.739+/-0.603 χ^2/NDF: 718.8/30

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2180.058+/-0.516 χ^2/NDF:2551537.2/13

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

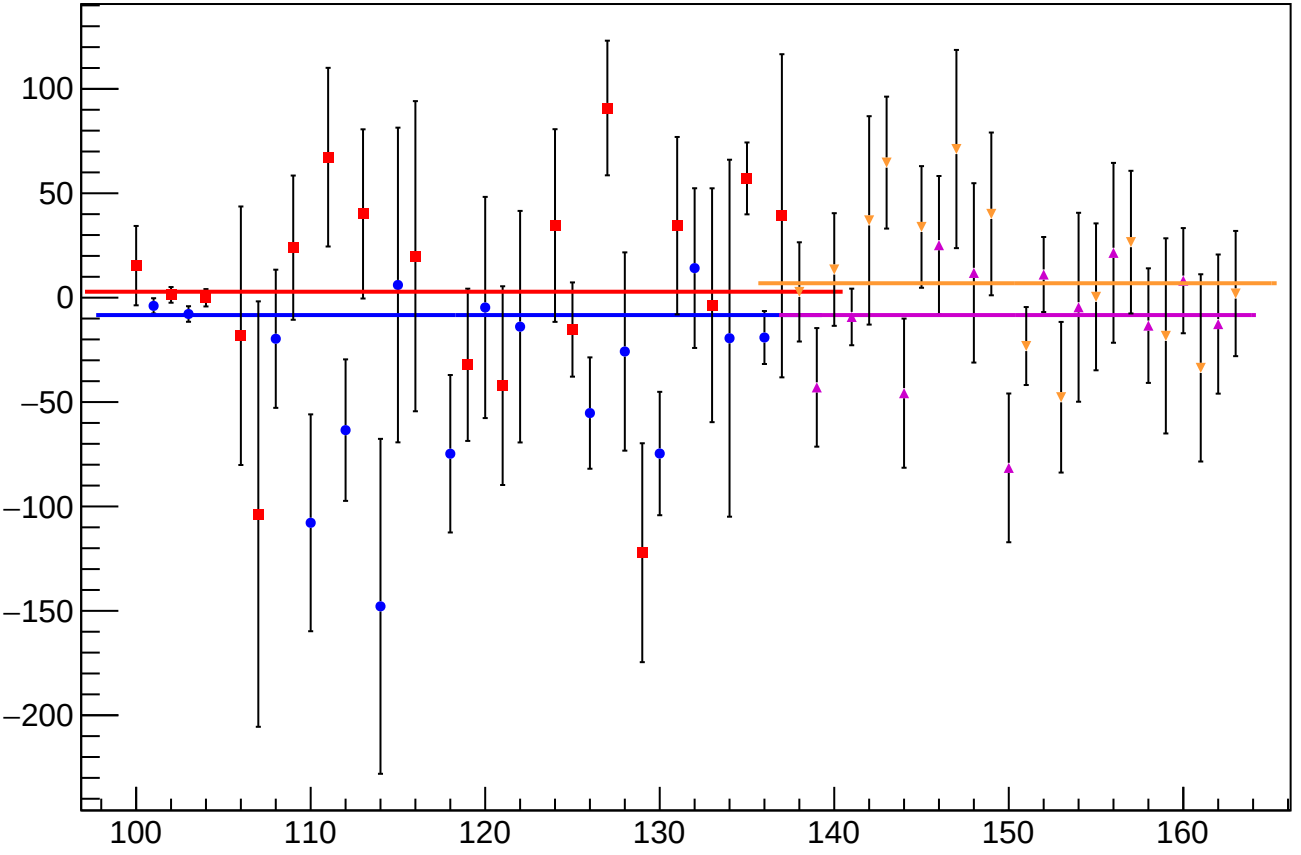
Left In: 2163.193+/-0.515 χ^2/NDF:1384316.7/11

+ sign 2261.364+/-0.423 χ^2/NDF: 5442550.5/29

All: 2280.763+/-0.300 χ^2/NDF: 9570920.9/60

- sign 2300.454+/-0.426 χ^2/NDF: 4124136.8/30

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.913+/-8.393 χ^2/NDF:13.6/13

Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

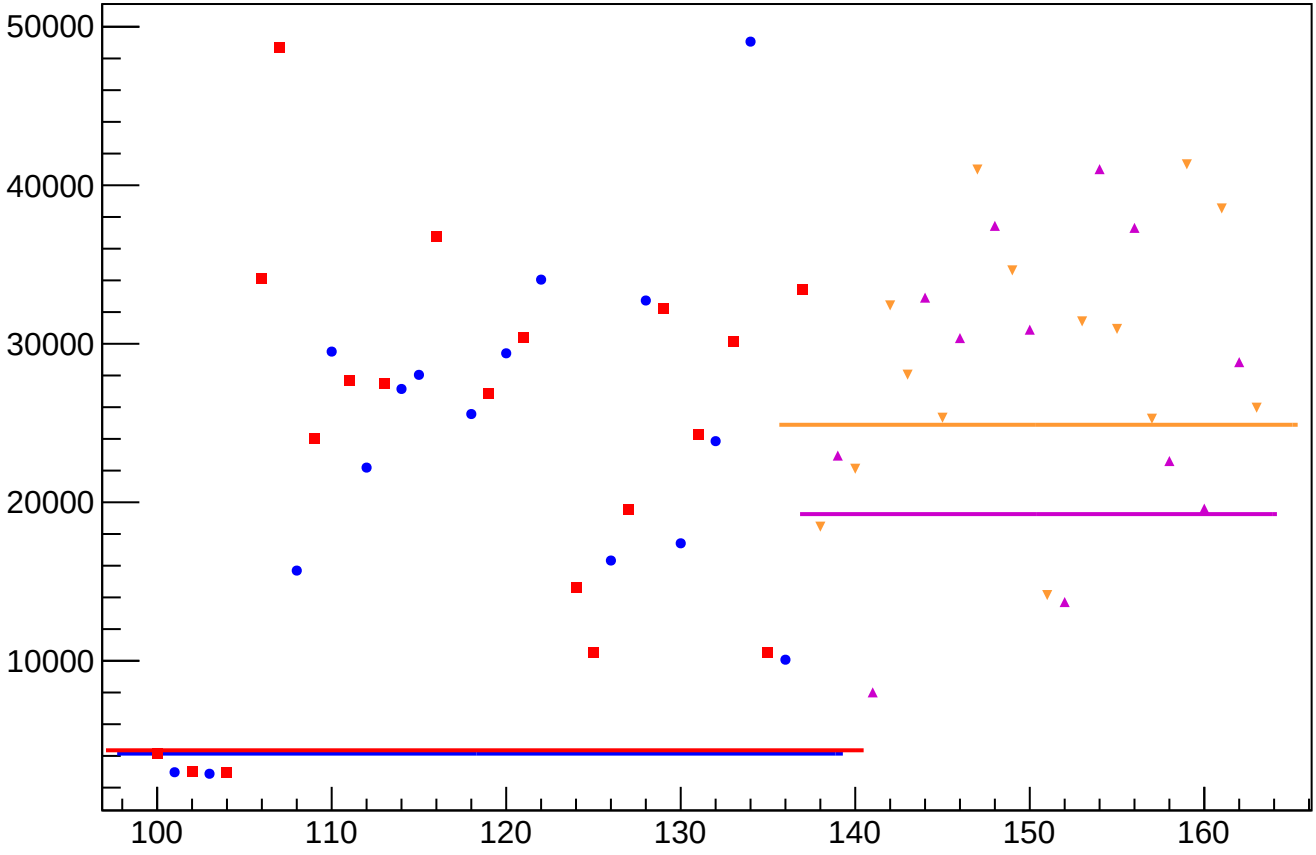
Left In: -8.330+/-7.529 χ^2/NDF:10.2/11

+ sign -7.091+/-2.395 χ^2/NDF: 40.1/29

All: -2.903+/-1.727 χ^2/NDF: 91.2/60

- sign 1.625+/-2.491 χ^2/NDF: 44.8/30

diff_bpm0l03X_rms vs Slug



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24890.396+/-5.935 χ^2/NDF:1810144.4/13

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

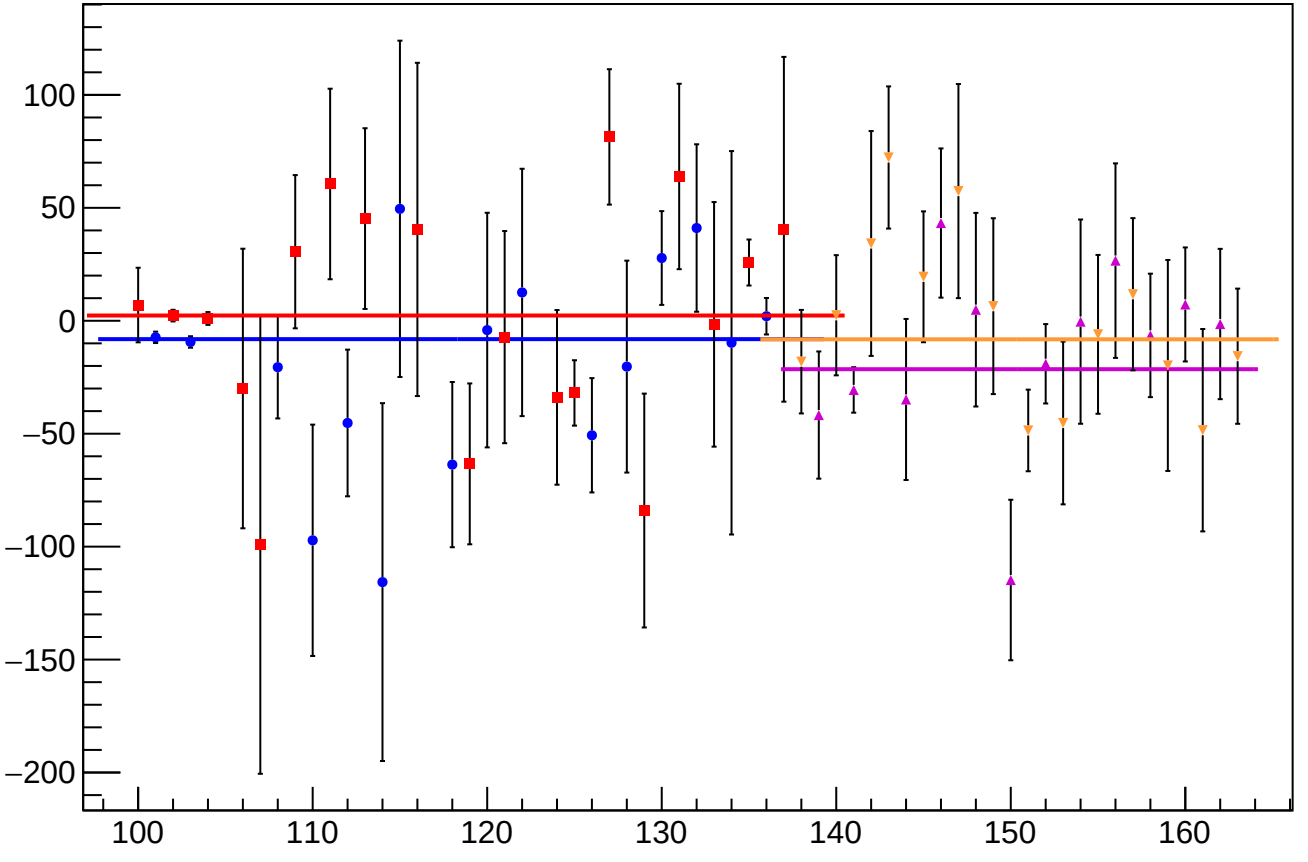
Left In: 19255.078+/-5.324 χ^2/NDF:3700823.5/11

+ sign 5835.587+/-1.694 χ^2/NDF: 19870023.0/29

All: 5907.555+/-1.221 χ^2/NDF: 38175402.2/6

- sign 5985.377+/-1.761 χ^2/NDF: 18301621.7/30

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.207+/-8.269 χ^2/NDF:17.9/13

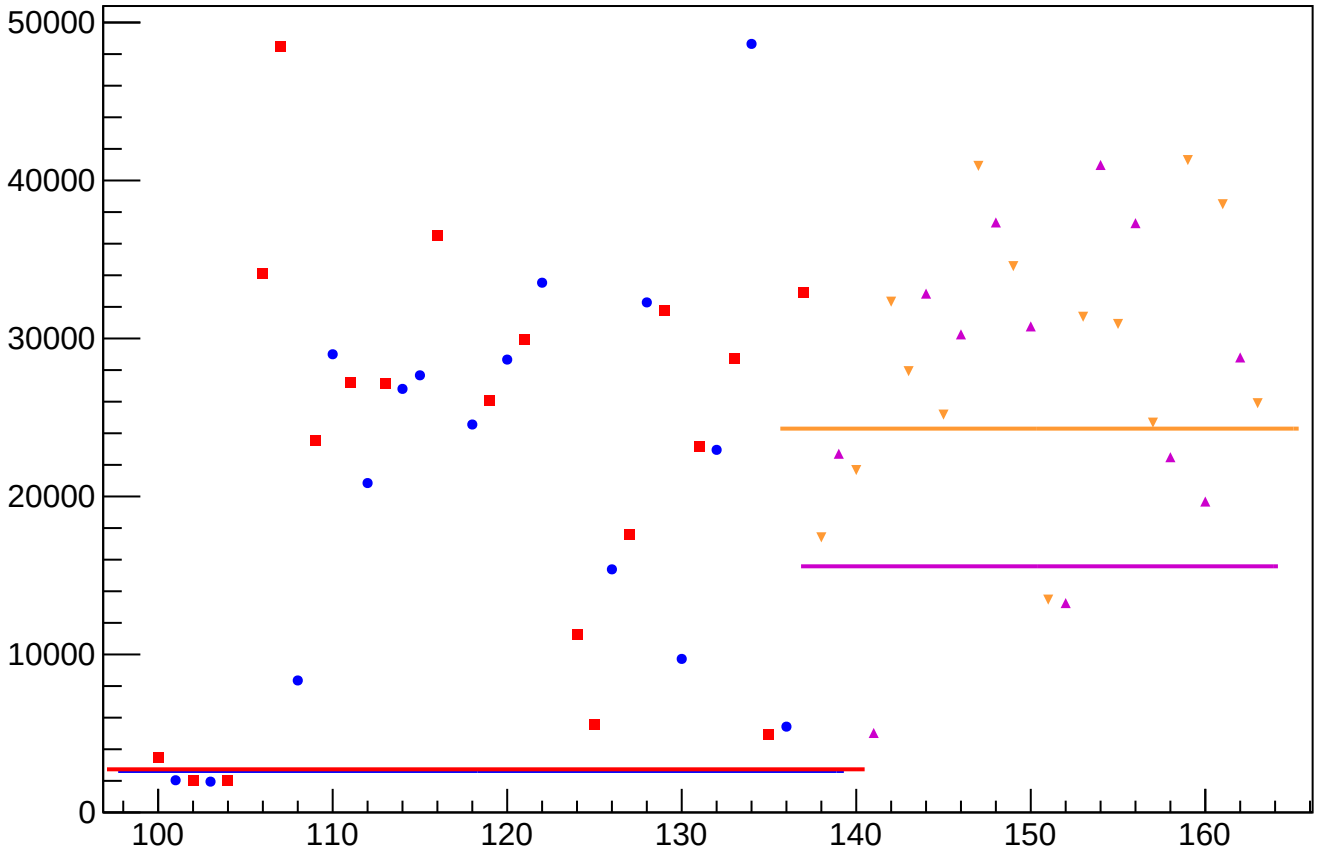
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -21.442+/-6.704 χ^2/NDF:16.0/11

+ sign -8.136+/-1.684 χ^2/NDF: 37.0/29

All: -3.911+/-1.216 χ^2/NDF: 111.0/60

- sign 0.690+/-1.758 χ^2/NDF: 60.8/30



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24294.579+/-5.847 χ^2/NDF:2003931.2/13

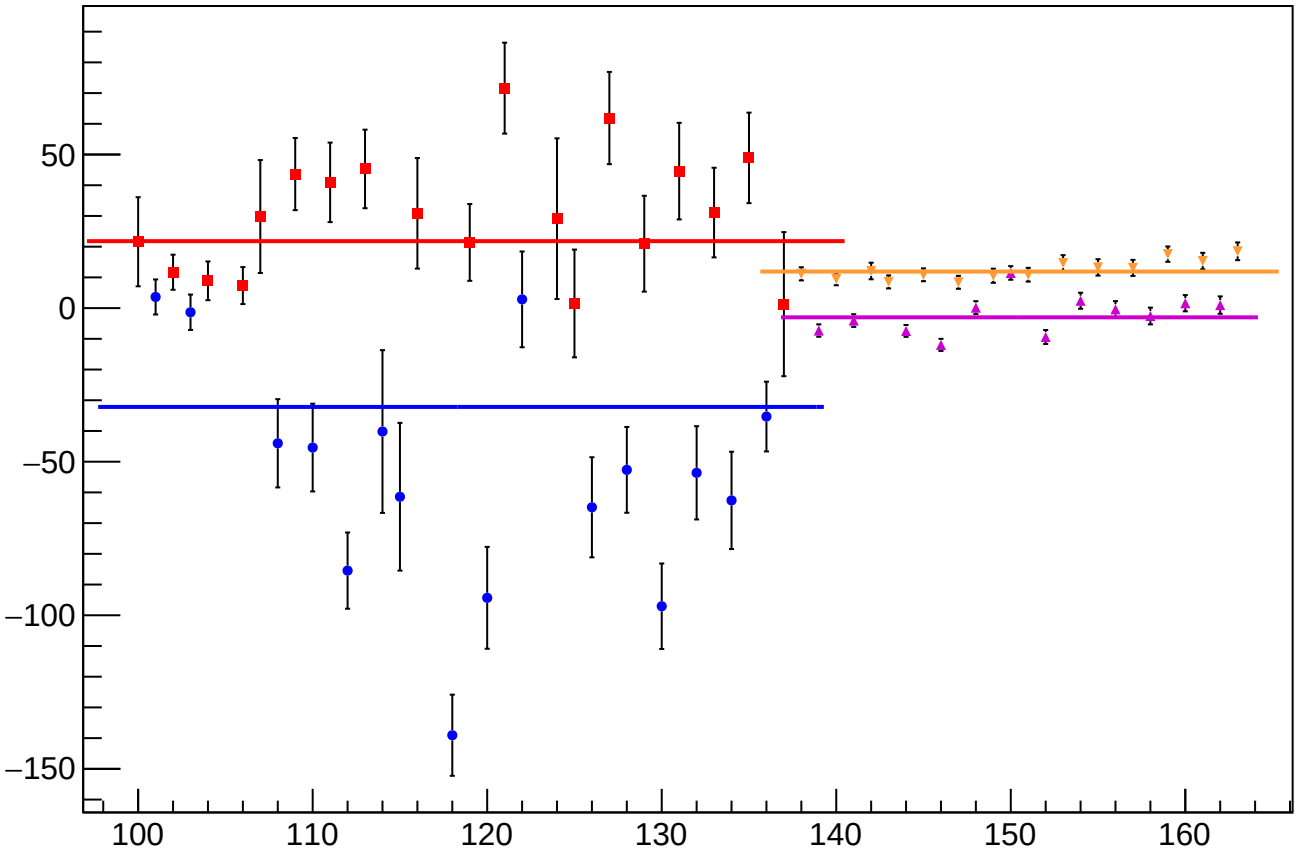
Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15579.445+/-4.740 χ^2/NDF:5741914.7/11

+ sign 3525.366+/-1.191 χ^2/NDF: 21946964.5/29

All: 3567.708+/-0.860 χ^2/NDF: 42520160.2/6

- sign 3613.829+/-1.243 χ^2/NDF: 20570555.2/30



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.902+/-0.631 χ^2/NDF:21.3/13

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

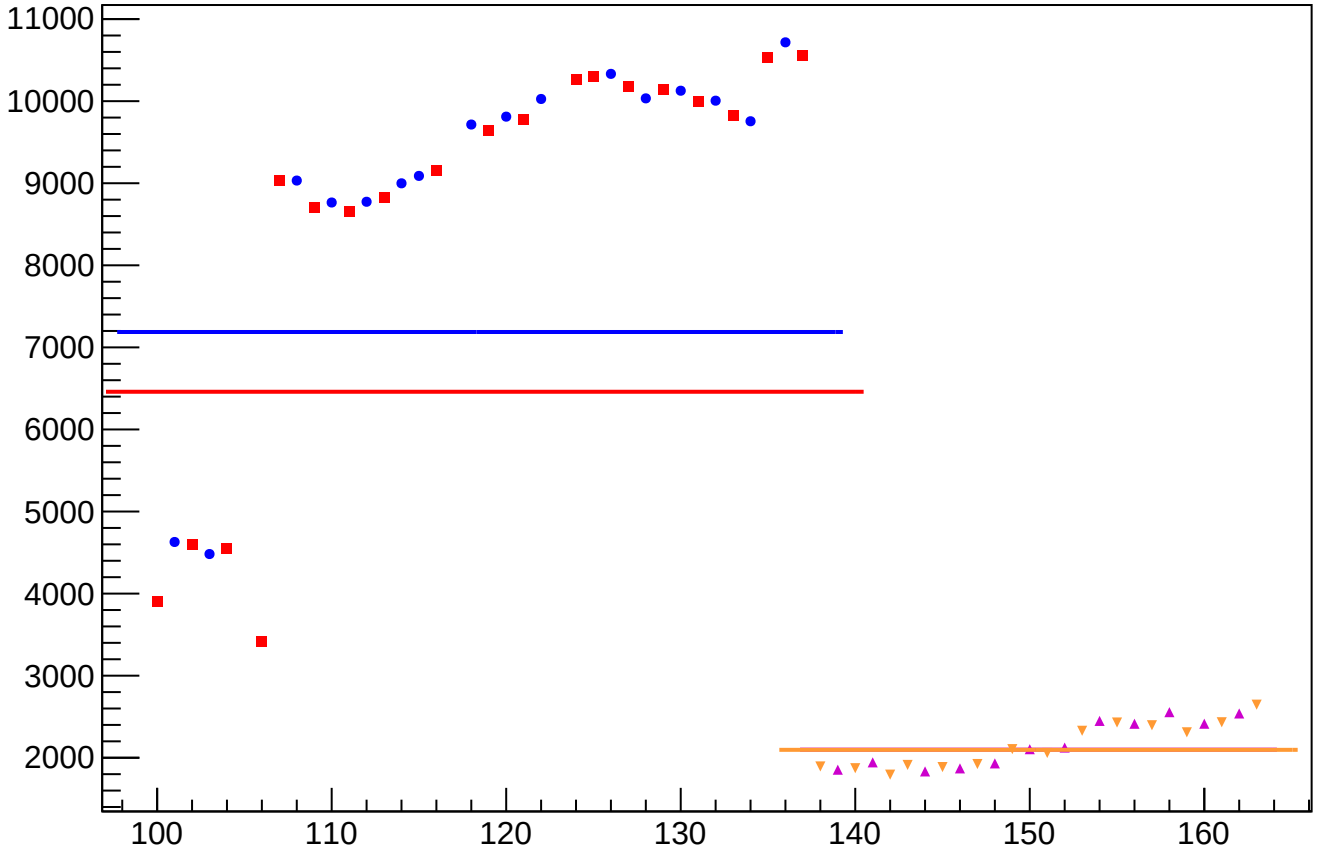
Left In: -3.007+/-0.658 χ^2/NDF:93.4/11

+ sign 9.833+/-0.616 χ^2/NDF: 458.3/29

All: 4.372+/-0.443 χ^2/NDF: 851.8/60

- sign -1.469+/-0.637 χ^2/NDF: 230.7/30

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2096.428+/-0.446 χ^2/NDF:308331.9/13

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

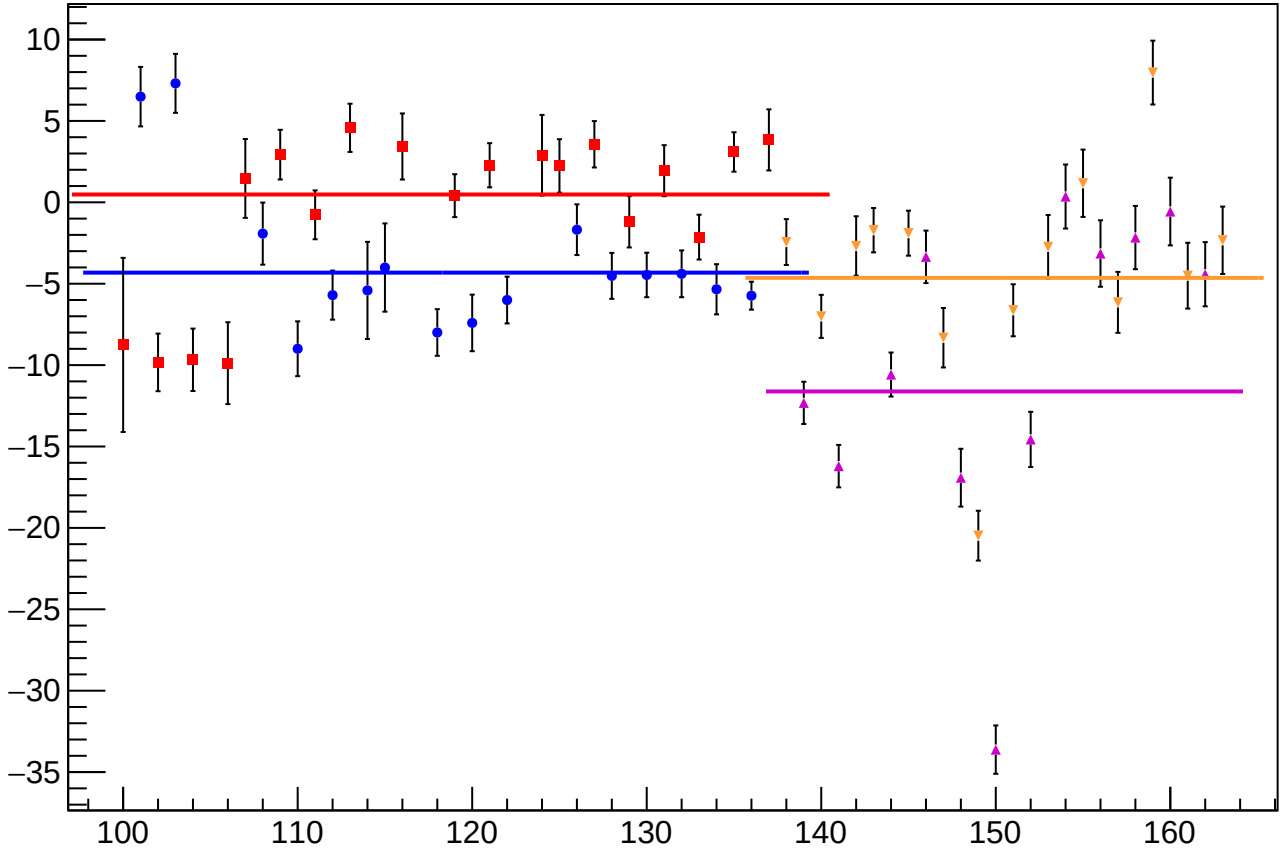
Left In: 2098.595+/-0.465 χ^2/NDF:315093.6/11

+ sign 2335.434+/-0.435 χ^2/NDF: 8131811.2/29

All: 2351.651+/-0.313 χ^2/NDF: 16180854.3/6

- sign 2368.999+/-0.450 χ^2/NDF: 8046171.6/30

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.641+/-0.444 χ^2/NDF:180.0/13

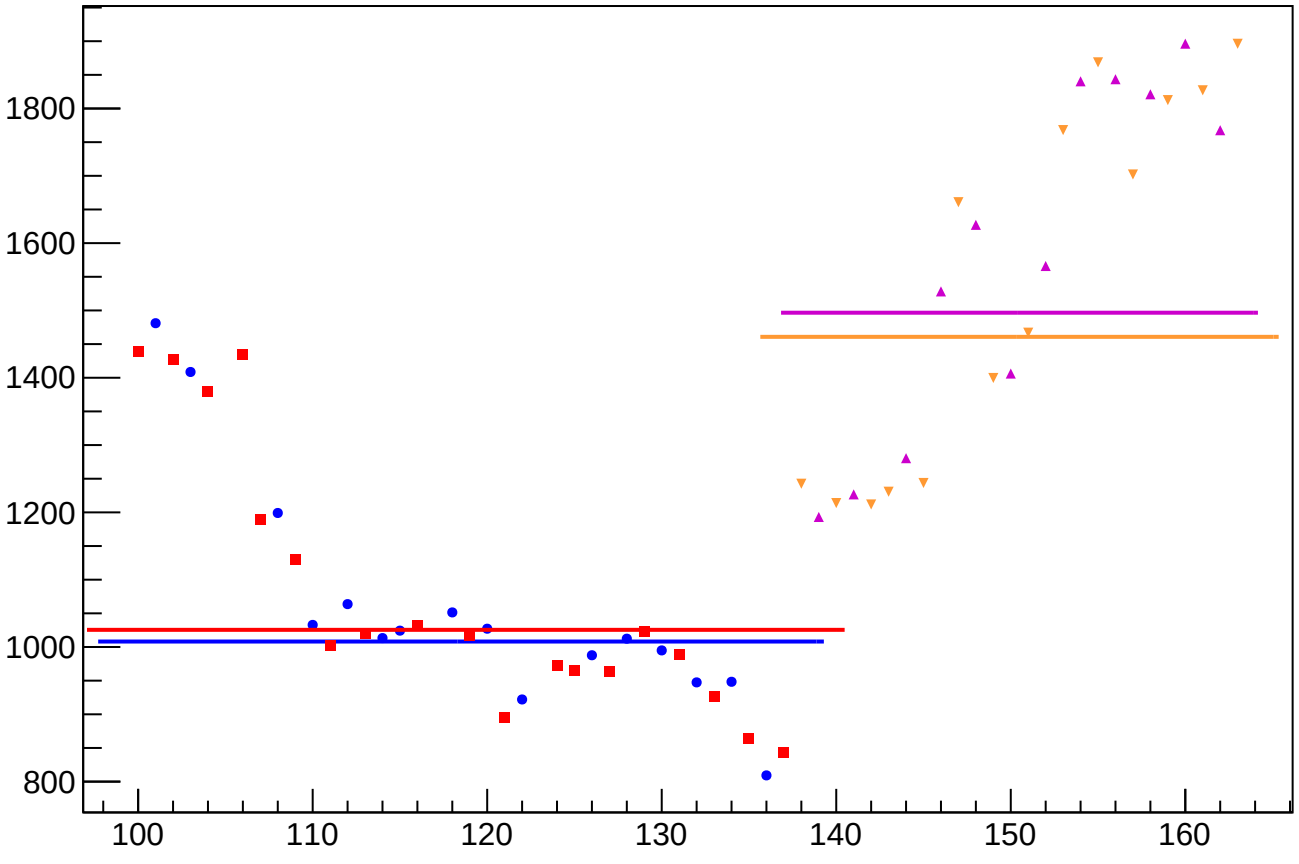
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -11.618+/-0.472 χ^2/NDF:390.4/11

+ sign -4.455+/-0.289 χ^2/NDF: 284.0/29

All: -4.356+/-0.206 χ^2/NDF: 1191.2/60

- sign -4.252+/-0.295 χ^2/NDF: 906.9/30



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1460.783+/-0.314 χ^2/NDF:667106.3/13

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

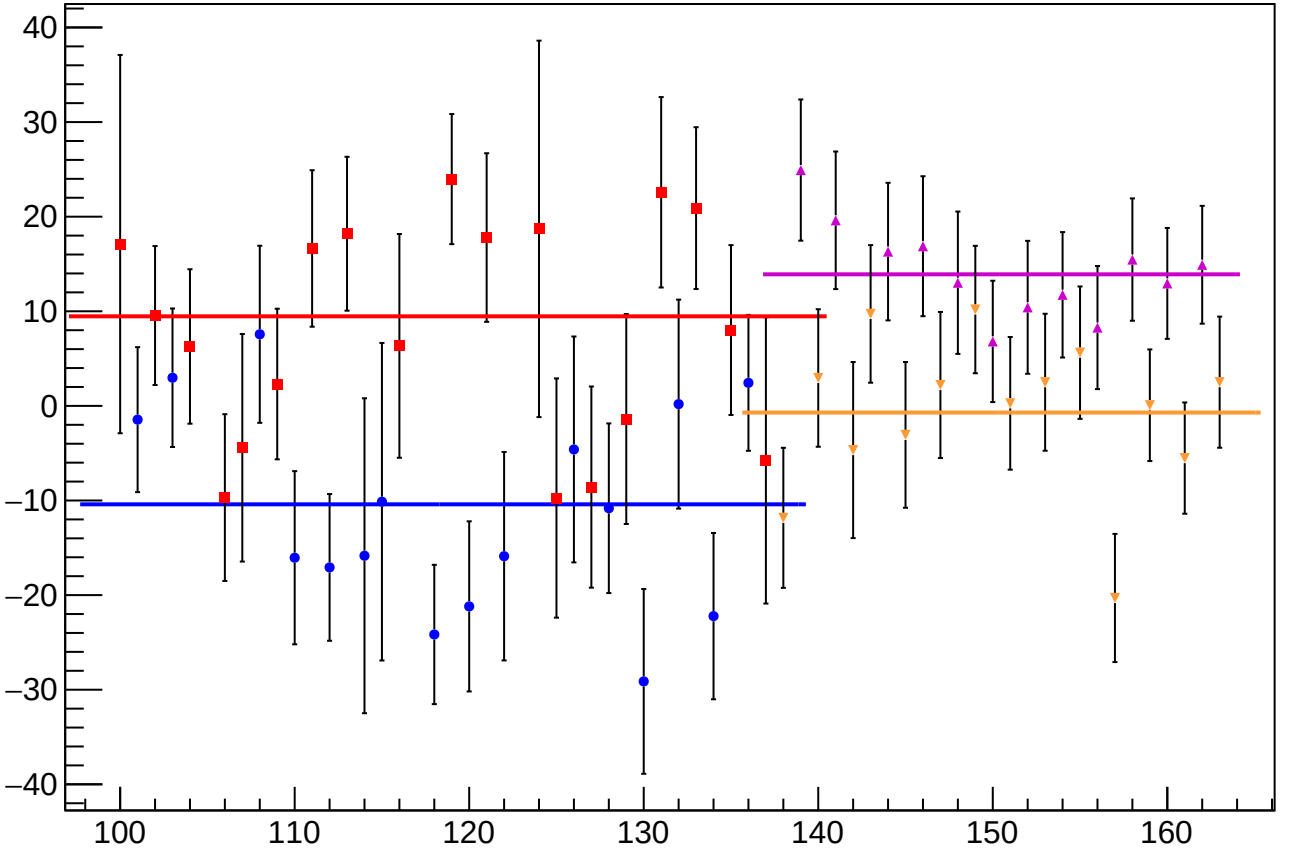
Left In: 1496.632+/-0.334 χ^2/NDF:554598.6/11

+ sign 1199.359+/-0.204 χ^2/NDF: 2246592.5/29

All: 1204.458+/-0.146 χ^2/NDF: 4359773.9/60

- sign 1209.801+/-0.209 χ^2/NDF: 2111902.9/30

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.705+/-1.878 χ^2/NDF:17.9/13

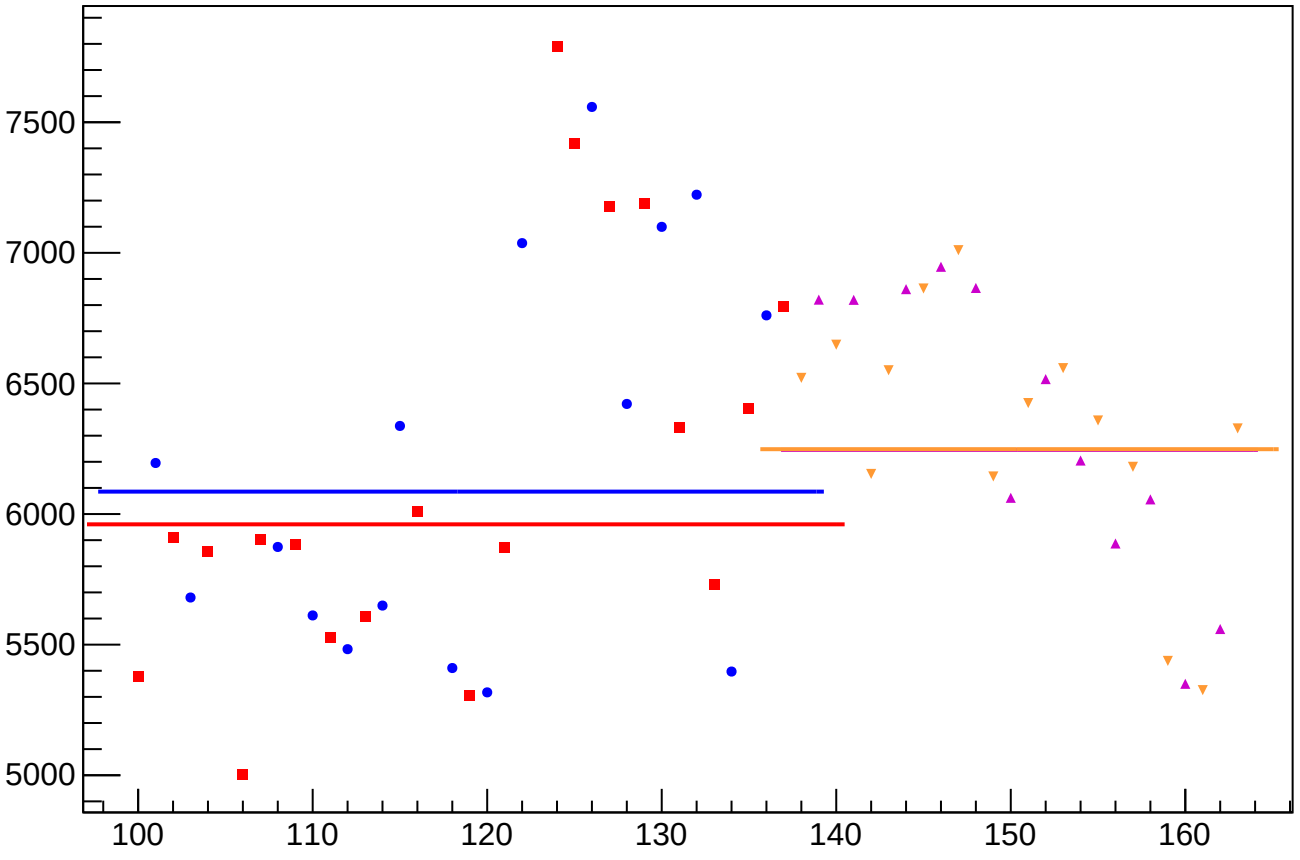
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 13.907+/-1.956 χ^2/NDF:5.5/11

+ sign -4.627+/-1.450 χ^2/NDF: 53.3/29

All: 3.603+/-1.028 χ^2/NDF: 151.3/60

- sign 11.938+/-1.459 χ^2/NDF: 33.2/30



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6248.276+/-1.328 χ^2/NDF:138020.8/13

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

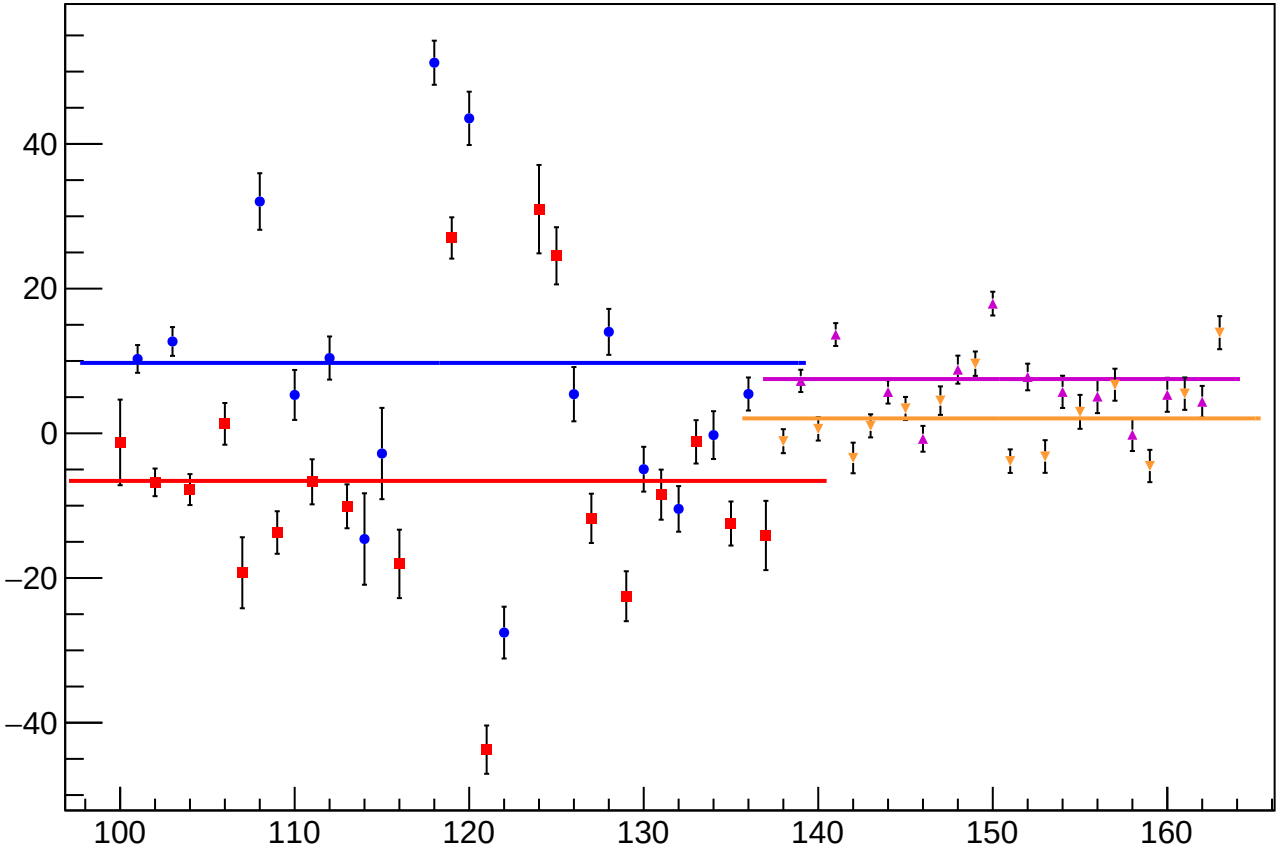
Left In: 6245.512+/-1.383 χ^2/NDF:153619.8/11

+ sign 6182.614+/-1.025 χ^2/NDF: 323184.1/29

All: 6151.096+/-0.727 χ^2/NDF: 660301.8/60

- sign 6119.179+/-1.032 χ^2/NDF: 335215.2/30

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.062+/-0.505 χ^2/NDF:95.0/13

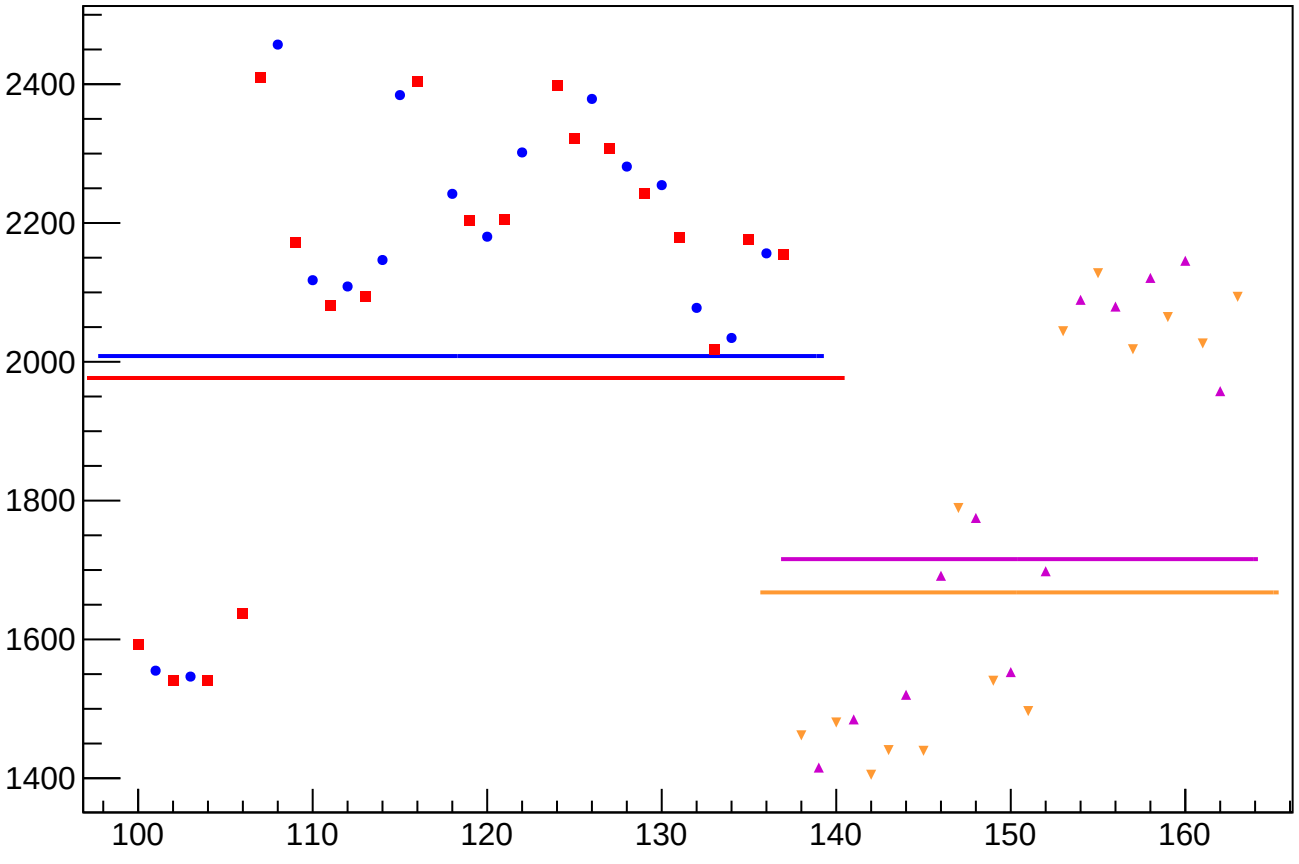
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 7.503+/-0.540 χ^2/NDF:94.8/11

+ sign 4.436+/-0.420 χ^2/NDF: 678.7/29

All: 3.514+/-0.302 χ^2/NDF: 1447.6/60

- sign 2.529+/-0.434 χ^2/NDF: 758.9/30



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1667.740+/-0.357 χ^2/NDF:577663.7/13

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

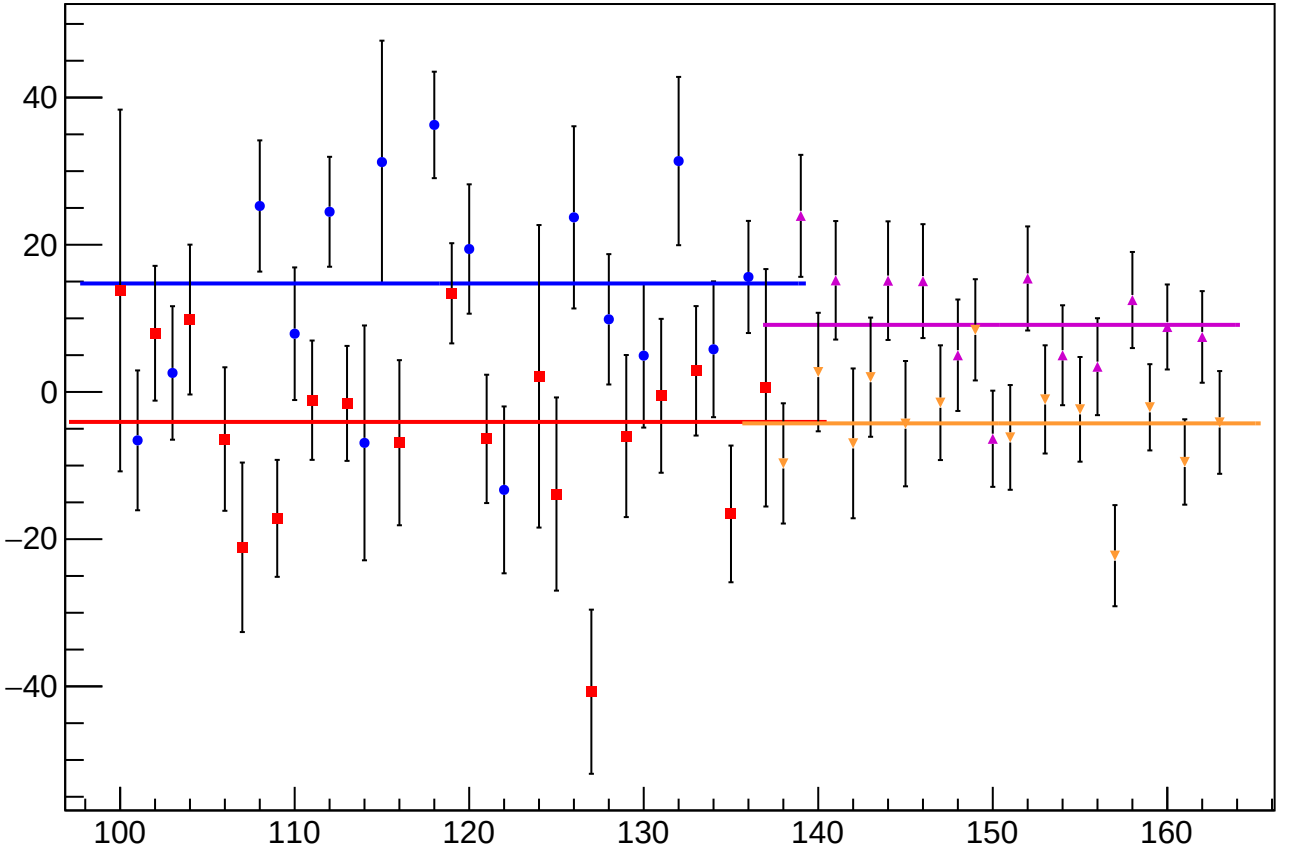
Left In: 1715.684+/-0.382 χ^2/NDF:432523.9/11

+ sign 1773.131+/-0.297 χ^2/NDF: 1203101.2/29

All: 1789.936+/-0.213 χ^2/NDF: 2172804.4/60

- sign 1807.891+/-0.307 χ^2/NDF: 963079.2/30

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.268+/-1.941 χ^2/NDF:13.6/13

Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

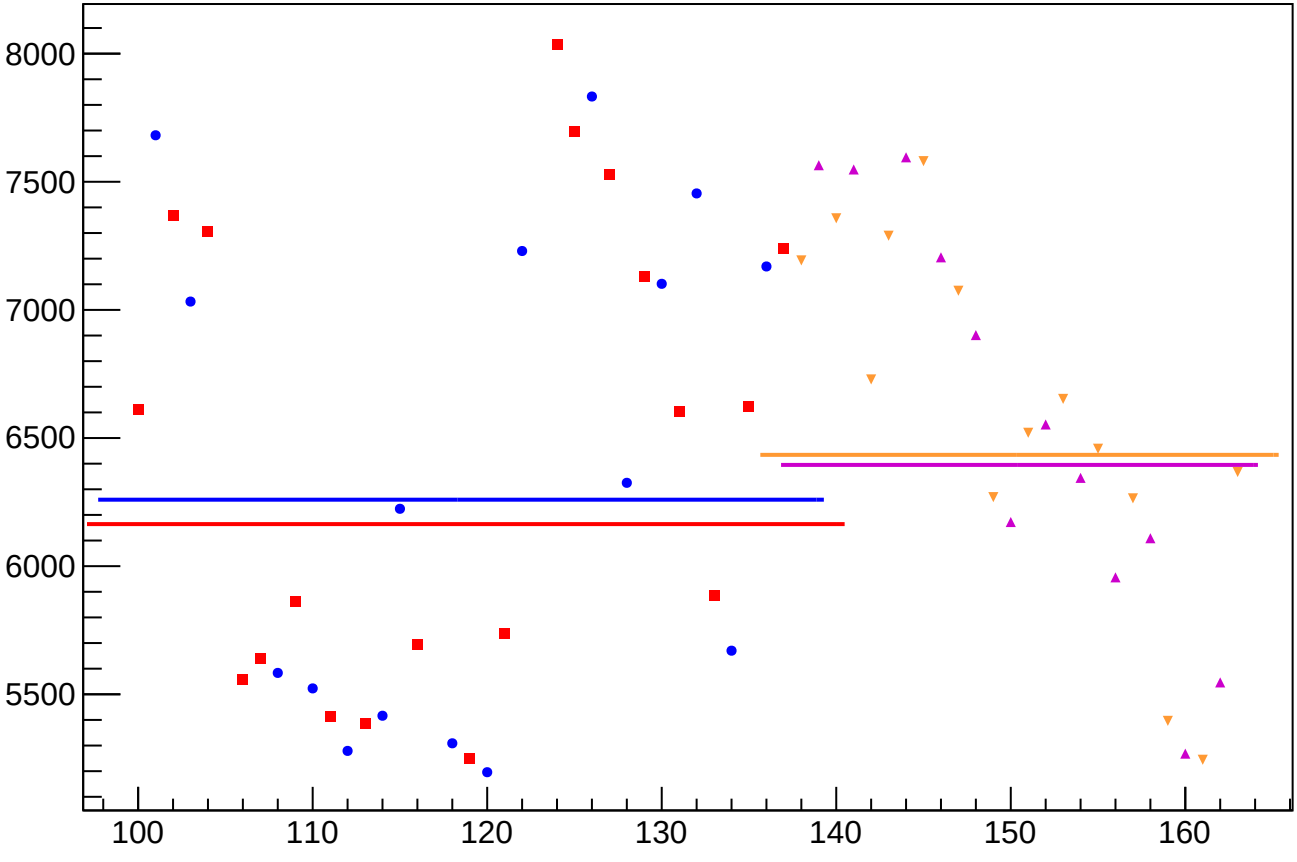
Left In: 9.116+/-2.012 χ^2/NDF:13.1/11

+ sign 3.413+/-1.499 χ^2/NDF: 85.8/29

All: 3.368+/-1.063 χ^2/NDF: 147.9/60

- sign 3.324+/-1.507 χ^2/NDF: 62.1/30

diff_bpm0l06X_rms vs Slug



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6434.391+/-1.373 χ^2/NDF:268820.6/13

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

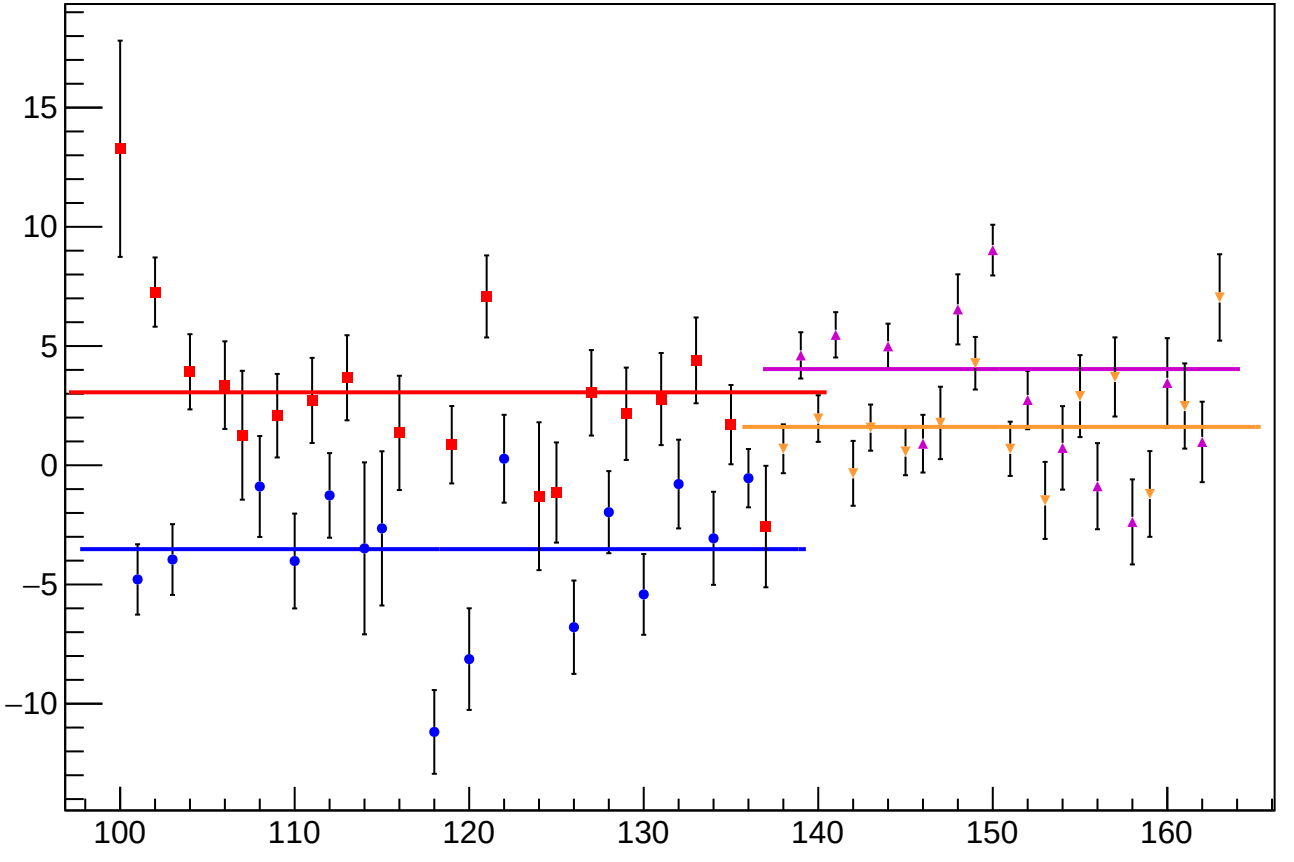
Left In: 6395.123+/-1.423 χ^2/NDF:285545.0/11

+ sign 6363.683+/-1.060 χ^2/NDF: 583991.9/29

All: 6328.867+/-0.751 χ^2/NDF: 1148340.1/60

- sign 6293.672+/-1.066 χ^2/NDF: 562178.0/30

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.609+/-0.340 χ^2/NDF:28.0/13

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

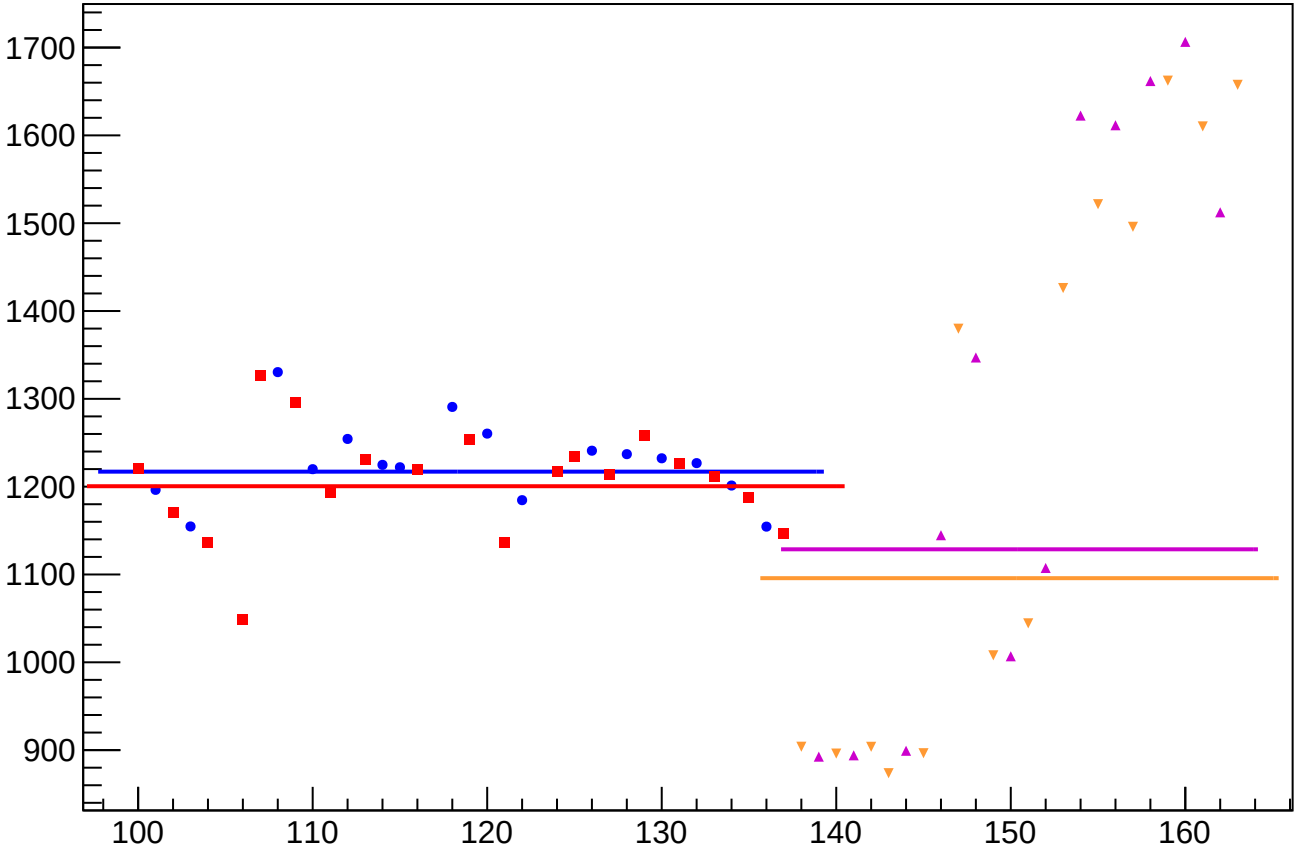
Left In: 4.035+/-0.364 χ^2/NDF:63.6/11

+ sign -0.240+/-0.272 χ^2/NDF: 155.2/29

All: 1.641+/-0.195 χ^2/NDF: 355.4/60

- sign 3.637+/-0.280 χ^2/NDF: 101.4/30

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1095.794+/-0.240 χ^2/NDF:1345248.2/13

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

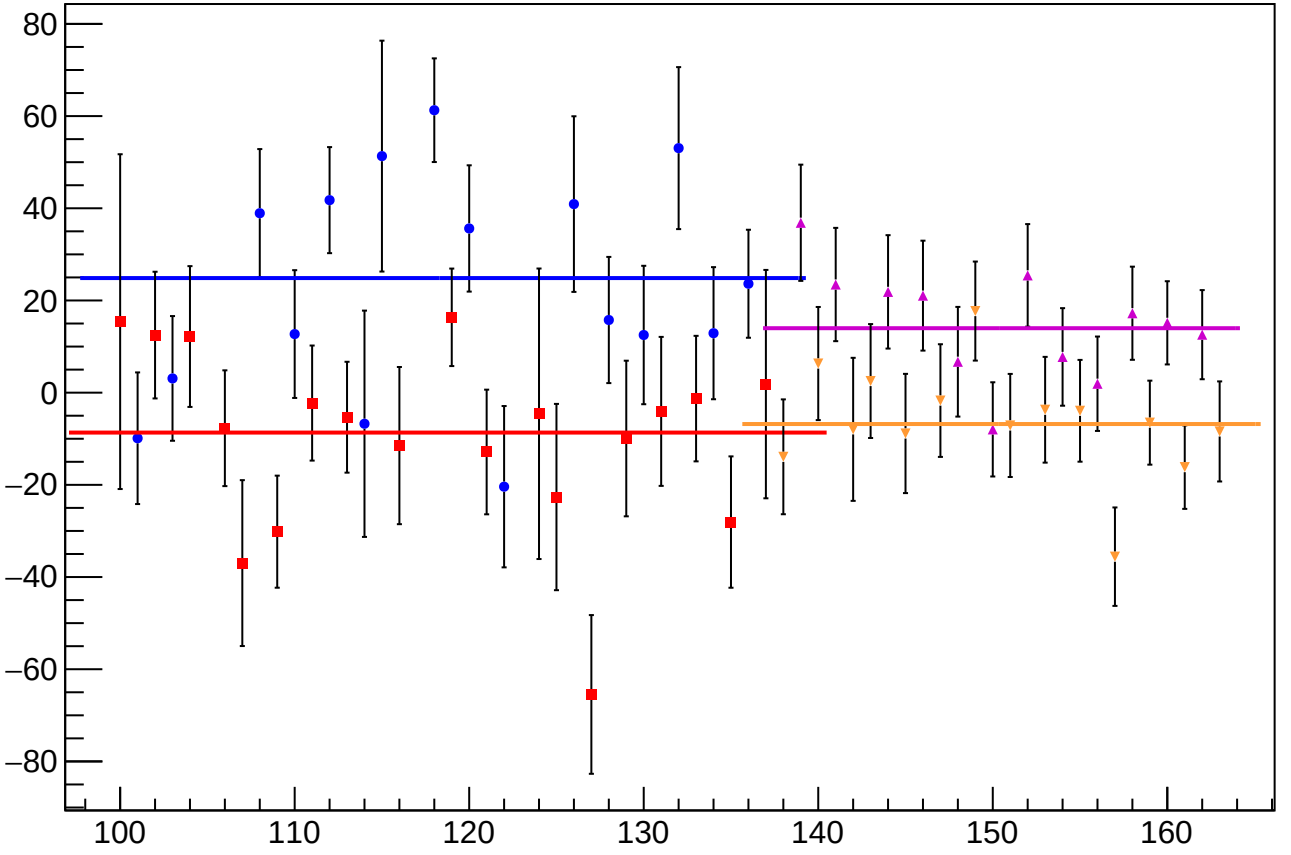
Left In: 1128.661+/-0.257 χ^2/NDF:1202678.4/11

+ sign 1139.542+/-0.192 χ^2/NDF: 1458856.5/29

All: 1148.473+/-0.138 χ^2/NDF: 2735456.6/60

- sign 1157.950+/-0.198 χ^2/NDF: 1272146.3/30

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.805+/-3.009 χ^2/NDF:15.9/13

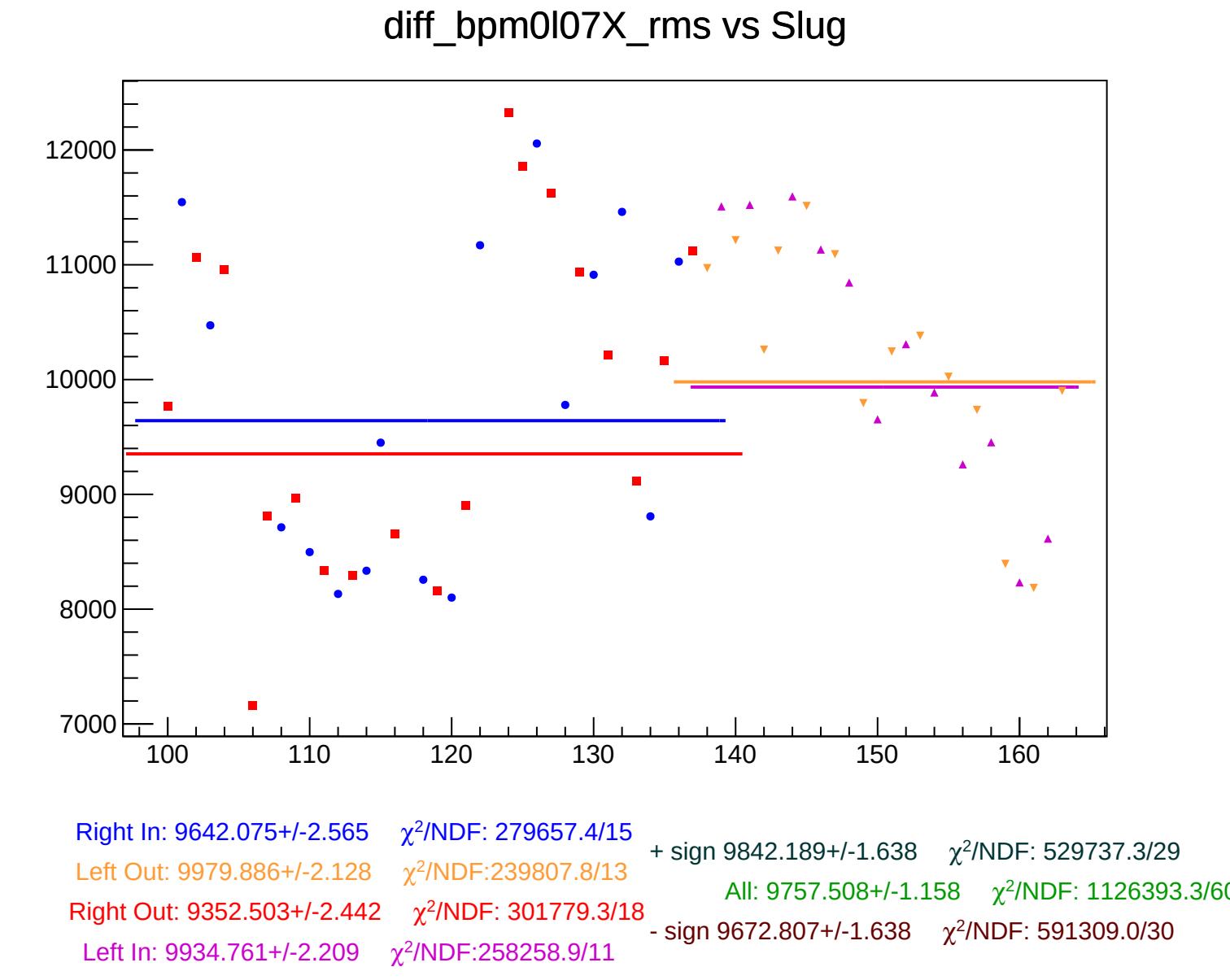
Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: 13.984+/-3.123 χ^2/NDF:12.6/11

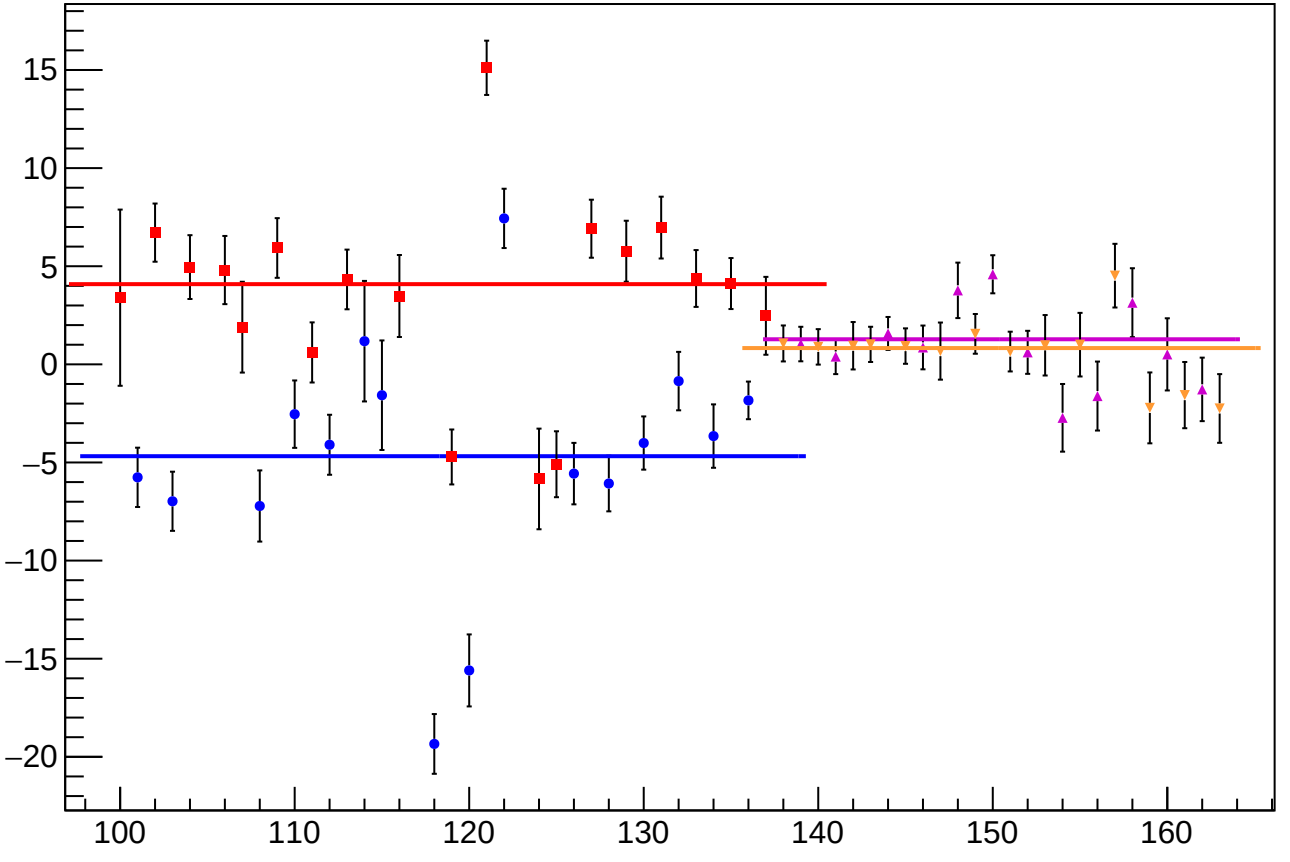
+ sign 6.102+/-2.316 χ^2/NDF: 99.2/29

All: 4.950+/-1.638 χ^2/NDF: 166.1/60

- sign 3.797+/-2.317 χ^2/NDF: 66.3/30


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9979.886+/-2.128 χ²/NDF:239807.8/13
Right Out: 9352.503+/-2.442 χ²/NDF: 301779.3/18
Left In: 9934.761+/-2.209 χ²/NDF:258258.9/11
+ sign 9842.189+/-1.638 χ²/NDF: 529737.3/29
All: 9757.508+/-1.158 χ²/NDF: 1126393.3/60
- sign 9672.807+/-1.638 χ²/NDF: 591309.0/30

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.830+/-0.314 χ^2/NDF:13.8/13

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

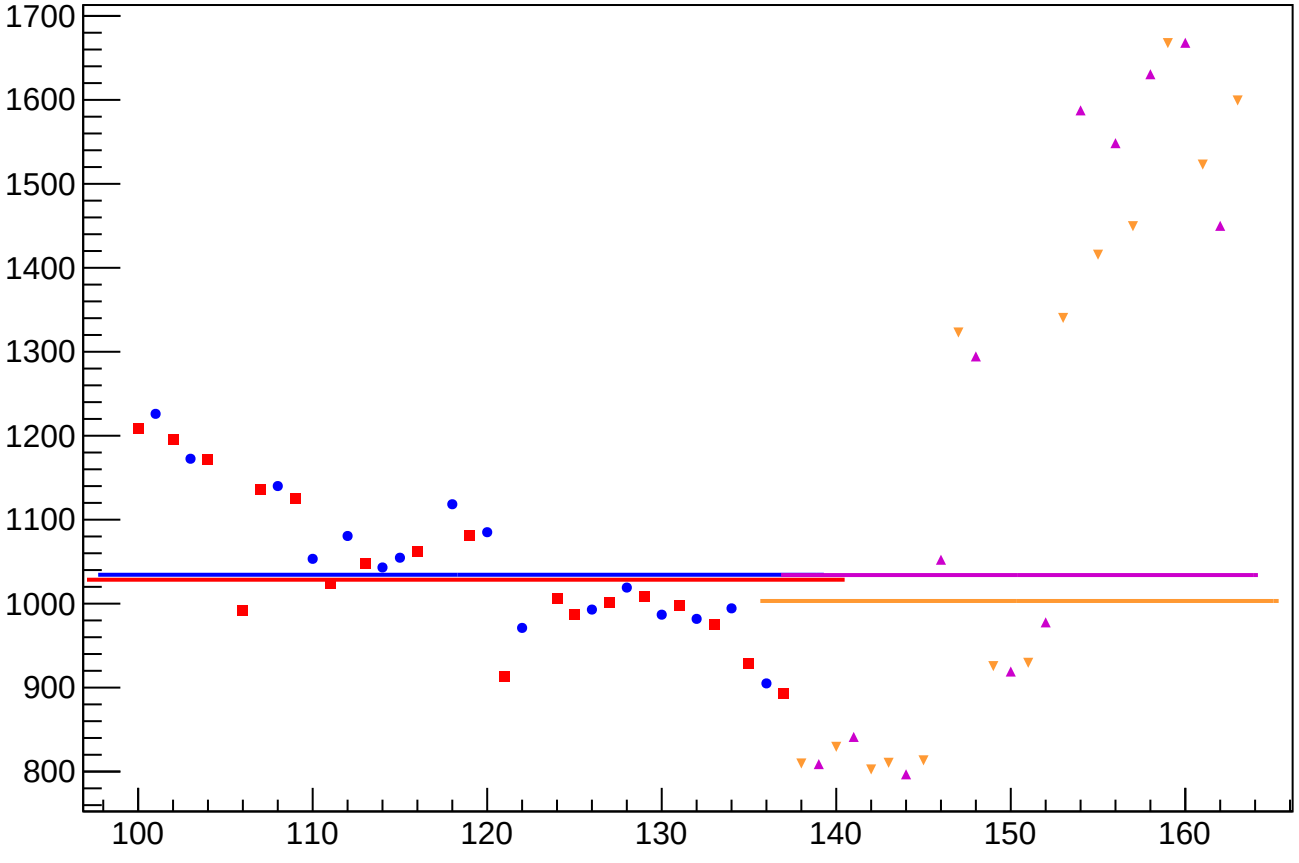
Left In: 1.278+/-0.337 χ^2/NDF:28.3/11

+ sign -1.364+/-0.243 χ^2/NDF: 357.8/29

All: 0.522+/-0.175 χ^2/NDF: 709.0/60

- sign 2.526+/-0.251 χ^2/NDF: 227.3/30

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1003.178+/-0.222 χ^2/NDF:1587021.3/13

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

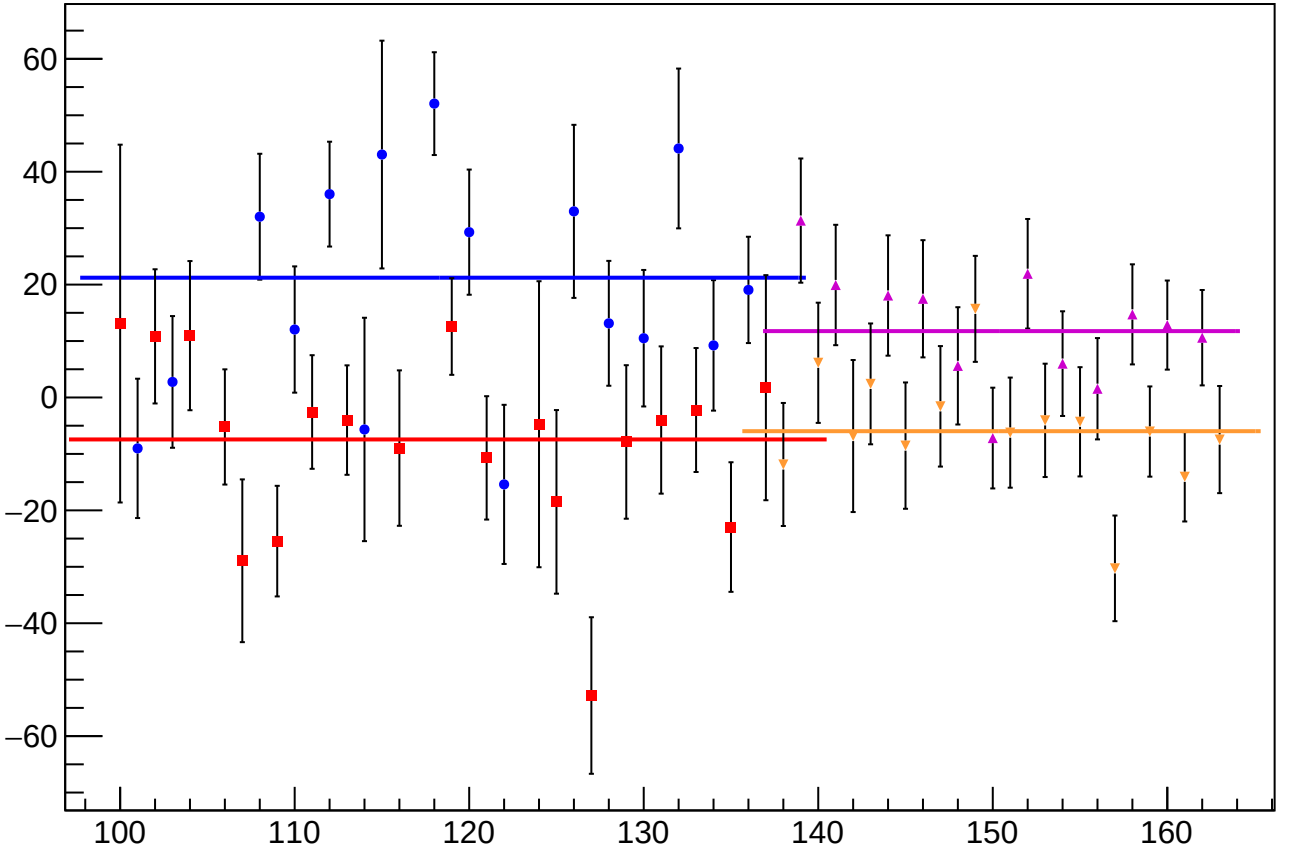
Left In: 1034.051+/-0.238 χ^2/NDF:1463813.0/11

+ sign 1015.609+/-0.172 χ^2/NDF: 1708185.9/29

All: 1023.353+/-0.124 χ^2/NDF: 3278041.2/60

- sign 1031.584+/-0.177 χ^2/NDF: 1565679.3/30

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.973+/-2.628 χ^2/NDF:15.6/13

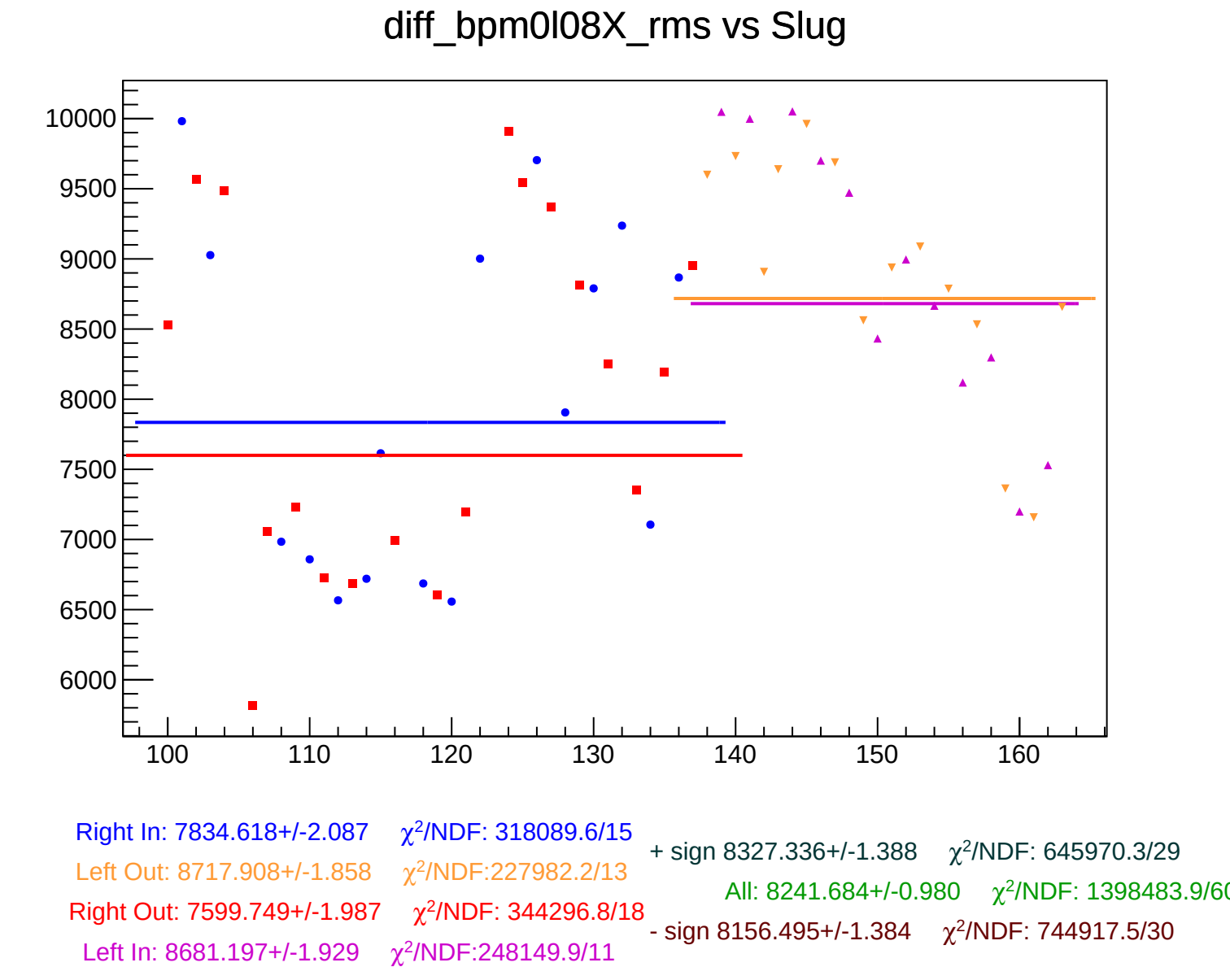
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 11.759+/-2.728 χ^2/NDF:12.2/11

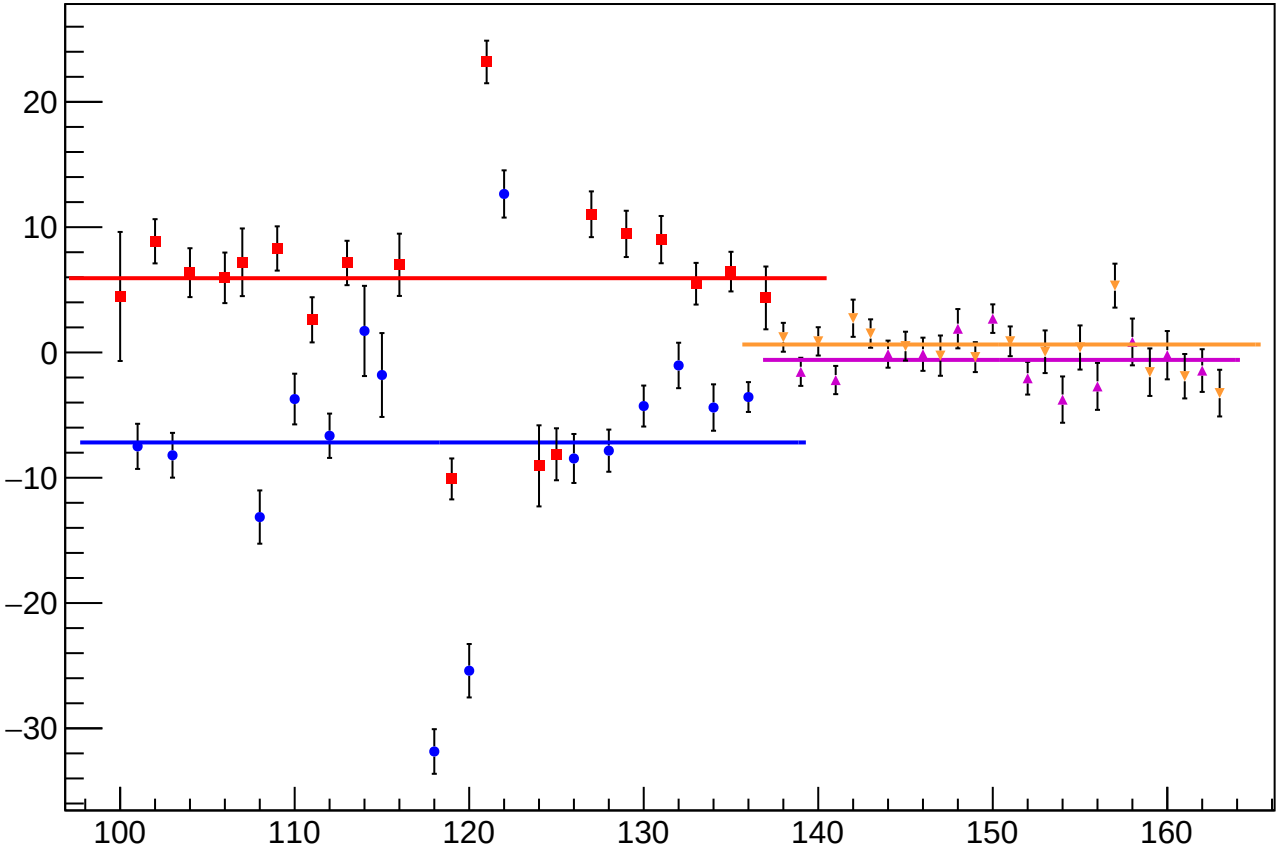
+ sign 6.052+/-1.963 χ^2/NDF: 103.1/29

All: 4.244+/-1.386 χ^2/NDF: 170.8/60

- sign 2.446+/-1.958 χ^2/NDF: 66.0/30


diff_bpm0l08X_rms vs Slug
10000
9500
9000
8500
8000
7500
7000
6500
6000
100
110
120
130
140
150
160
Right In: 7834.618+/-2.087 χ²/NDF: 318089.6/15
Left Out: 8717.908+/-1.858 χ²/NDF:227982.2/13
Right Out: 7599.749+/-1.987 χ²/NDF: 344296.8/18
Left In: 8681.197+/-1.929 χ²/NDF:248149.9/11
+ sign 8327.336+/-1.388 χ²/NDF: 645970.3/29
All: 8241.684+/-0.980 χ²/NDF: 1398483.9/60
- sign 8156.495+/-1.384 χ²/NDF: 744917.5/30

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.636+/-0.373 χ^2/NDF:19.0/13

Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

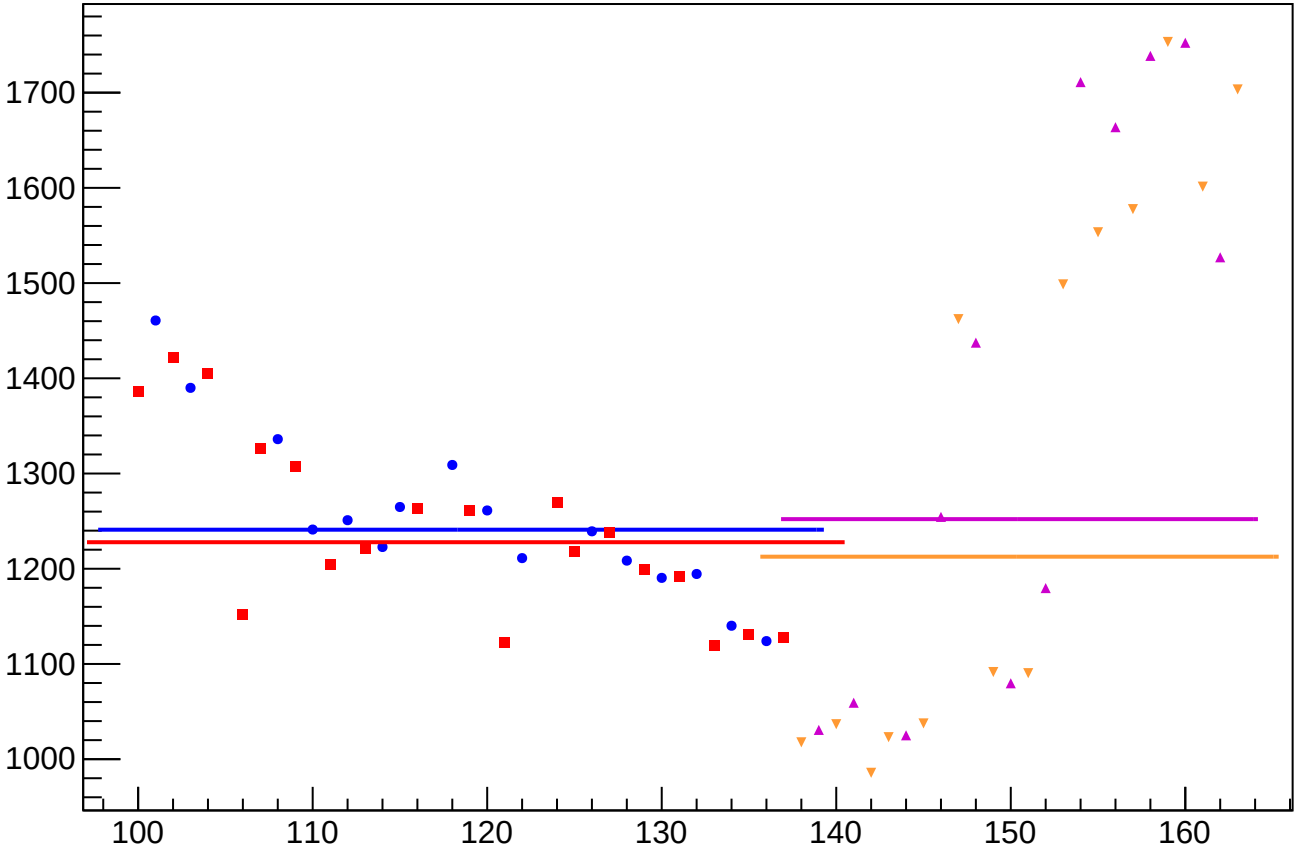
Left In: -0.593+/-0.400 χ^2/NDF:20.3/11

+ sign -2.444+/-0.290 χ^2/NDF: 614.6/29

All: -0.145+/-0.208 χ^2/NDF: 1172.0/60

- sign 2.291+/-0.299 χ^2/NDF: 428.2/30

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1212.666+/-0.264 χ^2/NDF:959796.5/13

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

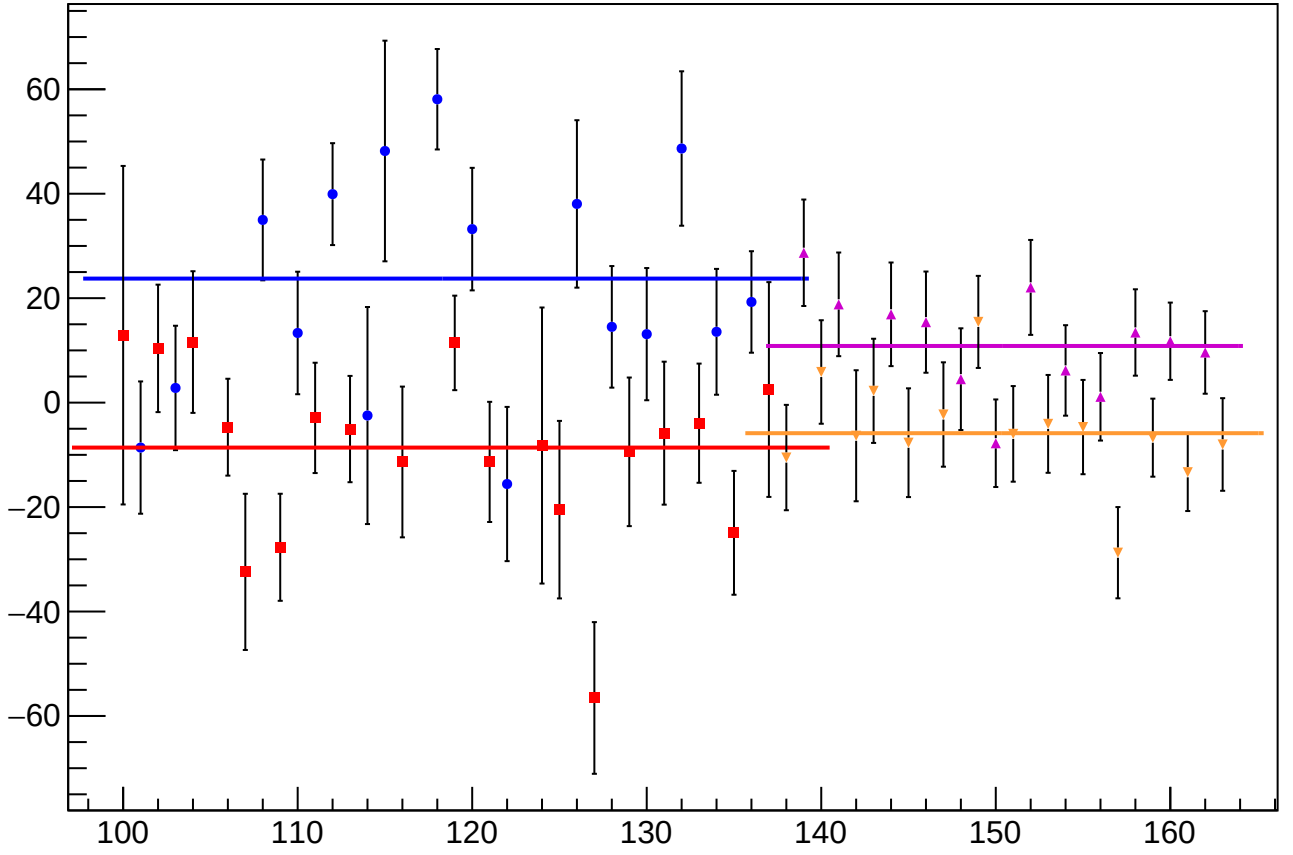
Left In: 1252.103+/-0.283 χ^2/NDF:846877.8/11

+ sign 1223.832+/-0.205 χ^2/NDF: 1045004.3/29

All: 1232.353+/-0.147 χ^2/NDF: 1981021.0/60

- sign 1241.382+/-0.211 χ^2/NDF: 932465.2/30

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.853+/-2.454 χ^2/NDF:16.3/13

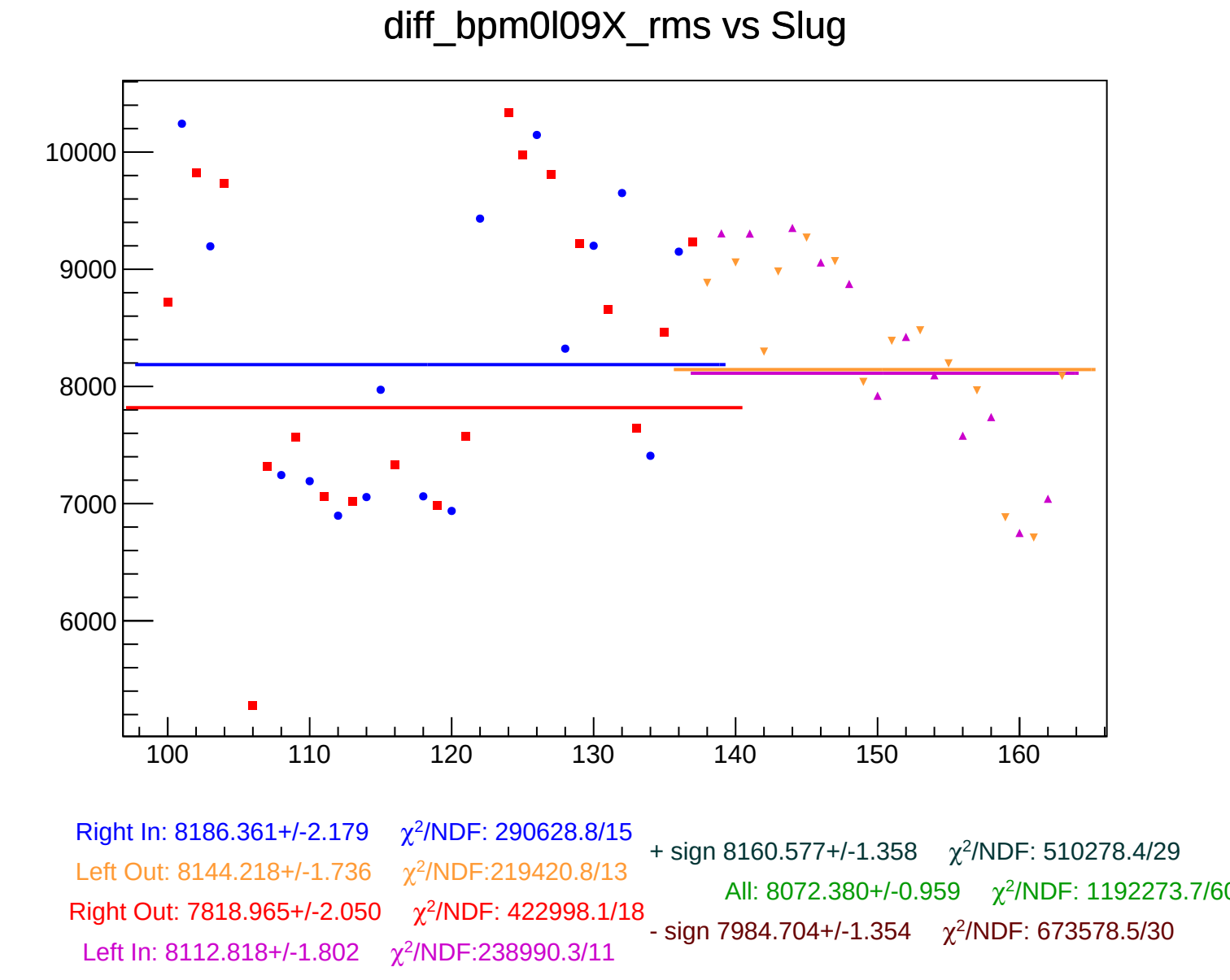
Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: 10.849+/-2.549 χ^2/NDF:13.0/11

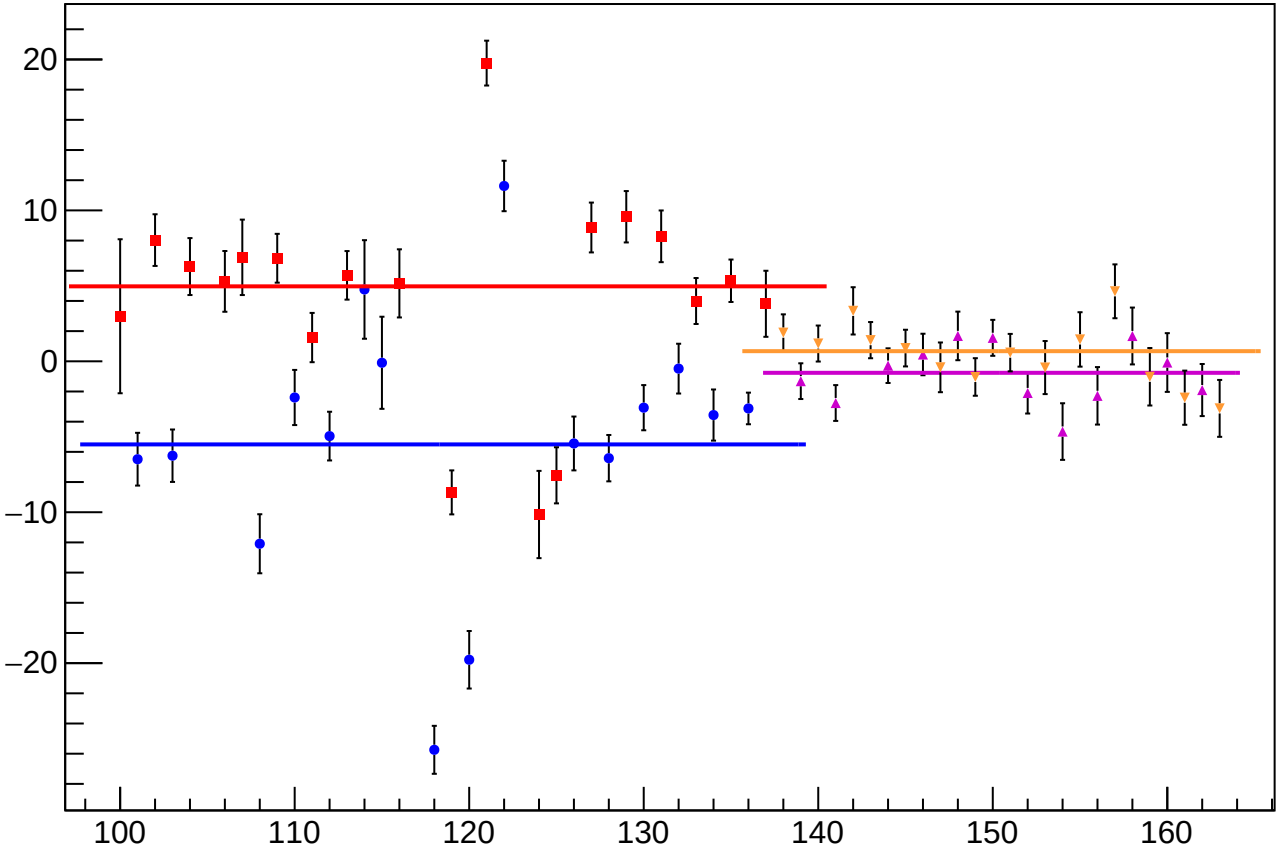
+ sign 5.638+/-1.920 χ^2/NDF: 116.2/29

All: 3.997+/-1.356 χ^2/NDF: 186.5/60

- sign 2.366+/-1.914 χ^2/NDF: 68.8/30


diff_bpm0l09X_rms vs Slug
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8144.218+/-1.736 χ²/NDF:219420.8/13
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8112.818+/-1.802 χ²/NDF:238990.3/11
+ sign 8160.577+/-1.358 χ²/NDF: 510278.4/29
All: 8072.380+/-0.959 χ²/NDF: 1192273.7/60
- sign 7984.704+/-1.354 χ²/NDF: 673578.5/30

diff_bpm0l09Y_mean vs Slug



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.672+/-0.388 χ^2/NDF:20.1/13

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

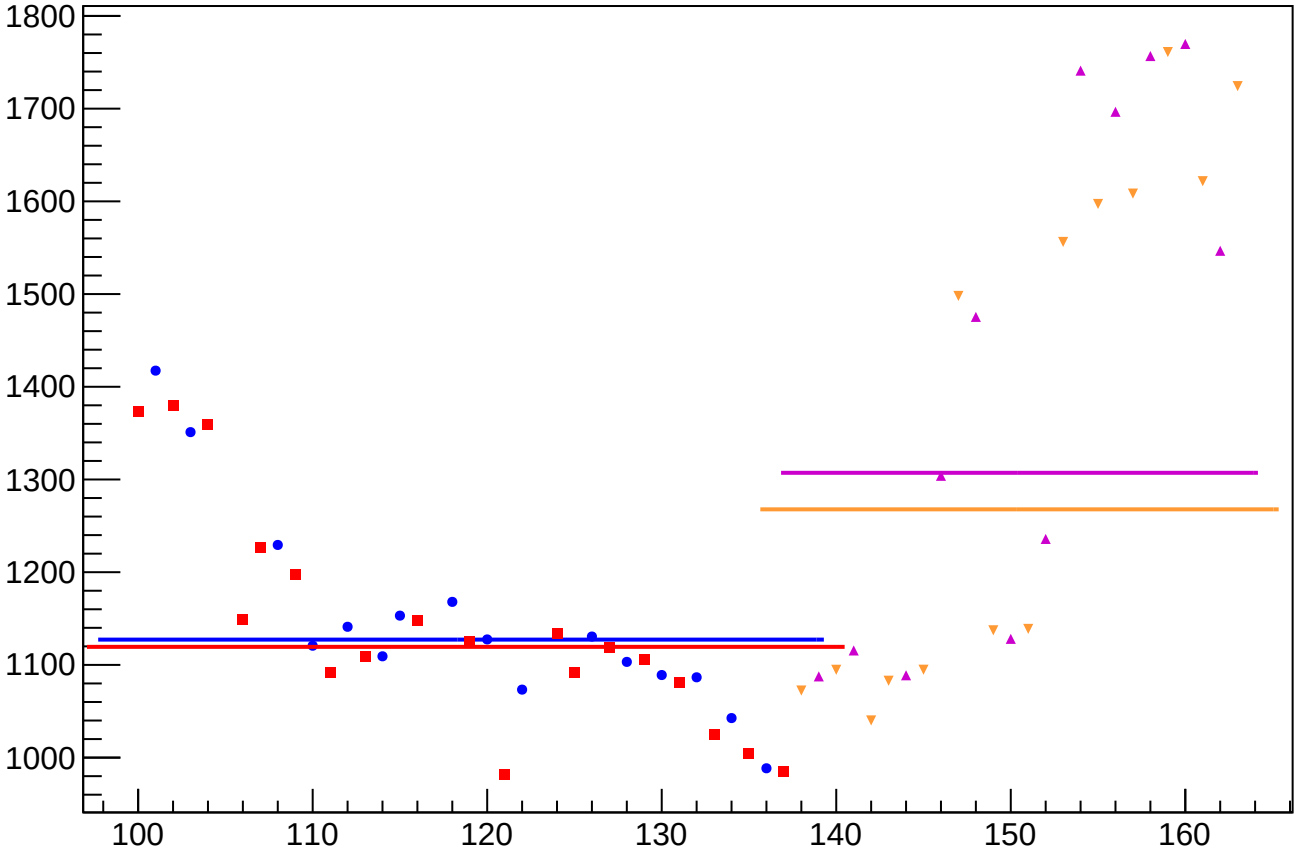
Left In: -0.762+/-0.416 χ^2/NDF:18.3/11

+ sign -2.168+/-0.285 χ^2/NDF: 506.4/29

All: -0.064+/-0.204 χ^2/NDF: 1019.4/60

- sign 2.141+/-0.292 χ^2/NDF: 401.7/30

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1267.792+/-0.274 χ^2/NDF:829356.9/13

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

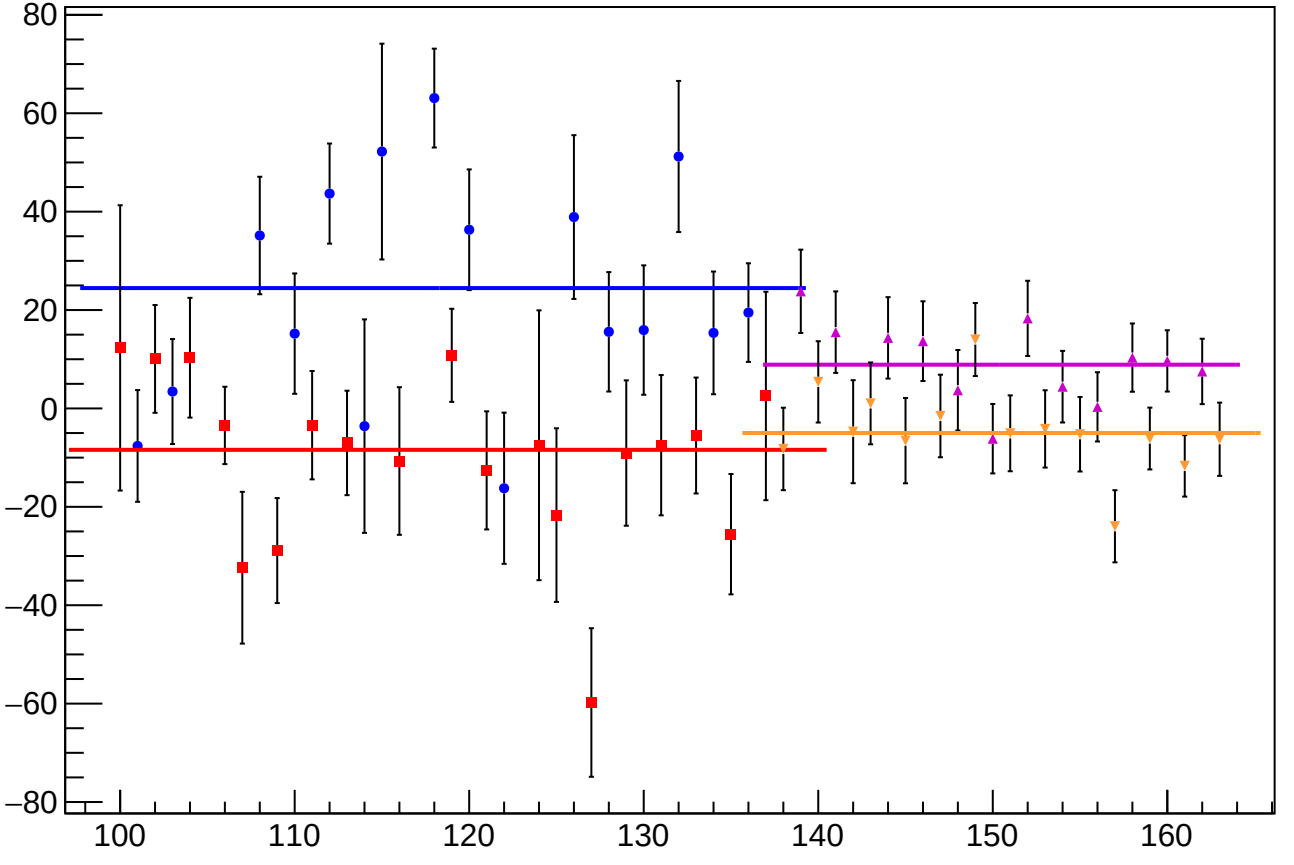
Left In: 1307.204+/-0.294 χ^2/NDF:721853.2/11

+ sign 1203.215+/-0.202 χ^2/NDF: 1090419.0/29

All: 1207.544+/-0.144 χ^2/NDF: 2160454.7/60

- sign 1212.081+/-0.207 χ^2/NDF: 1069092.7/30

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.987+/-2.058 χ^2/NDF:16.9/13

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

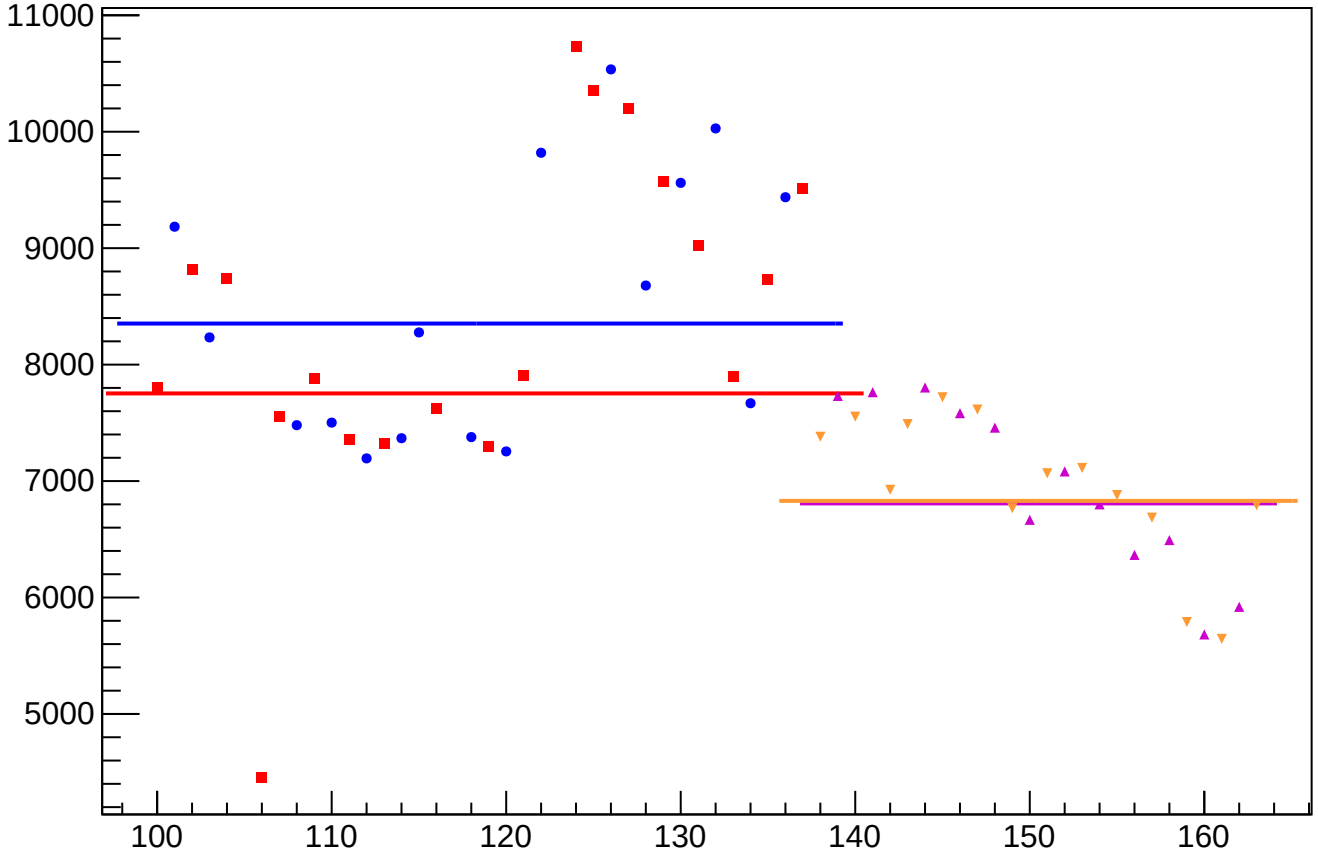
Left In: 8.890+/-2.138 χ^2/NDF:13.0/11

+ sign 3.876+/-1.720 χ^2/NDF: 126.9/29

All: 3.324+/-1.216 χ^2/NDF: 194.3/60

- sign 2.772+/-1.719 χ^2/NDF: 67.2/30

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6829.962+/-1.455 χ^2/NDF:207613.5/13

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

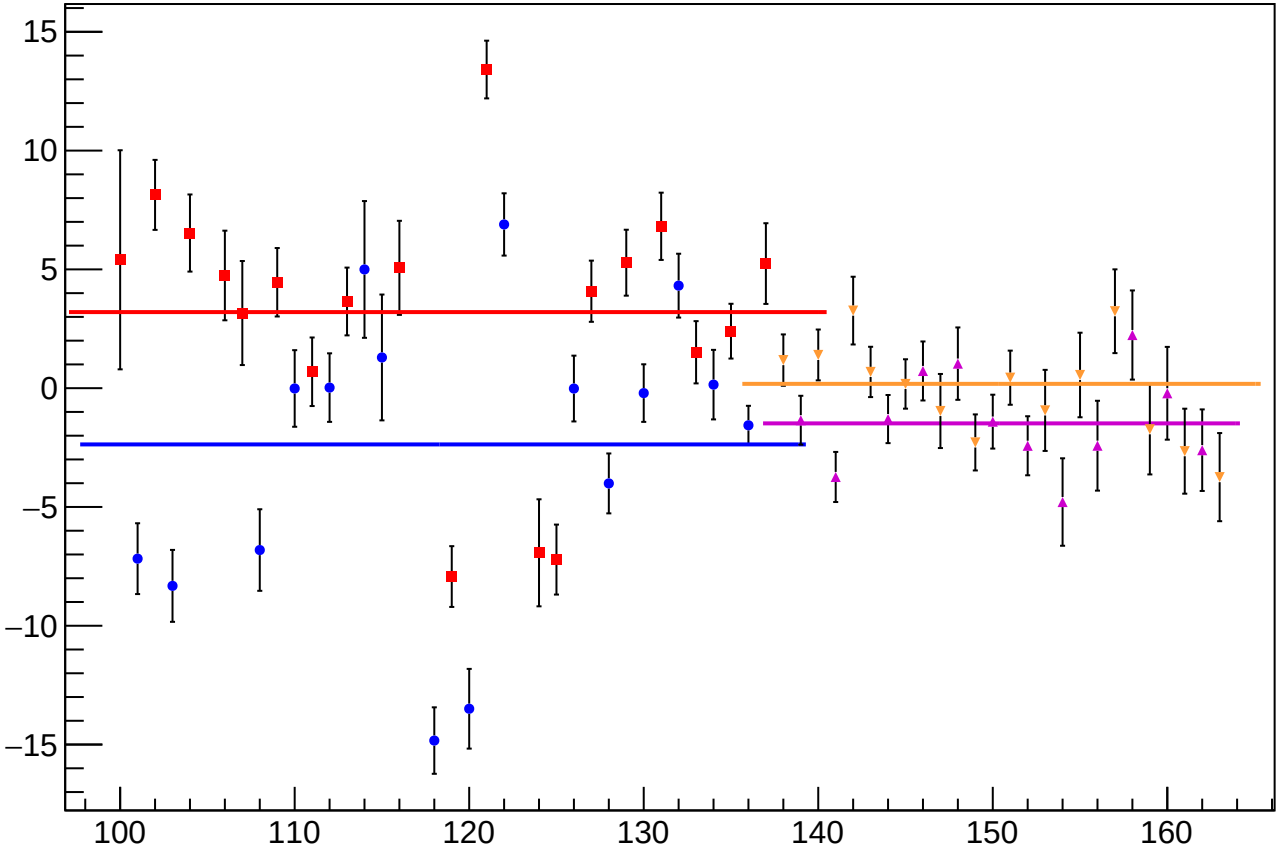
Left In: 6808.169+/-1.512 χ^2/NDF:226626.7/11

+ sign 7288.237+/-1.217 χ^2/NDF: 757661.4/29

All: 7215.116+/-0.860 χ^2/NDF: 1717579.9/60

- sign 7142.117+/-1.216 χ^2/NDF: 952699.1/30

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.182+/-0.358 χ^2/NDF:23.5/13

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

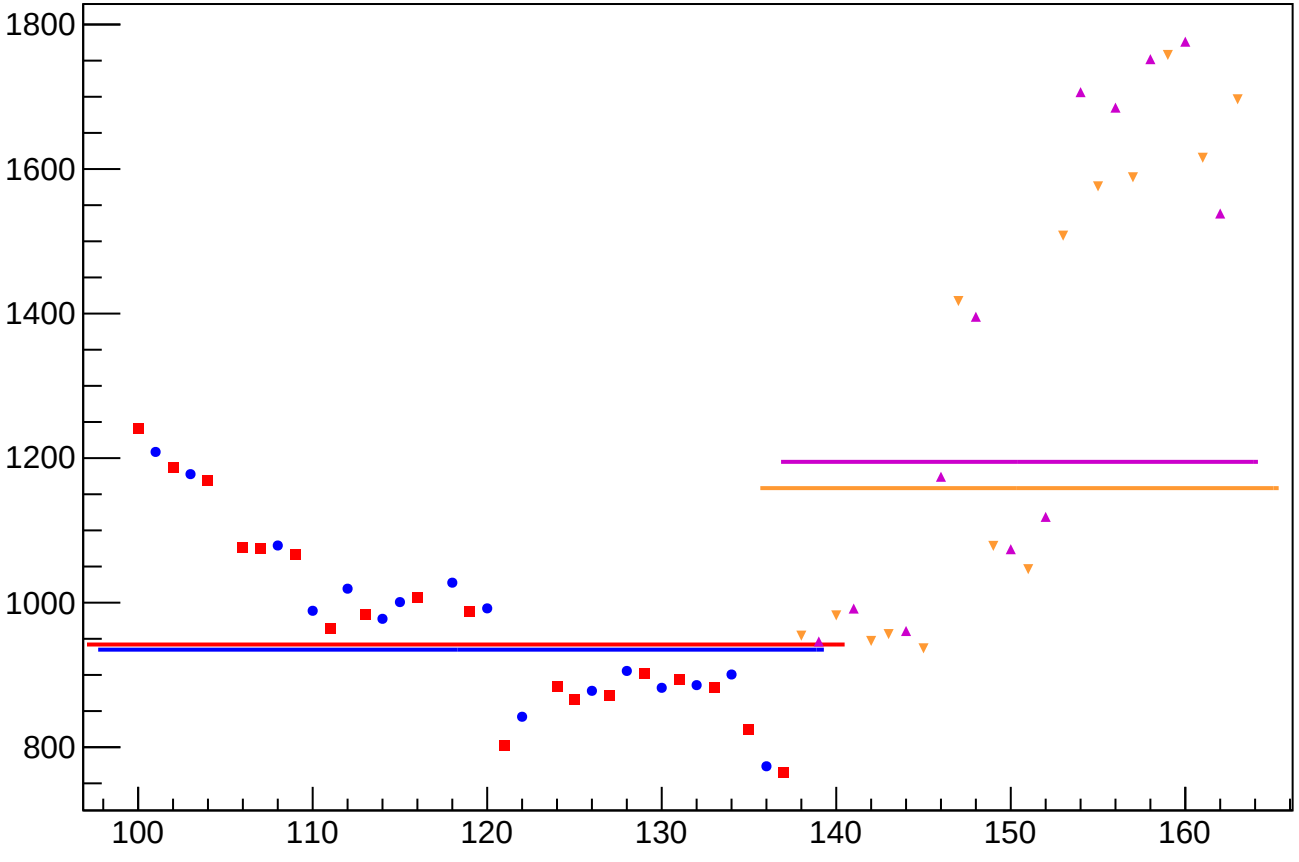
Left In: -1.482+/-0.384 χ^2/NDF:19.3/11

+ sign -1.120+/-0.250 χ^2/NDF: 304.9/29

All: -0.039+/-0.179 χ^2/NDF: 695.2/60

- sign 1.101+/-0.257 χ^2/NDF: 351.9/30

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1158.487+/-0.253 χ^2/NDF:1227364.2/13

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

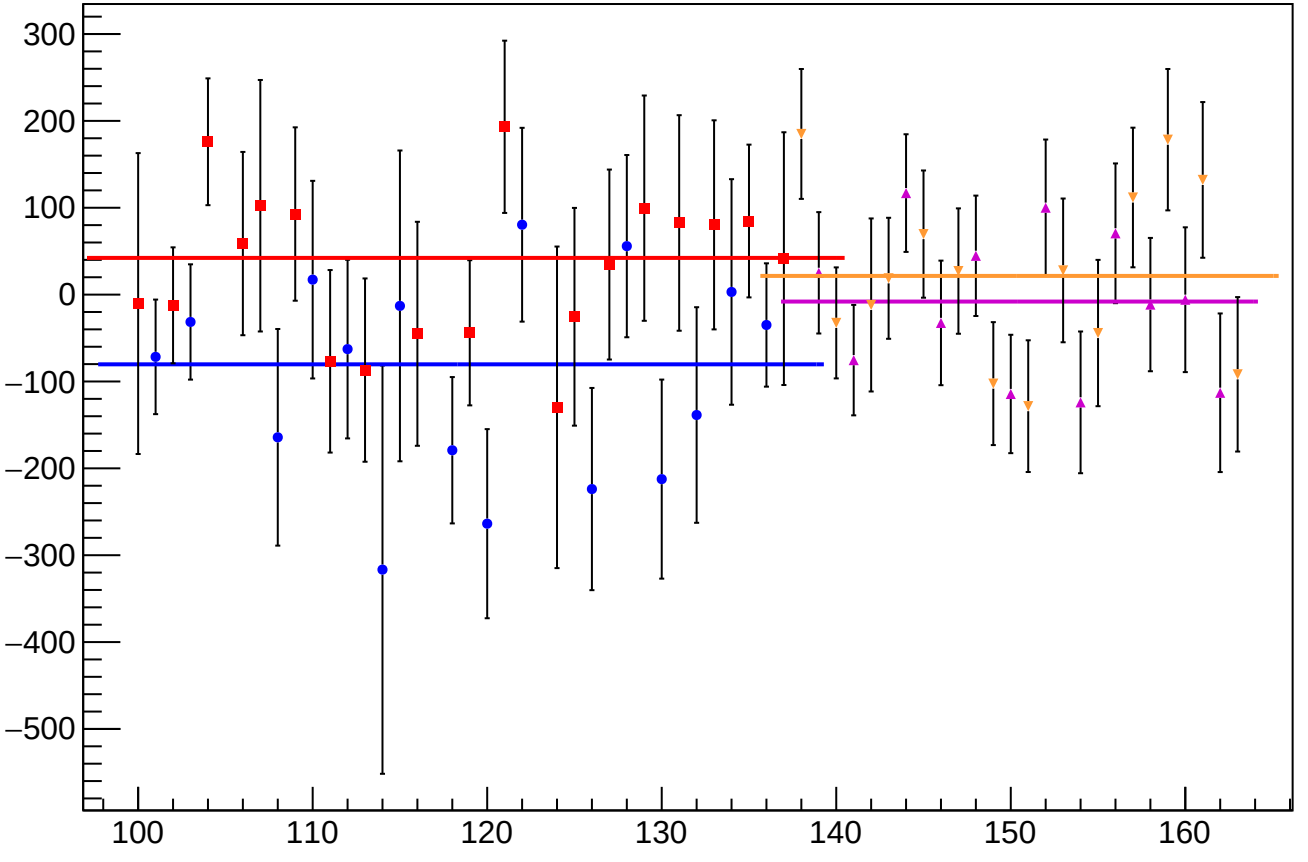
Left In: 1194.849+/-0.271 χ^2/NDF:1085738.6/11

+ sign 1044.325+/-0.177 χ^2/NDF: 1879741.9/29

All: 1049.766+/-0.127 χ^2/NDF: 3677718.0/60

- sign 1055.502+/-0.182 χ^2/NDF: 1796037.7/30

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 21.531+/-20.732 χ^2/NDF:21.8/13

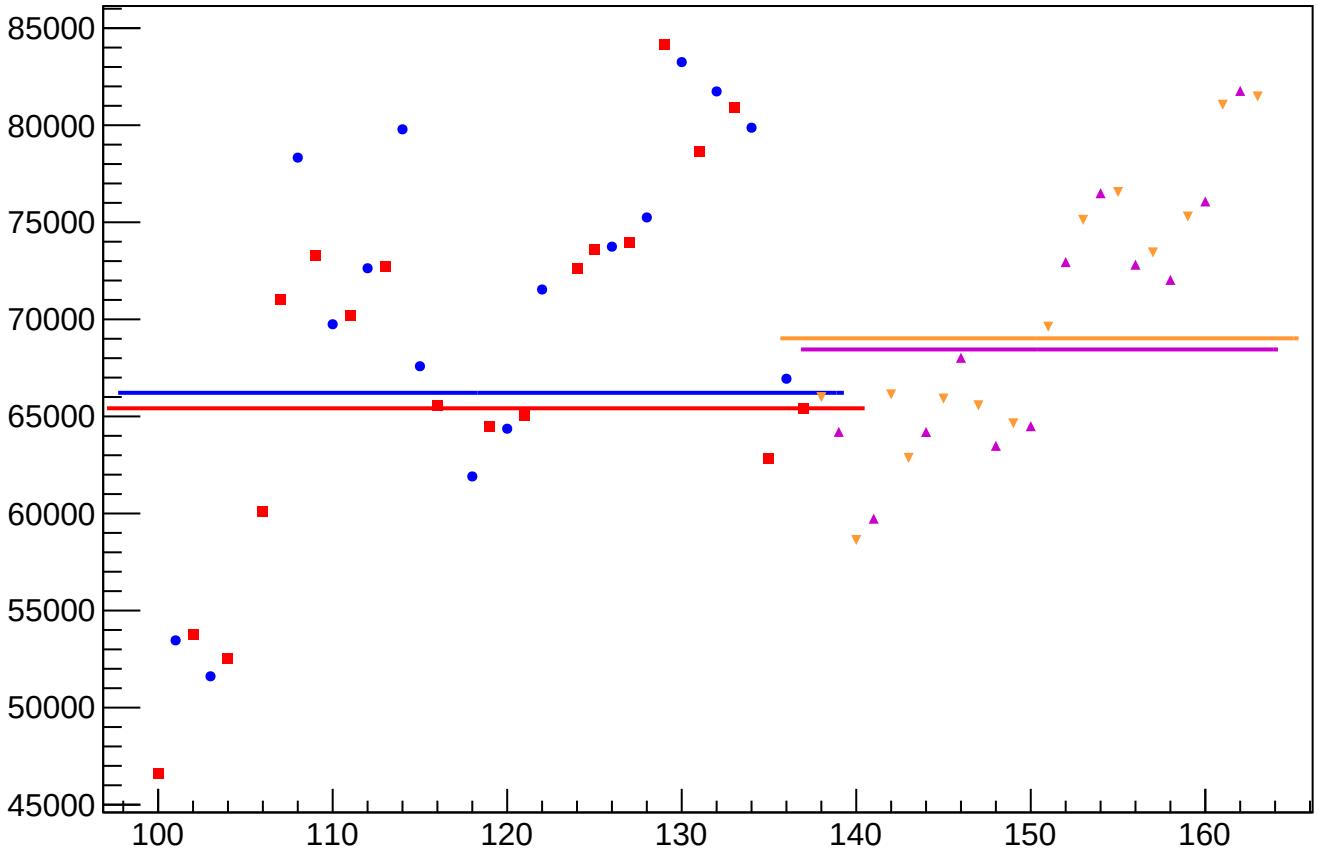
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -7.992+/-21.371 χ^2/NDF:14.1/11

+ sign -20.123+/-15.935 χ^2/NDF: 46.4/29

All: -3.091+/-11.292 χ^2/NDF: 78.2/60

- sign 14.085+/-16.003 χ^2/NDF: 29.5/30



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69022.460+/-14.660 χ^2/NDF:209577.7/13

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

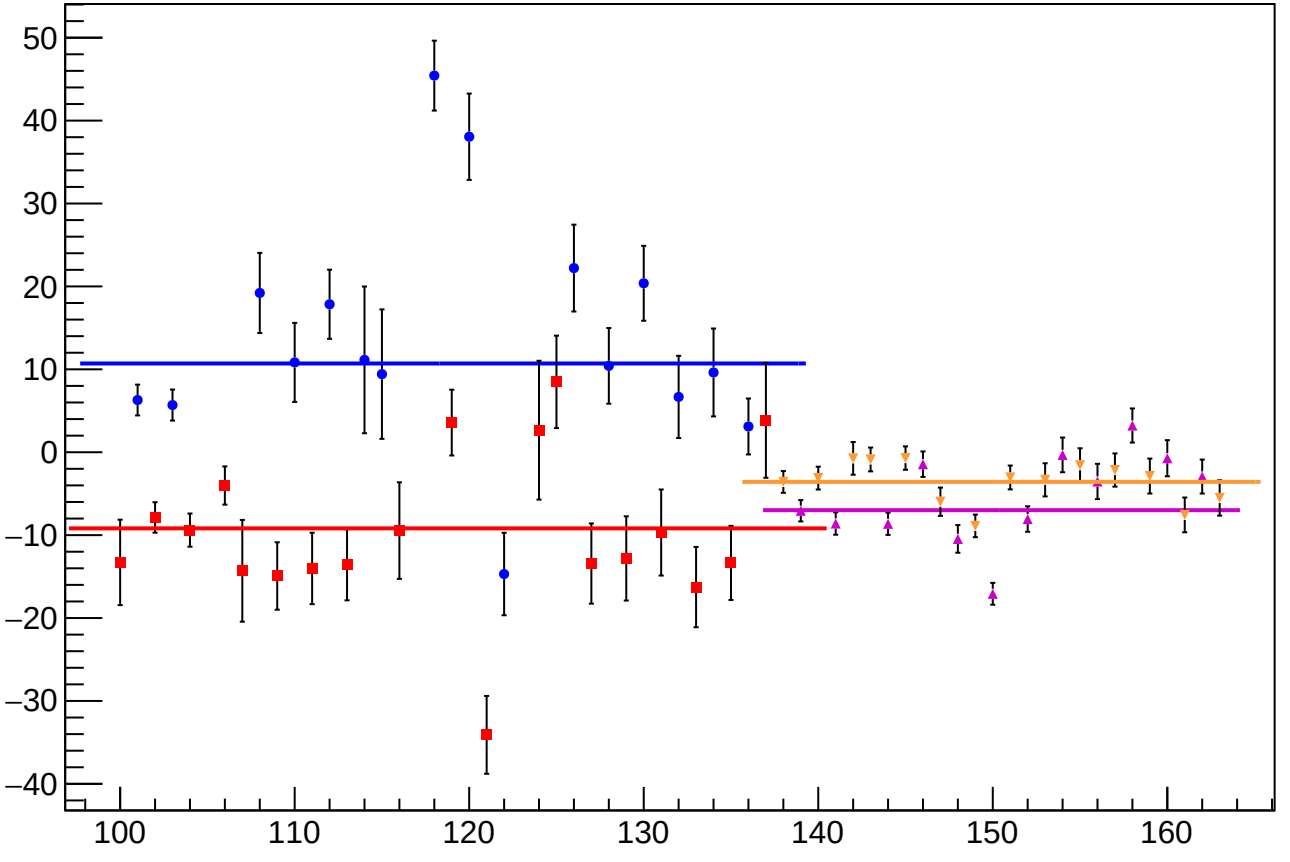
Left In: 68449.240+/-15.112 χ^2/NDF:165526.4/11

+ sign 67873.971+/-11.268 χ^2/NDF: 562952.3/29

All: 67497.521+/-7.984 χ^2/NDF: 1052945.7/6

- sign 67117.849+/-11.316 χ^2/NDF: 487751.4/30

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.573+/-0.442 χ^2/NDF:33.2/13

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

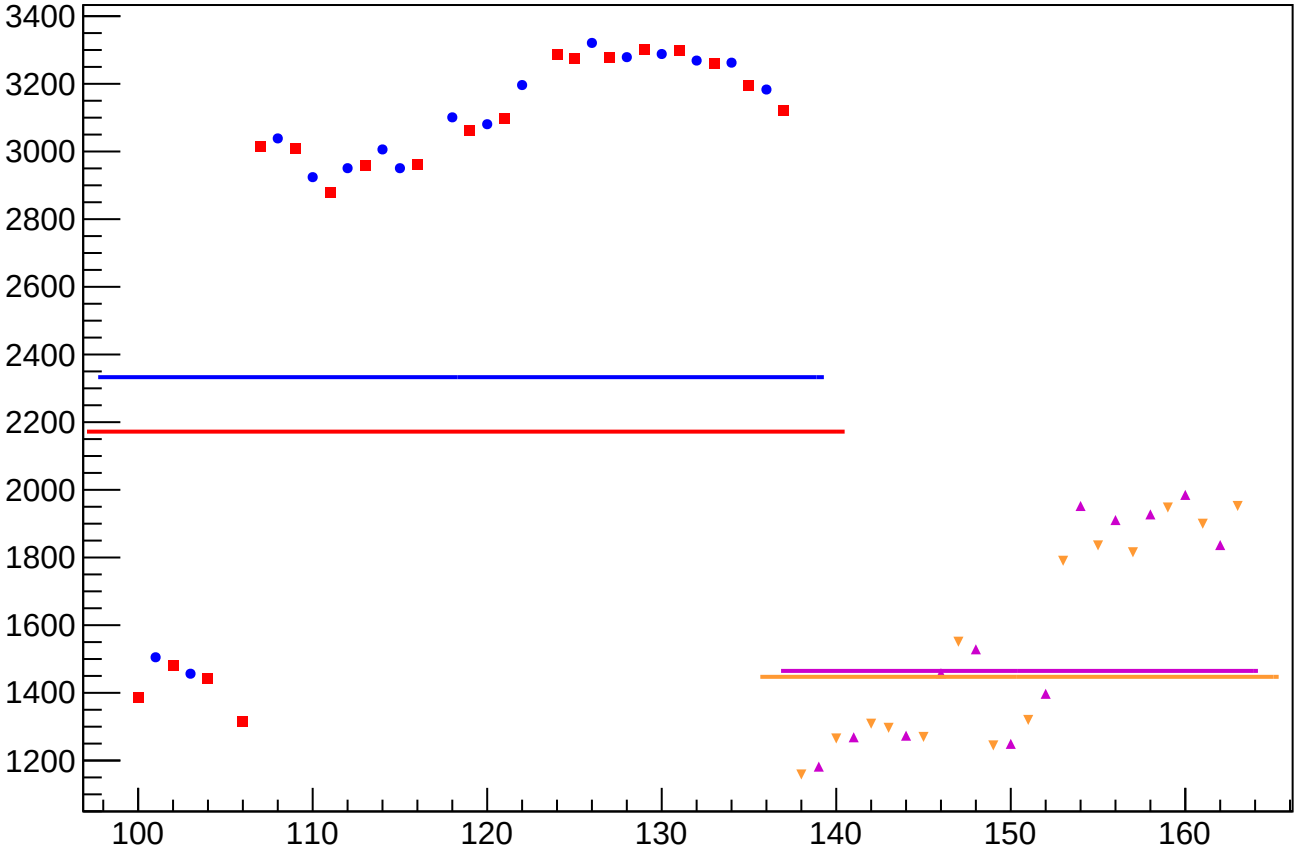
Left In: -6.989+/-0.465 χ^2/NDF:128.8/11

+ sign -0.903+/-0.398 χ^2/NDF: 384.3/29

All: -4.117+/-0.285 χ^2/NDF: 721.5/60

- sign -7.494+/-0.408 χ^2/NDF: 203.5/30

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1447.324+/-0.312 χ^2/NDF:779259.4/13

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

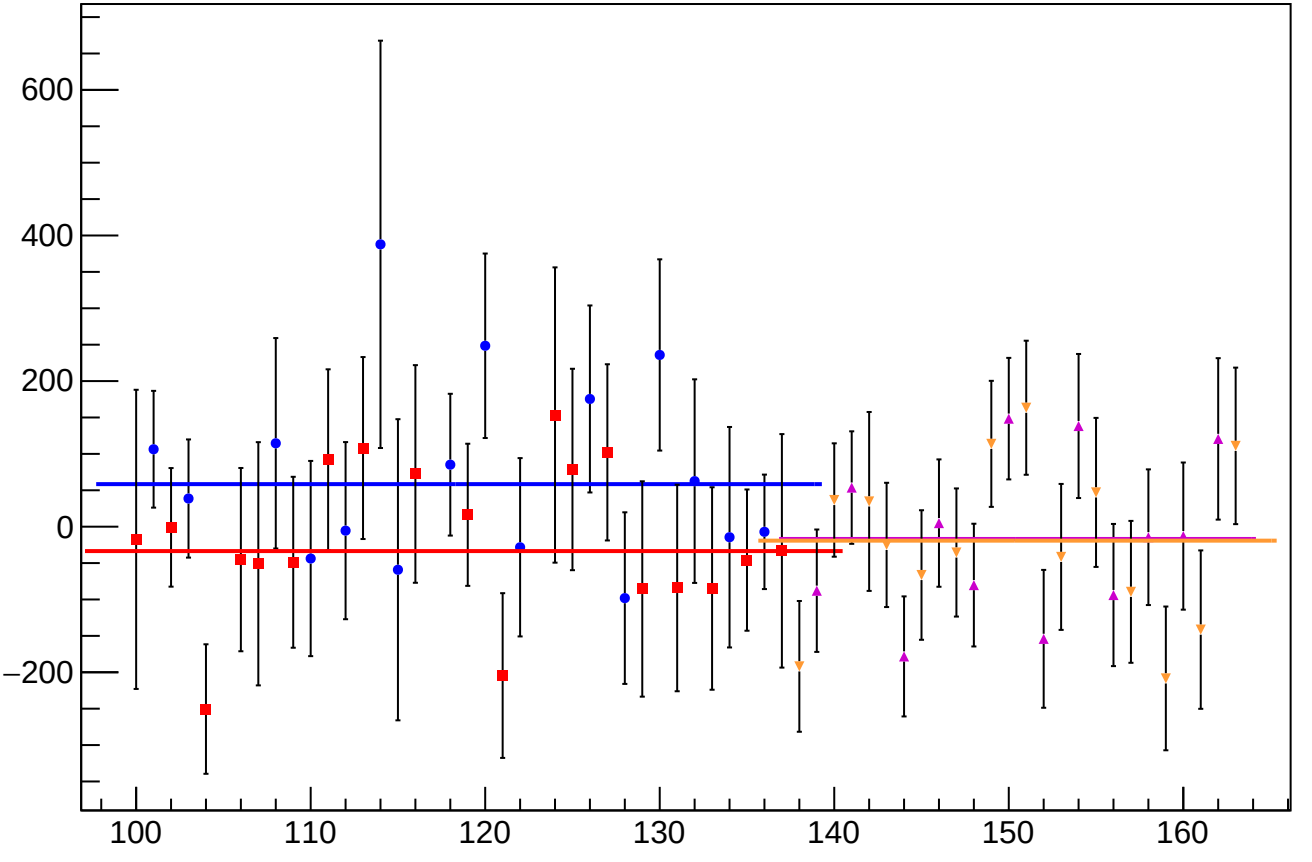
Left In: 1464.851+/-0.329 χ^2/NDF:717116.3/11

+ sign 1612.965+/-0.281 χ^2/NDF: 3935840.4/29

All: 1620.183+/-0.201 χ^2/NDF: 7703651.2/60

- sign 1627.765+/-0.289 χ^2/NDF: 3766462.8/30

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.194+/-25.215 χ^2/NDF:18.4/13

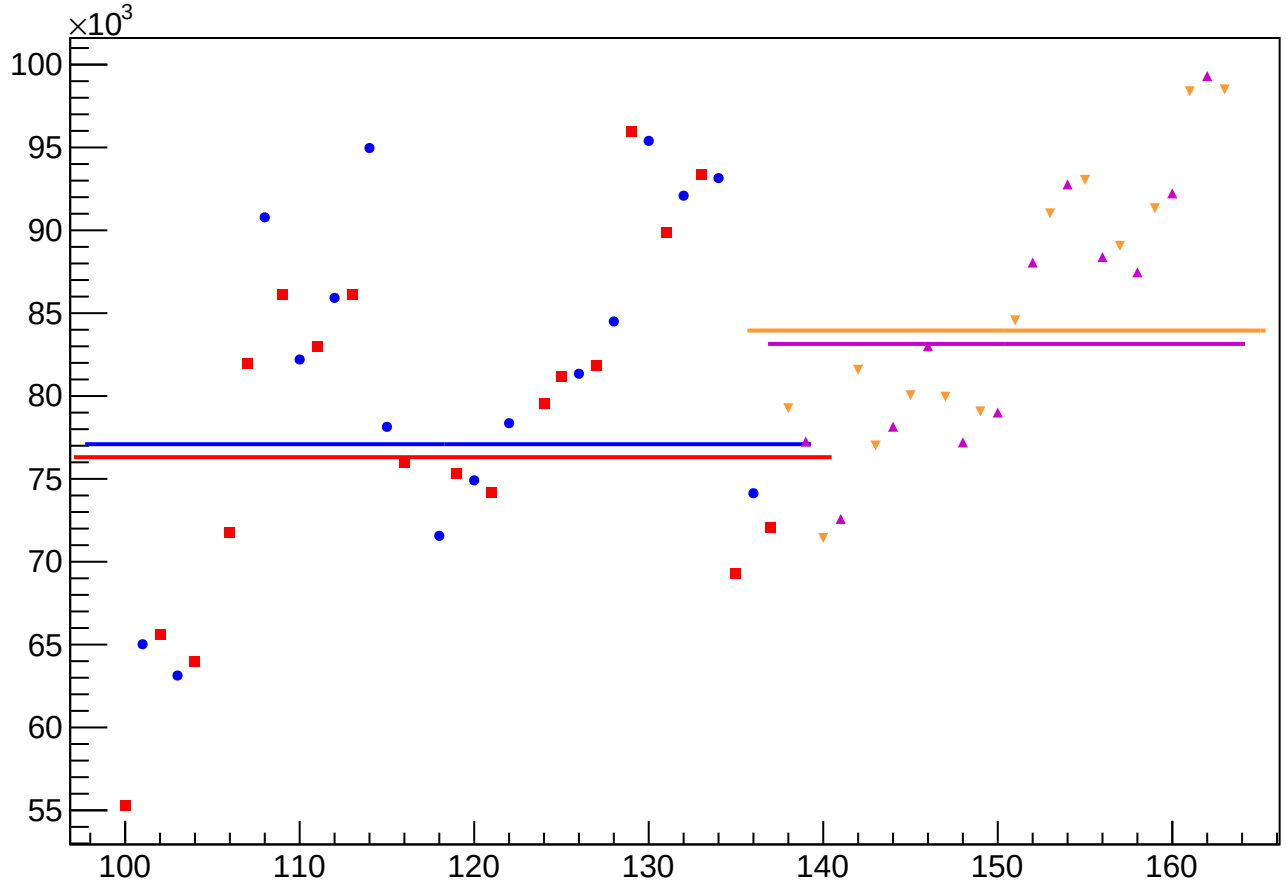
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -16.876+/-25.961 χ^2/NDF:16.6/11

+ sign 14.340+/-19.005 χ^2/NDF: 33.8/29

All: -5.033+/-13.461 χ^2/NDF: 67.4/60

- sign -24.539+/-19.070 χ^2/NDF: 31.5/30



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 83951.834+/-17.829 χ^2/NDF:199714.8/13

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

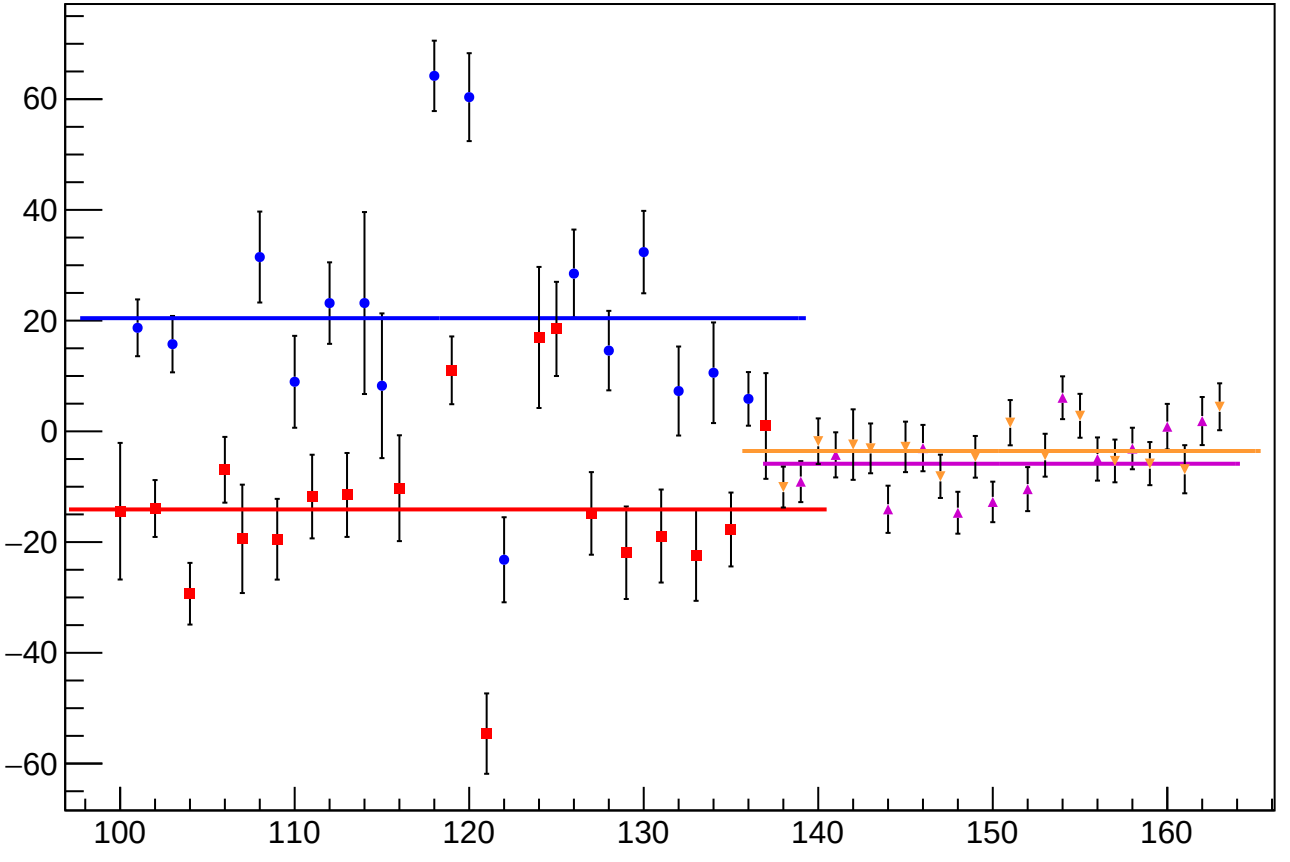
Left In: 83144.337+/-18.357 χ^2/NDF:162430.1/11

+ sign 80989.466+/-13.438 χ^2/NDF: 512172.8/29

All: 80495.070+/-9.519 χ^2/NDF: 975590.3/60

- sign 79997.254+/-13.485 χ^2/NDF: 460701.1/30

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.549+/-1.103 χ^2/NDF:13.7/13

Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

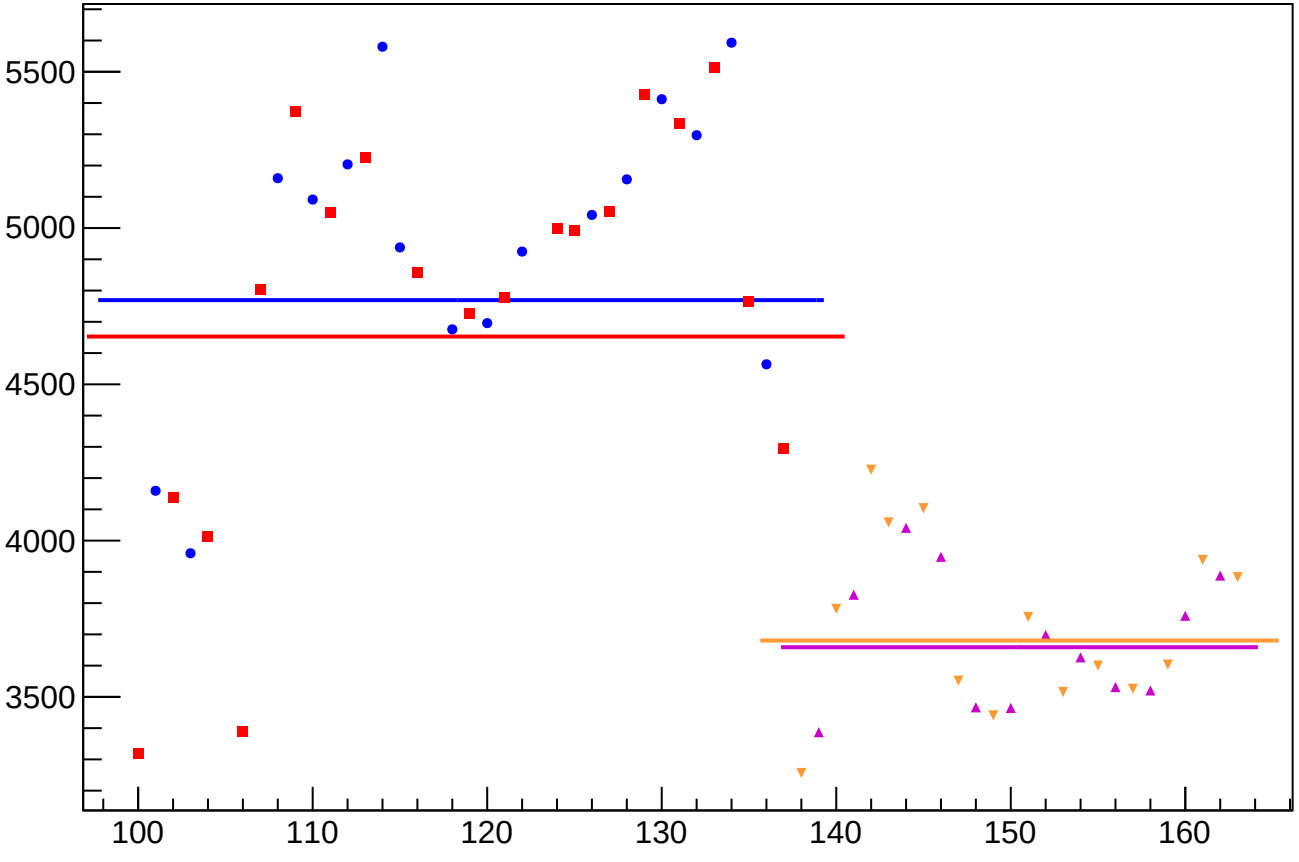
Left In: -5.851+/-1.140 χ^2/NDF:31.3/11

+ sign 3.095+/-0.938 χ^2/NDF: 272.6/29

All: -2.574+/-0.667 χ^2/NDF: 477.7/60

- sign -8.384+/-0.949 χ^2/NDF: 131.2/30

diff_bpm0r05Y_rms vs Slug



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3680.358+/-0.780 χ^2/NDF:104645.7/13

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

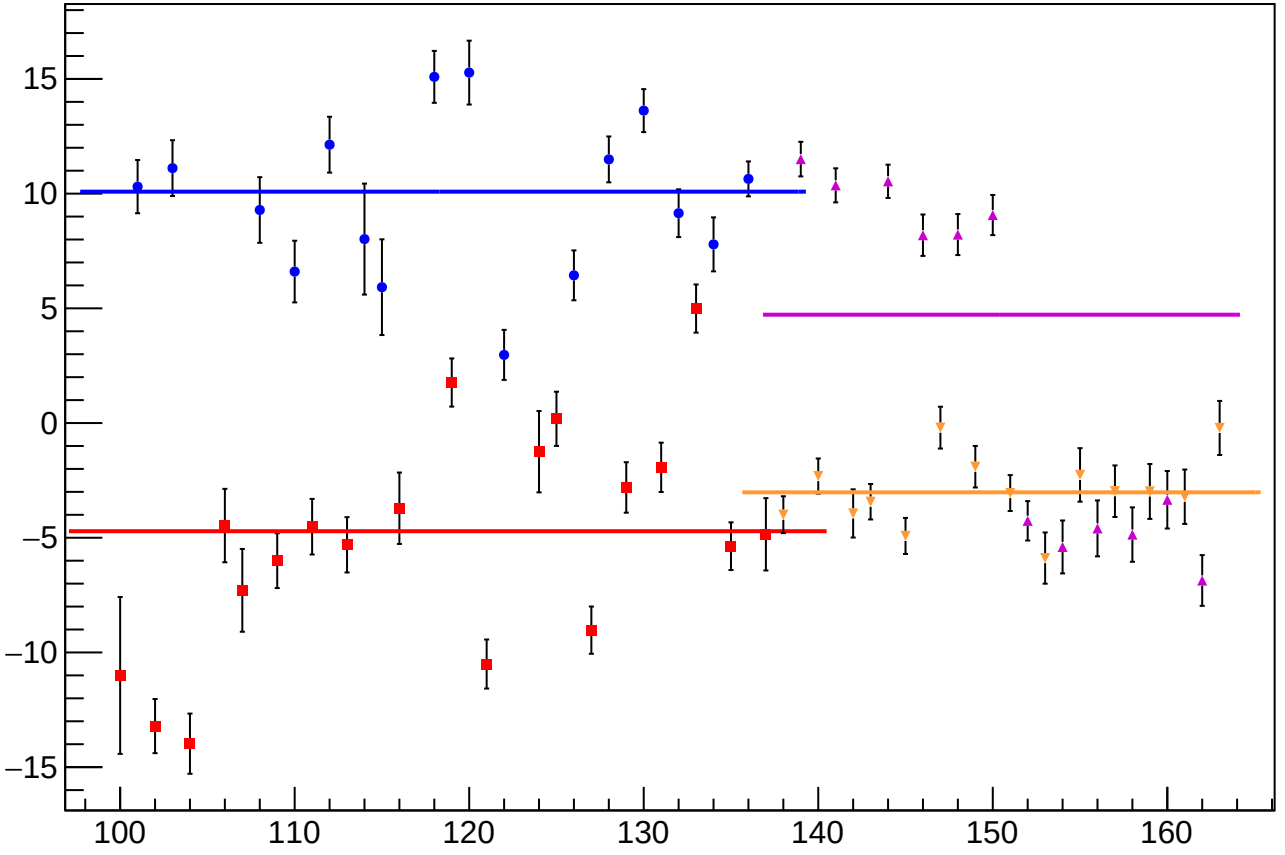
Left In: 3658.951+/-0.806 χ^2/NDF:62590.0/11

+ sign 3981.946+/-0.663 χ^2/NDF: 796431.2/29

All: 3973.106+/-0.472 χ^2/NDF: 1590876.8/60

- sign 3964.046+/-0.671 χ^2/NDF: 794085.8/30

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.019+/-0.250 χ^2/NDF:33.0/13

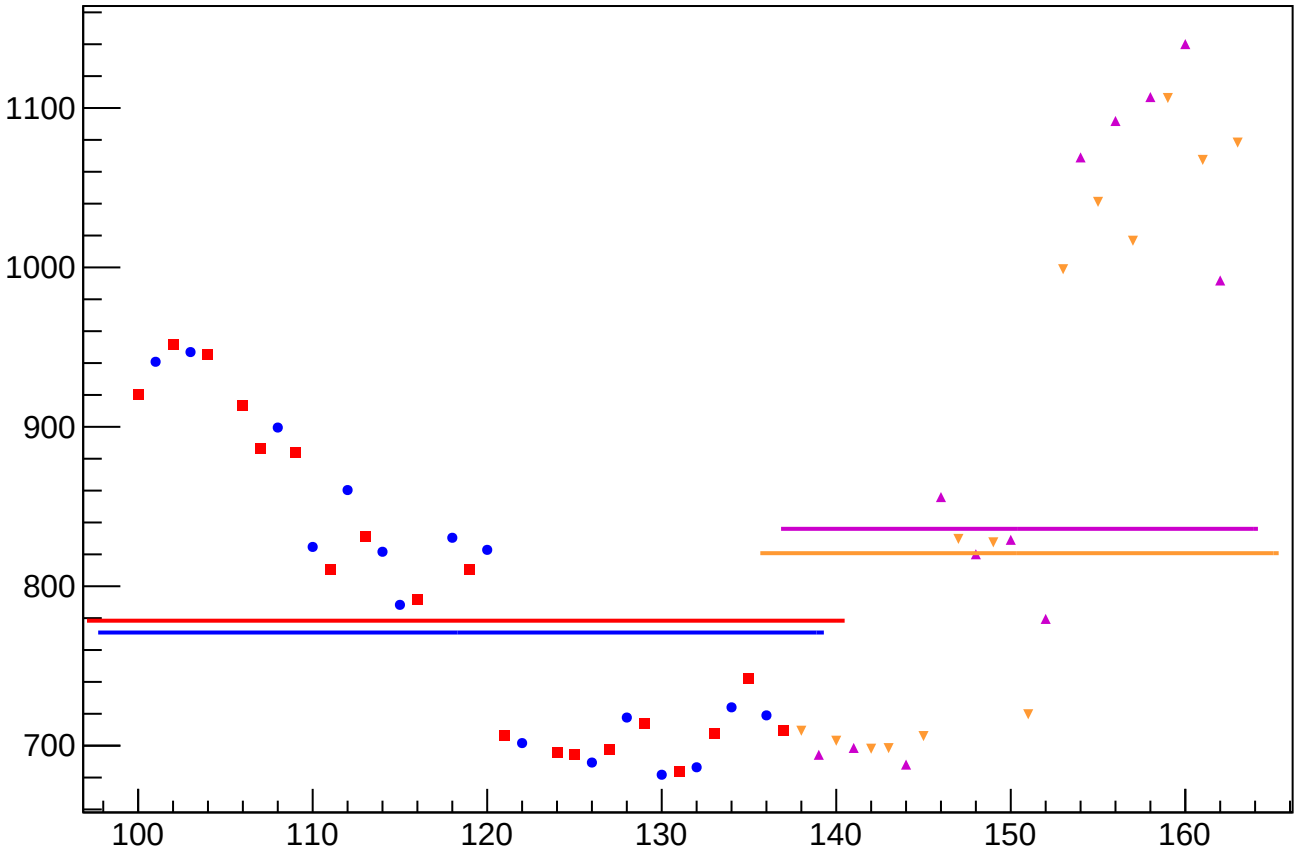
Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: 4.723+/-0.265 χ^2/NDF:718.8/11

+ sign 2.612+/-0.189 χ^2/NDF: 1334.9/29

All: 1.514+/-0.136 χ^2/NDF: 3019.1/60

- sign 0.353+/-0.194 χ^2/NDF: 1614.8/30



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.744+/-0.177 χ^2/NDF:718123.5/13

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

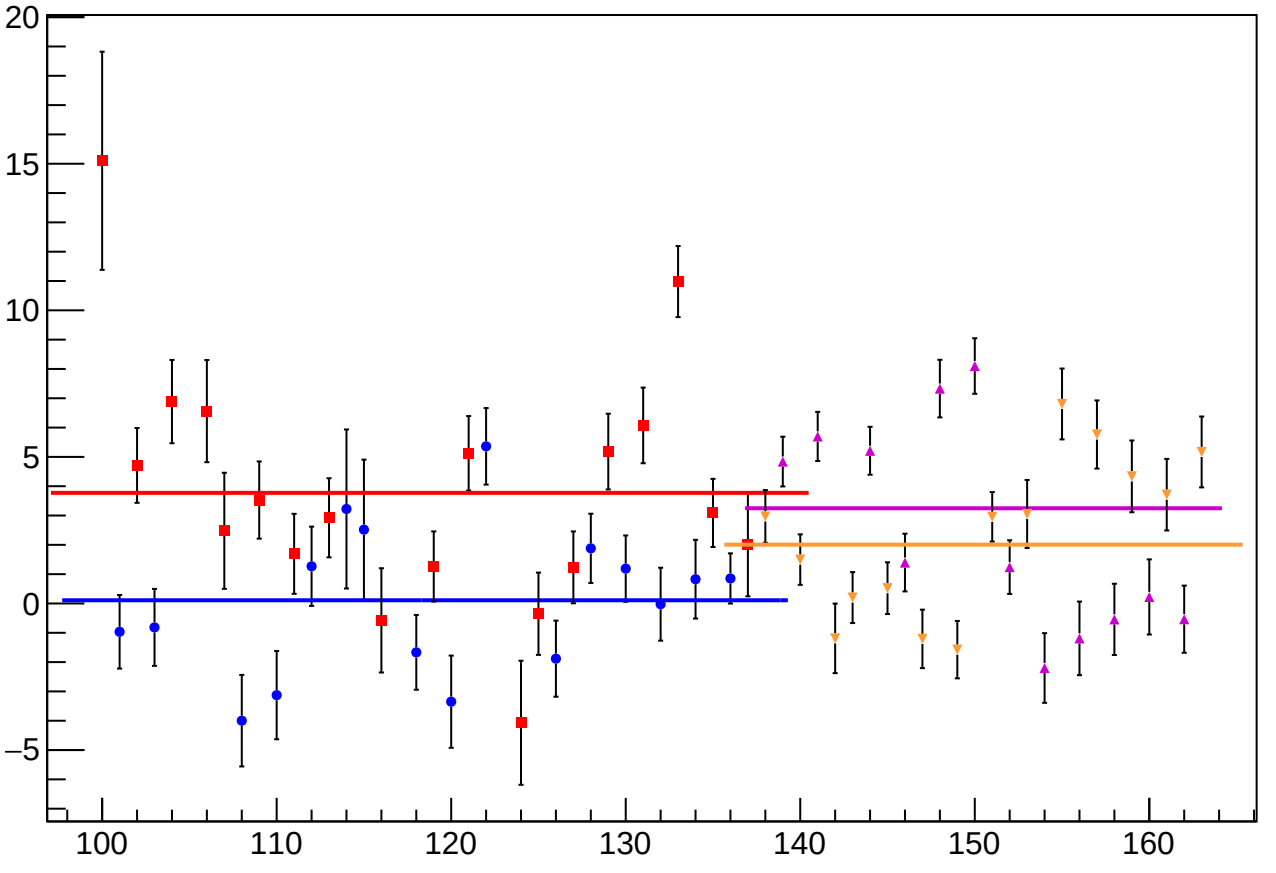
Left In: 836.019+/-0.188 χ^2/NDF:664005.6/11

+ sign 799.358+/-0.134 χ^2/NDF: 945012.1/29

All: 804.207+/-0.096 χ^2/NDF: 1851941.7/60

- sign 809.337+/-0.137 χ^2/NDF: 904221.4/30

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.007+/-0.272 χ^2/NDF:80.4/13

Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

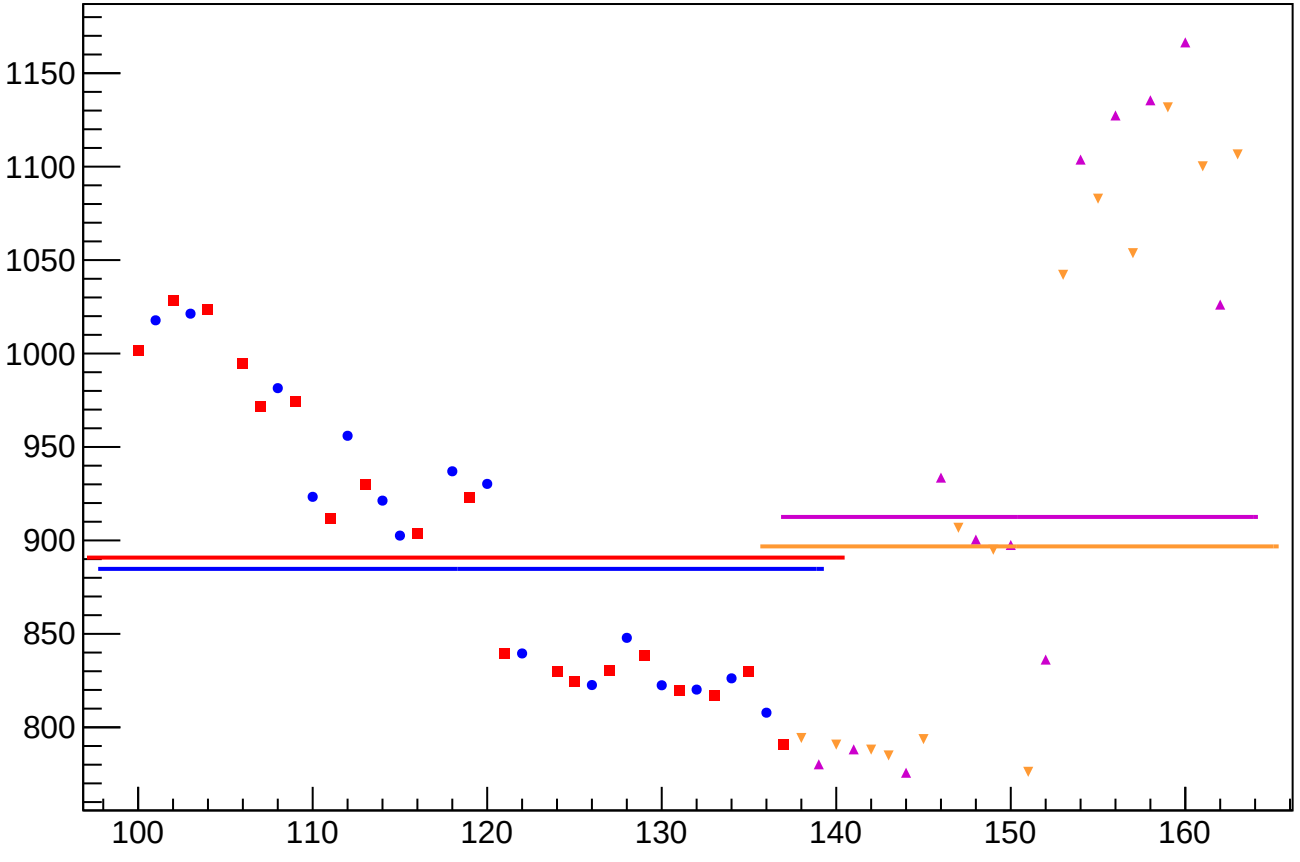
Left In: 3.247+/-0.288 χ^2/NDF:129.4/11

+ sign 1.240+/-0.210 χ^2/NDF: 145.5/29

All: 2.327+/-0.150 χ^2/NDF: 431.3/60

- sign 3.478+/-0.216 χ^2/NDF: 230.5/30

diff_bpm2i01Y_rms vs Slug



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 896.801+/-0.192 χ^2/NDF:479169.1/13

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

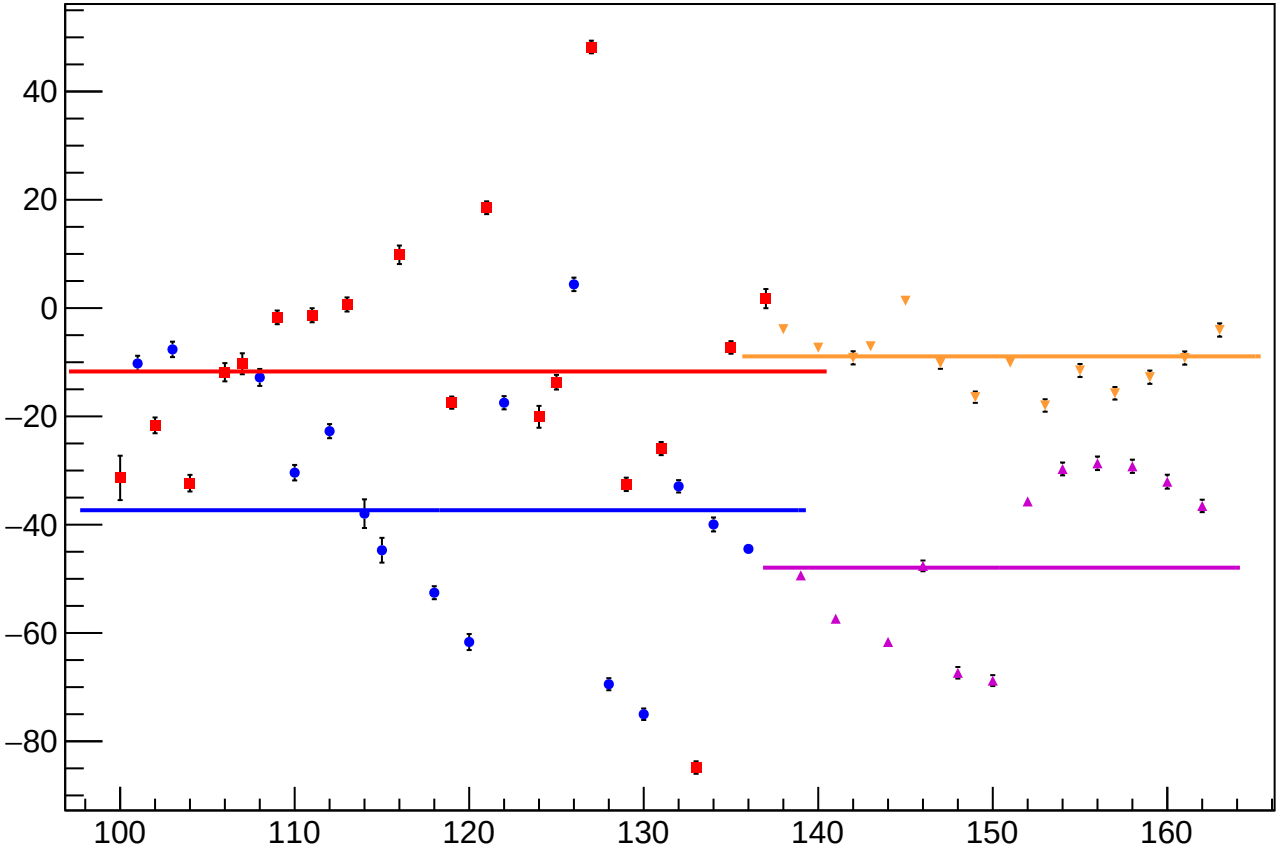
Left In: 912.568+/-0.203 χ^2/NDF:440425.8/11

+ sign 891.939+/-0.148 χ^2/NDF: 585247.1/29

All: 897.335+/-0.106 χ^2/NDF: 1141164.9/60

- sign 903.045+/-0.153 χ^2/NDF: 553193.5/30

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.918+/-0.276 χ^2/NDF:348.5/13

Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

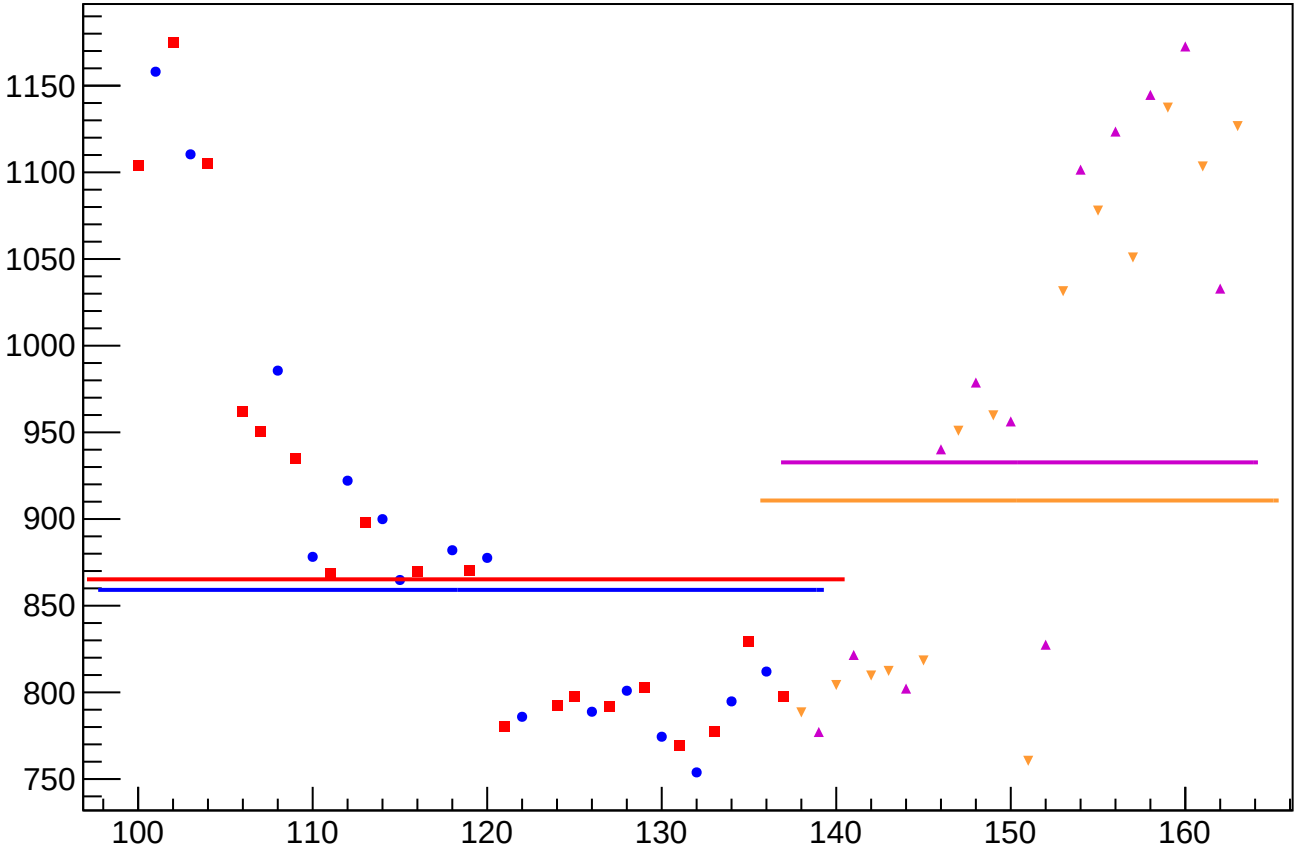
Left In: -47.938+/-0.294 χ^2/NDF:2277.8/11

\+ sign -20.960+/-0.209 χ^2/NDF: 10026.6/29

All: -25.945+/-0.150 χ^2/NDF: 28937.7/60

\- sign -31.238+/-0.216 χ^2/NDF: 17743.2/30

diff_bpm2i02X_rms vs Slug



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 910.685+/-0.195 χ^2/NDF:467199.0/13

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

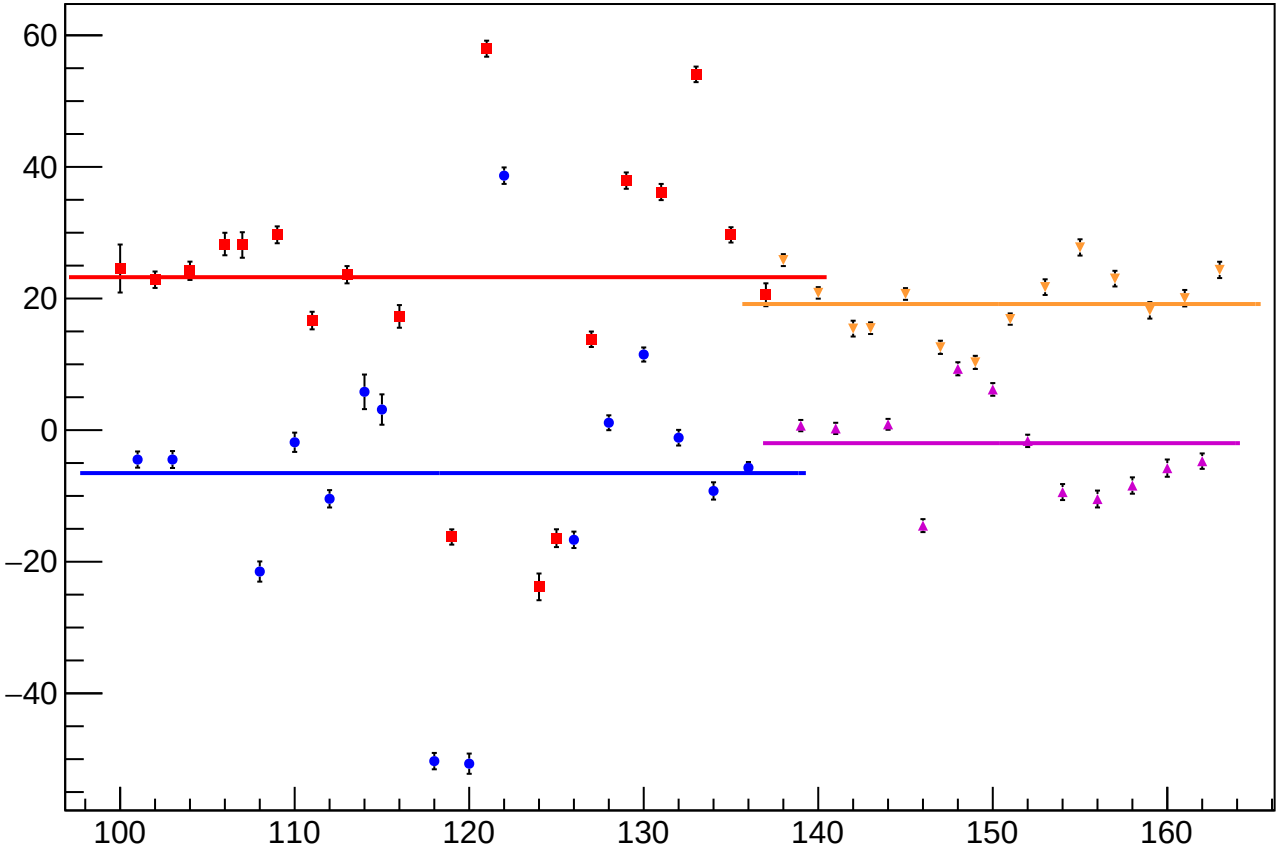
Left In: 932.683+/-0.208 χ^2/NDF:410890.4/11

+ sign 888.833+/-0.148 χ^2/NDF: 725503.2/29

All: 895.018+/-0.106 χ^2/NDF: 1412218.1/60

- sign 901.585+/-0.153 χ^2/NDF: 683119.8/30

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.163+/-0.276 χ^2/NDF:298.5/13

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

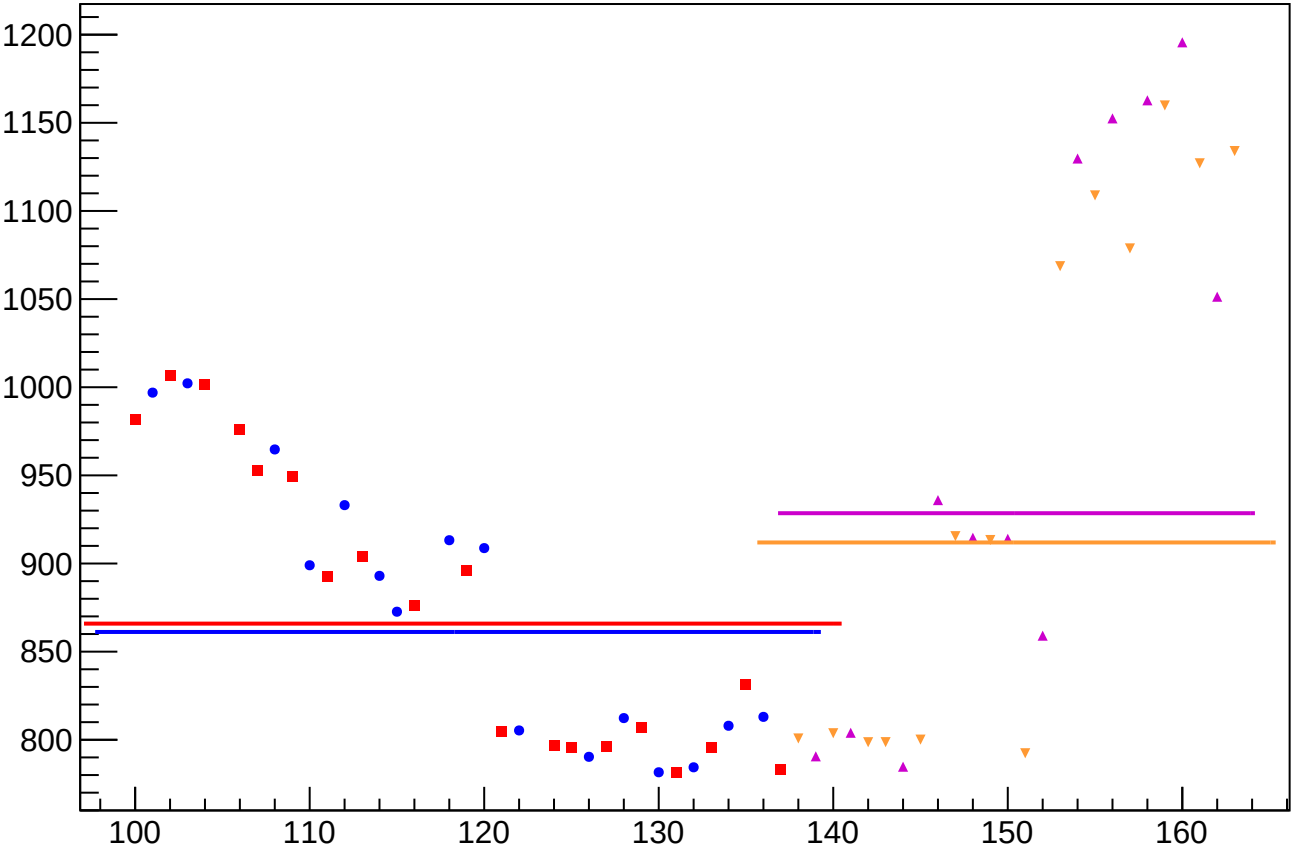
Left In: -1.982+/-0.293 χ^2/NDF:511.8/11

+ sign 8.229+/-0.210 χ^2/NDF: 7919.9/29

All: 8.913+/-0.150 χ^2/NDF: 16339.7/60

- sign 9.633+/-0.215 χ^2/NDF: 8398.0/30

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 911.942+/-0.195 χ^2/NDF:507642.5/13

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

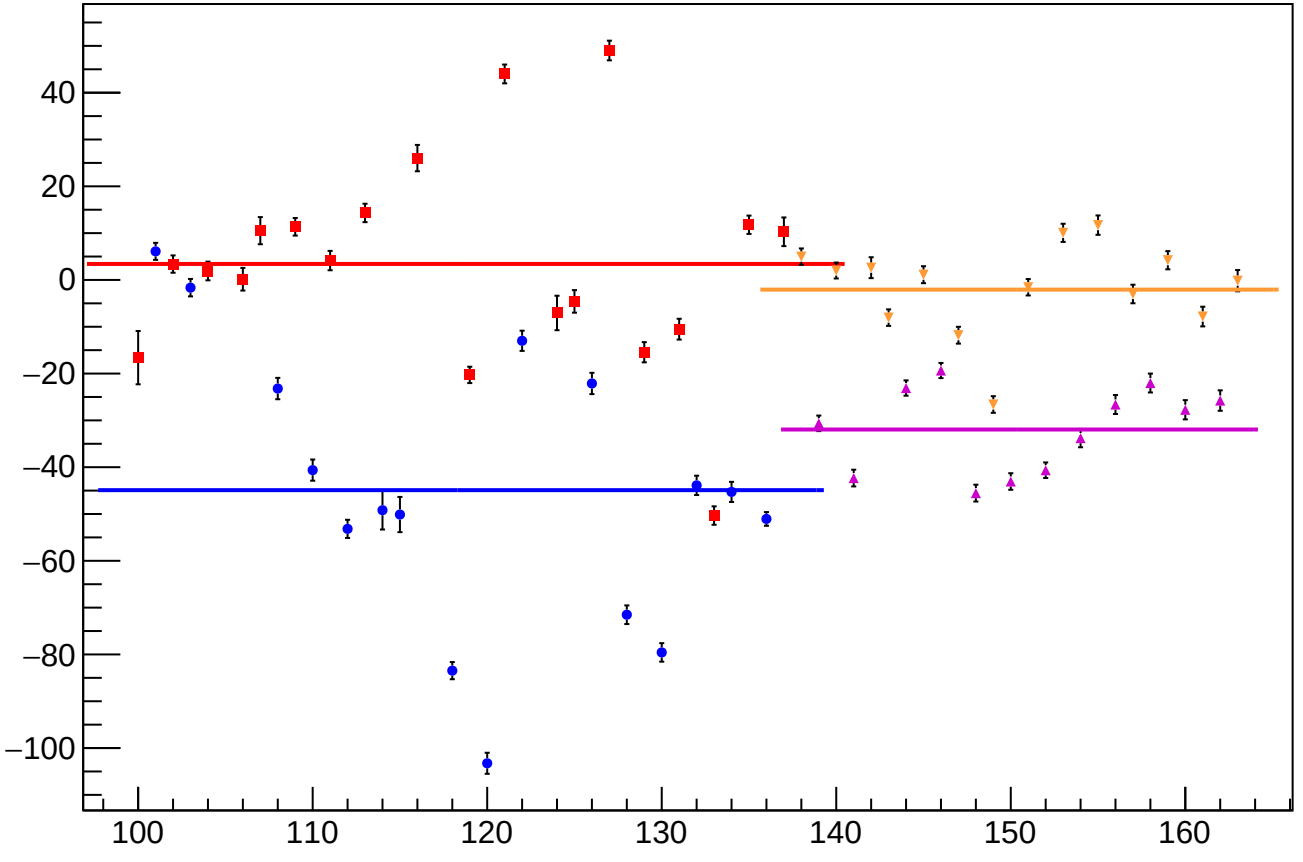
Left In: 928.541+/-0.207 χ^2/NDF:457721.5/11

+ sign 890.334+/-0.148 χ^2/NDF: 649879.8/29

All: 894.895+/-0.106 χ^2/NDF: 1270087.2/60

- sign 899.702+/-0.152 χ^2/NDF: 618261.3/30

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.068+/-0.507 χ^2/NDF:363.0/13

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

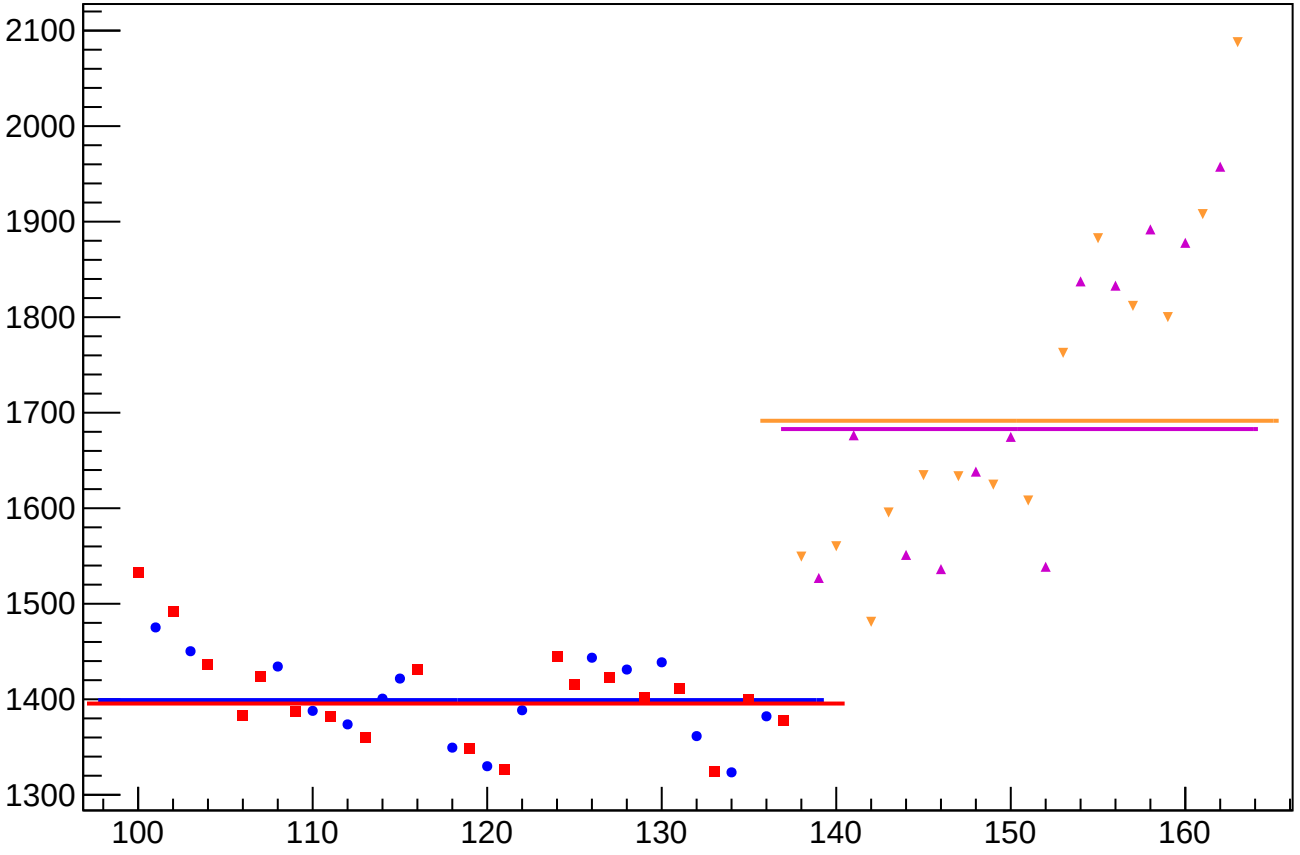
Left In: -31.950+/-0.526 χ^2/NDF:292.2/11

+ sign -22.964+/-0.363 χ^2/NDF: 7217.9/29

All: -18.365+/-0.258 χ^2/NDF: 12270.3/60

- sign -13.699+/-0.366 χ^2/NDF: 4729.2/30

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1691.564+/-0.359 χ^2/NDF:175371.5/13

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

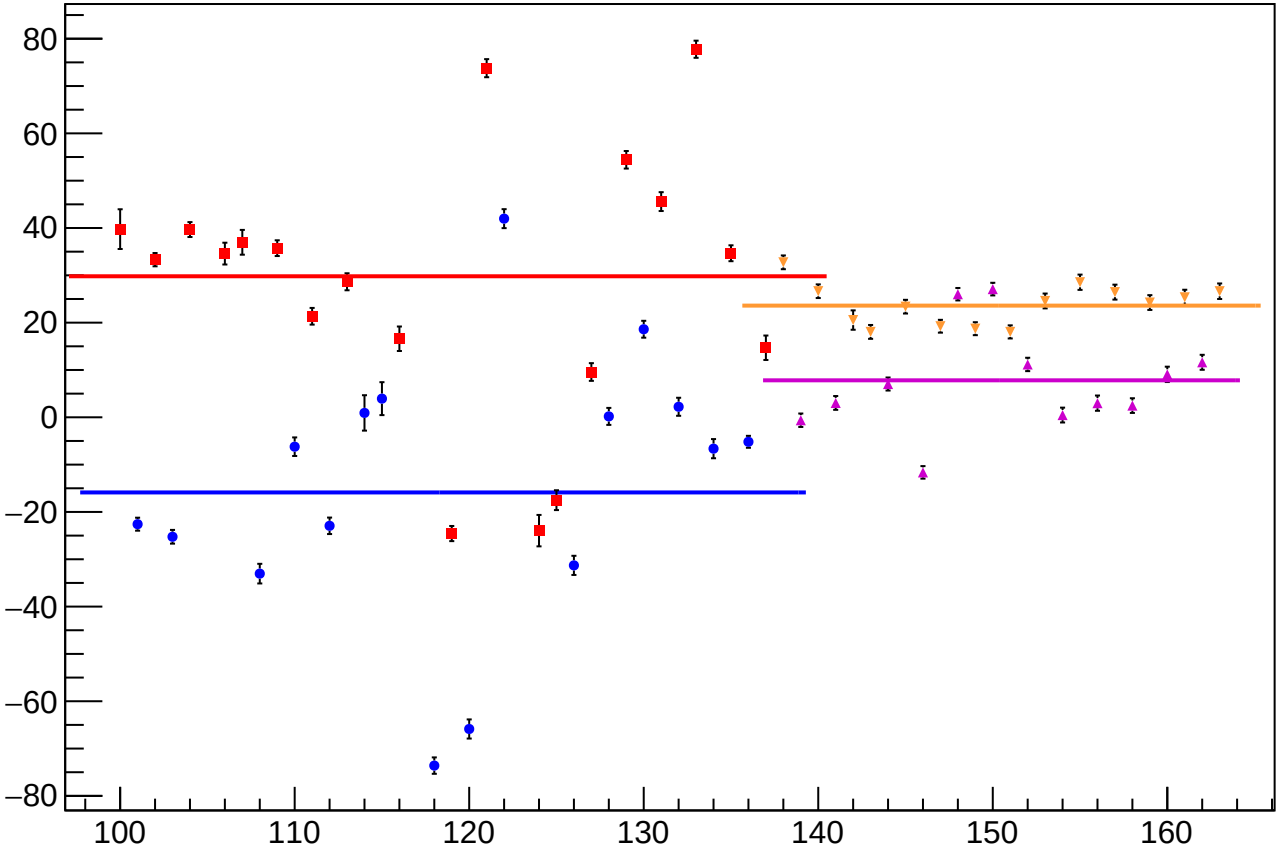
Left In: 1682.877+/-0.372 χ^2/NDF:157847.2/11

+ sign 1548.936+/-0.257 χ^2/NDF: 514234.0/29

All: 1541.820+/-0.182 χ^2/NDF: 998111.6/60

- sign 1534.599+/-0.259 χ^2/NDF: 482329.8/30

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.601+/-0.405 χ^2/NDF:117.5/13

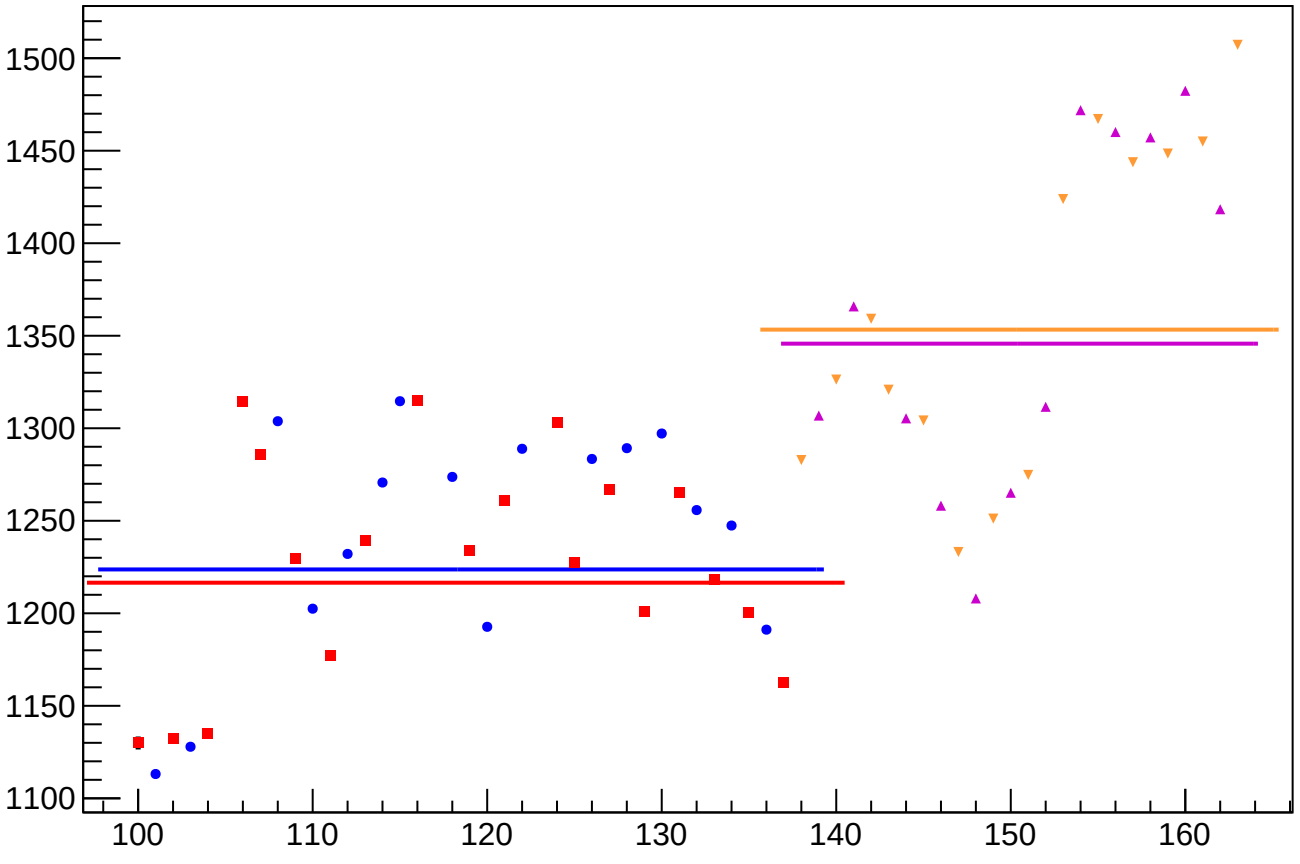
Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 7.814+/-0.419 χ^2/NDF:715.7/11

+ sign 6.151+/-0.303 χ^2/NDF: 7791.7/29

All: 12.115+/-0.215 χ^2/NDF: 14266.1/60

- sign 18.173+/-0.305 χ^2/NDF: 5691.6/30



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.307+/-0.286 χ^2/NDF:95528.8/13

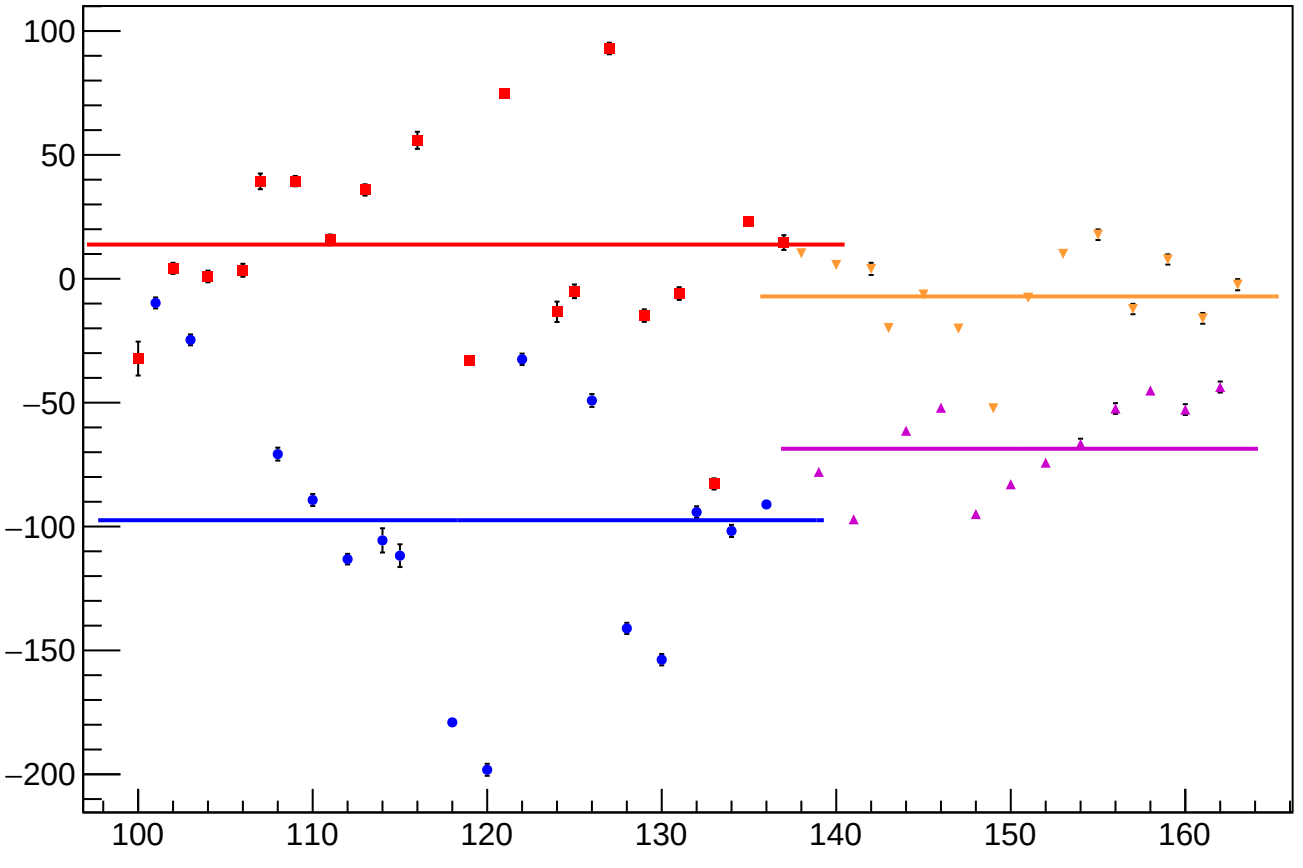
Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1345.719+/-0.297 χ^2/NDF:94334.6/11

+ sign 1296.021+/-0.214 χ^2/NDF: 226865.1/29

All: 1290.480+/-0.152 χ^2/NDF: 441328.7/60

- sign 1284.852+/-0.216 χ^2/NDF: 213112.4/30



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.122+/-0.522 χ^2/NDF:1189.3/13

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

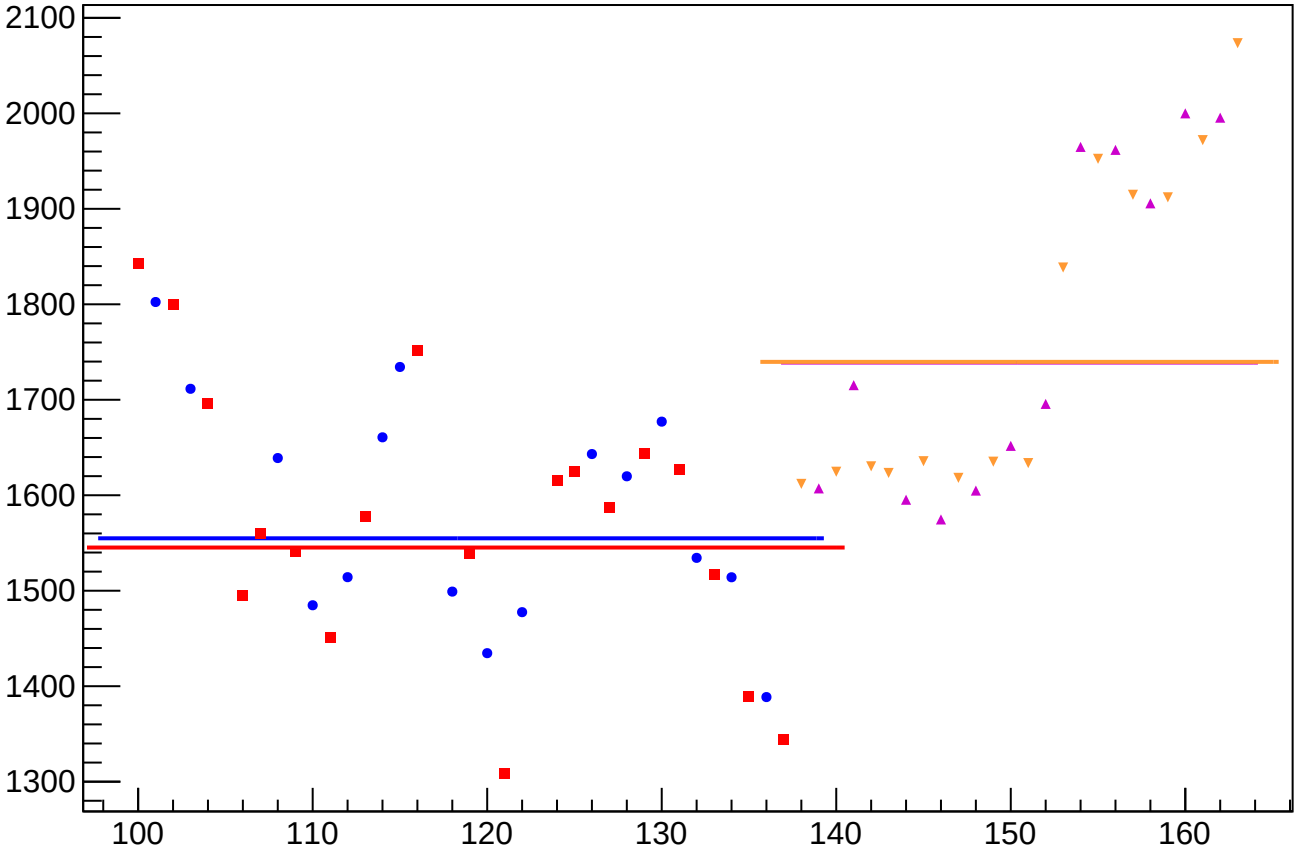
Left In: -68.611+/-0.543 χ^2/NDF:1059.4/11

+ sign -47.593+/-0.388 χ^2/NDF: 22905.7/29

All: -38.425+/-0.276 χ^2/NDF: 41493.5/60

- sign -29.068+/-0.392 χ^2/NDF: 17458.6/30

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1739.702+/-0.369 χ^2/NDF:179113.9/13

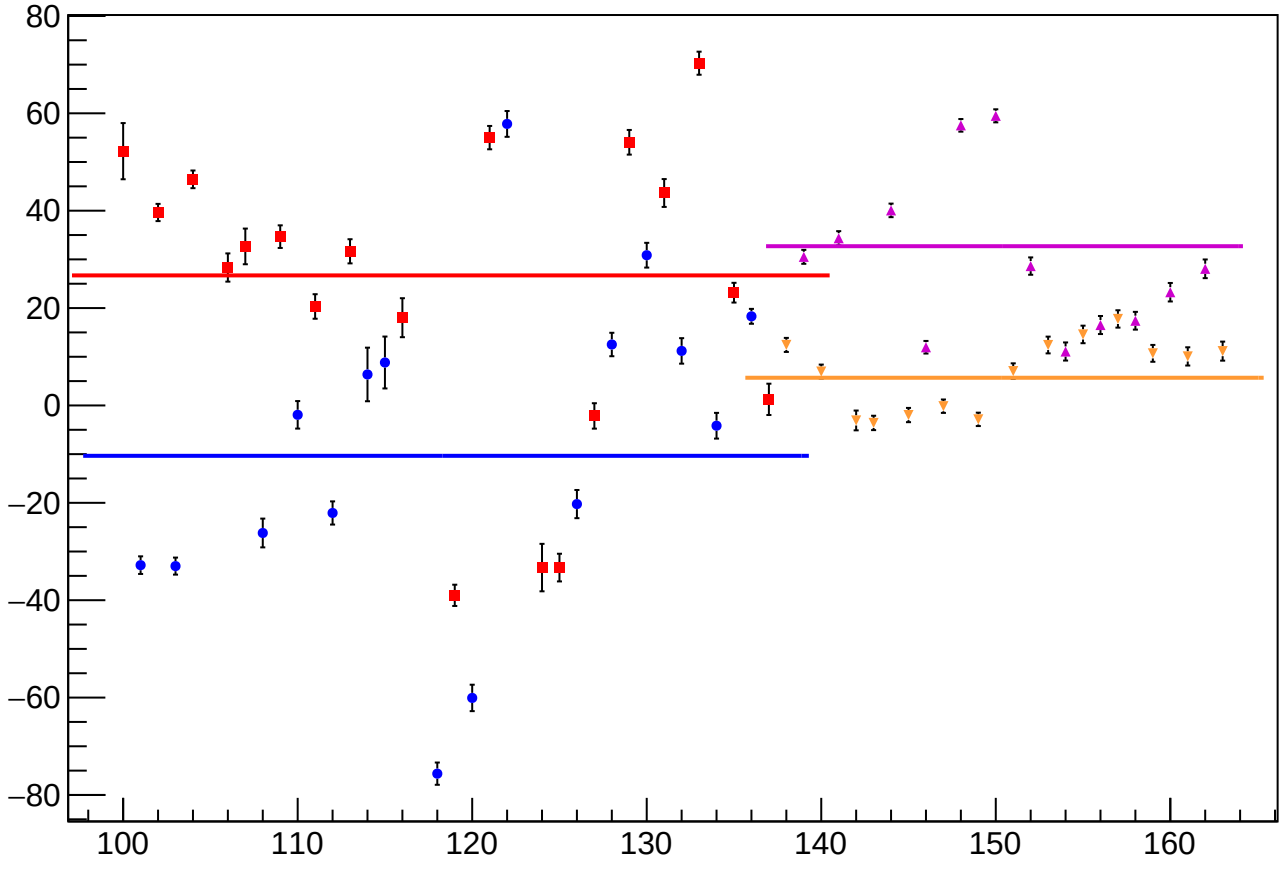
Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1738.960+/-0.384 χ^2/NDF:176595.6/11

+ sign 1656.910+/-0.274 χ^2/NDF: 379321.8/29

All: 1651.523+/-0.195 χ^2/NDF: 787522.1/60

- sign 1646.026+/-0.277 χ^2/NDF: 407420.8/30



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.688+/-0.429 χ^2/NDF:272.7/13

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

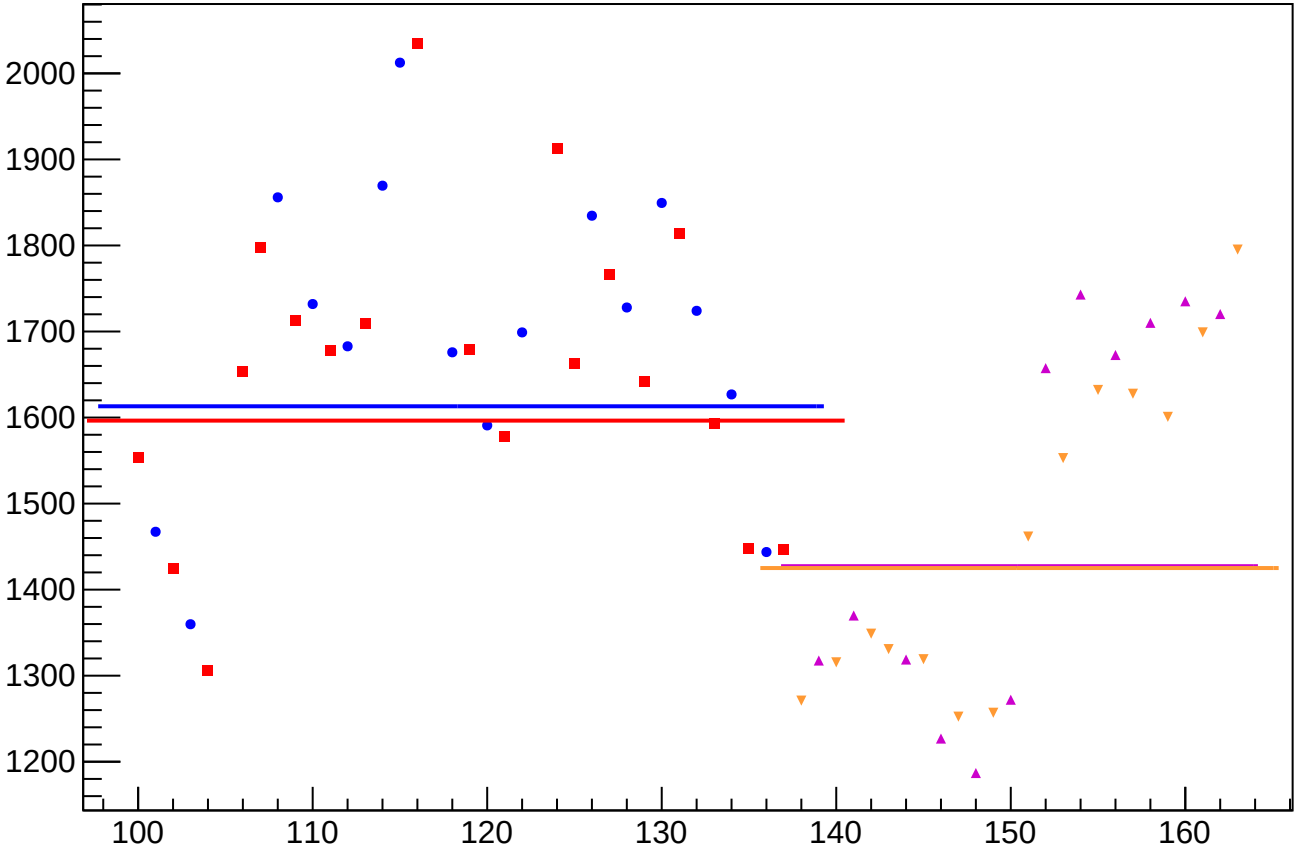
Left In: 32.707+/-0.449 χ^2/NDF:1370.2/11

+ sign 0.296+/-0.350 χ^2/NDF: 3748.7/29

All: 15.107+/-0.250 χ^2/NDF: 11380.9/60

- sign 30.490+/-0.356 χ^2/NDF: 3976.9/30

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1425.093+/-0.304 χ^2/NDF:316604.3/13

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

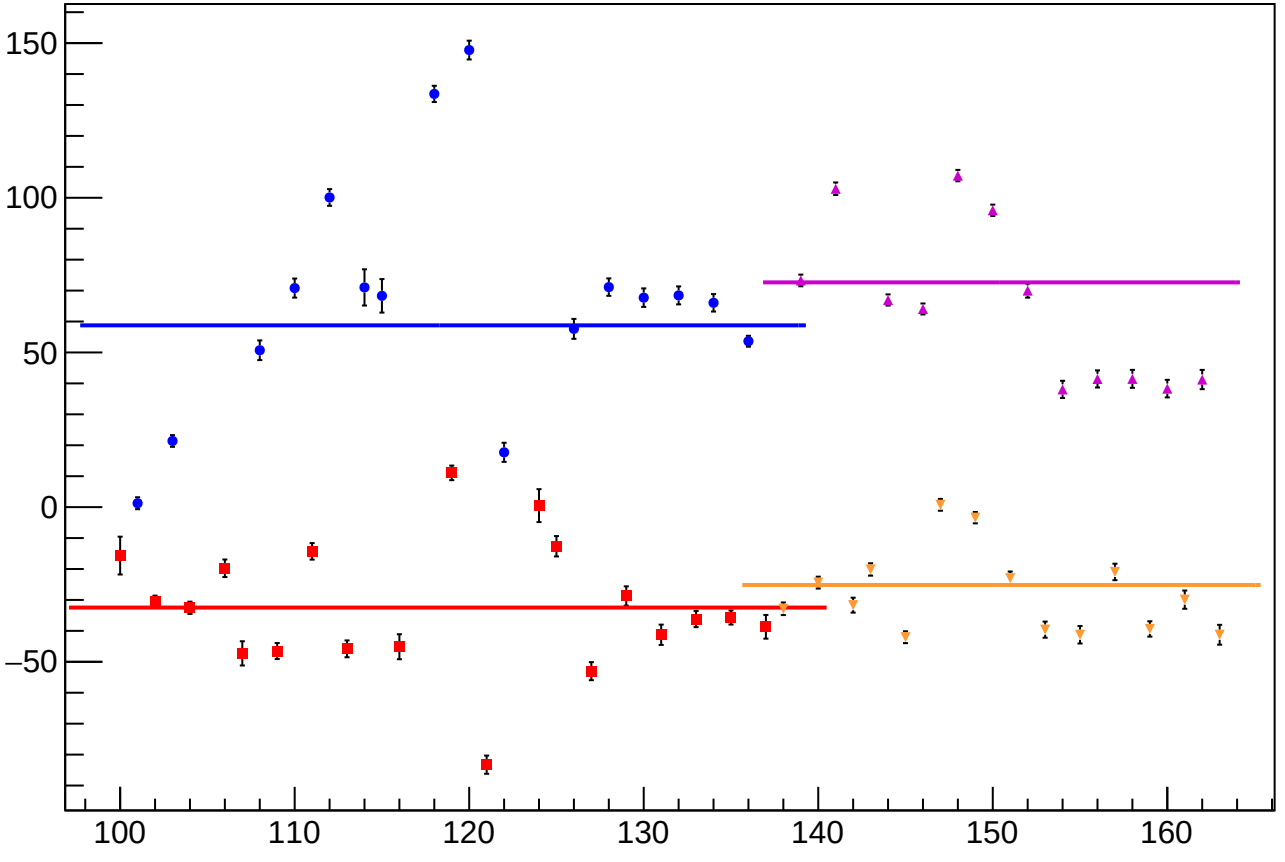
Left In: 1427.265+/-0.317 χ^2/NDF:443537.9/11

+ sign 1488.317+/-0.247 χ^2/NDF: 600286.4/29

All: 1489.040+/-0.177 χ^2/NDF: 1309513.4/60

- sign 1489.791+/-0.252 χ^2/NDF: 709209.6/30

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.175+/-0.600 χ^2/NDF:556.8/13

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

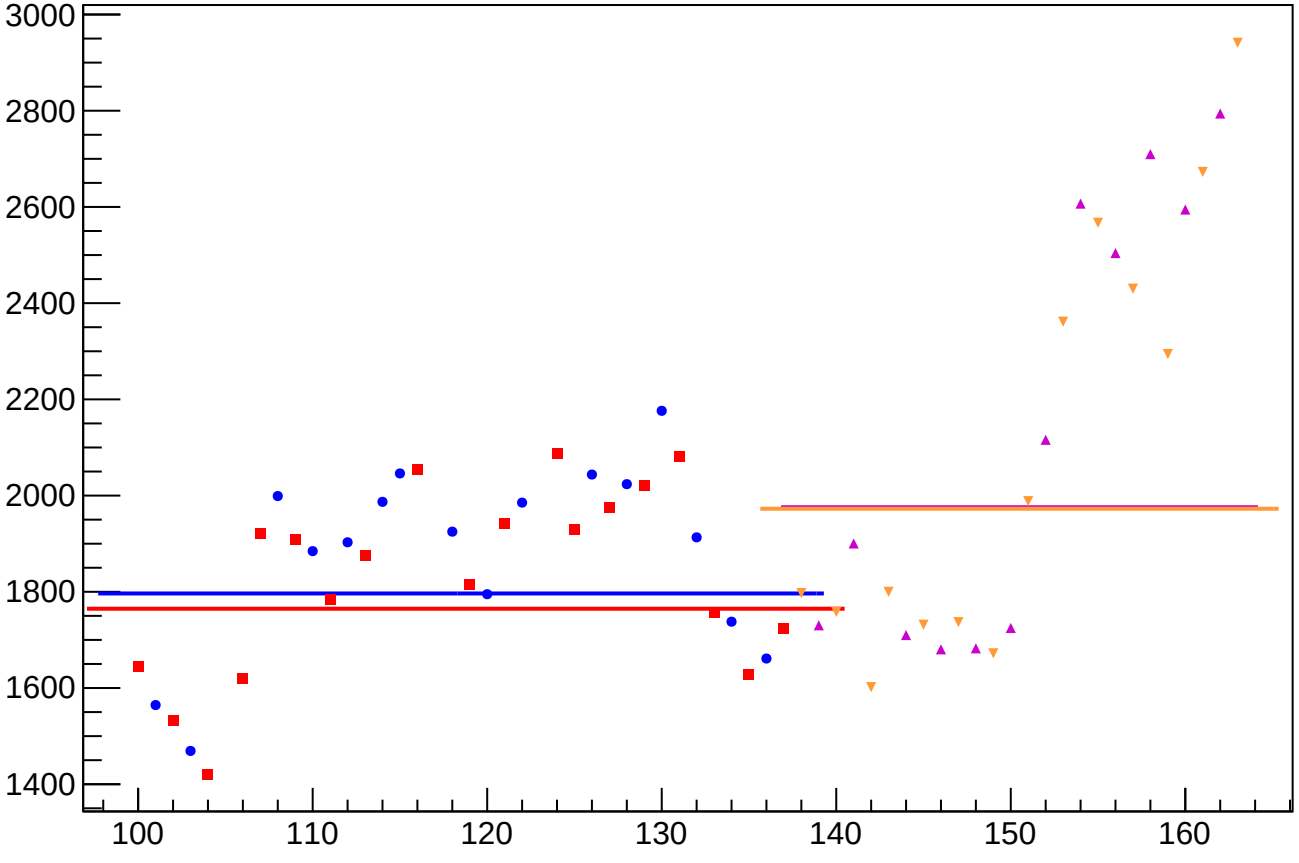
Left In: 72.654+/-0.627 χ^2/NDF:1416.9/11

+ sign 12.035+/-0.448 χ^2/NDF: 12673.4/29

All: 16.907+/-0.318 χ^2/NDF: 28837.8/60

- sign 21.845+/-0.451 χ^2/NDF: 15925.9/30

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1972.664+/-0.424 χ^2/NDF:738521.7/13

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

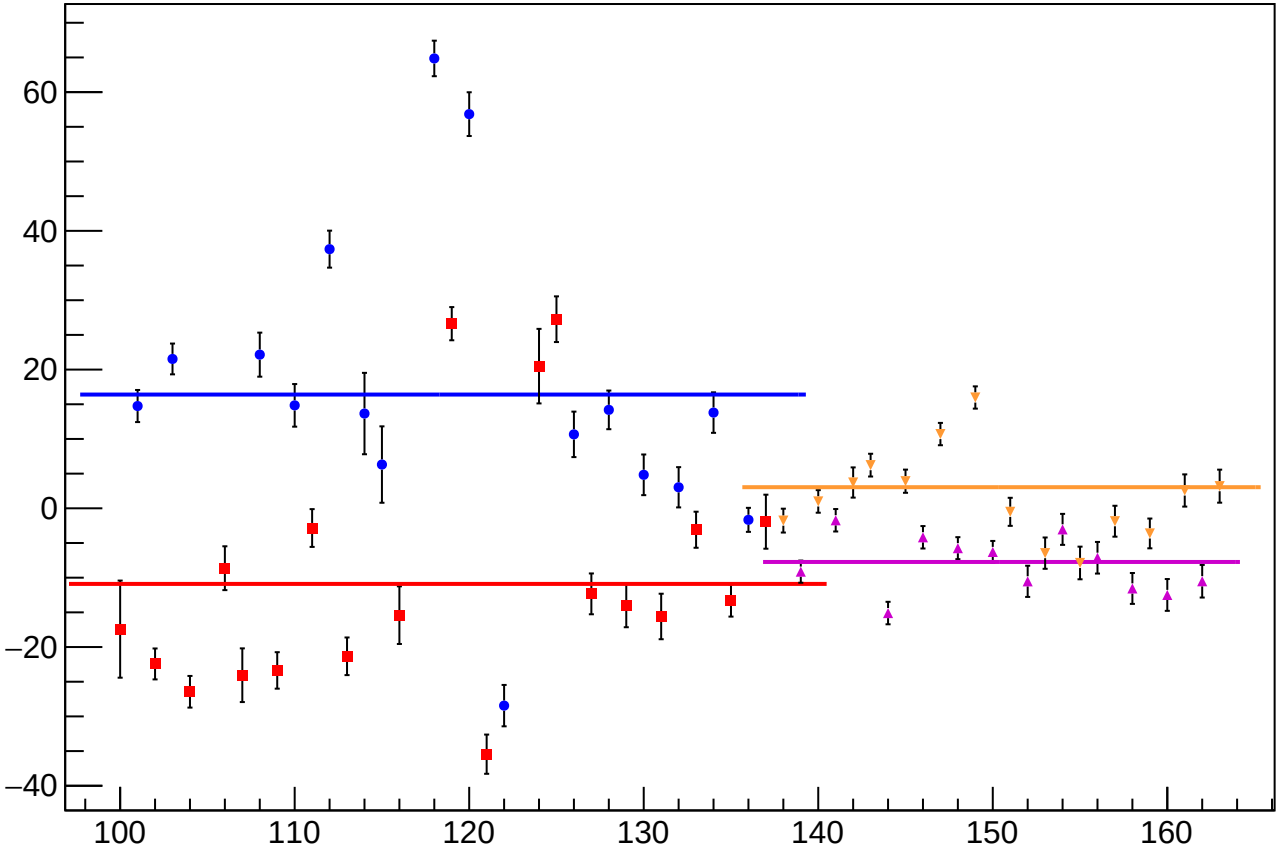
Left In: 1975.817+/-0.443 χ^2/NDF:768055.2/11

+ sign 1894.592+/-0.317 χ^2/NDF: 1008056.7/29

All: 1884.294+/-0.225 χ^2/NDF: 2077598.5/60

- sign 1873.855+/-0.319 χ^2/NDF: 1067411.2/30

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.045+/-0.511 χ^2/NDF:158.0/13

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

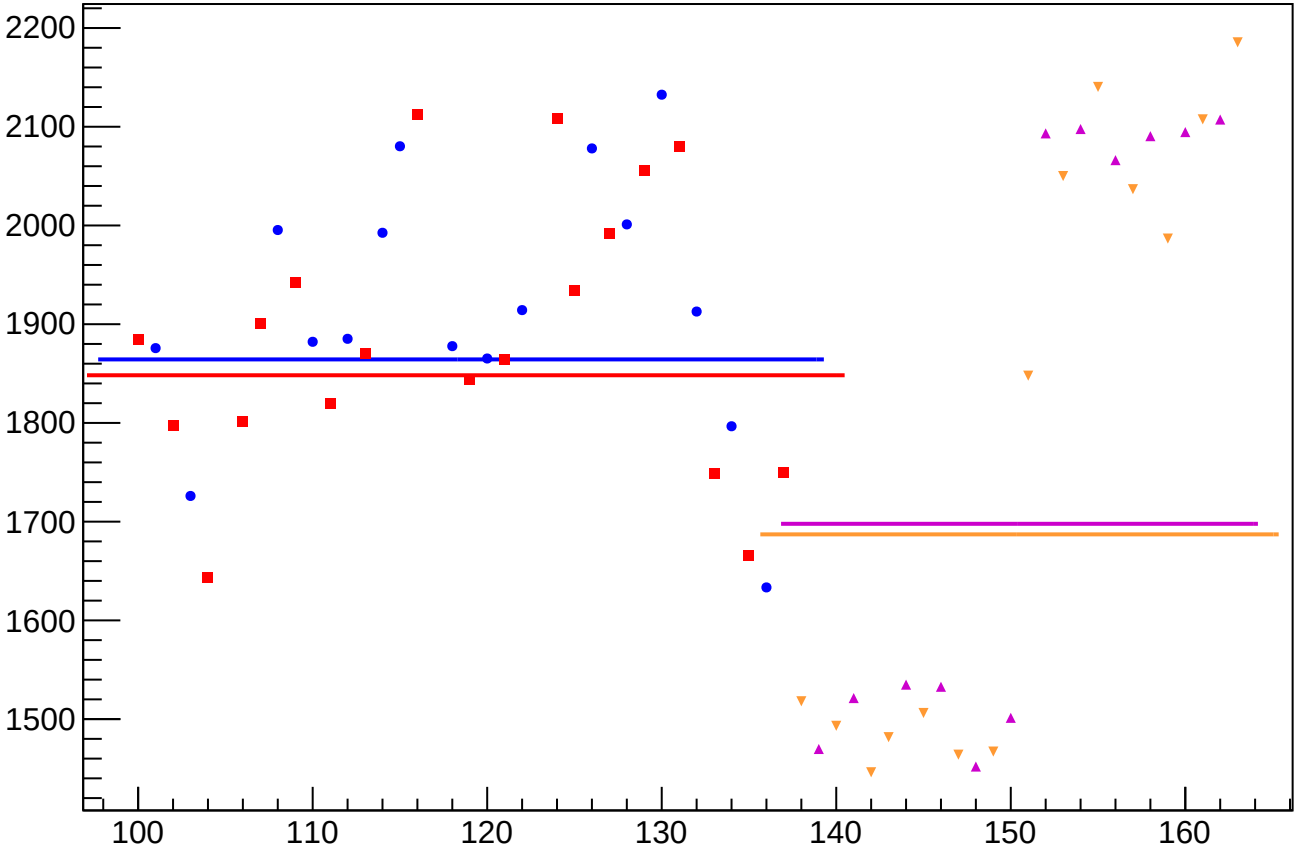
Left In: -7.735+/-0.535 χ^2/NDF:57.1/11

+ sign 7.730+/-0.412 χ^2/NDF: 1370.7/29

All: -0.453+/-0.294 χ^2/NDF: 2888.7/60

- sign -8.953+/-0.420 χ^2/NDF: 712.3/30

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1687.124+/-0.361 χ^2/NDF:582828.6/13

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

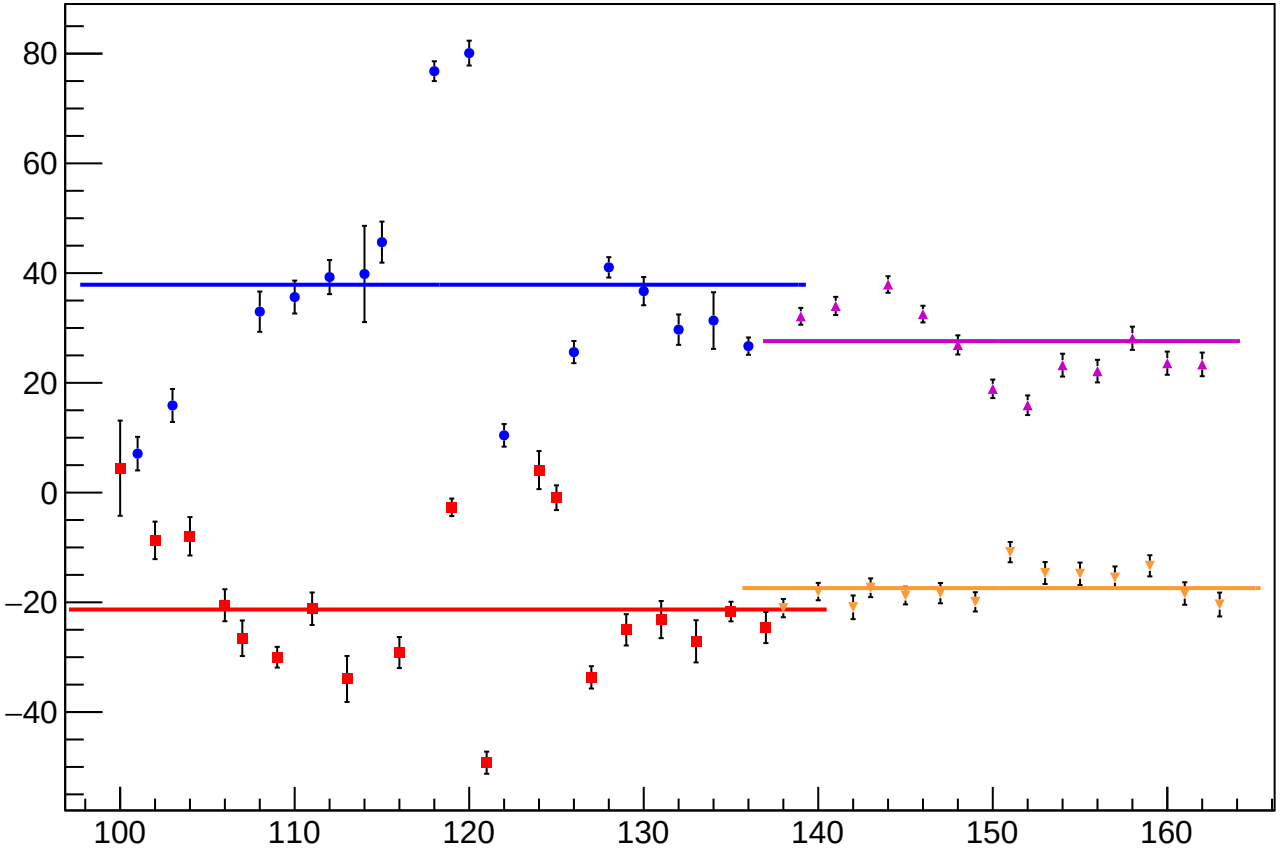
Left In: 1697.822+/-0.378 χ^2/NDF:545137.5/11

+ sign 1749.296+/-0.291 χ^2/NDF: 750557.6/29

All: 1752.452+/-0.208 χ^2/NDF: 1431793.6/60

- sign 1755.730+/-0.297 χ^2/NDF: 680996.3/30

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.408+/-0.496 χ^2/NDF:34.1/13

Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

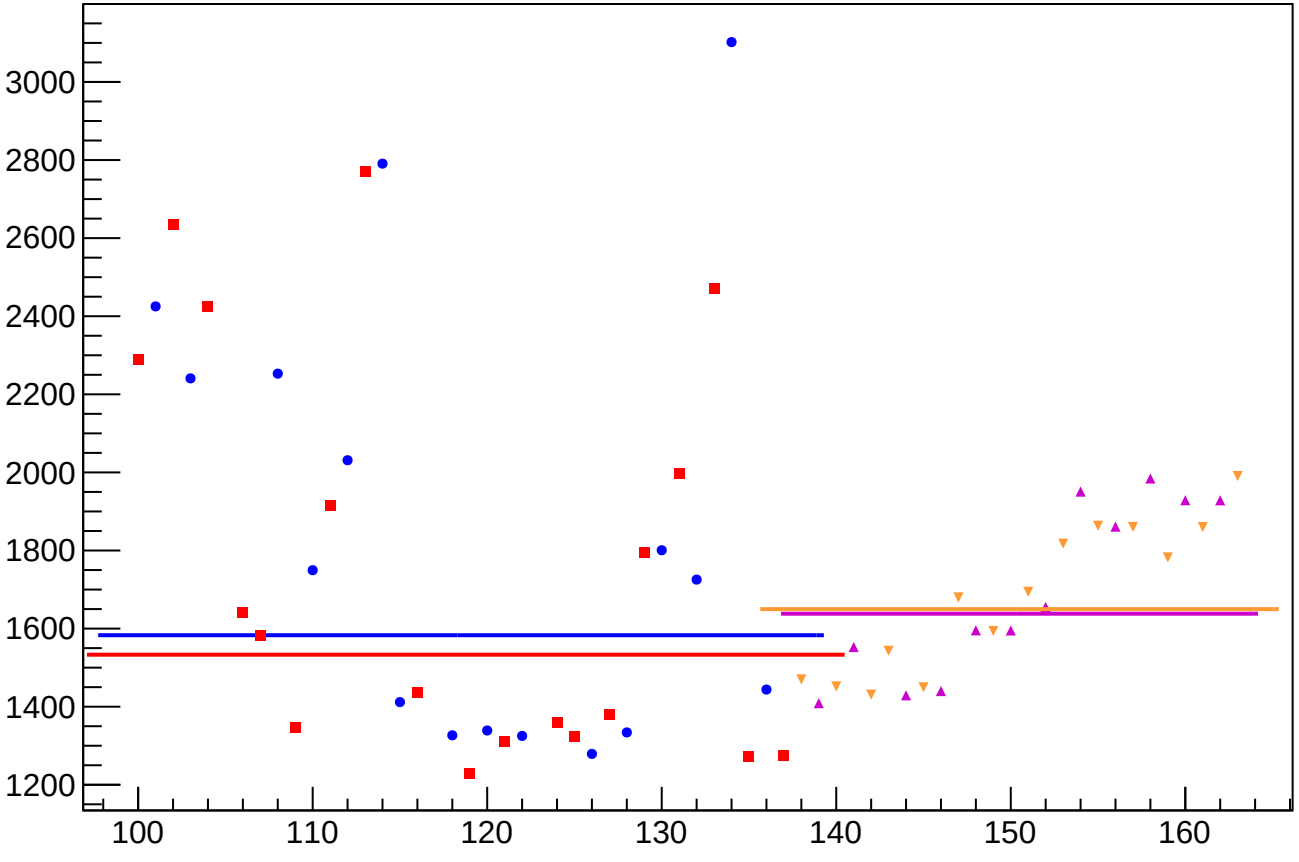
Left In: 27.604+/-0.514 χ^2/NDF:169.4/11

\+ sign 4.090+/-0.388 χ^2/NDF: 6107.2/29

All: 5.348+/-0.275 χ^2/NDF: 10763.7/60

\- sign 6.609+/-0.388 χ^2/NDF: 4635.5/30

diff_bpm0i07X_rms vs Slug



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1649.857+/-0.351 χ^2/NDF:254442.7/13

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

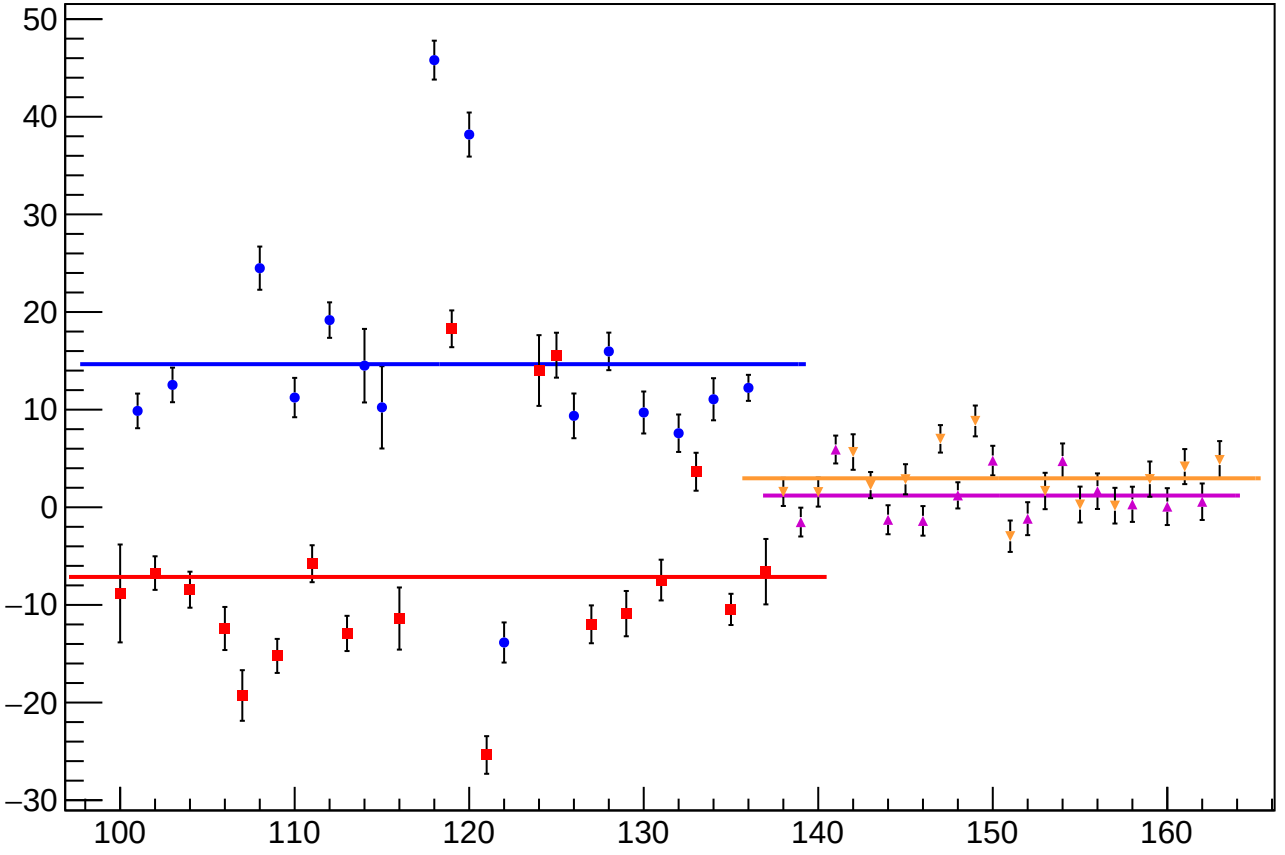
Left In: 1638.173+/-0.364 χ^2/NDF:321239.4/11

+ sign 1623.880+/-0.274 χ^2/NDF: 1056200.0/29

All: 1608.510+/-0.194 χ^2/NDF: 2370282.4/60

- sign 1593.108+/-0.275 χ^2/NDF: 1307801.4/30

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.969+/-0.435 χ^2/NDF:46.4/13

Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

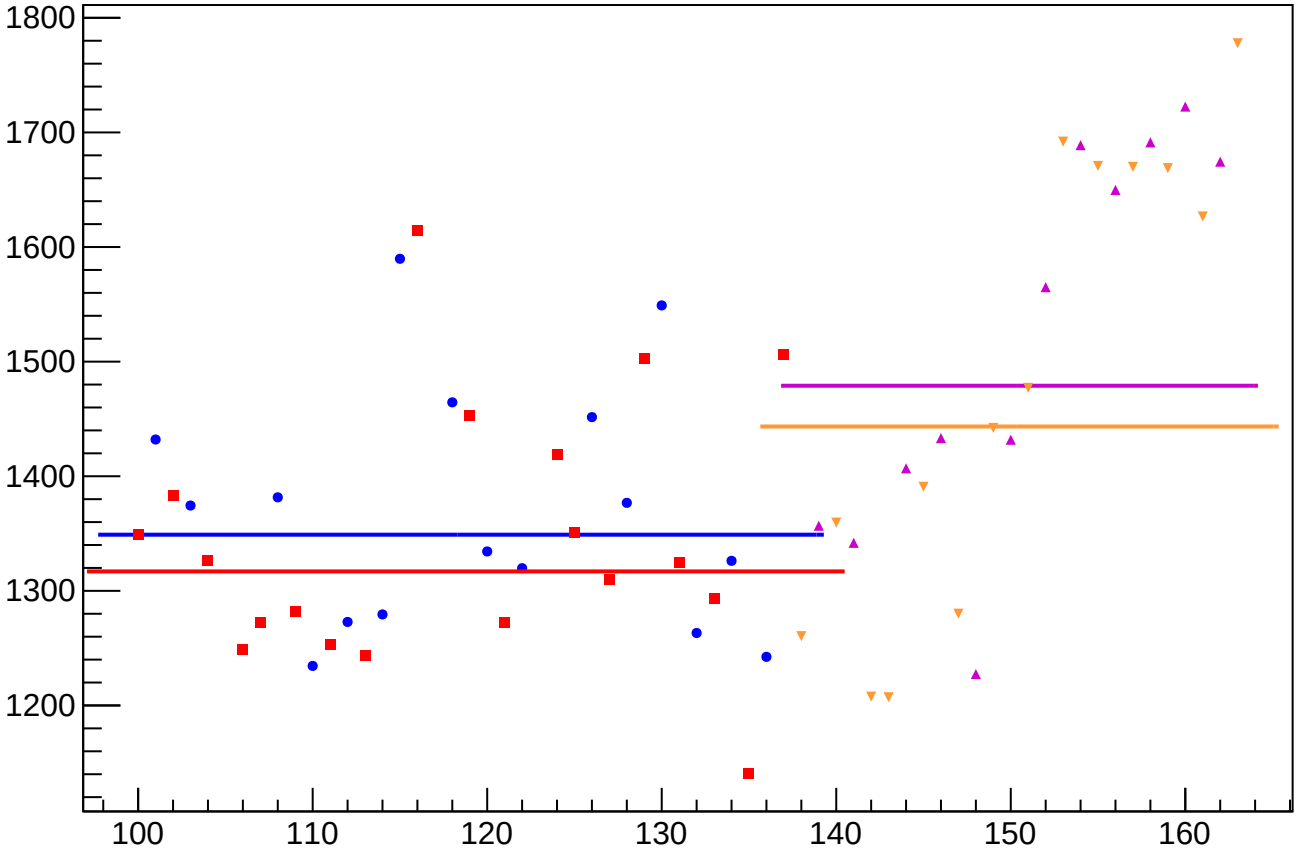
Left In: 1.203+/-0.463 χ^2/NDF:32.2/11

\+ sign 7.958+/-0.330 χ^2/NDF: 968.8/29

All: 2.661+/-0.235 χ^2/NDF: 2189.7/60

\- sign -2.787+/-0.334 χ^2/NDF: 696.9/30

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1443.413+/-0.308 χ^2/NDF:373238.1/13

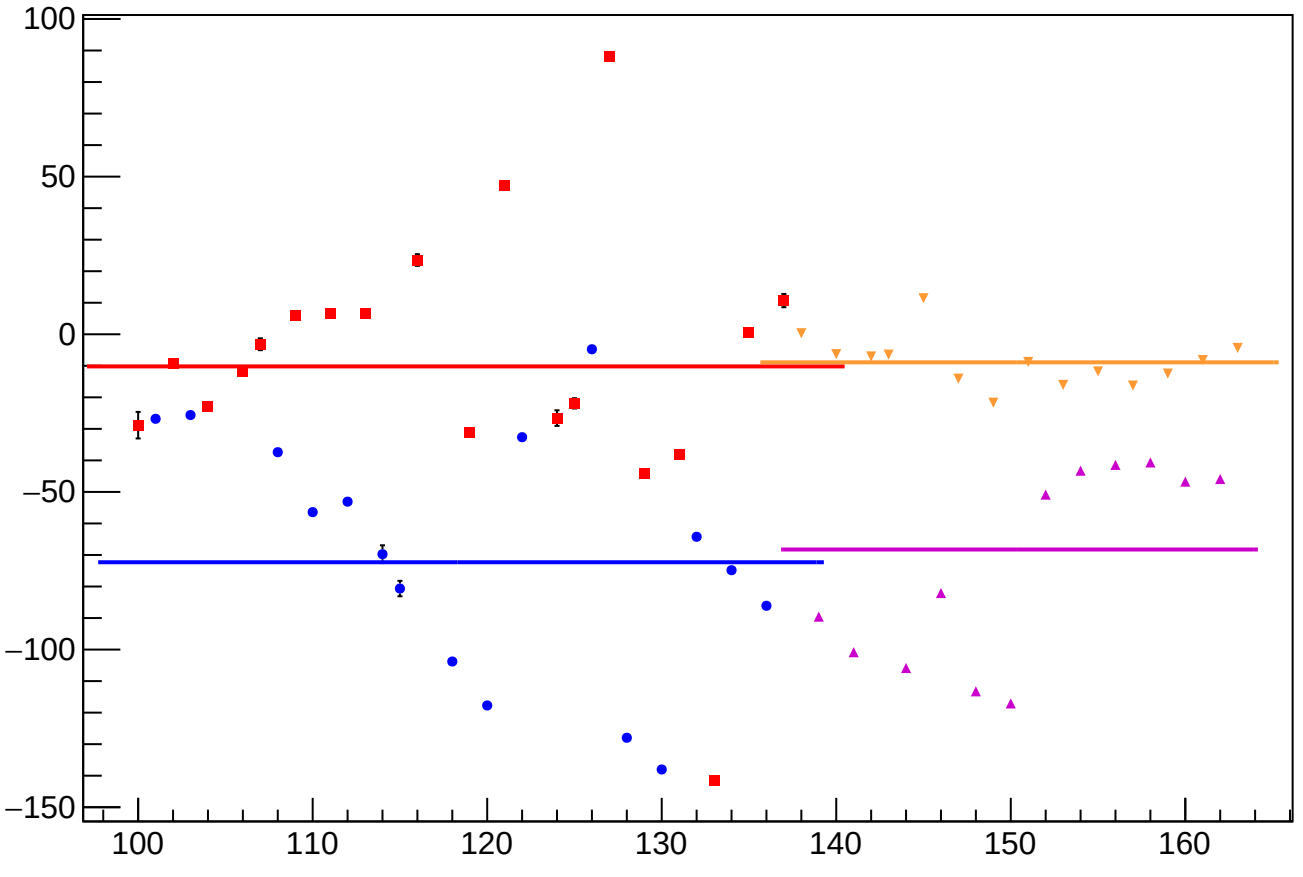
Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1478.976+/-0.327 χ^2/NDF:243987.2/11

+ sign 1403.116+/-0.233 χ^2/NDF: 481769.9/29

All: 1402.291+/-0.166 χ^2/NDF: 929913.4/60

- sign 1401.444+/-0.236 χ^2/NDF: 448118.2/30



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.896+/-0.259 χ^2/NDF:809.7/13

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

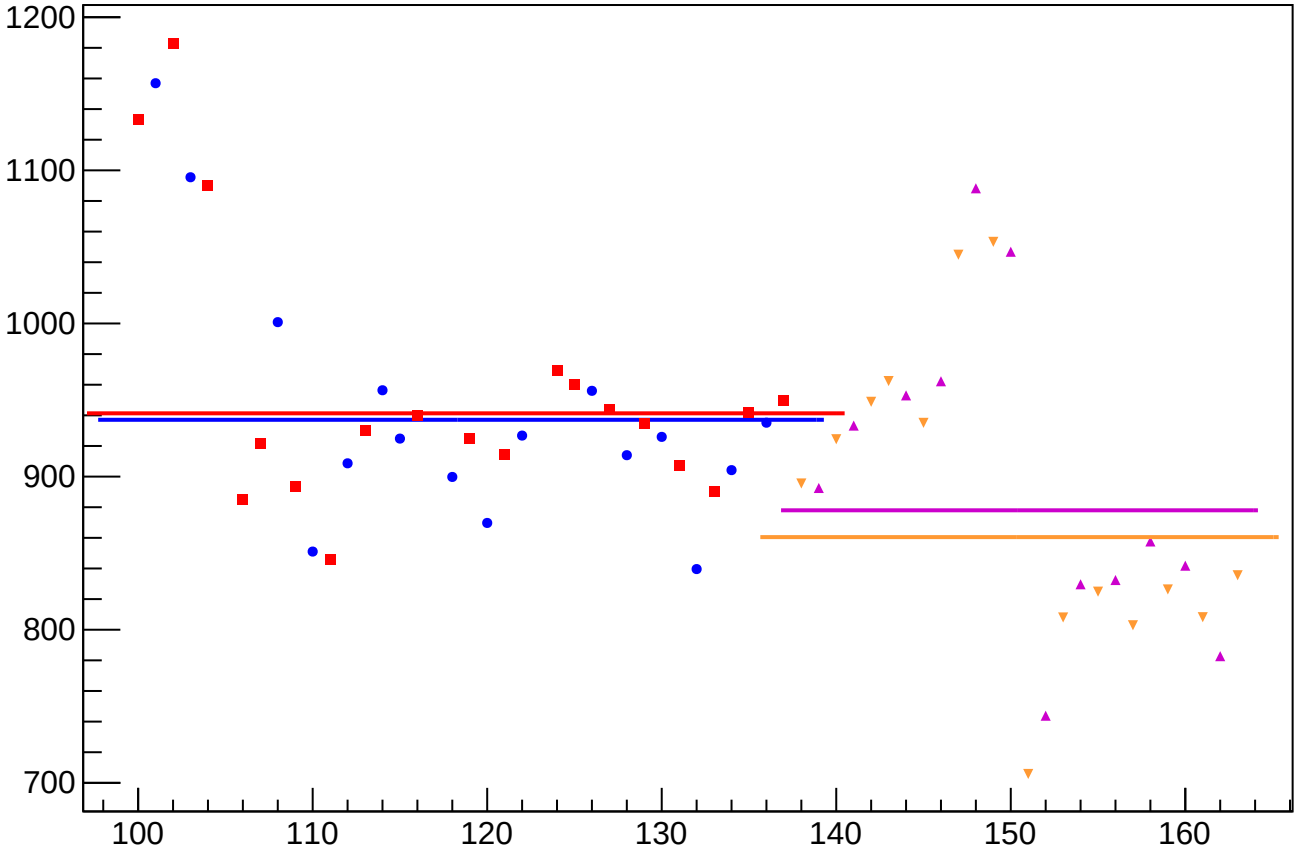
Left In: -68.263+/-0.275 χ^2/NDF:10758.0/11

\+ sign -31.350+/-0.208 χ^2/NDF: 34228.5/29

All: -38.295+/-0.149 χ^2/NDF: 83711.0/60

\- sign -45.701+/-0.215 χ^2/NDF: 47177.7/30

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 860.481+/-0.183 χ^2/NDF:265246.0/13

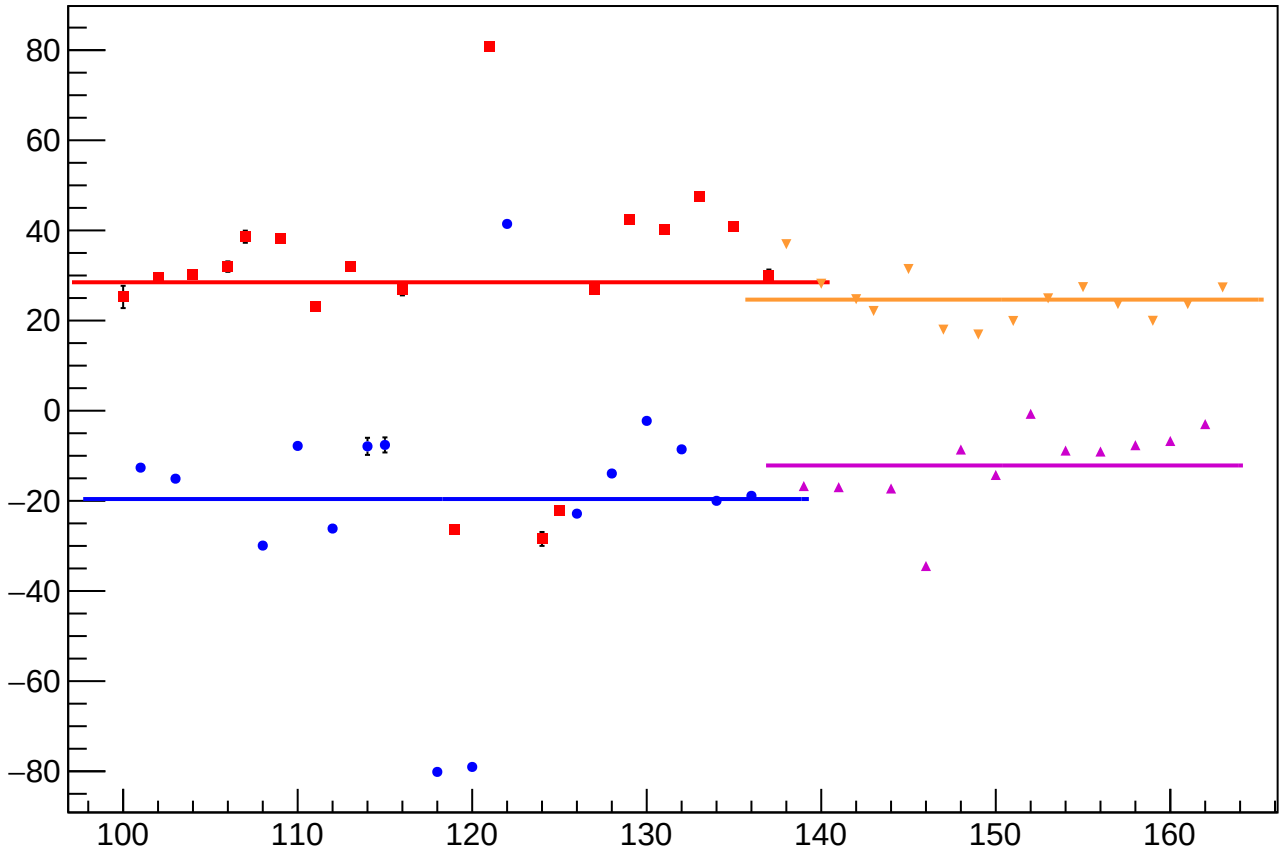
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 877.990+/-0.194 χ^2/NDF:235637.9/11

+ sign 887.612+/-0.147 χ^2/NDF: 432000.0/29

All: 894.862+/-0.106 χ^2/NDF: 815019.0/60

- sign 902.595+/-0.152 χ^2/NDF: 377994.6/30



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.648+/-0.200 χ^2/NDF:724.5/13

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

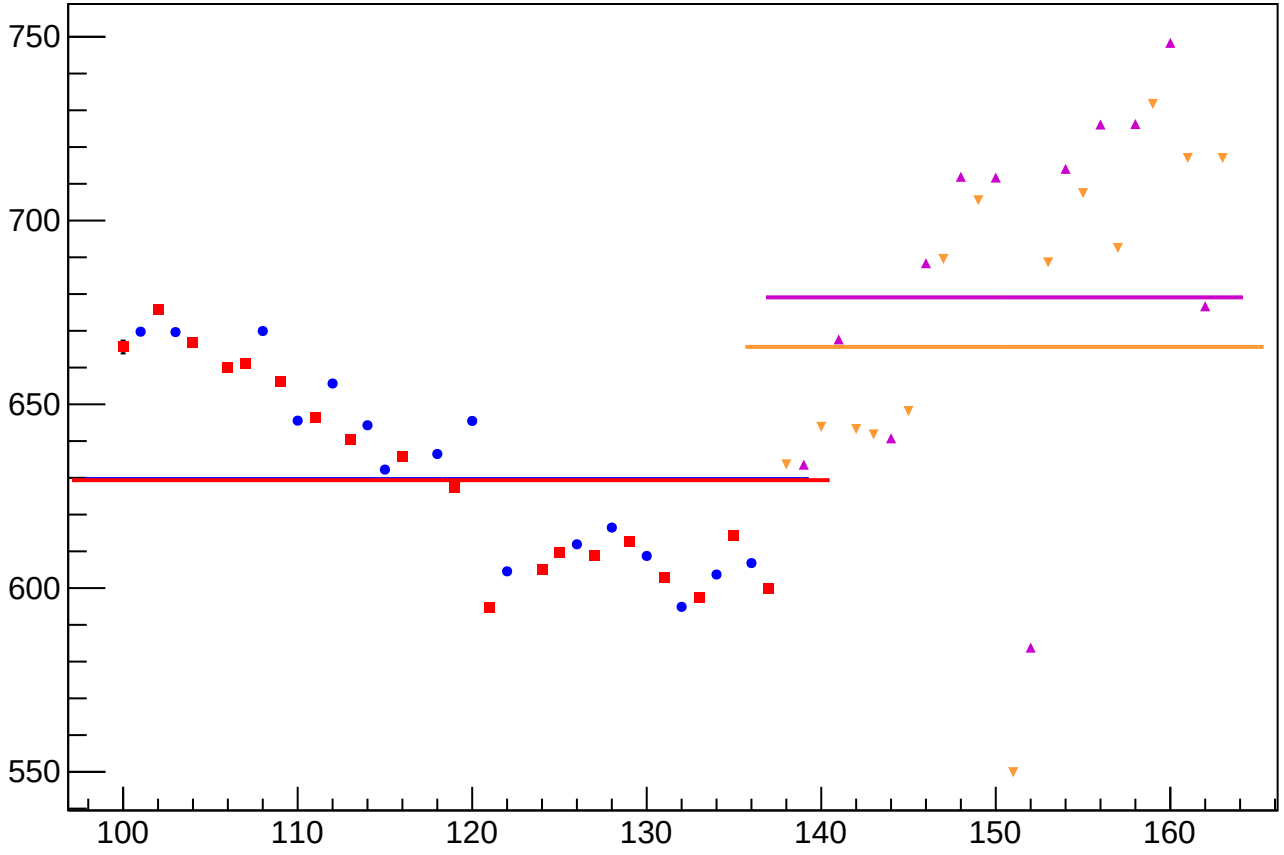
Left In: -12.150+/-0.212 χ^2/NDF:1708.7/11

+ sign 6.008+/-0.152 χ^2/NDF: 34574.7/29

All: 6.267+/-0.109 χ^2/NDF: 66179.0/60

- sign 6.539+/-0.156 χ^2/NDF: 31598.5/30

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 665.621+/-0.141 χ^2/NDF:133613.5/13

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

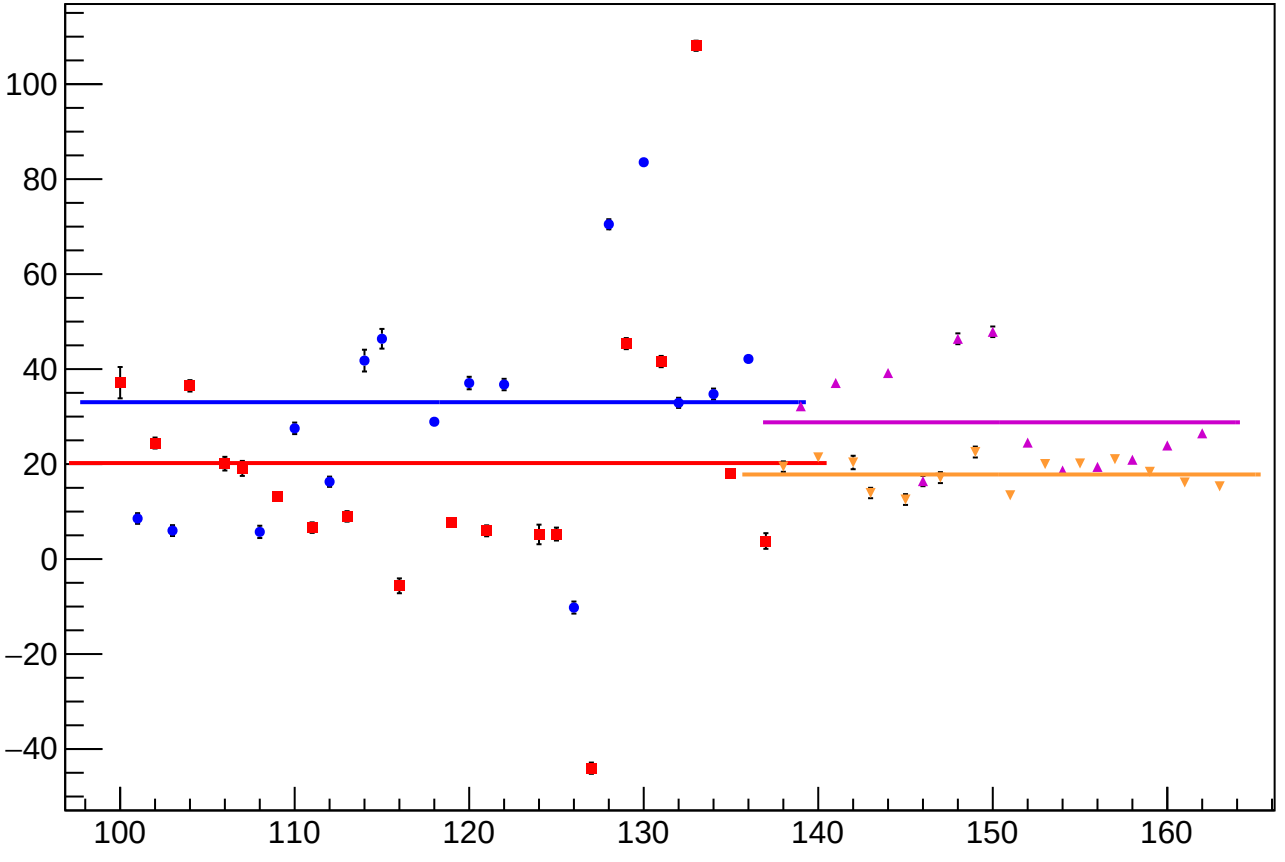
Left In: 679.104+/-0.150 χ^2/NDF:101260.9/11

+ sign 650.471+/-0.107 χ^2/NDF: 186251.7/29

All: 653.280+/-0.077 χ^2/NDF: 366384.5/60

- sign 656.233+/-0.110 χ^2/NDF: 178730.3/30

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.811+/-0.284 χ^2/NDF:122.7/13

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

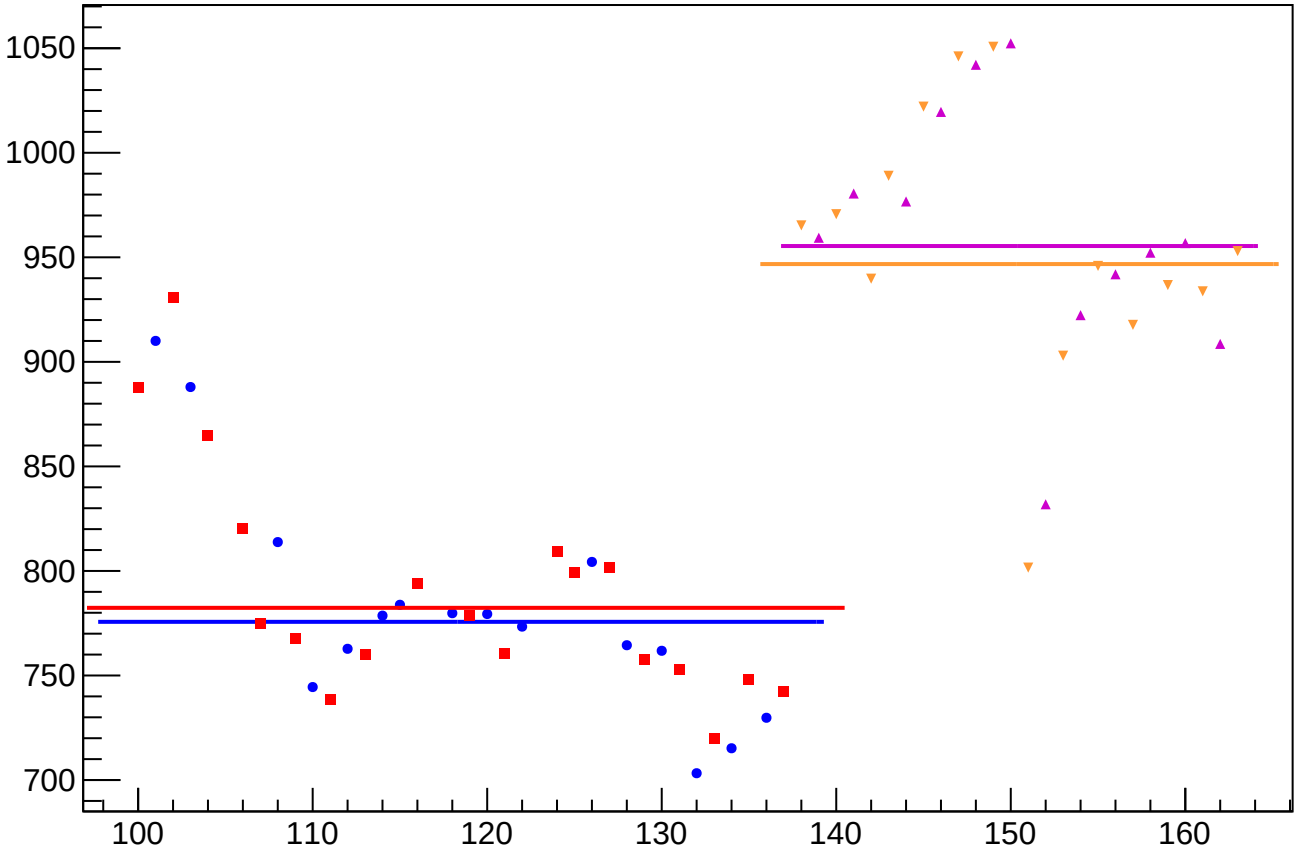
Left In: 28.794+/-0.298 χ^2/NDF:1137.6/11

\+ sign 25.281+/-0.202 χ^2/NDF: 8236.6/29

All: 24.815+/-0.144 χ^2/NDF: 21686.6/60

\- sign 24.332+/-0.206 χ^2/NDF: 13439.2/30

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 946.770+/-0.201 χ^2/NDF:106175.3/13

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

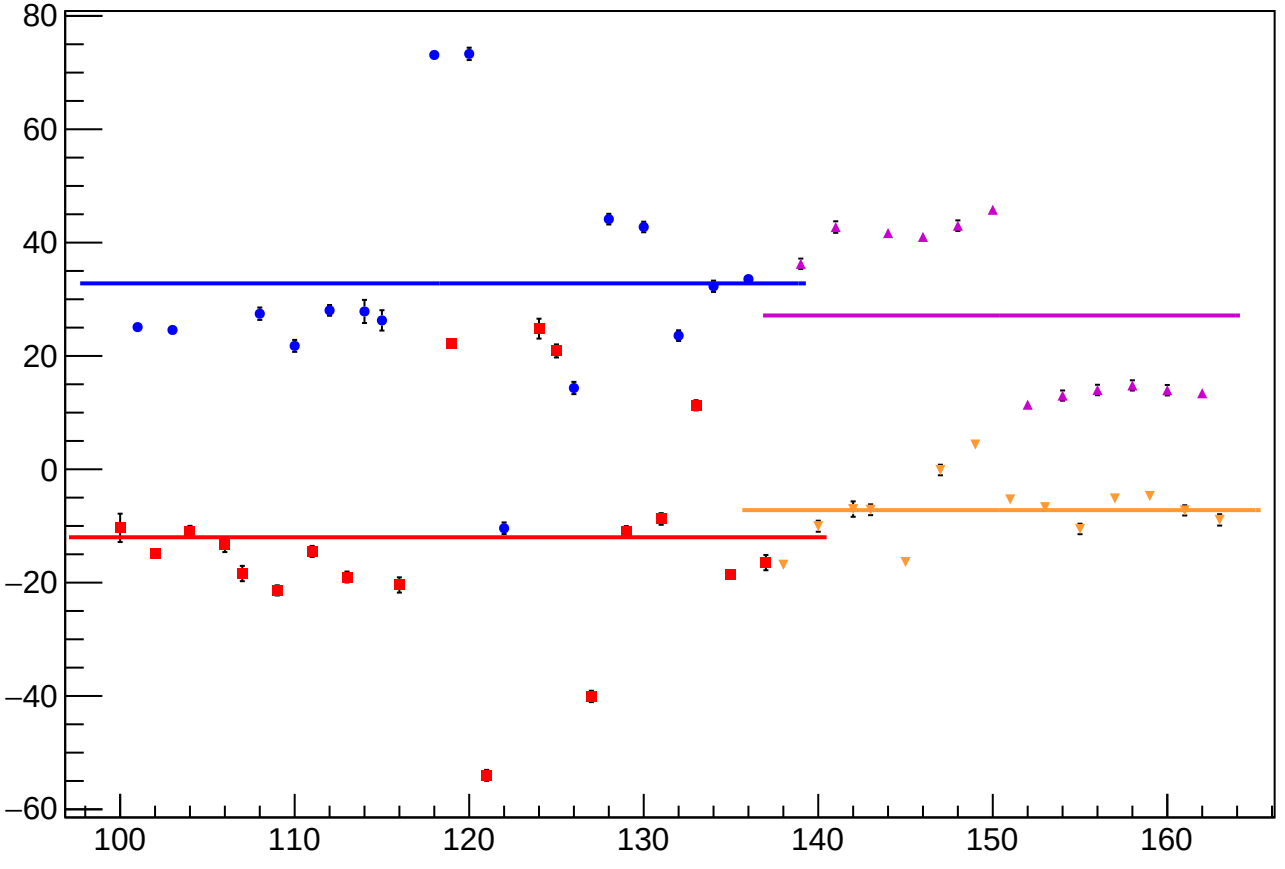
Left In: 955.399+/-0.211 χ^2/NDF:80825.7/11

+ sign 862.806+/-0.143 χ^2/NDF: 538113.3/29

All: 864.077+/-0.102 χ^2/NDF: 1035107.0/60

- sign 865.396+/-0.146 χ^2/NDF: 496833.0/30

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.207+/-0.242 χ^2/NDF:502.8/13

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

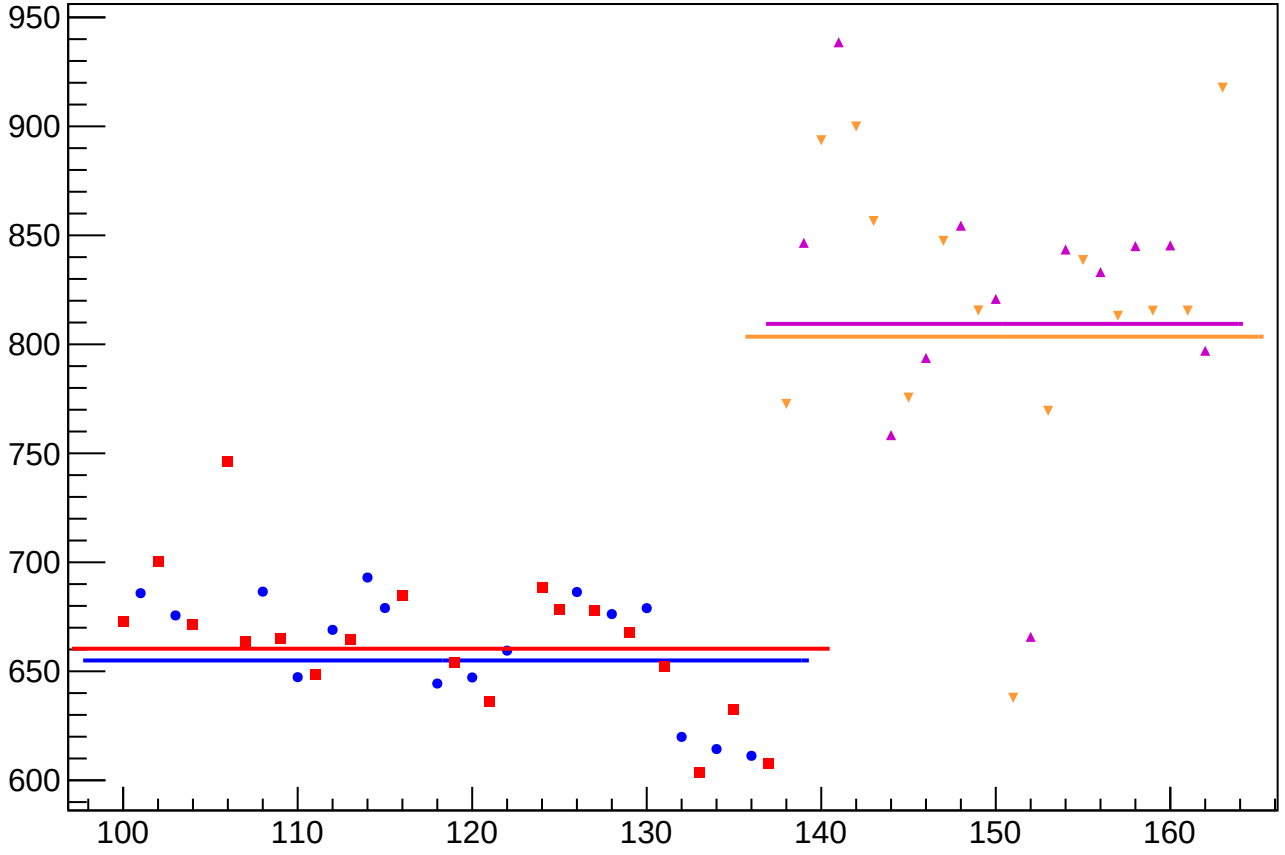
Left In: 27.141+/-0.254 χ^2/NDF:3234.0/11

+ sign 12.646+/-0.172 χ^2/NDF: 20362.4/29

All: 9.676+/-0.122 χ^2/NDF: 43278.5/60

- sign 6.594+/-0.175 χ^2/NDF: 22305.2/30

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 803.506+/-0.171 χ^2/NDF:189644.1/13

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

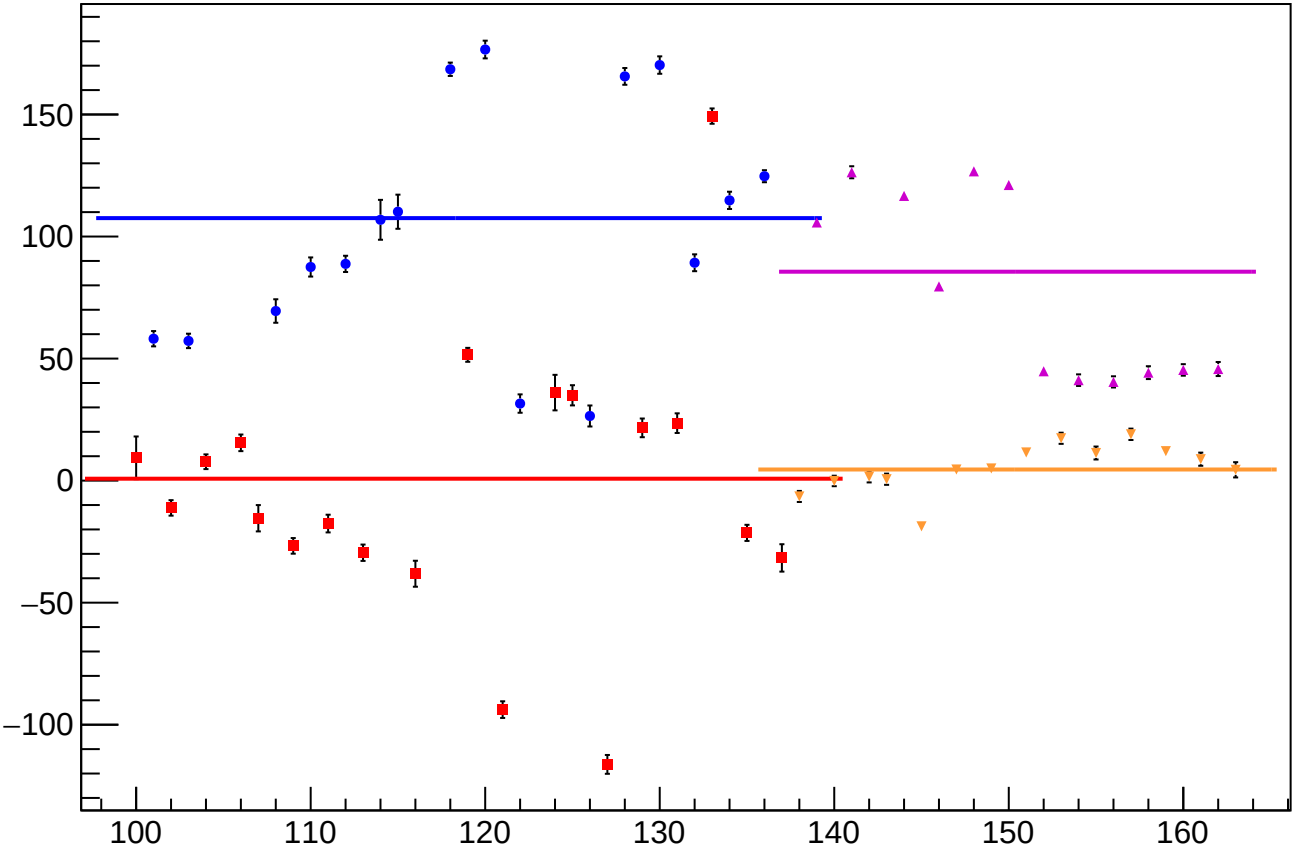
Left In: 809.384+/-0.179 χ^2/NDF:138865.2/11

+ sign 729.804+/-0.121 χ^2/NDF: 591273.8/29

All: 730.460+/-0.087 χ^2/NDF: 1123496.9/60

- sign 731.141+/-0.124 χ^2/NDF: 532163.5/30

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.559+/-0.579 χ^2/NDF:279.2/13

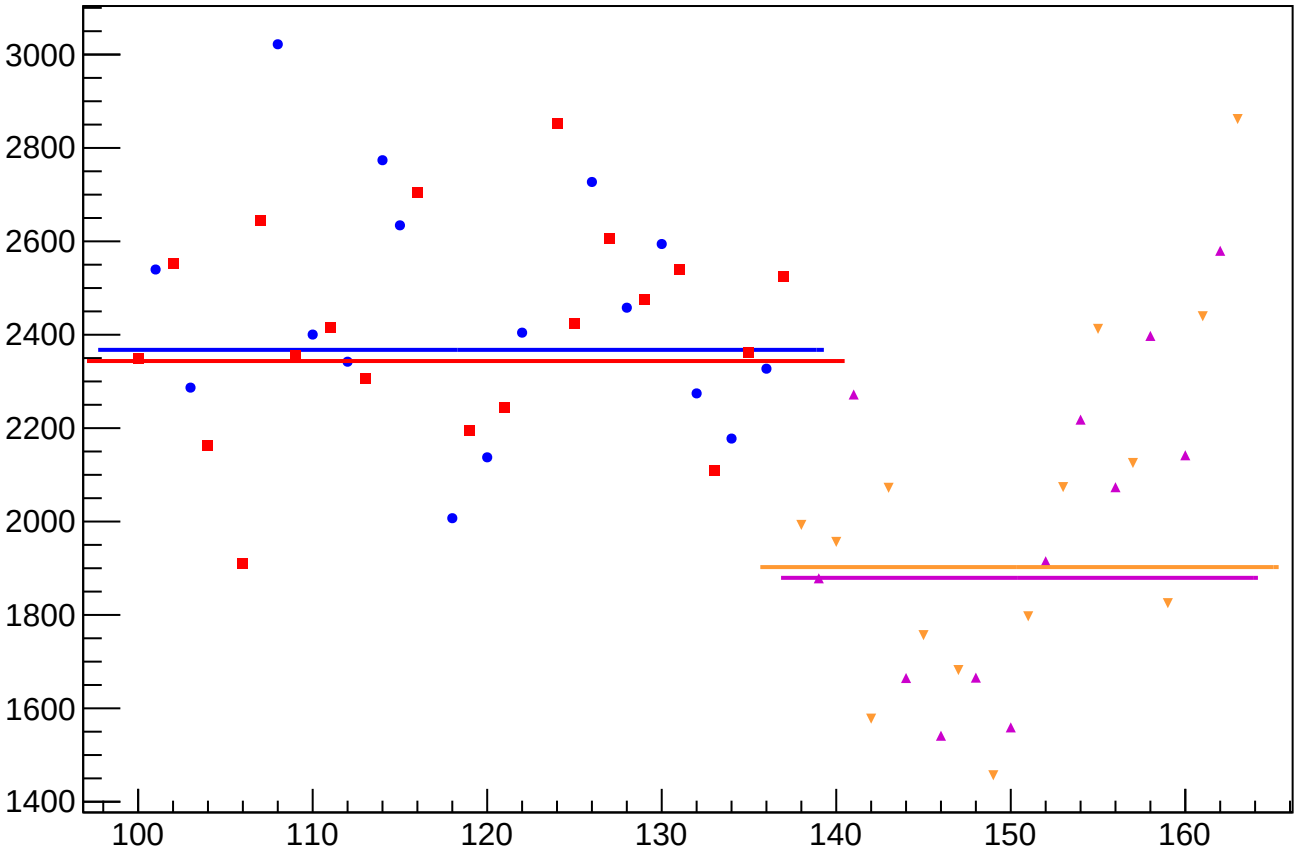
Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: 85.593+/-0.597 χ^2/NDF:3502.0/11

+ sign 35.397+/-0.484 χ^2/NDF: 12715.2/29

All: 46.567+/-0.345 χ^2/NDF: 28609.1/60

- sign 58.029+/-0.491 χ^2/NDF: 14816.8/30



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1902.459+/-0.409 χ^2/NDF:627370.4/13

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

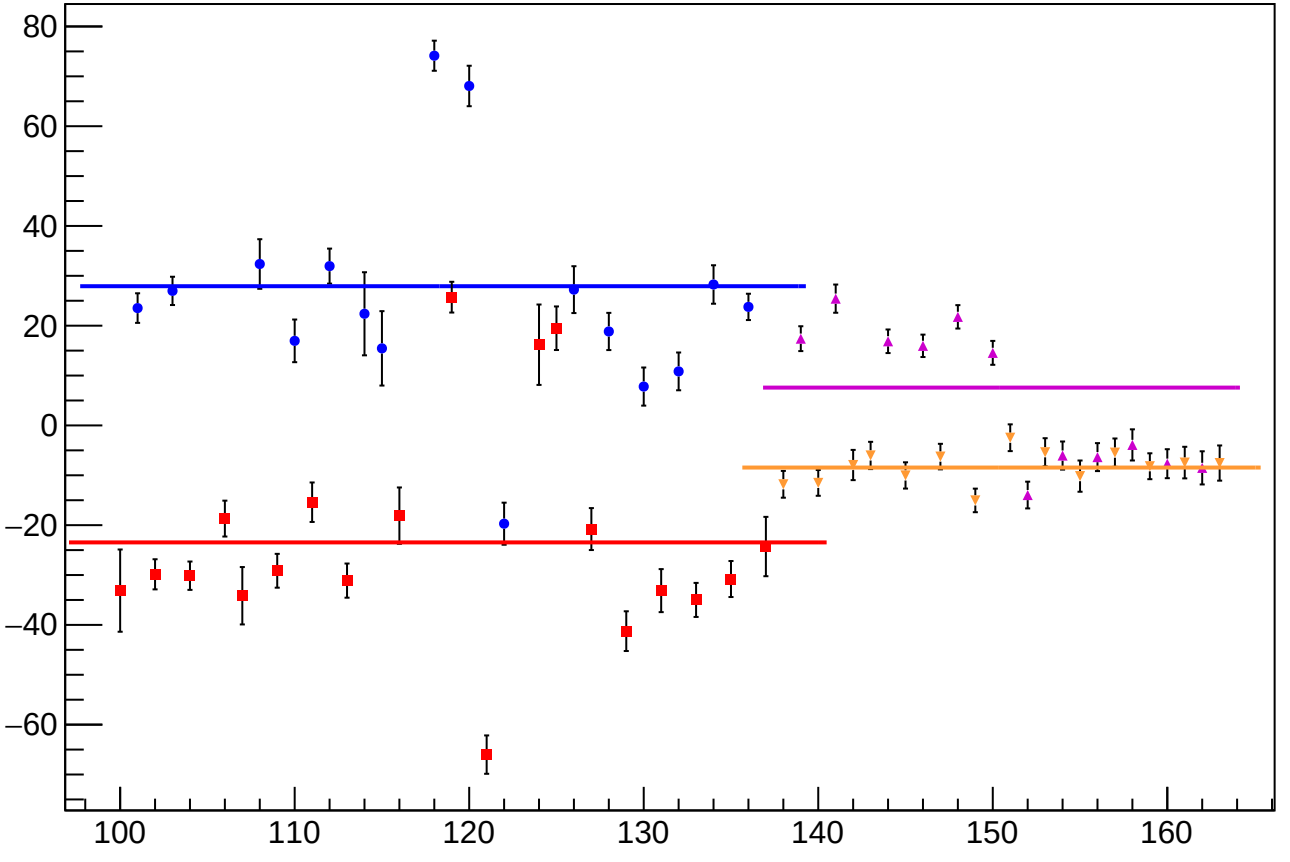
Left In: 1879.438+/-0.422 χ^2/NDF:544718.2/11

+ sign 2041.746+/-0.343 χ^2/NDF: 1140942.2/29

All: 2036.115+/-0.244 χ^2/NDF: 2191149.9/60

- sign 2030.337+/-0.347 χ^2/NDF: 1049660.3/30

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.447+/-0.740 χ^2/NDF:20.4/13

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

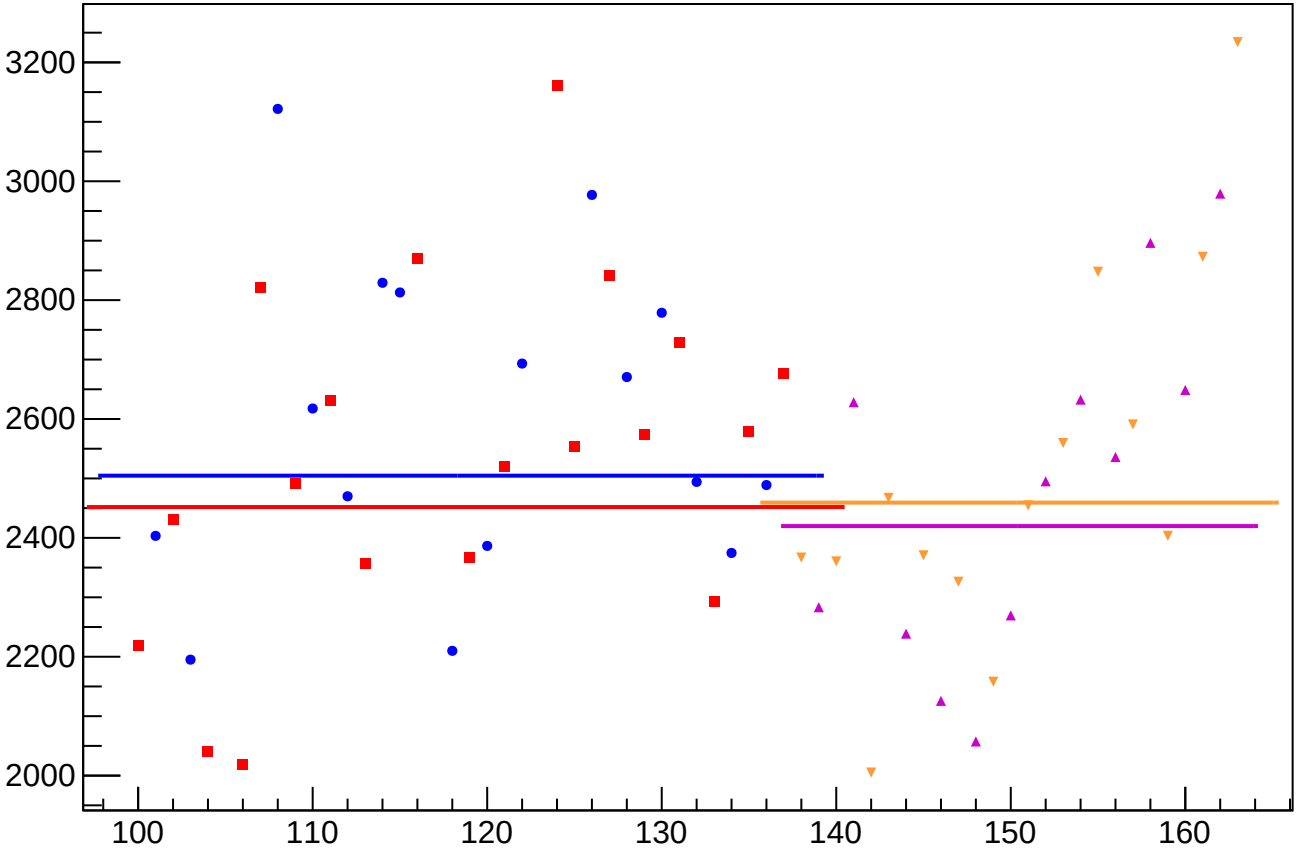
Left In: 7.583+/-0.762 χ^2/NDF:306.8/11

+ sign 5.528+/-0.581 χ^2/NDF: 1478.8/29

All: 0.112+/-0.411 χ^2/NDF: 3218.4/60

- sign -5.333+/-0.582 χ^2/NDF: 1565.2/30

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2459.344+/-0.523 χ^2/NDF:259420.4/13

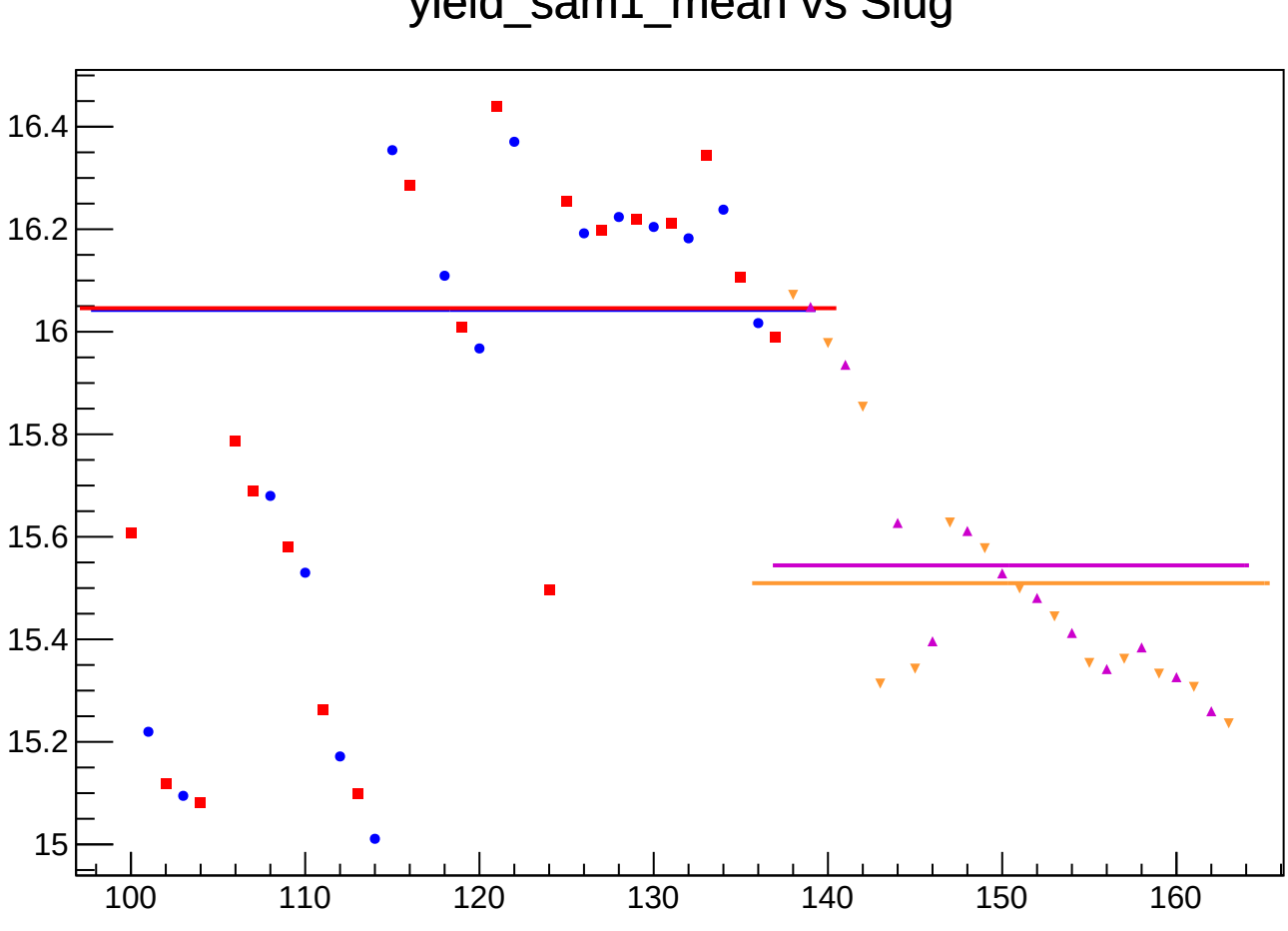
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2419.845+/-0.539 χ^2/NDF:250402.3/11

+ sign 2476.758+/-0.411 χ^2/NDF: 388900.3/29

All: 2455.023+/-0.291 χ^2/NDF: 799628.0/60

- sign 2433.175+/-0.412 χ^2/NDF: 405110.3/30



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.510+/-0.000 χ^2/NDF:6707420753.8/13

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

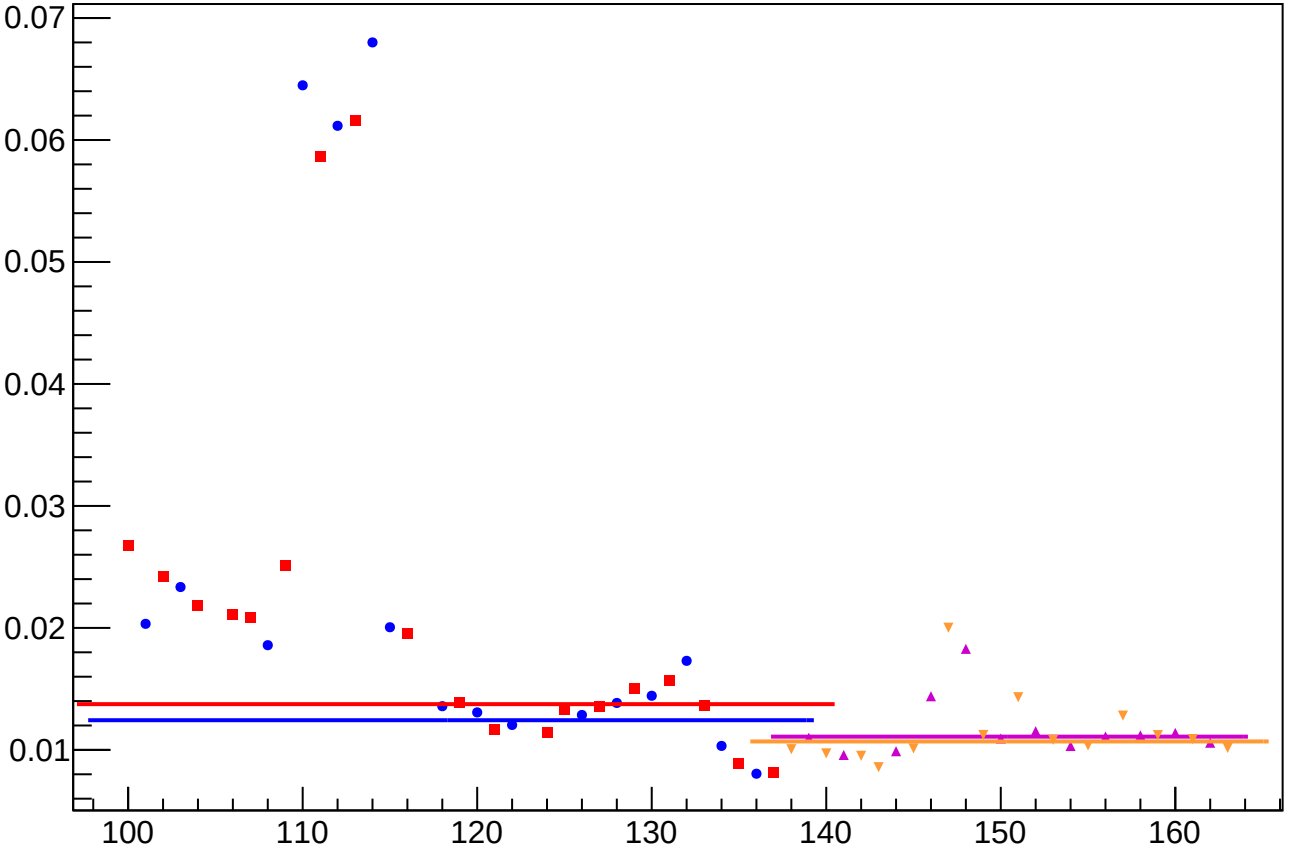
Left In: 15.544+/-0.000 χ^2/NDF:4679067613.0/11

+ sign 15.660+/-0.000 χ^2/NDF: 16804414037.5/29

All: 15.671+/-0.000 χ^2/NDF: 30534472712.5

- sign 15.684+/-0.000 χ^2/NDF: 13698194269.4/30

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:635304.0/13

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

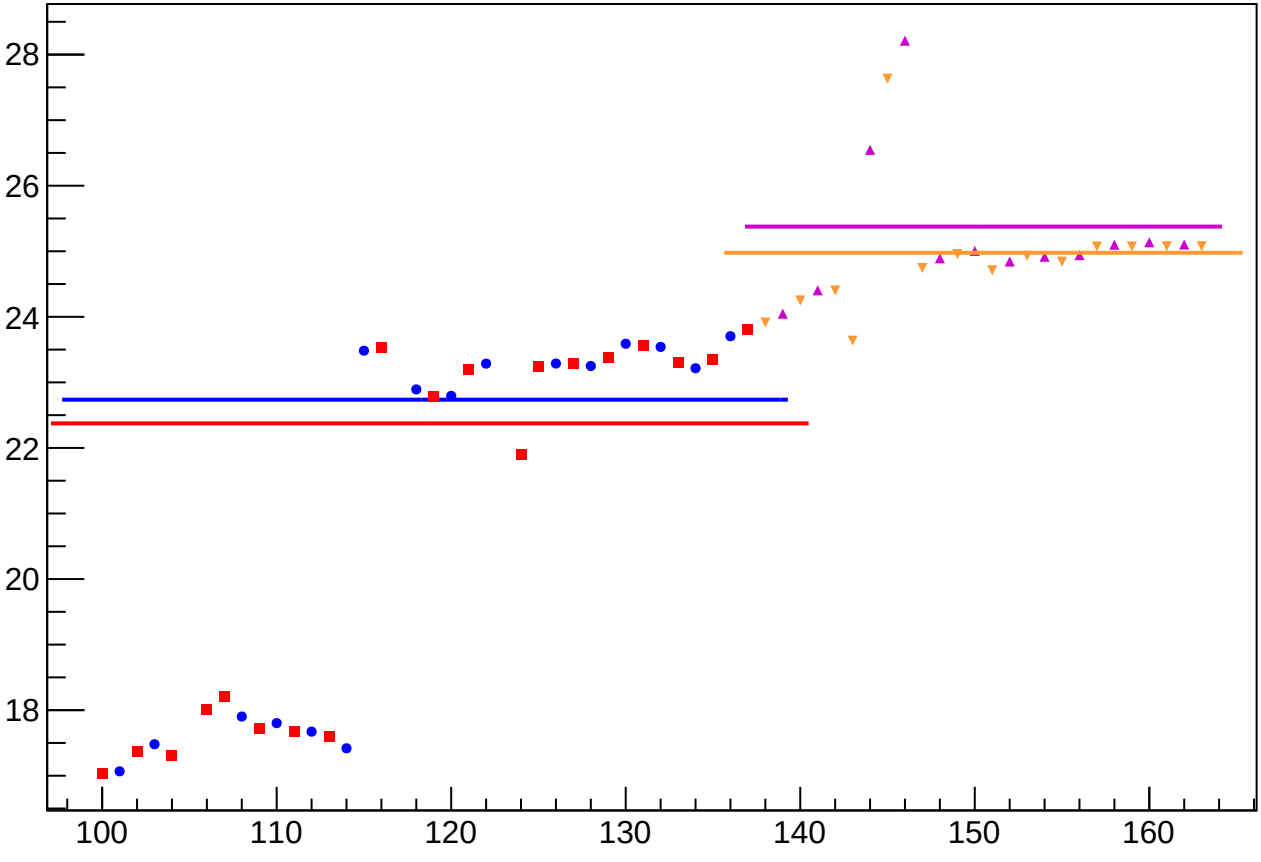
Left In: 0.011+/-0.000 χ^2/NDF:412790.7/11

+ sign 0.011+/-0.000 χ^2/NDF: 3106990.4/29

All: 0.011+/-0.000 χ^2/NDF: 6106819.2/60

- sign 0.012+/-0.000 χ^2/NDF: 2951711.0/30

yield_sam2_mean vs Slug



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.977+/-0.000 χ^2/NDF:765849510.7/13

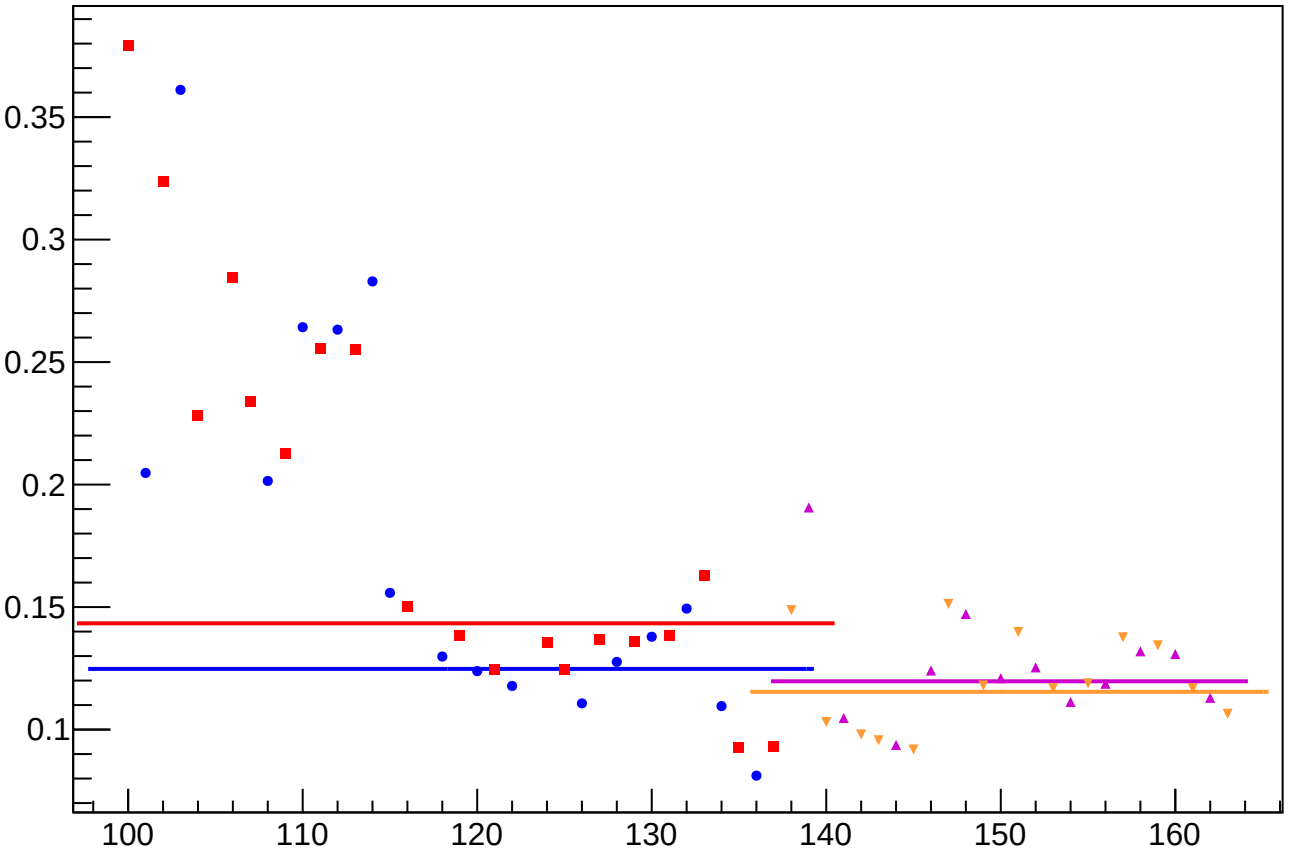
Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.376+/-0.000 χ^2/NDF:687070509.2/11

+ sign 24.244+/-0.000 χ^2/NDF: 3147564302.0/29

All: 24.333+/-0.000 χ^2/NDF: 6799955555.9/6

- sign 24.439+/-0.000 χ^2/NDF: 3634085900.1/30



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:465135.9/13

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

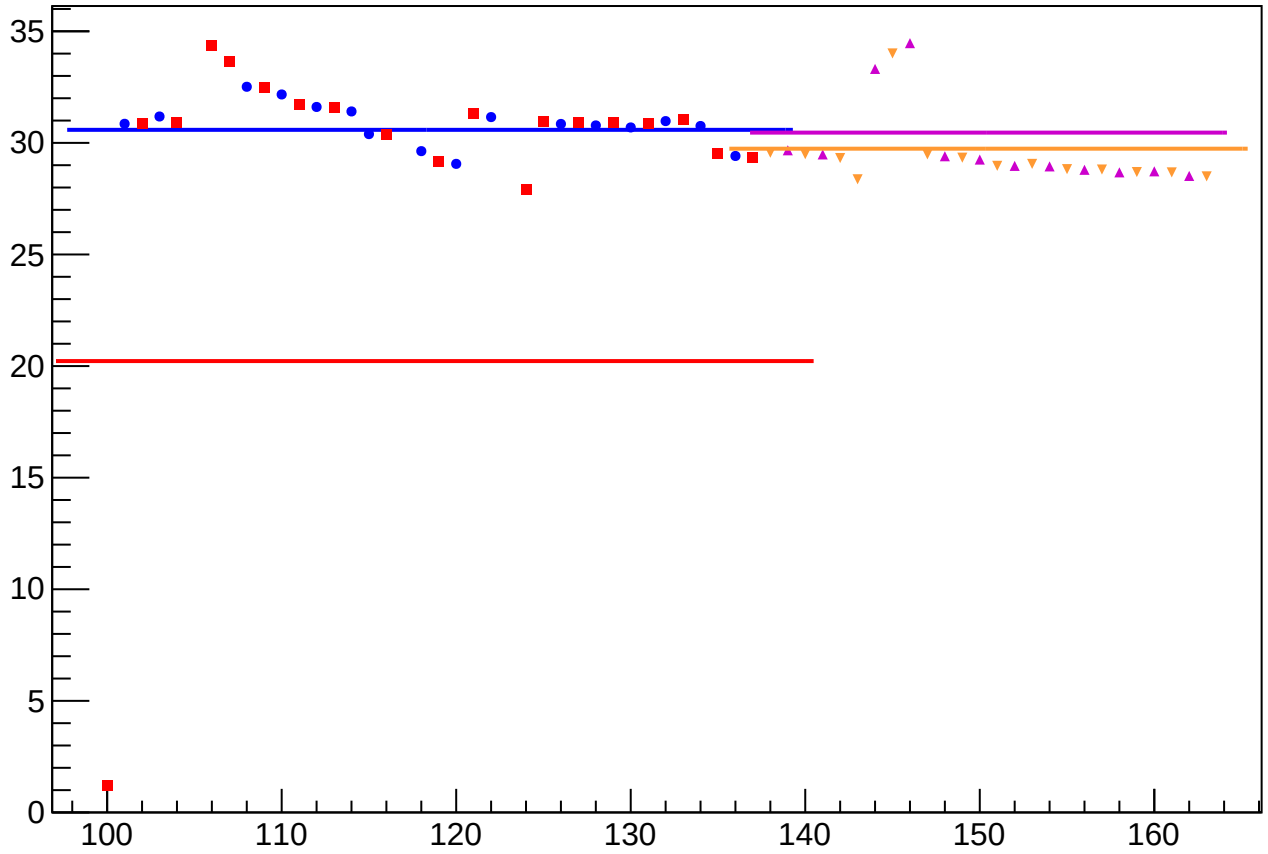
Left In: 0.120+/-0.000 χ^2/NDF:472371.7/11

+ sign 0.118+/-0.000 χ^2/NDF: 2255307.6/29

All: 0.122+/-0.000 χ^2/NDF: 4584860.4/60

- sign 0.127+/-0.000 χ^2/NDF: 2257806.0/30

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.740+/-0.000 χ^2/NDF:6272633919.5/13

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

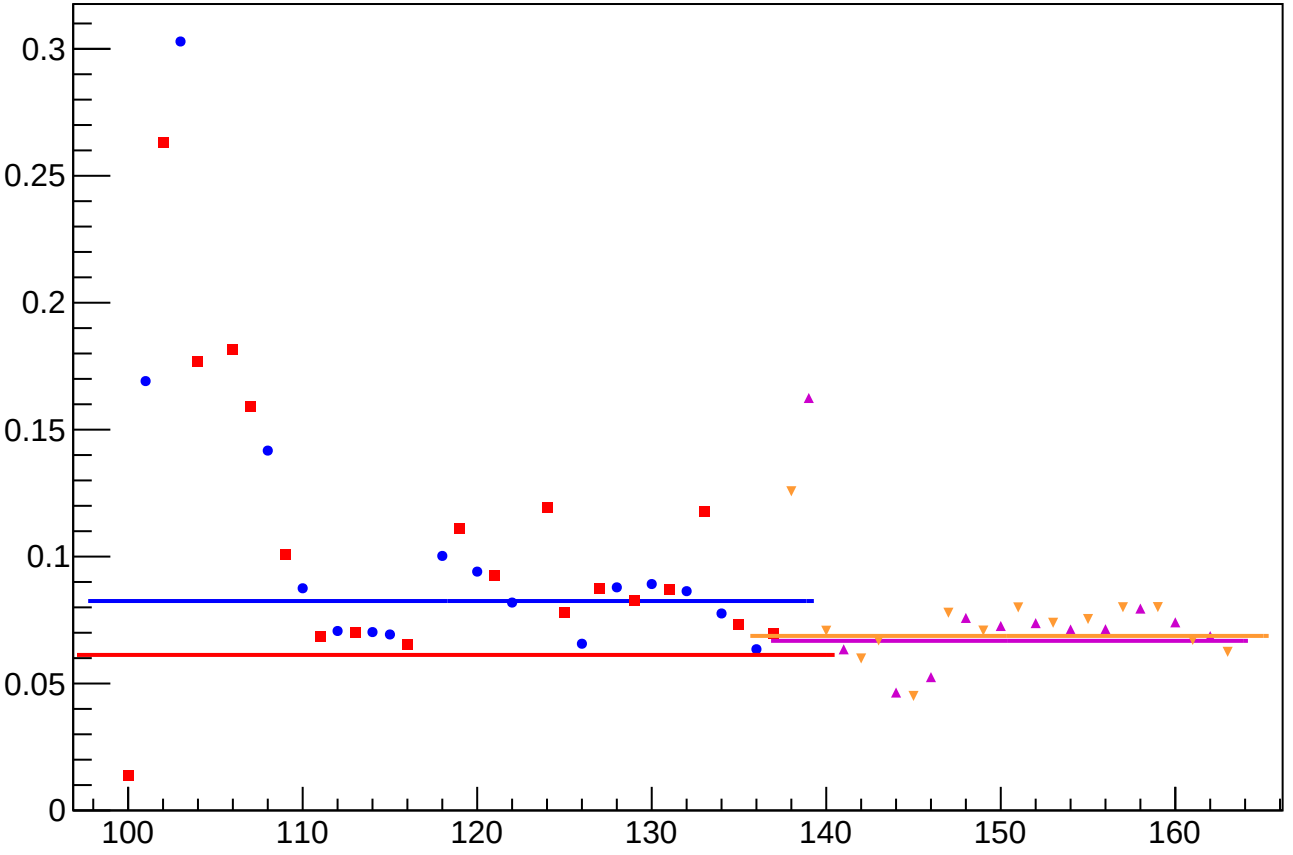
Left In: 30.460+/-0.000 χ^2/NDF:8883709480.2/11

+ sign 29.995+/-0.000 χ^2/NDF: 7310004715.4/29

All: 28.166+/-0.000 χ^2/NDF: 323742888340.

- sign 26.505+/-0.000 χ^2/NDF: 300107662197.3/30

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:729256.2/13

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

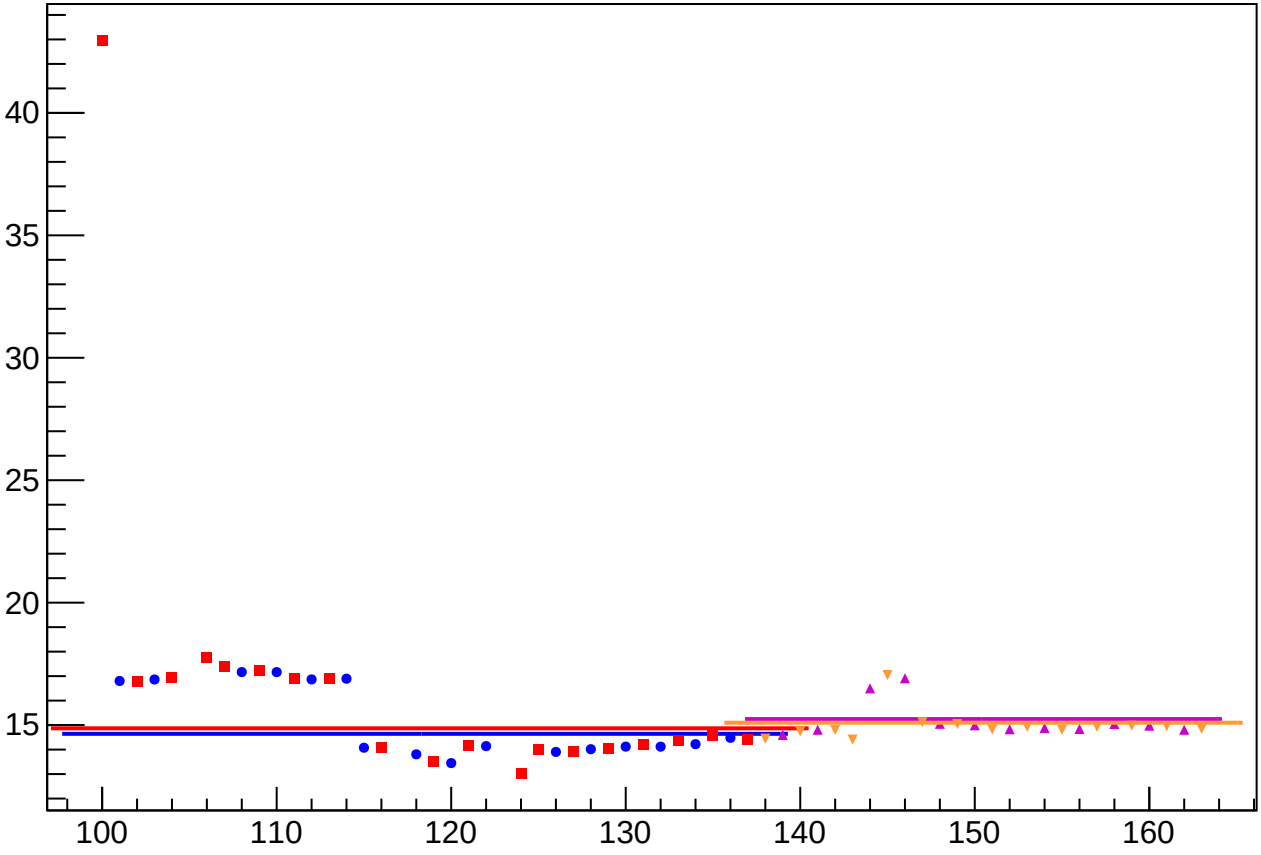
Left In: 0.067+/-0.000 χ^2/NDF:1012753.0/11

+ sign 0.073+/-0.000 χ^2/NDF: 2194610.2/29

All: 0.069+/-0.000 χ^2/NDF: 7445030.7/60

- sign 0.065+/-0.000 χ^2/NDF: 5068160.6/30

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.098+/-0.000 χ^2/NDF:1015596648.1/13

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

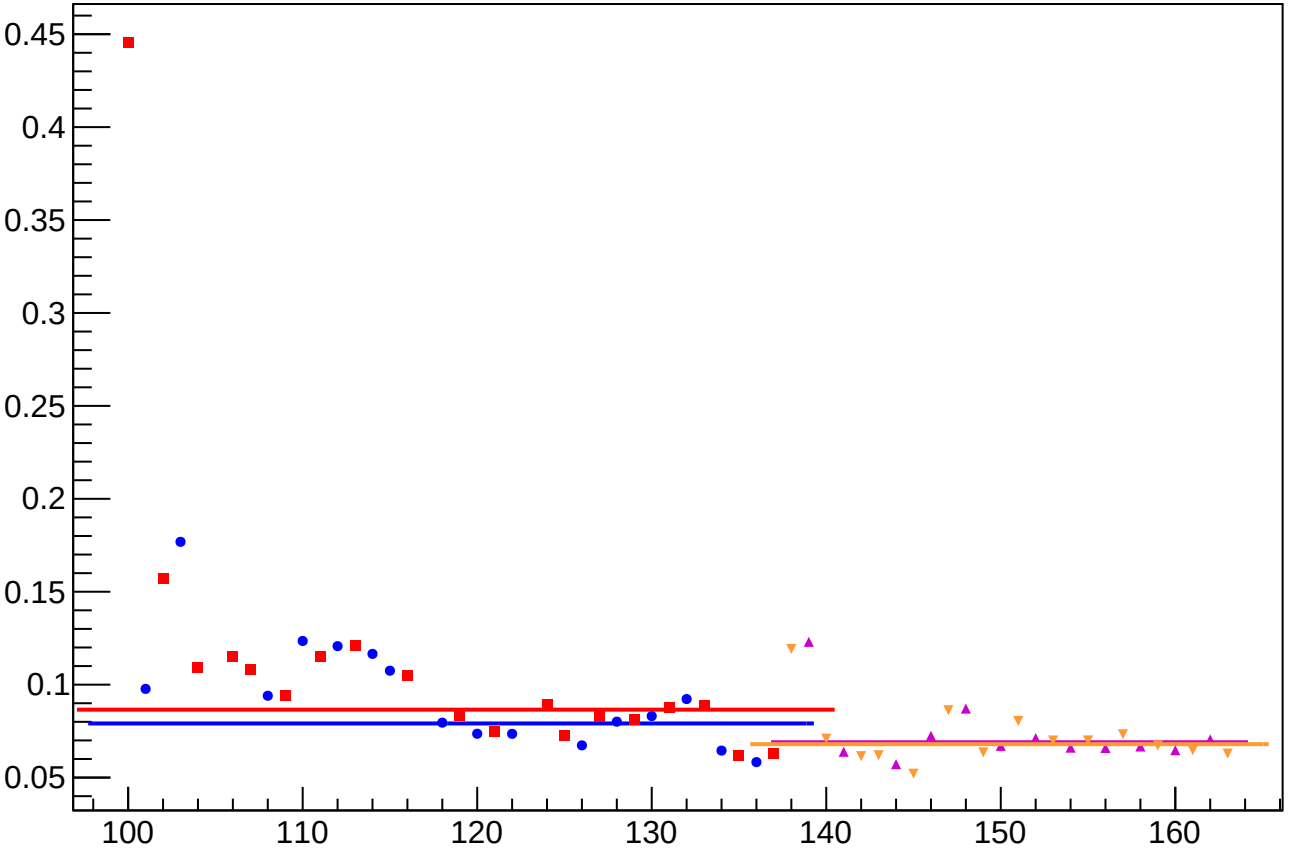
Left In: 15.247+/-0.000 χ^2/NDF:918941294.1/11

+ sign 14.953+/-0.000 χ^2/NDF: 2340863418.4/29

All: 15.036+/-0.000 χ^2/NDF: 5114001082.1/6

- sign 15.129+/-0.000 χ^2/NDF: 2730000183.9/30

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:532415.2/13

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

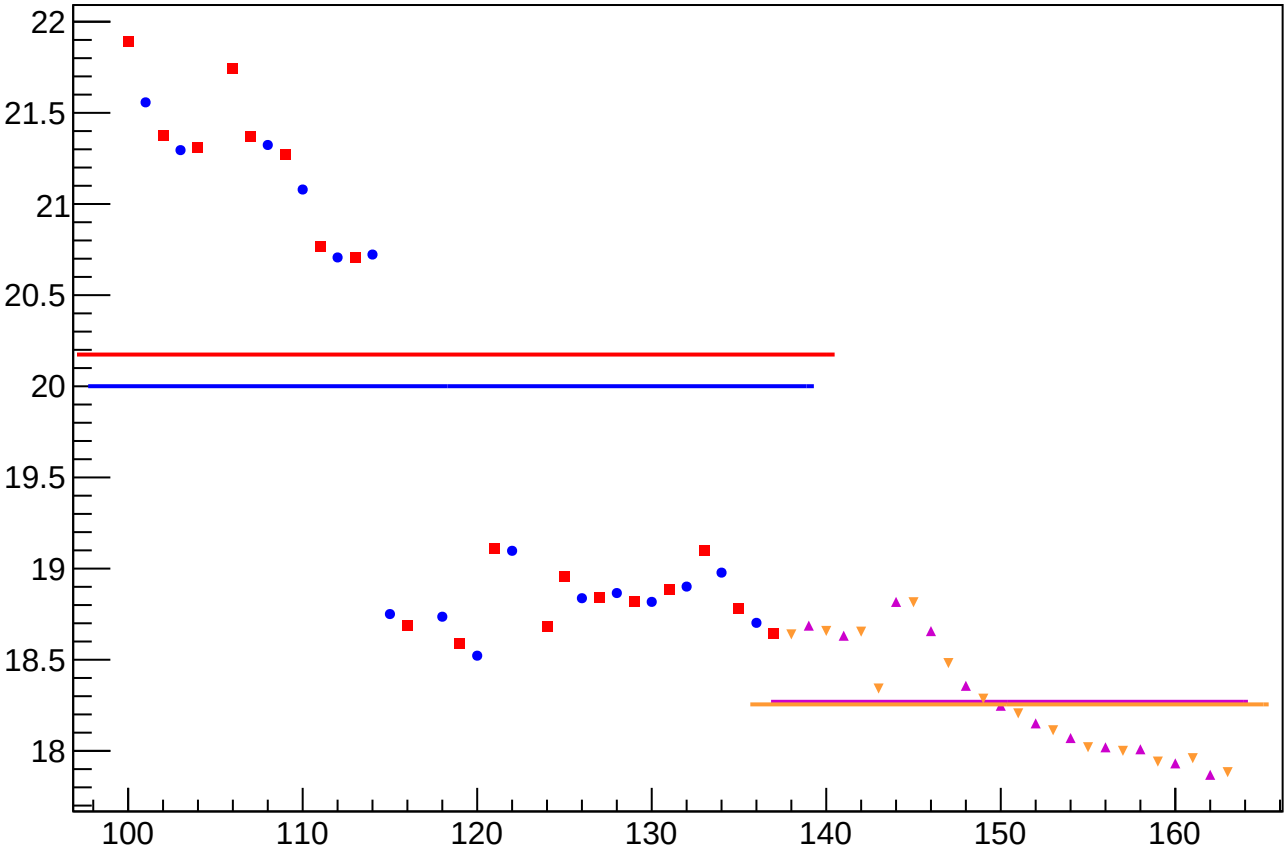
Left In: 0.069+/-0.000 χ^2/NDF:469213.5/11

+ sign 0.072+/-0.000 χ^2/NDF: 1609308.9/29

All: 0.073+/-0.000 χ^2/NDF: 3243360.4/60

- sign 0.074+/-0.000 χ^2/NDF: 1610321.6/30

yield_sam5_mean vs Slug



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.255+/-0.000 χ^2/NDF:957879554.0/13

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

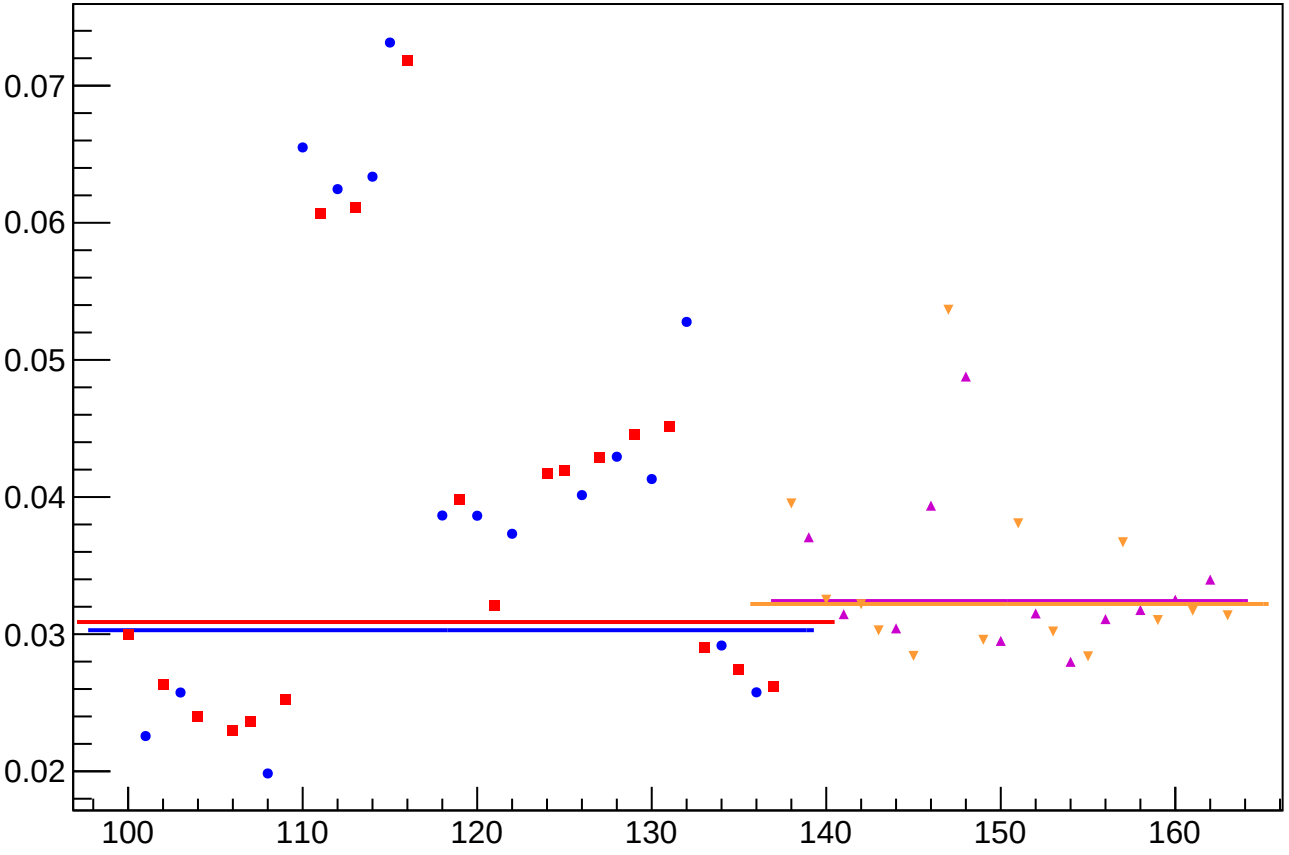
Left In: 18.269+/-0.000 χ^2/NDF:929980648.7/11

+ sign 18.937+/-0.000 χ^2/NDF: 23895907993.7/29

All: 18.995+/-0.000 χ^2/NDF: 49261223223.1

- sign 19.055+/-0.000 χ^2/NDF: 25253140730.1/30

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:454038.0/13

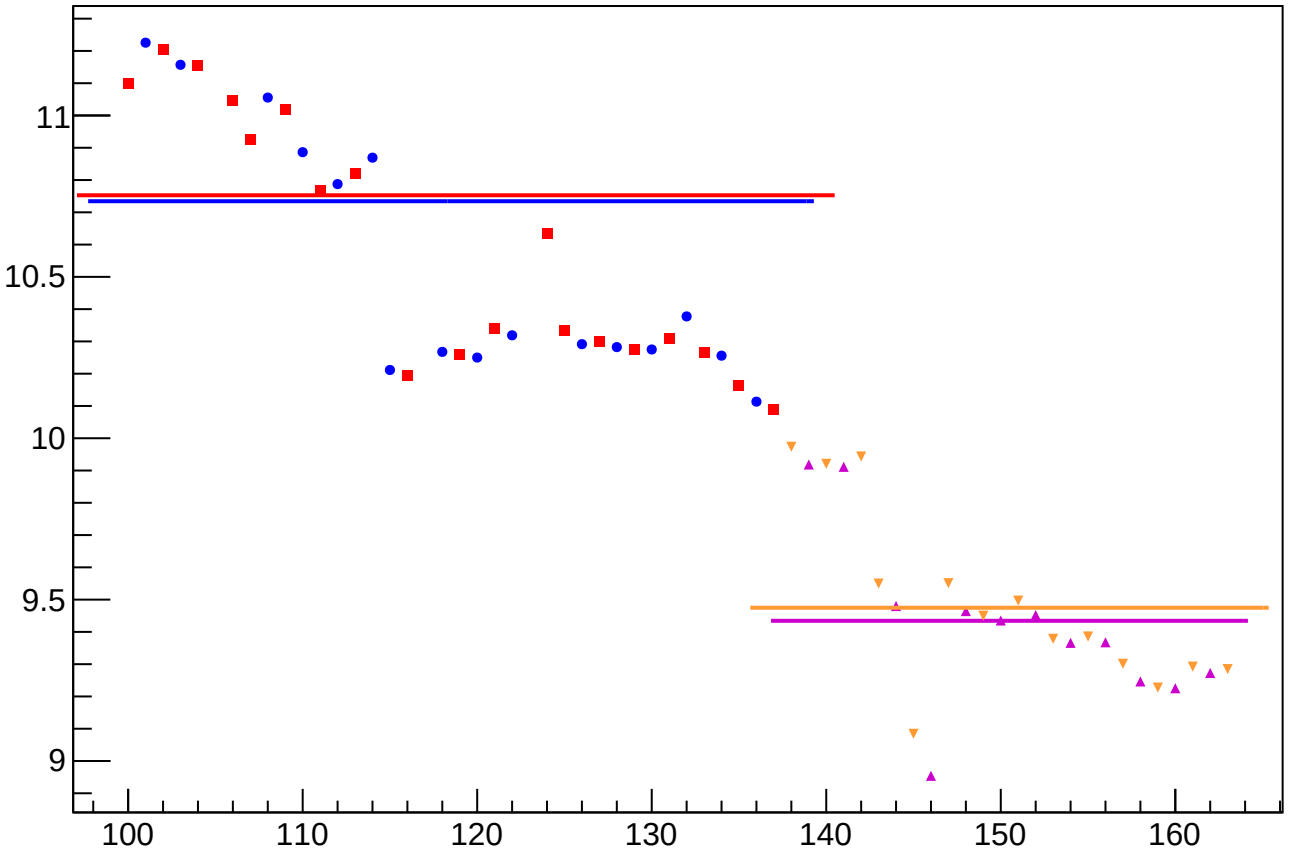
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:332049.5/11

+ sign 0.031+/-0.000 χ^2/NDF: 1930391.3/29

All: 0.032+/-0.000 χ^2/NDF: 3486831.6/60

- sign 0.032+/-0.000 χ^2/NDF: 1554683.4/30



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.475+/-0.000 χ^2/NDF:1757265266.8/13

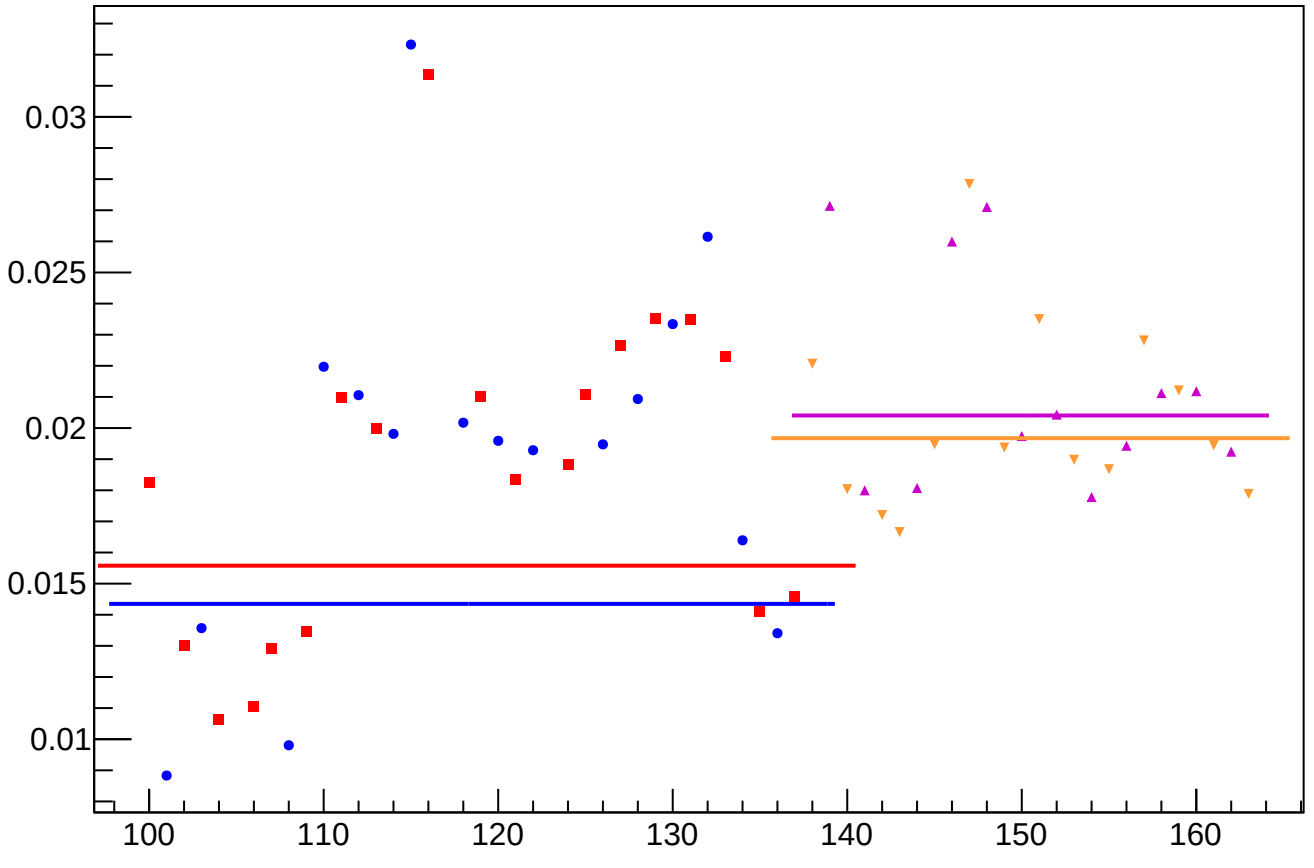
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.434+/-0.000 χ^2/NDF:1319279437.6/11

+ sign 10.124+/-0.000 χ^2/NDF: 28866815511.0/29

All: 10.130+/-0.000 χ^2/NDF: 55279177763.7

- sign 10.136+/-0.000 χ^2/NDF: 26408713435.9/30



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:330277.6/13

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

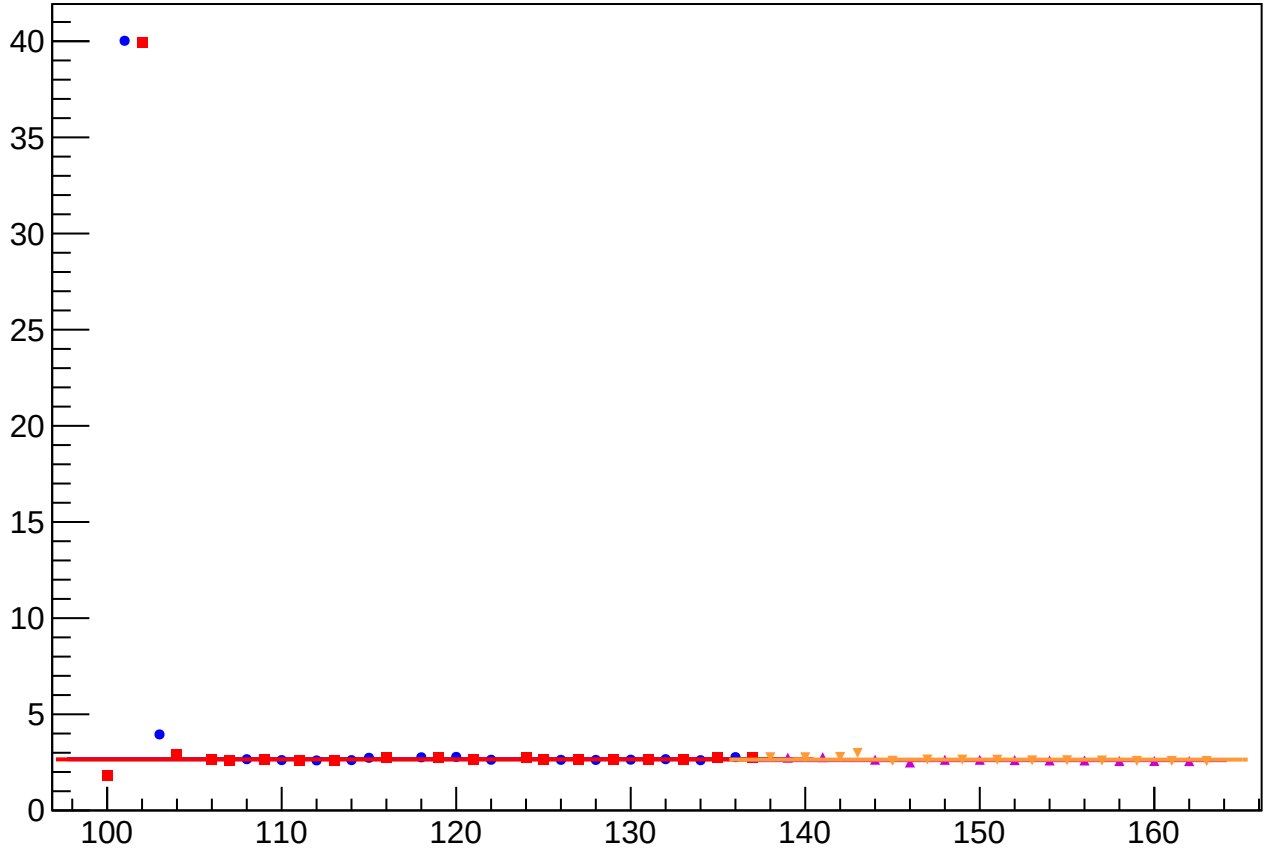
Left In: 0.020+/-0.000 χ^2/NDF:379103.9/11

+ sign 0.017+/-0.000 χ^2/NDF: 2571156.8/29

All: 0.017+/-0.000 χ^2/NDF: 4619679.7/60

- sign 0.018+/-0.000 χ^2/NDF: 2007128.3/30

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.644+/-0.000 χ^2/NDF:19831857548.9/13

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

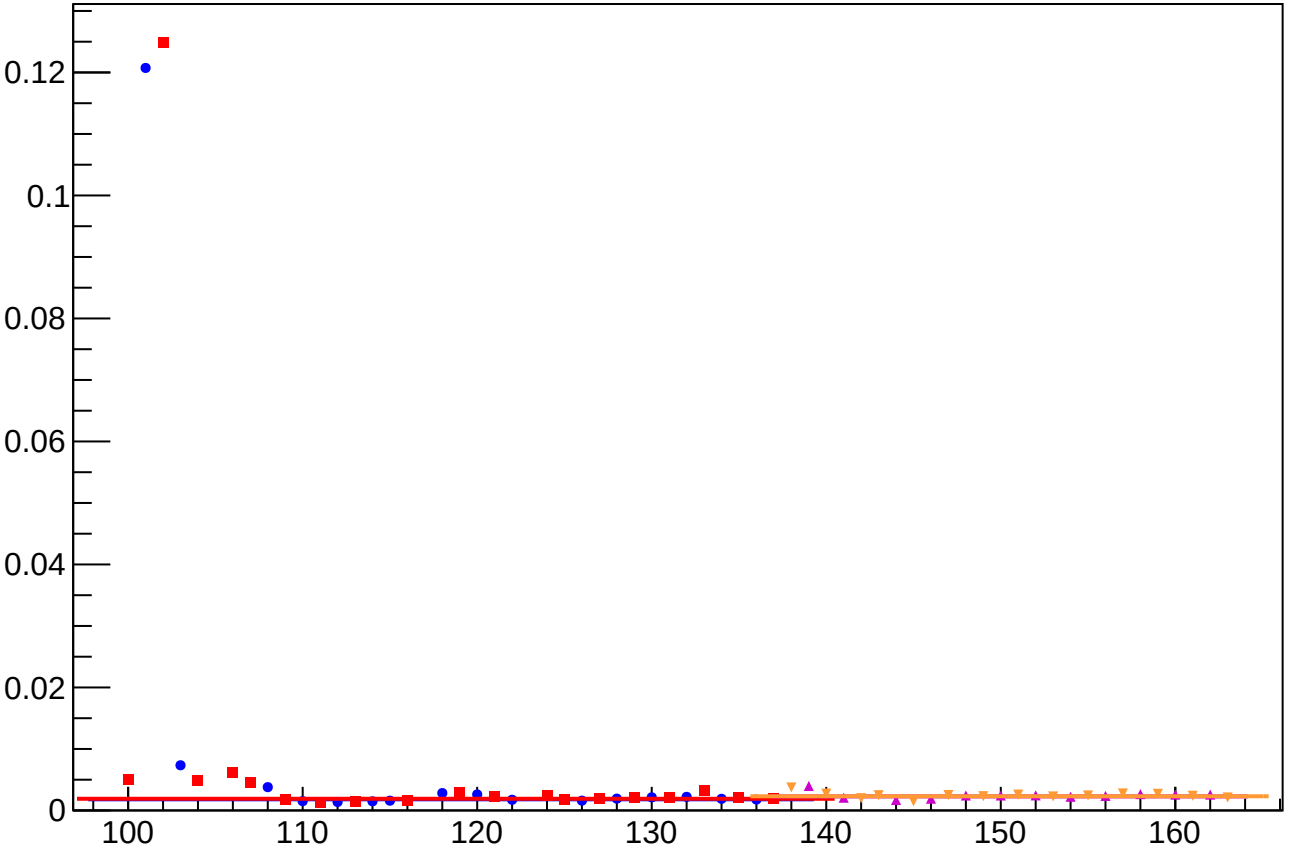
Left In: 2.617+/-0.000 χ^2/NDF:8403891414.1/11

+ sign 2.653+/-0.000 χ^2/NDF: 87960303745.5/29

All: 2.645+/-0.000 χ^2/NDF: 163106620126.6

- sign 2.635+/-0.000 χ^2/NDF: 74644486342.5/30

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:747906.2/13

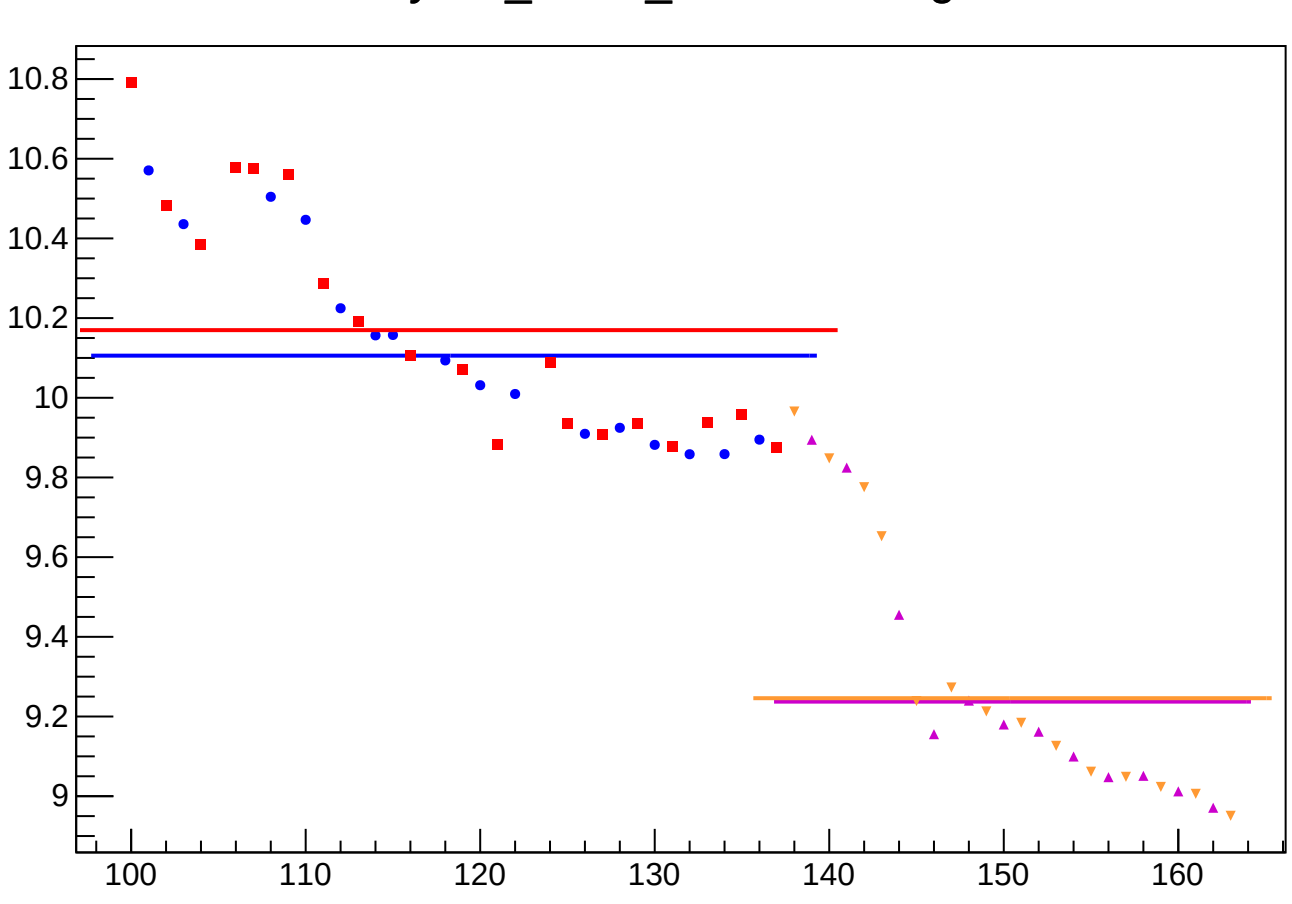
Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:606704.9/11

+ sign 0.002+/-0.000 χ^2/NDF: 2946397.5/29

All: 0.002+/-0.000 χ^2/NDF: 6303438.4/60

- sign 0.002+/-0.000 χ^2/NDF: 3355038.5/30



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.246+/-0.000 χ^2/NDF:17829718122.0/13

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

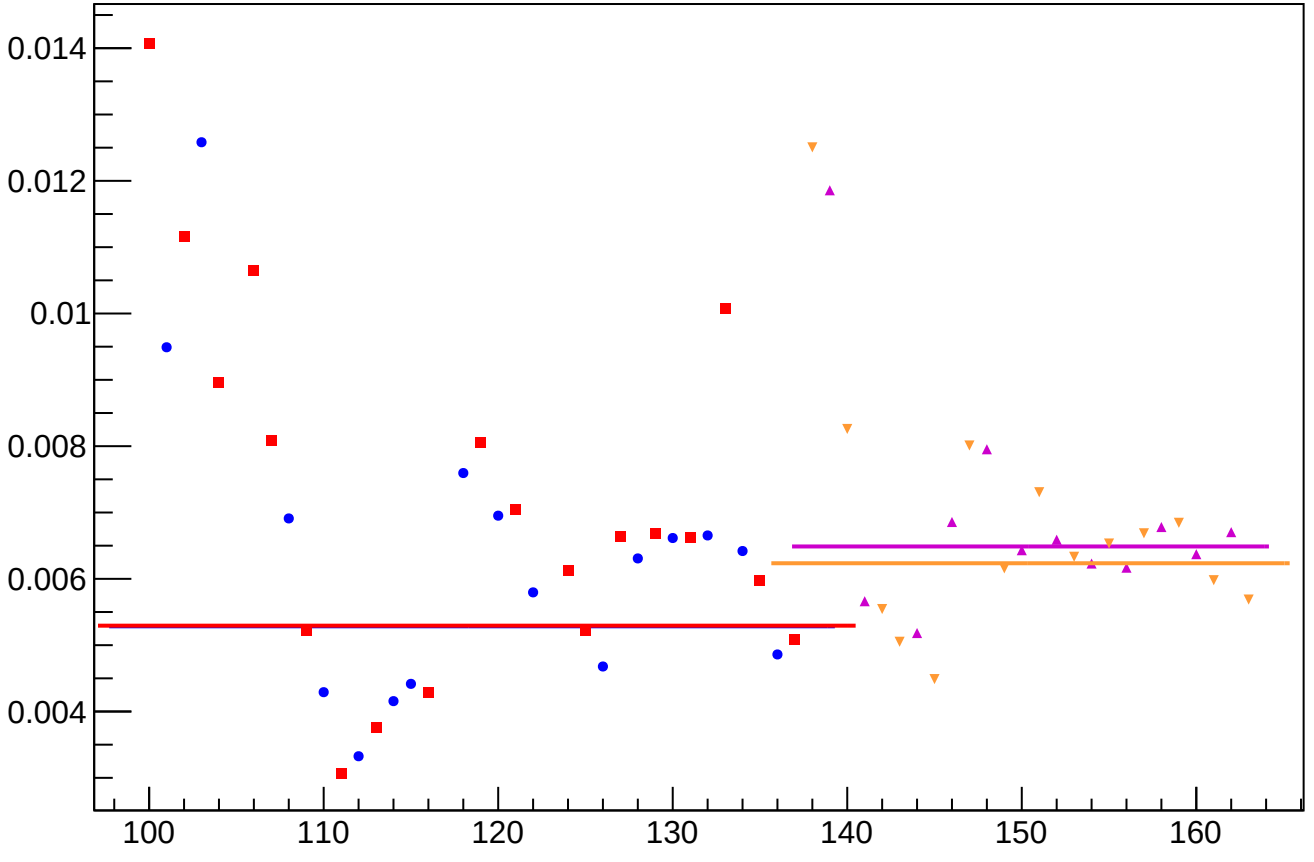
Left In: 9.237+/-0.000 χ^2/NDF:13968403450.8/11

+ sign 9.642+/-0.000 χ^2/NDF: 104133894444.2/29

All: 9.671+/-0.000 χ^2/NDF: 213726254547.7

- sign 9.703+/-0.000 χ^2/NDF: 108833518309.6/30

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:817711.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

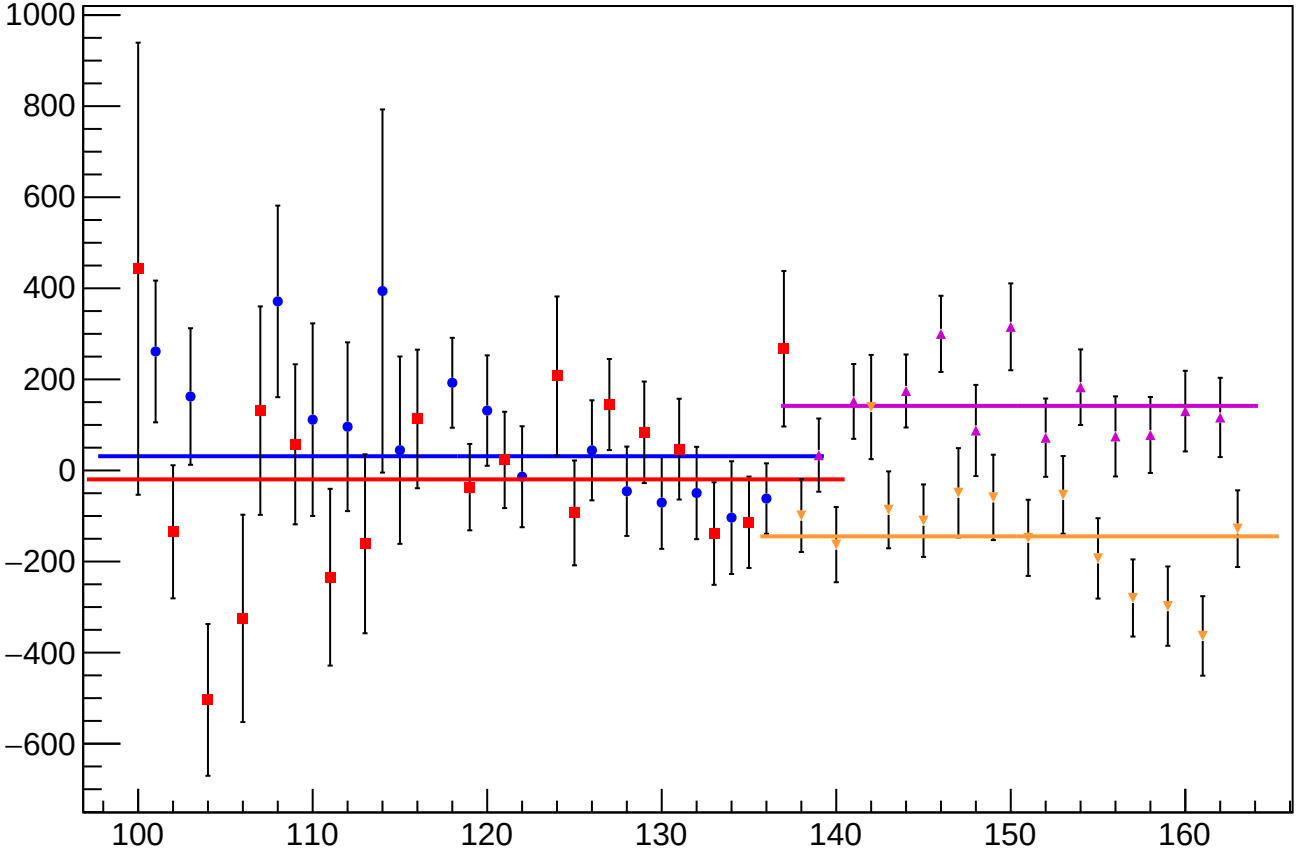
Left In: 0.006+/-0.000 χ^2/NDF:497321.1/11

+ sign 0.006+/-0.000 χ^2/NDF: 2280510.8/29

All: 0.006+/-0.000 χ^2/NDF: 4854938.5/60

- sign 0.006+/-0.000 χ^2/NDF: 2570787.8/30

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.743+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

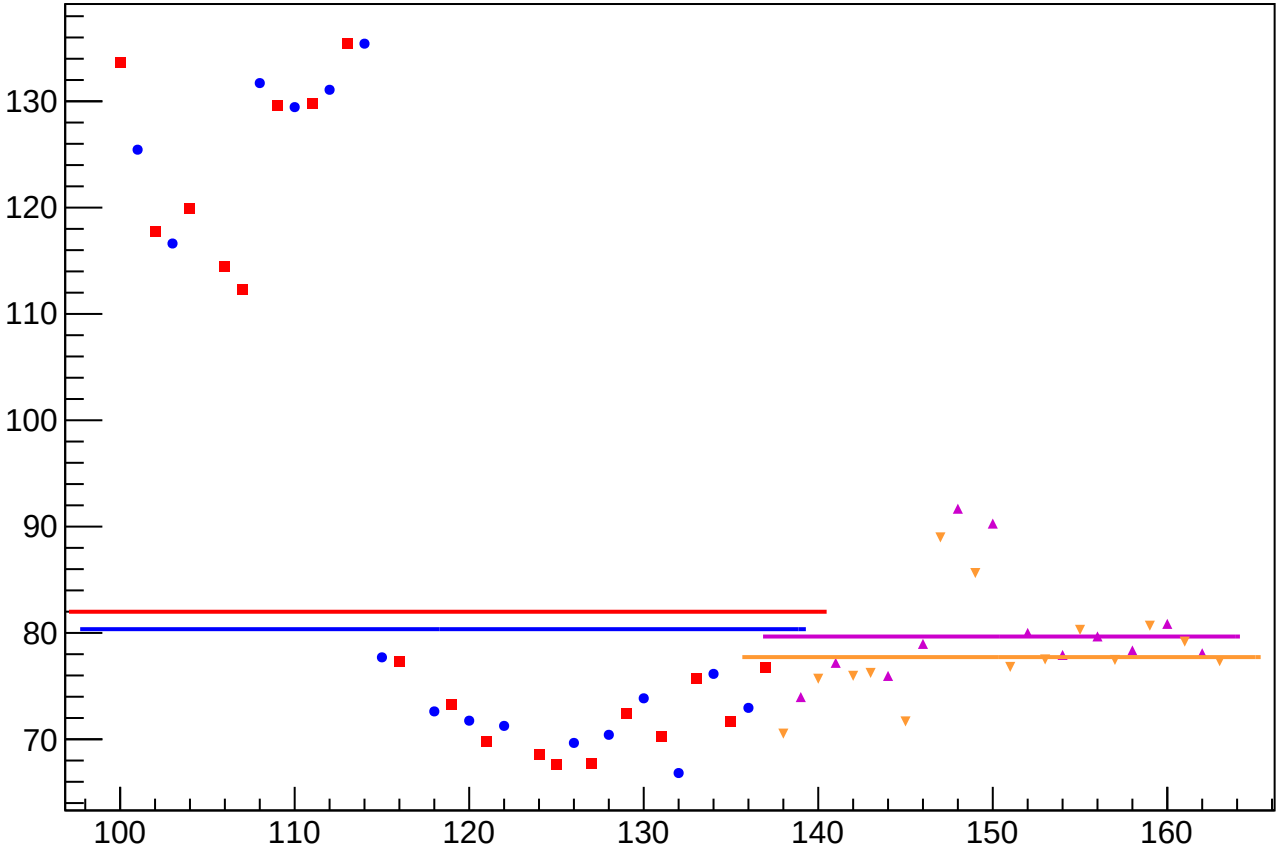
Left In: 141.805+/-24.814 χ^2/NDF:11.3/11

+ sign -80.781+/-18.560 χ^2/NDF: 58.3/29

All: -4.403+/-13.406 χ^2/NDF: 147.4/60

- sign 78.930+/-19.386 χ^2/NDF: 53.7/30

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

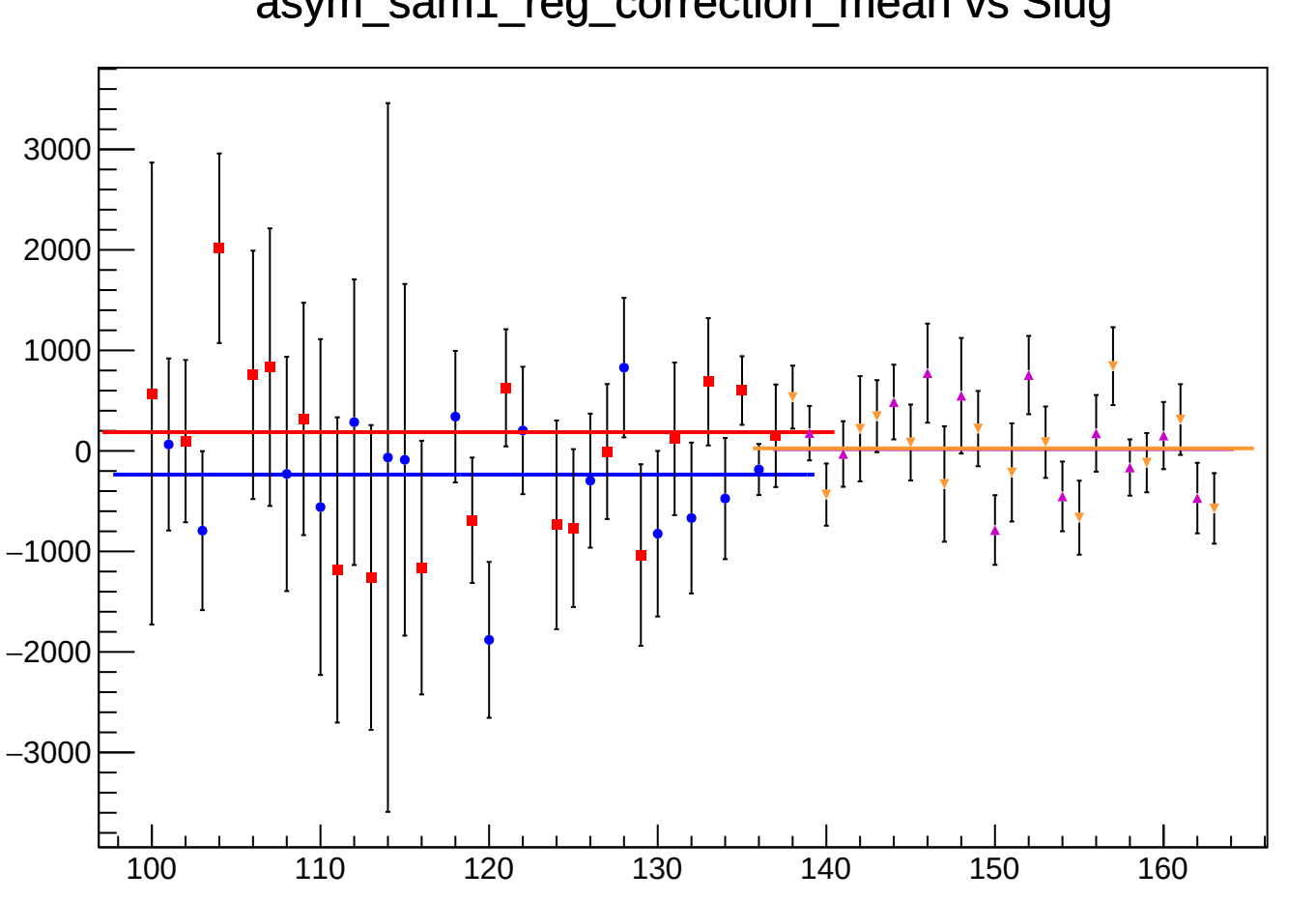
Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

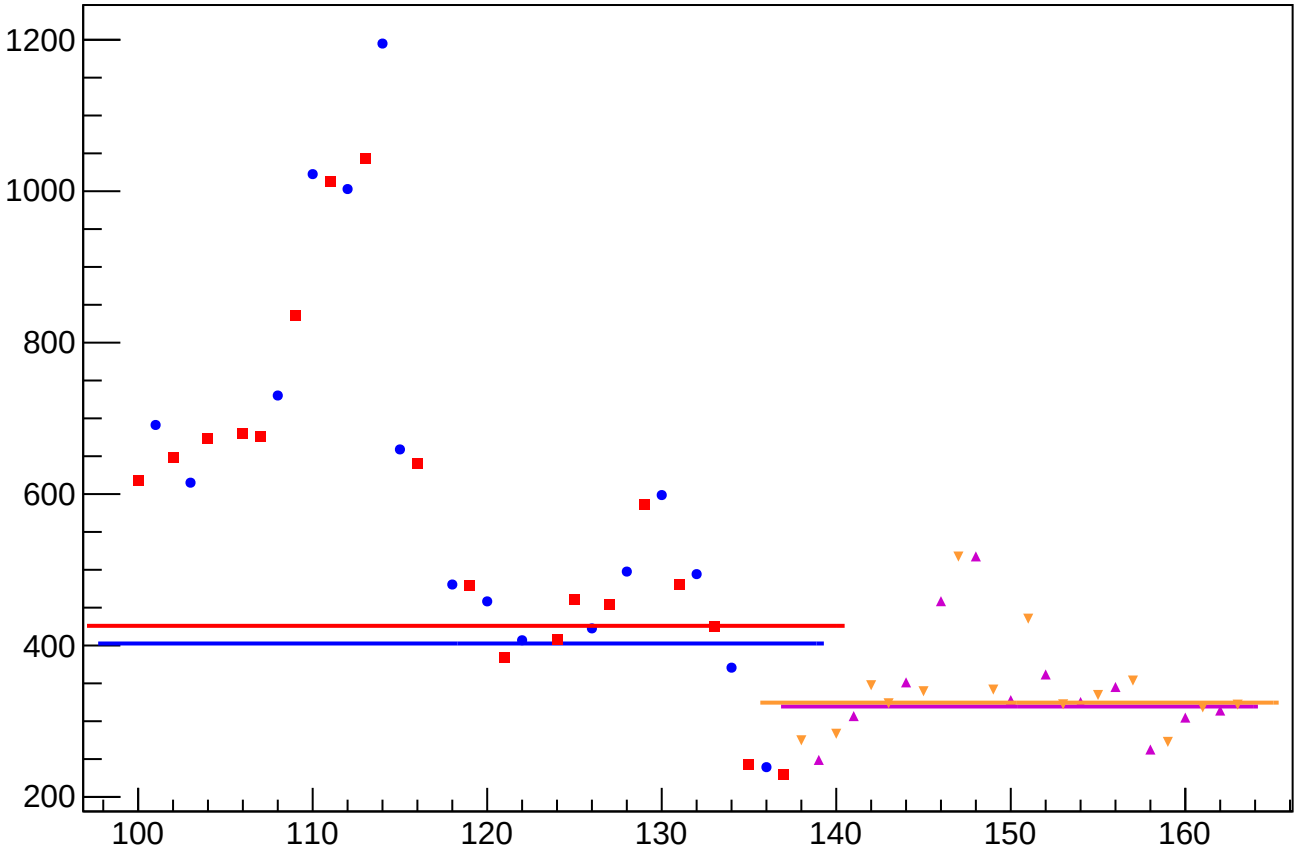
+ sign 78.682+/-0.013 χ^2/NDF: 924877.7/29

All: 79.585+/-0.009 χ^2/NDF: 1946319.6/60

- sign 80.570+/-0.014 χ^2/NDF: 1011542.4/30


asym_sam1_reg_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -235.521+/-163.765 χ²/NDF: 9.9/15
Left Out: 25.269+/-98.483 χ²/NDF:18.5/13
Right Out: 186.618+/-170.394 χ²/NDF: 16.0/18
Left In: 18.388+/-101.341 χ²/NDF:18.7/11
+ sign -43.995+/-84.397 χ²/NDF: 30.3/29
All: 7.500+/-60.611 χ²/NDF: 66.4/60
- sign 62.346+/-87.100 χ²/NDF: 35.3/30

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.548+/-0.070 χ^2/NDF:501637.7/13

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

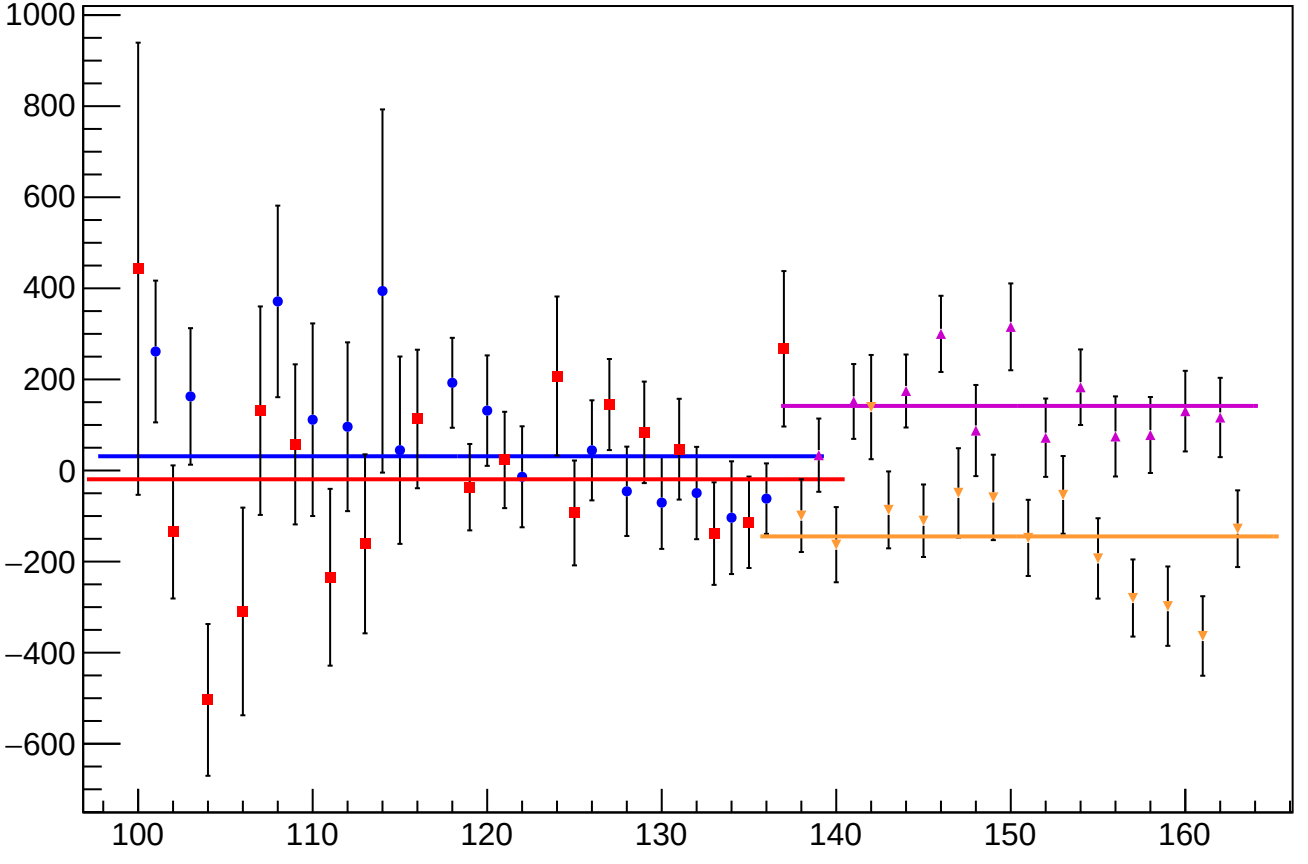
Left In: 319.447+/-0.072 χ^2/NDF:671834.7/11

+ sign 345.293+/-0.060 χ^2/NDF: 3195876.0/29

All: 346.257+/-0.043 χ^2/NDF: 6814549.9/60

- sign 347.283+/-0.062 χ^2/NDF: 3618135.3/30

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

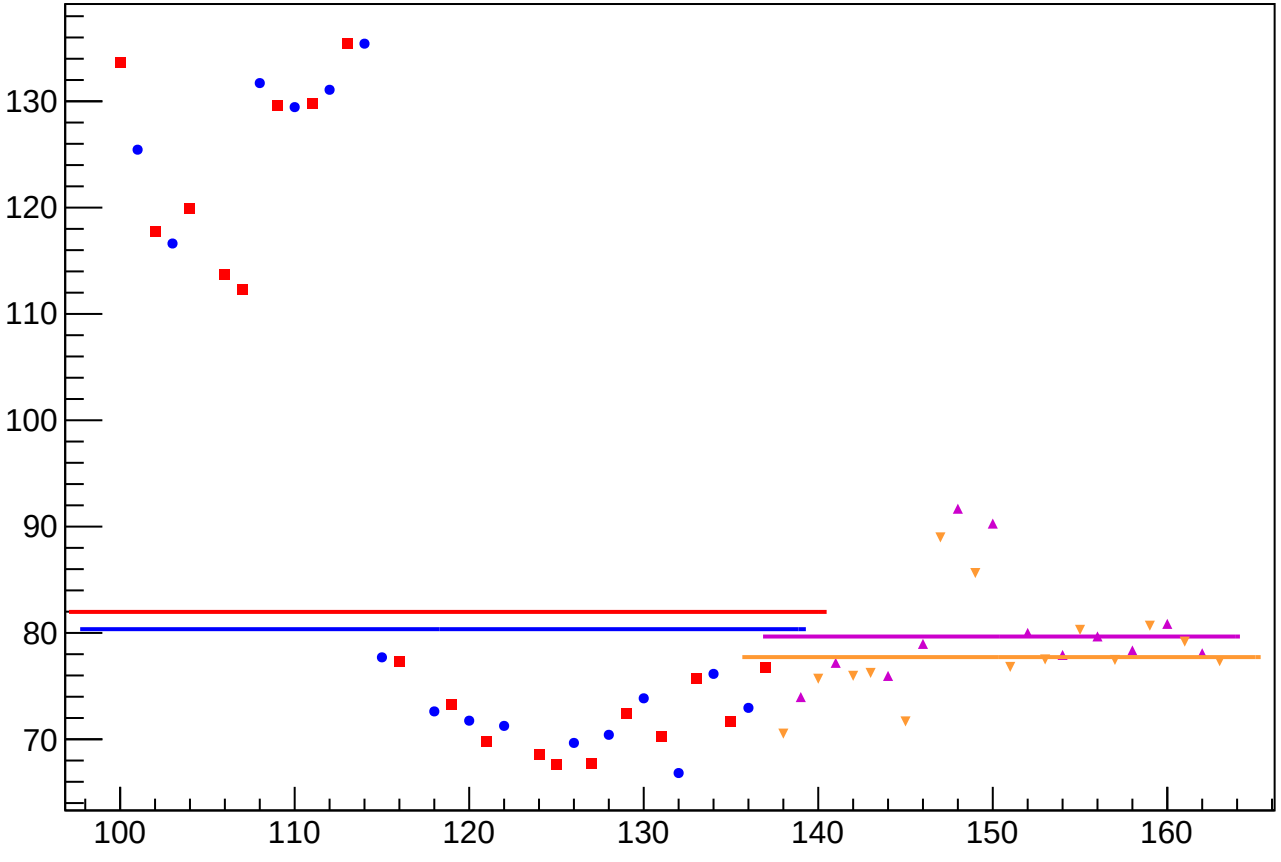
Left In: 141.810+/-24.814 χ^2/NDF:11.3/11

+ sign -80.774+/-18.560 χ^2/NDF: 58.3/29

All: -4.344+/-13.407 χ^2/NDF: 147.2/60

- sign 79.049+/-19.387 χ^2/NDF: 53.5/30

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

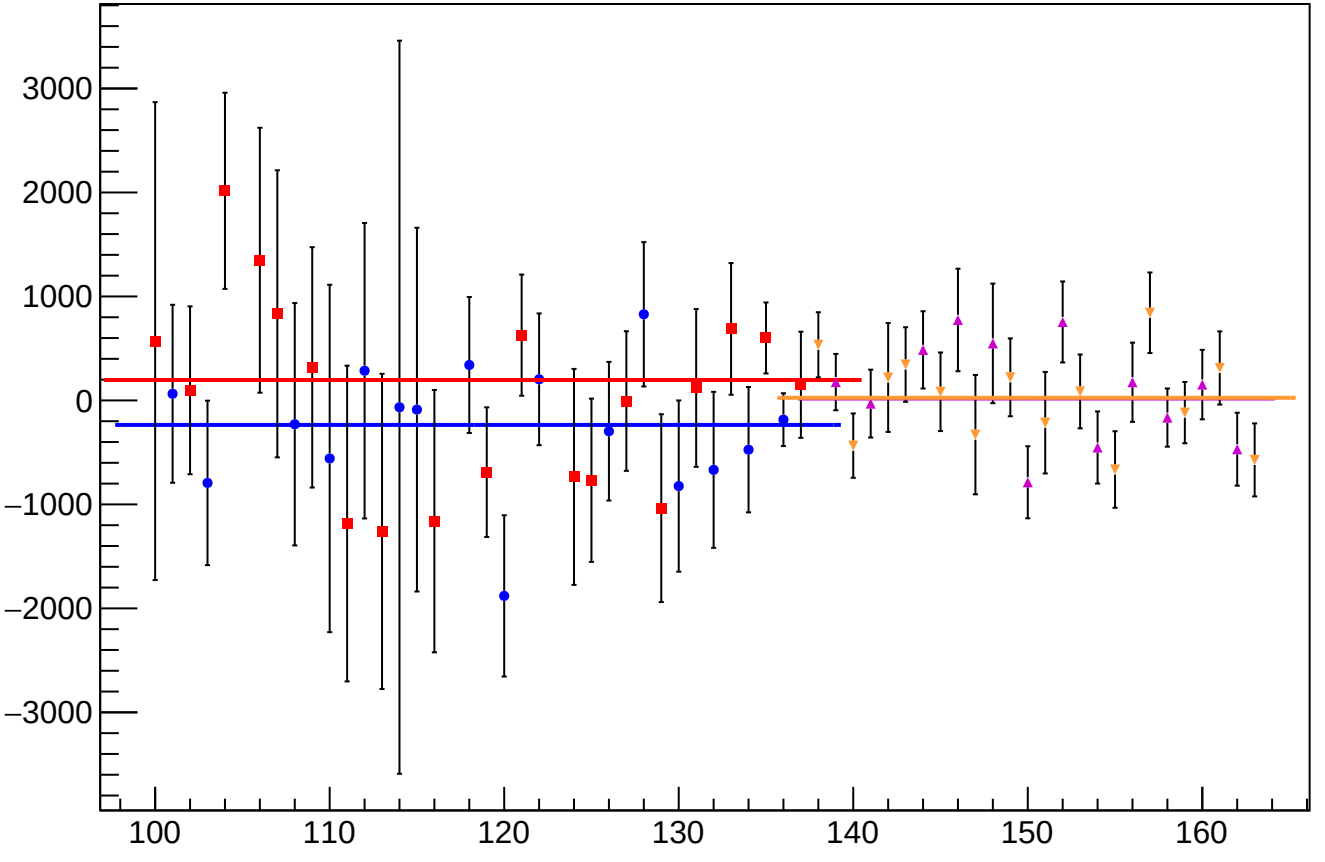
Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

+ sign 78.682+/-0.013 χ^2/NDF: 924877.9/29

All: 79.582+/-0.009 χ^2/NDF: 1944298.1/60

- sign 80.564+/-0.014 χ^2/NDF: 1009582.5/30

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

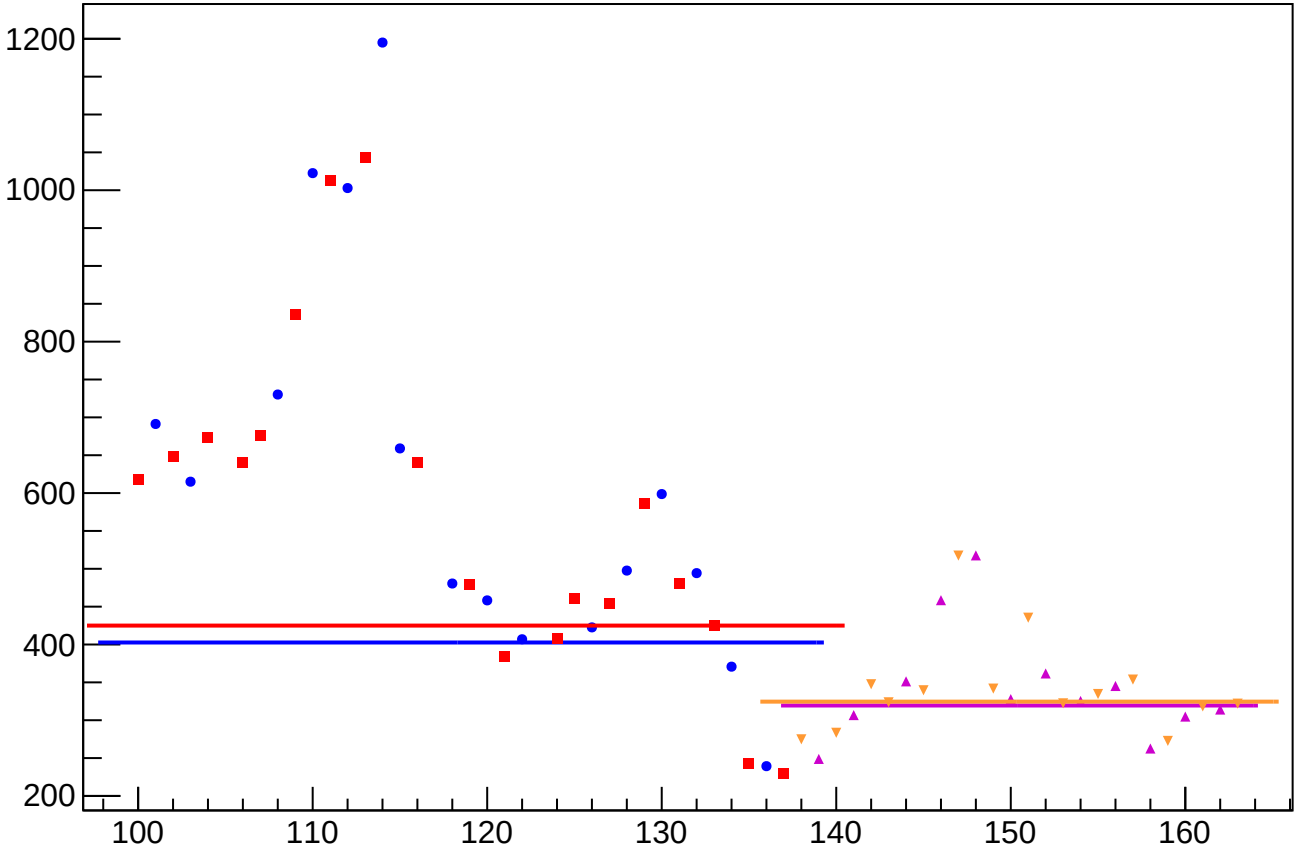
Left In: 18.393+/-101.341 χ^2/NDF:18.7/11

+ sign -43.993+/-84.397 χ^2/NDF: 30.3/29

All: 8.735+/-60.615 χ^2/NDF: 67.2/60

- sign 64.913+/-87.114 χ^2/NDF: 36.0/30

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

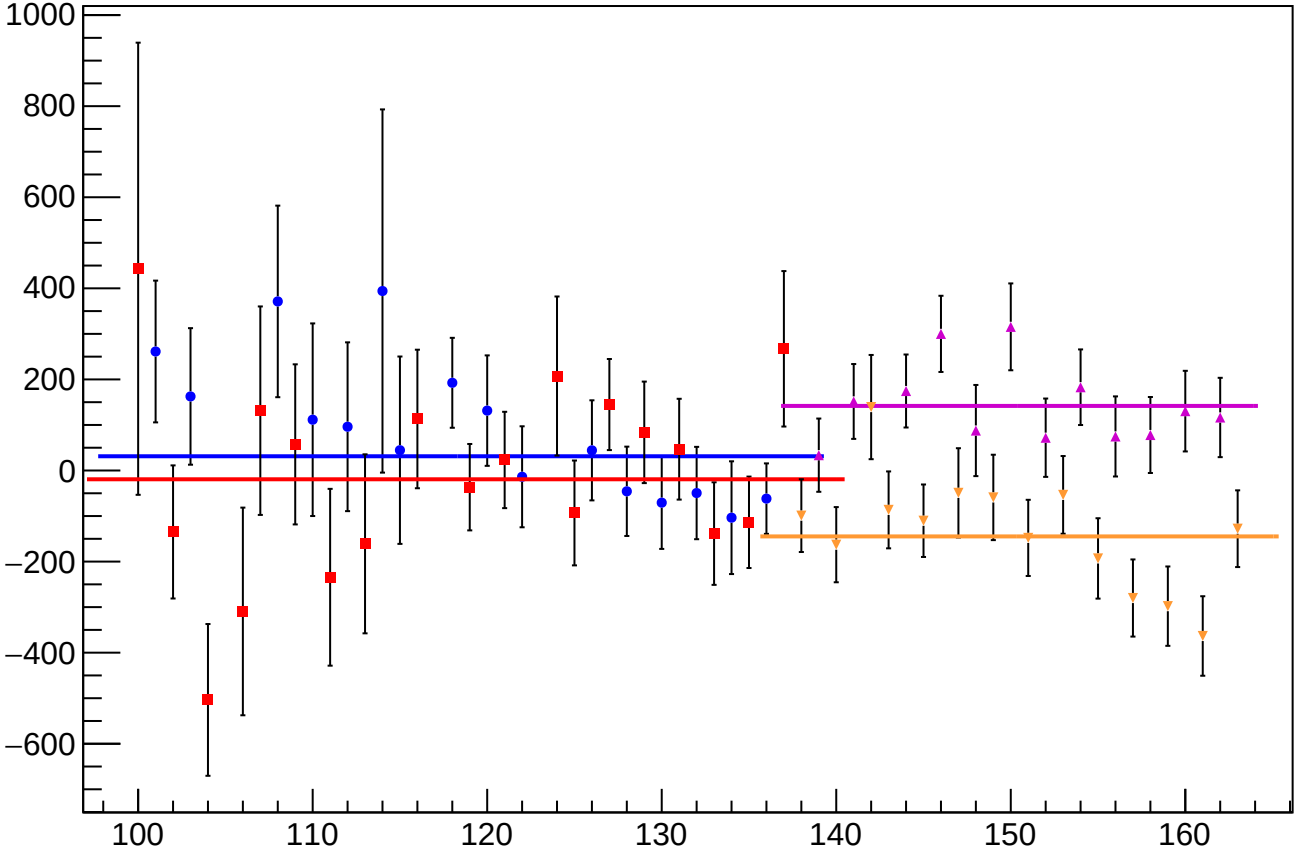
Left In: 319.447+/-0.072 χ^2/NDF:671835.3/11

\+ sign 345.293+/-0.060 χ^2/NDF: 3195881.7/29

All: 346.120+/-0.043 χ^2/NDF: 6775460.6/60

\- sign 347.001+/-0.062 χ^2/NDF: 3579182.4/30

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

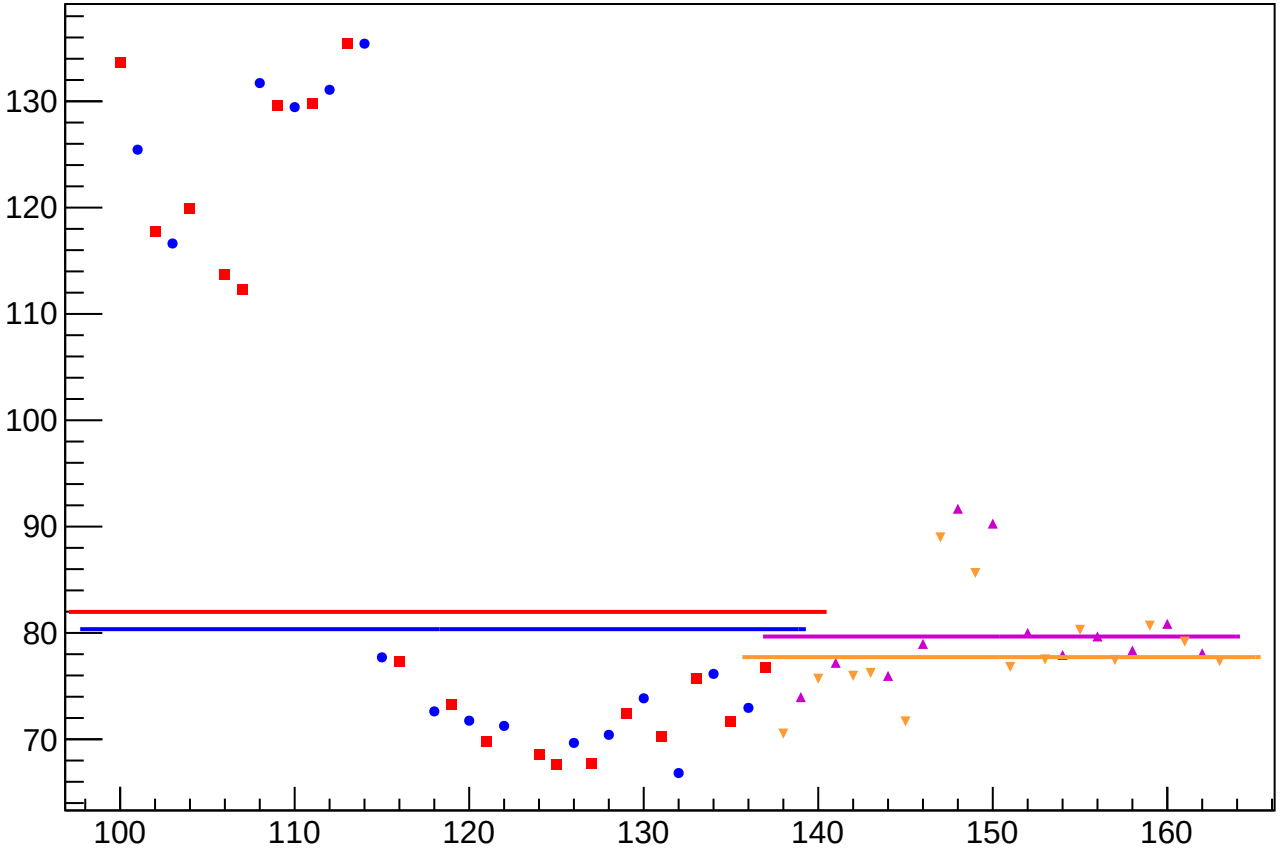
Left In: 141.810+/-24.814 χ^2/NDF:11.3/11

\+ sign -80.774+/-18.560 χ^2/NDF: 58.3/29

All: -4.344+/-13.407 χ^2/NDF: 147.2/60

\- sign 79.049+/-19.387 χ^2/NDF: 53.5/30

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

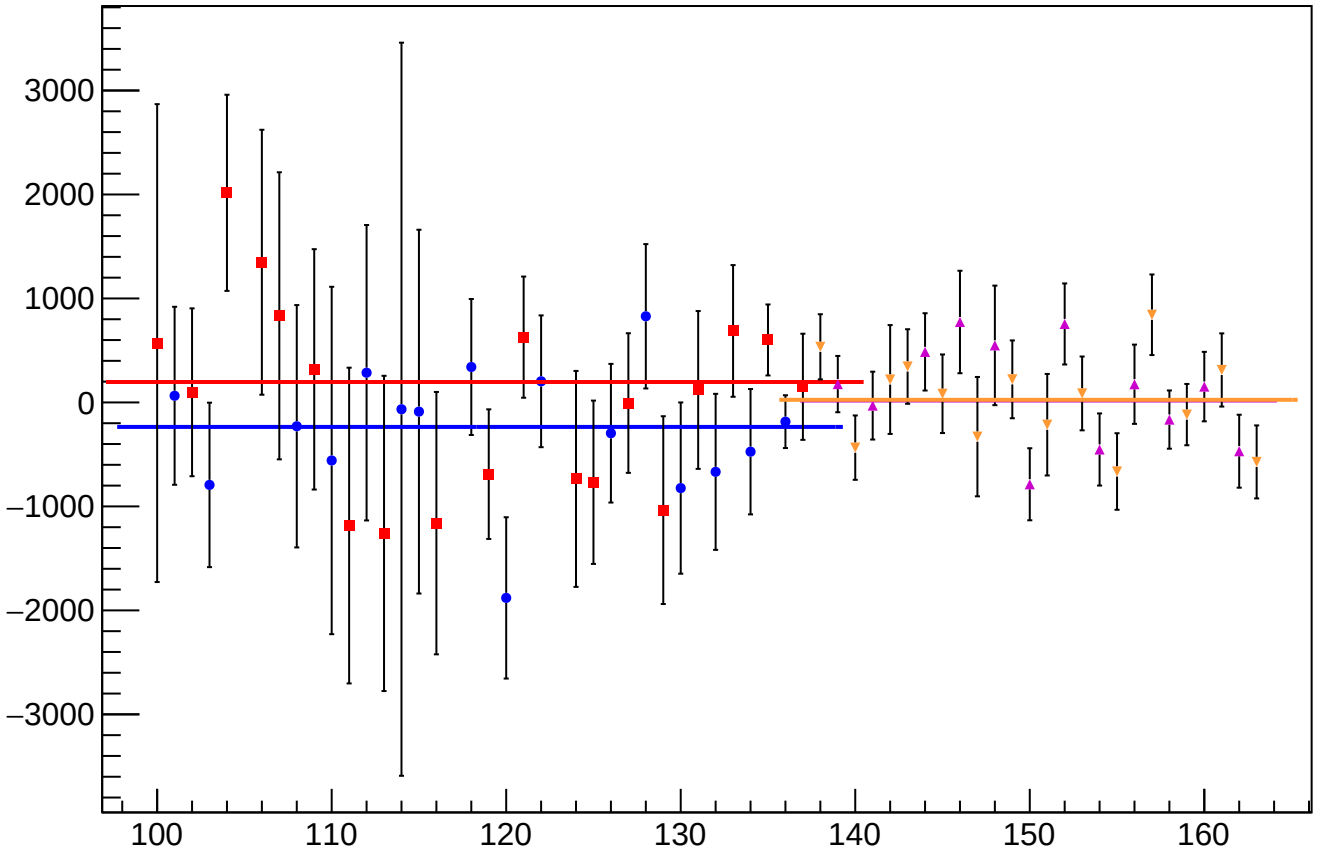
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

+ sign 78.682+/-0.013 χ^2/NDF: 924877.9/29

All: 79.582+/-0.009 χ^2/NDF: 1944298.1/60

- sign 80.564+/-0.014 χ^2/NDF: 1009582.5/30



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

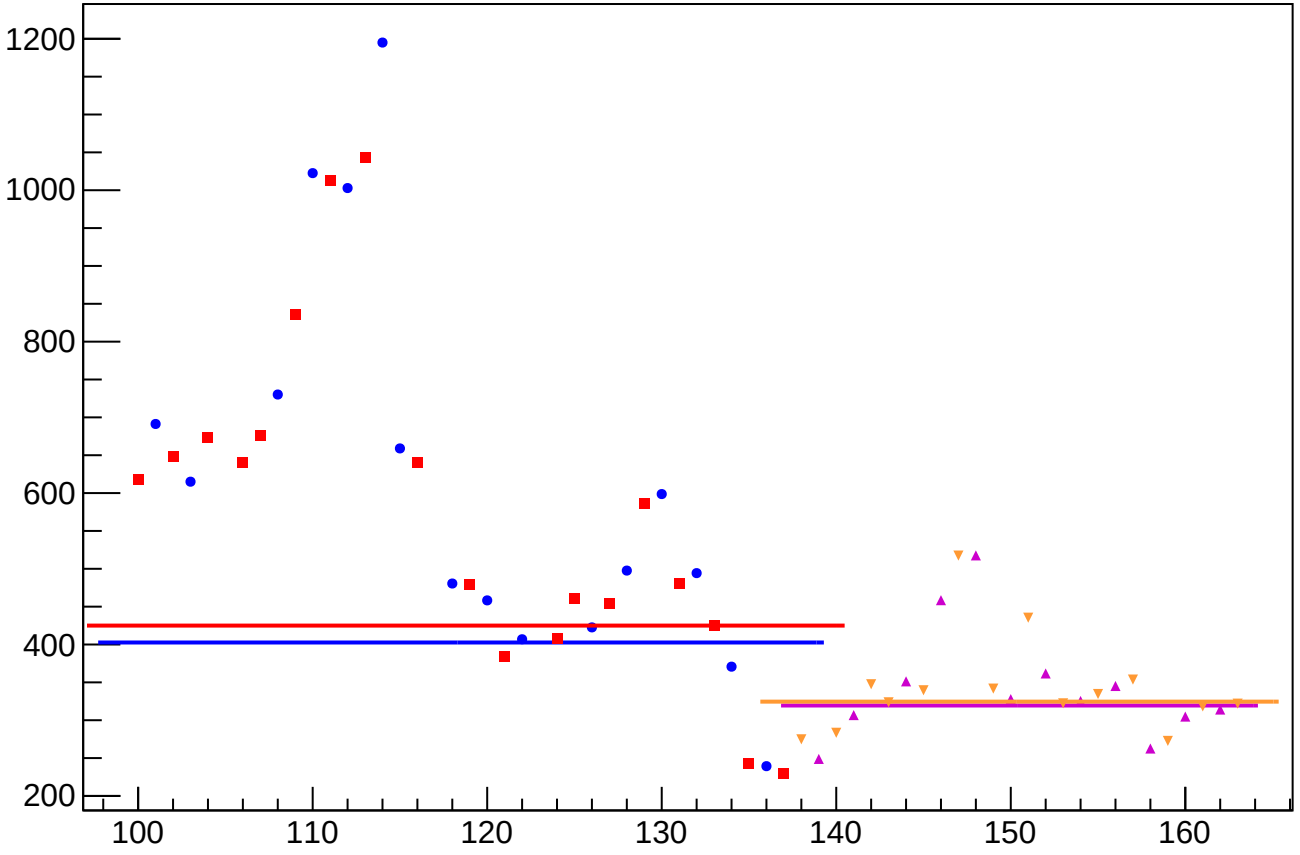
Left In: 18.393+/-101.341 χ^2/NDF:18.7/11

+ sign -43.993+/-84.397 χ^2/NDF: 30.3/29

All: 8.735+/-60.615 χ^2/NDF: 67.2/60

- sign 64.913+/-87.114 χ^2/NDF: 36.0/30

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

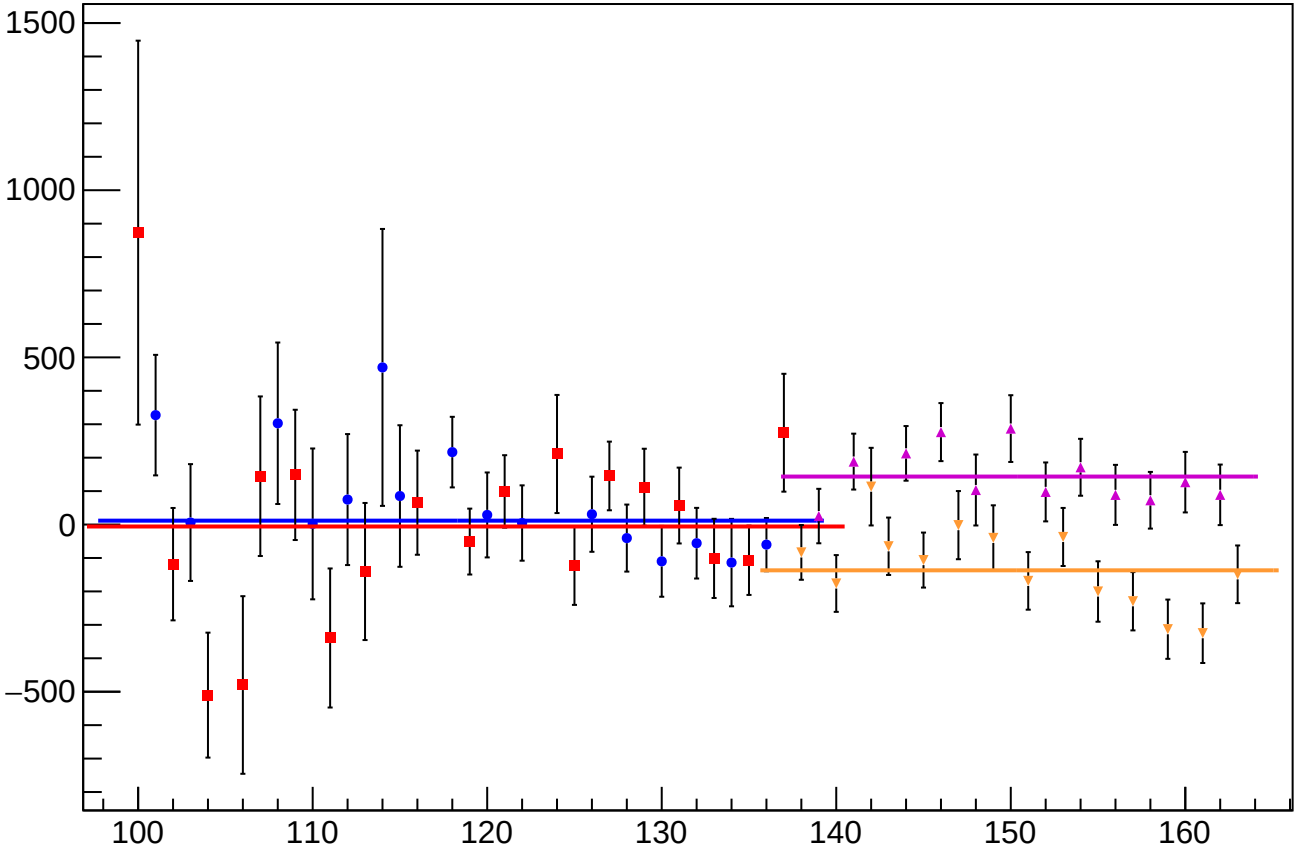
Left In: 319.447+/-0.072 χ^2/NDF:671835.3/11

+ sign 345.293+/-0.060 χ^2/NDF: 3195881.7/29

All: 346.120+/-0.043 χ^2/NDF: 6775460.6/60

- sign 347.001+/-0.062 χ^2/NDF: 3579182.4/30

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.930+/-23.864 χ^2/NDF:20.4/13

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

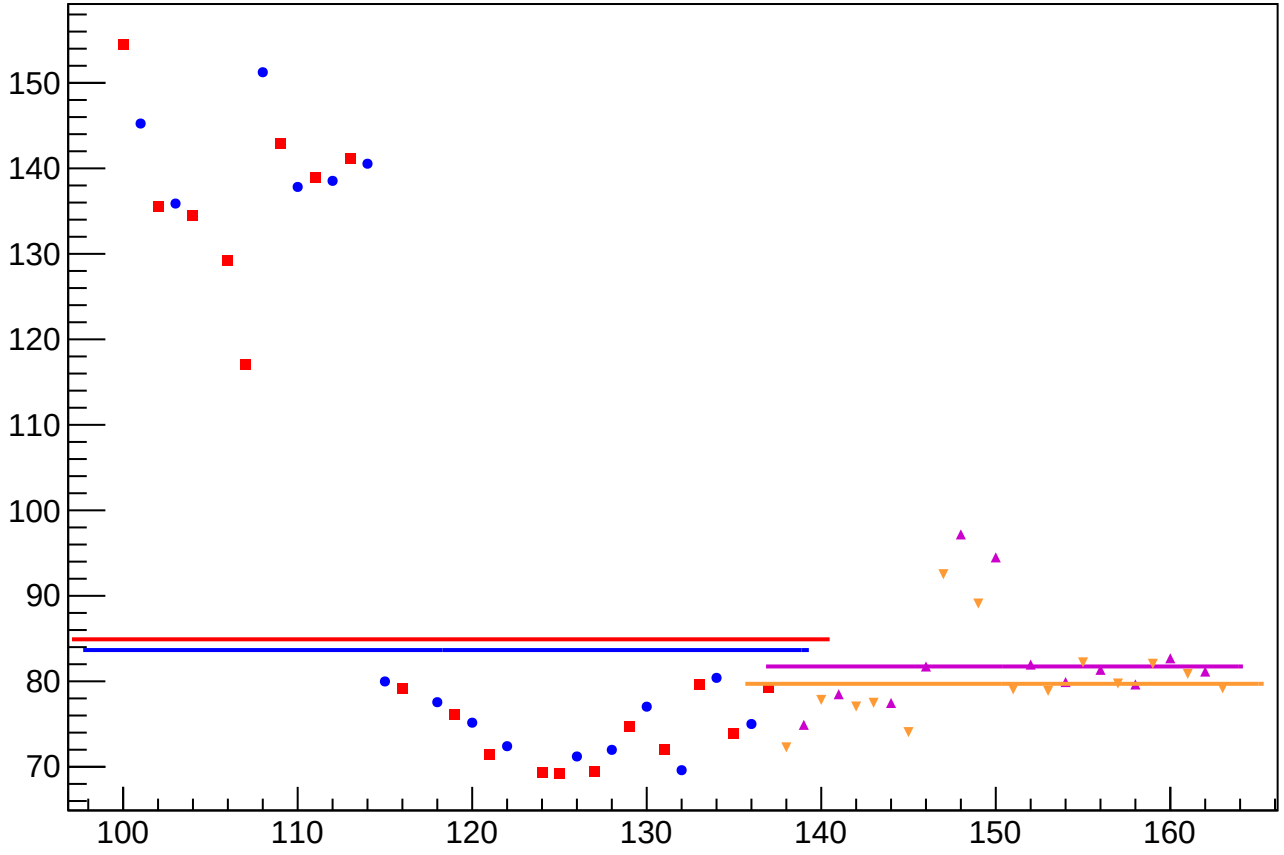
Left In: 143.533+/-25.486 χ^2/NDF:9.5/11

+ sign -84.459+/-19.193 χ^2/NDF: 47.6/29

All: -2.659+/-13.862 χ^2/NDF: 136.9/60

- sign 86.540+/-20.042 χ^2/NDF: 51.4/30

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.5/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

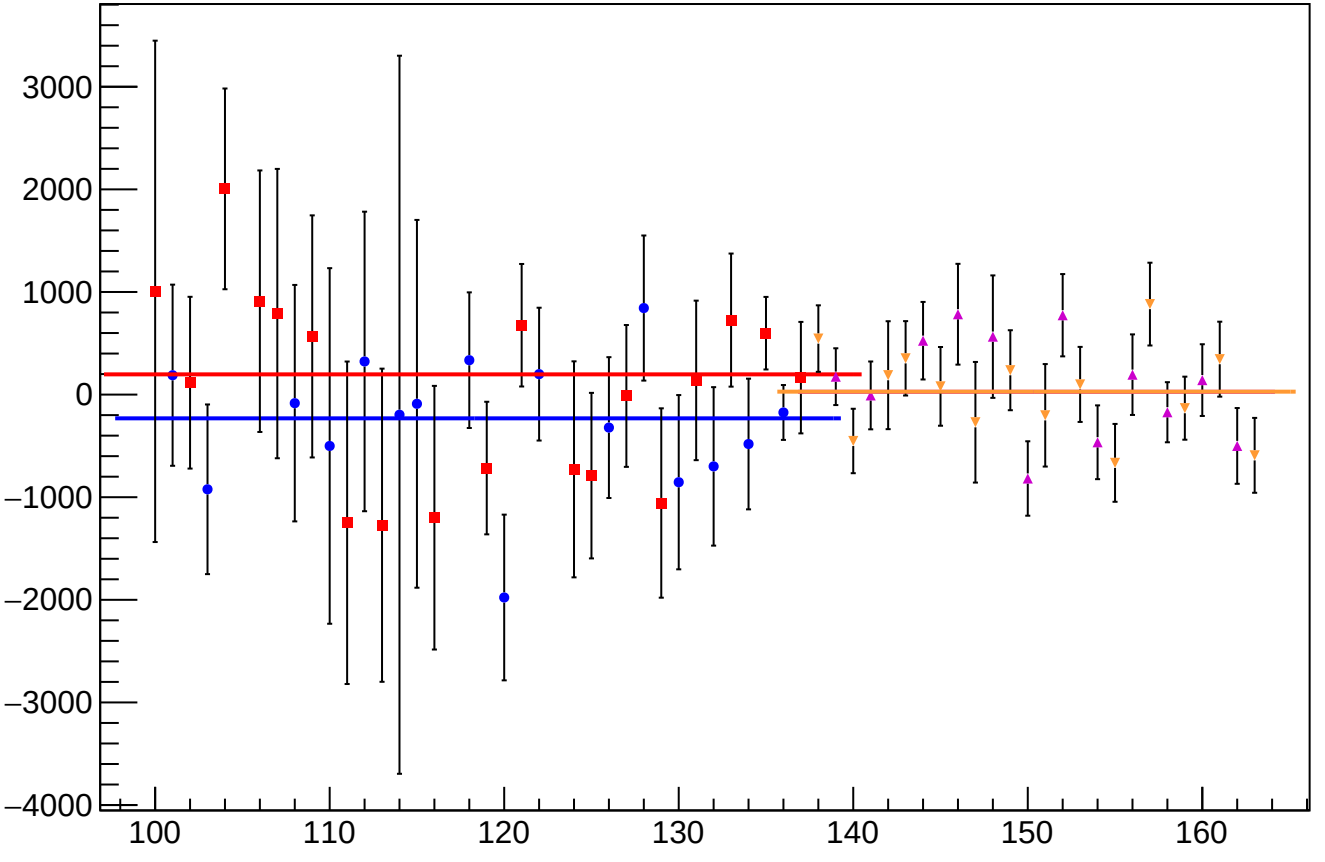
Left In: 81.738+/-0.018 χ^2/NDF:100126.5/11

+ sign 81.104+/-0.014 χ^2/NDF: 1137236.0/29

All: 81.987+/-0.010 χ^2/NDF: 2379726.0/60

- sign 82.950+/-0.014 χ^2/NDF: 1233638.9/30

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 28.590+/-101.353 χ^2/NDF:18.3/13

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

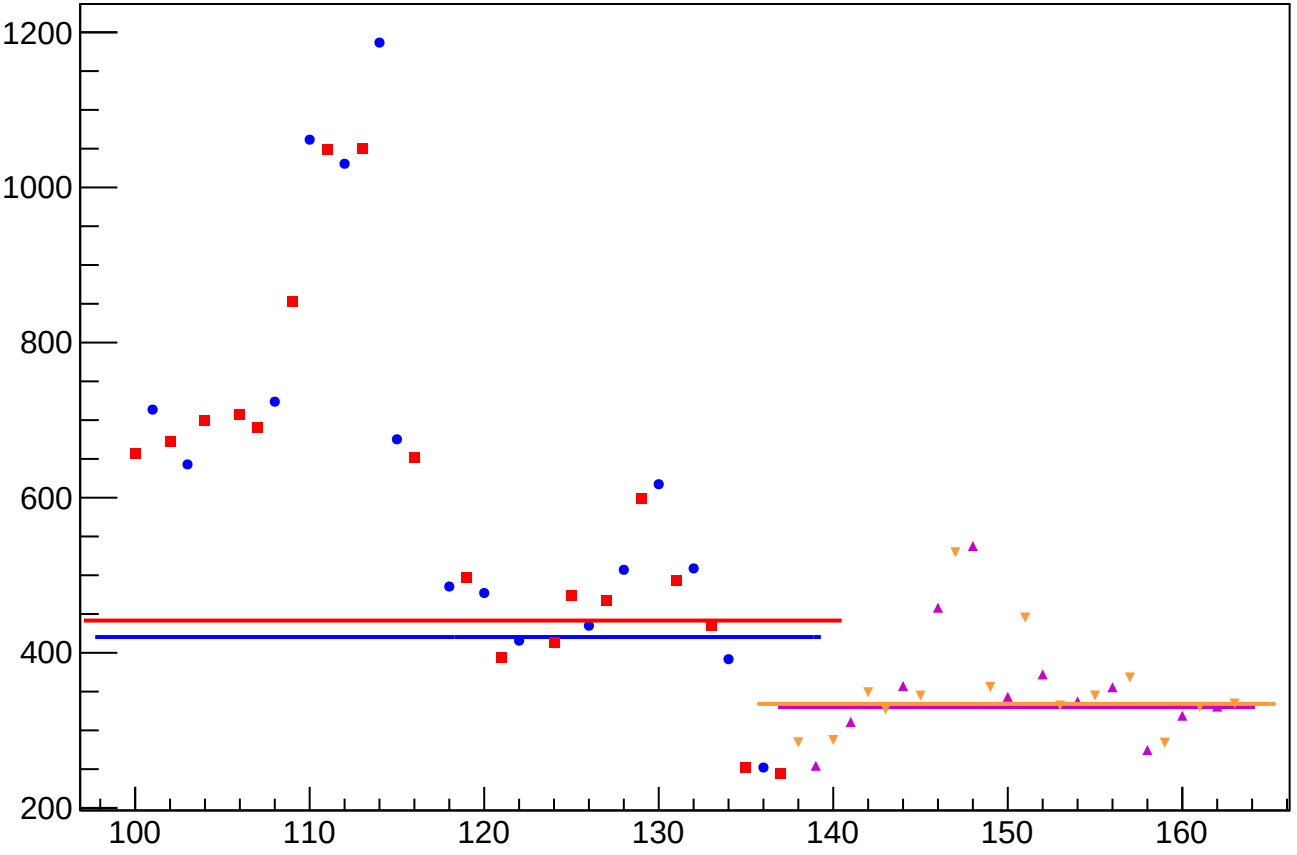
Left In: 26.995+/-104.602 χ^2/NDF:18.8/11

+ sign -39.512+/-87.073 χ^2/NDF: 30.5/29

All: 14.149+/-62.556 χ^2/NDF: 66.6/60

- sign 71.390+/-89.932 χ^2/NDF: 35.3/30

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.0/13

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

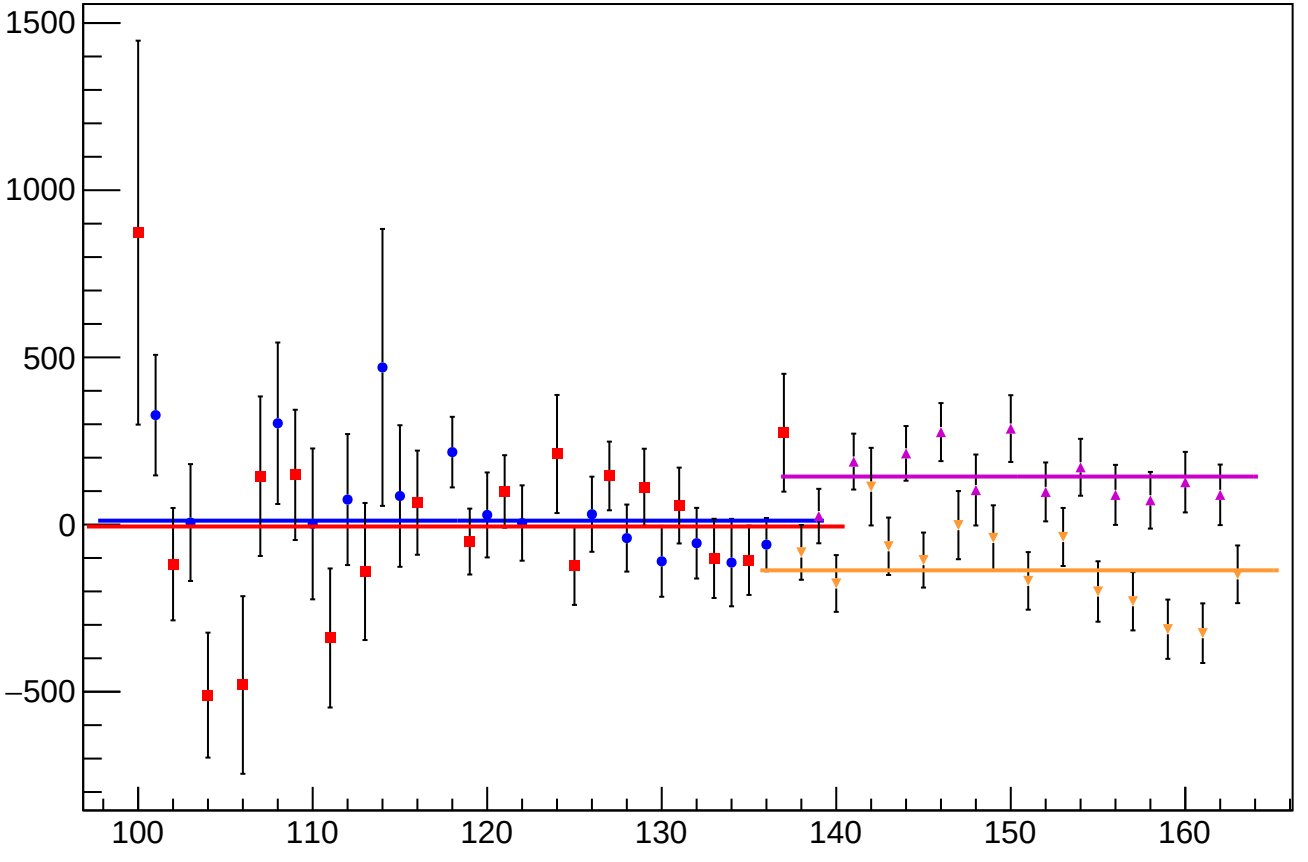
Left In: 329.993+/-0.074 χ^2/NDF:652391.3/11

+ sign 356.711+/-0.062 χ^2/NDF: 3123866.8/29

All: 357.868+/-0.044 χ^2/NDF: 6678414.8/60

- sign 359.102+/-0.064 χ^2/NDF: 3553818.5/30

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.929+/-23.864 χ^2/NDF:20.4/13

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

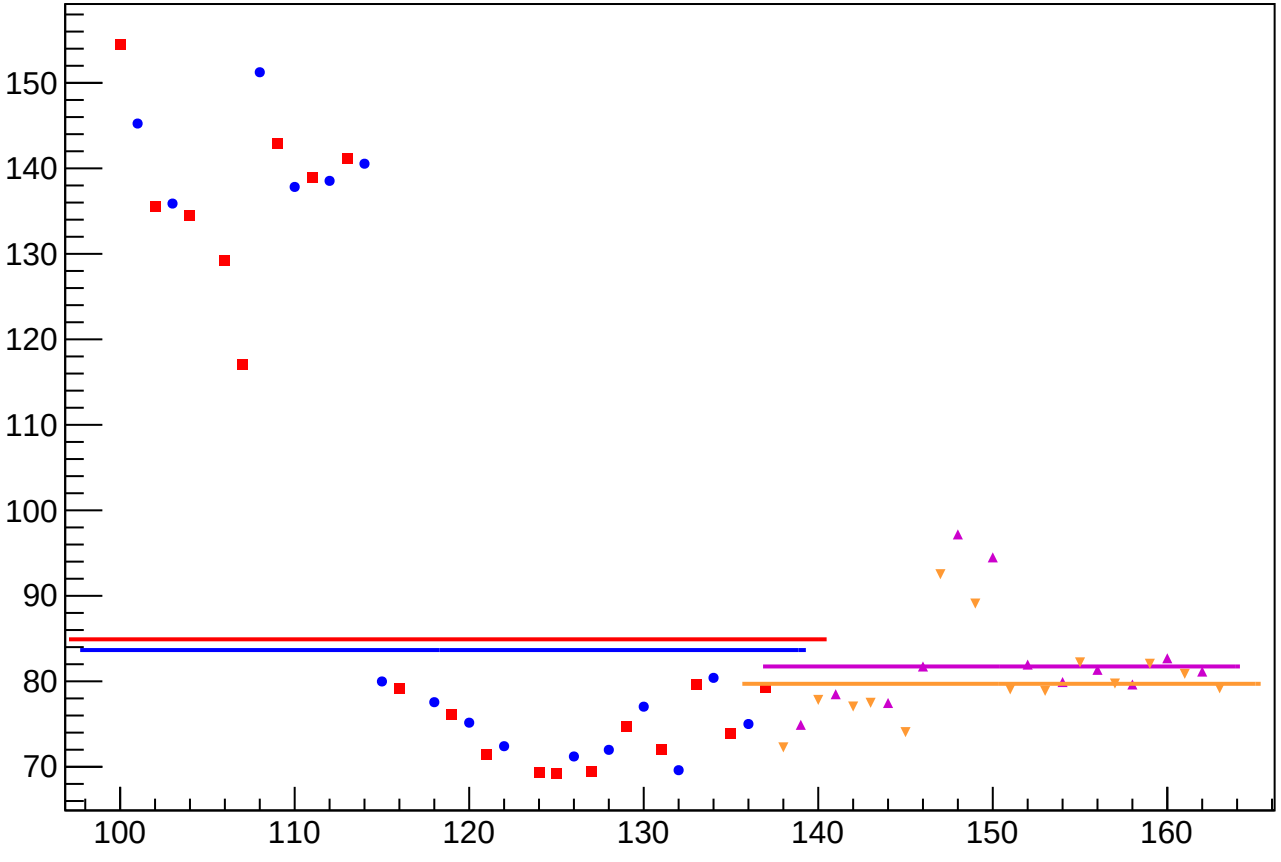
Left In: 143.533+/-25.486 χ^2/NDF:9.5/11

+ sign -84.459+/-19.193 χ^2/NDF: 47.6/29

All: -2.658+/-13.862 χ^2/NDF: 136.9/60

- sign 86.540+/-20.042 χ^2/NDF: 51.4/30

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.0/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

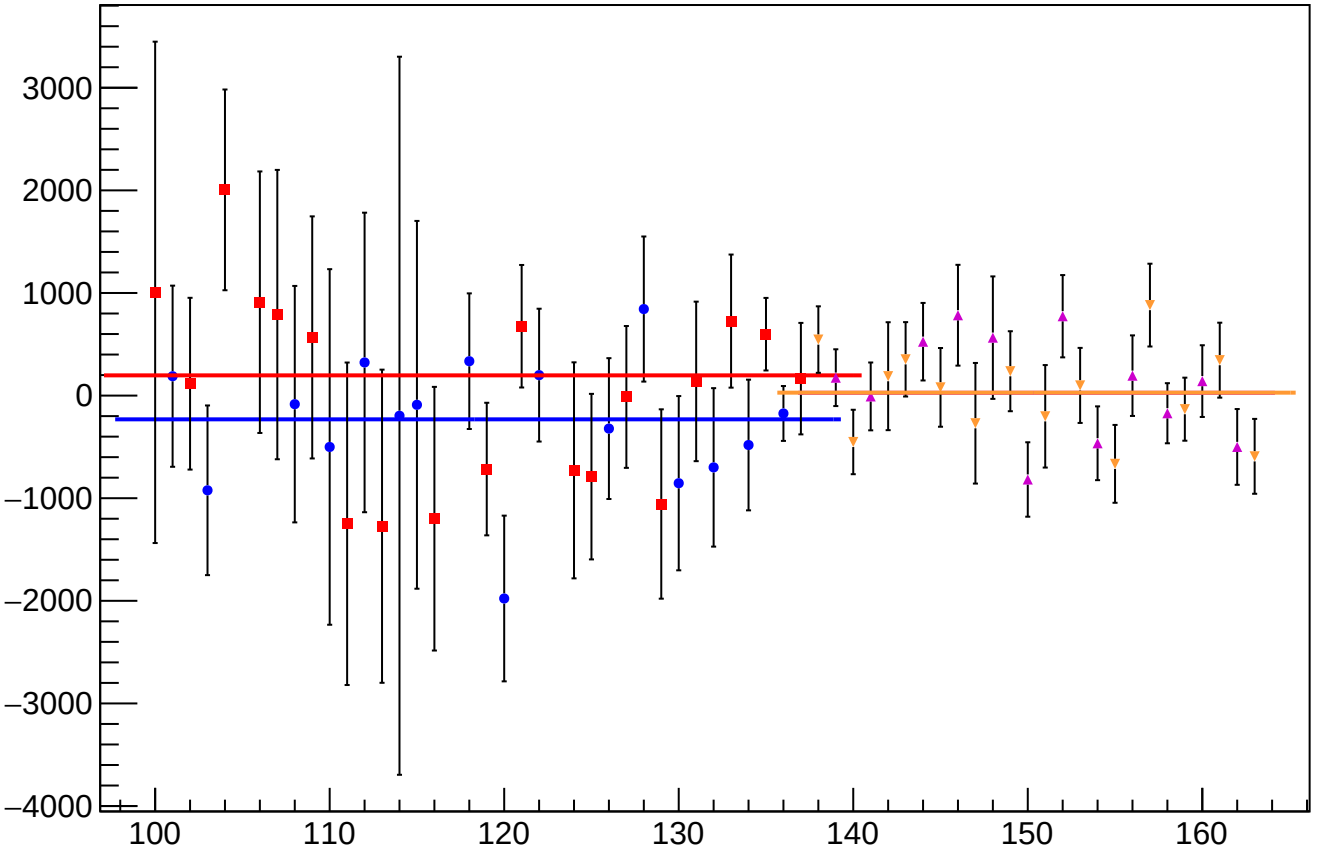
Left In: 81.738+/-0.018 χ^2/NDF:100125.7/11

+ sign 81.104+/-0.014 χ^2/NDF: 1137234.4/29

All: 81.987+/-0.010 χ^2/NDF: 2379722.0/60

- sign 82.950+/-0.014 χ^2/NDF: 1233636.6/30

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 28.591+/-101.353 χ^2/NDF:18.3/13

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

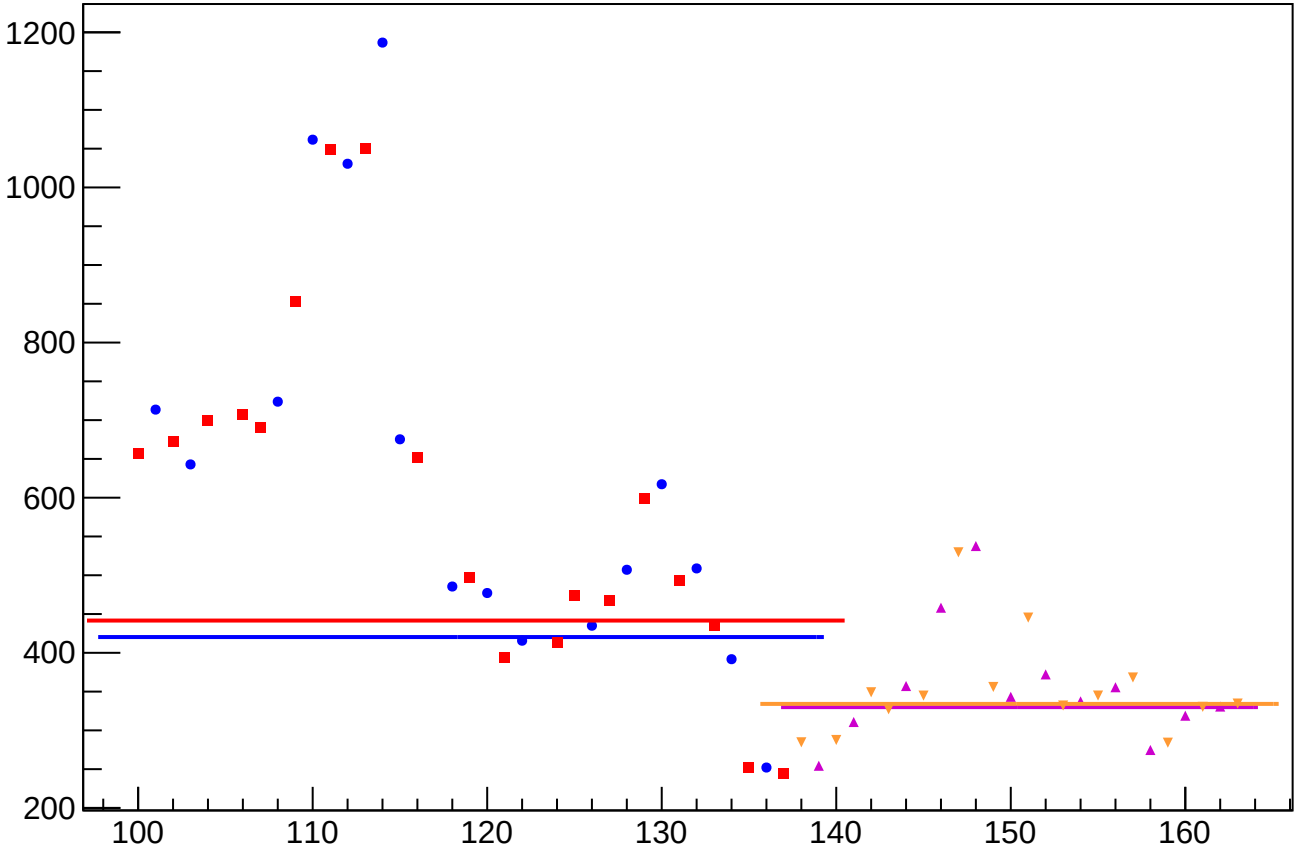
Left In: 26.995+/-104.602 χ^2/NDF:18.8/11

+ sign -39.511+/-87.073 χ^2/NDF: 30.5/29

All: 14.149+/-62.556 χ^2/NDF: 66.6/60

- sign 71.391+/-89.931 χ^2/NDF: 35.3/30

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.4/13

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

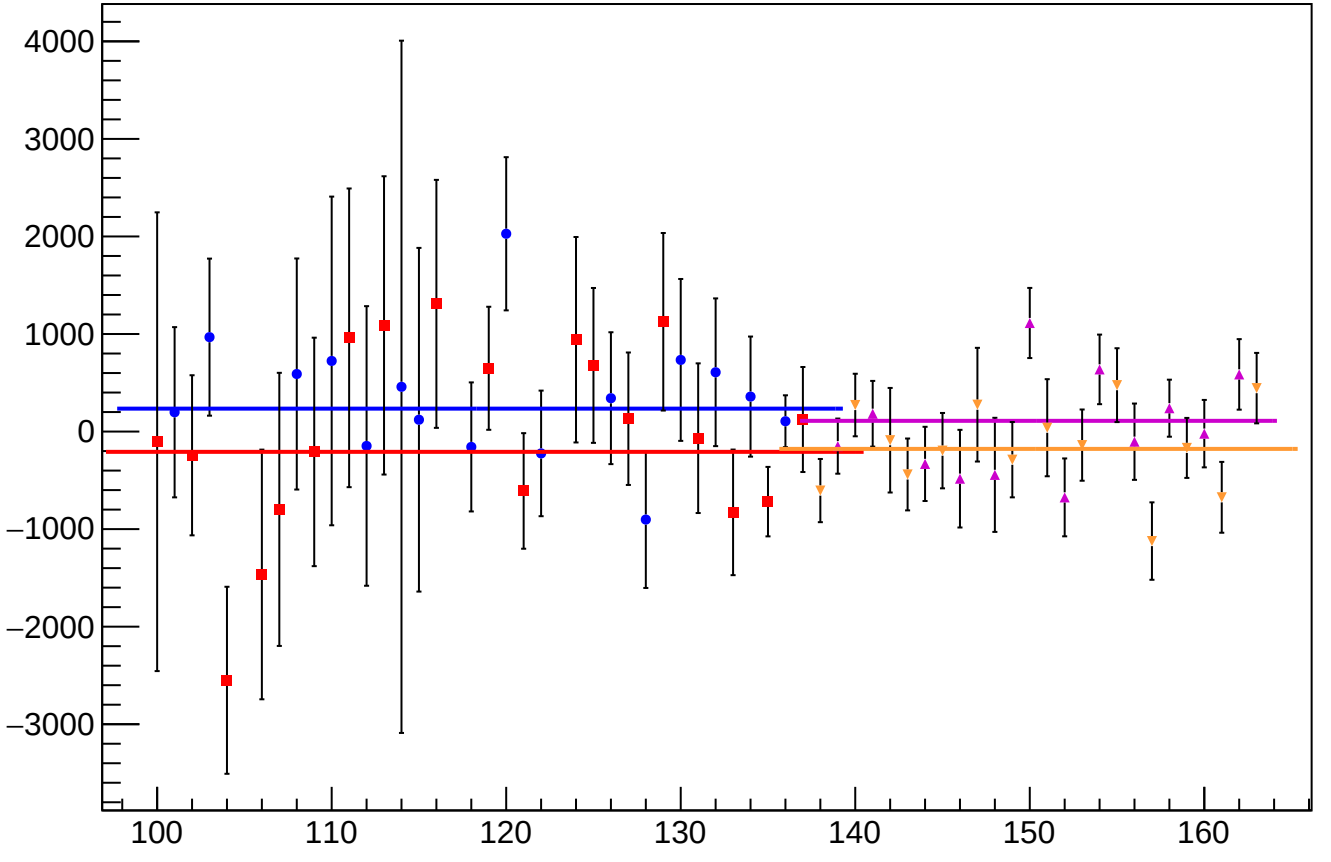
Left In: 329.993+/-0.074 χ^2/NDF:652393.0/11

+ sign 356.711+/-0.062 χ^2/NDF: 3123868.1/29

All: 357.868+/-0.044 χ^2/NDF: 6678418.7/60

- sign 359.102+/-0.064 χ^2/NDF: 3553821.0/30

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.654+/-101.451 χ^2/NDF:18.6/13

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

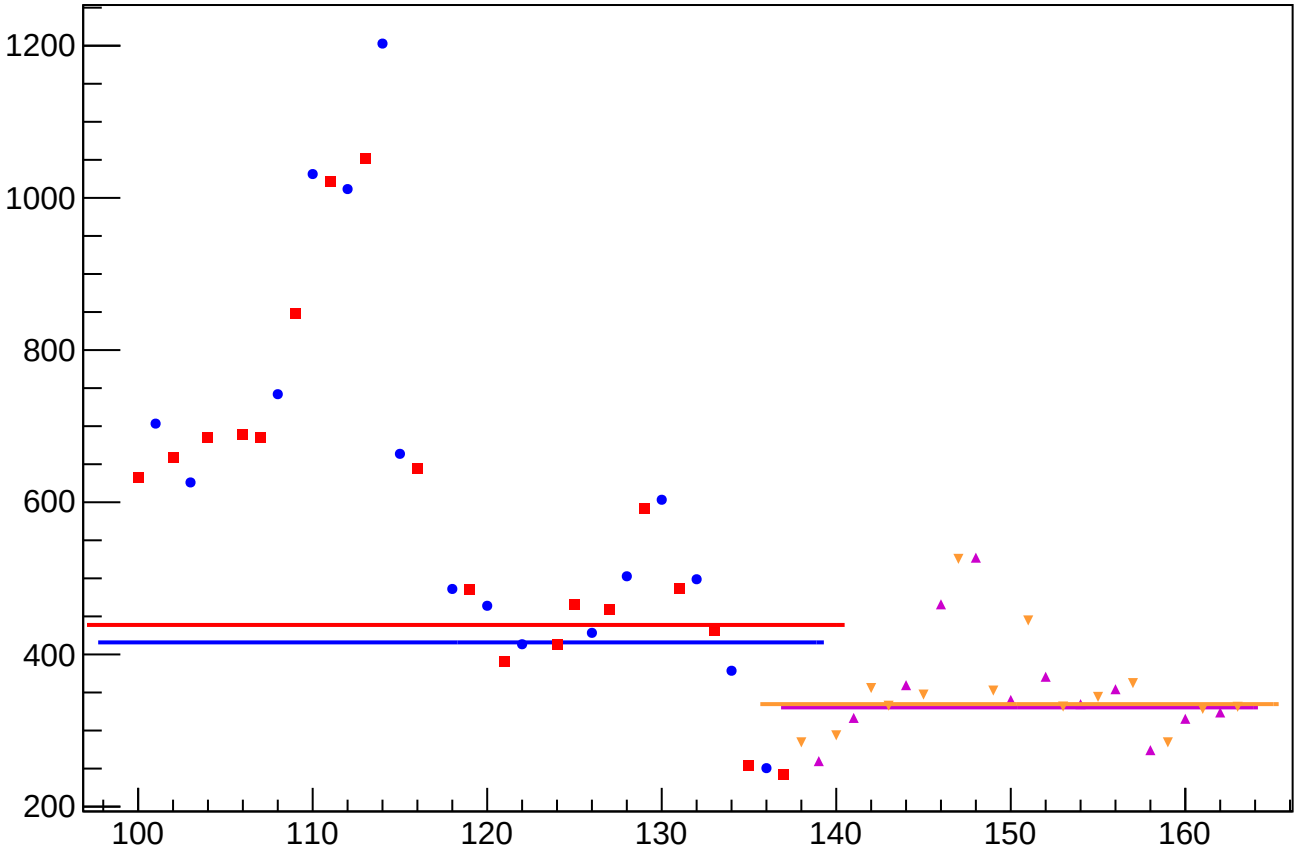
Left In: 109.957+/-104.654 χ^2/NDF:20.7/11

+ sign -67.562+/-86.872 χ^2/NDF: 33.7/29

All: -22.313+/-62.430 χ^2/NDF: 77.8/60

- sign 26.016+/-89.780 χ^2/NDF: 43.6/30

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.719+/-0.072 χ^2/NDF:467865.2/13

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

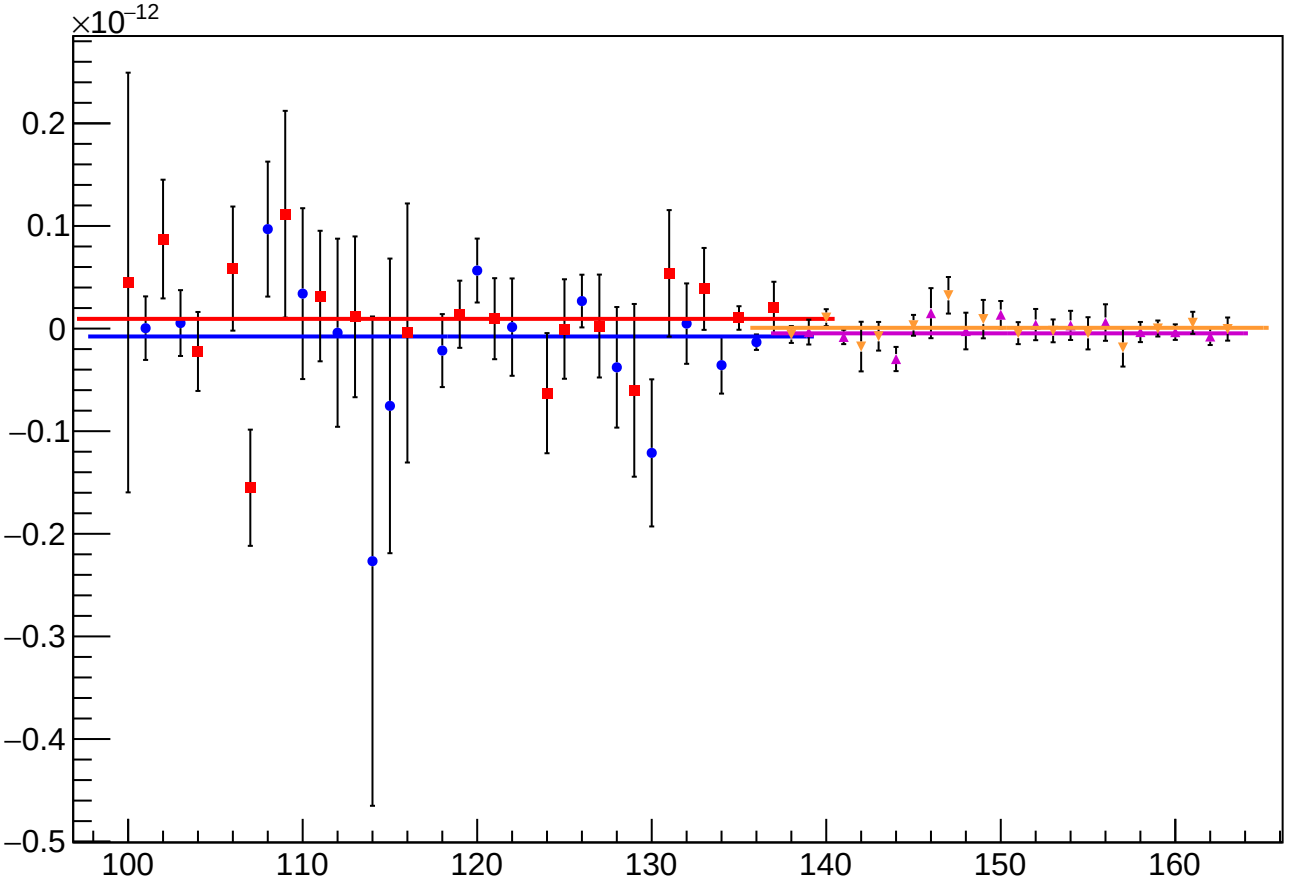
Left In: 330.397+/-0.074 χ^2/NDF:620962.8/11

+ sign 356.358+/-0.061 χ^2/NDF: 3032927.5/29

All: 357.642+/-0.044 χ^2/NDF: 6455915.3/60

- sign 359.014+/-0.063 χ^2/NDF: 3422083.9/30

asym_sam1_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:8.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

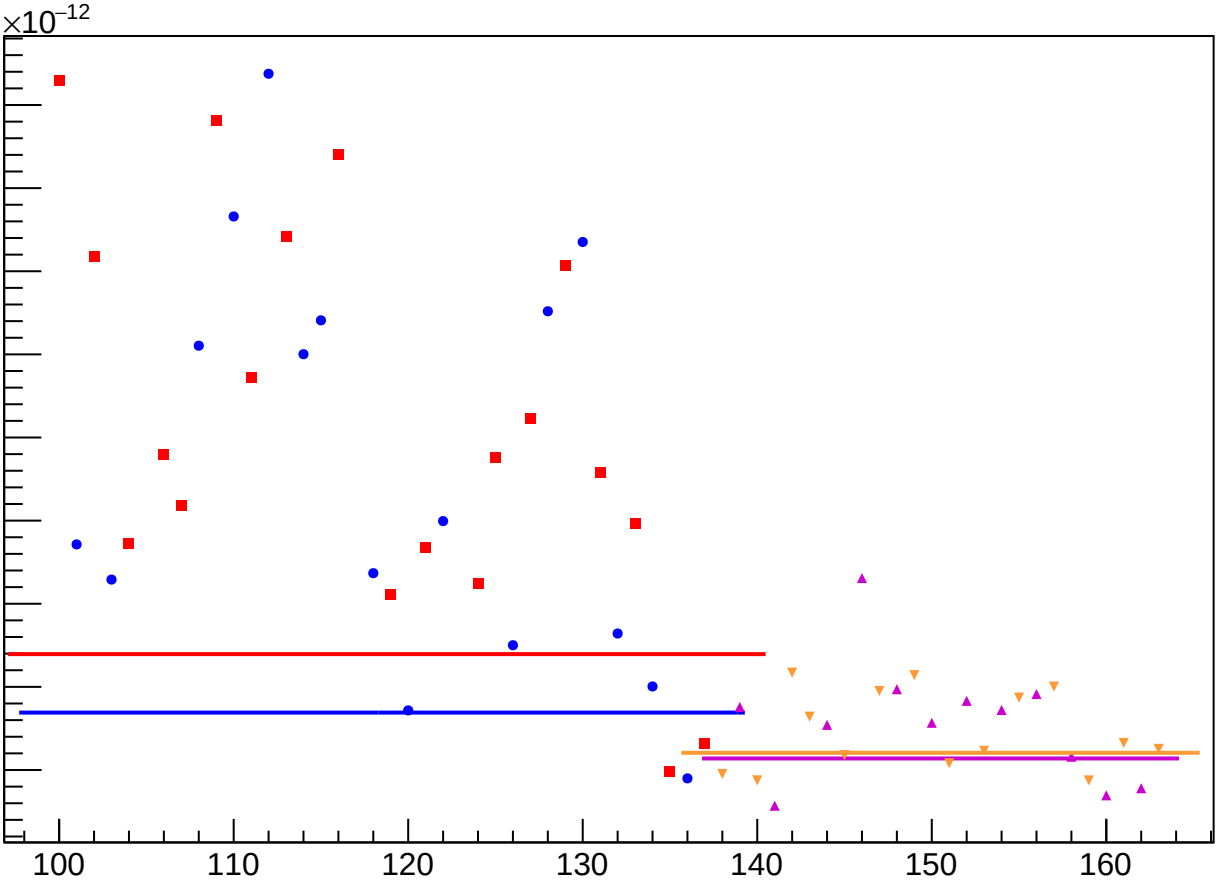
Left In: -0.000+/-0.000 χ^2/NDF:8.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: -0.000+/-0.000 χ^2/NDF: 52.0/60

- sign -0.000+/-0.000 χ^2/NDF: 27.4/30

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:756072.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

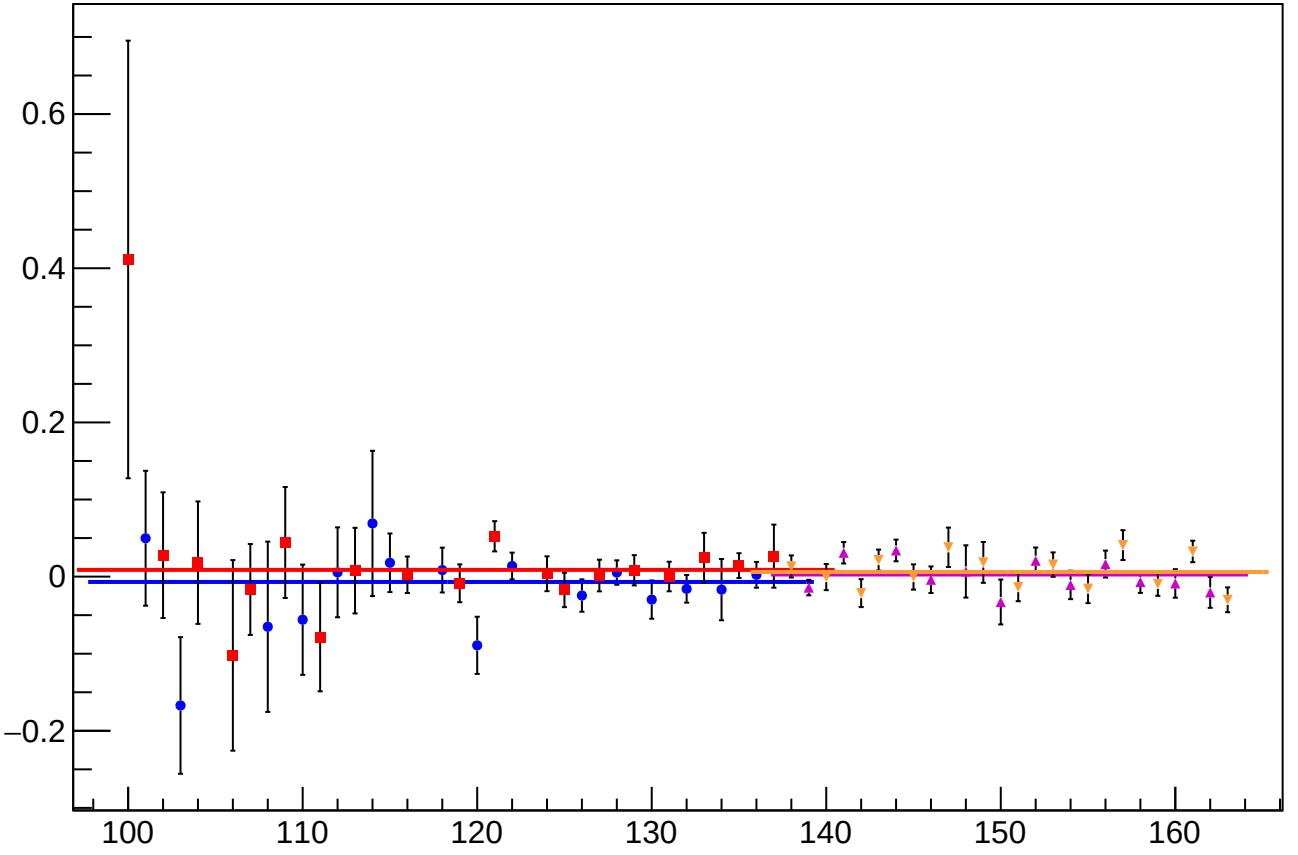
Left In: 0.000+/-0.000 χ^2/NDF:1620984.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 3760381.9/29

All: 0.000+/-0.000 χ^2/NDF: 9171143.7/60

- sign 0.000+/-0.000 χ^2/NDF: 5410740.6/30

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

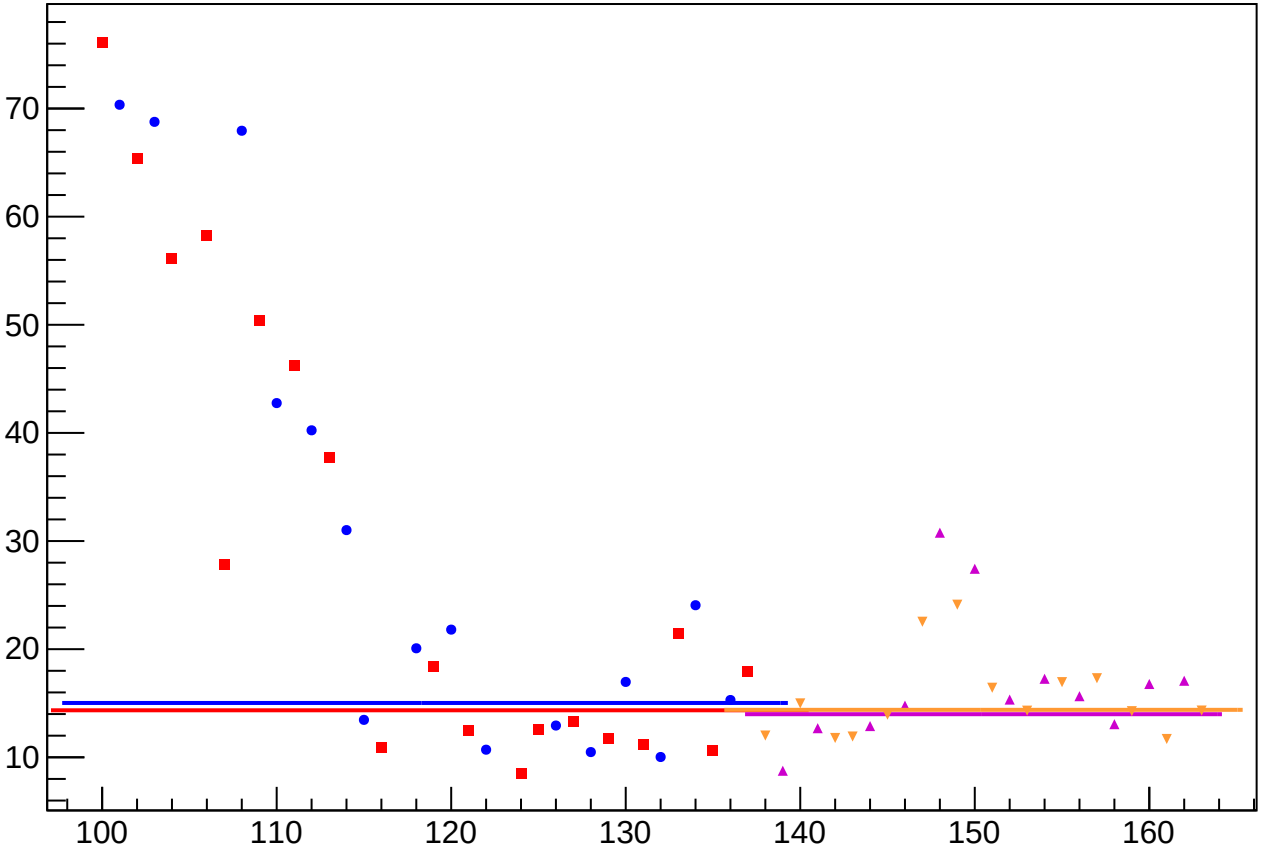
Left In: 0.003+/-0.005 χ^2/NDF:18.0/11

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.003+/-0.003 χ^2/NDF: 70.7/60

- sign 0.005+/-0.004 χ^2/NDF: 31.2/30

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

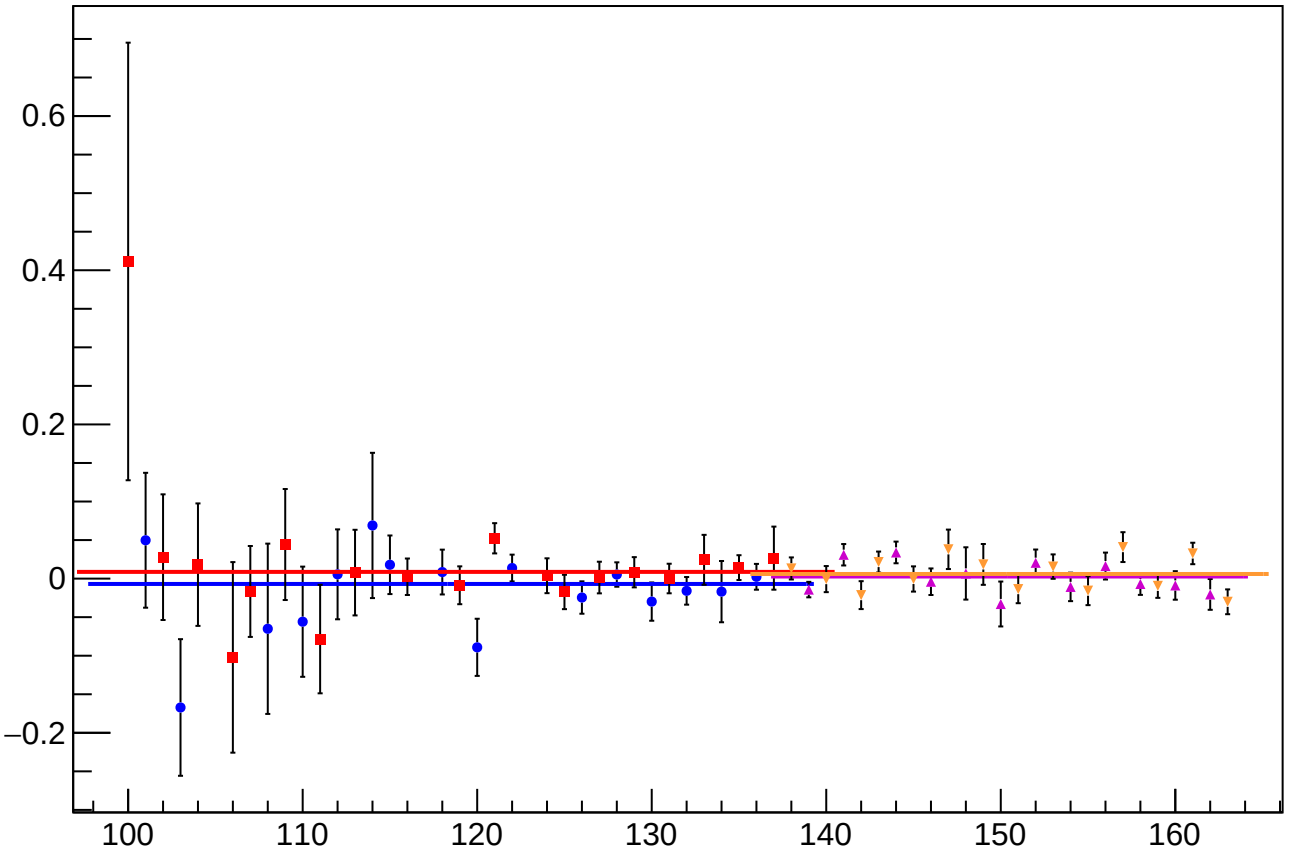
Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687889.1/11

+ sign 14.587+/-0.003 χ^2/NDF: 4272173.8/29

All: 14.352+/-0.002 χ^2/NDF: 9609159.9/60

- sign 14.113+/-0.003 χ^2/NDF: 5321083.0/30



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

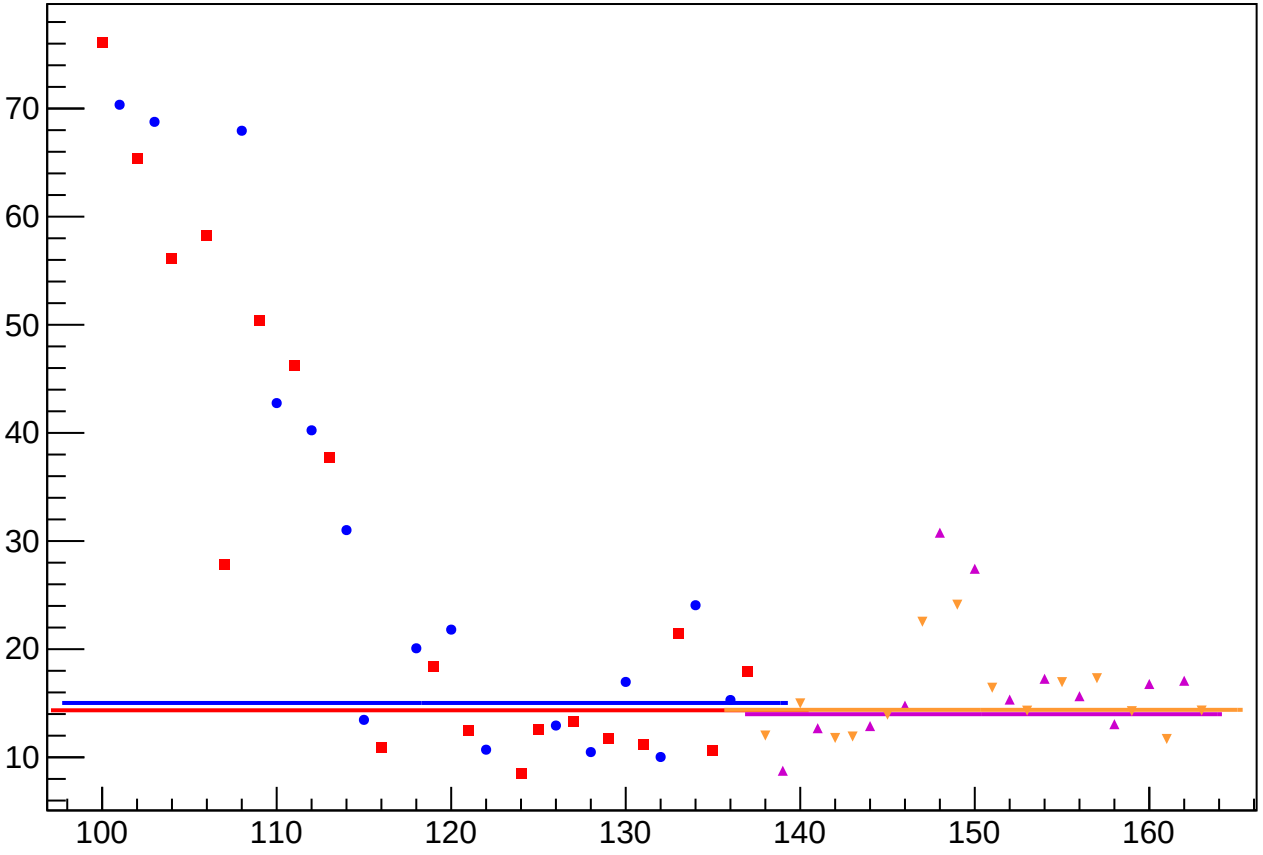
Left In: 0.003+/-0.005 χ^2/NDF:18.0/11

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.003+/-0.003 χ^2/NDF: 70.7/60

- sign 0.005+/-0.004 χ^2/NDF: 31.2/30

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

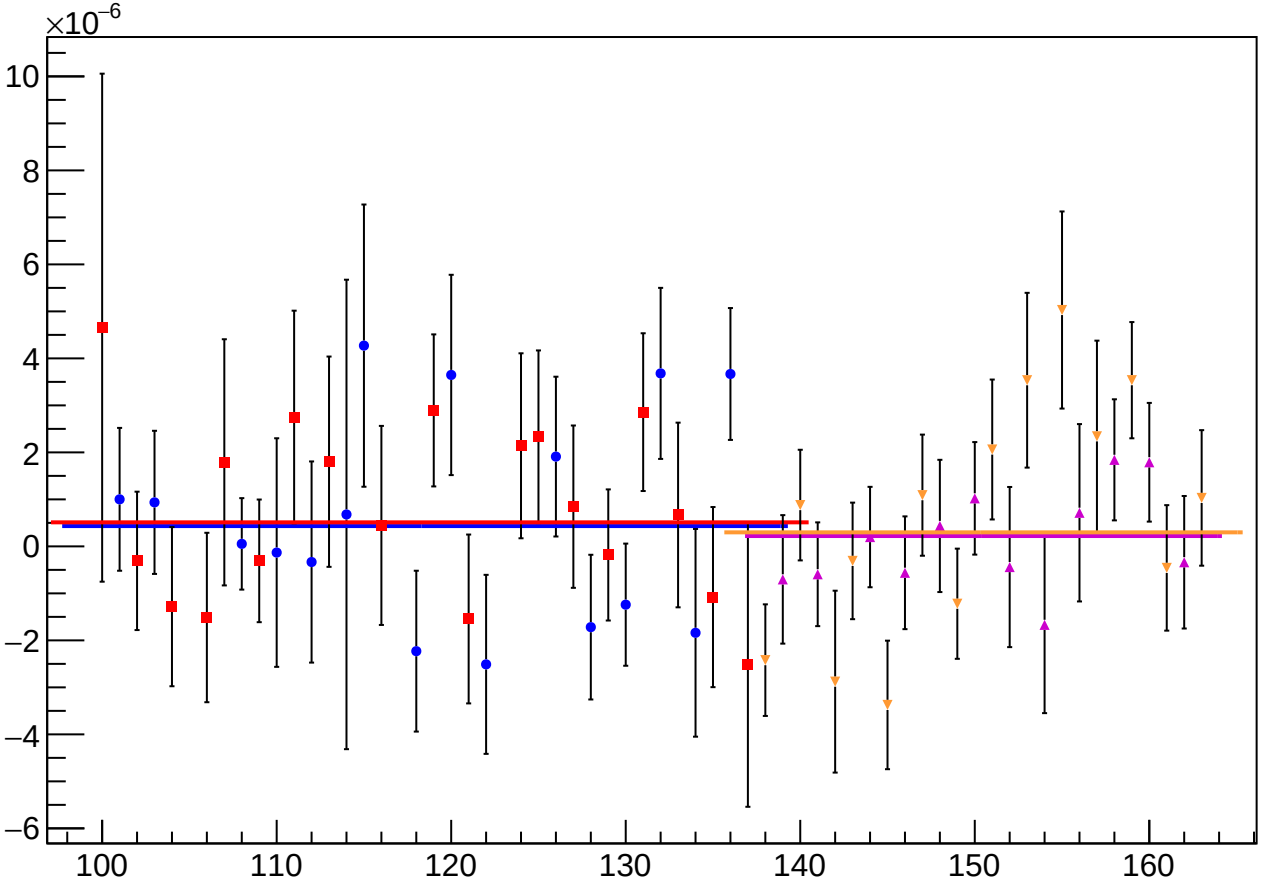
Left In: 13.986+/-0.003 χ^2/NDF:1687889.1/11

+ sign 14.587+/-0.003 χ^2/NDF: 4272173.8/29

All: 14.352+/-0.002 χ^2/NDF: 9609159.9/60

- sign 14.113+/-0.003 χ^2/NDF: 5321083.0/30

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:35.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

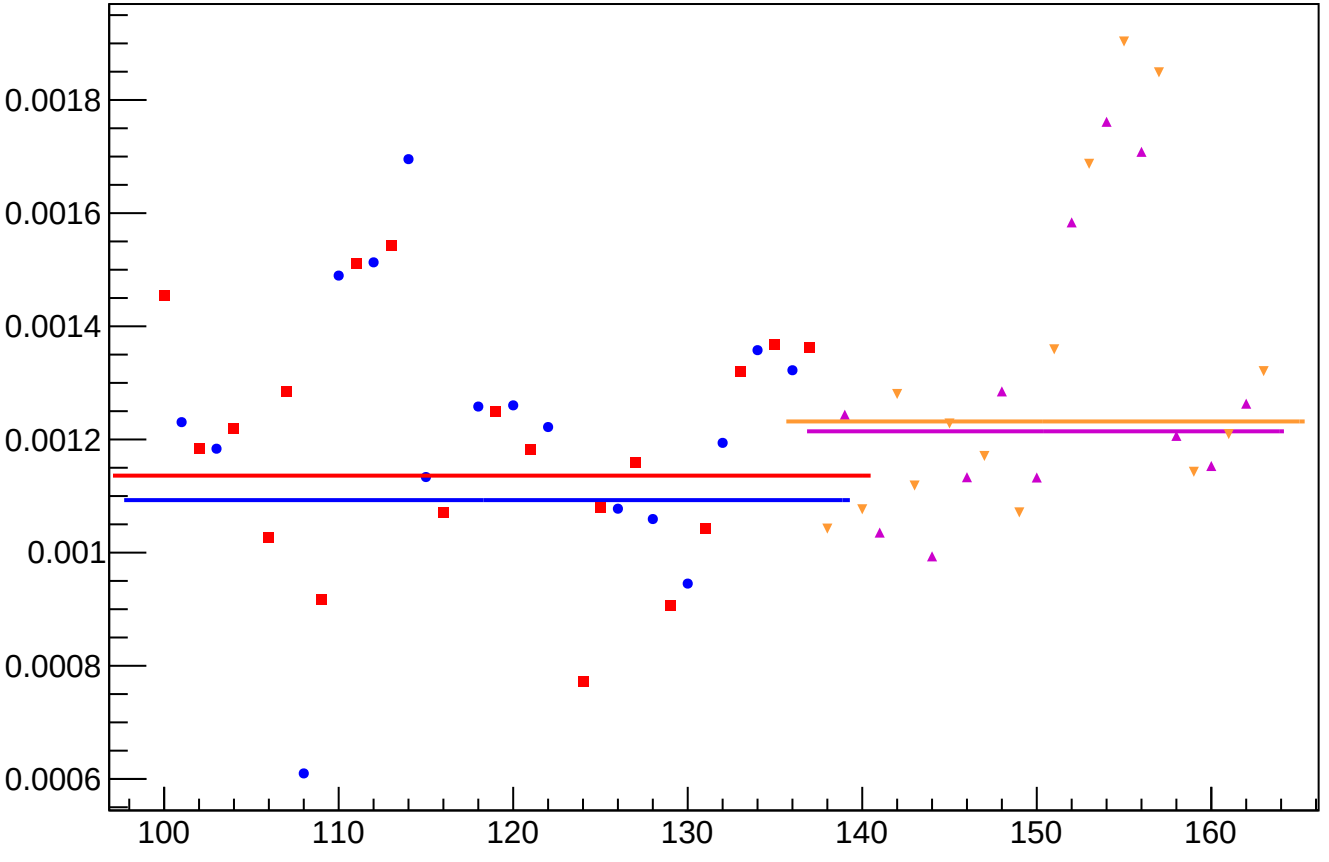
Left In: 0.000+/-0.000 χ^2/NDF:6.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/29

All: 0.000+/-0.000 χ^2/NDF: 79.9/60

- sign 0.000+/-0.000 χ^2/NDF: 21.0/30

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:687660.7/13

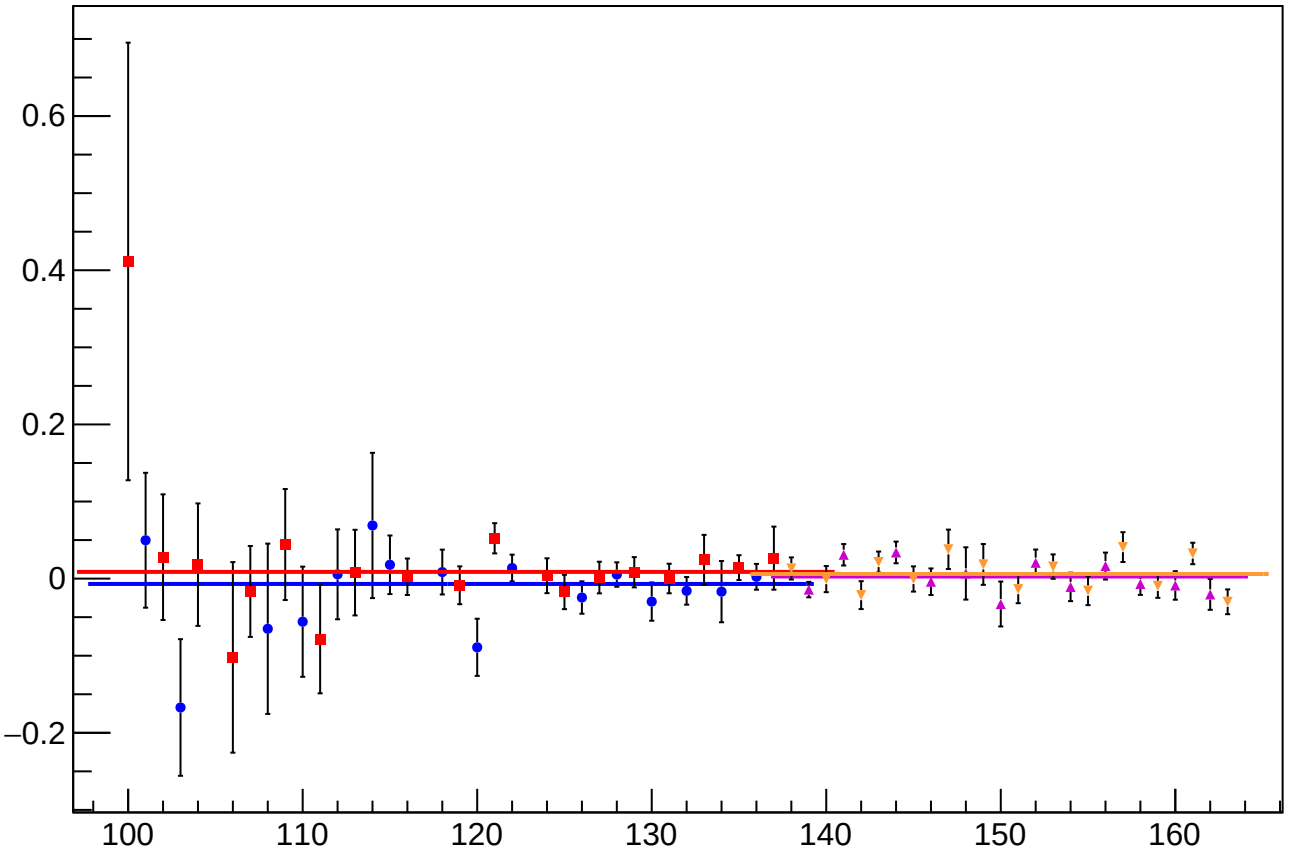
Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

Left In: 0.001+/-0.000 χ^2/NDF:570349.7/11

+ sign 0.001+/-0.000 χ^2/NDF: 1641549.2/29

All: 0.001+/-0.000 χ^2/NDF: 2657694.8/60

- sign 0.001+/-0.000 χ^2/NDF: 1015177.0/30



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

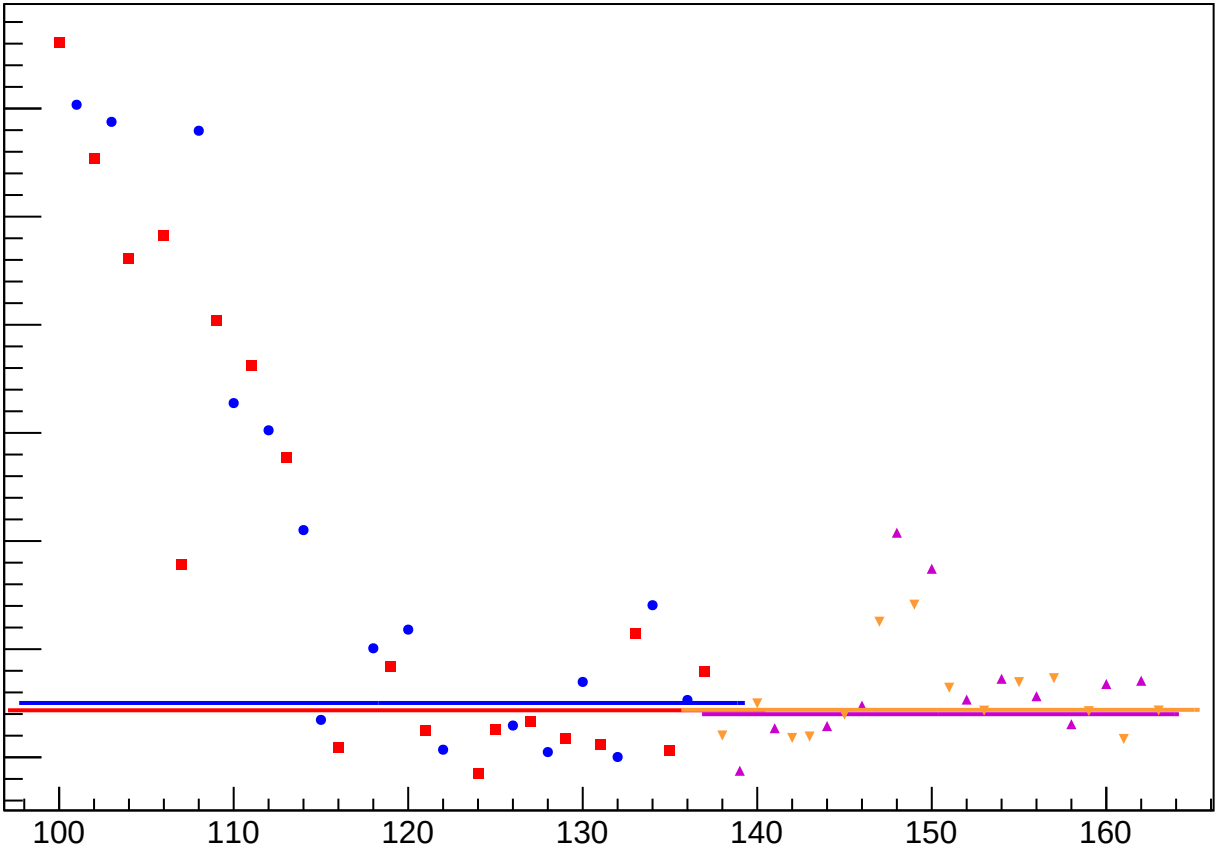
Left In: 0.003+/-0.005 χ^2/NDF:18.0/11

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.003+/-0.003 χ^2/NDF: 70.7/60

- sign 0.005+/-0.004 χ^2/NDF: 31.2/30

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

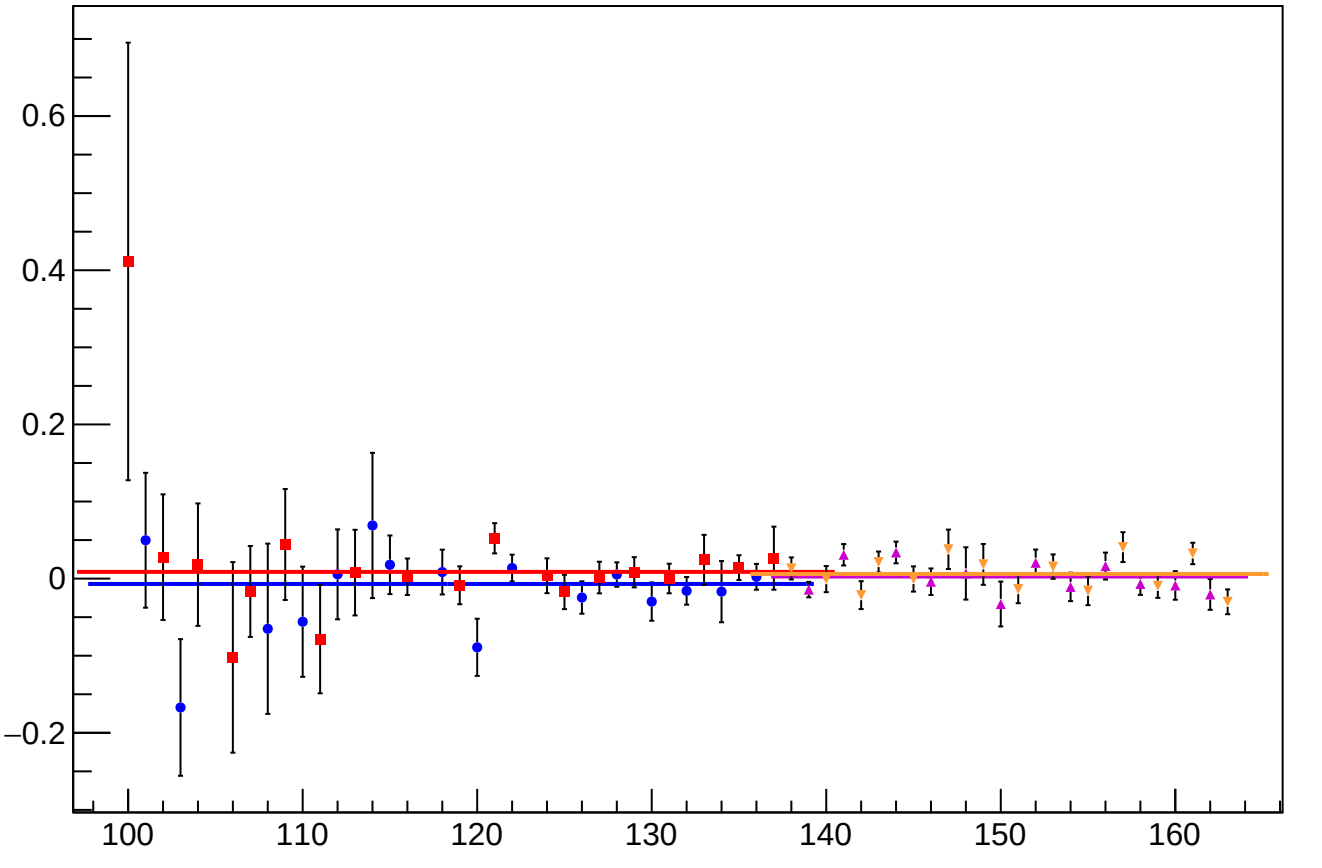
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687925.3/11

+ sign 14.587+/-0.003 χ^2/NDF: 4272236.0/29

All: 14.352+/-0.002 χ^2/NDF: 9609246.3/60

- sign 14.113+/-0.003 χ^2/NDF: 5321108.3/30



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

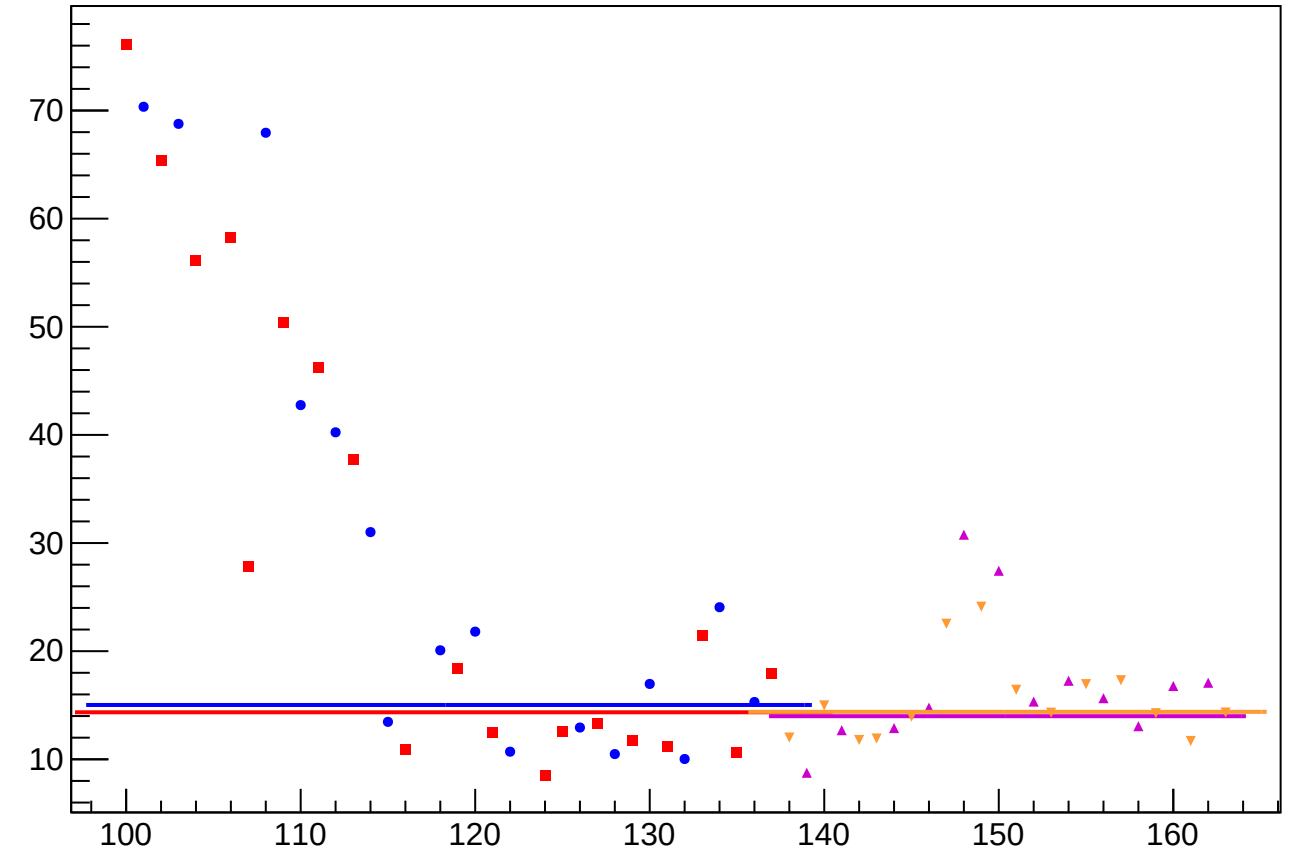
Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.005 χ^2/NDF:18.0/11

+ sign 0.002+/-0.004 χ^2/NDF: 39.2/29

All: 0.003+/-0.003 χ^2/NDF: 70.7/60

- sign 0.005+/-0.004 χ^2/NDF: 31.2/30



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

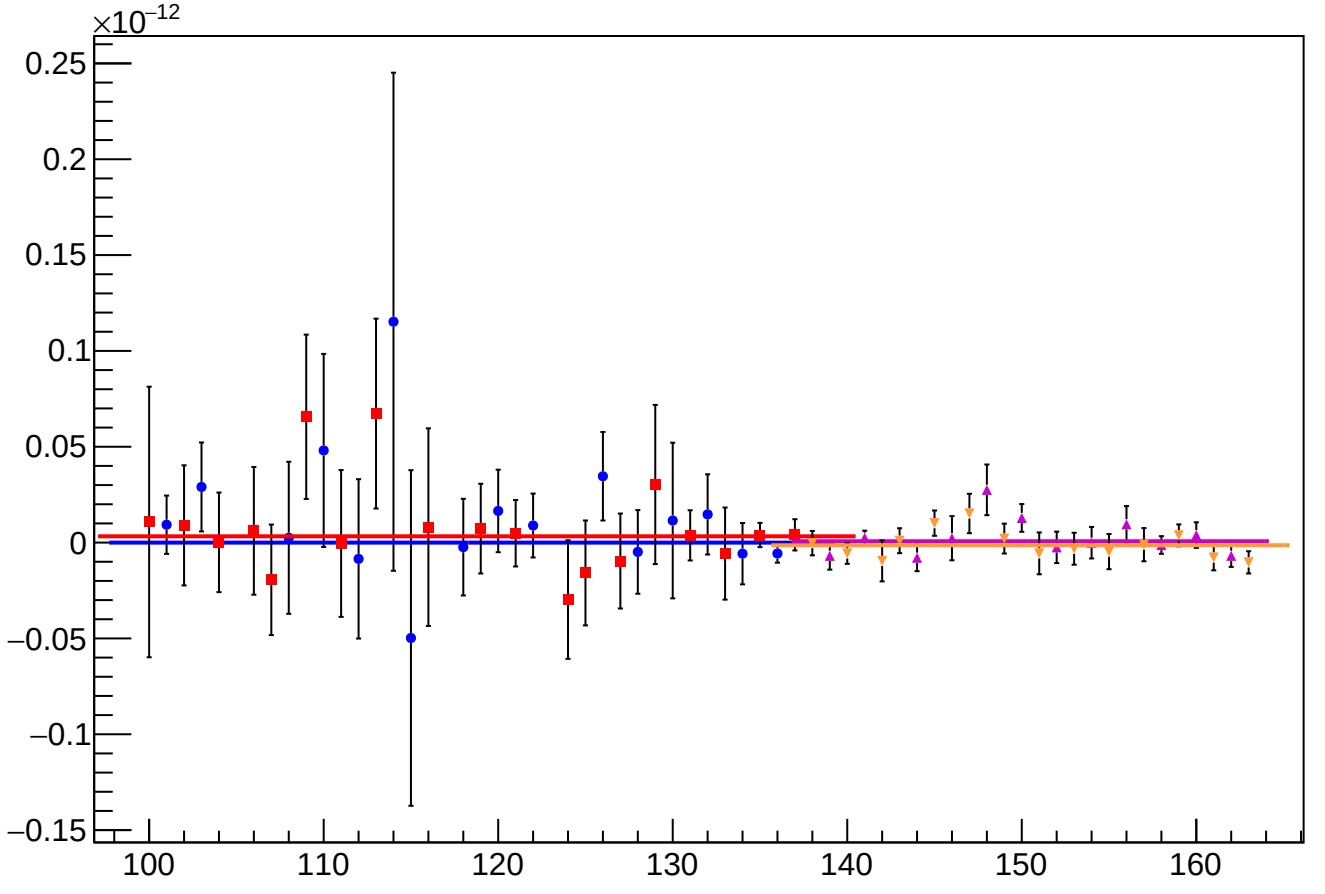
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687925.3/11

+ sign 14.587+/-0.003 χ^2/NDF: 4272236.0/29

All: 14.352+/-0.002 χ^2/NDF: 9609246.3/60

- sign 14.113+/-0.003 χ^2/NDF: 5321108.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

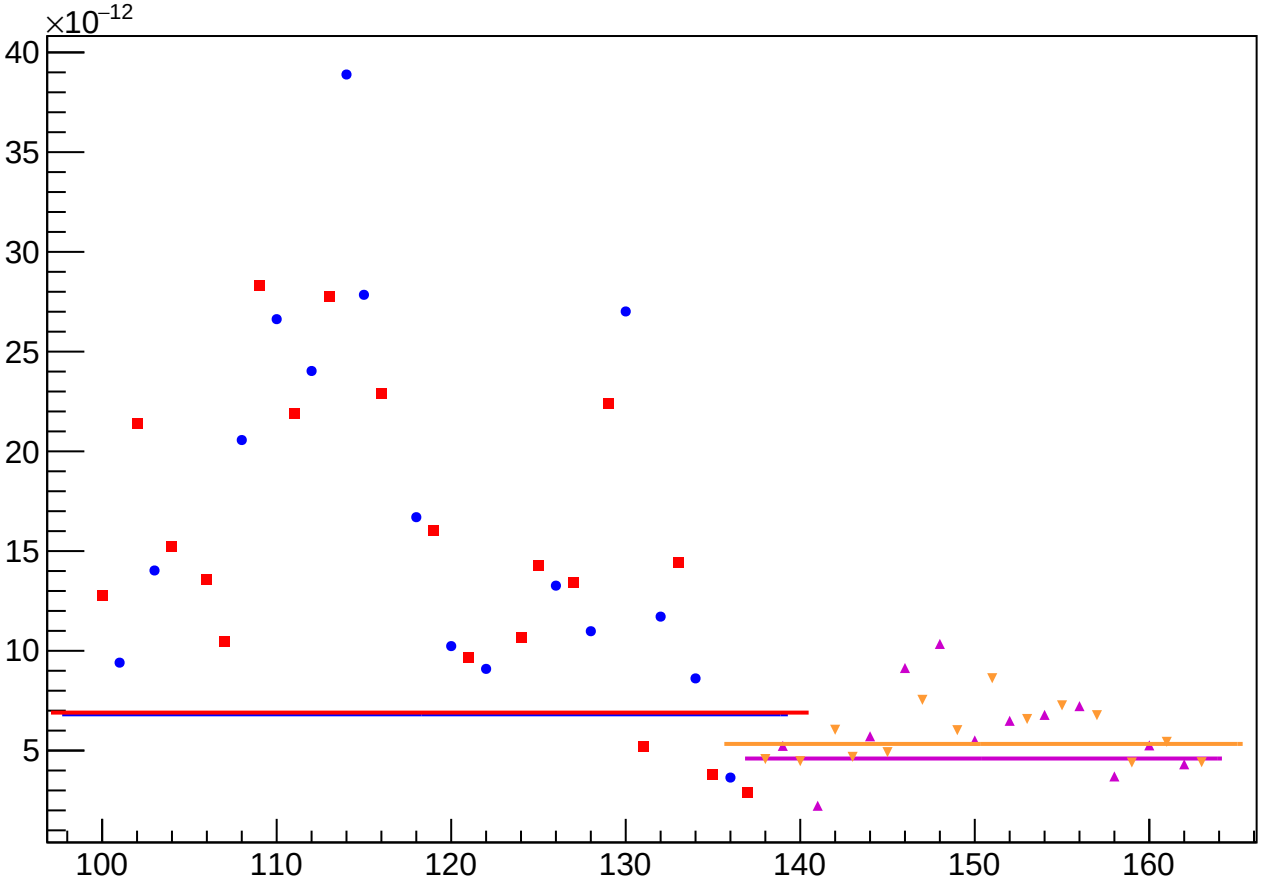
Left In: 0.000+/-0.000 χ^2/NDF:13.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 21.1/29

All: 0.000+/-0.000 χ^2/NDF: 42.3/60

- sign 0.000+/-0.000 χ^2/NDF: 20.3/30

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:698289.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

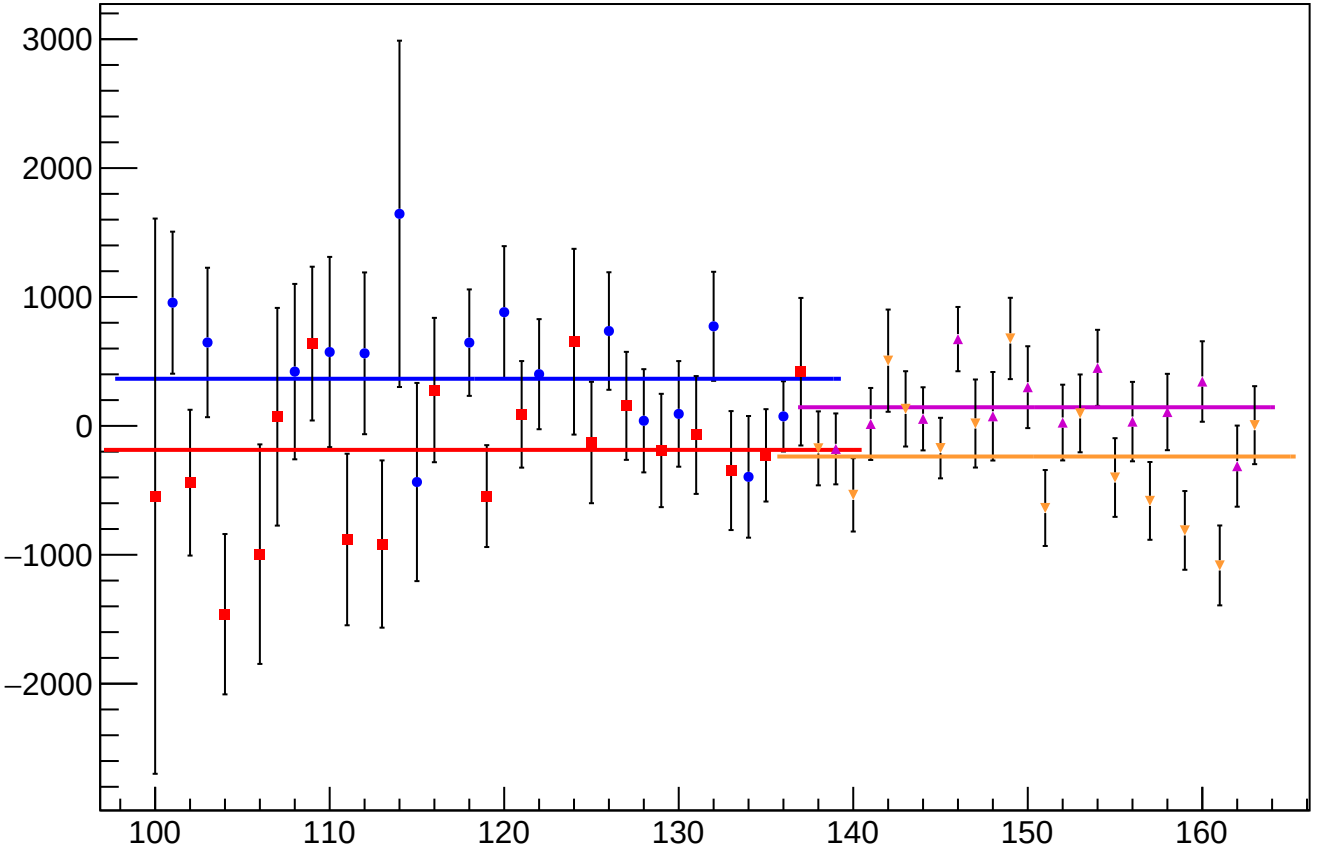
Left In: 0.000+/-0.000 χ^2/NDF:2103257.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 4453784.1/29

All: 0.000+/-0.000 χ^2/NDF: 11482834.4/60

- sign 0.000+/-0.000 χ^2/NDF: 6899675.6/30

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.664+/-80.169 χ^2/NDF:31.6/13

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

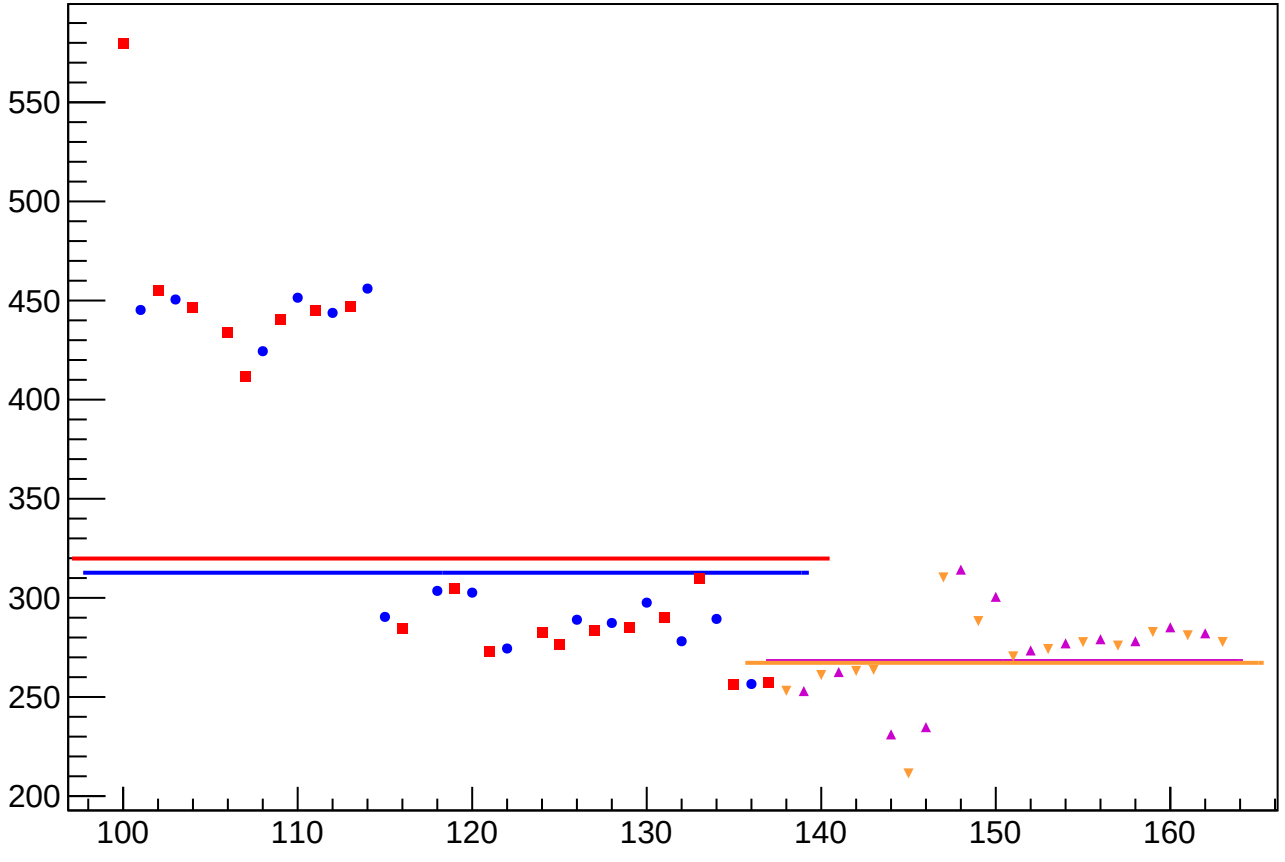
Left In: 144.569+/-83.757 χ^2/NDF:10.4/11

+ sign -49.081+/-66.466 χ^2/NDF: 60.8/29

All: -7.733+/-47.775 χ^2/NDF: 92.1/60

- sign 36.462+/-68.717 χ^2/NDF: 30.5/30

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

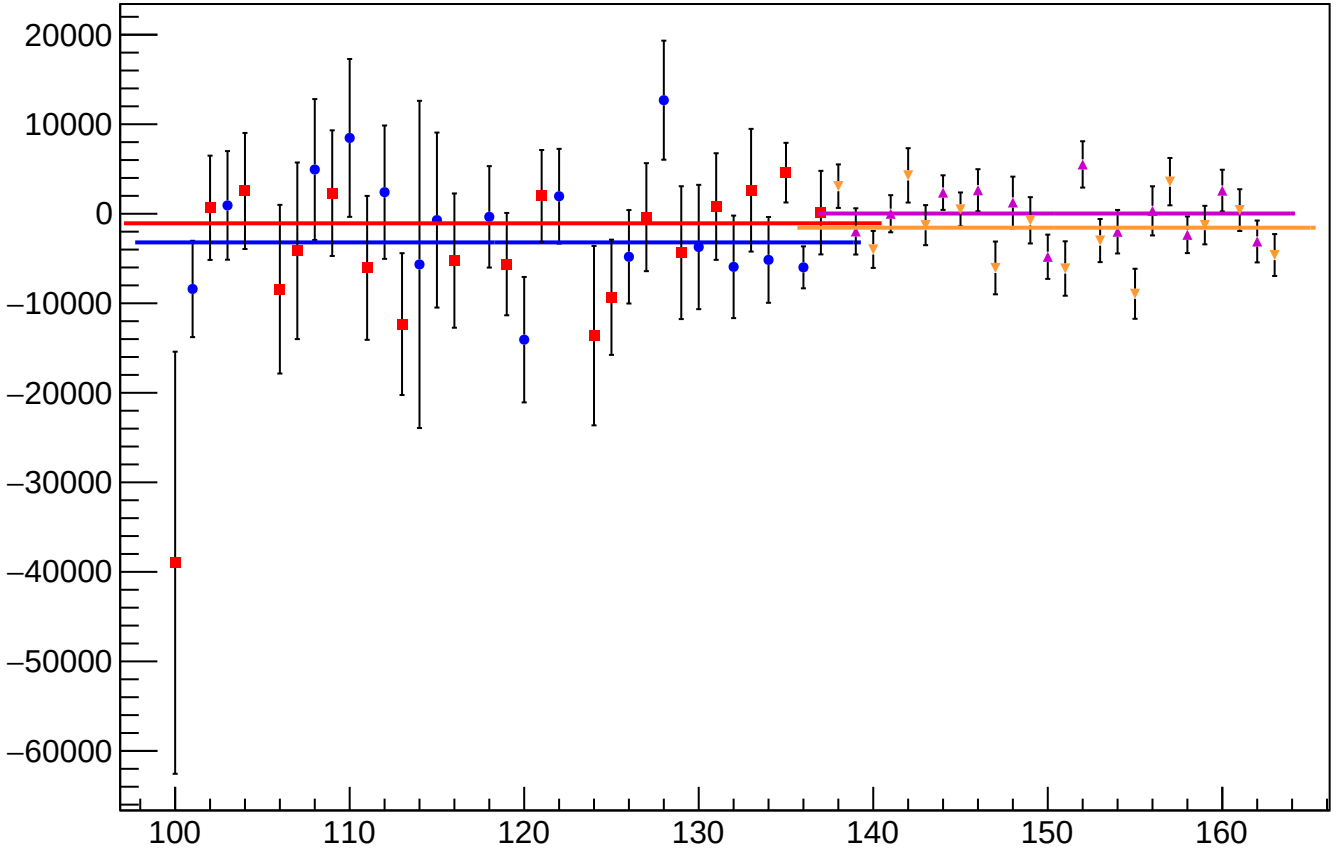
Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

+ sign 281.444+/-0.047 χ^2/NDF: 979964.5/29

All: 283.177+/-0.034 χ^2/NDF: 2092336.7/60

- sign 285.029+/-0.049 χ^2/NDF: 1109559.9/30

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1557.231+/-647.012 χ^2/NDF:28.1/13

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

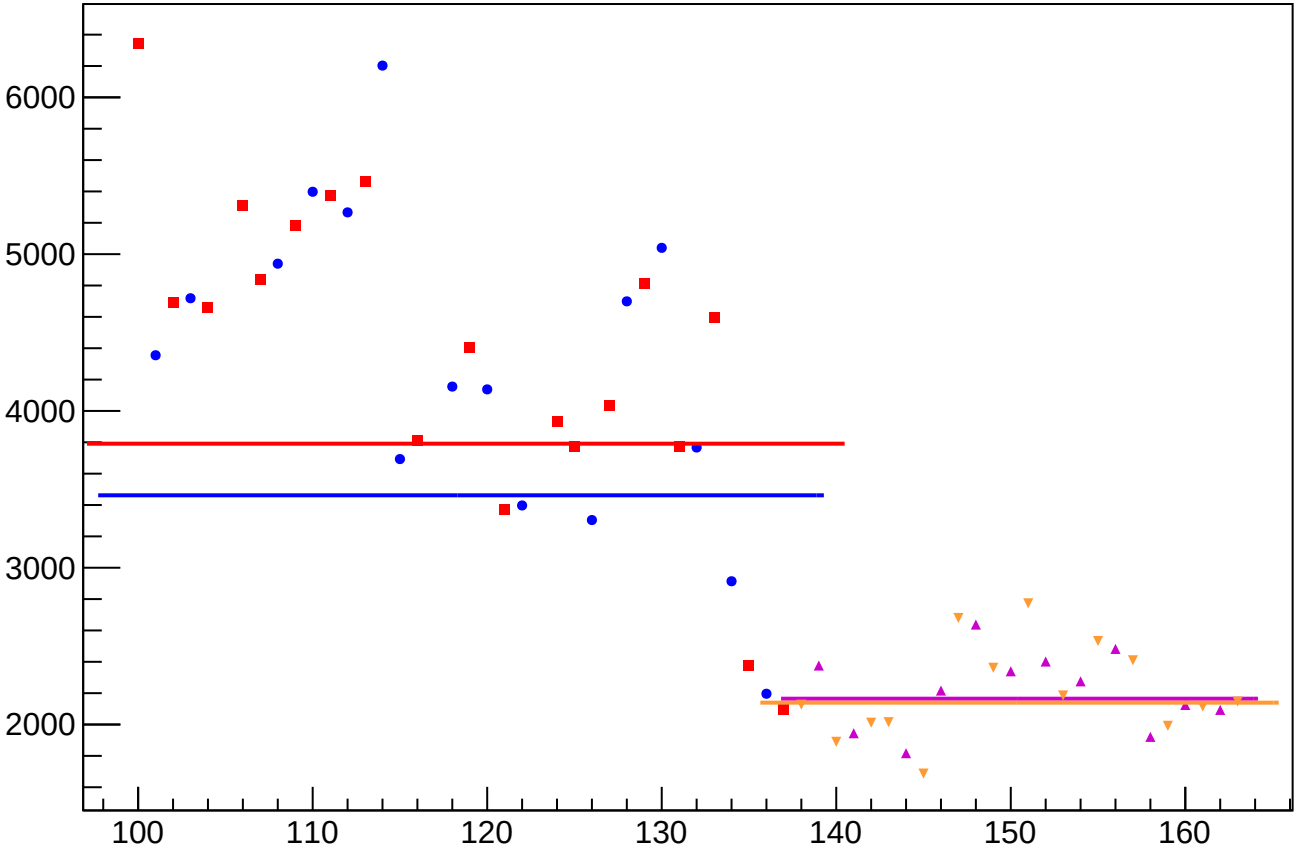
Left In: 27.694+/-678.362 χ^2/NDF:16.8/11

+ sign -1862.448+/-583.770 χ^2/NDF: 45.4/29

All: -1058.906+/-423.049 χ^2/NDF: 81.1/60

- sign -170.178+/-613.934 χ^2/NDF: 31.7/30

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392748.7/13

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

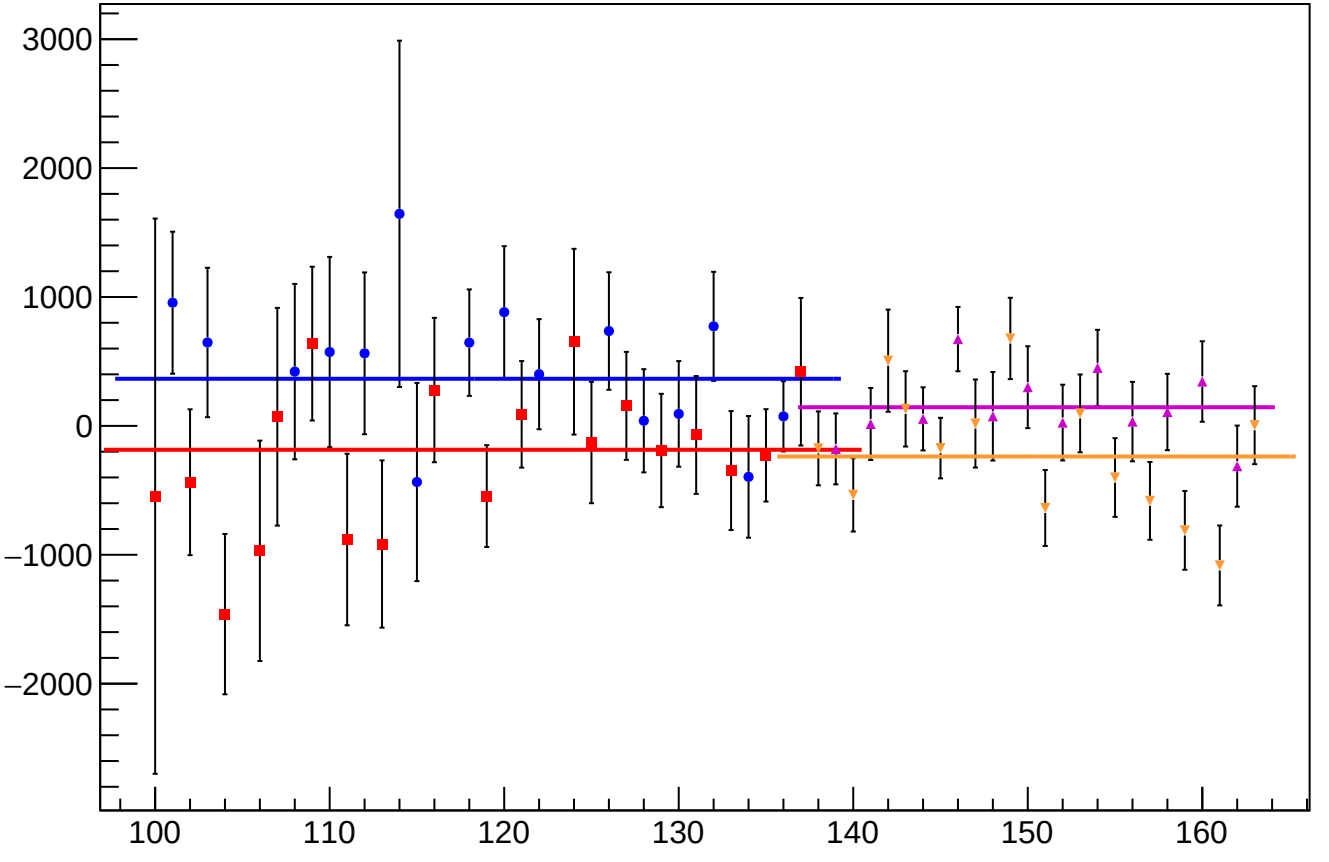
Left In: 2164.728+/-0.480 χ^2/NDF:244020.8/11

+ sign 2385.394+/-0.413 χ^2/NDF: 3255821.8/29

All: 2420.349+/-0.299 χ^2/NDF: 6750963.4/60

- sign 2459.010+/-0.434 χ^2/NDF: 3480039.9/30

cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

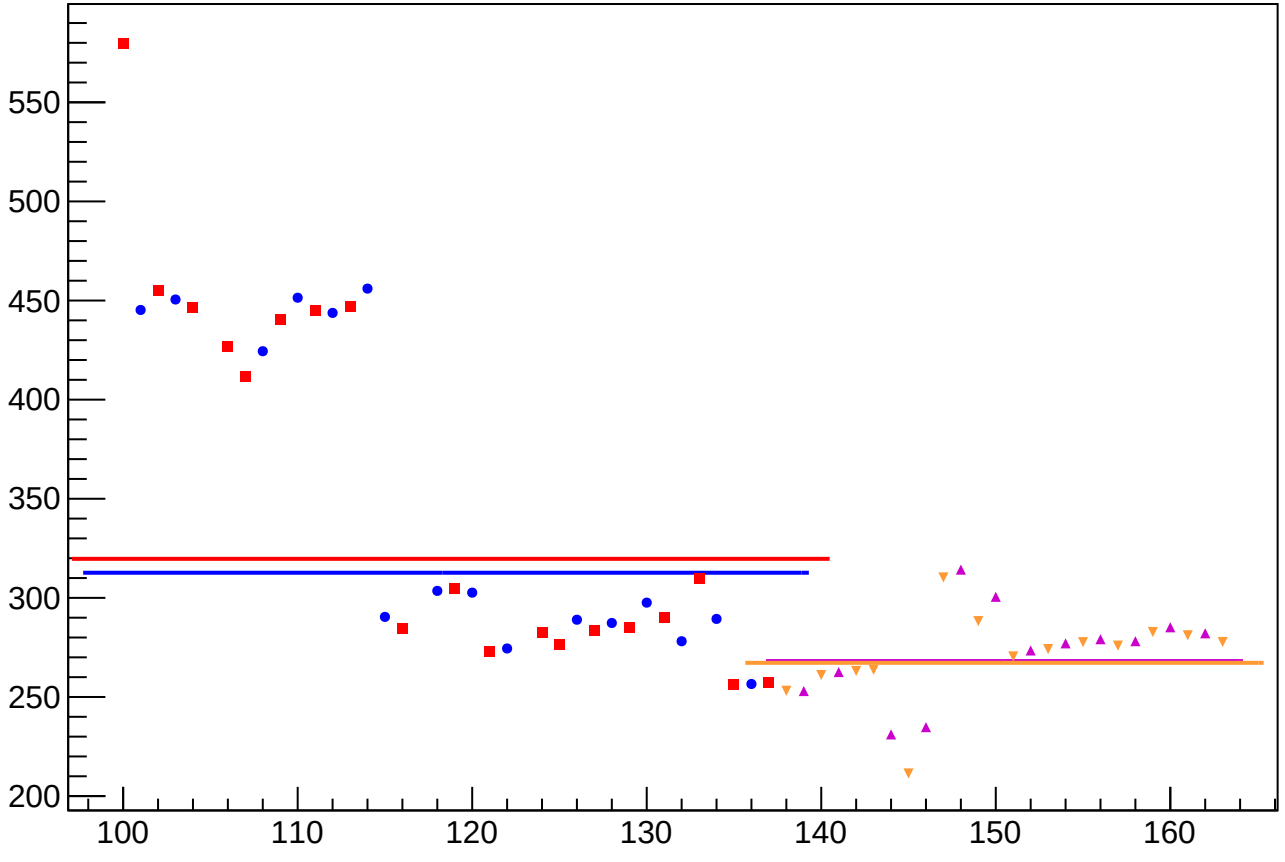
Left In: 144.575+/-83.757 χ^2/NDF:10.4/11

+ sign -49.079+/-66.466 χ^2/NDF: 60.8/29

All: -7.597+/-47.775 χ^2/NDF: 92.0/60

- sign 36.744+/-68.719 χ^2/NDF: 30.4/30

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

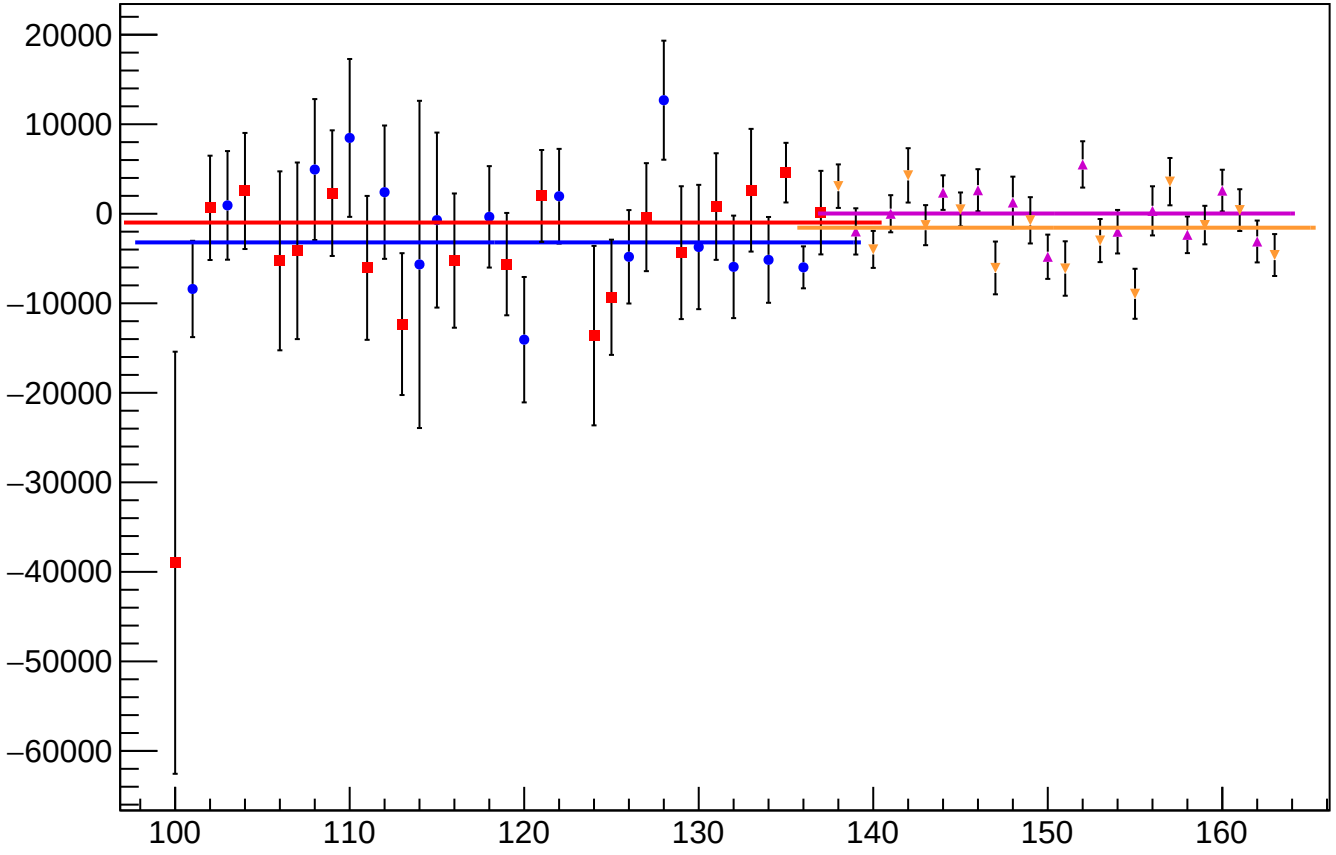
Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

+ sign 281.444+/-0.047 χ^2/NDF: 979966.0/29

All: 283.153+/-0.034 χ^2/NDF: 2086638.7/60

- sign 284.979+/-0.049 χ^2/NDF: 1103939.2/30

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1557.218+/-647.012 χ^2/NDF:28.1/13

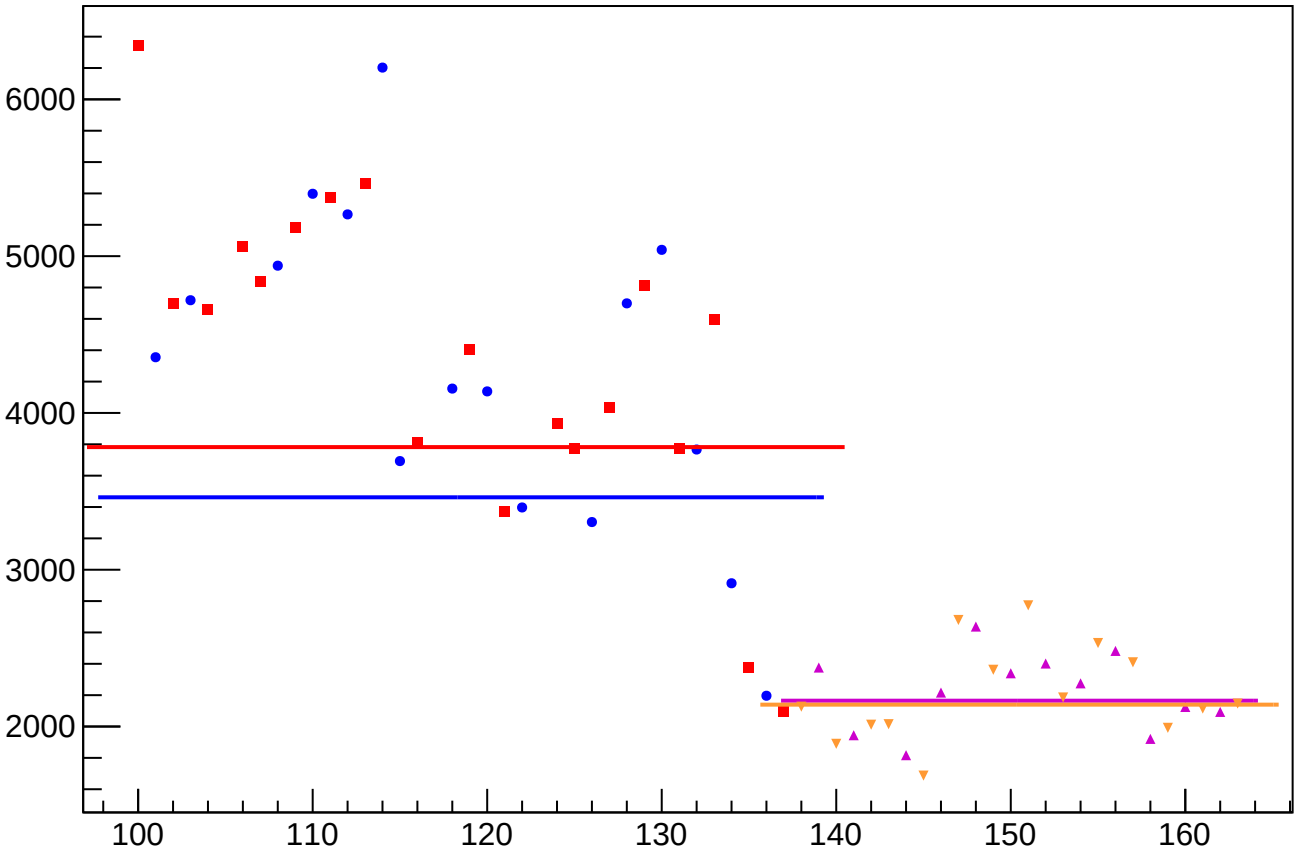
Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 27.689+/-678.362 χ^2/NDF:16.8/11

+ sign -1862.424+/-583.770 χ^2/NDF: 45.4/29

All: -1051.609+/-423.098 χ^2/NDF: 80.7/60

- sign -154.403+/-614.083 χ^2/NDF: 31.2/30



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

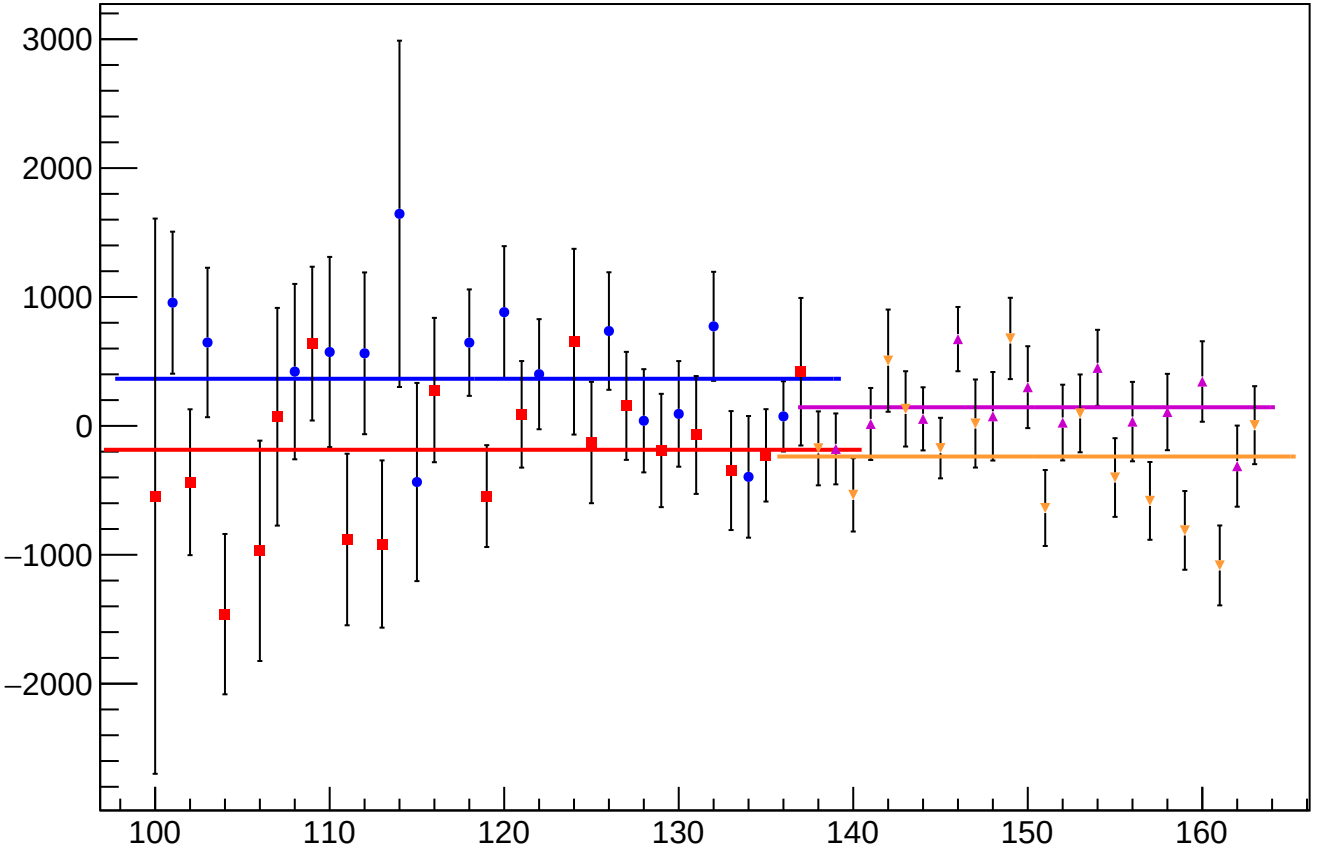
Left In: 2164.729+/-0.480 χ^2/NDF:244020.8/11

+ sign 2385.394+/-0.413 χ^2/NDF: 3255843.6/29

All: 2419.259+/-0.299 χ^2/NDF: 6703089.7/60

- sign 2456.733+/-0.434 χ^2/NDF: 3433067.4/30

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

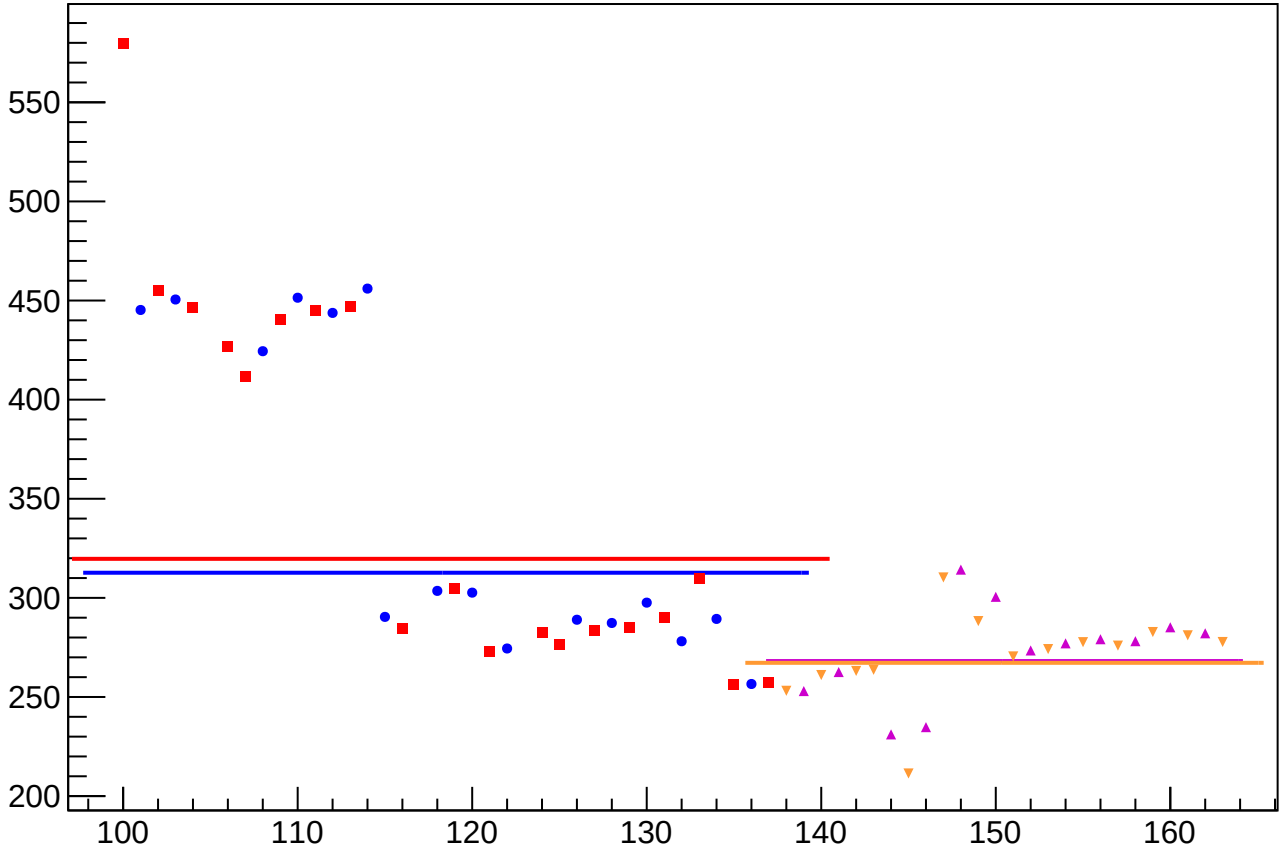
Left In: 144.575+/-83.757 χ^2/NDF:10.4/11

+ sign -49.079+/-66.466 χ^2/NDF: 60.8/29

All: -7.597+/-47.775 χ^2/NDF: 92.0/60

- sign 36.744+/-68.719 χ^2/NDF: 30.4/30

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

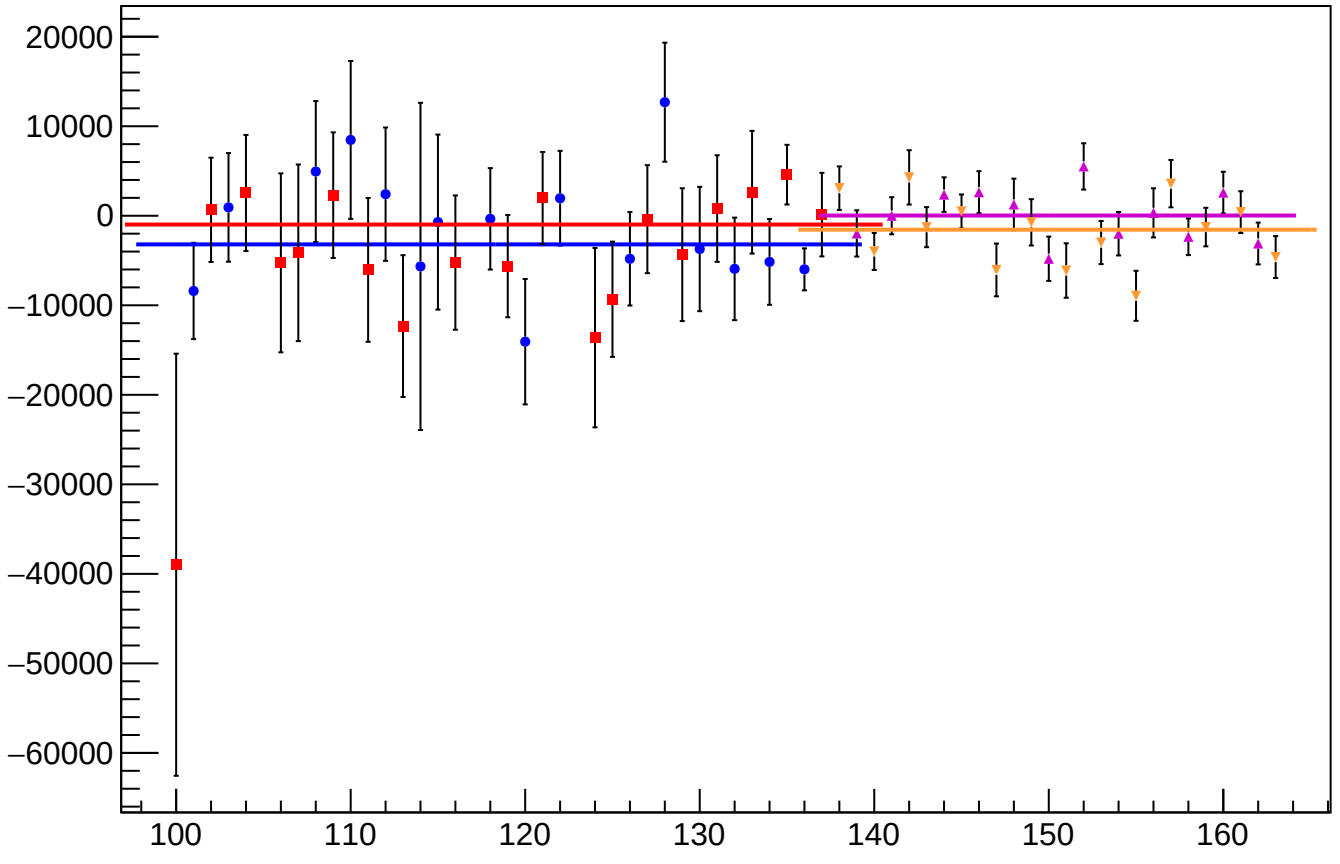
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

+ sign 281.444+/-0.047 χ^2/NDF: 979966.0/29

All: 283.153+/-0.034 χ^2/NDF: 2086638.7/60

- sign 284.979+/-0.049 χ^2/NDF: 1103939.2/30



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

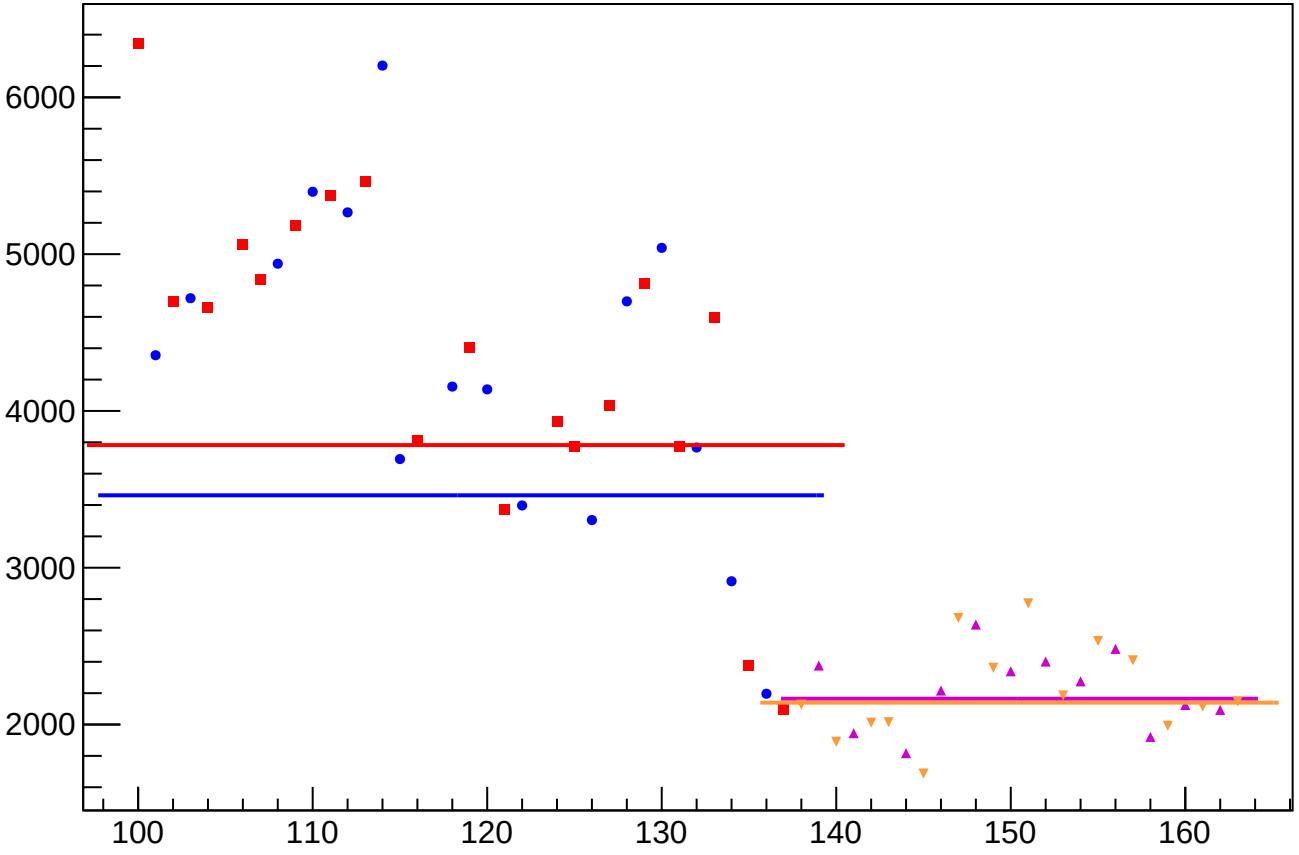
Left In: 27.689+/-678.362 χ^2/NDF:16.8/11

+ sign -1862.424+/-583.770 χ^2/NDF: 45.4/29

All: -1051.609+/-423.098 χ^2/NDF: 80.7/60

- sign -154.403+/-614.083 χ^2/NDF: 31.2/30

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

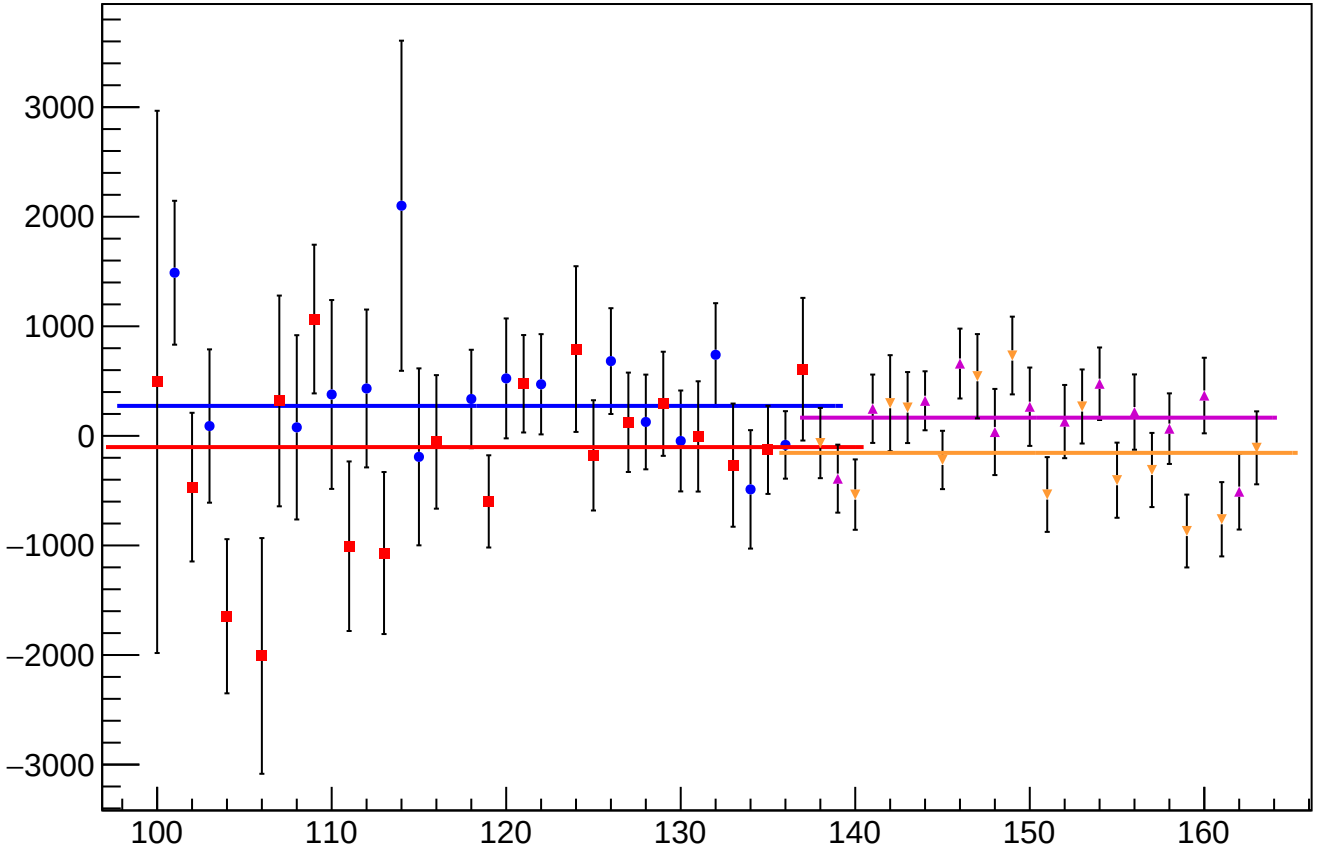
Left In: 2164.729+/-0.480 χ^2/NDF:244020.8/11

+ sign 2385.394+/-0.413 χ^2/NDF: 3255843.6/29

All: 2419.259+/-0.299 χ^2/NDF: 6703089.7/60

- sign 2456.733+/-0.434 χ^2/NDF: 3433067.4/30

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

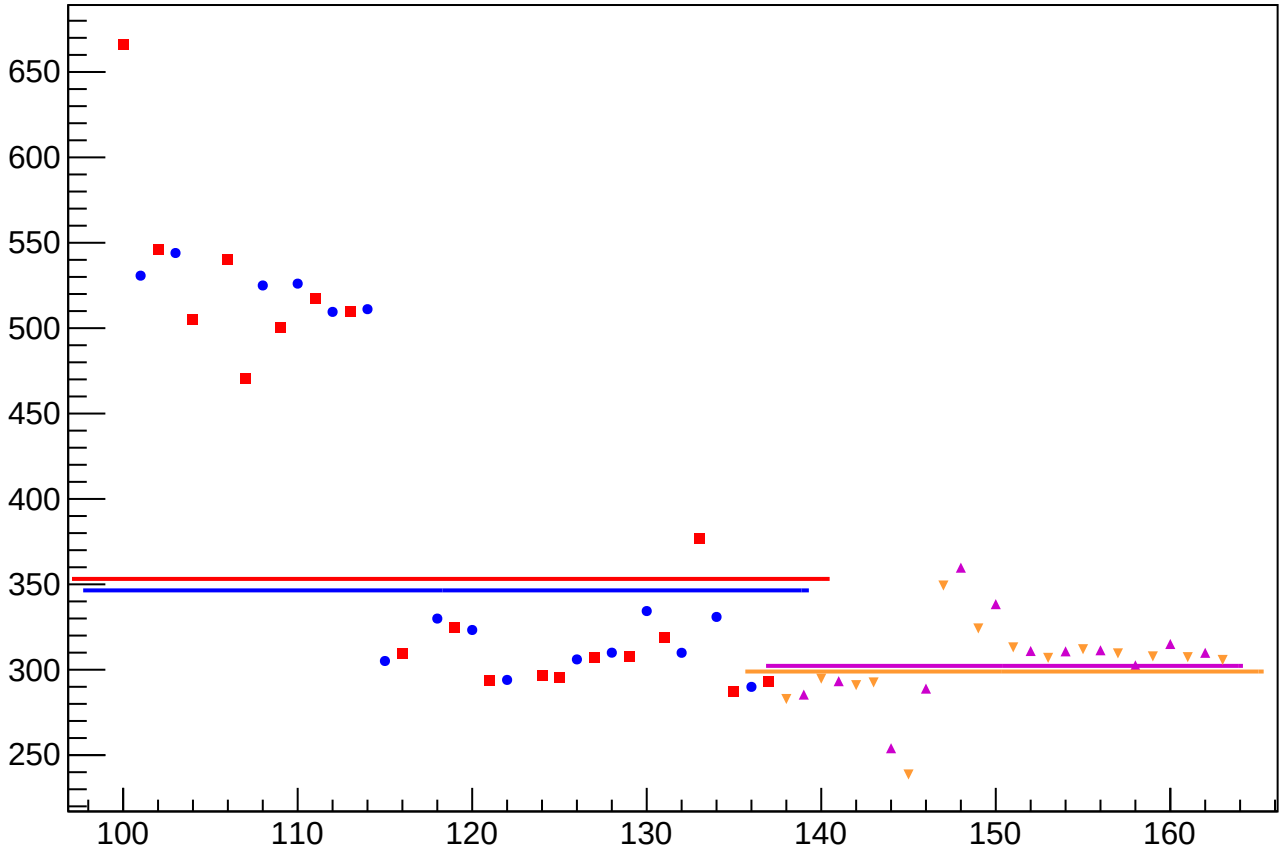
Left In: 166.099+/-94.684 χ^2/NDF:11.4/11

\+ sign -20.462+/-74.277 χ^2/NDF: 43.8/29

All: 26.041+/-53.542 χ^2/NDF: 80.0/60

\- sign 76.344+/-77.252 χ^2/NDF: 35.4/30

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 298.944+/-0.063 χ^2/NDF:166734.1/13

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

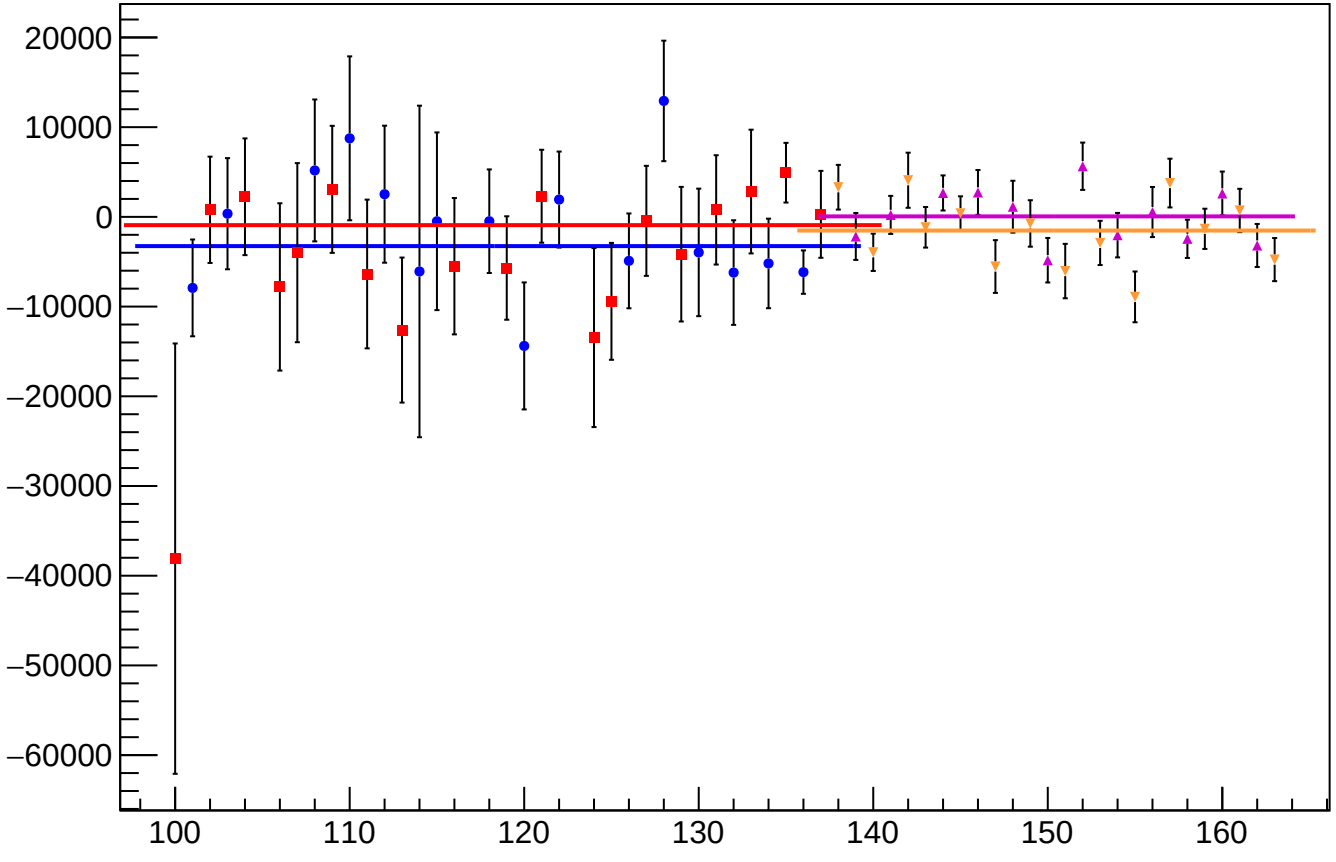
Left In: 302.259+/-0.067 χ^2/NDF:146227.9/11

+ sign 313.866+/-0.053 χ^2/NDF: 1111782.8/29

All: 316.468+/-0.038 χ^2/NDF: 2322859.6/60

- sign 319.282+/-0.055 χ^2/NDF: 1205968.8/30

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1522.586+/-657.576 χ^2/NDF:27.3/13

Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

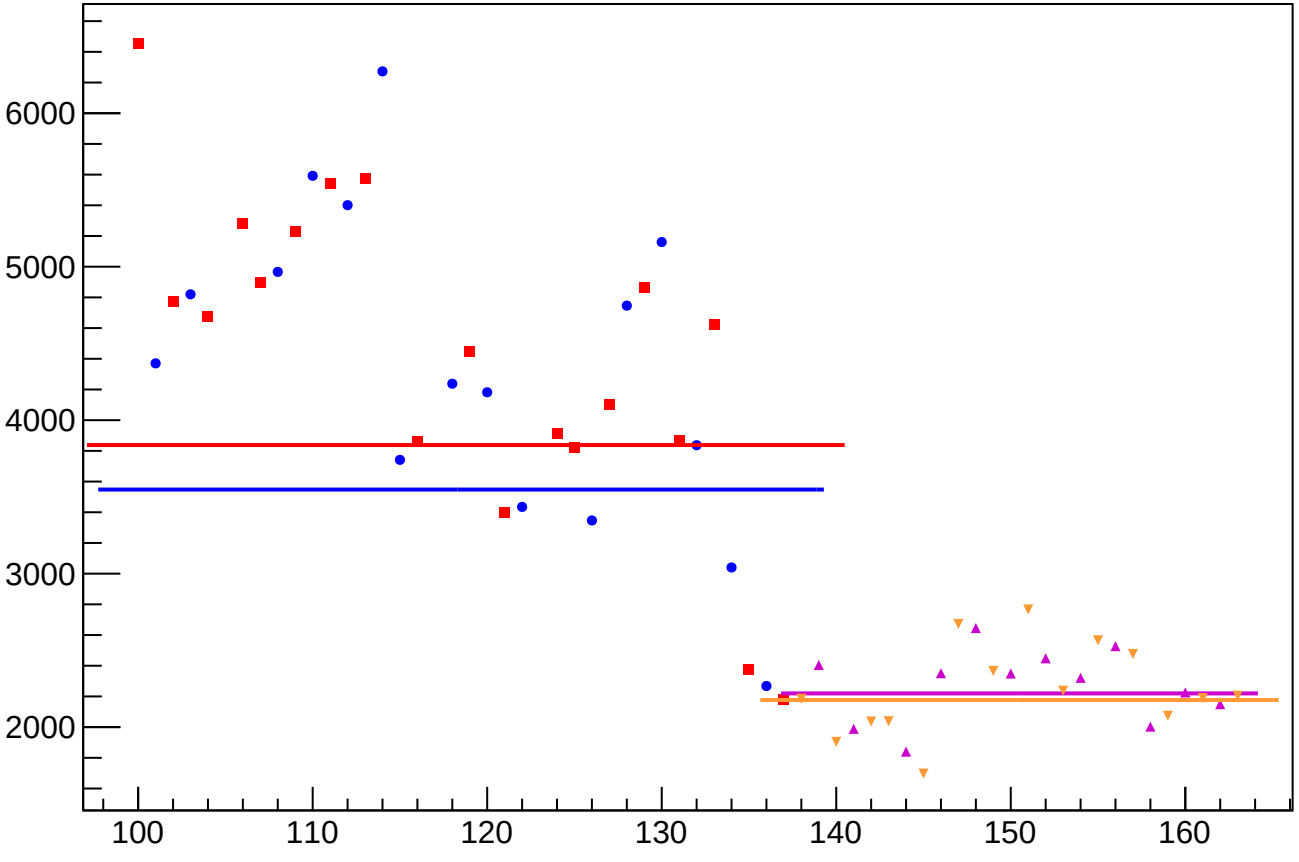
Left In: 54.142+/-695.315 χ^2/NDF:17.2/11

+ sign -1842.299+/-593.955 χ^2/NDF: 44.6/29

All: -1031.695+/-431.464 χ^2/NDF: 80.7/60

- sign -126.029+/-627.817 χ^2/NDF: 32.2/30

asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384561.9/13

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

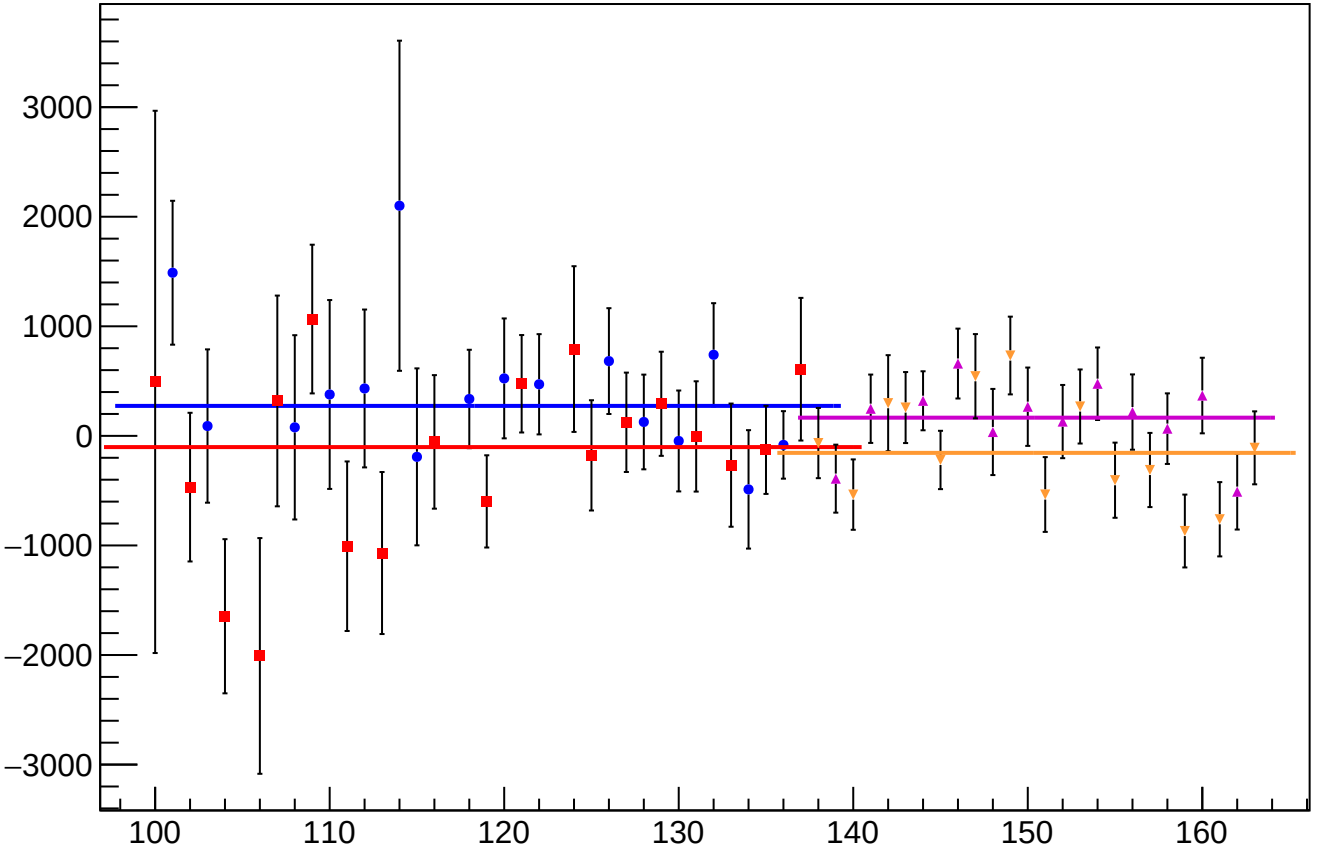
Left In: 2219.739+/-0.492 χ^2/NDF:228293.2/11

+ sign 2428.866+/-0.420 χ^2/NDF: 3245536.7/29

All: 2471.280+/-0.305 χ^2/NDF: 6652388.4/60

- sign 2518.669+/-0.444 χ^2/NDF: 3385258.2/30

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

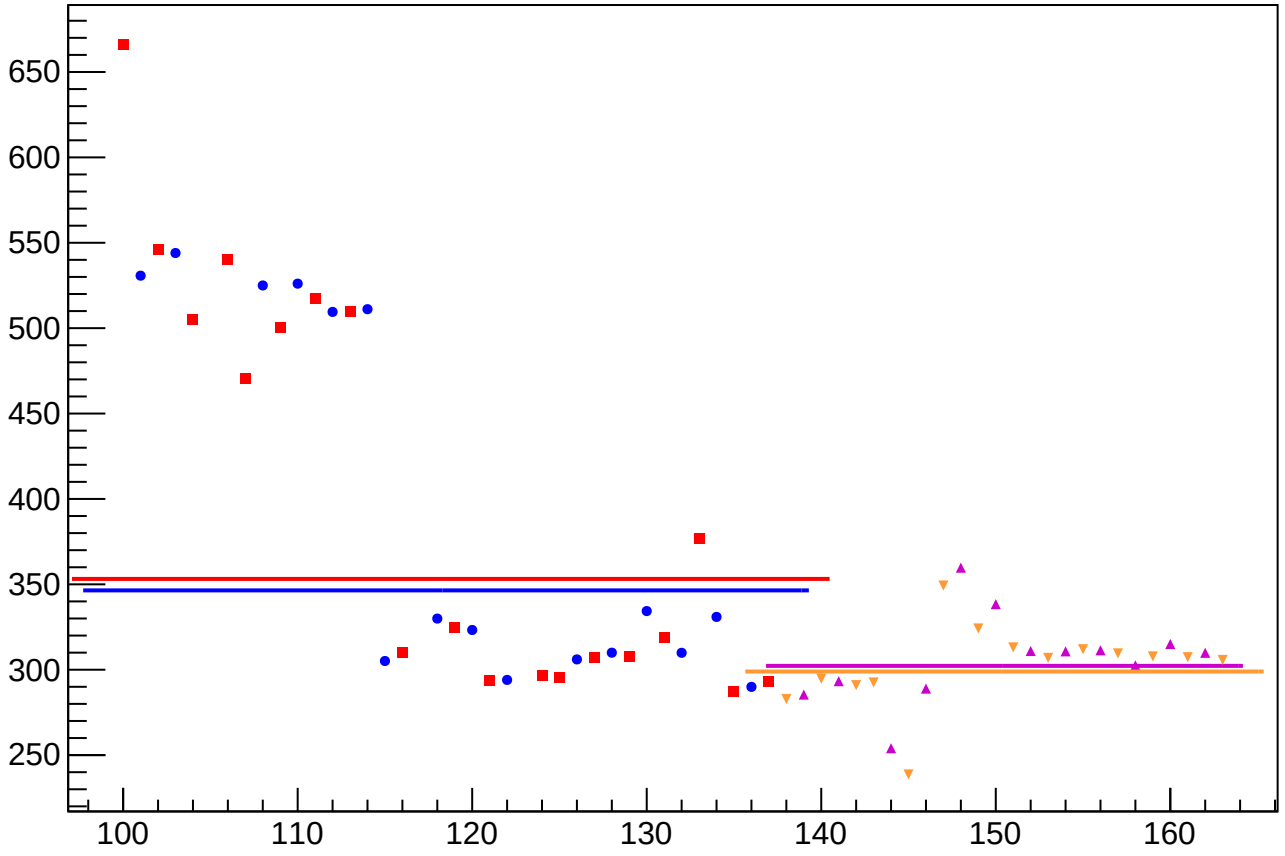
Left In: 166.102+/-94.684 χ^2/NDF:11.4/11

+ sign -20.459+/-74.277 χ^2/NDF: 43.8/29

All: 26.044+/-53.542 χ^2/NDF: 80.0/60

- sign 76.347+/-77.252 χ^2/NDF: 35.4/30

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 298.944+/-0.063 χ^2/NDF:166737.2/13

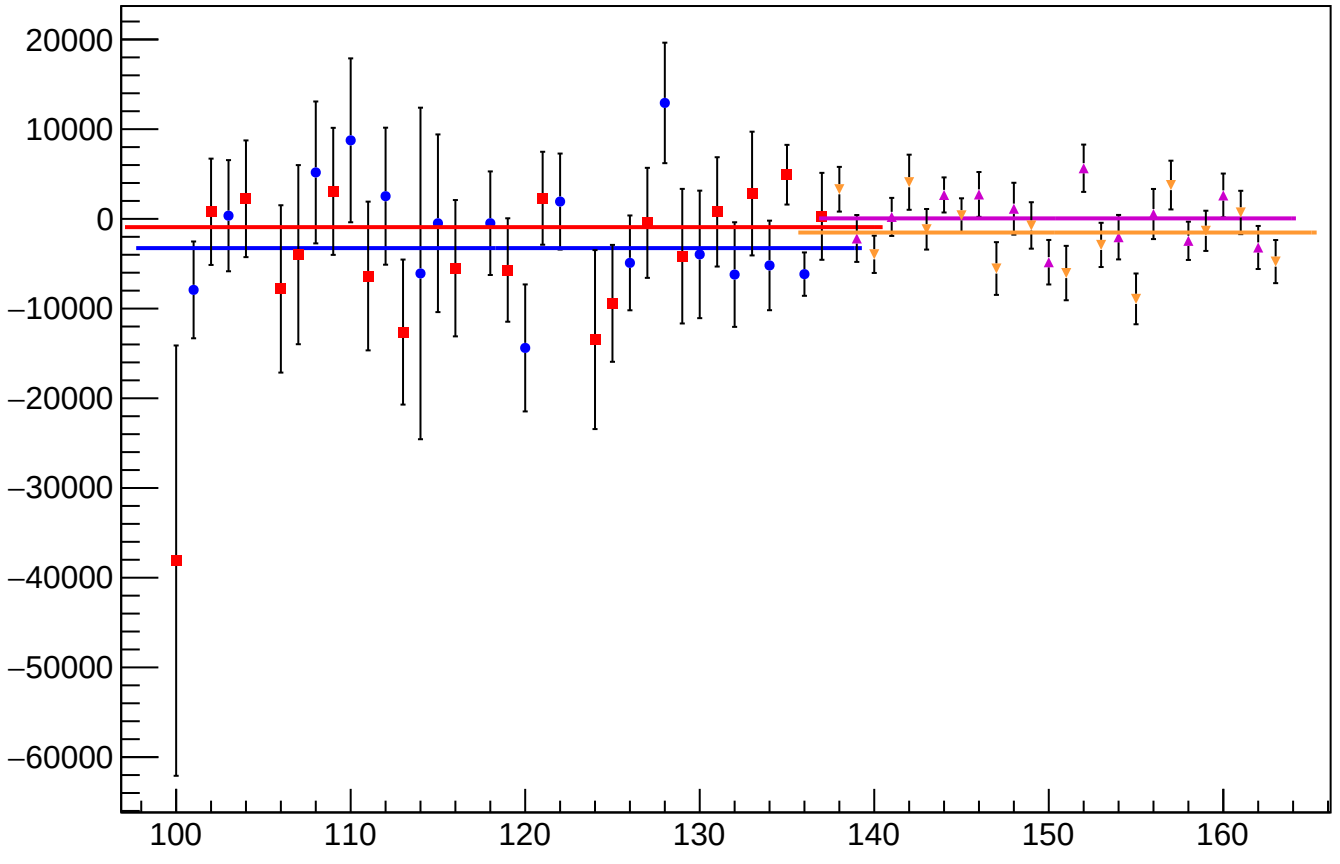
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 302.259+/-0.067 χ^2/NDF:146229.3/11

+ sign 313.866+/-0.053 χ^2/NDF: 1111762.6/29

All: 316.467+/-0.038 χ^2/NDF: 2322822.2/60

- sign 319.282+/-0.055 χ^2/NDF: 1205951.4/30



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1522.583+/-657.576 χ^2/NDF:27.3/13

Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

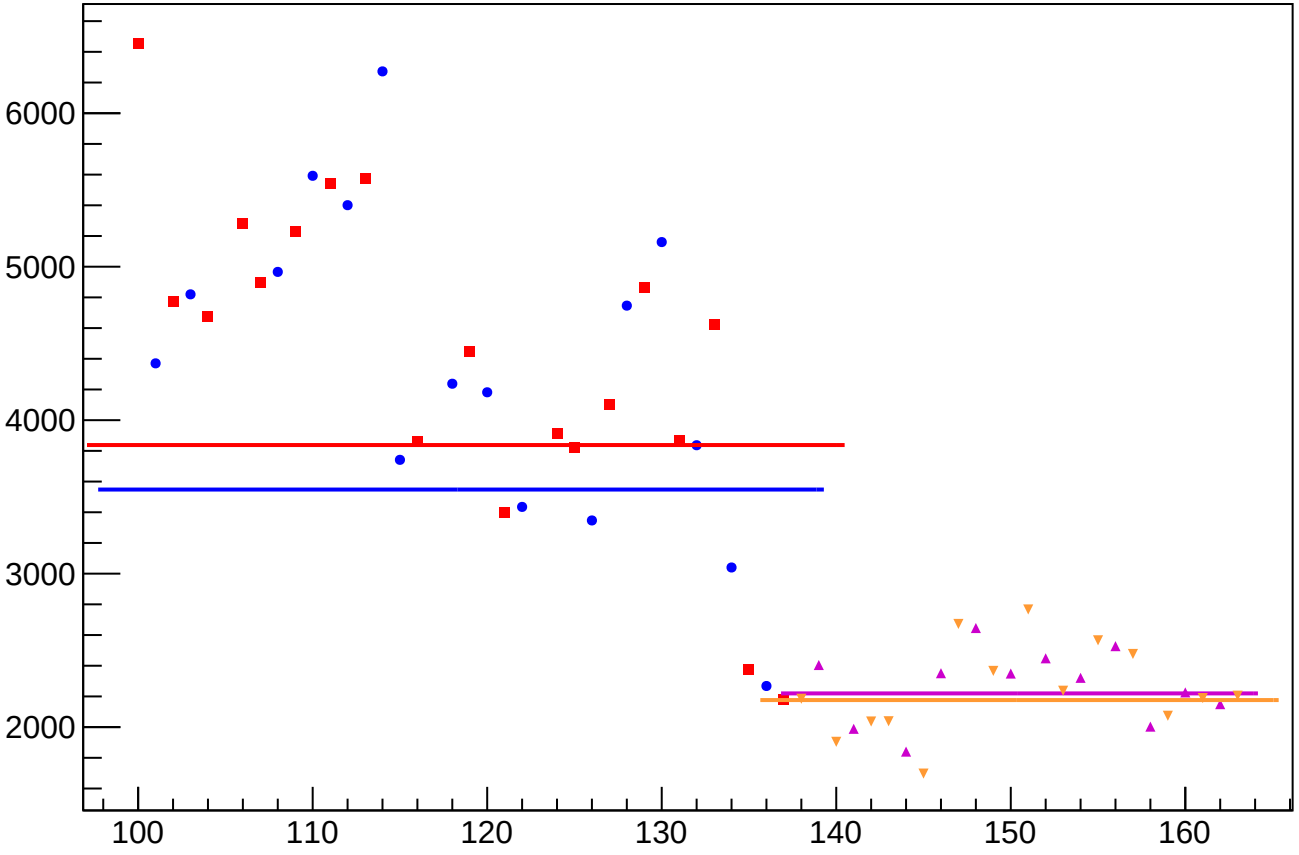
Left In: 54.141+/-695.315 χ^2/NDF:17.2/11

+ sign -1842.295+/-593.955 χ^2/NDF: 44.6/29

All: -1031.694+/-431.464 χ^2/NDF: 80.7/60

- sign -126.030+/-627.817 χ^2/NDF: 32.2/30

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384568.6/13

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

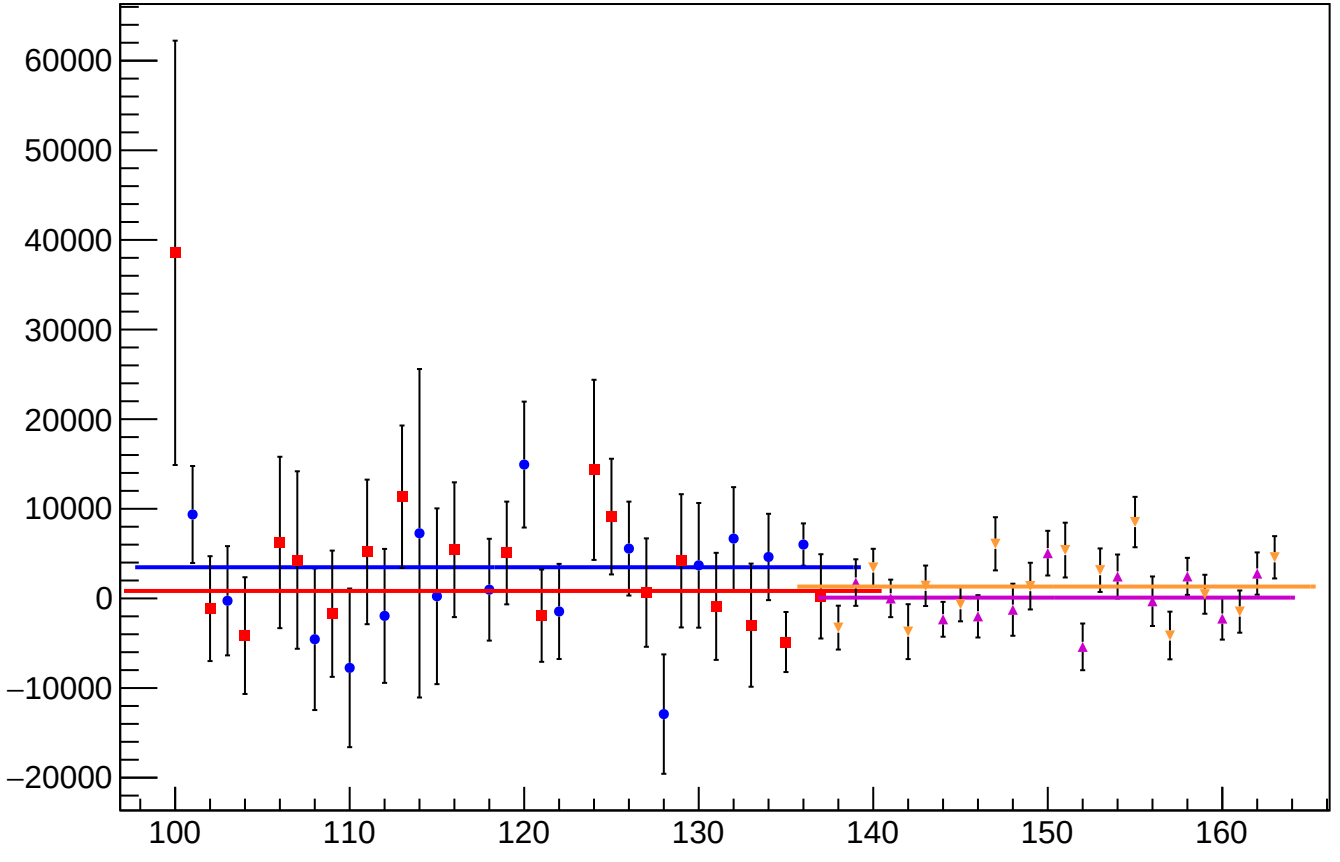
Left In: 2219.738+/-0.492 χ^2/NDF:228294.8/11

+ sign 2428.865+/-0.420 χ^2/NDF: 3245527.7/29

All: 2471.280+/-0.305 χ^2/NDF: 6652366.8/60

- sign 2518.668+/-0.444 χ^2/NDF: 3385245.6/30

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1323.258+/-652.219 χ^2/NDF:27.5/13

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

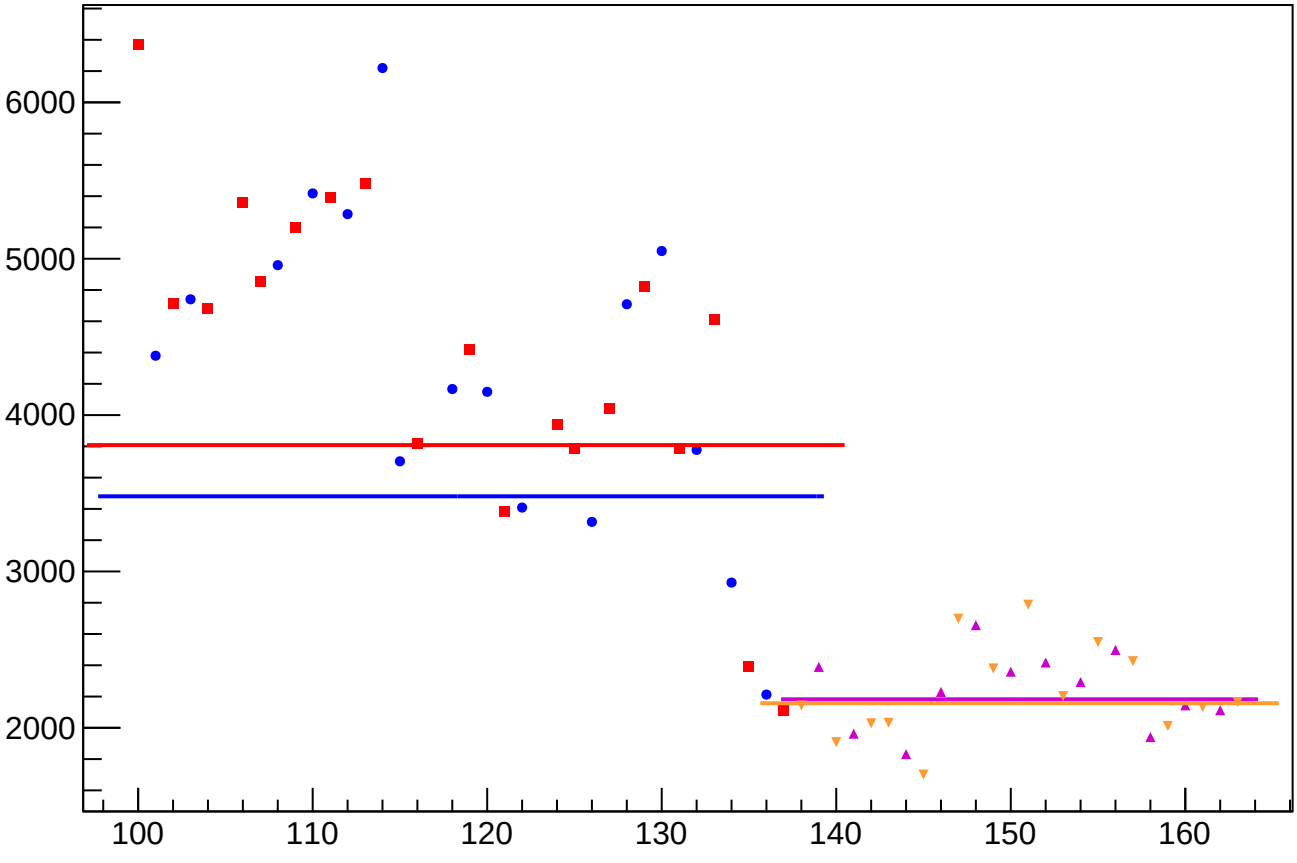
Left In: 88.271+/-683.786 χ^2/NDF:15.9/11

+ sign 1726.061+/-588.117 χ^2/NDF: 45.8/29

All: 1012.630+/-426.178 χ^2/NDF: 79.1/60

- sign 223.735+/-618.439 χ^2/NDF: 30.2/30

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2157.164+/-0.461 χ^2/NDF:387376.8/13

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

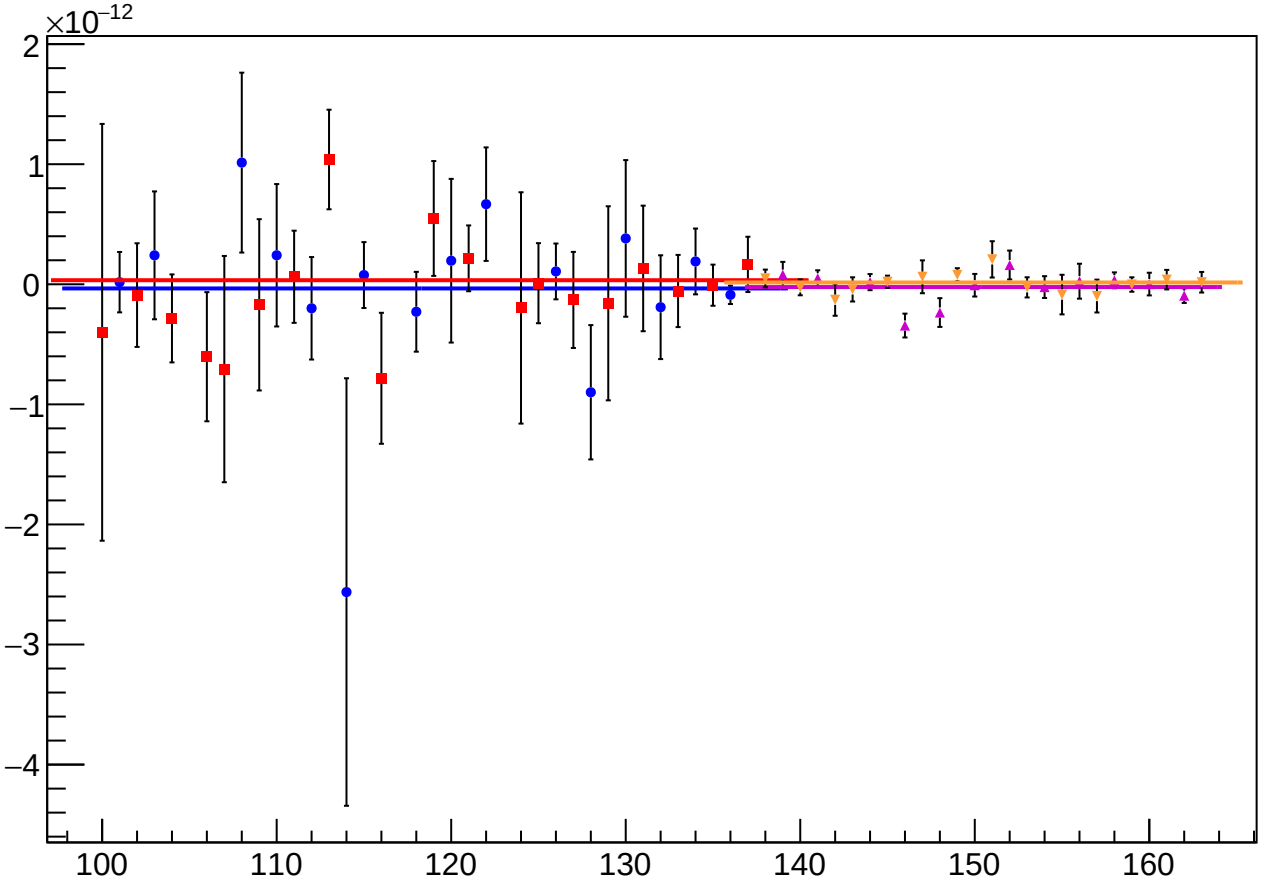
Left In: 2182.364+/-0.484 χ^2/NDF:239785.5/11

+ sign 2404.514+/-0.416 χ^2/NDF: 3223040.0/29

All: 2439.533+/-0.301 χ^2/NDF: 6683038.4/60

- sign 2478.256+/-0.437 χ^2/NDF: 3445066.6/30

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/13

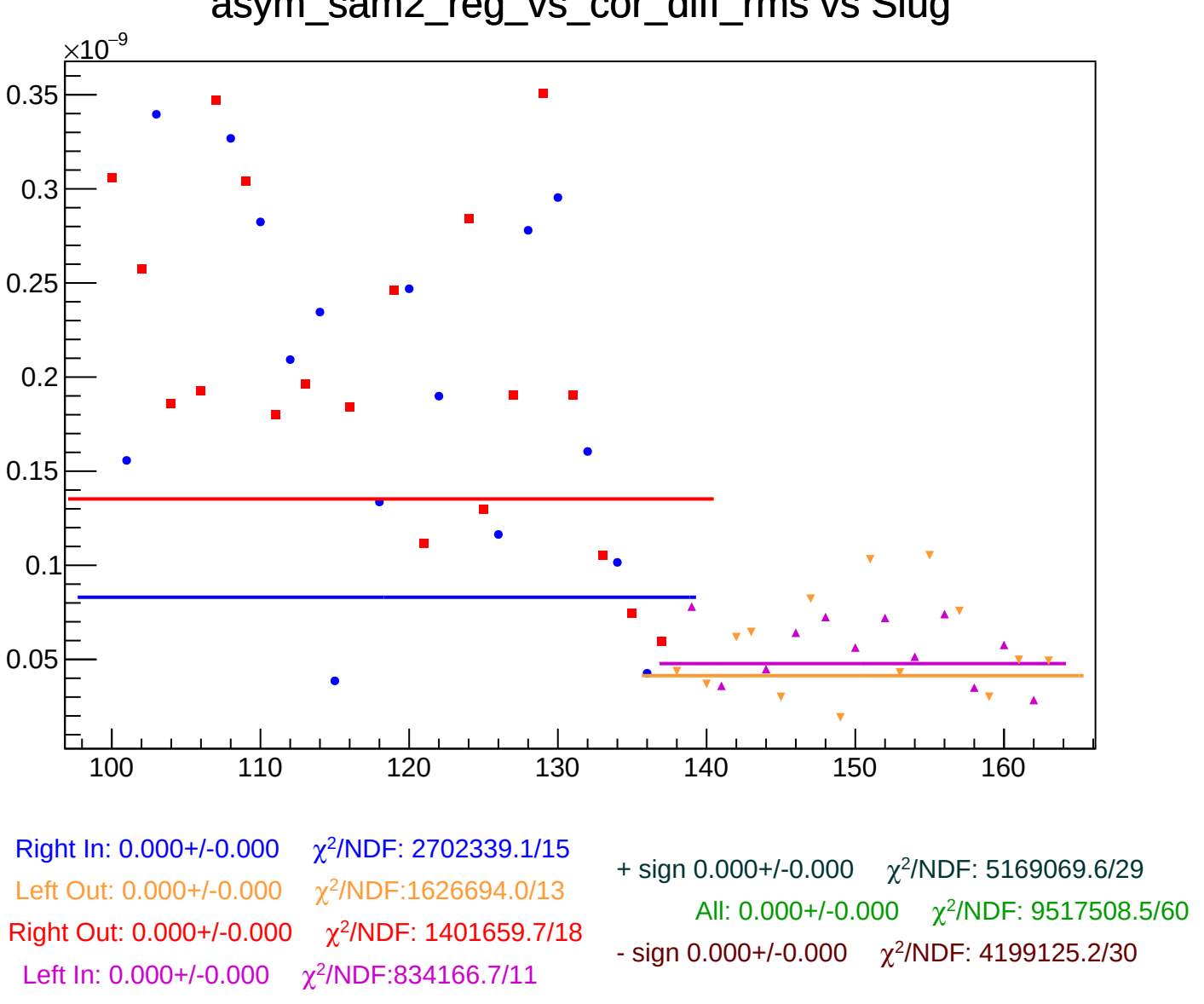
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/11

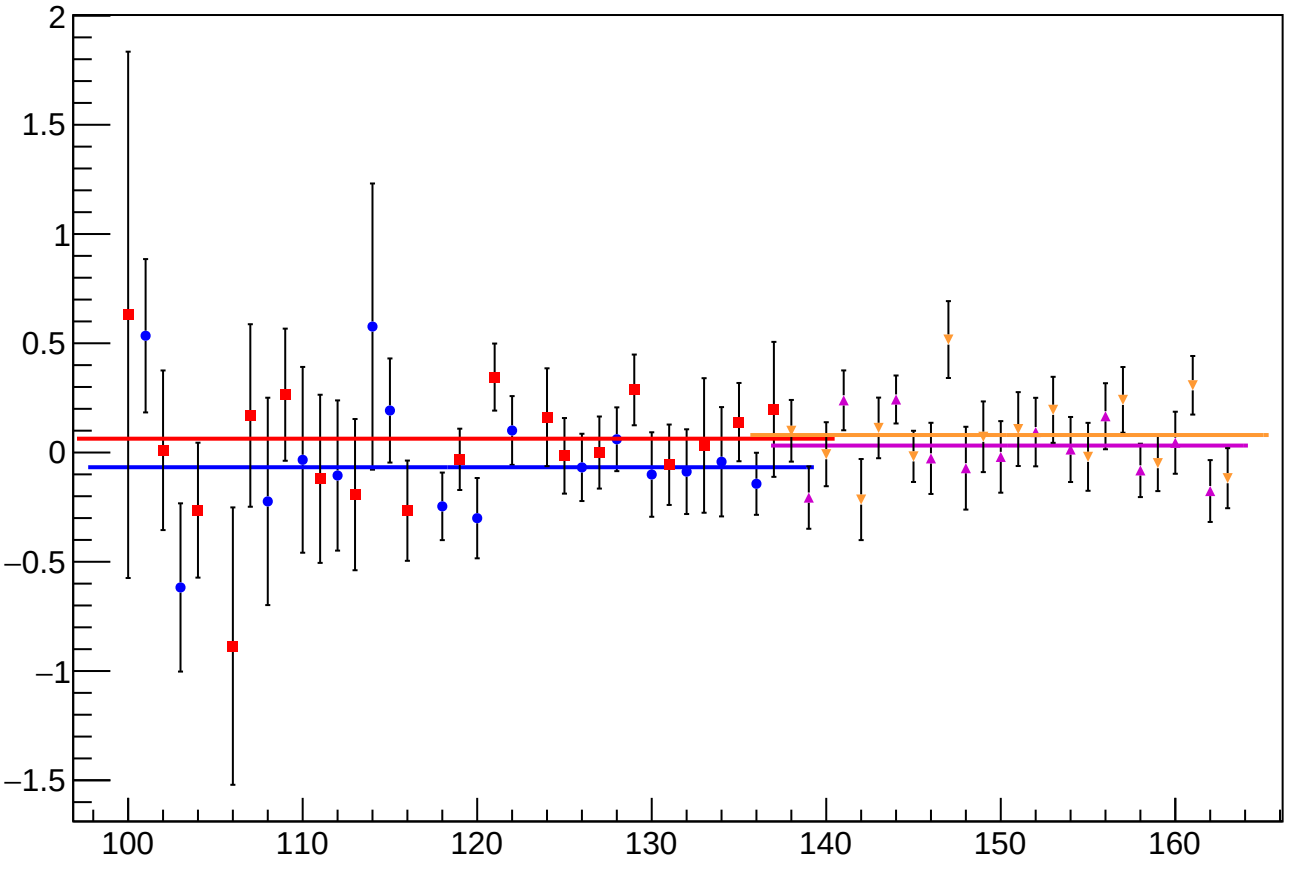
+ sign 0.000+/-0.000 χ^2/NDF: 19.1/29

All: -0.000+/-0.000 χ^2/NDF: 54.6/60

- sign -0.000+/-0.000 χ^2/NDF: 34.7/30


asym_sam2_reg_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
160
Right In: 0.000+/-0.000 χ²/NDF: 2702339.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1626694.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1401659.7/18
Left In: 0.000+/-0.000 χ²/NDF:834166.7/11
+ sign 0.000+/-0.000 χ²/NDF: 5169069.6/29
All: 0.000+/-0.000 χ²/NDF: 9517508.5/60
- sign 0.000+/-0.000 χ²/NDF: 4199125.2/30

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

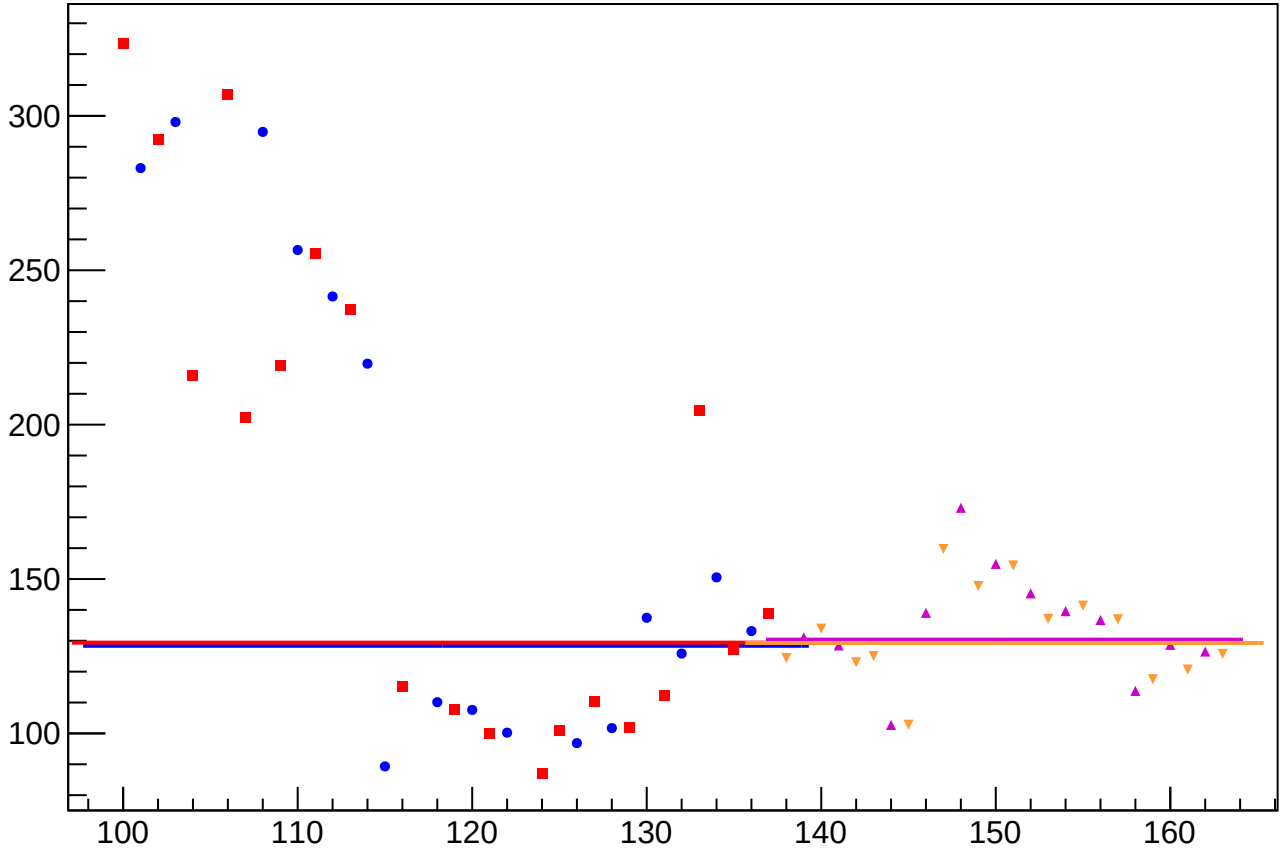
Left In: 0.032+/-0.041 χ^2/NDF:13.3/11

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.035+/-0.022 χ^2/NDF: 63.3/60

- sign 0.044+/-0.032 χ^2/NDF: 27.5/30

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

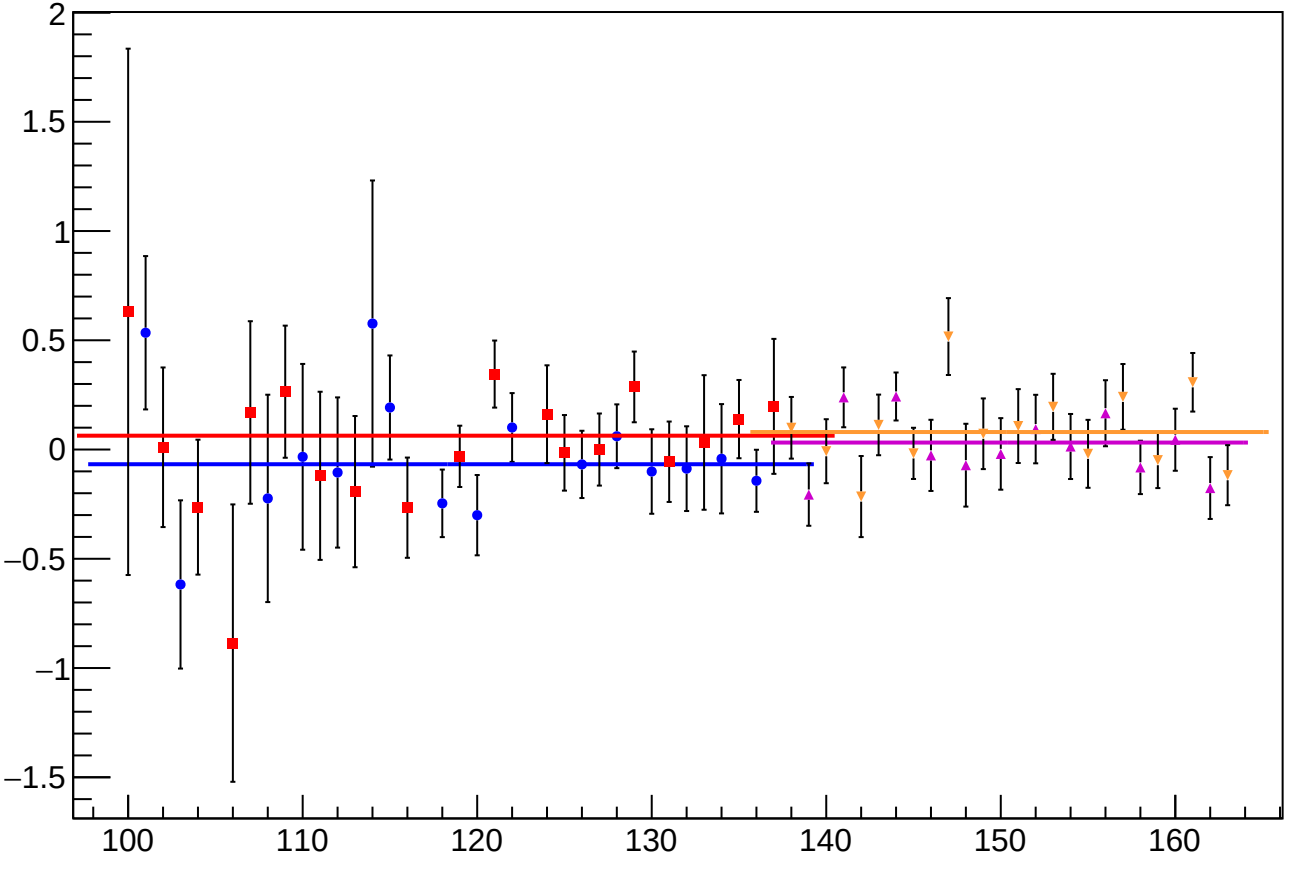
Left In: 130.357+/-0.029 χ^2/NDF:347365.9/11

+ sign 128.961+/-0.022 χ^2/NDF: 2095134.4/29

All: 129.454+/-0.016 χ^2/NDF: 4332227.6/60

- sign 129.983+/-0.023 χ^2/NDF: 2236057.4/30

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

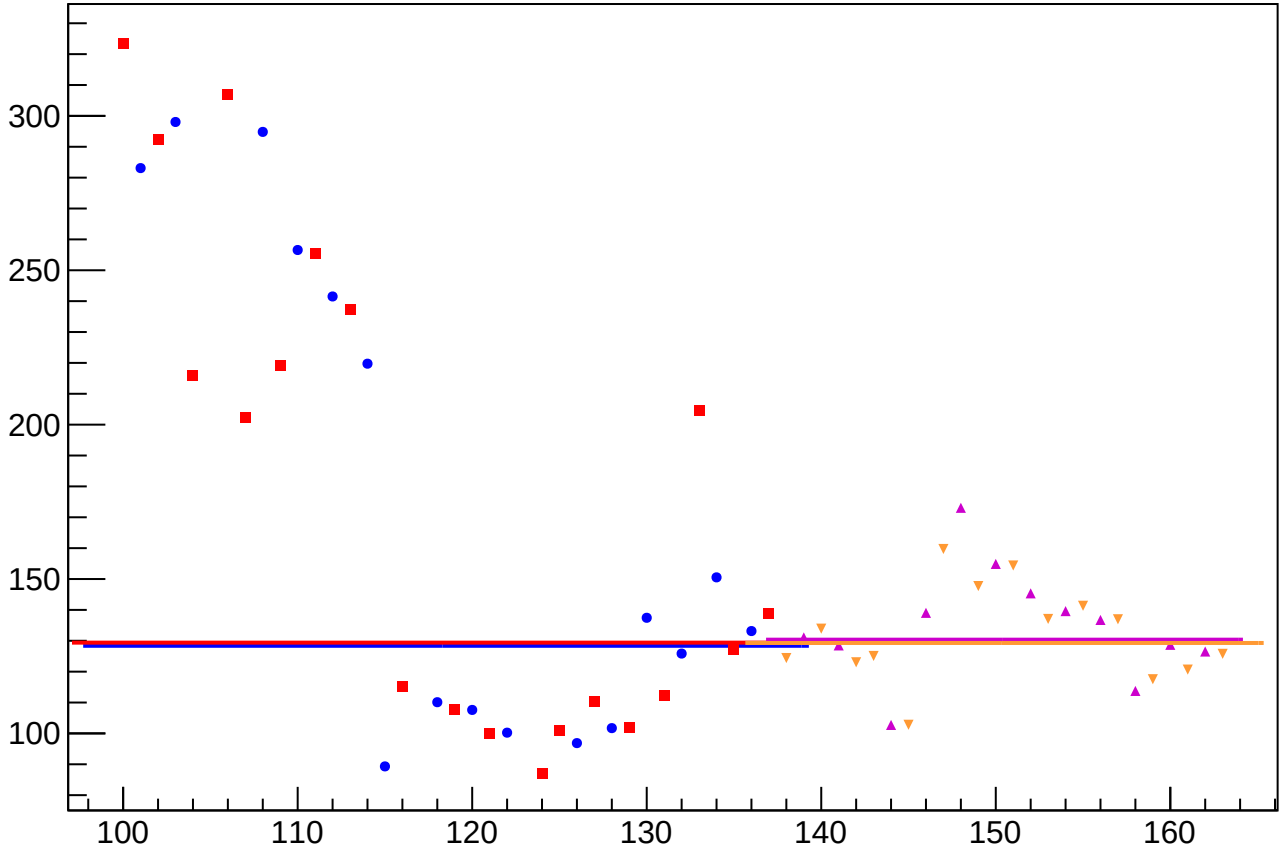
Left In: 0.032+/-0.041 χ^2/NDF:13.3/11

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.035+/-0.022 χ^2/NDF: 63.3/60

- sign 0.044+/-0.032 χ^2/NDF: 27.5/30

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

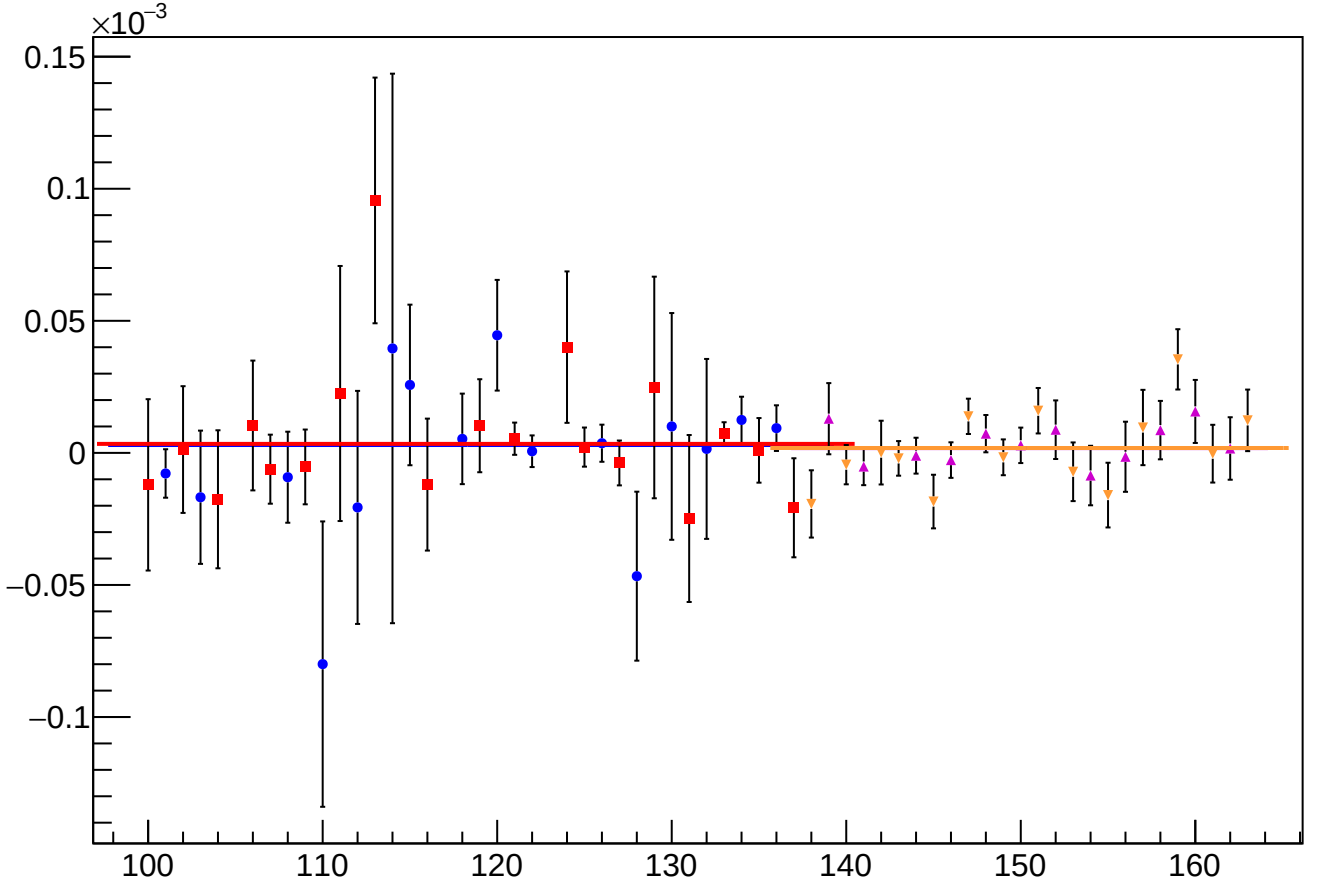
Left In: 130.357+/-0.029 χ^2/NDF:347365.9/11

+ sign 128.961+/-0.022 χ^2/NDF: 2095134.4/29

All: 129.454+/-0.016 χ^2/NDF: 4332227.6/60

- sign 129.983+/-0.023 χ^2/NDF: 2236057.4/30

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:26.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

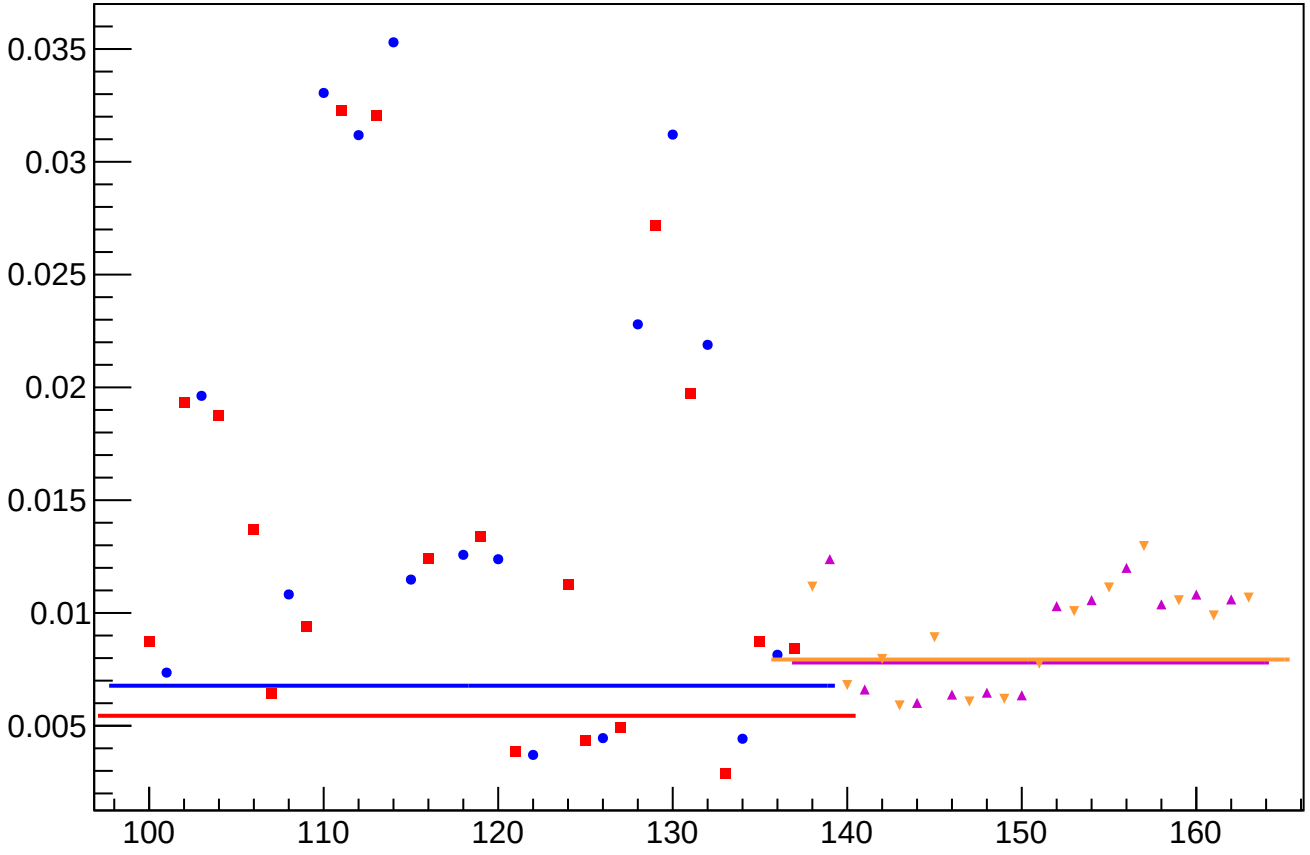
Left In: 0.000+/-0.000 χ^2/NDF:6.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/29

All: 0.000+/-0.000 χ^2/NDF: 59.5/60

- sign 0.000+/-0.000 χ^2/NDF: 18.7/30

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:1414873.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

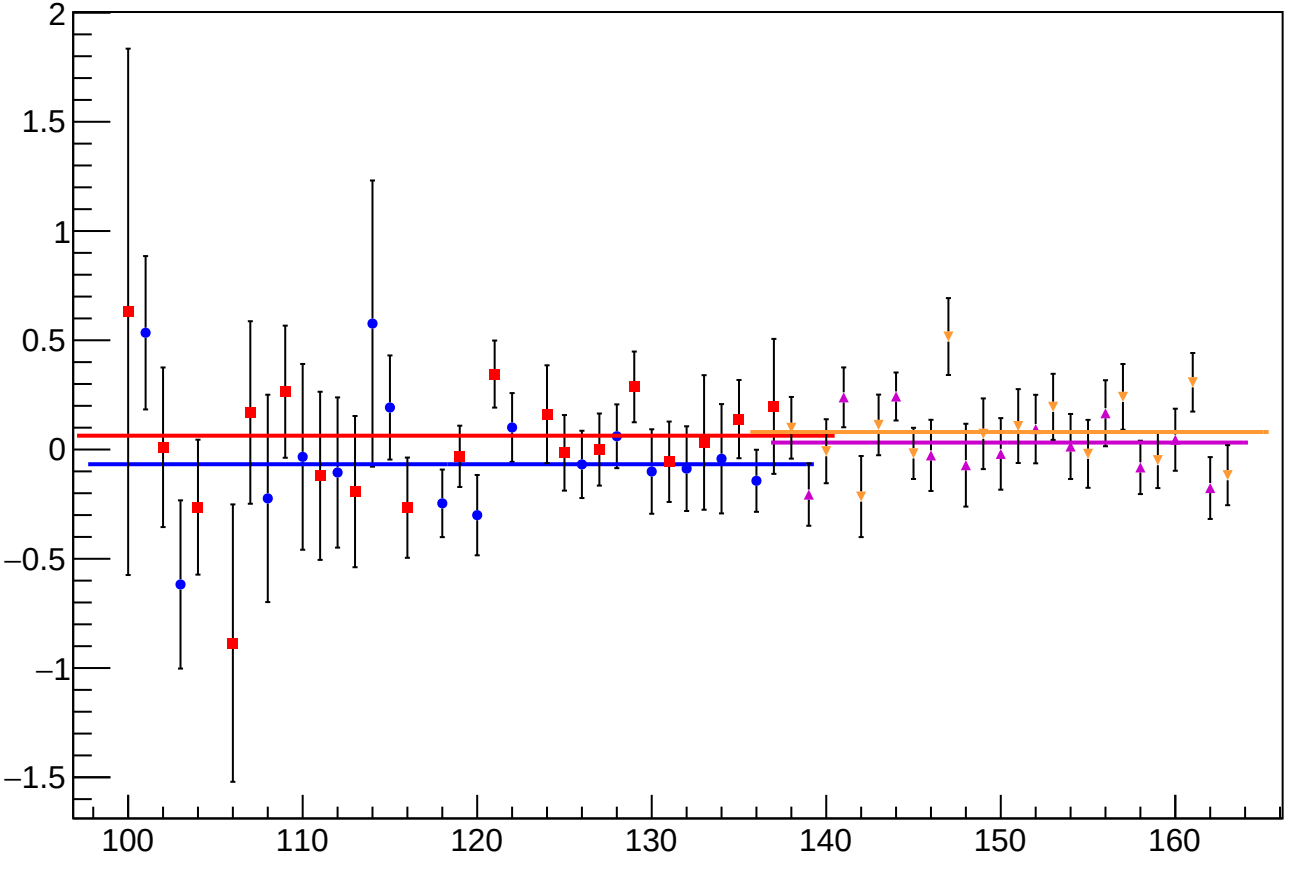
Left In: 0.008+/-0.000 χ^2/NDF:1452827.3/11

+ sign 0.007+/-0.000 χ^2/NDF: 6356150.2/29

All: 0.007+/-0.000 χ^2/NDF: 14430869.9/60

- sign 0.007+/-0.000 χ^2/NDF: 7873170.0/30

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

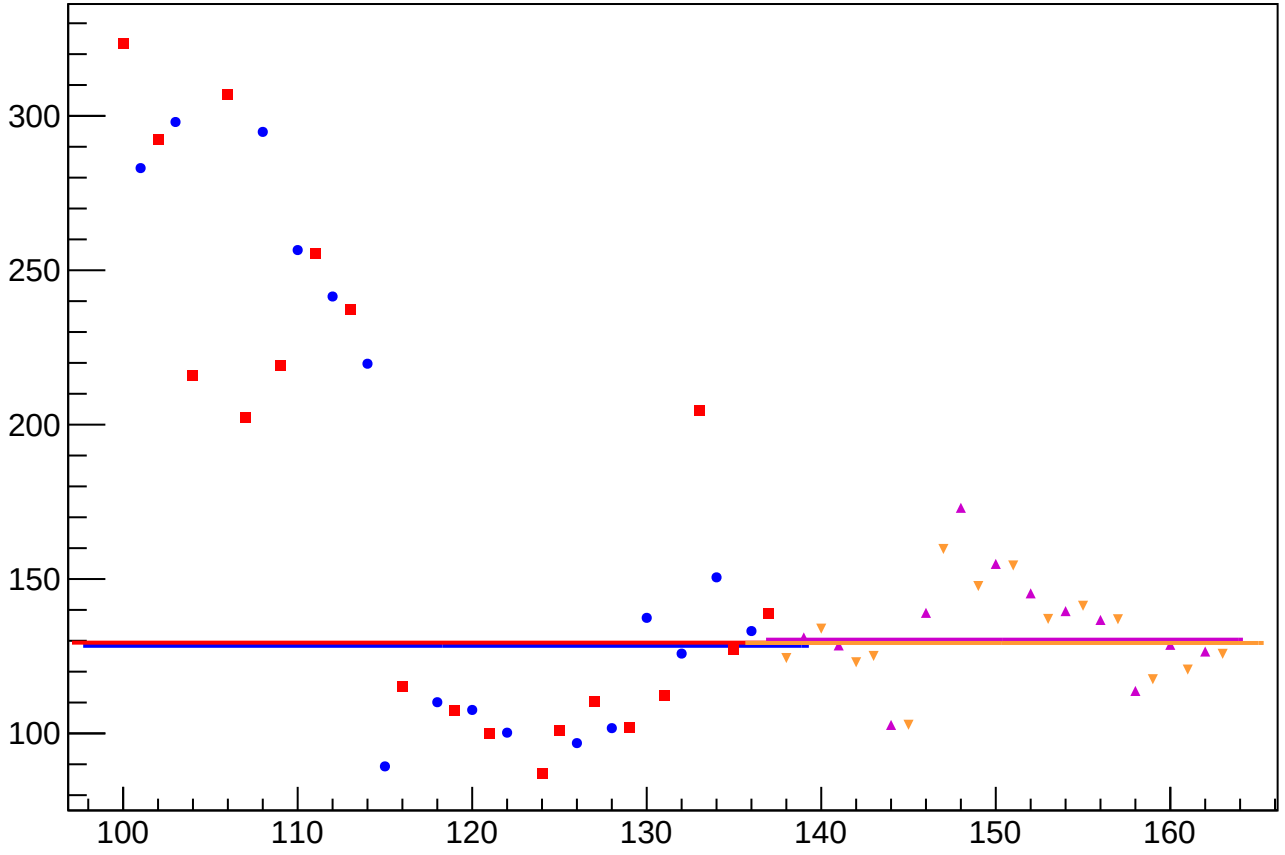
Left In: 0.032+/-0.041 χ^2/NDF:13.3/11

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.035+/-0.022 χ^2/NDF: 63.3/60

- sign 0.044+/-0.032 χ^2/NDF: 27.5/30

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.292+/-0.028 χ^2/NDF:289688.8/13

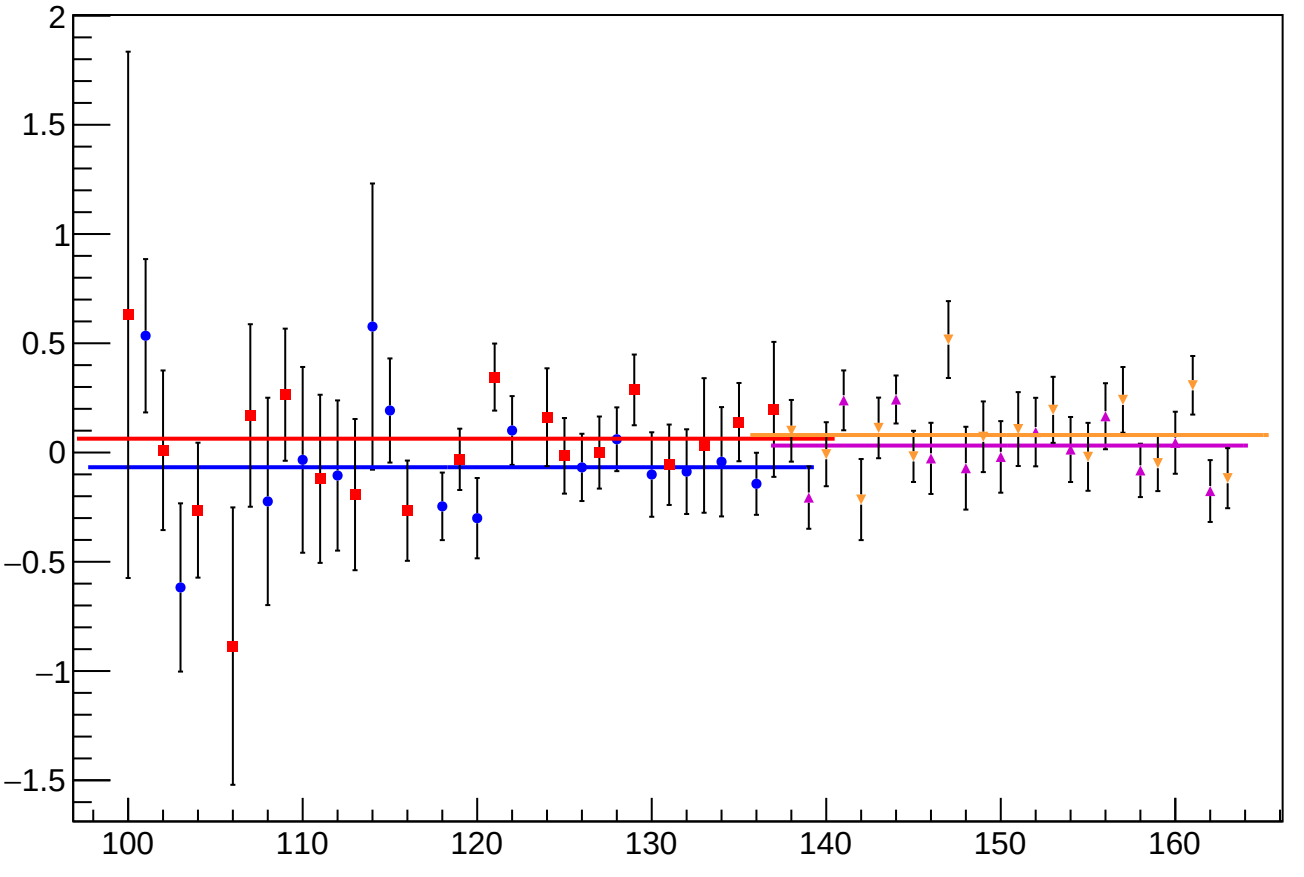
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.357+/-0.029 χ^2/NDF:347381.5/11

+ sign 128.960+/-0.022 χ^2/NDF: 2095113.9/29

All: 129.453+/-0.016 χ^2/NDF: 4332225.7/60

- sign 129.981+/-0.023 χ^2/NDF: 2236076.6/30



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

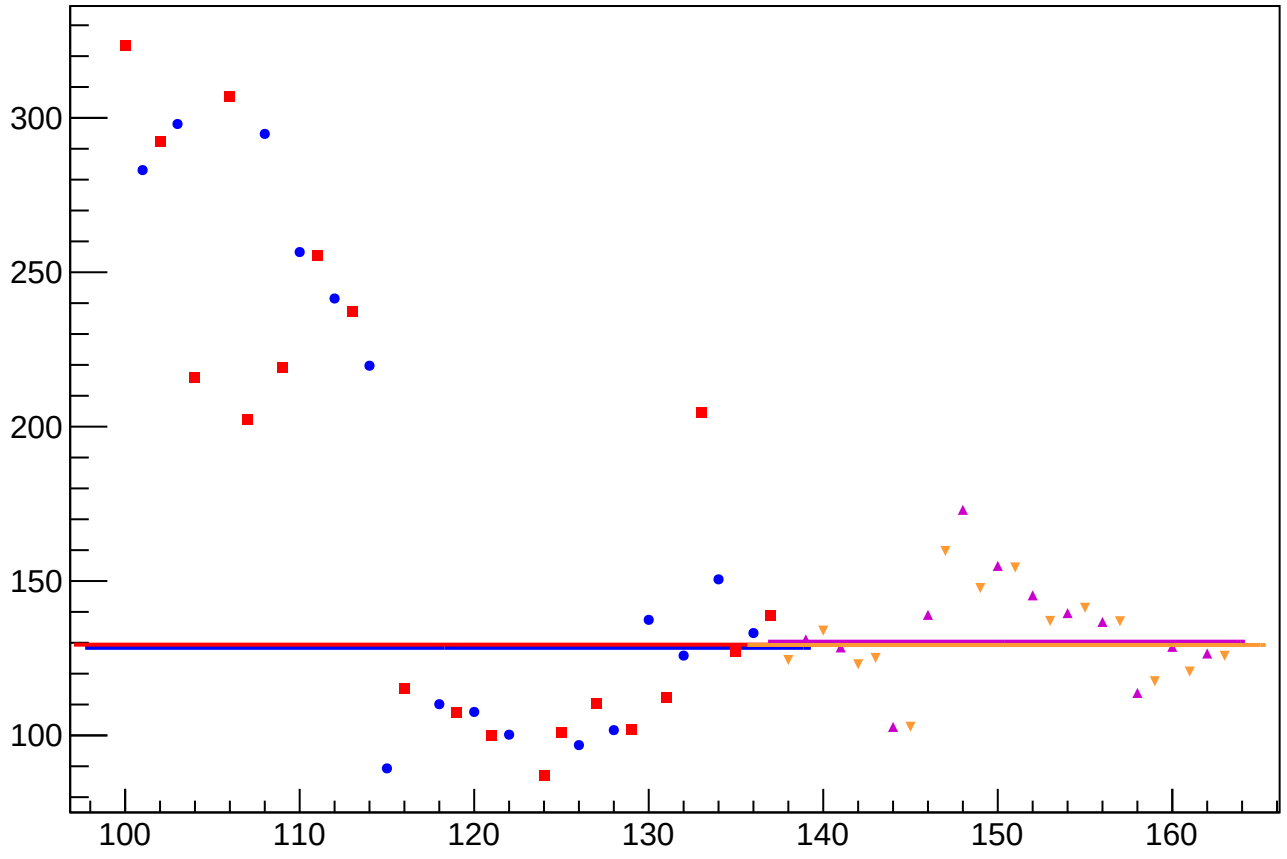
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.032+/-0.041 χ^2/NDF:13.3/11

+ sign 0.027+/-0.031 χ^2/NDF: 35.6/29

All: 0.035+/-0.022 χ^2/NDF: 63.3/60

- sign 0.044+/-0.032 χ^2/NDF: 27.5/30



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.292+/-0.028 χ^2/NDF:289688.8/13

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

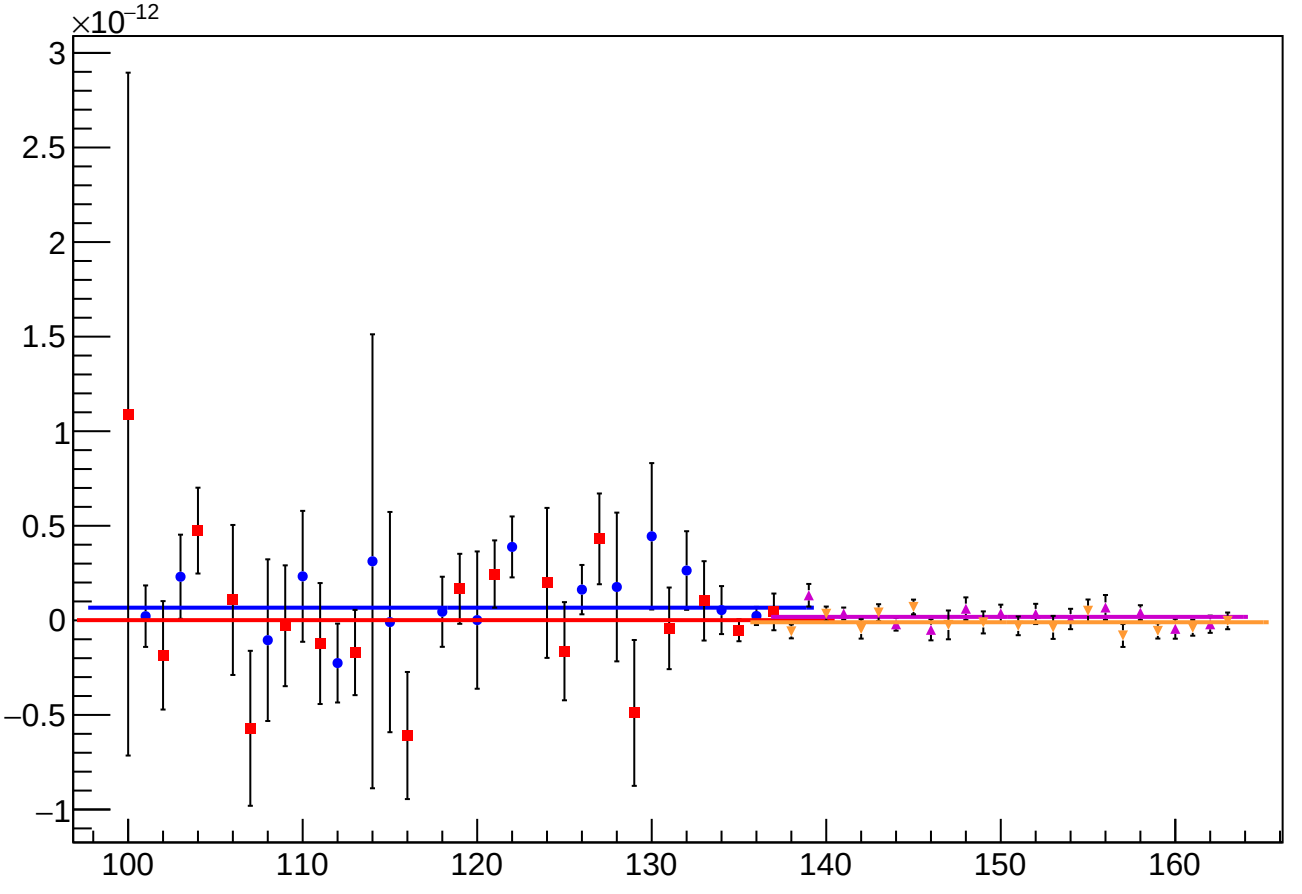
Left In: 130.357+/-0.029 χ^2/NDF:347381.5/11

+ sign 128.960+/-0.022 χ^2/NDF: 2095113.9/29

All: 129.453+/-0.016 χ^2/NDF: 4332225.7/60

- sign 129.981+/-0.023 χ^2/NDF: 2236076.6/30

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:13.8/13

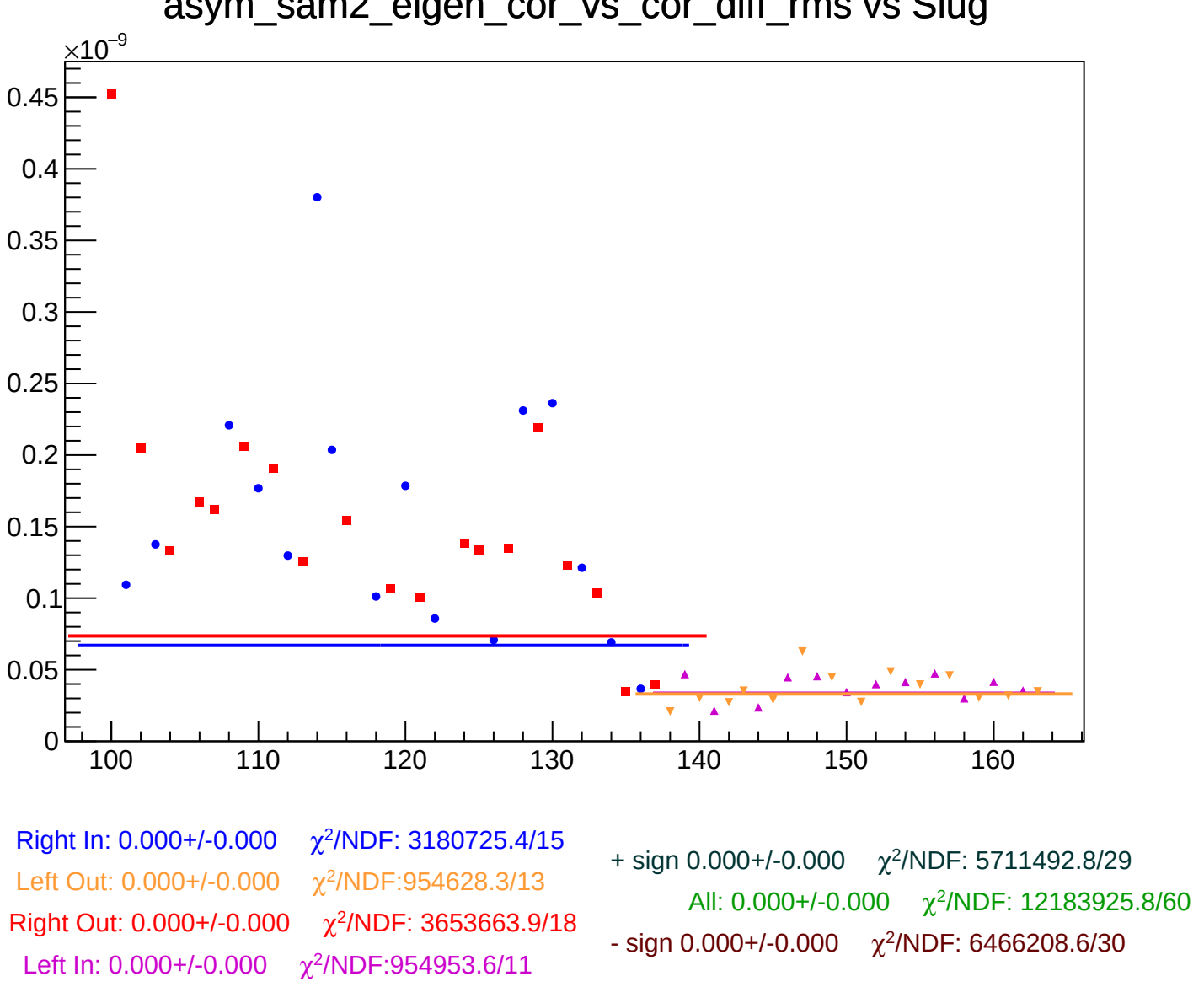
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/11

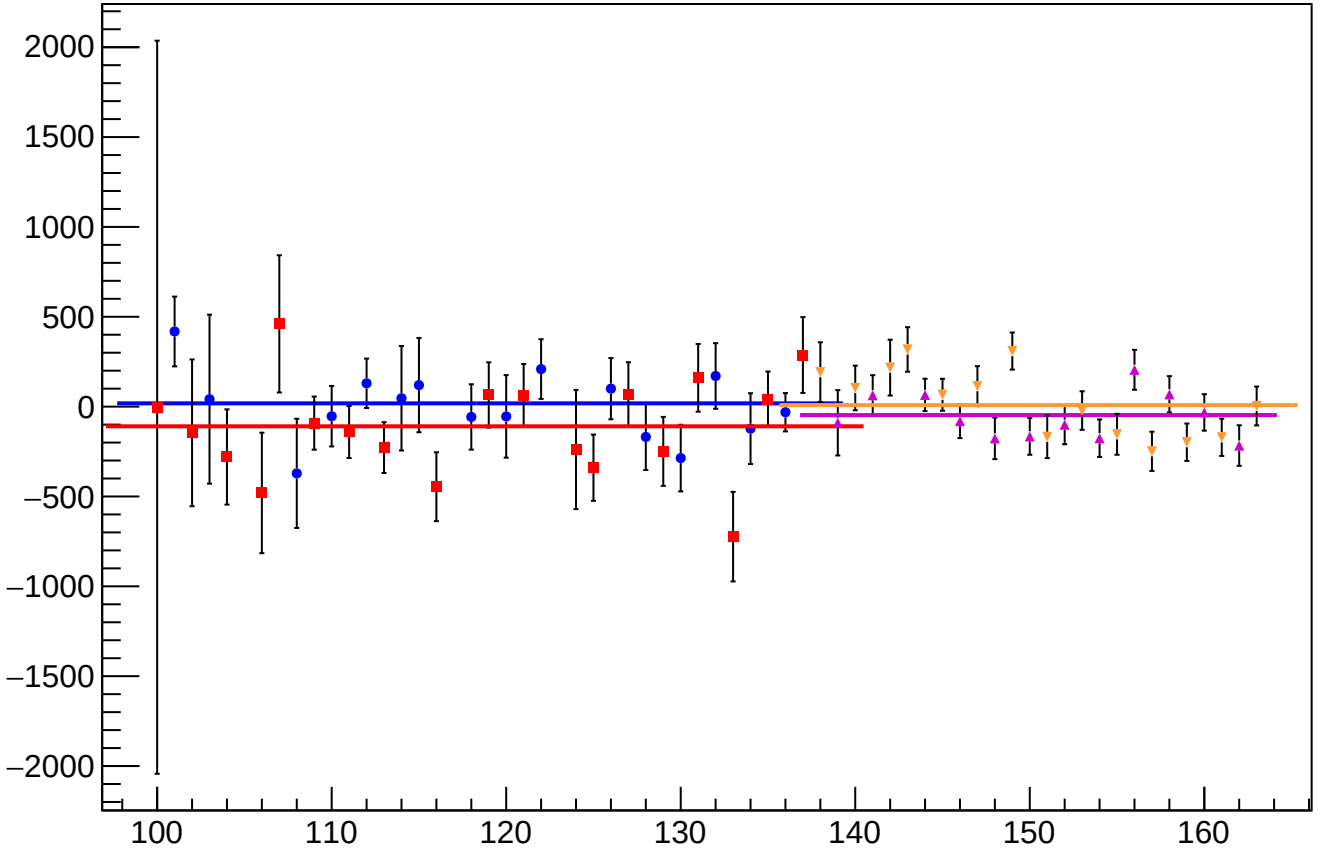
+ sign -0.000+/-0.000 χ^2/NDF: 28.2/29

All: 0.000+/-0.000 χ^2/NDF: 60.8/60

- sign 0.000+/-0.000 χ^2/NDF: 31.5/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3180725.4/15
Left Out: 0.000+/-0.000 χ²/NDF:954628.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 3653663.9/18
Left In: 0.000+/-0.000 χ²/NDF:954953.6/11
+ sign 0.000+/-0.000 χ²/NDF: 5711492.8/29
All: 0.000+/-0.000 χ²/NDF: 12183925.8/60
- sign 0.000+/-0.000 χ²/NDF: 6466208.6/30

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.547+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

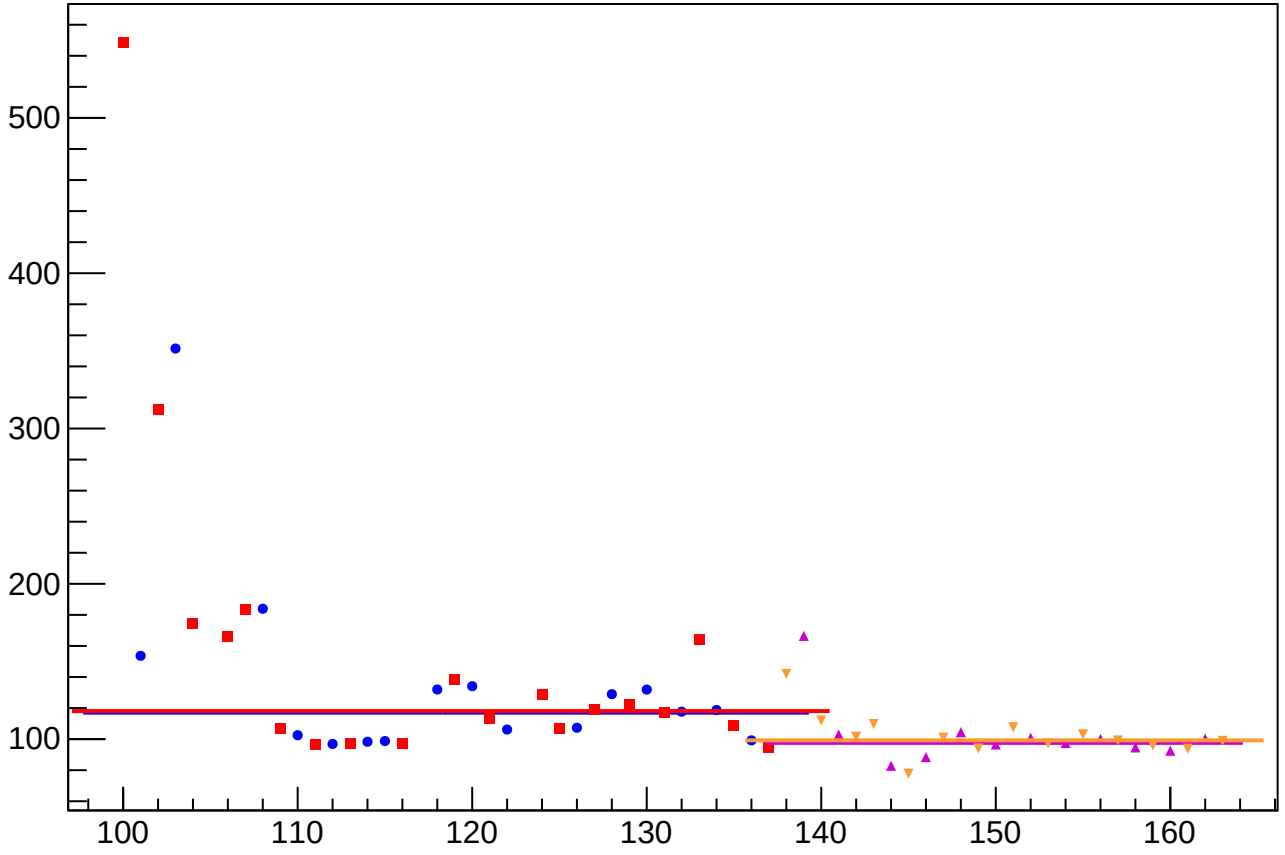
Left In: -47.011+/-30.889 χ^2/NDF:15.8/11

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -26.849+/-17.955 χ^2/NDF: 97.7/60

- sign -66.512+/-25.613 χ^2/NDF: 42.6/30

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

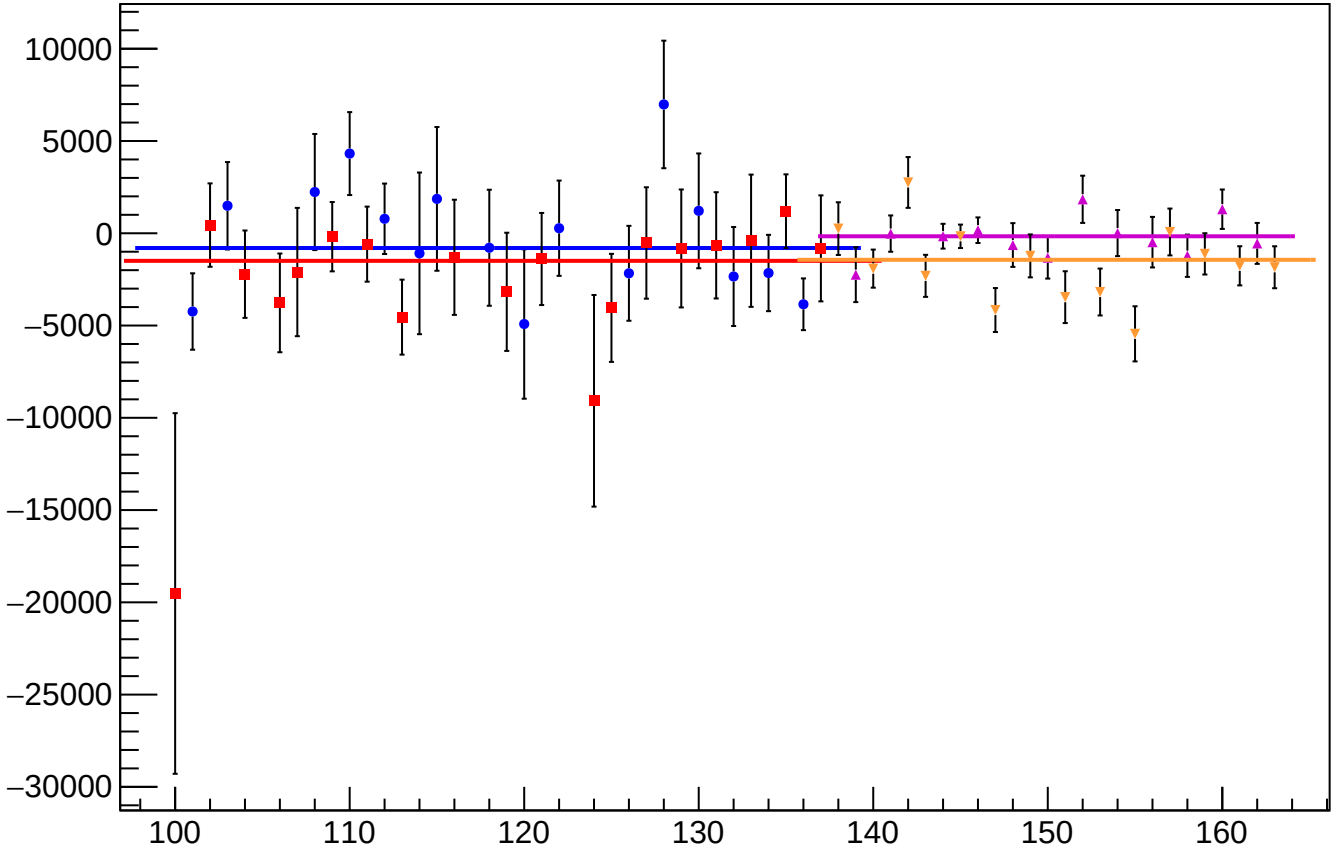
Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

+ sign 104.634+/-0.018 χ^2/NDF: 1382064.7/29

All: 104.316+/-0.013 χ^2/NDF: 3030279.0/60

- sign 103.987+/-0.018 χ^2/NDF: 1647564.2/30

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1437.713+/-297.413 χ^2/NDF:33.6/13

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

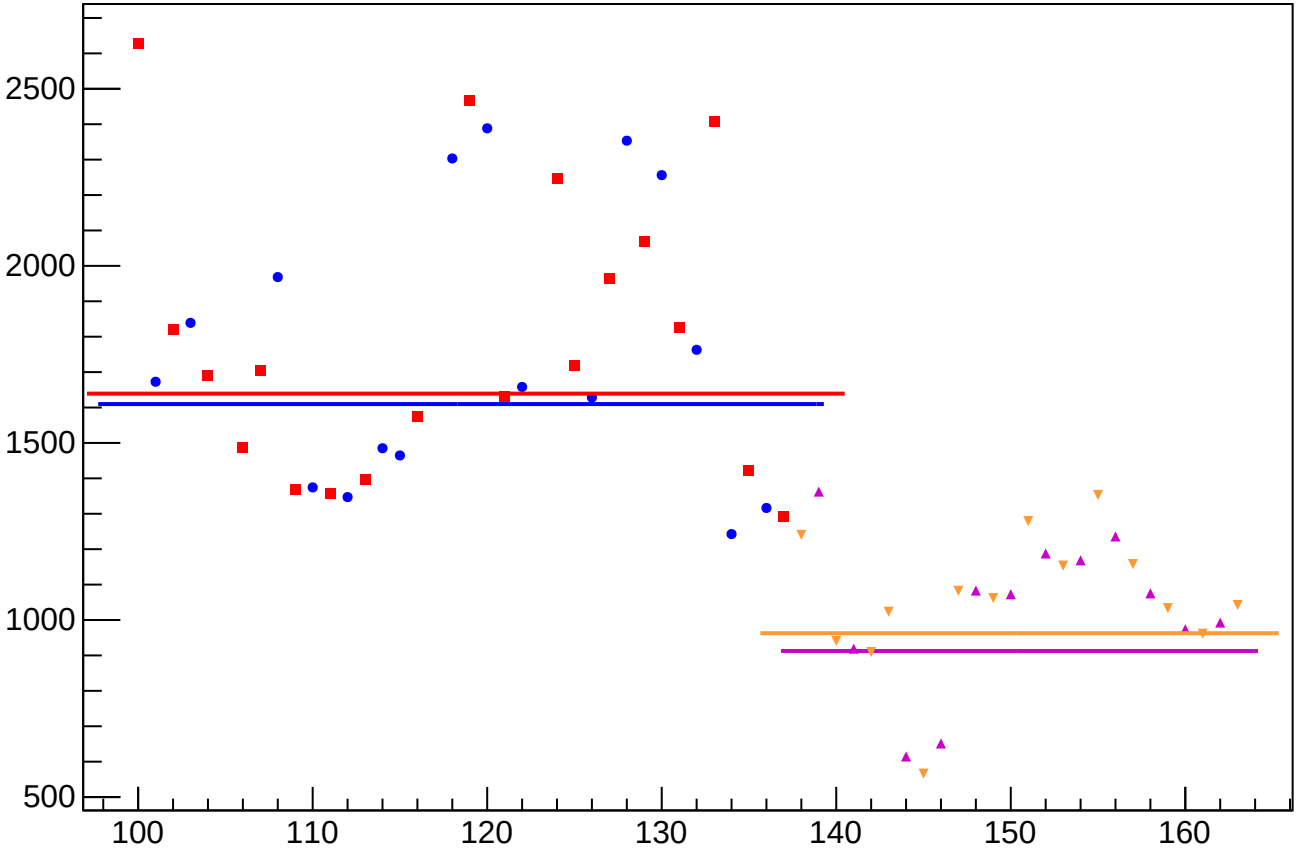
Left In: -162.997+/-294.787 χ^2/NDF:8.8/11

+ sign -1316.998+/-267.831 χ^2/NDF: 57.9/29

All: -861.295+/-188.617 χ^2/NDF: 89.2/60

- sign -412.906+/-265.673 χ^2/NDF: 25.5/30

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 962.732+/-0.210 χ^2/NDF:1247465.3/13

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

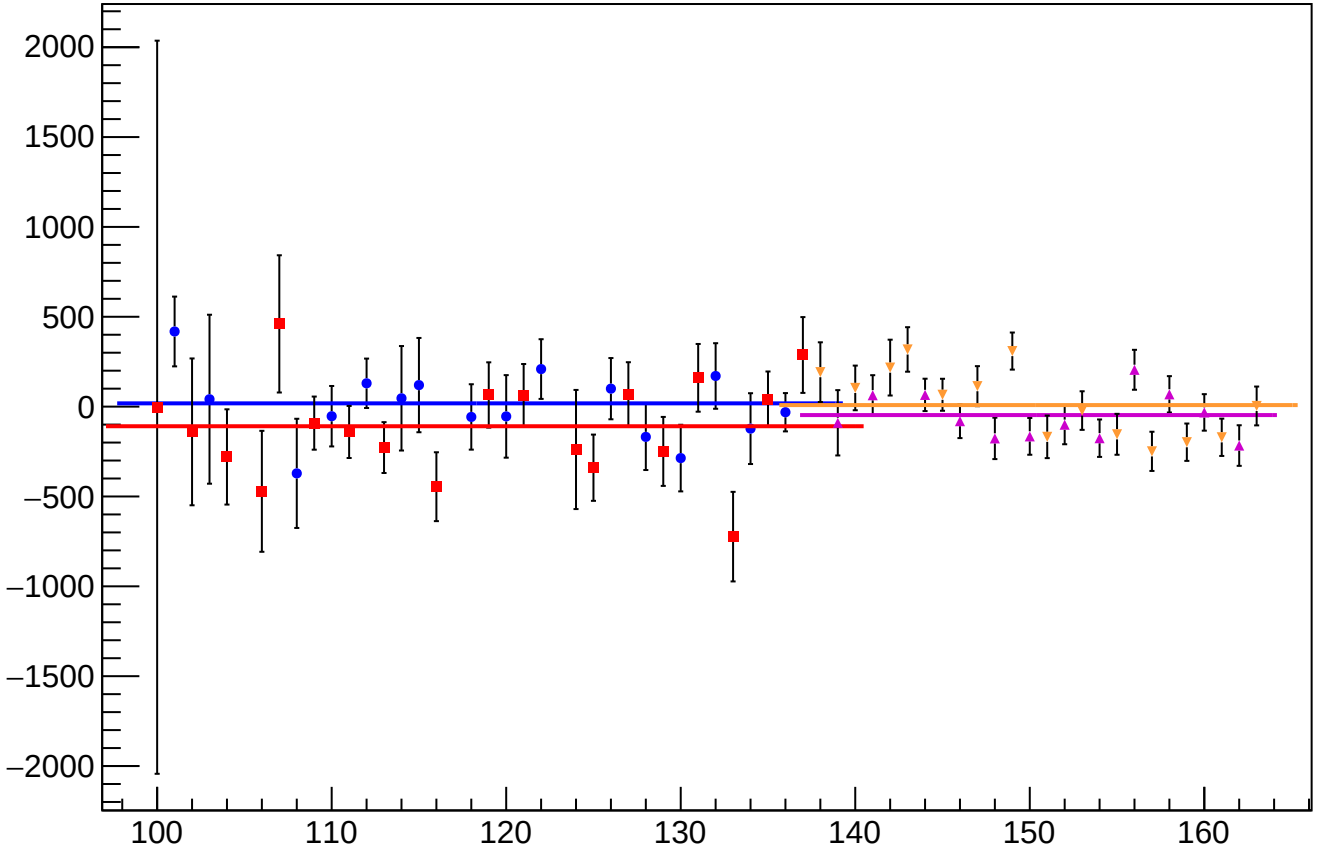
Left In: 912.533+/-0.208 χ^2/NDF:1287626.4/11

+ sign 1085.048+/-0.189 χ^2/NDF: 3656098.1/29

All: 1066.873+/-0.133 χ^2/NDF: 7764458.1/60

- sign 1048.990+/-0.188 χ^2/NDF: 4090088.0/30

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

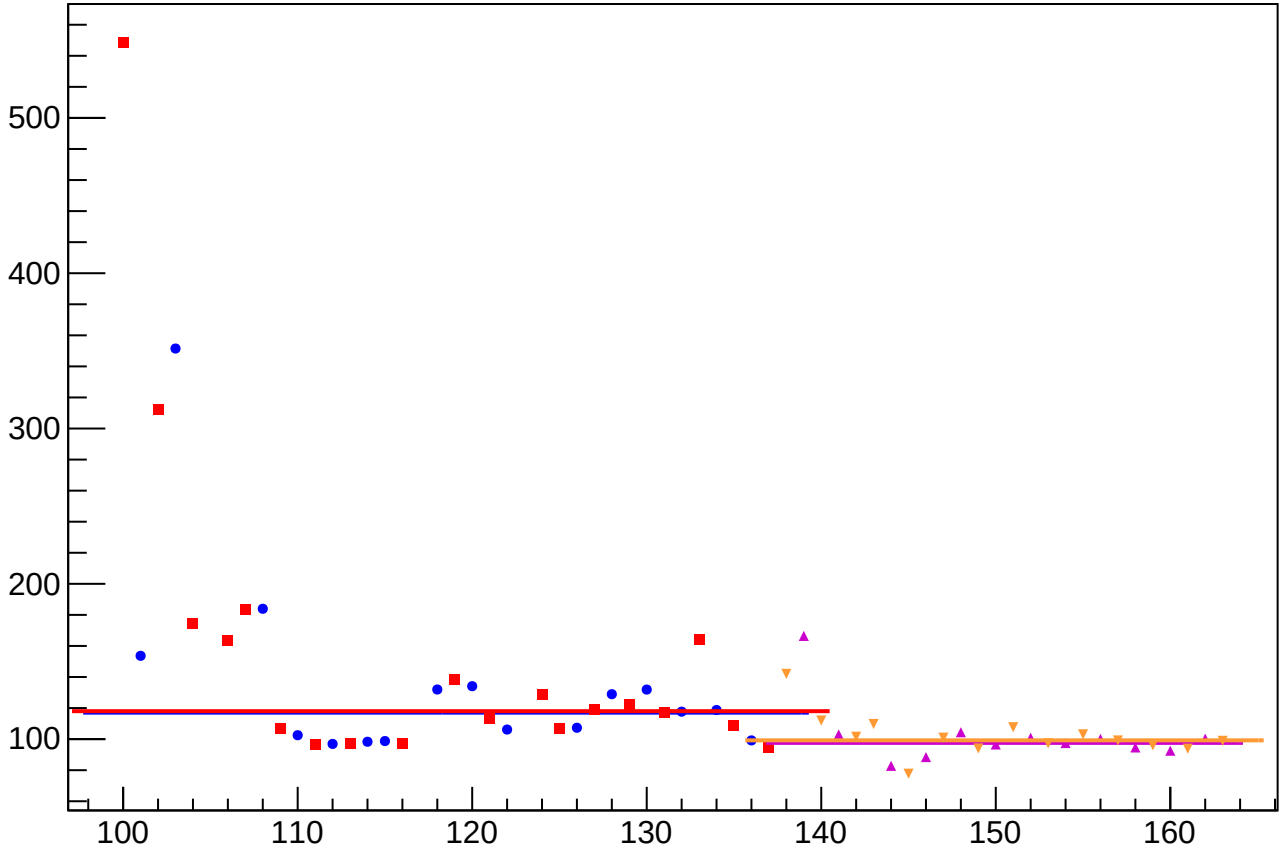
Left In: -47.013+/-30.889 χ^2/NDF:15.8/11

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -26.804+/-17.956 χ^2/NDF: 97.6/60

- sign -66.424+/-25.614 χ^2/NDF: 42.5/30

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

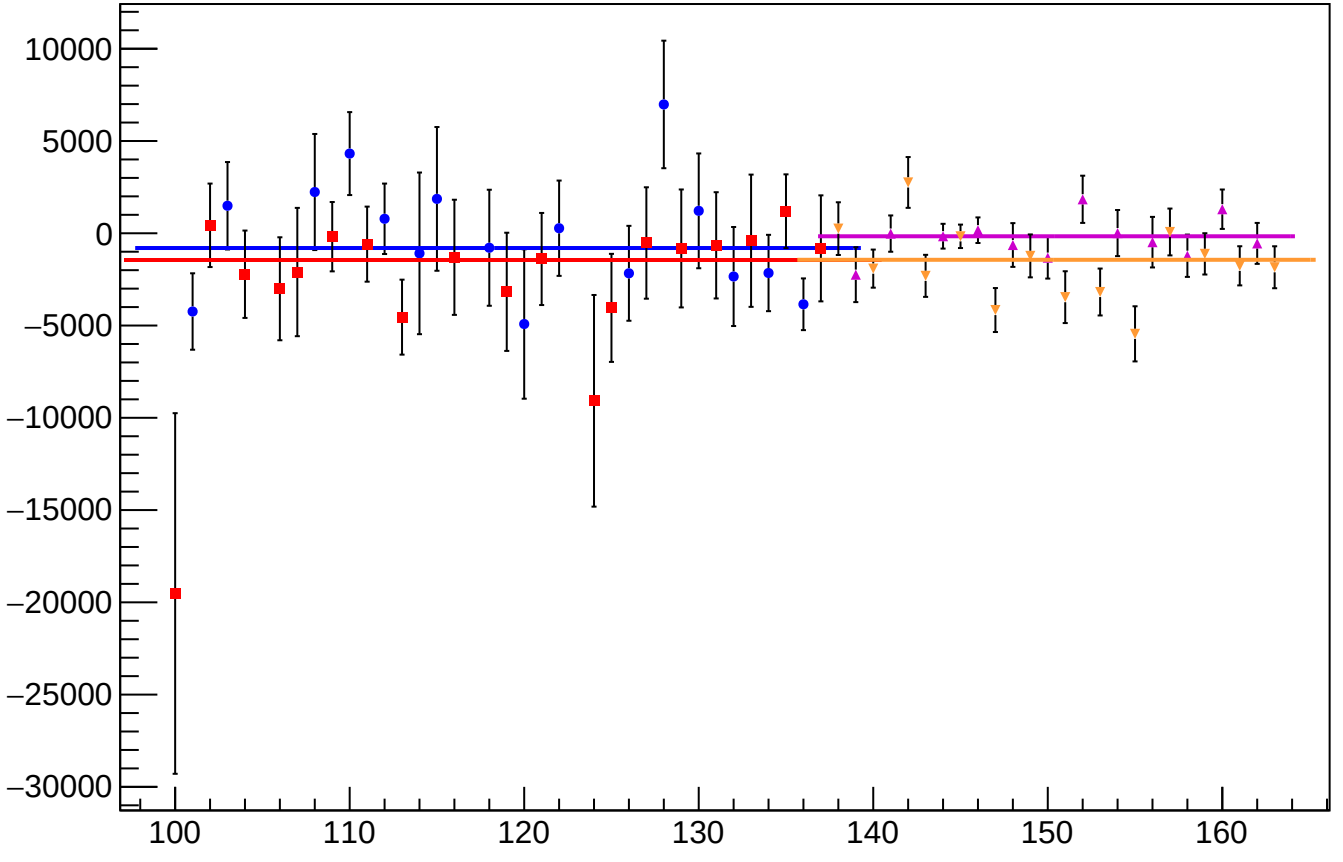
Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

+ sign 104.634+/-0.018 χ^2/NDF: 1382066.5/29

All: 104.308+/-0.013 χ^2/NDF: 3024709.9/60

- sign 103.970+/-0.018 χ^2/NDF: 1641959.1/30

asym_sam3_cor_correction_mean vs Slug



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

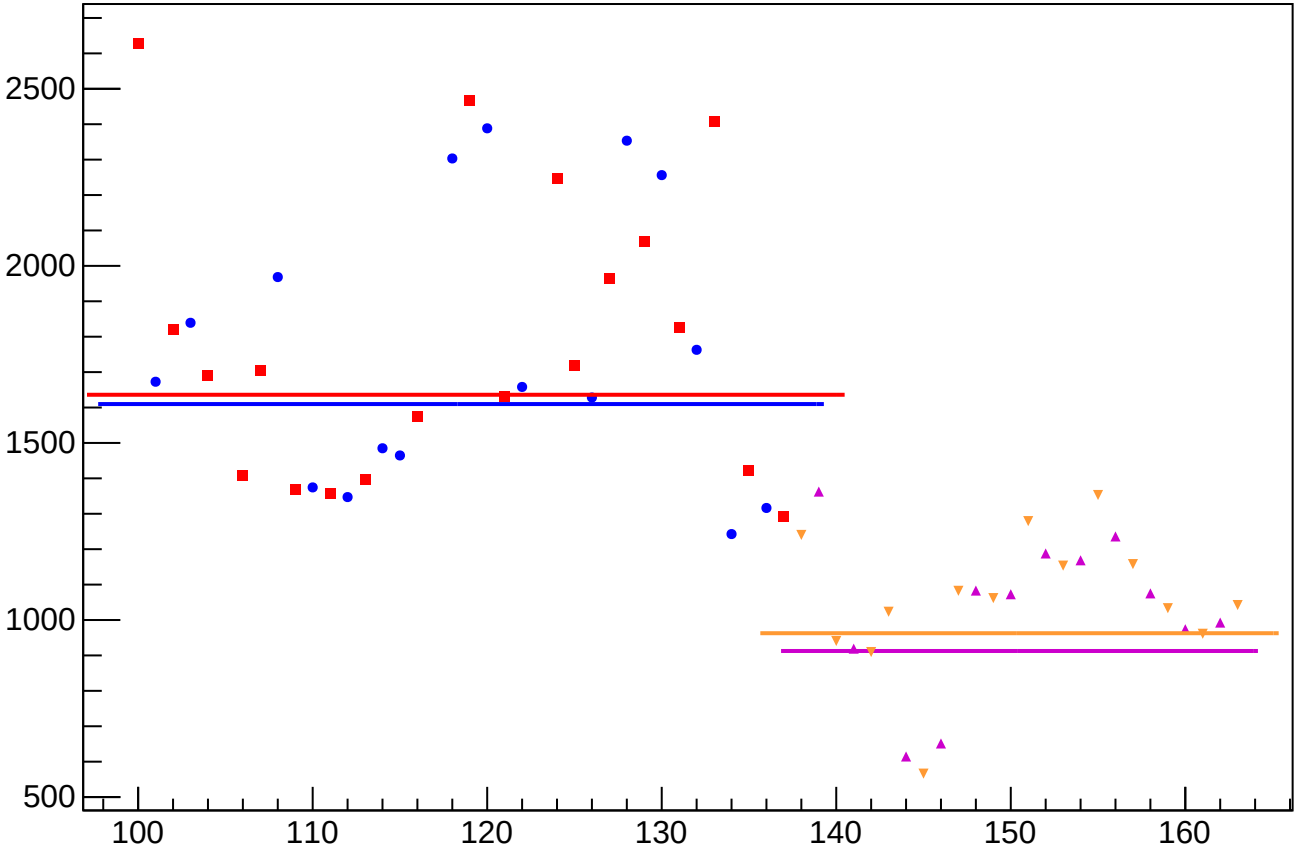
Left In: -163.002+/-294.787 χ^2/NDF:8.8/11

+ sign -1316.992+/-267.831 χ^2/NDF: 57.9/29

All: -856.745+/-188.656 χ^2/NDF: 88.6/60

- sign -403.514+/-265.782 χ^2/NDF: 24.8/30

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

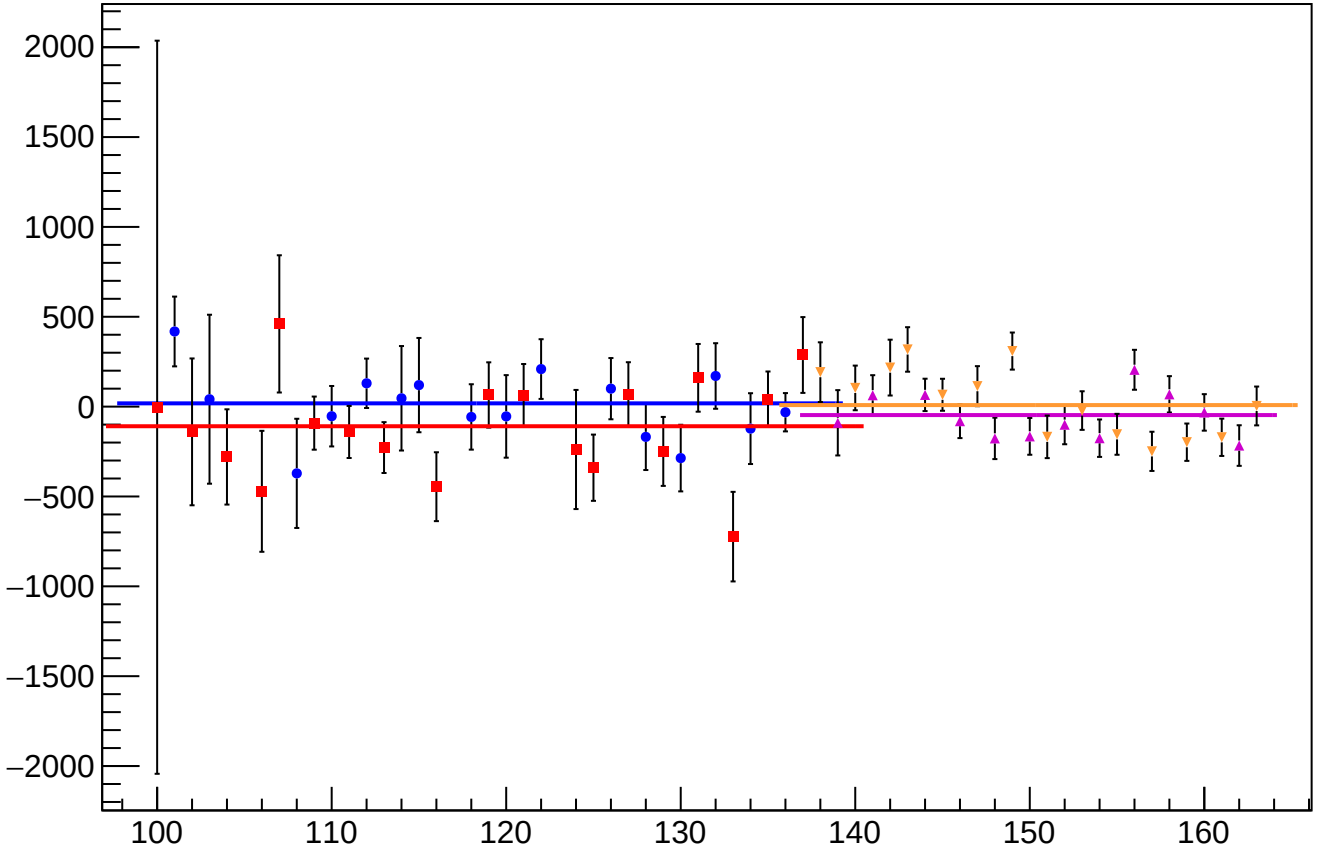
Left In: 912.532+/-0.208 χ^2/NDF:1287628.6/11

+ sign 1085.048+/-0.189 χ^2/NDF: 3656160.8/29

All: 1066.334+/-0.133 χ^2/NDF: 7745186.6/60

- sign 1047.906+/-0.188 χ^2/NDF: 4069647.0/30

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

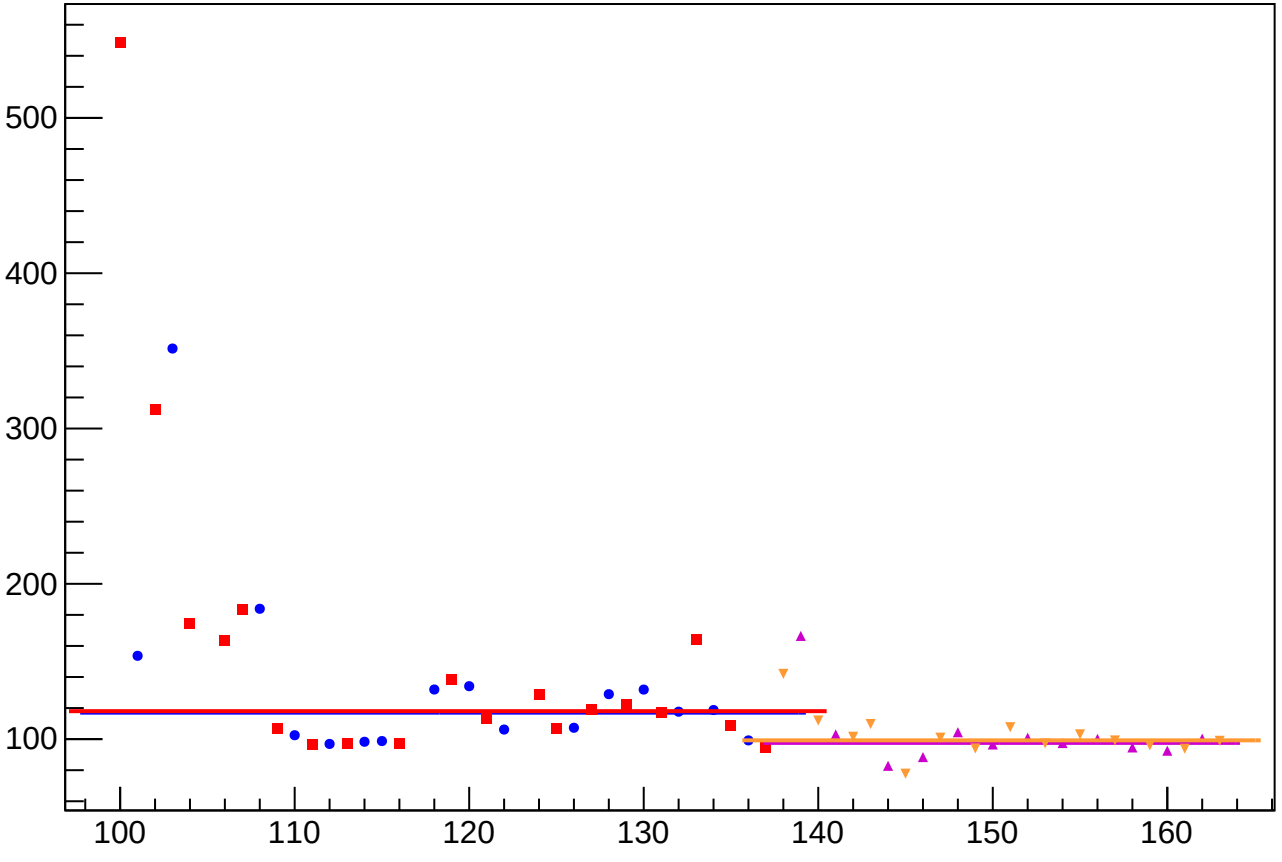
Left In: -47.013+/-30.889 χ^2/NDF:15.8/11

+ sign 11.478+/-25.178 χ^2/NDF: 50.4/29

All: -26.804+/-17.956 χ^2/NDF: 97.6/60

- sign -66.424+/-25.614 χ^2/NDF: 42.5/30

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

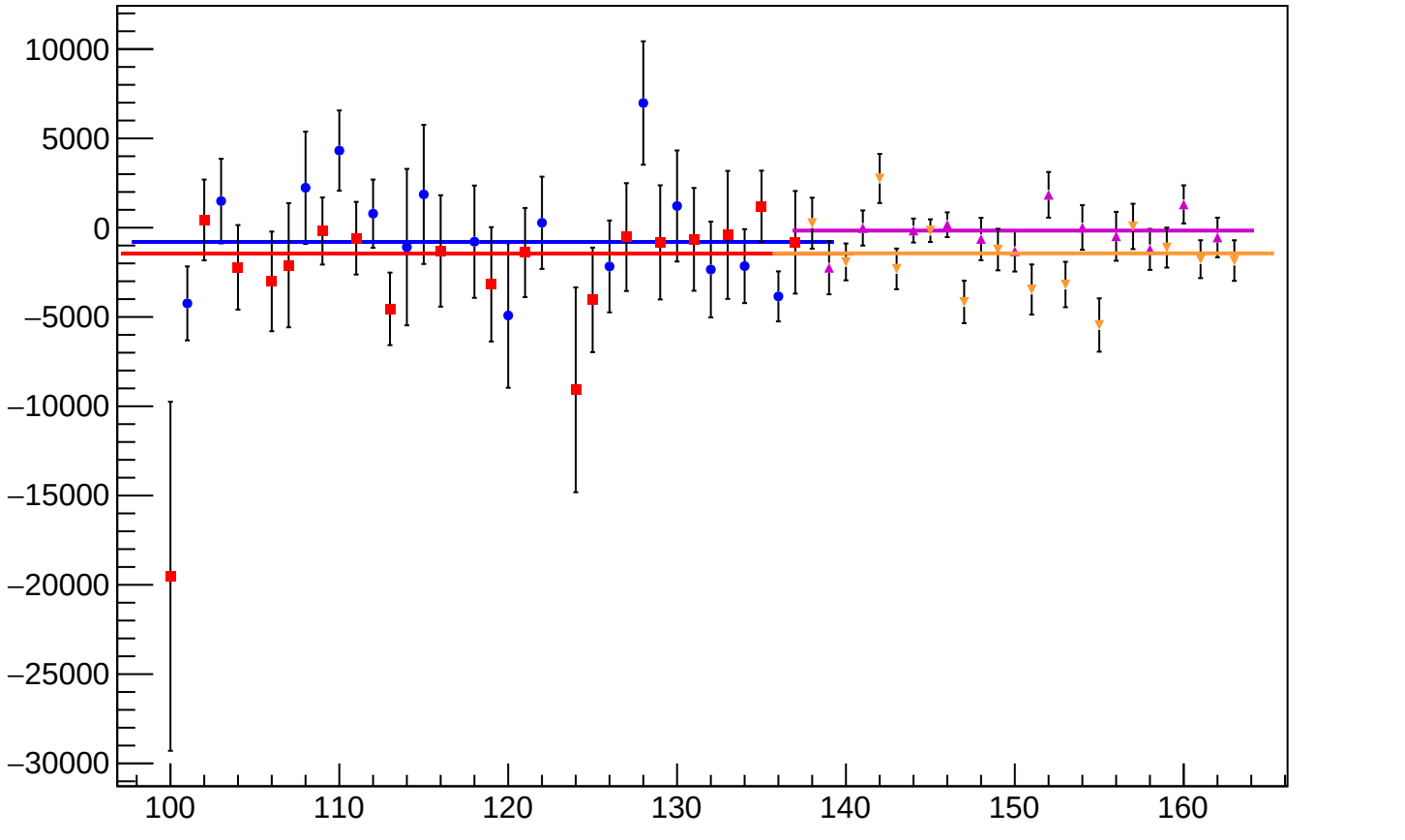
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

+ sign 104.634+/-0.018 χ^2/NDF: 1382066.5/29

All: 104.308+/-0.013 χ^2/NDF: 3024709.9/60

- sign 103.970+/-0.018 χ^2/NDF: 1641959.1/30



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

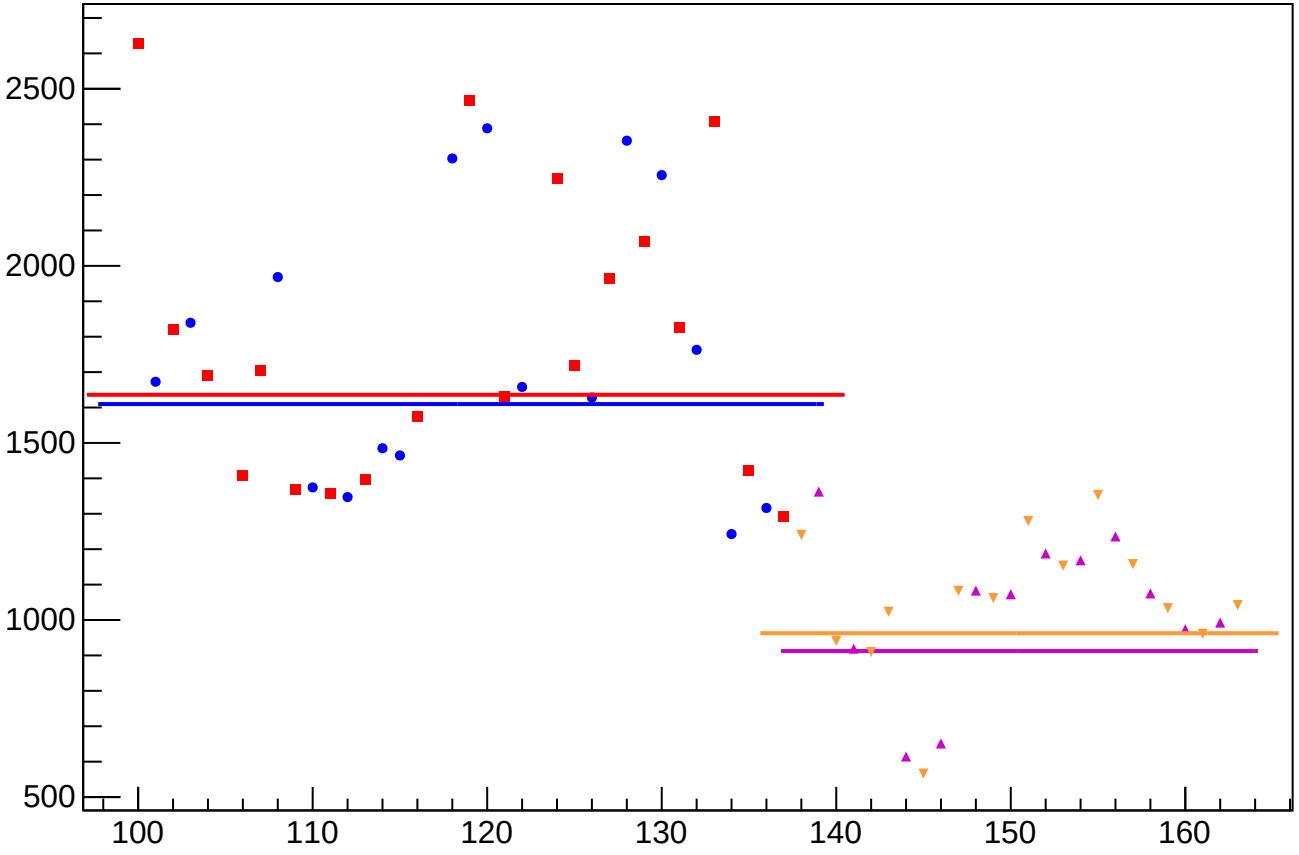
Left In: -163.002+/-294.787 χ^2/NDF:8.8/11

+ sign -1316.992+/-267.831 χ^2/NDF: 57.9/29

All: -856.745+/-188.656 χ^2/NDF: 88.6/60

- sign -403.514+/-265.782 χ^2/NDF: 24.8/30

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

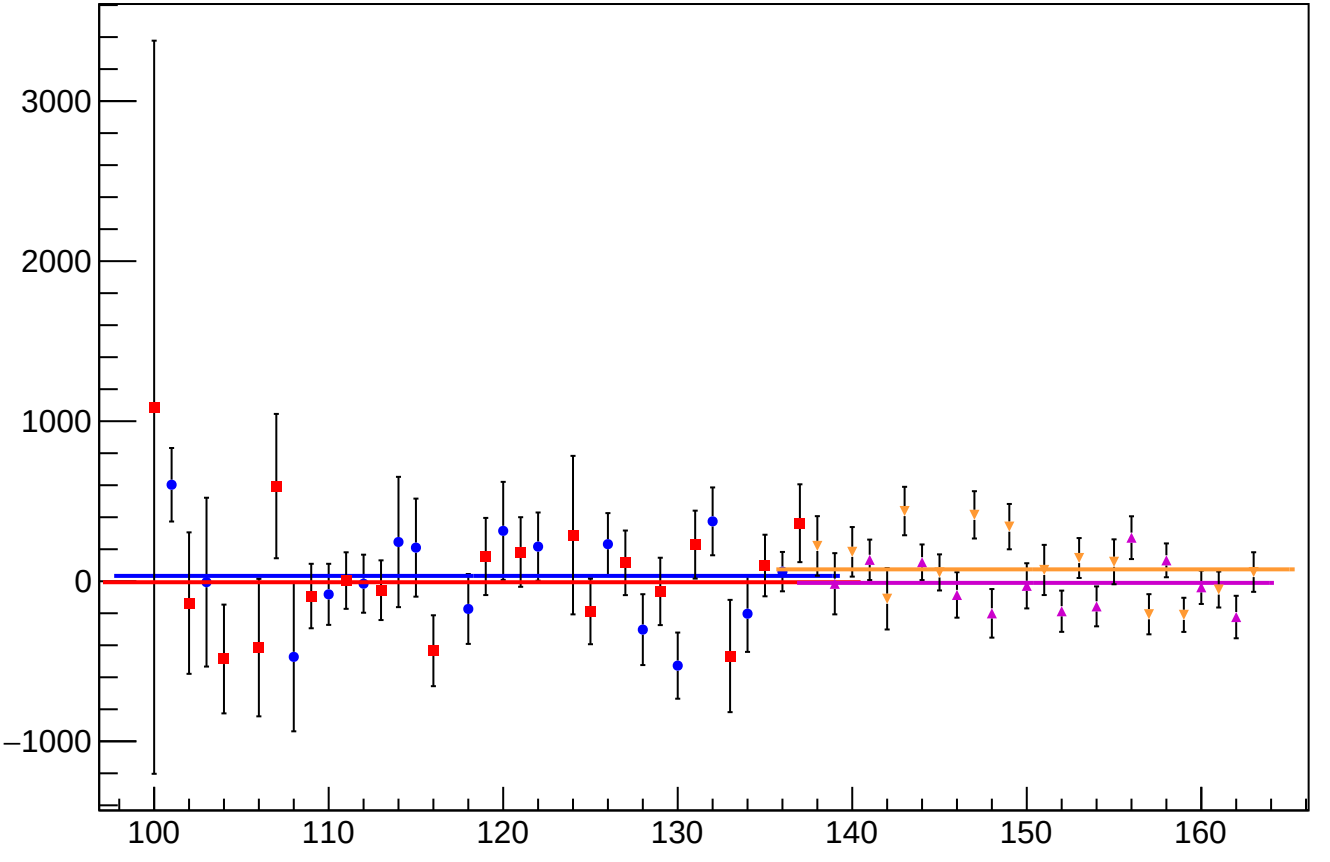
Left In: 912.532+/-0.208 χ^2/NDF:1287628.6/11

+ sign 1085.048+/-0.189 χ^2/NDF: 3656160.8/29

All: 1066.334+/-0.133 χ^2/NDF: 7745186.6/60

- sign 1047.906+/-0.188 χ^2/NDF: 4069647.0/30

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.306+/-36.096 χ^2/NDF:30.5/13

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

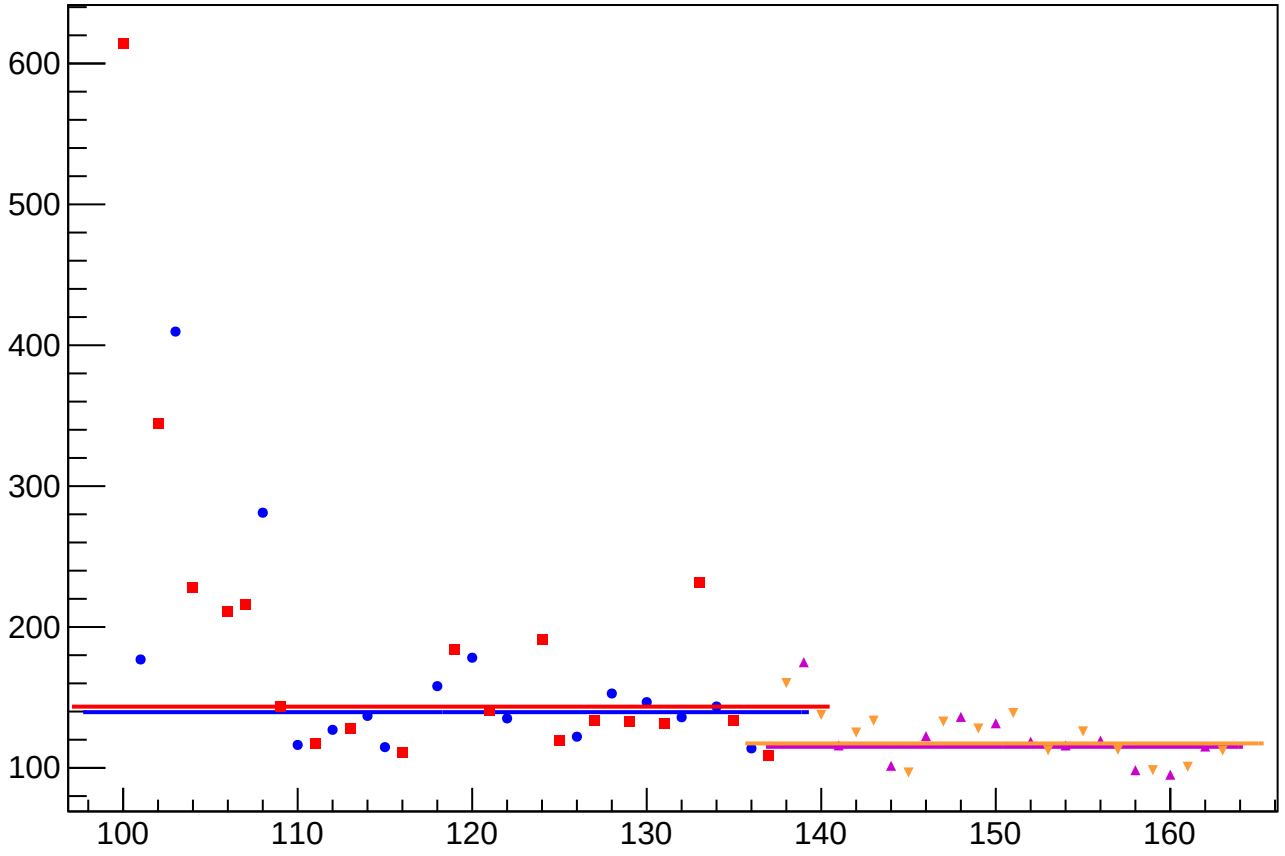
Left In: -10.169+/-36.951 χ^2/NDF:16.7/11

+ sign 61.984+/-30.162 χ^2/NDF: 56.1/29

All: 27.330+/-21.569 χ^2/NDF: 92.8/60

- sign -8.940+/-30.857 χ^2/NDF: 34.0/30

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 117.372+/-0.026 χ^2/NDF:427349.3/13

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

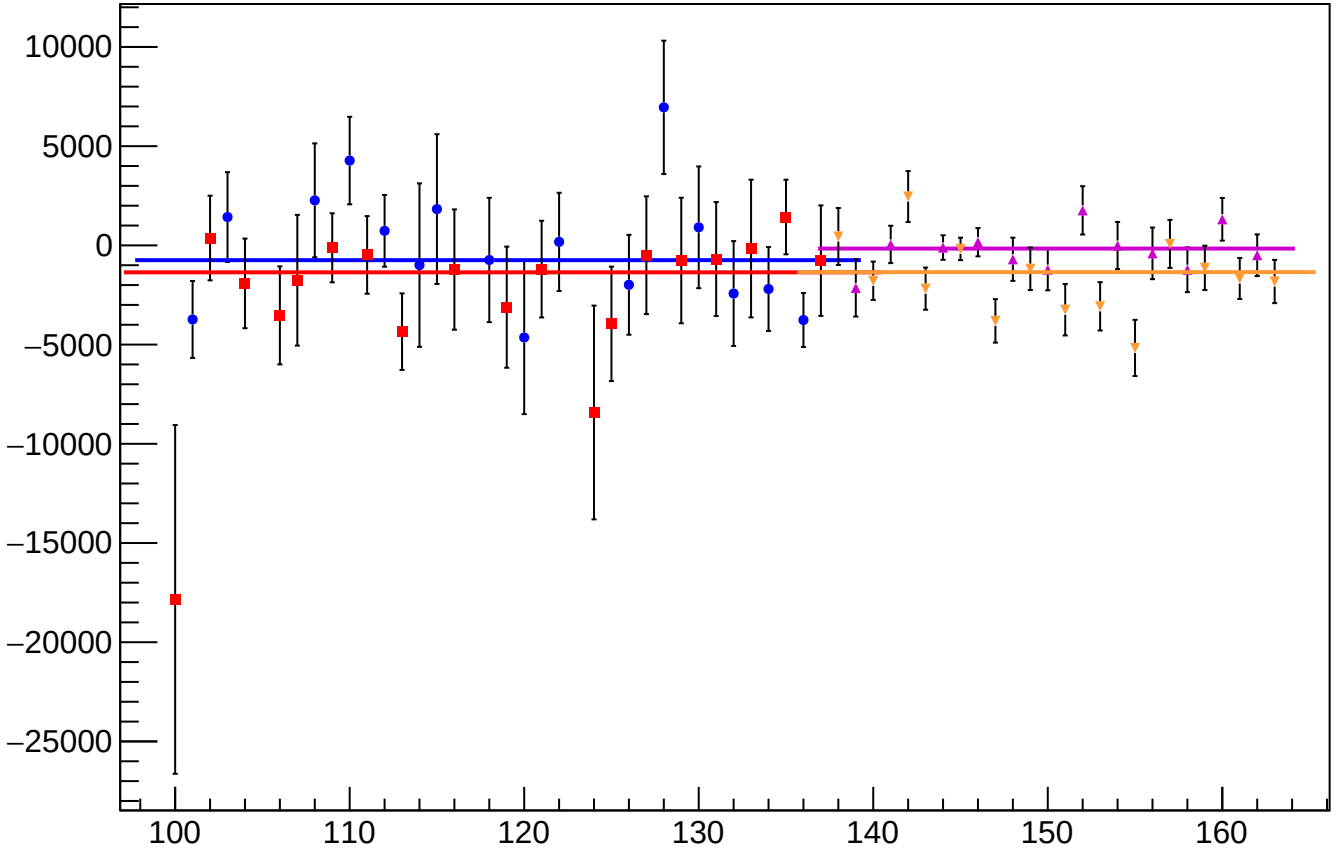
Left In: 114.970+/-0.026 χ^2/NDF:424544.5/11

+ sign 124.069+/-0.021 χ^2/NDF: 1632260.2/29

All: 123.839+/-0.015 χ^2/NDF: 3534030.1/60

- sign 123.598+/-0.022 χ^2/NDF: 1901531.6/30

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

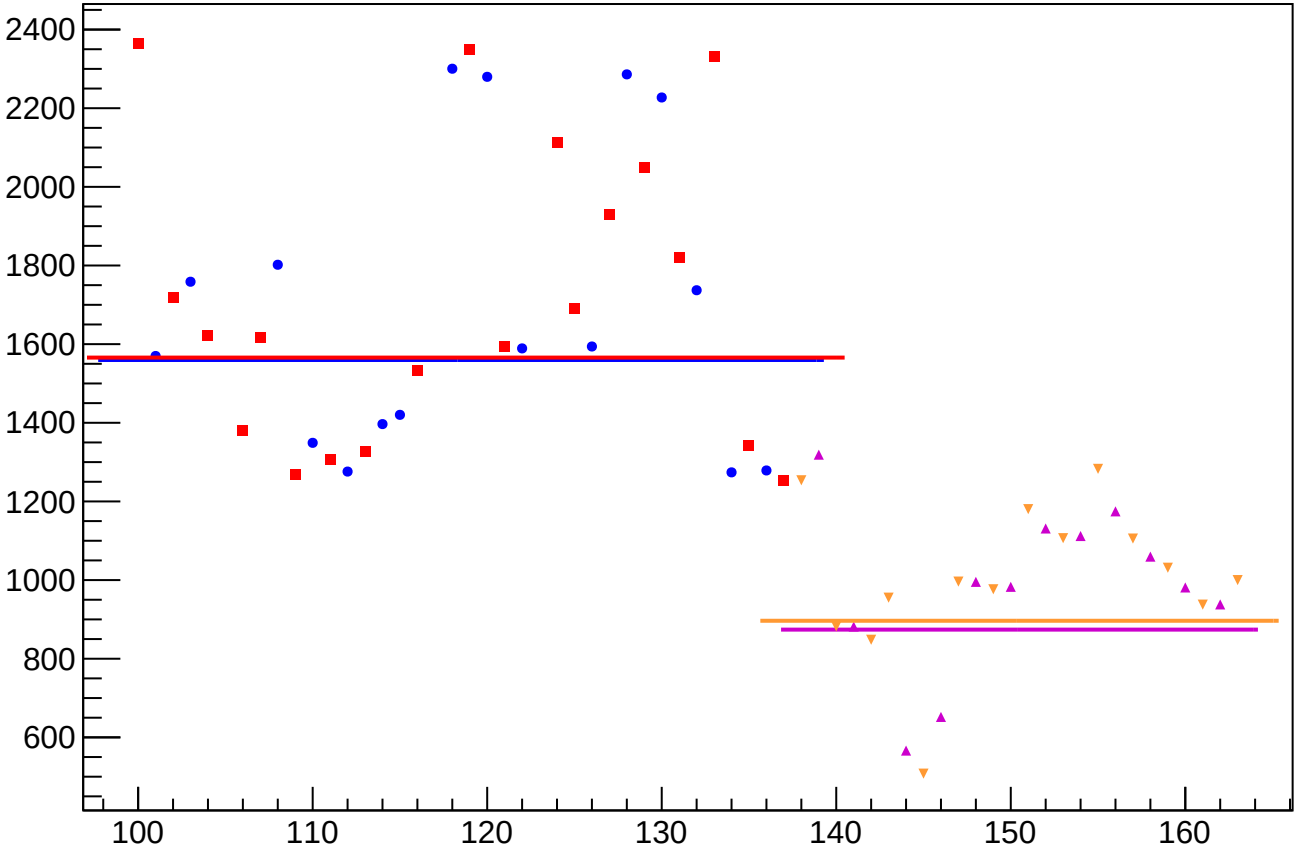
Left In: -160.128+/-282.777 χ^2/NDF:8.9/11

+ sign -1240.549+/-252.140 χ^2/NDF: 58.0/29

All: -817.759+/-179.174 χ^2/NDF: 89.5/60

- sign -386.475+/-254.660 χ^2/NDF: 25.8/30

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 896.540+/-0.197 χ^2/NDF:1518966.4/13

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

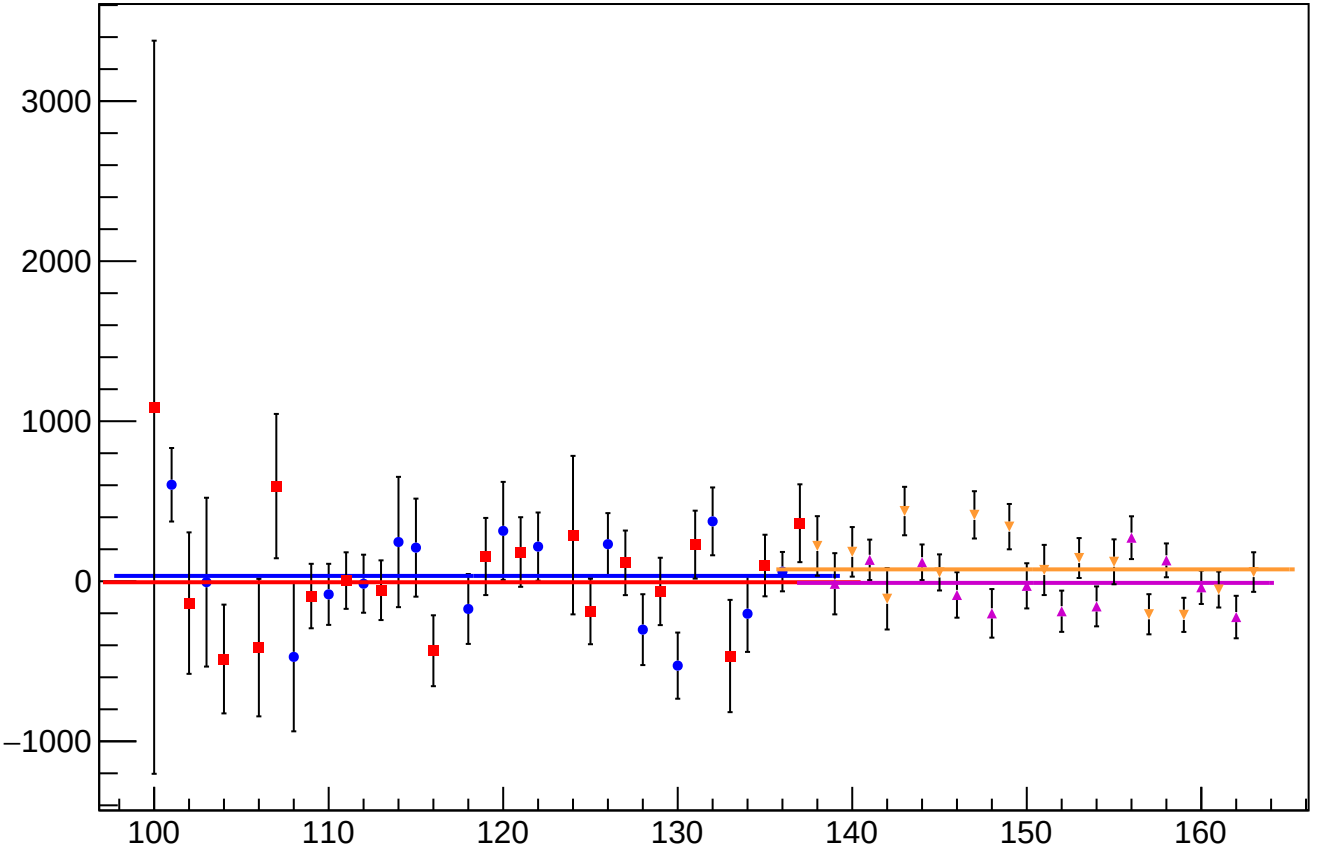
Left In: 874.021+/-0.200 χ^2/NDF:1285293.9/11

+ sign 1015.311+/-0.178 χ^2/NDF: 4157375.5/29

All: 1010.084+/-0.127 χ^2/NDF: 8270278.9/60

- sign 1004.753+/-0.180 χ^2/NDF: 4111167.4/30

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.309+/-36.096 χ^2/NDF:30.5/13

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

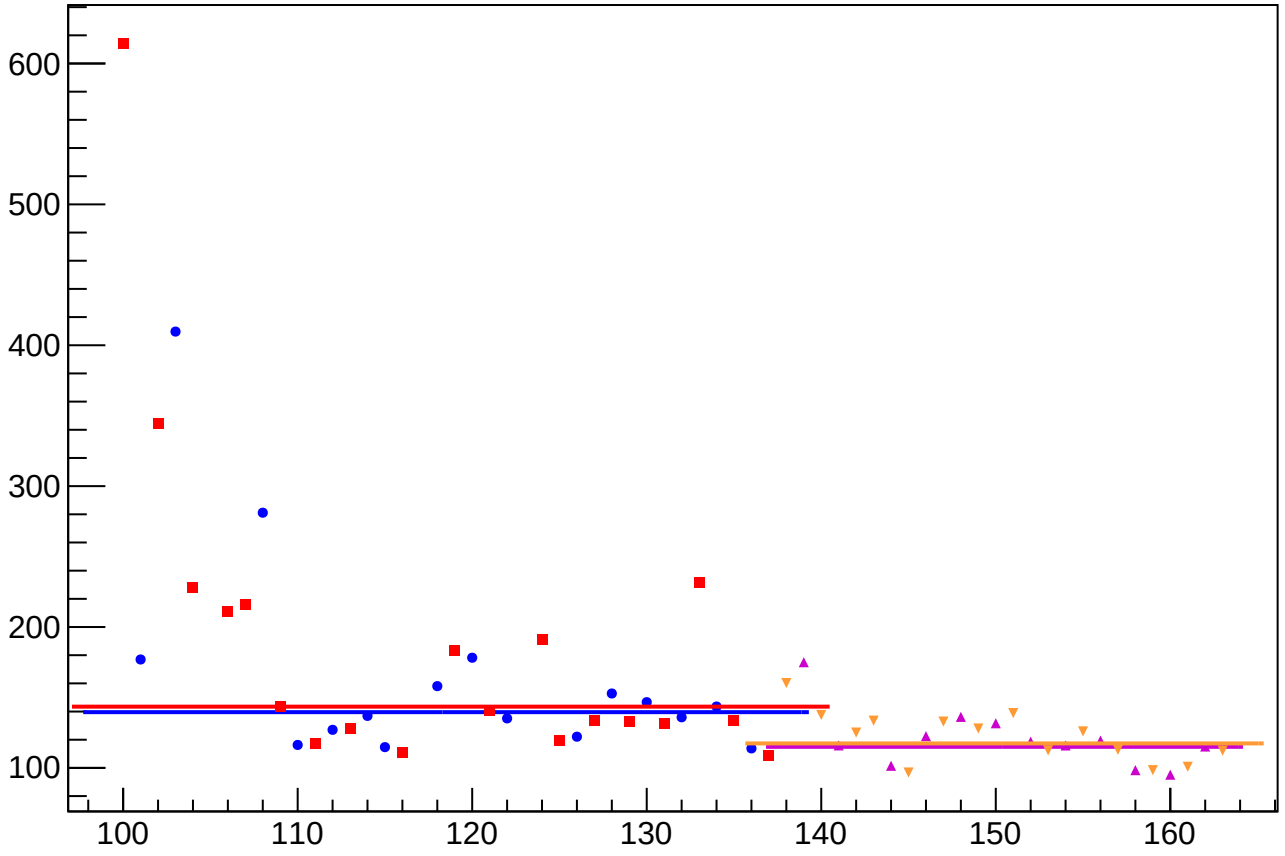
Left In: -10.168+/-36.951 χ^2/NDF:16.7/11

+ sign 61.985+/-30.162 χ^2/NDF: 56.1/29

All: 27.331+/-21.569 χ^2/NDF: 92.8/60

- sign -8.937+/-30.857 χ^2/NDF: 34.0/30

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 117.372+/-0.026 χ^2/NDF:427364.5/13

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

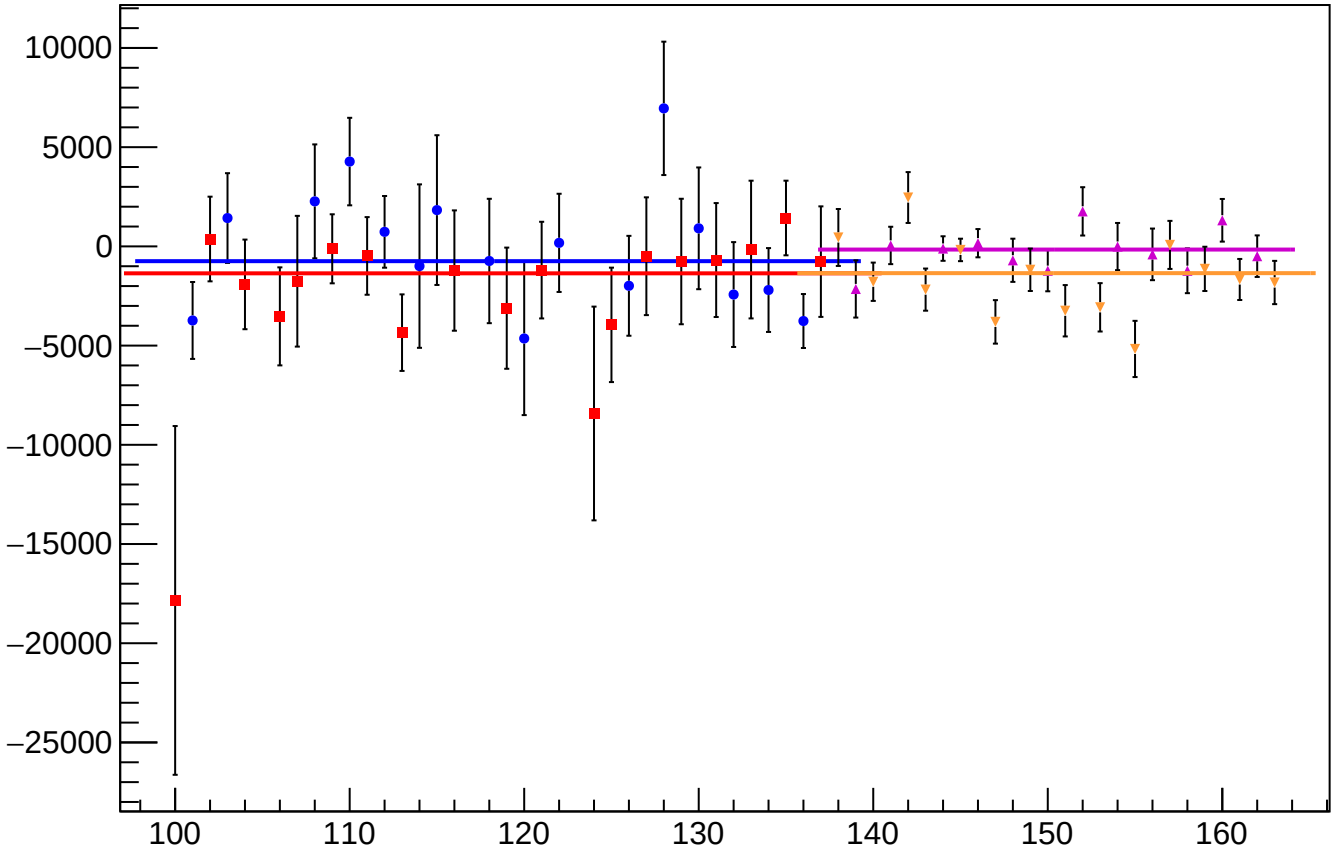
Left In: 114.971+/-0.026 χ^2/NDF:424553.3/11

+ sign 124.070+/-0.021 χ^2/NDF: 1632270.7/29

All: 123.840+/-0.015 χ^2/NDF: 3534053.9/60

- sign 123.599+/-0.022 χ^2/NDF: 1901545.0/30

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

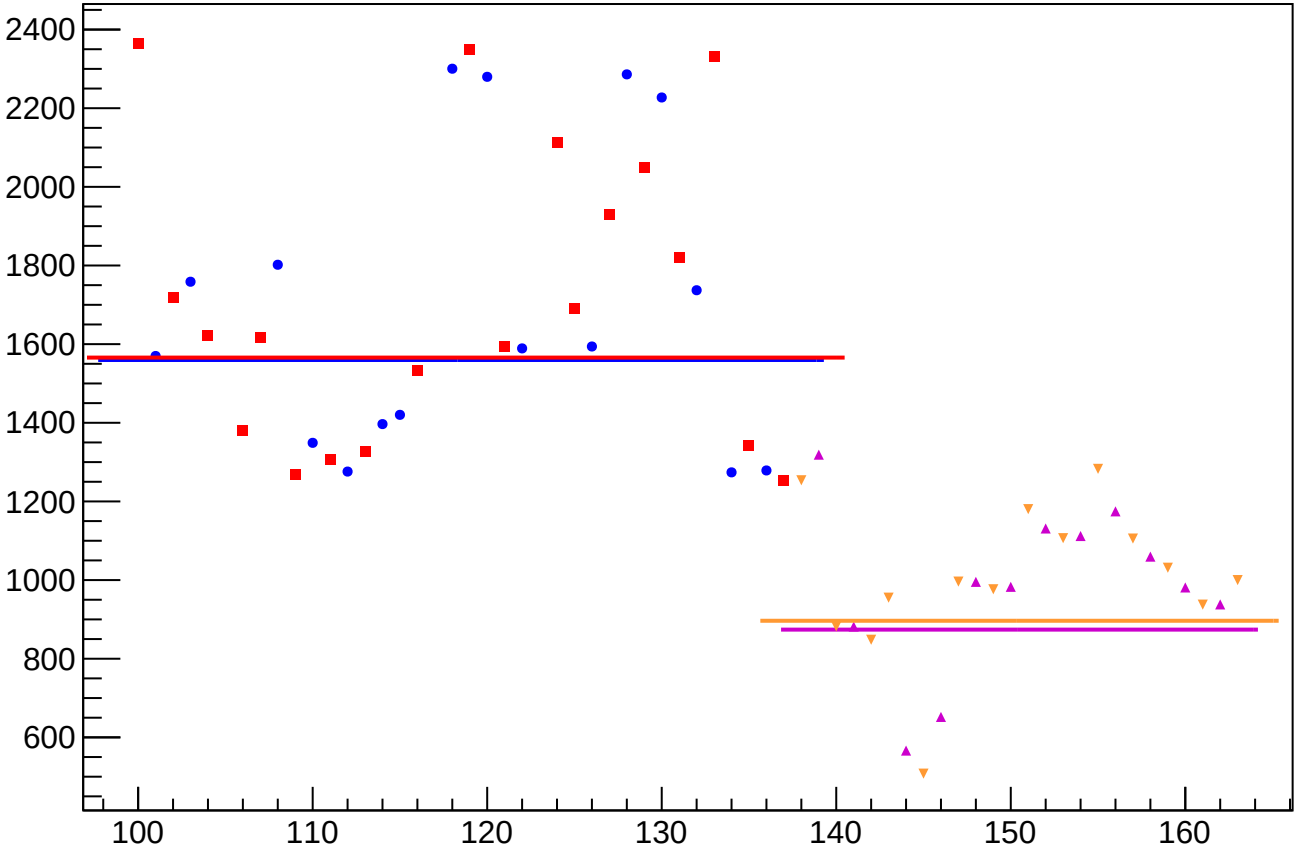
Left In: -160.127+/-282.776 χ^2/NDF:8.9/11

+ sign -1240.549+/-252.139 χ^2/NDF: 58.0/29

All: -817.758+/-179.174 χ^2/NDF: 89.5/60

- sign -386.474+/-254.659 χ^2/NDF: 25.8/30

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 896.539+/-0.197 χ^2/NDF:1518963.2/13

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

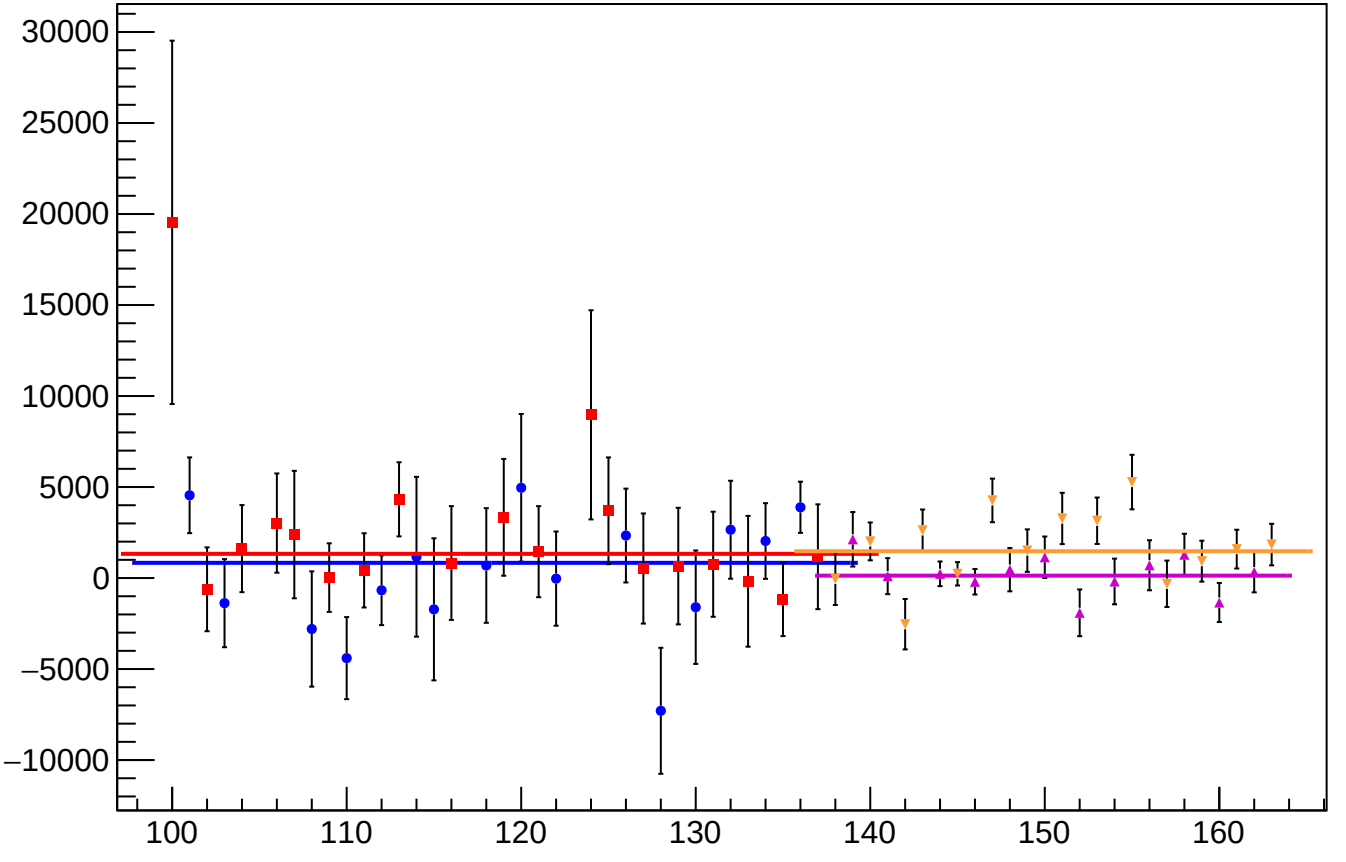
Left In: 874.020+/-0.200 χ^2/NDF:1285291.0/11

+ sign 1015.310+/-0.178 χ^2/NDF: 4157373.9/29

All: 1010.083+/-0.127 χ^2/NDF: 8270271.2/60

- sign 1004.752+/-0.180 χ^2/NDF: 4111161.4/30

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1472.035+/-299.250 χ^2/NDF:32.0/13

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

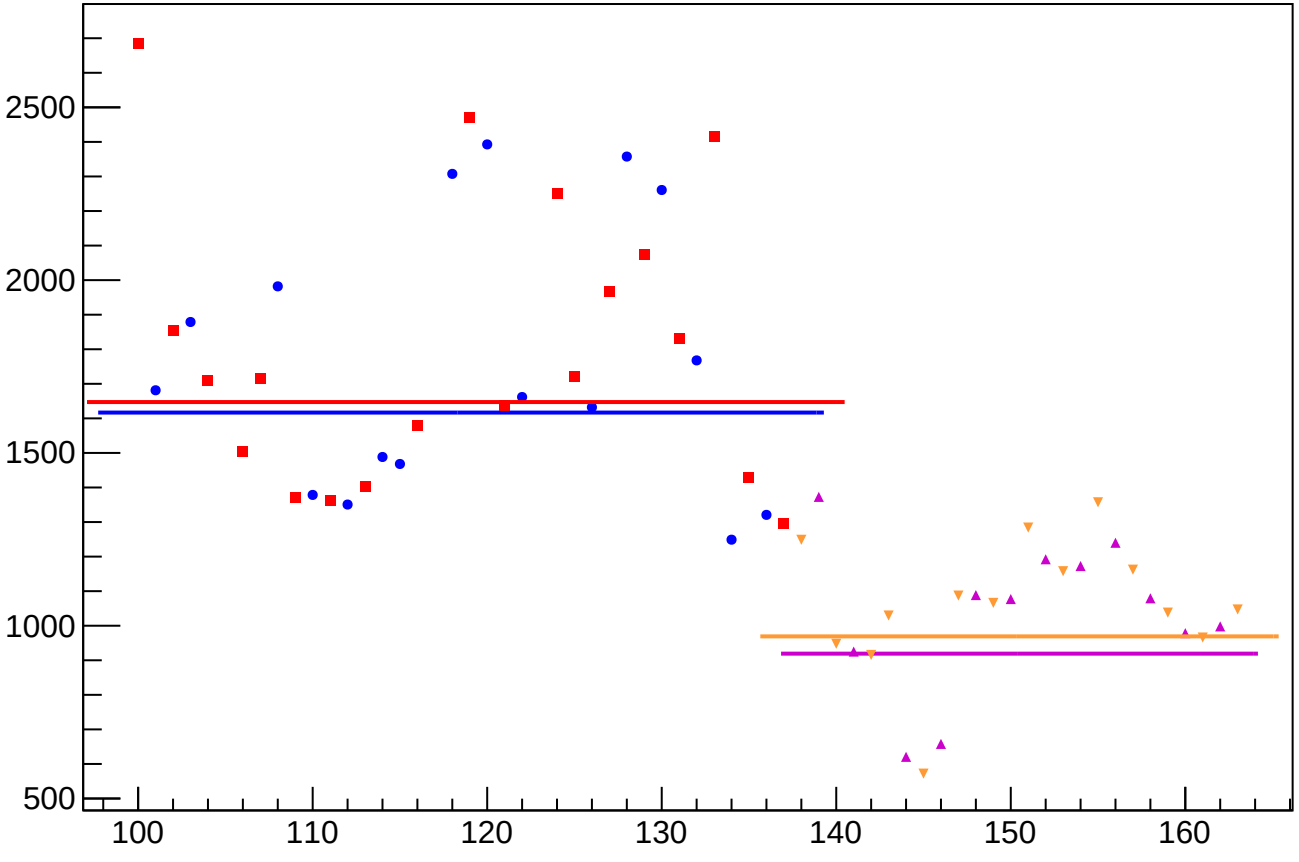
Left In: 132.434+/-296.759 χ^2/NDF:8.6/11

+ sign 1351.380+/-269.400 χ^2/NDF: 57.8/29

All: 850.801+/-189.779 χ^2/NDF: 88.4/60

- sign 357.675+/-267.387 χ^2/NDF: 23.8/30

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 969.158+/-0.212 χ^2/NDF:1224336.9/13

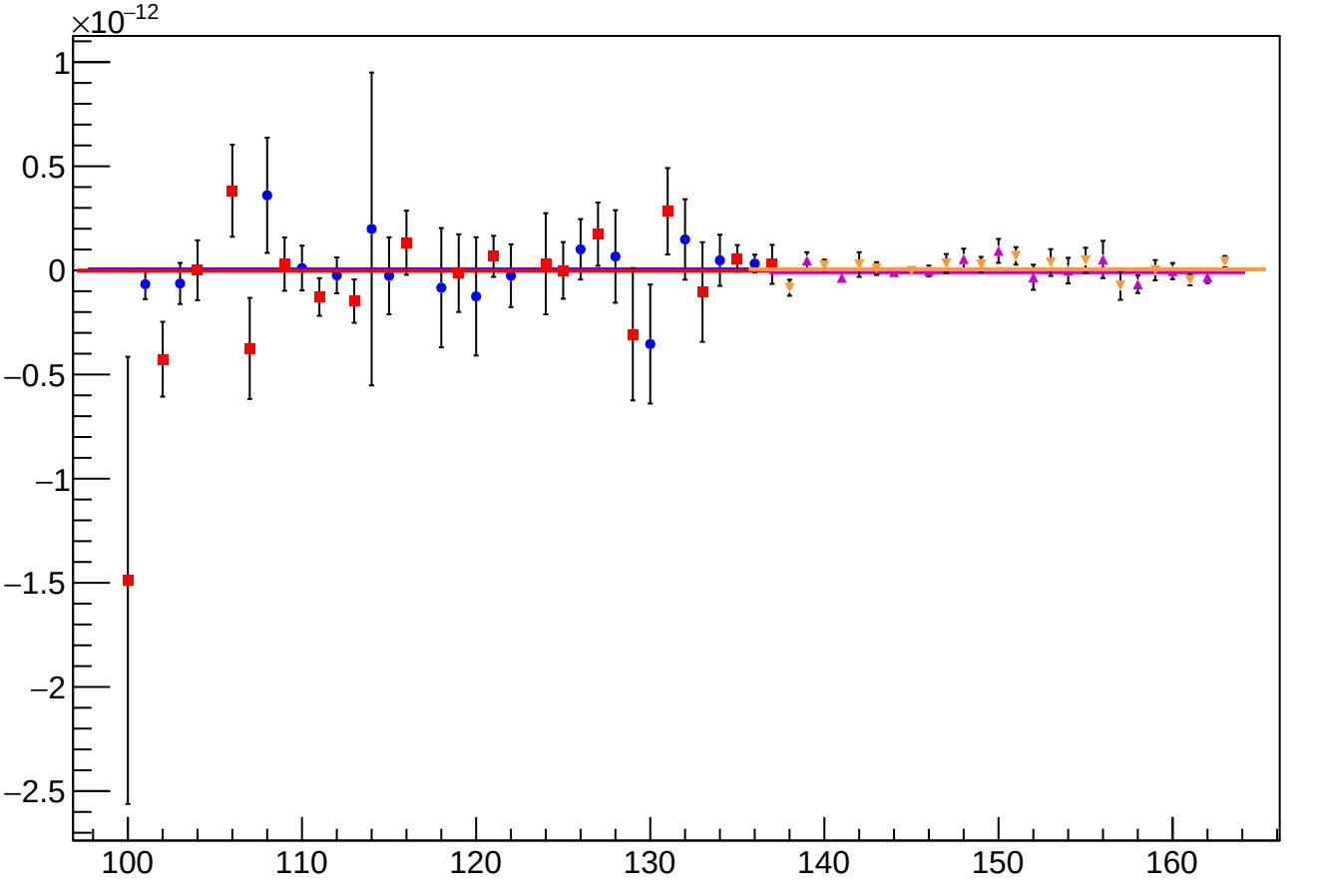
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 919.192+/-0.210 χ^2/NDF:1264676.3/11

+ sign 1091.919+/-0.190 χ^2/NDF: 3622265.6/29

All: 1073.913+/-0.134 χ^2/NDF: 7693407.5/60

- sign 1056.176+/-0.189 χ^2/NDF: 4053406.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

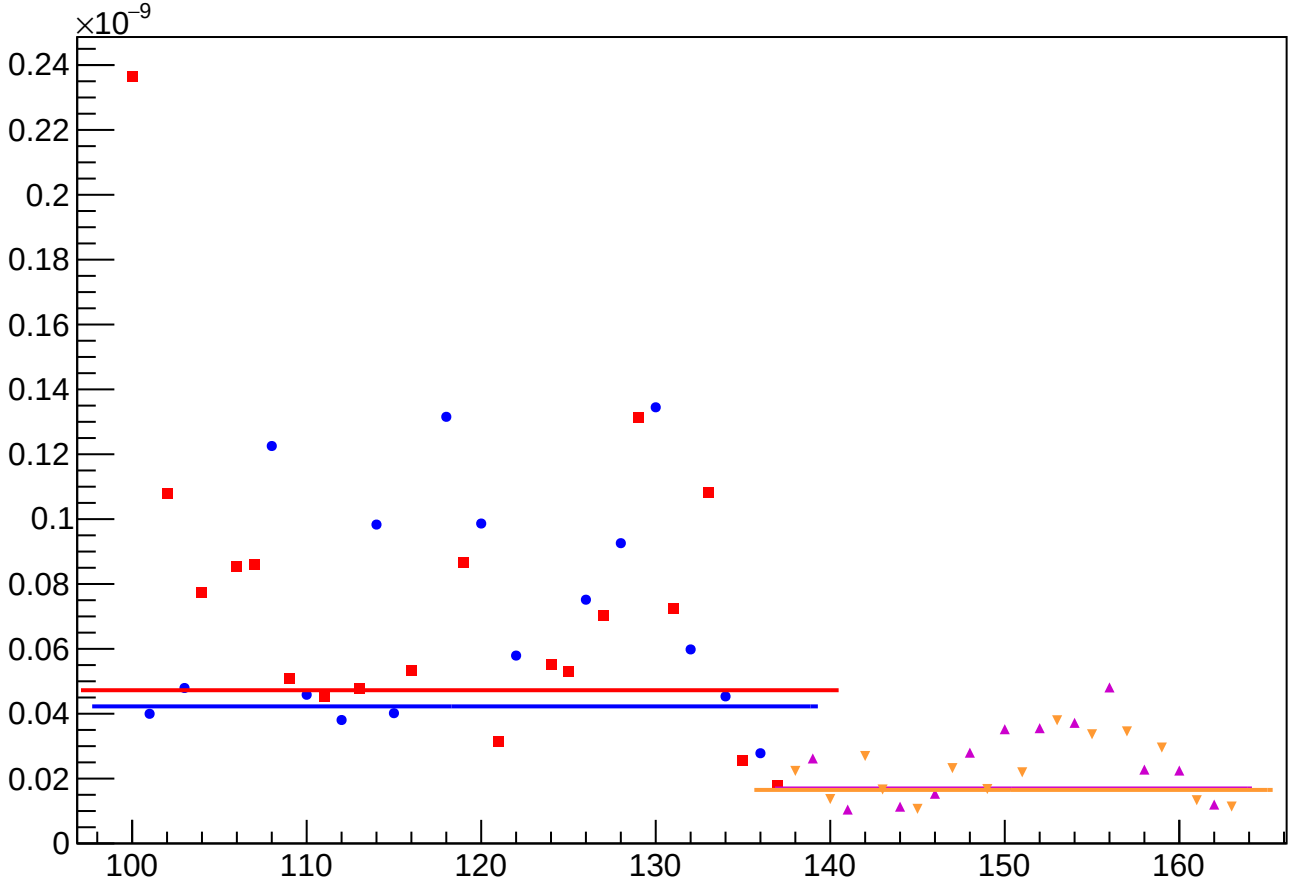
Left In: -0.000+/-0.000 χ^2/NDF:11.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 23.8/29

All: -0.000+/-0.000 χ^2/NDF: 59.7/60

- sign -0.000+/-0.000 χ^2/NDF: 34.8/30

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:1172714.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

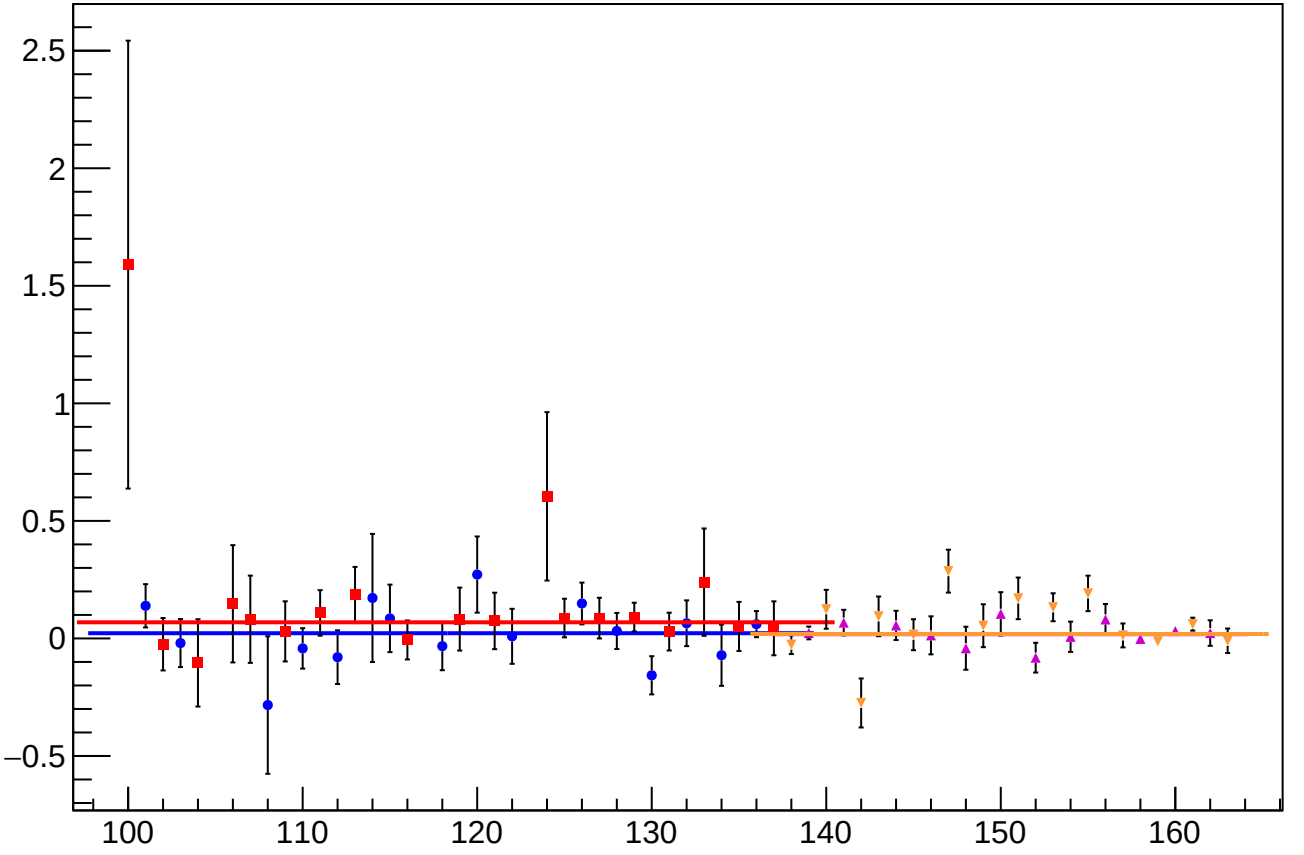
Left In: 0.000+/-0.000 χ^2/NDF:1546558.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 3929853.9/29

All: 0.000+/-0.000 χ^2/NDF: 8708950.2/60

- sign 0.000+/-0.000 χ^2/NDF: 4773905.1/30

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

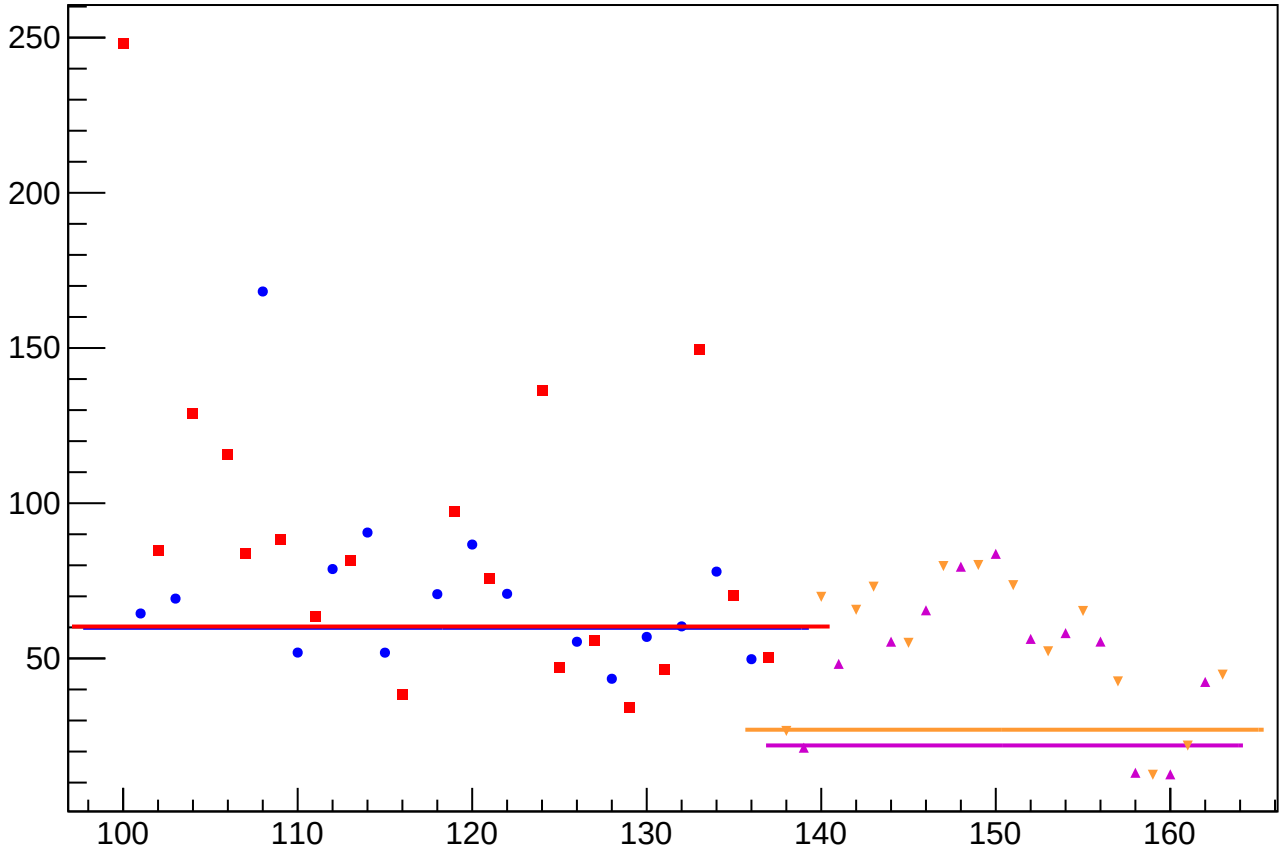
Left In: 0.018+/-0.010 χ^2/NDF:8.2/11

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.022+/-0.007 χ^2/NDF: 75.7/60

- sign 0.024+/-0.009 χ^2/NDF: 21.3/30

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

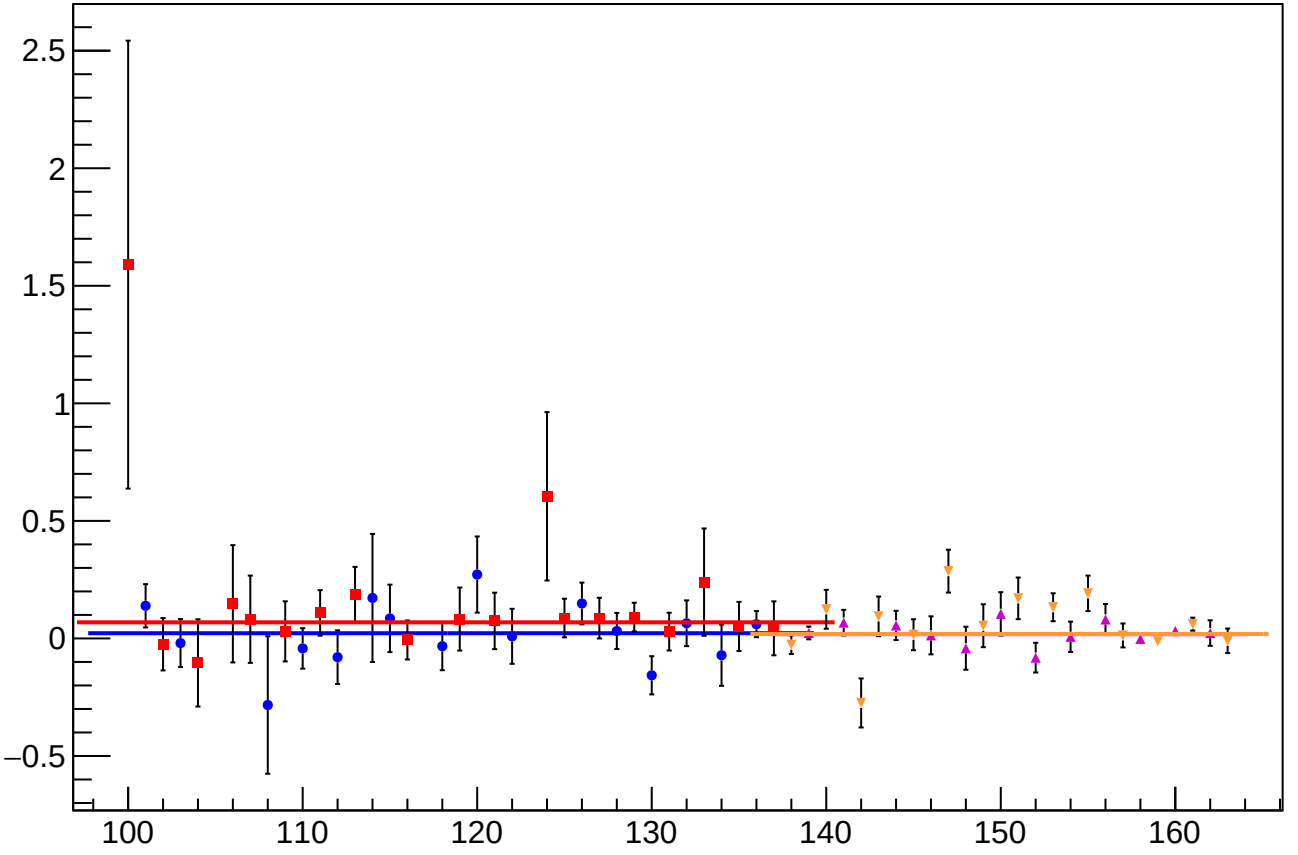
Left In: 21.970+/-0.007 χ^2/NDF:6595881.8/11

+ sign 32.444+/-0.007 χ^2/NDF: 10448862.5/29

All: 29.243+/-0.005 χ^2/NDF: 23411323.2/60

- sign 26.718+/-0.006 χ^2/NDF: 12597199.5/30

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

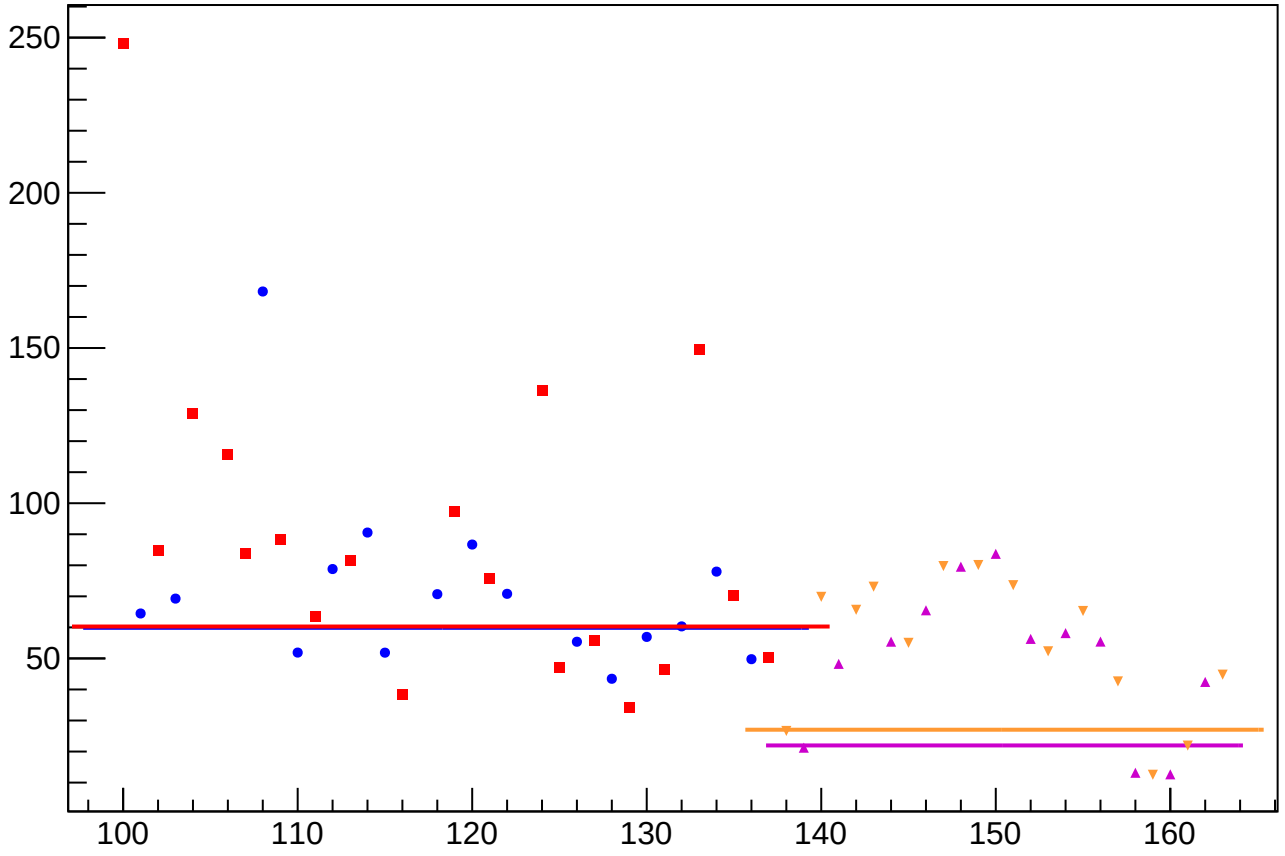
Left In: 0.018+/-0.010 χ^2/NDF:8.2/11

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.022+/-0.007 χ^2/NDF: 75.7/60

- sign 0.024+/-0.009 χ^2/NDF: 21.3/30

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

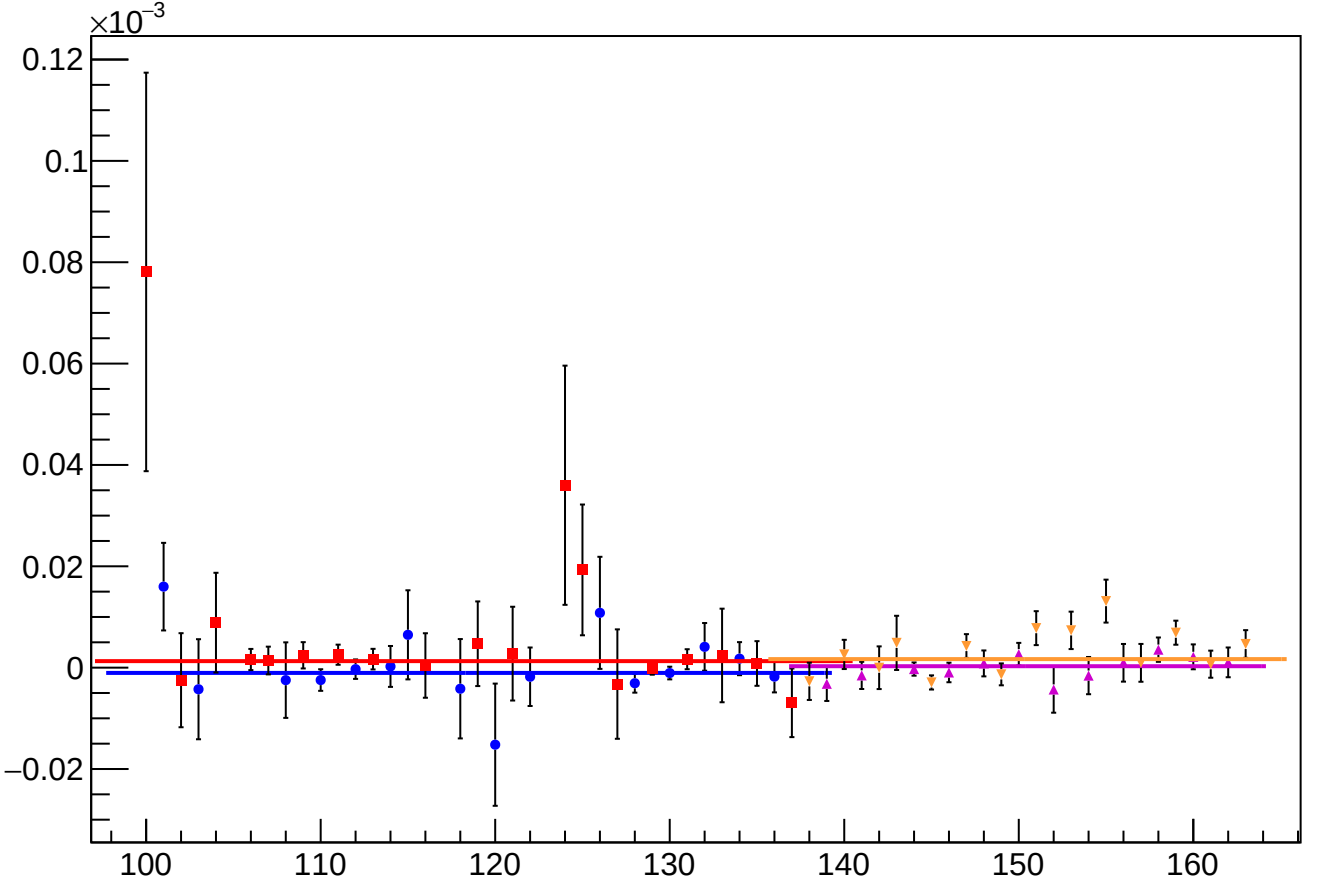
Left In: 21.970+/-0.007 χ^2/NDF:6595881.8/11

+ sign 32.444+/-0.007 χ^2/NDF: 10448862.5/29

All: 29.243+/-0.005 χ^2/NDF: 23411323.2/60

- sign 26.718+/-0.006 χ^2/NDF: 12597199.5/30

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:35.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

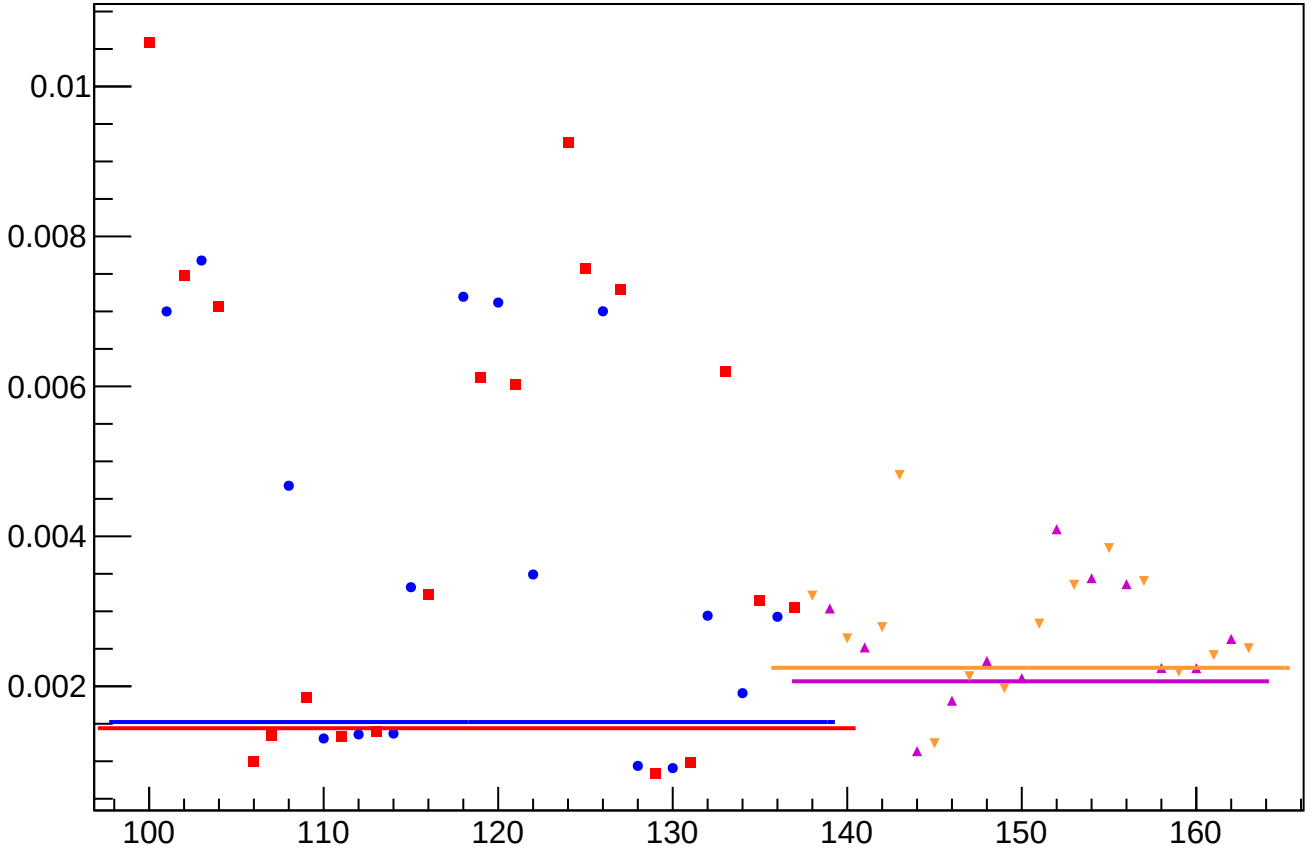
Left In: 0.000+/-0.000 χ^2/NDF:7.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/29

All: 0.000+/-0.000 χ^2/NDF: 74.4/60

- sign 0.000+/-0.000 χ^2/NDF: 20.5/30

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:2486876.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

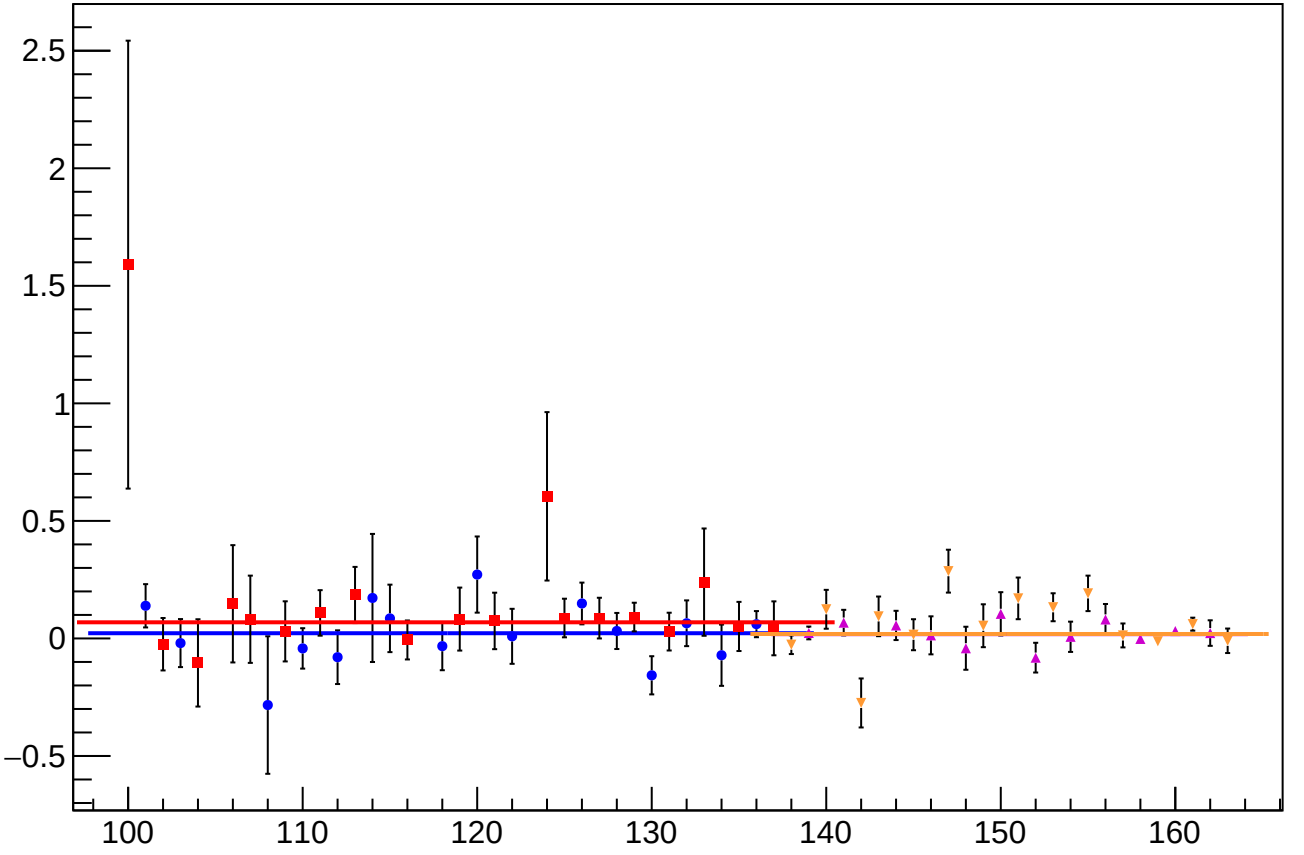
Left In: 0.002+/-0.000 χ^2/NDF:2306692.9/11

+ sign 0.002+/-0.000 χ^2/NDF: 8654899.6/29

All: 0.002+/-0.000 χ^2/NDF: 17634862.3/60

- sign 0.002+/-0.000 χ^2/NDF: 8904897.7/30

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

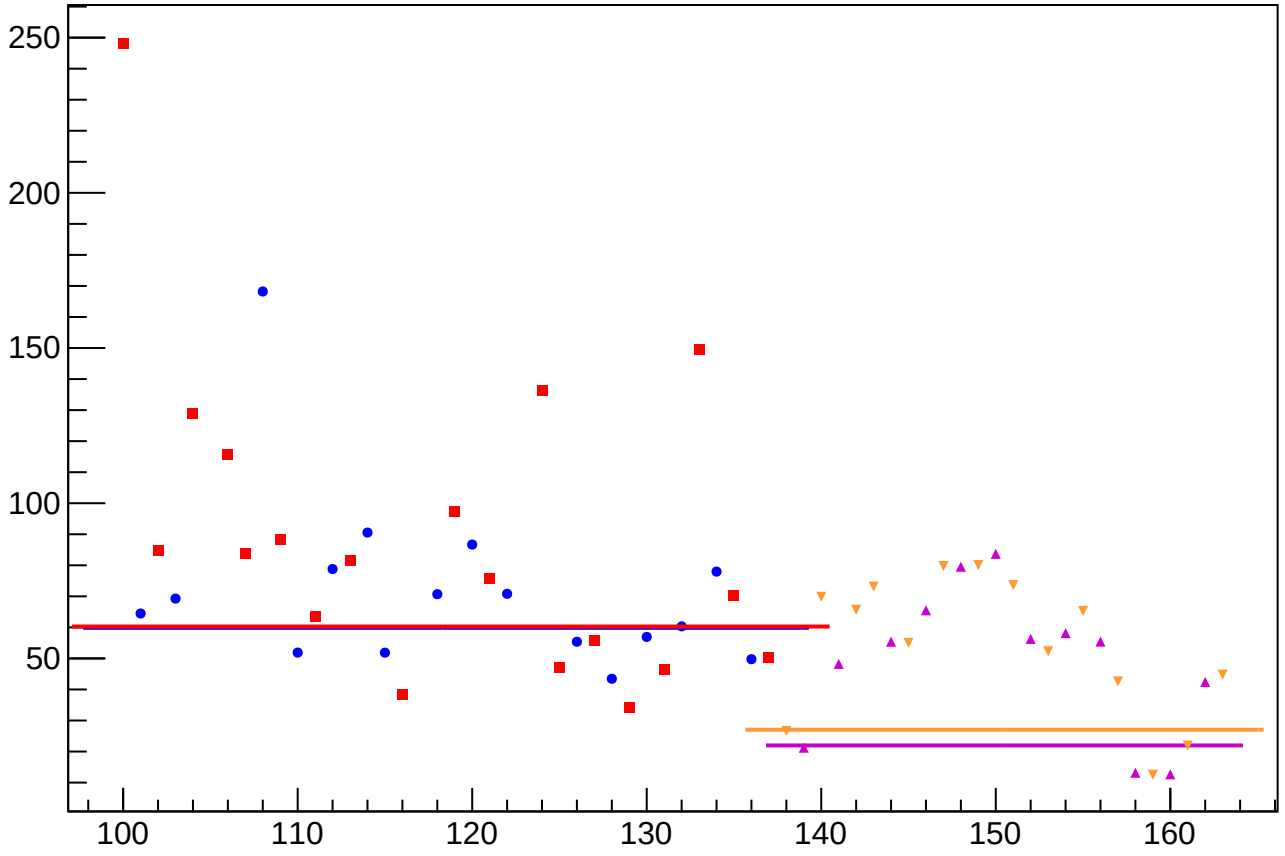
Left In: 0.018+/-0.010 χ^2/NDF:8.2/11

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.022+/-0.007 χ^2/NDF: 75.8/60

- sign 0.024+/-0.009 χ^2/NDF: 21.3/30

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

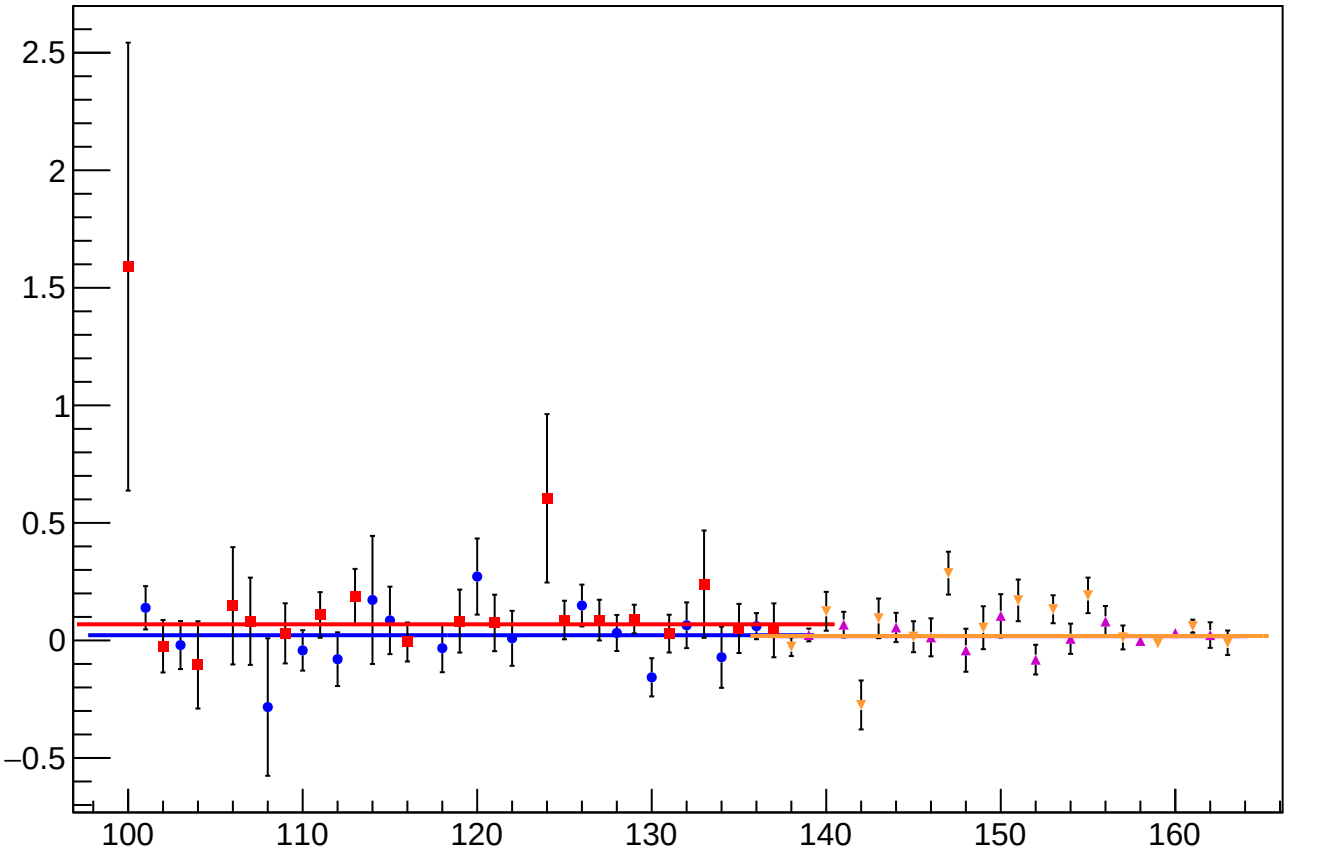
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.969+/-0.007 χ^2/NDF:6596225.6/11

+ sign 32.441+/-0.007 χ^2/NDF: 10450423.2/29

All: 29.242+/-0.005 χ^2/NDF: 23413314.0/60

- sign 26.717+/-0.006 χ^2/NDF: 12597802.7/30



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

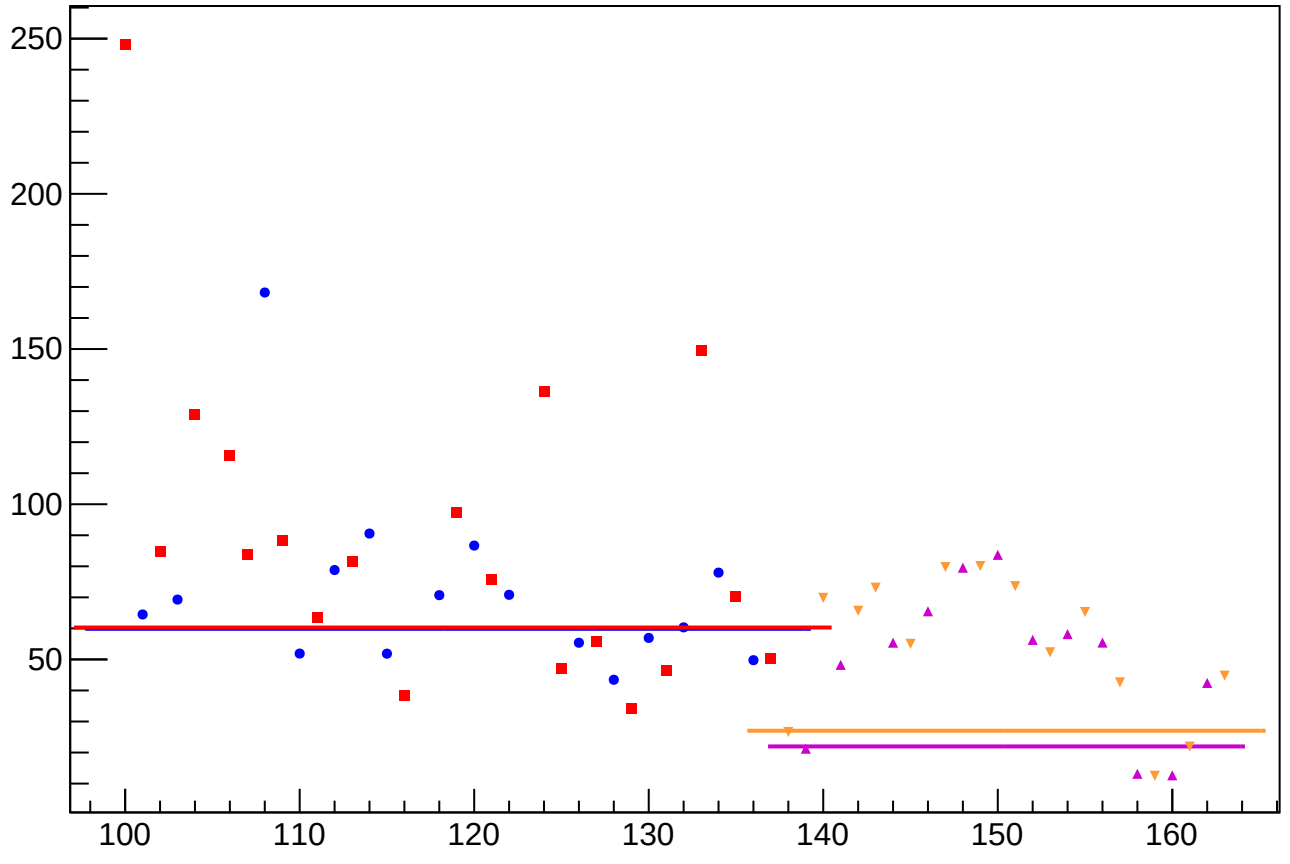
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: 0.018+/-0.010 χ^2/NDF:8.2/11

+ sign 0.019+/-0.010 χ^2/NDF: 54.3/29

All: 0.022+/-0.007 χ^2/NDF: 75.8/60

- sign 0.024+/-0.009 χ^2/NDF: 21.3/30



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

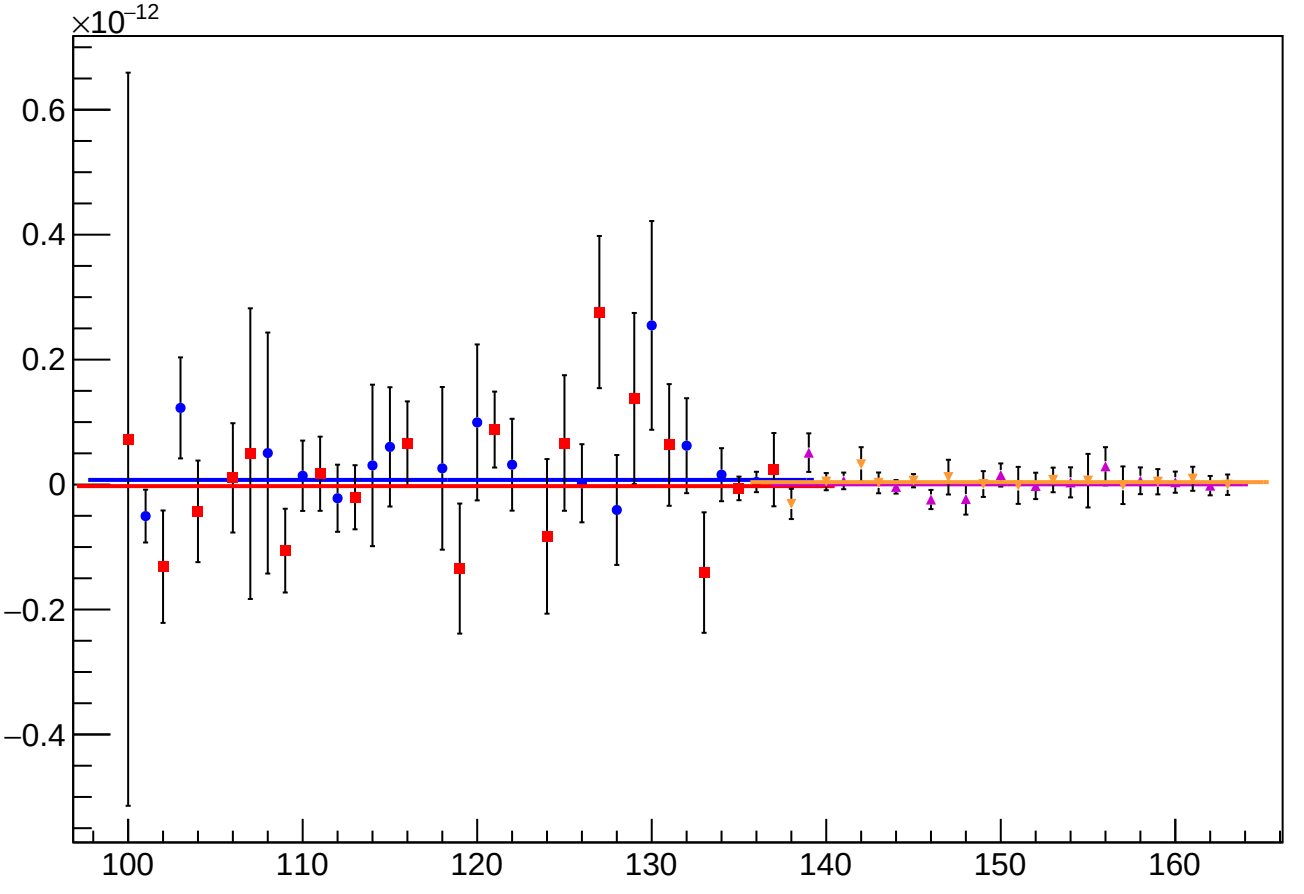
Left In: 21.969+/-0.007 χ^2/NDF:6596225.6/11

+ sign 32.441+/-0.007 χ^2/NDF: 10450423.2/29

All: 29.242+/-0.005 χ^2/NDF: 23413314.0/60

- sign 26.717+/-0.006 χ^2/NDF: 12597802.7/30

asym_sam3_eigen_cor_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:3.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

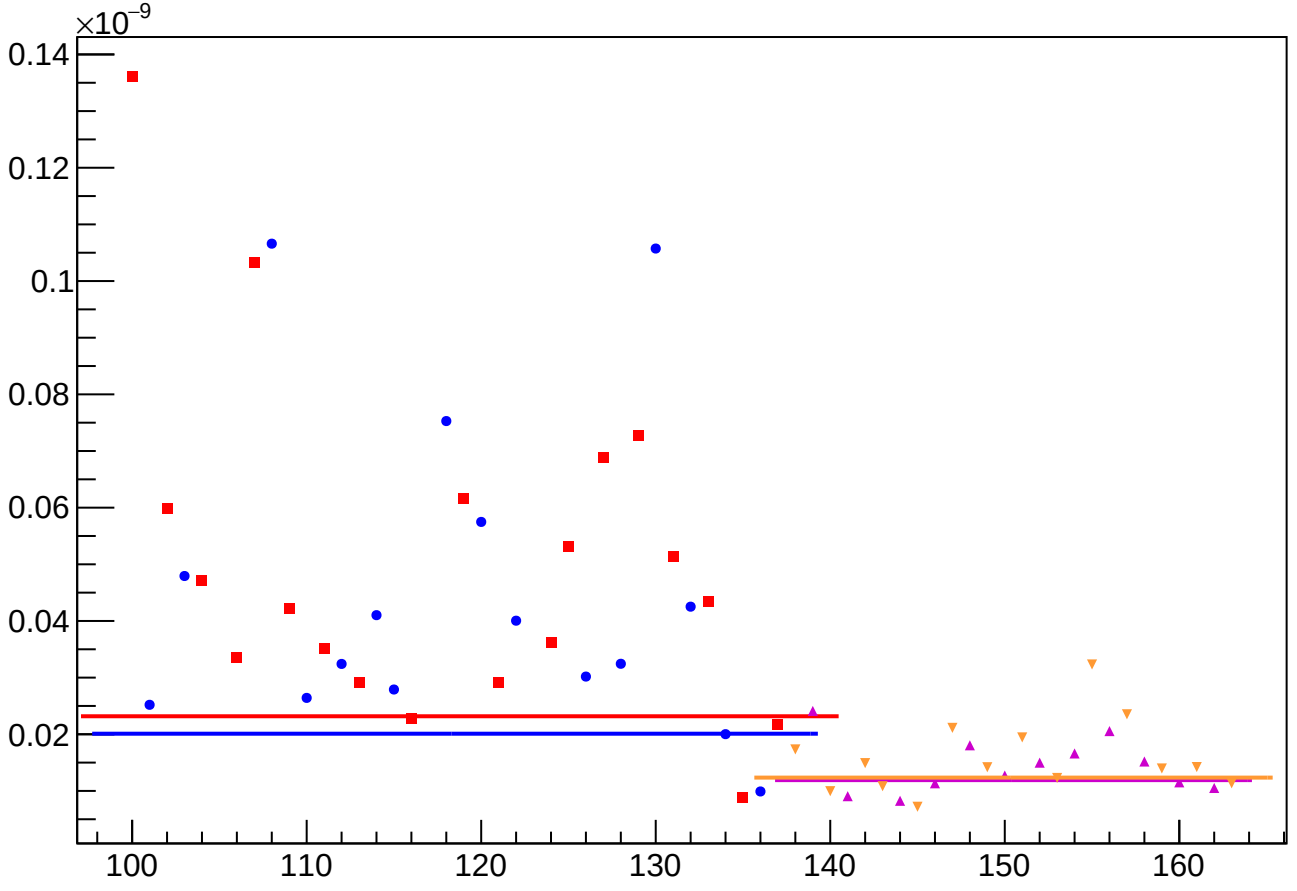
Left In: 0.000+/-0.000 χ^2/NDF:8.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 12.0/29

All: 0.000+/-0.000 χ^2/NDF: 40.3/60

- sign 0.000+/-0.000 χ^2/NDF: 27.8/30

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:1728180.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

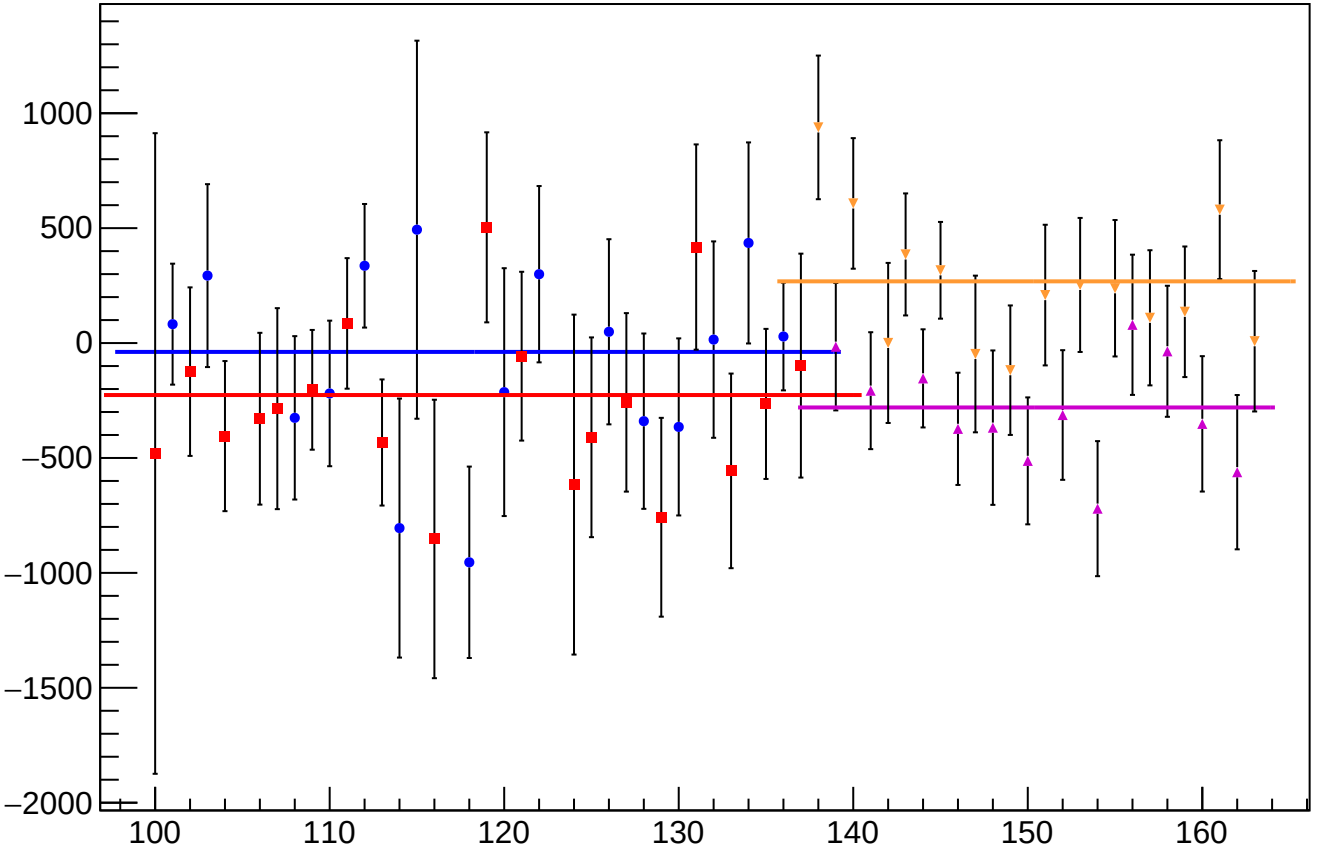
Left In: 0.000+/-0.000 χ^2/NDF:1101898.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 5542309.3/29

All: 0.000+/-0.000 χ^2/NDF: 11394859.4/60

- sign 0.000+/-0.000 χ^2/NDF: 5850609.6/30

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.518+/-77.095 χ^2/NDF:12.0/13

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

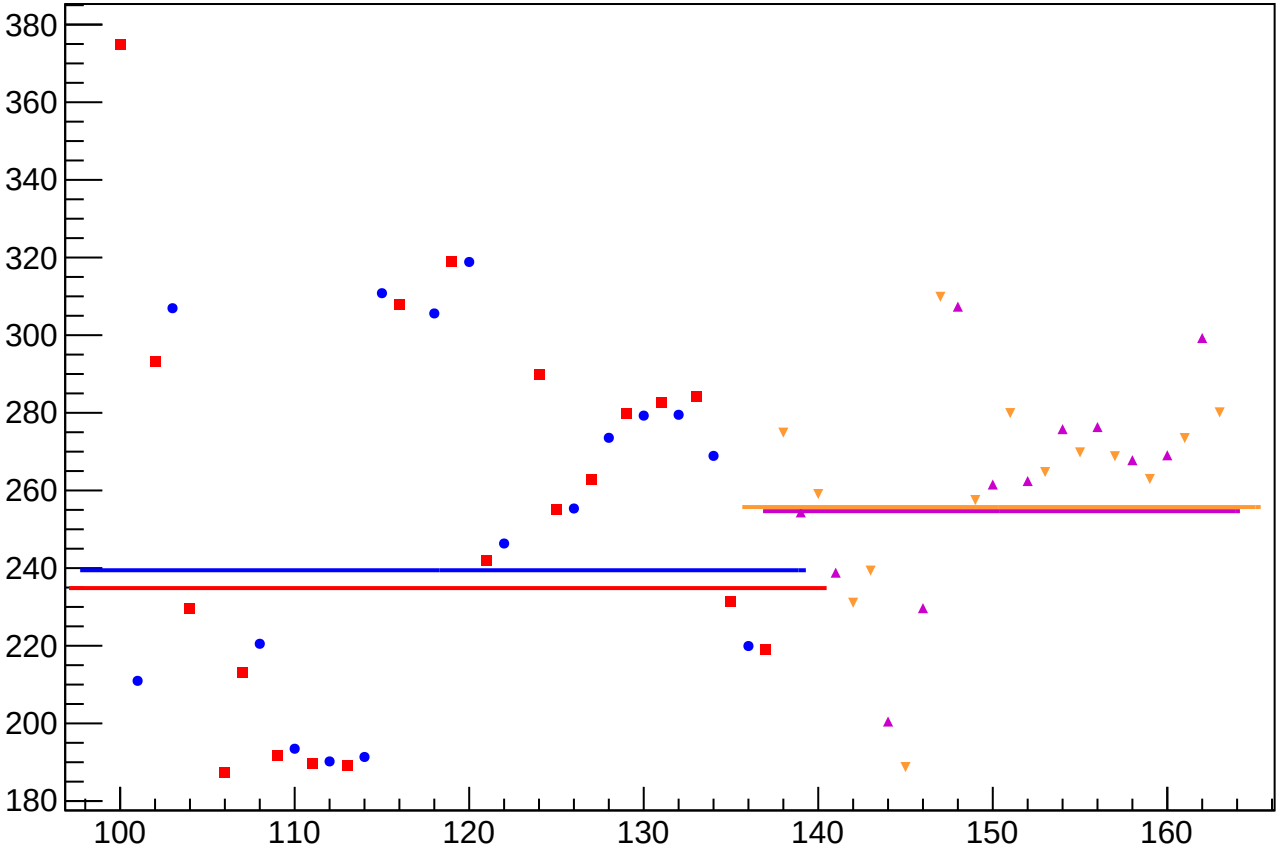
Left In: -280.230+/-79.870 χ^2/NDF:7.4/11

\+ sign 139.607+/-58.719 χ^2/NDF: 33.1/29

All: -56.762+/-41.660 χ^2/NDF: 74.6/60

\- sign -255.783+/-59.115 χ^2/NDF: 19.0/30

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

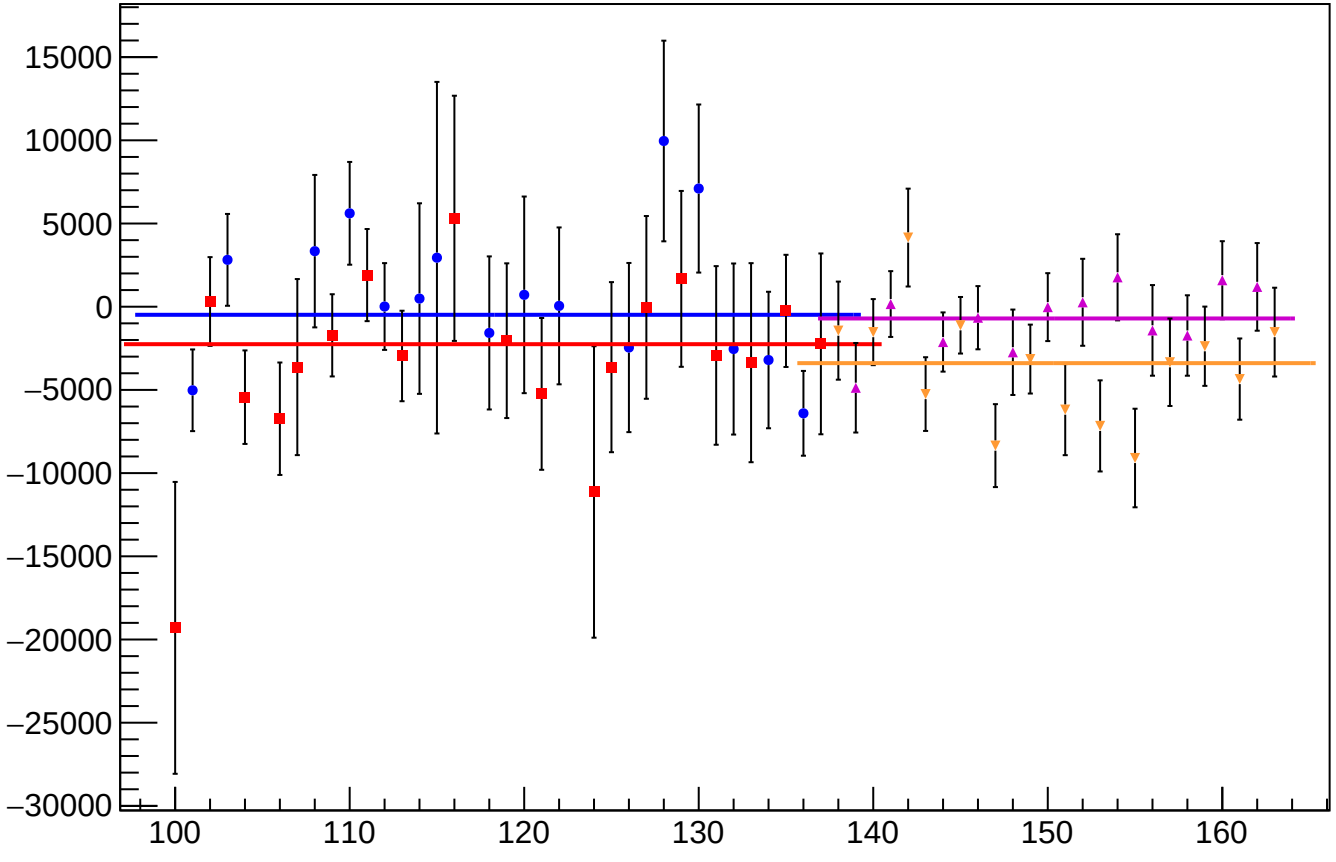
Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

+ sign 248.891+/-0.042 χ^2/NDF: 760709.4/29

All: 247.309+/-0.029 χ^2/NDF: 1575183.5/60

- sign 245.706+/-0.042 χ^2/NDF: 811551.9/30

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3391.209+/-640.320 χ^2/NDF:21.8/13

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

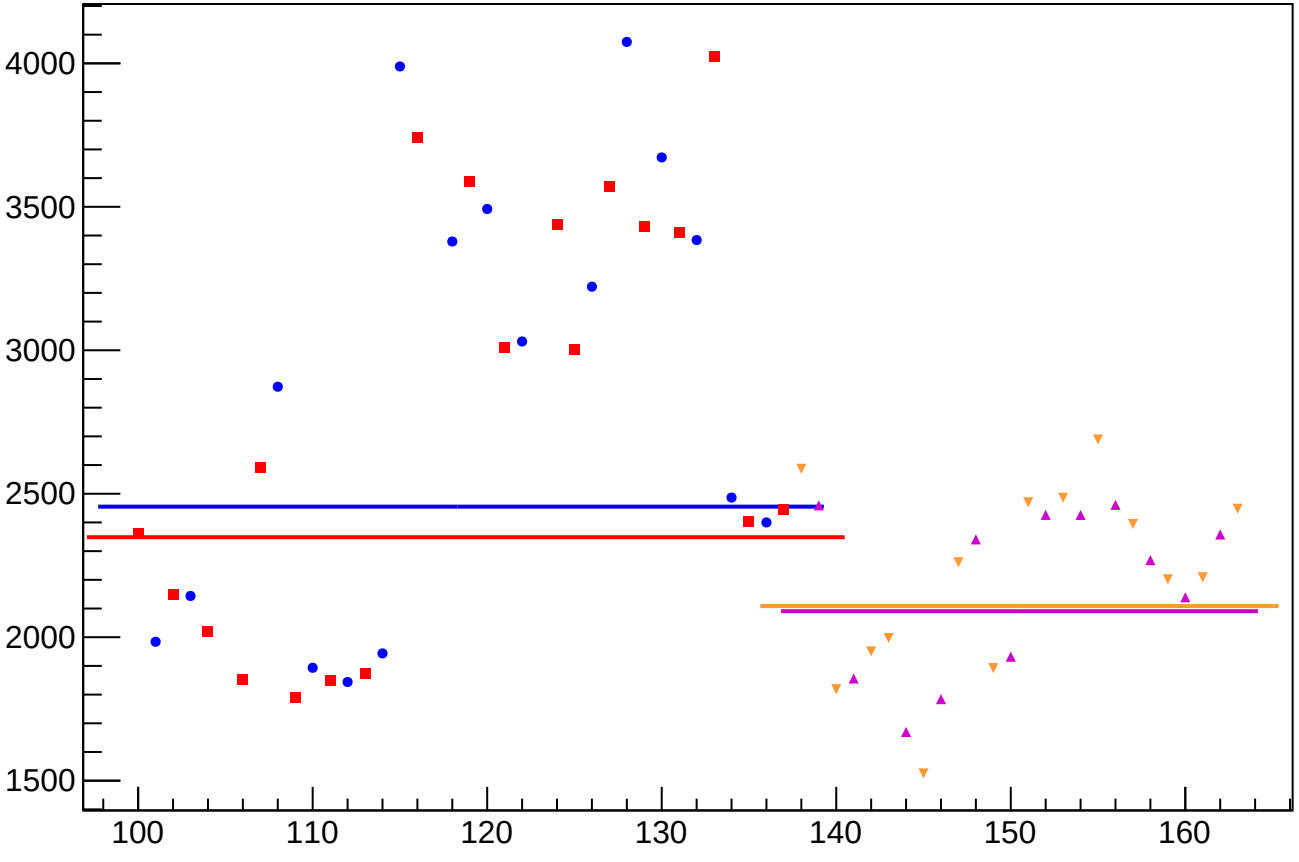
Left In: -706.593+/-658.436 χ^2/NDF:6.7/11

+ sign -2480.295+/-530.524 χ^2/NDF: 49.4/29

All: -1864.723+/-375.022 χ^2/NDF: 74.7/60

- sign -1249.906+/-530.199 χ^2/NDF: 22.6/30

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2108.497+/-0.453 χ^2/NDF:583290.0/13

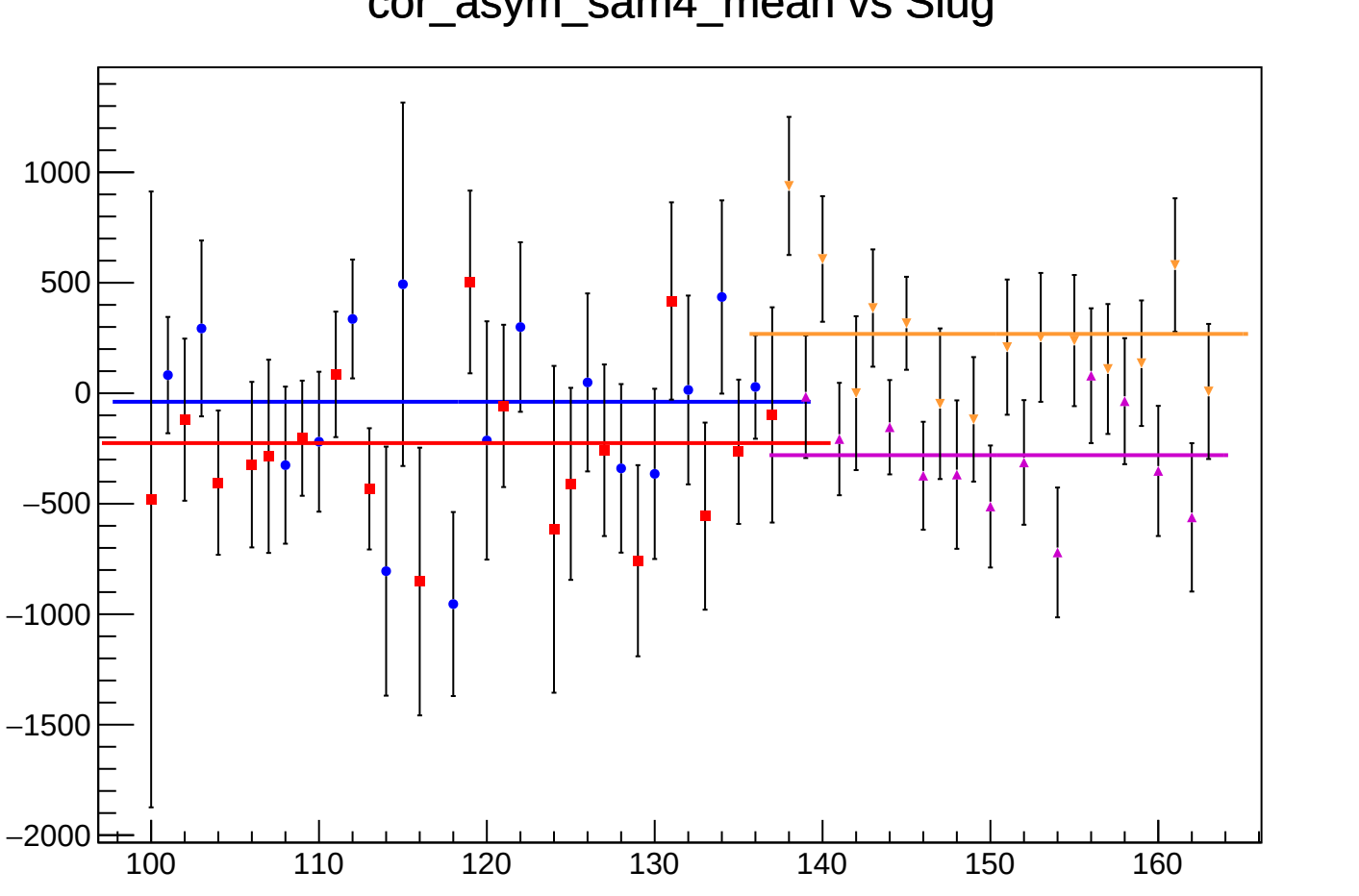
Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2090.710+/-0.466 χ^2/NDF:396707.6/11

+ sign 2217.171+/-0.375 χ^2/NDF: 1661417.3/29

All: 2199.238+/-0.265 χ^2/NDF: 3222857.4/60

- sign 2181.327+/-0.375 χ^2/NDF: 1556872.5/30



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

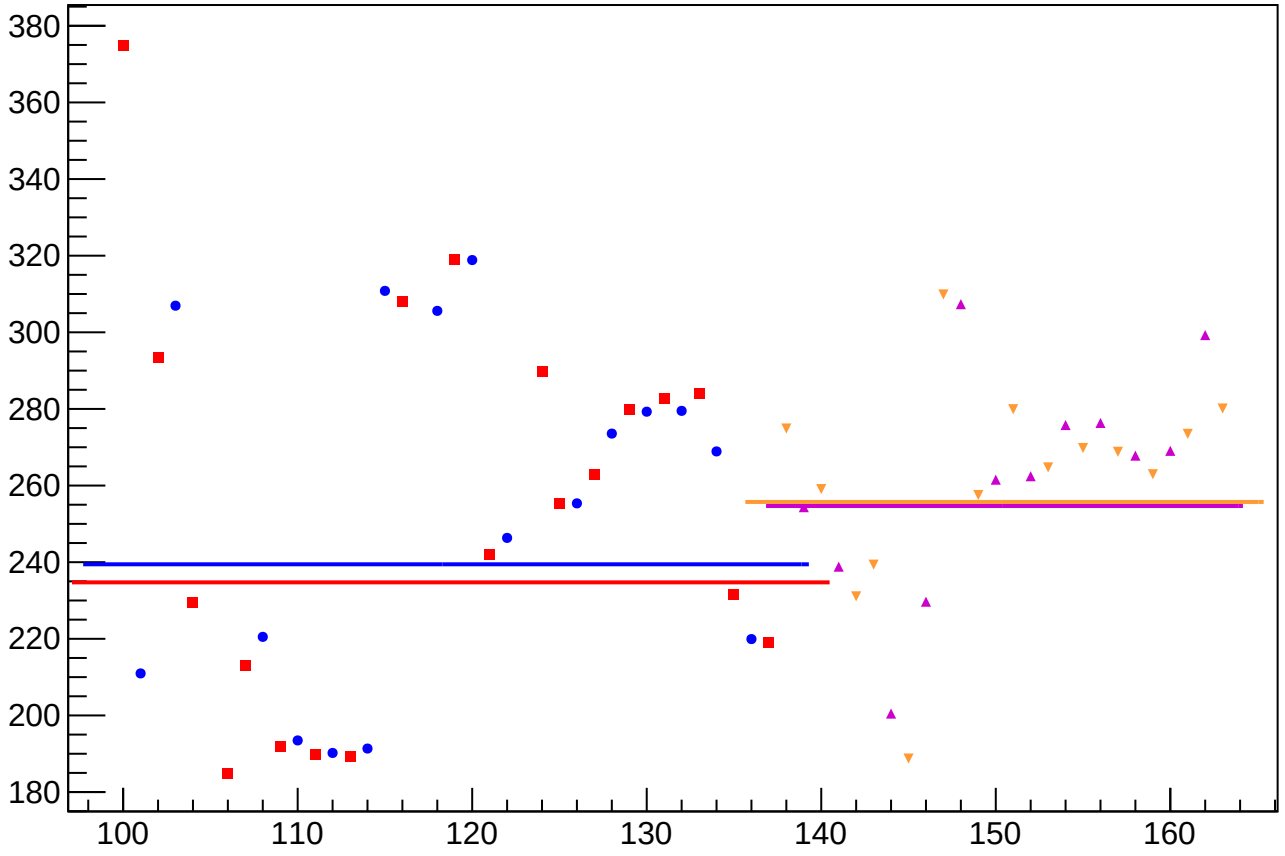
Left In: -280.234+/-79.870 χ^2/NDF:7.4/11

+ sign 139.603+/-58.719 χ^2/NDF: 33.1/29

All: -56.607+/-41.661 χ^2/NDF: 74.6/60

- sign -255.494+/-59.119 χ^2/NDF: 19.0/30

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

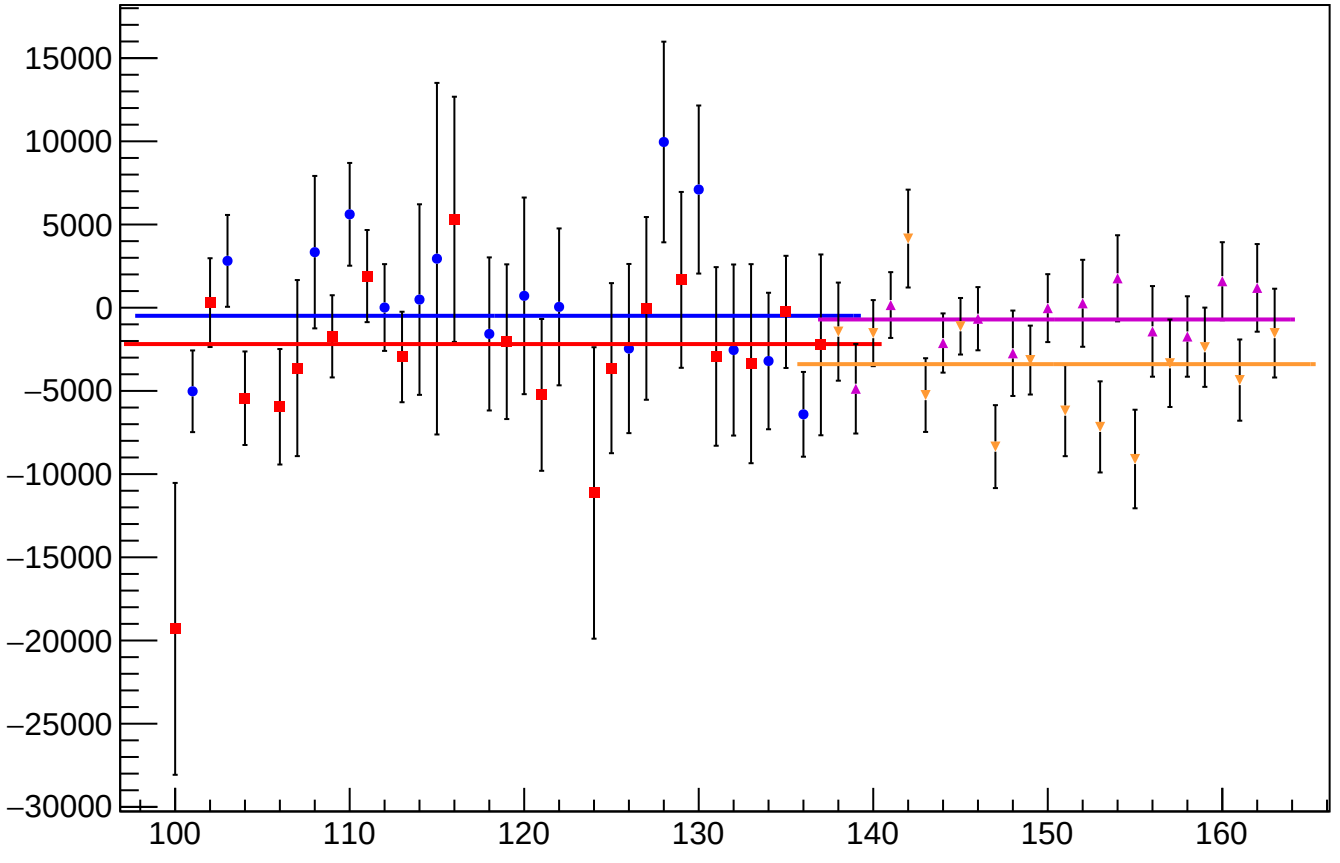
Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

+ sign 248.891+/-0.042 χ^2/NDF: 760711.6/29

All: 247.283+/-0.029 χ^2/NDF: 1579483.7/60

- sign 245.653+/-0.042 χ^2/NDF: 815751.2/30

asym_sam4_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

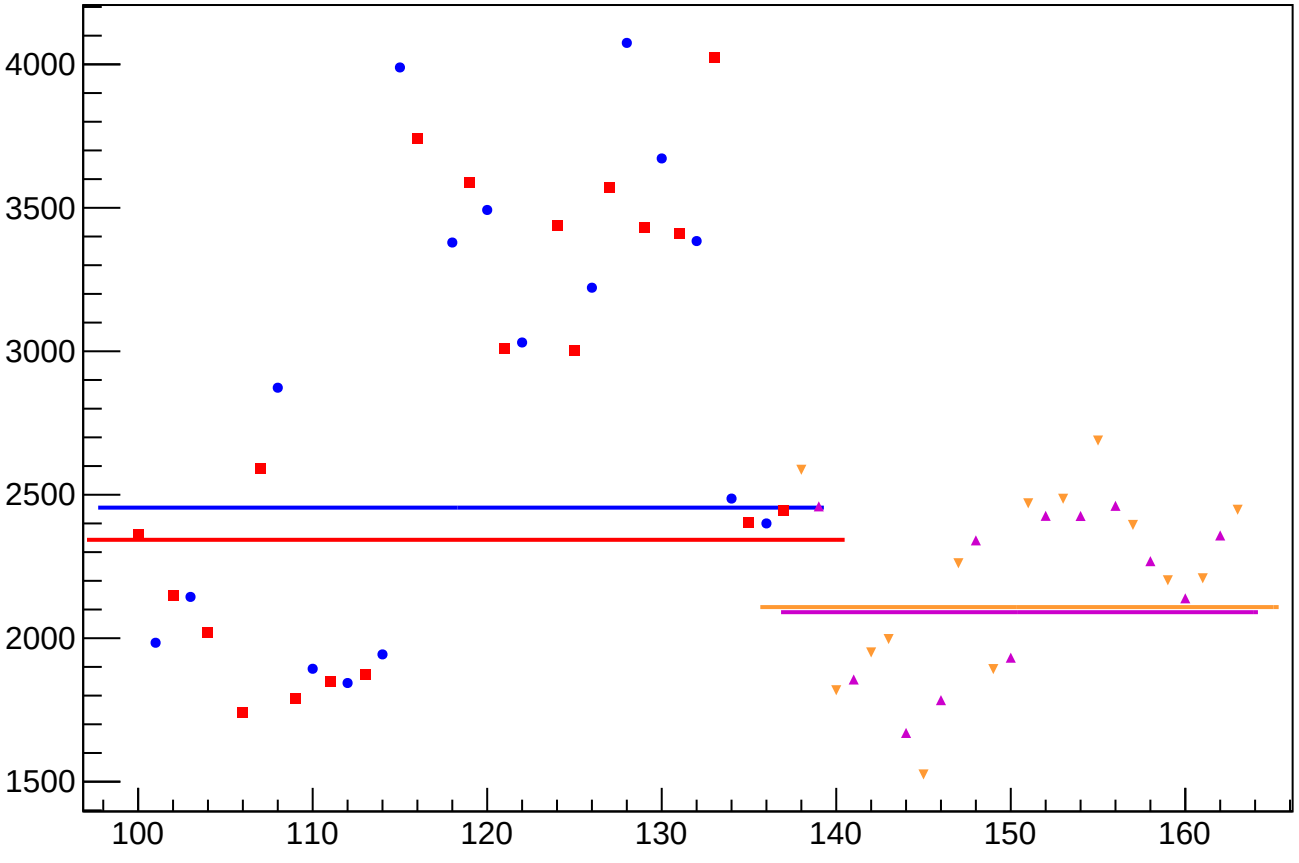
Left In: -706.604+/-658.436 χ^2/NDF:6.7/11

+ sign -2480.352+/-530.526 χ^2/NDF: 49.4/29

All: -1852.737+/-375.147 χ^2/NDF: 74.0/60

- sign -1225.062+/-530.551 χ^2/NDF: 21.8/30

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

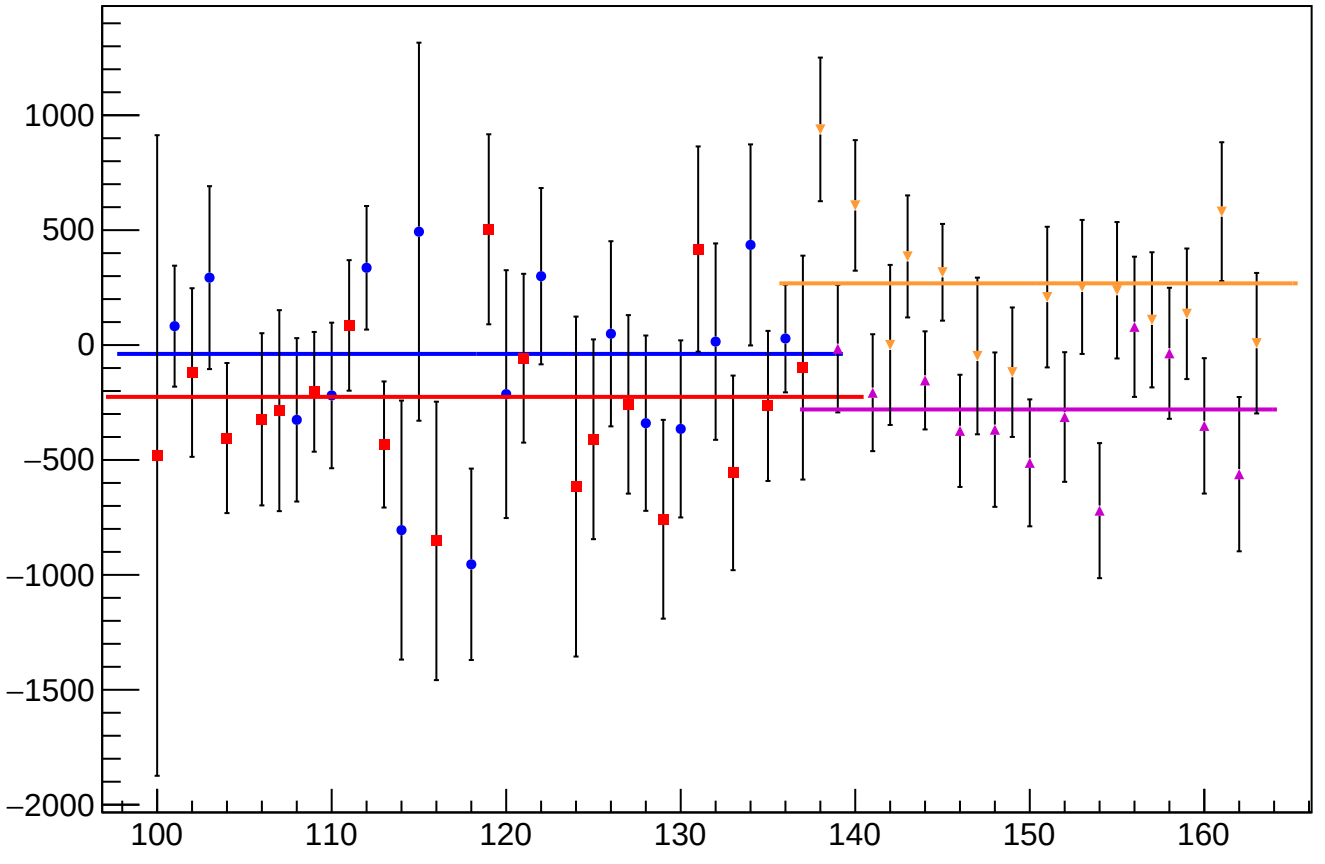
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2090.710+/-0.466 χ^2/NDF:396705.3/11

+ sign 2217.177+/-0.375 χ^2/NDF: 1661412.1/29

All: 2198.179+/-0.265 χ^2/NDF: 3236582.7/60

- sign 2179.180+/-0.375 χ^2/NDF: 1570041.2/30



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

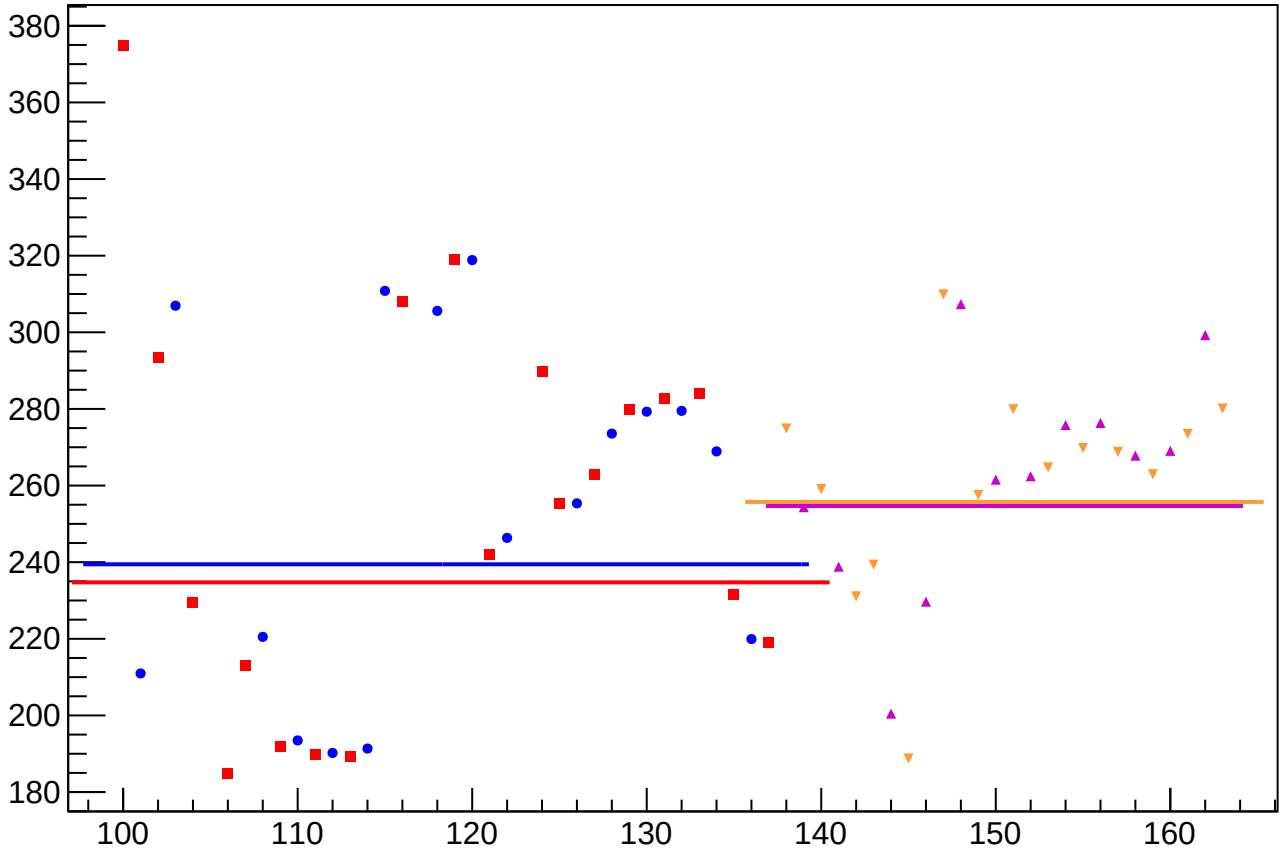
Left In: -280.234+/-79.870 χ^2/NDF:7.4/11

+ sign 139.603+/-58.719 χ^2/NDF: 33.1/29

All: -56.607+/-41.661 χ^2/NDF: 74.6/60

- sign -255.494+/-59.119 χ^2/NDF: 19.0/30

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

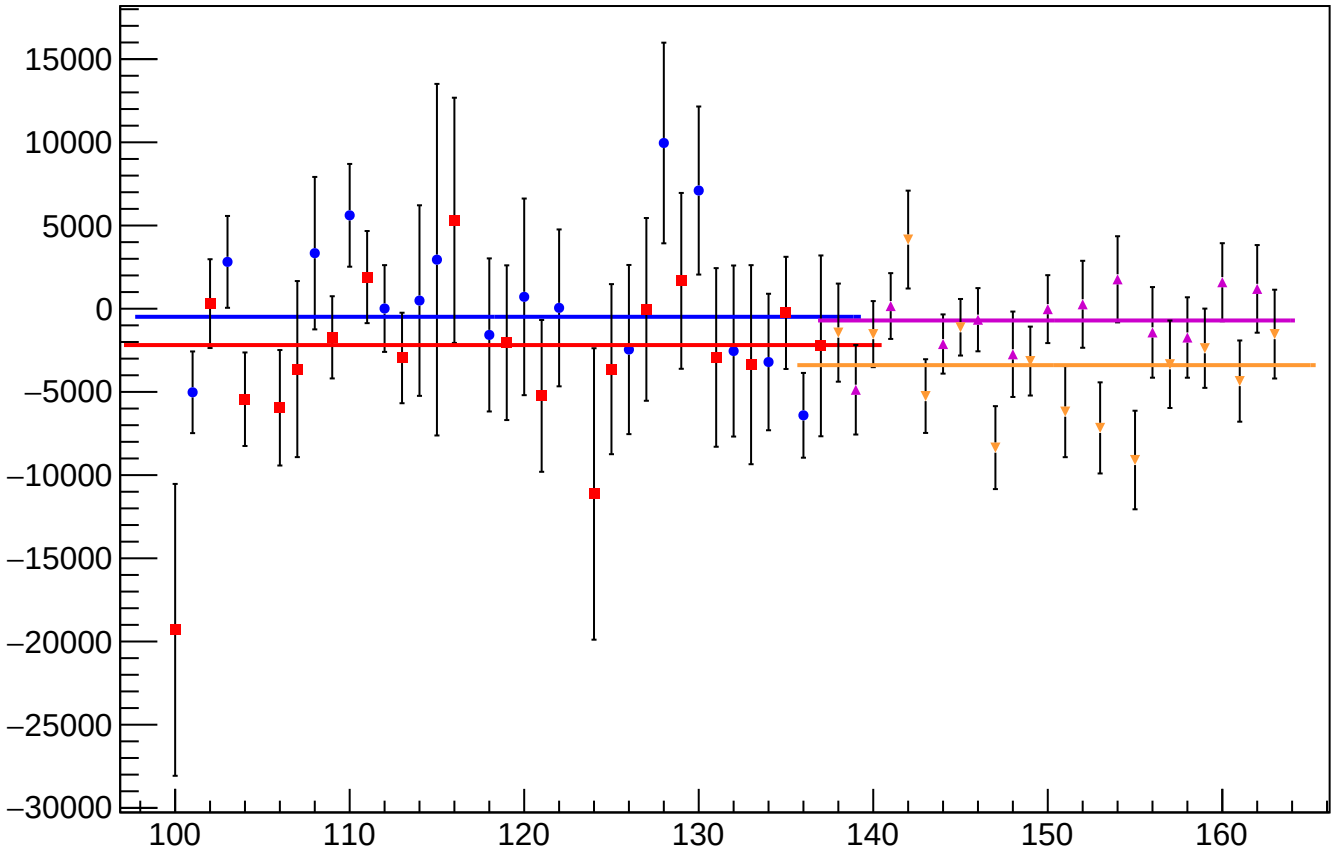
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

+ sign 248.891+/-0.042 χ^2/NDF: 760711.6/29

All: 247.283+/-0.029 χ^2/NDF: 1579483.7/60

- sign 245.653+/-0.042 χ^2/NDF: 815751.2/30



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

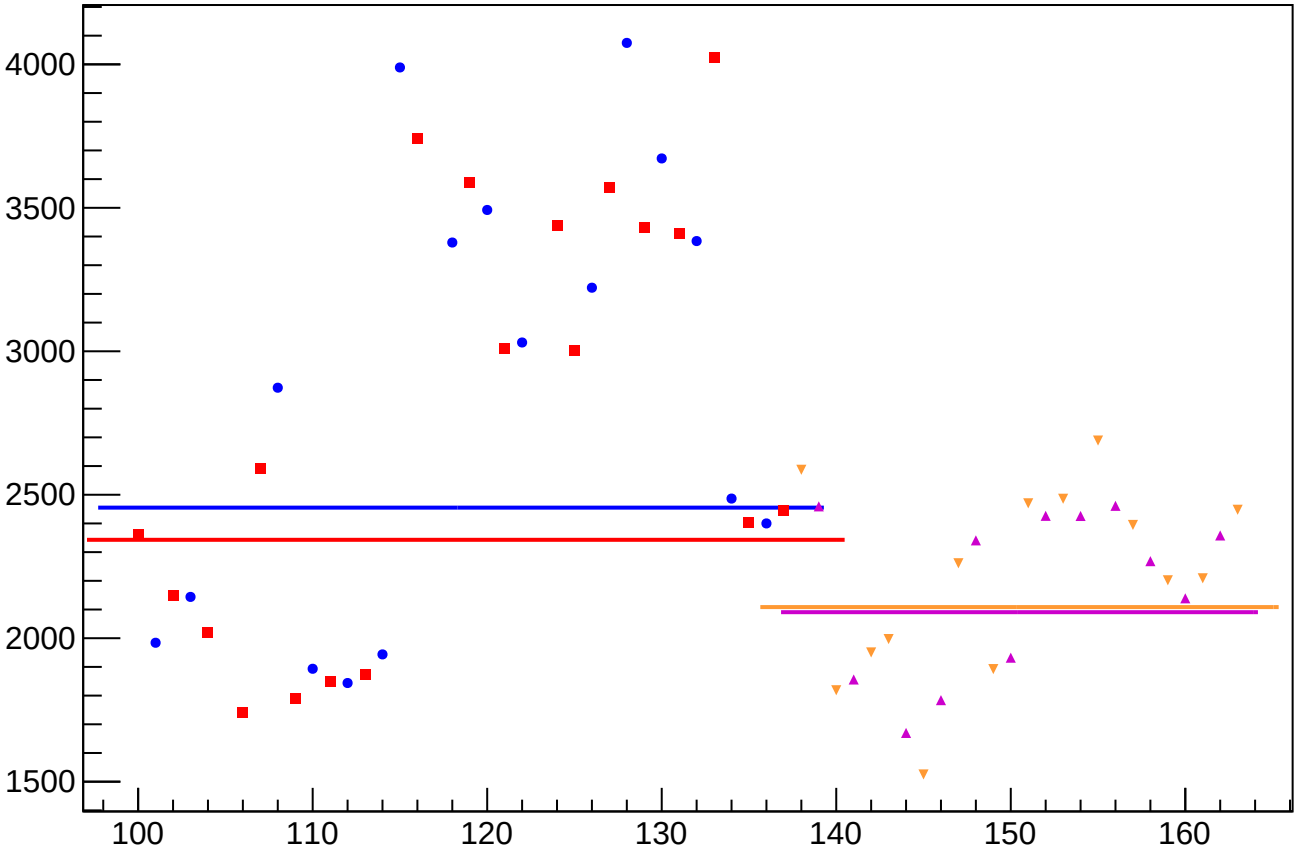
Left In: -706.604+/-658.436 χ^2/NDF:6.7/11

+ sign -2480.352+/-530.526 χ^2/NDF: 49.4/29

All: -1852.737+/-375.147 χ^2/NDF: 74.0/60

- sign -1225.062+/-530.551 χ^2/NDF: 21.8/30

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

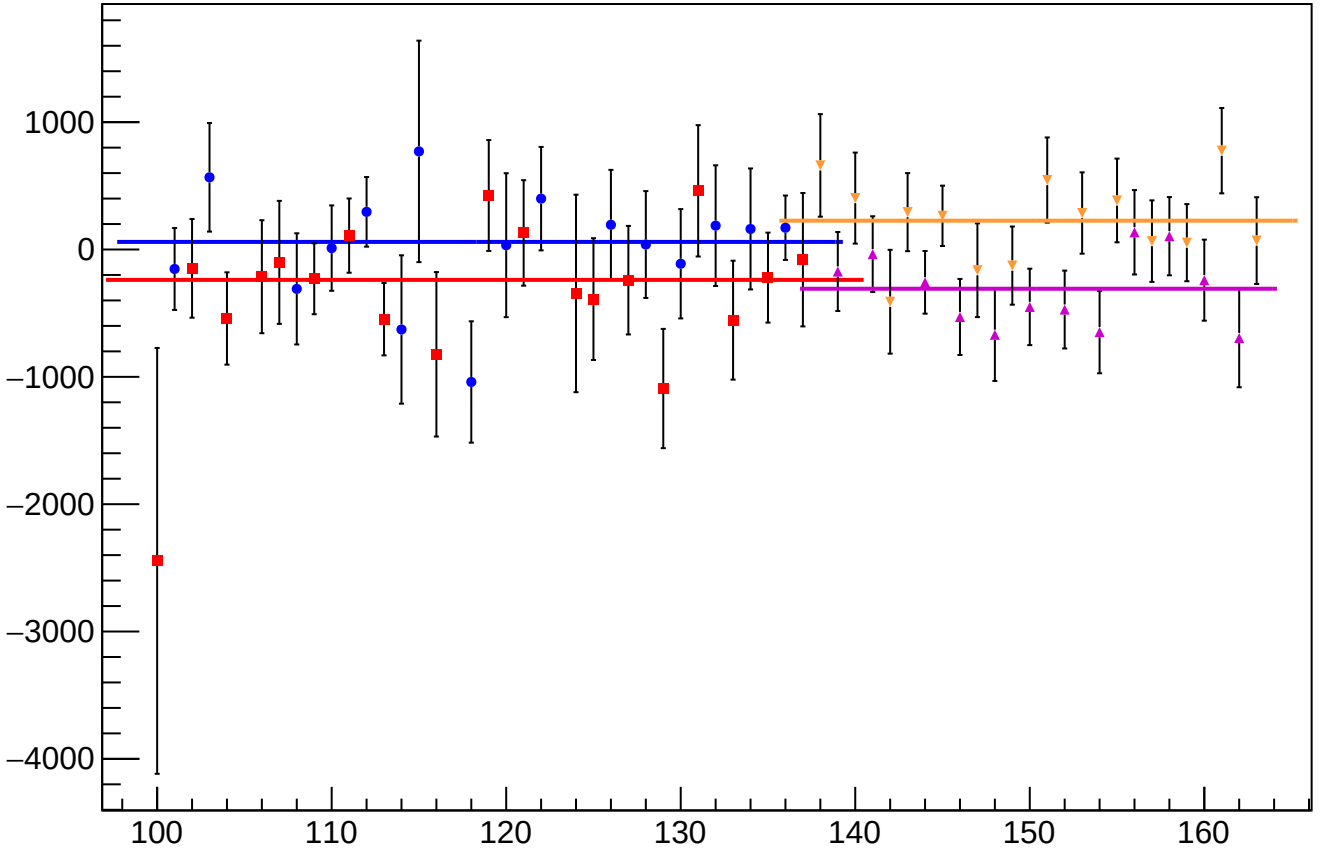
Left In: 2090.710+/-0.466 χ^2/NDF:396705.3/11

+ sign 2217.177+/-0.375 χ^2/NDF: 1661412.1/29

All: 2198.179+/-0.265 χ^2/NDF: 3236582.7/60

- sign 2179.180+/-0.375 χ^2/NDF: 1570041.2/30

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.467+/-86.834 χ^2/NDF:11.0/13

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

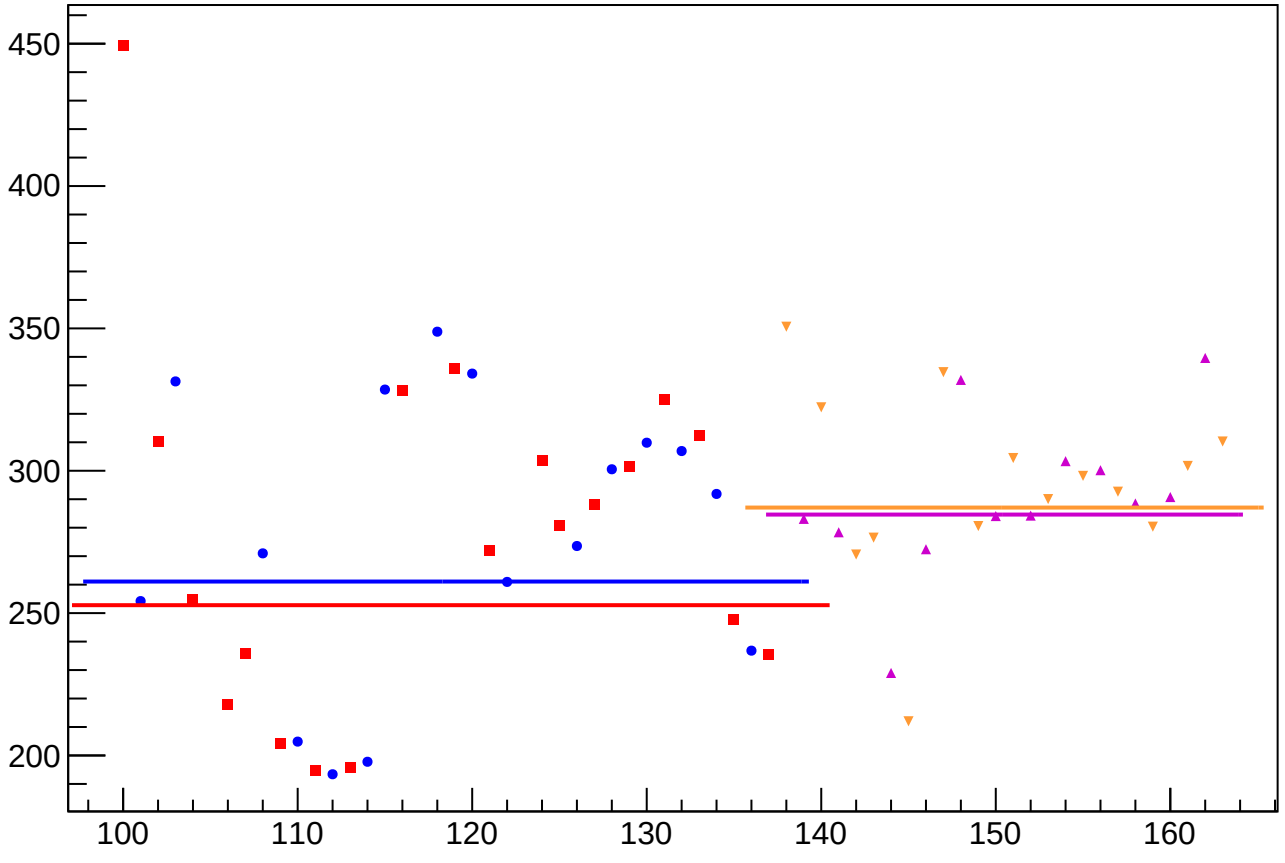
Left In: -308.153+/-89.569 χ^2/NDF:8.9/11

+ sign 154.156+/-65.347 χ^2/NDF: 24.6/29

All: -61.138+/-46.152 χ^2/NDF: 70.4/60

- sign -275.405+/-65.190 χ^2/NDF: 24.1/30

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 287.073+/-0.061 χ^2/NDF:332363.3/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

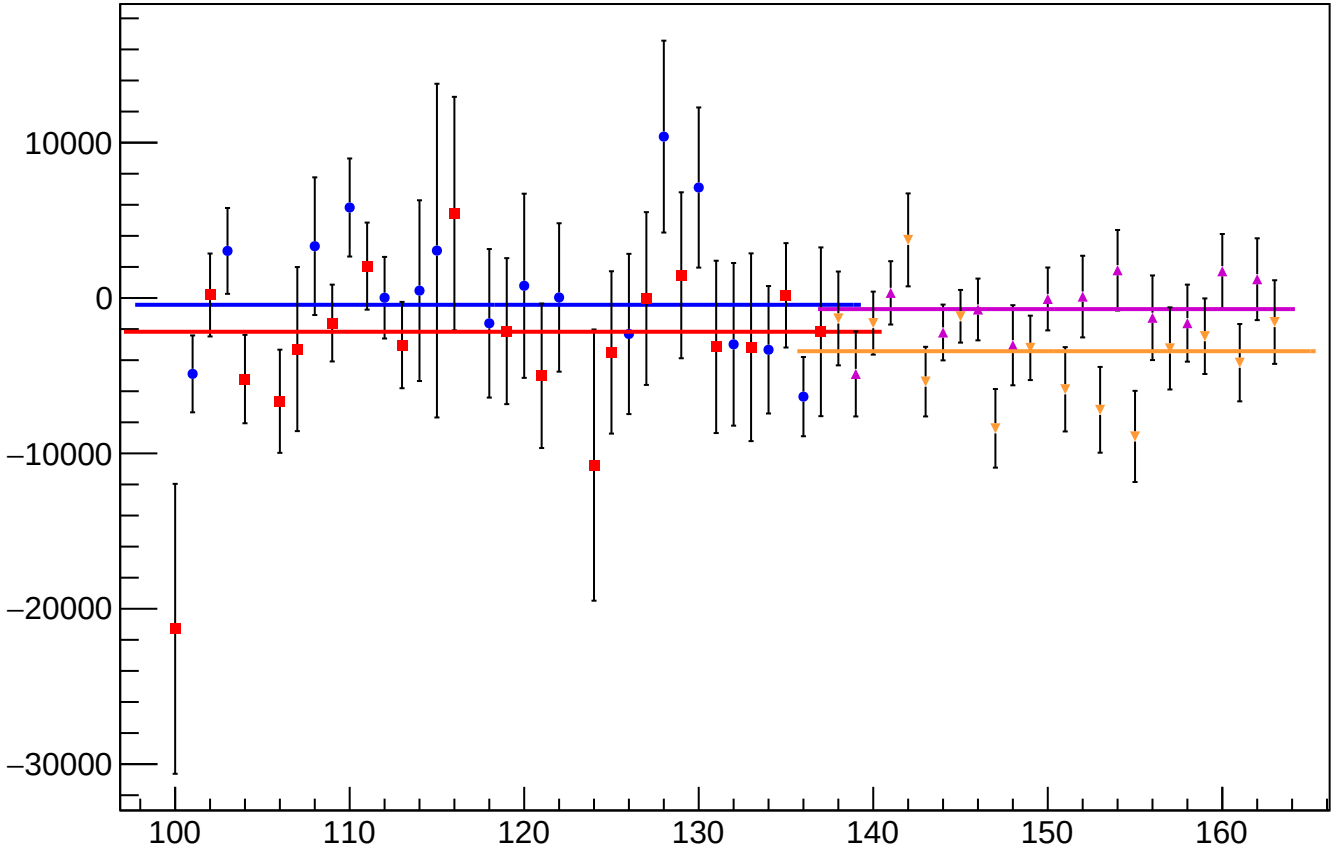
Left In: 284.610+/-0.063 χ^2/NDF:193052.1/11

+ sign 275.804+/-0.046 χ^2/NDF: 872692.1/29

All: 272.717+/-0.033 χ^2/NDF: 1730668.5/60

- sign 269.645+/-0.046 χ^2/NDF: 849069.4/30

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3421.984+/-646.075 χ^2/NDF:20.3/13

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

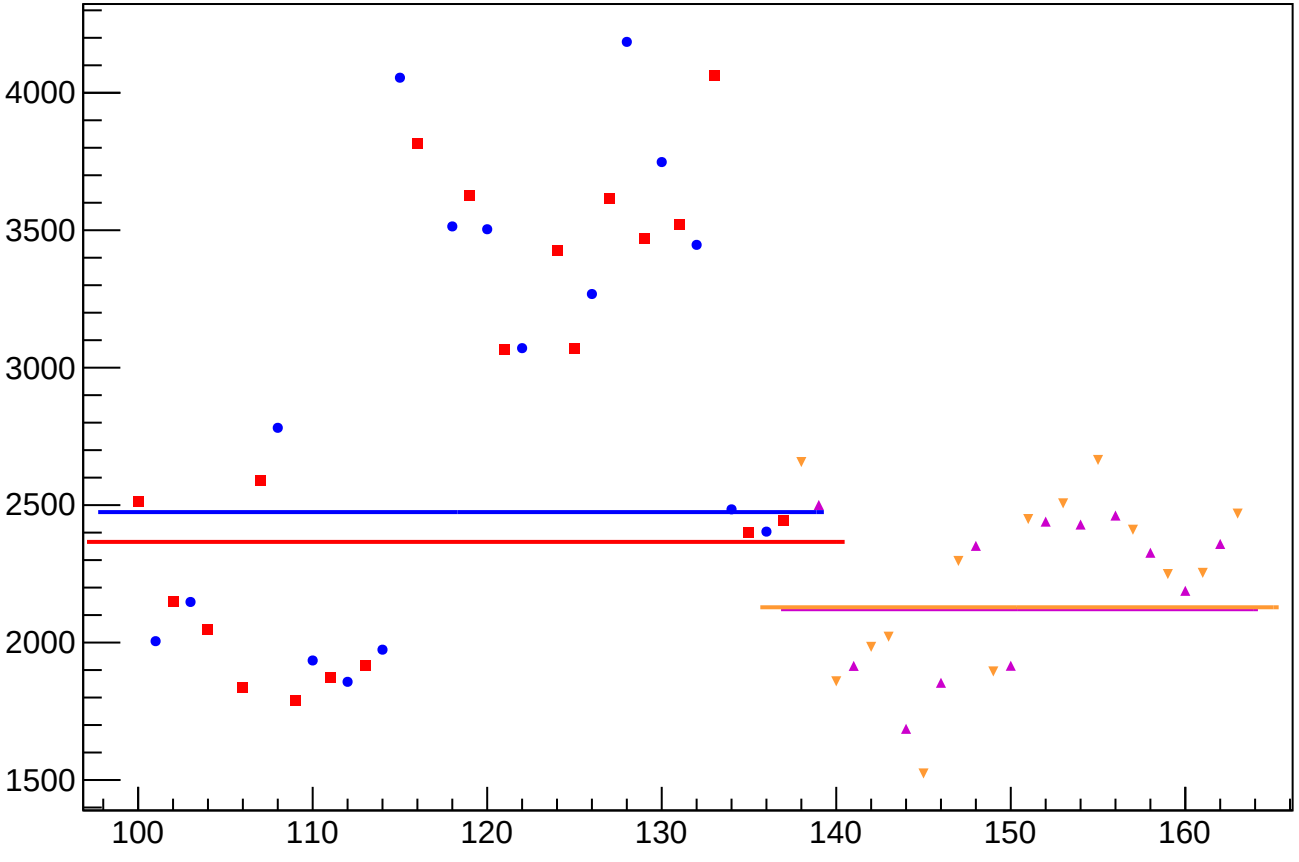
Left In: -713.806+/-667.847 χ^2/NDF:7.0/11

+ sign -2484.864+/-535.145 χ^2/NDF: 48.2/29

All: -1859.493+/-378.900 χ^2/NDF: 73.6/60

- sign -1230.834+/-536.550 χ^2/NDF: 22.7/30

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2128.370+/-0.457 χ^2/NDF:591414.6/13

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

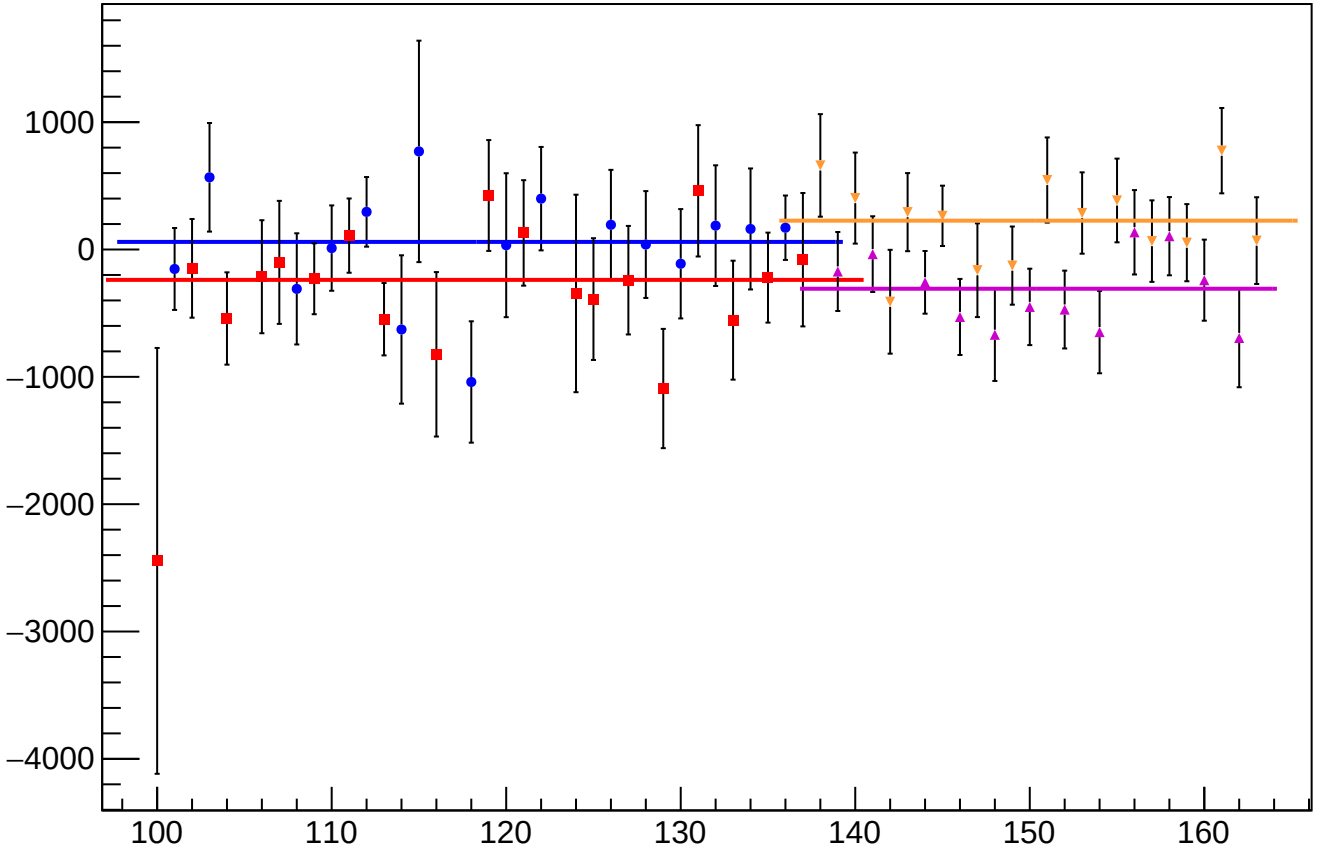
Left In: 2121.337+/-0.472 χ^2/NDF:369885.2/11

+ sign 2237.064+/-0.378 χ^2/NDF: 1687993.8/29

All: 2222.650+/-0.268 χ^2/NDF: 3233303.0/60

- sign 2208.159+/-0.379 χ^2/NDF: 1542399.5/30

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.471+/-86.834 χ^2/NDF:11.0/13

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

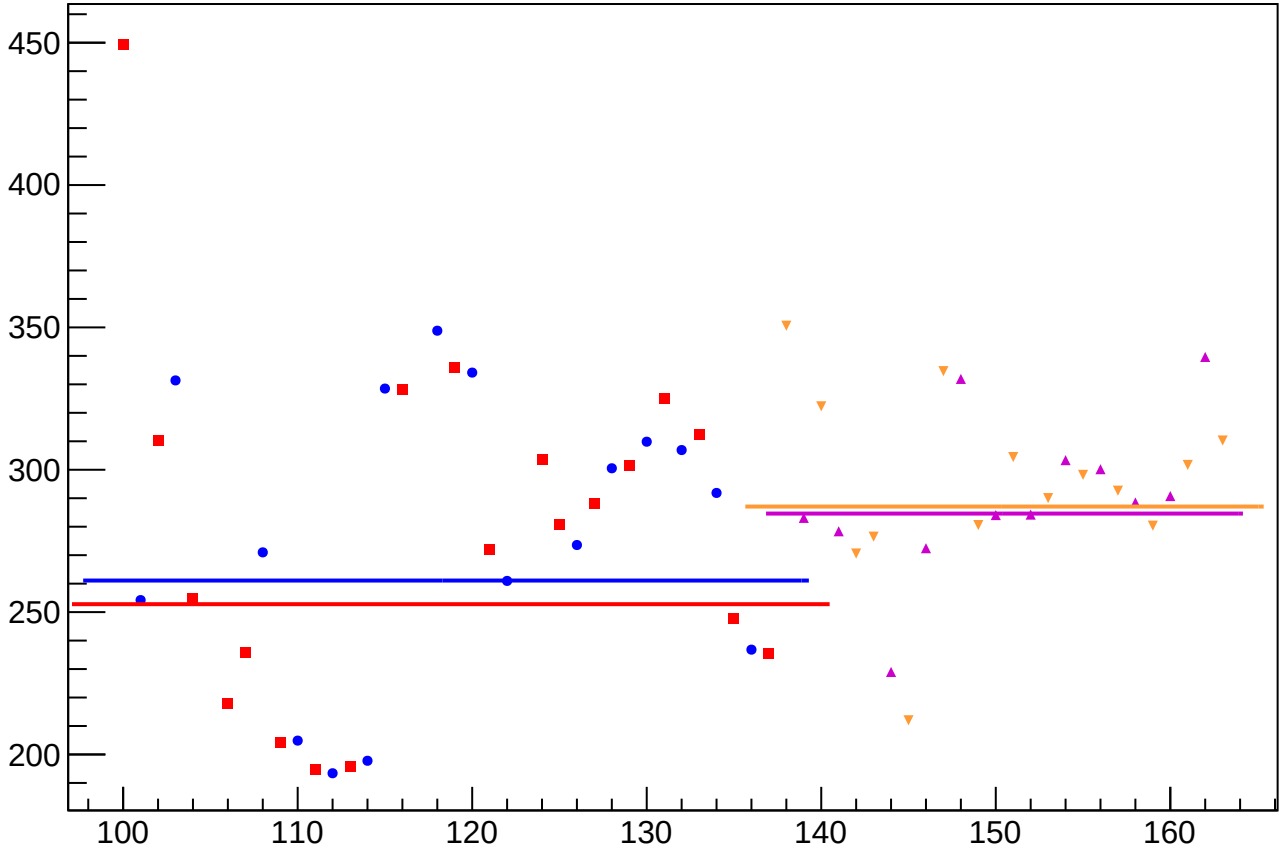
Left In: -308.154+/-89.569 χ^2/NDF:8.9/11

+ sign 154.161+/-65.347 χ^2/NDF: 24.6/29

All: -61.136+/-46.152 χ^2/NDF: 70.4/60

- sign -275.405+/-65.190 χ^2/NDF: 24.1/30

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 287.074+/-0.061 χ^2/NDF:332358.4/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

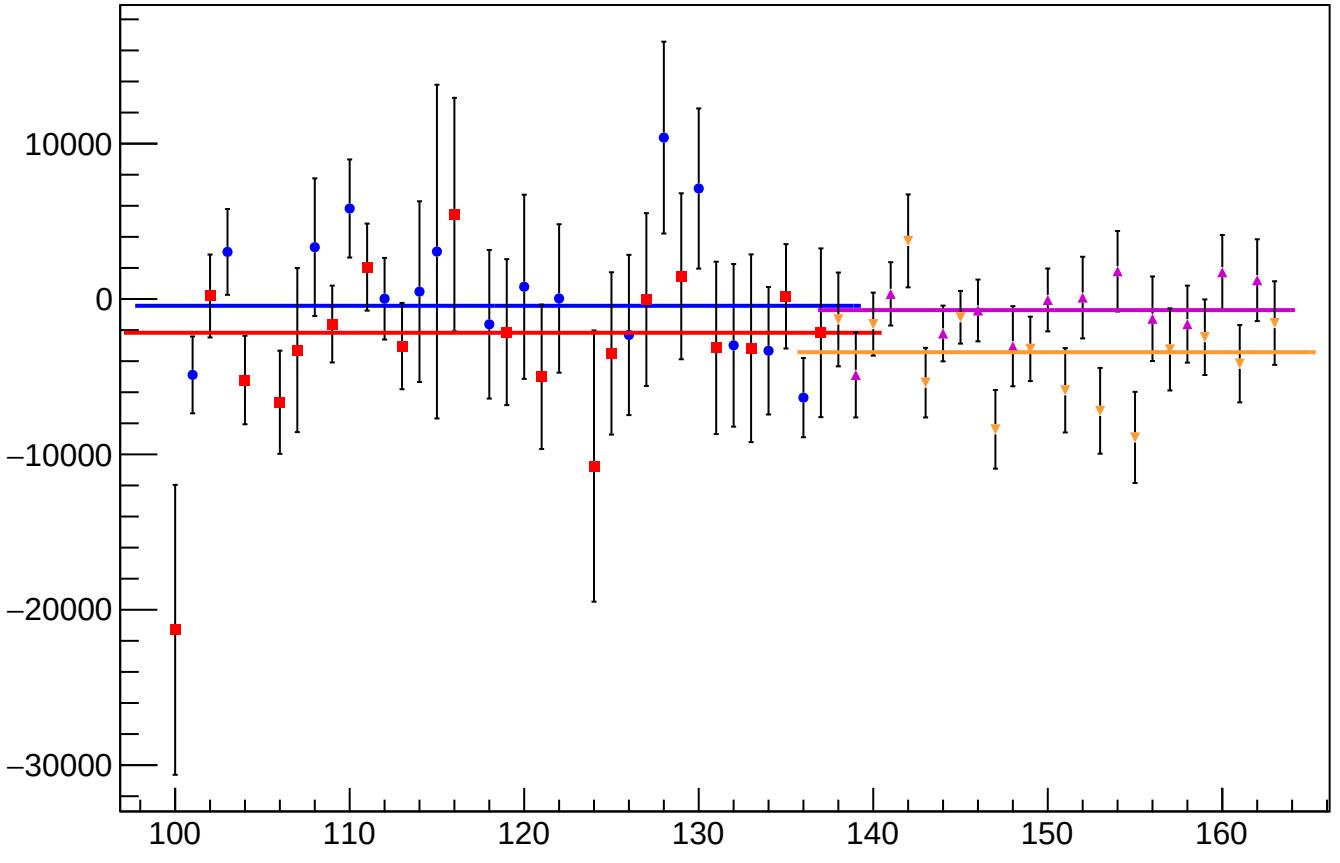
Left In: 284.611+/-0.063 χ^2/NDF:193050.7/11

+ sign 275.805+/-0.046 χ^2/NDF: 872692.6/29

All: 272.717+/-0.033 χ^2/NDF: 1730674.6/60

- sign 269.645+/-0.046 χ^2/NDF: 849074.9/30

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3421.977+/-646.074 χ^2/NDF:20.3/13

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

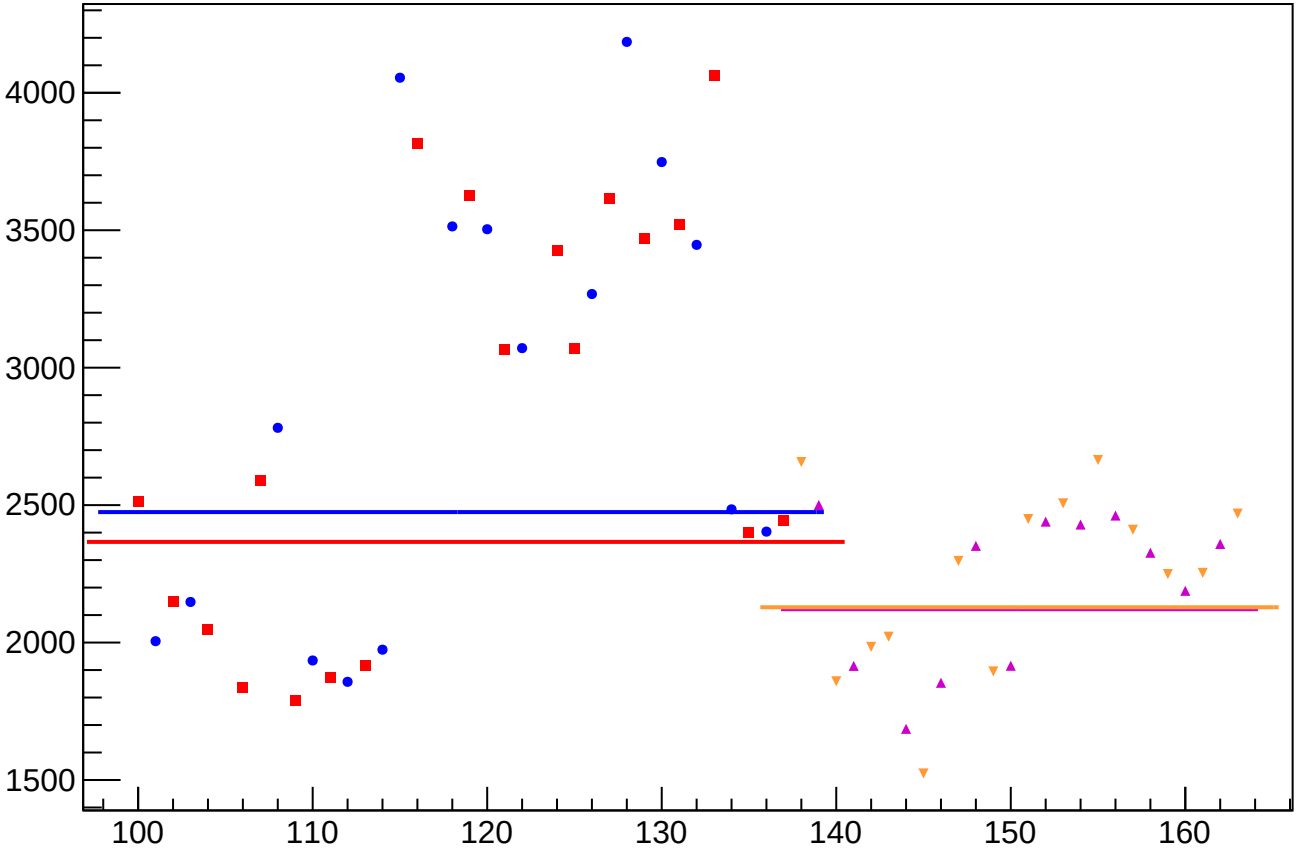
Left In: -713.804+/-667.847 χ^2/NDF:7.0/11

+ sign -2484.859+/-535.144 χ^2/NDF: 48.2/29

All: -1859.490+/-378.900 χ^2/NDF: 73.6/60

- sign -1230.833+/-536.549 χ^2/NDF: 22.7/30

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2128.367+/-0.457 χ^2/NDF:591417.6/13

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

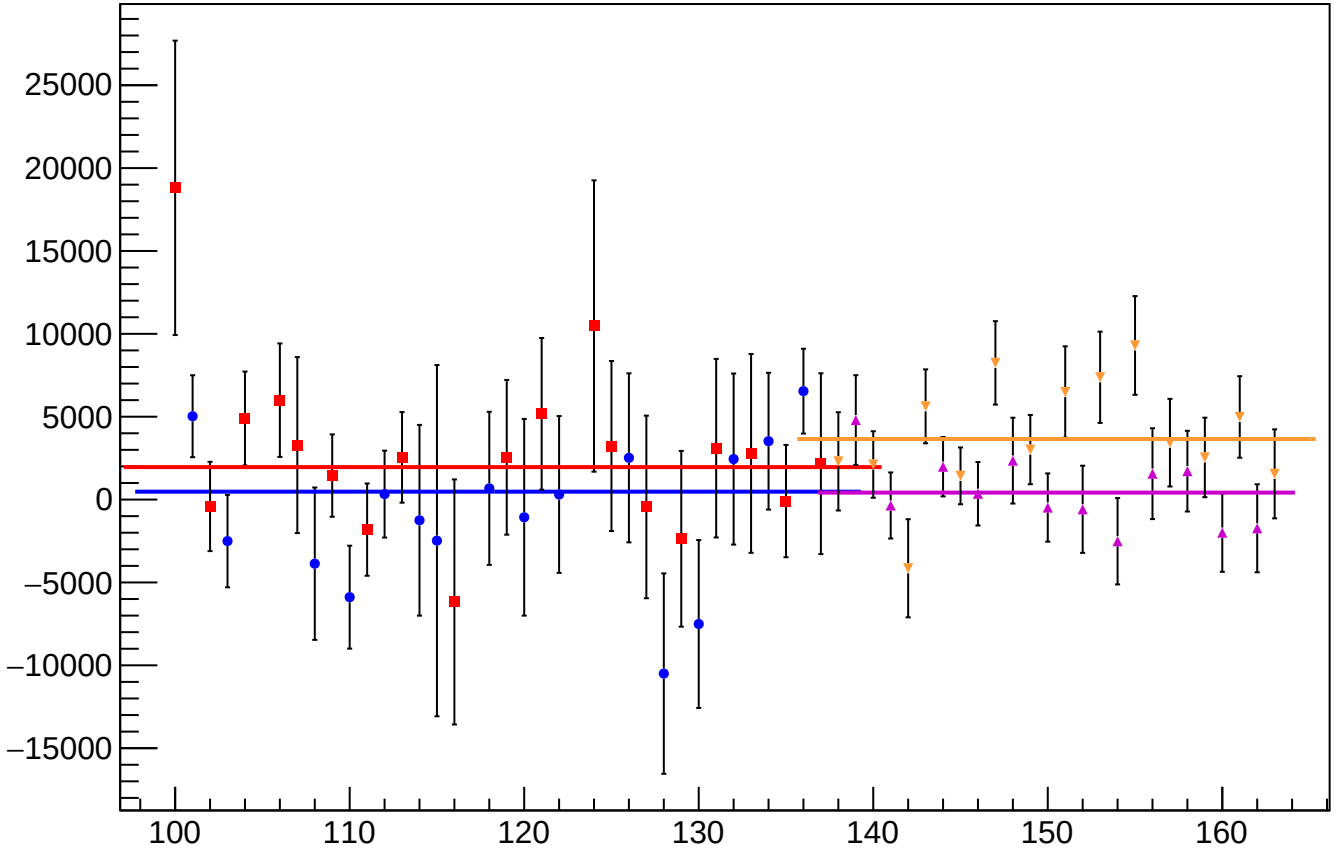
Left In: 2121.335+/-0.472 χ^2/NDF:369883.3/11

+ sign 2237.062+/-0.378 χ^2/NDF: 1688001.1/29

All: 2222.648+/-0.268 χ^2/NDF: 3233310.4/60

- sign 2208.158+/-0.379 χ^2/NDF: 1542399.8/30

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3653.703+/-645.215 χ^2/NDF:21.2/13

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

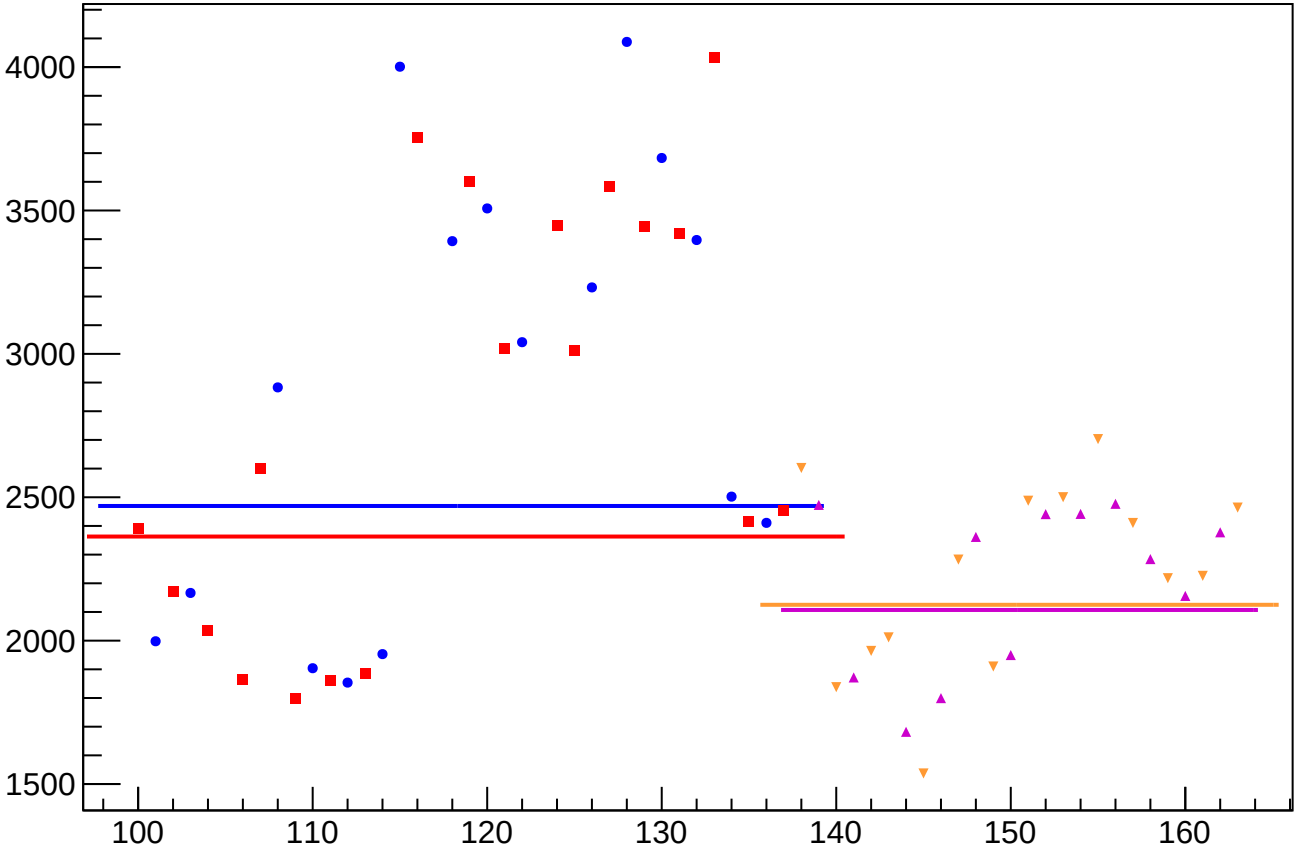
Left In: 420.625+/-663.476 χ^2/NDF:7.9/11

+ sign 2654.979+/-534.237 χ^2/NDF: 51.0/29

All: 1808.436+/-377.673 χ^2/NDF: 78.6/60

- sign 962.698+/-533.983 χ^2/NDF: 22.6/30

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2125.021+/-0.456 χ^2/NDF:577375.5/13

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

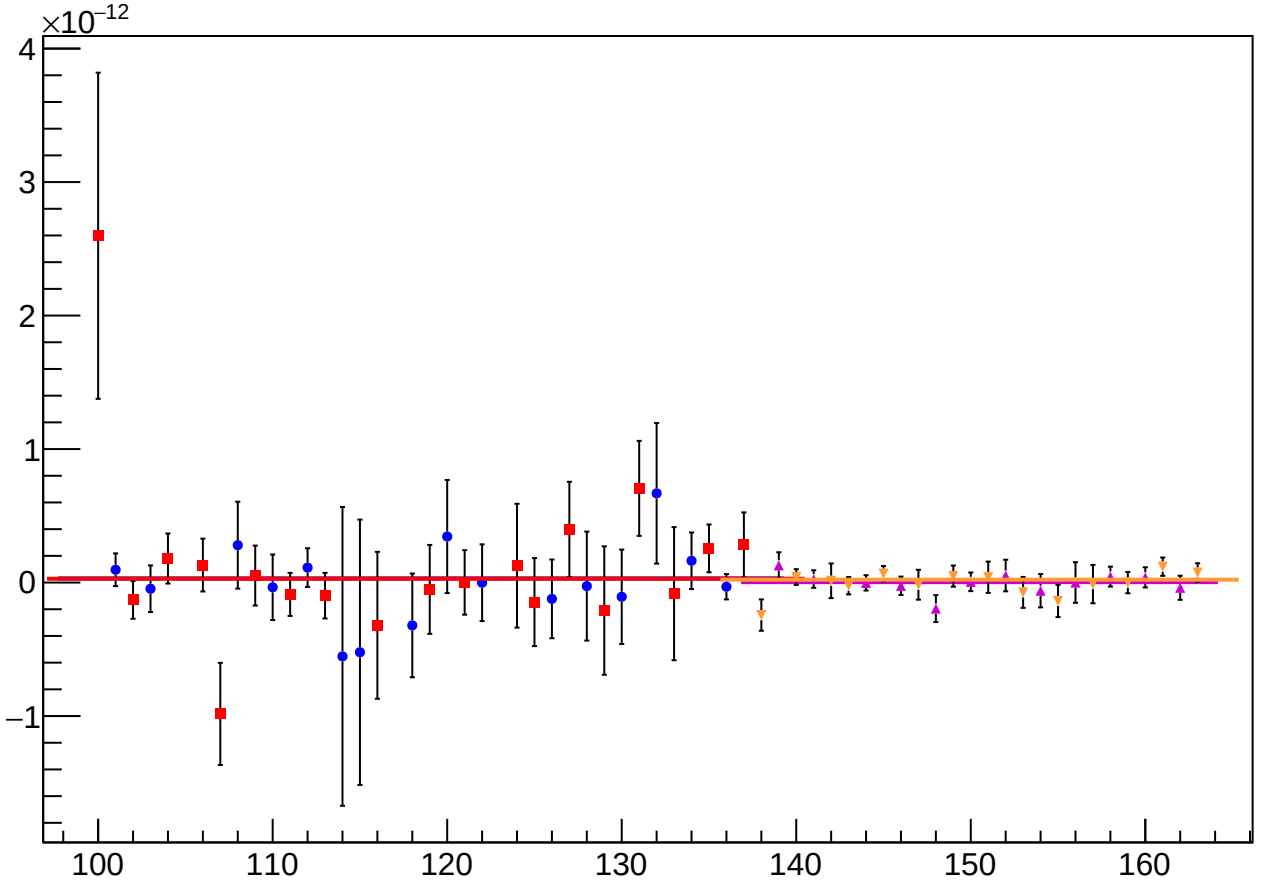
Left In: 2106.978+/-0.469 χ^2/NDF:393579.0/11

+ sign 2233.375+/-0.378 χ^2/NDF: 1642947.1/29

All: 2215.270+/-0.267 χ^2/NDF: 3189409.5/60

- sign 2197.181+/-0.378 χ^2/NDF: 1541870.3/30

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:11.7/13

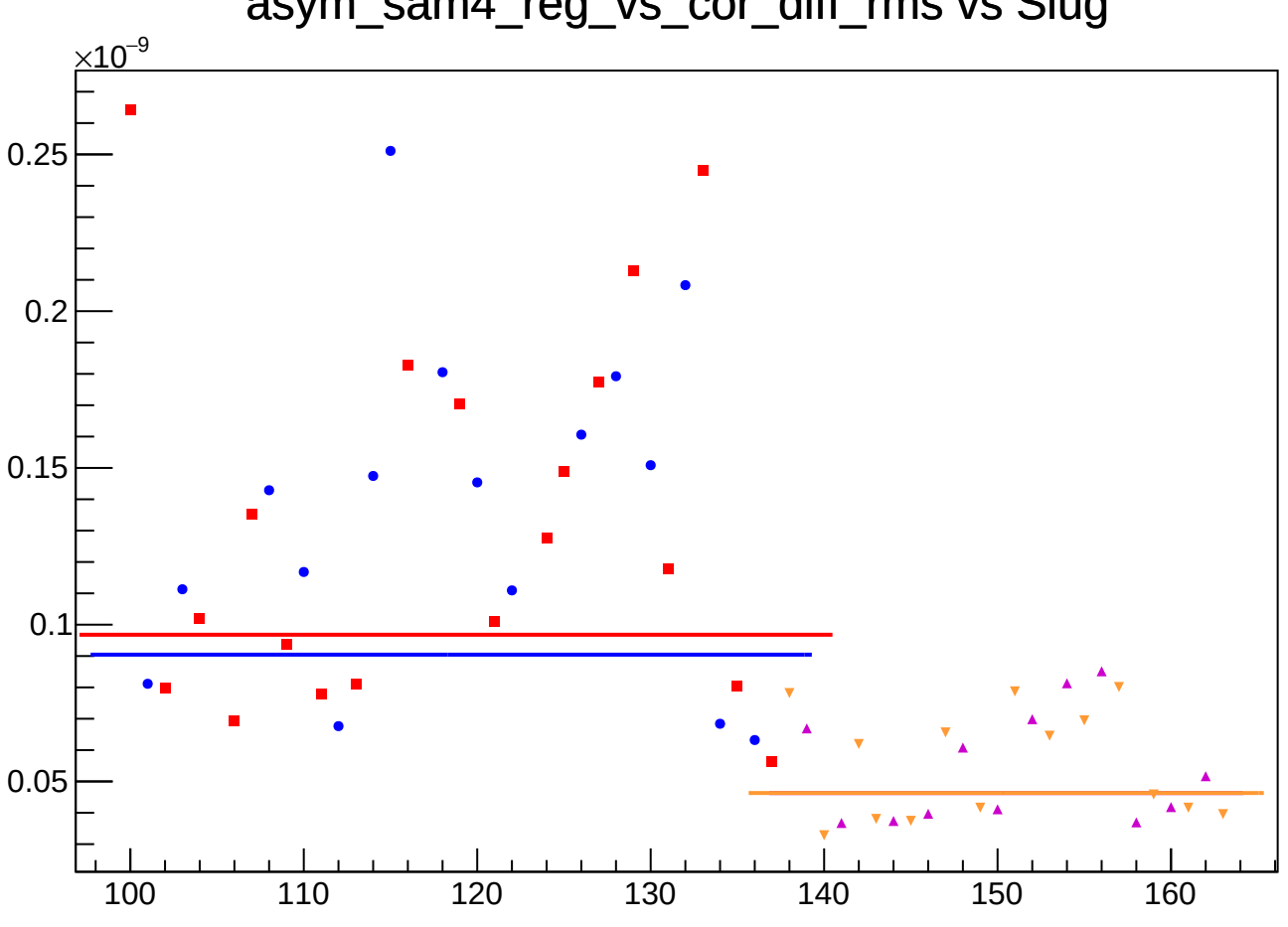
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 17.9/29

All: 0.000+/-0.000 χ^2/NDF: 48.5/60

- sign 0.000+/-0.000 χ^2/NDF: 30.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:843418.7/13

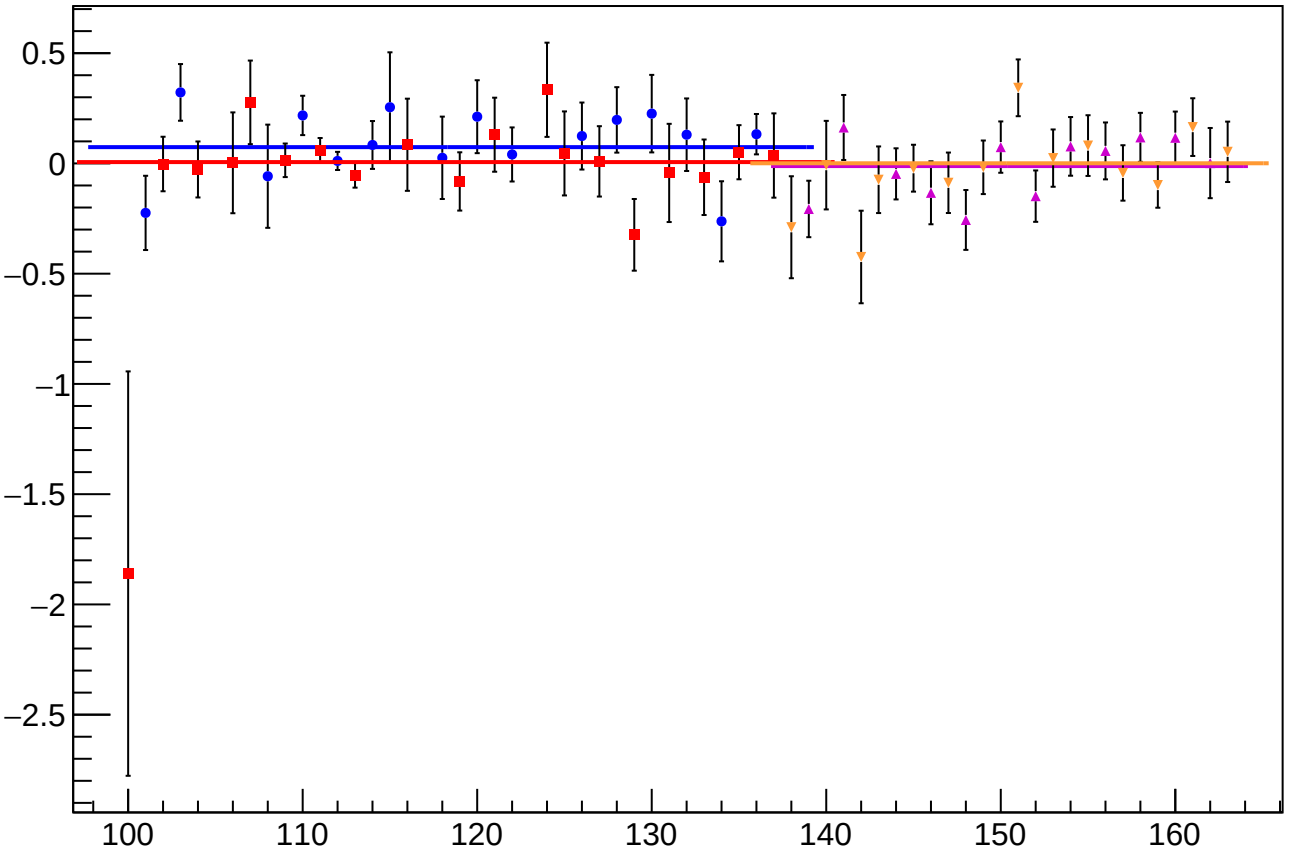
Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:661906.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 2967499.9/29

All: 0.000+/-0.000 χ^2/NDF: 5868241.3/60

- sign 0.000+/-0.000 χ^2/NDF: 2898856.5/30



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

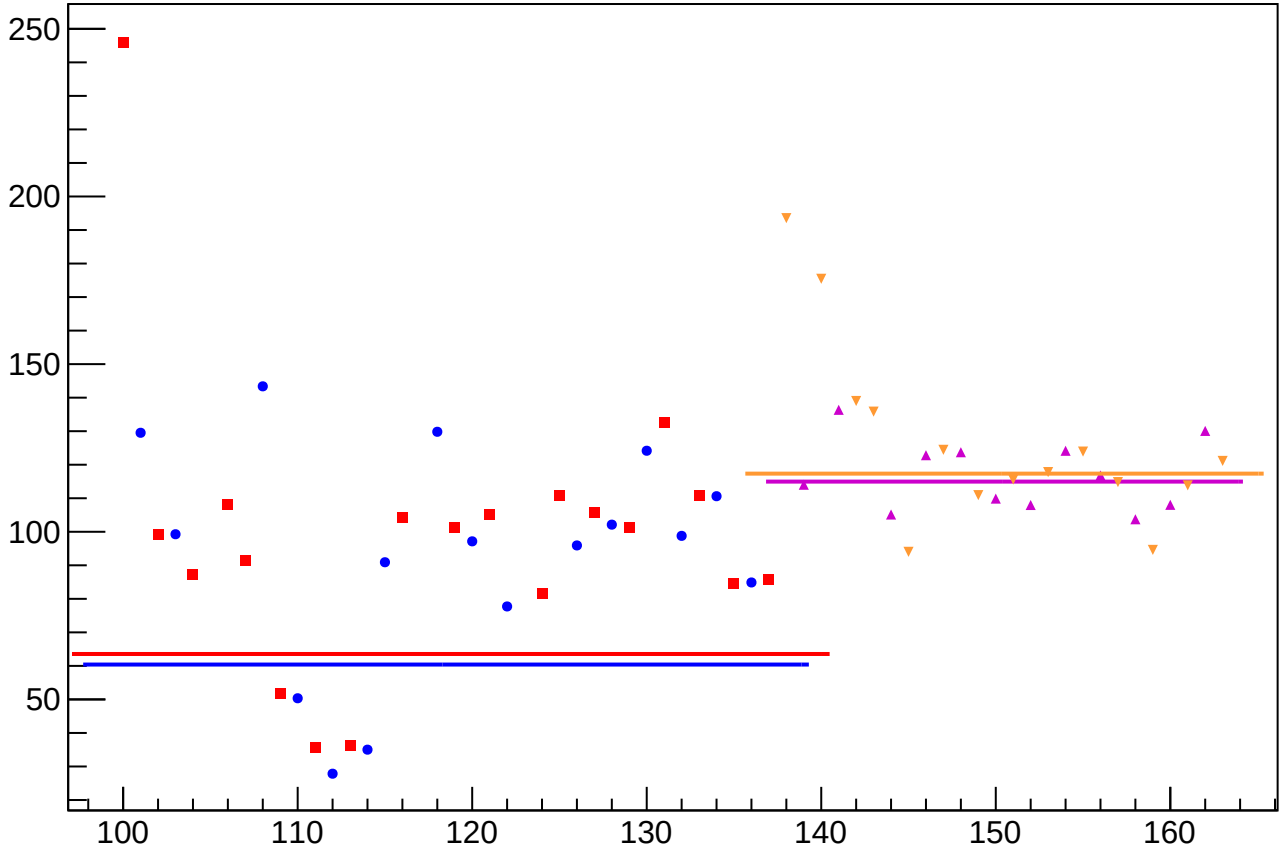
Left In: -0.012+/-0.037 χ^2/NDF:13.0/11

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.024+/-0.015 χ^2/NDF: 70.2/60

- sign -0.000+/-0.022 χ^2/NDF: 29.5/30

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

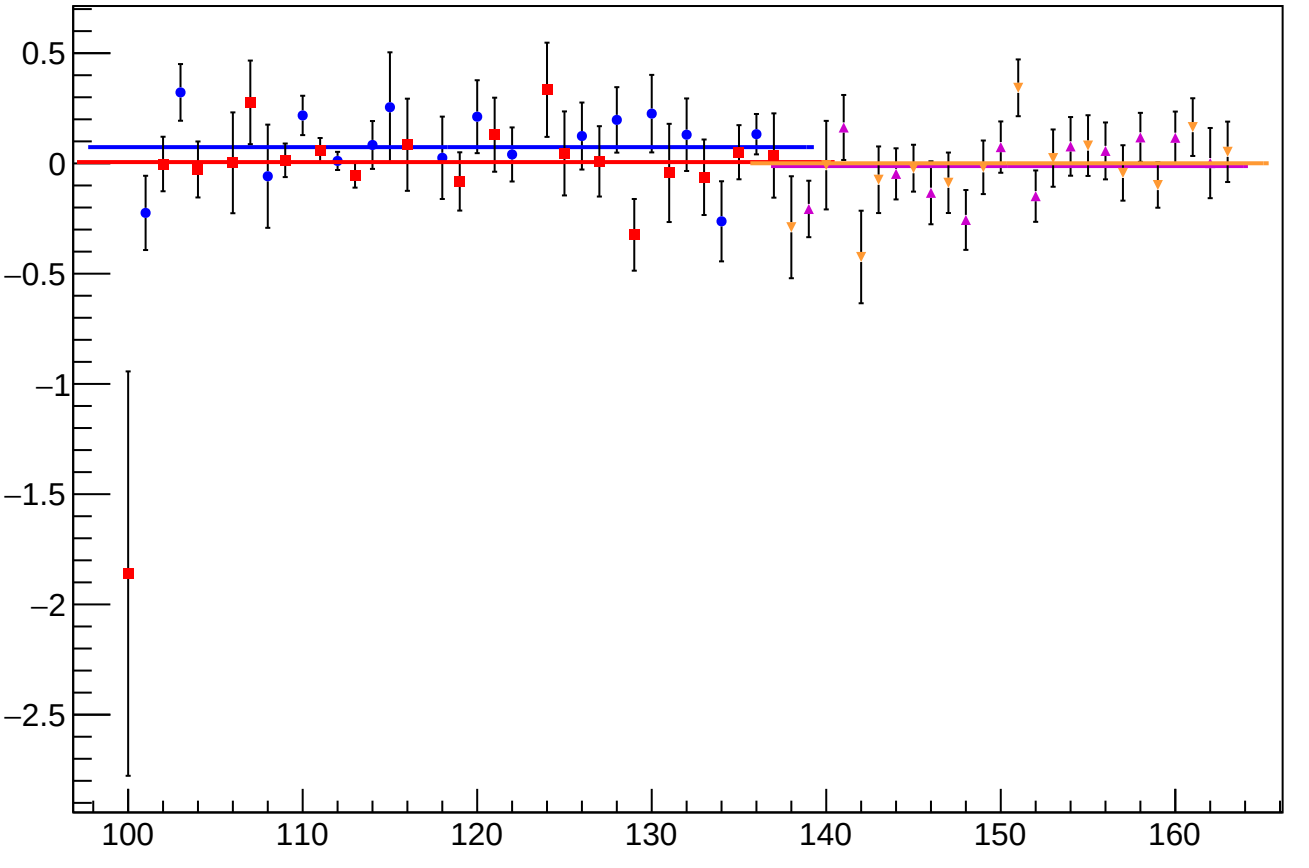
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.964+/-0.026 χ^2/NDF:137255.7/11

\+ sign 80.739+/-0.015 χ^2/NDF: 7362360.8/29

All: 81.082+/-0.011 χ^2/NDF: 12707994.4/60

\- sign 81.426+/-0.015 χ^2/NDF: 5344628.2/30



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

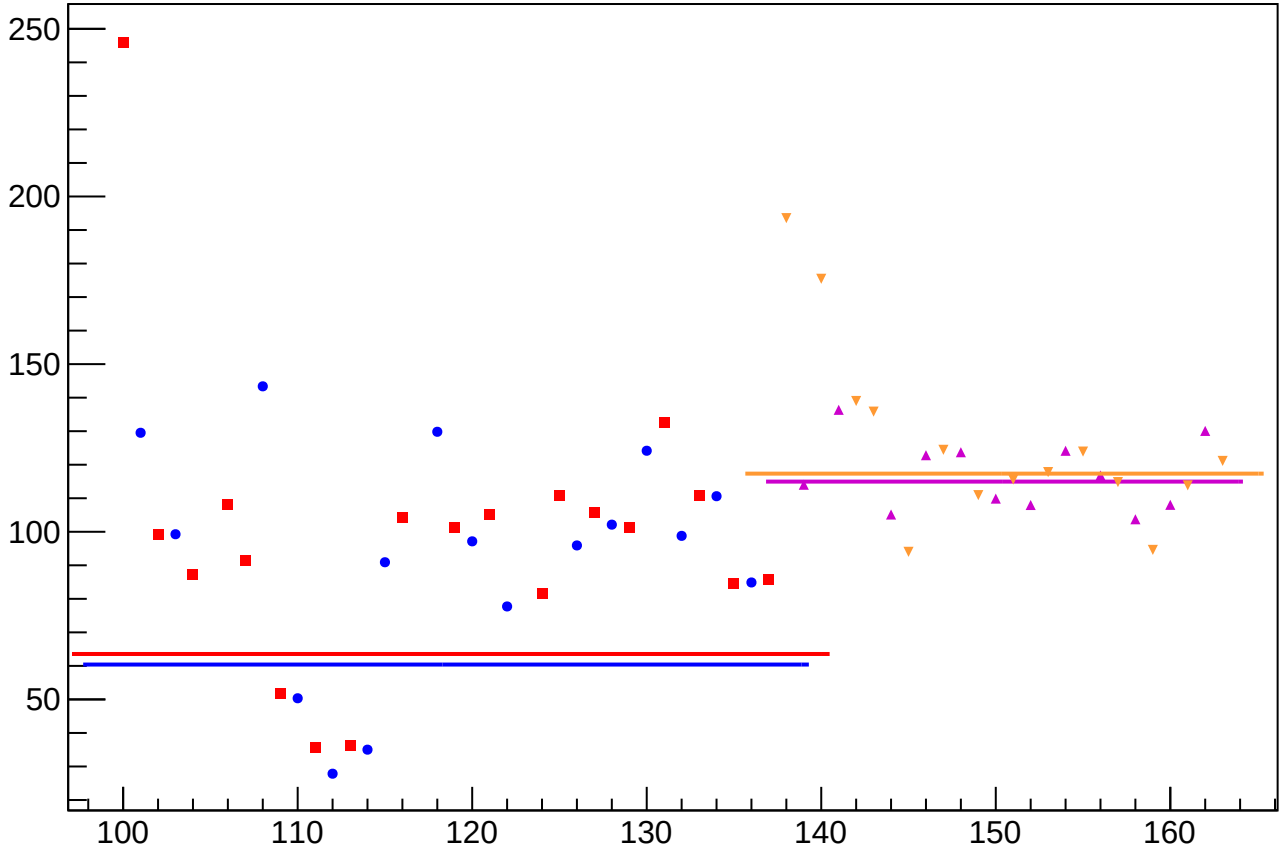
Left In: -0.012+/-0.037 χ^2/NDF:13.0/11

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.024+/-0.015 χ^2/NDF: 70.2/60

- sign -0.000+/-0.022 χ^2/NDF: 29.5/30

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

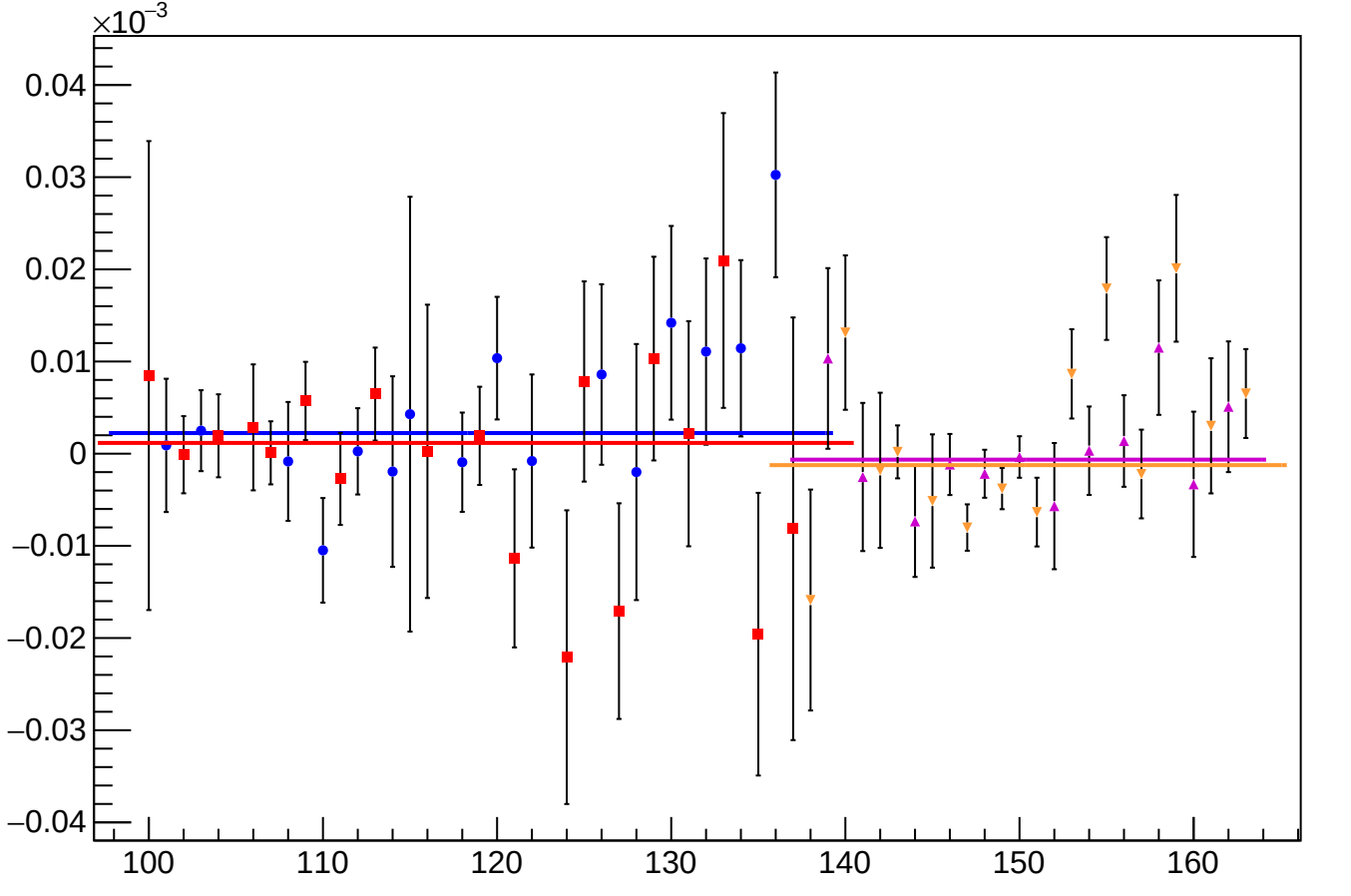
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.964+/-0.026 χ^2/NDF:137255.7/11

\+ sign 80.739+/-0.015 χ^2/NDF: 7362360.8/29

All: 81.082+/-0.011 χ^2/NDF: 12707994.4/60

\- sign 81.426+/-0.015 χ^2/NDF: 5344628.2/30



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/13

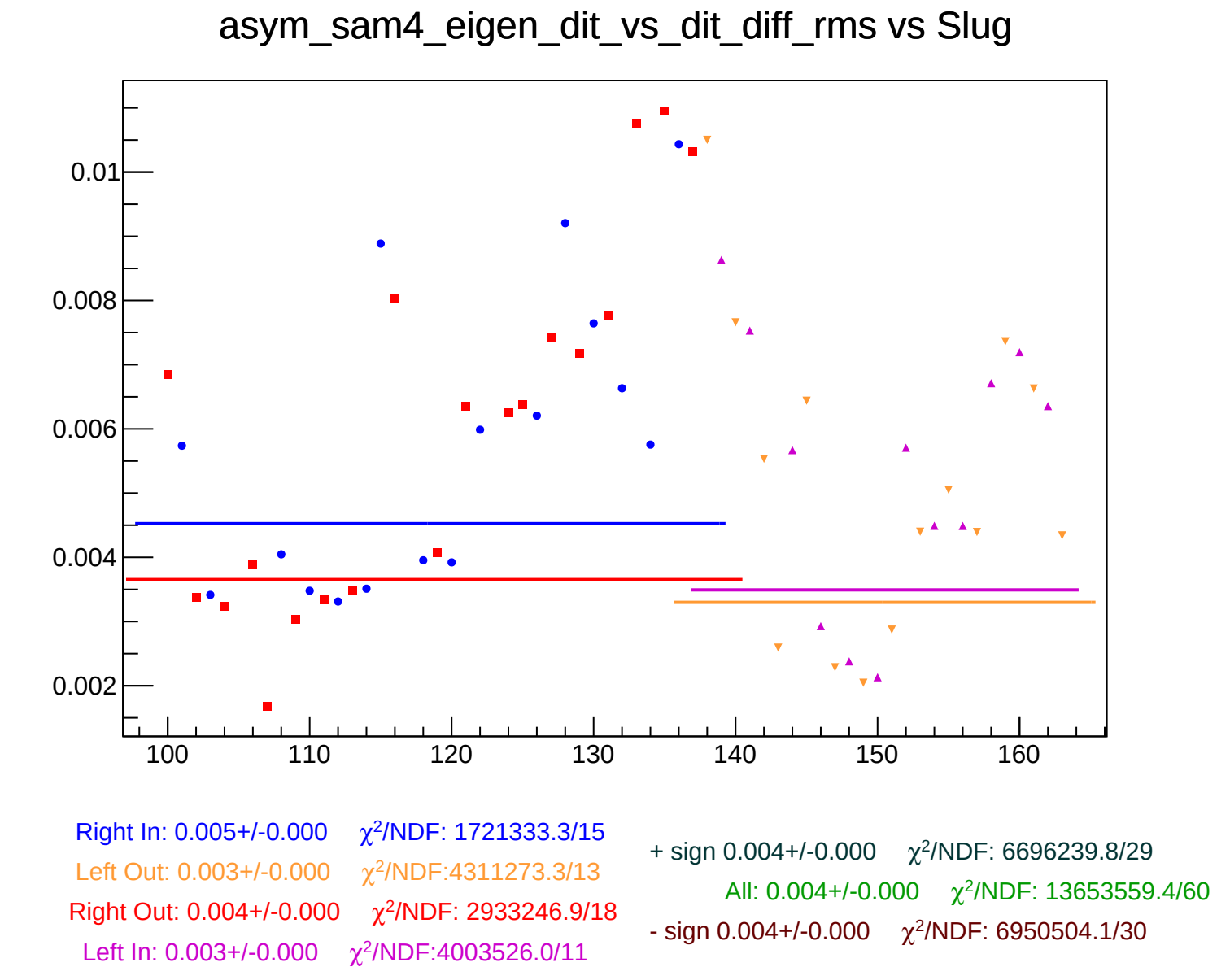
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

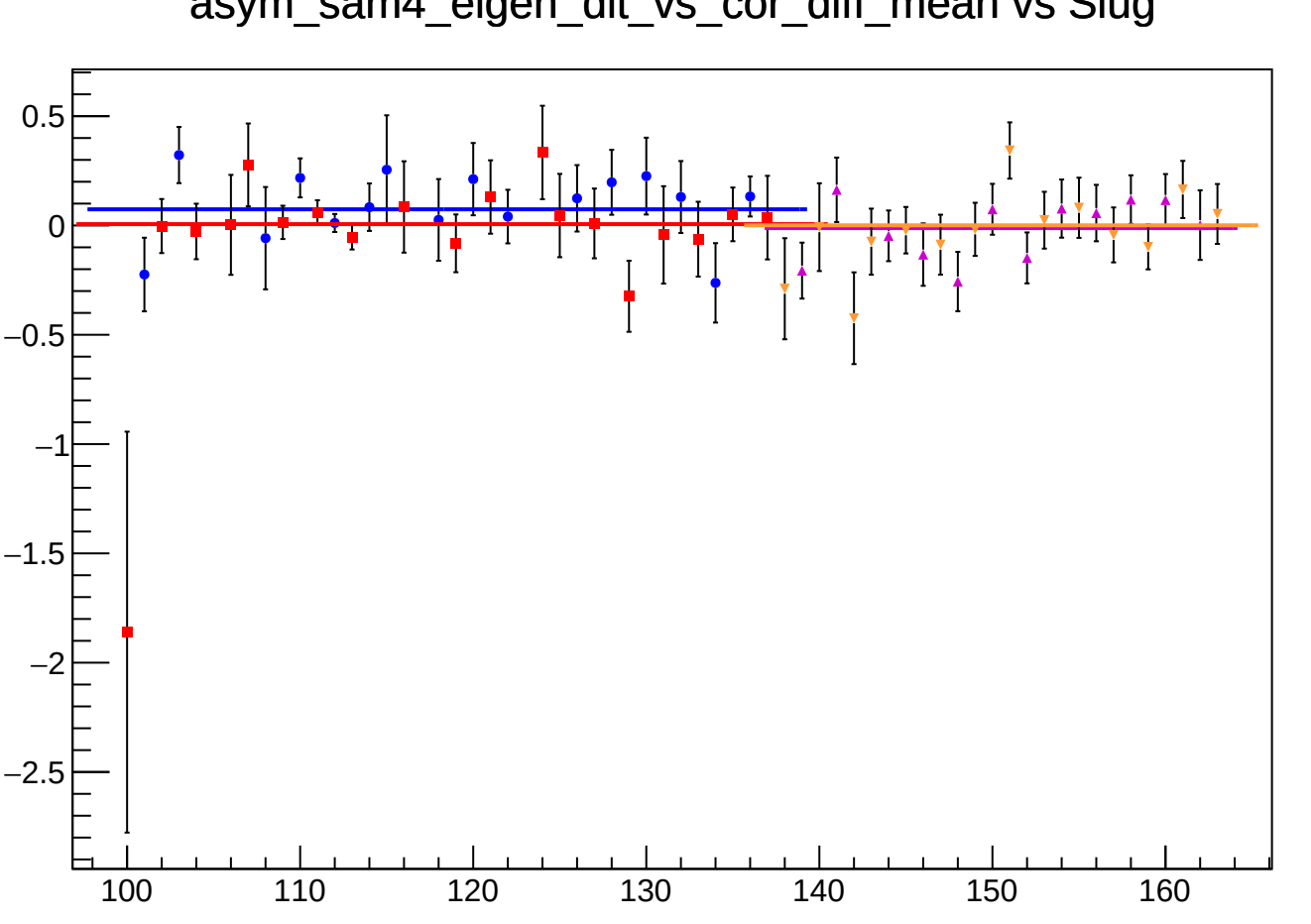
Left In: -0.000+/-0.000 χ^2/NDF:7.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/29

All: -0.000+/-0.000 χ^2/NDF: 83.9/60

- sign 0.000+/-0.000 χ^2/NDF: 22.2/30


asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.003+/-0.000 χ²/NDF:4311273.3/13
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.003+/-0.000 χ²/NDF:4003526.0/11
+ sign 0.004+/-0.000 χ²/NDF: 6696239.8/29
All: 0.004+/-0.000 χ²/NDF: 13653559.4/60
- sign 0.004+/-0.000 χ²/NDF: 6950504.1/30



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

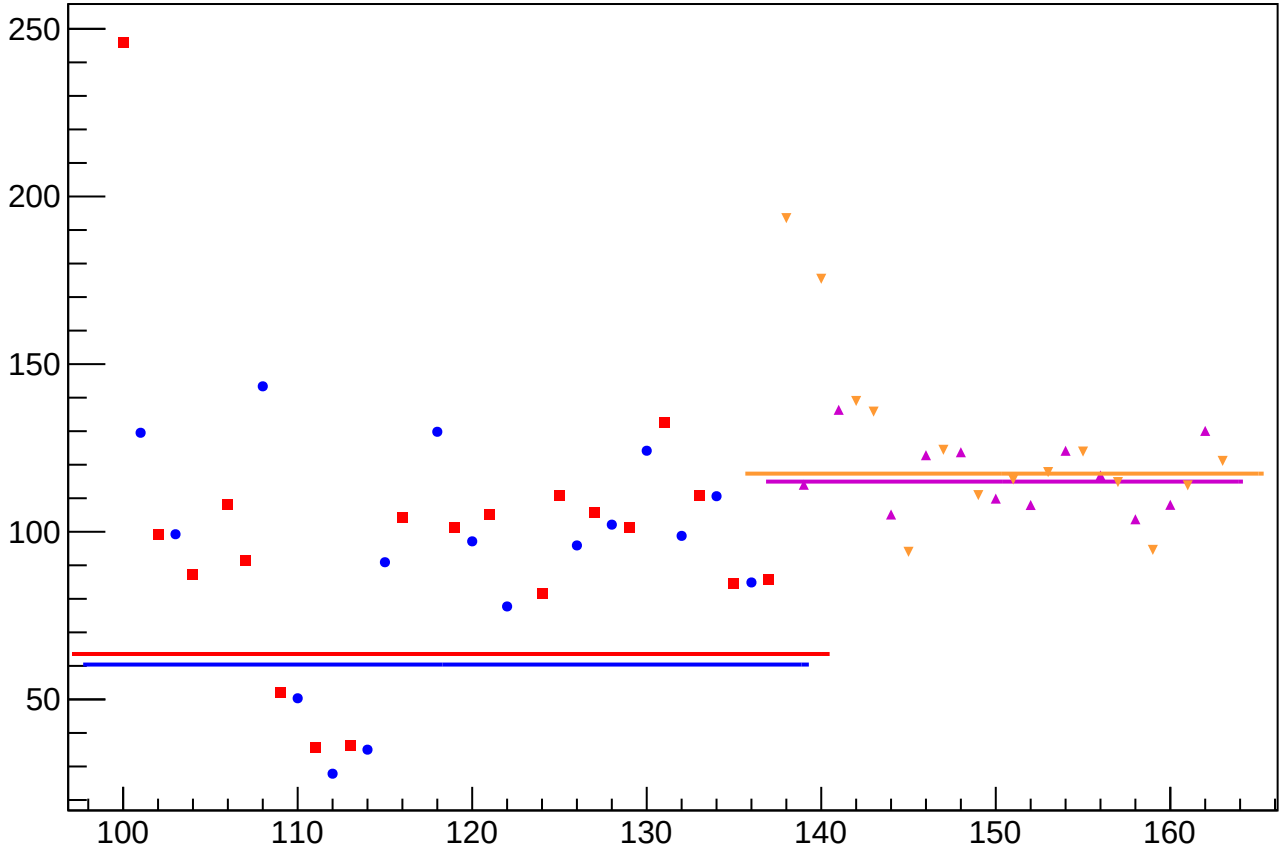
Left In: -0.012+/-0.037 χ^2/NDF:13.0/11

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.024+/-0.015 χ^2/NDF: 70.2/60

- sign -0.000+/-0.022 χ^2/NDF: 29.5/30

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

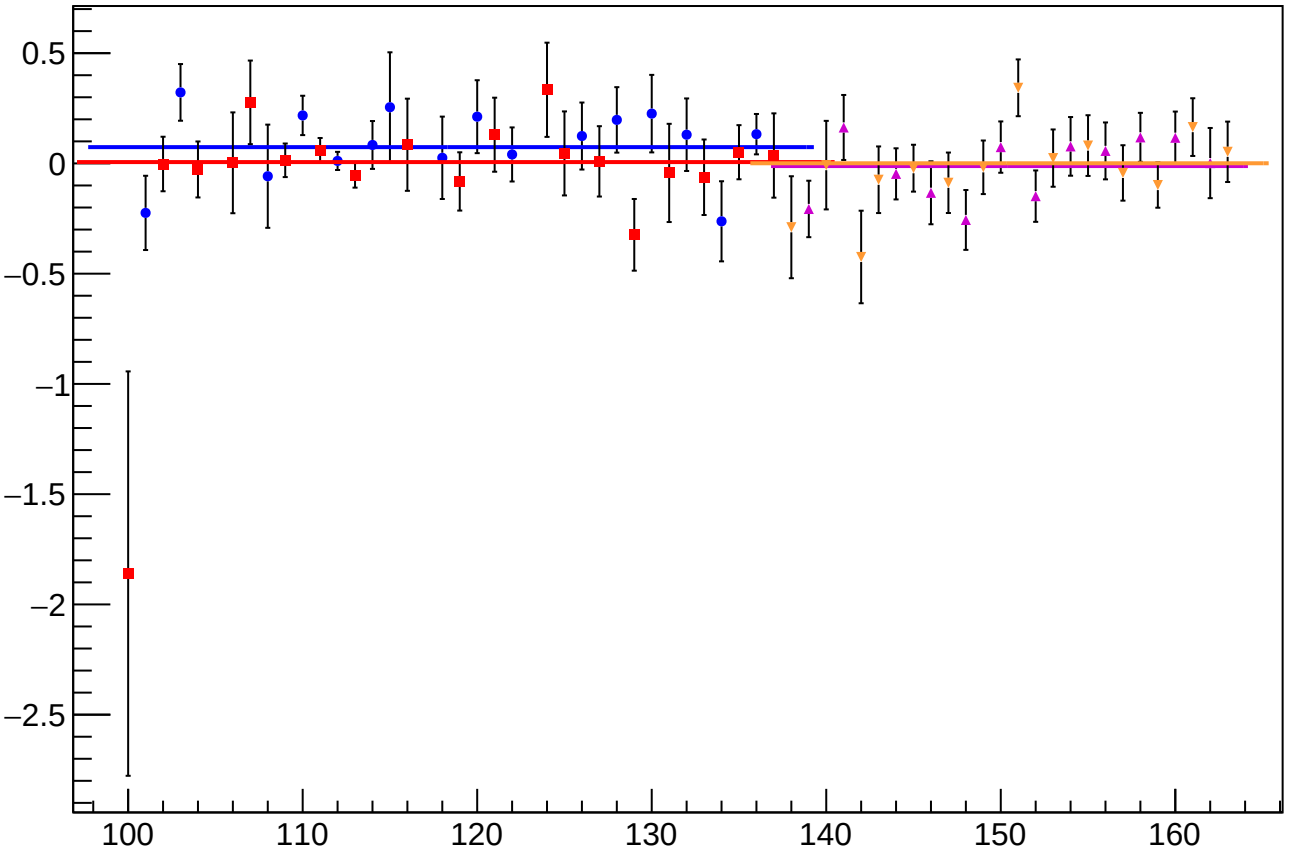
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.966+/-0.026 χ^2/NDF:137258.2/11

+ sign 80.737+/-0.015 χ^2/NDF: 7362975.6/29

All: 81.081+/-0.011 χ^2/NDF: 12709185.6/60

- sign 81.424+/-0.015 χ^2/NDF: 5345203.6/30



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

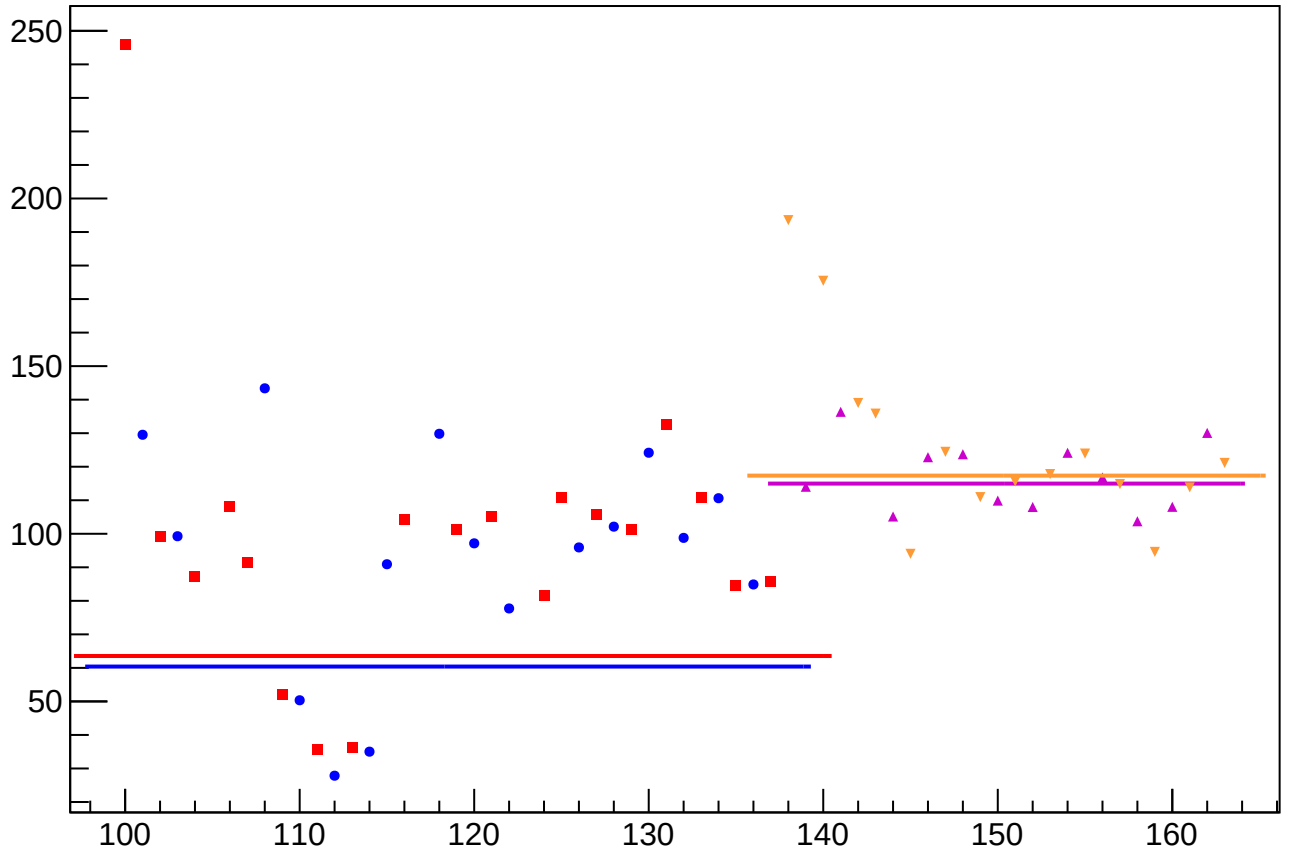
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.012+/-0.037 χ^2/NDF:13.0/11

+ sign 0.048+/-0.022 χ^2/NDF: 38.2/29

All: 0.024+/-0.015 χ^2/NDF: 70.2/60

- sign -0.000+/-0.022 χ^2/NDF: 29.5/30



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

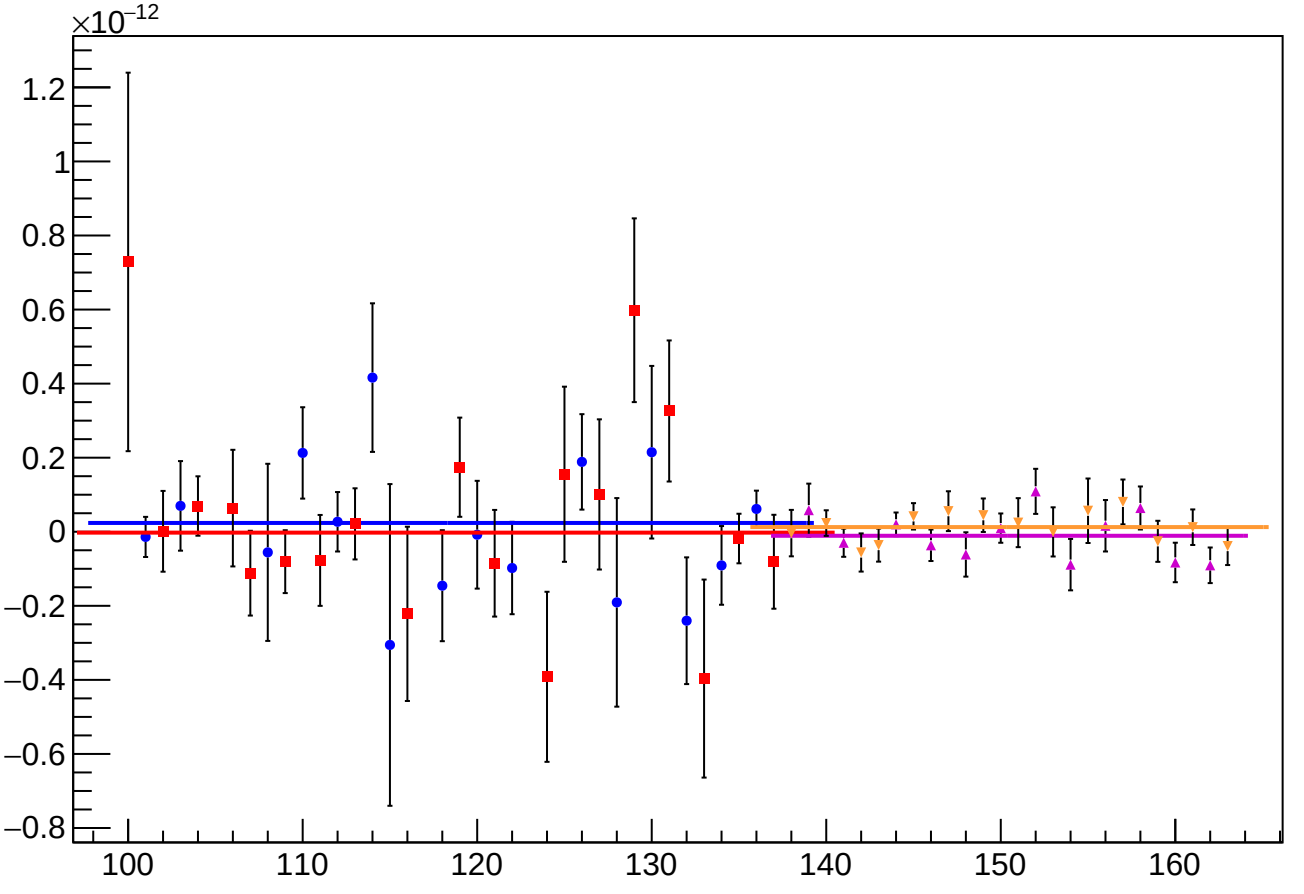
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.966+/-0.026 χ^2/NDF:137258.2/11

+ sign 80.737+/-0.015 χ^2/NDF: 7362975.6/29

All: 81.081+/-0.011 χ^2/NDF: 12709185.6/60

- sign 81.424+/-0.015 χ^2/NDF: 5345203.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/13

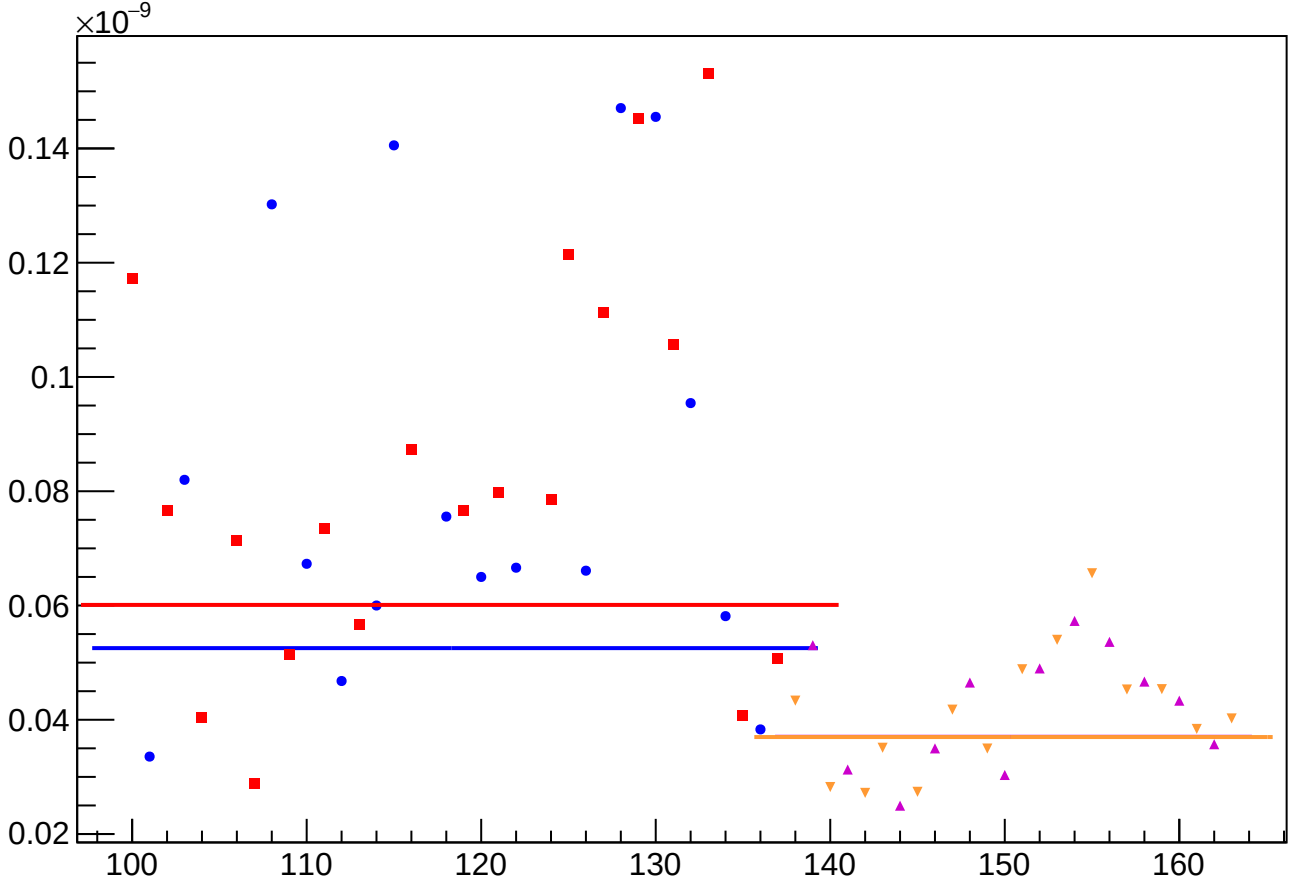
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/29

All: 0.000+/-0.000 χ^2/NDF: 65.1/60

- sign -0.000+/-0.000 χ^2/NDF: 38.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:894878.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

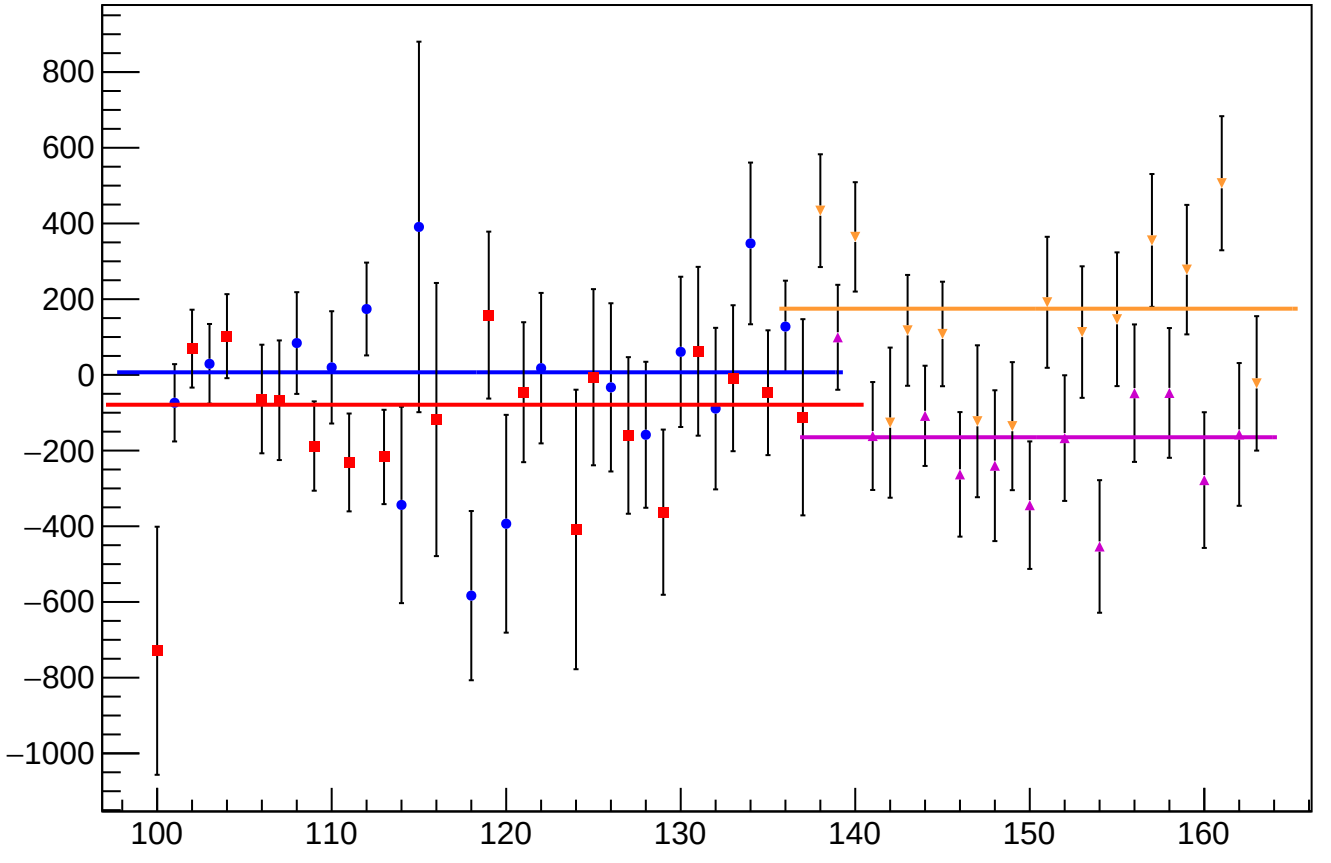
Left In: 0.000+/-0.000 χ^2/NDF:990238.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 3104187.7/29

All: 0.000+/-0.000 χ^2/NDF: 6678494.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3564341.7/30

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.859+/-44.456 χ^2/NDF:19.3/13

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

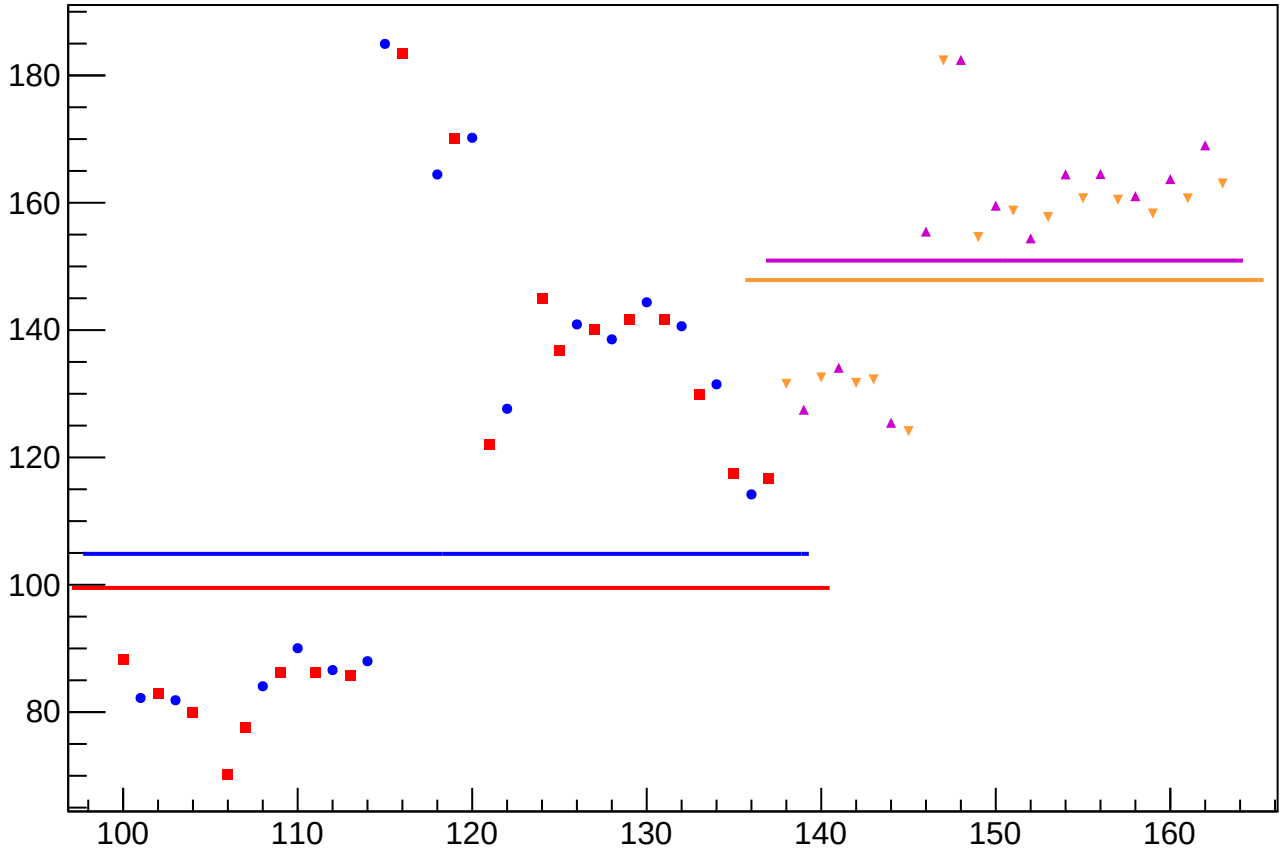
Left In: -164.783+/-47.240 χ^2/NDF:9.4/11

+ sign 82.723+/-29.879 χ^2/NDF: 45.9/29

All: -15.936+/-21.016 χ^2/NDF: 95.6/60

- sign -112.528+/-29.565 χ^2/NDF: 28.1/30

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

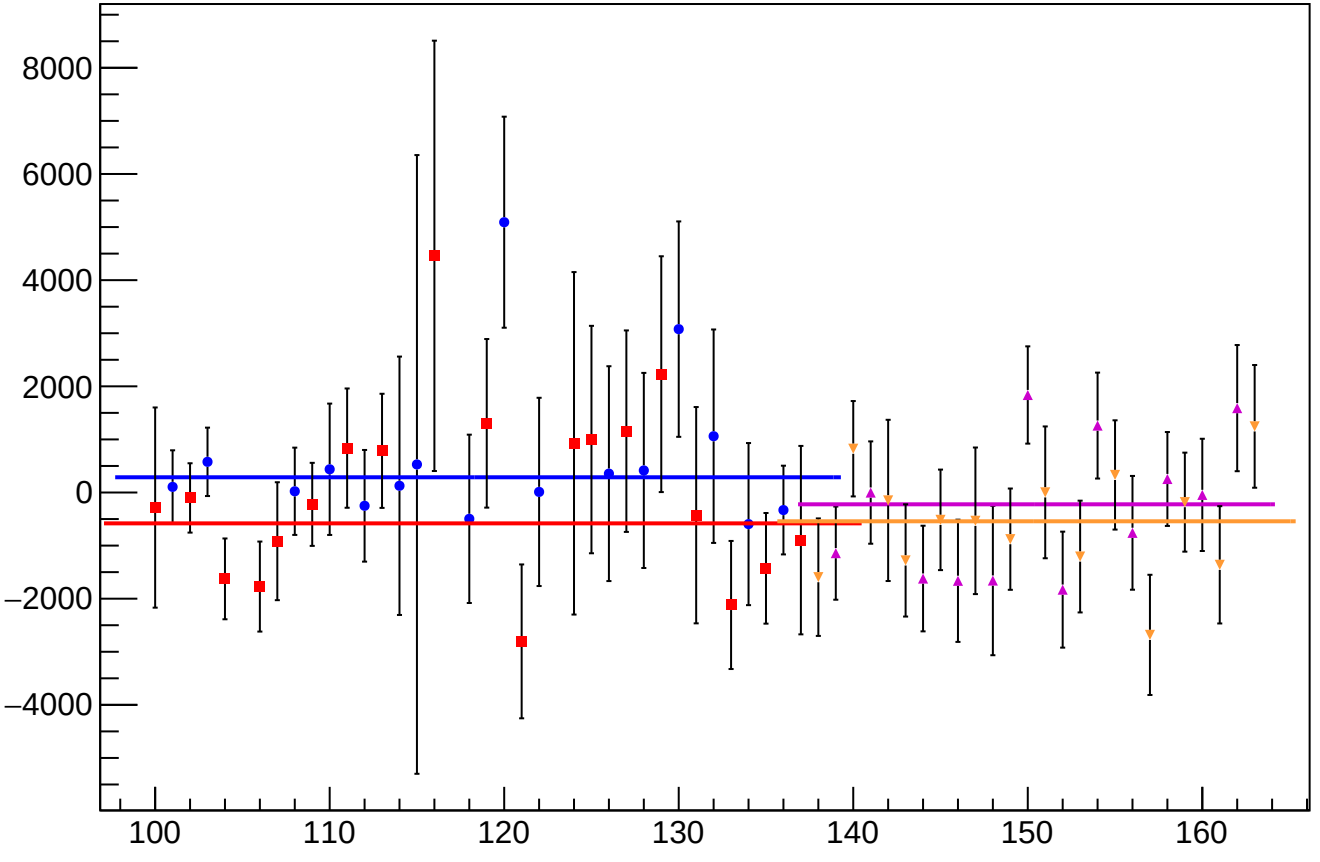
Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

+ sign 124.285+/-0.021 χ^2/NDF: 2228724.9/29

All: 121.940+/-0.015 χ^2/NDF: 5008727.6/60

- sign 119.645+/-0.021 χ^2/NDF: 2755632.5/30

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -542.115+/-287.282 χ^2/NDF:11.9/13

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

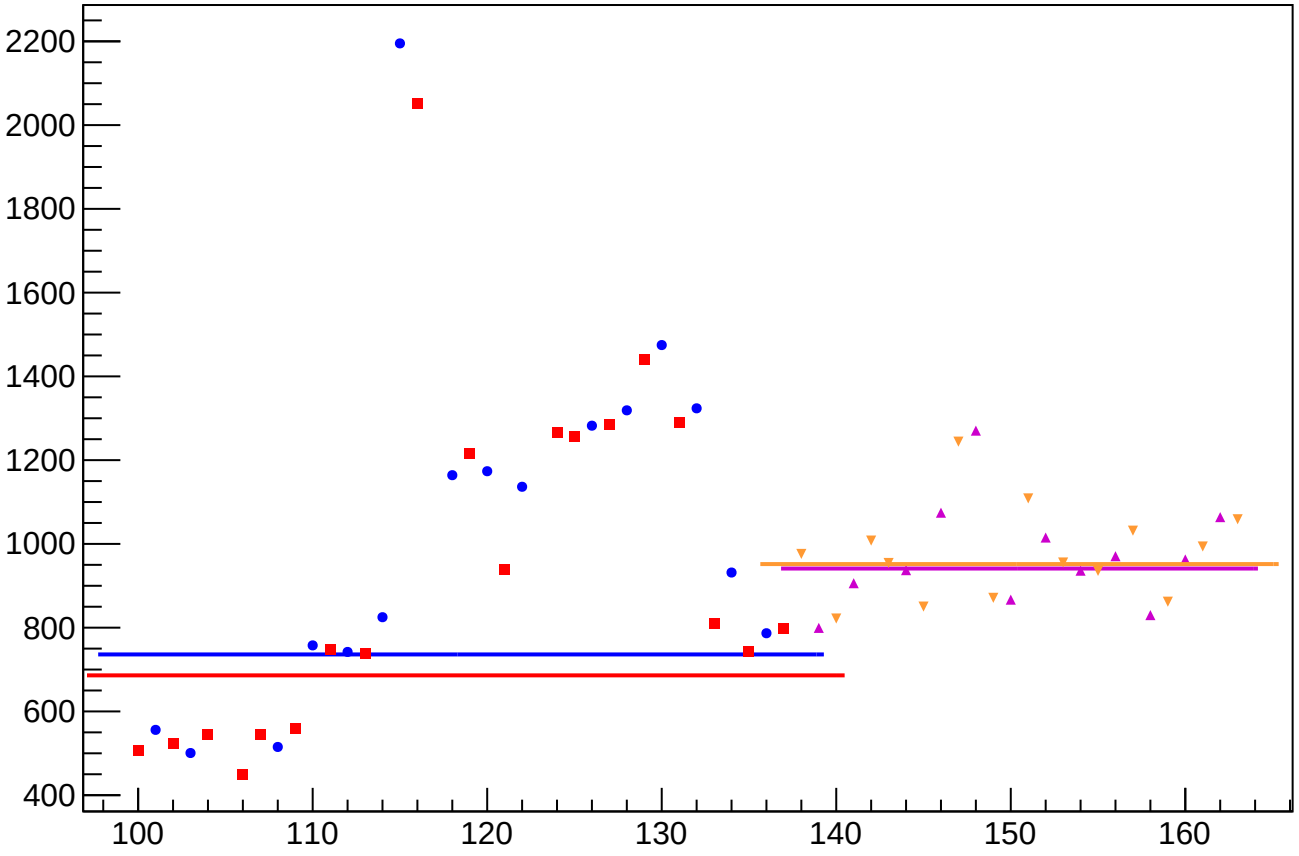
Left In: -222.265+/-295.783 χ^2/NDF:18.1/11

+ sign -136.437+/-205.293 χ^2/NDF: 25.6/29

All: -281.483+/-143.006 χ^2/NDF: 64.2/60

- sign -418.213+/-199.321 χ^2/NDF: 37.6/30

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.3/13

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

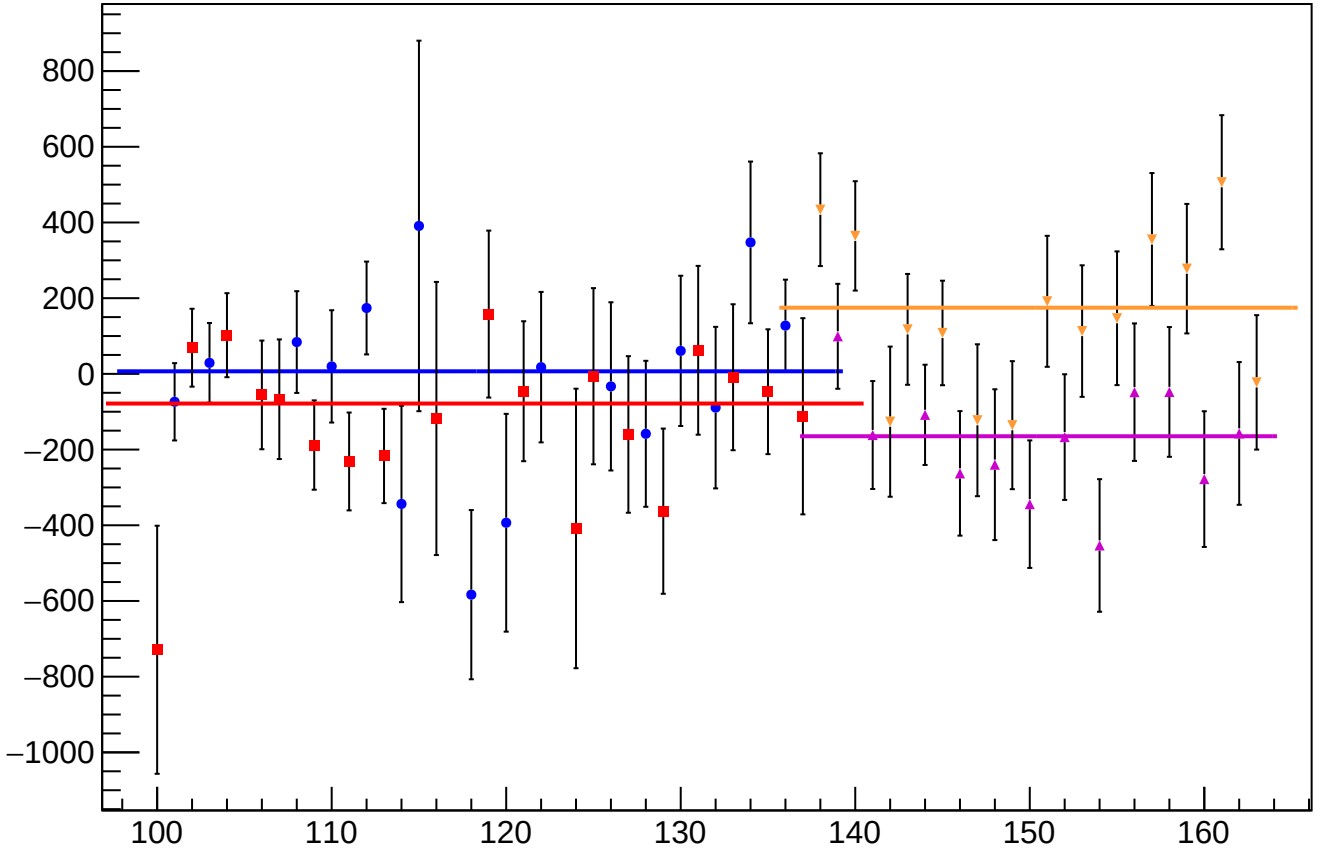
Left In: 941.165+/-0.209 χ^2/NDF:268814.9/11

+ sign 846.262+/-0.145 χ^2/NDF: 2649955.2/29

All: 823.443+/-0.101 χ^2/NDF: 5597775.3/60

- sign 801.932+/-0.141 χ^2/NDF: 2899817.3/30

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

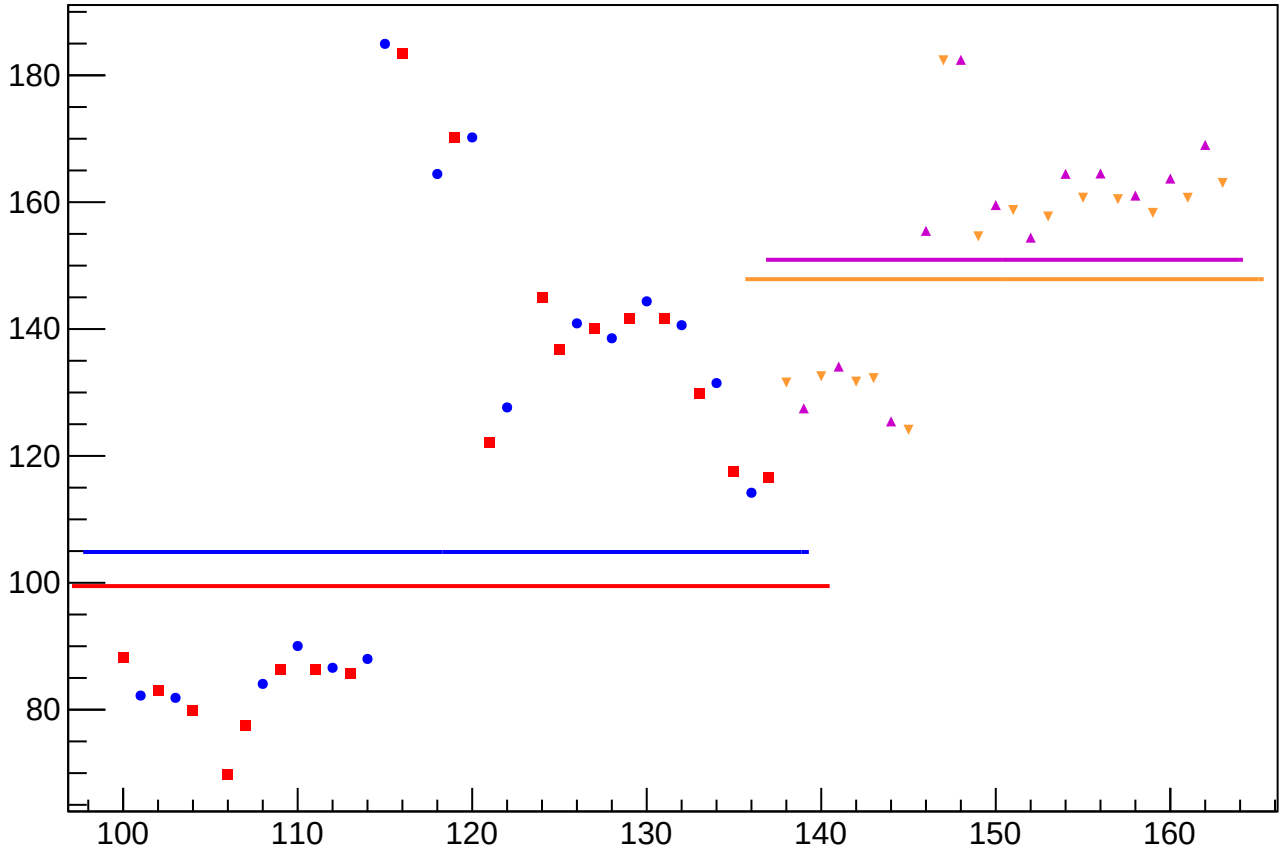
Left In: -164.786+/-47.240 χ^2/NDF:9.4/11

+ sign 82.715+/-29.879 χ^2/NDF: 45.9/29

All: -15.773+/-21.016 χ^2/NDF: 95.6/60

- sign -112.206+/-29.566 χ^2/NDF: 28.2/30

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

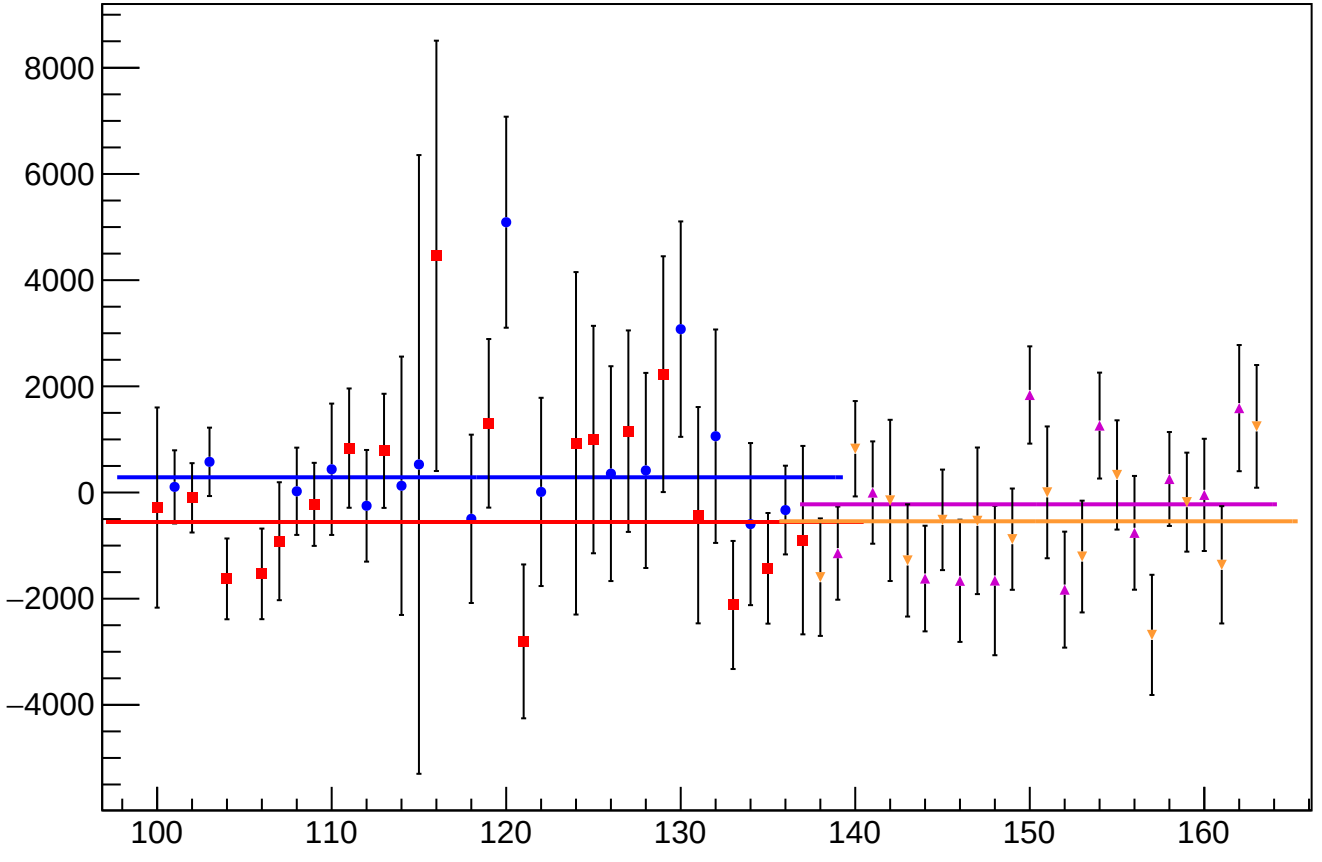
Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

+ sign 124.285+/-0.021 χ^2/NDF: 2228723.3/29

All: 121.934+/-0.015 χ^2/NDF: 5012306.1/60

- sign 119.632+/-0.021 χ^2/NDF: 2759078.8/30

asym_sam5_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

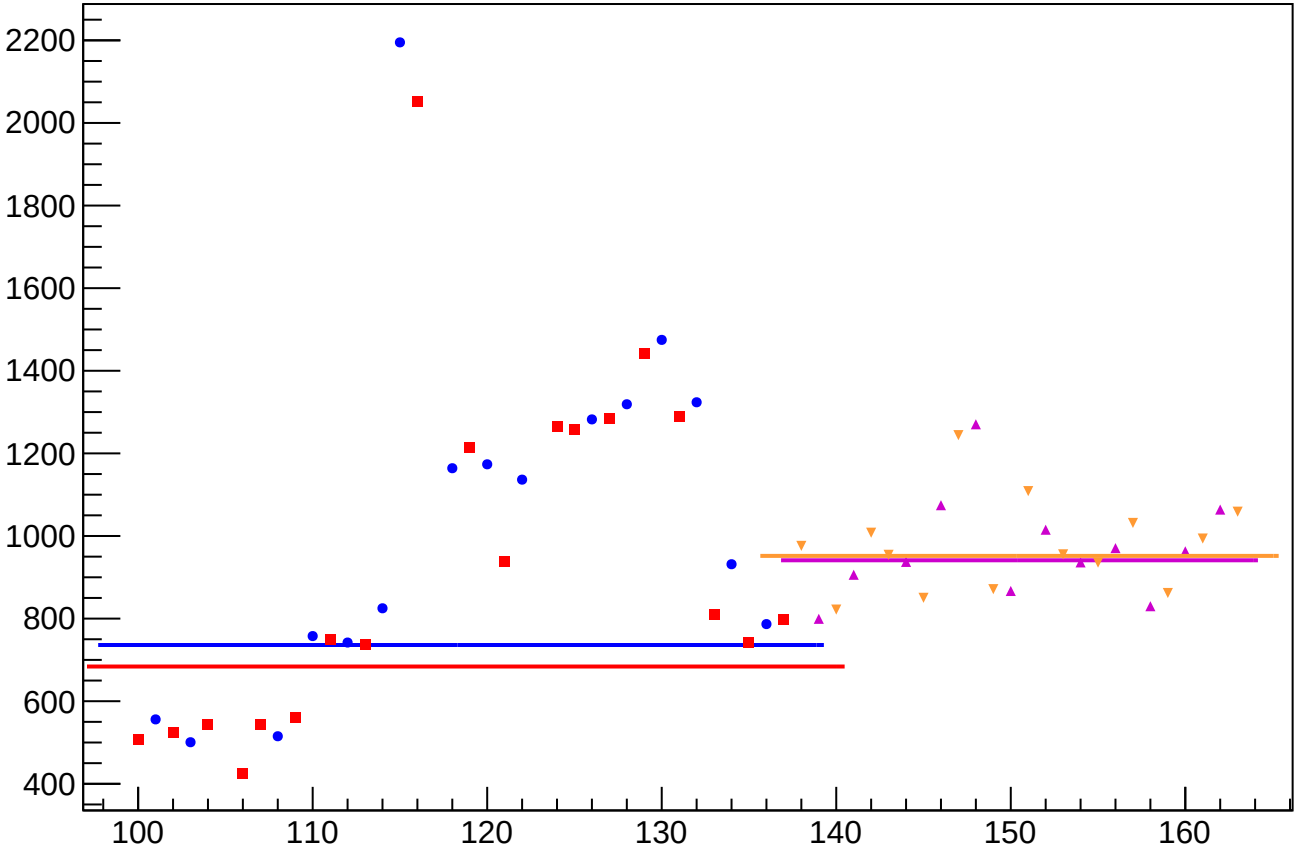
Left In: -222.265+/-295.783 χ^2/NDF:18.1/11

+ sign -136.434+/-205.293 χ^2/NDF: 25.6/29

All: -274.133+/-143.033 χ^2/NDF: 63.3/60

- sign -404.030+/-199.393 χ^2/NDF: 36.8/30

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

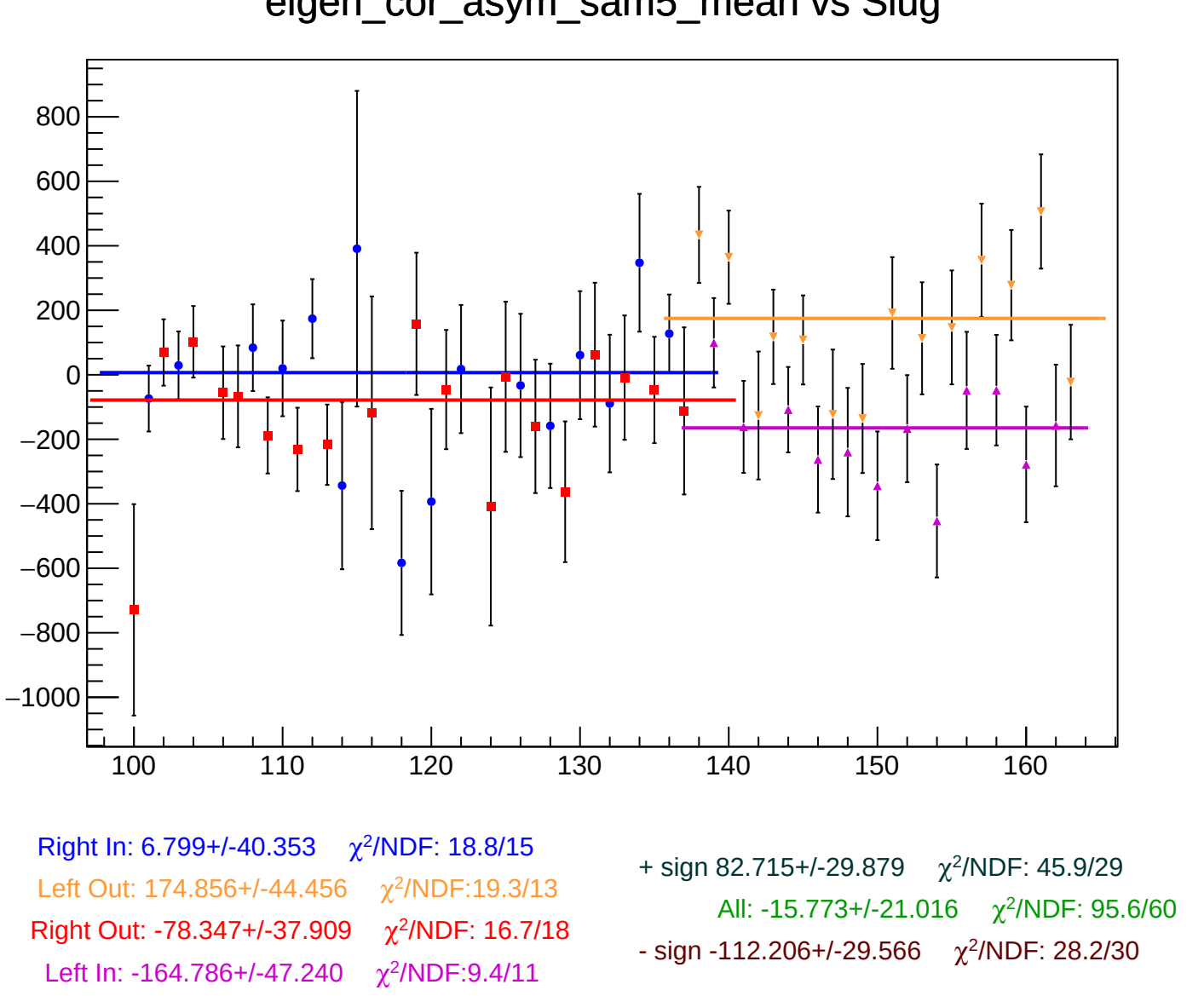
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 941.166+/-0.209 χ^2/NDF:268815.1/11

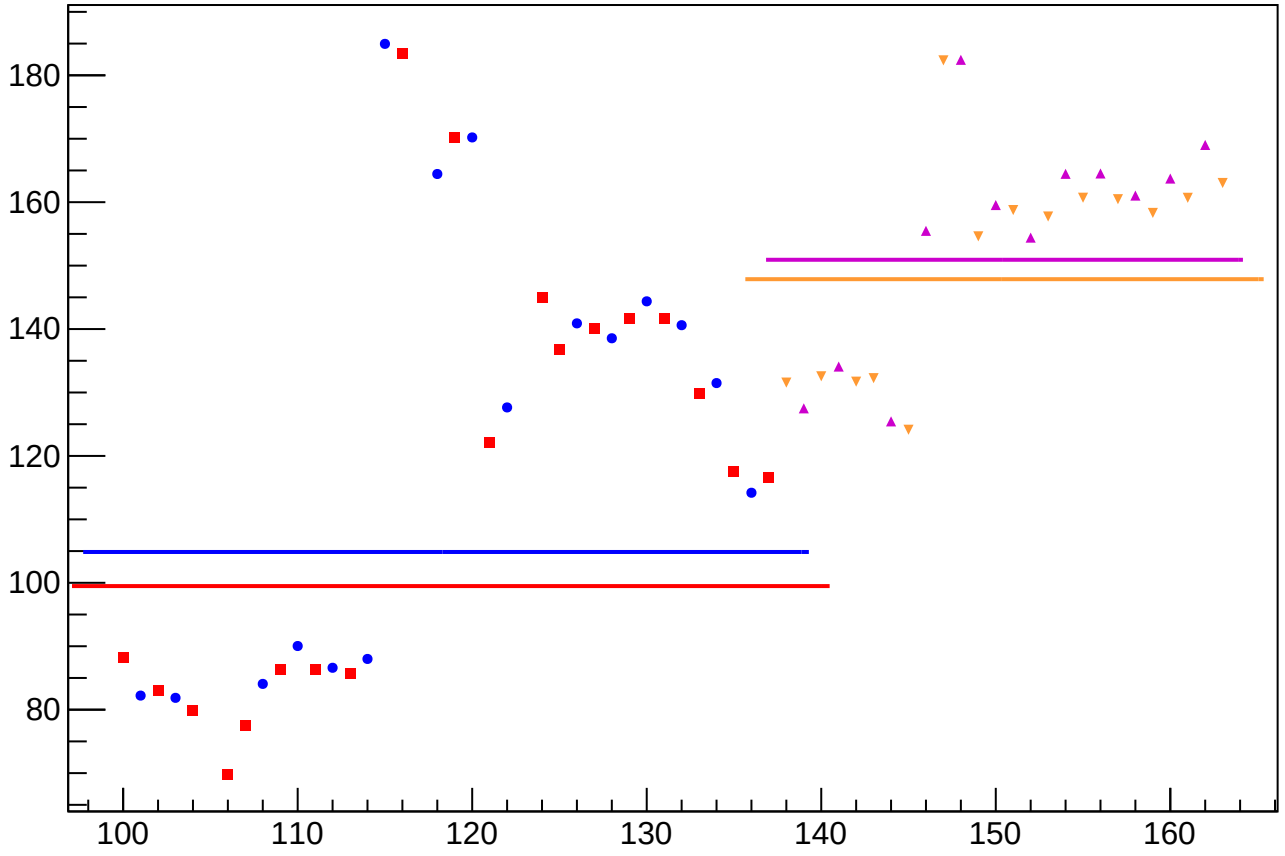
+ sign 846.262+/-0.145 χ^2/NDF: 2649961.8/29

All: 822.897+/-0.101 χ^2/NDF: 5644457.3/60

- sign 800.855+/-0.141 χ^2/NDF: 2944149.6/30


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 174.856+/-44.456 χ²/NDF:19.3/13
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -164.786+/-47.240 χ²/NDF:9.4/11
+ sign 82.715+/-29.879 χ²/NDF: 45.9/29
All: -15.773+/-21.016 χ²/NDF: 95.6/60
- sign -112.206+/-29.566 χ²/NDF: 28.2/30

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

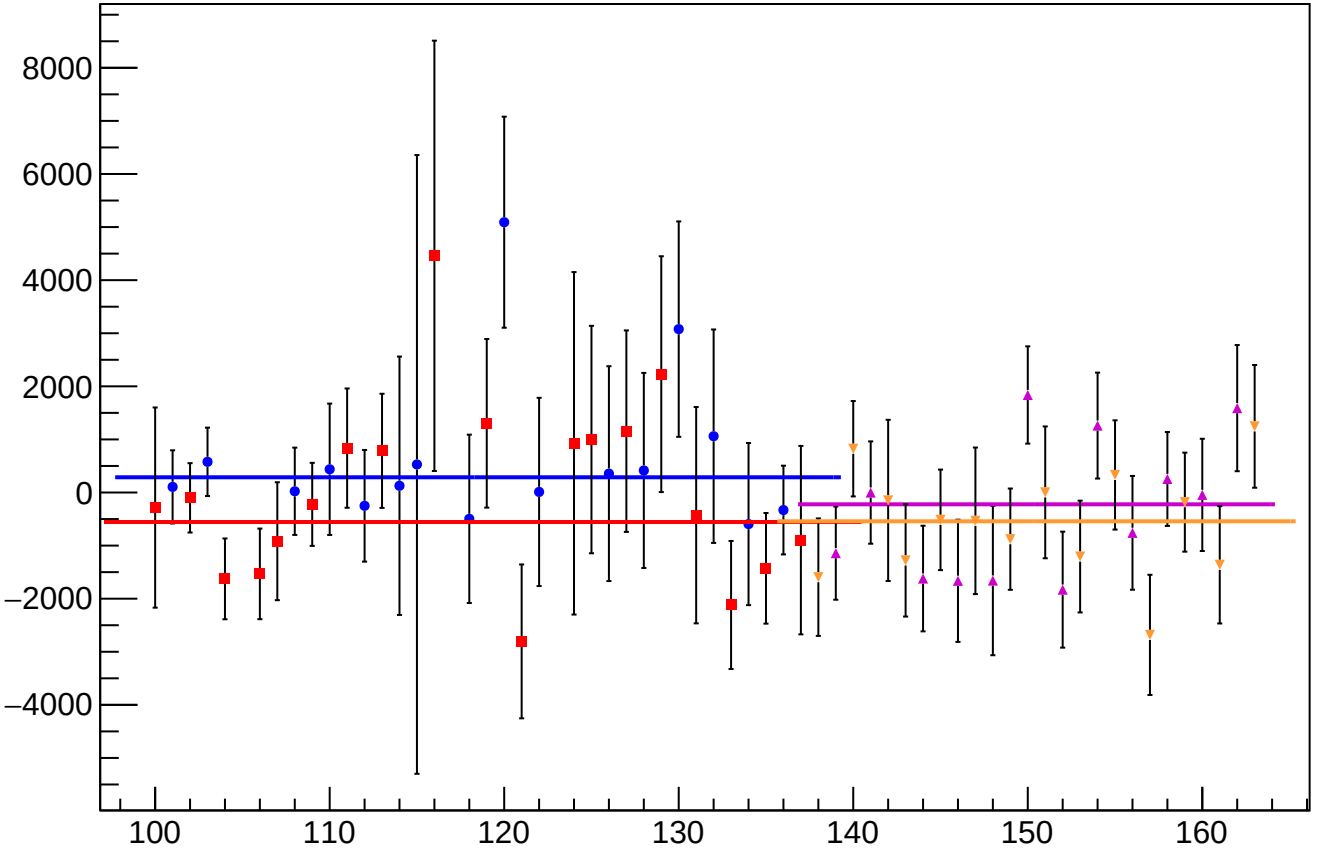
Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

+ sign 124.285+/-0.021 χ^2/NDF: 2228723.3/29

All: 121.934+/-0.015 χ^2/NDF: 5012306.1/60

- sign 119.632+/-0.021 χ^2/NDF: 2759078.8/30

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

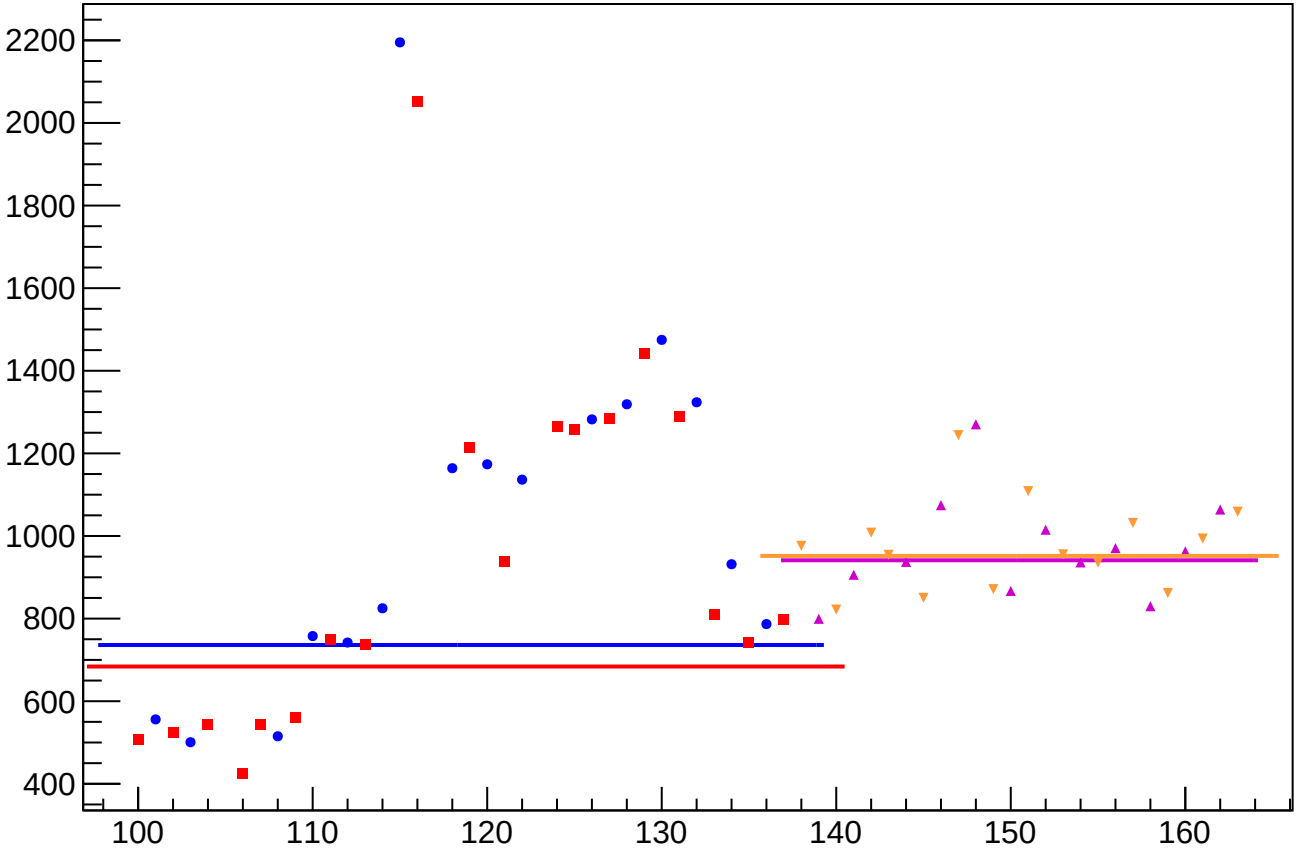
Left In: -222.265+/-295.783 χ^2/NDF:18.1/11

+ sign -136.434+/-205.293 χ^2/NDF: 25.6/29

All: -274.133+/-143.033 χ^2/NDF: 63.3/60

- sign -404.030+/-199.393 χ^2/NDF: 36.8/30

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

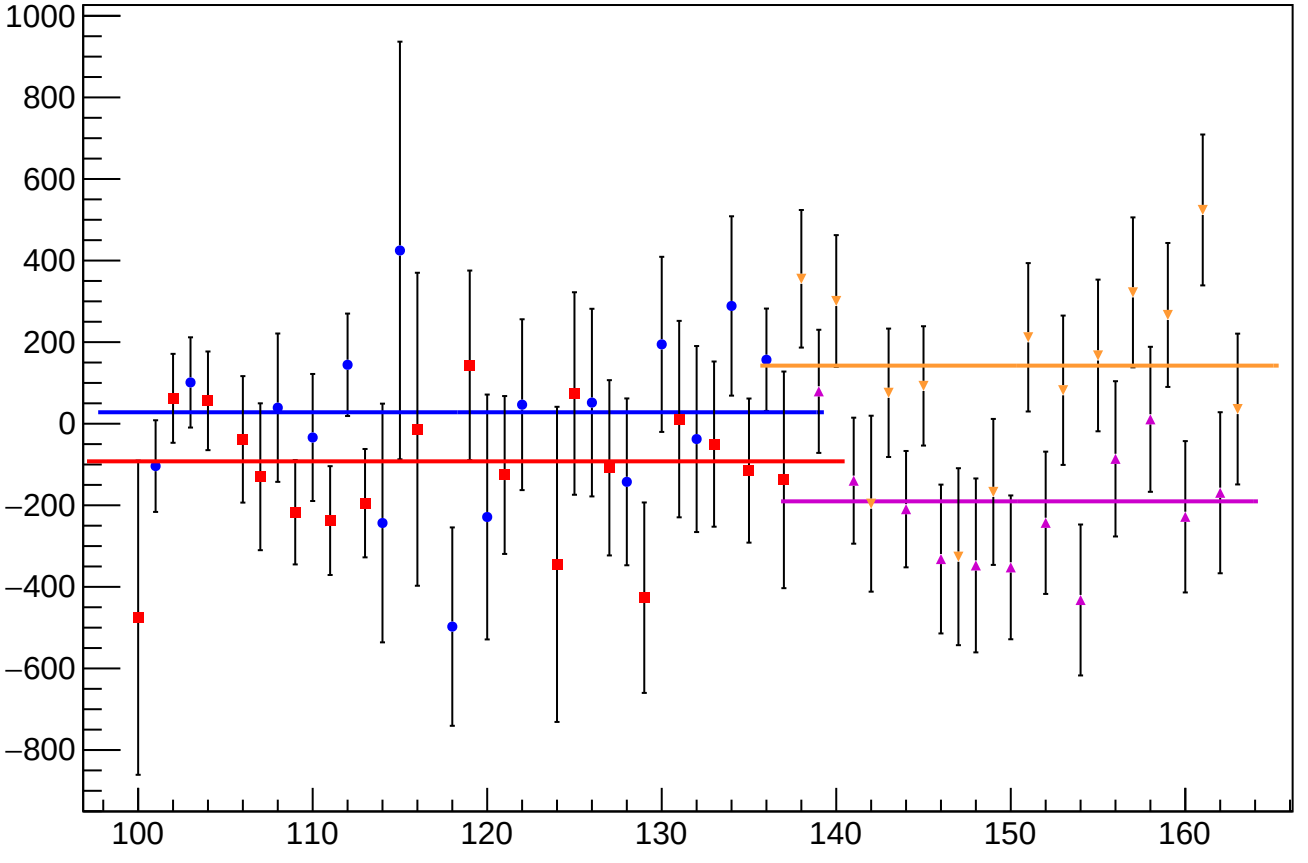
Left In: 941.166+/-0.209 χ^2/NDF:268815.1/11

+ sign 846.262+/-0.145 χ^2/NDF: 2649961.8/29

All: 822.897+/-0.101 χ^2/NDF: 5644457.3/60

- sign 800.855+/-0.141 χ^2/NDF: 2944149.6/30

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

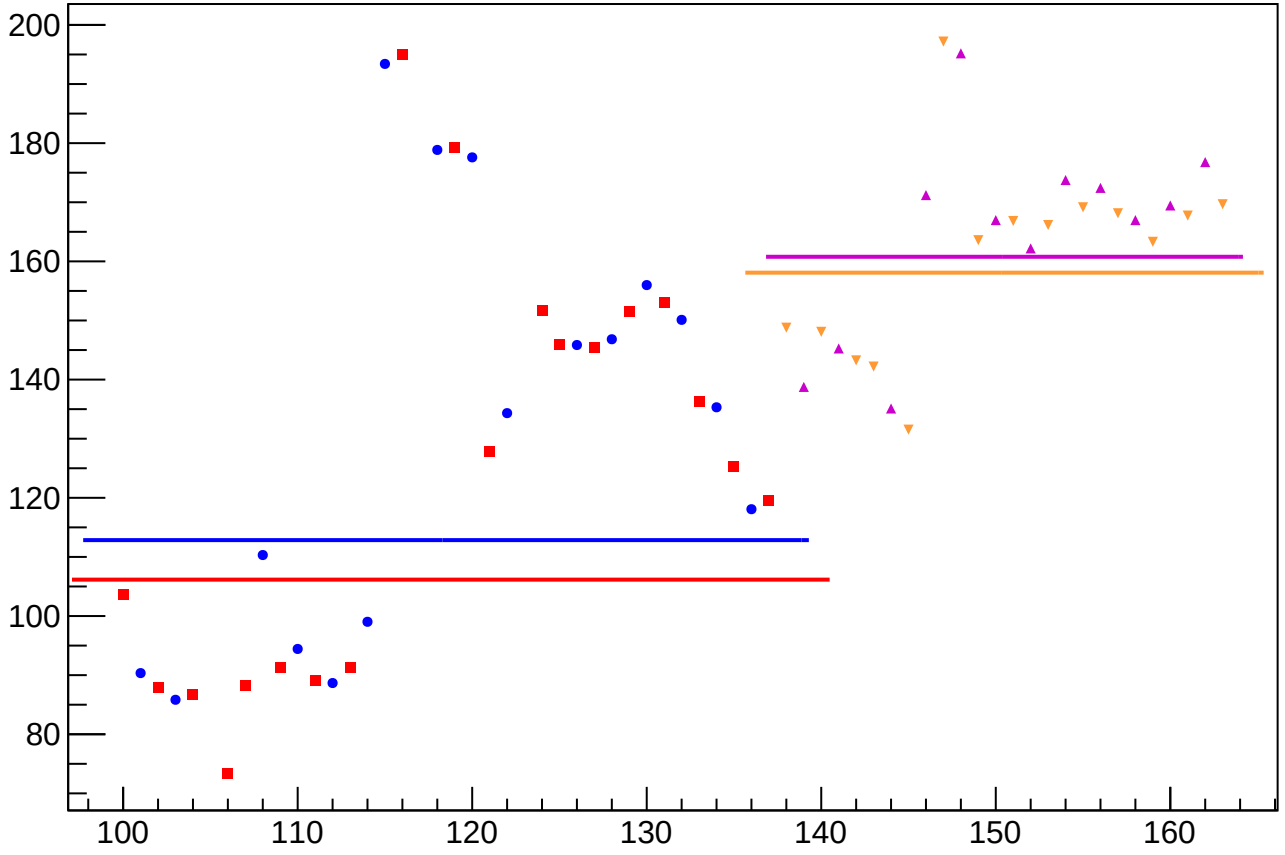
Left In: -190.324+/-50.303 χ^2/NDF:8.7/11

+ sign 80.201+/-32.047 χ^2/NDF: 36.0/29

All: -26.933+/-22.488 χ^2/NDF: 80.8/60

- sign -130.863+/-31.565 χ^2/NDF: 22.7/30

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.6/13

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

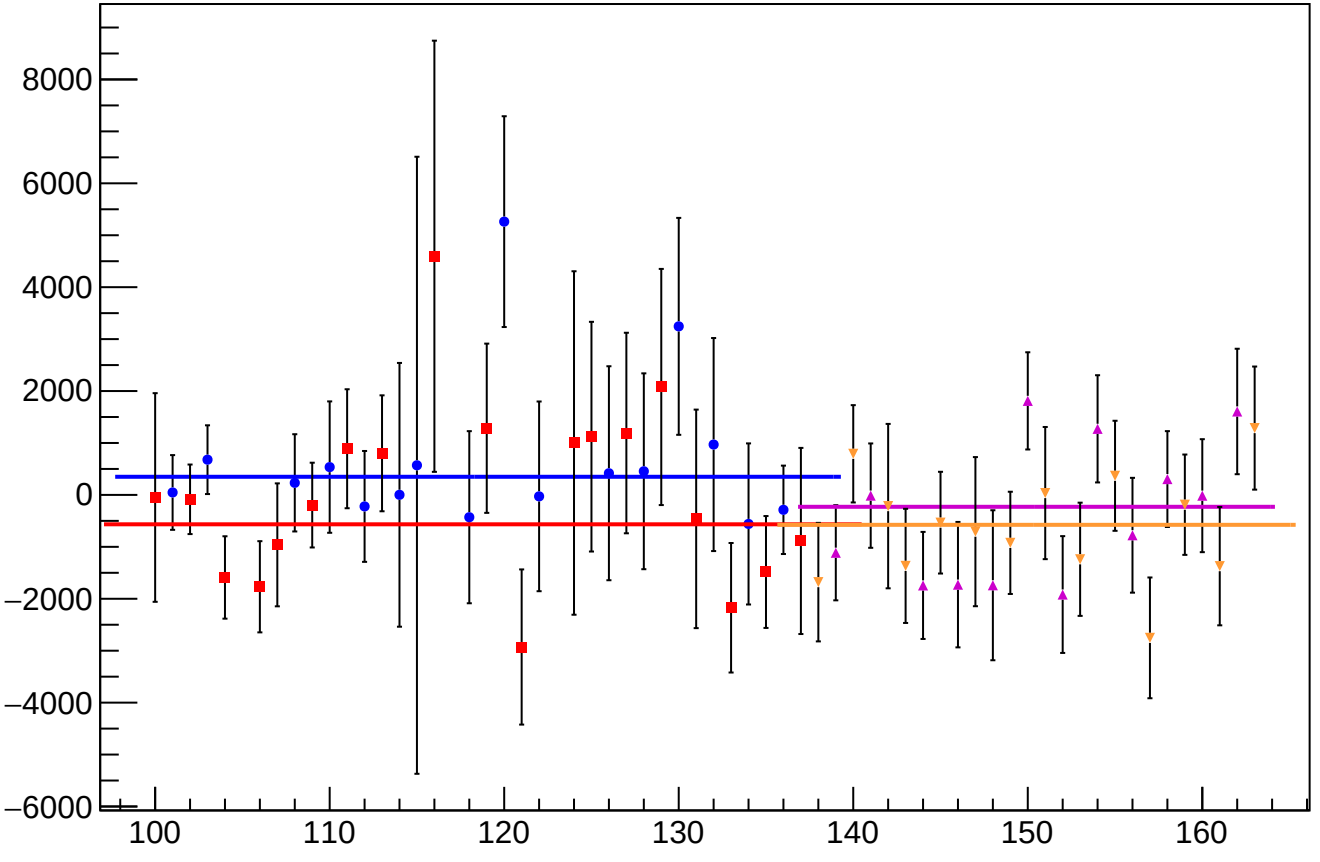
Left In: 160.778+/-0.036 χ^2/NDF:226057.5/11

+ sign 133.463+/-0.023 χ^2/NDF: 2074088.2/29

All: 130.519+/-0.016 χ^2/NDF: 4765019.7/60

- sign 127.664+/-0.022 χ^2/NDF: 2657698.4/30

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

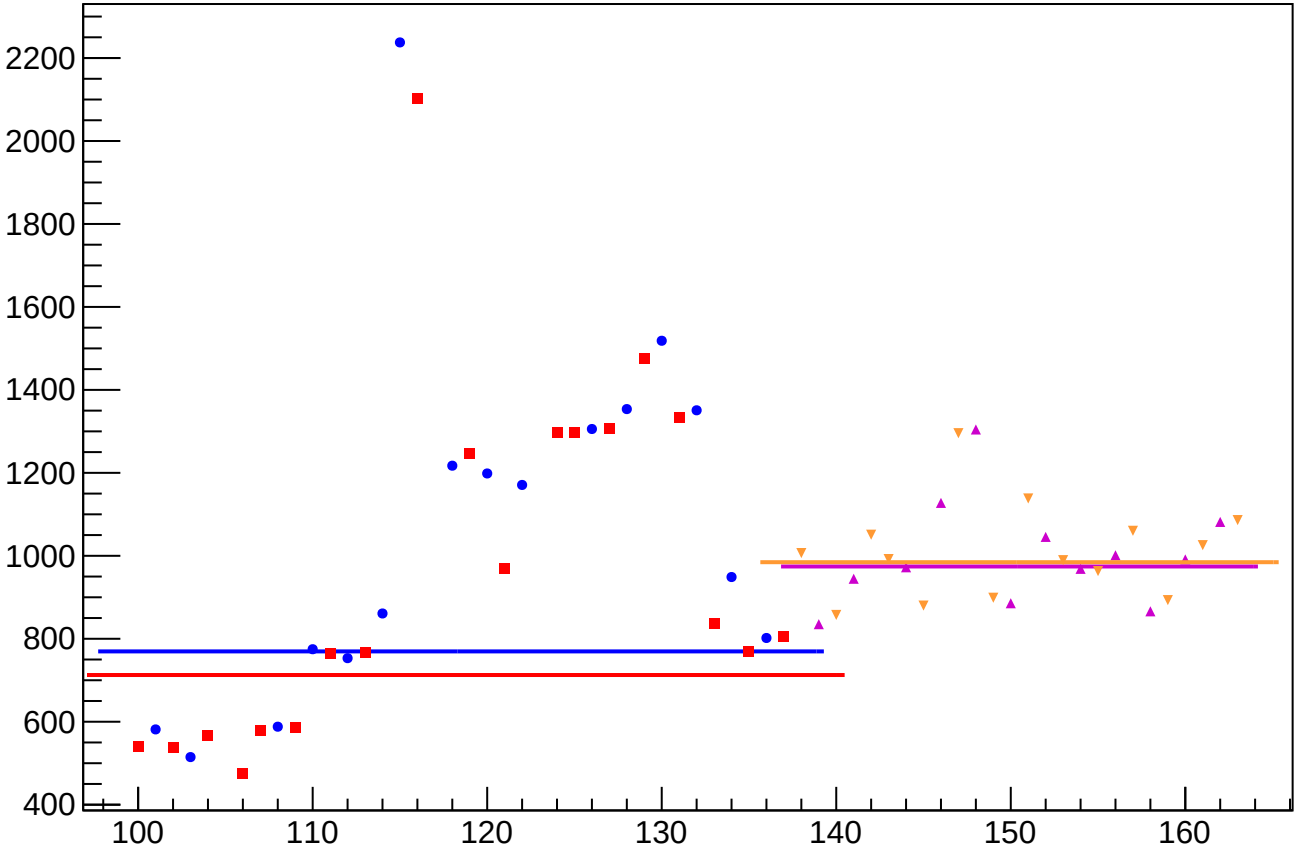
Left In: -228.968+/-305.979 χ^2/NDF:17.8/11

+ sign -126.315+/-212.891 χ^2/NDF: 26.3/29

All: -274.135+/-148.133 χ^2/NDF: 64.0/60

- sign -412.879+/-206.251 χ^2/NDF: 36.8/30

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 984.611+/-0.210 χ^2/NDF:246619.8/13

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

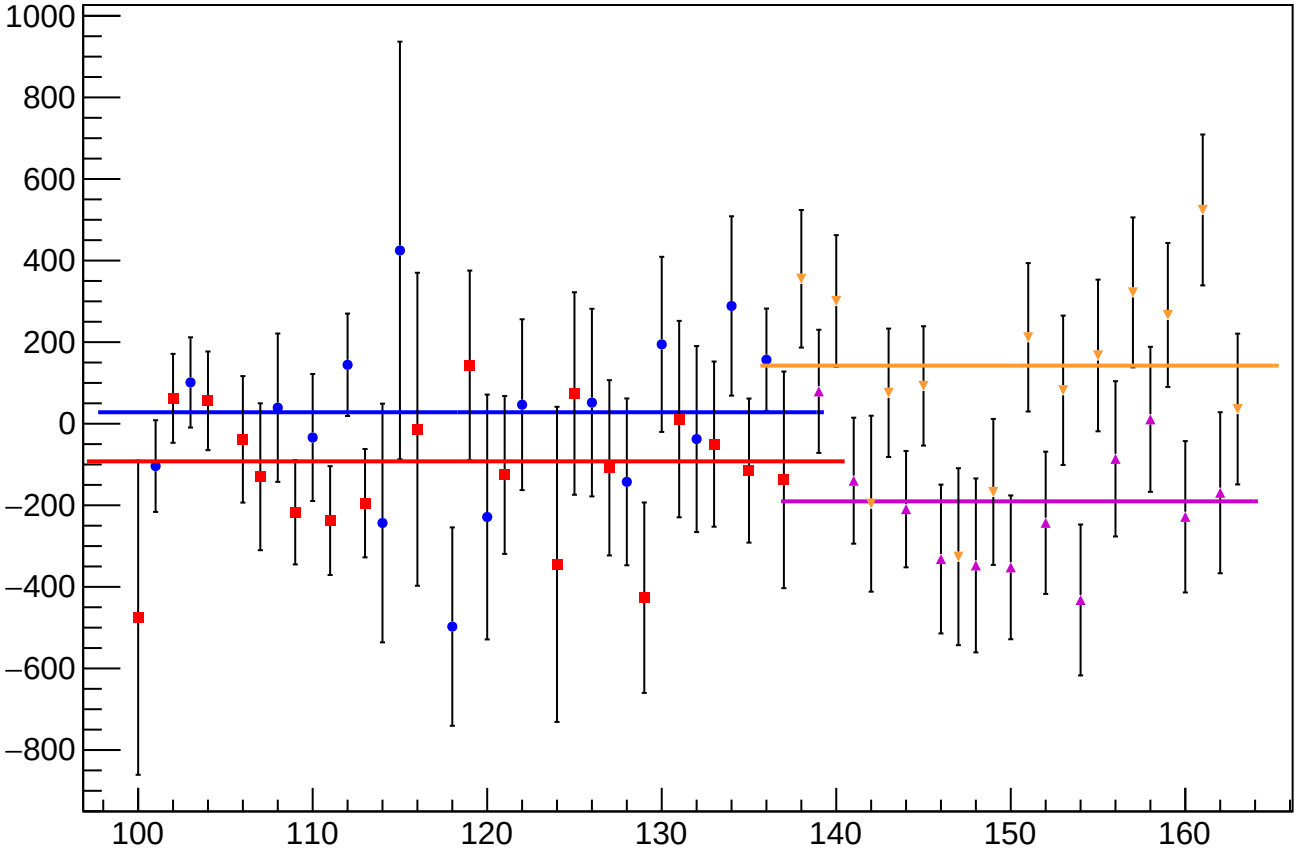
Left In: 974.284+/-0.216 χ^2/NDF:255674.5/11

+ sign 880.060+/-0.151 χ^2/NDF: 2496375.6/29

All: 855.019+/-0.105 χ^2/NDF: 5370924.1/60

- sign 831.516+/-0.146 χ^2/NDF: 2820906.1/30

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

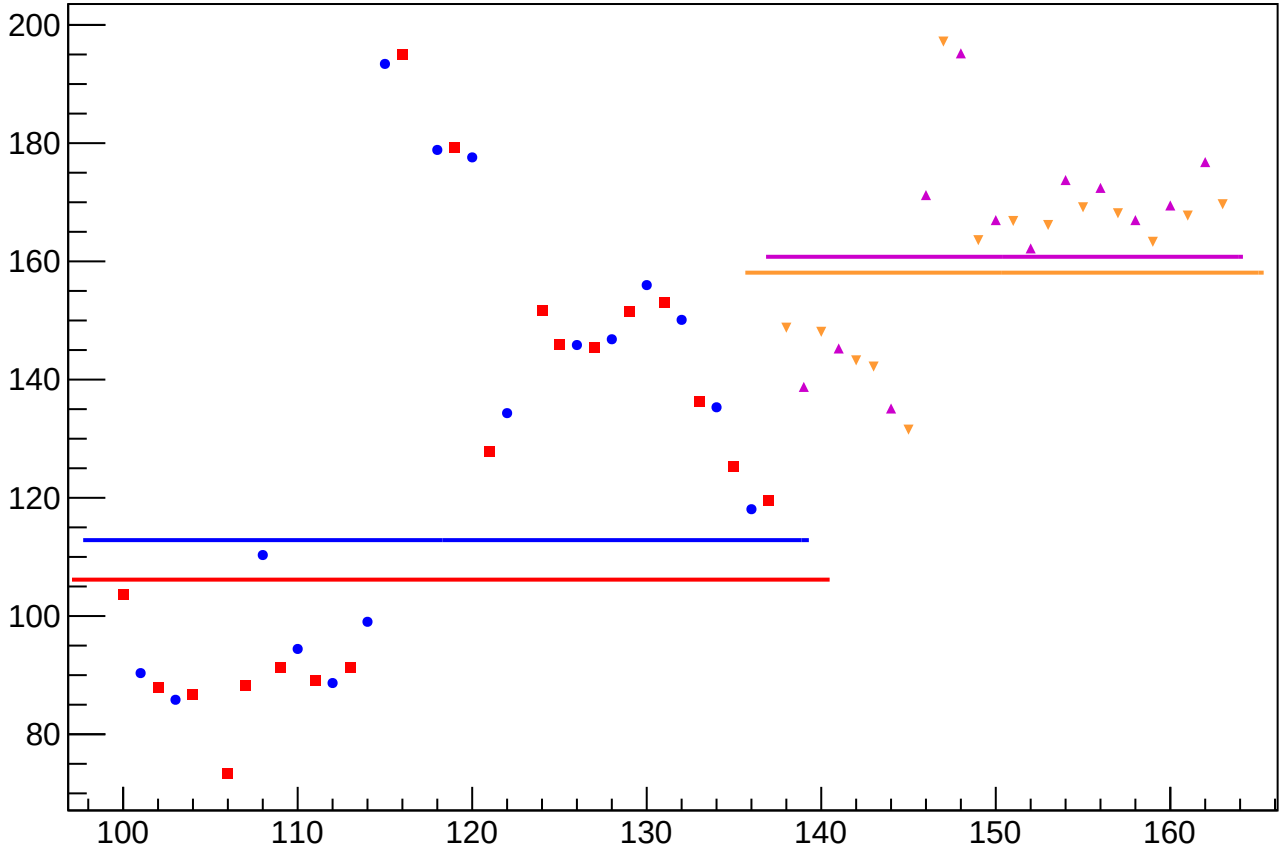
Left In: -190.325+/-50.304 χ^2/NDF:8.7/11

+ sign 80.200+/-32.047 χ^2/NDF: 36.0/29

All: -26.934+/-22.488 χ^2/NDF: 80.8/60

- sign -130.864+/-31.565 χ^2/NDF: 22.7/30

eigen_dit_asym_sam5_rms vs Slug



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.9/13

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

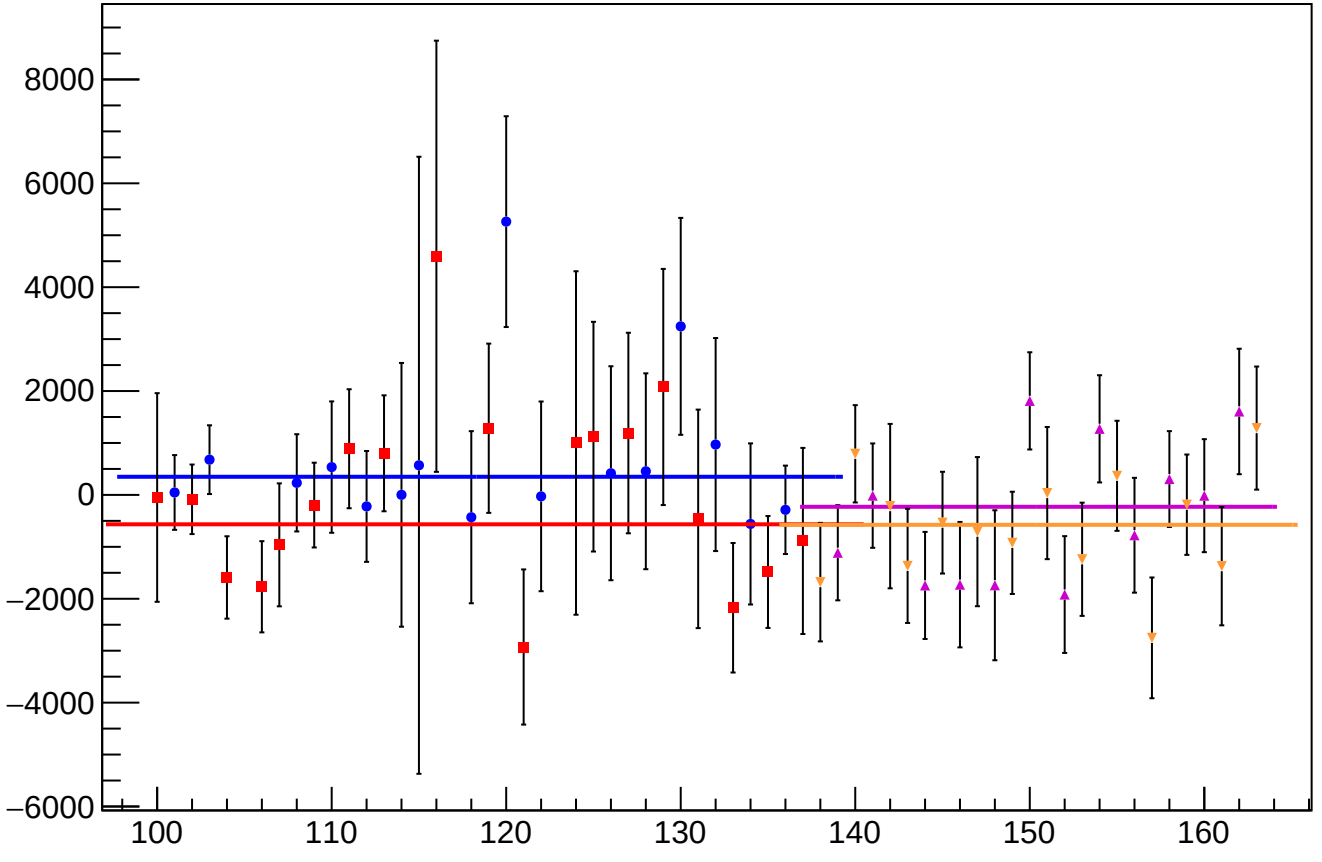
Left In: 160.778+/-0.036 χ^2/NDF:226053.0/11

+ sign 133.462+/-0.023 χ^2/NDF: 2074104.6/29

All: 130.519+/-0.016 χ^2/NDF: 4765045.6/60

- sign 127.664+/-0.022 χ^2/NDF: 2657708.6/30

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

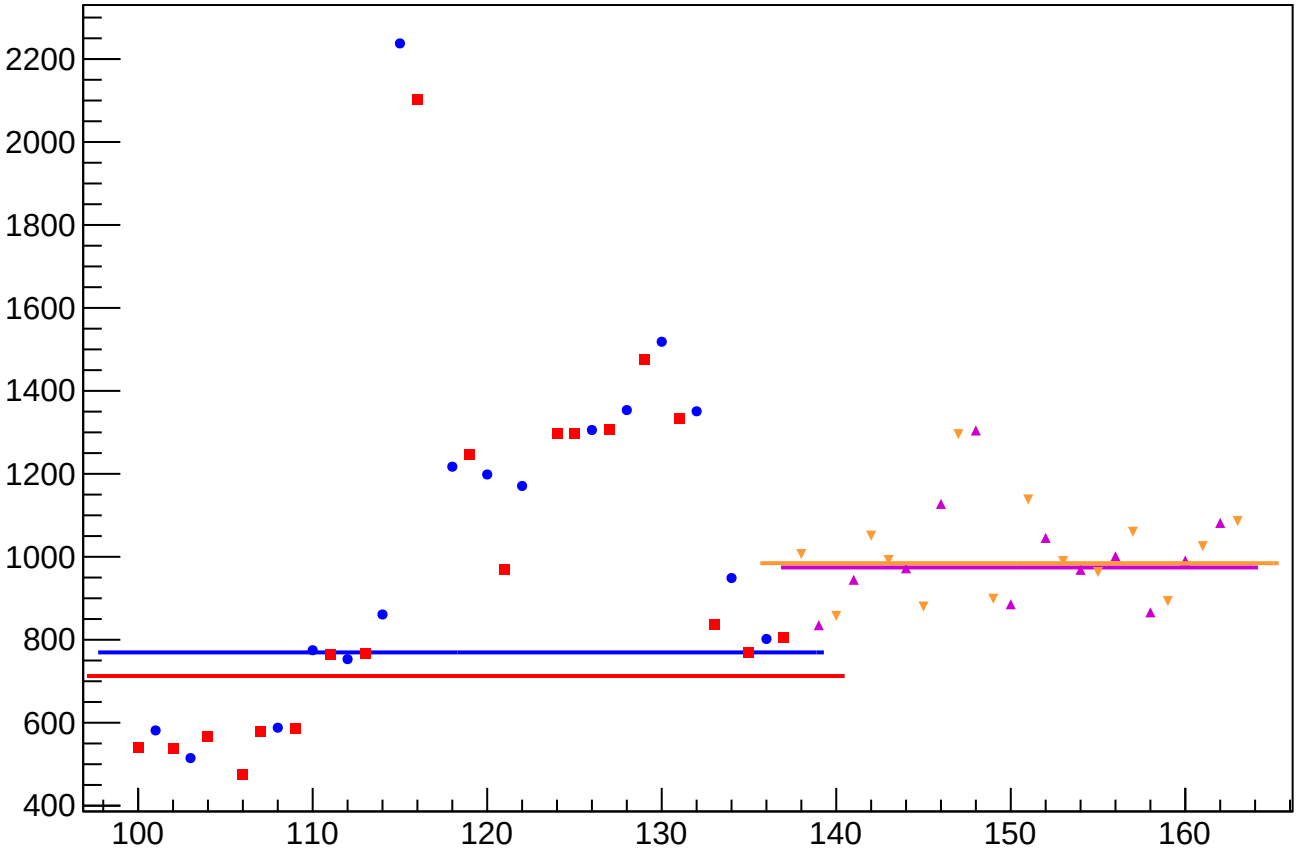
Left In: -228.969+/-305.980 χ^2/NDF:17.8/11

+ sign -126.314+/-212.891 χ^2/NDF: 26.3/29

All: -274.135+/-148.133 χ^2/NDF: 64.0/60

- sign -412.879+/-206.250 χ^2/NDF: 36.8/30

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 984.612+/-0.210 χ^2/NDF:246620.1/13

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

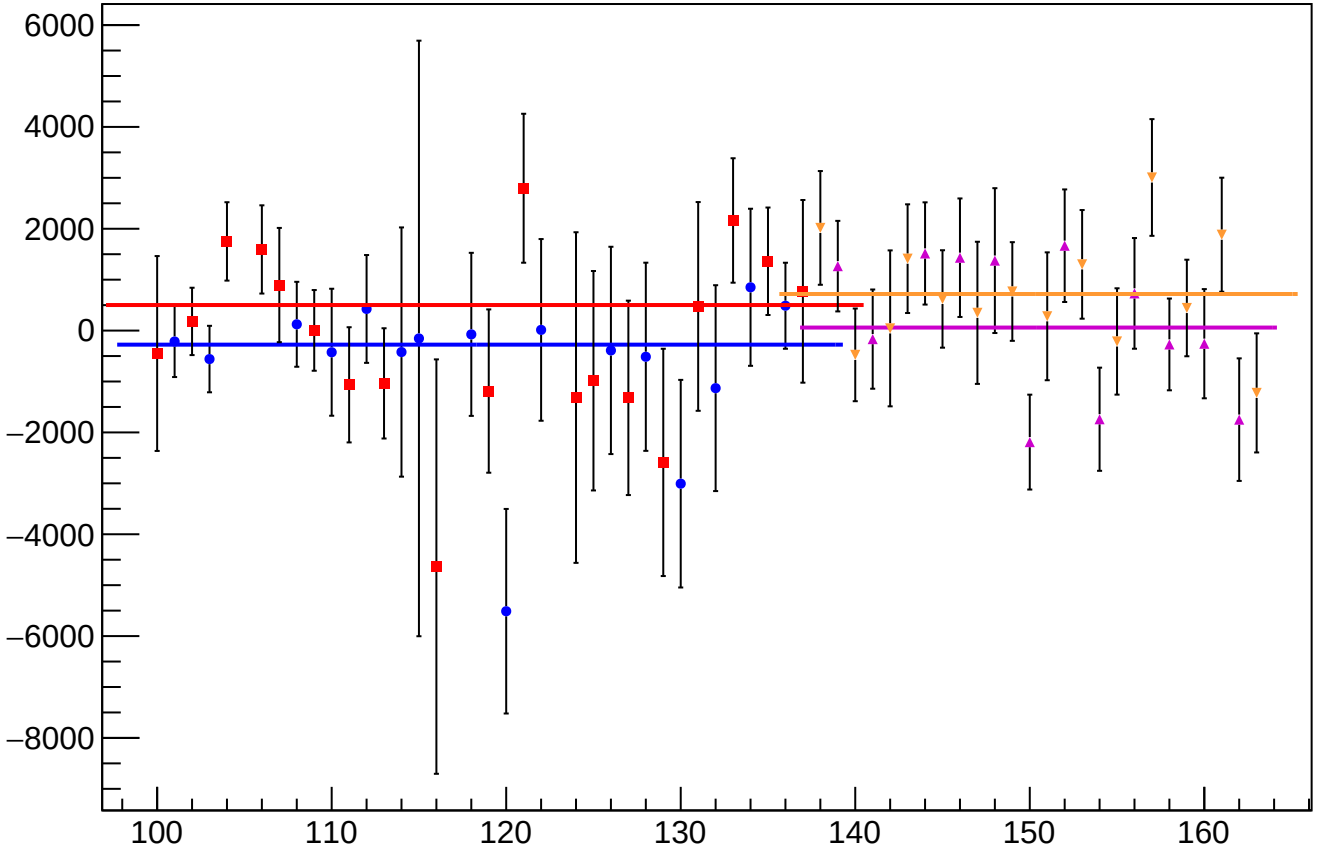
Left In: 974.285+/-0.216 χ^2/NDF:255673.8/11

+ sign 880.060+/-0.151 χ^2/NDF: 2496385.6/29

All: 855.019+/-0.105 χ^2/NDF: 5370941.8/60

- sign 831.515+/-0.146 χ^2/NDF: 2820913.3/30

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 718.484+/-290.922 χ^2/NDF:12.9/13

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

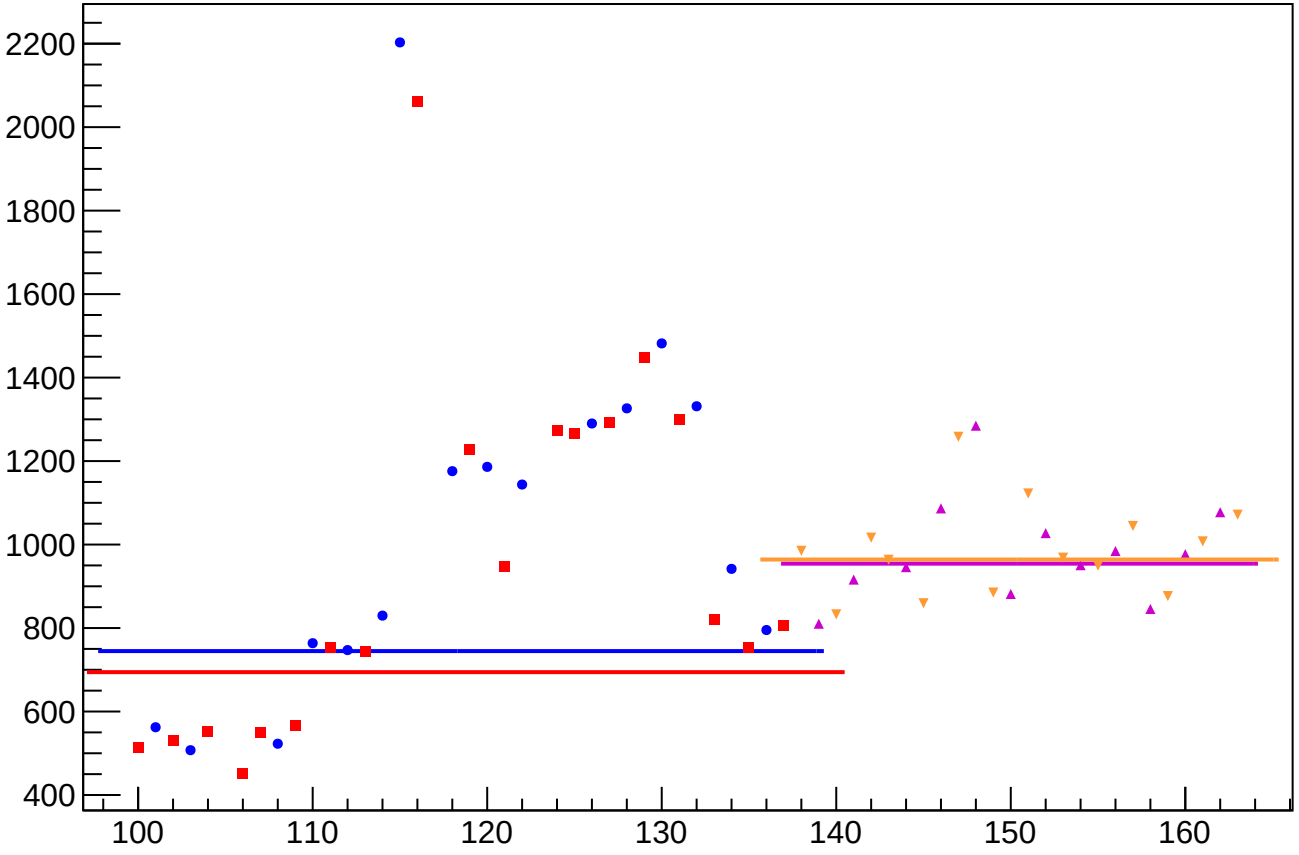
Left In: 59.359+/-299.808 χ^2/NDF:20.2/11

+ sign 230.935+/-207.729 χ^2/NDF: 29.7/29

All: 267.153+/-144.763 χ^2/NDF: 71.6/60

- sign 301.349+/-201.850 χ^2/NDF: 41.9/30

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 964.157+/-0.206 χ^2/NDF:249800.0/13

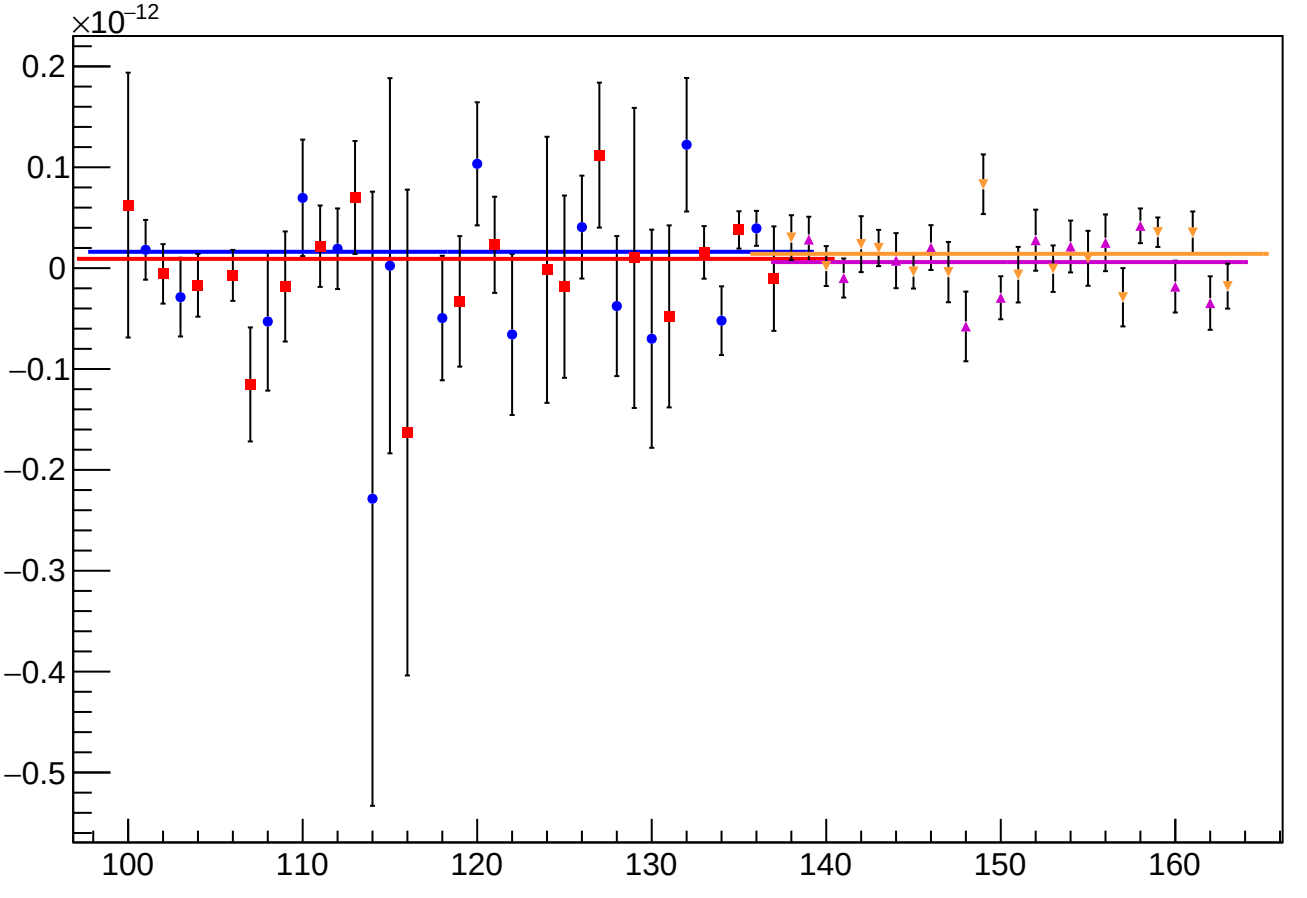
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 954.270+/-0.212 χ^2/NDF:262836.1/11

+ sign 856.629+/-0.147 χ^2/NDF: 2629769.1/29

All: 833.760+/-0.102 χ^2/NDF: 5565324.2/60

- sign 812.167+/-0.143 χ^2/NDF: 2888426.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/13

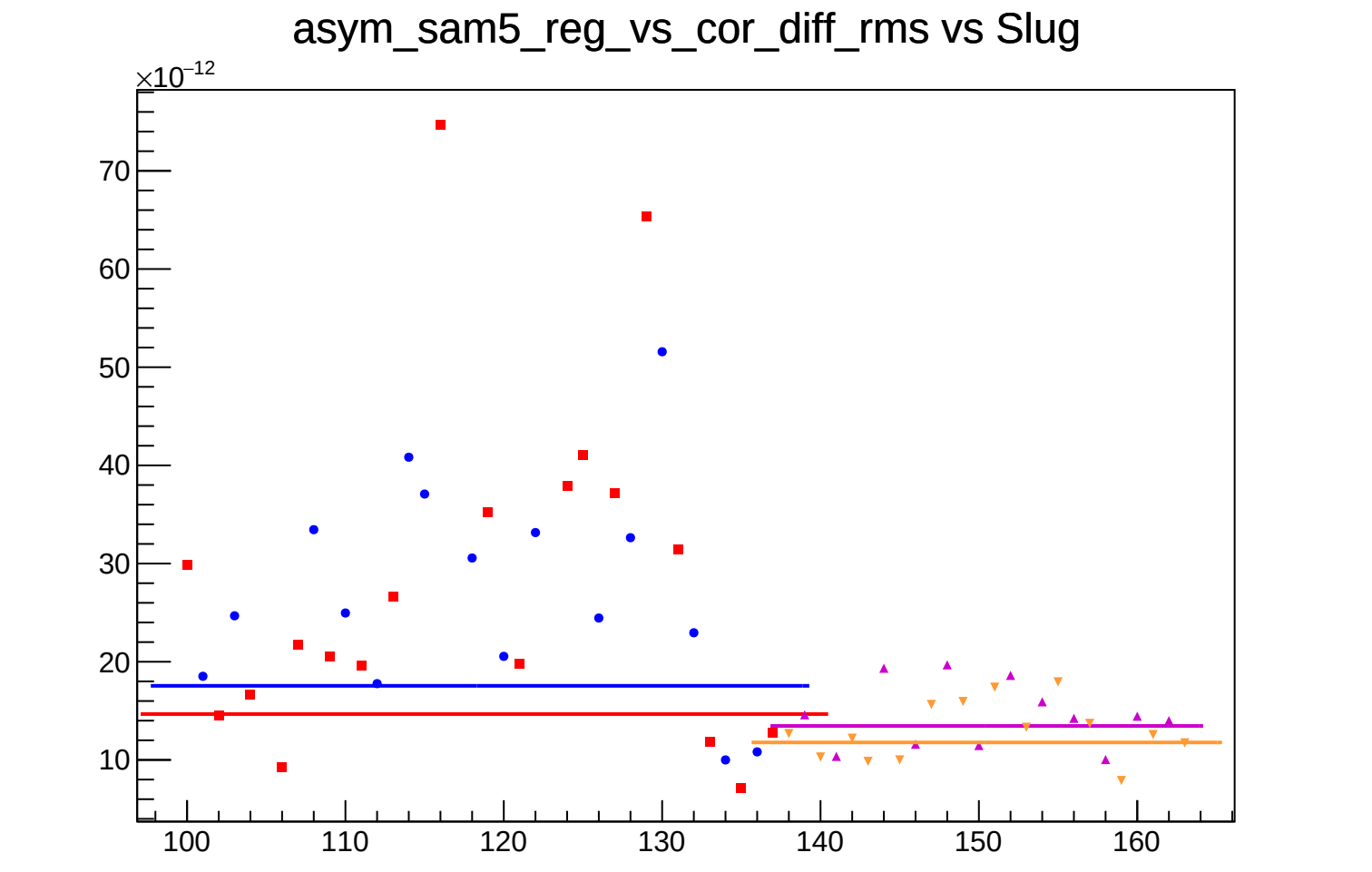
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/29

All: 0.000+/-0.000 χ^2/NDF: 66.8/60

- sign 0.000+/-0.000 χ^2/NDF: 31.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:481383.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

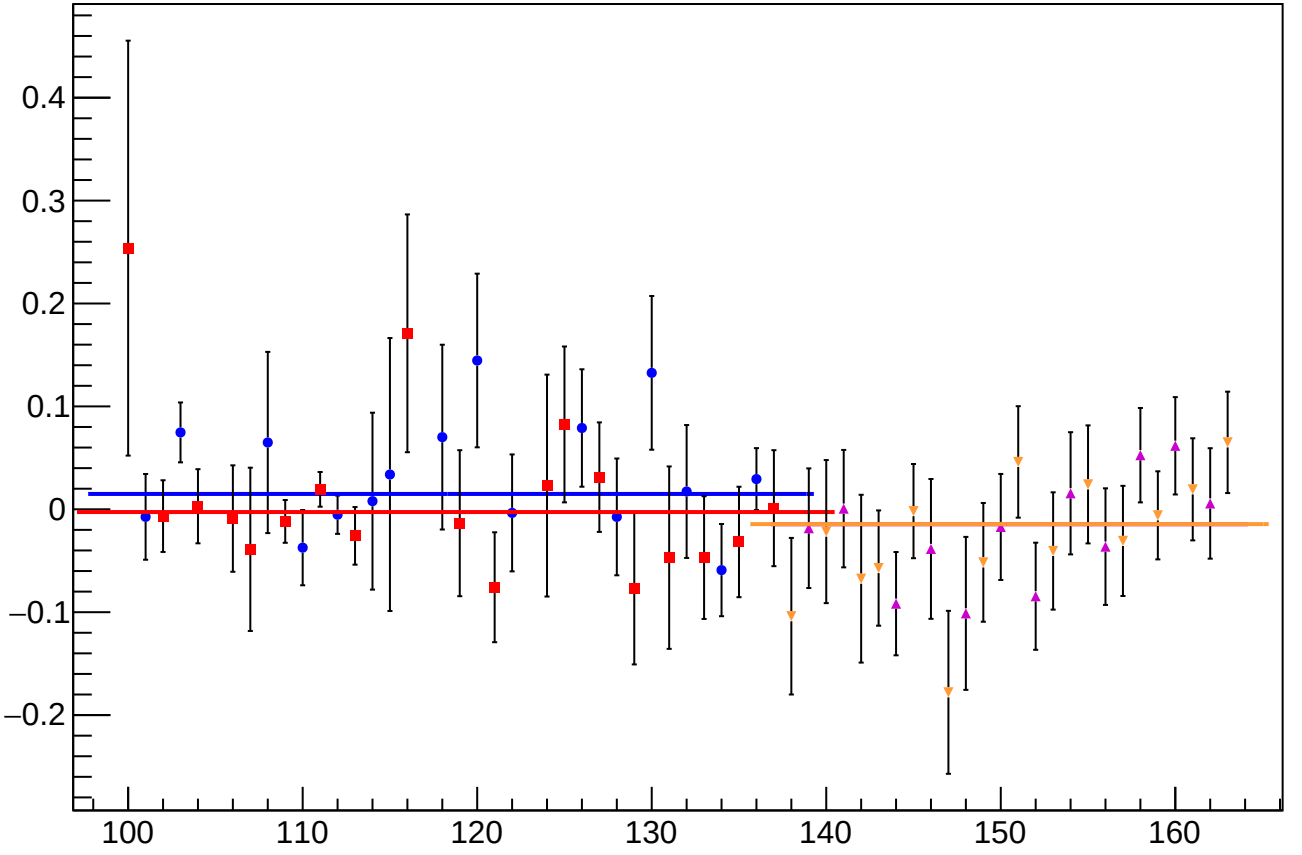
Left In: 0.000+/-0.000 χ^2/NDF:406123.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 2087416.5/29

All: 0.000+/-0.000 χ^2/NDF: 4278407.1/60

- sign 0.000+/-0.000 χ^2/NDF: 2169445.0/30

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

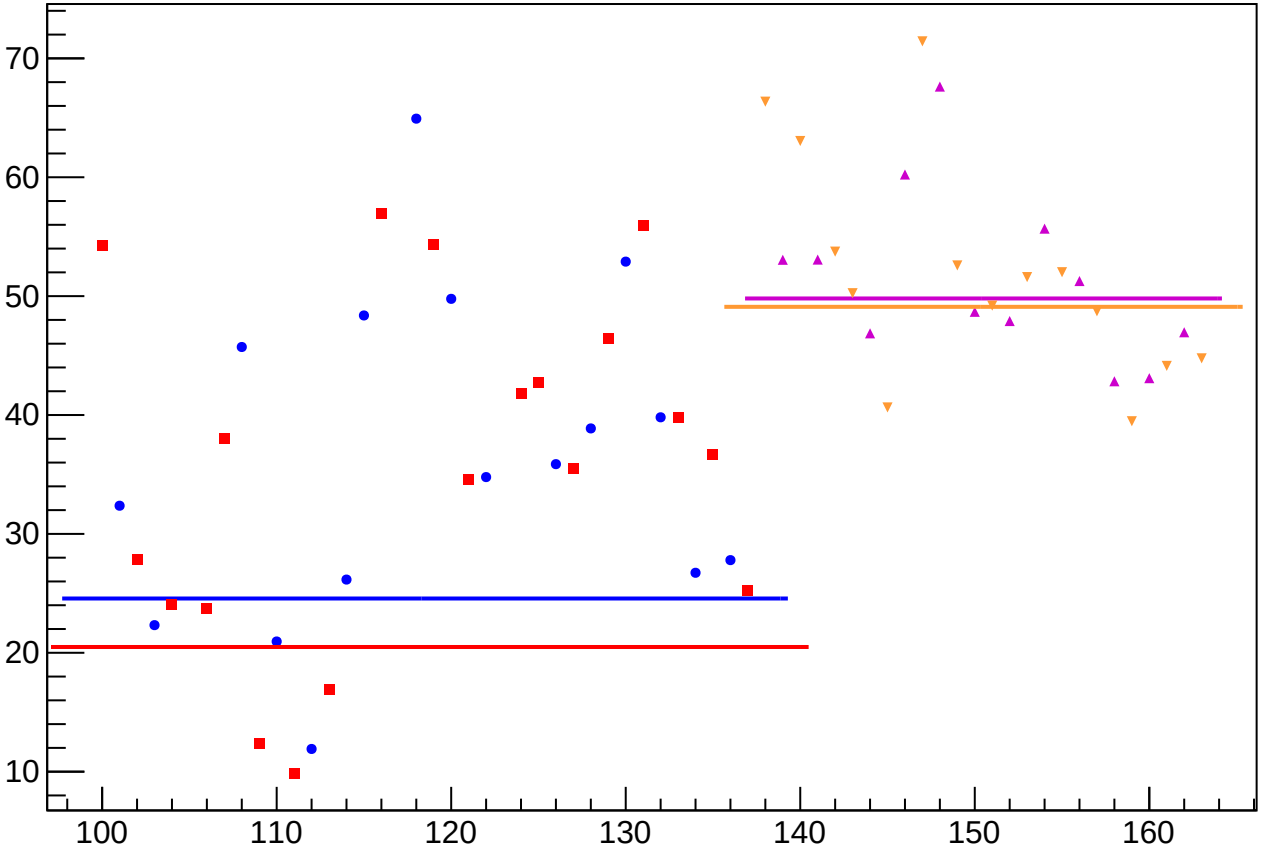
Left In: -0.015+/-0.016 χ^2/NDF:11.0/11

+ sign 0.005+/-0.009 χ^2/NDF: 32.6/29

All: -0.001+/-0.006 χ^2/NDF: 57.3/60

- sign -0.006+/-0.008 χ^2/NDF: 23.9/30

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

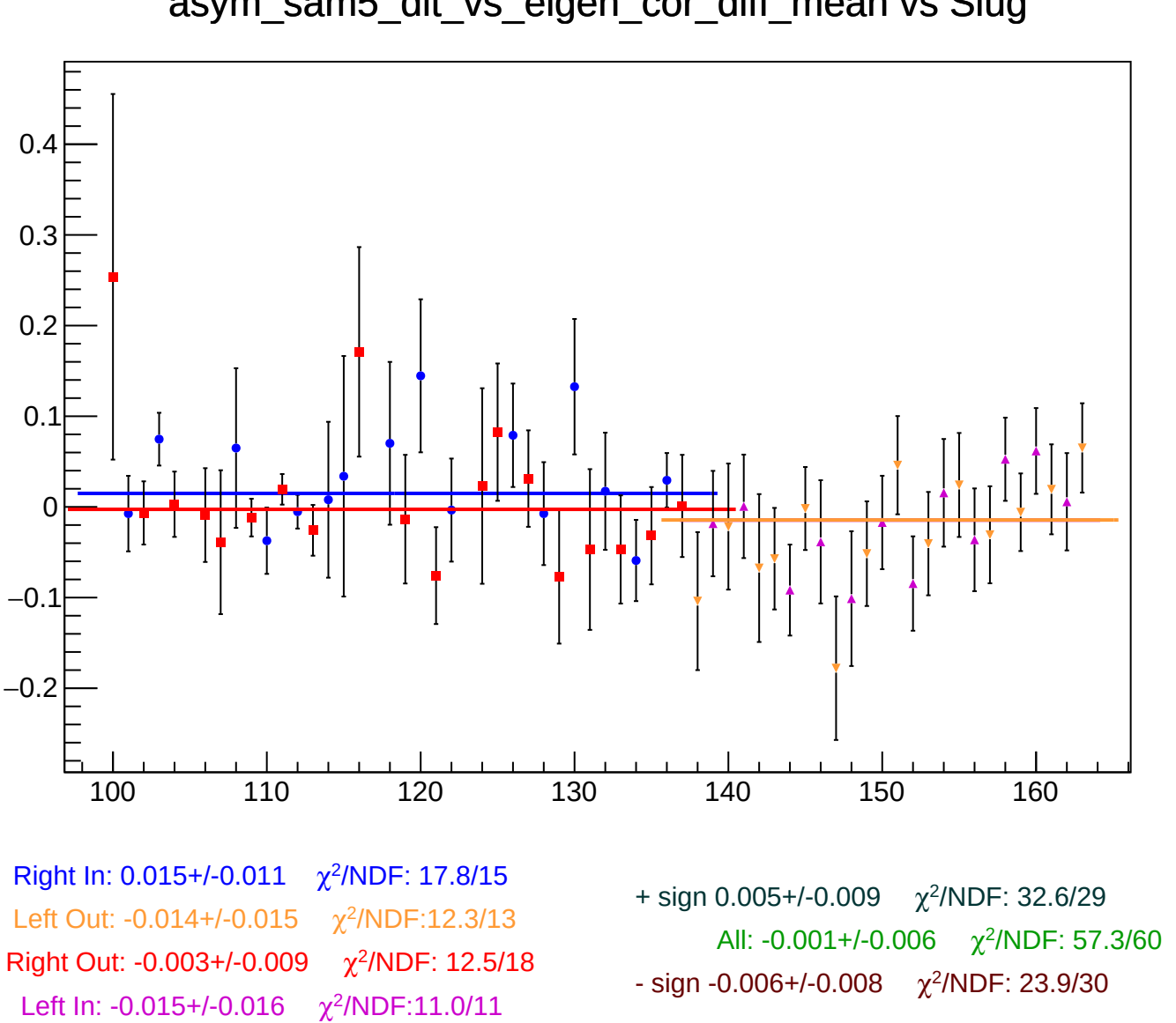
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.804+/-0.011 χ^2/NDF:298144.6/11

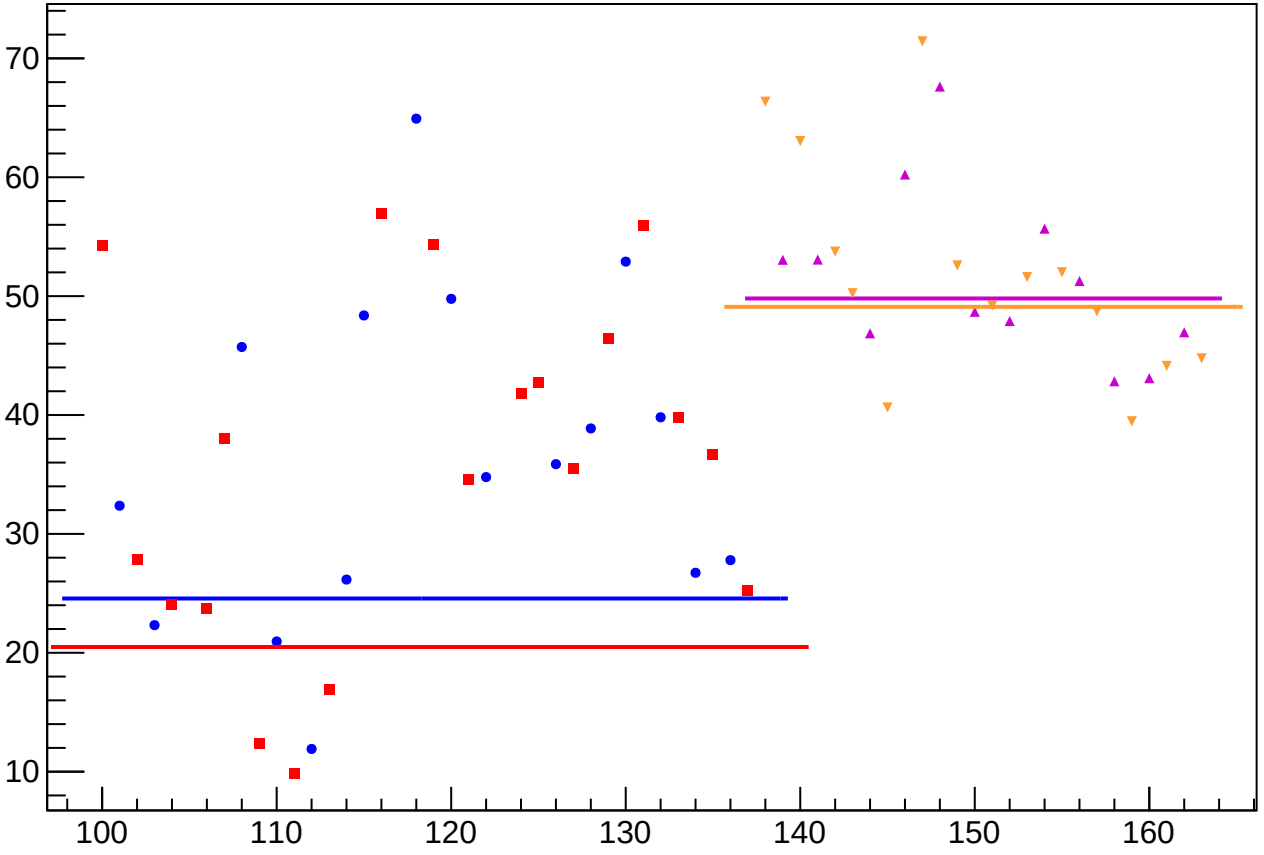
+ sign 32.733+/-0.006 χ^2/NDF: 6631032.4/29

All: 30.143+/-0.004 χ^2/NDF: 15981225.5/60

- sign 27.945+/-0.006 χ^2/NDF: 9018477.9/30


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
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.015+/-0.016 χ²/NDF:11.0/11
+ sign 0.005+/-0.009 χ²/NDF: 32.6/29
All: -0.001+/-0.006 χ²/NDF: 57.3/60
- sign -0.006+/-0.008 χ²/NDF: 23.9/30

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

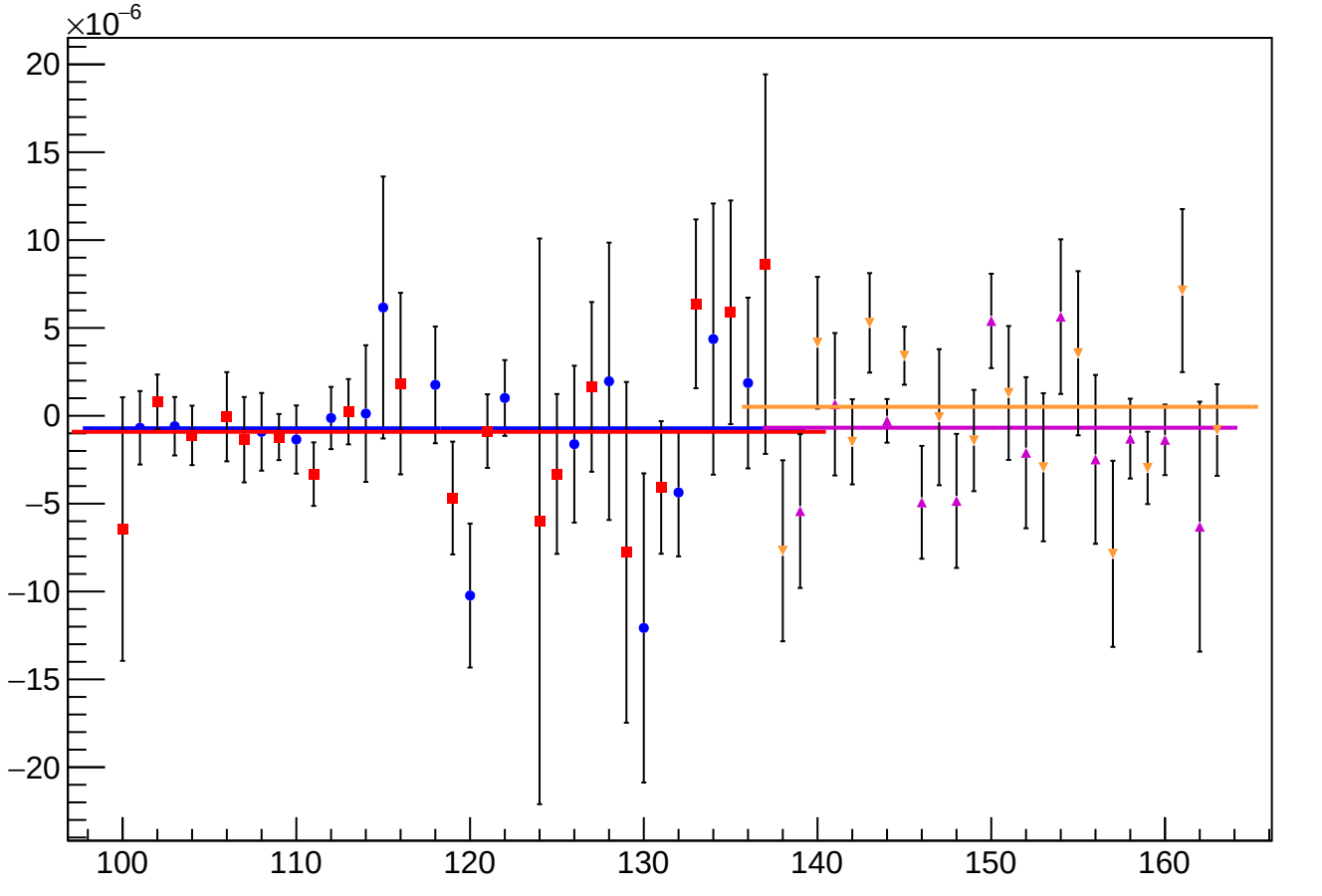
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.804+/-0.011 χ^2/NDF:298144.6/11

+ sign 32.733+/-0.006 χ^2/NDF: 6631032.4/29

All: 30.143+/-0.004 χ^2/NDF: 15981225.5/60

- sign 27.945+/-0.006 χ^2/NDF: 9018477.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

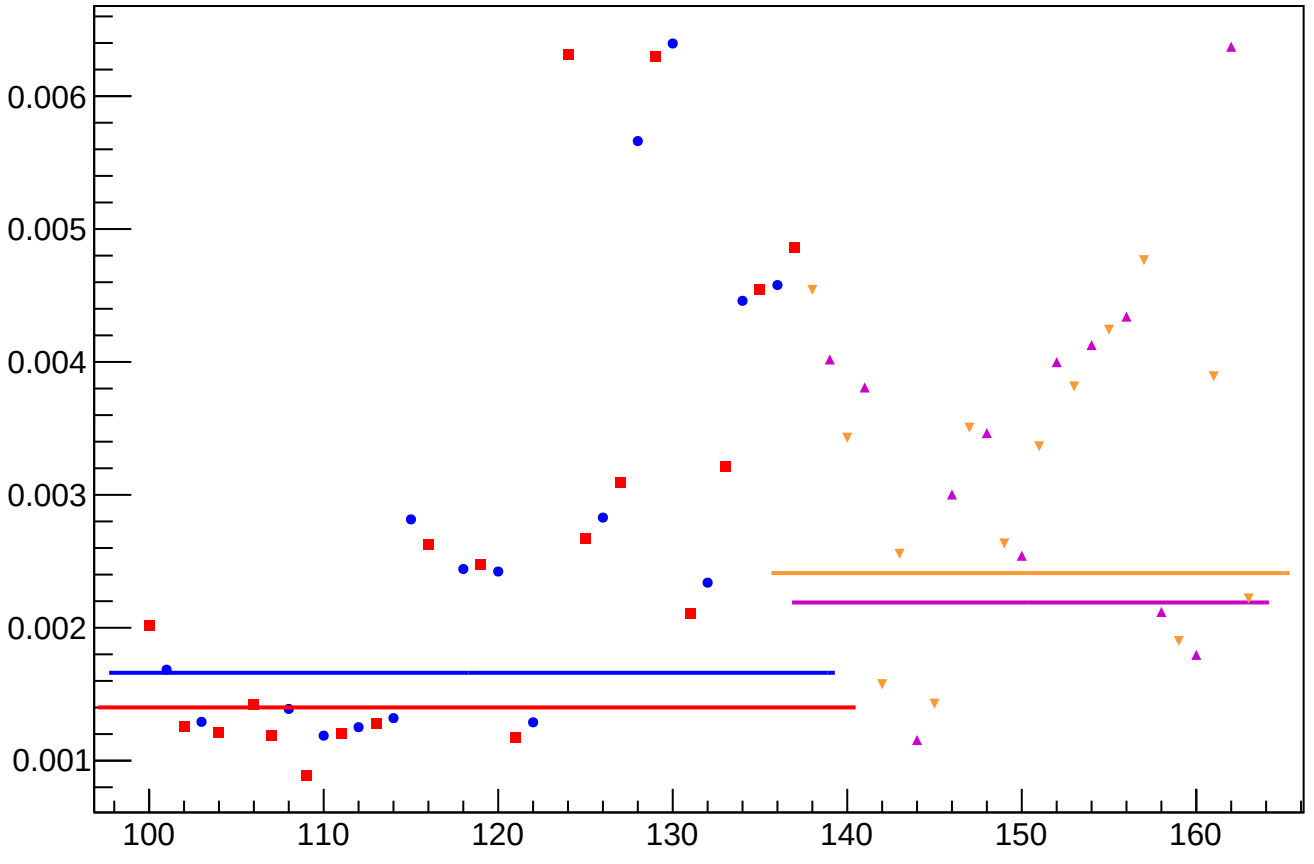
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 31.9/29

All: -0.000+/-0.000 χ^2/NDF: 57.3/60

- sign -0.000+/-0.000 χ^2/NDF: 24.5/30



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3002485.2/13

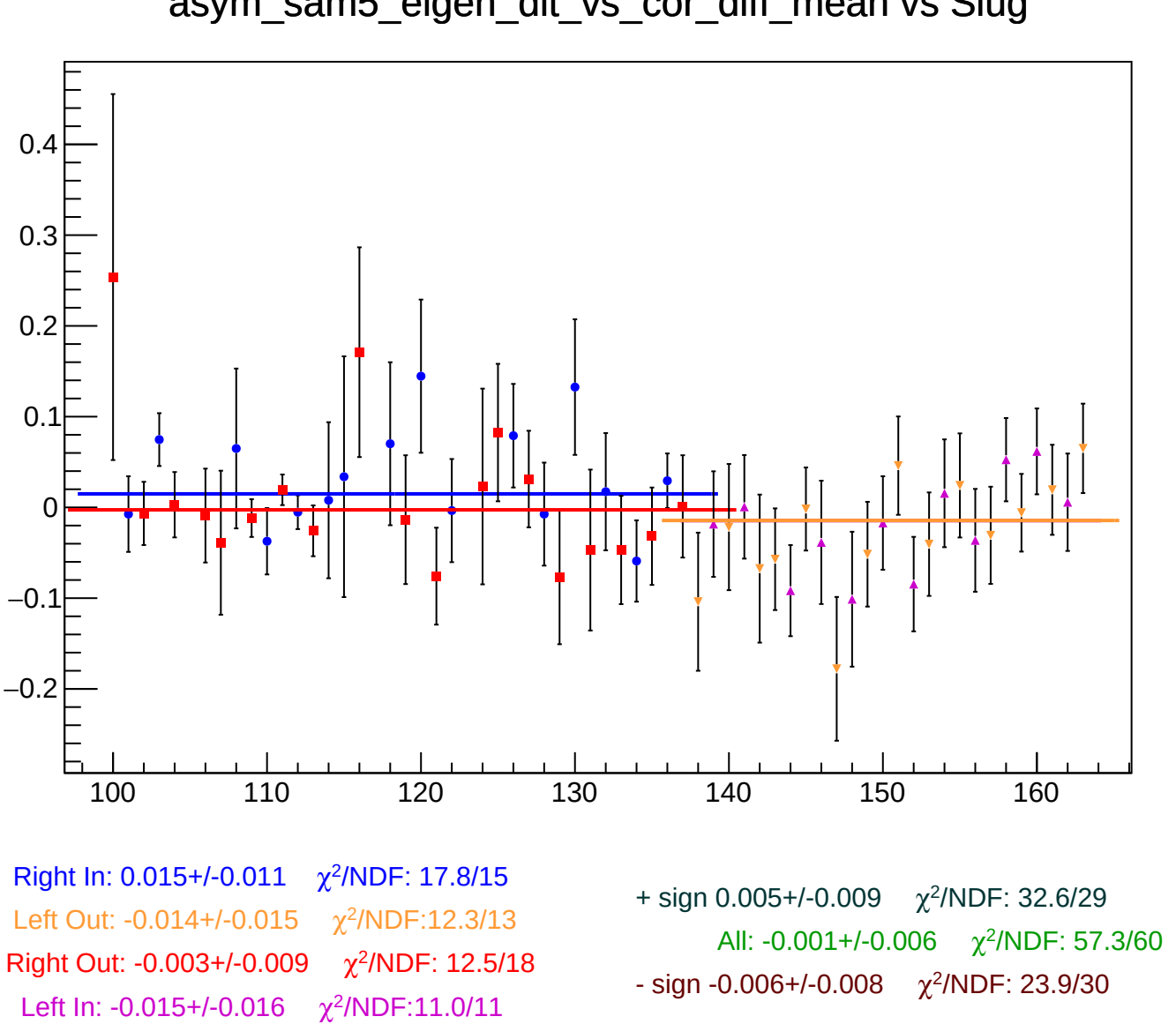
Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4355063.9/11

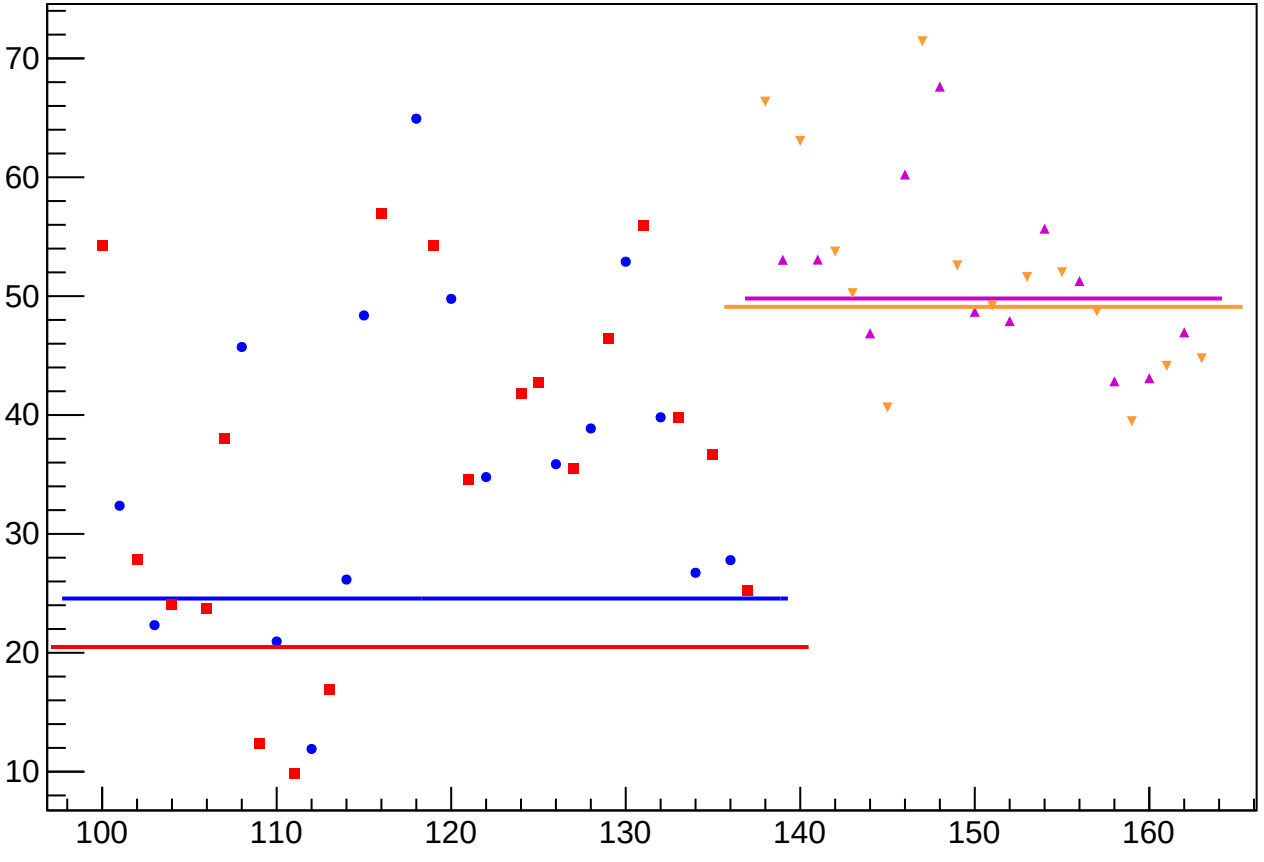
+ sign 0.002+/-0.000 χ^2/NDF: 6952573.6/29

All: 0.002+/-0.000 χ^2/NDF: 15912220.8/60

- sign 0.002+/-0.000 χ^2/NDF: 8595044.4/30


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
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.015+/-0.016 χ²/NDF:11.0/11
+ sign 0.005+/-0.009 χ²/NDF: 32.6/29
All: -0.001+/-0.006 χ²/NDF: 57.3/60
- sign -0.006+/-0.008 χ²/NDF: 23.9/30

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

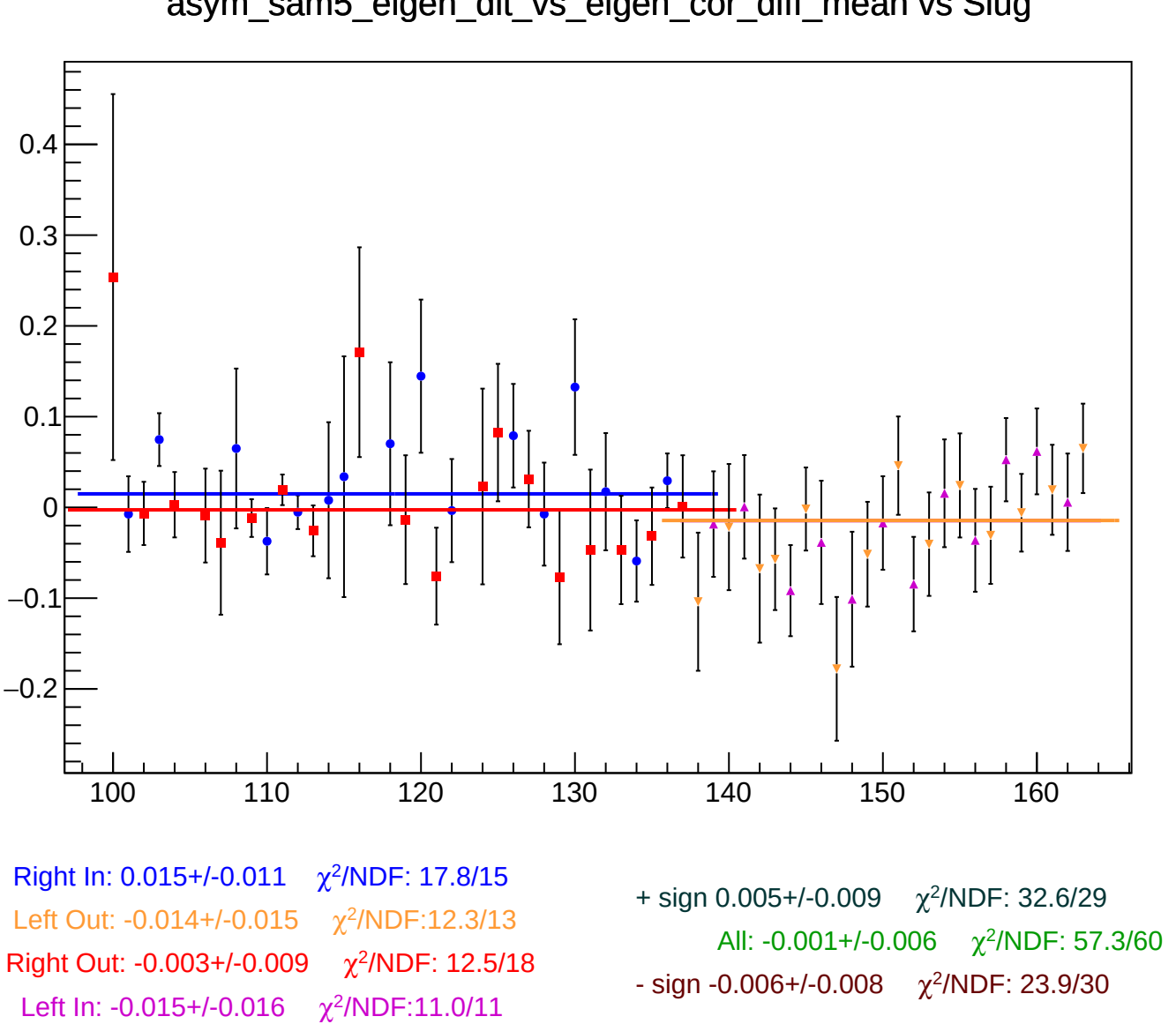
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

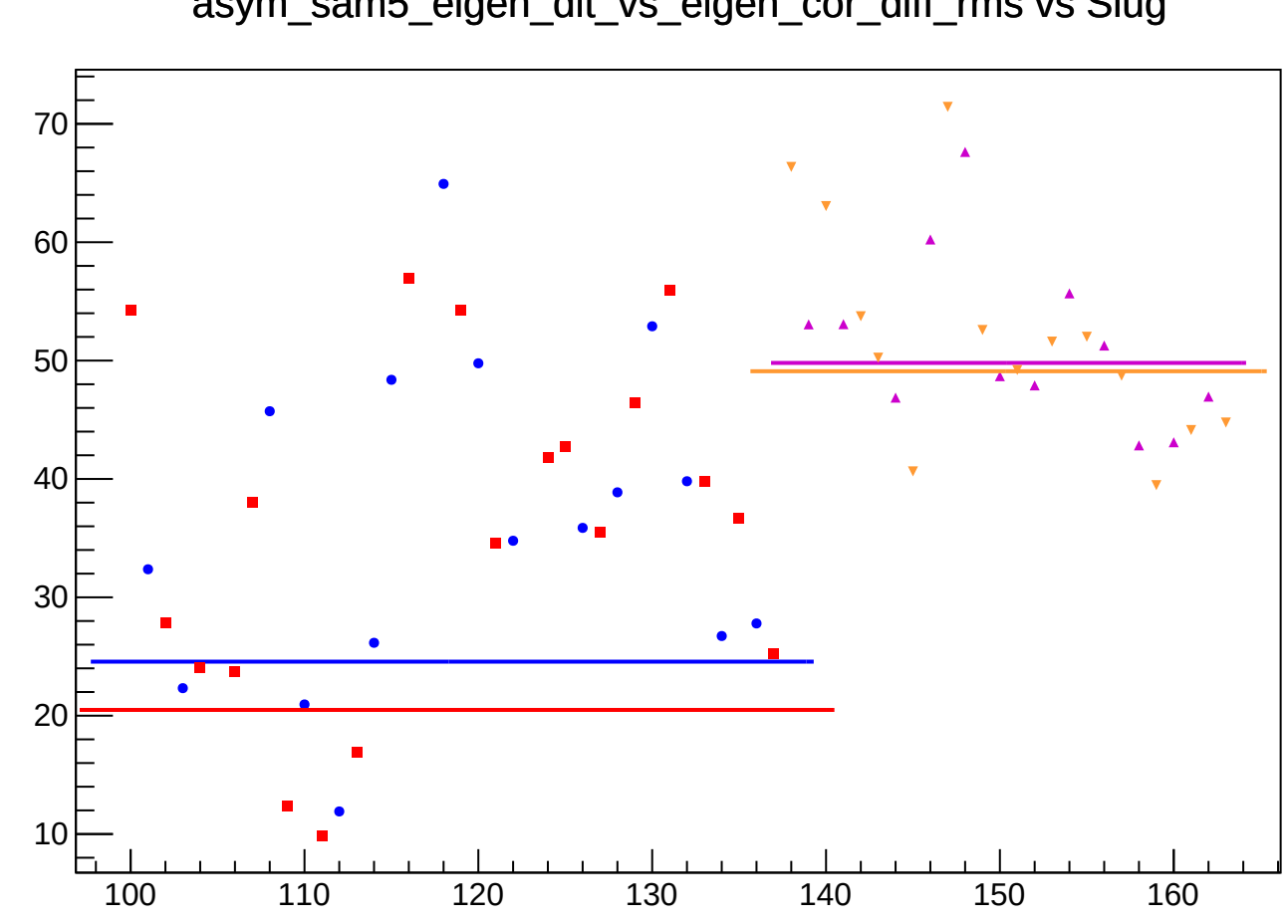
Left In: 49.804+/-0.011 χ^2/NDF:298244.9/11

+ sign 32.733+/-0.006 χ^2/NDF: 6631236.5/29

All: 30.142+/-0.004 χ^2/NDF: 15981702.3/60

- sign 27.944+/-0.006 χ^2/NDF: 9018728.3/30


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
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.015+/-0.016 χ²/NDF:11.0/11
+ sign 0.005+/-0.009 χ²/NDF: 32.6/29
All: -0.001+/-0.006 χ²/NDF: 57.3/60
- sign -0.006+/-0.008 χ²/NDF: 23.9/30



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

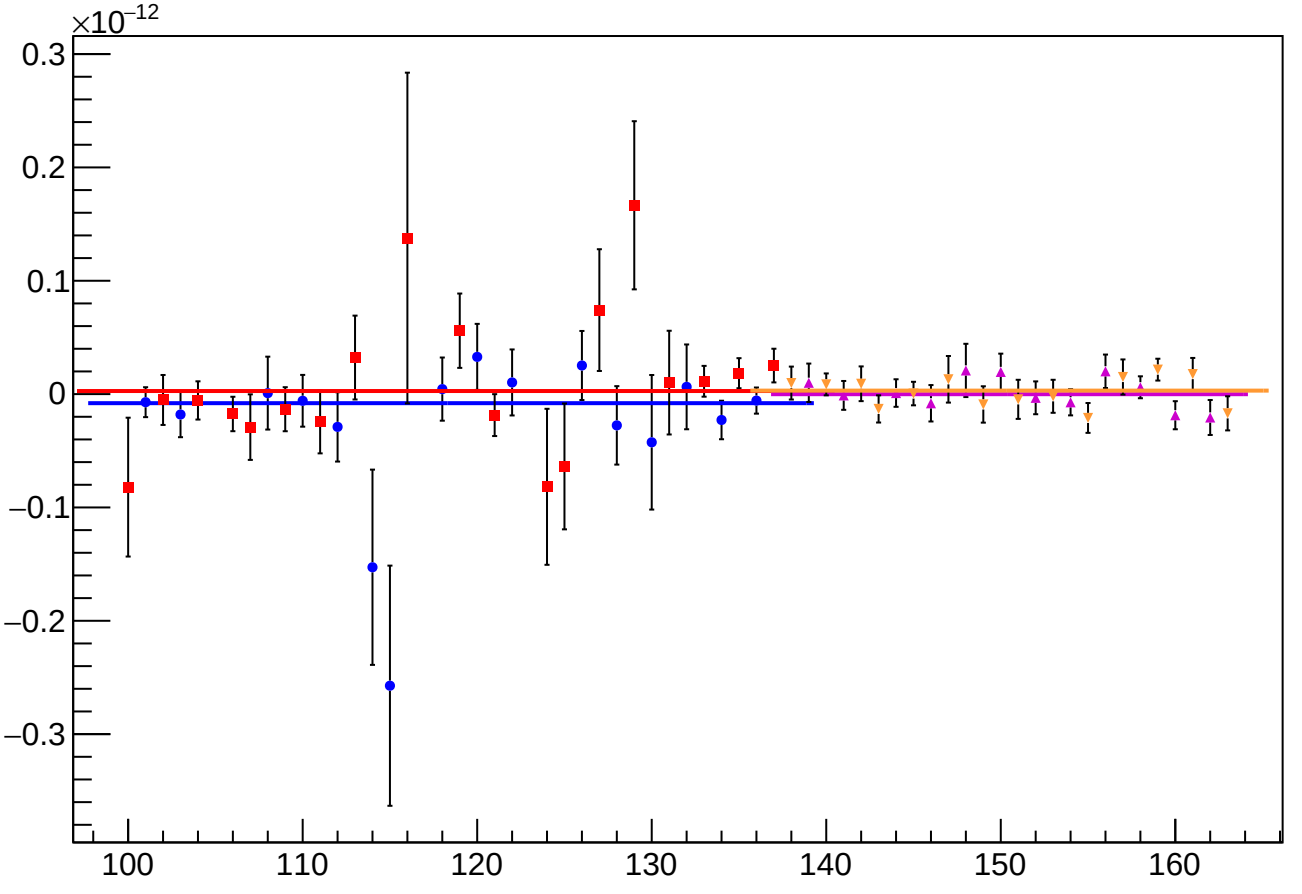
Left In: 49.804+/-0.011 χ^2/NDF:298244.9/11

+ sign 32.733+/-0.006 χ^2/NDF: 6631236.5/29

All: 30.142+/-0.004 χ^2/NDF: 15981702.3/60

- sign 27.944+/-0.006 χ^2/NDF: 9018728.3/30

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:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

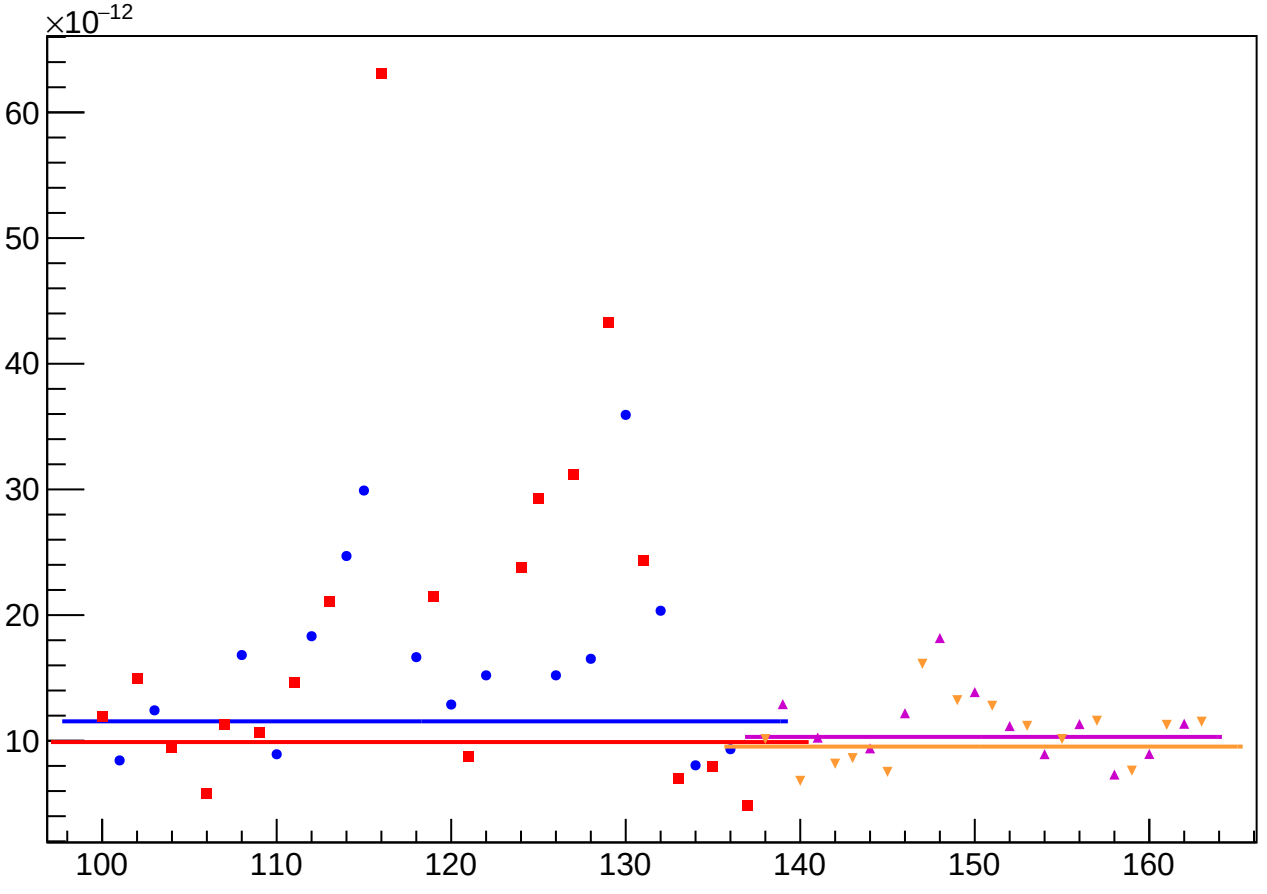
Left In: -0.000+/-0.000 χ^2/NDF:9.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 31.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.3/60

- sign 0.000+/-0.000 χ^2/NDF: 35.9/30

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:855779.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

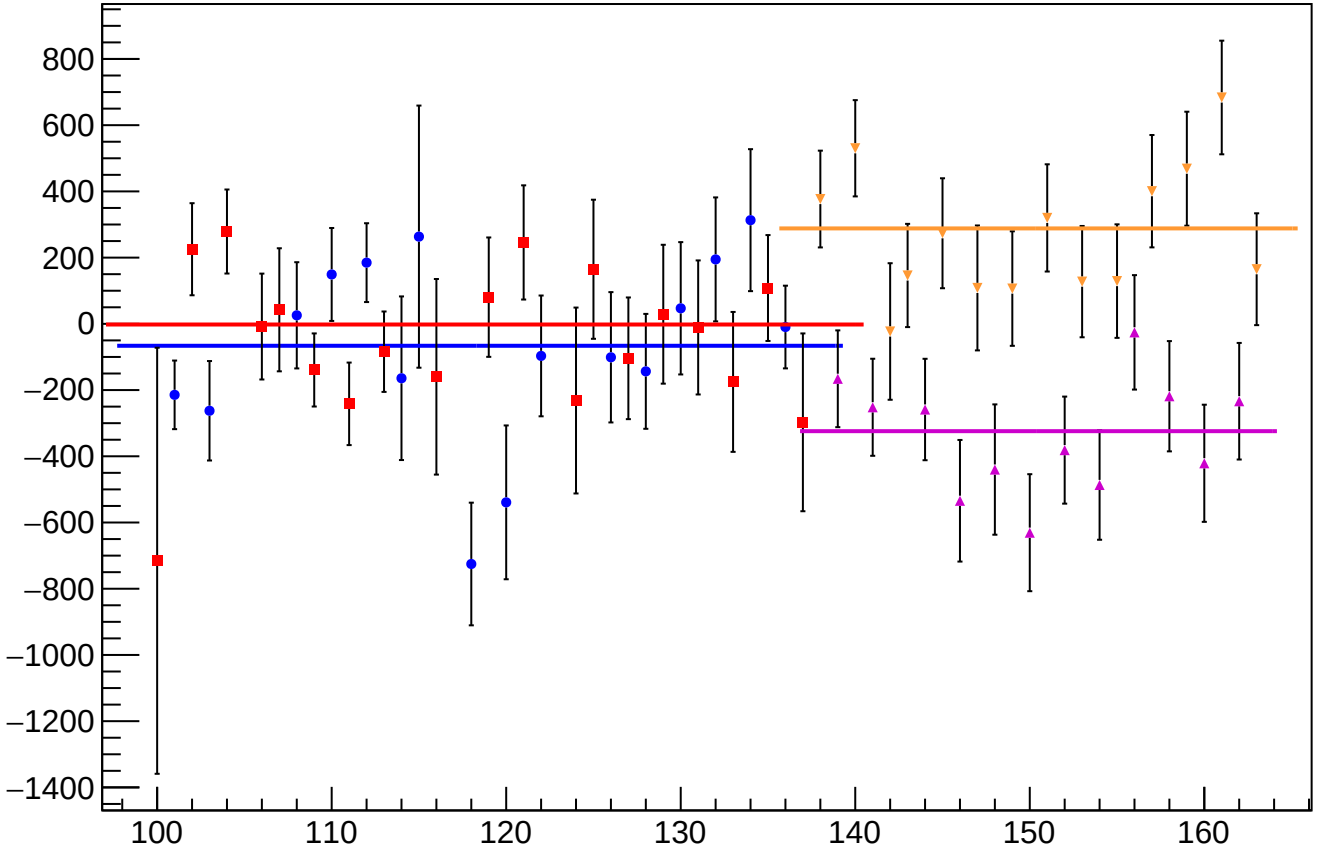
Left In: 0.000+/-0.000 χ^2/NDF:677938.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 2212061.2/29

All: 0.000+/-0.000 χ^2/NDF: 5534277.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3321625.7/30

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.199+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

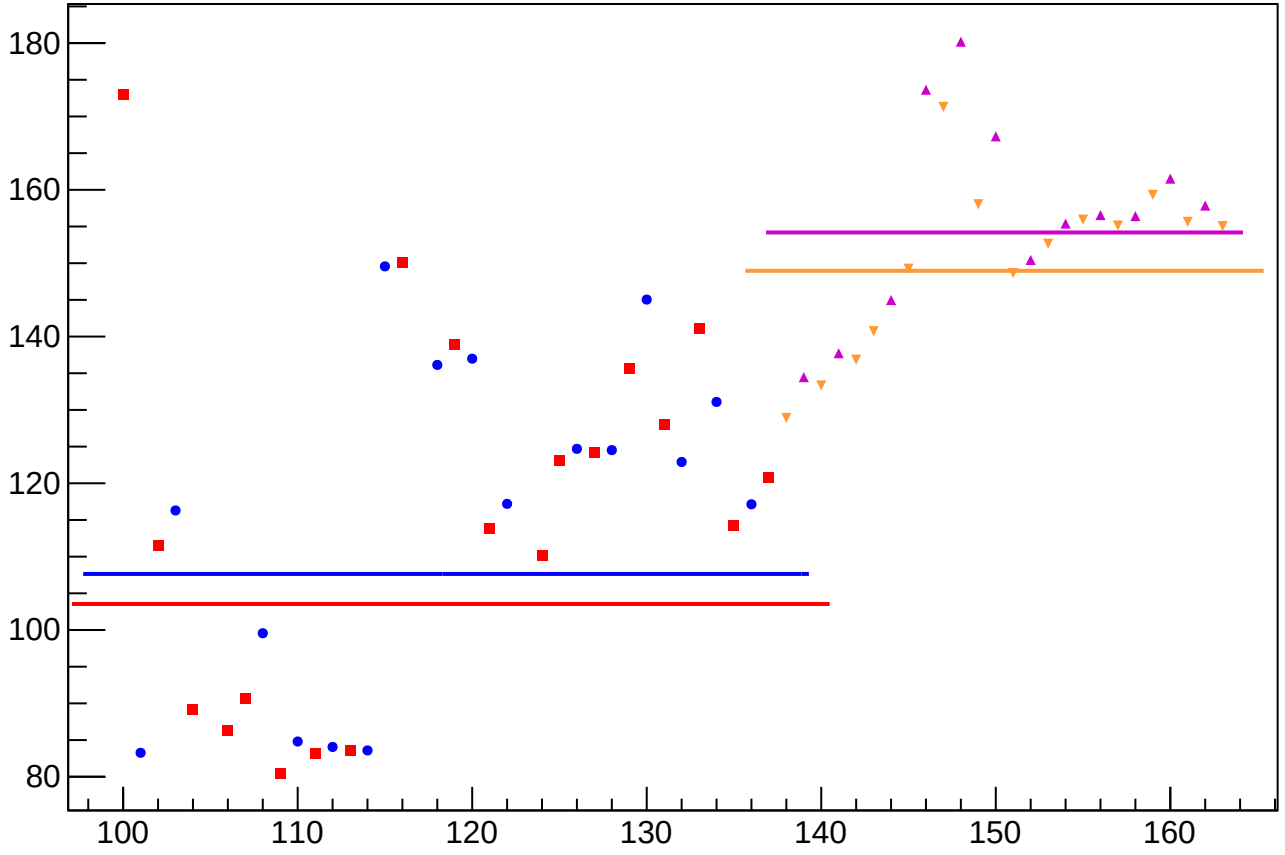
Left In: -324.135+/-48.109 χ^2/NDF:11.3/11

+ sign 95.654+/-30.173 χ^2/NDF: 86.1/29

All: -16.563+/-21.357 χ^2/NDF: 173.4/60

- sign -129.227+/-30.233 χ^2/NDF: 59.5/30

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

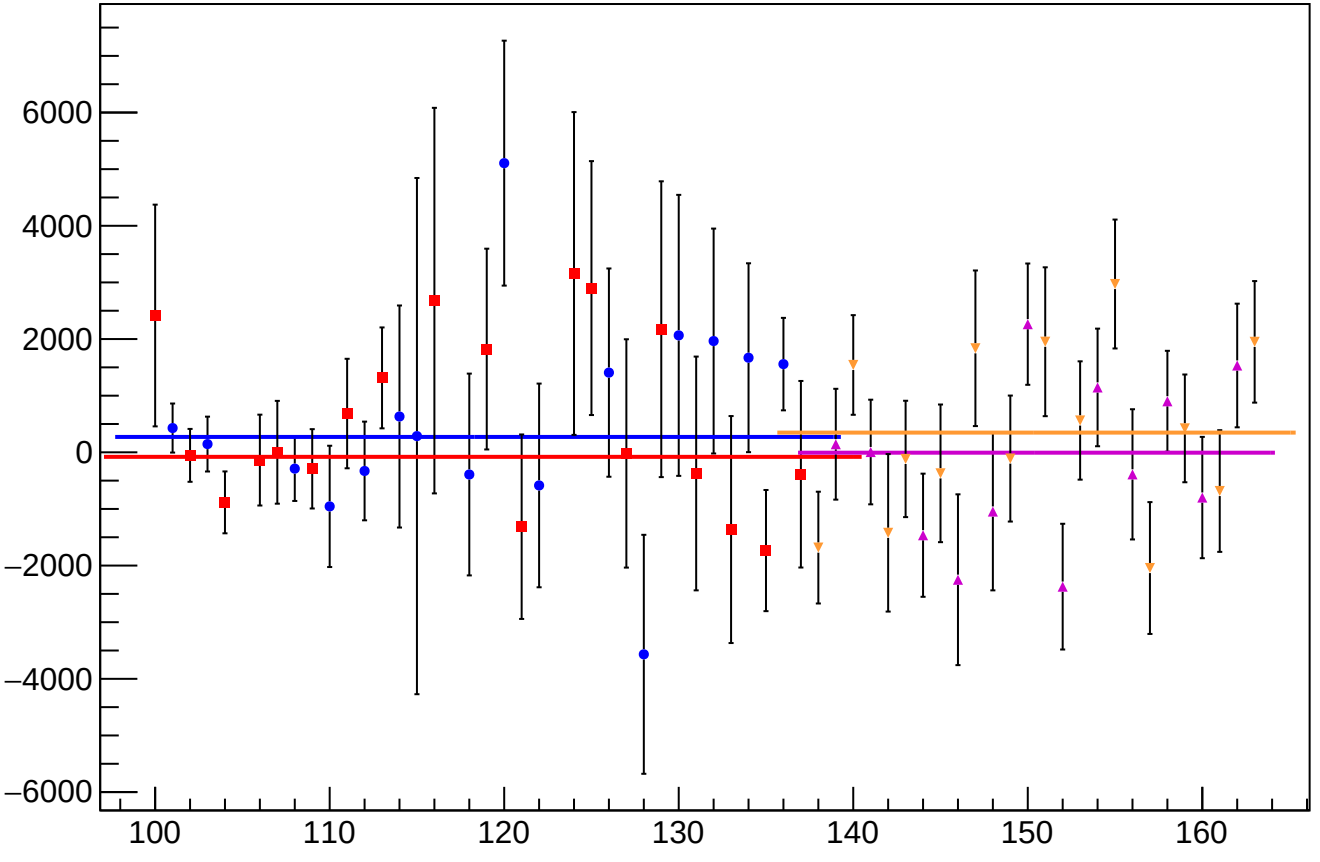
Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

+ sign 126.516+/-0.021 χ^2/NDF: 1590065.4/29

All: 125.035+/-0.015 χ^2/NDF: 3701304.9/60

- sign 123.548+/-0.021 χ^2/NDF: 2101579.9/30

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 347.957+/-293.077 χ^2/NDF:23.8/13

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

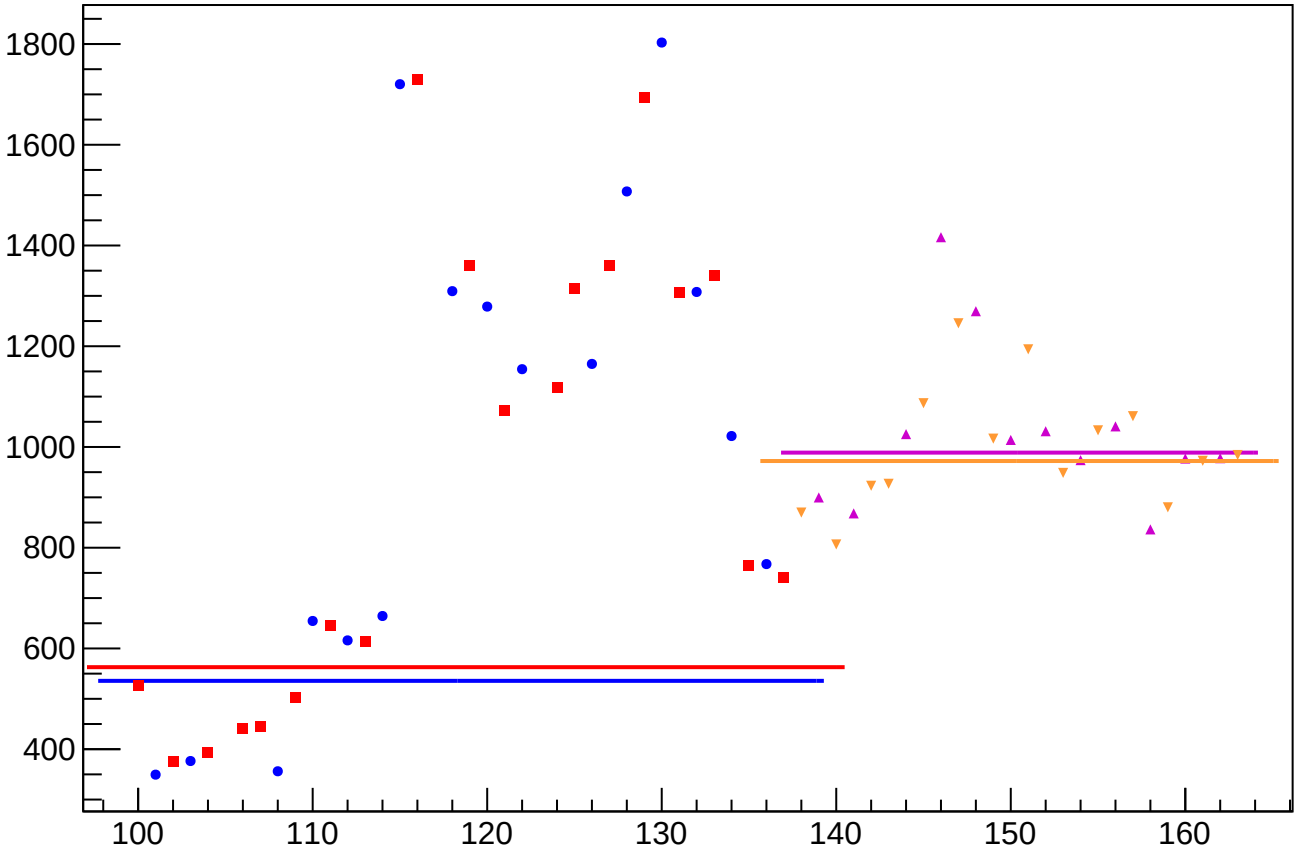
Left In: -6.763+/-310.763 χ^2/NDF:18.5/11

+ sign 300.748+/-181.258 χ^2/NDF: 40.3/29

All: 128.025+/-129.808 χ^2/NDF: 76.8/60

- sign -53.828+/-185.987 χ^2/NDF: 34.6/30

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.108+/-0.207 χ^2/NDF:293293.8/13

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

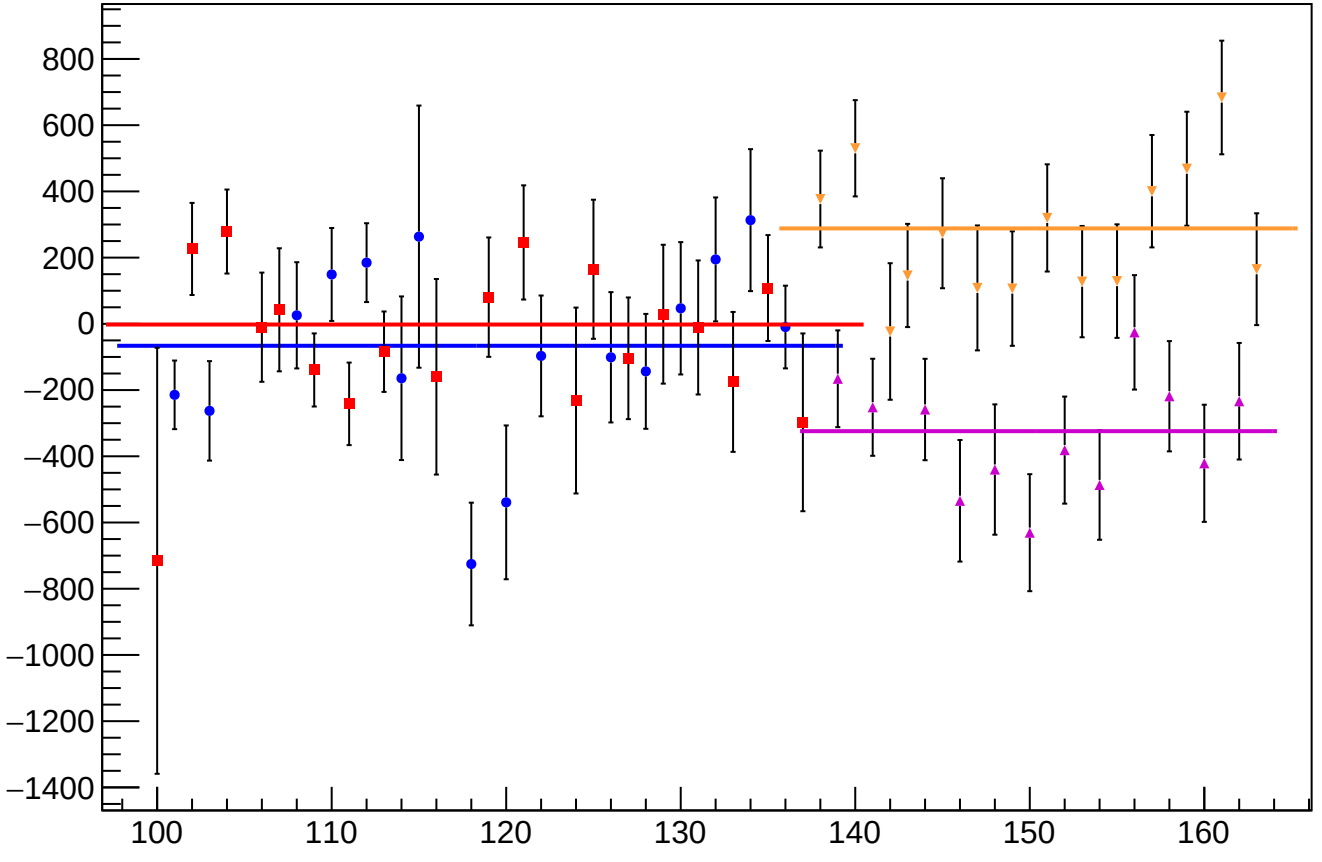
Left In: 988.807+/-0.220 χ^2/NDF:362660.4/11

+ sign 702.615+/-0.128 χ^2/NDF: 6664263.6/29

All: 708.852+/-0.092 χ^2/NDF: 12554520.3/60

- sign 715.418+/-0.132 χ^2/NDF: 5885396.4/30

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

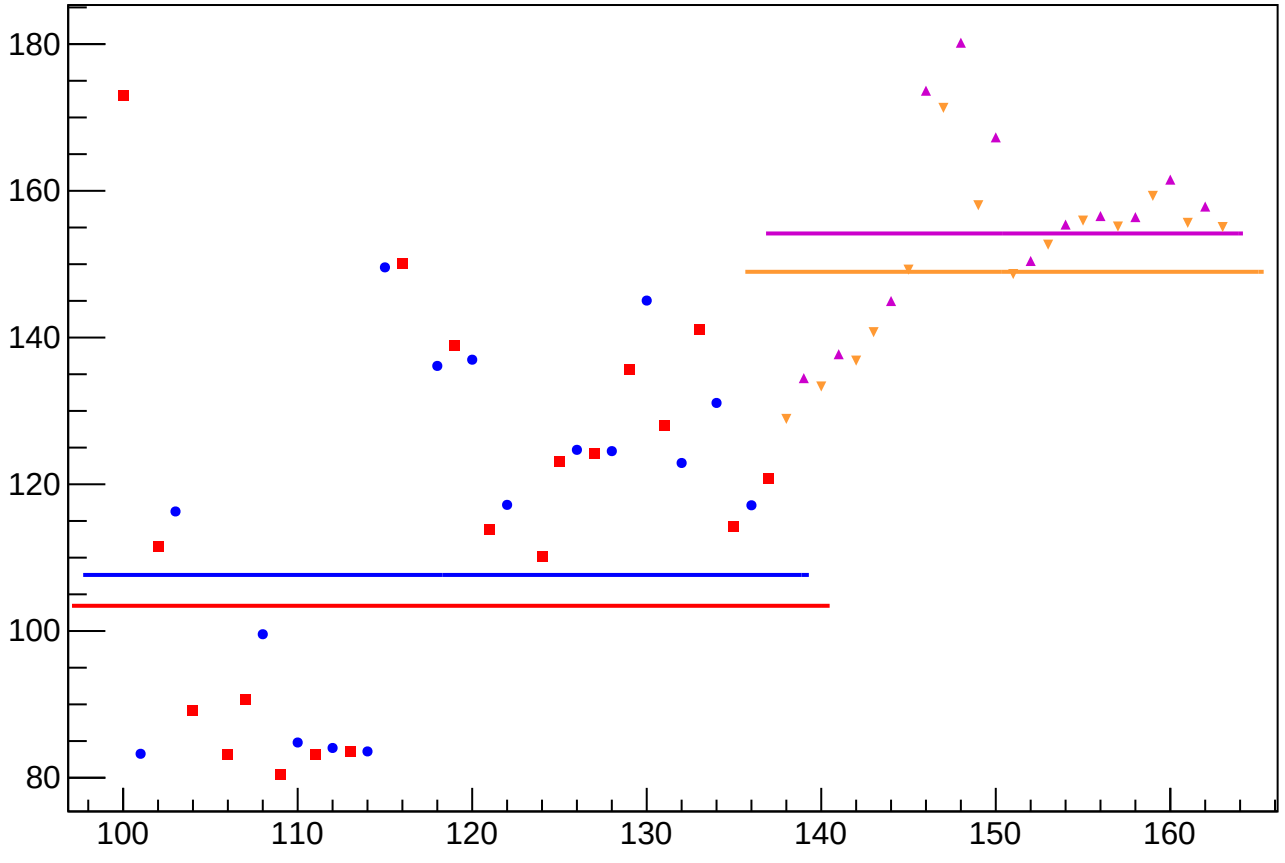
Left In: -324.141+/-48.109 χ^2/NDF:11.3/11

+ sign 95.638+/-30.173 χ^2/NDF: 86.1/29

All: -16.602+/-21.368 χ^2/NDF: 173.4/60

- sign -129.534+/-30.266 χ^2/NDF: 59.5/30

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

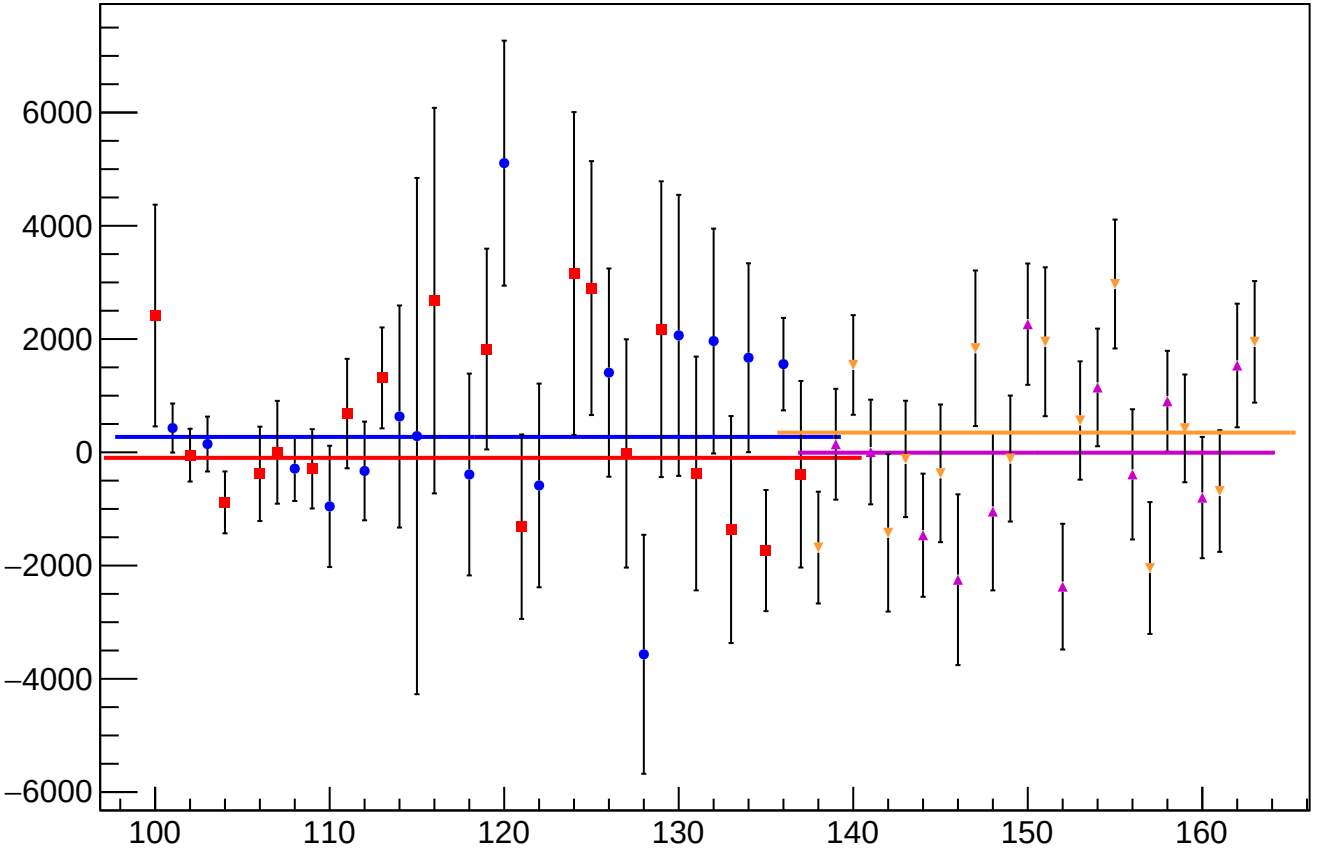
Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

+ sign 126.516+/-0.021 χ^2/NDF: 1590063.9/29

All: 125.025+/-0.015 χ^2/NDF: 3712876.8/60

- sign 123.524+/-0.021 χ^2/NDF: 2113006.6/30

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

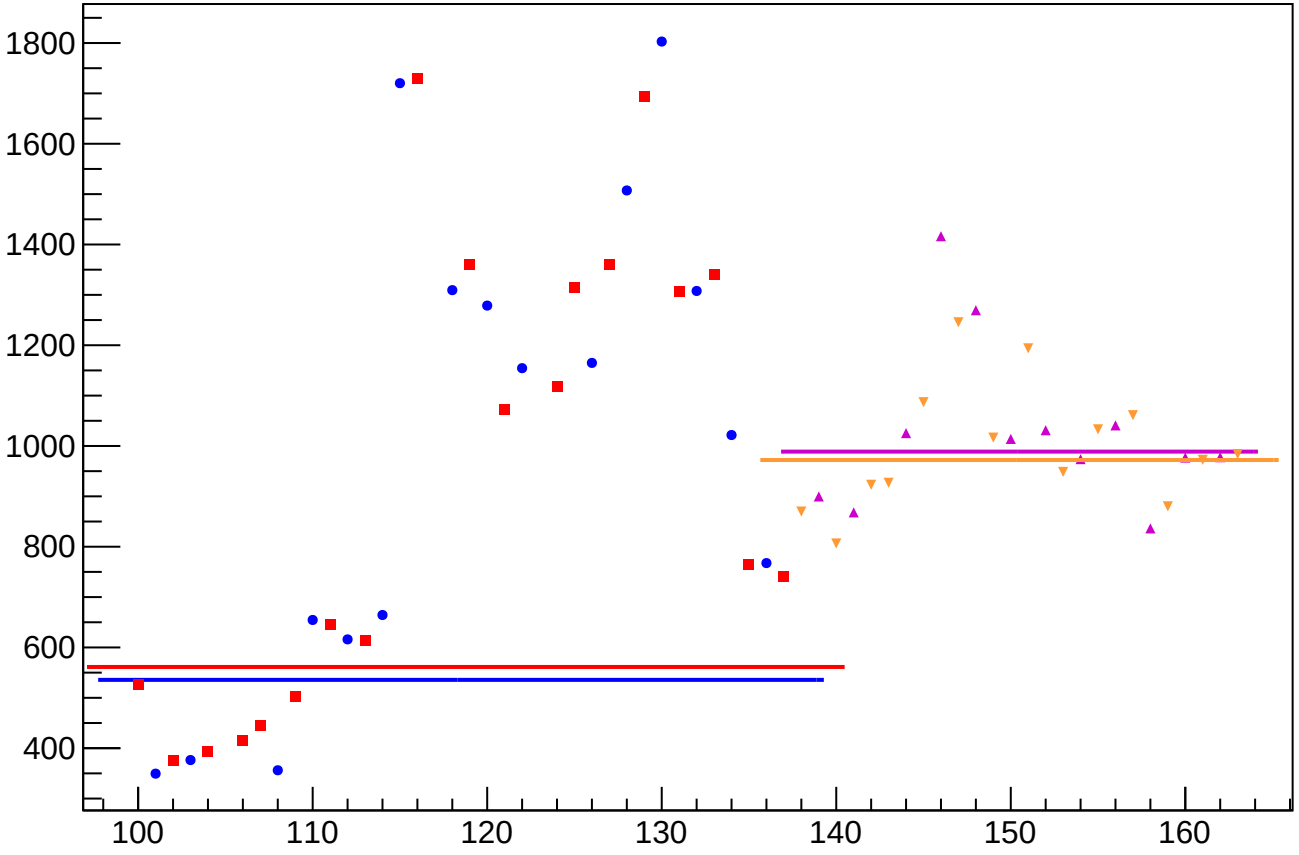
Left In: -6.763+/-310.763 χ^2/NDF:18.5/11

+ sign 300.834+/-181.254 χ^2/NDF: 40.3/29

All: 122.894+/-129.916 χ^2/NDF: 77.0/60

- sign -65.109+/-186.309 χ^2/NDF: 34.7/30

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

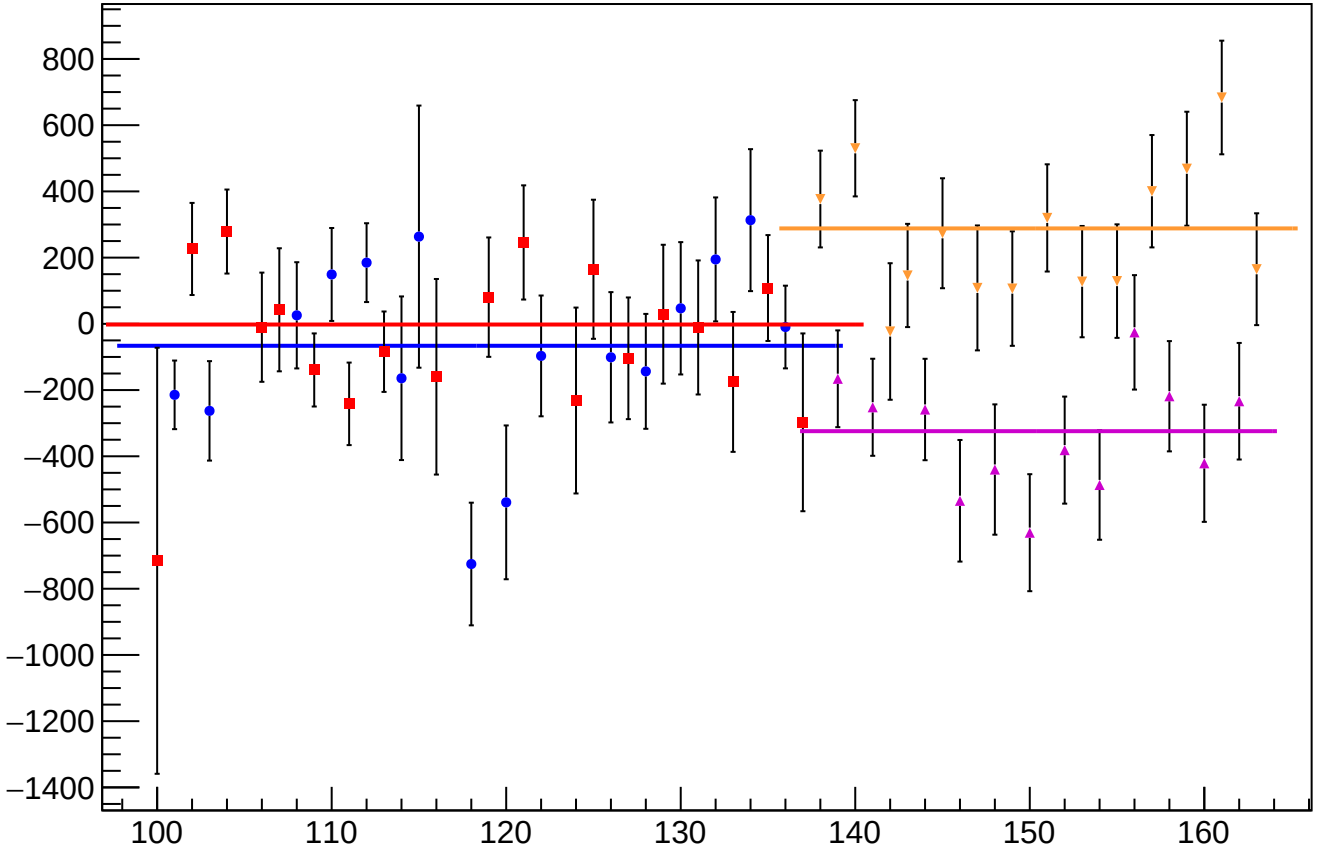
Left In: 988.807+/-0.220 χ^2/NDF:362659.8/11

+ sign 702.596+/-0.128 χ^2/NDF: 6664804.7/29

All: 708.597+/-0.092 χ^2/NDF: 12587616.8/60

- sign 714.937+/-0.132 χ^2/NDF: 5918303.5/30

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

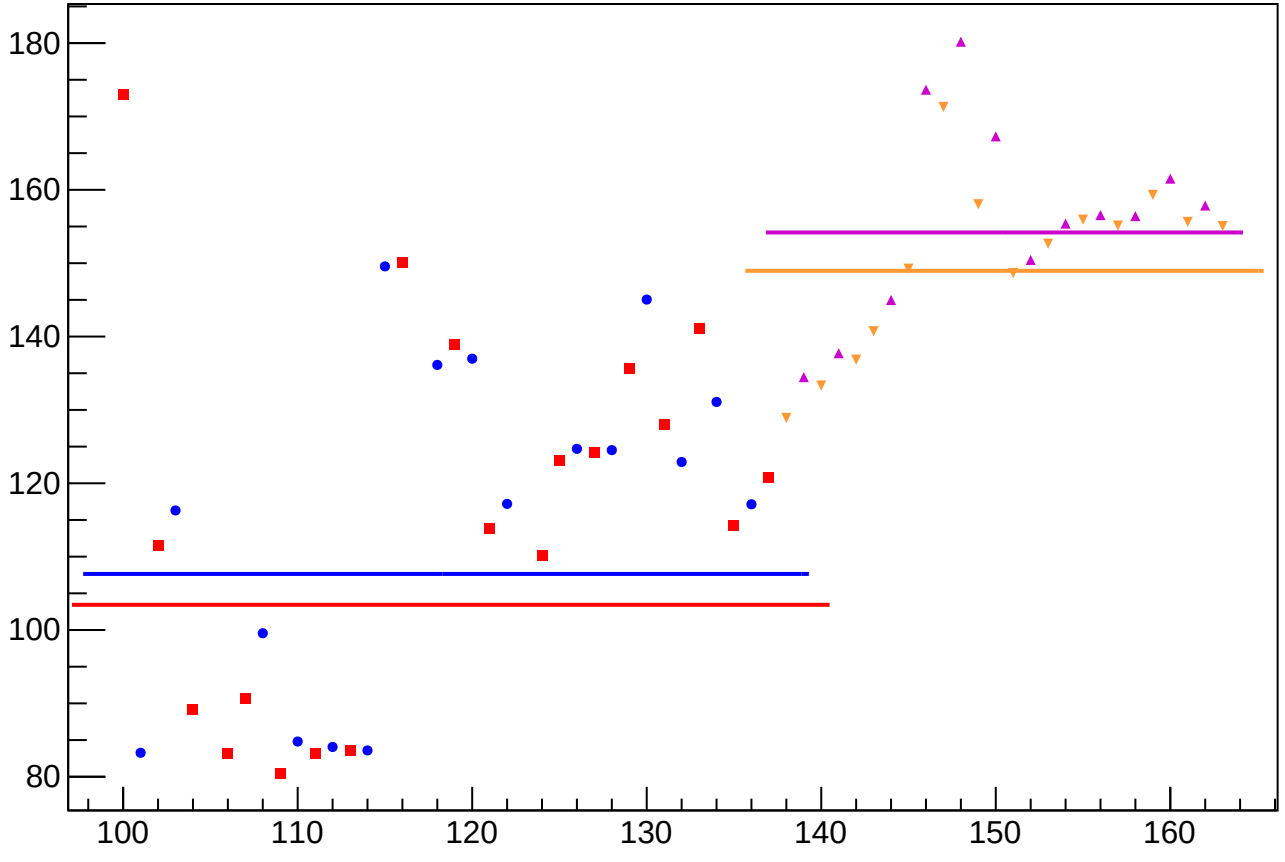
Left In: -324.141+/-48.109 χ^2/NDF:11.3/11

+ sign 95.638+/-30.173 χ^2/NDF: 86.1/29

All: -16.602+/-21.368 χ^2/NDF: 173.4/60

- sign -129.534+/-30.266 χ^2/NDF: 59.5/30

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

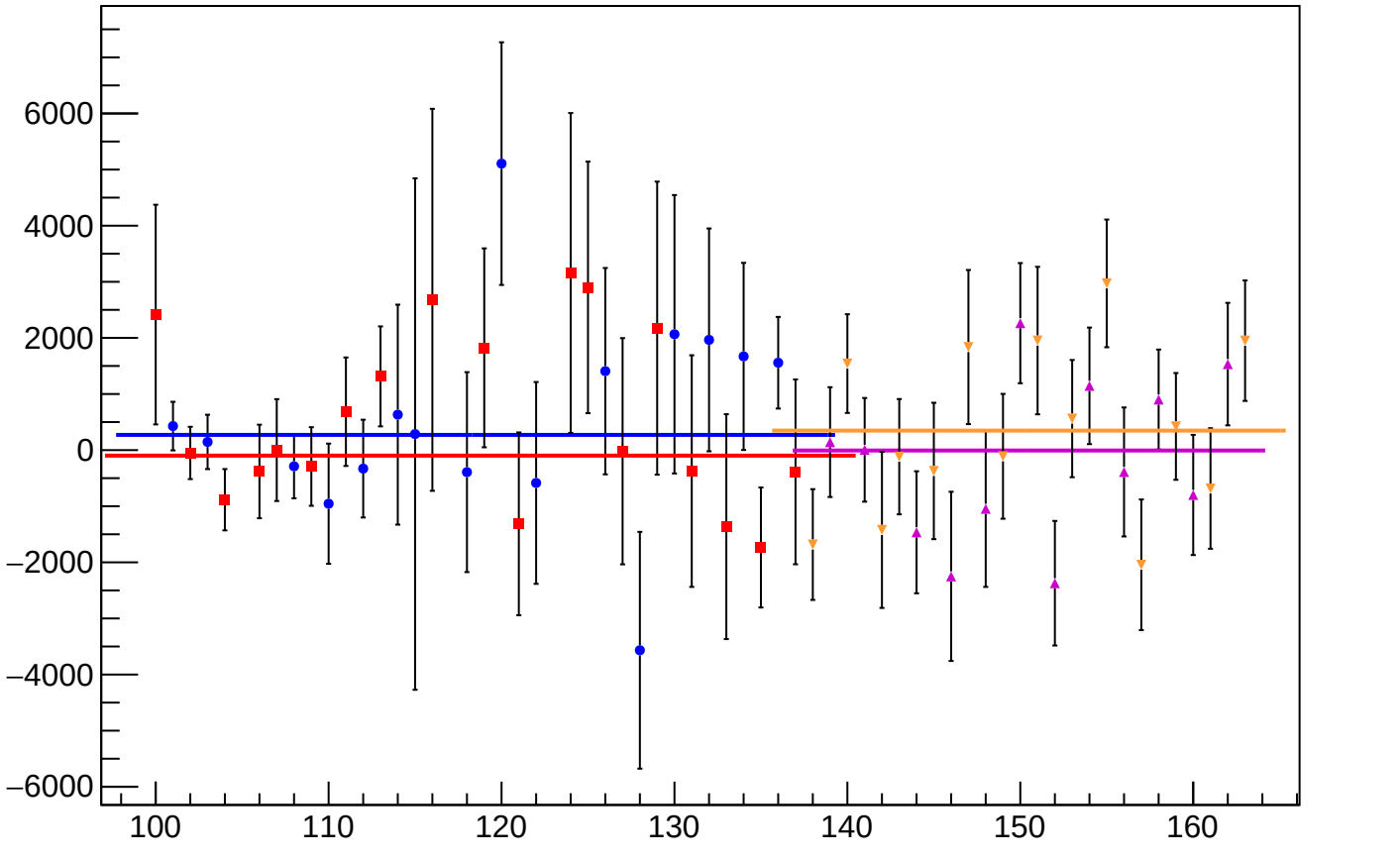
Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

+ sign 126.516+/-0.021 χ^2/NDF: 1590063.9/29

All: 125.025+/-0.015 χ^2/NDF: 3712876.8/60

- sign 123.524+/-0.021 χ^2/NDF: 2113006.6/30



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

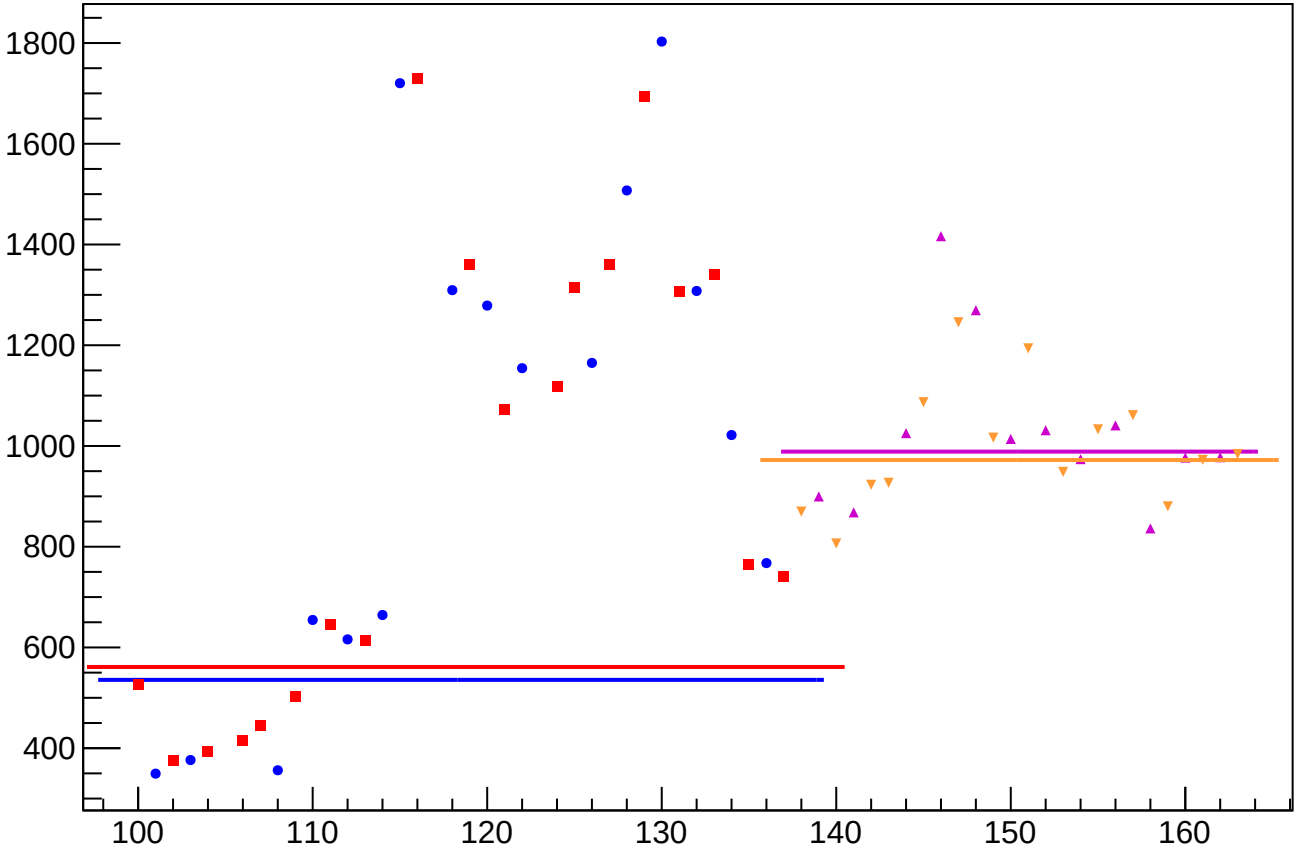
Left In: -6.763+/-310.763 χ^2/NDF:18.5/11

+ sign 300.834+/-181.254 χ^2/NDF: 40.3/29

All: 122.894+/-129.916 χ^2/NDF: 77.0/60

- sign -65.109+/-186.309 χ^2/NDF: 34.7/30

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

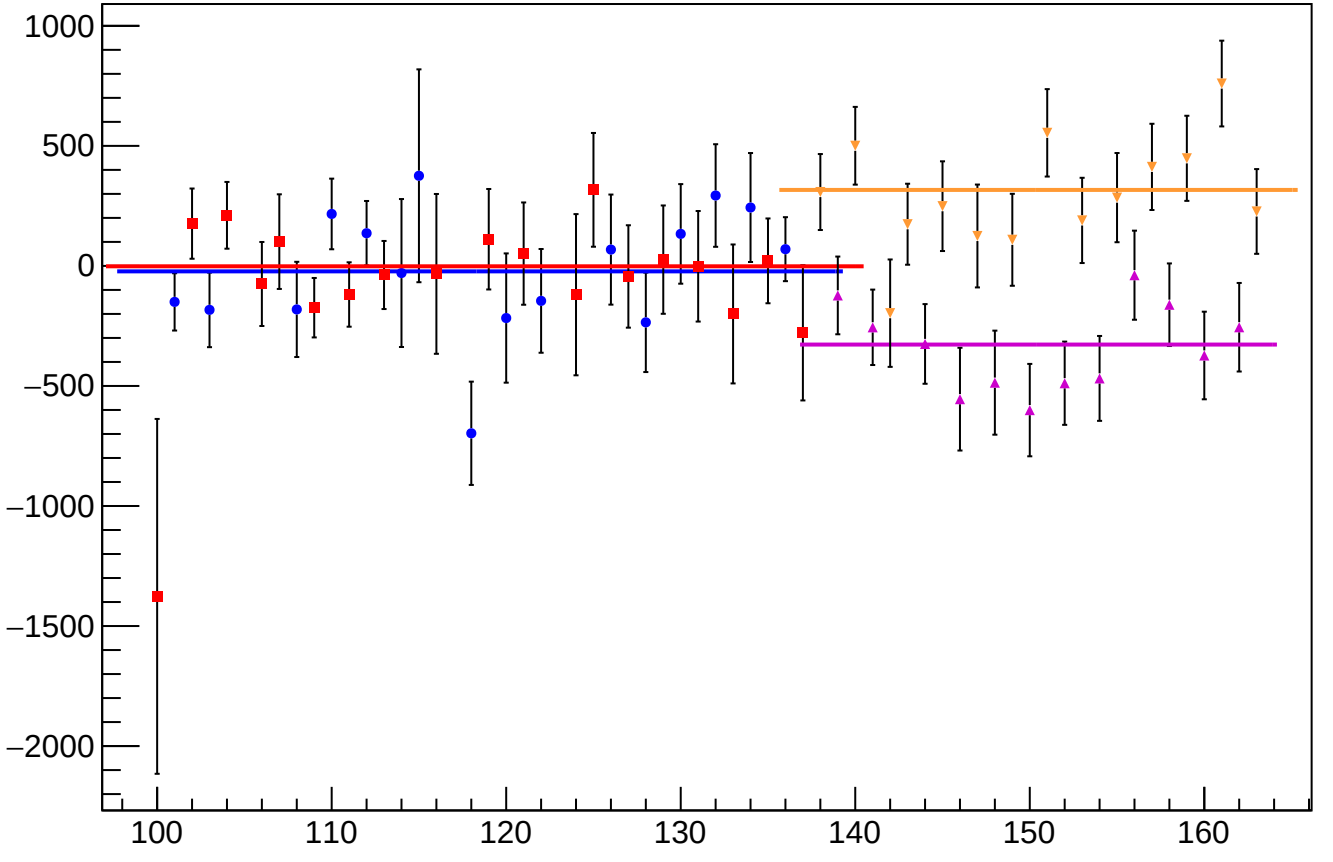
Left In: 988.807+/-0.220 χ^2/NDF:362659.8/11

+ sign 702.596+/-0.128 χ^2/NDF: 6664804.7/29

All: 708.597+/-0.092 χ^2/NDF: 12587616.8/60

- sign 714.937+/-0.132 χ^2/NDF: 5918303.5/30

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.534+/-48.335 χ^2/NDF:18.9/13

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

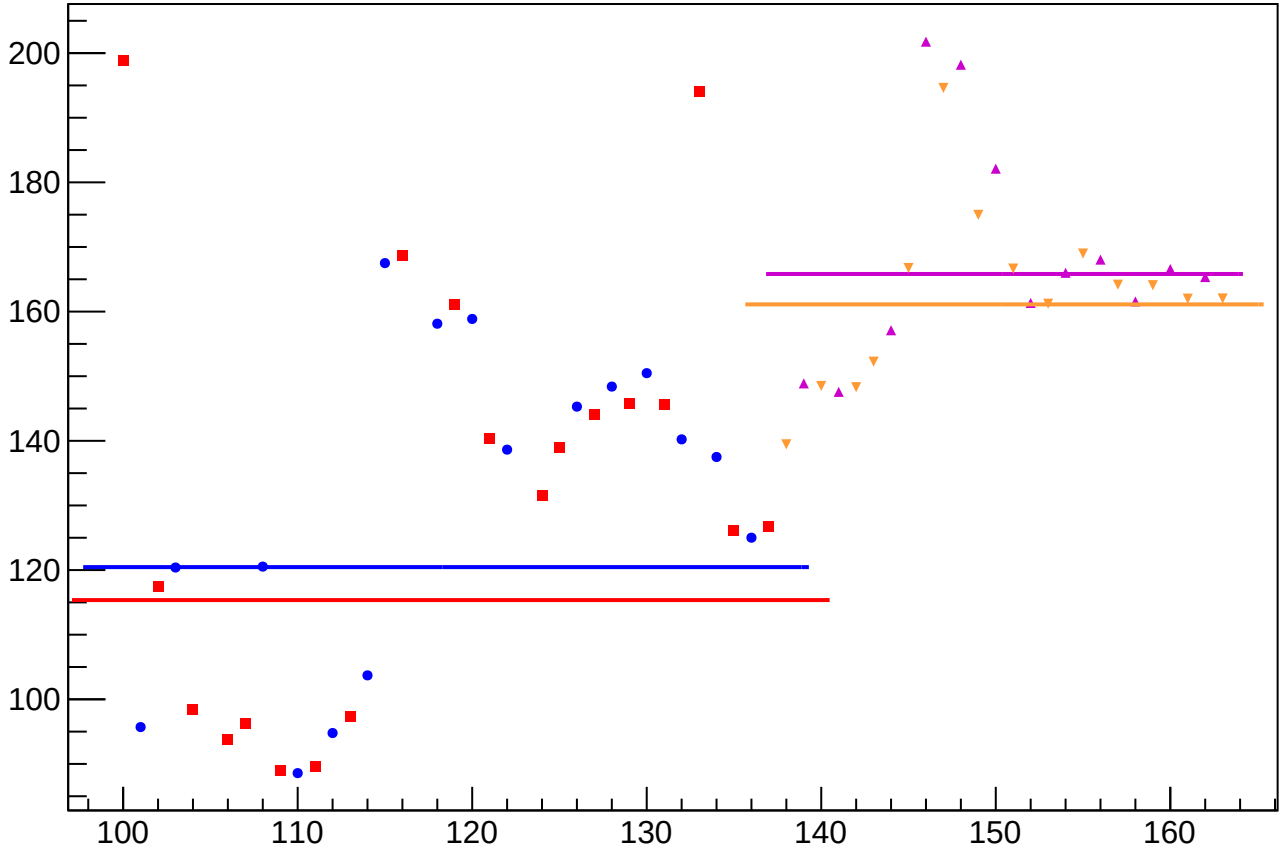
Left In: -327.601+/-51.798 χ^2/NDF:10.6/11

+ sign 138.201+/-33.287 χ^2/NDF: 69.0/29

All: 0.990+/-23.556 χ^2/NDF: 151.0/60

- sign -136.657+/-33.340 χ^2/NDF: 48.0/30

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.114+/-0.034 χ^2/NDF:129562.2/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

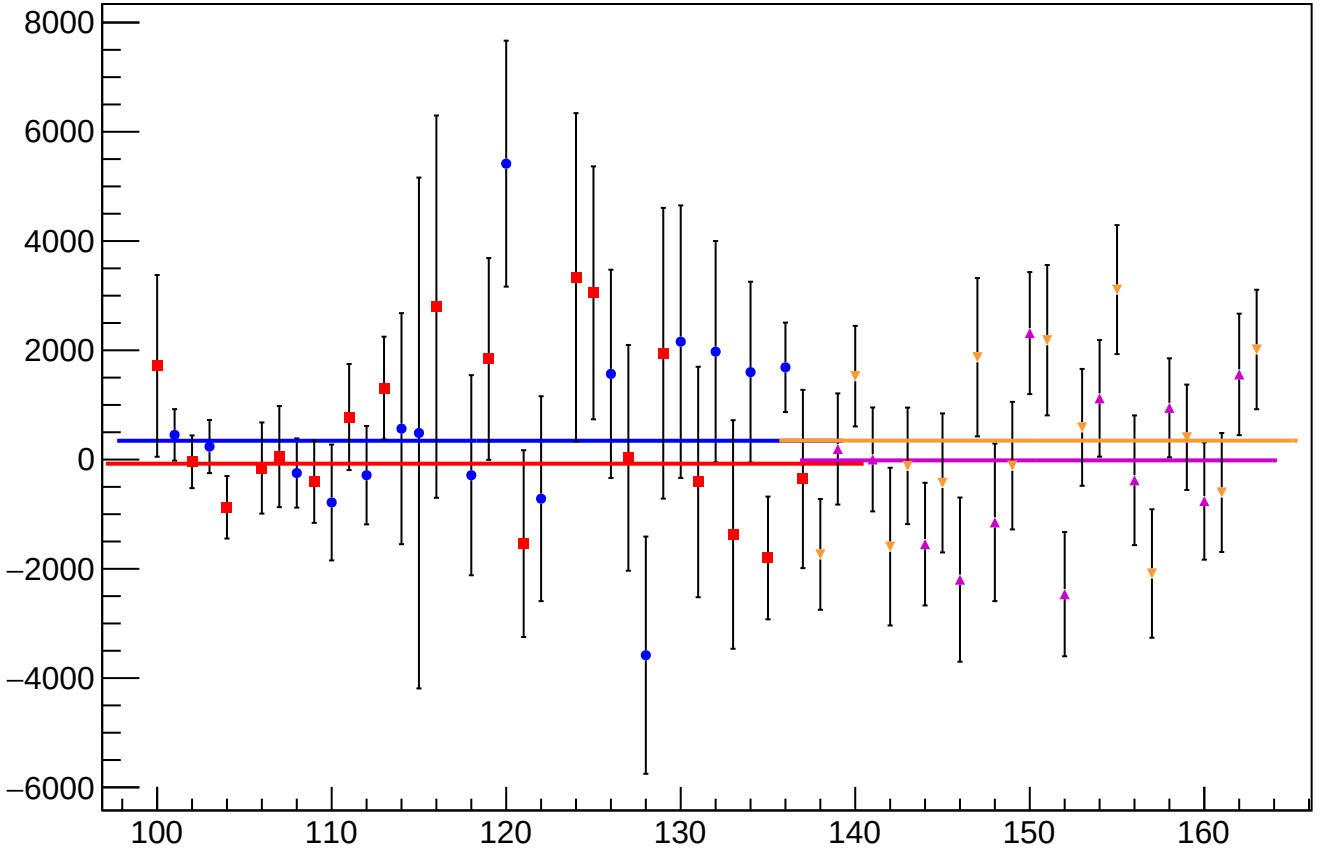
Left In: 165.821+/-0.037 χ^2/NDF:172722.5/11

+ sign 139.740+/-0.024 χ^2/NDF: 1403812.5/29

All: 138.005+/-0.017 χ^2/NDF: 3466560.5/60

- sign 136.264+/-0.024 χ^2/NDF: 2051856.3/30

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

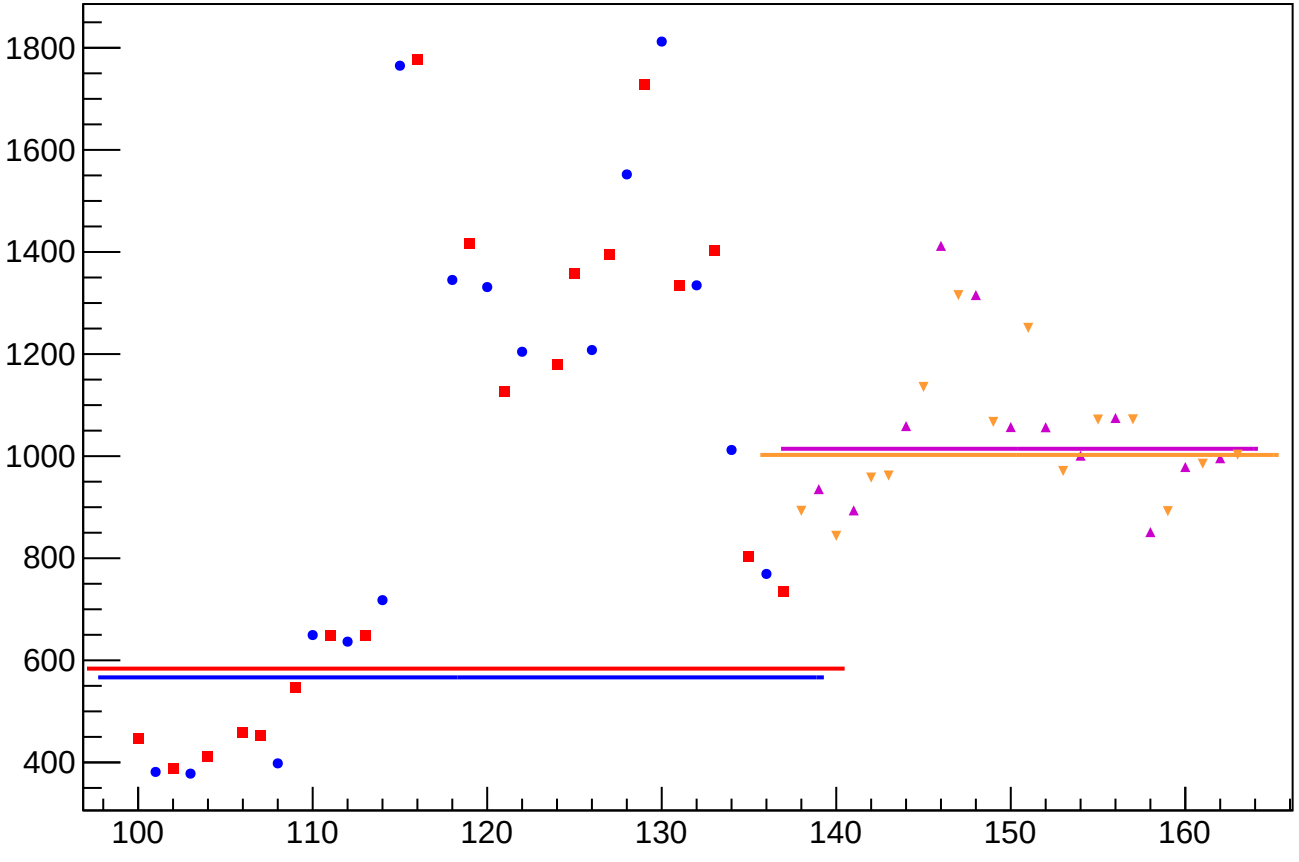
Left In: -14.822+/-318.740 χ^2/NDF:18.5/11

+ sign 345.529+/-188.714 χ^2/NDF: 40.4/29

All: 149.453+/-134.578 χ^2/NDF: 76.4/60

- sign -53.447+/-191.971 χ^2/NDF: 33.7/30

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316438.3/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

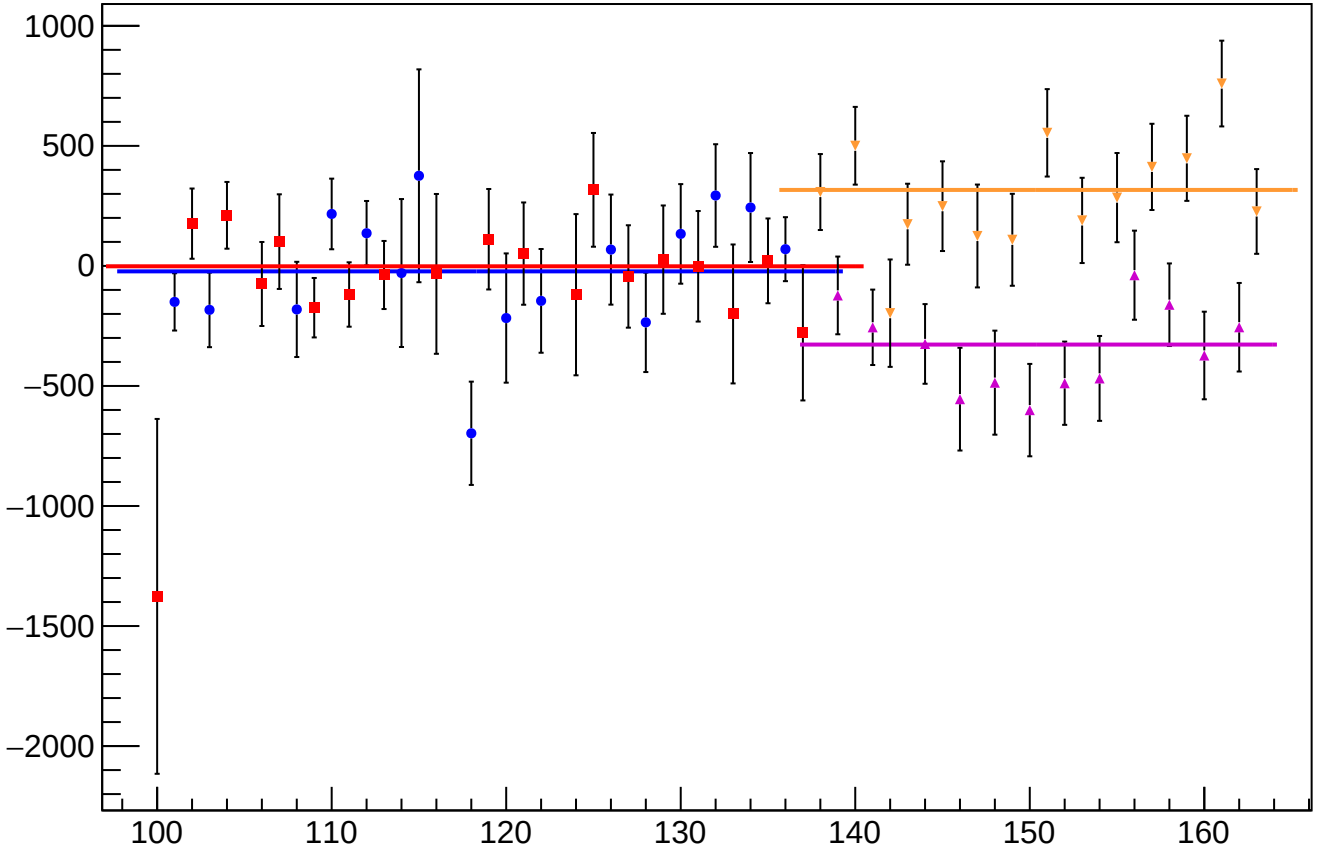
Left In: 1014.453+/-0.225 χ^2/NDF:353301.8/11

+ sign 736.358+/-0.133 χ^2/NDF: 6285057.6/29

All: 738.154+/-0.095 χ^2/NDF: 12072929.9/60

- sign 740.012+/-0.136 χ^2/NDF: 5787503.9/30

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.535+/-48.335 χ^2/NDF:18.9/13

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

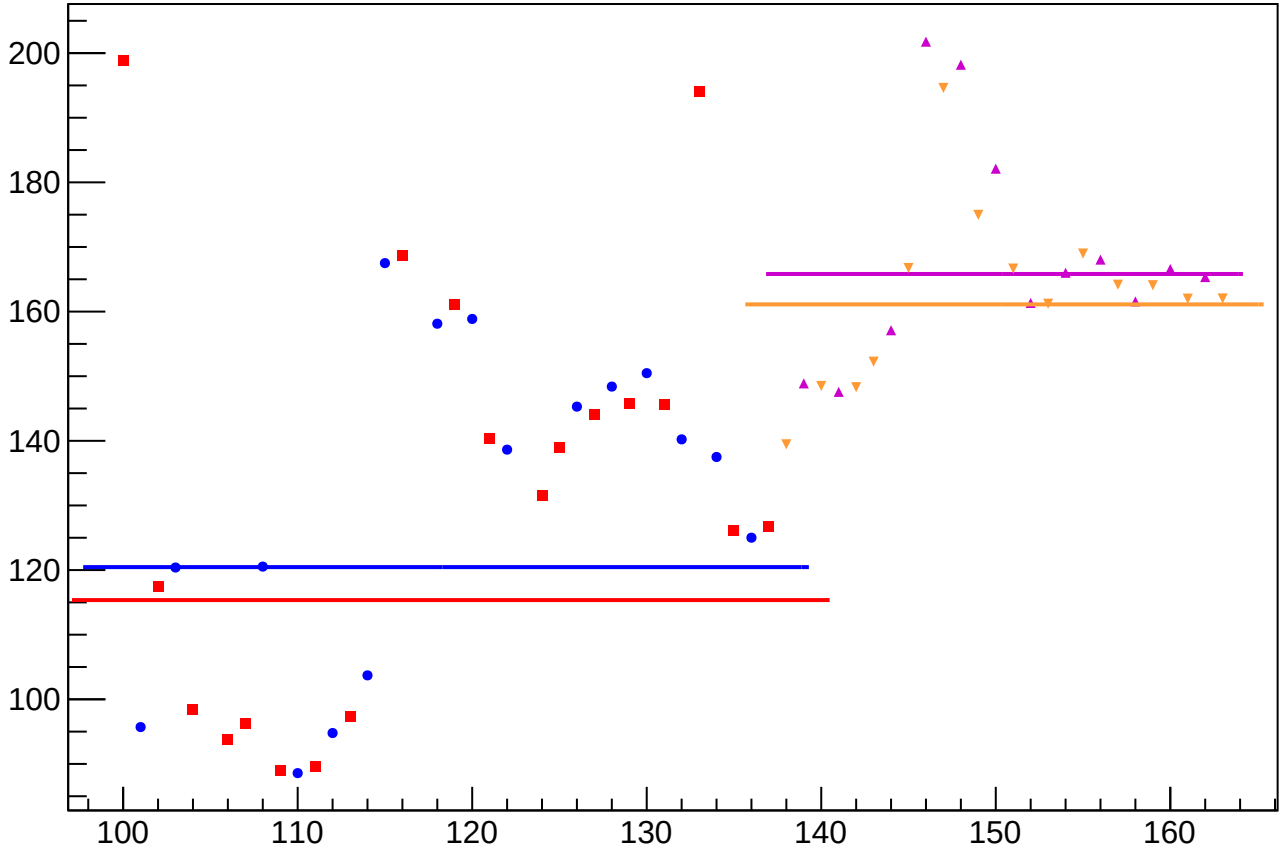
Left In: -327.601+/-51.798 χ^2/NDF:10.6/11

+ sign 138.200+/-33.287 χ^2/NDF: 69.0/29

All: 0.989+/-23.556 χ^2/NDF: 151.0/60

- sign -136.658+/-33.340 χ^2/NDF: 48.0/30

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.114+/-0.034 χ^2/NDF:129561.3/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

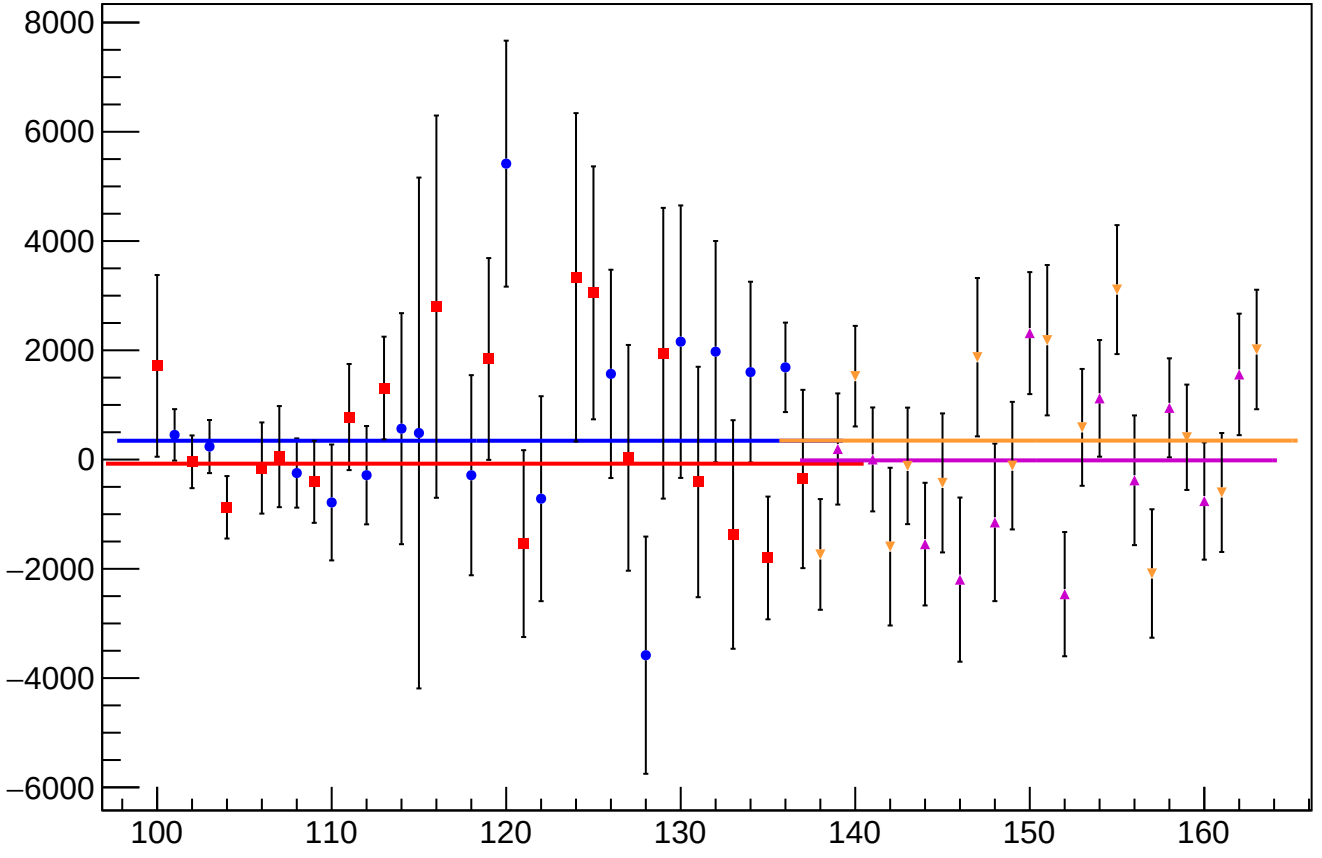
Left In: 165.821+/-0.037 χ^2/NDF:172722.9/11

+ sign 139.740+/-0.024 χ^2/NDF: 1403819.5/29

All: 138.004+/-0.017 χ^2/NDF: 3466570.3/60

- sign 136.263+/-0.024 χ^2/NDF: 2051859.4/30

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

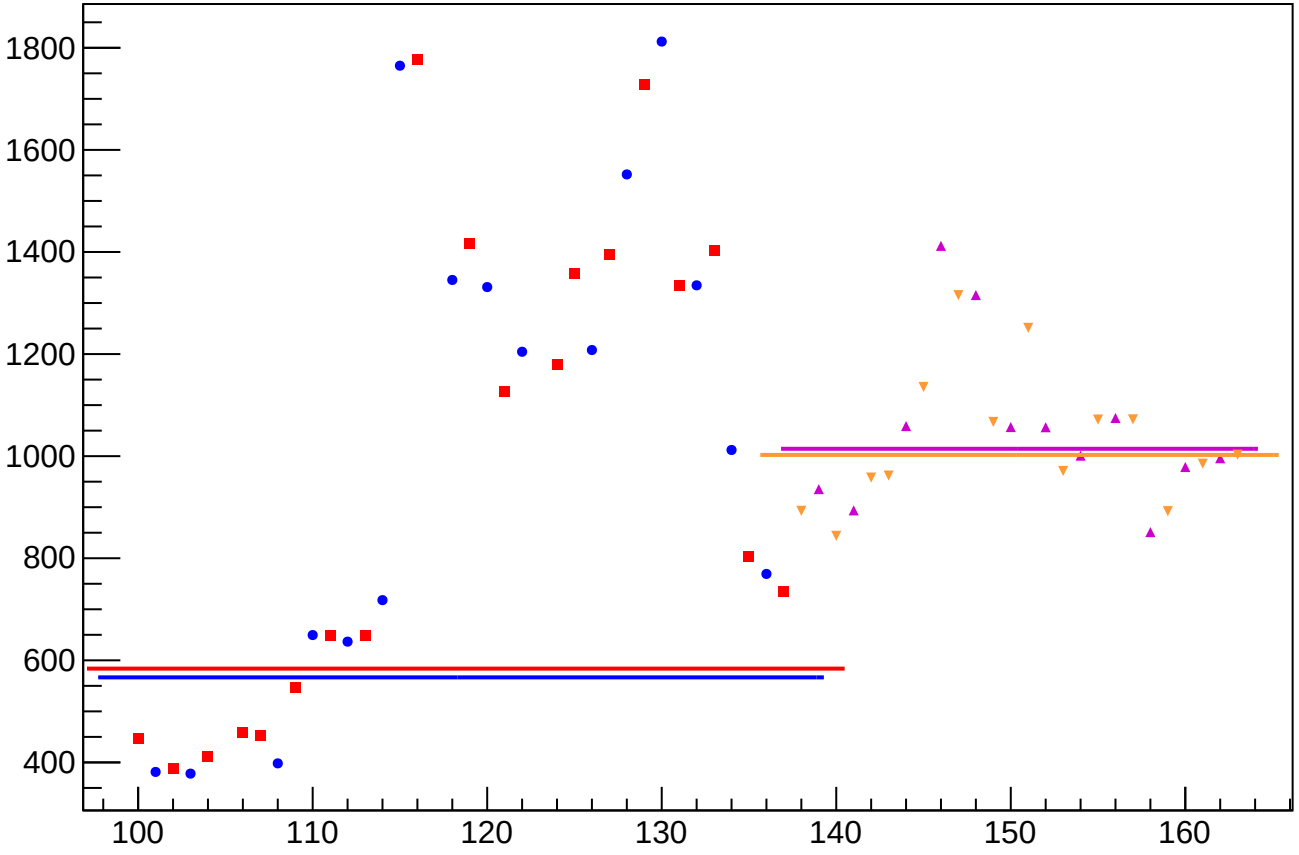
Left In: -14.822+/-318.740 χ^2/NDF:18.5/11

+ sign 345.529+/-188.714 χ^2/NDF: 40.4/29

All: 149.453+/-134.578 χ^2/NDF: 76.4/60

- sign -53.448+/-191.971 χ^2/NDF: 33.7/30

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316440.6/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

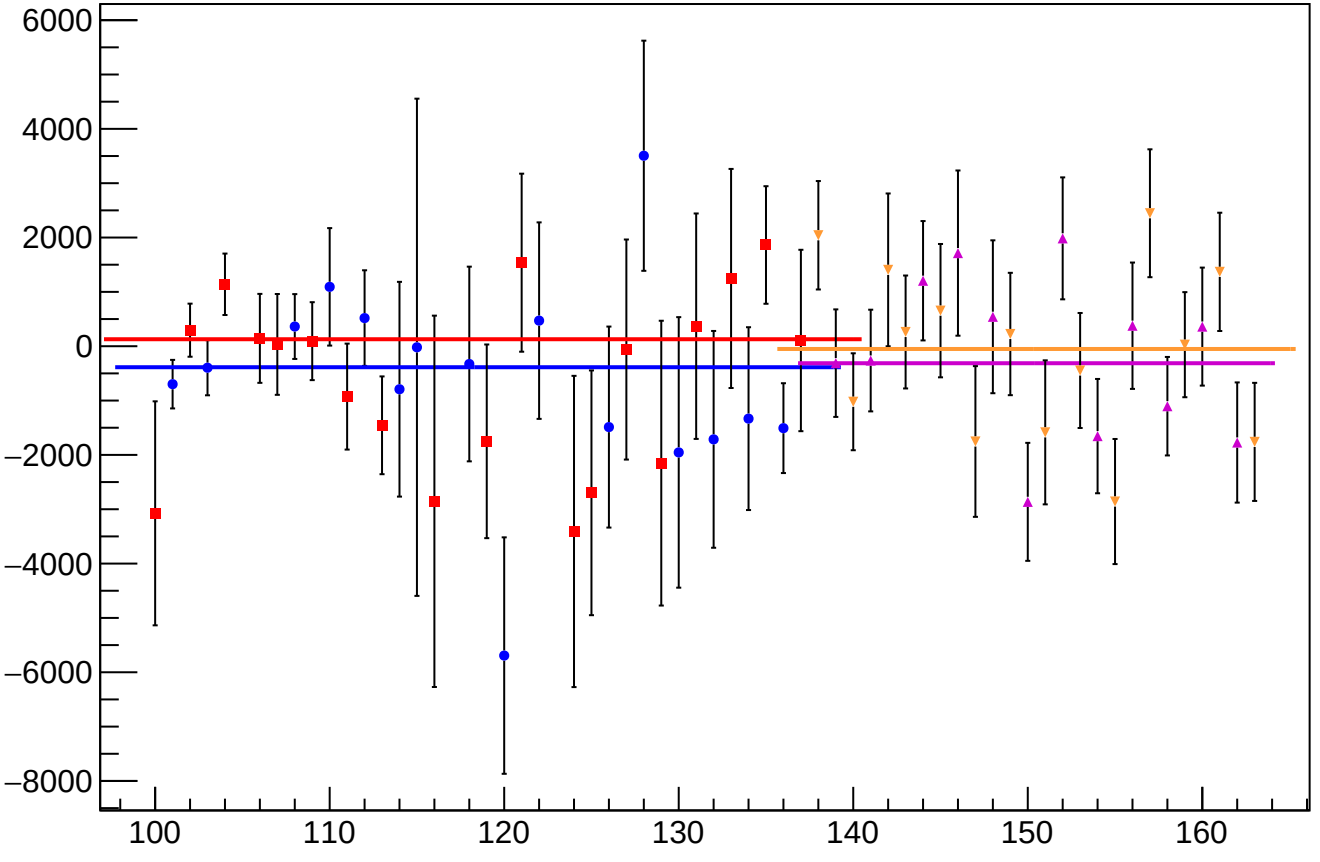
Left In: 1014.452+/-0.225 χ^2/NDF:353304.7/11

+ sign 736.357+/-0.133 χ^2/NDF: 6285073.4/29

All: 738.153+/-0.095 χ^2/NDF: 12072951.5/60

- sign 740.011+/-0.136 χ^2/NDF: 5787509.6/30

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -50.742+/-296.611 χ^2/NDF:24.8/13

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

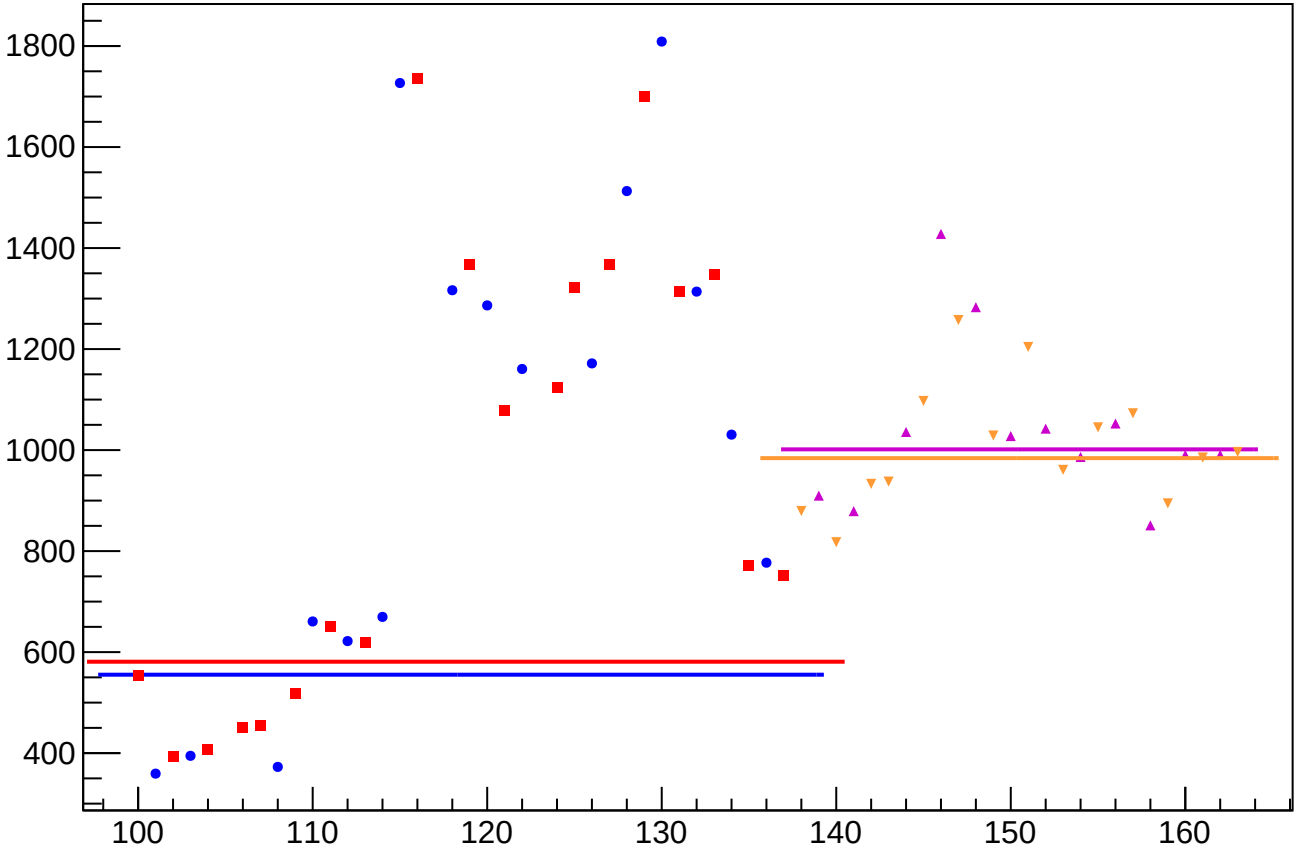
Left In: -312.963+/-314.648 χ^2/NDF:18.6/11

+ sign -255.327+/-185.404 χ^2/NDF: 43.5/29

All: -146.514+/-132.674 χ^2/NDF: 83.5/60

- sign -32.313+/-189.937 χ^2/NDF: 39.3/30

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 984.065+/-0.210 χ^2/NDF:286805.8/13

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

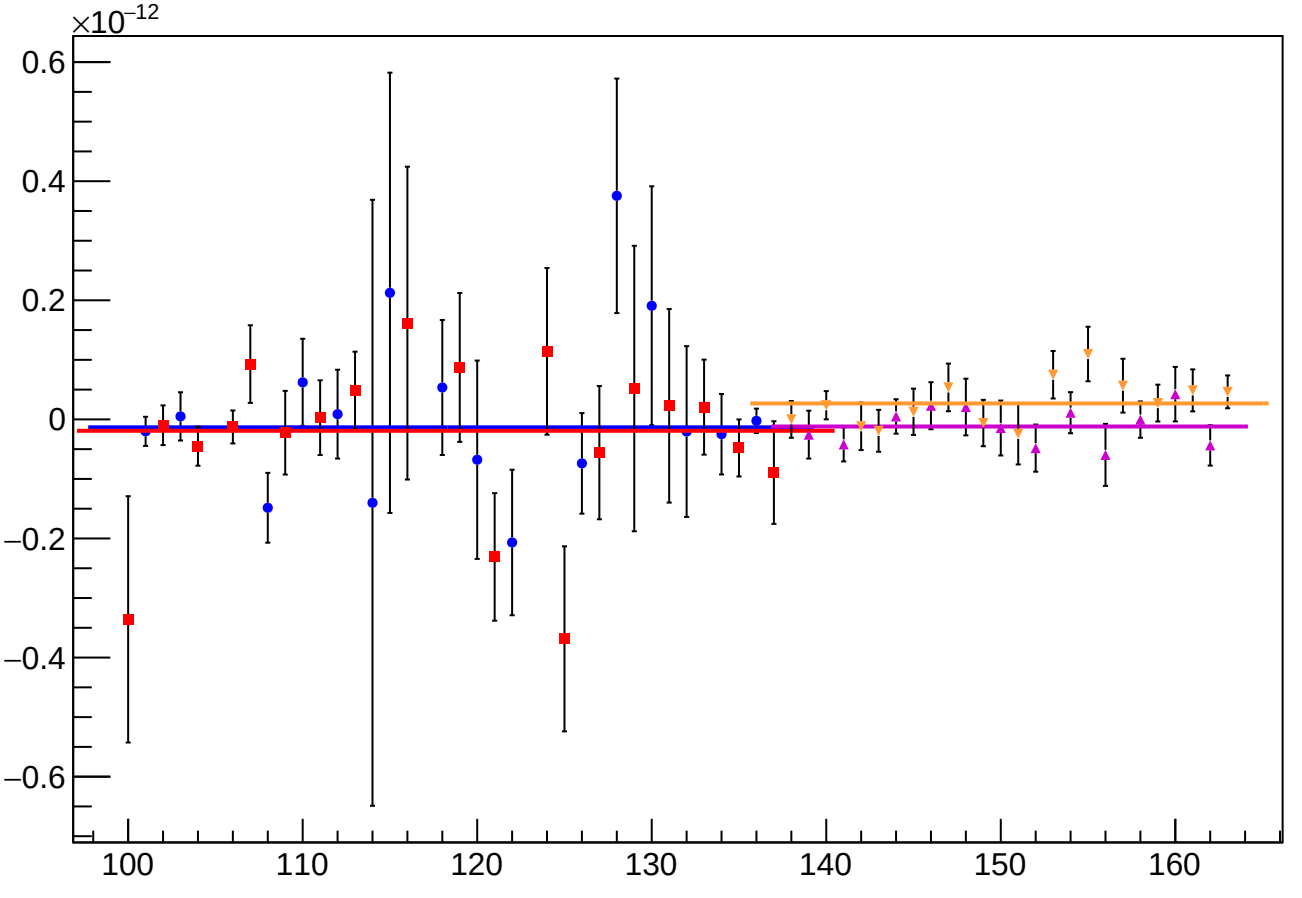
Left In: 1001.451+/-0.222 χ^2/NDF:354611.0/11

+ sign 722.821+/-0.131 χ^2/NDF: 6315753.1/29

All: 728.376+/-0.094 χ^2/NDF: 11927504.6/60

- sign 734.207+/-0.134 χ^2/NDF: 5608071.4/30

asym_sam6_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:11.8/13

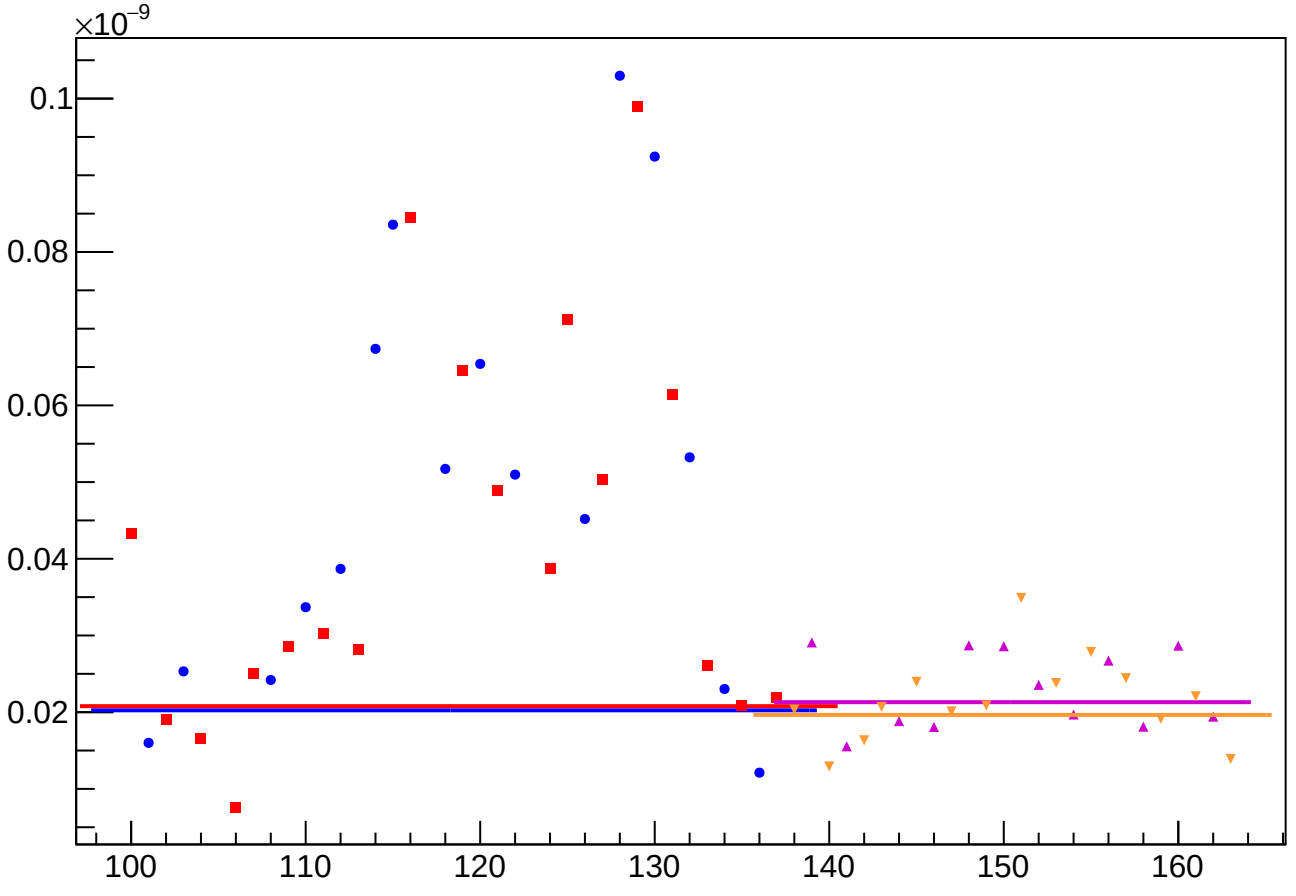
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/29

All: 0.000+/-0.000 χ^2/NDF: 67.3/60

- sign -0.000+/-0.000 χ^2/NDF: 27.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:586393.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

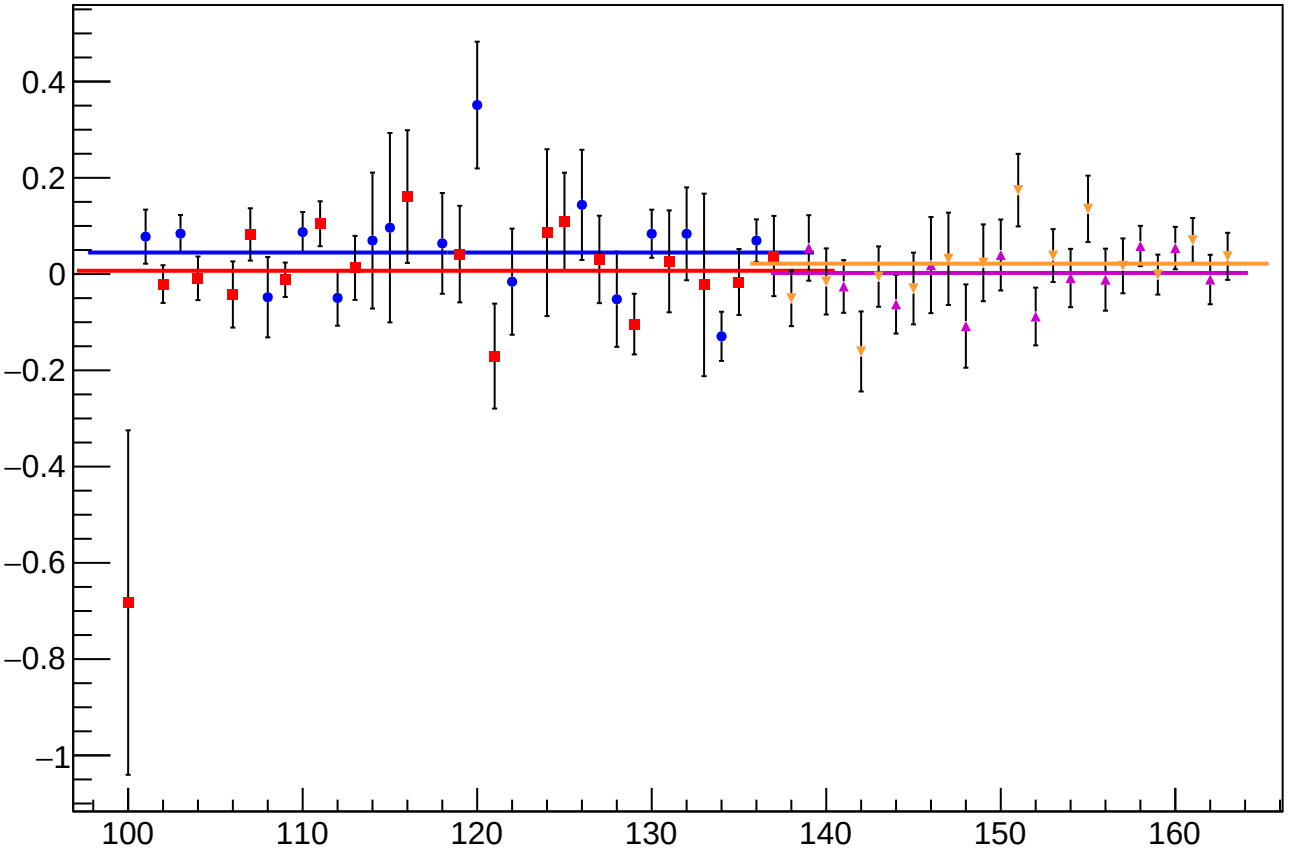
Left In: 0.000+/-0.000 χ^2/NDF:395092.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 2593906.9/29

All: 0.000+/-0.000 χ^2/NDF: 4871434.9/60

- sign 0.000+/-0.000 χ^2/NDF: 2252761.0/30

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

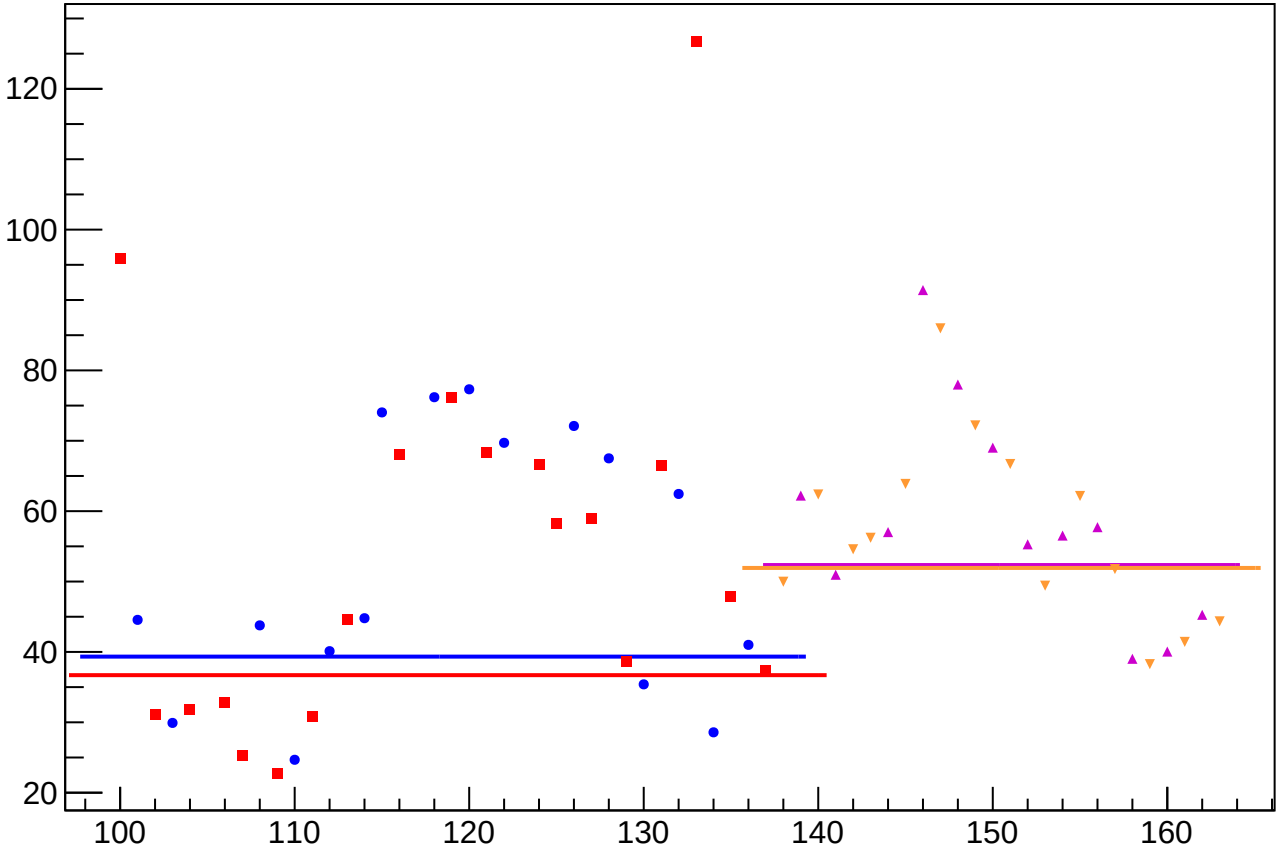
Left In: 0.002+/-0.017 χ^2/NDF:9.5/11

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.2/60

- sign 0.005+/-0.011 χ^2/NDF: 29.7/30

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

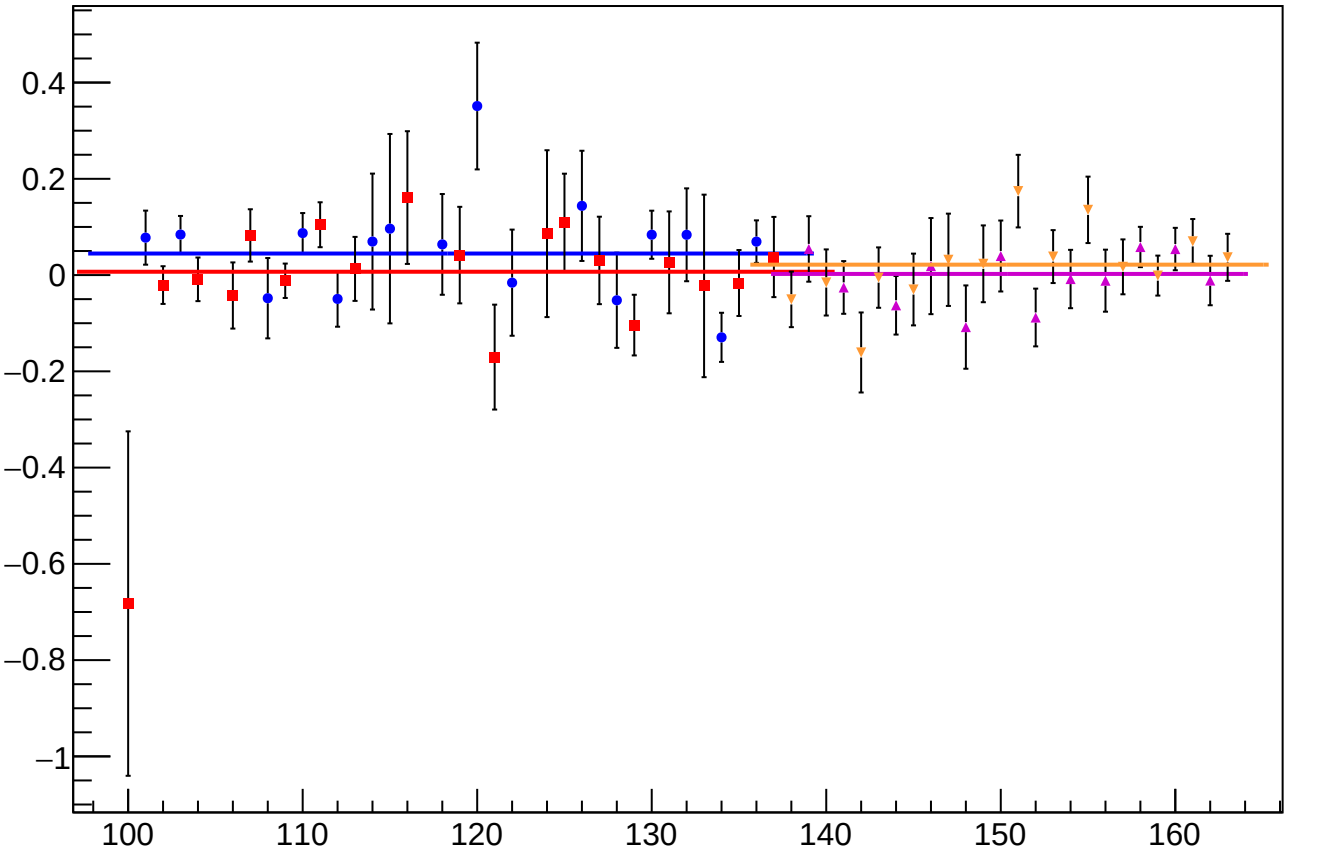
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.345+/-0.012 χ^2/NDF:1063607.2/11

+ sign 45.592+/-0.008 χ^2/NDF: 3165209.5/29

All: 44.608+/-0.006 χ^2/NDF: 7306515.3/60

- sign 43.641+/-0.008 χ^2/NDF: 4111606.7/30



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

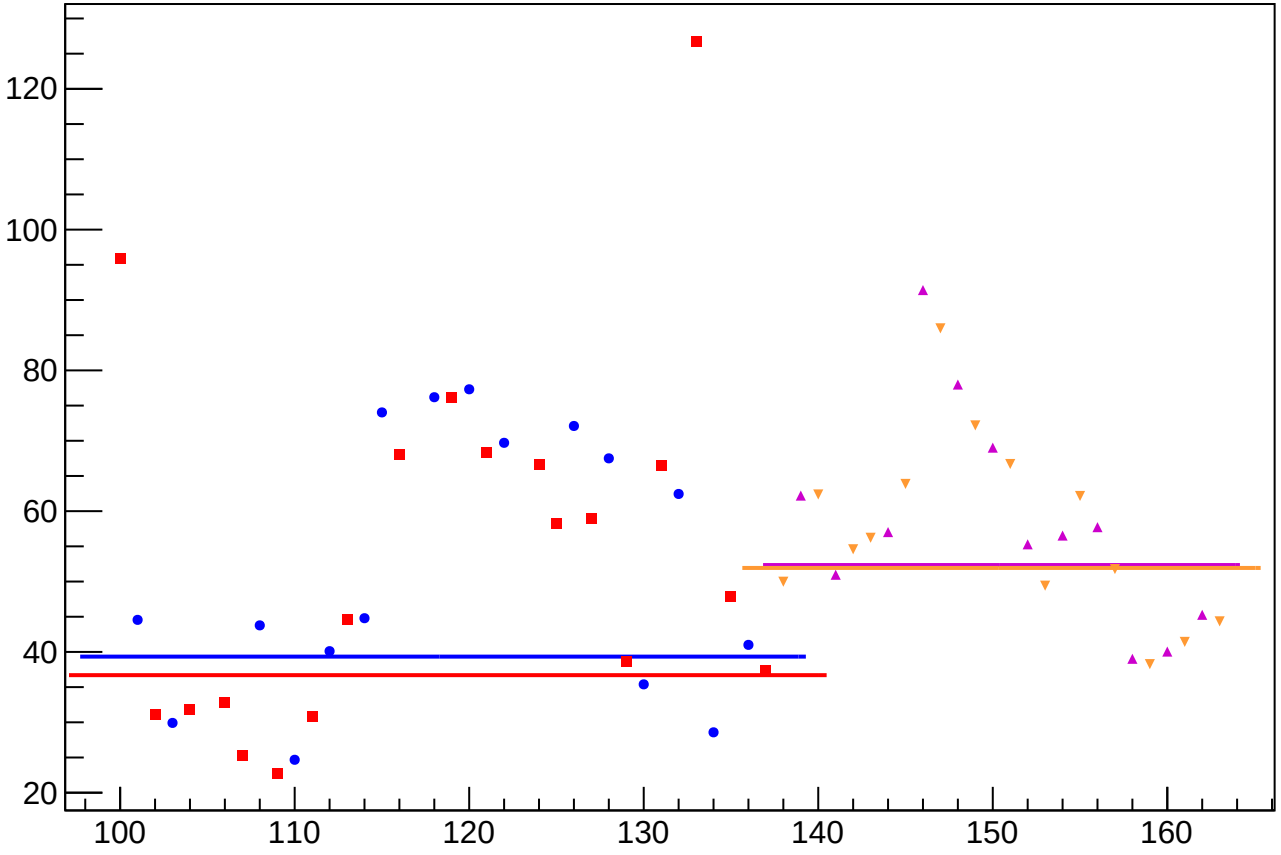
Left In: 0.002+/-0.017 χ^2/NDF:9.5/11

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.2/60

- sign 0.005+/-0.011 χ^2/NDF: 29.7/30

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

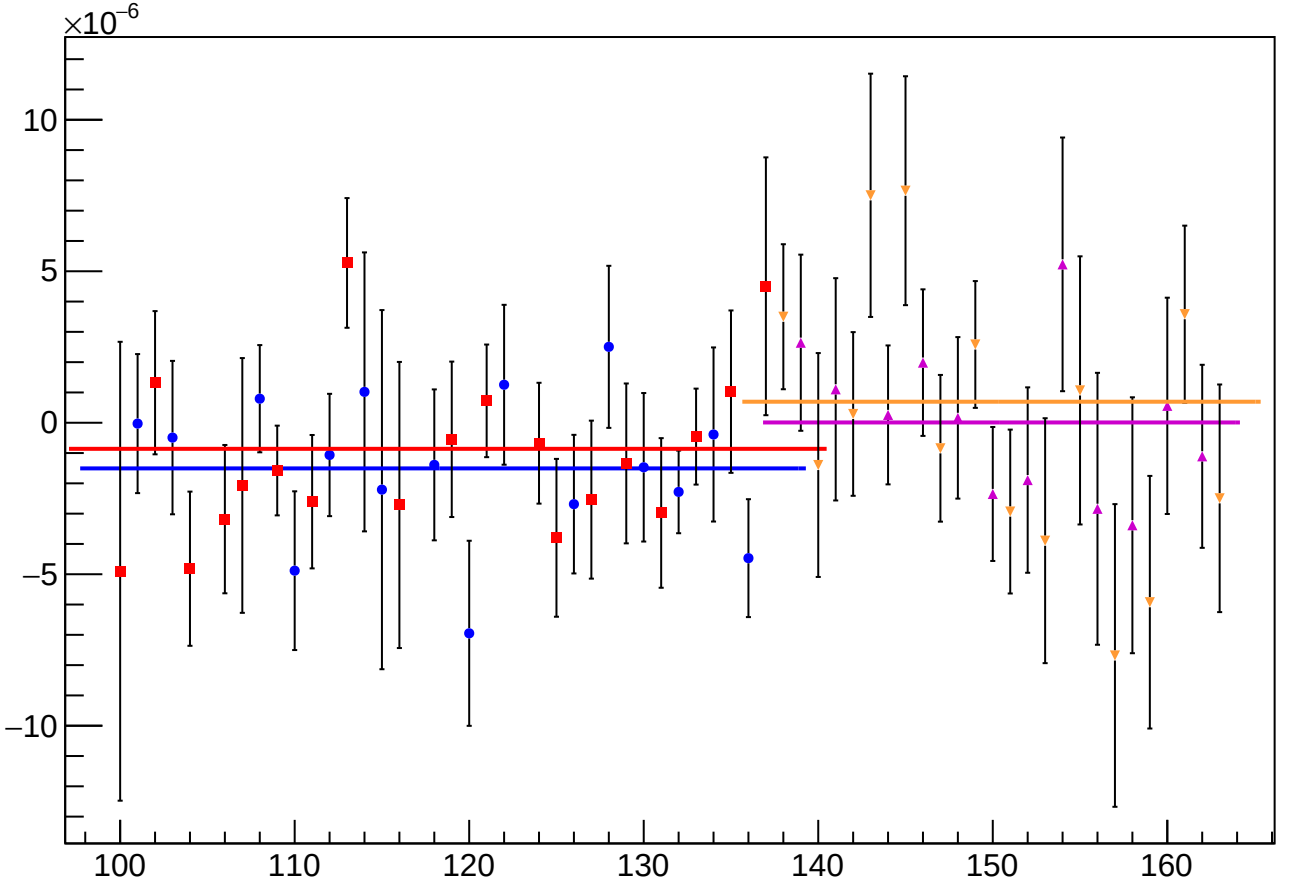
Left In: 52.345+/-0.012 χ^2/NDF:1063607.2/11

+ sign 45.592+/-0.008 χ^2/NDF: 3165209.5/29

All: 44.608+/-0.006 χ^2/NDF: 7306515.3/60

- sign 43.641+/-0.008 χ^2/NDF: 4111606.7/30

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

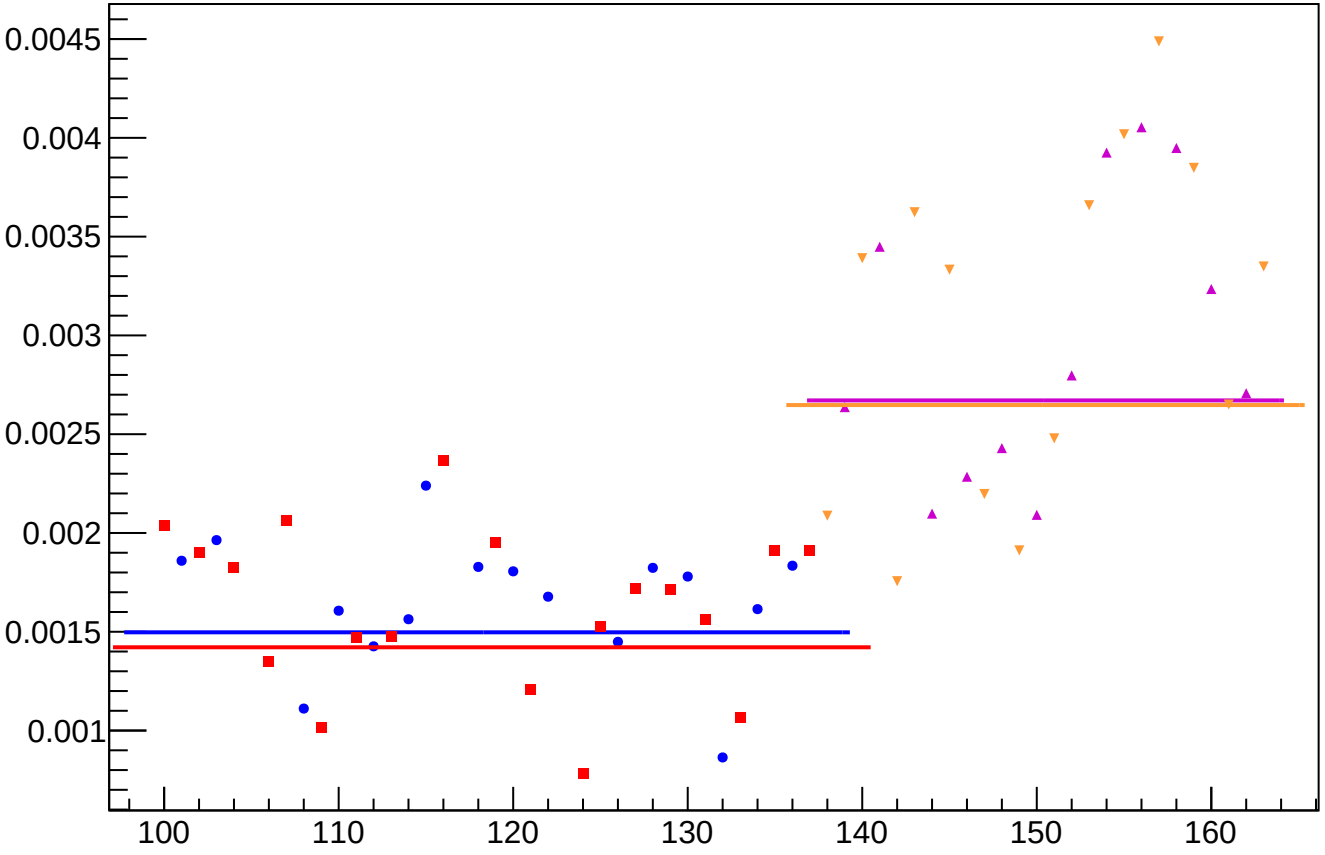
Left In: 0.000+/-0.000 χ^2/NDF:5.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 37.9/29

All: -0.000+/-0.000 χ^2/NDF: 63.7/60

- sign -0.000+/-0.000 χ^2/NDF: 25.7/30

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:1740553.6/13

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

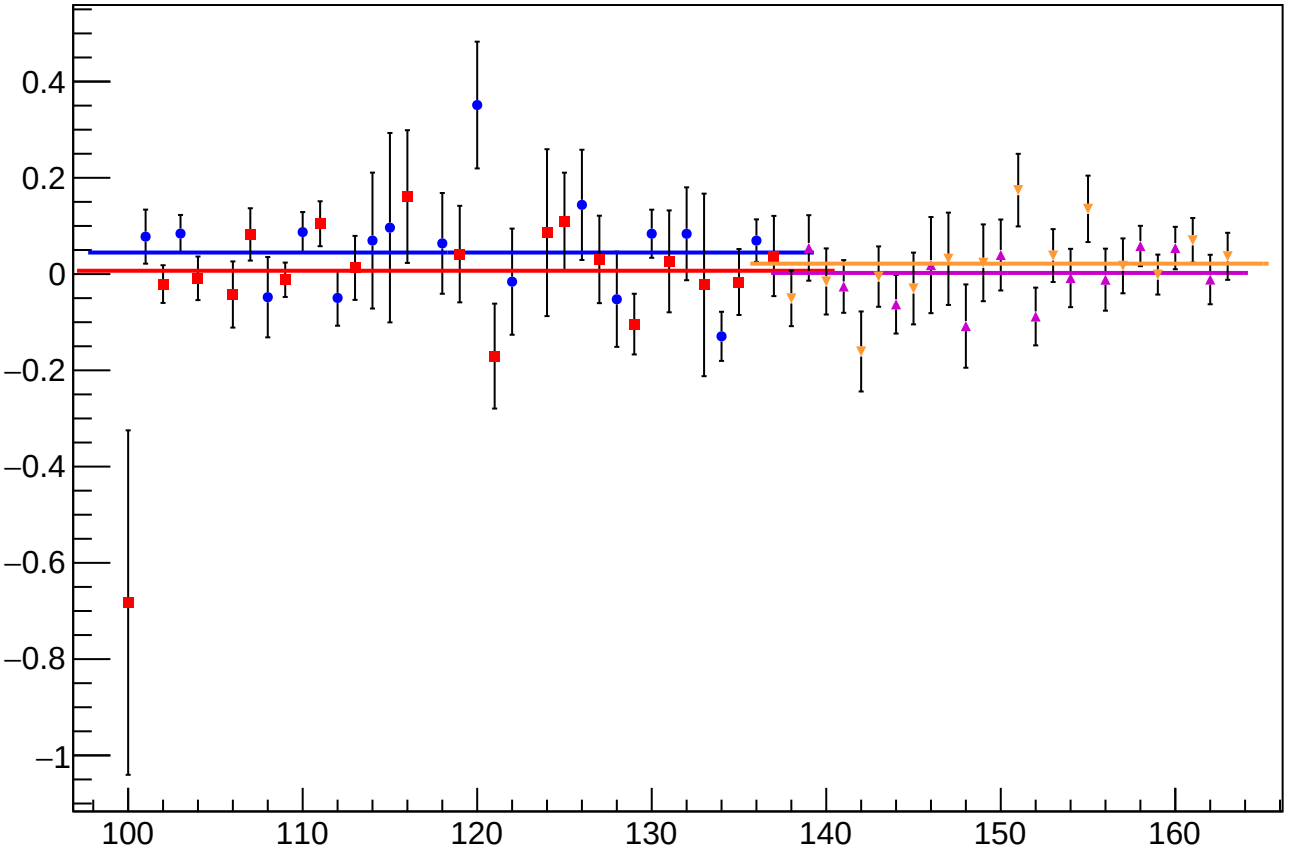
Left In: 0.003+/-0.000 χ^2/NDF:1025596.1/11

+ sign 0.002+/-0.000 χ^2/NDF: 5185127.1/29

All: 0.002+/-0.000 χ^2/NDF: 10276299.1/60

- sign 0.002+/-0.000 χ^2/NDF: 5048669.6/30

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

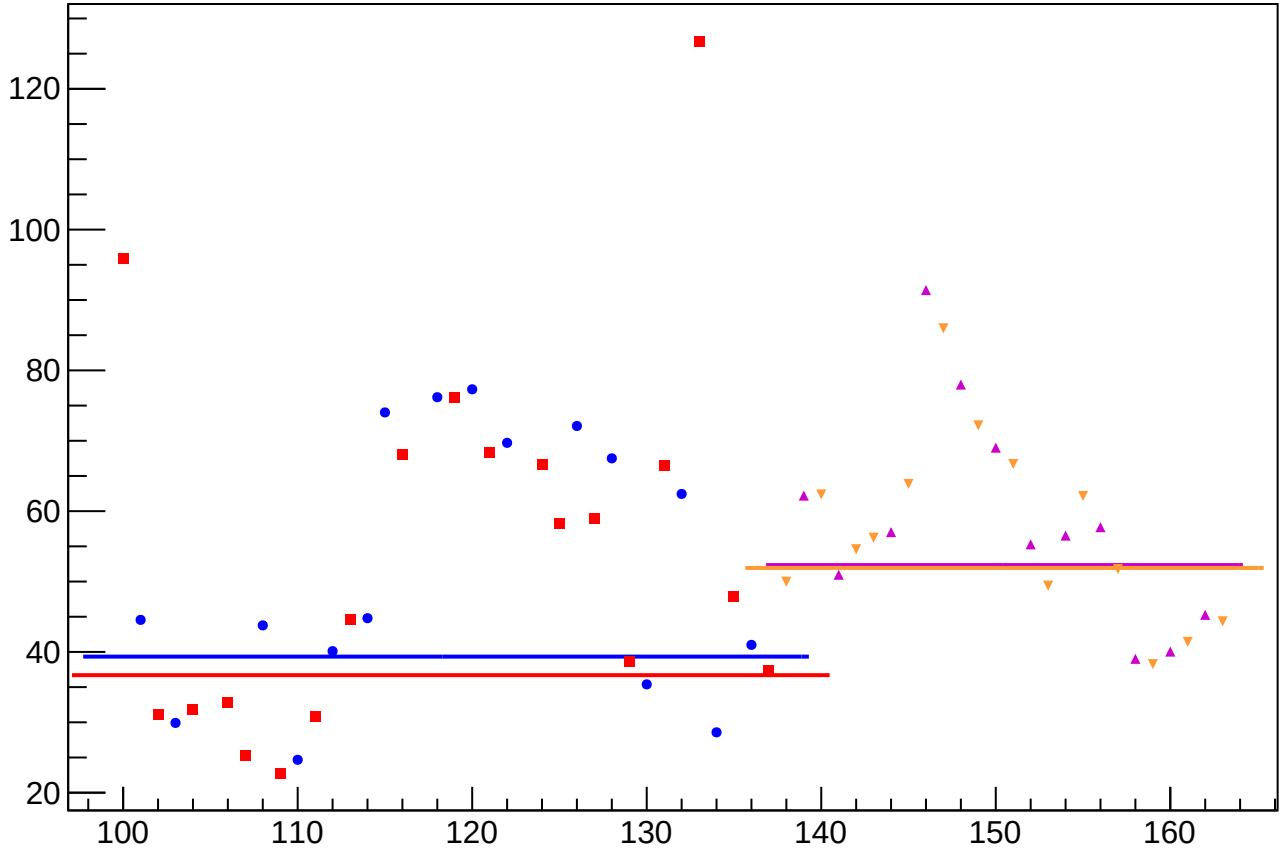
Left In: 0.002+/-0.017 χ^2/NDF:9.5/11

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.2/60

- sign 0.005+/-0.011 χ^2/NDF: 29.7/30

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

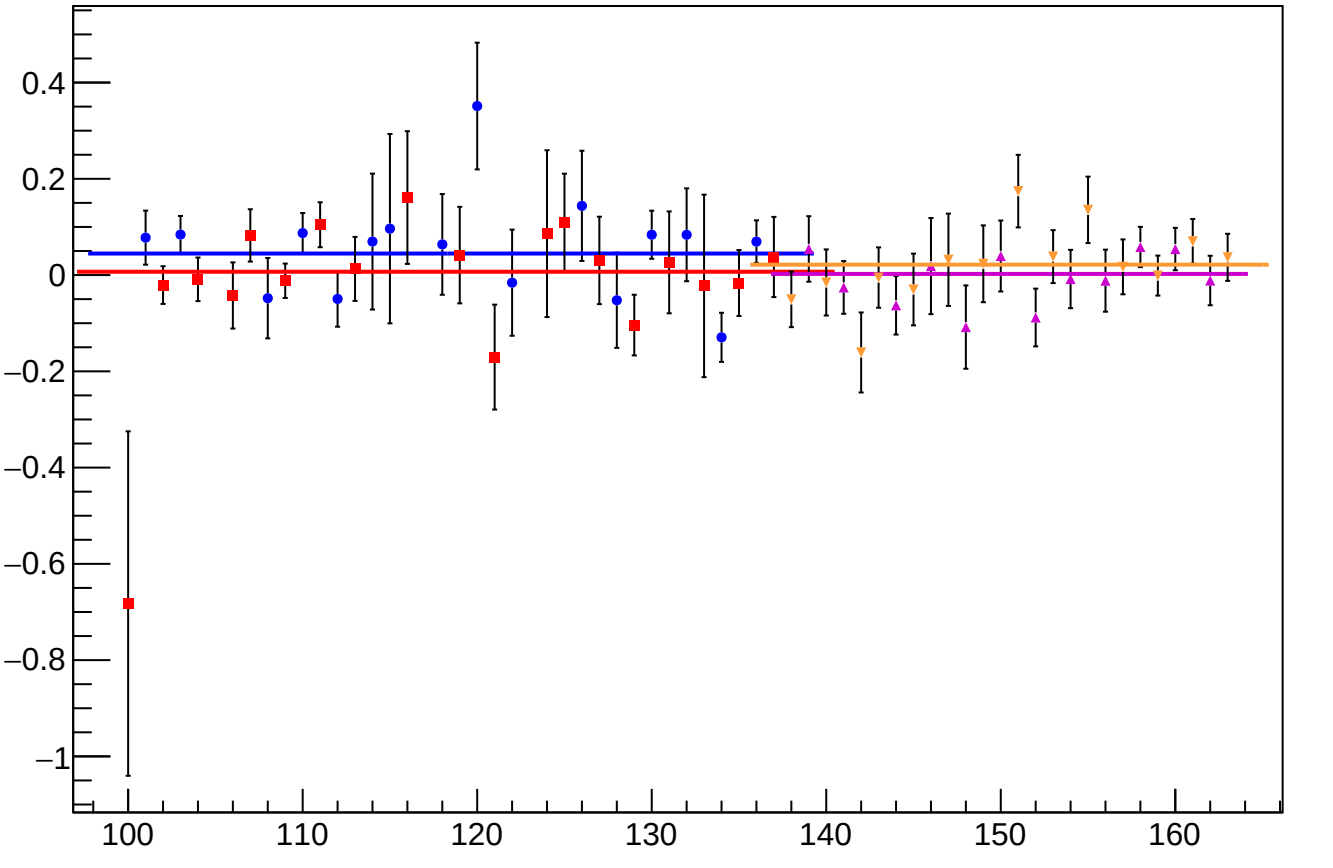
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.343+/-0.012 χ^2/NDF:1063732.2/11

+ sign 45.591+/-0.008 χ^2/NDF: 3165272.5/29

All: 44.608+/-0.006 χ^2/NDF: 7306599.4/60

- sign 43.641+/-0.008 χ^2/NDF: 4111630.9/30



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

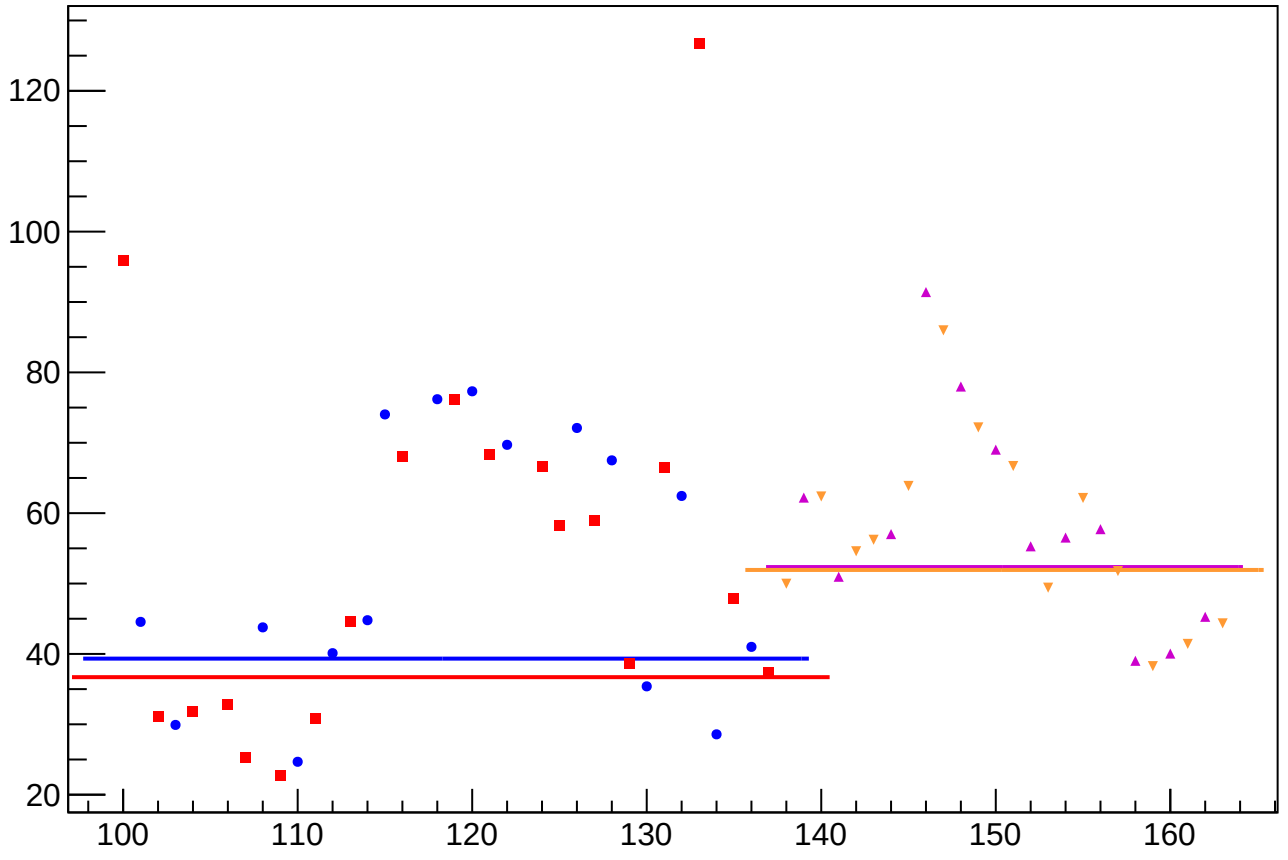
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.002+/-0.017 χ^2/NDF:9.5/11

+ sign 0.033+/-0.011 χ^2/NDF: 43.4/29

All: 0.019+/-0.008 χ^2/NDF: 76.2/60

- sign 0.005+/-0.011 χ^2/NDF: 29.7/30



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

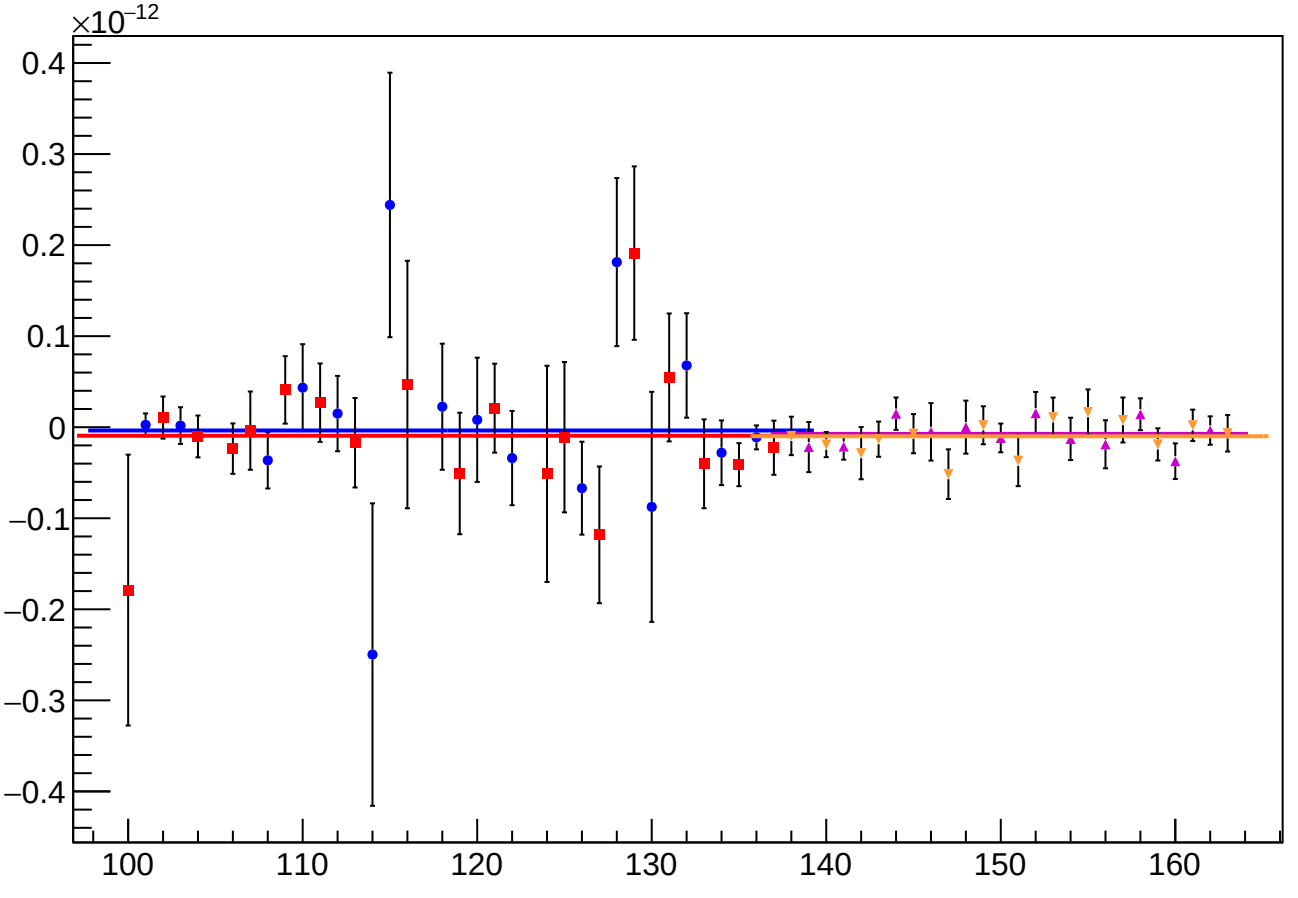
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.343+/-0.012 χ^2/NDF:1063732.2/11

+ sign 45.591+/-0.008 χ^2/NDF: 3165272.5/29

All: 44.608+/-0.006 χ^2/NDF: 7306599.4/60

- sign 43.641+/-0.008 χ^2/NDF: 4111630.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

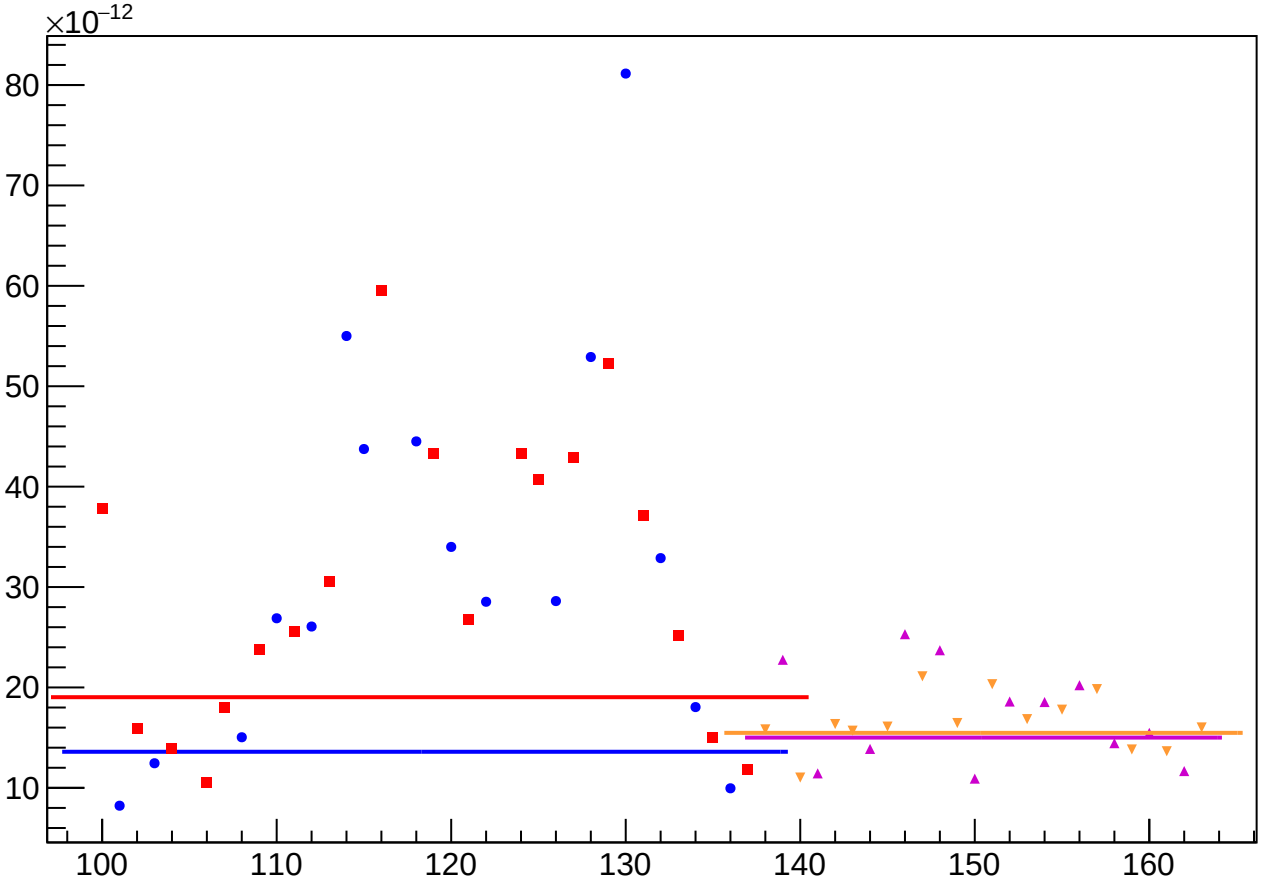
Left In: -0.000+/-0.000 χ^2/NDF:8.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.9/29

All: -0.000+/-0.000 χ^2/NDF: 48.7/60

- sign -0.000+/-0.000 χ^2/NDF: 23.8/30

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:491761.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

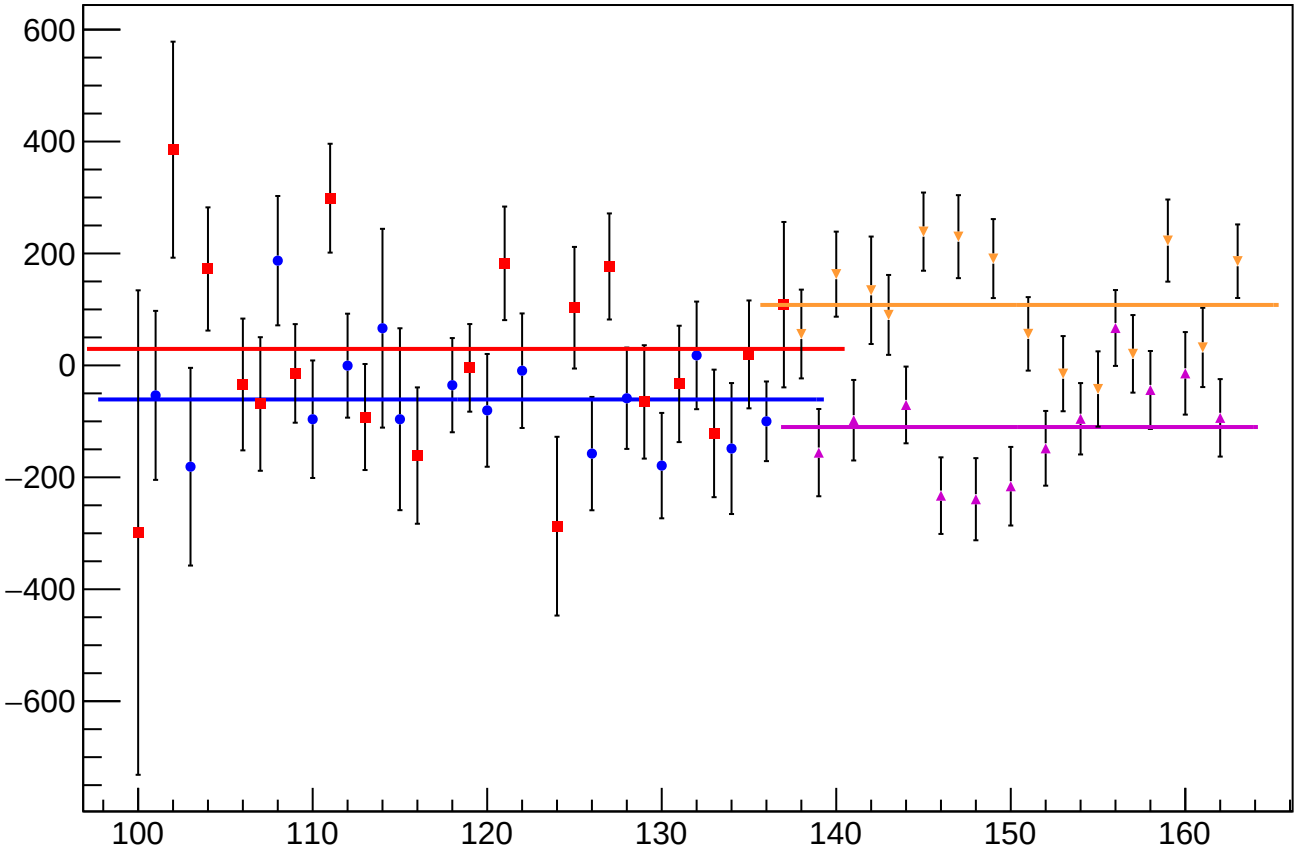
Left In: 0.000+/-0.000 χ^2/NDF:1081459.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 3764916.7/29

All: 0.000+/-0.000 χ^2/NDF: 7263338.1/60

- sign 0.000+/-0.000 χ^2/NDF: 3411411.0/30

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.032+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

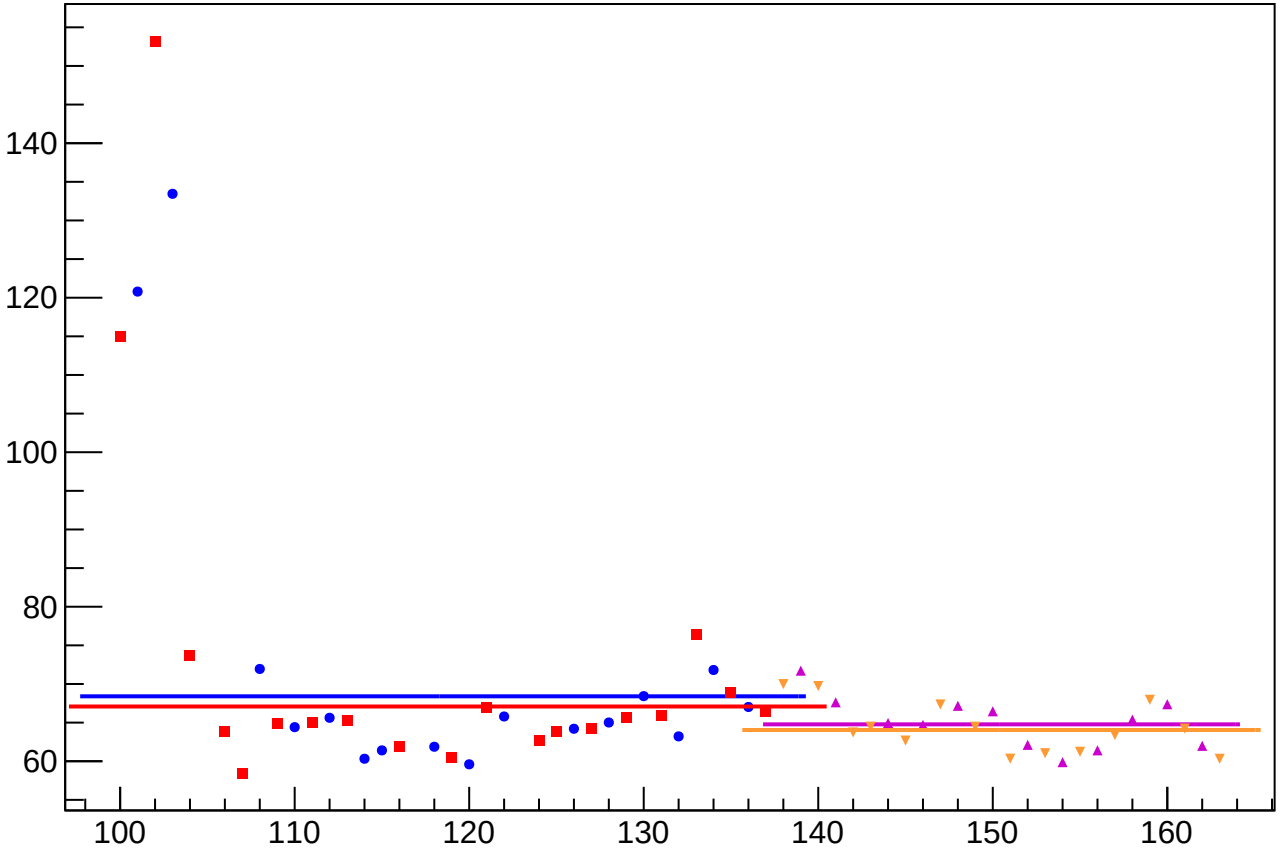
Left In: -110.123+/-20.164 χ^2/NDF:19.1/11

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -2.369+/-11.015 χ^2/NDF: 153.5/60

- sign -55.389+/-15.721 χ^2/NDF: 69.1/30

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

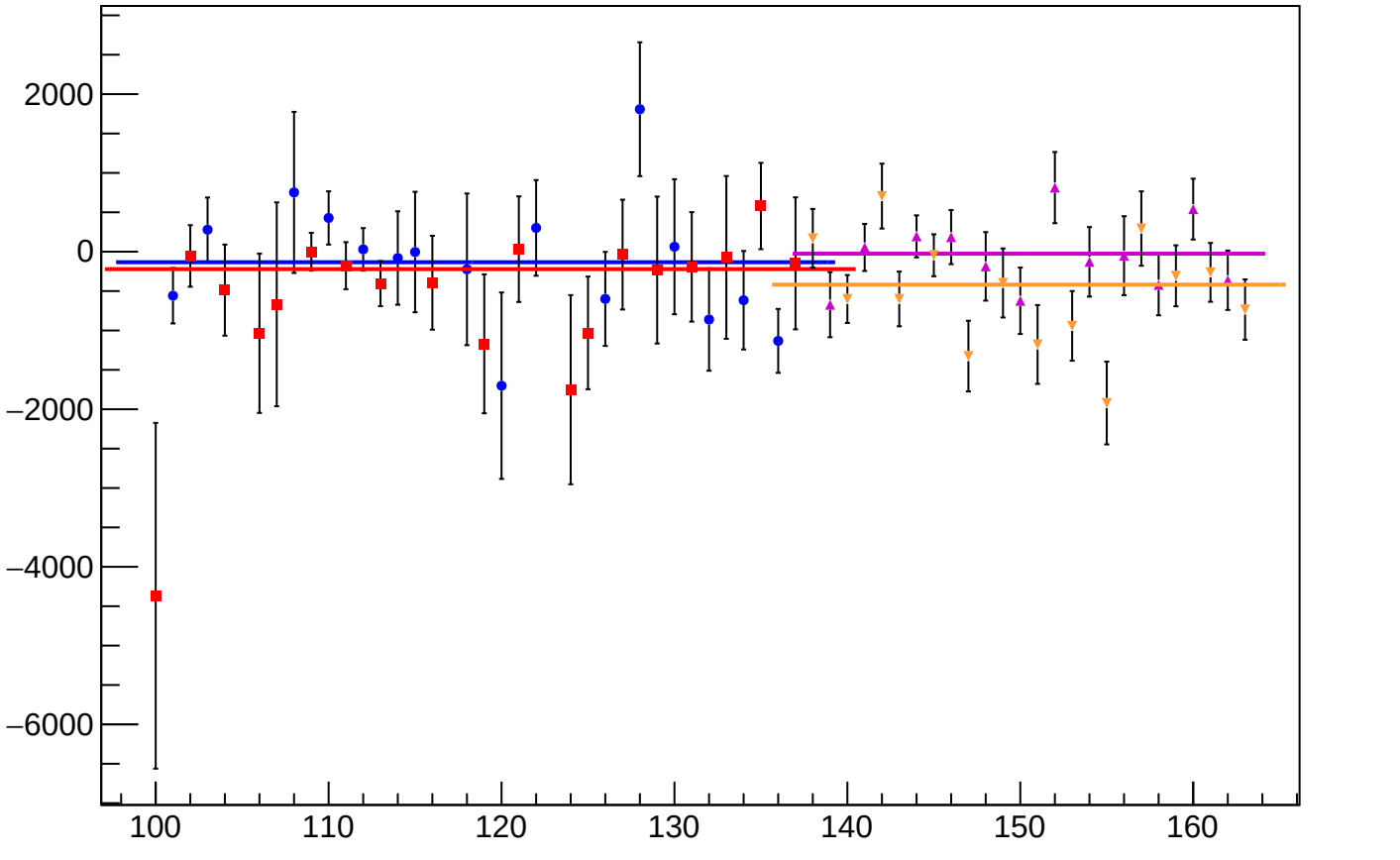
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

+ sign 65.573+/-0.011 χ^2/NDF: 659466.6/29

All: 65.626+/-0.008 χ^2/NDF: 1199706.6/60

- sign 65.681+/-0.011 χ^2/NDF: 540191.8/30



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

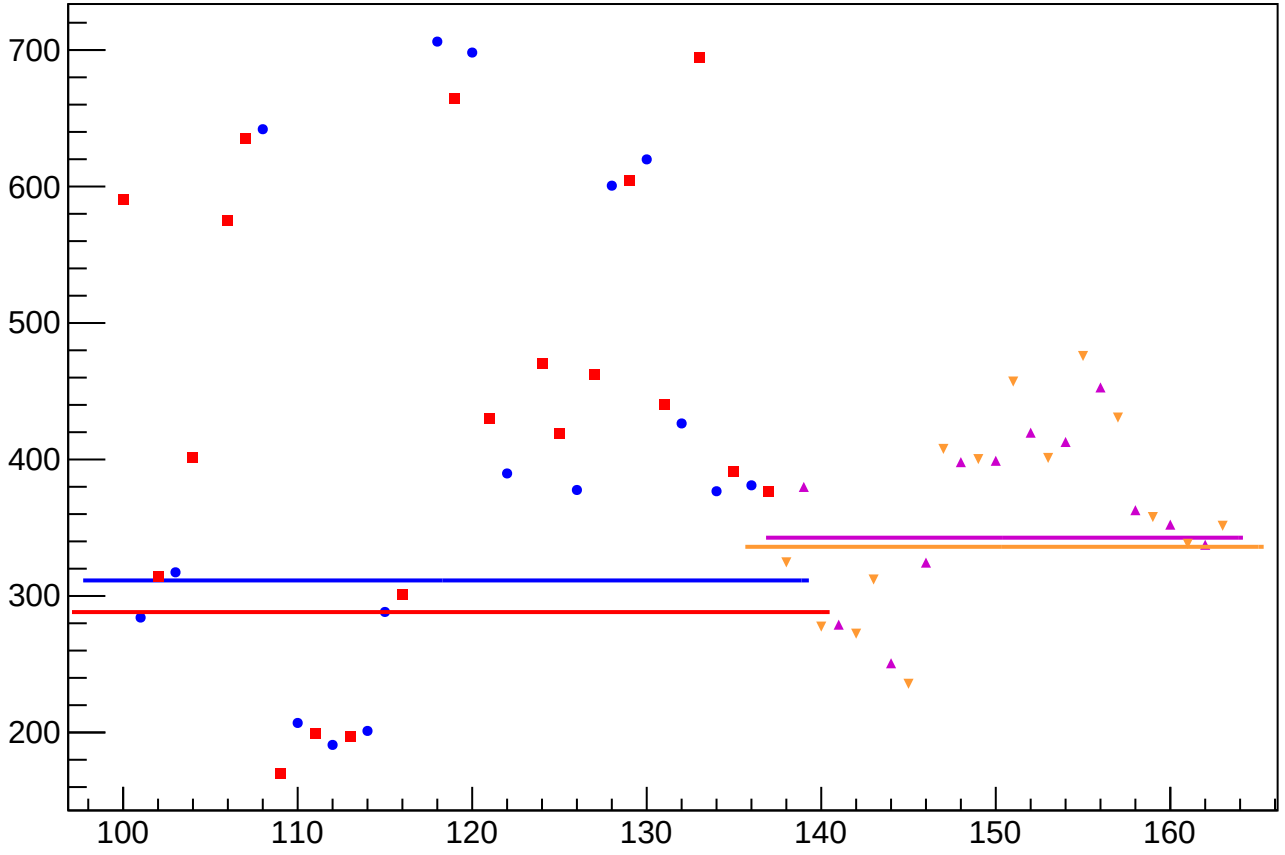
Left In: -25.198+/-108.464 χ^2/NDF:13.2/11

+ sign -304.209+/-79.696 χ^2/NDF: 57.2/29

All: -209.810+/-56.386 χ^2/NDF: 87.3/60

- sign -115.196+/-79.787 χ^2/NDF: 27.3/30

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 336.031+/-0.073 χ^2/NDF:903512.0/13

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

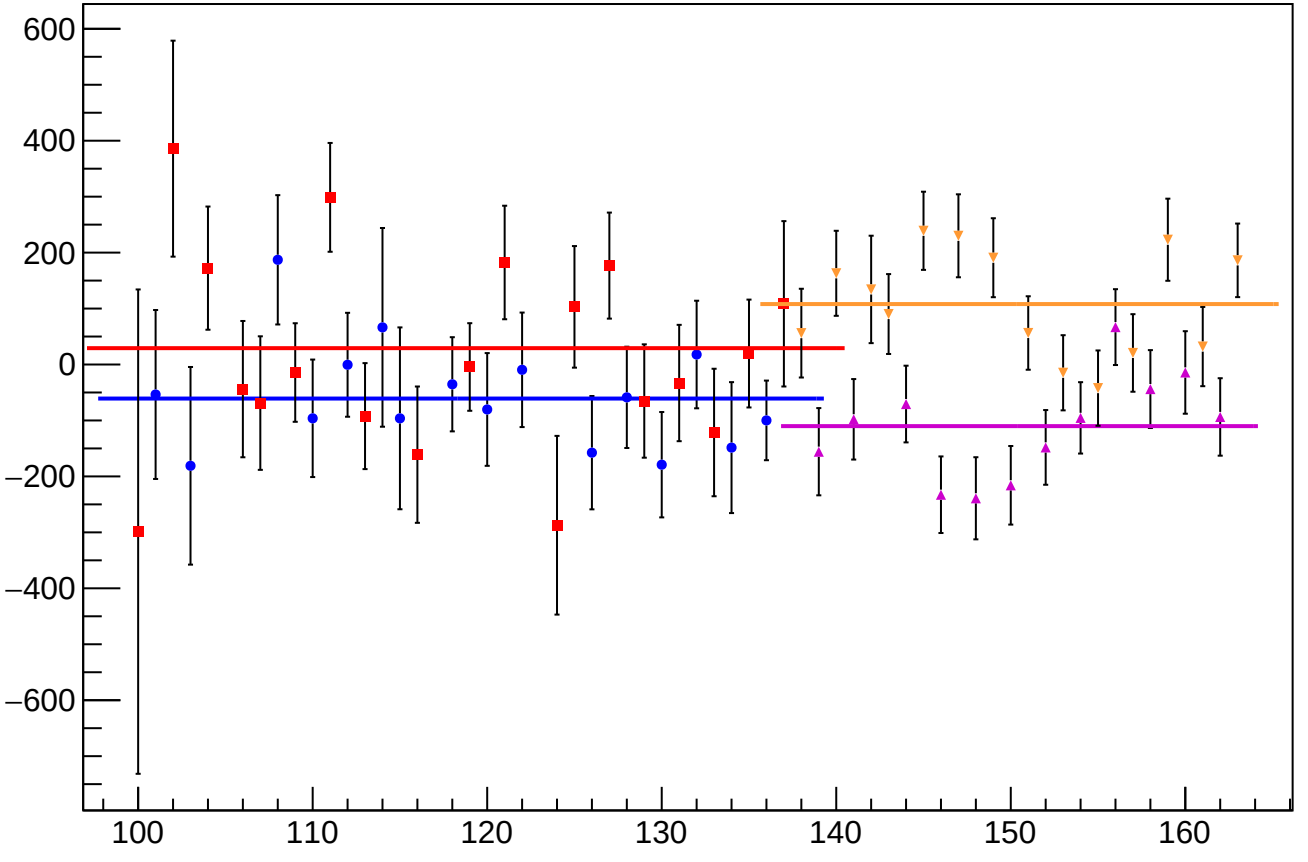
Left In: 342.709+/-0.077 χ^2/NDF:631357.8/11

+ sign 326.157+/-0.056 χ^2/NDF: 3073237.6/29

All: 321.932+/-0.040 χ^2/NDF: 6662980.8/60

- sign 317.698+/-0.056 χ^2/NDF: 3578492.0/30

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

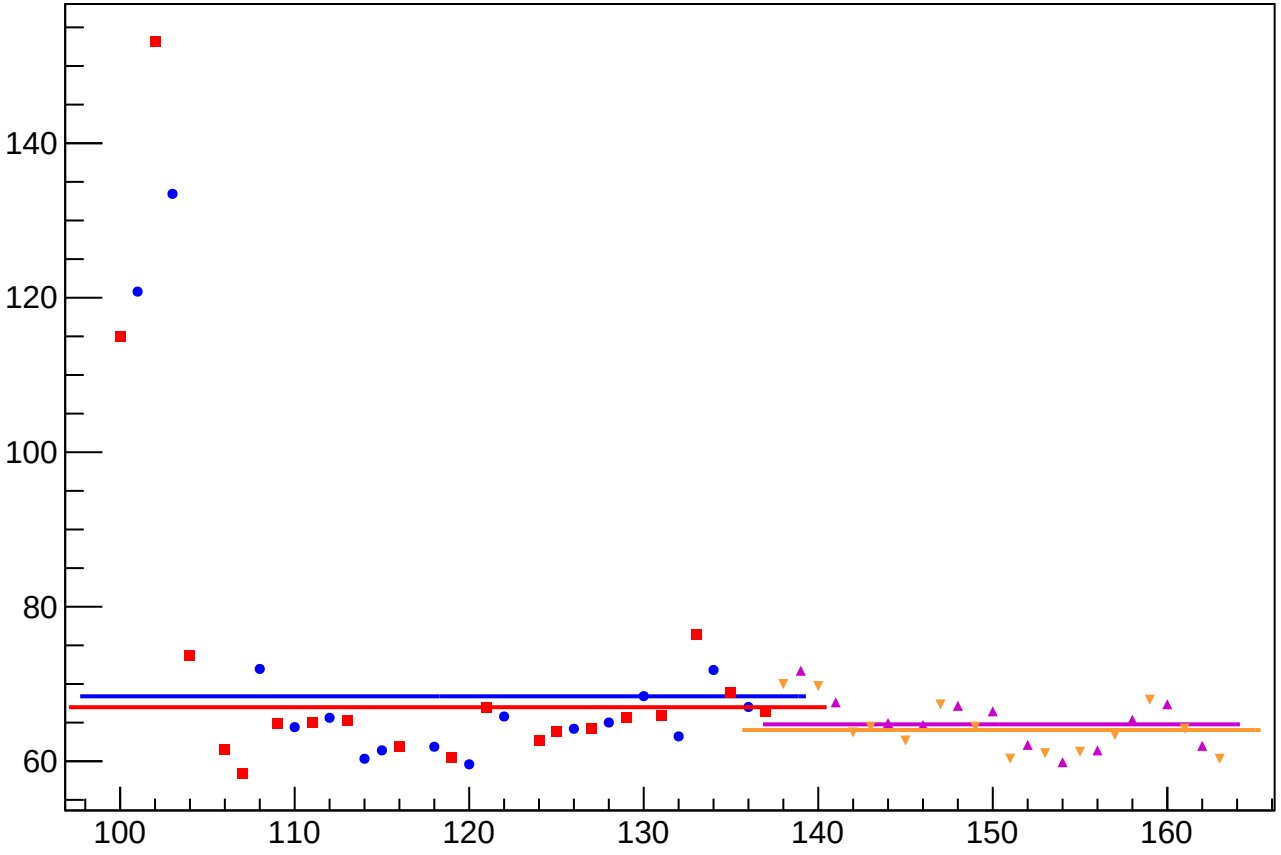
Left In: -110.123+/-20.164 χ^2/NDF:19.1/11

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -2.432+/-11.018 χ^2/NDF: 153.6/60

- sign -55.580+/-15.731 χ^2/NDF: 69.1/30

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

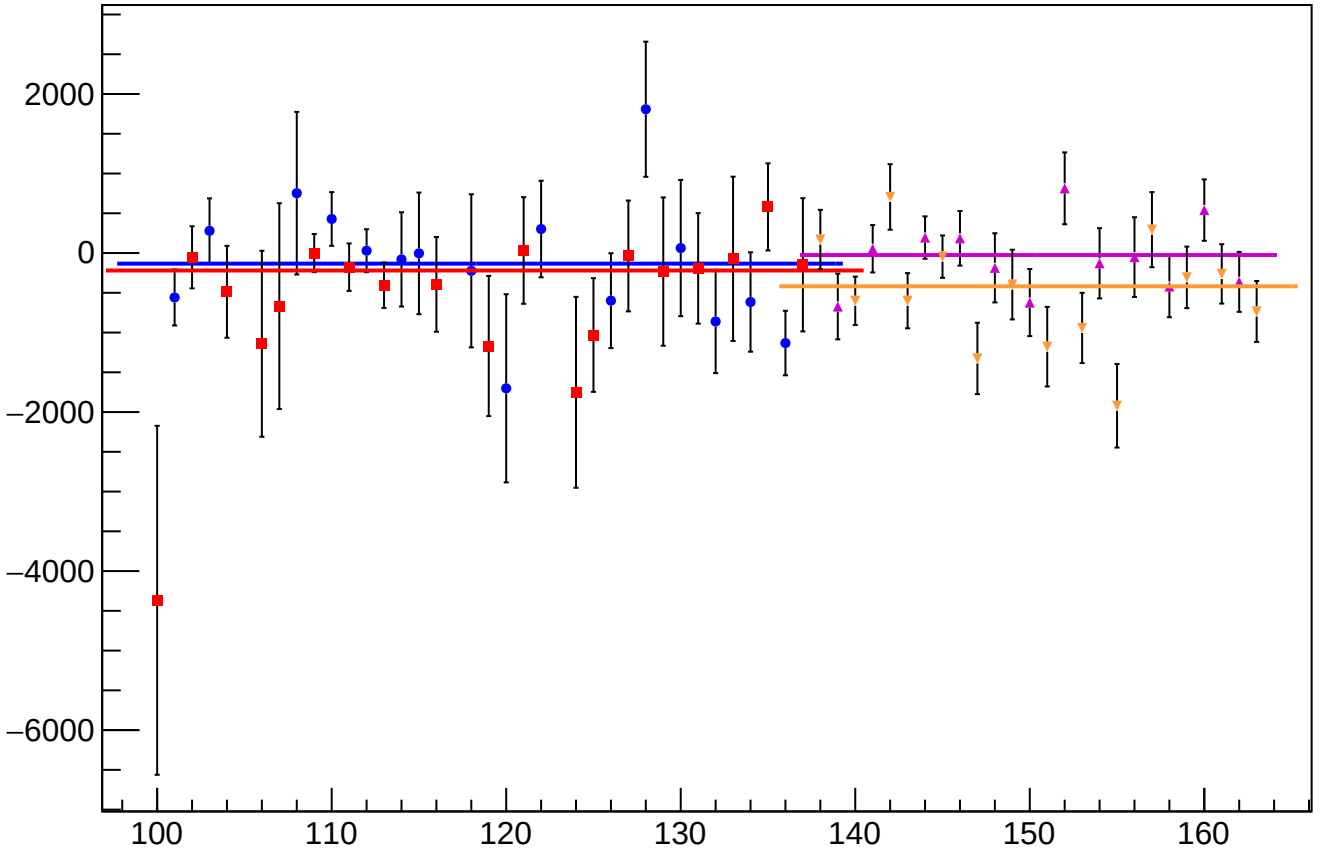
Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

+ sign 65.573+/-0.011 χ^2/NDF: 659467.0/29

All: 65.608+/-0.008 χ^2/NDF: 1201538.7/60

- sign 65.644+/-0.011 χ^2/NDF: 542051.1/30

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

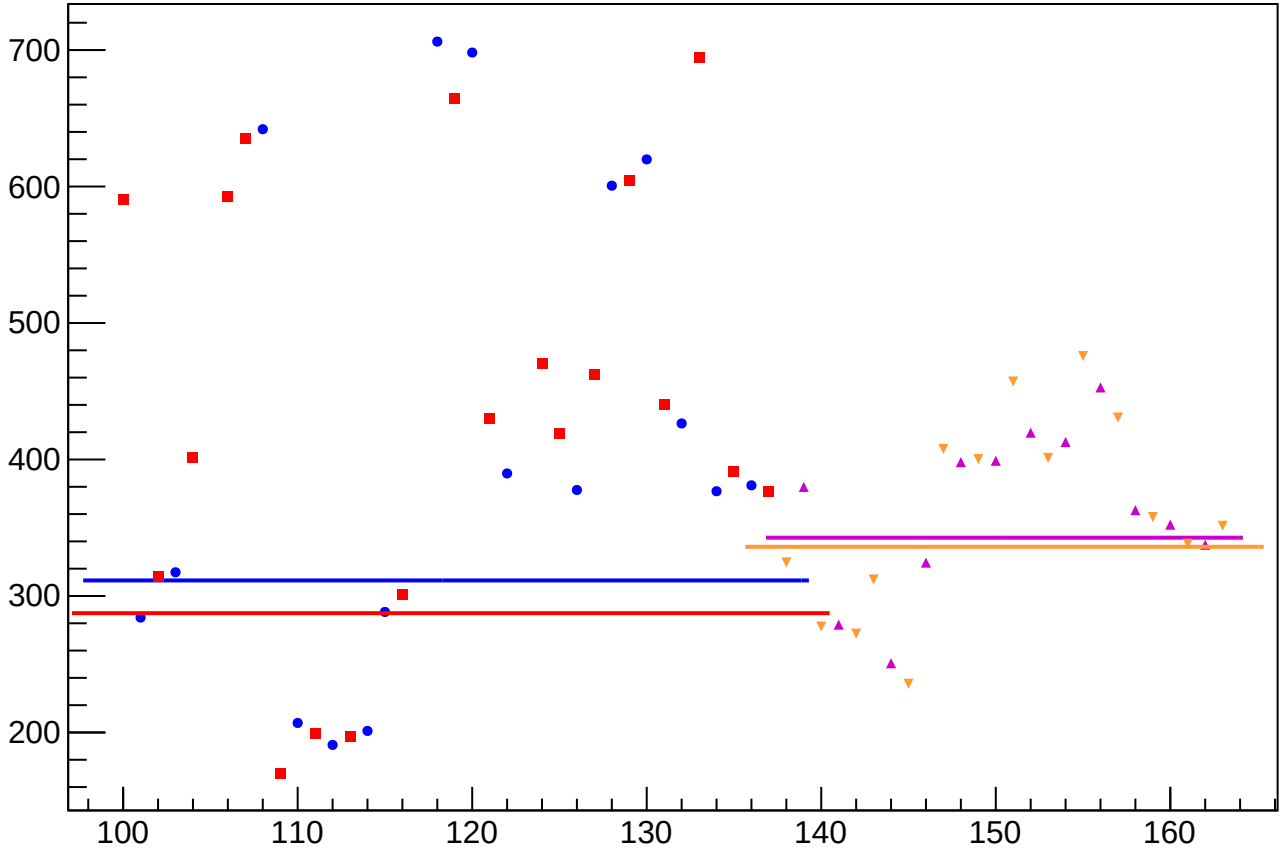
Left In: -25.192+/-108.464 χ^2/NDF:13.2/11

+ sign -304.208+/-79.696 χ^2/NDF: 57.2/29

All: -209.409+/-56.408 χ^2/NDF: 87.3/60

- sign -114.239+/-79.851 χ^2/NDF: 27.2/30

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

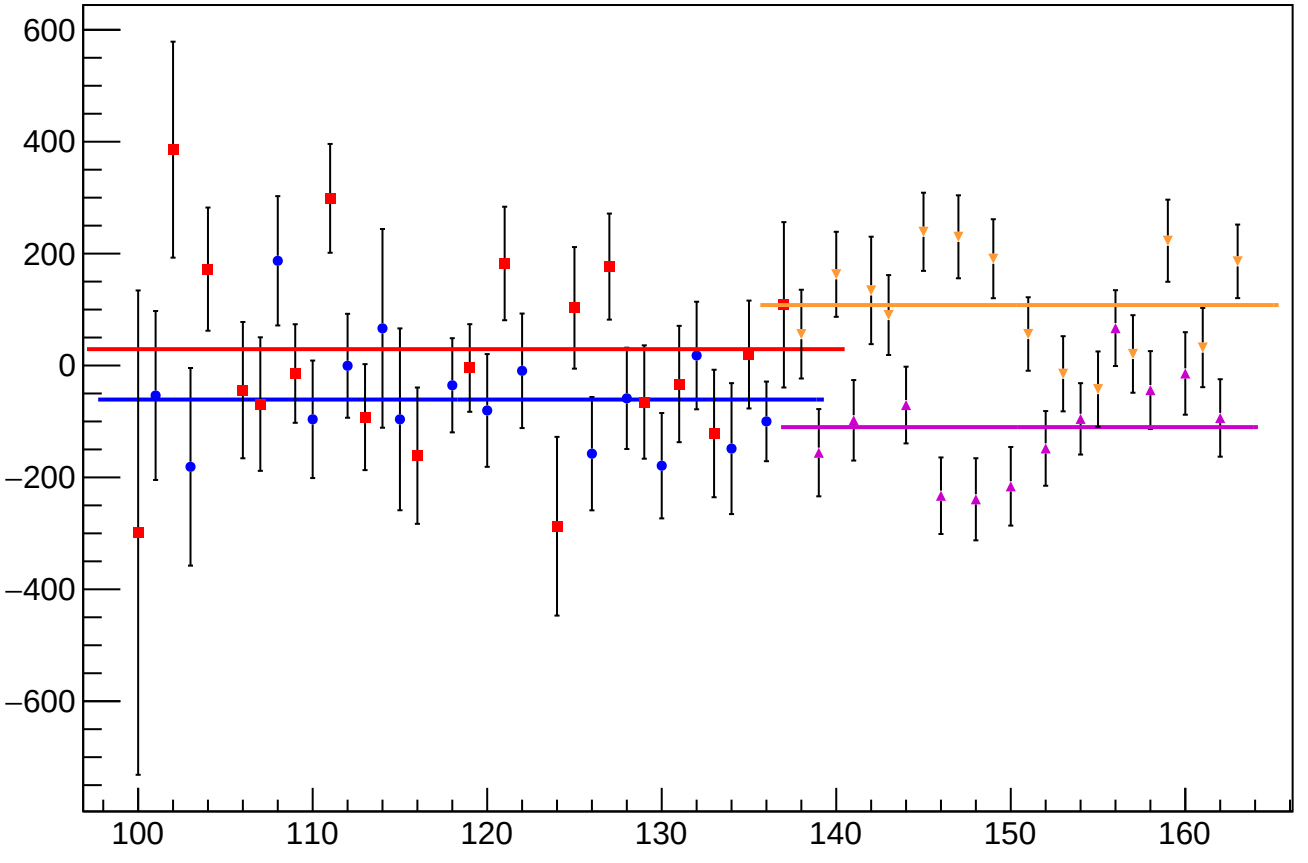
Left In: 342.710+/-0.077 χ^2/NDF:631354.8/11

+ sign 326.157+/-0.056 χ^2/NDF: 3073235.6/29

All: 321.779+/-0.040 χ^2/NDF: 6645029.4/60

- sign 317.383+/-0.056 χ^2/NDF: 3559696.8/30

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

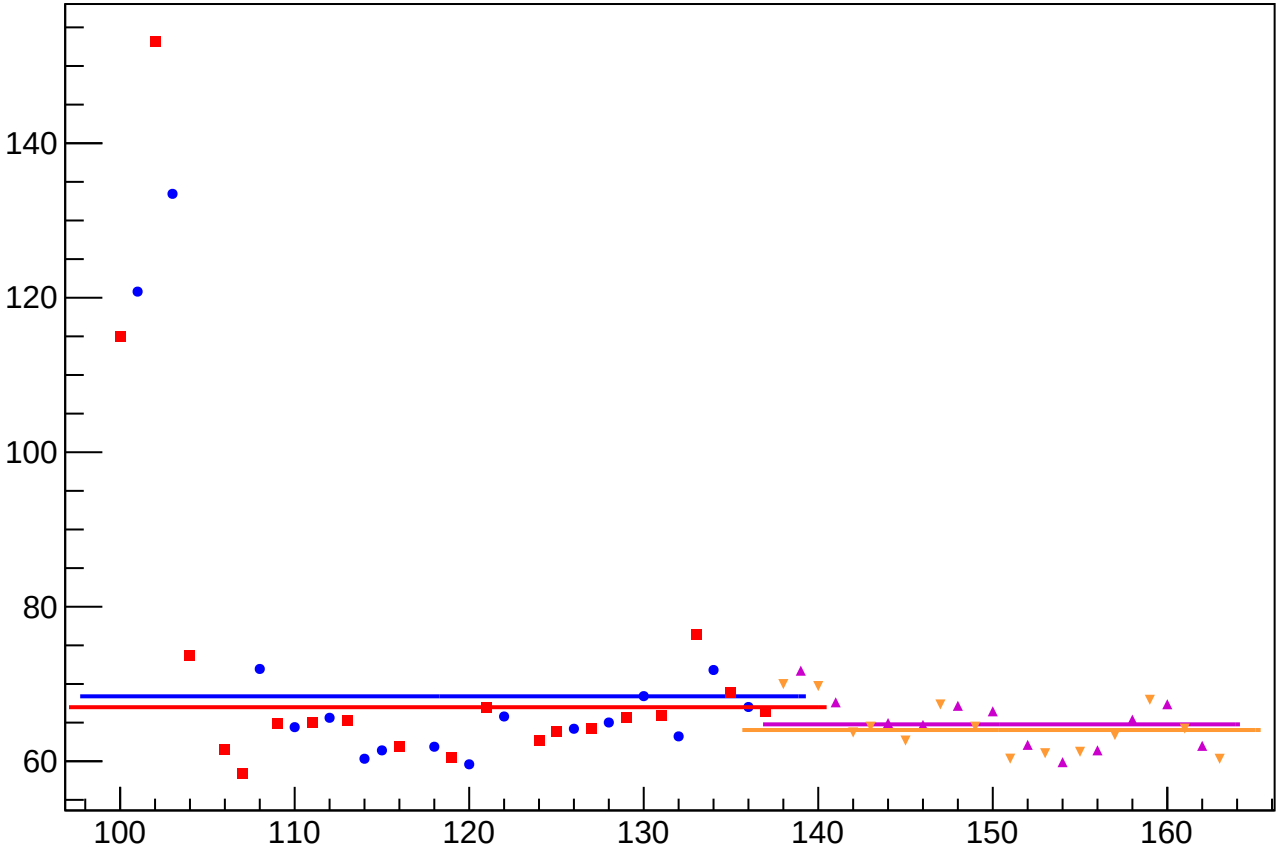
Left In: -110.123+/-20.164 χ^2/NDF:19.1/11

+ sign 48.749+/-15.436 χ^2/NDF: 62.1/29

All: -2.432+/-11.018 χ^2/NDF: 153.6/60

- sign -55.580+/-15.731 χ^2/NDF: 69.1/30

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

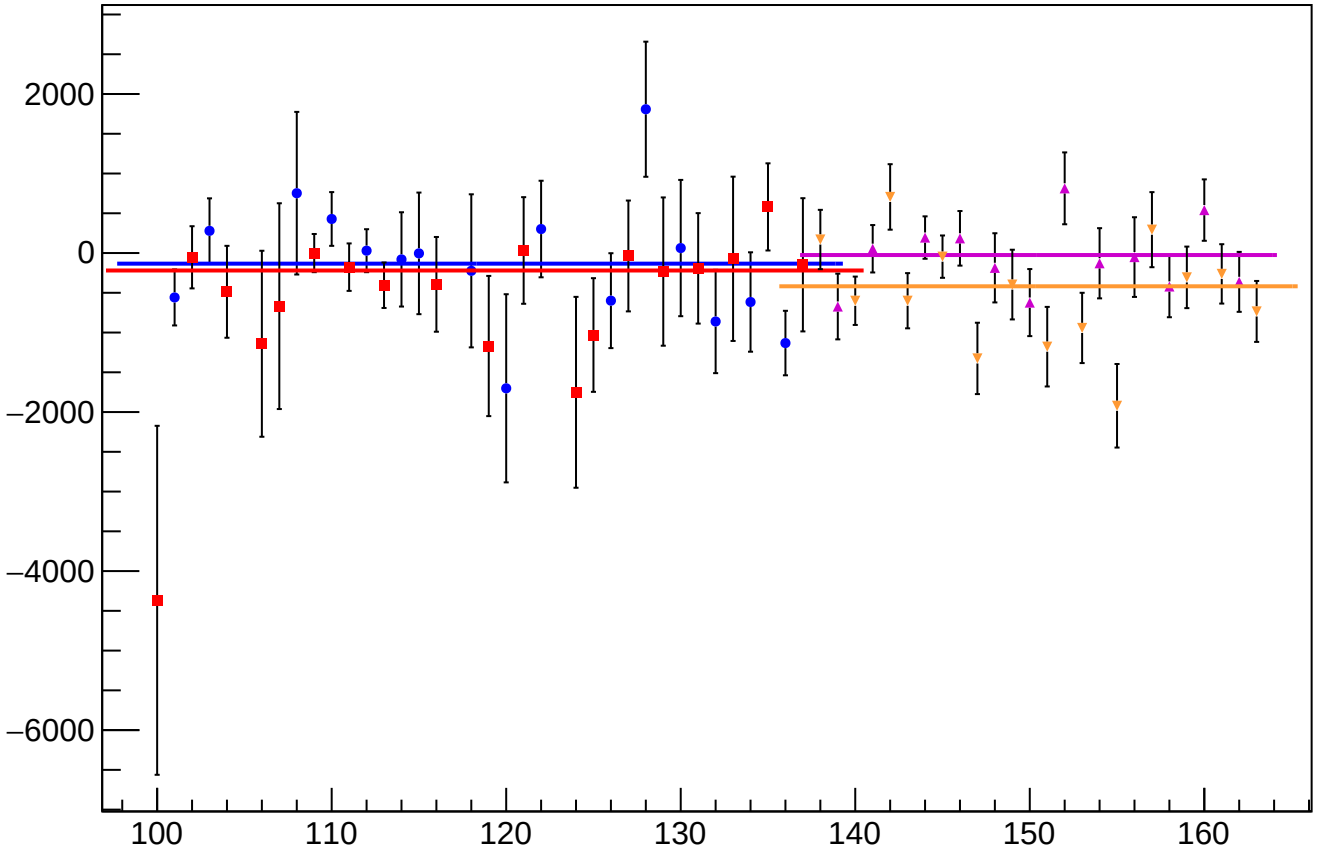
Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

+ sign 65.573+/-0.011 χ^2/NDF: 659467.0/29

All: 65.608+/-0.008 χ^2/NDF: 1201538.7/60

- sign 65.644+/-0.011 χ^2/NDF: 542051.1/30

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

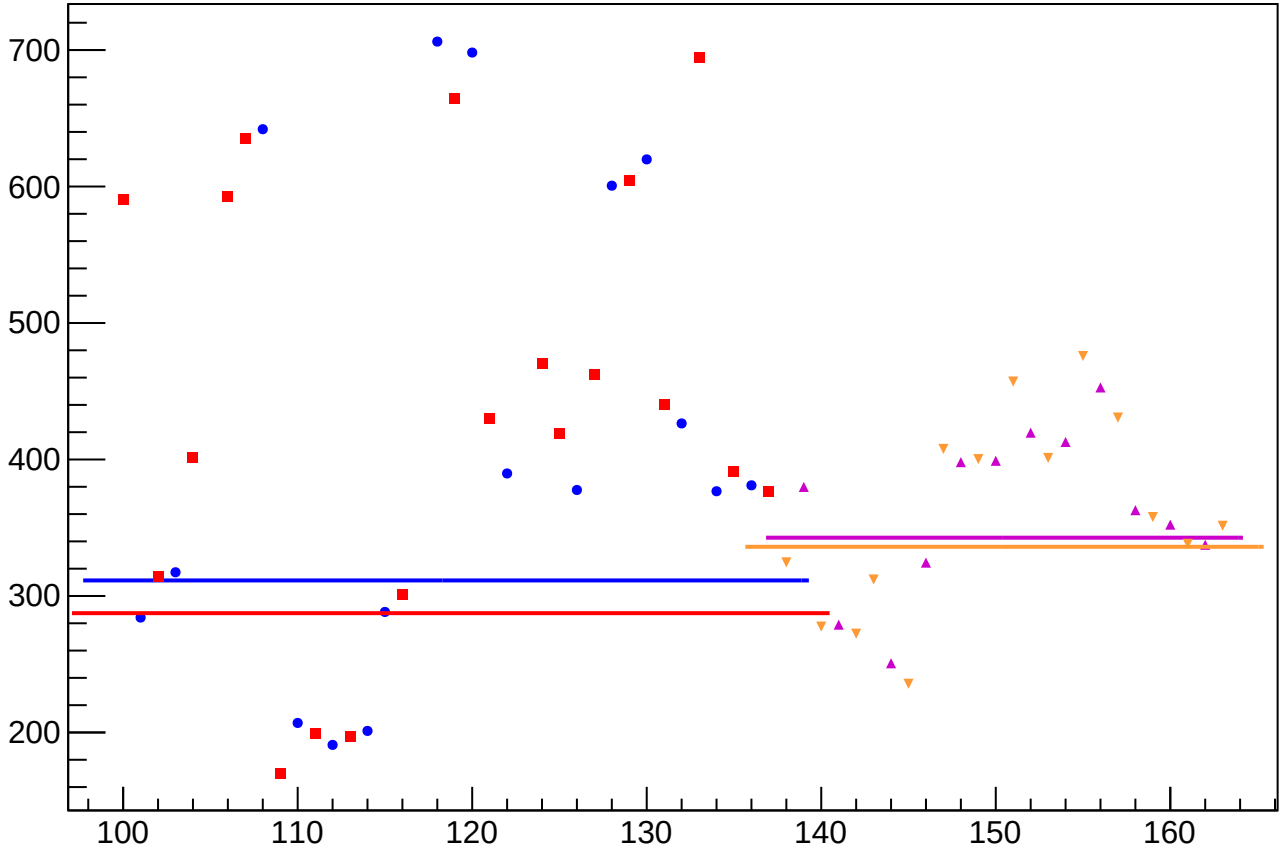
Left In: -25.192+/-108.464 χ^2/NDF:13.2/11

+ sign -304.208+/-79.696 χ^2/NDF: 57.2/29

All: -209.409+/-56.408 χ^2/NDF: 87.3/60

- sign -114.239+/-79.851 χ^2/NDF: 27.2/30

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

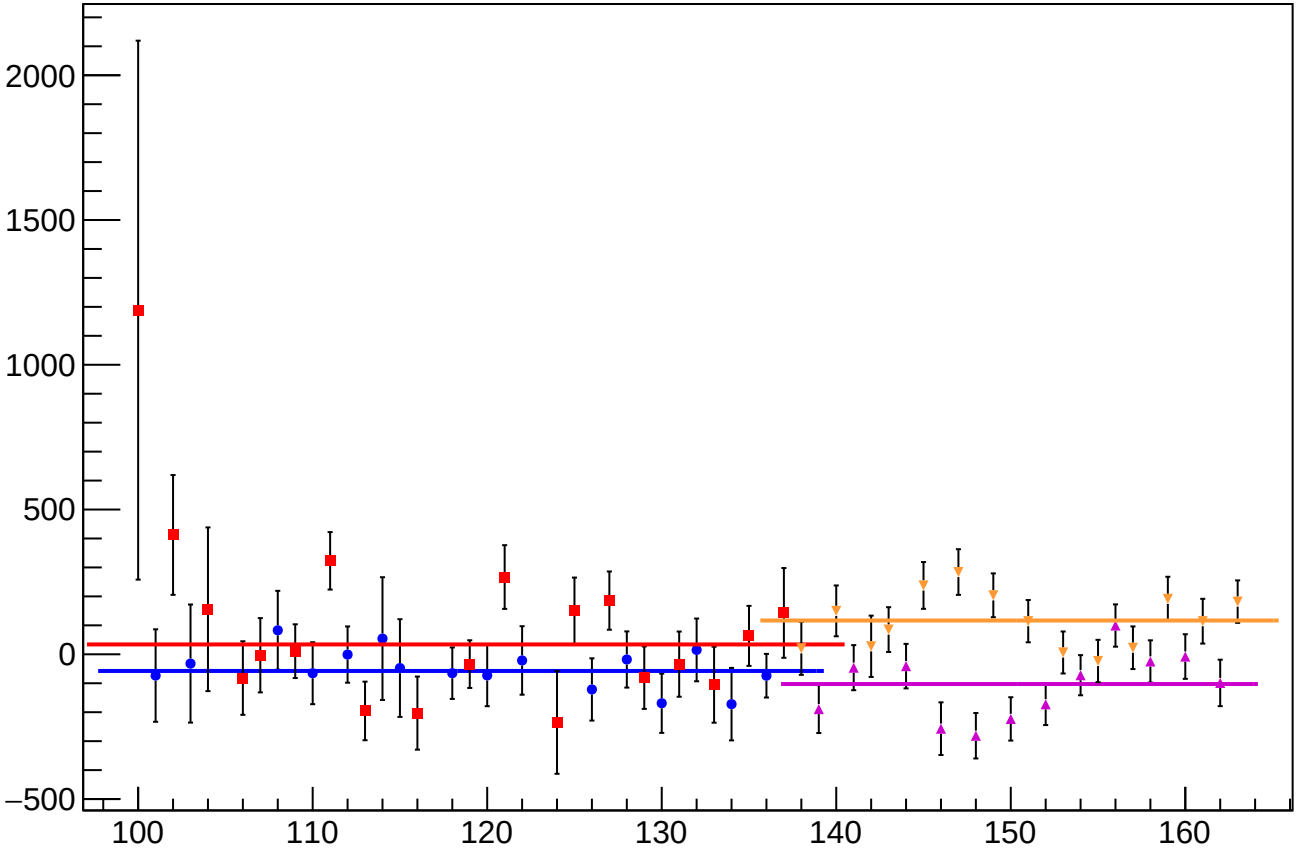
Left In: 342.710+/-0.077 χ^2/NDF:631354.8/11

+ sign 326.157+/-0.056 χ^2/NDF: 3073235.6/29

All: 321.779+/-0.040 χ^2/NDF: 6645029.4/60

- sign 317.383+/-0.056 χ^2/NDF: 3559696.8/30

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

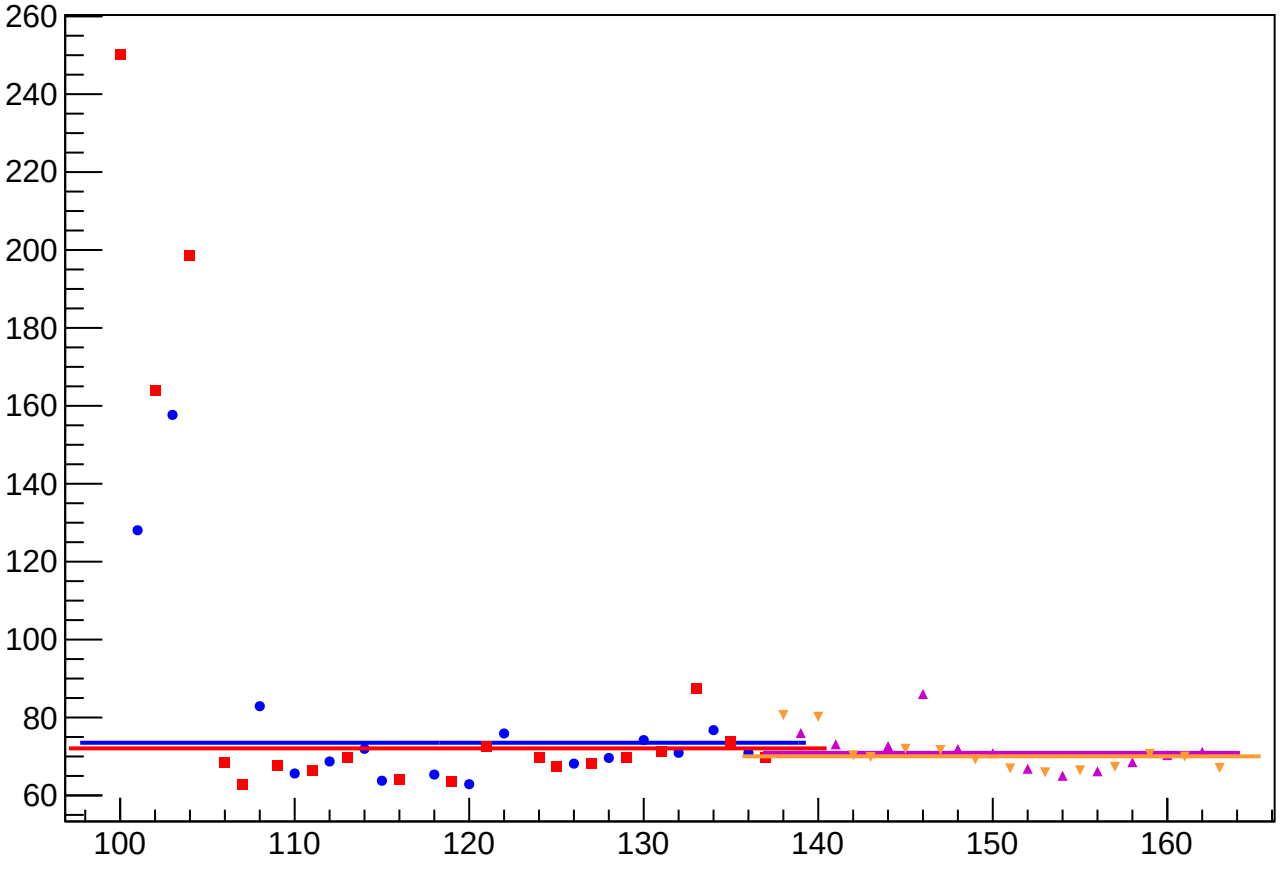
Left In: -102.678+/-22.126 χ^2/NDF:24.4/11

+ sign 54.223+/-16.819 χ^2/NDF: 49.1/29

All: 3.948+/-12.030 χ^2/NDF: 144.0/60

- sign -48.712+/-17.214 χ^2/NDF: 76.6/30

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.8/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

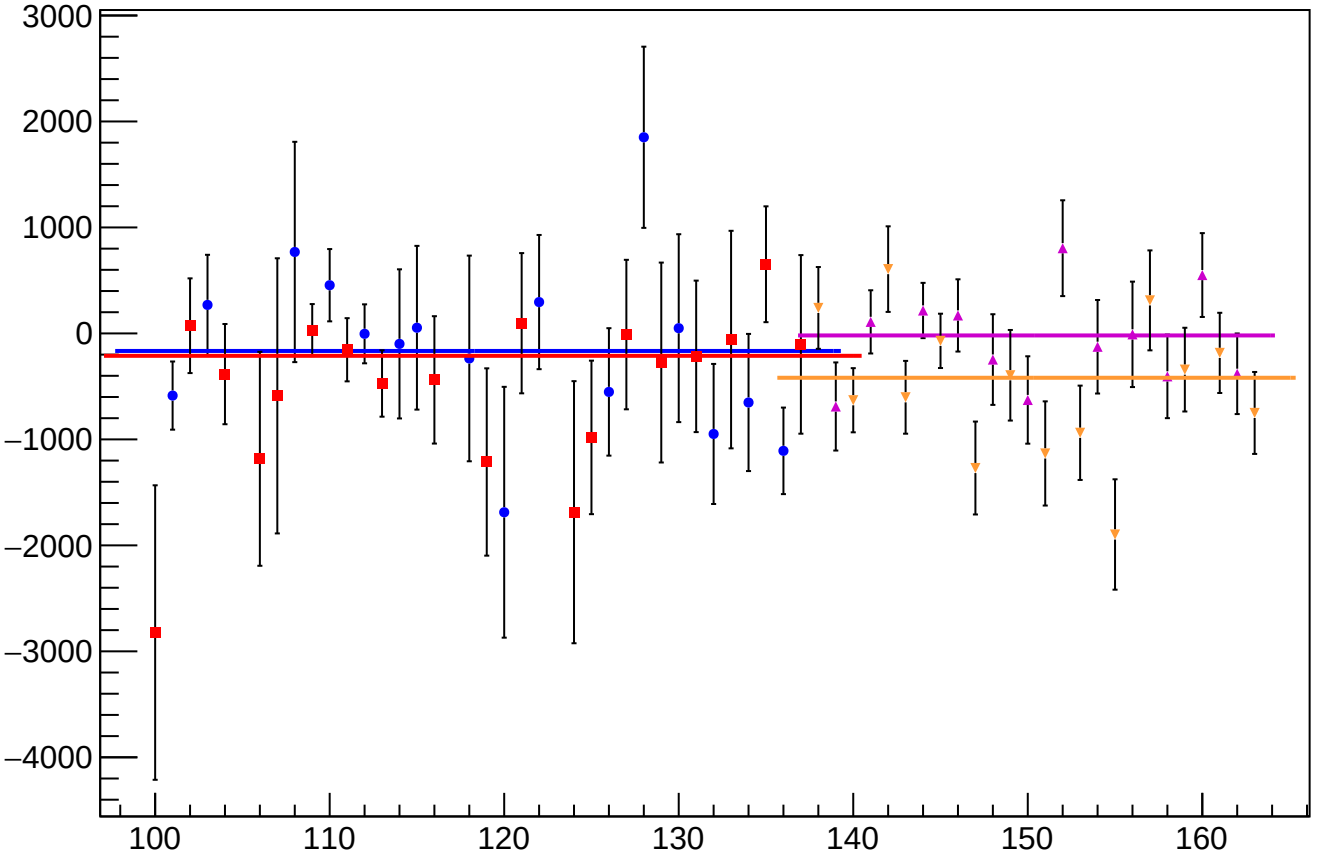
Left In: 70.917+/-0.016 χ^2/NDF:97062.7/11

+ sign 71.282+/-0.012 χ^2/NDF: 753330.9/29

All: 71.327+/-0.009 χ^2/NDF: 1811075.2/60

- sign 71.374+/-0.012 χ^2/NDF: 1057714.9/30

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -418.513+/-102.286 χ^2/NDF:30.9/13

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

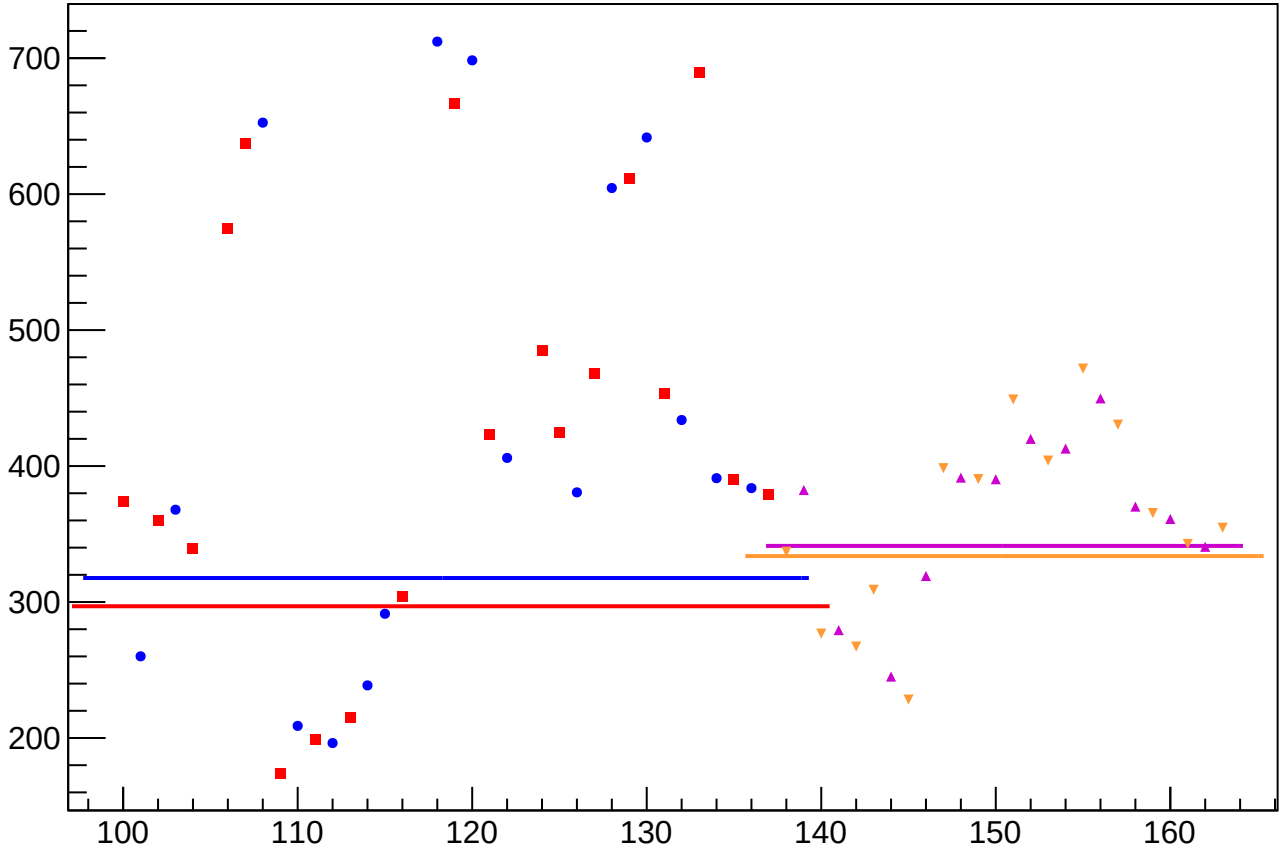
Left In: -19.101+/-108.153 χ^2/NDF:13.7/11

+ sign -320.320+/-80.013 χ^2/NDF: 55.9/29

All: -213.232+/-56.705 χ^2/NDF: 88.2/60

- sign -105.172+/-80.375 χ^2/NDF: 28.7/30

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.798+/-0.072 χ^2/NDF:957063.2/13

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

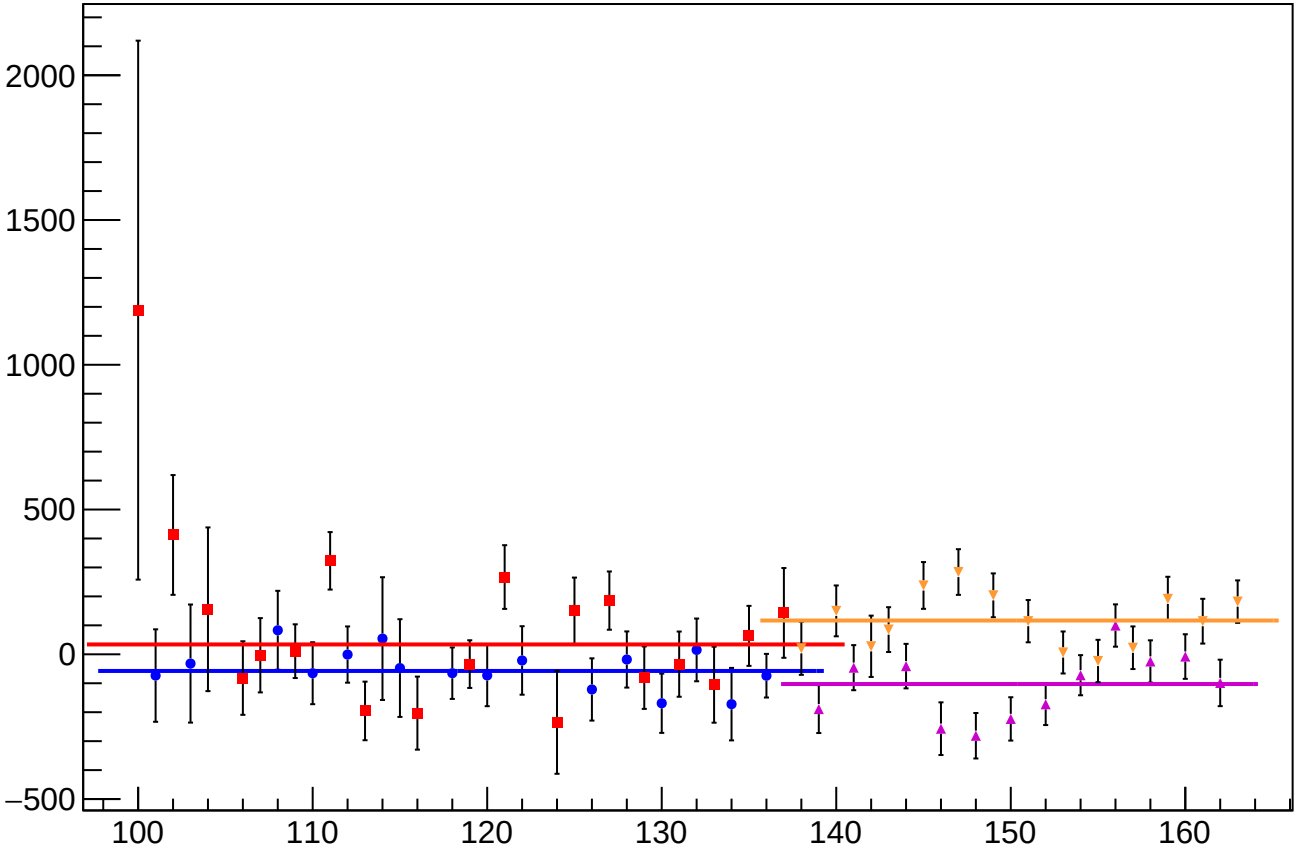
Left In: 341.278+/-0.076 χ^2/NDF:665817.6/11

\+ sign 327.537+/-0.057 χ^2/NDF: 3112568.6/29

All: 324.484+/-0.040 χ^2/NDF: 6476118.8/60

\- sign 321.404+/-0.057 χ^2/NDF: 3357702.7/30

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

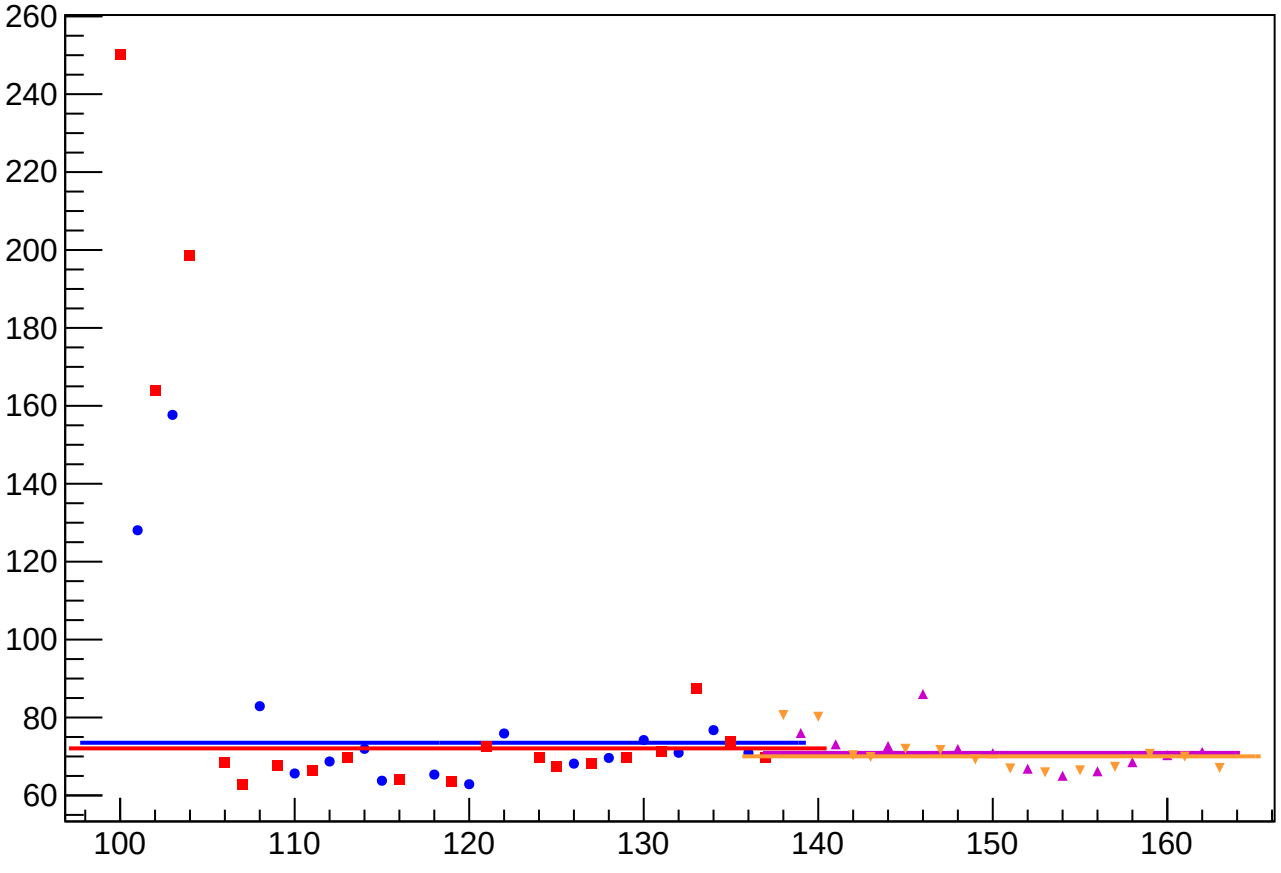
Left In: -102.677+/-22.126 χ^2/NDF:24.4/11

+ sign 54.224+/-16.819 χ^2/NDF: 49.1/29

All: 3.949+/-12.030 χ^2/NDF: 144.0/60

- sign -48.711+/-17.214 χ^2/NDF: 76.6/30

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.4/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

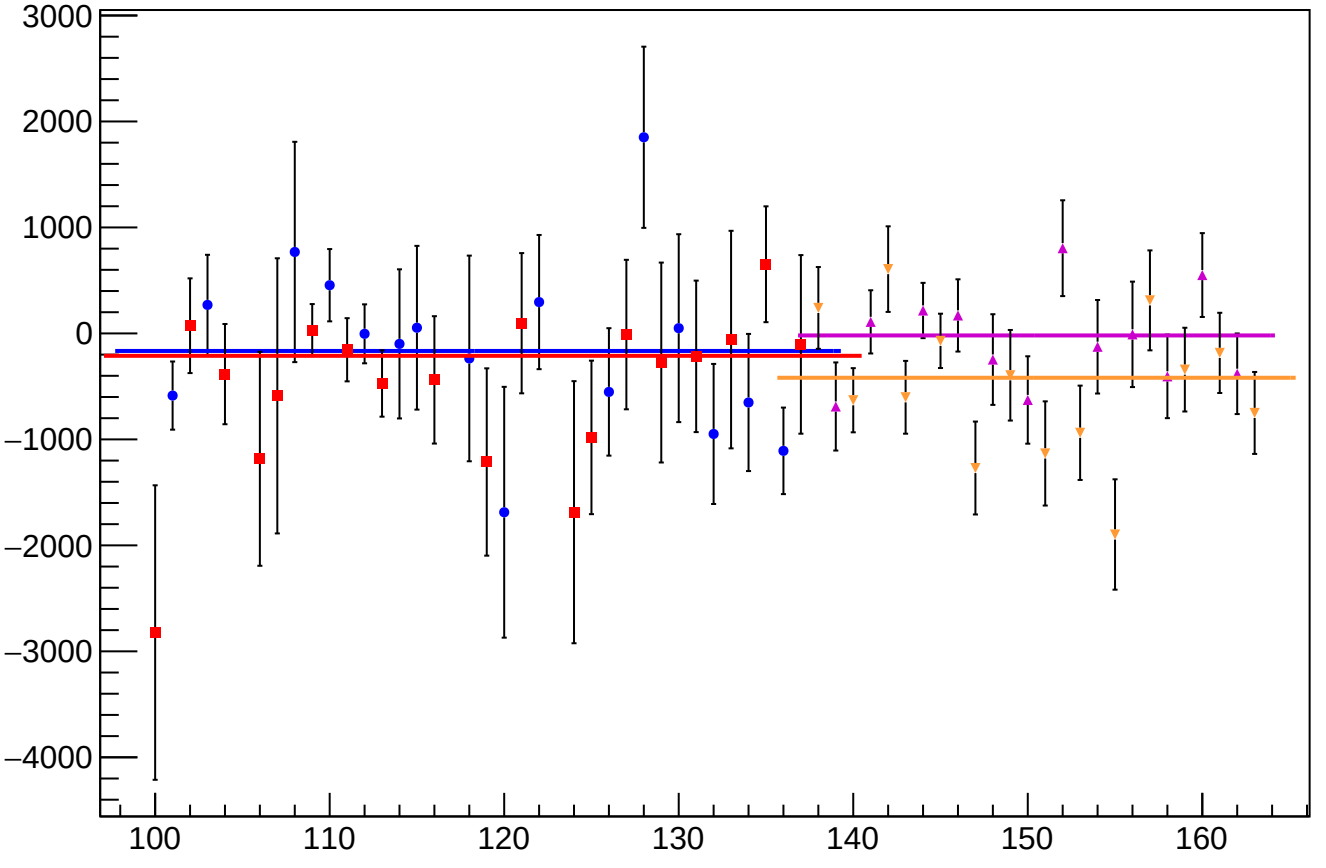
Left In: 70.917+/-0.016 χ^2/NDF:97063.3/11

+ sign 71.282+/-0.012 χ^2/NDF: 753330.6/29

All: 71.327+/-0.009 χ^2/NDF: 1811076.5/60

- sign 71.374+/-0.012 χ^2/NDF: 1057716.4/30

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -418.512+/-102.286 χ^2/NDF:30.9/13

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

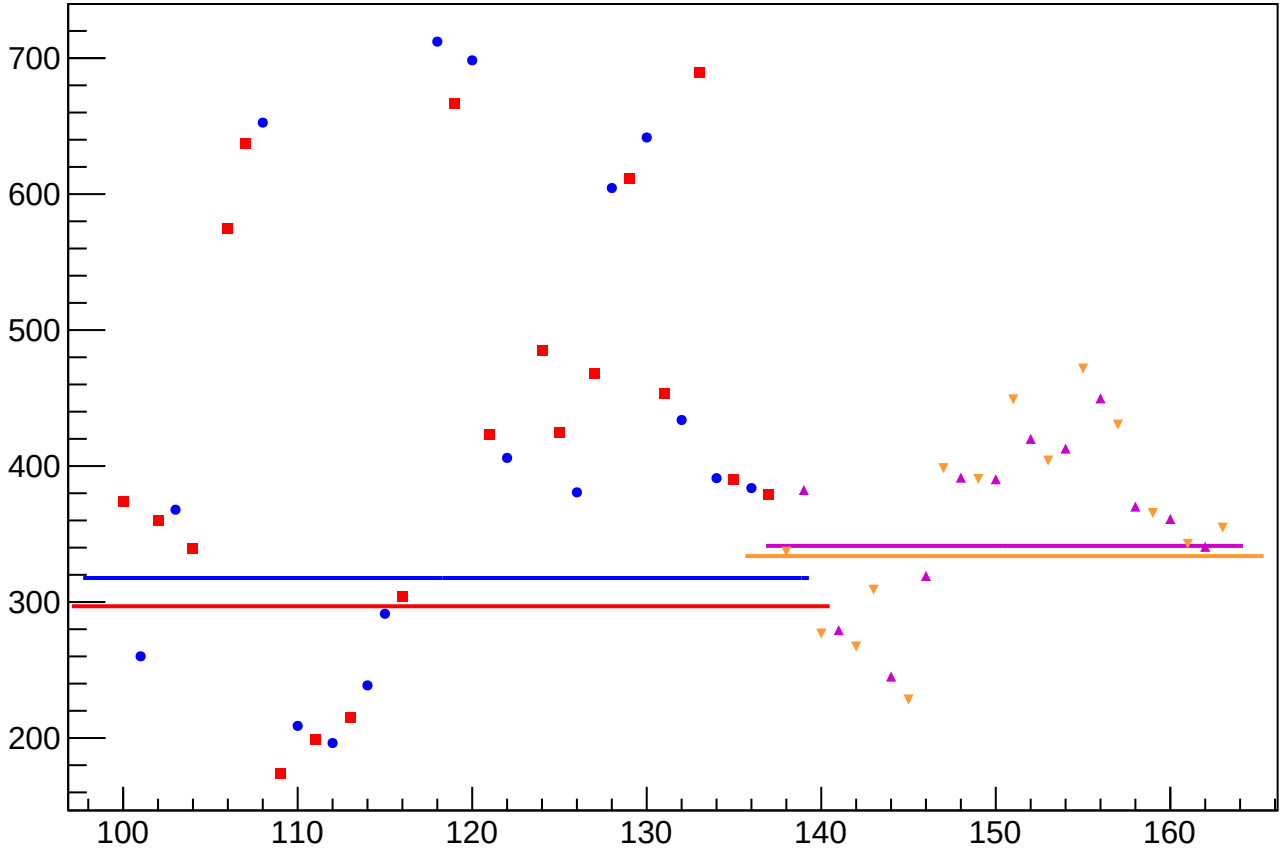
Left In: -19.101+/-108.153 χ^2/NDF:13.7/11

\+ sign -320.319+/-80.012 χ^2/NDF: 55.9/29

All: -213.231+/-56.705 χ^2/NDF: 88.2/60

\- sign -105.172+/-80.375 χ^2/NDF: 28.7/30

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.798+/-0.072 χ^2/NDF:957074.4/13

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

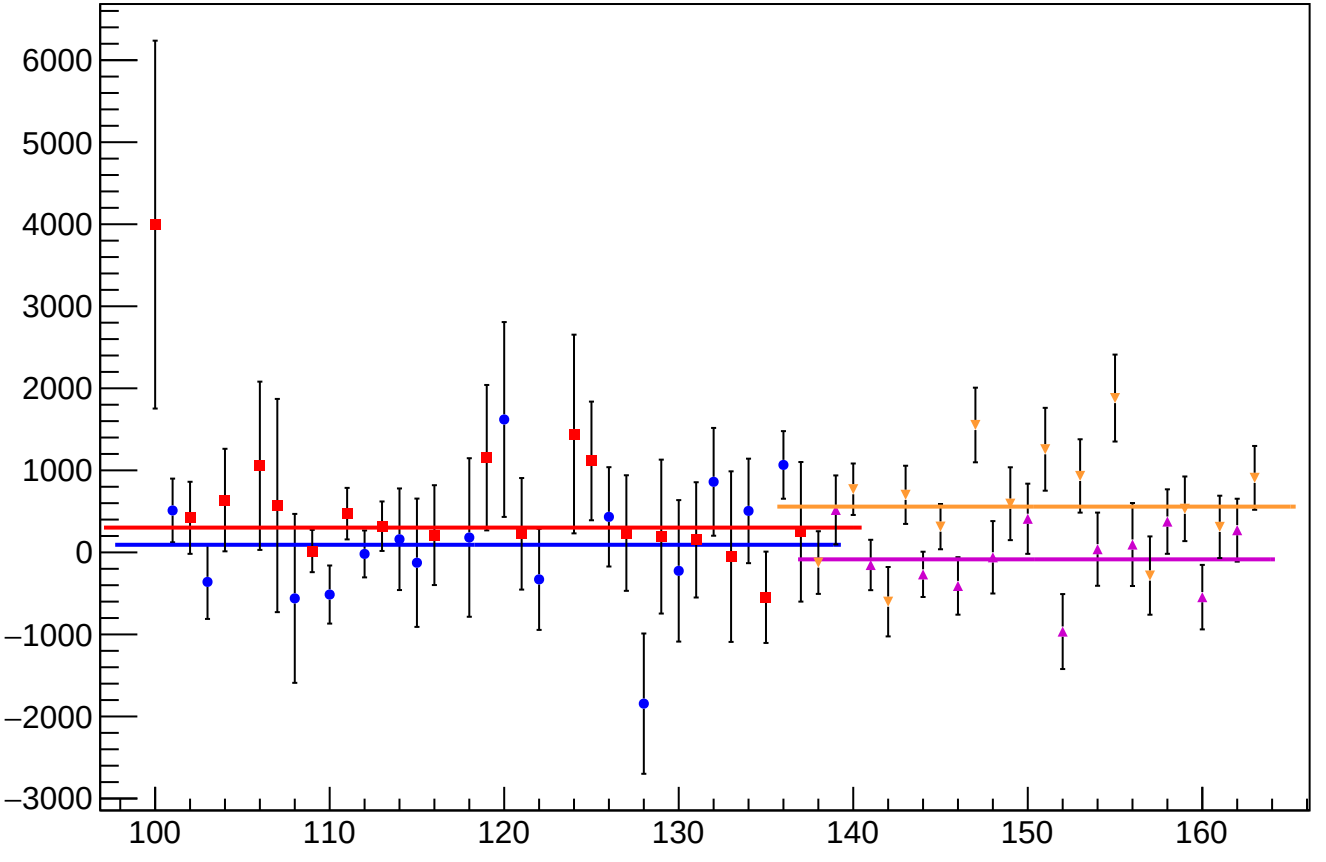
Left In: 341.278+/-0.076 χ^2/NDF:665823.6/11

\+ sign 327.535+/-0.057 χ^2/NDF: 3112616.3/29

All: 324.483+/-0.040 χ^2/NDF: 6476192.4/60

\- sign 321.403+/-0.057 χ^2/NDF: 3357729.3/30

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 557.946+/-105.143 χ^2/NDF:30.1/13

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

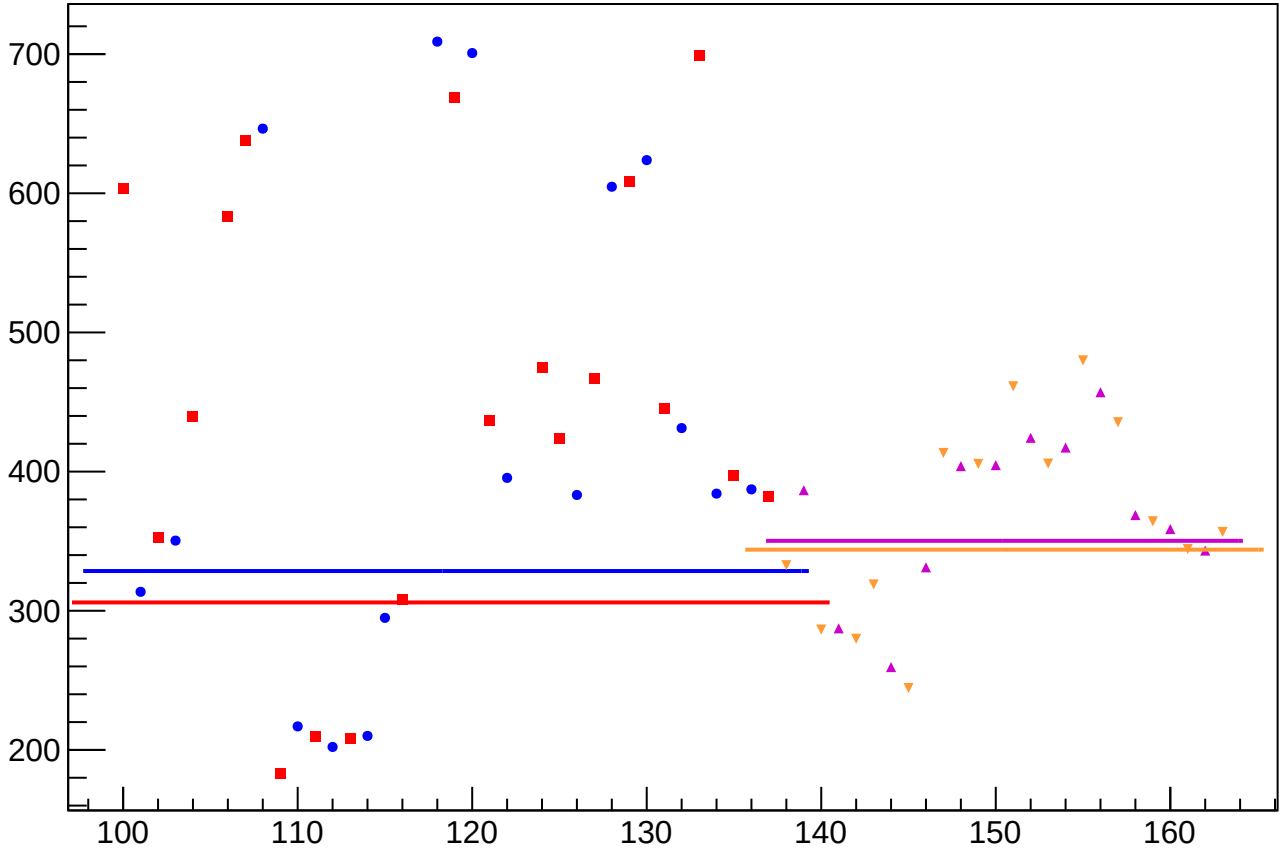
Left In: -84.734+/-110.680 χ^2/NDF:12.3/11

\+ sign 377.265+/-82.224 χ^2/NDF: 58.5/29

All: 232.702+/-58.255 χ^2/NDF: 93.2/60

\- sign 87.002+/-82.547 χ^2/NDF: 28.5/30

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 343.914+/-0.074 χ^2/NDF:828700.1/13

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

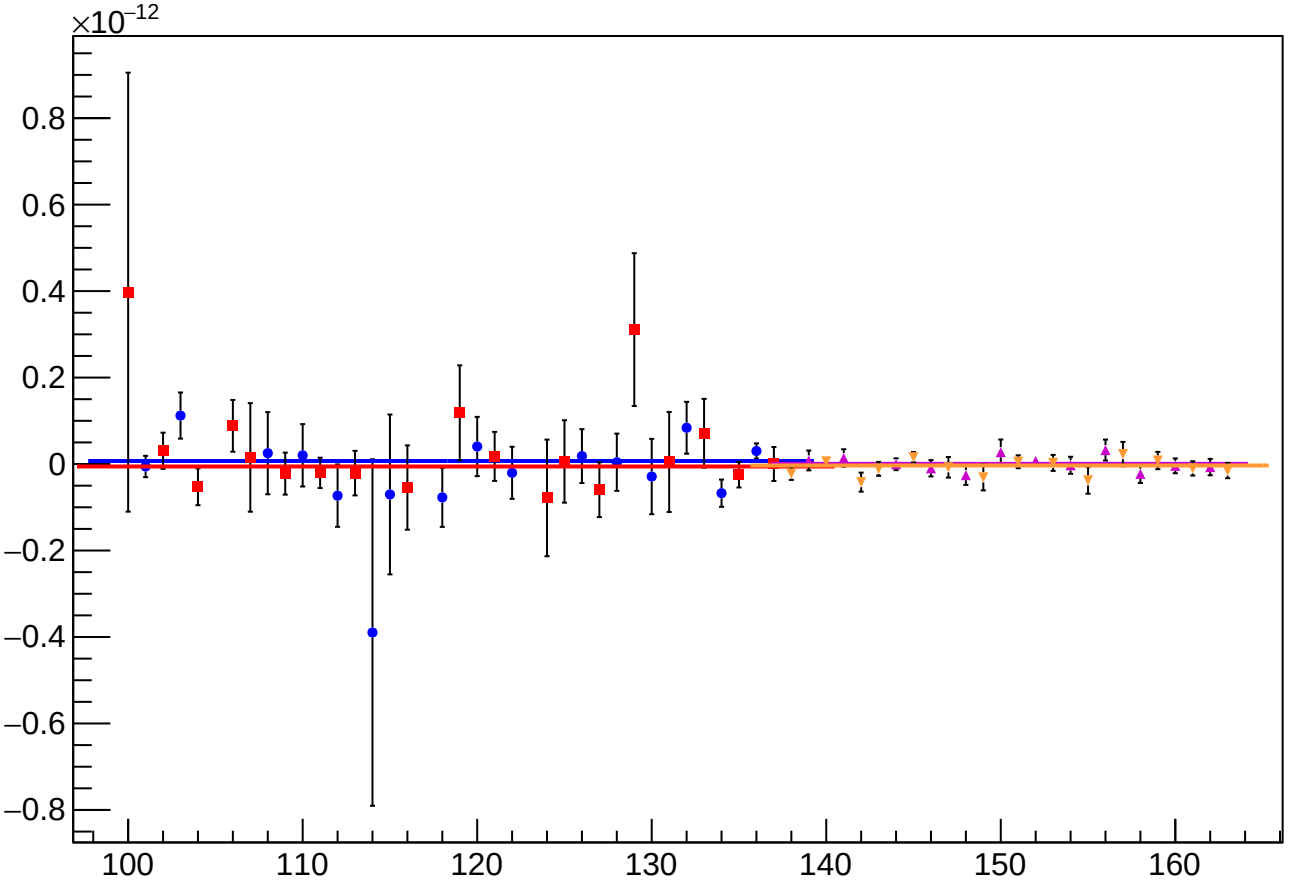
Left In: 350.265+/-0.078 χ^2/NDF:576005.5/11

+ sign 337.952+/-0.058 χ^2/NDF: 2804126.0/29

All: 334.299+/-0.041 χ^2/NDF: 6057555.0/60

- sign 330.617+/-0.058 χ^2/NDF: 3245501.1/30

asym_sam7_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:12.7/13

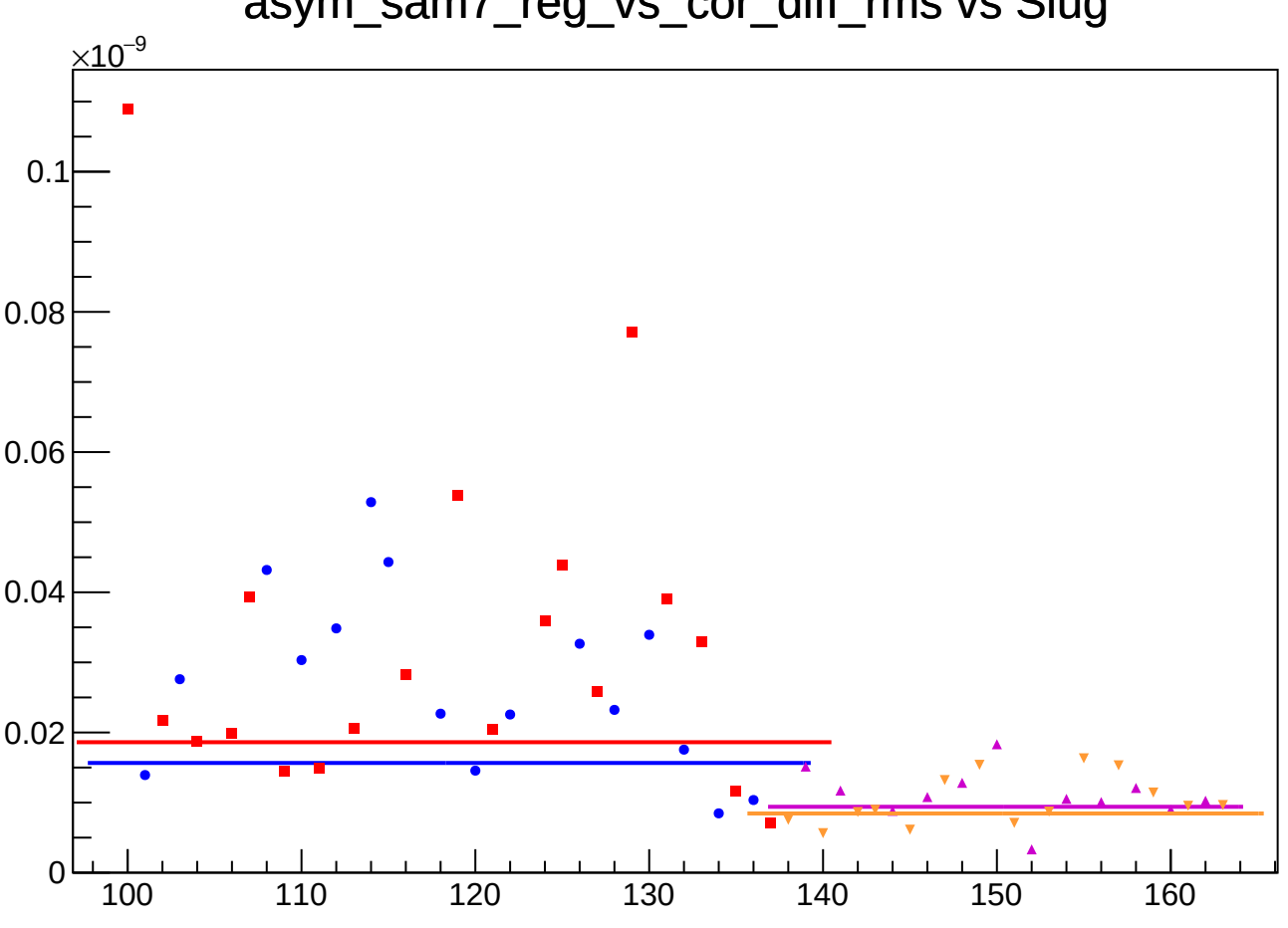
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/29

All: -0.000+/-0.000 χ^2/NDF: 50.8/60

- sign -0.000+/-0.000 χ^2/NDF: 19.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:739266.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

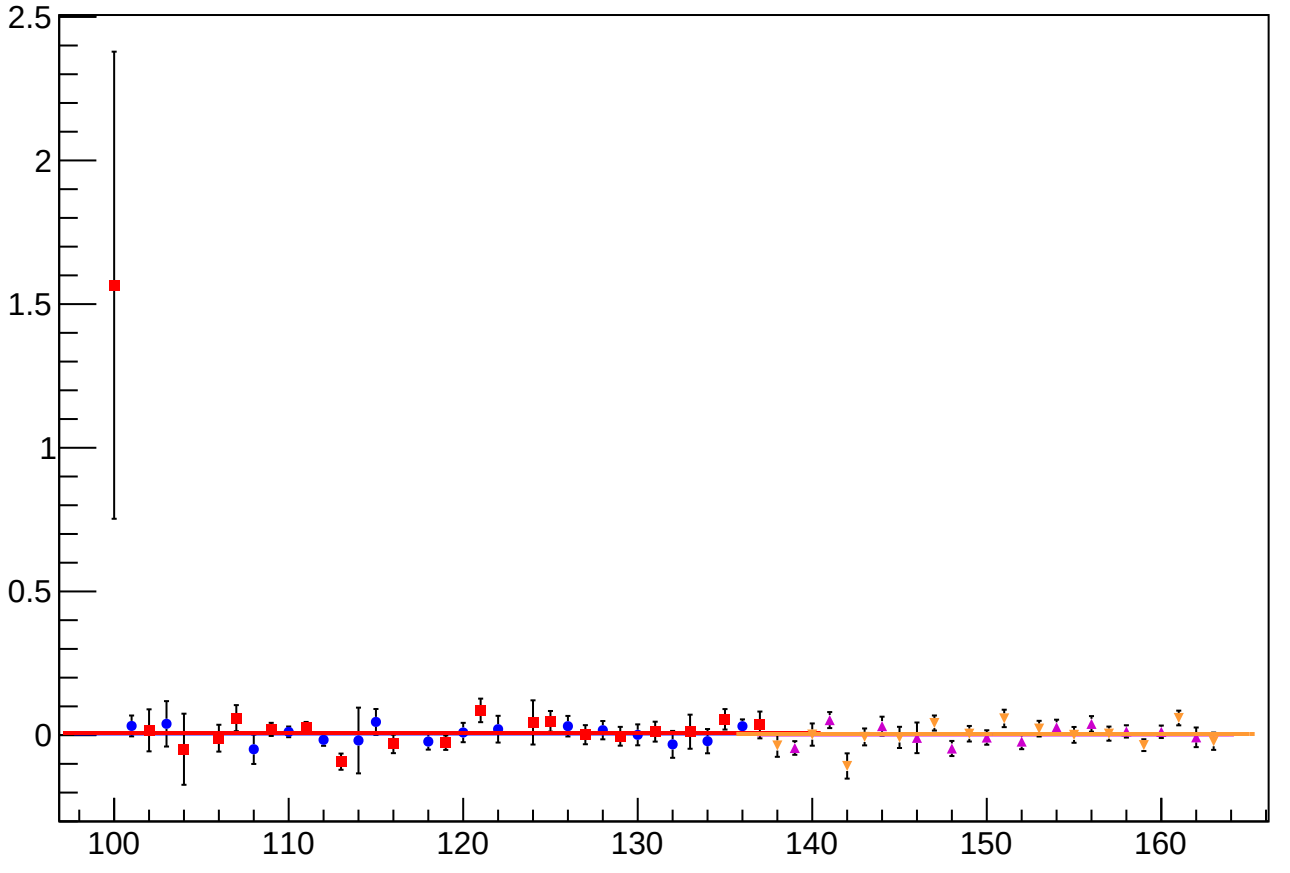
Left In: 0.000+/-0.000 χ^2/NDF:996431.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 2642645.2/29

All: 0.000+/-0.000 χ^2/NDF: 5821769.9/60

- sign 0.000+/-0.000 χ^2/NDF: 3105877.6/30

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

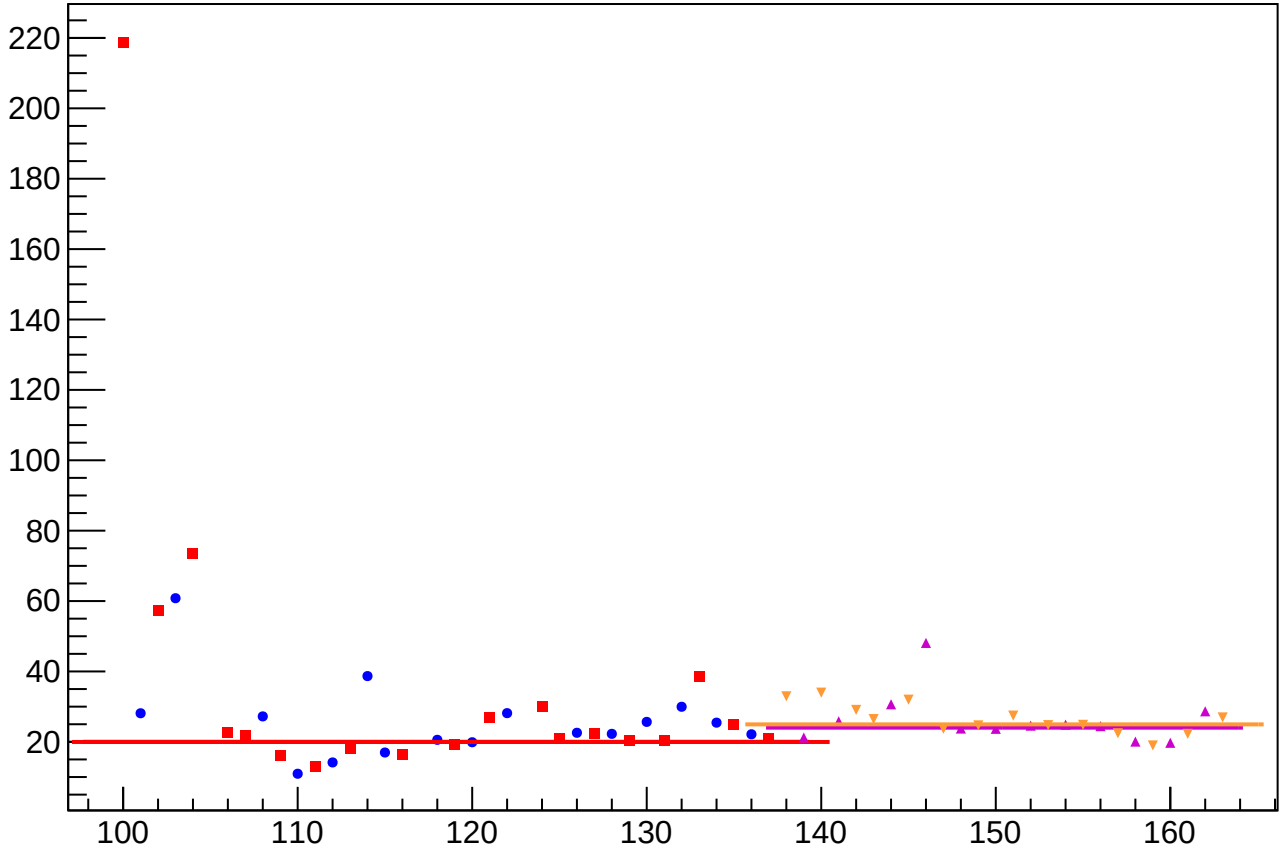
Left In: 0.002+/-0.008 χ^2/NDF:15.7/11

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 76.1/60

- sign 0.005+/-0.006 χ^2/NDF: 45.7/30

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

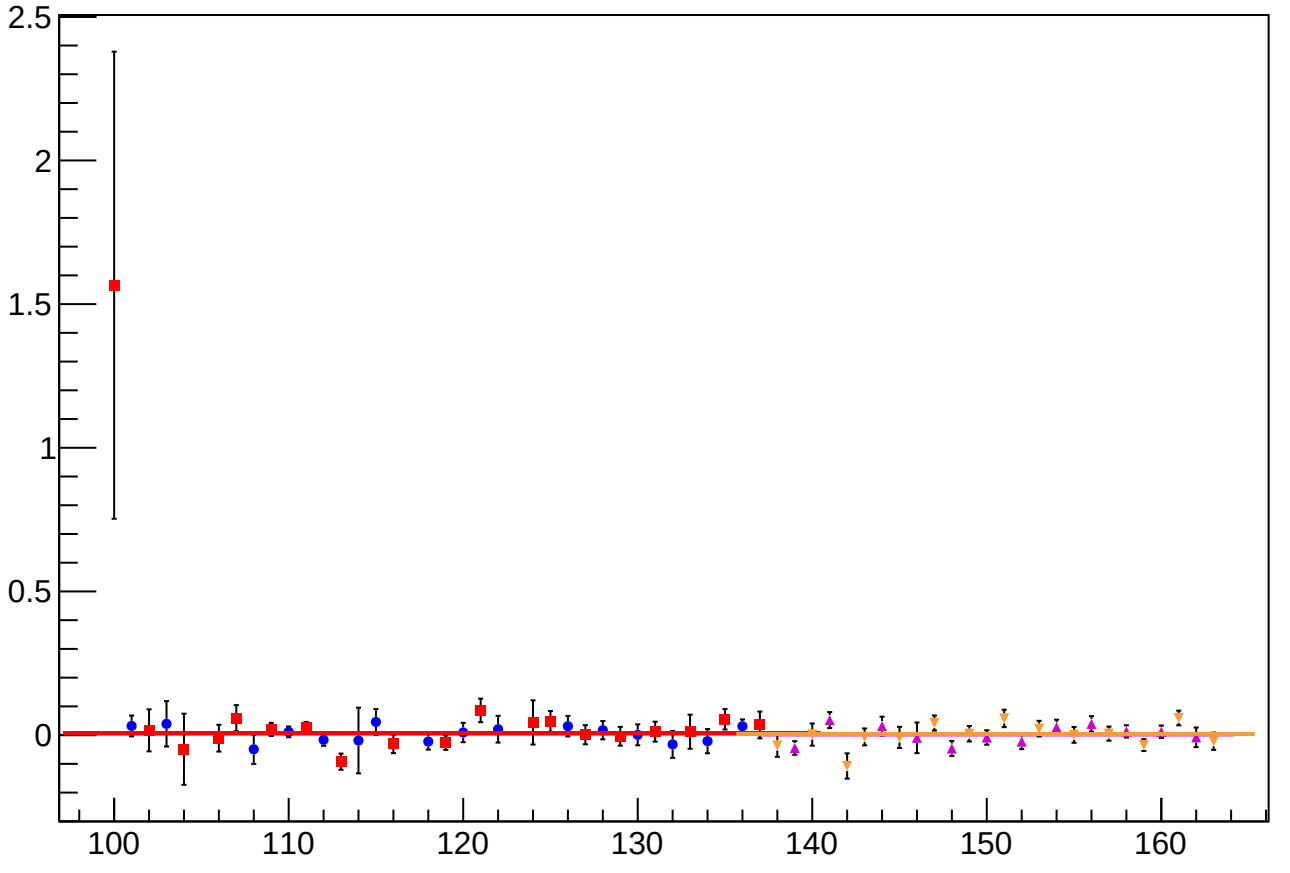
Left In: 24.030+/-0.005 χ^2/NDF:713679.9/11

+ sign 22.631+/-0.004 χ^2/NDF: 2557134.6/29

All: 22.359+/-0.003 χ^2/NDF: 5260942.9/60

- sign 22.088+/-0.004 χ^2/NDF: 2694419.2/30

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

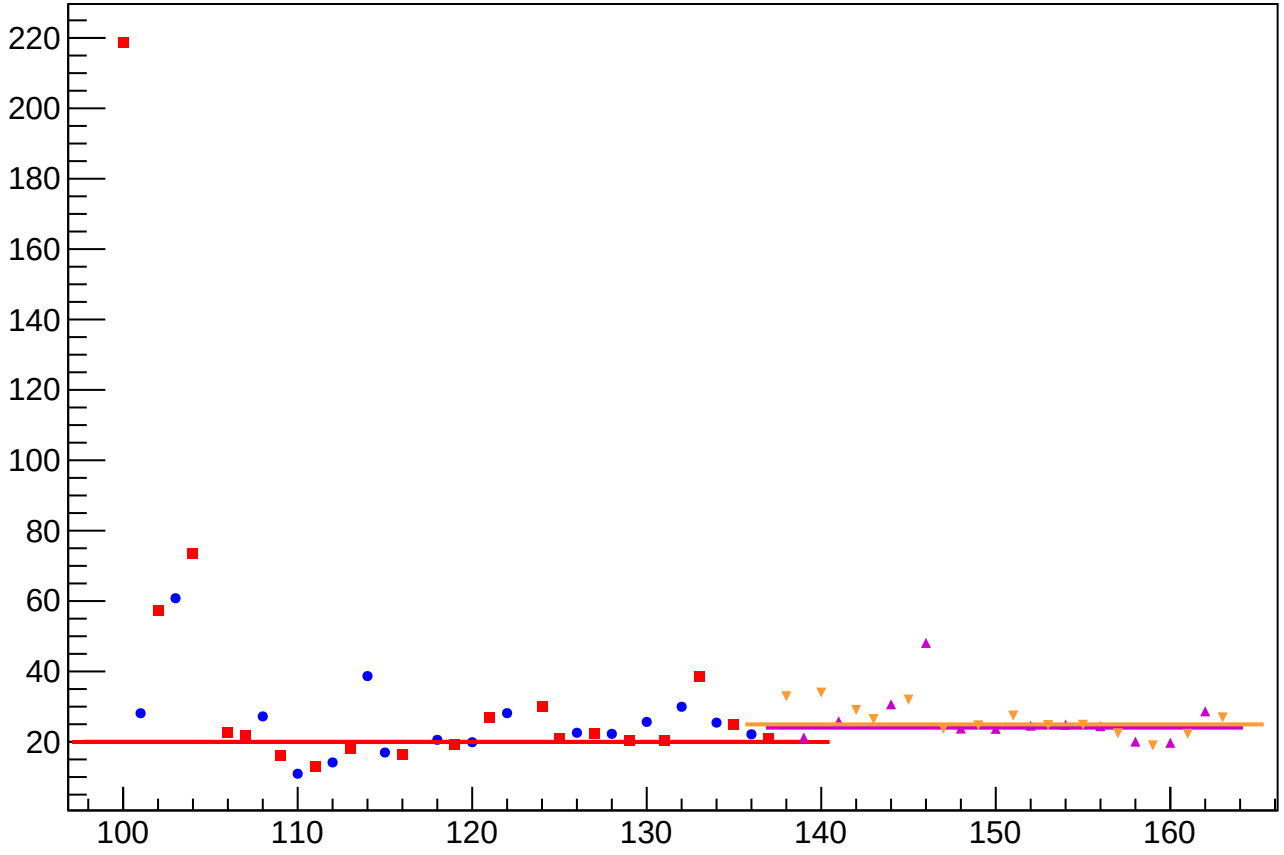
Left In: 0.002+/-0.008 χ^2/NDF:15.7/11

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 76.1/60

- sign 0.005+/-0.006 χ^2/NDF: 45.7/30

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

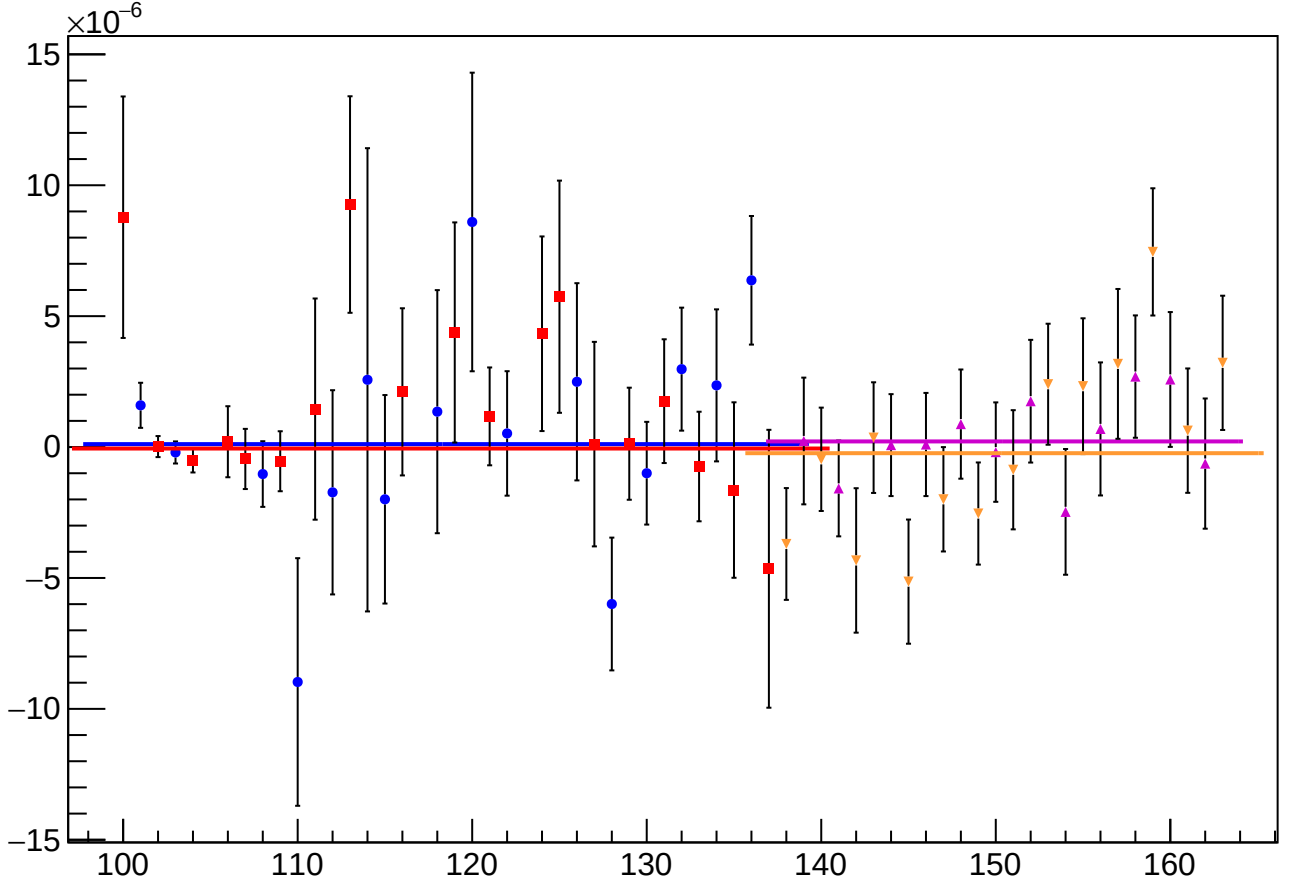
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.030+/-0.005 χ^2/NDF:713679.9/11

+ sign 22.631+/-0.004 χ^2/NDF: 2557134.6/29

All: 22.359+/-0.003 χ^2/NDF: 5260942.9/60

- sign 22.088+/-0.004 χ^2/NDF: 2694419.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

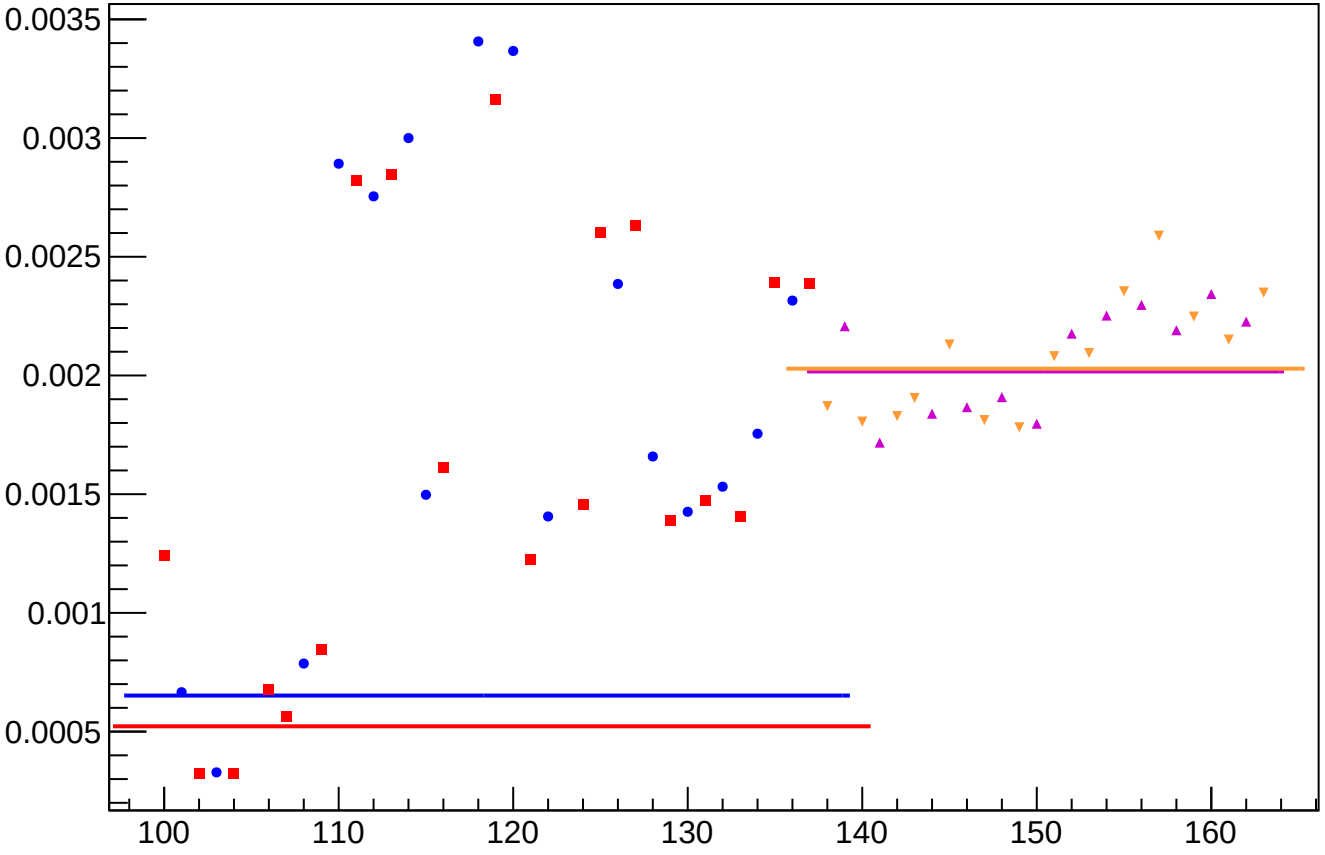
Left In: 0.000+/-0.000 χ^2/NDF:4.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/29

All: 0.000+/-0.000 χ^2/NDF: 75.6/60

- sign -0.000+/-0.000 χ^2/NDF: 22.2/30

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:276919.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

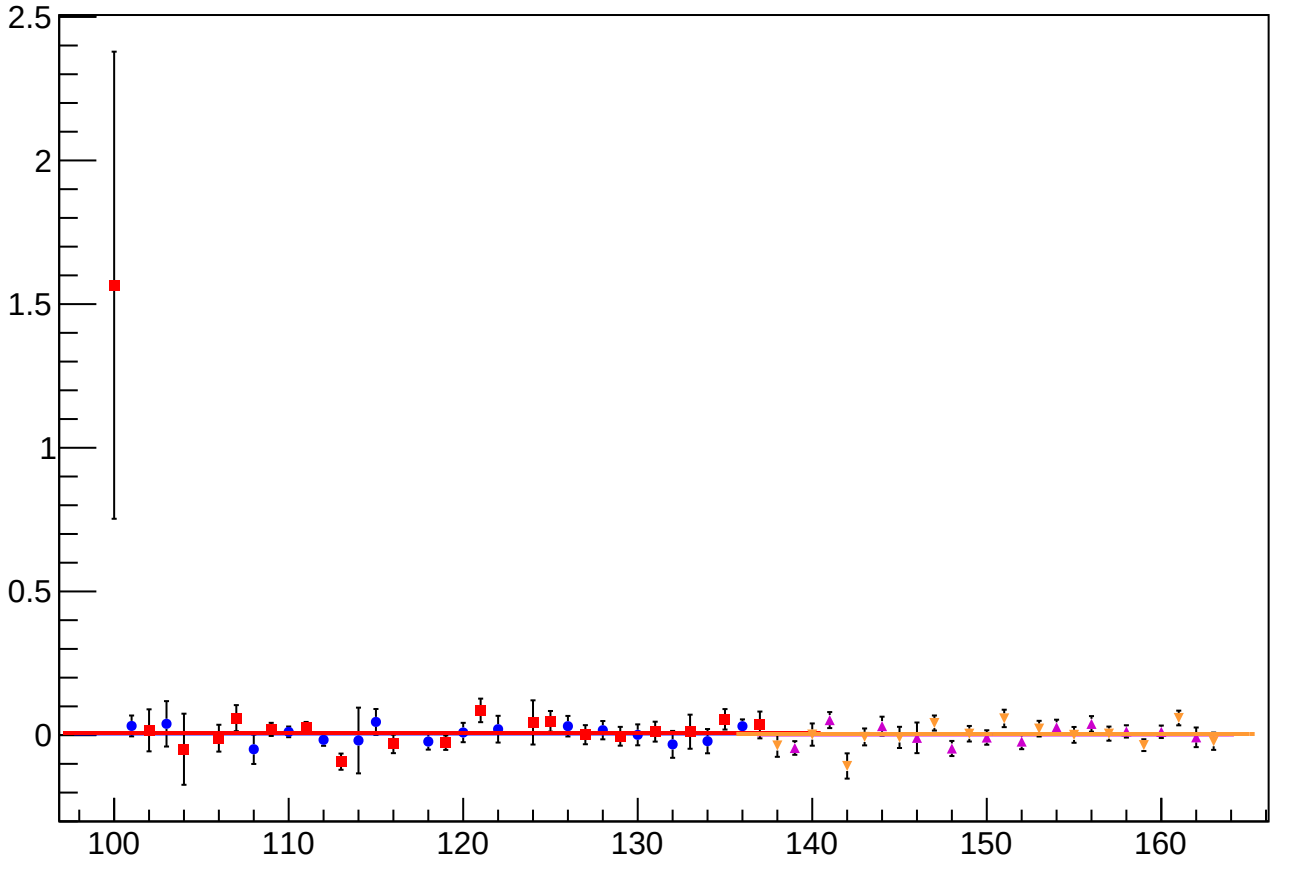
Left In: 0.002+/-0.000 χ^2/NDF:236817.5/11

+ sign 0.001+/-0.000 χ^2/NDF: 14447719.5/29

All: 0.001+/-0.000 χ^2/NDF: 31651688.0/60

- sign 0.001+/-0.000 χ^2/NDF: 16478800.0/30

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

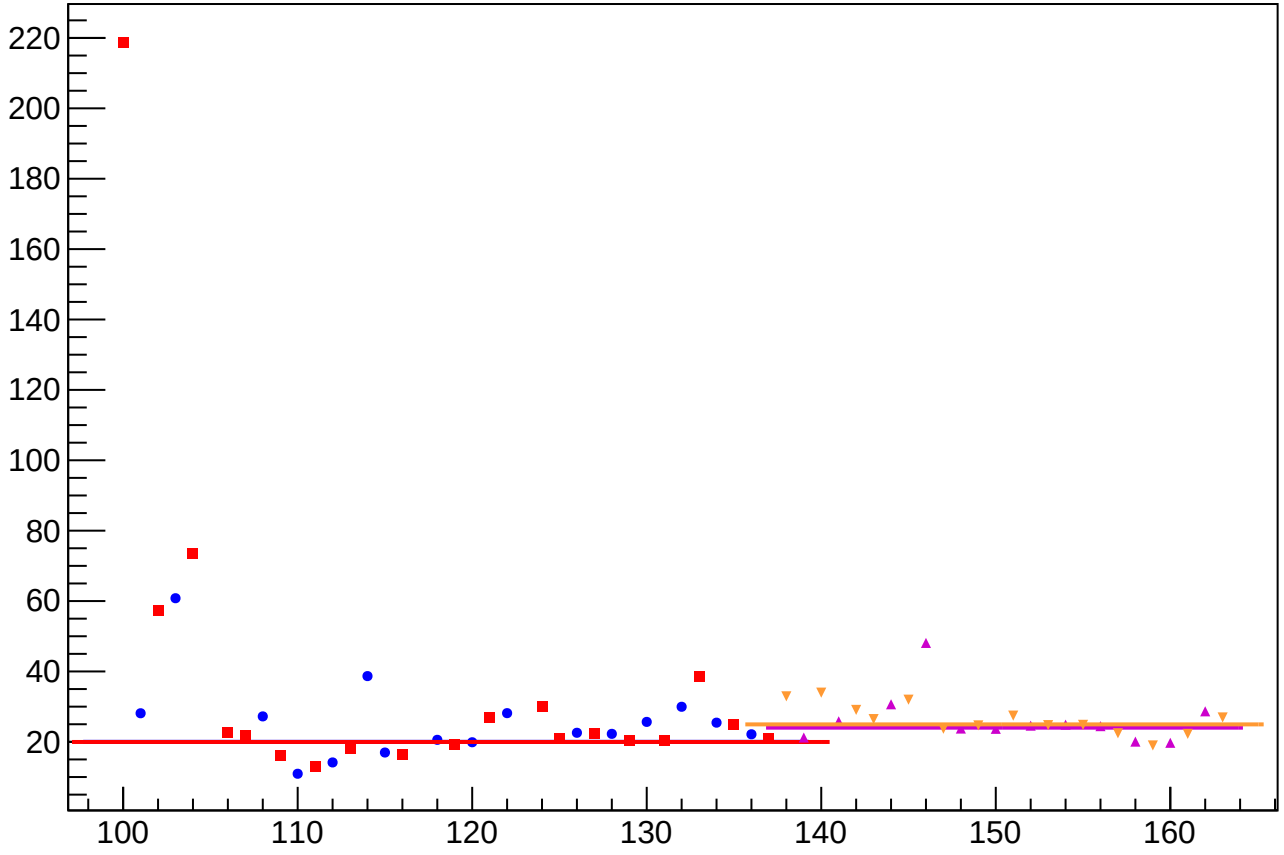
Left In: 0.002+/-0.008 χ^2/NDF:15.7/11

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 76.1/60

- sign 0.005+/-0.006 χ^2/NDF: 45.7/30

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

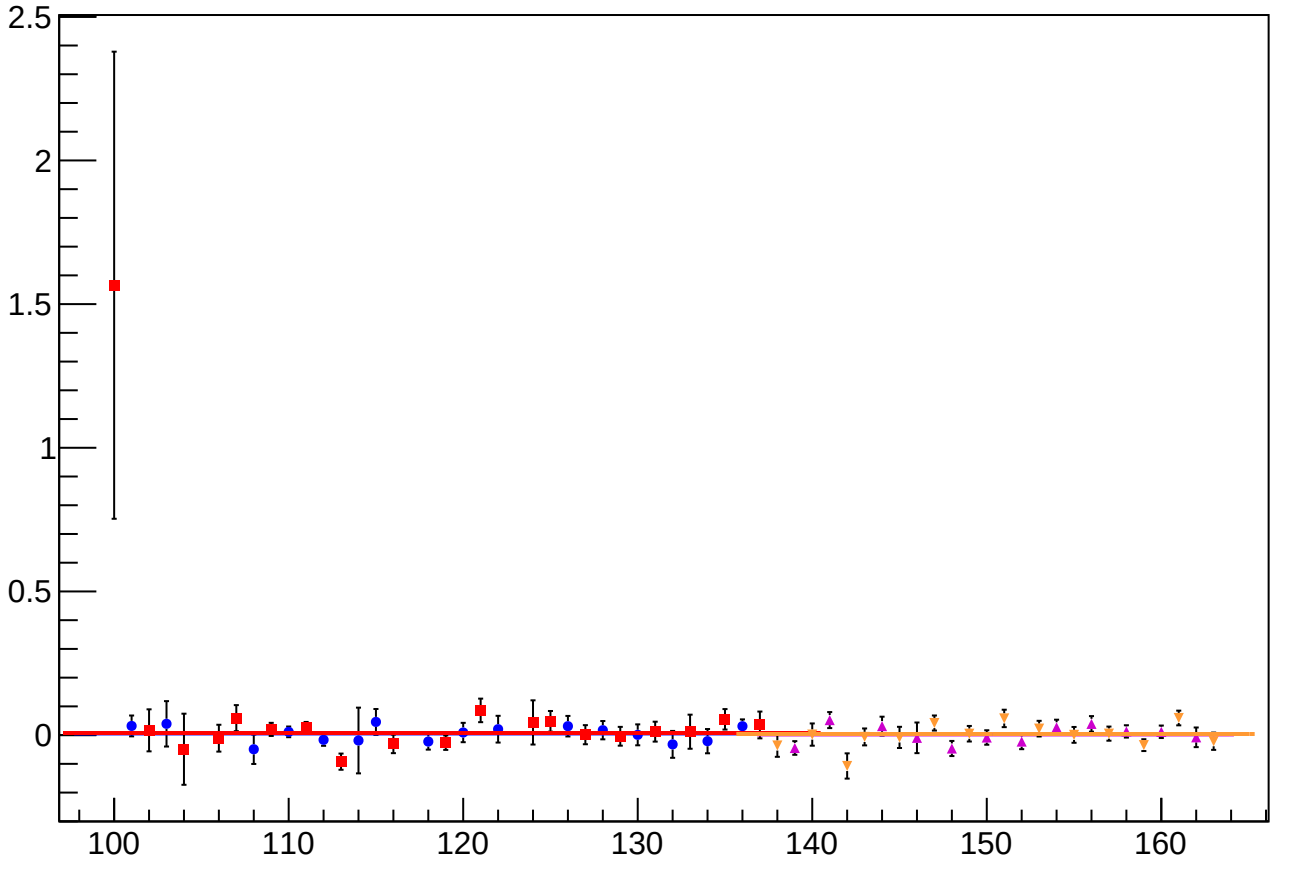
Left In: 24.030+/-0.005 χ^2/NDF:713714.9/11

+ sign 22.631+/-0.004 χ^2/NDF: 2556915.9/29

All: 22.359+/-0.003 χ^2/NDF: 5260671.8/60

- sign 22.088+/-0.004 χ^2/NDF: 2694359.5/30

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: 0.004+/-0.008 χ^2/NDF:22.4/13

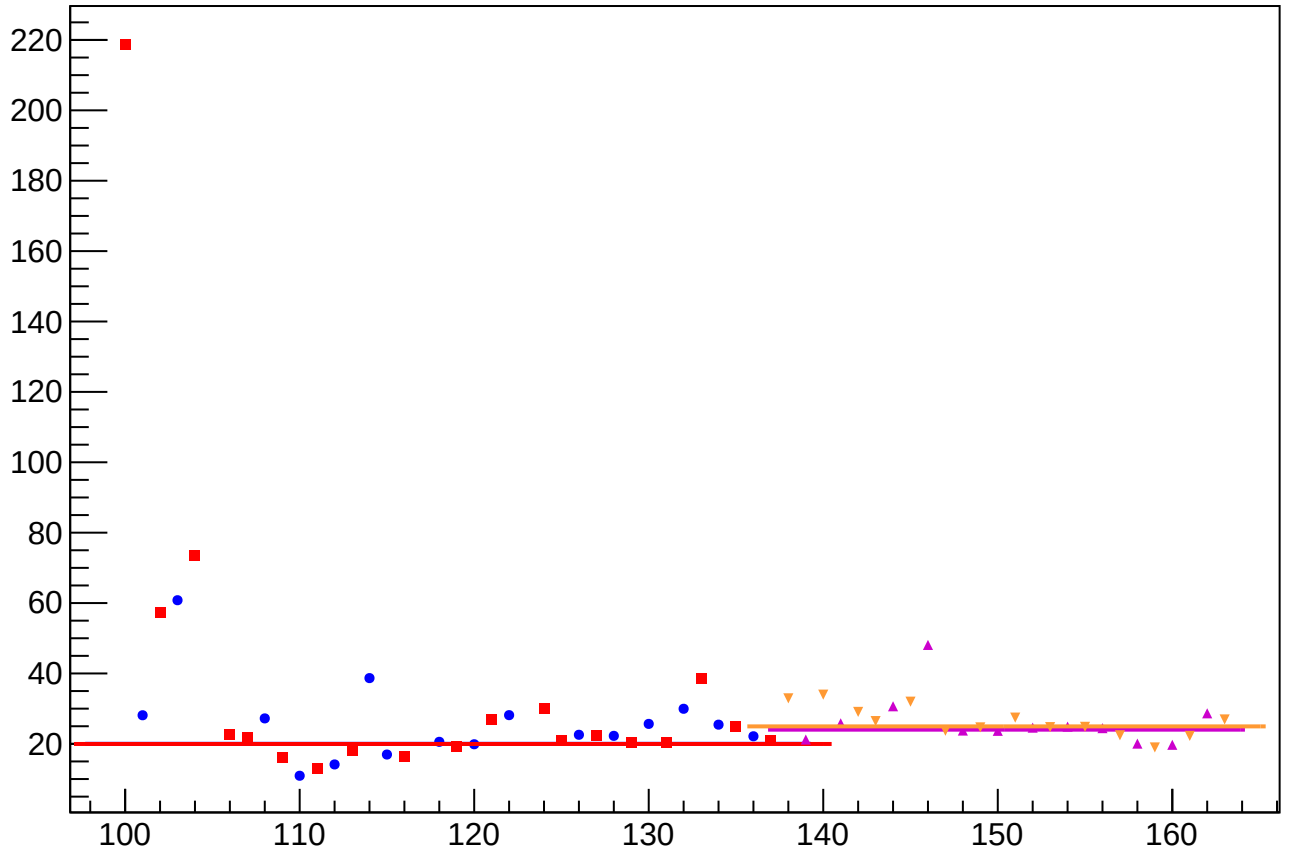
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.008 χ^2/NDF:15.7/11

+ sign 0.005+/-0.006 χ^2/NDF: 30.3/29

All: 0.005+/-0.004 χ^2/NDF: 76.1/60

- sign 0.005+/-0.006 χ^2/NDF: 45.7/30



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

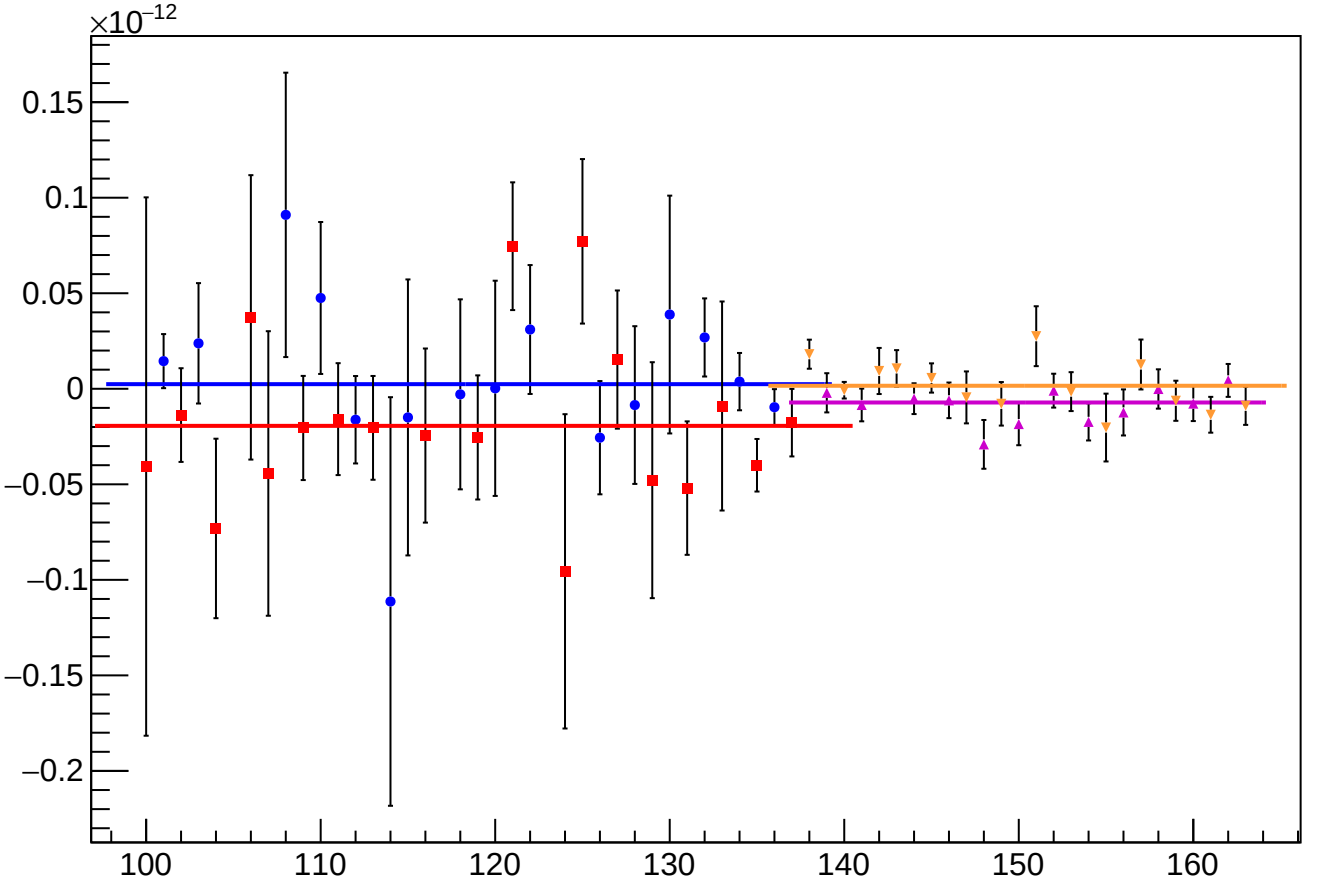
Left In: 24.030+/-0.005 χ^2/NDF:713714.9/11

+ sign 22.631+/-0.004 χ^2/NDF: 2556915.9/29

All: 22.359+/-0.003 χ^2/NDF: 5260671.8/60

- sign 22.088+/-0.004 χ^2/NDF: 2694359.5/30

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:16.8/13

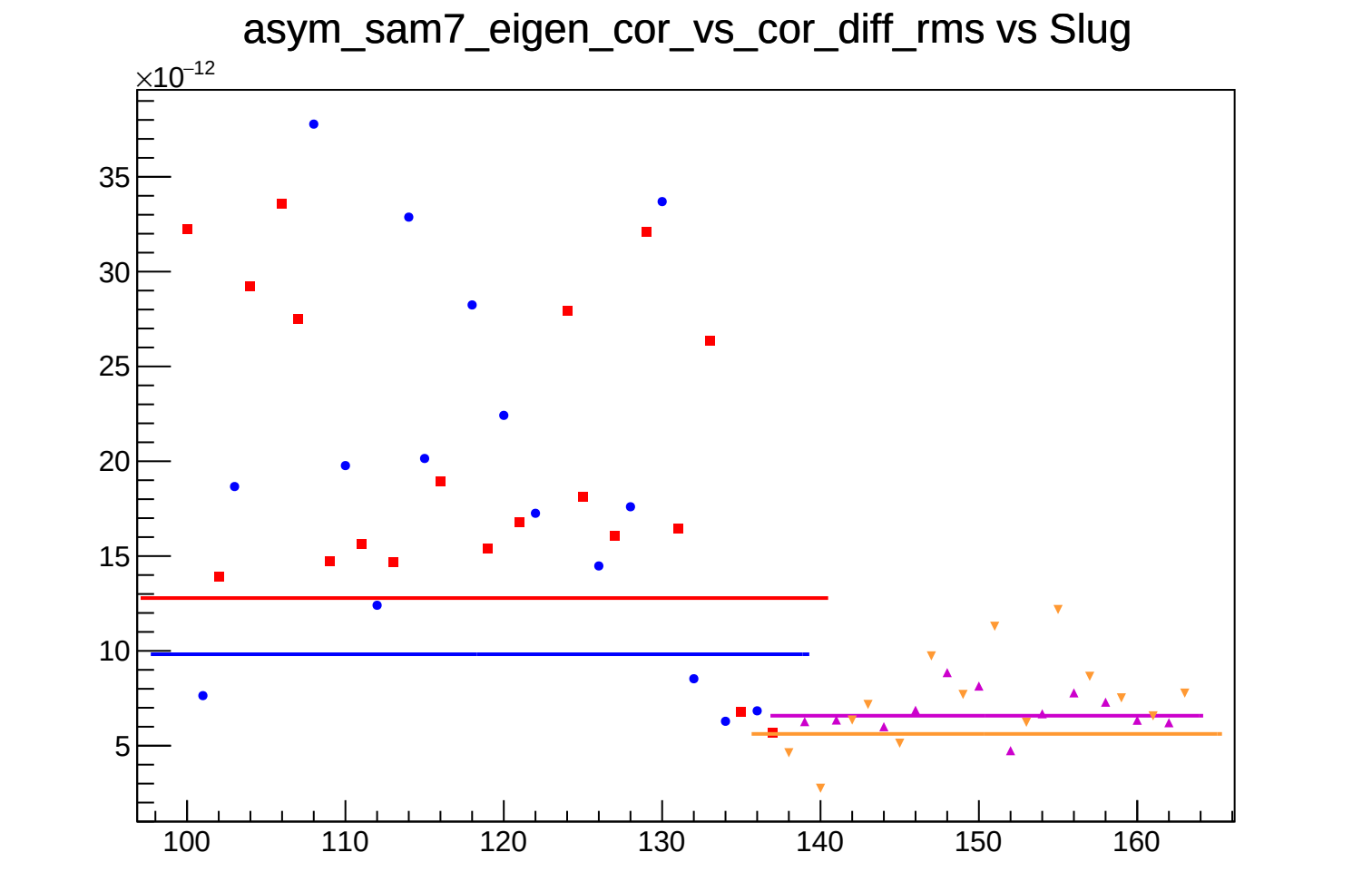
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 27.7/29

All: -0.000+/-0.000 χ^2/NDF: 68.4/60

- sign -0.000+/-0.000 χ^2/NDF: 31.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2053000.1/13

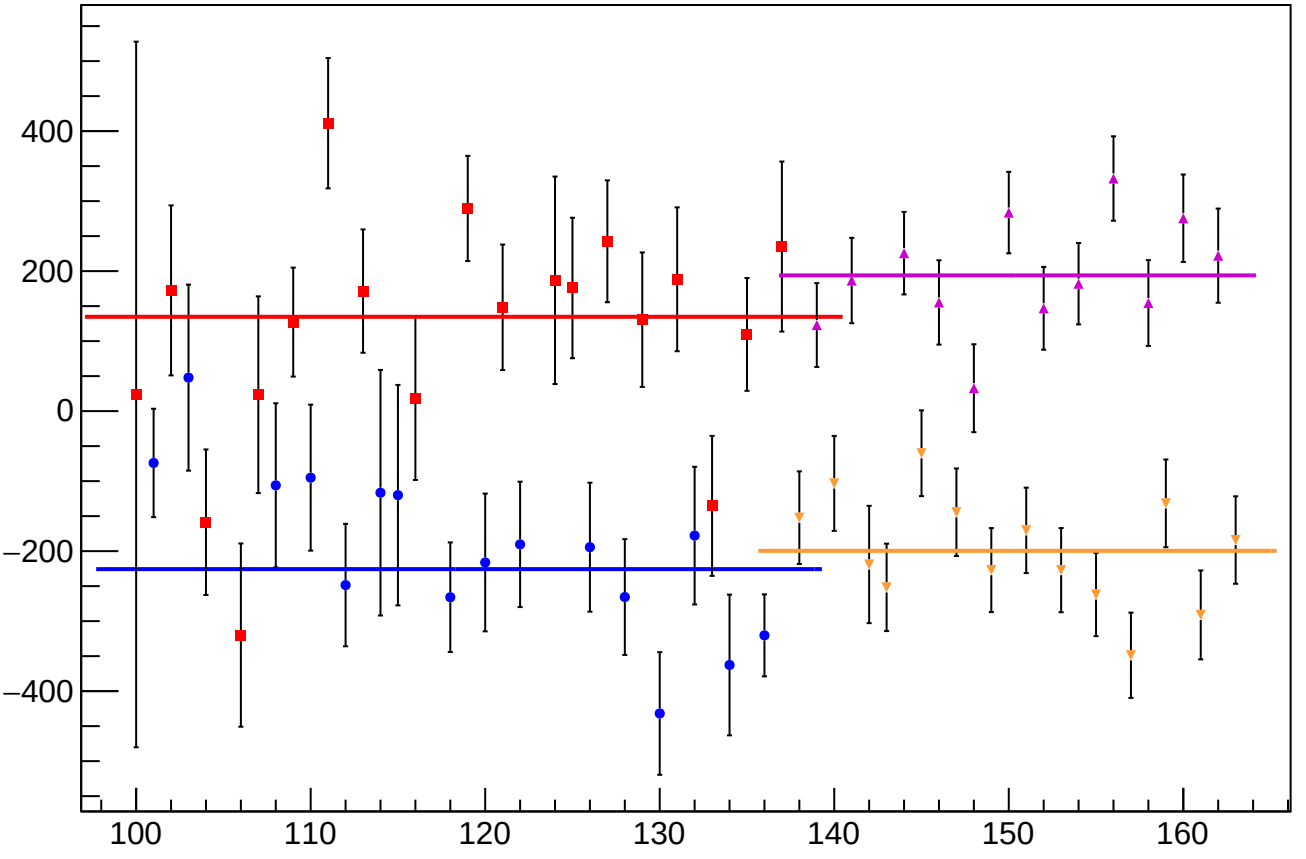
Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:240010.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4947471.2/29

All: 0.000+/-0.000 χ^2/NDF: 8554049.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3377100.9/30



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.559+/-16.899 χ^2/NDF:20.3/13

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

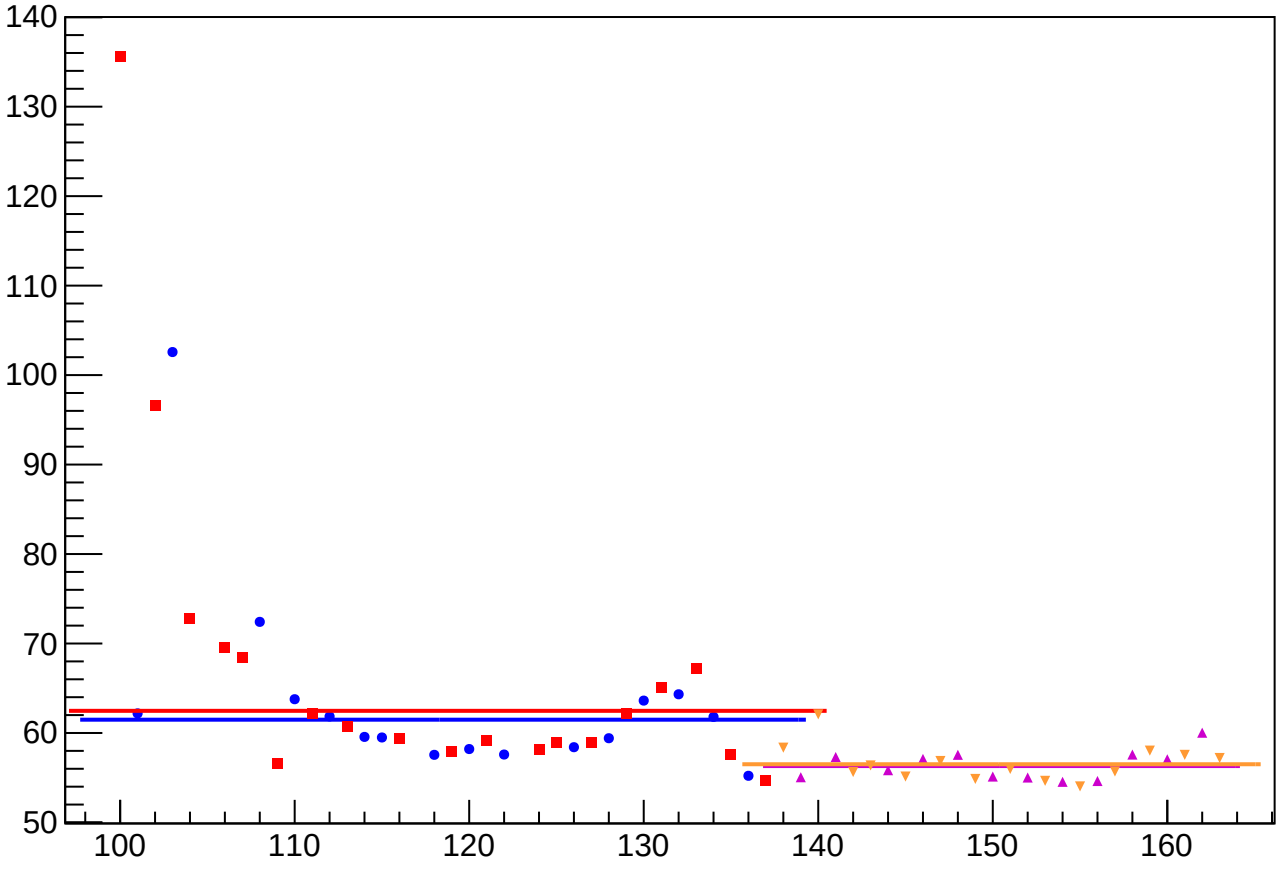
Left In: 193.925+/-17.512 χ^2/NDF:19.3/11

\+ sign -208.660+/-13.643 χ^2/NDF: 43.7/29

All: -22.695+/-9.762 χ^2/NDF: 493.2/60

\- sign 172.441+/-13.975 χ^2/NDF: 68.7/30

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

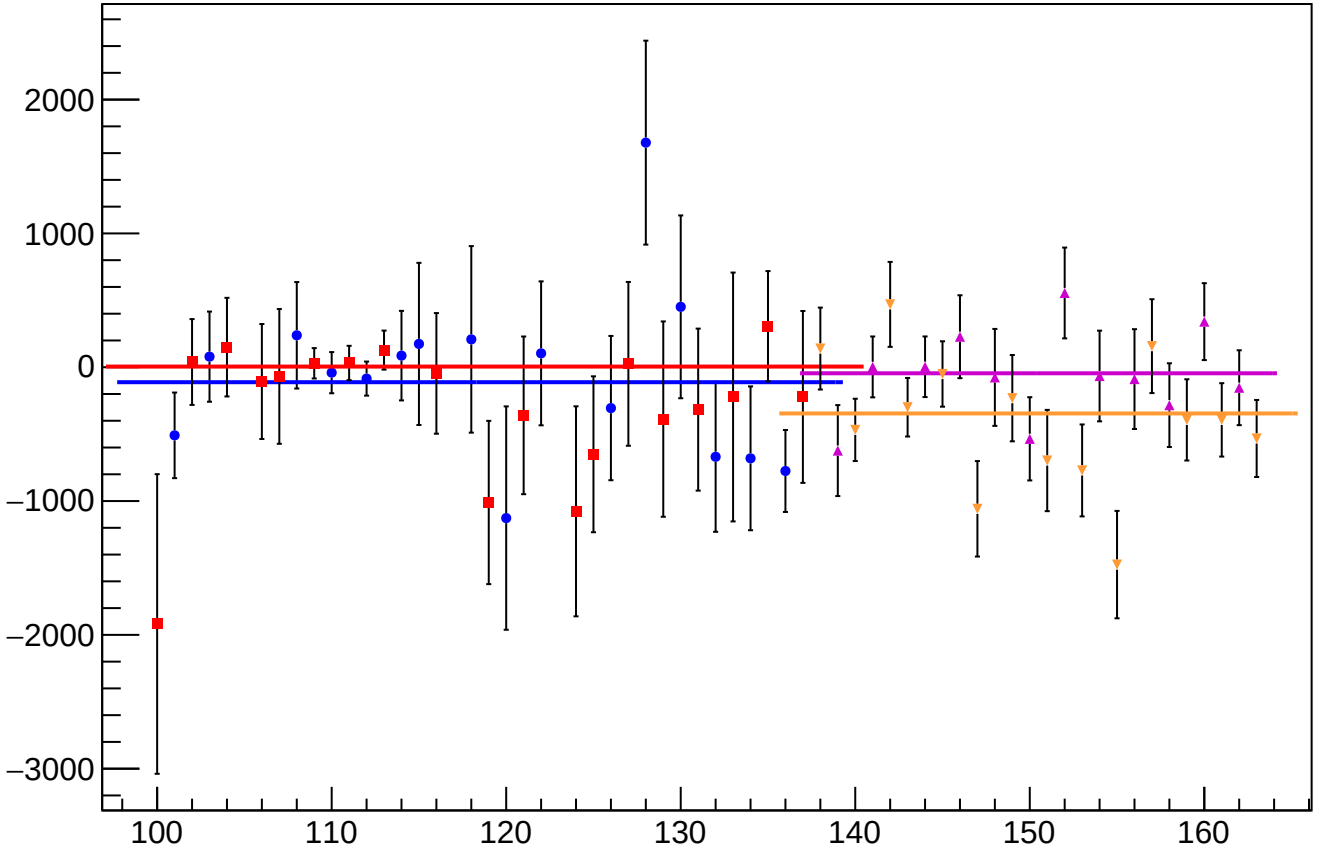
Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

+ sign 58.241+/-0.010 χ^2/NDF: 336898.7/29

All: 58.389+/-0.007 χ^2/NDF: 723898.7/60

- sign 58.545+/-0.010 χ^2/NDF: 386515.6/30

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -345.353+/-79.015 χ^2/NDF:27.9/13

Right Out: 4.893+/-63.933 χ^2/NDF: 11.6/18

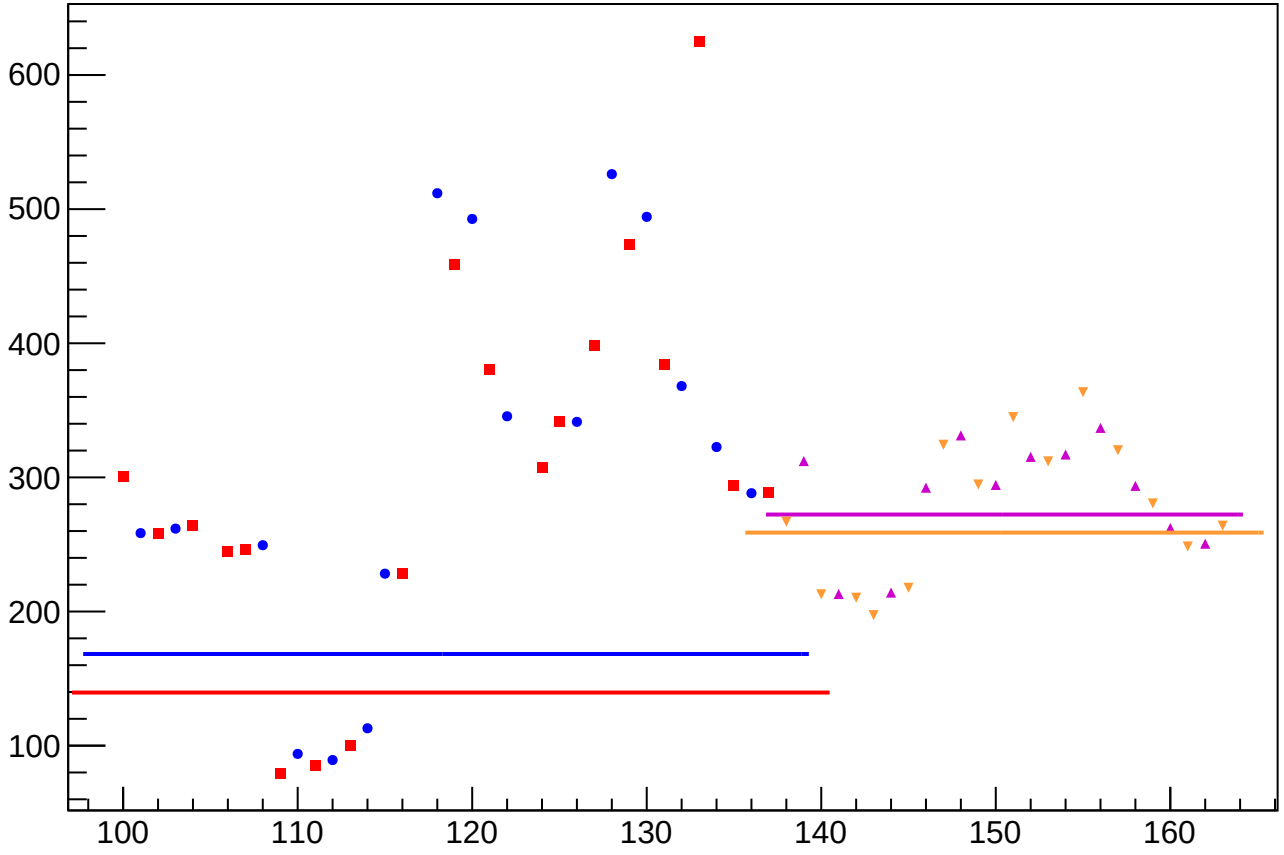
Left In: -45.153+/-85.888 χ^2/NDF:11.9/11

+ sign -224.405+/-54.854 χ^2/NDF: 50.8/29

All: -111.574+/-37.462 χ^2/NDF: 82.5/60

- sign -12.950+/-51.284 χ^2/NDF: 23.8/30

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 258.843+/-0.056 χ^2/NDF:795666.1/13

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

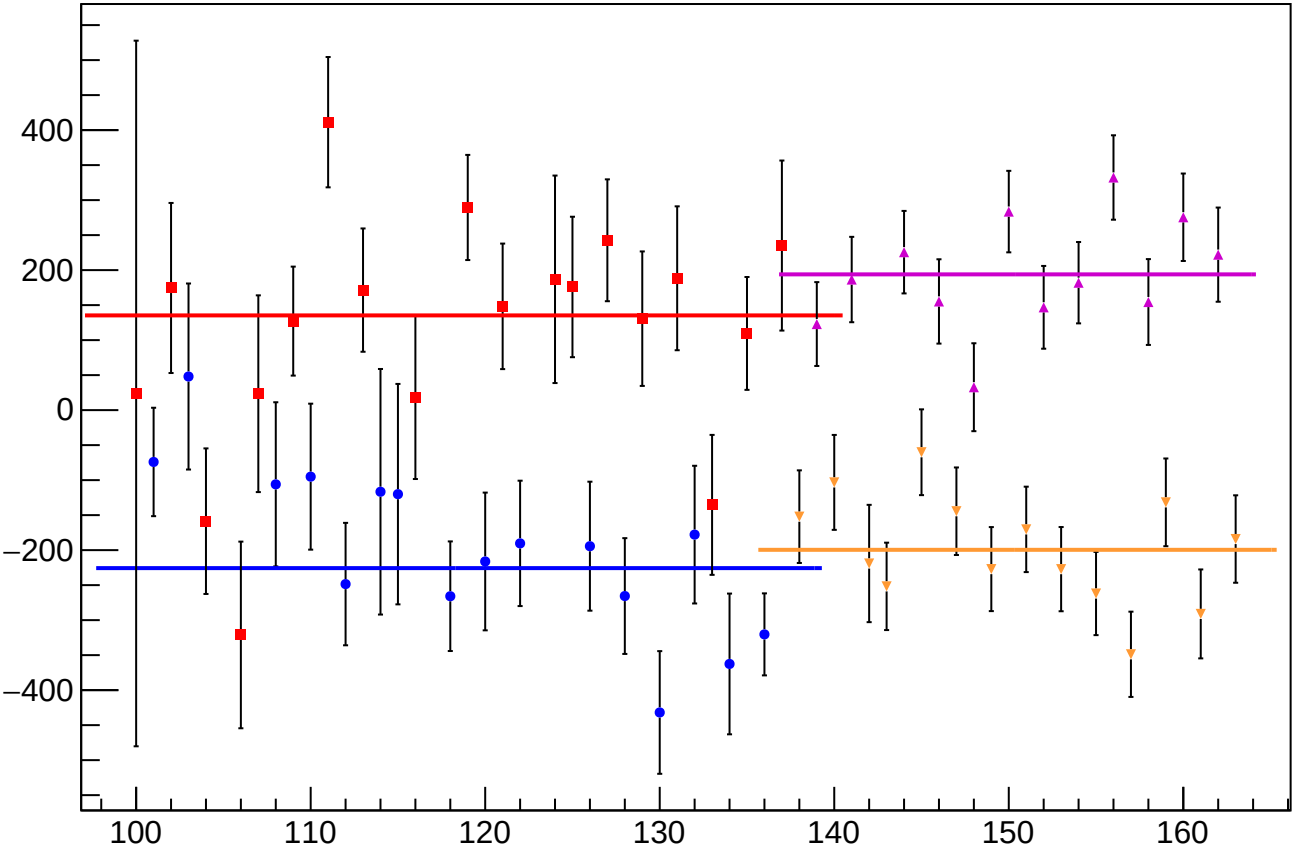
Left In: 272.310+/-0.061 χ^2/NDF:517694.5/11

+ sign 211.953+/-0.039 χ^2/NDF: 6699299.3/29

All: 198.591+/-0.026 χ^2/NDF: 15666365.2/60

- sign 186.912+/-0.036 χ^2/NDF: 8744670.4/30

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

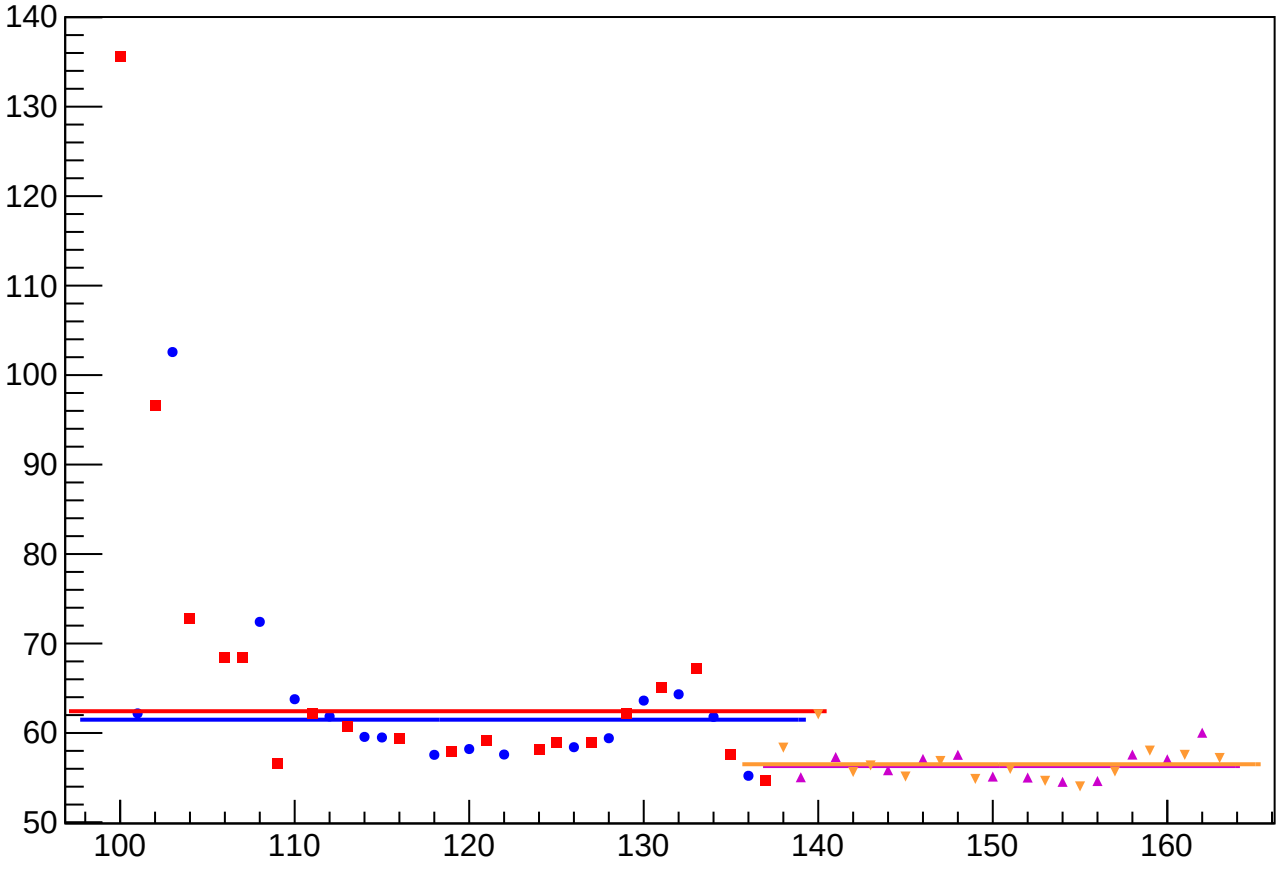
Left In: 193.924+/-17.512 χ^2/NDF:19.3/11

+ sign -208.659+/-13.643 χ^2/NDF: 43.8/29

All: -22.629+/-9.763 χ^2/NDF: 493.1/60

- sign 172.656+/-13.978 χ^2/NDF: 68.3/30

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

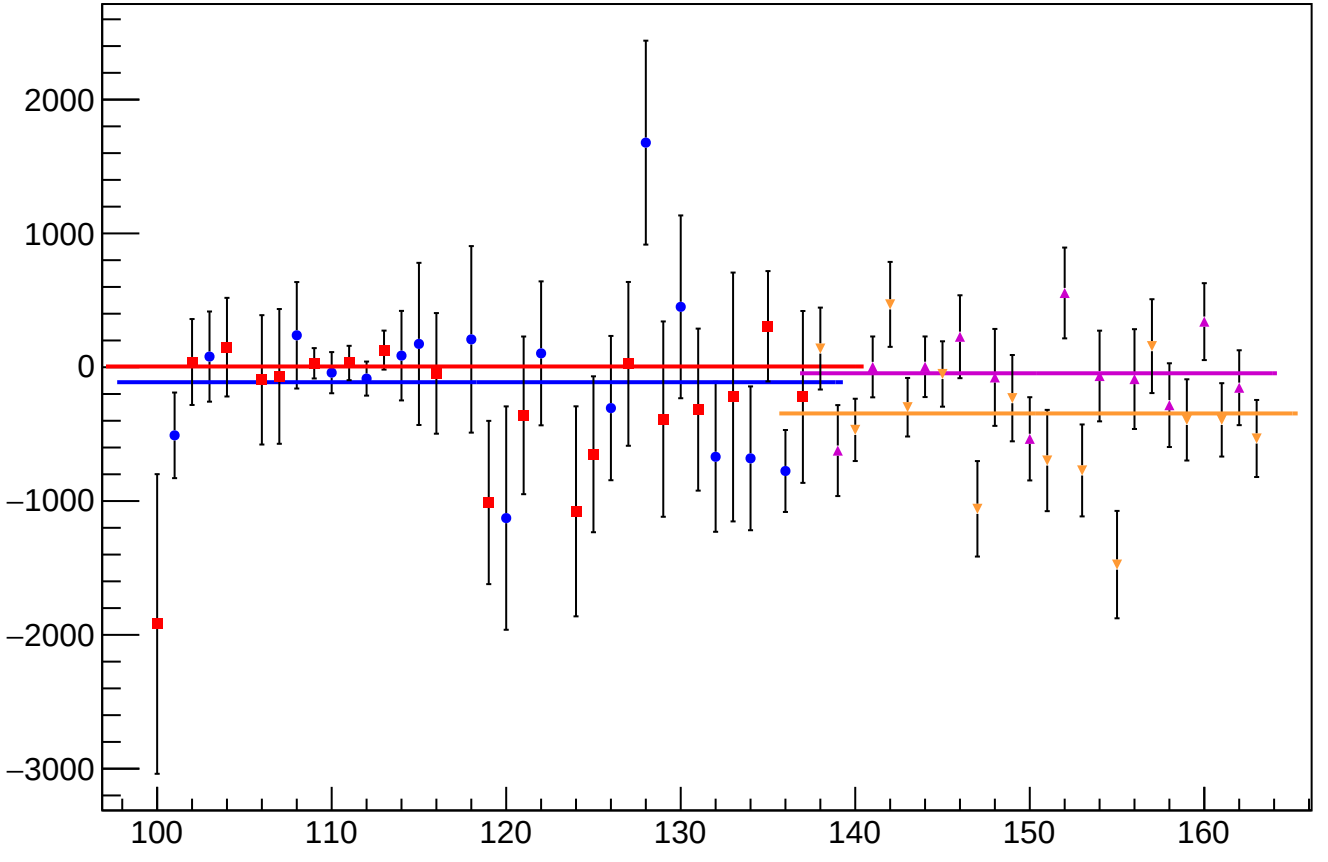
Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

+ sign 58.241+/-0.010 χ^2/NDF: 336901.4/29

All: 58.380+/-0.007 χ^2/NDF: 720787.7/60

- sign 58.527+/-0.010 χ^2/NDF: 383455.6/30

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

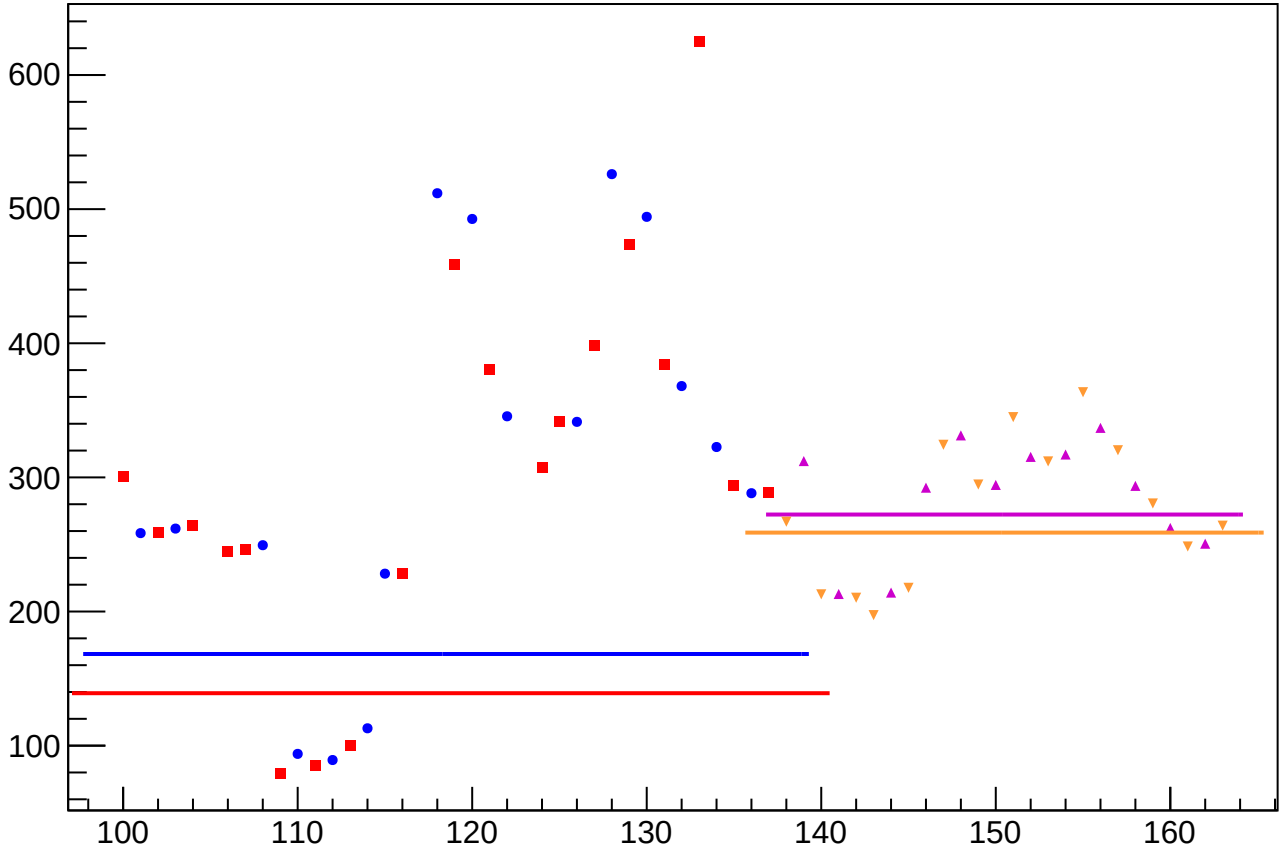
Left In: -45.148+/-85.888 χ^2/NDF:11.9/11

+ sign -224.395+/-54.854 χ^2/NDF: 50.8/29

All: -111.510+/-37.493 χ^2/NDF: 82.5/60

- sign -12.539+/-51.363 χ^2/NDF: 23.8/30

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

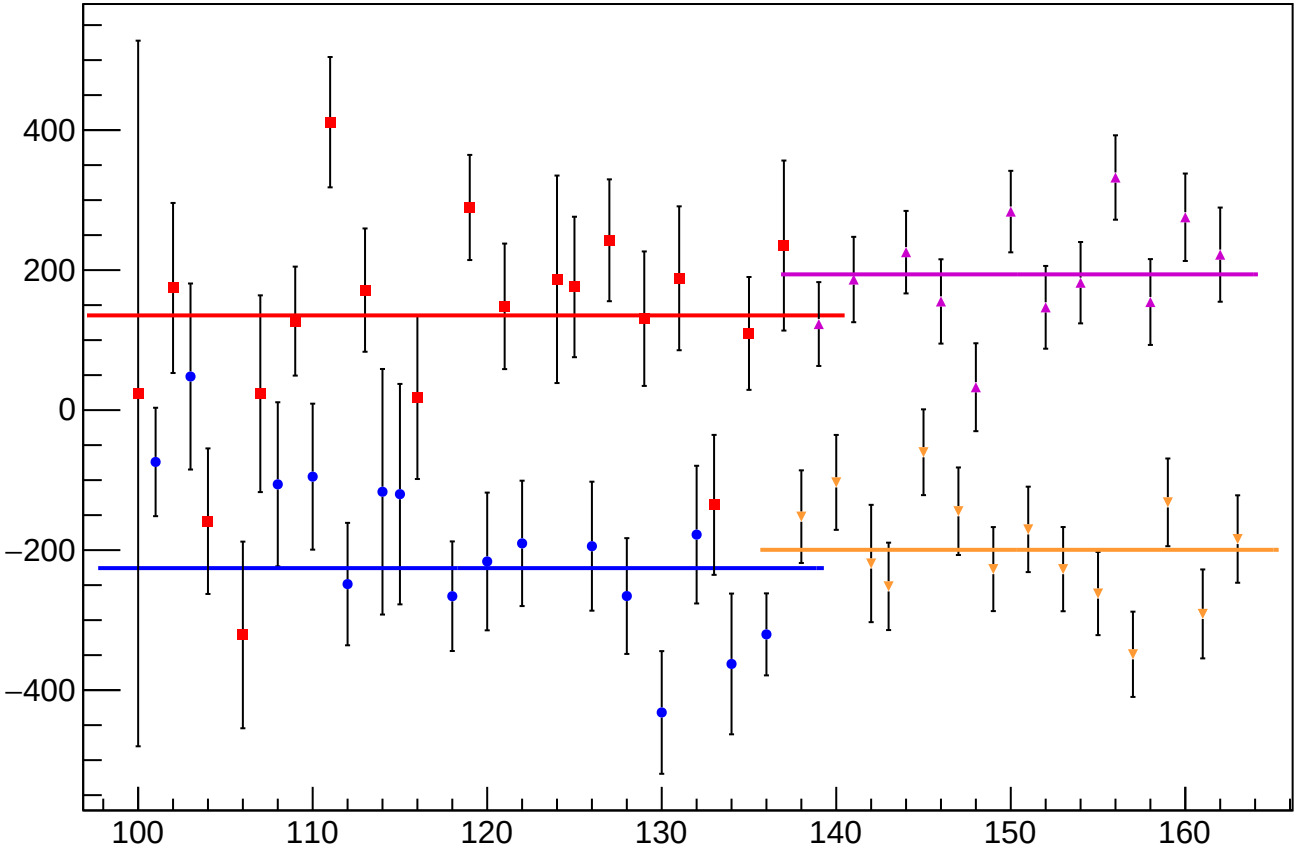
Left In: 272.310+/-0.061 χ^2/NDF:517692.6/11

+ sign 211.953+/-0.039 χ^2/NDF: 6699337.0/29

All: 198.520+/-0.027 χ^2/NDF: 15662385.8/60

- sign 186.743+/-0.036 χ^2/NDF: 8737955.7/30

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

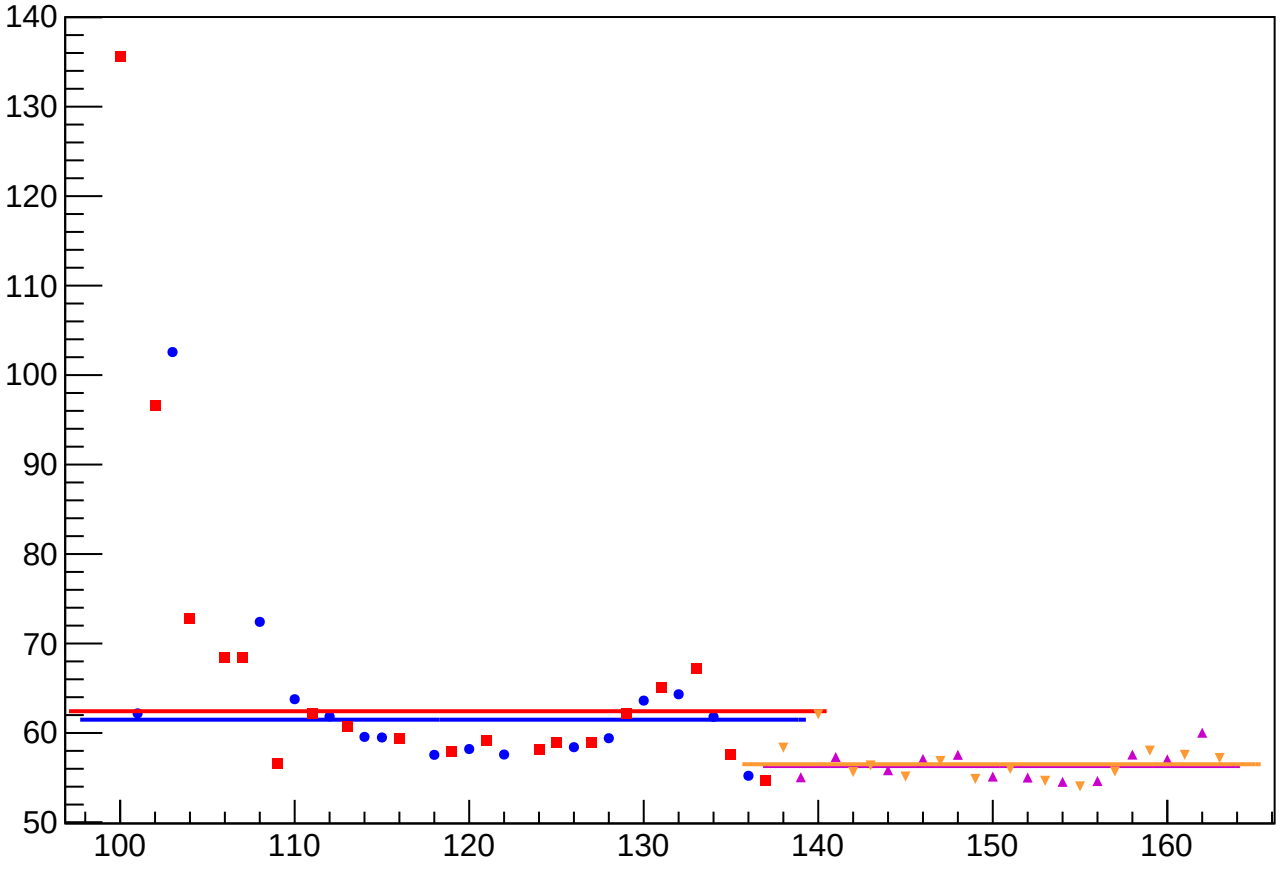
Left In: 193.924+/-17.512 χ^2/NDF:19.3/11

\+ sign -208.659+/-13.643 χ^2/NDF: 43.8/29

All: -22.629+/-9.763 χ^2/NDF: 493.1/60

\- sign 172.656+/-13.978 χ^2/NDF: 68.3/30

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

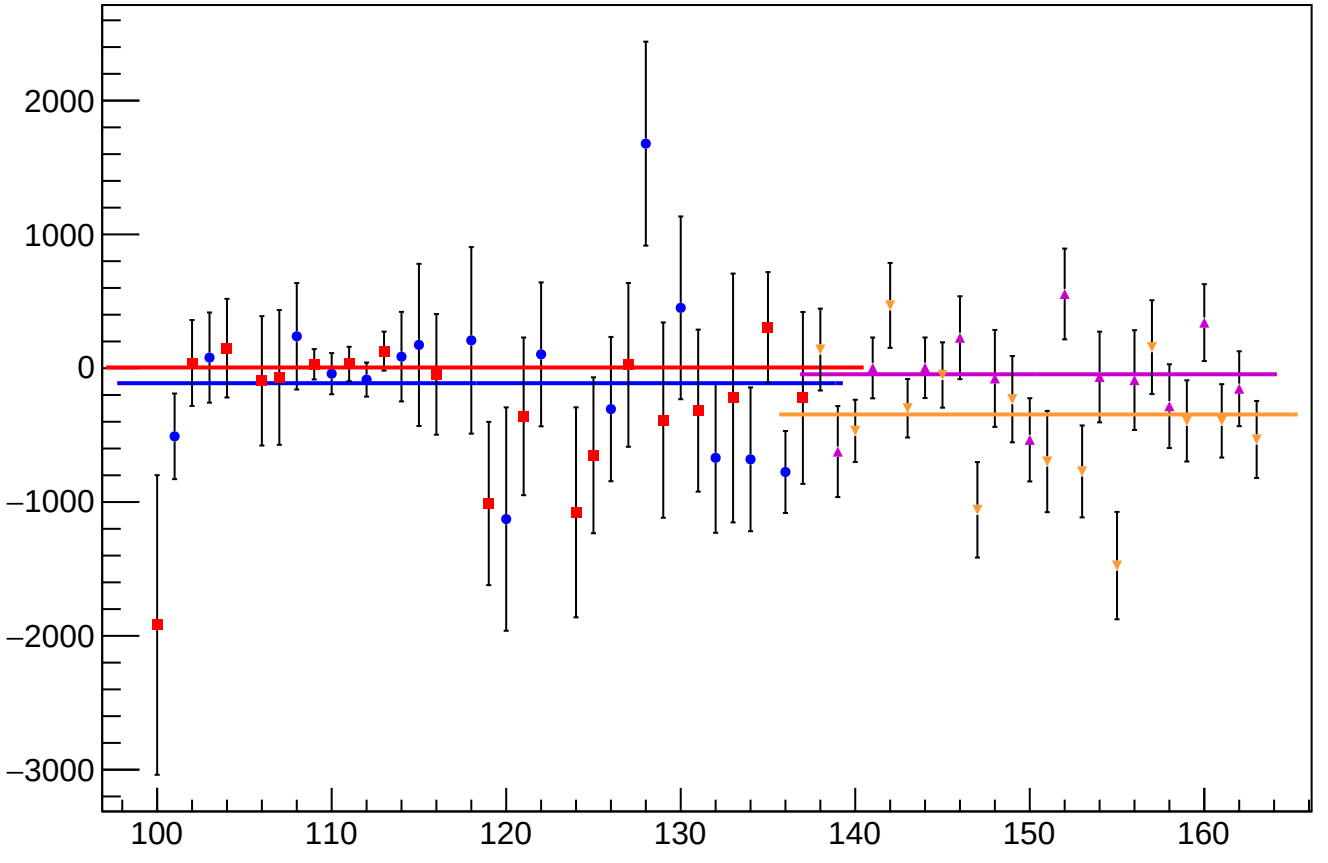
Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

+ sign 58.241+/-0.010 χ^2/NDF: 336901.4/29

All: 58.380+/-0.007 χ^2/NDF: 720787.7/60

- sign 58.527+/-0.010 χ^2/NDF: 383455.6/30

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

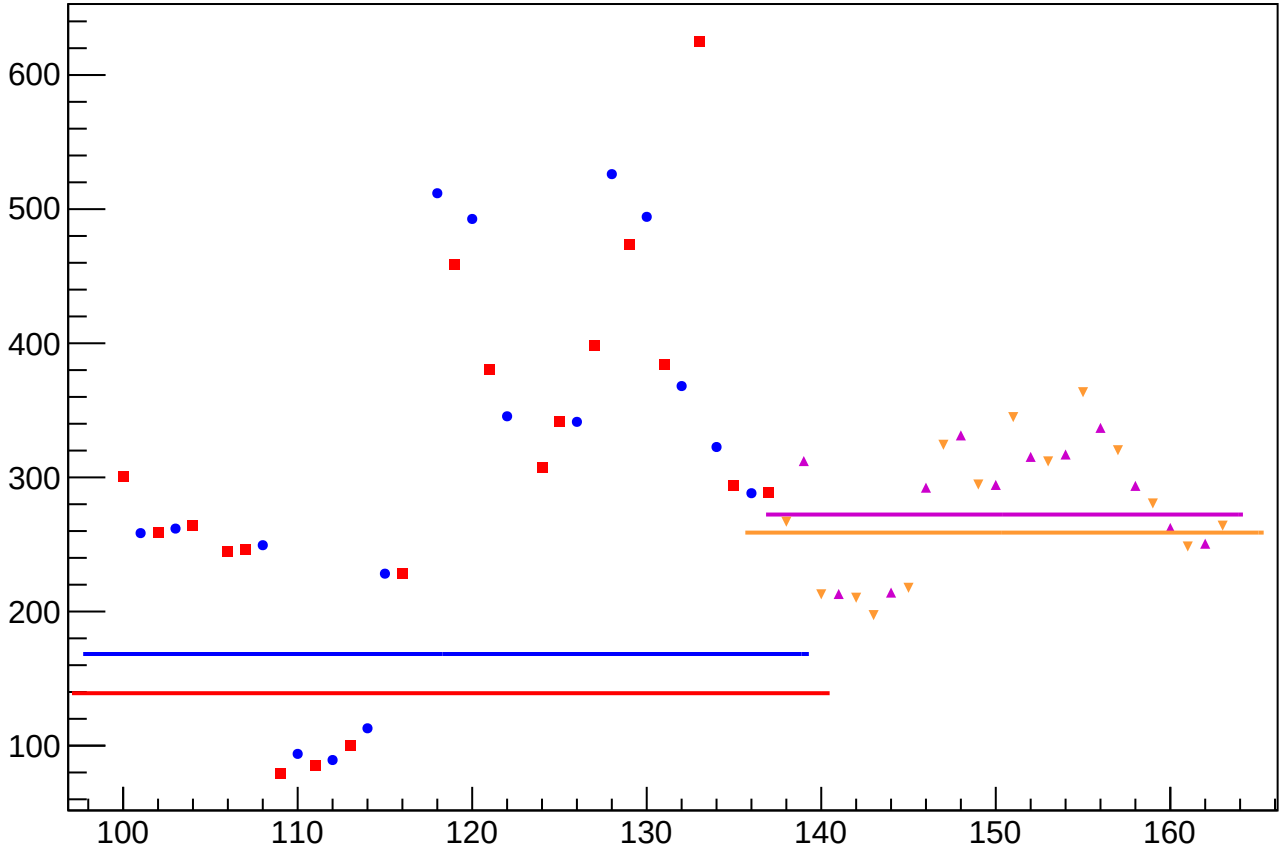
Left In: -45.148+/-85.888 χ^2/NDF:11.9/11

+ sign -224.395+/-54.854 χ^2/NDF: 50.8/29

All: -111.510+/-37.493 χ^2/NDF: 82.5/60

- sign -12.539+/-51.363 χ^2/NDF: 23.8/30

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

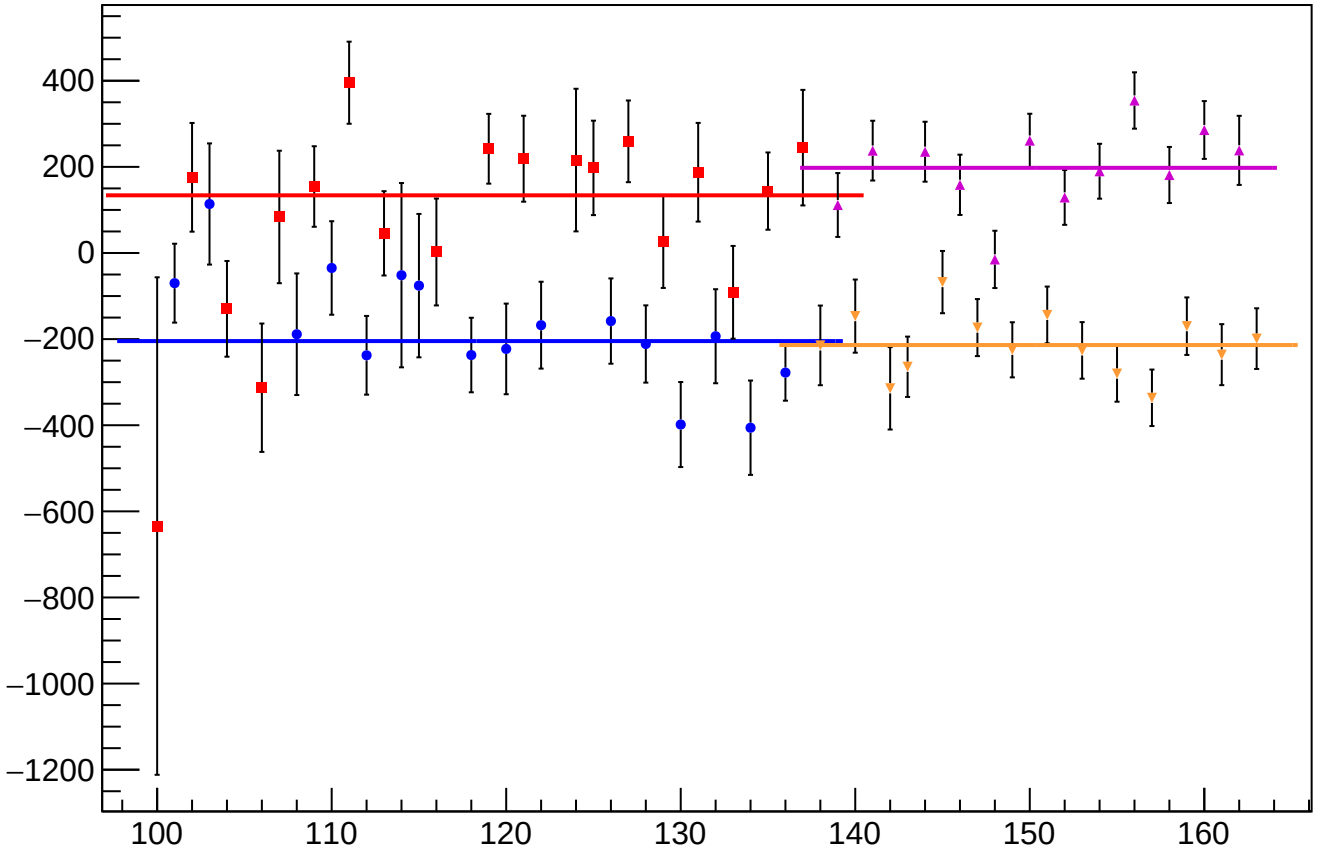
Left In: 272.310+/-0.061 χ^2/NDF:517692.6/11

+ sign 211.953+/-0.039 χ^2/NDF: 6699337.0/29

All: 198.520+/-0.027 χ^2/NDF: 15662385.8/60

- sign 186.743+/-0.036 χ^2/NDF: 8737955.7/30

dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.771+/-18.945 χ^2/NDF:13.0/13

Right Out: 133.924+/-25.484 χ^2/NDF: 37.2/18

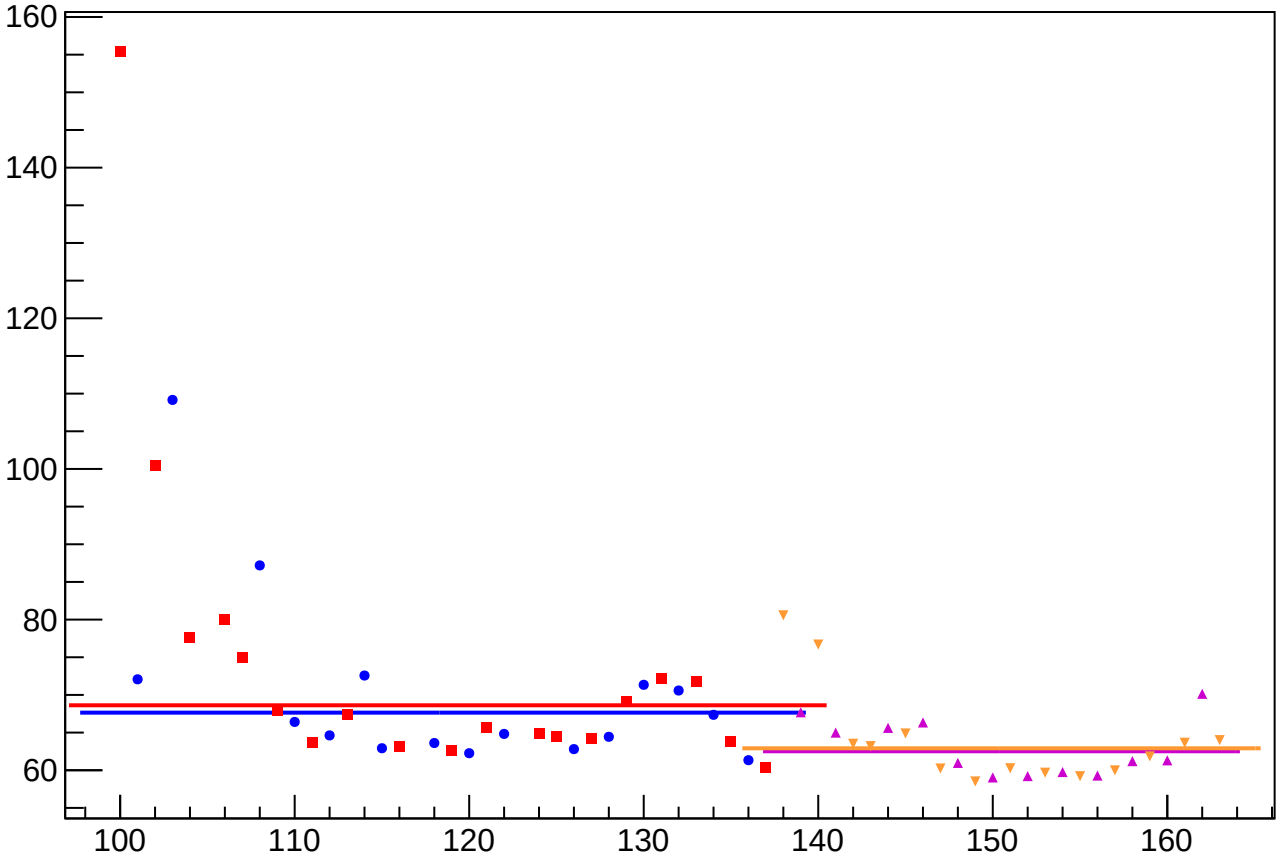
Left In: 197.775+/-19.527 χ^2/NDF:22.5/11

+ sign -210.505+/-15.212 χ^2/NDF: 33.1/29

All: -21.775+/-10.857 χ^2/NDF: 410.4/60

- sign 174.154+/-15.500 χ^2/NDF: 63.7/30

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159504.1/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

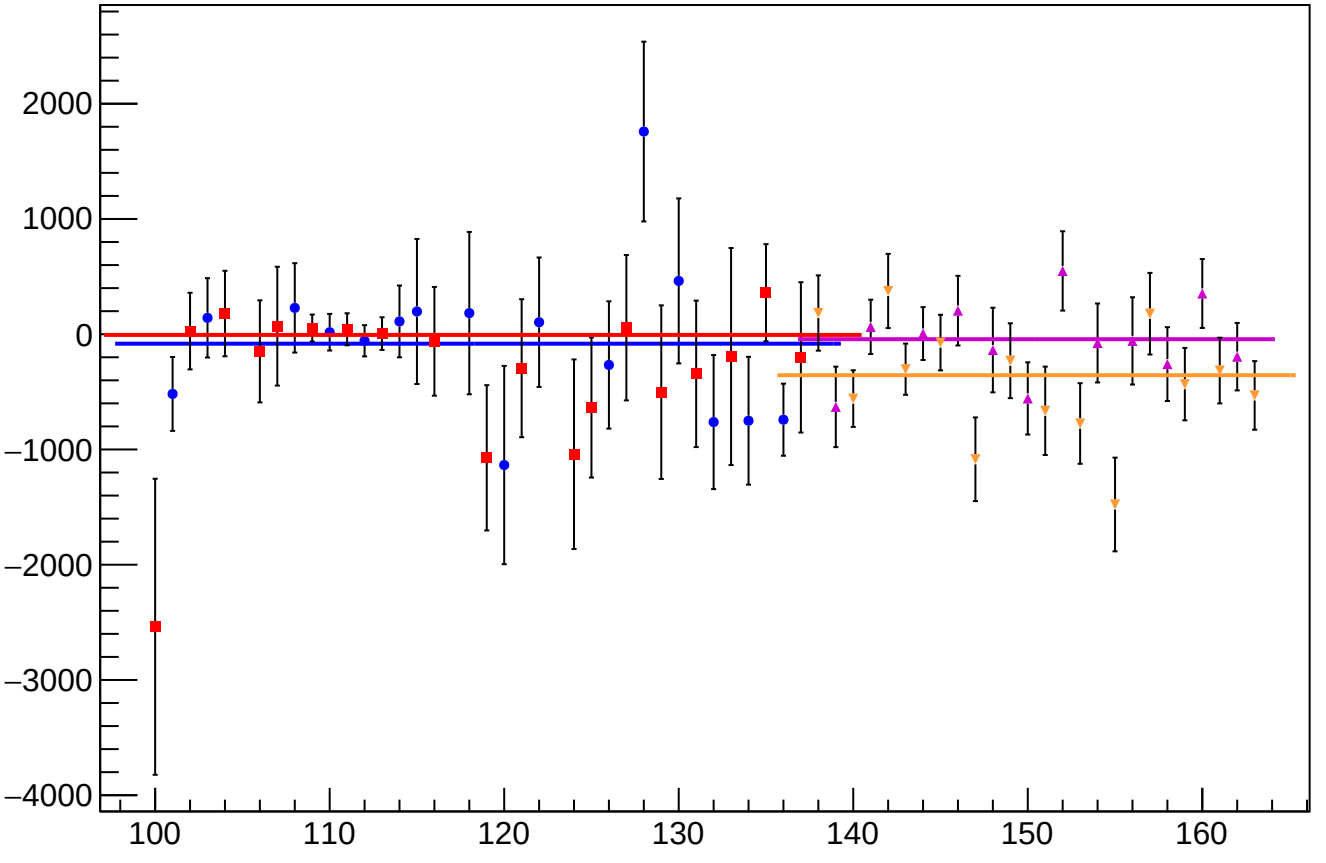
Left In: 62.519+/-0.014 χ^2/NDF:63056.0/11

+ sign 64.595+/-0.011 χ^2/NDF: 467539.7/29

All: 64.685+/-0.008 χ^2/NDF: 851219.6/60

- sign 64.778+/-0.011 χ^2/NDF: 383538.6/30

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -355.566+/-80.886 χ^2/NDF:26.6/13

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

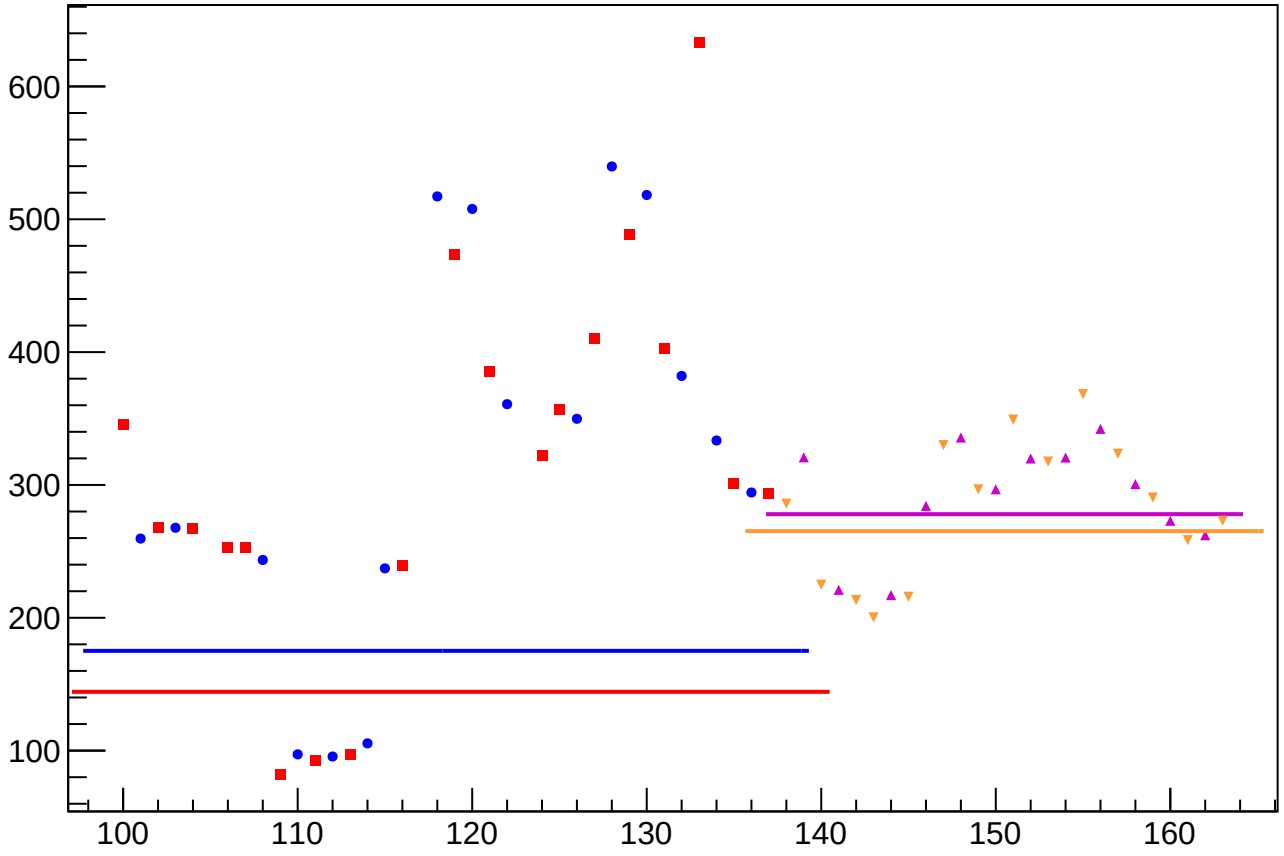
Left In: -43.166+/-87.602 χ^2/NDF:12.0/11

+ sign -215.111+/-56.398 χ^2/NDF: 51.7/29

All: -110.610+/-38.493 χ^2/NDF: 82.2/60

- sign -19.475+/-52.668 χ^2/NDF: 24.1/30

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.234+/-0.057 χ^2/NDF:790239.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

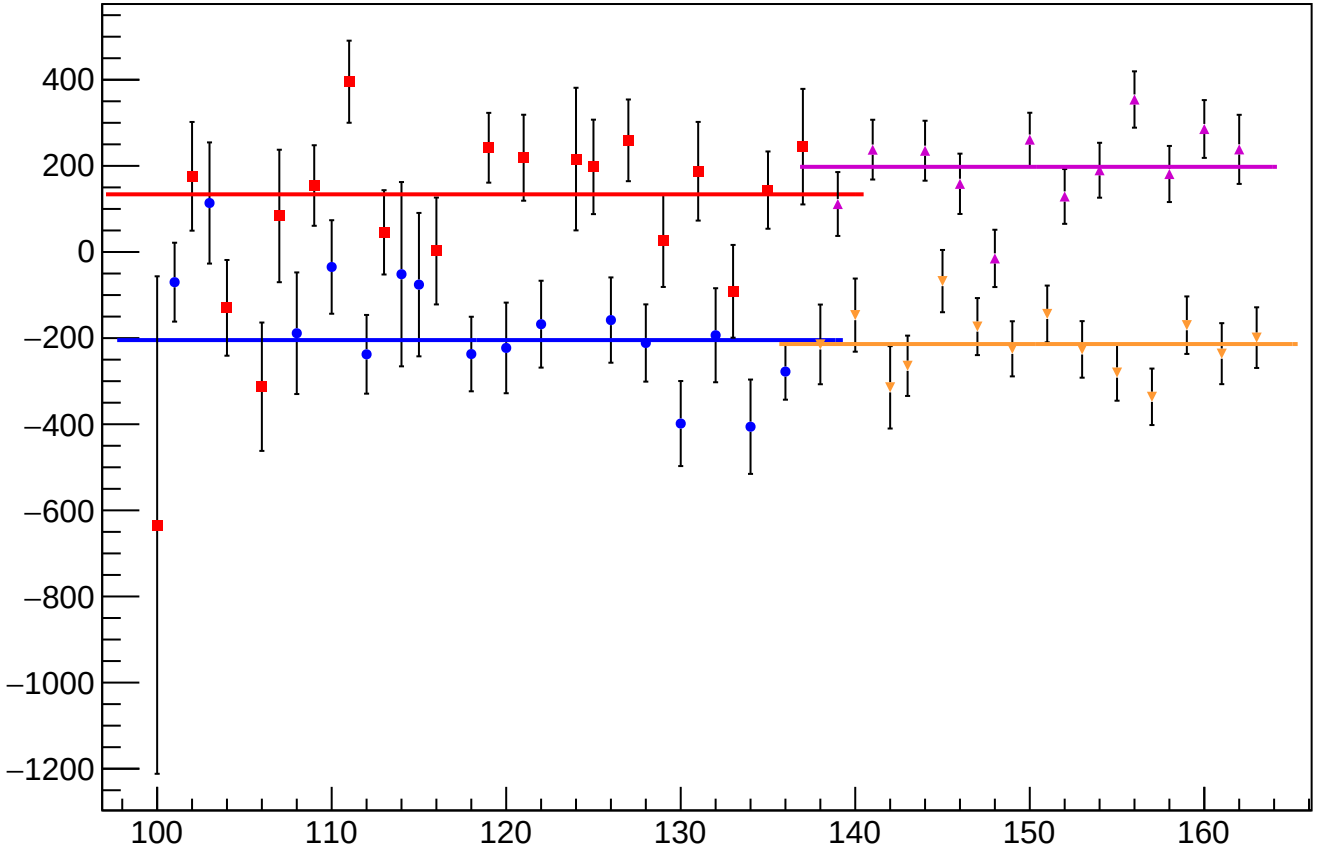
Left In: 278.022+/-0.062 χ^2/NDF:479859.8/11

+ sign 218.918+/-0.040 χ^2/NDF: 6495444.5/29

All: 204.871+/-0.027 χ^2/NDF: 15316777.8/60

- sign 192.620+/-0.037 χ^2/NDF: 8589044.2/30

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.770+/-18.945 χ^2/NDF:13.0/13

Right Out: 133.926+/-25.483 χ^2/NDF: 37.2/18

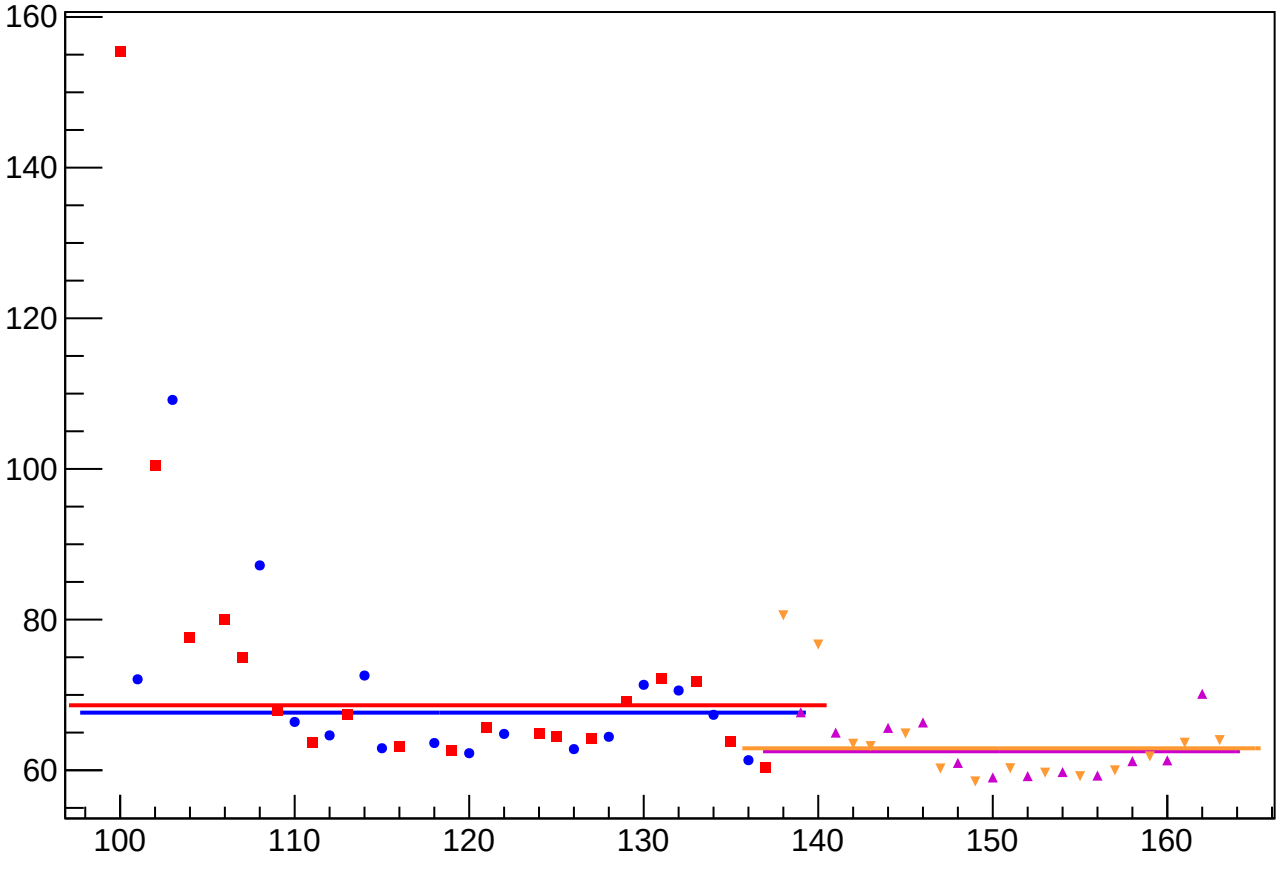
Left In: 197.776+/-19.527 χ^2/NDF:22.5/11

+ sign -210.504+/-15.212 χ^2/NDF: 33.1/29

All: -21.774+/-10.857 χ^2/NDF: 410.4/60

- sign 174.155+/-15.500 χ^2/NDF: 63.7/30

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159503.0/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

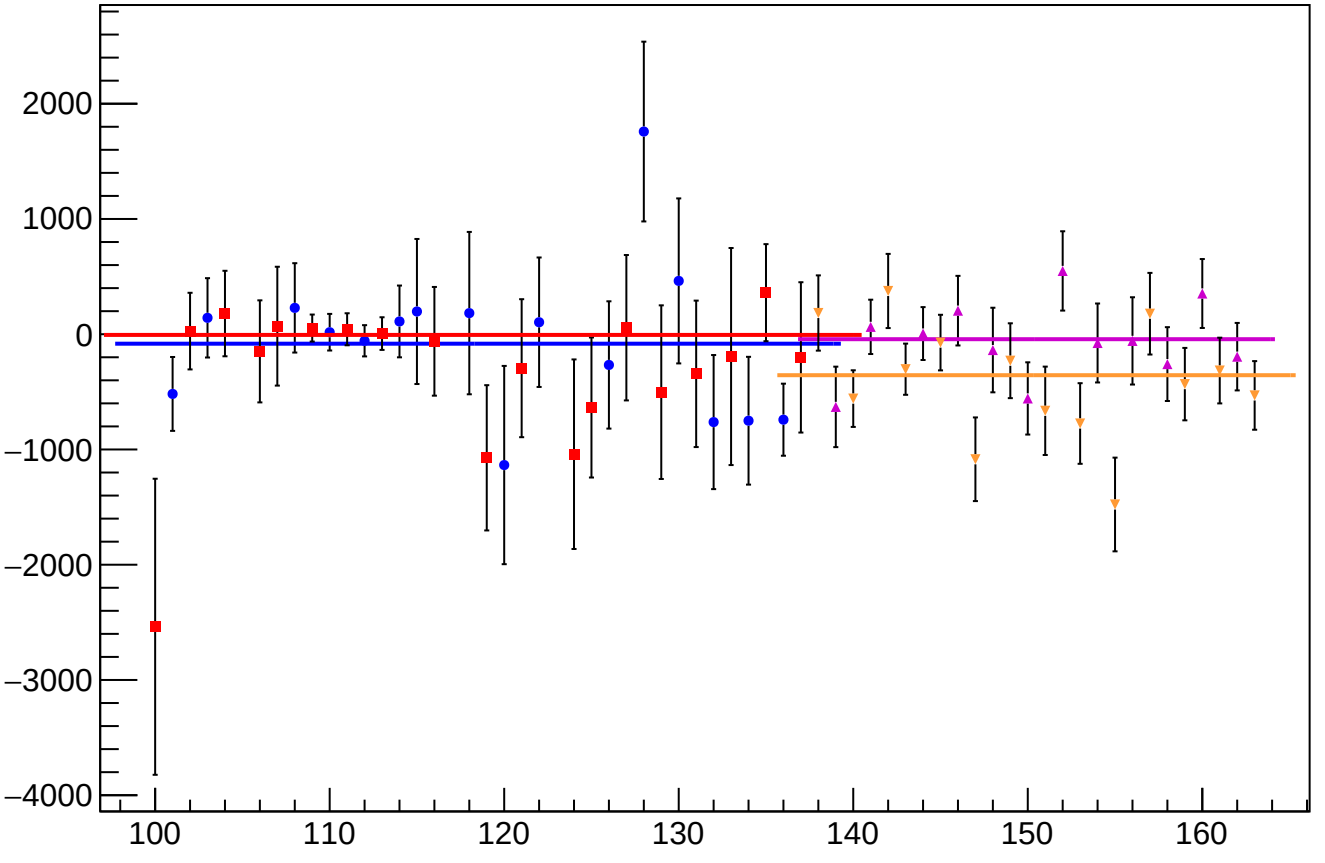
Left In: 62.519+/-0.014 χ^2/NDF:63056.4/11

+ sign 64.595+/-0.011 χ^2/NDF: 467533.8/29

All: 64.685+/-0.008 χ^2/NDF: 851209.7/60

- sign 64.777+/-0.011 χ^2/NDF: 383534.7/30

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -355.565+/-80.886 χ^2/NDF:26.6/13

Right Out: -6.062+/-65.910 χ^2/NDF: 12.0/18

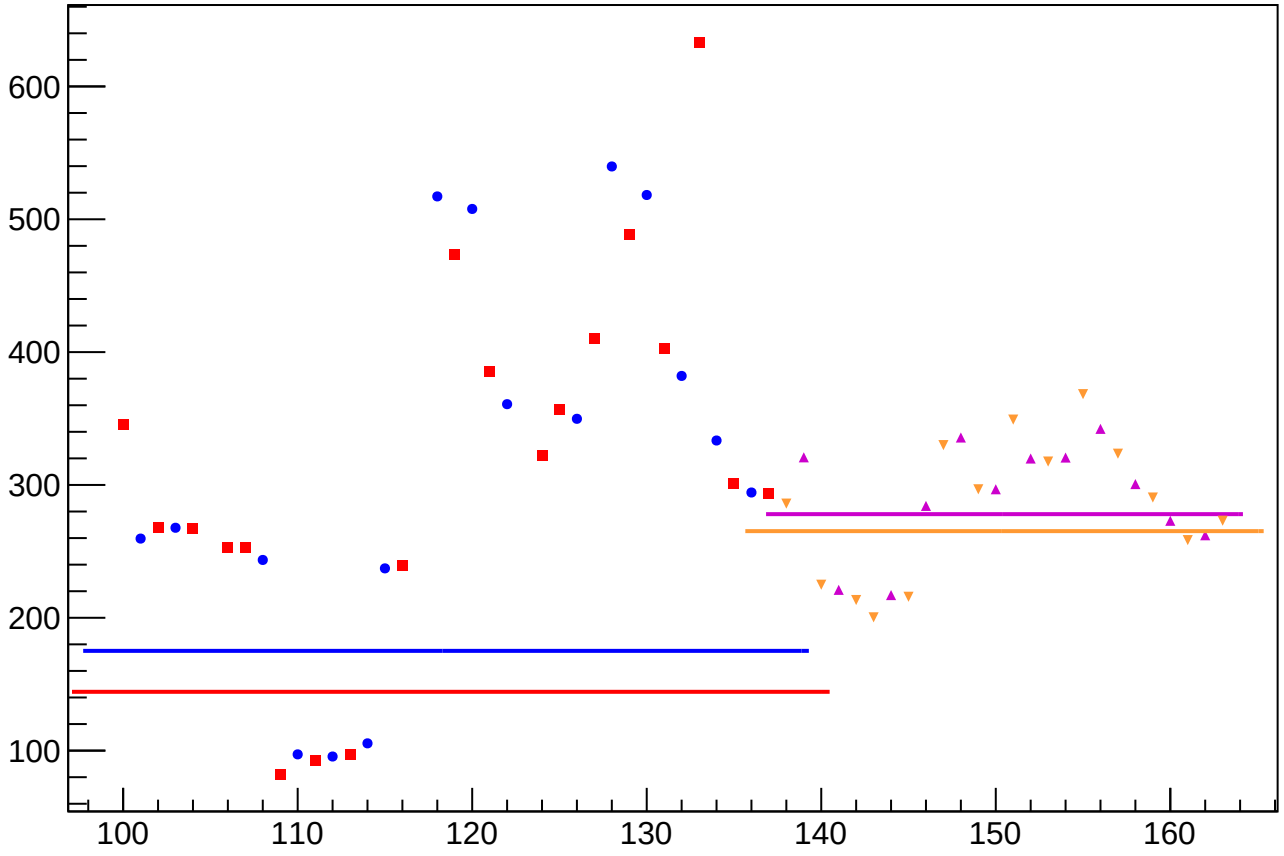
Left In: -43.166+/-87.602 χ^2/NDF:12.0/11

+ sign -215.109+/-56.397 χ^2/NDF: 51.7/29

All: -110.609+/-38.493 χ^2/NDF: 82.2/60

- sign -19.474+/-52.668 χ^2/NDF: 24.1/30

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.232+/-0.057 χ^2/NDF:790247.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

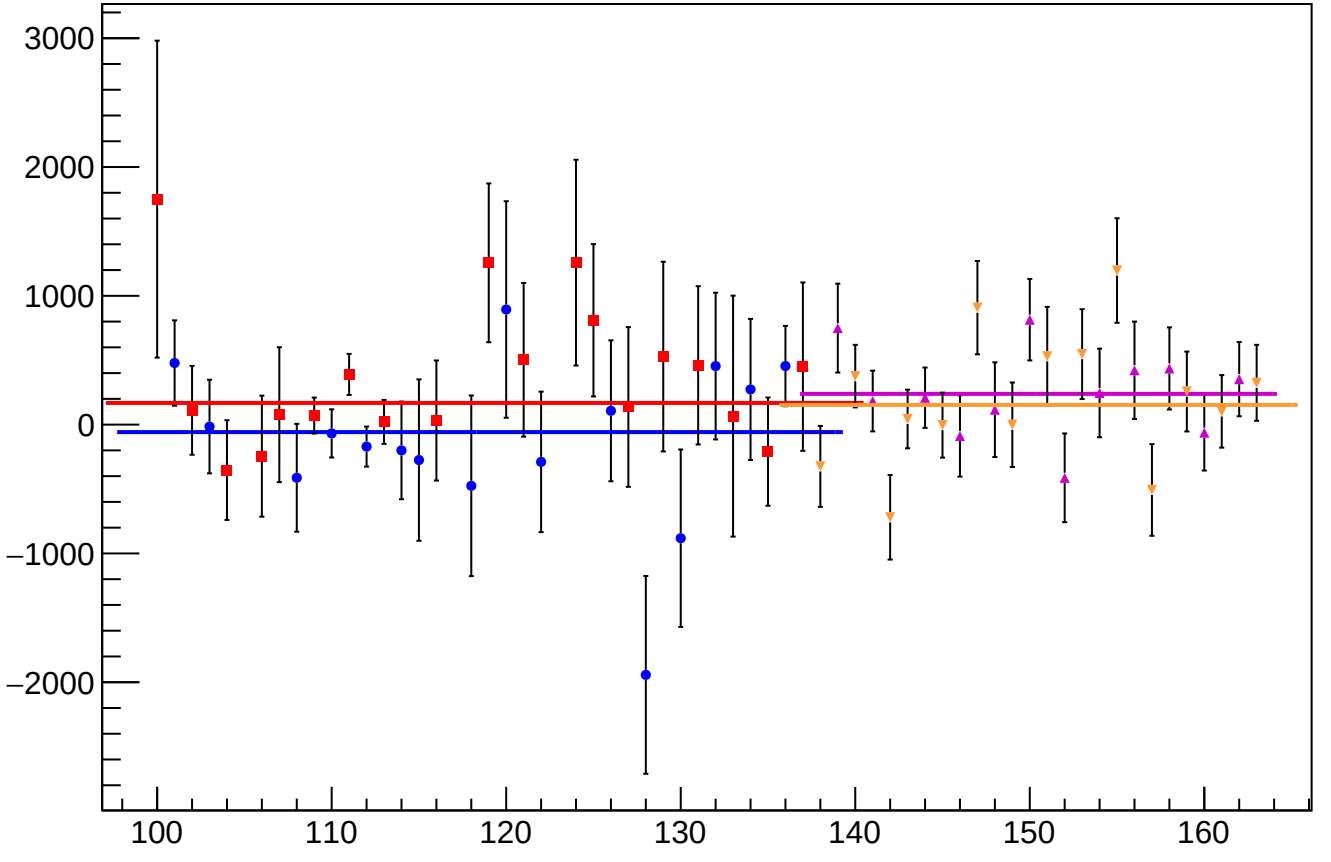
Left In: 278.021+/-0.062 χ^2/NDF:479861.1/11

+ sign 218.917+/-0.040 χ^2/NDF: 6495495.4/29

All: 204.870+/-0.027 χ^2/NDF: 15316787.0/60

- sign 192.619+/-0.037 χ^2/NDF: 8589015.7/30

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 152.866+/-81.168 χ^2/NDF:28.2/13

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

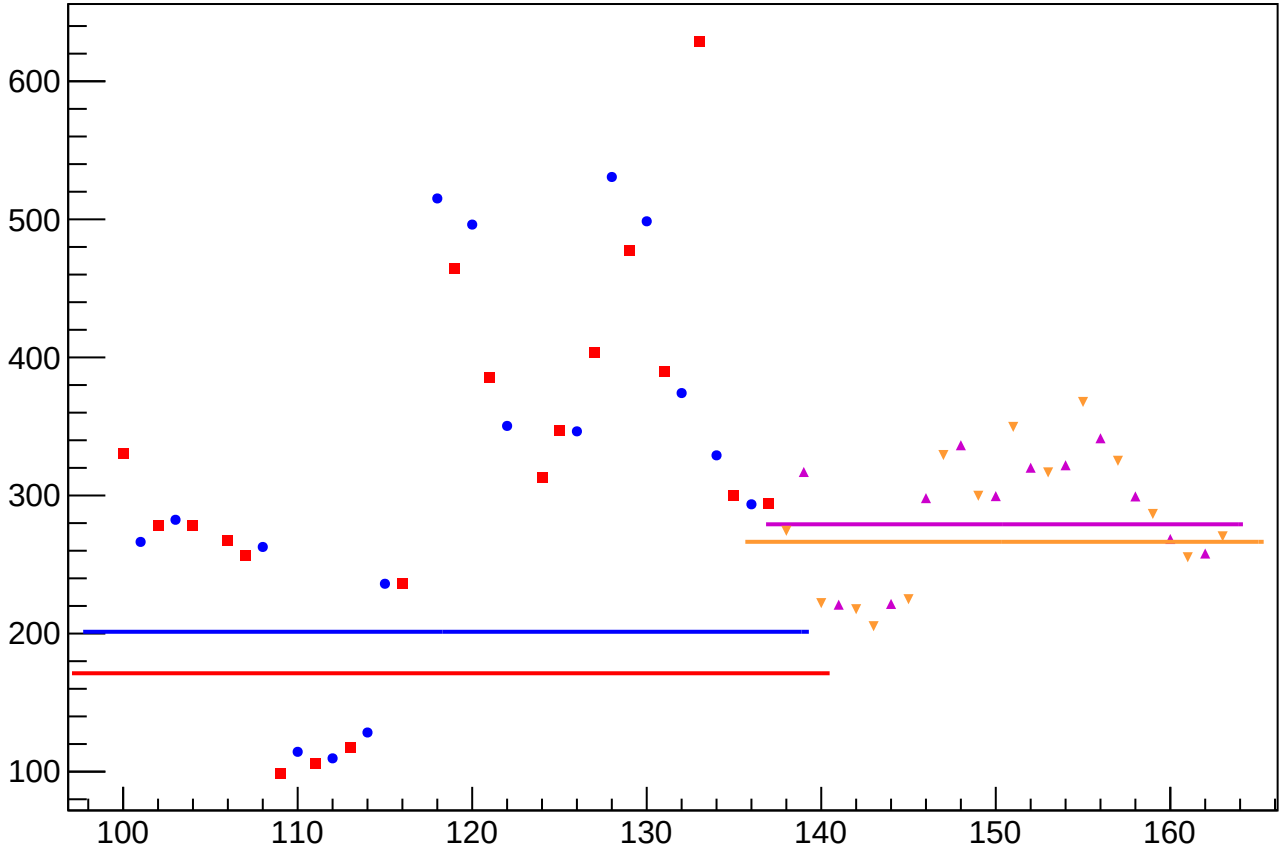
Left In: 238.759+/-87.917 χ^2/NDF:12.2/11

+ sign 54.619+/-59.314 χ^2/NDF: 48.7/29

All: 129.210+/-41.054 χ^2/NDF: 79.8/60

- sign 197.806+/-56.881 χ^2/NDF: 28.0/30

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.457+/-0.057 χ^2/NDF:718327.9/13

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

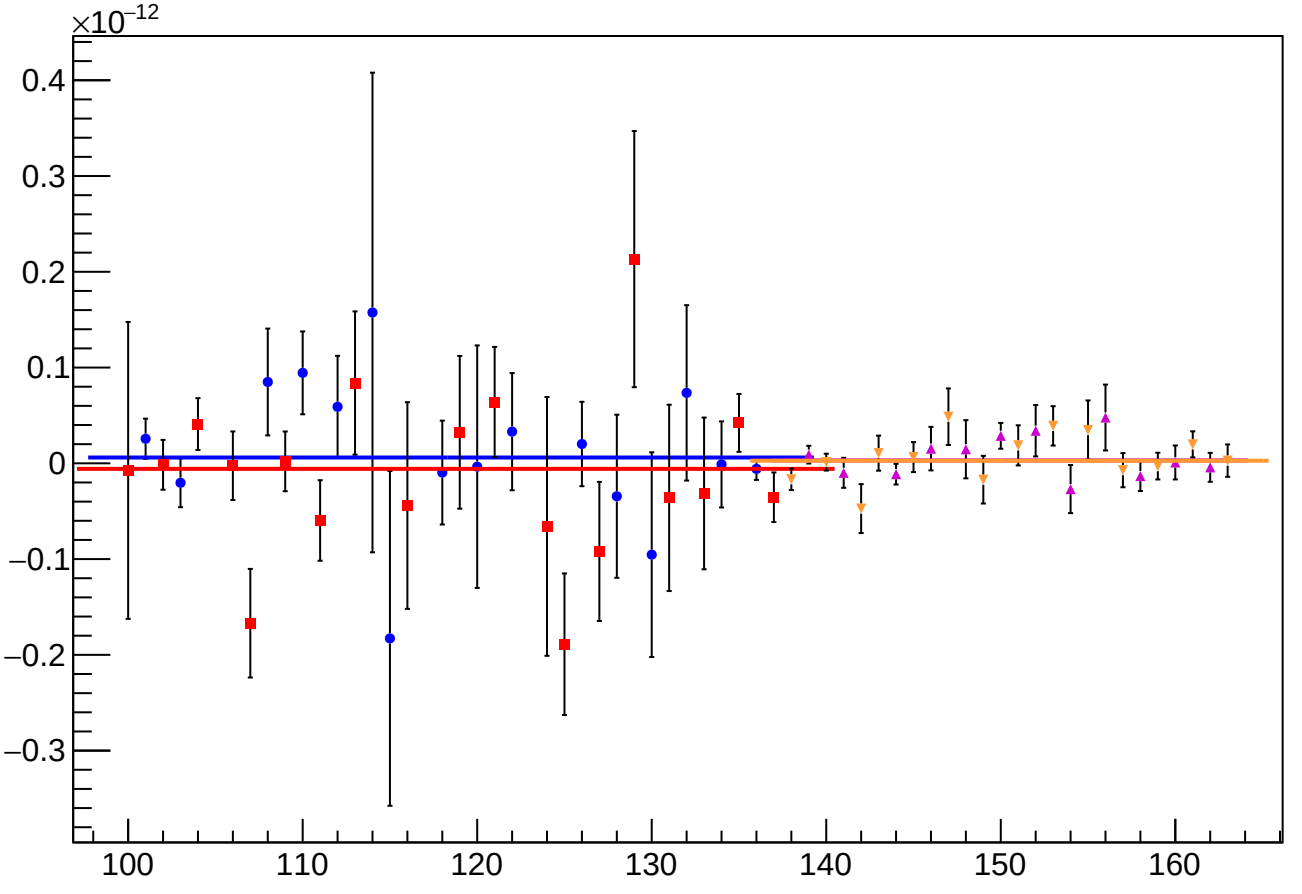
Left In: 279.142+/-0.062 χ^2/NDF:466501.7/11

+ sign 236.095+/-0.042 χ^2/NDF: 4891070.0/29

All: 225.842+/-0.029 χ^2/NDF: 11416022.8/60

- sign 216.413+/-0.040 χ^2/NDF: 6410235.0/30

asym_sam8_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:16.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

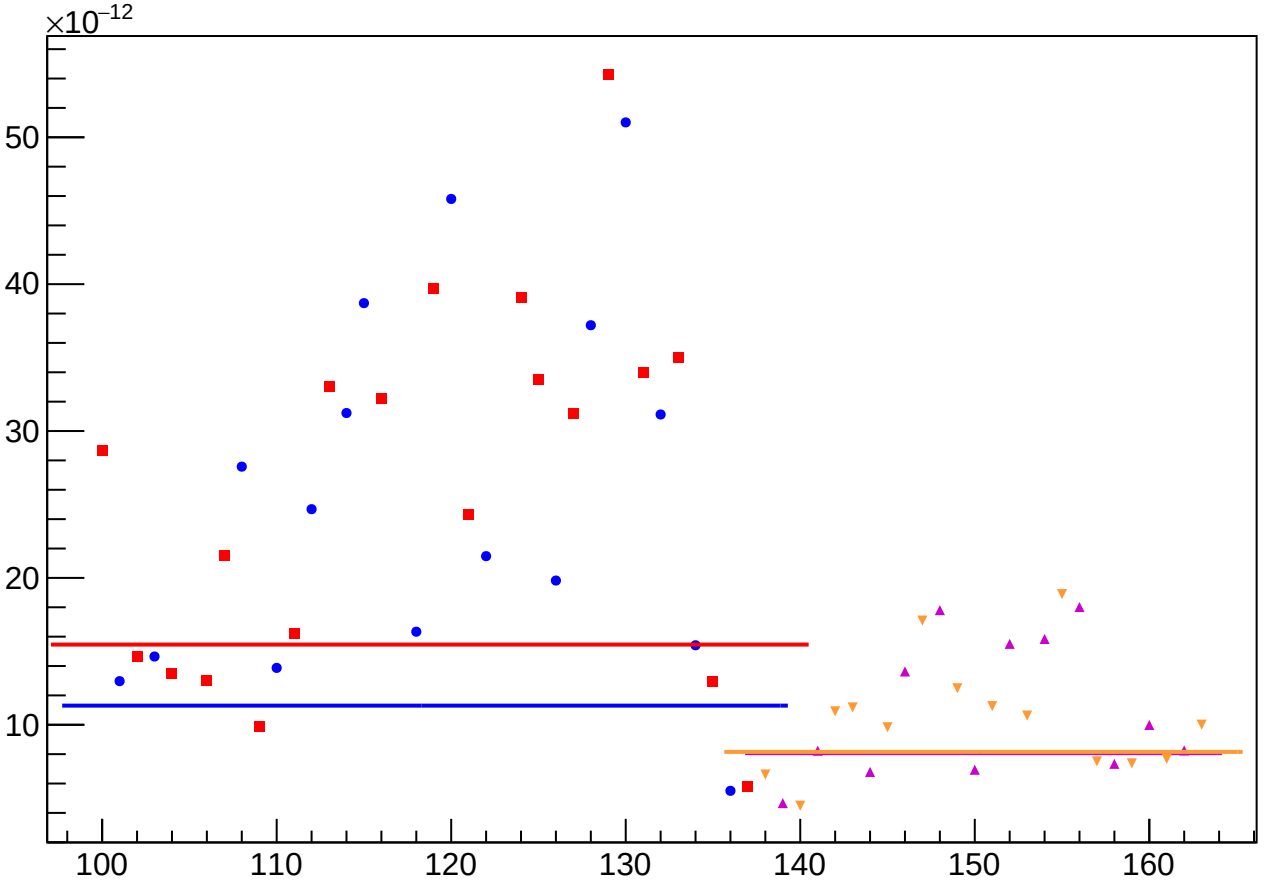
Left In: 0.000+/-0.000 χ^2/NDF:12.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 30.9/29

All: 0.000+/-0.000 χ^2/NDF: 74.9/60

- sign 0.000+/-0.000 χ^2/NDF: 43.9/30

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1079259.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

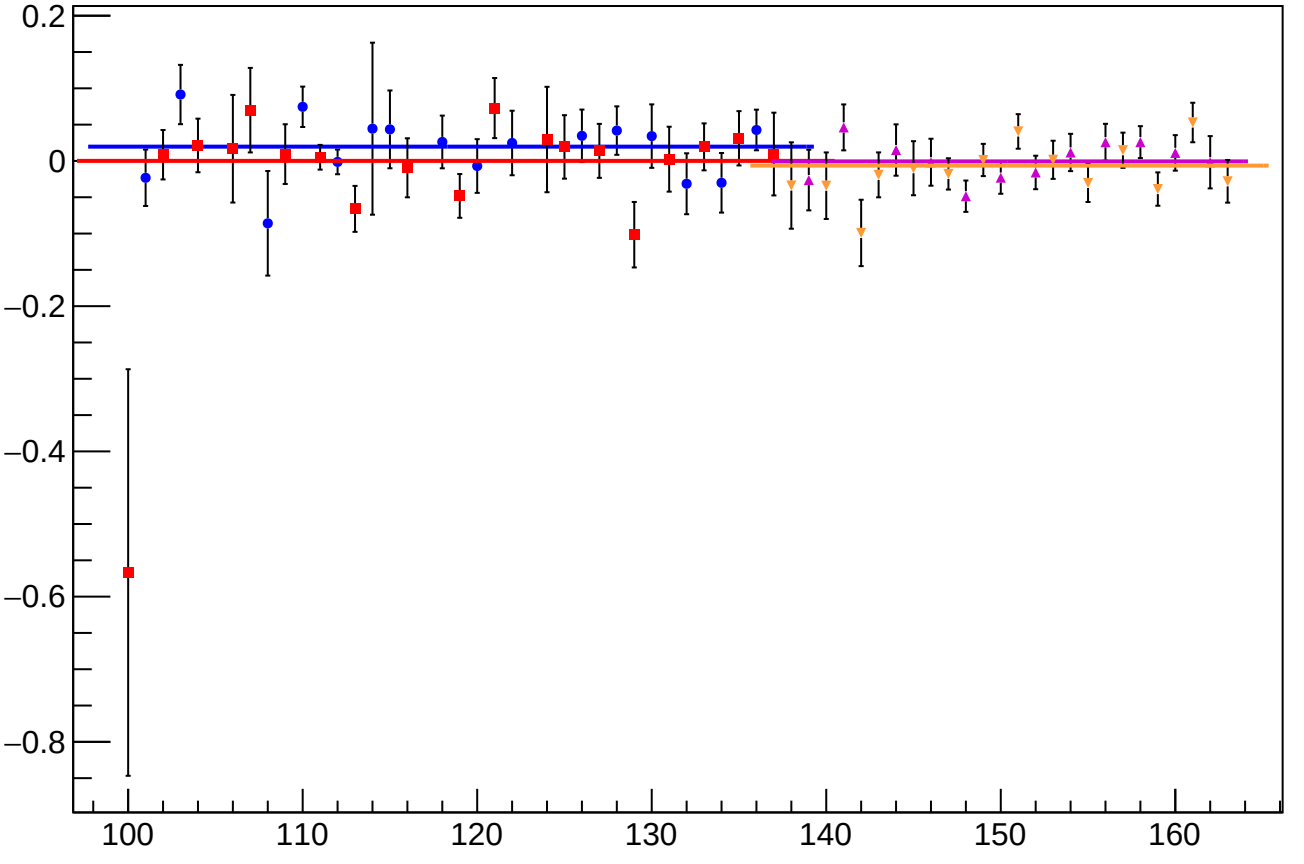
Left In: 0.000+/-0.000 χ^2/NDF:1179637.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 3097707.9/29

All: 0.000+/-0.000 χ^2/NDF: 6611338.0/60

- sign 0.000+/-0.000 χ^2/NDF: 3499093.3/30

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+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

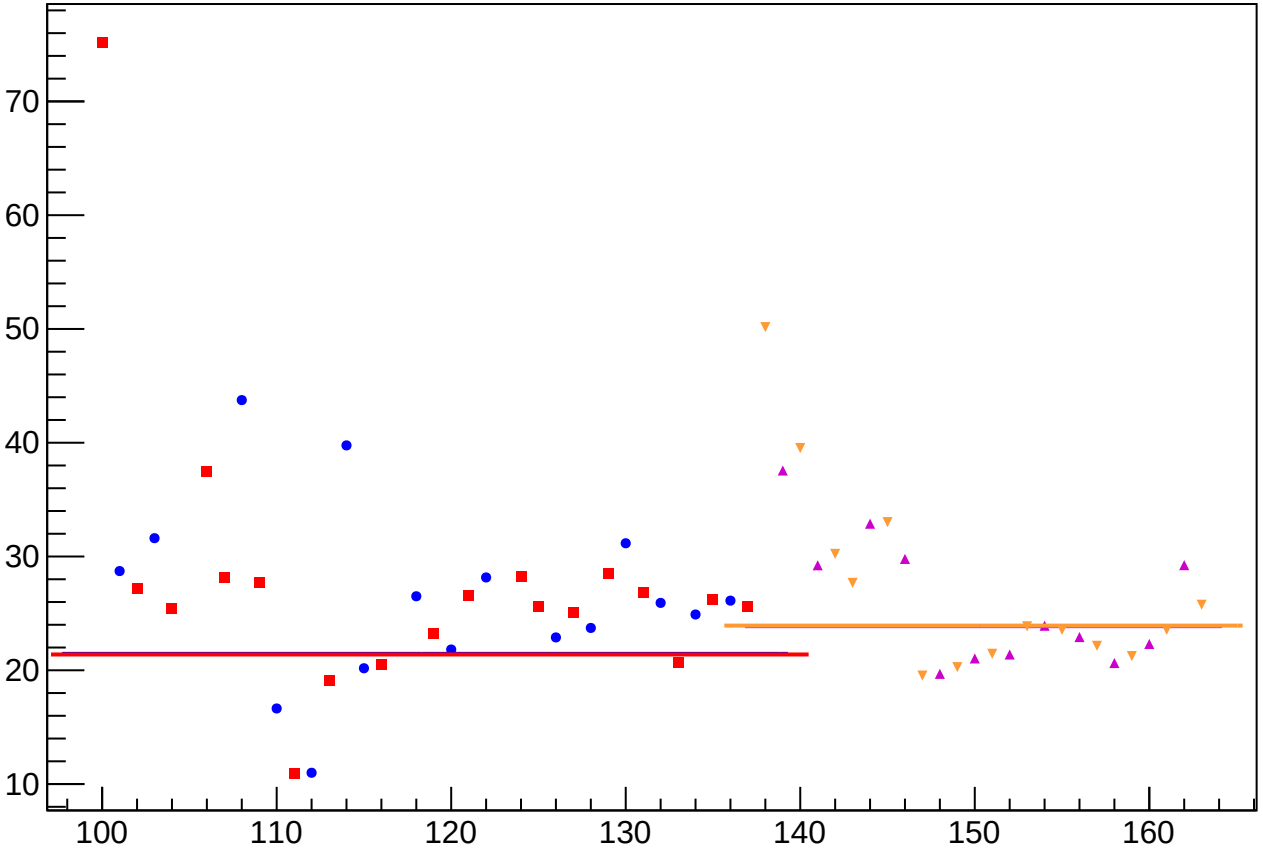
Left In: -0.001+/-0.008 χ^2/NDF:12.2/11

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.002+/-0.004 χ^2/NDF: 75.8/60

- sign -0.000+/-0.006 χ^2/NDF: 35.0/30

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

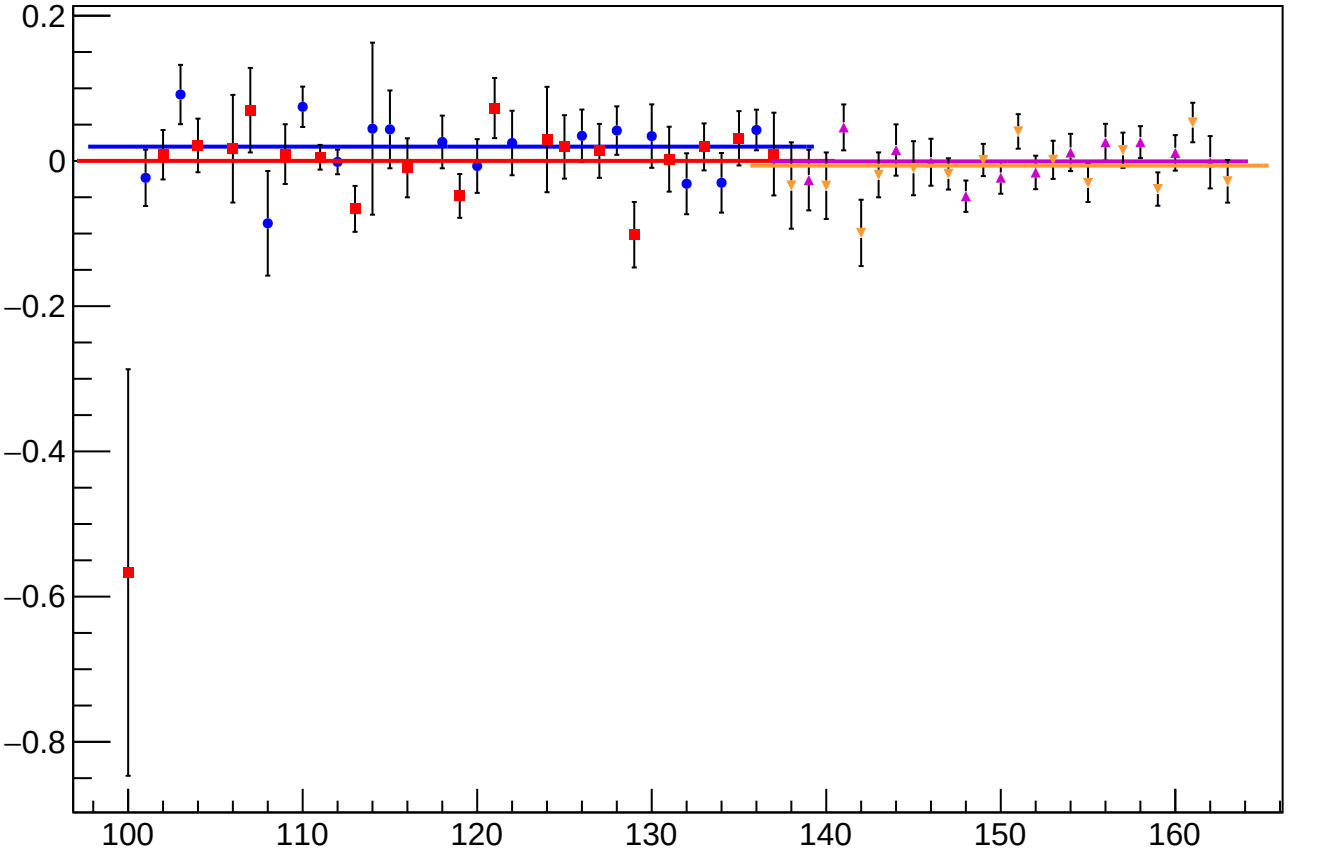
Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.879+/-0.005 χ^2/NDF:698598.2/11

+ sign 22.872+/-0.004 χ^2/NDF: 2648324.8/29

All: 22.817+/-0.003 χ^2/NDF: 4753660.9/60

- sign 22.762+/-0.004 χ^2/NDF: 2104955.4/30



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

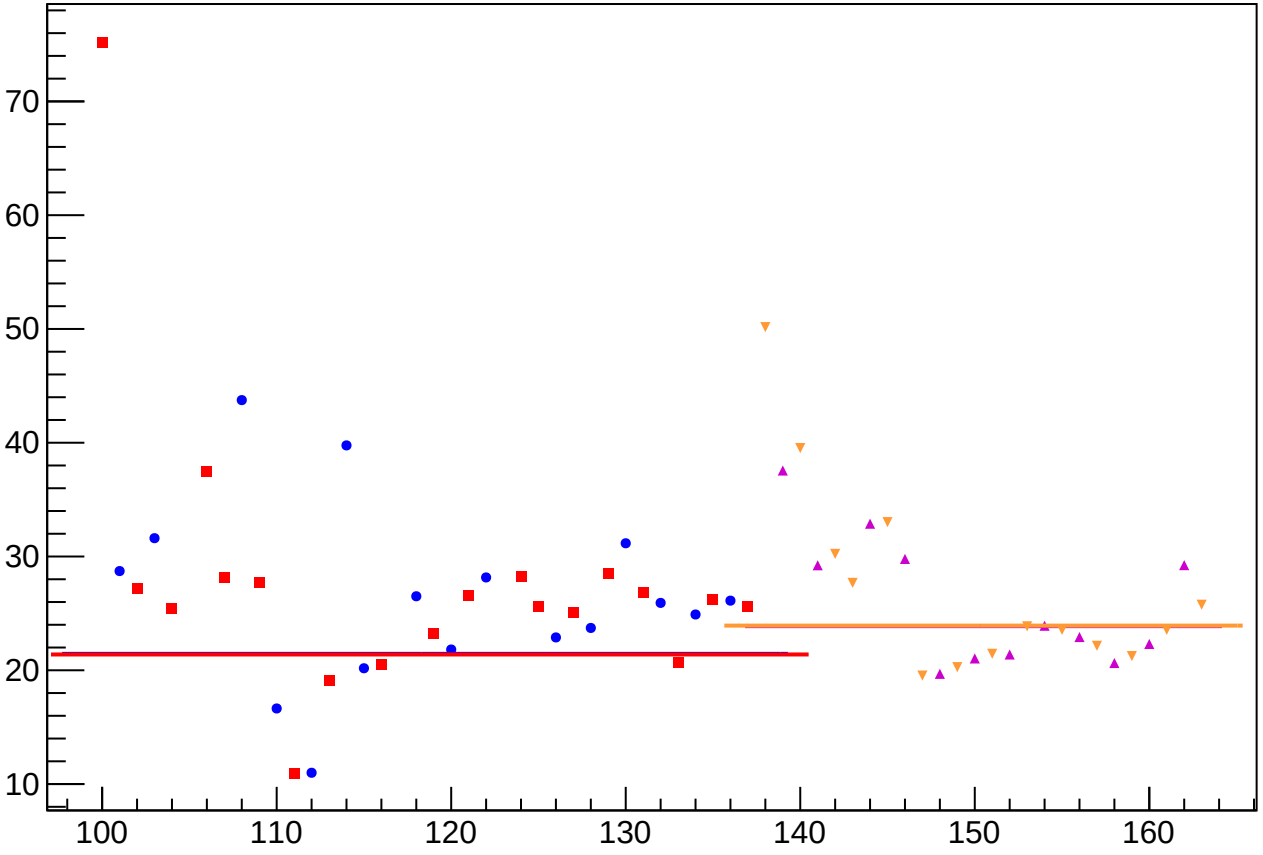
Left In: -0.001+/-0.008 χ^2/NDF:12.2/11

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.002+/-0.004 χ^2/NDF: 75.8/60

- sign -0.000+/-0.006 χ^2/NDF: 35.0/30

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

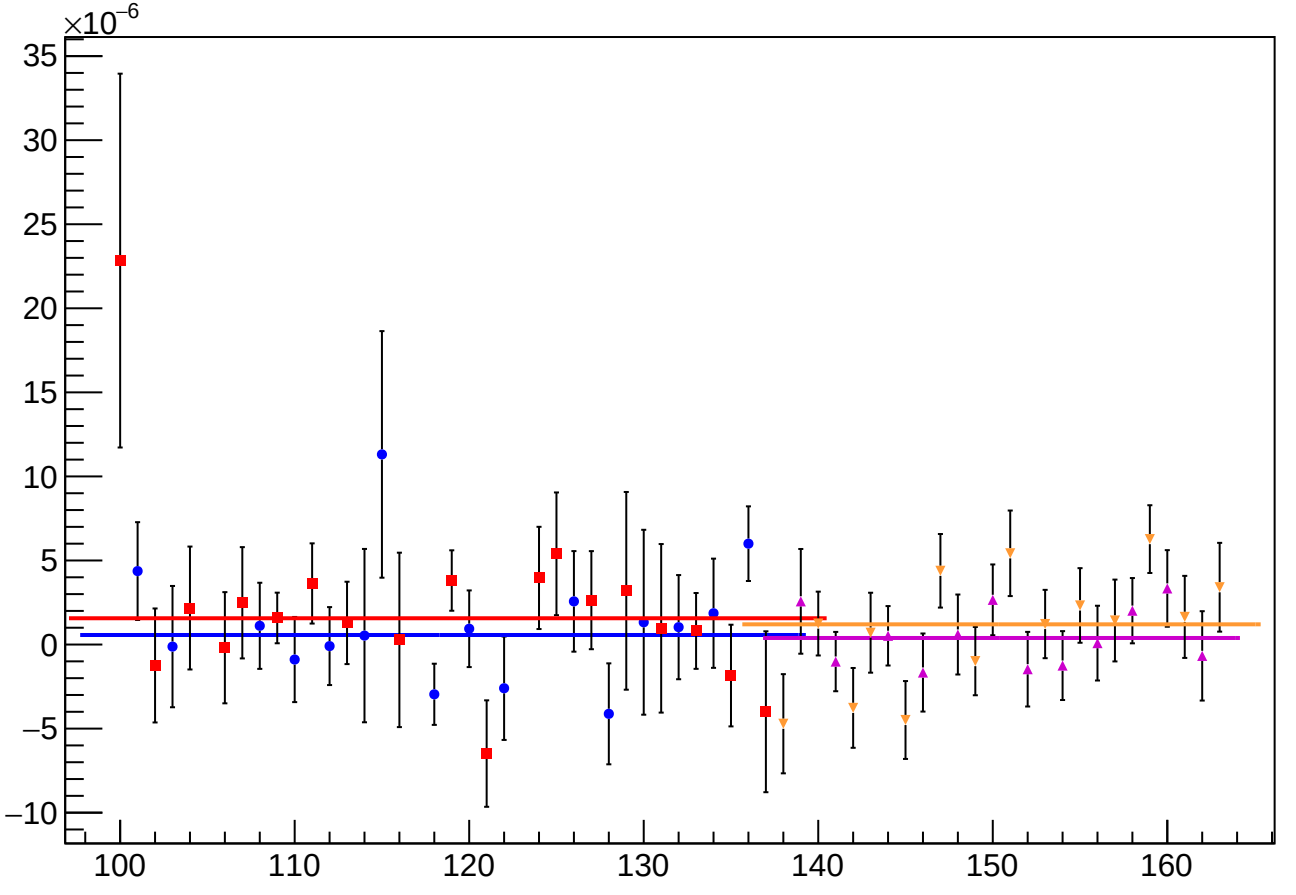
Left In: 23.879+/-0.005 χ^2/NDF:698598.2/11

\+ sign 22.872+/-0.004 χ^2/NDF: 2648324.8/29

All: 22.817+/-0.003 χ^2/NDF: 4753660.9/60

\- sign 22.762+/-0.004 χ^2/NDF: 2104955.4/30

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:27.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

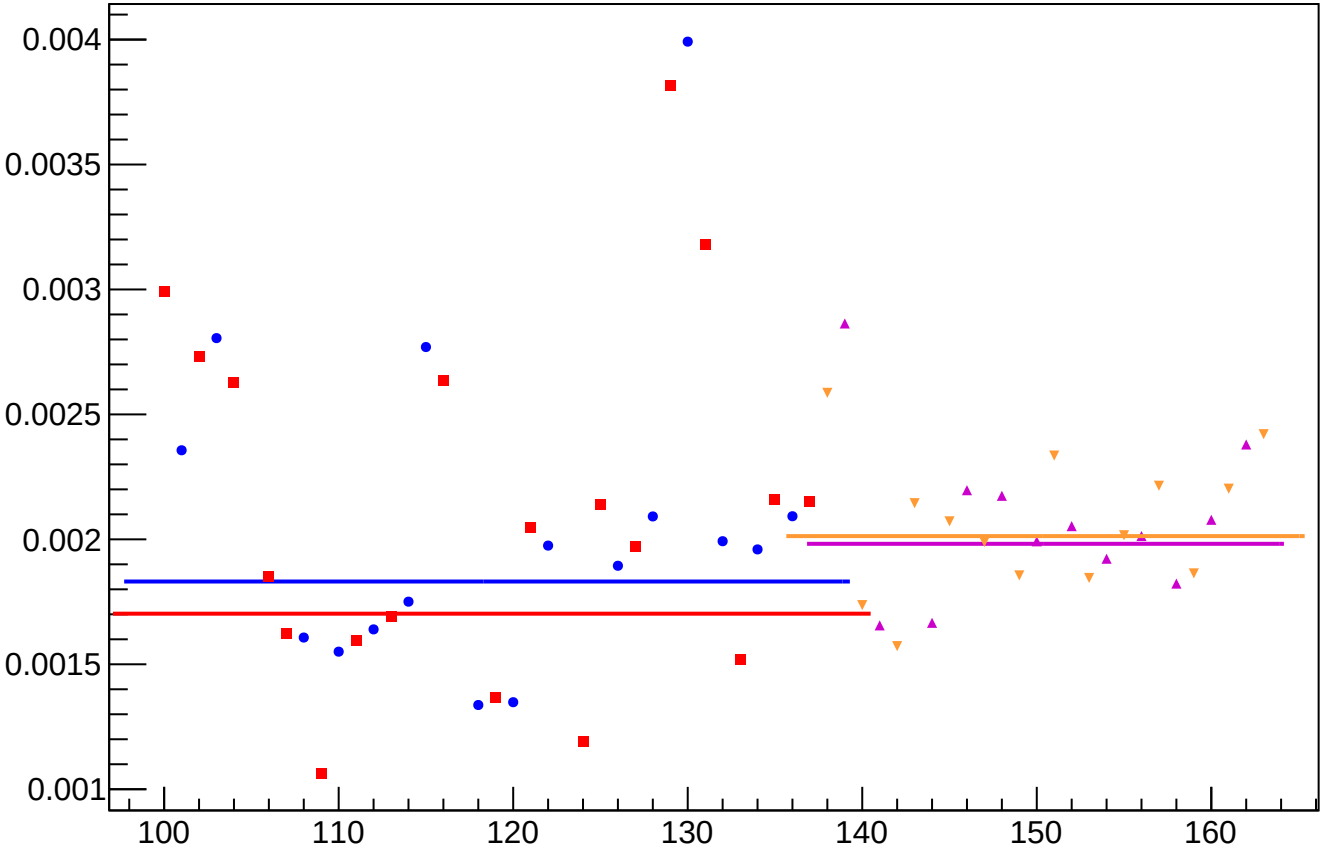
Left In: 0.000+/-0.000 χ^2/NDF:7.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/29

All: 0.000+/-0.000 χ^2/NDF: 73.5/60

- sign 0.000+/-0.000 χ^2/NDF: 26.9/30

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336551.6/13

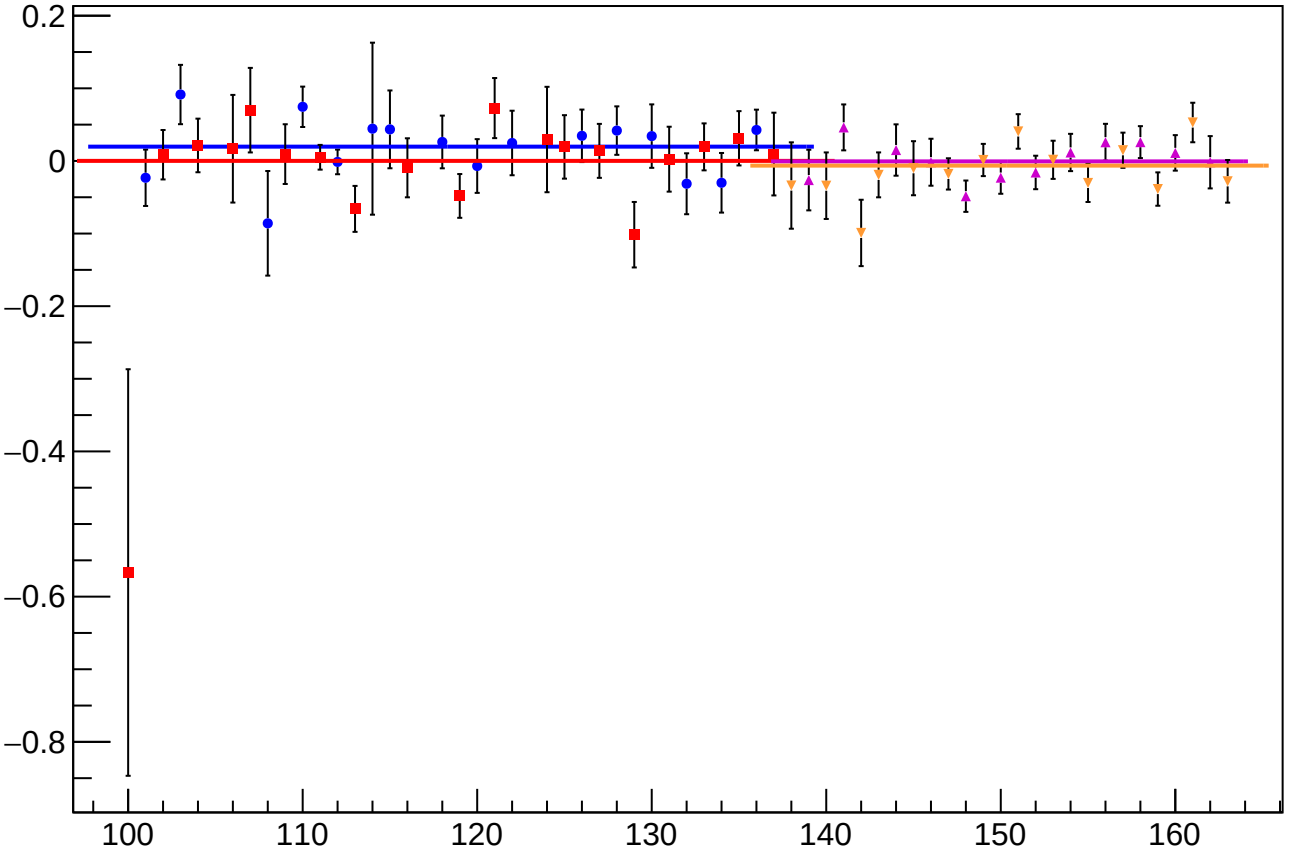
Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:388854.1/11

+ sign 0.002+/-0.000 χ^2/NDF: 1313008.4/29

All: 0.002+/-0.000 χ^2/NDF: 3405054.7/60

- sign 0.002+/-0.000 χ^2/NDF: 2056933.1/30



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

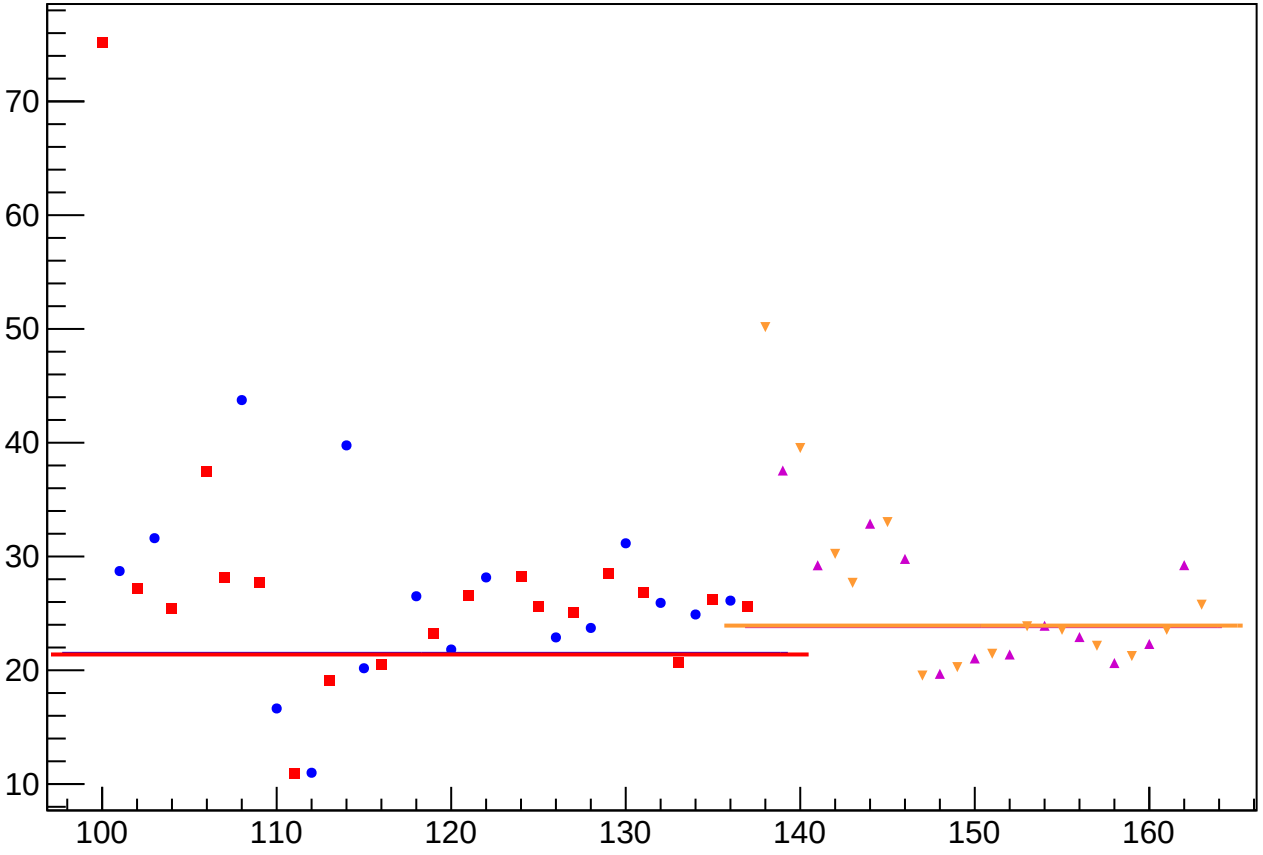
Left In: -0.001+/-0.008 χ^2/NDF:12.2/11

+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.002+/-0.004 χ^2/NDF: 75.8/60

- sign -0.000+/-0.006 χ^2/NDF: 35.0/30

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.927+/-0.005 χ^2/NDF:1013548.9/13

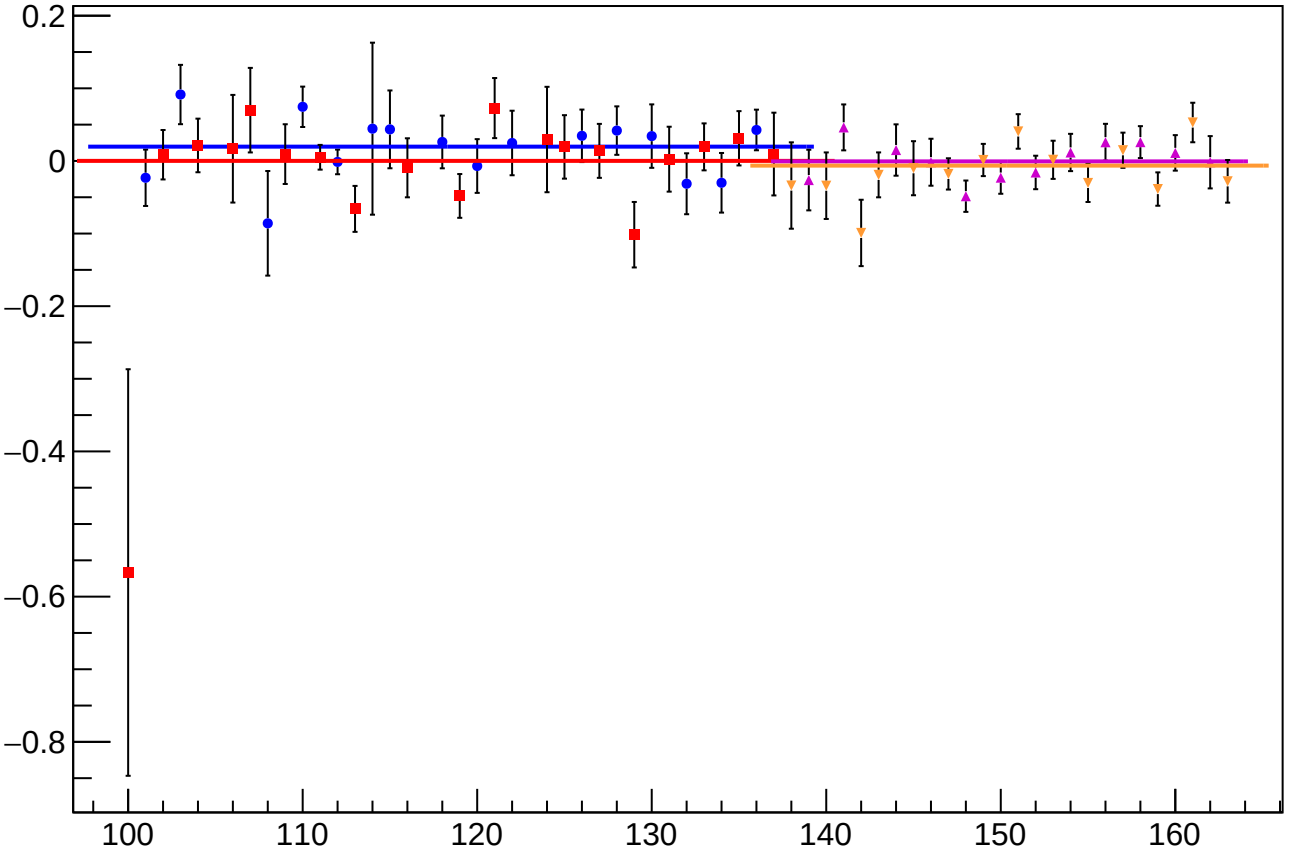
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.879+/-0.005 χ^2/NDF:698600.0/11

\+ sign 22.872+/-0.004 χ^2/NDF: 2648533.1/29

All: 22.817+/-0.003 χ^2/NDF: 4754052.9/60

\- sign 22.761+/-0.004 χ^2/NDF: 2105139.0/30



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

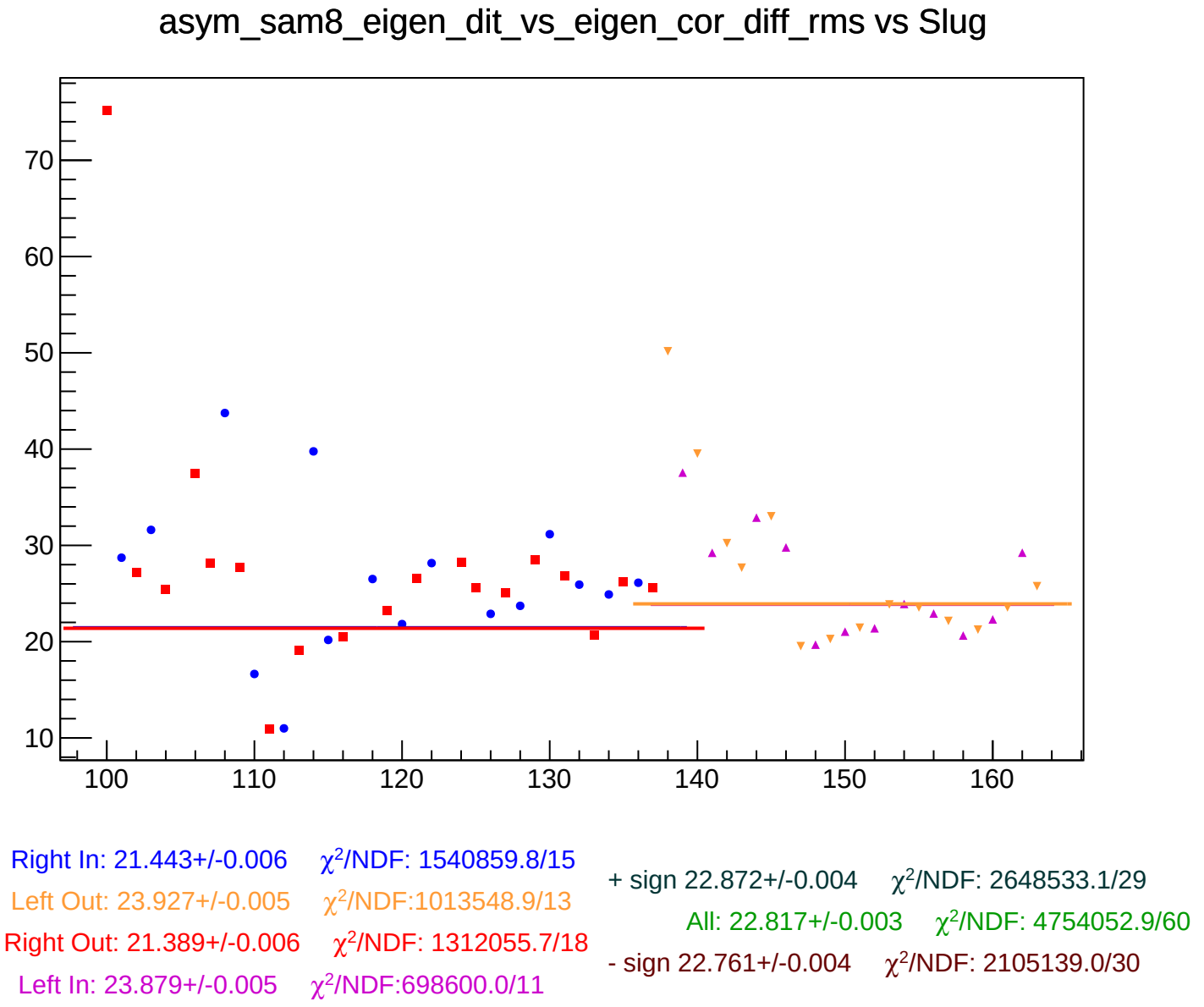
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.001+/-0.008 χ^2/NDF:12.2/11

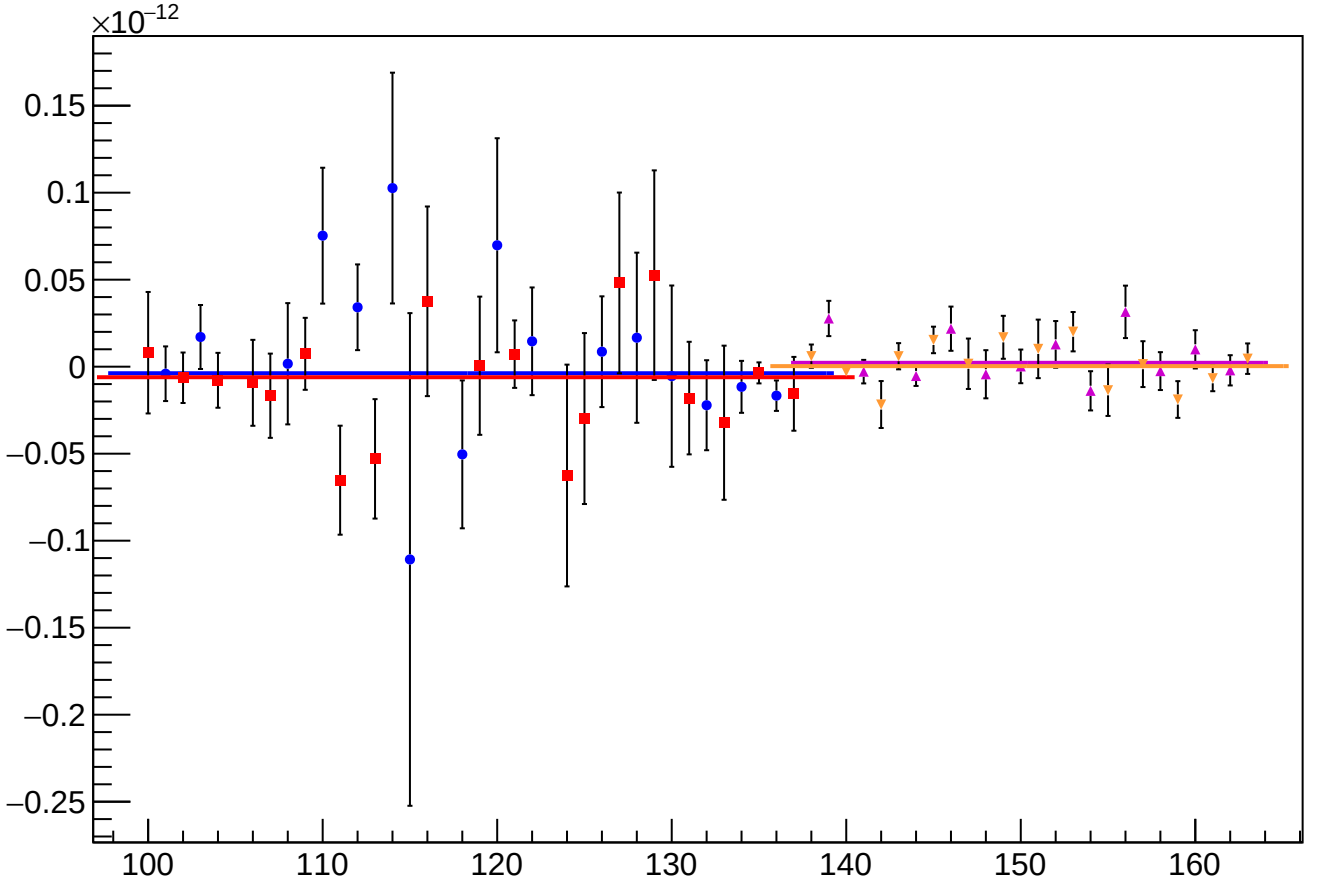
+ sign 0.005+/-0.006 χ^2/NDF: 40.4/29

All: 0.002+/-0.004 χ^2/NDF: 75.8/60

- sign -0.000+/-0.006 χ^2/NDF: 35.0/30


asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 23.927+/-0.005 χ²/NDF:1013548.9/13
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 23.879+/-0.005 χ²/NDF:698600.0/11
+ sign 22.872+/-0.004 χ²/NDF: 2648533.1/29
All: 22.817+/-0.003 χ²/NDF: 4754052.9/60
- sign 22.761+/-0.004 χ²/NDF: 2105139.0/30

asym_sam8_eigen_cor_vs_cor_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:19.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

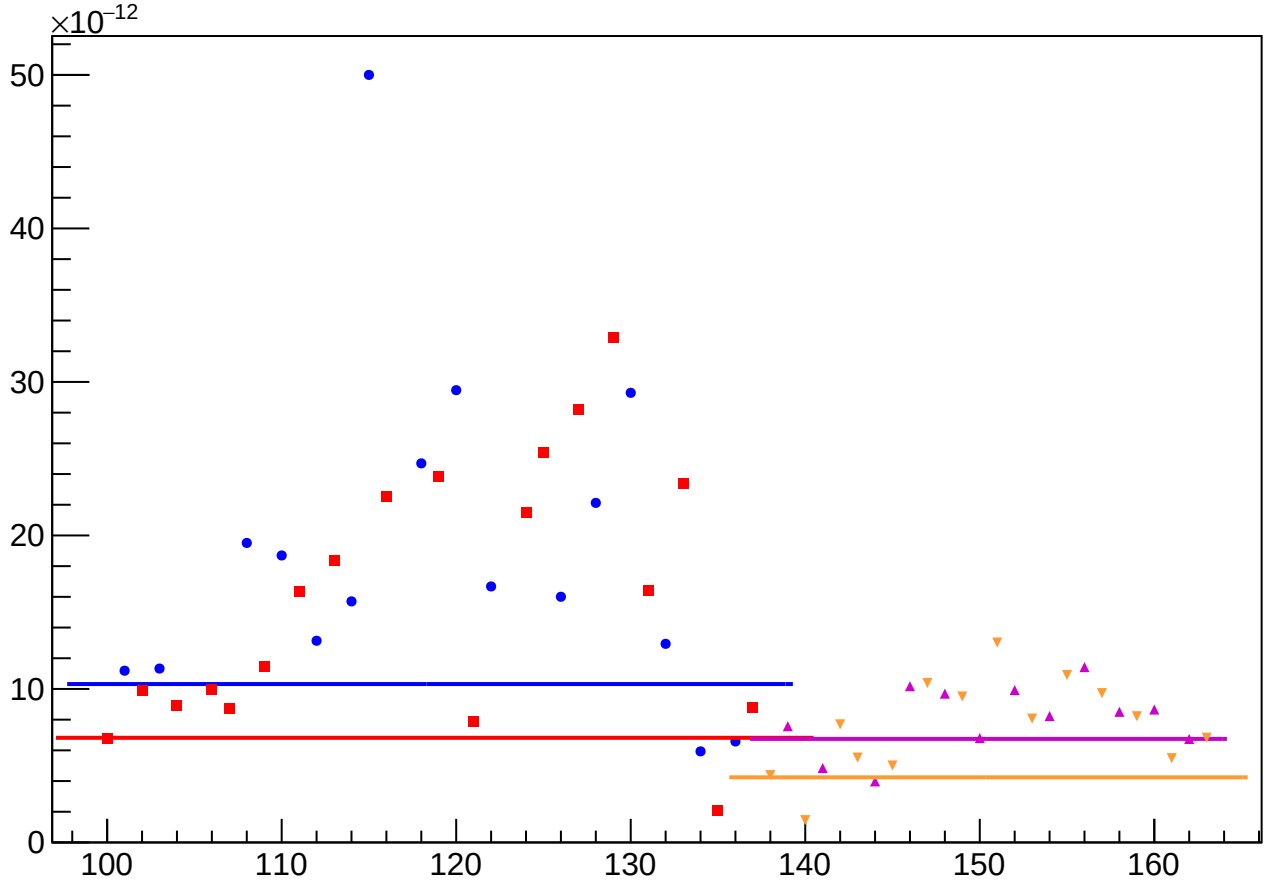
Left In: 0.000+/-0.000 χ^2/NDF:18.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/29

All: -0.000+/-0.000 χ^2/NDF: 69.8/60

- sign -0.000+/-0.000 χ^2/NDF: 32.6/30

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4853882.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

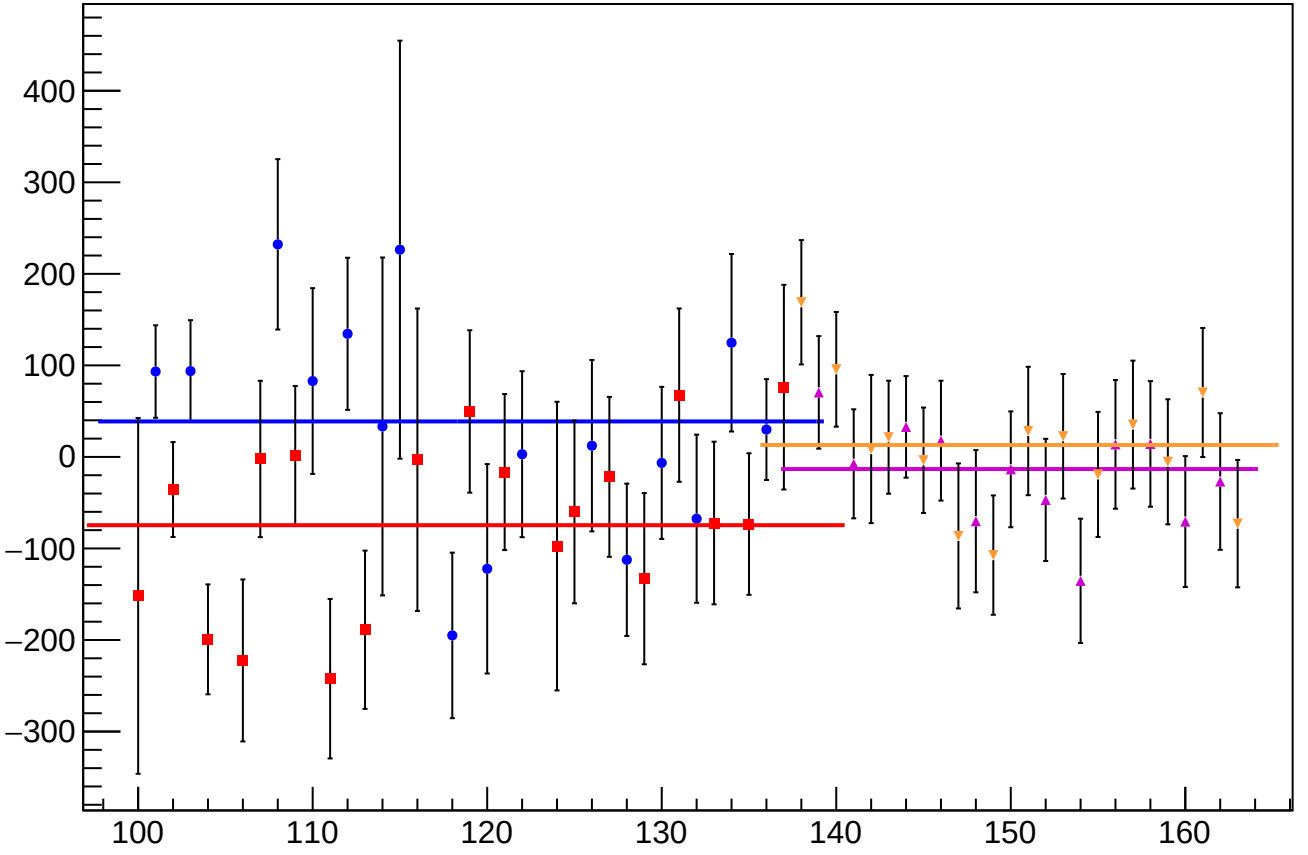
Left In: 0.000+/-0.000 χ^2/NDF:1329021.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 8969742.6/29

All: 0.000+/-0.000 χ^2/NDF: 15076447.2/60

- sign 0.000+/-0.000 χ^2/NDF: 5351227.0/30

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.030+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

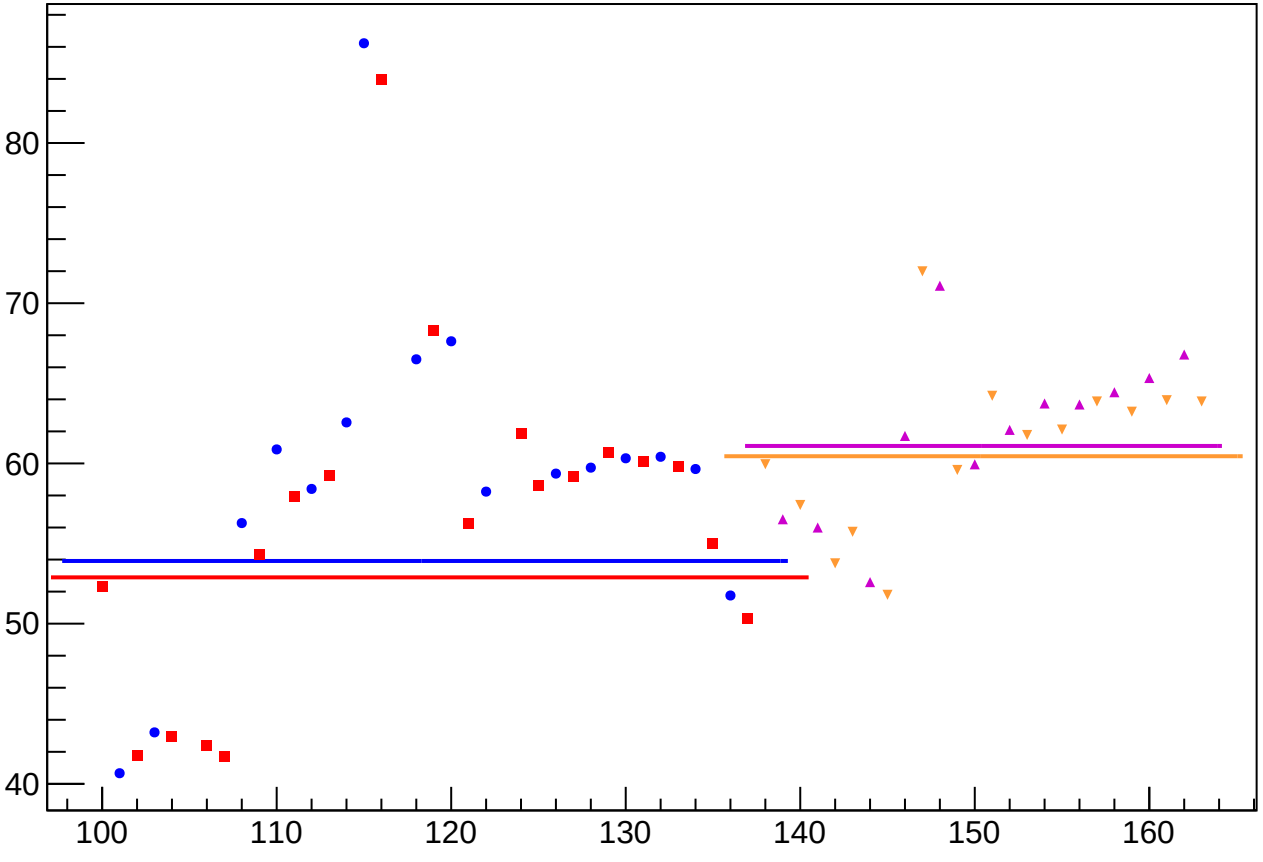
Left In: -13.243+/-19.064 χ^2/NDF:7.8/11

+ sign 24.384+/-13.554 χ^2/NDF: 38.9/29

All: -8.740+/-9.647 χ^2/NDF: 86.3/60

- sign -42.746+/-13.734 χ^2/NDF: 35.2/30

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

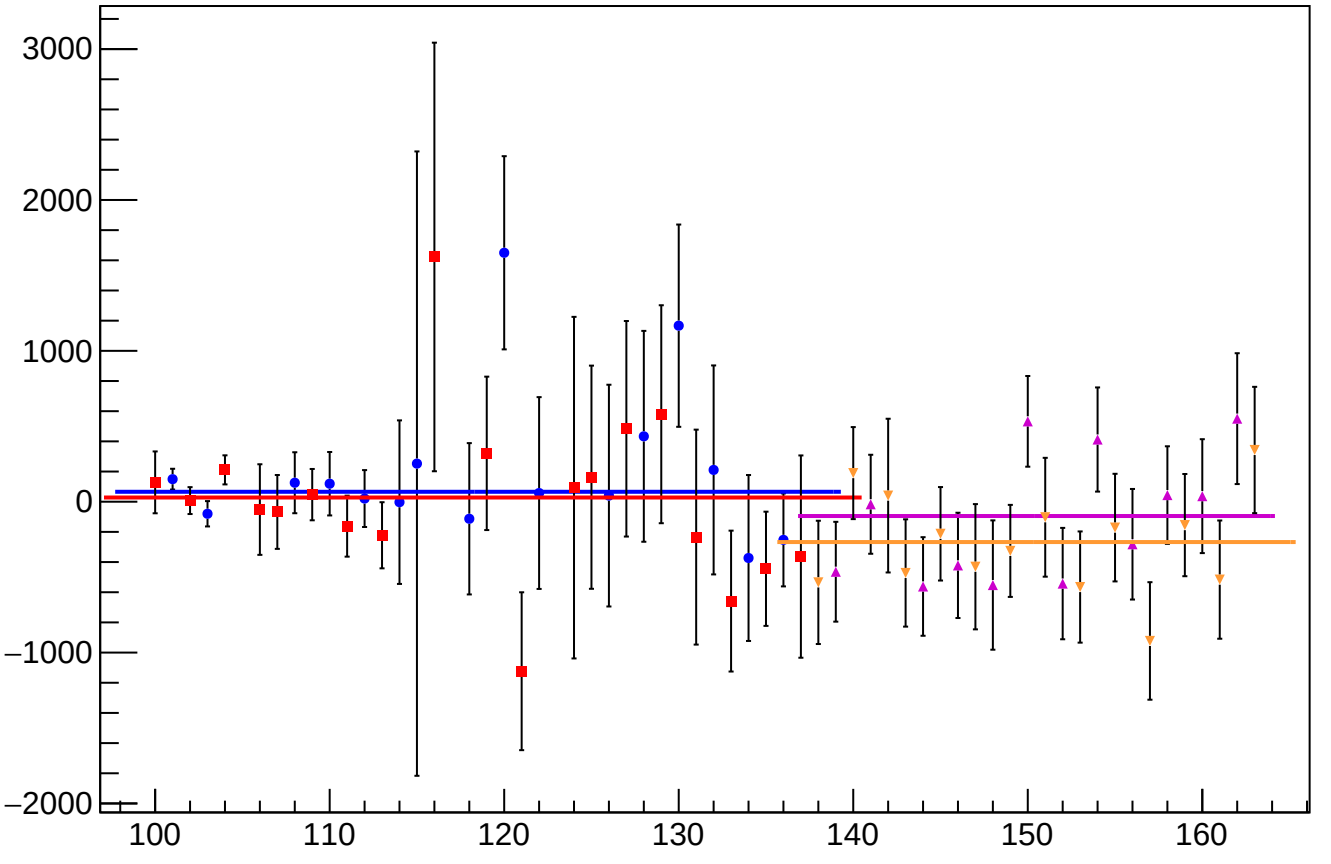
Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

+ sign 57.567+/-0.010 χ^2/NDF: 651589.0/29

All: 57.359+/-0.007 χ^2/NDF: 1392180.0/60

- sign 57.146+/-0.010 χ^2/NDF: 739636.4/30



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -267.362+/-97.742 χ^2/NDF:10.0/13

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

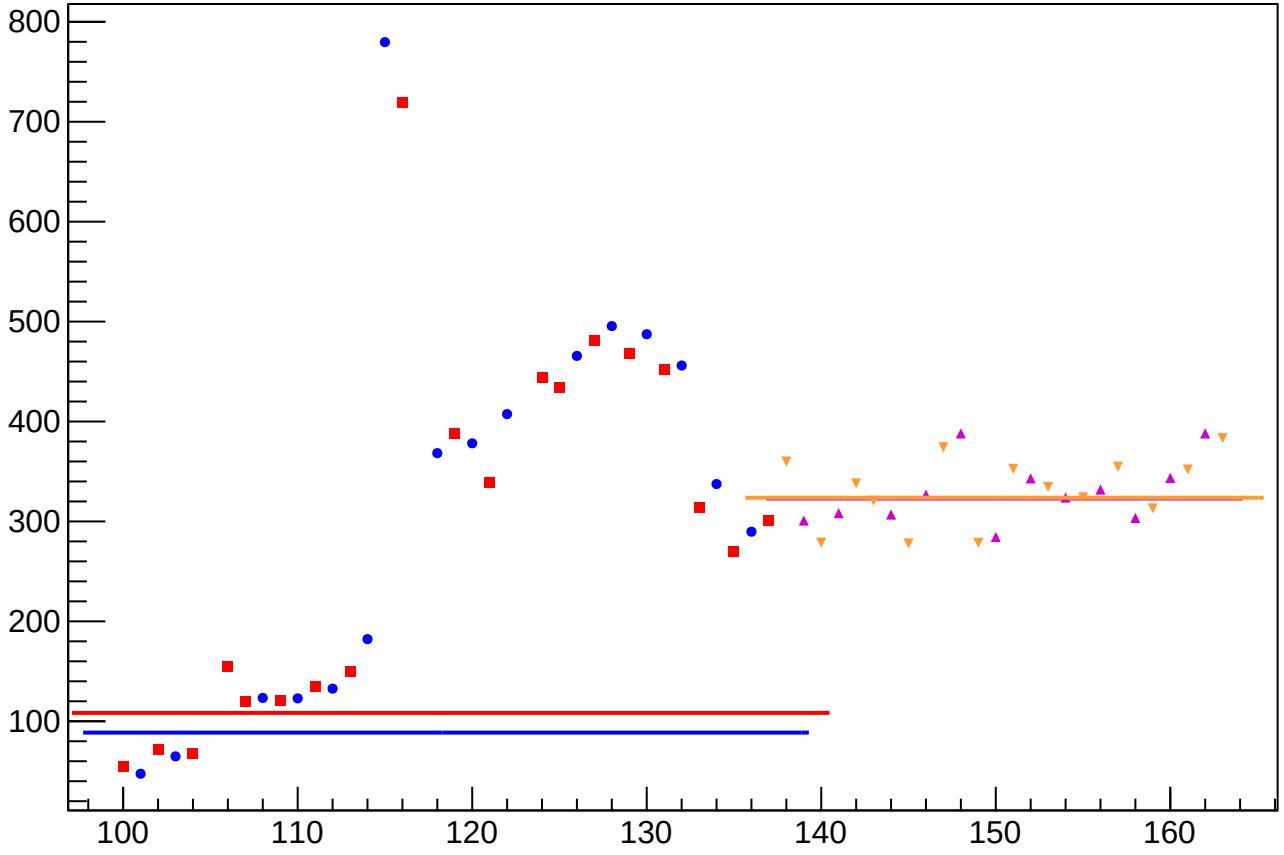
Left In: -94.834+/-101.224 χ^2/NDF:16.1/11

+ sign 4.401+/-41.974 χ^2/NDF: 35.1/29

All: 4.011+/-30.707 χ^2/NDF: 70.5/60

- sign 3.562+/-45.039 χ^2/NDF: 35.3/30

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 323.721+/-0.069 χ^2/NDF:255820.6/13

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

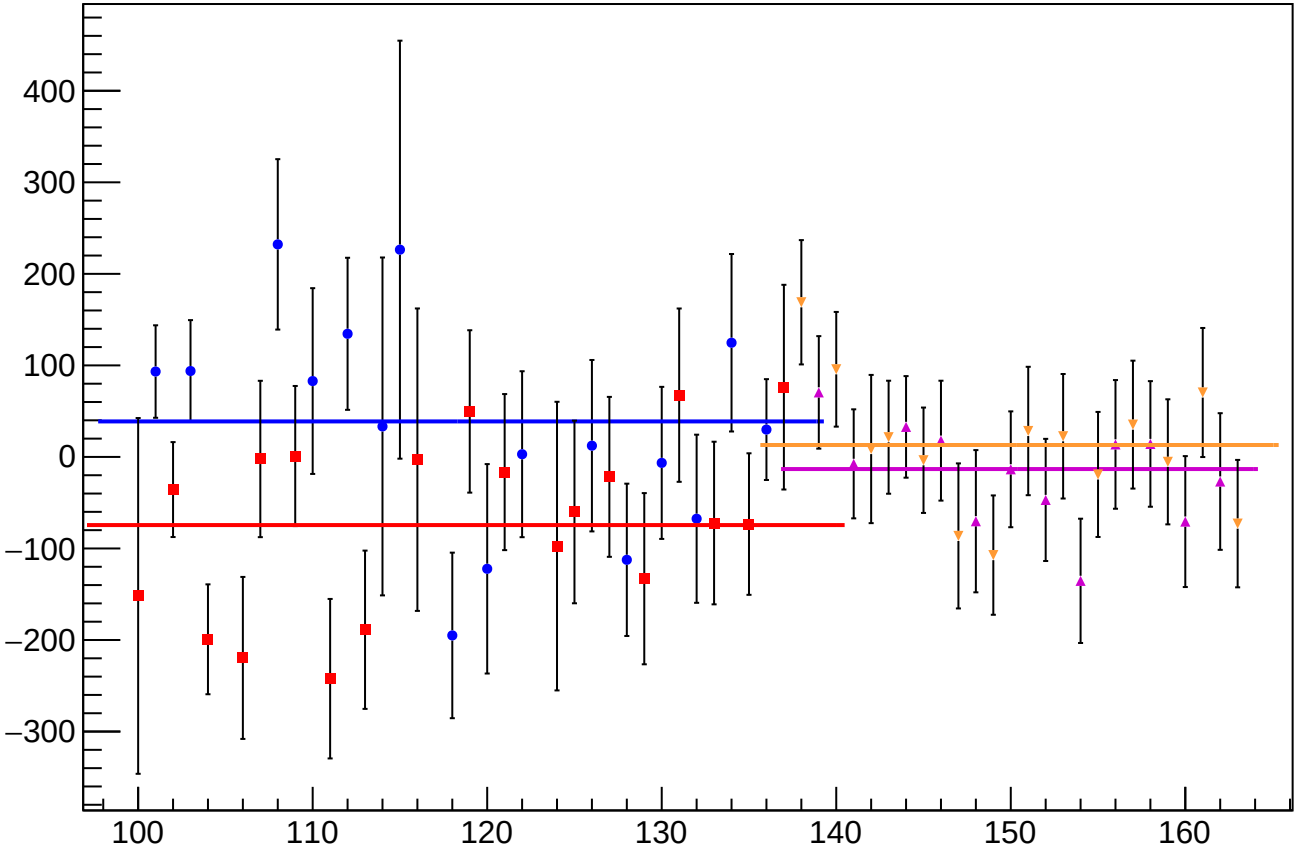
Left In: 322.932+/-0.072 χ^2/NDF:162485.4/11

+ sign 132.008+/-0.030 χ^2/NDF: 16338129.1/29

All: 140.771+/-0.022 χ^2/NDF: 29257039.5/60

- sign 150.860+/-0.032 χ^2/NDF: 12731389.8/30

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

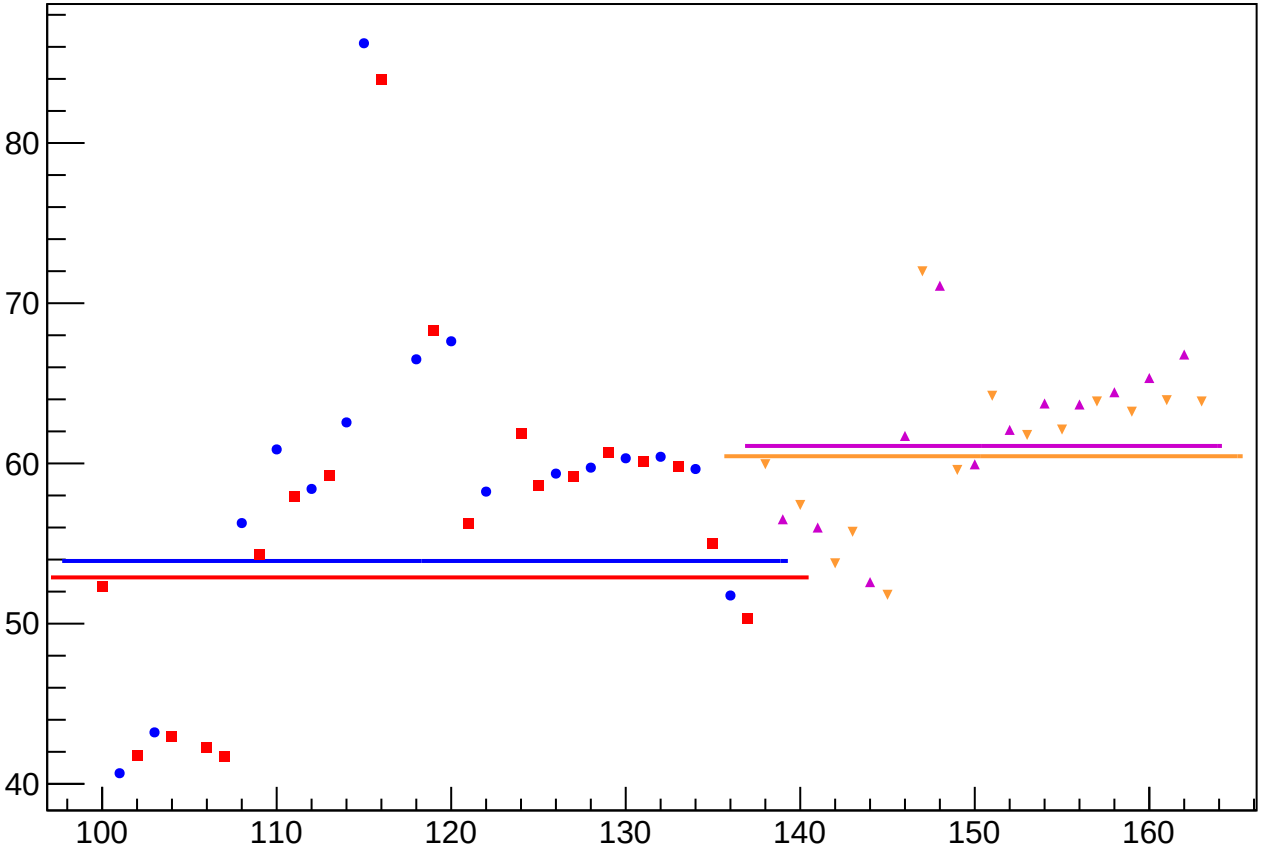
Left In: -13.242+/-19.064 χ^2/NDF:7.8/11

+ sign 24.389+/-13.554 χ^2/NDF: 38.9/29

All: -8.702+/-9.647 χ^2/NDF: 86.1/60

- sign -42.678+/-13.734 χ^2/NDF: 35.1/30

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

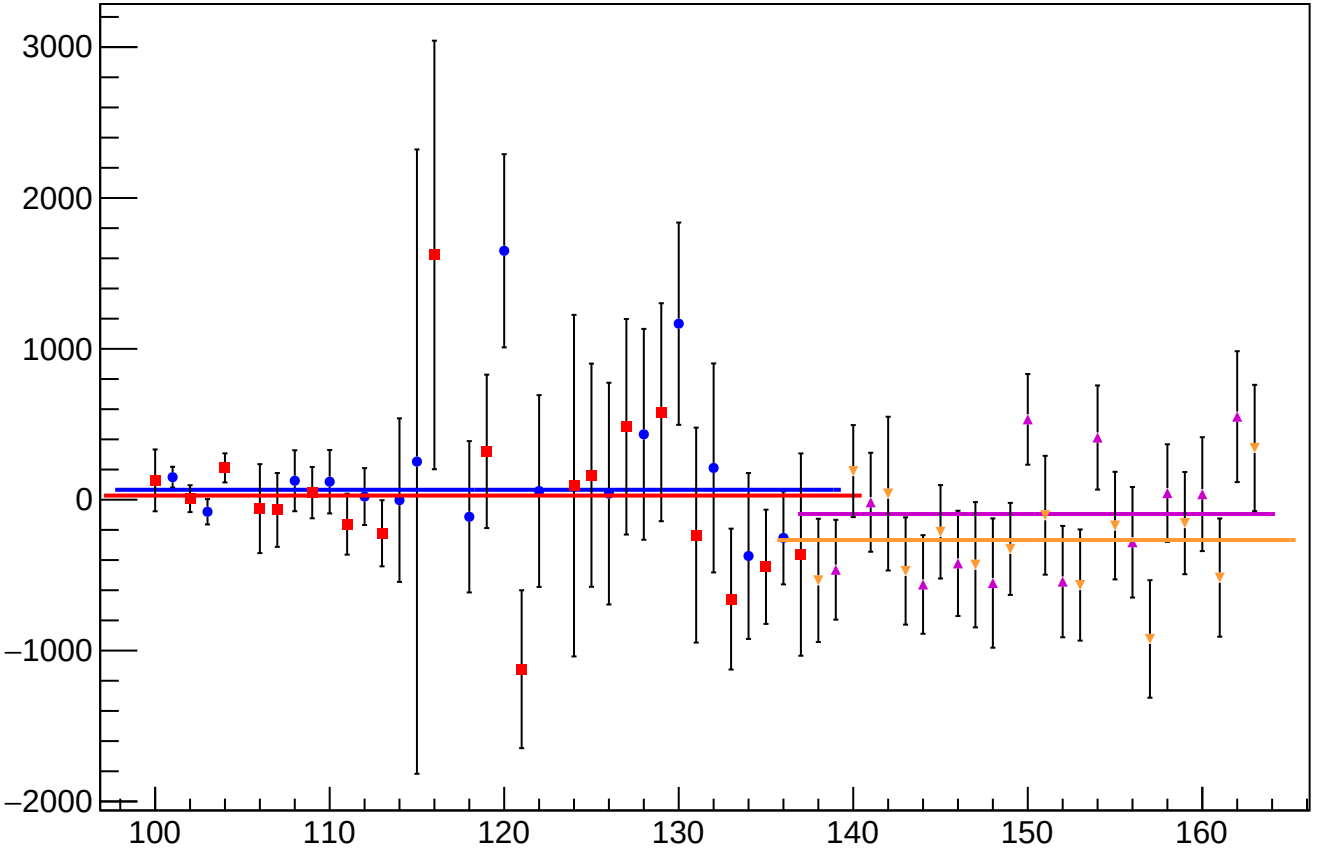
Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

+ sign 57.567+/-0.010 χ^2/NDF: 651588.1/29

All: 57.359+/-0.007 χ^2/NDF: 1392574.6/60

- sign 57.145+/-0.010 χ^2/NDF: 740028.4/30

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

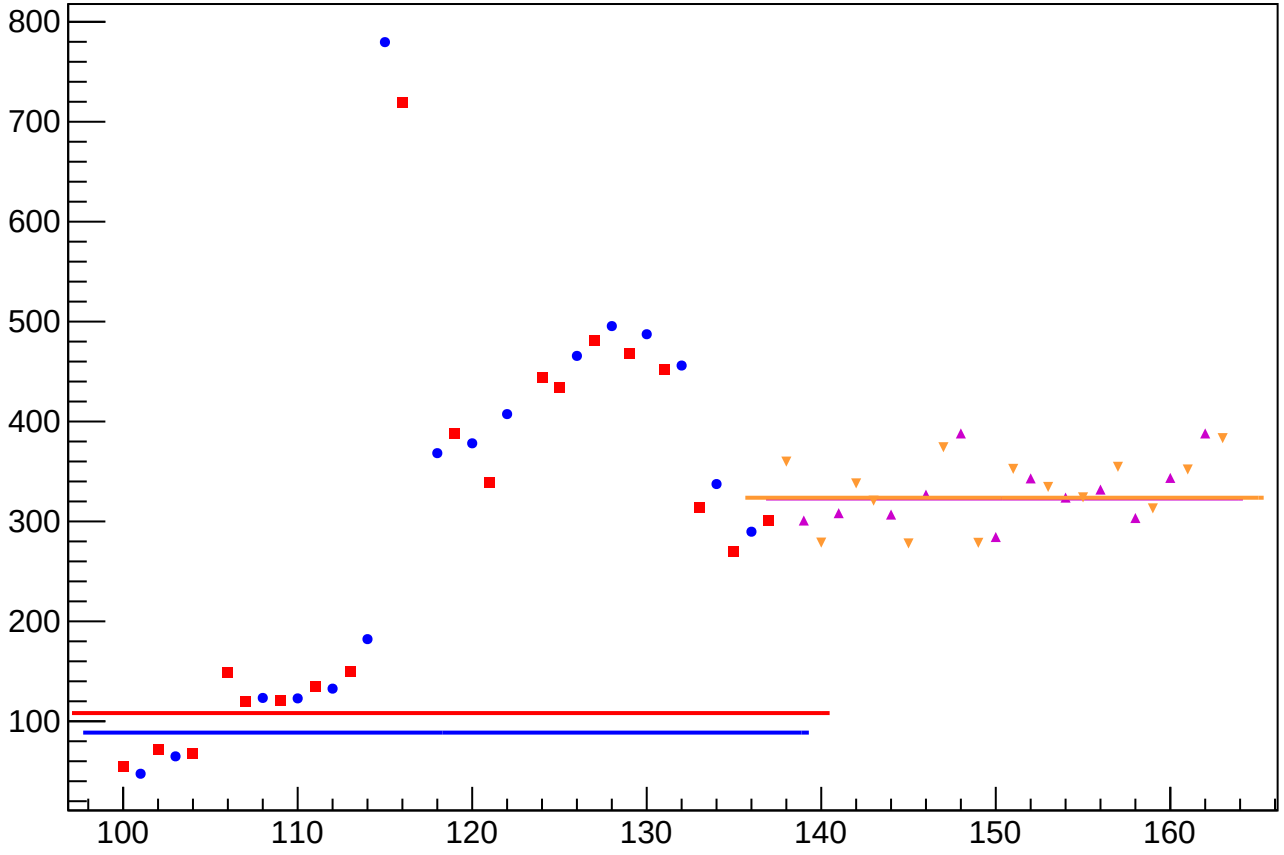
Left In: -94.832+/-101.223 χ^2/NDF:16.1/11

\+ sign 4.407+/-41.974 χ^2/NDF: 35.1/29

All: 3.863+/-30.697 χ^2/NDF: 70.5/60

\- sign 3.239+/-45.008 χ^2/NDF: 35.3/30

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

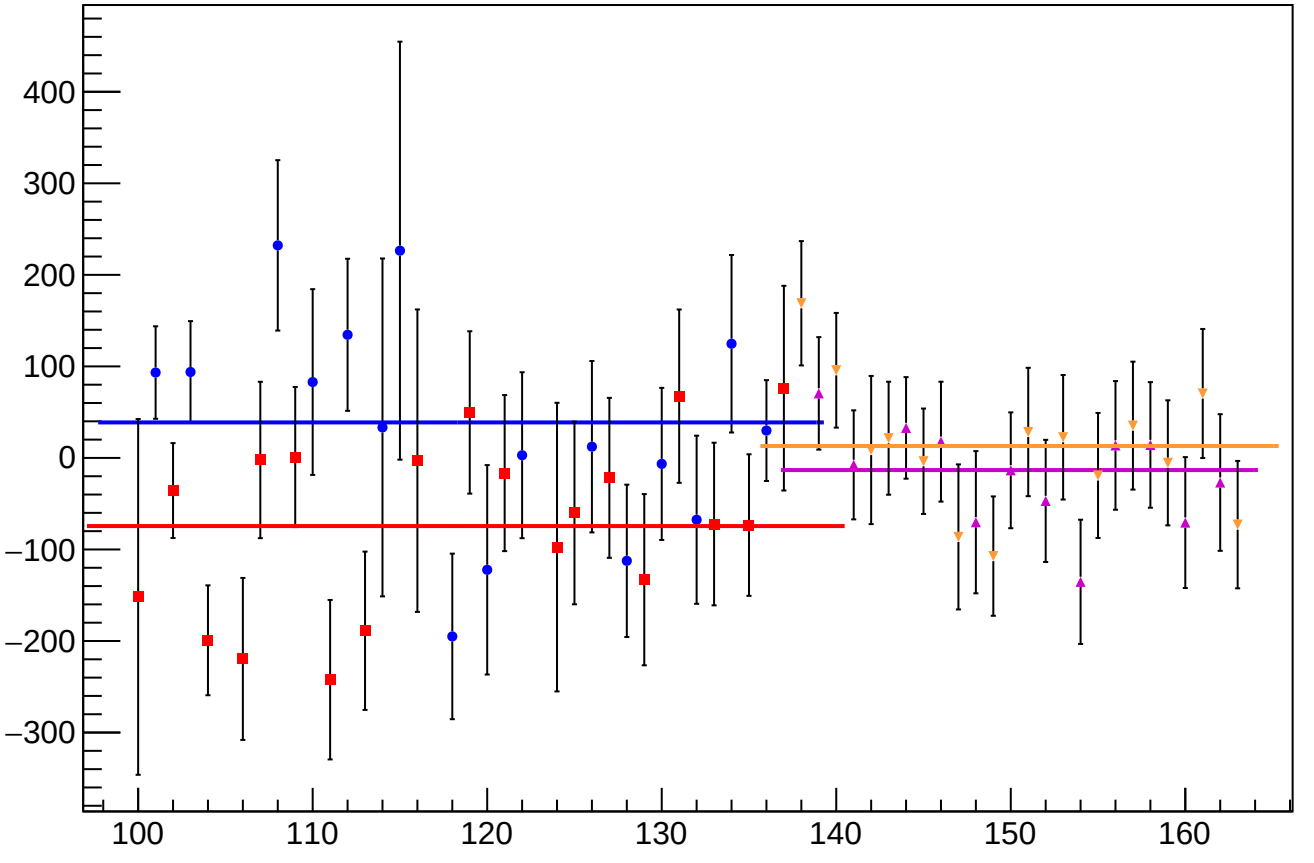
Left In: 322.932+/-0.072 χ^2/NDF:162488.1/11

+ sign 132.005+/-0.030 χ^2/NDF: 16338491.8/29

All: 140.682+/-0.022 χ^2/NDF: 29260077.9/60

- sign 150.659+/-0.032 χ^2/NDF: 12737838.4/30

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

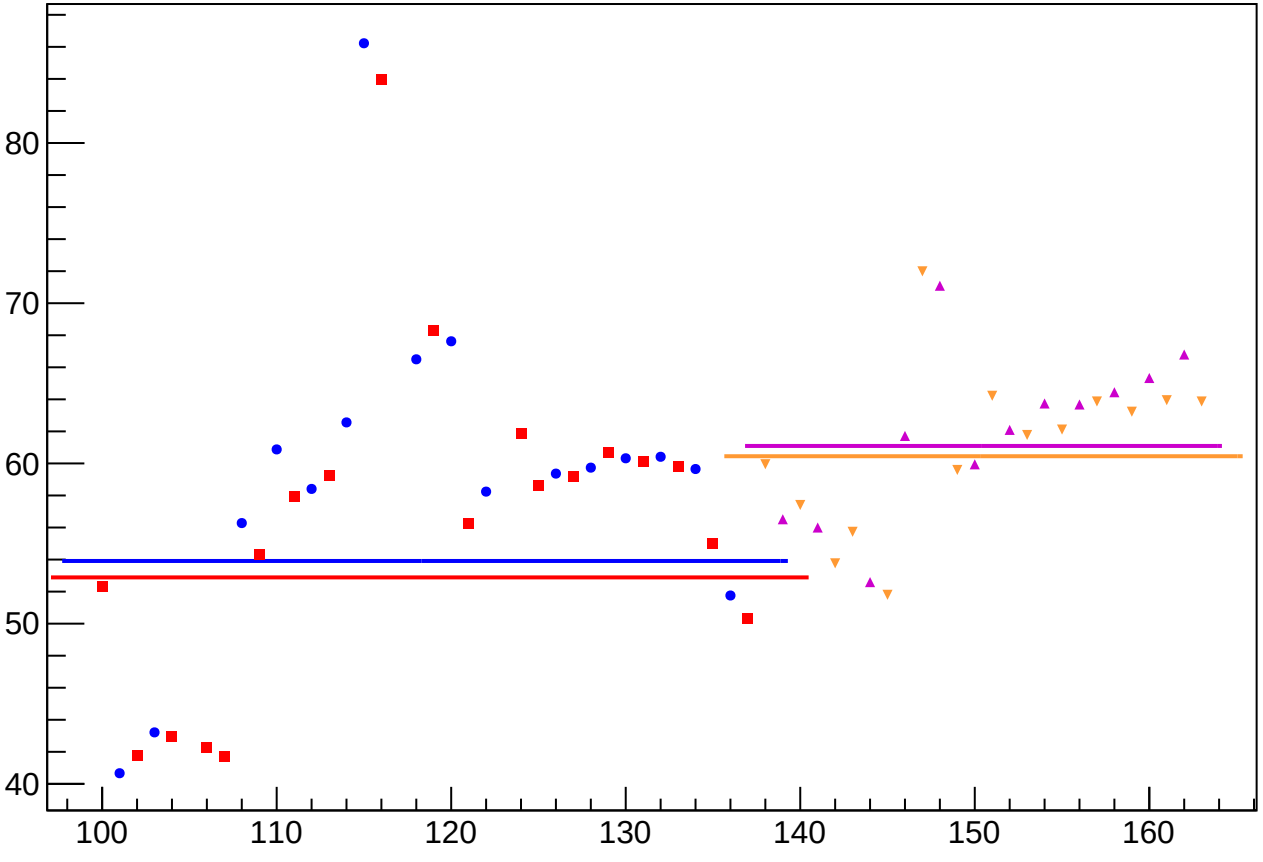
Left In: -13.242+/-19.064 χ^2/NDF:7.8/11

+ sign 24.389+/-13.554 χ^2/NDF: 38.9/29

All: -8.702+/-9.647 χ^2/NDF: 86.1/60

- sign -42.678+/-13.734 χ^2/NDF: 35.1/30

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

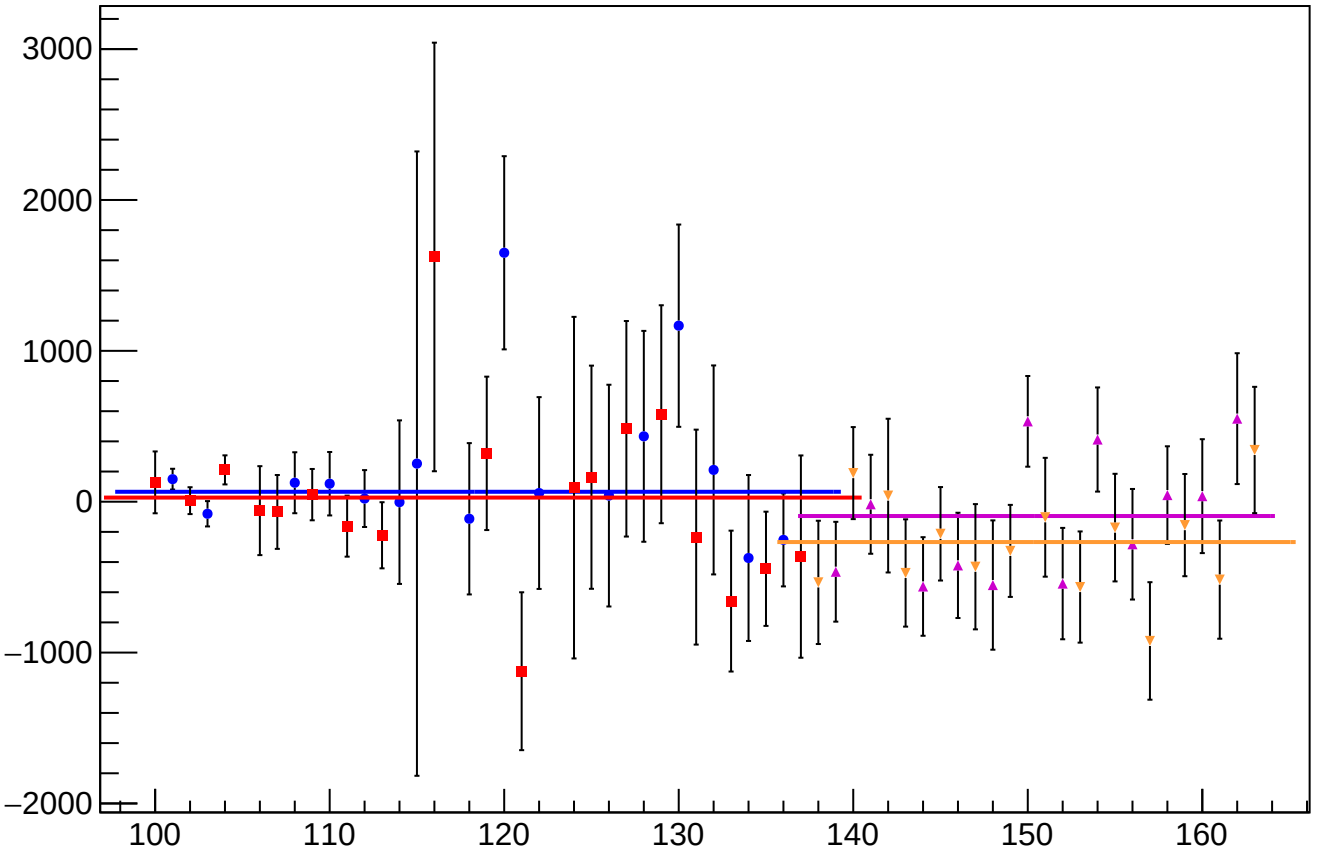
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

+ sign 57.567+/-0.010 χ^2/NDF: 651588.1/29

All: 57.359+/-0.007 χ^2/NDF: 1392574.6/60

- sign 57.145+/-0.010 χ^2/NDF: 740028.4/30



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -267.361+/-97.742 χ^2/NDF:10.0/13

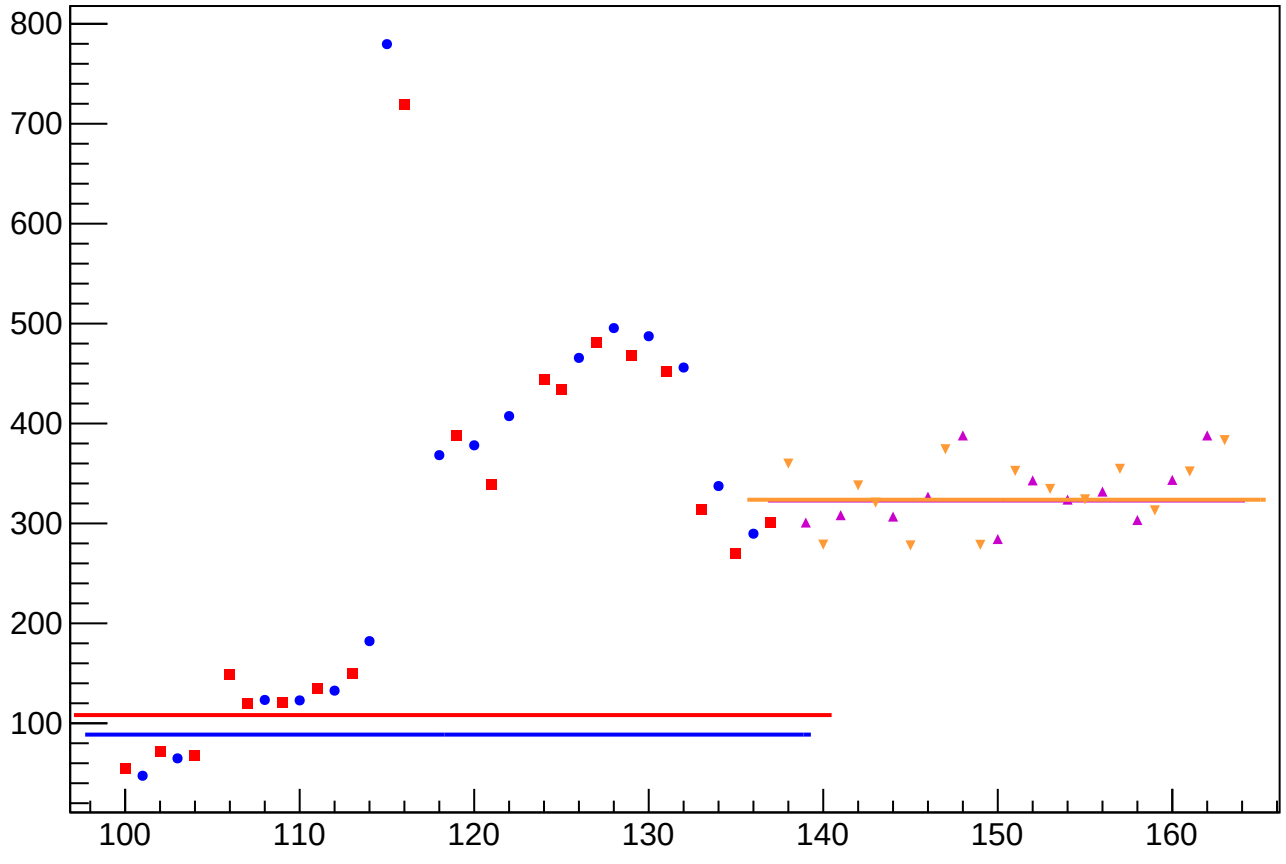
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -94.832+/-101.223 χ^2/NDF:16.1/11

+ sign 4.407+/-41.974 χ^2/NDF: 35.1/29

All: 3.863+/-30.697 χ^2/NDF: 70.5/60

- sign 3.239+/-45.008 χ^2/NDF: 35.3/30



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

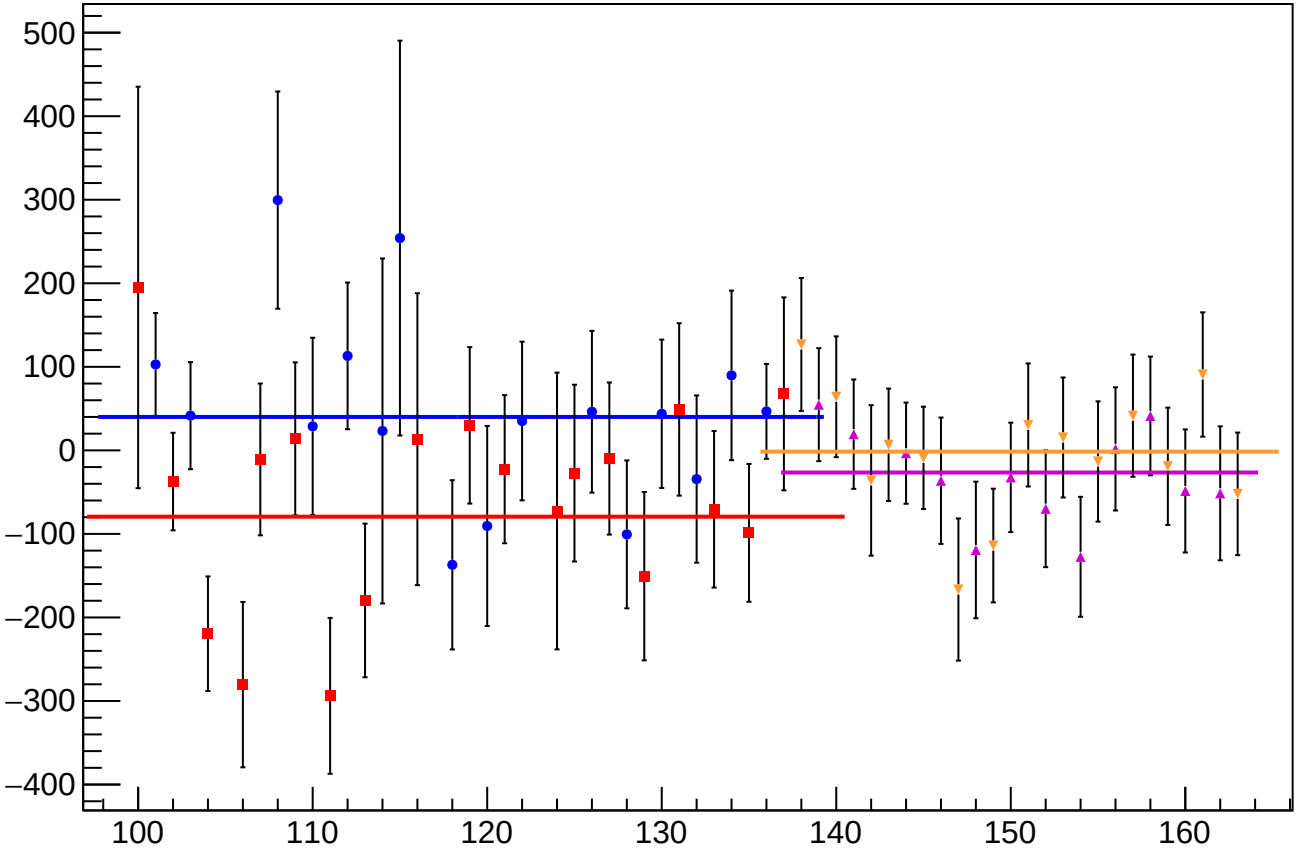
Left In: 322.932+/-0.072 χ^2/NDF:162488.1/11

+ sign 132.005+/-0.030 χ^2/NDF: 16338491.8/29

All: 140.682+/-0.022 χ^2/NDF: 29260077.9/60

- sign 150.659+/-0.032 χ^2/NDF: 12737838.4/30

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.524+/-19.458 χ^2/NDF:12.8/13

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

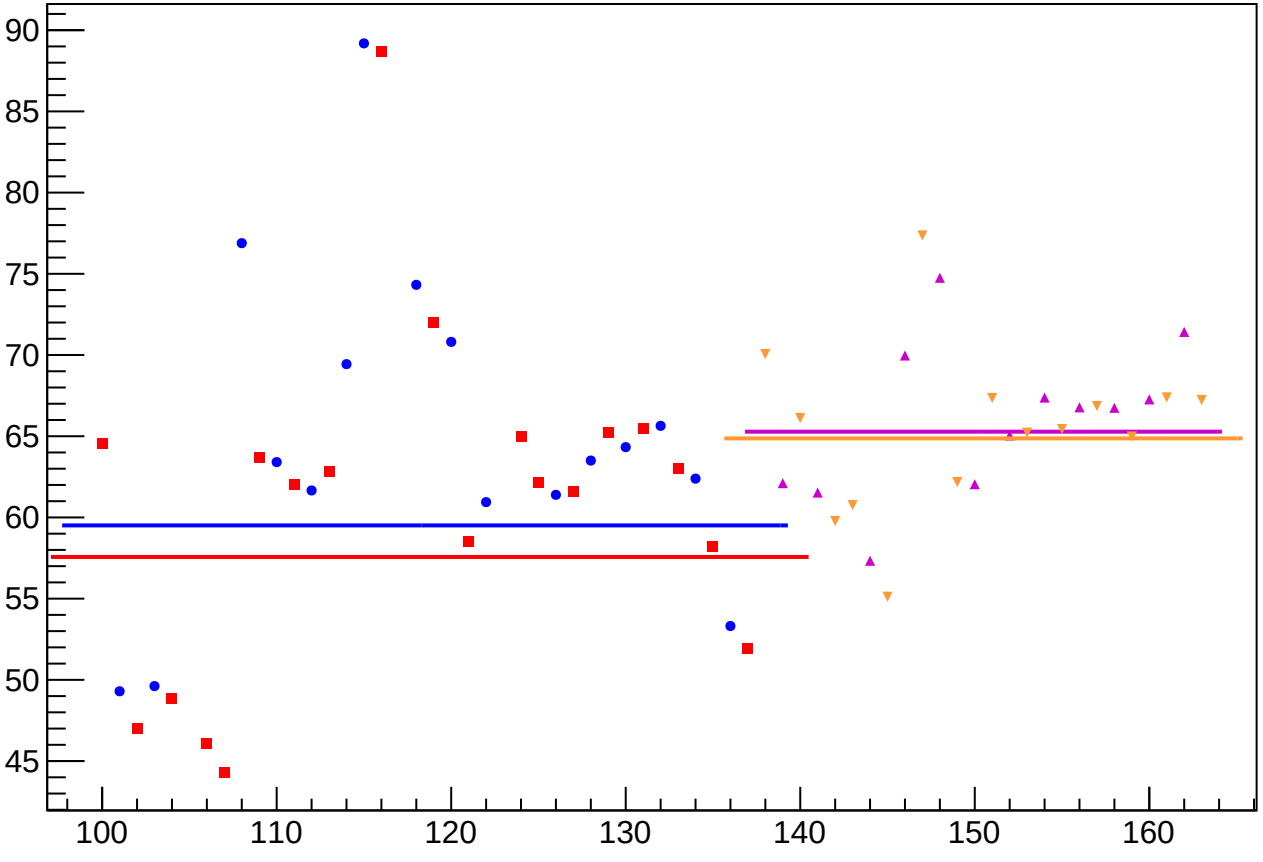
Left In: -26.491+/-20.401 χ^2/NDF:7.0/11

+ sign 16.243+/-14.722 χ^2/NDF: 28.9/29

All: -17.372+/-10.446 χ^2/NDF: 74.4/60

- sign -51.454+/-14.824 χ^2/NDF: 35.0/30

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.867+/-0.014 χ^2/NDF:128191.4/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

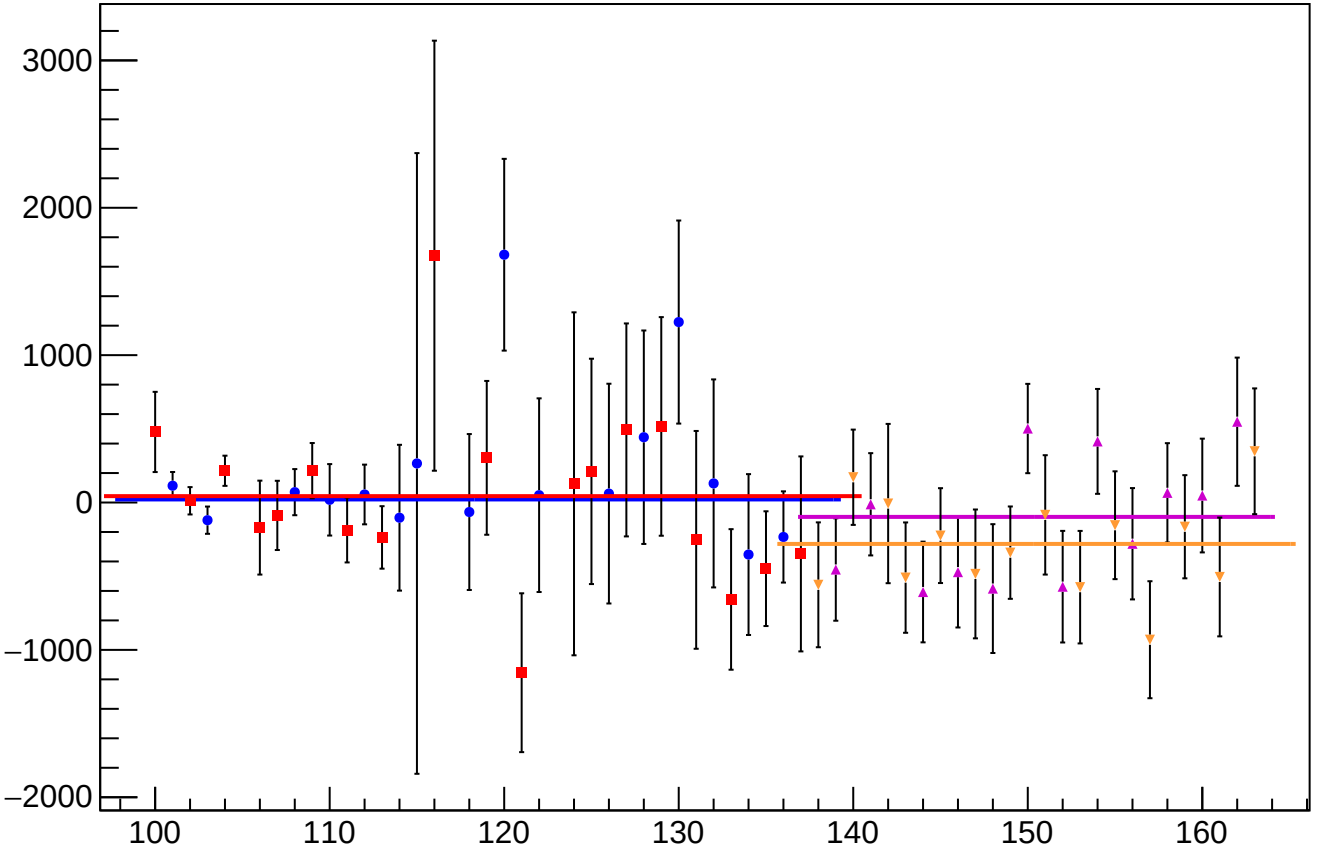
Left In: 65.280+/-0.014 χ^2/NDF:101432.5/11

+ sign 62.576+/-0.010 χ^2/NDF: 476226.7/29

All: 62.111+/-0.007 χ^2/NDF: 1064009.2/60

- sign 61.640+/-0.010 χ^2/NDF: 583765.0/30

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.978+/-101.350 χ^2/NDF:9.5/13

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

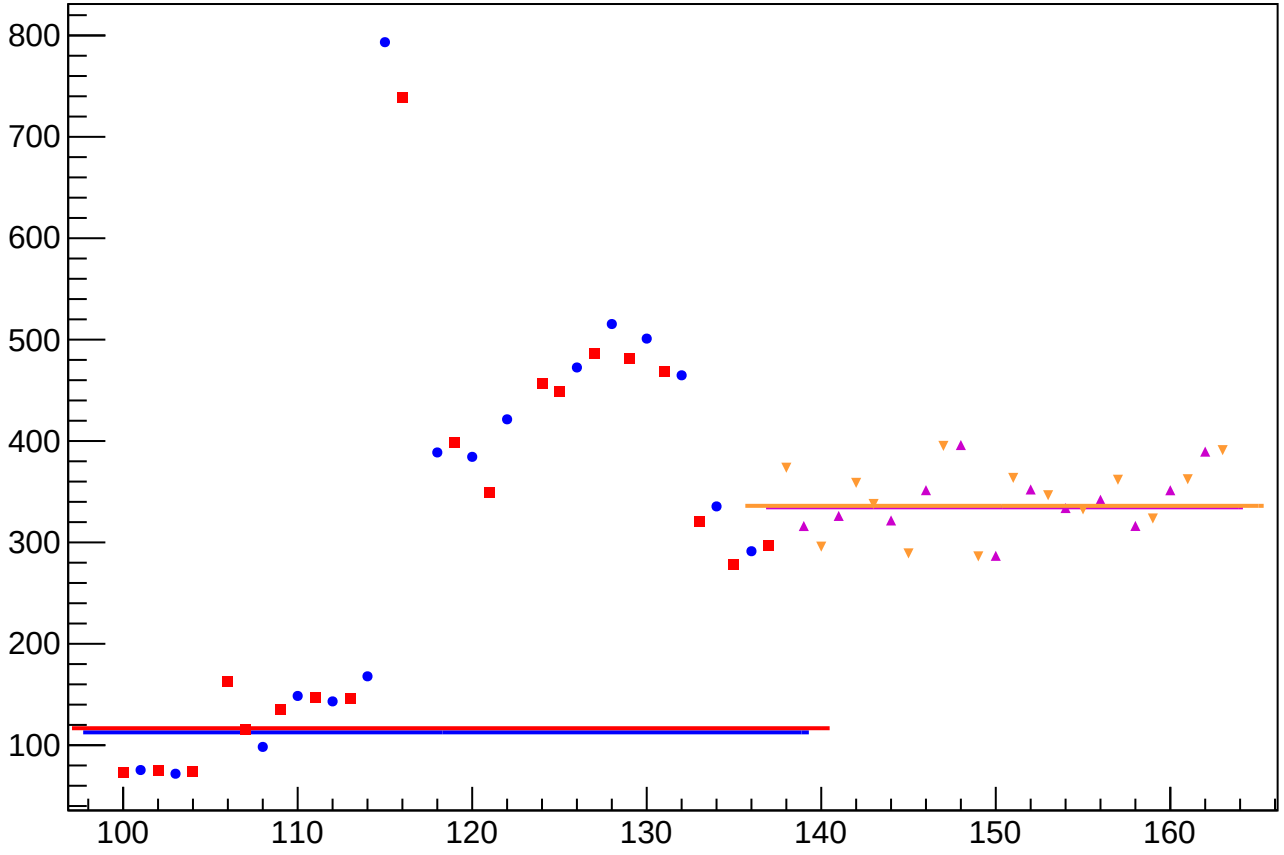
Left In: -97.546+/-104.802 χ^2/NDF:15.9/11

+ sign -45.098+/-47.372 χ^2/NDF: 31.1/29

All: -15.393+/-33.523 χ^2/NDF: 70.7/60

- sign 14.403+/-47.445 χ^2/NDF: 38.9/30

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.078+/-0.072 χ^2/NDF:243464.0/13

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

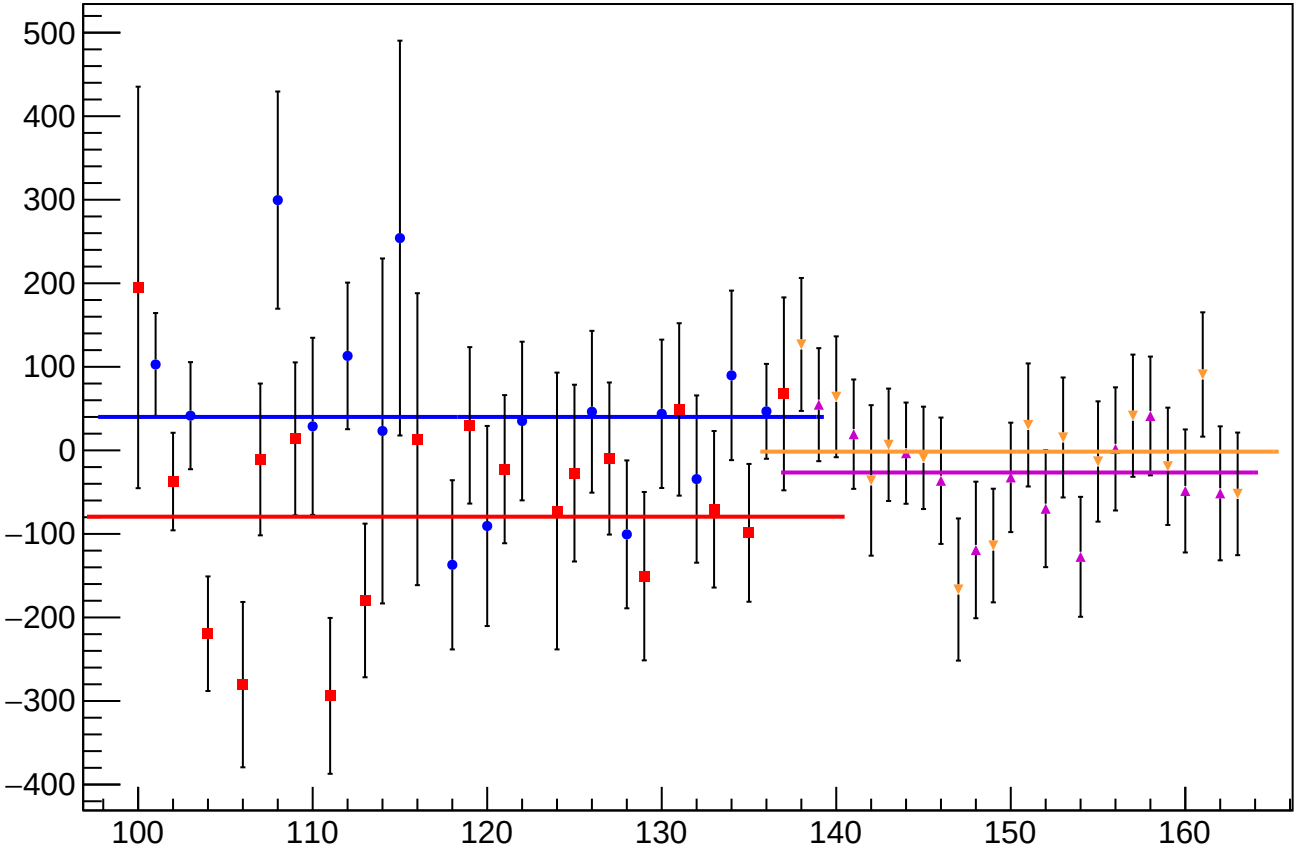
Left In: 334.602+/-0.074 χ^2/NDF:149817.2/11

+ sign 161.476+/-0.033 χ^2/NDF: 13438245.3/29

All: 161.431+/-0.024 χ^2/NDF: 25601363.7/60

- sign 161.385+/-0.034 χ^2/NDF: 12163114.7/30

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.523+/-19.458 χ^2/NDF:12.8/13

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

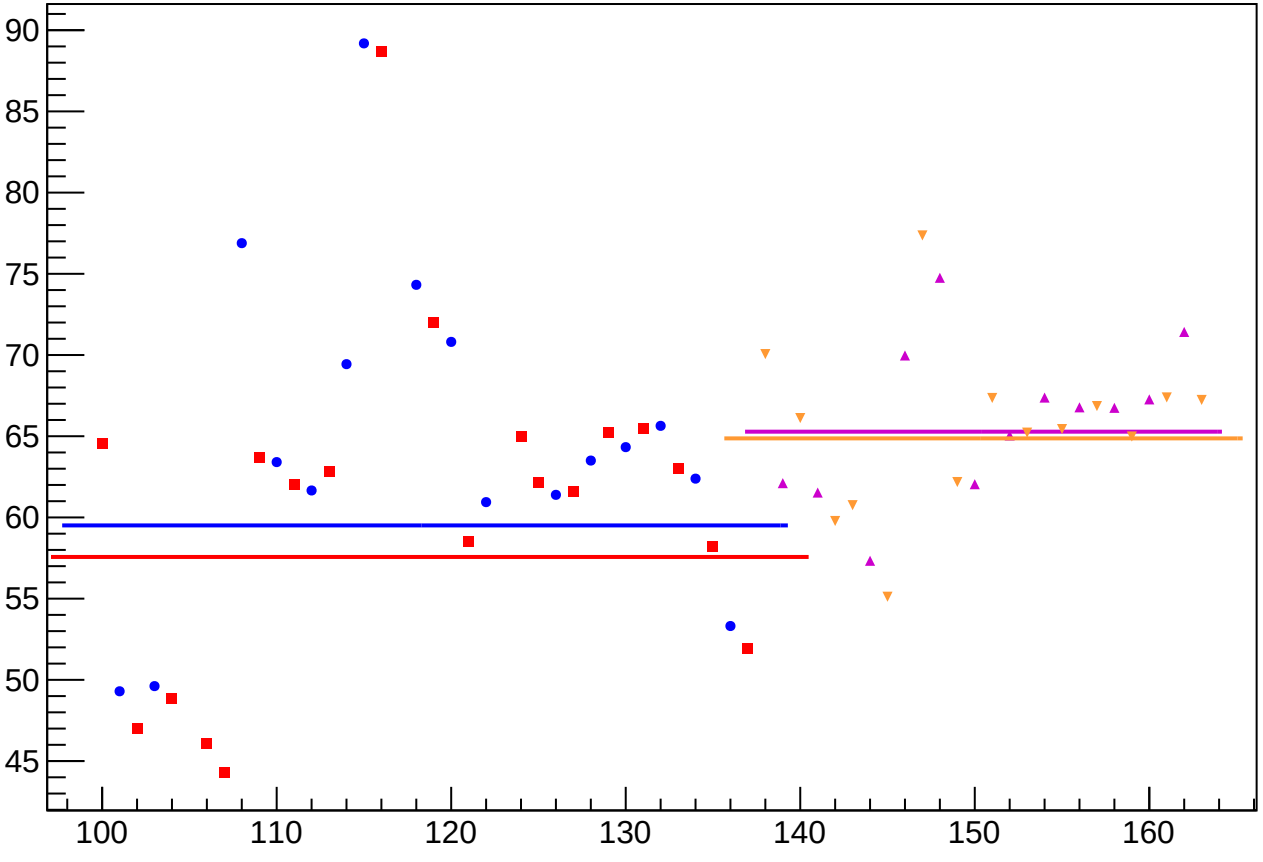
Left In: -26.491+/-20.401 χ^2/NDF:7.0/11

+ sign 16.244+/-14.722 χ^2/NDF: 28.9/29

All: -17.371+/-10.446 χ^2/NDF: 74.4/60

- sign -51.454+/-14.824 χ^2/NDF: 35.0/30

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.867+/-0.014 χ^2/NDF:128193.5/13

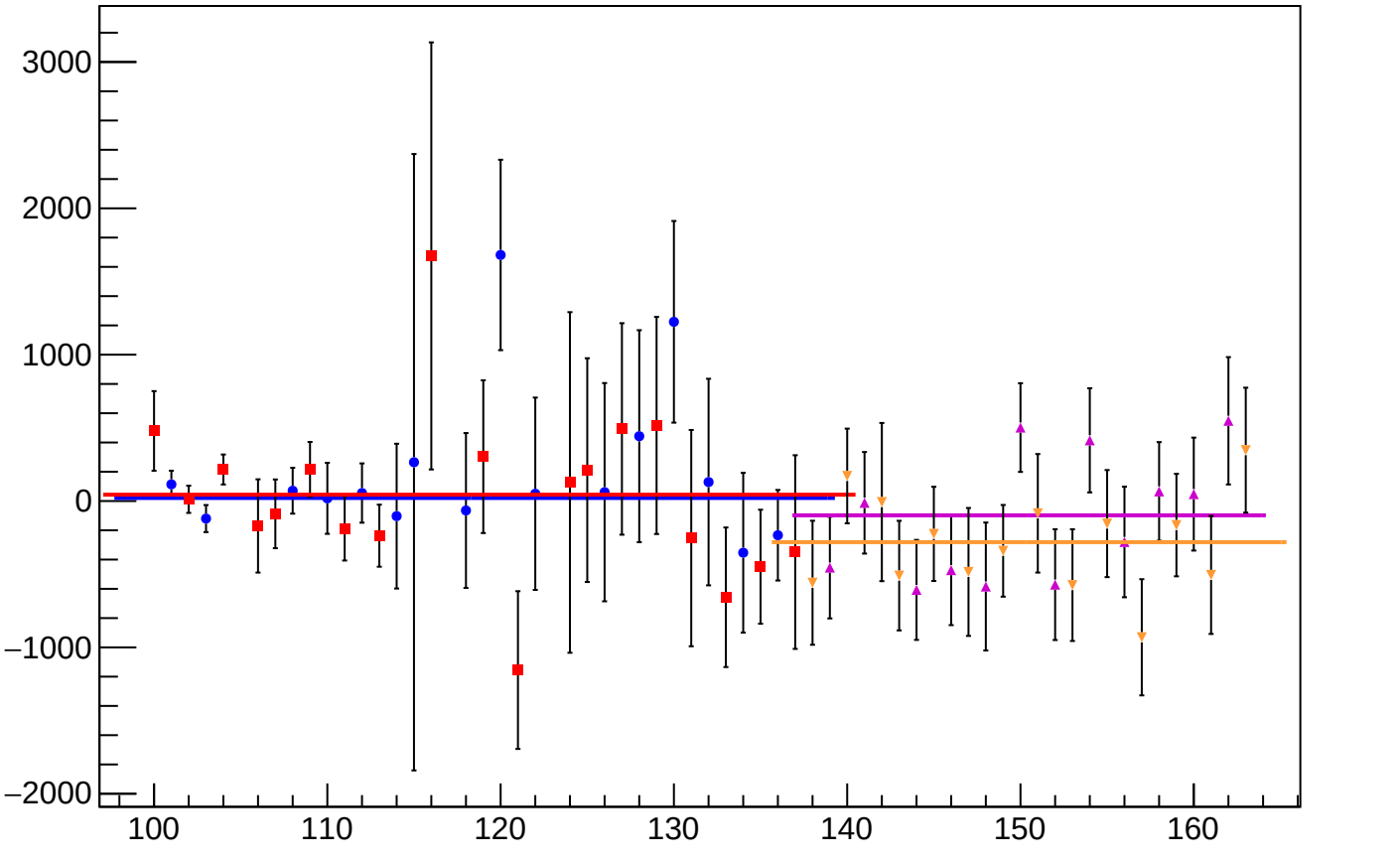
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.281+/-0.014 χ^2/NDF:101429.8/11

+ sign 62.576+/-0.010 χ^2/NDF: 476231.2/29

All: 62.111+/-0.007 χ^2/NDF: 1064015.2/60

- sign 61.640+/-0.010 χ^2/NDF: 583766.6/30



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.977+/-101.350 χ^2/NDF:9.5/13

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

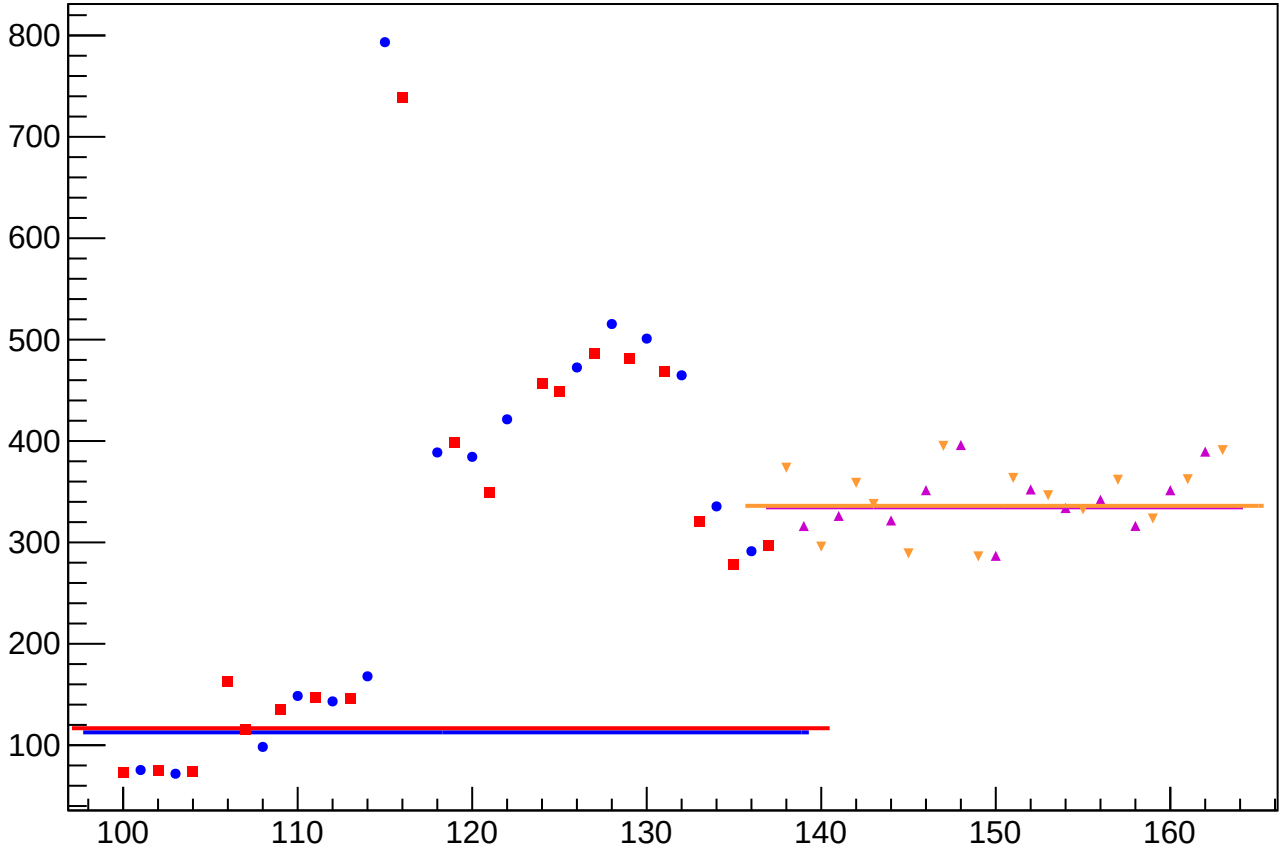
Left In: -97.546+/-104.802 χ^2/NDF:15.9/11

+ sign -45.097+/-47.372 χ^2/NDF: 31.1/29

All: -15.393+/-33.523 χ^2/NDF: 70.7/60

- sign 14.403+/-47.445 χ^2/NDF: 38.9/30

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 336.079+/-0.072 χ^2/NDF:243462.6/13

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

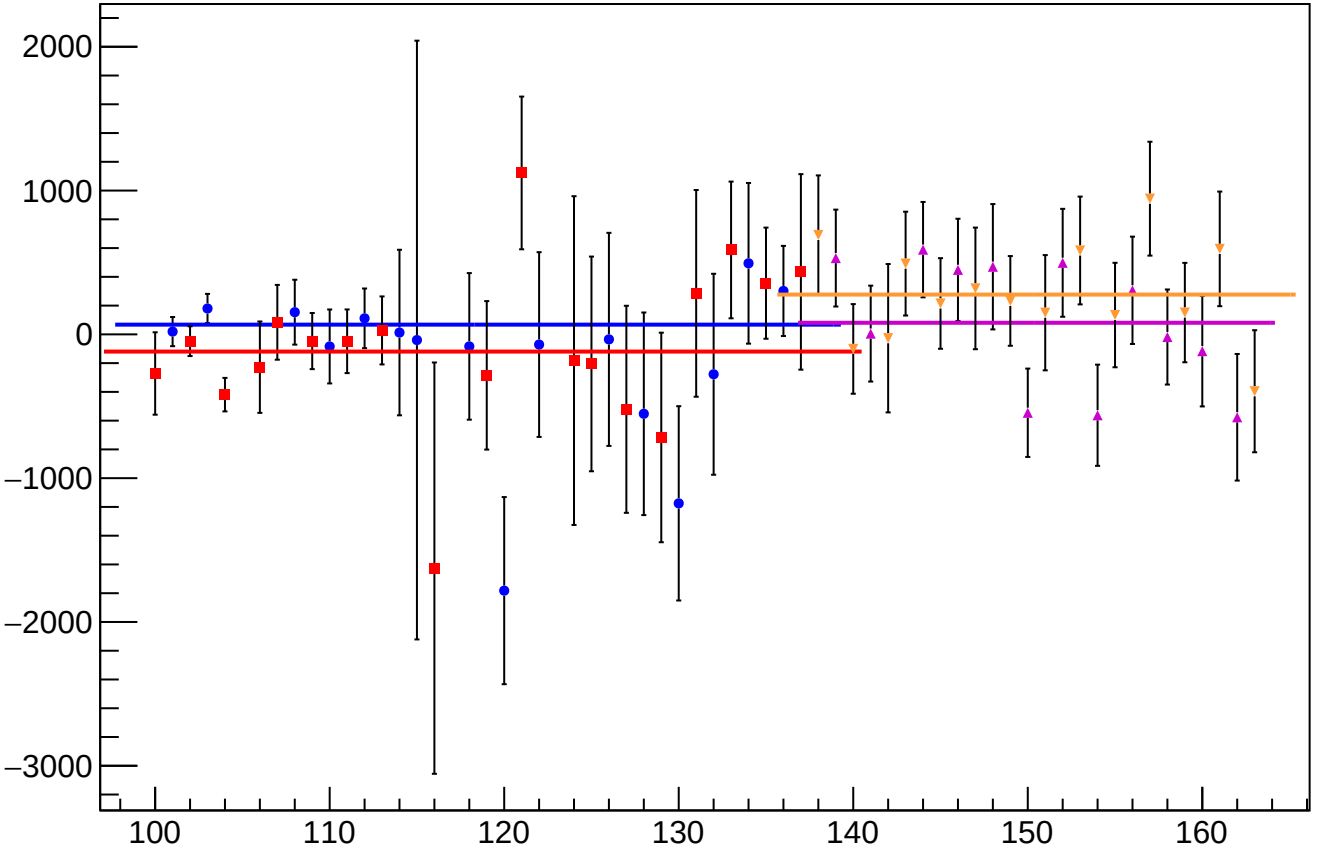
Left In: 334.602+/-0.074 χ^2/NDF:149813.2/11

+ sign 161.476+/-0.033 χ^2/NDF: 13438288.7/29

All: 161.430+/-0.024 χ^2/NDF: 25601455.9/60

- sign 161.384+/-0.034 χ^2/NDF: 12163163.6/30

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 276.649+/-99.495 χ^2/NDF:10.3/13

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

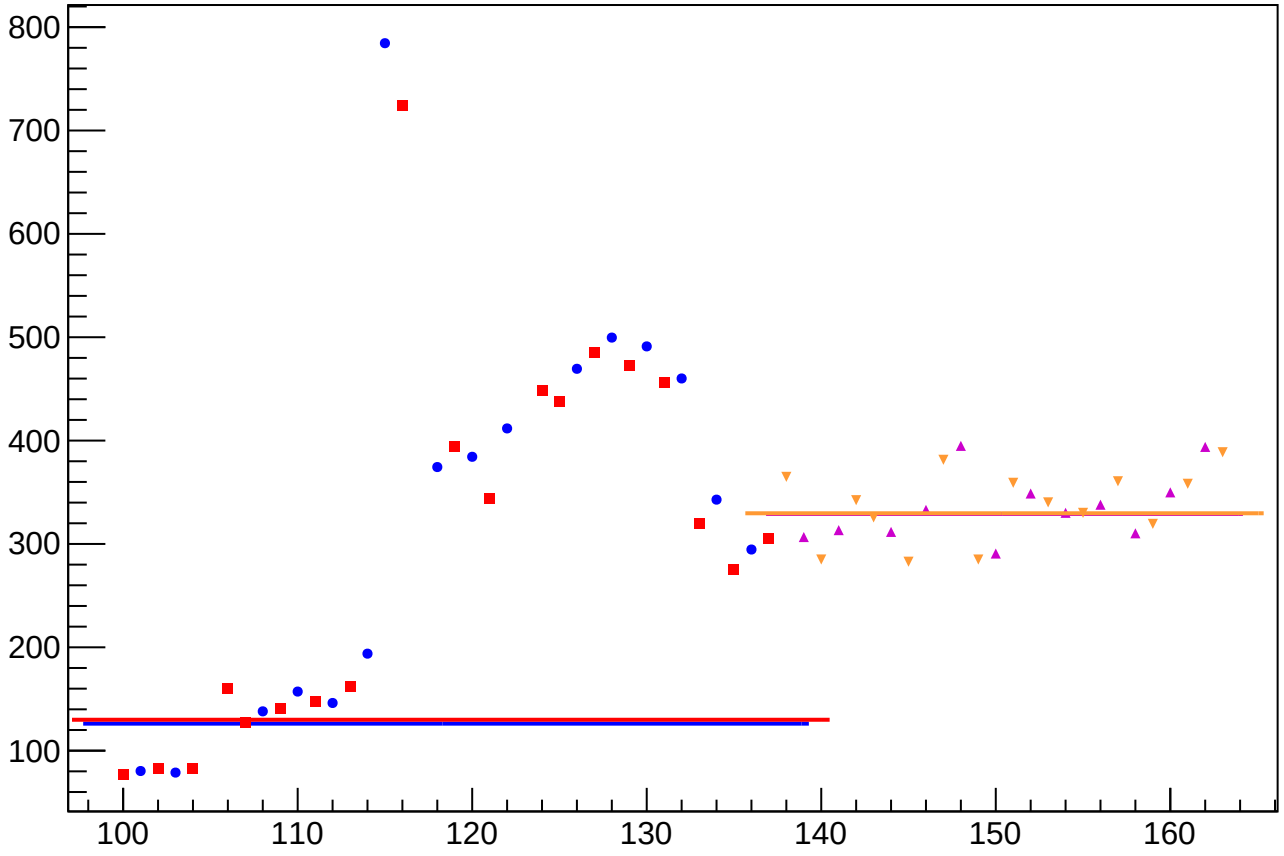
Left In: 80.626+/-103.084 χ^2/NDF:17.7/11

+ sign 122.232+/-50.856 χ^2/NDF: 29.3/29

All: 24.676+/-35.837 χ^2/NDF: 78.4/60

- sign -71.556+/-50.509 χ^2/NDF: 41.7/30

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 329.676+/-0.070 χ^2/NDF:247777.9/13

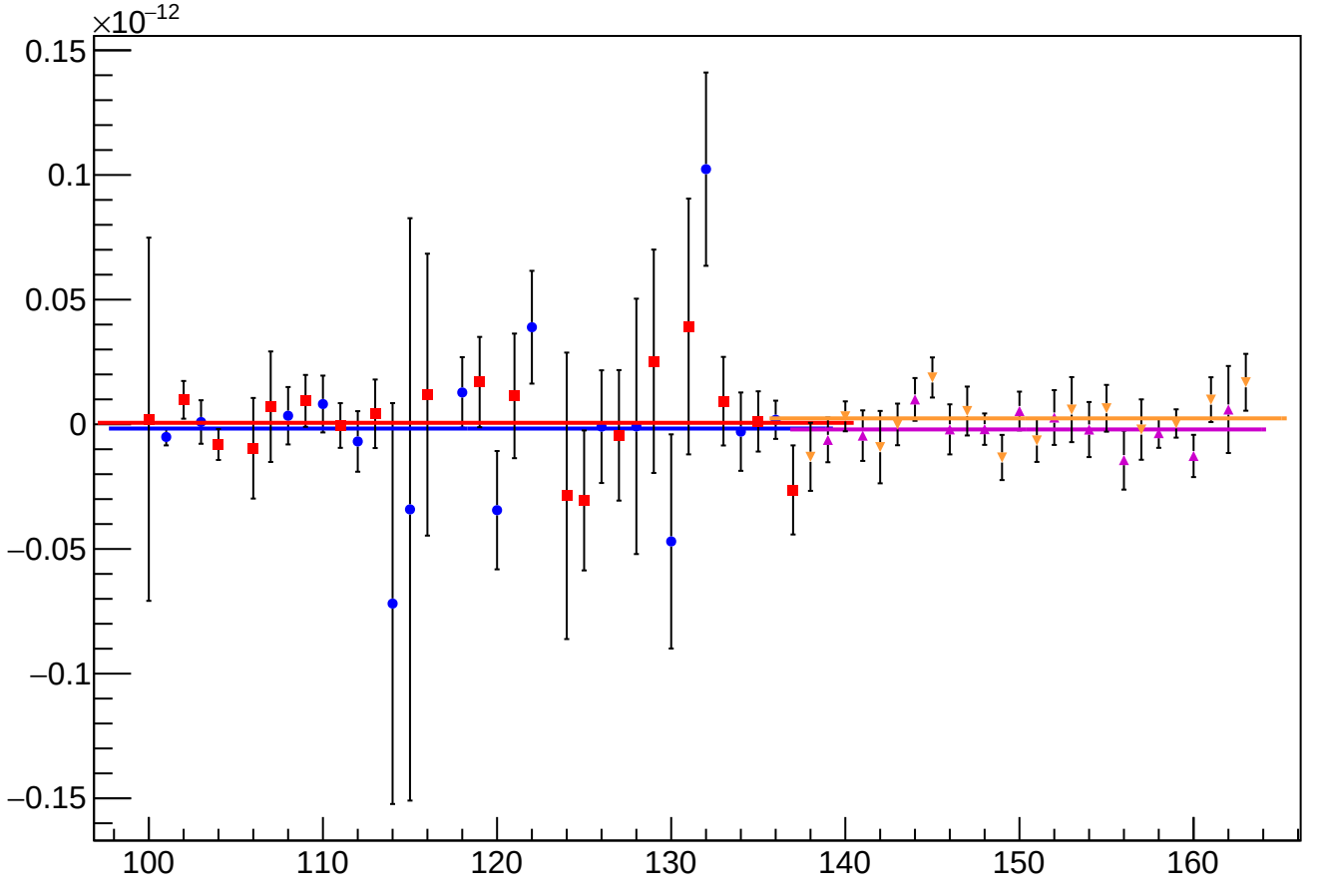
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 328.981+/-0.073 χ^2/NDF:158158.5/11

+ sign 179.326+/-0.036 χ^2/NDF: 11650091.0/29

All: 178.511+/-0.025 χ^2/NDF: 22124748.9/60

- sign 177.707+/-0.036 χ^2/NDF: 10473637.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/13

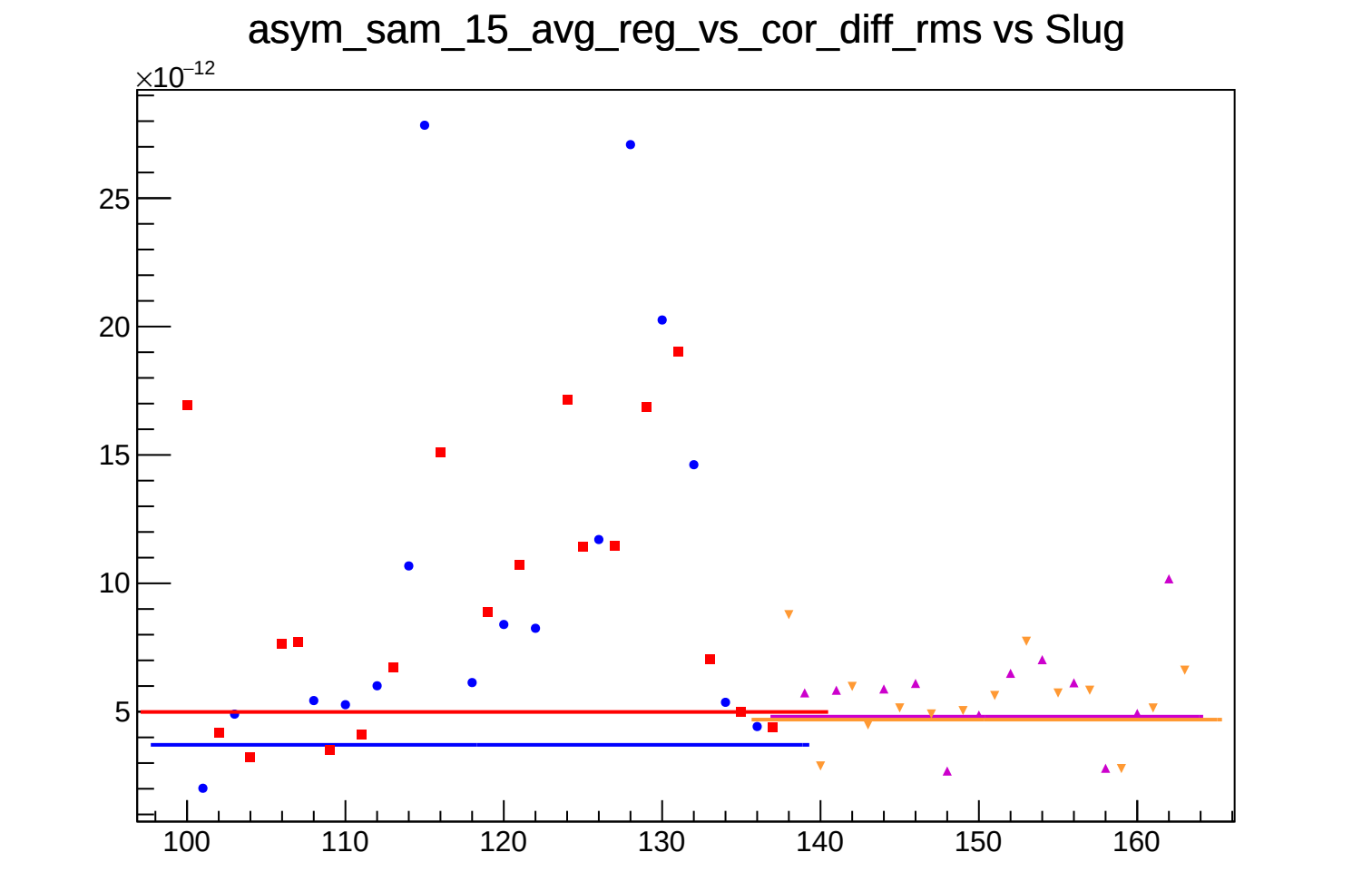
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/29

All: -0.000+/-0.000 χ^2/NDF: 49.9/60

- sign -0.000+/-0.000 χ^2/NDF: 17.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:851211.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

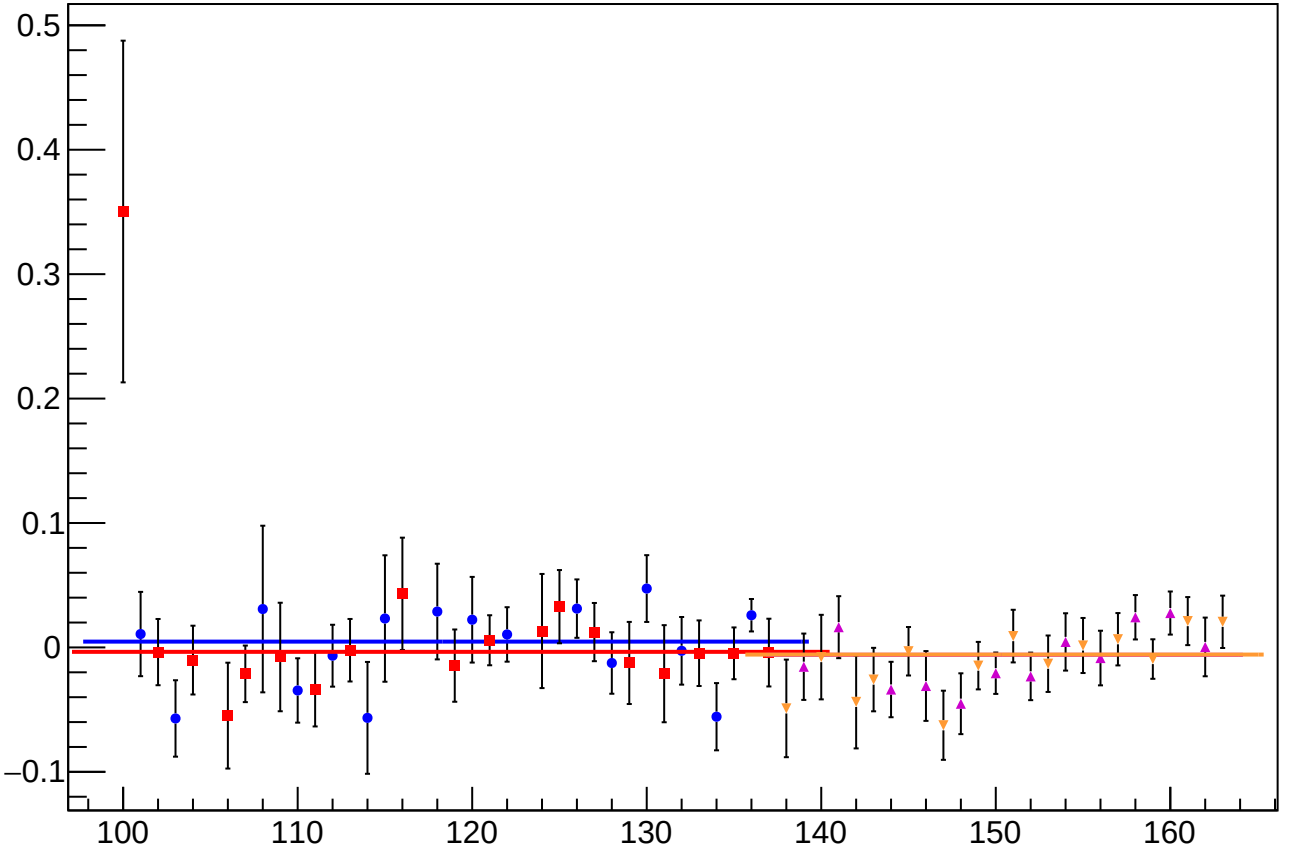
Left In: 0.000+/-0.000 χ^2/NDF:908569.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 3184588.0/29

All: 0.000+/-0.000 χ^2/NDF: 5512131.2/60

- sign 0.000+/-0.000 χ^2/NDF: 2207975.5/30

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: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

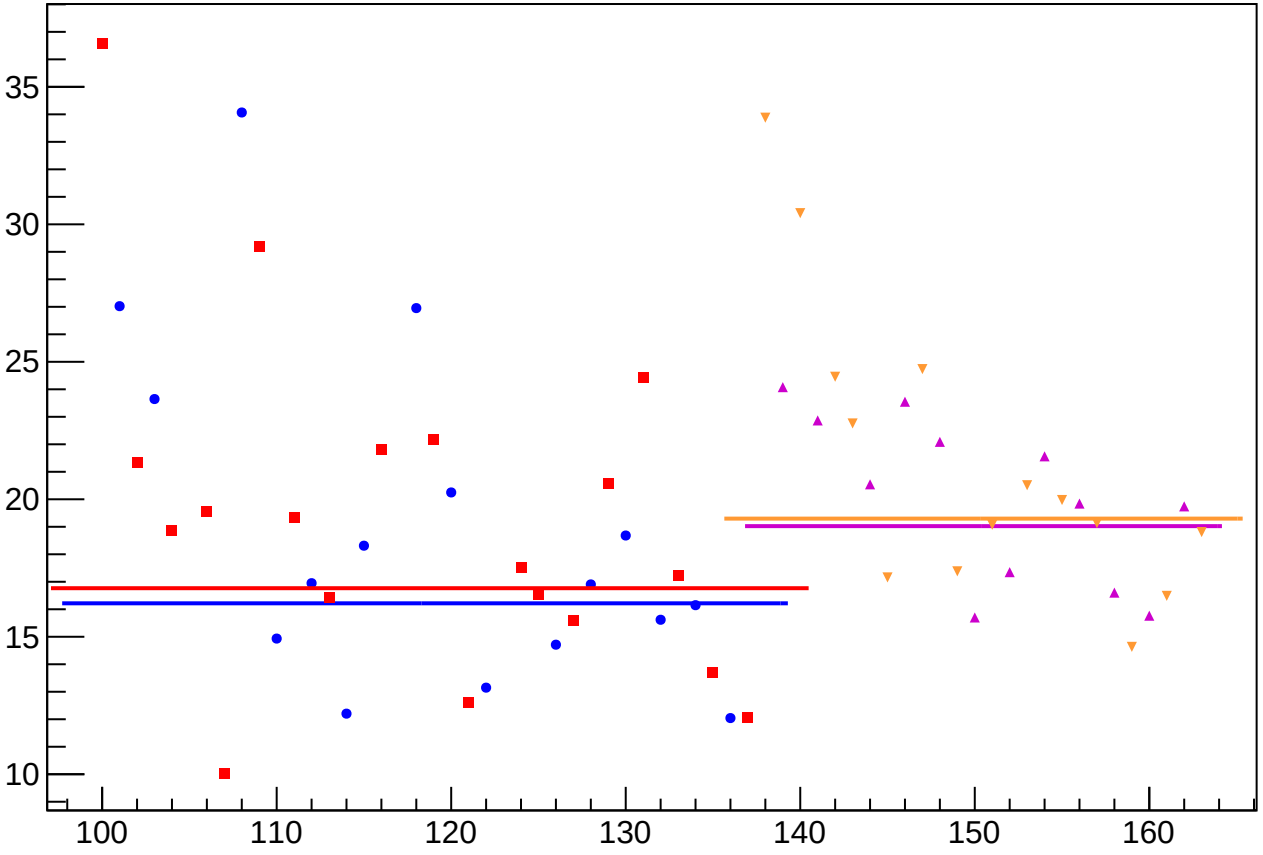
Left In: -0.006+/-0.006 χ^2/NDF:14.4/11

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 63.2/60

- sign -0.005+/-0.005 χ^2/NDF: 28.1/30

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: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

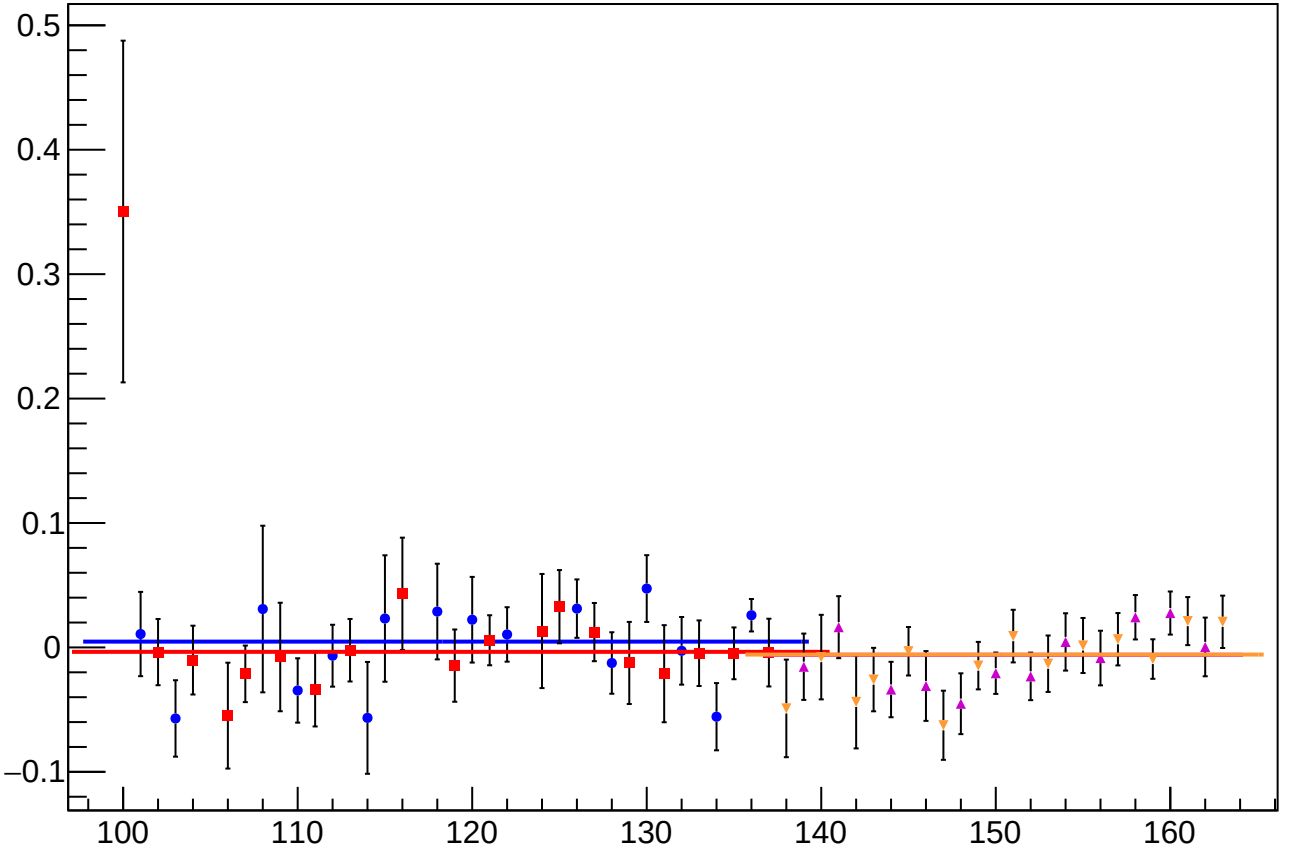
Left In: 19.023+/-0.004 χ^2/NDF:443922.1/11

+ sign 17.897+/-0.003 χ^2/NDF: 2094127.2/29

All: 17.938+/-0.002 χ^2/NDF: 3530093.1/60

- sign 17.982+/-0.003 χ^2/NDF: 1435603.3/30

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: -0.006+/-0.006 χ^2/NDF:11.9/13

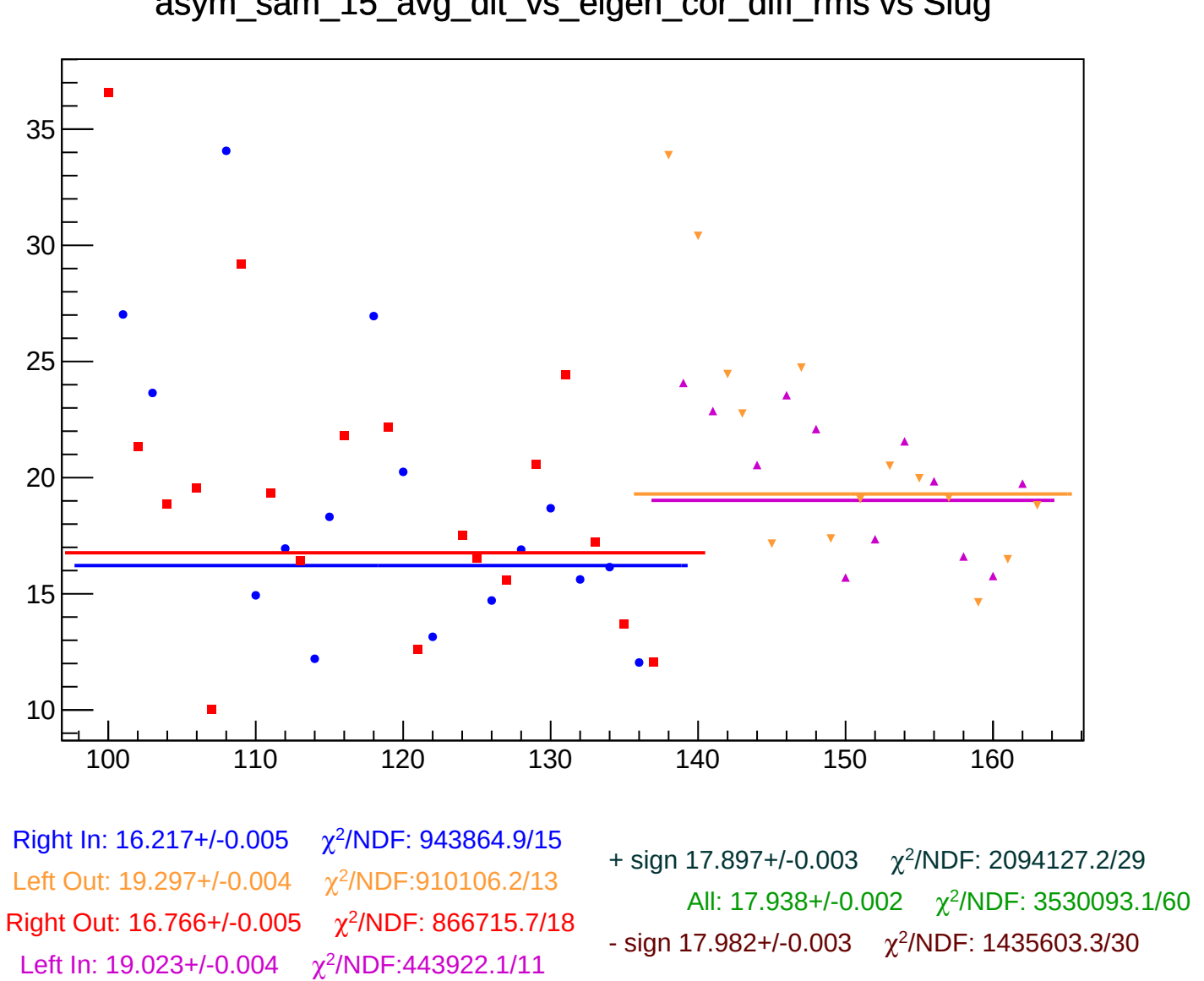
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

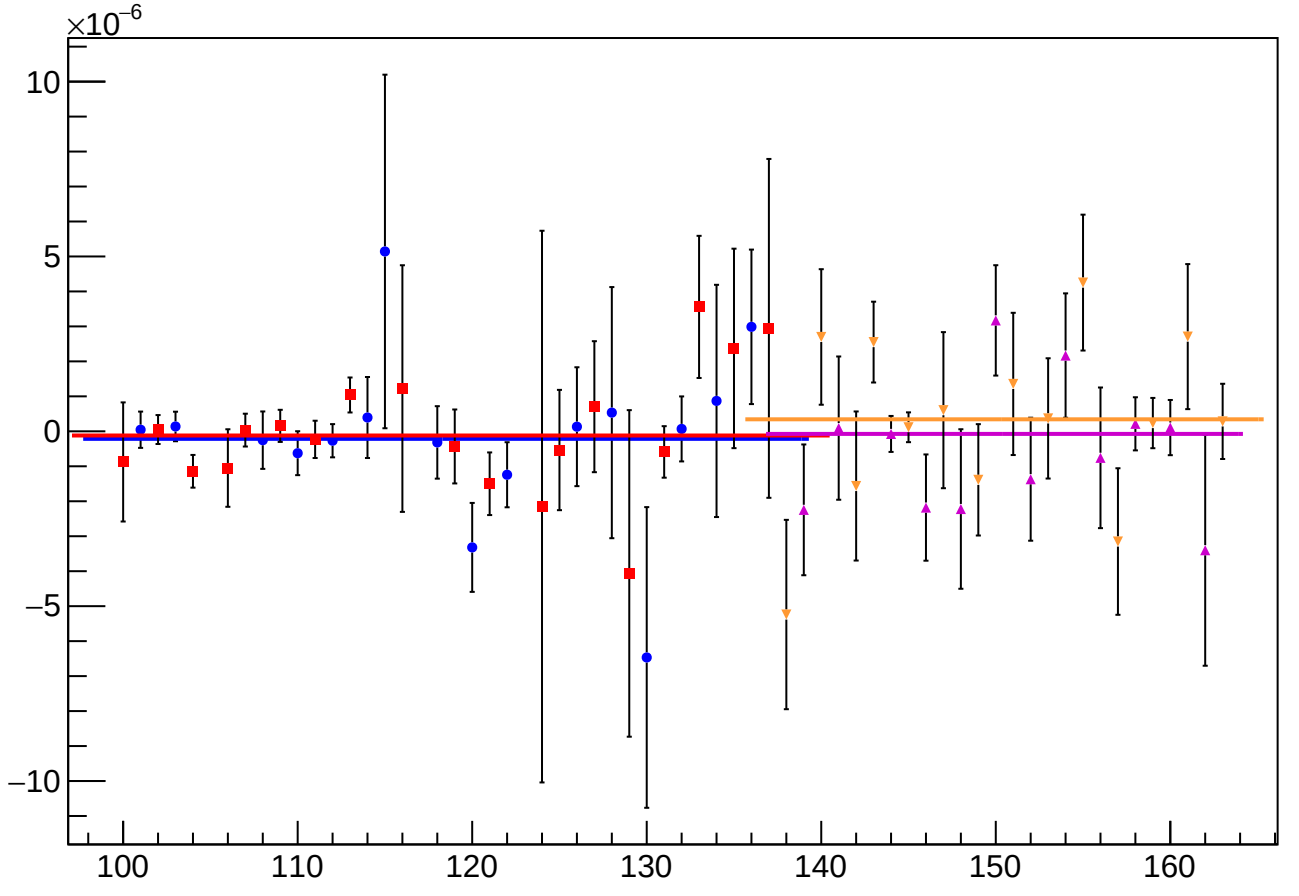
Left In: -0.006+/-0.006 χ^2/NDF:14.4/11

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 63.2/60

- sign -0.005+/-0.005 χ^2/NDF: 28.1/30


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug
35
30
25
20
15
10
100
110
120
130
140
150
160
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 19.297+/-0.004 χ²/NDF:910106.2/13
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.023+/-0.004 χ²/NDF:443922.1/11
+ sign 17.897+/-0.003 χ²/NDF: 2094127.2/29
All: 17.938+/-0.002 χ²/NDF: 3530093.1/60
- sign 17.982+/-0.003 χ²/NDF: 1435603.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/13

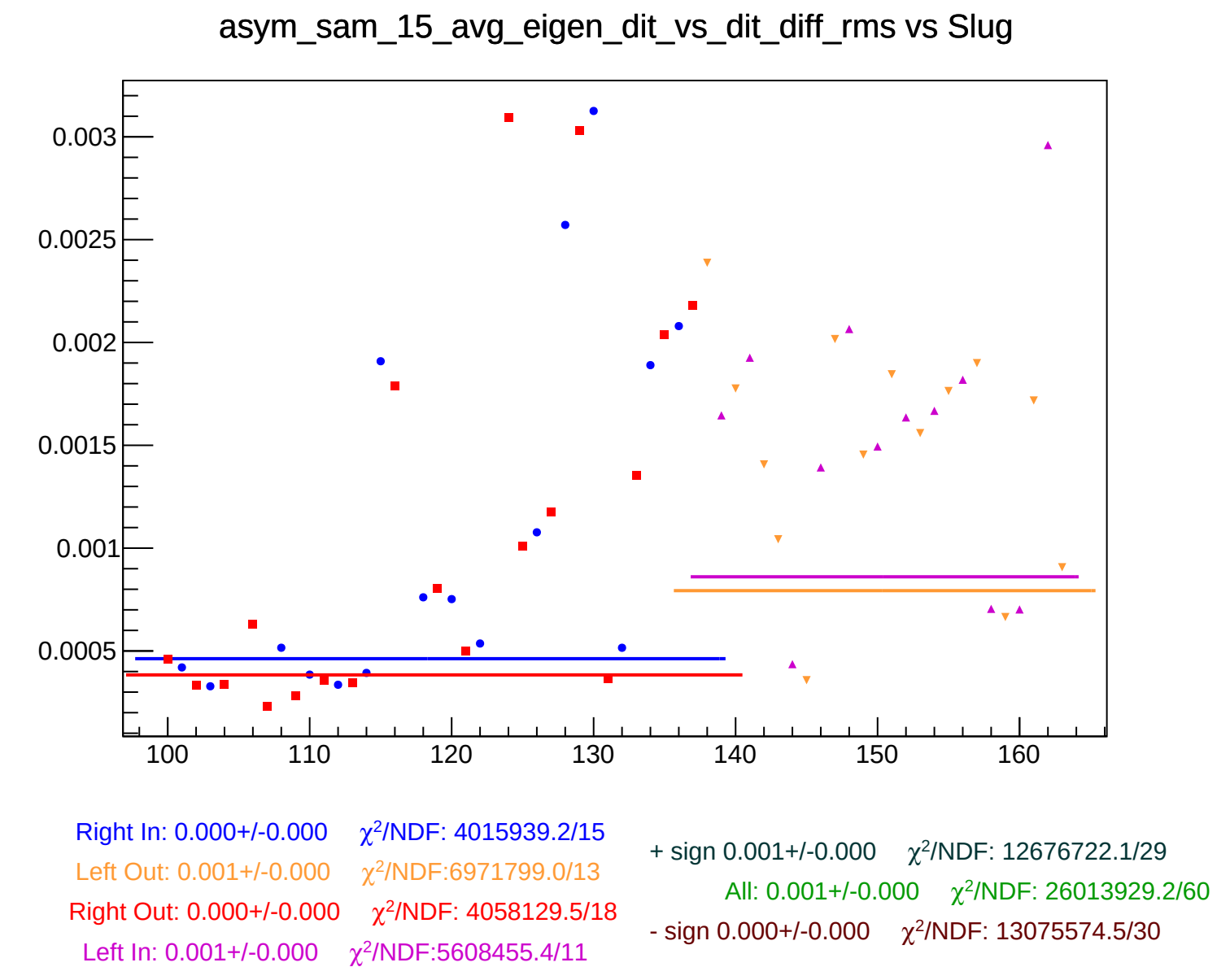
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/11

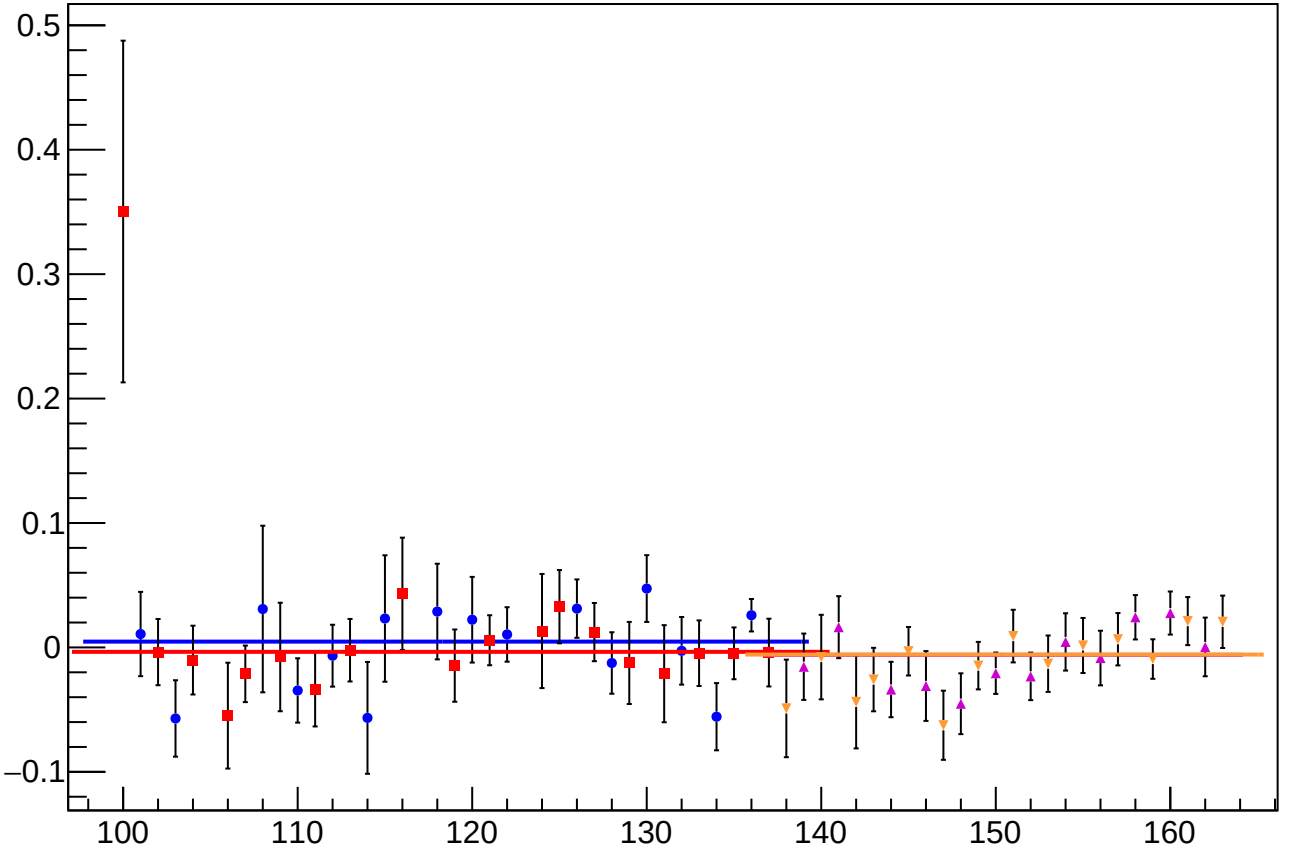
+ sign -0.000+/-0.000 χ^2/NDF: 37.0/29

All: -0.000+/-0.000 χ^2/NDF: 69.2/60

- sign -0.000+/-0.000 χ^2/NDF: 32.1/30


asym_sam_15_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
160
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6971799.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:5608455.4/11
+ sign 0.001+/-0.000 χ²/NDF: 12676722.1/29
All: 0.001+/-0.000 χ²/NDF: 26013929.2/60
- sign 0.000+/-0.000 χ²/NDF: 13075574.5/30

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: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

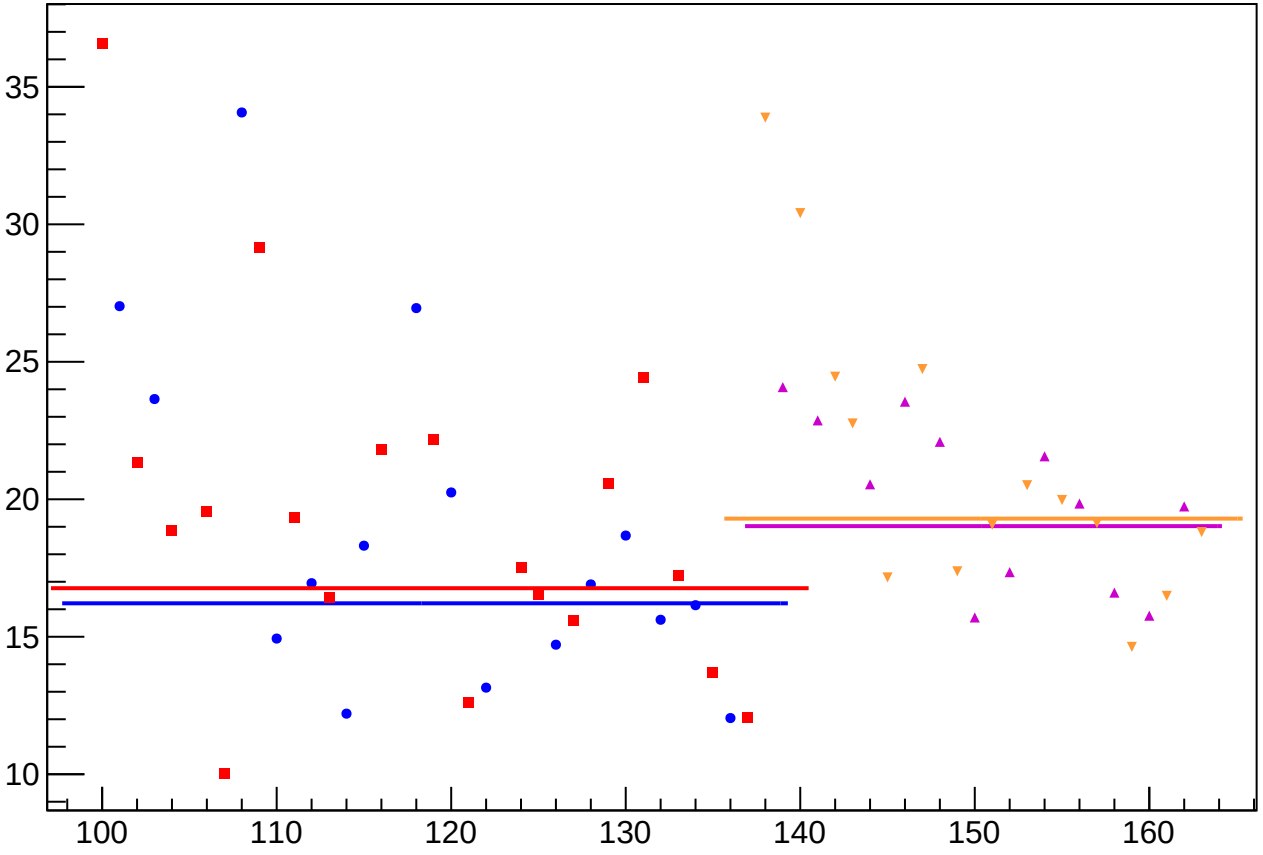
Left In: -0.006+/-0.006 χ^2/NDF:14.4/11

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 63.2/60

- sign -0.005+/-0.005 χ^2/NDF: 28.1/30

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: 19.297+/-0.004 χ^2/NDF:910208.0/13

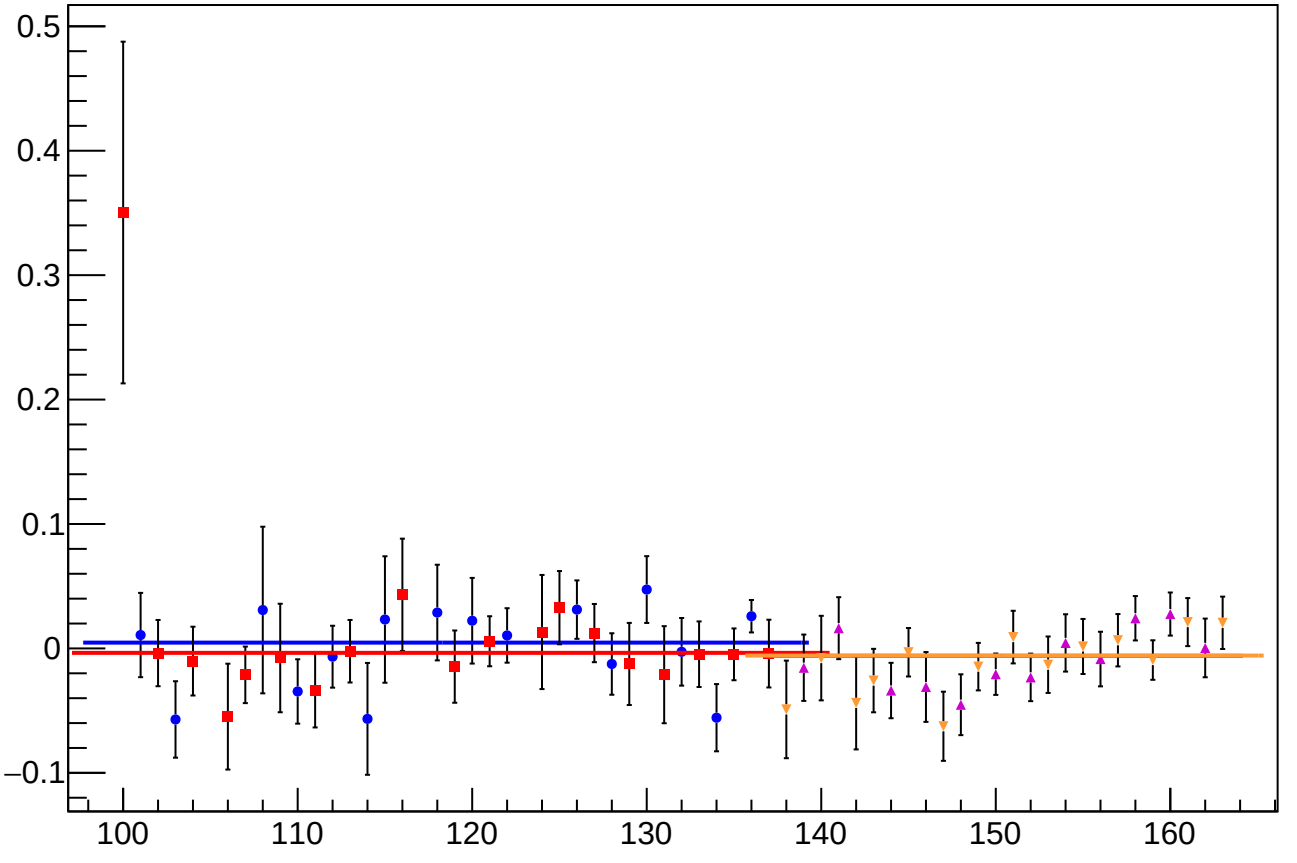
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.023+/-0.004 χ^2/NDF:444019.2/11

\+ sign 17.896+/-0.003 χ^2/NDF: 2094224.1/29

All: 17.938+/-0.002 χ^2/NDF: 3530291.6/60

\- sign 17.981+/-0.003 χ^2/NDF: 1435705.3/30



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

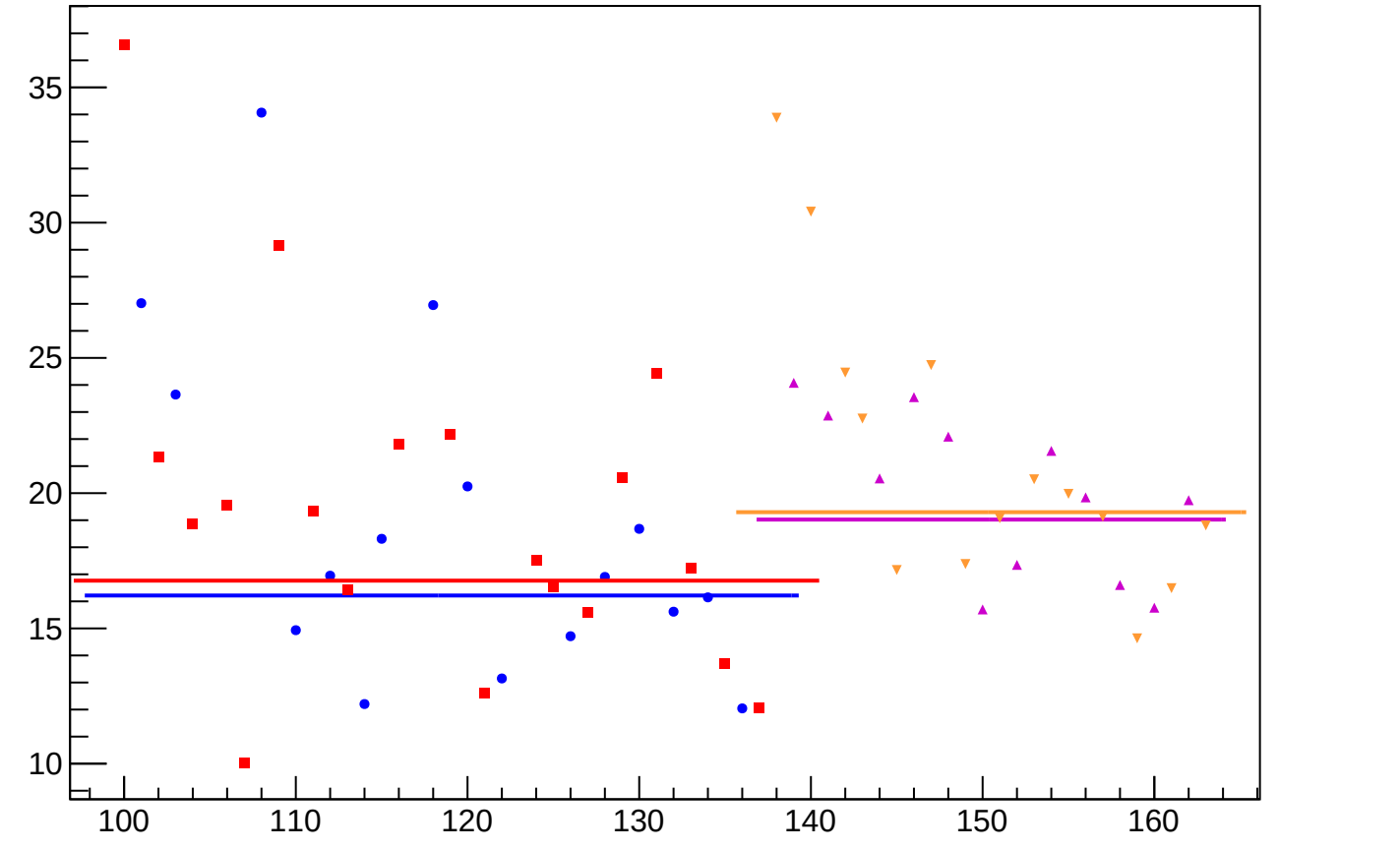
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.4/11

+ sign -0.001+/-0.004 χ^2/NDF: 34.7/29

All: -0.003+/-0.003 χ^2/NDF: 63.2/60

- sign -0.005+/-0.005 χ^2/NDF: 28.1/30



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.297+/-0.004 χ^2/NDF:910208.0/13

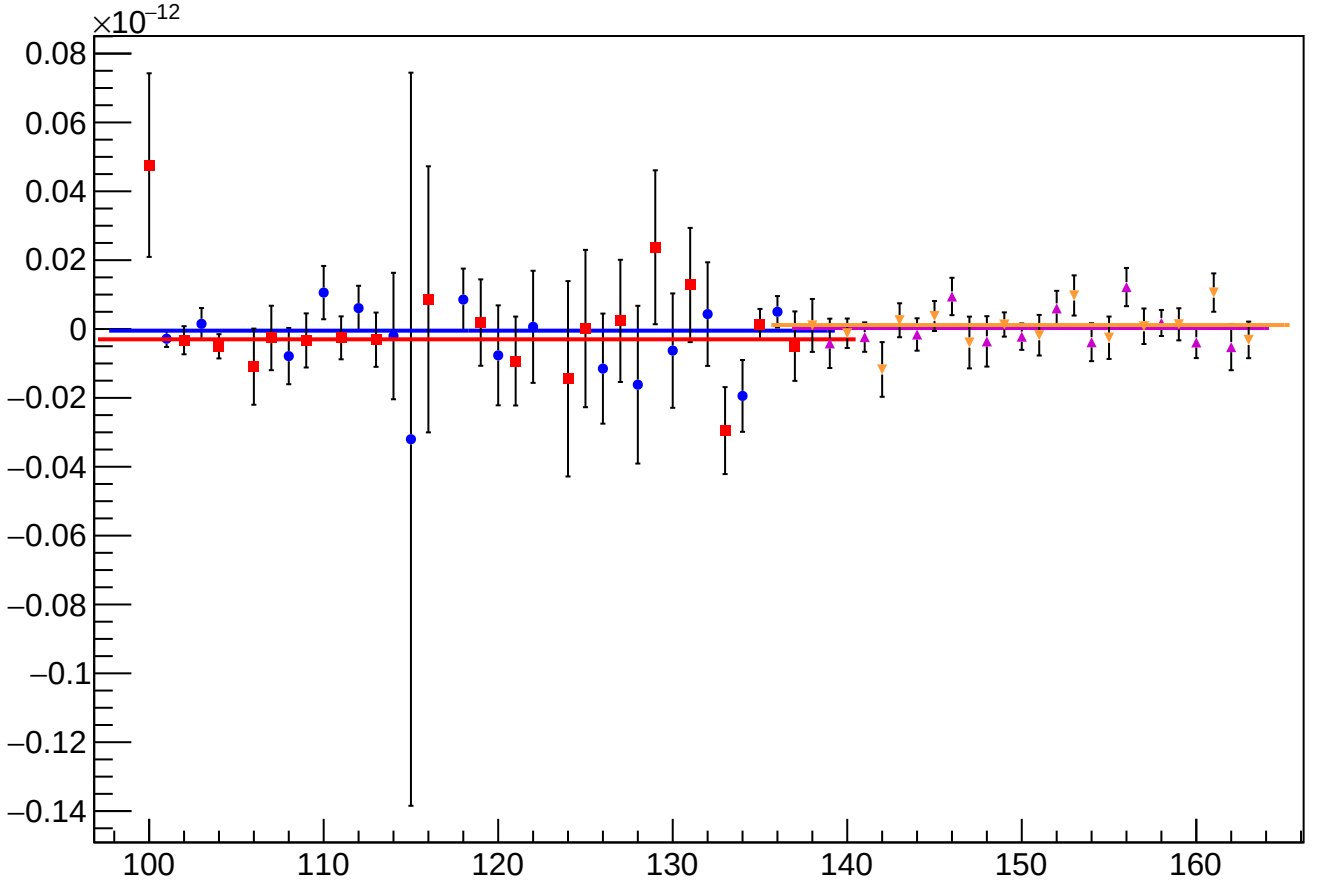
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.023+/-0.004 χ^2/NDF:444019.2/11

+ sign 17.896+/-0.003 χ^2/NDF: 2094224.1/29

All: 17.938+/-0.002 χ^2/NDF: 3530291.6/60

- sign 17.981+/-0.003 χ^2/NDF: 1435705.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/13

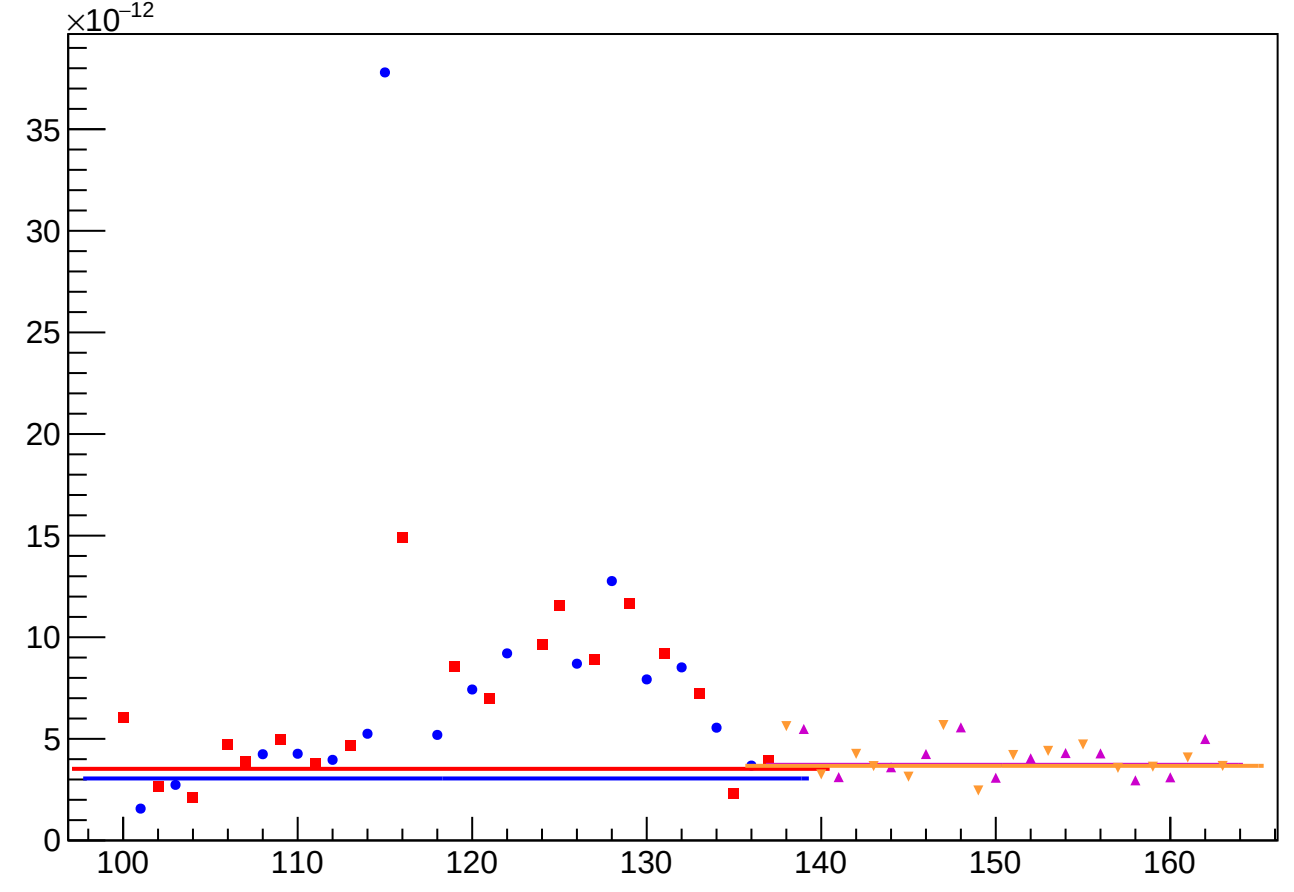
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 23.0/29

All: -0.000+/-0.000 χ^2/NDF: 51.6/60

- sign -0.000+/-0.000 χ^2/NDF: 27.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:687566.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

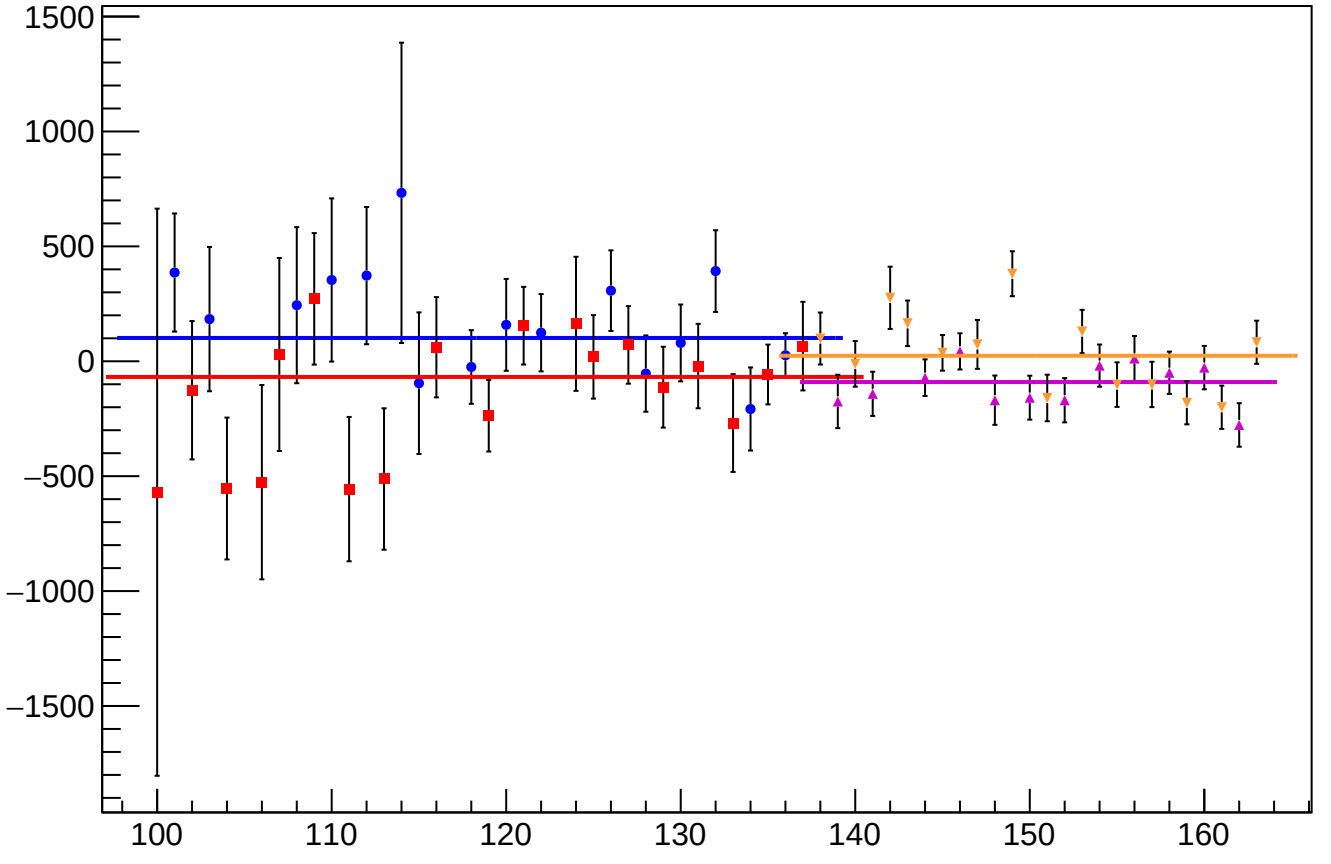
Left In: 0.000+/-0.000 χ^2/NDF:603908.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 3792440.2/29

All: 0.000+/-0.000 χ^2/NDF: 7015994.7/60

- sign 0.000+/-0.000 χ^2/NDF: 3177858.9/30

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 24.015+/-26.218 χ^2/NDF:38.3/13

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

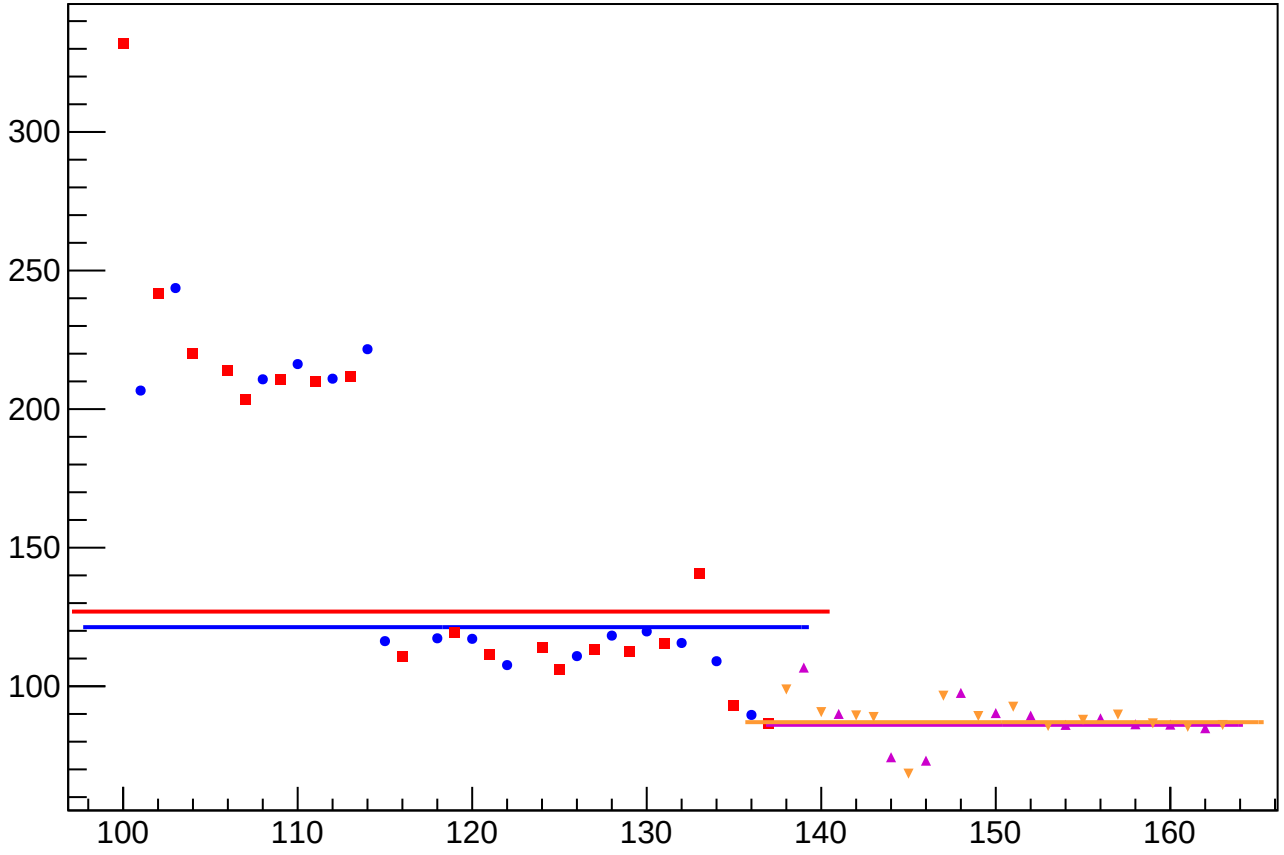
Left In: -90.337+/-27.021 χ^2/NDF:11.7/11

+ sign 42.023+/-22.968 χ^2/NDF: 53.7/29

All: -19.600+/-16.493 χ^2/NDF: 96.5/60

- sign -85.206+/-23.699 χ^2/NDF: 28.0/30

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

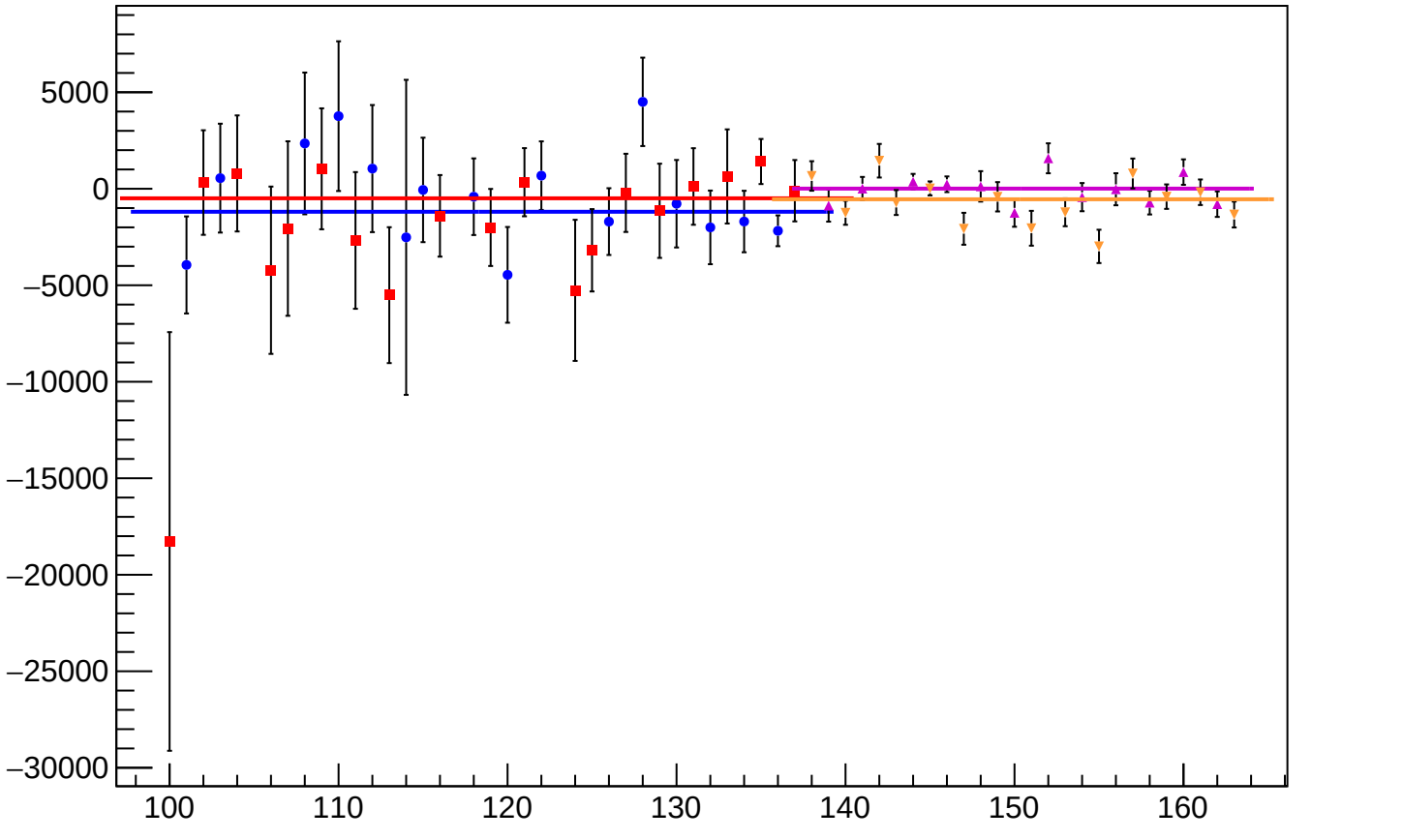
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

+ sign 95.011+/-0.016 χ^2/NDF: 2248829.5/29

All: 95.255+/-0.012 χ^2/NDF: 4970936.2/60

- sign 95.514+/-0.017 χ^2/NDF: 2721642.0/30



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -544.655+/-176.856 χ^2/NDF:31.3/13

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

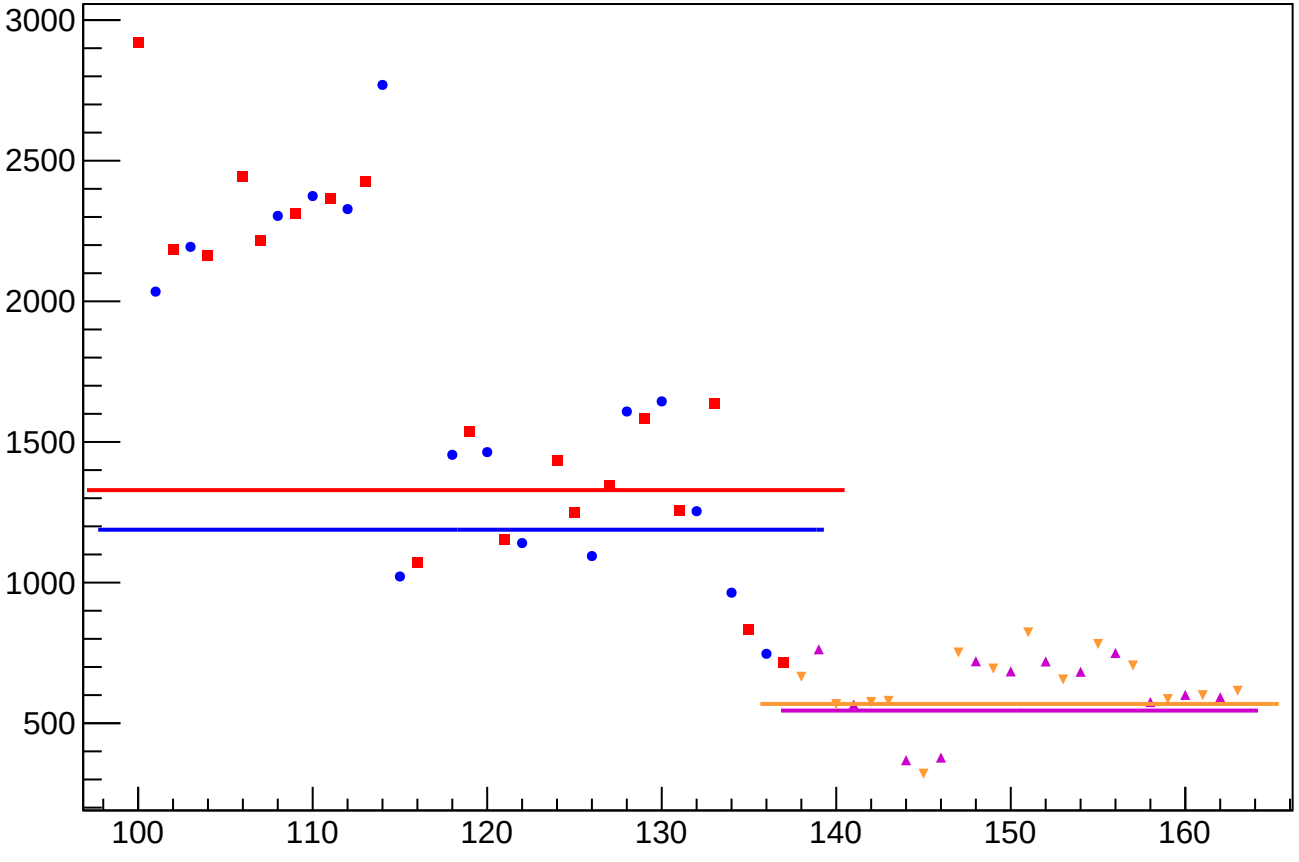
Left In: 7.263+/-176.601 χ^2/NDF:14.3/11

+ sign -622.363+/-165.905 χ^2/NDF: 48.8/29

All: -335.727+/-117.795 χ^2/NDF: 83.8/60

- sign -44.326+/-167.279 χ^2/NDF: 29.0/30

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 568.617+/-0.125 χ^2/NDF:1510792.0/13

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

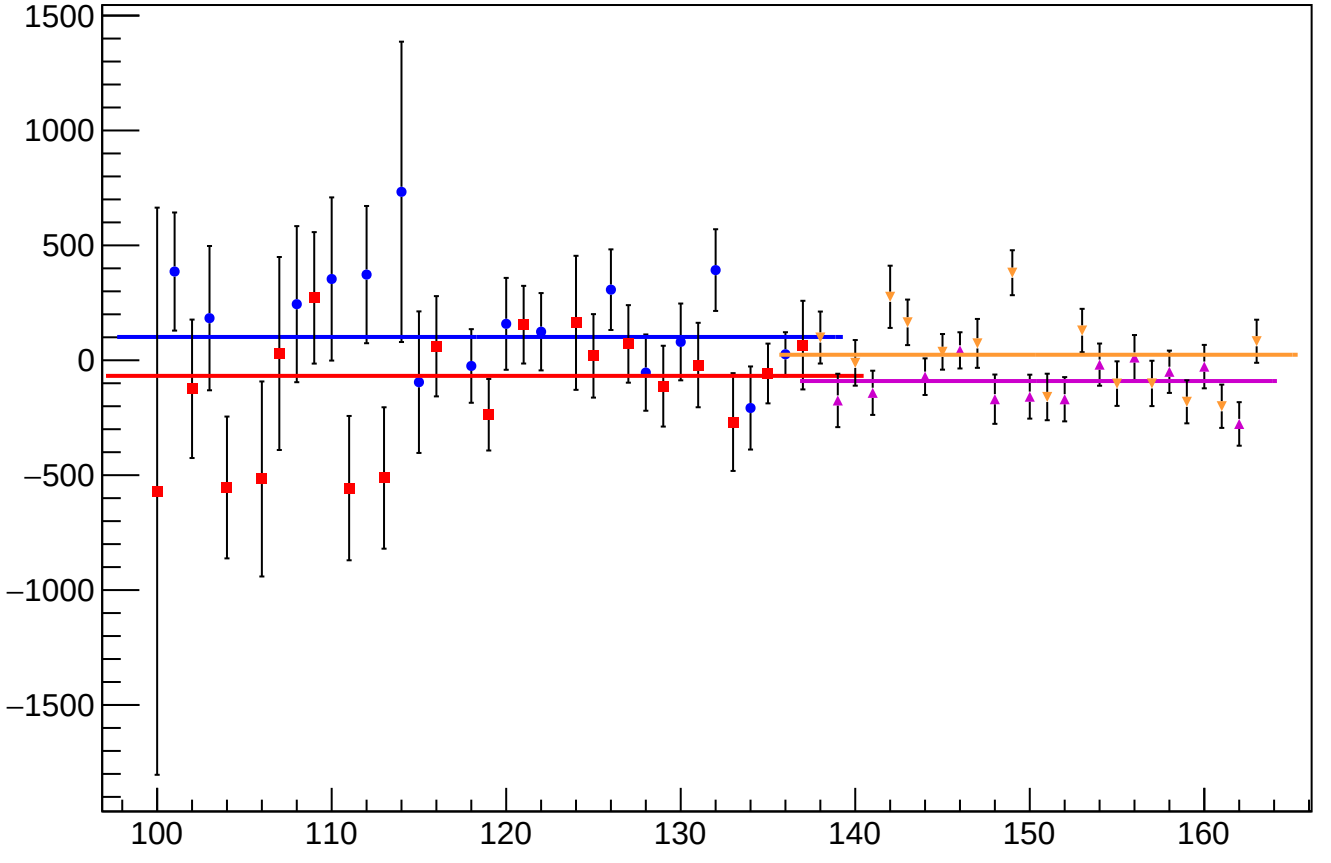
Left In: 545.015+/-0.125 χ^2/NDF:1354647.6/11

+ sign 642.957+/-0.117 χ^2/NDF: 6499988.5/29

All: 634.340+/-0.083 χ^2/NDF: 13872783.3/60

- sign 625.581+/-0.118 χ^2/NDF: 7361916.3/30

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

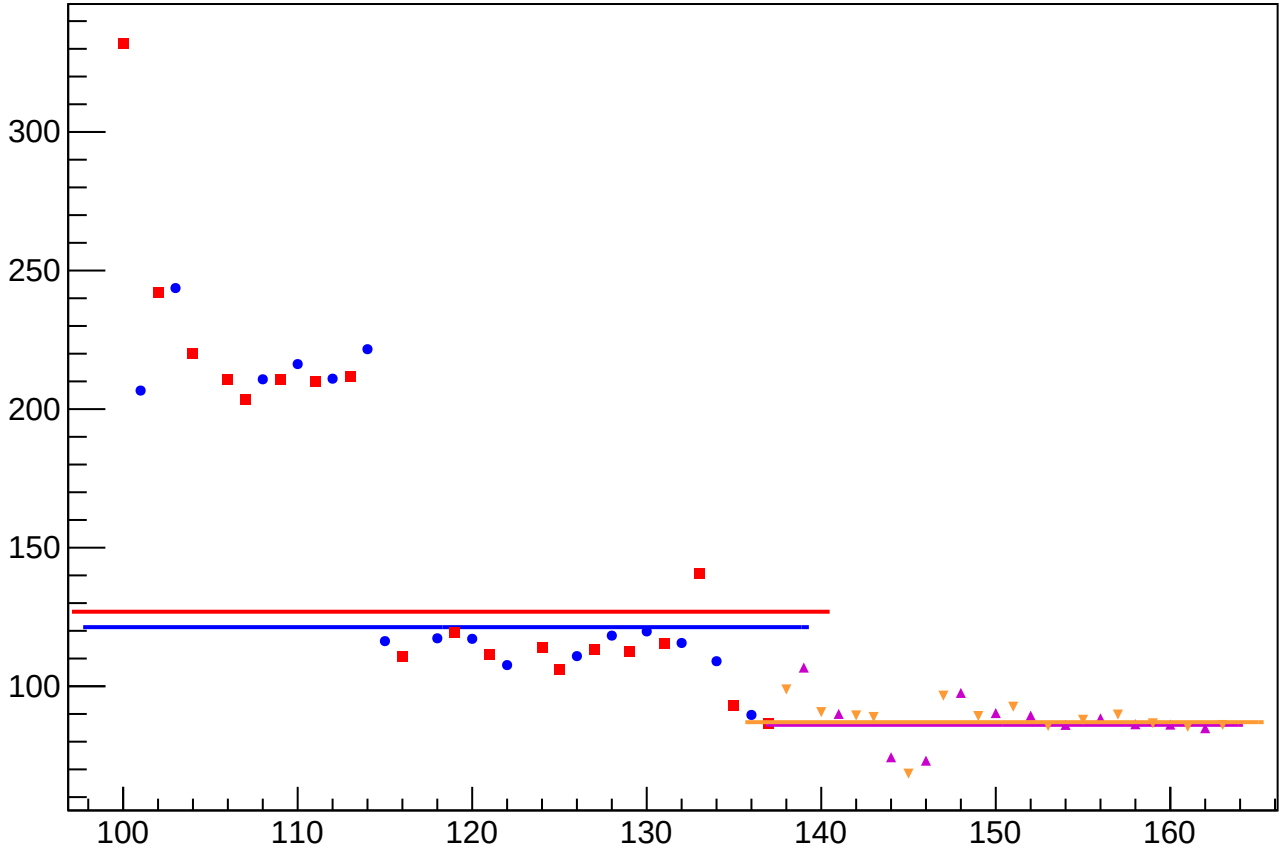
Left In: -90.335+/-27.021 χ^2/NDF:11.7/11

+ sign 42.022+/-22.968 χ^2/NDF: 53.7/29

All: -19.574+/-16.493 χ^2/NDF: 96.4/60

- sign -85.153+/-23.699 χ^2/NDF: 27.9/30

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

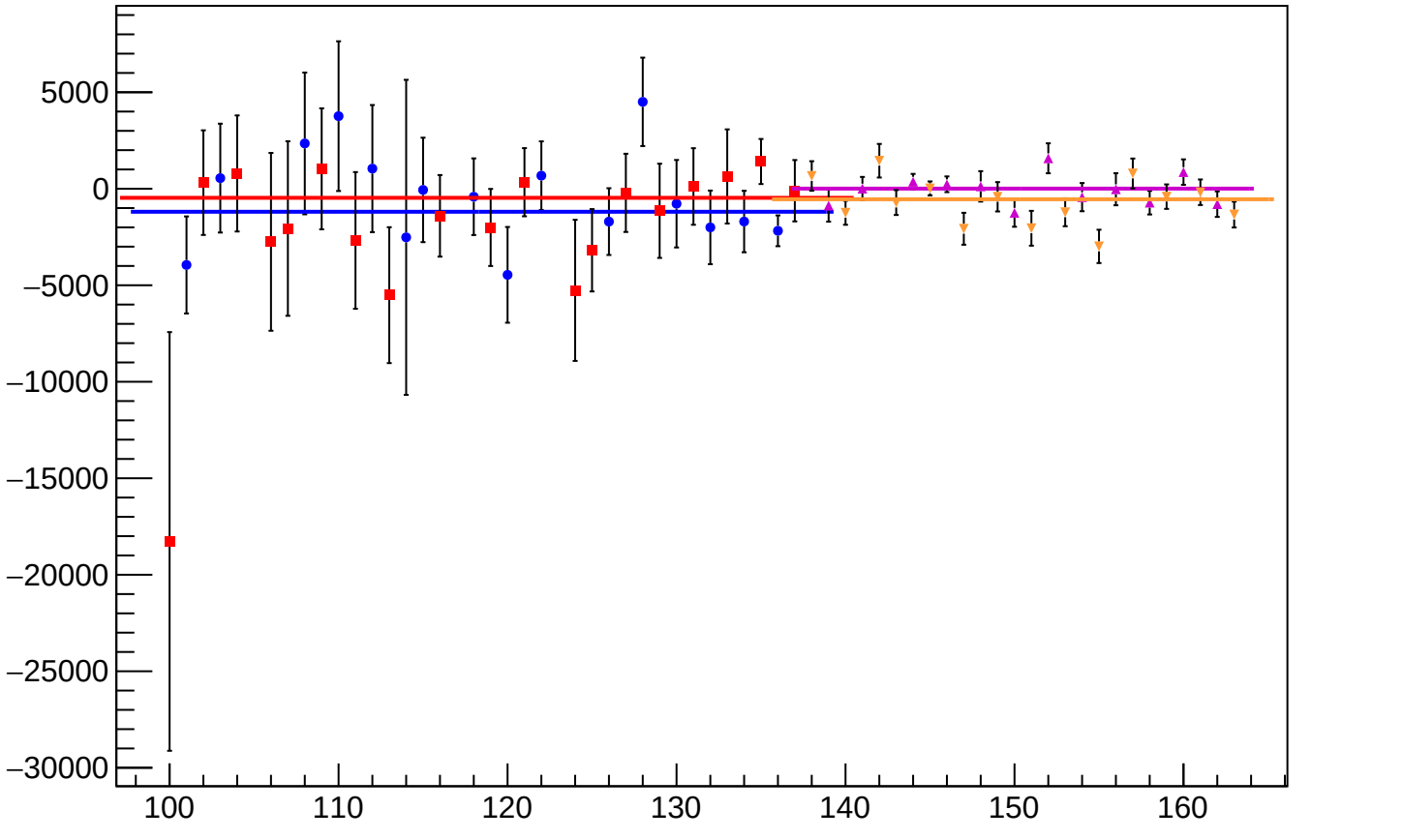
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

+ sign 95.011+/-0.016 χ^2/NDF: 2248831.7/29

All: 95.249+/-0.012 χ^2/NDF: 4962118.5/60

- sign 95.502+/-0.017 χ^2/NDF: 2712844.7/30



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

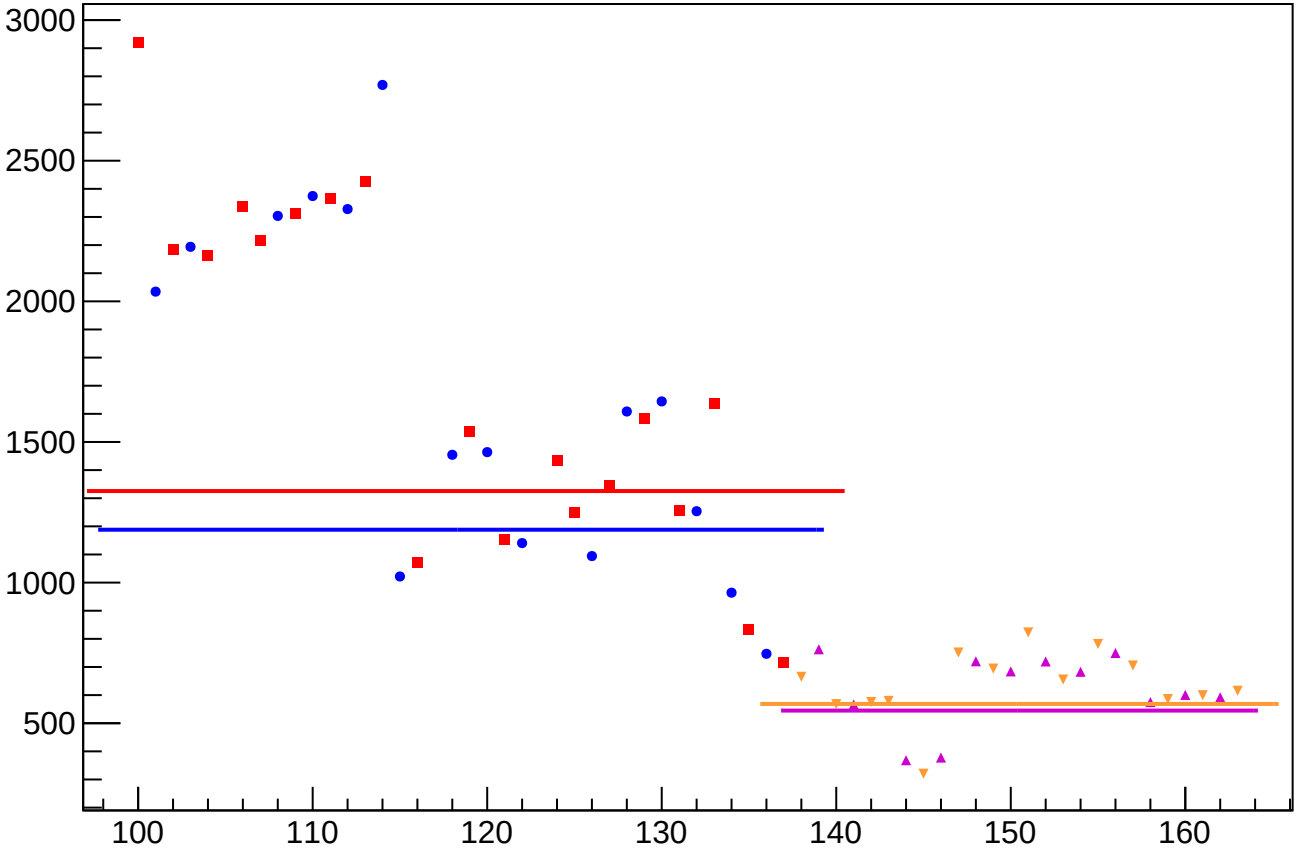
Left In: 7.260+/-176.601 χ^2/NDF:14.3/11

\+ sign -622.353+/-165.905 χ^2/NDF: 48.8/29

All: -334.443+/-117.800 χ^2/NDF: 83.3/60

\- sign -41.694+/-167.293 χ^2/NDF: 28.4/30

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

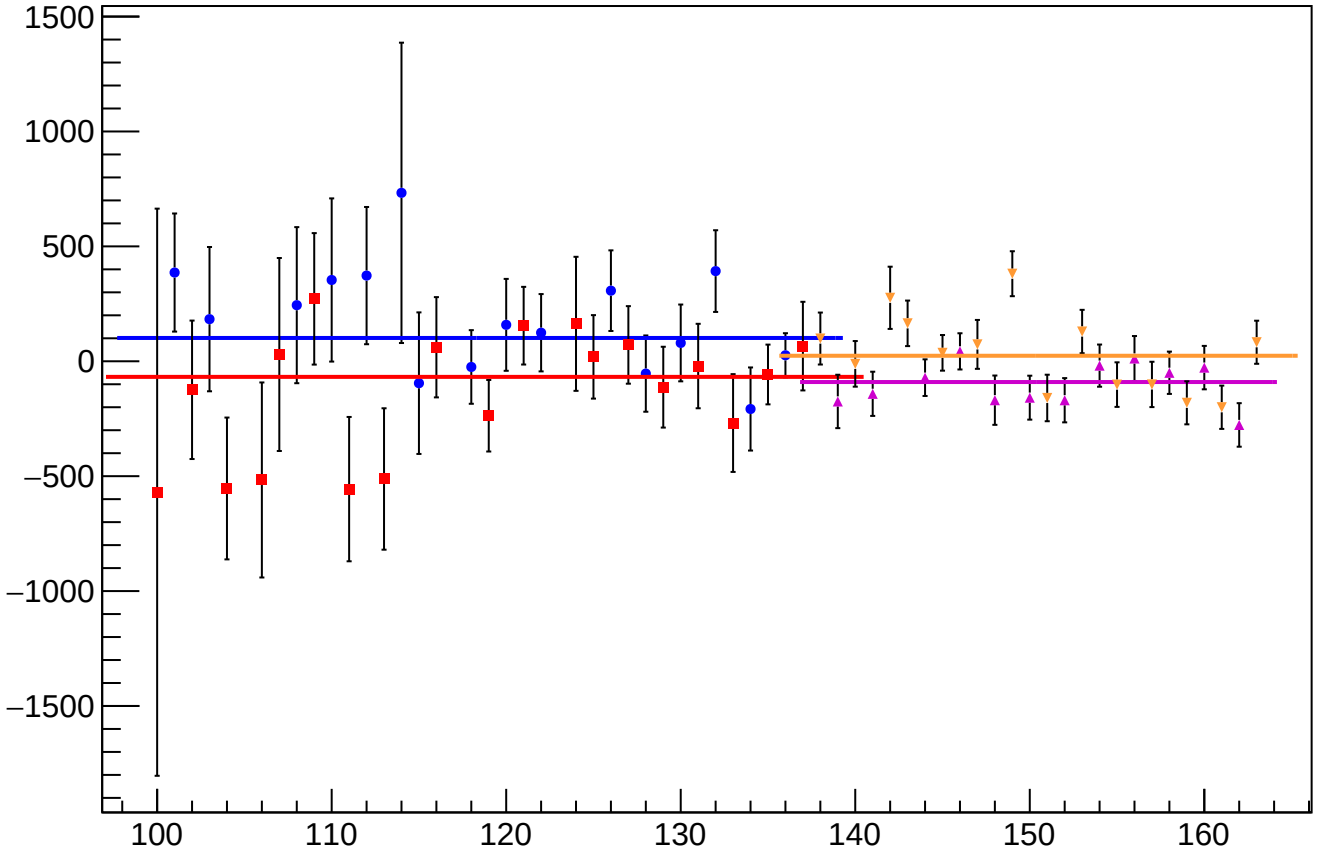
Left In: 545.015+/-0.125 χ^2/NDF:1354649.4/11

+ sign 642.956+/-0.117 χ^2/NDF: 6500024.5/29

All: 634.114+/-0.083 χ^2/NDF: 13796918.4/60

- sign 625.123+/-0.118 χ^2/NDF: 7285436.7/30

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

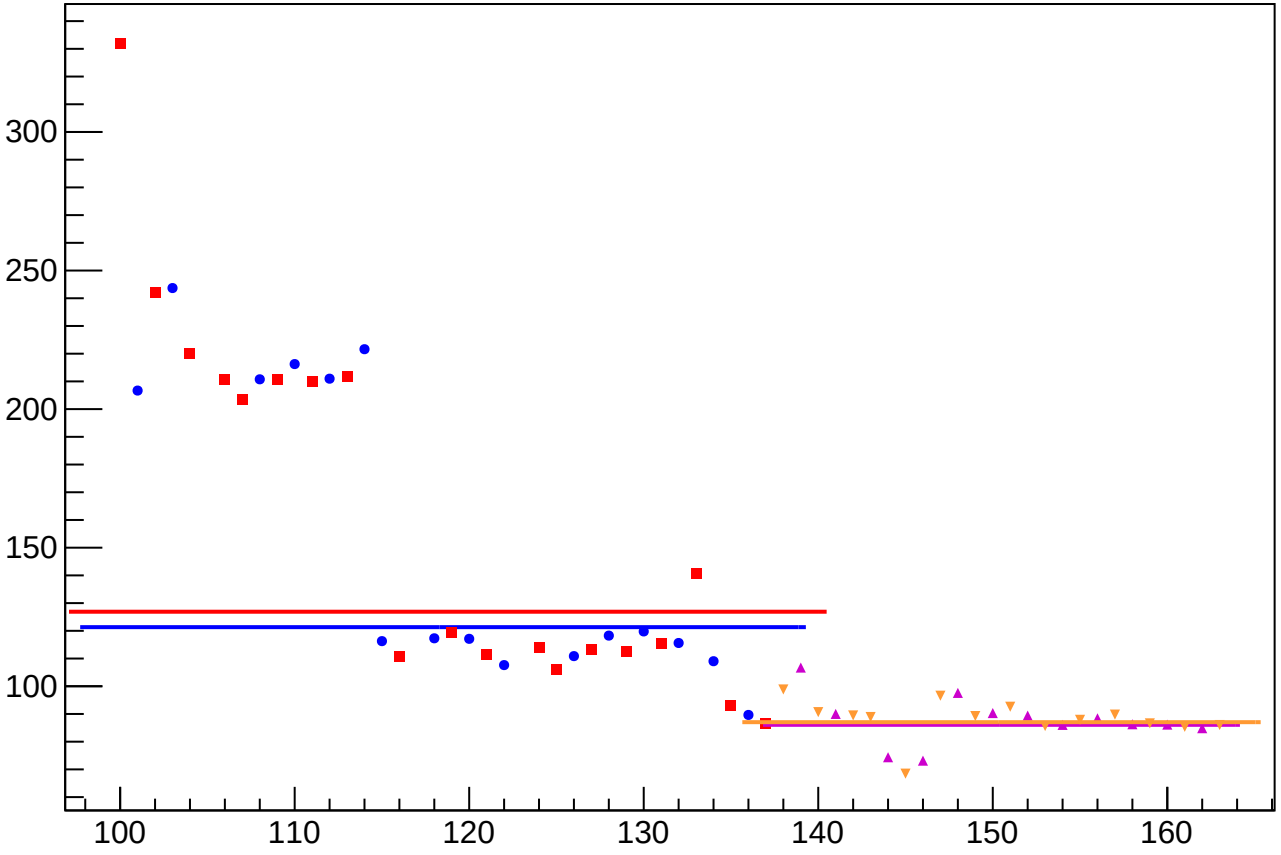
Left In: -90.335+/-27.021 χ^2/NDF:11.7/11

+ sign 42.022+/-22.968 χ^2/NDF: 53.7/29

All: -19.574+/-16.493 χ^2/NDF: 96.4/60

- sign -85.153+/-23.699 χ^2/NDF: 27.9/30

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

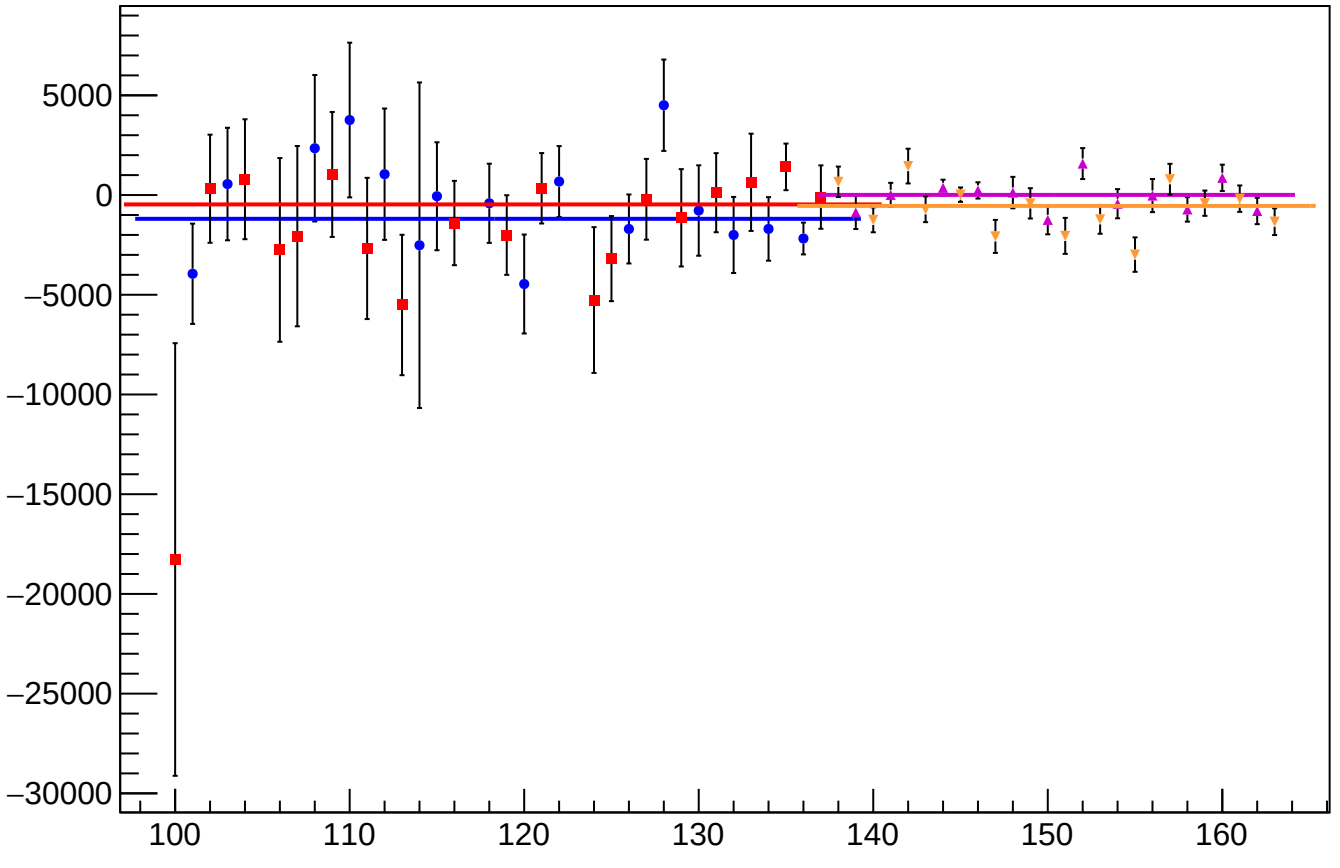
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

+ sign 95.011+/-0.016 χ^2/NDF: 2248831.7/29

All: 95.249+/-0.012 χ^2/NDF: 4962118.5/60

- sign 95.502+/-0.017 χ^2/NDF: 2712844.7/30



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

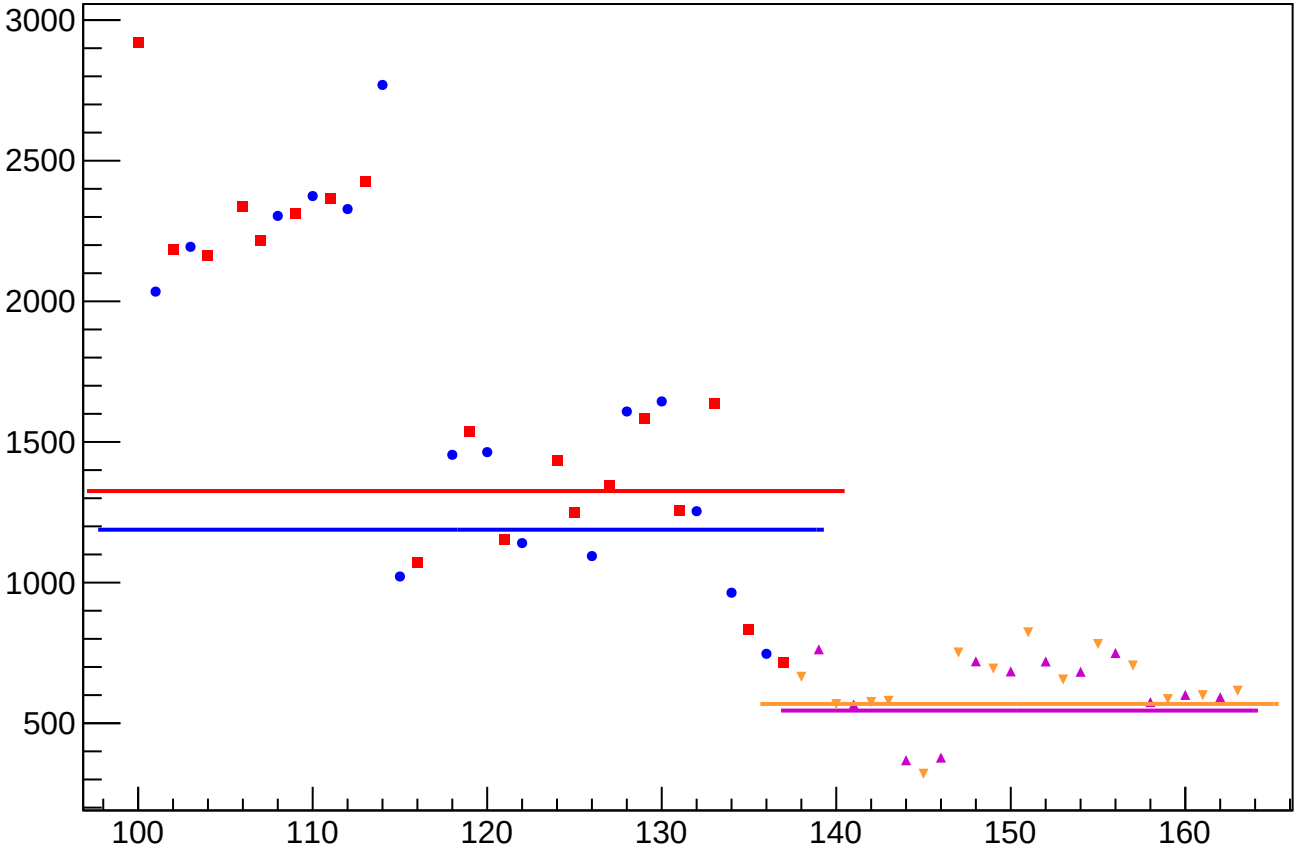
Left In: 7.260+/-176.601 χ^2/NDF:14.3/11

+ sign -622.353+/-165.905 χ^2/NDF: 48.8/29

All: -334.443+/-117.800 χ^2/NDF: 83.3/60

- sign -41.694+/-167.293 χ^2/NDF: 28.4/30

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

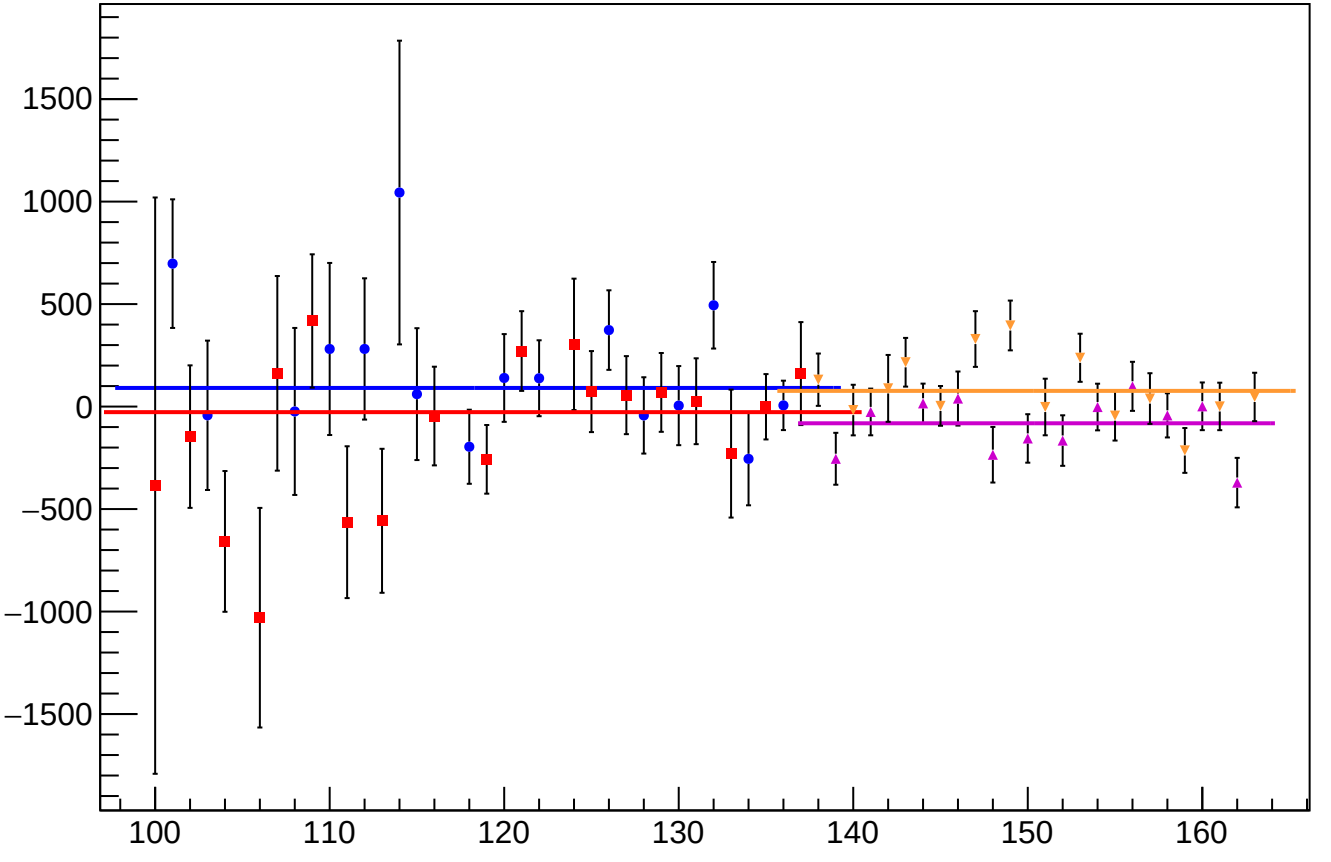
Left In: 545.015+/-0.125 χ^2/NDF:1354649.4/11

+ sign 642.956+/-0.117 χ^2/NDF: 6500024.5/29

All: 634.114+/-0.083 χ^2/NDF: 13796918.4/60

- sign 625.123+/-0.118 χ^2/NDF: 7285436.7/30

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

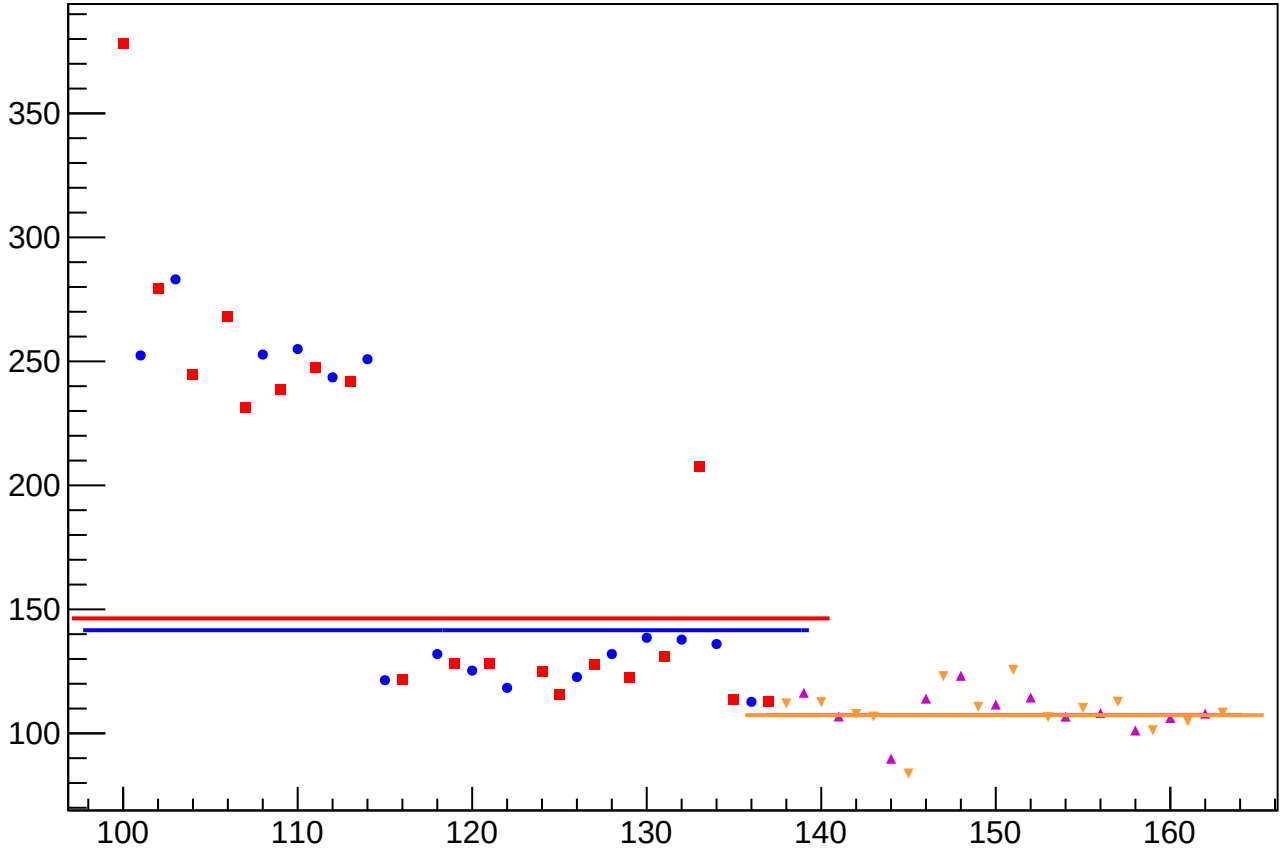
Left In: -81.506+/-33.860 χ^2/NDF:15.2/11

+ sign 80.205+/-27.996 χ^2/NDF: 42.1/29

All: 9.319+/-20.179 χ^2/NDF: 91.9/60

- sign -67.339+/-29.113 χ^2/NDF: 36.5/30

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.346+/-0.023 χ^2/NDF:200045.1/13

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

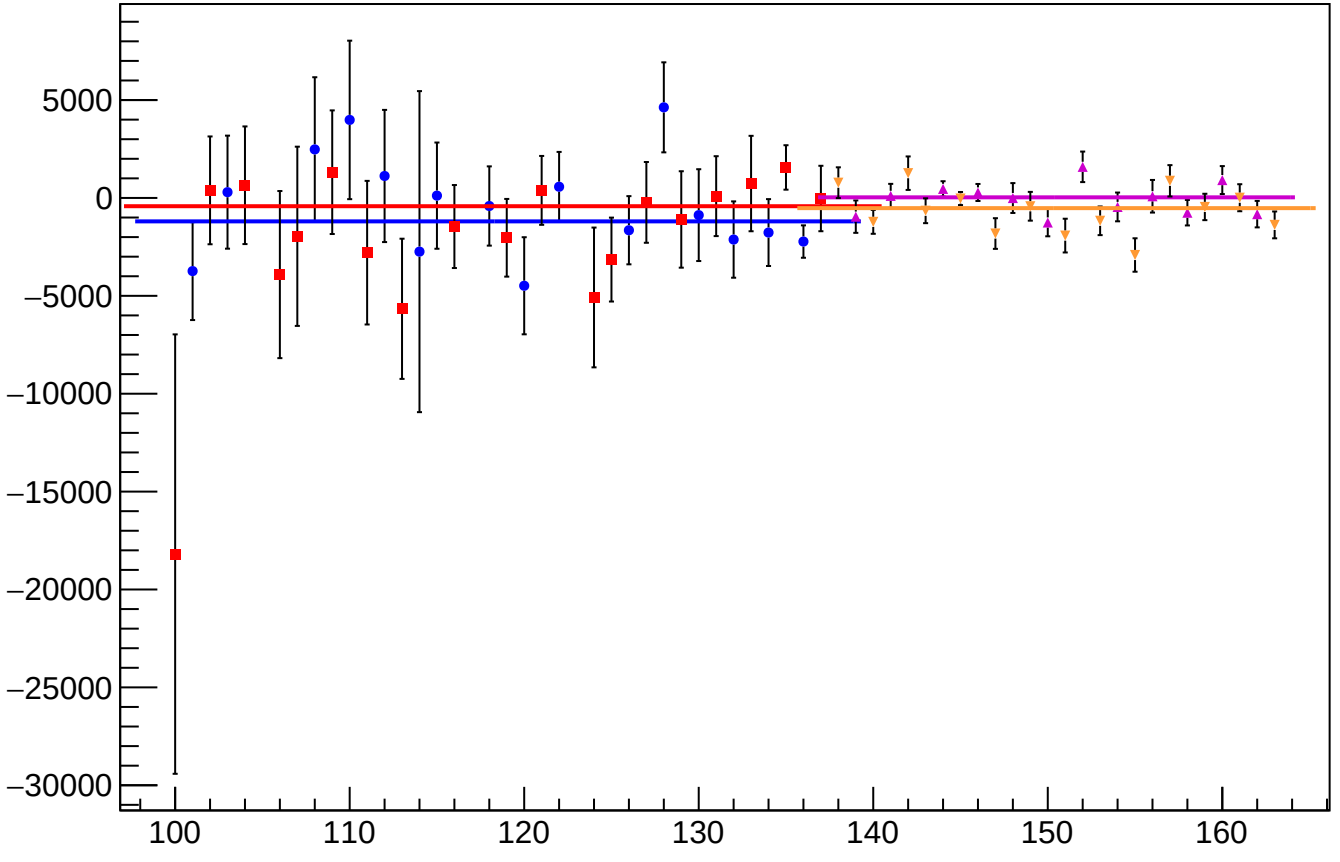
Left In: 107.452+/-0.024 χ^2/NDF:125639.8/11

+ sign 116.038+/-0.020 χ^2/NDF: 2029092.1/29

All: 116.788+/-0.014 χ^2/NDF: 4360195.5/60

- sign 117.599+/-0.021 χ^2/NDF: 2328115.0/30

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -520.581+/-173.582 χ^2/NDF:29.9/13

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

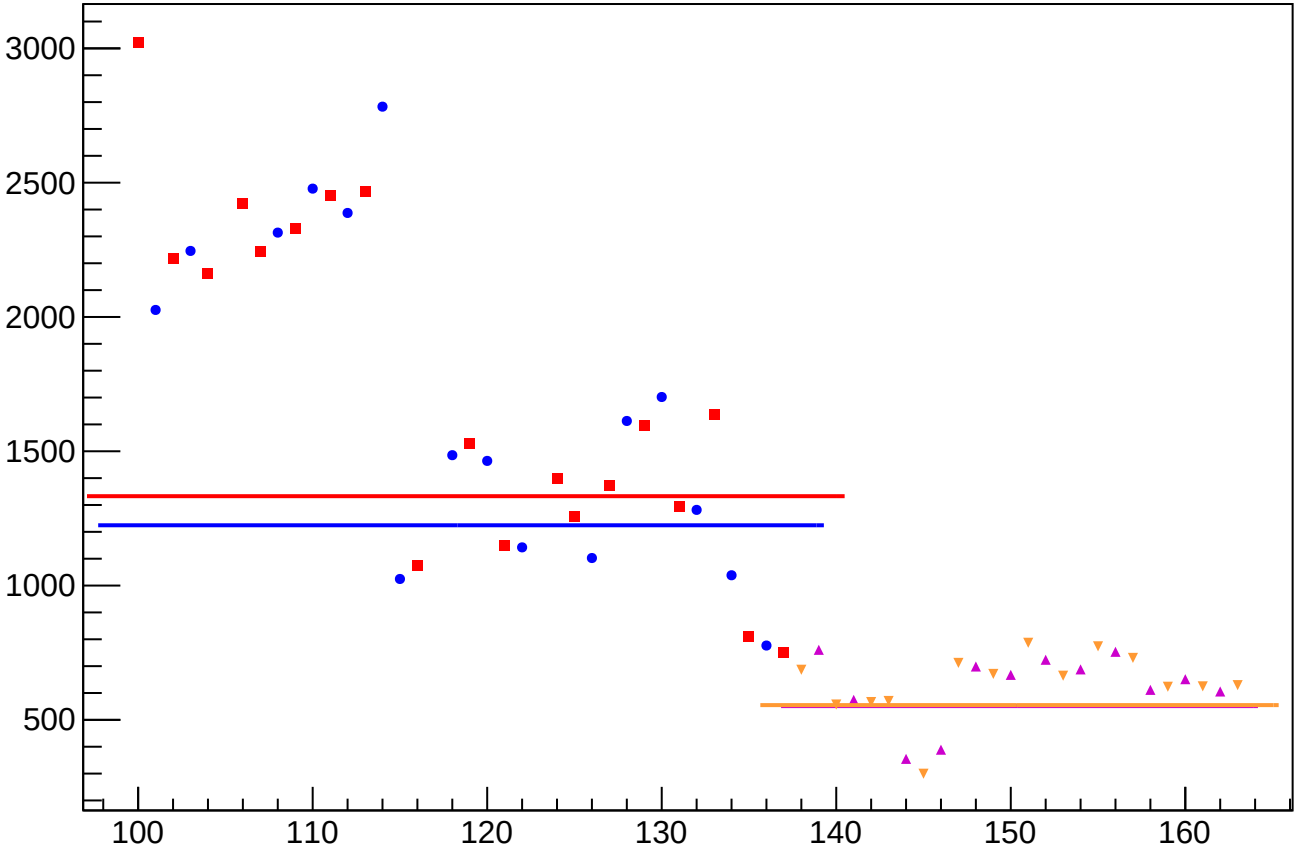
Left In: 30.973+/-179.290 χ^2/NDF:15.3/11

+ sign -595.587+/-163.670 χ^2/NDF: 47.5/29

All: -316.414+/-117.783 χ^2/NDF: 83.8/60

- sign -16.543+/-169.629 χ^2/NDF: 30.3/30

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 554.929+/-0.123 χ^2/NDF:1840215.0/13

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

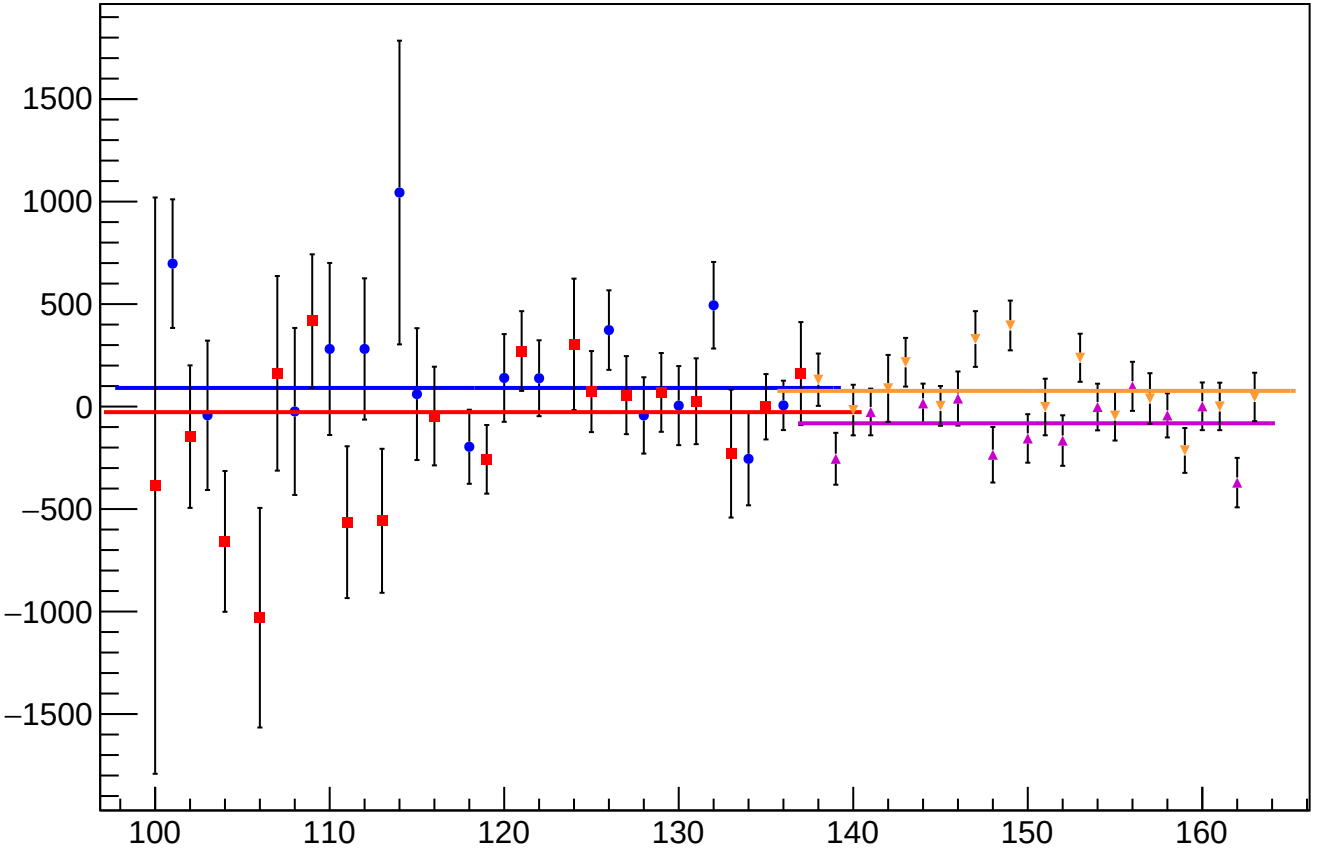
Left In: 551.245+/-0.127 χ^2/NDF:1397568.8/11

+ sign 629.209+/-0.116 χ^2/NDF: 7100781.2/29

All: 631.132+/-0.083 χ^2/NDF: 14478798.1/60

- sign 633.198+/-0.120 χ^2/NDF: 7377444.2/30

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

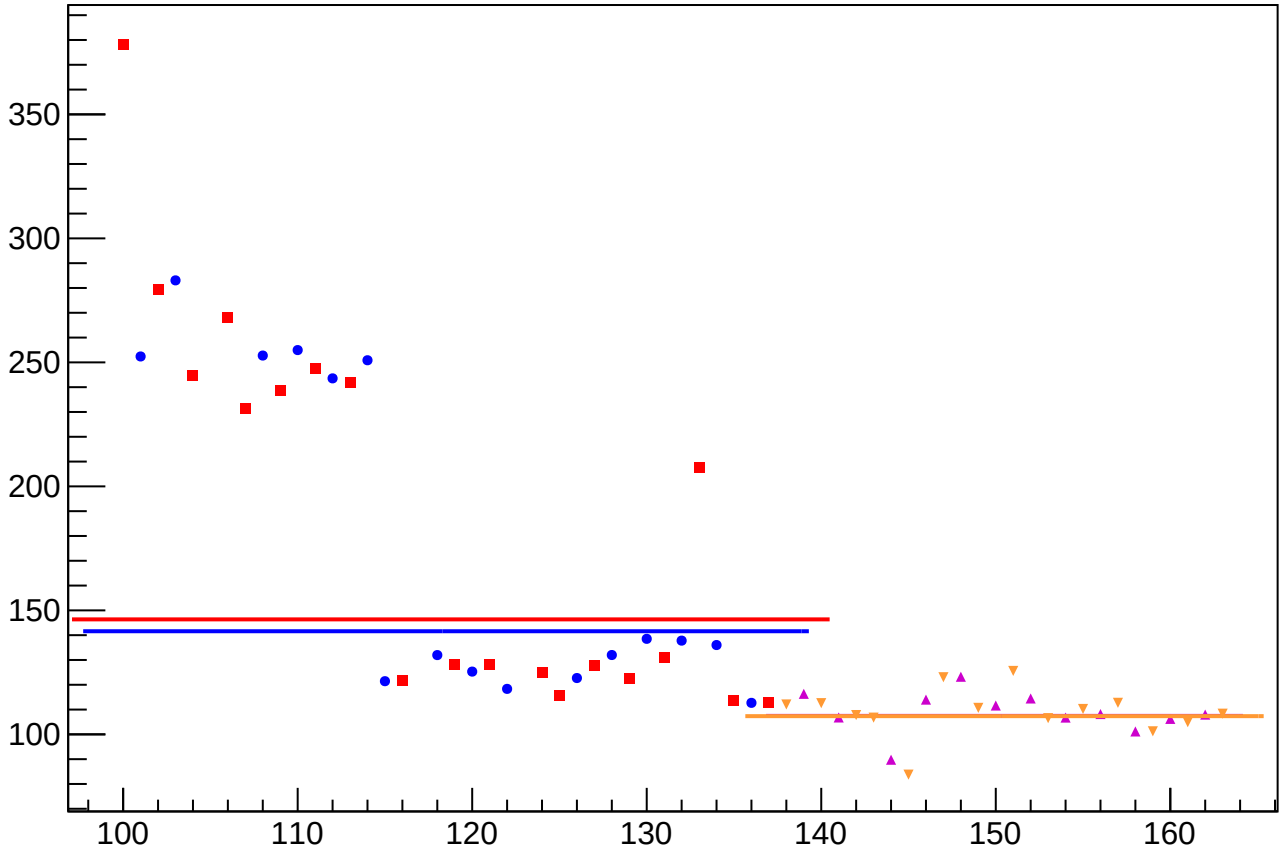
Left In: -81.504+/-33.860 χ^2/NDF:15.2/11

+ sign 80.206+/-27.996 χ^2/NDF: 42.1/29

All: 9.320+/-20.180 χ^2/NDF: 91.9/60

- sign -67.337+/-29.113 χ^2/NDF: 36.5/30

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.346+/-0.023 χ^2/NDF:200038.0/13

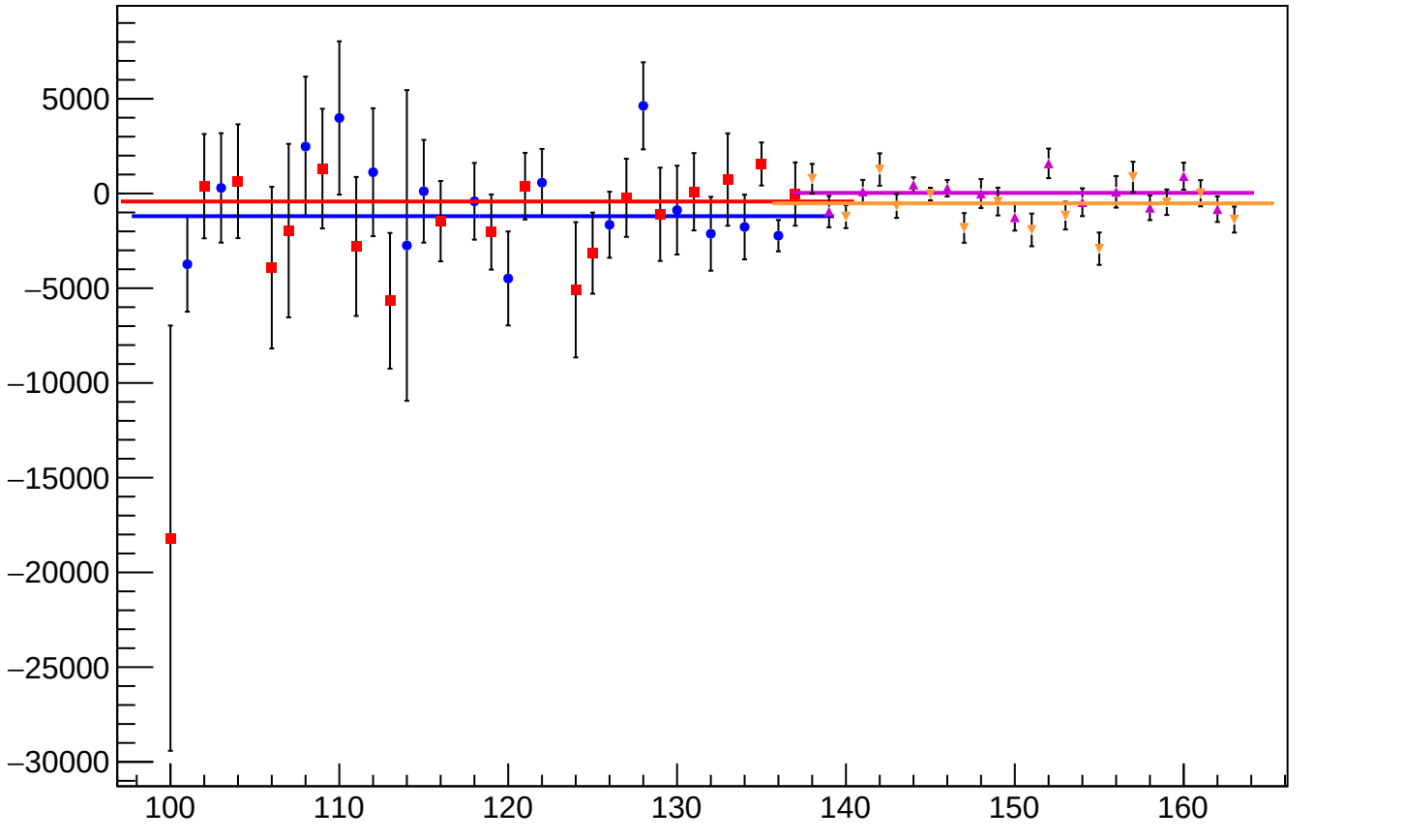
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.453+/-0.024 χ^2/NDF:125638.5/11

+ sign 116.038+/-0.020 χ^2/NDF: 2029037.7/29

All: 116.788+/-0.014 χ^2/NDF: 4360102.7/60

- sign 117.599+/-0.021 χ^2/NDF: 2328076.6/30



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -520.578+/-173.582 χ^2/NDF:29.9/13

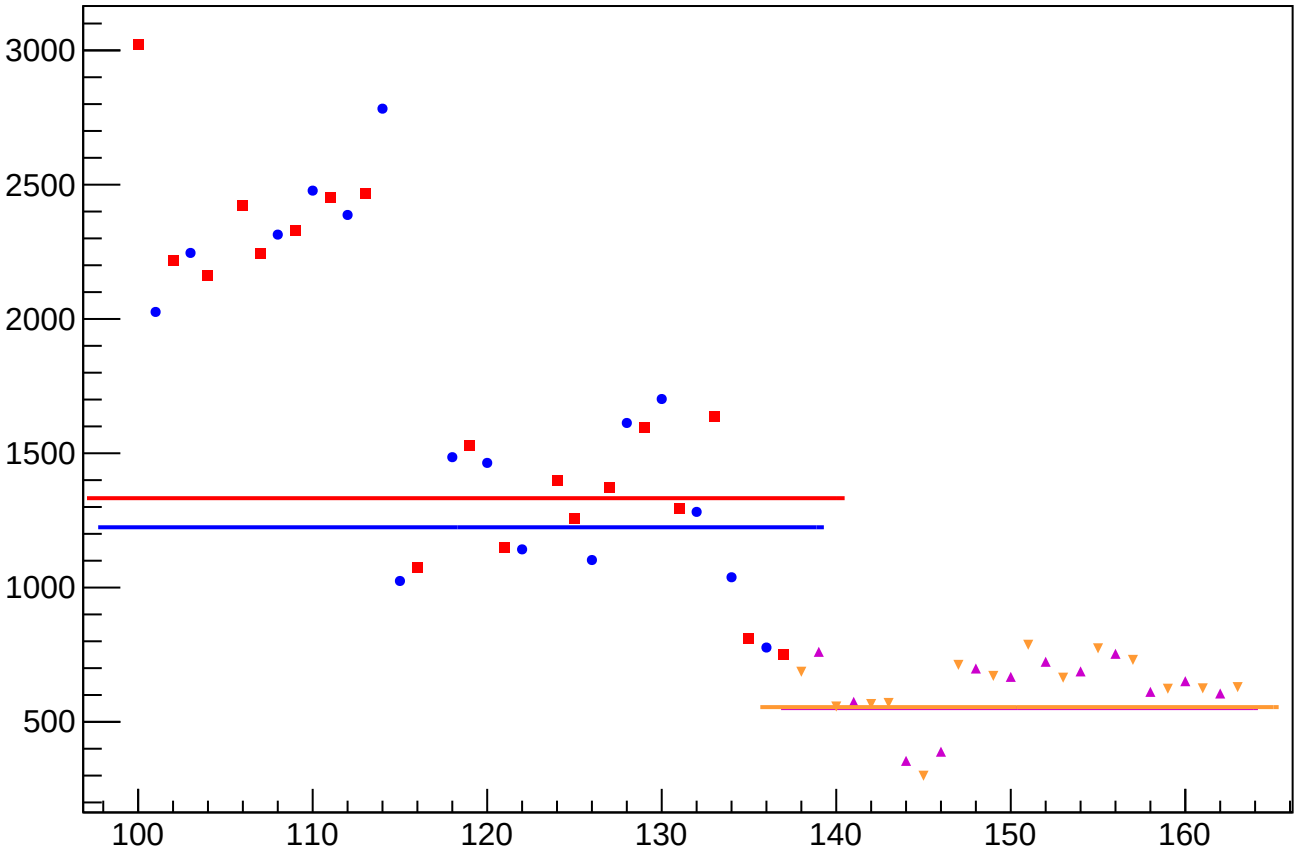
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 30.973+/-179.289 χ^2/NDF:15.3/11

+ sign -595.584+/-163.670 χ^2/NDF: 47.5/29

All: -316.413+/-117.782 χ^2/NDF: 83.8/60

- sign -16.543+/-169.629 χ^2/NDF: 30.3/30



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 554.927+/-0.123 χ^2/NDF:1840264.4/13

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

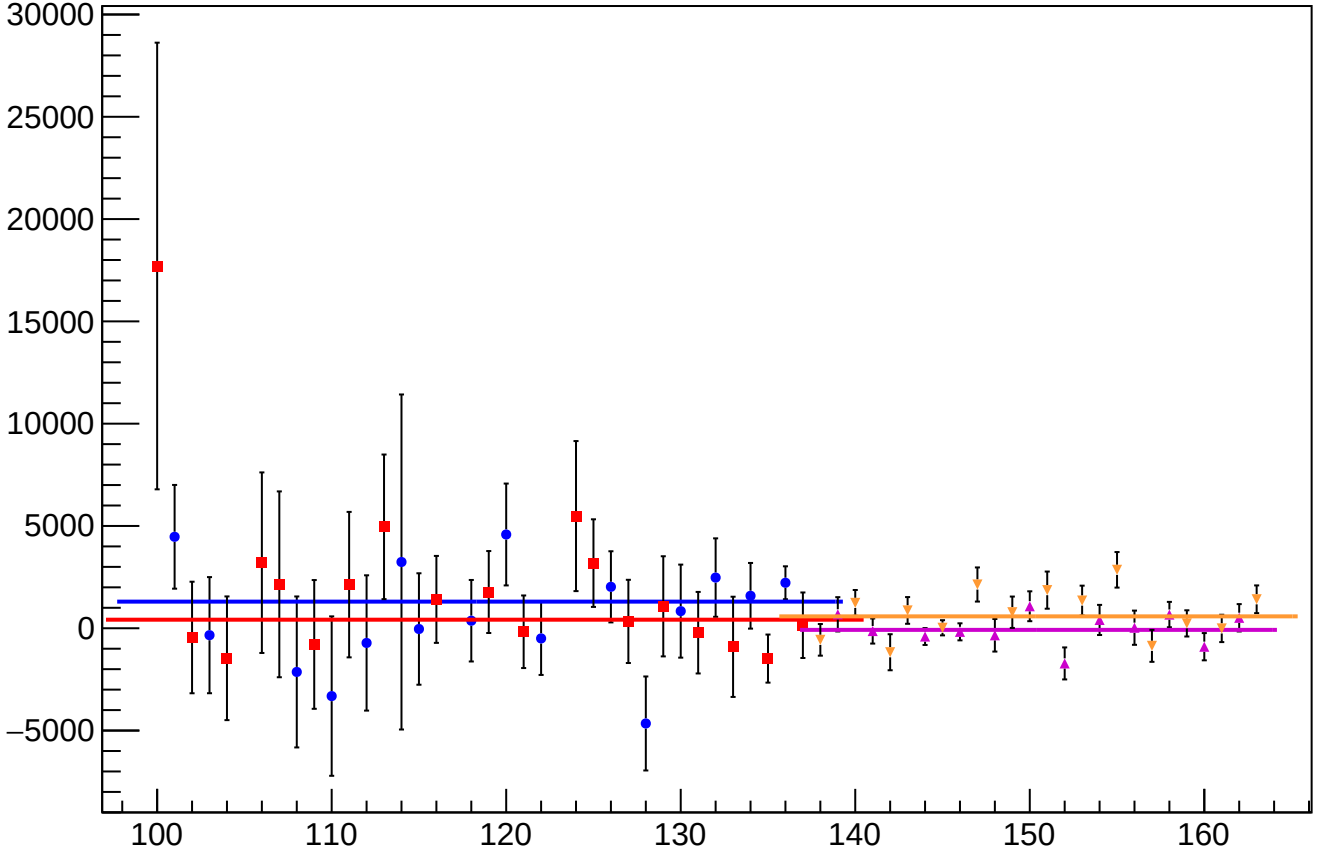
Left In: 551.244+/-0.127 χ^2/NDF:1397586.6/11

+ sign 629.208+/-0.116 χ^2/NDF: 7100831.3/29

All: 631.131+/-0.083 χ^2/NDF: 14478862.3/60

- sign 633.197+/-0.120 χ^2/NDF: 7377458.1/30

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 581.191+/-179.216 χ^2/NDF:29.2/13

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

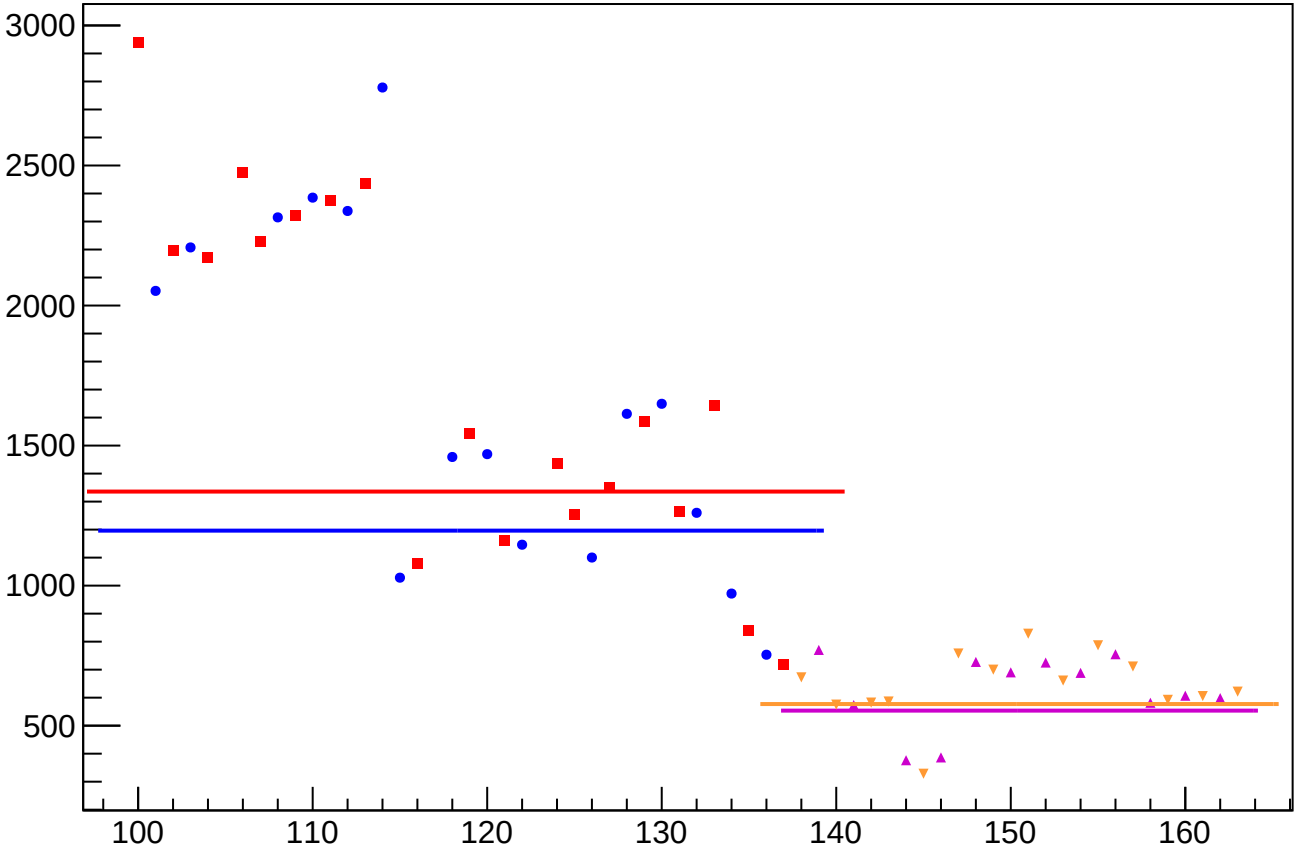
Left In: -79.303+/-179.130 χ^2/NDF:12.7/11

+ sign 668.705+/-167.978 χ^2/NDF: 47.7/29

All: 323.861+/-119.319 χ^2/NDF: 82.7/60

- sign -27.330+/-169.517 χ^2/NDF: 26.6/30

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 577.181+/-0.127 χ^2/NDF:1443104.5/13

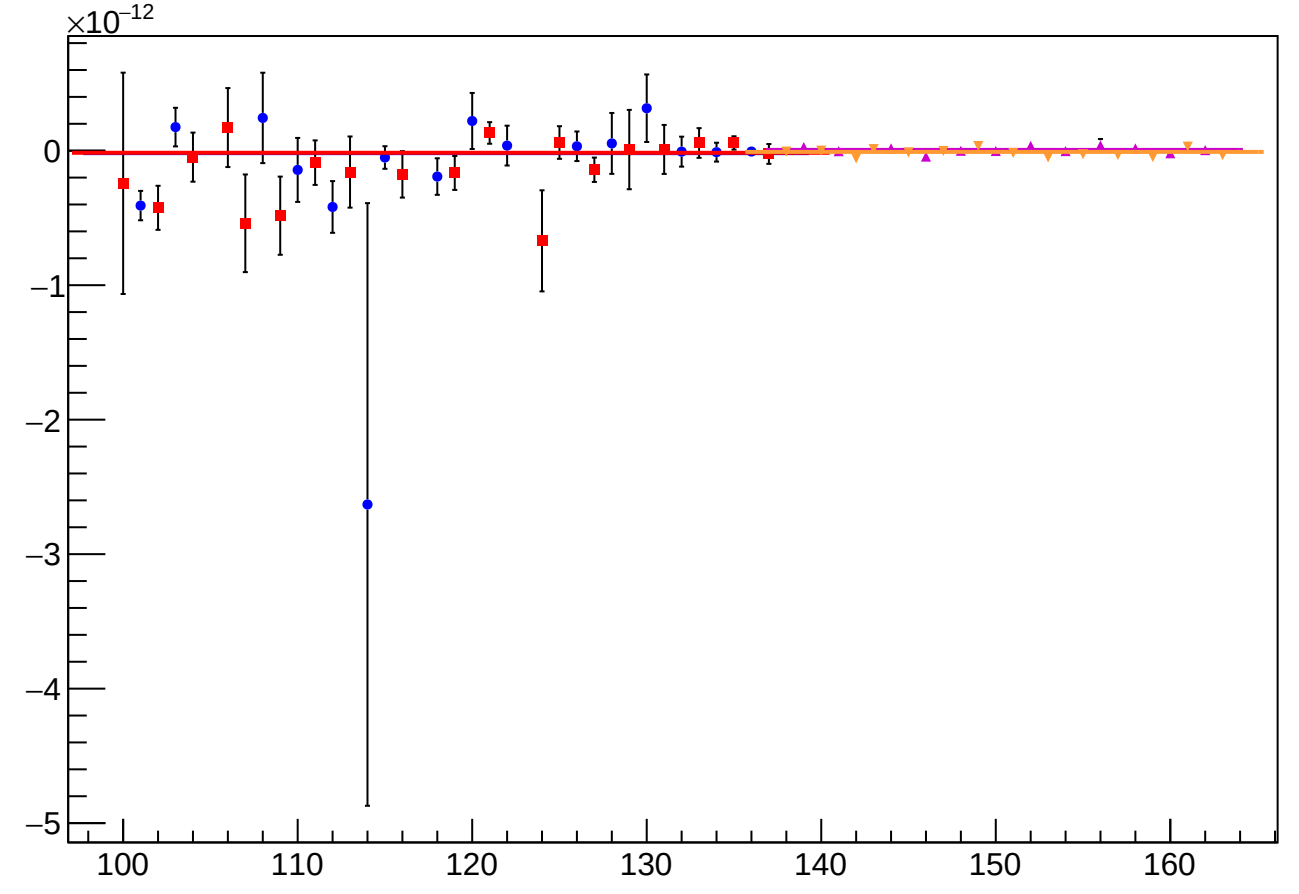
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 553.731+/-0.127 χ^2/NDF:1296443.7/11

+ sign 652.394+/-0.119 χ^2/NDF: 6374744.5/29

All: 643.984+/-0.084 χ^2/NDF: 13614798.4/60

- sign 635.419+/-0.120 χ^2/NDF: 7229934.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

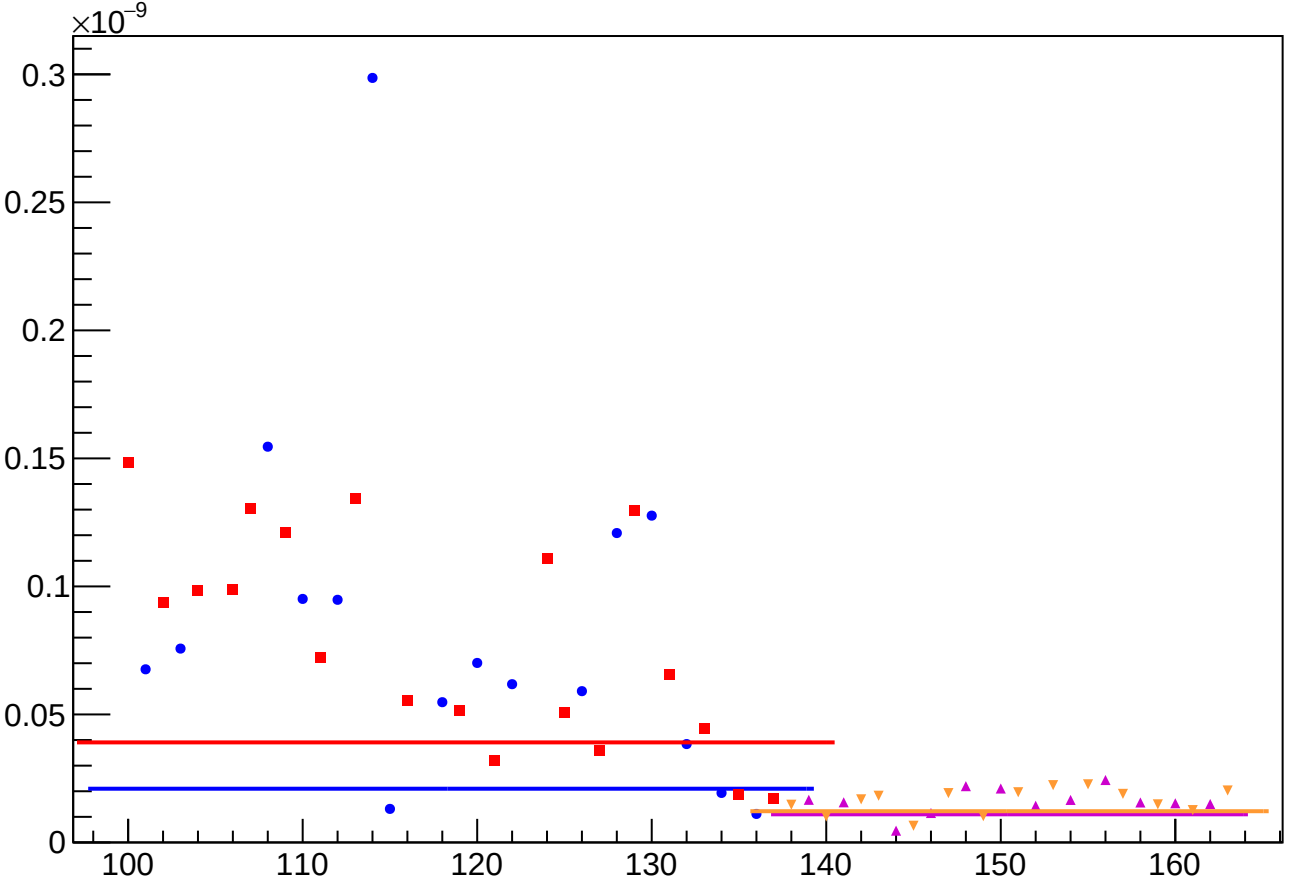
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/29

All: -0.000+/-0.000 χ^2/NDF: 83.2/60

- sign 0.000+/-0.000 χ^2/NDF: 38.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1469639.9/13

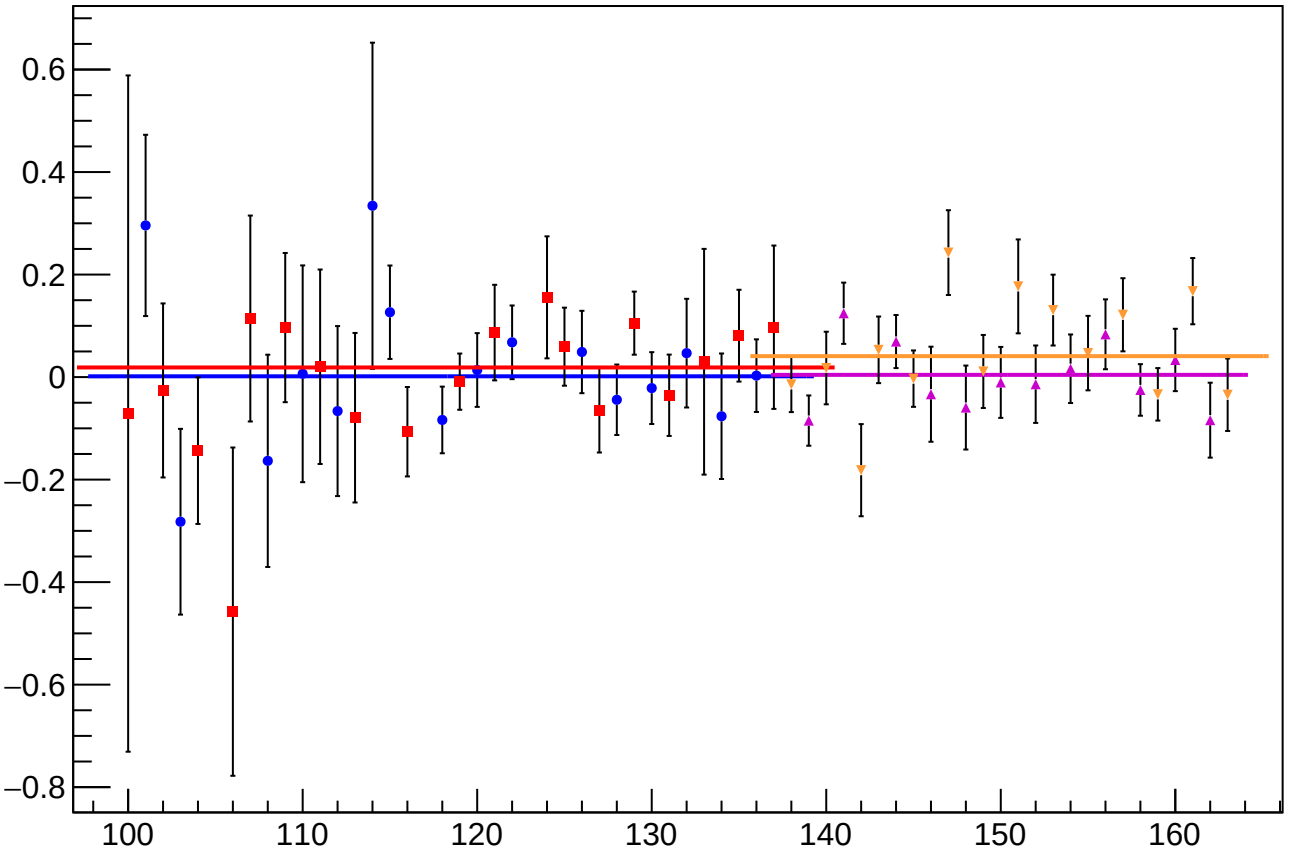
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1847306.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 5284641.5/29

All: 0.000+/-0.000 χ^2/NDF: 11197612.0/60

- sign 0.000+/-0.000 χ^2/NDF: 5895129.3/30



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

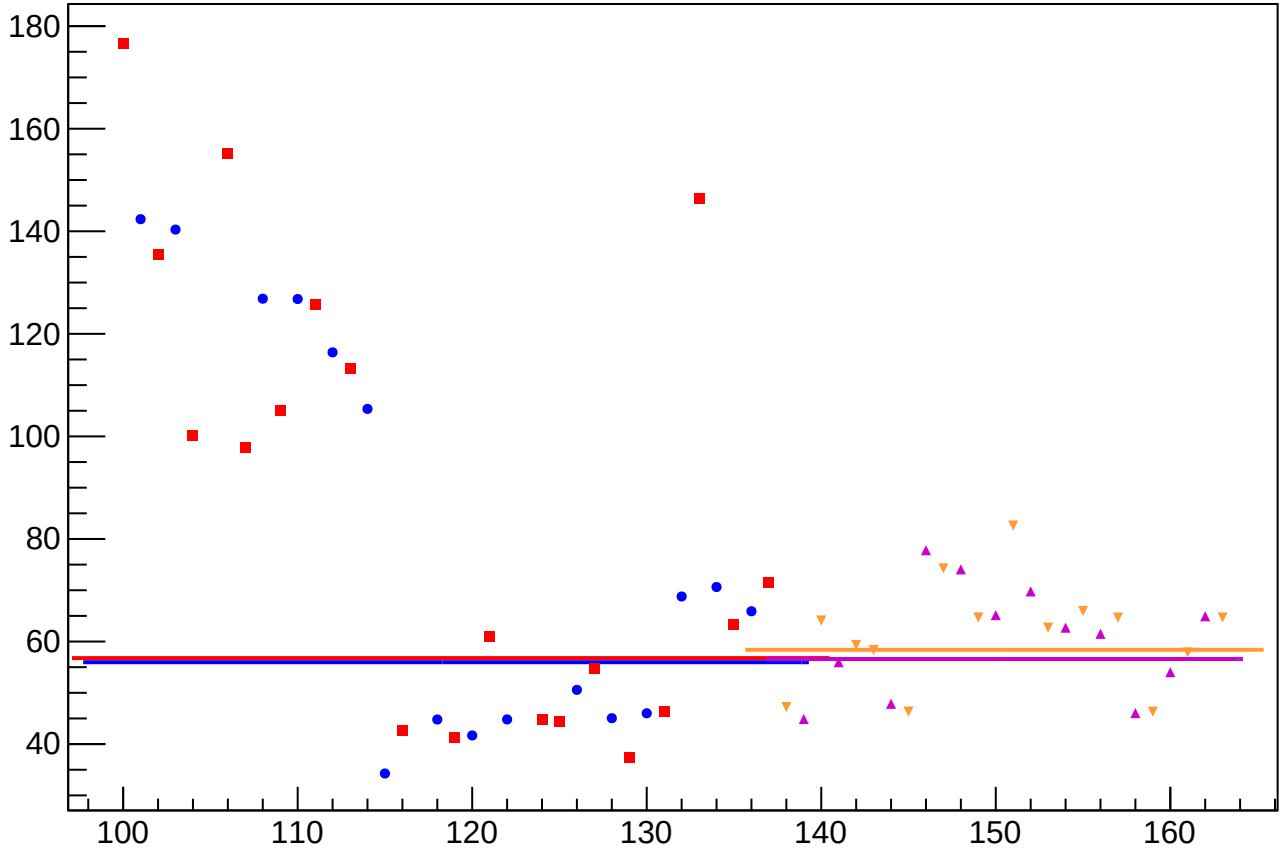
Left In: 0.004+/-0.018 χ^2/NDF:13.2/11

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.018+/-0.010 χ^2/NDF: 68.4/60

- sign 0.010+/-0.014 χ^2/NDF: 26.5/30

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: 58.391+/-0.013 χ^2/NDF:595973.6/13

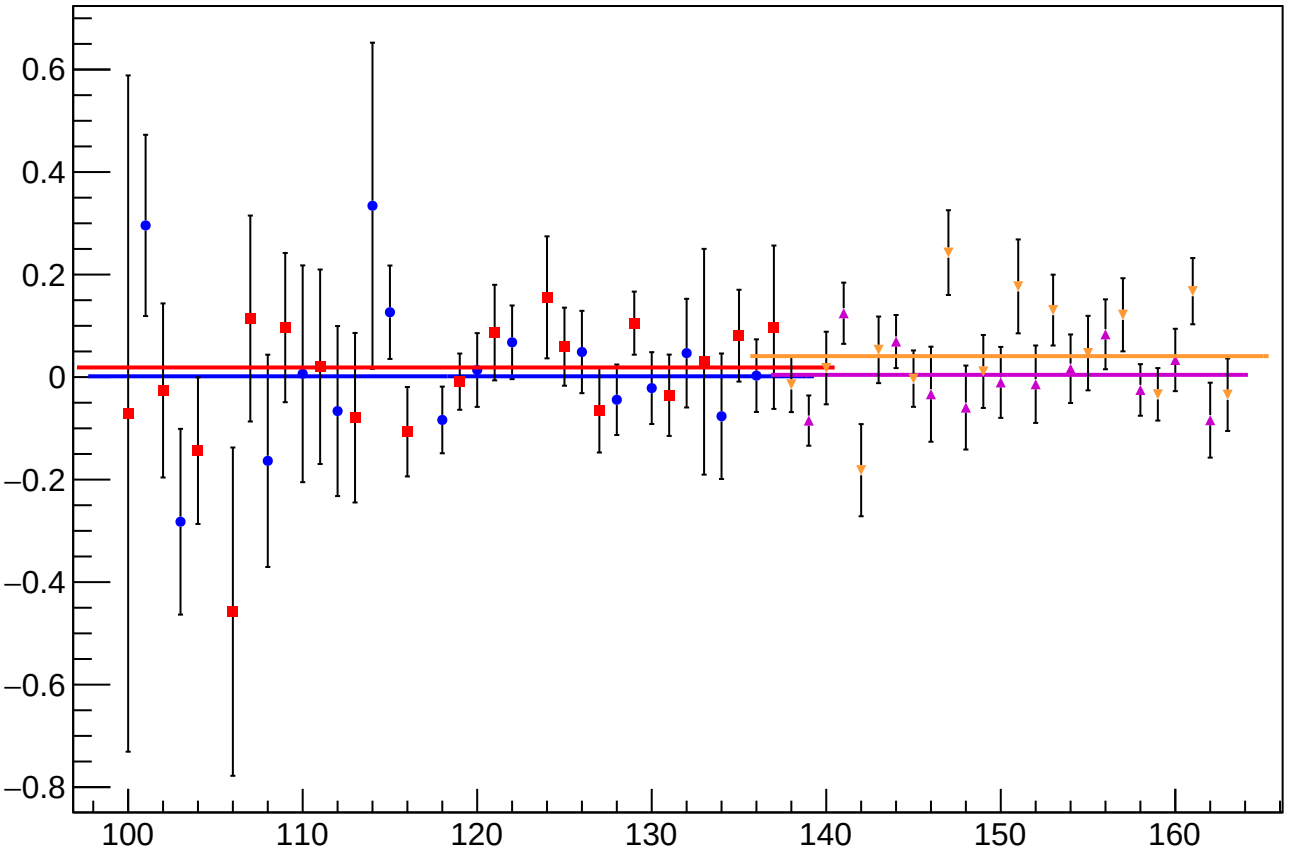
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.593+/-0.013 χ^2/NDF:602816.9/11

+ sign 57.496+/-0.010 χ^2/NDF: 2789299.1/29

All: 57.083+/-0.007 χ^2/NDF: 5948820.7/60

- sign 56.659+/-0.010 χ^2/NDF: 3156111.7/30



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

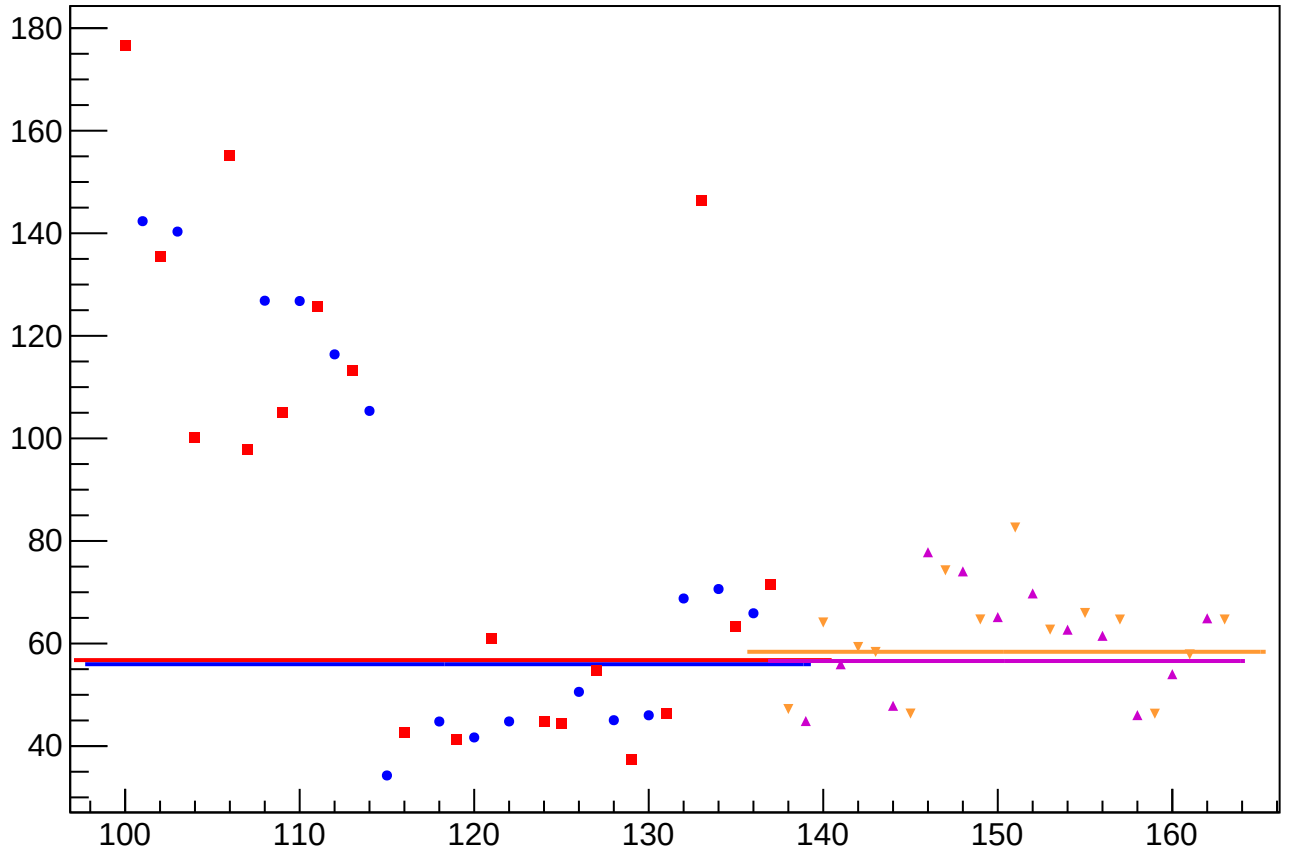
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.004+/-0.018 χ^2/NDF:13.2/11

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.018+/-0.010 χ^2/NDF: 68.4/60

- sign 0.010+/-0.014 χ^2/NDF: 26.5/30



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.391+/-0.013 χ^2/NDF:595973.6/13

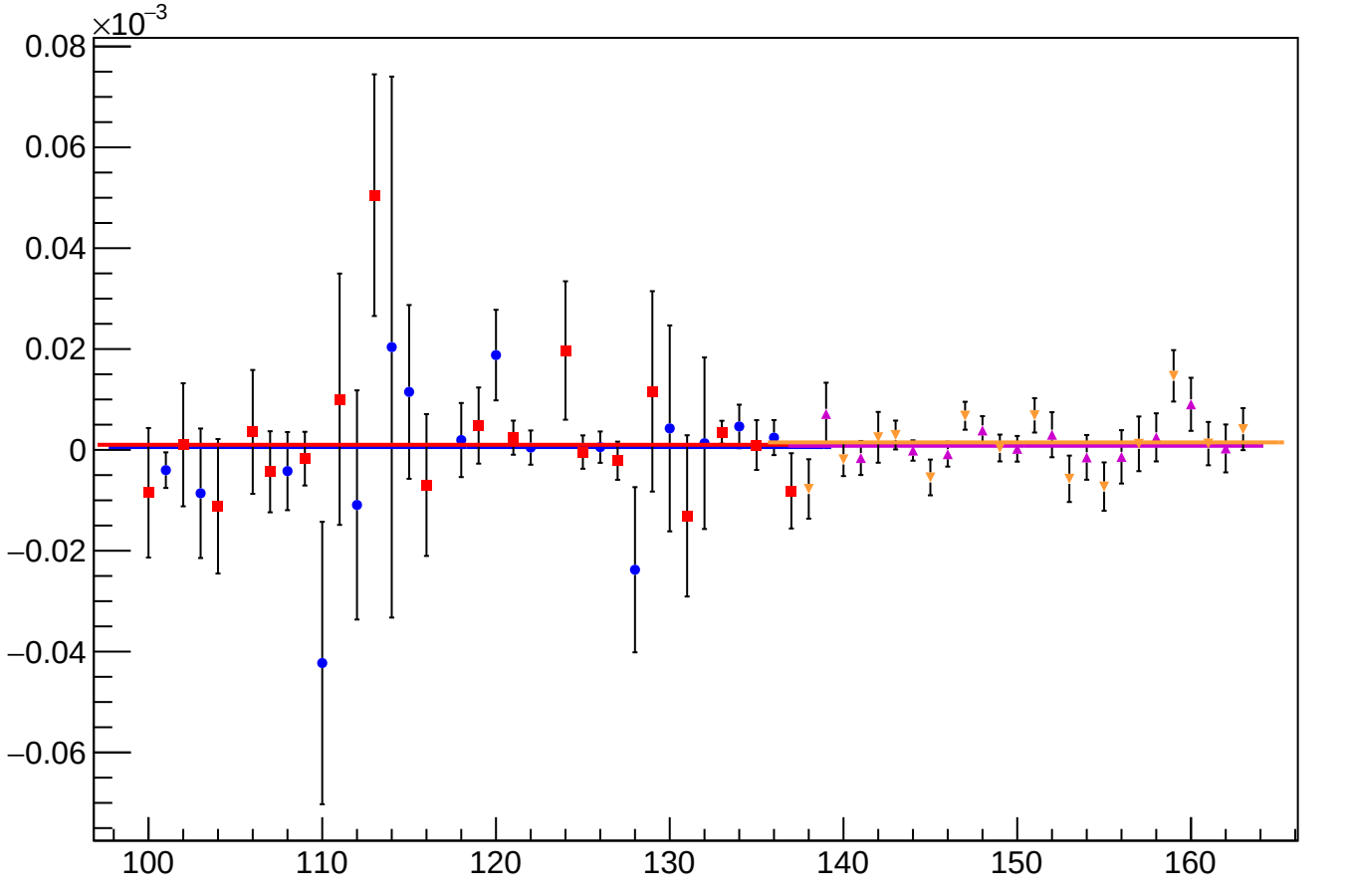
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.593+/-0.013 χ^2/NDF:602816.9/11

+ sign 57.496+/-0.010 χ^2/NDF: 2789299.1/29

All: 57.083+/-0.007 χ^2/NDF: 5948820.7/60

- sign 56.659+/-0.010 χ^2/NDF: 3156111.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/13

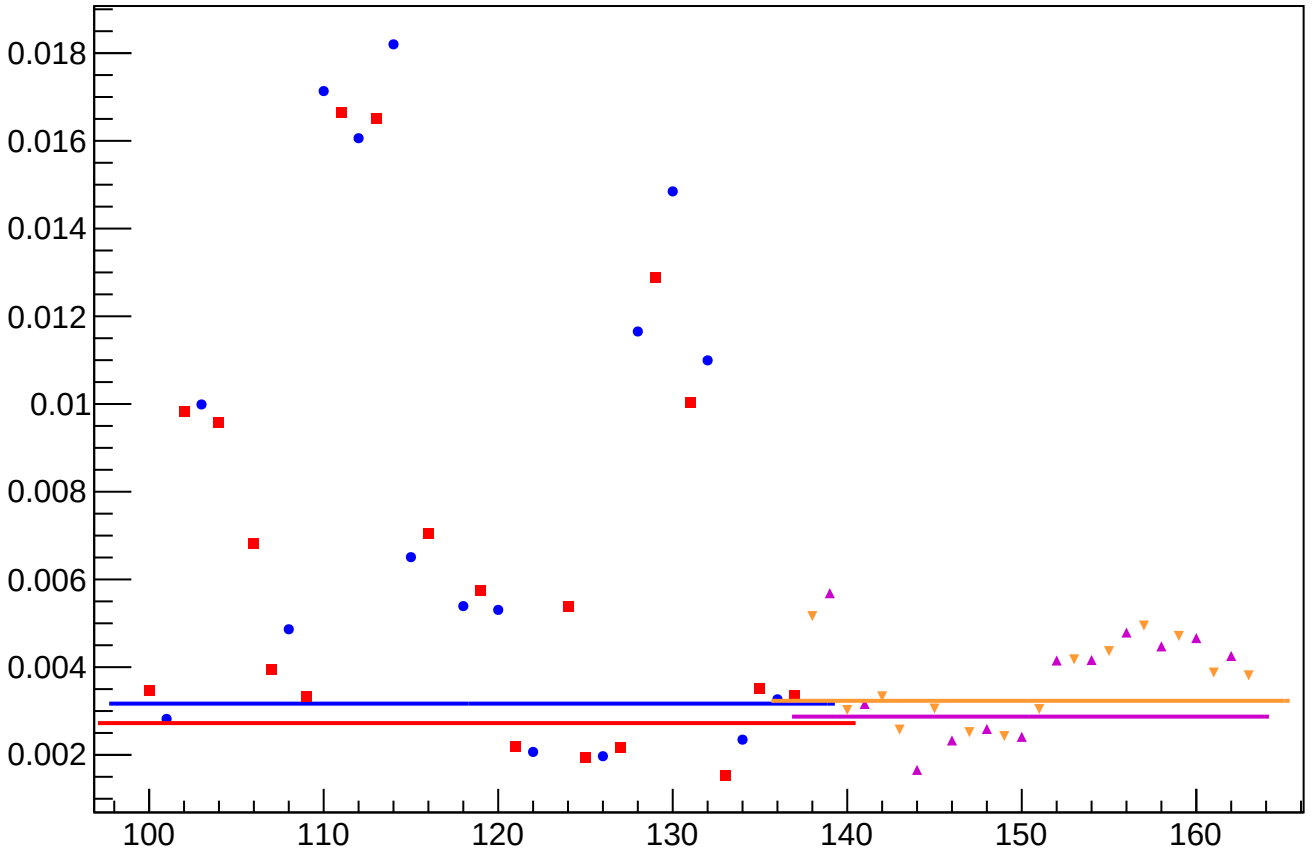
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/29

All: 0.000+/-0.000 χ^2/NDF: 61.0/60

- sign 0.000+/-0.000 χ^2/NDF: 20.5/30



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1304334.8/13

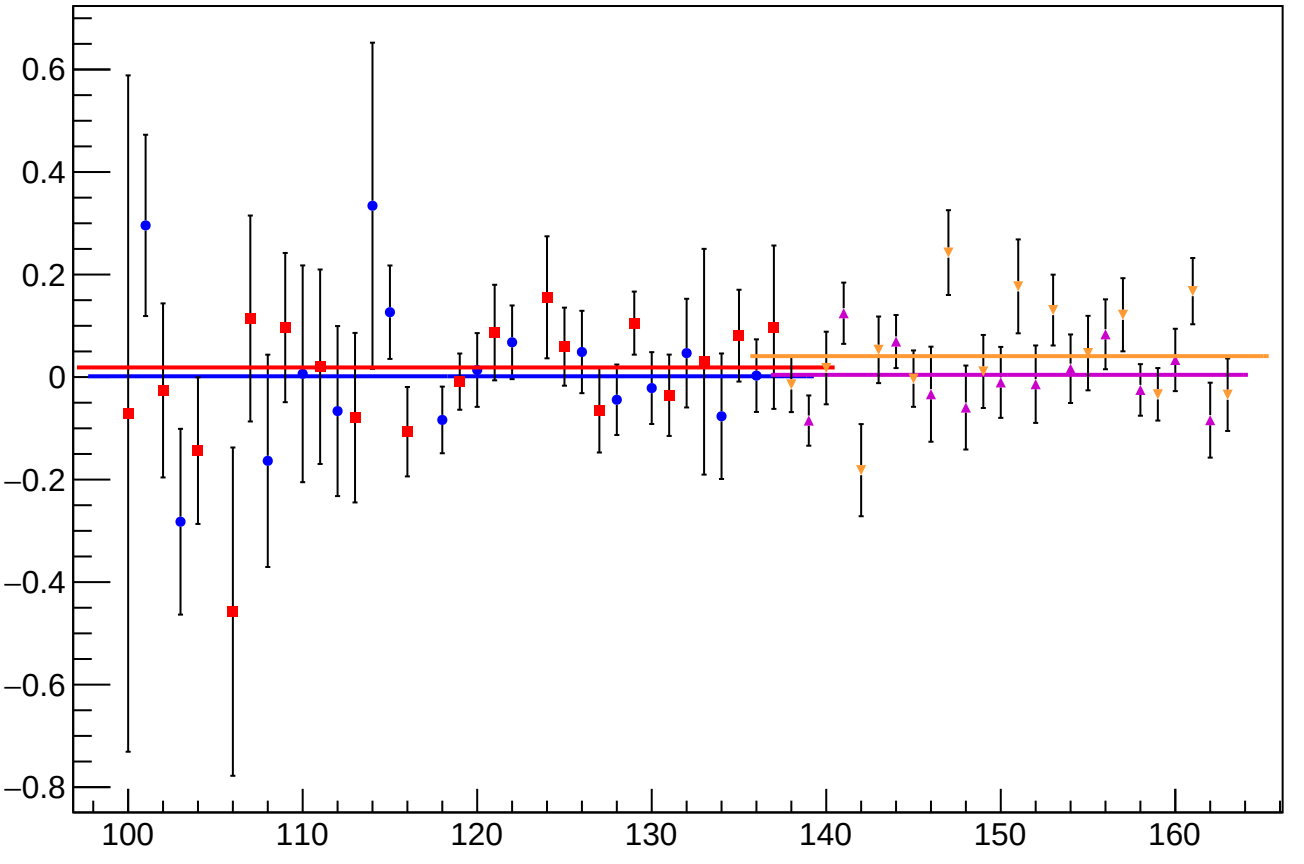
Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2558636.4/11

+ sign 0.003+/-0.000 χ^2/NDF: 5852635.3/29

All: 0.003+/-0.000 χ^2/NDF: 13824756.5/60

- sign 0.003+/-0.000 χ^2/NDF: 7728901.8/30



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

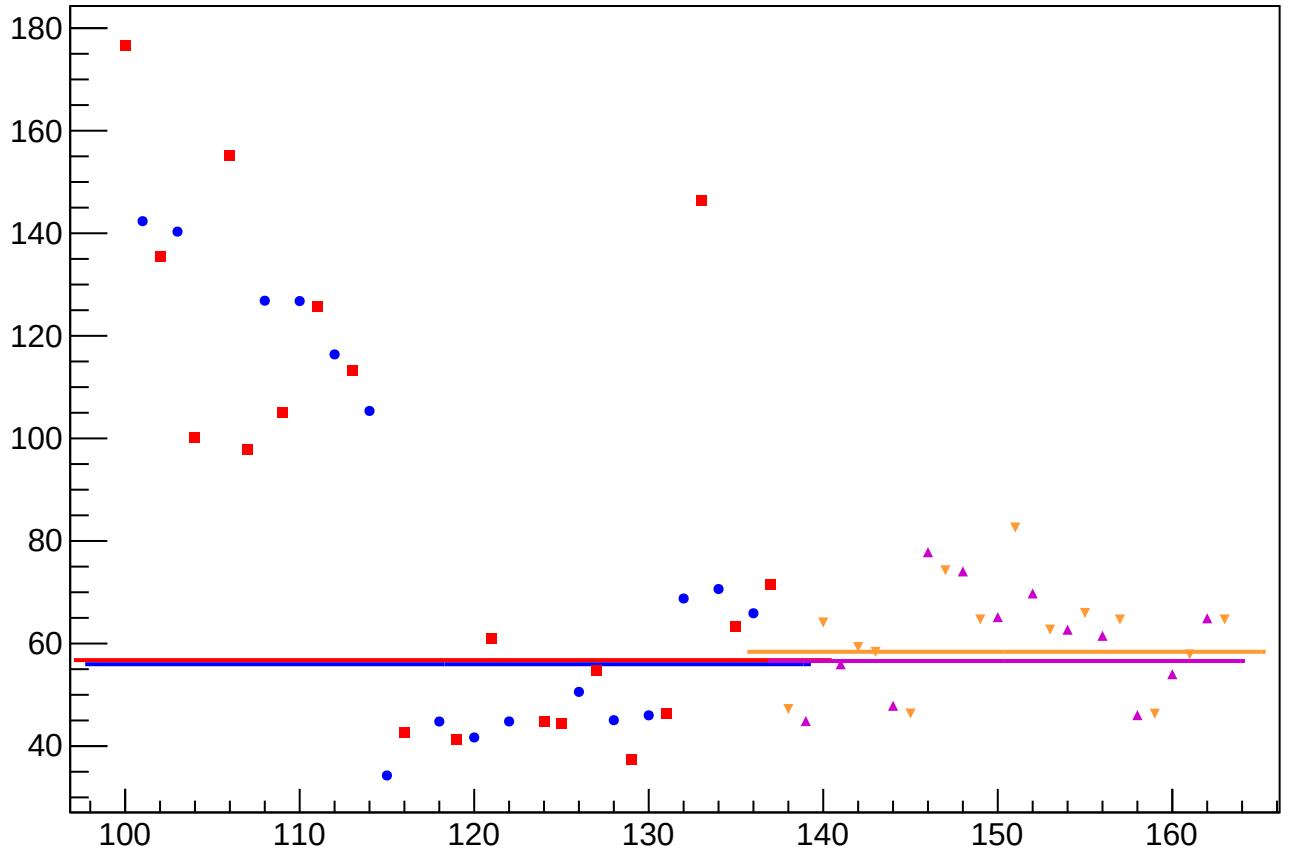
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.004+/-0.018 χ^2/NDF:13.2/11

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.018+/-0.010 χ^2/NDF: 68.4/60

- sign 0.010+/-0.014 χ^2/NDF: 26.6/30



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.391+/-0.013 χ^2/NDF:595969.6/13

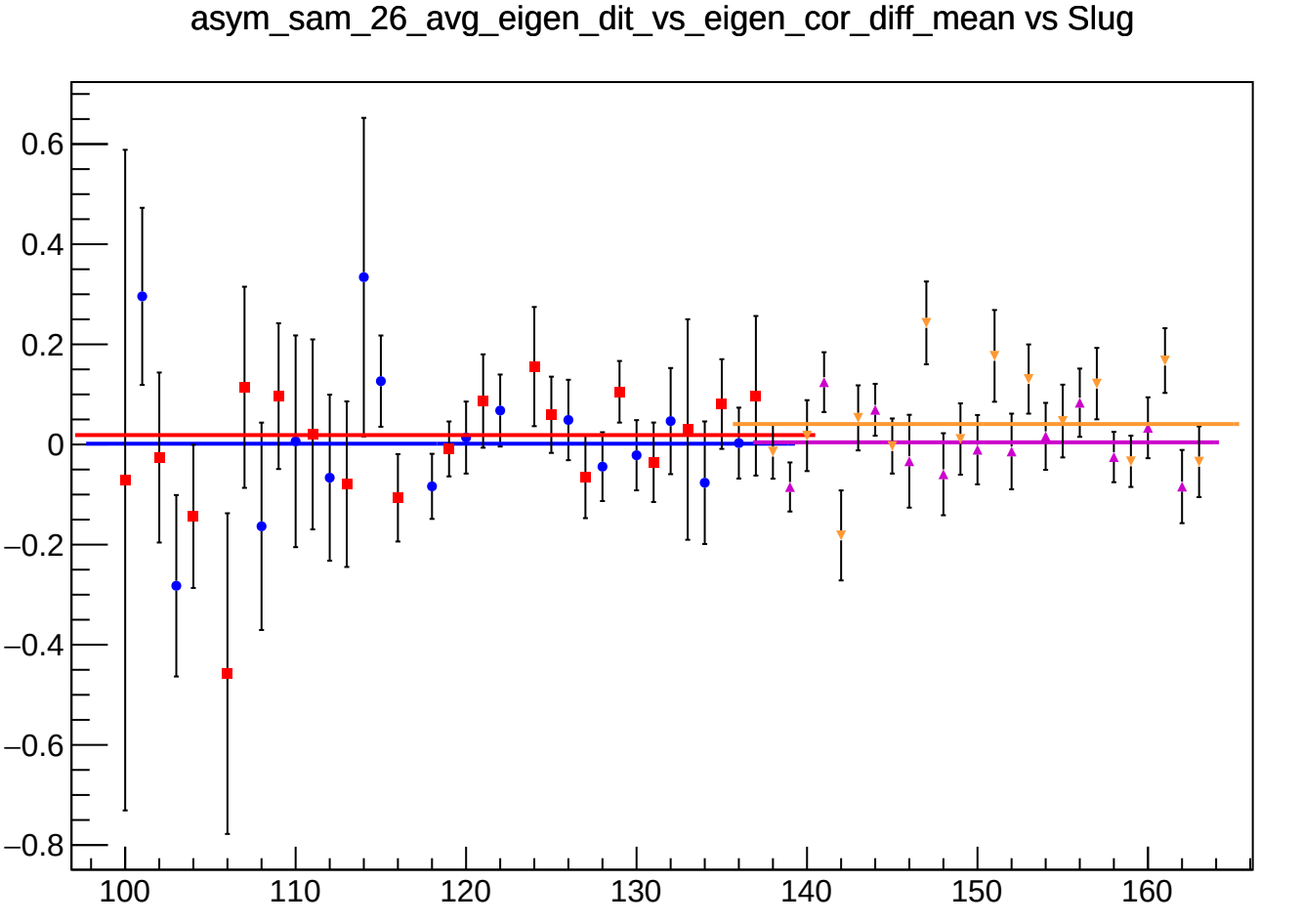
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.593+/-0.013 χ^2/NDF:602817.6/11

+ sign 57.496+/-0.010 χ^2/NDF: 2789232.6/29

All: 57.083+/-0.007 χ^2/NDF: 5948699.4/60

- sign 56.660+/-0.010 χ^2/NDF: 3156056.4/30



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

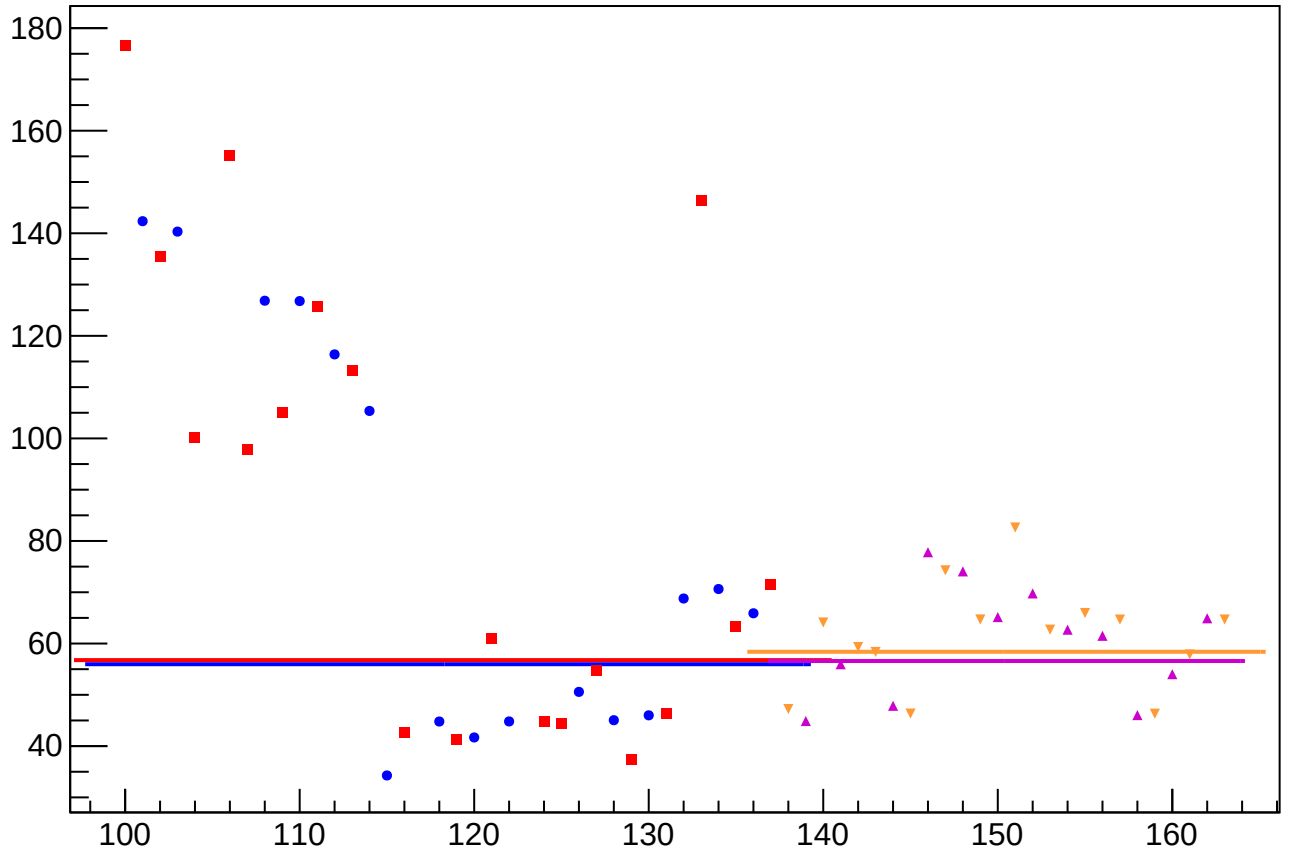
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.004+/-0.018 χ^2/NDF:13.2/11

+ sign 0.026+/-0.014 χ^2/NDF: 41.2/29

All: 0.018+/-0.010 χ^2/NDF: 68.4/60

- sign 0.010+/-0.014 χ^2/NDF: 26.6/30



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.391+/-0.013 χ^2/NDF:595969.6/13

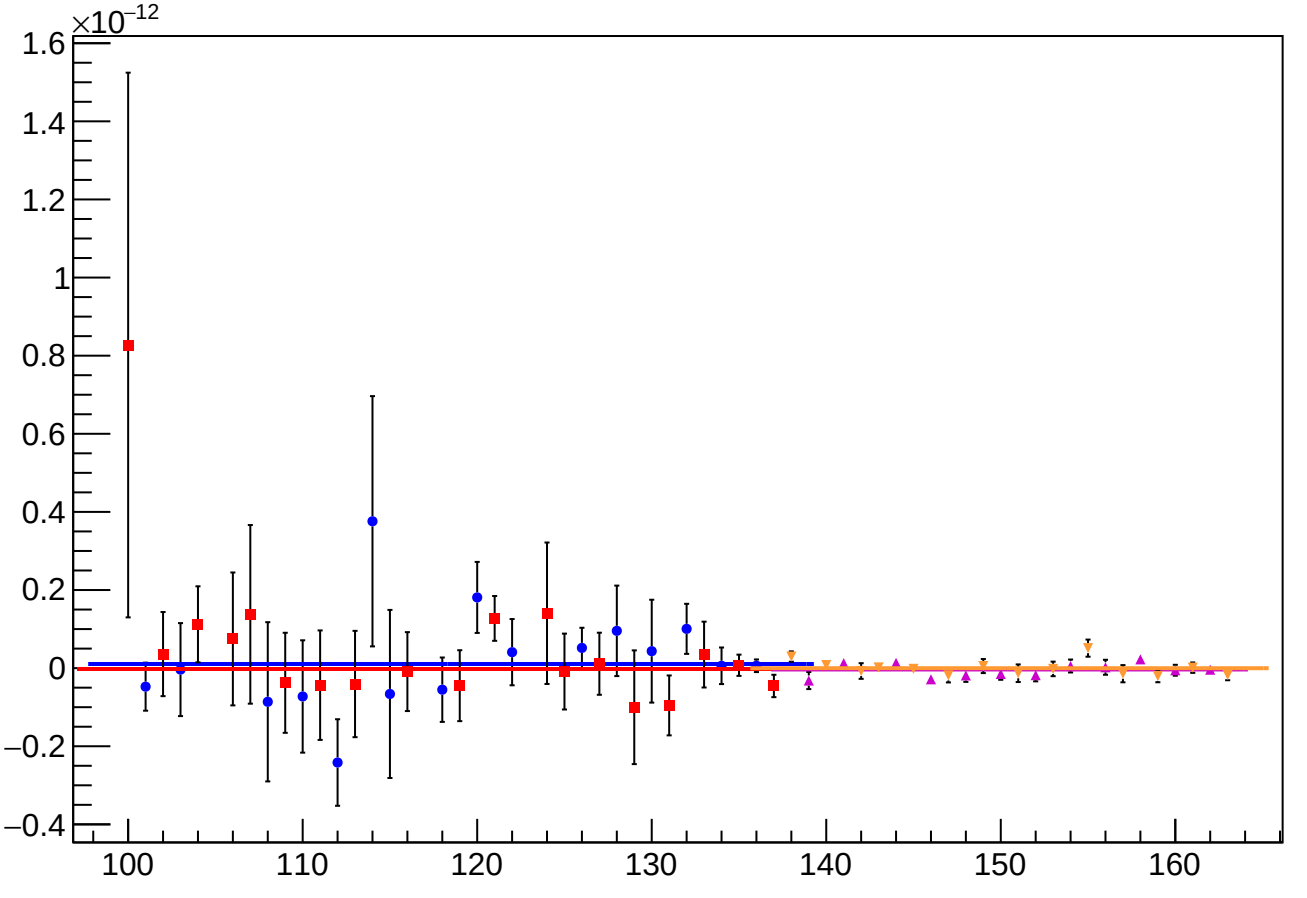
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.593+/-0.013 χ^2/NDF:602817.6/11

+ sign 57.496+/-0.010 χ^2/NDF: 2789232.6/29

All: 57.083+/-0.007 χ^2/NDF: 5948699.4/60

- sign 56.660+/-0.010 χ^2/NDF: 3156056.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/13

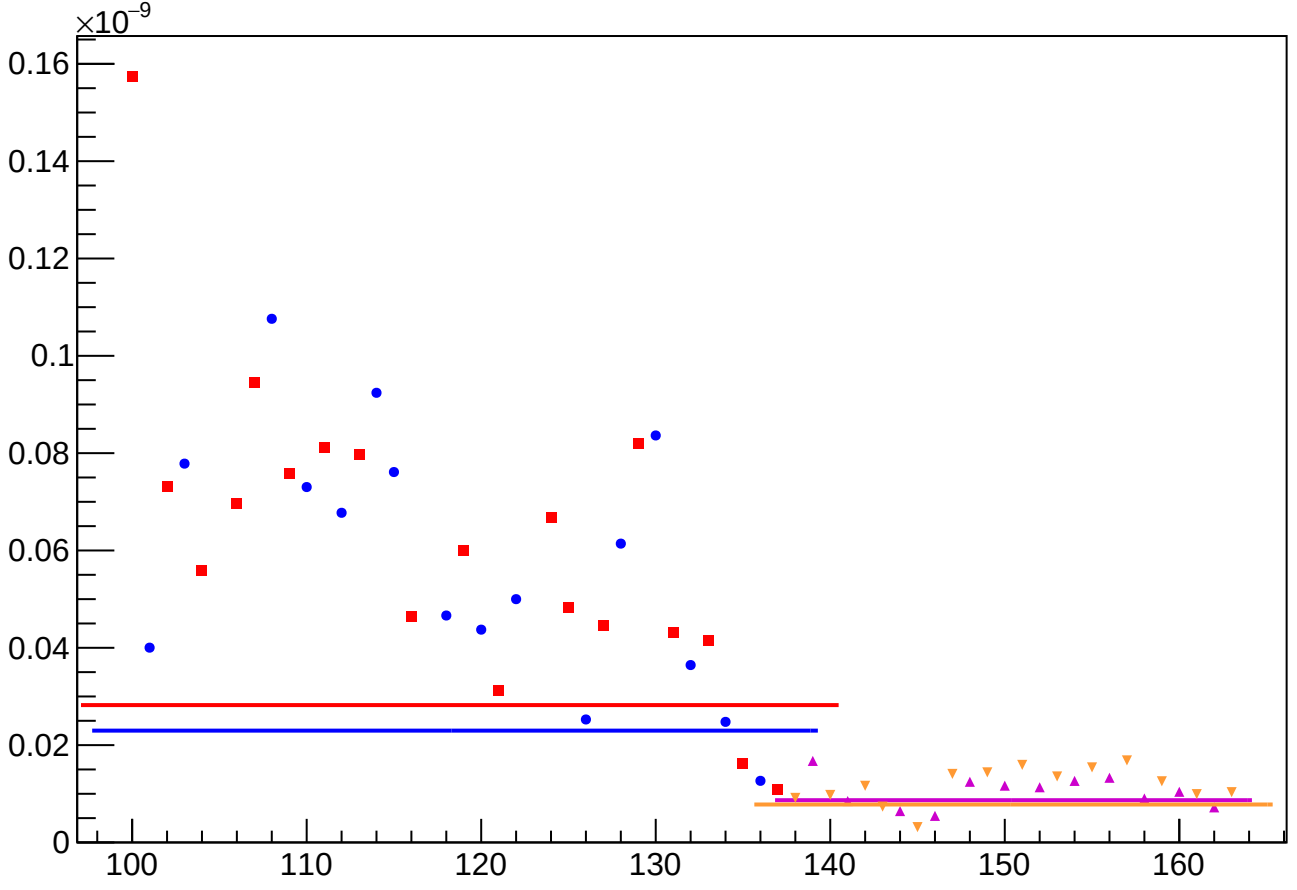
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.8/29

All: -0.000+/-0.000 χ^2/NDF: 72.3/60

- sign -0.000+/-0.000 χ^2/NDF: 38.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3666546.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

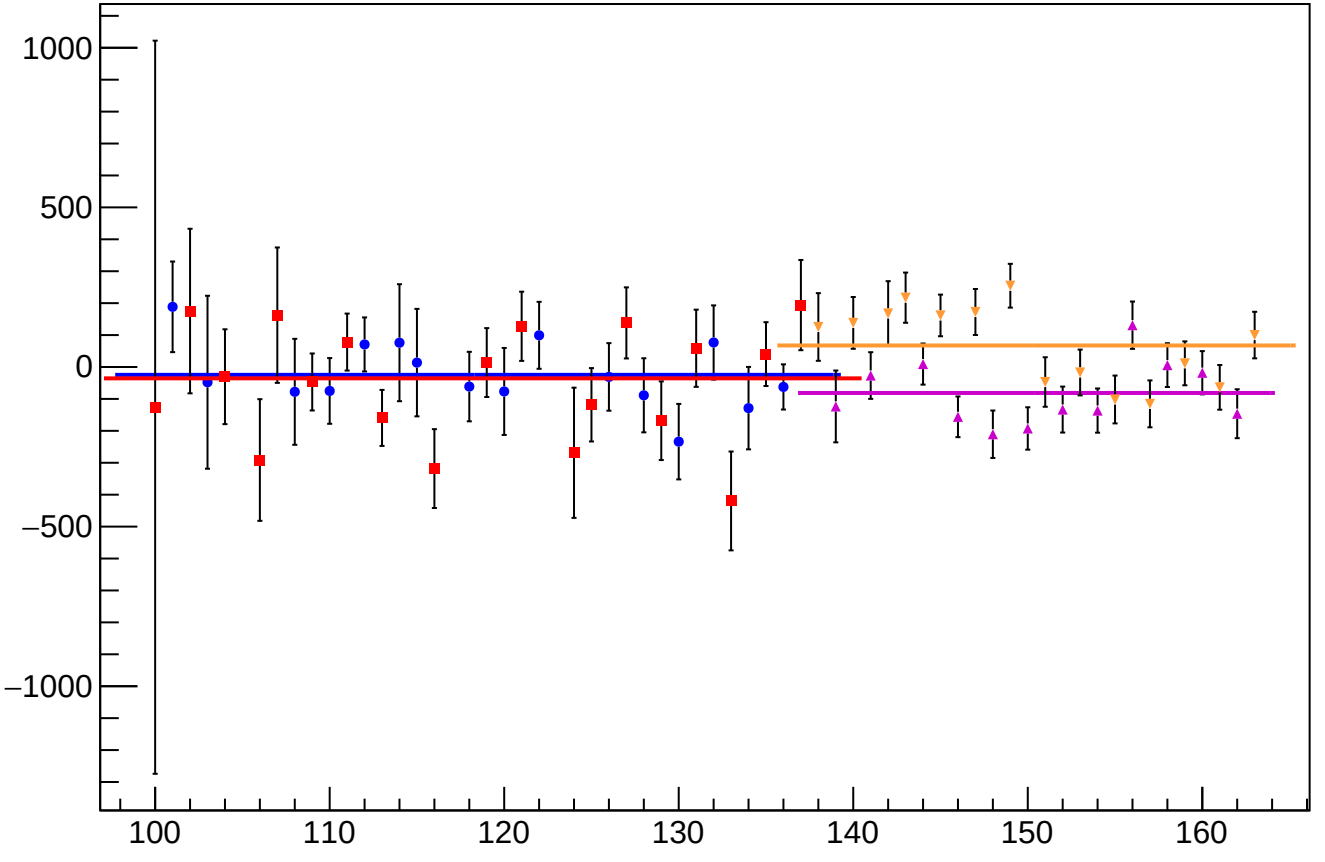
Left In: 0.000+/-0.000 χ^2/NDF:1257170.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 9977396.7/29

All: 0.000+/-0.000 χ^2/NDF: 18156664.3/60

- sign 0.000+/-0.000 χ^2/NDF: 8097166.5/30

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.442+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

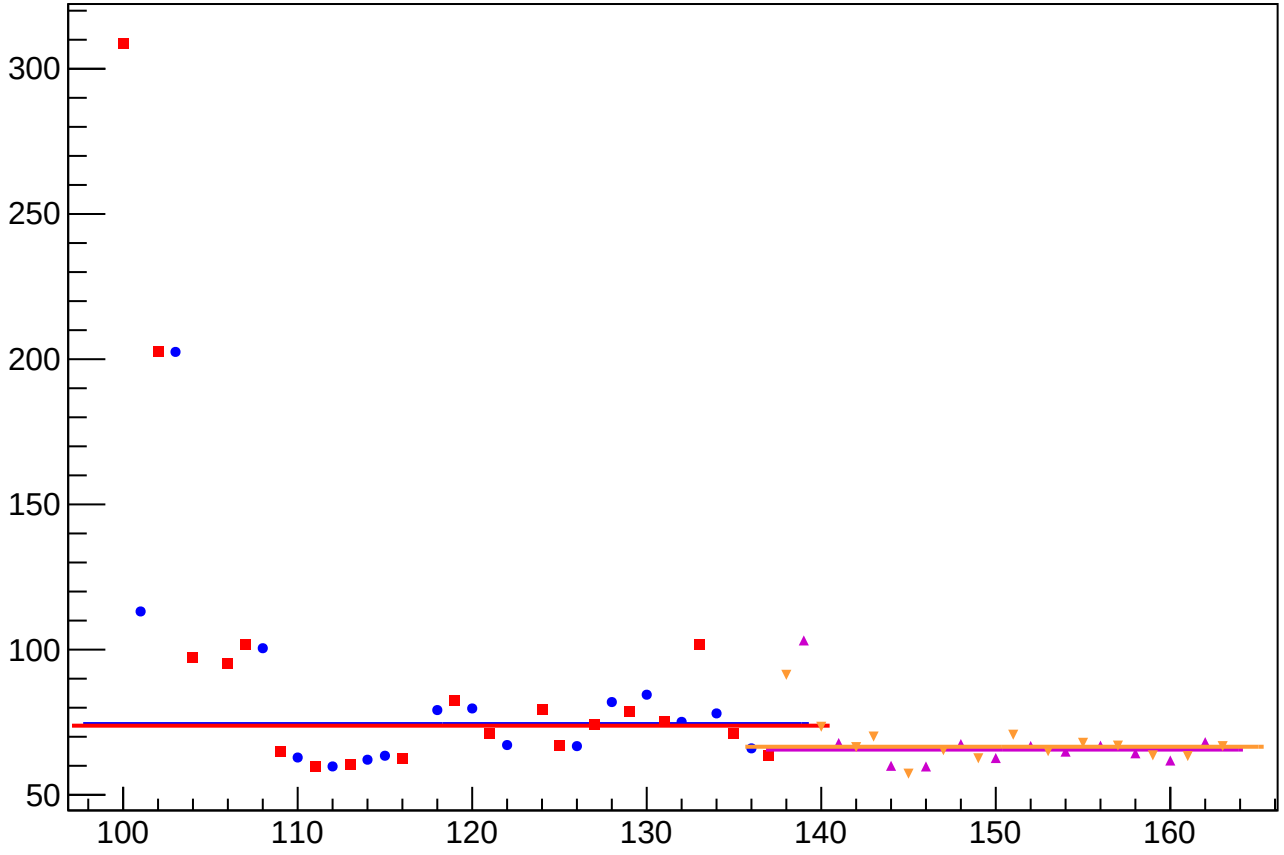
Left In: -81.366+/-20.649 χ^2/NDF:22.5/11

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -13.493+/-11.748 χ^2/NDF: 127.8/60

- sign -65.573+/-16.712 χ^2/NDF: 54.2/30

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

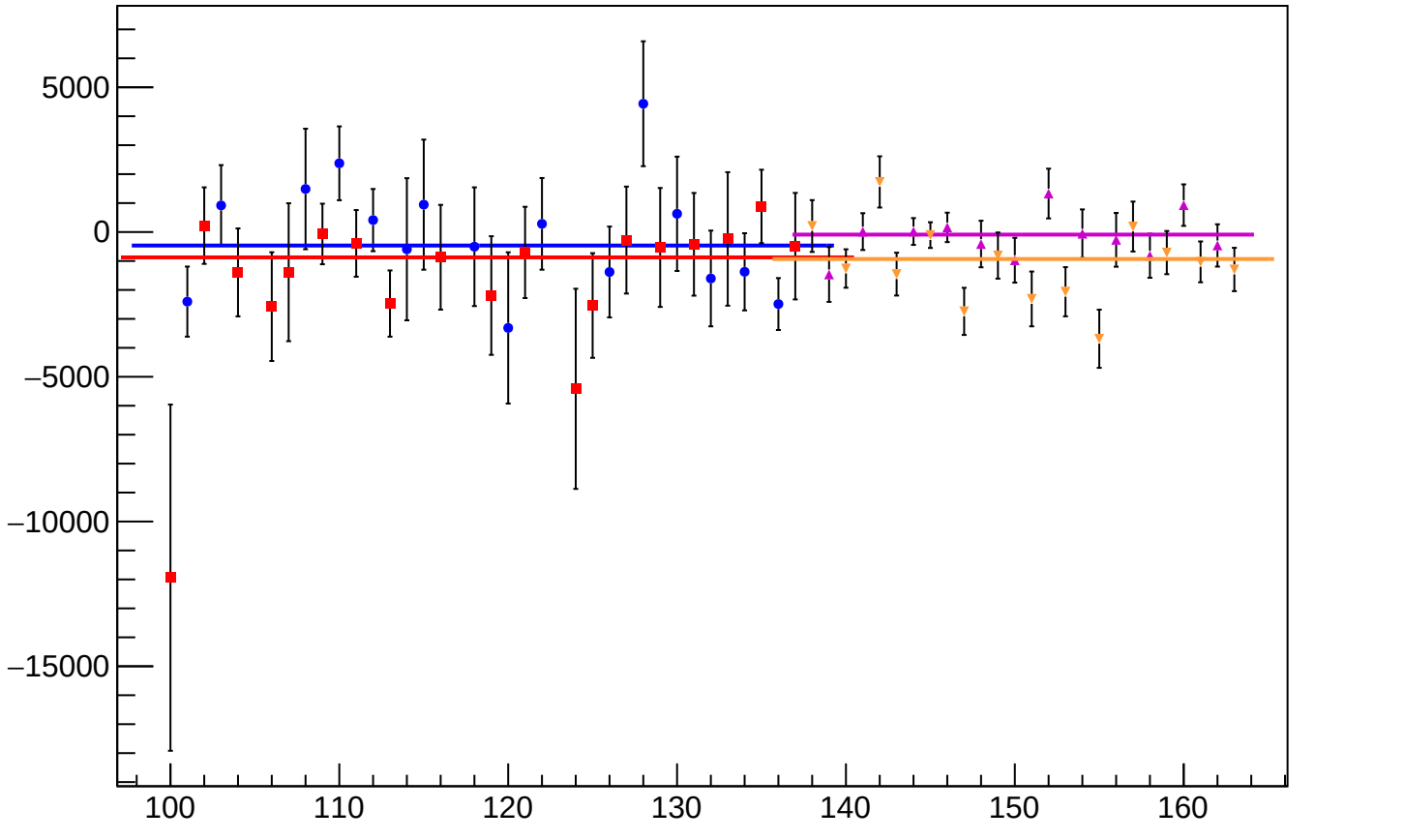
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

+ sign 69.109+/-0.012 χ^2/NDF: 1116419.1/29

All: 68.770+/-0.008 χ^2/NDF: 2432143.3/60

- sign 68.422+/-0.012 χ^2/NDF: 1314015.8/30



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -931.966+/-199.146 χ^2/NDF:33.3/13

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

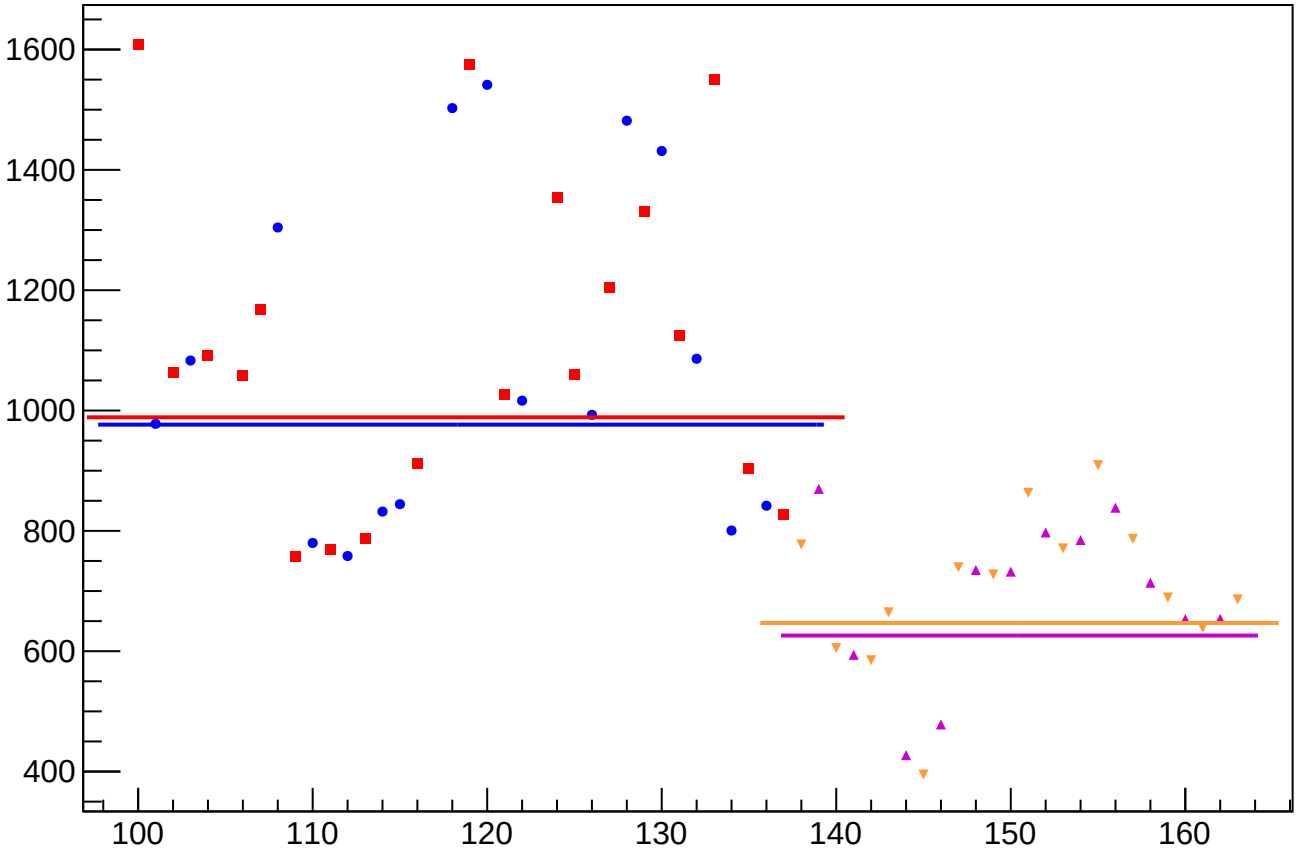
Left In: -88.954+/-200.713 χ^2/NDF:9.9/11

+ sign -829.590+/-175.886 χ^2/NDF: 58.2/29

All: -549.088+/-124.645 χ^2/NDF: 89.7/60

- sign -266.091+/-176.667 χ^2/NDF: 26.4/30

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100280.7/13

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

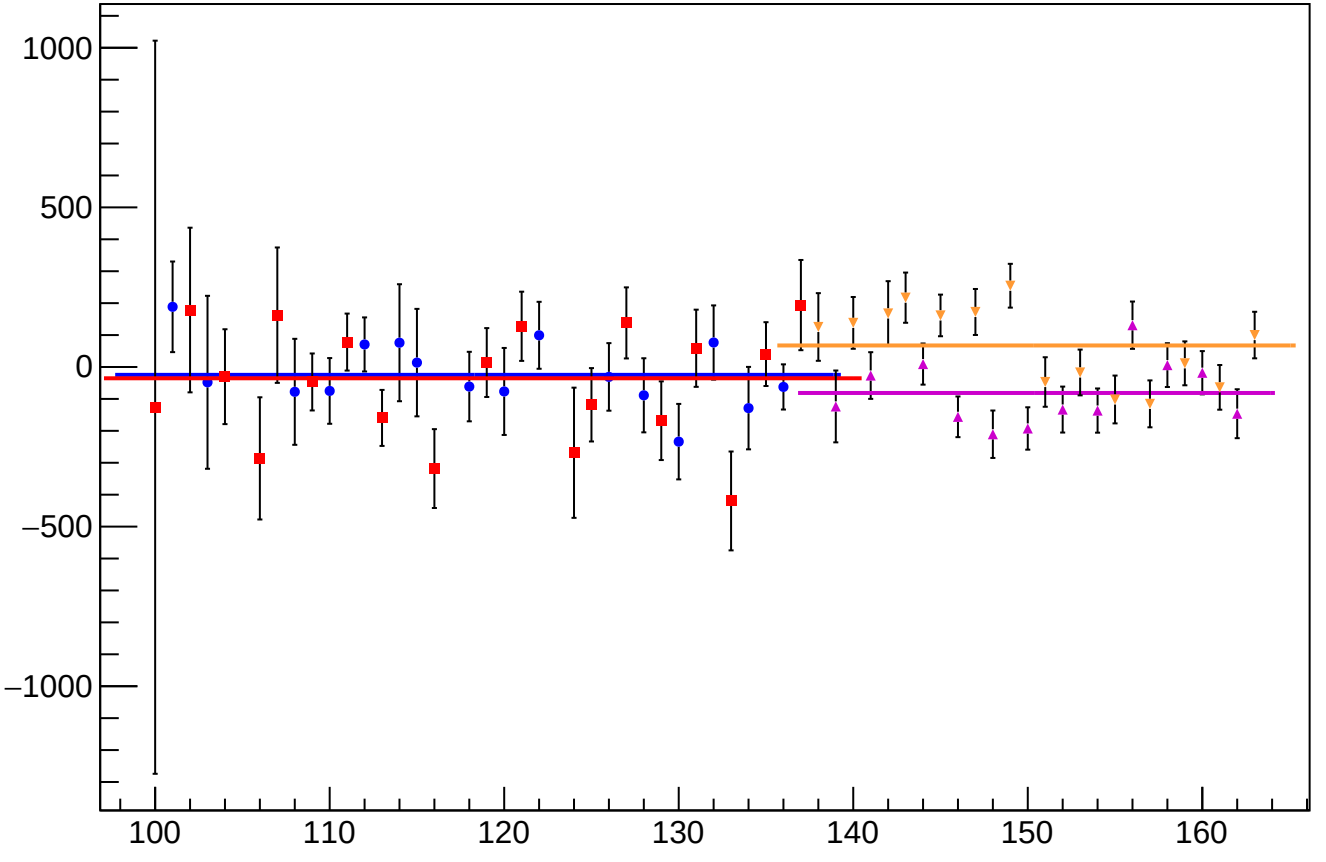
Left In: 626.052+/-0.142 χ^2/NDF:1037582.8/11

+ sign 719.411+/-0.124 χ^2/NDF: 3042539.8/29

All: 713.608+/-0.088 χ^2/NDF: 6271389.2/60

- sign 707.753+/-0.125 χ^2/NDF: 3224475.8/30

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

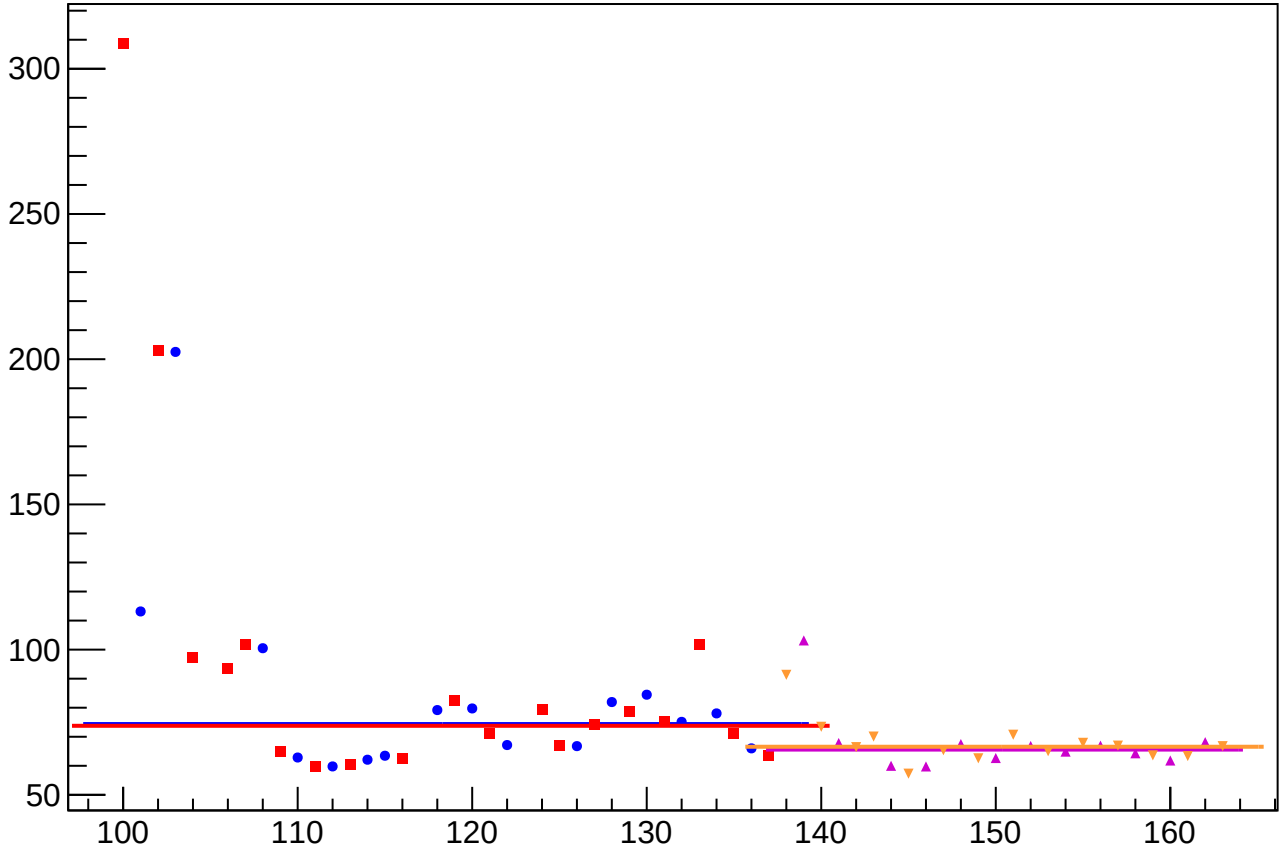
Left In: -81.367+/-20.649 χ^2/NDF:22.5/11

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -13.458+/-11.748 χ^2/NDF: 127.8/60

- sign -65.507+/-16.713 χ^2/NDF: 54.2/30

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

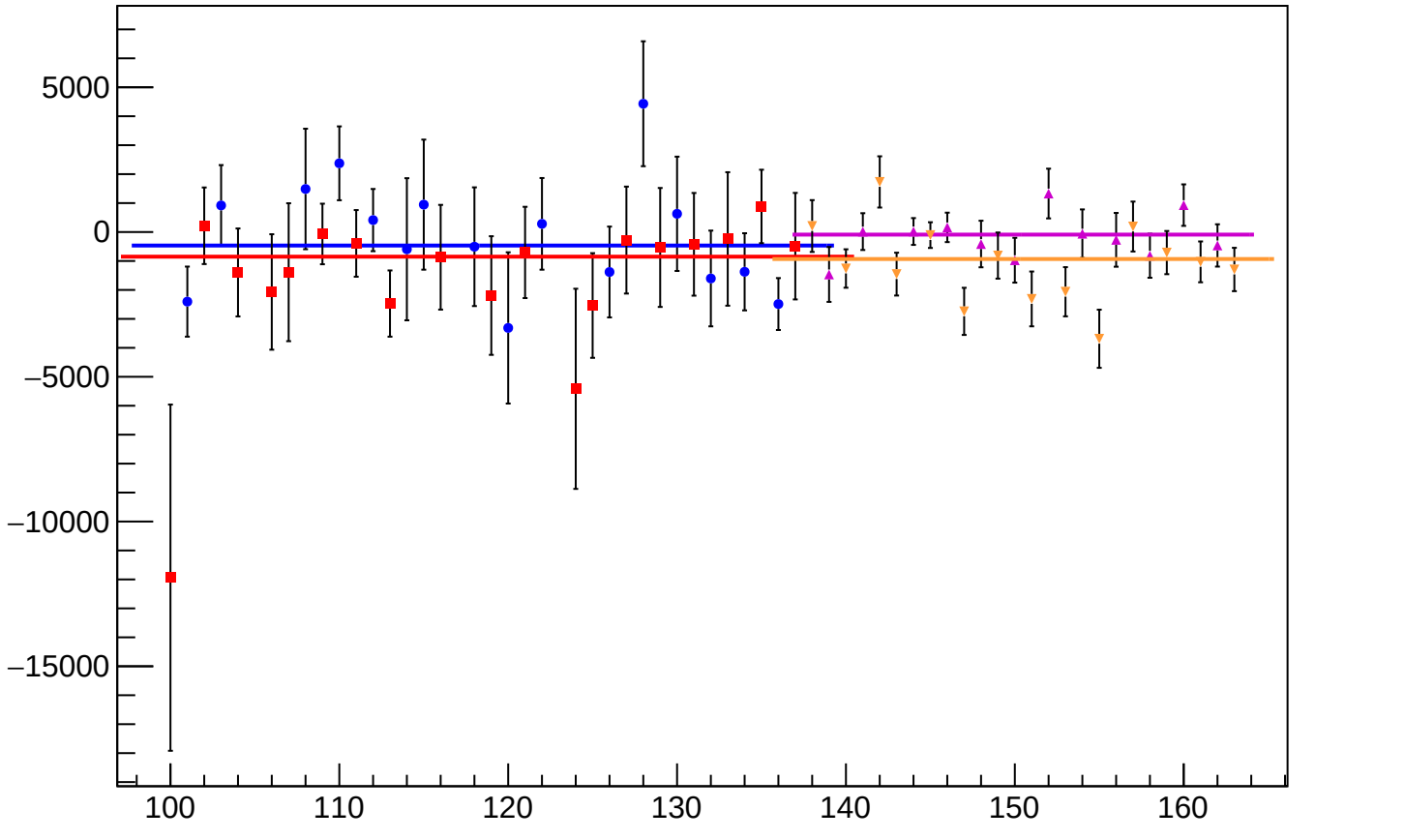
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

+ sign 69.109+/-0.012 χ^2/NDF: 1116421.1/29

All: 68.762+/-0.008 χ^2/NDF: 2427307.7/60

- sign 68.408+/-0.012 χ^2/NDF: 1309103.8/30



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

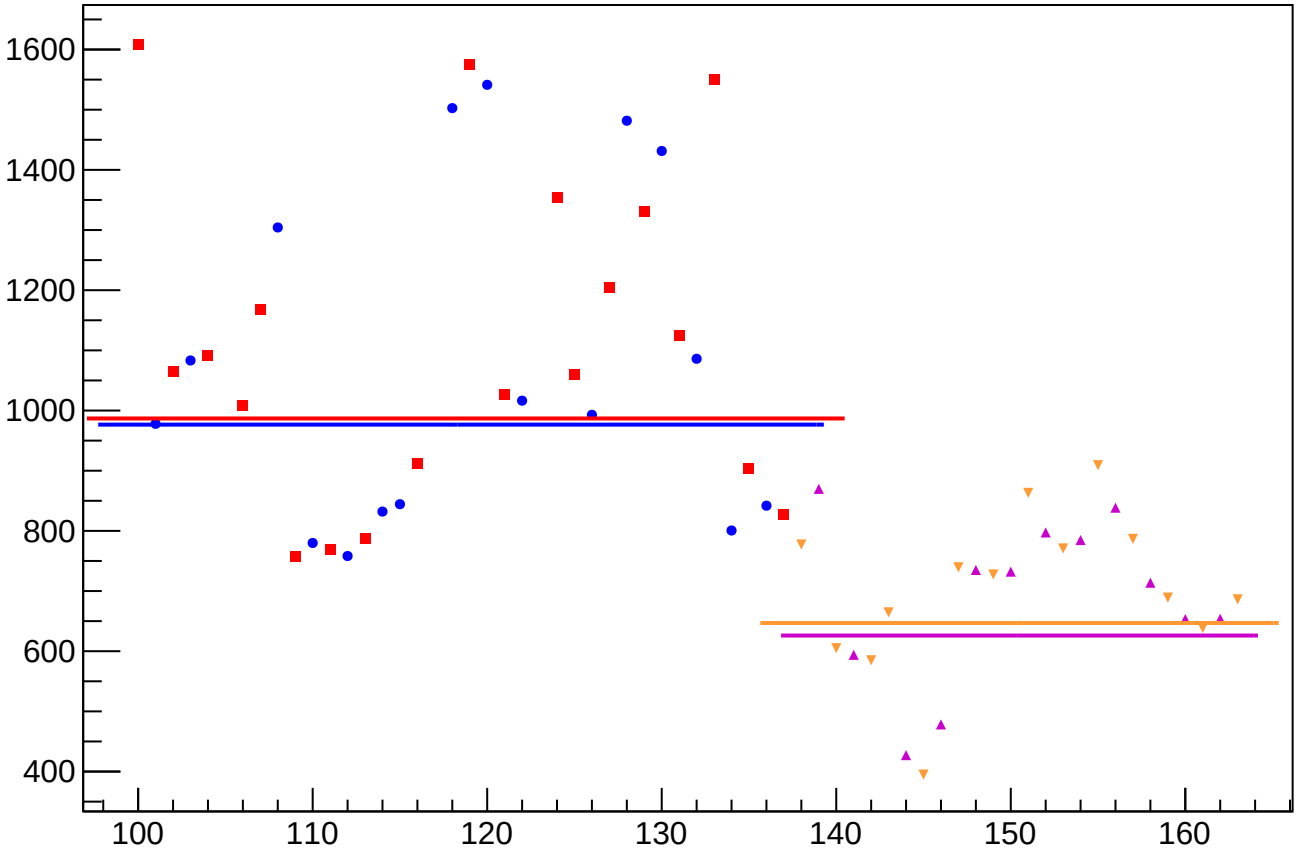
Left In: -88.954+/-200.713 χ^2/NDF:9.9/11

+ sign -829.587+/-175.886 χ^2/NDF: 58.2/29

All: -546.173+/-124.677 χ^2/NDF: 89.1/60

- sign -259.943+/-176.758 χ^2/NDF: 25.7/30

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

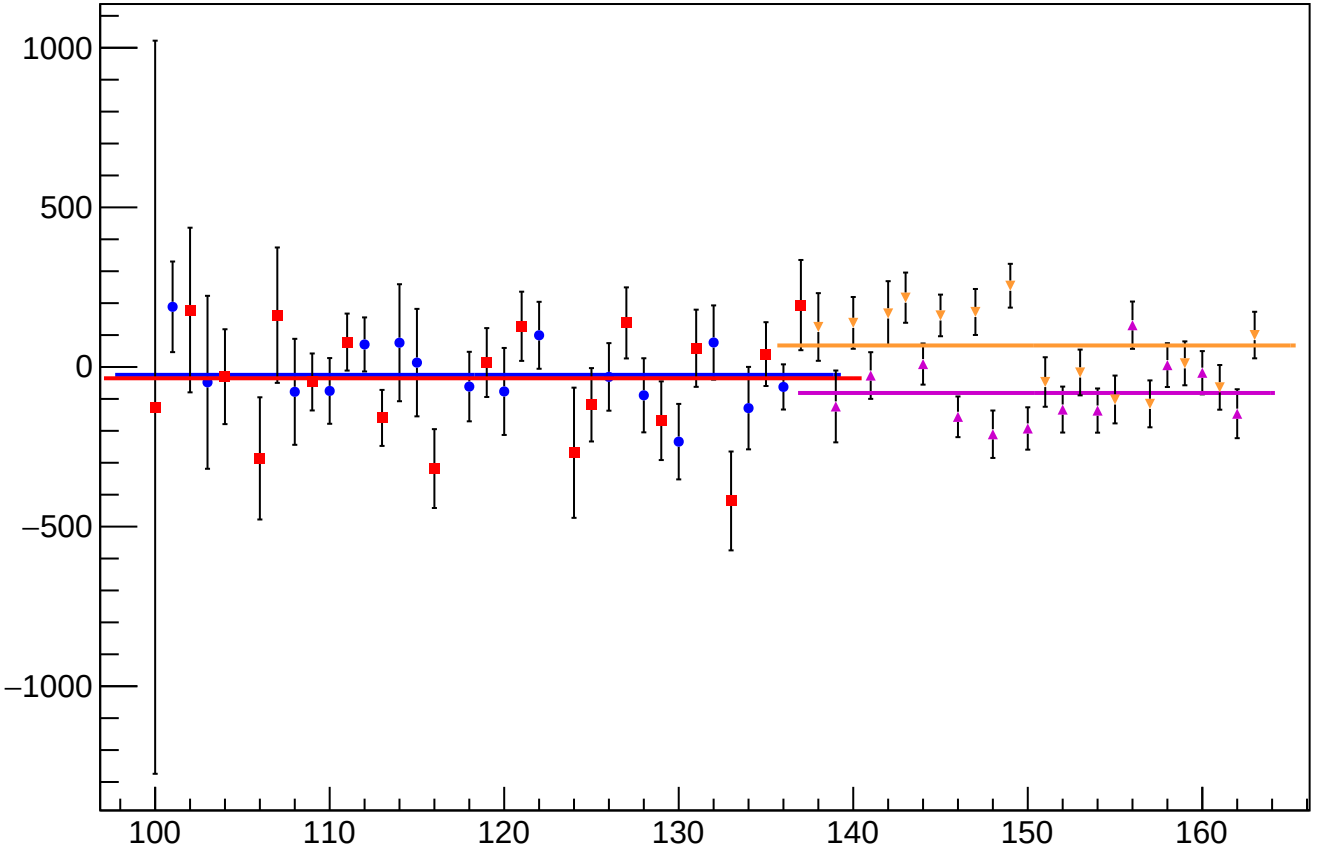
Left In: 626.052+/-0.142 χ^2/NDF:1037583.6/11

+ sign 719.411+/-0.124 χ^2/NDF: 3042595.5/29

All: 713.251+/-0.088 χ^2/NDF: 6248765.8/60

- sign 707.028+/-0.125 χ^2/NDF: 3201238.1/30

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

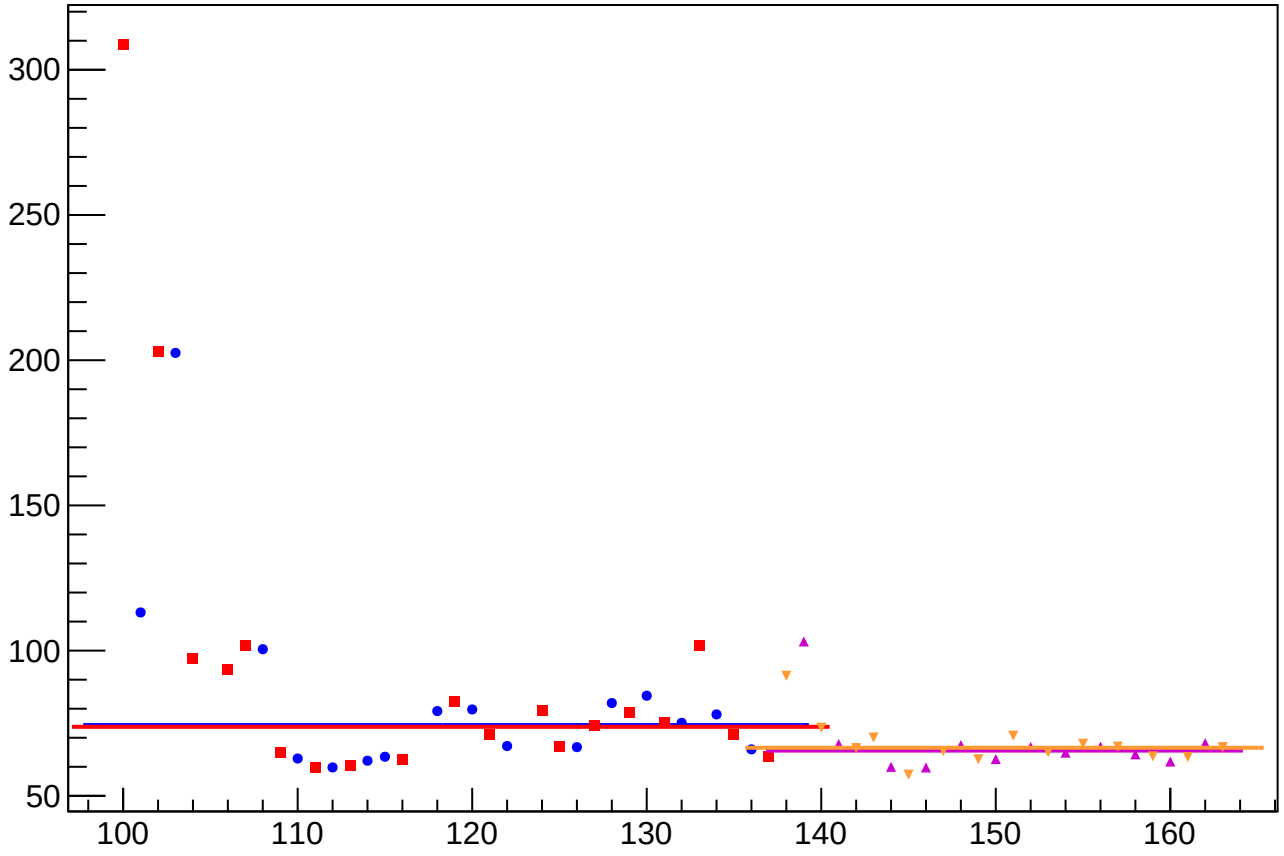
Left In: -81.367+/-20.649 χ^2/NDF:22.5/11

+ sign 37.388+/-16.518 χ^2/NDF: 54.4/29

All: -13.458+/-11.748 χ^2/NDF: 127.8/60

- sign -65.507+/-16.713 χ^2/NDF: 54.2/30

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

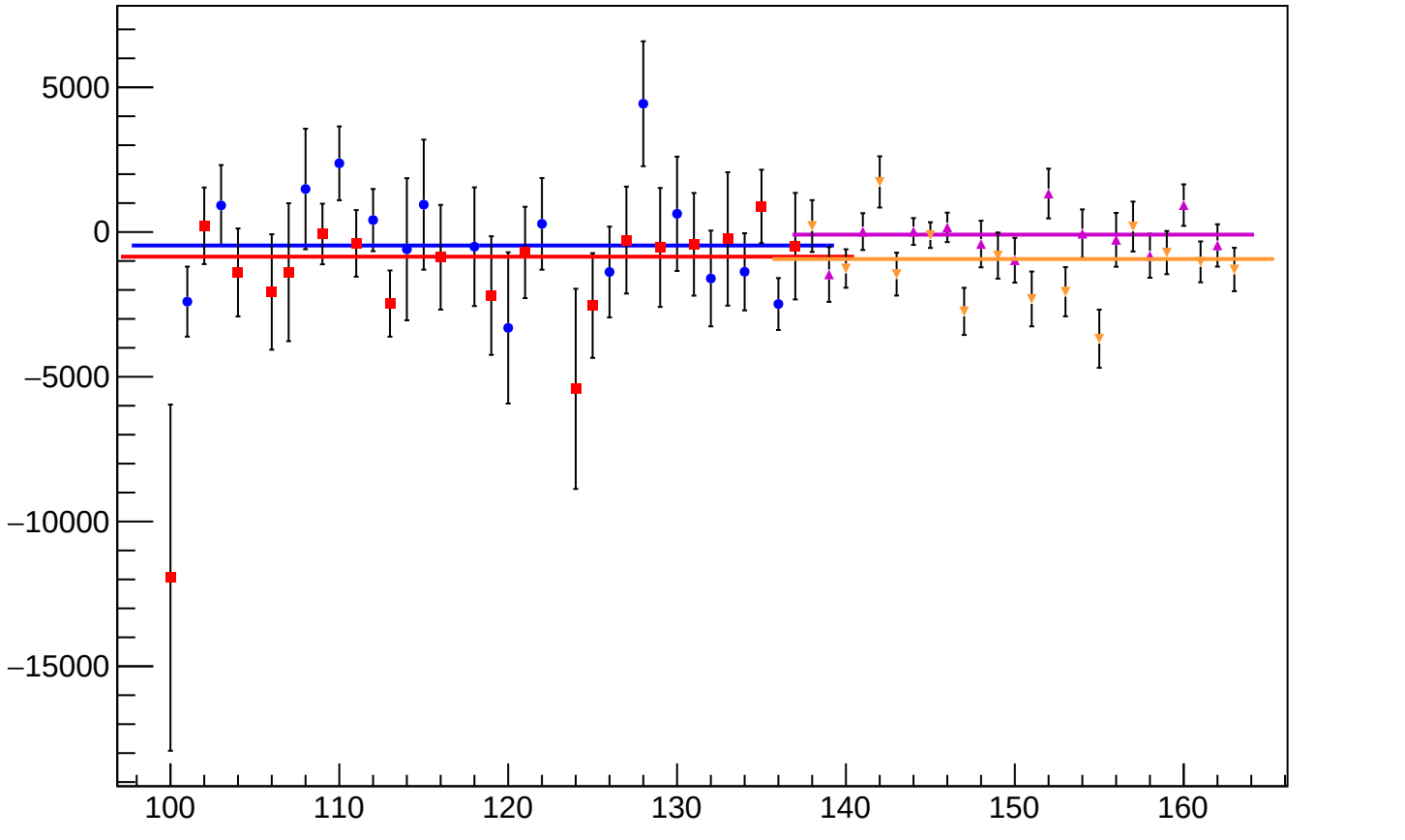
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

+ sign 69.109+/-0.012 χ^2/NDF: 1116421.1/29

All: 68.762+/-0.008 χ^2/NDF: 2427307.7/60

- sign 68.408+/-0.012 χ^2/NDF: 1309103.8/30



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -931.964+/-199.146 χ^2/NDF:33.3/13

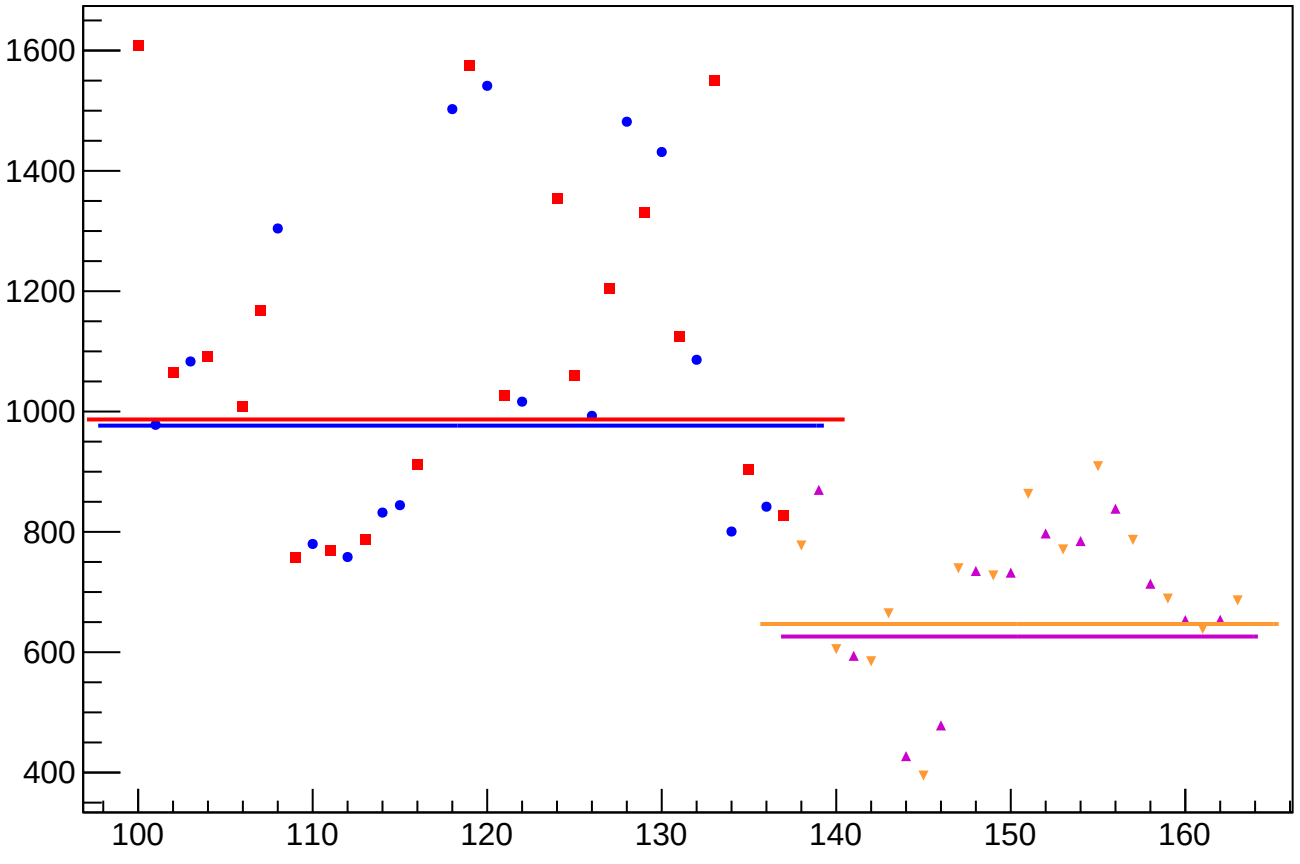
Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: -88.954+/-200.713 χ^2/NDF:9.9/11

+ sign -829.587+/-175.886 χ^2/NDF: 58.2/29

All: -546.173+/-124.677 χ^2/NDF: 89.1/60

- sign -259.943+/-176.758 χ^2/NDF: 25.7/30



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

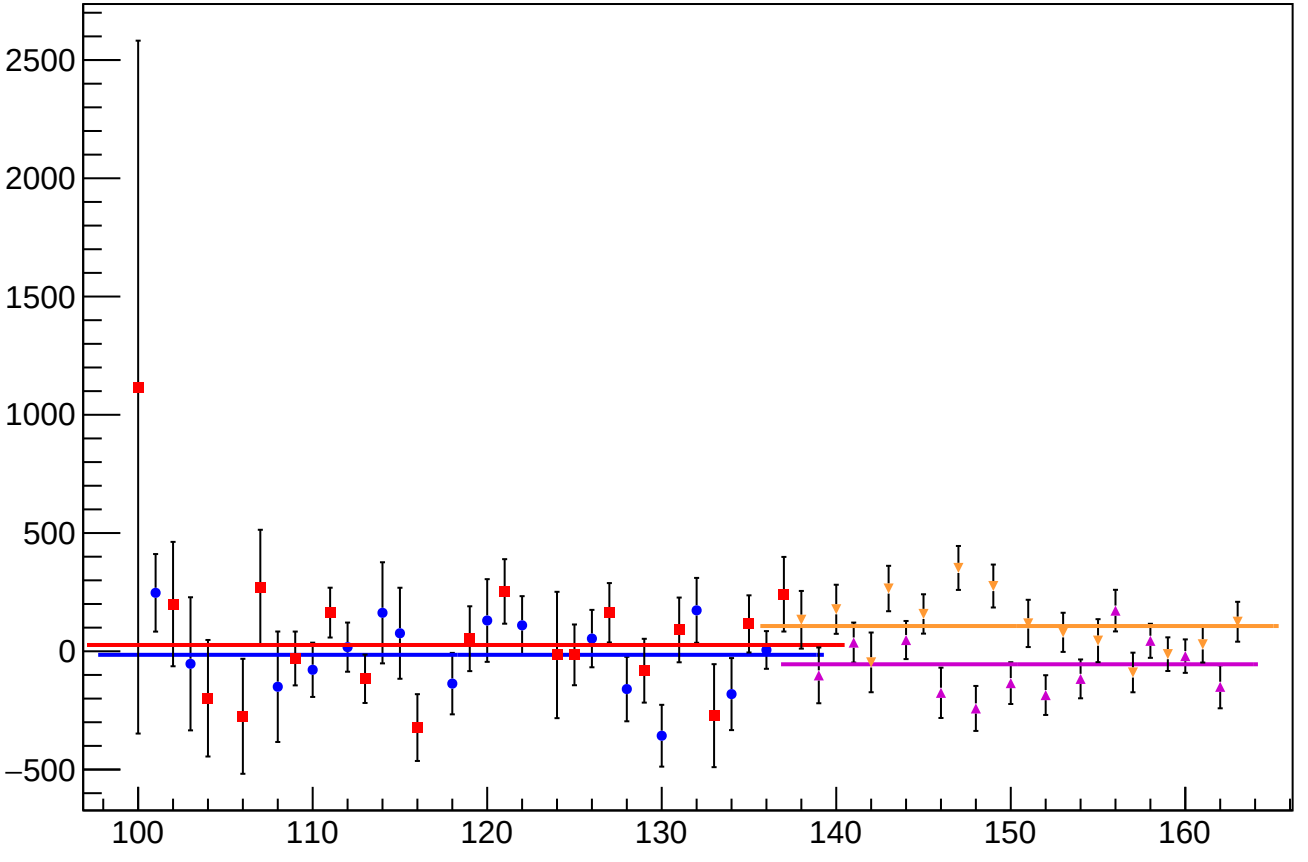
Left In: 626.052+/-0.142 χ^2/NDF:1037583.6/11

+ sign 719.411+/-0.124 χ^2/NDF: 3042595.5/29

All: 713.251+/-0.088 χ^2/NDF: 6248765.8/60

- sign 707.028+/-0.125 χ^2/NDF: 3201238.1/30

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.776+/-24.042 χ^2/NDF:25.5/13

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

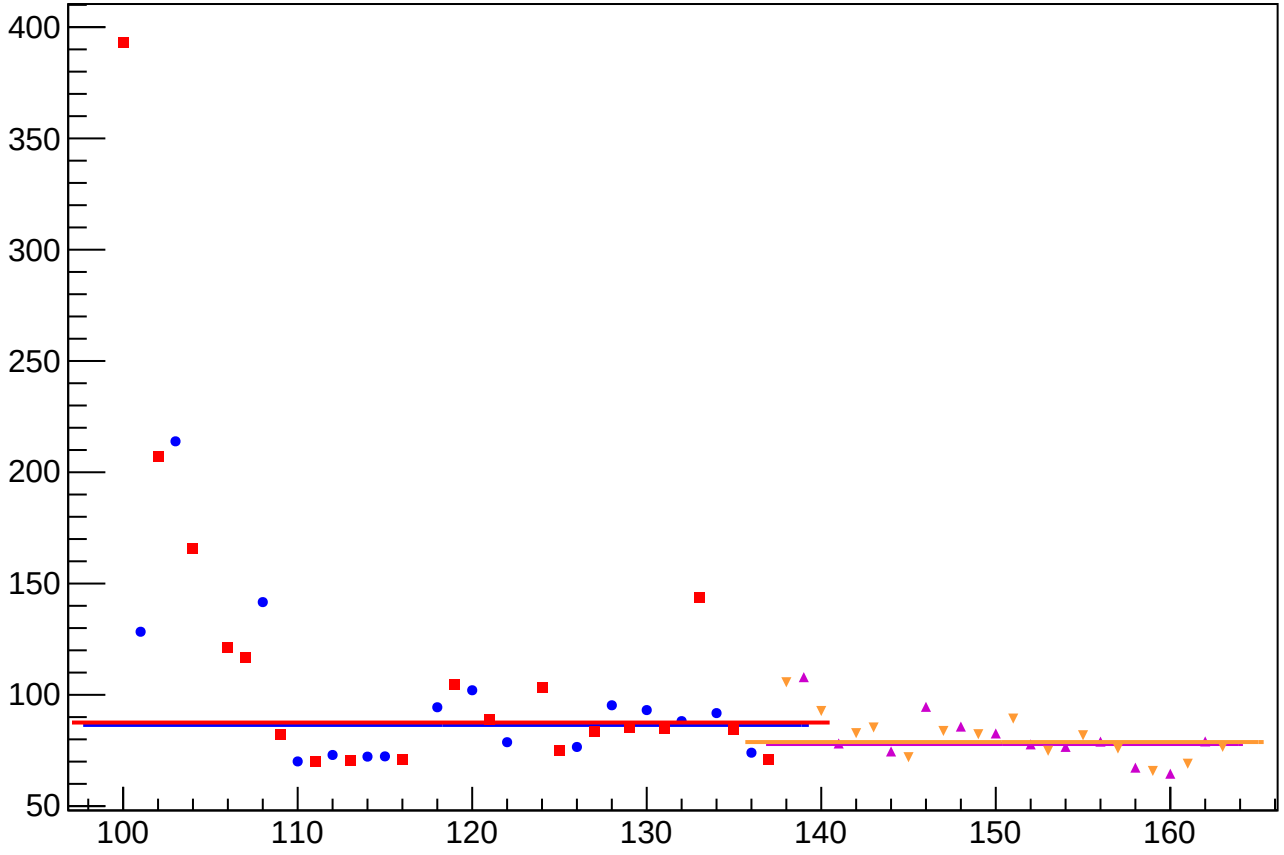
Left In: -54.933+/-24.799 χ^2/NDF:21.8/11

+ sign 65.817+/-19.583 χ^2/NDF: 52.4/29

All: 20.658+/-14.010 χ^2/NDF: 112.4/60

- sign -26.681+/-20.050 χ^2/NDF: 49.1/30

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 78.786+/-0.017 χ^2/NDF:298065.7/13

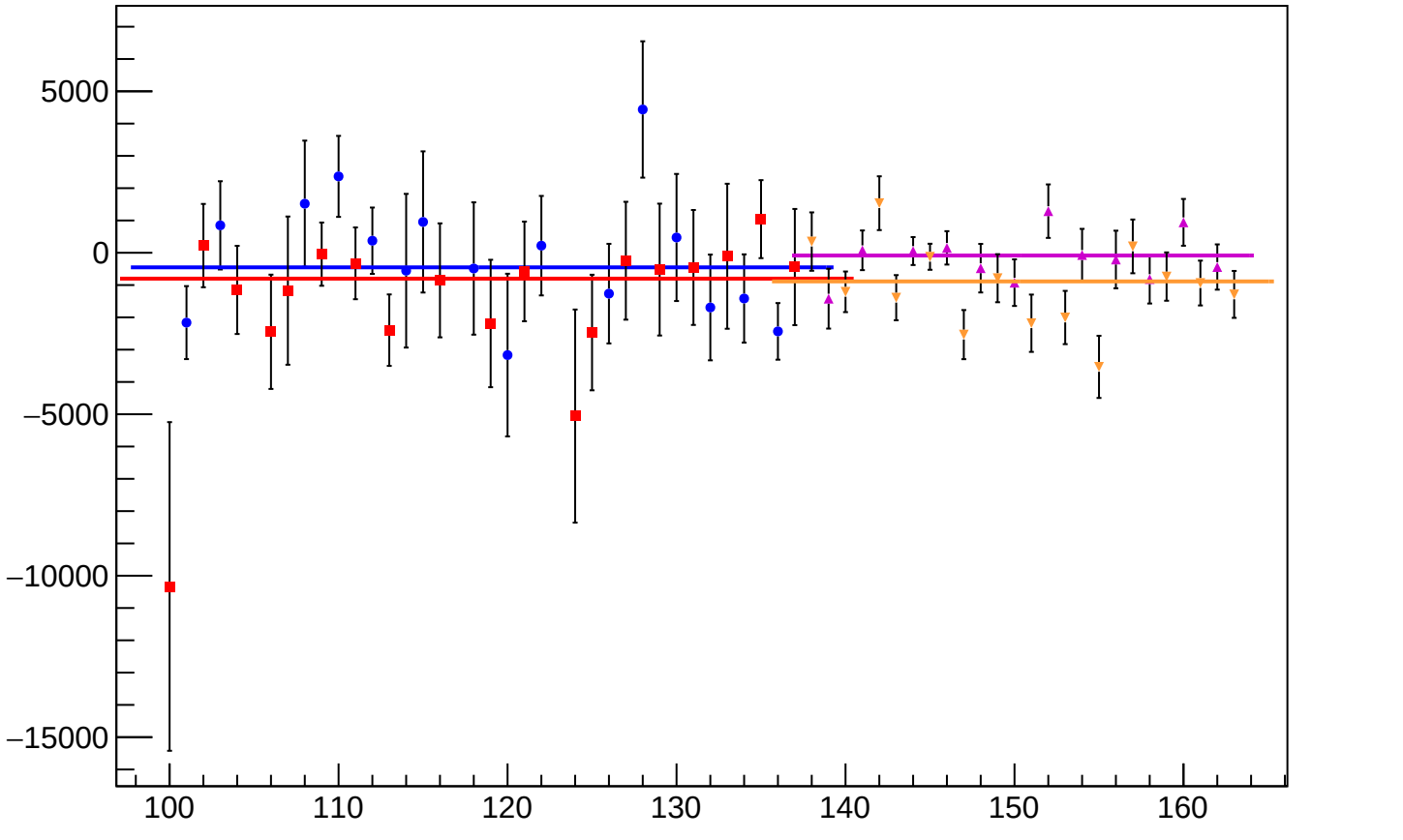
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 77.902+/-0.018 χ^2/NDF:317609.6/11

+ sign 81.378+/-0.014 χ^2/NDF: 1223399.1/29

All: 81.313+/-0.010 χ^2/NDF: 2775777.5/60

- sign 81.244+/-0.014 χ^2/NDF: 1552332.9/30



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -886.720+/-189.148 χ^2/NDF:33.0/13

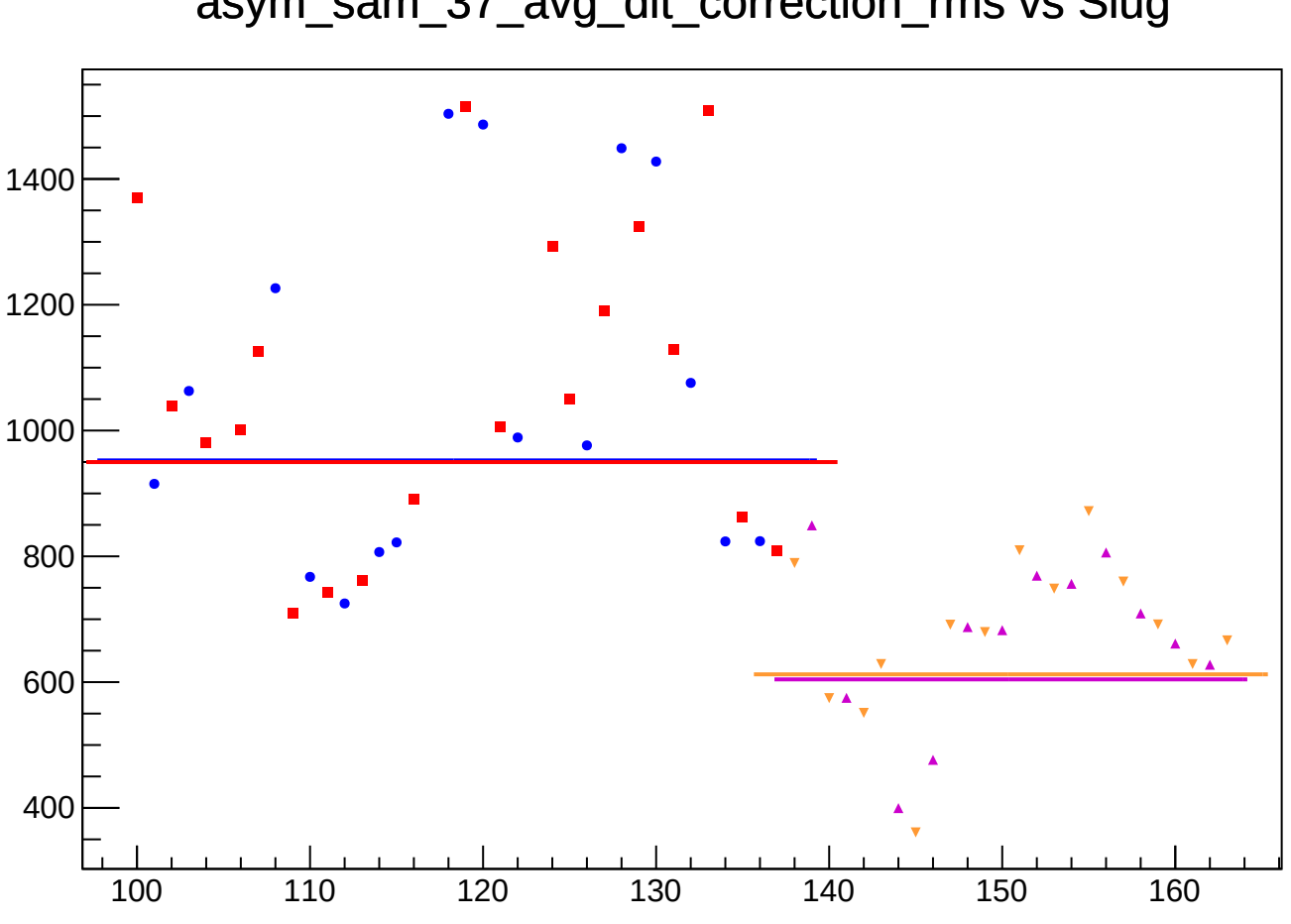
Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -84.565+/-194.142 χ^2/NDF:10.1/11

\+ sign -794.801+/-167.997 χ^2/NDF: 57.8/29

All: -525.445+/-119.718 χ^2/NDF: 89.8/60

\- sign -247.519+/-170.648 χ^2/NDF: 26.8/30



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 612.373+/-0.134 χ^2/NDF:1307003.6/13

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

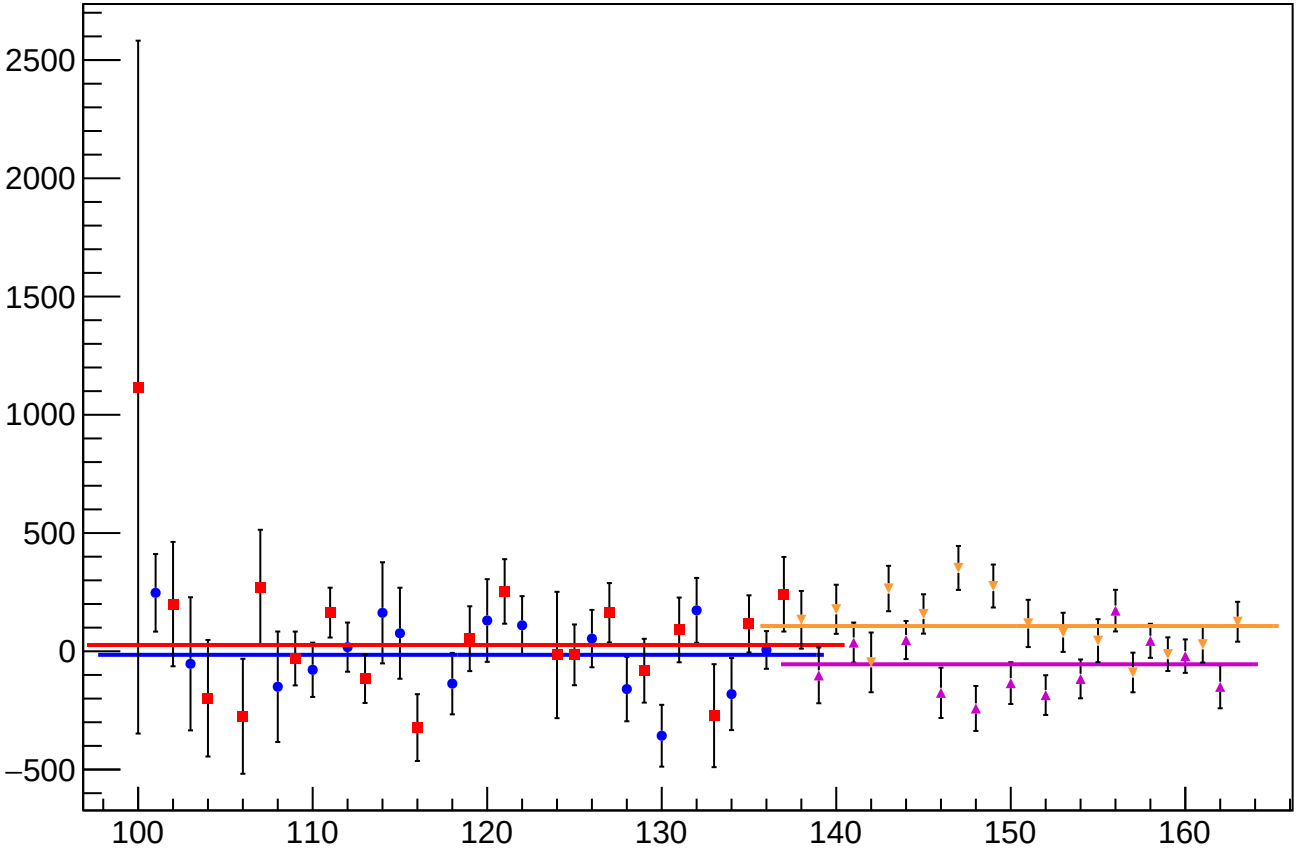
Left In: 604.352+/-0.137 χ^2/NDF:1067612.4/11

+ sign 684.199+/-0.119 χ^2/NDF: 3419241.1/29

All: 683.571+/-0.085 χ^2/NDF: 6679202.2/60

- sign 682.922+/-0.121 χ^2/NDF: 3259904.3/30

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.778+/-24.042 χ^2/NDF:25.5/13

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

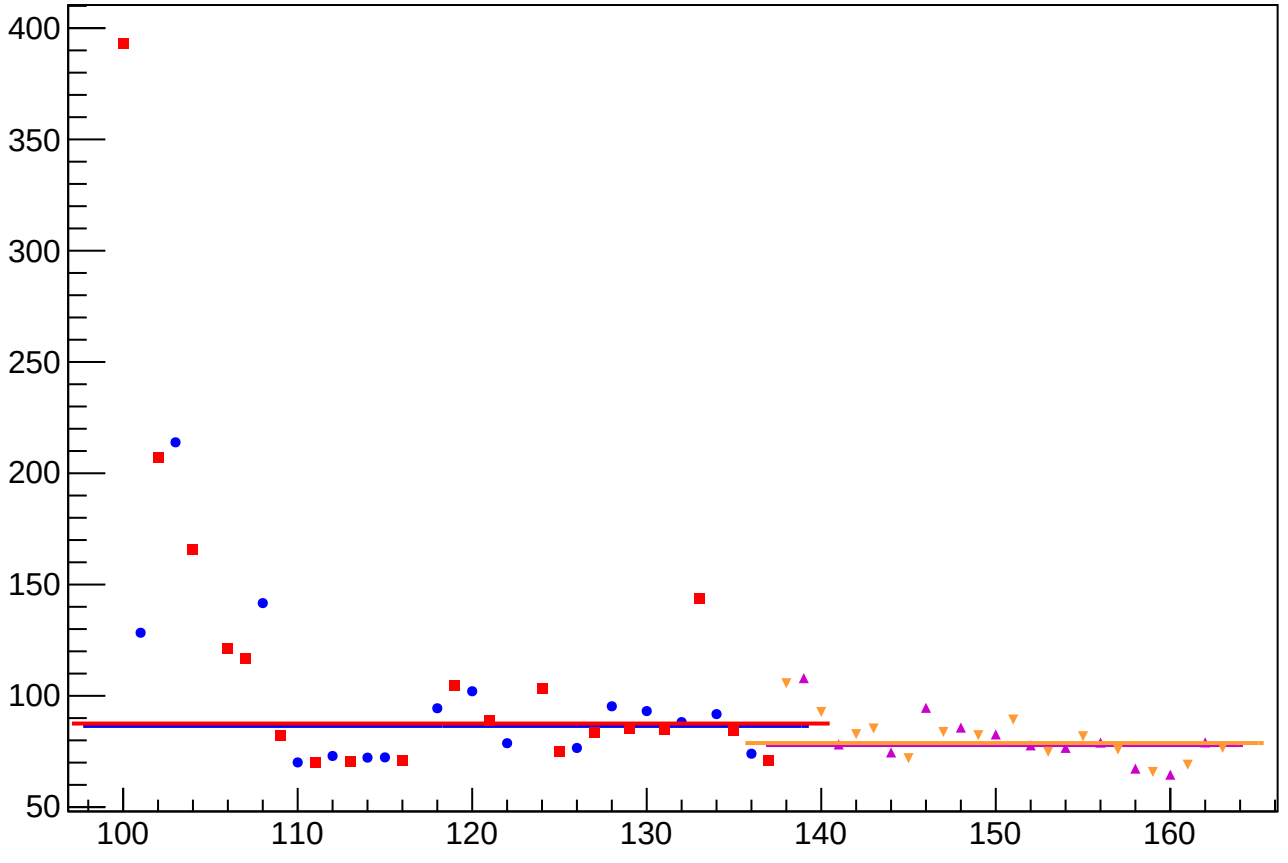
Left In: -54.932+/-24.799 χ^2/NDF:21.8/11

+ sign 65.818+/-19.584 χ^2/NDF: 52.4/29

All: 20.659+/-14.010 χ^2/NDF: 112.4/60

- sign -26.679+/-20.051 χ^2/NDF: 49.1/30

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 78.787+/-0.017 χ^2/NDF:298072.5/13

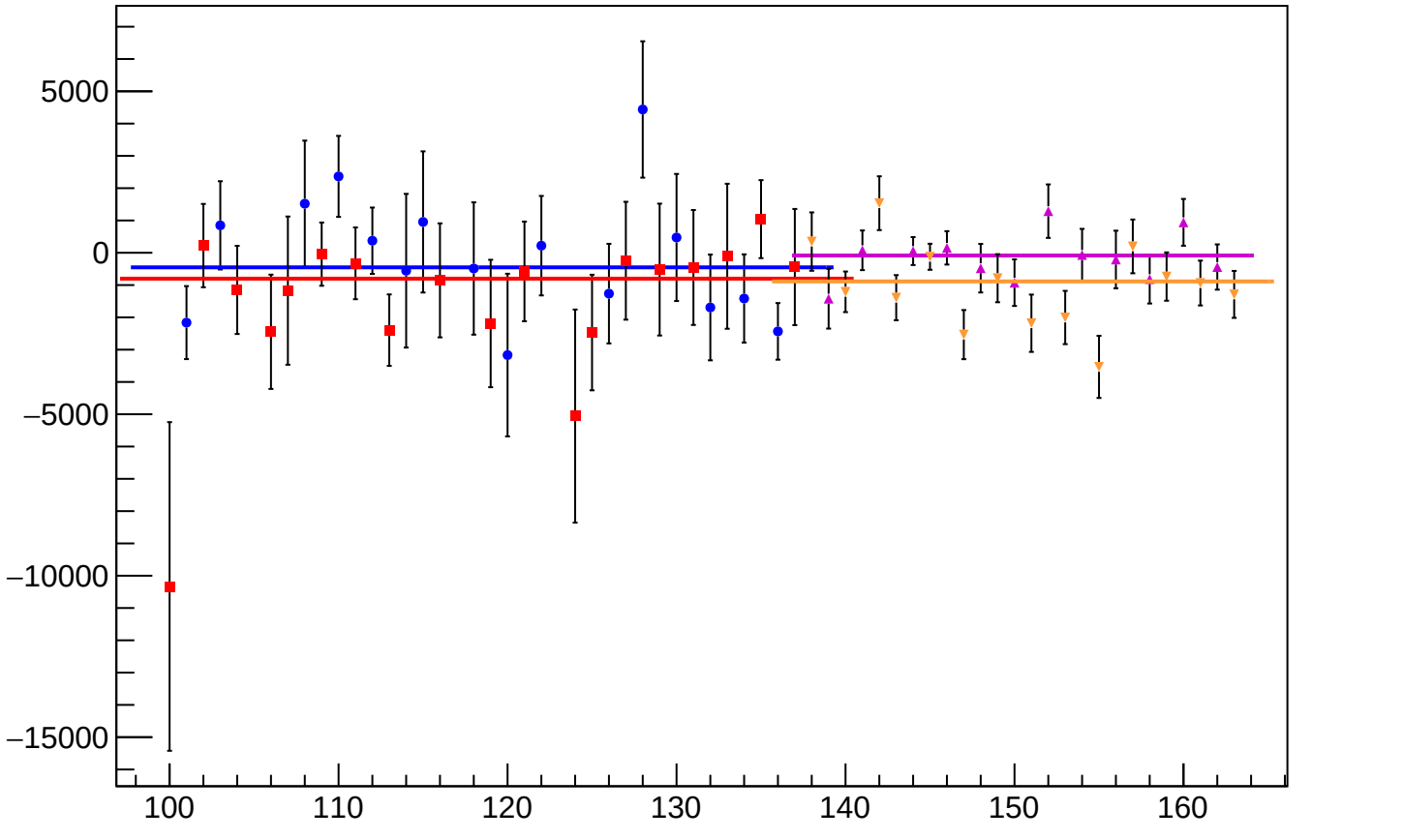
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 77.902+/-0.018 χ^2/NDF:317614.5/11

+ sign 81.379+/-0.014 χ^2/NDF: 1223397.5/29

All: 81.313+/-0.010 χ^2/NDF: 2775782.1/60

- sign 81.245+/-0.014 χ^2/NDF: 1552339.0/30



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -886.720+/-189.148 χ^2/NDF:33.0/13

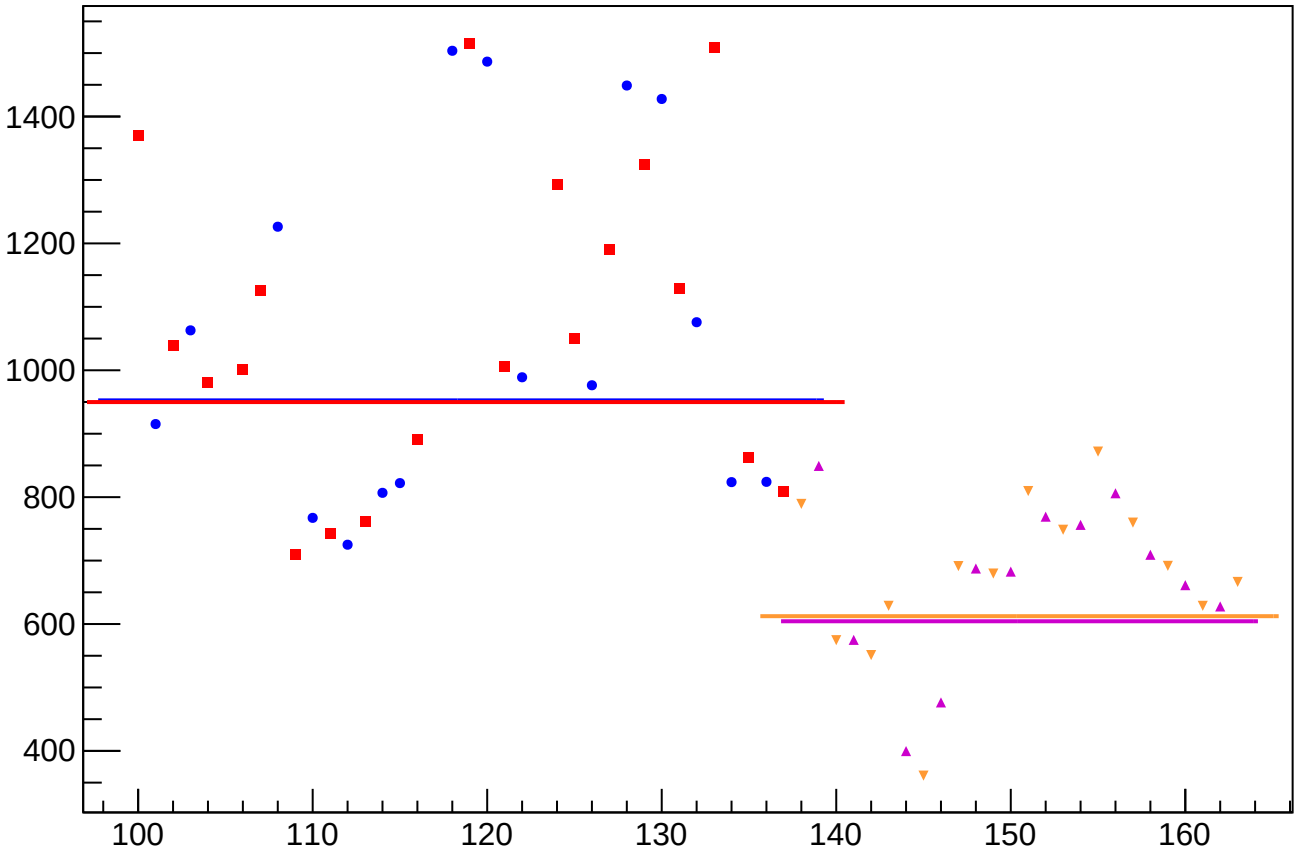
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: -84.565+/-194.142 χ^2/NDF:10.1/11

+ sign -794.800+/-167.996 χ^2/NDF: 57.8/29

All: -525.444+/-119.718 χ^2/NDF: 89.8/60

- sign -247.518+/-170.648 χ^2/NDF: 26.8/30



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 612.372+/-0.134 χ^2/NDF:1307004.5/13

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

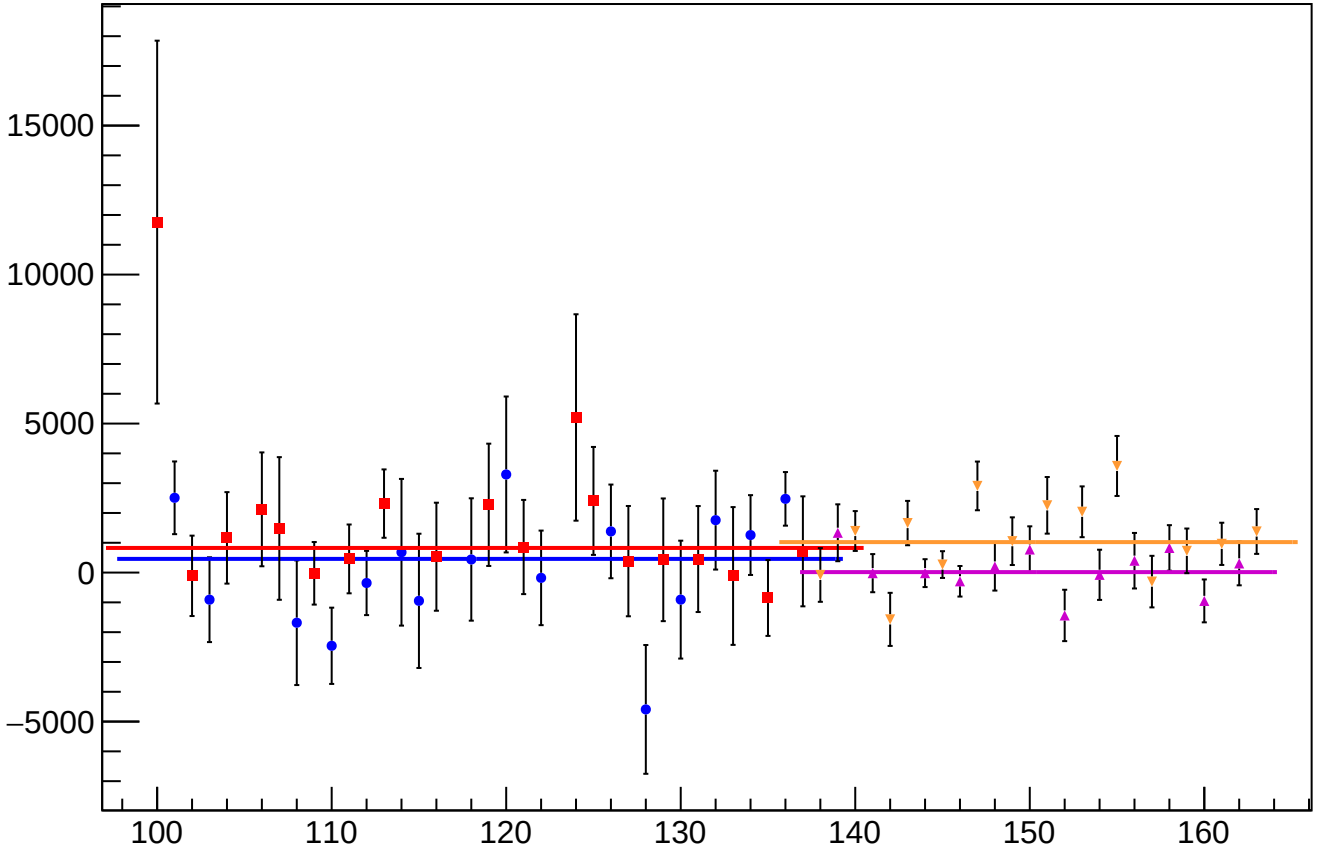
Left In: 604.351+/-0.137 χ^2/NDF:1067611.8/11

\+ sign 684.198+/-0.119 χ^2/NDF: 3419241.2/29

All: 683.570+/-0.085 χ^2/NDF: 6679196.1/60

\- sign 682.922+/-0.121 χ^2/NDF: 3259898.1/30

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.514+/-200.388 χ^2/NDF:31.4/13

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

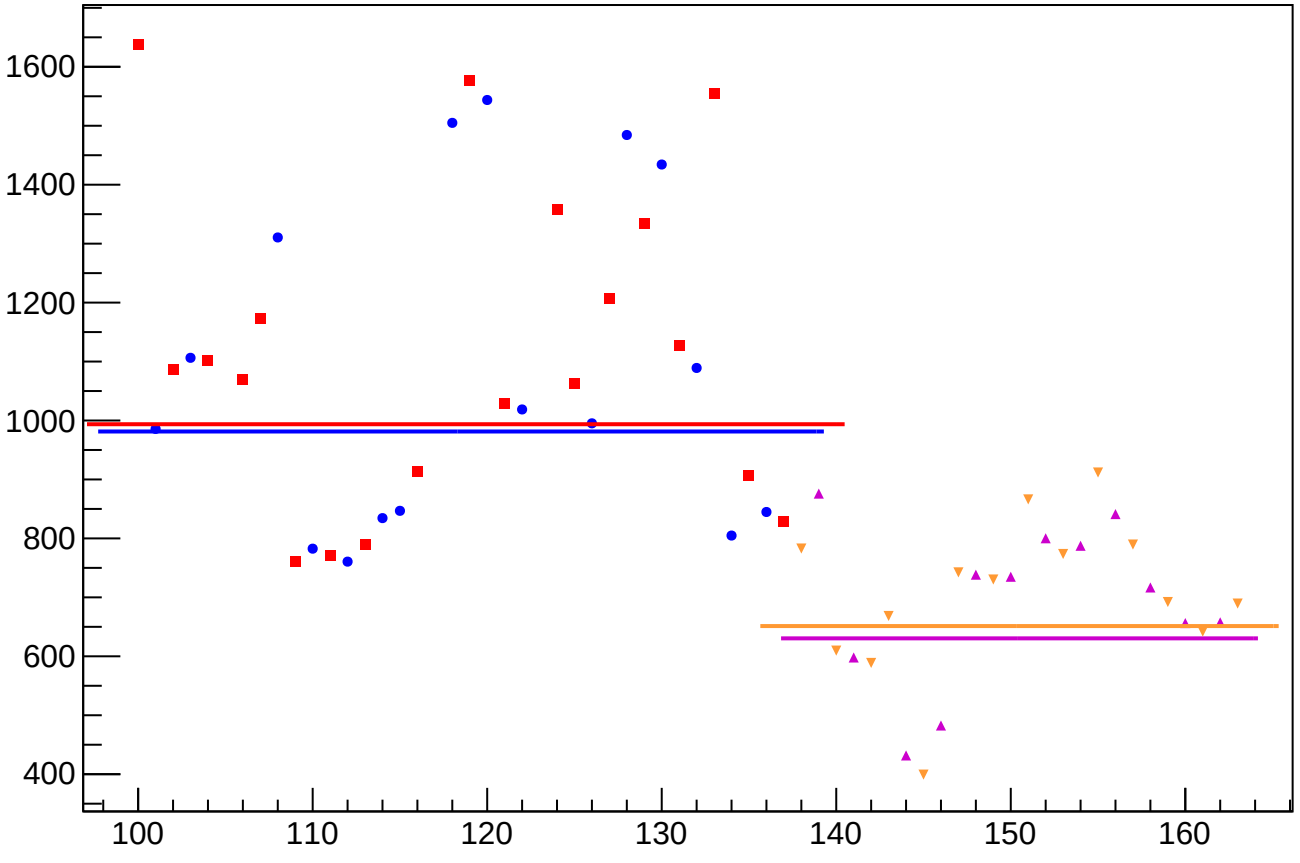
Left In: 15.485+/-202.005 χ^2/NDF:9.4/11

+ sign 898.343+/-176.932 χ^2/NDF: 57.8/29

All: 550.047+/-125.402 χ^2/NDF: 90.2/60

- sign 198.471+/-177.763 χ^2/NDF: 24.7/30

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 651.295+/-0.142 χ^2/NDF:1075519.4/13

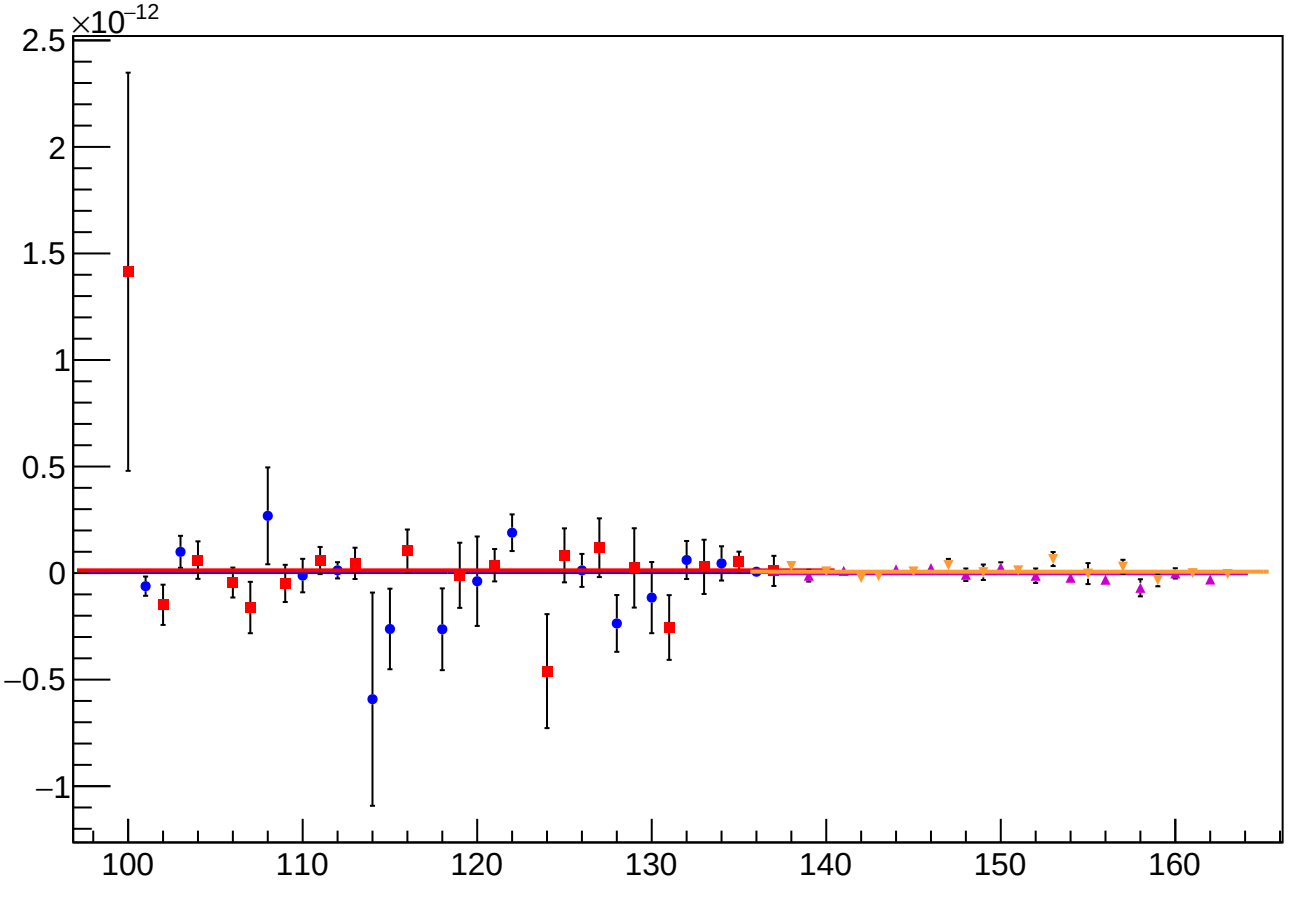
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 630.436+/-0.143 χ^2/NDF:1016780.9/11

\+ sign 724.040+/-0.125 χ^2/NDF: 3009004.7/29

All: 718.243+/-0.089 χ^2/NDF: 6208990.2/60

\- sign 712.391+/-0.126 χ^2/NDF: 3195671.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/13

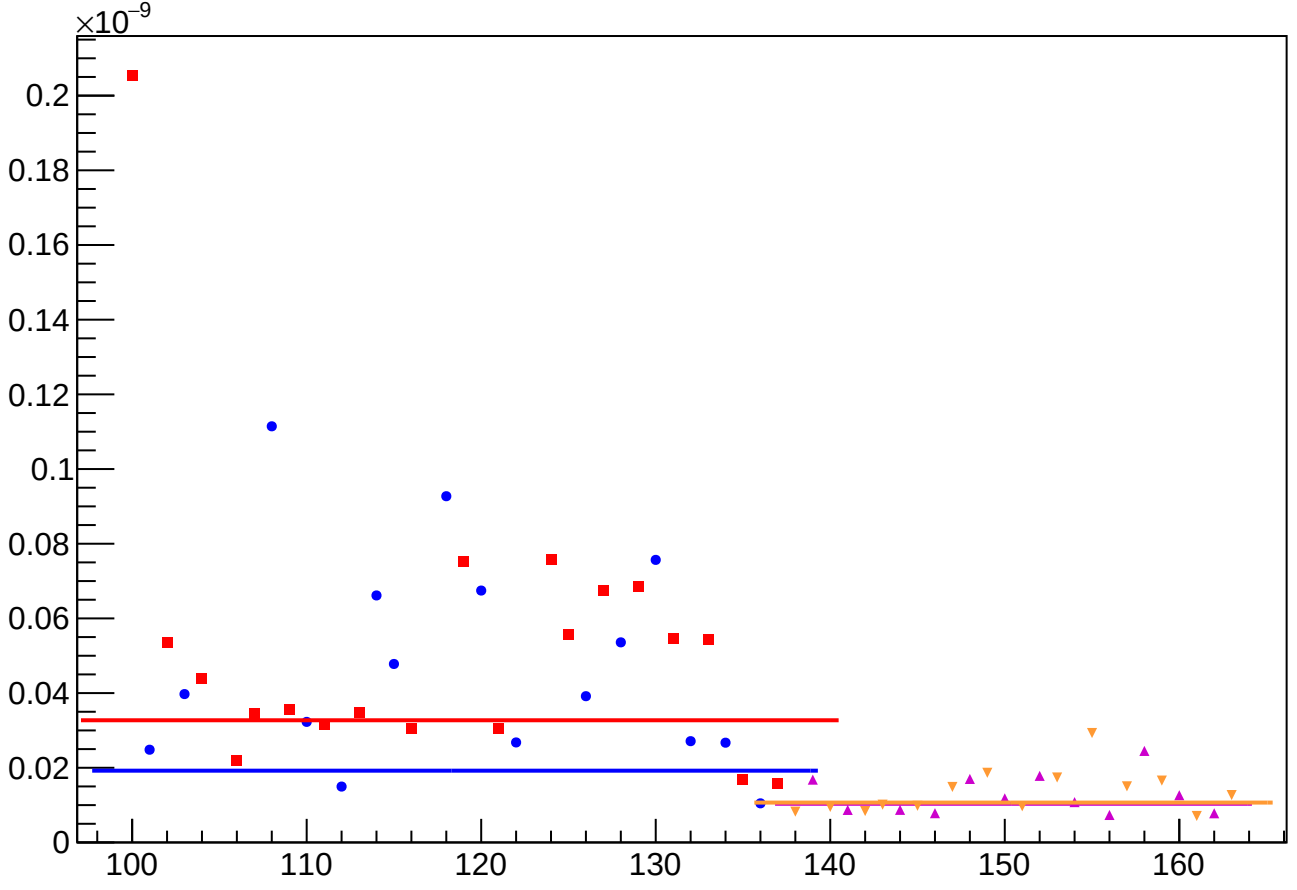
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/29

All: 0.000+/-0.000 χ^2/NDF: 66.2/60

- sign -0.000+/-0.000 χ^2/NDF: 33.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:835997.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

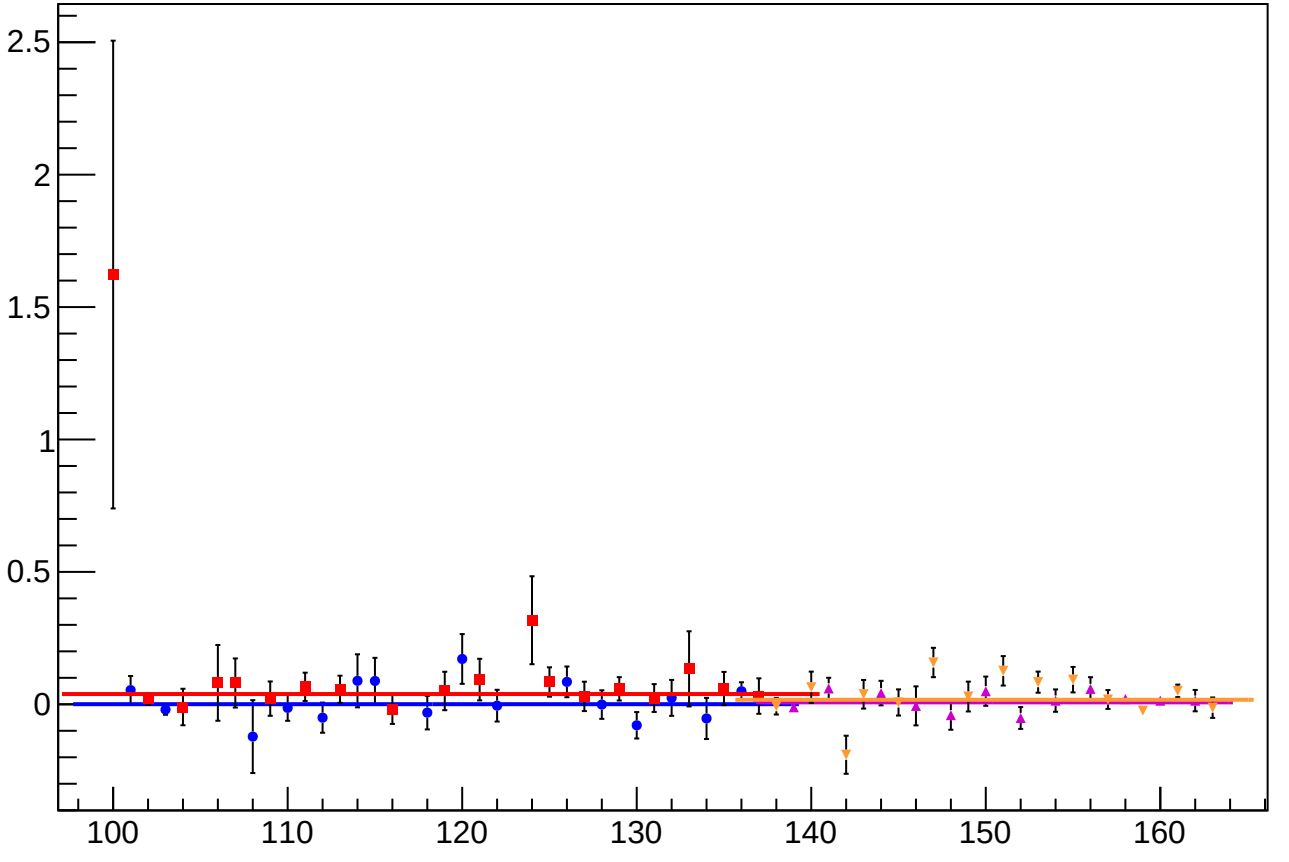
Left In: 0.000+/-0.000 χ^2/NDF:762332.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 3414640.9/29

All: 0.000+/-0.000 χ^2/NDF: 7502133.5/60

- sign 0.000+/-0.000 χ^2/NDF: 4085755.7/30

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: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

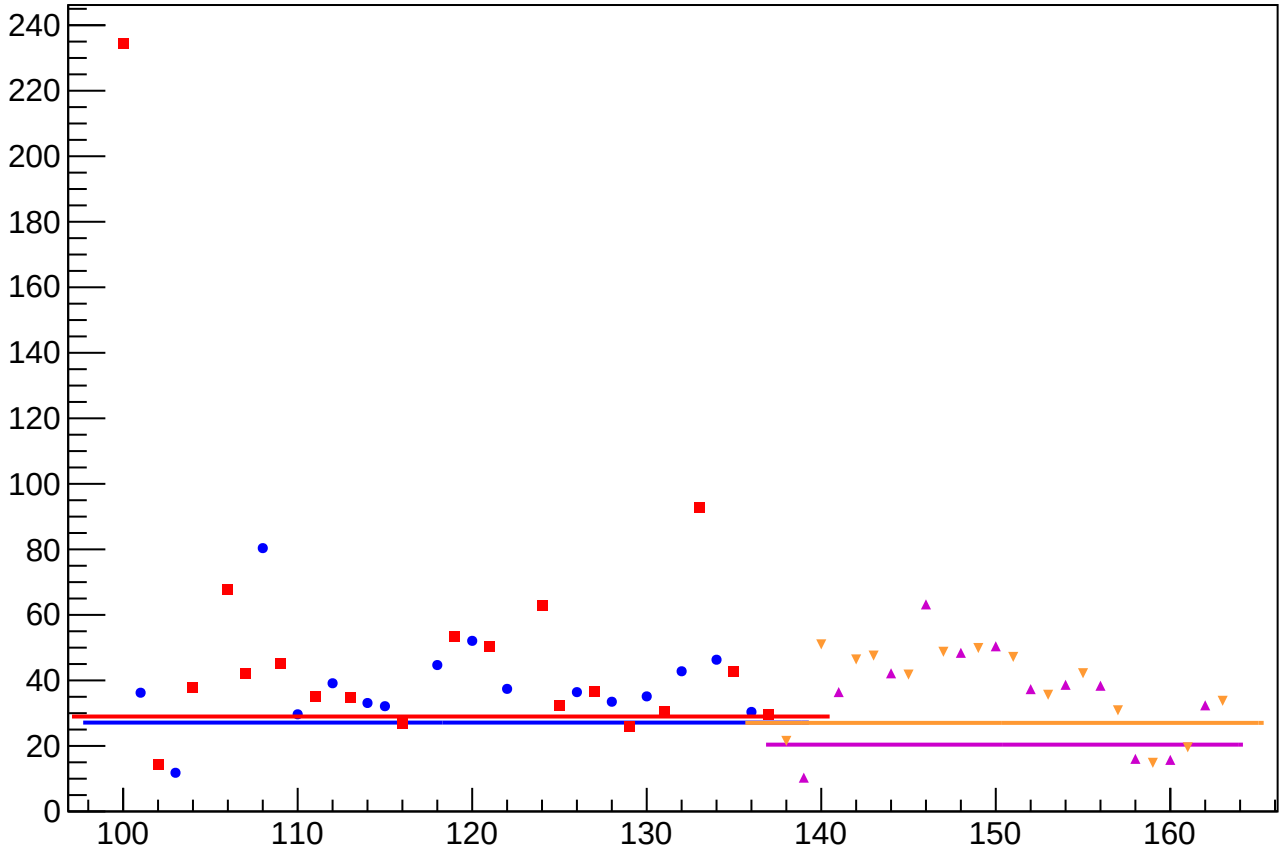
Left In: 0.007+/-0.008 χ^2/NDF:9.6/11

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 77.3/60

- sign 0.016+/-0.007 χ^2/NDF: 25.2/30

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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

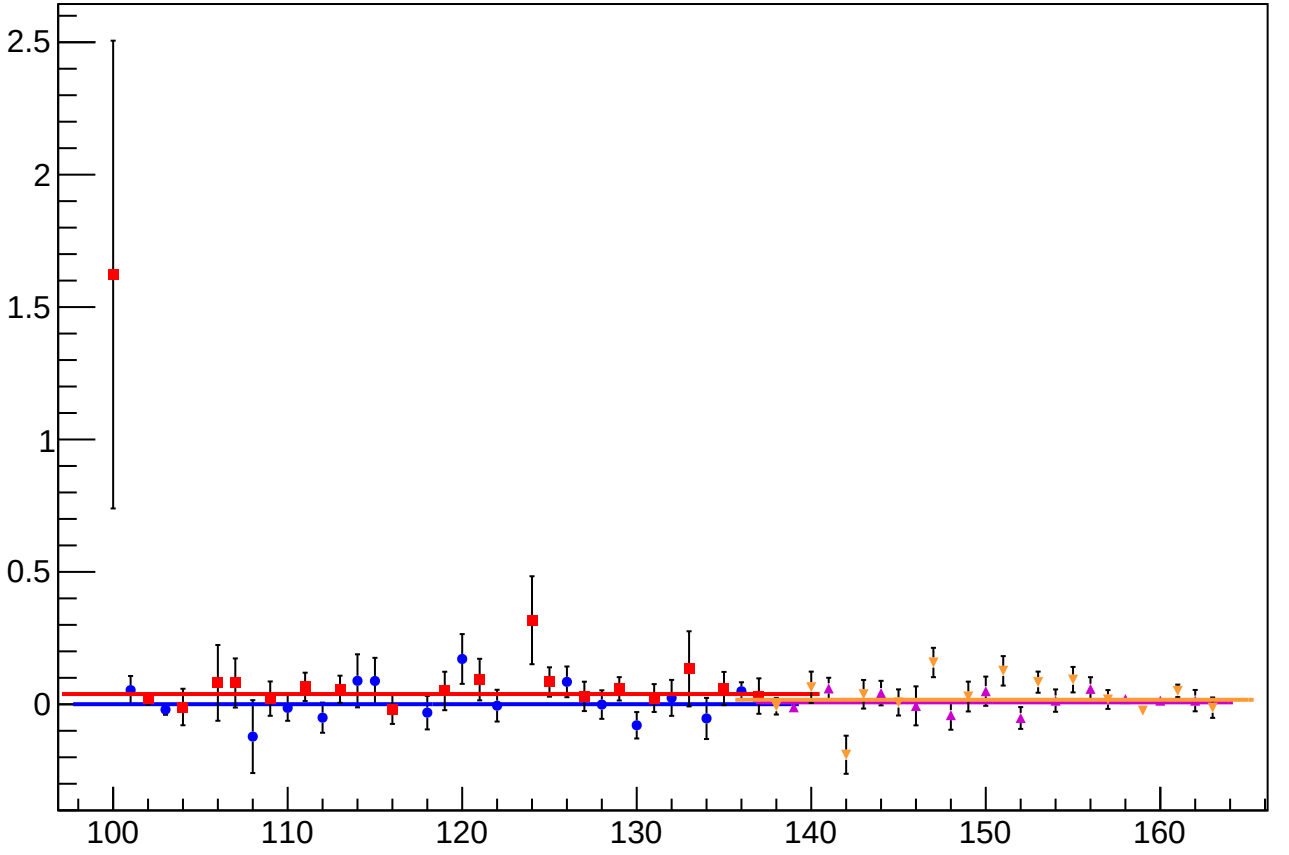
Left In: 20.394+/-0.006 χ^2/NDF:5148282.2/11

+ sign 27.073+/-0.005 χ^2/NDF: 5986875.7/29

All: 24.719+/-0.004 χ^2/NDF: 14618911.2/60

- sign 22.806+/-0.005 χ^2/NDF: 8268264.2/30

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

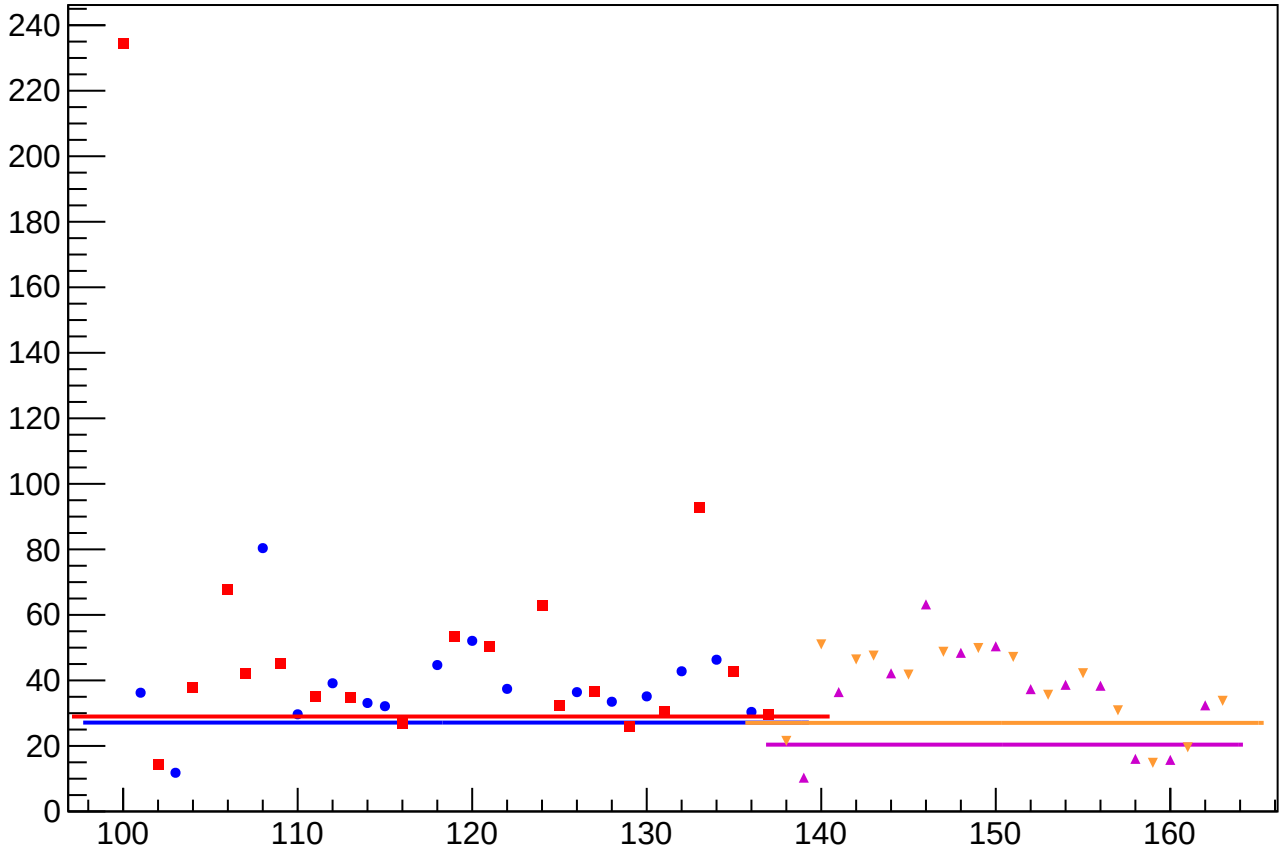
Left In: 0.007+/-0.008 χ^2/NDF:9.6/11

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 77.3/60

- sign 0.016+/-0.007 χ^2/NDF: 25.2/30

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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

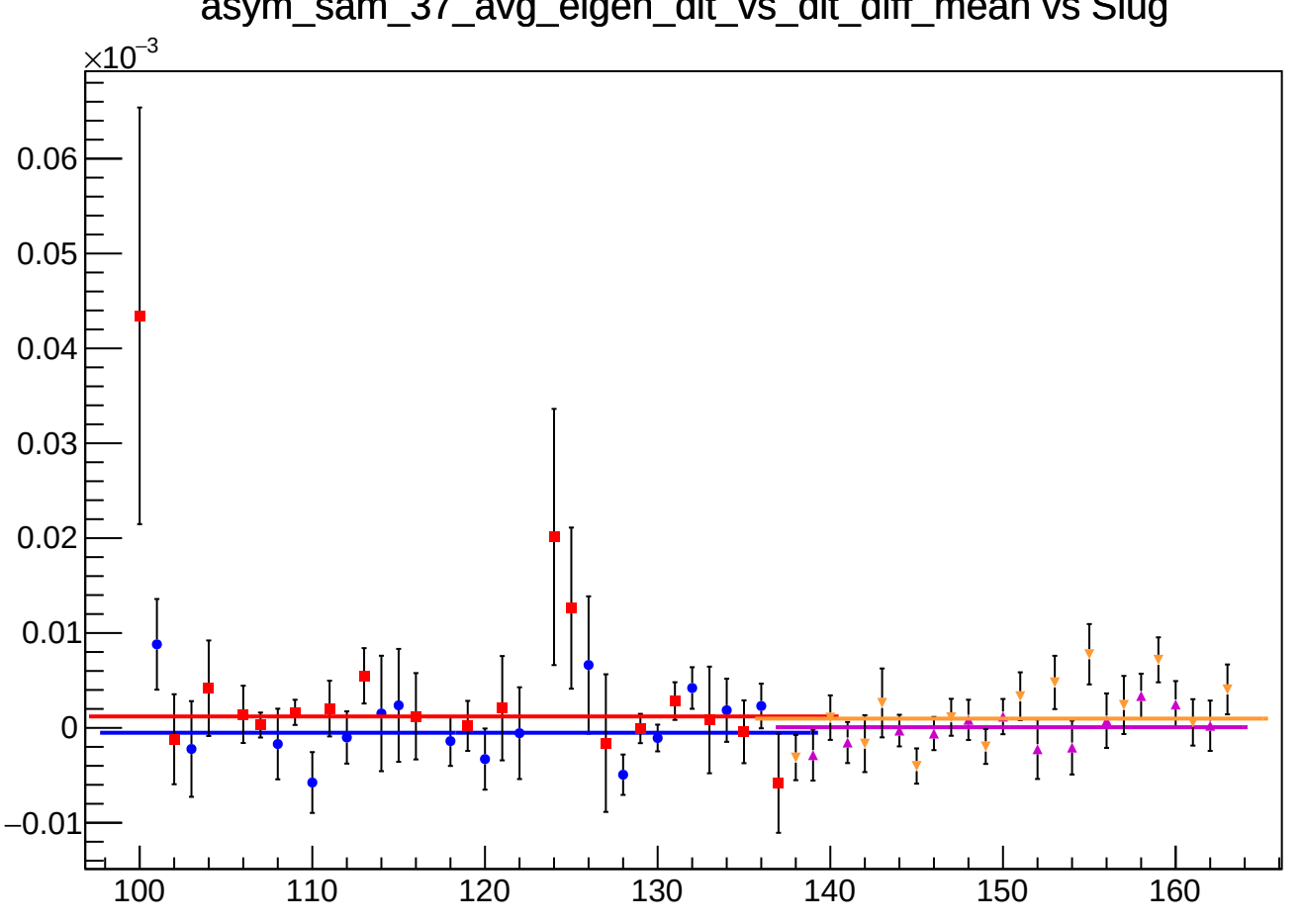
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.394+/-0.006 χ^2/NDF:5148282.2/11

+ sign 27.073+/-0.005 χ^2/NDF: 5986875.7/29

All: 24.719+/-0.004 χ^2/NDF: 14618911.2/60

- sign 22.806+/-0.005 χ^2/NDF: 8268264.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

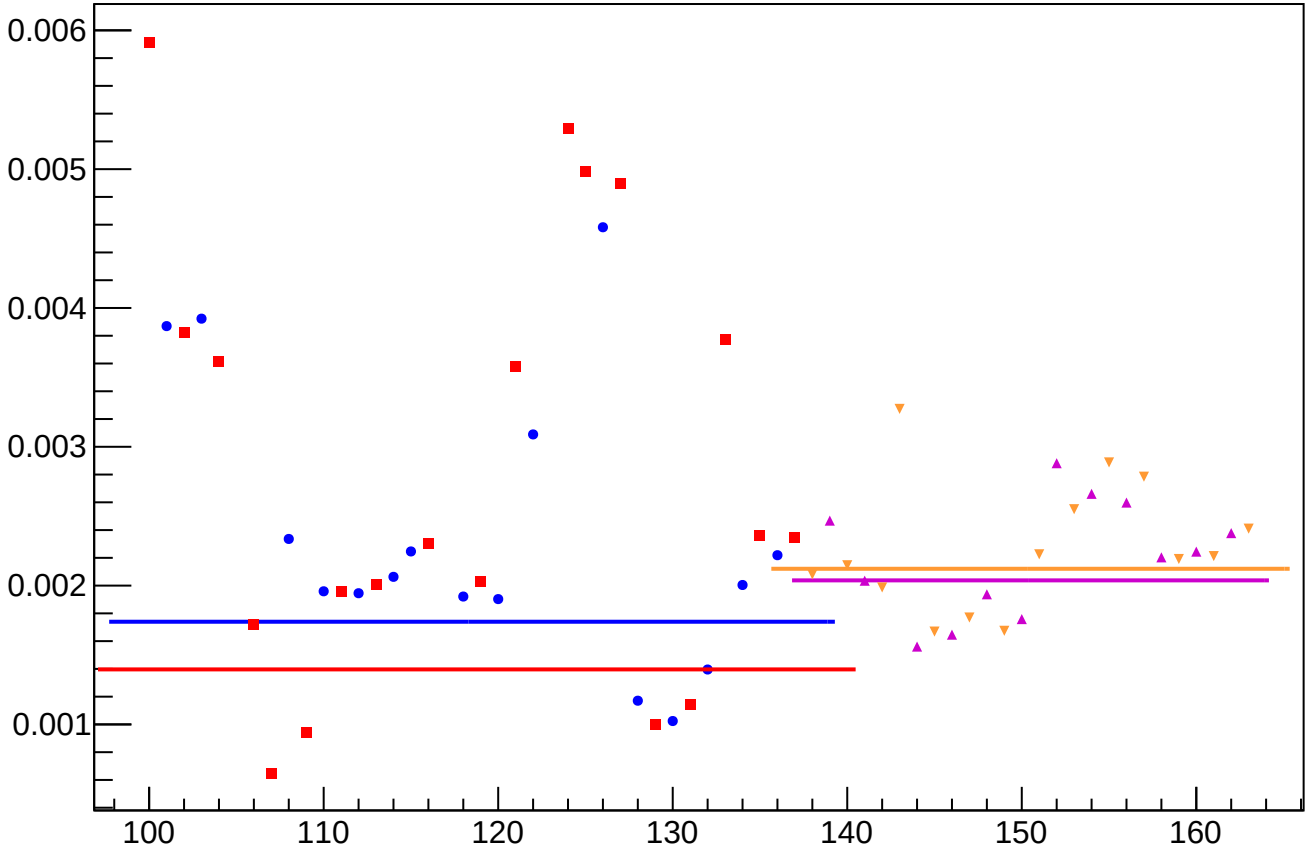
Left In: 0.000+/-0.000 χ^2/NDF:6.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/29

All: 0.000+/-0.000 χ^2/NDF: 74.9/60

- sign 0.000+/-0.000 χ^2/NDF: 22.8/30

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:797190.6/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

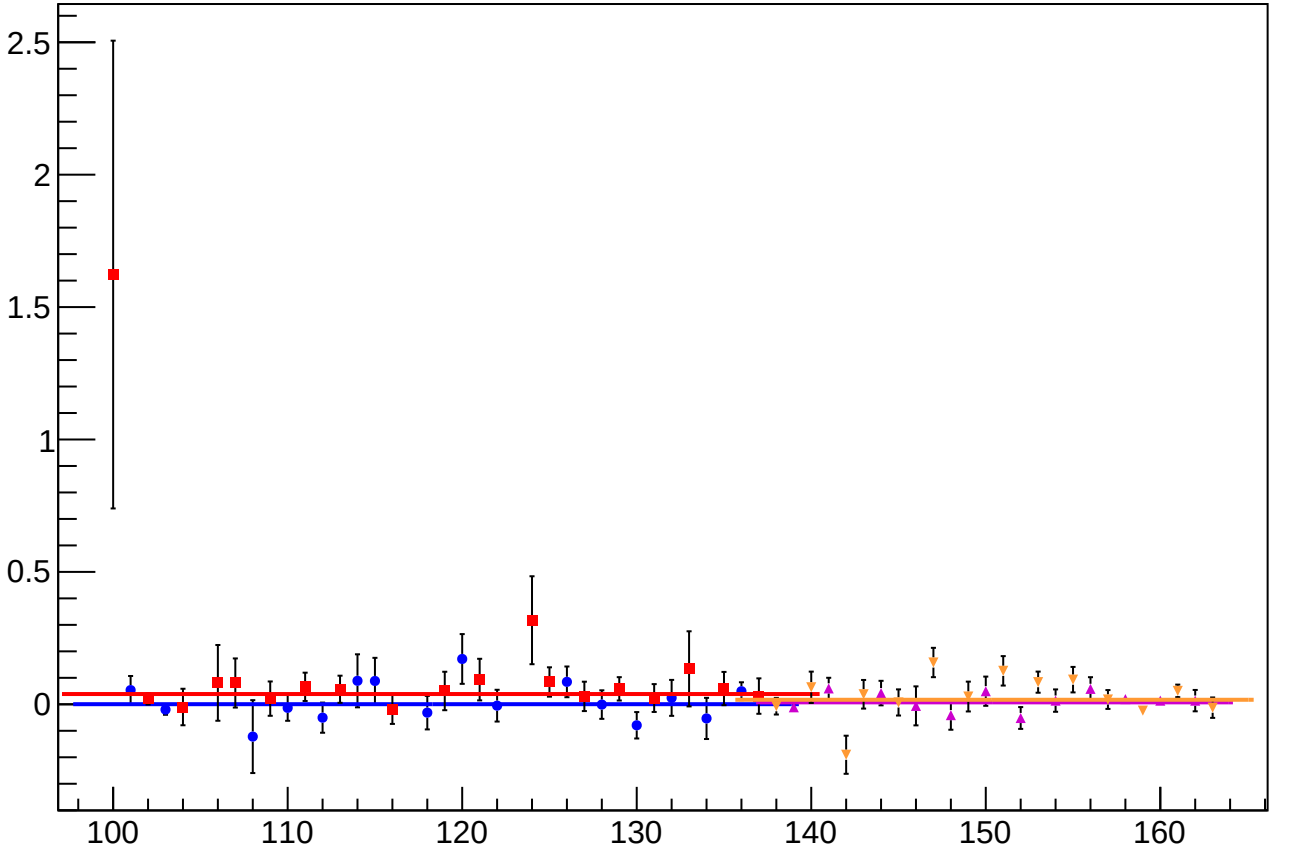
Left In: 0.002+/-0.000 χ^2/NDF:739803.3/11

+ sign 0.002+/-0.000 χ^2/NDF: 3255523.8/29

All: 0.002+/-0.000 χ^2/NDF: 9648045.1/60

- sign 0.002+/-0.000 χ^2/NDF: 6100210.3/30

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: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

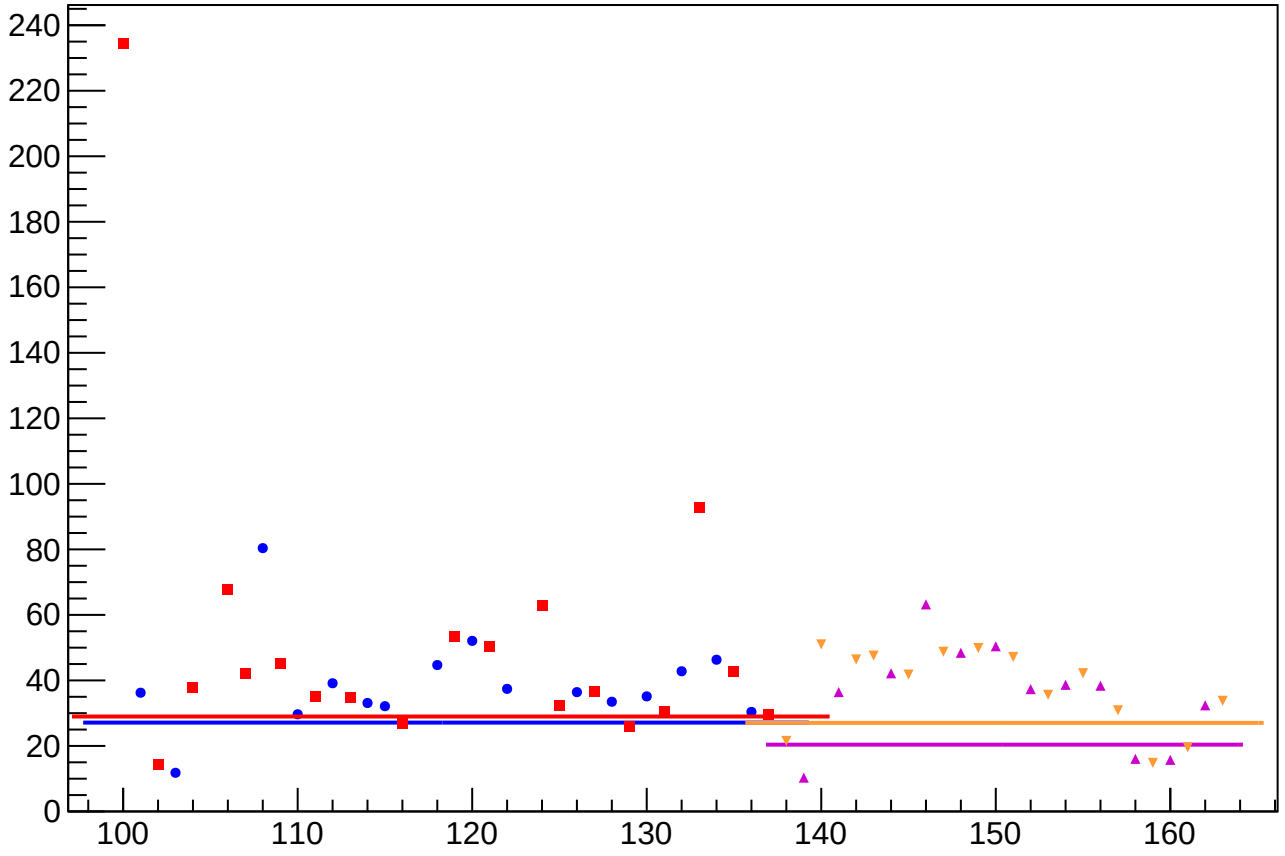
Left In: 0.007+/-0.008 χ^2/NDF:9.6/11

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 77.3/60

- sign 0.016+/-0.007 χ^2/NDF: 25.2/30

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: 27.038+/-0.007 χ^2/NDF:3571923.1/13

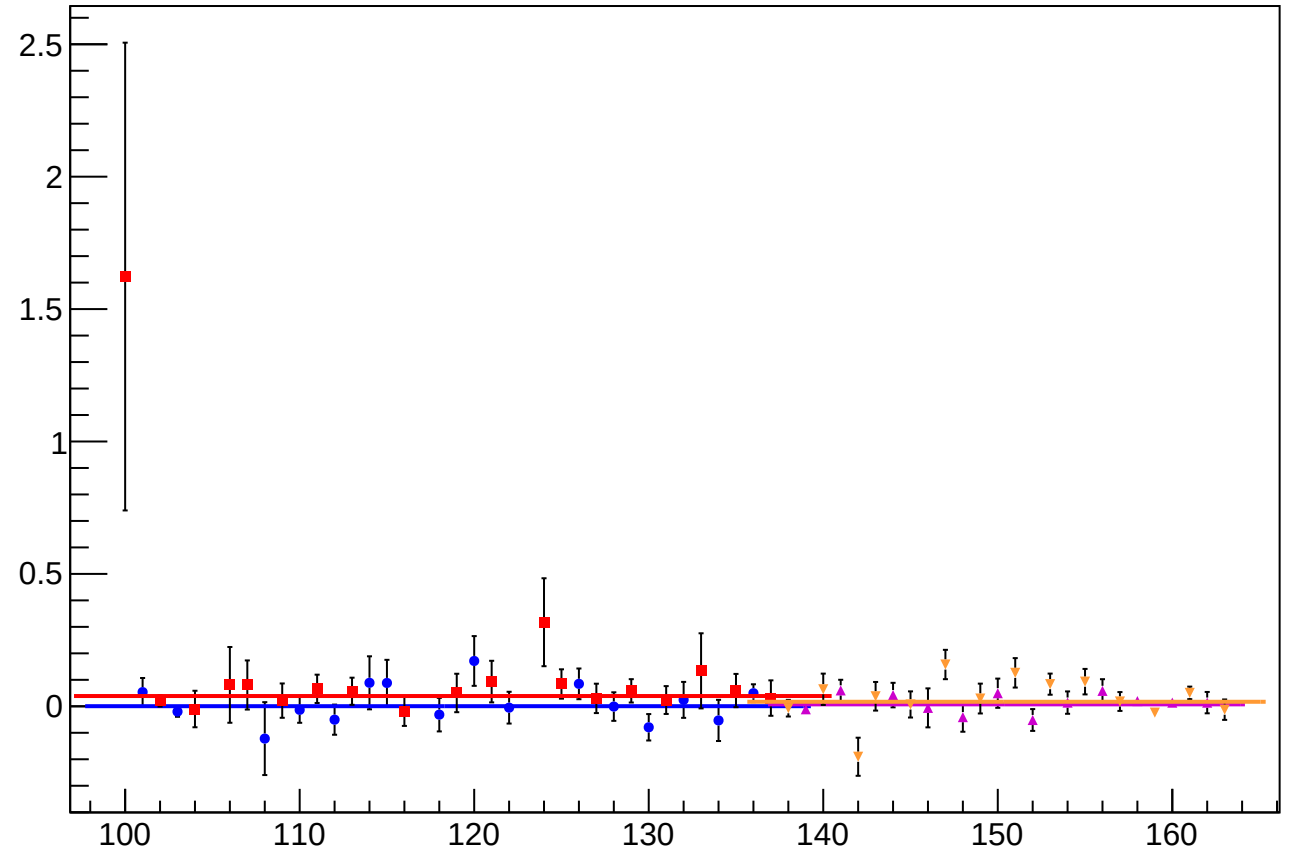
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.393+/-0.006 χ^2/NDF:5148978.9/11

+ sign 27.072+/-0.005 χ^2/NDF: 5987643.0/29

All: 24.718+/-0.004 χ^2/NDF: 14620349.7/60

- sign 22.806+/-0.005 χ^2/NDF: 8268952.1/30



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

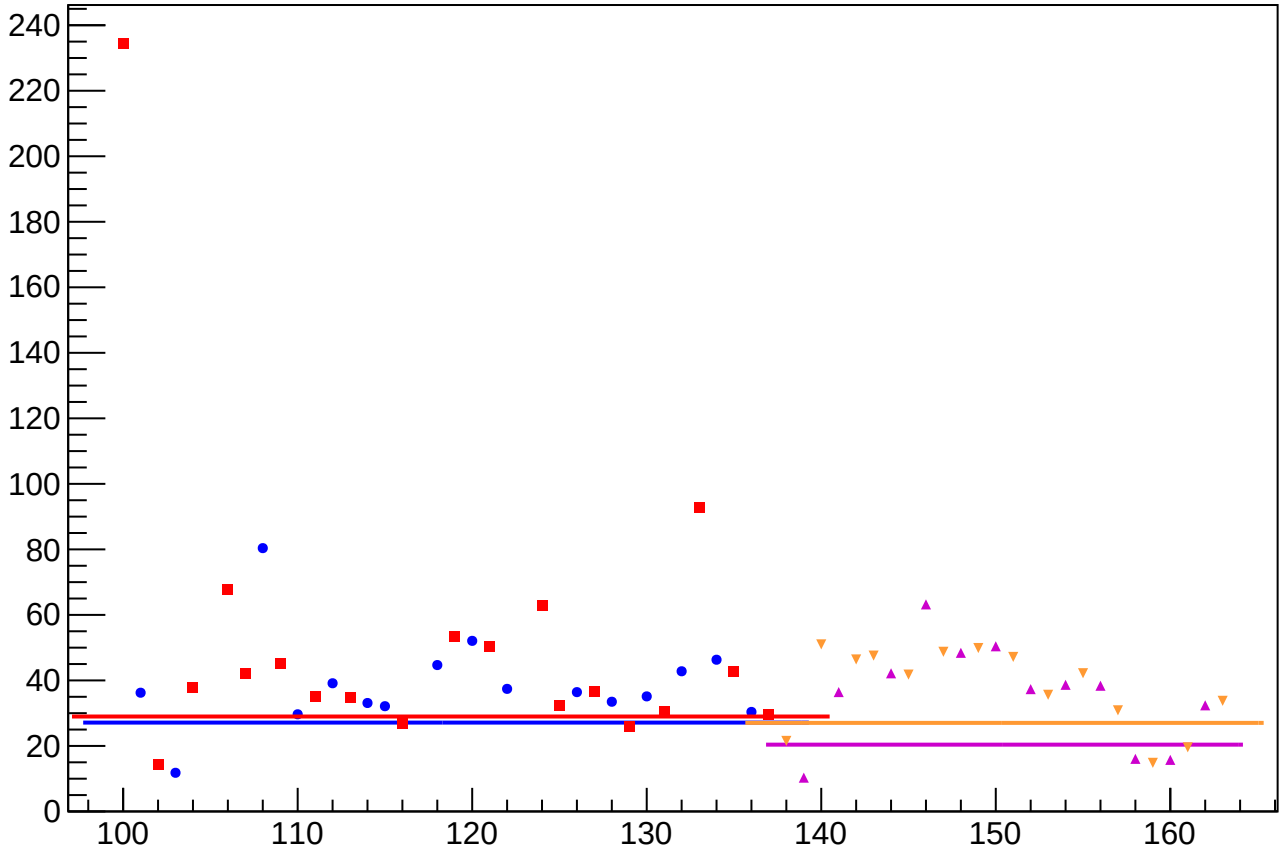
Left In: 0.007+/-0.008 χ^2/NDF:9.6/11

+ sign 0.011+/-0.007 χ^2/NDF: 51.9/29

All: 0.014+/-0.005 χ^2/NDF: 77.3/60

- sign 0.016+/-0.007 χ^2/NDF: 25.2/30

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571923.1/13

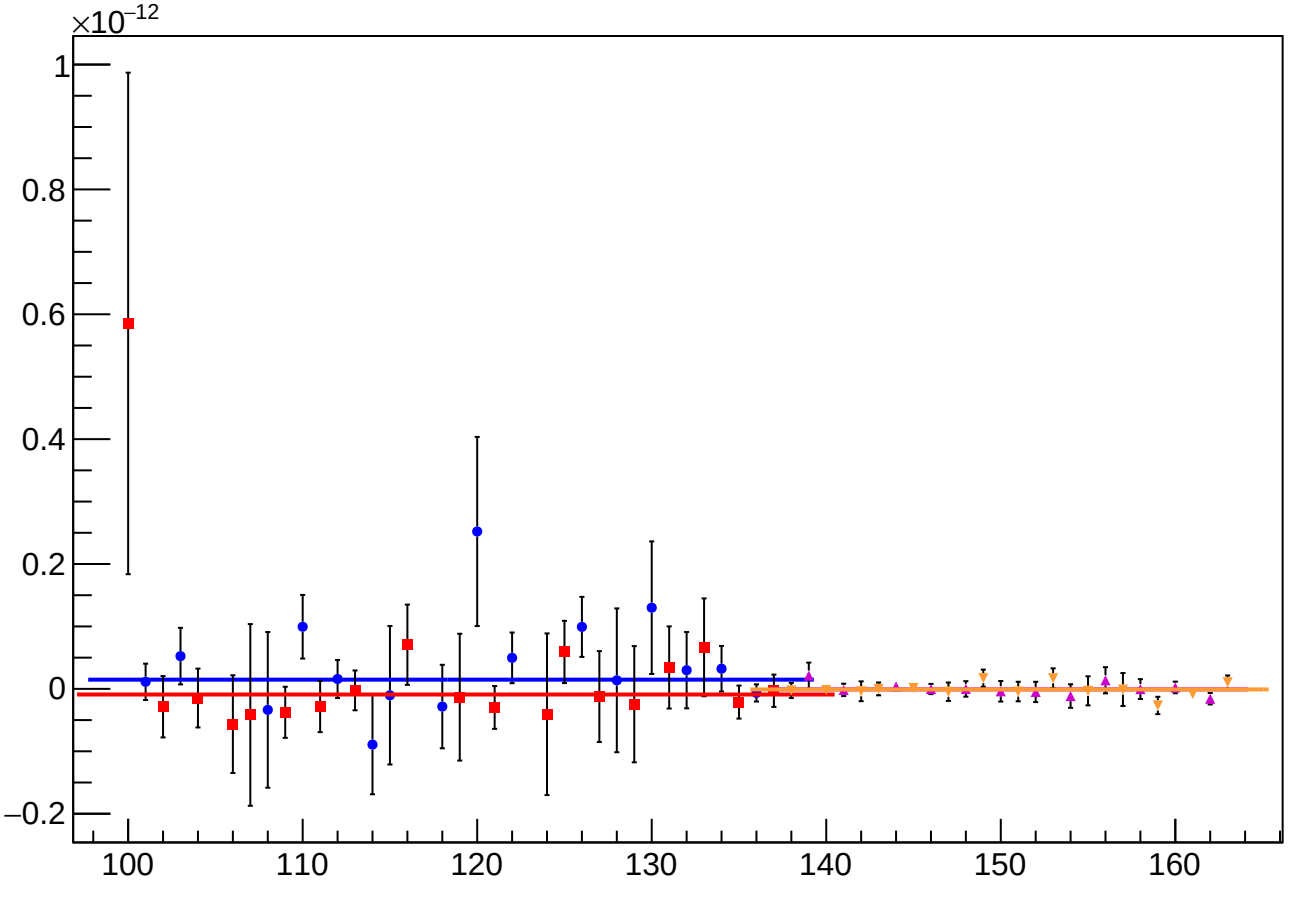
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.393+/-0.006 χ^2/NDF:5148978.9/11

+ sign 27.072+/-0.005 χ^2/NDF: 5987643.0/29

All: 24.718+/-0.004 χ^2/NDF: 14620349.7/60

- sign 22.806+/-0.005 χ^2/NDF: 8268952.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/13

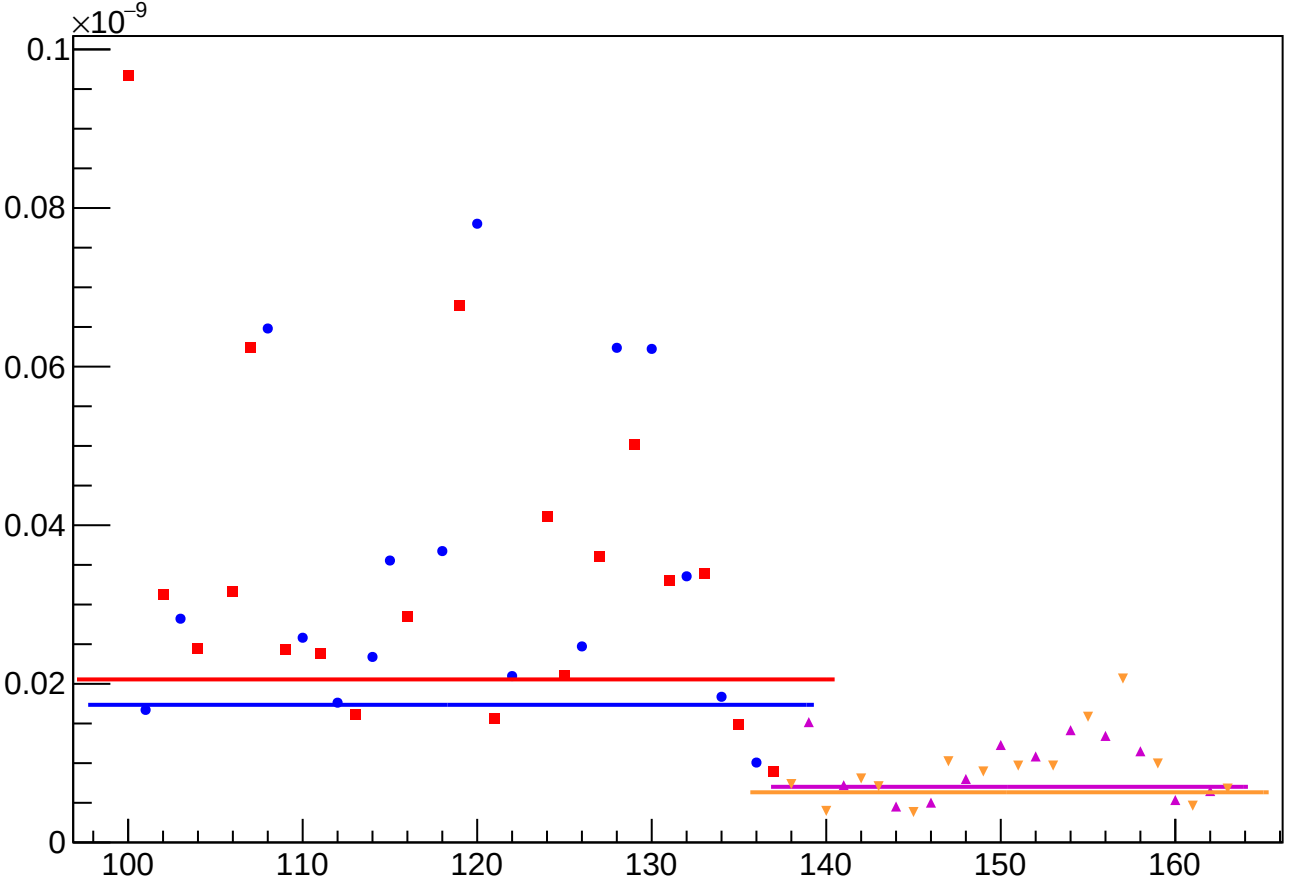
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 27.2/29

All: -0.000+/-0.000 χ^2/NDF: 42.3/60

- sign -0.000+/-0.000 χ^2/NDF: 14.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2151982.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

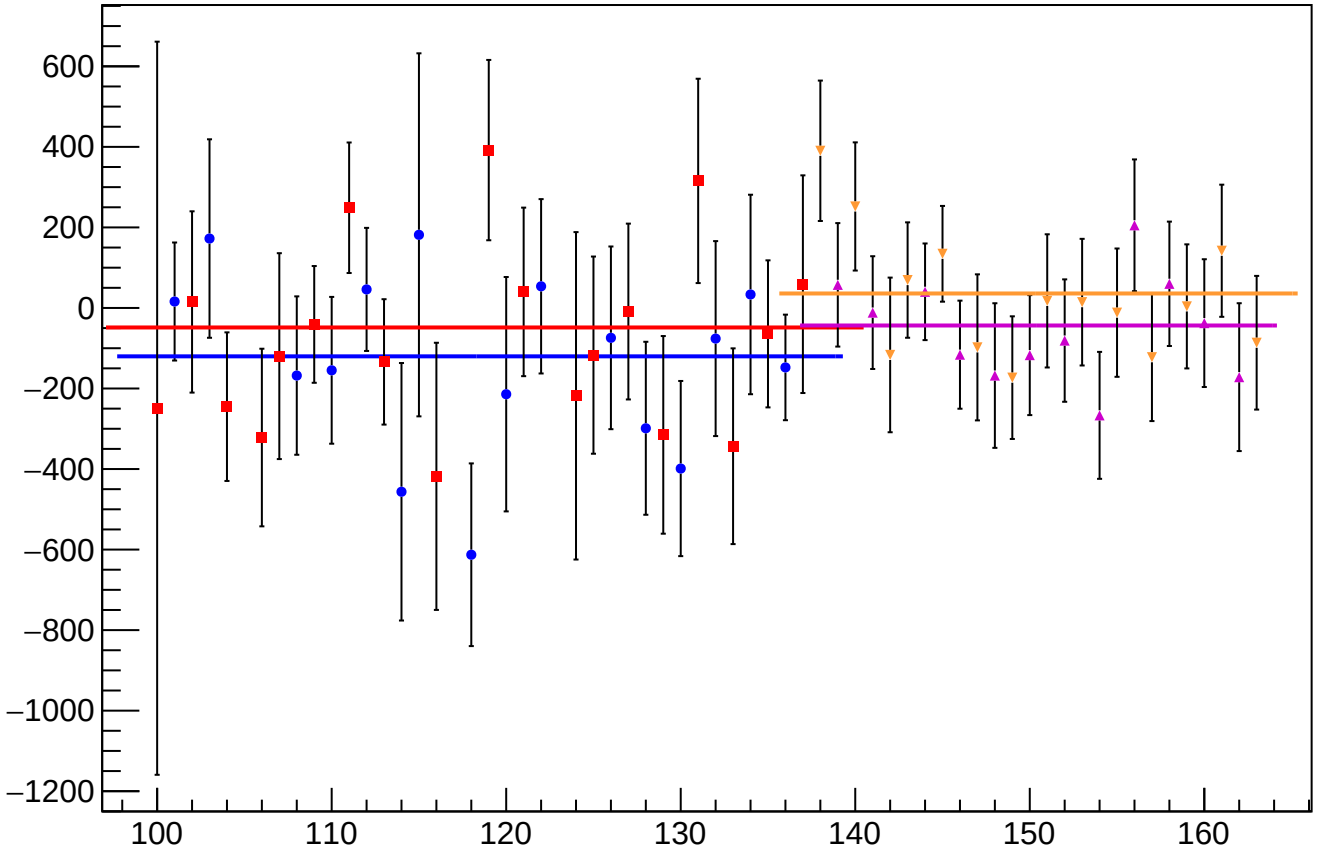
Left In: 0.000+/-0.000 χ^2/NDF:1751107.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 7082060.8/29

All: 0.000+/-0.000 χ^2/NDF: 13715515.6/60

- sign 0.000+/-0.000 χ^2/NDF: 6553678.3/30

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.952+/-42.099 χ^2/NDF:11.9/13

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

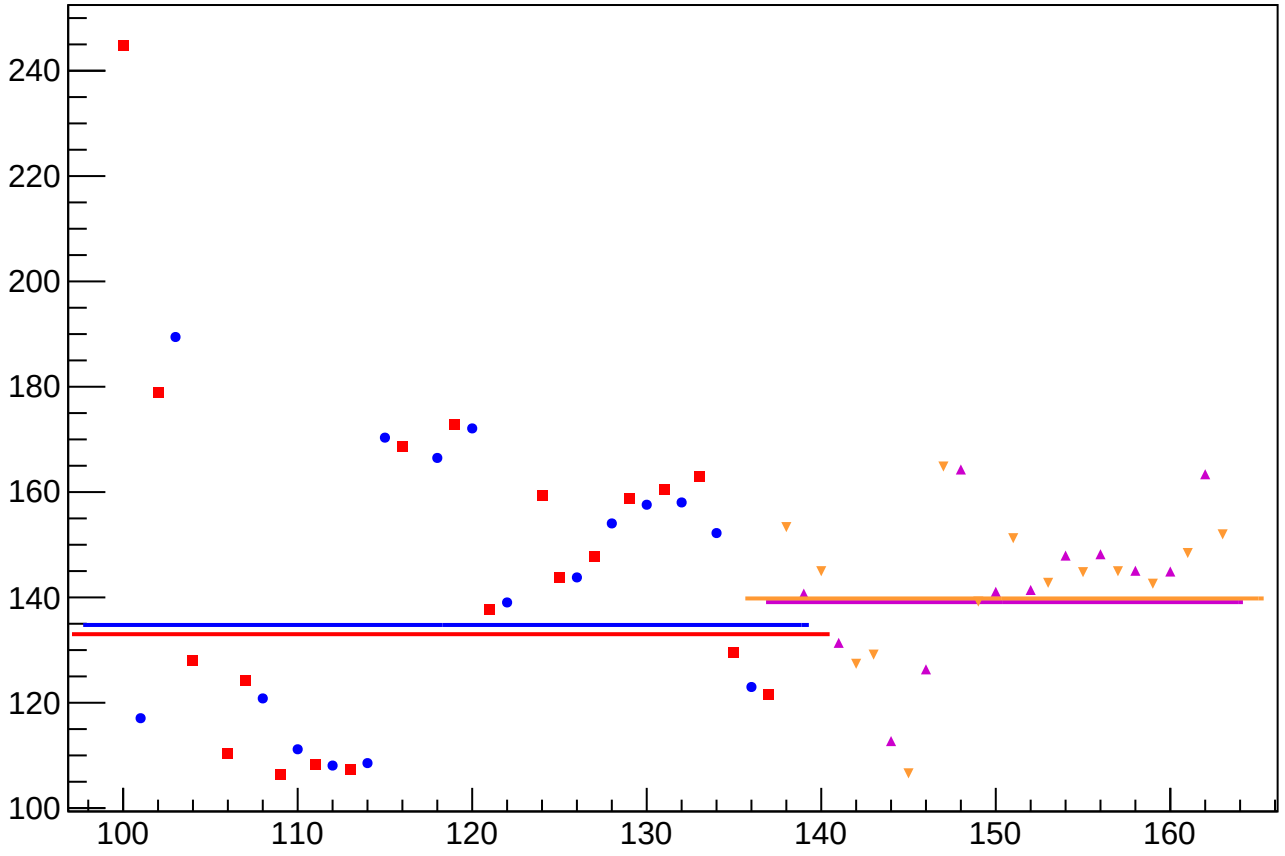
Left In: -43.546+/-43.566 χ^2/NDF:7.3/11

+ sign -27.161+/-32.493 χ^2/NDF: 30.9/29

All: -36.321+/-23.091 χ^2/NDF: 55.3/60

- sign -45.666+/-32.821 χ^2/NDF: 24.3/30

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

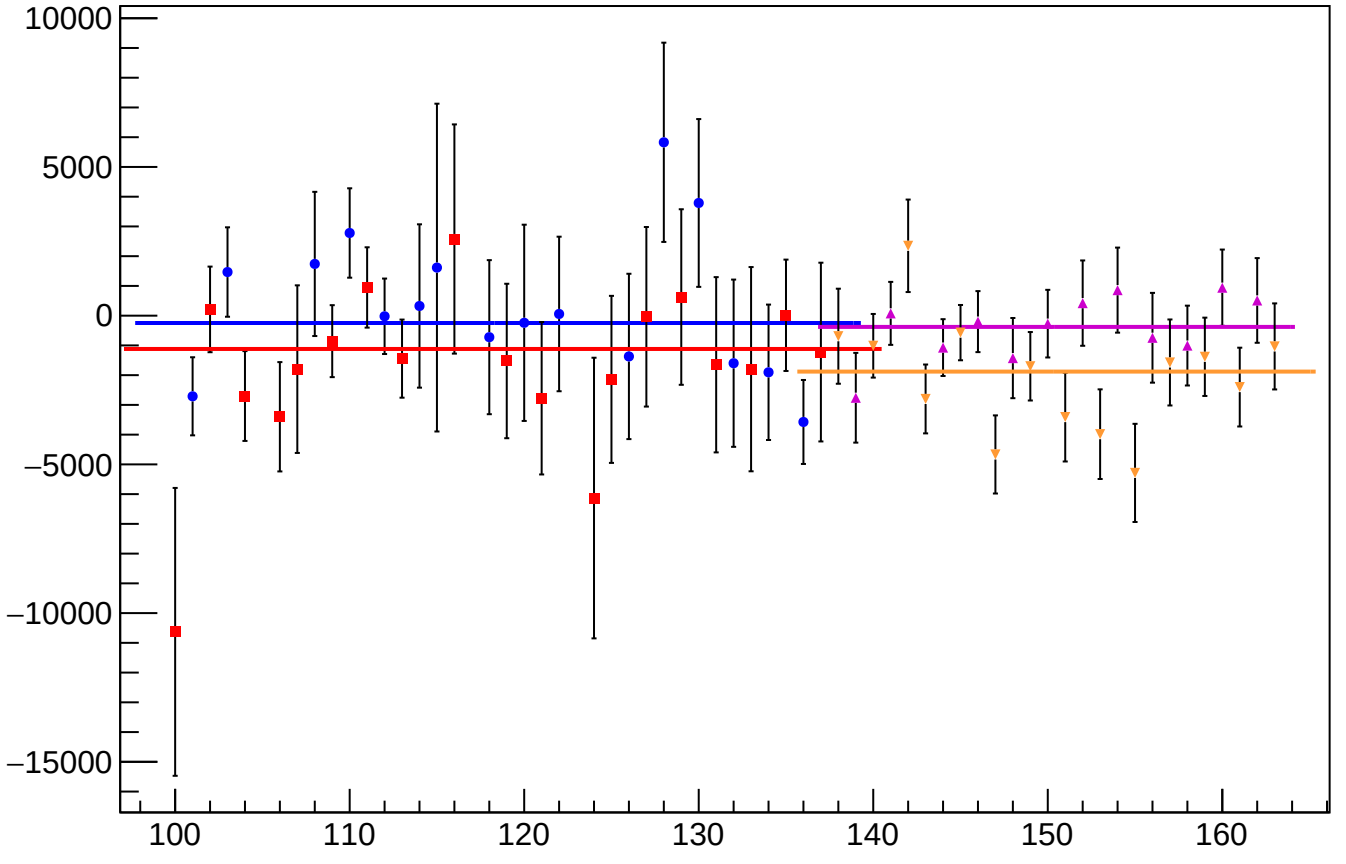
Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

+ sign 137.769+/-0.023 χ^2/NDF: 687440.4/29

All: 137.128+/-0.016 χ^2/NDF: 1415990.1/60

- sign 136.474+/-0.023 χ^2/NDF: 726976.8/30

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1880.102+/-347.598 χ^2/NDF:23.7/13

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

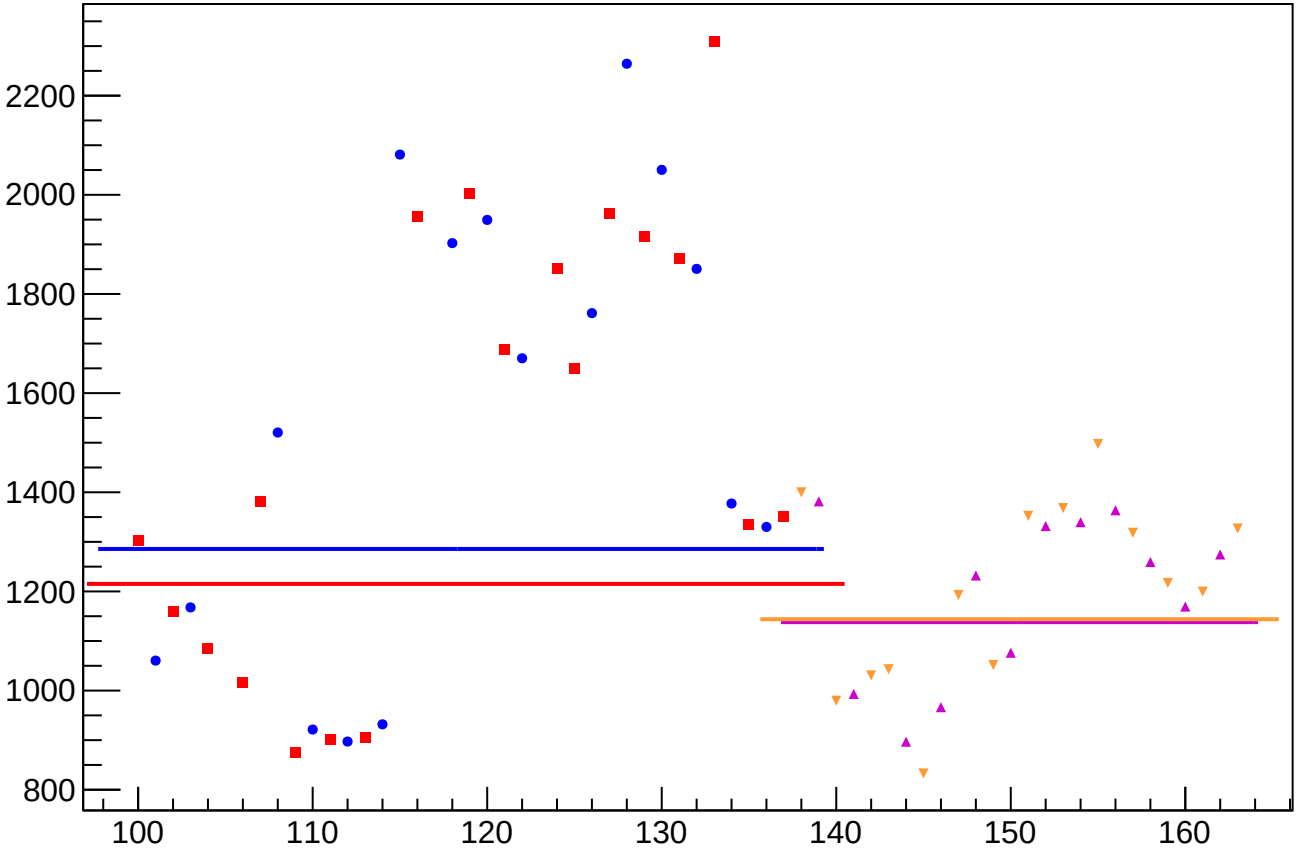
Left In: -377.683+/-358.670 χ^2/NDF:6.6/11

+ sign -1349.810+/-285.668 χ^2/NDF: 52.5/29

All: -999.730+/-201.680 χ^2/NDF: 77.1/60

- sign -651.845+/-284.771 χ^2/NDF: 21.6/30

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1143.926+/-0.246 χ^2/NDF:609979.7/13

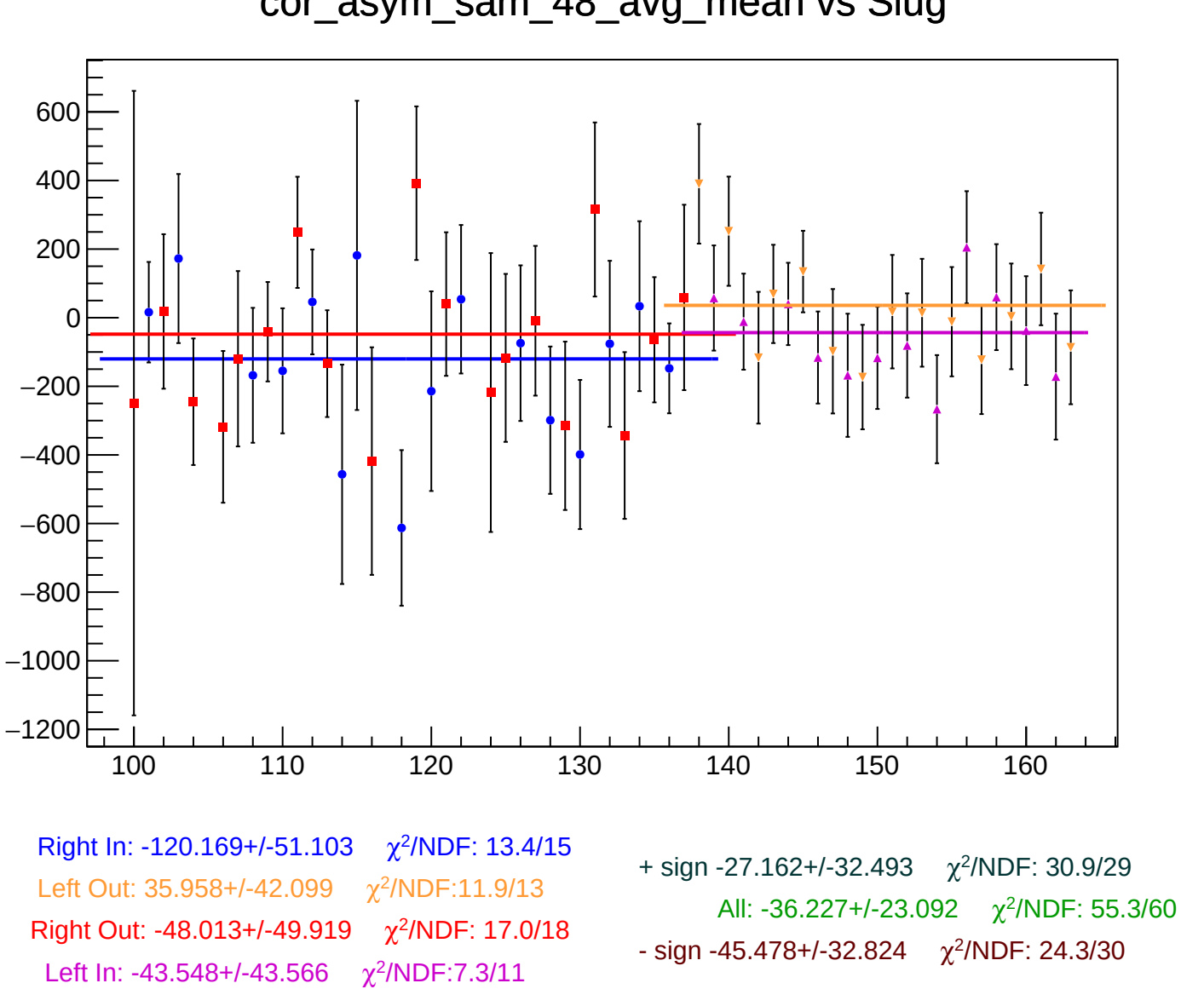
Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1138.112+/-0.254 χ^2/NDF:445486.4/11

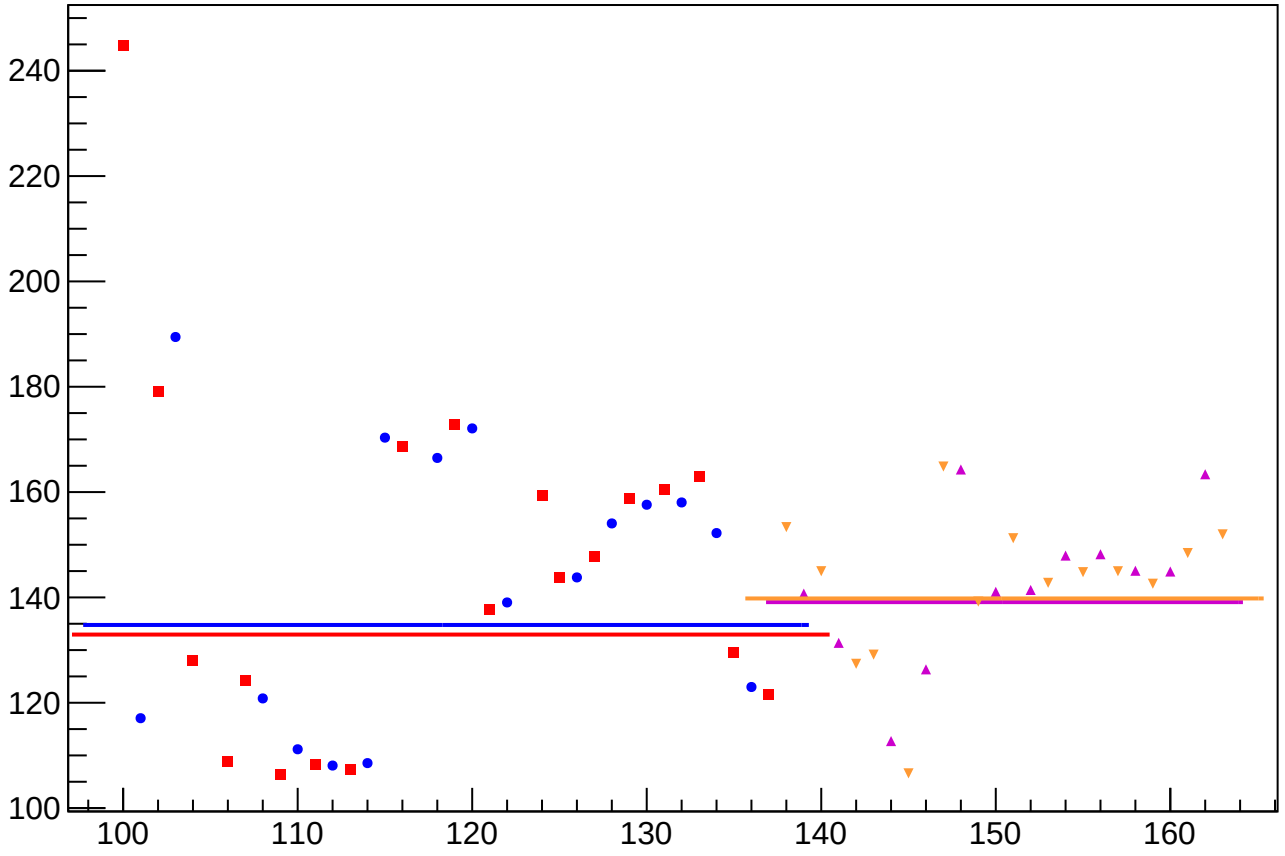
\+ sign 1189.933+/-0.202 χ^2/NDF: 1888363.4/29

All: 1178.239+/-0.143 χ^2/NDF: 3761003.6/60

\- sign 1166.619+/-0.201 χ^2/NDF: 1865958.5/30


cor_asym_sam_48_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 35.958+/-42.099 χ²/NDF:11.9/13
Right Out: -48.013+/-49.919 χ²/NDF: 17.0/18
Left In: -43.548+/-43.566 χ²/NDF:7.3/11
+ sign -27.162+/-32.493 χ²/NDF: 30.9/29
All: -36.227+/-23.092 χ²/NDF: 55.3/60
- sign -45.478+/-32.824 χ²/NDF: 24.3/30

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

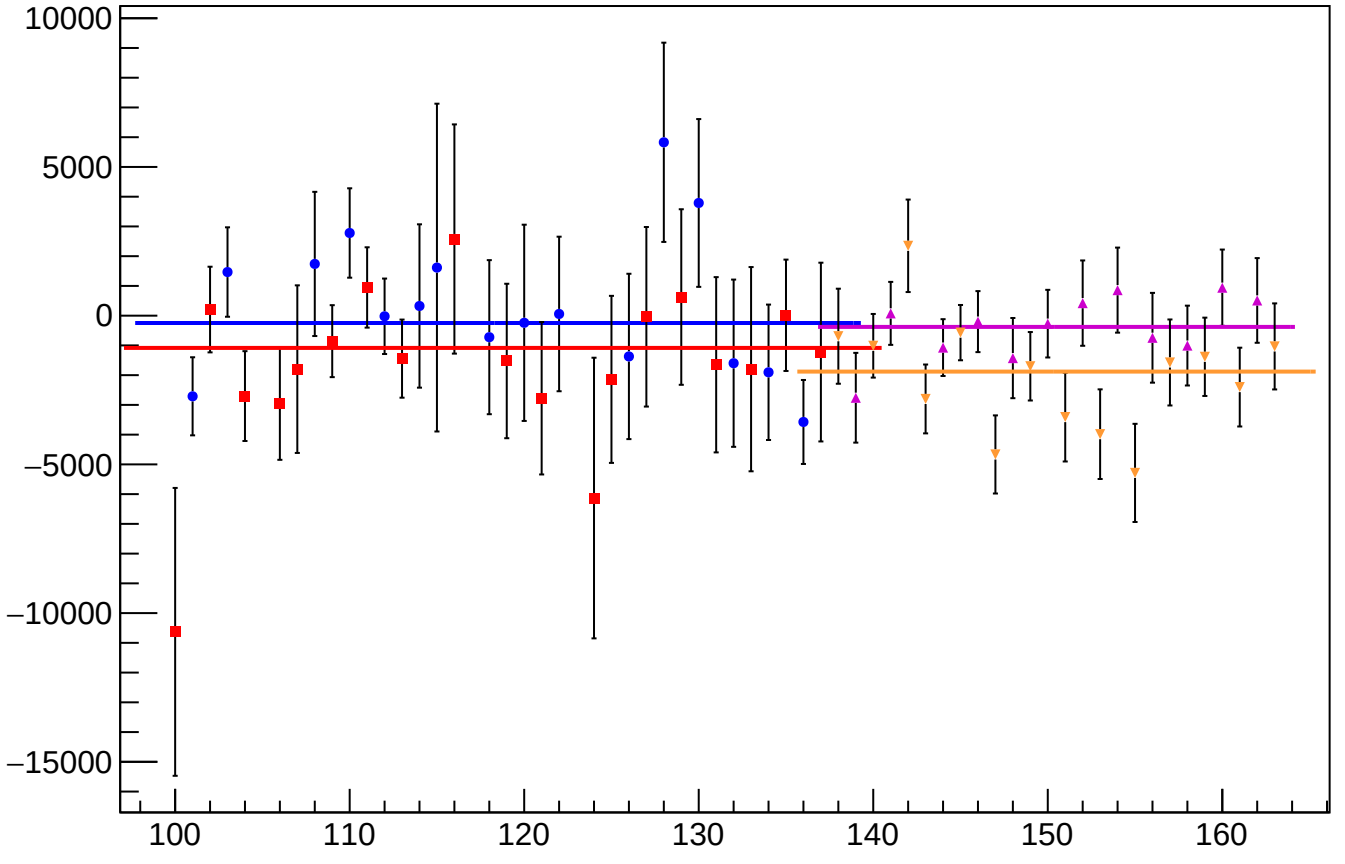
Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

+ sign 137.769+/-0.023 χ^2/NDF: 687443.3/29

All: 137.113+/-0.016 χ^2/NDF: 1419602.4/60

- sign 136.443+/-0.023 χ^2/NDF: 730510.7/30

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

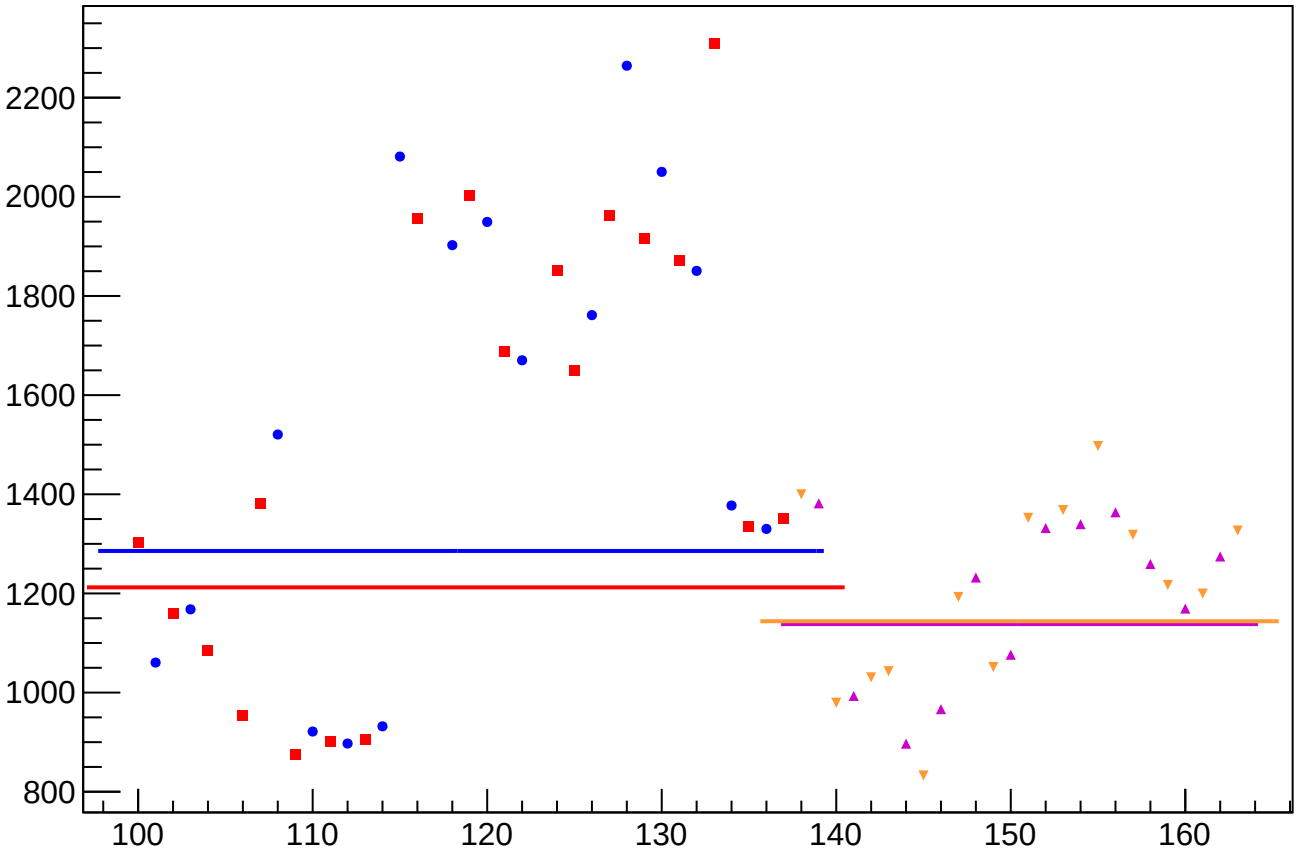
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -377.689+/-358.670 χ^2/NDF:6.6/11

+ sign -1349.835+/-285.669 χ^2/NDF: 52.5/29

All: -993.128+/-201.754 χ^2/NDF: 76.4/60

- sign -638.144+/-284.978 χ^2/NDF: 20.9/30



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

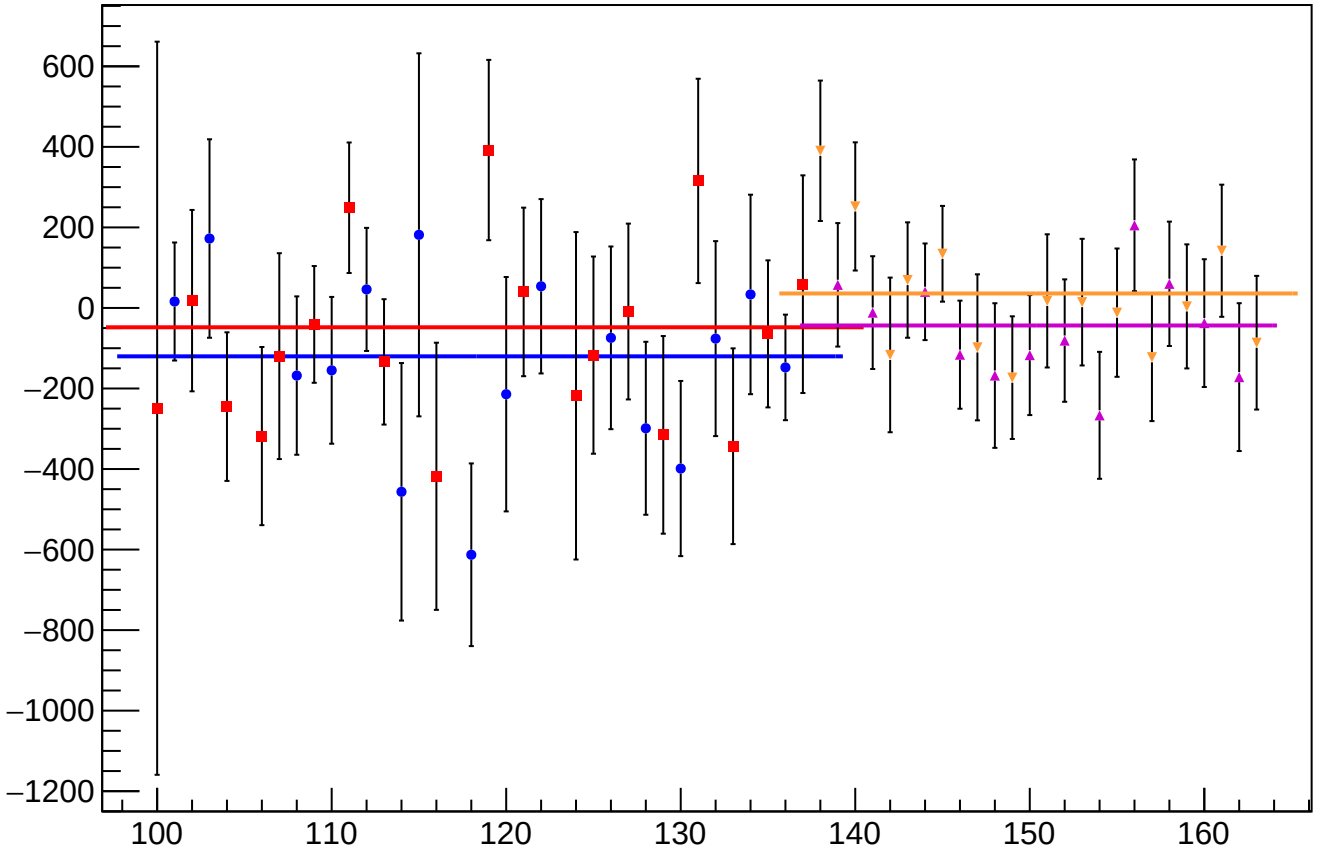
Left In: 1138.112+/-0.254 χ^2/NDF:445484.2/11

+ sign 1189.937+/-0.202 χ^2/NDF: 1888360.0/29

All: 1177.667+/-0.143 χ^2/NDF: 3773369.6/60

- sign 1165.456+/-0.202 χ^2/NDF: 1877648.1/30

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.958+/-42.099 χ^2/NDF:11.9/13

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

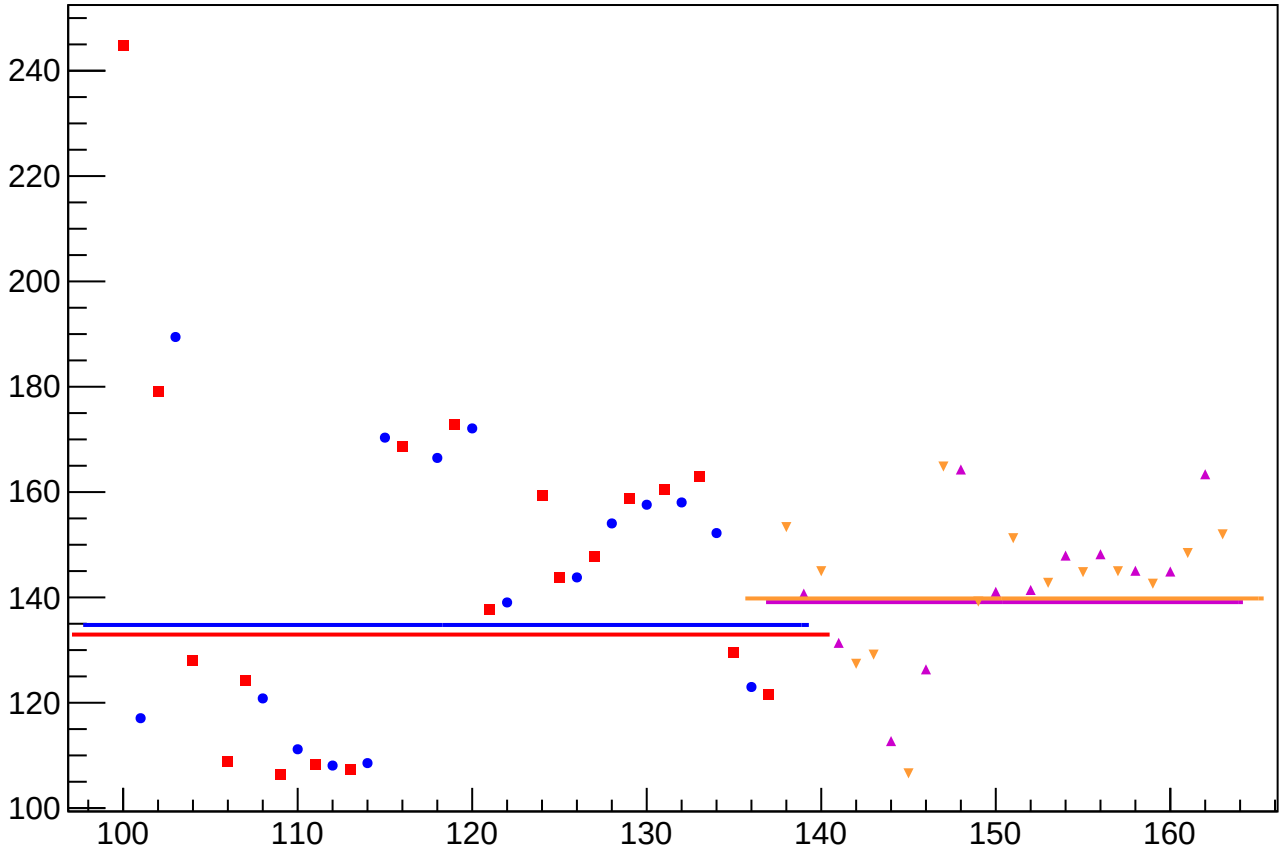
Left In: -43.548+/-43.566 χ^2/NDF:7.3/11

+ sign -27.162+/-32.493 χ^2/NDF: 30.9/29

All: -36.227+/-23.092 χ^2/NDF: 55.3/60

- sign -45.478+/-32.824 χ^2/NDF: 24.3/30

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

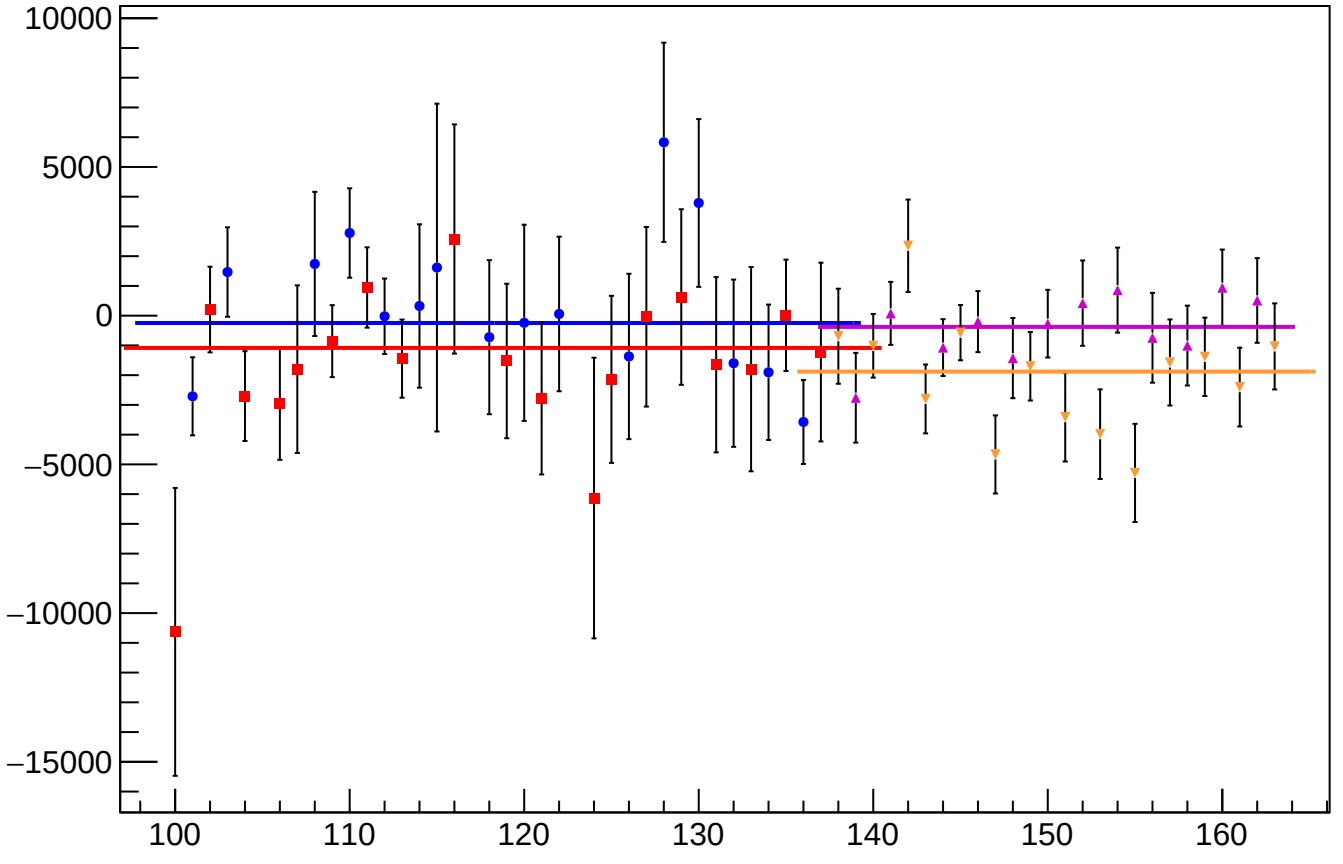
Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

+ sign 137.769+/-0.023 χ^2/NDF: 687443.3/29

All: 137.113+/-0.016 χ^2/NDF: 1419602.4/60

- sign 136.443+/-0.023 χ^2/NDF: 730510.7/30

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

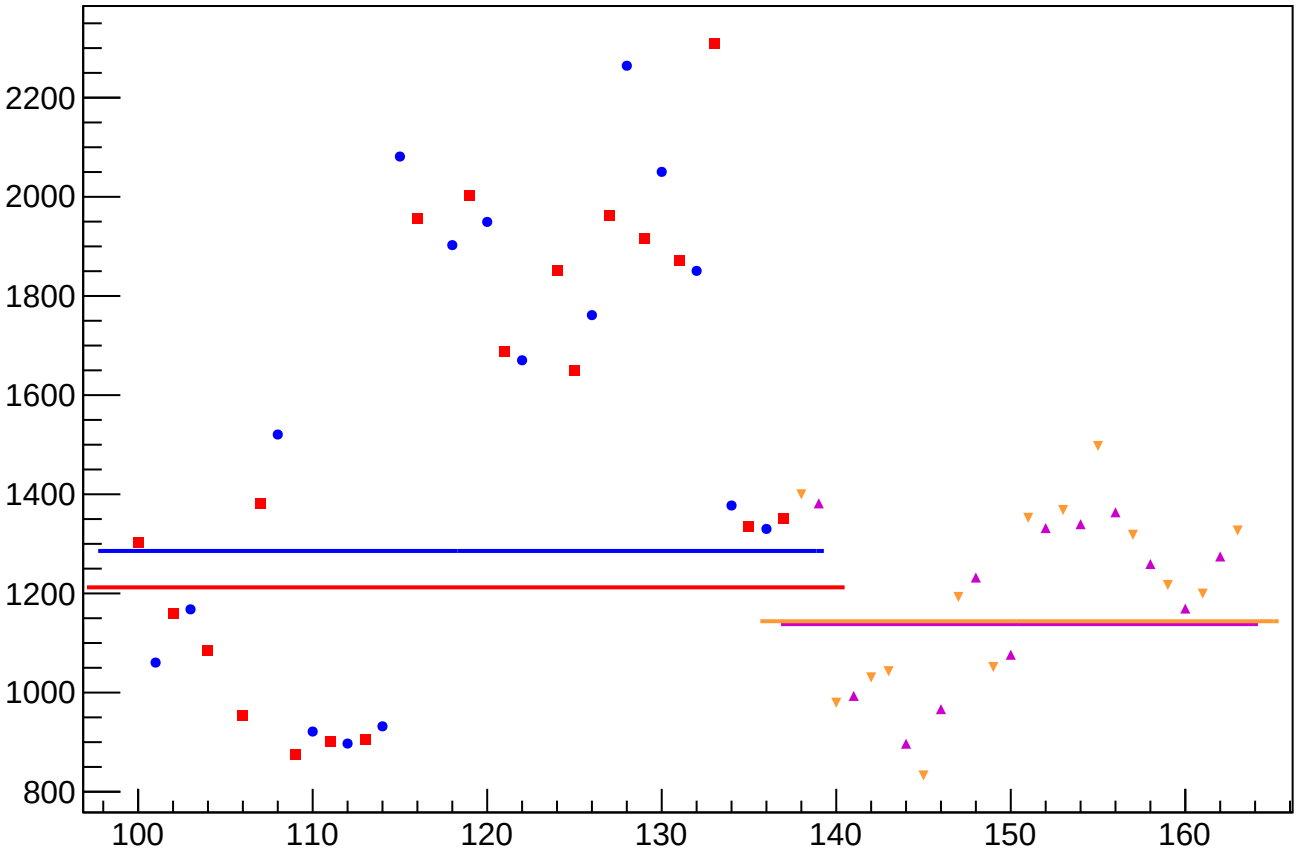
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -377.689+/-358.670 χ^2/NDF:6.6/11

+ sign -1349.835+/-285.669 χ^2/NDF: 52.5/29

All: -993.128+/-201.754 χ^2/NDF: 76.4/60

- sign -638.144+/-284.978 χ^2/NDF: 20.9/30



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

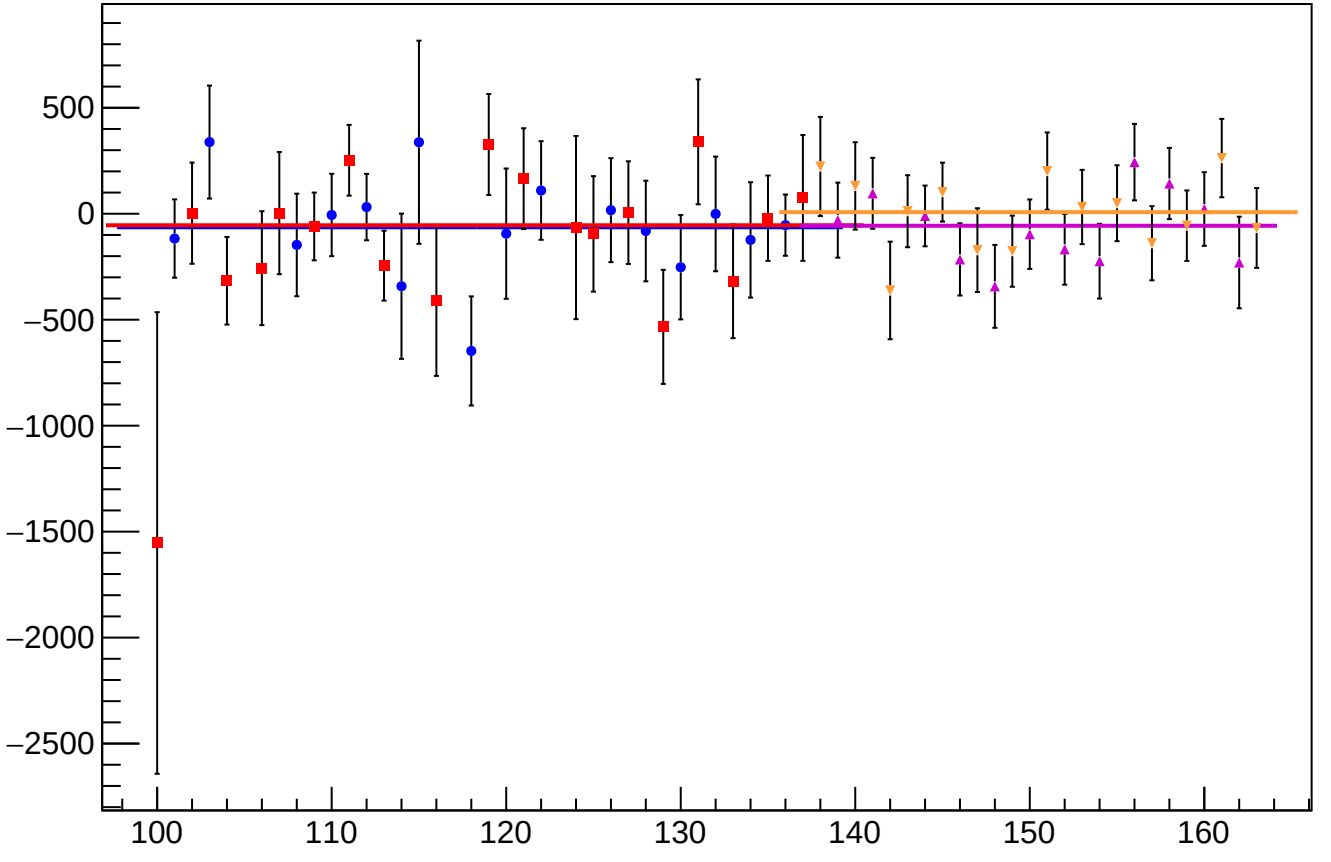
Left In: 1138.112+/-0.254 χ^2/NDF:445484.2/11

+ sign 1189.937+/-0.202 χ^2/NDF: 1888360.0/29

All: 1177.667+/-0.143 χ^2/NDF: 3773369.6/60

- sign 1165.456+/-0.202 χ^2/NDF: 1877648.1/30

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.536+/-48.328 χ^2/NDF:10.4/13

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

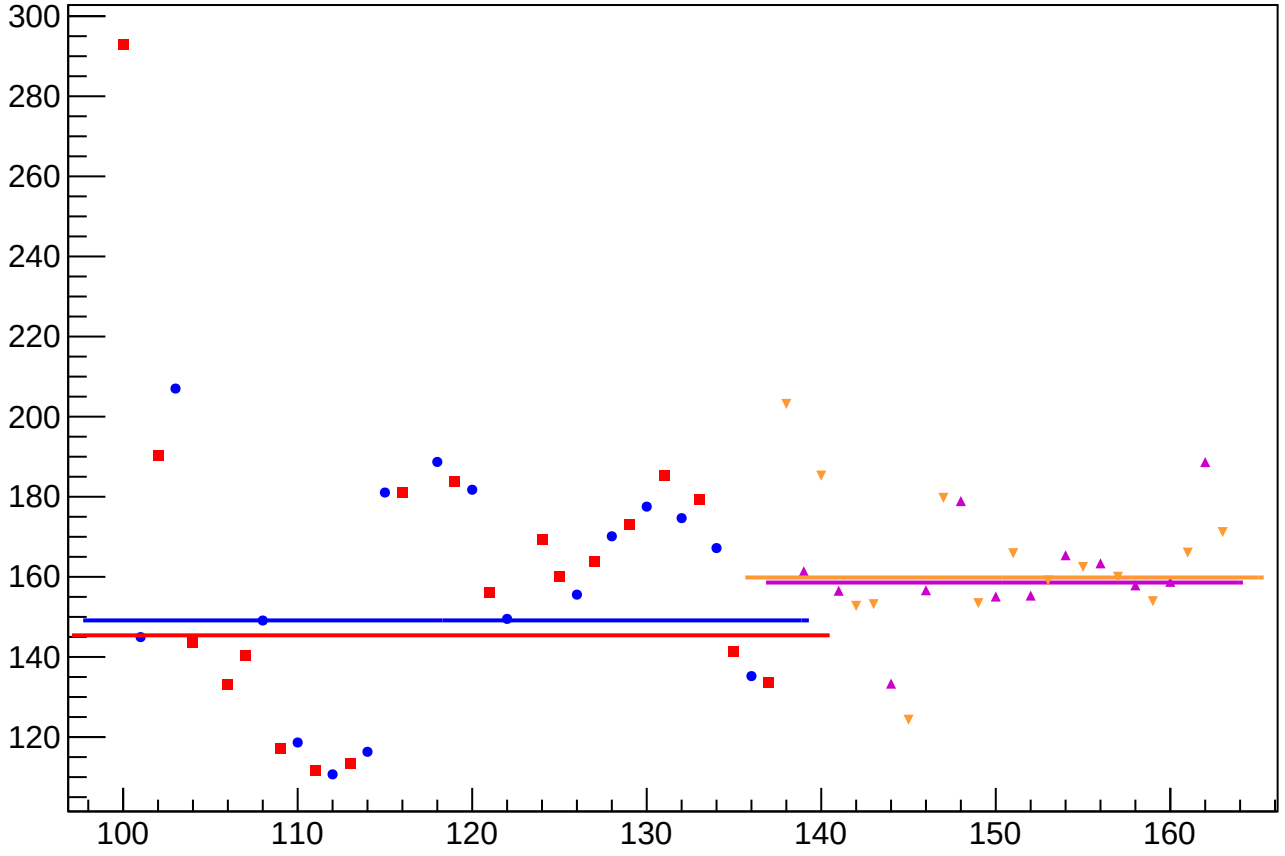
Left In: -56.693+/-49.822 χ^2/NDF:10.4/11

+ sign -22.453+/-36.789 χ^2/NDF: 22.1/29

All: -39.006+/-26.034 χ^2/NDF: 52.4/60

- sign -55.611+/-36.847 χ^2/NDF: 29.9/30

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.844+/-0.034 χ^2/NDF:272305.1/13

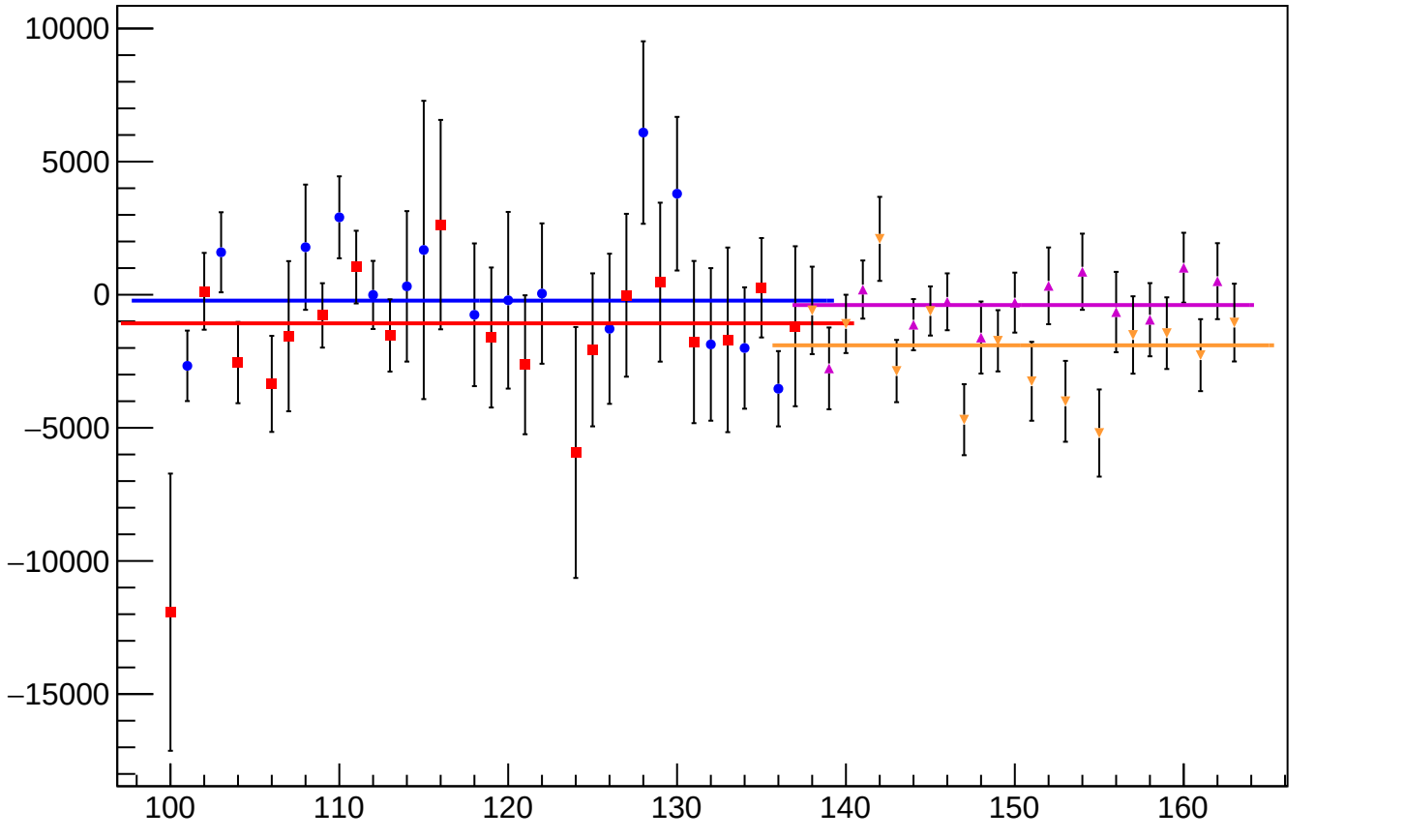
Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.581+/-0.035 χ^2/NDF:129679.9/11

+ sign 155.339+/-0.026 χ^2/NDF: 764642.1/29

All: 153.976+/-0.018 χ^2/NDF: 1489067.2/60

- sign 152.609+/-0.026 χ^2/NDF: 718927.0/30



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1899.698+/-350.645 χ^2/NDF:22.0/13

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

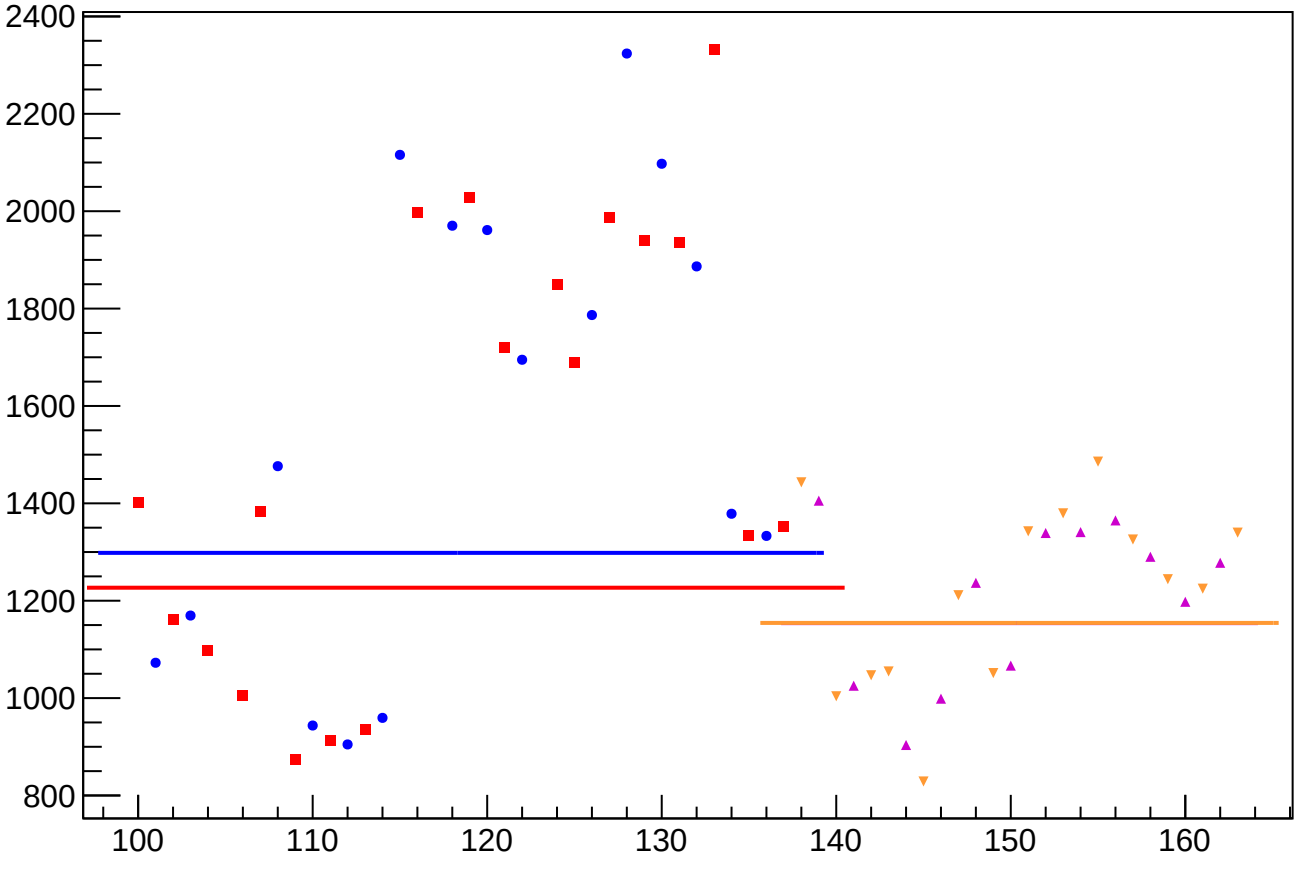
Left In: -387.501+/-363.568 χ^2/NDF:6.8/11

+ sign -1355.462+/-288.245 χ^2/NDF: 51.3/29

All: -999.064+/-203.809 χ^2/NDF: 76.2/60

- sign -642.745+/-288.213 χ^2/NDF: 21.8/30

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1154.411+/-0.248 χ^2/NDF:624710.3/13

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

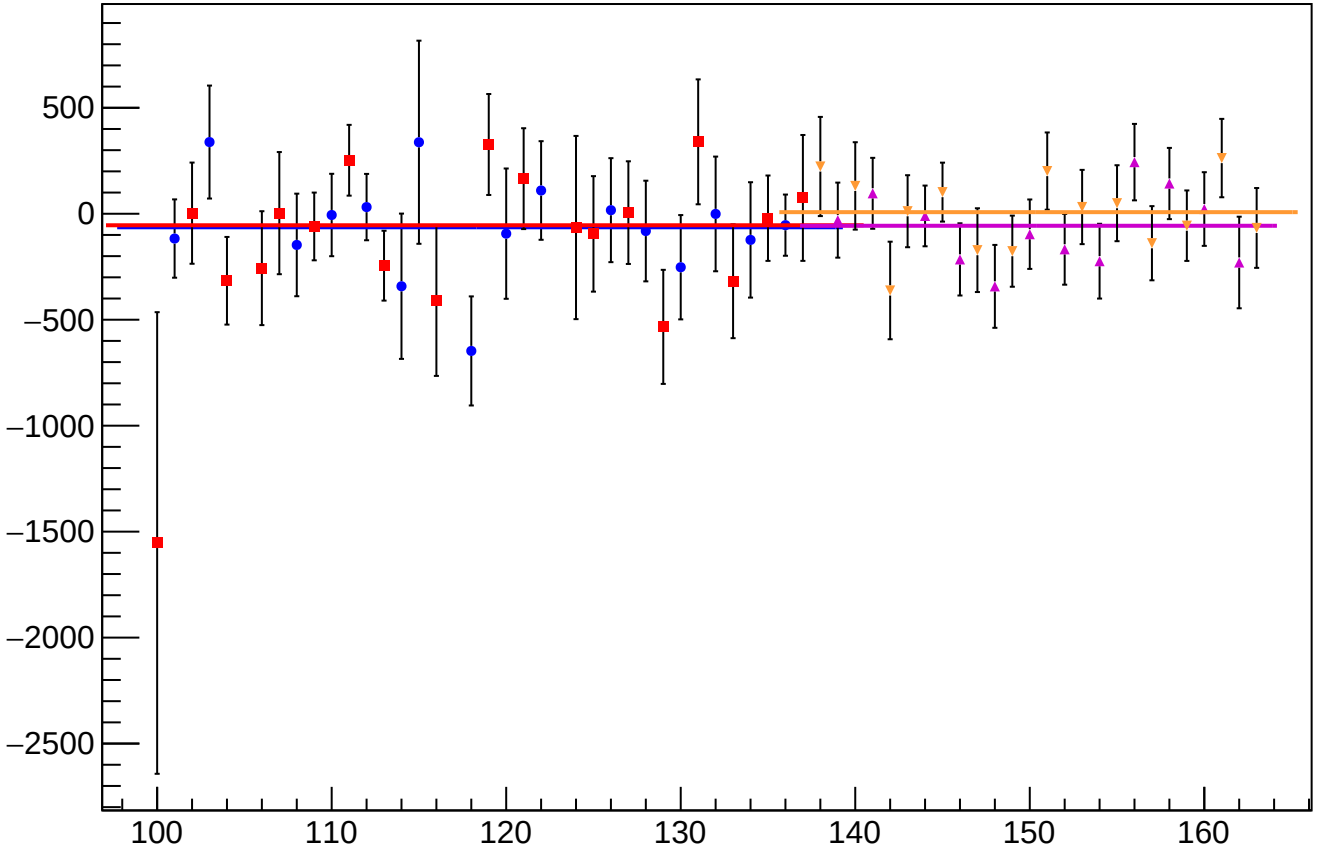
Left In: 1153.976+/-0.257 χ^2/NDF:421845.0/11

+ sign 1201.064+/-0.204 χ^2/NDF: 1916024.4/29

All: 1191.035+/-0.144 χ^2/NDF: 3776990.7/60

- sign 1181.008+/-0.204 χ^2/NDF: 1856124.6/30

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.539+/-48.328 χ^2/NDF:10.4/13

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

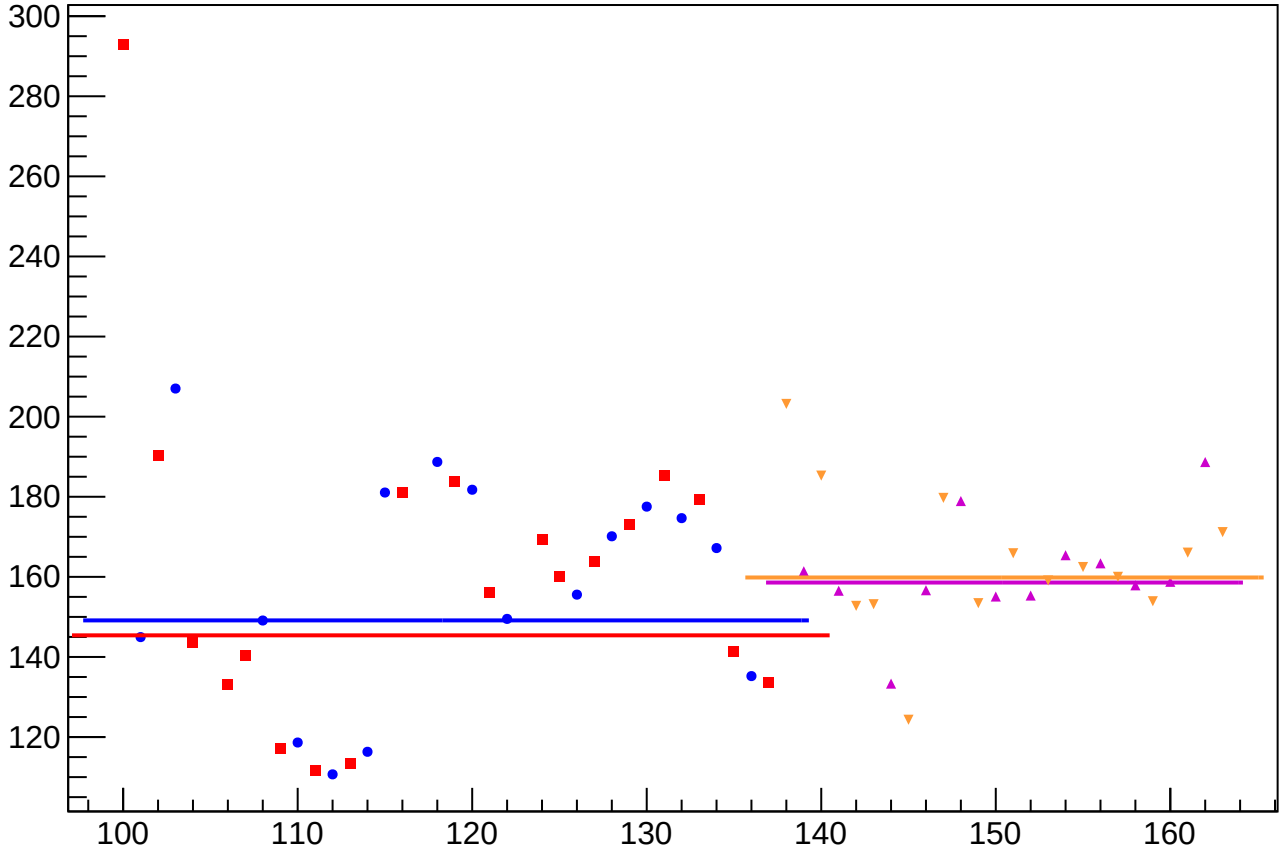
Left In: -56.693+/-49.822 χ^2/NDF:10.4/11

+ sign -22.450+/-36.790 χ^2/NDF: 22.1/29

All: -39.005+/-26.034 χ^2/NDF: 52.4/60

- sign -55.611+/-36.847 χ^2/NDF: 29.9/30

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.845+/-0.034 χ^2/NDF:272298.8/13

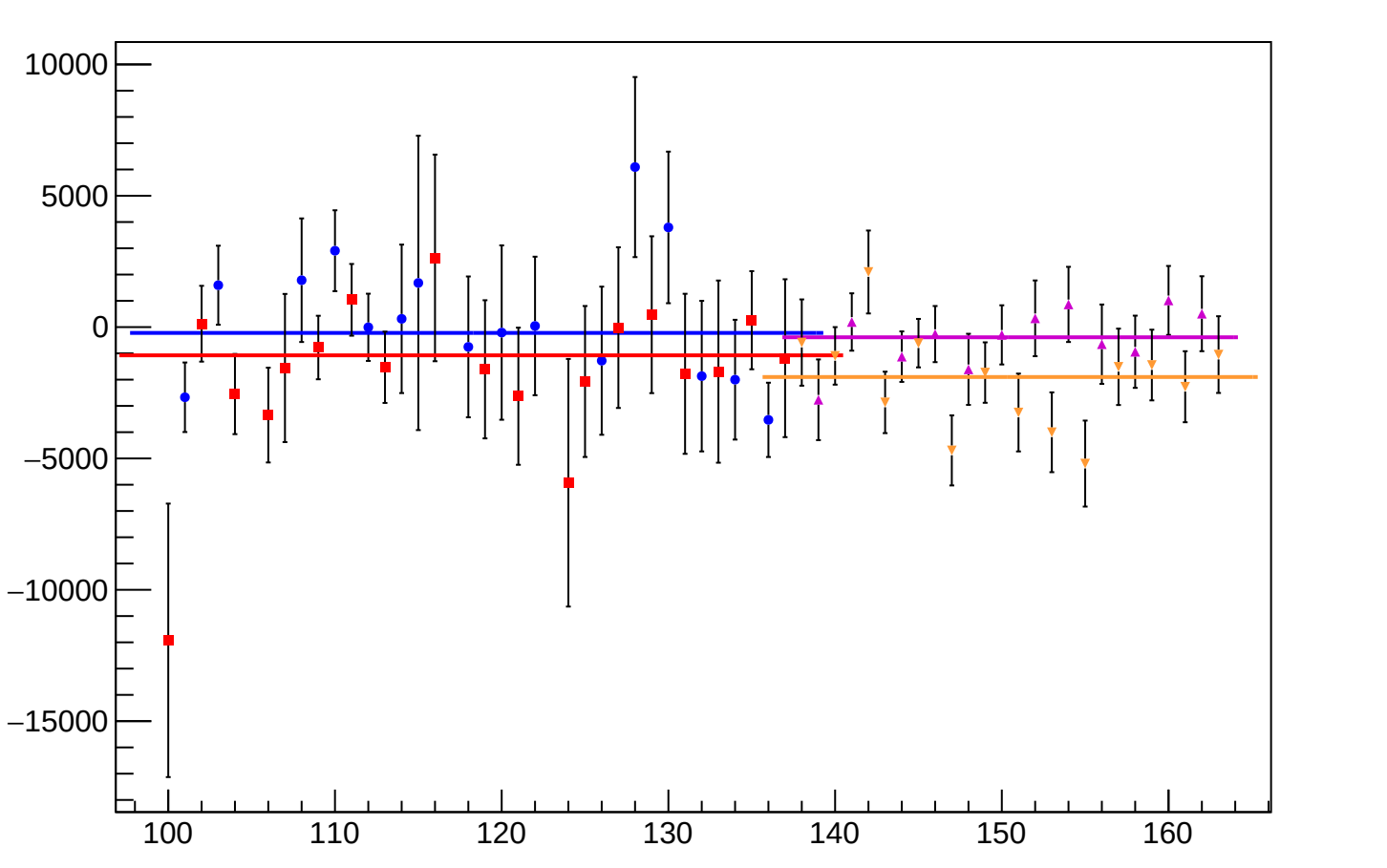
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.581+/-0.035 χ^2/NDF:129678.5/11

+ sign 155.339+/-0.026 χ^2/NDF: 764640.1/29

All: 153.976+/-0.018 χ^2/NDF: 1489070.0/60

- sign 152.609+/-0.026 χ^2/NDF: 718931.6/30



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1899.694+/-350.645 χ^2/NDF:22.0/13

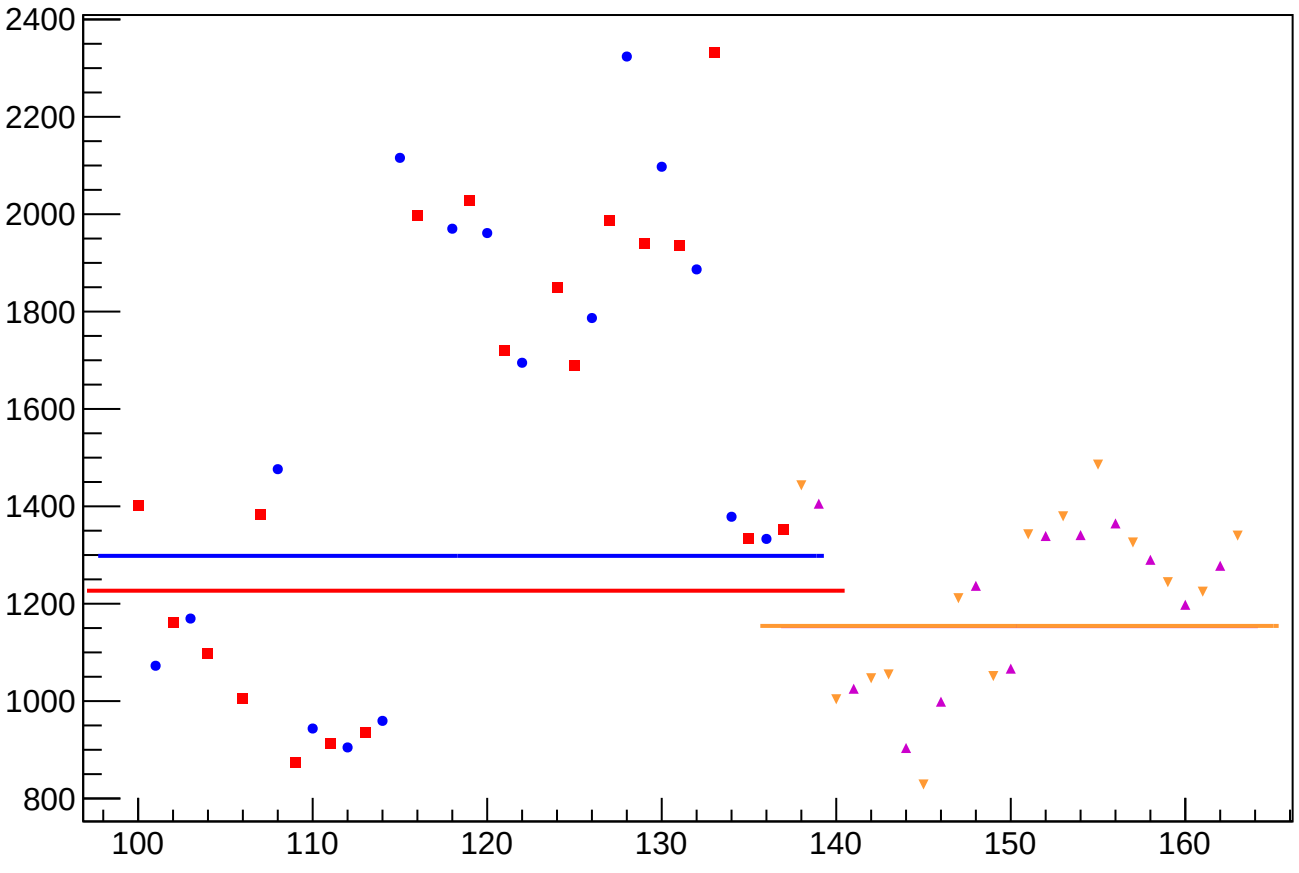
Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: -387.499+/-363.567 χ^2/NDF:6.8/11

+ sign -1355.459+/-288.245 χ^2/NDF: 51.3/29

All: -999.062+/-203.808 χ^2/NDF: 76.2/60

- sign -642.744+/-288.213 χ^2/NDF: 21.8/30



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1154.409+/-0.248 χ^2/NDF:624712.9/13

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

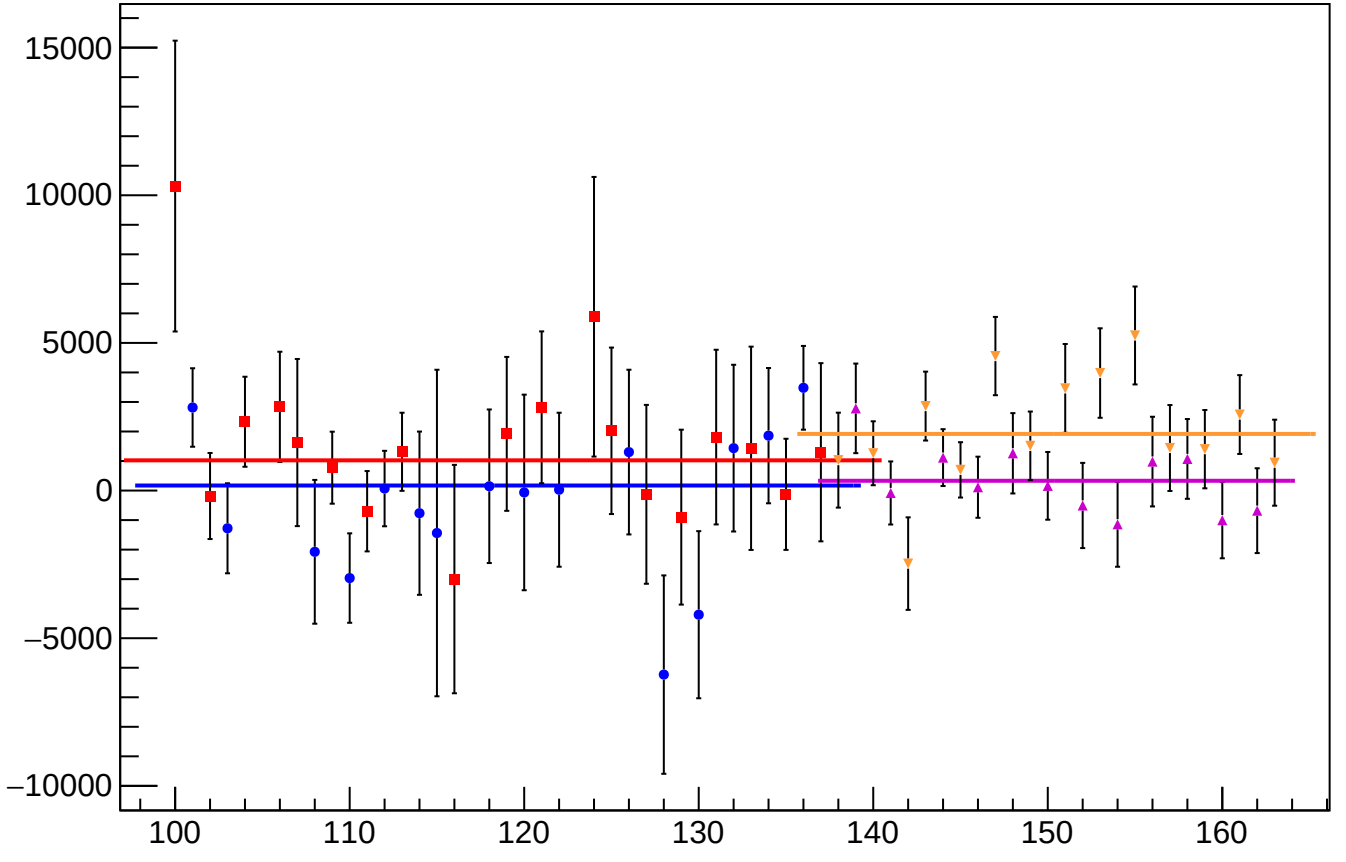
Left In: 1153.974+/-0.257 χ^2/NDF:421843.4/11

+ sign 1201.063+/-0.204 χ^2/NDF: 1916031.6/29

All: 1191.034+/-0.144 χ^2/NDF: 3776999.1/60

- sign 1181.007+/-0.204 χ^2/NDF: 1856125.9/30

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1917.953+/-350.314 χ^2/NDF:22.8/13

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

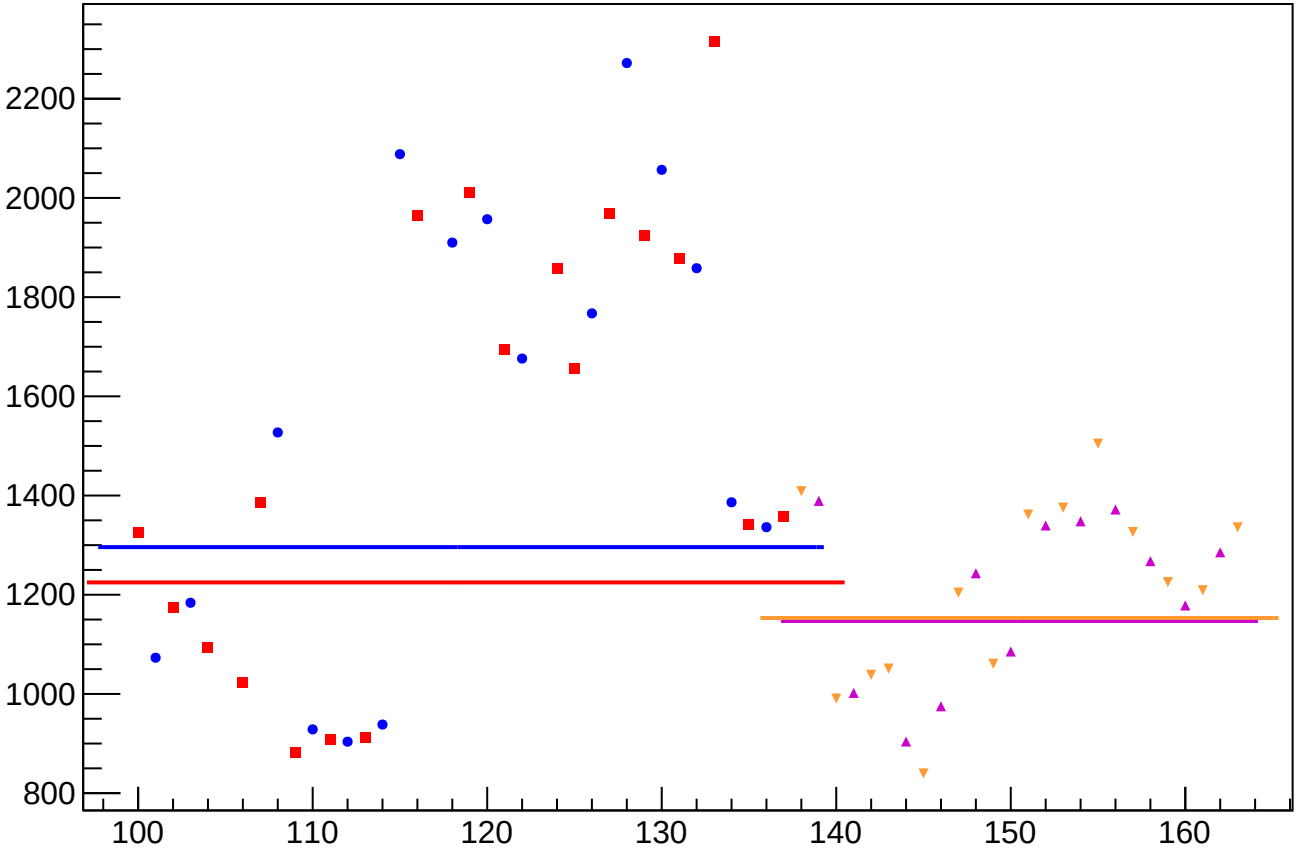
Left In: 331.683+/-361.441 χ^2/NDF:7.4/11

+ sign 1350.636+/-287.864 χ^2/NDF: 53.5/29

All: 967.866+/-203.233 χ^2/NDF: 77.3/60

- sign 587.474+/-286.969 χ^2/NDF: 20.3/30

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.138+/-0.248 χ^2/NDF:601905.8/13

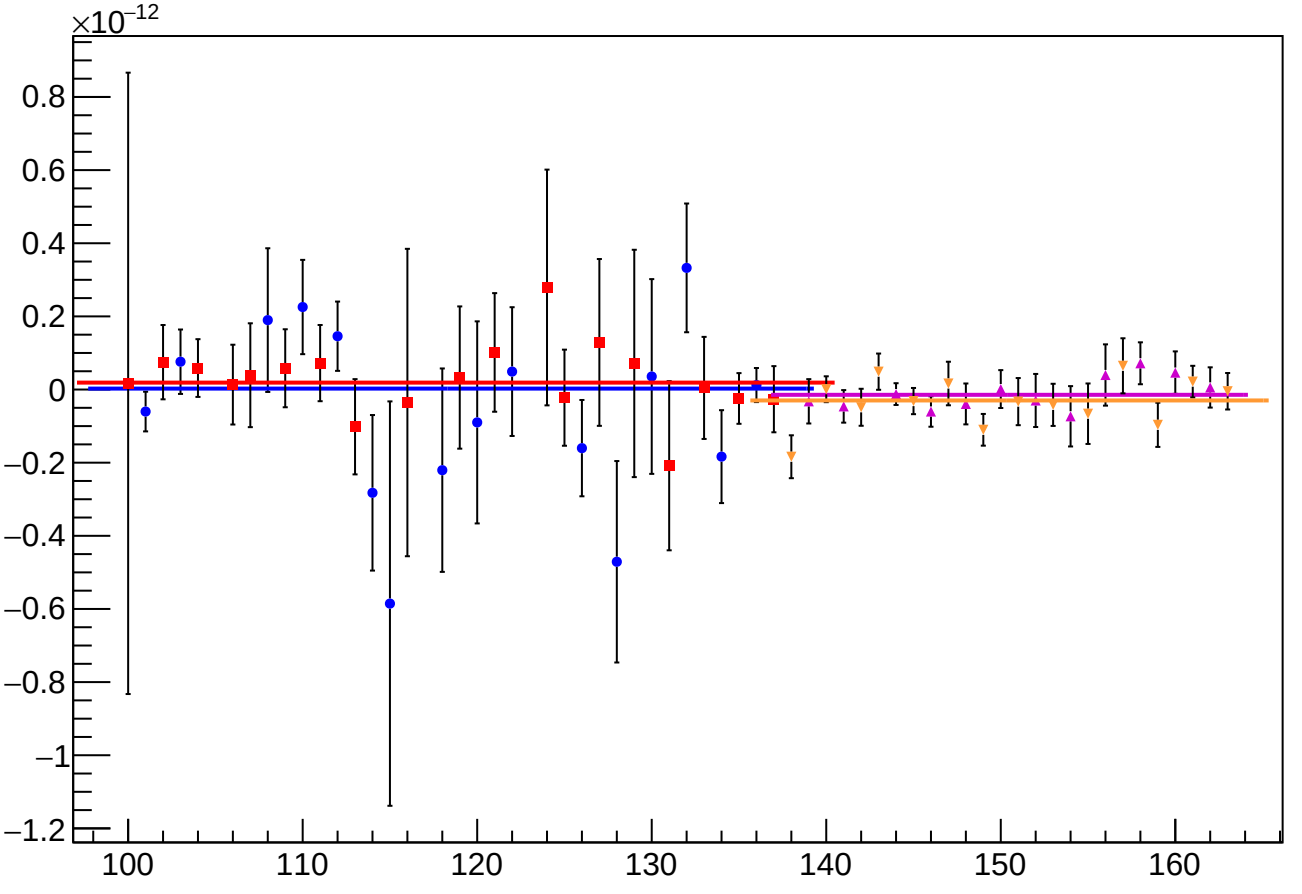
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1147.096+/-0.256 χ^2/NDF:440393.7/11

+ sign 1199.529+/-0.204 χ^2/NDF: 1864092.5/29

All: 1187.650+/-0.144 χ^2/NDF: 3716792.8/60

- sign 1175.844+/-0.203 χ^2/NDF: 1845909.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/13

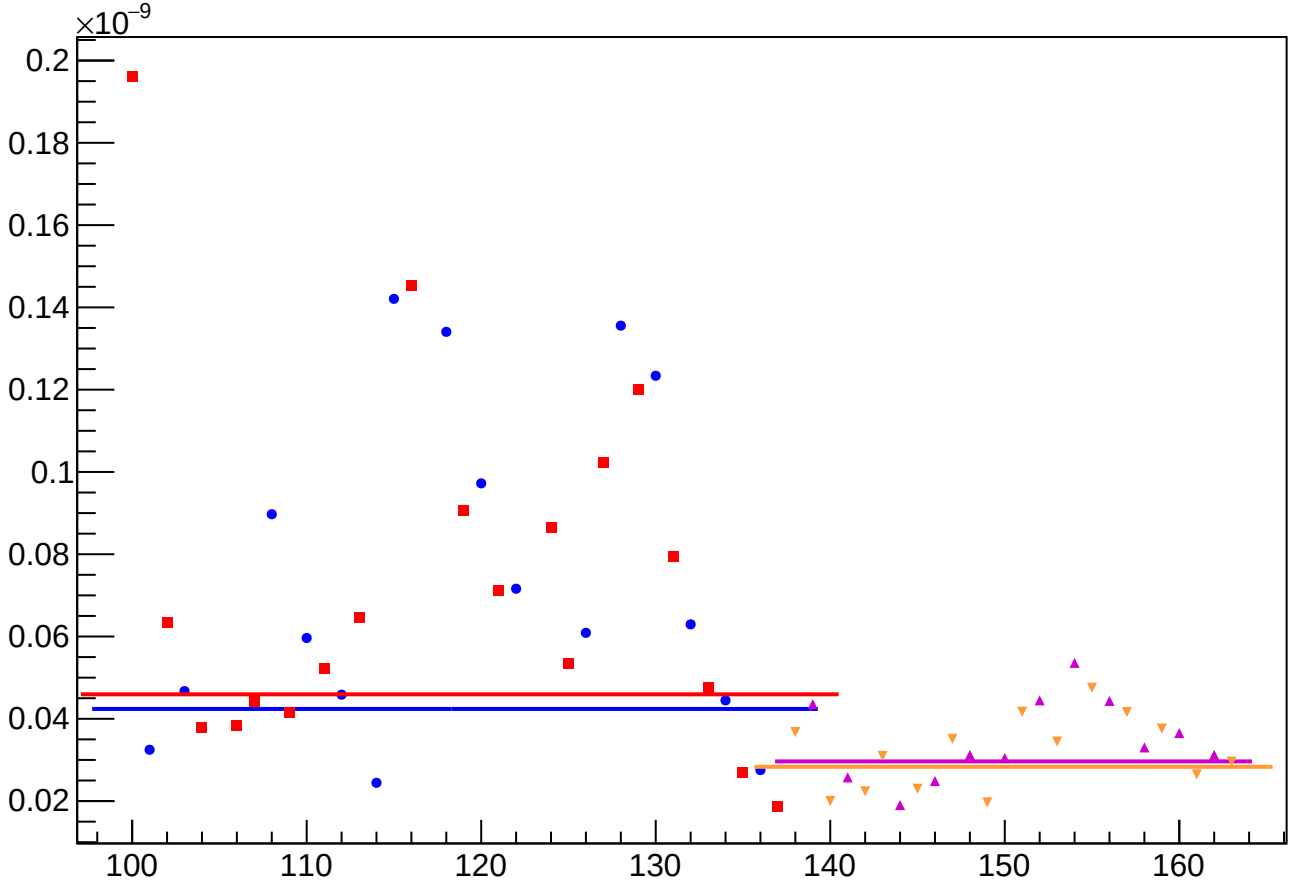
Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/29

All: -0.000+/-0.000 χ^2/NDF: 55.5/60

- sign -0.000+/-0.000 χ^2/NDF: 12.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:667082.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

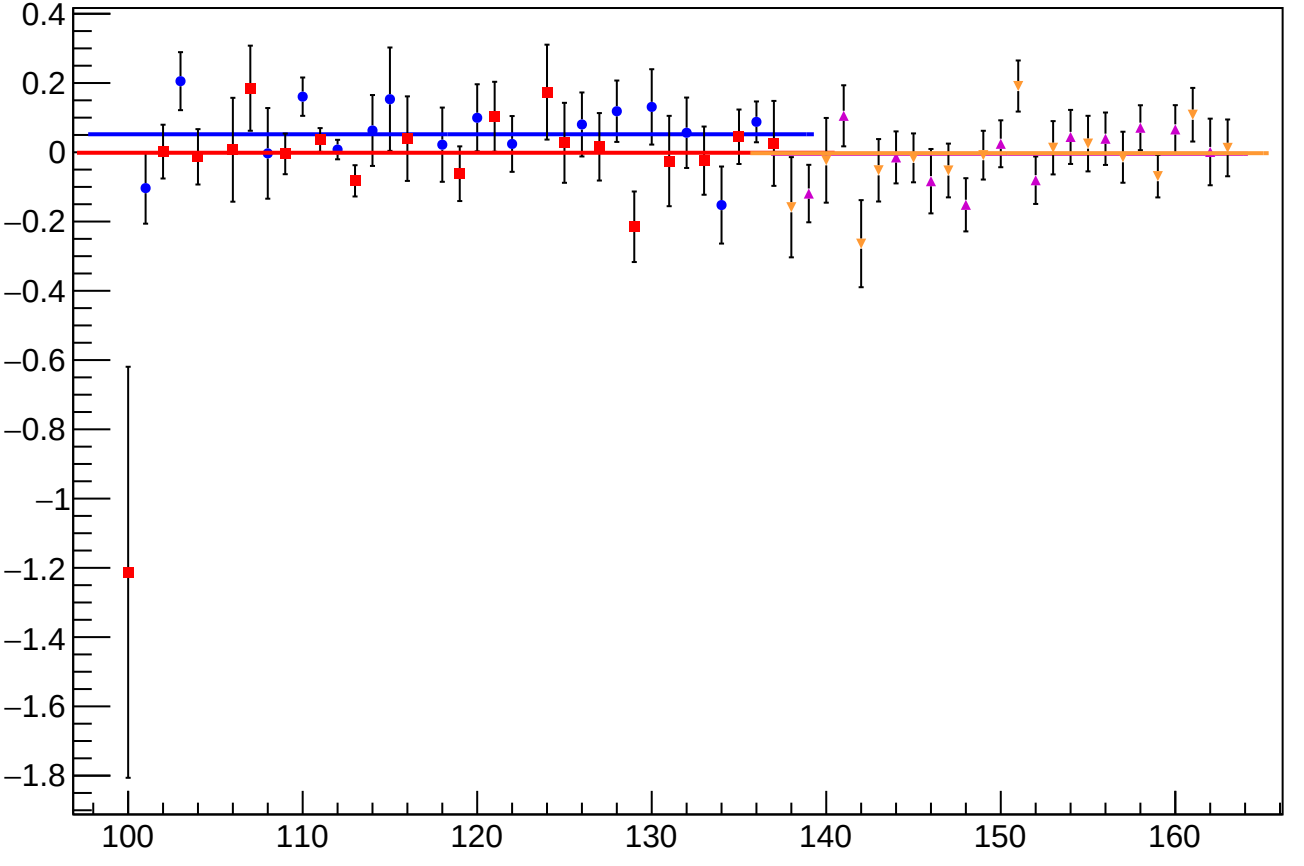
Left In: 0.000+/-0.000 χ^2/NDF:753573.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 2447832.4/29

All: 0.000+/-0.000 χ^2/NDF: 4847818.6/60

- sign 0.000+/-0.000 χ^2/NDF: 2377789.3/30

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: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

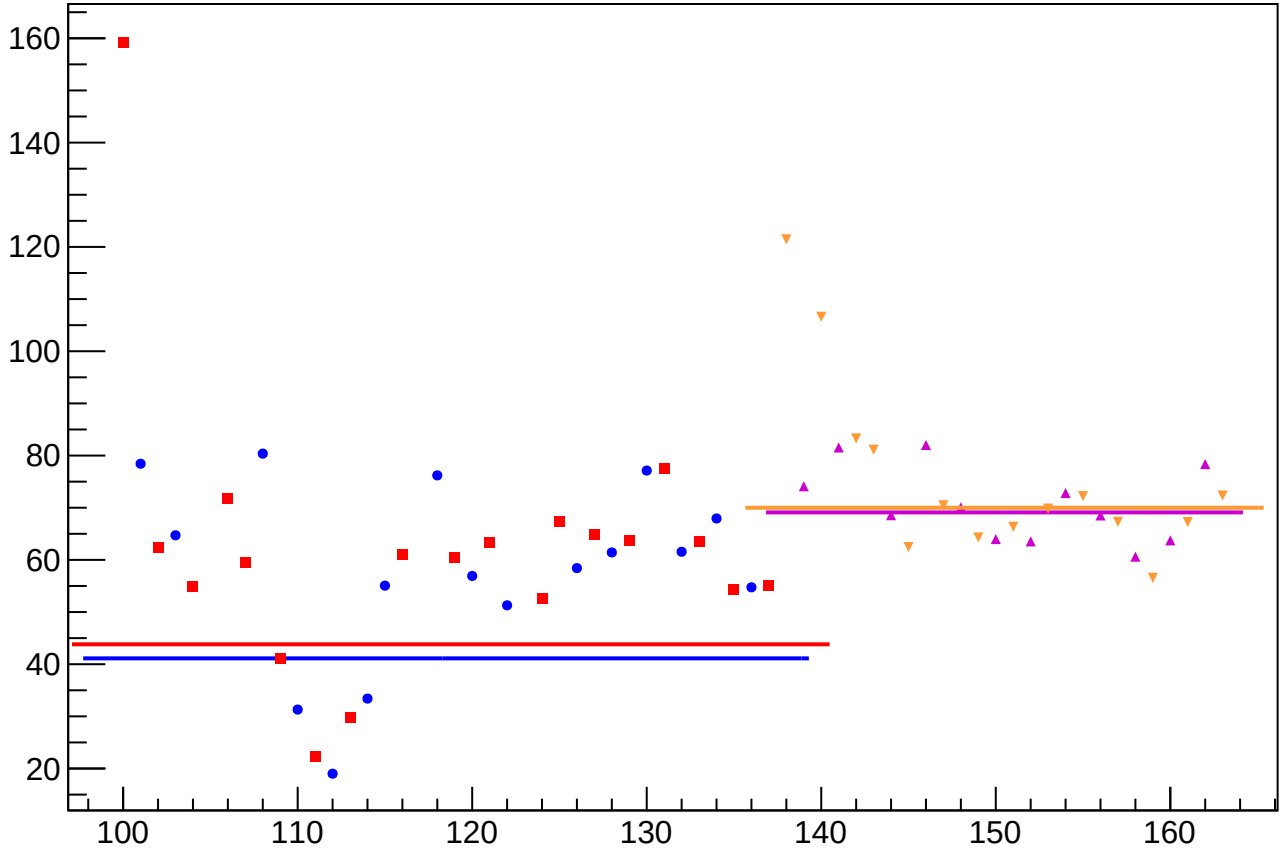
Left In: -0.004+/-0.022 χ^2/NDF:12.4/11

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.014+/-0.010 χ^2/NDF: 72.8/60

- sign -0.003+/-0.014 χ^2/NDF: 31.6/30

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: 70.000+/-0.015 χ^2/NDF:629717.9/13

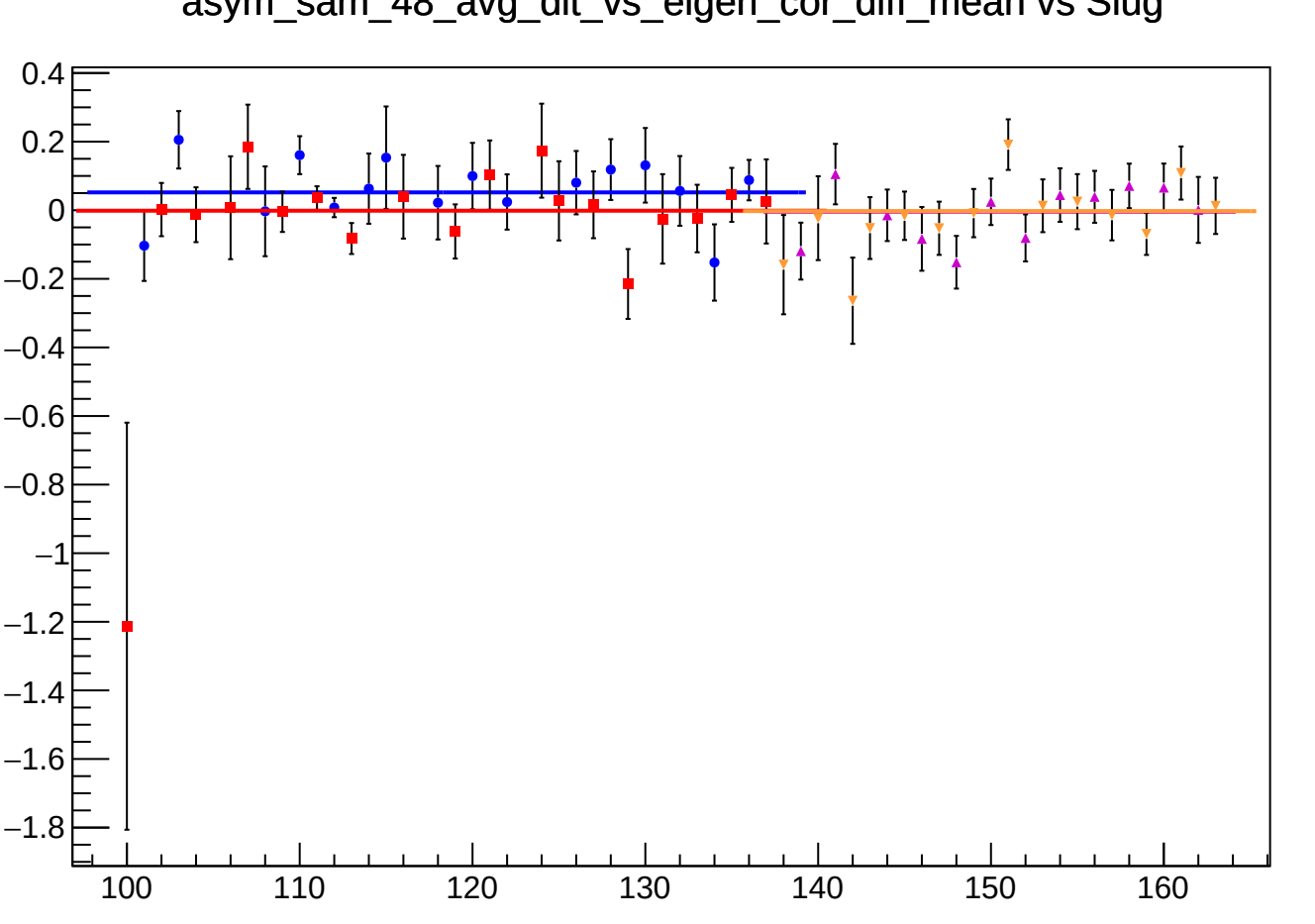
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.102+/-0.016 χ^2/NDF:179959.2/11

+ sign 52.775+/-0.010 χ^2/NDF: 5686317.9/29

All: 53.317+/-0.007 χ^2/NDF: 9504327.0/60

- sign 53.874+/-0.010 χ^2/NDF: 3811675.8/30



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

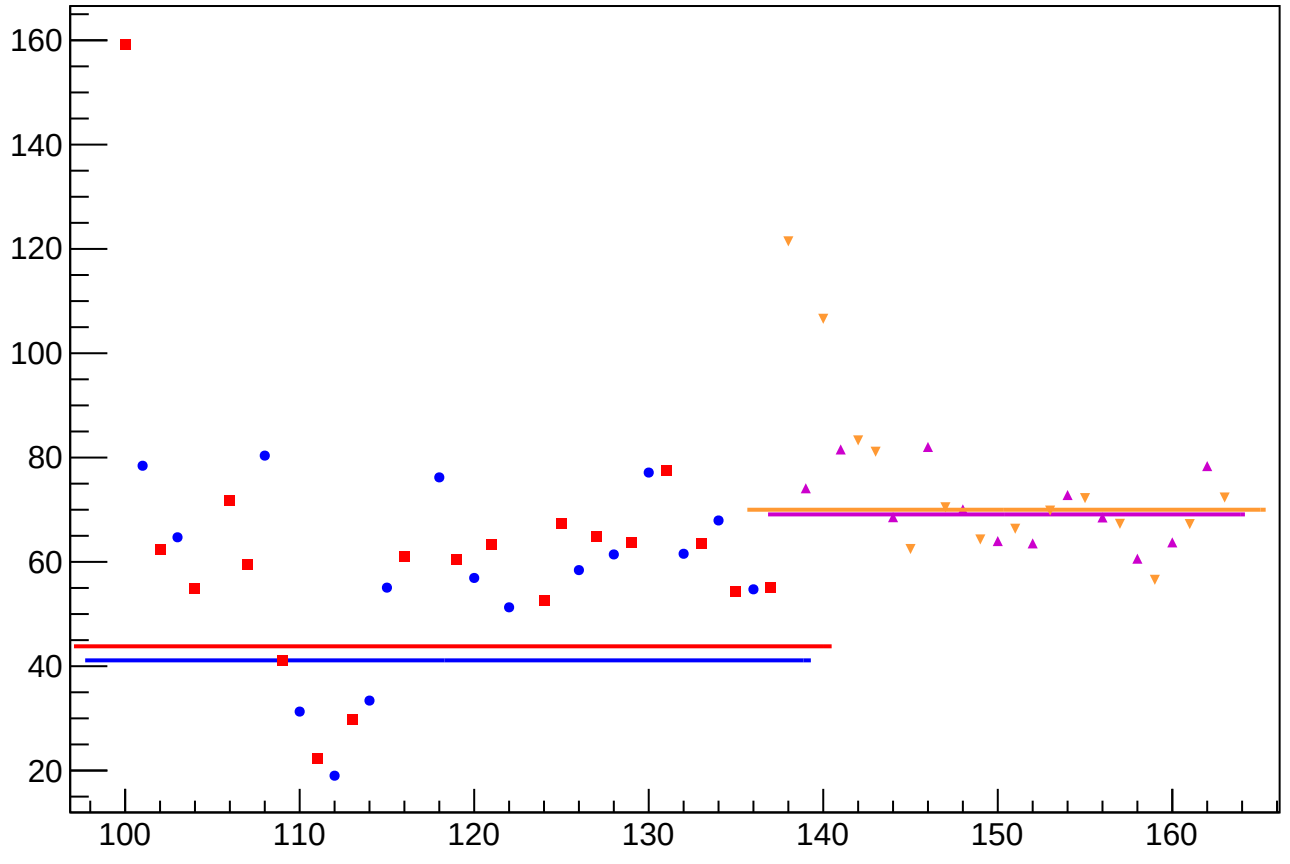
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.004+/-0.022 χ^2/NDF:12.4/11

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.014+/-0.010 χ^2/NDF: 72.8/60

- sign -0.003+/-0.014 χ^2/NDF: 31.6/30



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.000+/-0.015 χ^2/NDF:629717.9/13

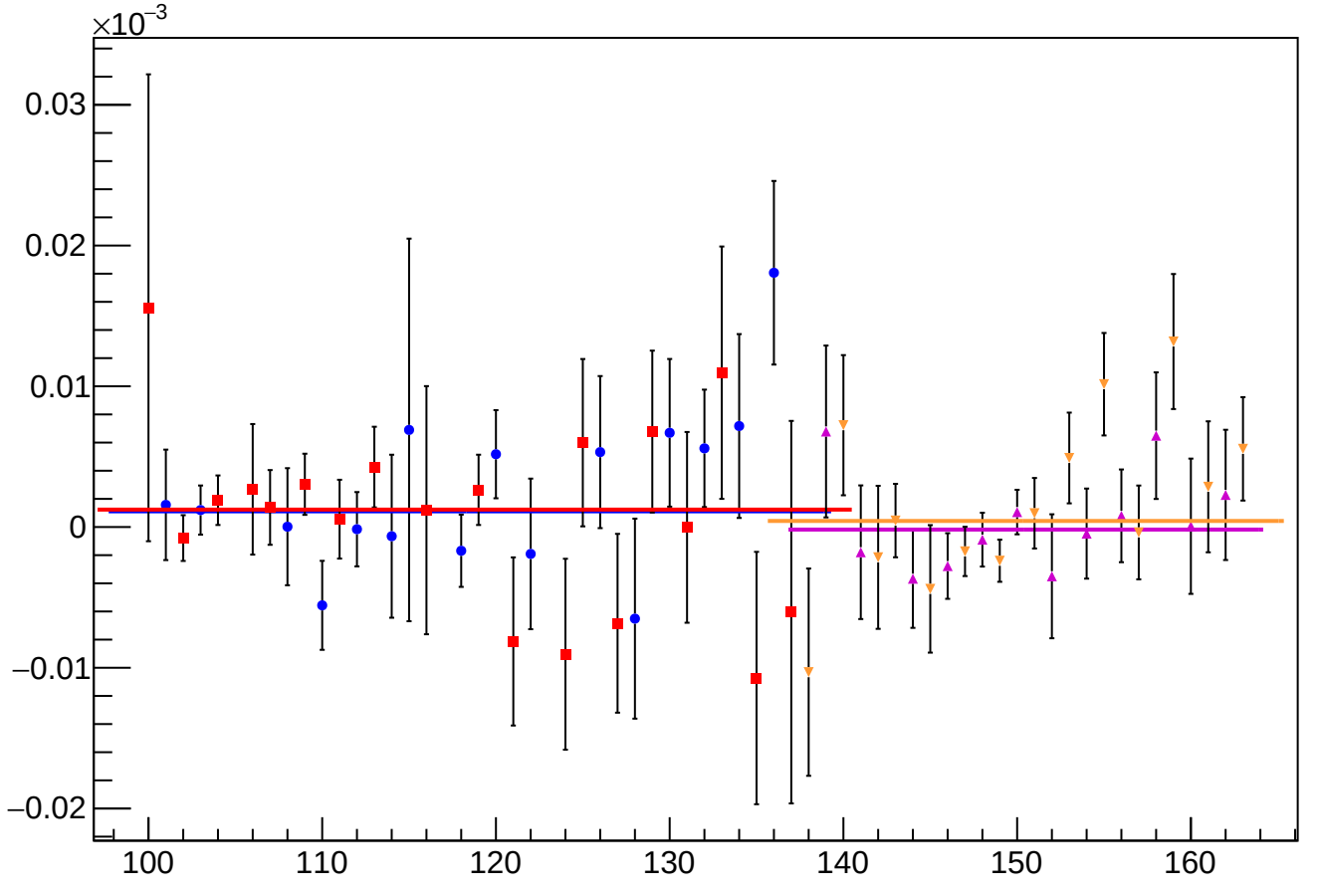
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.102+/-0.016 χ^2/NDF:179959.2/11

\+ sign 52.775+/-0.010 χ^2/NDF: 5686317.9/29

All: 53.317+/-0.007 χ^2/NDF: 9504327.0/60

\- sign 53.874+/-0.010 χ^2/NDF: 3811675.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/13

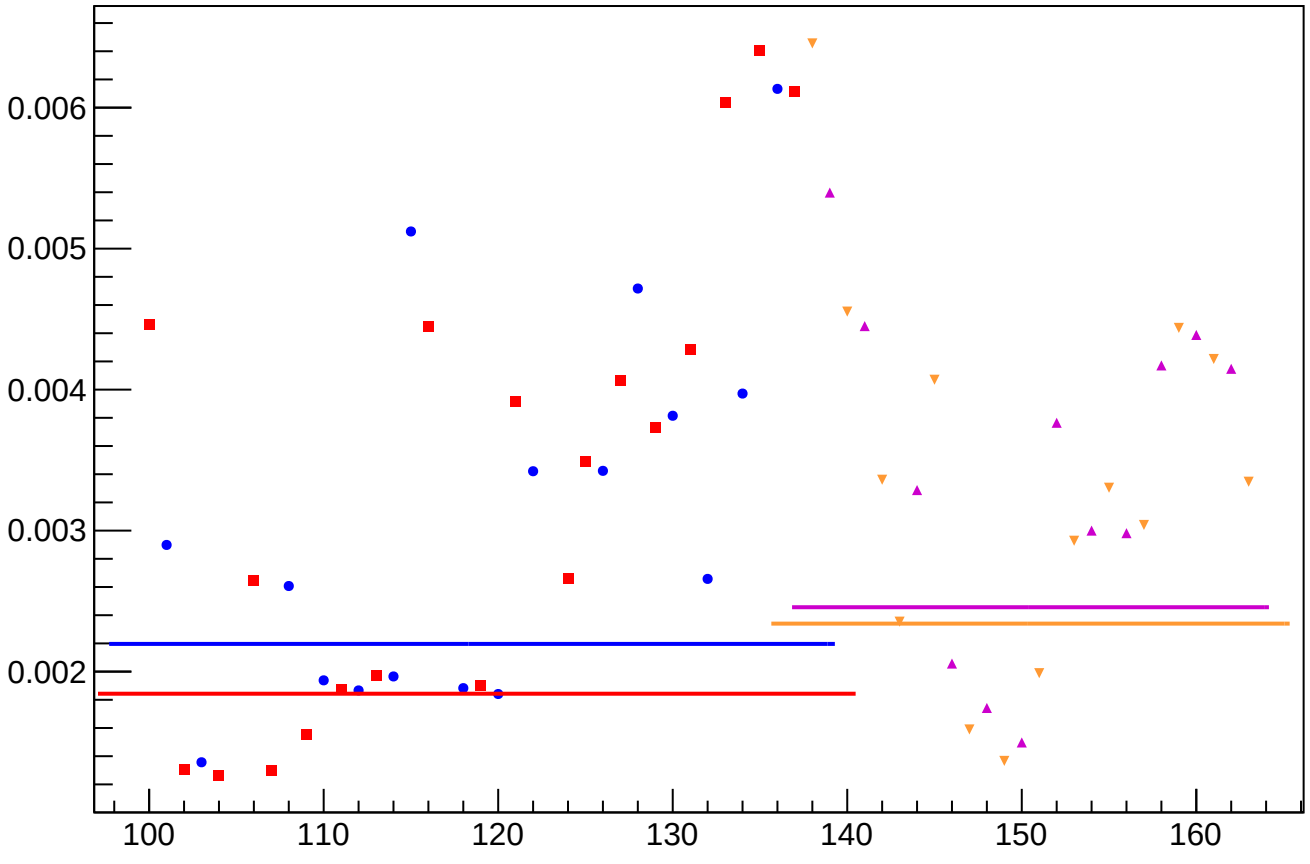
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/29

All: 0.000+/-0.000 χ^2/NDF: 74.2/60

- sign 0.000+/-0.000 χ^2/NDF: 25.0/30



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3798557.7/13

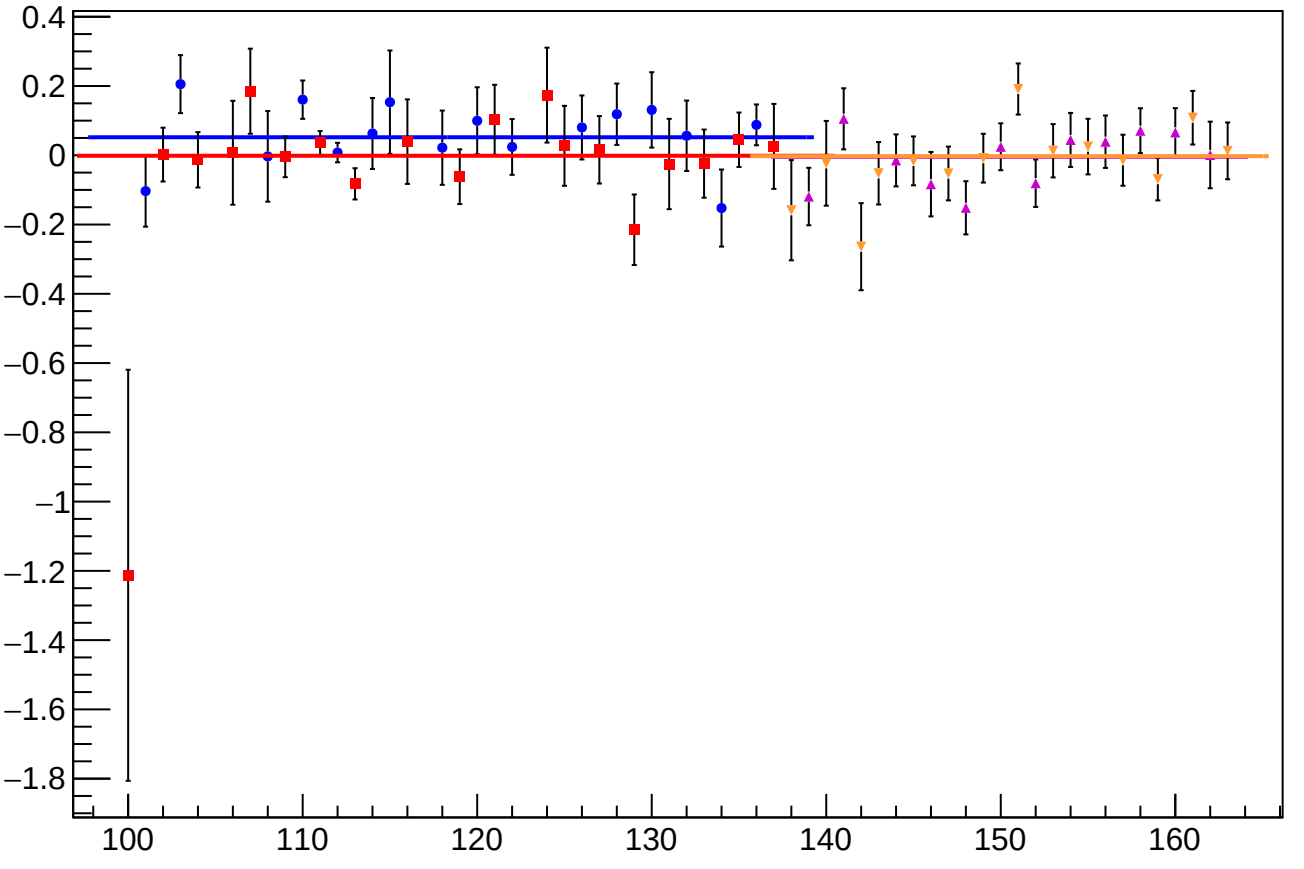
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3168339.7/11

+ sign 0.002+/-0.000 χ^2/NDF: 6120425.9/29

All: 0.002+/-0.000 χ^2/NDF: 13081658.0/60

- sign 0.002+/-0.000 χ^2/NDF: 6883643.4/30



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

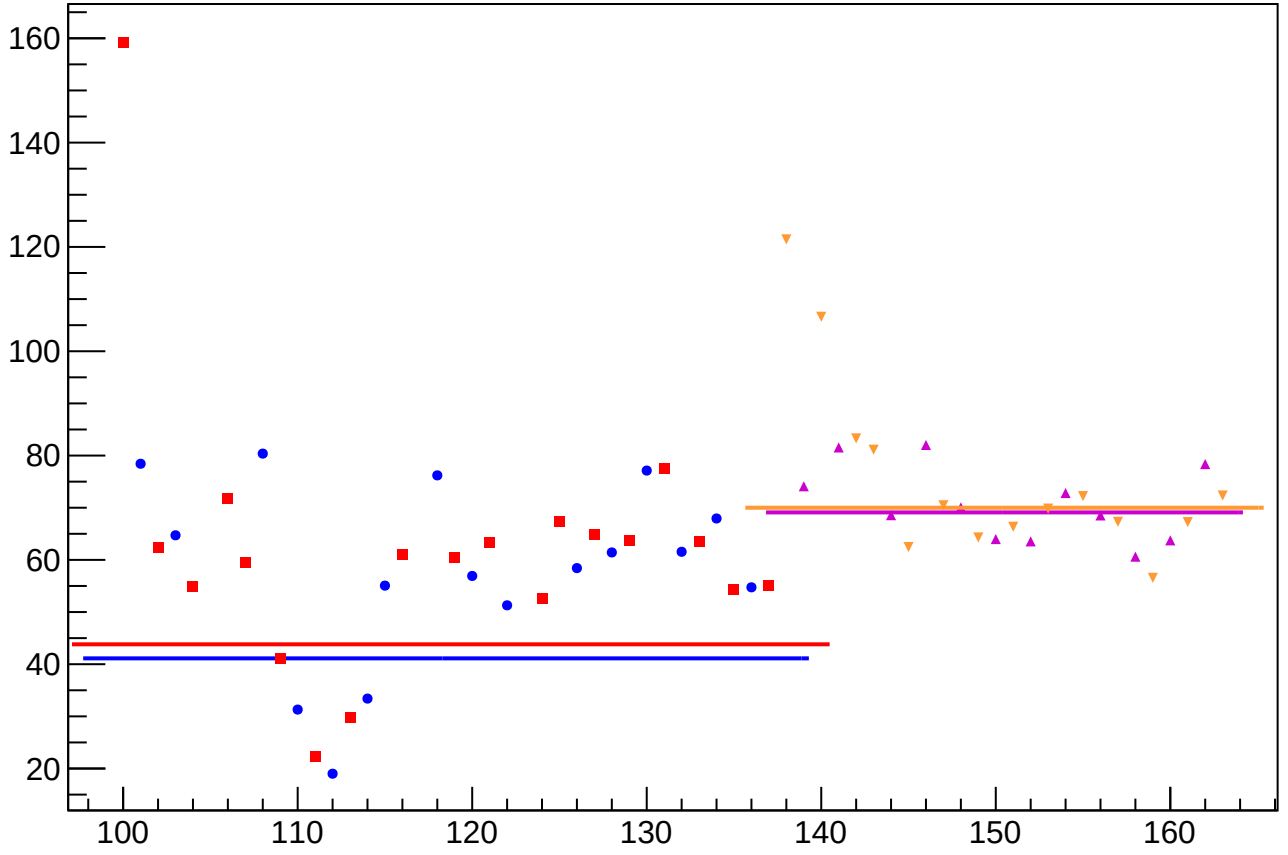
Left In: -0.004+/-0.022 χ^2/NDF:12.4/11

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.014+/-0.010 χ^2/NDF: 72.8/60

- sign -0.003+/-0.014 χ^2/NDF: 31.6/30

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.001+/-0.015 χ^2/NDF:629697.5/13

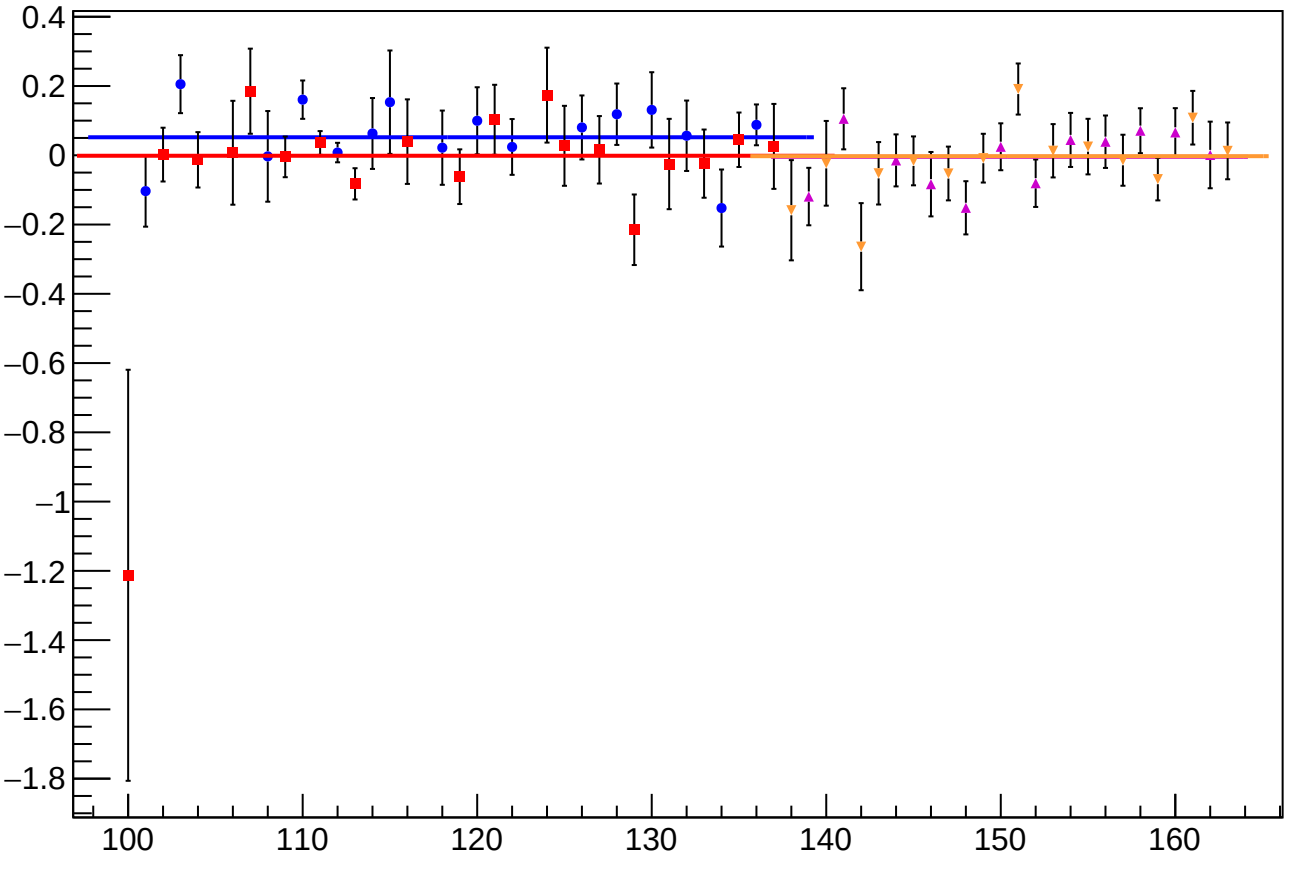
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.103+/-0.016 χ^2/NDF:179961.9/11

+ sign 52.774+/-0.010 χ^2/NDF: 5686705.6/29

All: 53.316+/-0.007 χ^2/NDF: 9505094.6/60

- sign 53.874+/-0.010 χ^2/NDF: 3812055.0/30



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

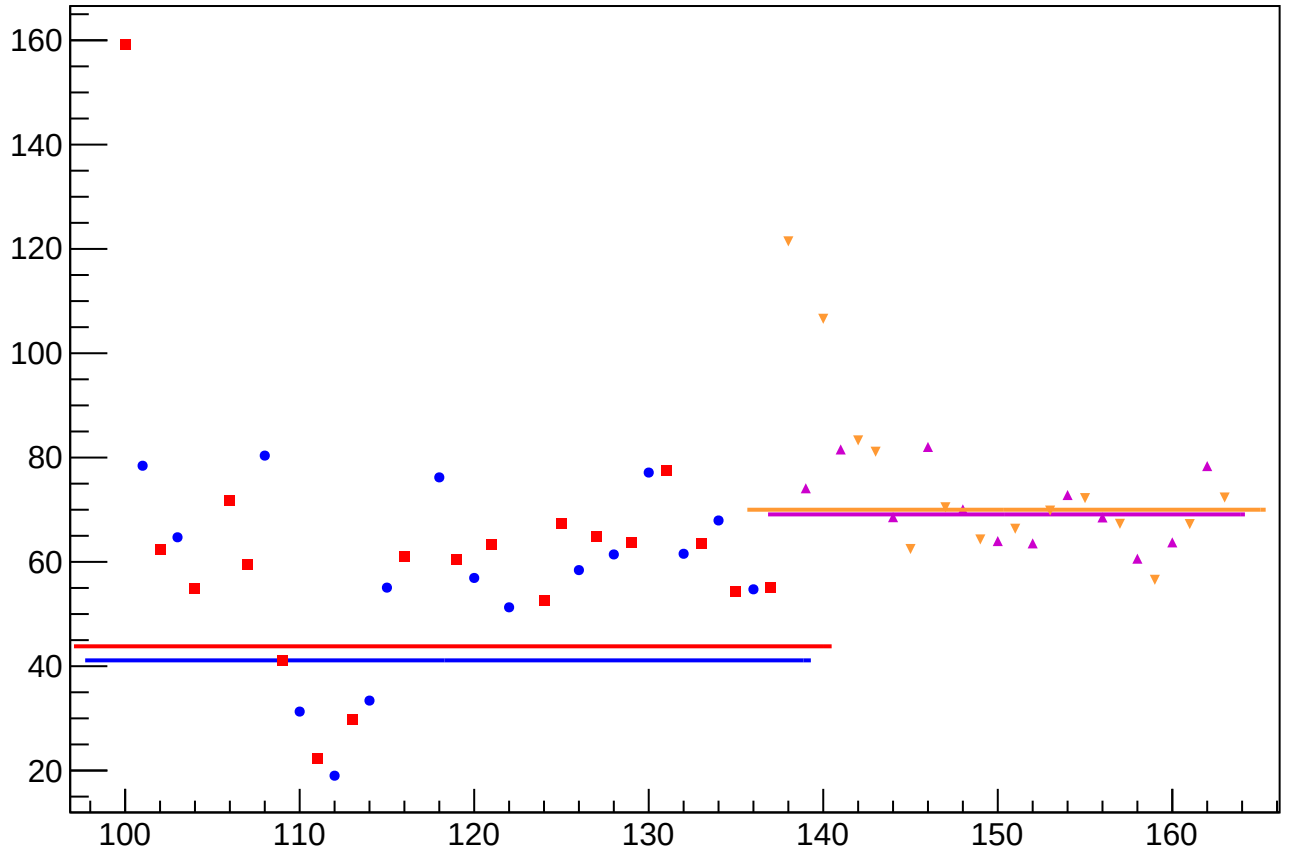
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.004+/-0.022 χ^2/NDF:12.4/11

+ sign 0.030+/-0.014 χ^2/NDF: 38.4/29

All: 0.014+/-0.010 χ^2/NDF: 72.8/60

- sign -0.003+/-0.014 χ^2/NDF: 31.6/30



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.001+/-0.015 χ^2/NDF:629697.5/13

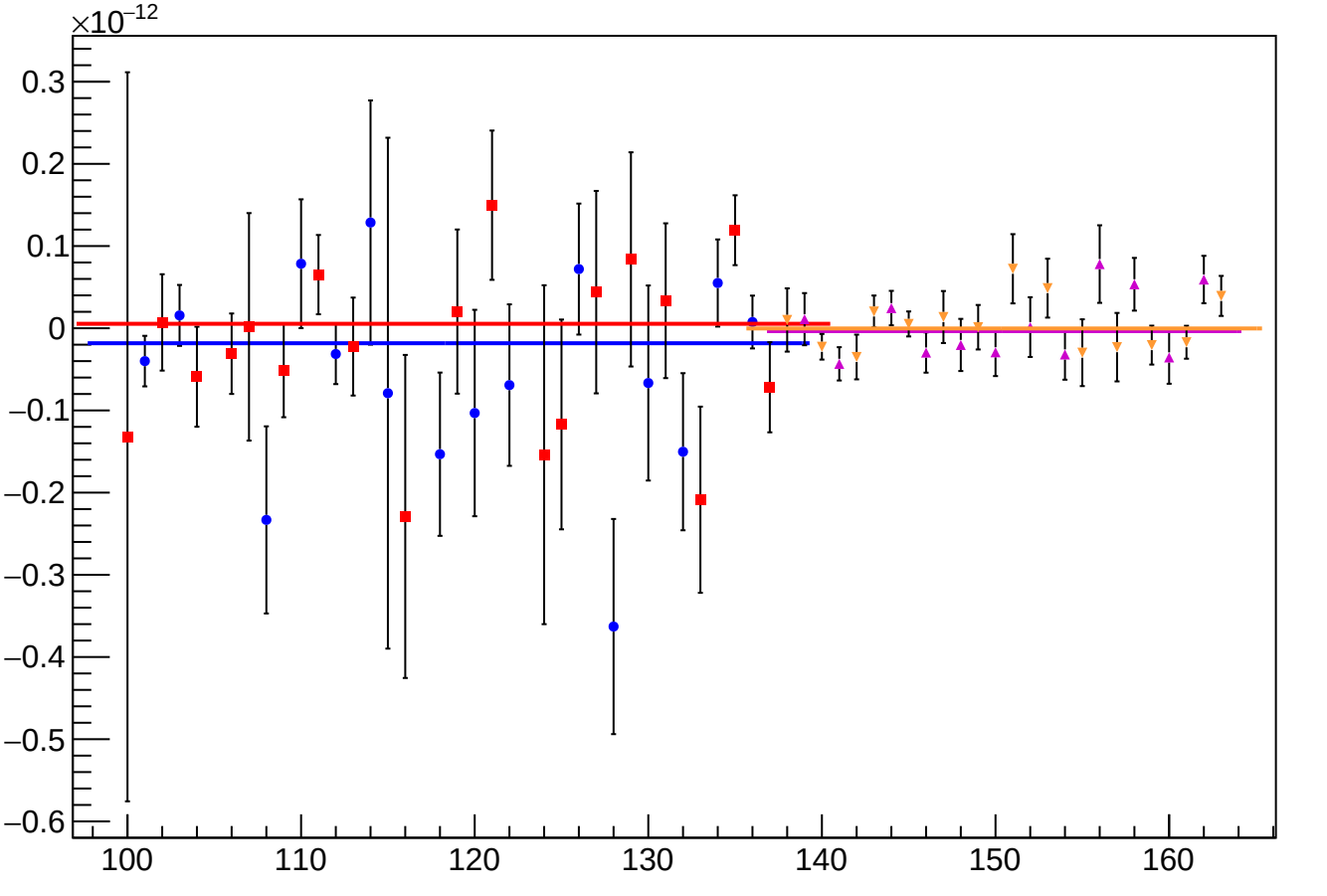
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.103+/-0.016 χ^2/NDF:179961.9/11

+ sign 52.774+/-0.010 χ^2/NDF: 5686705.6/29

All: 53.316+/-0.007 χ^2/NDF: 9505094.6/60

- sign 53.874+/-0.010 χ^2/NDF: 3812055.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/13

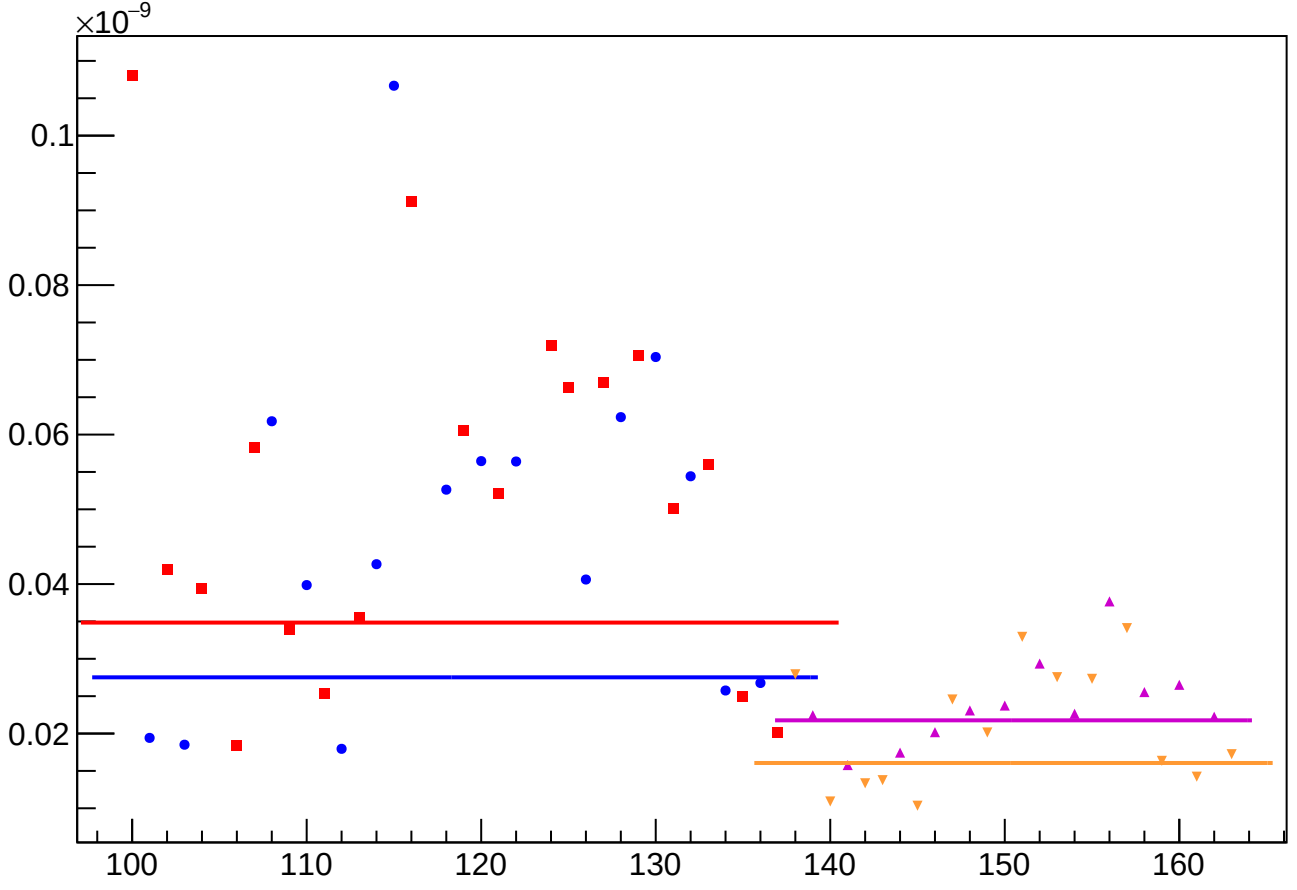
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/29

All: -0.000+/-0.000 χ^2/NDF: 83.6/60

- sign -0.000+/-0.000 χ^2/NDF: 44.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2005463.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

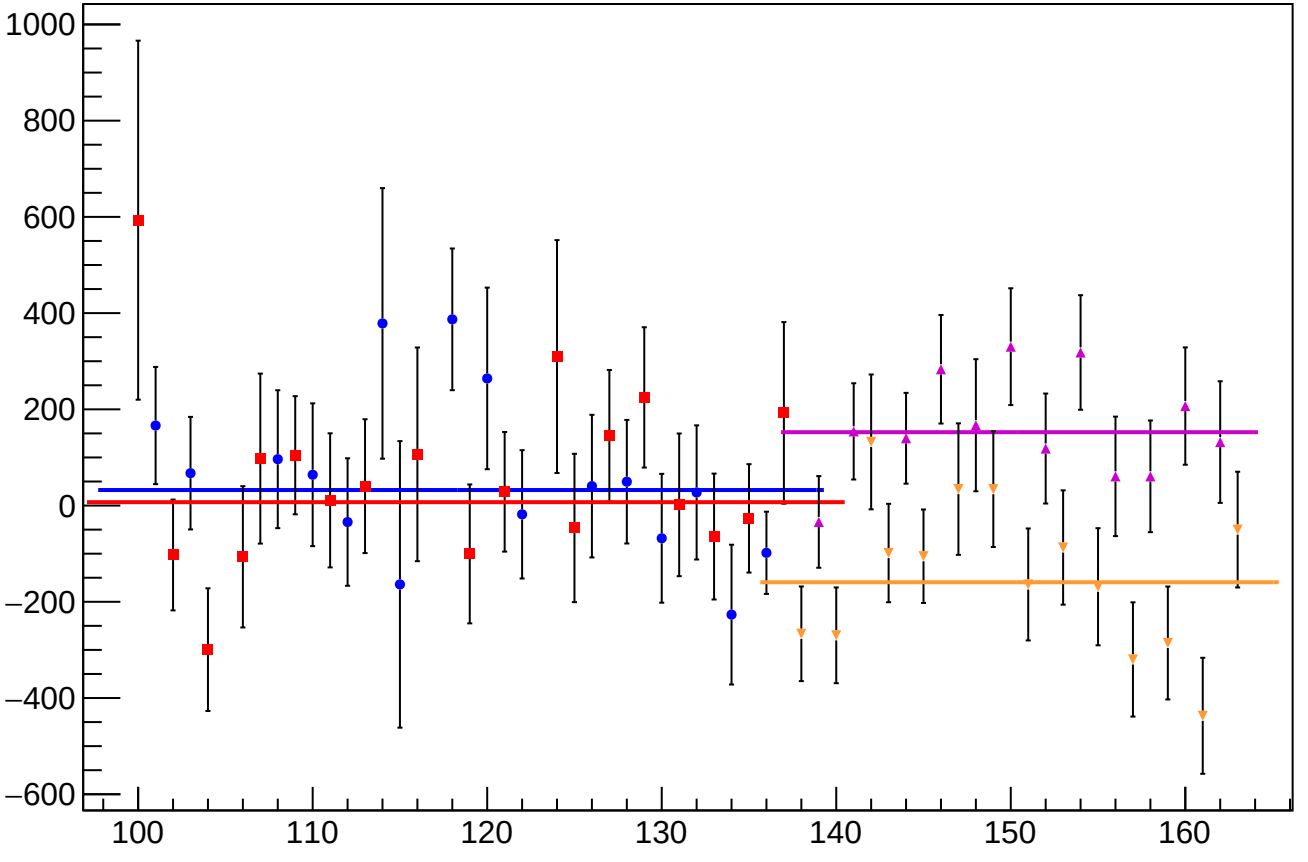
Left In: 0.000+/-0.000 χ^2/NDF:670582.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 4858338.5/29

All: 0.000+/-0.000 χ^2/NDF: 9096748.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3337750.4/30

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.381+/-30.525 χ^2/NDF:21.5/13

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

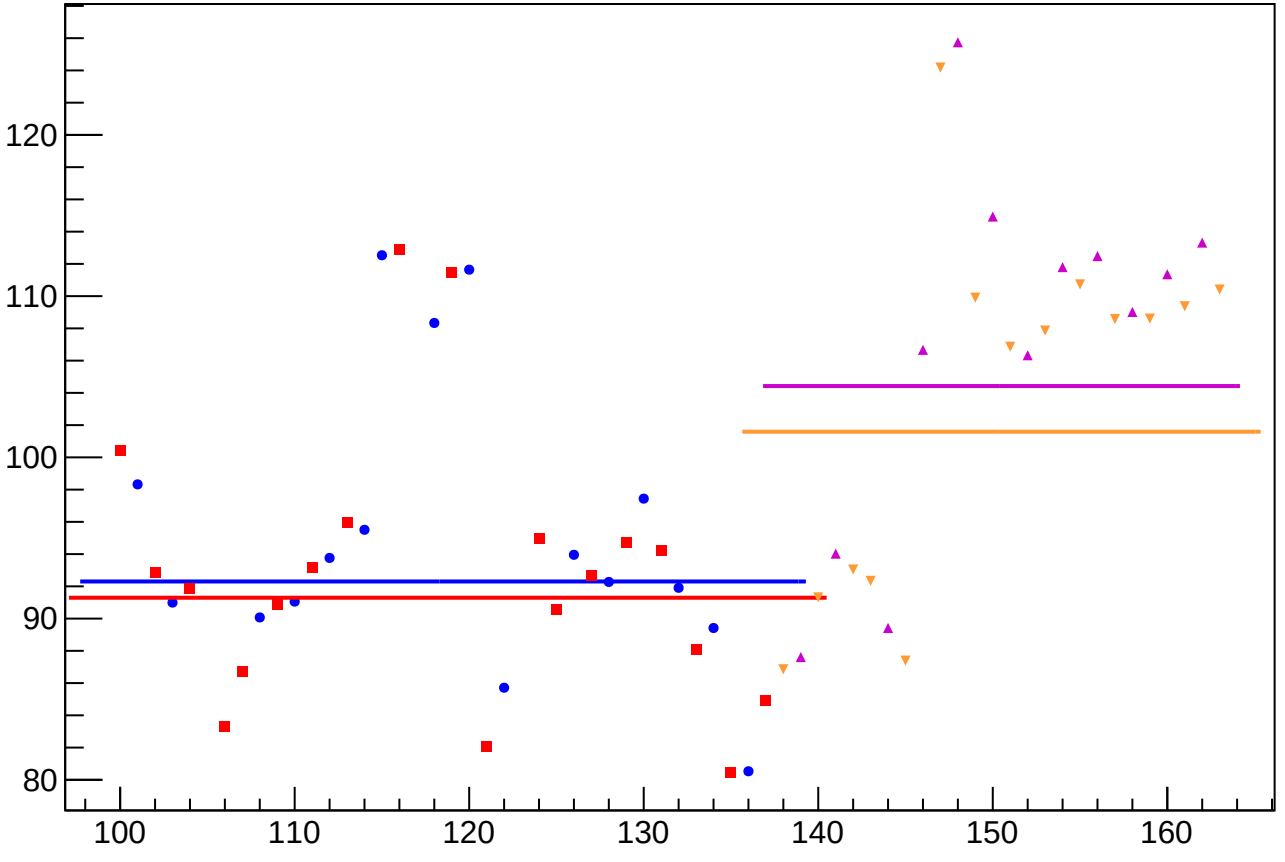
Left In: 152.516+/-32.648 χ^2/NDF:10.8/11

+ sign -75.019+/-22.841 χ^2/NDF: 56.2/29

All: 1.497+/-16.329 χ^2/NDF: 117.3/60

- sign 81.491+/-23.354 χ^2/NDF: 38.2/30

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

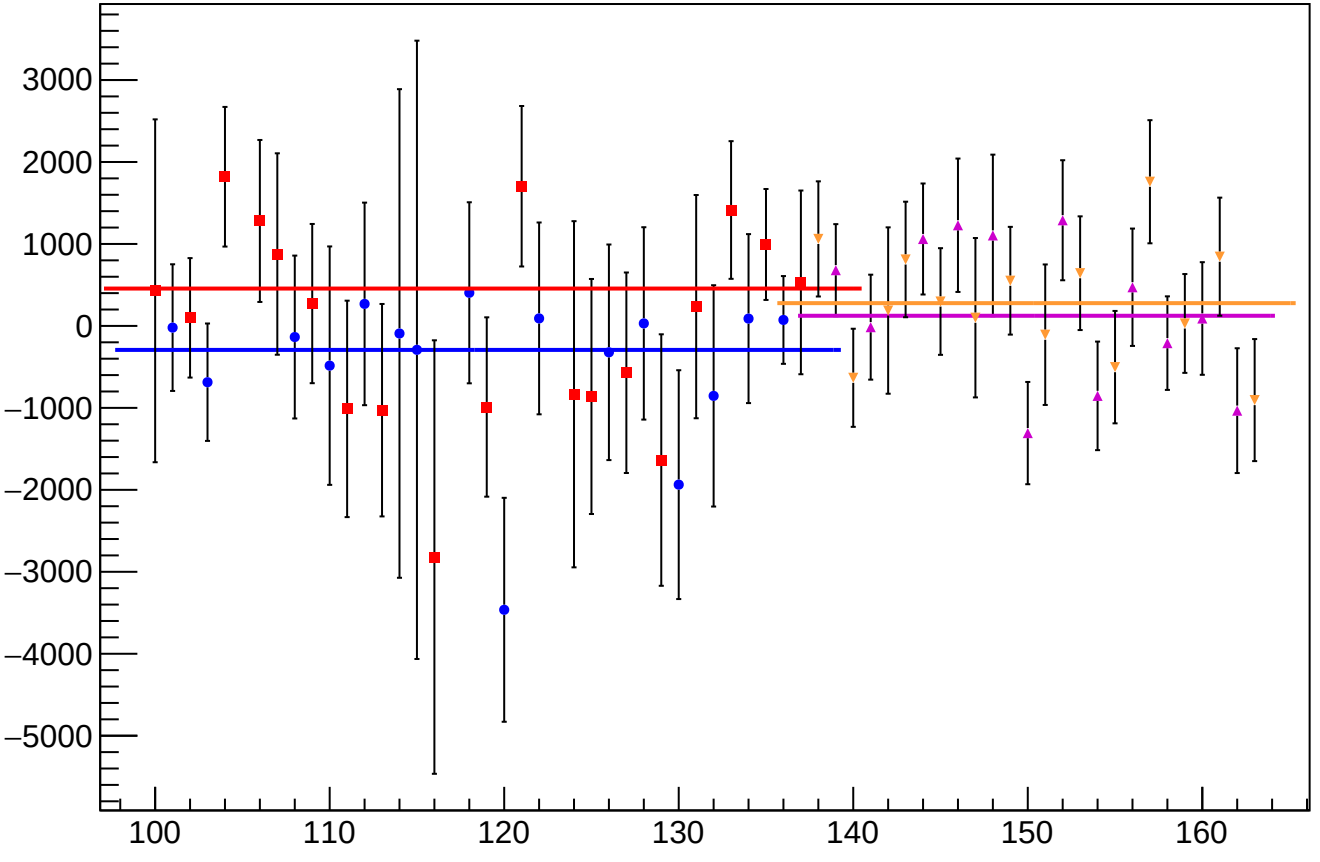
Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

+ sign 97.503+/-0.016 χ^2/NDF: 439621.6/29

All: 97.752+/-0.012 χ^2/NDF: 937857.2/60

- sign 98.012+/-0.017 χ^2/NDF: 497750.3/30

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

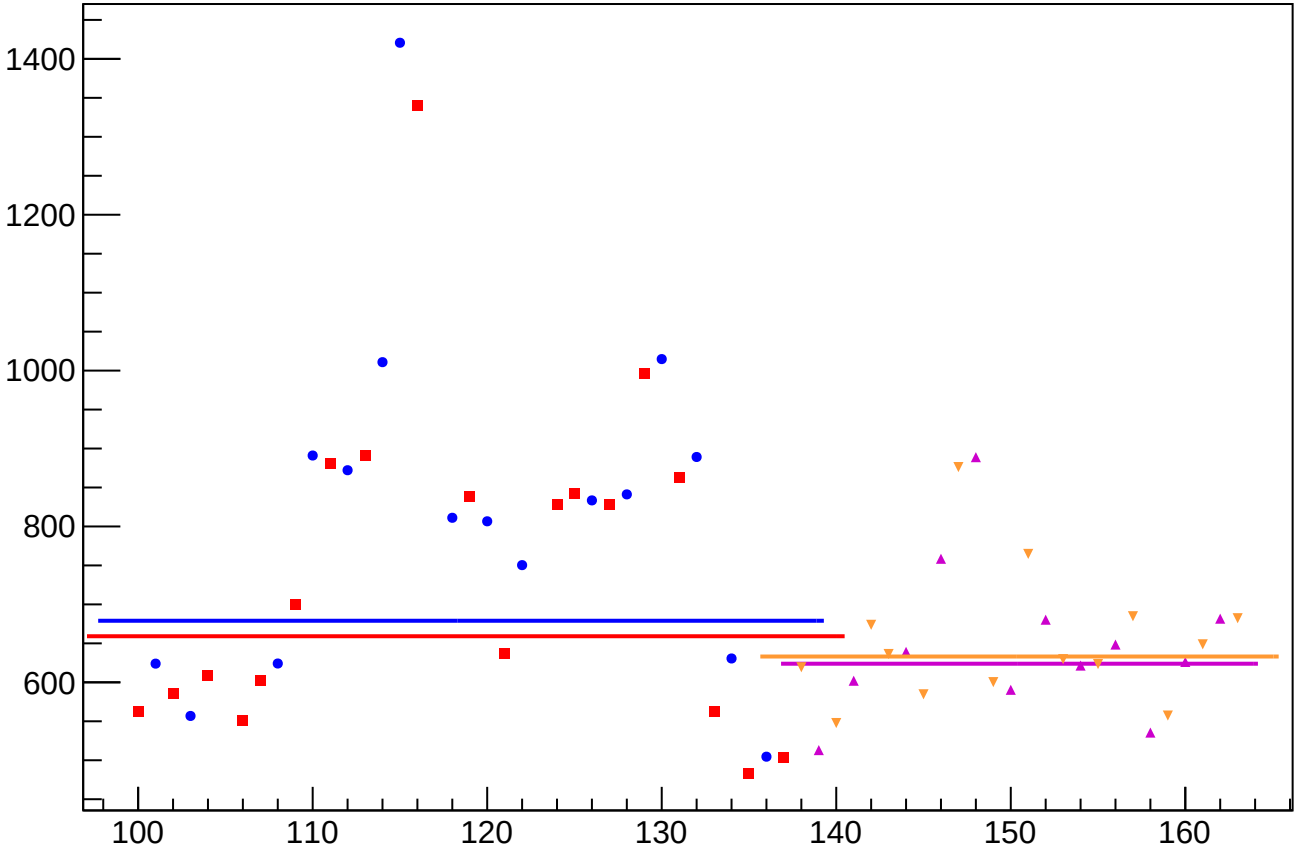
Left In: 123.851+/-196.464 χ^2/NDF:18.6/11

\+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 164.218+/-108.942 χ^2/NDF: 62.5/60

\- sign 251.405+/-154.169 χ^2/NDF: 36.6/30

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.113+/-0.135 χ^2/NDF:284139.3/13

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

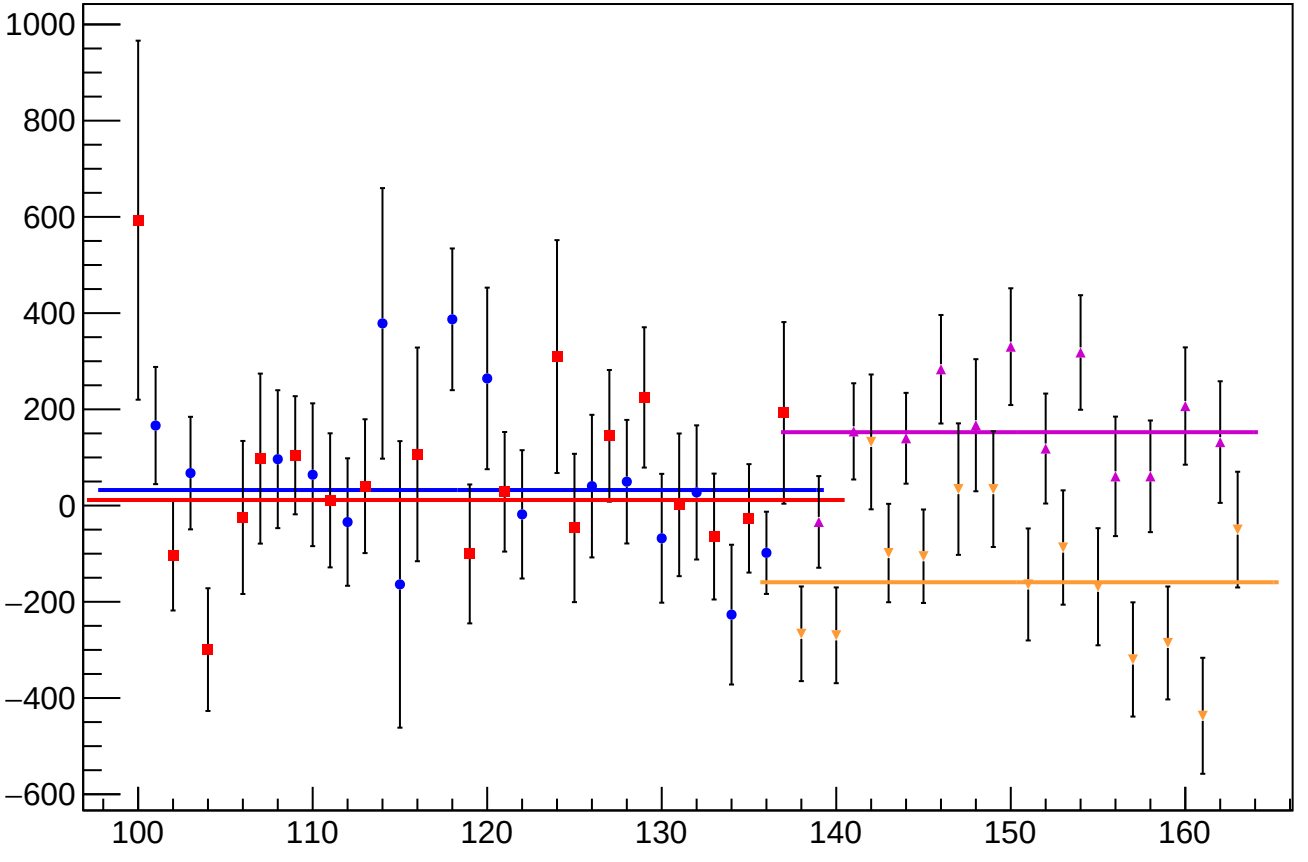
Left In: 623.880+/-0.139 χ^2/NDF:360220.1/11

+ sign 649.244+/-0.109 χ^2/NDF: 1092621.7/29

All: 643.342+/-0.077 χ^2/NDF: 2279346.7/60

- sign 637.425+/-0.109 χ^2/NDF: 1180840.2/30

cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

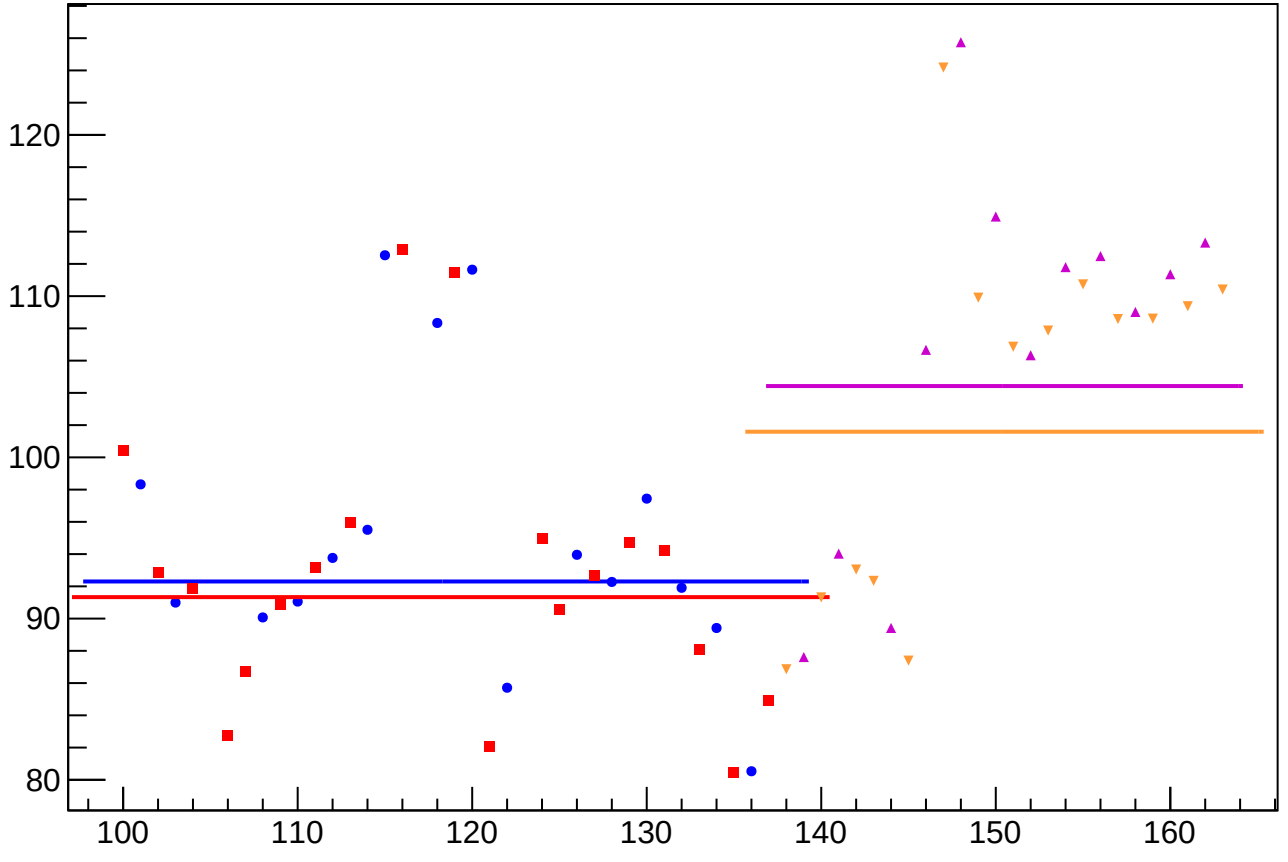
Left In: 152.519+/-32.648 χ^2/NDF:10.8/11

+ sign -75.011+/-22.841 χ^2/NDF: 56.2/29

All: 2.561+/-16.344 χ^2/NDF: 116.8/60

- sign 83.963+/-23.398 χ^2/NDF: 37.0/30

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

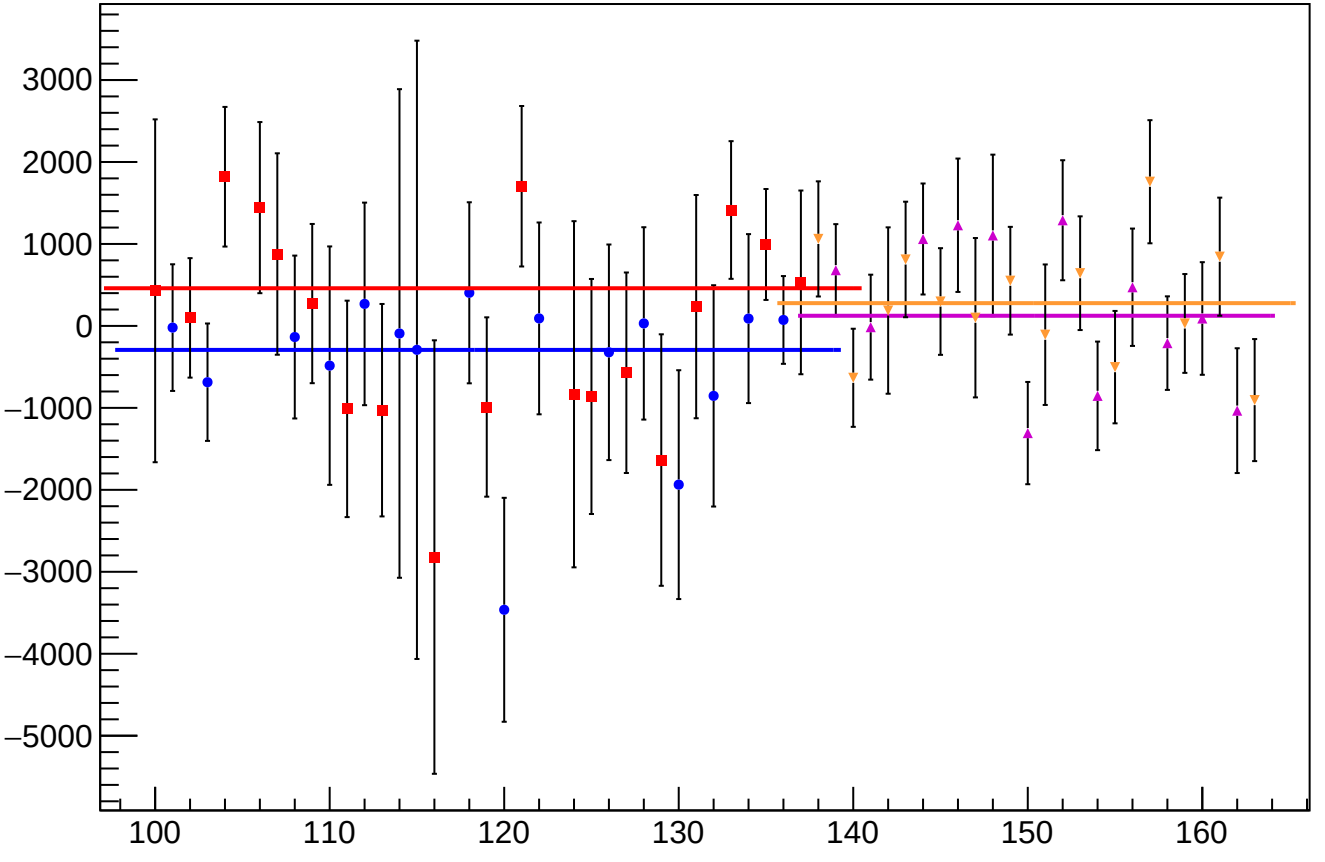
Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

+ sign 97.503+/-0.016 χ^2/NDF: 439621.5/29

All: 97.773+/-0.012 χ^2/NDF: 936226.8/60

- sign 98.056+/-0.017 χ^2/NDF: 496033.9/30

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

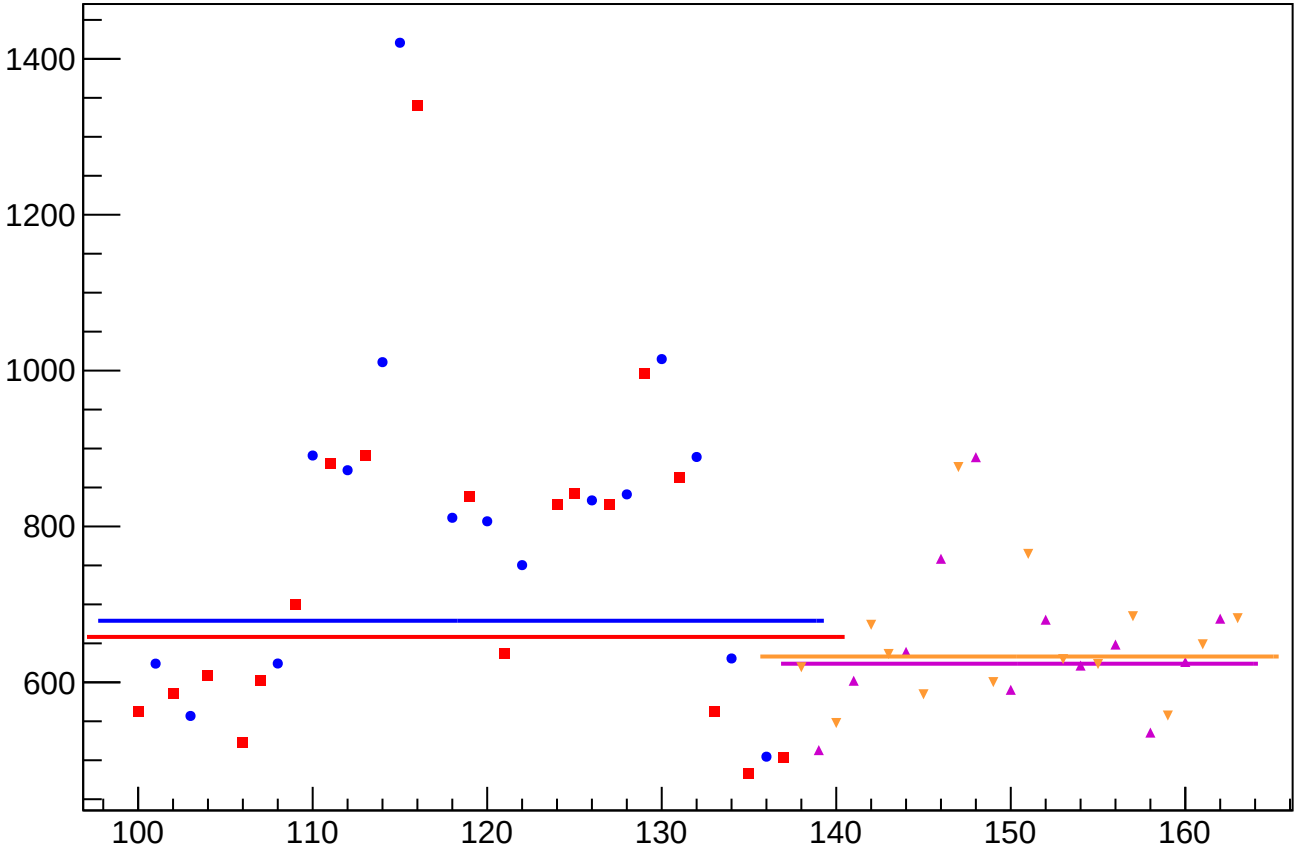
Left In: 123.853+/-196.464 χ^2/NDF:18.6/11

\+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 164.567+/-109.011 χ^2/NDF: 62.7/60

\- sign 252.326+/-154.365 χ^2/NDF: 36.8/30

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

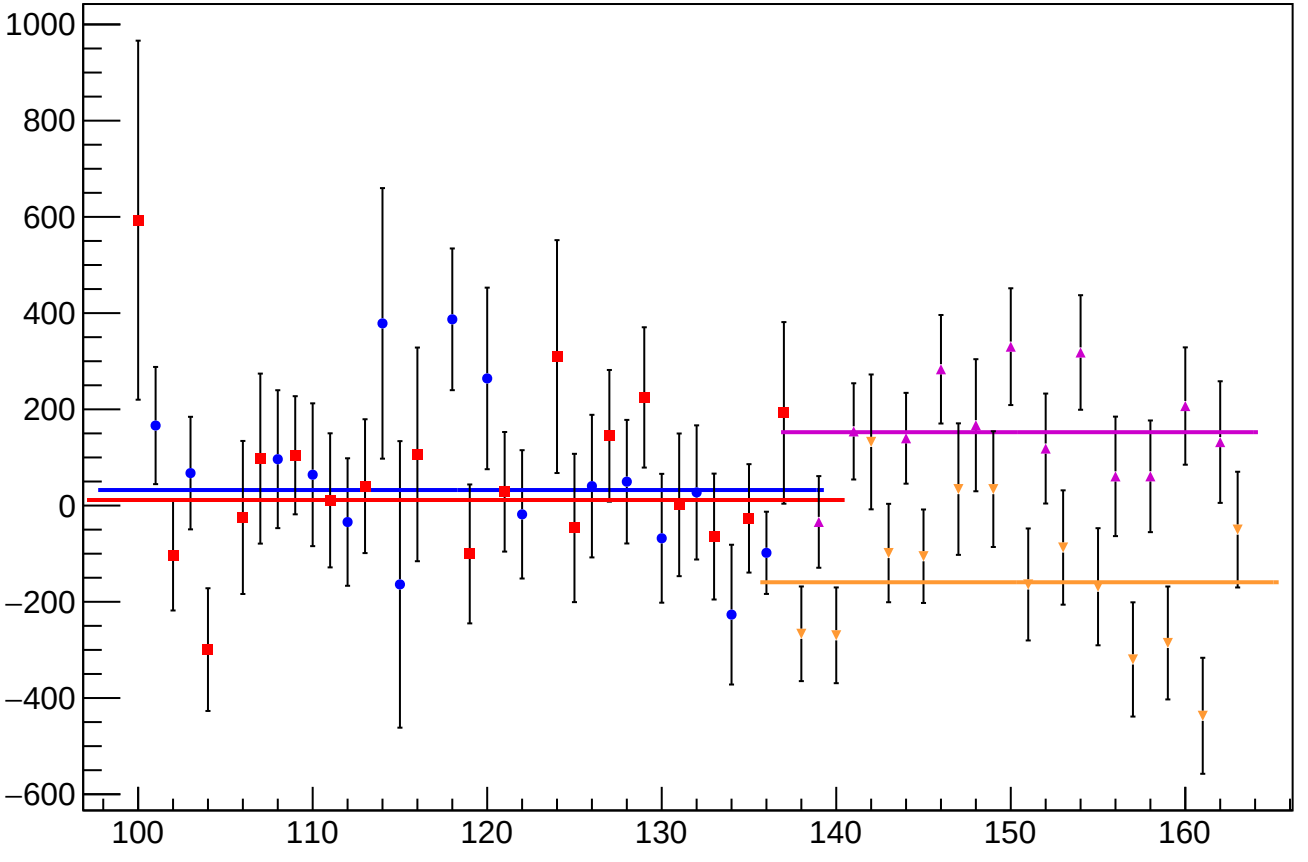
Left In: 623.880+/-0.139 χ^2/NDF:360219.6/11

+ sign 649.244+/-0.109 χ^2/NDF: 1092623.9/29

All: 643.156+/-0.077 χ^2/NDF: 2288449.5/60

- sign 637.037+/-0.109 χ^2/NDF: 1189555.6/30

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

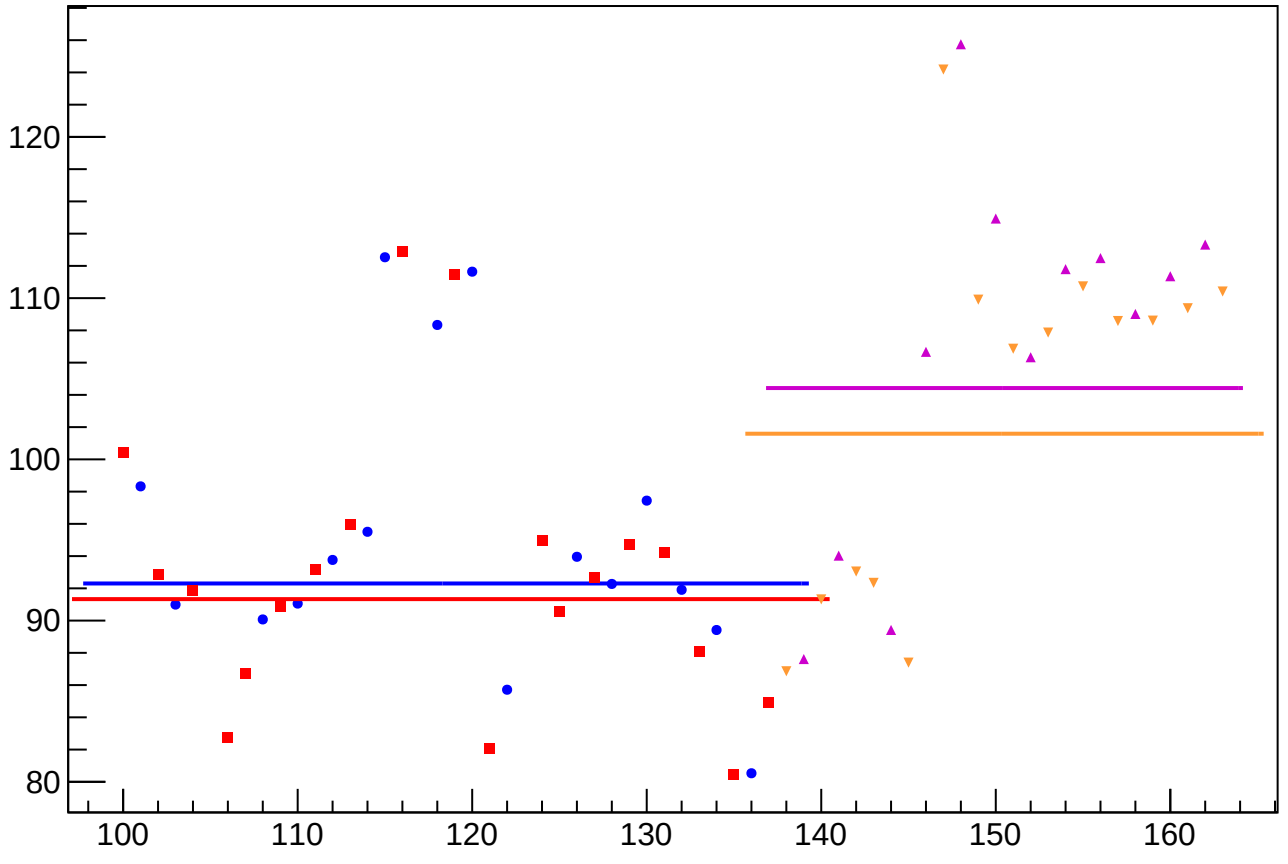
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 152.519+/-32.648 χ^2/NDF:10.8/11

+ sign -75.011+/-22.841 χ^2/NDF: 56.2/29

All: 2.561+/-16.344 χ^2/NDF: 116.8/60

- sign 83.963+/-23.398 χ^2/NDF: 37.0/30



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

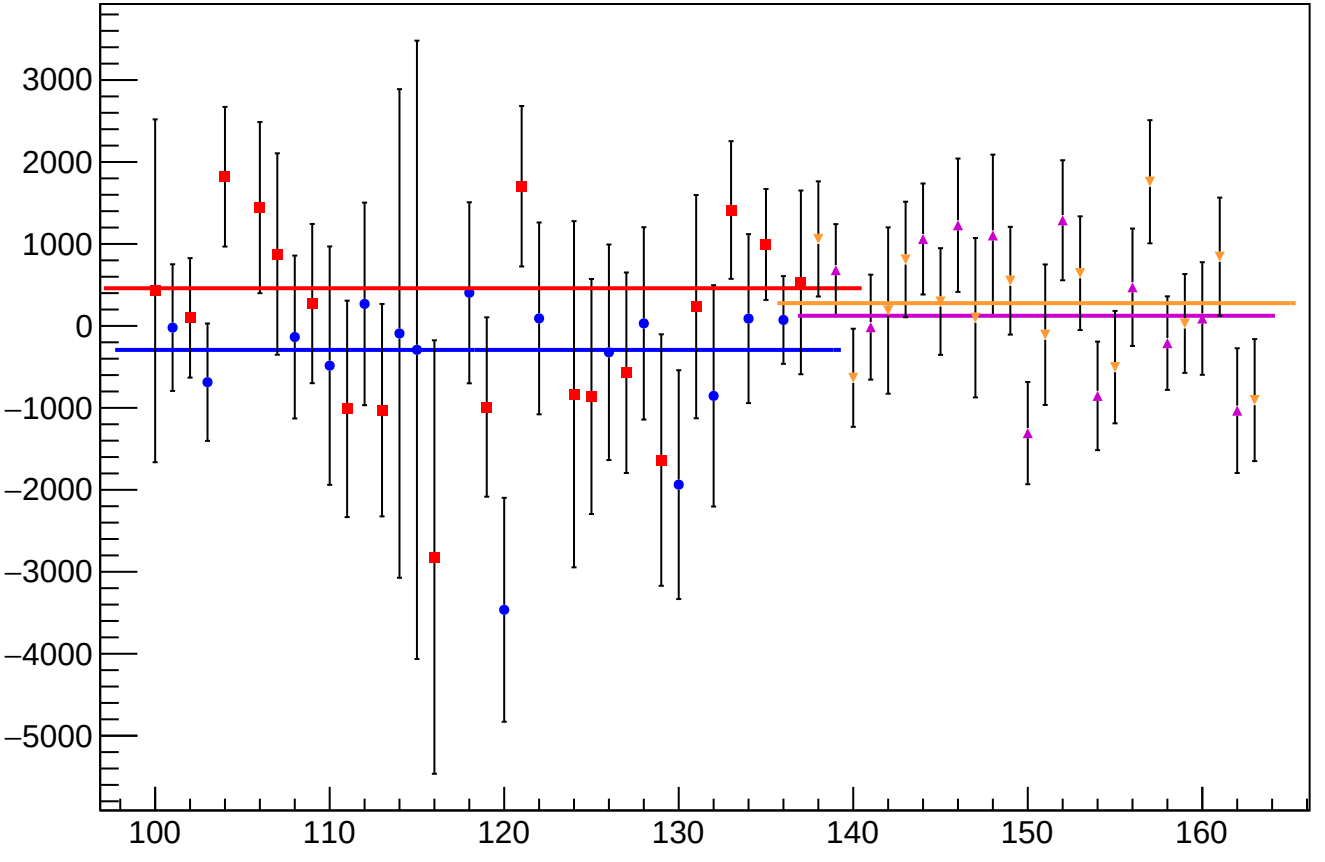
Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

+ sign 97.503+/-0.016 χ^2/NDF: 439621.5/29

All: 97.773+/-0.012 χ^2/NDF: 936226.8/60

- sign 98.056+/-0.017 χ^2/NDF: 496033.9/30

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

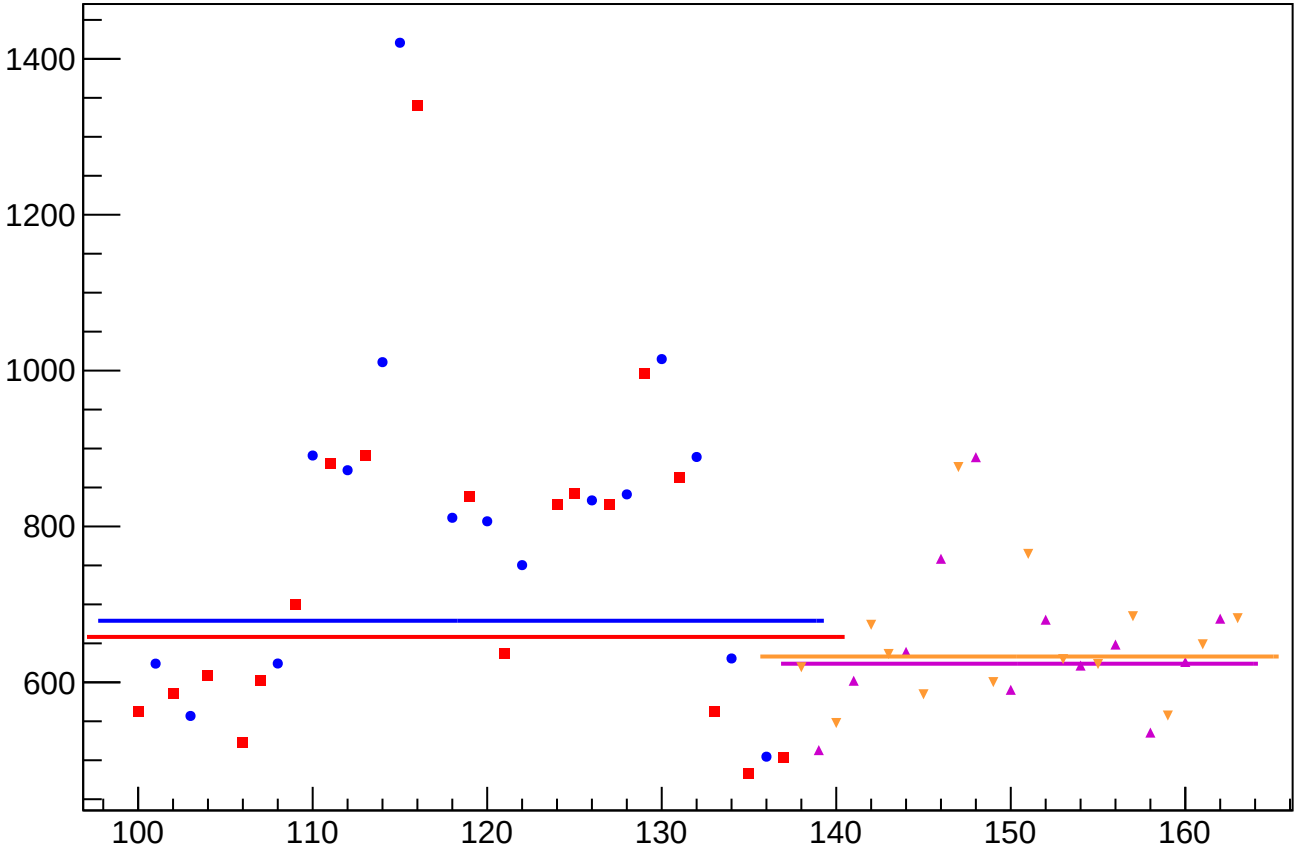
Left In: 123.853+/-196.464 χ^2/NDF:18.6/11

+ sign 77.260+/-153.966 χ^2/NDF: 25.3/29

All: 164.567+/-109.011 χ^2/NDF: 62.7/60

- sign 252.326+/-154.365 χ^2/NDF: 36.8/30

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

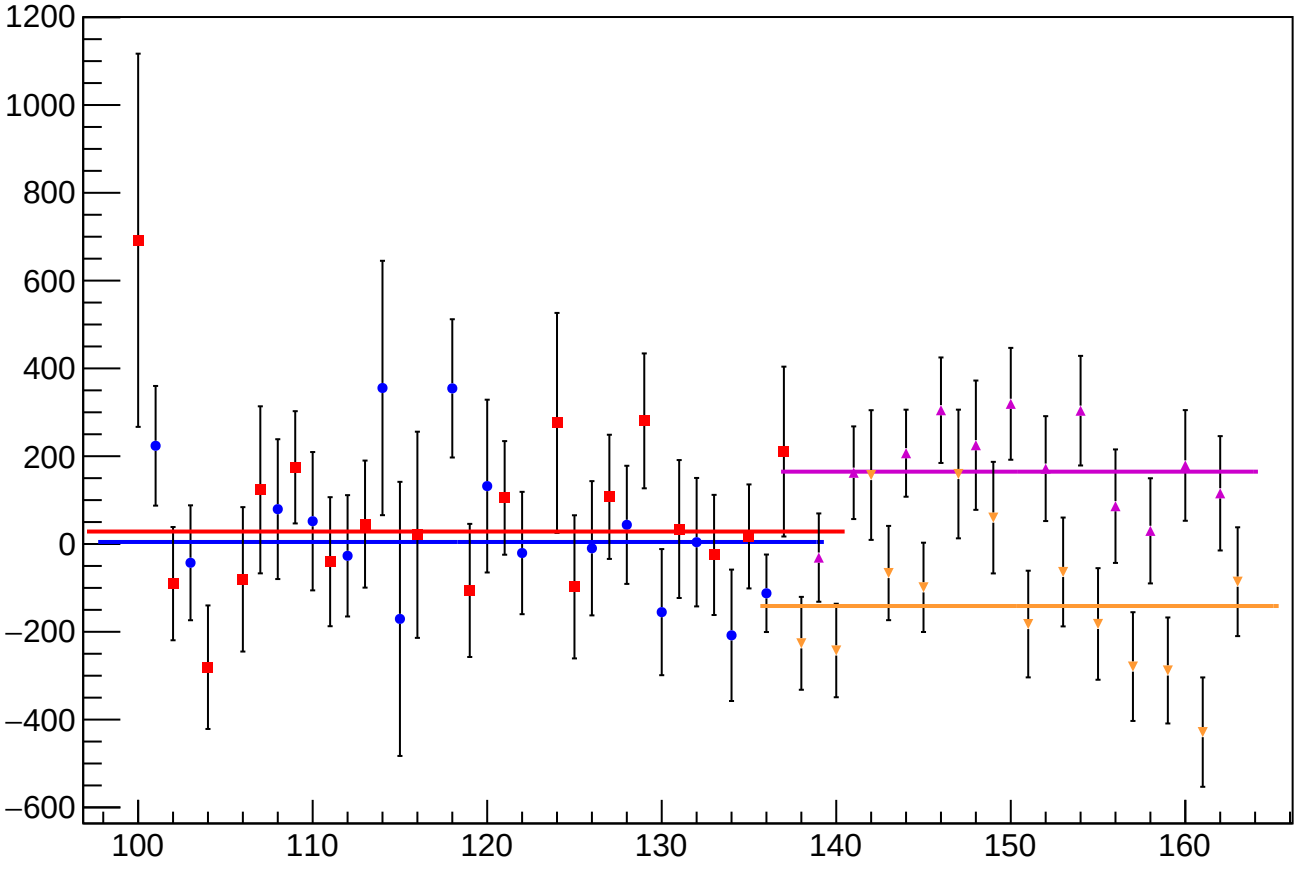
Left In: 623.880+/-0.139 χ^2/NDF:360219.6/11

+ sign 649.244+/-0.109 χ^2/NDF: 1092623.9/29

All: 643.156+/-0.077 χ^2/NDF: 2288449.5/60

- sign 637.037+/-0.109 χ^2/NDF: 1189555.6/30

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

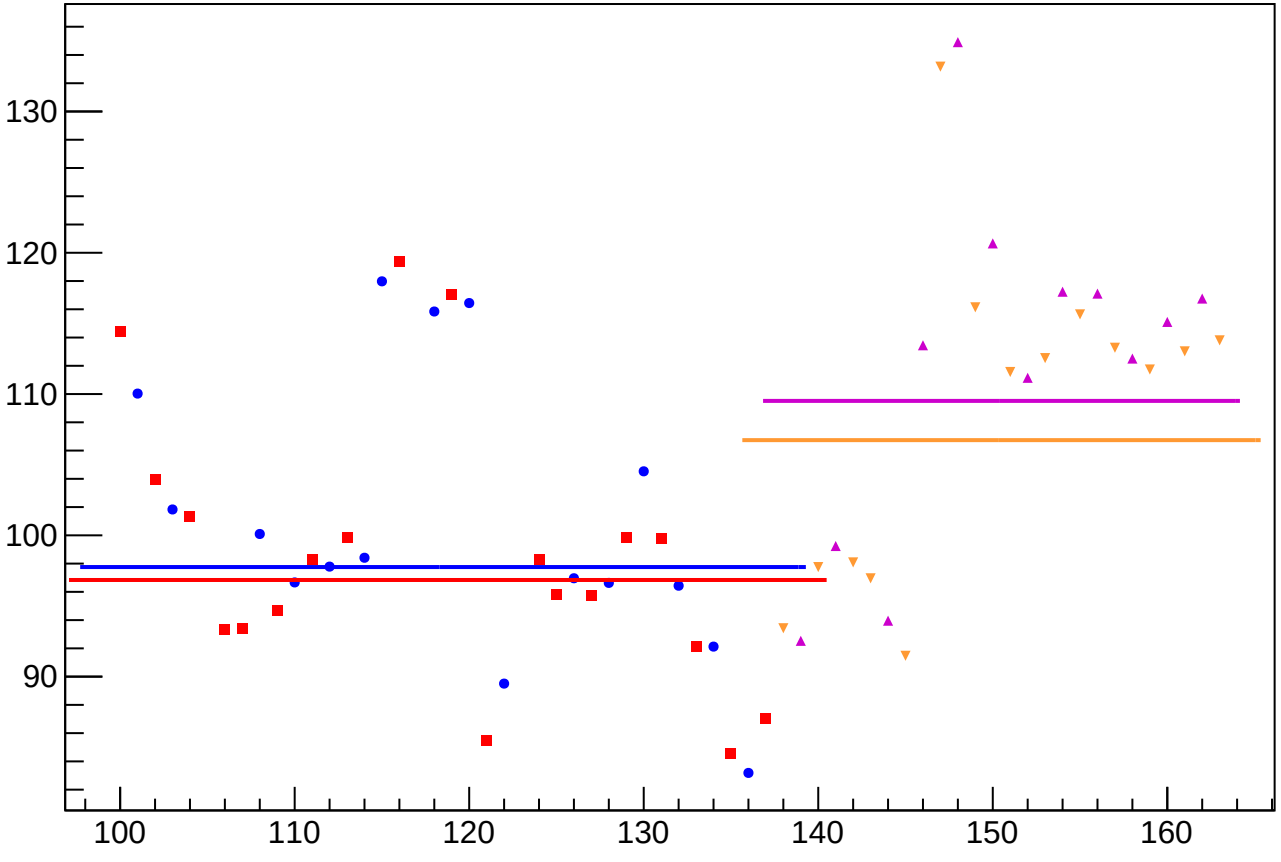
Left In: 164.784+/-34.240 χ^2/NDF:10.0/11

+ sign -77.751+/-24.088 χ^2/NDF: 46.2/29

All: 8.643+/-17.222 χ^2/NDF: 107.3/60

- sign 98.990+/-24.633 χ^2/NDF: 34.7/30

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.7/13

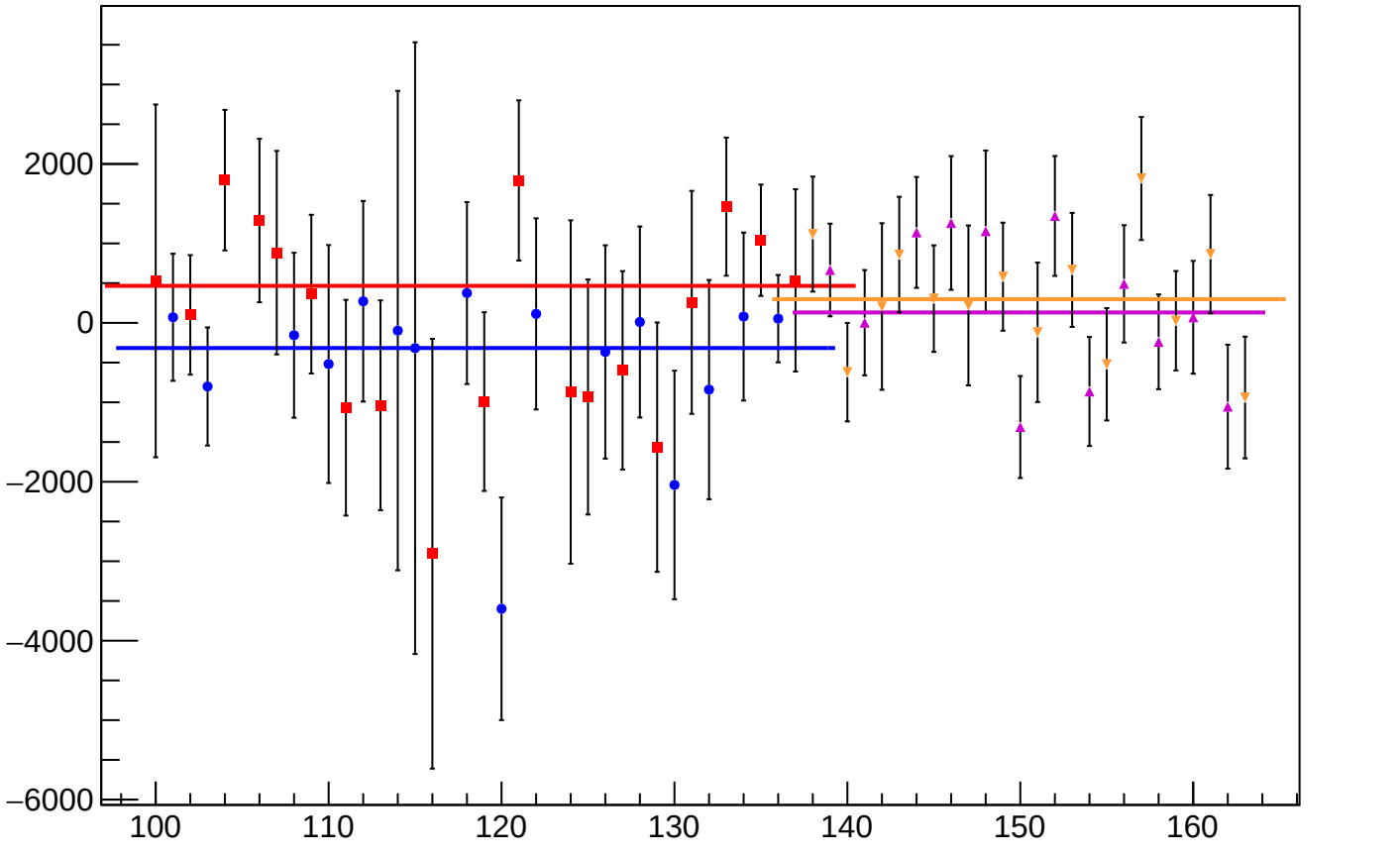
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 109.516+/-0.024 χ^2/NDF:228397.9/11

+ sign 102.828+/-0.017 χ^2/NDF: 437356.7/29

All: 103.108+/-0.012 χ^2/NDF: 913713.6/60

- sign 103.400+/-0.017 χ^2/NDF: 475805.3/30



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

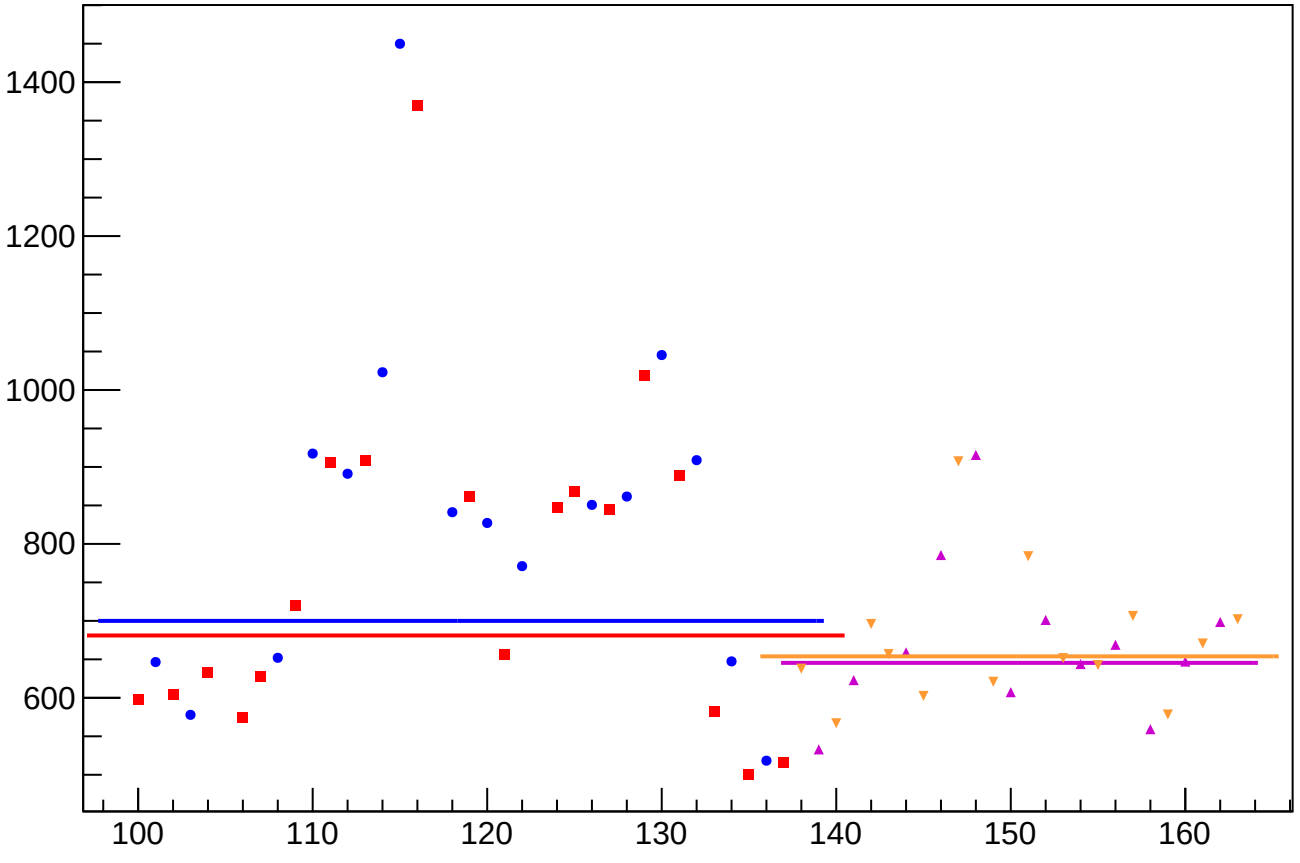
Left In: 131.036+/-203.115 χ^2/NDF:18.4/11

\+ sign 81.108+/-158.829 χ^2/NDF: 25.9/29

All: 170.244+/-112.465 χ^2/NDF: 62.5/60

\- sign 259.876+/-159.271 χ^2/NDF: 36.0/30

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.883+/-0.140 χ^2/NDF:278803.4/13

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

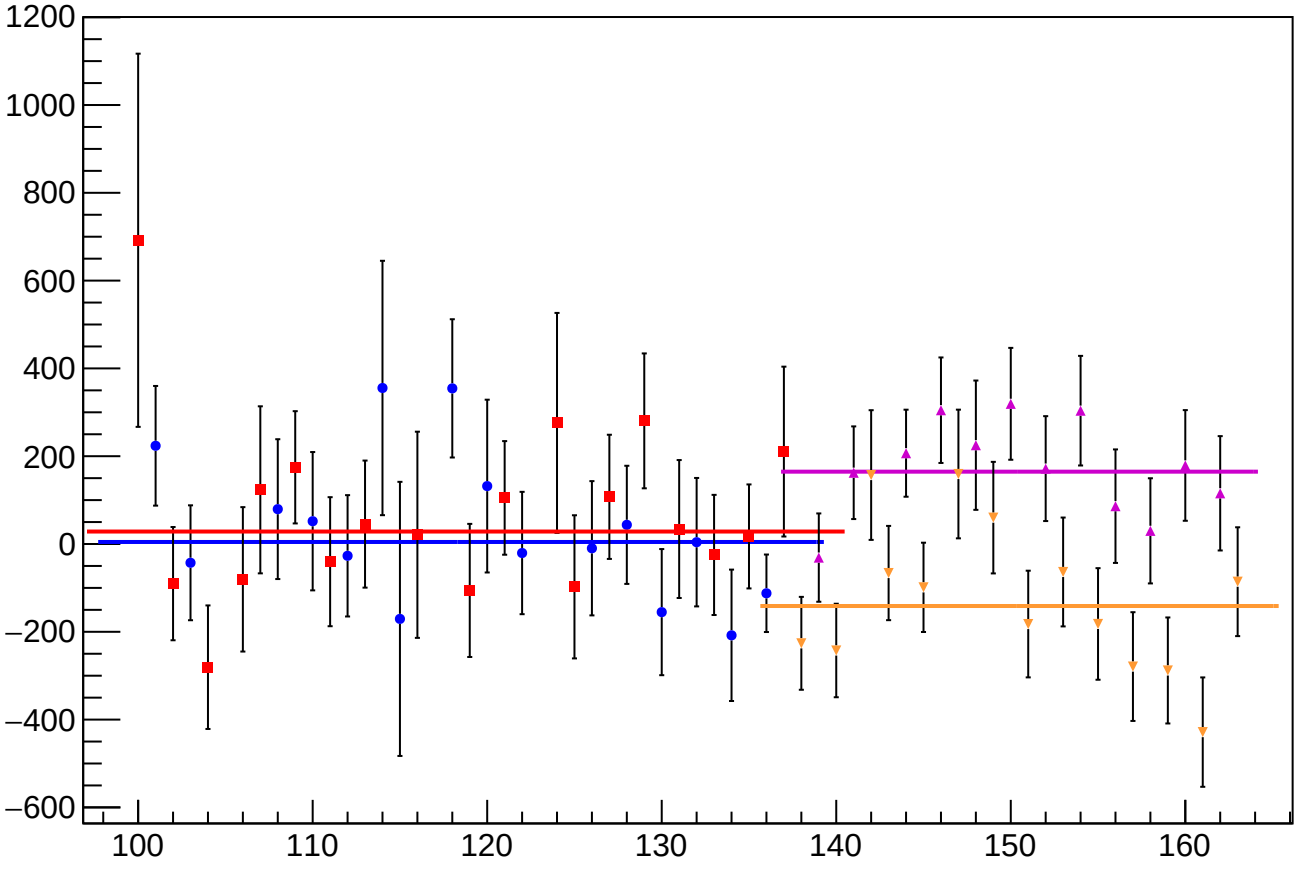
Left In: 645.435+/-0.144 χ^2/NDF:345745.4/11

+ sign 670.130+/-0.112 χ^2/NDF: 1070909.0/29

All: 664.649+/-0.080 χ^2/NDF: 2214464.8/60

- sign 659.138+/-0.113 χ^2/NDF: 1138780.0/30

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

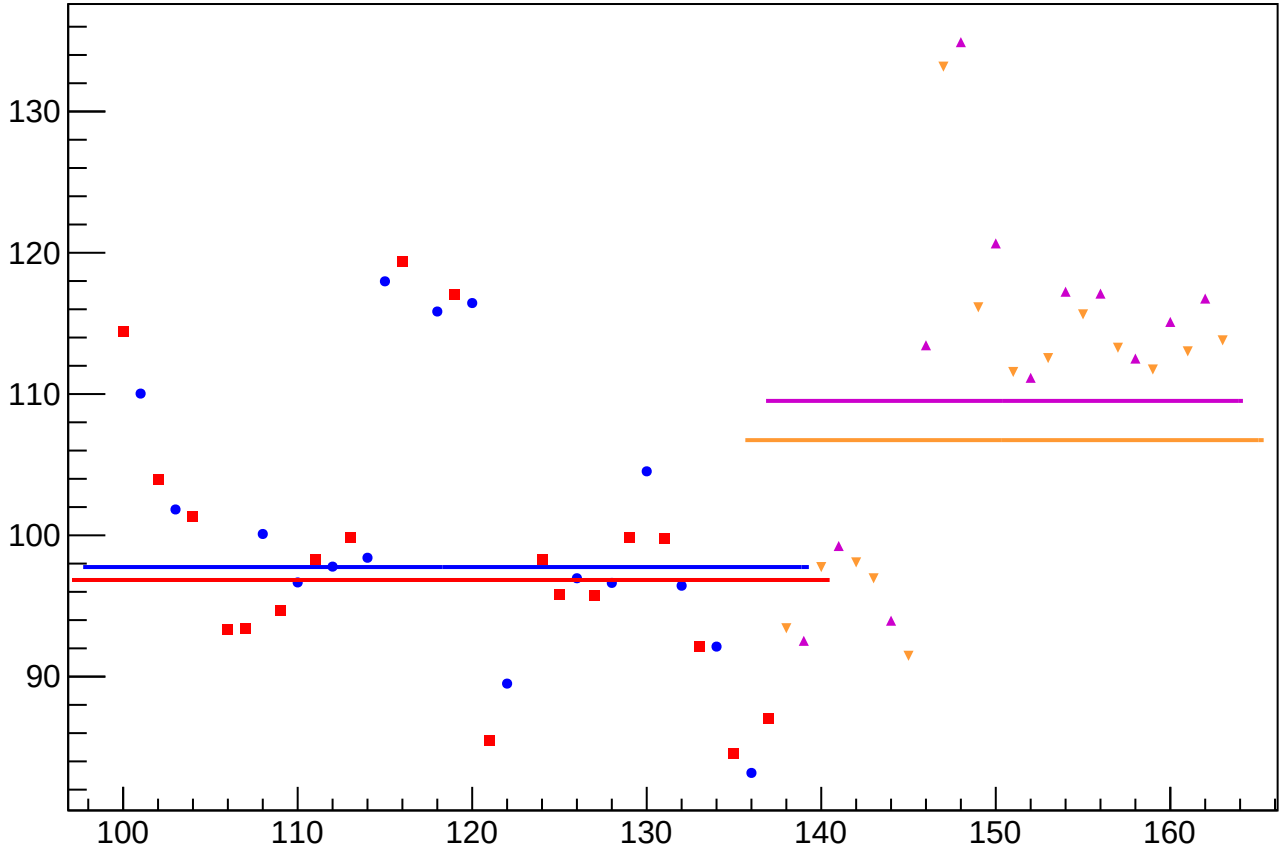
Left In: 164.784+/-34.240 χ^2/NDF:10.0/11

+ sign -77.750+/-24.088 χ^2/NDF: 46.2/29

All: 8.644+/-17.222 χ^2/NDF: 107.3/60

- sign 98.990+/-24.633 χ^2/NDF: 34.7/30

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.1/13

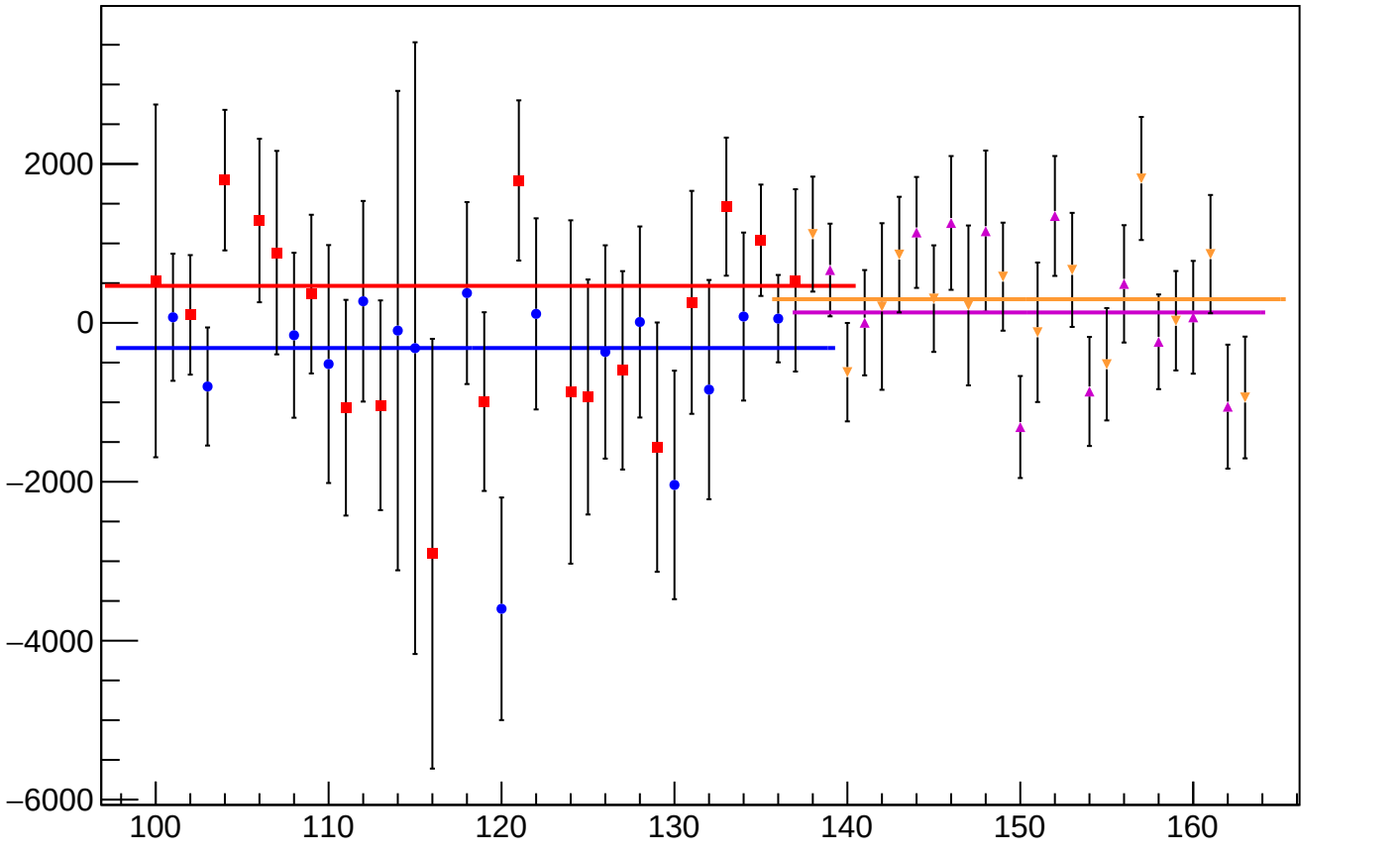
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.516+/-0.024 χ^2/NDF:228395.7/11

\+ sign 102.828+/-0.017 χ^2/NDF: 437362.1/29

All: 103.108+/-0.012 χ^2/NDF: 913728.0/60

\- sign 103.400+/-0.017 χ^2/NDF: 475814.4/30



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

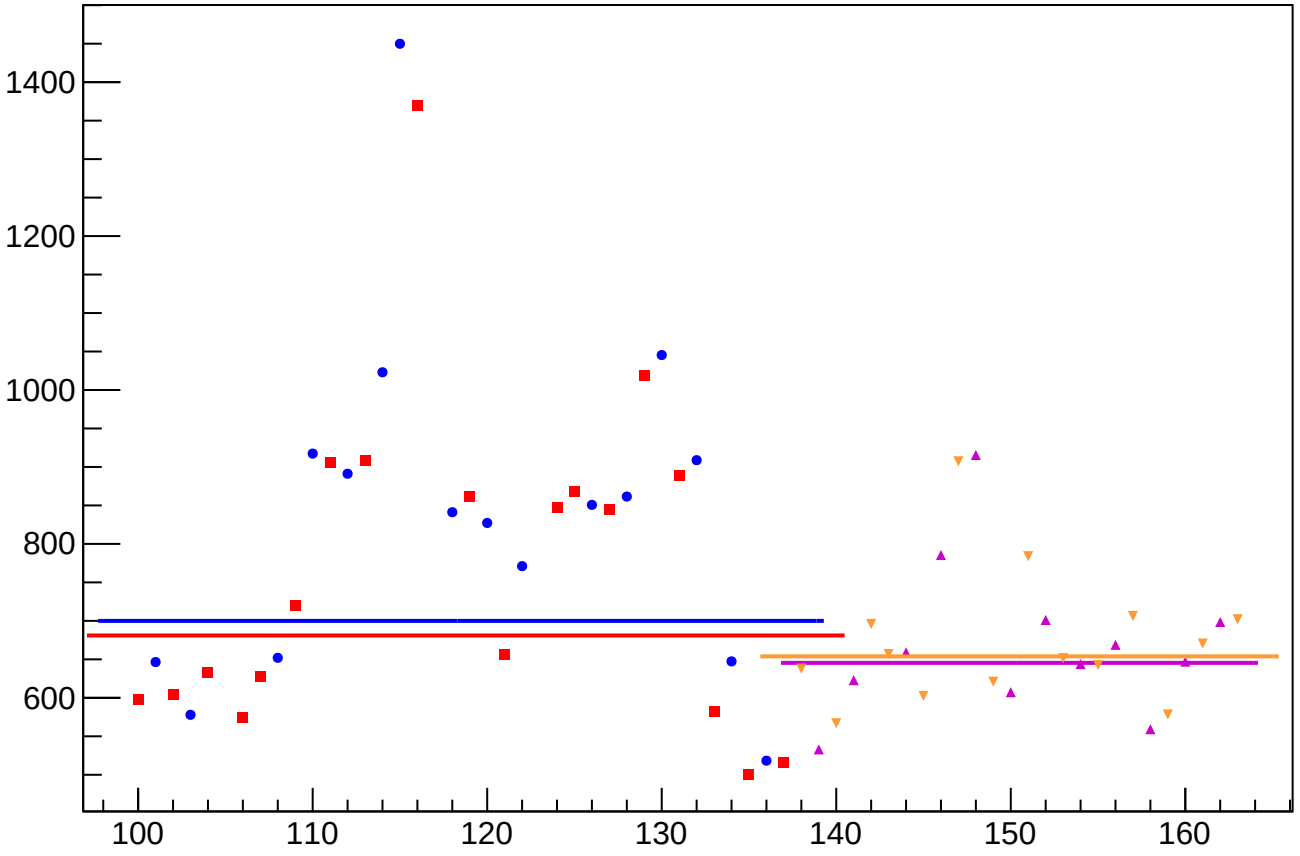
Left In: 131.036+/-203.115 χ^2/NDF:18.4/11

\+ sign 81.108+/-158.829 χ^2/NDF: 25.9/29

All: 170.244+/-112.465 χ^2/NDF: 62.5/60

\- sign 259.877+/-159.271 χ^2/NDF: 36.0/30

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.884+/-0.140 χ^2/NDF:278803.9/13

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

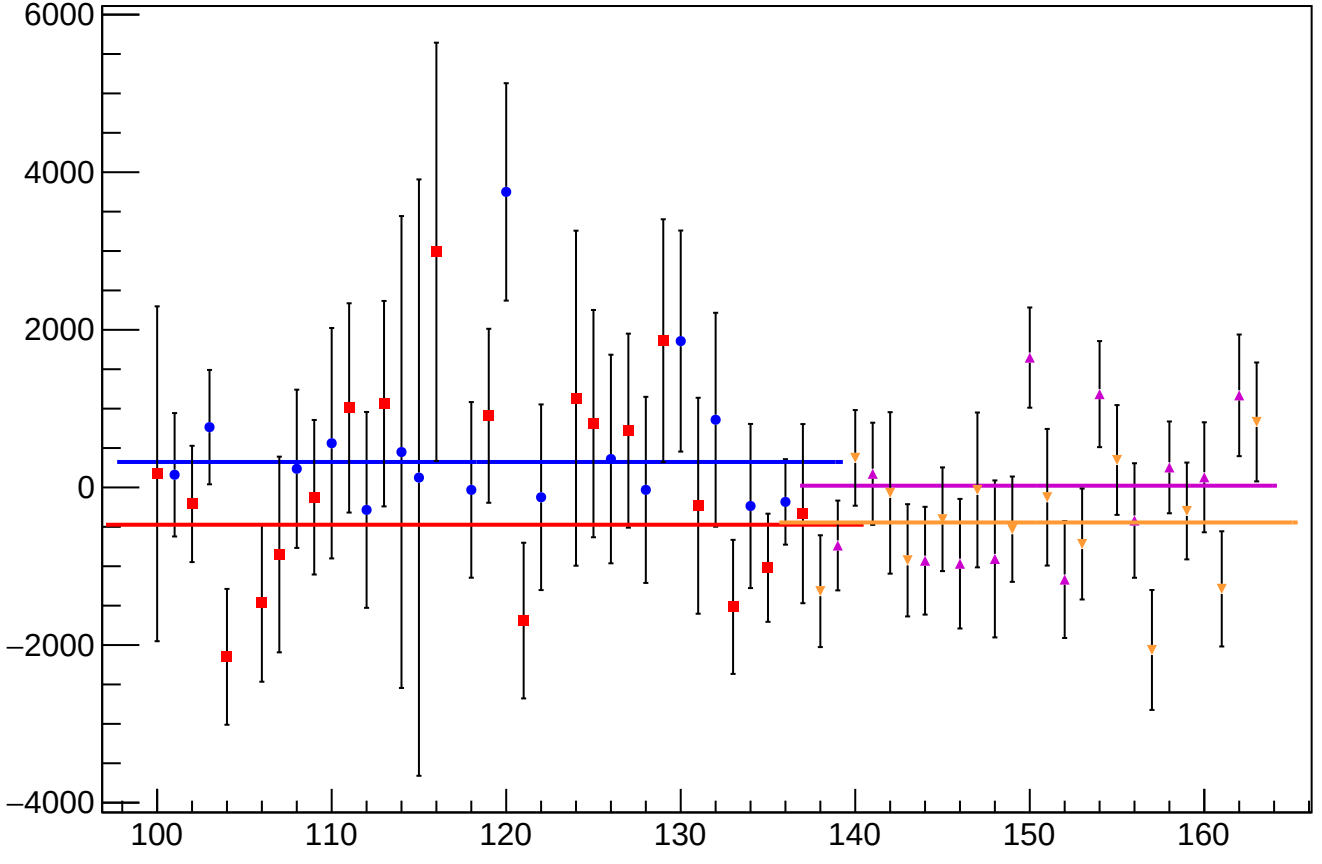
Left In: 645.435+/-0.144 χ^2/NDF:345745.7/11

+ sign 670.130+/-0.112 χ^2/NDF: 1070908.6/29

All: 664.649+/-0.080 χ^2/NDF: 2214465.3/60

- sign 659.138+/-0.113 χ^2/NDF: 1138780.7/30

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -444.587+/-193.792 χ^2/NDF:14.5/13

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

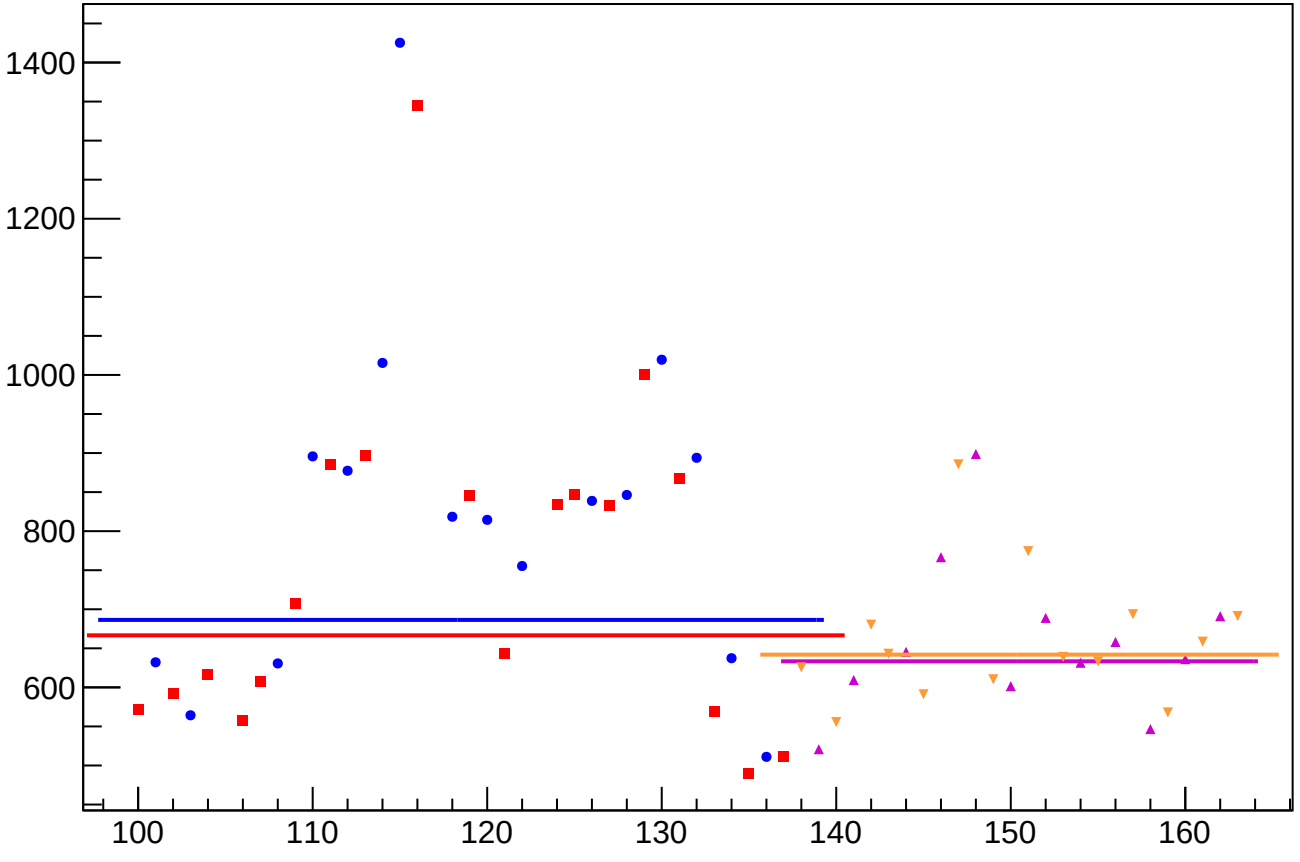
Left In: 22.100+/-199.373 χ^2/NDF:20.9/11

+ sign -173.519+/-155.873 χ^2/NDF: 29.7/29

All: -171.371+/-110.333 χ^2/NDF: 72.5/60

- sign -169.214+/-156.196 χ^2/NDF: 42.7/30

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 641.925+/-0.137 χ^2/NDF:278669.4/13

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

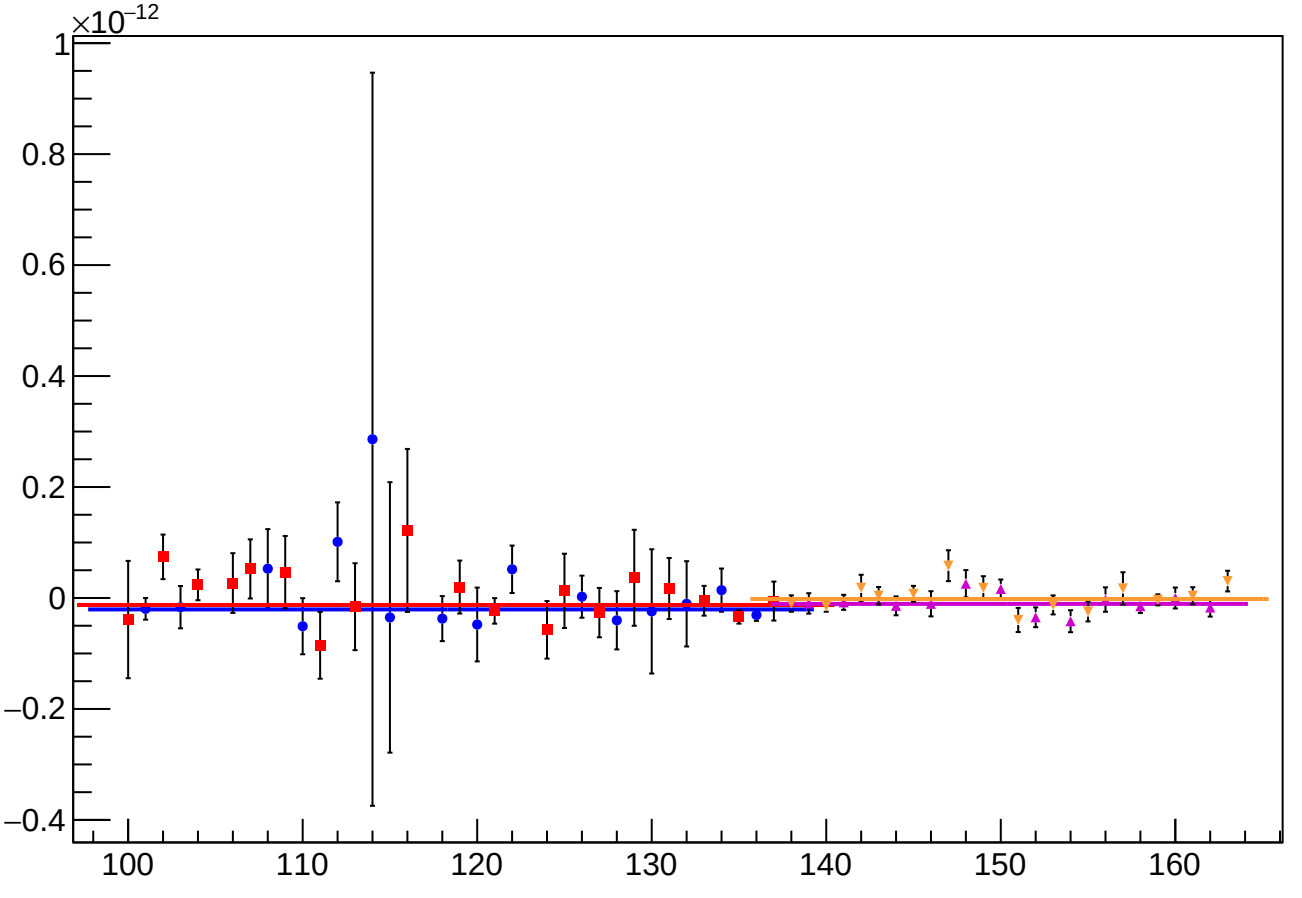
Left In: 633.381+/-0.141 χ^2/NDF:350137.7/11

+ sign 657.625+/-0.110 χ^2/NDF: 1065303.9/29

All: 651.937+/-0.078 χ^2/NDF: 2219302.5/60

- sign 646.225+/-0.110 χ^2/NDF: 1148660.3/30

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/13

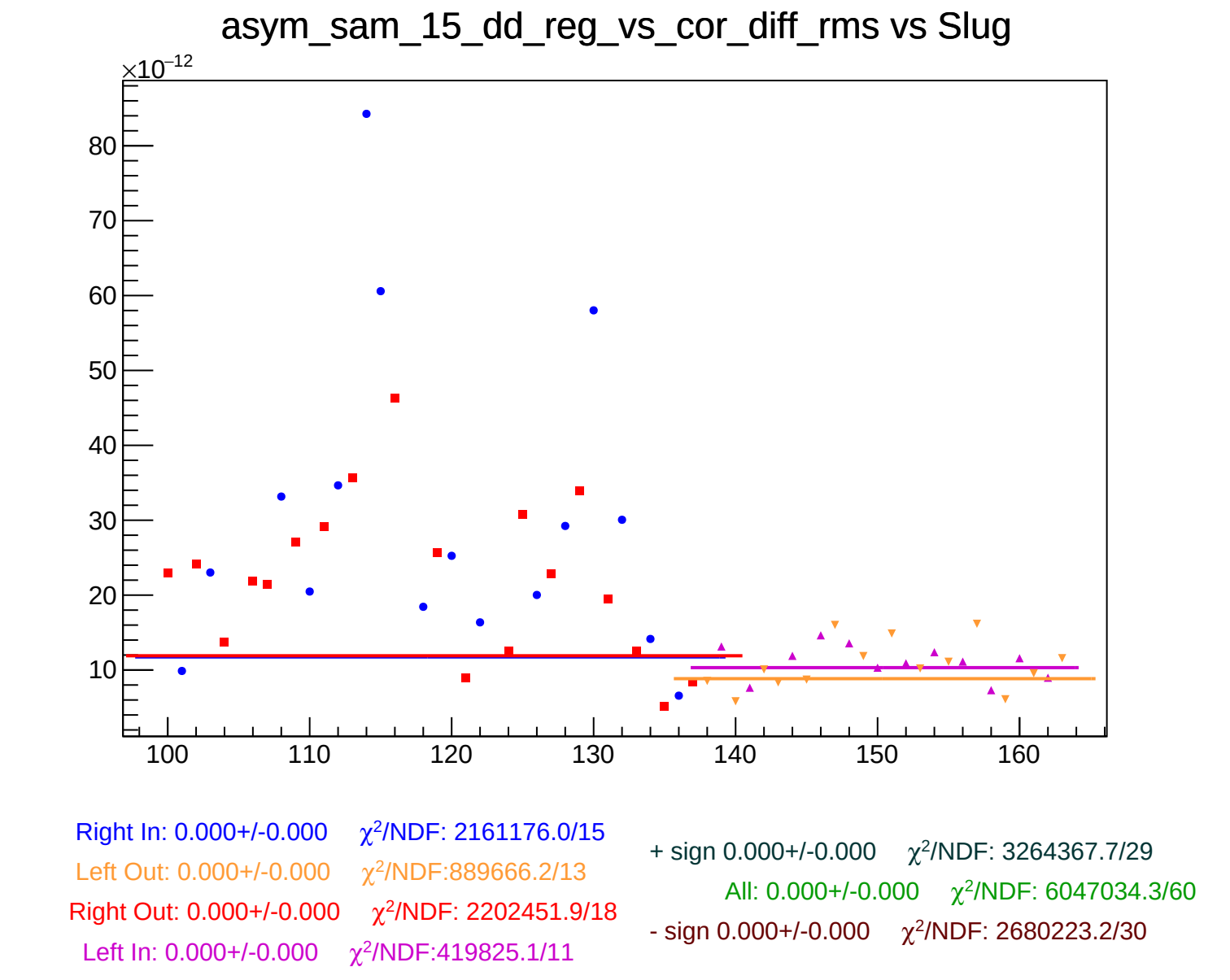
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 31.8/29

All: -0.000+/-0.000 χ^2/NDF: 59.6/60

- sign -0.000+/-0.000 χ^2/NDF: 26.9/30


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug
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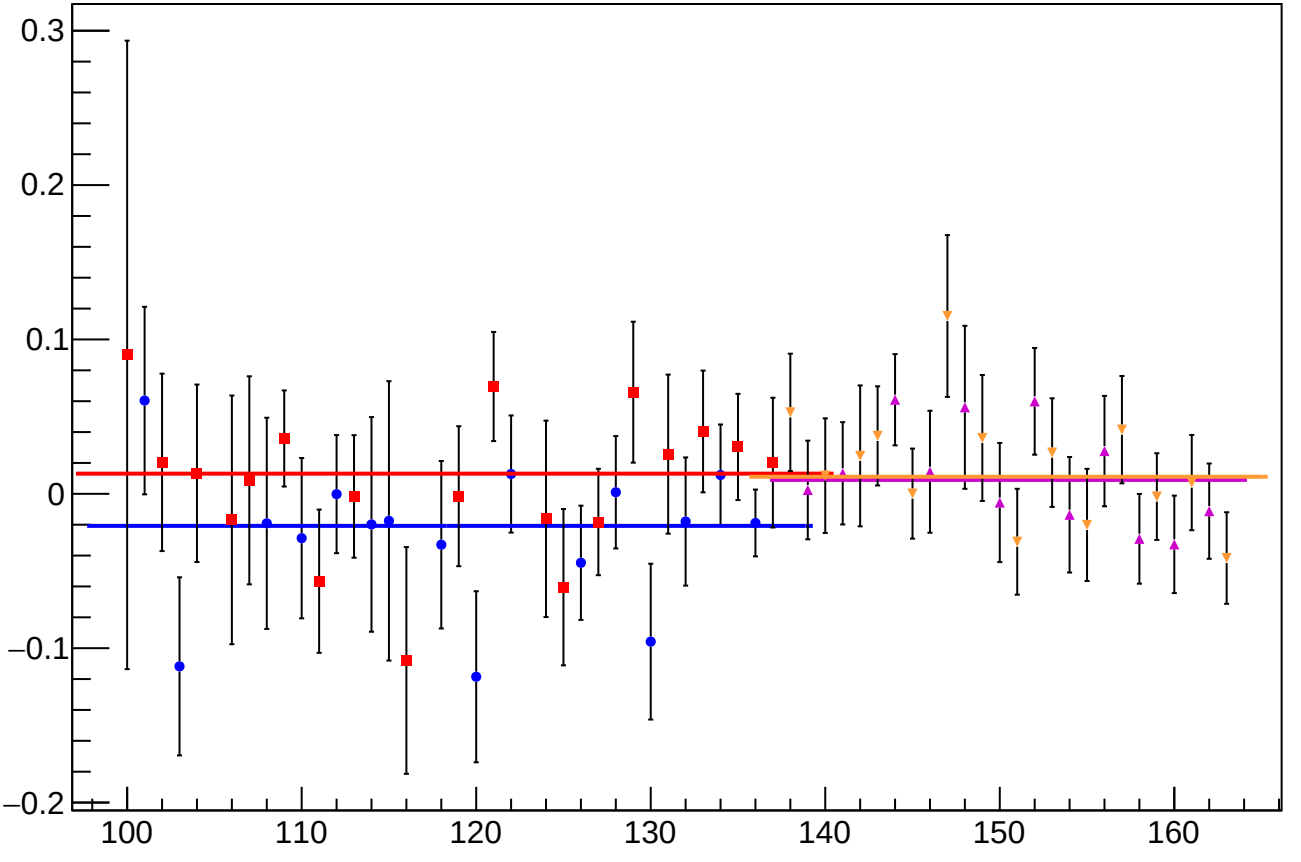
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889666.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:419825.1/11
+ sign 0.000+/-0.000 χ²/NDF: 3264367.7/29
All: 0.000+/-0.000 χ²/NDF: 6047034.3/60
- sign 0.000+/-0.000 χ²/NDF: 2680223.2/30

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: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

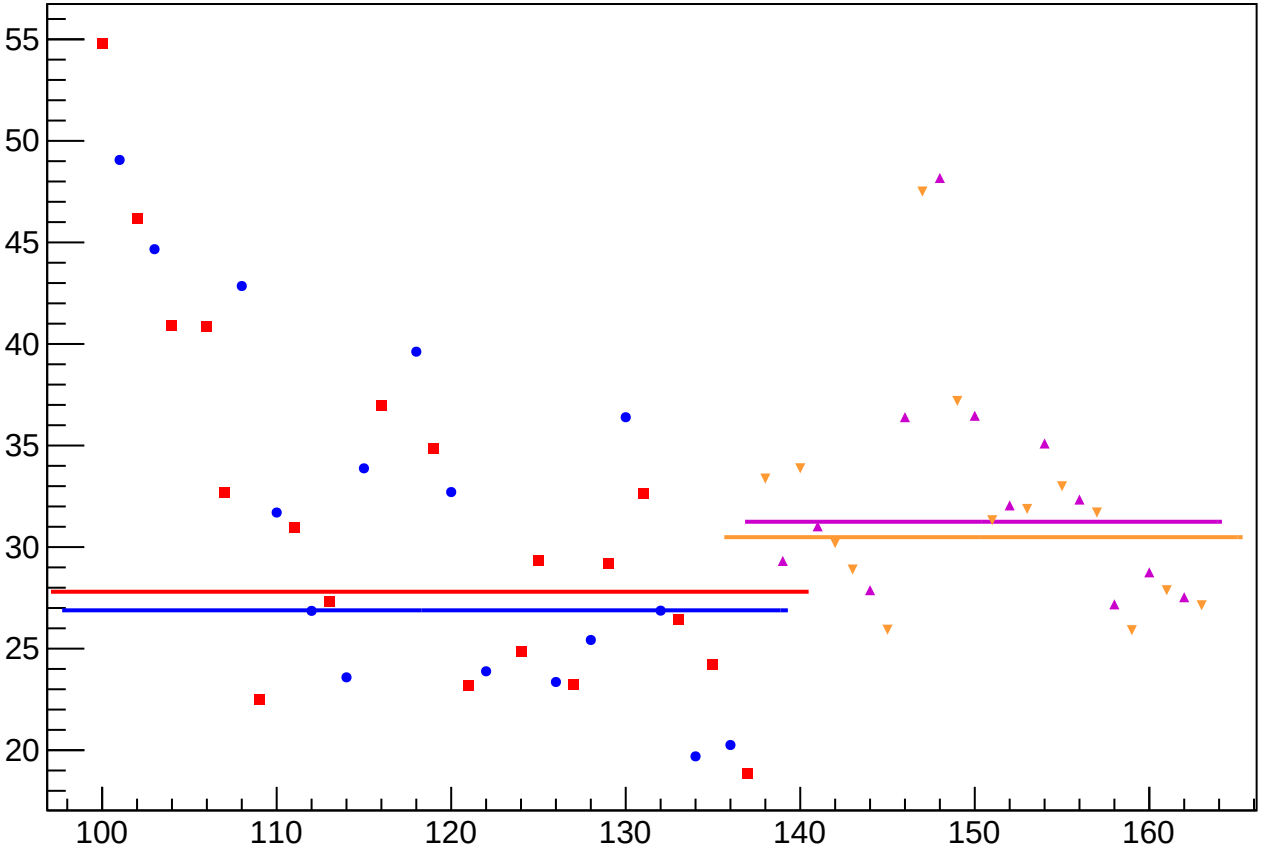
Left In: 0.009+/-0.010 χ^2/NDF:10.8/11

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.4/60

- sign 0.011+/-0.007 χ^2/NDF: 24.8/30

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: 30.489+/-0.007 χ^2/NDF:456296.4/13

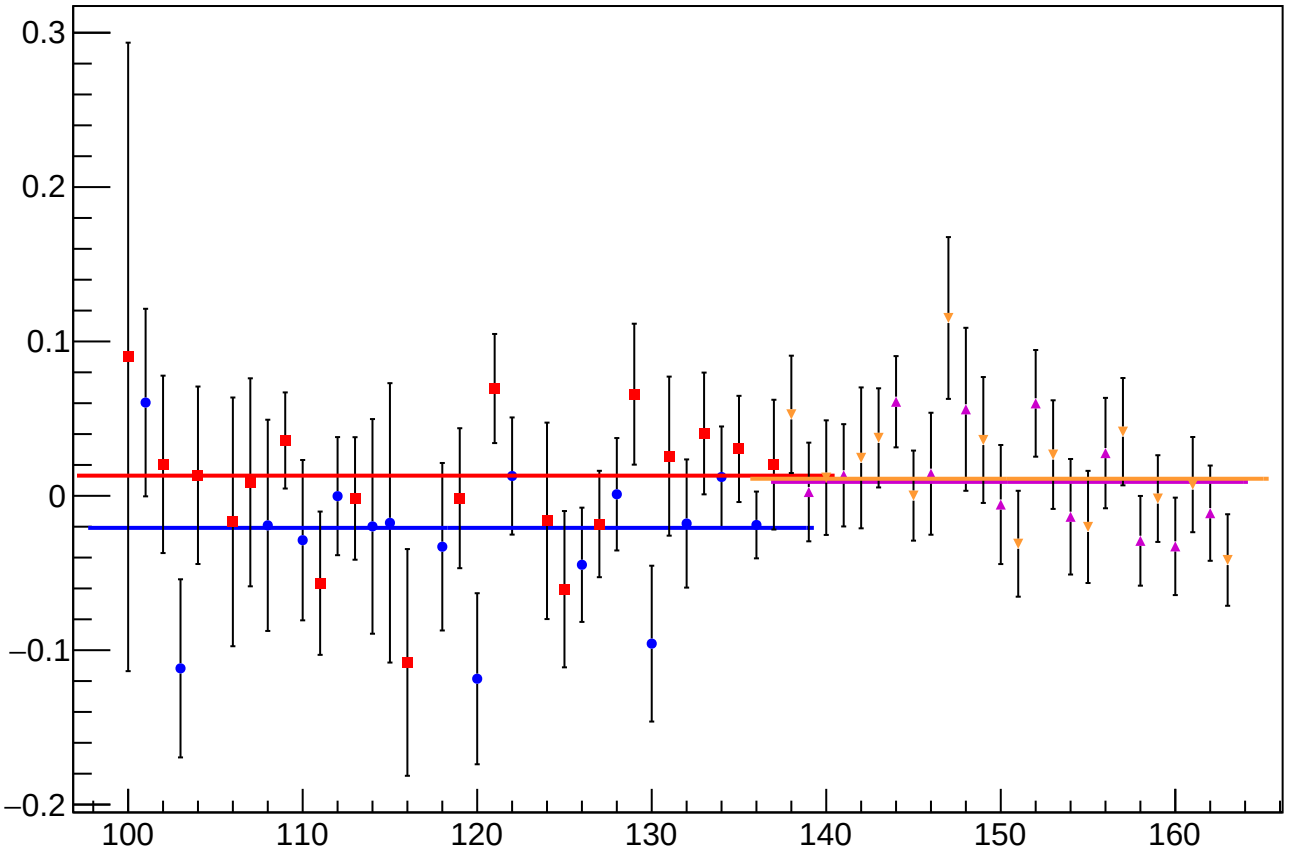
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.247+/-0.007 χ^2/NDF:414296.6/11

+ sign 28.917+/-0.005 χ^2/NDF: 1709383.9/29

All: 29.265+/-0.004 χ^2/NDF: 3011100.0/60

- sign 29.639+/-0.005 χ^2/NDF: 1291311.2/30



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

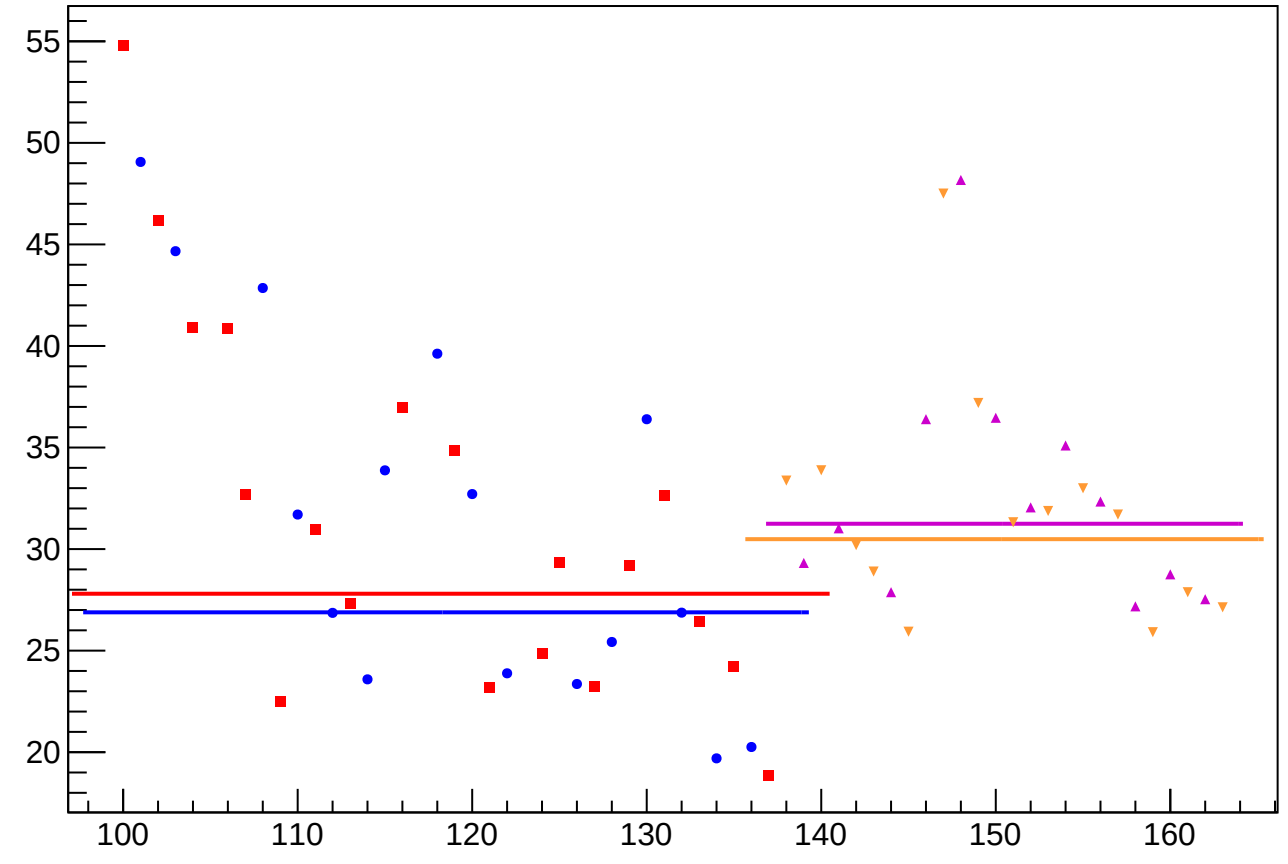
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.010 χ^2/NDF:10.8/11

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.4/60

- sign 0.011+/-0.007 χ^2/NDF: 24.8/30



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.489+/-0.007 χ^2/NDF:456296.4/13

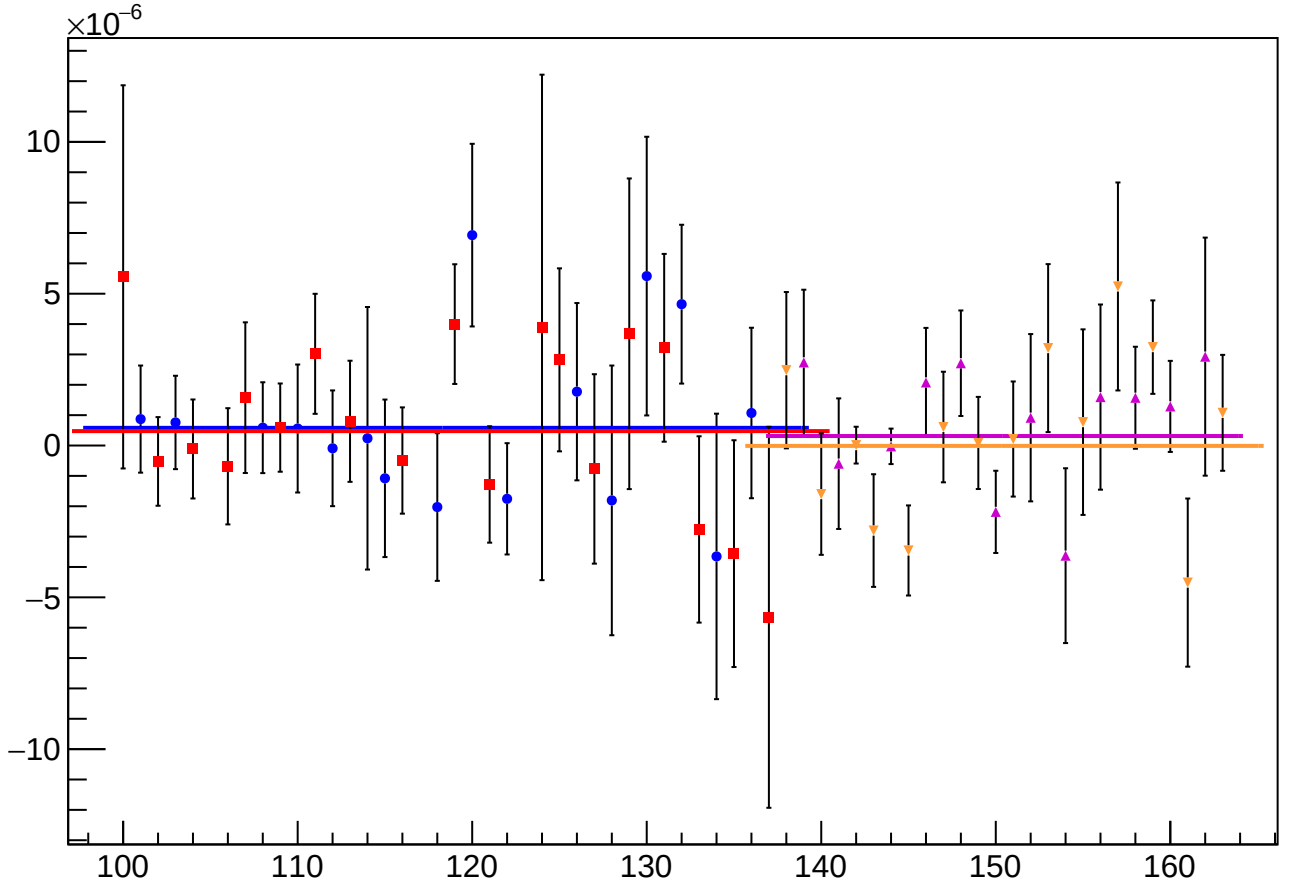
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.247+/-0.007 χ^2/NDF:414296.6/11

+ sign 28.917+/-0.005 χ^2/NDF: 1709383.9/29

All: 29.265+/-0.004 χ^2/NDF: 3011100.0/60

- sign 29.639+/-0.005 χ^2/NDF: 1291311.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/13

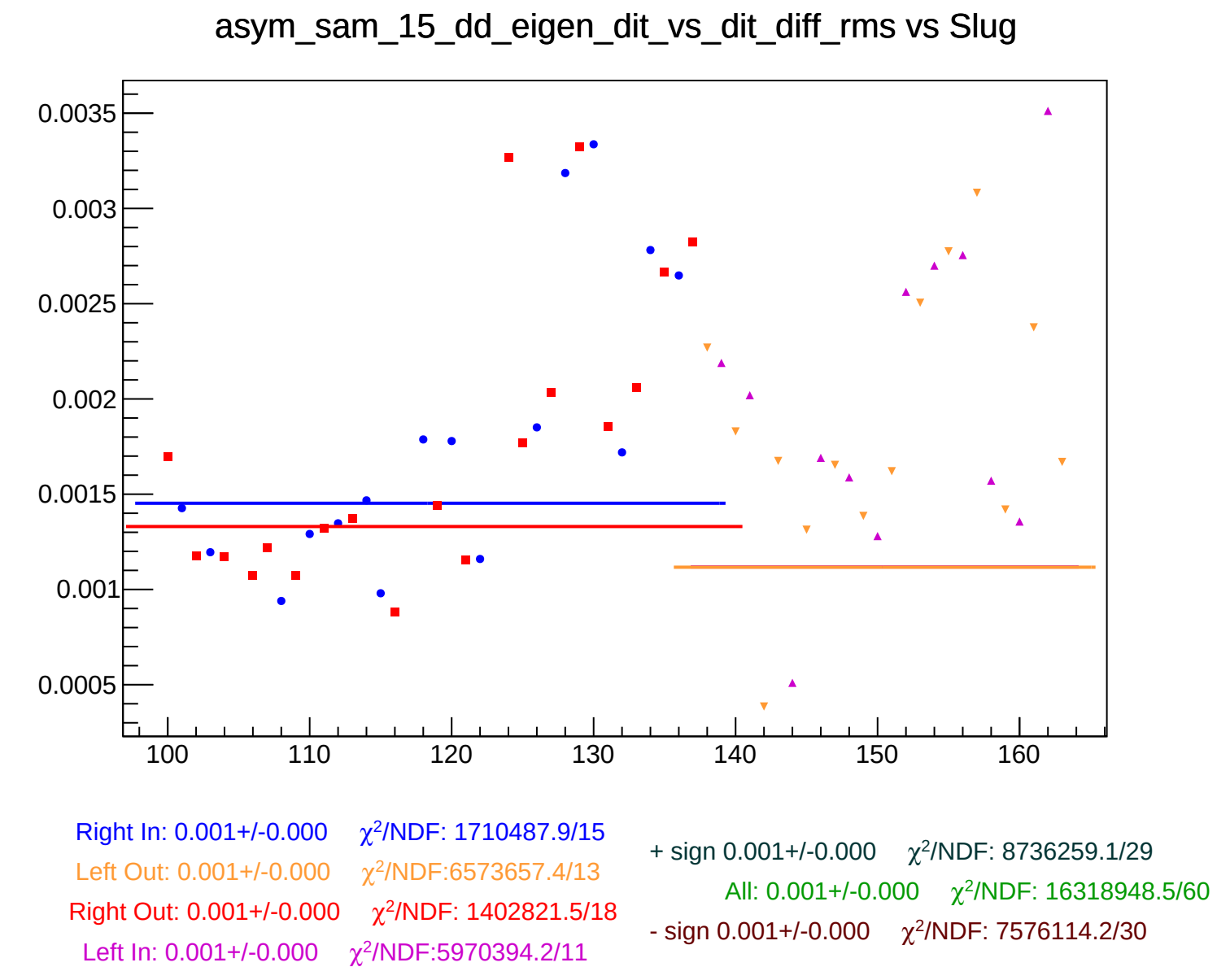
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/29

All: 0.000+/-0.000 χ^2/NDF: 58.8/60

- sign 0.000+/-0.000 χ^2/NDF: 24.6/30


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug
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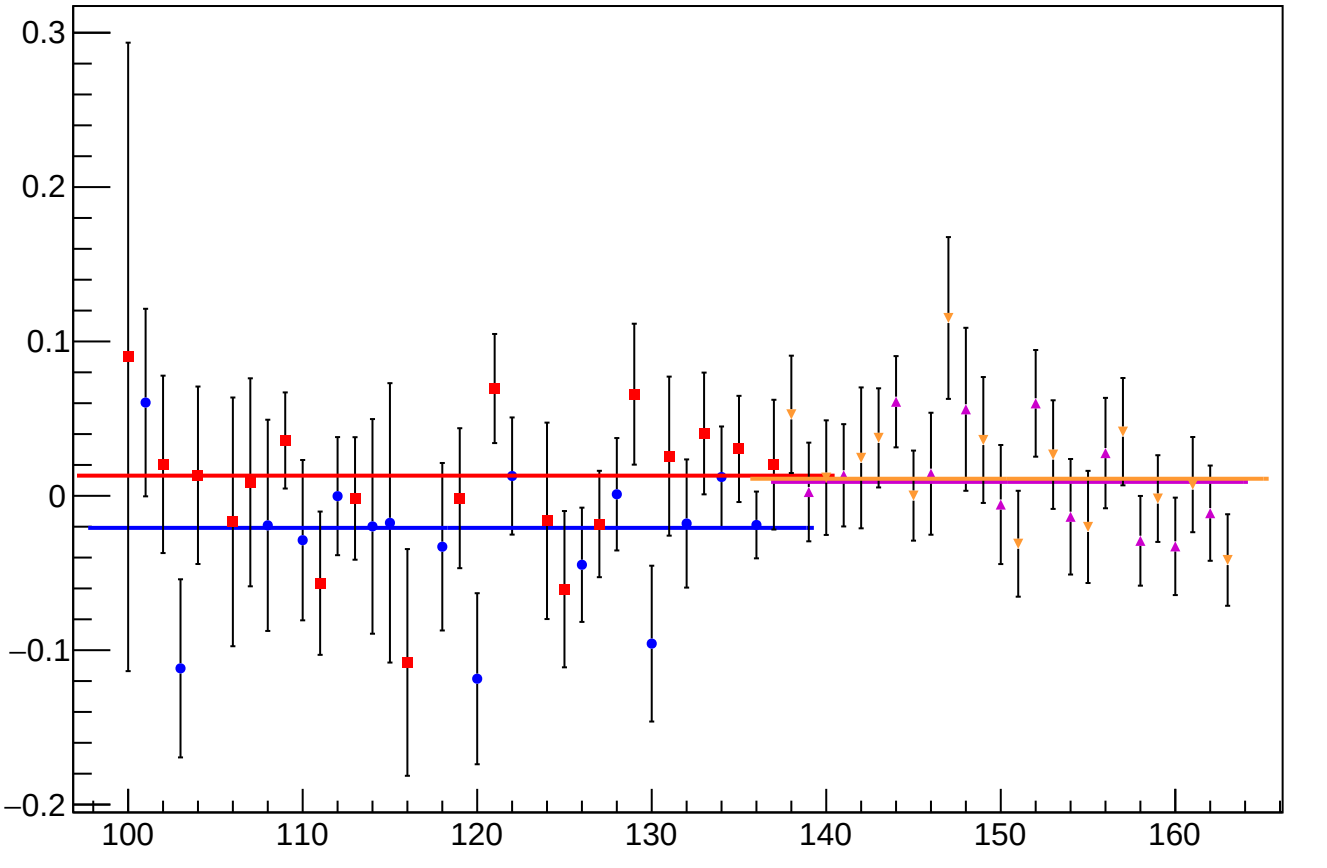
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6573657.4/13
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5970394.2/11
+ sign 0.001+/-0.000 χ²/NDF: 8736259.1/29
All: 0.001+/-0.000 χ²/NDF: 16318948.5/60
- sign 0.001+/-0.000 χ²/NDF: 7576114.2/30



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

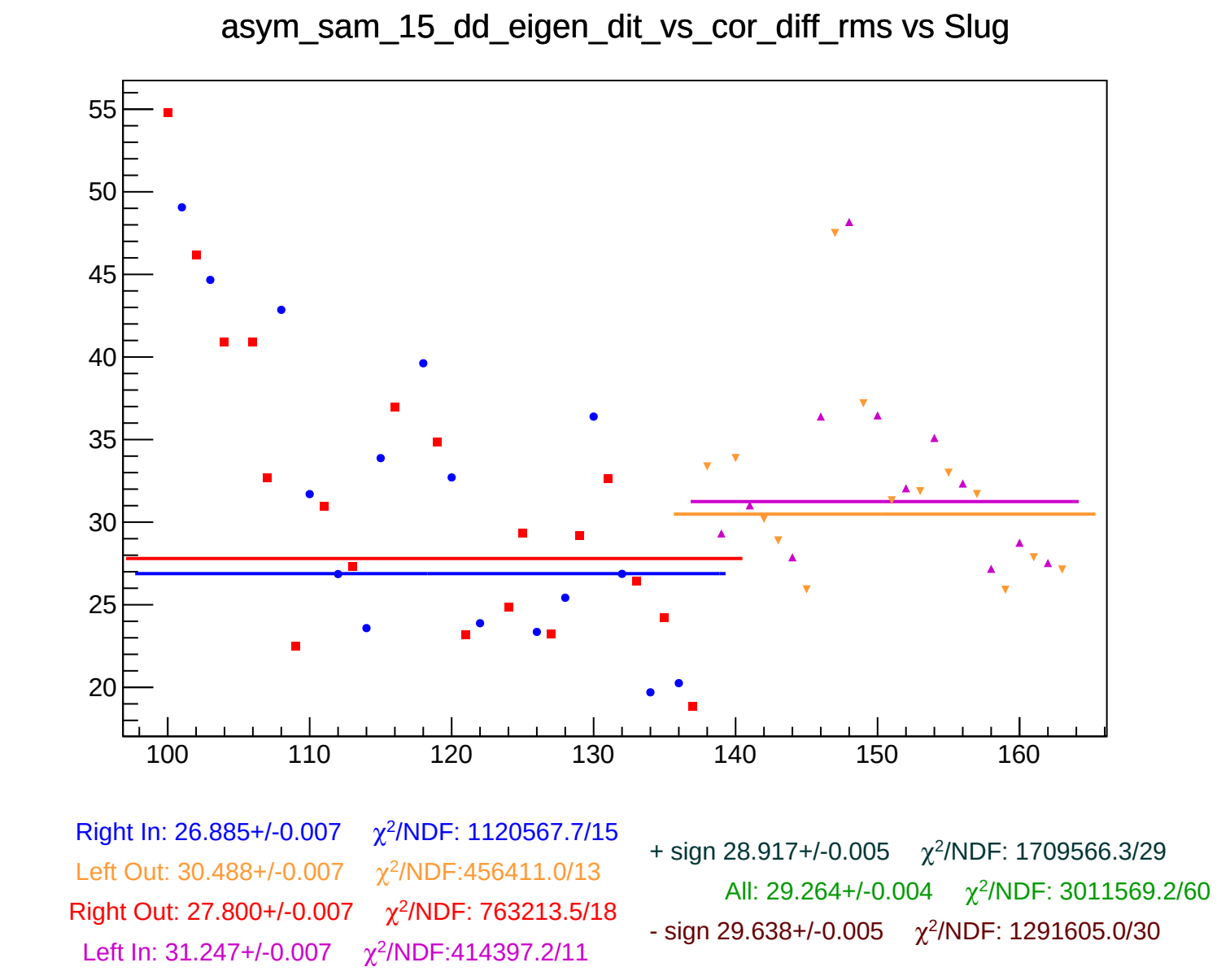
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.010 χ^2/NDF:10.8/11

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.4/60

- sign 0.011+/-0.007 χ^2/NDF: 24.8/30


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
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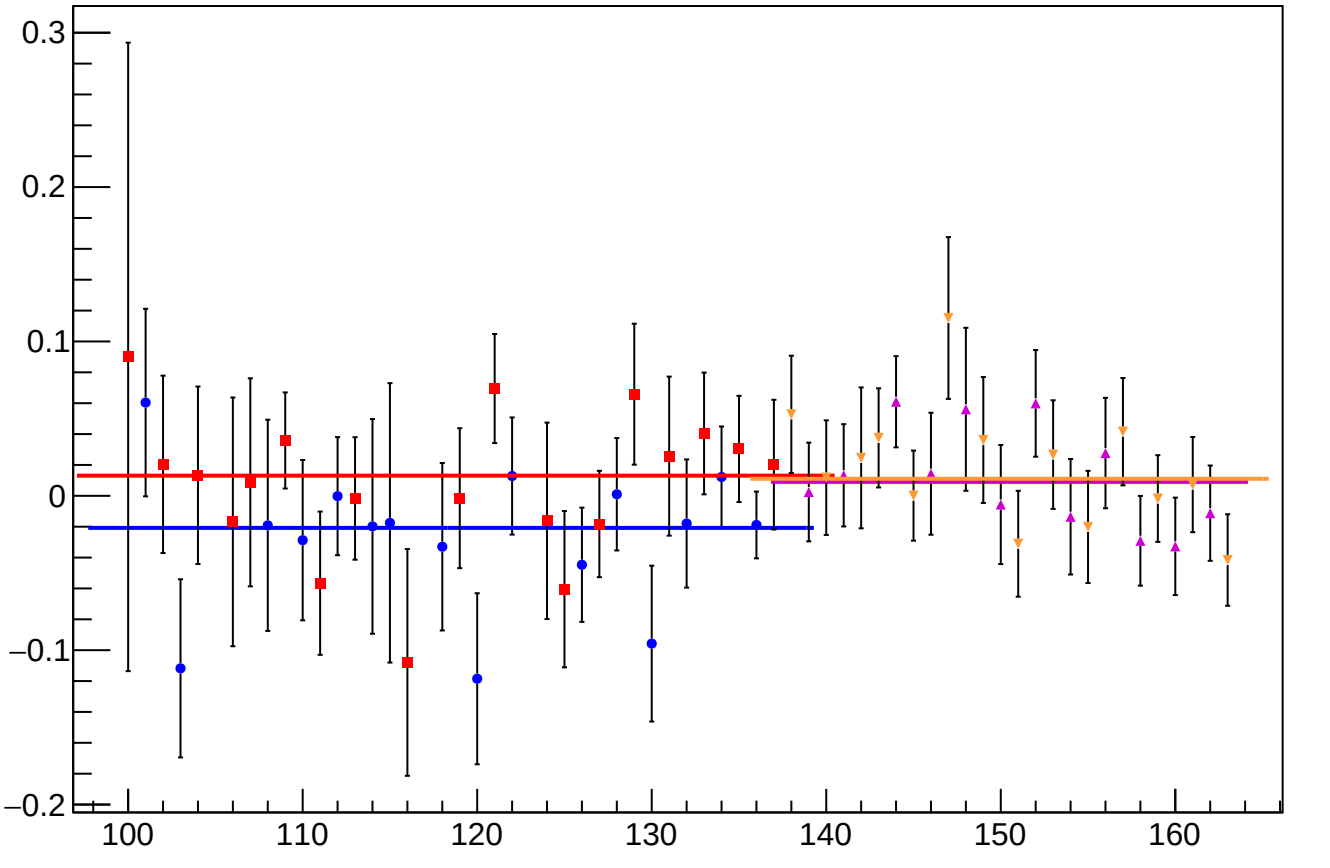
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 30.488+/-0.007 χ²/NDF:456411.0/13
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 31.247+/-0.007 χ²/NDF:414397.2/11
+ sign 28.917+/-0.005 χ²/NDF: 1709566.3/29
All: 29.264+/-0.004 χ²/NDF: 3011569.2/60
- sign 29.638+/-0.005 χ²/NDF: 1291605.0/30



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

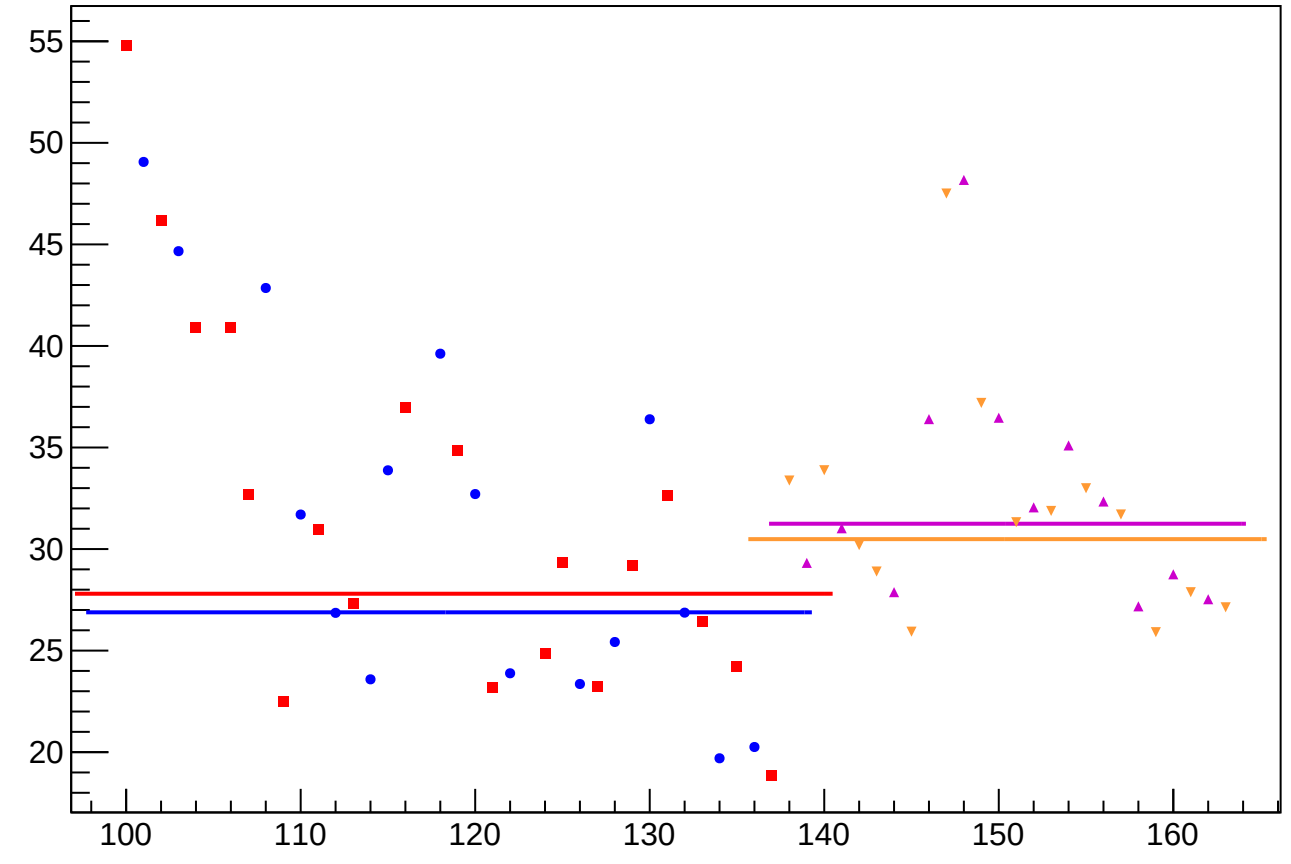
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.010 χ^2/NDF:10.8/11

+ sign -0.003+/-0.007 χ^2/NDF: 30.7/29

All: 0.004+/-0.005 χ^2/NDF: 57.4/60

- sign 0.011+/-0.007 χ^2/NDF: 24.8/30



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.488+/-0.007 χ^2/NDF:456411.0/13

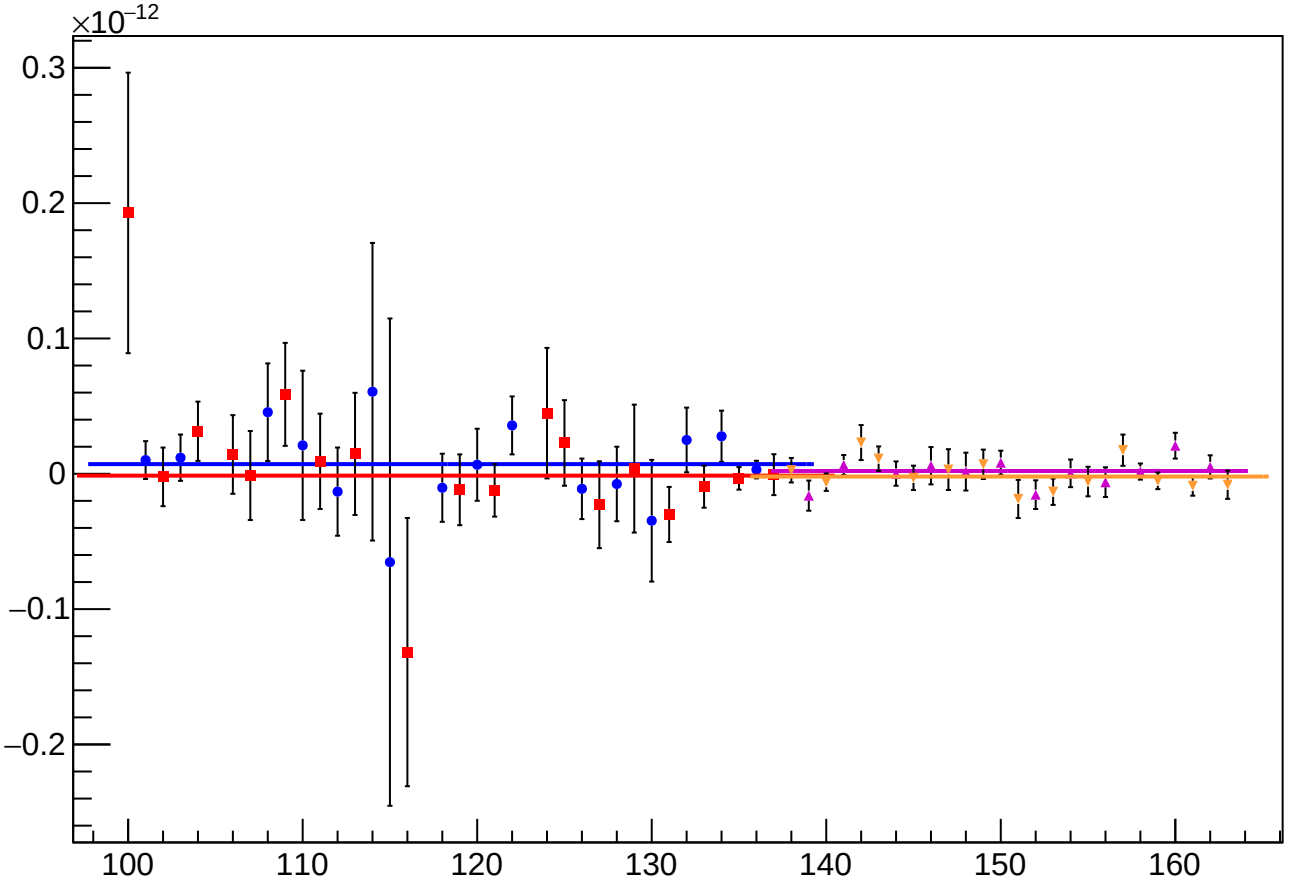
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.247+/-0.007 χ^2/NDF:414397.2/11

+ sign 28.917+/-0.005 χ^2/NDF: 1709566.3/29

All: 29.264+/-0.004 χ^2/NDF: 3011569.2/60

- sign 29.638+/-0.005 χ^2/NDF: 1291605.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/13

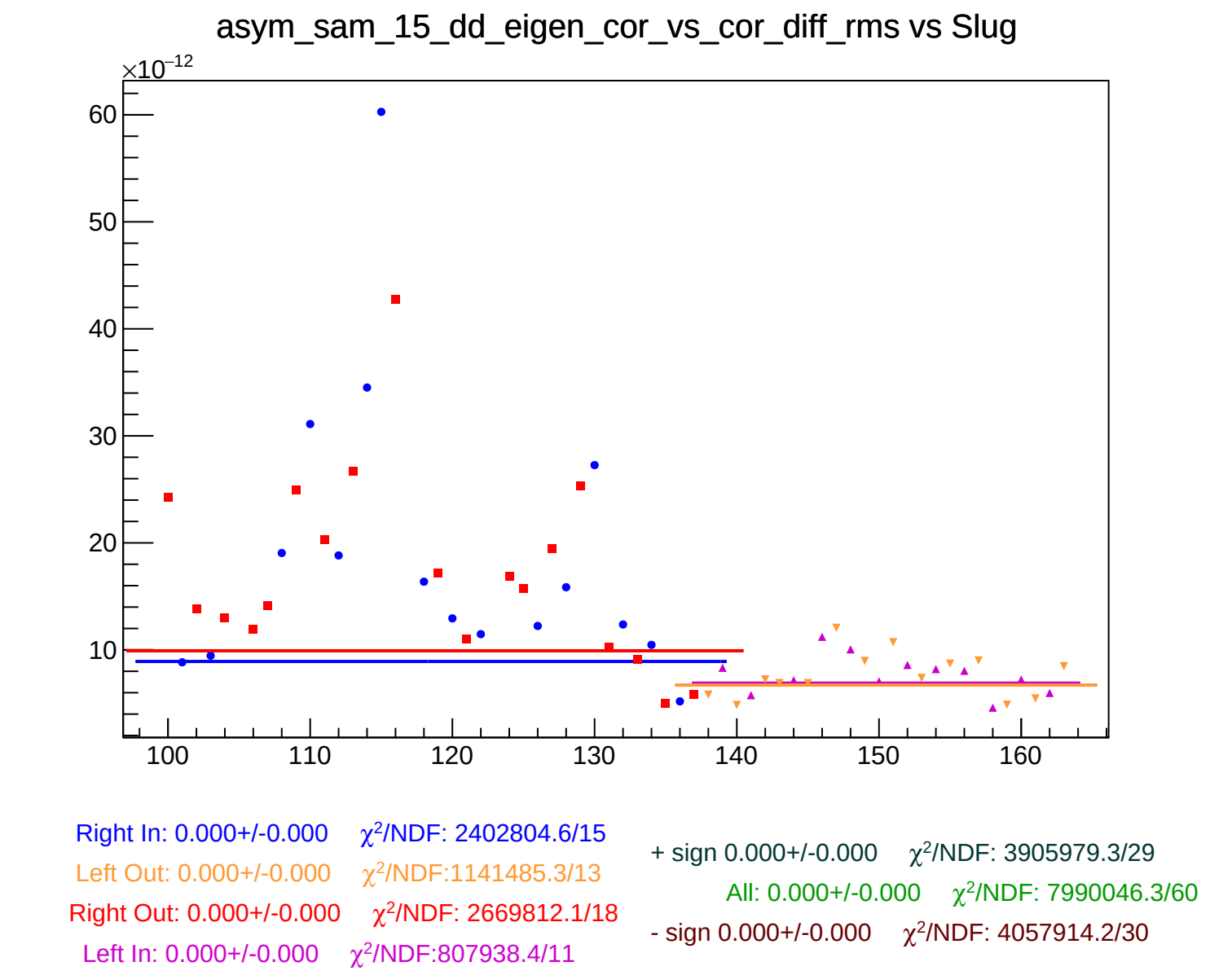
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/29

All: 0.000+/-0.000 χ^2/NDF: 52.7/60

- sign 0.000+/-0.000 χ^2/NDF: 26.6/30


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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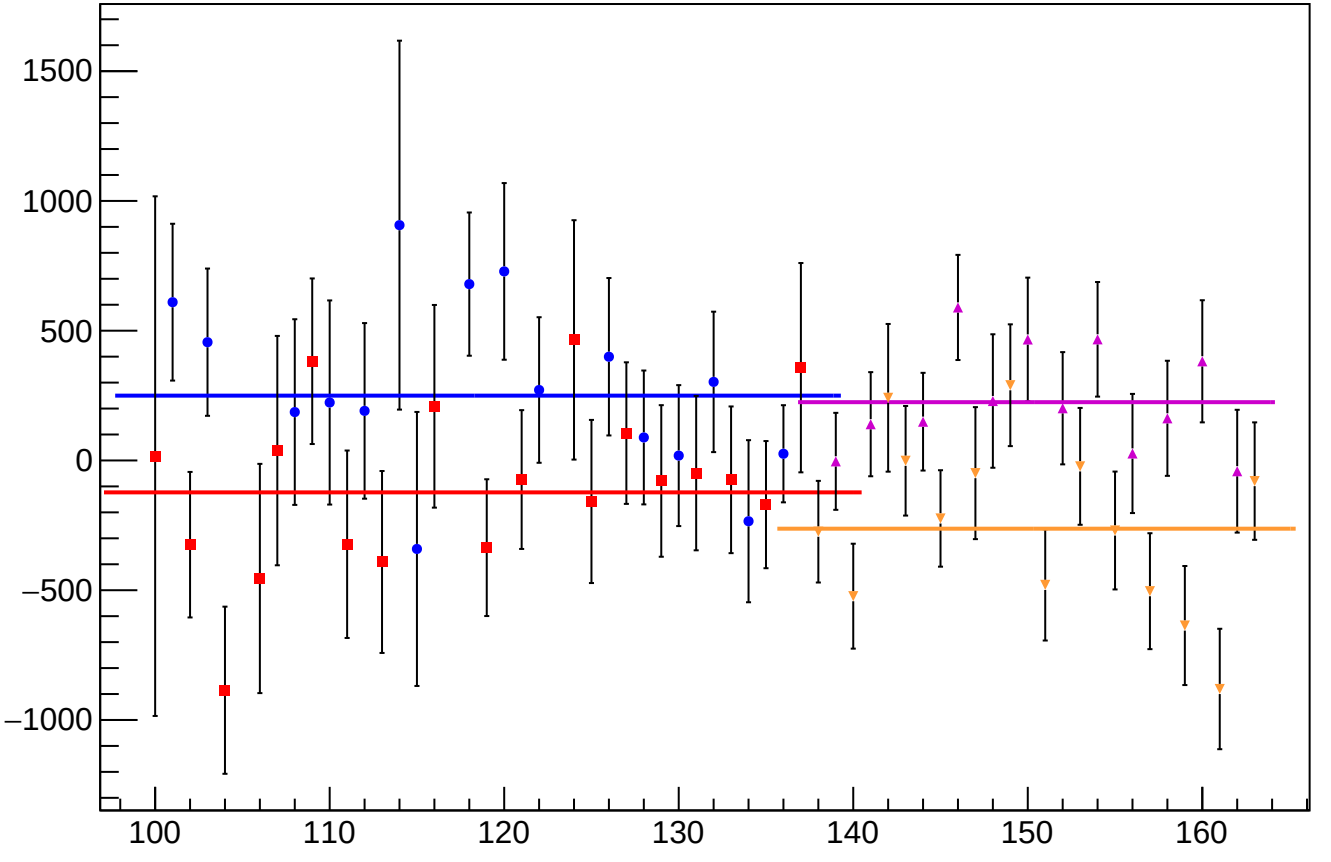
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1141485.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:807938.4/11
+ sign 0.000+/-0.000 χ²/NDF: 3905979.3/29
All: 0.000+/-0.000 χ²/NDF: 7990046.3/60
- sign 0.000+/-0.000 χ²/NDF: 4057914.2/30

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.906+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

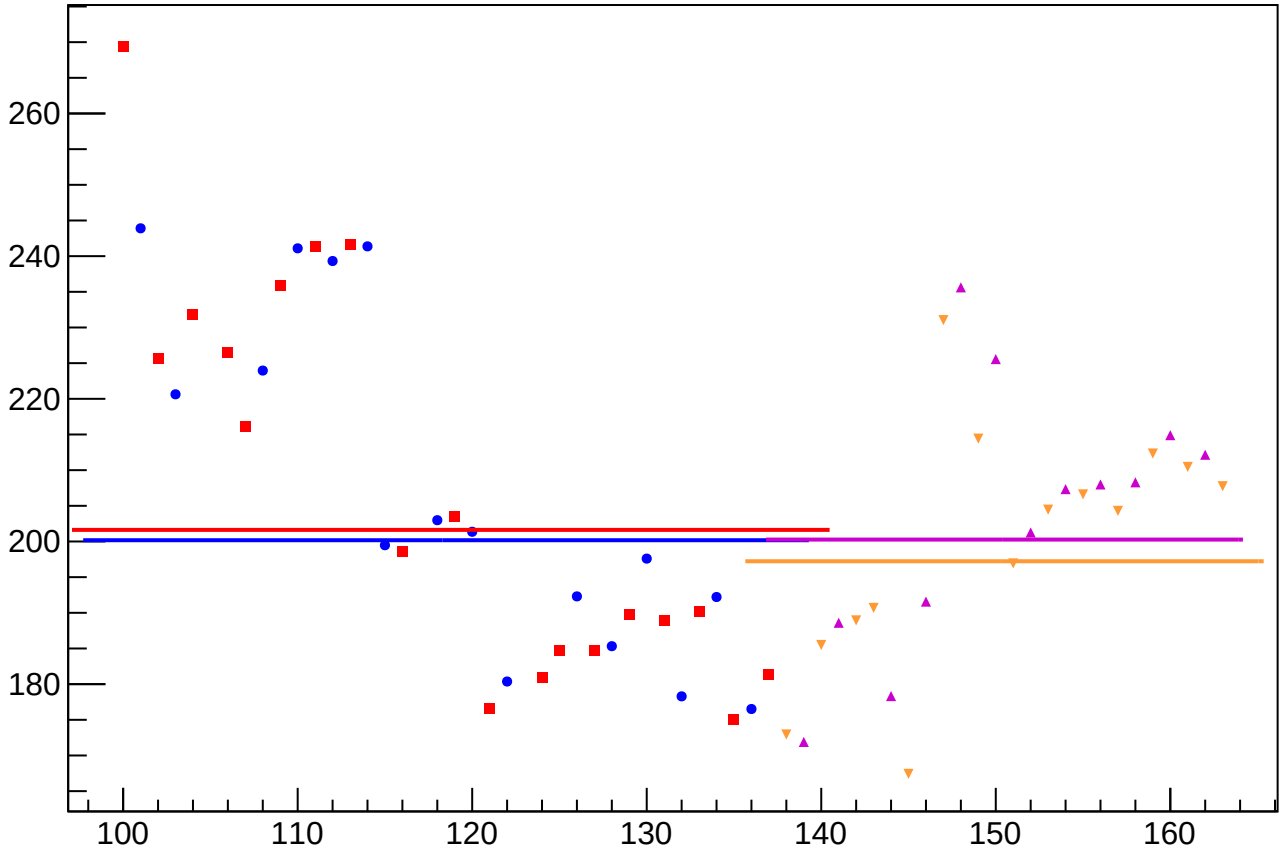
Left In: 224.582+/-62.509 χ^2/NDF:9.8/11

+ sign -65.965+/-46.409 χ^2/NDF: 69.0/29

All: 5.118+/-33.314 χ^2/NDF: 112.0/60

- sign 80.688+/-47.851 χ^2/NDF: 38.2/30

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

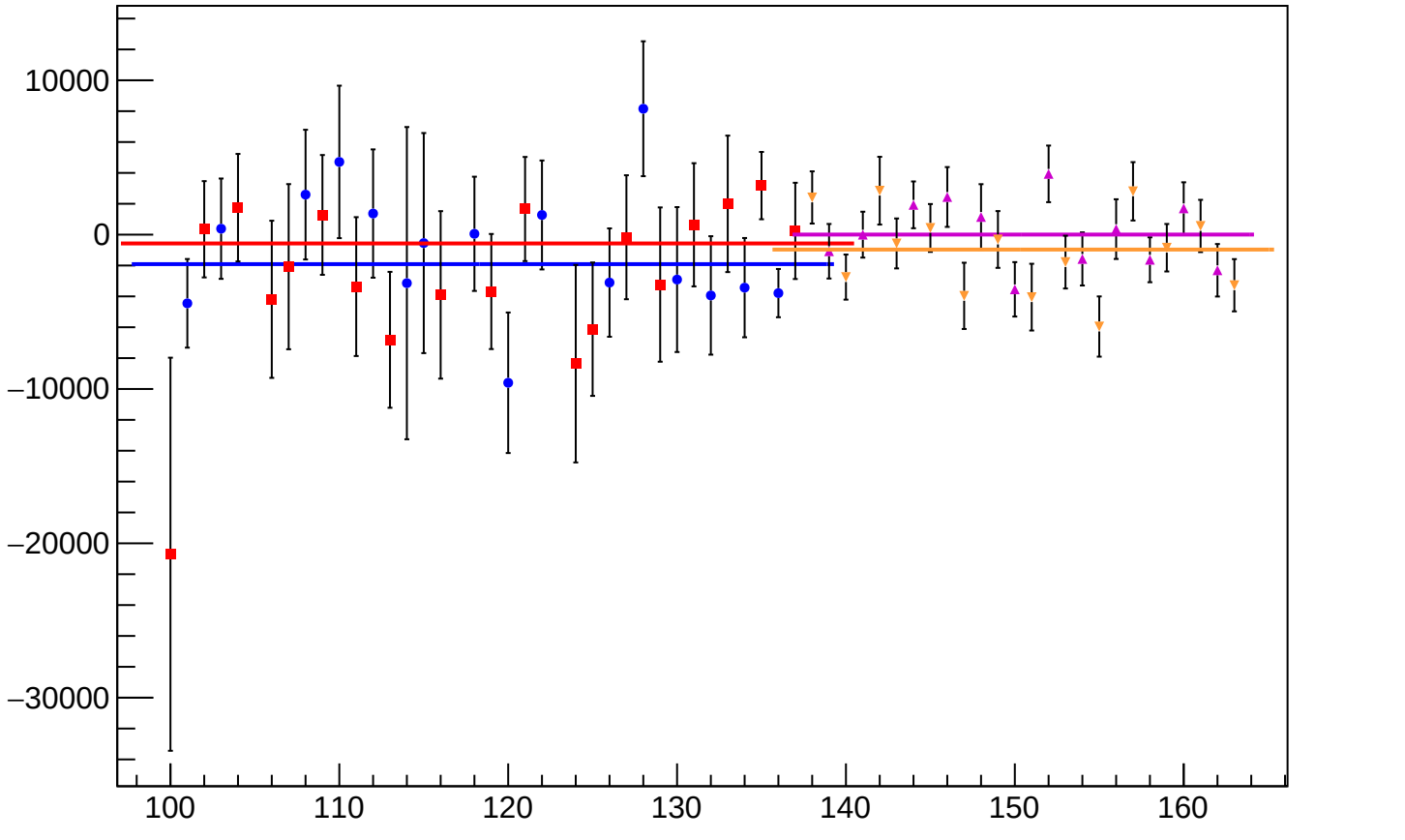
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

+ sign 198.361+/-0.033 χ^2/NDF: 348502.8/29

All: 199.558+/-0.024 χ^2/NDF: 712704.3/60

- sign 200.831+/-0.034 χ^2/NDF: 361456.1/30



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -967.196+/-468.508 χ^2/NDF:26.9/13

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

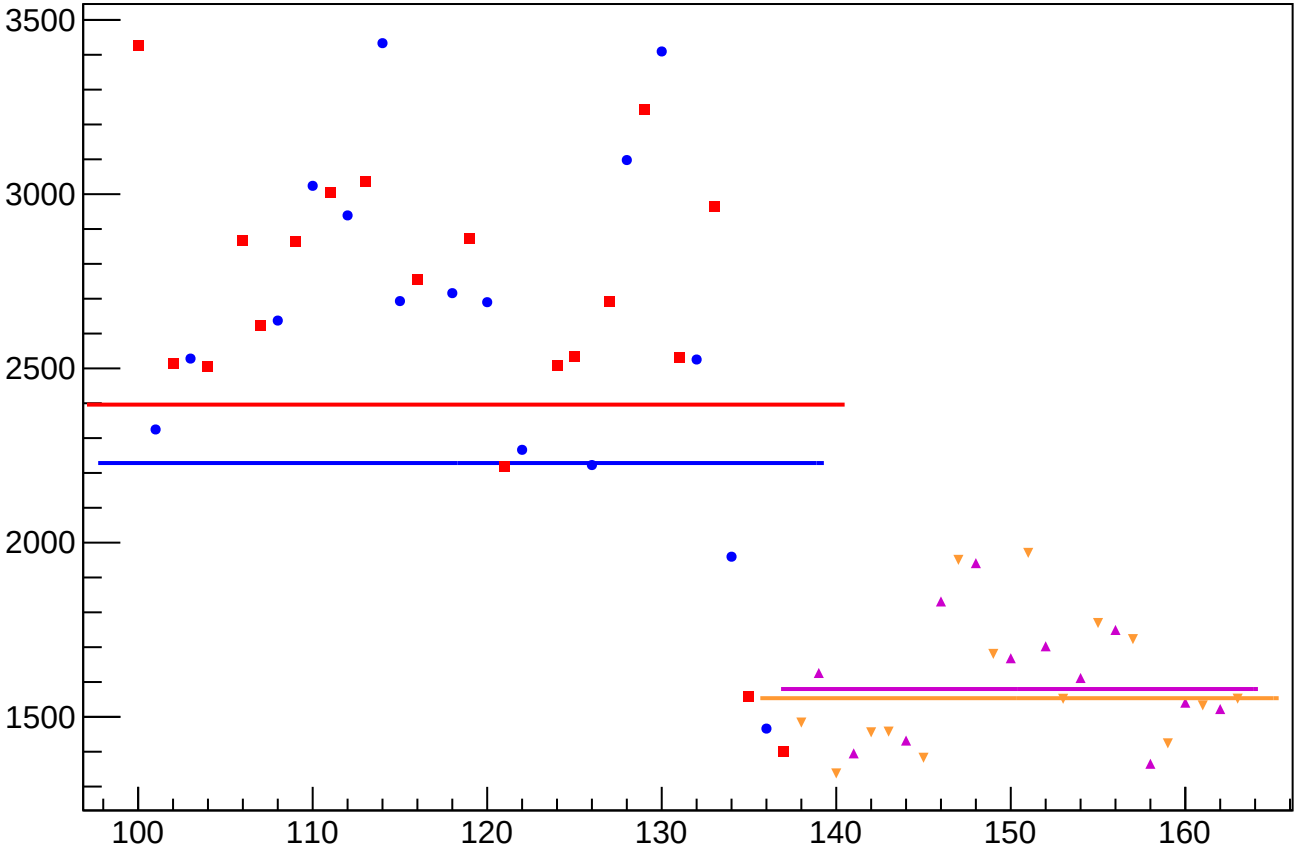
Left In: 5.345+/-494.494 χ^2/NDF:17.5/11

\+ sign -1183.400+/-411.318 χ^2/NDF: 44.1/29

All: -683.402+/-298.359 χ^2/NDF: 79.7/60

\- sign -128.183+/-433.437 χ^2/NDF: 32.4/30

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289801.7/13

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

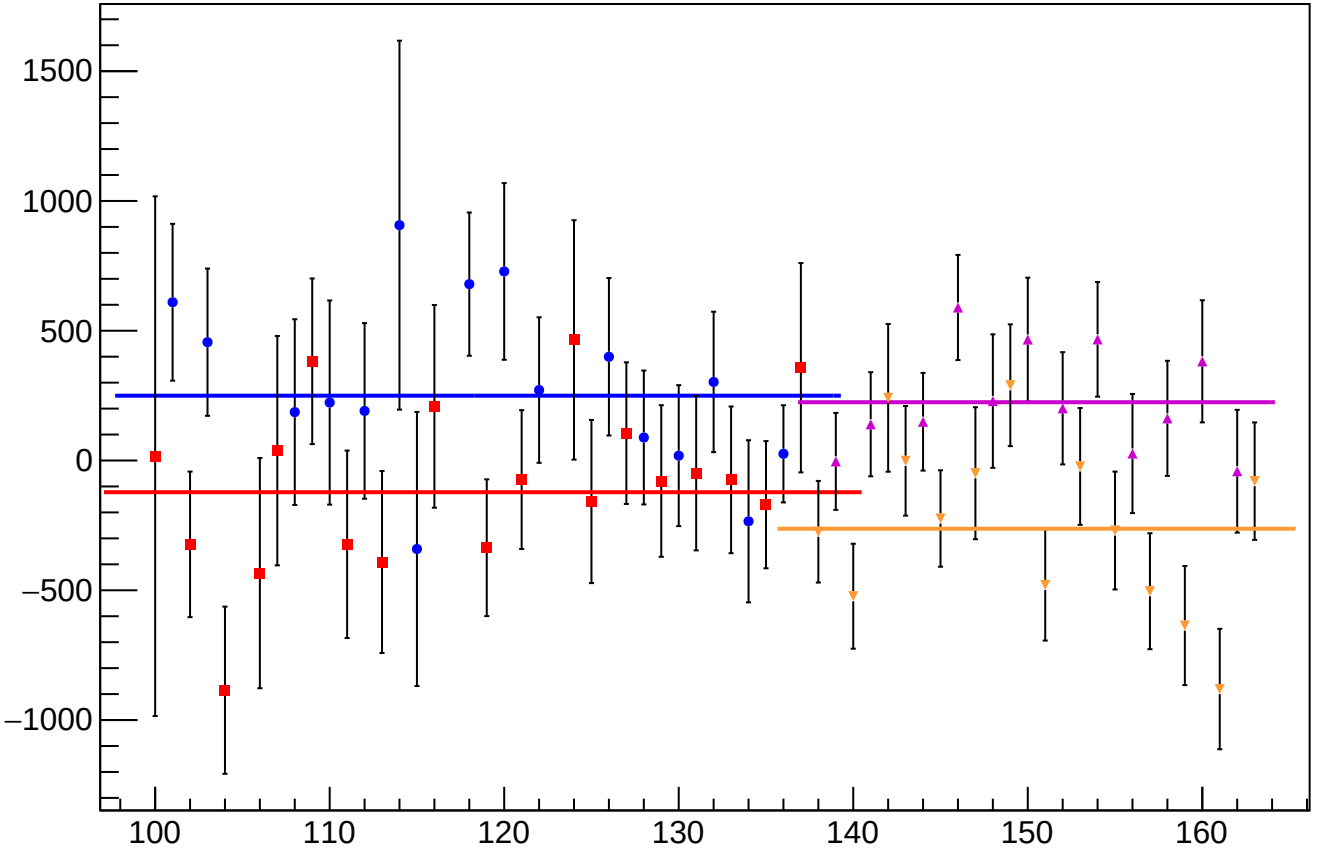
Left In: 1579.926+/-0.350 χ^2/NDF:219653.4/11

+ sign 1708.311+/-0.291 χ^2/NDF: 2188589.9/29

All: 1737.082+/-0.211 χ^2/NDF: 4490695.8/60

- sign 1769.031+/-0.306 χ^2/NDF: 2281453.4/30

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

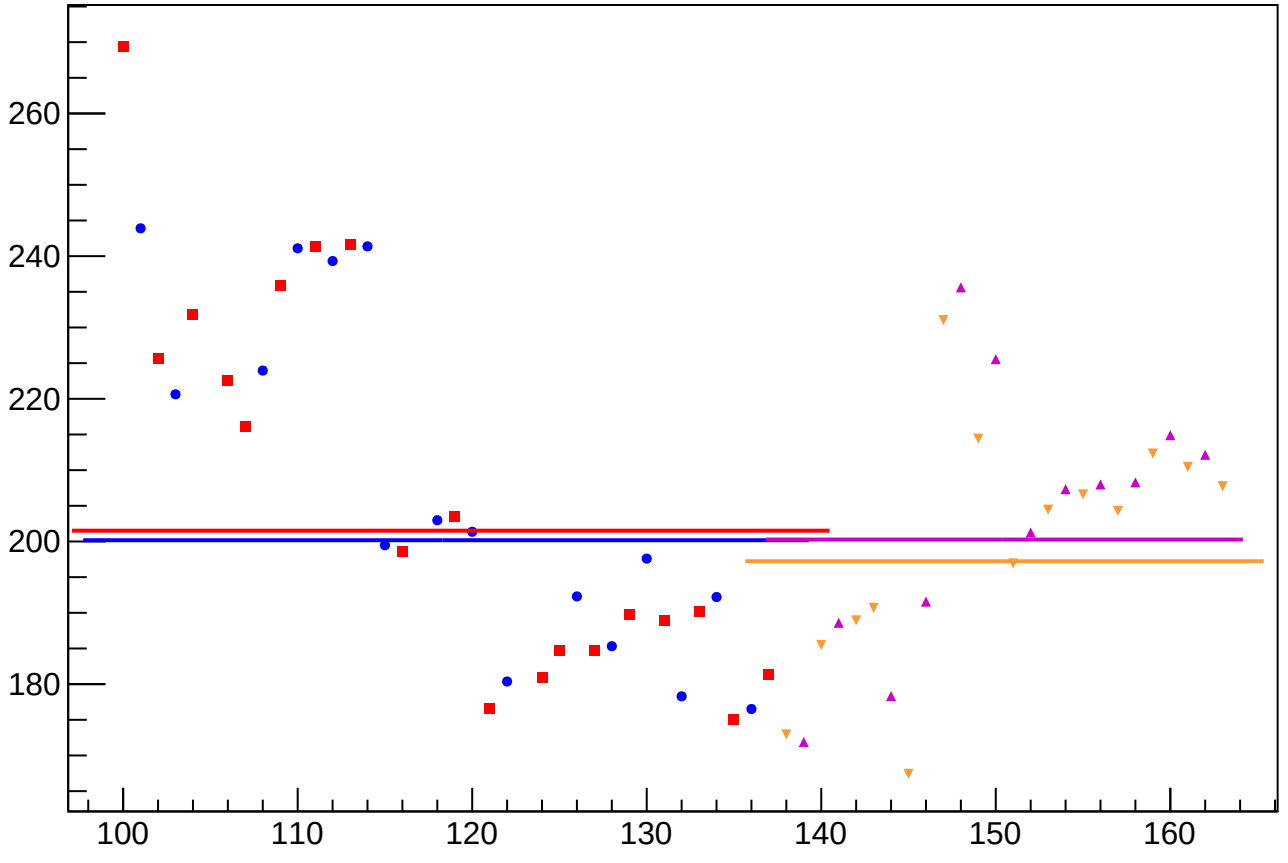
Left In: 224.587+/-62.509 χ^2/NDF:9.9/11

+ sign -65.959+/-46.409 χ^2/NDF: 69.0/29

All: 5.287+/-33.315 χ^2/NDF: 111.9/60

- sign 81.039+/-47.854 χ^2/NDF: 38.1/30

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

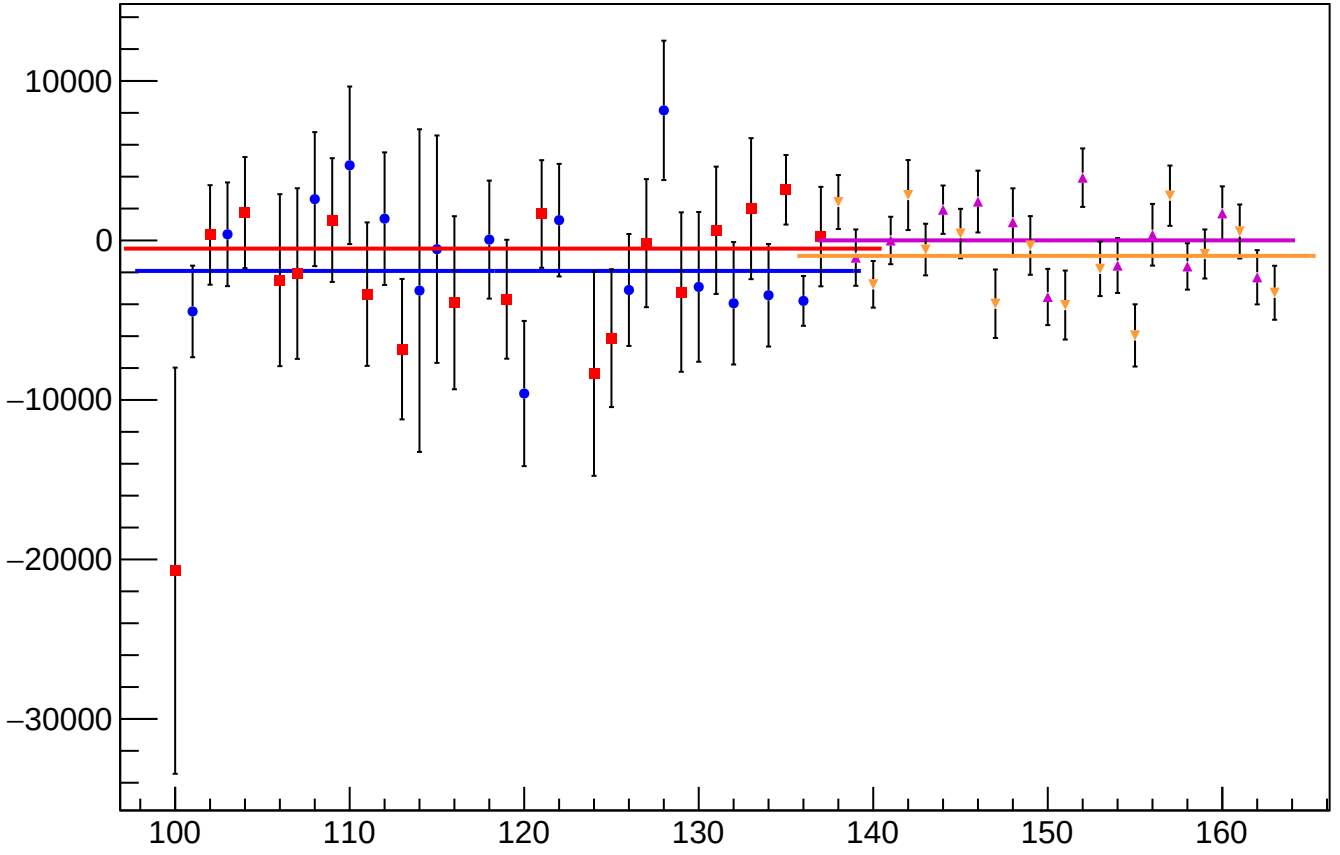
Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

+ sign 198.361+/-0.033 χ^2/NDF: 348503.1/29

All: 199.536+/-0.024 χ^2/NDF: 710724.7/60

- sign 200.784+/-0.034 χ^2/NDF: 359579.3/30

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -967.192+/-468.508 χ^2/NDF:26.9/13

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

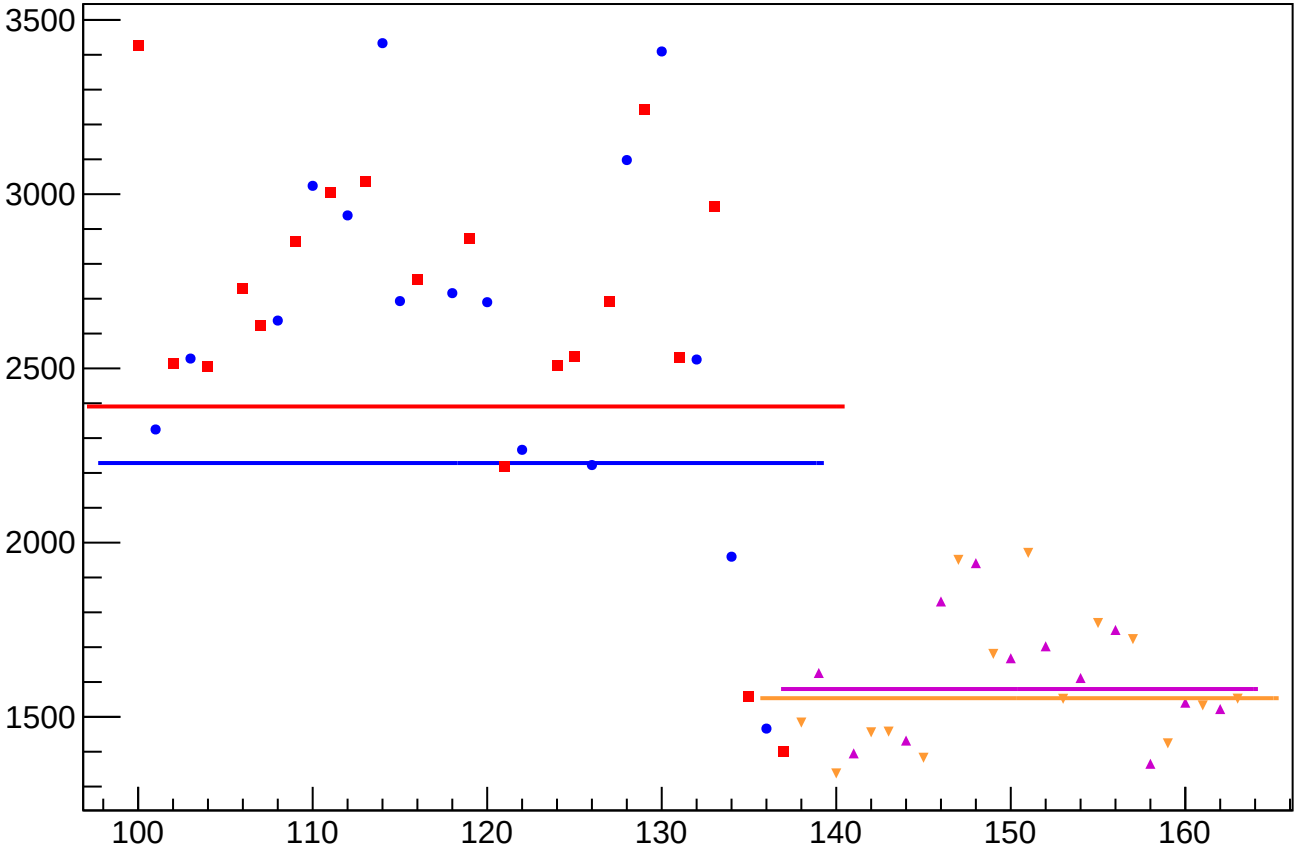
Left In: 5.341+/-494.495 χ^2/NDF:17.5/11

+ sign -1183.387+/-411.319 χ^2/NDF: 44.1/29

All: -676.908+/-298.416 χ^2/NDF: 79.3/60

- sign -114.042+/-433.611 χ^2/NDF: 32.0/30

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

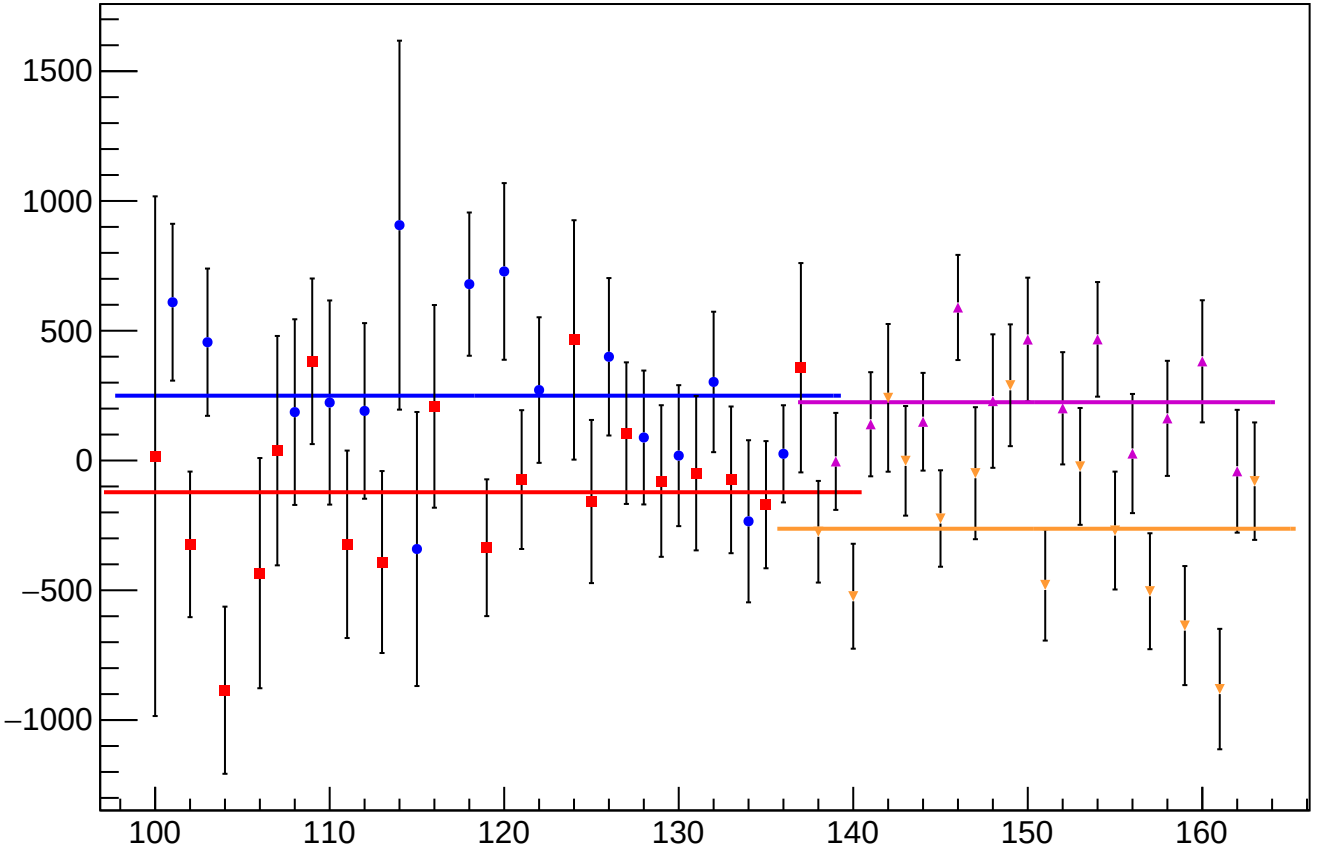
Left In: 1579.927+/-0.350 χ^2/NDF:219653.4/11

+ sign 1708.311+/-0.291 χ^2/NDF: 2188601.5/29

All: 1736.247+/-0.211 χ^2/NDF: 4460283.8/60

- sign 1767.292+/-0.307 χ^2/NDF: 2252204.4/30

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

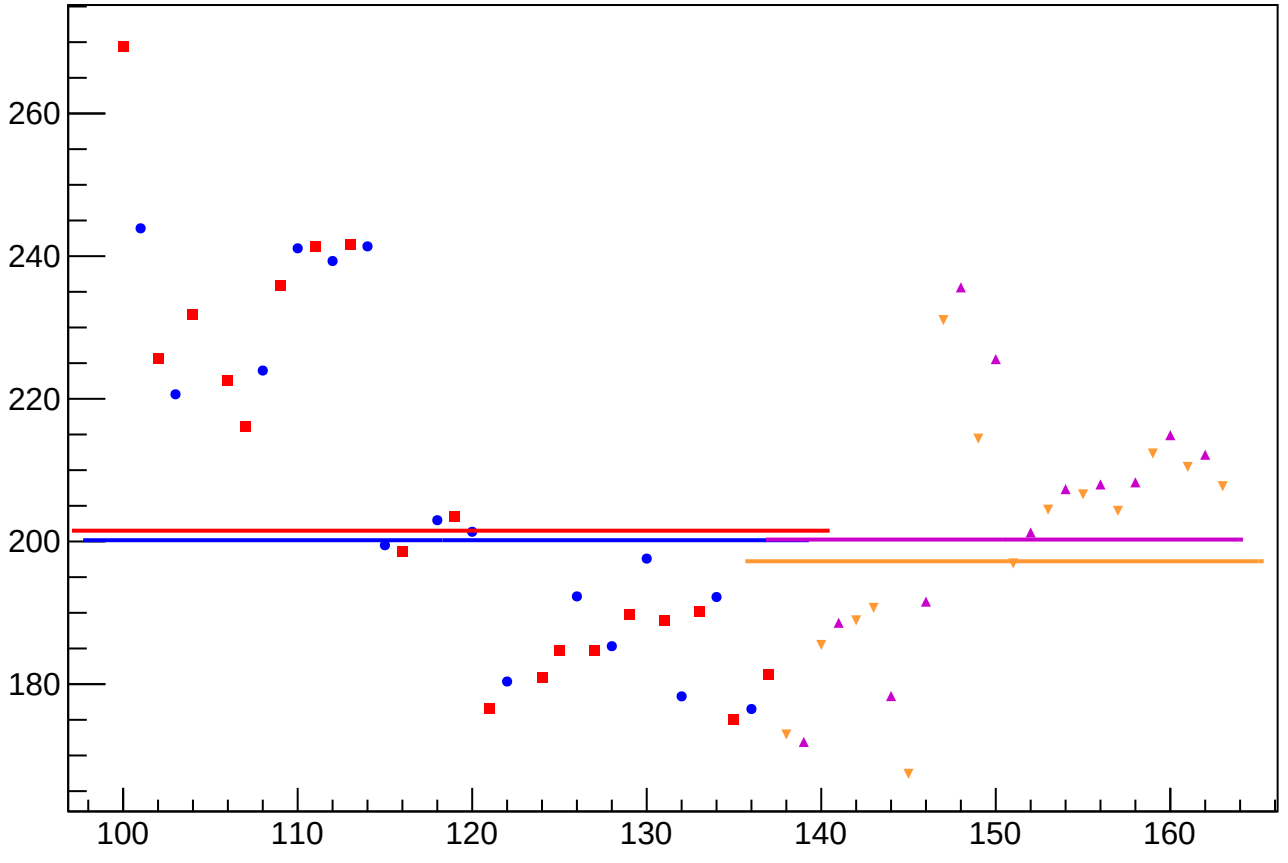
Left In: 224.587+/-62.509 χ^2/NDF:9.9/11

+ sign -65.959+/-46.409 χ^2/NDF: 69.0/29

All: 5.287+/-33.315 χ^2/NDF: 111.9/60

- sign 81.039+/-47.854 χ^2/NDF: 38.1/30

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

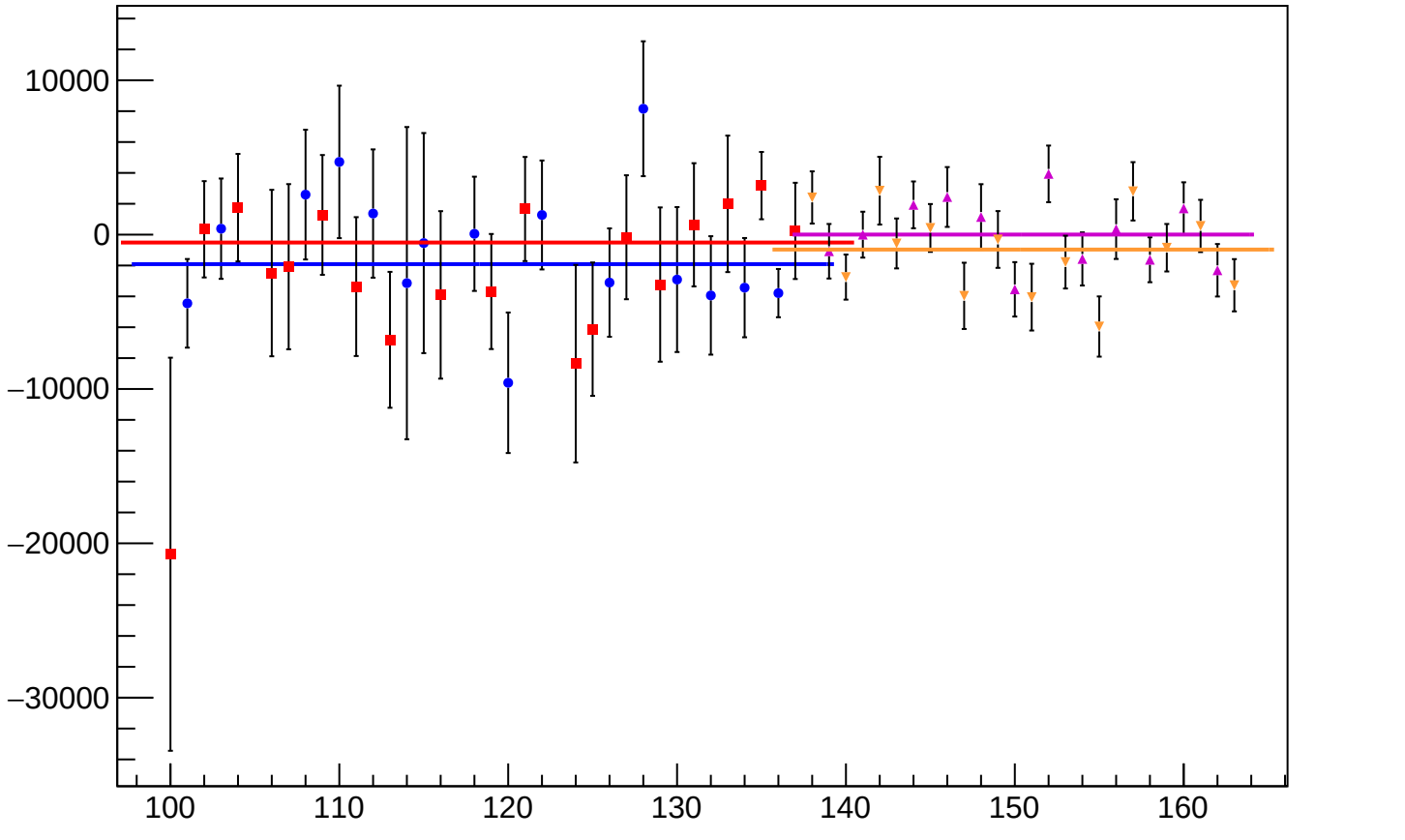
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

+ sign 198.361+/-0.033 χ^2/NDF: 348503.1/29

All: 199.536+/-0.024 χ^2/NDF: 710724.7/60

- sign 200.784+/-0.034 χ^2/NDF: 359579.3/30



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -967.192+/-468.508 χ^2/NDF:26.9/13

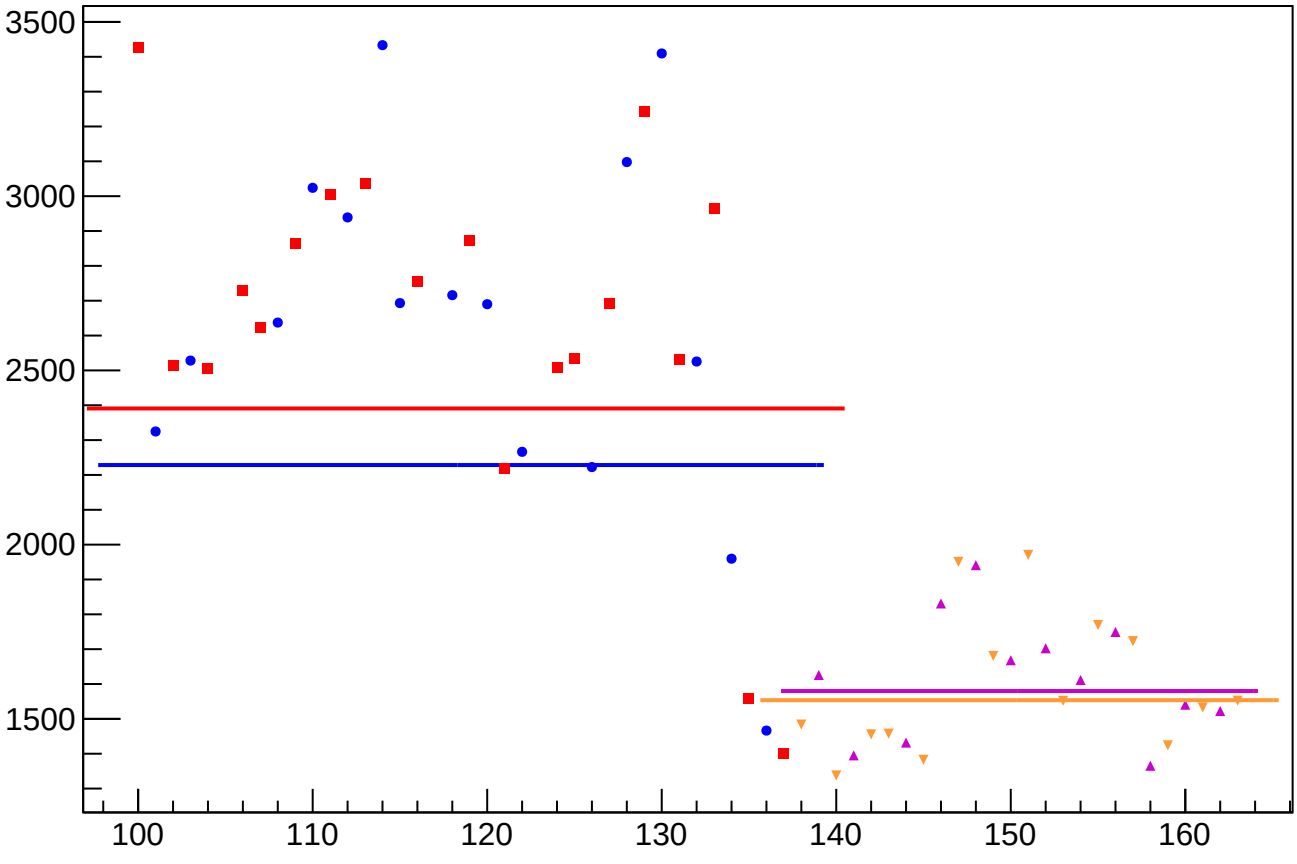
Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 5.341+/-494.495 χ^2/NDF:17.5/11

\+ sign -1183.387+/-411.319 χ^2/NDF: 44.1/29

All: -676.908+/-298.416 χ^2/NDF: 79.3/60

\- sign -114.042+/-433.611 χ^2/NDF: 32.0/30



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

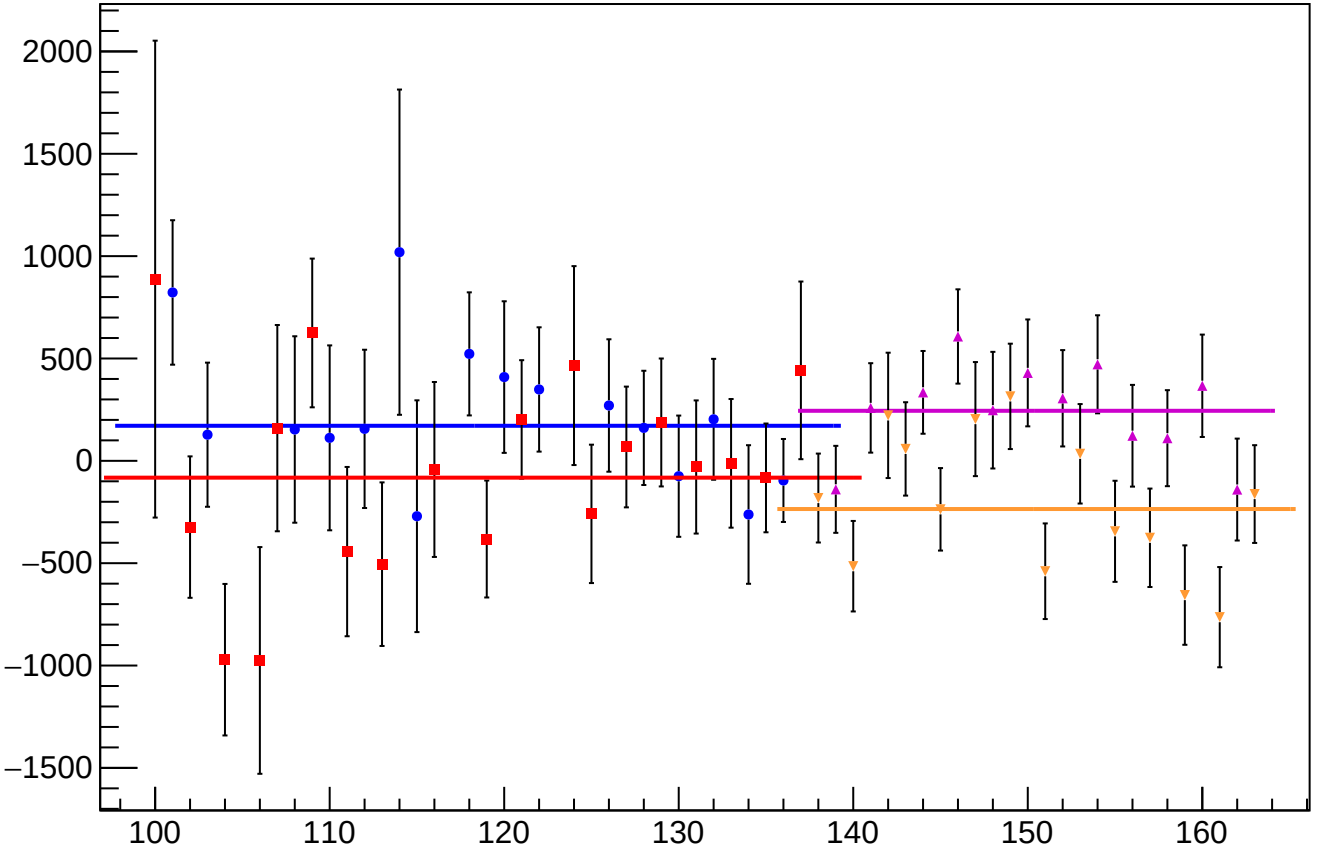
Left In: 1579.927+/-0.350 χ^2/NDF:219653.4/11

+ sign 1708.311+/-0.291 χ^2/NDF: 2188601.5/29

All: 1736.247+/-0.211 χ^2/NDF: 4460283.8/60

- sign 1767.292+/-0.307 χ^2/NDF: 2252204.4/30

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

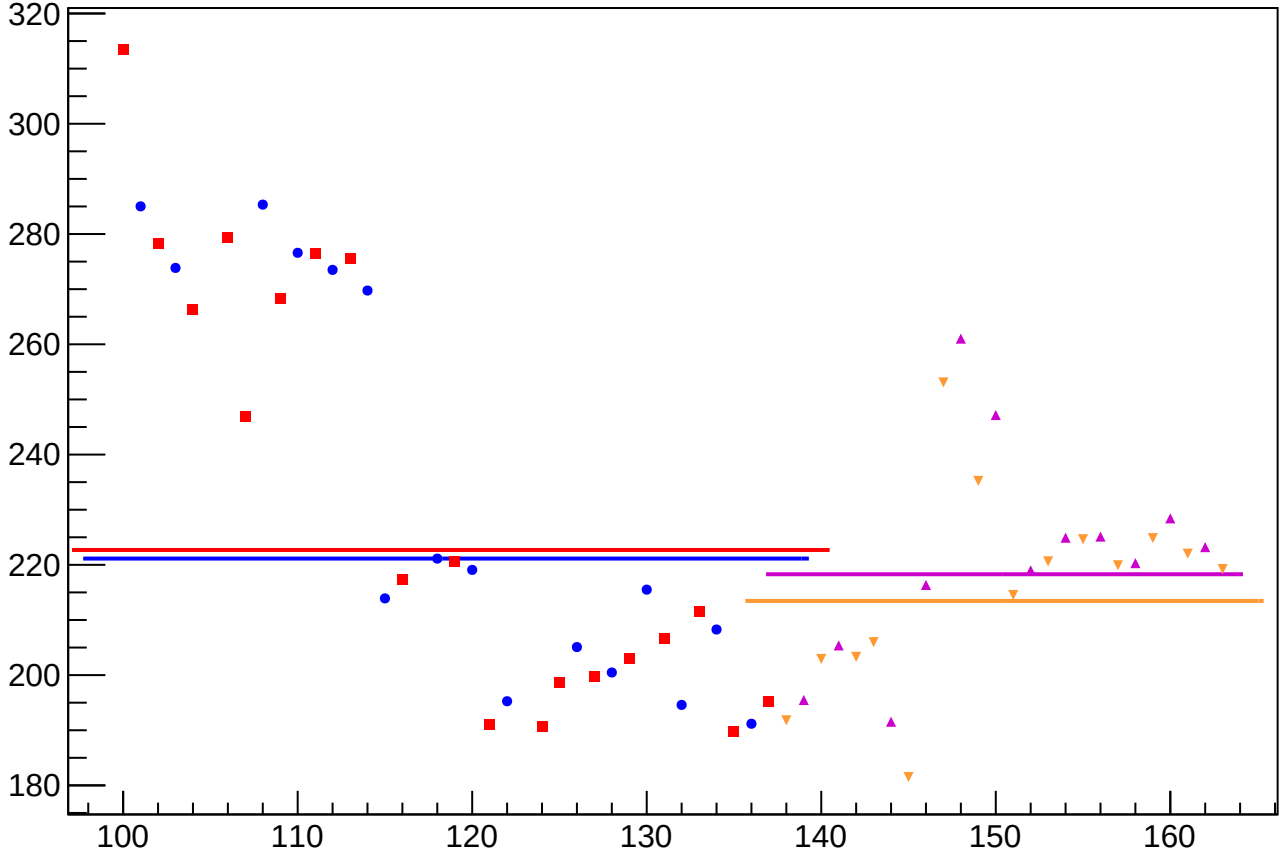
Left In: 244.462+/-68.138 χ^2/NDF:10.6/11

\+ sign -84.091+/-50.699 χ^2/NDF: 50.3/29

All: 10.493+/-36.486 χ^2/NDF: 99.1/60

\- sign 112.101+/-52.548 χ^2/NDF: 41.5/30

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.456+/-0.045 χ^2/NDF:149117.6/13

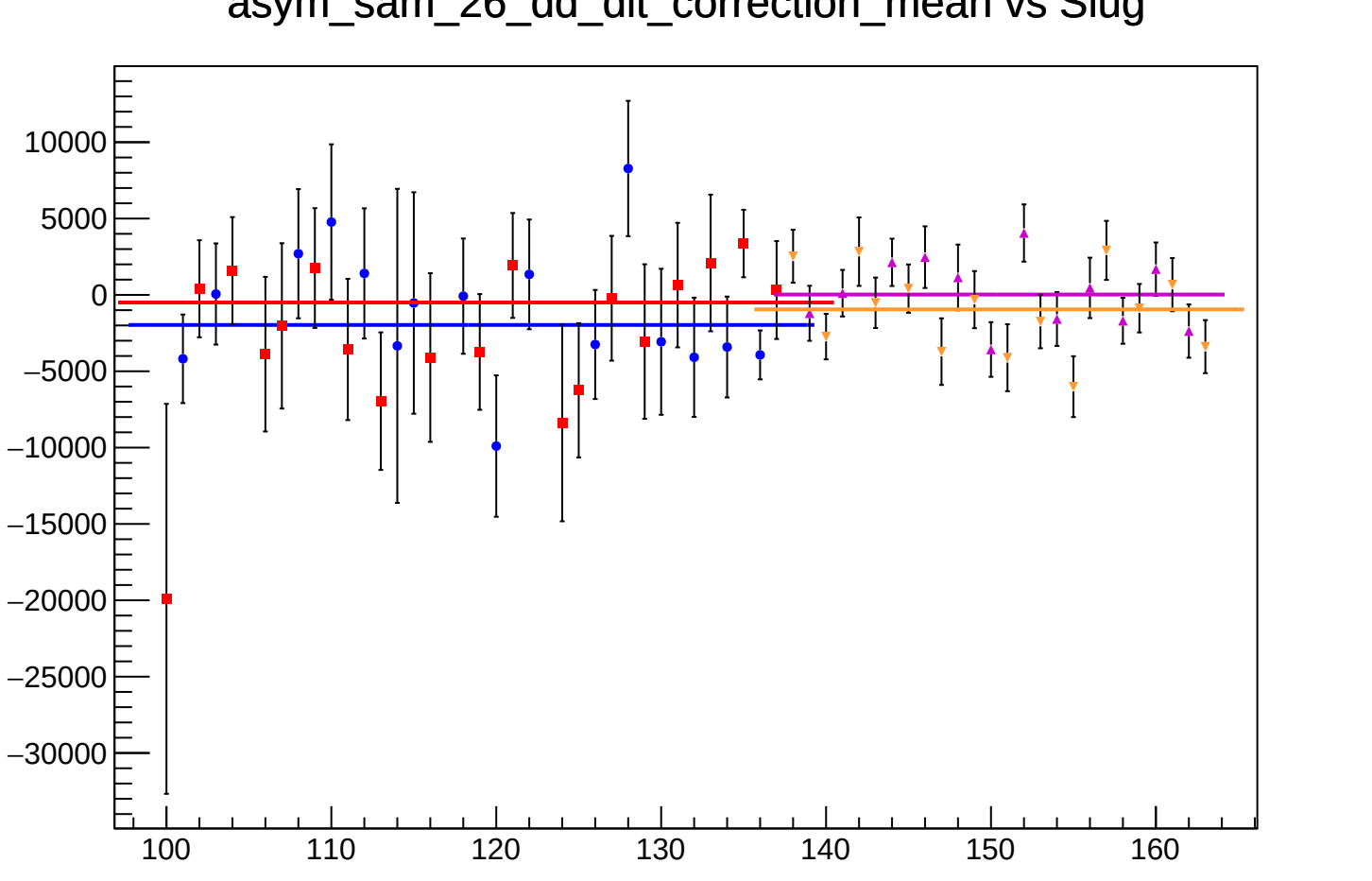
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 218.299+/-0.048 χ^2/NDF:141905.7/11

+ sign 216.315+/-0.036 χ^2/NDF: 478549.9/29

All: 218.131+/-0.026 χ^2/NDF: 956187.2/60

- sign 220.081+/-0.037 χ^2/NDF: 472315.3/30



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -947.087+/-479.158 χ^2/NDF:26.4/13

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

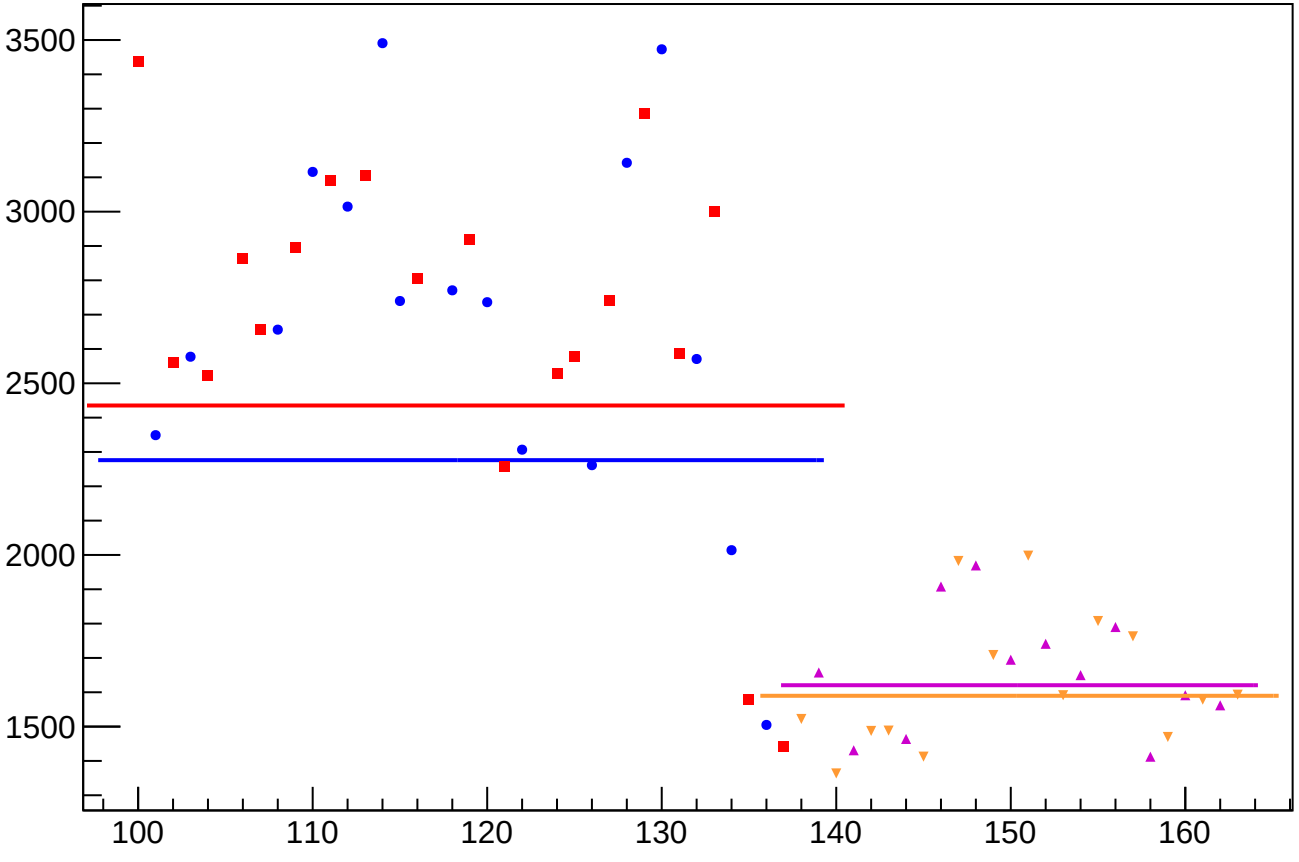
Left In: 23.031+/-507.056 χ^2/NDF:17.7/11

+ sign -1181.807+/-420.447 χ^2/NDF: 43.6/29

All: -669.377+/-305.120 χ^2/NDF: 79.5/60

- sign -99.262+/-443.482 χ^2/NDF: 32.7/30

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279742.3/13

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

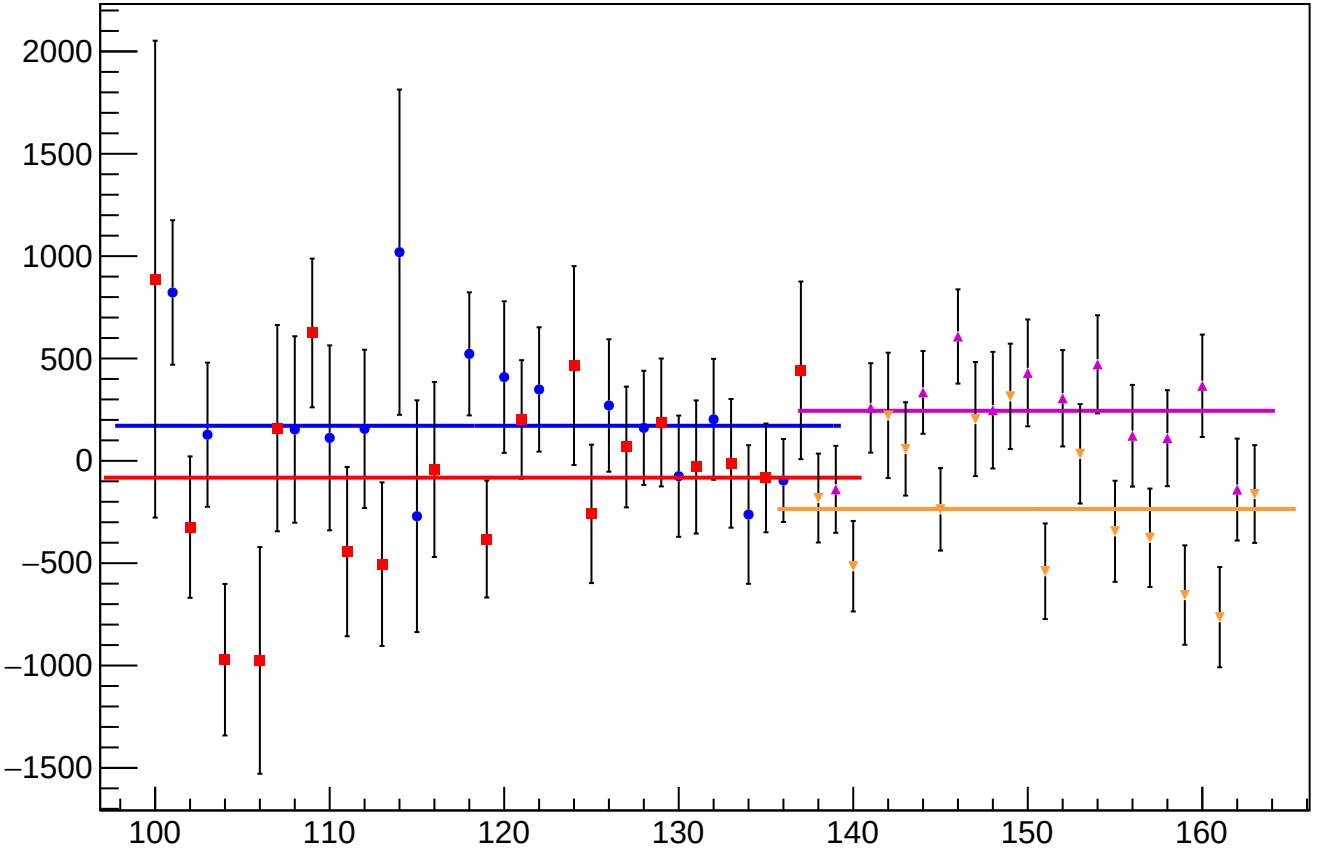
Left In: 1620.535+/-0.359 χ^2/NDF:213297.1/11

+ sign 1747.646+/-0.297 χ^2/NDF: 2150835.0/29

All: 1778.131+/-0.216 χ^2/NDF: 4391750.8/60

- sign 1812.048+/-0.314 χ^2/NDF: 2218703.1/30

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

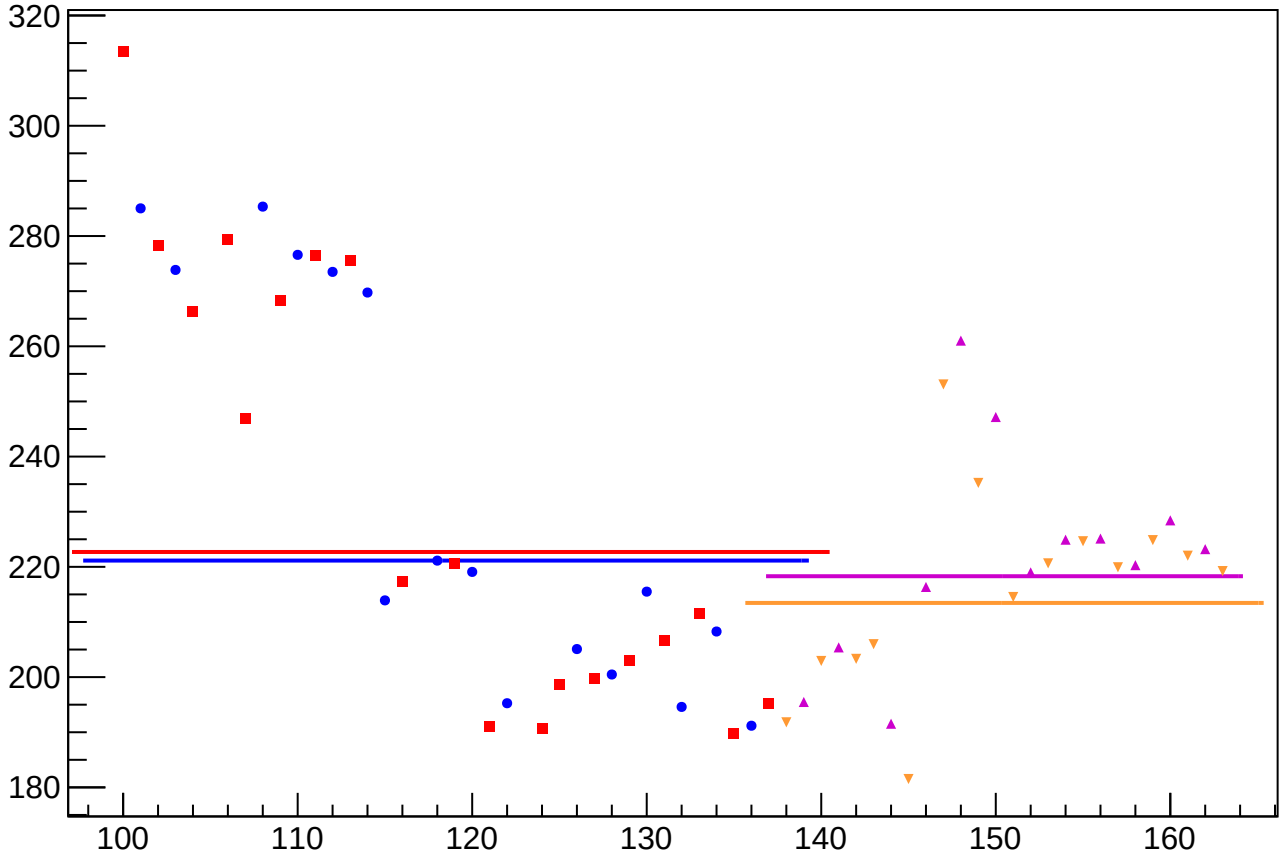
Left In: 244.463+/-68.138 χ^2/NDF:10.6/11

\+ sign -84.089+/-50.699 χ^2/NDF: 50.3/29

All: 10.494+/-36.486 χ^2/NDF: 99.1/60

\- sign 112.102+/-52.548 χ^2/NDF: 41.5/30

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.456+/-0.045 χ^2/NDF:149121.4/13

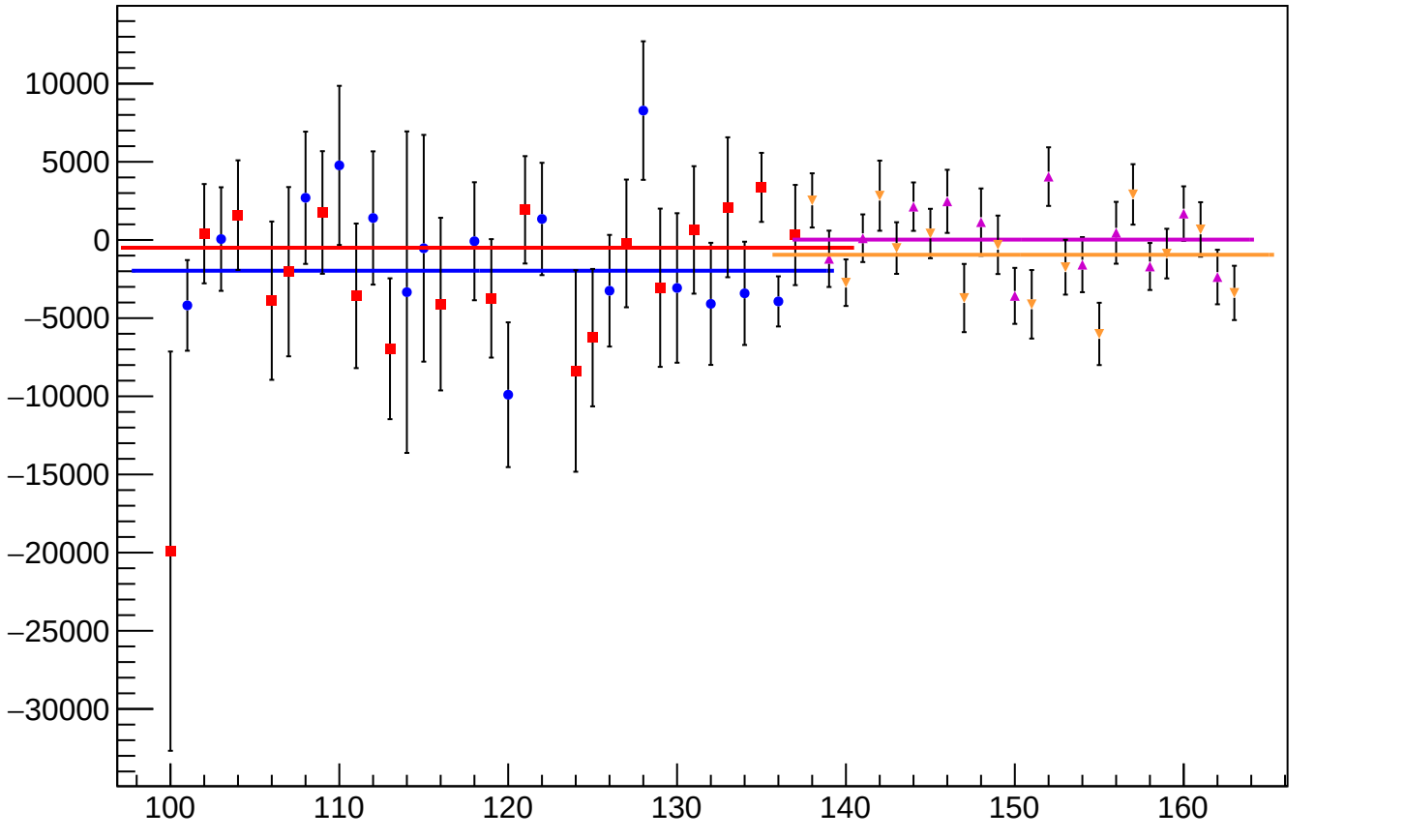
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.299+/-0.048 χ^2/NDF:141907.4/11

+ sign 216.314+/-0.036 χ^2/NDF: 478545.7/29

All: 218.130+/-0.026 χ^2/NDF: 956176.5/60

- sign 220.081+/-0.037 χ^2/NDF: 472308.9/30



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -947.085+/-479.158 χ^2/NDF:26.4/13

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

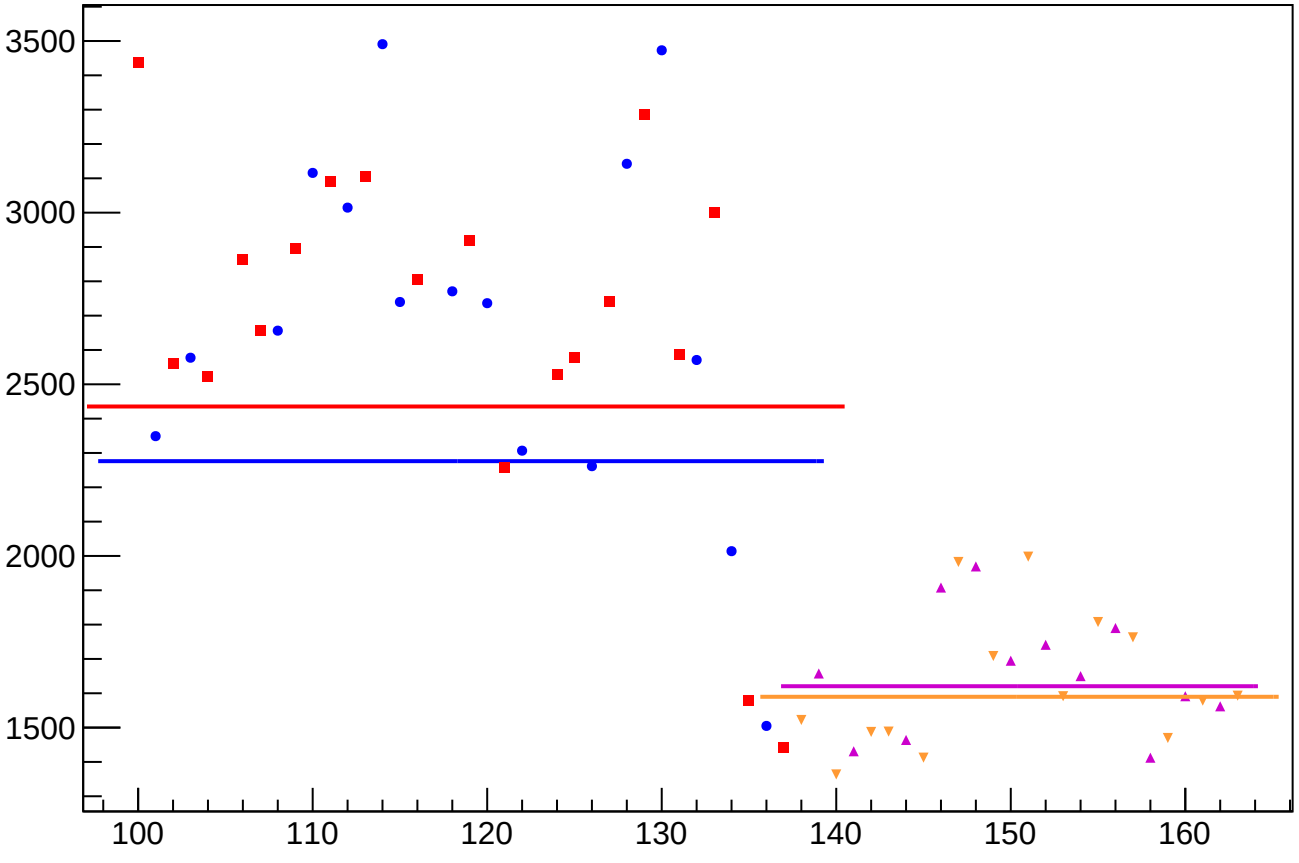
Left In: 23.031+/-507.056 χ^2/NDF:17.7/11

+ sign -1181.805+/-420.447 χ^2/NDF: 43.6/29

All: -669.377+/-305.119 χ^2/NDF: 79.5/60

- sign -99.263+/-443.482 χ^2/NDF: 32.7/30

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279745.7/13

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

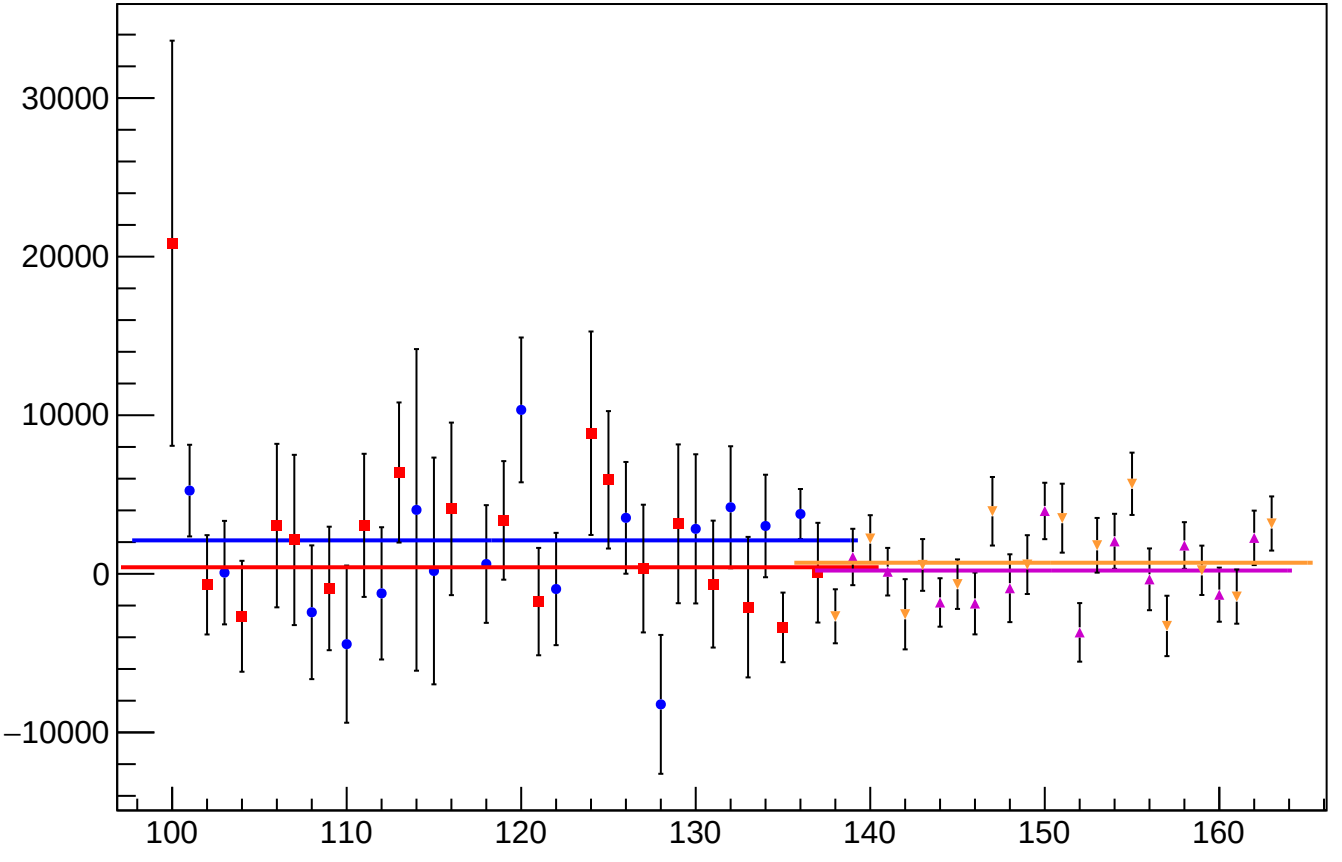
Left In: 1620.534+/-0.359 χ^2/NDF:213298.7/11

+ sign 1747.645+/-0.297 χ^2/NDF: 2150824.6/29

All: 1778.131+/-0.216 χ^2/NDF: 4391729.9/60

- sign 1812.048+/-0.314 χ^2/NDF: 2218692.7/30

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 699.639+/-472.442 χ^2/NDF:26.8/13

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

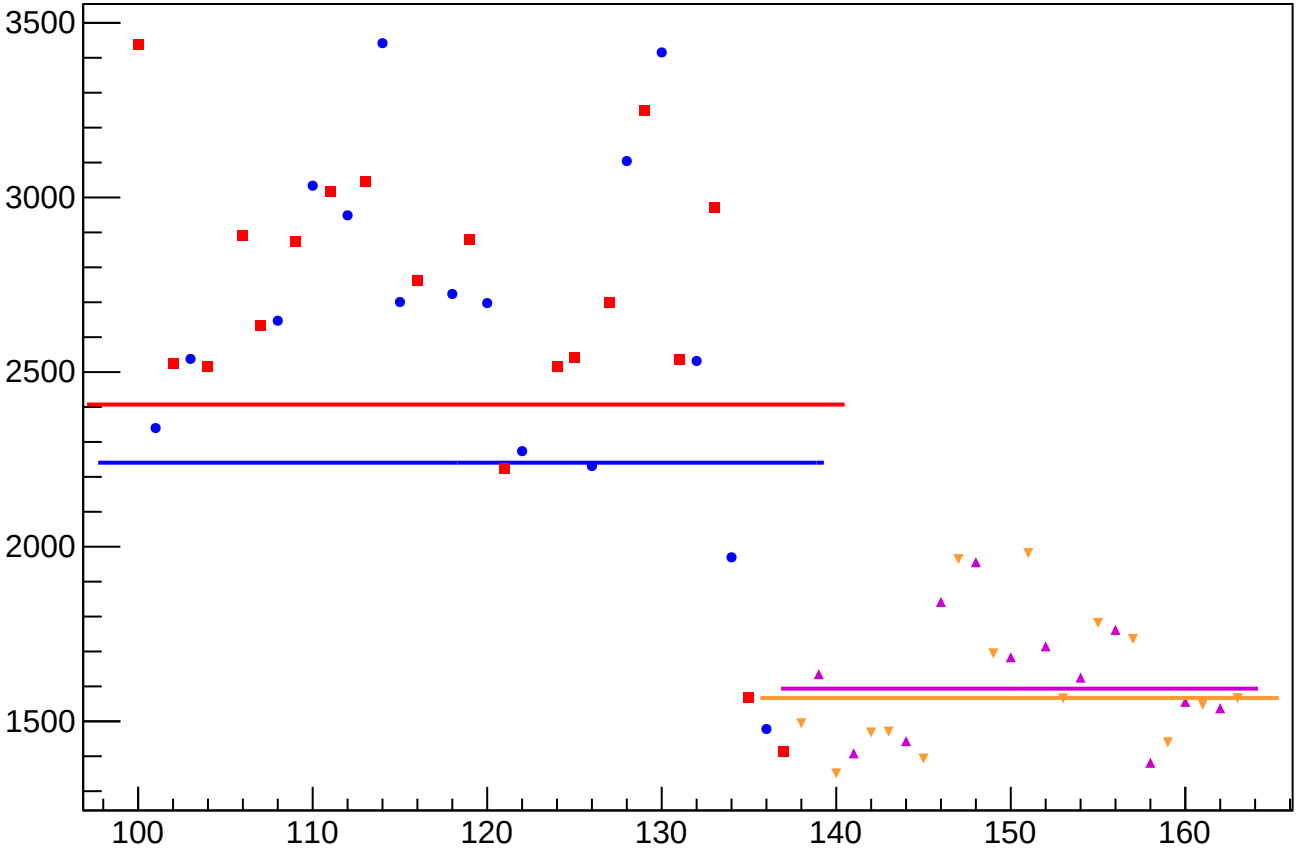
Left In: 207.384+/-498.683 χ^2/NDF:16.9/11

+ sign 1024.574+/-414.440 χ^2/NDF: 45.5/29

All: 660.172+/-300.614 χ^2/NDF: 78.7/60

- sign 255.578+/-436.698 χ^2/NDF: 31.6/30

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1566.958+/-0.334 χ^2/NDF:285263.6/13

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

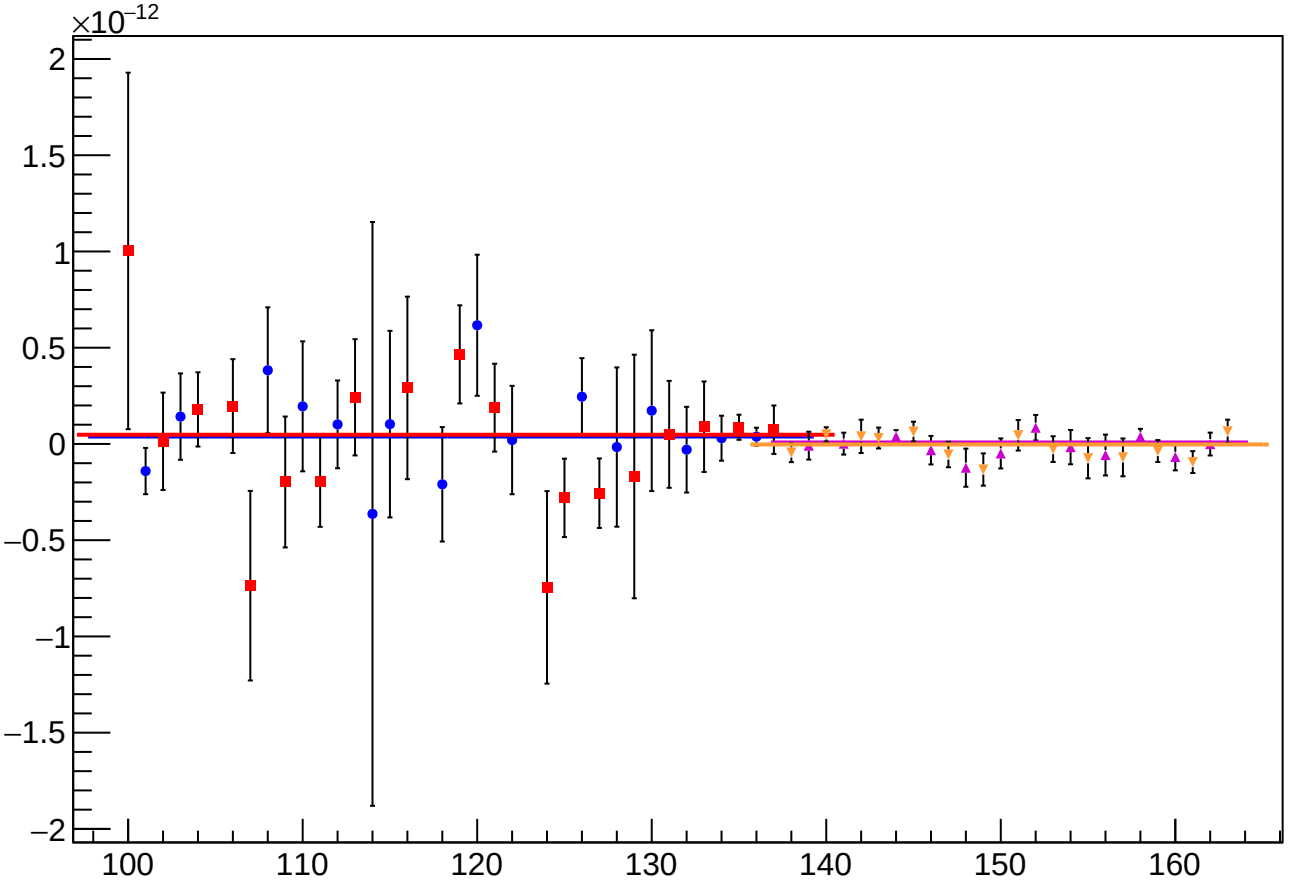
Left In: 1593.586+/-0.353 χ^2/NDF:214849.7/11

+ sign 1722.217+/-0.293 χ^2/NDF: 2156058.7/29

All: 1751.143+/-0.213 χ^2/NDF: 4421421.8/60

- sign 1783.259+/-0.309 χ^2/NDF: 2244802.6/30

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:13.6/13

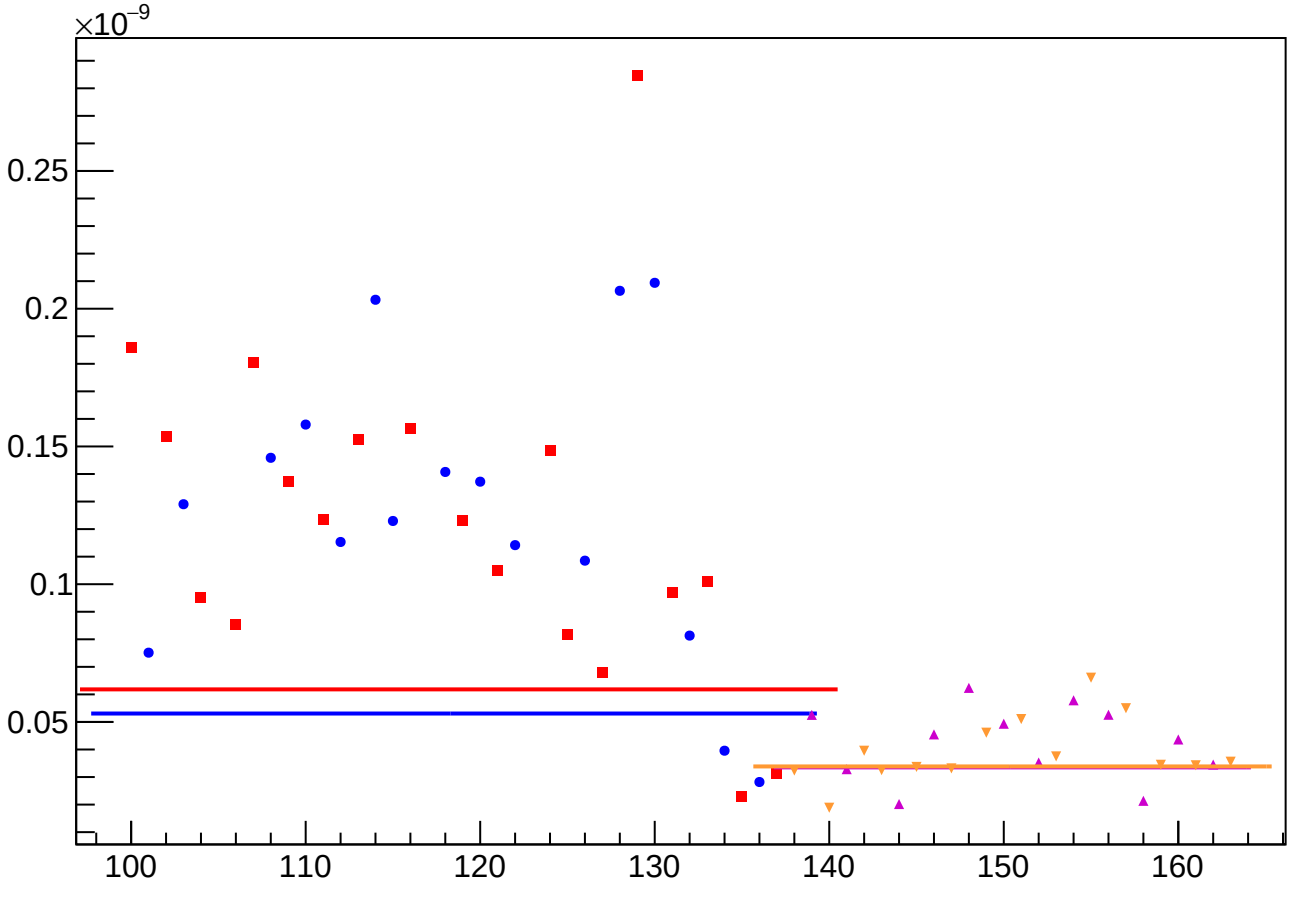
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 23.1/29

All: 0.000+/-0.000 χ^2/NDF: 49.2/60

- sign 0.000+/-0.000 χ^2/NDF: 25.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:758725.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

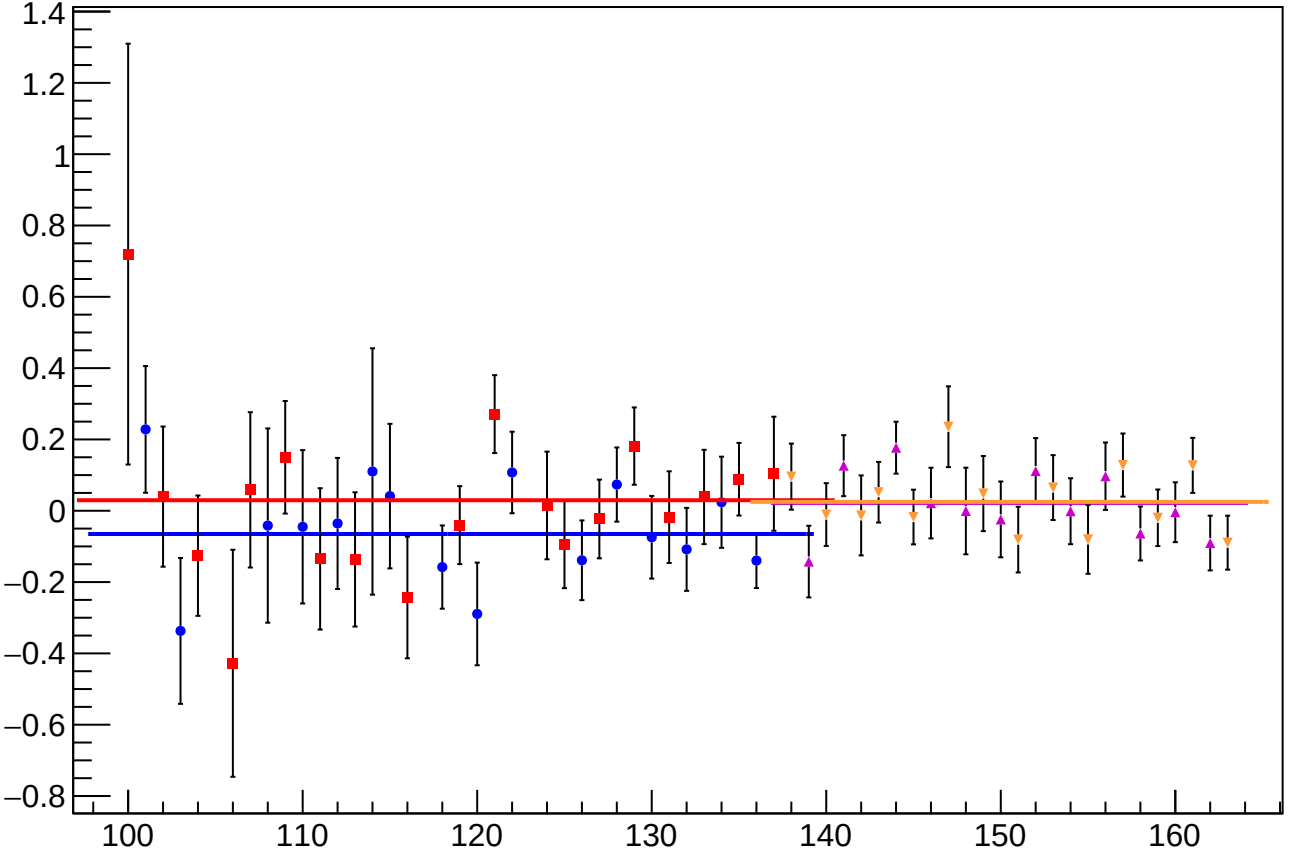
Left In: 0.000+/-0.000 χ^2/NDF:1182894.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3800703.0/29

All: 0.000+/-0.000 χ^2/NDF: 8136531.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4335288.5/30

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: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

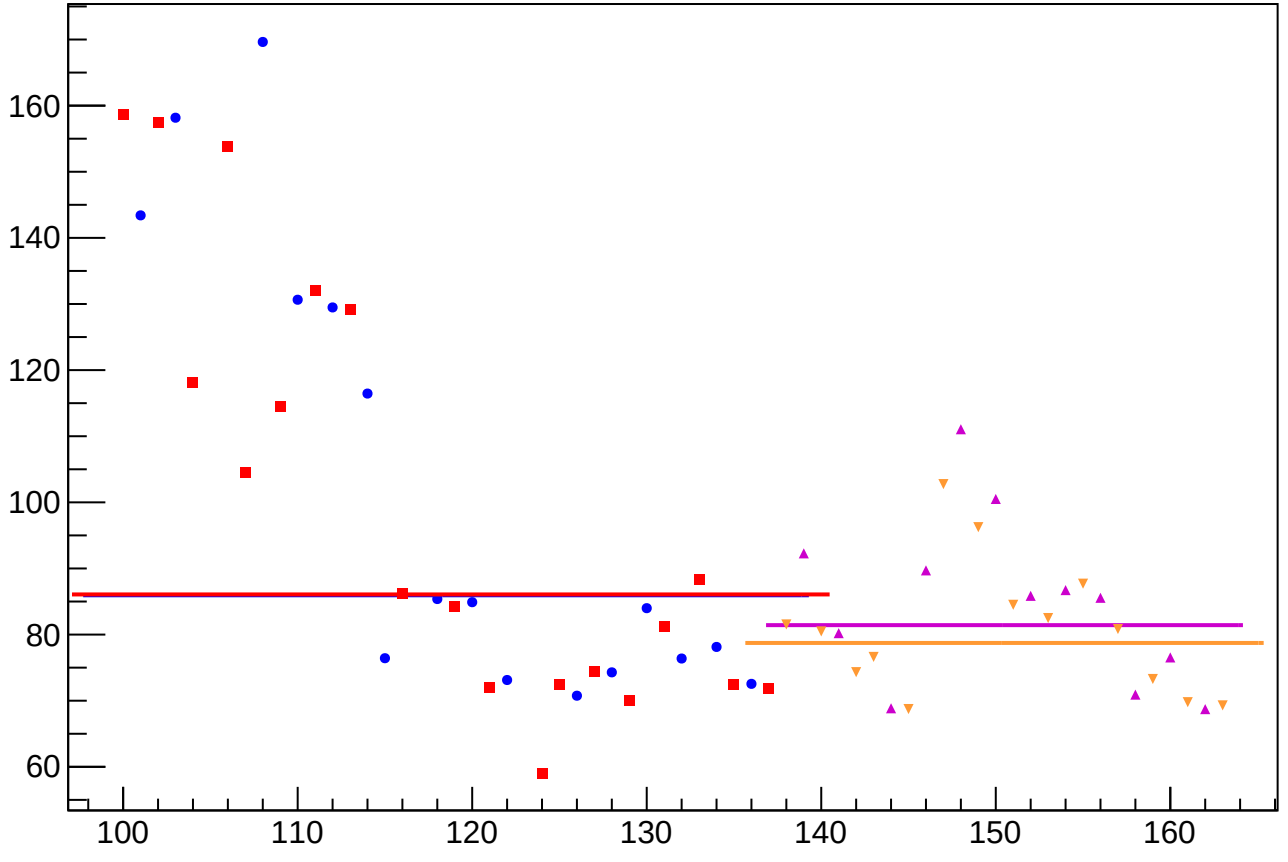
Left In: 0.022+/-0.026 χ^2/NDF:14.1/11

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.009+/-0.014 χ^2/NDF: 65.6/60

- sign 0.025+/-0.020 χ^2/NDF: 32.2/30

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: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

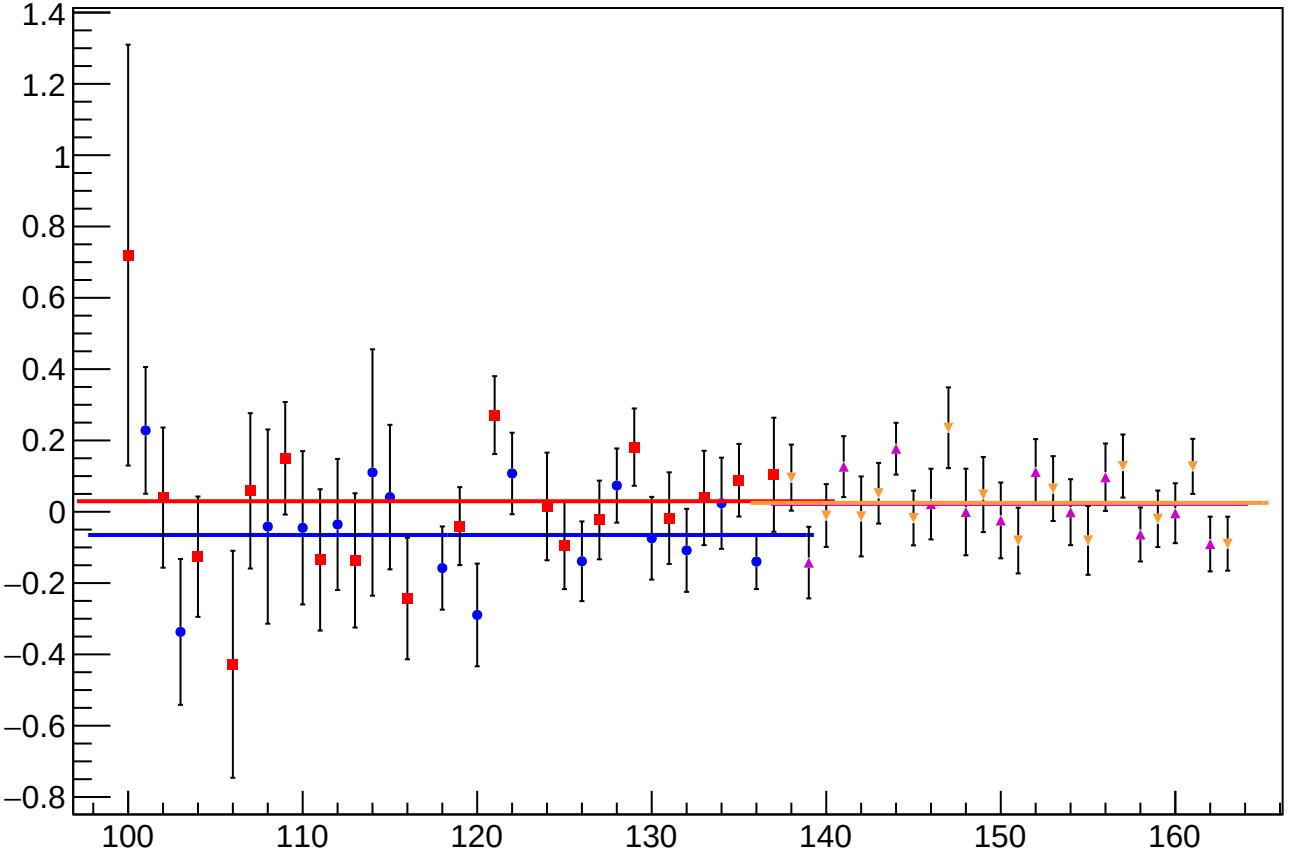
Left In: 81.429+/-0.018 χ^2/NDF:395850.3/11

+ sign 81.163+/-0.014 χ^2/NDF: 1380446.3/29

All: 82.126+/-0.010 χ^2/NDF: 2802780.5/60

- sign 83.184+/-0.014 χ^2/NDF: 1411915.1/30

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: 0.025+/-0.024 χ^2/NDF:13.2/13

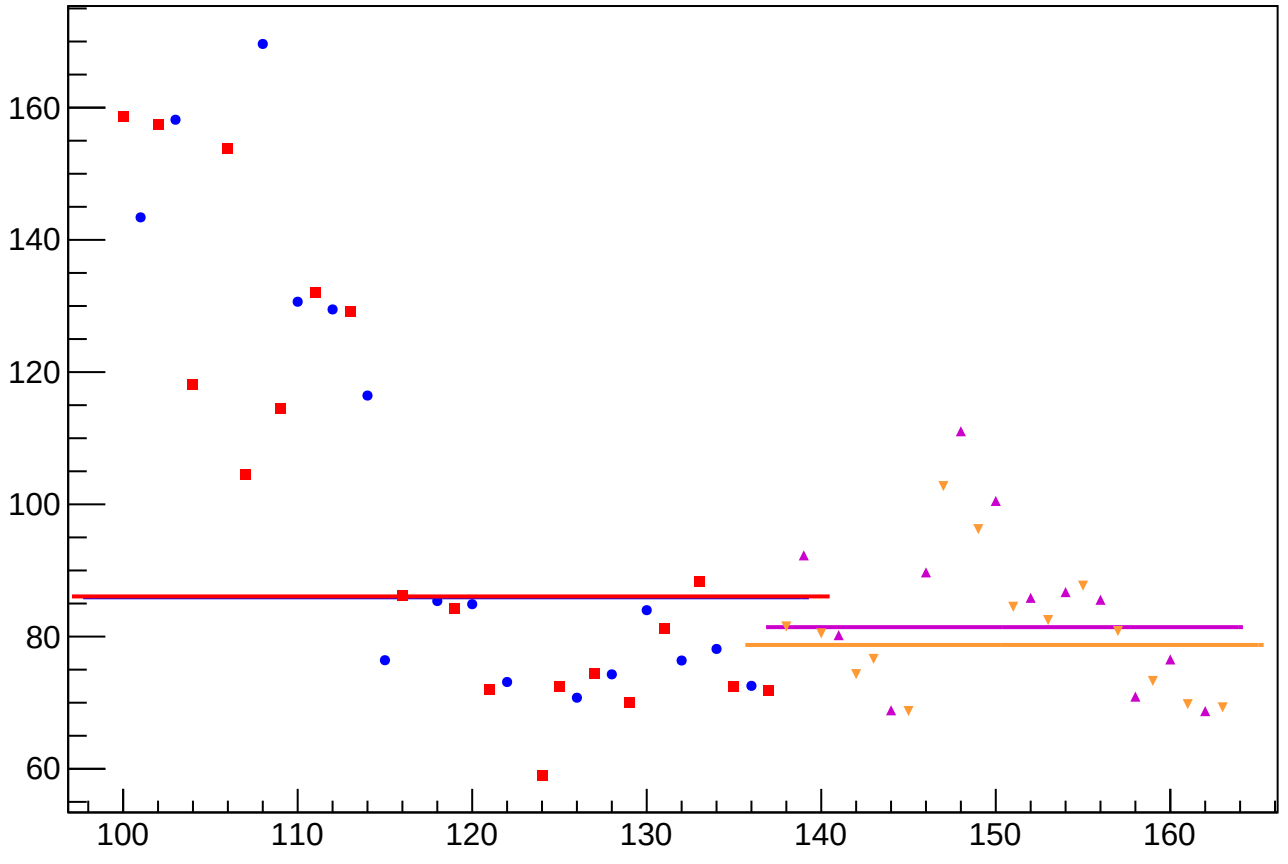
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.022+/-0.026 χ^2/NDF:14.1/11

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.009+/-0.014 χ^2/NDF: 65.6/60

- sign 0.025+/-0.020 χ^2/NDF: 32.2/30



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

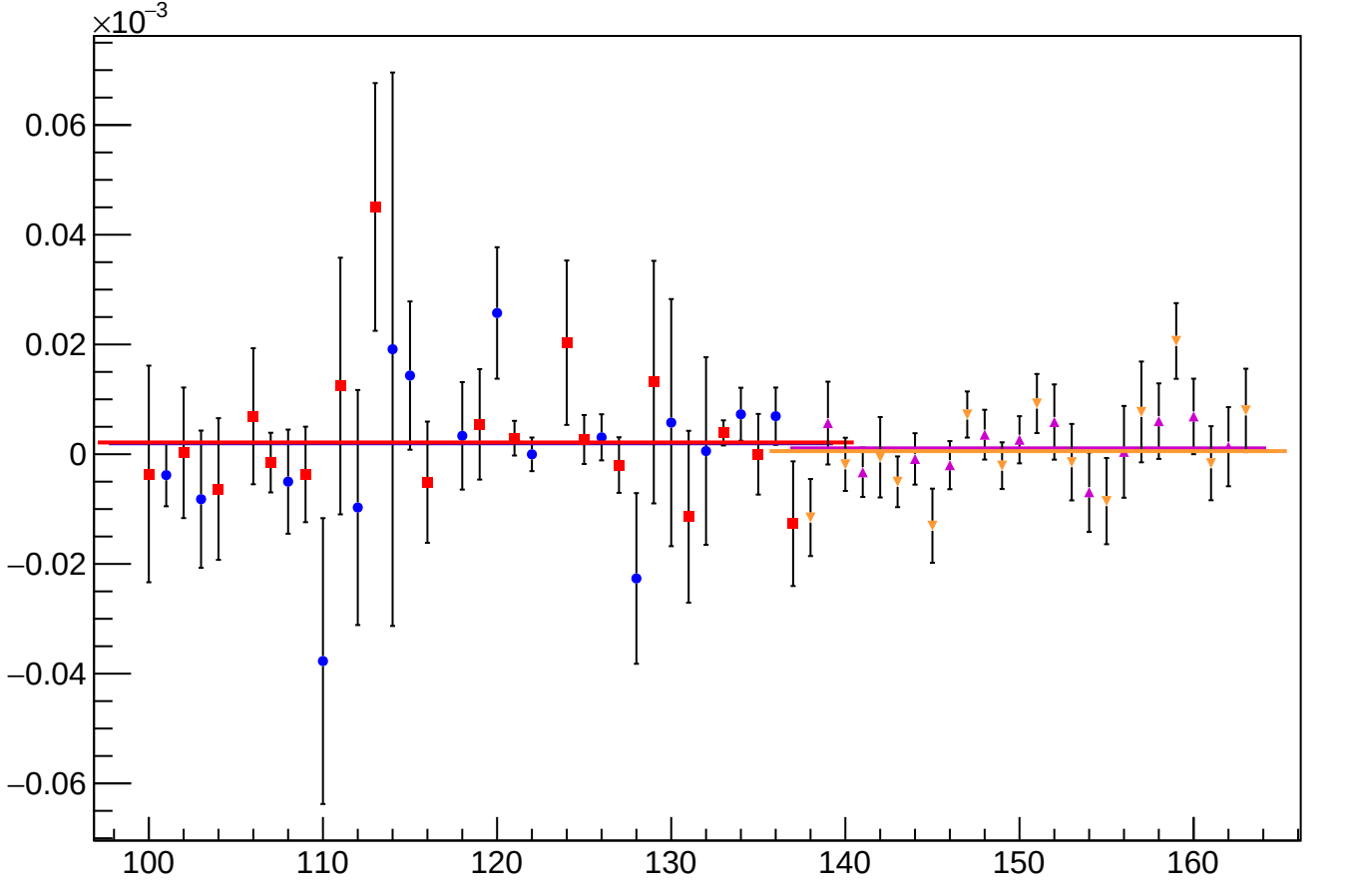
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 81.429+/-0.018 χ^2/NDF:395850.3/11

+ sign 81.163+/-0.014 χ^2/NDF: 1380446.3/29

All: 82.126+/-0.010 χ^2/NDF: 2802780.5/60

- sign 83.184+/-0.014 χ^2/NDF: 1411915.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/13

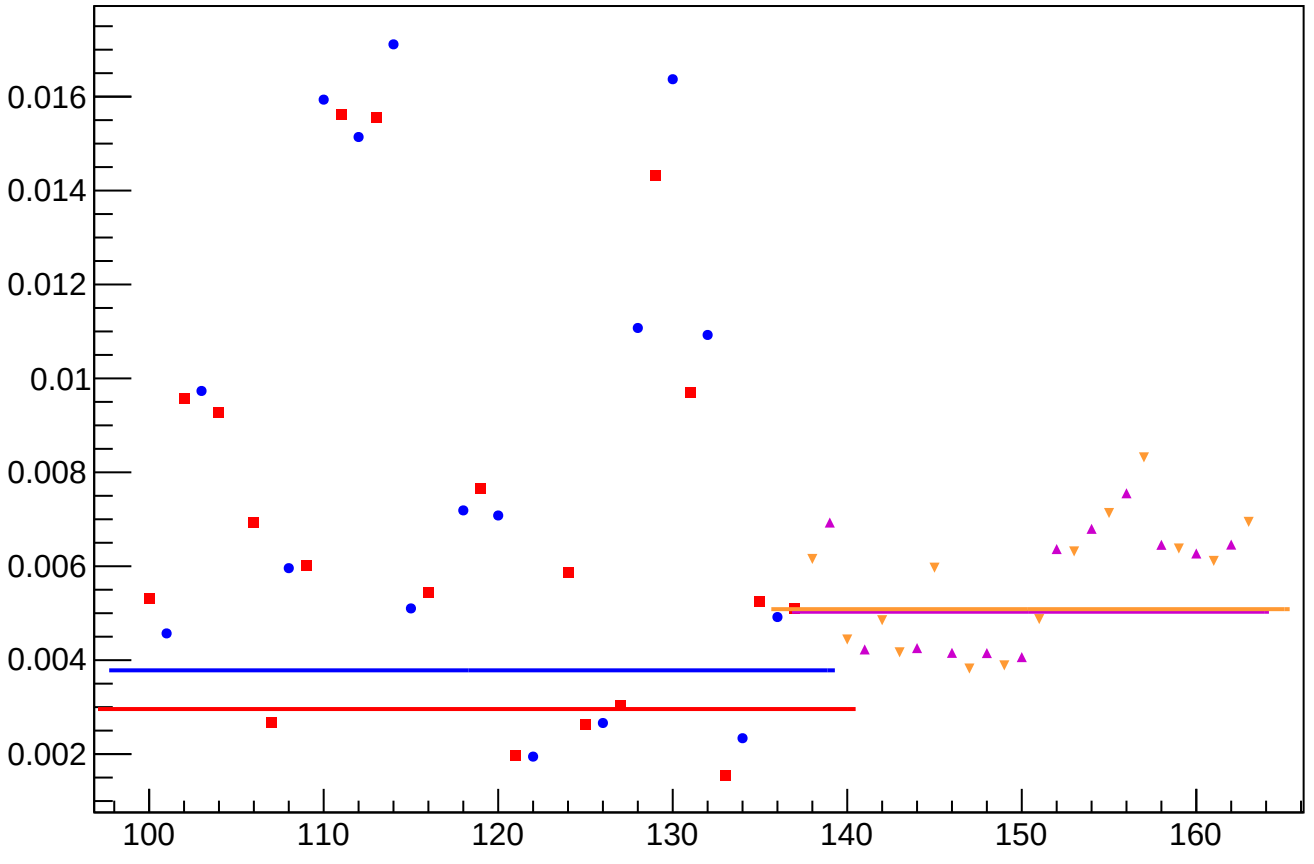
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/29

All: 0.000+/-0.000 χ^2/NDF: 58.3/60

- sign 0.000+/-0.000 χ^2/NDF: 17.1/30



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221740.0/13

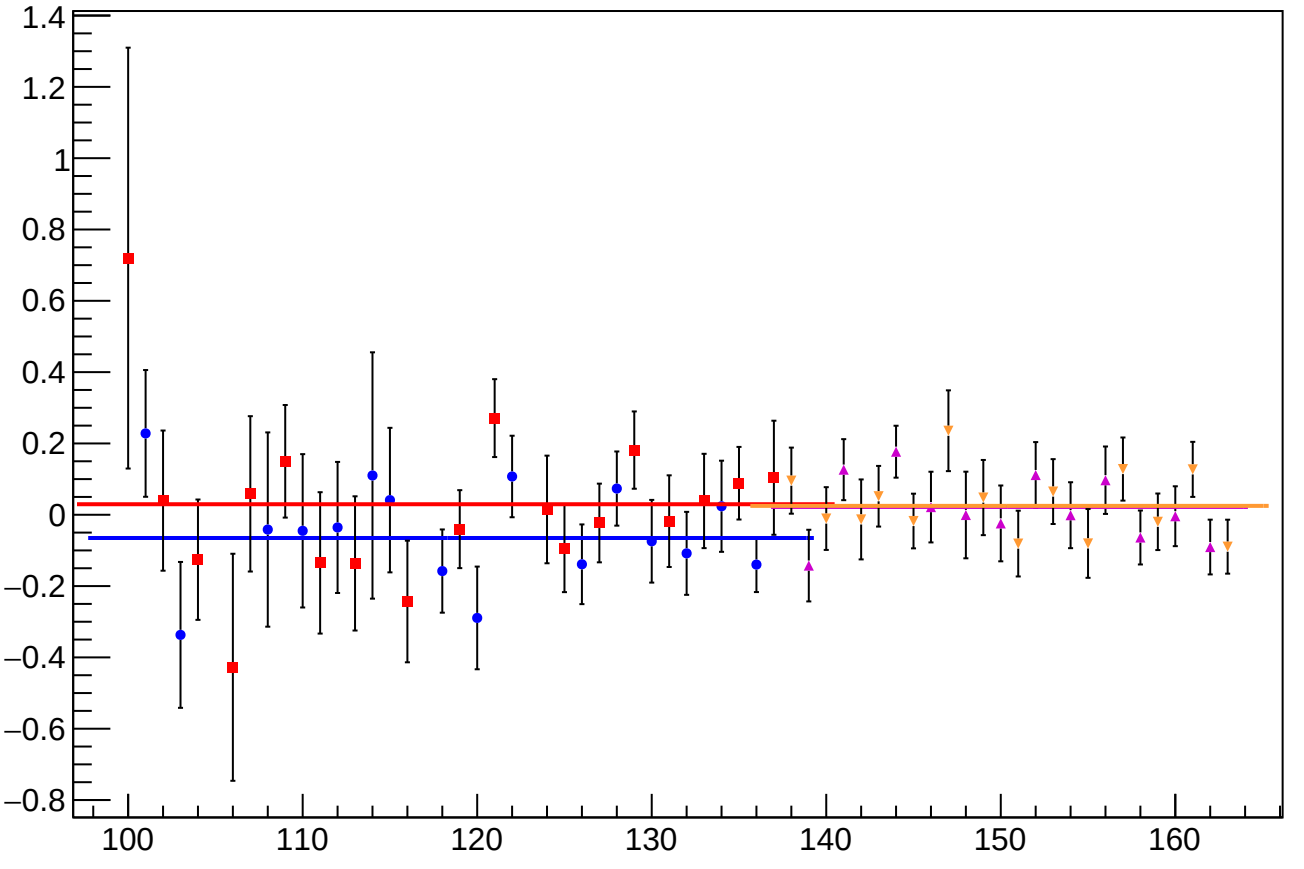
Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1106908.5/11

+ sign 0.005+/-0.000 χ^2/NDF: 6531246.1/29

All: 0.004+/-0.000 χ^2/NDF: 15407180.0/60

- sign 0.004+/-0.000 χ^2/NDF: 8531540.7/30



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

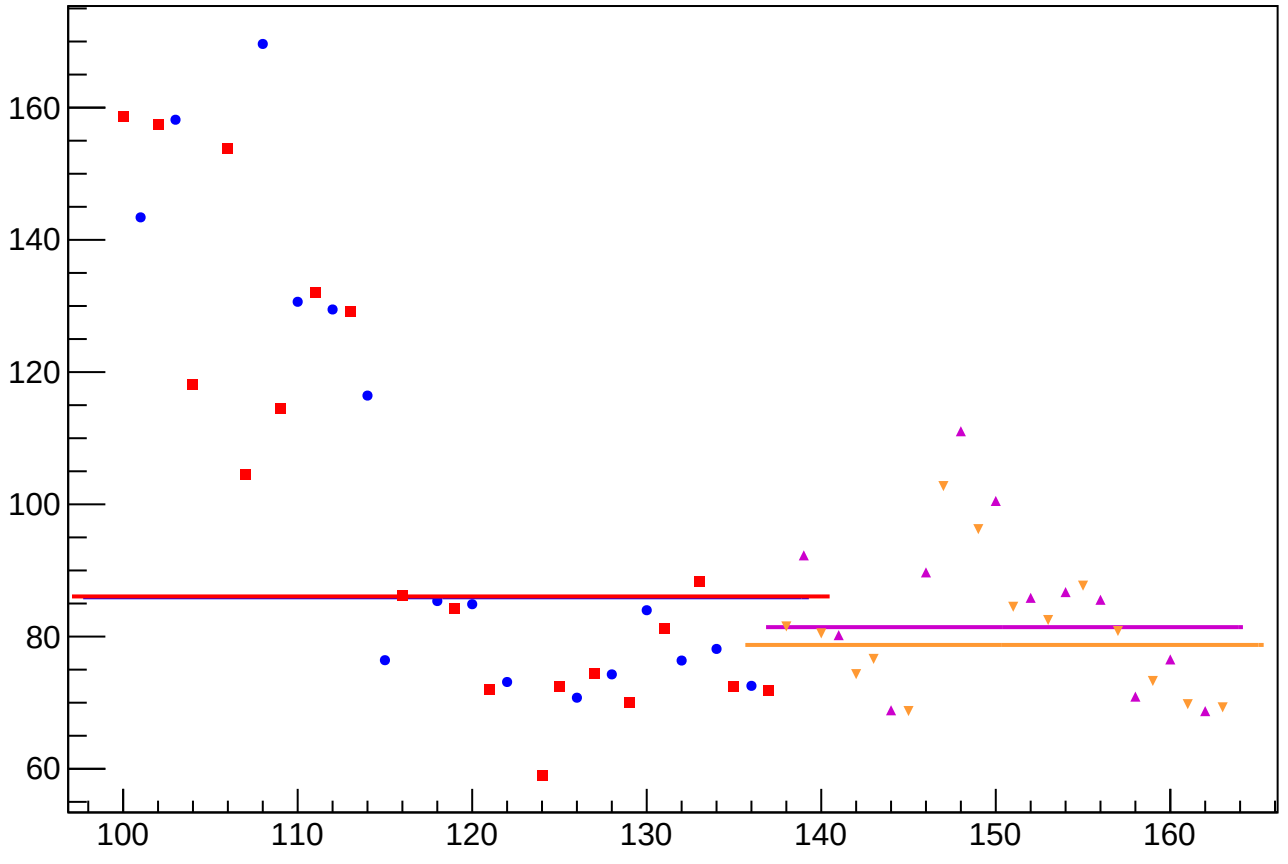
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.022+/-0.026 χ^2/NDF:14.1/11

+ sign -0.005+/-0.019 χ^2/NDF: 32.2/29

All: 0.009+/-0.014 χ^2/NDF: 65.6/60

- sign 0.025+/-0.020 χ^2/NDF: 32.2/30



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.736+/-0.017 χ^2/NDF:283315.5/13

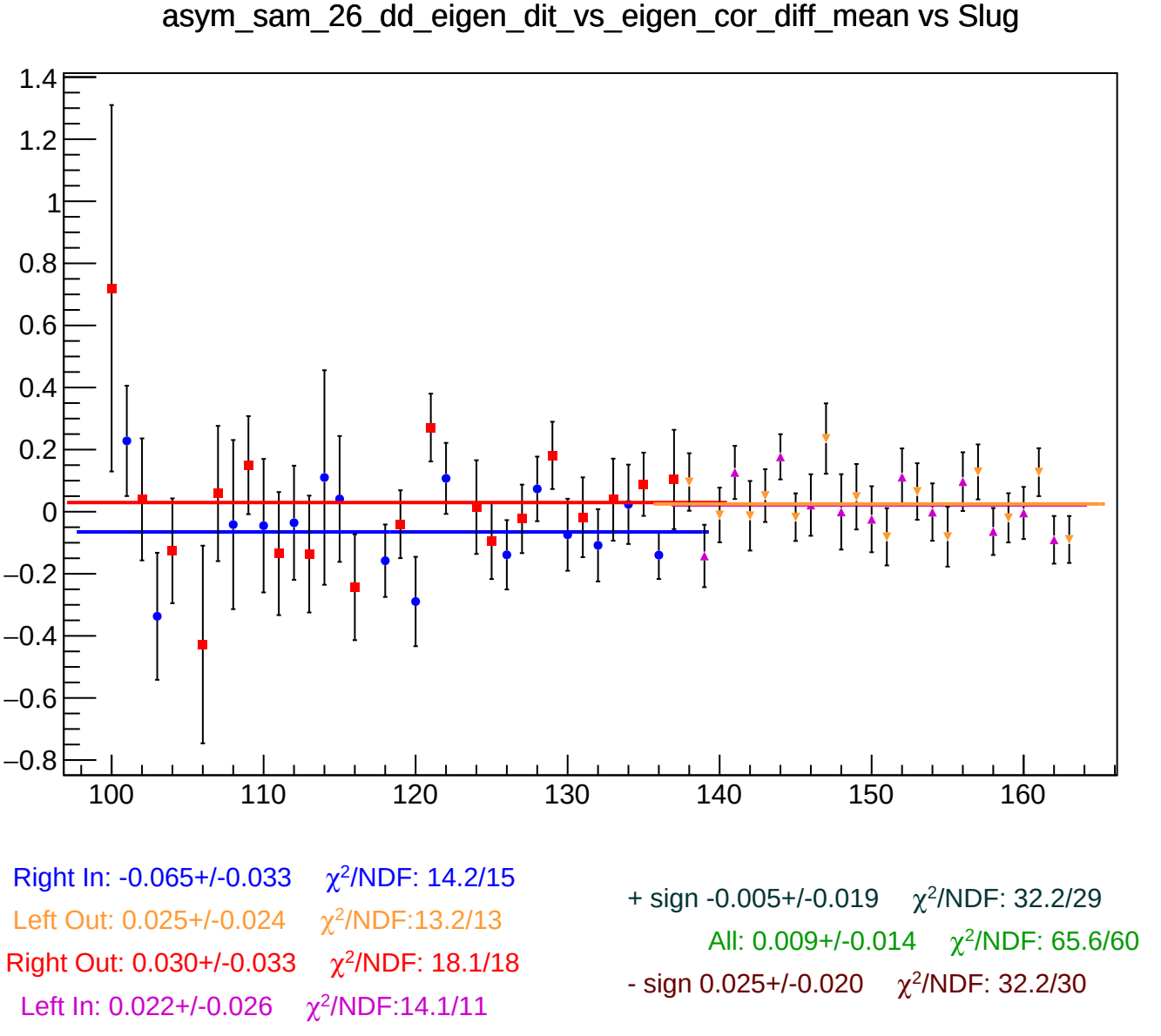
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

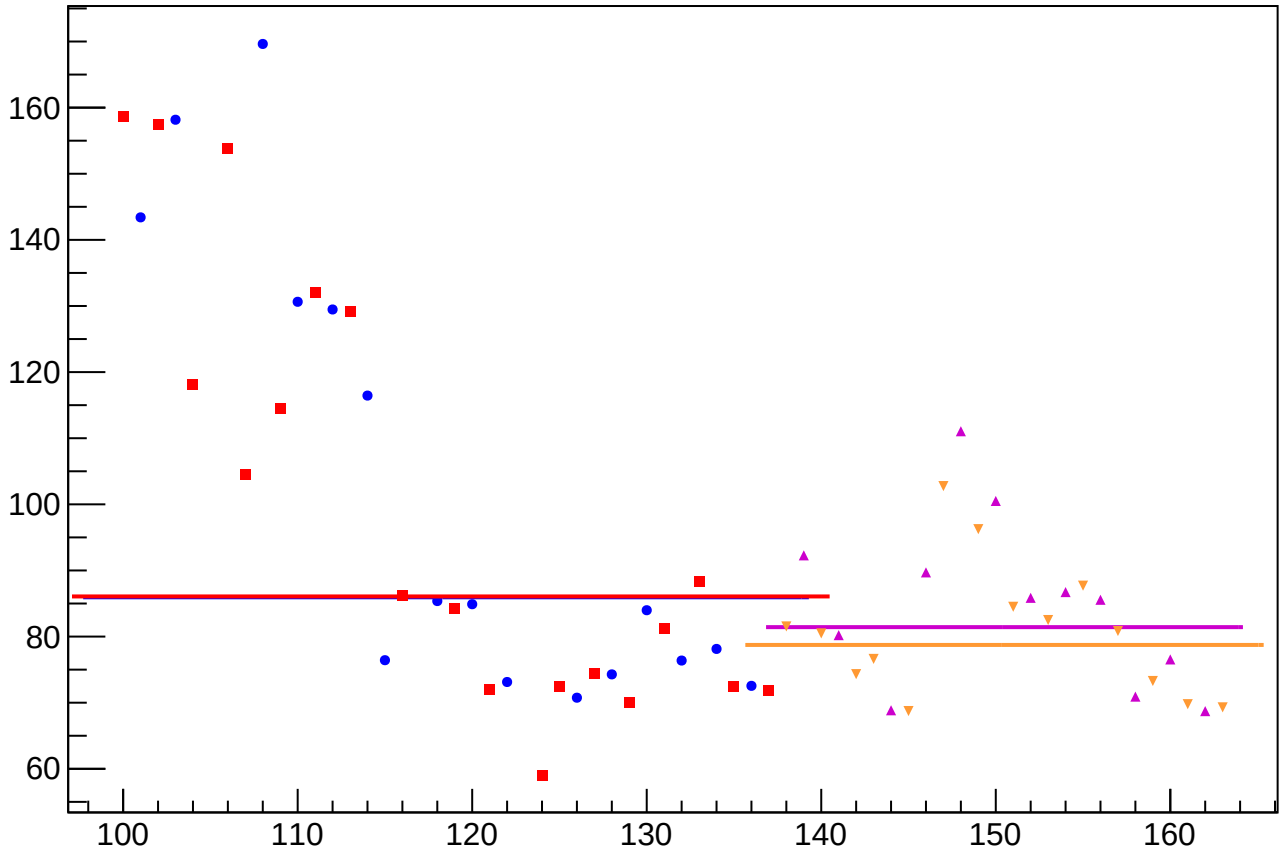
Left In: 81.428+/-0.018 χ^2/NDF:395890.8/11

+ sign 81.162+/-0.014 χ^2/NDF: 1380428.4/29

All: 82.124+/-0.010 χ^2/NDF: 2802781.7/60

- sign 83.183+/-0.014 χ^2/NDF: 1411936.7/30


asym_sam_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
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.025+/-0.024 χ²/NDF:13.2/13
Right Out: 0.030+/-0.033 χ²/NDF: 18.1/18
Left In: 0.022+/-0.026 χ²/NDF:14.1/11
+ sign -0.005+/-0.019 χ²/NDF: 32.2/29
All: 0.009+/-0.014 χ²/NDF: 65.6/60
- sign 0.025+/-0.020 χ²/NDF: 32.2/30



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.736+/-0.017 χ^2/NDF:283315.5/13

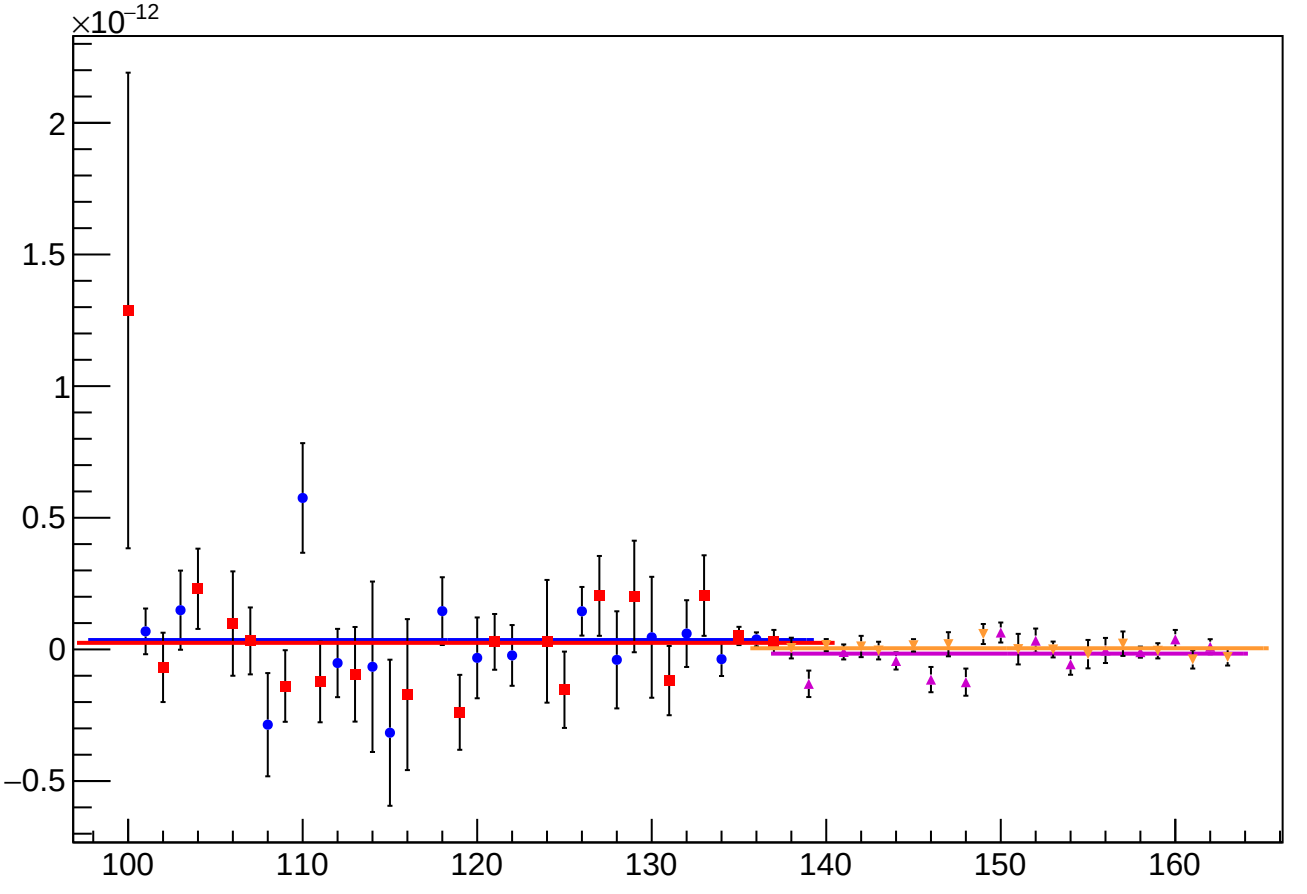
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 81.428+/-0.018 χ^2/NDF:395890.8/11

+ sign 81.162+/-0.014 χ^2/NDF: 1380428.4/29

All: 82.124+/-0.010 χ^2/NDF: 2802781.7/60

- sign 83.183+/-0.014 χ^2/NDF: 1411936.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/13

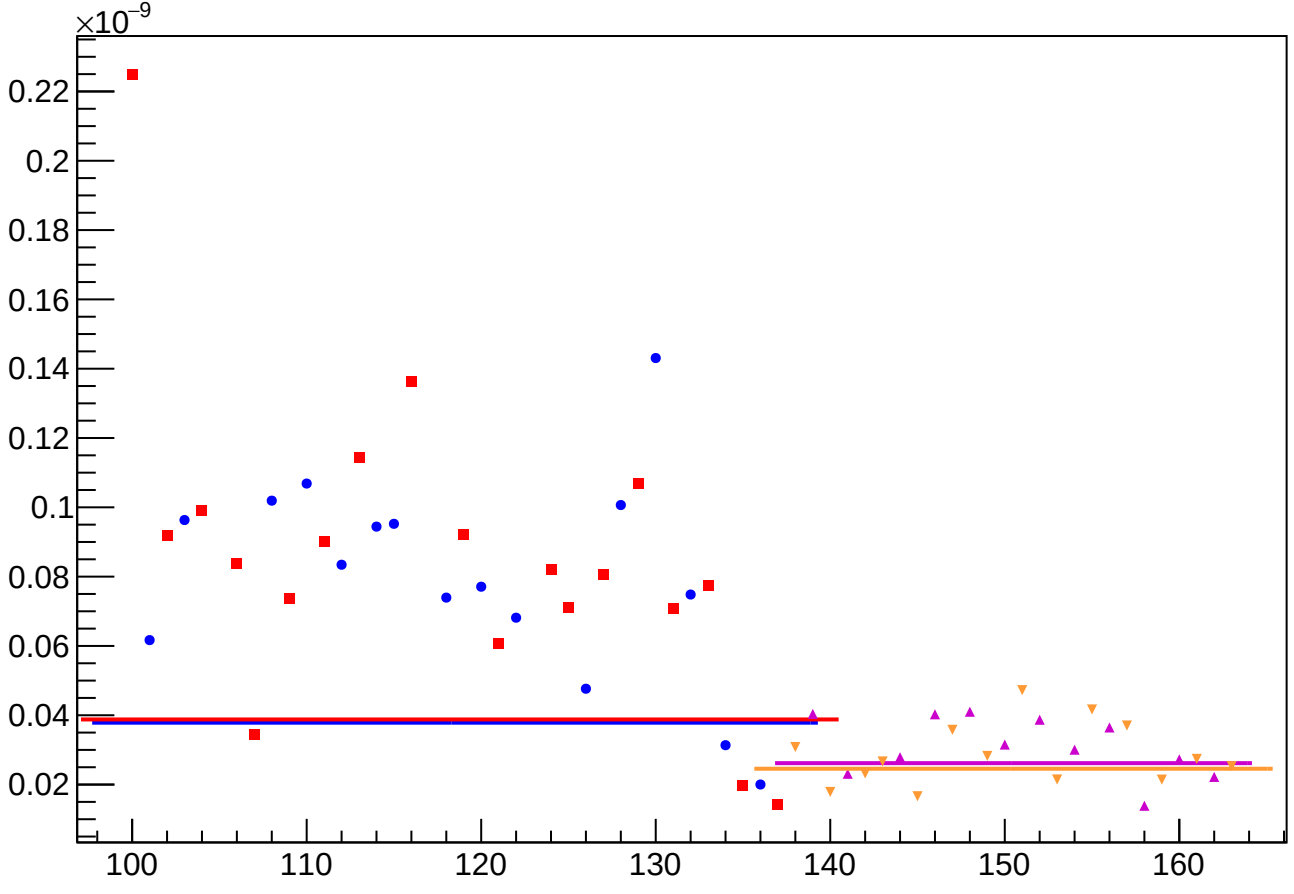
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/29

All: 0.000+/-0.000 χ^2/NDF: 71.5/60

- sign -0.000+/-0.000 χ^2/NDF: 45.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1309443.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

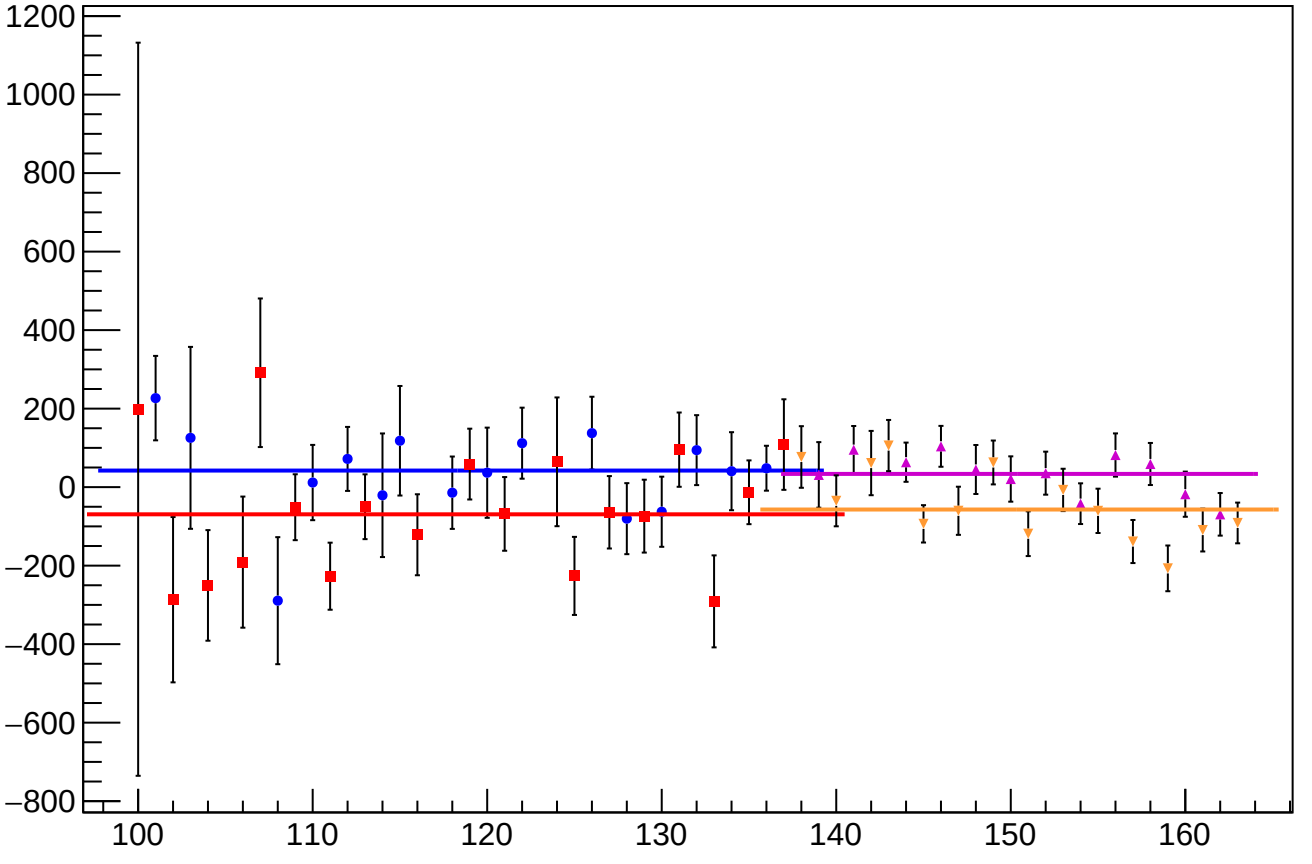
Left In: 0.000+/-0.000 χ^2/NDF:1552451.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 5462631.6/29

All: 0.000+/-0.000 χ^2/NDF: 11707506.6/60

- sign 0.000+/-0.000 χ^2/NDF: 6210329.5/30

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.041+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

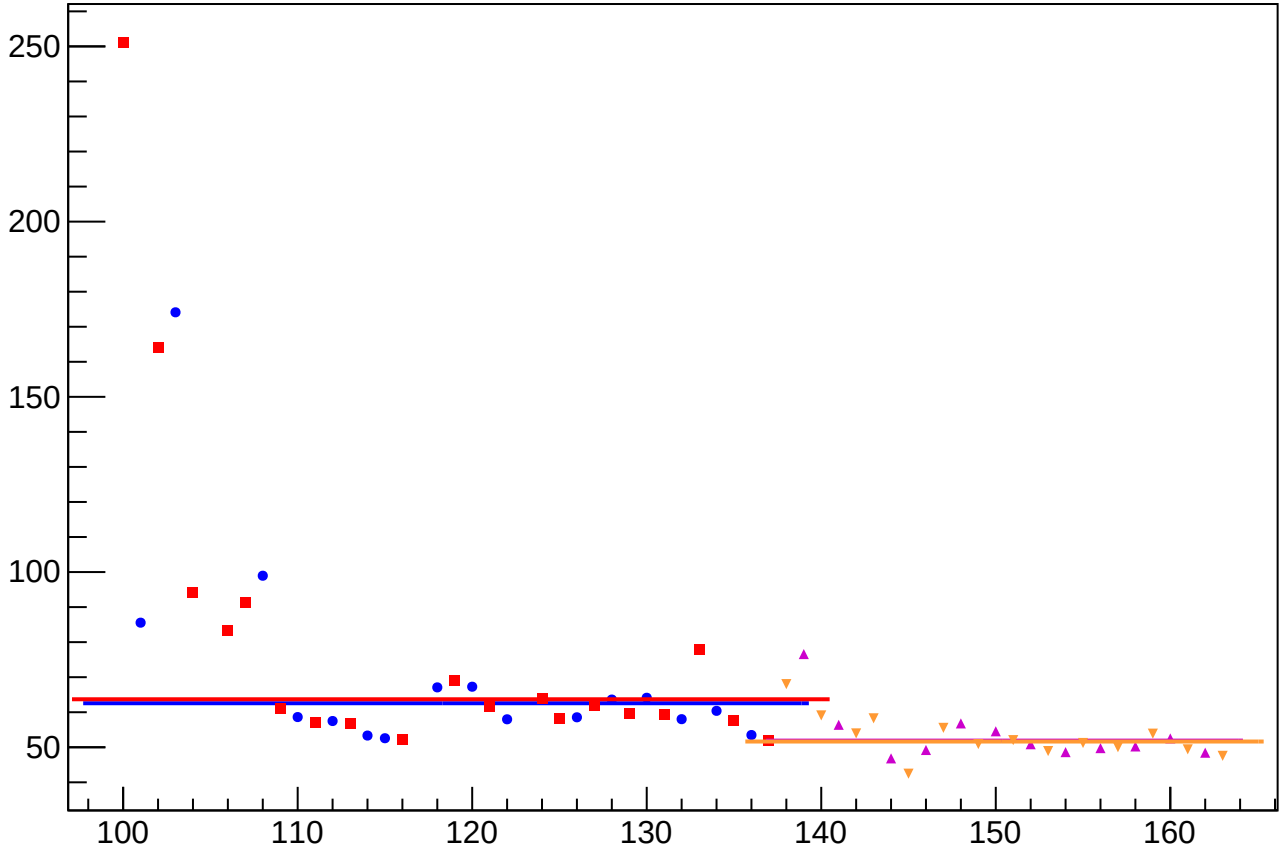
Left In: 33.674+/-16.290 χ^2/NDF:10.8/11

+ sign -27.930+/-13.109 χ^2/NDF: 54.2/29

All: -13.473+/-9.422 χ^2/NDF: 105.2/60

- sign 1.976+/-13.551 χ^2/NDF: 48.5/30

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

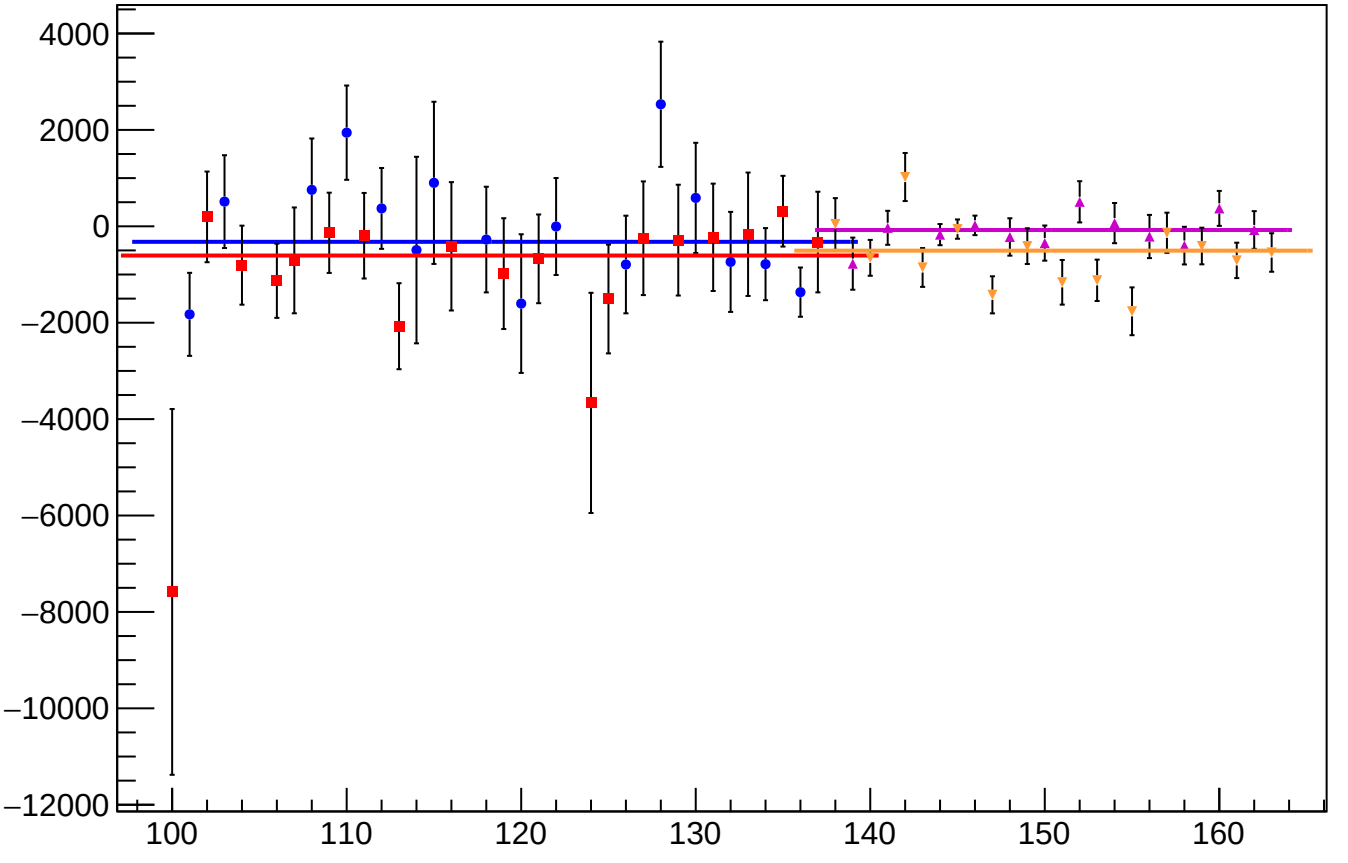
Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

+ sign 54.844+/-0.009 χ^2/NDF: 1290816.7/29

All: 55.177+/-0.007 χ^2/NDF: 2701489.3/60

- sign 55.533+/-0.010 χ^2/NDF: 1408002.2/30

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -504.855+/-99.830 χ^2/NDF:33.7/13

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

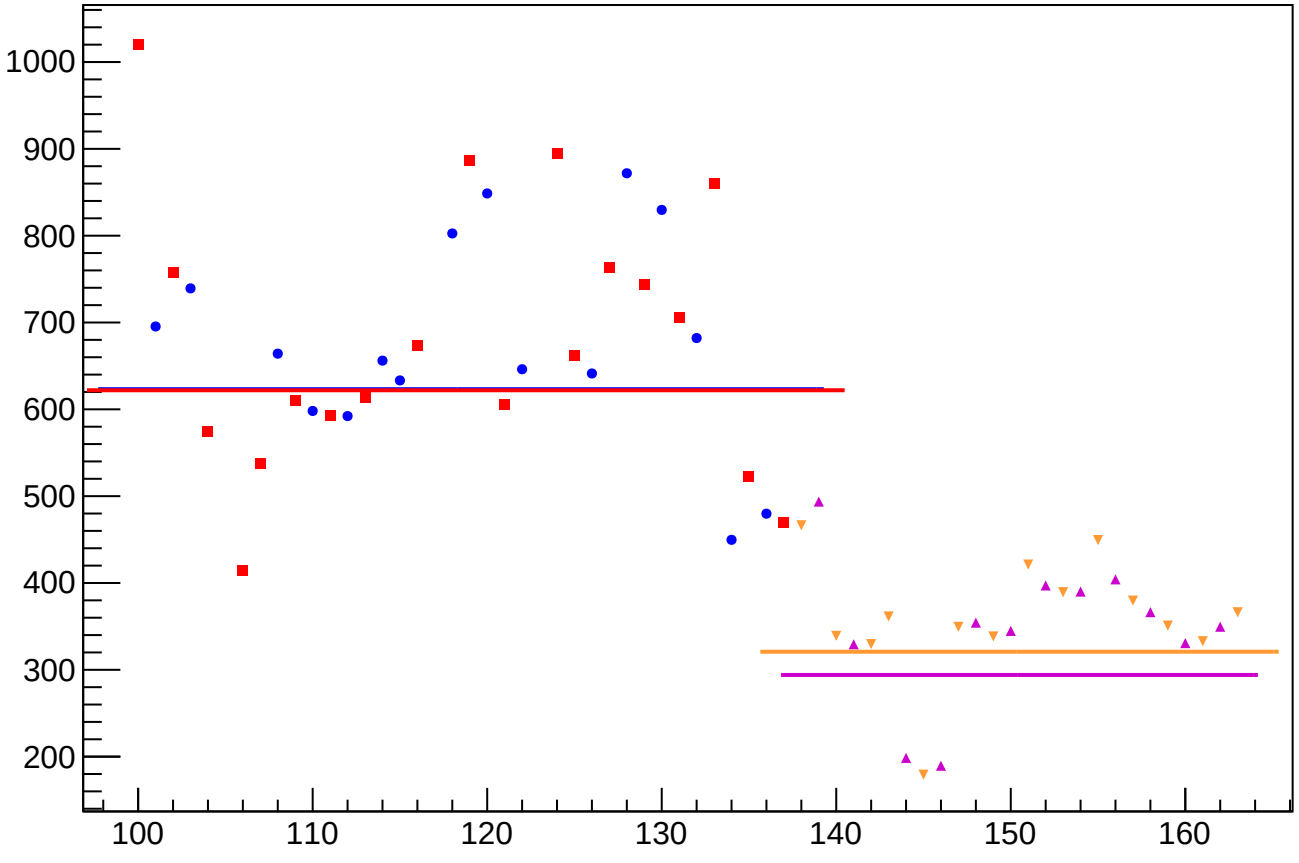
Left In: -76.857+/-96.396 χ^2/NDF:7.1/11

+ sign -477.540+/-92.088 χ^2/NDF: 56.9/29

All: -310.354+/-64.037 χ^2/NDF: 87.3/60

- sign -153.806+/-89.110 χ^2/NDF: 24.0/30

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 320.835+/-0.071 χ^2/NDF:1547576.0/13

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

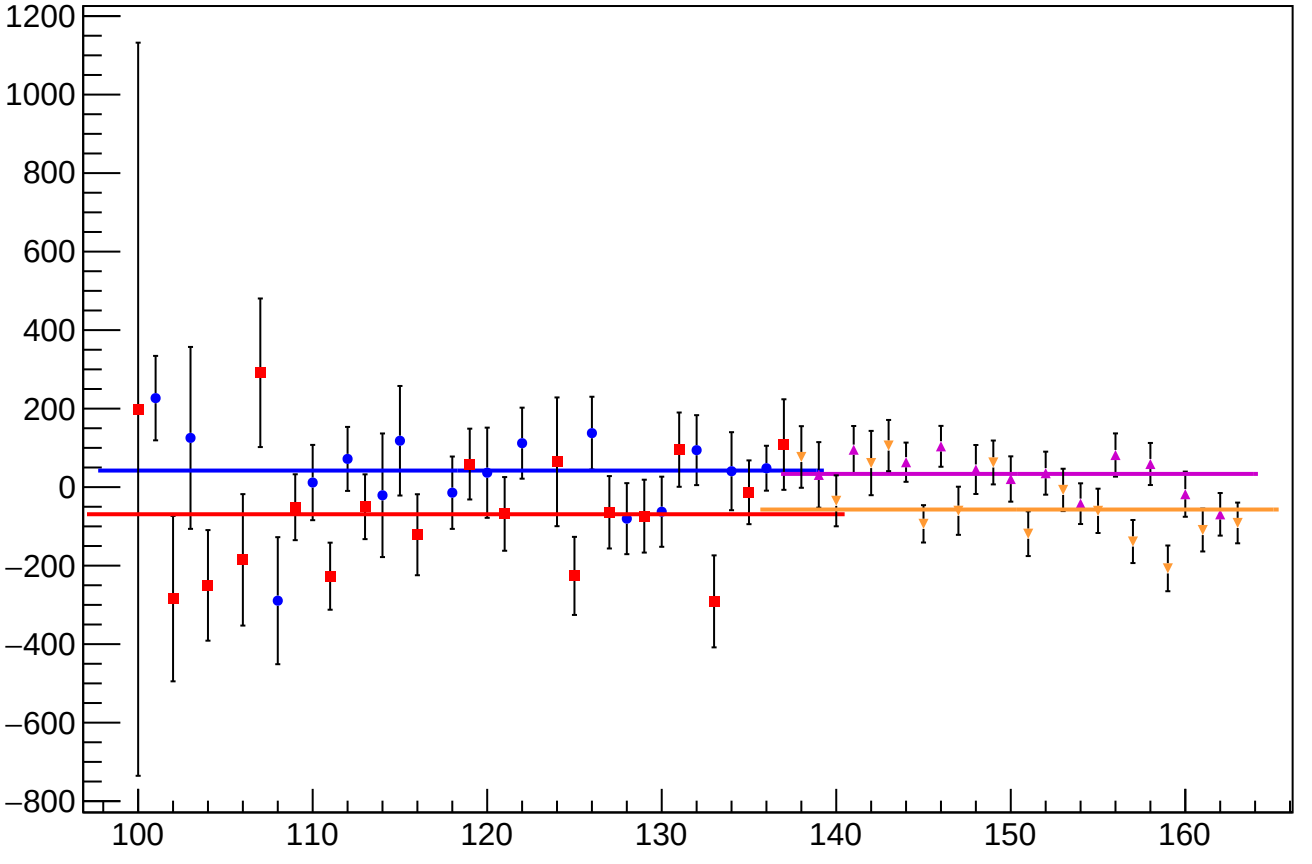
Left In: 294.091+/-0.068 χ^2/NDF:1763207.0/11

+ sign 365.916+/-0.065 χ^2/NDF: 4848392.7/29

All: 353.454+/-0.045 χ^2/NDF: 10630981.0/60

- sign 341.785+/-0.063 χ^2/NDF: 5711665.7/30

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

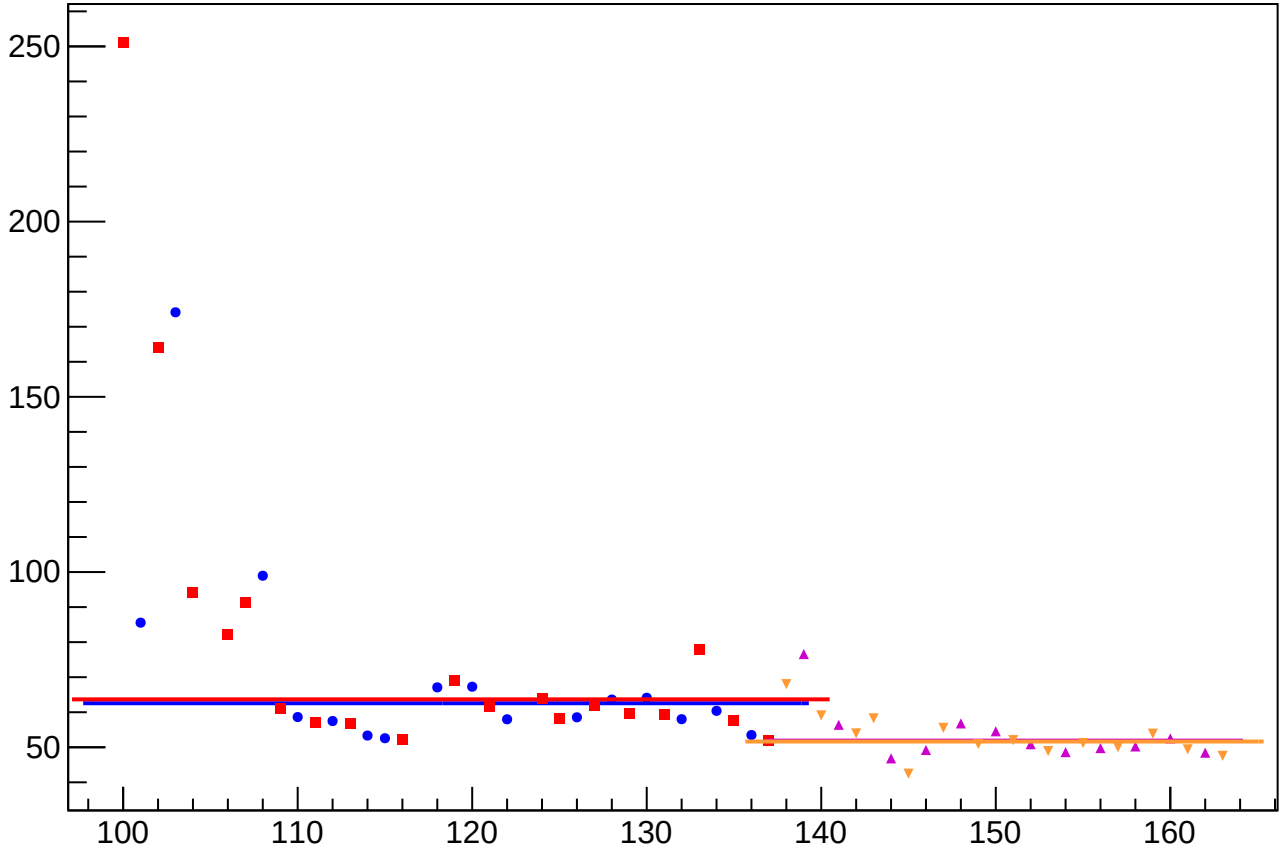
Left In: 33.673+/-16.290 χ^2/NDF:10.8/11

+ sign -27.931+/-13.109 χ^2/NDF: 54.2/29

All: -13.445+/-9.422 χ^2/NDF: 105.1/60

- sign 2.034+/-13.551 χ^2/NDF: 48.4/30

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

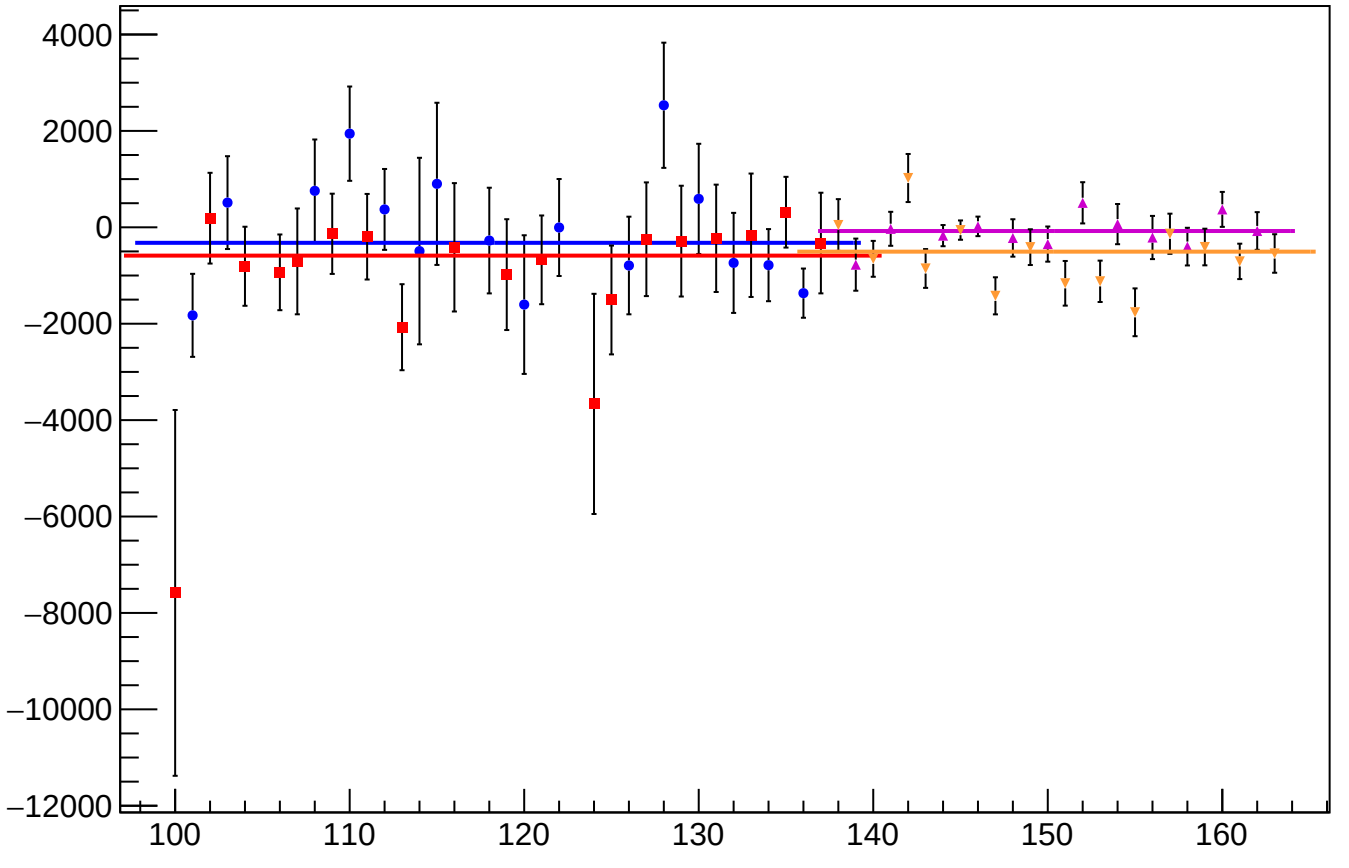
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

+ sign 54.844+/-0.009 χ^2/NDF: 1290818.7/29

All: 55.174+/-0.007 χ^2/NDF: 2697335.8/60

- sign 55.526+/-0.010 χ^2/NDF: 1403906.4/30



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -504.851+/-99.830 χ^2/NDF:33.7/13

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

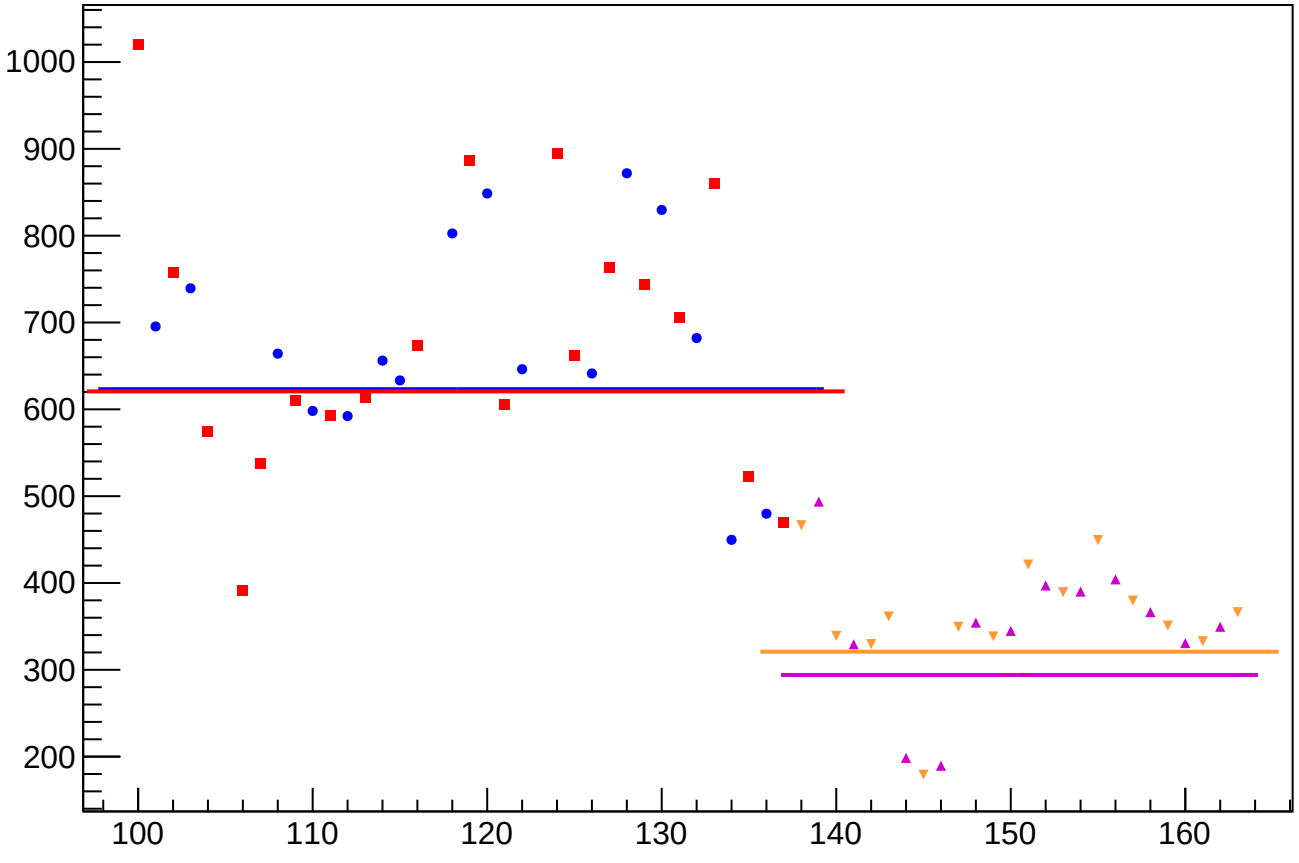
Left In: -76.860+/-96.396 χ^2/NDF:7.1/11

+ sign -477.537+/-92.088 χ^2/NDF: 56.9/29

All: -308.876+/-64.046 χ^2/NDF: 86.8/60

- sign -150.861+/-89.134 χ^2/NDF: 23.3/30

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

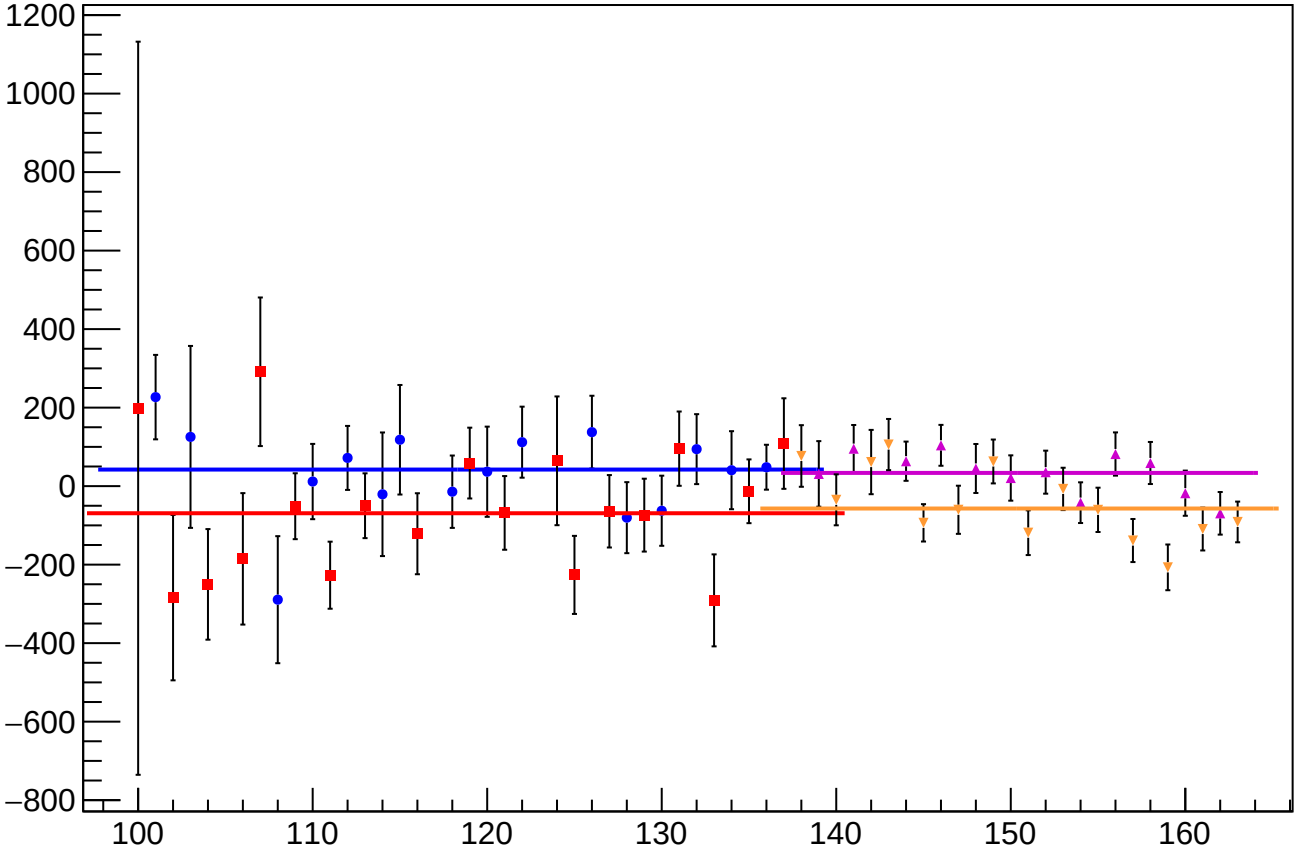
Left In: 294.090+/-0.068 χ^2/NDF:1763213.1/11

+ sign 365.915+/-0.065 χ^2/NDF: 4848461.4/29

All: 353.281+/-0.045 χ^2/NDF: 10623671.2/60

- sign 341.444+/-0.063 χ^2/NDF: 5702289.0/30

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

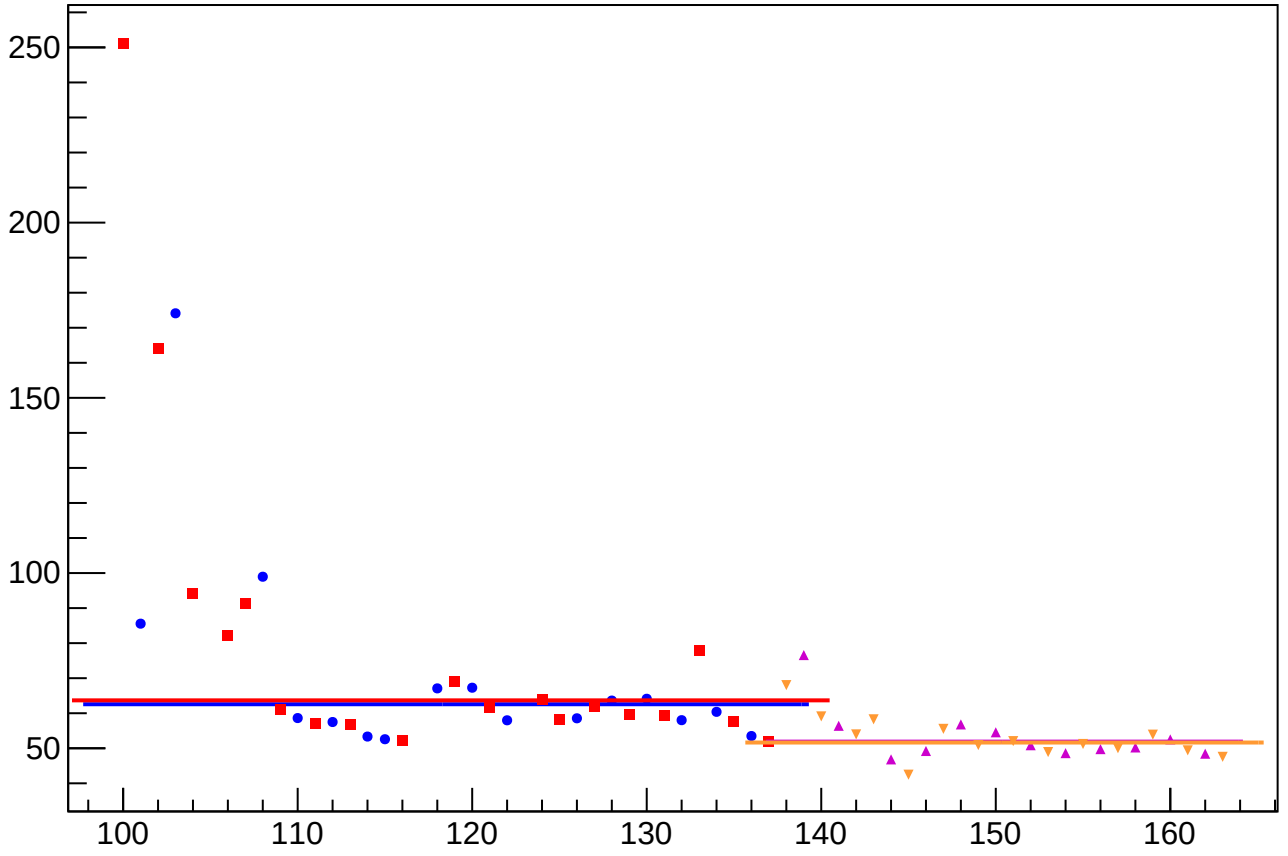
Left In: 33.673+/-16.290 χ^2/NDF:10.8/11

+ sign -27.931+/-13.109 χ^2/NDF: 54.2/29

All: -13.445+/-9.422 χ^2/NDF: 105.1/60

- sign 2.034+/-13.551 χ^2/NDF: 48.4/30

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

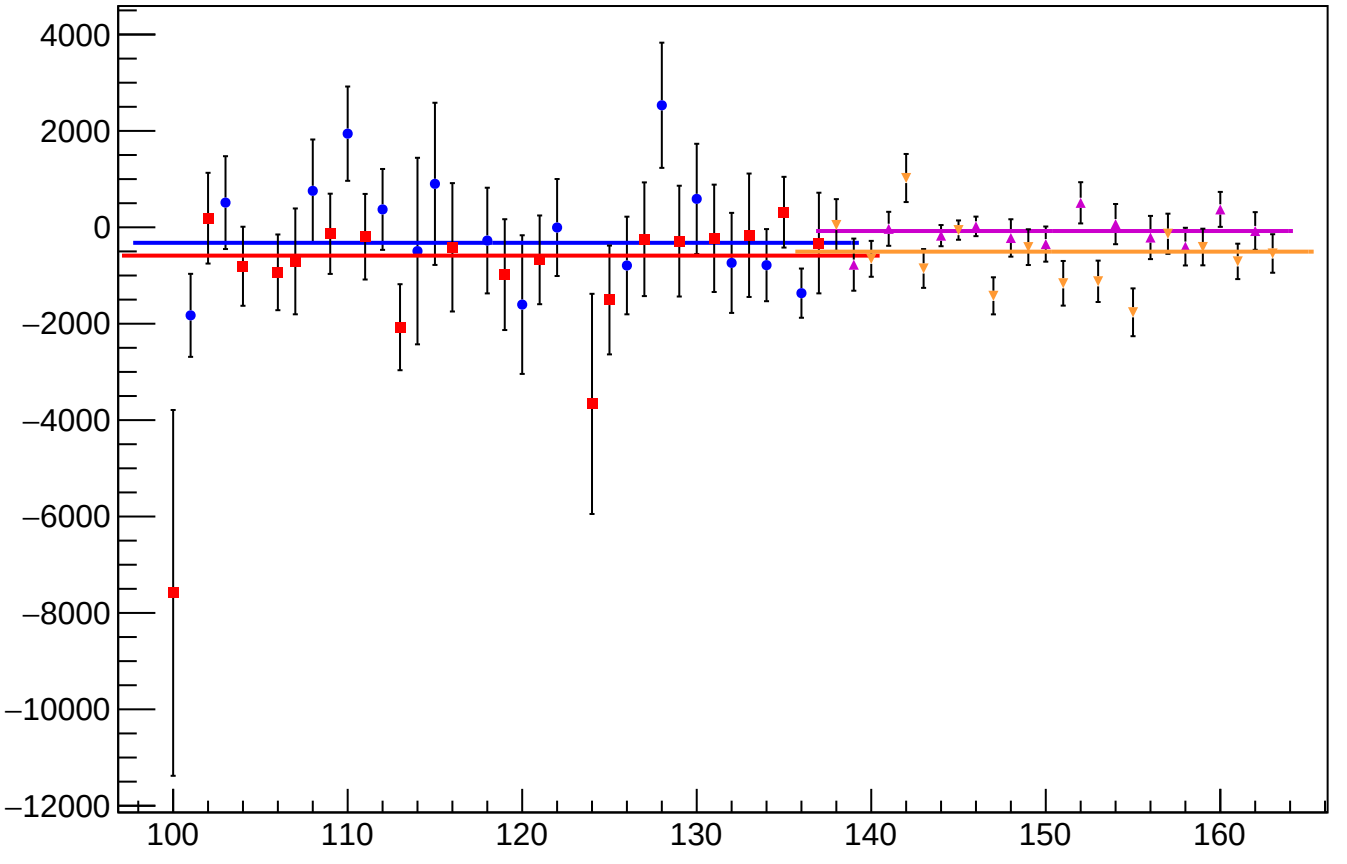
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

+ sign 54.844+/-0.009 χ^2/NDF: 1290818.7/29

All: 55.174+/-0.007 χ^2/NDF: 2697335.8/60

- sign 55.526+/-0.010 χ^2/NDF: 1403906.4/30



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -504.851+/-99.830 χ^2/NDF:33.7/13

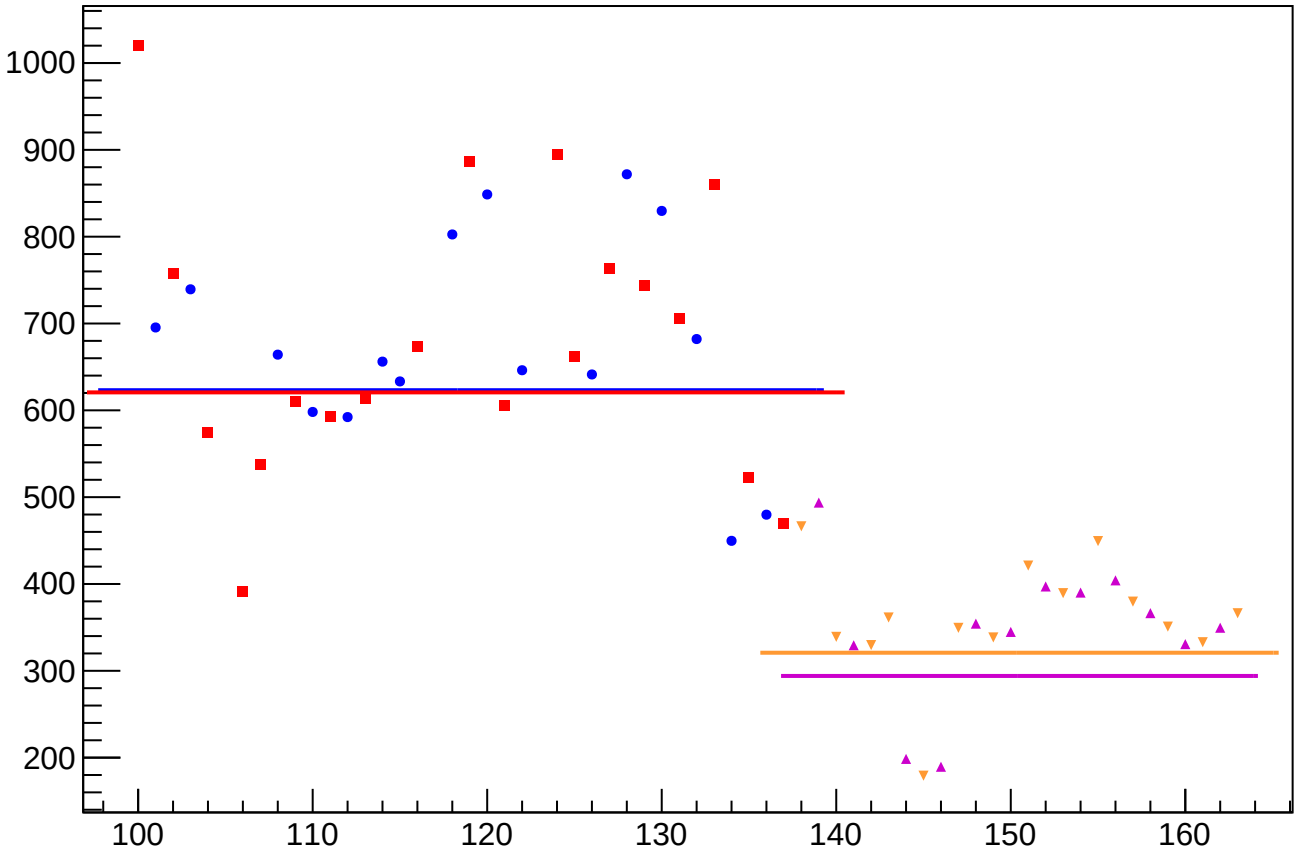
Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: -76.860+/-96.396 χ^2/NDF:7.1/11

+ sign -477.537+/-92.088 χ^2/NDF: 56.9/29

All: -308.876+/-64.046 χ^2/NDF: 86.8/60

- sign -150.861+/-89.134 χ^2/NDF: 23.3/30



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

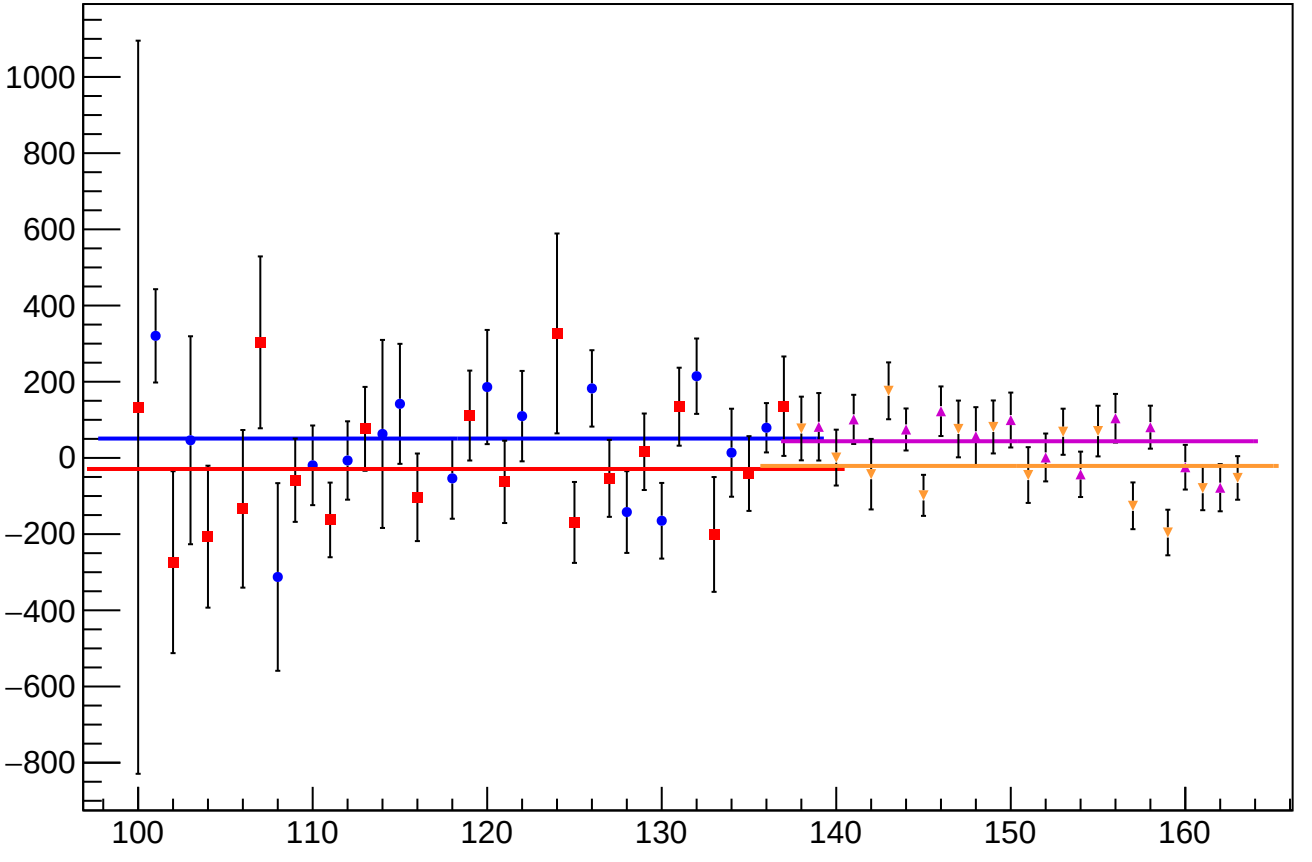
Left In: 294.090+/-0.068 χ^2/NDF:1763213.1/11

+ sign 365.915+/-0.065 χ^2/NDF: 4848461.4/29

All: 353.281+/-0.045 χ^2/NDF: 10623671.2/60

- sign 341.444+/-0.063 χ^2/NDF: 5702289.0/30

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.004+/-17.698 χ^2/NDF:31.4/13

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

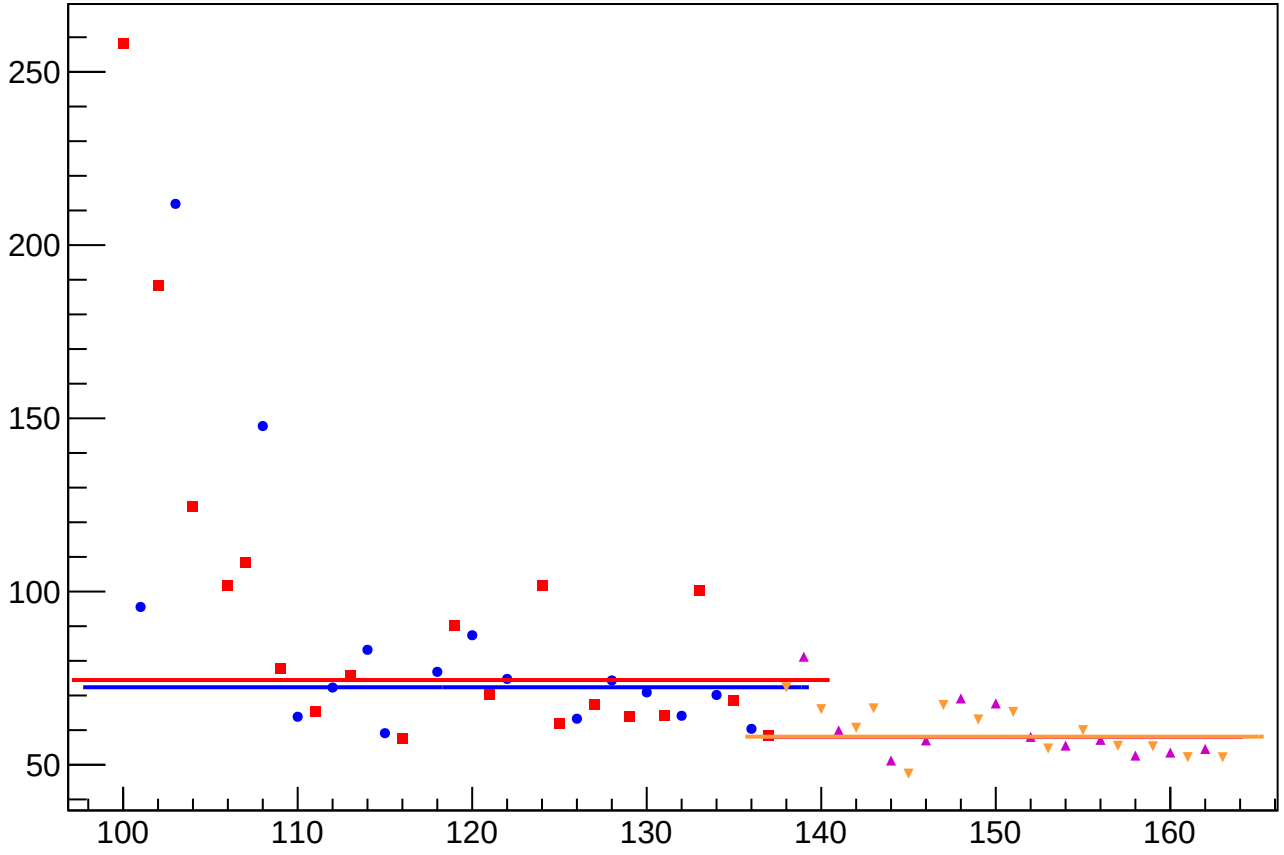
Left In: 43.777+/-18.434 χ^2/NDF:12.5/11

+ sign -0.822+/-15.008 χ^2/NDF: 58.9/29

All: 10.541+/-10.796 χ^2/NDF: 95.6/60

- sign 22.729+/-15.543 χ^2/NDF: 35.5/30

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.120+/-0.013 χ^2/NDF:303737.1/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

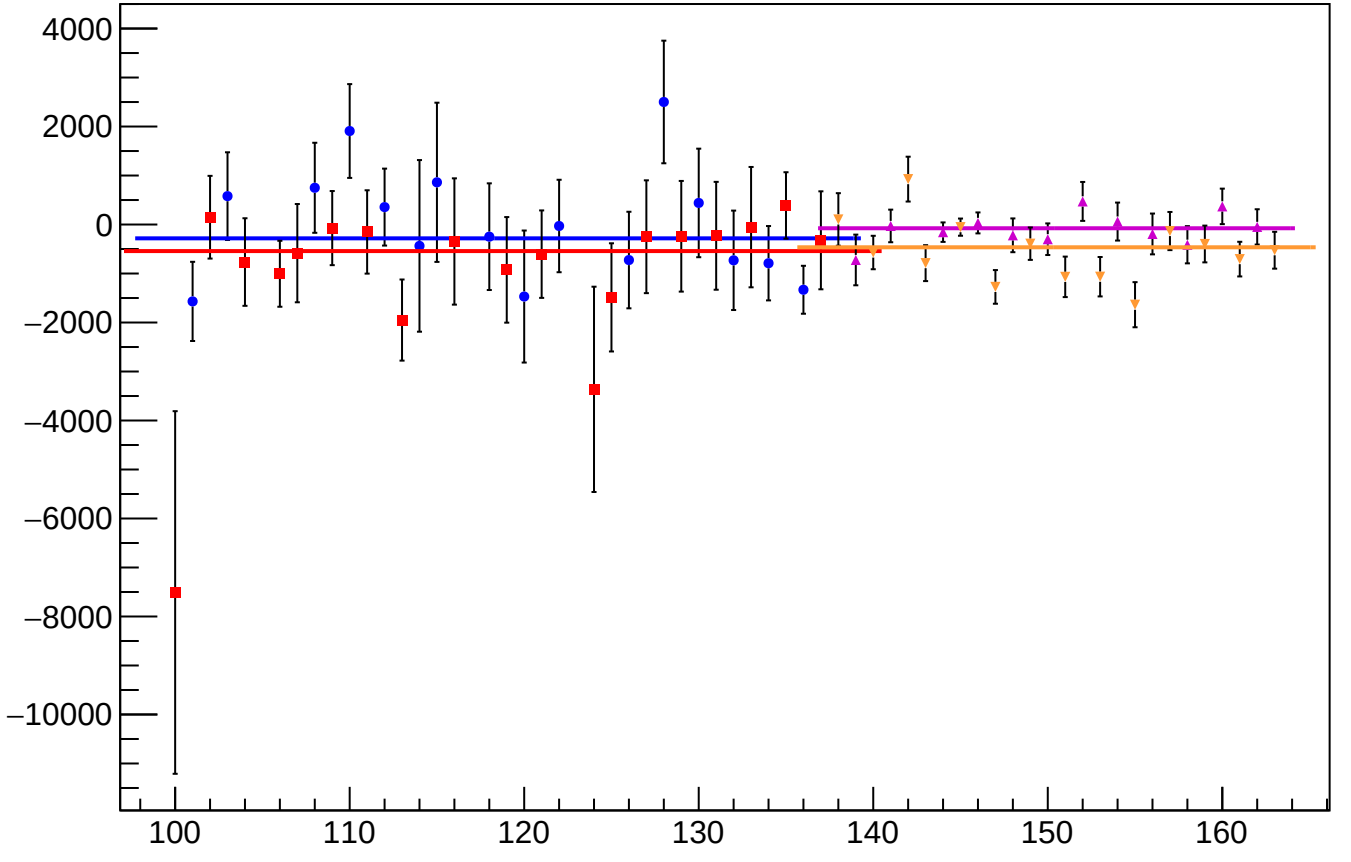
Left In: 58.005+/-0.013 χ^2/NDF:287915.5/11

+ sign 62.125+/-0.011 χ^2/NDF: 1606549.9/29

All: 62.432+/-0.008 χ^2/NDF: 3409357.9/60

- sign 62.762+/-0.011 χ^2/NDF: 1801067.6/30

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

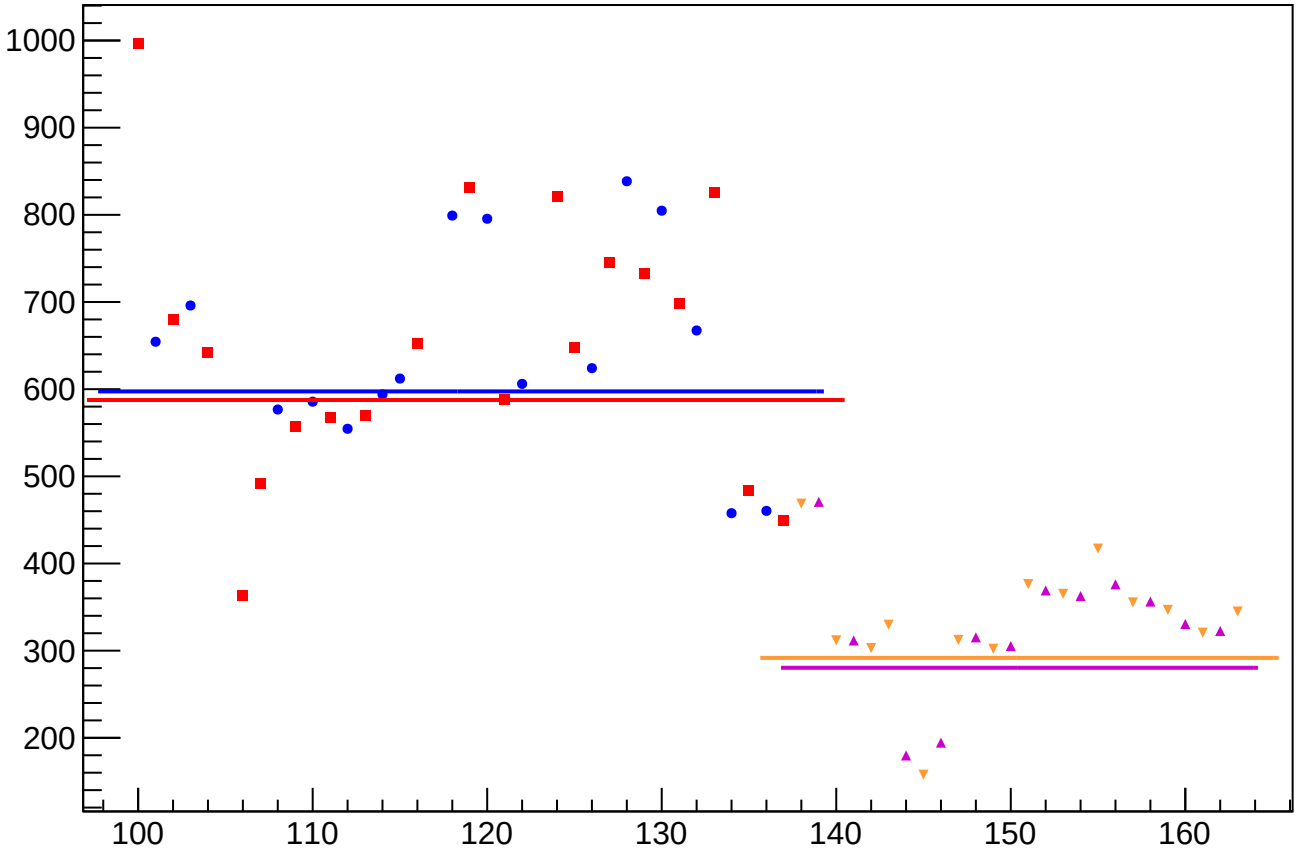
Left In: -76.222+/-91.661 χ^2/NDF:7.1/11

+ sign -439.333+/-84.758 χ^2/NDF: 57.8/29

All: -291.820+/-59.899 χ^2/NDF: 87.9/60

- sign -144.641+/-84.662 χ^2/NDF: 24.1/30

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872314.0/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

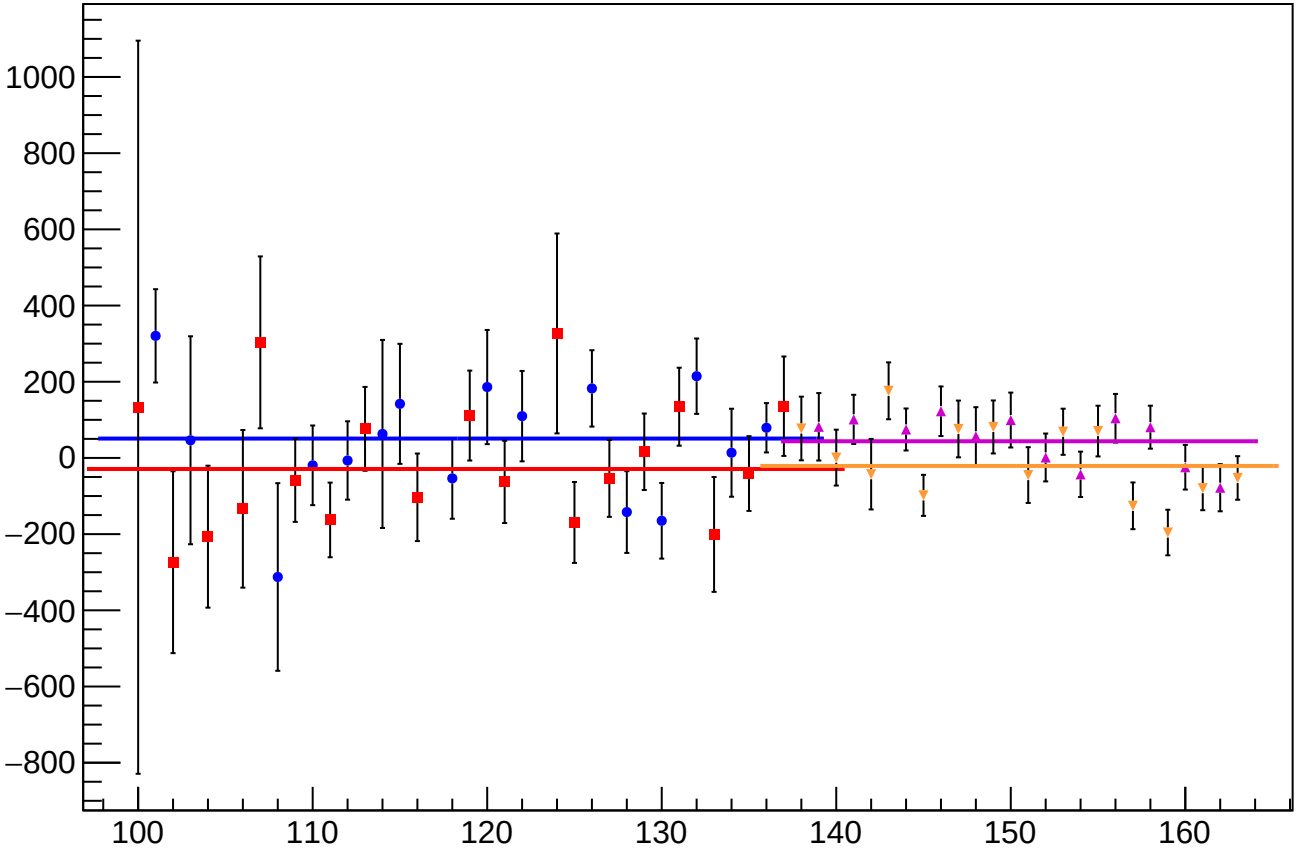
Left In: 280.383+/-0.065 χ^2/NDF:1597919.5/11

+ sign 334.056+/-0.060 χ^2/NDF: 5509645.6/29

All: 329.774+/-0.042 χ^2/NDF: 11106107.0/60

- sign 325.503+/-0.060 χ^2/NDF: 5586266.7/30

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.003+/-17.698 χ^2/NDF:31.4/13

Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

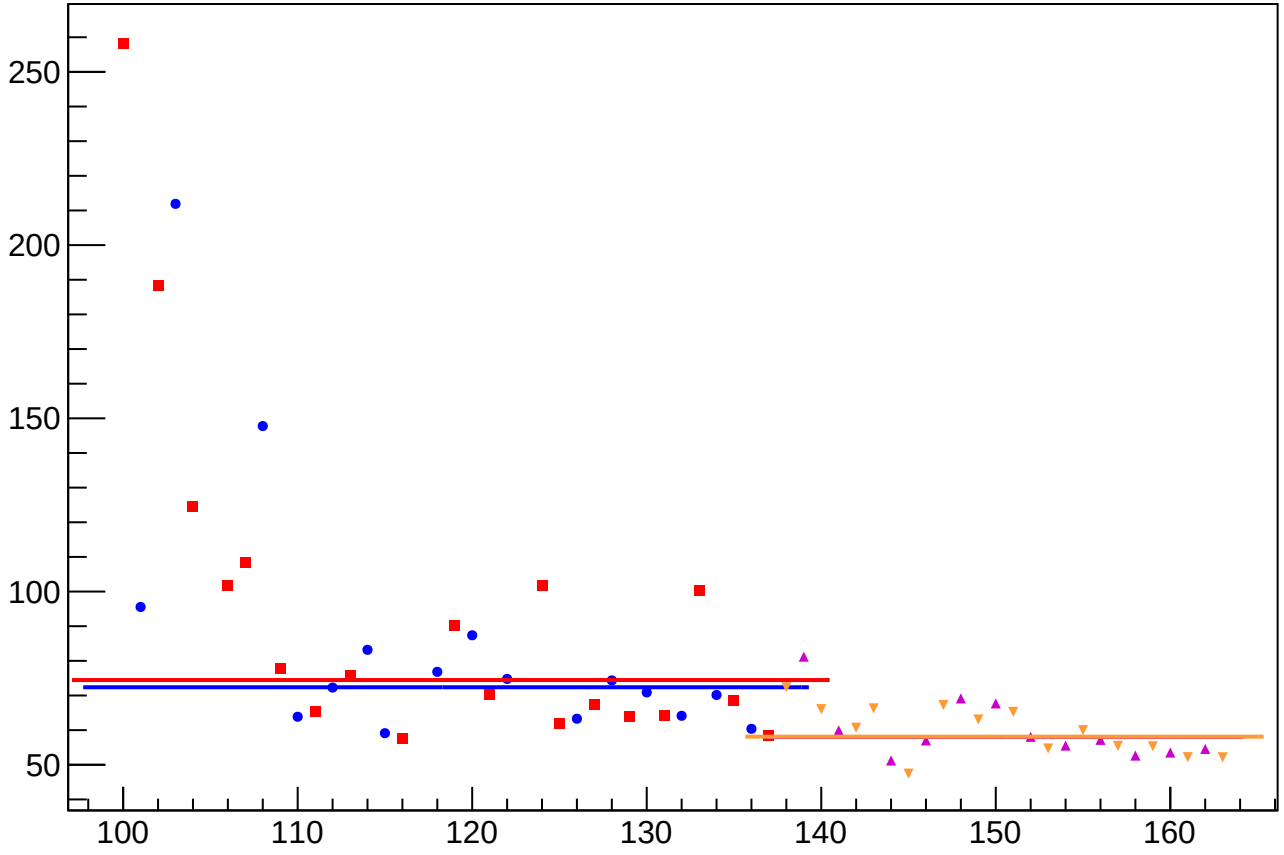
Left In: 43.777+/-18.434 χ^2/NDF:12.5/11

\+ sign -0.822+/-15.008 χ^2/NDF: 58.9/29

All: 10.541+/-10.796 χ^2/NDF: 95.6/60

\- sign 22.729+/-15.543 χ^2/NDF: 35.5/30

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.120+/-0.013 χ^2/NDF:303751.3/13

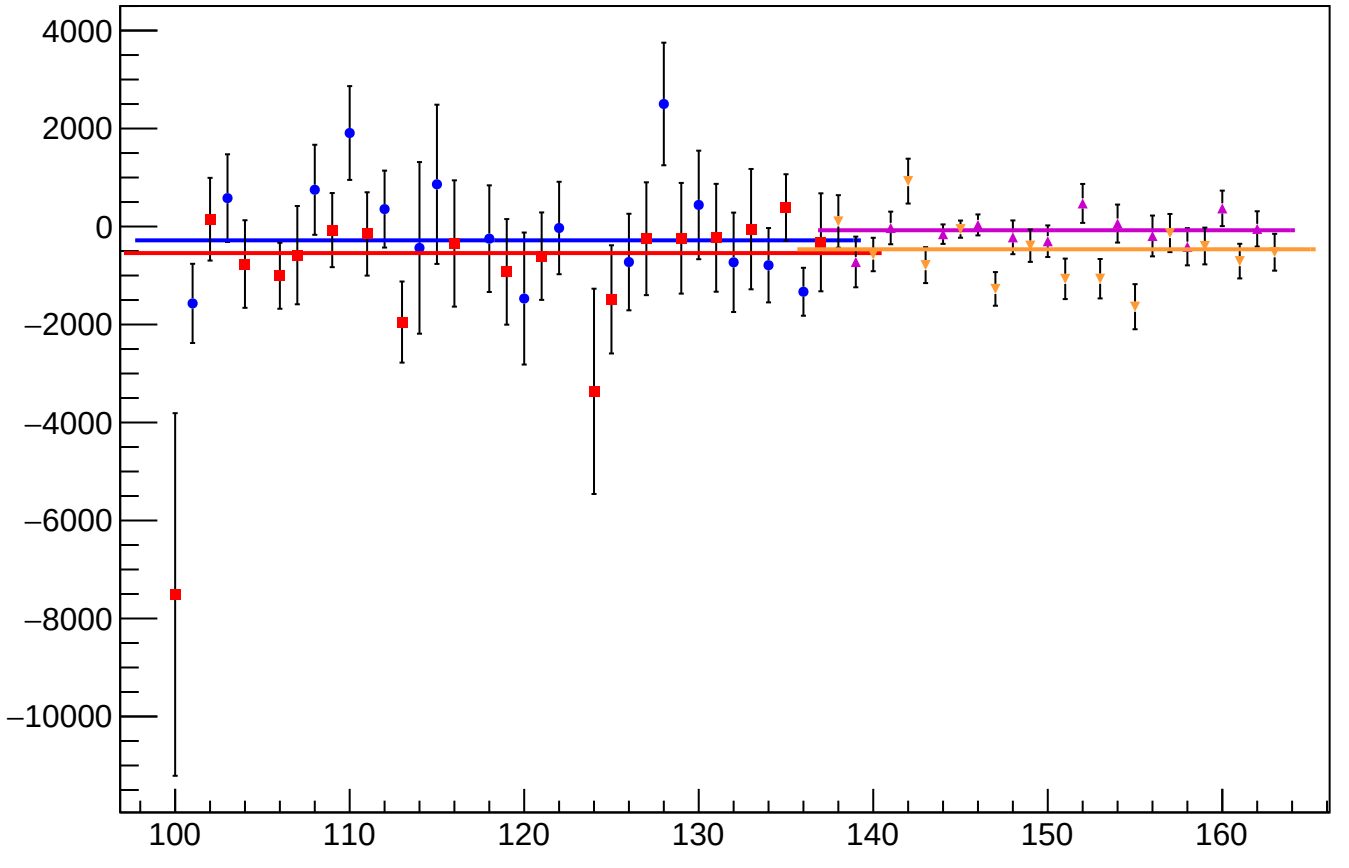
Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.005+/-0.013 χ^2/NDF:287919.5/11

+ sign 62.125+/-0.011 χ^2/NDF: 1606552.5/29

All: 62.433+/-0.008 χ^2/NDF: 3409345.4/60

- sign 62.762+/-0.011 χ^2/NDF: 1801052.5/30



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

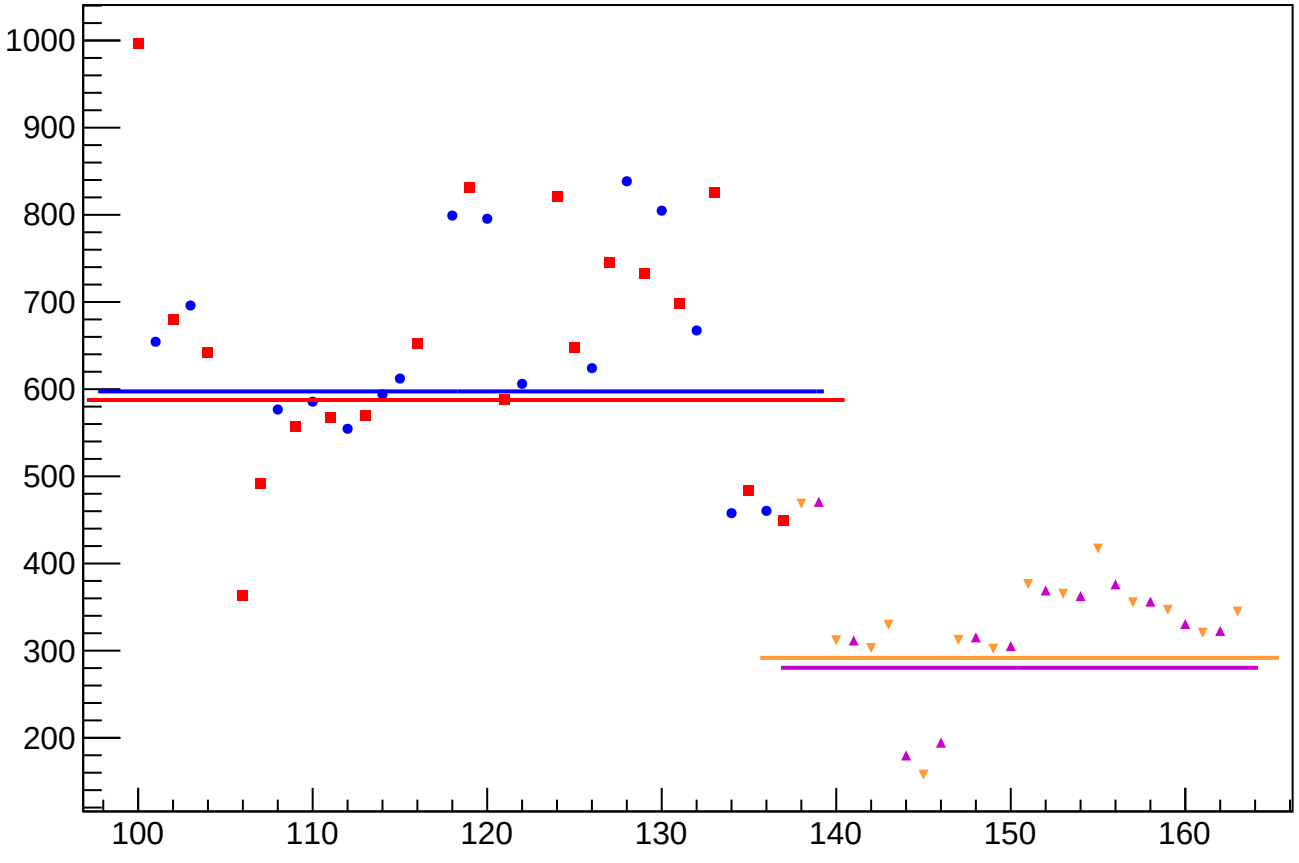
Left In: -76.222+/-91.661 χ^2/NDF:7.1/11

+ sign -439.333+/-84.758 χ^2/NDF: 57.8/29

All: -291.820+/-59.899 χ^2/NDF: 87.9/60

- sign -144.641+/-84.662 χ^2/NDF: 24.1/30

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872303.1/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

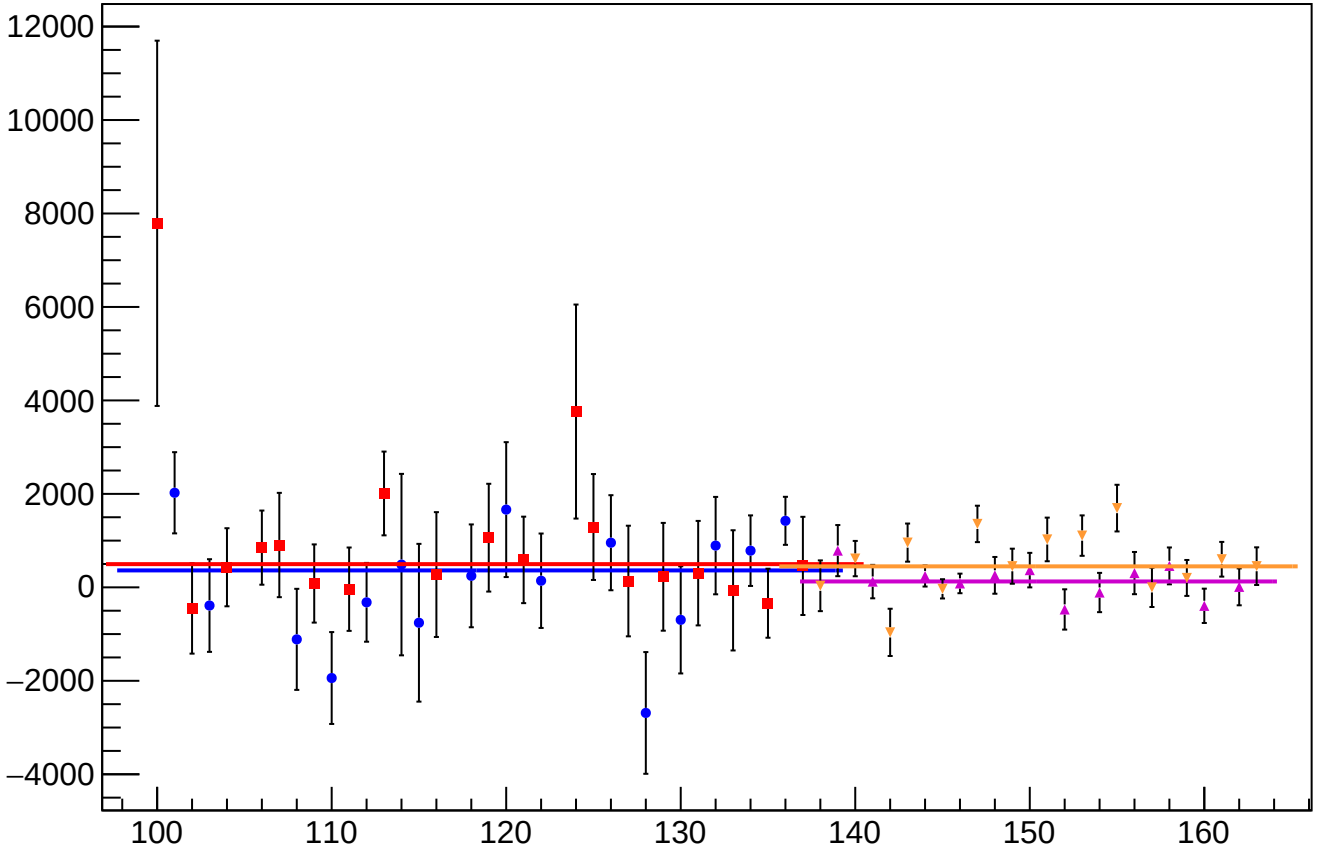
Left In: 280.383+/-0.065 χ^2/NDF:1597912.7/11

+ sign 334.055+/-0.060 χ^2/NDF: 5509641.8/29

All: 329.774+/-0.042 χ^2/NDF: 11106098.6/60

- sign 325.502+/-0.060 χ^2/NDF: 5586261.9/30

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 449.213+/-101.352 χ^2/NDF:32.8/13

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

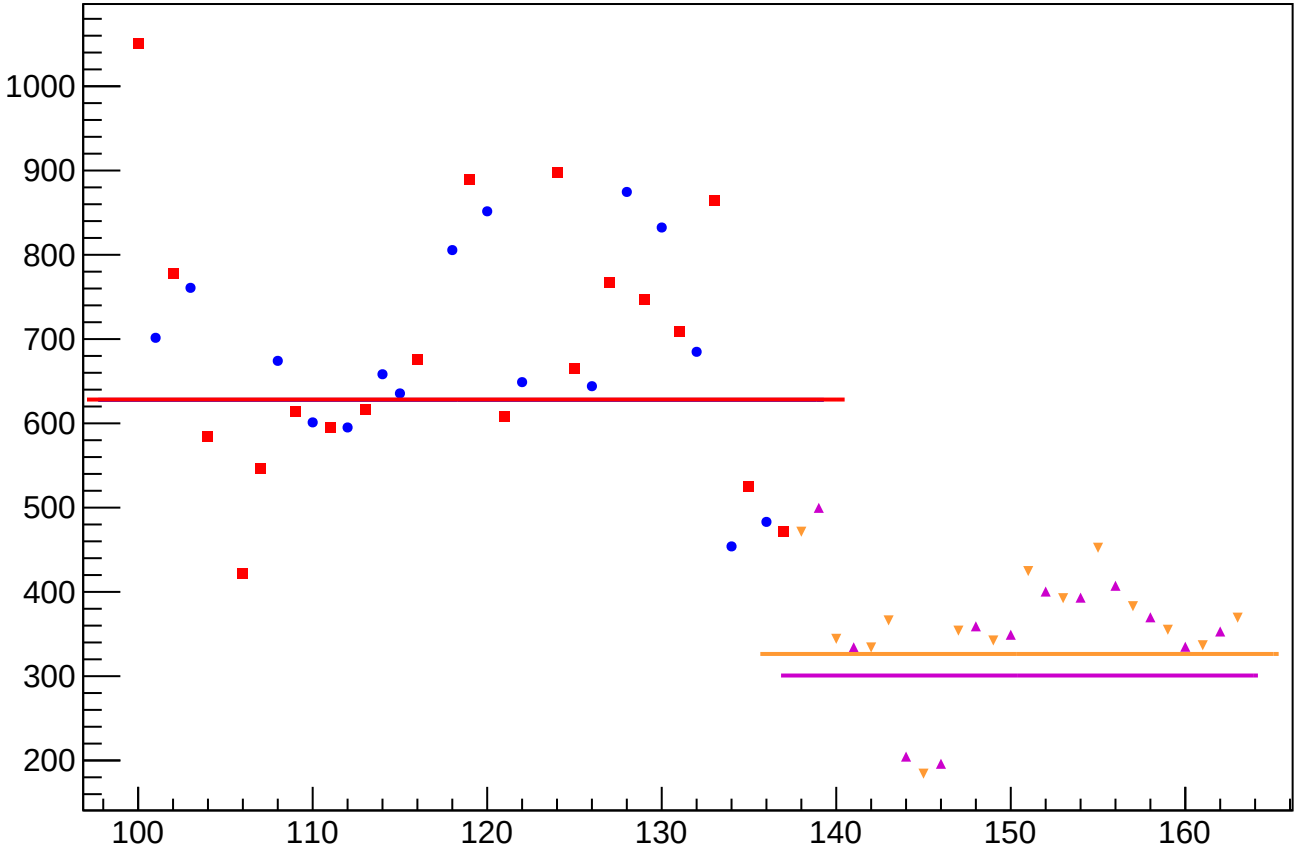
Left In: 125.949+/-98.268 χ^2/NDF:7.5/11

+ sign 436.100+/-93.385 χ^2/NDF: 58.0/29

All: 304.707+/-65.070 χ^2/NDF: 84.2/60

- sign 180.711+/-90.719 χ^2/NDF: 22.3/30

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 326.373+/-0.072 χ^2/NDF:1466231.8/13

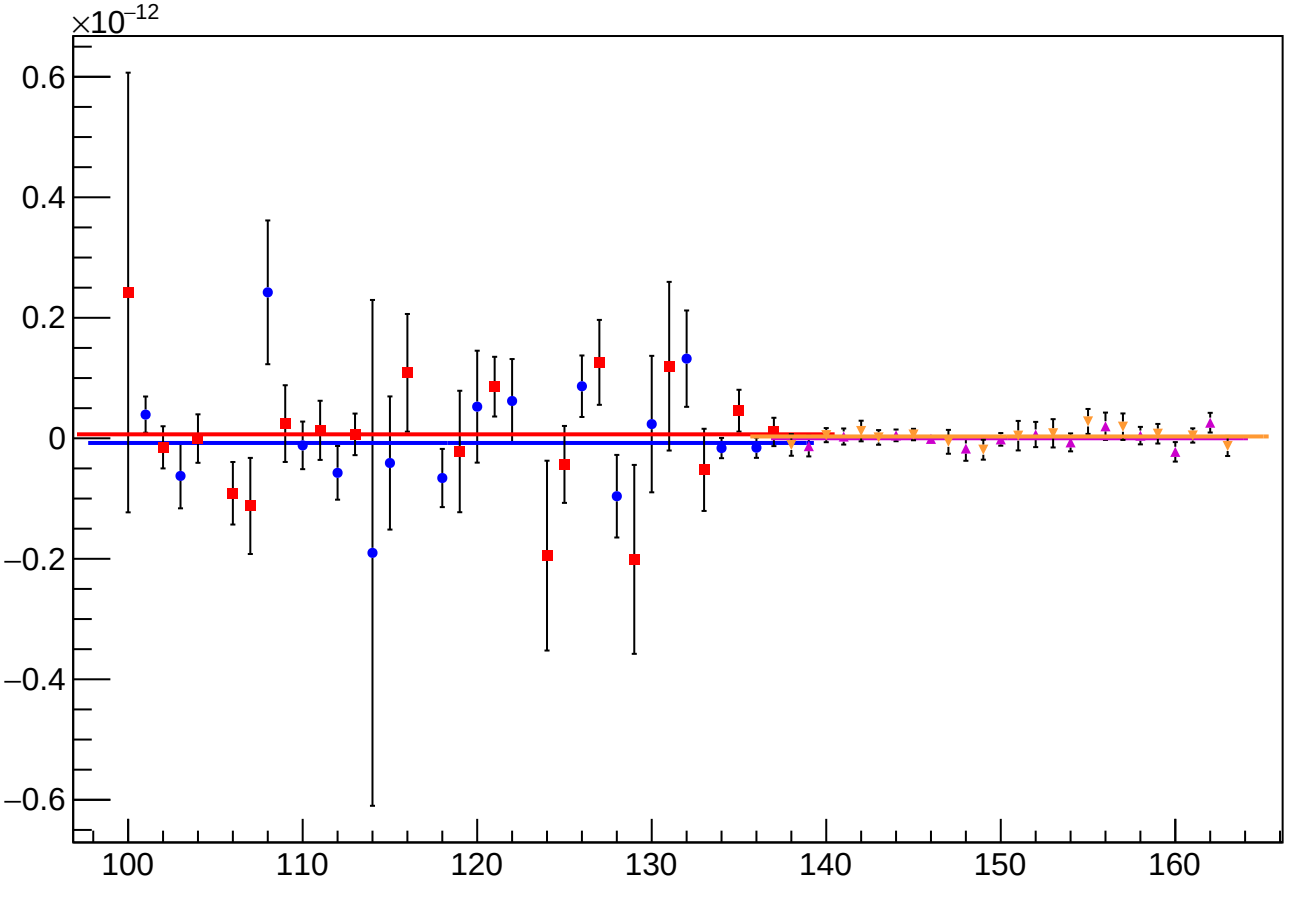
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 300.782+/-0.069 χ^2/NDF:1651548.6/11

+ sign 371.910+/-0.066 χ^2/NDF: 4706334.4/29

All: 360.205+/-0.046 χ^2/NDF: 10271008.4/60

- sign 349.158+/-0.064 χ^2/NDF: 5503601.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/13

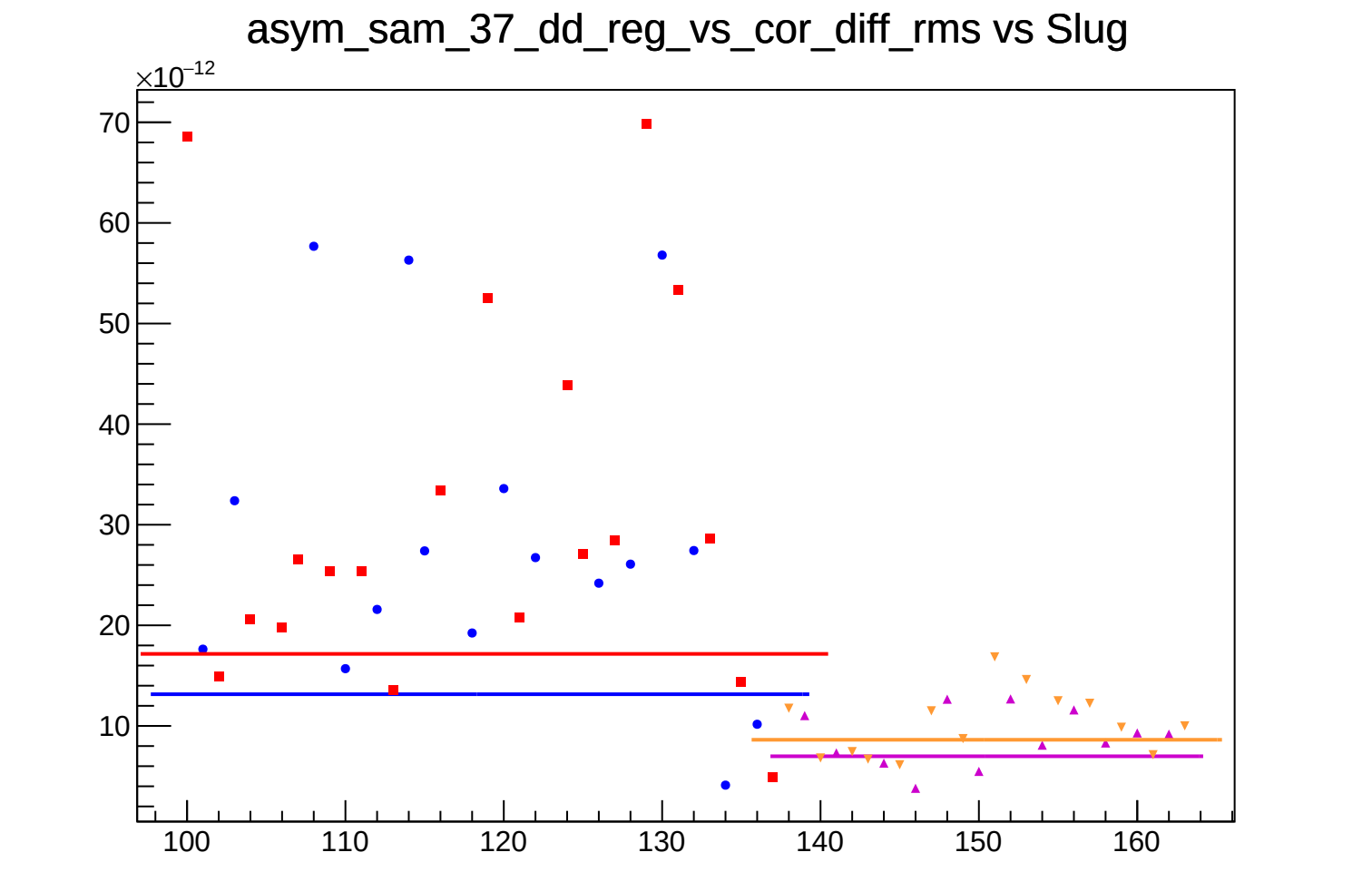
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/29

All: 0.000+/-0.000 χ^2/NDF: 55.7/60

- sign 0.000+/-0.000 χ^2/NDF: 27.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:885084.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

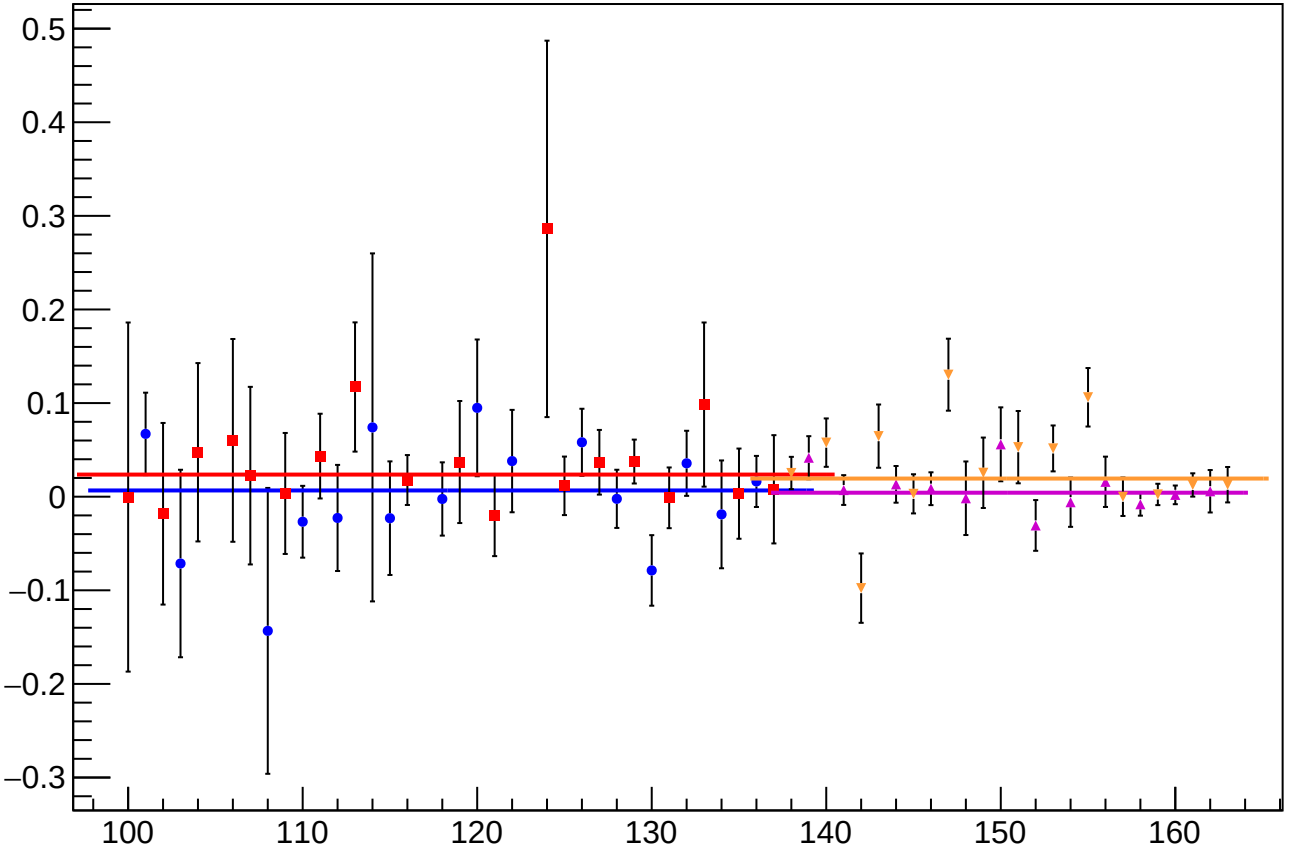
Left In: 0.000+/-0.000 χ^2/NDF:1029389.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 3360721.0/29

All: 0.000+/-0.000 χ^2/NDF: 7585588.0/60

- sign 0.000+/-0.000 χ^2/NDF: 4082218.9/30

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: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

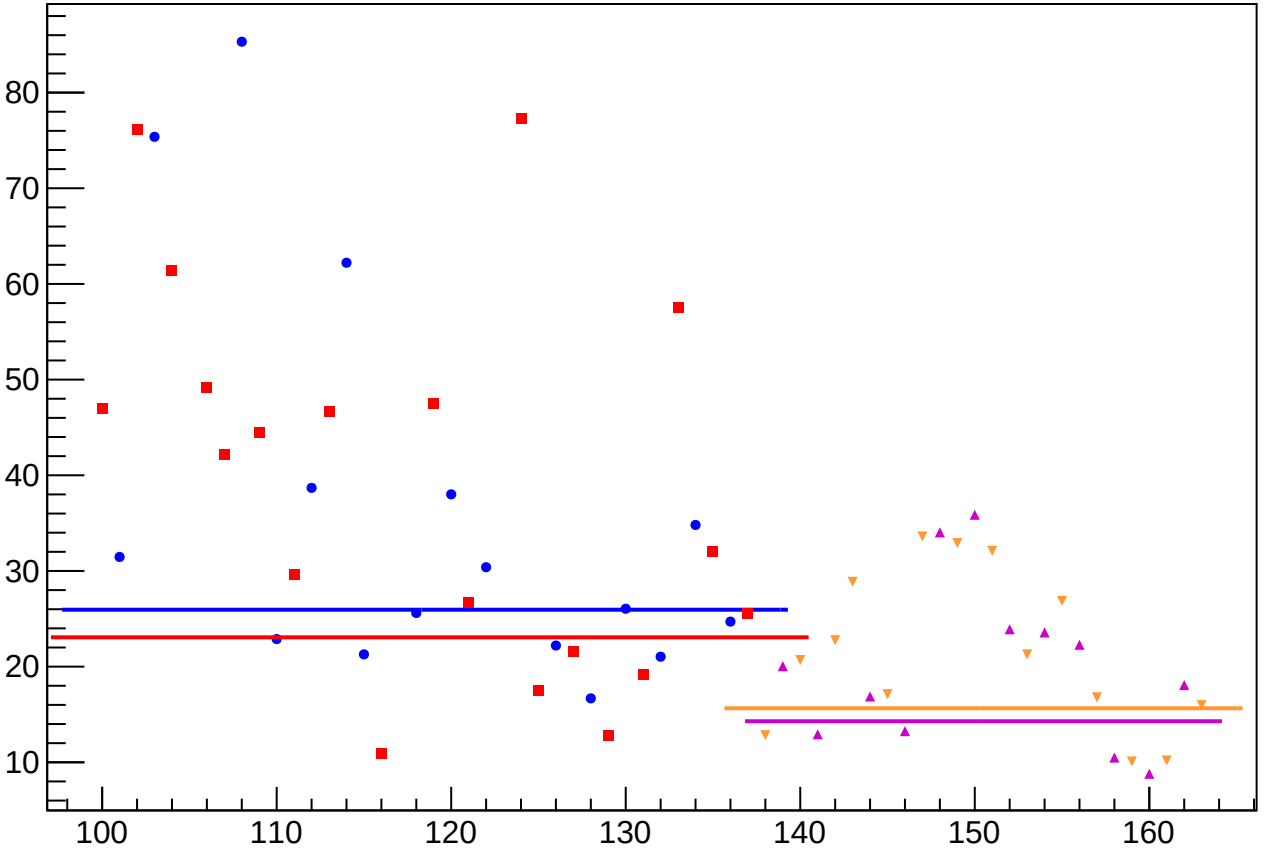
Left In: 0.004+/-0.005 χ^2/NDF:7.8/11

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.012+/-0.003 χ^2/NDF: 72.4/60

- sign 0.008+/-0.005 χ^2/NDF: 18.0/30

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: 15.648+/-0.004 χ^2/NDF:2969732.6/13

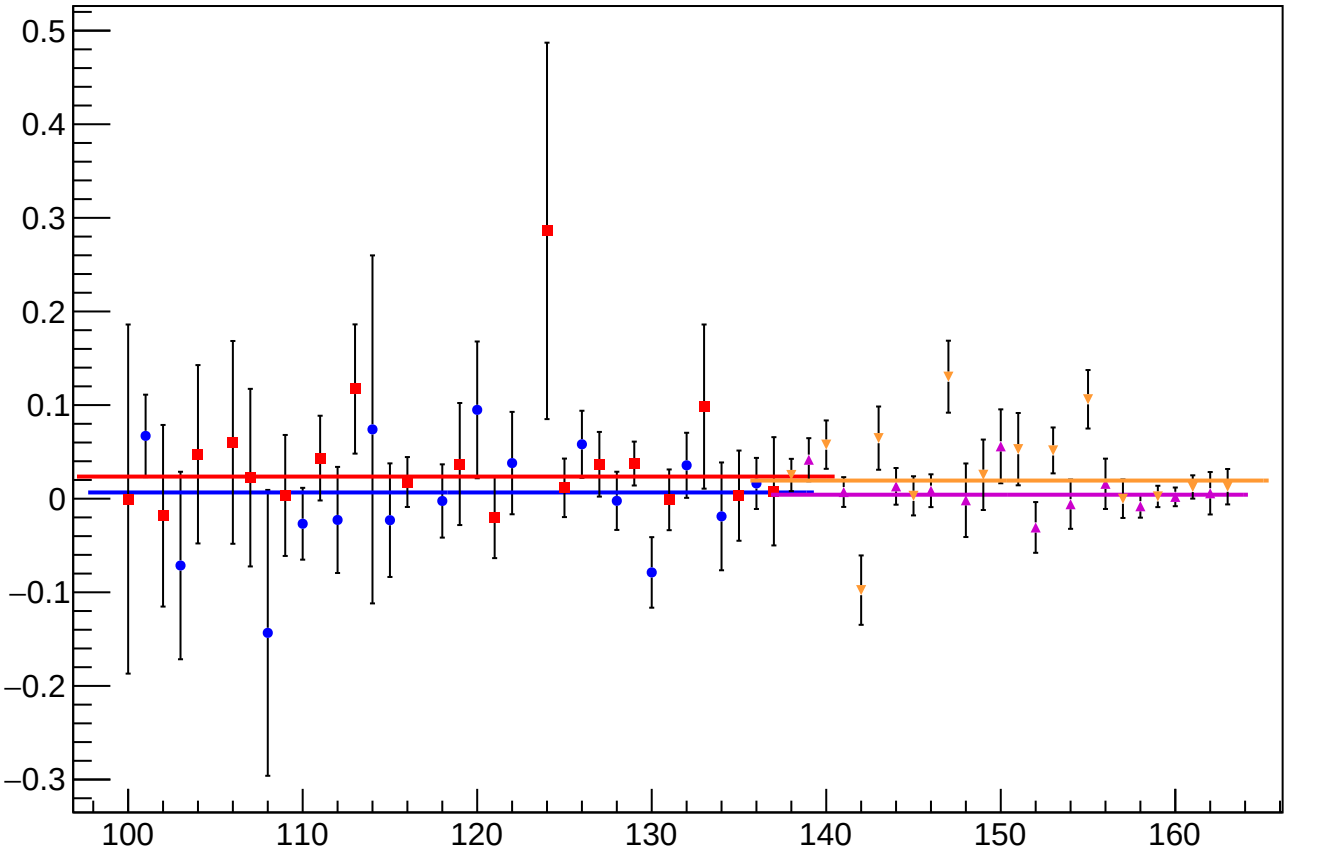
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.291+/-0.004 χ^2/NDF:2815737.9/11

\+ sign 17.692+/-0.003 χ^2/NDF: 5732246.9/29

All: 16.838+/-0.002 χ^2/NDF: 13137184.5/60

\- sign 16.061+/-0.003 χ^2/NDF: 7291059.7/30



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

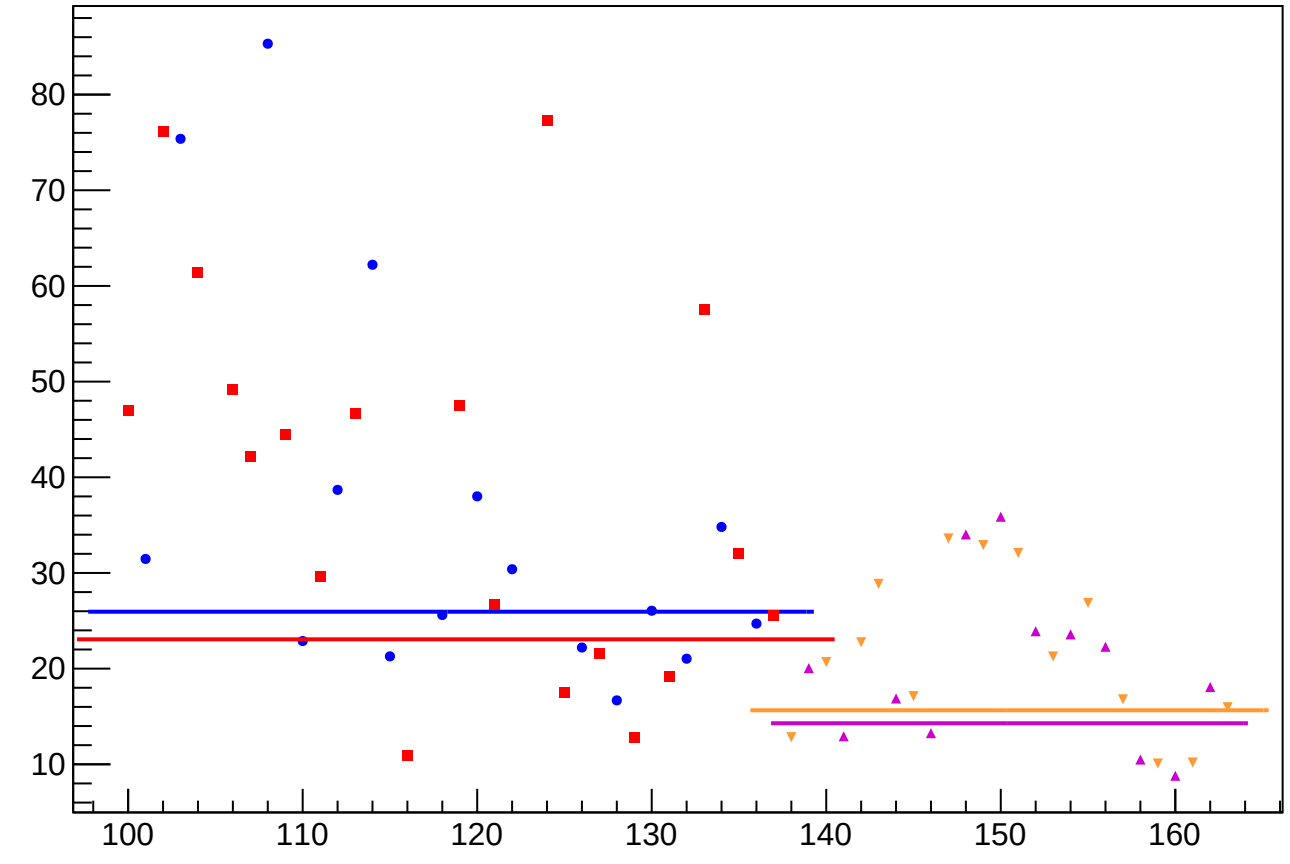
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.8/11

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.012+/-0.003 χ^2/NDF: 72.4/60

- sign 0.008+/-0.005 χ^2/NDF: 18.0/30



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969732.6/13

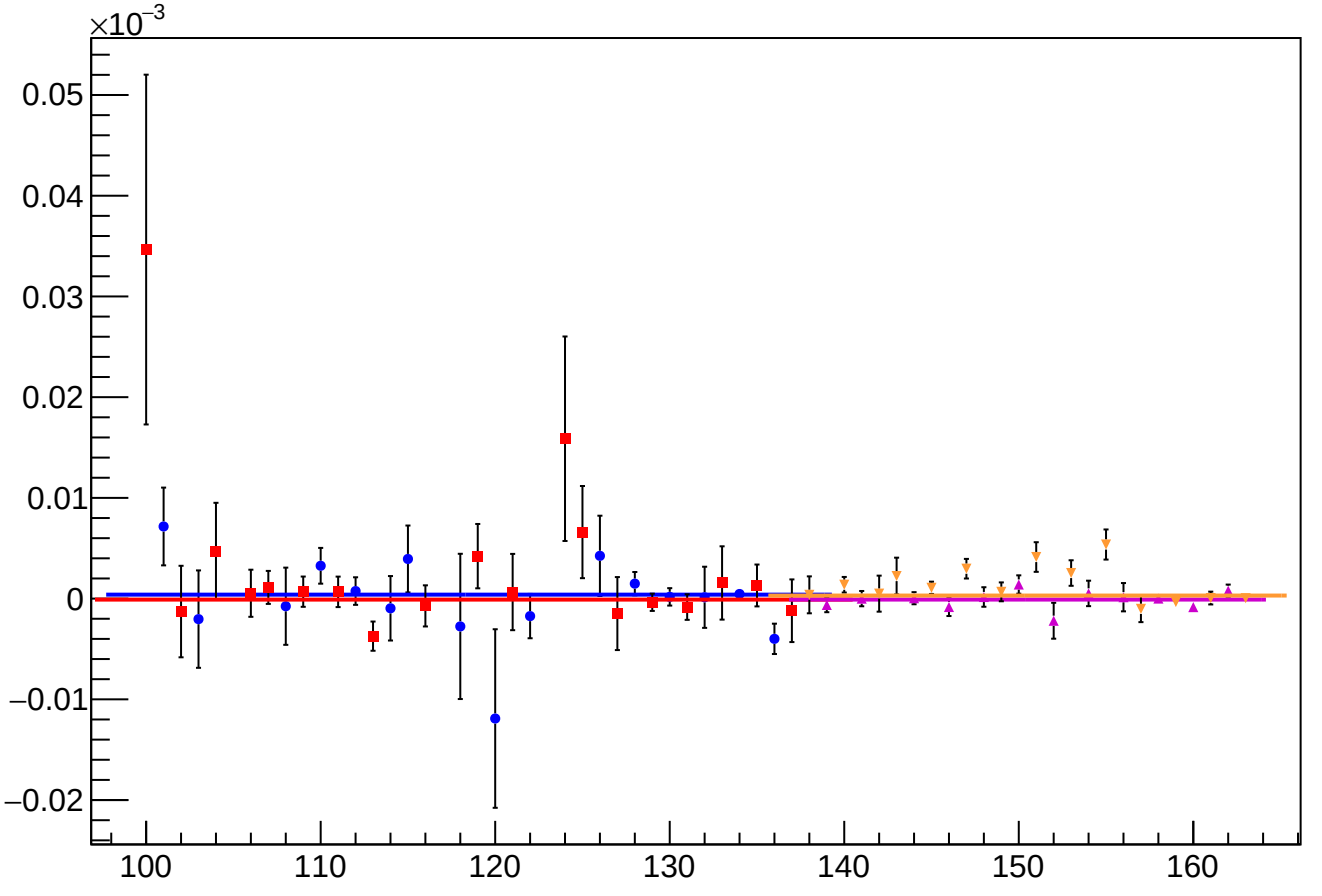
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.291+/-0.004 χ^2/NDF:2815737.9/11

+ sign 17.692+/-0.003 χ^2/NDF: 5732246.9/29

All: 16.838+/-0.002 χ^2/NDF: 13137184.5/60

- sign 16.061+/-0.003 χ^2/NDF: 7291059.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.5/13

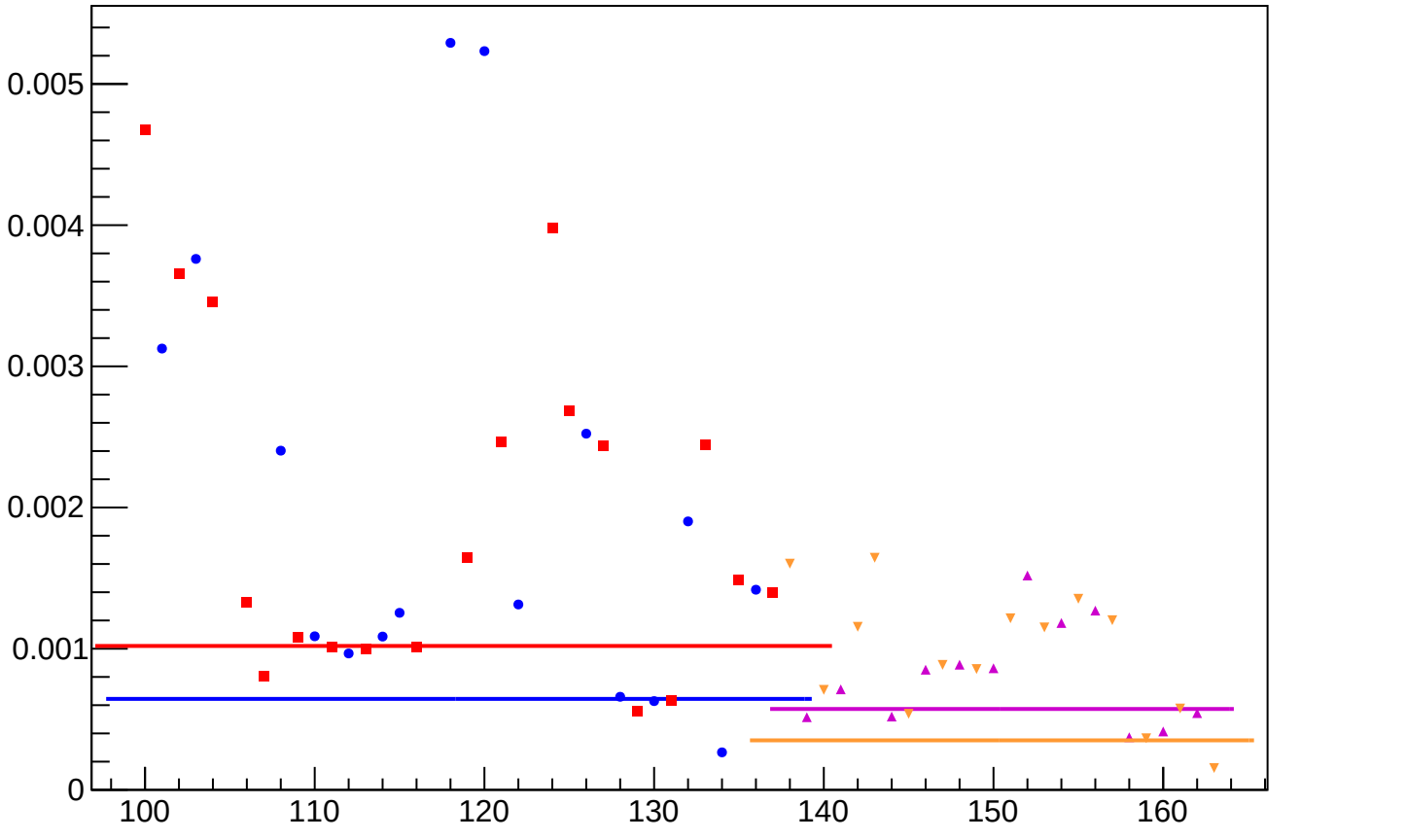
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 60.4/29

All: 0.000+/-0.000 χ^2/NDF: 94.7/60

- sign -0.000+/-0.000 χ^2/NDF: 31.0/30



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9866001.2/13

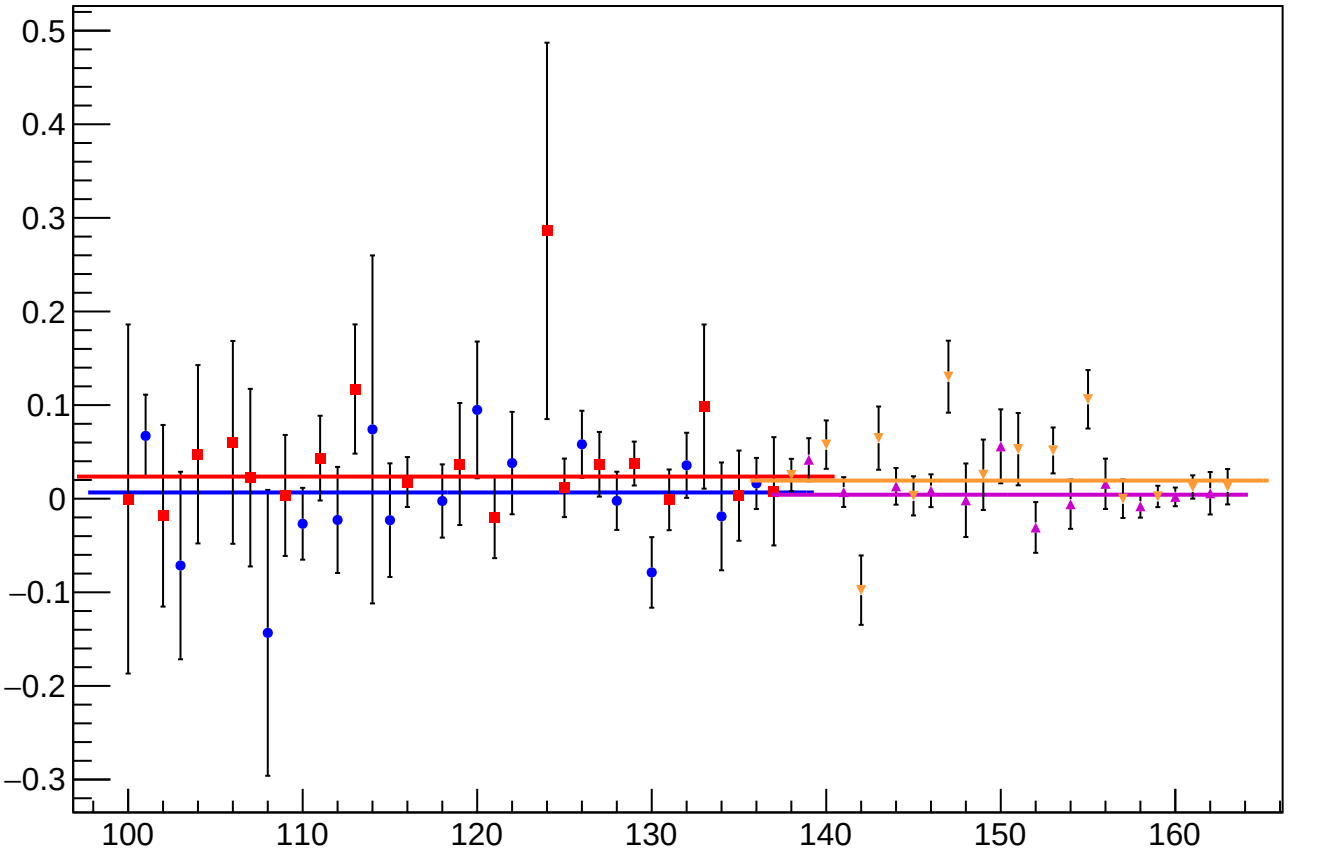
Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2945649.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 17703788.6/29

All: 0.000+/-0.000 χ^2/NDF: 28409922.9/60

- sign 0.001+/-0.000 χ^2/NDF: 8249444.1/30



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

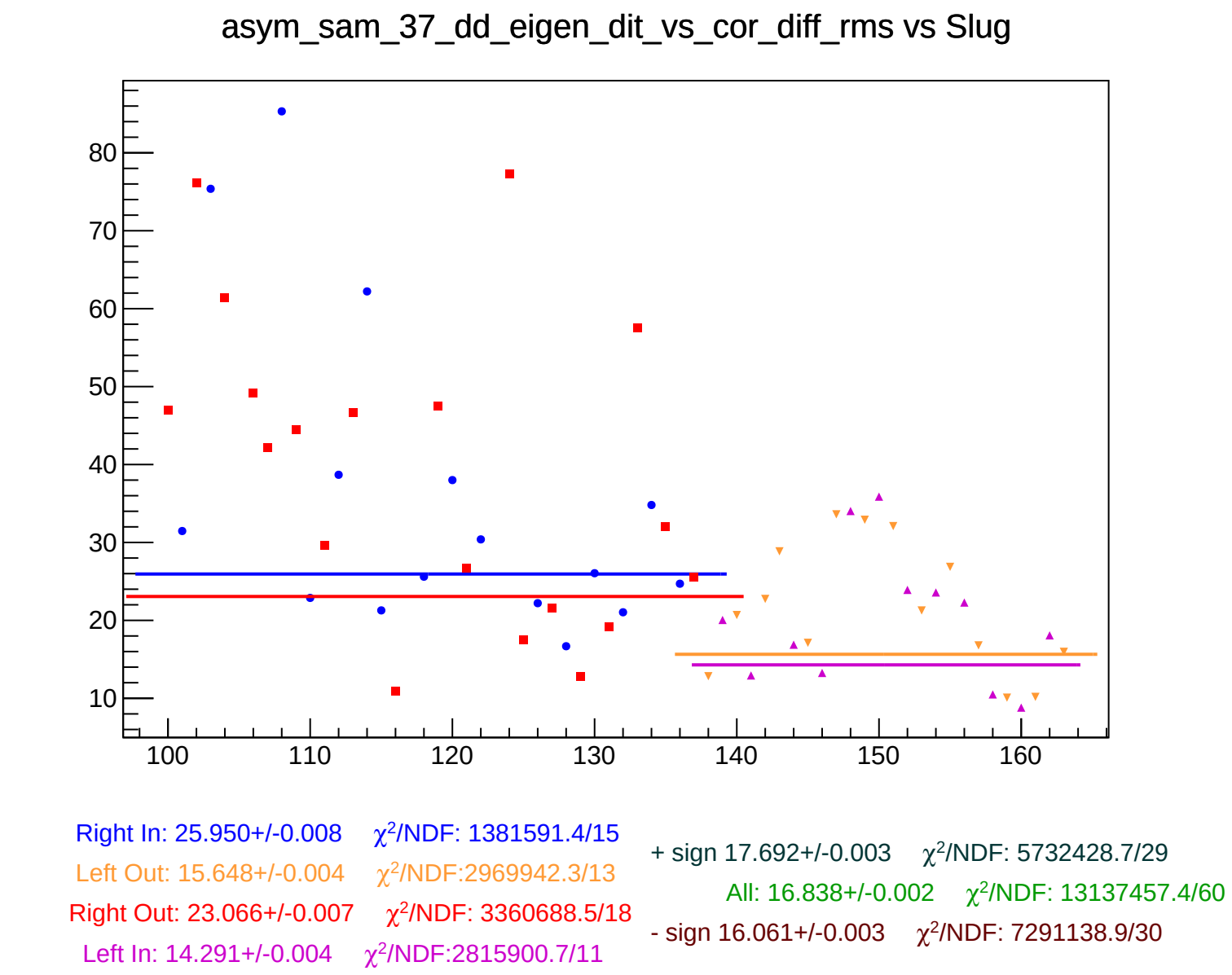
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.8/11

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.012+/-0.003 χ^2/NDF: 72.4/60

- sign 0.008+/-0.005 χ^2/NDF: 18.0/30


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
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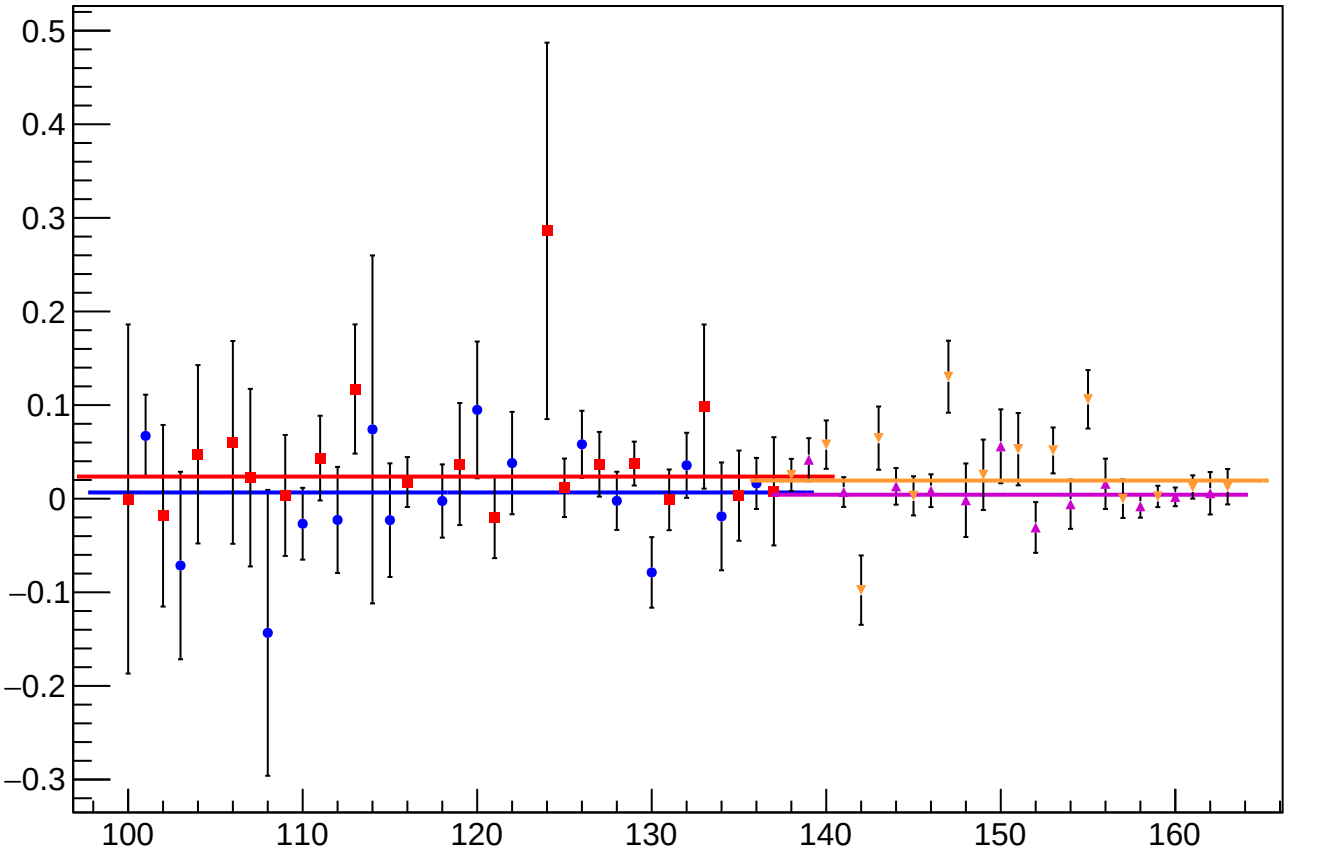
Right In: 25.950+/-0.008 χ²/NDF: 1381591.4/15
Left Out: 15.648+/-0.004 χ²/NDF:2969942.3/13
Right Out: 23.066+/-0.007 χ²/NDF: 3360688.5/18
Left In: 14.291+/-0.004 χ²/NDF:2815900.7/11
+ sign 17.692+/-0.003 χ²/NDF: 5732428.7/29
All: 16.838+/-0.002 χ²/NDF: 13137457.4/60
- sign 16.061+/-0.003 χ²/NDF: 7291138.9/30



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

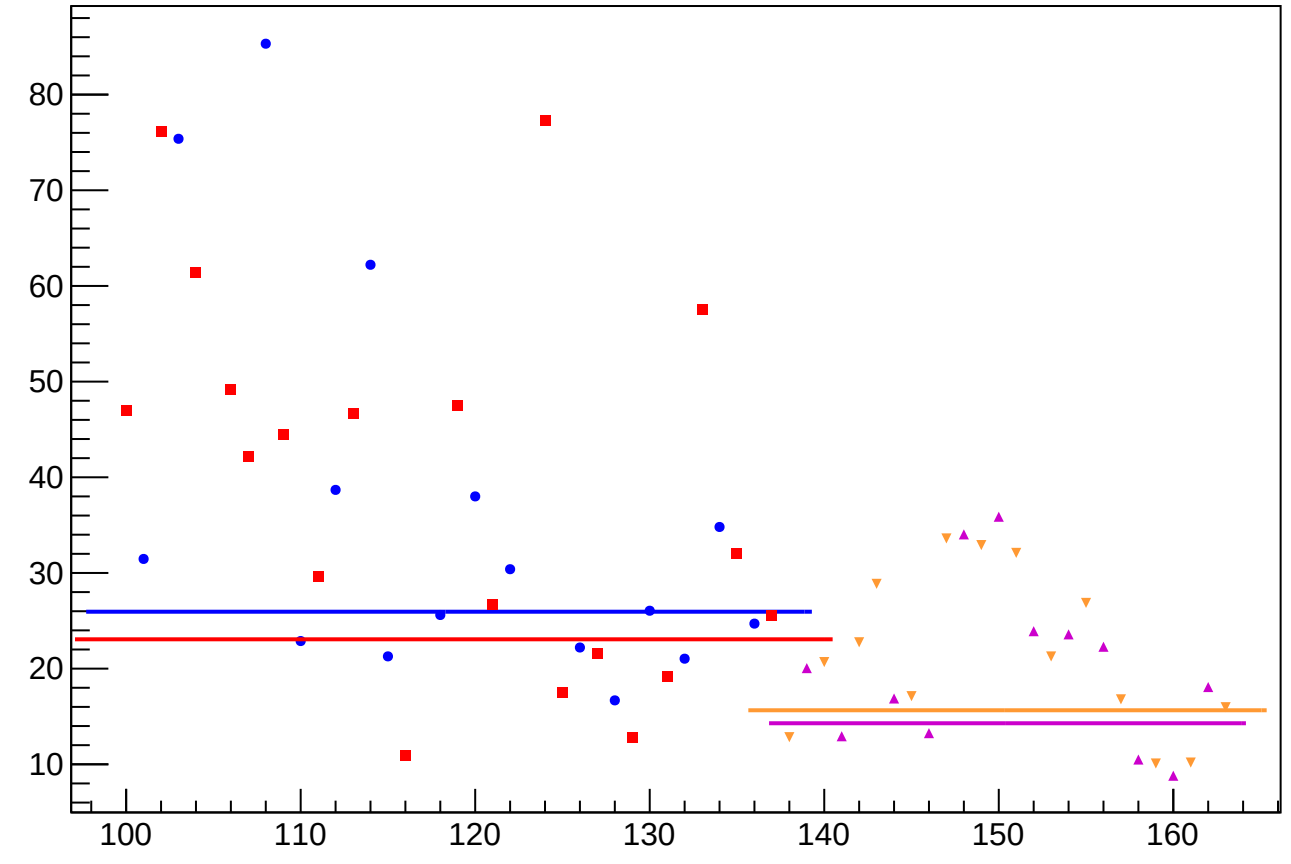
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.004+/-0.005 χ^2/NDF:7.8/11

+ sign 0.017+/-0.005 χ^2/NDF: 52.8/29

All: 0.012+/-0.003 χ^2/NDF: 72.4/60

- sign 0.008+/-0.005 χ^2/NDF: 18.0/30



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969942.3/13

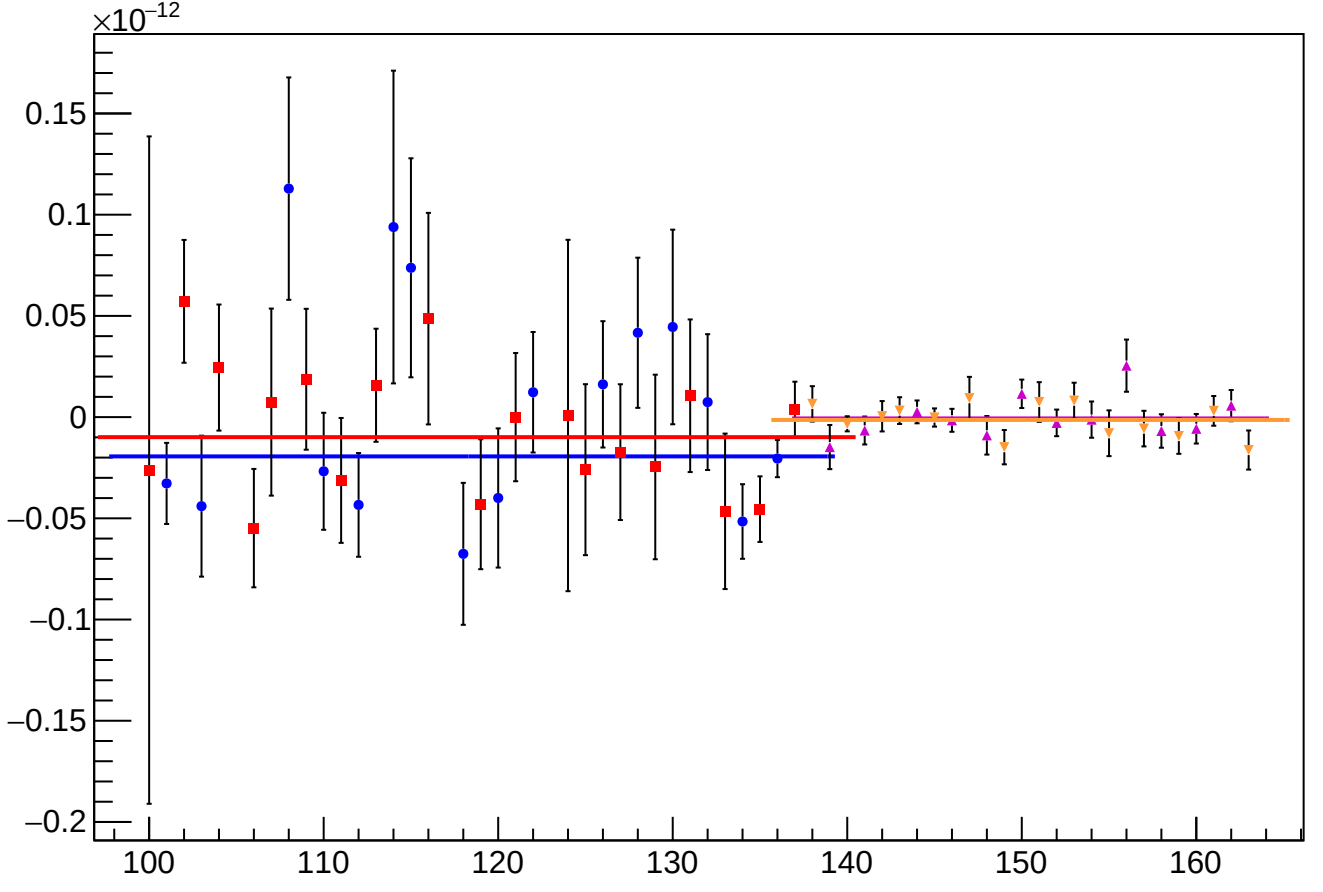
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.291+/-0.004 χ^2/NDF:2815900.7/11

+ sign 17.692+/-0.003 χ^2/NDF: 5732428.7/29

All: 16.838+/-0.002 χ^2/NDF: 13137457.4/60

- sign 16.061+/-0.003 χ^2/NDF: 7291138.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

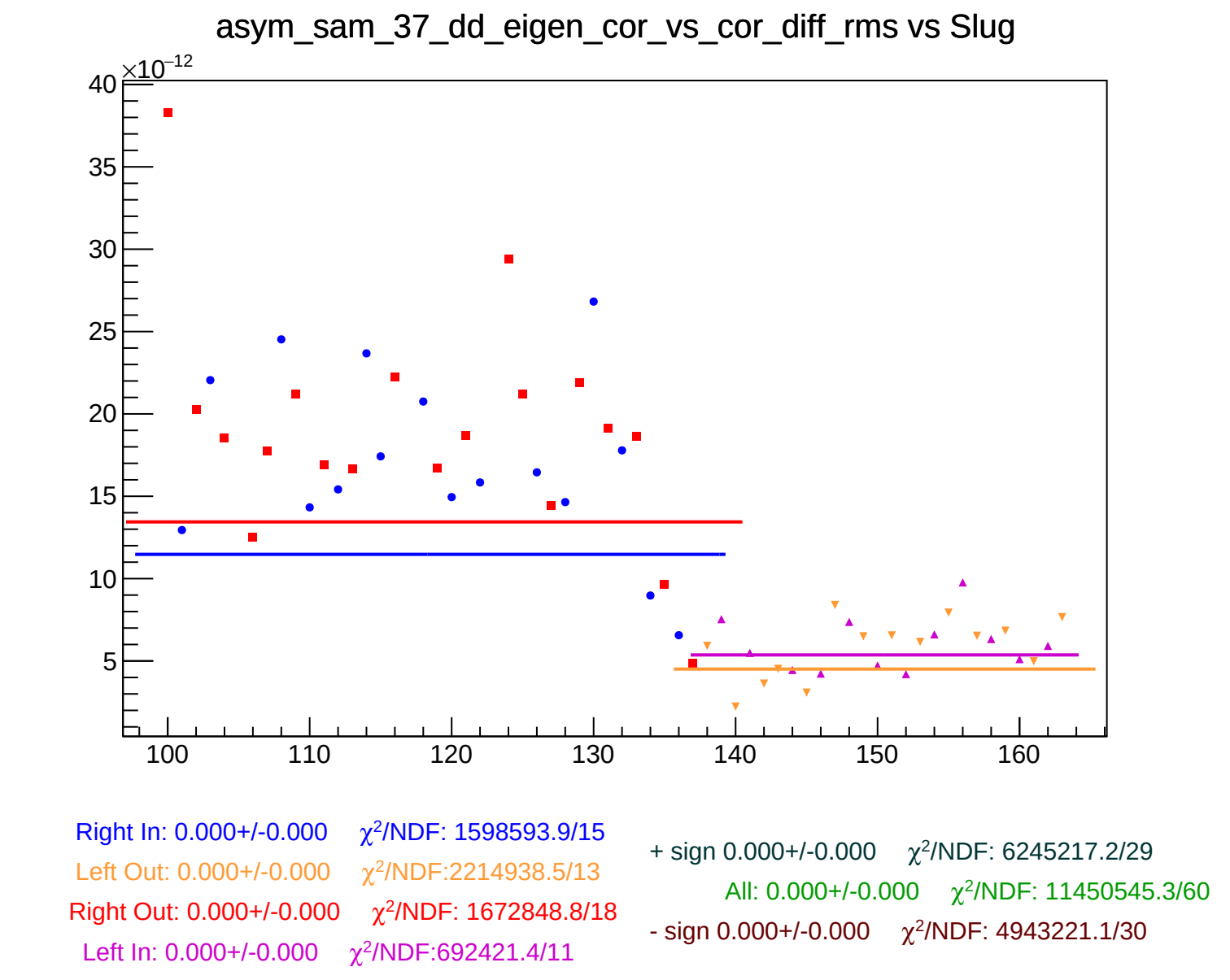
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/29

All: -0.000+/-0.000 χ^2/NDF: 80.0/60

- sign -0.000+/-0.000 χ^2/NDF: 34.5/30


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
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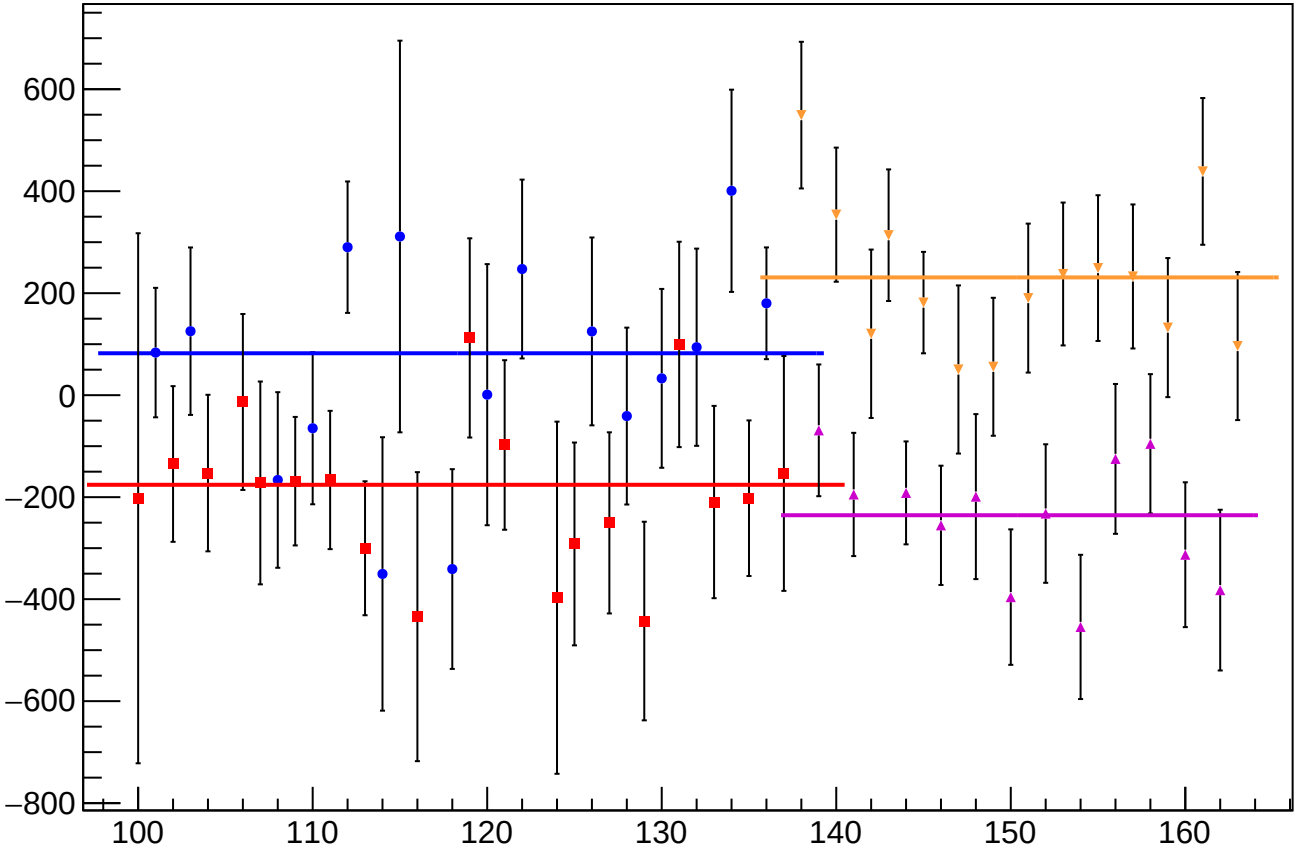
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2214938.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:692421.4/11
+ sign 0.000+/-0.000 χ²/NDF: 6245217.2/29
All: 0.000+/-0.000 χ²/NDF: 11450545.3/60
- sign 0.000+/-0.000 χ²/NDF: 4943221.1/30

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.939+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

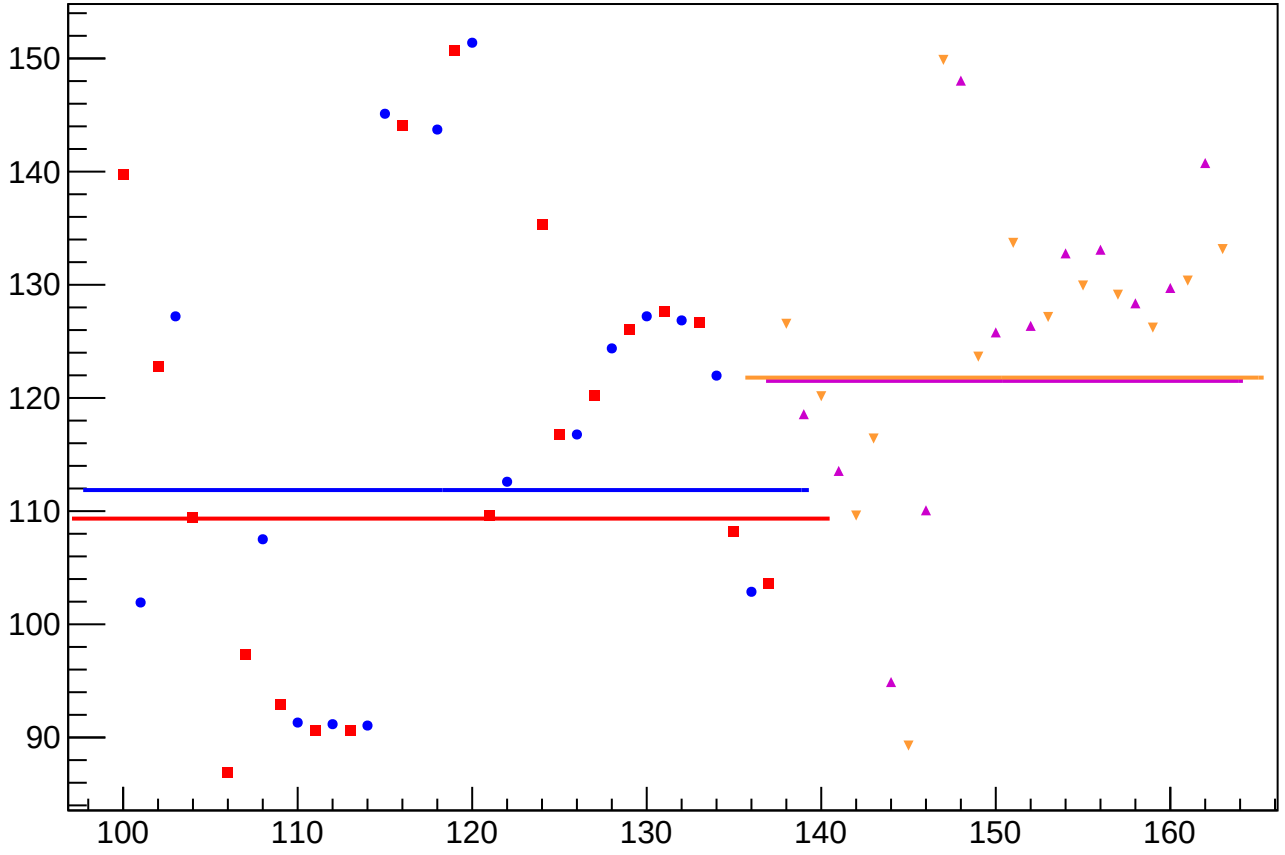
Left In: -235.407+/-38.111 χ^2/NDF:8.7/11

+ sign 166.745+/-27.679 χ^2/NDF: 38.8/29

All: -19.498+/-19.618 χ^2/NDF: 149.5/60

- sign -207.508+/-27.810 χ^2/NDF: 19.7/30

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

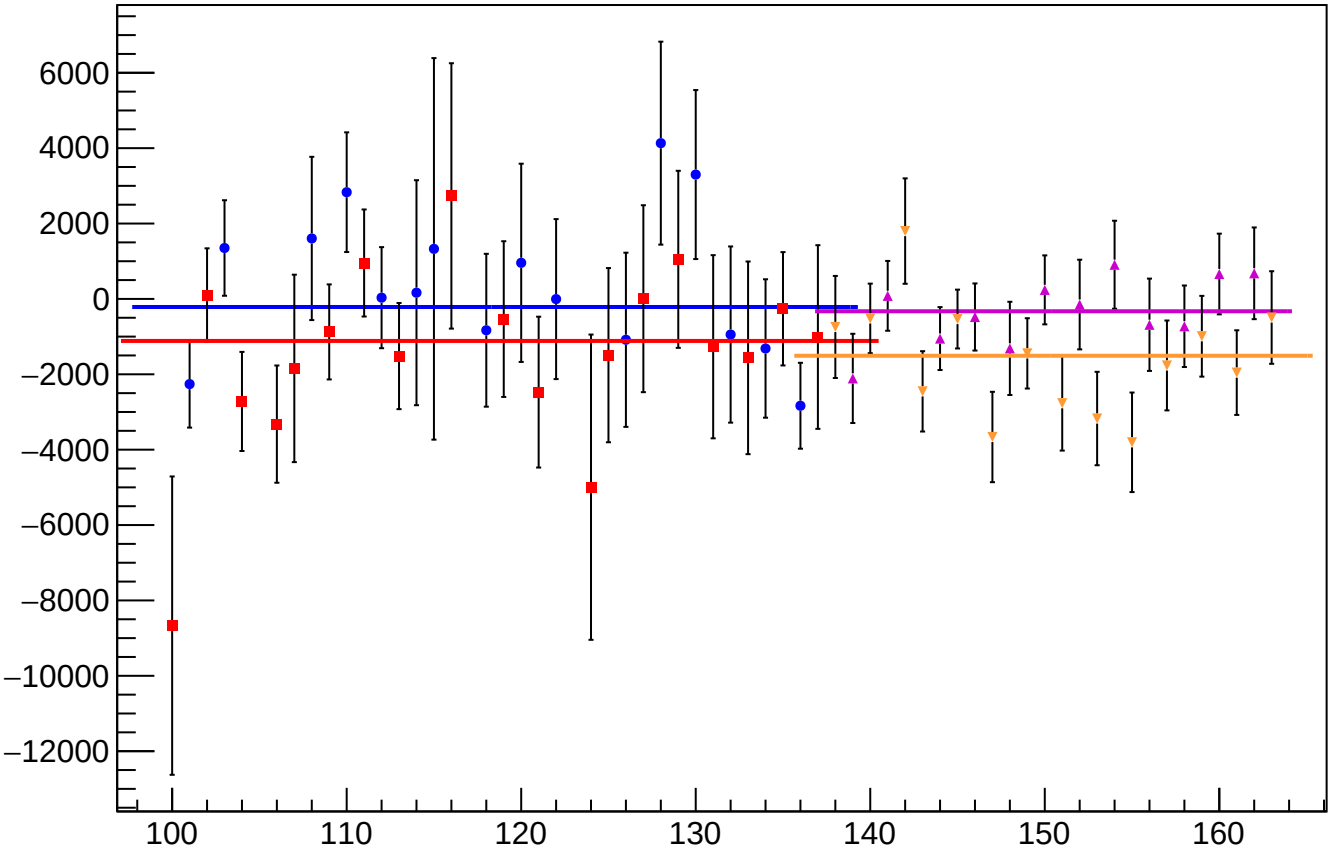
Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

+ sign 117.510+/-0.020 χ^2/NDF: 707723.8/29

All: 116.669+/-0.014 χ^2/NDF: 1467017.0/60

- sign 115.821+/-0.020 χ^2/NDF: 755584.1/30

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1508.016+/-295.070 χ^2/NDF:19.6/13

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

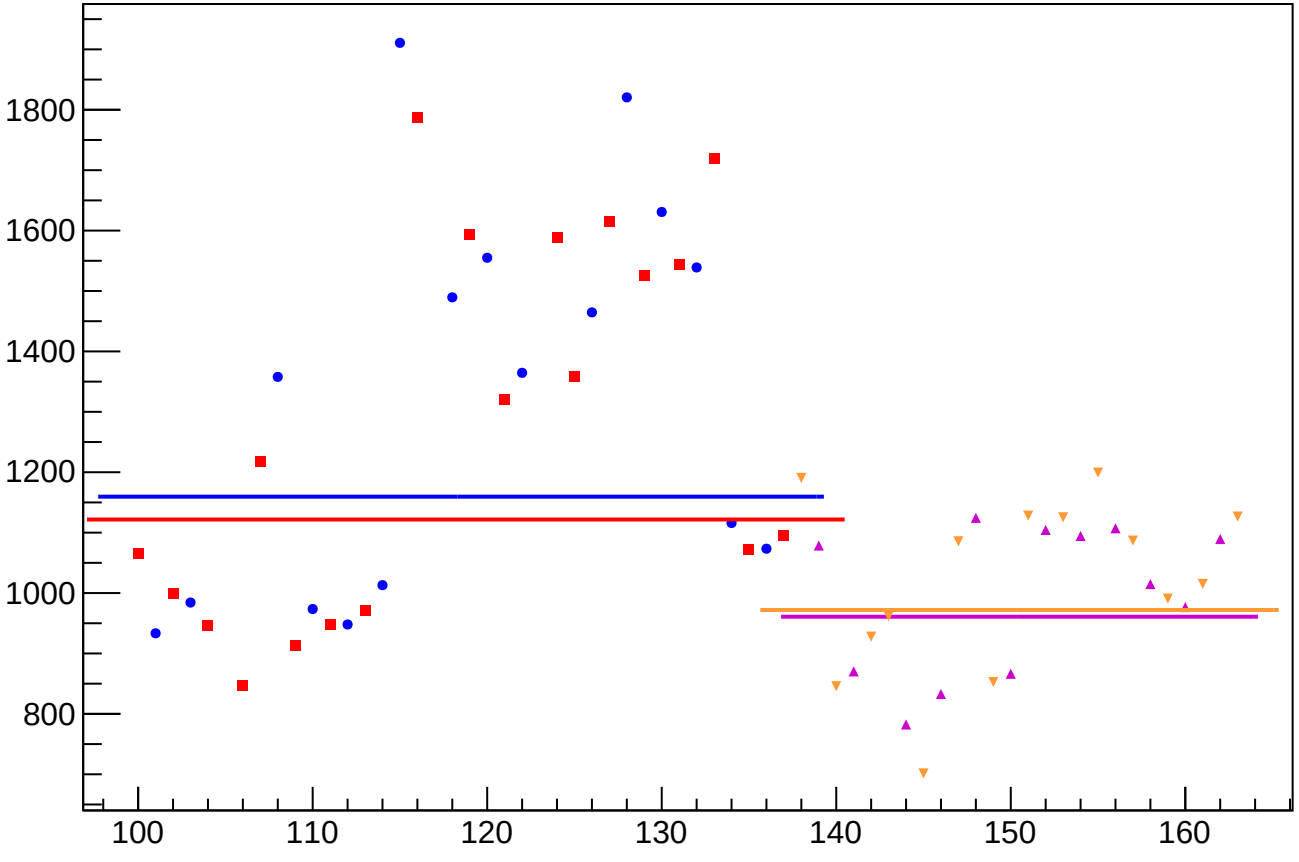
Left In: -327.332+/-302.403 χ^2/NDF:7.2/11

+ sign -1111.601+/-245.744 χ^2/NDF: 45.9/29

All: -852.885+/-173.862 χ^2/NDF: 72.1/60

- sign -593.605+/-246.011 χ^2/NDF: 24.0/30

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 971.993+/-0.209 χ^2/NDF:557547.3/13

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

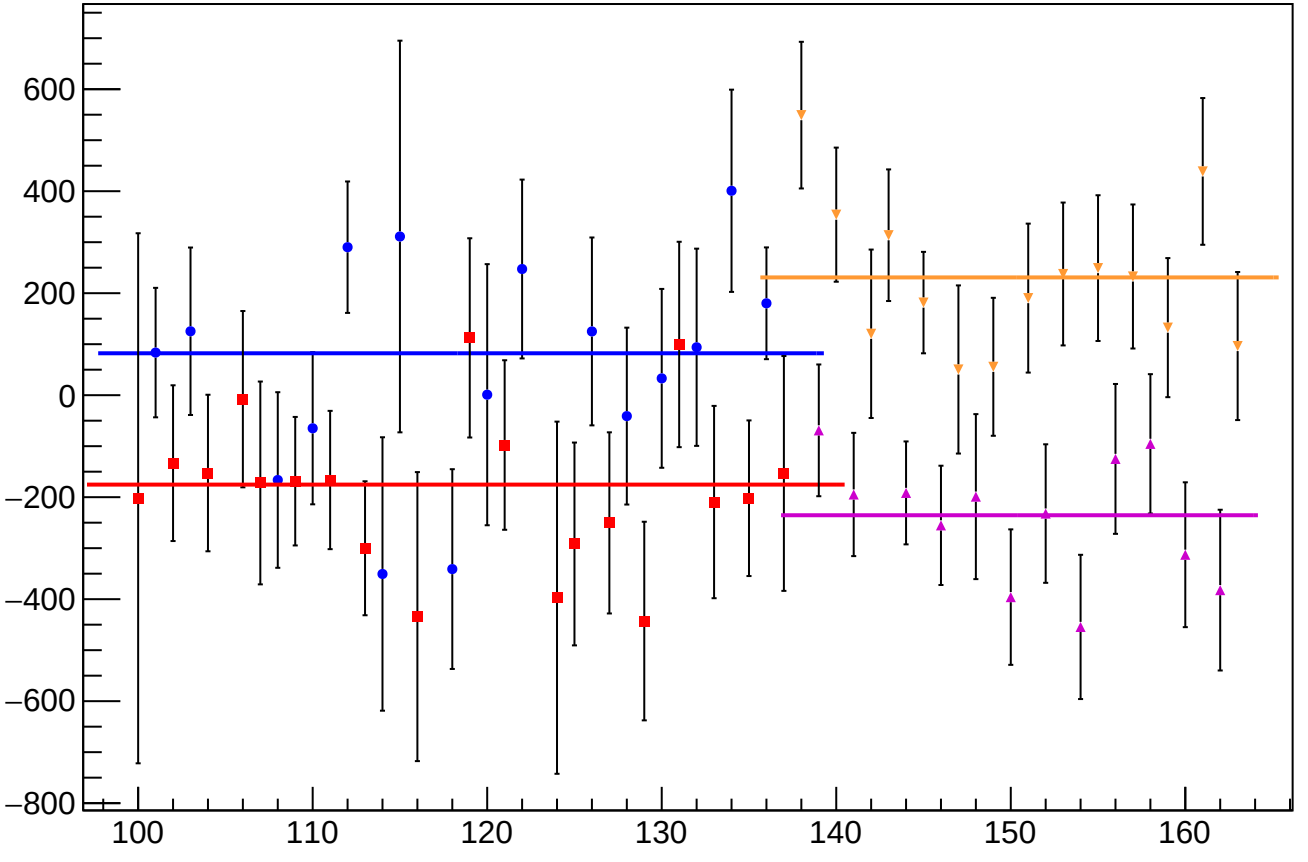
Left In: 960.805+/-0.214 χ^2/NDF:339617.0/11

+ sign 1029.464+/-0.174 χ^2/NDF: 1488867.5/29

All: 1022.357+/-0.123 χ^2/NDF: 2805697.9/60

- sign 1015.234+/-0.174 χ^2/NDF: 1313481.1/30

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

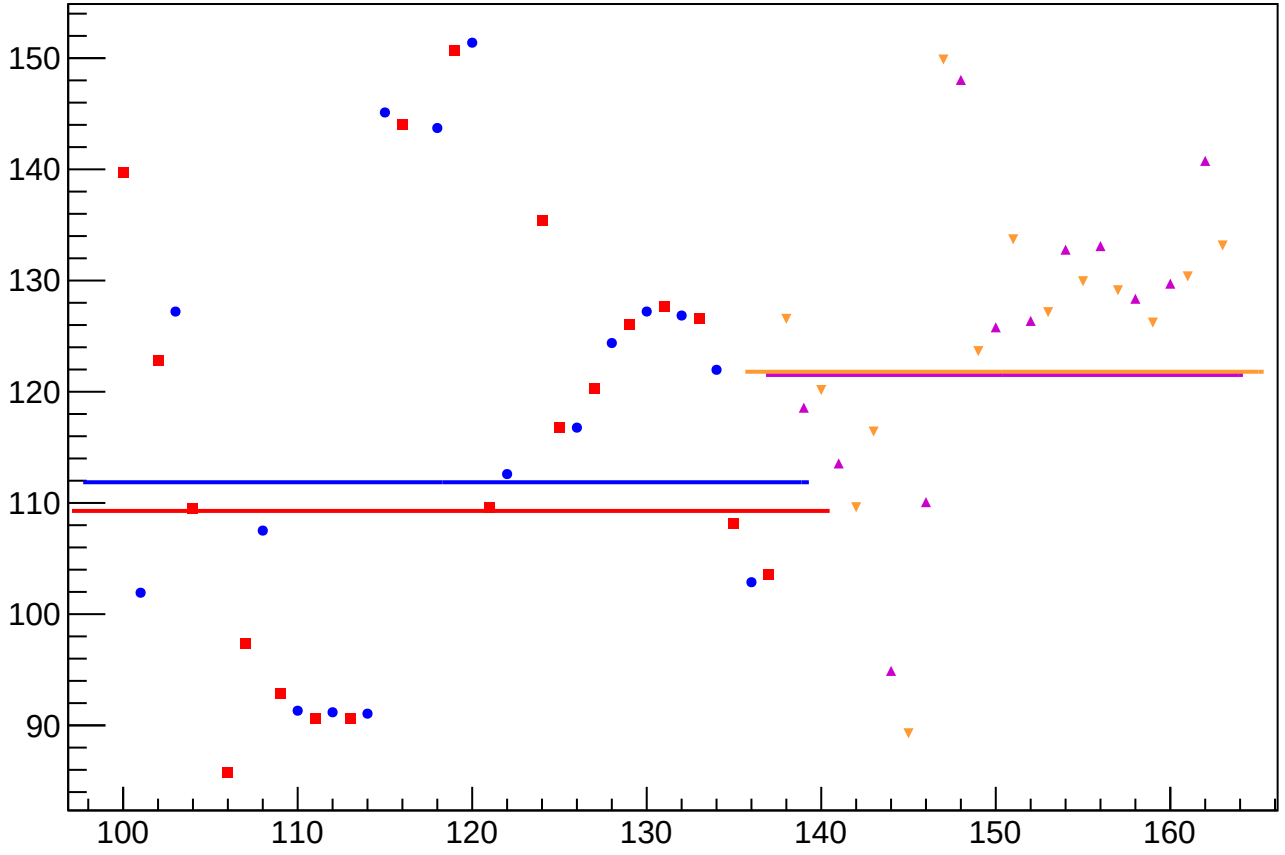
Left In: -235.409+/-38.111 χ^2/NDF:8.7/11

+ sign 166.742+/-27.679 χ^2/NDF: 38.8/29

All: -19.399+/-19.619 χ^2/NDF: 149.4/60

- sign -207.329+/-27.812 χ^2/NDF: 19.8/30

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

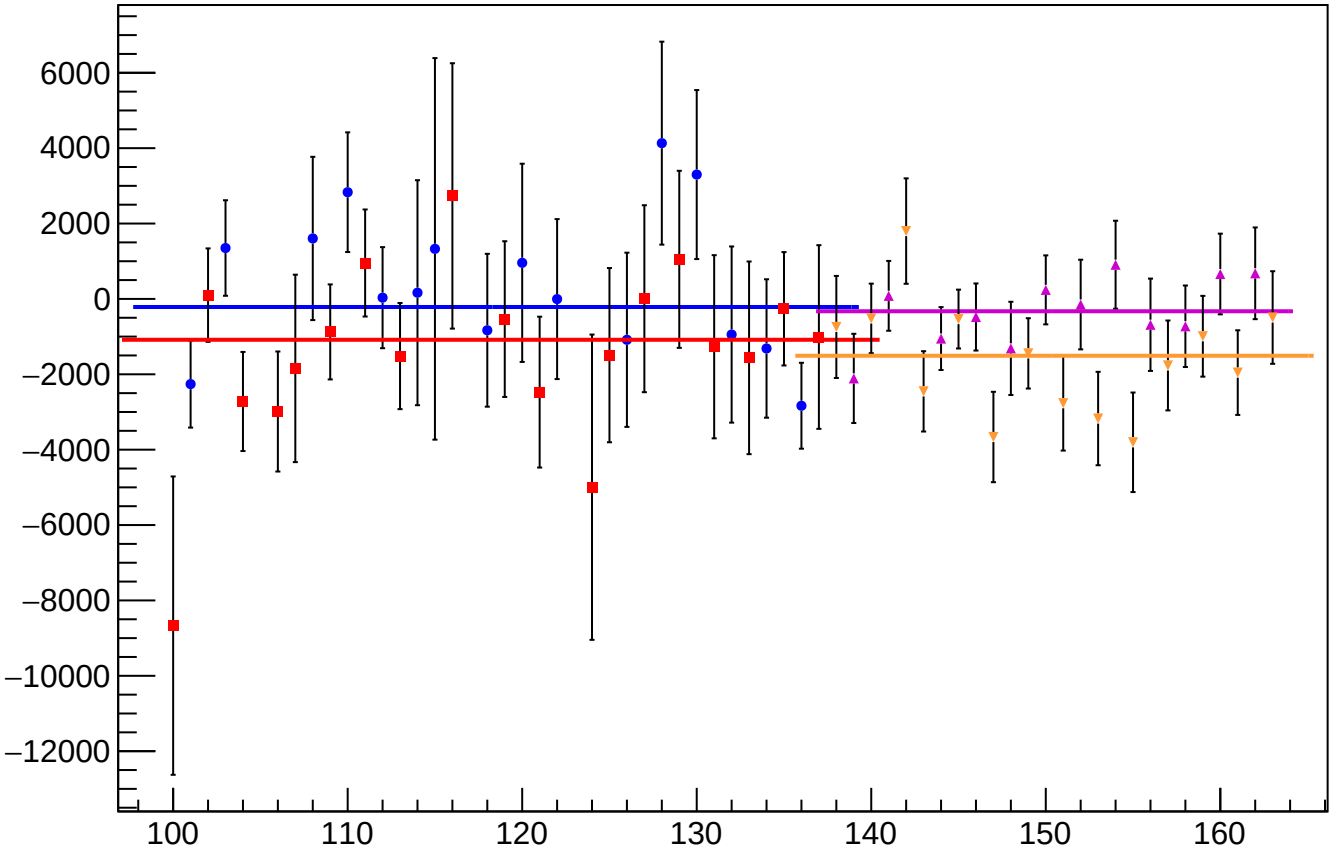
Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

+ sign 117.510+/-0.020 χ^2/NDF: 707724.6/29

All: 116.657+/-0.014 χ^2/NDF: 1471489.2/60

- sign 115.795+/-0.020 χ^2/NDF: 759943.3/30

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

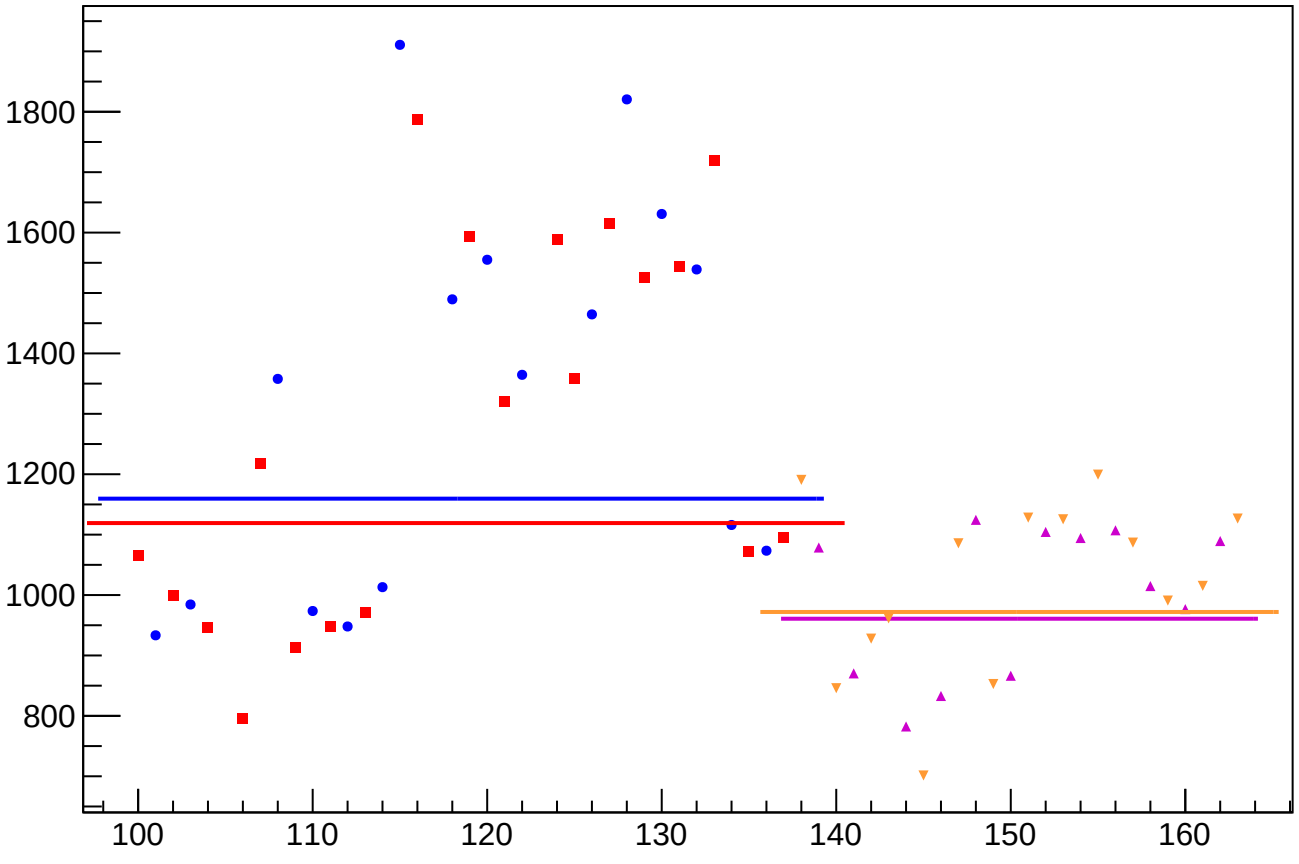
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -327.336+/-302.403 χ^2/NDF:7.2/11

+ sign -1111.630+/-245.744 χ^2/NDF: 45.9/29

All: -847.567+/-173.913 χ^2/NDF: 71.4/60

- sign -582.619+/-246.156 χ^2/NDF: 23.2/30



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

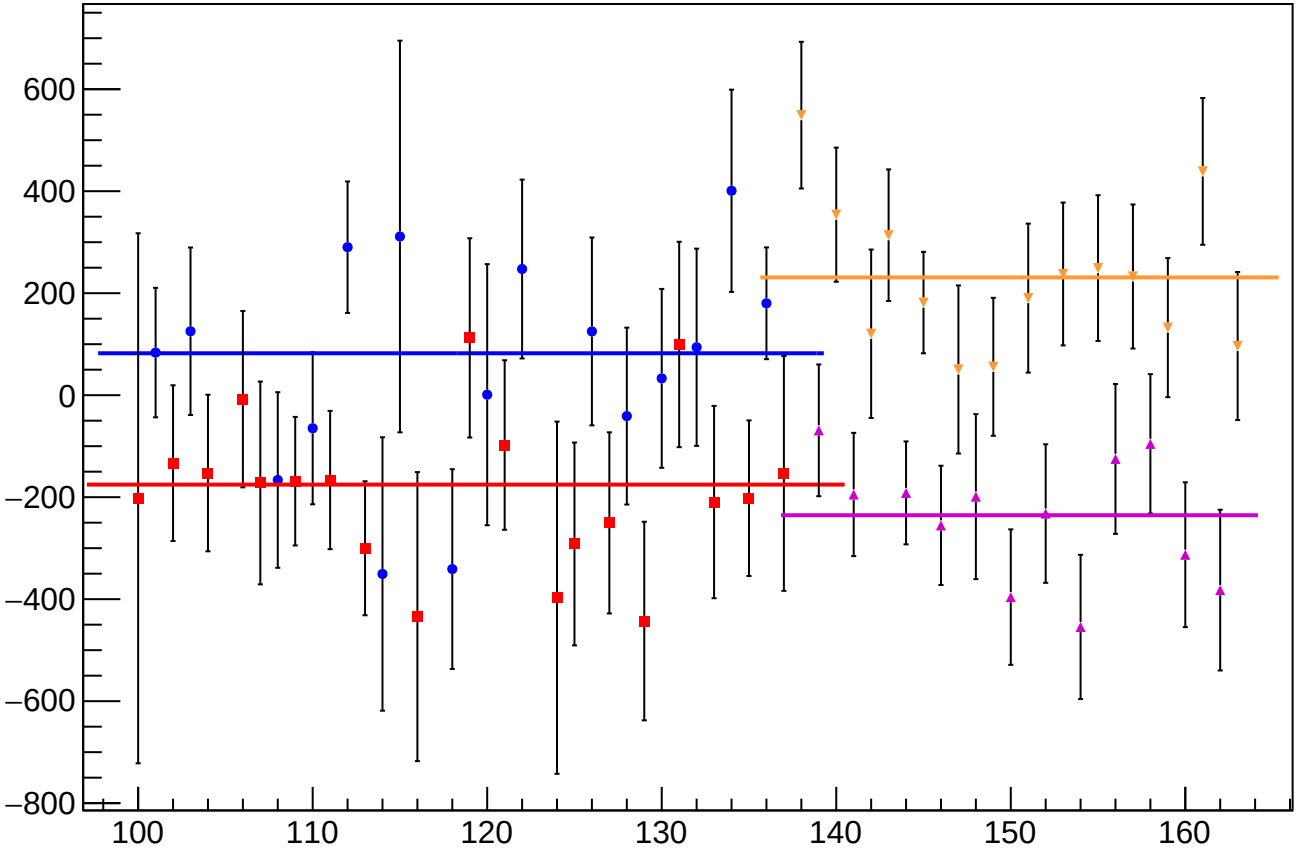
Left In: 960.805+/-0.214 χ^2/NDF:339614.5/11

+ sign 1029.466+/-0.174 χ^2/NDF: 1488861.7/29

All: 1021.862+/-0.123 χ^2/NDF: 2820499.6/60

- sign 1014.233+/-0.174 χ^2/NDF: 1327802.1/30

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

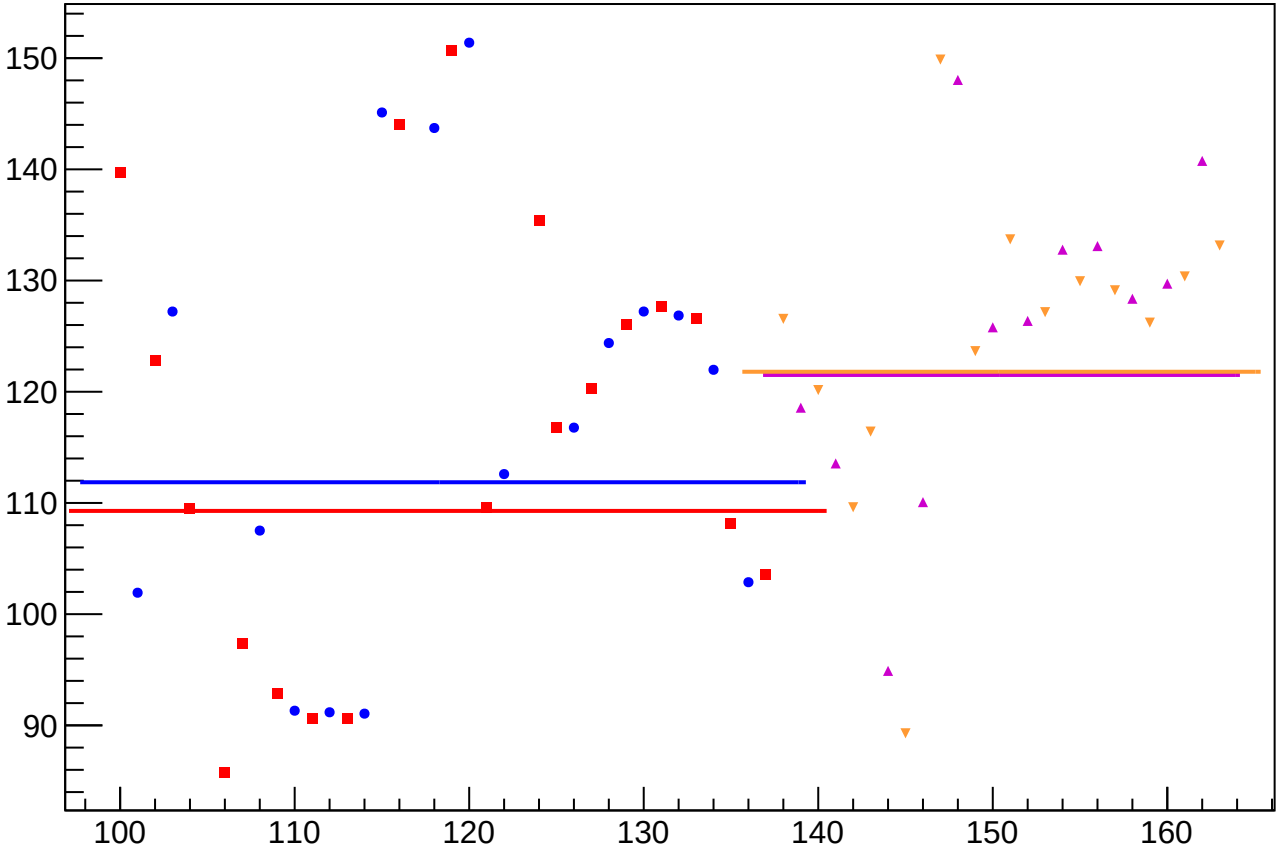
Left In: -235.409+/-38.111 χ^2/NDF:8.7/11

+ sign 166.742+/-27.679 χ^2/NDF: 38.8/29

All: -19.399+/-19.619 χ^2/NDF: 149.4/60

- sign -207.329+/-27.812 χ^2/NDF: 19.8/30

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

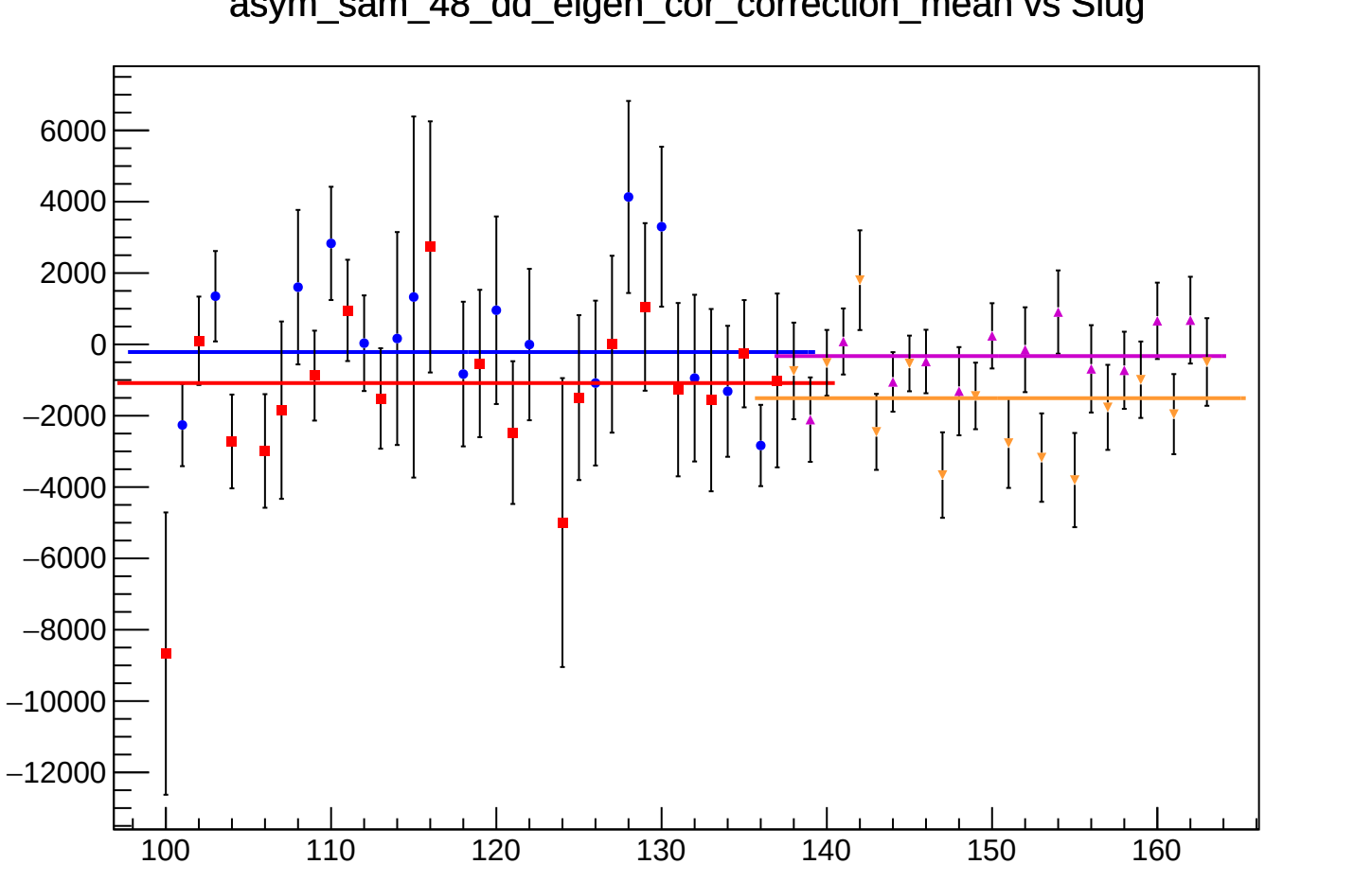
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

+ sign 117.510+/-0.020 χ^2/NDF: 707724.6/29

All: 116.657+/-0.014 χ^2/NDF: 1471489.2/60

- sign 115.795+/-0.020 χ^2/NDF: 759943.3/30



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

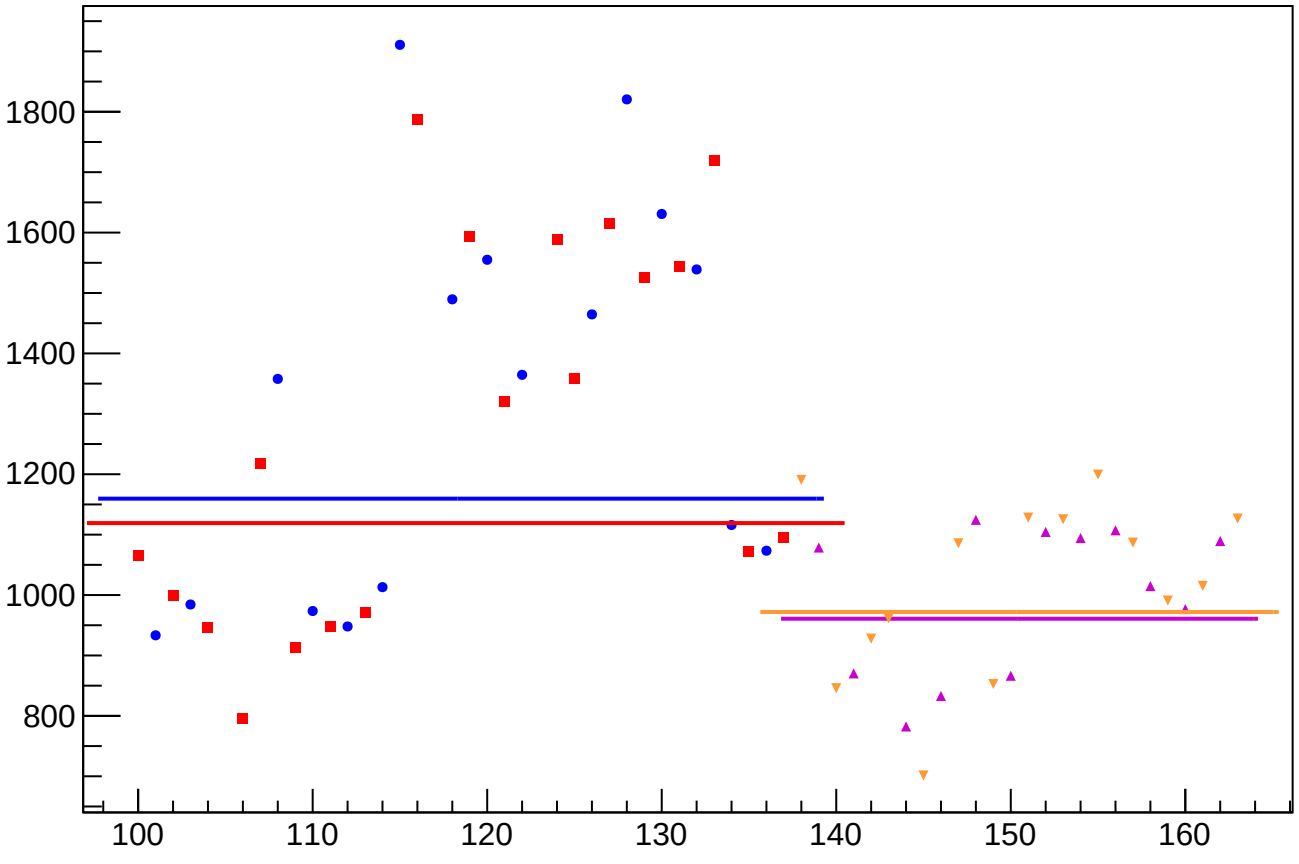
Right Out: -1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: -327.336+/-302.403 χ^2/NDF:7.2/11

+ sign -1111.630+/-245.744 χ^2/NDF: 45.9/29

All: -847.567+/-173.913 χ^2/NDF: 71.4/60

- sign -582.619+/-246.156 χ^2/NDF: 23.2/30



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

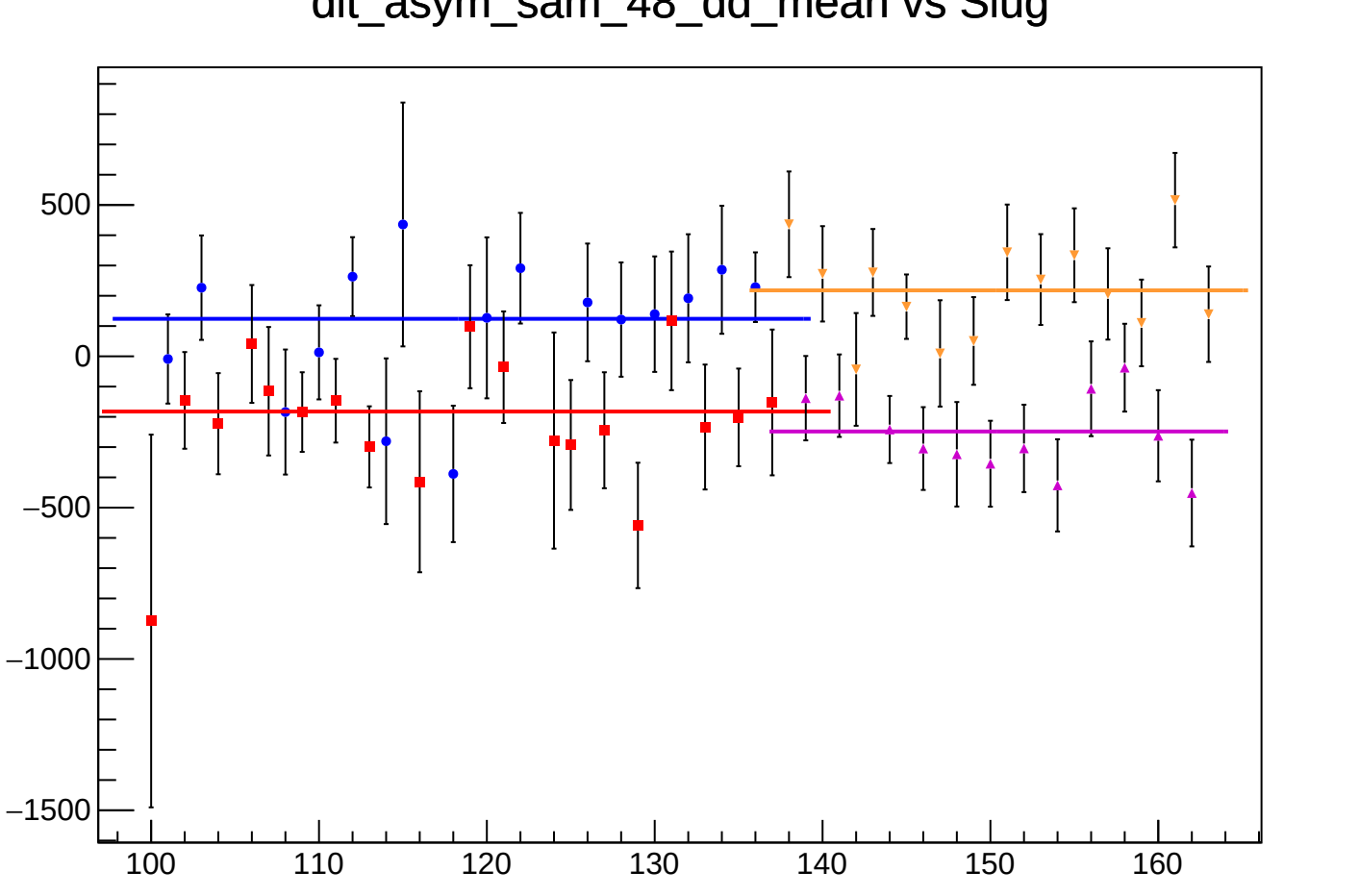
Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 960.805+/-0.214 χ^2/NDF:339614.5/11

+ sign 1029.466+/-0.174 χ^2/NDF: 1488861.7/29

All: 1021.862+/-0.123 χ^2/NDF: 2820499.6/60

- sign 1014.233+/-0.174 χ^2/NDF: 1327802.1/30



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.886+/-40.193 χ^2/NDF:12.5/13

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

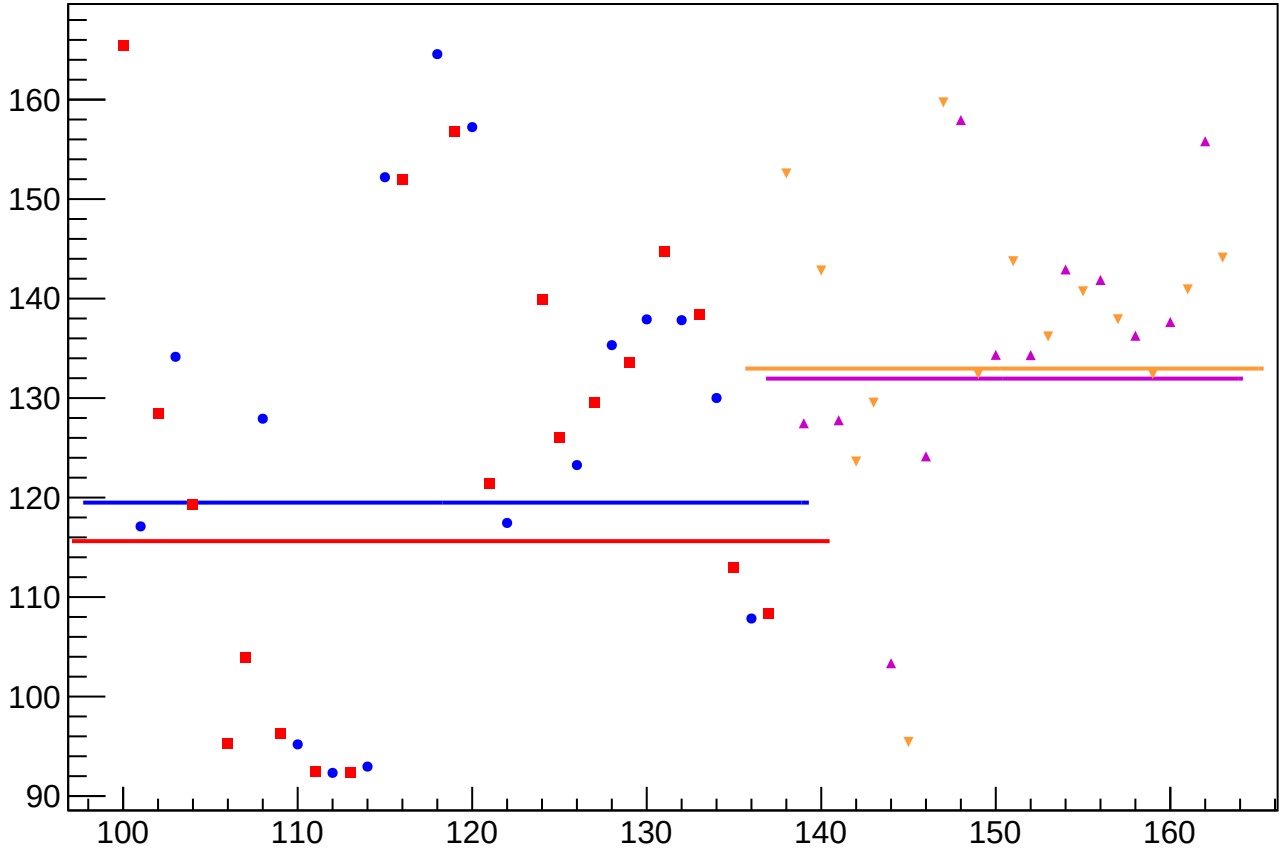
Left In: -248.378+/-41.558 χ^2/NDF:8.1/11

+ sign 176.421+/-30.047 χ^2/NDF: 30.4/29

All: -20.733+/-21.215 χ^2/NDF: 137.8/60

- sign -216.718+/-29.958 χ^2/NDF: 21.6/30

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.968+/-0.028 χ^2/NDF:366792.6/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

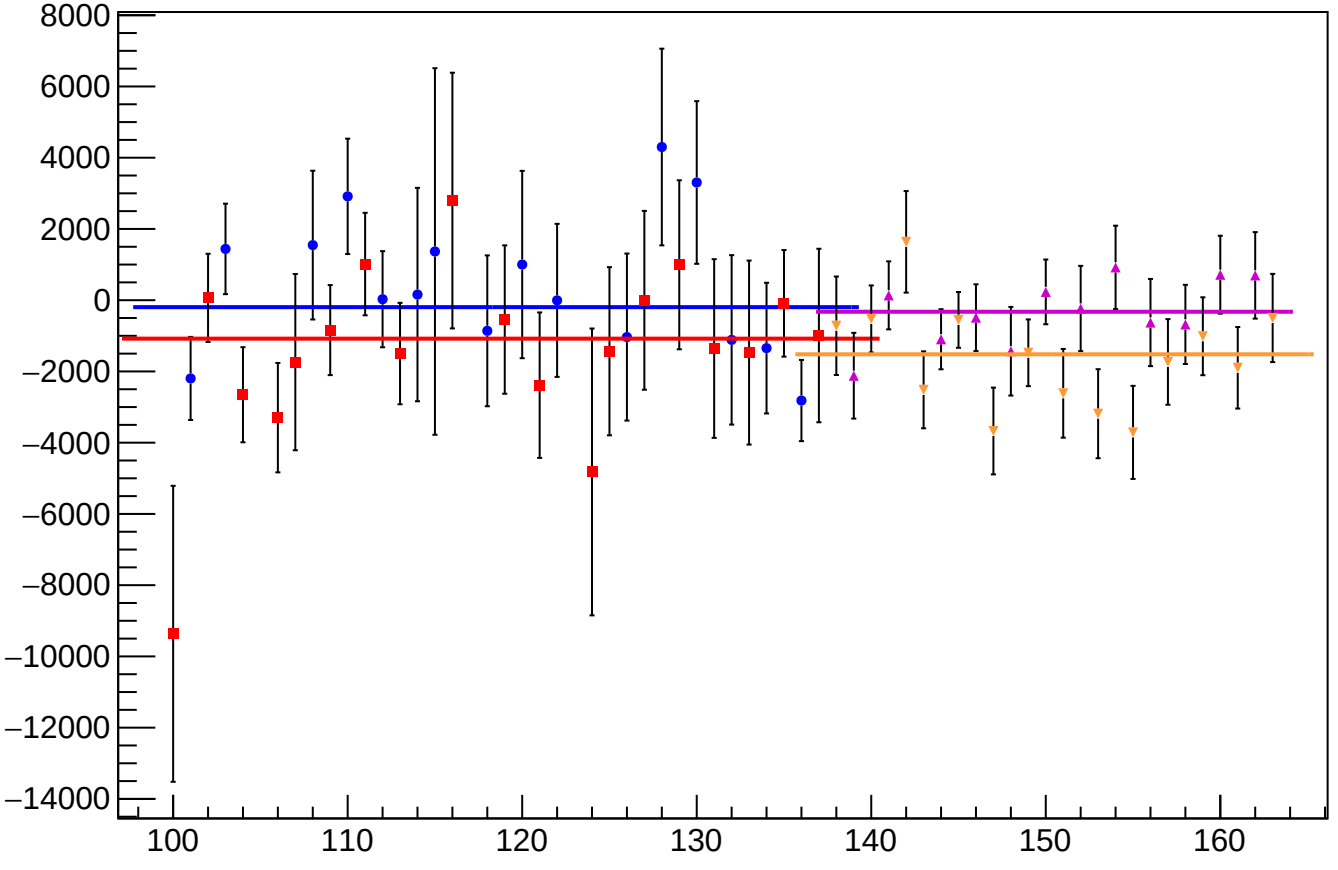
Left In: 131.958+/-0.029 χ^2/NDF:249814.3/11

+ sign 127.024+/-0.021 χ^2/NDF: 846185.8/29

All: 125.563+/-0.015 χ^2/NDF: 1680851.3/60

- sign 124.111+/-0.021 χ^2/NDF: 825238.7/30

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1518.387+/-297.969 χ^2/NDF:18.3/13

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

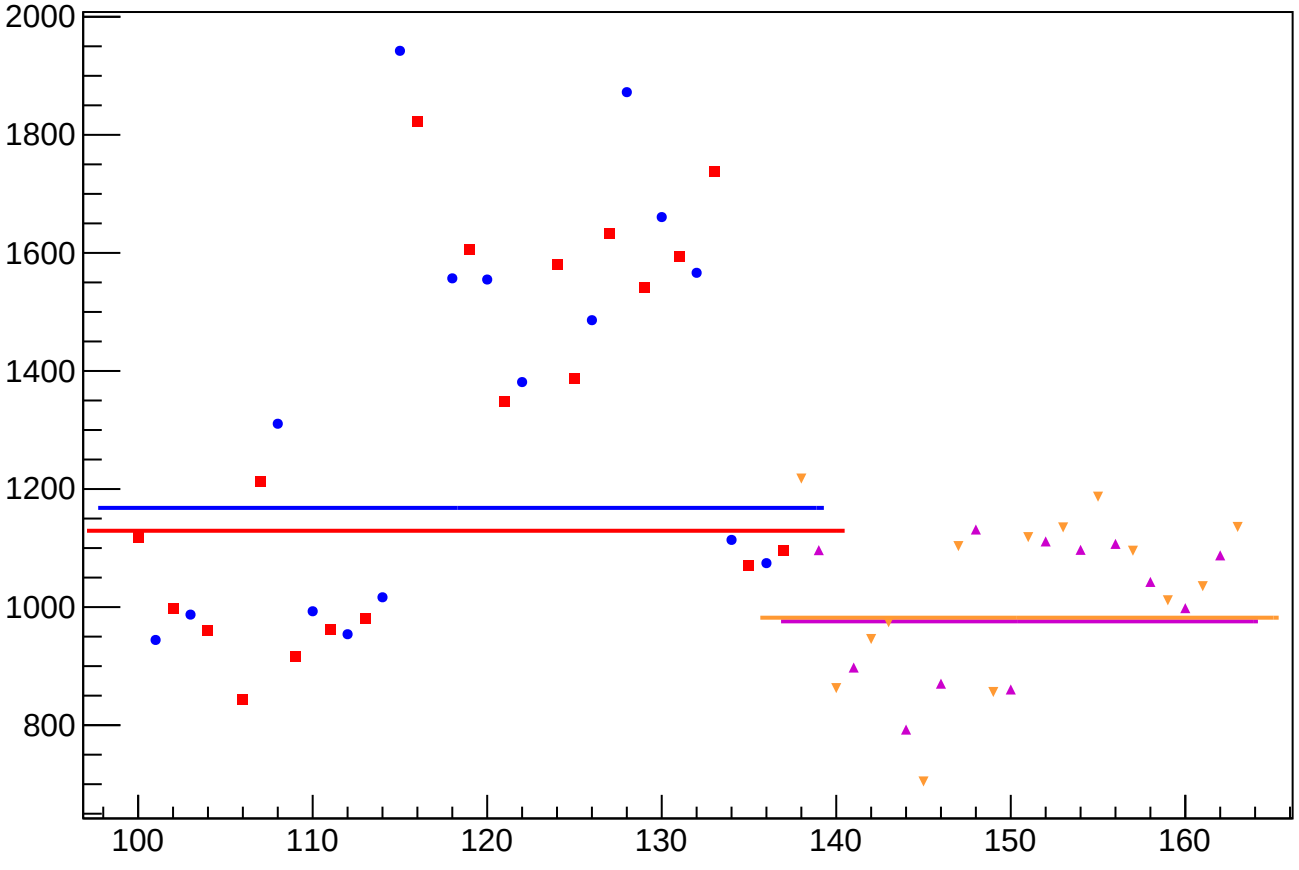
Left In: -324.424+/-307.013 χ^2/NDF:7.4/11

+ sign -1111.697+/-247.990 χ^2/NDF: 44.7/29

All: -848.260+/-175.733 χ^2/NDF: 71.0/60

- sign -582.544+/-249.060 χ^2/NDF: 24.1/30

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.056+/-0.211 χ^2/NDF:556236.9/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

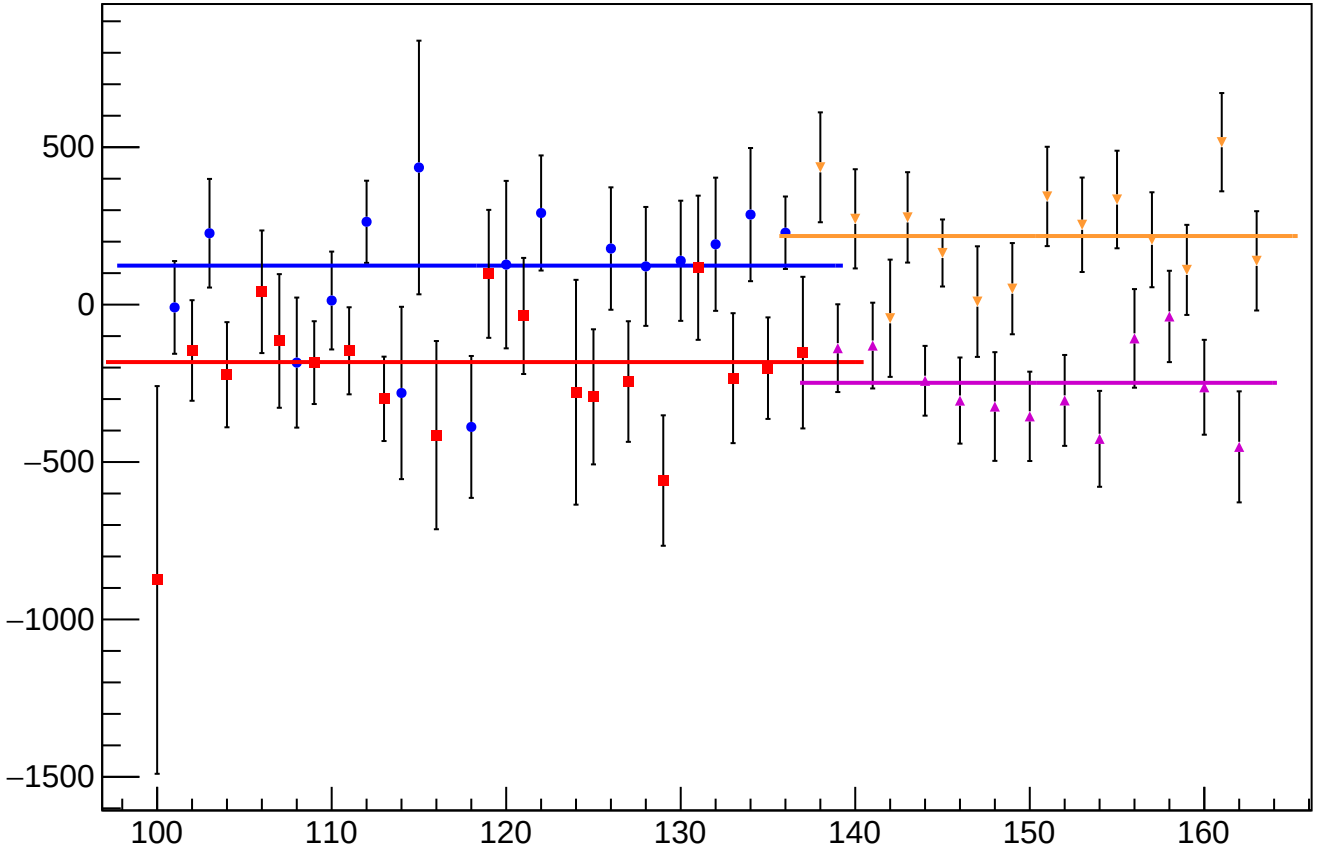
Left In: 975.851+/-0.217 χ^2/NDF:311888.4/11

+ sign 1039.221+/-0.175 χ^2/NDF: 1505125.5/29

All: 1033.794+/-0.124 χ^2/NDF: 2797015.2/60

- sign 1028.320+/-0.176 χ^2/NDF: 1289965.7/30

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.887+/-40.193 χ^2/NDF:12.5/13

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

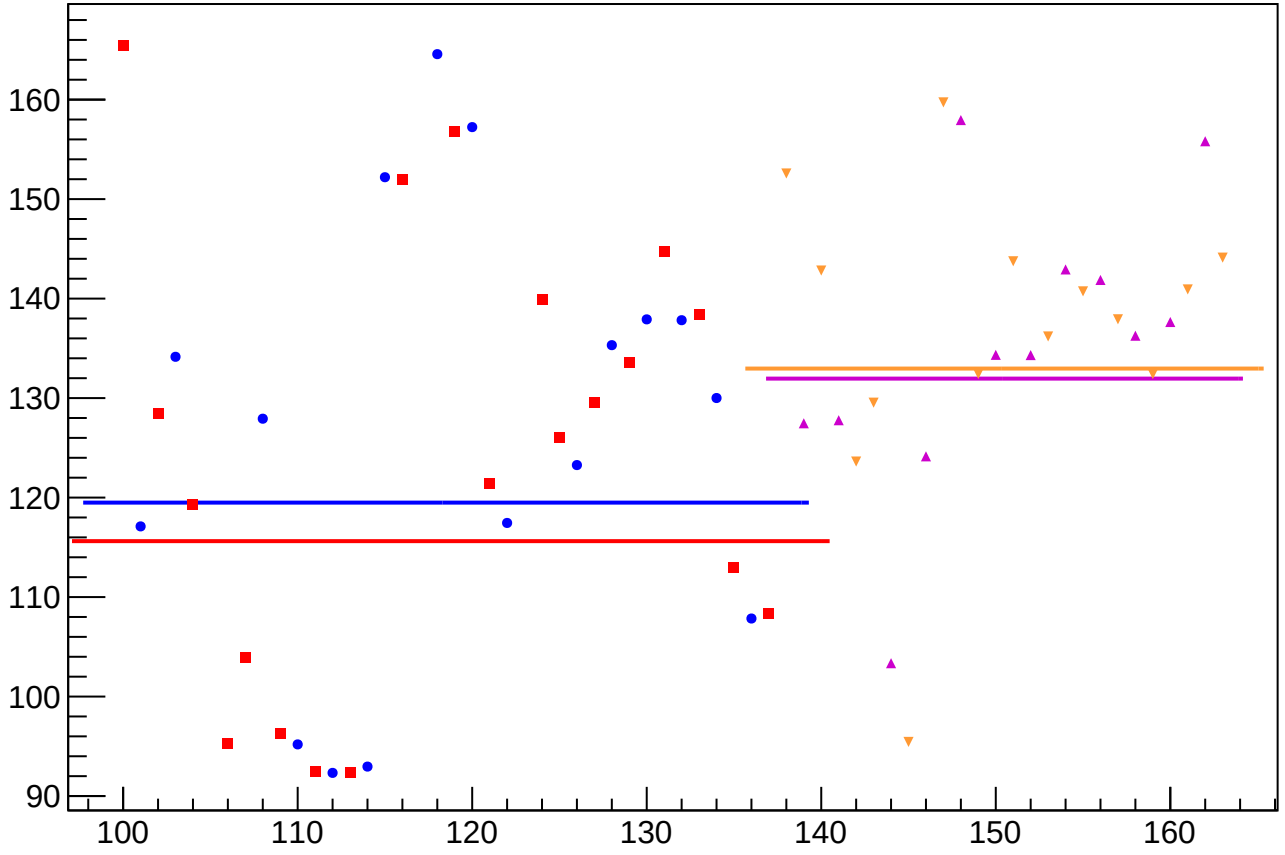
Left In: -248.379+/-41.558 χ^2/NDF:8.1/11

+ sign 176.423+/-30.047 χ^2/NDF: 30.4/29

All: -20.732+/-21.215 χ^2/NDF: 137.8/60

- sign -216.718+/-29.958 χ^2/NDF: 21.6/30

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.968+/-0.028 χ^2/NDF:366791.0/13

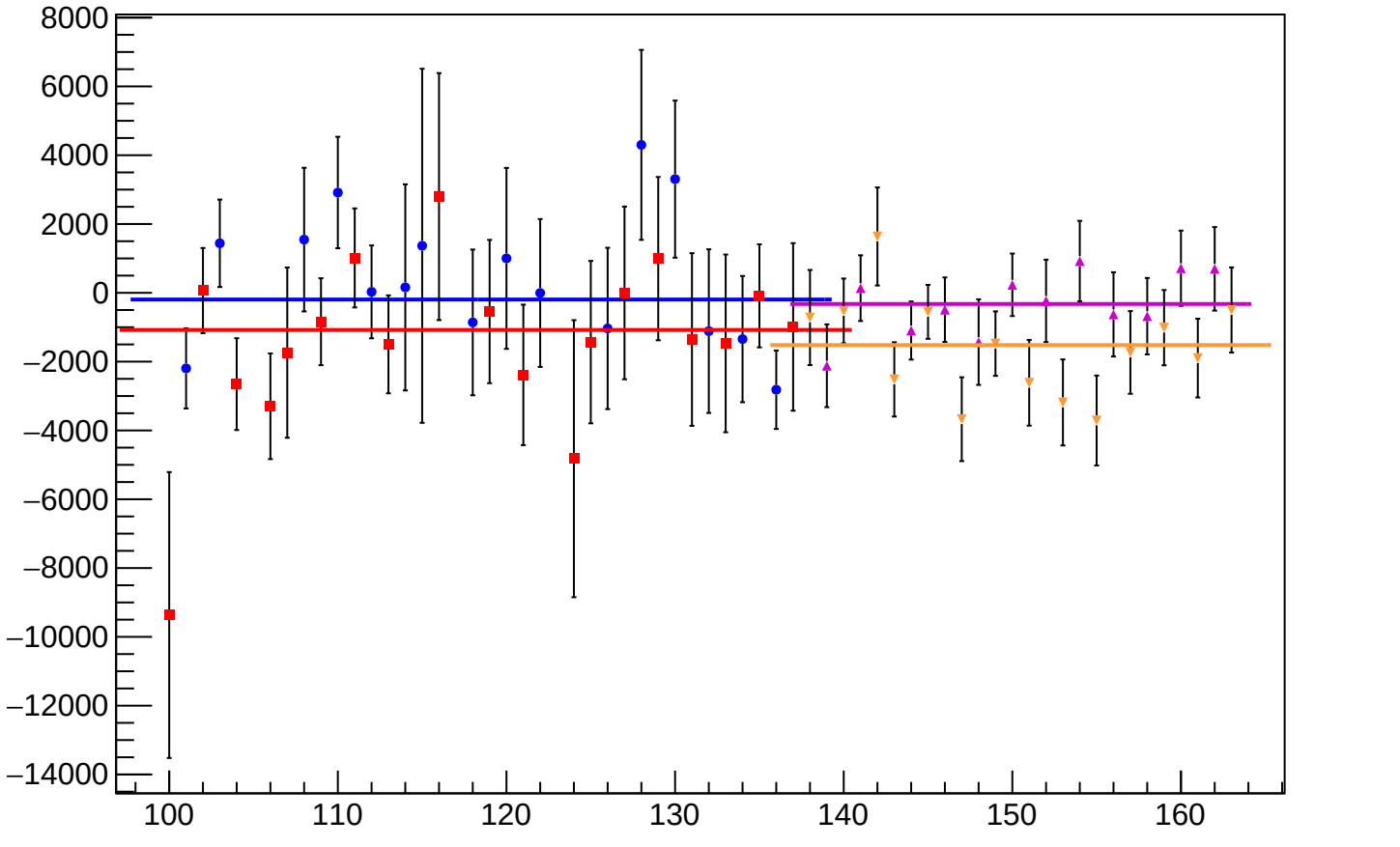
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.959+/-0.029 χ^2/NDF:249813.6/11

+ sign 127.024+/-0.021 χ^2/NDF: 846188.3/29

All: 125.563+/-0.015 χ^2/NDF: 1680860.4/60

- sign 124.111+/-0.021 χ^2/NDF: 825245.2/30



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1518.385+/-297.969 χ^2/NDF:18.3/13

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

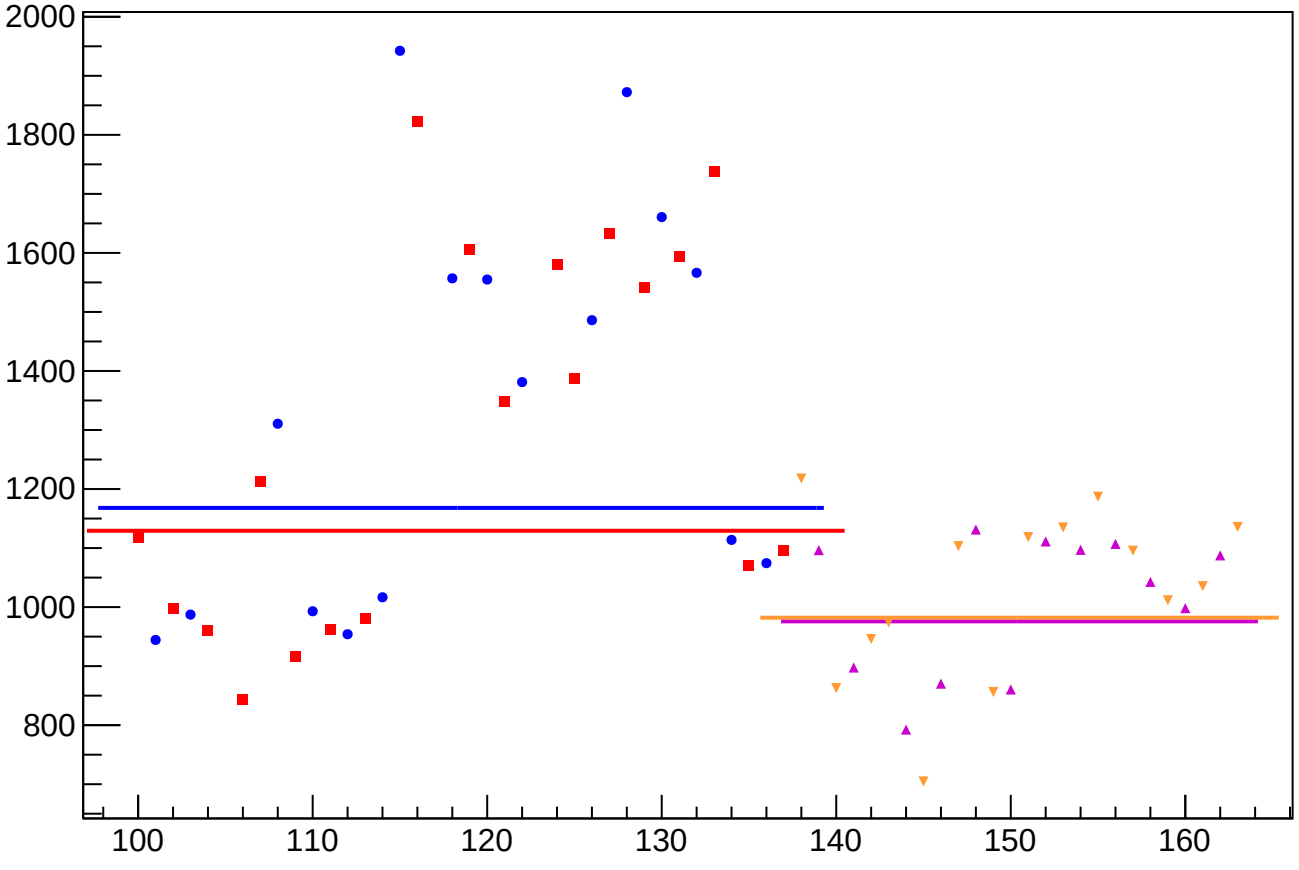
Left In: -324.424+/-307.013 χ^2/NDF:7.4/11

+ sign -1111.695+/-247.990 χ^2/NDF: 44.7/29

All: -848.259+/-175.733 χ^2/NDF: 71.0/60

- sign -582.543+/-249.060 χ^2/NDF: 24.1/30

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 982.055+/-0.211 χ^2/NDF:556240.4/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

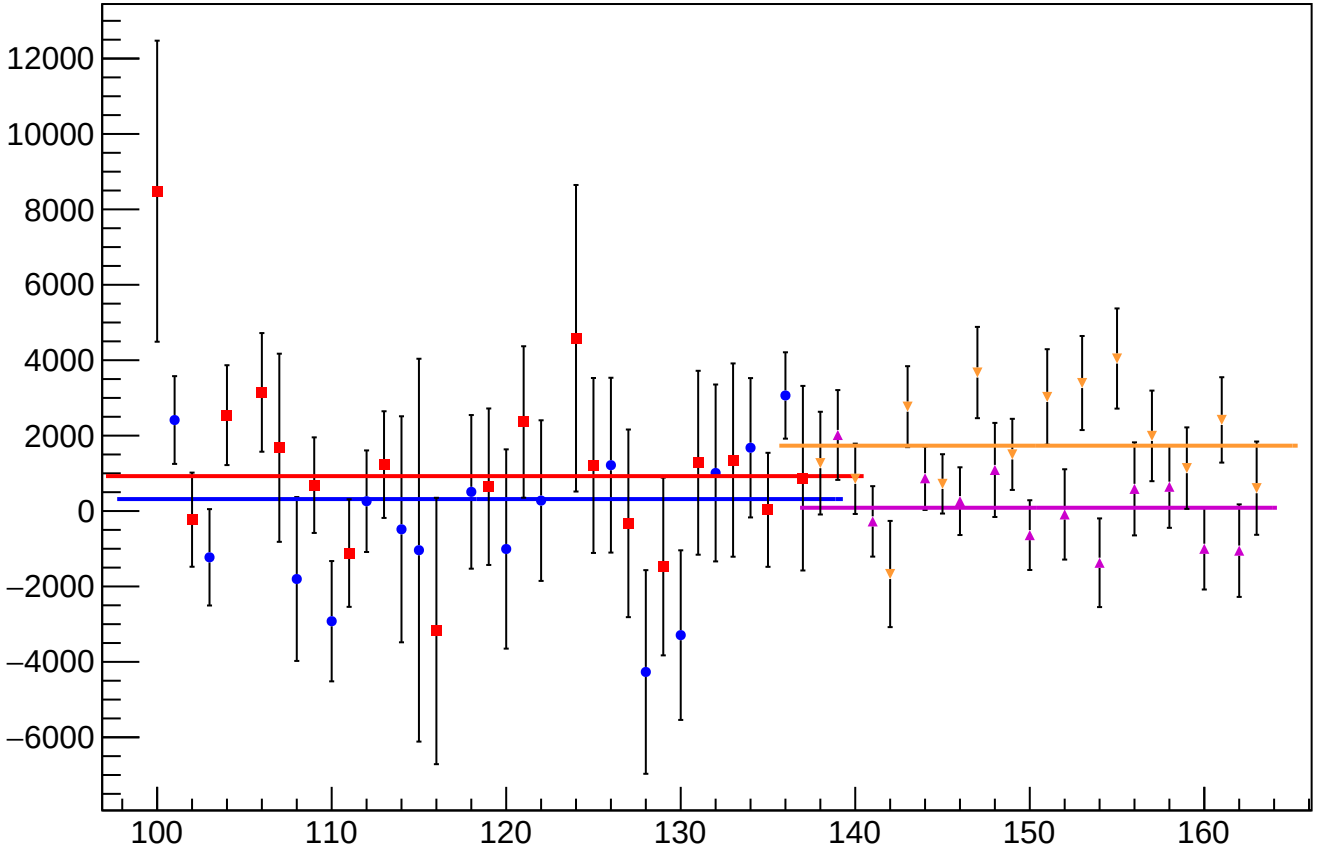
Left In: 975.851+/-0.217 χ^2/NDF:311886.5/11

+ sign 1039.221+/-0.175 χ^2/NDF: 1505132.8/29

All: 1033.794+/-0.124 χ^2/NDF: 2797021.7/60

- sign 1028.320+/-0.176 χ^2/NDF: 1289965.1/30

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1733.325+/-297.466 χ^2/NDF:19.4/13

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

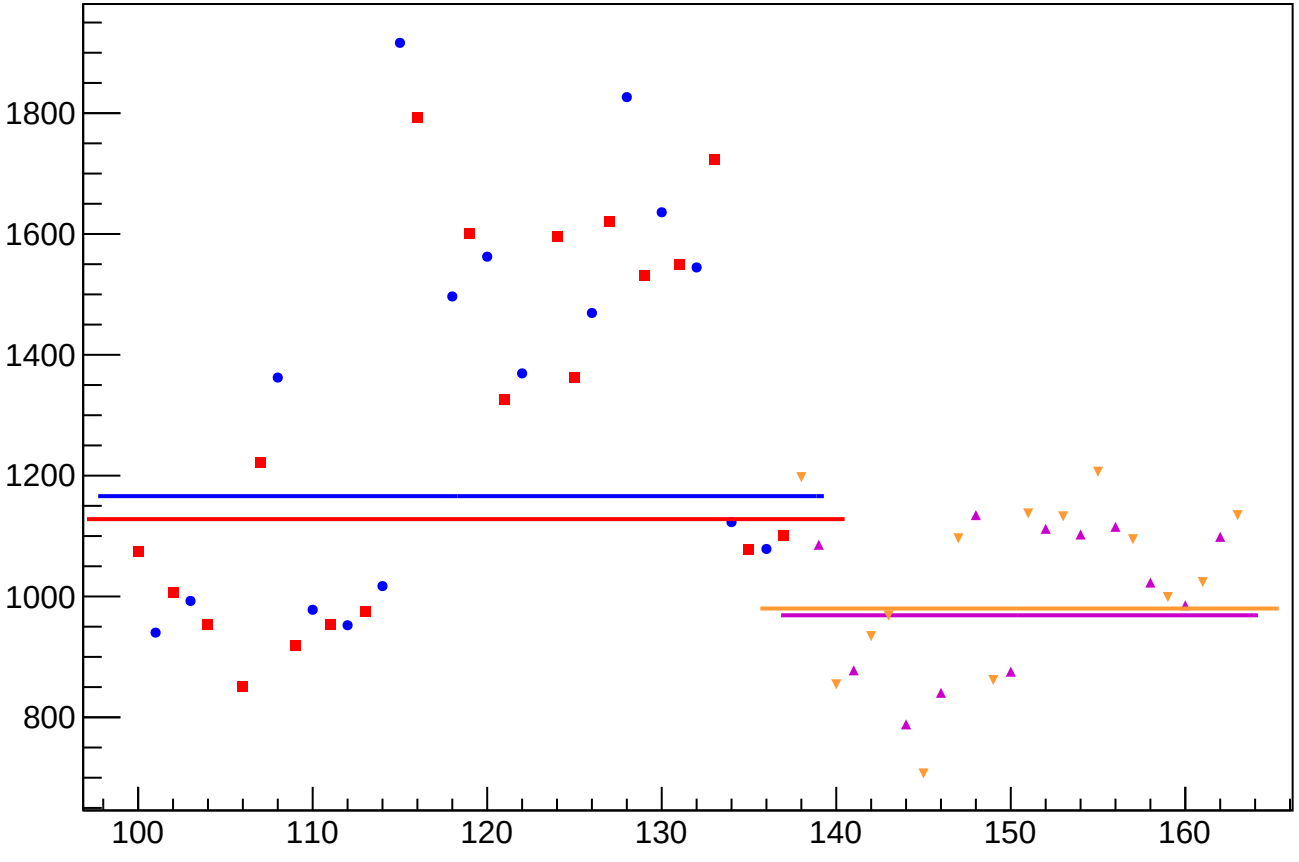
Left In: 87.074+/-304.897 χ^2/NDF:8.8/11

+ sign 1297.836+/-247.531 χ^2/NDF: 48.6/29

All: 835.349+/-175.132 χ^2/NDF: 81.5/60

- sign 371.786+/-247.819 χ^2/NDF: 25.9/30

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 980.079+/-0.210 χ^2/NDF:552313.6/13

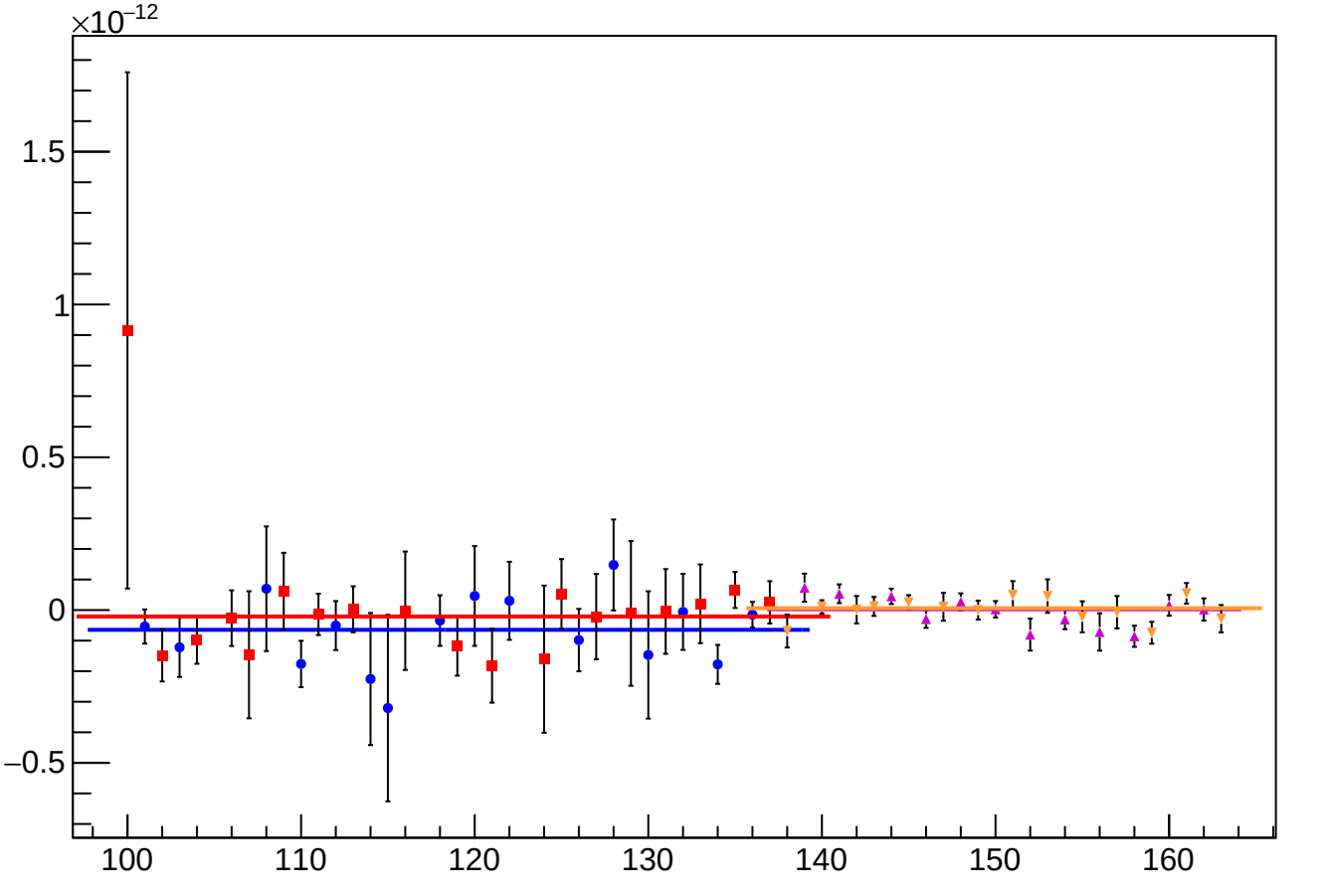
Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 968.851+/-0.216 χ^2/NDF:337386.9/11

+ sign 1037.278+/-0.175 χ^2/NDF: 1469814.7/29

All: 1030.078+/-0.124 χ^2/NDF: 2771296.2/60

- sign 1022.862+/-0.175 χ^2/NDF: 1298094.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

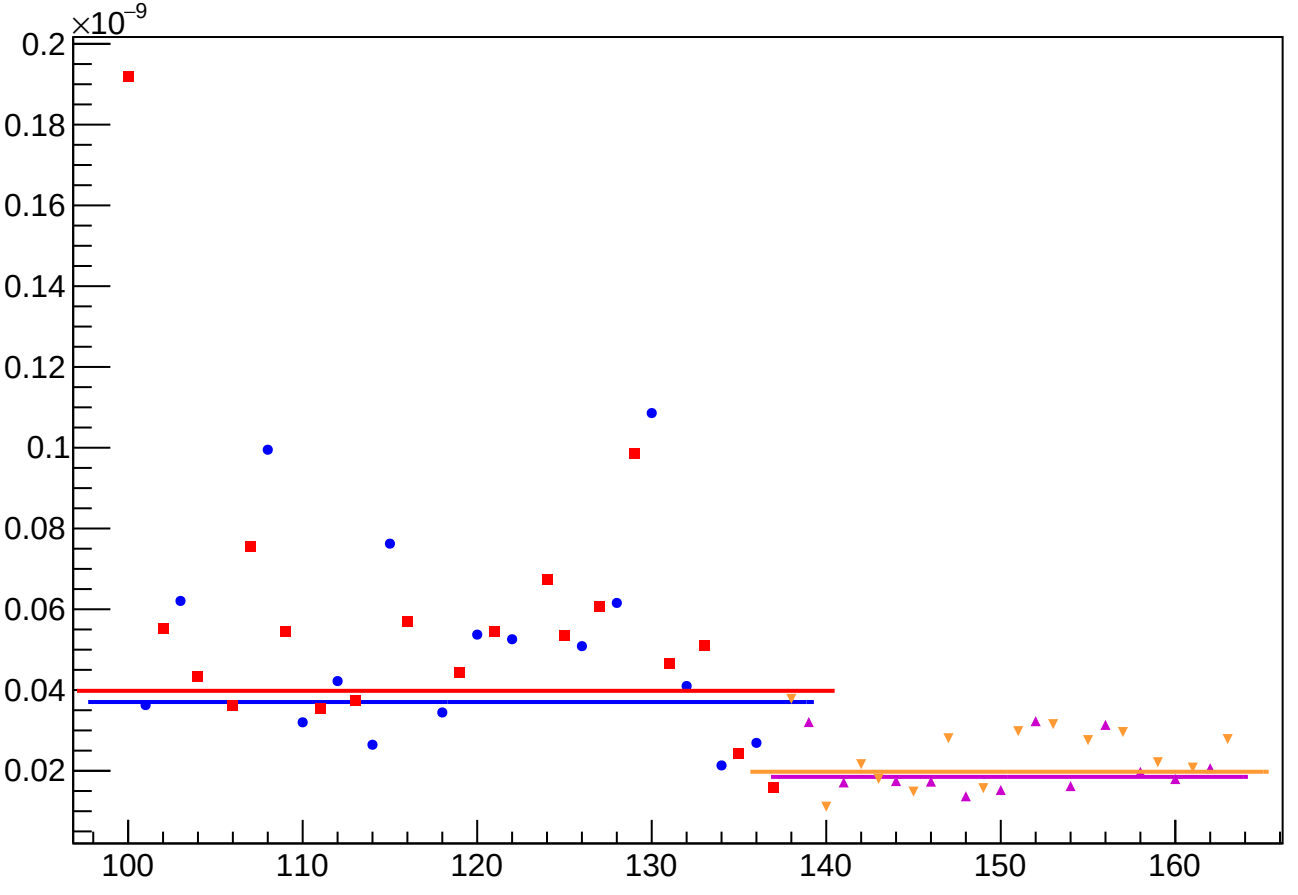
Left In: 0.000+/-0.000 χ^2/NDF:21.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/29

All: -0.000+/-0.000 χ^2/NDF: 67.7/60

- sign -0.000+/-0.000 χ^2/NDF: 34.0/30

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:1121832.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

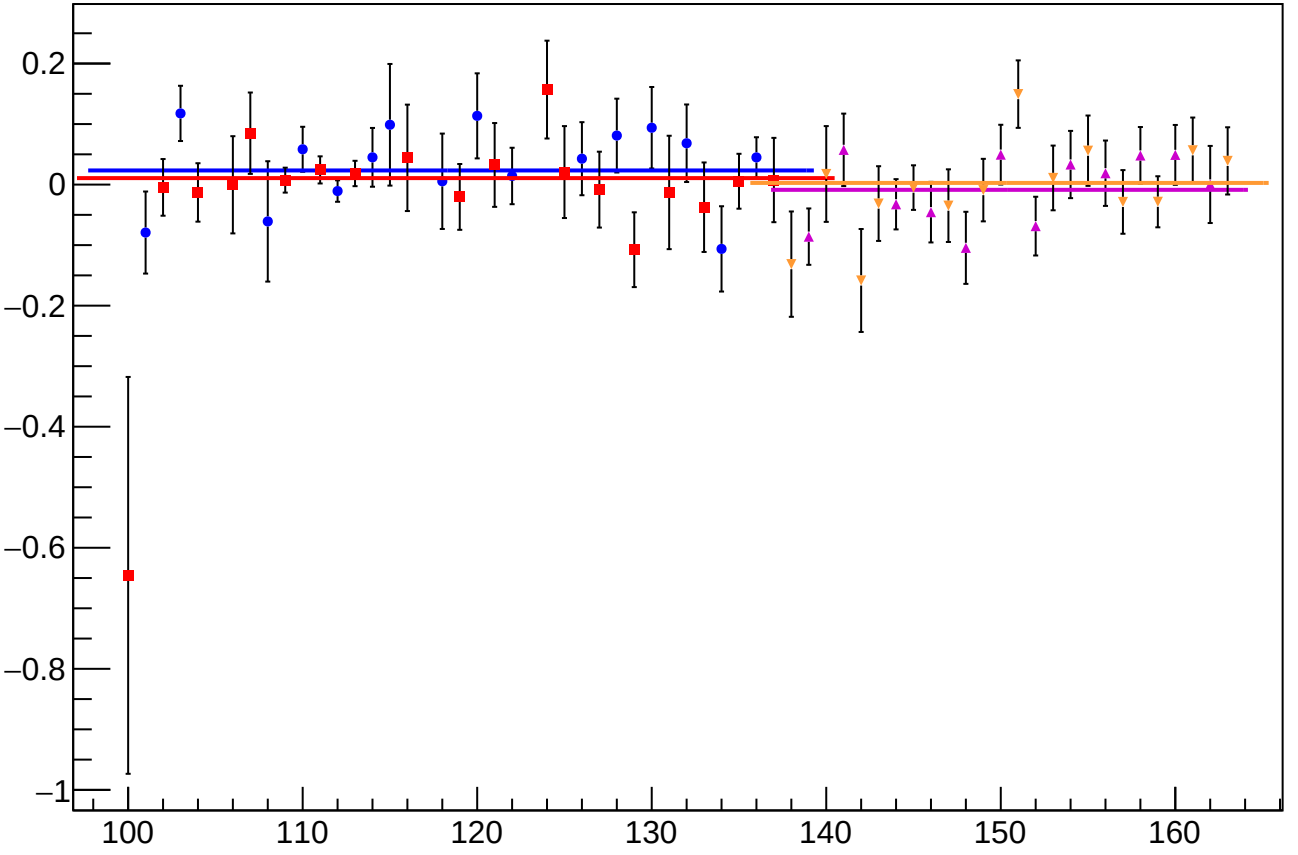
Left In: 0.000+/-0.000 χ^2/NDF:520927.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 3167664.0/29

All: 0.000+/-0.000 χ^2/NDF: 6056195.0/60

- sign 0.000+/-0.000 χ^2/NDF: 2877333.5/30

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: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

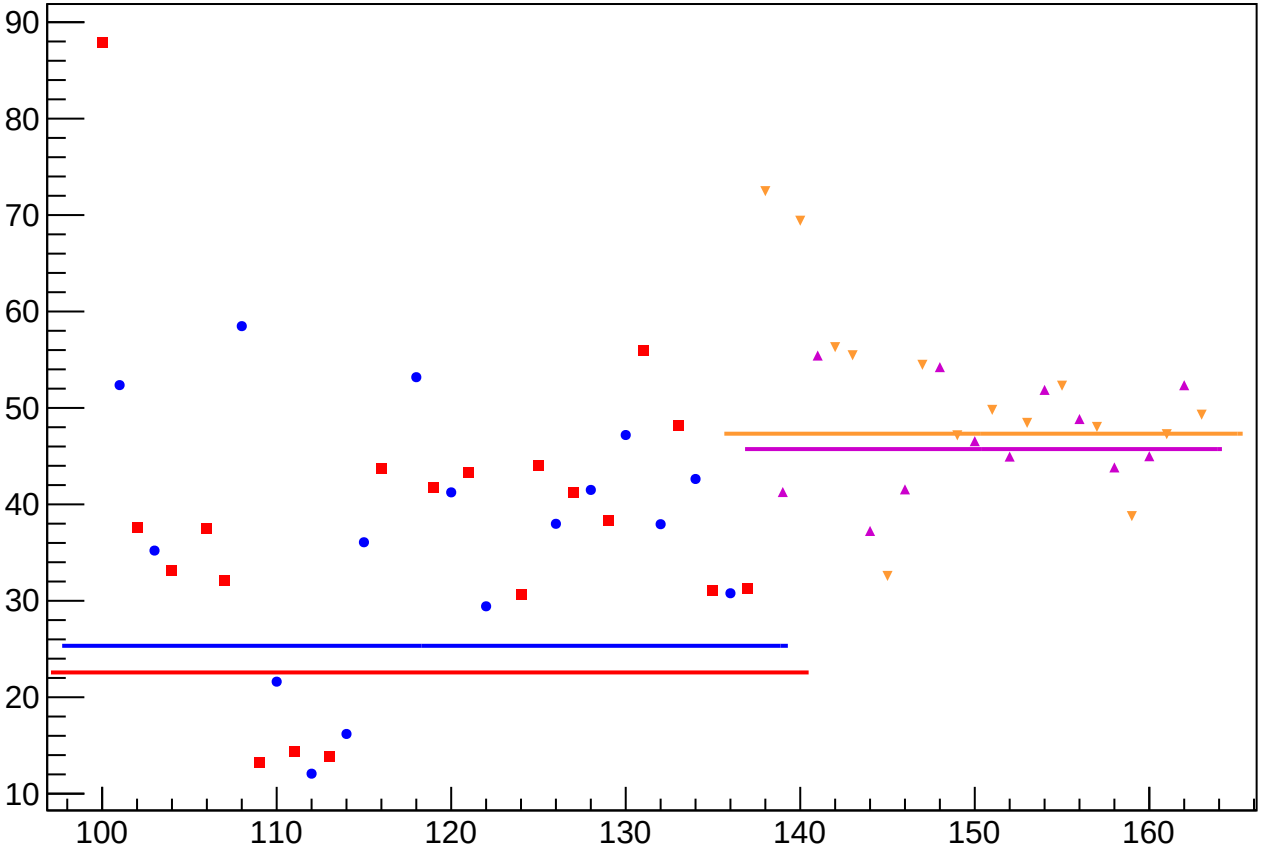
Left In: -0.009+/-0.015 χ^2/NDF:14.0/11

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 69.2/60

- sign 0.005+/-0.008 χ^2/NDF: 29.5/30

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: 47.329+/-0.010 χ^2/NDF:833424.4/13

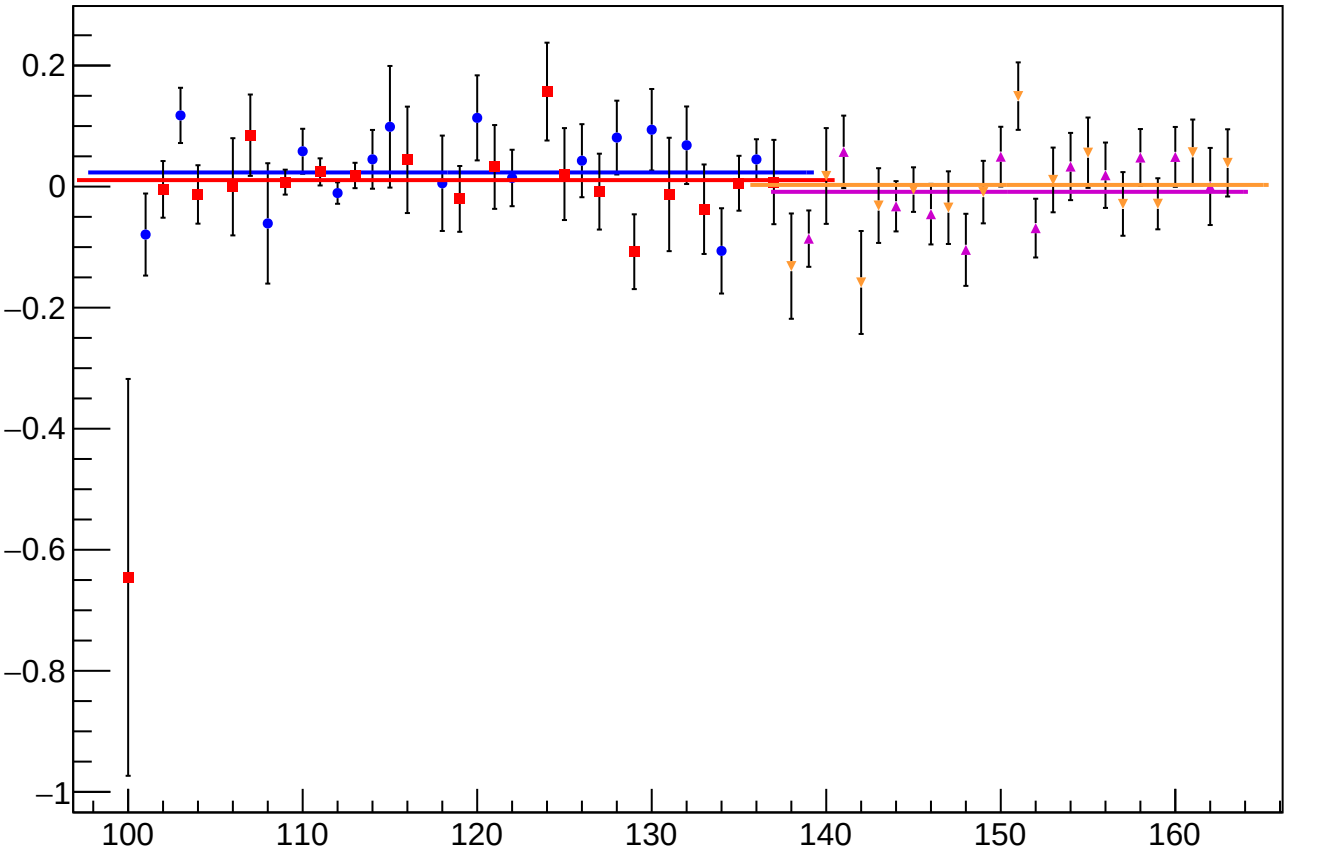
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.733+/-0.010 χ^2/NDF:266519.9/11

+ sign 33.305+/-0.006 χ^2/NDF: 6620566.8/29

All: 31.349+/-0.004 χ^2/NDF: 13636903.0/60

- sign 29.682+/-0.006 χ^2/NDF: 6834966.7/30



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

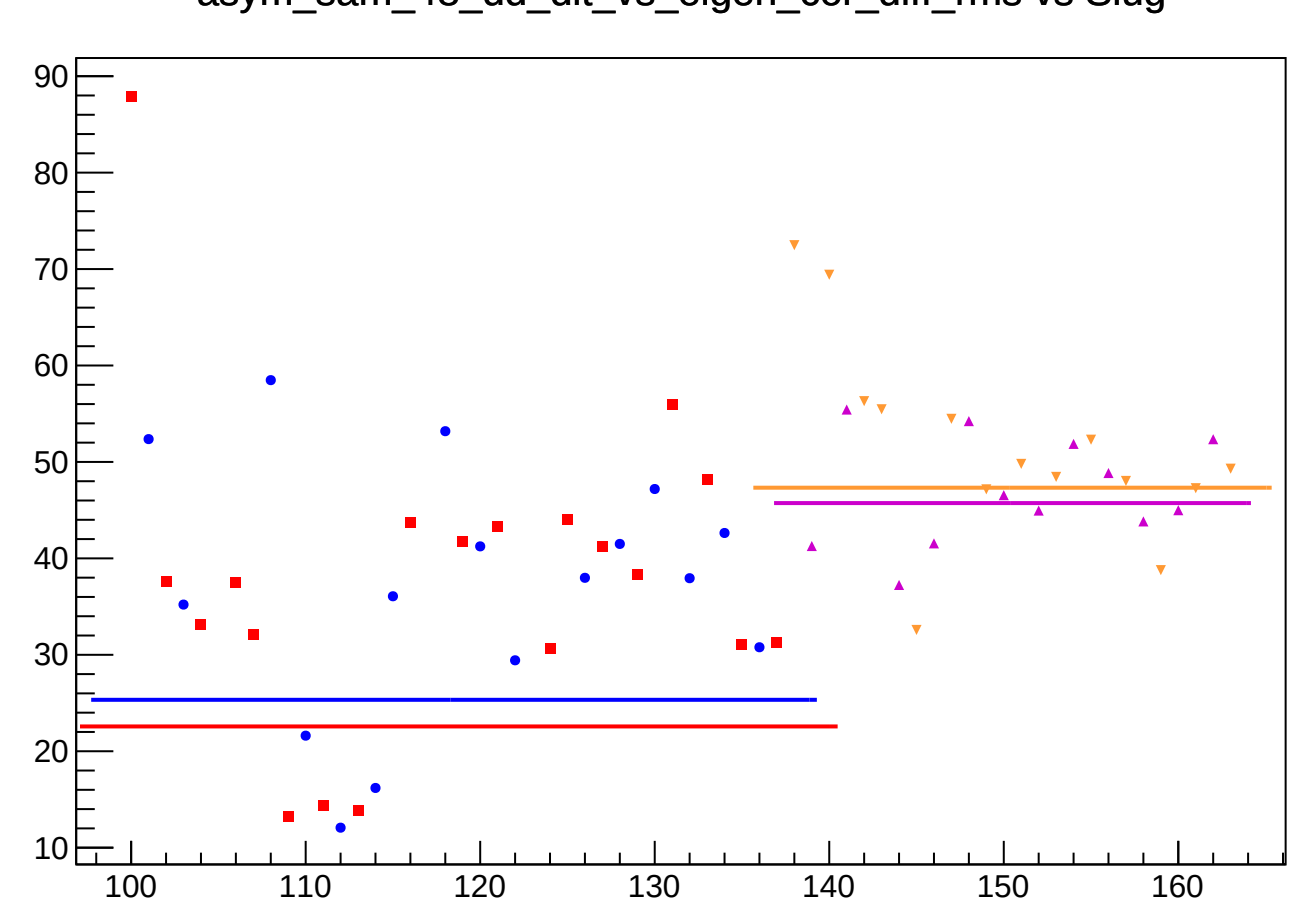
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.015 χ^2/NDF:14.0/11

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 69.2/60

- sign 0.005+/-0.008 χ^2/NDF: 29.5/30



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

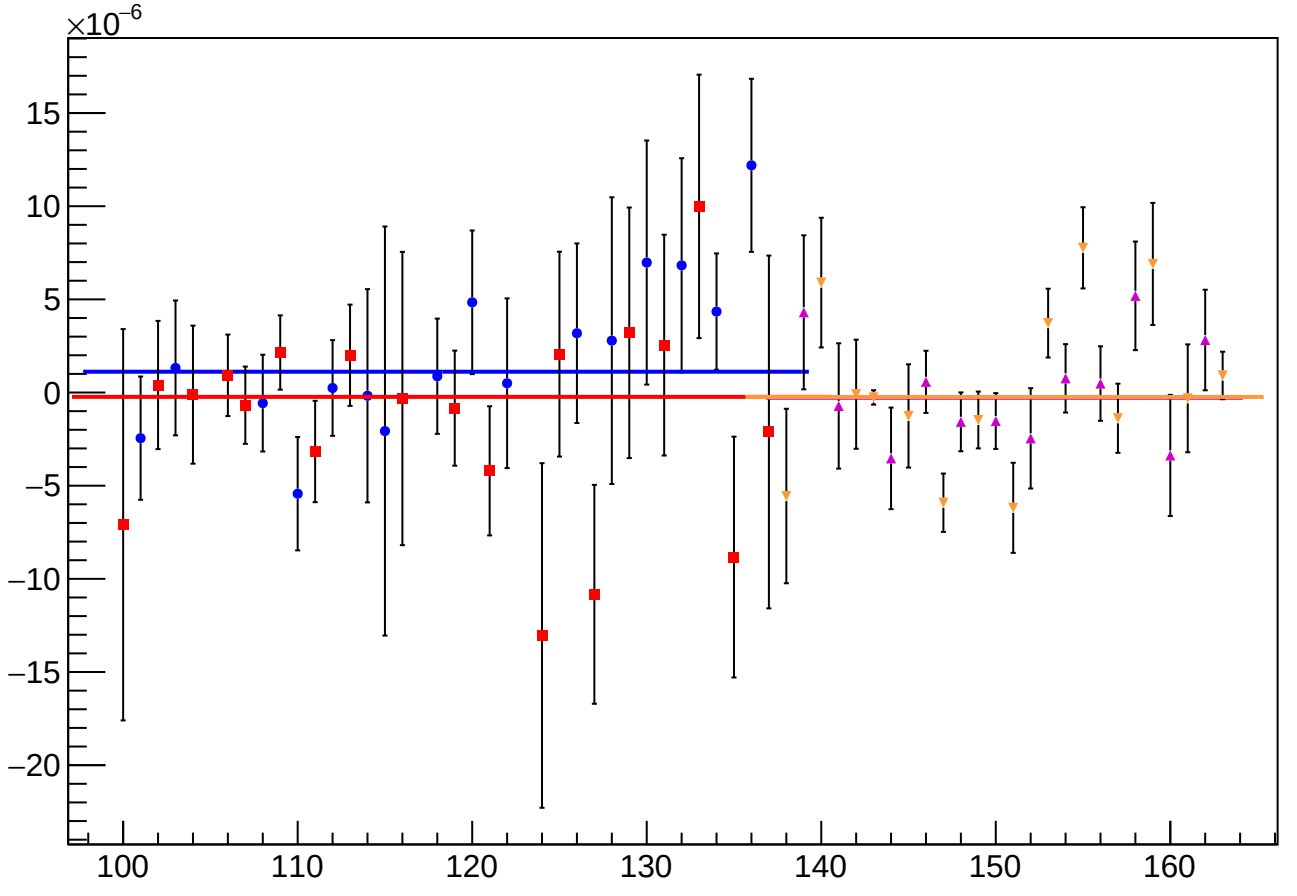
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.733+/-0.010 χ^2/NDF:266519.9/11

+ sign 33.305+/-0.006 χ^2/NDF: 6620566.8/29

All: 31.349+/-0.004 χ^2/NDF: 13636903.0/60

- sign 29.682+/-0.006 χ^2/NDF: 6834966.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/13

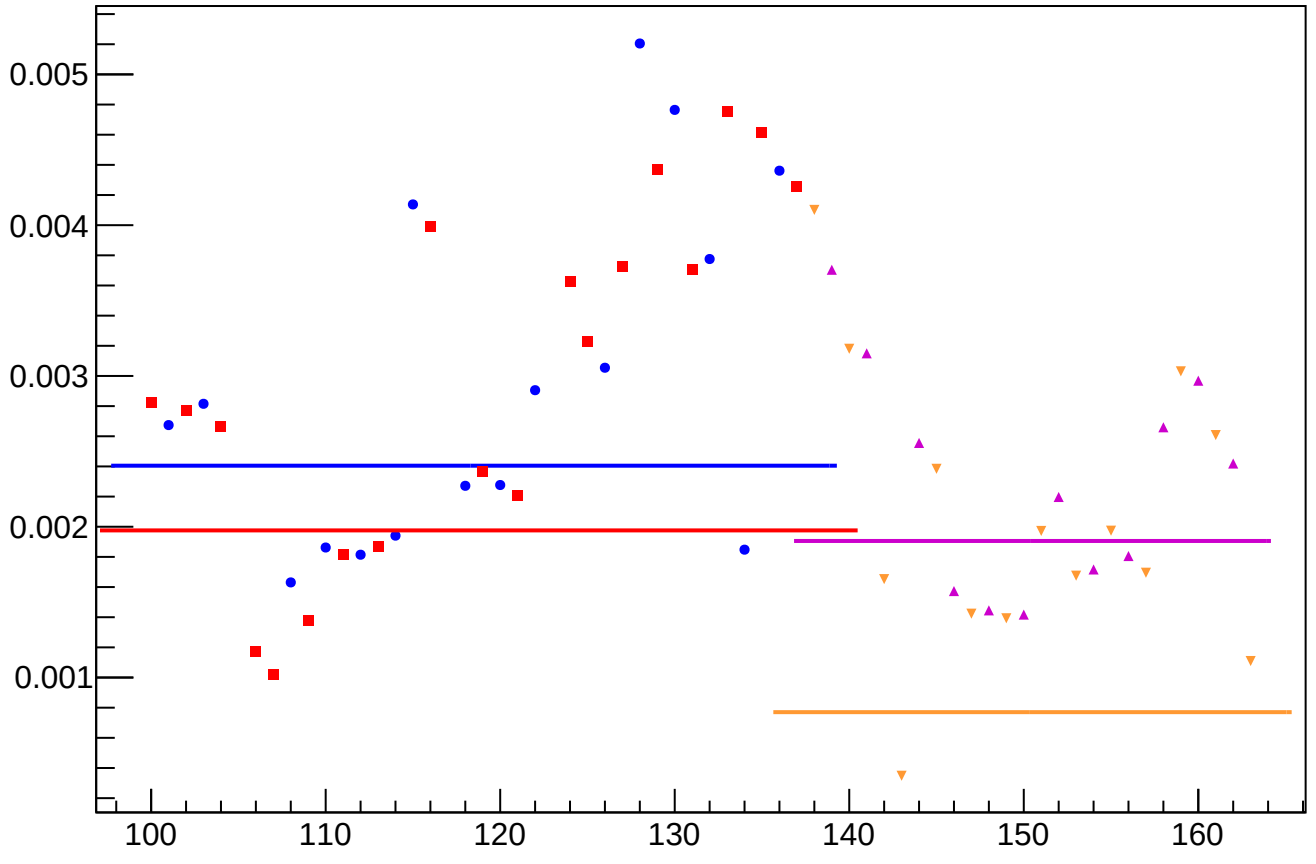
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/11

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/29

All: -0.000+/-0.000 χ^2/NDF: 92.8/60

- sign -0.000+/-0.000 χ^2/NDF: 26.3/30



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9881703.1/13

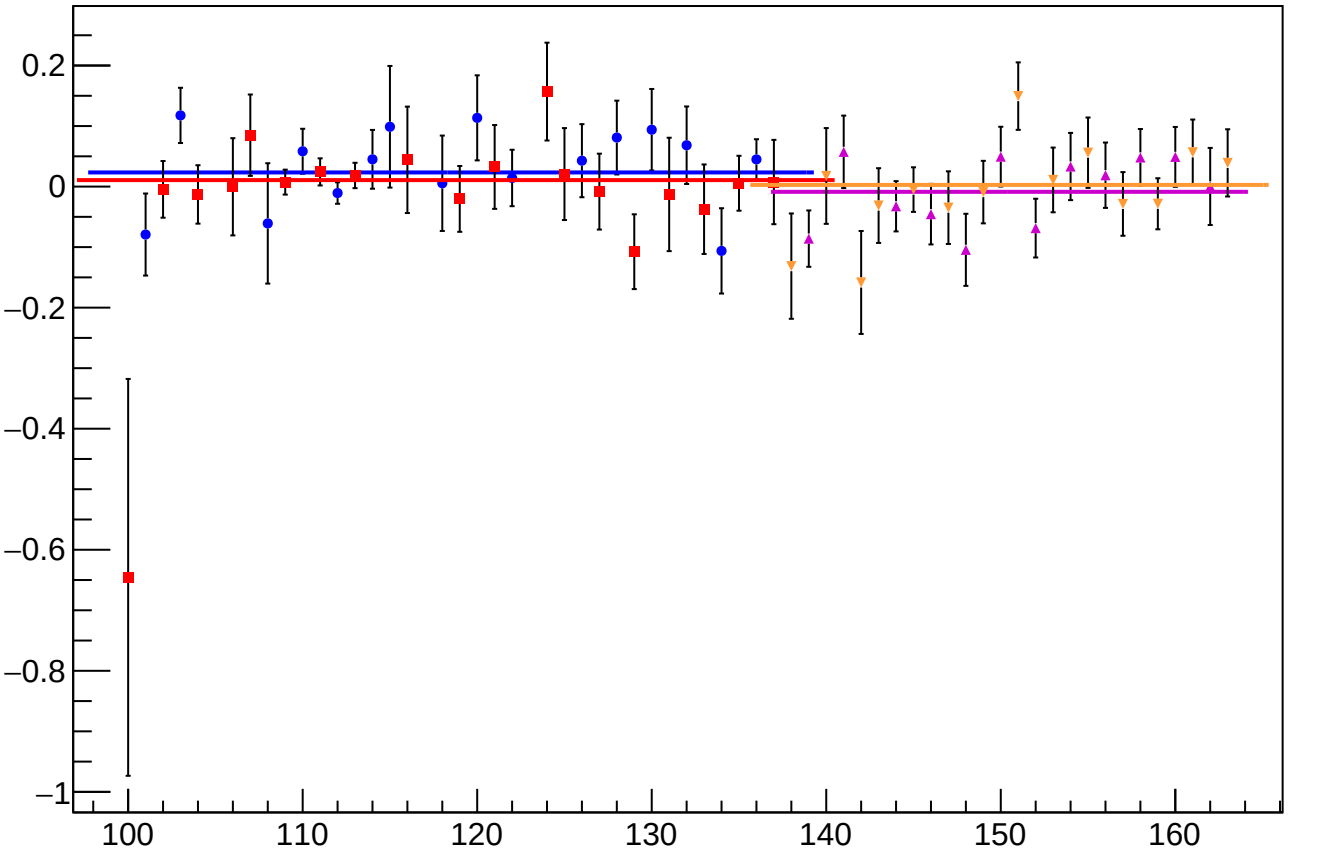
Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1698089.1/11

+ sign 0.001+/-0.000 χ^2/NDF: 16721784.7/29

All: 0.001+/-0.000 χ^2/NDF: 27033657.2/60

- sign 0.002+/-0.000 χ^2/NDF: 4482747.6/30



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

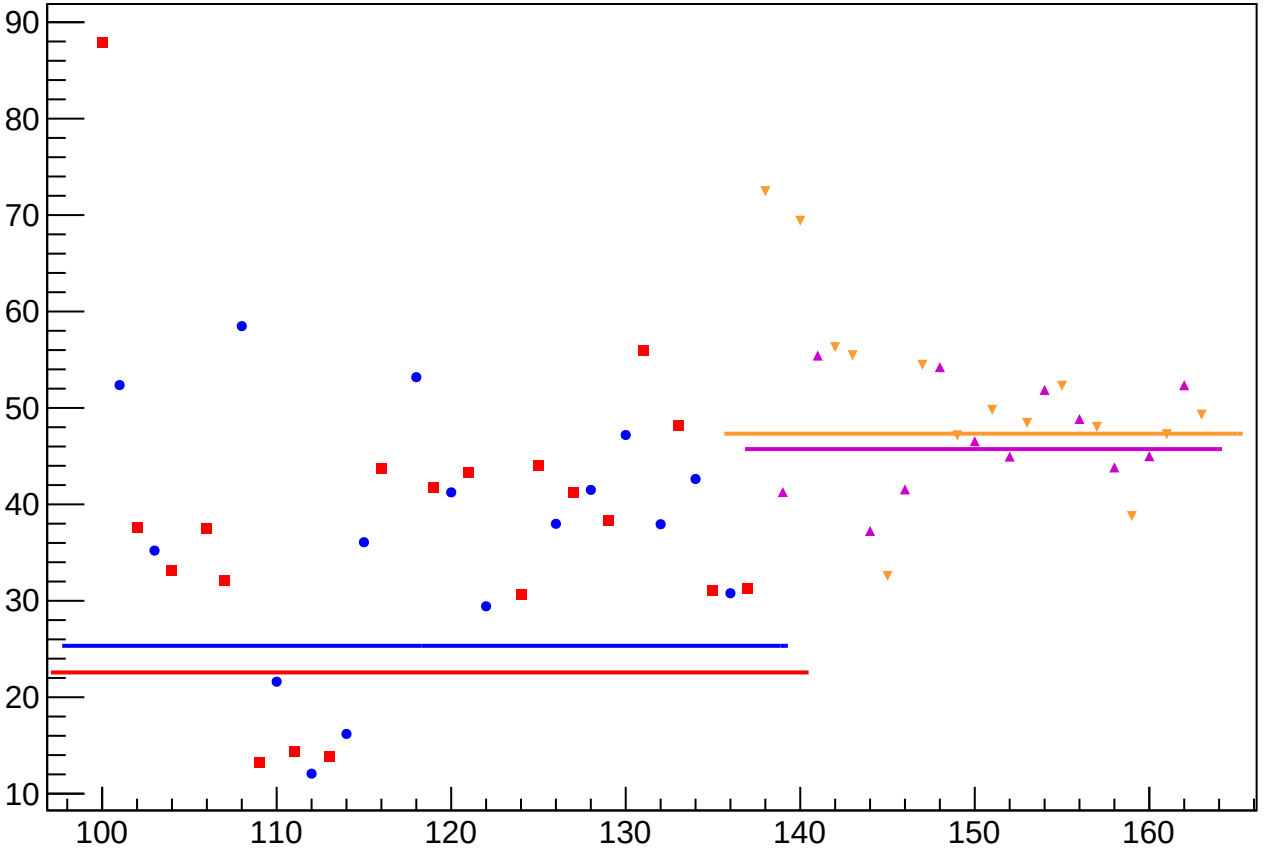
Left In: -0.009+/-0.015 χ^2/NDF:14.0/11

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 69.2/60

- sign 0.005+/-0.008 χ^2/NDF: 29.5/30

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: 47.329+/-0.010 χ^2/NDF:833379.2/13

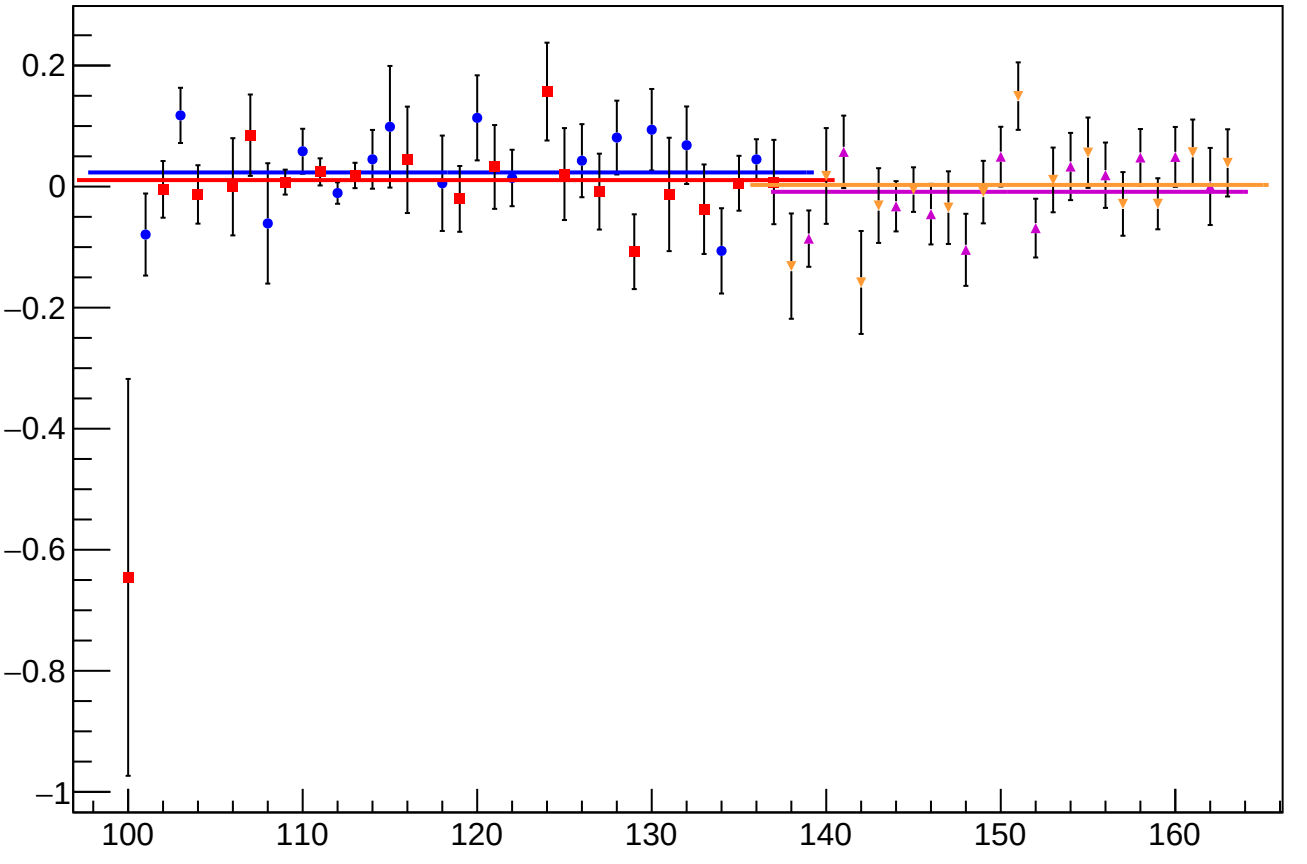
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.734+/-0.010 χ^2/NDF:266516.0/11

+ sign 33.304+/-0.006 χ^2/NDF: 6621444.7/29

All: 31.349+/-0.004 χ^2/NDF: 13638060.7/60

- sign 29.682+/-0.006 χ^2/NDF: 6835326.0/30



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

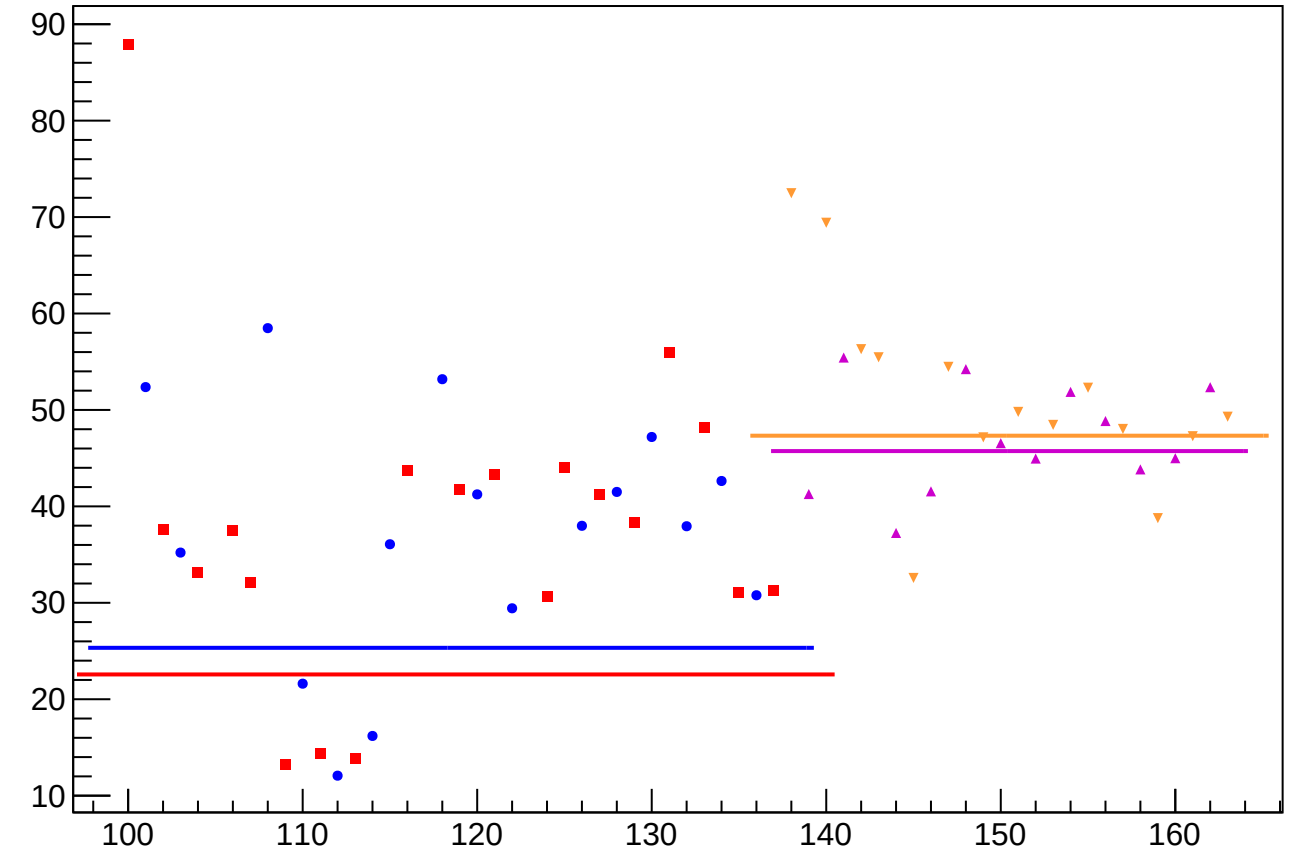
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.009+/-0.015 χ^2/NDF:14.0/11

+ sign 0.016+/-0.009 χ^2/NDF: 38.9/29

All: 0.010+/-0.006 χ^2/NDF: 69.2/60

- sign 0.005+/-0.008 χ^2/NDF: 29.5/30



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.329+/-0.010 χ^2/NDF:833379.2/13

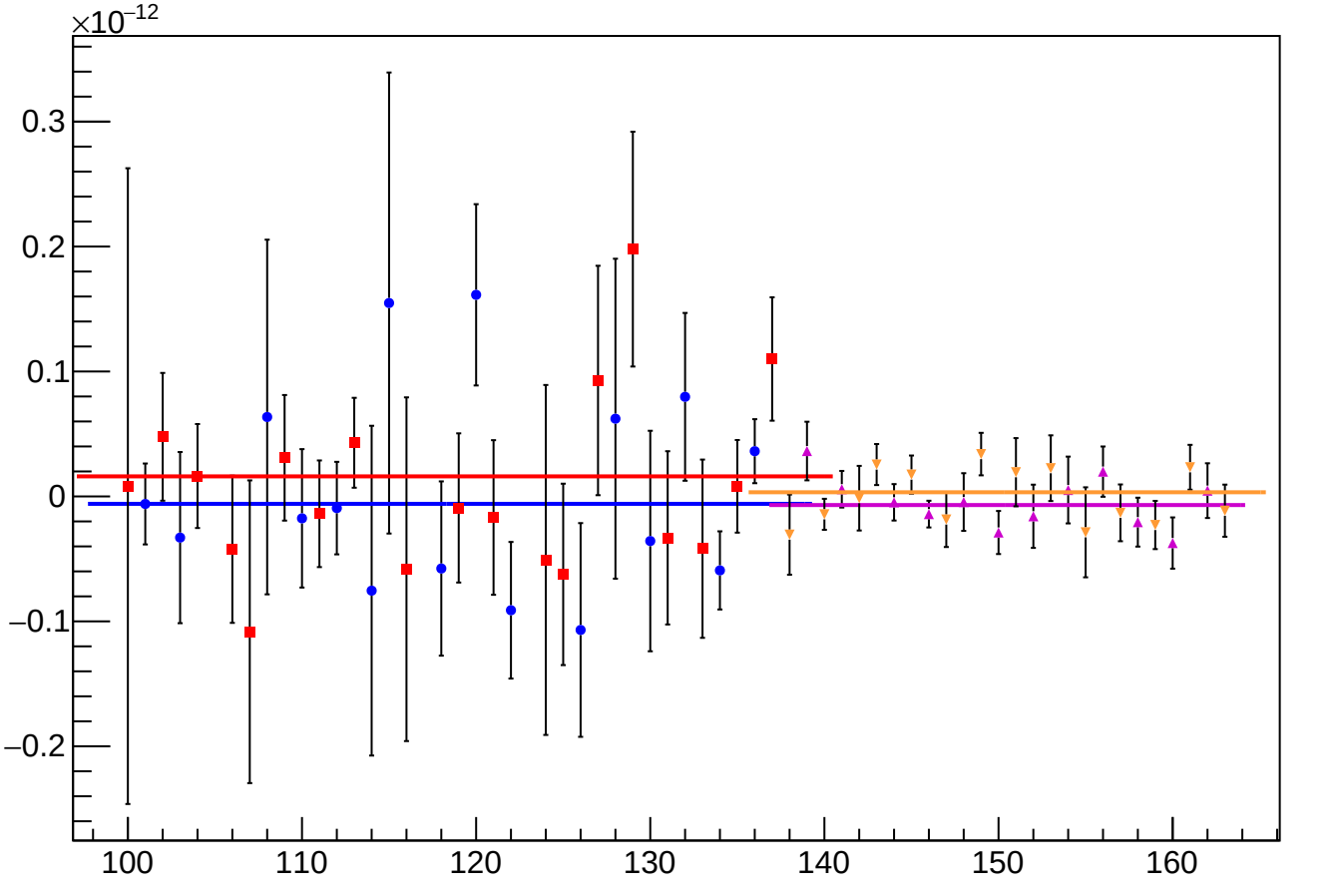
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.734+/-0.010 χ^2/NDF:266516.0/11

+ sign 33.304+/-0.006 χ^2/NDF: 6621444.7/29

All: 31.349+/-0.004 χ^2/NDF: 13638060.7/60

- sign 29.682+/-0.006 χ^2/NDF: 6835326.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/13

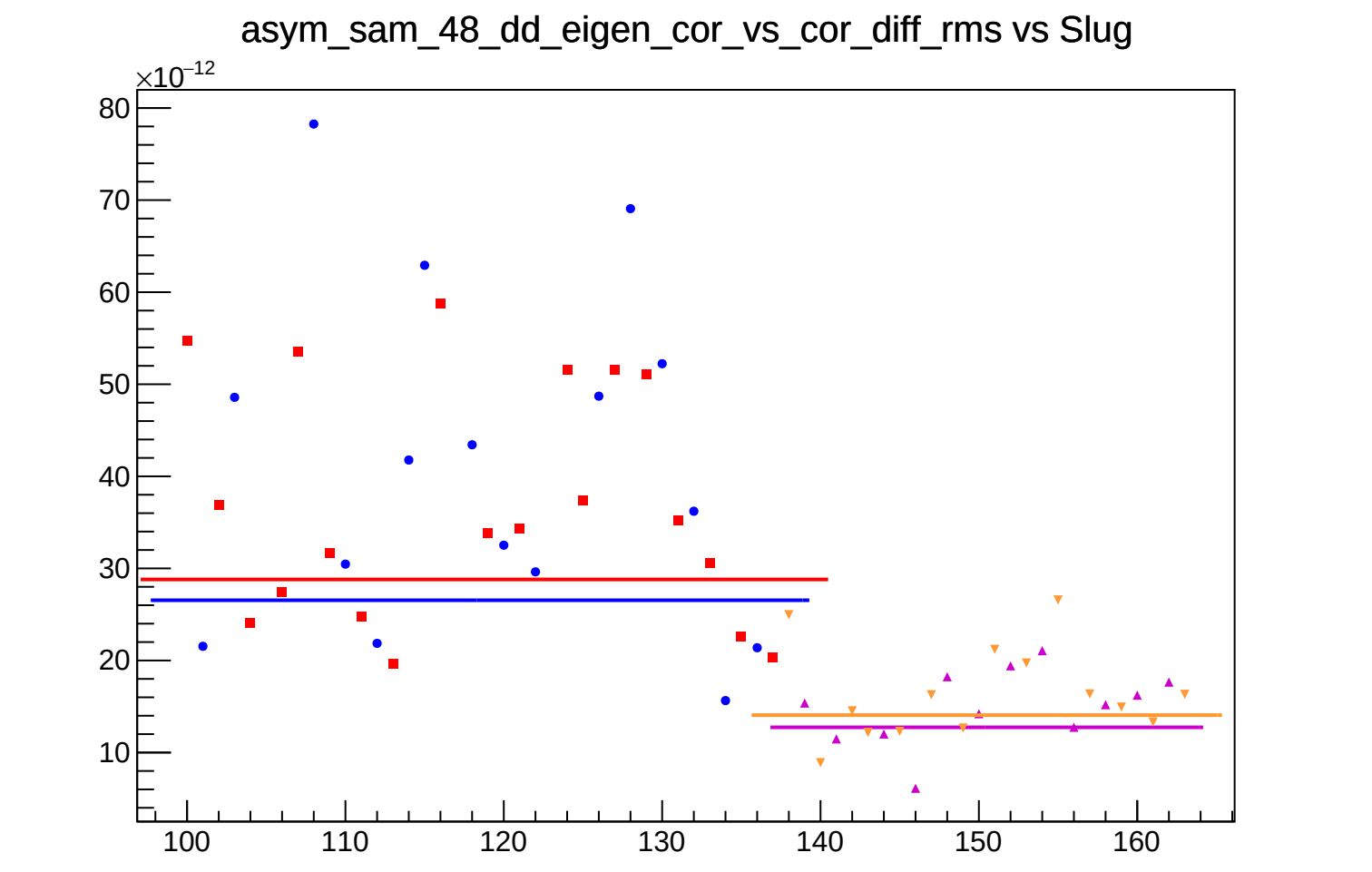
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/29

All: -0.000+/-0.000 χ^2/NDF: 64.7/60

- sign -0.000+/-0.000 χ^2/NDF: 28.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187454.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

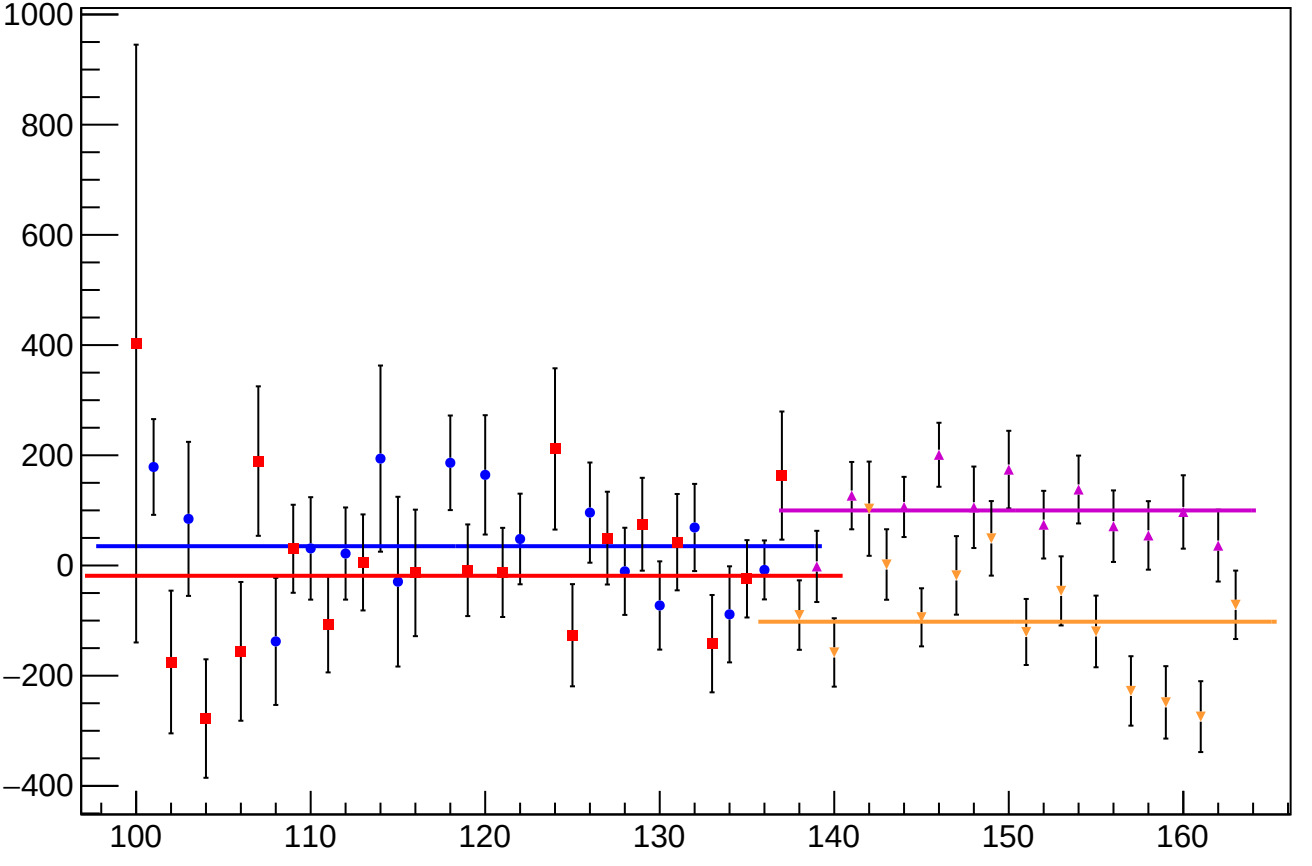
Left In: 0.000+/-0.000 χ^2/NDF:1462918.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 4524281.8/29

All: 0.000+/-0.000 χ^2/NDF: 9483251.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4911503.8/30

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.014+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

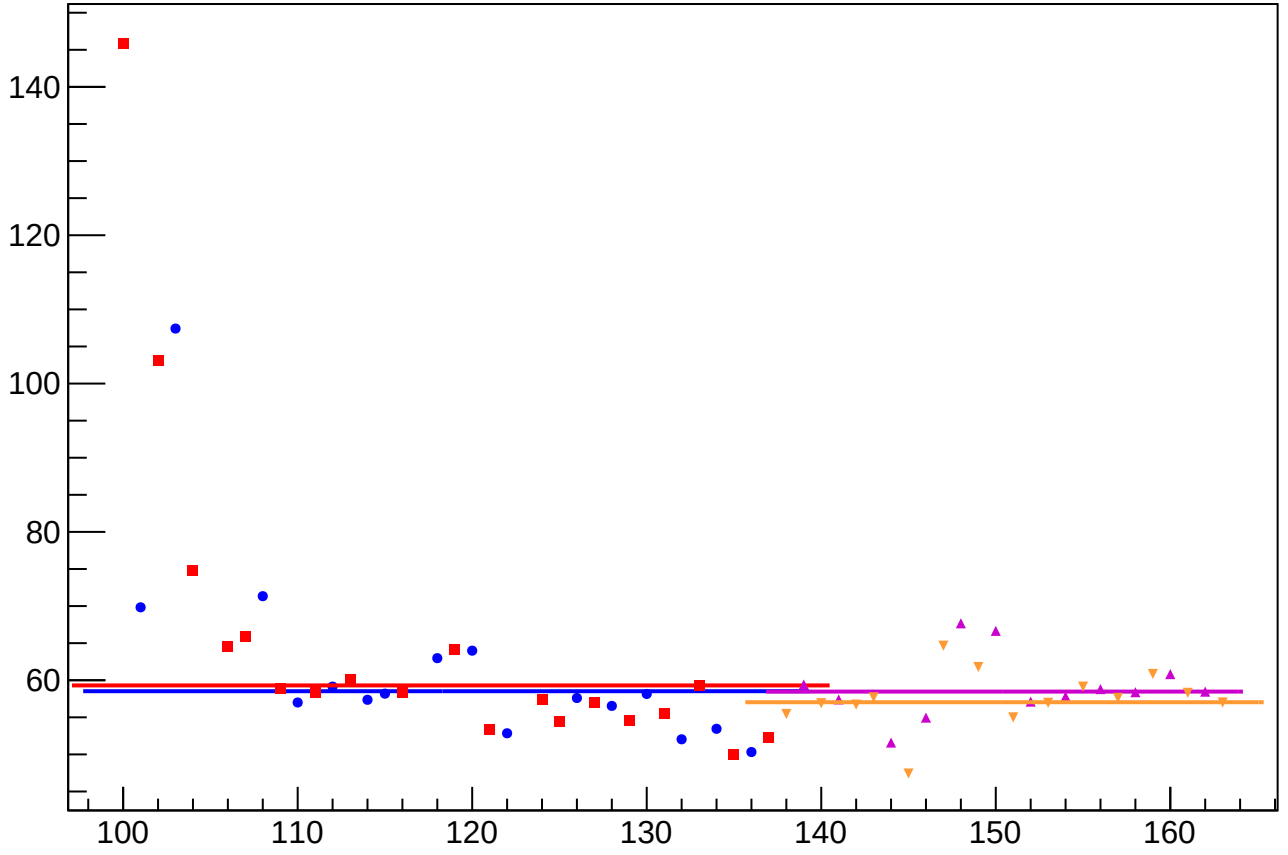
Left In: 99.888+/-18.231 χ^2/NDF:9.1/11

\+ sign -50.812+/-13.530 χ^2/NDF: 73.2/29

All: -1.442+/-9.753 χ^2/NDF: 150.5/60

\- sign 51.967+/-14.073 χ^2/NDF: 49.7/30

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

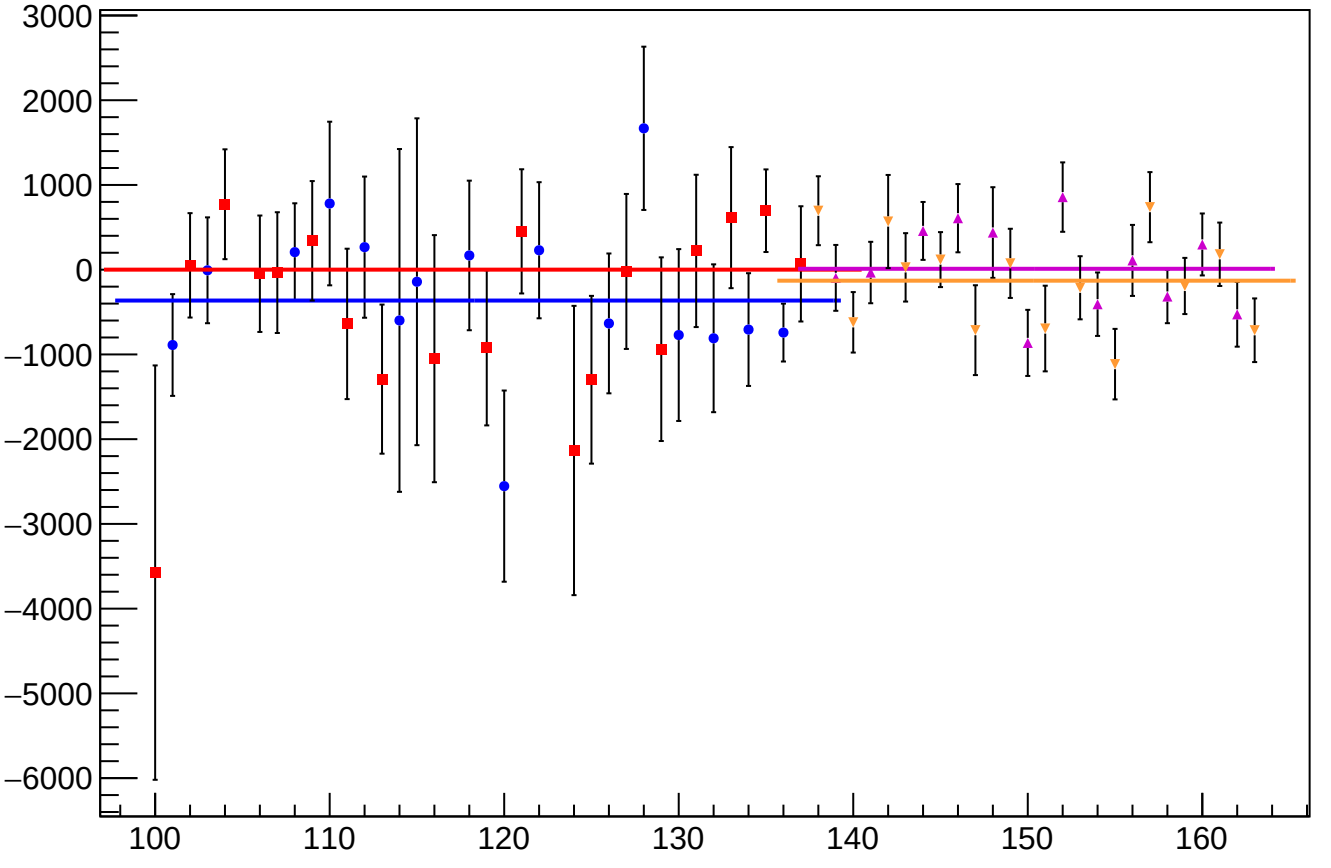
Left In: 58.469+/-0.013 χ^2/NDF:101782.7/11

+ sign 57.591+/-0.010 χ^2/NDF: 511253.6/29

All: 58.174+/-0.007 χ^2/NDF: 1029071.5/60

- sign 58.805+/-0.010 χ^2/NDF: 510079.1/30

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -129.661+/-106.312 χ^2/NDF:24.3/13

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

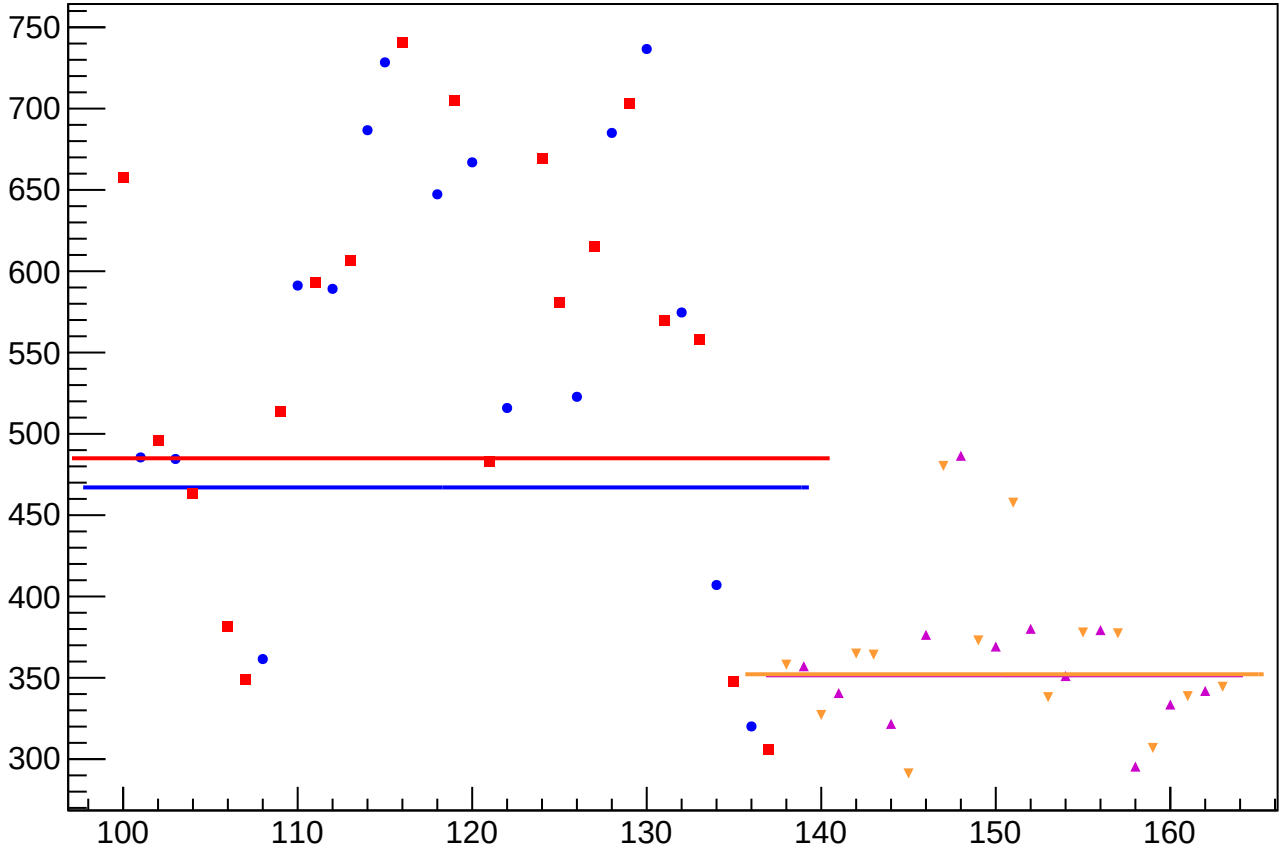
Left In: 10.623+/-110.261 χ^2/NDF:18.9/11

\+ sign -189.986+/-91.617 χ^2/NDF: 40.8/29

All: -94.037+/-65.763 χ^2/NDF: 77.0/60

\- sign 7.947+/-94.454 χ^2/NDF: 34.0/30

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 352.175+/-0.075 χ^2/NDF:351426.6/13

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

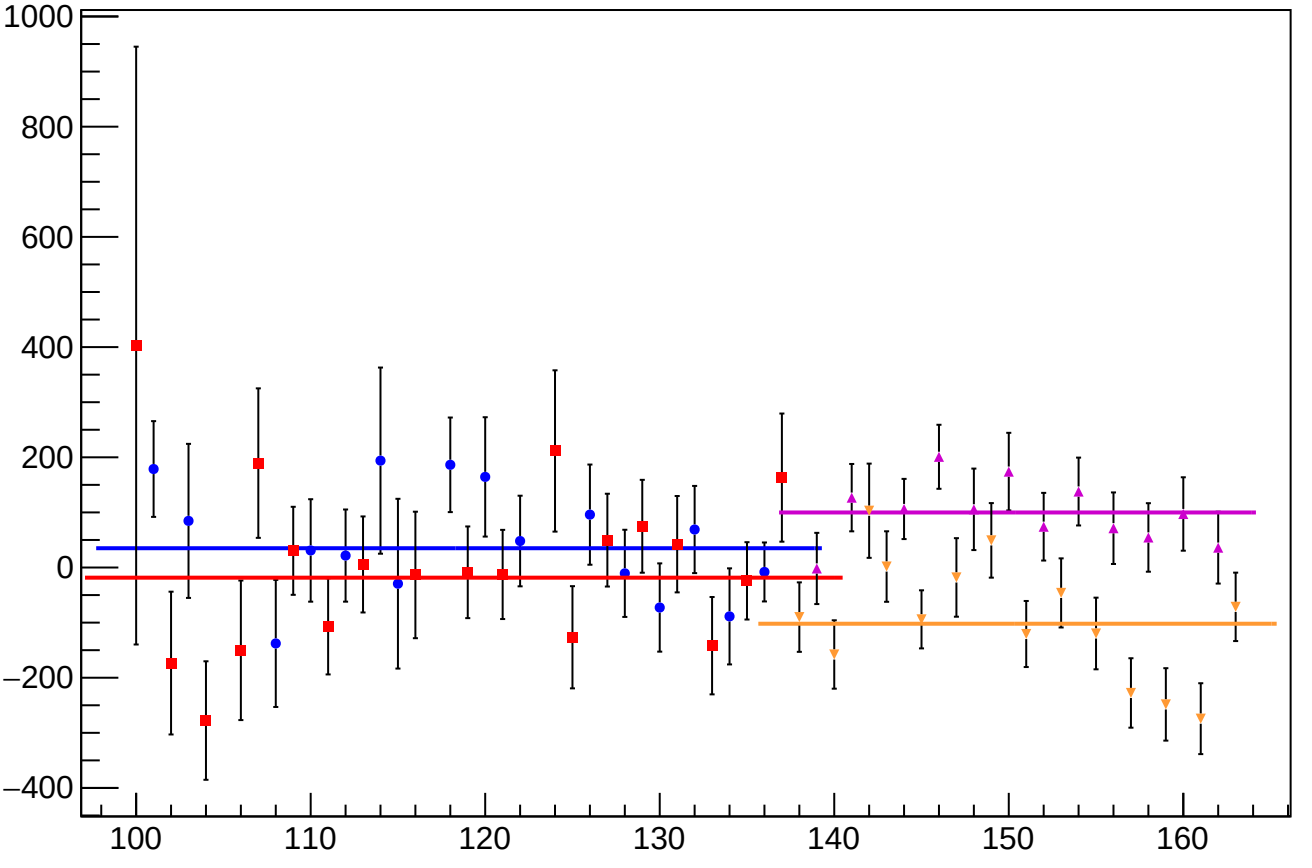
Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

+ sign 381.742+/-0.065 χ^2/NDF: 1982834.5/29

All: 384.313+/-0.047 χ^2/NDF: 3884876.6/60

- sign 387.045+/-0.067 χ^2/NDF: 1898793.2/30

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

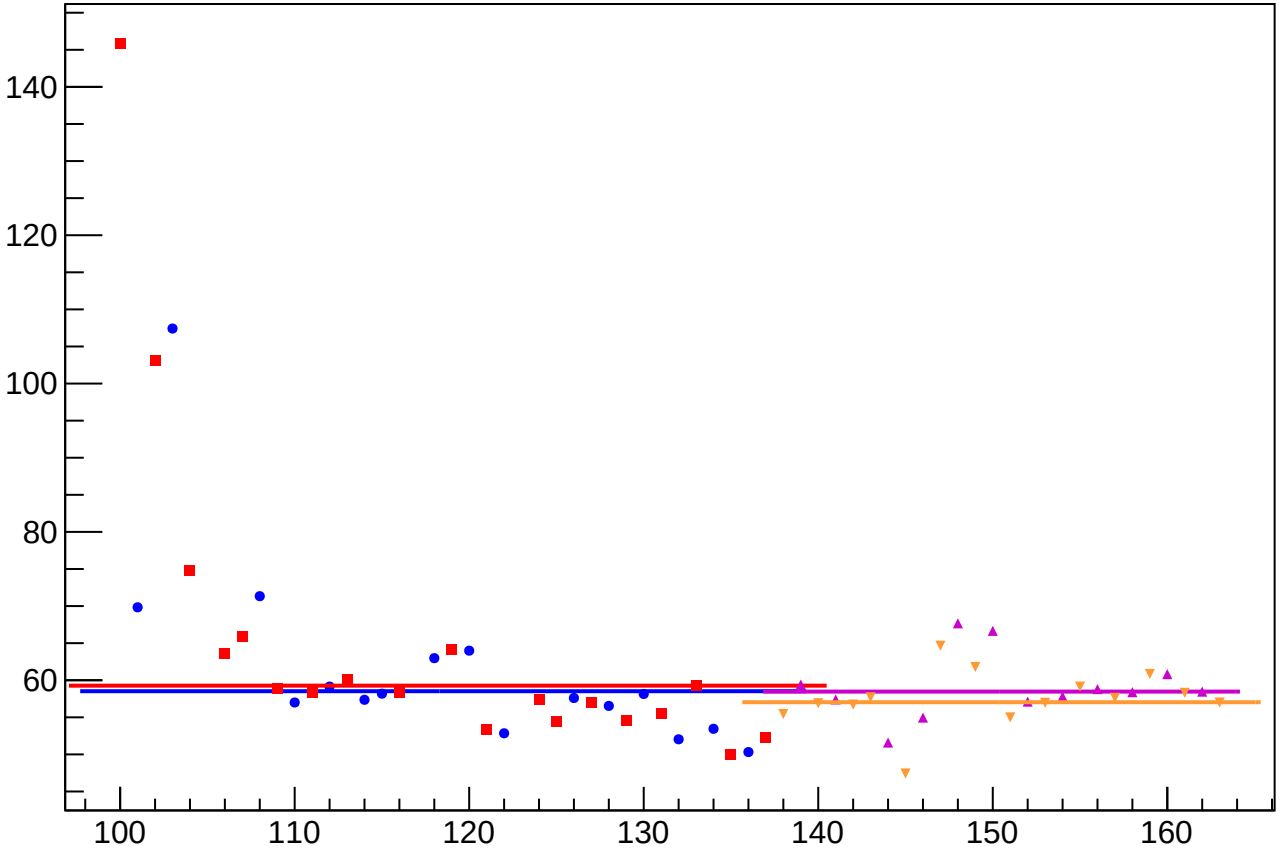
Left In: 99.890+/-18.231 χ^2/NDF:9.1/11

\+ sign -50.811+/-13.530 χ^2/NDF: 73.2/29

All: -1.387+/-9.754 χ^2/NDF: 150.4/60

\- sign 52.089+/-14.074 χ^2/NDF: 49.4/30

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

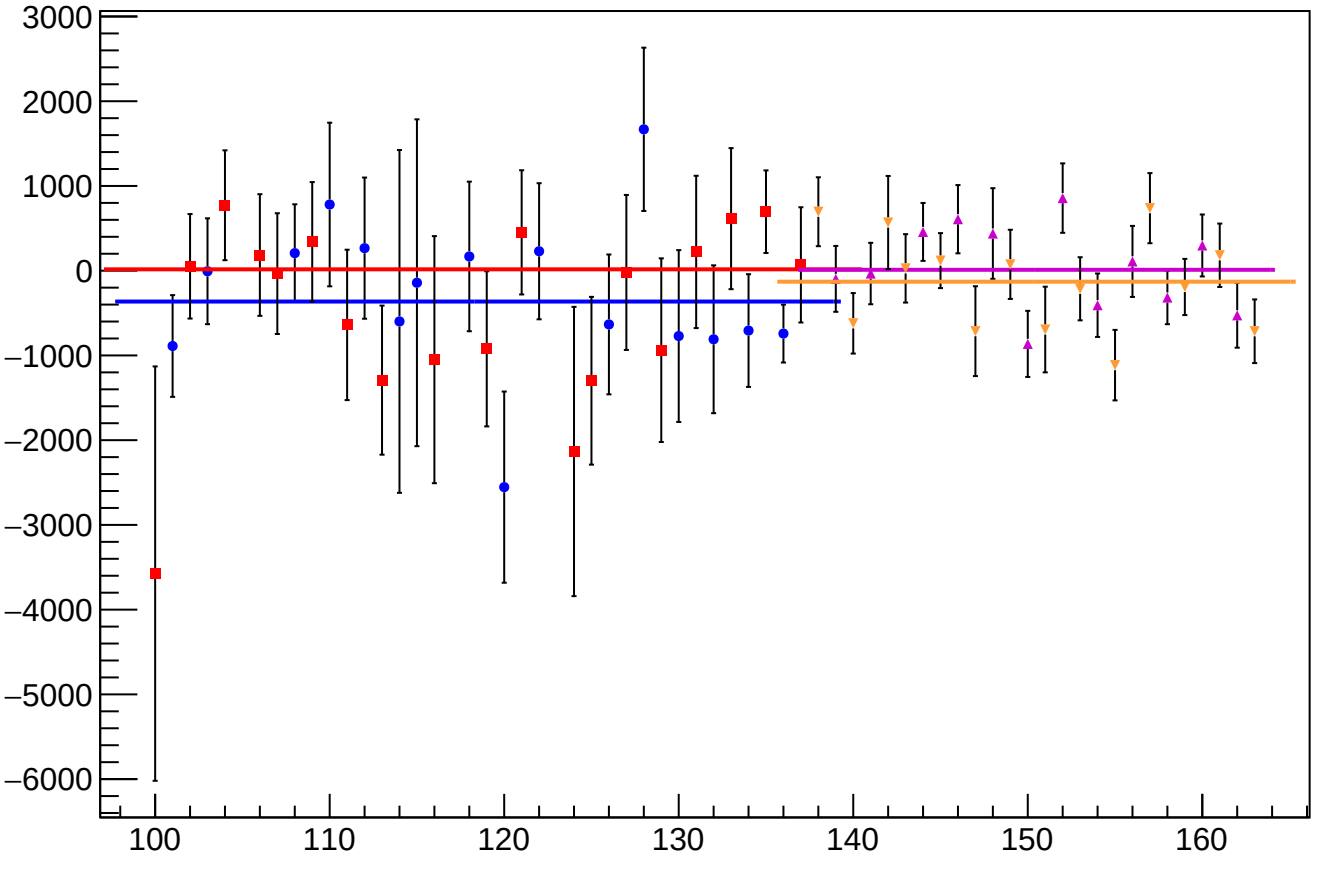
Left In: 58.469+/-0.013 χ^2/NDF:101782.8/11

+ sign 57.591+/-0.010 χ^2/NDF: 511255.7/29

All: 58.168+/-0.007 χ^2/NDF: 1027787.1/60

- sign 58.792+/-0.010 χ^2/NDF: 508957.2/30

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

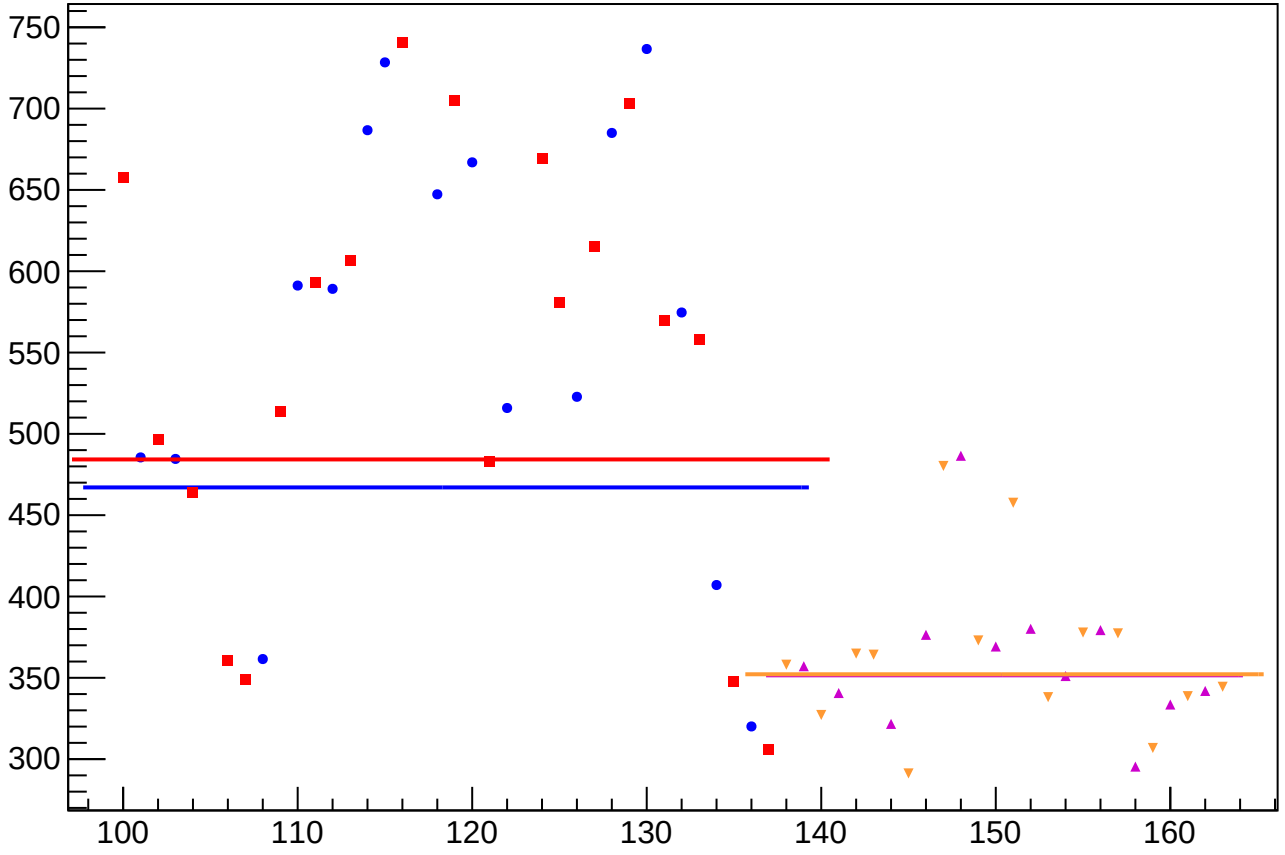
Left In: 10.624+/-110.261 χ^2/NDF:18.9/11

+ sign -189.976+/-91.617 χ^2/NDF: 40.8/29

All: -92.115+/-65.789 χ^2/NDF: 77.2/60

- sign 12.071+/-94.532 χ^2/NDF: 34.1/30

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

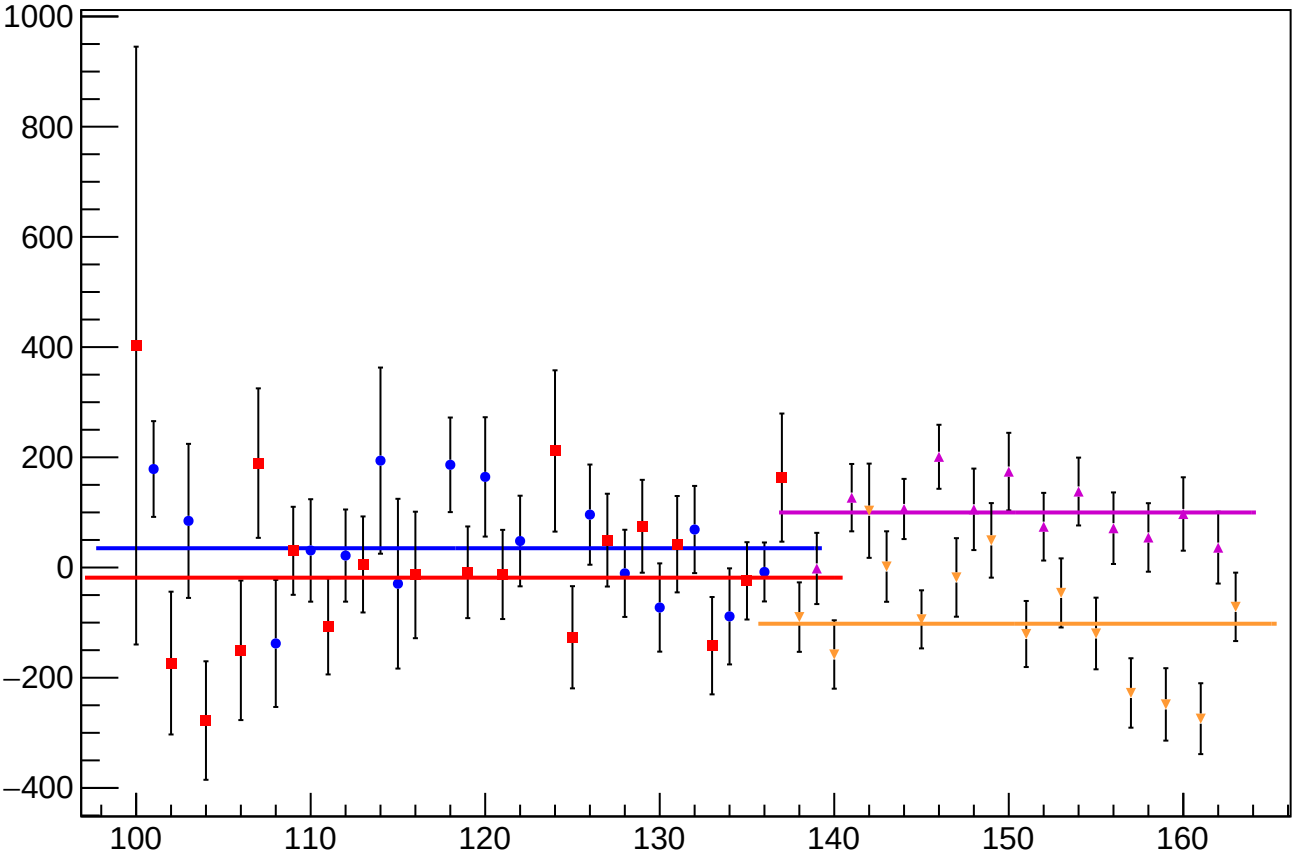
Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

\+ sign 381.742+/-0.065 χ^2/NDF: 1982859.3/29

All: 384.142+/-0.047 χ^2/NDF: 3887441.6/60

\- sign 386.698+/-0.067 χ^2/NDF: 1901748.6/30

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

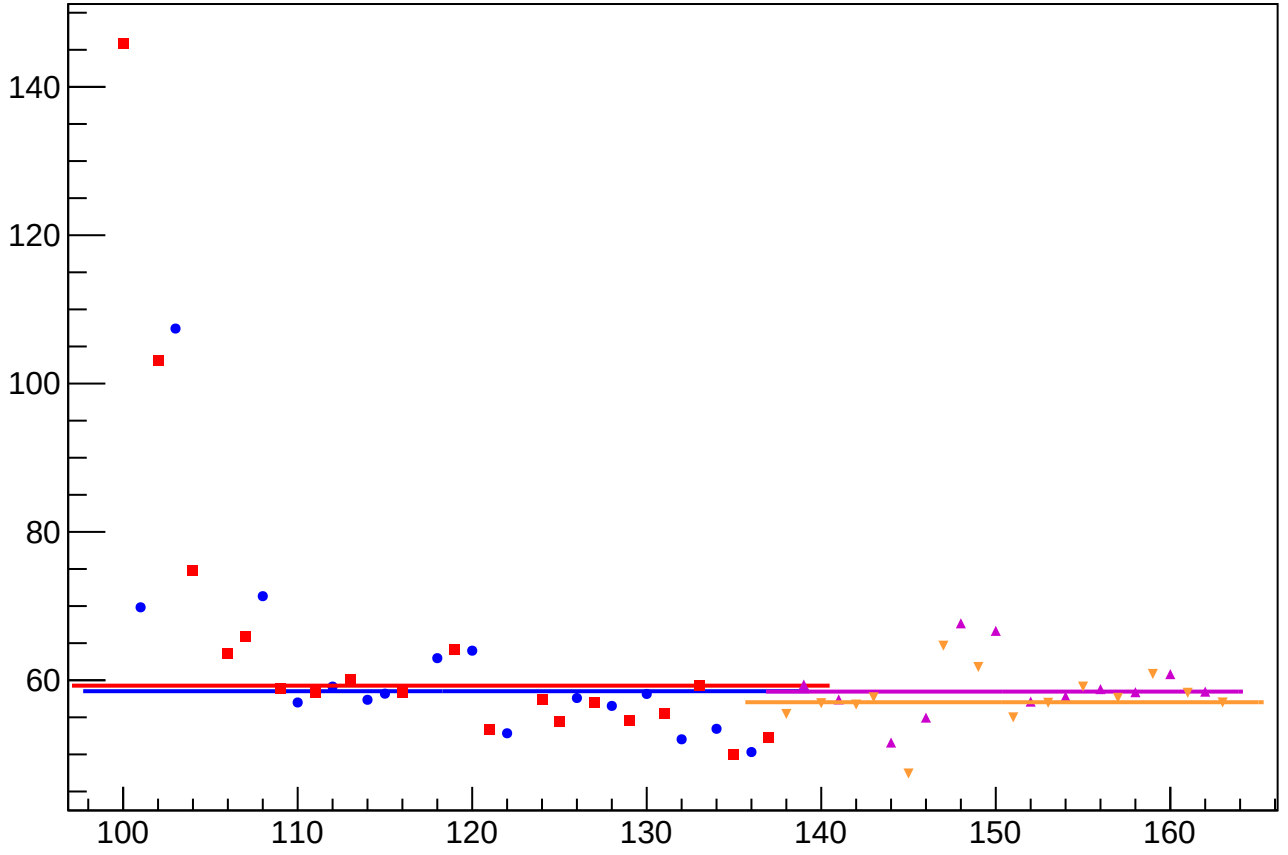
Left In: 99.890+/-18.231 χ^2/NDF:9.1/11

+ sign -50.811+/-13.530 χ^2/NDF: 73.2/29

All: -1.387+/-9.754 χ^2/NDF: 150.4/60

- sign 52.089+/-14.074 χ^2/NDF: 49.4/30

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

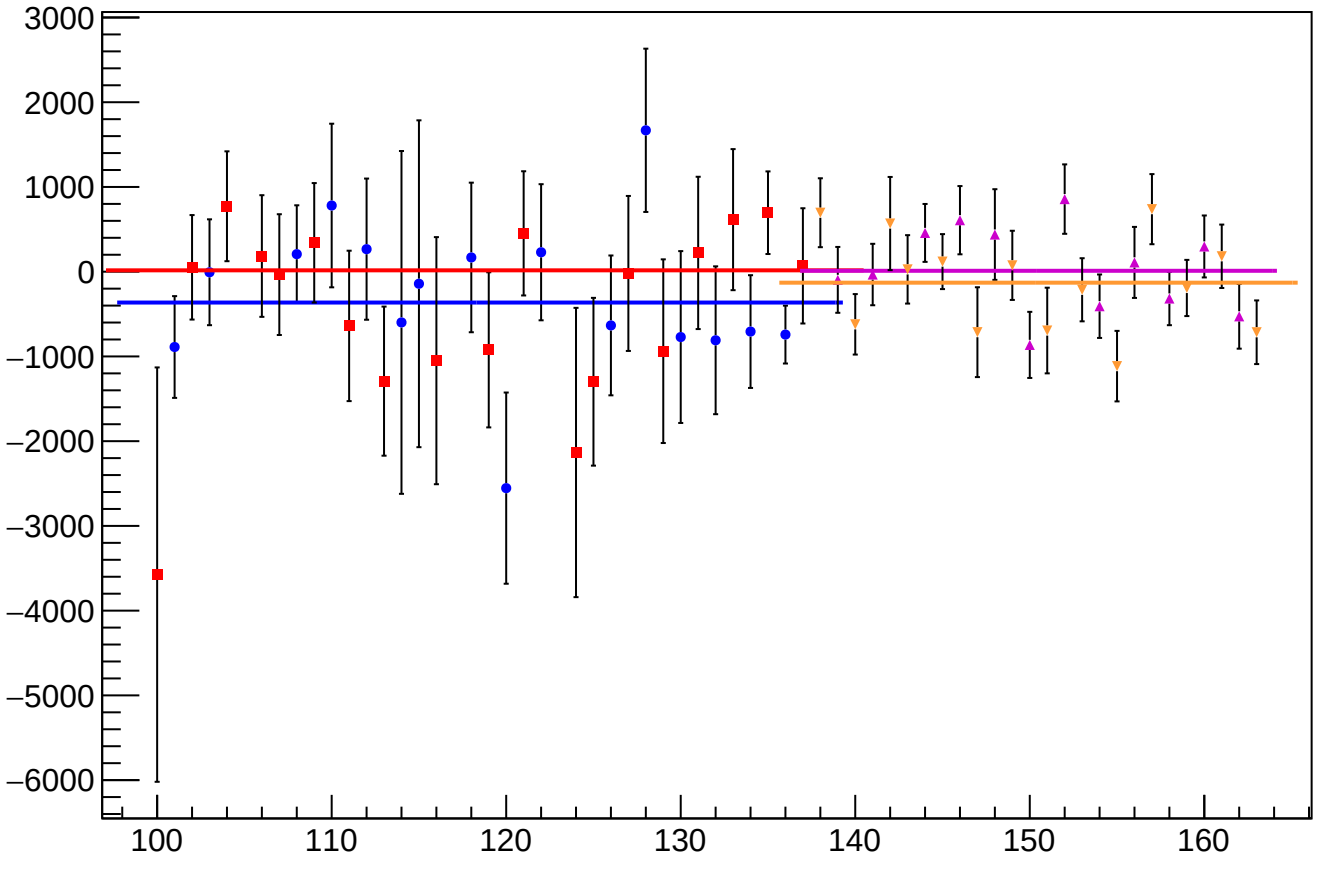
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.8/11

+ sign 57.591+/-0.010 χ^2/NDF: 511255.7/29

All: 58.168+/-0.007 χ^2/NDF: 1027787.1/60

- sign 58.792+/-0.010 χ^2/NDF: 508957.2/30



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

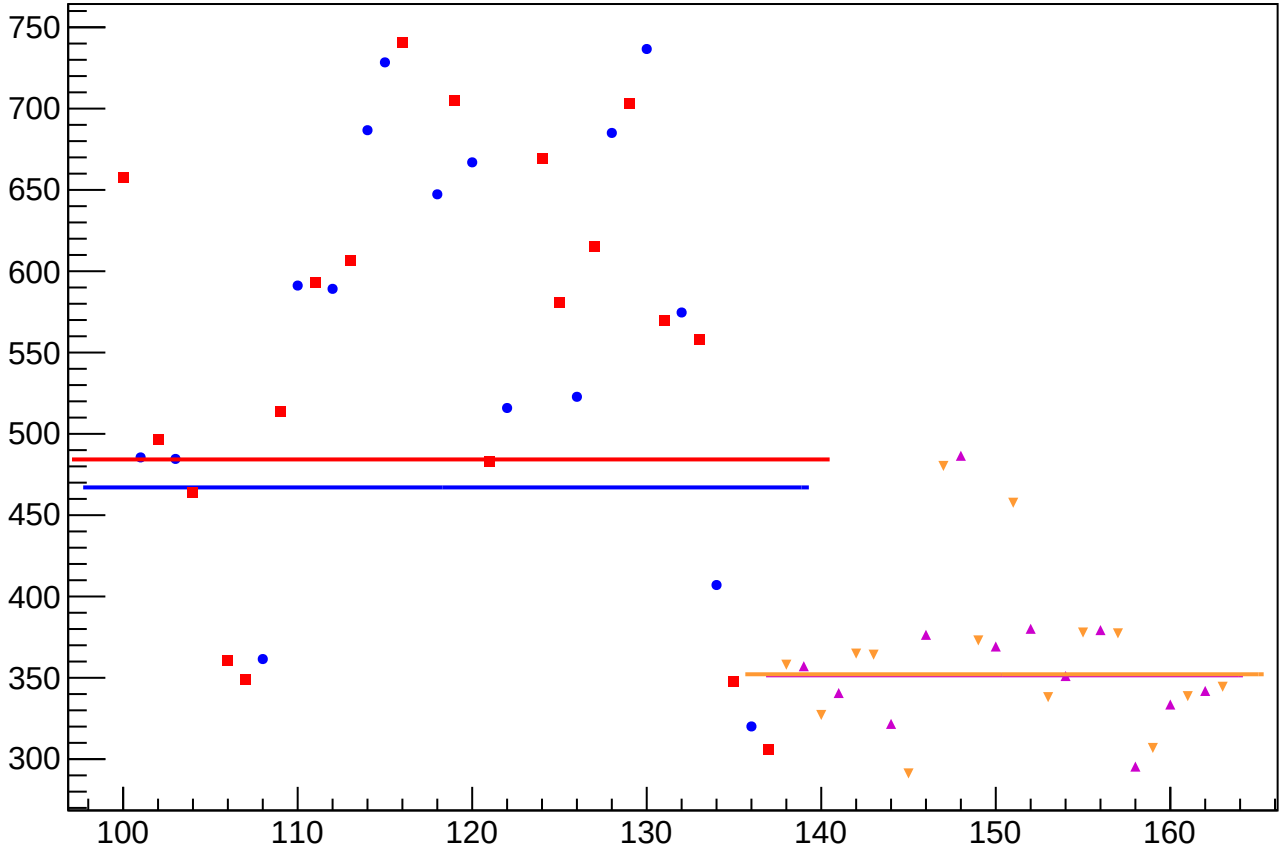
Left In: 10.624+/-110.261 χ^2/NDF:18.9/11

+ sign -189.976+/-91.617 χ^2/NDF: 40.8/29

All: -92.115+/-65.789 χ^2/NDF: 77.2/60

- sign 12.071+/-94.532 χ^2/NDF: 34.1/30

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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

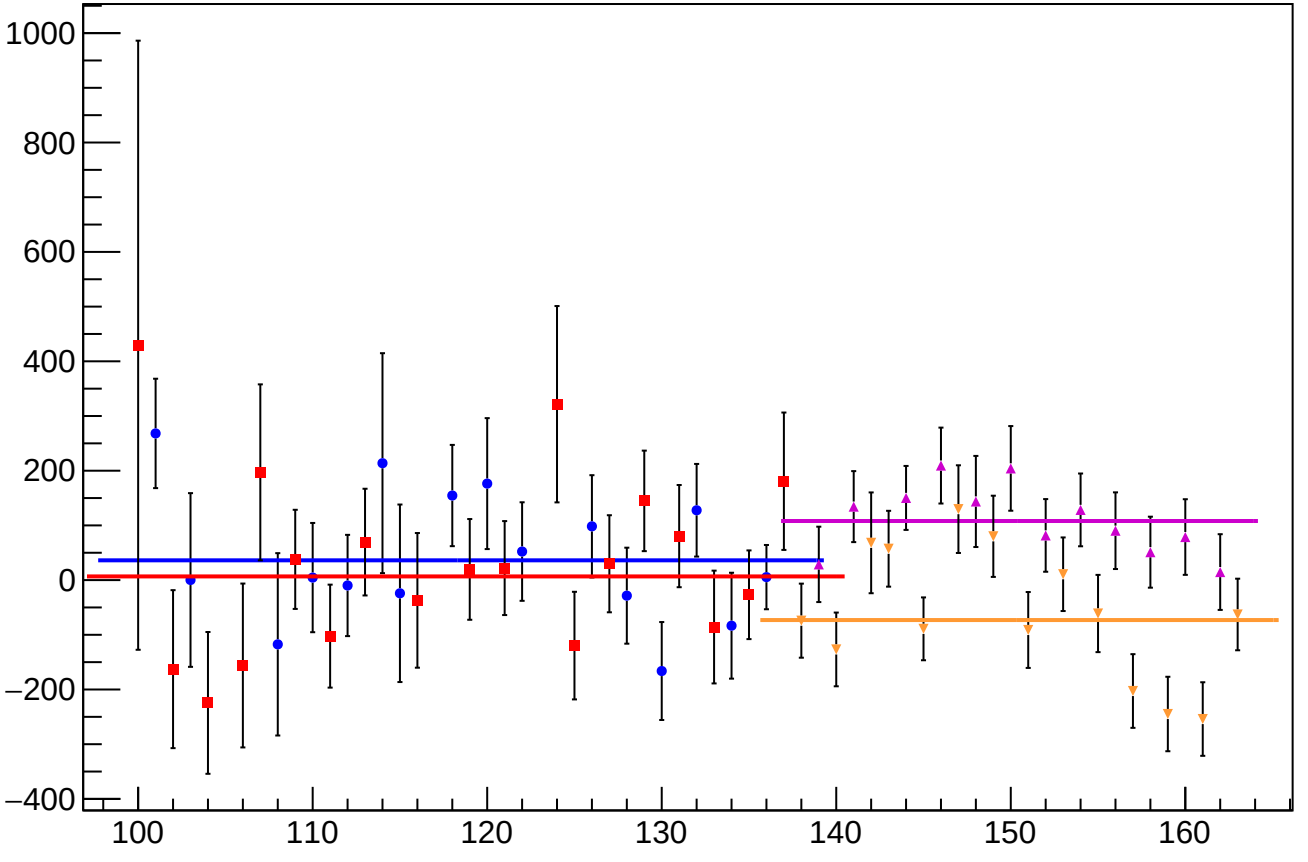
Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

\+ sign 381.742+/-0.065 χ^2/NDF: 1982859.3/29

All: 384.142+/-0.047 χ^2/NDF: 3887441.6/60

\- sign 386.698+/-0.067 χ^2/NDF: 1901748.6/30

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.038+/-18.492 χ^2/NDF:36.2/13

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

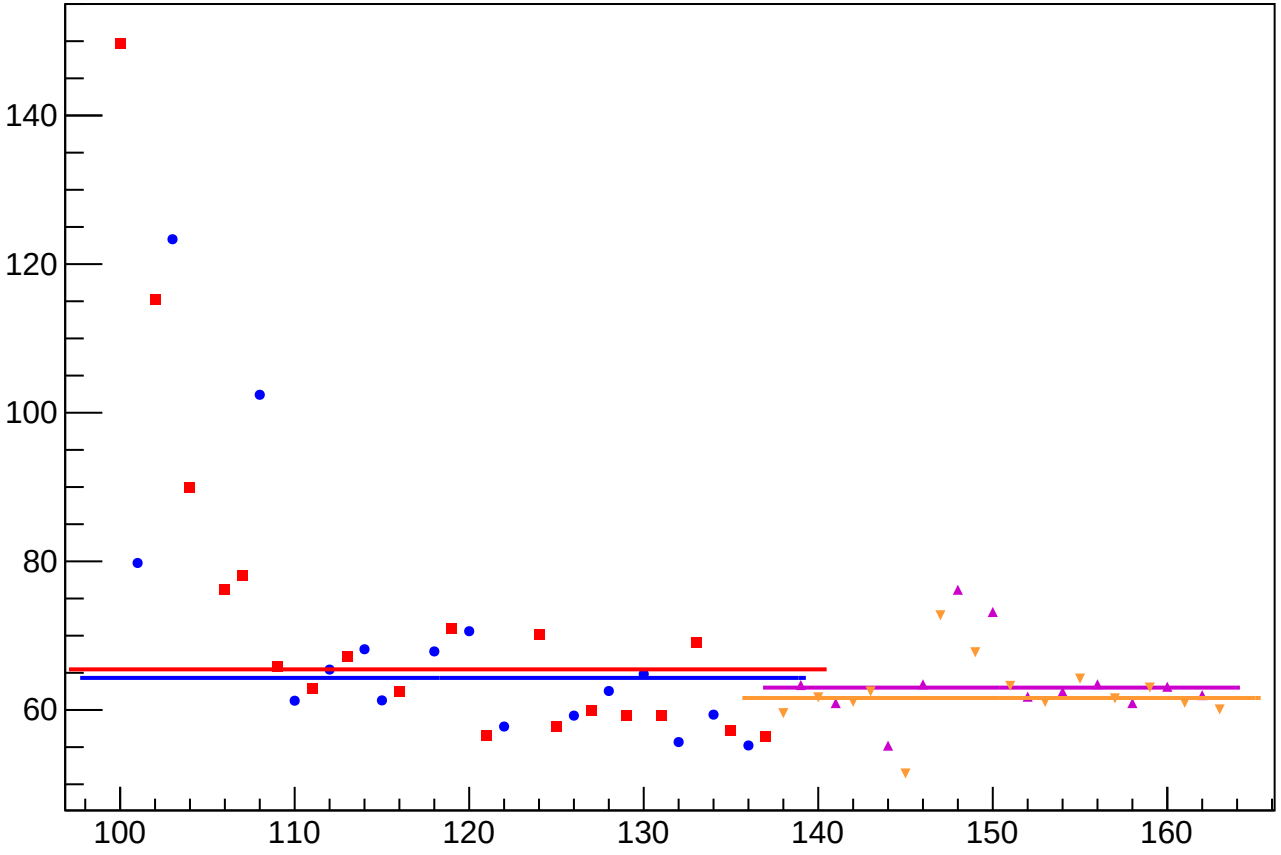
Left In: 108.050+/-19.721 χ^2/NDF:9.0/11

+ sign -33.349+/-14.753 χ^2/NDF: 68.6/29

All: 15.387+/-10.646 χ^2/NDF: 131.0/60

- sign 68.342+/-15.379 χ^2/NDF: 39.6/30

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.614+/-0.013 χ^2/NDF:123169.2/13

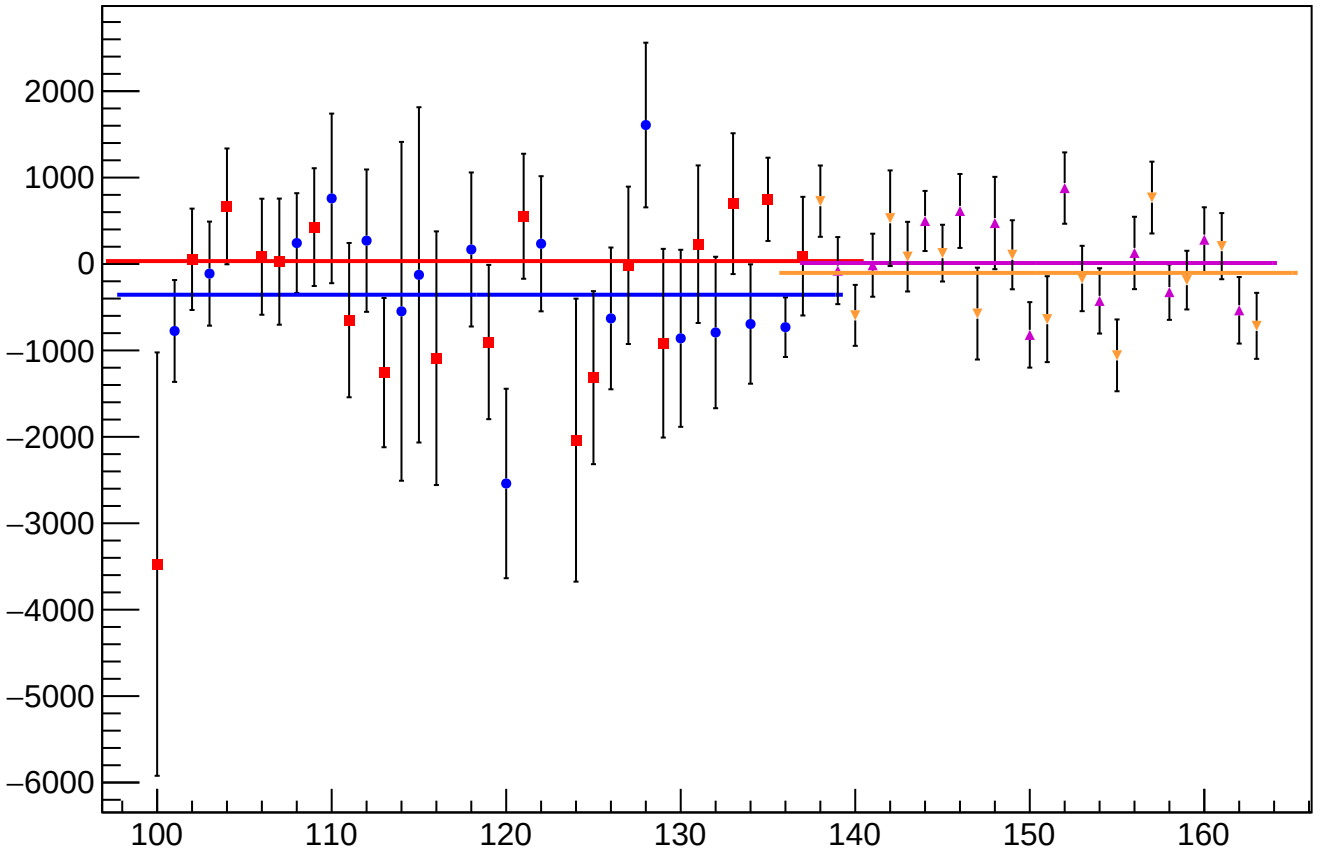
Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.009+/-0.014 χ^2/NDF:125872.3/11

\+ sign 62.596+/-0.010 χ^2/NDF: 670761.7/29

All: 63.255+/-0.008 χ^2/NDF: 1299501.2/60

\- sign 63.972+/-0.011 χ^2/NDF: 620405.6/30



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

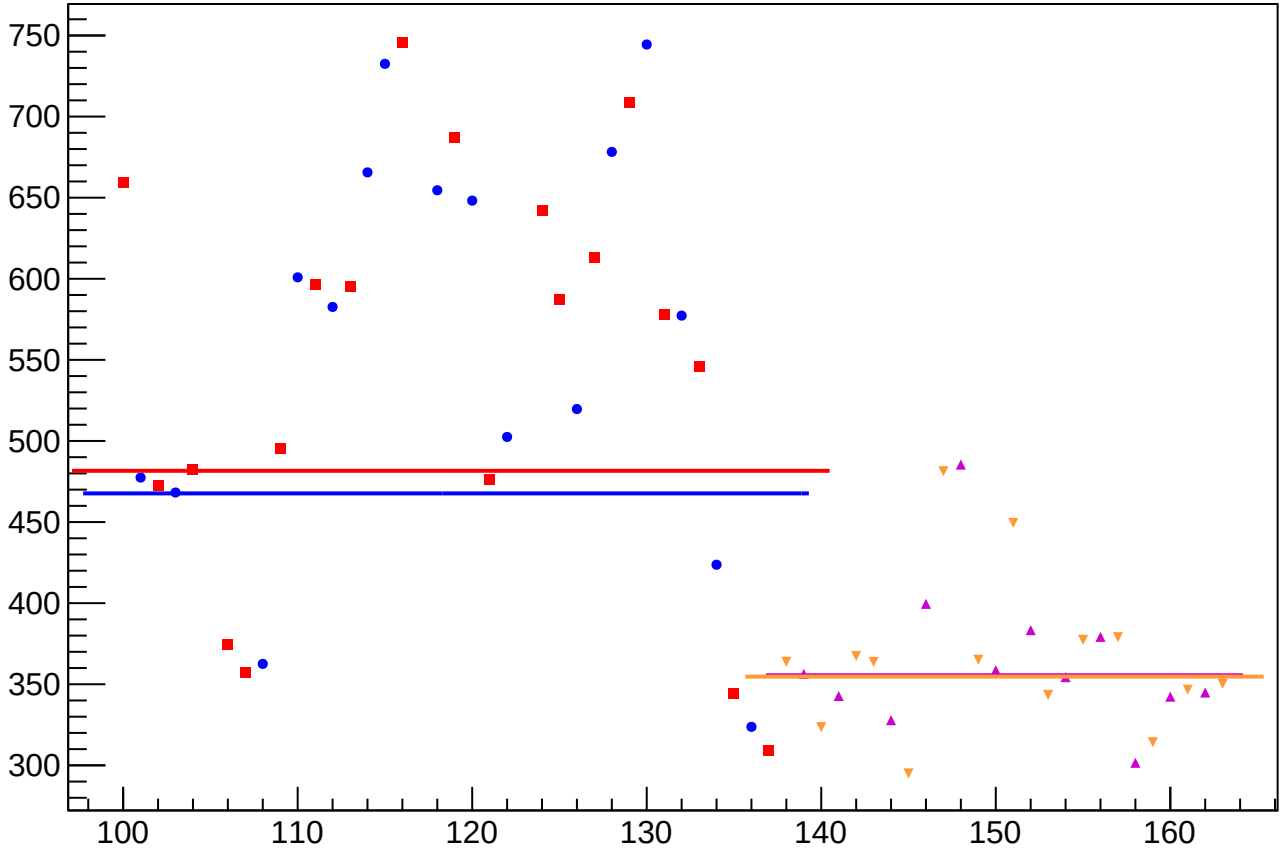
Left In: 11.582+/-111.470 χ^2/NDF:19.0/11

+ sign -168.575+/-91.998 χ^2/NDF: 39.5/29

All: -78.441+/-66.087 χ^2/NDF: 75.9/60

- sign 17.661+/-94.995 χ^2/NDF: 34.4/30

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 354.705+/-0.076 χ^2/NDF:316462.2/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

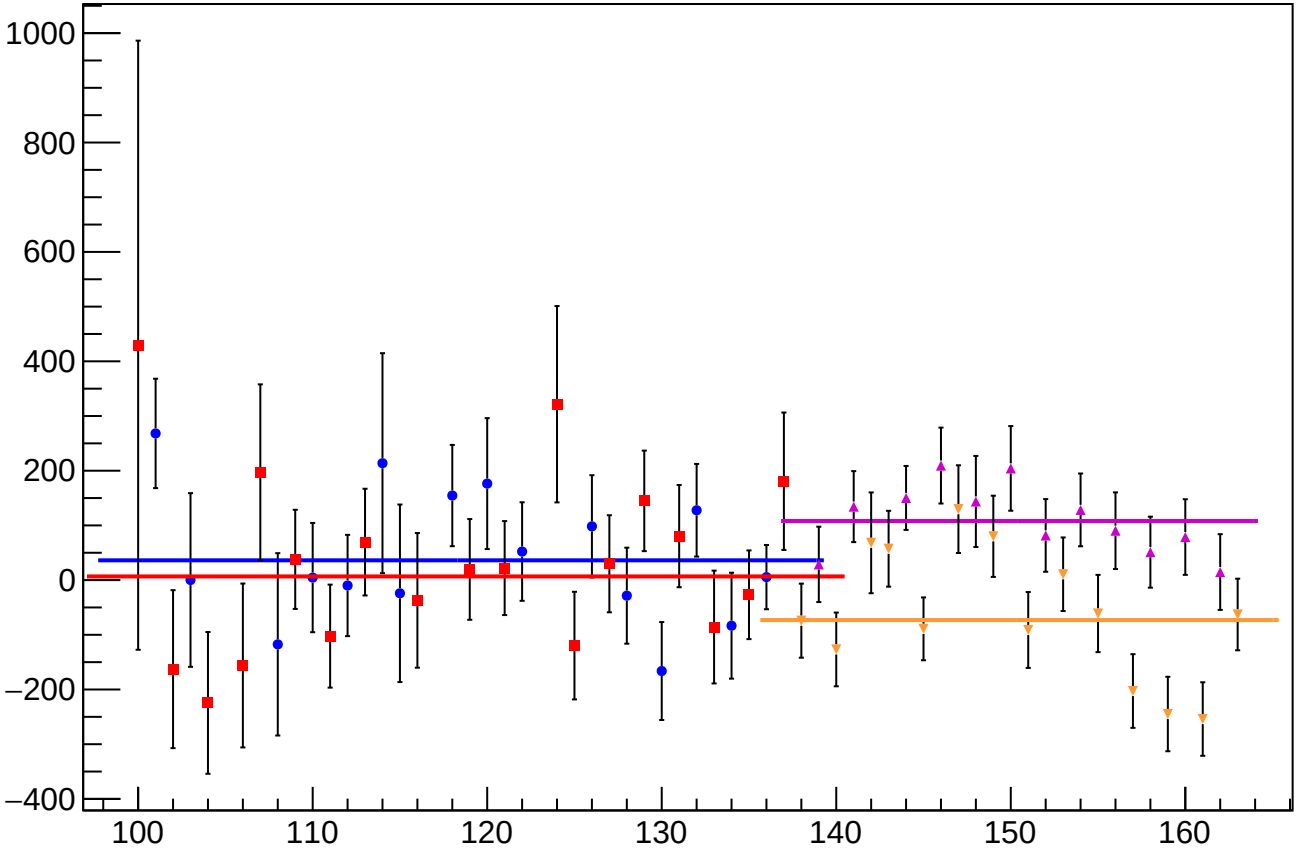
Left In: 355.550+/-0.079 χ^2/NDF:230665.7/11

+ sign 384.106+/-0.065 χ^2/NDF: 1883005.2/29

All: 386.986+/-0.047 χ^2/NDF: 3672092.9/60

- sign 390.056+/-0.067 χ^2/NDF: 1785038.4/30

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.037+/-18.492 χ^2/NDF:36.2/13

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

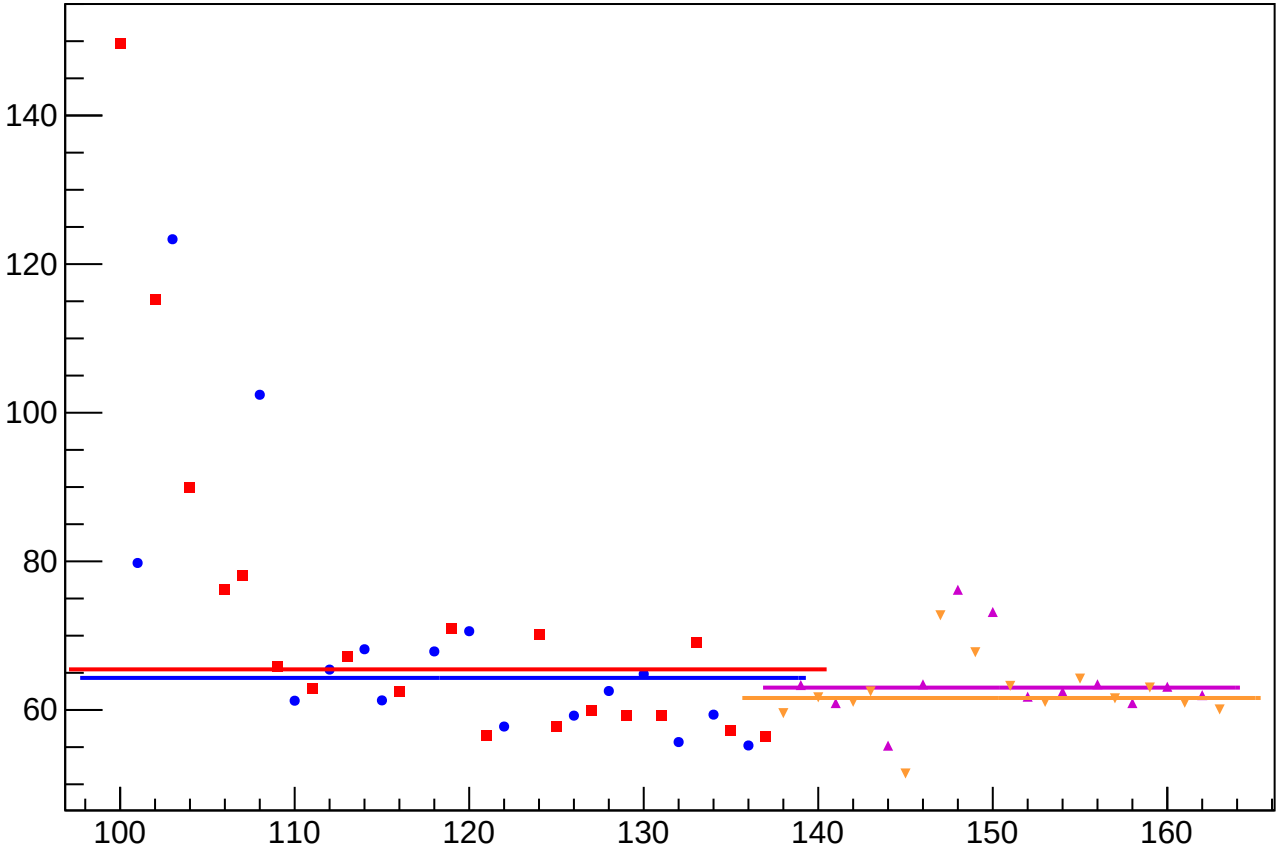
Left In: 108.049+/-19.721 χ^2/NDF:9.0/11

\+ sign -33.348+/-14.753 χ^2/NDF: 68.6/29

All: 15.388+/-10.646 χ^2/NDF: 131.0/60

\- sign 68.342+/-15.379 χ^2/NDF: 39.6/30

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.614+/-0.013 χ^2/NDF:123172.6/13

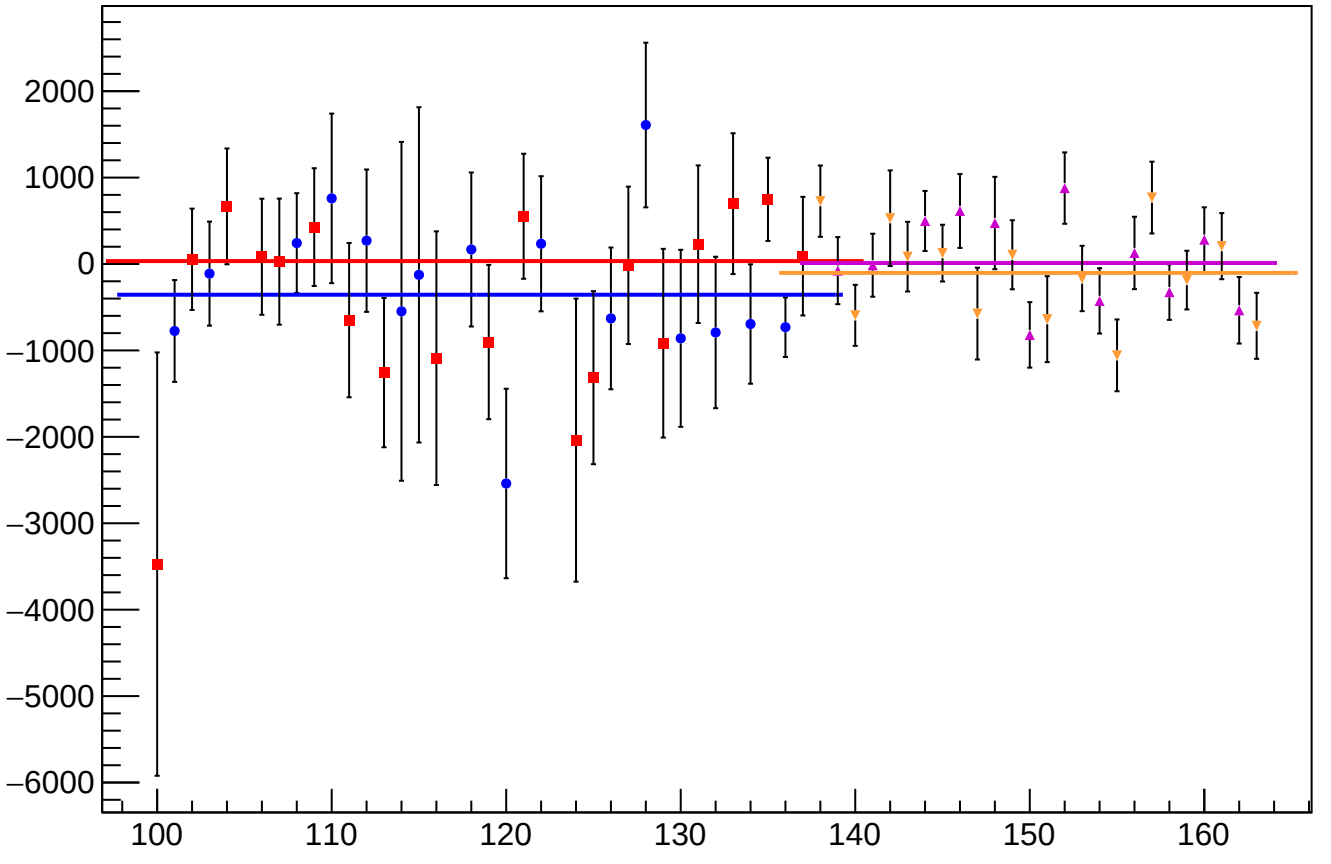
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.009+/-0.014 χ^2/NDF:125875.2/11

+ sign 62.596+/-0.010 χ^2/NDF: 670771.7/29

All: 63.255+/-0.008 χ^2/NDF: 1299518.5/60

- sign 63.972+/-0.011 χ^2/NDF: 620413.1/30



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

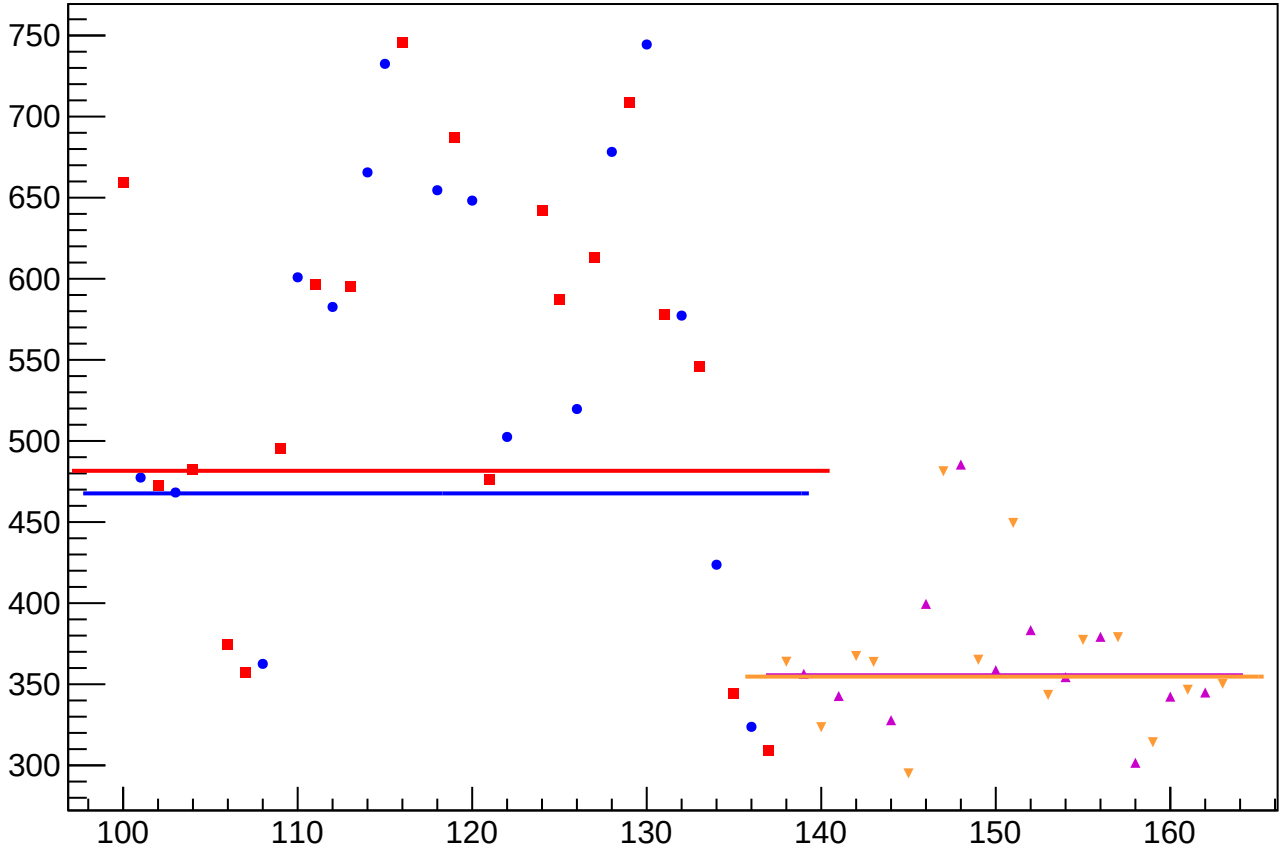
Left In: 11.582+/-111.470 χ^2/NDF:19.0/11

+ sign -168.574+/-91.998 χ^2/NDF: 39.5/29

All: -78.441+/-66.087 χ^2/NDF: 75.9/60

- sign 17.661+/-94.995 χ^2/NDF: 34.4/30

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 354.705+/-0.076 χ^2/NDF:316462.6/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

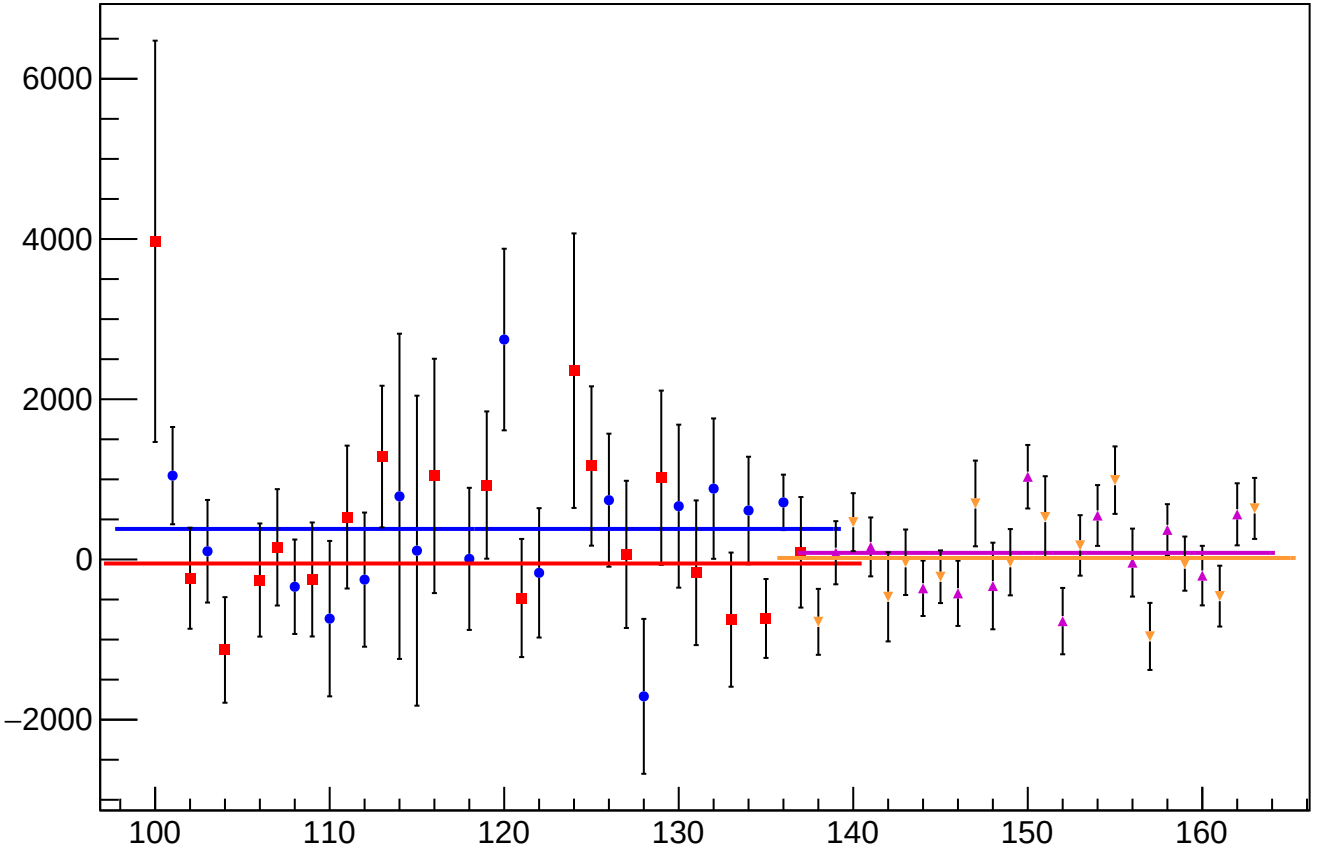
Left In: 355.550+/-0.079 χ^2/NDF:230667.2/11

+ sign 384.106+/-0.065 χ^2/NDF: 1883001.7/29

All: 386.985+/-0.047 χ^2/NDF: 3672083.1/60

- sign 390.056+/-0.067 χ^2/NDF: 1785032.2/30

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 18.691+/-107.763 χ^2/NDF:24.4/13

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

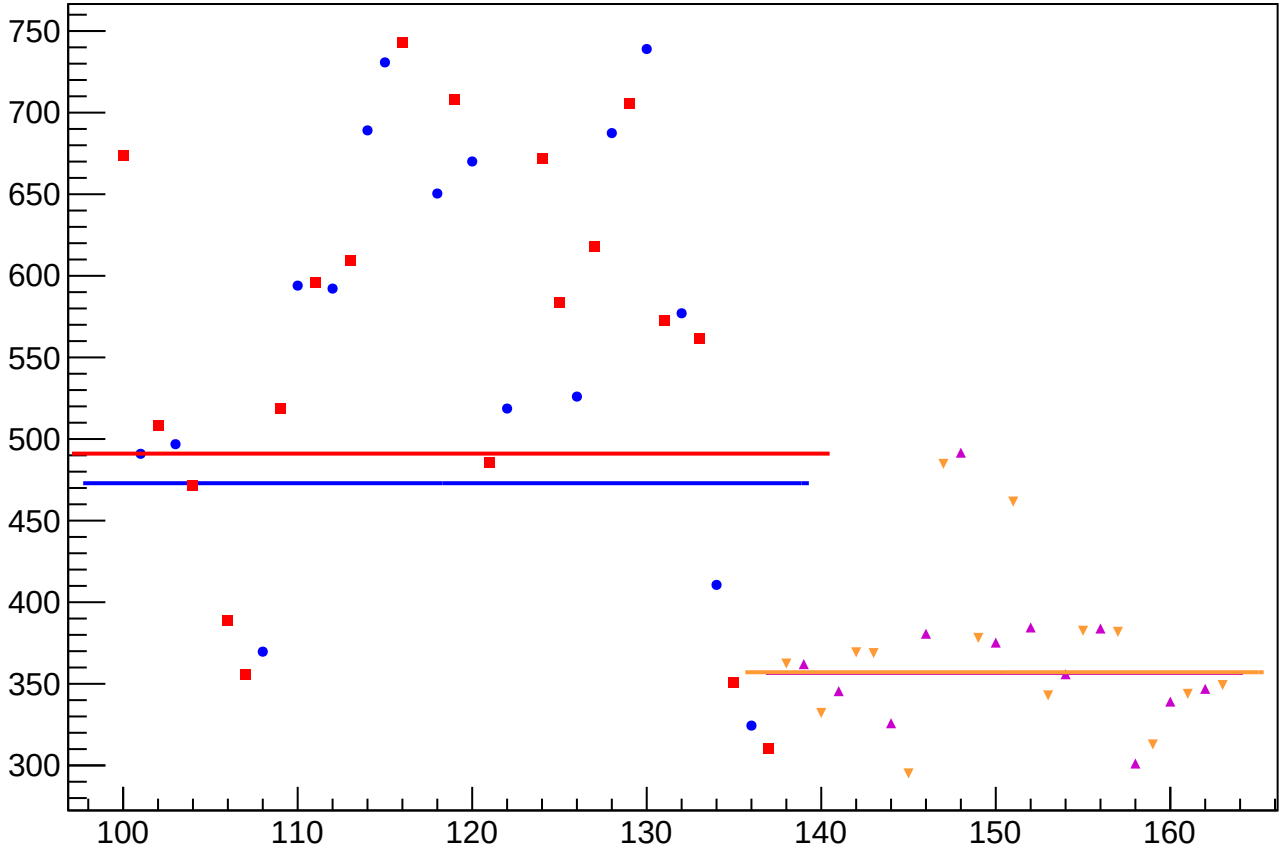
Left In: 82.326+/-111.834 χ^2/NDF:18.3/11

+ sign 112.262+/-92.814 χ^2/NDF: 43.5/29

All: 80.586+/-66.640 χ^2/NDF: 79.9/60

- sign 46.880+/-95.742 χ^2/NDF: 36.1/30

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 357.096+/-0.076 χ^2/NDF:341434.7/13

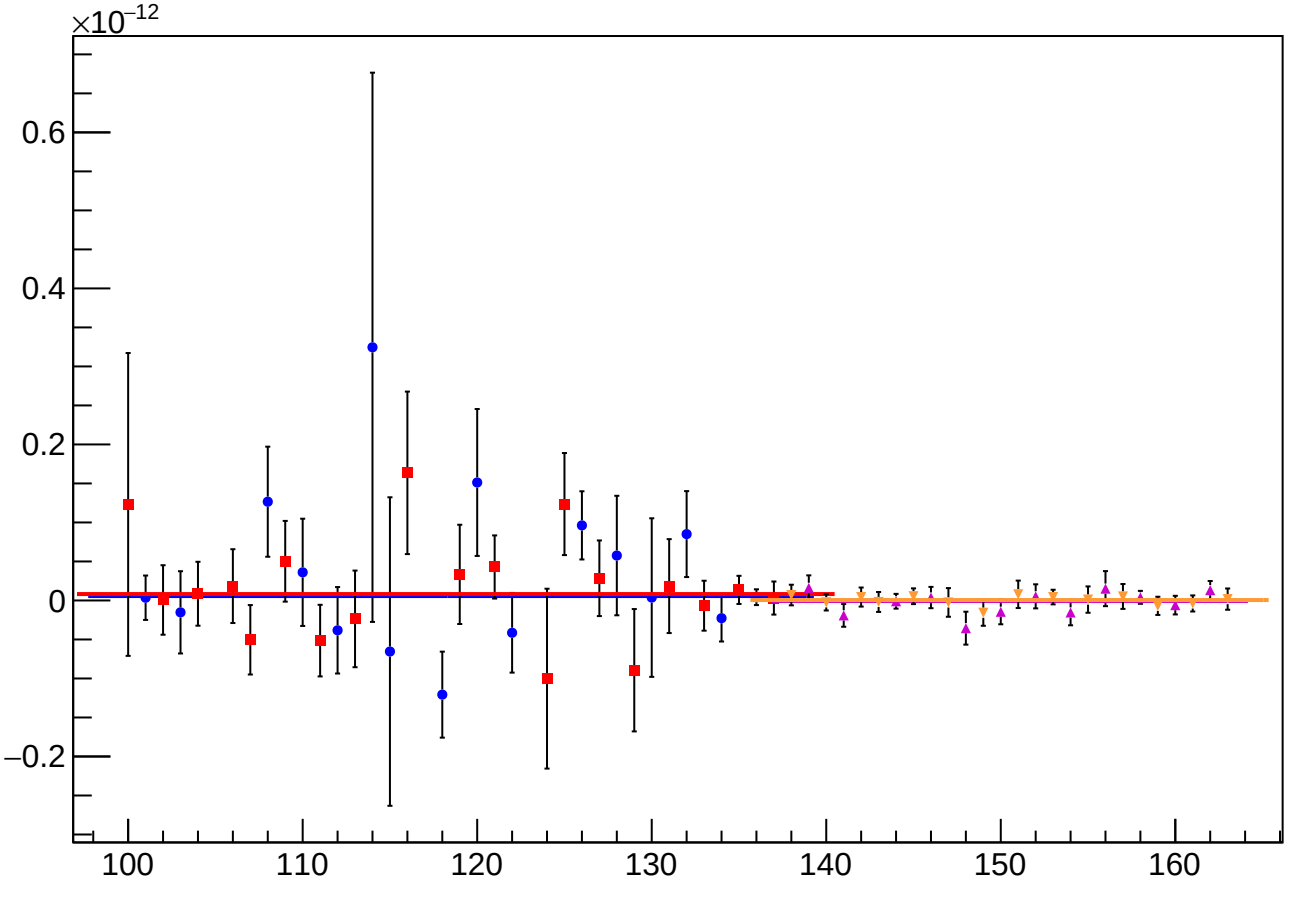
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.643+/-0.079 χ^2/NDF:237008.4/11

\+ sign 387.003+/-0.066 χ^2/NDF: 1938305.6/29

All: 389.687+/-0.047 χ^2/NDF: 3797949.9/60

\- sign 392.543+/-0.068 χ^2/NDF: 1856191.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/13

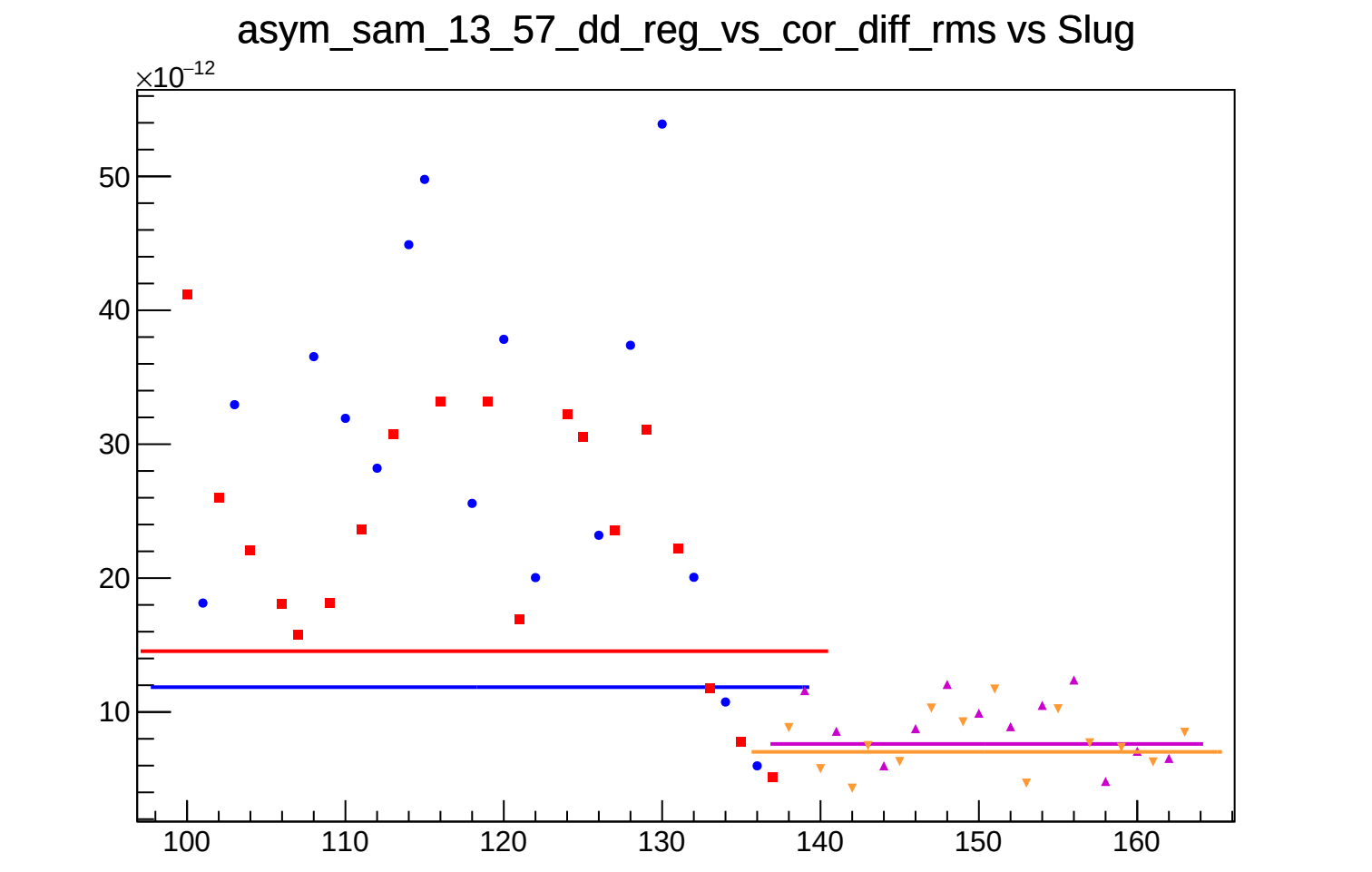
Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 48.6/60

- sign 0.000+/-0.000 χ^2/NDF: 24.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:655445.7/13

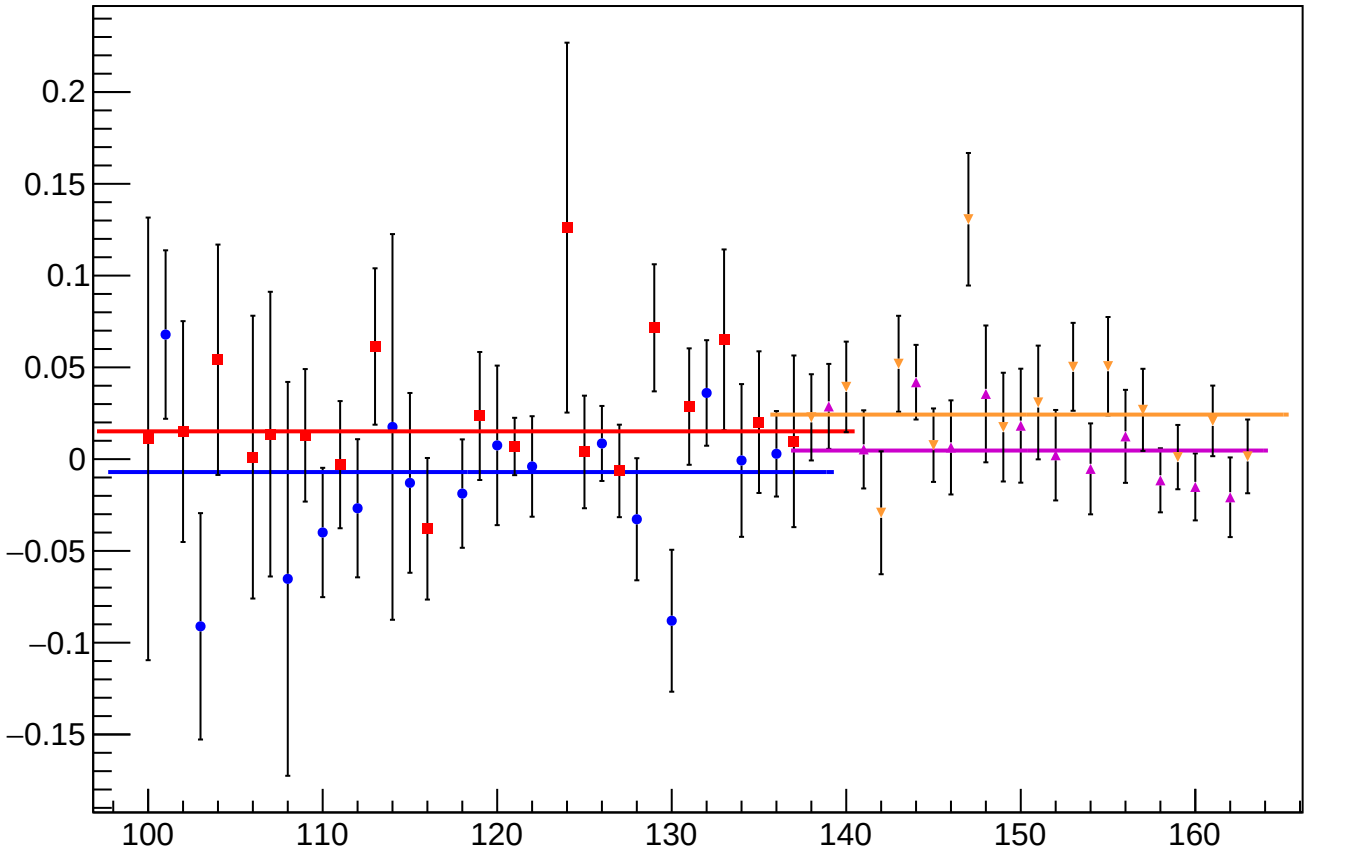
Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:750059.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 4110474.4/29

All: 0.000+/-0.000 χ^2/NDF: 7652695.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3473677.7/30



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

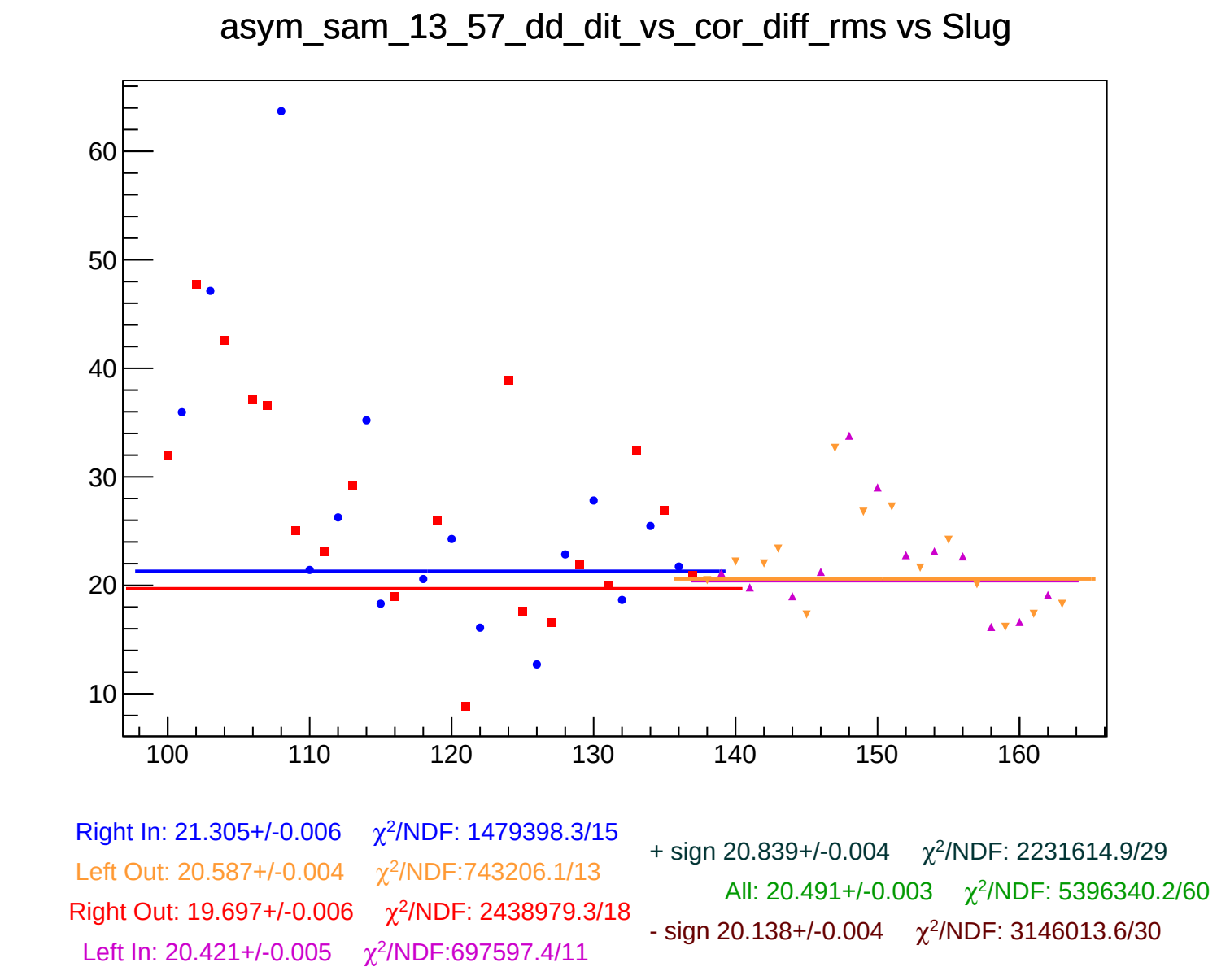
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

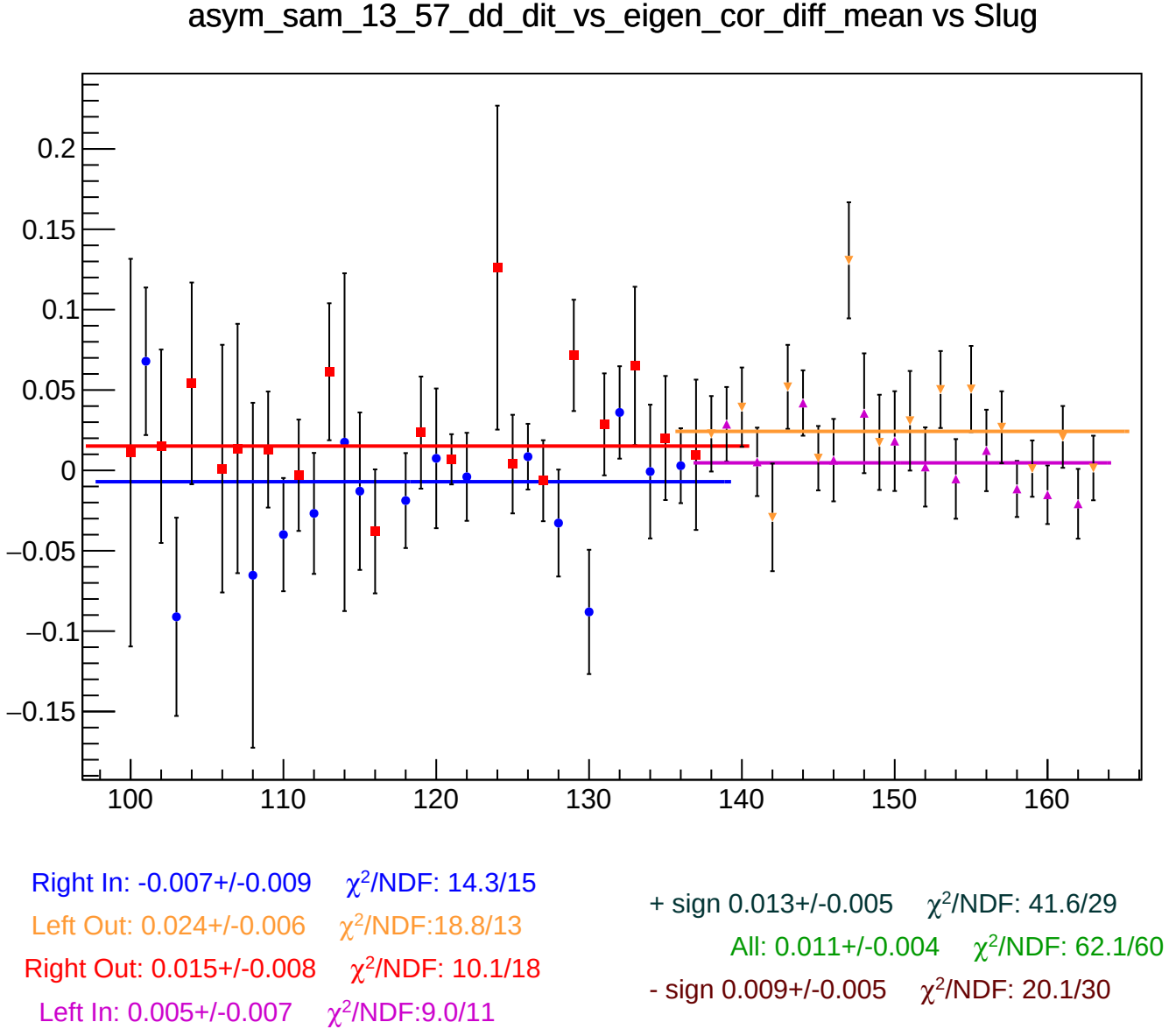
Left In: 0.005+/-0.007 χ^2/NDF:9.0/11

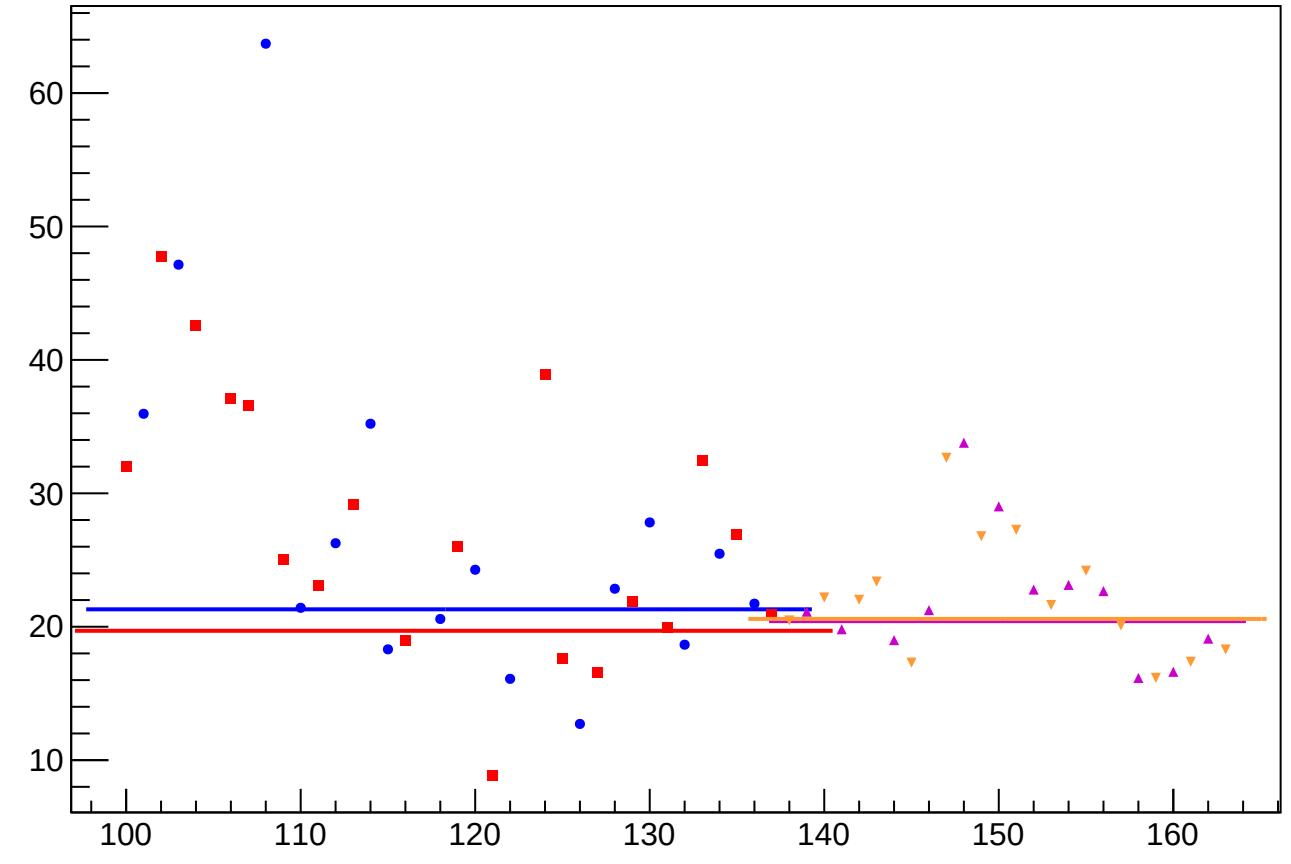
+ sign 0.013+/-0.005 χ^2/NDF: 41.6/29

All: 0.011+/-0.004 χ^2/NDF: 62.1/60

- sign 0.009+/-0.005 χ^2/NDF: 20.1/30


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.587+/-0.004 χ²/NDF:743206.1/13
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.421+/-0.005 χ²/NDF:697597.4/11
+ sign 20.839+/-0.004 χ²/NDF: 2231614.9/29
All: 20.491+/-0.003 χ²/NDF: 5396340.2/60
- sign 20.138+/-0.004 χ²/NDF: 3146013.6/30


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.007 χ²/NDF:9.0/11
+ sign 0.013+/-0.005 χ²/NDF: 41.6/29
All: 0.011+/-0.004 χ²/NDF: 62.1/60
- sign 0.009+/-0.005 χ²/NDF: 20.1/30



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.587+/-0.004 χ^2/NDF:743206.1/13

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

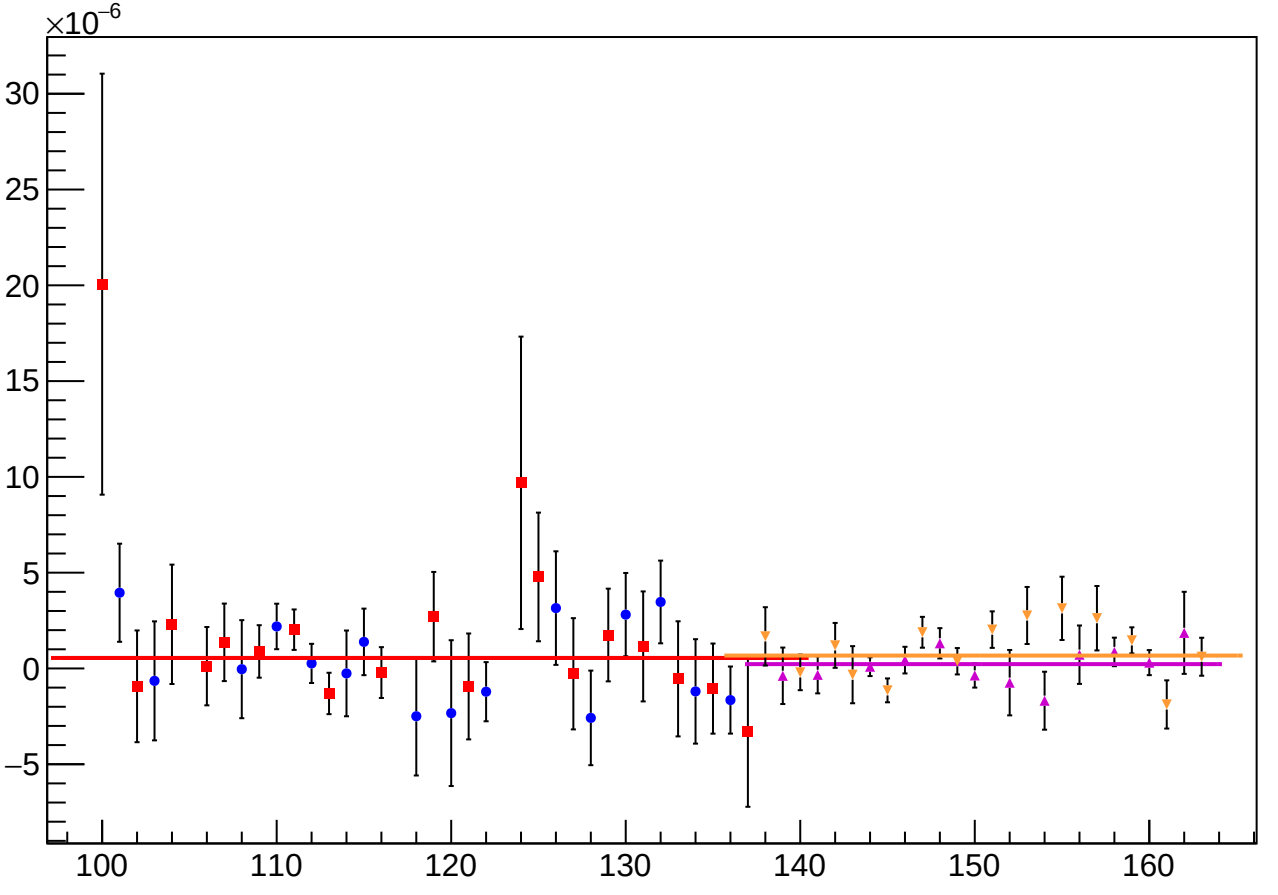
Left In: 20.421+/-0.005 χ^2/NDF:697597.4/11

+ sign 20.839+/-0.004 χ^2/NDF: 2231614.9/29

All: 20.491+/-0.003 χ^2/NDF: 5396340.2/60

- sign 20.138+/-0.004 χ^2/NDF: 3146013.6/30

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

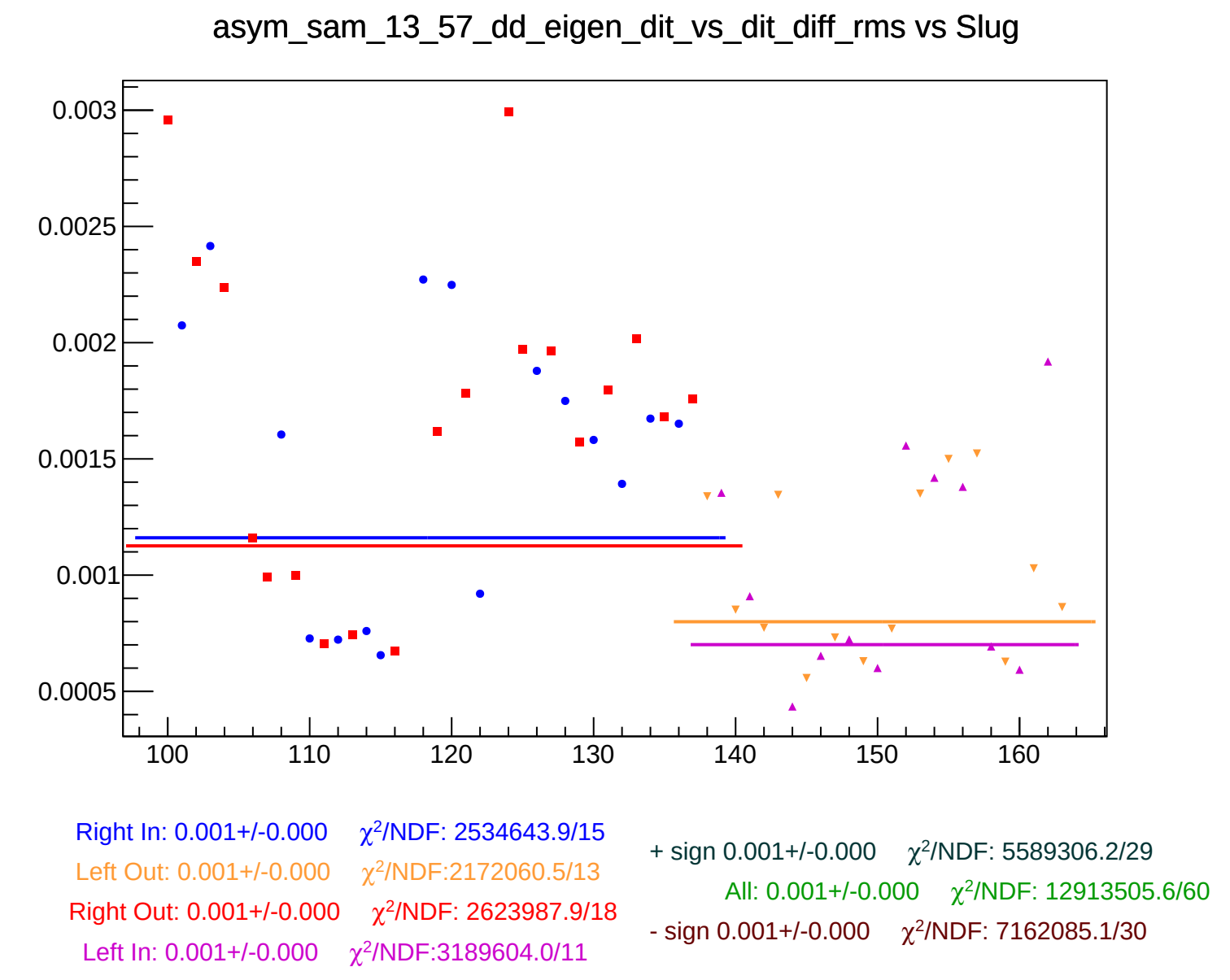
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

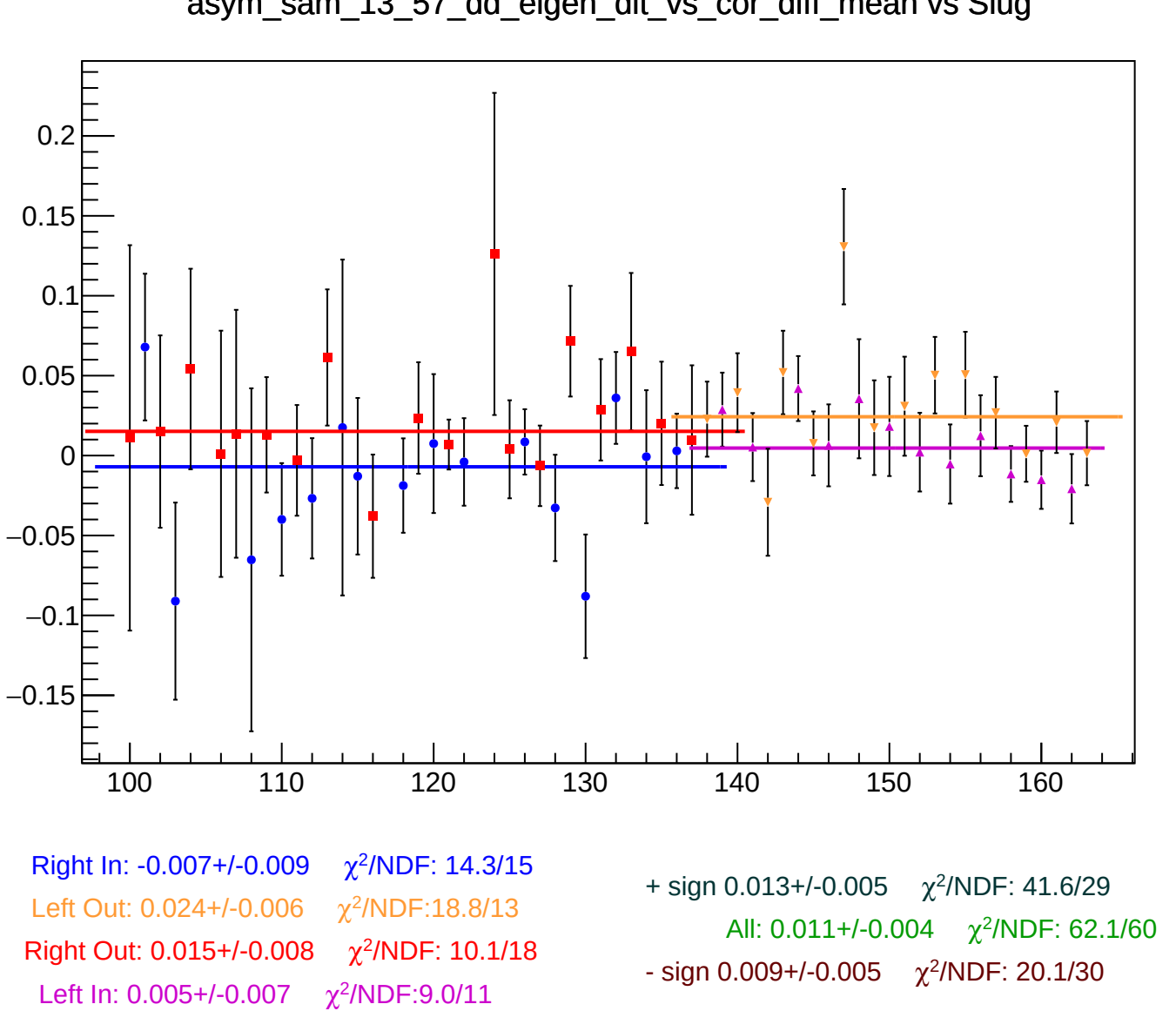
Left In: 0.000+/-0.000 χ^2/NDF:6.8/11

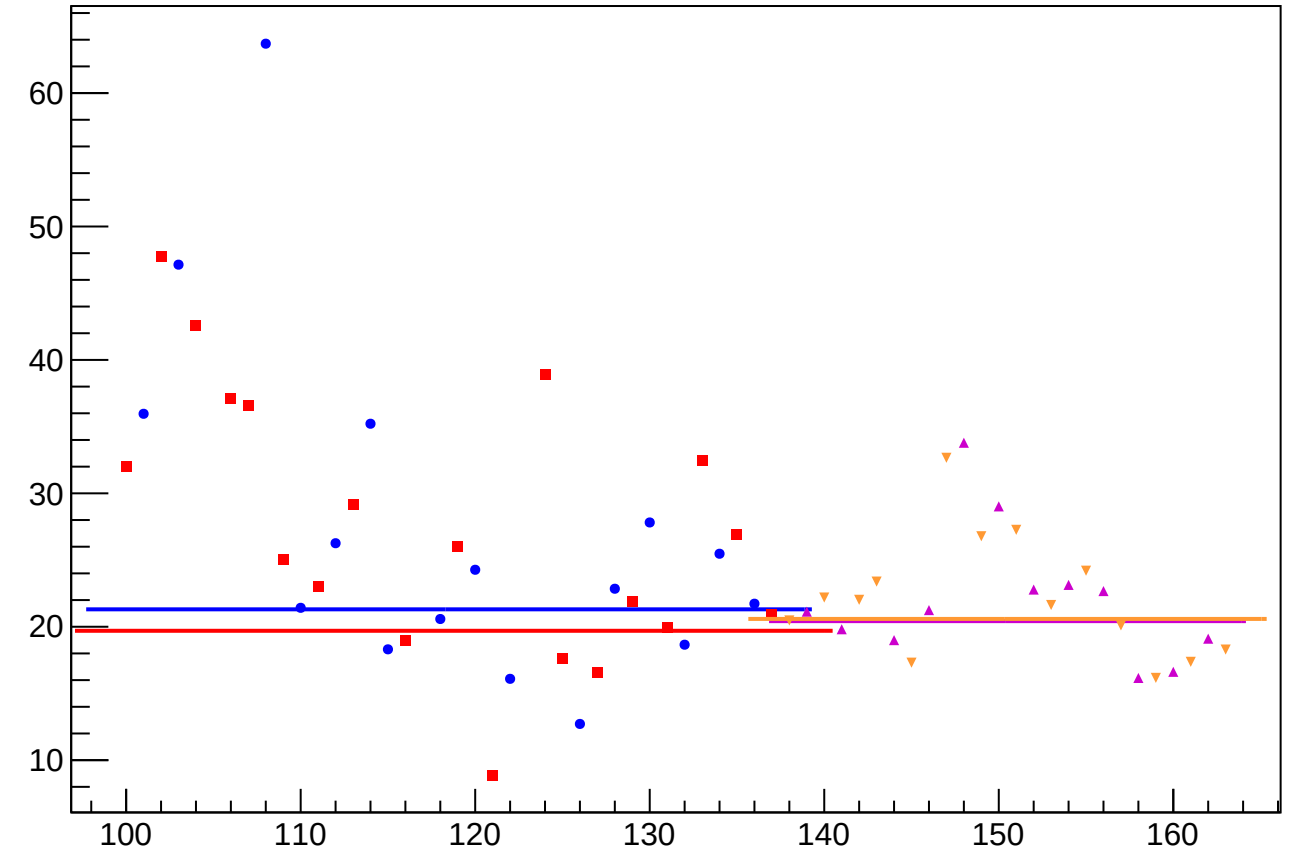
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/29

All: 0.000+/-0.000 χ^2/NDF: 64.2/60

- sign 0.000+/-0.000 χ^2/NDF: 22.5/30


asym_sam_13_57_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
160
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2172060.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3189604.0/11
+ sign 0.001+/-0.000 χ²/NDF: 5589306.2/29
All: 0.001+/-0.000 χ²/NDF: 12913505.6/60
- sign 0.001+/-0.000 χ²/NDF: 7162085.1/30


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.007 χ²/NDF:9.0/11
+ sign 0.013+/-0.005 χ²/NDF: 41.6/29
All: 0.011+/-0.004 χ²/NDF: 62.1/60
- sign 0.009+/-0.005 χ²/NDF: 20.1/30



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.587+/-0.004 χ^2/NDF:743338.8/13

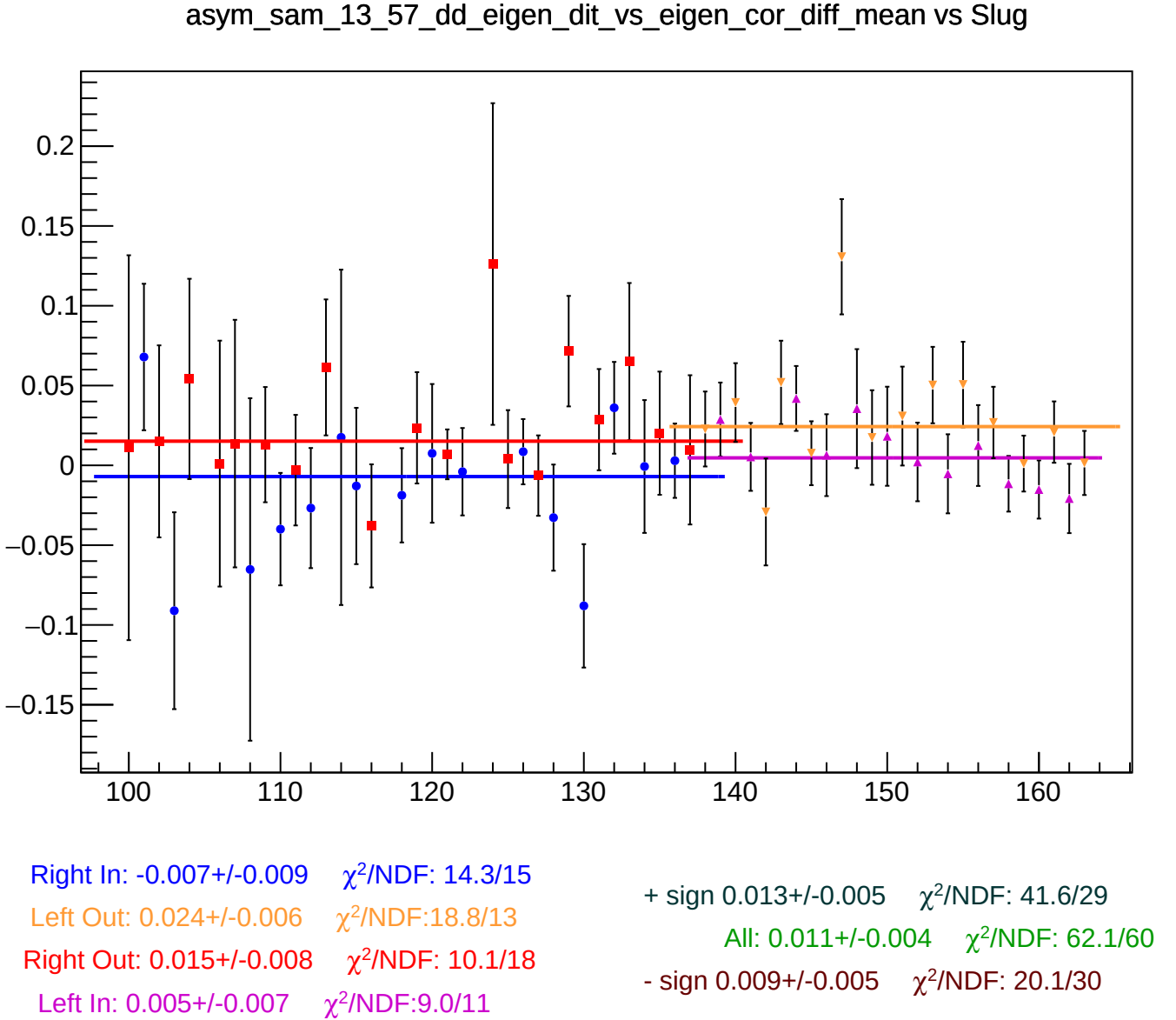
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

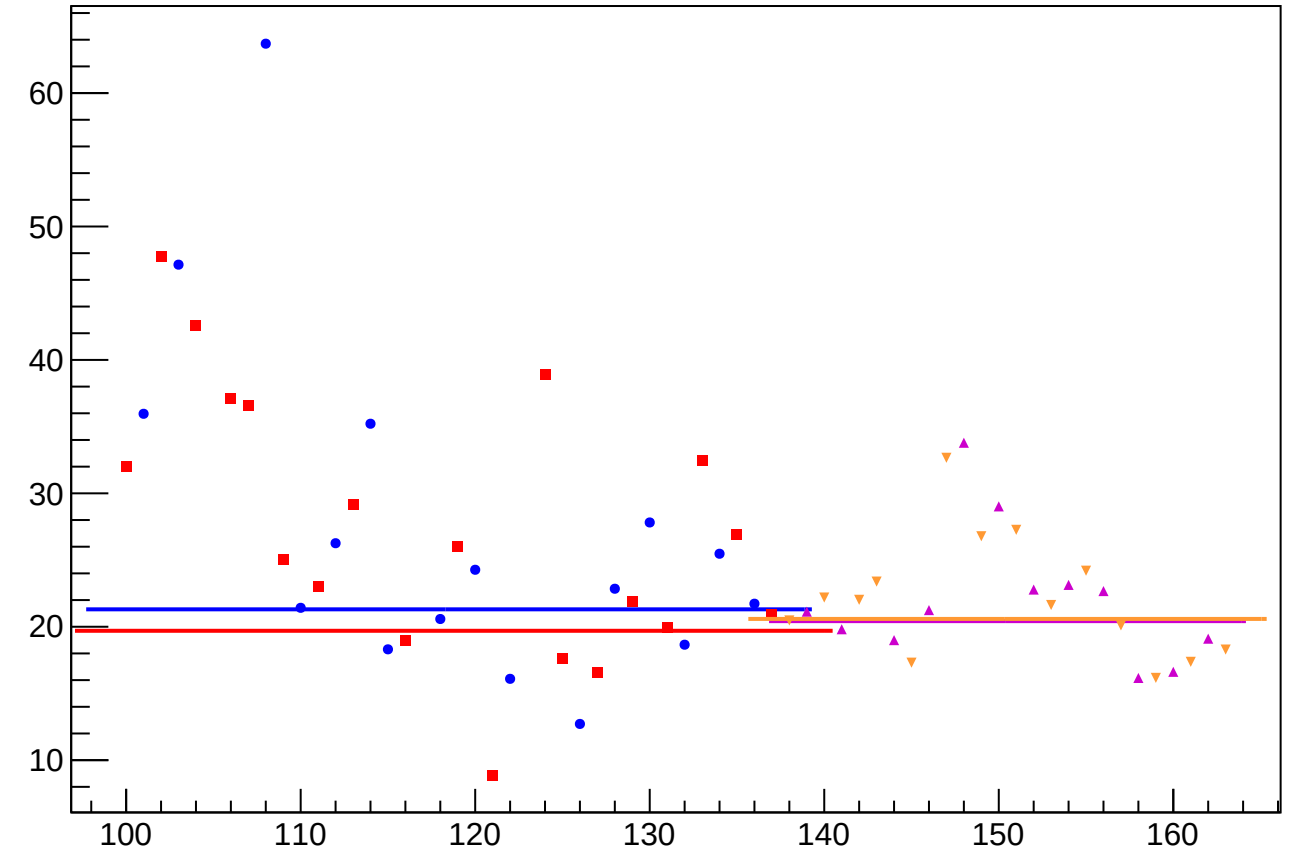
Left In: 20.421+/-0.005 χ^2/NDF:697712.2/11

\+ sign 20.839+/-0.004 χ^2/NDF: 2231589.6/29

All: 20.491+/-0.003 χ^2/NDF: 5396035.4/60

\- sign 20.138+/-0.004 χ^2/NDF: 3145741.7/30


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.005+/-0.007 χ²/NDF:9.0/11
+ sign 0.013+/-0.005 χ²/NDF: 41.6/29
All: 0.011+/-0.004 χ²/NDF: 62.1/60
- sign 0.009+/-0.005 χ²/NDF: 20.1/30



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.587+/-0.004 χ^2/NDF:743338.8/13

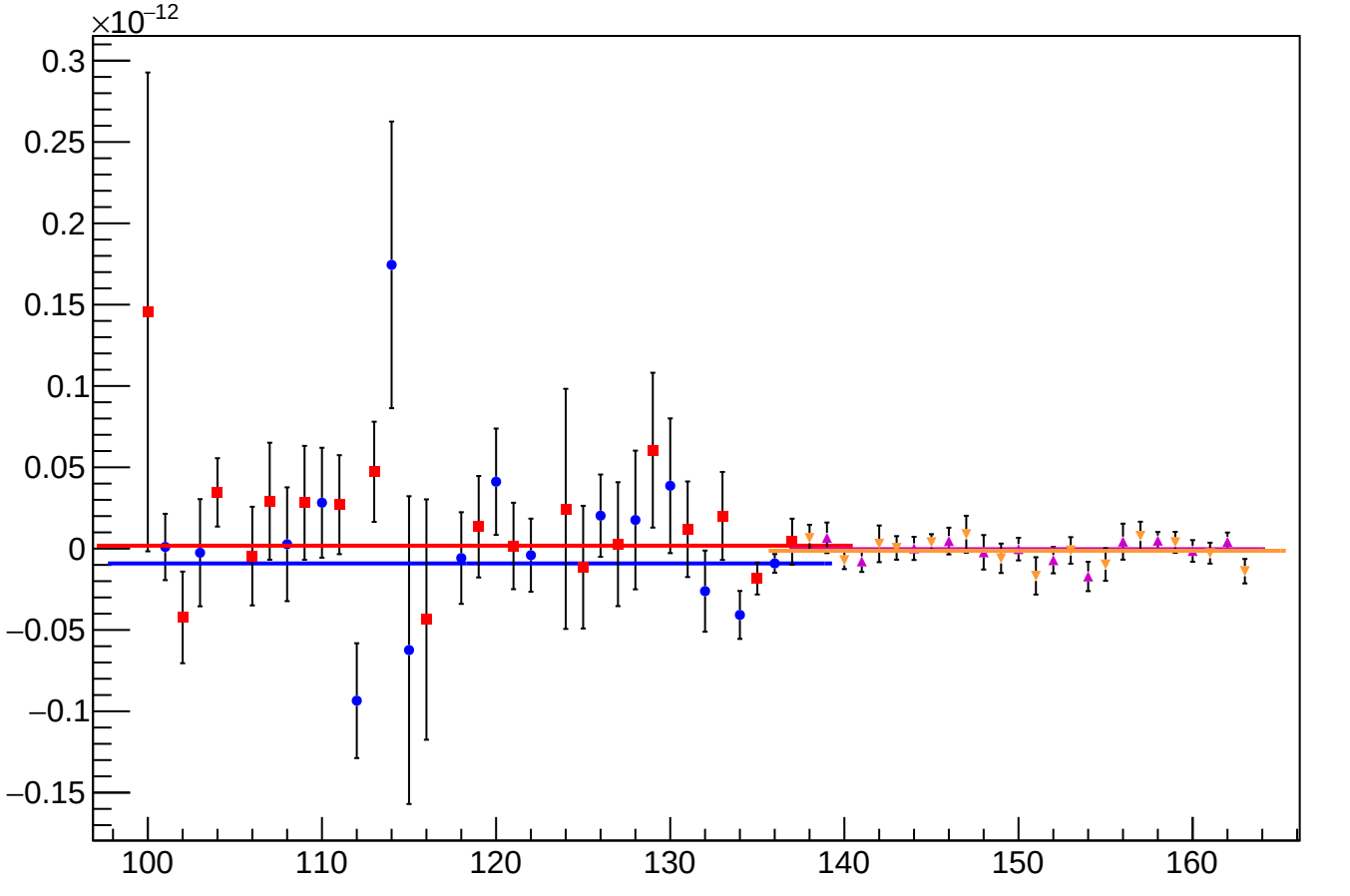
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.421+/-0.005 χ^2/NDF:697712.2/11

+ sign 20.839+/-0.004 χ^2/NDF: 2231589.6/29

All: 20.491+/-0.003 χ^2/NDF: 5396035.4/60

- sign 20.138+/-0.004 χ^2/NDF: 3145741.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/13

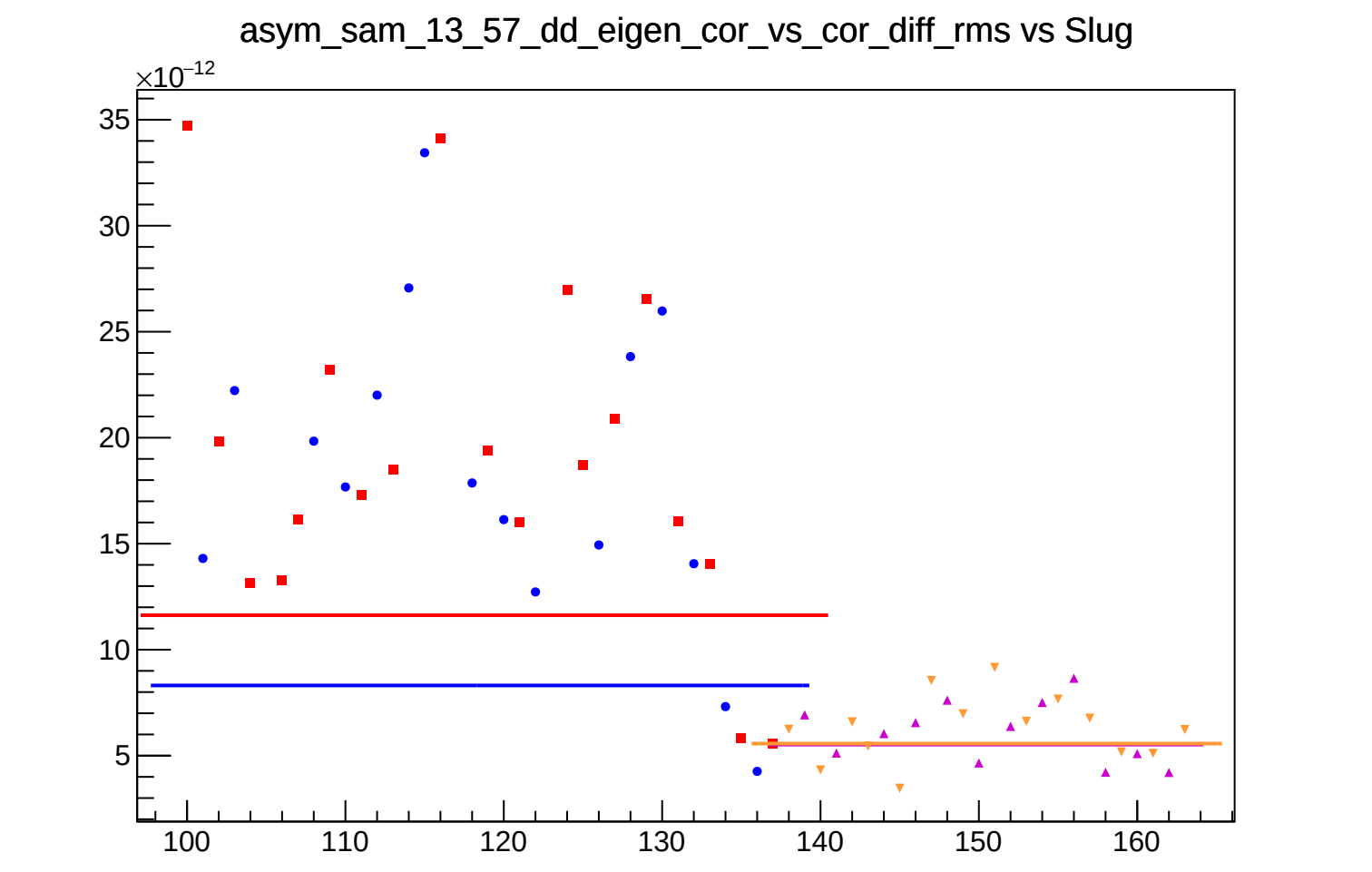
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/29

All: -0.000+/-0.000 χ^2/NDF: 62.8/60

- sign -0.000+/-0.000 χ^2/NDF: 25.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1065899.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

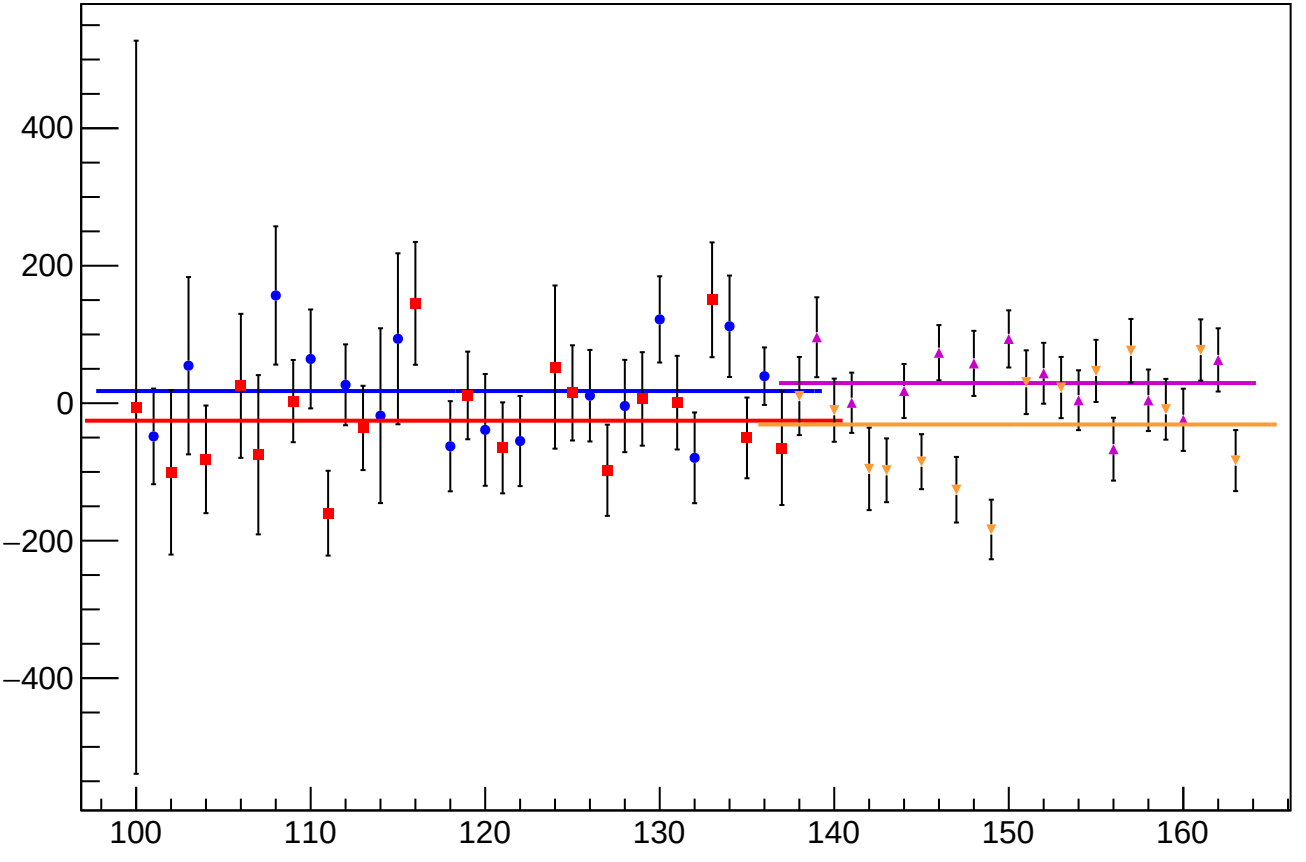
Left In: 0.000+/-0.000 χ^2/NDF:718774.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 5417755.9/29

All: 0.000+/-0.000 χ^2/NDF: 10788710.7/60

- sign 0.000+/-0.000 χ^2/NDF: 5355721.4/30

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.971+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

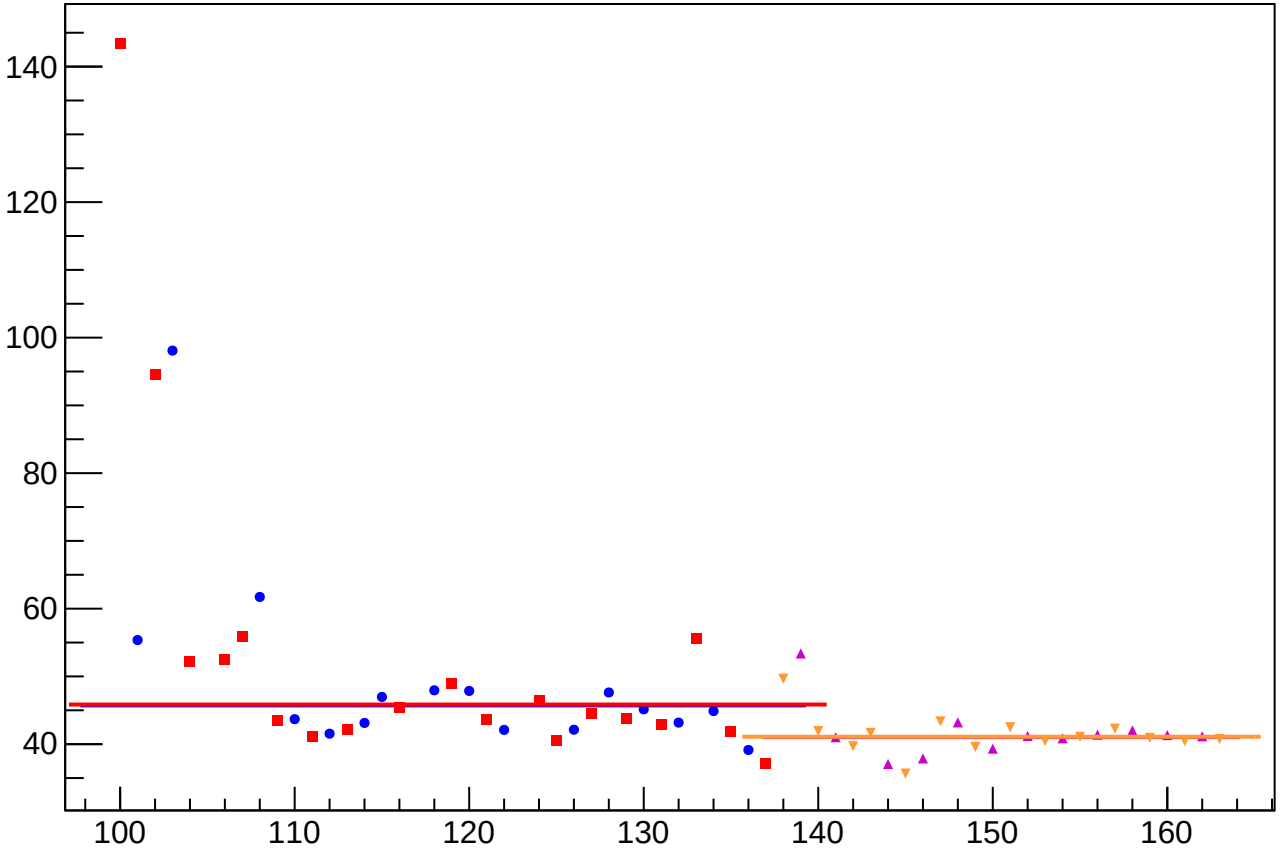
Left In: 29.306+/-12.823 χ^2/NDF:12.9/11

+ sign -14.770+/-10.079 χ^2/NDF: 60.4/29

All: -2.691+/-7.207 χ^2/NDF: 100.5/60

- sign 9.947+/-10.309 χ^2/NDF: 37.2/30

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

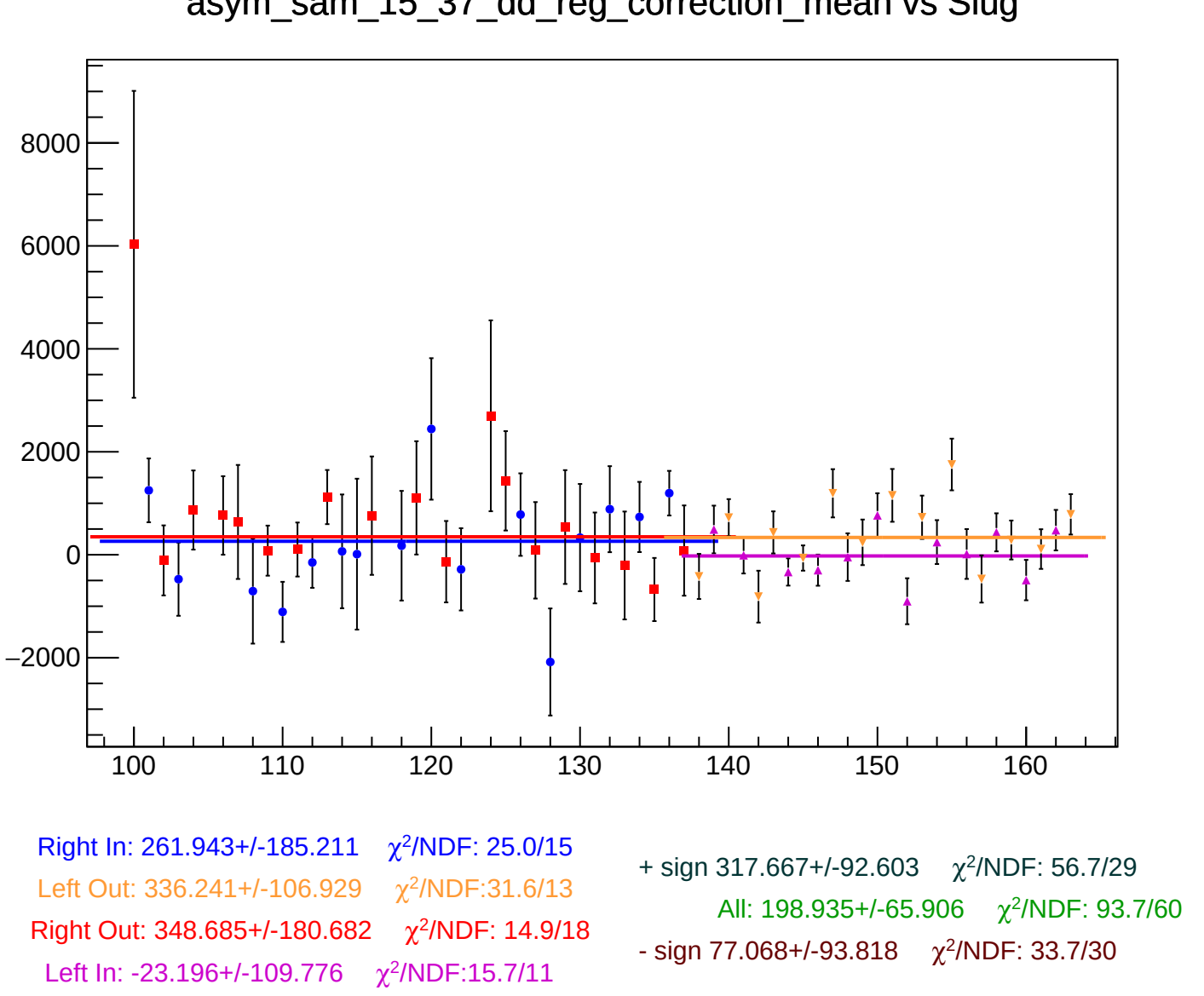
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

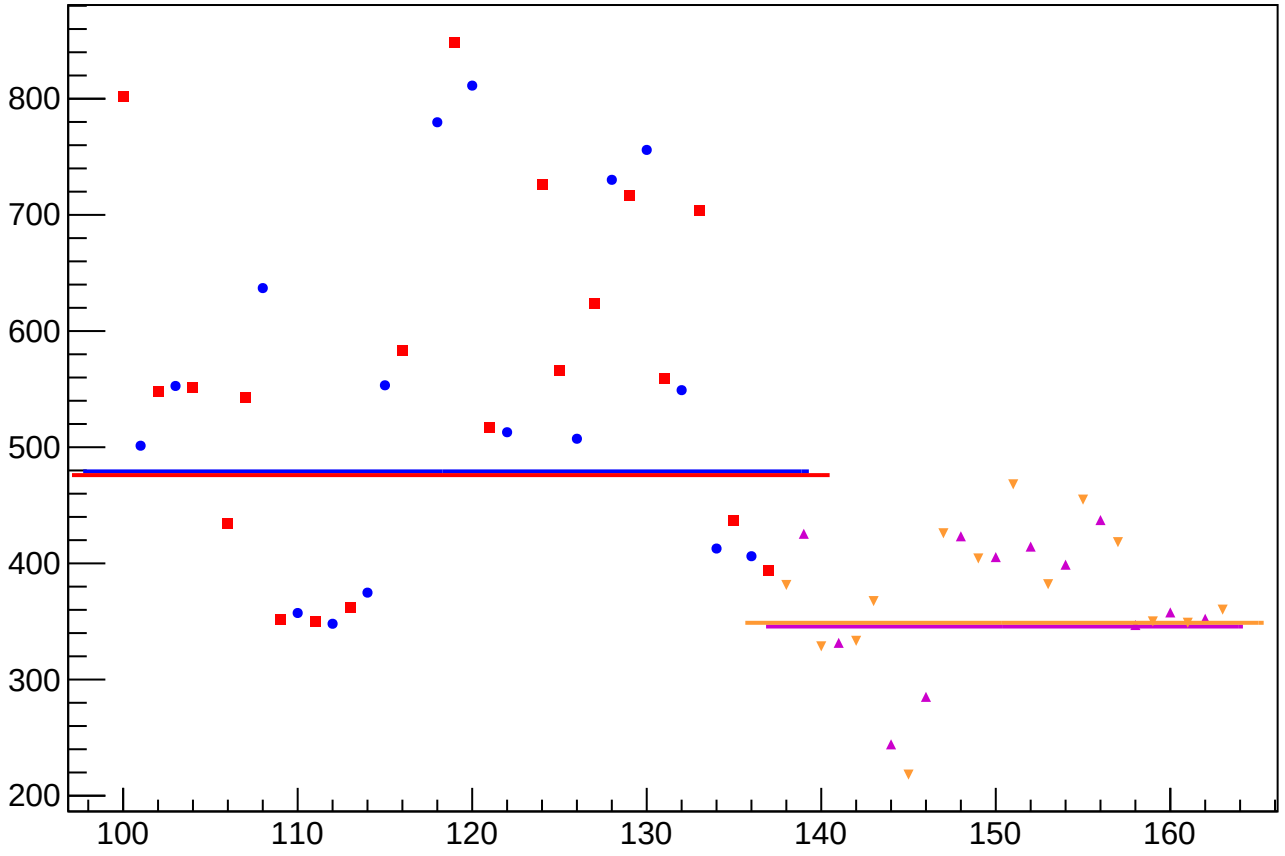
+ sign 42.639+/-0.007 χ^2/NDF: 690565.5/29

All: 42.689+/-0.005 χ^2/NDF: 1461846.3/60

- sign 42.741+/-0.007 χ^2/NDF: 771180.5/30


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 336.241+/-106.929 χ²/NDF:31.6/13
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -23.196+/-109.776 χ²/NDF:15.7/11
+ sign 317.667+/-92.603 χ²/NDF: 56.7/29
All: 198.935+/-65.906 χ²/NDF: 93.7/60
- sign 77.068+/-93.818 χ²/NDF: 33.7/30

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 348.859+/-0.076 χ^2/NDF:932828.5/13

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

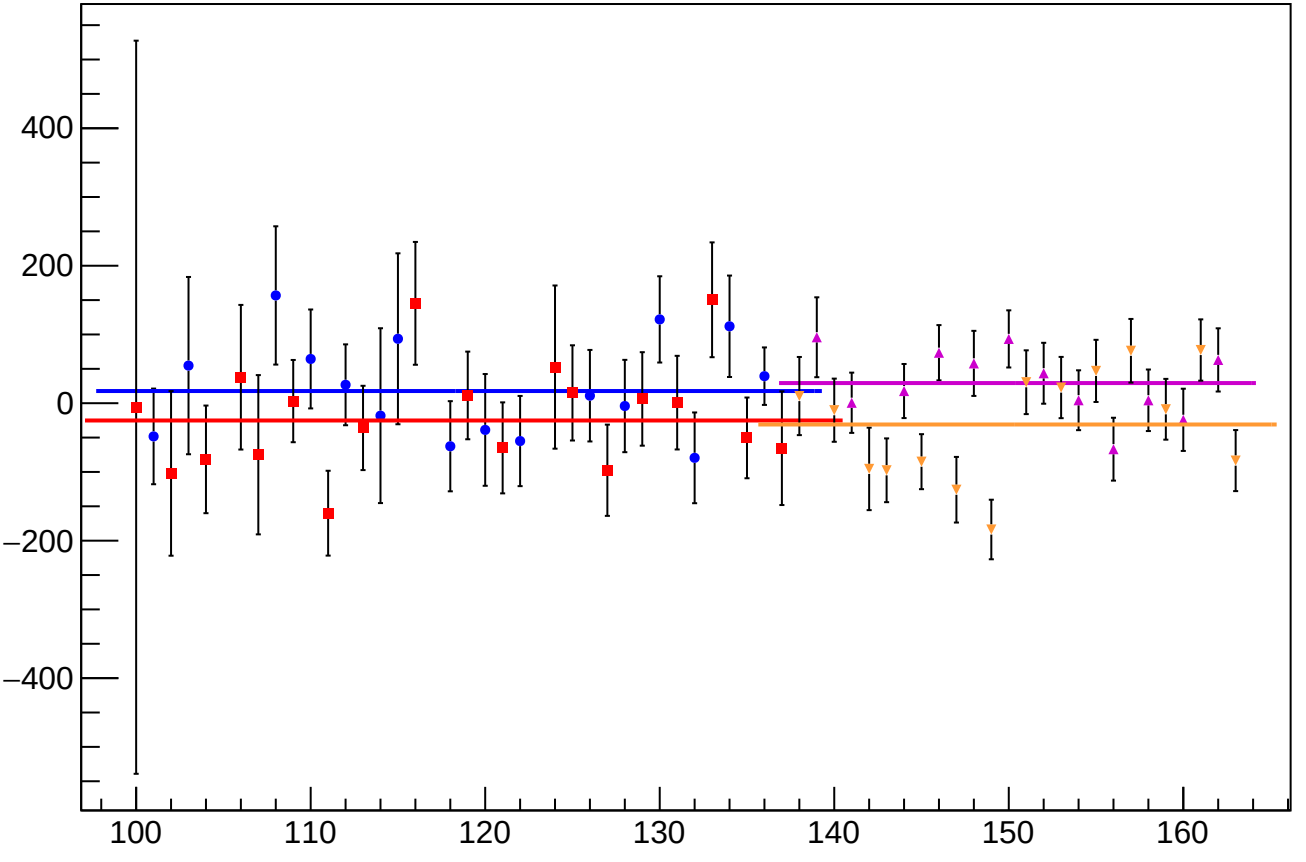
Left In: 345.663+/-0.078 χ^2/NDF:684333.3/11

+ sign 381.437+/-0.065 χ^2/NDF: 2628165.1/29

All: 381.123+/-0.047 χ^2/NDF: 5079073.2/60

- sign 380.801+/-0.066 χ^2/NDF: 2450861.6/30

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

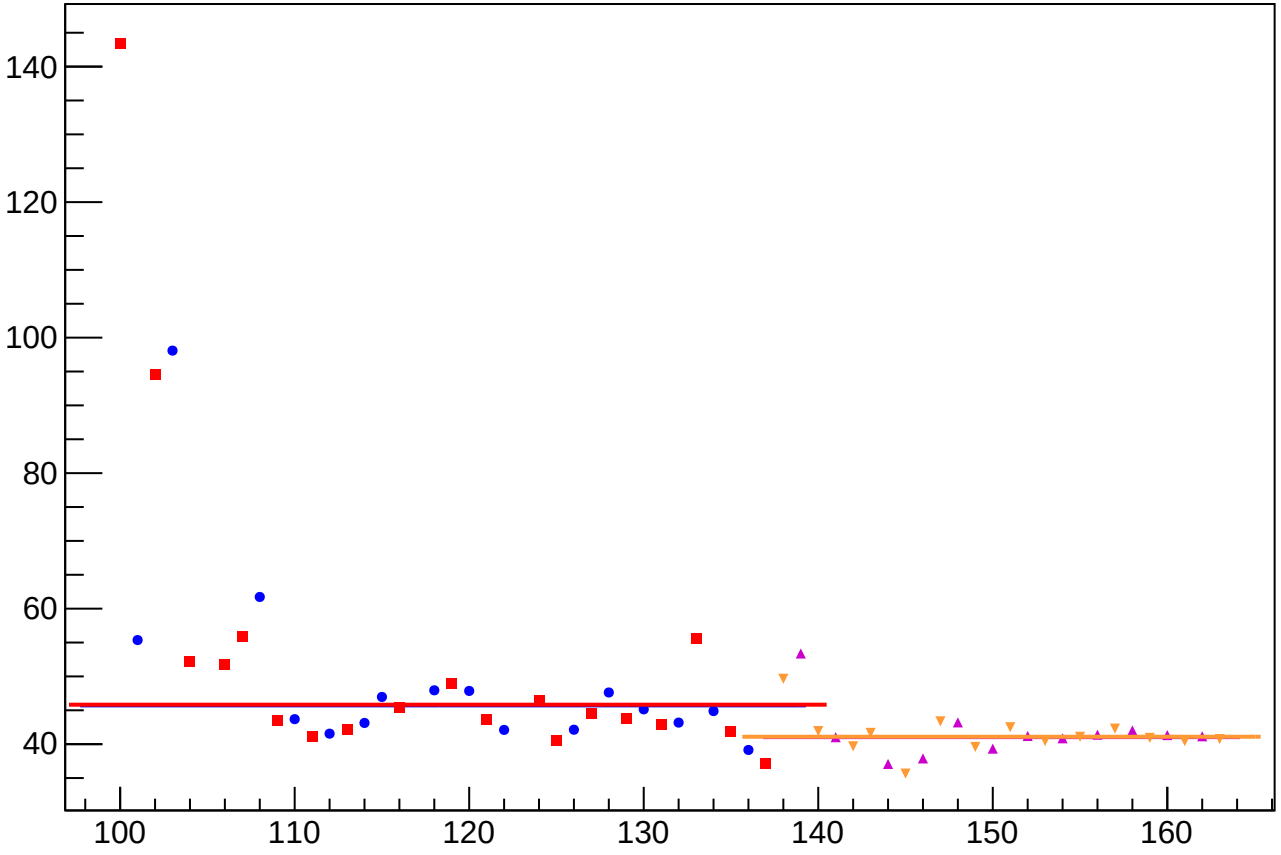
Left In: 29.306+/-12.823 χ^2/NDF:12.9/11

+ sign -14.769+/-10.079 χ^2/NDF: 60.4/29

All: -2.638+/-7.207 χ^2/NDF: 100.6/60

- sign 10.055+/-10.310 χ^2/NDF: 37.3/30

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

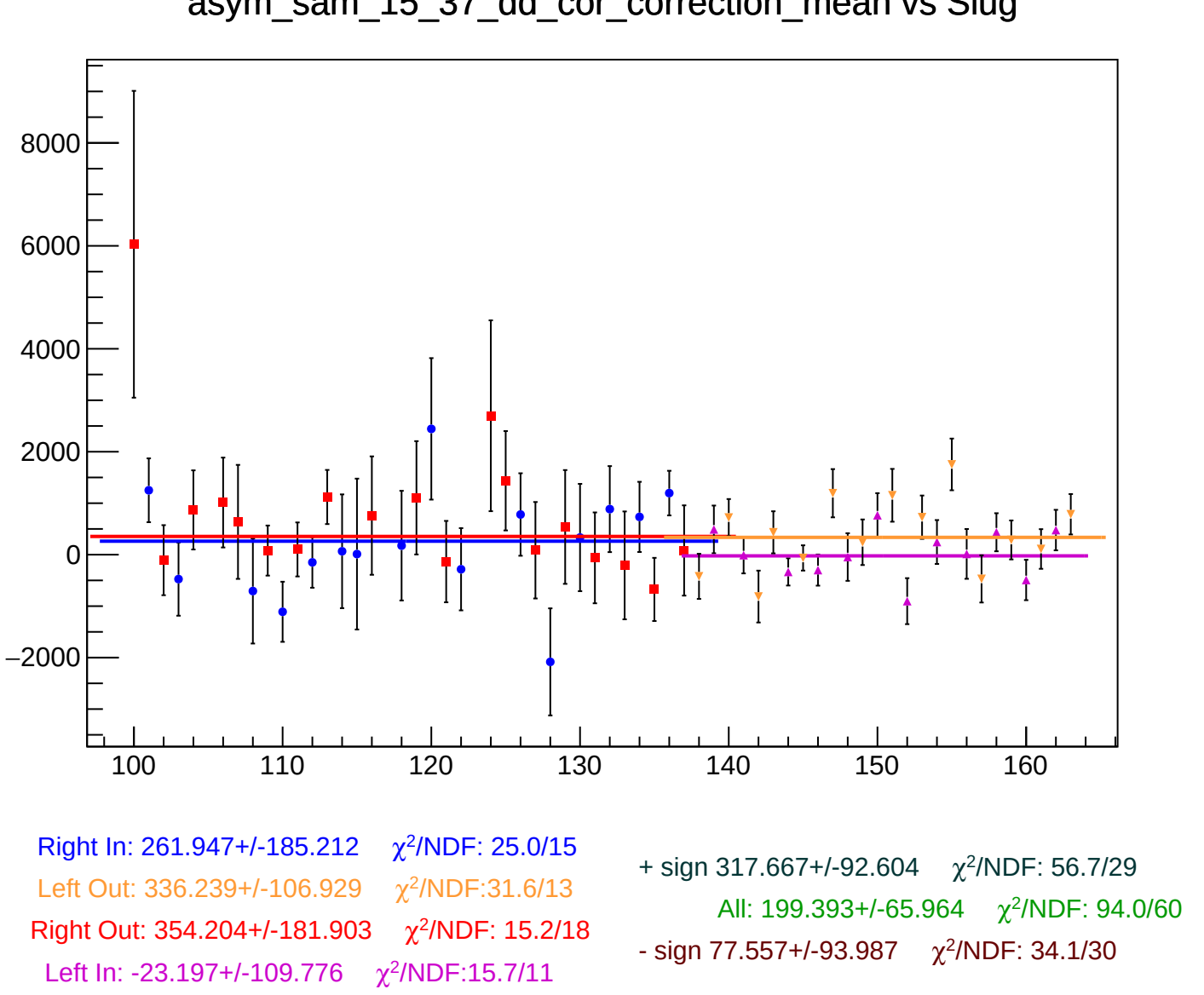
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

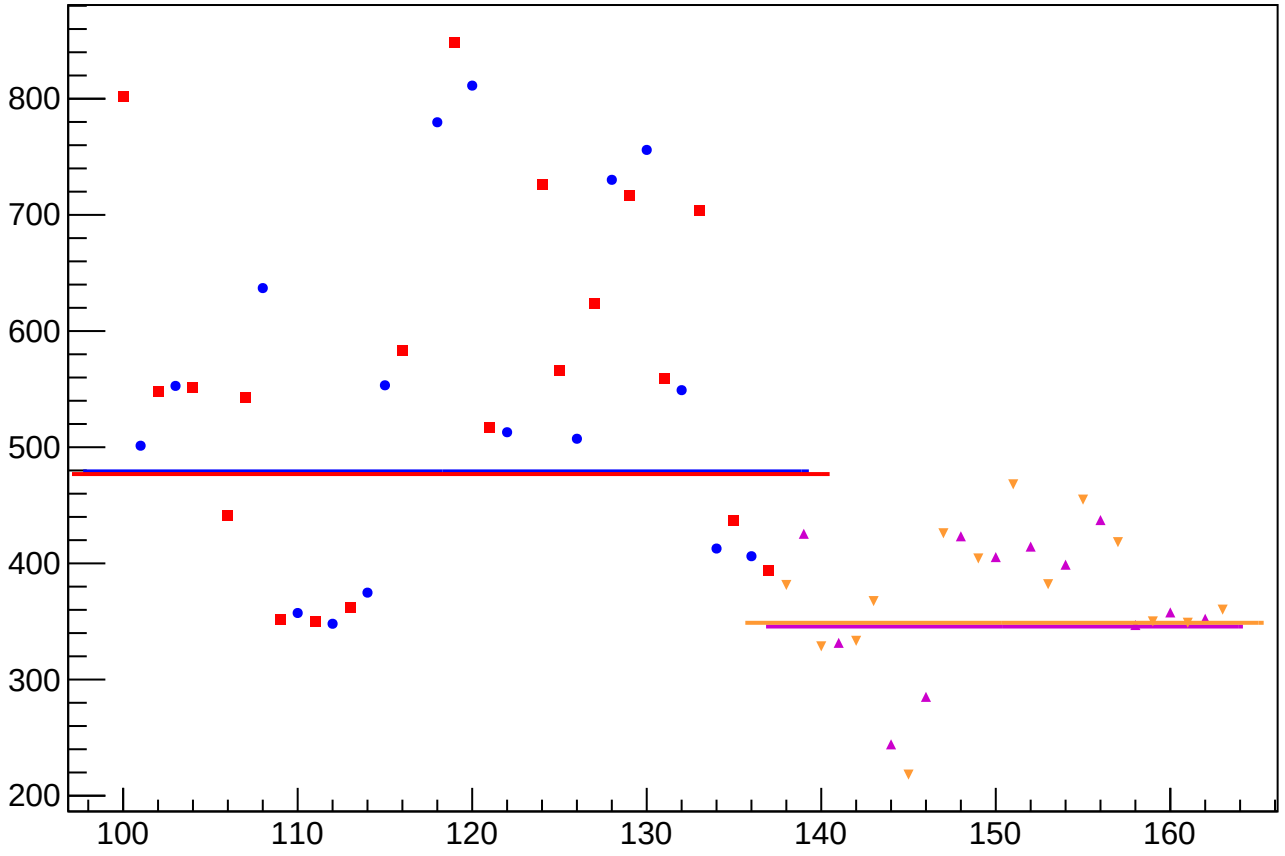
+ sign 42.639+/-0.007 χ^2/NDF: 690568.5/29

All: 42.684+/-0.005 χ^2/NDF: 1459145.3/60

- sign 42.732+/-0.007 χ^2/NDF: 768492.9/30


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 336.239+/-106.929 χ²/NDF:31.6/13
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -23.197+/-109.776 χ²/NDF:15.7/11
+ sign 317.667+/-92.604 χ²/NDF: 56.7/29
All: 199.393+/-65.964 χ²/NDF: 94.0/60
- sign 77.557+/-93.987 χ²/NDF: 34.1/30

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

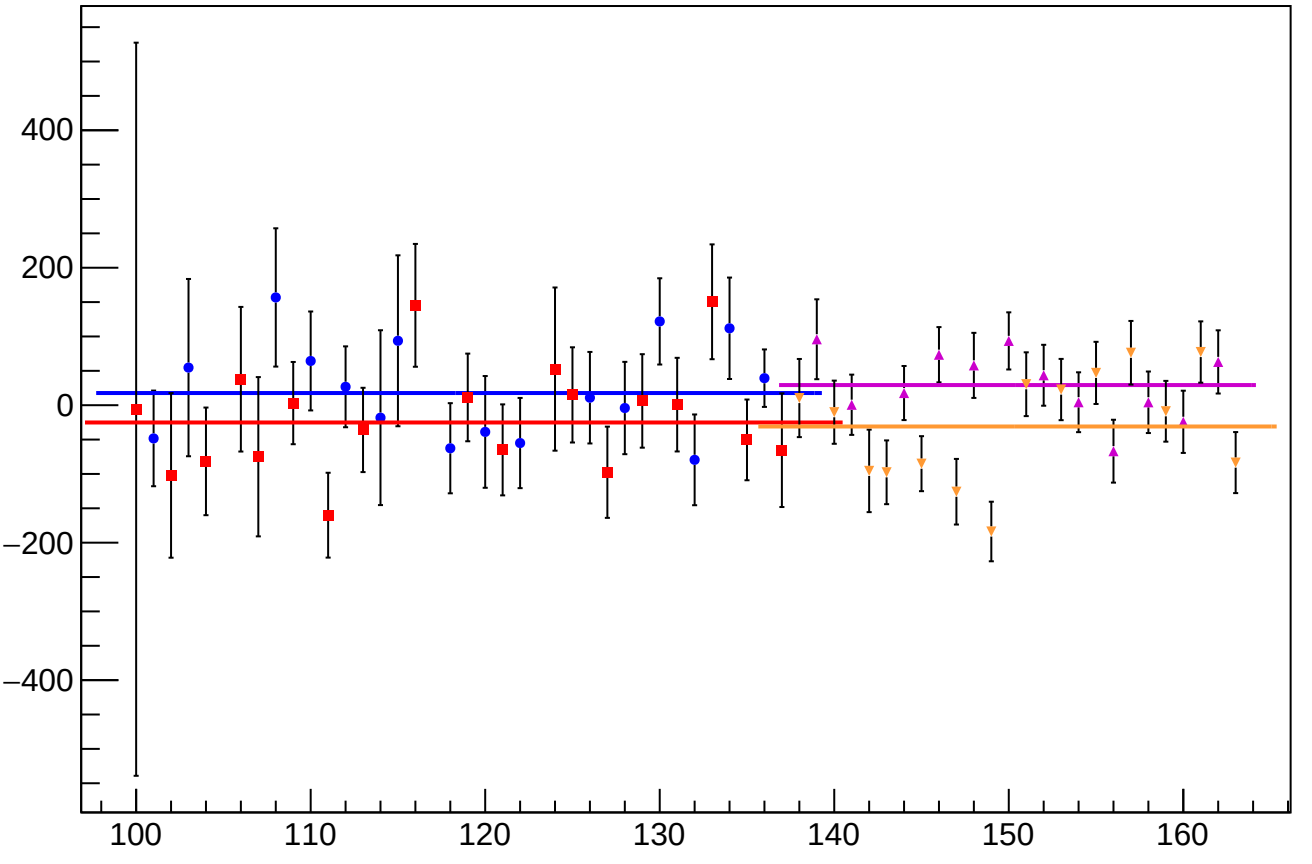
Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 345.663+/-0.078 χ^2/NDF:684333.6/11

+ sign 381.437+/-0.065 χ^2/NDF: 2628214.7/29

All: 381.073+/-0.047 χ^2/NDF: 5079406.7/60

- sign 380.697+/-0.066 χ^2/NDF: 2451129.1/30



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

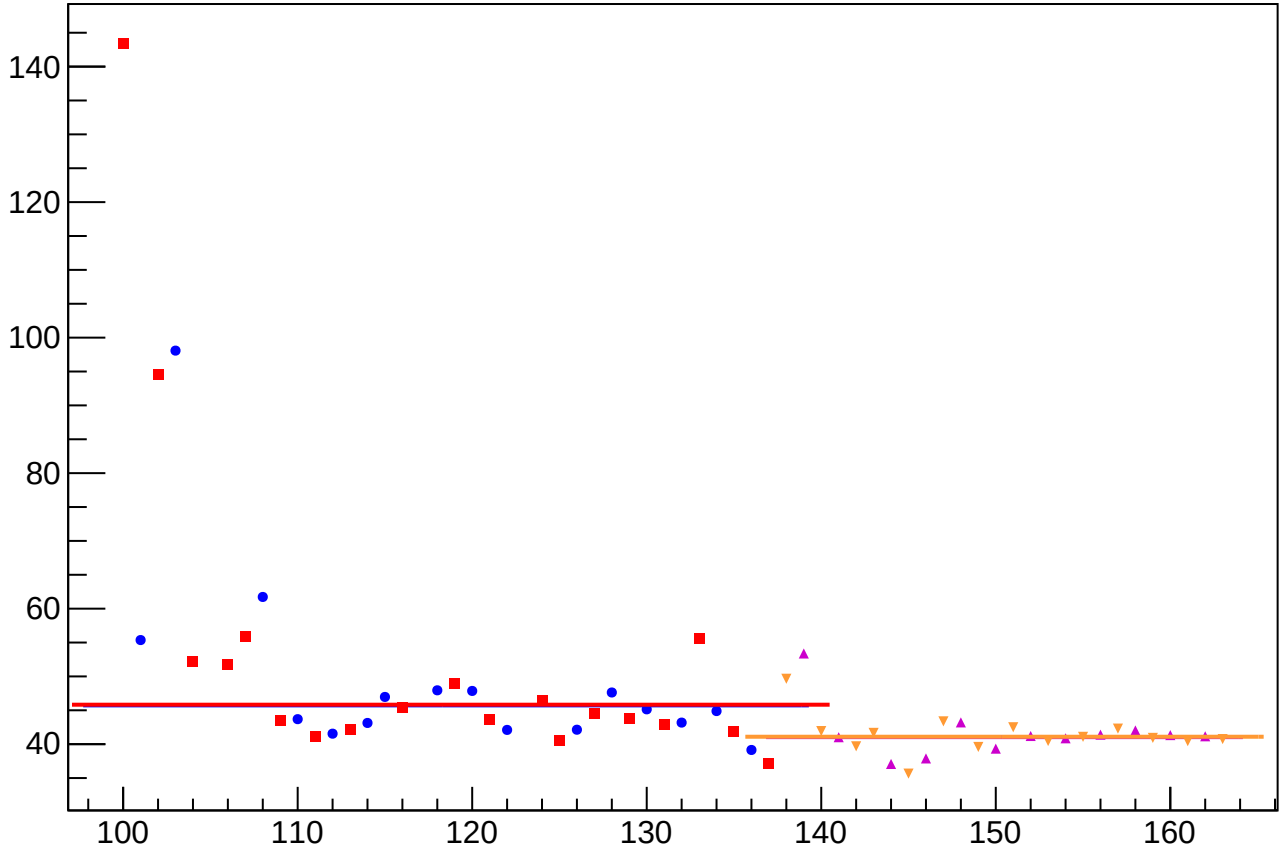
Left In: 29.306+/-12.823 χ^2/NDF:12.9/11

\+ sign -14.769+/-10.079 χ^2/NDF: 60.4/29

All: -2.638+/-7.207 χ^2/NDF: 100.6/60

\- sign 10.055+/-10.310 χ^2/NDF: 37.3/30

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

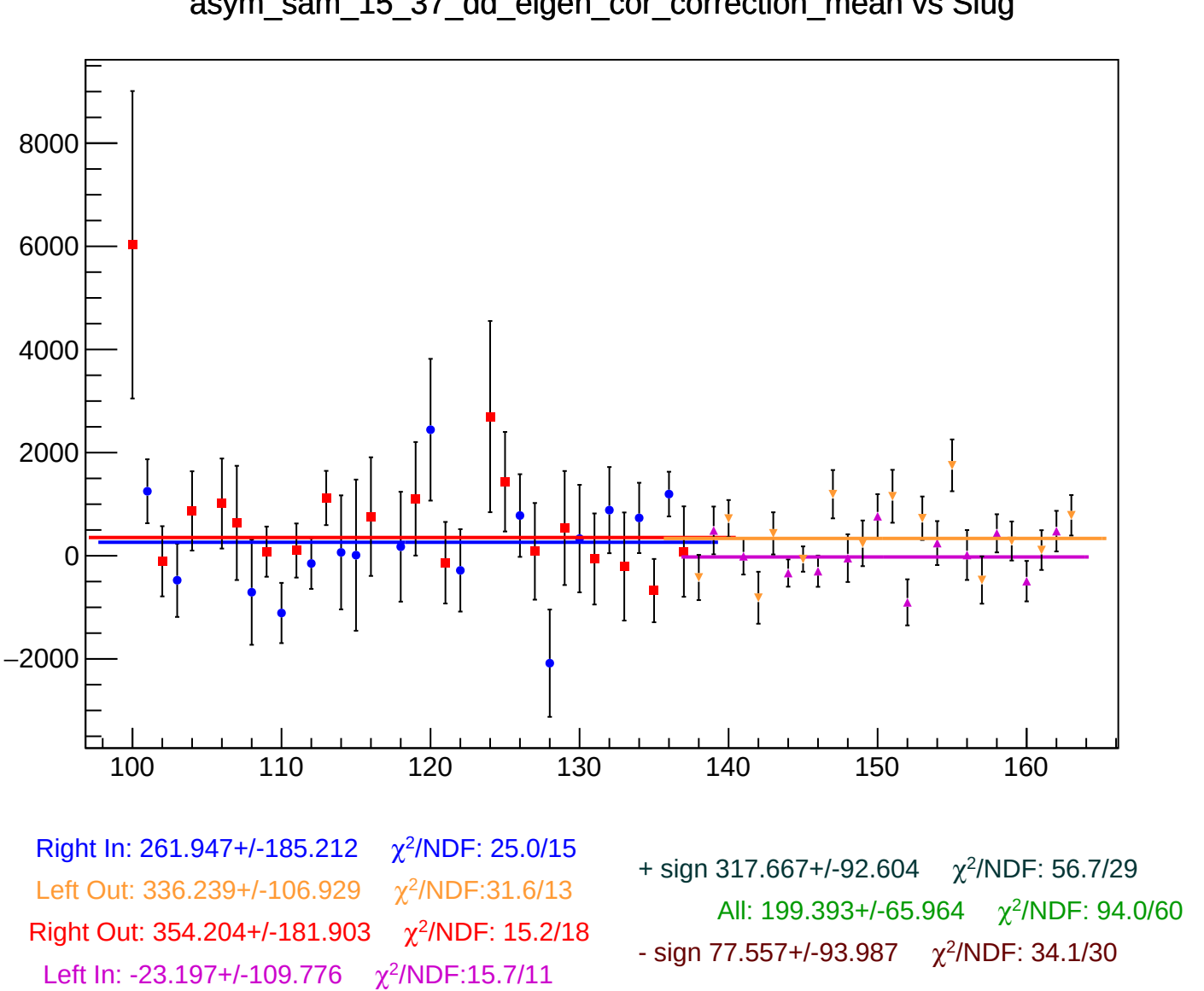
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

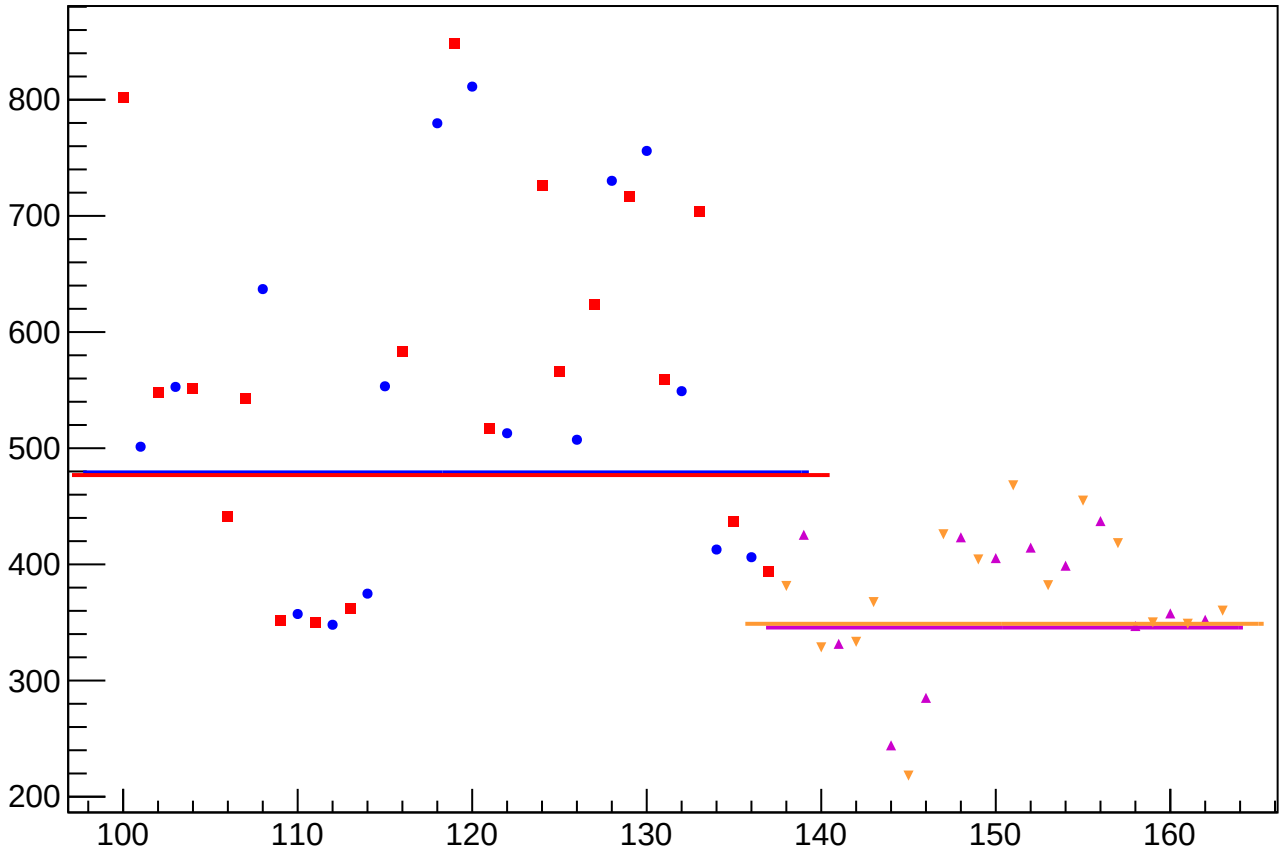
Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

+ sign 42.639+/-0.007 χ^2/NDF: 690568.5/29

All: 42.684+/-0.005 χ^2/NDF: 1459145.3/60

- sign 42.732+/-0.007 χ^2/NDF: 768492.9/30


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 336.239+/-106.929 χ²/NDF:31.6/13
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -23.197+/-109.776 χ²/NDF:15.7/11
+ sign 317.667+/-92.604 χ²/NDF: 56.7/29
All: 199.393+/-65.964 χ²/NDF: 94.0/60
- sign 77.557+/-93.987 χ²/NDF: 34.1/30



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

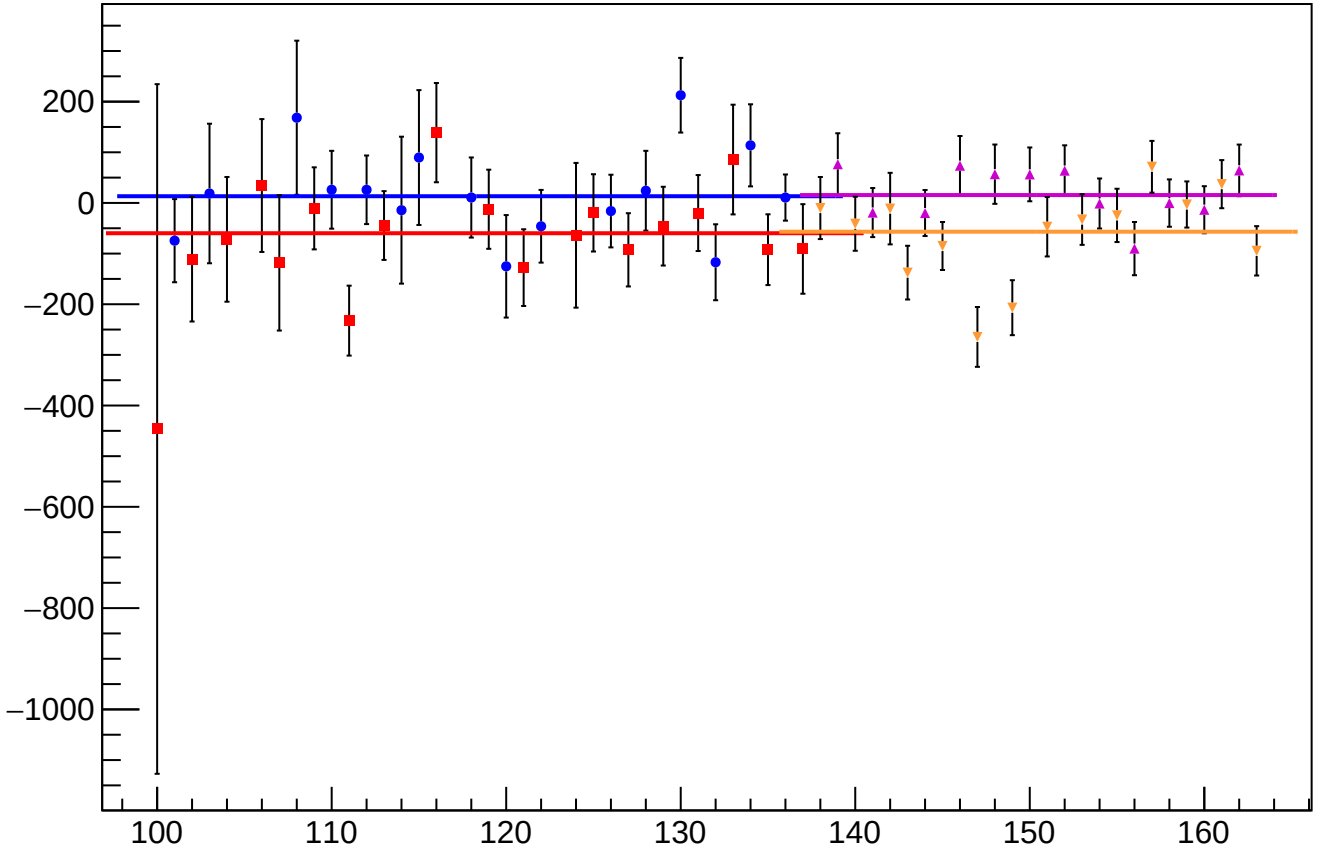
Left In: 345.663+/-0.078 χ^2/NDF:684333.6/11

+ sign 381.437+/-0.065 χ^2/NDF: 2628214.7/29

All: 381.073+/-0.047 χ^2/NDF: 5079406.7/60

- sign 380.697+/-0.066 χ^2/NDF: 2451129.1/30

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.790+/-14.105 χ^2/NDF:36.6/13

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

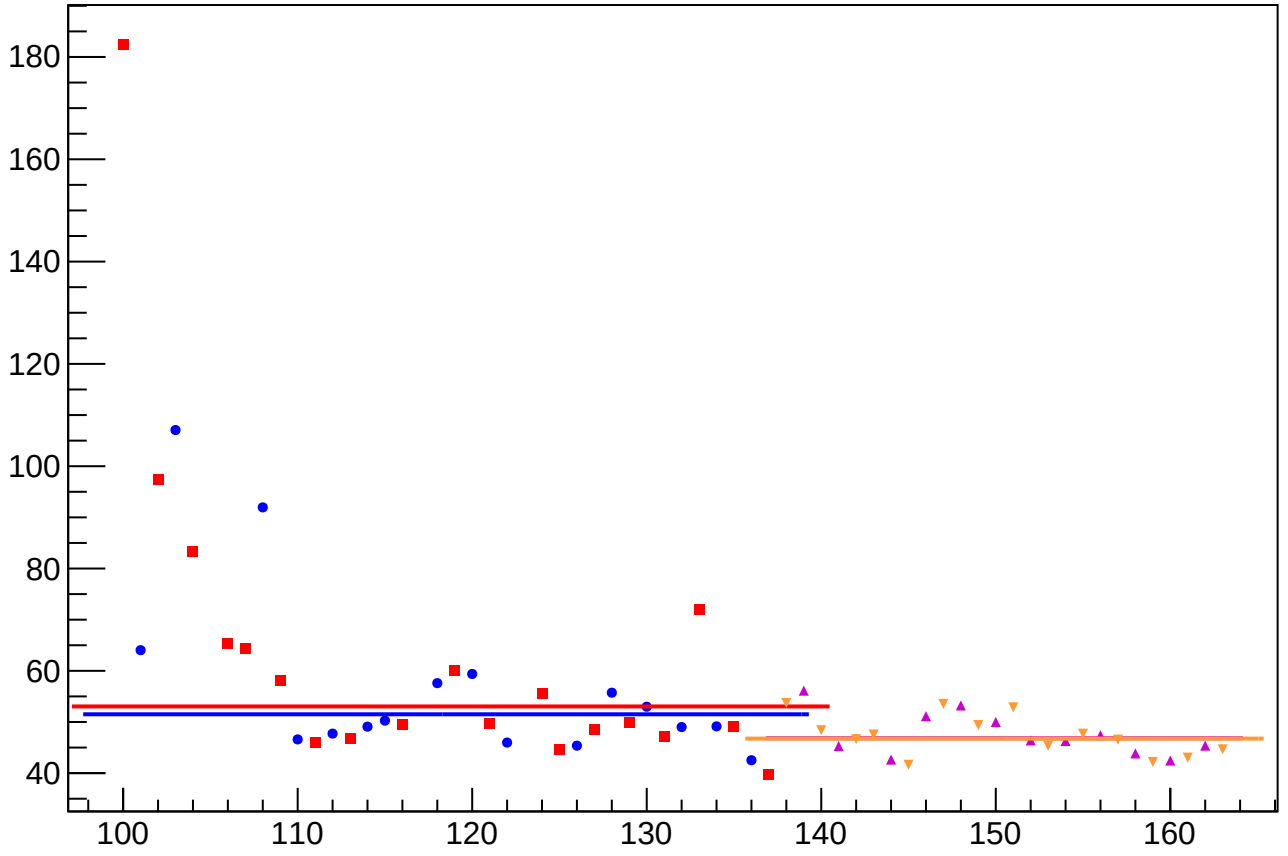
Left In: 15.555+/-14.756 χ^2/NDF:10.7/11

+ sign -33.283+/-11.498 χ^2/NDF: 62.1/29

All: -22.358+/-8.276 χ^2/NDF: 99.8/60

- sign -10.610+/-11.922 χ^2/NDF: 35.8/30

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.753+/-0.010 χ^2/NDF:142562.4/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

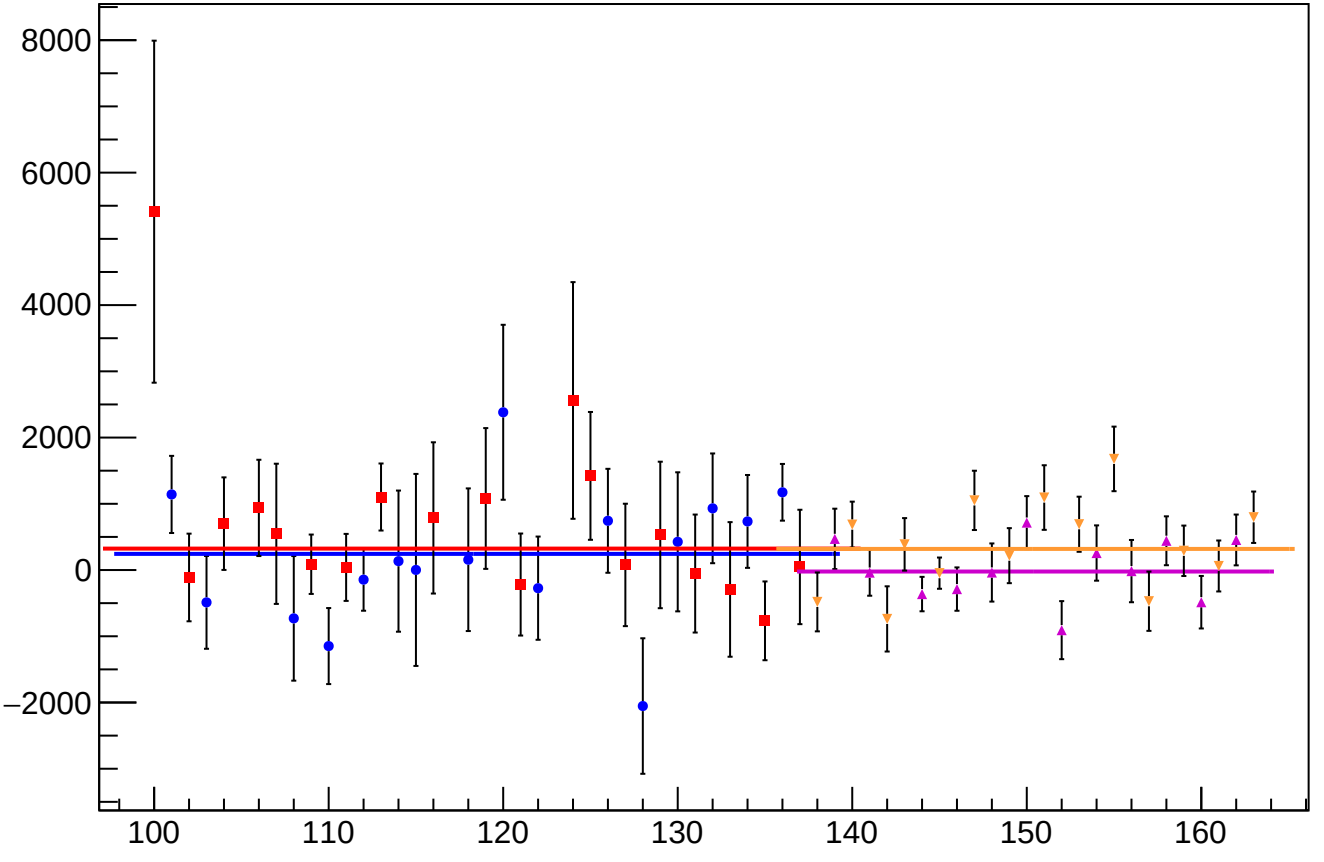
Left In: 46.818+/-0.010 χ^2/NDF:135020.1/11

+ sign 48.348+/-0.008 χ^2/NDF: 885800.7/29

All: 48.651+/-0.006 χ^2/NDF: 1859985.0/60

- sign 48.977+/-0.008 χ^2/NDF: 971297.7/30

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

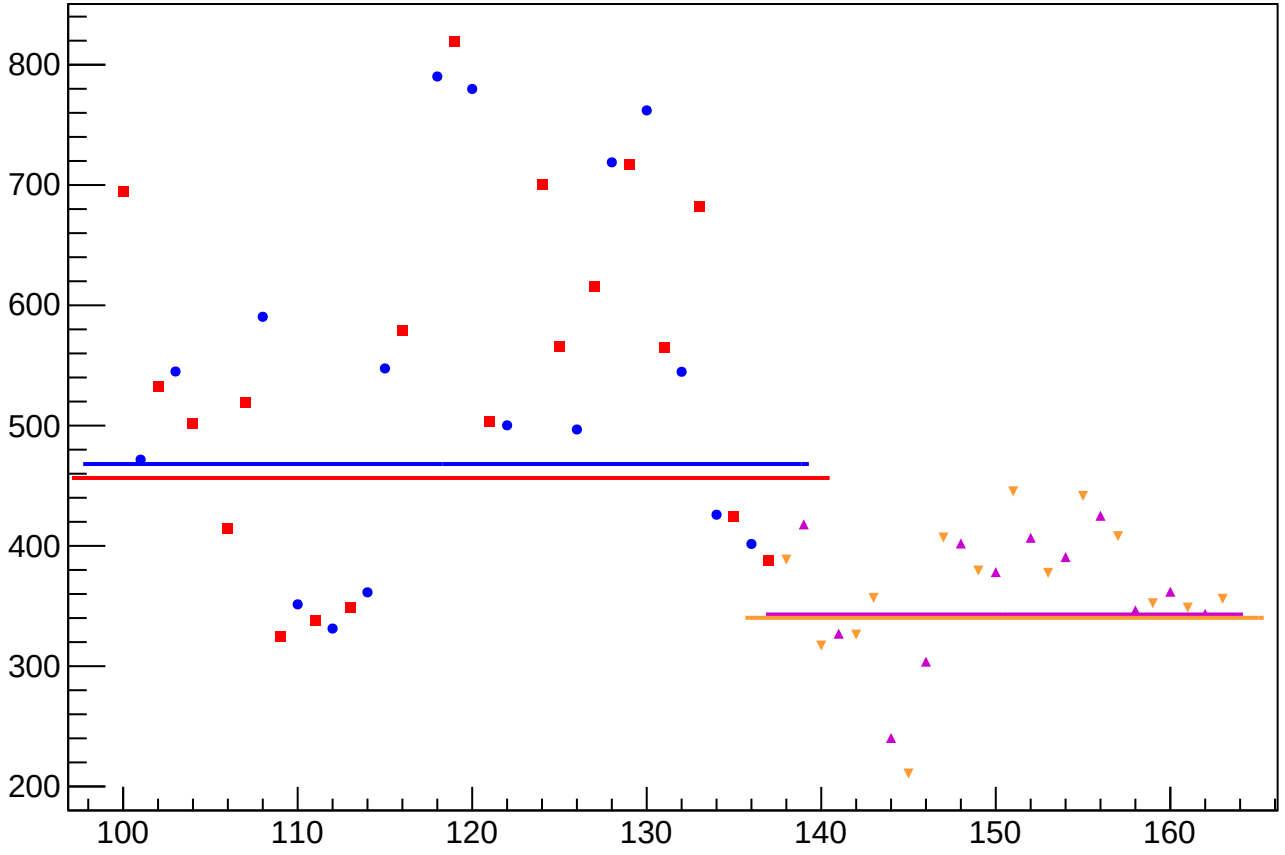
Left In: -22.539+/-108.720 χ^2/NDF:16.0/11

\+ sign 300.174+/-90.280 χ^2/NDF: 56.1/29

All: 189.869+/-64.487 χ^2/NDF: 94.4/60

\- sign 74.957+/-92.146 χ^2/NDF: 35.3/30

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 340.220+/-0.074 χ^2/NDF:950783.9/13

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

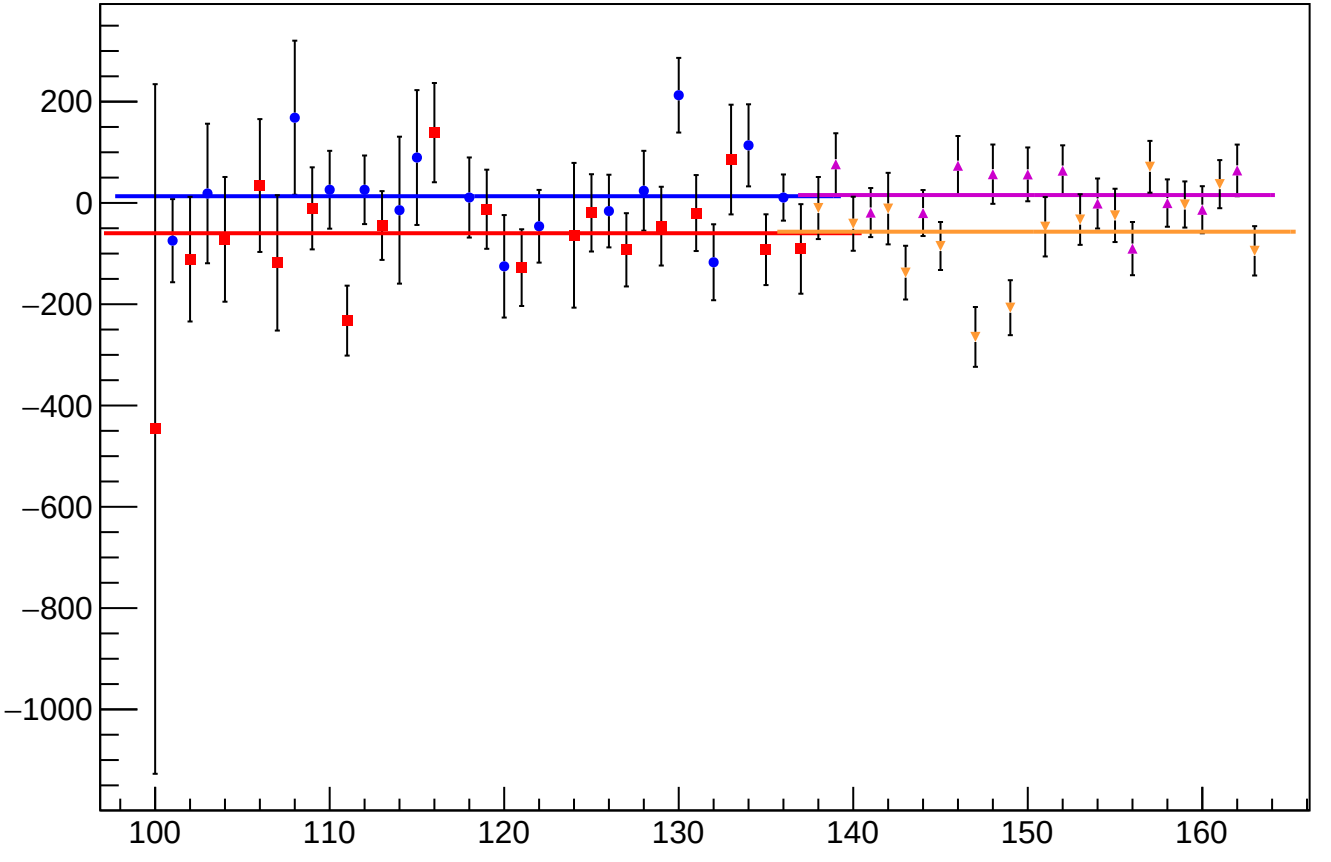
Left In: 342.965+/-0.077 χ^2/NDF:584920.5/11

+ sign 372.071+/-0.064 χ^2/NDF: 2683973.9/29

All: 373.472+/-0.046 χ^2/NDF: 4966391.0/60

- sign 374.932+/-0.065 χ^2/NDF: 2281433.4/30

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.791+/-14.105 χ^2/NDF:36.6/13

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

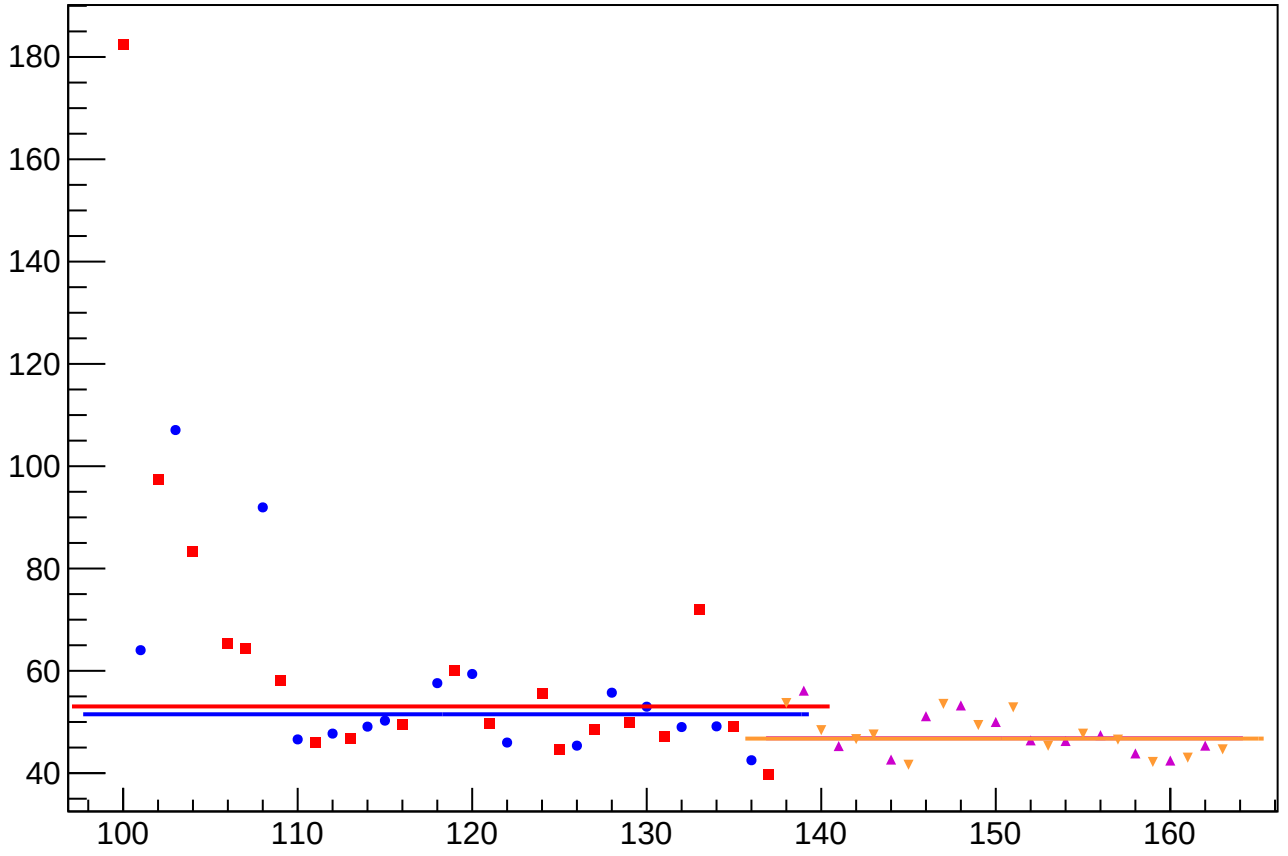
Left In: 15.555+/-14.756 χ^2/NDF:10.7/11

+ sign -33.284+/-11.498 χ^2/NDF: 62.1/29

All: -22.358+/-8.276 χ^2/NDF: 99.8/60

- sign -10.611+/-11.922 χ^2/NDF: 35.8/30

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.753+/-0.010 χ^2/NDF:142565.1/13

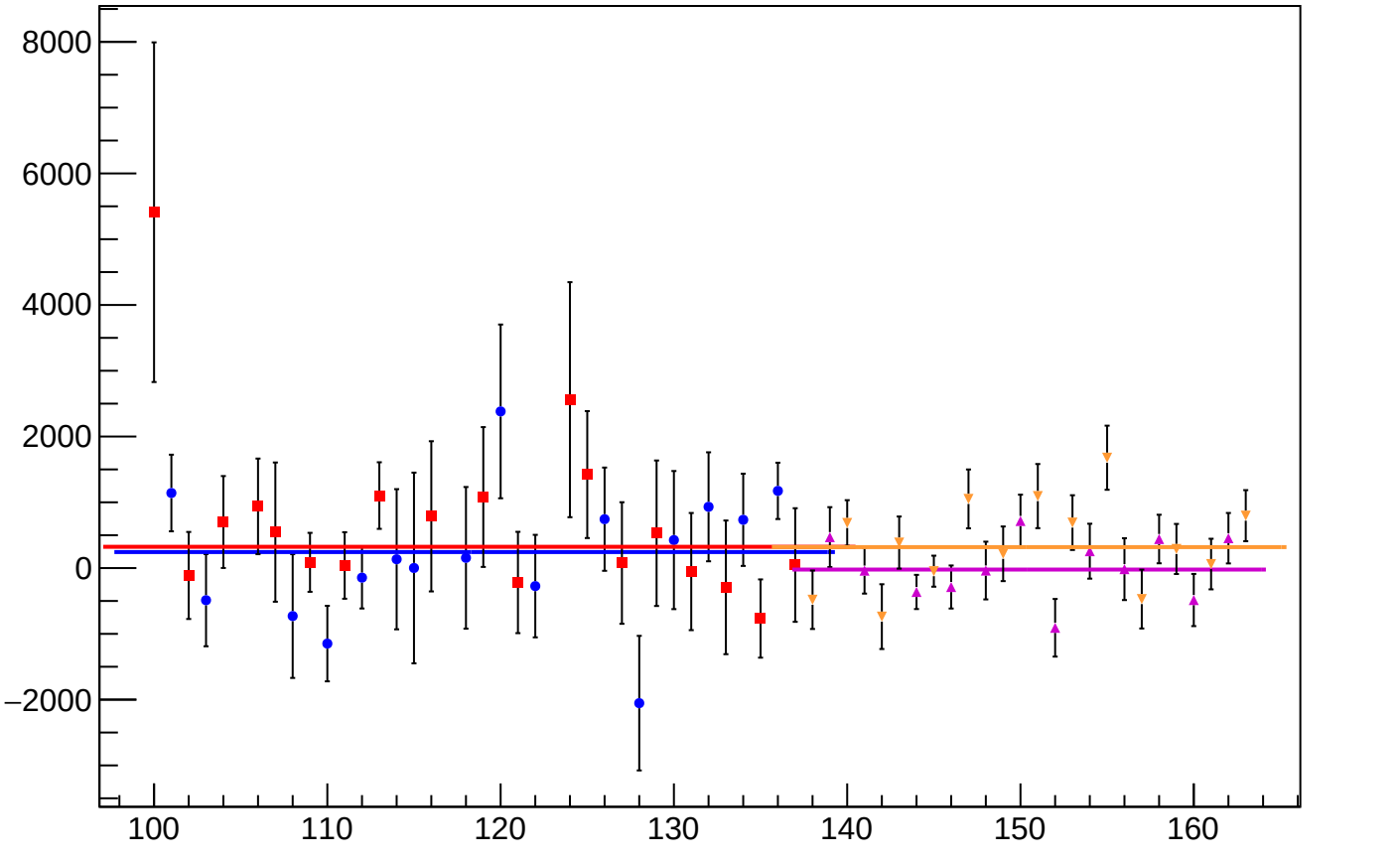
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.818+/-0.010 χ^2/NDF:135021.1/11

+ sign 48.348+/-0.008 χ^2/NDF: 885807.7/29

All: 48.651+/-0.006 χ^2/NDF: 1860003.1/60

- sign 48.977+/-0.008 χ^2/NDF: 971308.9/30



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 318.870+/-104.186 χ^2/NDF:30.3/13

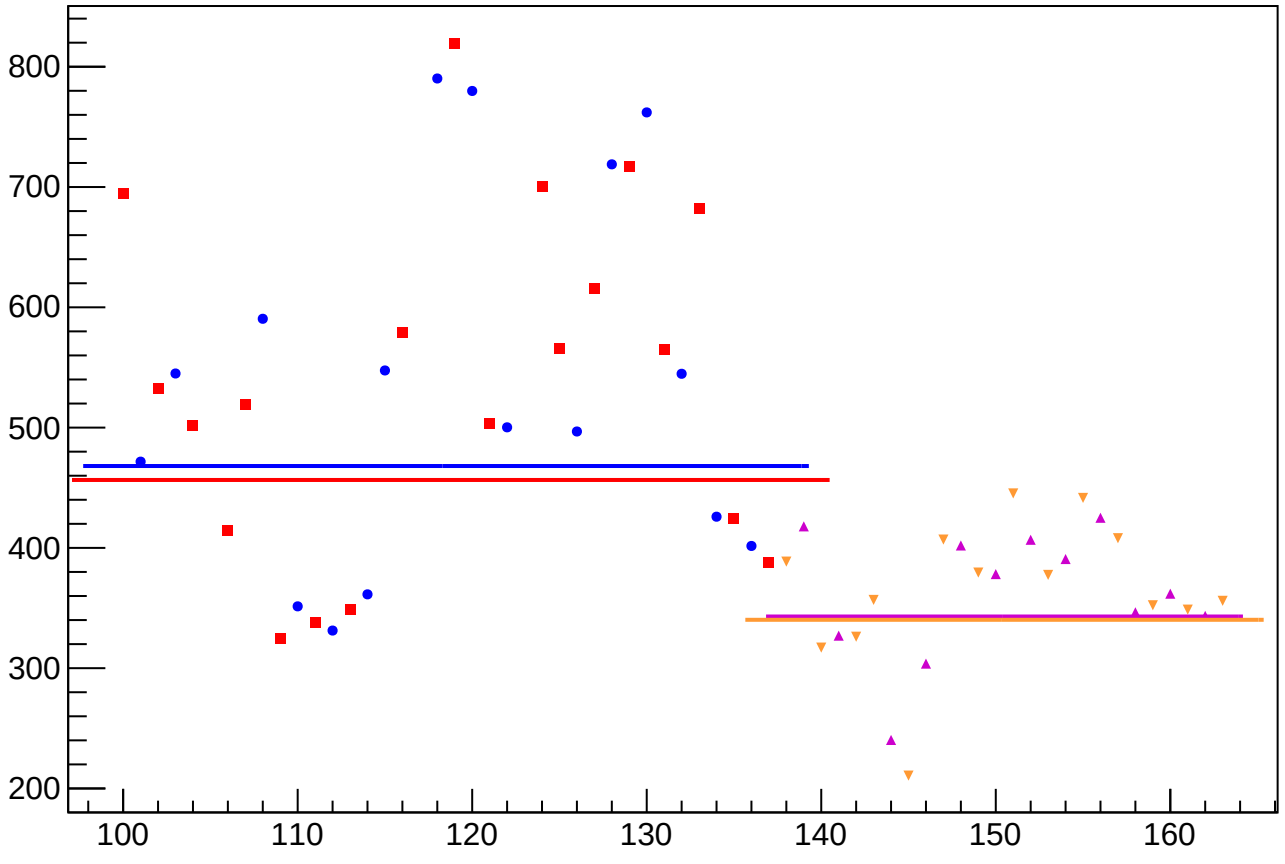
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -22.539+/-108.720 χ^2/NDF:16.0/11

\+ sign 300.174+/-90.280 χ^2/NDF: 56.1/29

All: 189.869+/-64.487 χ^2/NDF: 94.4/60

\- sign 74.957+/-92.146 χ^2/NDF: 35.3/30



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 340.220+/-0.074 χ^2/NDF:950788.4/13

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

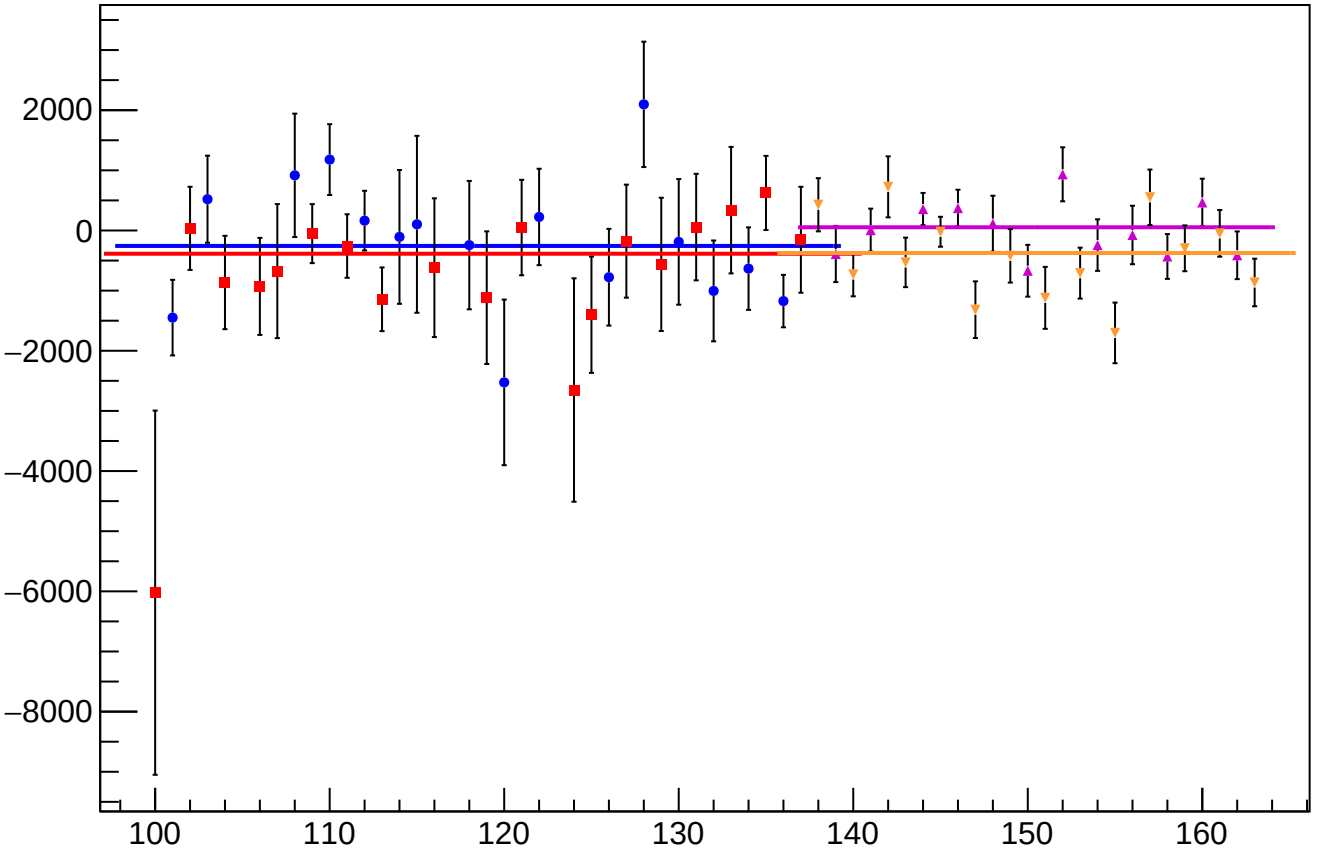
Left In: 342.965+/-0.077 χ^2/NDF:584921.9/11

+ sign 372.071+/-0.064 χ^2/NDF: 2683972.3/29

All: 373.472+/-0.046 χ^2/NDF: 4966380.3/60

- sign 374.932+/-0.065 χ^2/NDF: 2281424.2/30

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -374.552+/-107.746 χ^2/NDF:31.1/13

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

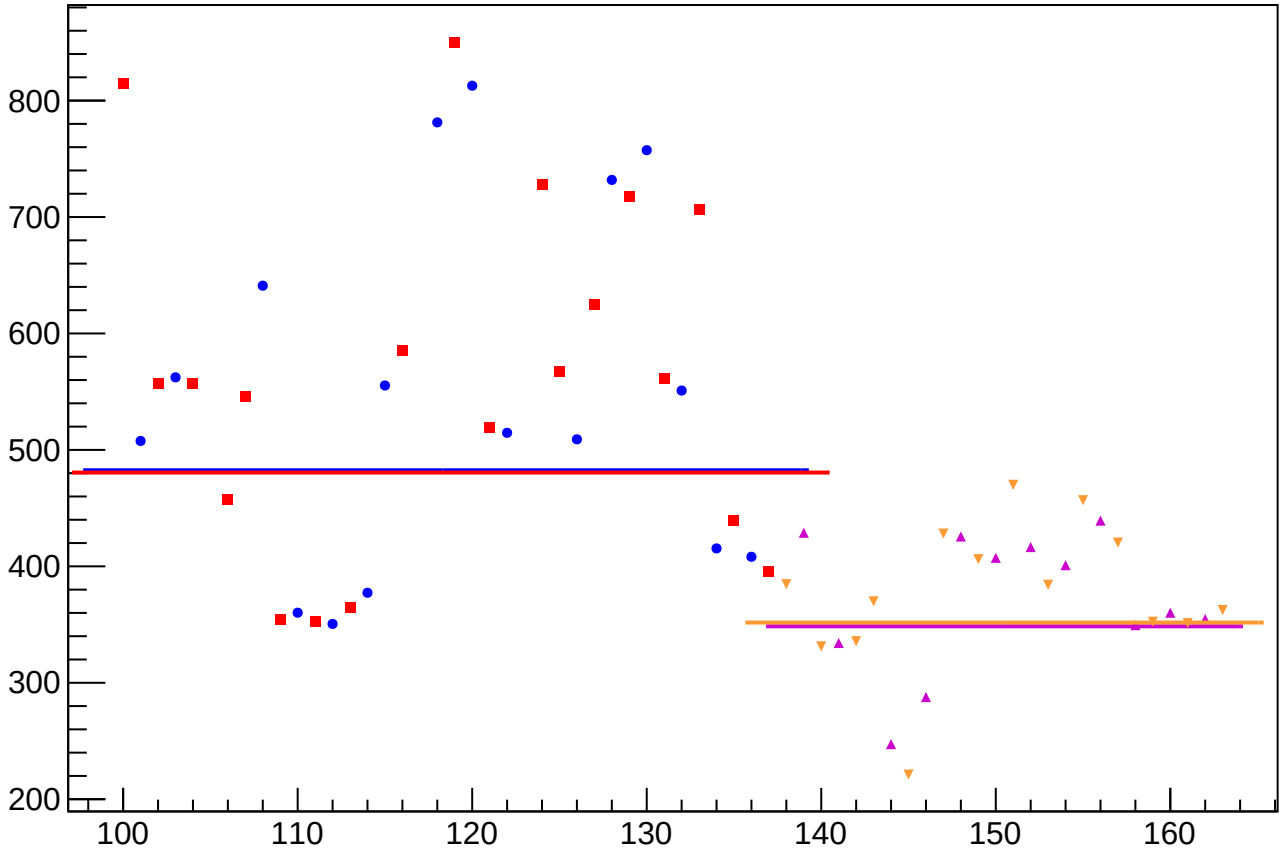
Left In: 53.455+/-110.618 χ^2/NDF:14.7/11

+ sign -345.063+/-93.291 χ^2/NDF: 58.3/29

All: -206.885+/-66.417 χ^2/NDF: 96.0/60

- sign -64.868+/-94.578 χ^2/NDF: 33.2/30

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 351.751+/-0.076 χ^2/NDF:907144.2/13

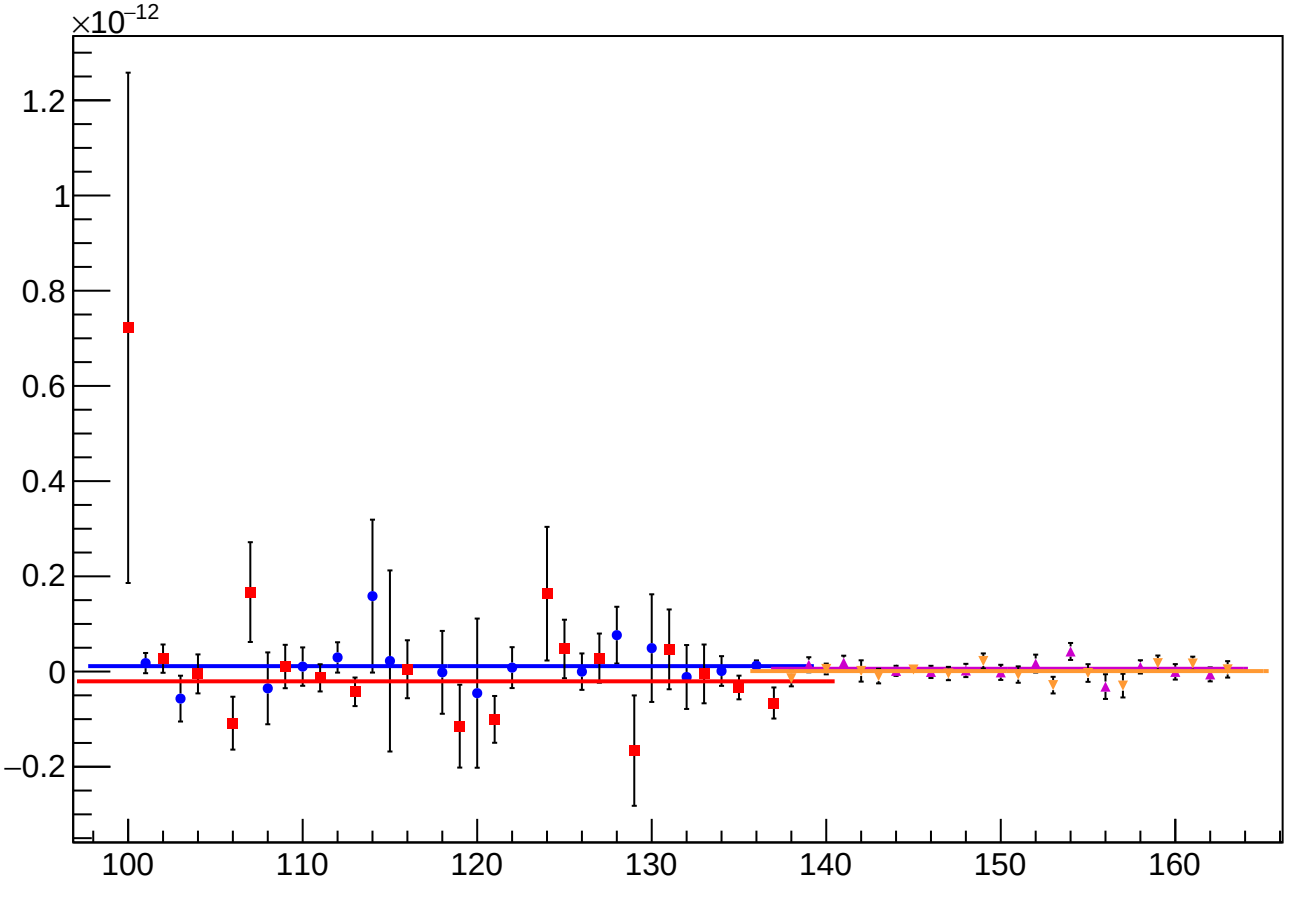
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 348.492+/-0.078 χ^2/NDF:667106.1/11

+ sign 384.483+/-0.066 χ^2/NDF: 2591040.7/29

All: 384.252+/-0.047 χ^2/NDF: 5018760.7/60

- sign 384.015+/-0.067 χ^2/NDF: 2427695.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

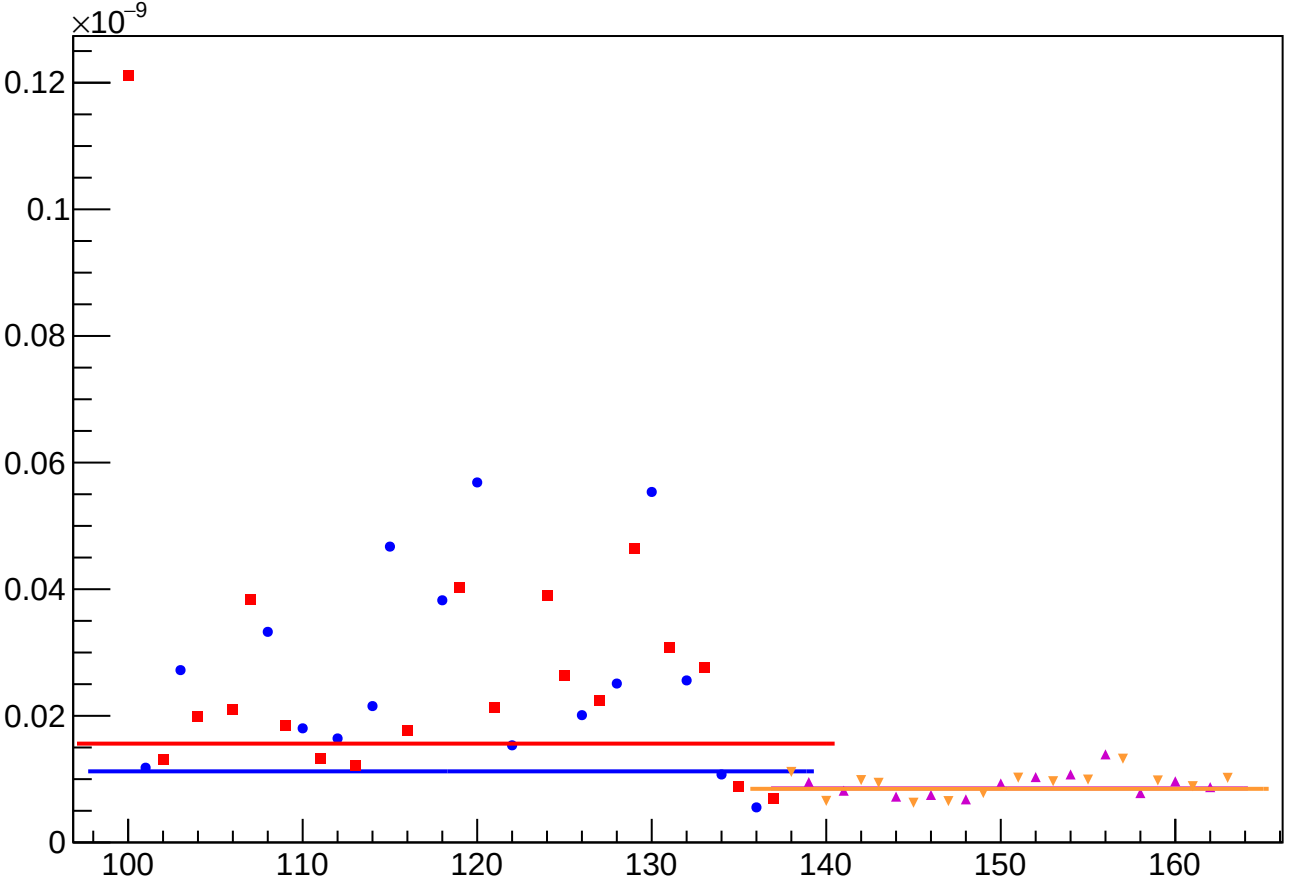
Left In: 0.000+/-0.000 χ^2/NDF:9.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 17.1/29

All: 0.000+/-0.000 χ^2/NDF: 55.7/60

- sign 0.000+/-0.000 χ^2/NDF: 38.6/30

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:417564.4/13

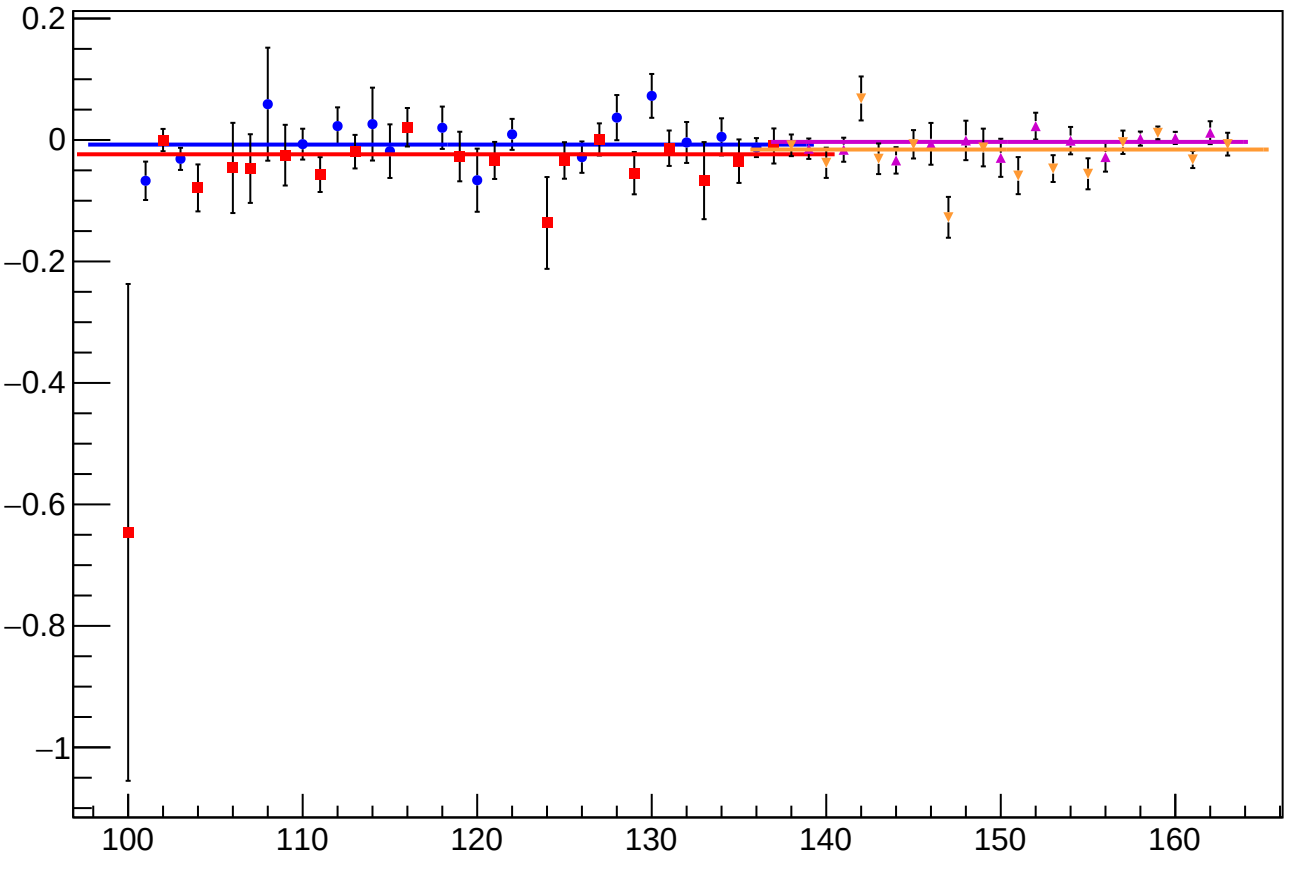
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:237664.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 2710092.0/29

All: 0.000+/-0.000 χ^2/NDF: 4961640.6/60

- sign 0.000+/-0.000 χ^2/NDF: 2229746.2/30



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

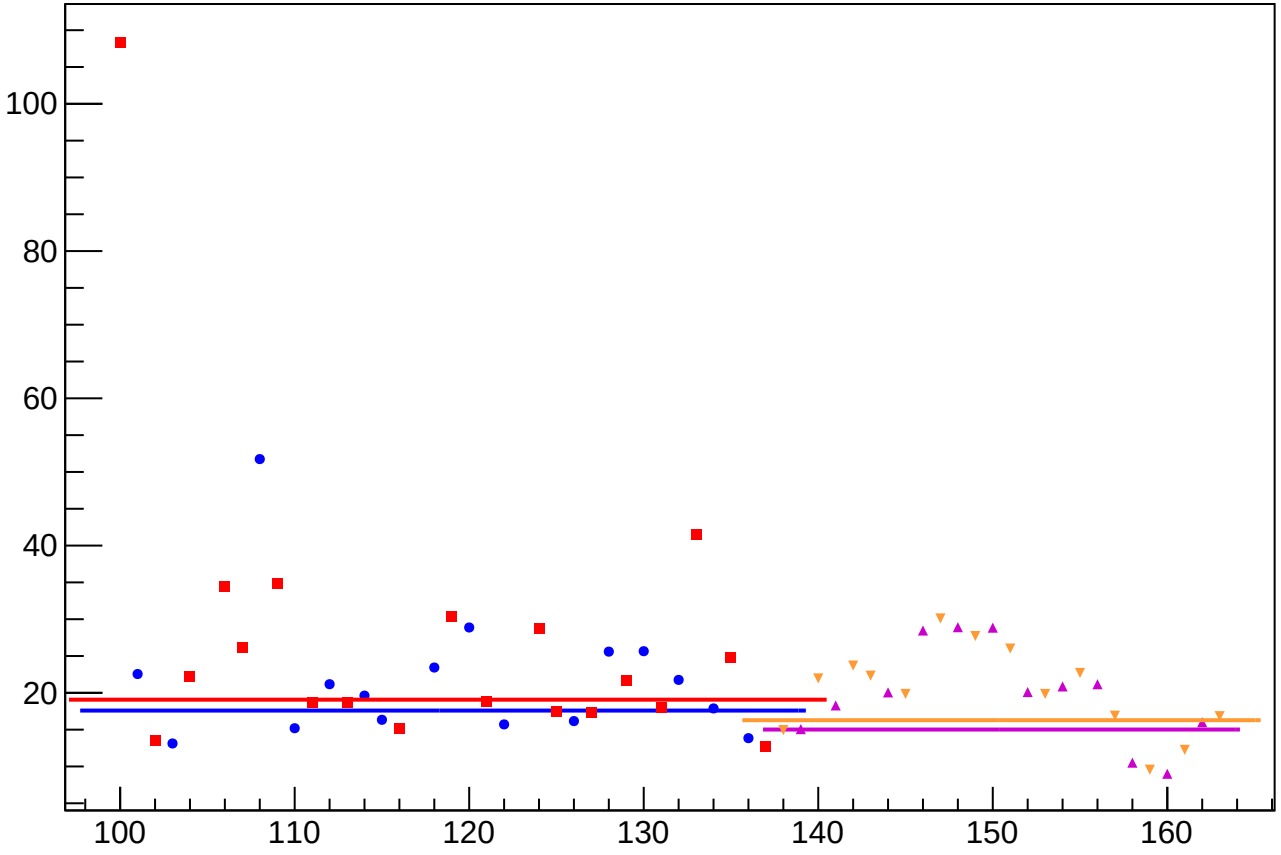
Left In: -0.003+/-0.005 χ^2/NDF:7.3/11

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/60

- sign -0.010+/-0.004 χ^2/NDF: 26.7/30

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: 16.283+/-0.004 χ^2/NDF:2341706.8/13

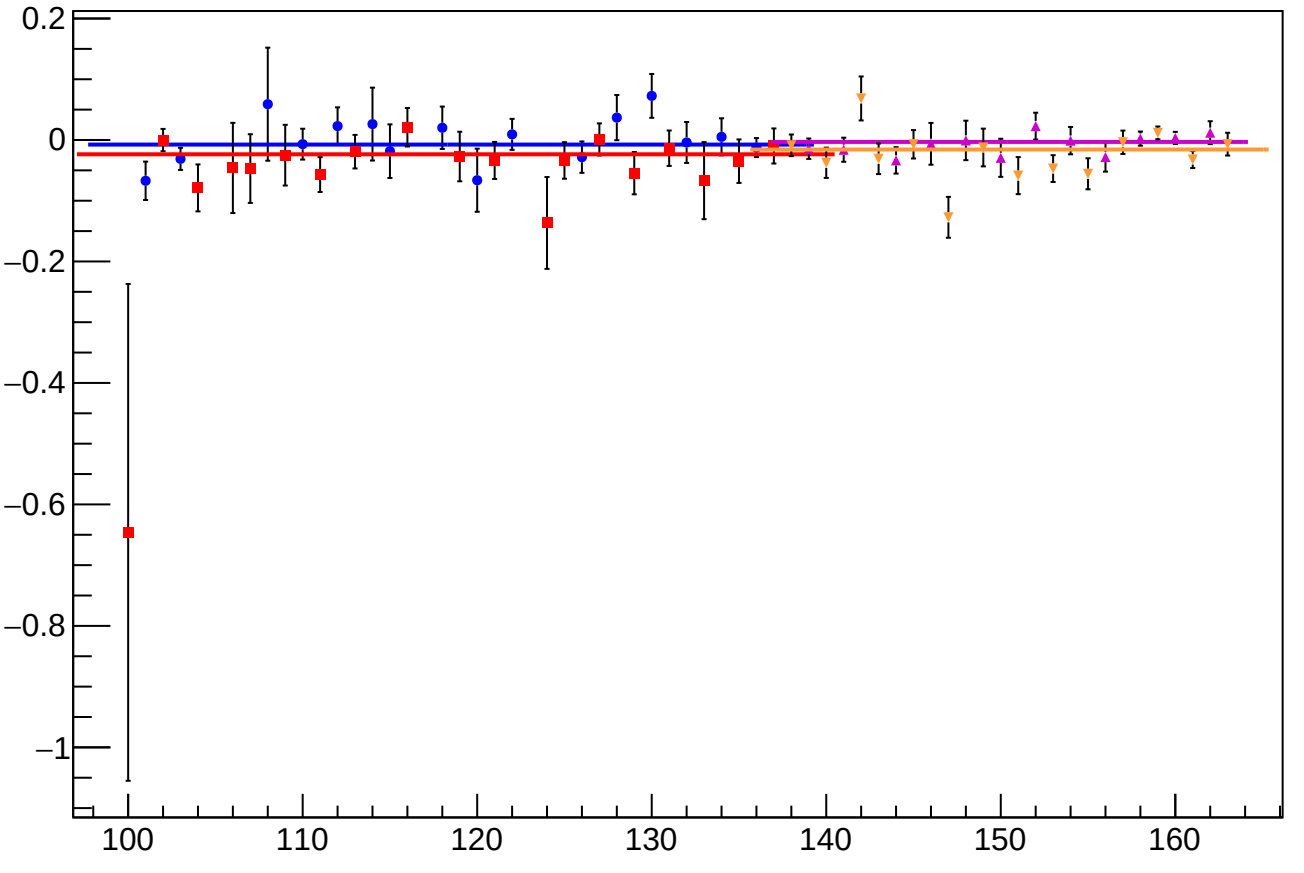
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.014+/-0.004 χ^2/NDF:2621761.7/11

+ sign 16.746+/-0.003 χ^2/NDF: 3377594.4/29

All: 16.513+/-0.002 χ^2/NDF: 7637824.3/60

- sign 16.276+/-0.003 χ^2/NDF: 4248246.1/30



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

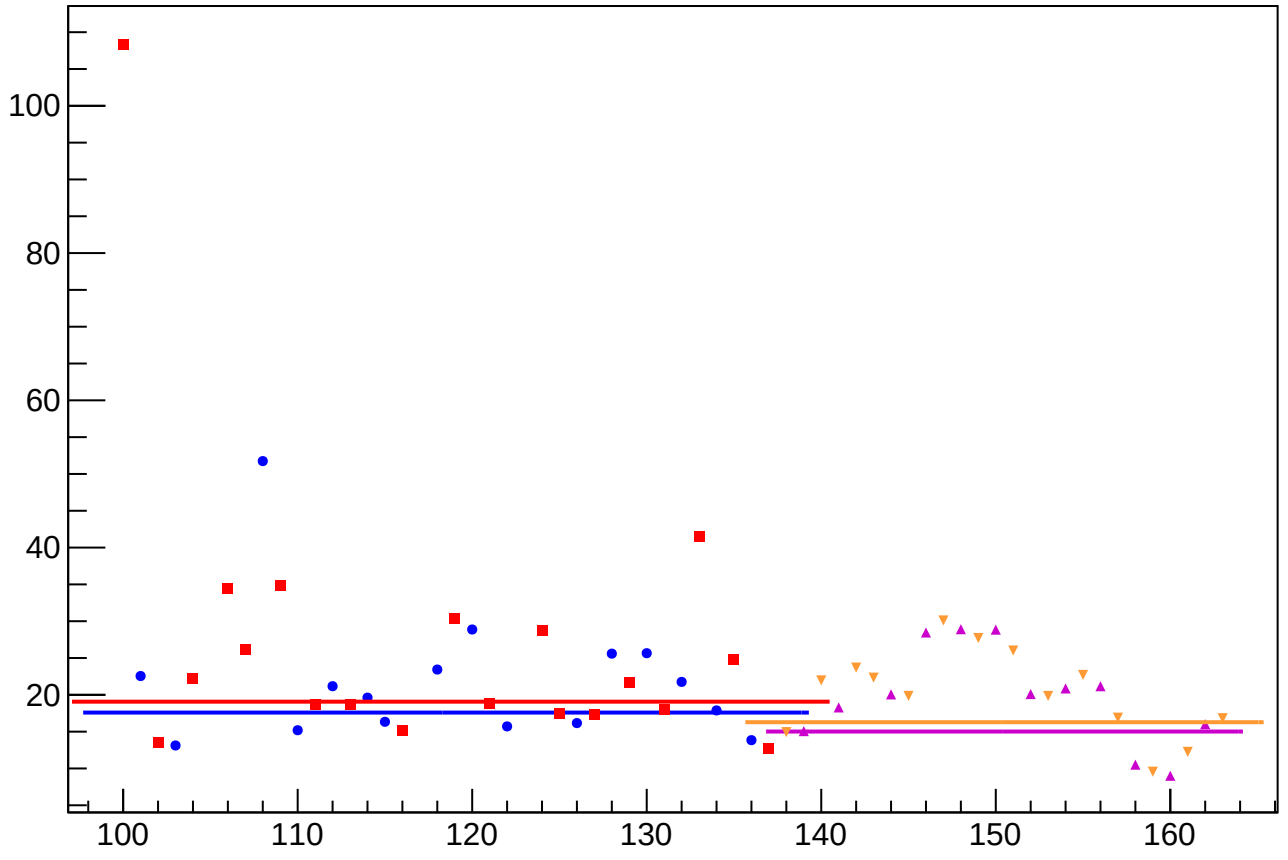
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.003+/-0.005 χ^2/NDF:7.3/11

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/60

- sign -0.010+/-0.004 χ^2/NDF: 26.7/30



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341706.8/13

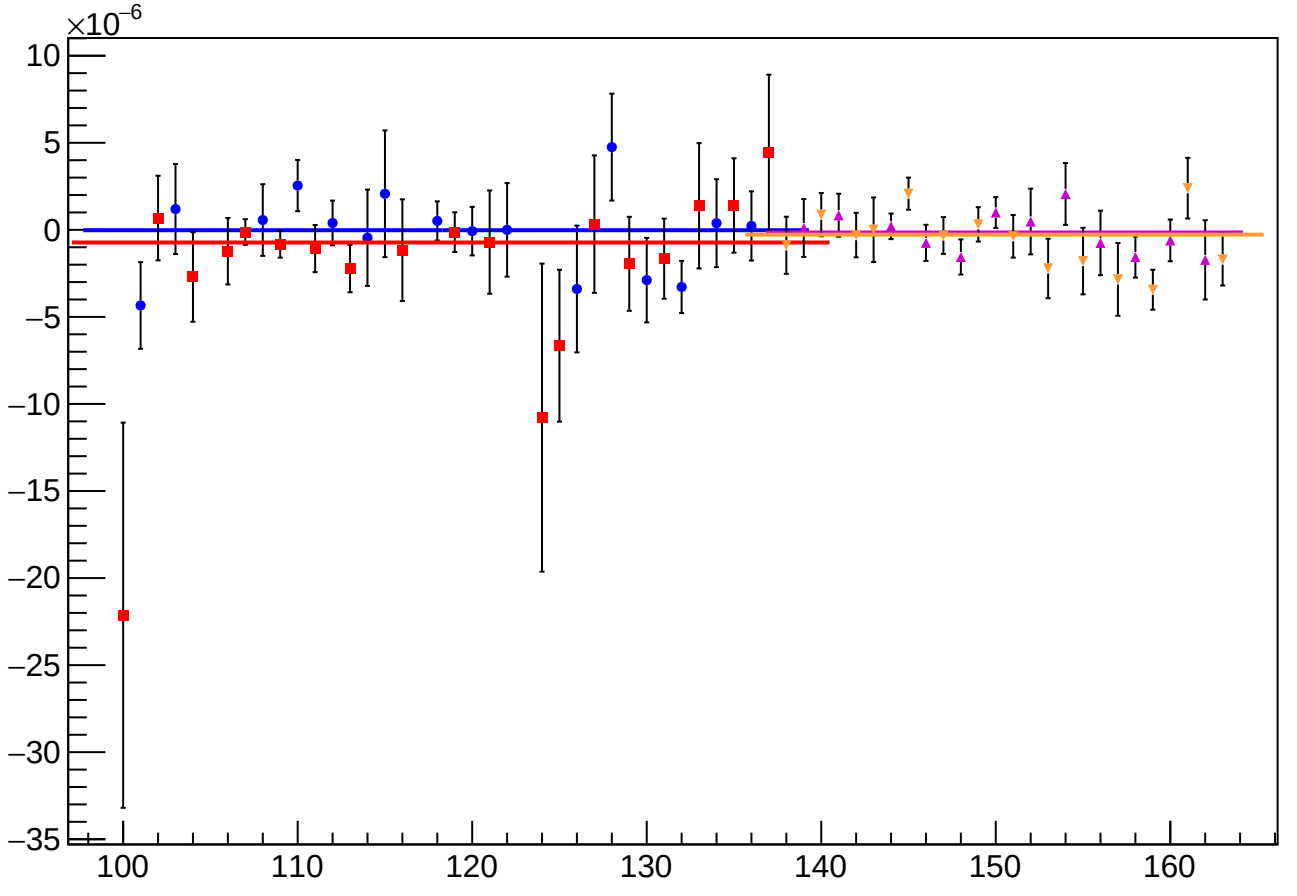
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.014+/-0.004 χ^2/NDF:2621761.7/11

+ sign 16.746+/-0.003 χ^2/NDF: 3377594.4/29

All: 16.513+/-0.002 χ^2/NDF: 7637824.3/60

- sign 16.276+/-0.003 χ^2/NDF: 4248246.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/13

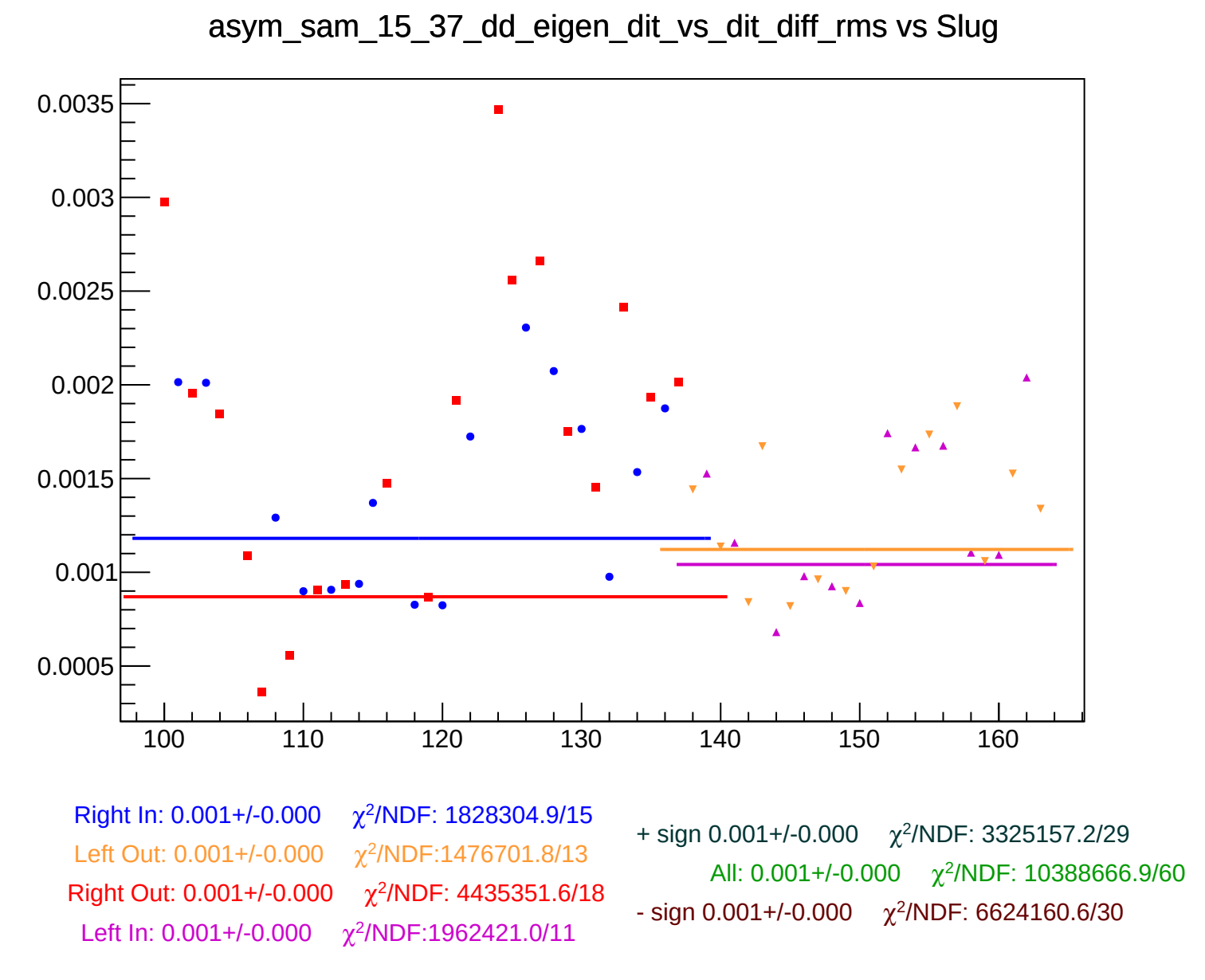
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

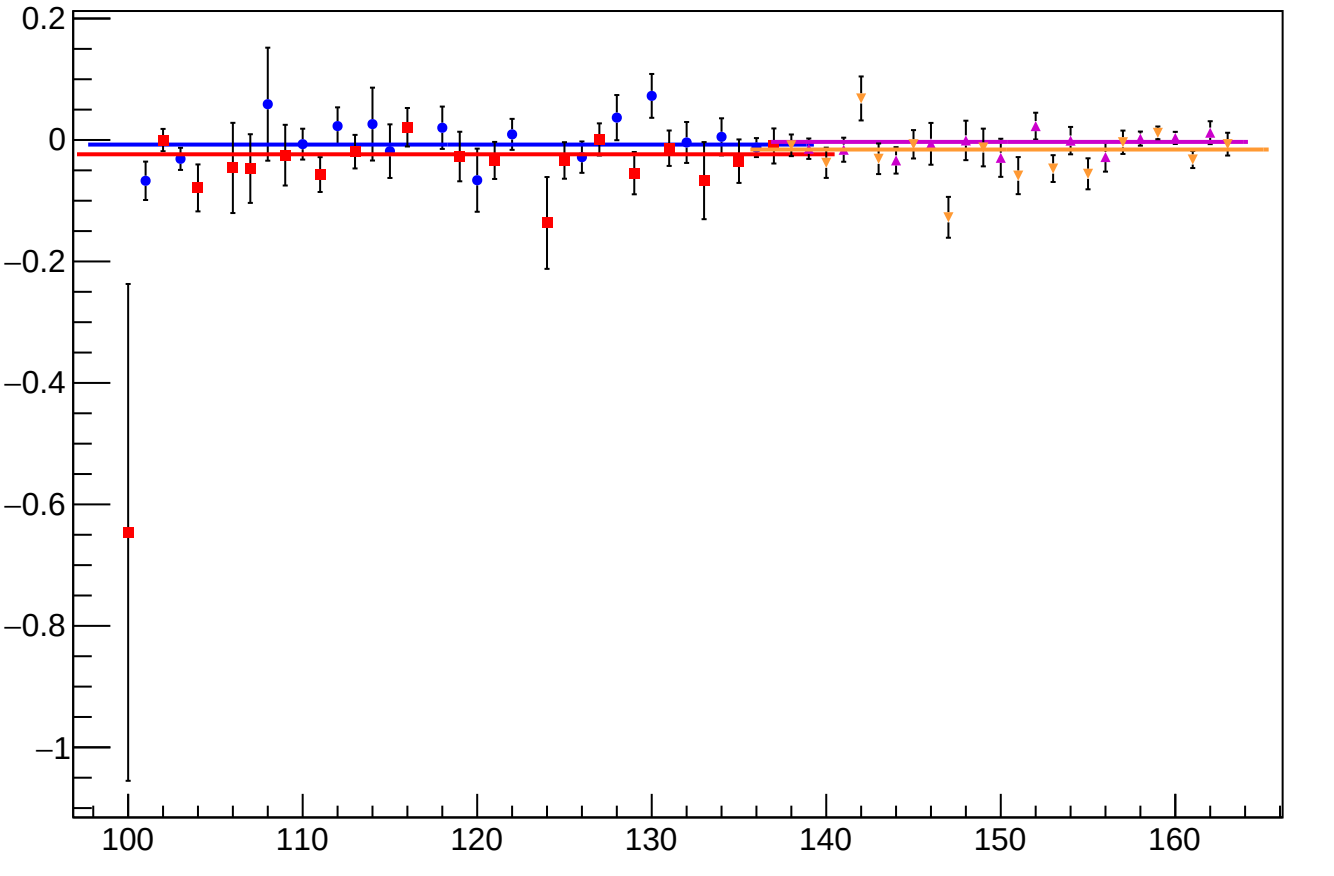
Left In: -0.000+/-0.000 χ^2/NDF:8.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/29

All: -0.000+/-0.000 χ^2/NDF: 62.1/60

- sign -0.000+/-0.000 χ^2/NDF: 22.8/30


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
160
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1476701.8/13
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:1962421.0/11
+ sign 0.001+/-0.000 χ²/NDF: 3325157.2/29
All: 0.001+/-0.000 χ²/NDF: 10388666.9/60
- sign 0.001+/-0.000 χ²/NDF: 6624160.6/30



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

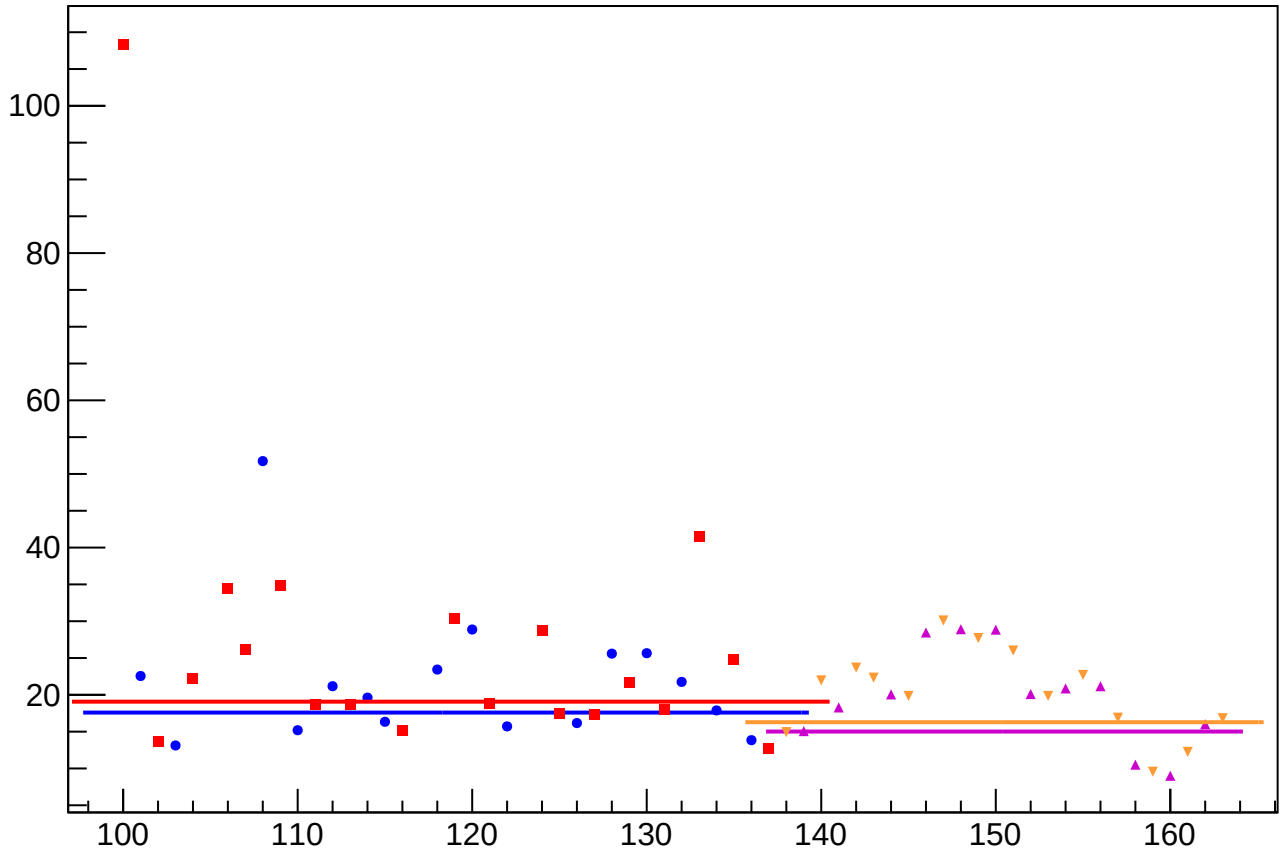
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.003+/-0.005 χ^2/NDF:7.3/11

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/60

- sign -0.010+/-0.004 χ^2/NDF: 26.7/30



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341998.5/13

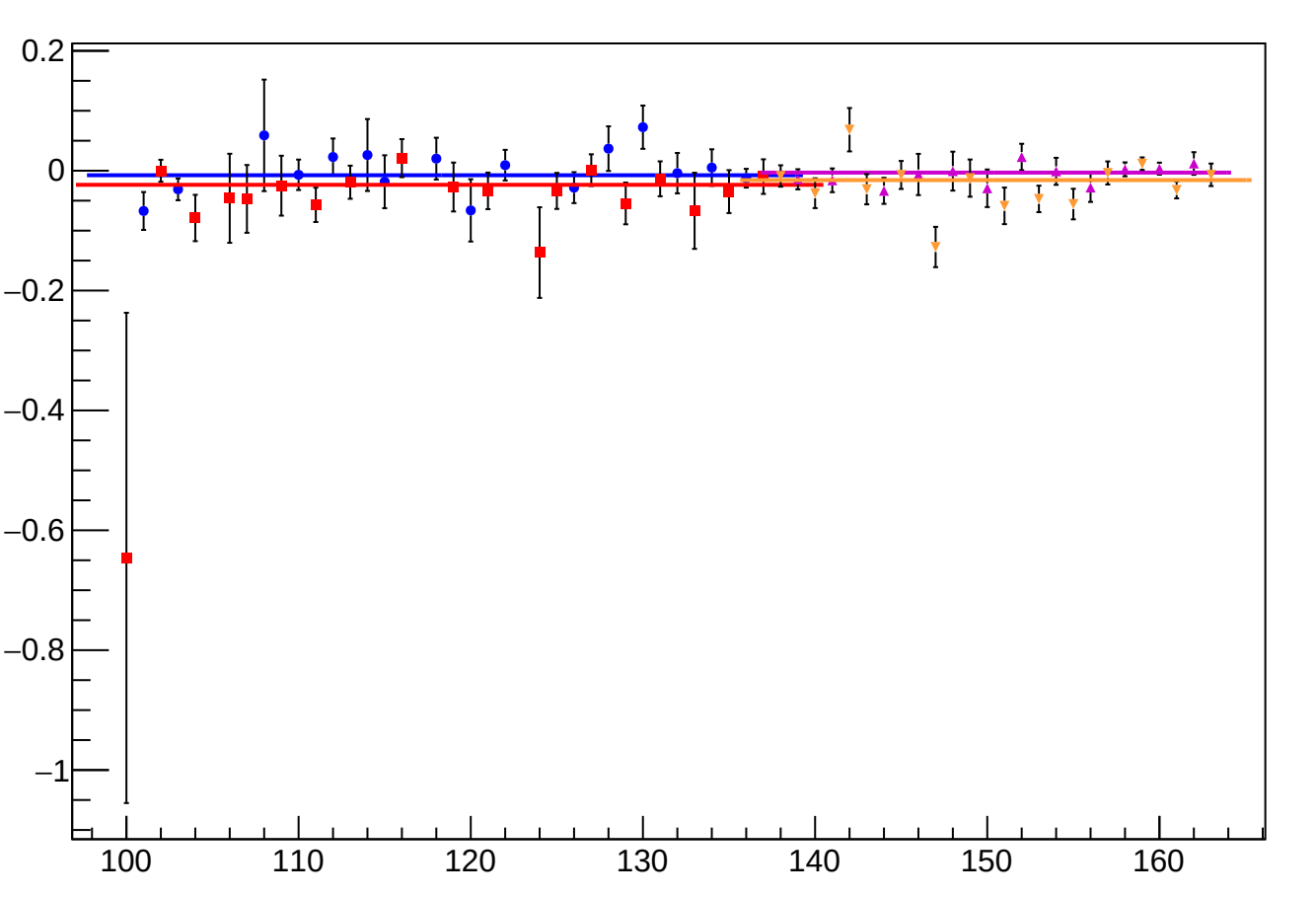
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.014+/-0.004 χ^2/NDF:2622086.1/11

+ sign 16.746+/-0.003 χ^2/NDF: 3377950.6/29

All: 16.512+/-0.002 χ^2/NDF: 7638581.3/60

- sign 16.275+/-0.003 χ^2/NDF: 4248642.9/30



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

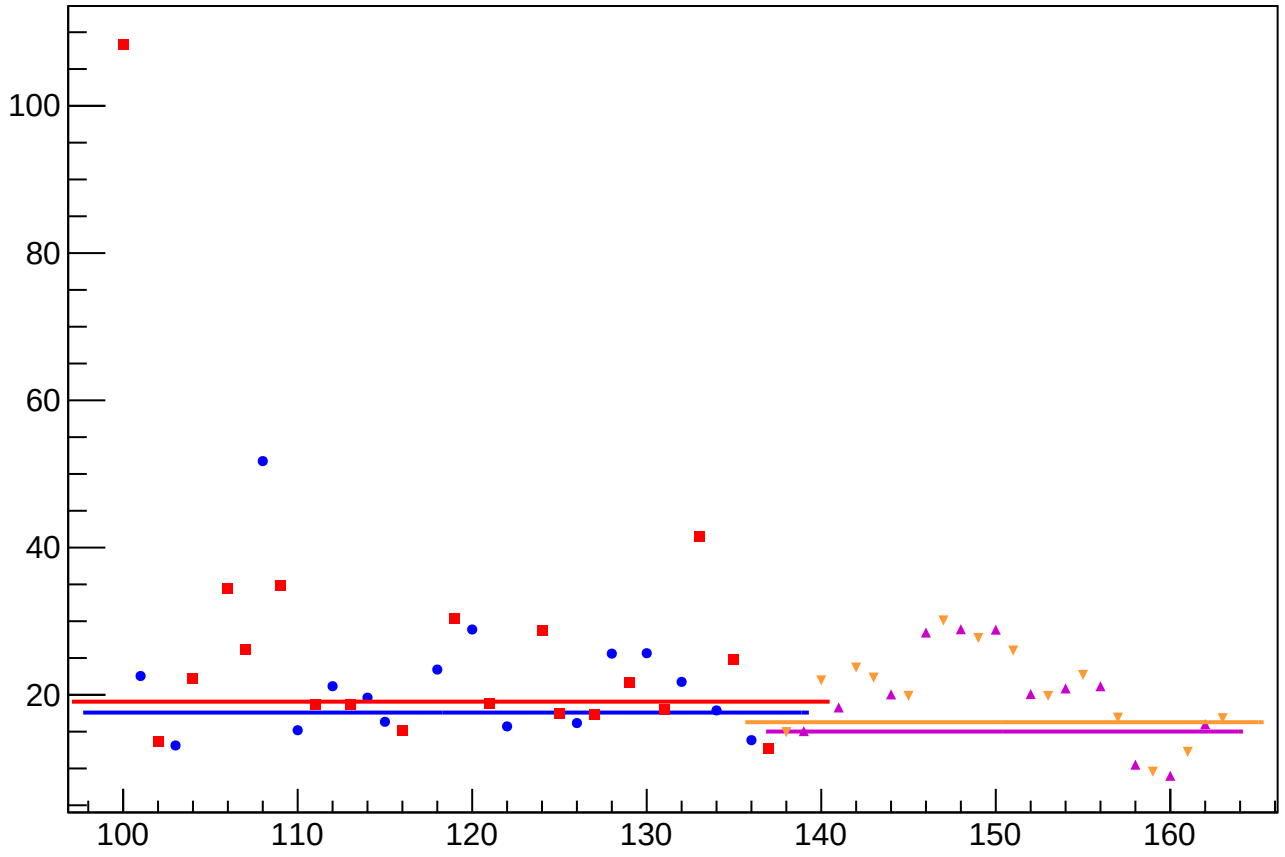
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.003+/-0.005 χ^2/NDF:7.3/11

+ sign -0.013+/-0.004 χ^2/NDF: 50.6/29

All: -0.011+/-0.003 χ^2/NDF: 77.7/60

- sign -0.010+/-0.004 χ^2/NDF: 26.7/30



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341998.5/13

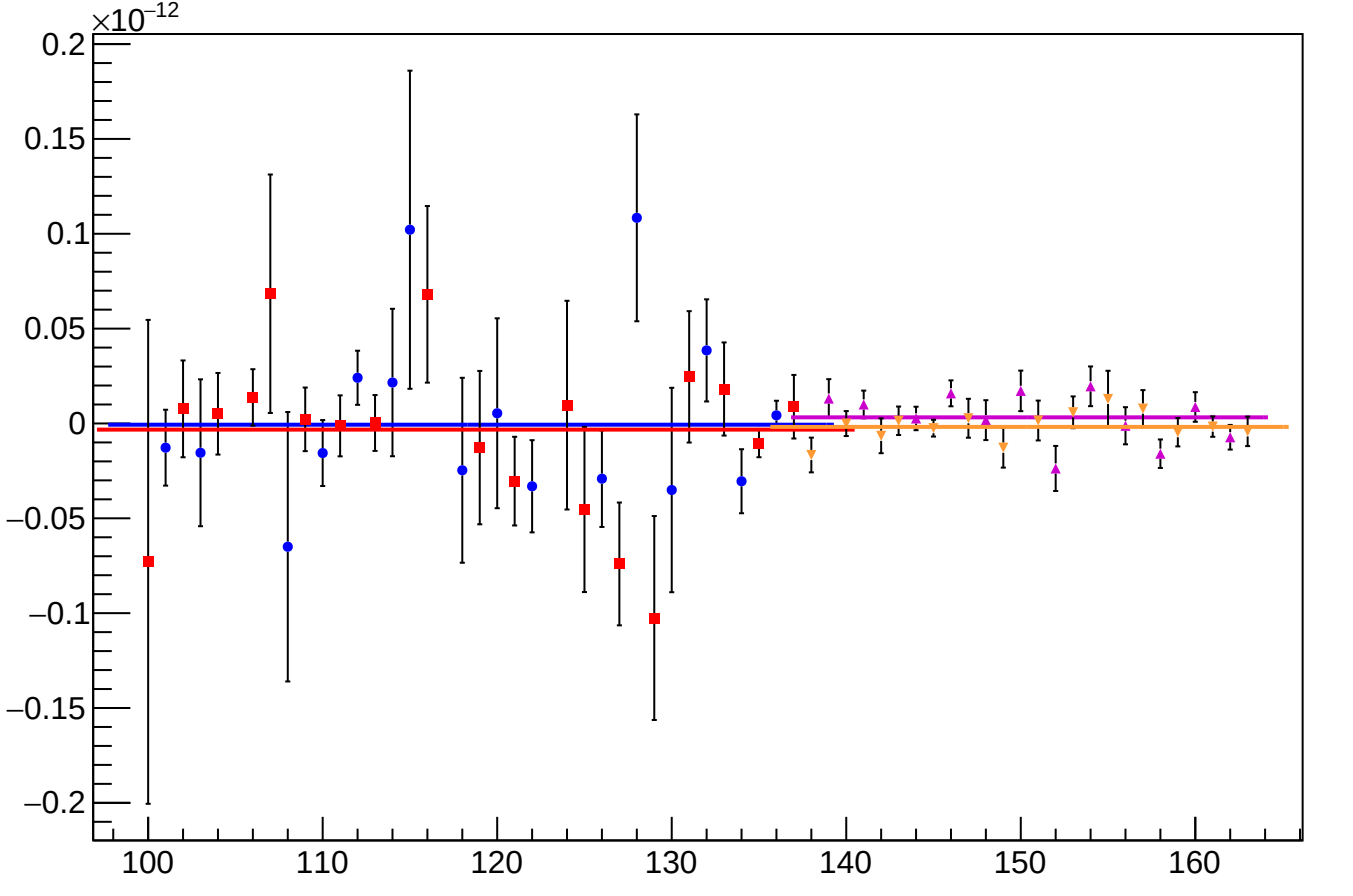
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.014+/-0.004 χ^2/NDF:2622086.1/11

+ sign 16.746+/-0.003 χ^2/NDF: 3377950.6/29

All: 16.512+/-0.002 χ^2/NDF: 7638581.3/60

- sign 16.275+/-0.003 χ^2/NDF: 4248642.9/30



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/13

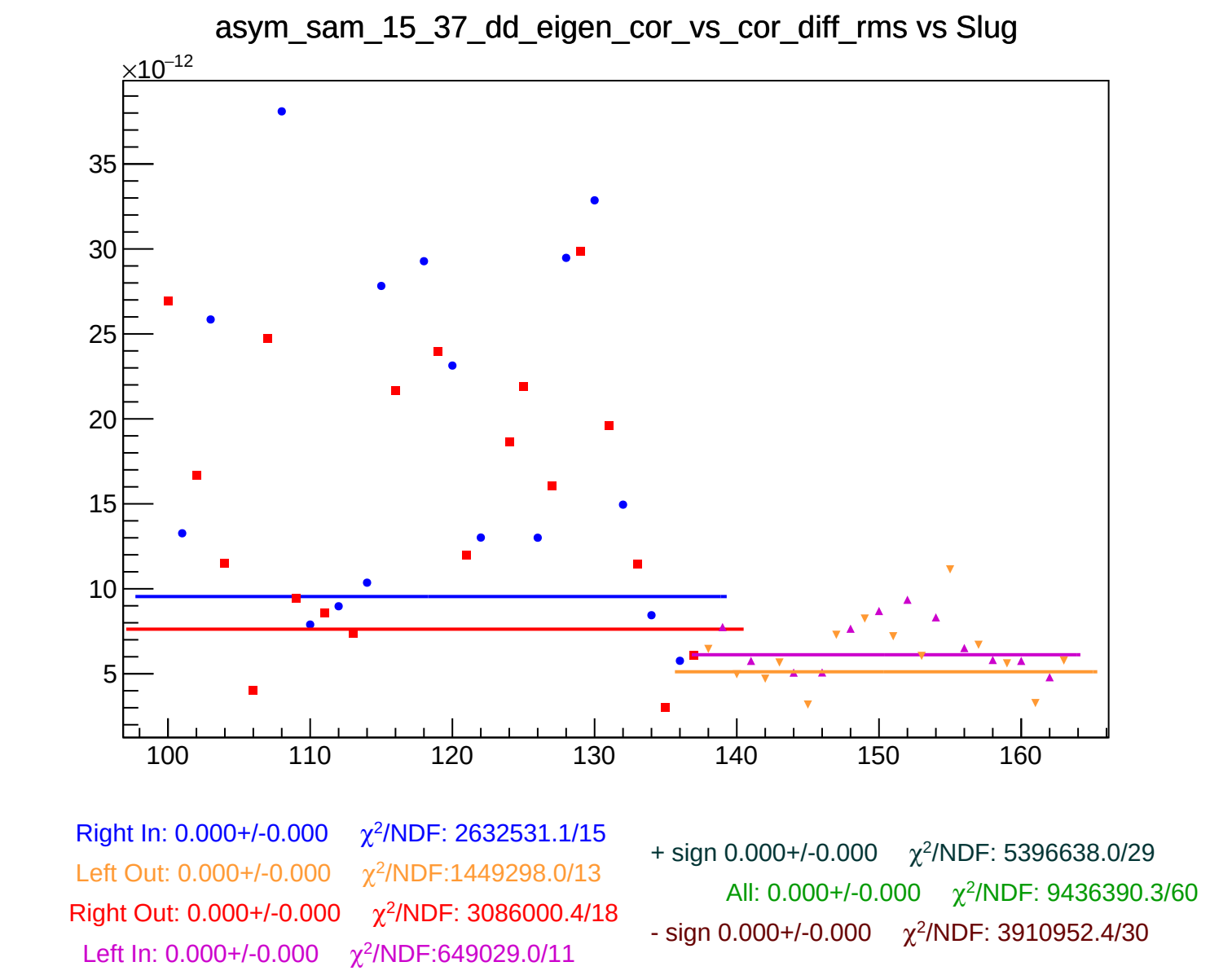
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/11

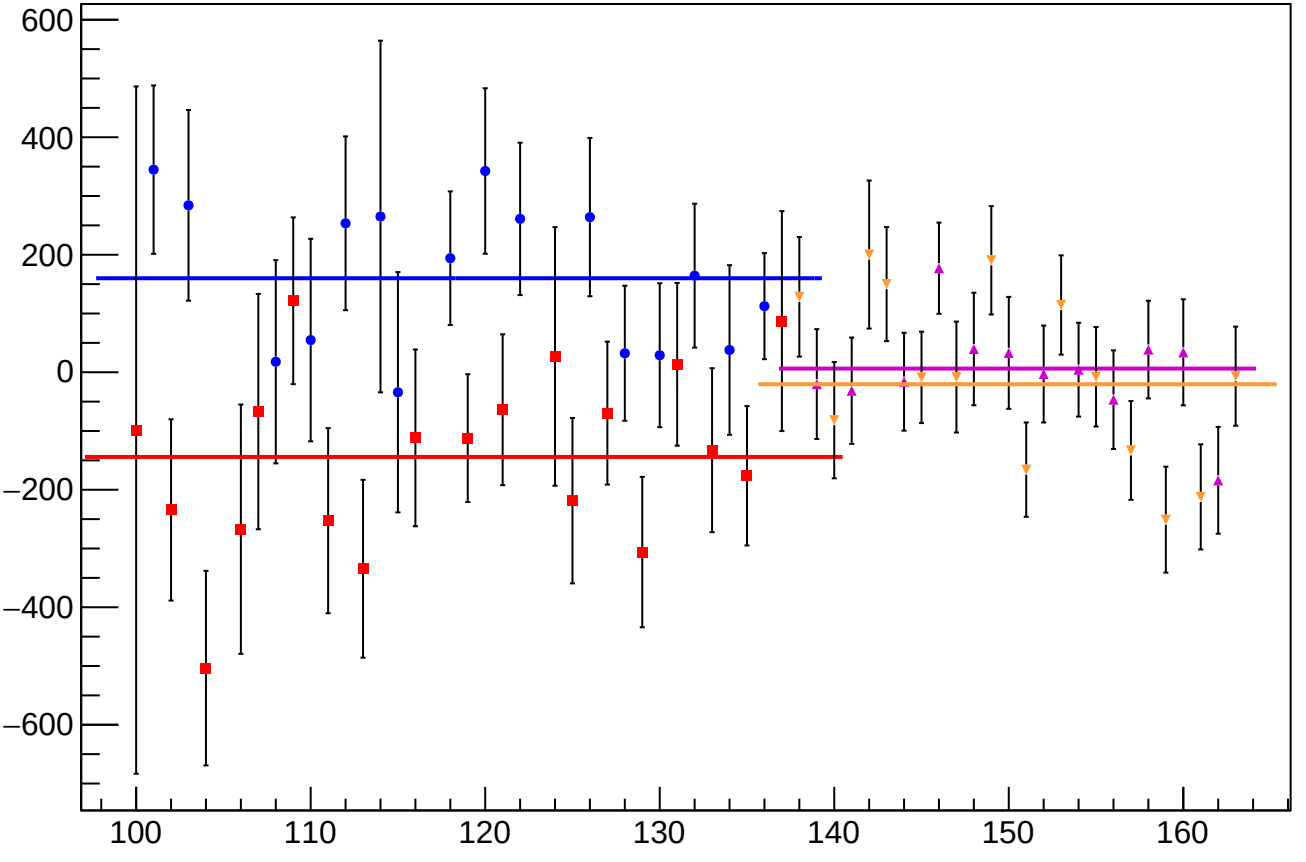
+ sign -0.000+/-0.000 χ^2/NDF: 27.9/29

All: -0.000+/-0.000 χ^2/NDF: 74.6/60

- sign 0.000+/-0.000 χ^2/NDF: 45.2/30


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1449298.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:649029.0/11
+ sign 0.000+/-0.000 χ²/NDF: 5396638.0/29
All: 0.000+/-0.000 χ²/NDF: 9436390.3/60
- sign 0.000+/-0.000 χ²/NDF: 3910952.4/30

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.361+/-24.060 χ^2/NDF:32.7/13

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

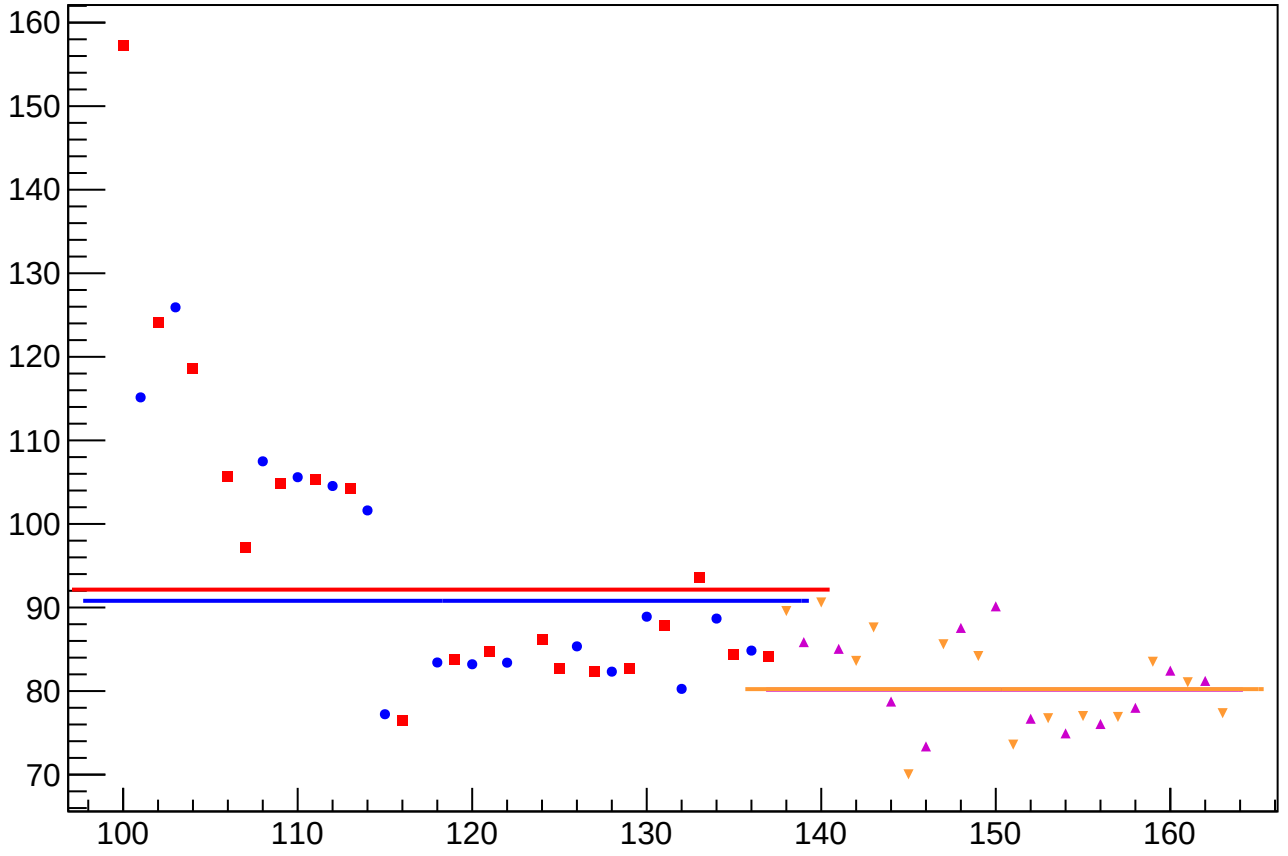
Left In: 6.240+/-24.997 χ^2/NDF:10.4/11

+ sign 39.428+/-19.672 χ^2/NDF: 62.4/29

All: -2.232+/-14.088 χ^2/NDF: 112.0/60

- sign -46.087+/-20.184 χ^2/NDF: 40.4/30

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

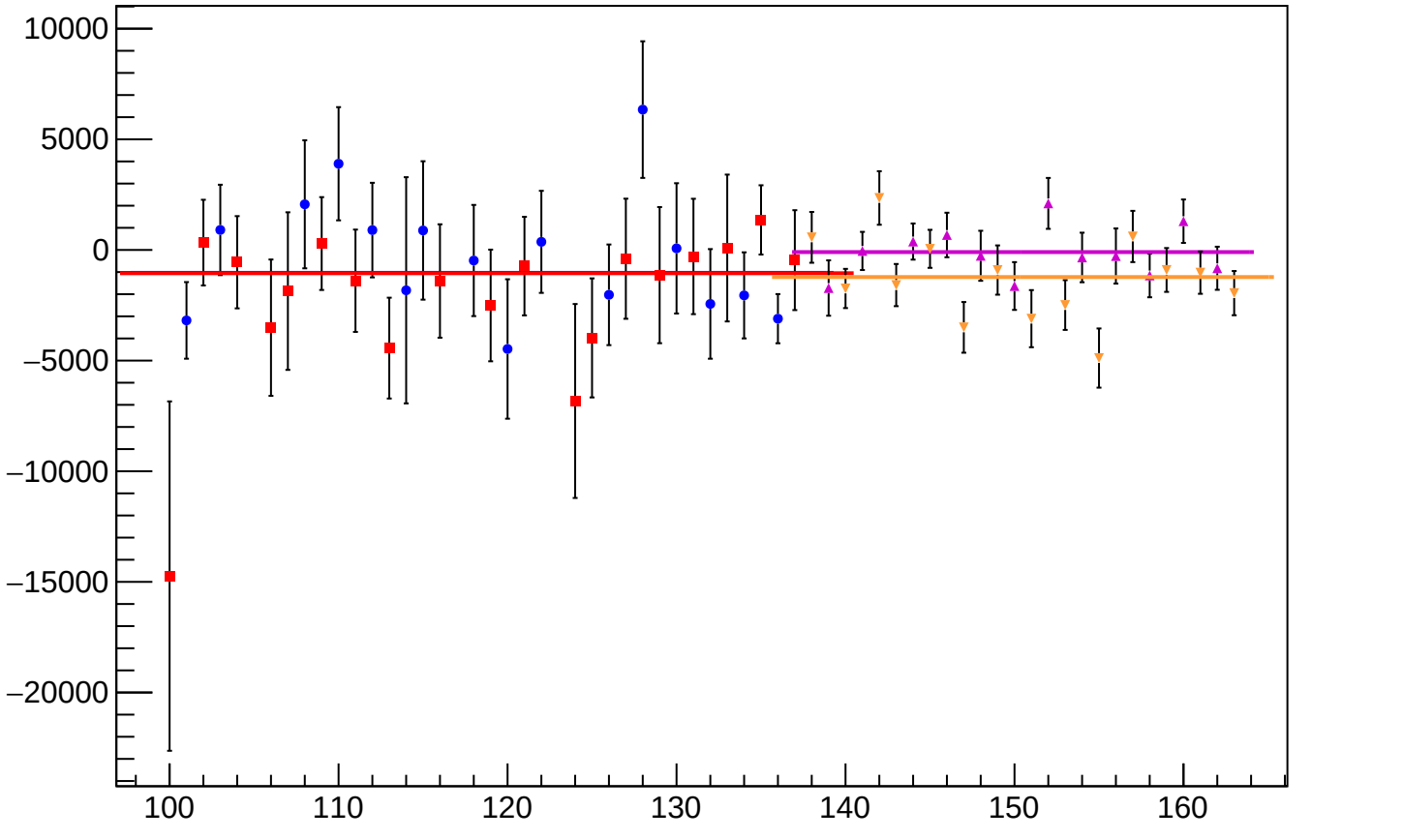
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

\+ sign 83.736+/-0.014 χ^2/NDF: 525304.6/29

All: 84.028+/-0.010 χ^2/NDF: 1070716.9/60

\- sign 84.335+/-0.014 χ^2/NDF: 544508.3/30



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1224.578+/-282.246 χ^2/NDF:31.9/13

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

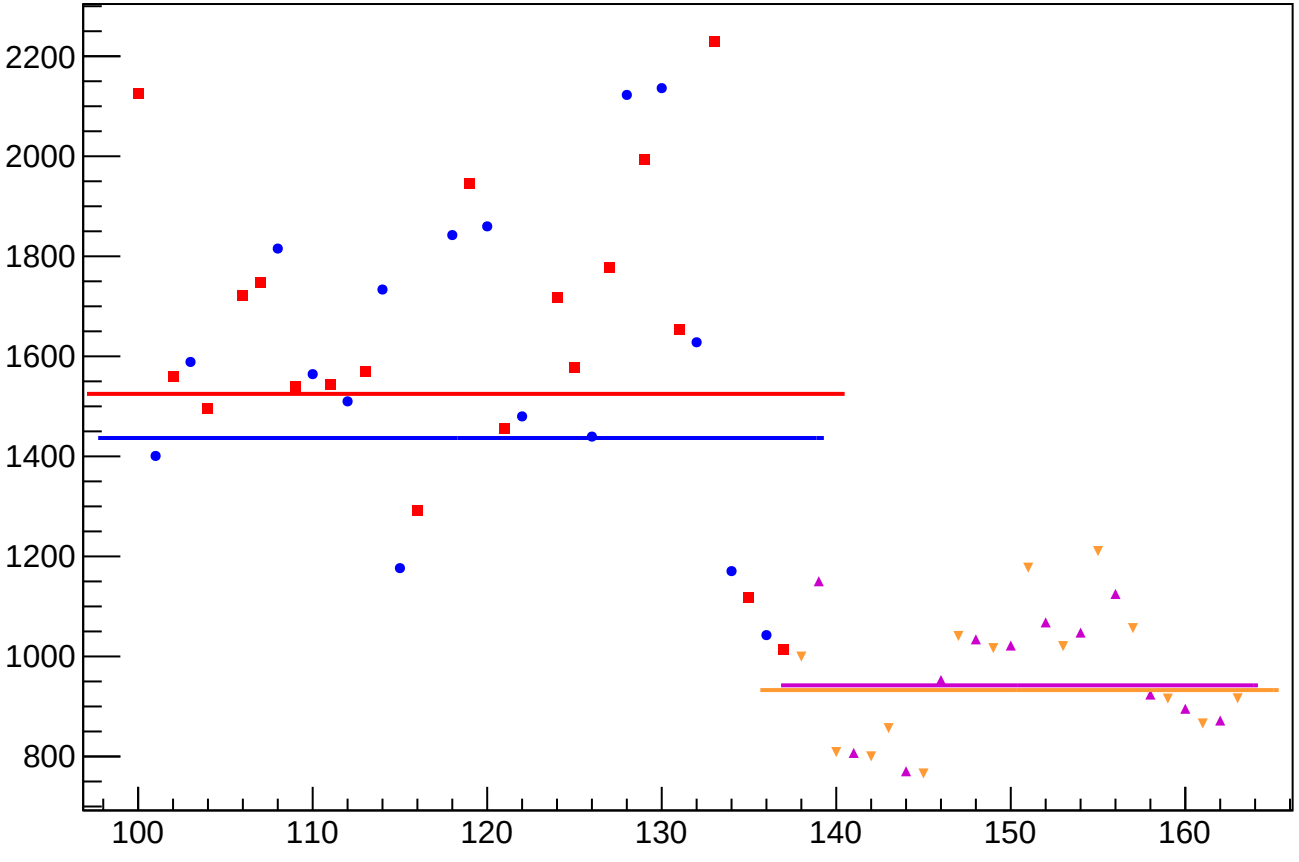
Left In: -96.156+/-295.733 χ^2/NDF:12.1/11

+ sign -1185.090+/-251.131 χ^2/NDF: 52.3/29

All: -761.663+/-181.430 χ^2/NDF: 85.5/60

- sign -299.379+/-262.401 χ^2/NDF: 27.2/30

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 932.759+/-0.200 χ^2/NDF:391470.7/13

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

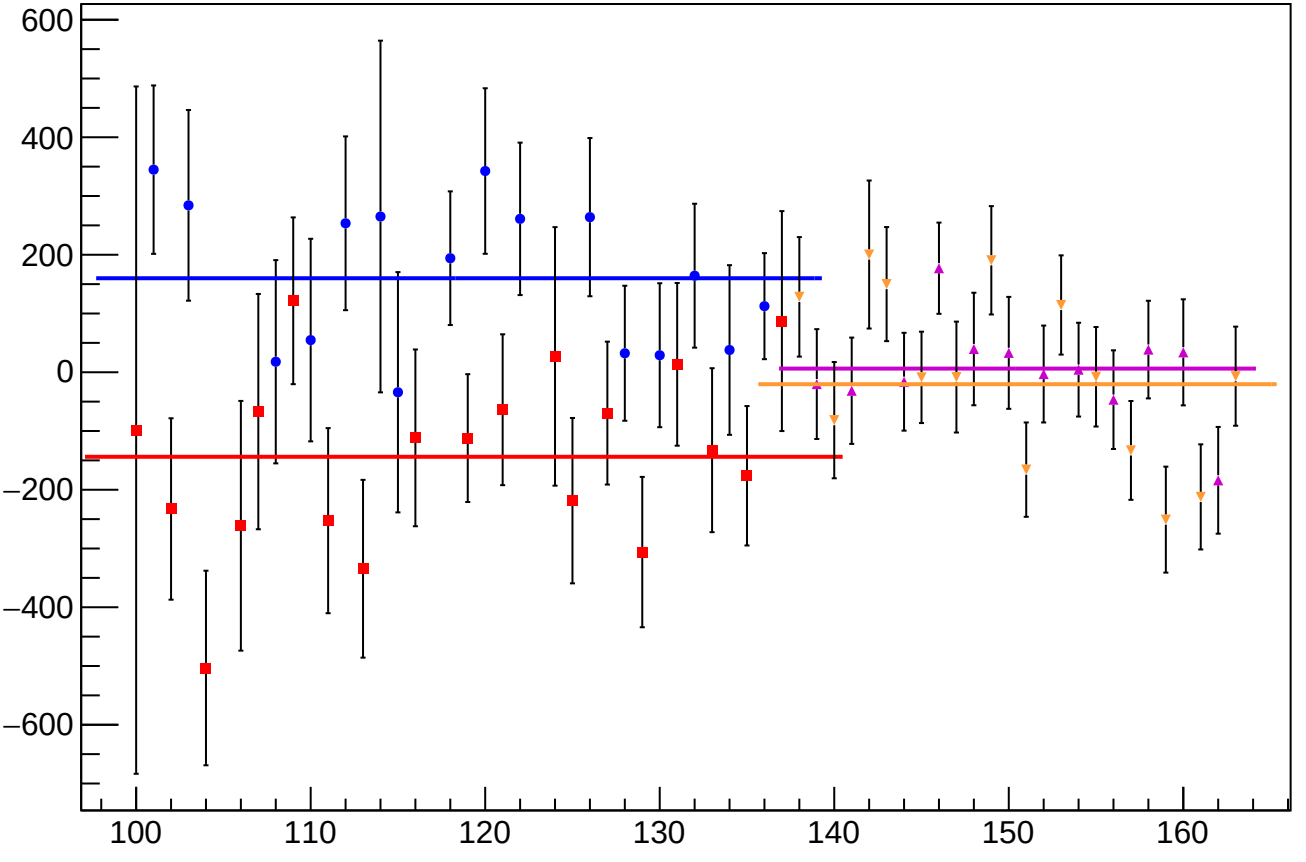
Left In: 942.233+/-0.209 χ^2/NDF:317667.7/11

+ sign 1037.751+/-0.178 χ^2/NDF: 2395582.9/29

All: 1051.346+/-0.128 χ^2/NDF: 4881880.6/60

- sign 1066.189+/-0.186 χ^2/NDF: 2474037.2/30

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

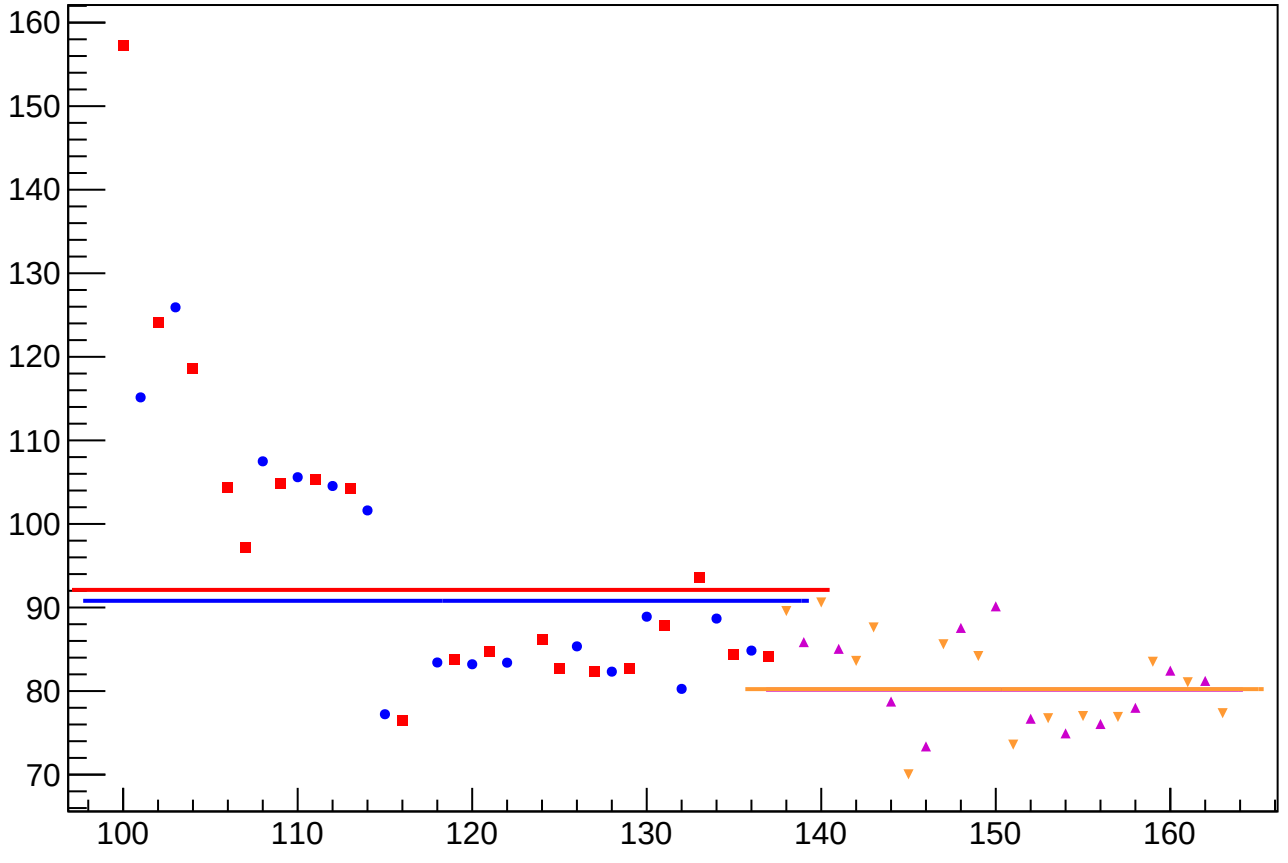
Left In: 6.243+/-24.997 χ^2/NDF:10.4/11

+ sign 39.430+/-19.672 χ^2/NDF: 62.4/29

All: -2.184+/-14.088 χ^2/NDF: 111.9/60

- sign -45.992+/-20.184 χ^2/NDF: 40.3/30

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

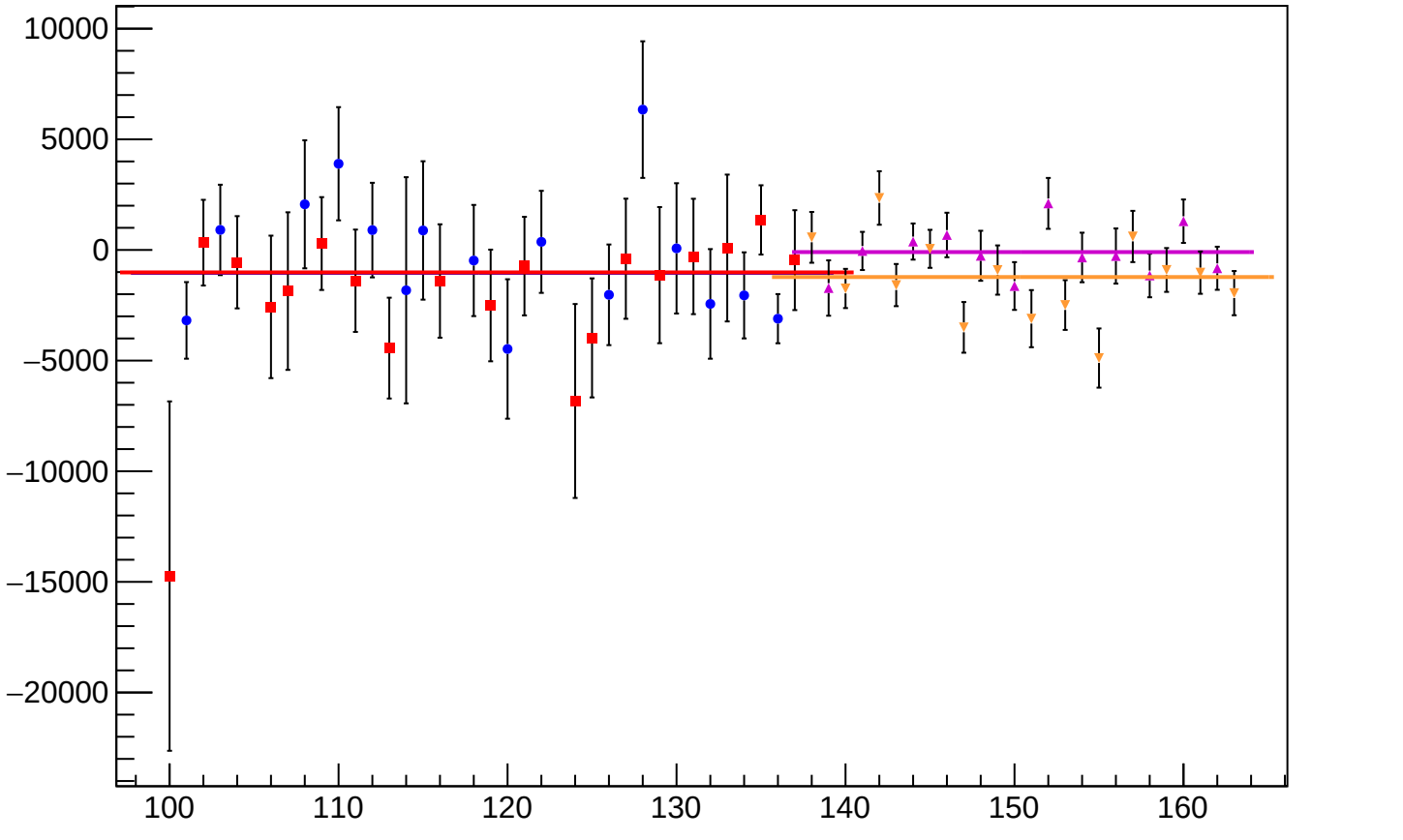
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

+ sign 83.736+/-0.014 χ^2/NDF: 525306.6/29

All: 84.022+/-0.010 χ^2/NDF: 1068524.9/60

- sign 84.323+/-0.014 χ^2/NDF: 542349.8/30



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

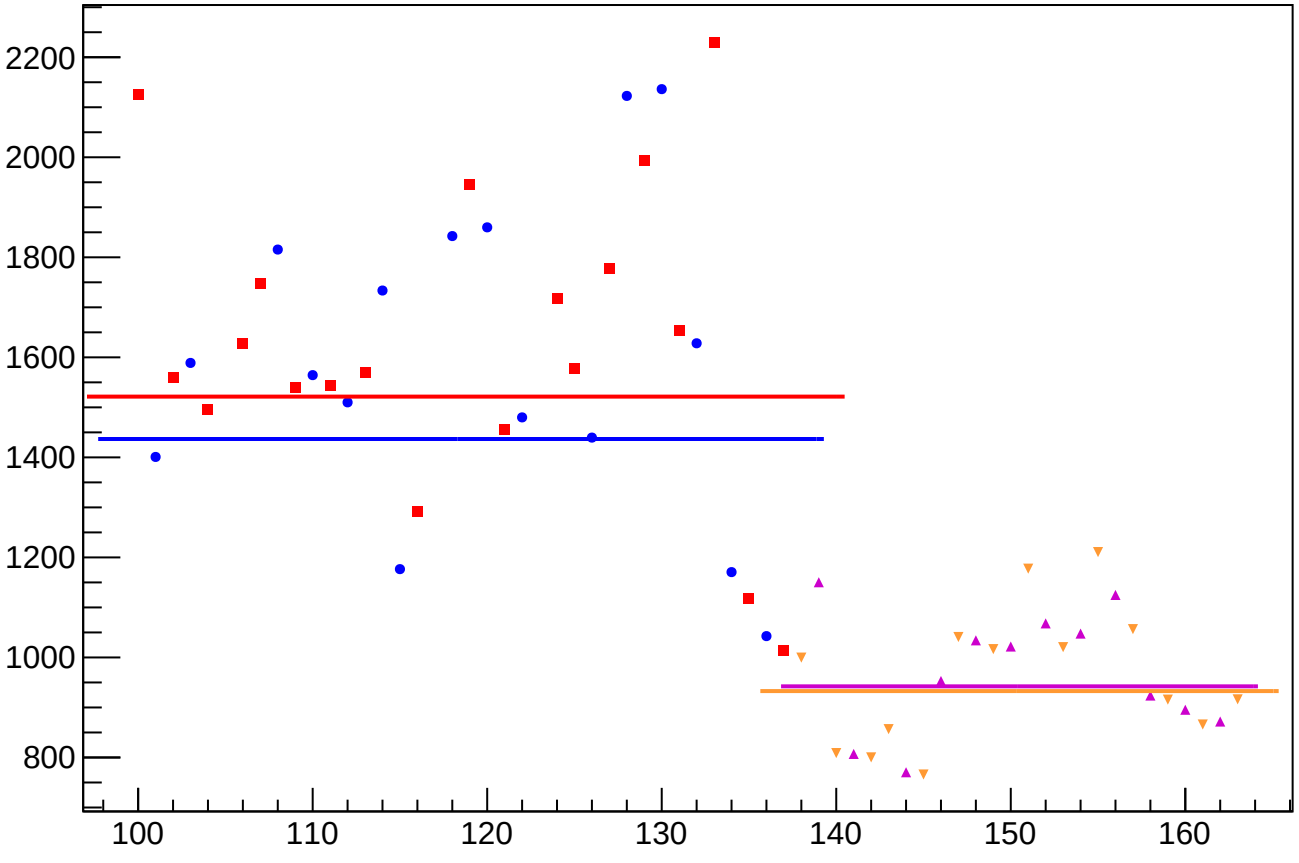
Left In: -96.157+/-295.733 χ^2/NDF:12.1/11

+ sign -1185.081+/-251.131 χ^2/NDF: 52.3/29

All: -757.907+/-181.457 χ^2/NDF: 85.0/60

- sign -291.242+/-262.483 χ^2/NDF: 26.6/30

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

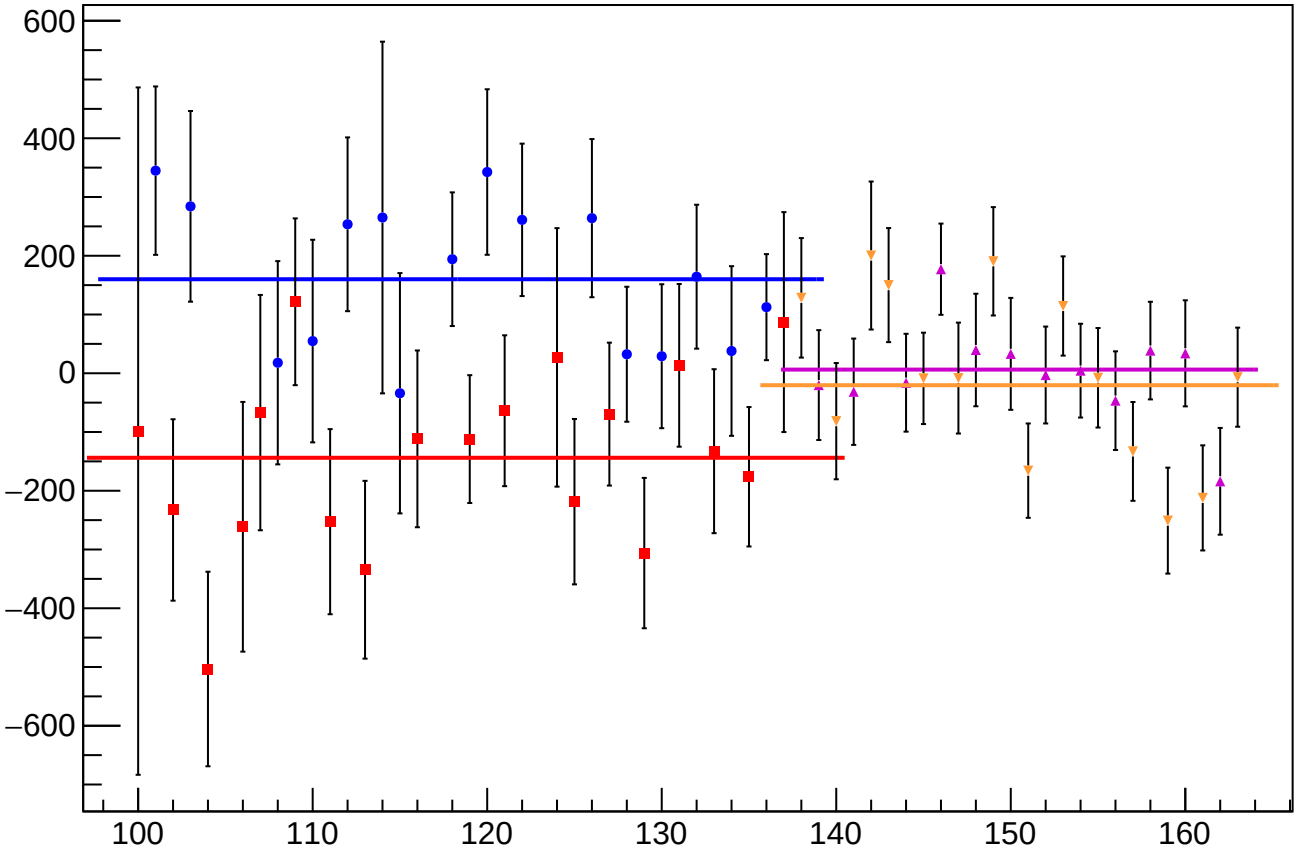
Left In: 942.233+/-0.209 χ^2/NDF:317667.9/11

+ sign 1037.751+/-0.178 χ^2/NDF: 2395606.2/29

All: 1050.854+/-0.128 χ^2/NDF: 4851502.2/60

- sign 1065.168+/-0.186 χ^2/NDF: 2444503.9/30

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

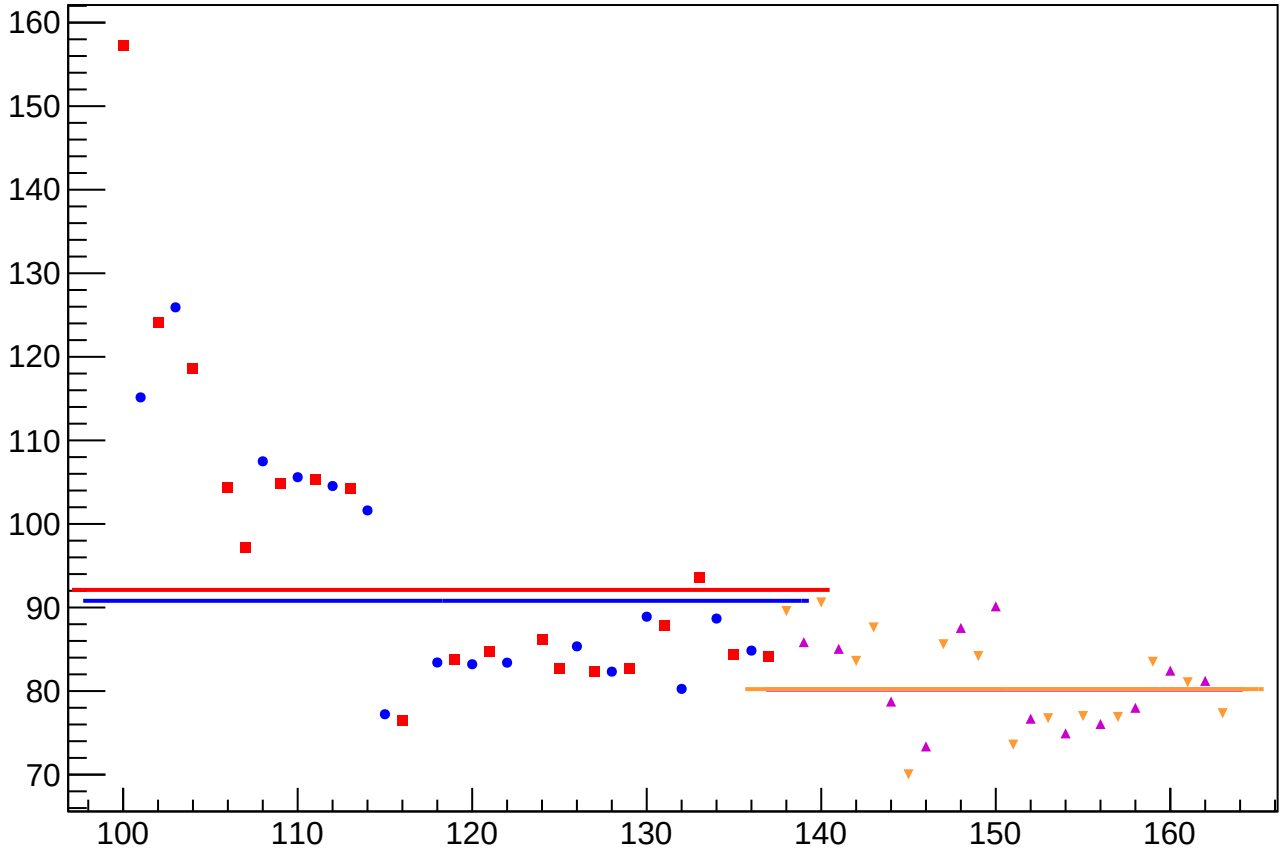
Left In: 6.243+/-24.997 χ^2/NDF:10.4/11

+ sign 39.430+/-19.672 χ^2/NDF: 62.4/29

All: -2.184+/-14.088 χ^2/NDF: 111.9/60

- sign -45.992+/-20.184 χ^2/NDF: 40.3/30

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

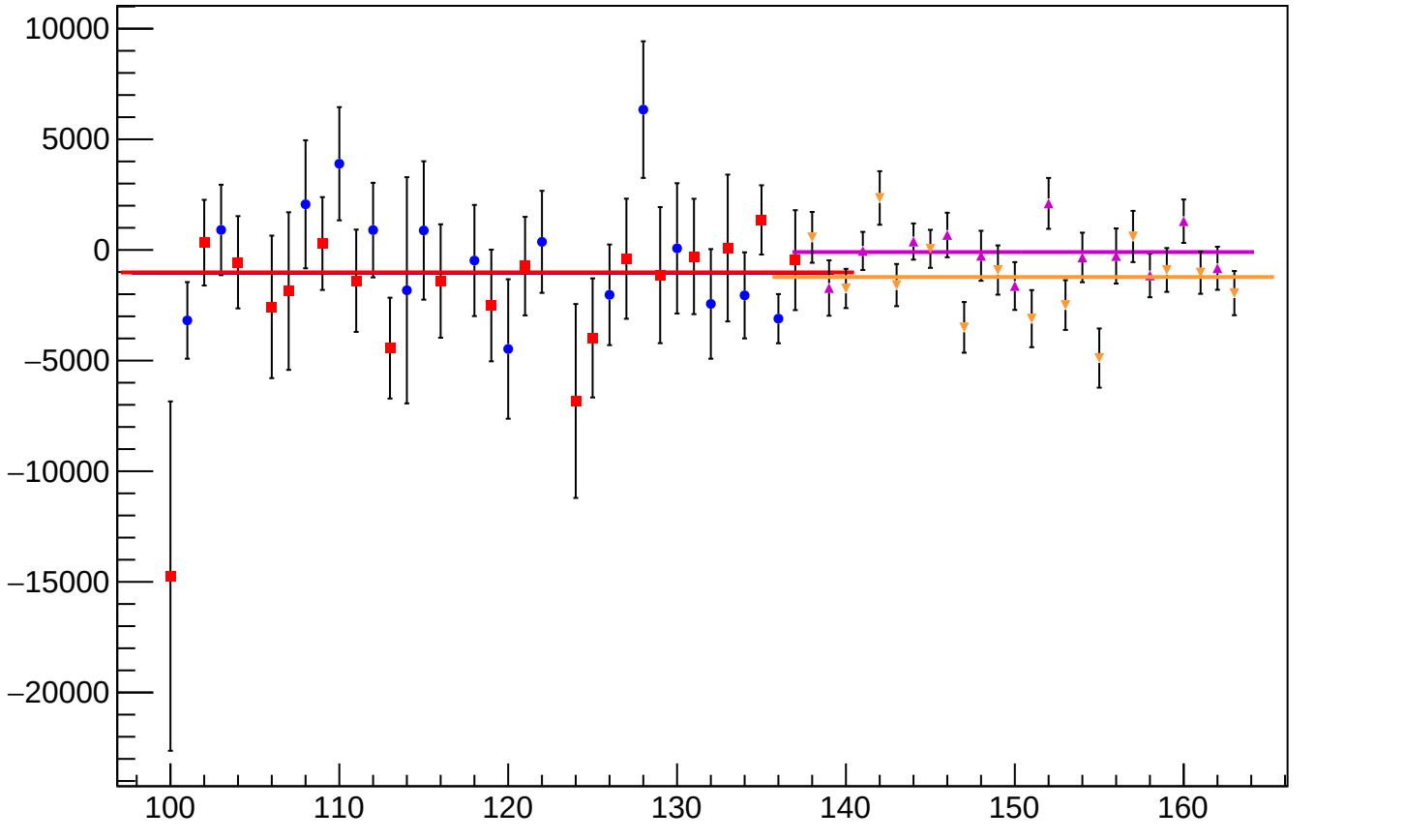
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

+ sign 83.736+/-0.014 χ^2/NDF: 525306.6/29

All: 84.022+/-0.010 χ^2/NDF: 1068524.9/60

- sign 84.323+/-0.014 χ^2/NDF: 542349.8/30



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

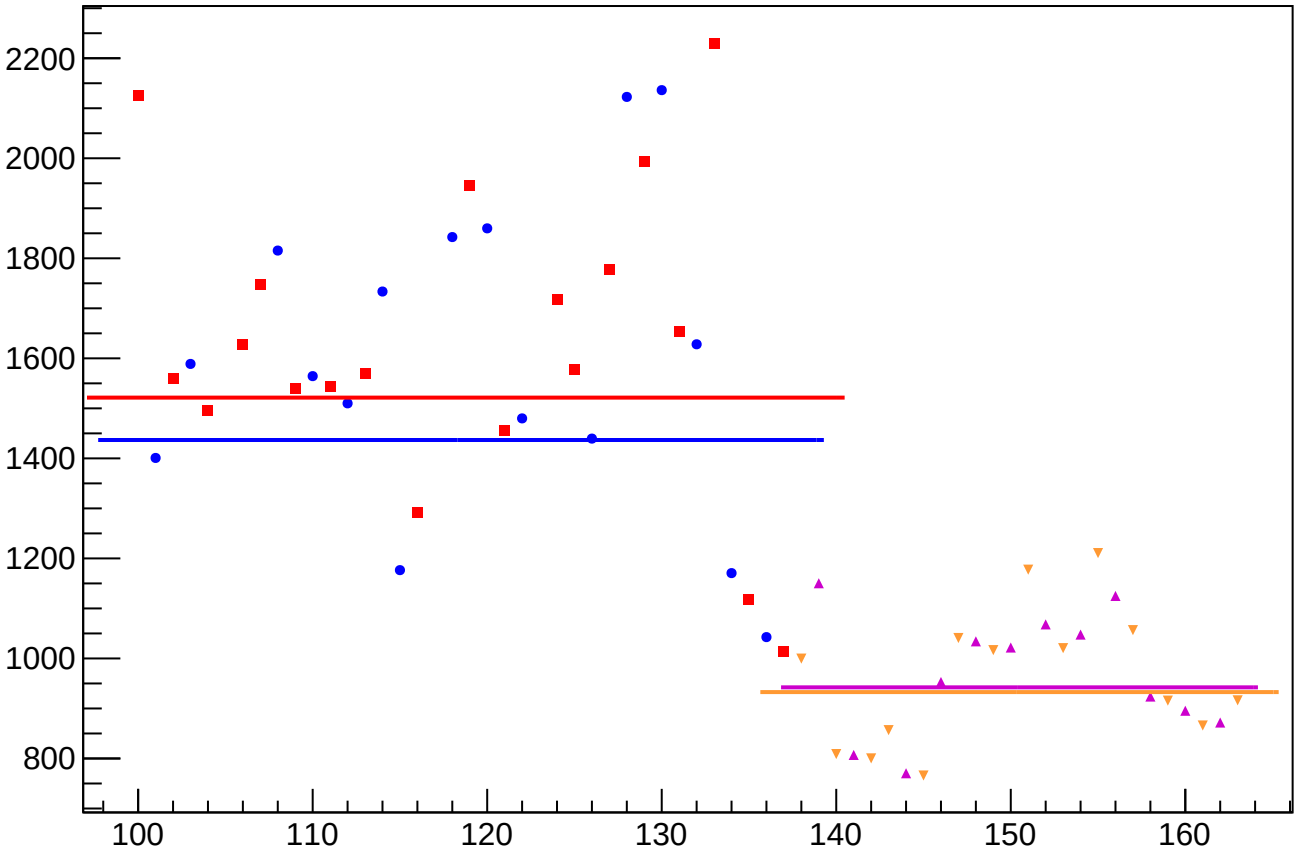
Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -96.157+/-295.733 χ^2/NDF:12.1/11

+ sign -1185.081+/-251.131 χ^2/NDF: 52.3/29

All: -757.907+/-181.457 χ^2/NDF: 85.0/60

- sign -291.242+/-262.483 χ^2/NDF: 26.6/30



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

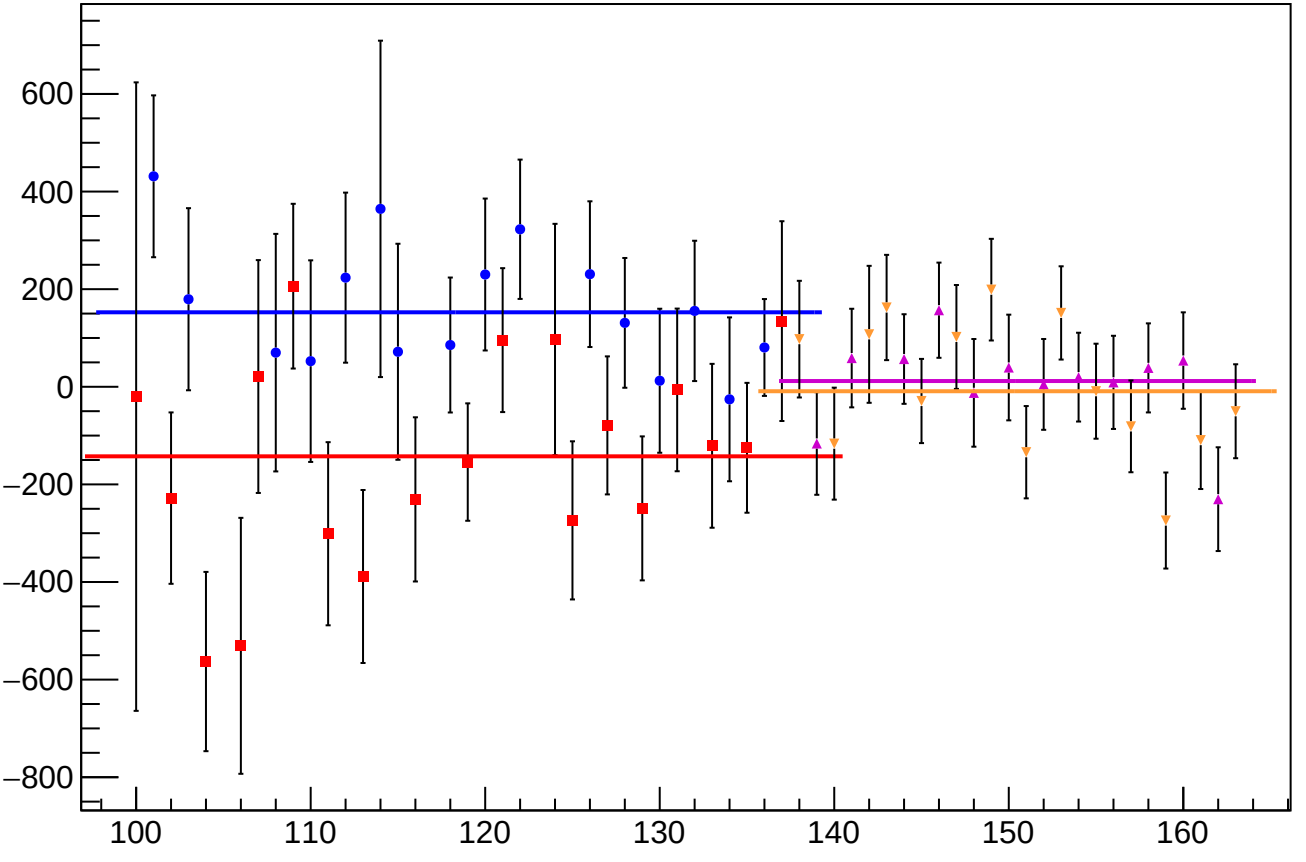
Left In: 942.233+/-0.209 χ^2/NDF:317667.9/11

+ sign 1037.751+/-0.178 χ^2/NDF: 2395606.2/29

All: 1050.854+/-0.128 χ^2/NDF: 4851502.2/60

- sign 1065.168+/-0.186 χ^2/NDF: 2444503.9/30

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -9.119+/-27.232 χ^2/NDF:23.6/13

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

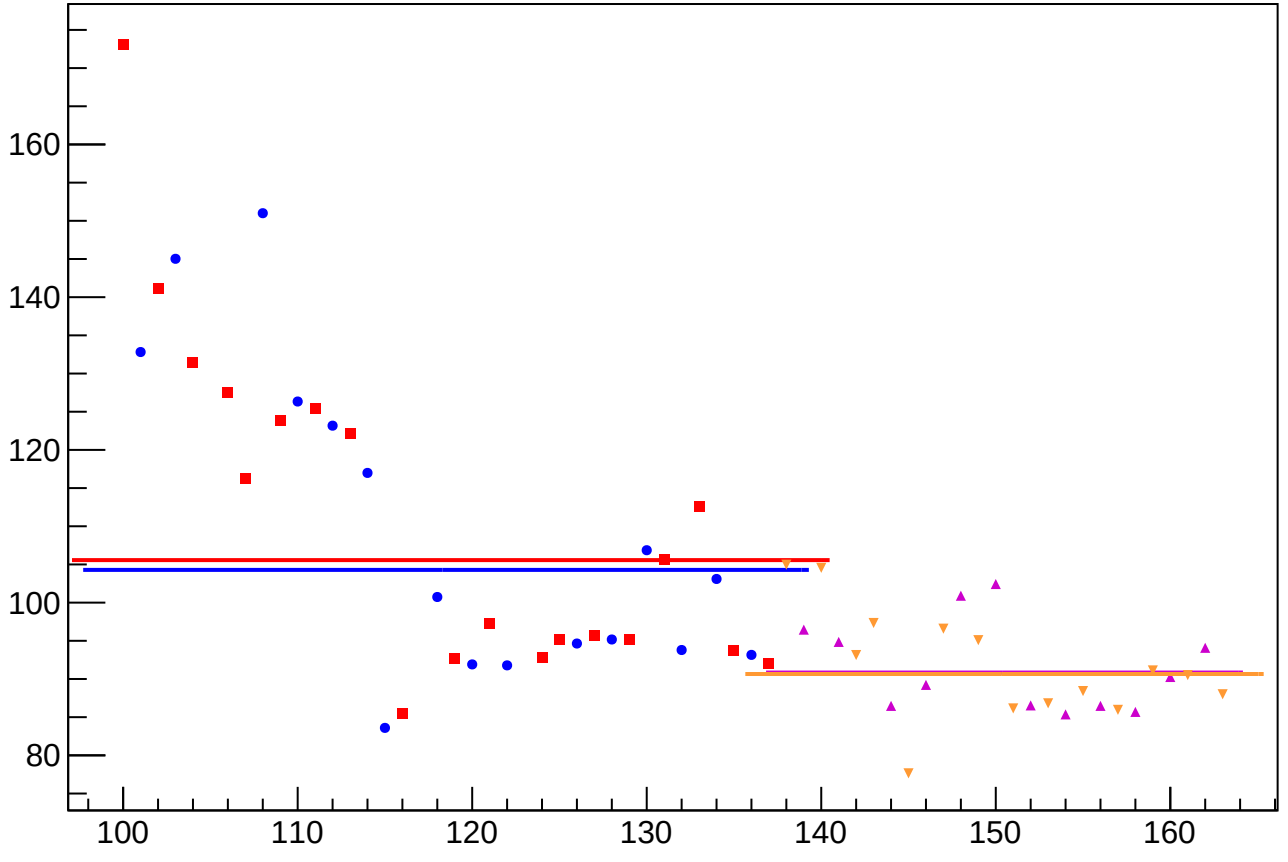
Left In: 11.785+/-28.434 χ^2/NDF:9.7/11

+ sign 43.086+/-22.410 χ^2/NDF: 43.6/29

All: 2.141+/-16.066 χ^2/NDF: 93.3/60

- sign -41.154+/-23.045 χ^2/NDF: 42.8/30

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.652+/-0.019 χ^2/NDF:137062.3/13

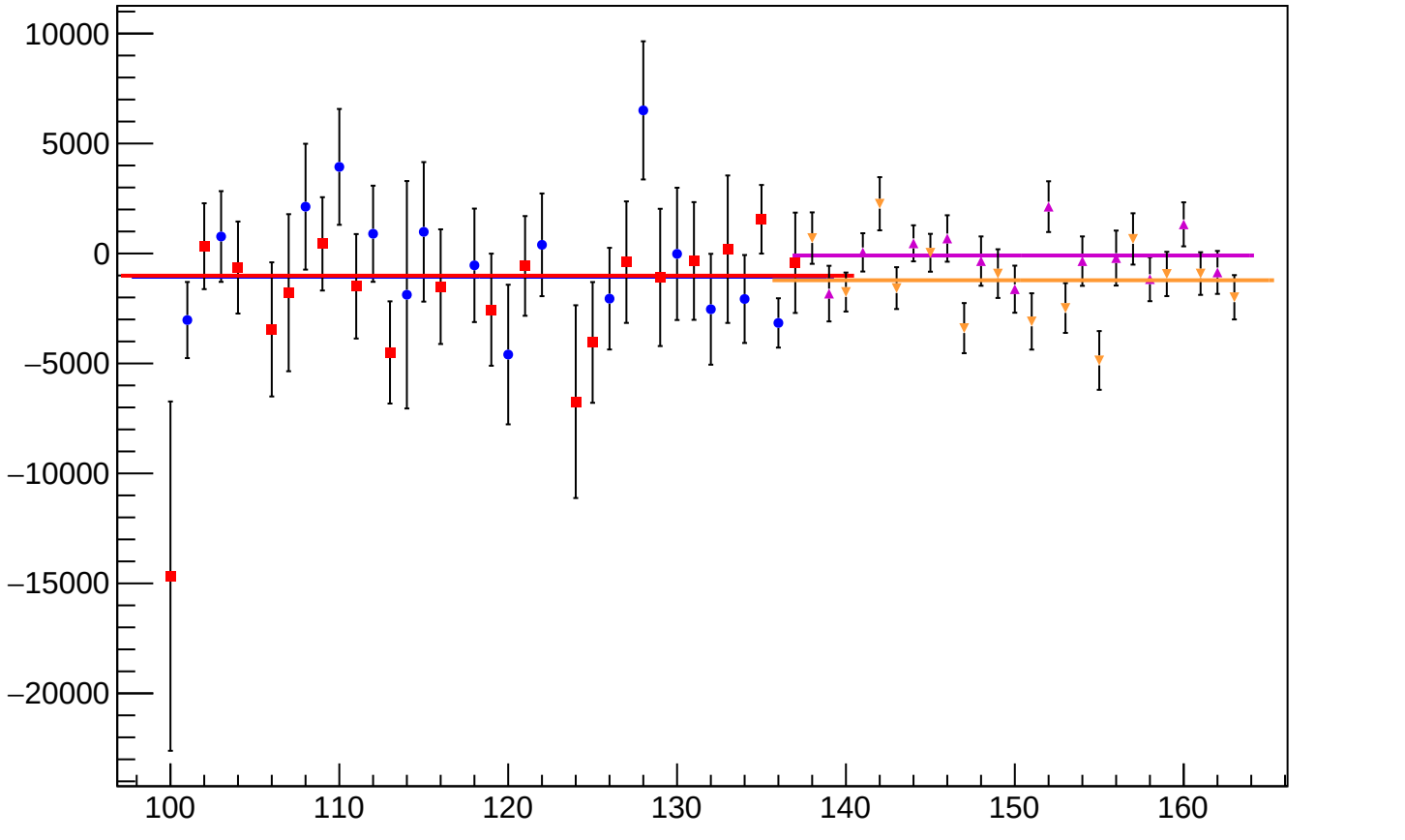
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.844+/-0.020 χ^2/NDF:77514.9/11

+ sign 95.053+/-0.016 χ^2/NDF: 677176.8/29

All: 95.463+/-0.011 χ^2/NDF: 1284705.3/60

- sign 95.896+/-0.016 χ^2/NDF: 606151.2/30



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1216.473+/-283.373 χ^2/NDF:31.5/13

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

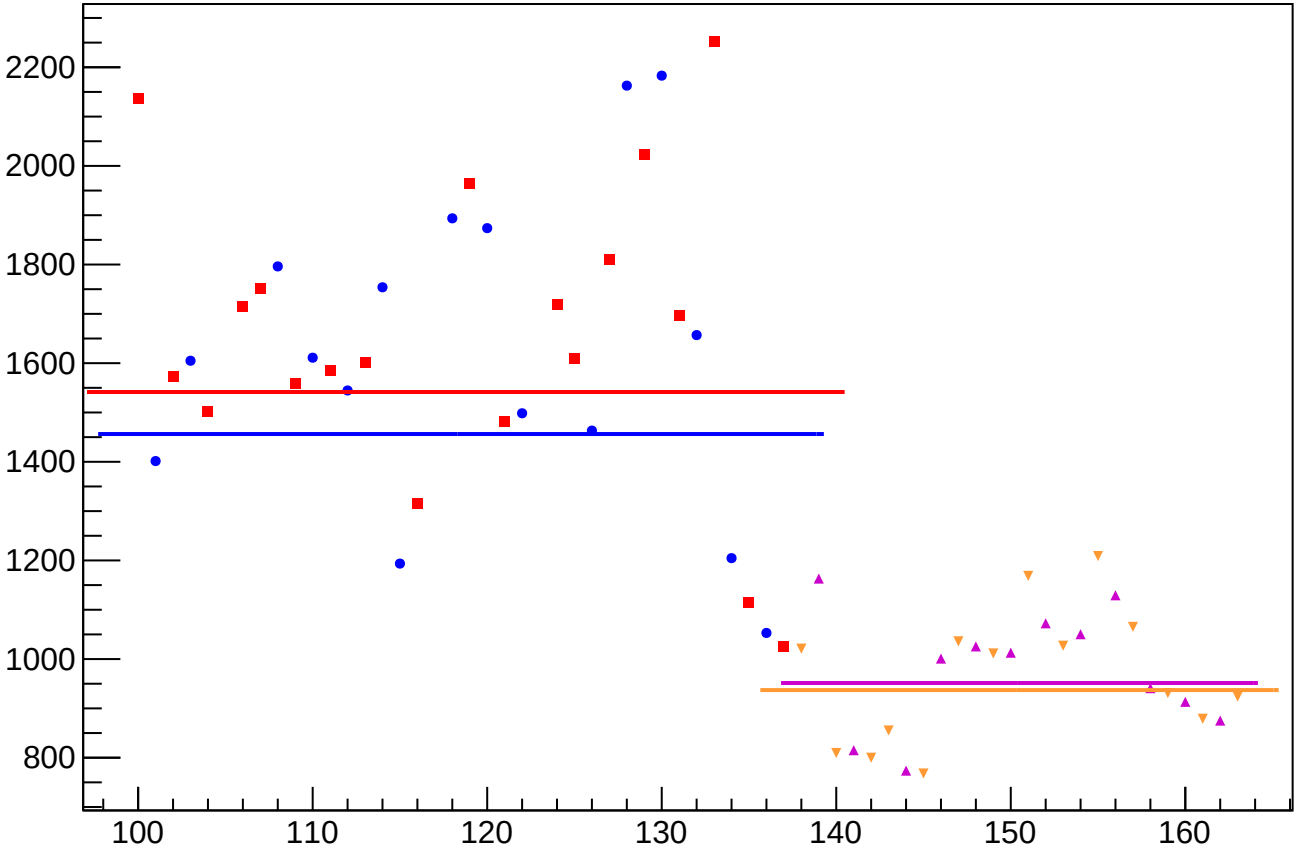
Left In: -90.815+/-298.504 χ^2/NDF:12.5/11

+ sign -1184.228+/-252.626 χ^2/NDF: 51.6/29

All: -756.416+/-182.832 χ^2/NDF: 85.5/60

- sign -285.877+/-264.941 χ^2/NDF: 27.8/30

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 937.114+/-0.200 χ^2/NDF:386454.9/13

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

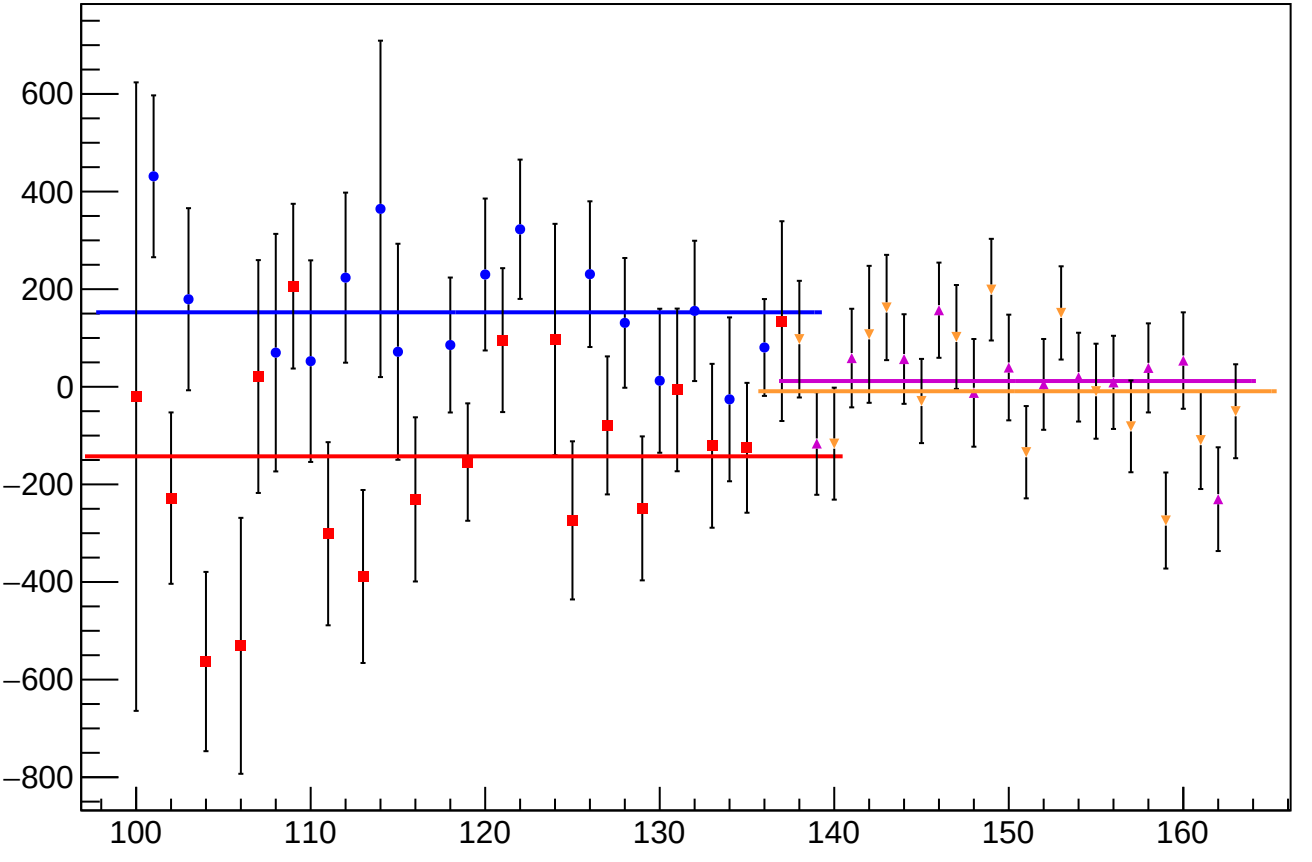
Left In: 951.494+/-0.211 χ^2/NDF:312096.0/11

+ sign 1043.667+/-0.179 χ^2/NDF: 2449129.8/29

All: 1059.406+/-0.129 χ^2/NDF: 4955254.4/60

- sign 1076.718+/-0.187 χ^2/NDF: 2489822.9/30

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -9.118+/-27.232 χ^2/NDF:23.6/13

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

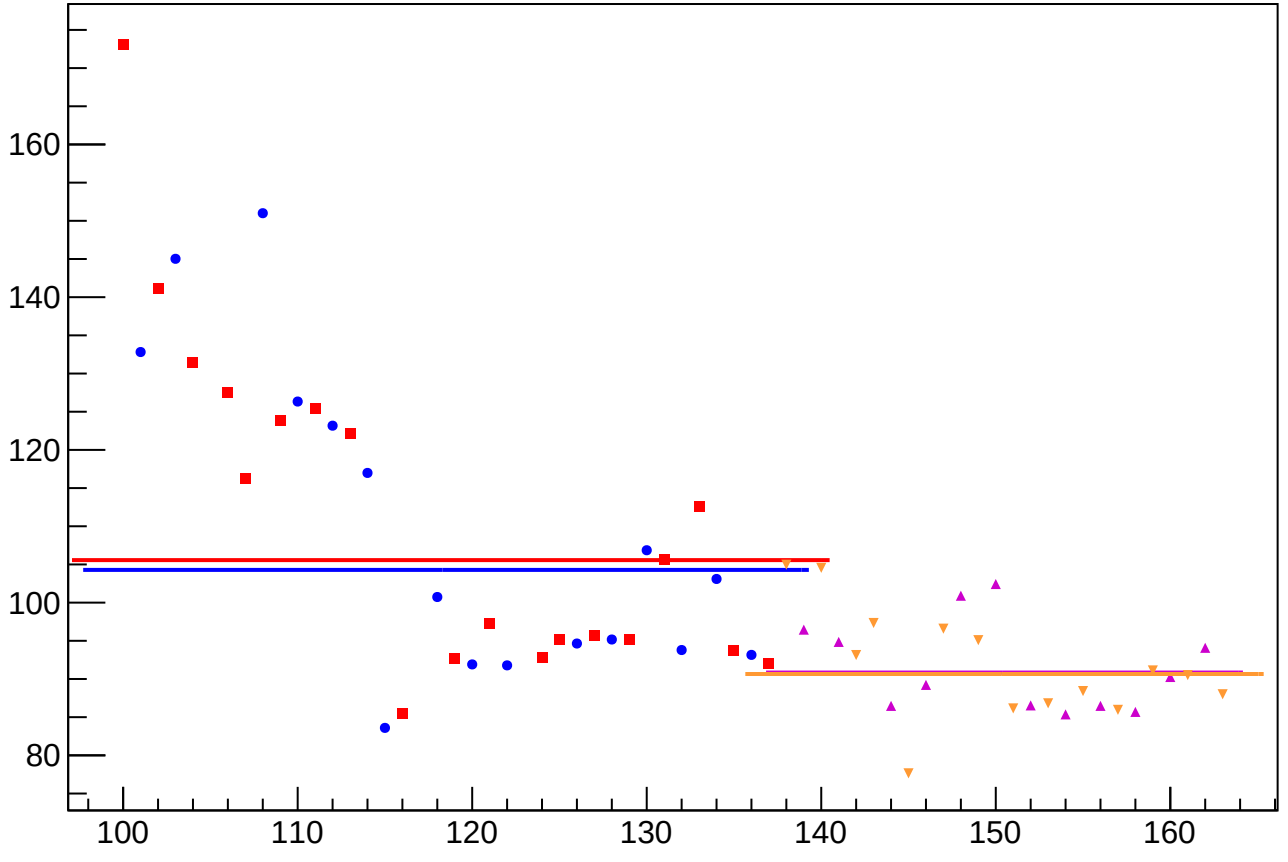
Left In: 11.785+/-28.434 χ^2/NDF:9.7/11

+ sign 43.088+/-22.410 χ^2/NDF: 43.6/29

All: 2.143+/-16.066 χ^2/NDF: 93.3/60

- sign -41.154+/-23.045 χ^2/NDF: 42.8/30

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.653+/-0.019 χ^2/NDF:137057.7/13

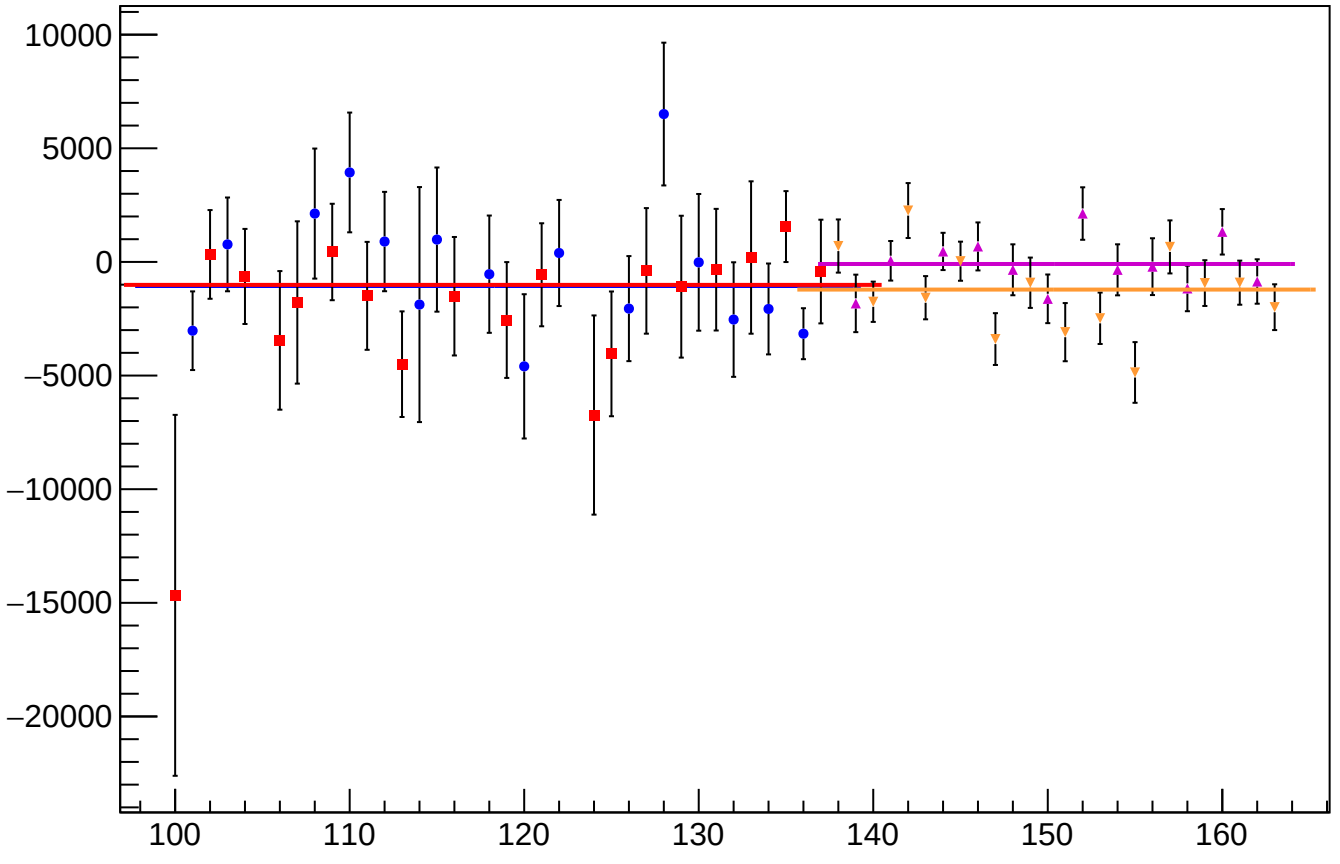
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.844+/-0.020 χ^2/NDF:77513.0/11

+ sign 95.053+/-0.016 χ^2/NDF: 677149.1/29

All: 95.463+/-0.011 χ^2/NDF: 1284658.1/60

- sign 95.896+/-0.016 χ^2/NDF: 606131.9/30



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1216.471+/-283.373 χ^2/NDF:31.5/13

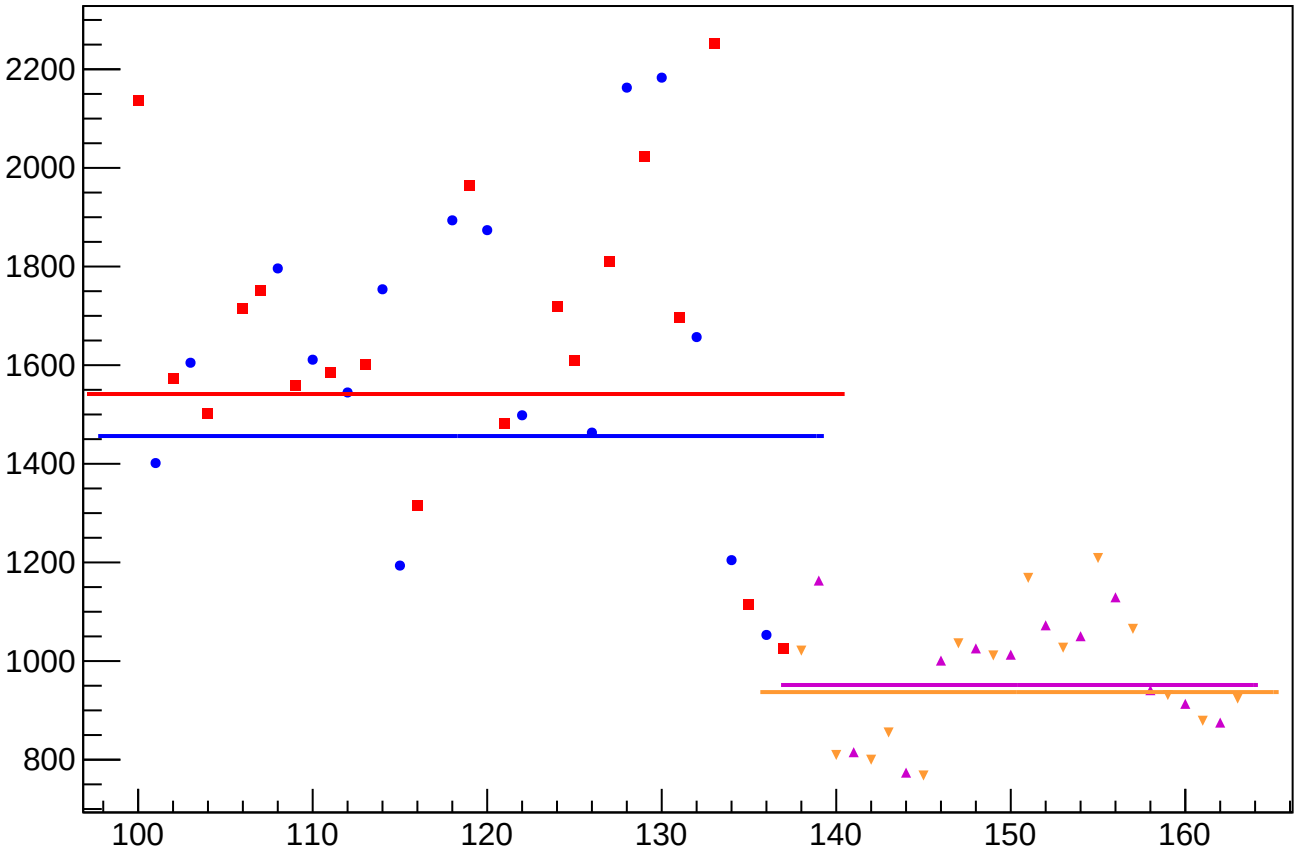
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -90.815+/-298.504 χ^2/NDF:12.5/11

+ sign -1184.226+/-252.626 χ^2/NDF: 51.6/29

All: -756.414+/-182.832 χ^2/NDF: 85.5/60

- sign -285.877+/-264.941 χ^2/NDF: 27.8/30



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 937.113+/-0.200 χ^2/NDF:386458.0/13

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

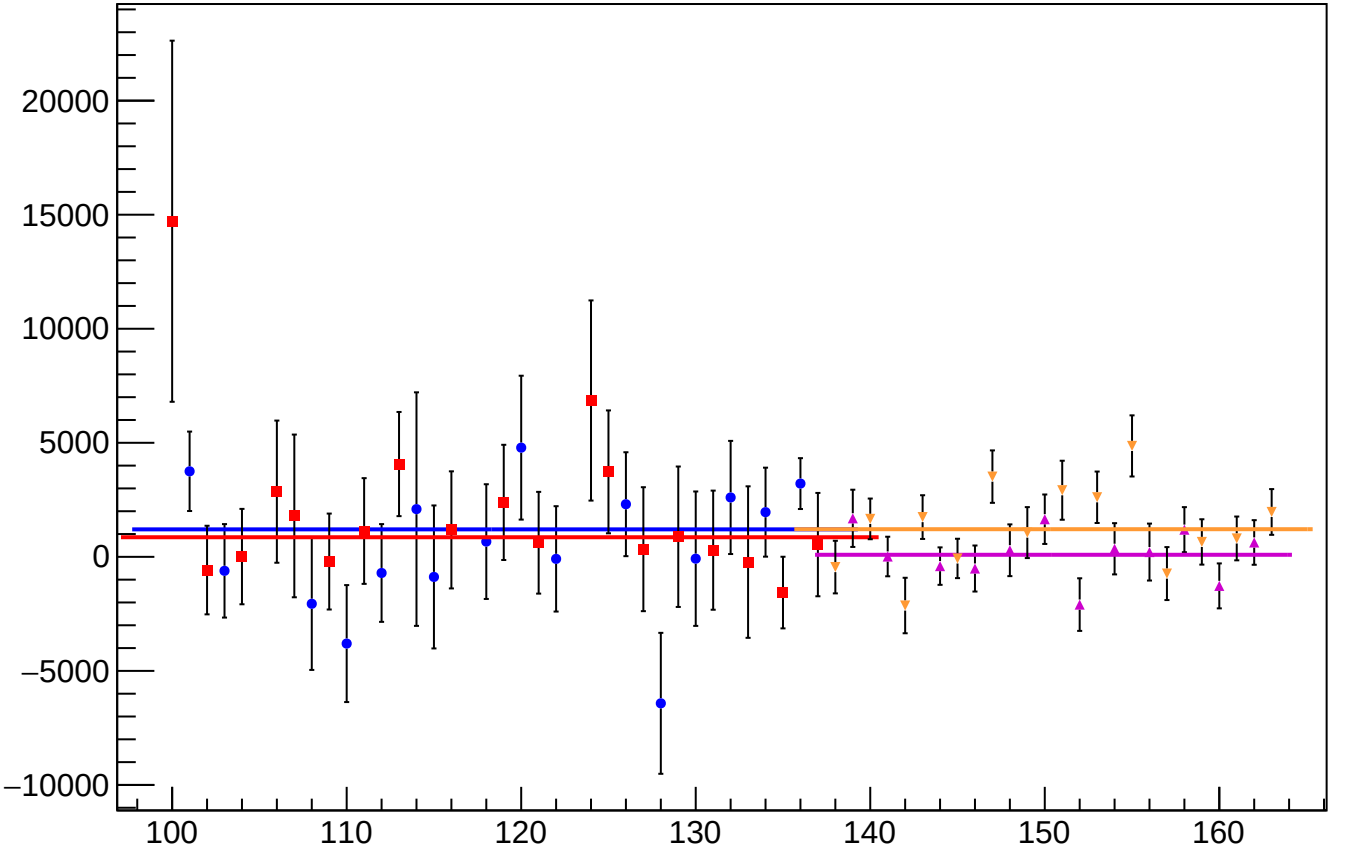
Left In: 951.493+/-0.211 χ^2/NDF:312097.5/11

+ sign 1043.666+/-0.179 χ^2/NDF: 2449126.1/29

All: 1059.405+/-0.129 χ^2/NDF: 4955246.9/60

- sign 1076.716+/-0.187 χ^2/NDF: 2489819.2/30

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1211.939+/-283.413 χ^2/NDF:31.0/13

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

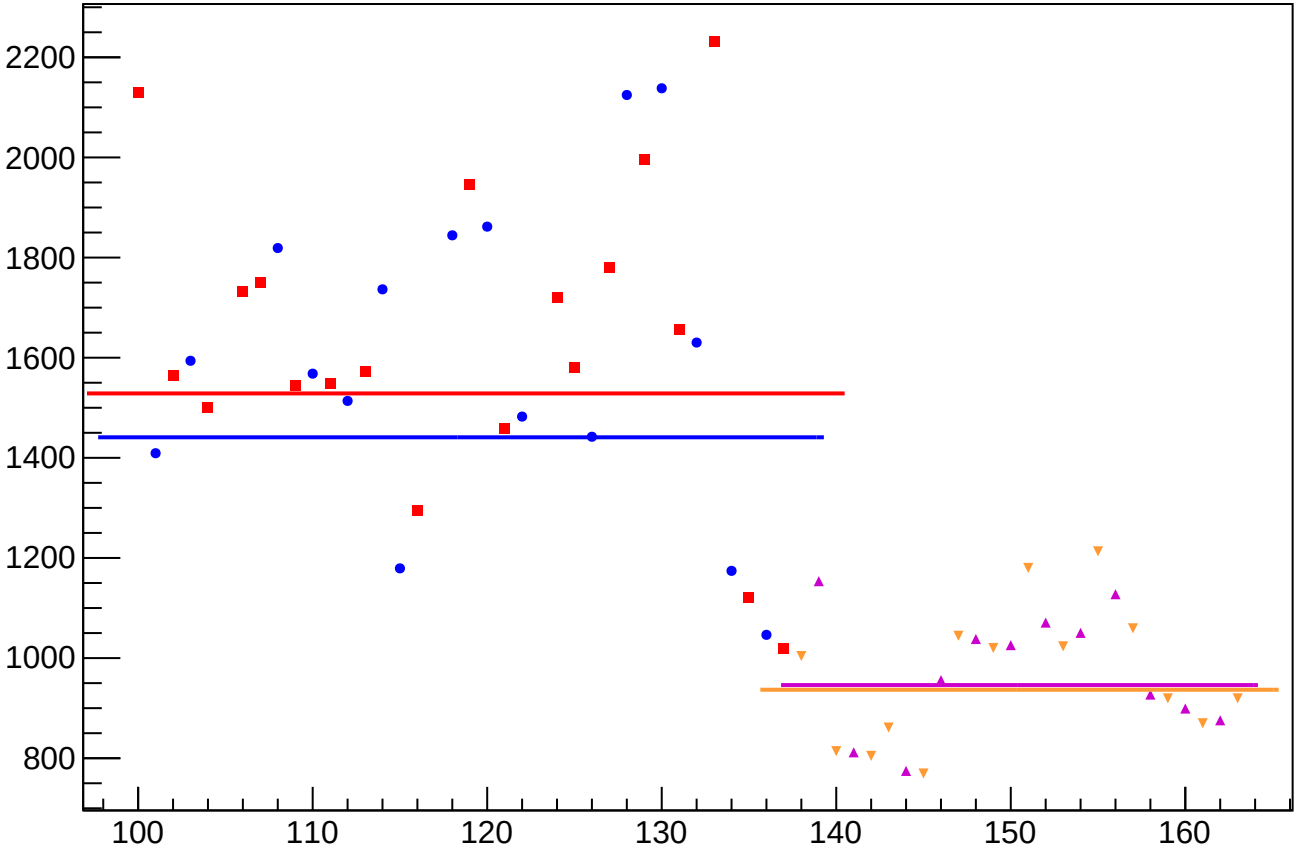
Left In: 90.308+/-296.904 χ^2/NDF:11.6/11

+ sign 1210.426+/-252.097 χ^2/NDF: 52.2/29

All: 753.219+/-182.112 χ^2/NDF: 84.5/60

- sign 254.244+/-263.361 χ^2/NDF: 25.5/30

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 936.796+/-0.200 χ^2/NDF:385443.7/13

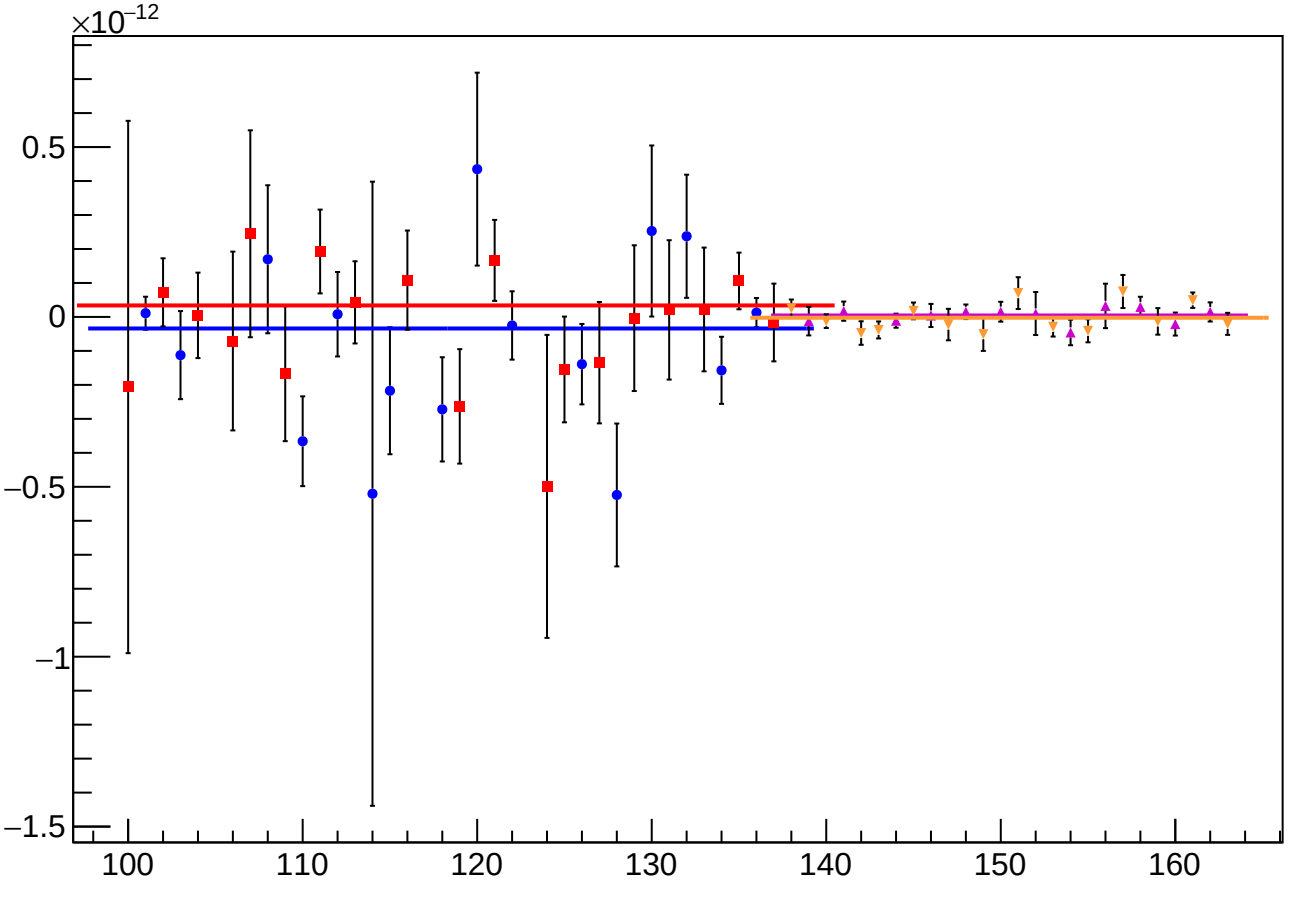
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 946.108+/-0.210 χ^2/NDF:312623.7/11

+ sign 1042.068+/-0.178 χ^2/NDF: 2377814.2/29

All: 1055.567+/-0.129 χ^2/NDF: 4845542.3/60

- sign 1070.298+/-0.186 χ^2/NDF: 2455736.5/30



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/13

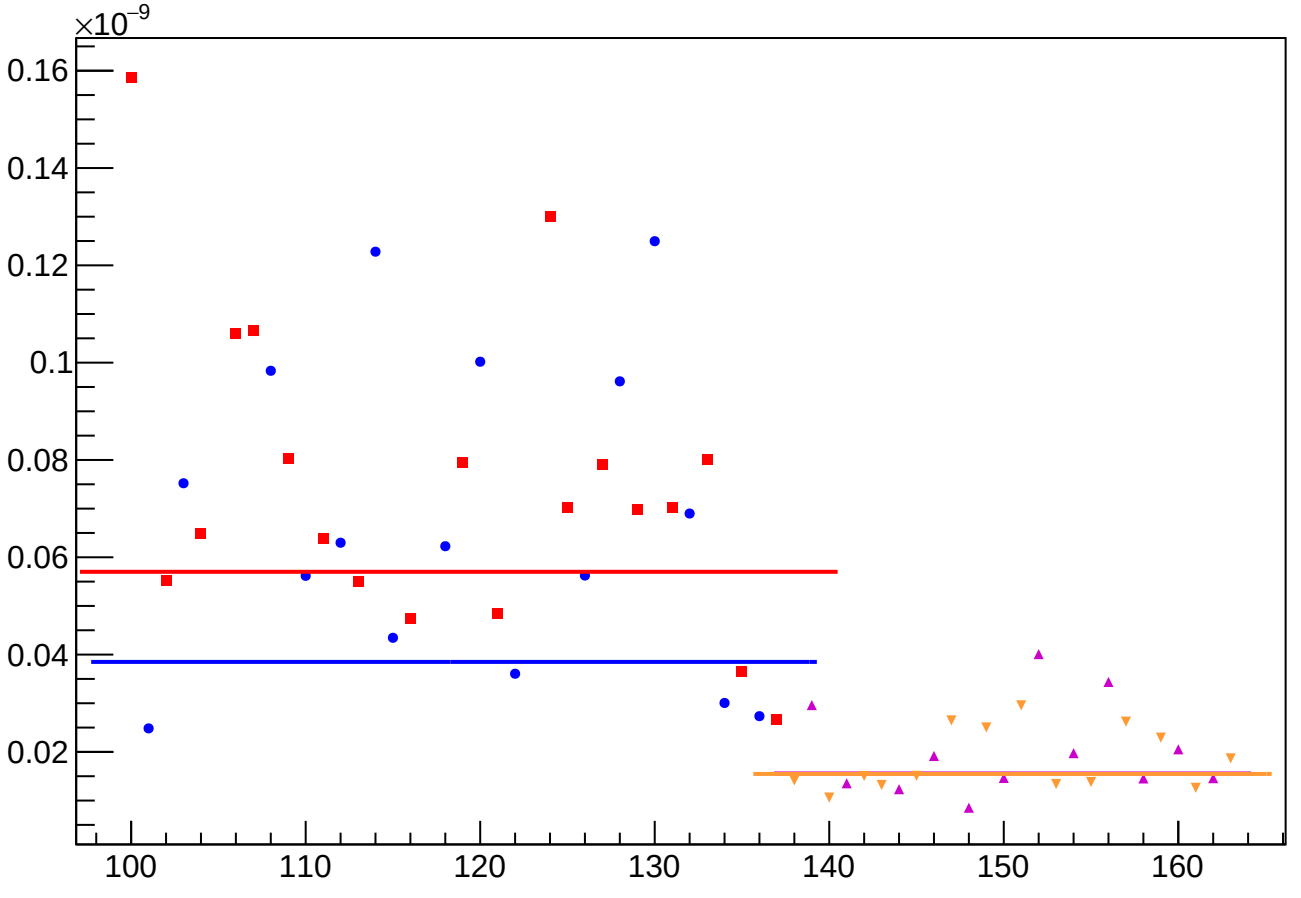
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/29

All: -0.000+/-0.000 χ^2/NDF: 67.7/60

- sign 0.000+/-0.000 χ^2/NDF: 18.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:744992.2/13

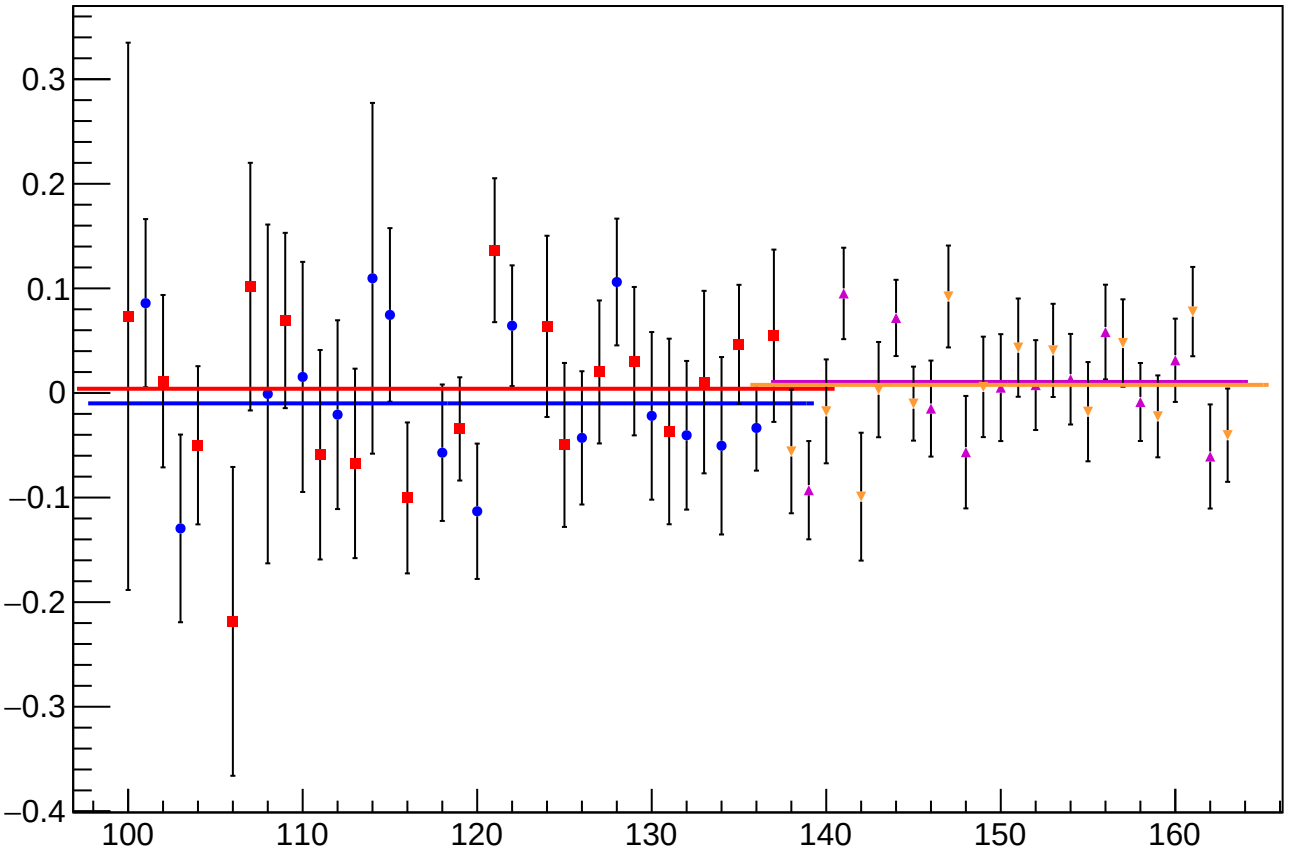
Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1060128.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 3658106.0/29

All: 0.000+/-0.000 χ^2/NDF: 8198673.8/60

- sign 0.000+/-0.000 χ^2/NDF: 4535187.0/30



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

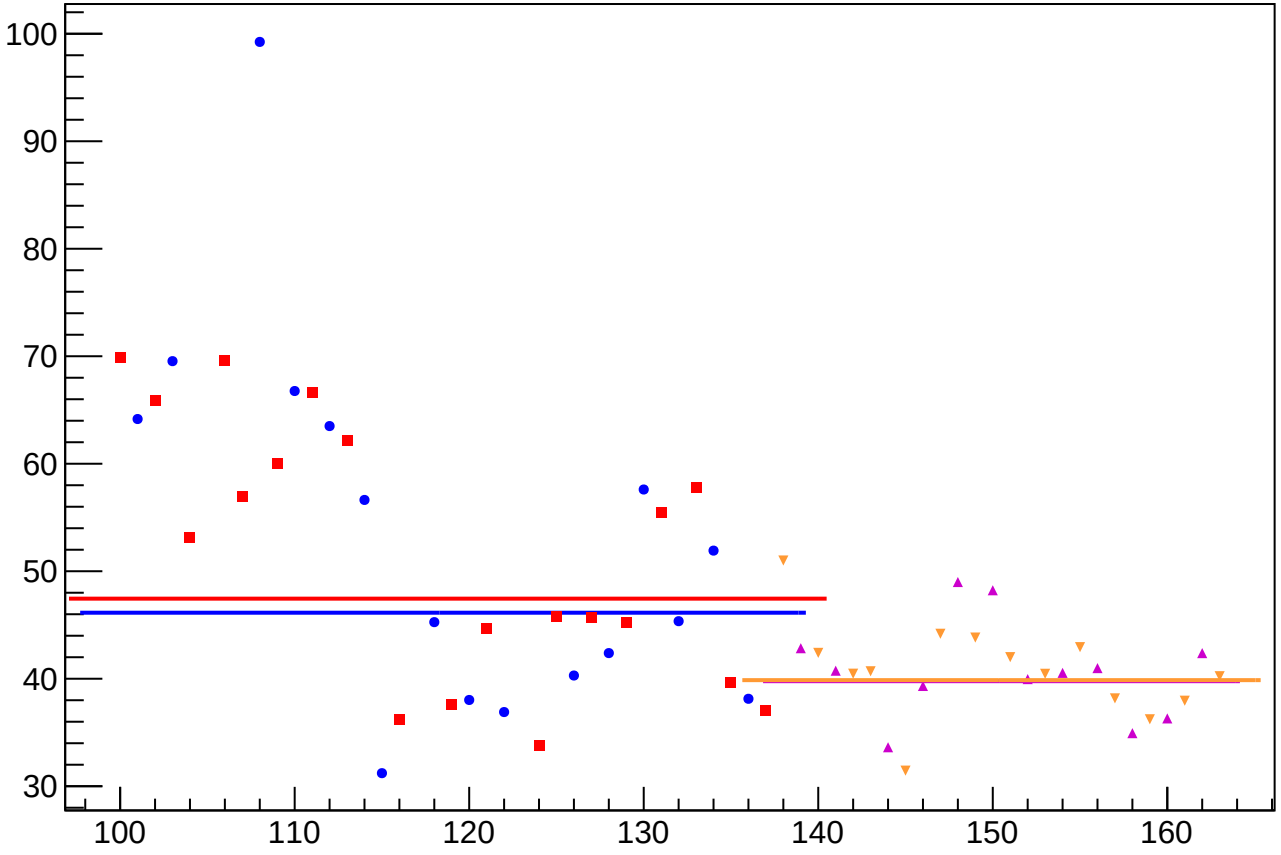
Left In: 0.010+/-0.013 χ^2/NDF:17.0/11

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.005+/-0.007 χ^2/NDF: 60.6/60

- sign 0.008+/-0.010 χ^2/NDF: 30.9/30

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: 39.868+/-0.009 χ^2/NDF:257044.4/13

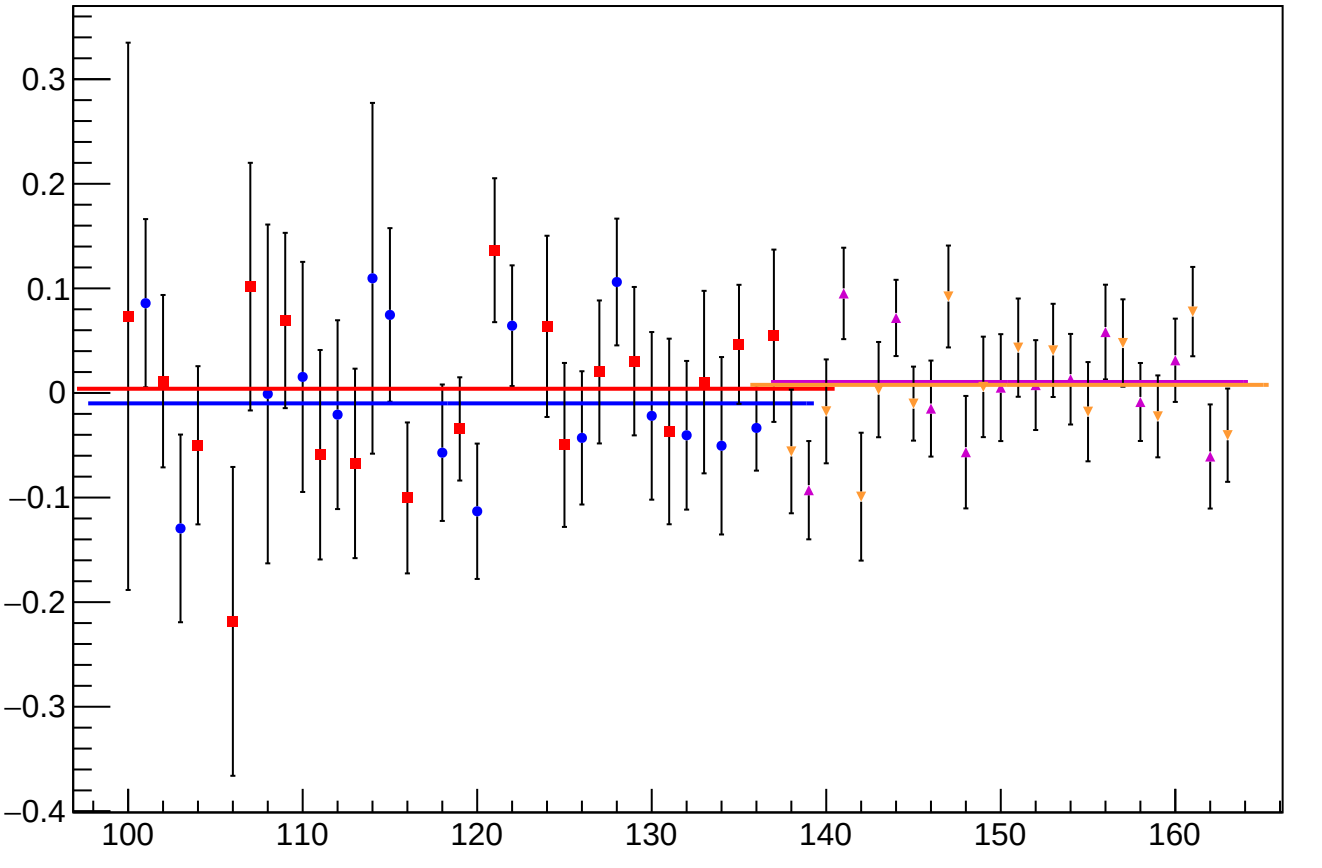
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.771+/-0.009 χ^2/NDF:236610.0/11

+ sign 41.834+/-0.007 χ^2/NDF: 1327272.3/29

All: 42.056+/-0.005 χ^2/NDF: 2462554.9/60

- sign 42.292+/-0.007 χ^2/NDF: 1133268.5/30



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

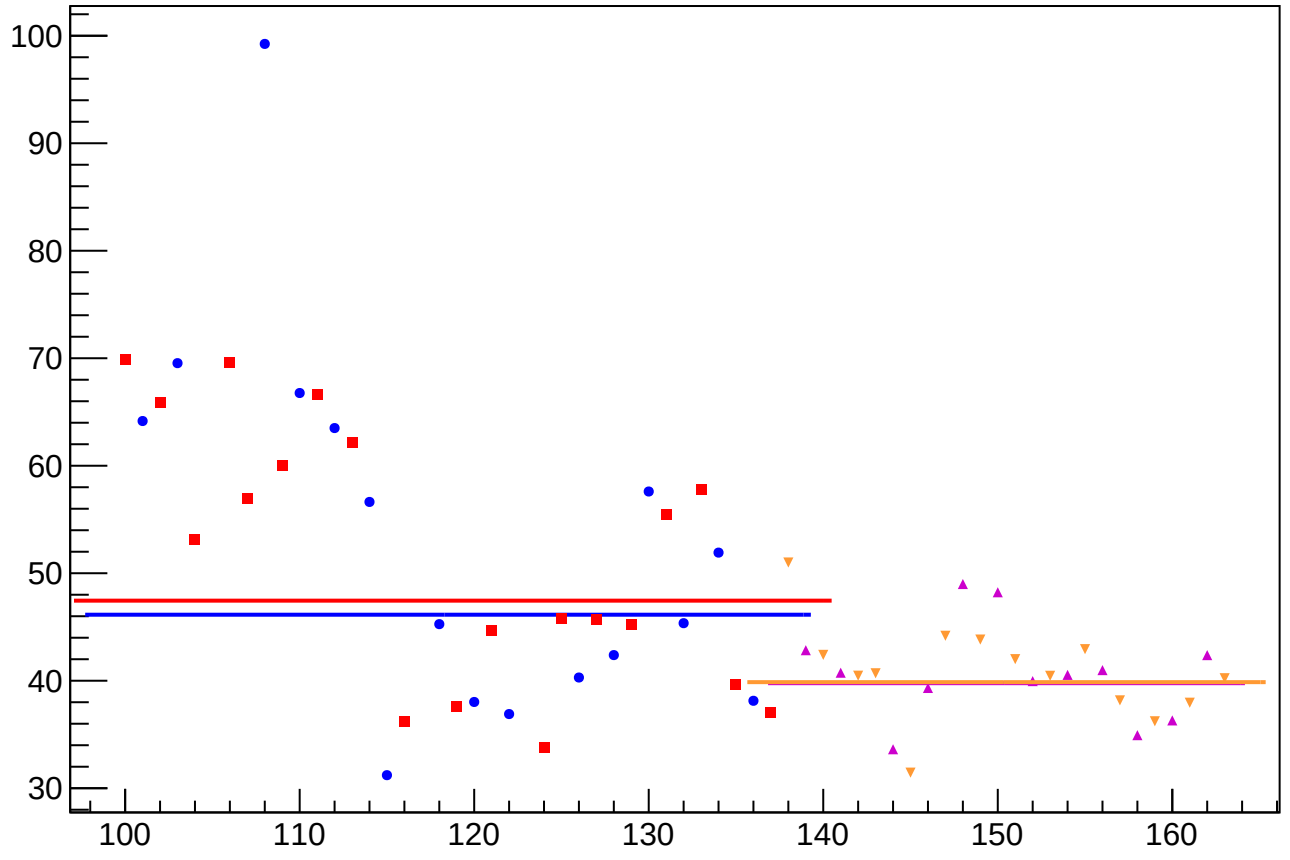
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:17.0/11

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.005+/-0.007 χ^2/NDF: 60.6/60

- sign 0.008+/-0.010 χ^2/NDF: 30.9/30



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.868+/-0.009 χ^2/NDF:257044.4/13

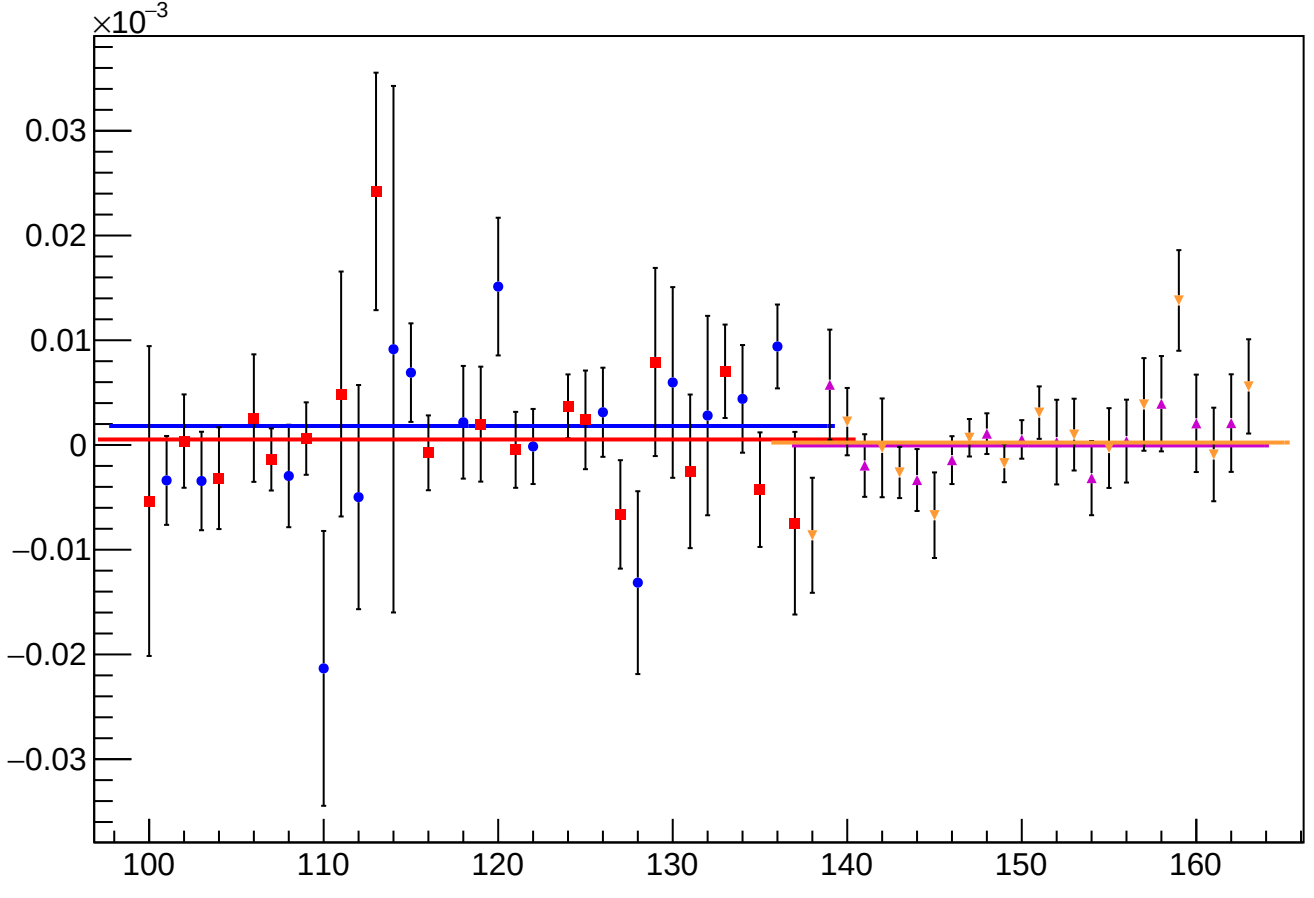
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.771+/-0.009 χ^2/NDF:236610.0/11

+ sign 41.834+/-0.007 χ^2/NDF: 1327272.3/29

All: 42.056+/-0.005 χ^2/NDF: 2462554.9/60

- sign 42.292+/-0.007 χ^2/NDF: 1133268.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/13

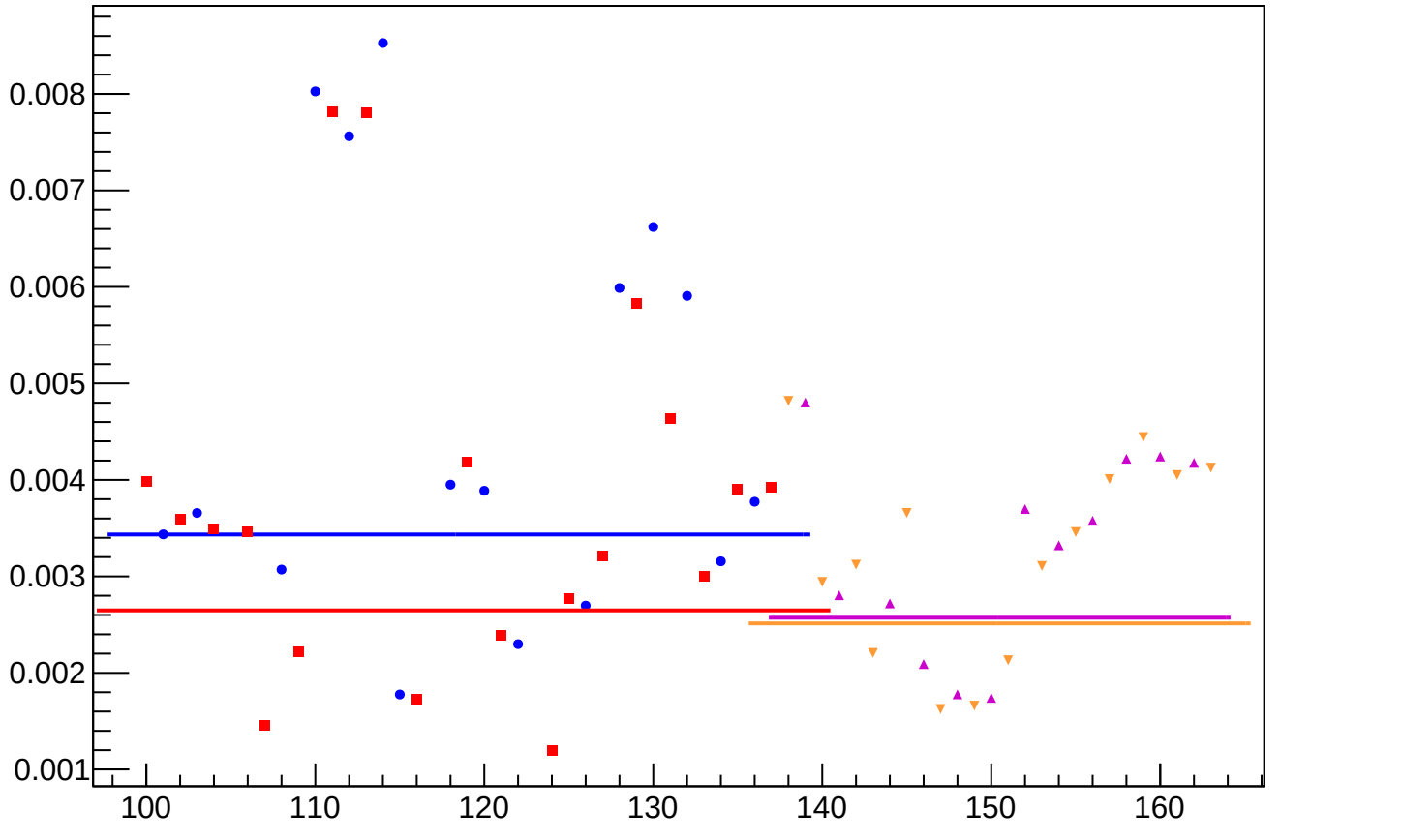
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/29

All: 0.000+/-0.000 χ^2/NDF: 60.8/60

- sign 0.000+/-0.000 χ^2/NDF: 19.6/30



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2816501.8/13

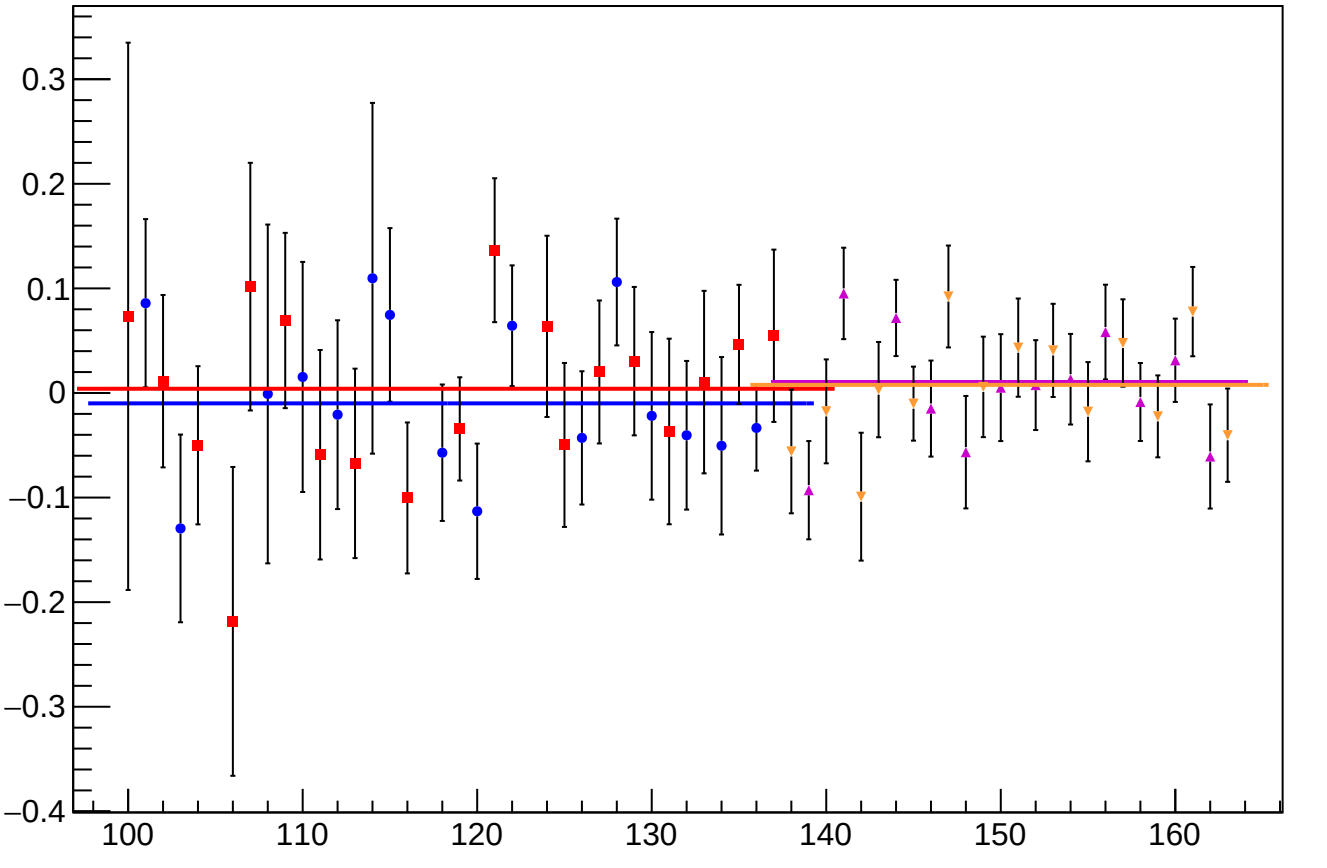
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2336967.5/11

+ sign 0.003+/-0.000 χ^2/NDF: 5233515.5/29

All: 0.003+/-0.000 χ^2/NDF: 10321183.9/60

- sign 0.003+/-0.000 χ^2/NDF: 5039842.7/30



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

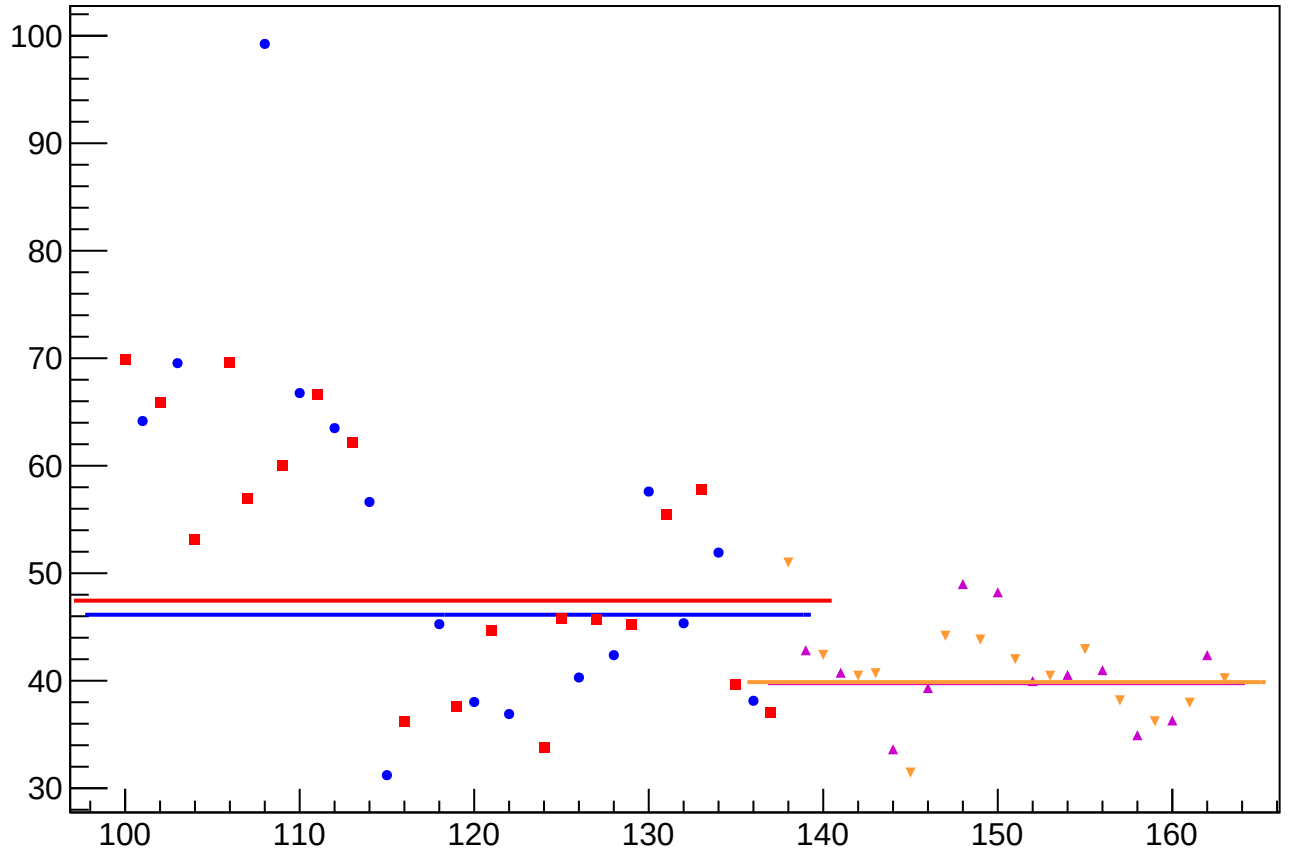
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.010+/-0.013 χ^2/NDF:17.0/11

+ sign 0.002+/-0.010 χ^2/NDF: 29.4/29

All: 0.005+/-0.007 χ^2/NDF: 60.5/60

- sign 0.008+/-0.010 χ^2/NDF: 30.9/30



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.868+/-0.009 χ^2/NDF:257059.7/13

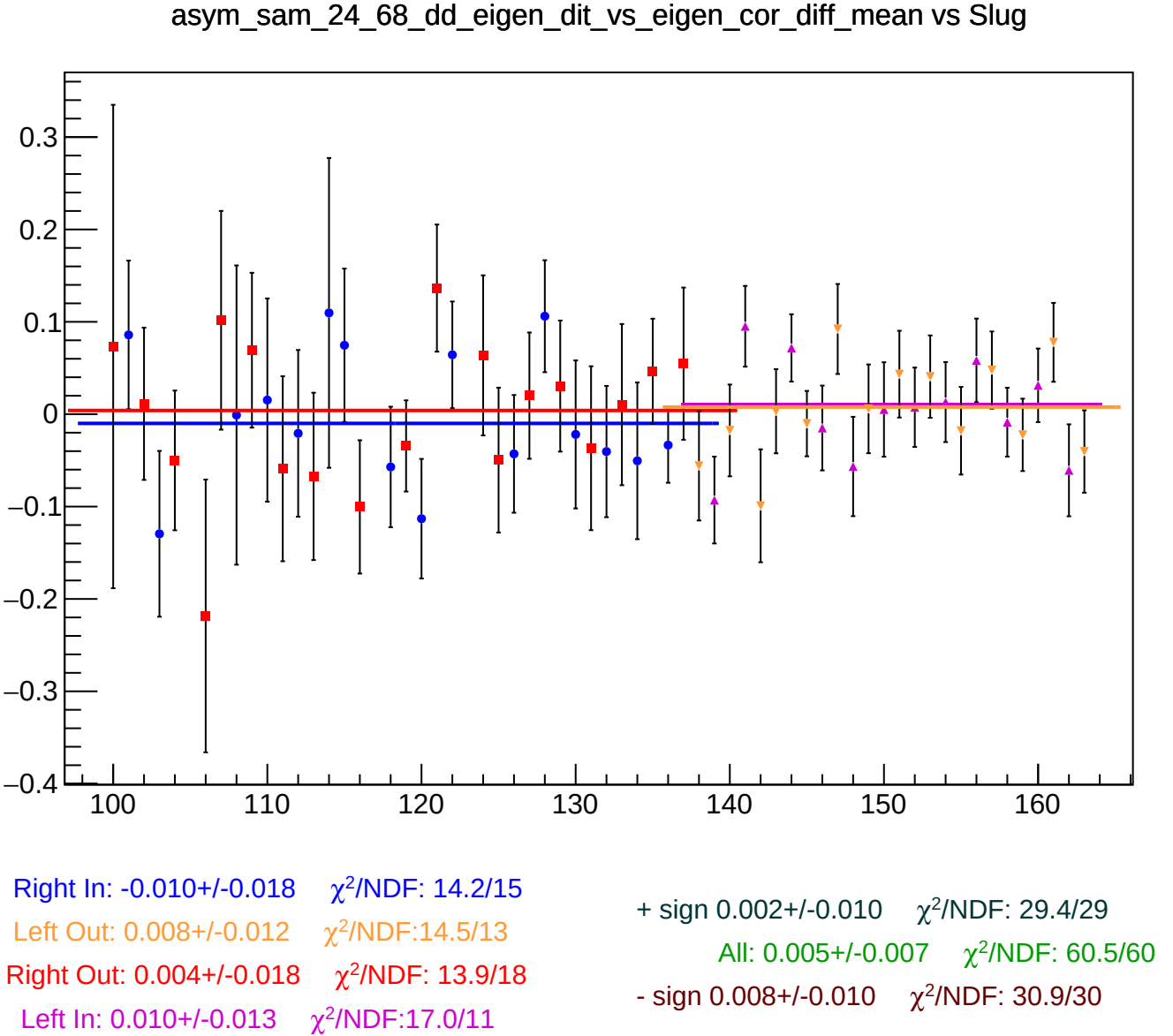
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

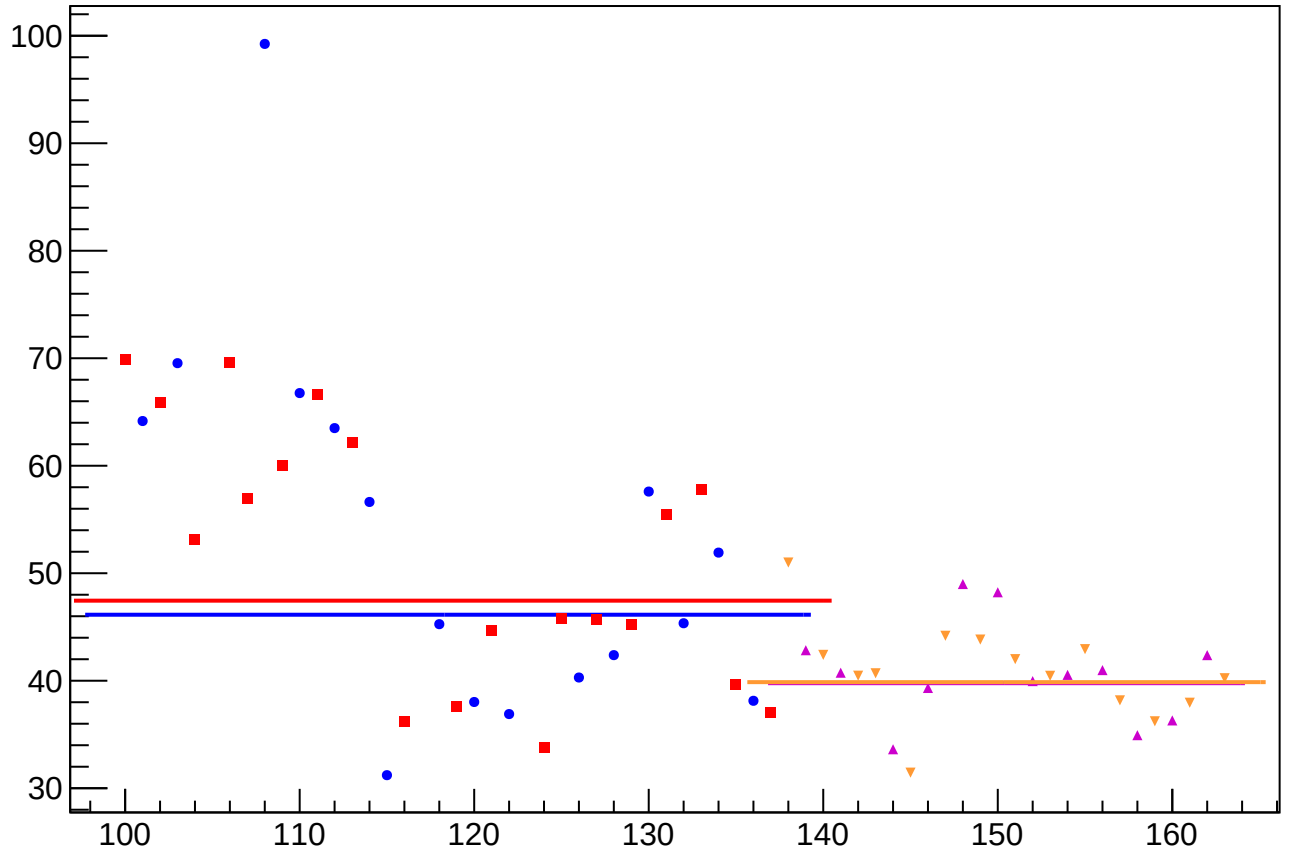
Left In: 39.771+/-0.009 χ^2/NDF:236639.6/11

+ sign 41.833+/-0.007 χ^2/NDF: 1327170.4/29

All: 42.056+/-0.005 χ^2/NDF: 2462418.4/60

- sign 42.292+/-0.007 χ^2/NDF: 1133235.5/30


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.008+/-0.012 χ²/NDF:14.5/13
Right Out: 0.004+/-0.018 χ²/NDF: 13.9/18
Left In: 0.010+/-0.013 χ²/NDF:17.0/11
+ sign 0.002+/-0.010 χ²/NDF: 29.4/29
All: 0.005+/-0.007 χ²/NDF: 60.5/60
- sign 0.008+/-0.010 χ²/NDF: 30.9/30



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.868+/-0.009 χ^2/NDF:257059.7/13

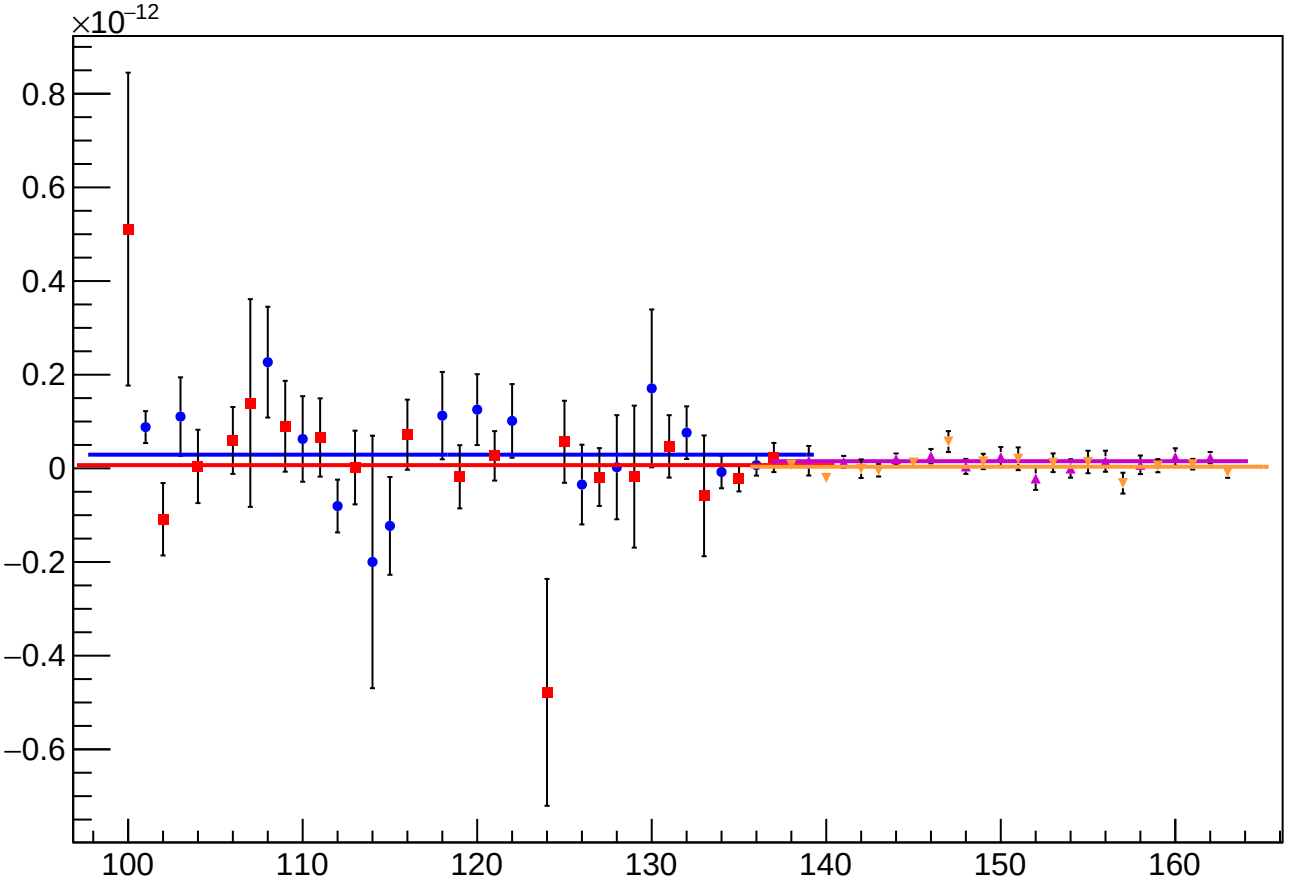
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.771+/-0.009 χ^2/NDF:236639.6/11

+ sign 41.833+/-0.007 χ^2/NDF: 1327170.4/29

All: 42.056+/-0.005 χ^2/NDF: 2462418.4/60

- sign 42.292+/-0.007 χ^2/NDF: 1133235.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/13

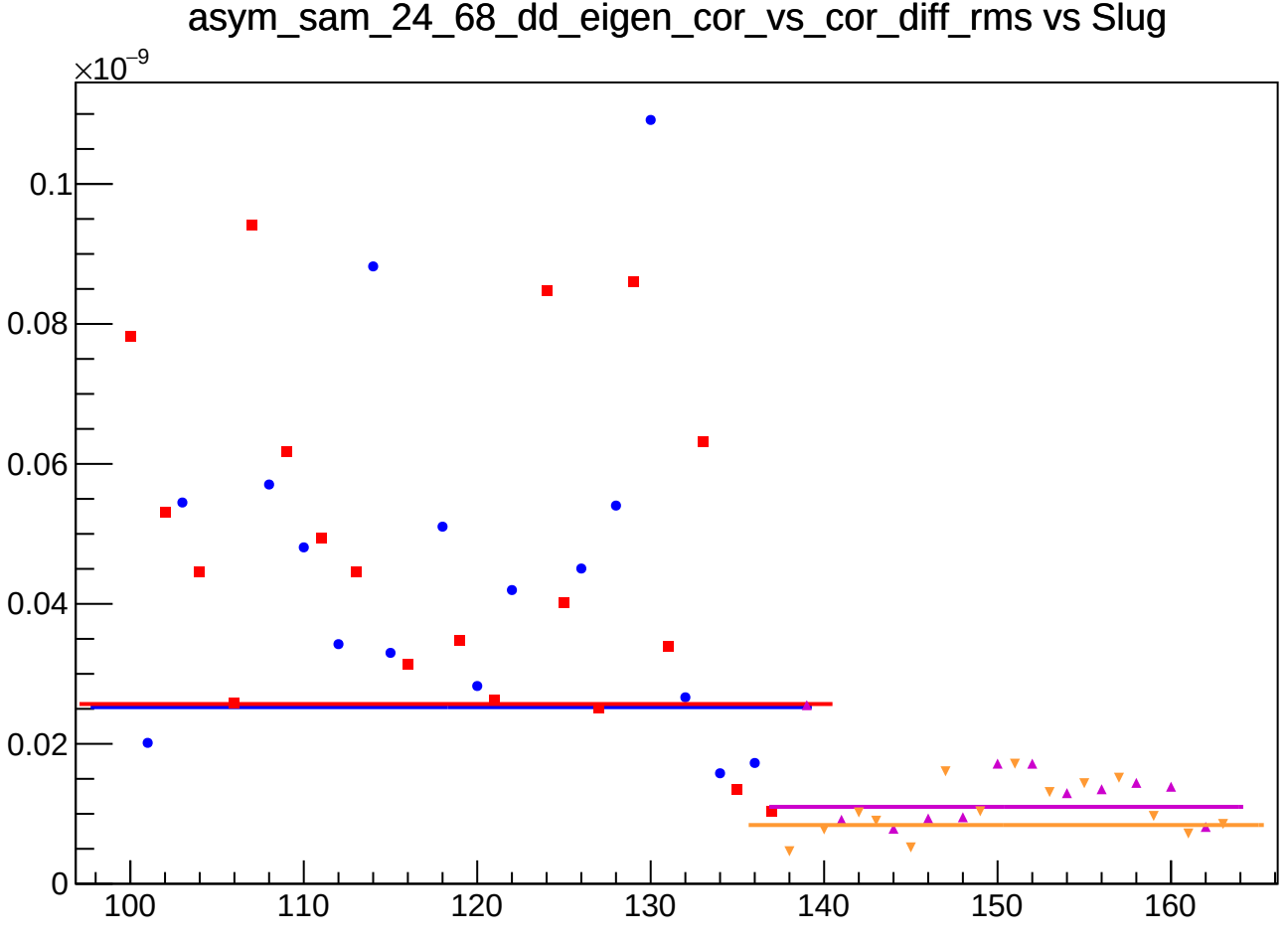
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/29

All: 0.000+/-0.000 χ^2/NDF: 63.5/60

- sign 0.000+/-0.000 χ^2/NDF: 19.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1528227.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

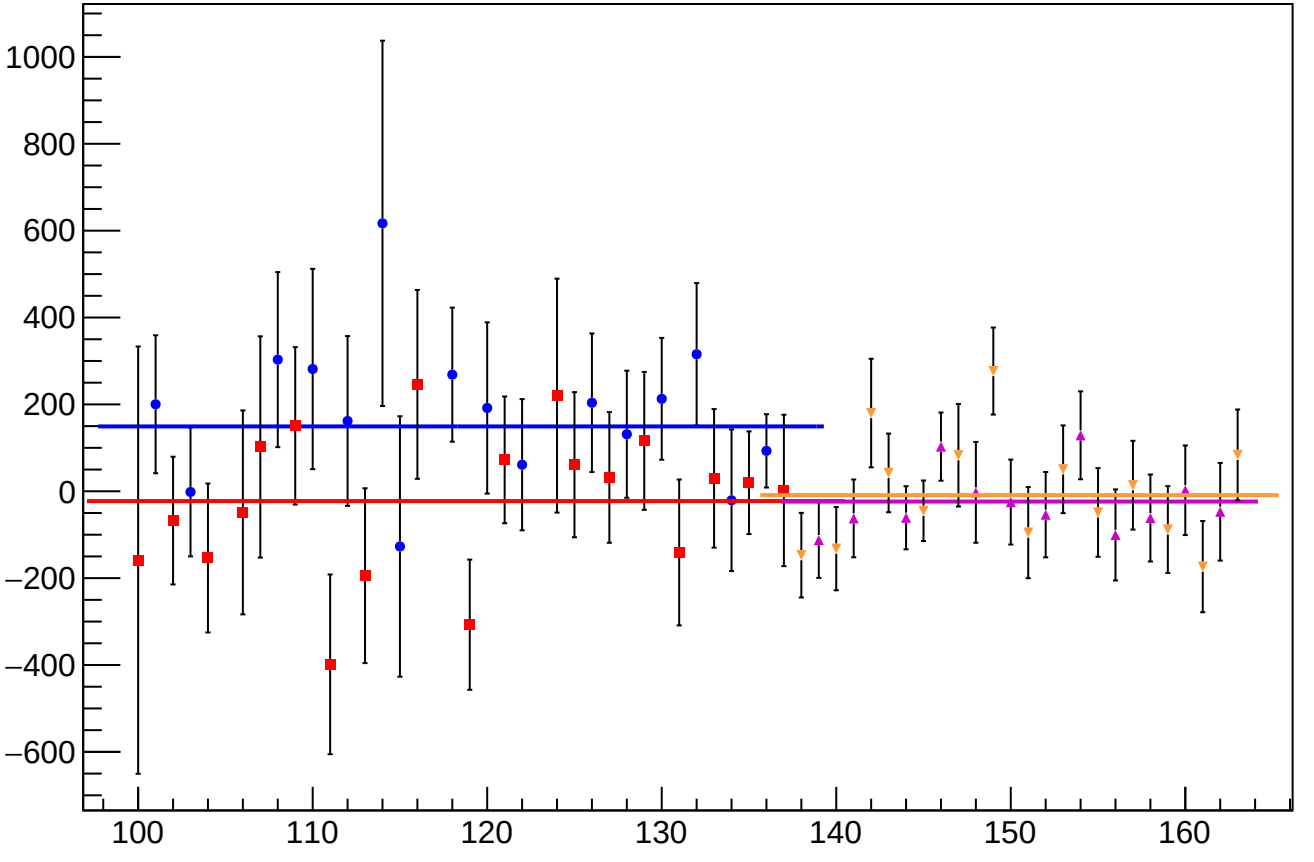
Left In: 0.000+/-0.000 χ^2/NDF:1201646.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 6531210.8/29

All: 0.000+/-0.000 χ^2/NDF: 12904665.7/60

- sign 0.000+/-0.000 χ^2/NDF: 5877017.5/30

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.877+/-26.353 χ^2/NDF:20.4/13

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

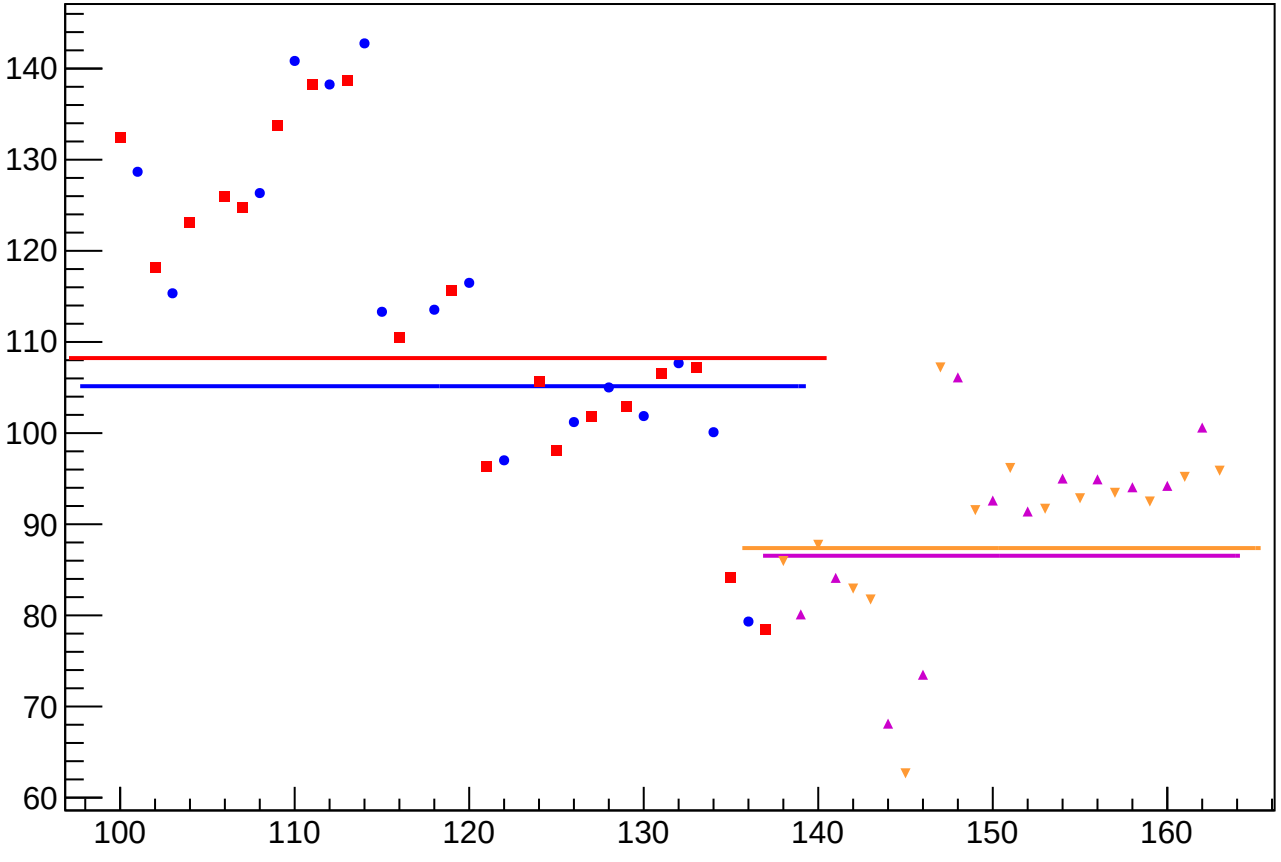
Left In: -23.701+/-27.194 χ^2/NDF:7.3/11

+ sign 39.527+/-21.954 χ^2/NDF: 39.4/29

All: 8.876+/-15.716 χ^2/NDF: 64.9/60

- sign -23.338+/-22.507 χ^2/NDF: 21.5/30

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

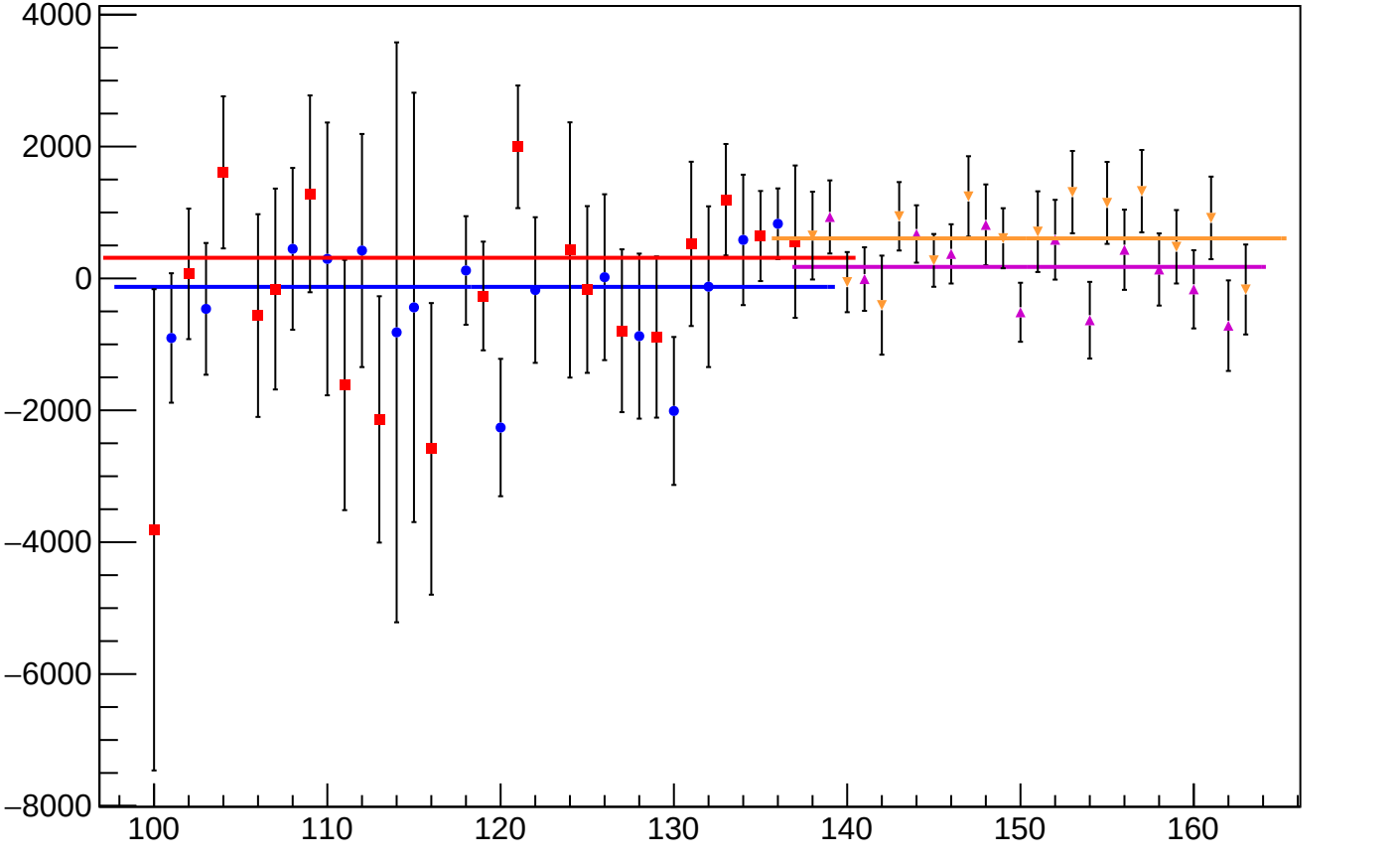
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.3/11

+ sign 92.819+/-0.016 χ^2/NDF: 1068111.2/29

All: 93.090+/-0.011 χ^2/NDF: 2165757.3/60

- sign 93.375+/-0.016 χ^2/NDF: 1097020.2/30



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 607.548+/-149.710 χ^2/NDF:11.1/13

Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

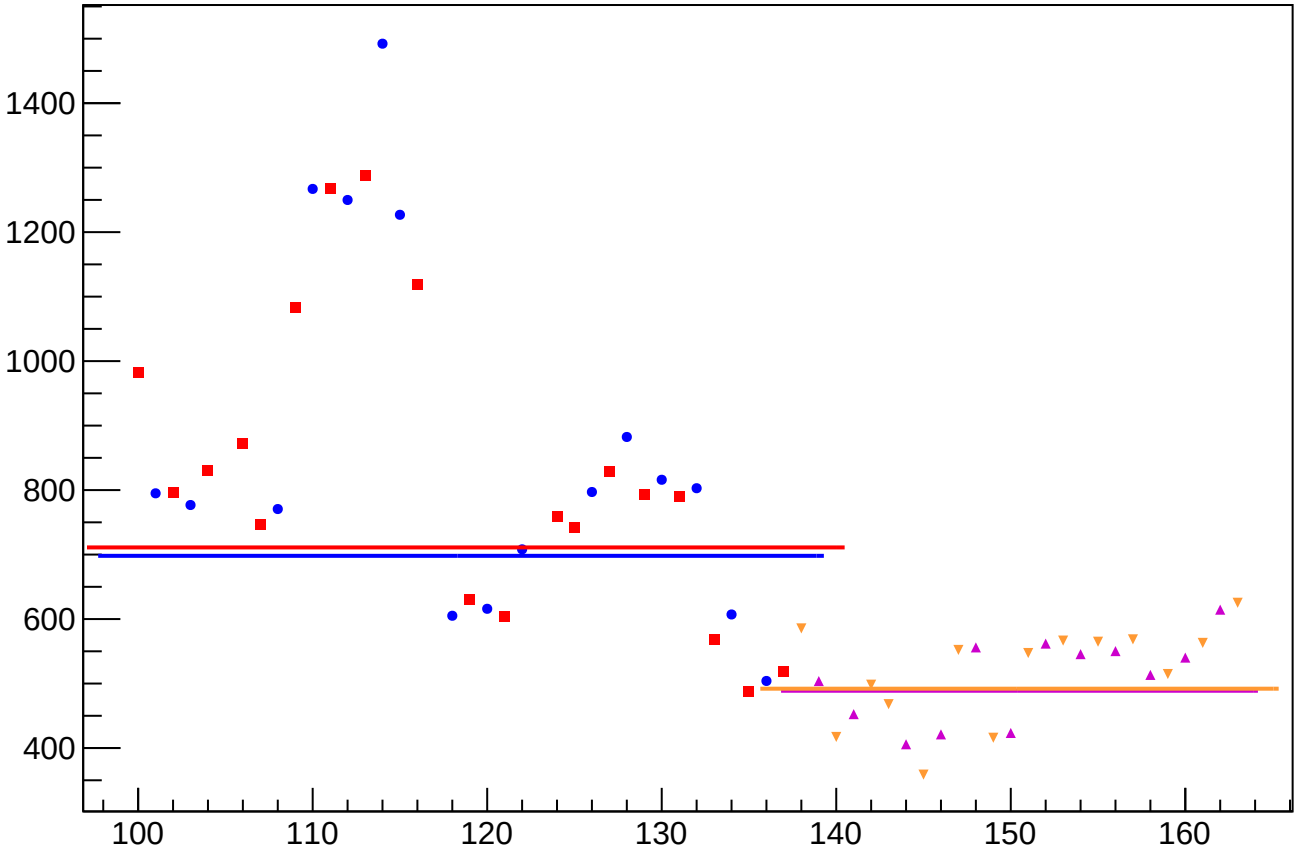
Left In: 174.924+/-154.024 χ^2/NDF:11.6/11

+ sign 433.202+/-130.770 χ^2/NDF: 29.1/29

All: 323.576+/-93.522 χ^2/NDF: 57.3/60

- sign 208.808+/-133.802 χ^2/NDF: 26.8/30

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 492.020+/-0.106 χ^2/NDF:602397.8/13

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

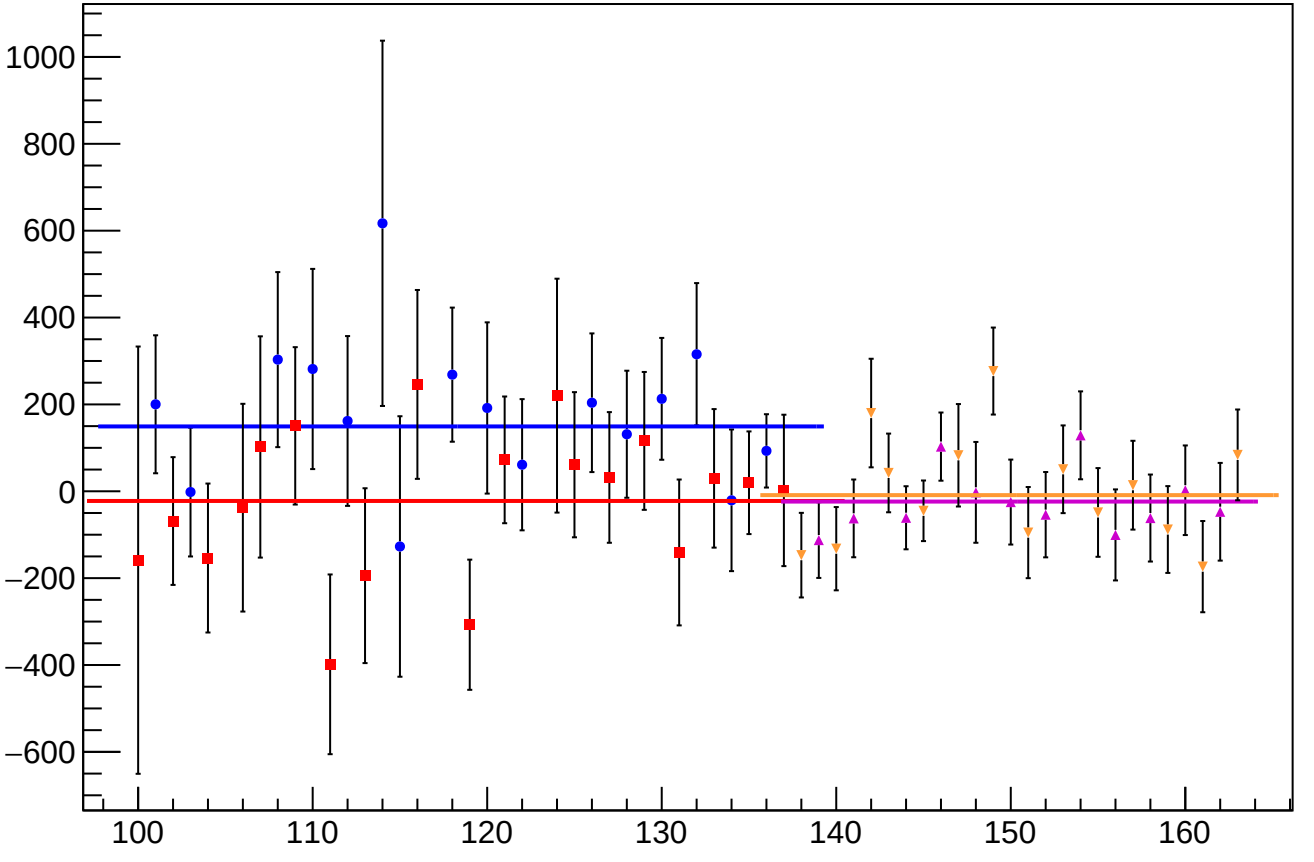
Left In: 488.841+/-0.109 χ^2/NDF:352617.3/11

+ sign 540.852+/-0.092 χ^2/NDF: 2413051.0/29

All: 542.082+/-0.066 χ^2/NDF: 4822792.6/60

- sign 543.368+/-0.095 χ^2/NDF: 2409379.9/30

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.878+/-26.353 χ^2/NDF:20.4/13

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

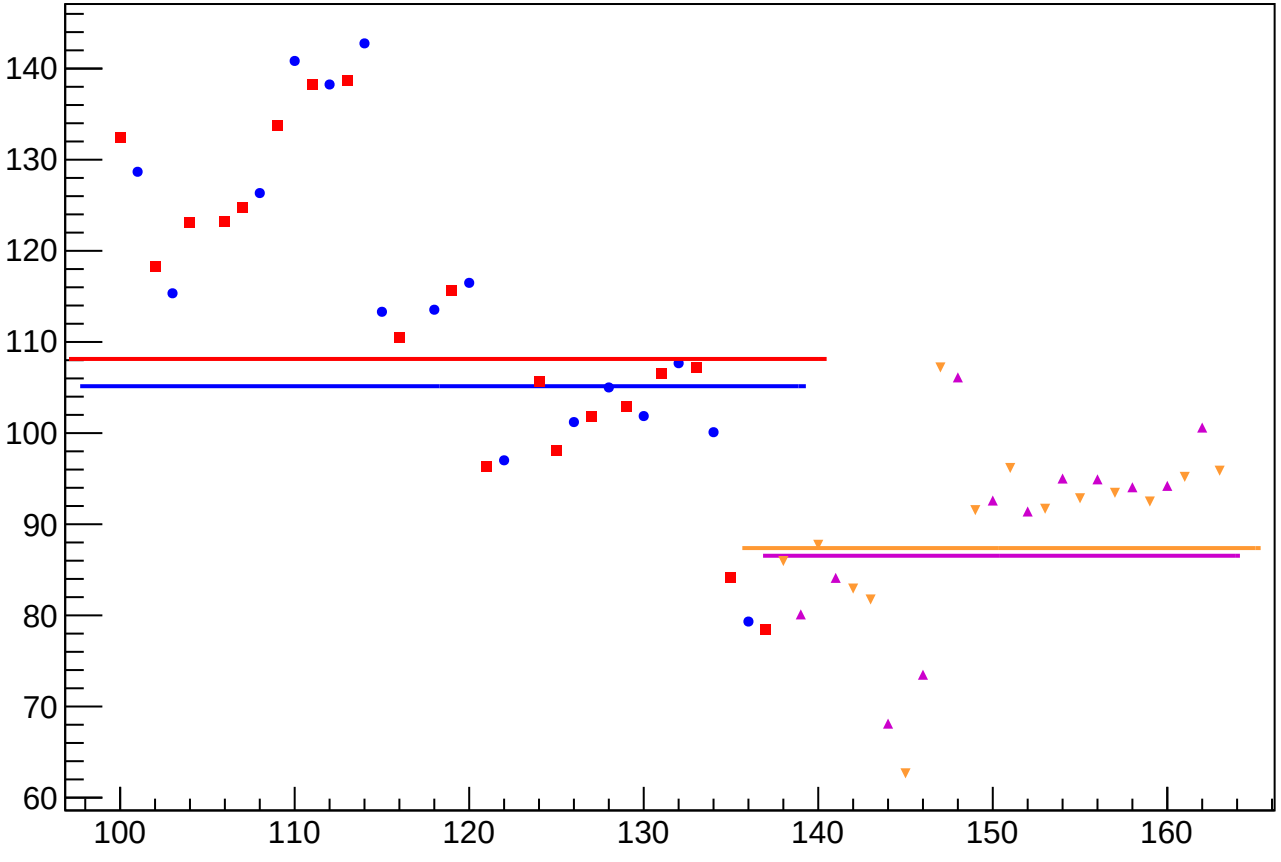
Left In: -23.700+/-27.194 χ^2/NDF:7.3/11

+ sign 39.524+/-21.954 χ^2/NDF: 39.4/29

All: 8.918+/-15.717 χ^2/NDF: 64.9/60

- sign -23.259+/-22.511 χ^2/NDF: 21.5/30

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

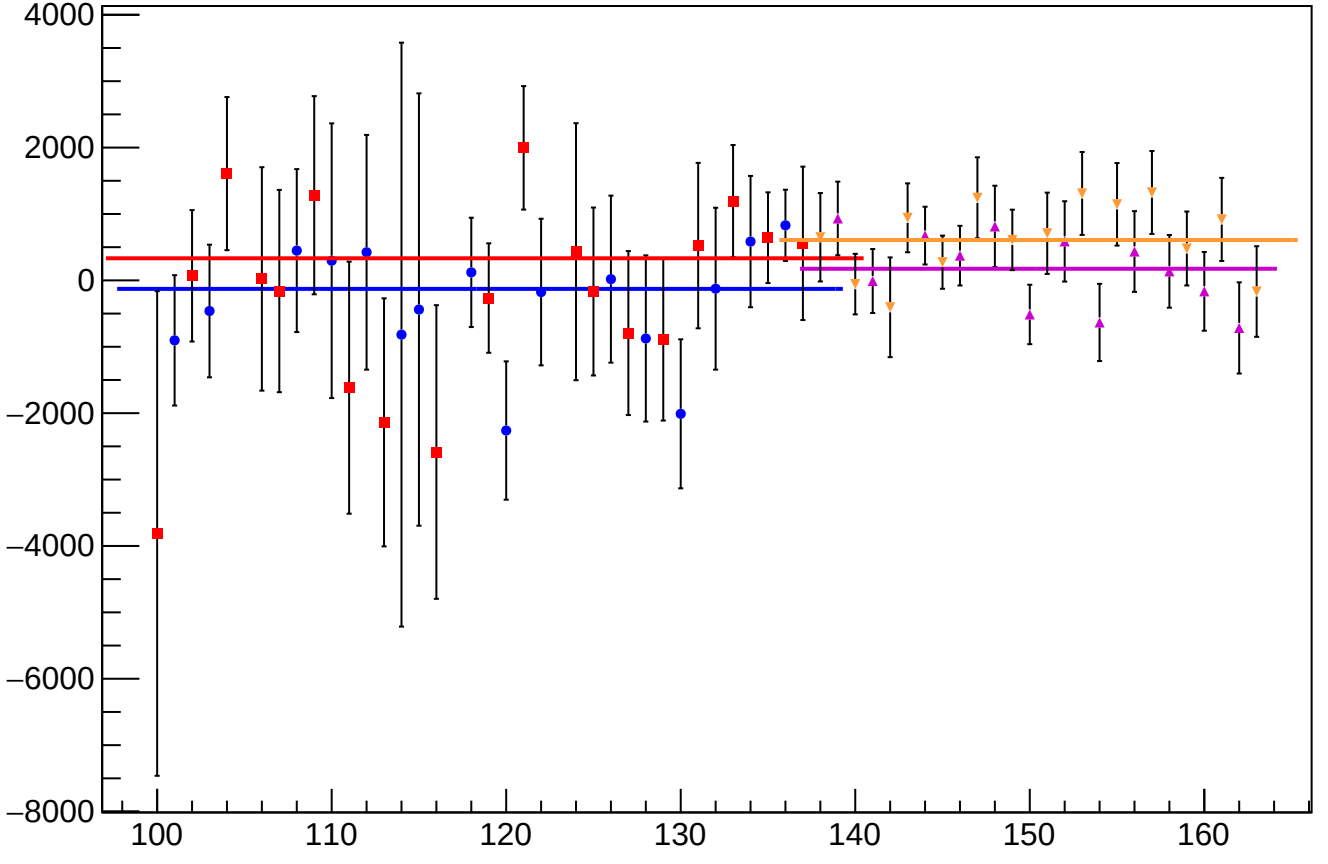
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.4/11

+ sign 92.819+/-0.016 χ^2/NDF: 1068111.5/29

All: 93.073+/-0.011 χ^2/NDF: 2158211.9/60

- sign 93.340+/-0.016 χ^2/NDF: 1089552.0/30



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 607.549+/-149.710 χ^2/NDF:11.1/13

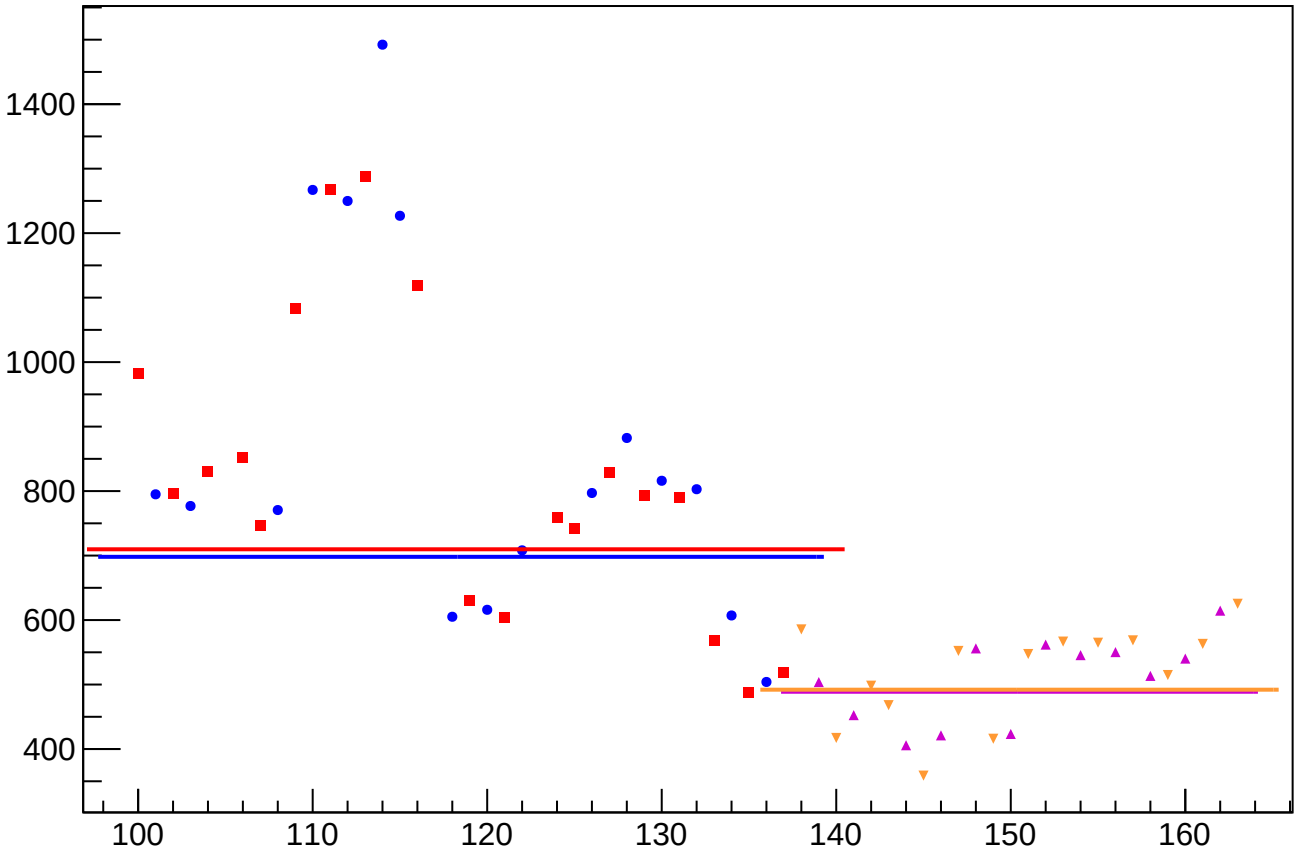
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 174.922+/-154.025 χ^2/NDF:11.6/11

+ sign 433.205+/-130.770 χ^2/NDF: 29.1/29

All: 325.926+/-93.551 χ^2/NDF: 57.0/60

- sign 213.472+/-133.888 χ^2/NDF: 26.5/30



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

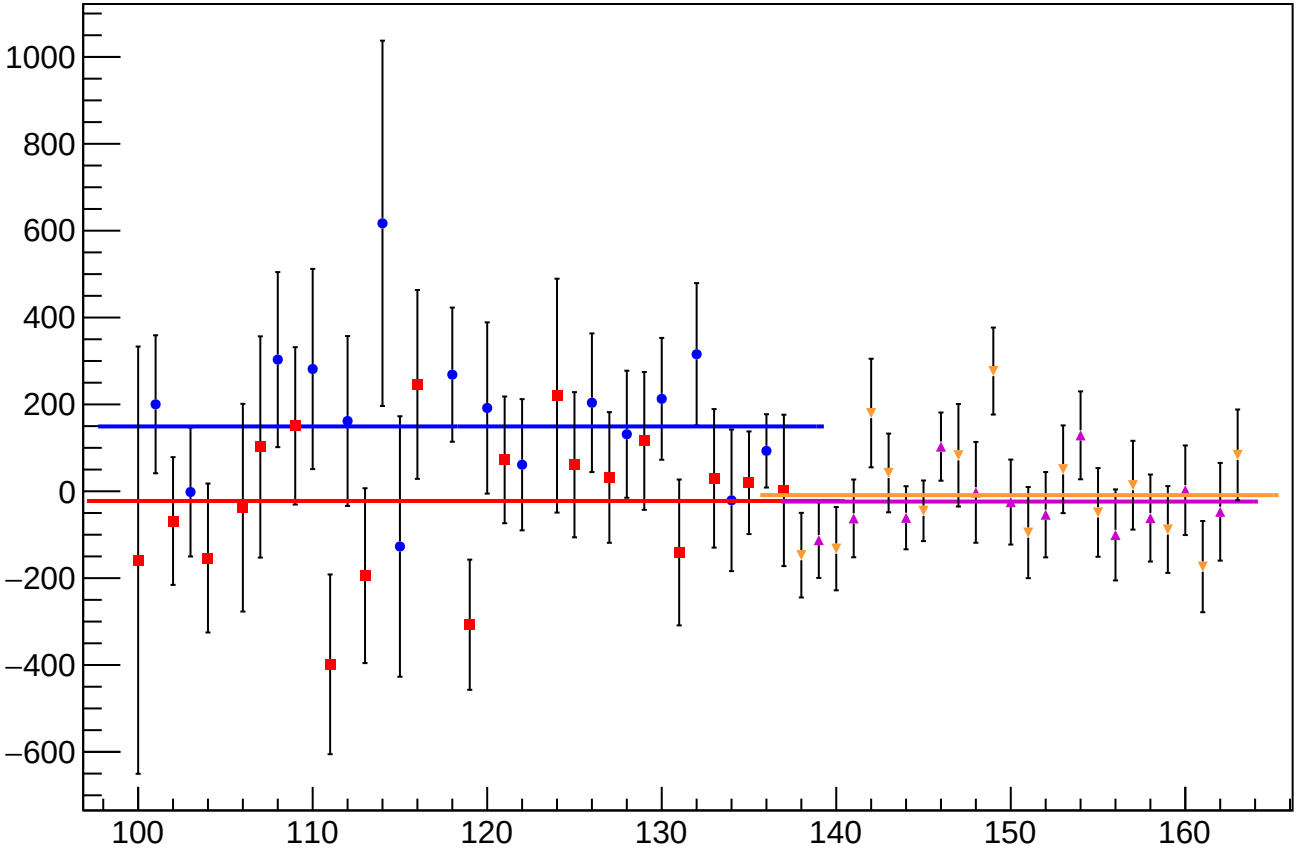
Left In: 488.841+/-0.109 χ^2/NDF:352616.5/11

+ sign 540.853+/-0.092 χ^2/NDF: 2413063.5/29

All: 541.817+/-0.066 χ^2/NDF: 4798421.4/60

- sign 542.827+/-0.095 χ^2/NDF: 2385135.3/30

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.878+/-26.353 χ^2/NDF:20.4/13

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

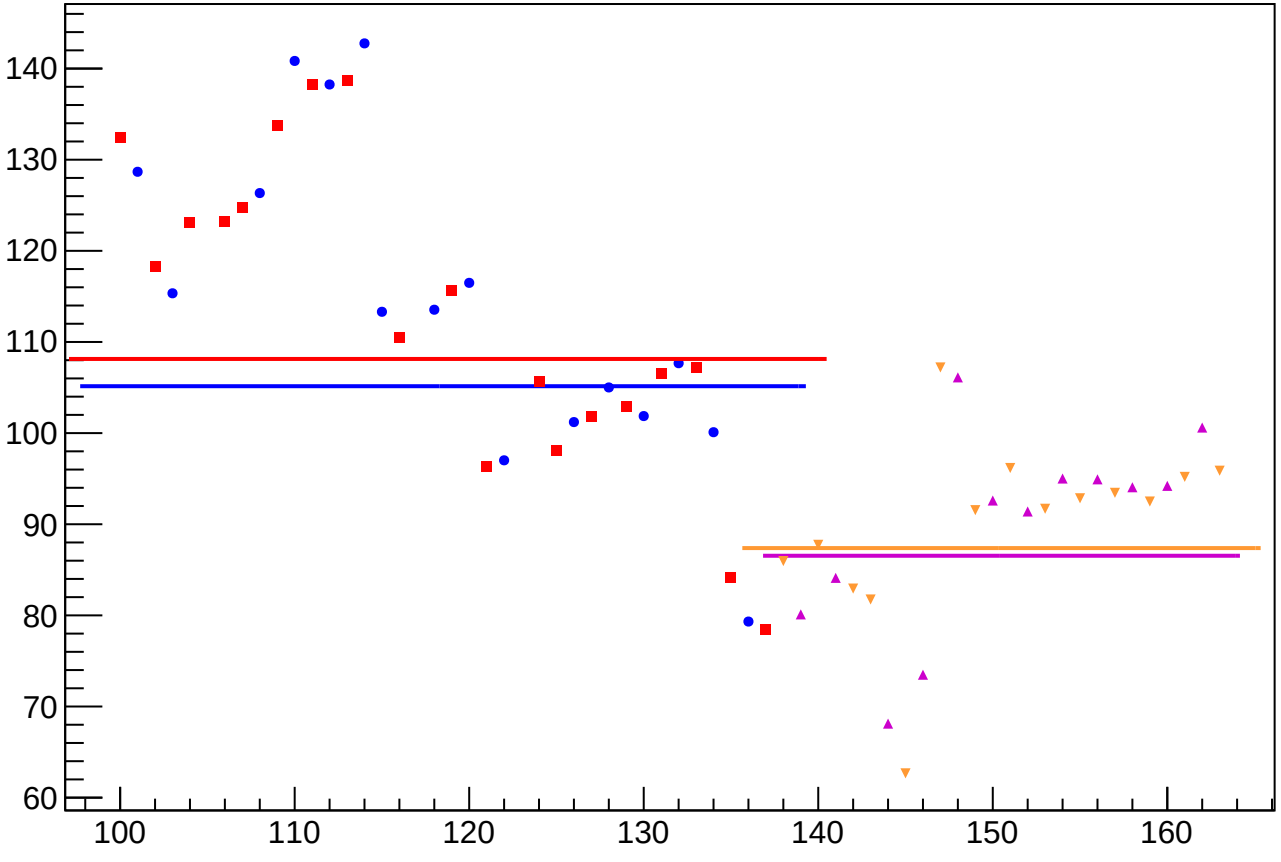
Left In: -23.700+/-27.194 χ^2/NDF:7.3/11

+ sign 39.524+/-21.954 χ^2/NDF: 39.4/29

All: 8.918+/-15.717 χ^2/NDF: 64.9/60

- sign -23.259+/-22.511 χ^2/NDF: 21.5/30

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

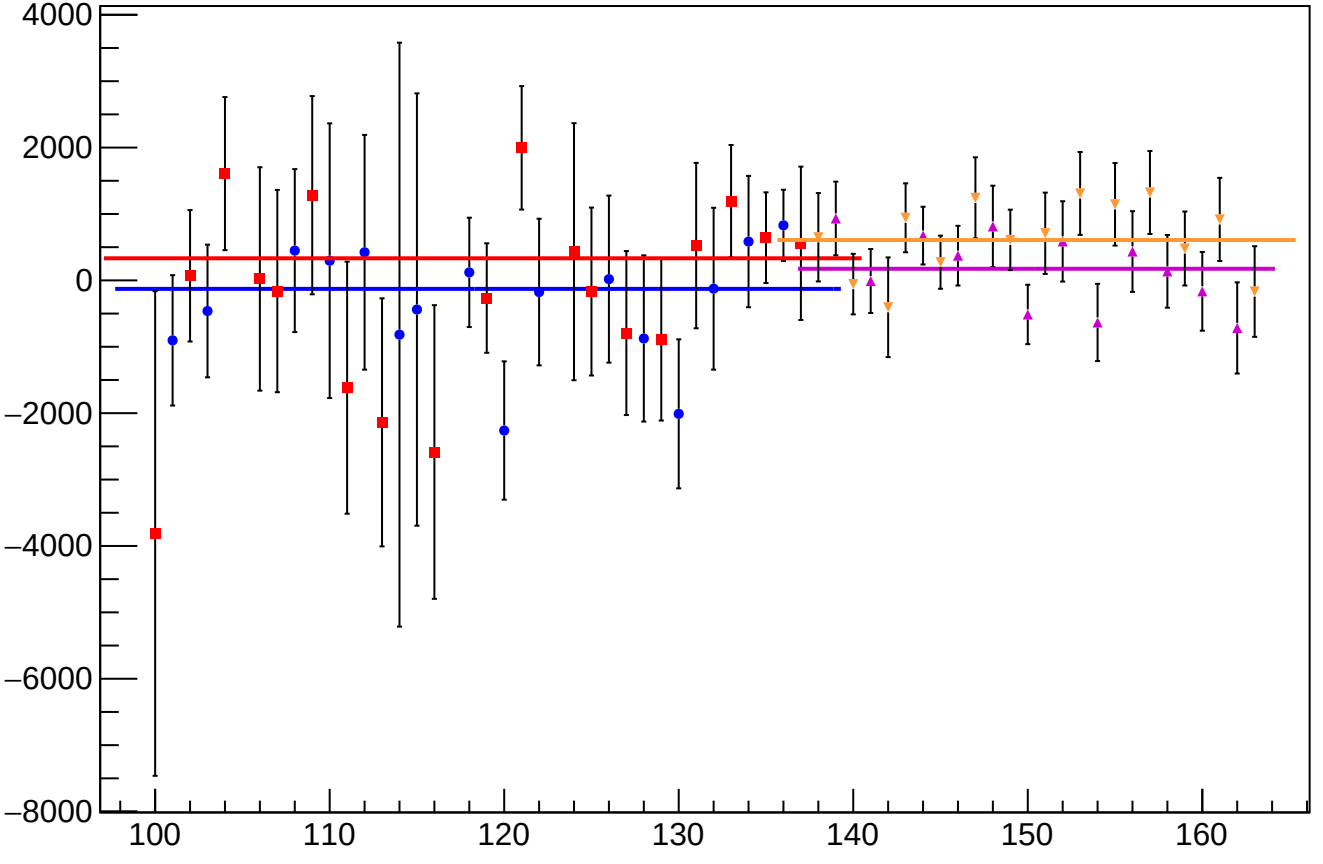
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.4/11

+ sign 92.819+/-0.016 χ^2/NDF: 1068111.5/29

All: 93.073+/-0.011 χ^2/NDF: 2158211.9/60

- sign 93.340+/-0.016 χ^2/NDF: 1089552.0/30



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 607.549+/-149.710 χ^2/NDF:11.1/13

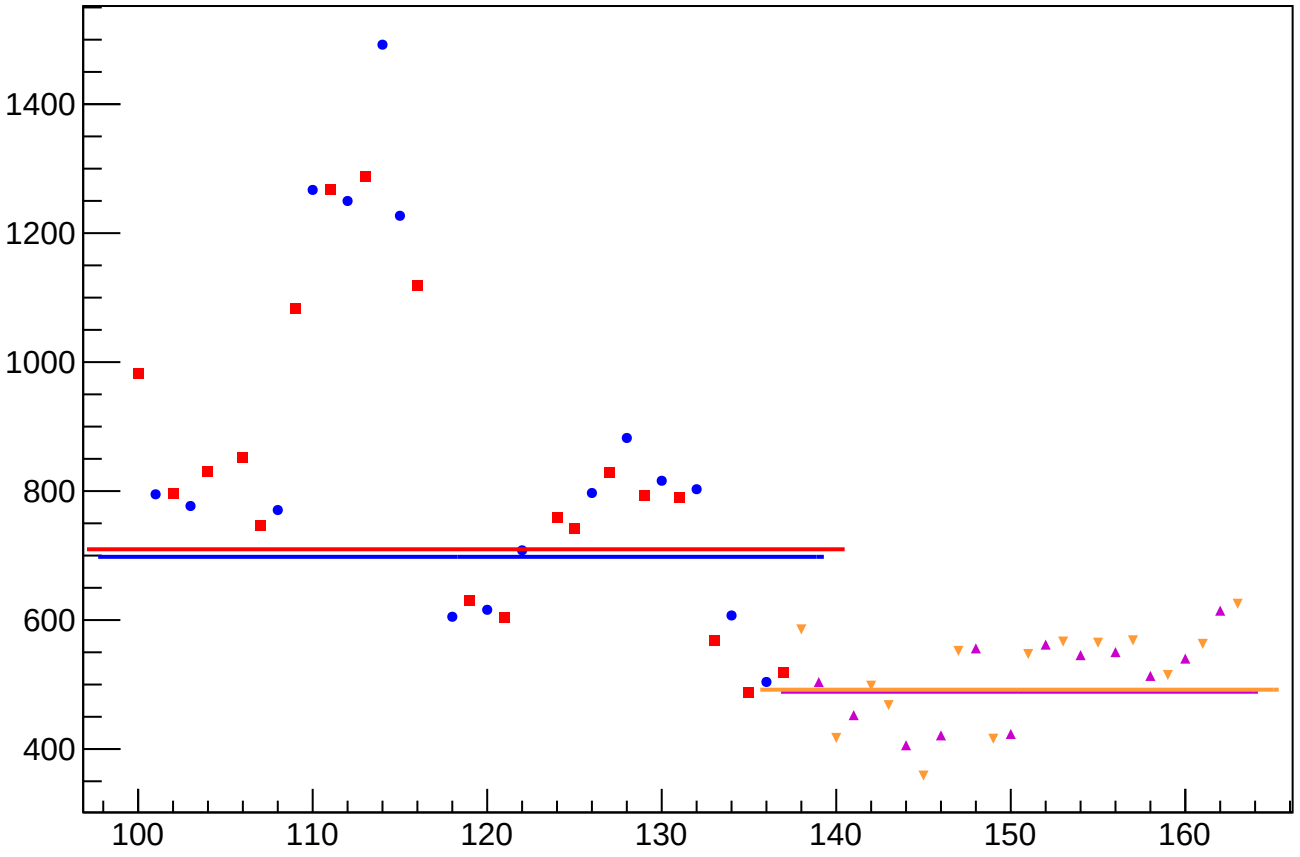
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 174.922+/-154.025 χ^2/NDF:11.6/11

+ sign 433.205+/-130.770 χ^2/NDF: 29.1/29

All: 325.926+/-93.551 χ^2/NDF: 57.0/60

- sign 213.472+/-133.888 χ^2/NDF: 26.5/30



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

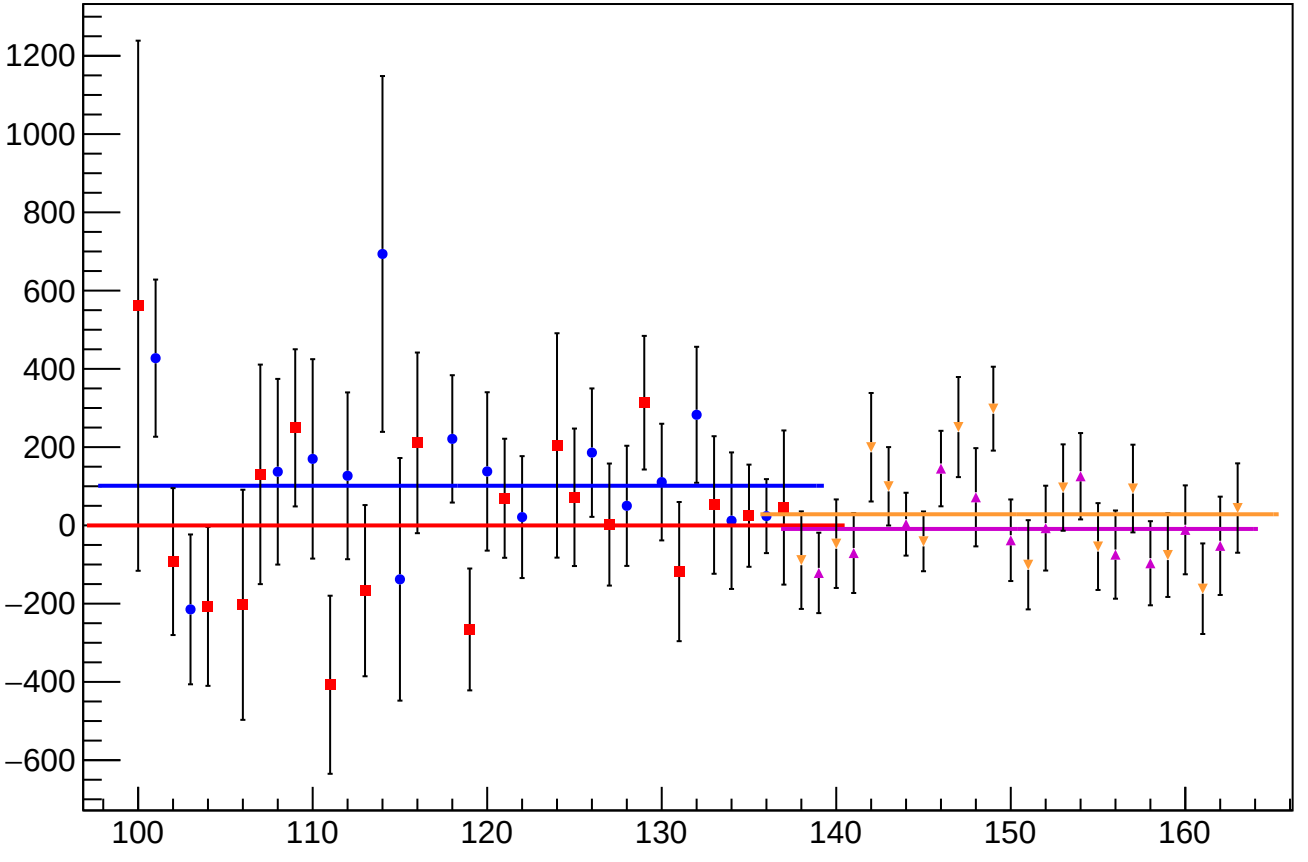
Left In: 488.841+/-0.109 χ^2/NDF:352616.5/11

+ sign 540.853+/-0.092 χ^2/NDF: 2413063.5/29

All: 541.817+/-0.066 χ^2/NDF: 4798421.4/60

- sign 542.827+/-0.095 χ^2/NDF: 2385135.3/30

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.422+/-29.212 χ^2/NDF:19.8/13

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

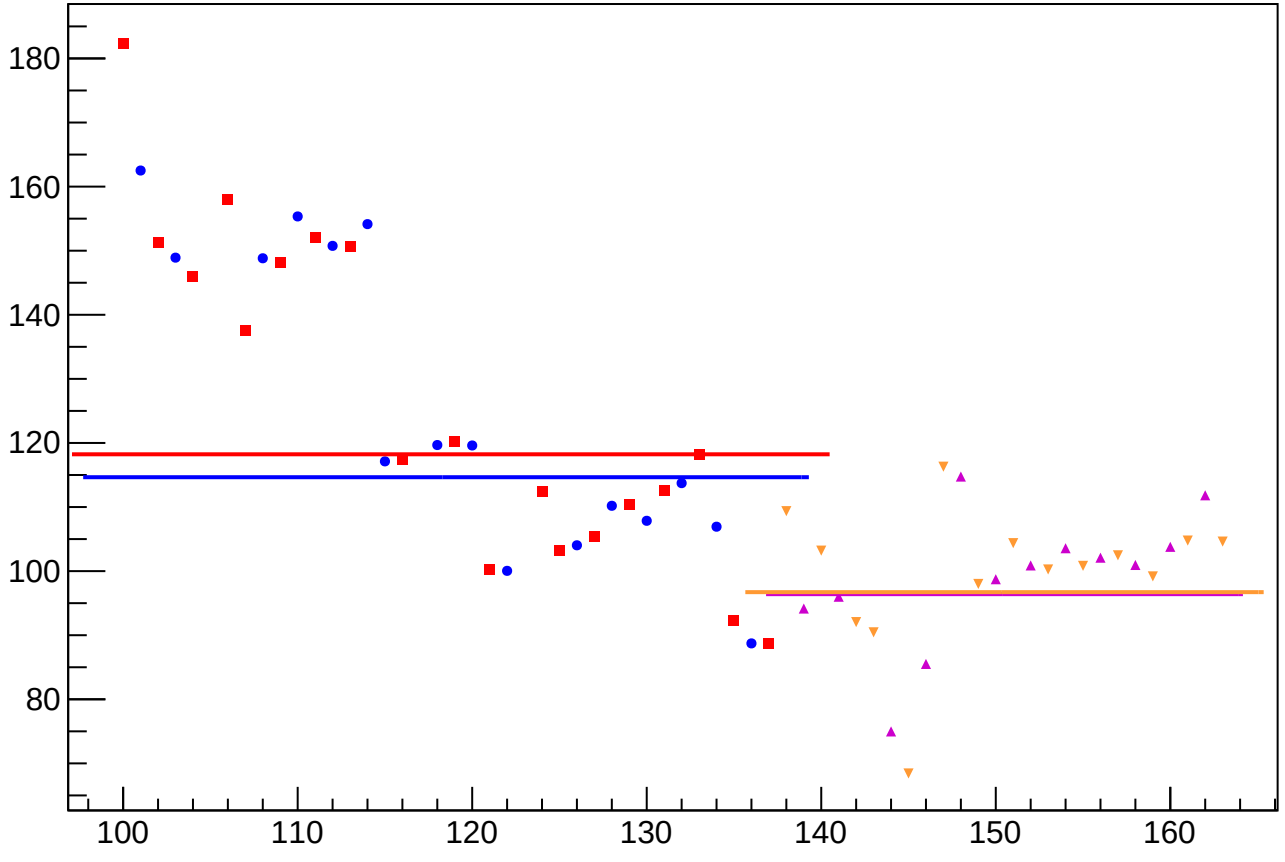
Left In: -9.087+/-30.403 χ^2/NDF:7.2/11

+ sign 51.059+/-24.253 χ^2/NDF: 32.7/29

All: 23.323+/-17.414 χ^2/NDF: 59.3/60

- sign -6.194+/-25.019 χ^2/NDF: 23.9/30

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.720+/-0.021 χ^2/NDF:398014.4/13

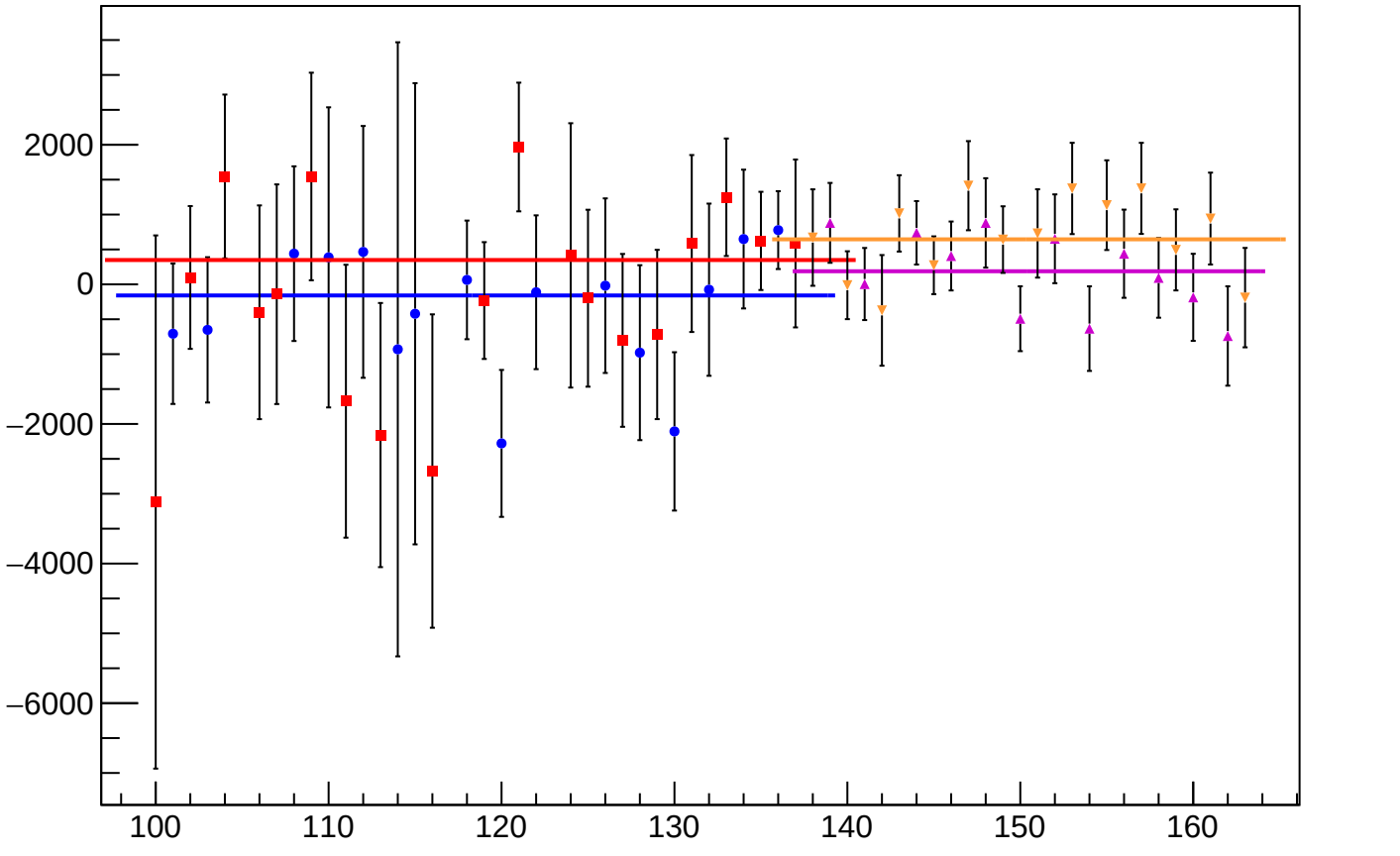
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.406+/-0.021 χ^2/NDF:271583.1/11

+ sign 102.292+/-0.017 χ^2/NDF: 1164228.2/29

All: 102.854+/-0.012 χ^2/NDF: 2254106.7/60

- sign 103.452+/-0.018 χ^2/NDF: 1087664.7/30



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.023+/-156.558 χ^2/NDF:10.9/13

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

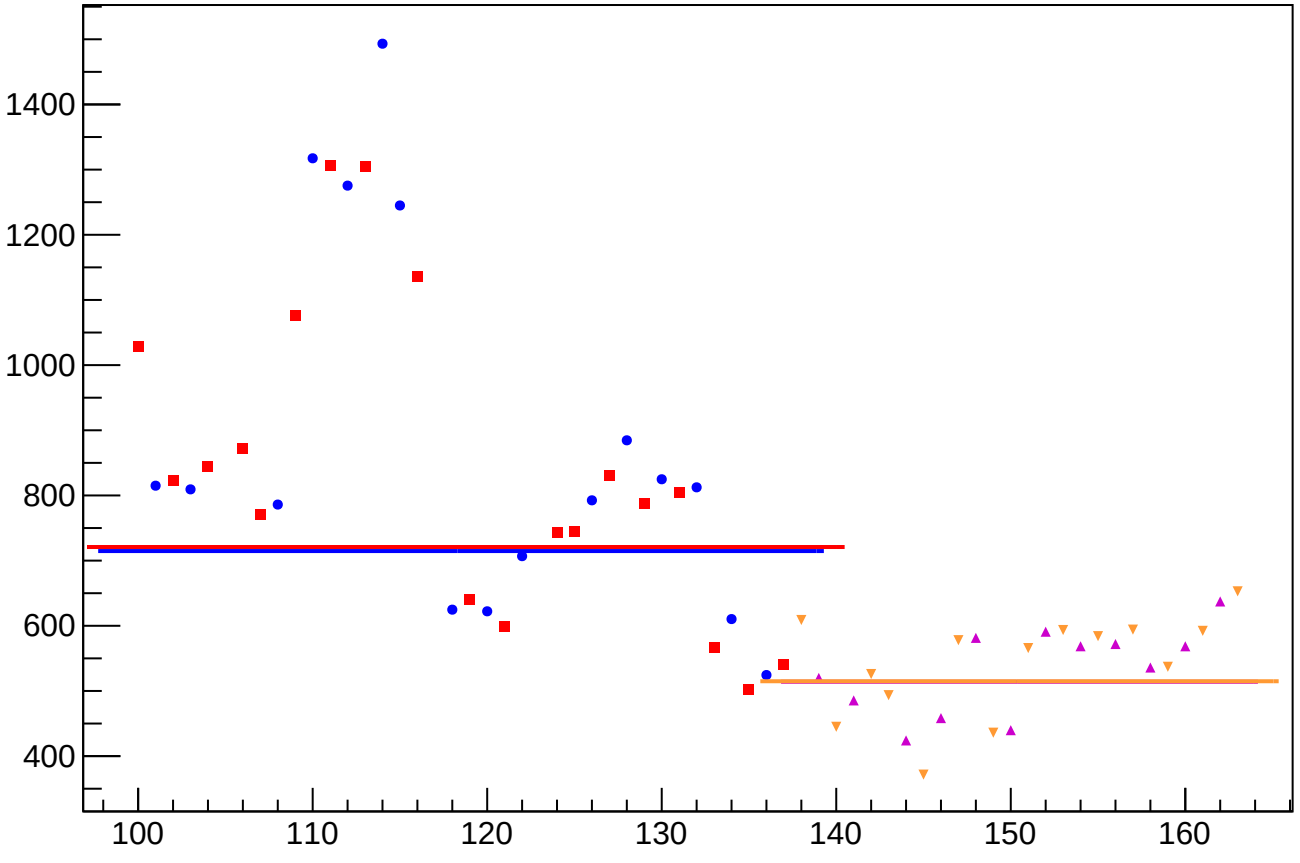
Left In: 187.645+/-161.948 χ^2/NDF:11.2/11

+ sign 447.715+/-136.001 χ^2/NDF: 29.4/29

All: 341.217+/-97.334 χ^2/NDF: 56.4/60

- sign 229.389+/-139.363 χ^2/NDF: 25.8/30

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.896+/-0.111 χ^2/NDF:595900.5/13

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

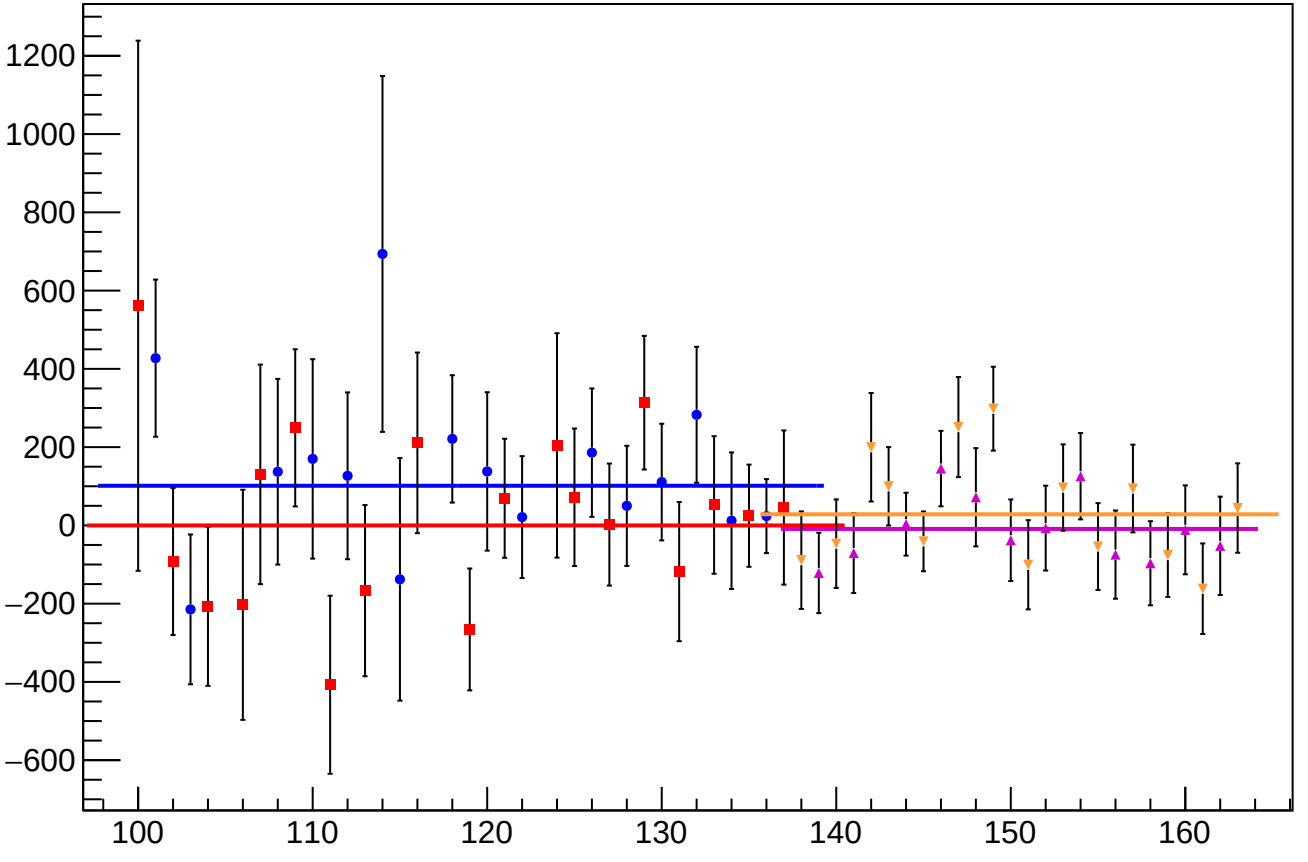
Left In: 514.107+/-0.115 χ^2/NDF:323932.9/11

+ sign 563.913+/-0.096 χ^2/NDF: 2271138.9/29

All: 565.789+/-0.069 χ^2/NDF: 4460276.4/60

- sign 567.759+/-0.099 χ^2/NDF: 2188357.6/30

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.421+/-29.212 χ^2/NDF:19.8/13

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

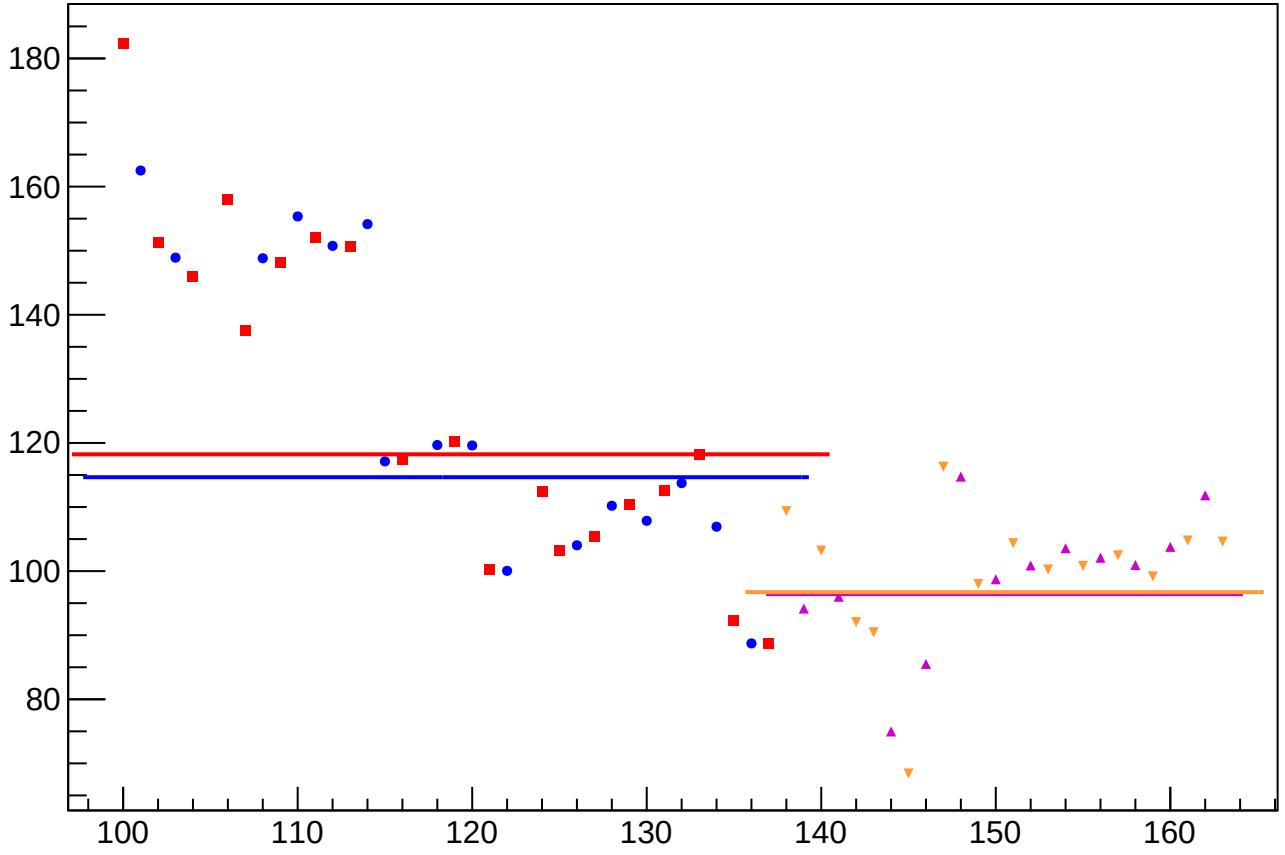
Left In: -9.086+/-30.403 χ^2/NDF:7.2/11

+ sign 51.058+/-24.253 χ^2/NDF: 32.7/29

All: 23.323+/-17.414 χ^2/NDF: 59.3/60

- sign -6.193+/-25.019 χ^2/NDF: 23.9/30

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.720+/-0.021 χ^2/NDF:398019.7/13

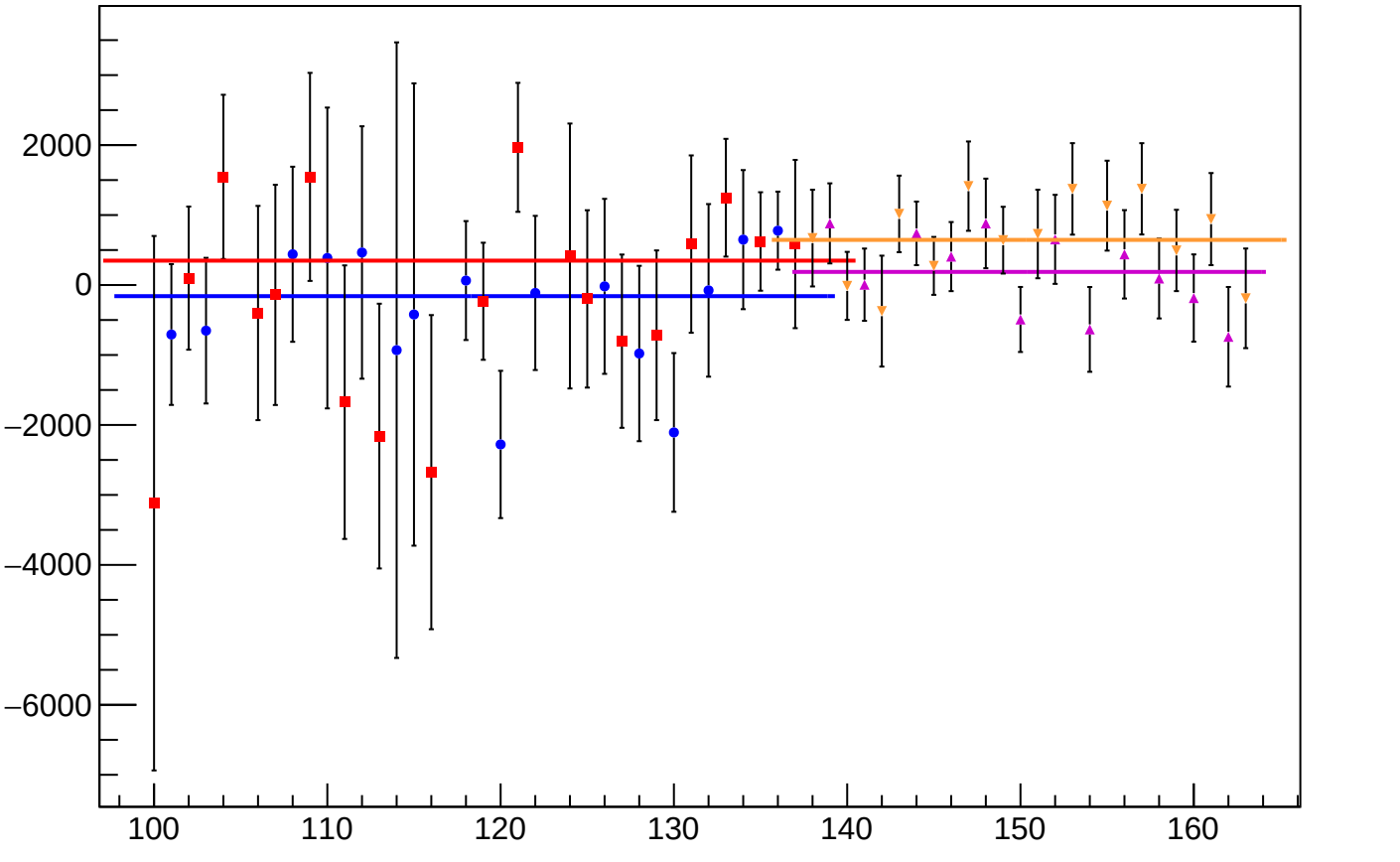
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.406+/-0.021 χ^2/NDF:271584.2/11

+ sign 102.292+/-0.017 χ^2/NDF: 1164223.6/29

All: 102.854+/-0.012 χ^2/NDF: 2254093.8/60

- sign 103.452+/-0.018 χ^2/NDF: 1087656.3/30



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.022+/-156.558 χ^2/NDF:10.9/13

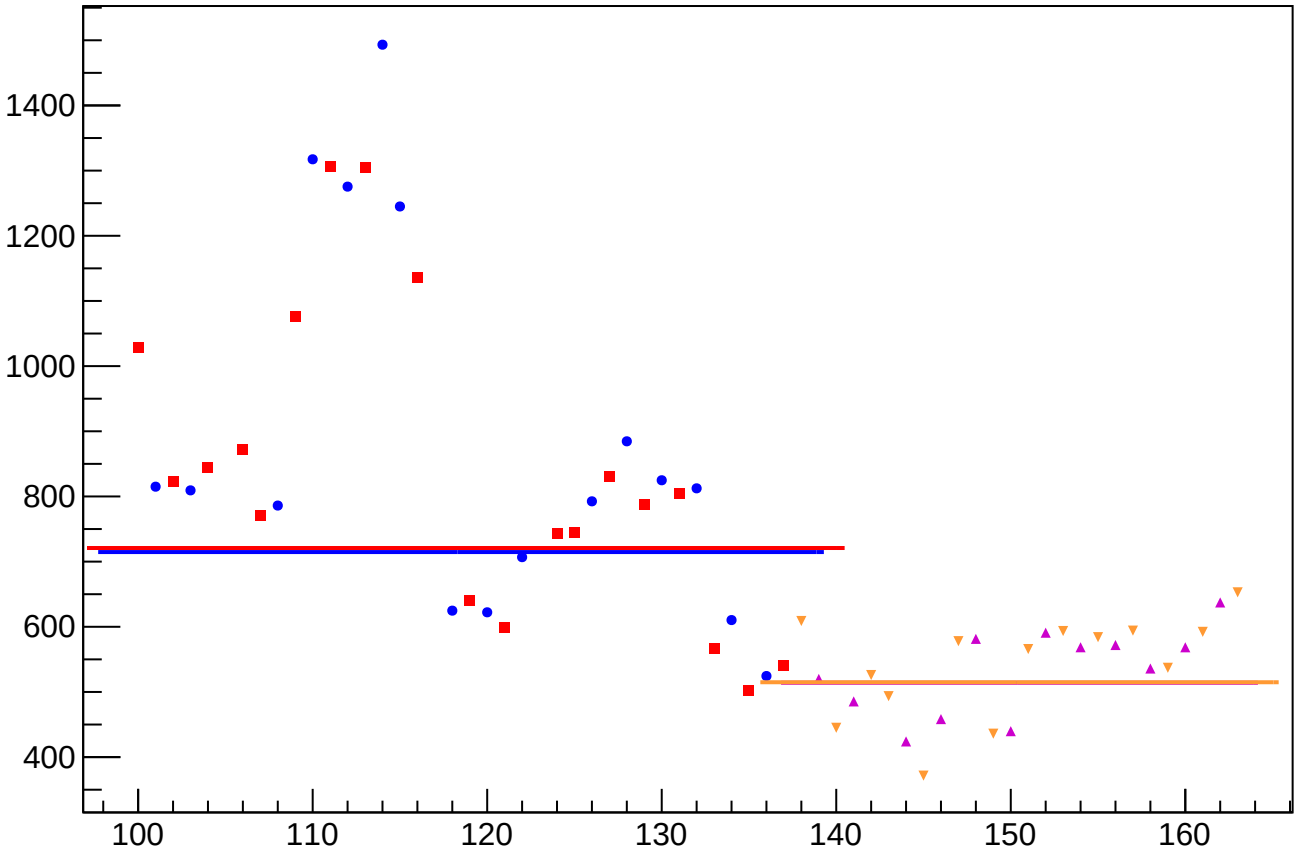
Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: 187.645+/-161.948 χ^2/NDF:11.2/11

+ sign 447.714+/-136.001 χ^2/NDF: 29.4/29

All: 341.217+/-97.334 χ^2/NDF: 56.4/60

- sign 229.389+/-139.363 χ^2/NDF: 25.8/30



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 514.897+/-0.111 χ^2/NDF:595901.6/13

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

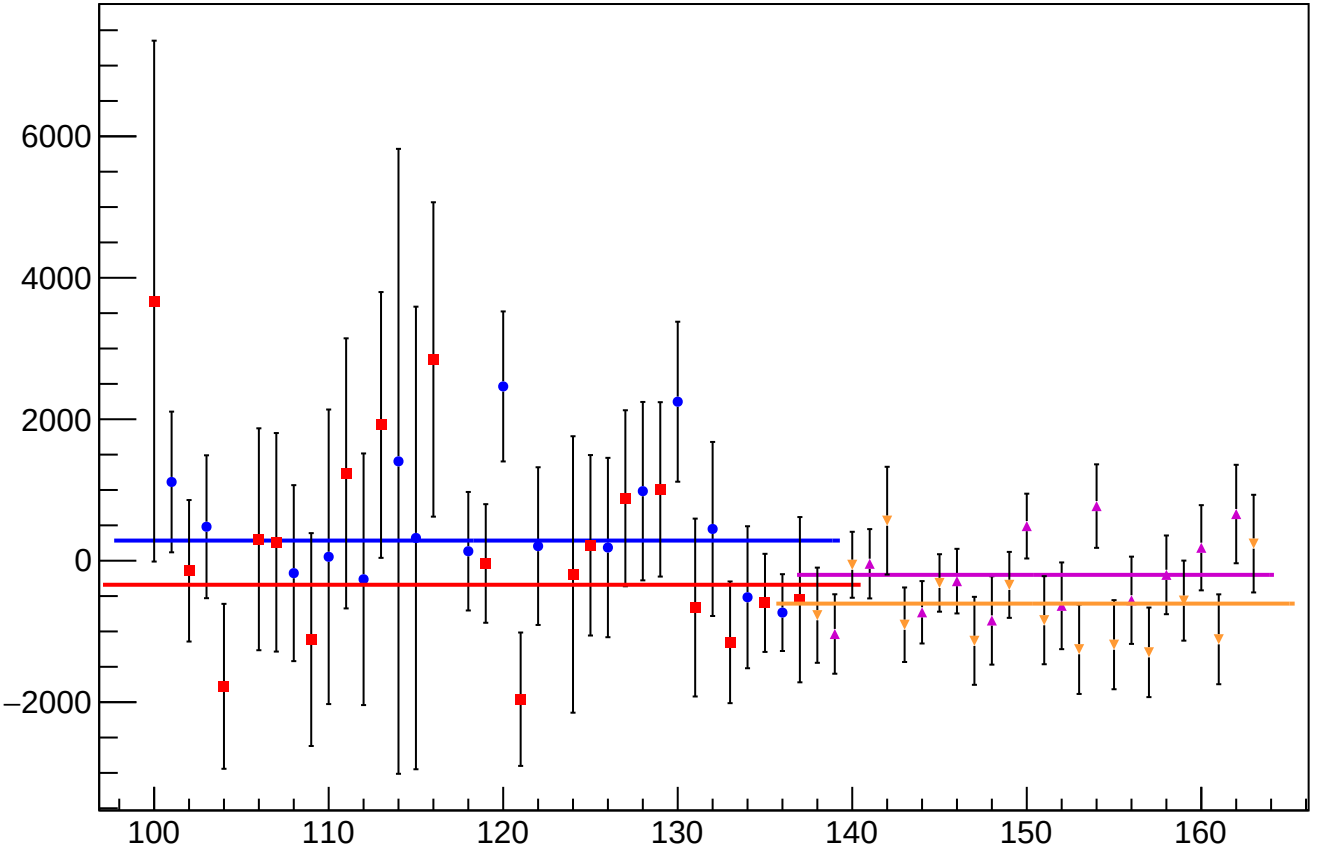
Left In: 514.107+/-0.115 χ^2/NDF:323931.0/11

+ sign 563.914+/-0.096 χ^2/NDF: 2271133.7/29

All: 565.789+/-0.069 χ^2/NDF: 4460258.9/60

- sign 567.759+/-0.099 χ^2/NDF: 2188345.2/30

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -606.557+/-152.198 χ^2/NDF:11.1/13

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

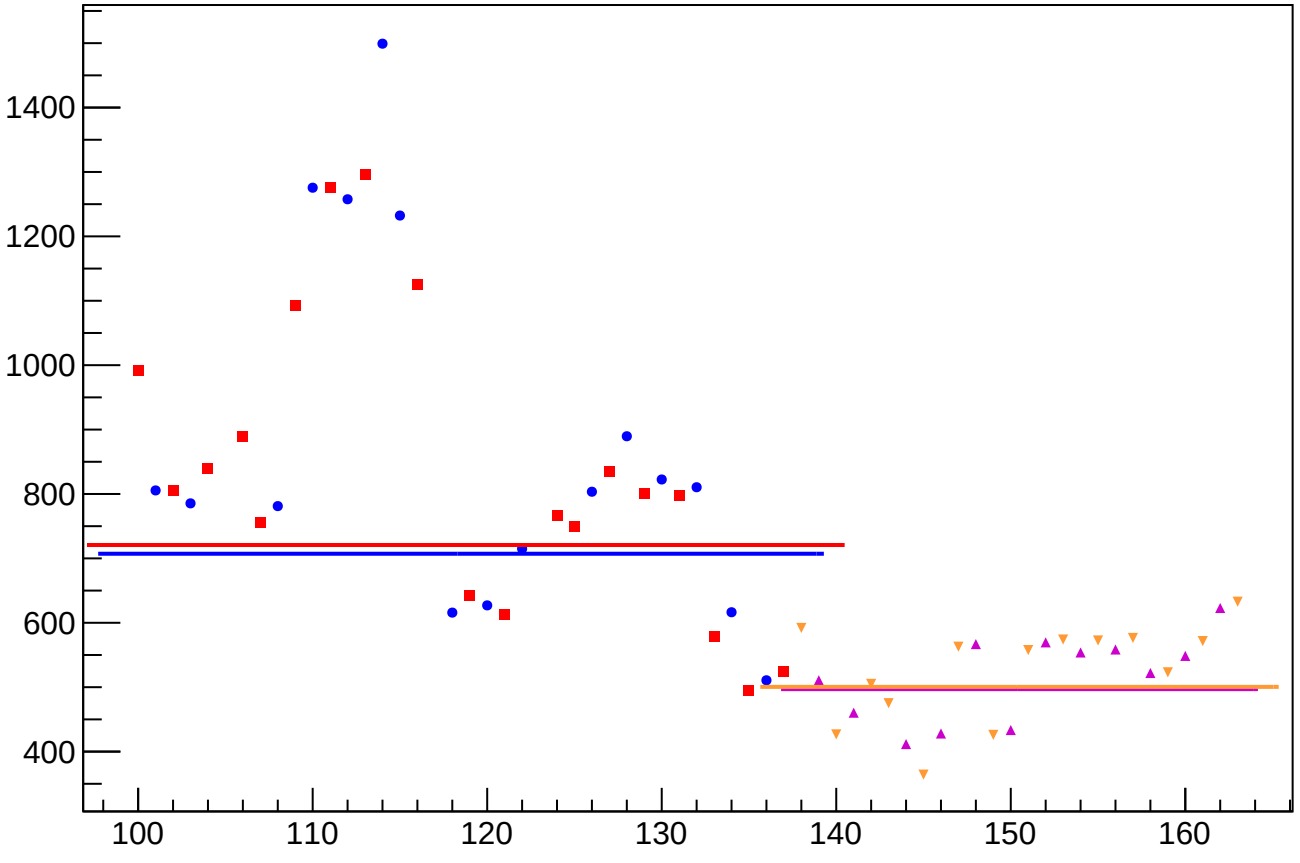
Left In: -199.916+/-156.550 χ^2/NDF:12.6/11

+ sign -393.959+/-132.812 χ^2/NDF: 32.0/29

All: -316.036+/-94.978 χ^2/NDF: 59.6/60

- sign -234.471+/-135.879 χ^2/NDF: 26.9/30

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 500.481+/-0.108 χ^2/NDF:588391.4/13

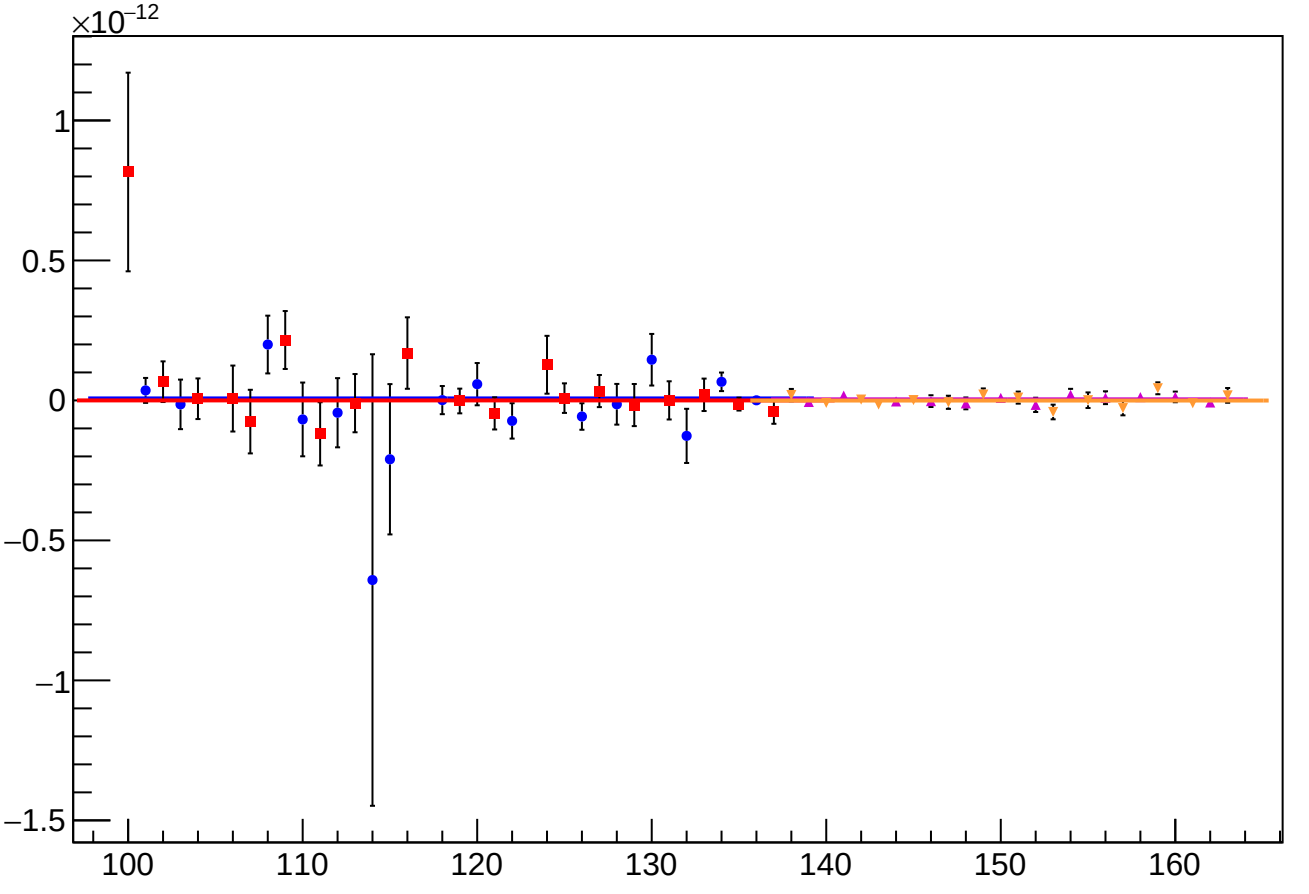
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 497.009+/-0.111 χ^2/NDF:346975.2/11

+ sign 549.789+/-0.094 χ^2/NDF: 2365177.2/29

All: 550.967+/-0.067 χ^2/NDF: 4735590.0/60

- sign 552.201+/-0.096 χ^2/NDF: 2370090.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/13

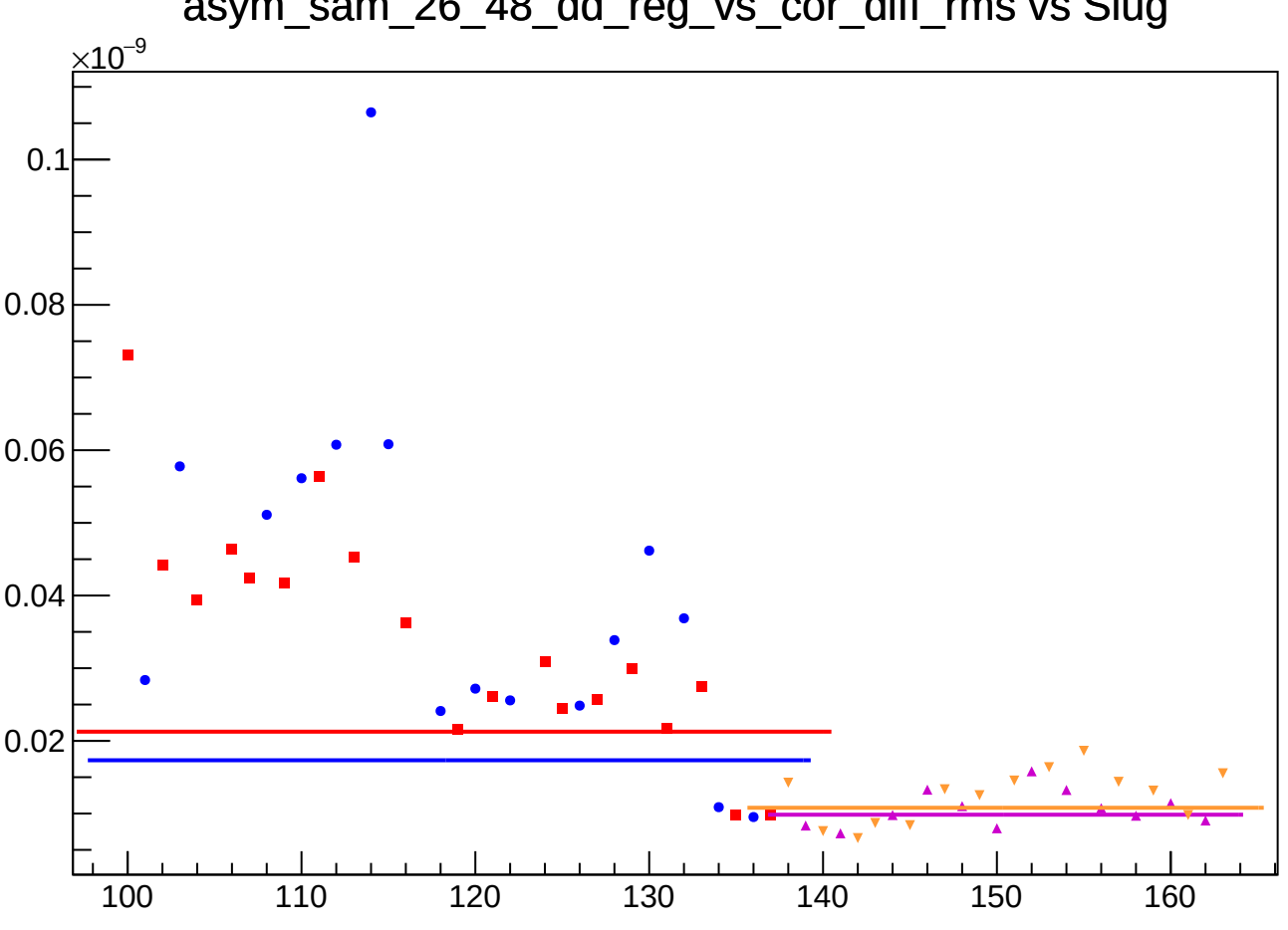
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/29

All: 0.000+/-0.000 χ^2/NDF: 52.0/60

- sign 0.000+/-0.000 χ^2/NDF: 22.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:871809.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

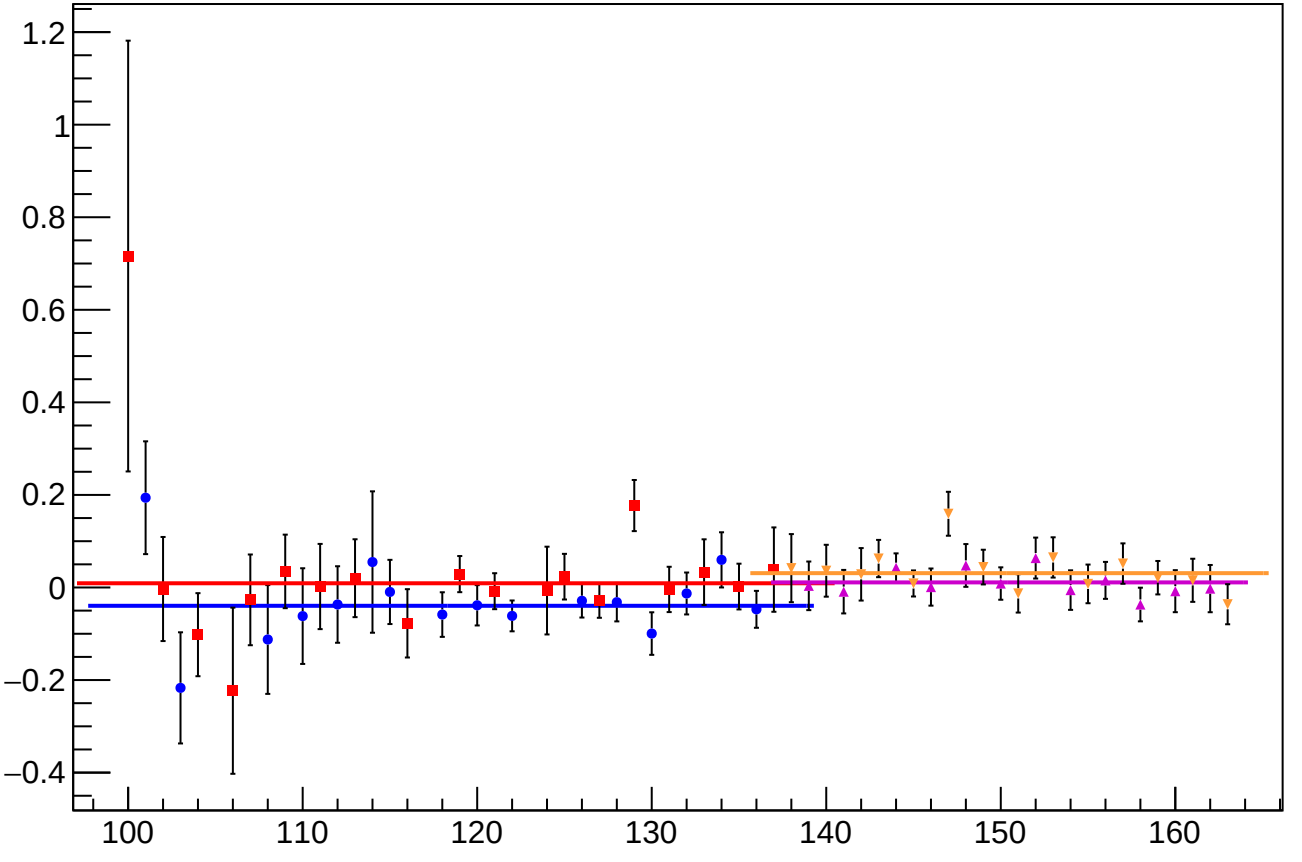
Left In: 0.000+/-0.000 χ^2/NDF:366738.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 3782875.1/29

All: 0.000+/-0.000 χ^2/NDF: 7113268.6/60

- sign 0.000+/-0.000 χ^2/NDF: 3312952.9/30

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: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

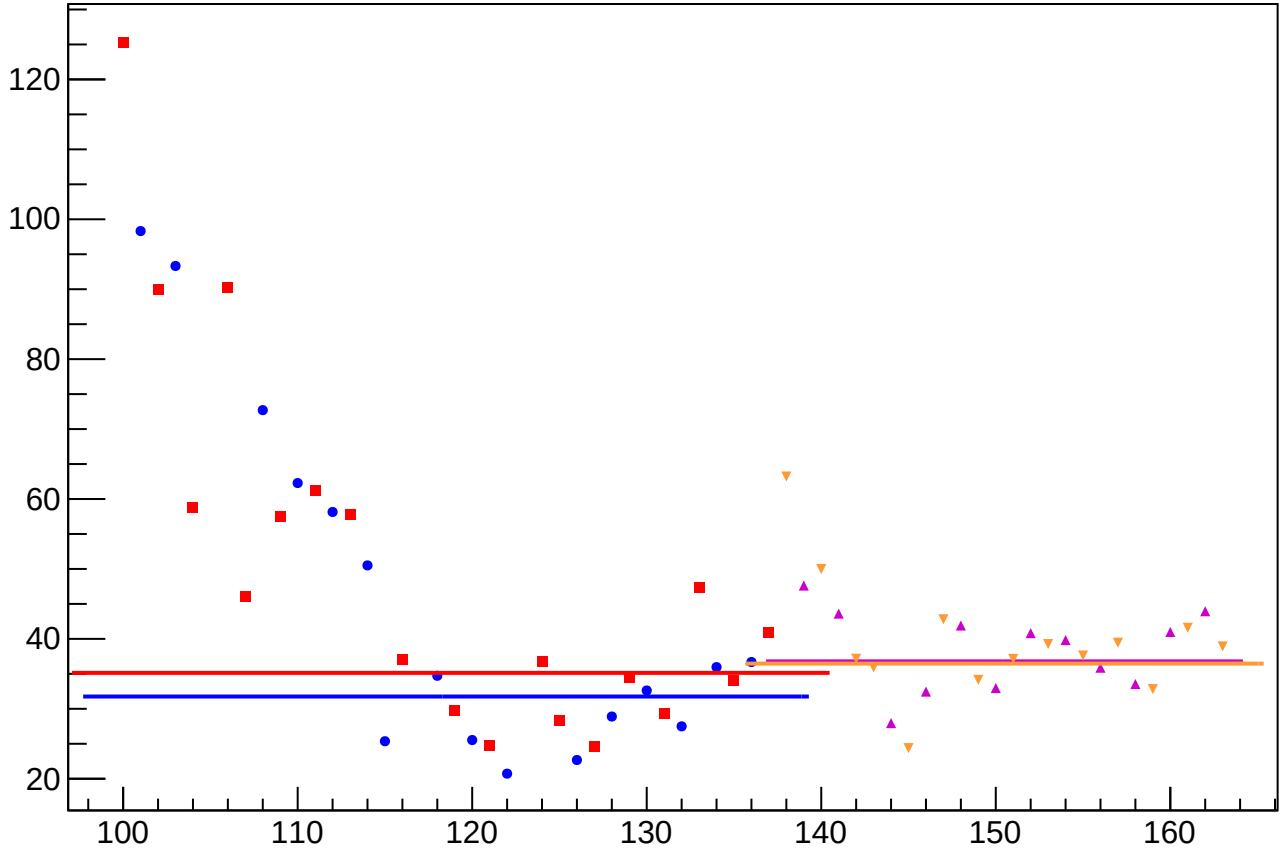
Left In: 0.011+/-0.012 χ^2/NDF:5.5/11

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/60

- sign 0.010+/-0.009 χ^2/NDF: 23.8/30

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: 36.464+/-0.008 χ^2/NDF:864000.8/13

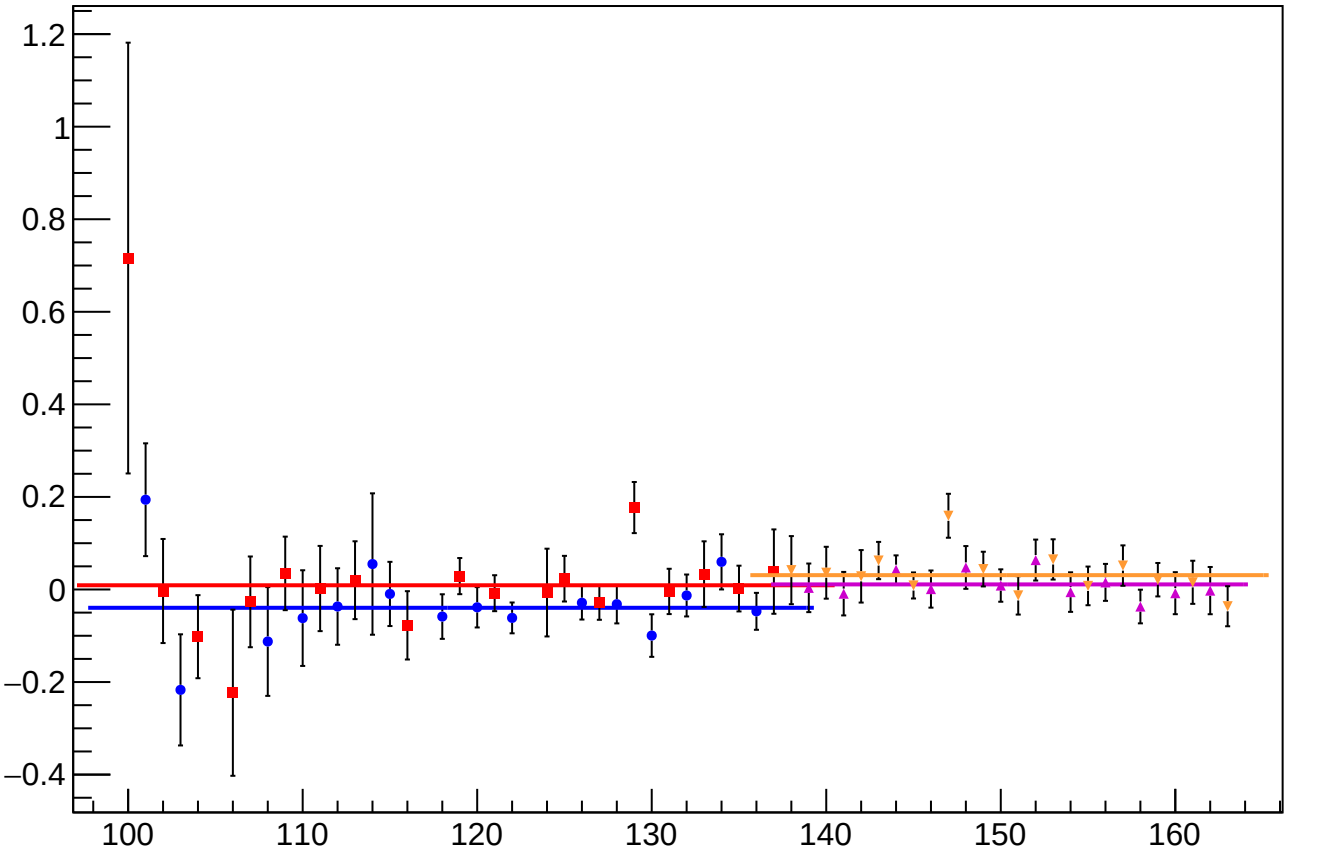
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460744.9/11

+ sign 34.464+/-0.006 χ^2/NDF: 3263666.7/29

All: 35.235+/-0.004 χ^2/NDF: 5619216.0/60

- sign 36.104+/-0.006 χ^2/NDF: 2321217.7/30



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

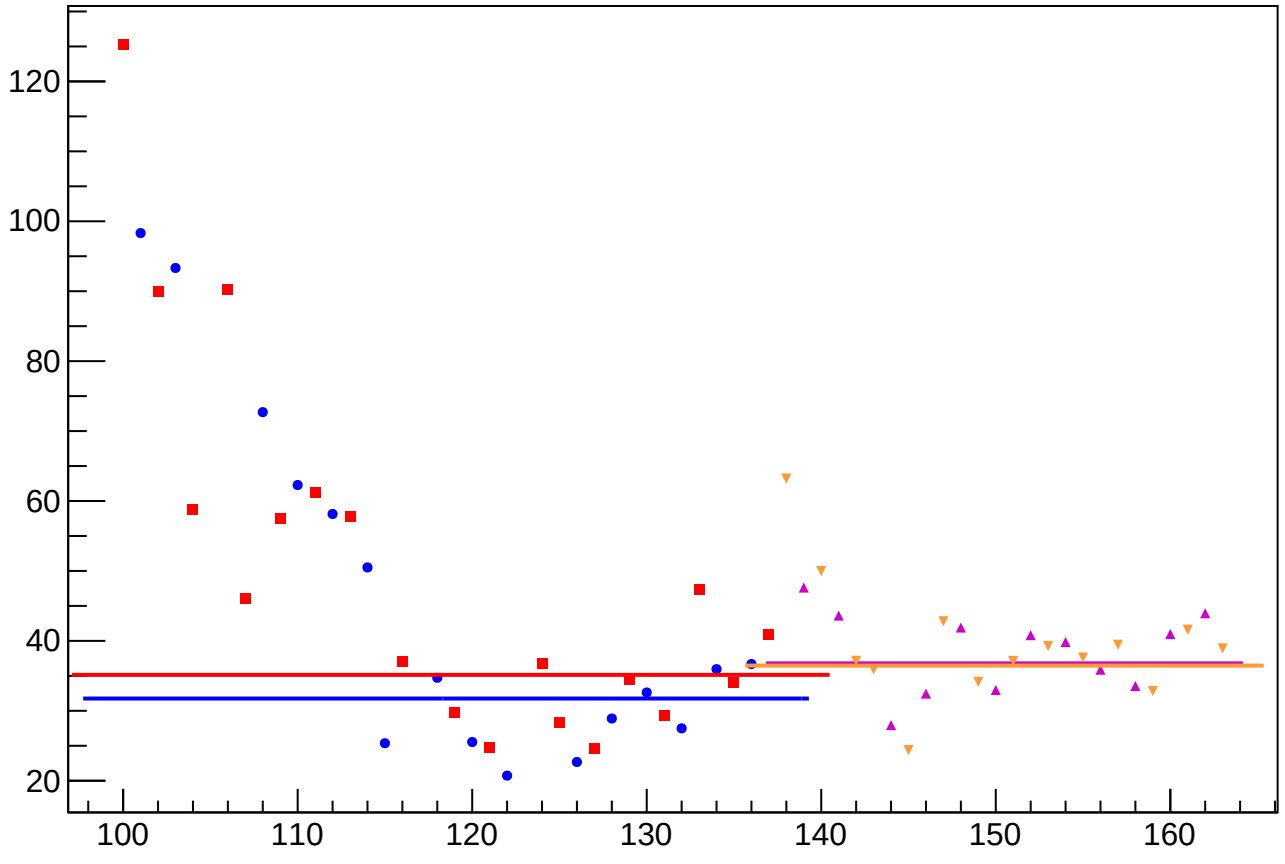
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.012 χ^2/NDF:5.5/11

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/60

- sign 0.010+/-0.009 χ^2/NDF: 23.8/30



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.464+/-0.008 χ^2/NDF:864000.8/13

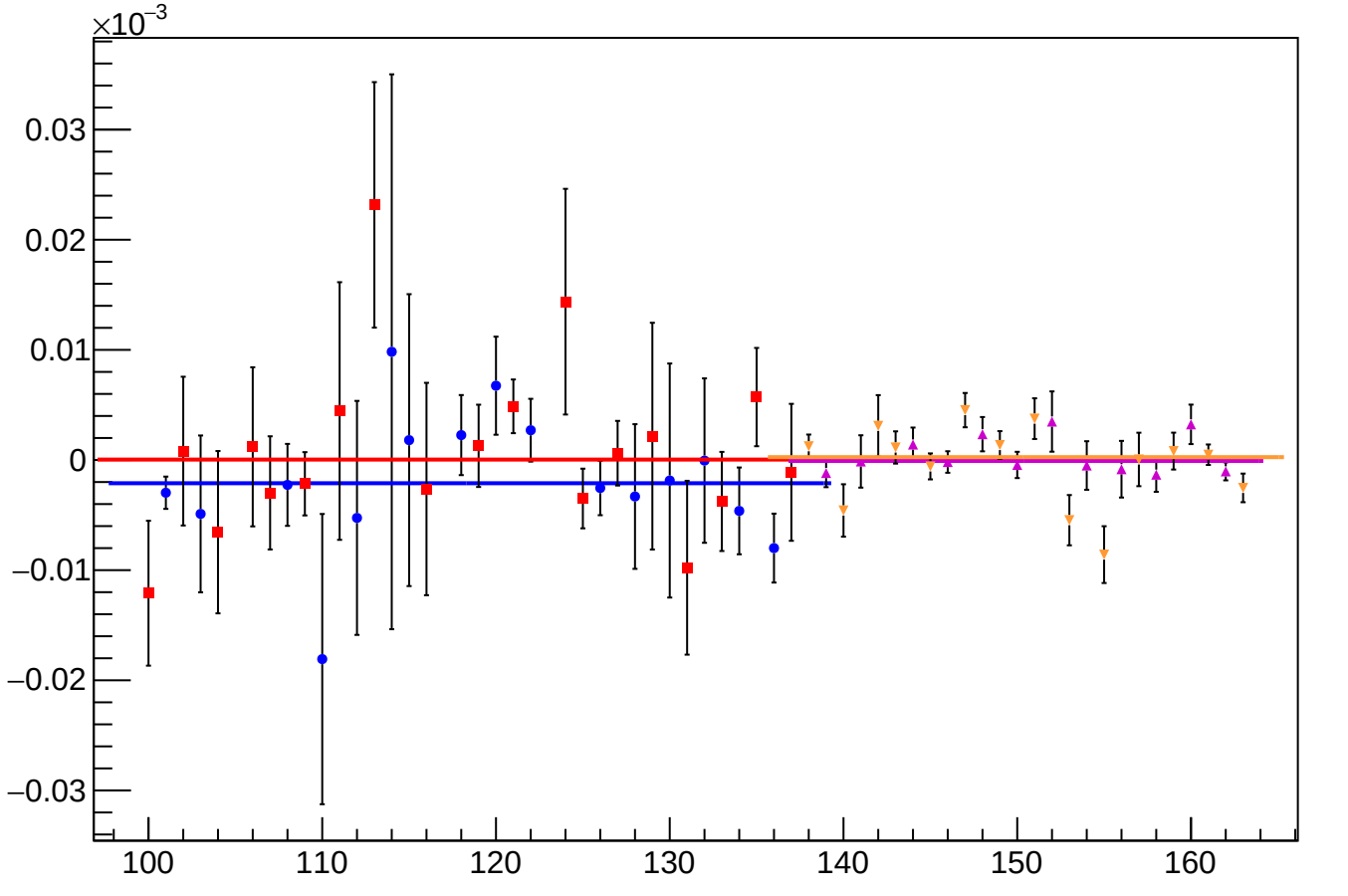
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460744.9/11

+ sign 34.464+/-0.006 χ^2/NDF: 3263666.7/29

All: 35.235+/-0.004 χ^2/NDF: 5619216.0/60

- sign 36.104+/-0.006 χ^2/NDF: 2321217.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/13

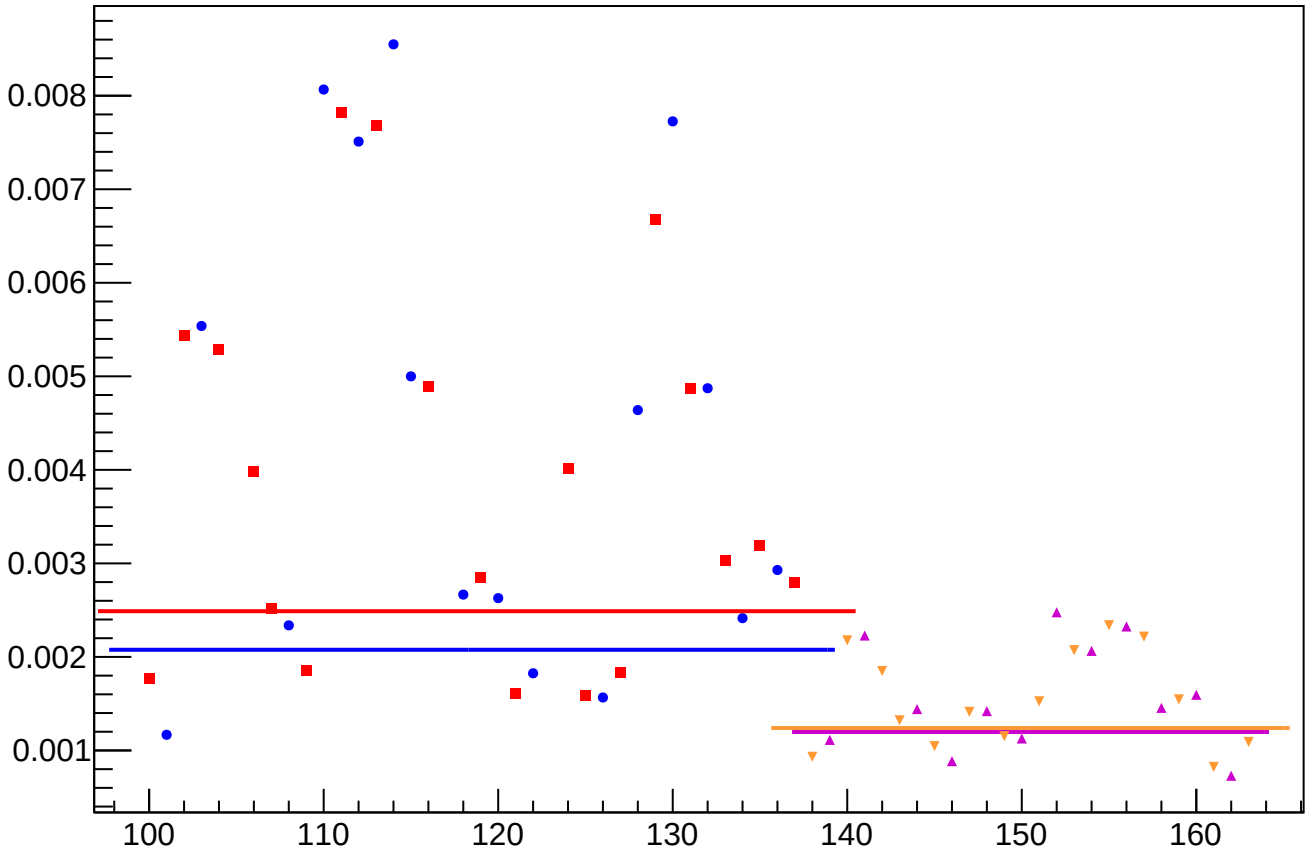
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 62.0/29

All: -0.000+/-0.000 χ^2/NDF: 94.9/60

- sign -0.000+/-0.000 χ^2/NDF: 32.9/30



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2162692.0/13

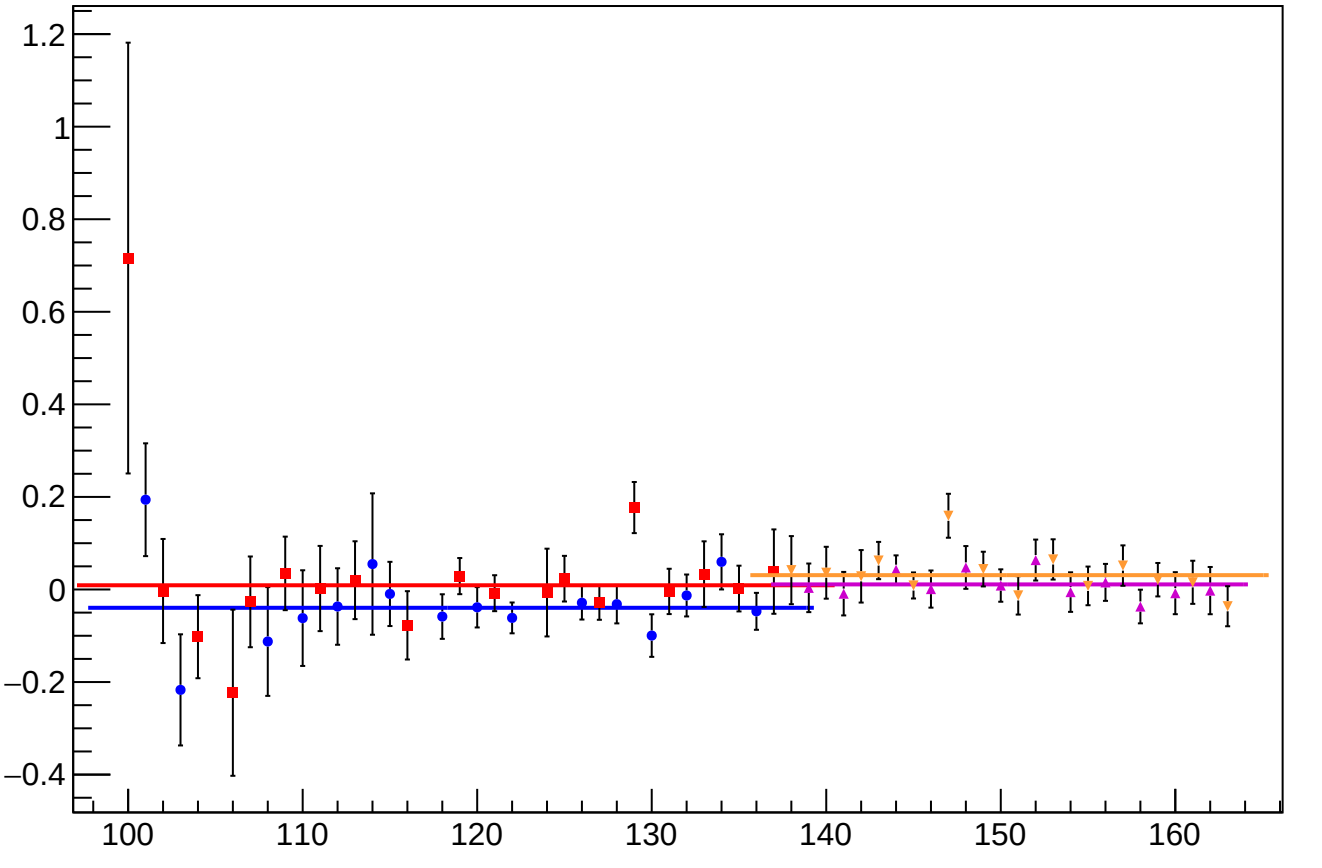
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2629731.1/11

+ sign 0.001+/-0.000 χ^2/NDF: 7499801.6/29

All: 0.001+/-0.000 χ^2/NDF: 15889864.9/60

- sign 0.001+/-0.000 χ^2/NDF: 8389710.3/30



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

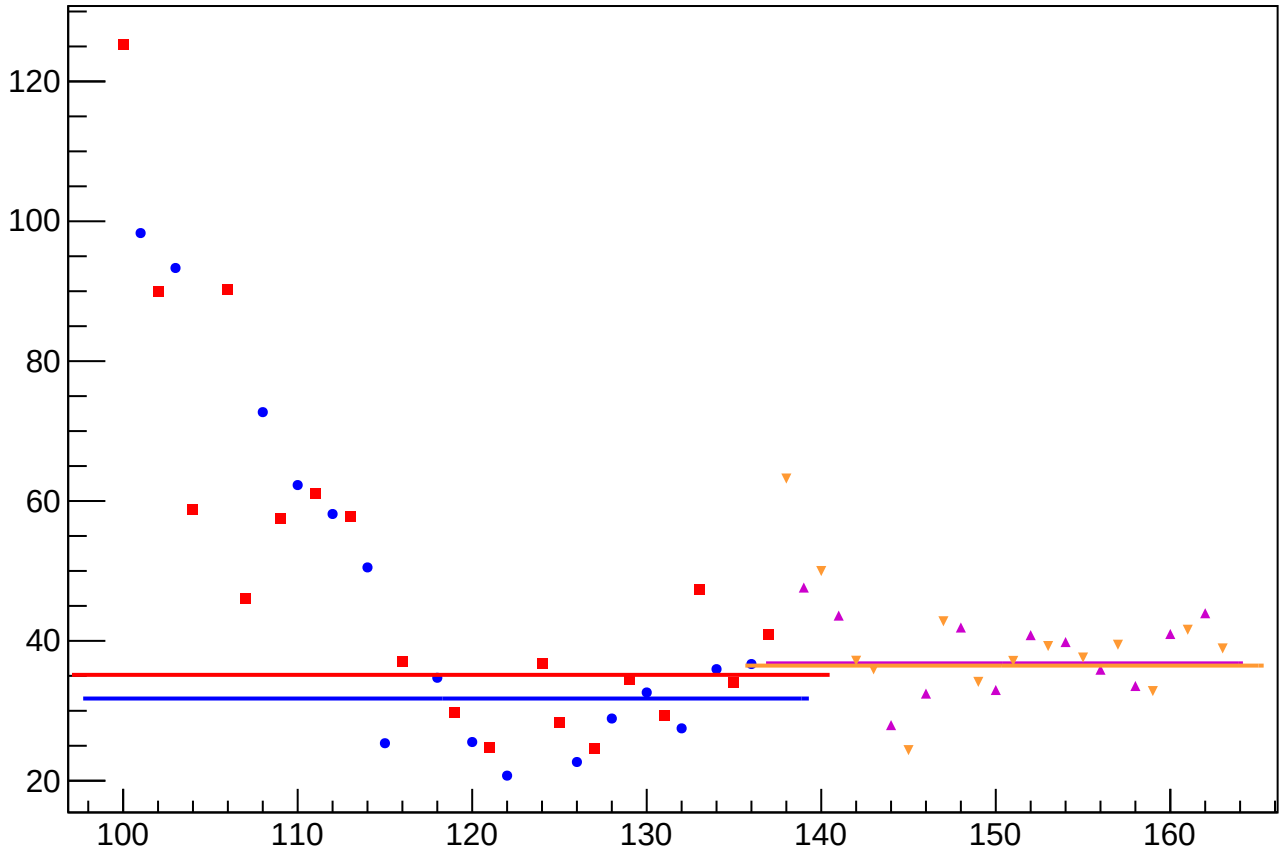
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.012 χ^2/NDF:5.5/11

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/60

- sign 0.010+/-0.009 χ^2/NDF: 23.8/30



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.464+/-0.008 χ^2/NDF:864027.1/13

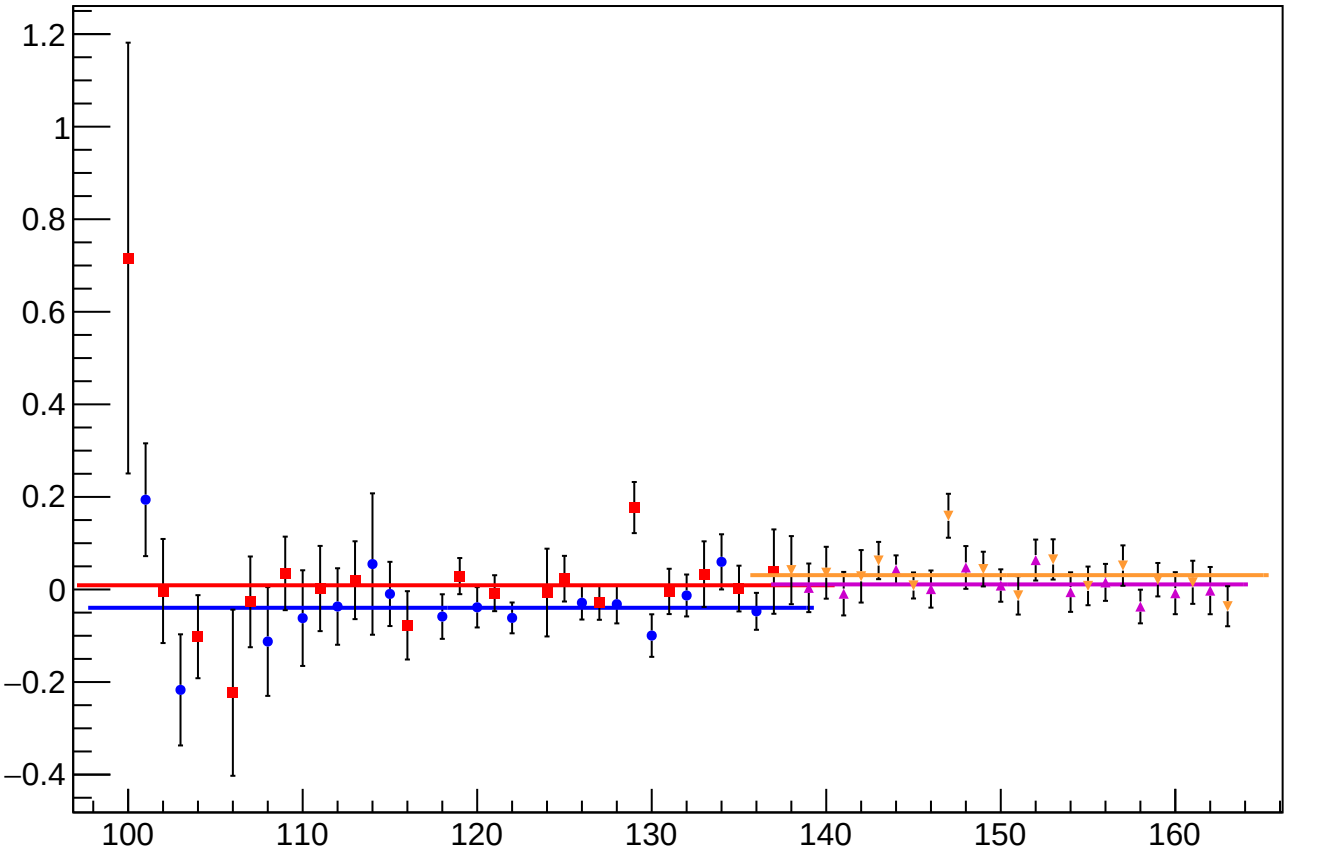
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460748.0/11

+ sign 34.465+/-0.006 χ^2/NDF: 3263647.3/29

All: 35.235+/-0.004 χ^2/NDF: 5619093.8/60

- sign 36.104+/-0.006 χ^2/NDF: 2321111.2/30



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

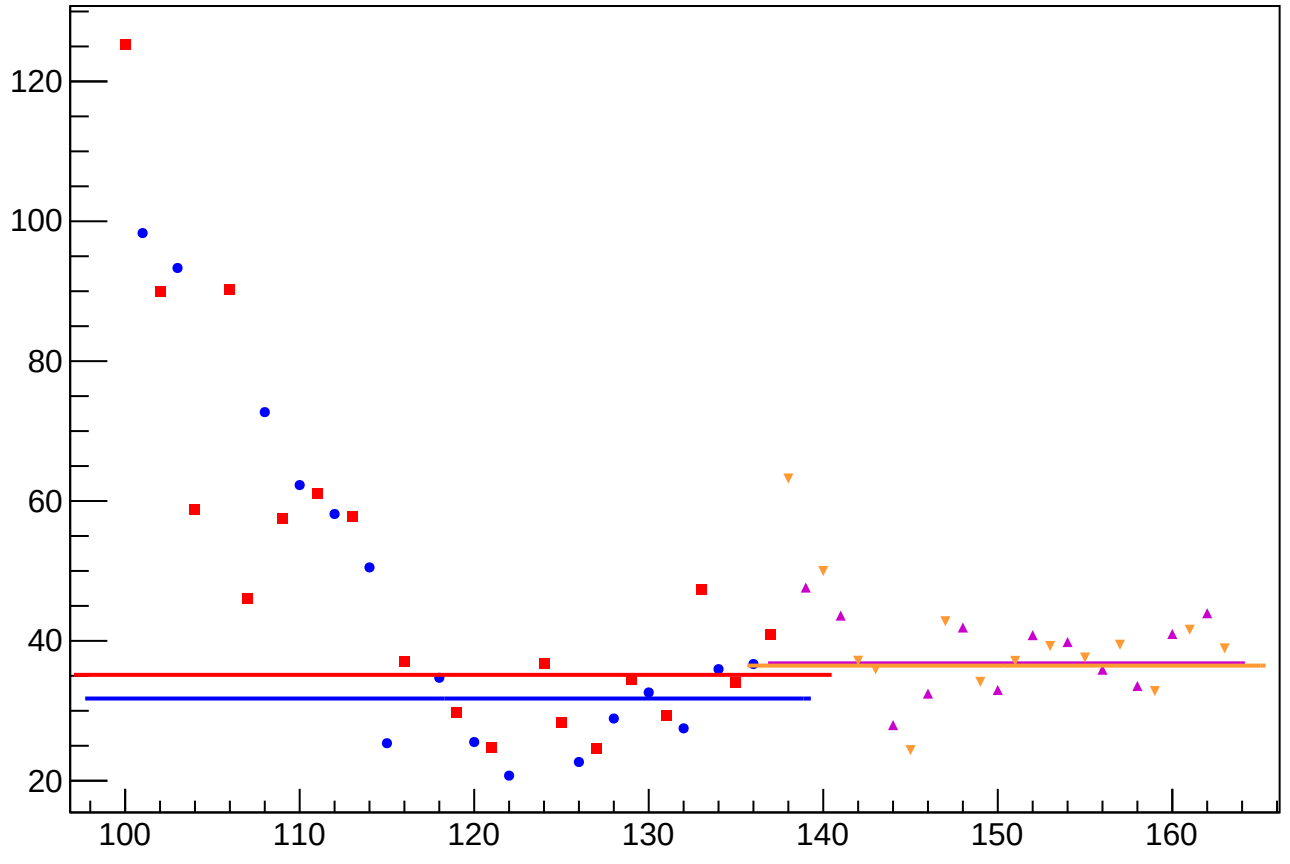
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.011+/-0.012 χ^2/NDF:5.5/11

+ sign 0.001+/-0.009 χ^2/NDF: 42.5/29

All: 0.005+/-0.006 χ^2/NDF: 66.8/60

- sign 0.010+/-0.009 χ^2/NDF: 23.8/30



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.464+/-0.008 χ^2/NDF:864027.1/13

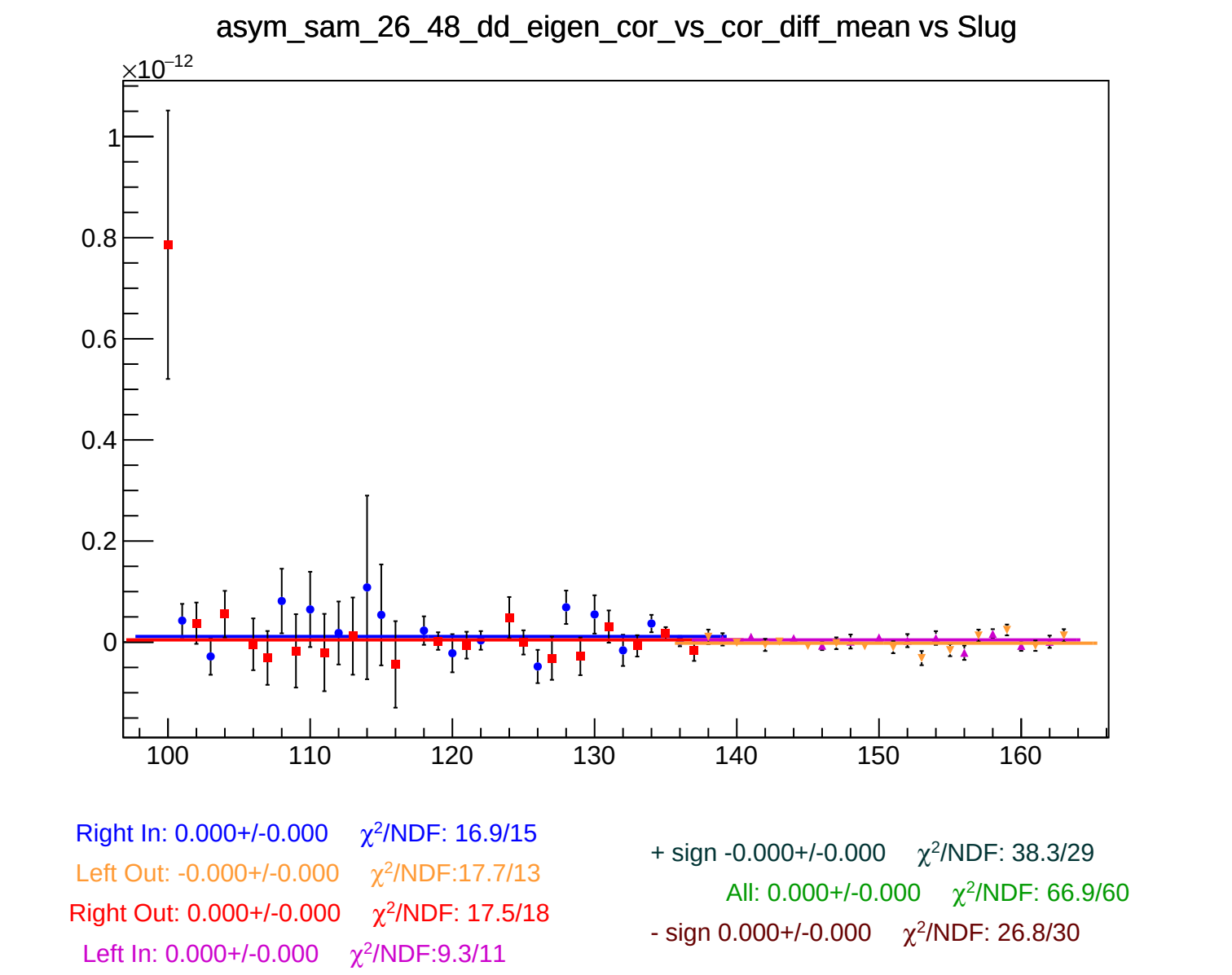
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

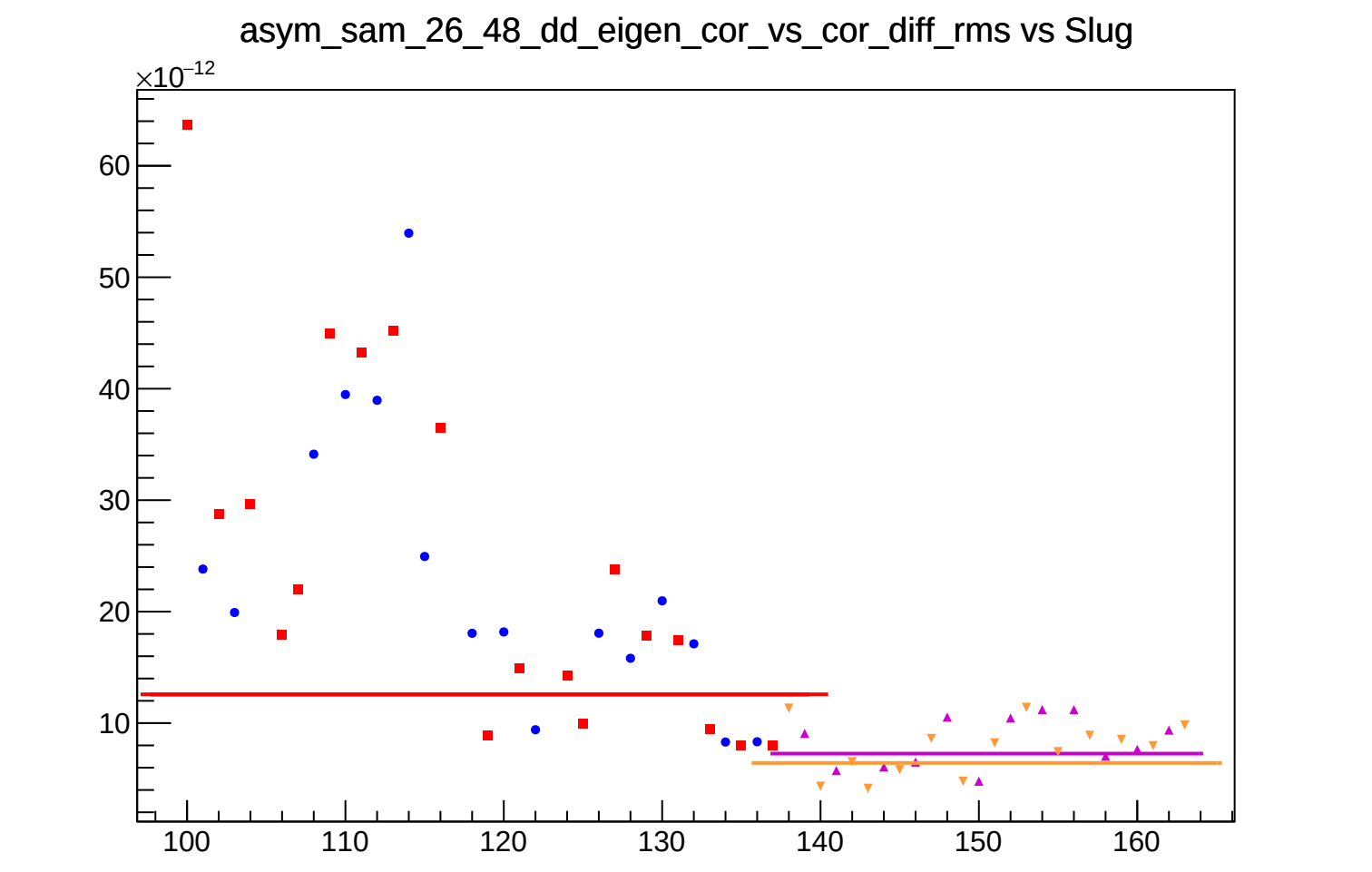
Left In: 36.784+/-0.008 χ^2/NDF:460748.0/11

+ sign 34.465+/-0.006 χ^2/NDF: 3263647.3/29

All: 35.235+/-0.004 χ^2/NDF: 5619093.8/60

- sign 36.104+/-0.006 χ^2/NDF: 2321111.2/30


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/11
+ sign -0.000+/-0.000 χ²/NDF: 38.3/29
All: 0.000+/-0.000 χ²/NDF: 66.9/60
- sign 0.000+/-0.000 χ²/NDF: 26.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1598865.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

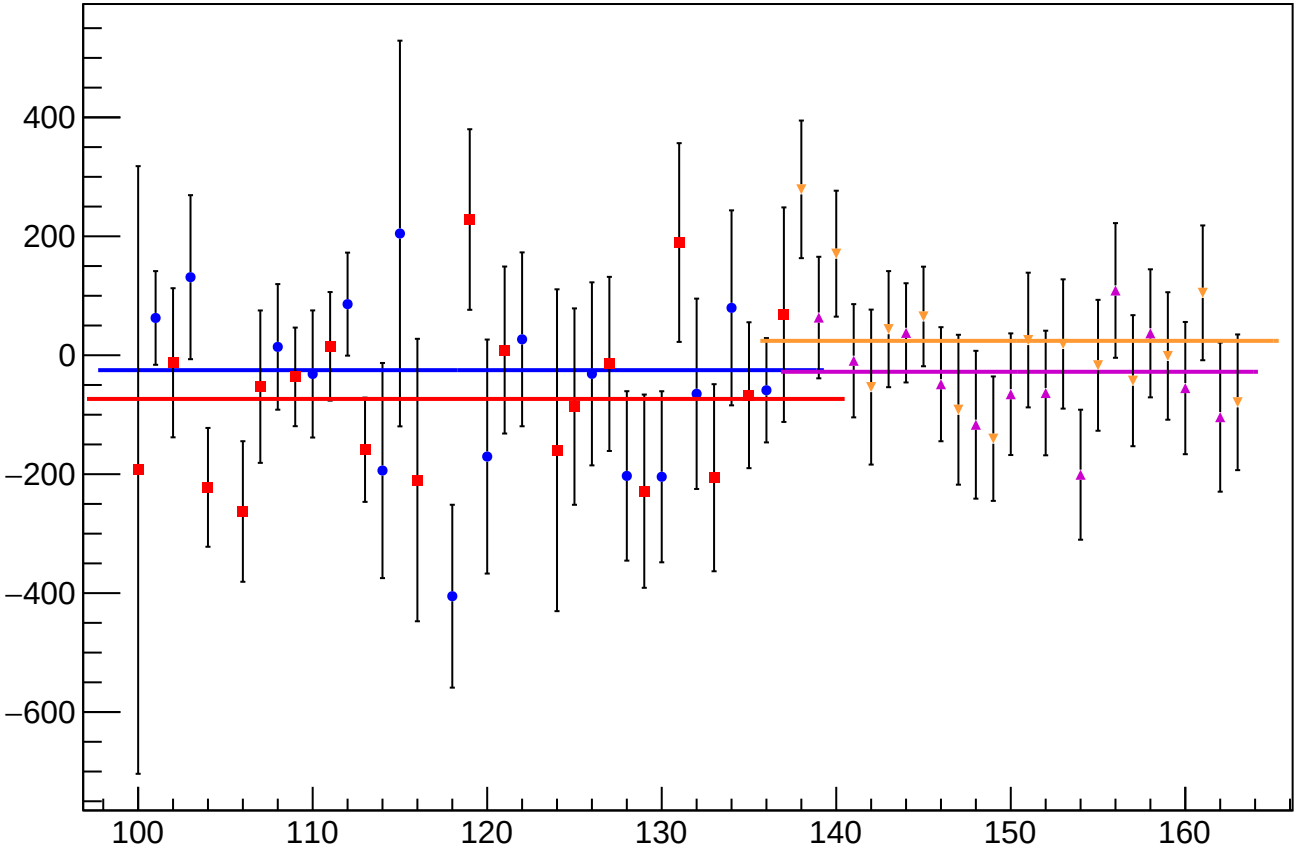
Left In: 0.000+/-0.000 χ^2/NDF:1039185.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 5339692.0/29

All: 0.000+/-0.000 χ^2/NDF: 10330116.4/60

- sign 0.000+/-0.000 χ^2/NDF: 4870030.8/30

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.205+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

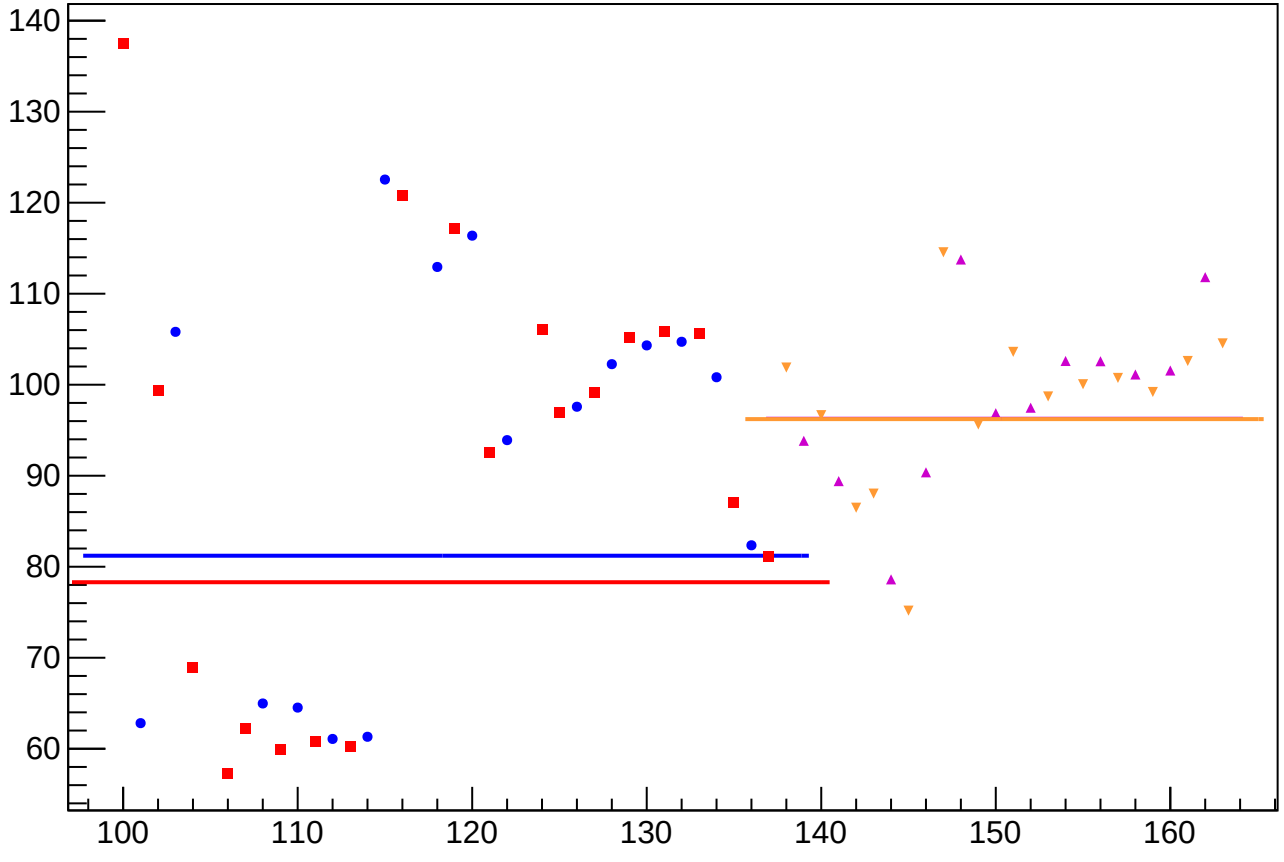
Left In: -27.813+/-30.118 χ^2/NDF:7.0/11

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -24.663+/-15.011 χ^2/NDF: 58.1/60

- sign -50.774+/-21.231 χ^2/NDF: 25.0/30

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

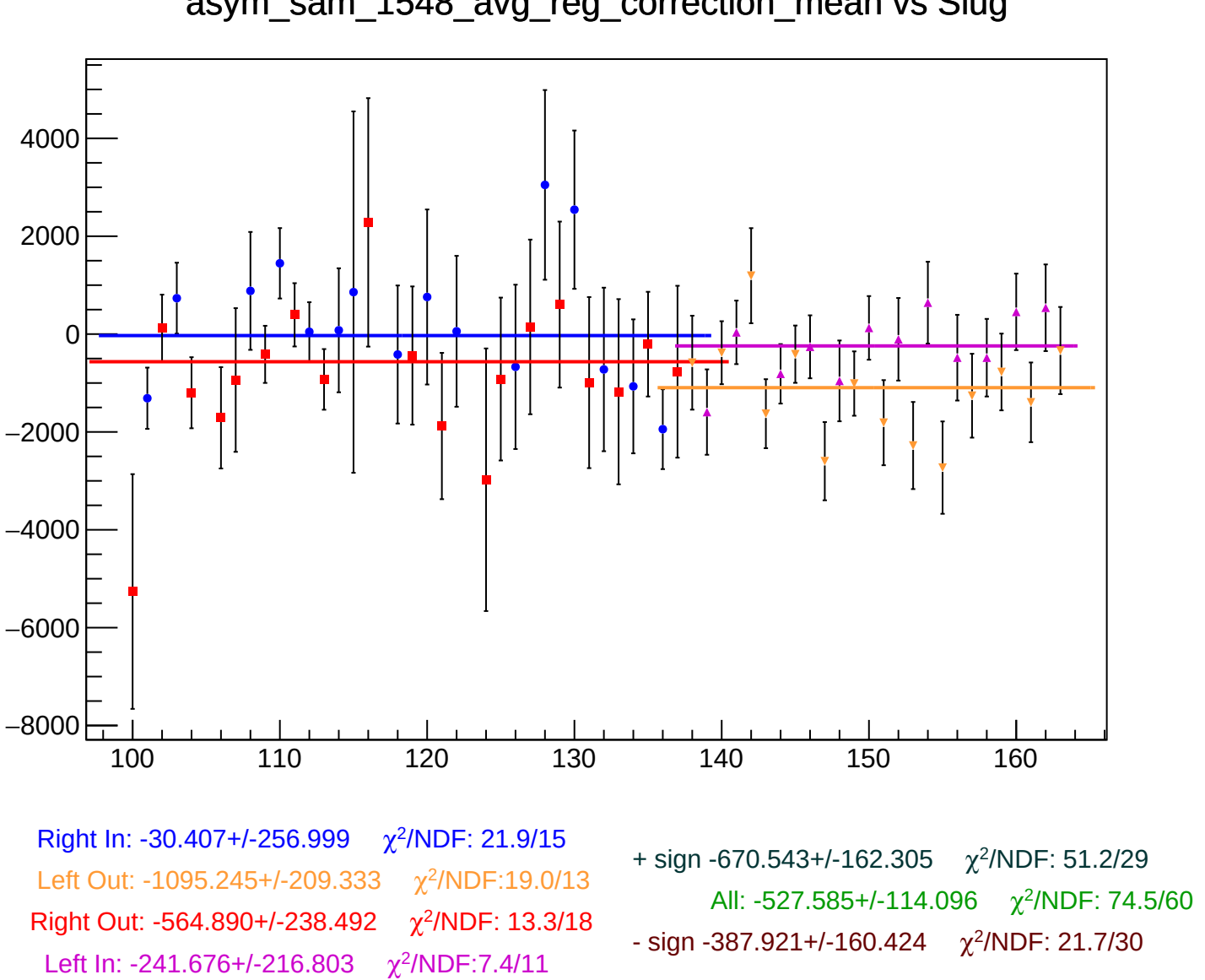
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

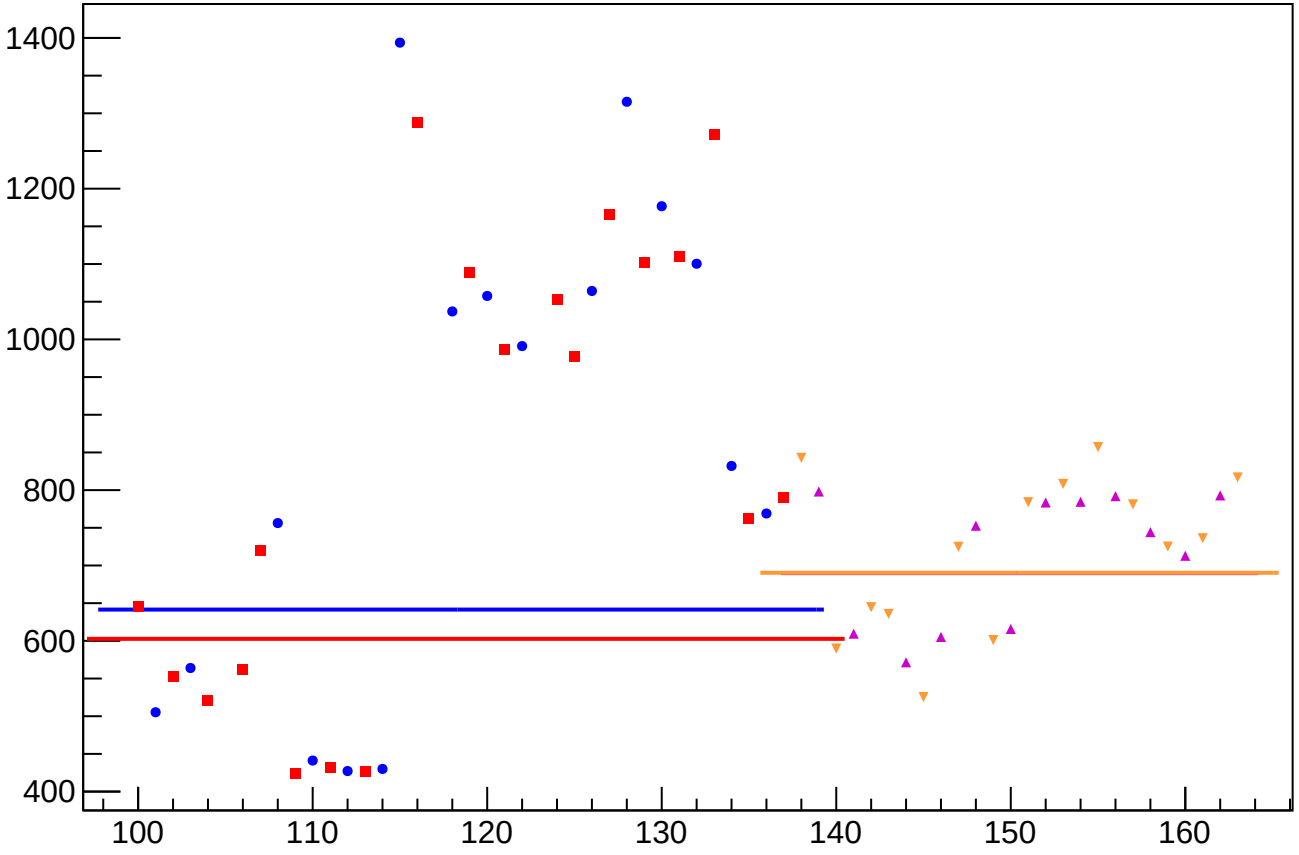
\+ sign 89.285+/-0.015 χ^2/NDF: 1268948.5/29

All: 88.255+/-0.011 χ^2/NDF: 2771845.5/60

\- sign 87.224+/-0.015 χ^2/NDF: 1493474.4/30


asym_sam_1548_avg_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -30.407+/-256.999 χ²/NDF: 21.9/15
Left Out: -1095.245+/-209.333 χ²/NDF:19.0/13
Right Out: -564.890+/-238.492 χ²/NDF: 13.3/18
Left In: -241.676+/-216.803 χ²/NDF:7.4/11
+ sign -670.543+/-162.305 χ²/NDF: 51.2/29
All: -527.585+/-114.096 χ²/NDF: 74.5/60
- sign -387.921+/-160.424 χ²/NDF: 21.7/30

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 690.324+/-0.148 χ^2/NDF:508607.1/13

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

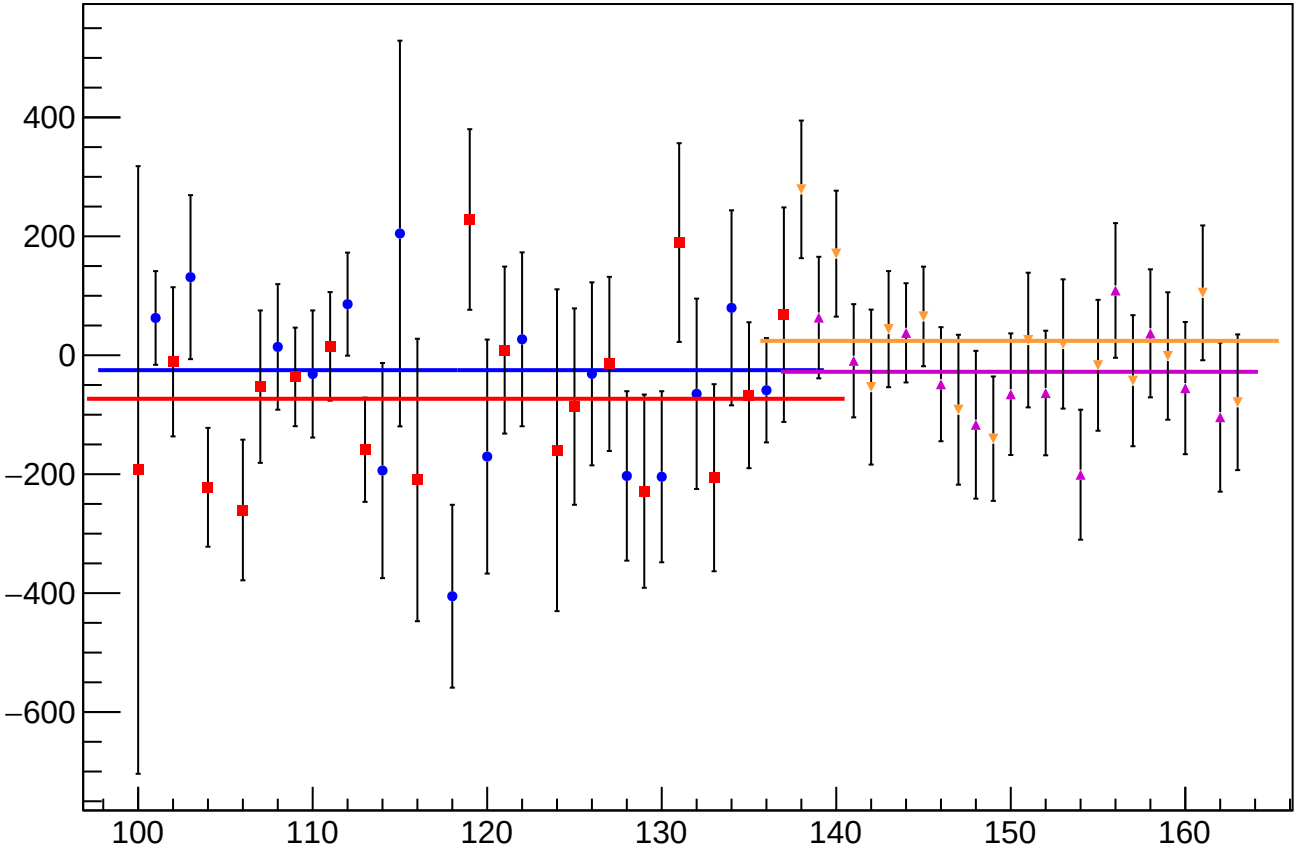
Left In: 689.846+/-0.153 χ^2/NDF:325154.2/11

+ sign 670.850+/-0.115 χ^2/NDF: 2426994.1/29

All: 660.503+/-0.081 χ^2/NDF: 4984894.1/60

- sign 650.394+/-0.113 χ^2/NDF: 2541829.4/30

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

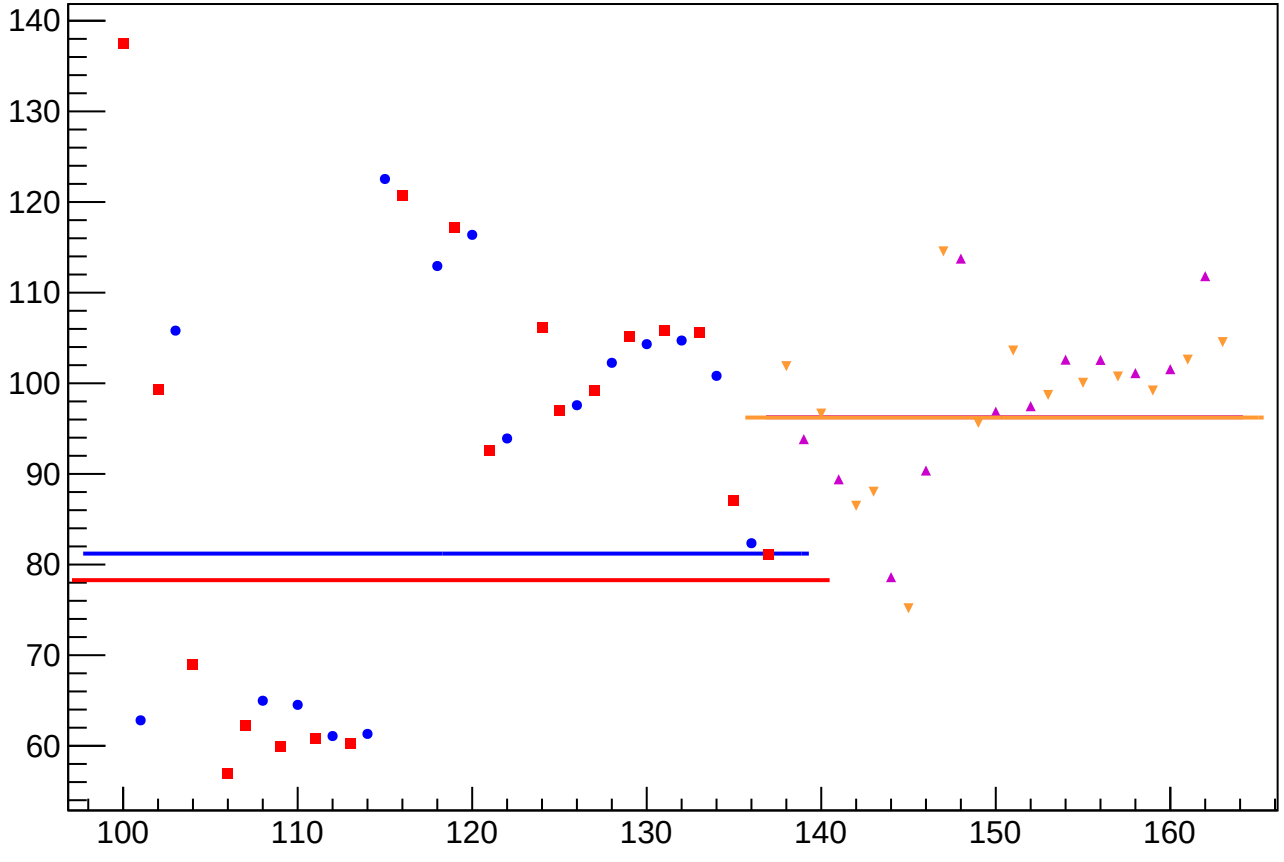
Left In: -27.814+/-30.118 χ^2/NDF:7.0/11

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -24.595+/-15.012 χ^2/NDF: 58.1/60

- sign -50.640+/-21.232 χ^2/NDF: 24.9/30

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

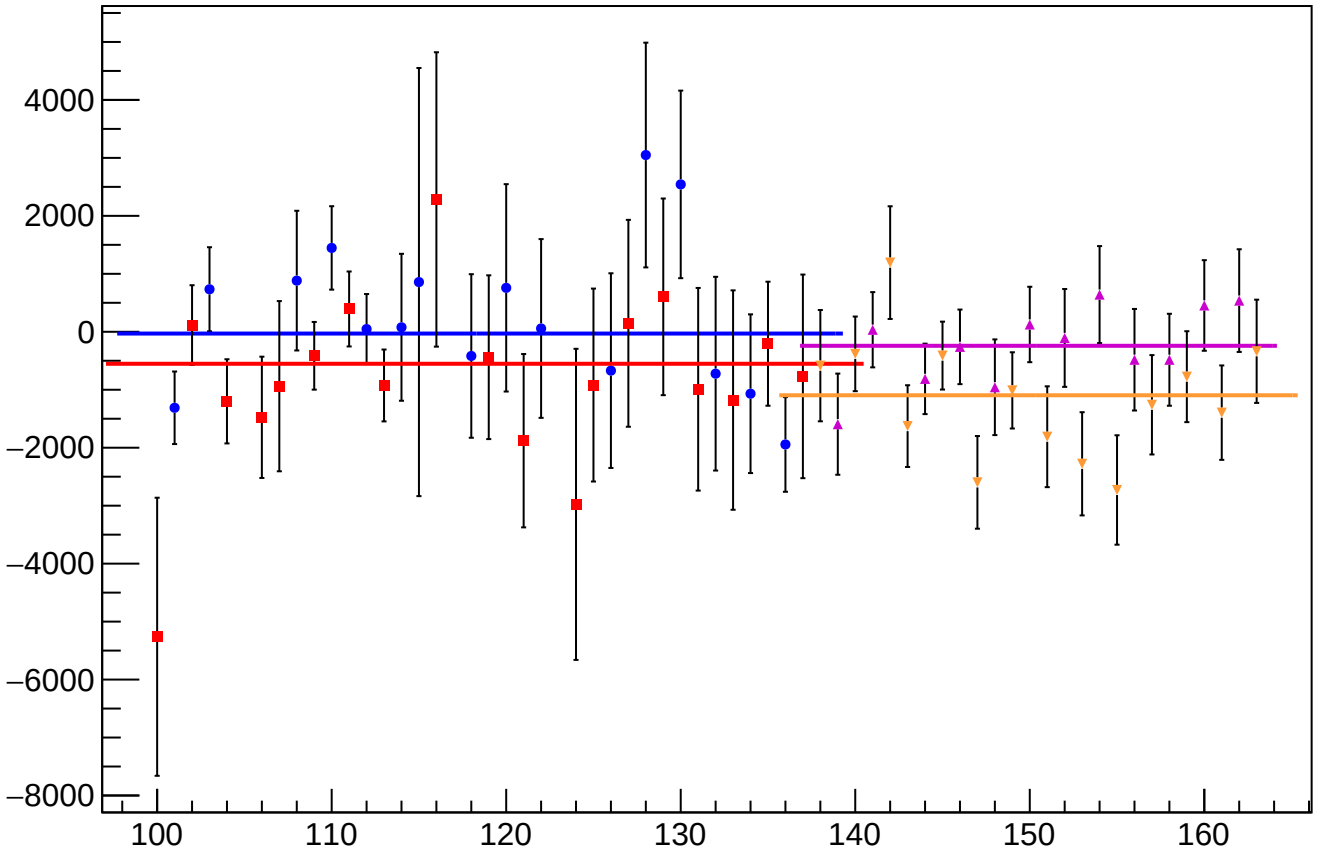
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

+ sign 89.285+/-0.015 χ^2/NDF: 1268950.2/29

All: 88.251+/-0.011 χ^2/NDF: 2774787.7/60

- sign 87.216+/-0.015 χ^2/NDF: 1496334.3/30



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

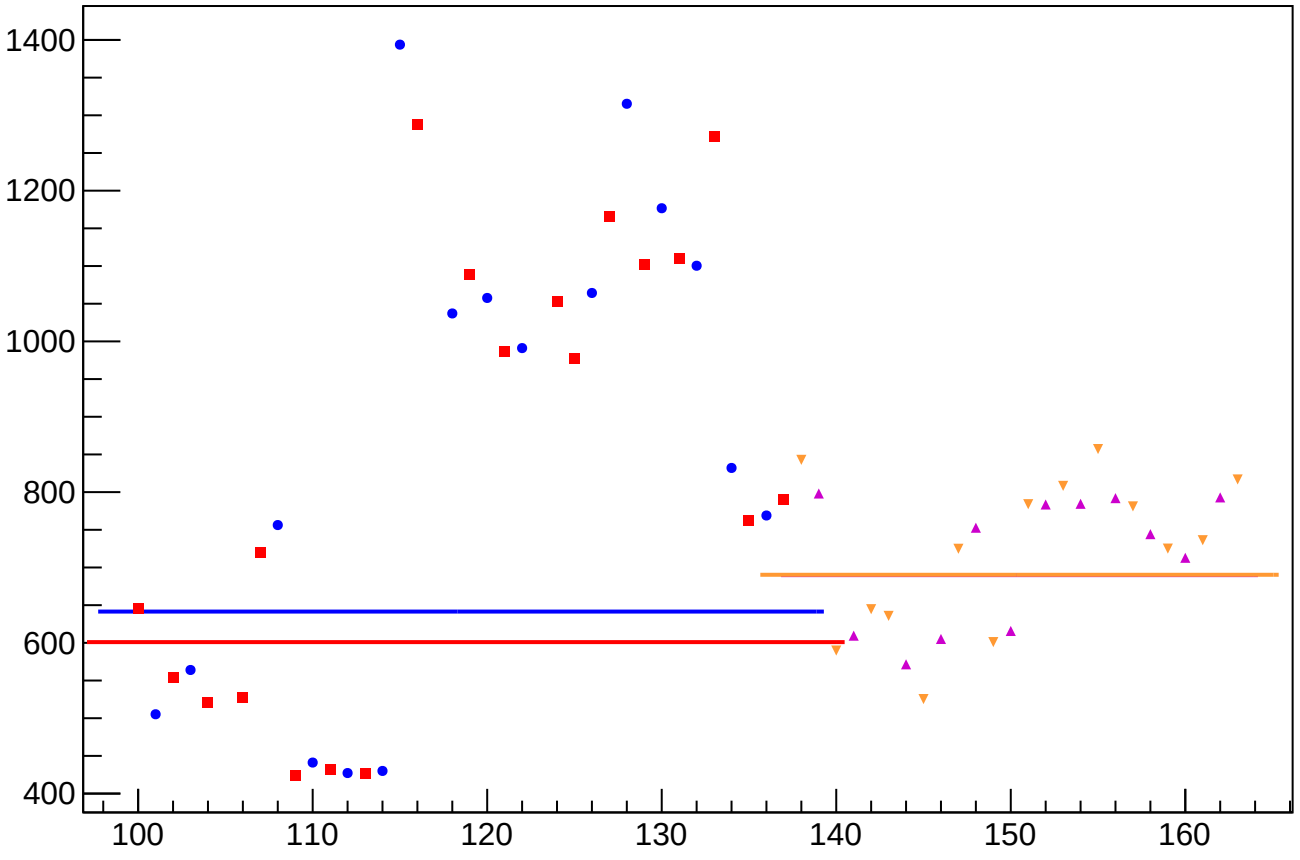
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -241.680+/-216.804 χ^2/NDF:7.4/11

\+ sign -670.557+/-162.306 χ^2/NDF: 51.2/29

All: -524.622+/-114.113 χ^2/NDF: 74.0/60

\- sign -381.972+/-160.469 χ^2/NDF: 21.2/30



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

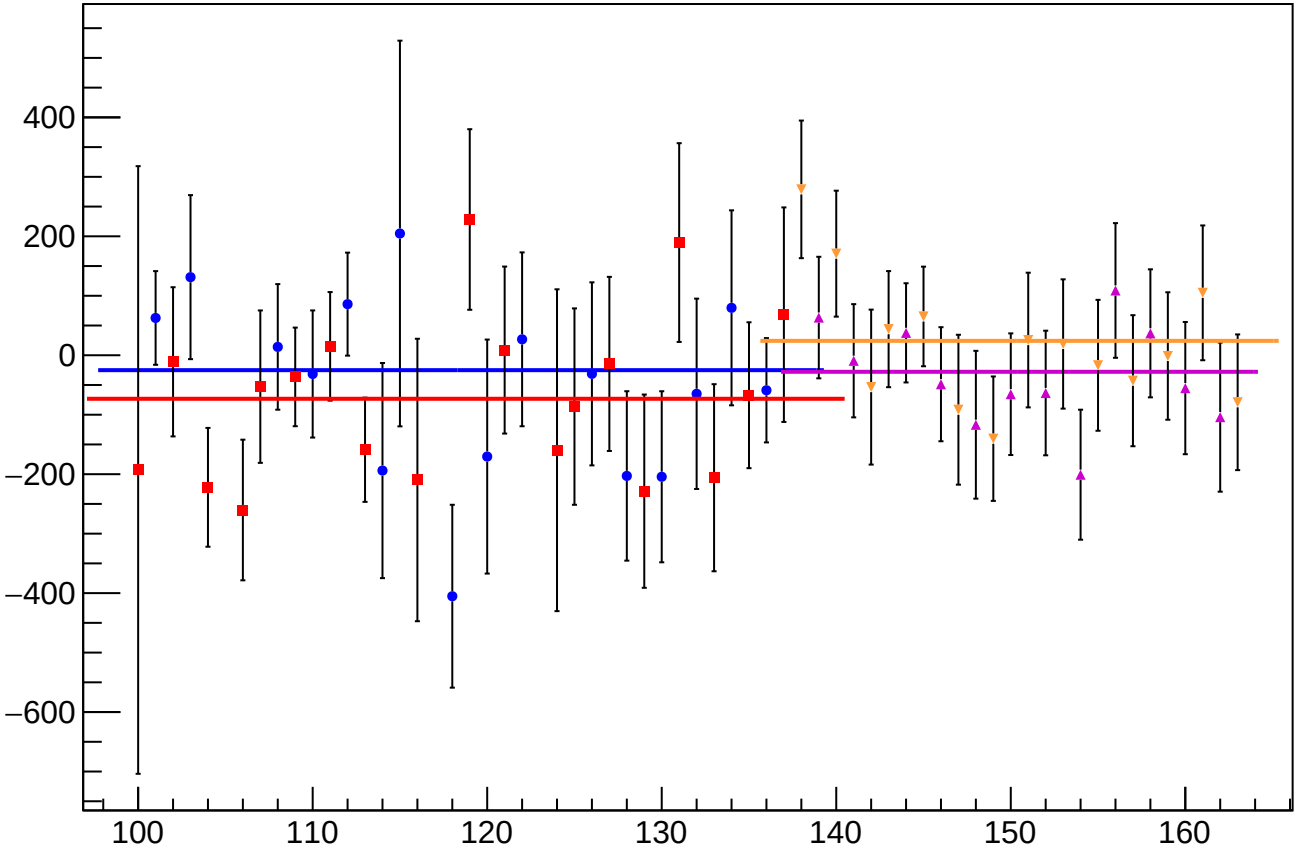
Left In: 689.846+/-0.153 χ^2/NDF:325152.4/11

+ sign 670.854+/-0.115 χ^2/NDF: 2426937.7/29

All: 660.137+/-0.081 χ^2/NDF: 4998518.4/60

- sign 649.662+/-0.113 χ^2/NDF: 2554337.9/30

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

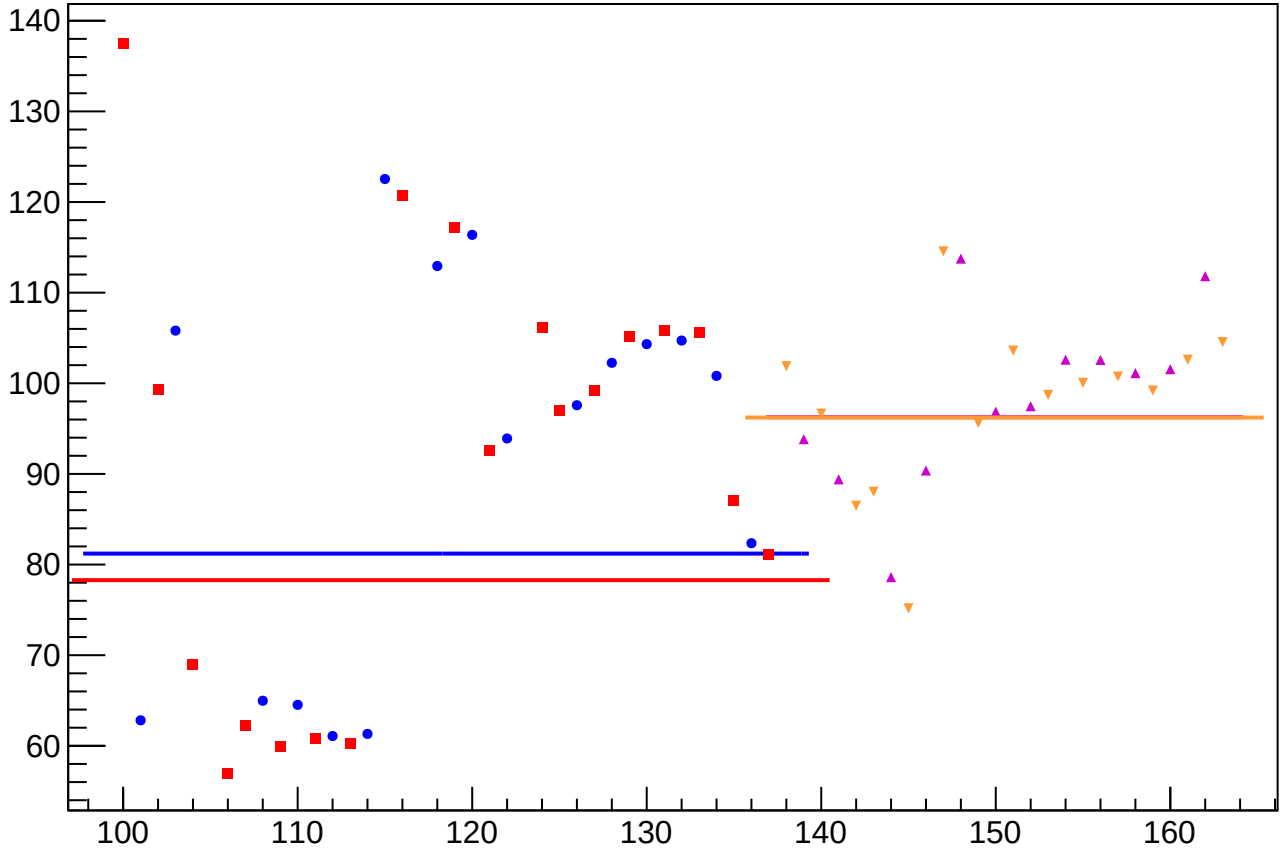
Left In: -27.814+/-30.118 χ^2/NDF:7.0/11

+ sign 1.438+/-21.227 χ^2/NDF: 30.2/29

All: -24.595+/-15.012 χ^2/NDF: 58.1/60

- sign -50.640+/-21.232 χ^2/NDF: 24.9/30

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

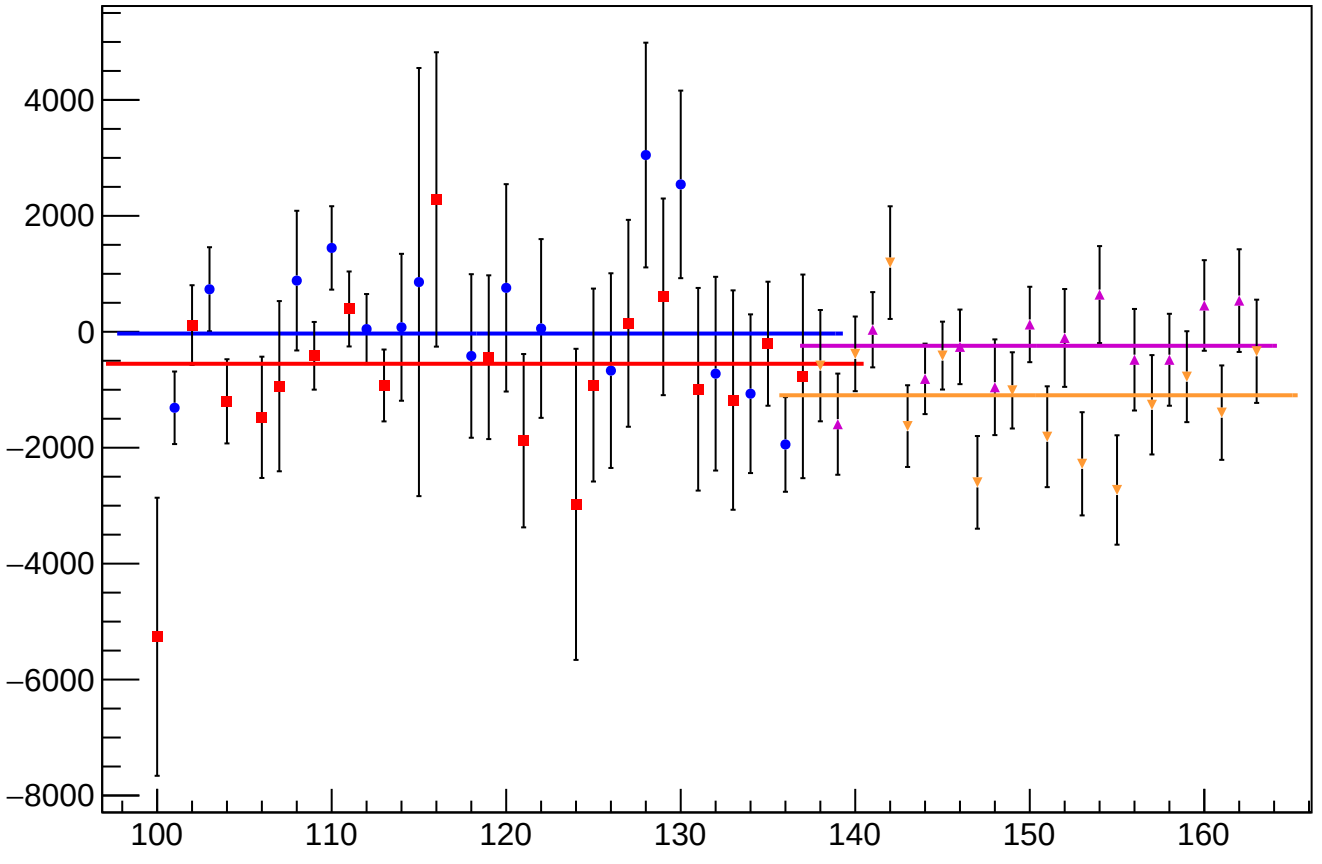
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

+ sign 89.285+/-0.015 χ^2/NDF: 1268950.2/29

All: 88.251+/-0.011 χ^2/NDF: 2774787.7/60

- sign 87.216+/-0.015 χ^2/NDF: 1496334.3/30



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

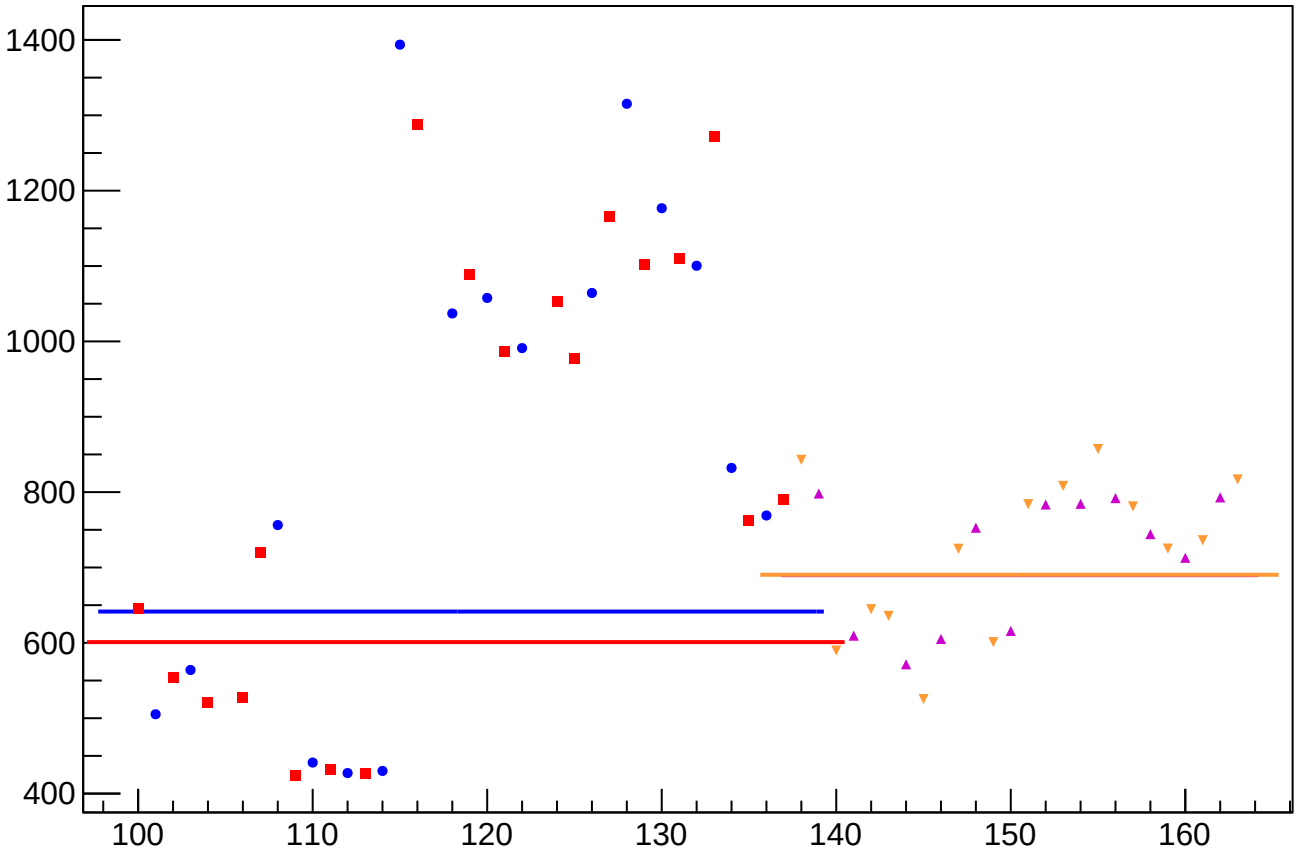
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -241.680+/-216.804 χ^2/NDF:7.4/11

+ sign -670.557+/-162.306 χ^2/NDF: 51.2/29

All: -524.622+/-114.113 χ^2/NDF: 74.0/60

- sign -381.972+/-160.469 χ^2/NDF: 21.2/30



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

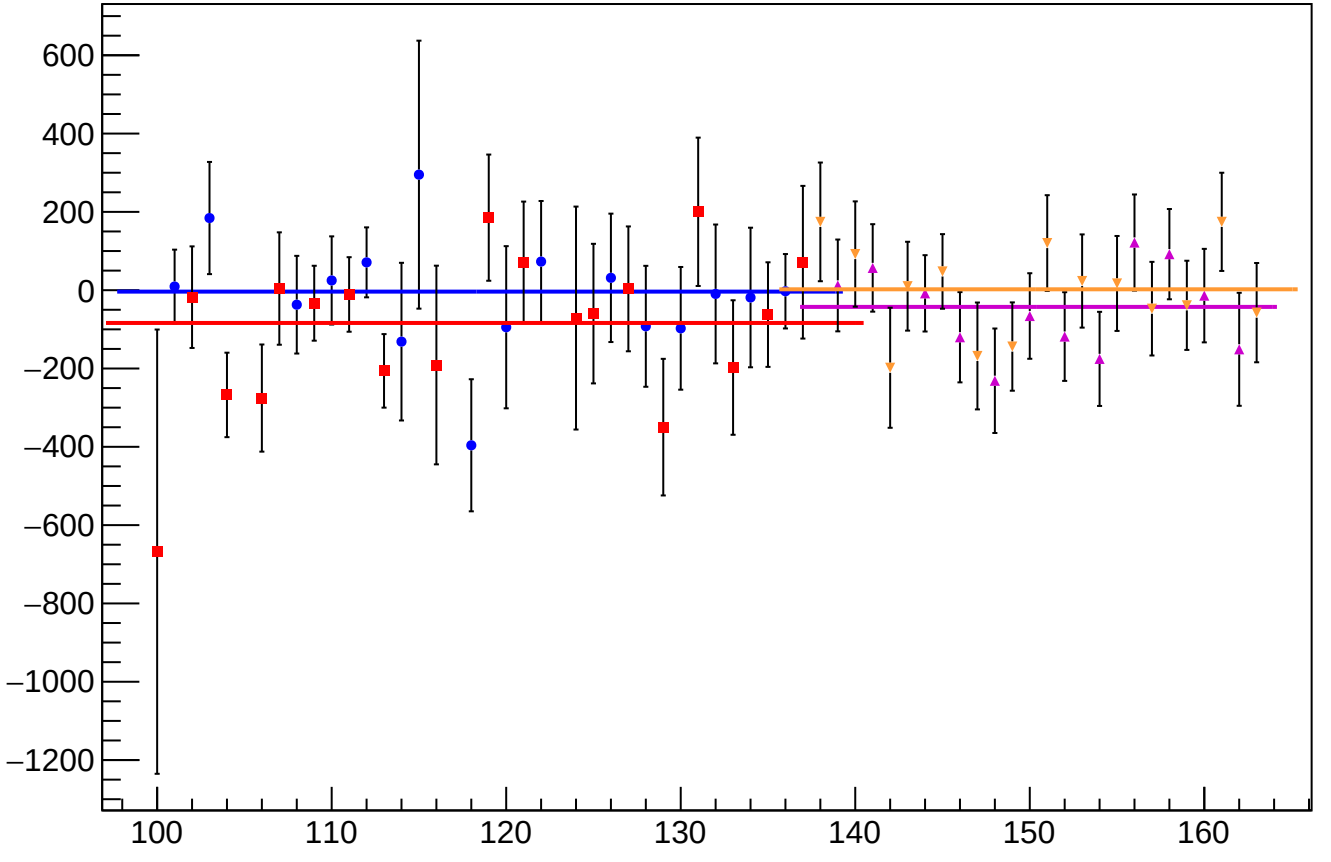
Left In: 689.846+/-0.153 χ^2/NDF:325152.4/11

+ sign 670.854+/-0.115 χ^2/NDF: 2426937.7/29

All: 660.137+/-0.081 χ^2/NDF: 4998518.4/60

- sign 649.662+/-0.113 χ^2/NDF: 2554337.9/30

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.277+/-32.621 χ^2/NDF:10.3/13

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

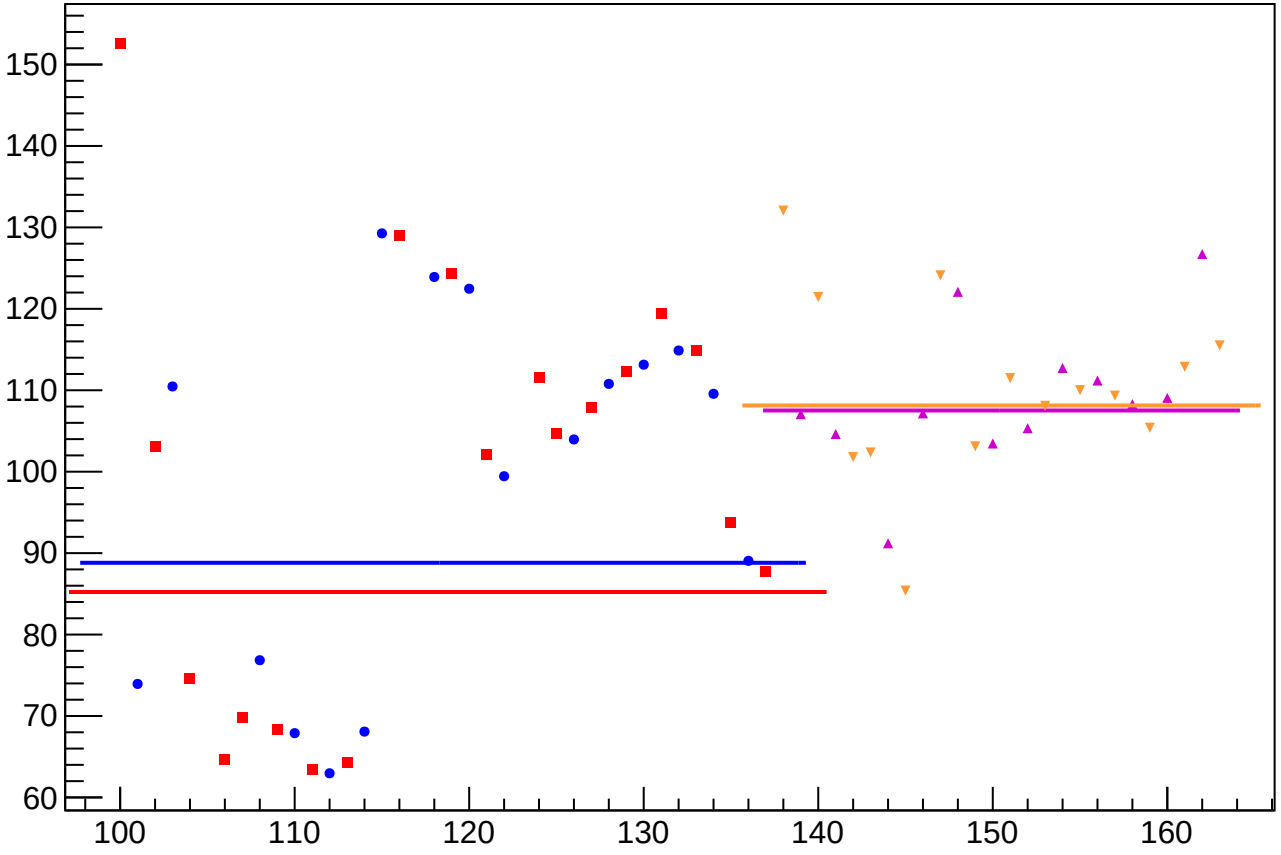
Left In: -42.655+/-33.704 χ^2/NDF:9.1/11

+ sign -0.544+/-23.589 χ^2/NDF: 20.7/29

All: -32.381+/-16.629 χ^2/NDF: 53.2/60

- sign -63.828+/-23.444 χ^2/NDF: 28.9/30

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.134+/-0.023 χ^2/NDF:236259.2/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

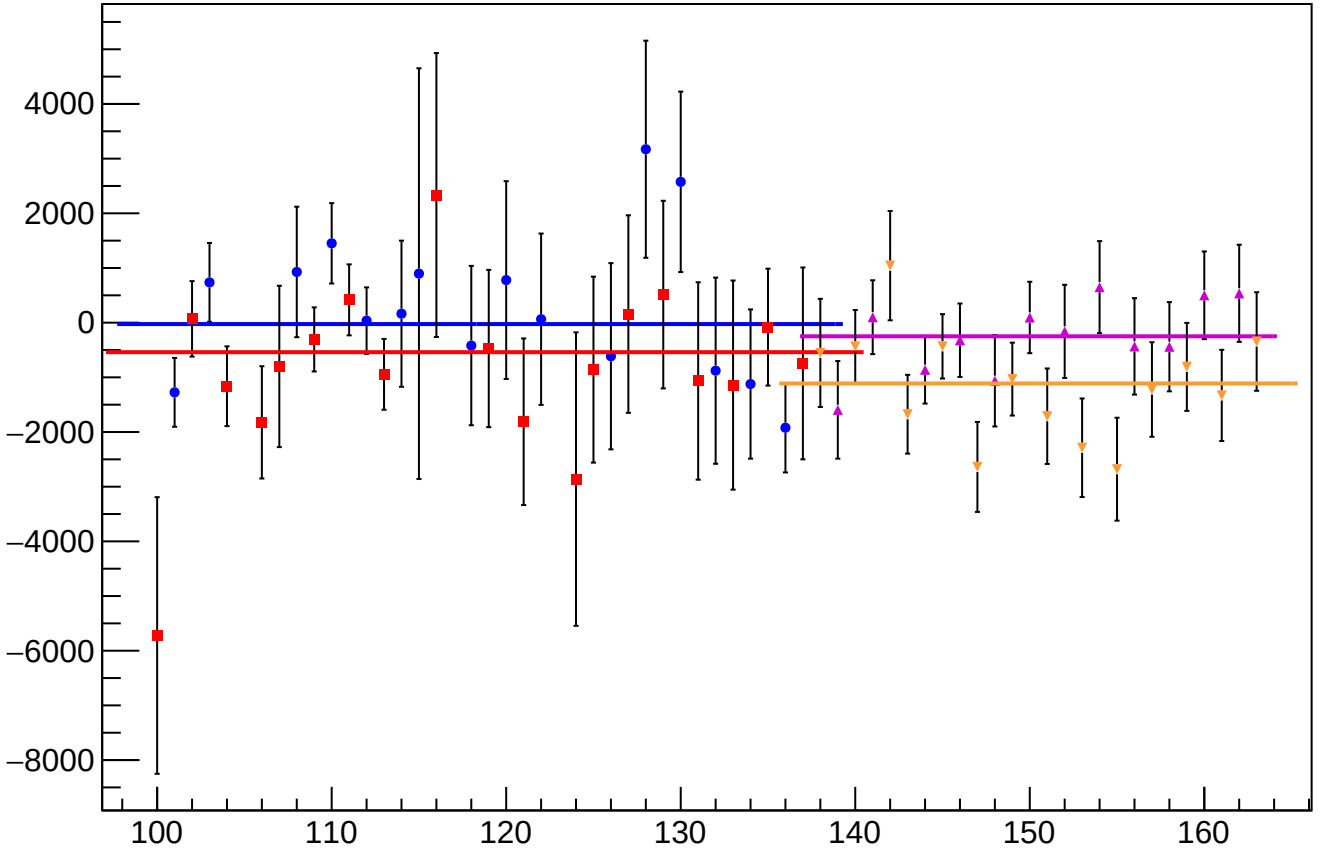
Left In: 107.516+/-0.024 χ^2/NDF:126155.5/11

+ sign 98.917+/-0.017 χ^2/NDF: 1295586.0/29

All: 97.455+/-0.012 χ^2/NDF: 2772658.1/60

- sign 96.011+/-0.017 χ^2/NDF: 1461801.5/30

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1111.906+/-213.007 χ^2/NDF:17.3/13

Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

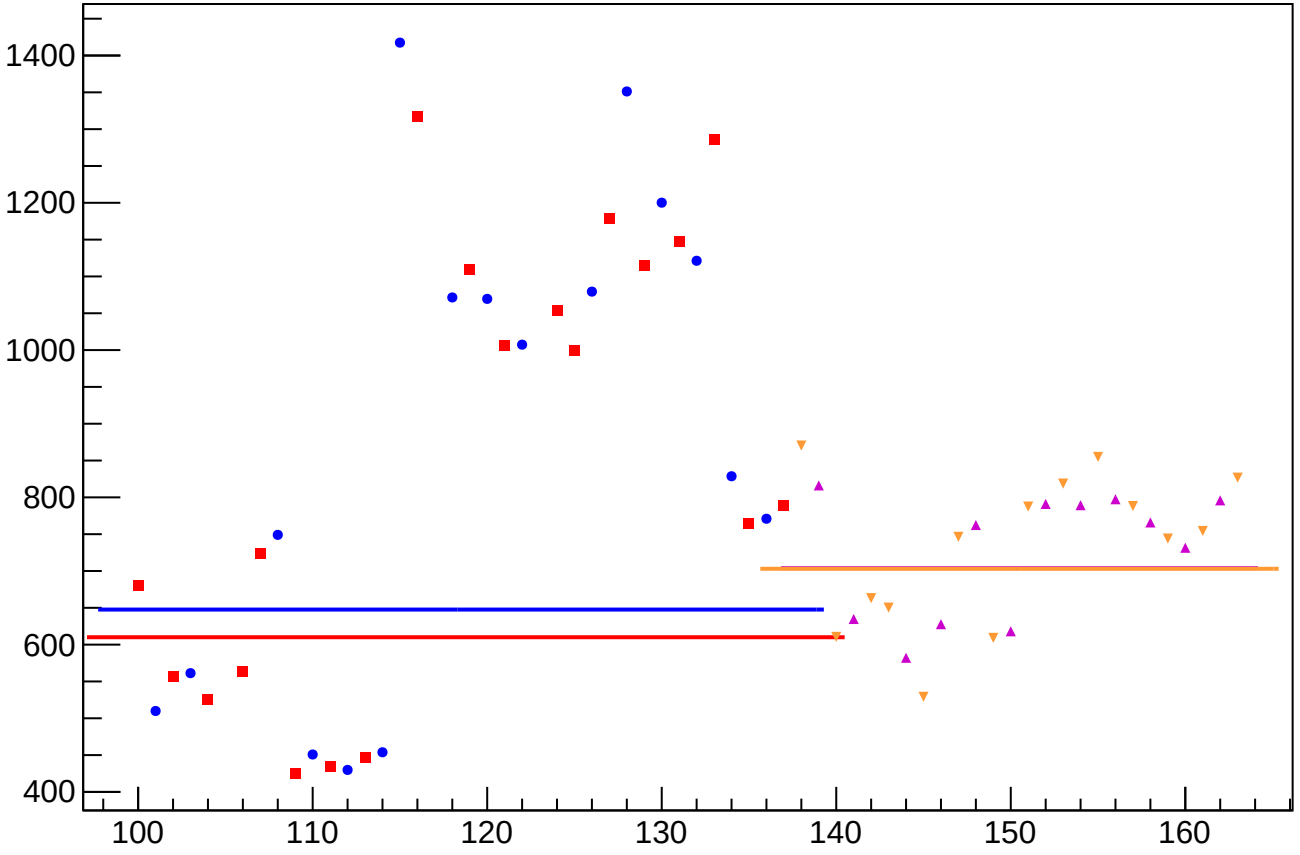
Left In: -249.649+/-221.100 χ^2/NDF:7.7/11

+ sign -674.486+/-164.619 χ^2/NDF: 49.3/29

All: -526.812+/-115.825 χ^2/NDF: 73.0/60

- sign -382.035+/-162.997 χ^2/NDF: 22.1/30

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 703.039+/-0.151 χ^2/NDF:502867.3/13

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

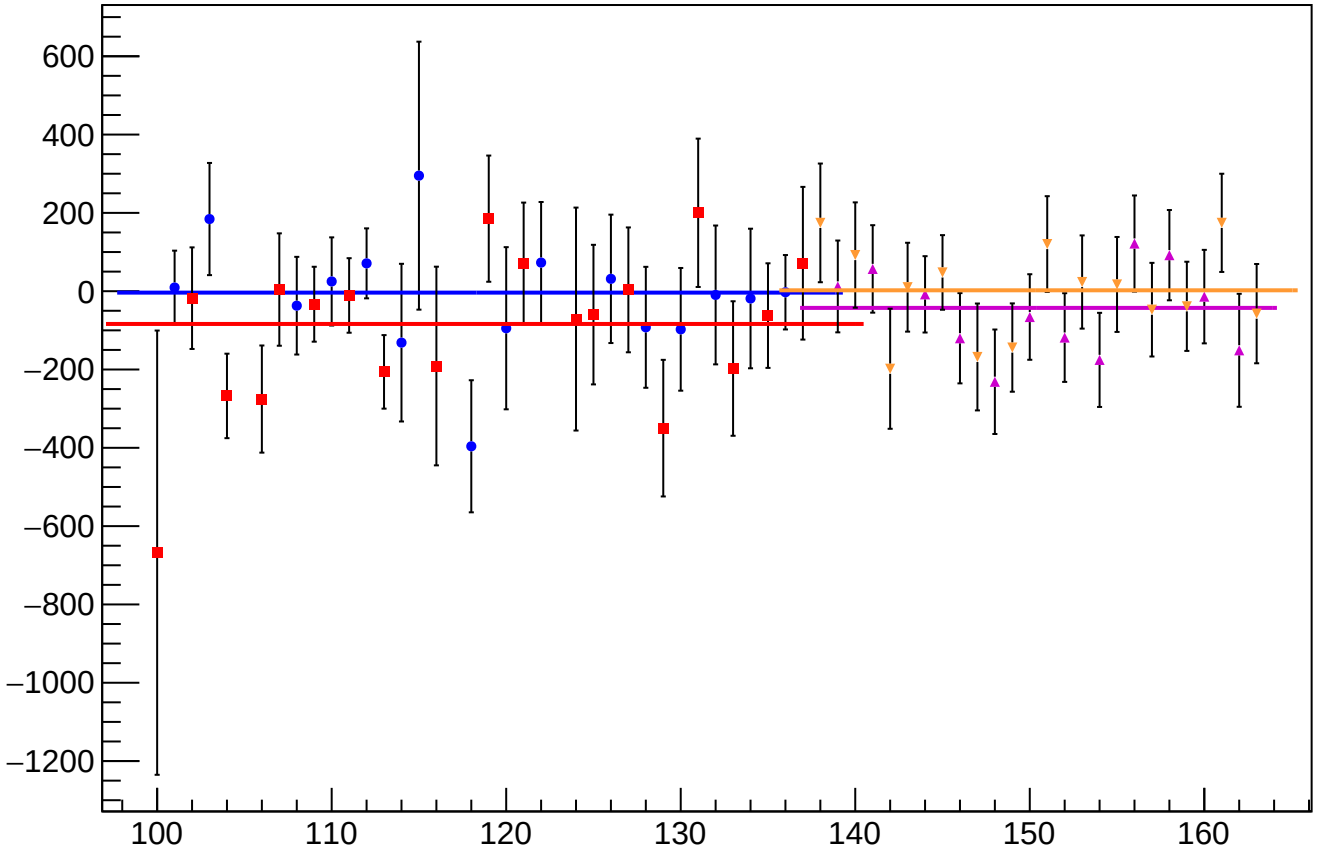
Left In: 703.857+/-0.156 χ^2/NDF:299543.8/11

+ sign 680.728+/-0.116 χ^2/NDF: 2445164.8/29

All: 670.785+/-0.082 χ^2/NDF: 4997727.0/60

- sign 661.037+/-0.115 χ^2/NDF: 2538111.3/30

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.278+/-32.621 χ^2/NDF:10.3/13

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

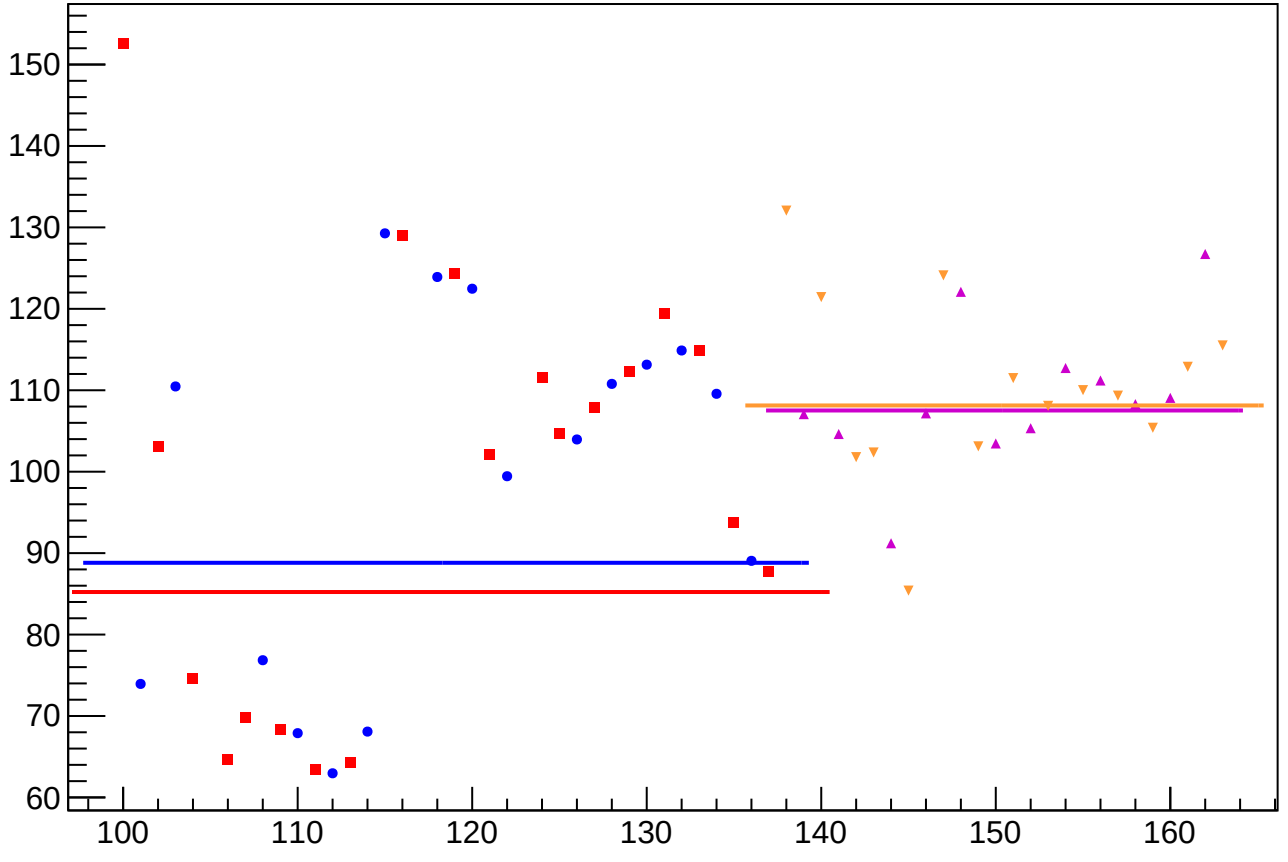
Left In: -42.656+/-33.704 χ^2/NDF:9.1/11

+ sign -0.542+/-23.589 χ^2/NDF: 20.7/29

All: -32.380+/-16.629 χ^2/NDF: 53.2/60

- sign -63.828+/-23.444 χ^2/NDF: 28.9/30

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.134+/-0.023 χ^2/NDF:236256.9/13

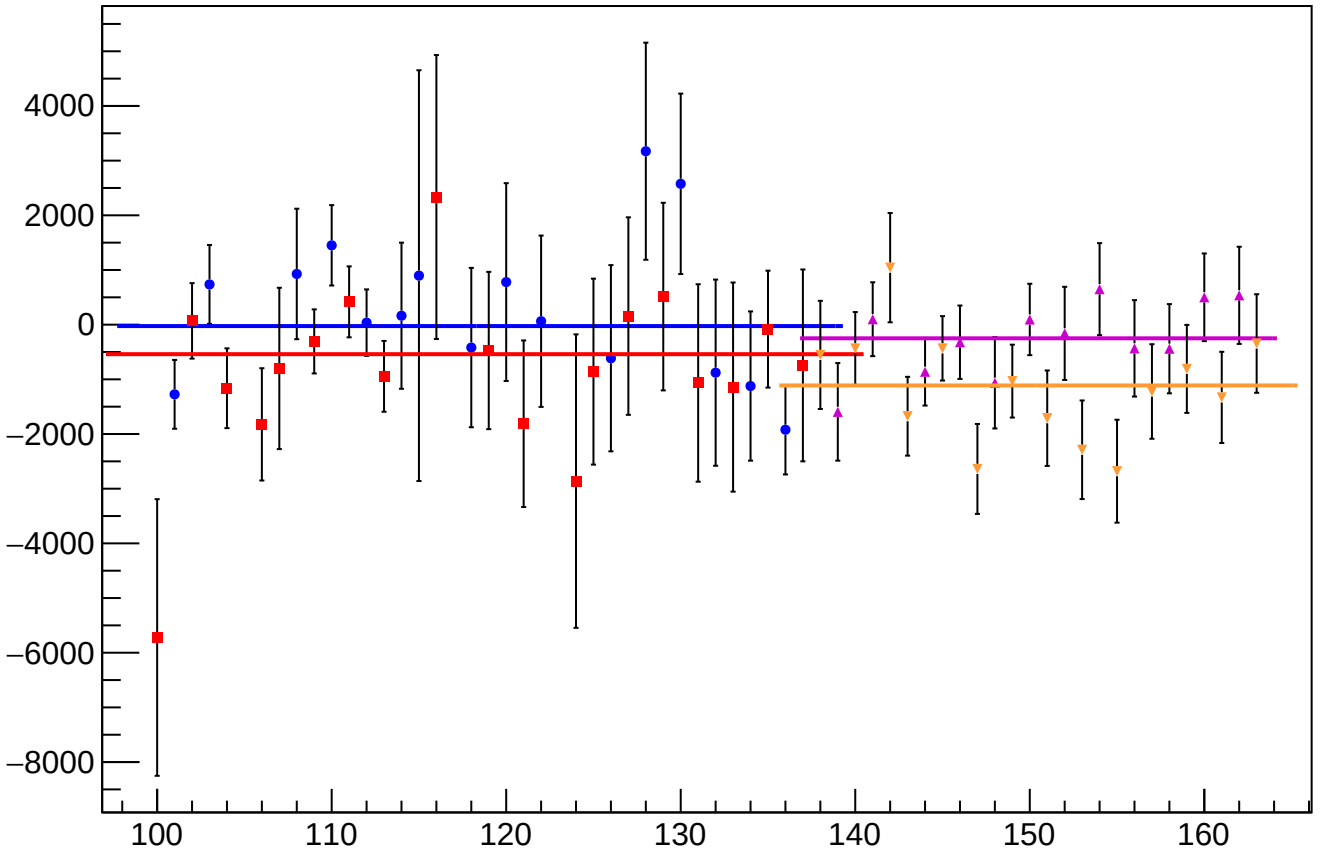
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 107.517+/-0.024 χ^2/NDF:126154.0/11

+ sign 98.917+/-0.017 χ^2/NDF: 1295590.3/29

All: 97.455+/-0.012 χ^2/NDF: 2772672.1/60

- sign 96.011+/-0.017 χ^2/NDF: 1461811.2/30



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1111.904+/-213.007 χ^2/NDF:17.3/13

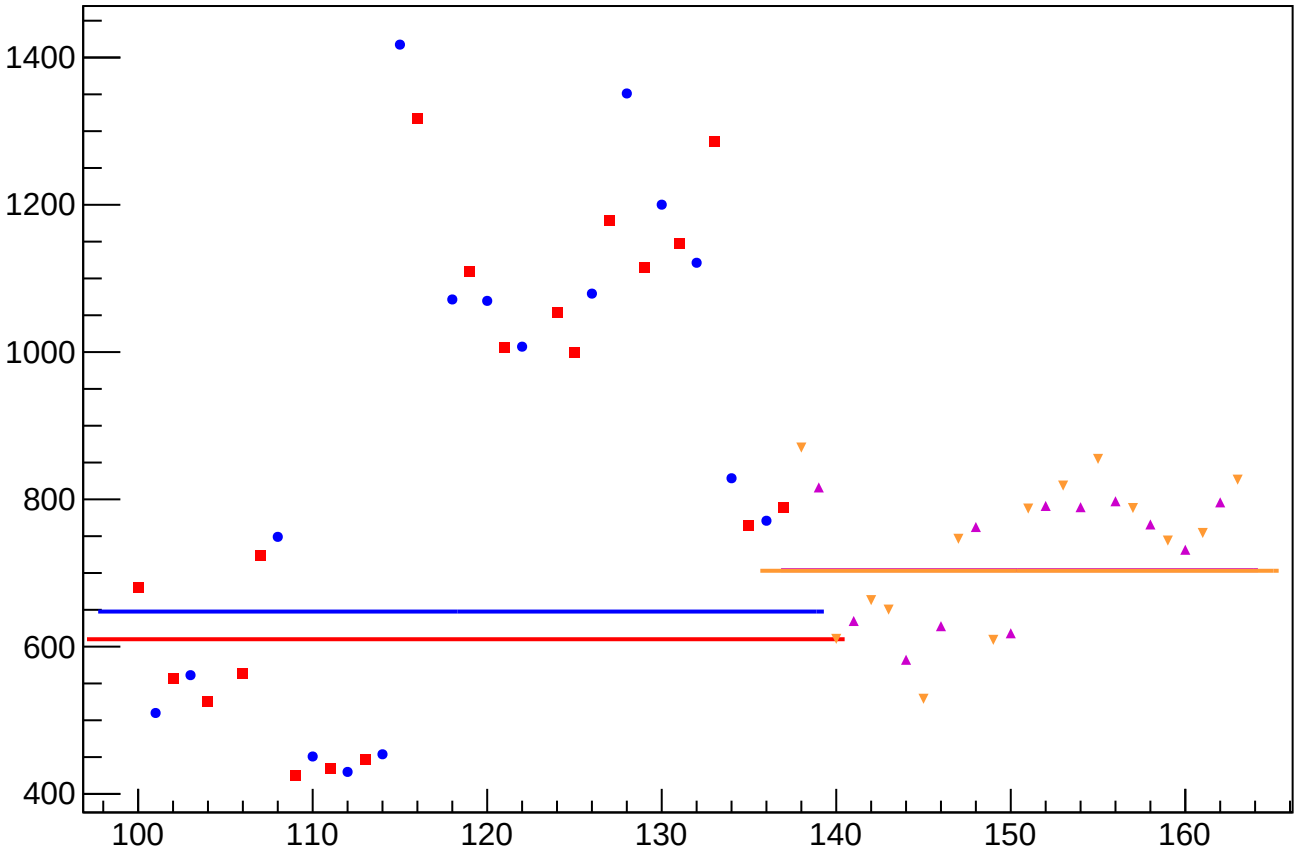
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -249.649+/-221.100 χ^2/NDF:7.7/11

+ sign -674.485+/-164.619 χ^2/NDF: 49.3/29

All: -526.812+/-115.825 χ^2/NDF: 73.0/60

- sign -382.035+/-162.997 χ^2/NDF: 22.1/30



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 703.038+/-0.151 χ^2/NDF:502867.7/13

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

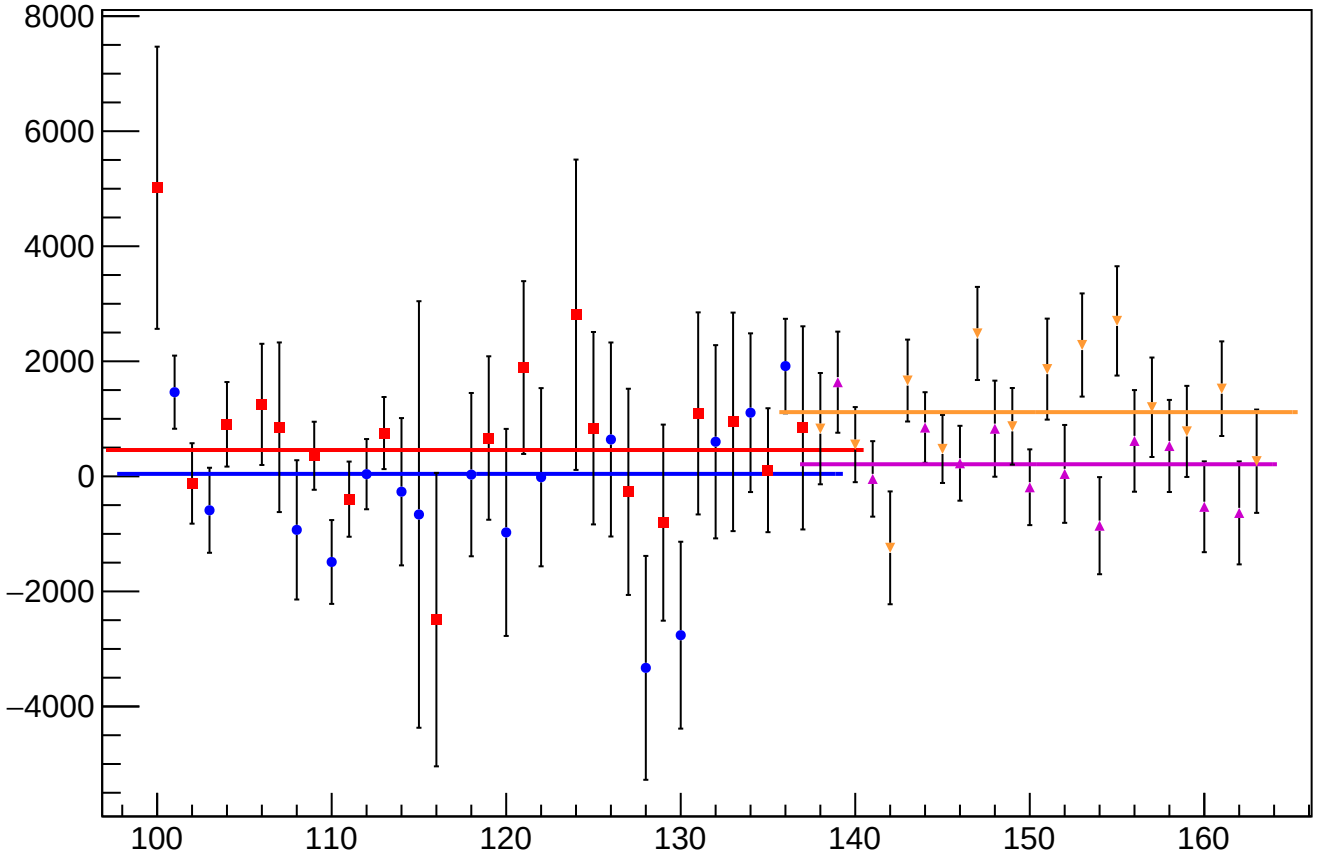
Left In: 703.857+/-0.156 χ^2/NDF:299541.1/11

+ sign 680.728+/-0.116 χ^2/NDF: 2445170.6/29

All: 670.784+/-0.082 χ^2/NDF: 4997734.5/60

- sign 661.036+/-0.115 χ^2/NDF: 2538113.2/30

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1116.559+/-211.448 χ^2/NDF:17.9/13

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

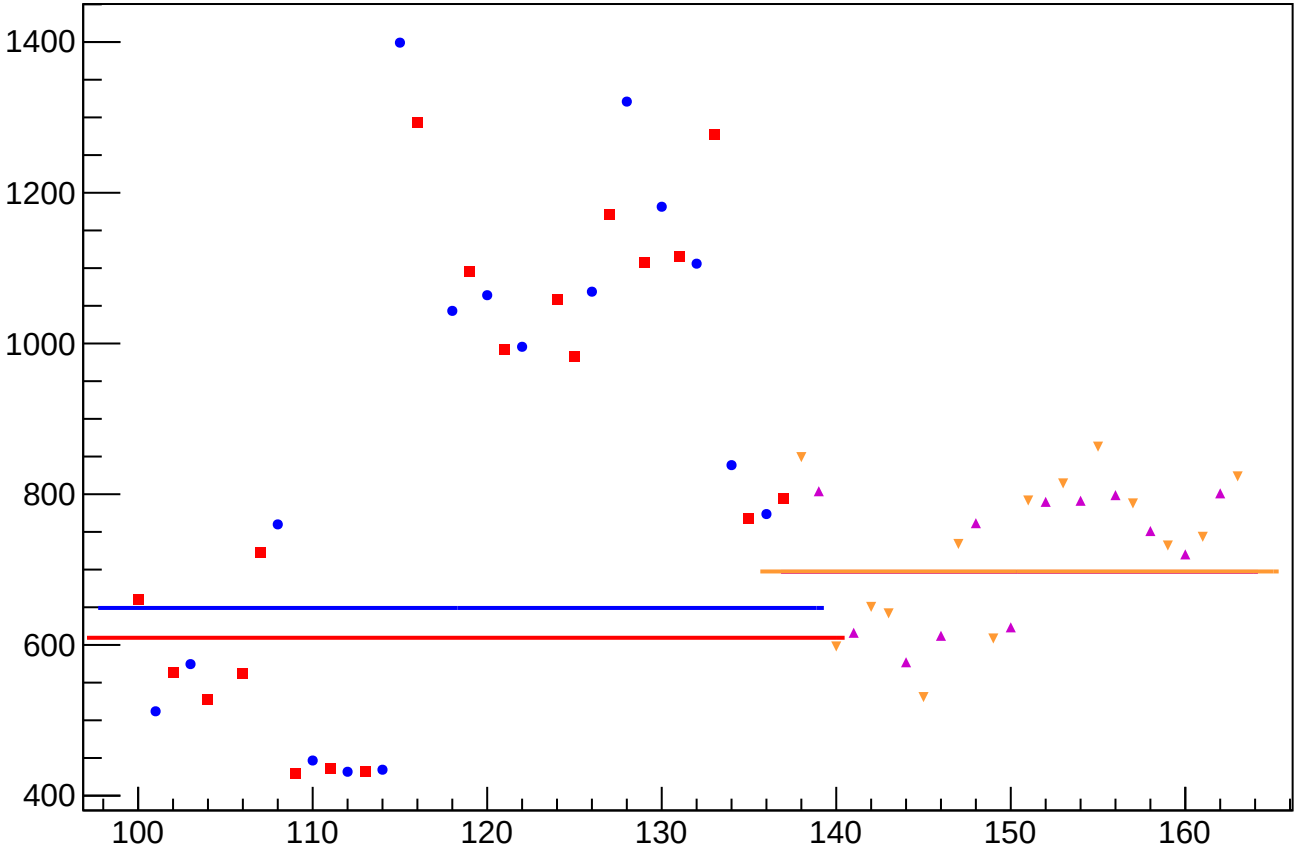
Left In: 210.524+/-218.979 χ^2/NDF:8.6/11

+ sign 688.836+/-163.995 χ^2/NDF: 51.4/29

All: 503.510+/-115.288 χ^2/NDF: 74.3/60

- sign 322.432+/-162.105 χ^2/NDF: 20.4/30

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 697.496+/-0.150 χ^2/NDF:499970.8/13

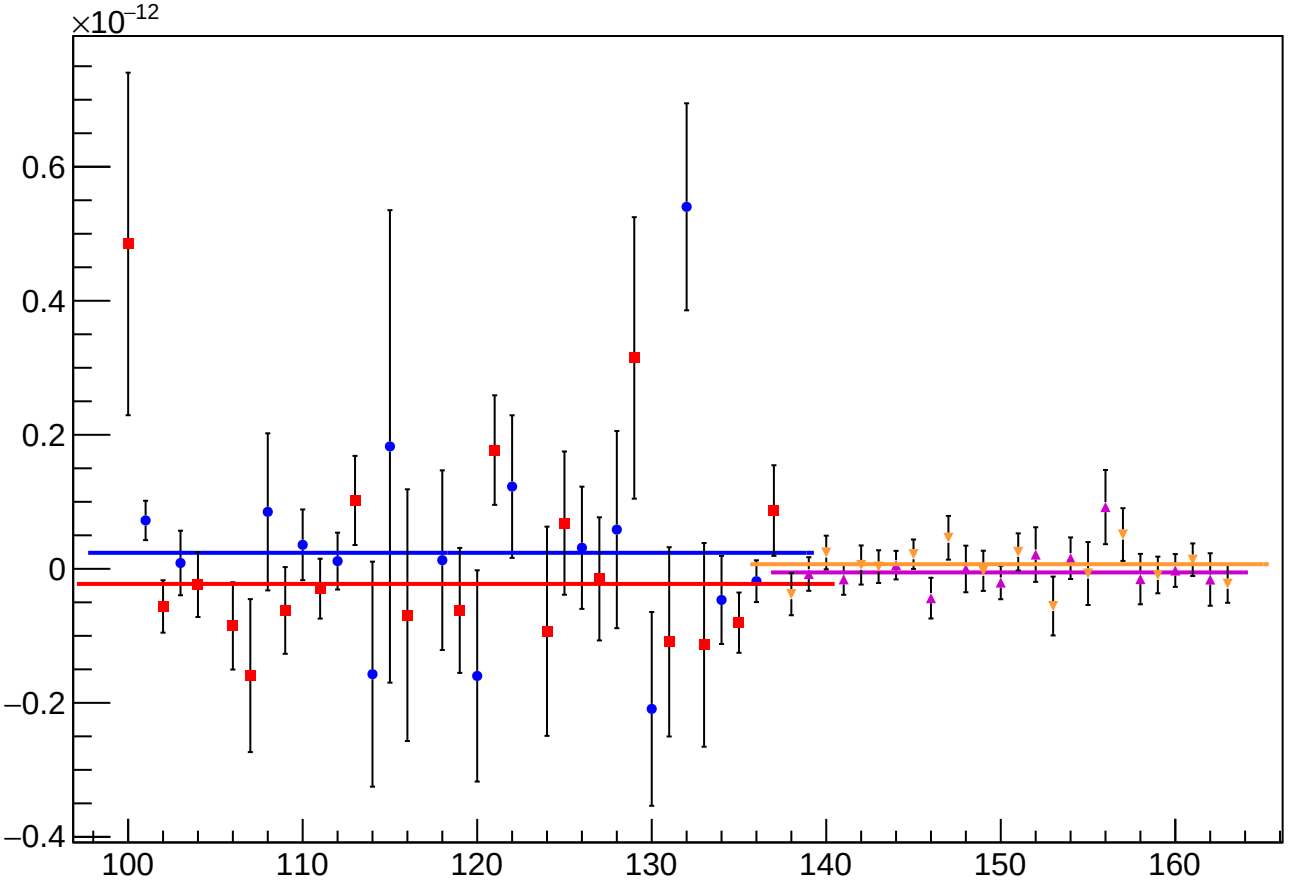
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 696.894+/-0.155 χ^2/NDF:320705.1/11

+ sign 678.208+/-0.116 χ^2/NDF: 2387551.4/29

All: 667.683+/-0.082 χ^2/NDF: 4912065.8/60

- sign 657.400+/-0.115 χ^2/NDF: 2508228.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

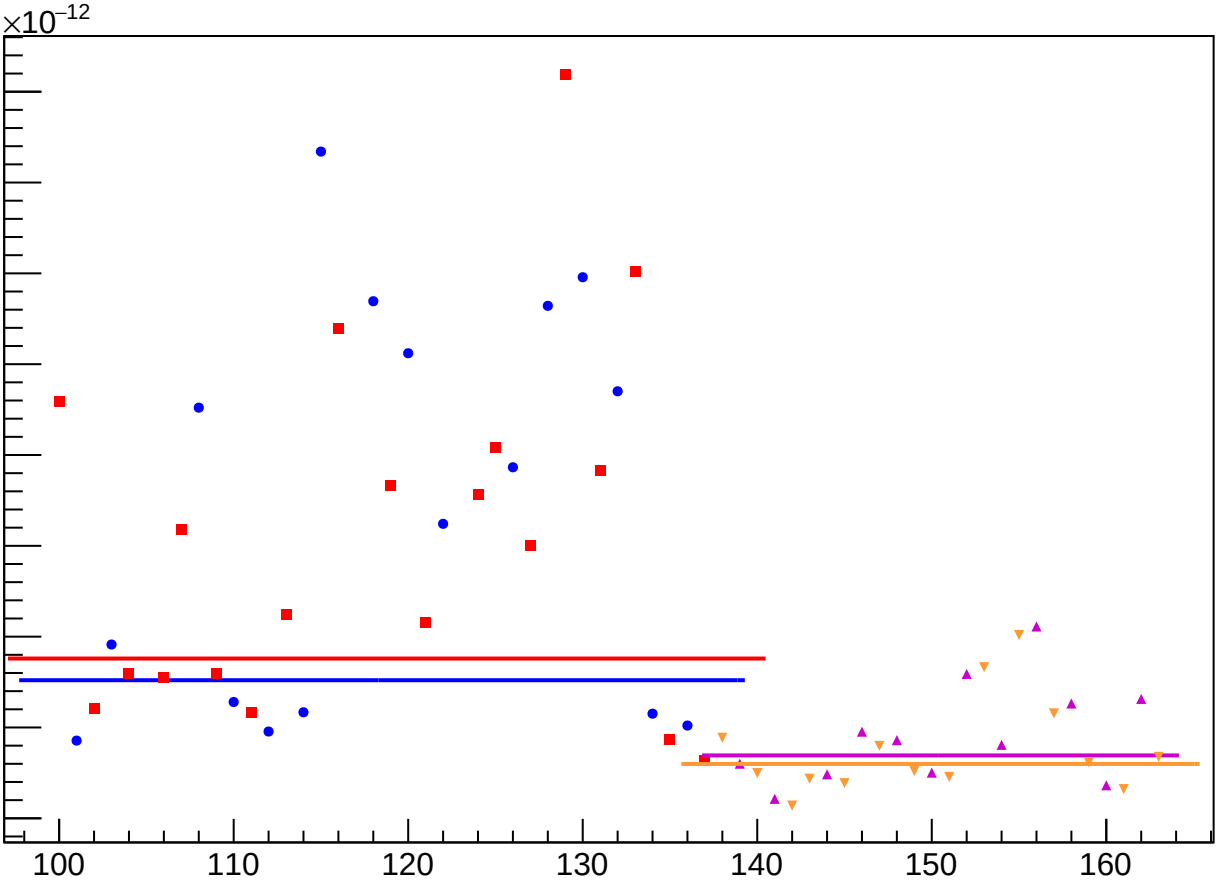
Left In: -0.000+/-0.000 χ^2/NDF:6.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/29

All: 0.000+/-0.000 χ^2/NDF: 71.2/60

- sign -0.000+/-0.000 χ^2/NDF: 33.2/30

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:478229.6/13

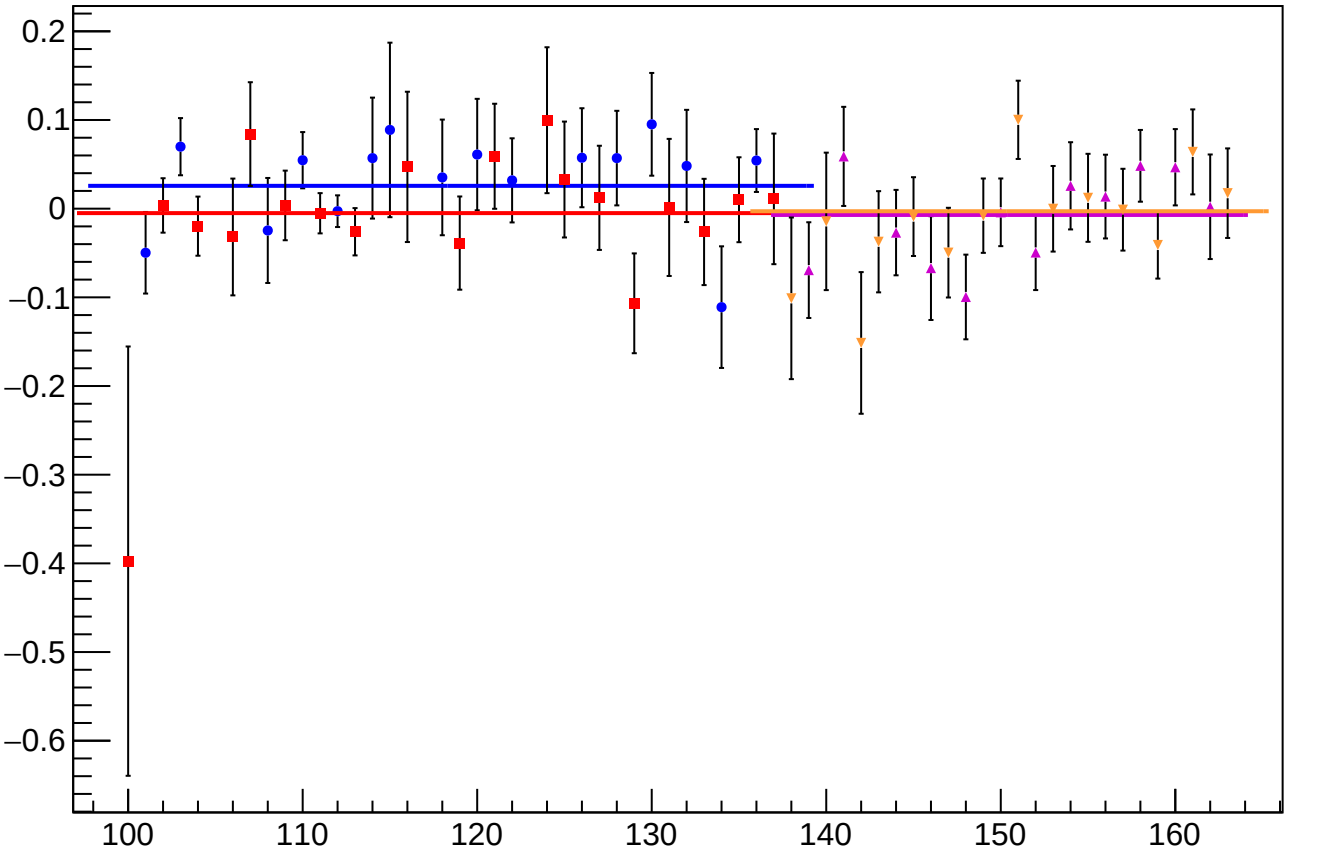
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:502704.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 2374440.6/29

All: 0.000+/-0.000 χ^2/NDF: 4571253.8/60

- sign 0.000+/-0.000 χ^2/NDF: 2165240.5/30



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

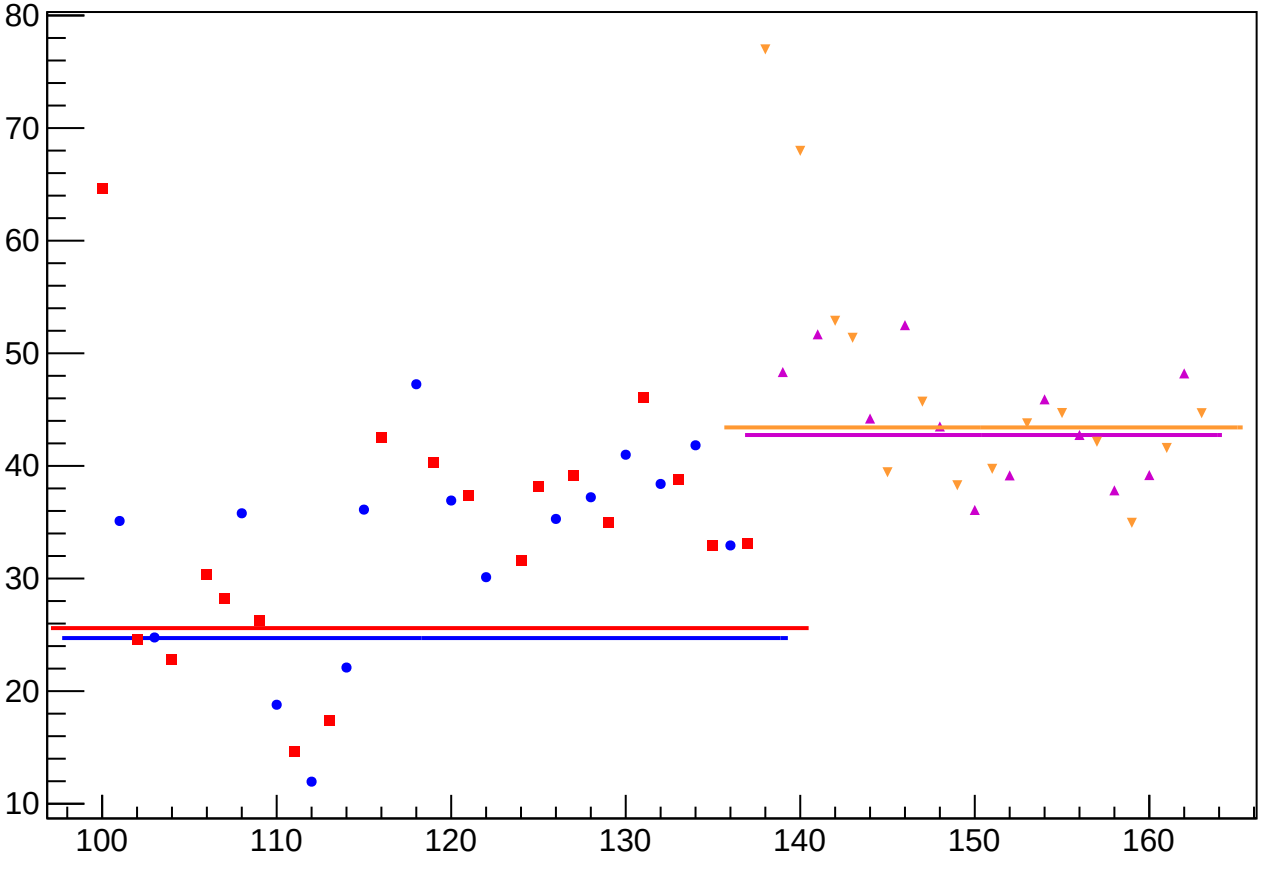
Left In: -0.007+/-0.014 χ^2/NDF:12.8/11

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 63.6/60

- sign -0.006+/-0.008 χ^2/NDF: 26.4/30

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: 43.418+/-0.009 χ^2/NDF:710230.1/13

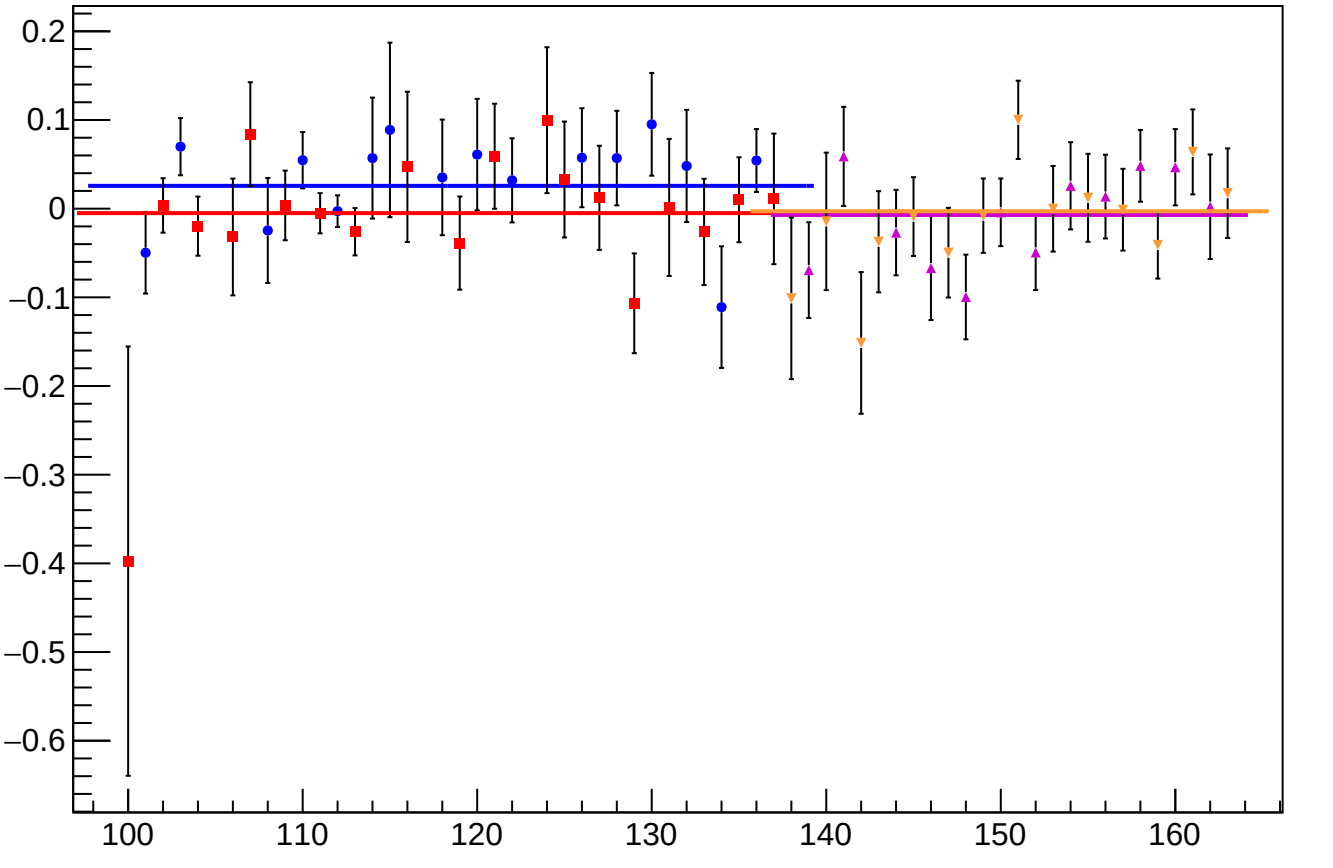
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.743+/-0.010 χ^2/NDF:274441.1/11

+ sign 31.700+/-0.006 χ^2/NDF: 5442483.4/29

All: 31.778+/-0.004 χ^2/NDF: 9327169.0/60

- sign 31.857+/-0.006 χ^2/NDF: 3884319.0/30



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

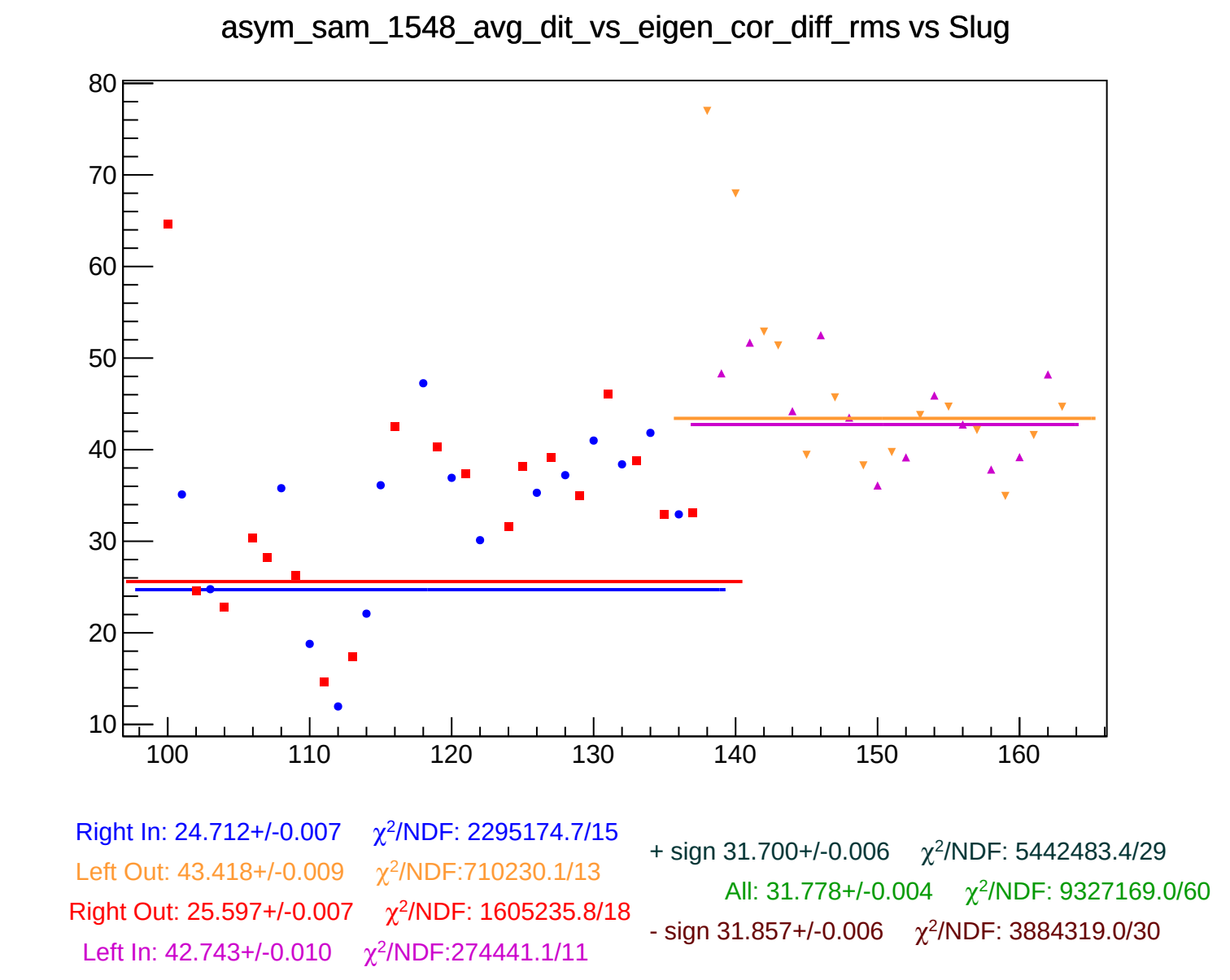
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

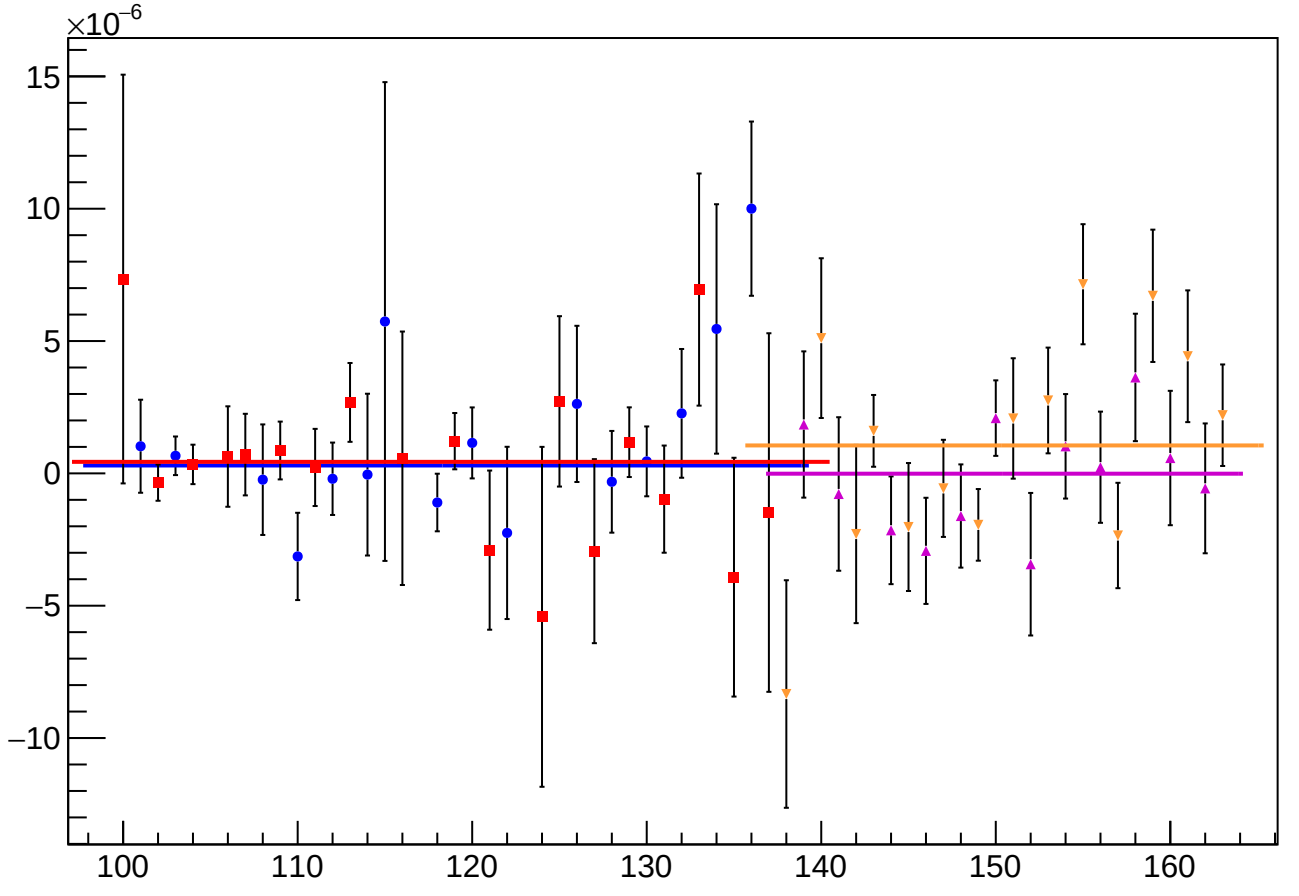
Left In: -0.007+/-0.014 χ^2/NDF:12.8/11

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 63.6/60

- sign -0.006+/-0.008 χ^2/NDF: 26.4/30


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
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.418+/-0.009 χ²/NDF:710230.1/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.743+/-0.010 χ²/NDF:274441.1/11
+ sign 31.700+/-0.006 χ²/NDF: 5442483.4/29
All: 31.778+/-0.004 χ²/NDF: 9327169.0/60
- sign 31.857+/-0.006 χ²/NDF: 3884319.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.4/13

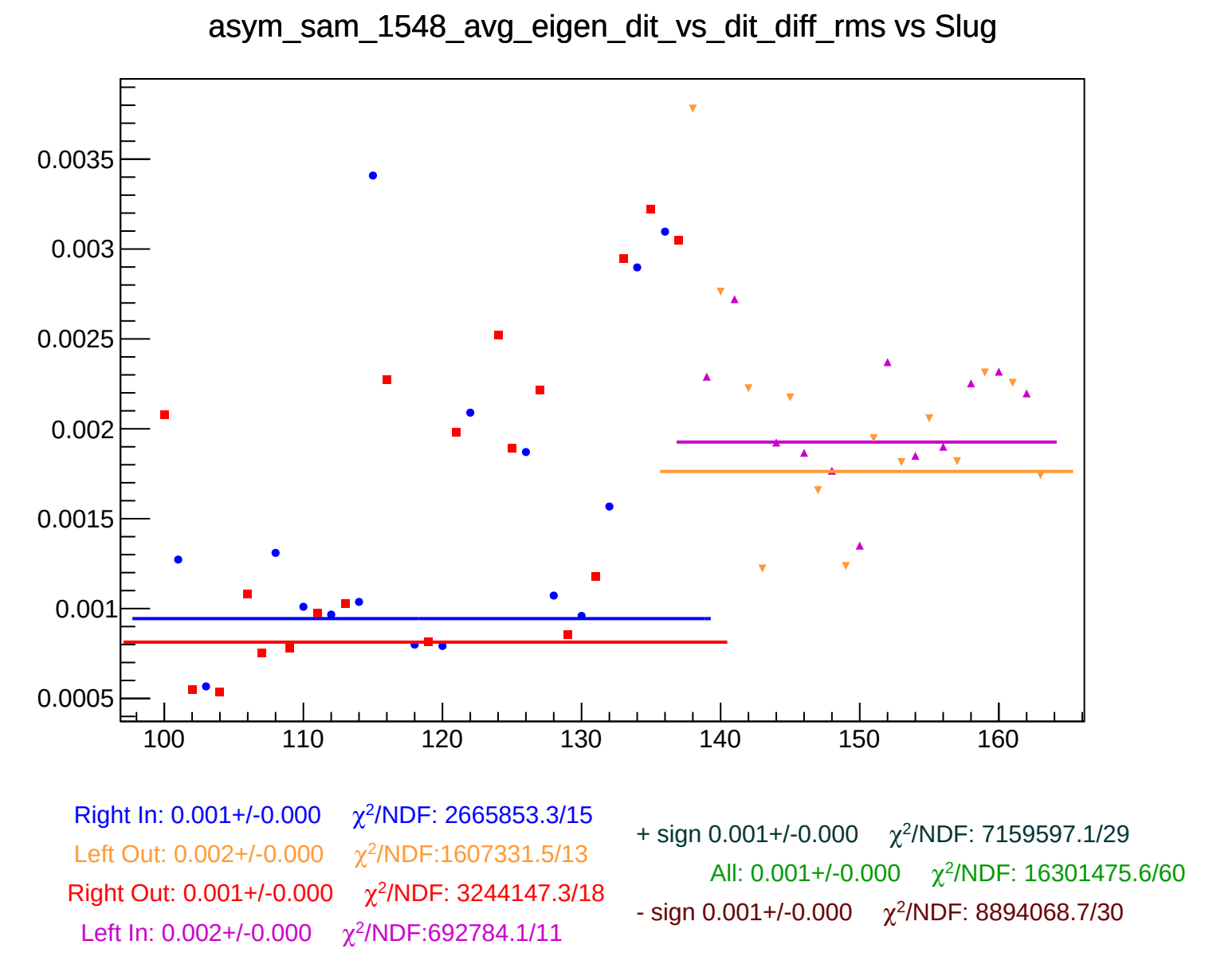
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

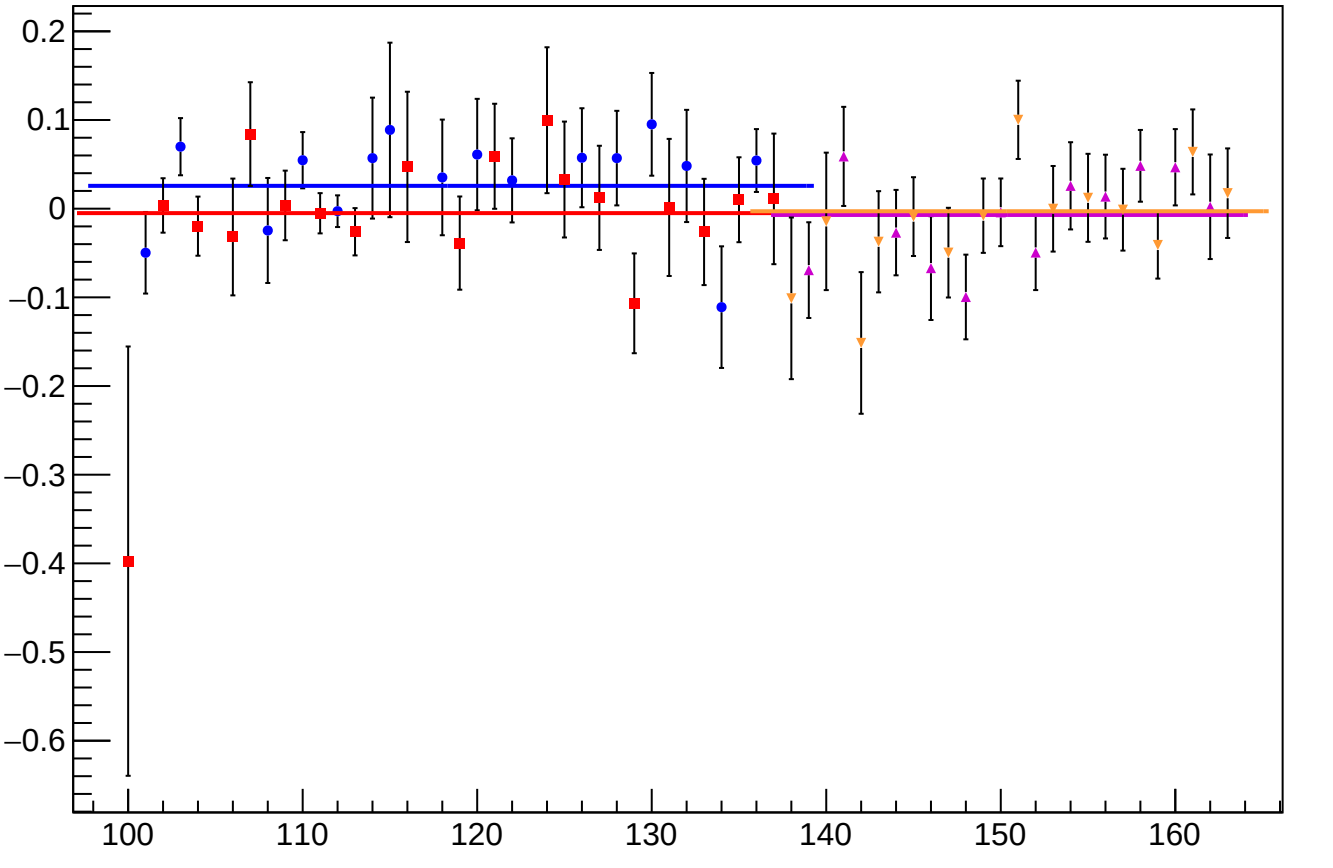
Left In: -0.000+/-0.000 χ^2/NDF:10.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/29

All: 0.000+/-0.000 χ^2/NDF: 78.2/60

- sign 0.000+/-0.000 χ^2/NDF: 24.0/30


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
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607331.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:692784.1/11
+ sign 0.001+/-0.000 χ²/NDF: 7159597.1/29
All: 0.001+/-0.000 χ²/NDF: 16301475.6/60
- sign 0.001+/-0.000 χ²/NDF: 8894068.7/30



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

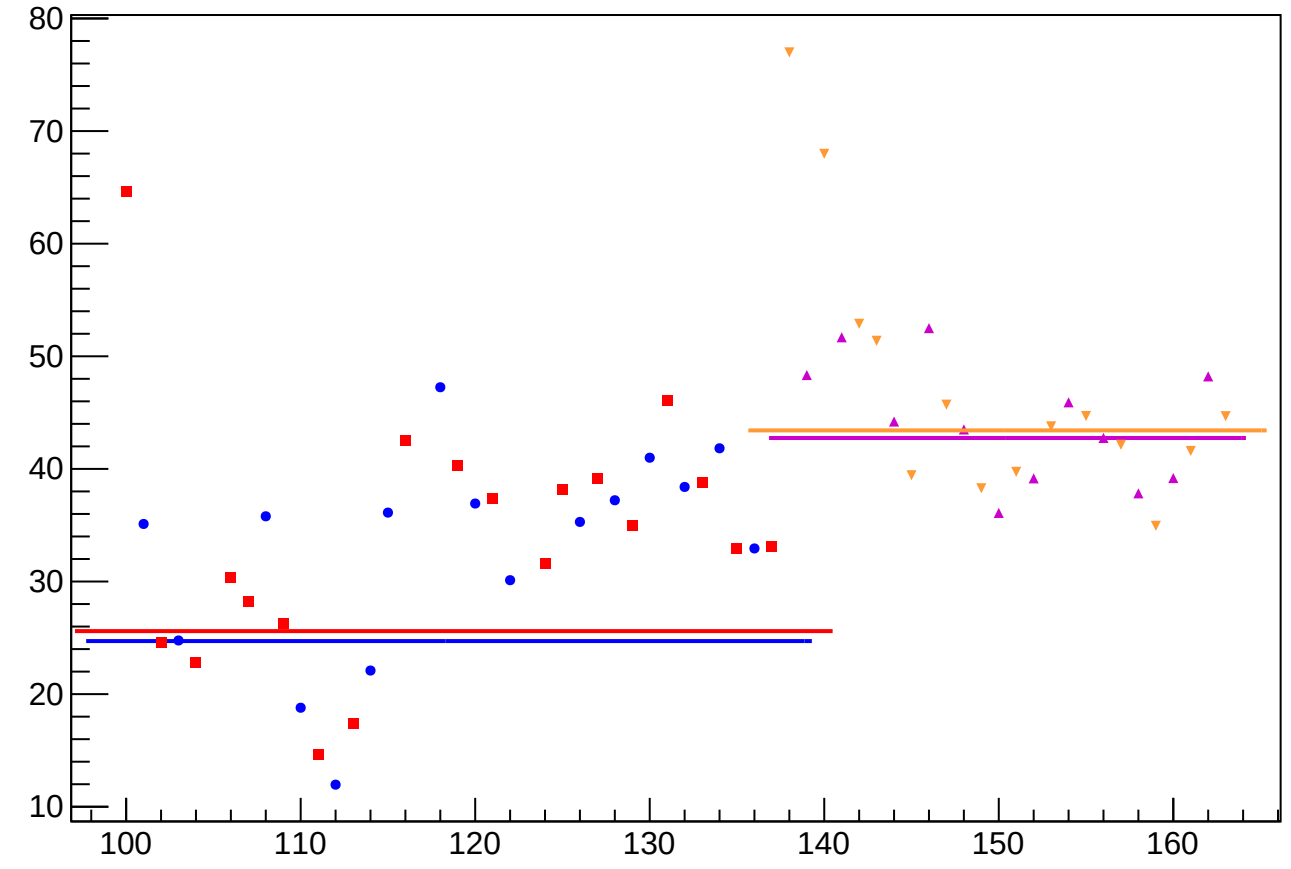
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.014 χ^2/NDF:12.8/11

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 63.6/60

- sign -0.006+/-0.008 χ^2/NDF: 26.4/30



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.419+/-0.009 χ^2/NDF:710226.9/13

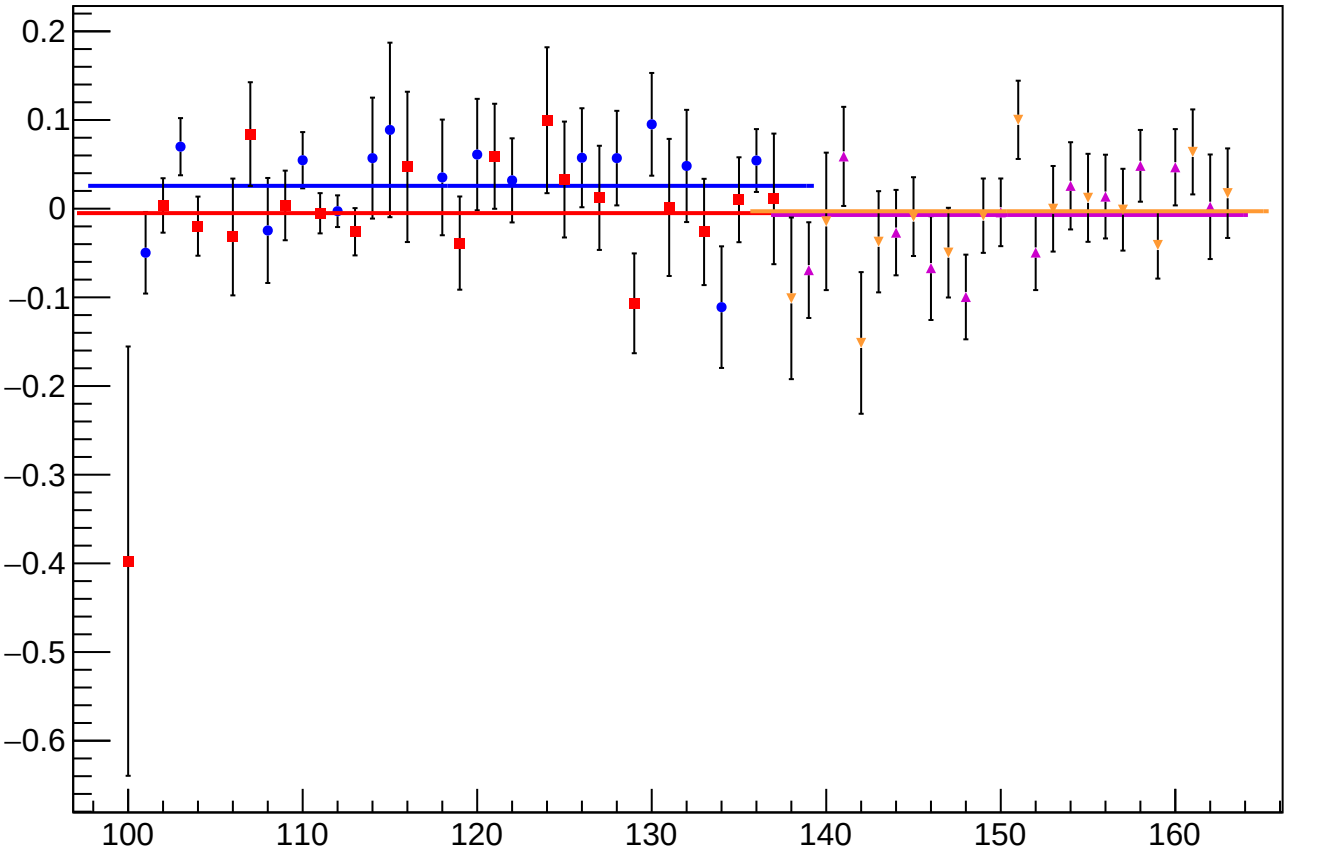
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.744+/-0.010 χ^2/NDF:274448.0/11

+ sign 31.699+/-0.006 χ^2/NDF: 5442909.4/29

All: 31.778+/-0.004 χ^2/NDF: 9327942.3/60

- sign 31.857+/-0.006 χ^2/NDF: 3884665.6/30



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

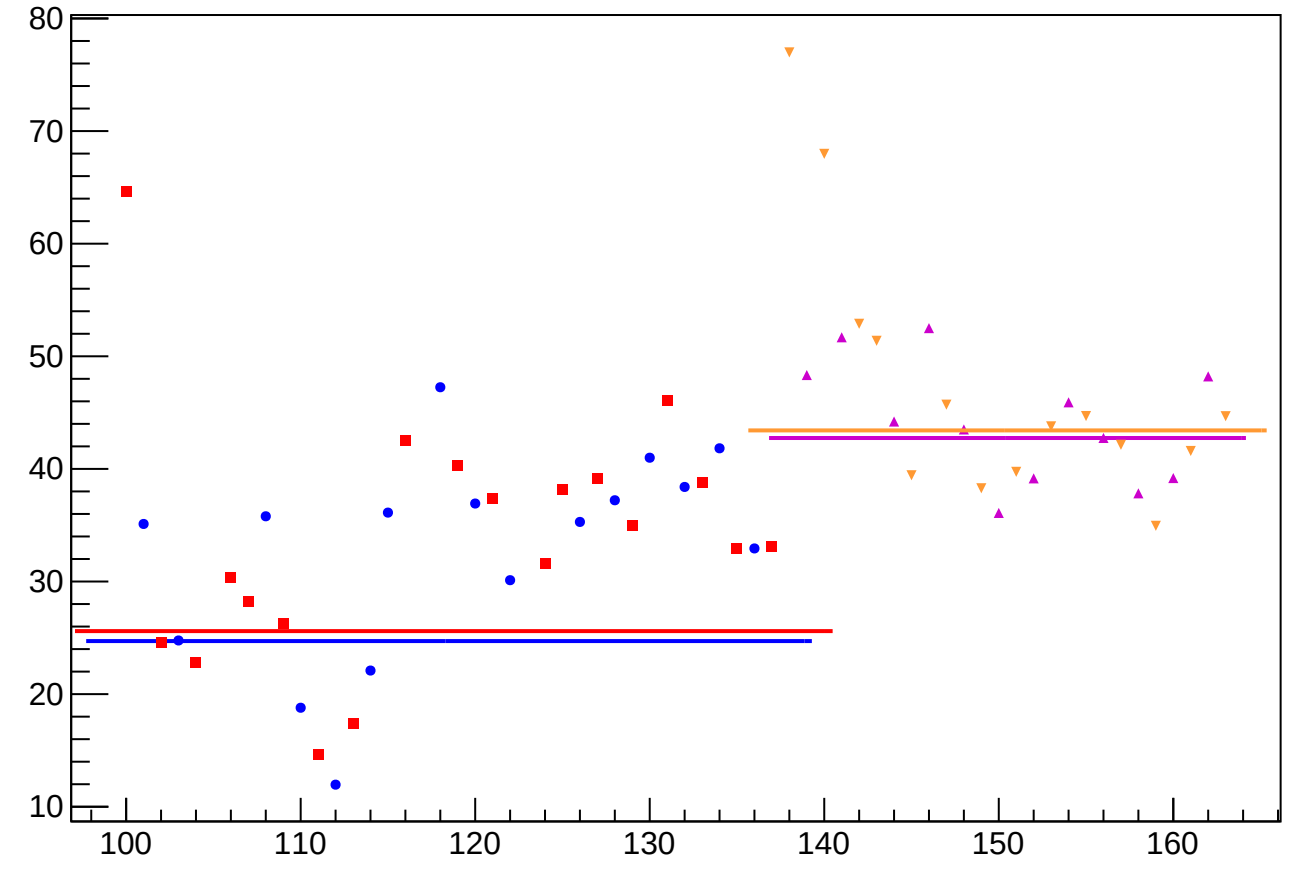
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.007+/-0.014 χ^2/NDF:12.8/11

+ sign 0.015+/-0.008 χ^2/NDF: 33.9/29

All: 0.005+/-0.006 χ^2/NDF: 63.6/60

- sign -0.006+/-0.008 χ^2/NDF: 26.4/30



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.419+/-0.009 χ^2/NDF:710226.9/13

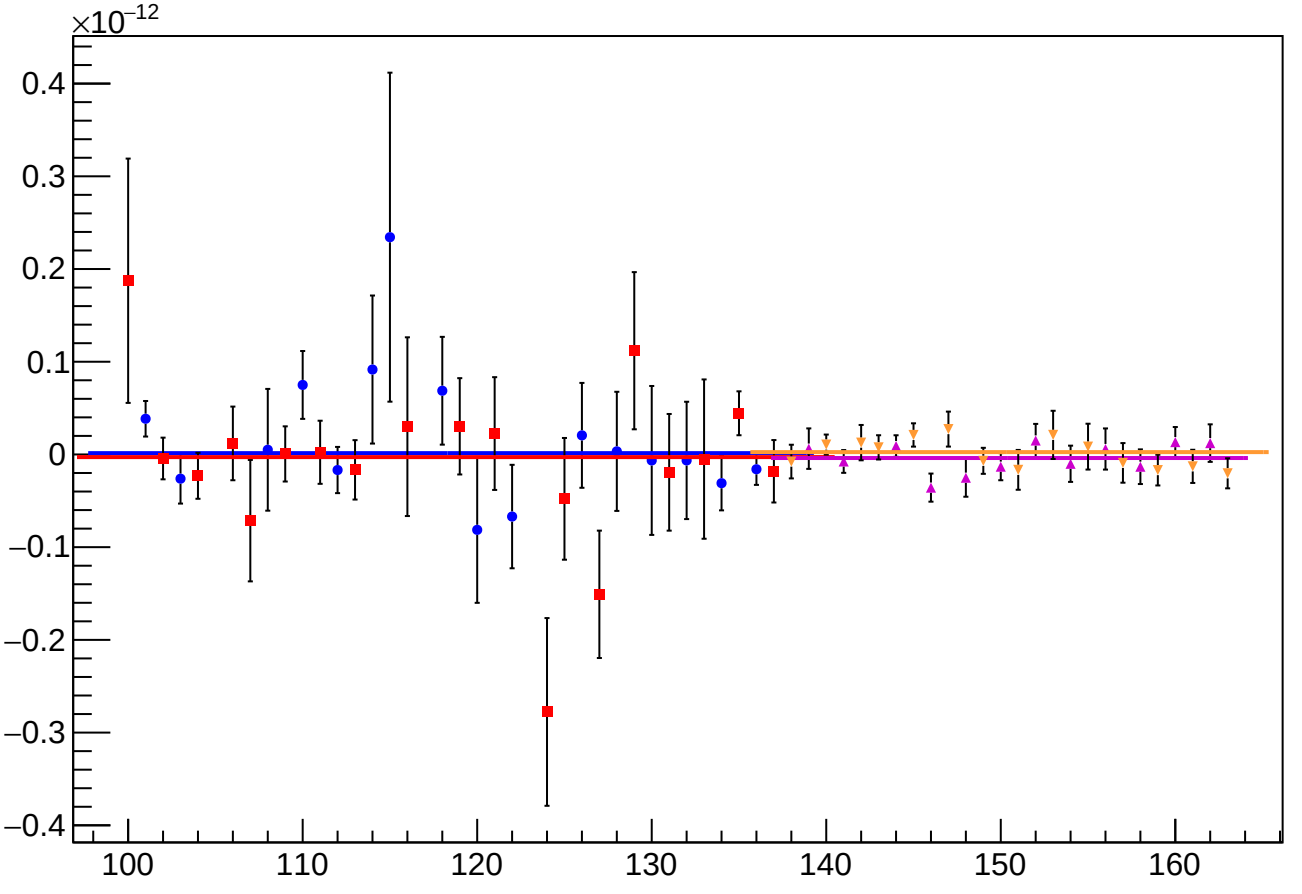
Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.744+/-0.010 χ^2/NDF:274448.0/11

+ sign 31.699+/-0.006 χ^2/NDF: 5442909.4/29

All: 31.778+/-0.004 χ^2/NDF: 9327942.3/60

- sign 31.857+/-0.006 χ^2/NDF: 3884665.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

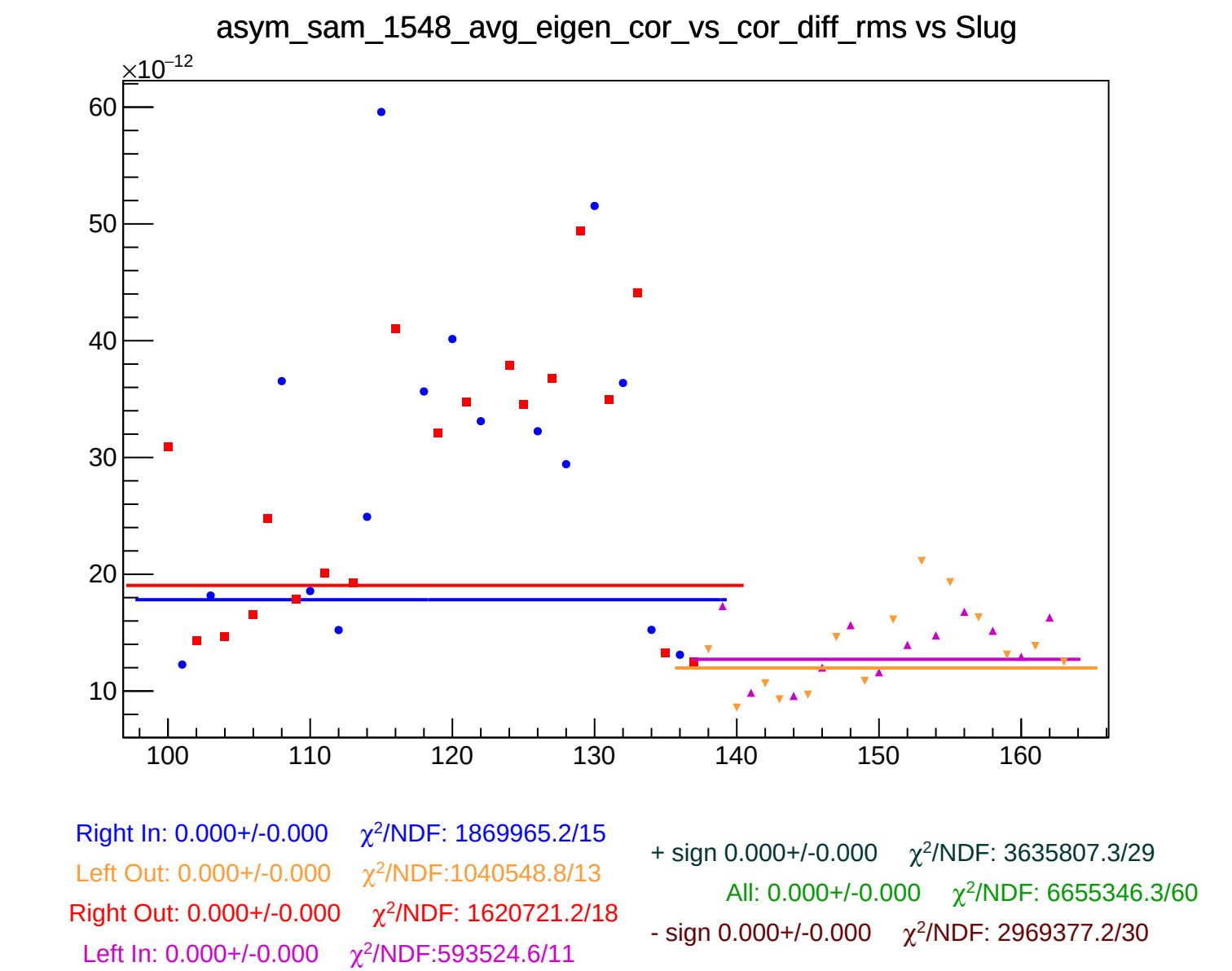
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/11

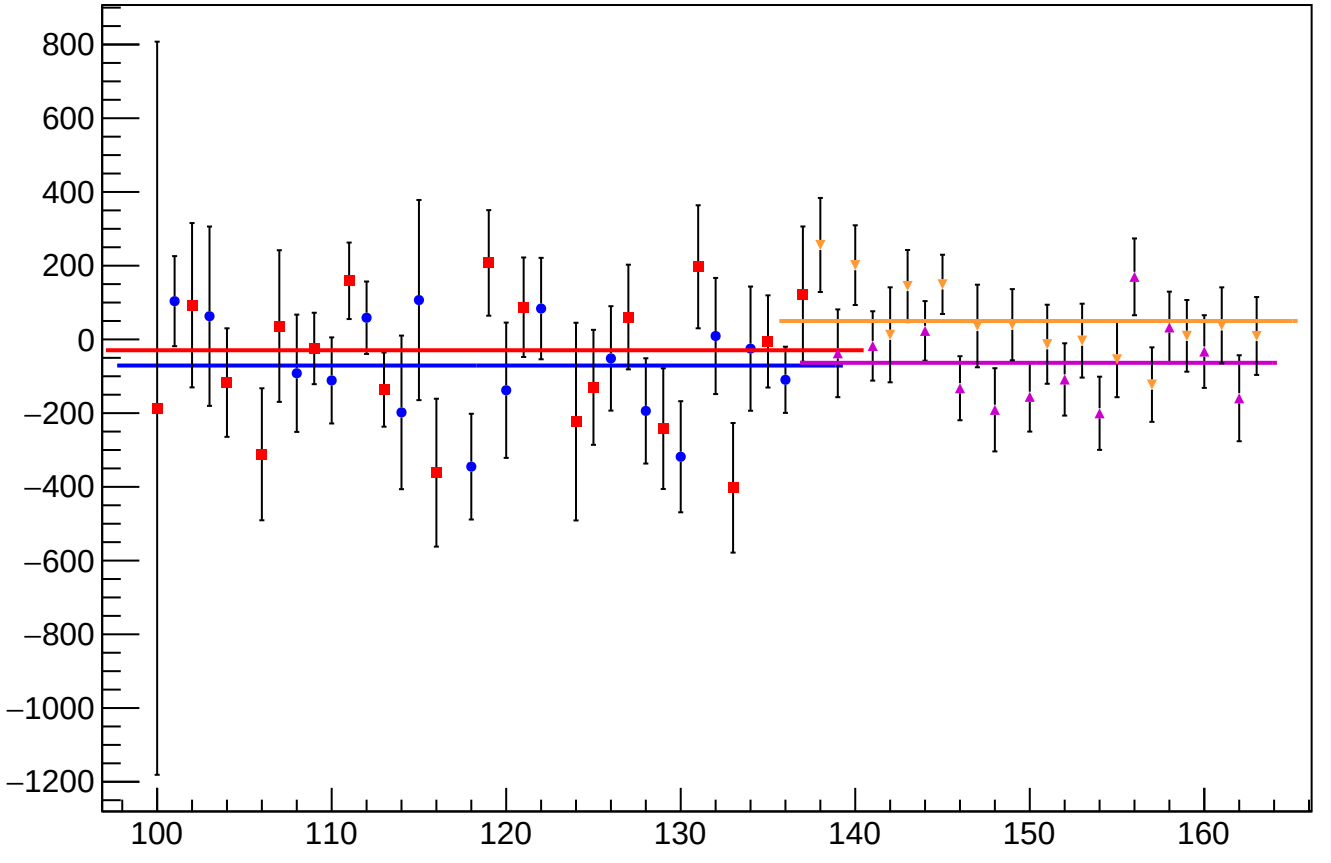
+ sign 0.000+/-0.000 χ^2/NDF: 30.2/29

All: -0.000+/-0.000 χ^2/NDF: 65.6/60

- sign -0.000+/-0.000 χ^2/NDF: 34.4/30


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1040548.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:593524.6/11
+ sign 0.000+/-0.000 χ²/NDF: 3635807.3/29
All: 0.000+/-0.000 χ²/NDF: 6655346.3/60
- sign 0.000+/-0.000 χ²/NDF: 2969377.2/30

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.882+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

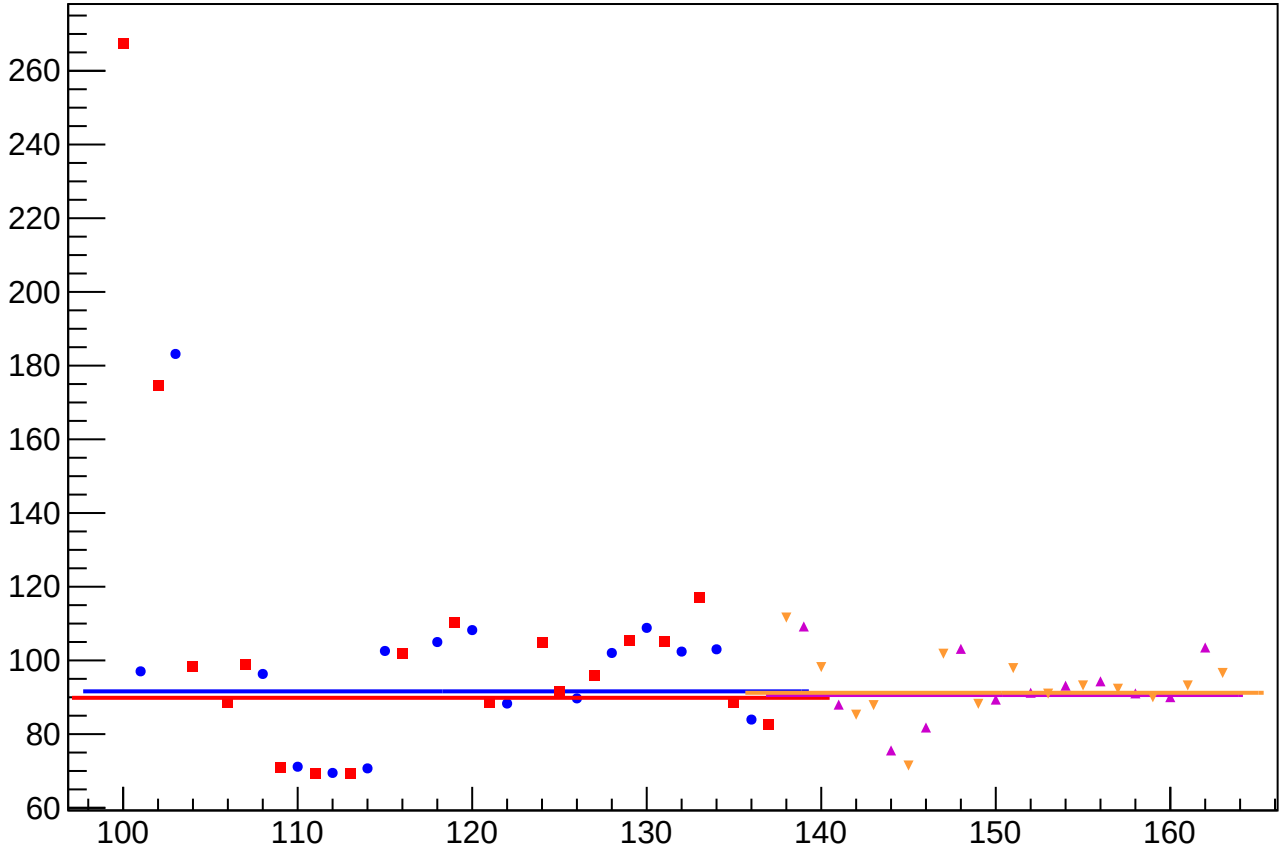
Left In: -63.479+/-28.396 χ^2/NDF:13.2/11

+ sign 3.983+/-21.652 χ^2/NDF: 33.4/29

All: -22.553+/-15.383 χ^2/NDF: 74.3/60

- sign -49.597+/-21.858 χ^2/NDF: 37.8/30

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

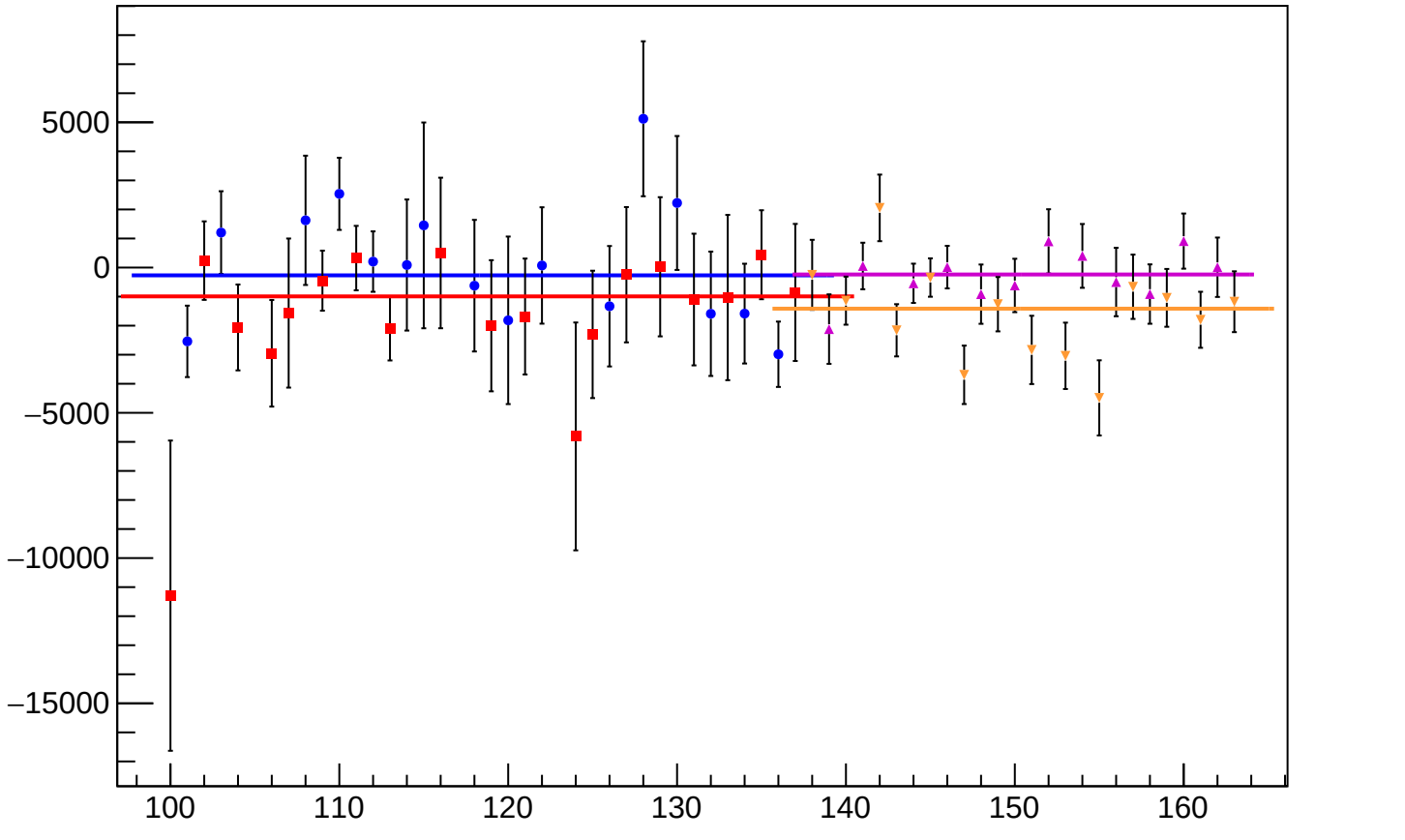
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

+ sign 91.367+/-0.015 χ^2/NDF: 802489.7/29

All: 90.839+/-0.011 χ^2/NDF: 1745454.6/60

- sign 90.301+/-0.015 χ^2/NDF: 940566.9/30



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1415.390+/-262.804 χ^2/NDF:28.6/13

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

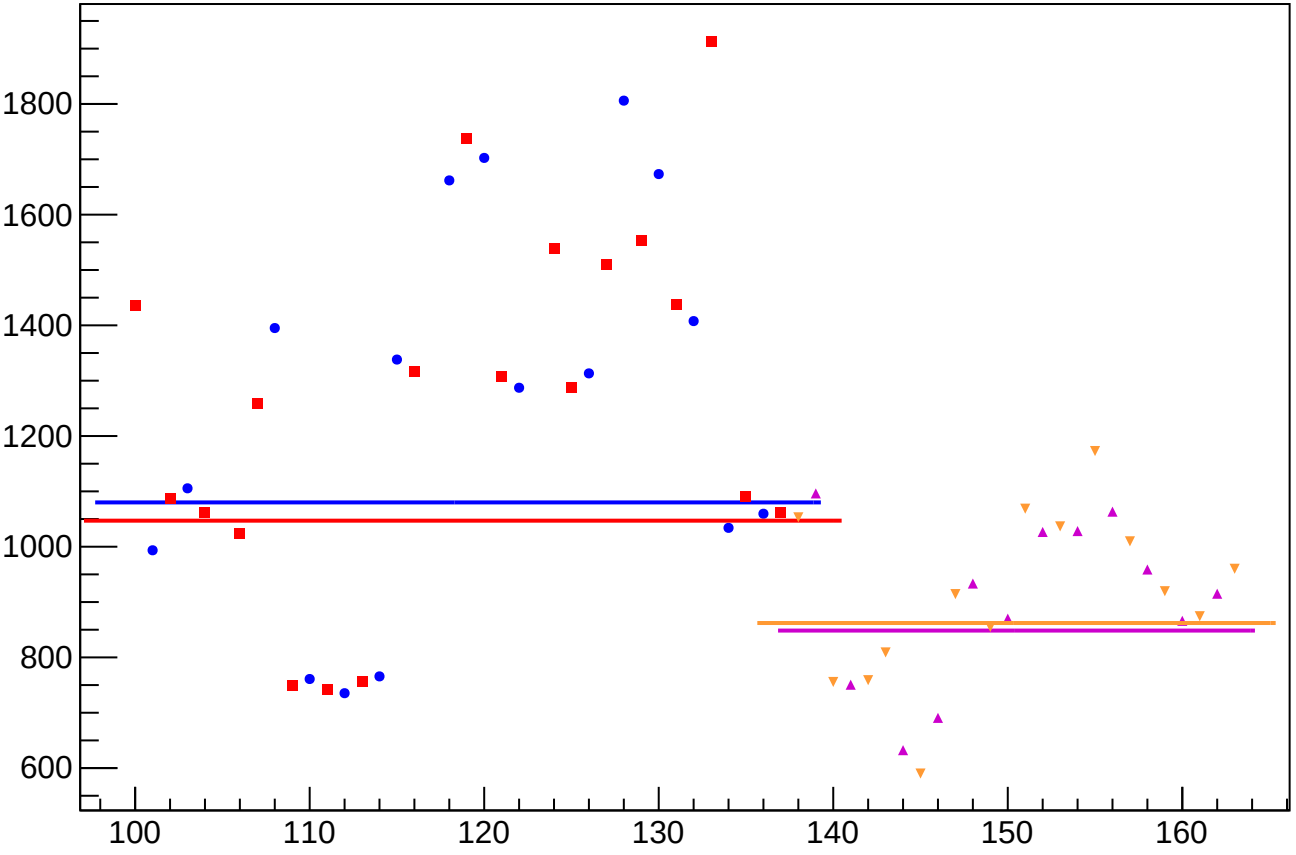
Left In: -238.913+/-268.742 χ^2/NDF:6.9/11

+ sign -1092.222+/-222.722 χ^2/NDF: 57.4/29

All: -783.130+/-157.662 χ^2/NDF: 83.3/60

- sign -472.671+/-223.214 χ^2/NDF: 22.1/30

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 862.138+/-0.186 χ^2/NDF:735912.8/13

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

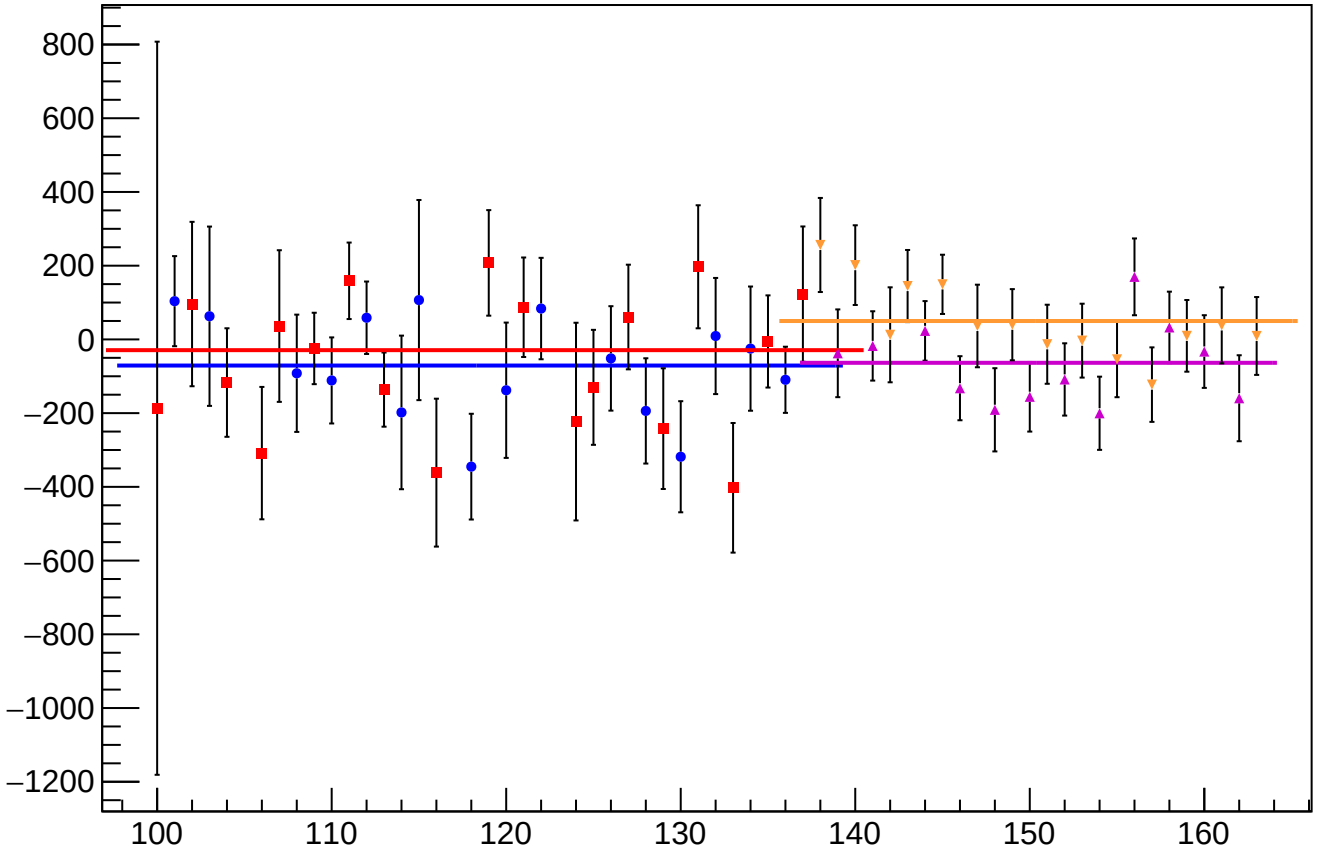
Left In: 848.474+/-0.190 χ^2/NDF:632504.1/11

\+ sign 923.539+/-0.157 χ^2/NDF: 2176824.0/29

All: 916.815+/-0.111 χ^2/NDF: 4350335.4/60

\- sign 910.062+/-0.158 χ^2/NDF: 2169858.2/30

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

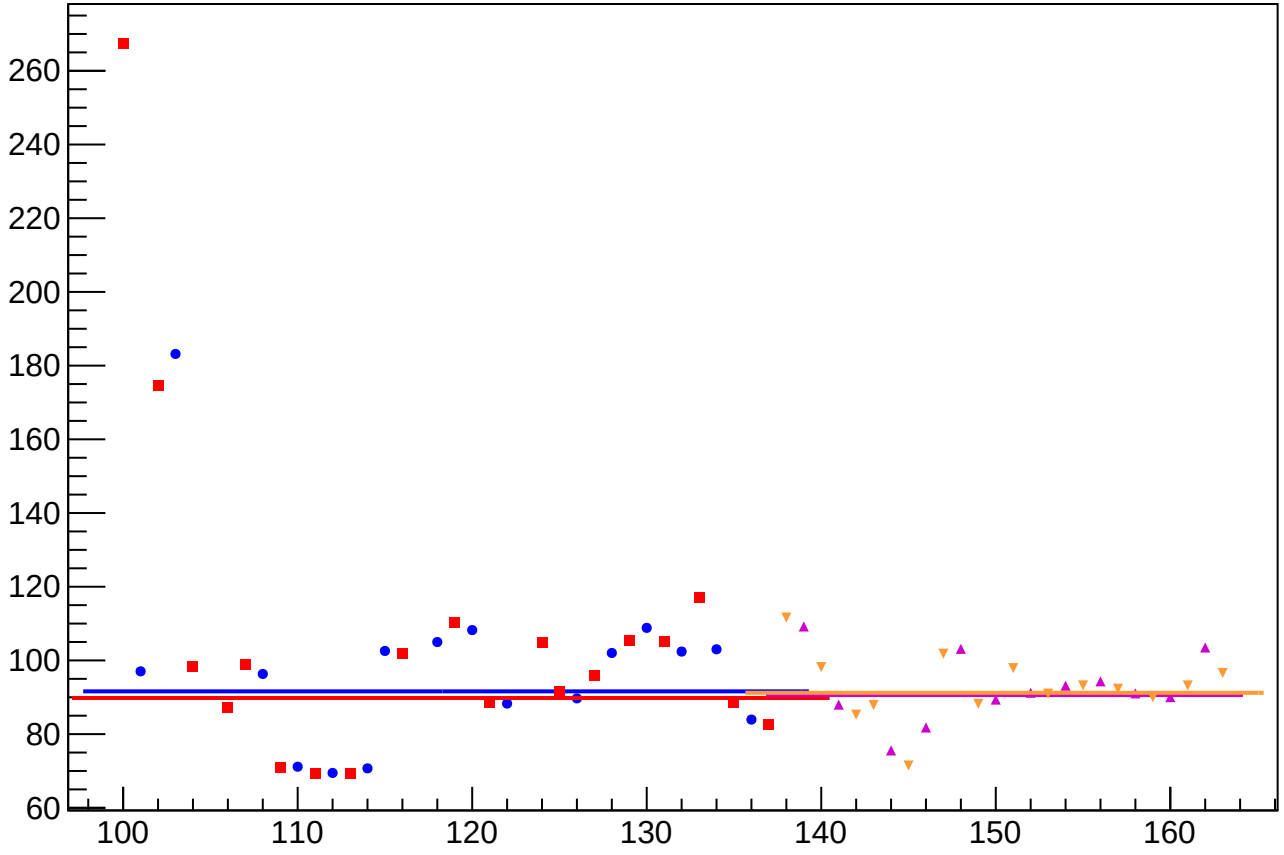
Left In: -63.481+/-28.396 χ^2/NDF:13.2/11

+ sign 3.982+/-21.652 χ^2/NDF: 33.4/29

All: -22.503+/-15.383 χ^2/NDF: 74.2/60

- sign -49.498+/-21.859 χ^2/NDF: 37.7/30

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

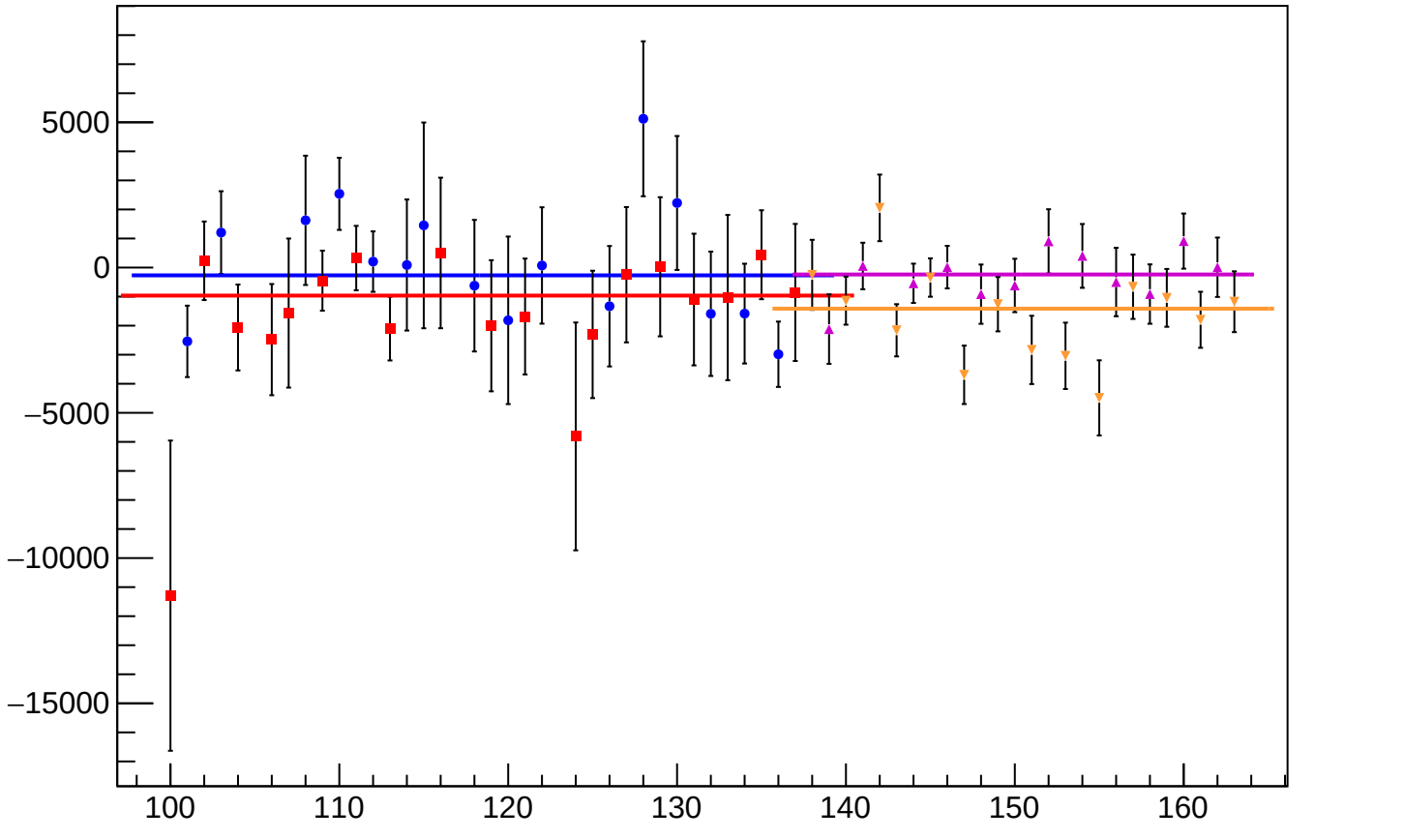
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

+ sign 91.367+/-0.015 χ^2/NDF: 802492.8/29

All: 90.829+/-0.011 χ^2/NDF: 1746164.0/60

- sign 90.282+/-0.015 χ^2/NDF: 941185.7/30



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

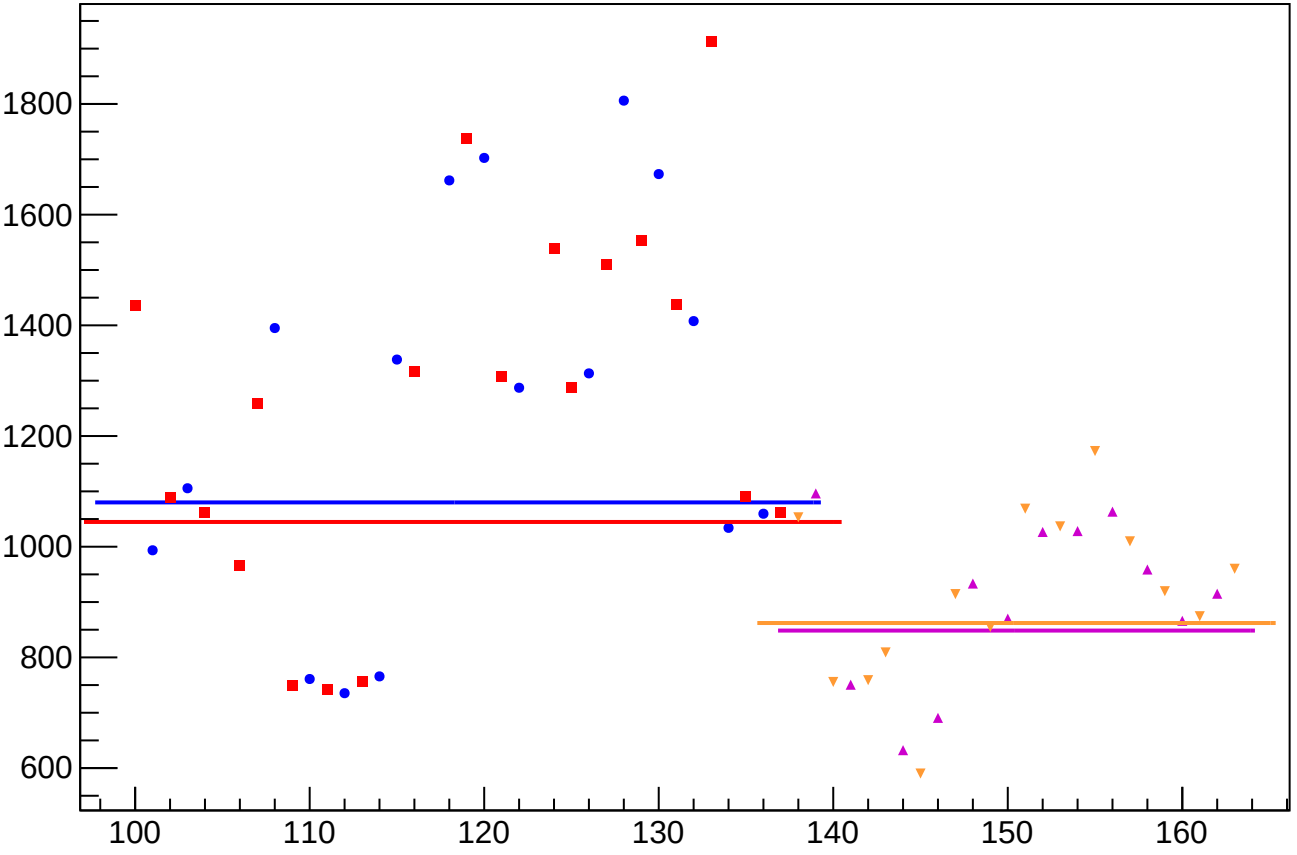
Left In: -238.917+/-268.742 χ^2/NDF:6.9/11

+ sign -1092.229+/-222.722 χ^2/NDF: 57.4/29

All: -778.735+/-157.711 χ^2/NDF: 82.7/60

- sign -463.462+/-223.353 χ^2/NDF: 21.3/30

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

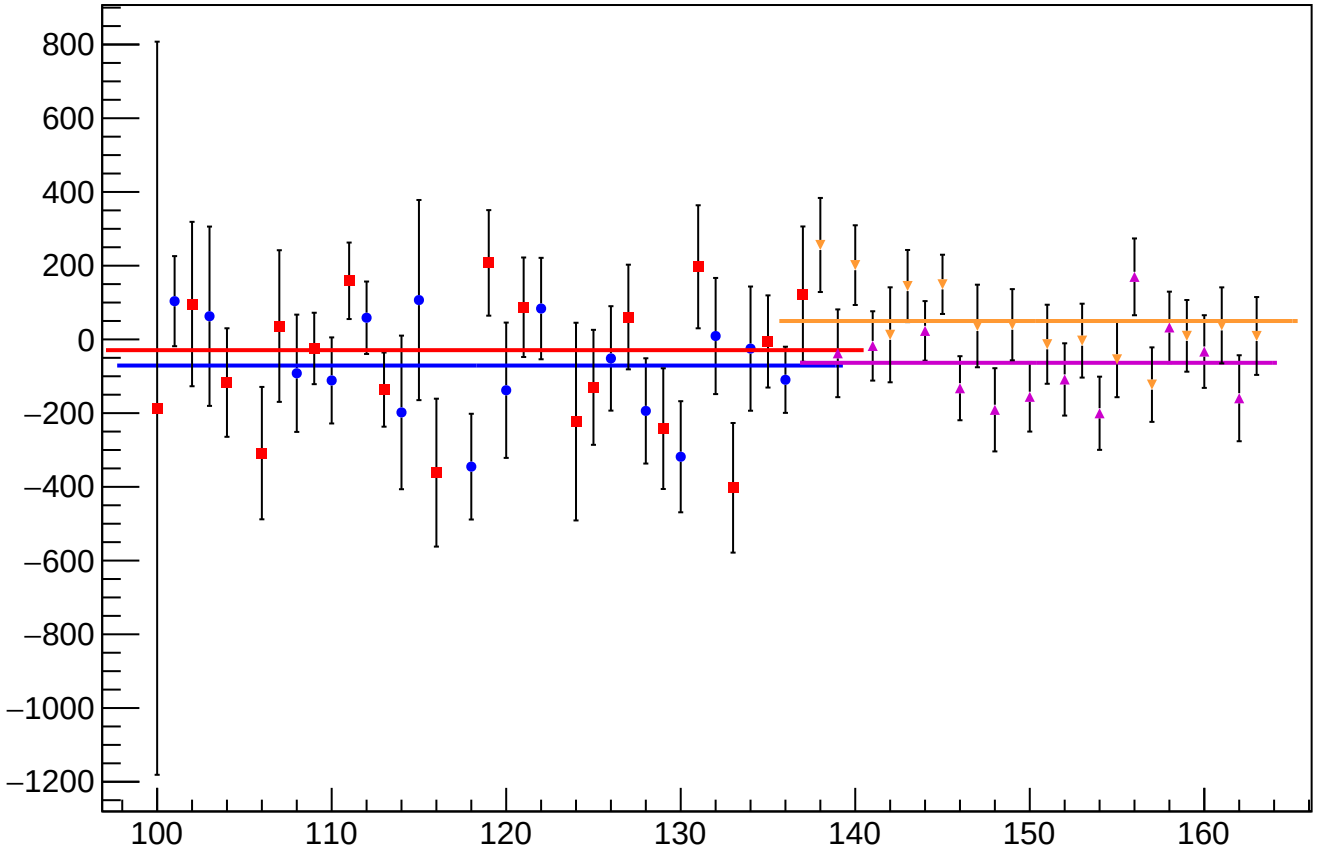
Left In: 848.474+/-0.190 χ^2/NDF:632502.5/11

+ sign 923.540+/-0.157 χ^2/NDF: 2176860.0/29

All: 916.373+/-0.112 χ^2/NDF: 4345159.4/60

- sign 909.164+/-0.158 χ^2/NDF: 2164144.9/30

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

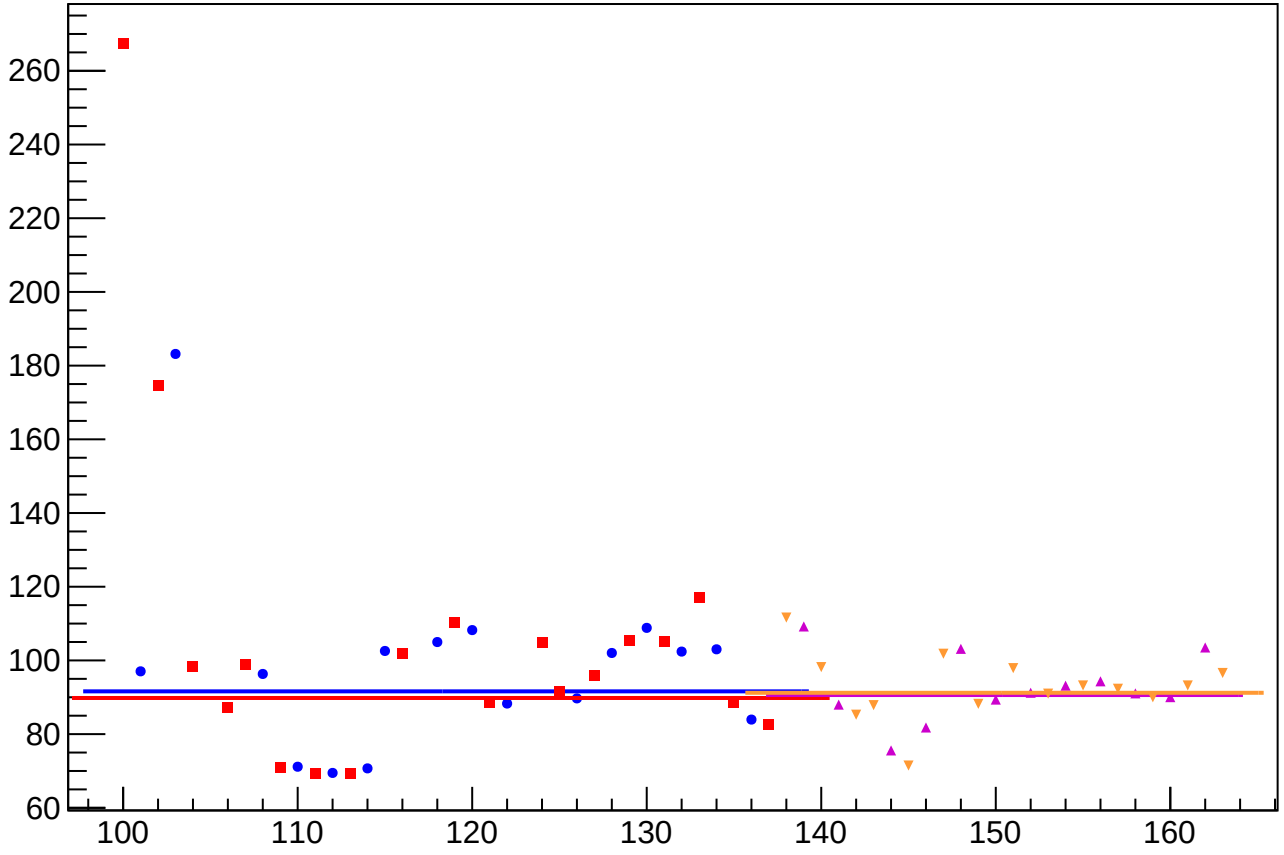
Left In: -63.481+/-28.396 χ^2/NDF:13.2/11

+ sign 3.982+/-21.652 χ^2/NDF: 33.4/29

All: -22.503+/-15.383 χ^2/NDF: 74.2/60

- sign -49.498+/-21.859 χ^2/NDF: 37.7/30

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

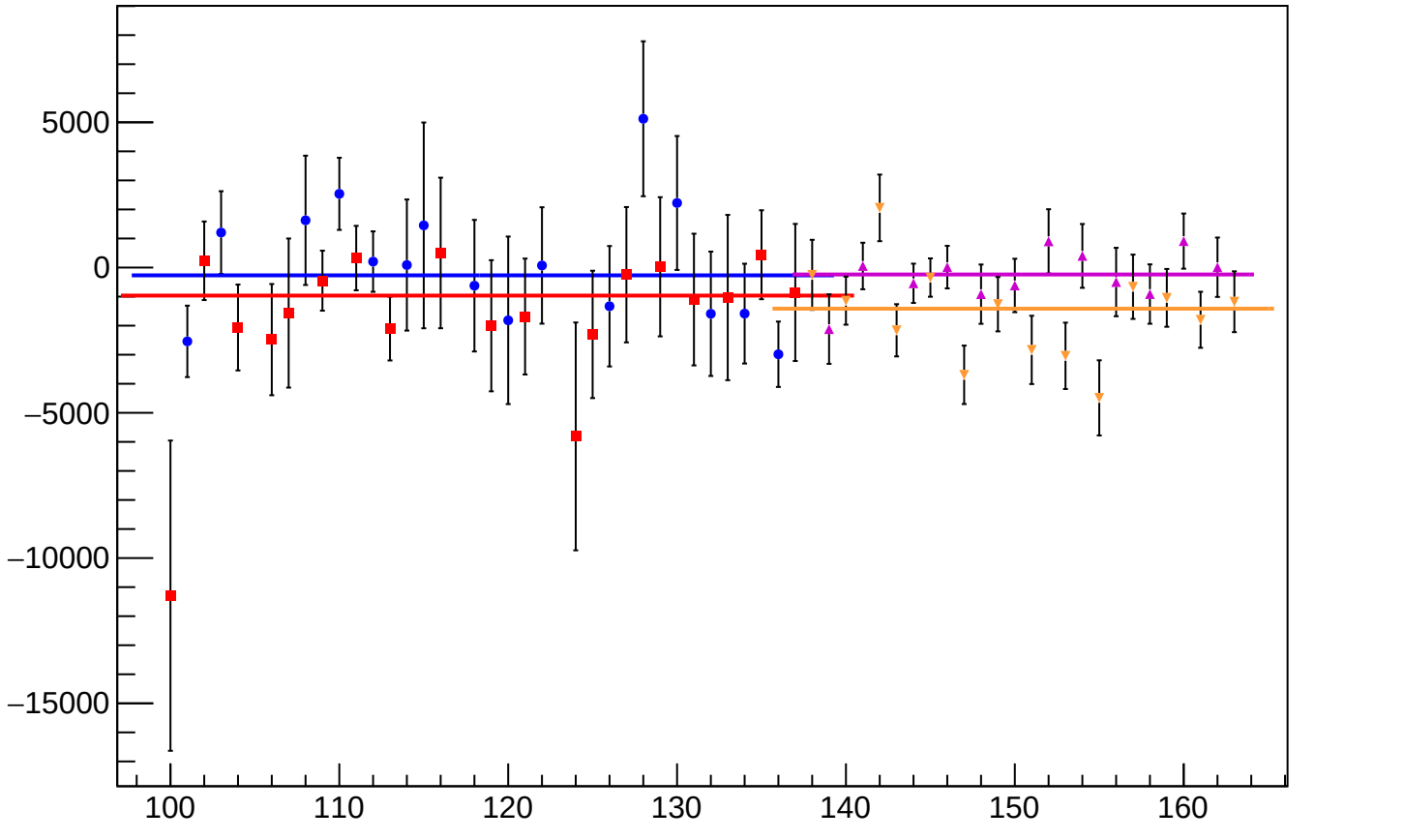
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

+ sign 91.367+/-0.015 χ^2/NDF: 802492.8/29

All: 90.829+/-0.011 χ^2/NDF: 1746164.0/60

- sign 90.282+/-0.015 χ^2/NDF: 941185.7/30



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

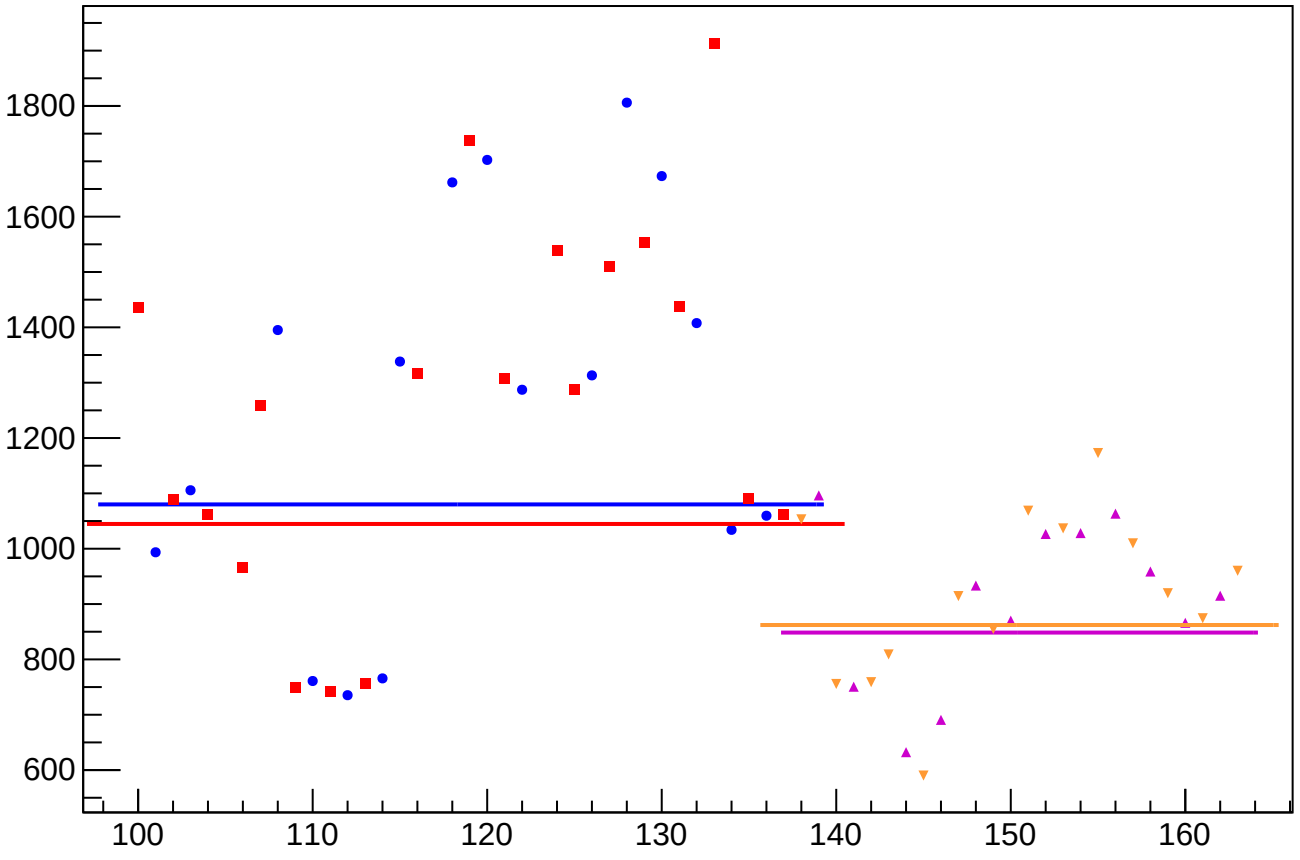
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: -238.917+/-268.742 χ^2/NDF:6.9/11

+ sign -1092.229+/-222.722 χ^2/NDF: 57.4/29

All: -778.735+/-157.711 χ^2/NDF: 82.7/60

- sign -463.462+/-223.353 χ^2/NDF: 21.3/30



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

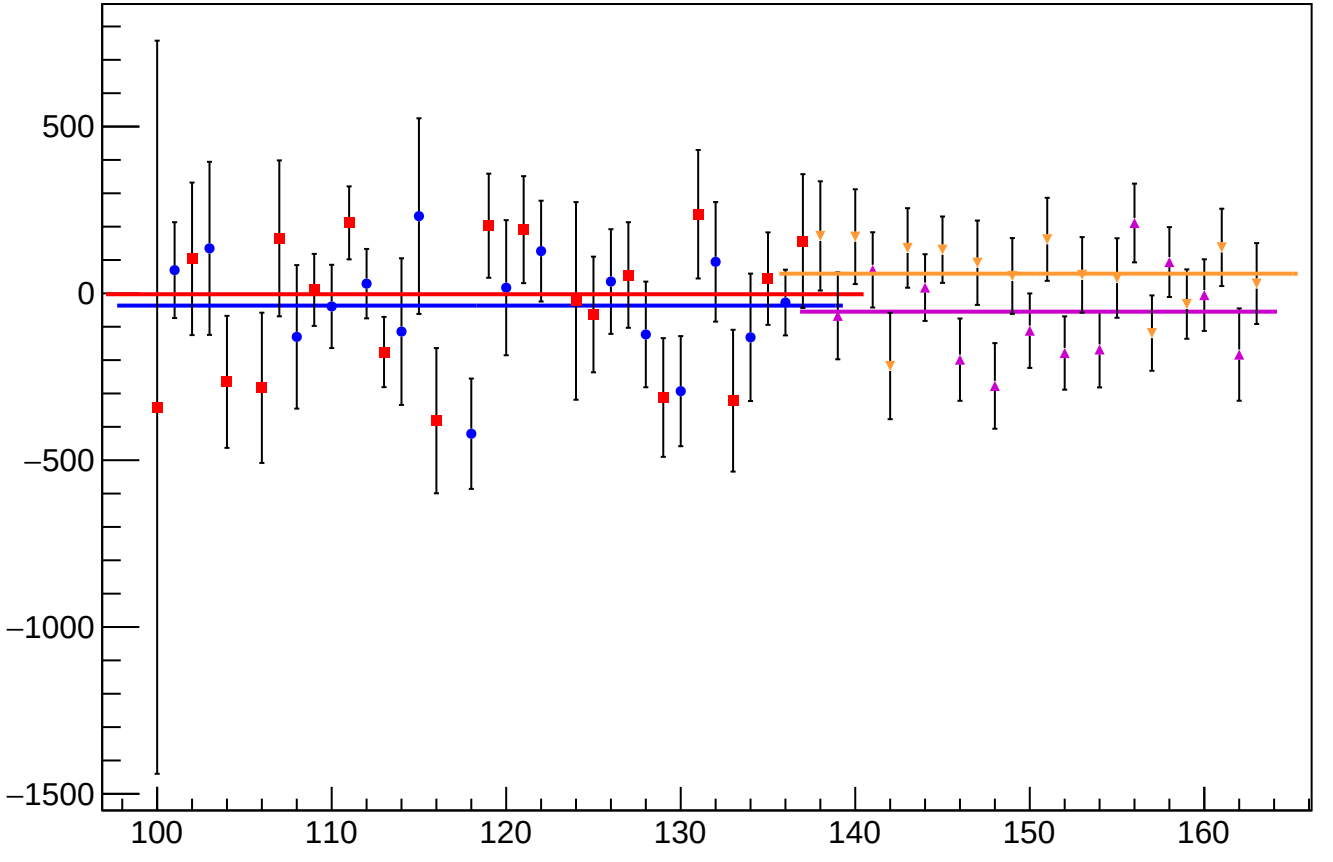
Left In: 848.474+/-0.190 χ^2/NDF:632502.5/11

+ sign 923.540+/-0.157 χ^2/NDF: 2176860.0/29

All: 916.373+/-0.112 χ^2/NDF: 4345159.4/60

- sign 909.164+/-0.158 χ^2/NDF: 2164144.9/30

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.086+/-32.208 χ^2/NDF:9.6/13

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

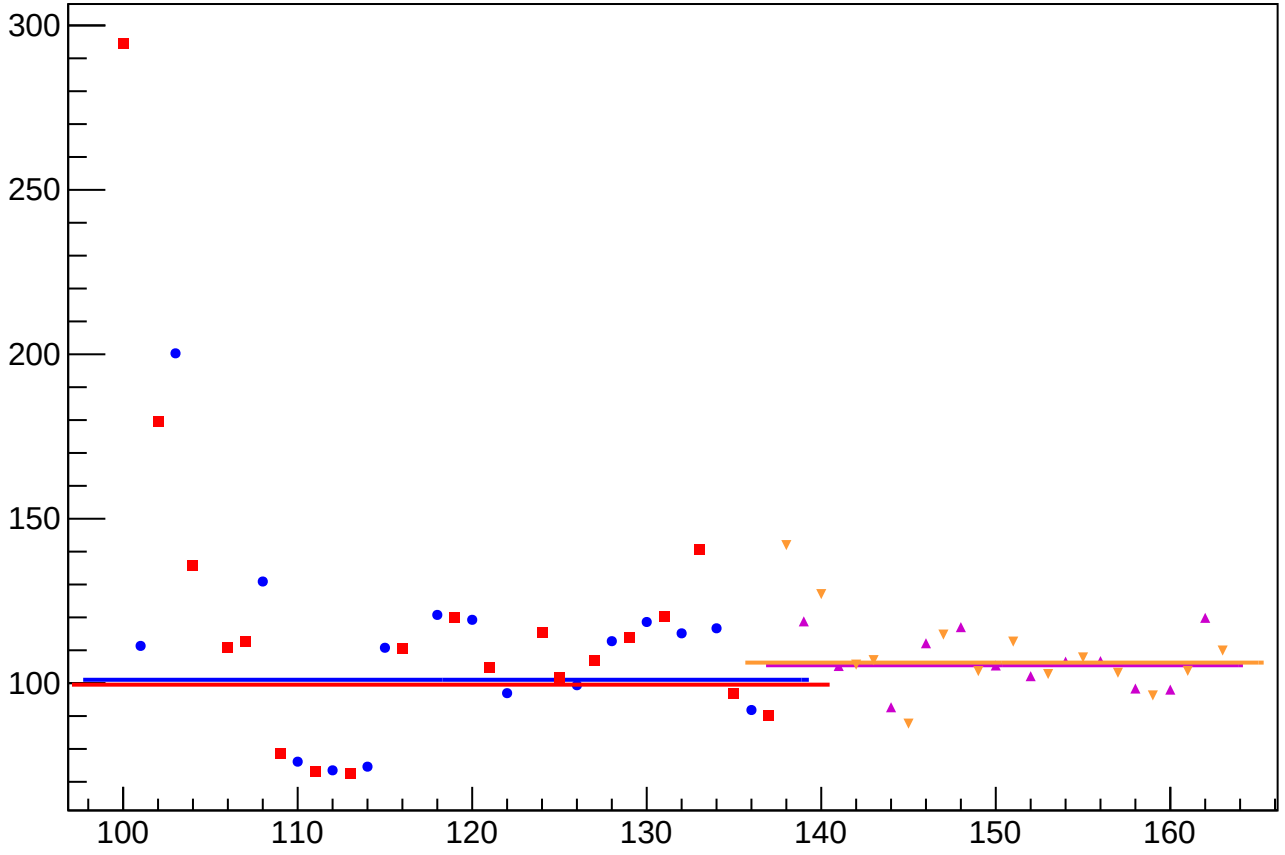
Left In: -54.799+/-33.212 χ^2/NDF:16.8/11

+ sign 20.280+/-24.832 χ^2/NDF: 26.0/29

All: -5.771+/-17.637 χ^2/NDF: 70.9/60

- sign -32.290+/-25.054 χ^2/NDF: 42.6/30

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.252+/-0.023 χ^2/NDF:248272.8/13

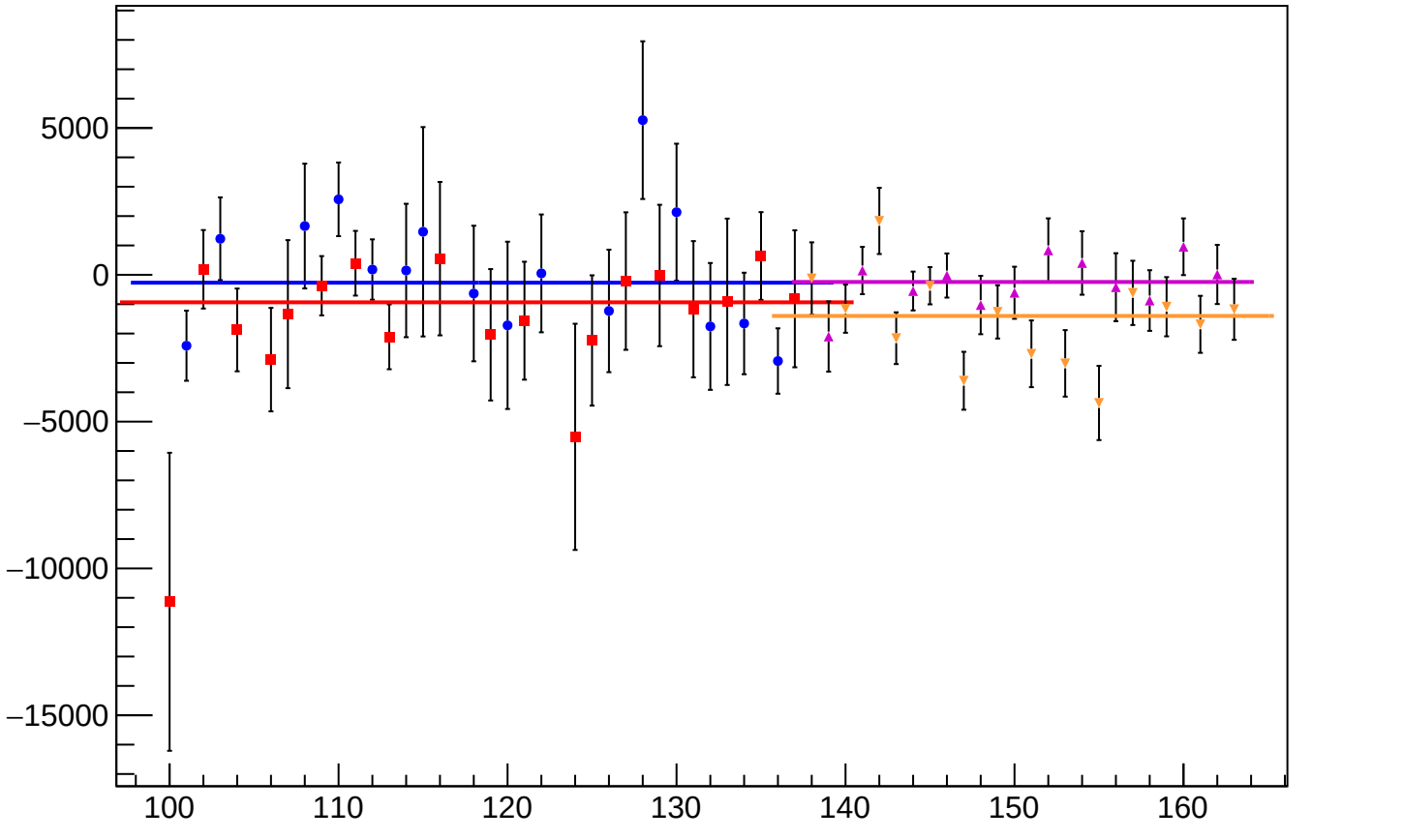
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.446+/-0.023 χ^2/NDF:118479.3/11

+ sign 104.134+/-0.018 χ^2/NDF: 985681.6/29

All: 103.525+/-0.012 χ^2/NDF: 2014285.0/60

- sign 102.904+/-0.018 χ^2/NDF: 1026170.9/30



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.029+/-258.699 χ^2/NDF:27.4/13

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

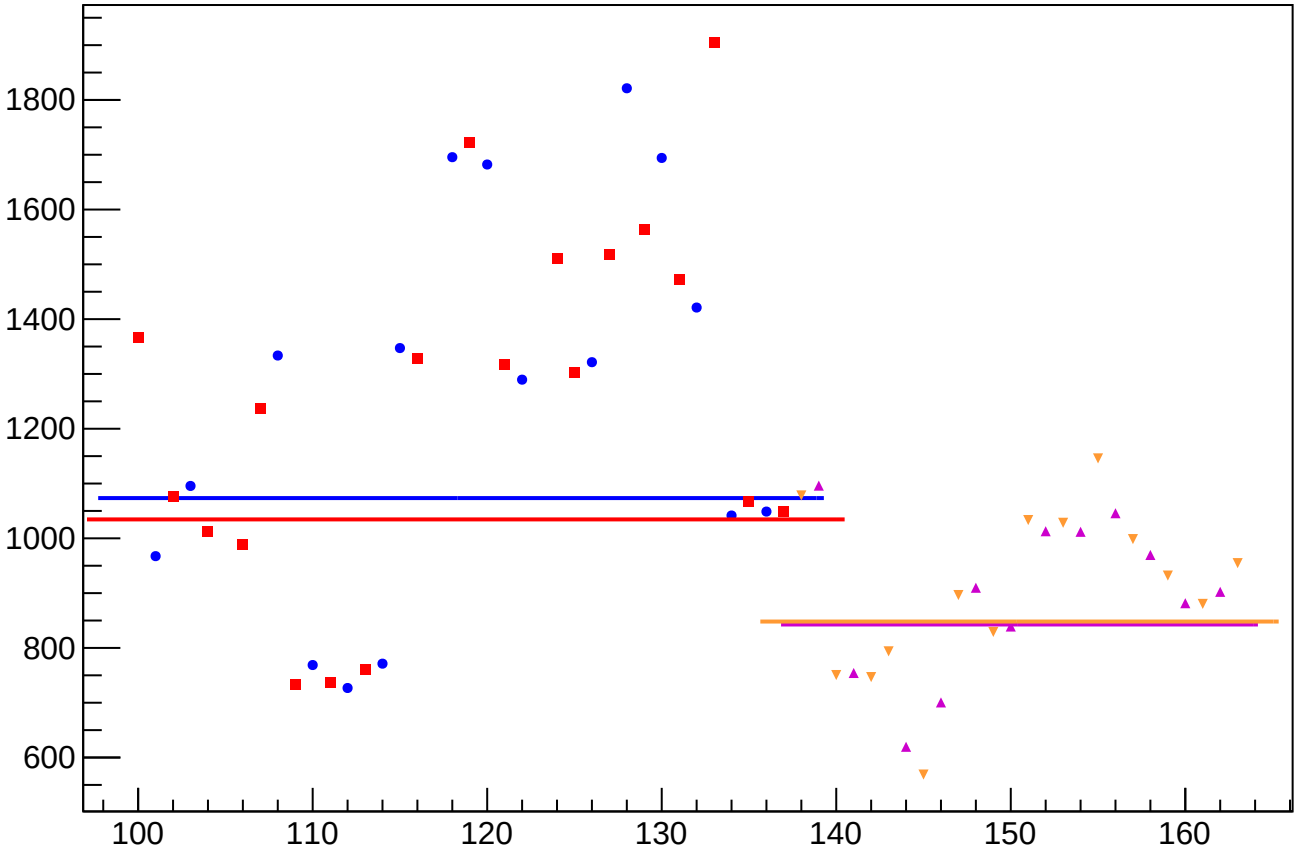
Left In: -243.898+/-267.009 χ^2/NDF:7.1/11

+ sign -1086.181+/-219.841 χ^2/NDF: 56.2/29

All: -775.471+/-156.008 χ^2/NDF: 82.5/60

- sign -460.262+/-221.426 χ^2/NDF: 22.3/30

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 848.144+/-0.183 χ^2/NDF:805698.0/13

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

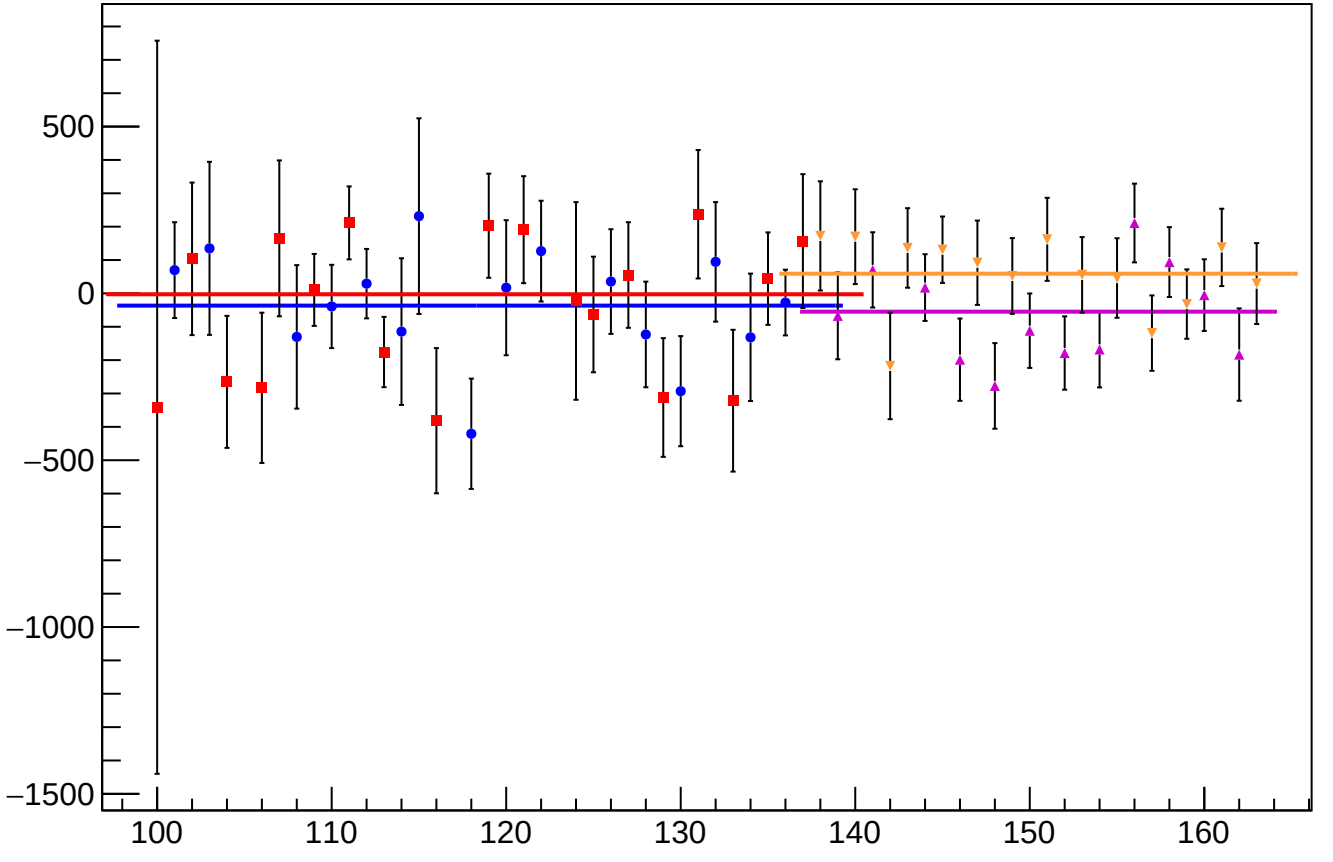
Left In: 842.776+/-0.189 χ^2/NDF:622222.0/11

+ sign 910.748+/-0.155 χ^2/NDF: 2304276.7/29

All: 906.733+/-0.110 χ^2/NDF: 4479324.6/60

- sign 902.660+/-0.157 χ^2/NDF: 2173704.2/30

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.089+/-32.209 χ^2/NDF:9.6/13

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

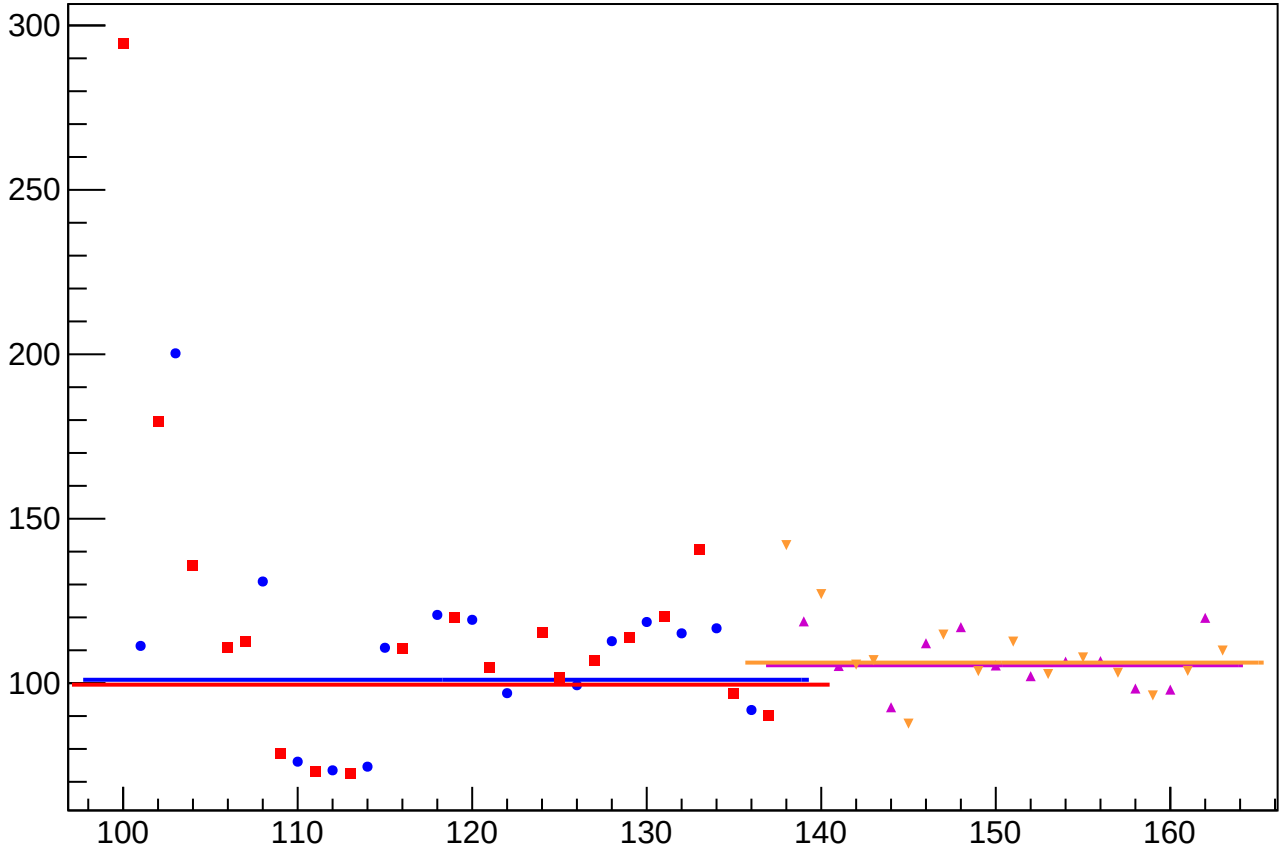
Left In: -54.799+/-33.212 χ^2/NDF:16.8/11

+ sign 20.282+/-24.832 χ^2/NDF: 26.0/29

All: -5.770+/-17.637 χ^2/NDF: 70.9/60

- sign -32.289+/-25.054 χ^2/NDF: 42.6/30

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.252+/-0.023 χ^2/NDF:248267.7/13

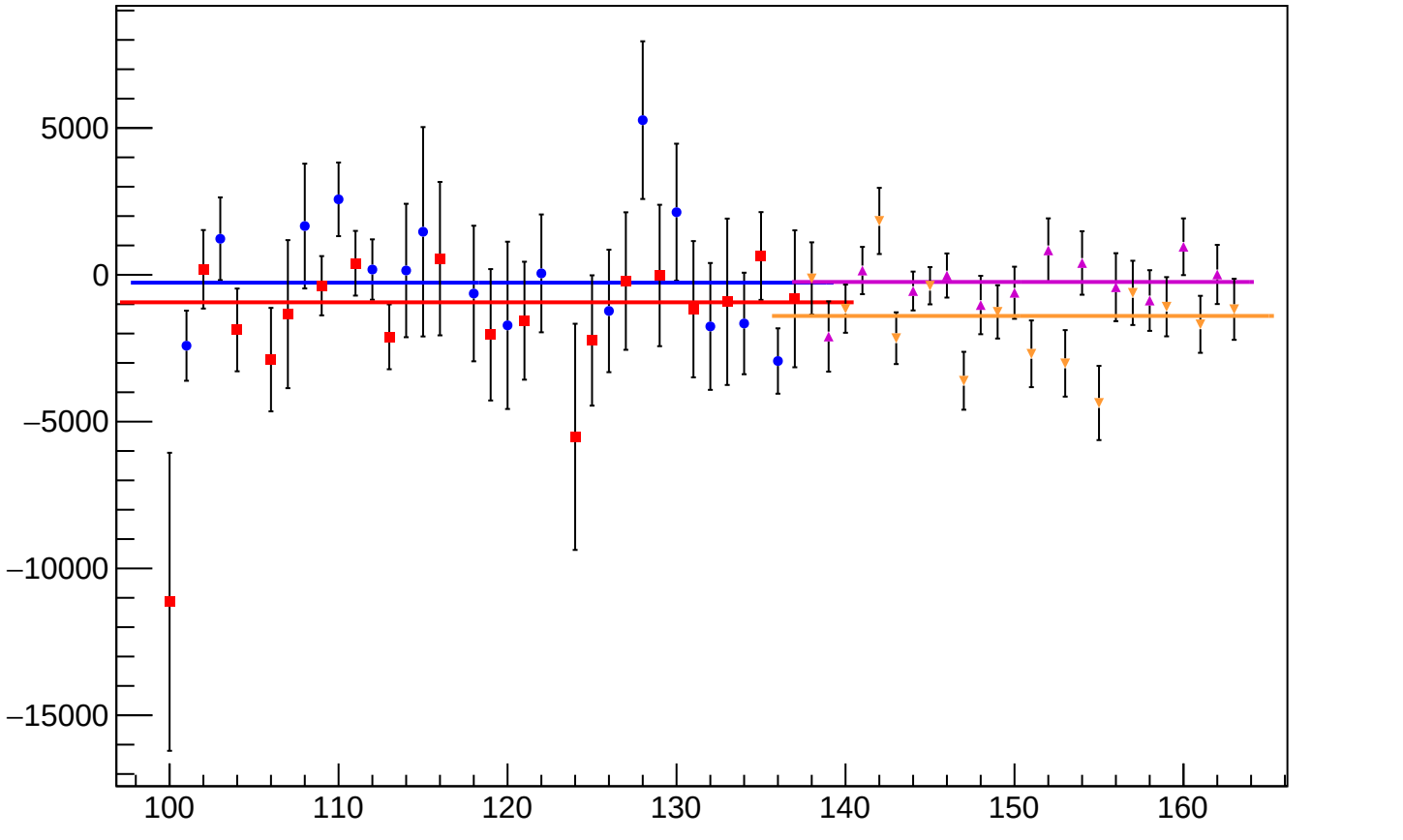
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.447+/-0.023 χ^2/NDF:118478.5/11

+ sign 104.135+/-0.018 χ^2/NDF: 985677.5/29

All: 103.525+/-0.012 χ^2/NDF: 2014284.3/60

- sign 102.904+/-0.018 χ^2/NDF: 1026174.2/30



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.027+/-258.699 χ^2/NDF:27.4/13

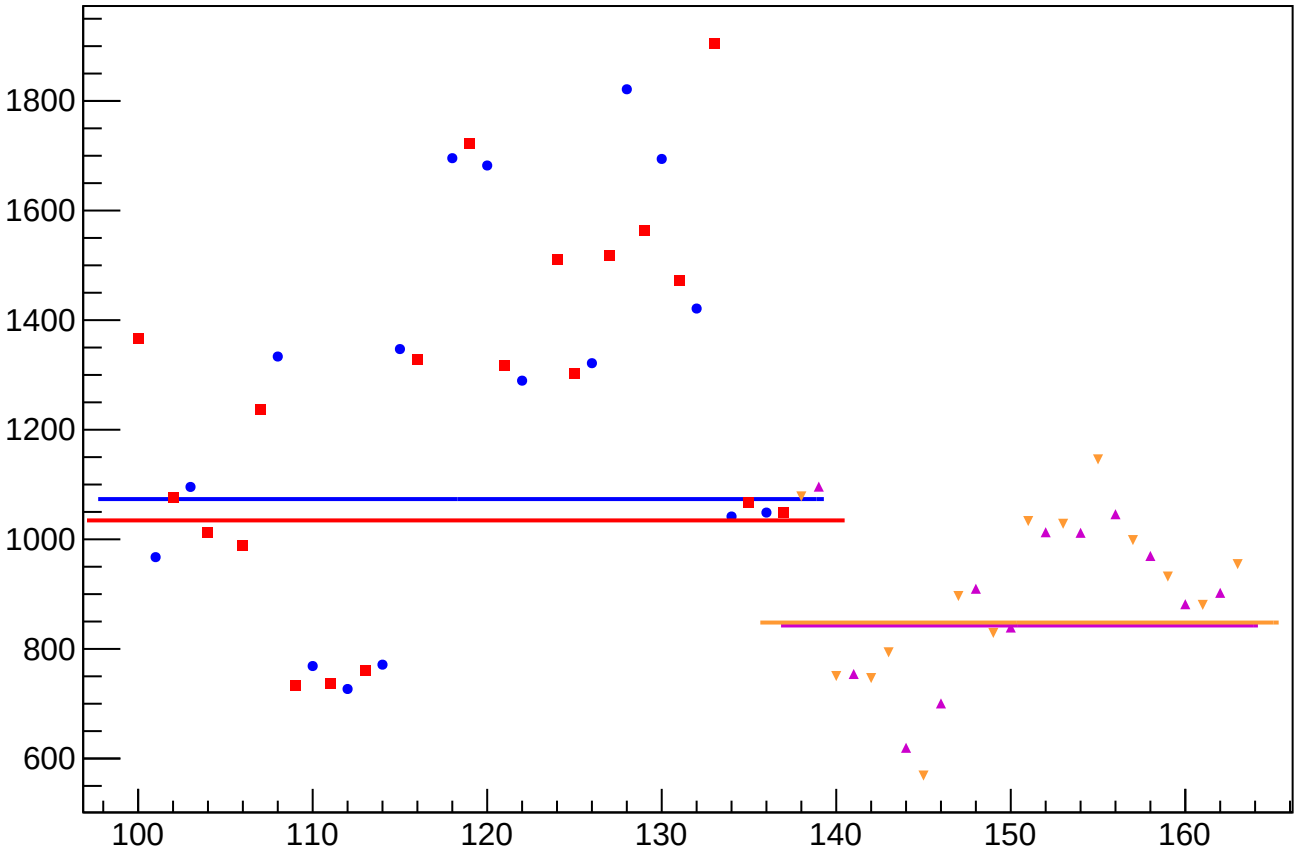
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: -243.897+/-267.009 χ^2/NDF:7.1/11

+ sign -1086.180+/-219.840 χ^2/NDF: 56.2/29

All: -775.470+/-156.008 χ^2/NDF: 82.5/60

- sign -460.261+/-221.426 χ^2/NDF: 22.3/30



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 848.143+/-0.183 χ^2/NDF:805700.9/13

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

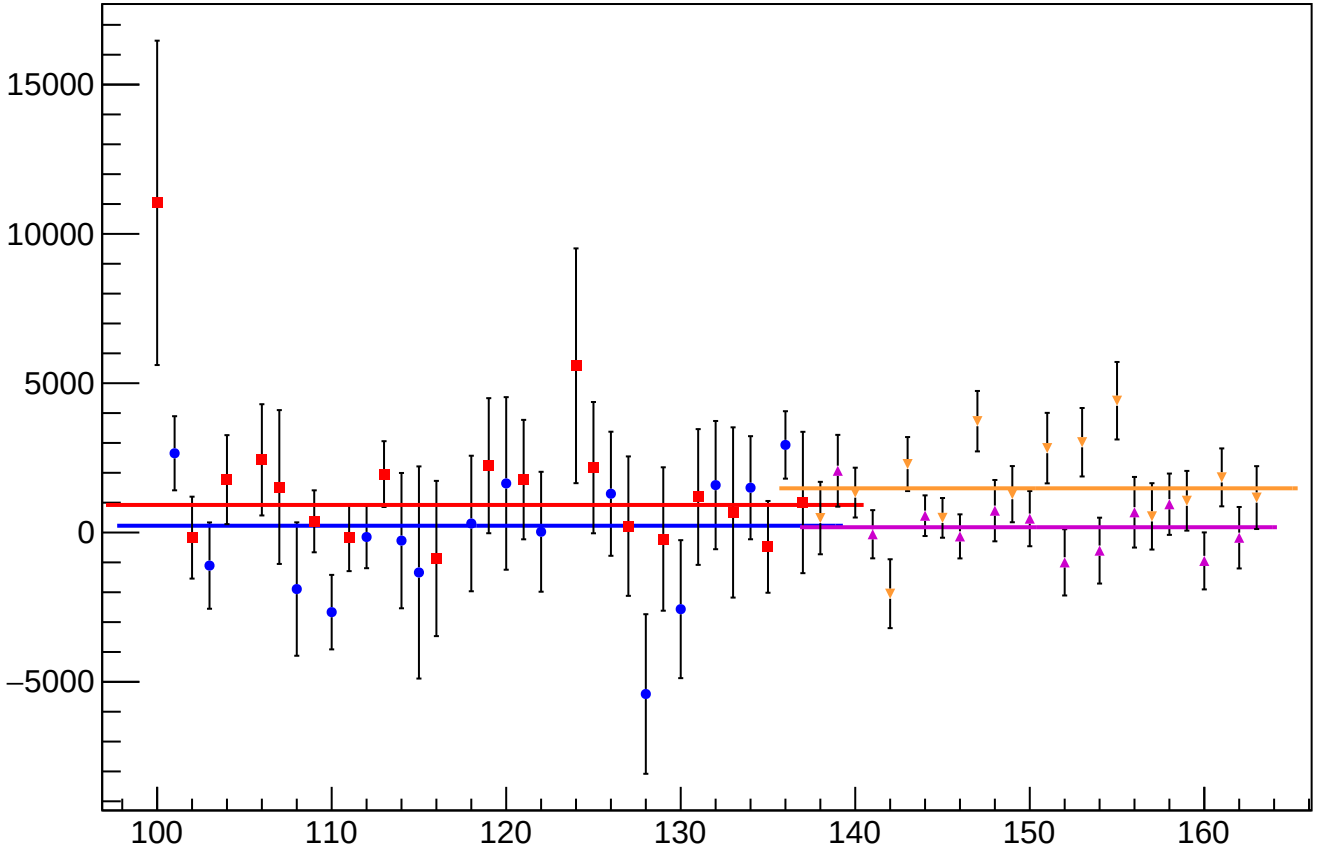
Left In: 842.775+/-0.189 χ^2/NDF:622220.6/11

+ sign 910.746+/-0.155 χ^2/NDF: 2304284.4/29

All: 906.732+/-0.110 χ^2/NDF: 4479332.0/60

- sign 902.659+/-0.157 χ^2/NDF: 2173704.0/30

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1480.764+/-264.369 χ^2/NDF:27.4/13

Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

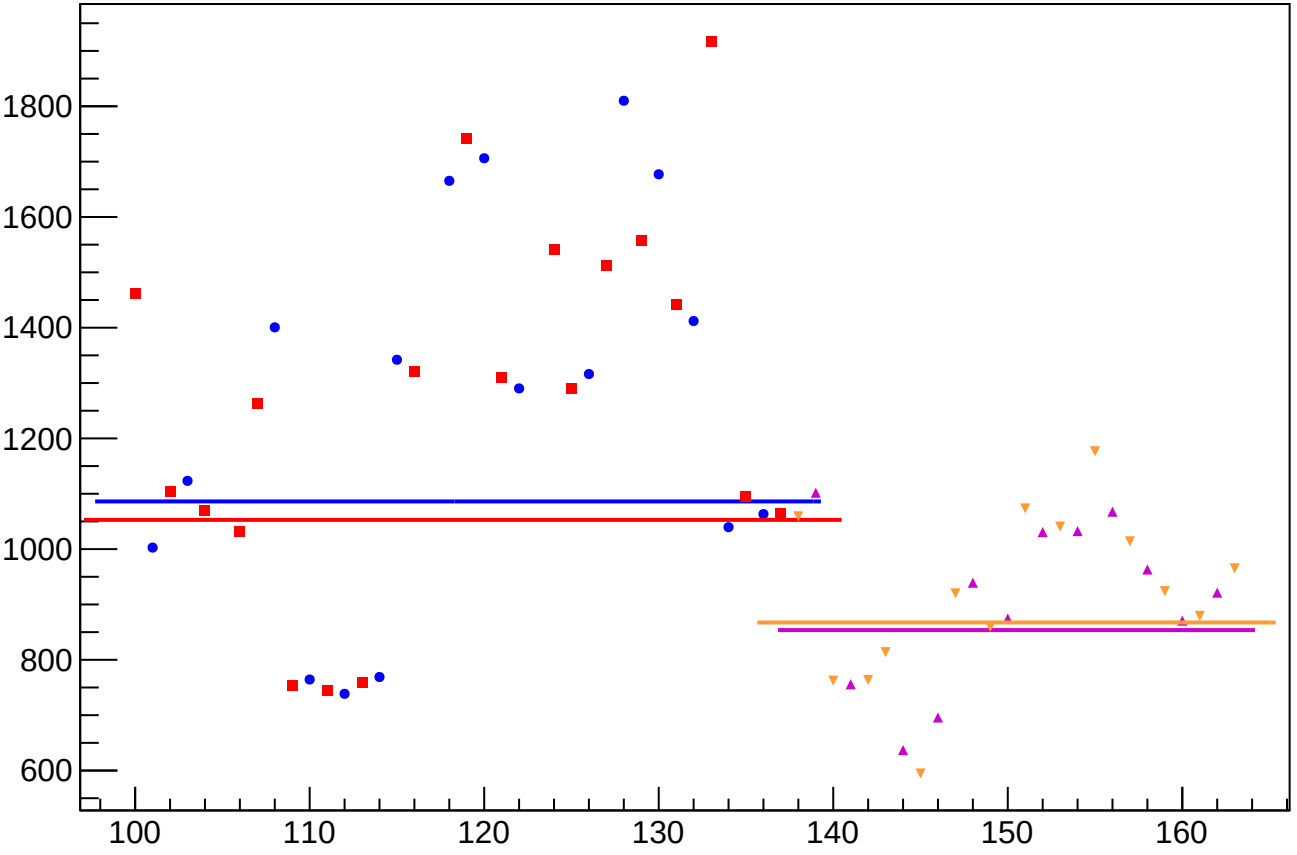
Left In: 177.675+/-270.347 χ^2/NDF:7.3/11

+ sign 1127.340+/-224.013 χ^2/NDF: 58.2/29

All: 769.050+/-158.582 χ^2/NDF: 84.2/60

- sign 409.111+/-224.527 χ^2/NDF: 20.9/30

asym_sam_3748_avg_rms vs Slug



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 867.479+/-0.187 χ^2/NDF:726378.5/13

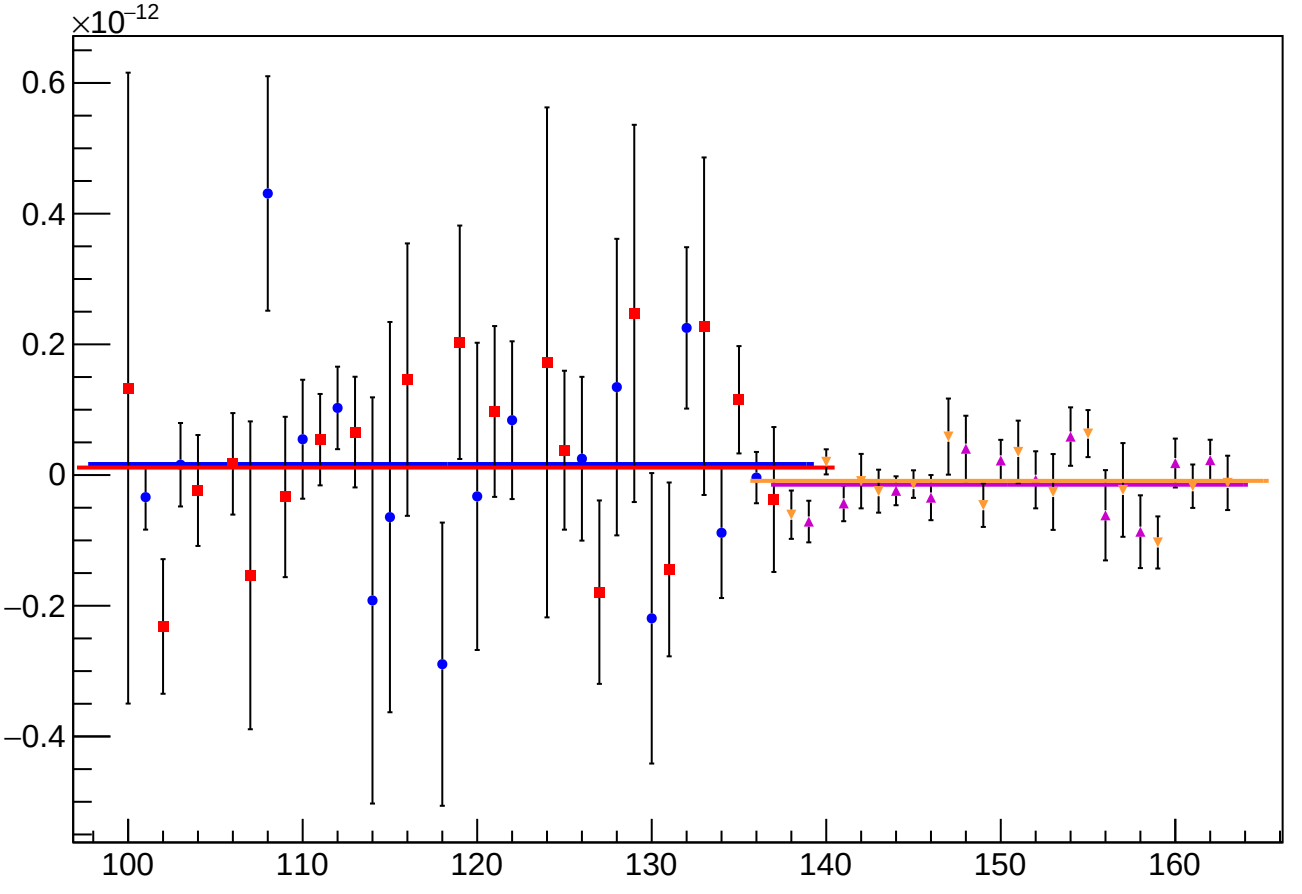
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 853.723+/-0.191 χ^2/NDF:624842.8/11

+ sign 929.141+/-0.158 χ^2/NDF: 2159686.6/29

All: 922.334+/-0.112 χ^2/NDF: 4319219.5/60

- sign 915.495+/-0.159 χ^2/NDF: 2155830.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/13

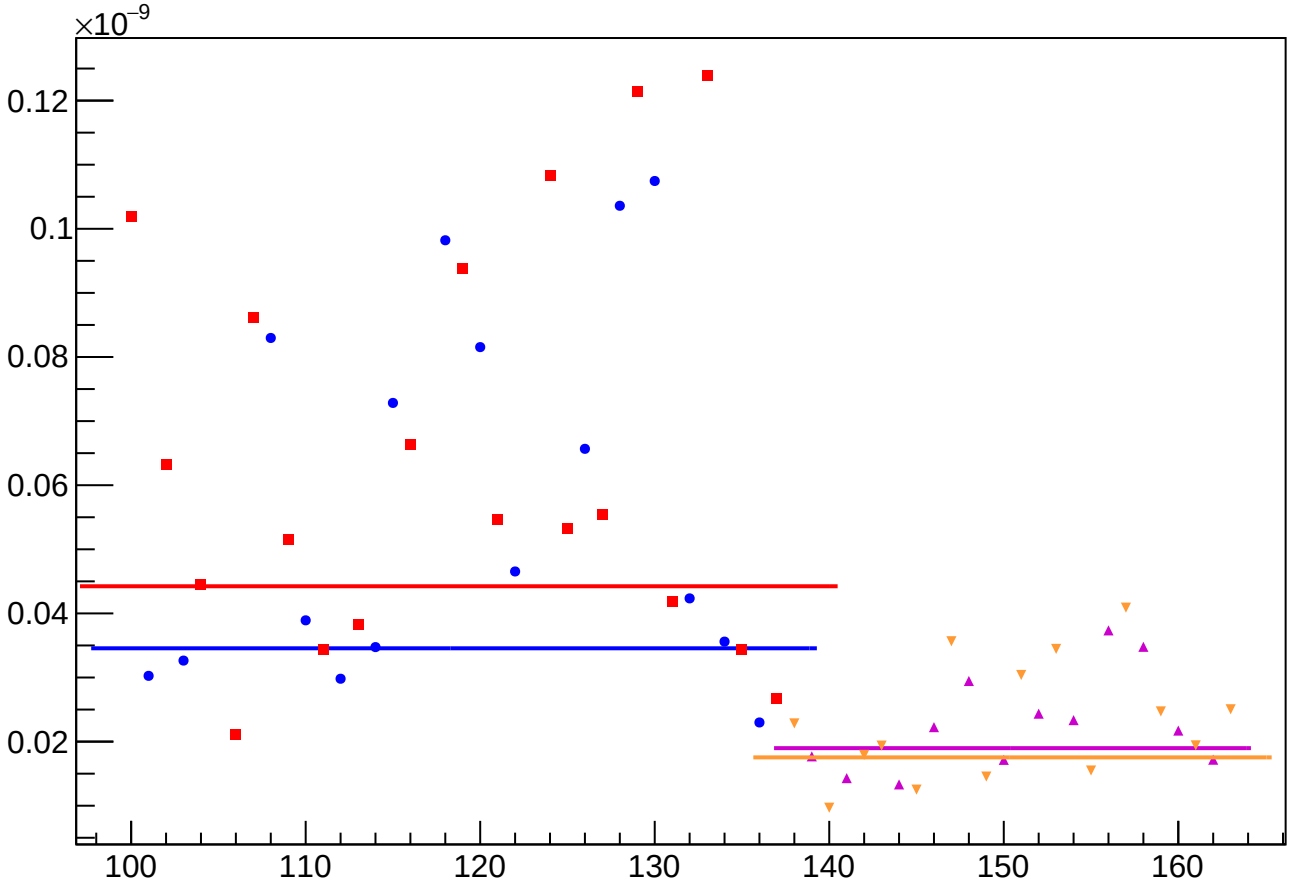
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/11

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/29

All: -0.000+/-0.000 χ^2/NDF: 67.2/60

- sign -0.000+/-0.000 χ^2/NDF: 31.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1374222.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

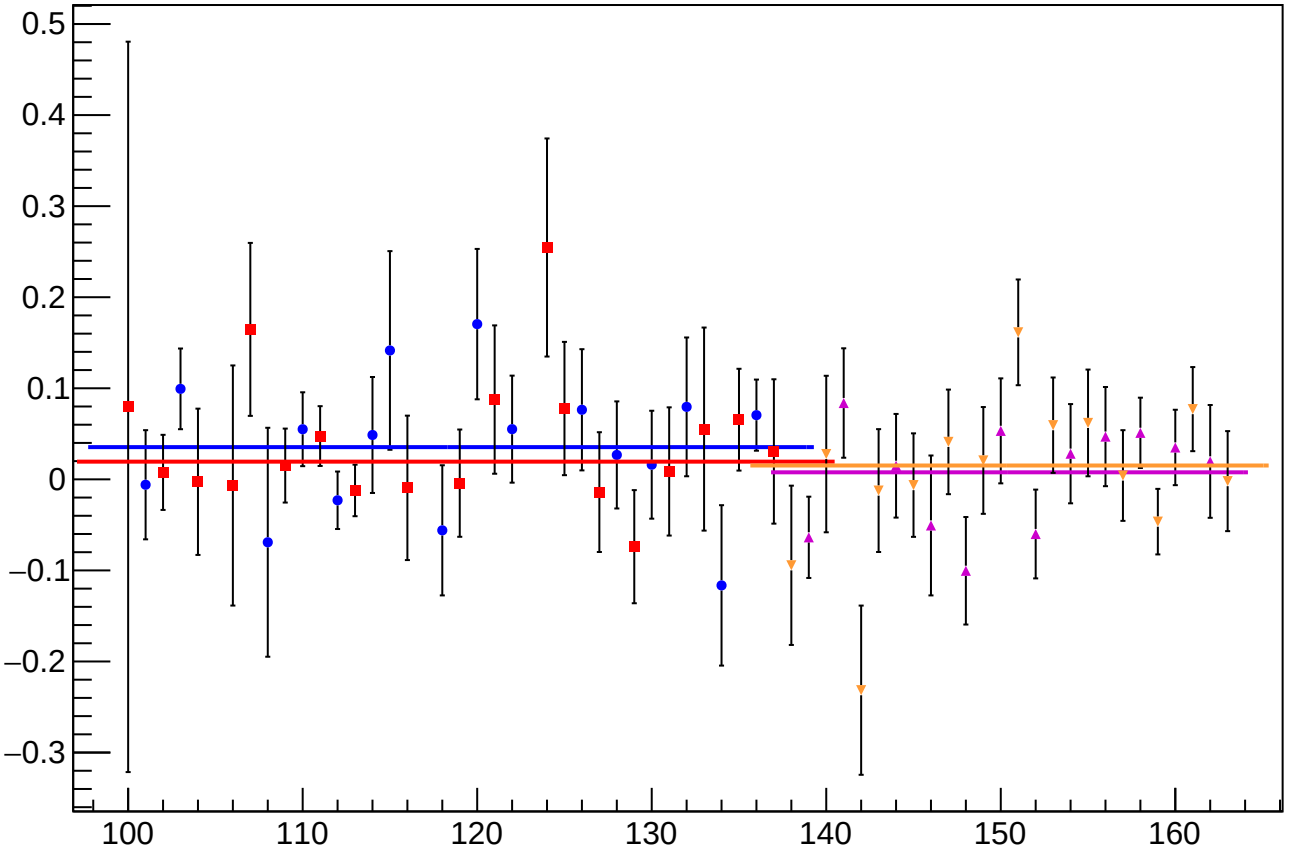
Left In: 0.000+/-0.000 χ^2/NDF:673310.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 3600672.9/29

All: 0.000+/-0.000 χ^2/NDF: 6946646.2/60

- sign 0.000+/-0.000 χ^2/NDF: 3293833.4/30

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: 0.015+/-0.015 χ^2/NDF:21.7/13

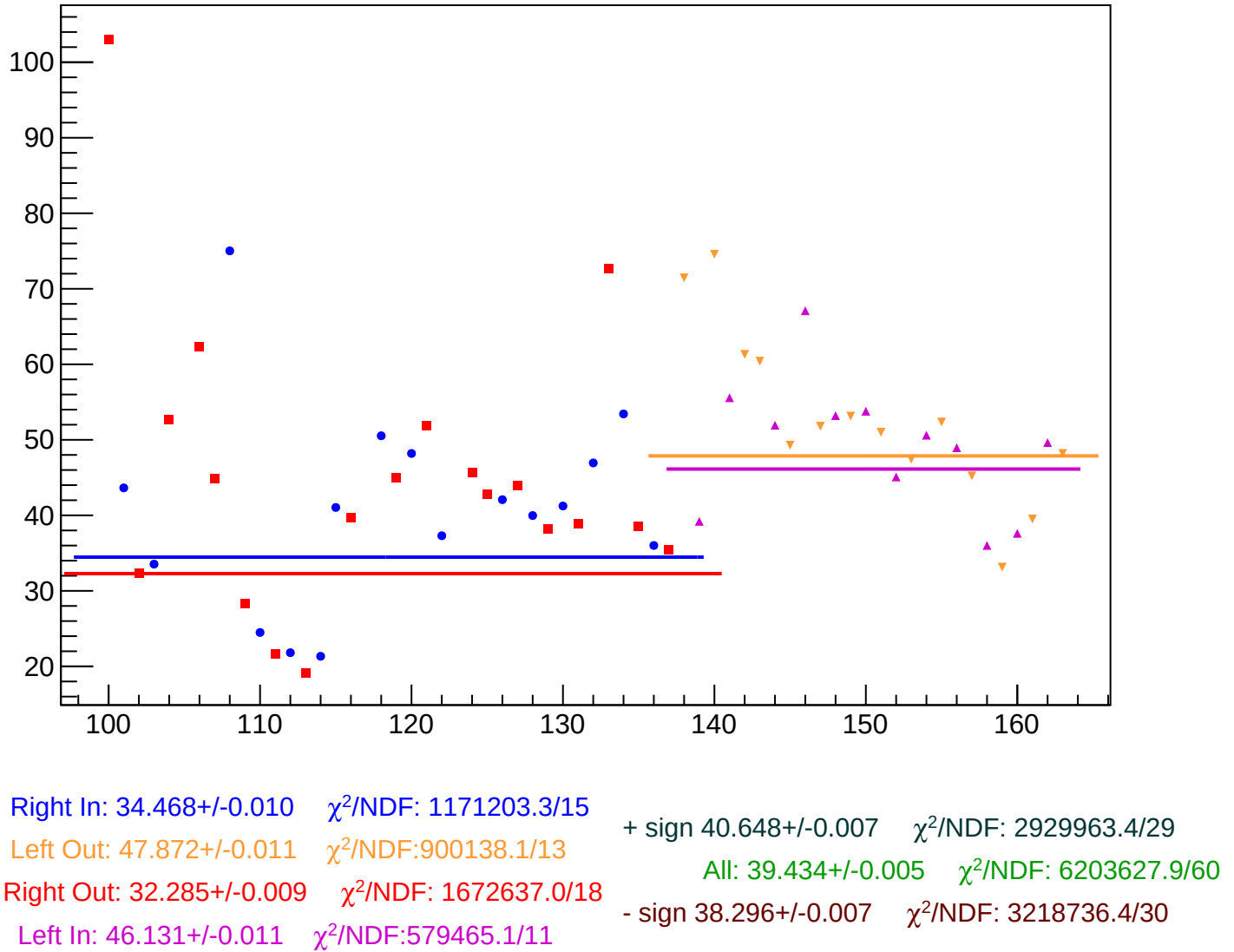
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

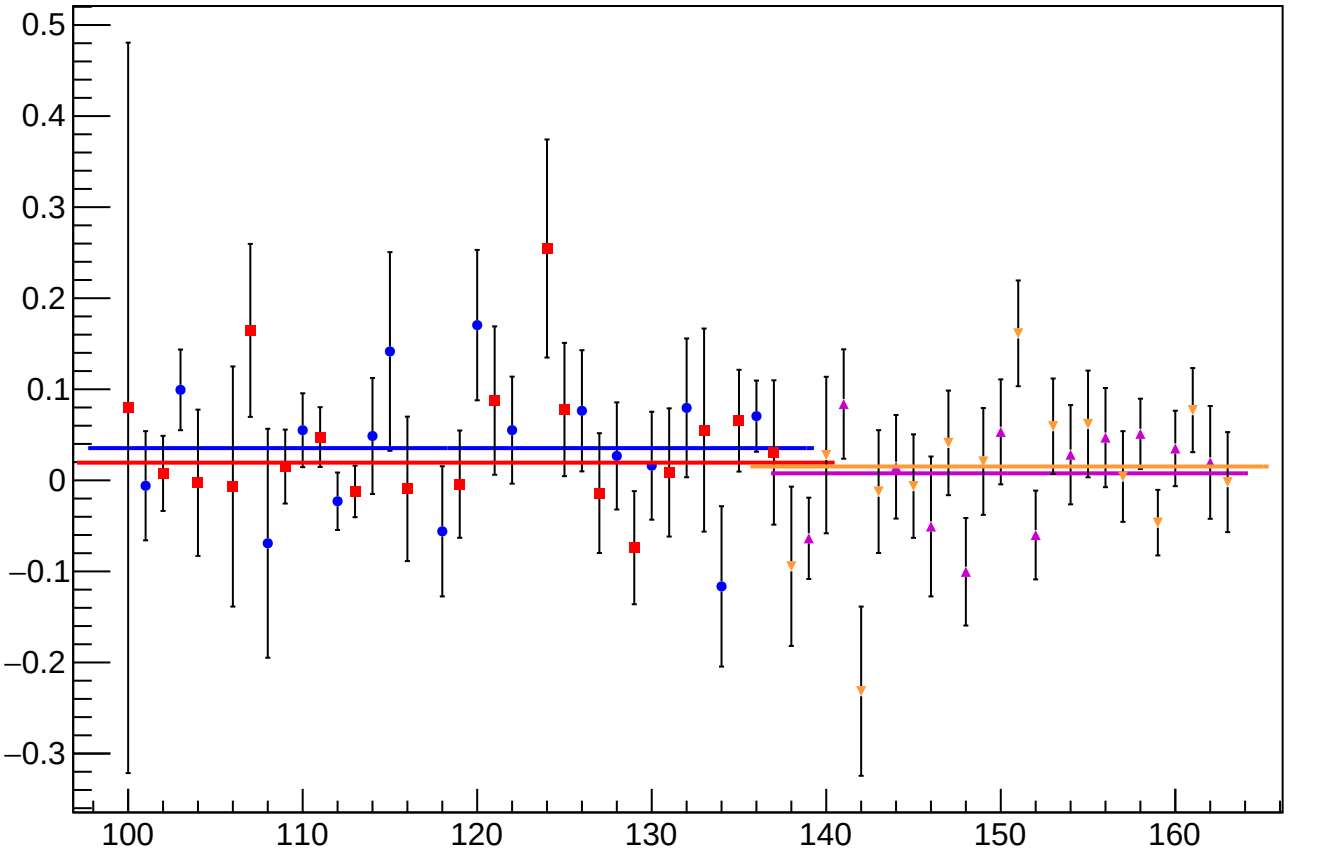
Left In: 0.008+/-0.015 χ^2/NDF:13.1/11

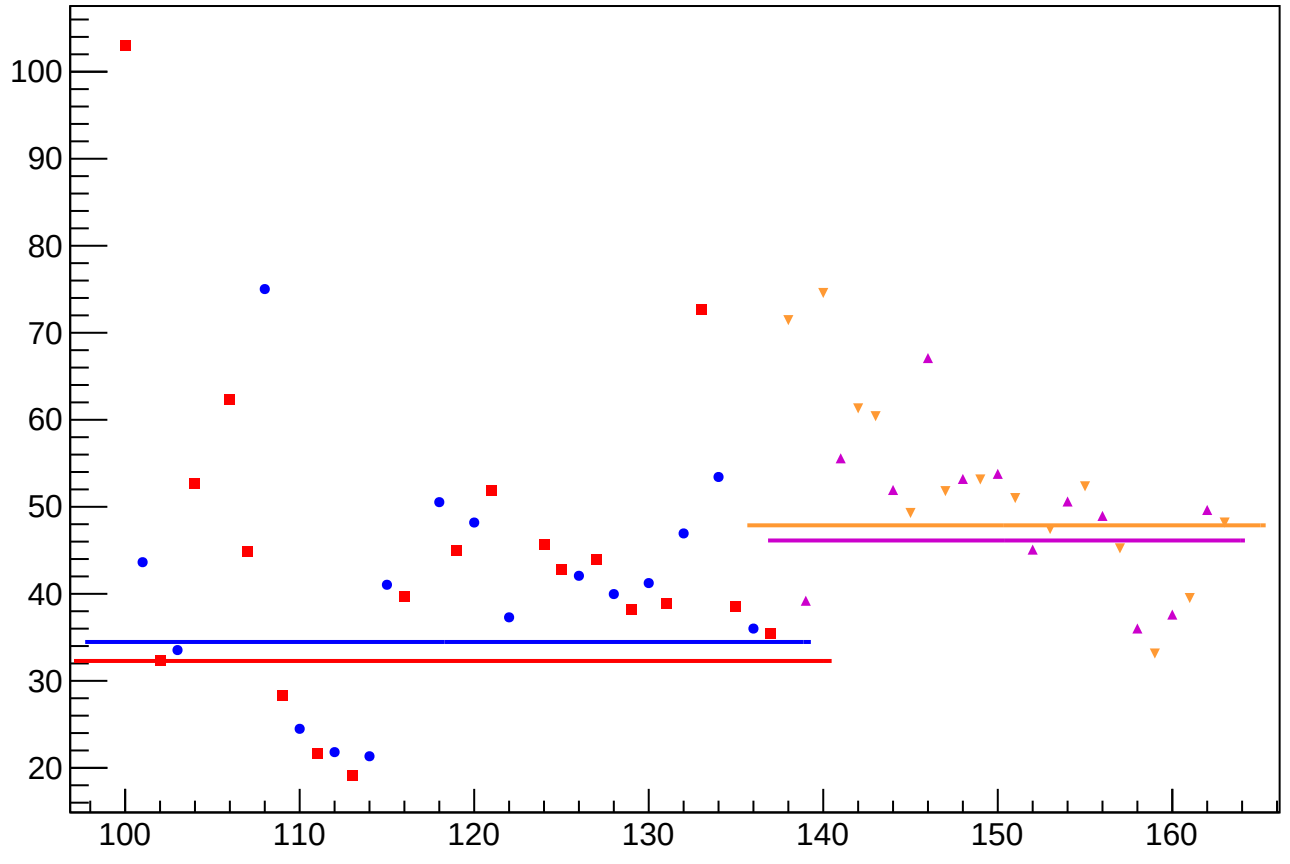
+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.020+/-0.007 χ^2/NDF: 67.1/60

- sign 0.014+/-0.010 χ^2/NDF: 26.8/30


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 47.872+/-0.011 χ²/NDF:900138.1/13
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.131+/-0.011 χ²/NDF:579465.1/11
+ sign 40.648+/-0.007 χ²/NDF: 2929963.4/29
All: 39.434+/-0.005 χ²/NDF: 6203627.9/60
- sign 38.296+/-0.007 χ²/NDF: 3218736.4/30


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.015+/-0.015 χ²/NDF:21.7/13
Right Out: 0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.008+/-0.015 χ²/NDF:13.1/11
+ sign 0.026+/-0.010 χ²/NDF: 39.7/29
All: 0.020+/-0.007 χ²/NDF: 67.1/60
- sign 0.014+/-0.010 χ²/NDF: 26.8/30



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

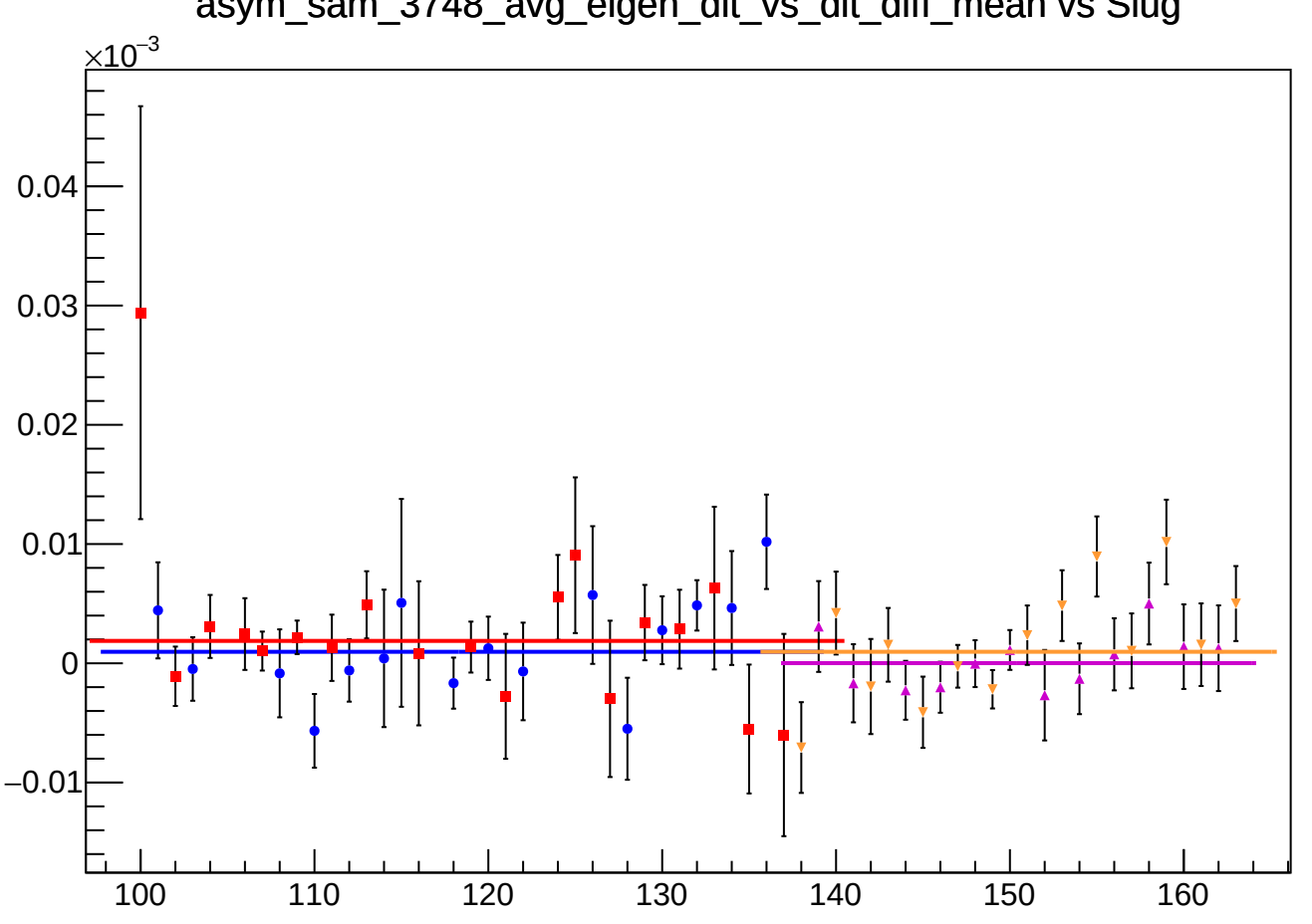
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.131+/-0.011 χ^2/NDF:579465.1/11

+ sign 40.648+/-0.007 χ^2/NDF: 2929963.4/29

All: 39.434+/-0.005 χ^2/NDF: 6203627.9/60

- sign 38.296+/-0.007 χ^2/NDF: 3218736.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/13

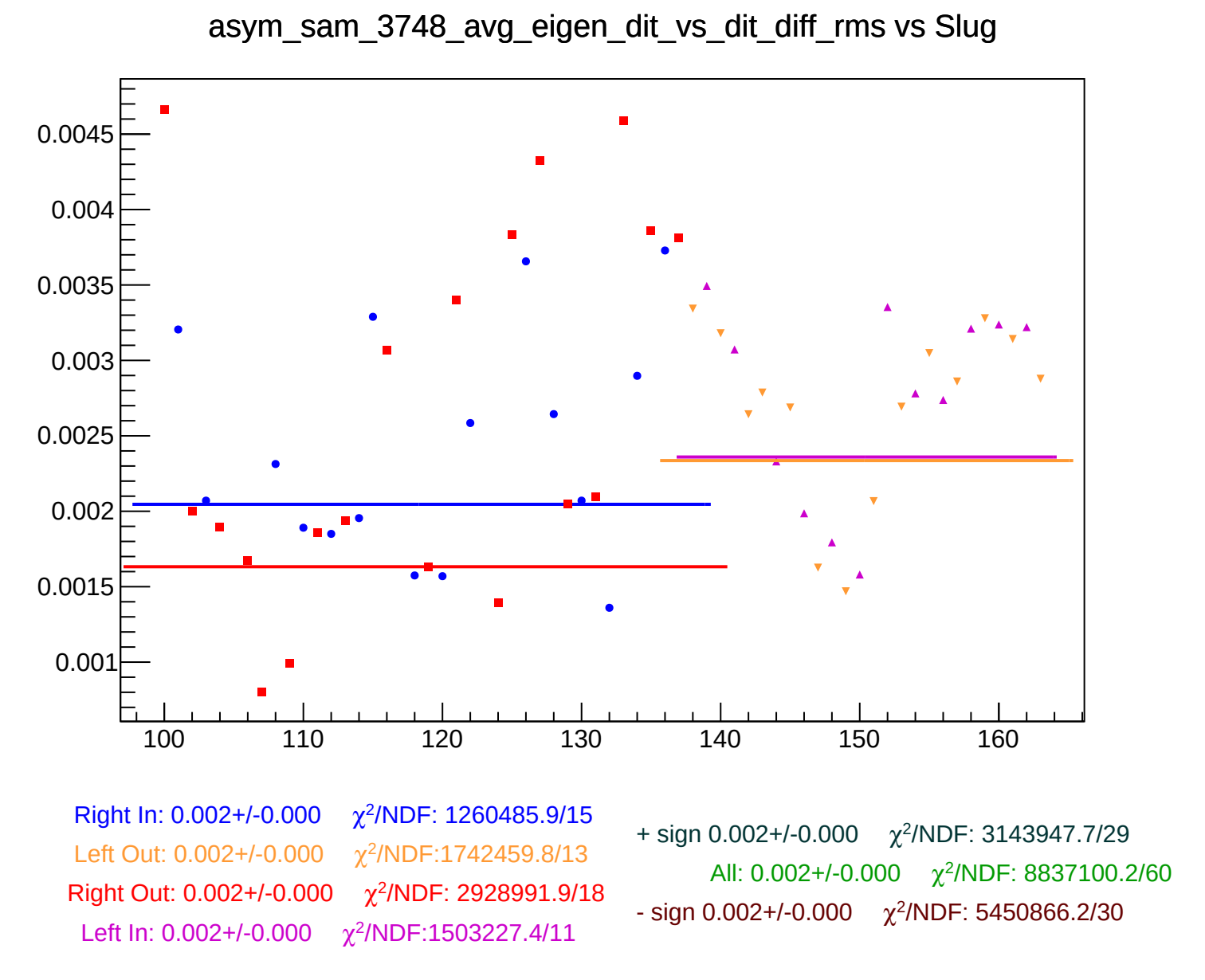
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

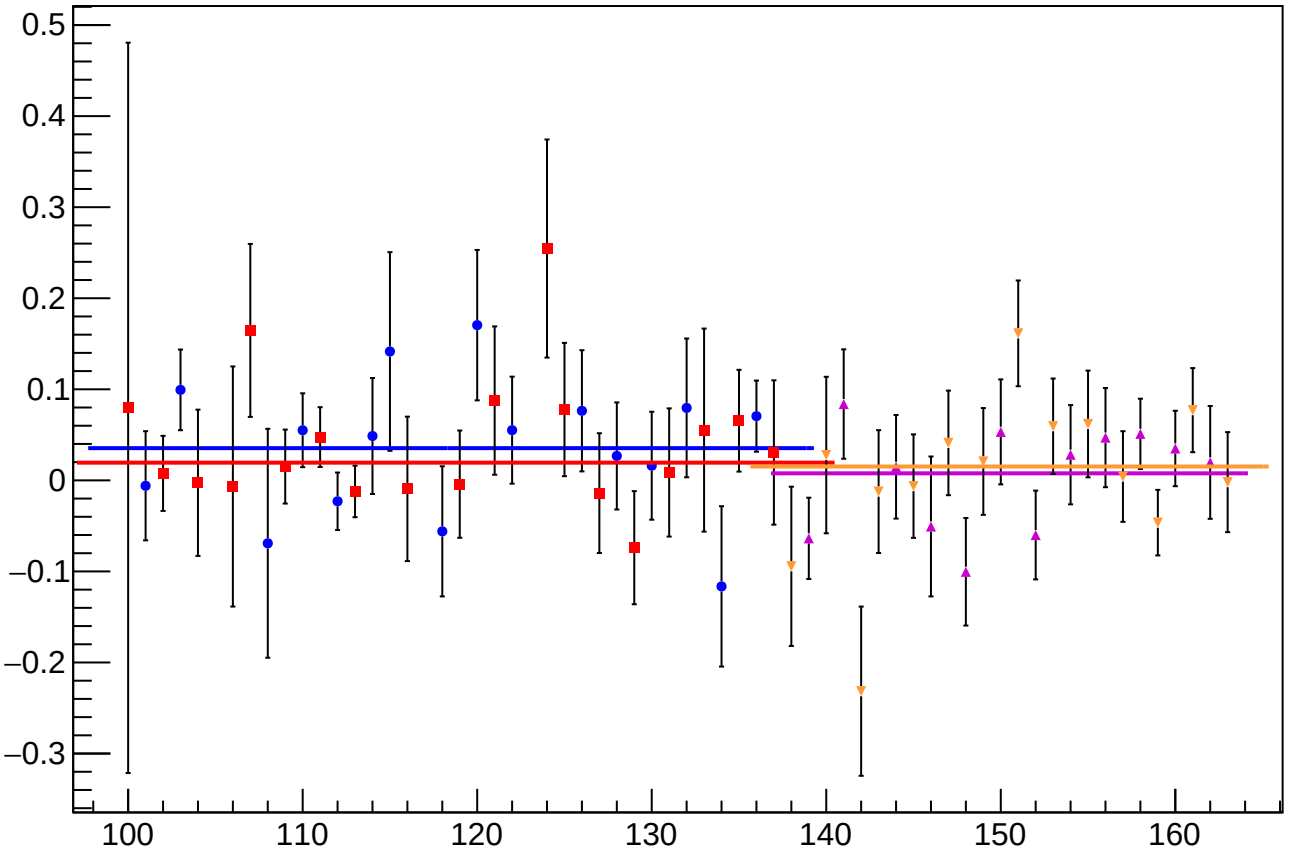
Left In: 0.000+/-0.000 χ^2/NDF:6.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 50.1/29

All: 0.000+/-0.000 χ^2/NDF: 72.6/60

- sign 0.000+/-0.000 χ^2/NDF: 22.5/30


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
160
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1742459.8/13
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1503227.4/11
+ sign 0.002+/-0.000 χ²/NDF: 3143947.7/29
All: 0.002+/-0.000 χ²/NDF: 8837100.2/60
- sign 0.002+/-0.000 χ²/NDF: 5450866.2/30



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

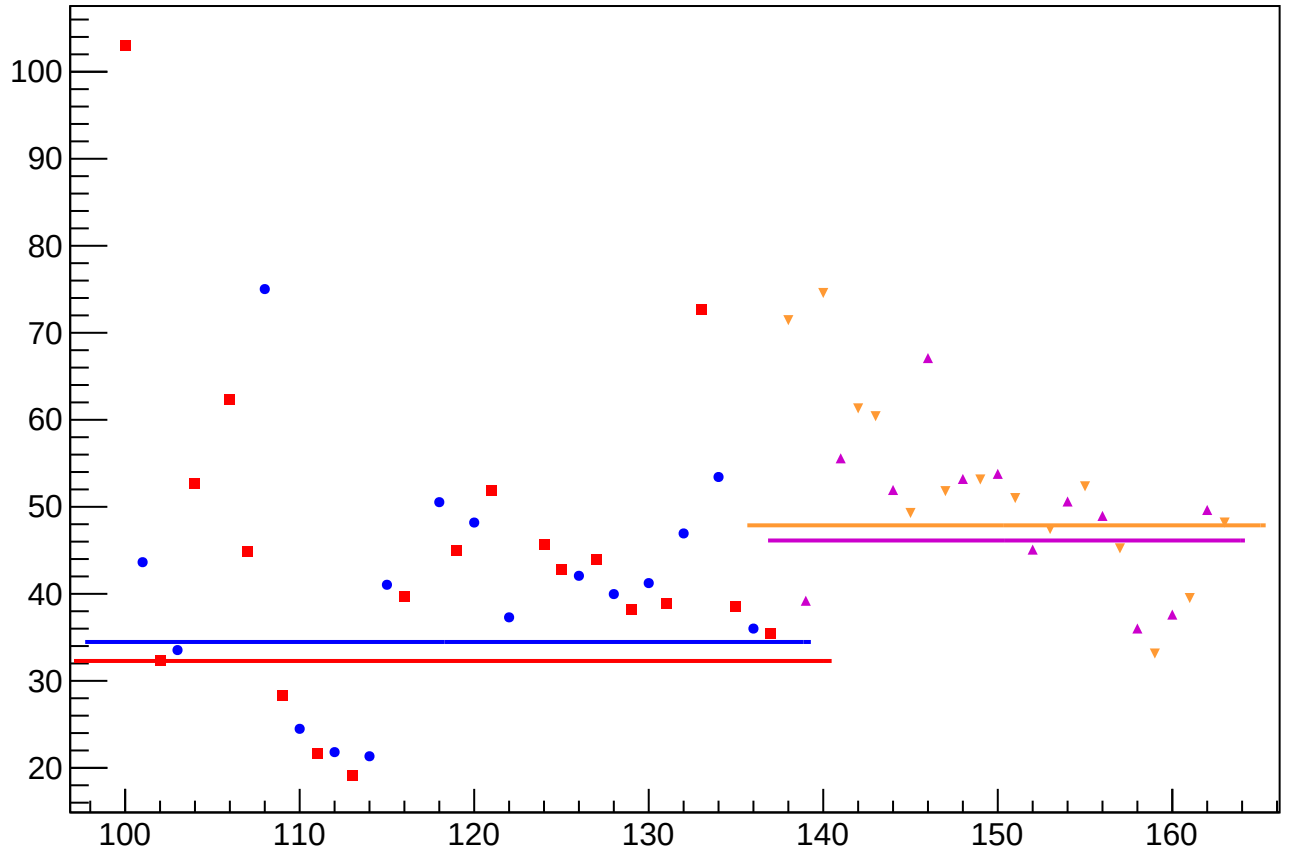
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.008+/-0.015 χ^2/NDF:13.1/11

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.020+/-0.007 χ^2/NDF: 67.1/60

- sign 0.014+/-0.010 χ^2/NDF: 26.8/30



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.873+/-0.011 χ^2/NDF:900152.5/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

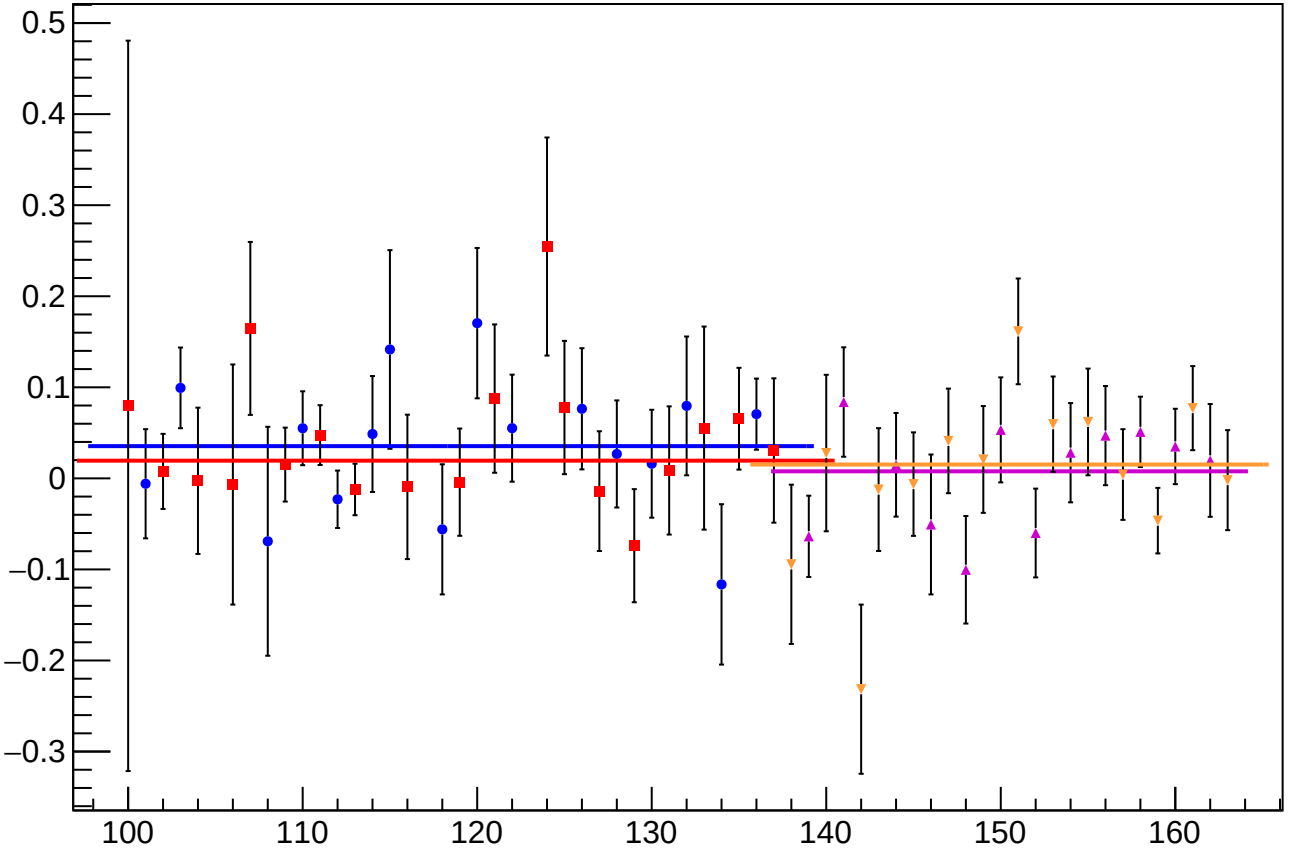
Left In: 46.132+/-0.011 χ^2/NDF:579498.8/11

+ sign 40.649+/-0.007 χ^2/NDF: 2929956.3/29

All: 39.434+/-0.005 χ^2/NDF: 6203626.8/60

- sign 38.297+/-0.007 χ^2/NDF: 3218742.2/30

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

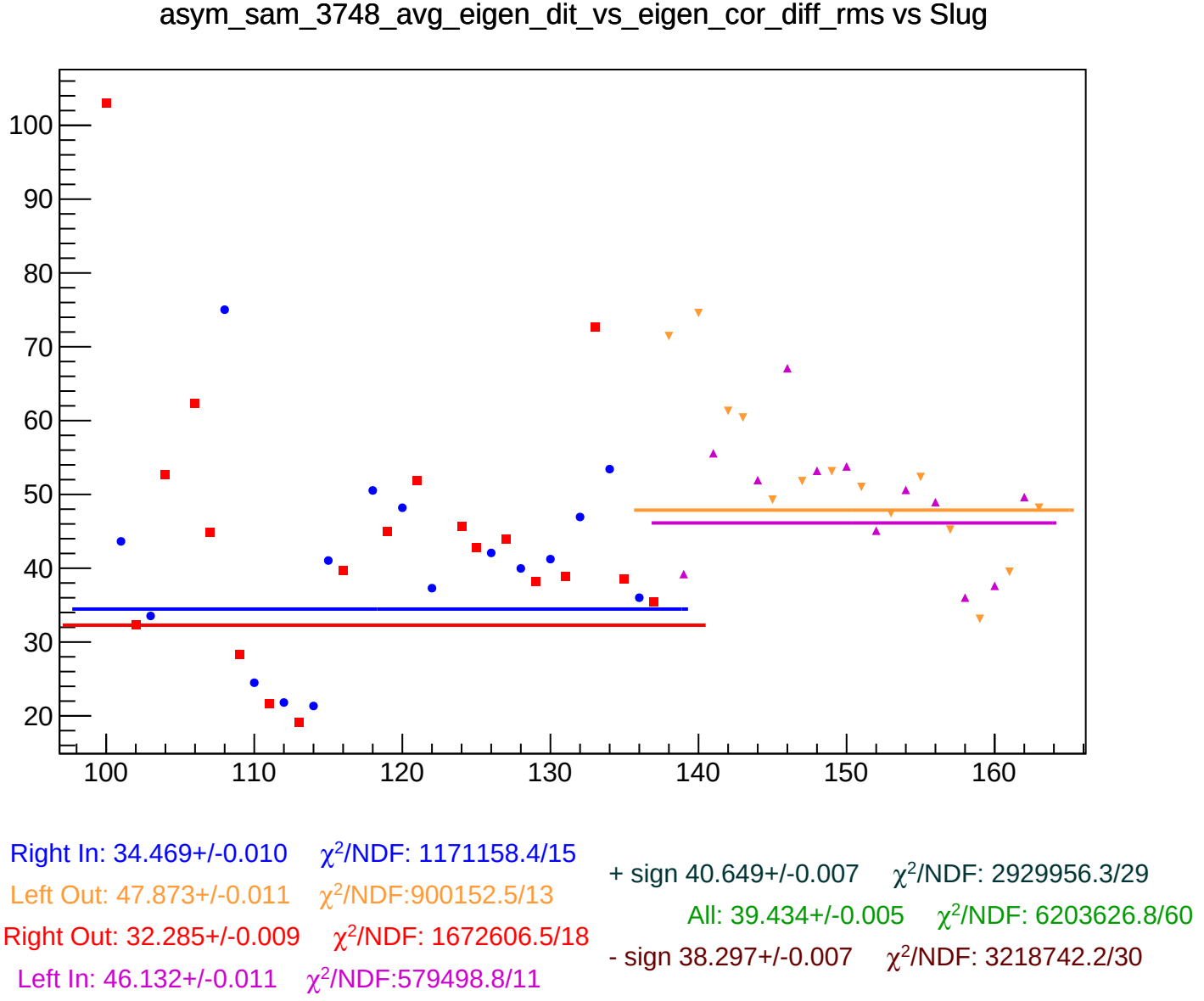
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.008+/-0.015 χ^2/NDF:13.1/11

+ sign 0.026+/-0.010 χ^2/NDF: 39.7/29

All: 0.020+/-0.007 χ^2/NDF: 67.1/60

- sign 0.014+/-0.010 χ^2/NDF: 26.8/30


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
90
80
70
60
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40
30
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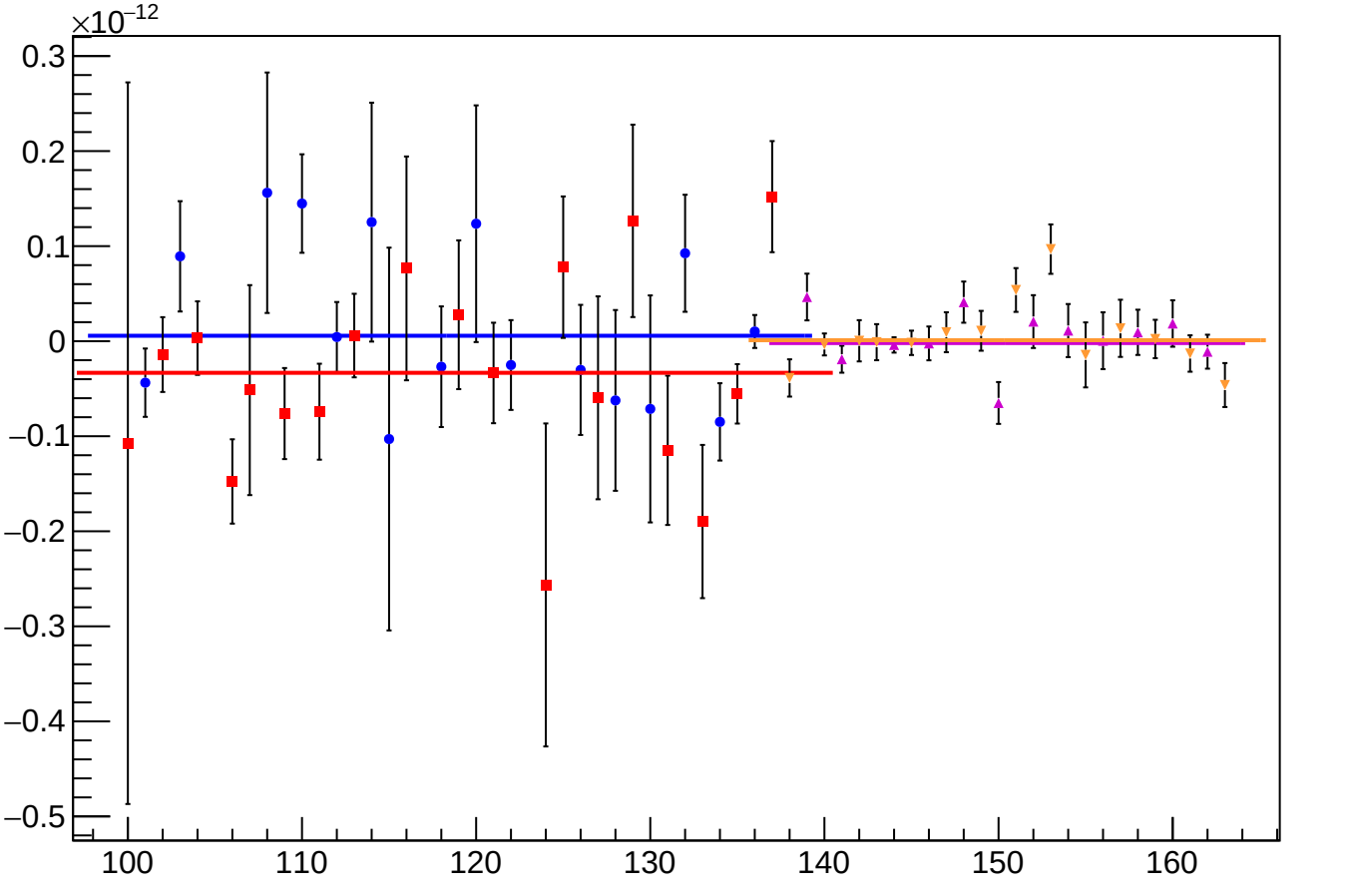
100
110
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.873+/-0.011 χ²/NDF:900152.5/13
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.132+/-0.011 χ²/NDF:579498.8/11
+ sign 40.649+/-0.007 χ²/NDF: 2929956.3/29
All: 39.434+/-0.005 χ²/NDF: 6203626.8/60
- sign 38.297+/-0.007 χ²/NDF: 3218742.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/13

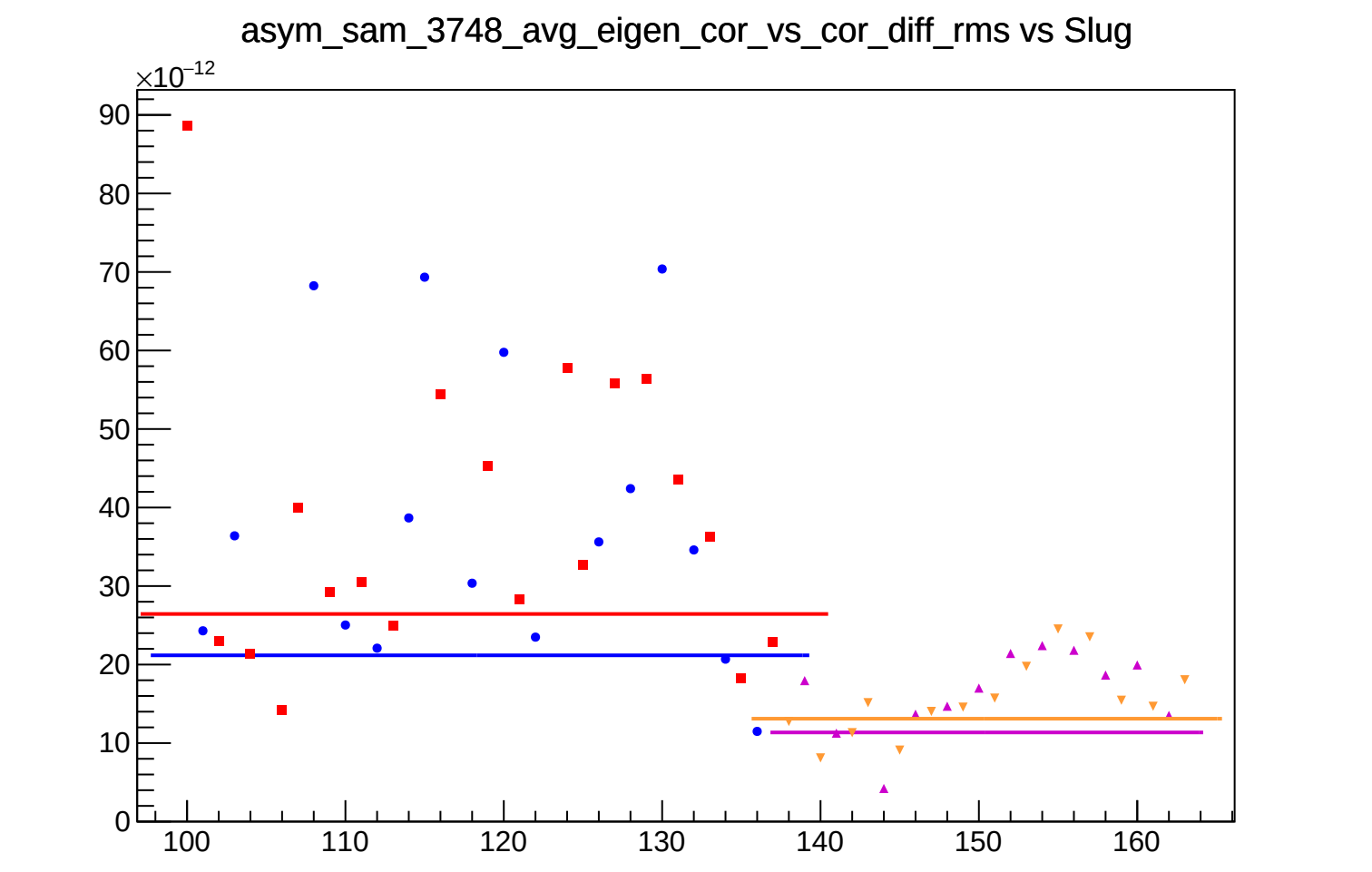
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/29

All: -0.000+/-0.000 χ^2/NDF: 111.8/60

- sign -0.000+/-0.000 χ^2/NDF: 58.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1373772.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

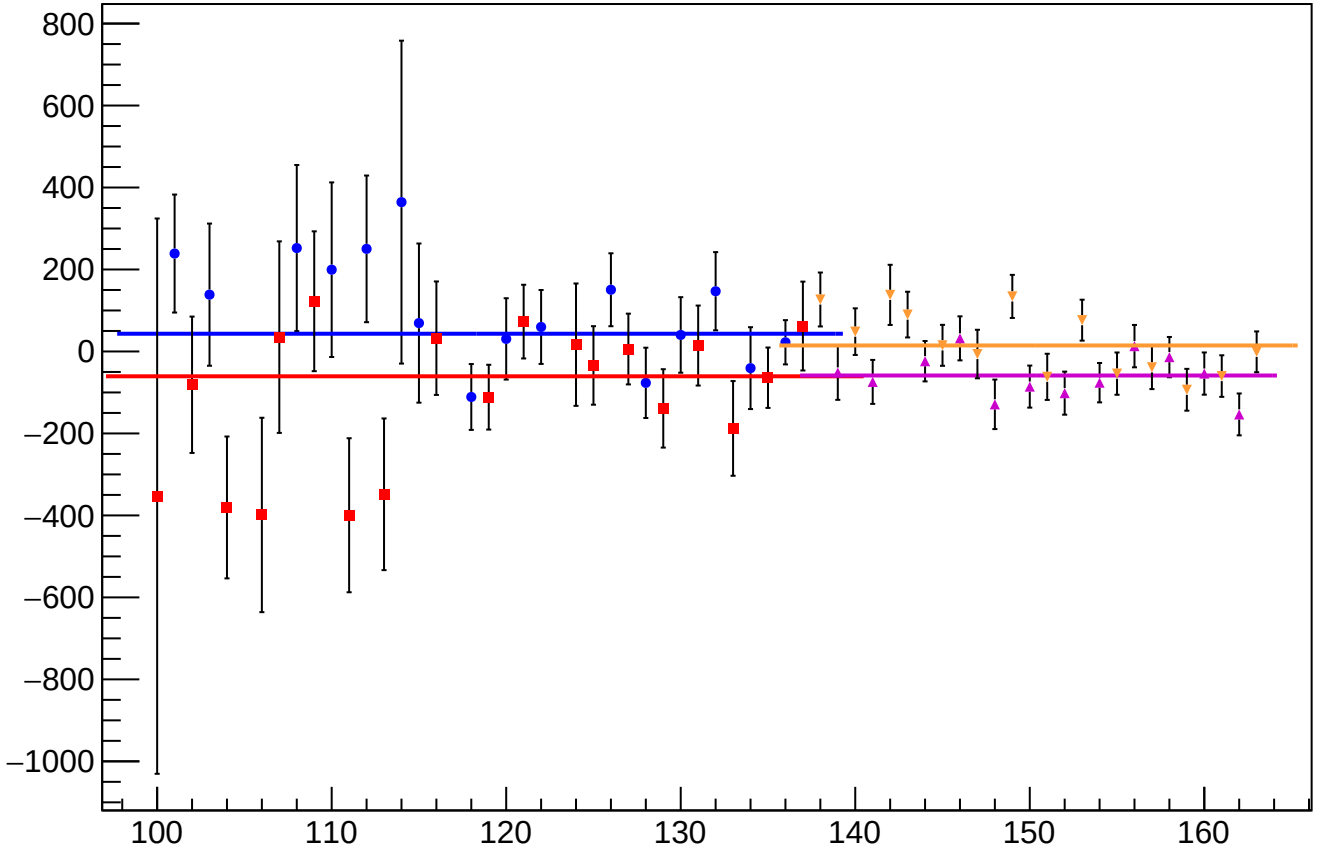
Left In: 0.000+/-0.000 χ^2/NDF:3207660.7/11

+ sign 0.000+/-0.000 χ^2/NDF: 4287287.5/29

All: 0.000+/-0.000 χ^2/NDF: 11105646.1/60

- sign 0.000+/-0.000 χ^2/NDF: 6757576.5/30

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.631+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

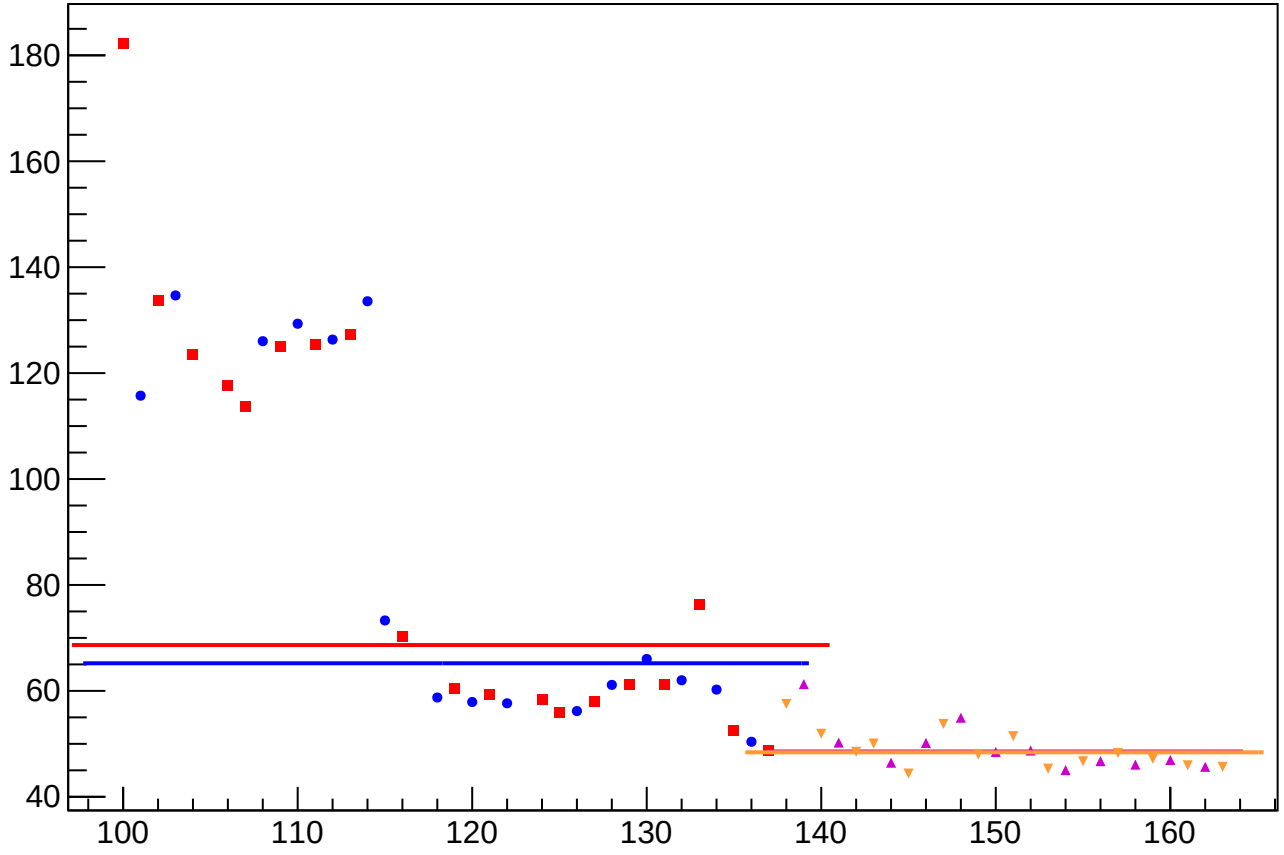
Left In: -58.646+/-15.198 χ^2/NDF:12.1/11

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -17.052+/-9.153 χ^2/NDF: 93.9/60

- sign -59.114+/-13.231 χ^2/NDF: 32.5/30

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

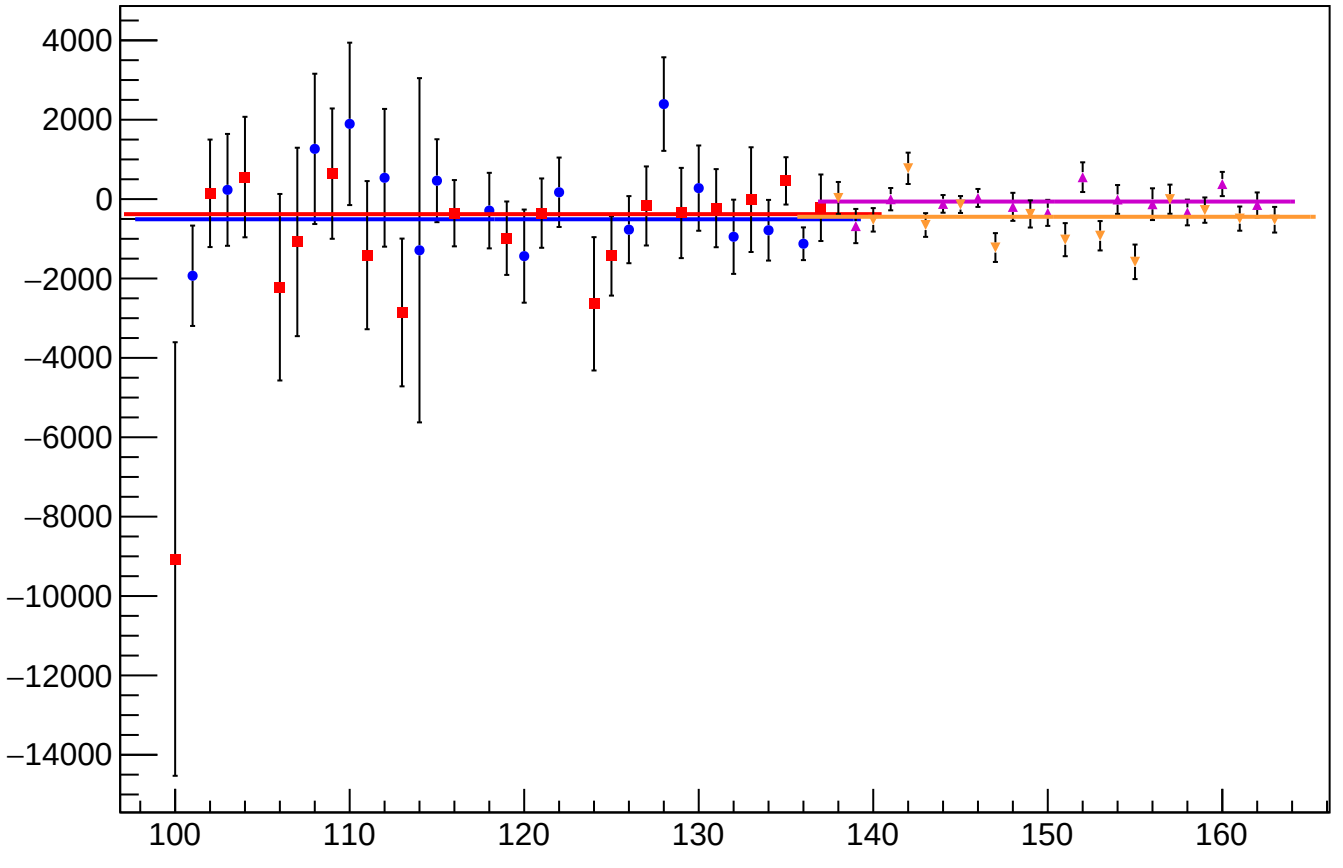
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

+ sign 52.467+/-0.009 χ^2/NDF: 2196019.3/29

All: 52.923+/-0.006 χ^2/NDF: 4818179.7/60

- sign 53.421+/-0.009 χ^2/NDF: 2616744.3/30



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.291+/-87.957 χ^2/NDF:30.4/13

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

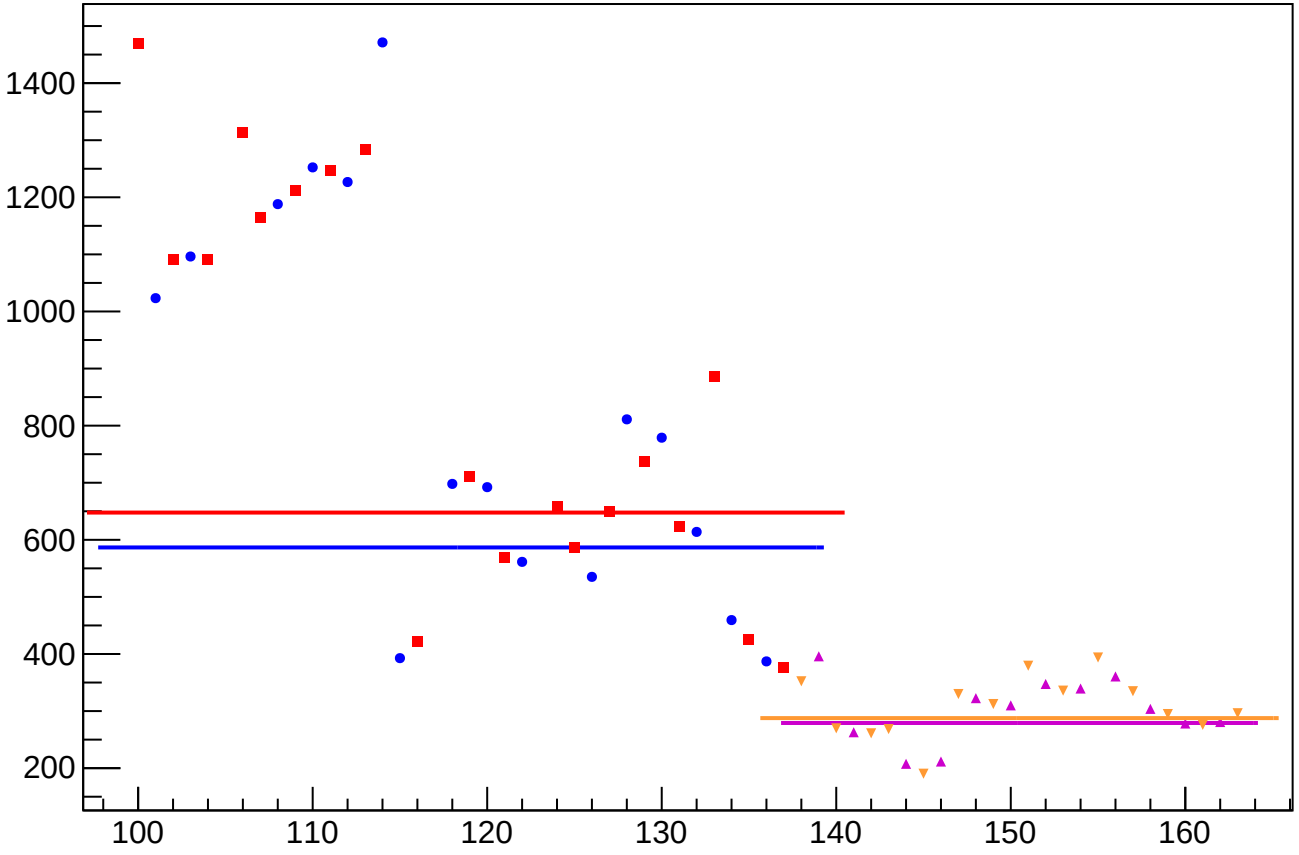
Left In: -61.795+/-88.939 χ^2/NDF:8.9/11

+ sign -452.877+/-82.459 χ^2/NDF: 46.1/29

All: -277.727+/-58.854 χ^2/NDF: 77.2/60

- sign -95.850+/-84.028 χ^2/NDF: 22.0/30

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.699+/-0.062 χ^2/NDF:819650.4/13

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

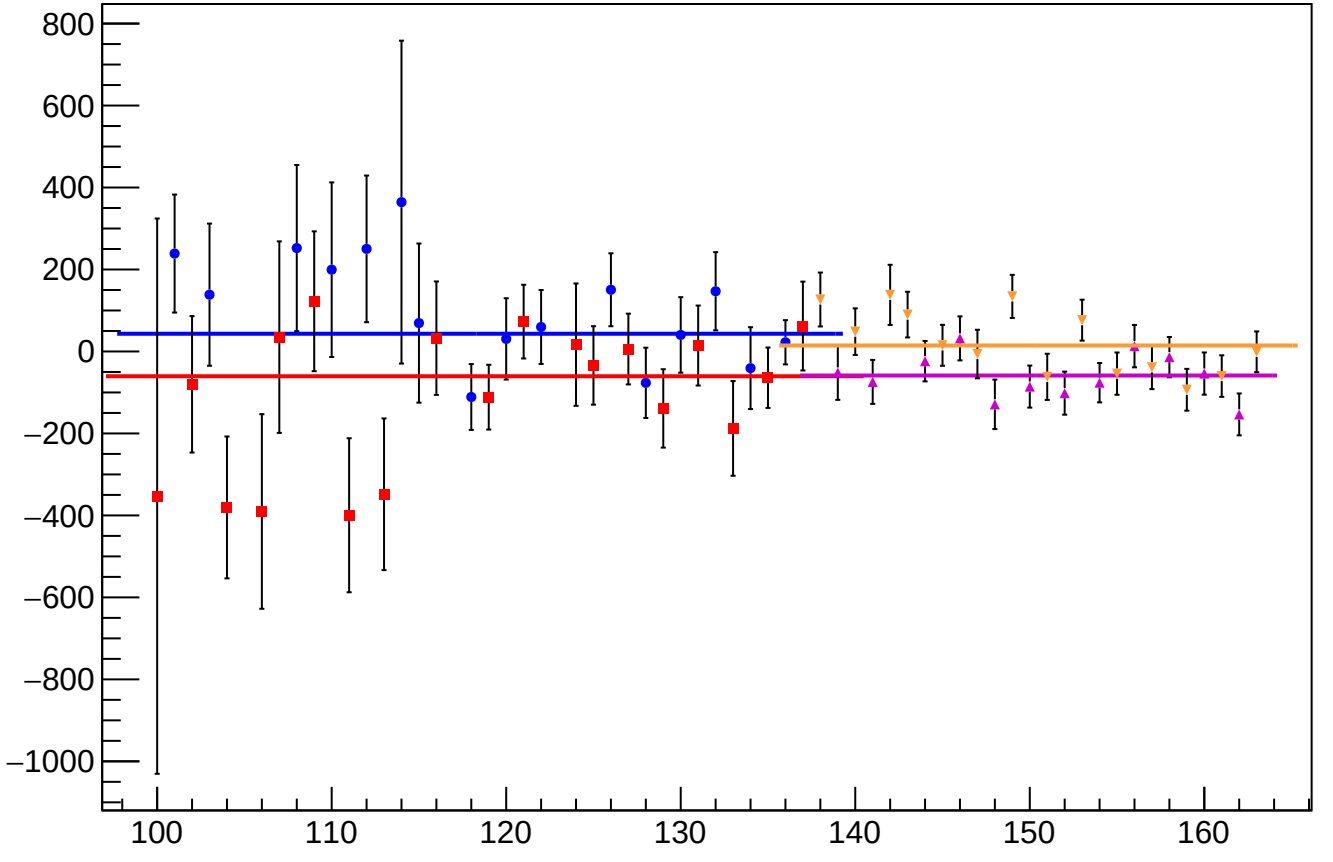
Left In: 279.150+/-0.063 χ^2/NDF:802441.3/11

+ sign 323.905+/-0.058 χ^2/NDF: 5670840.2/29

All: 321.368+/-0.042 χ^2/NDF: 12271755.6/60

- sign 318.735+/-0.059 χ^2/NDF: 6597058.6/30

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

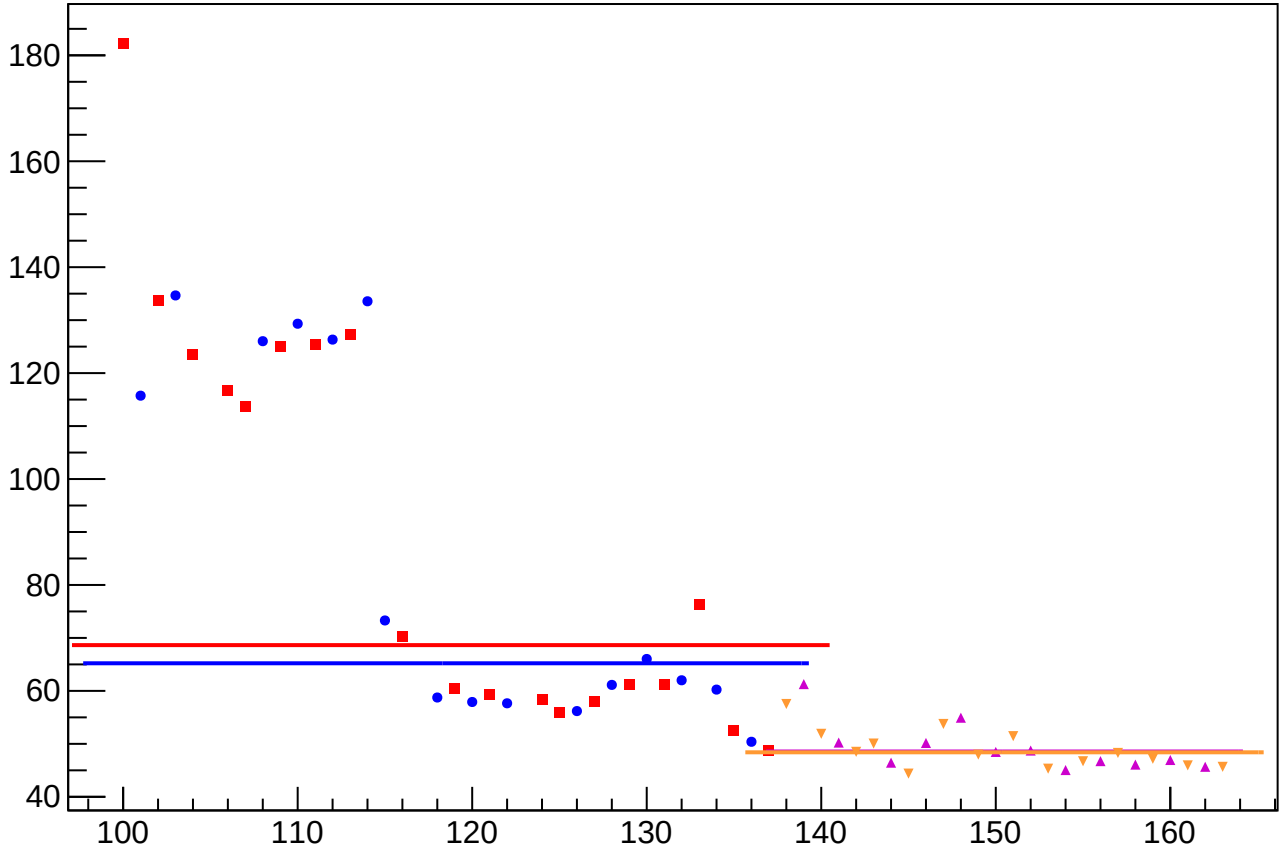
Left In: -58.645+/-15.198 χ^2/NDF:12.1/11

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -17.034+/-9.153 χ^2/NDF: 93.8/60

- sign -59.077+/-13.231 χ^2/NDF: 32.4/30

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

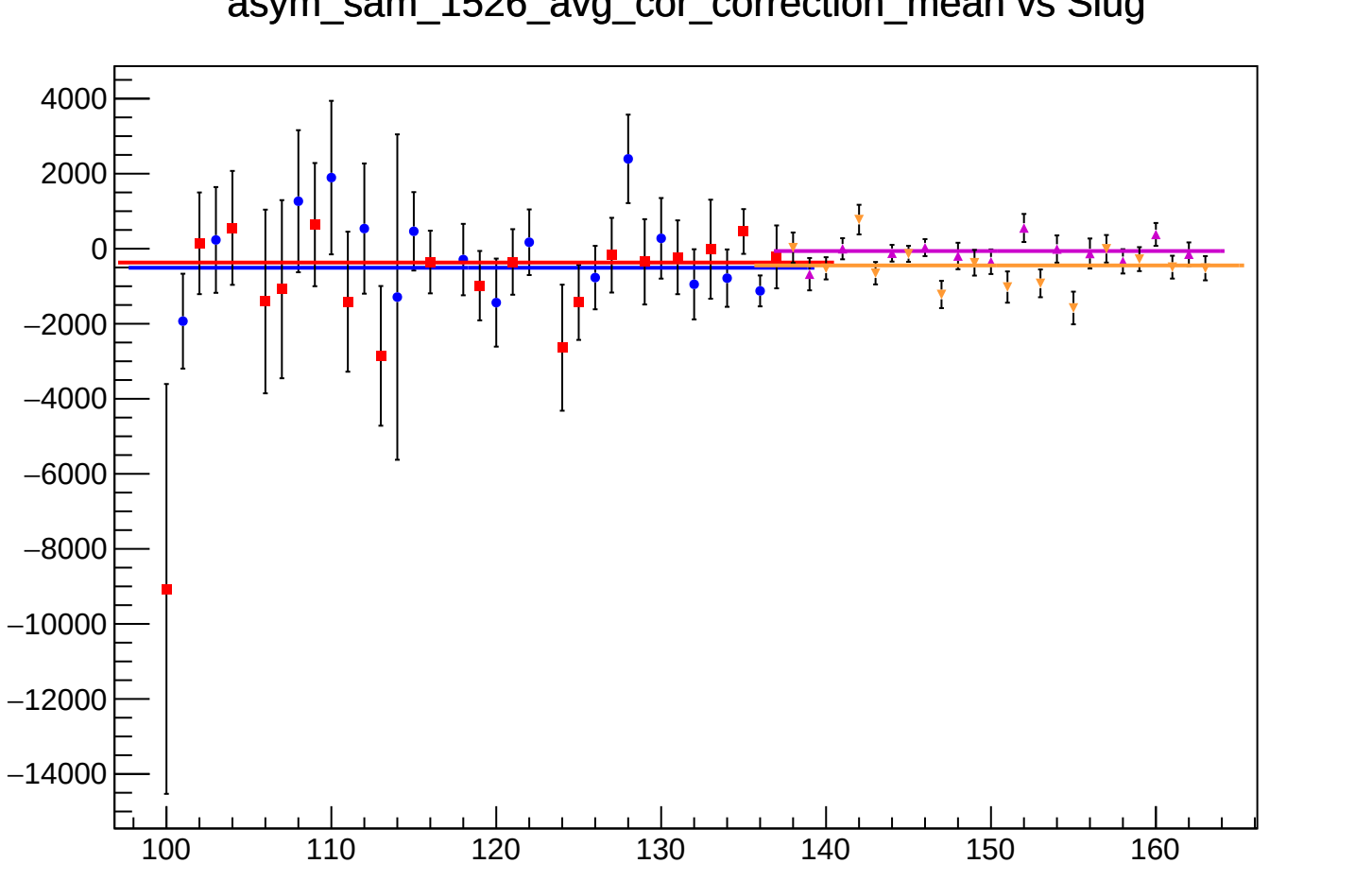
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

+ sign 52.467+/-0.009 χ^2/NDF: 2196021.4/29

All: 52.922+/-0.006 χ^2/NDF: 4813546.1/60

- sign 53.417+/-0.009 χ^2/NDF: 2612150.6/30



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

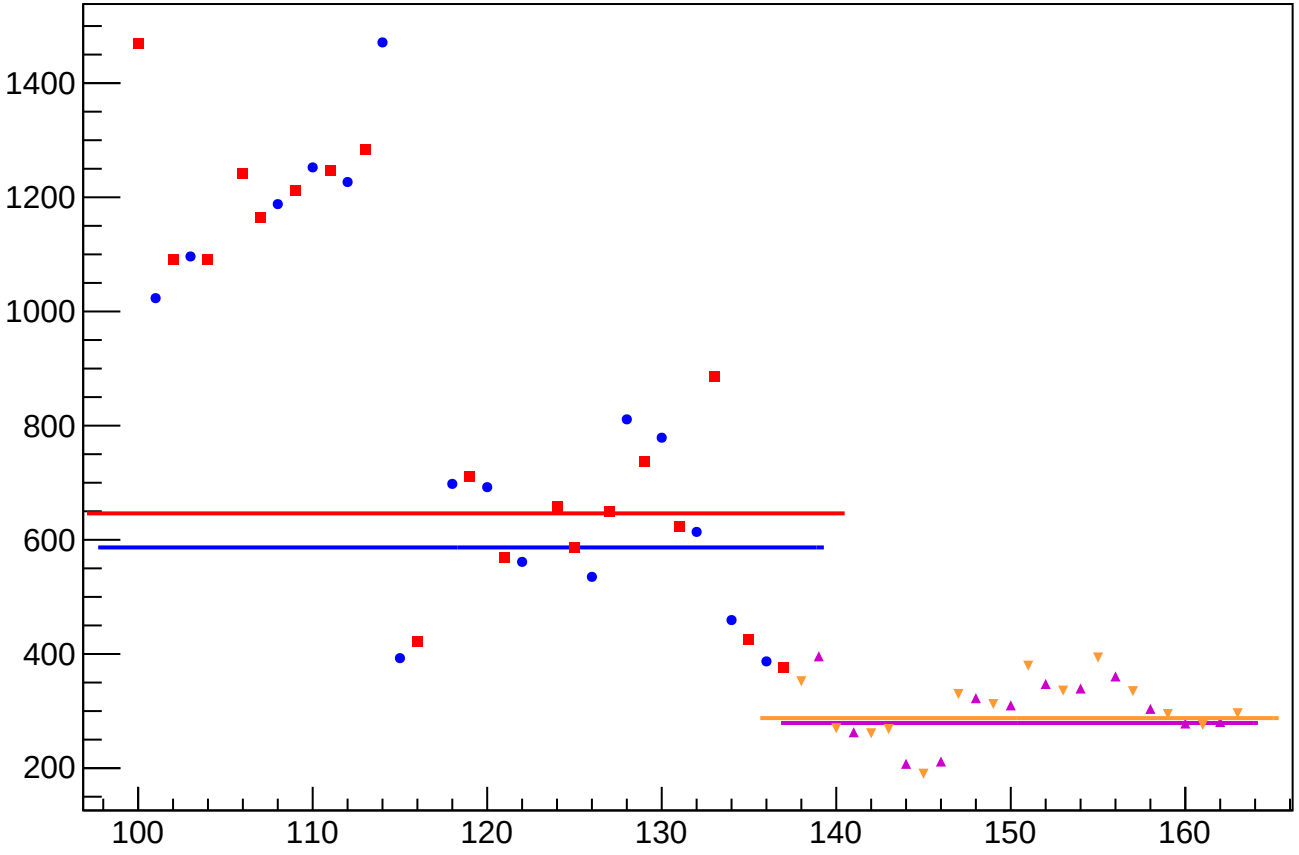
Left In: -61.794+/-88.939 χ^2/NDF:8.9/11

+ sign -452.872+/-82.459 χ^2/NDF: 46.1/29

All: -277.163+/-58.856 χ^2/NDF: 76.7/60

- sign -94.686+/-84.032 χ^2/NDF: 21.4/30

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

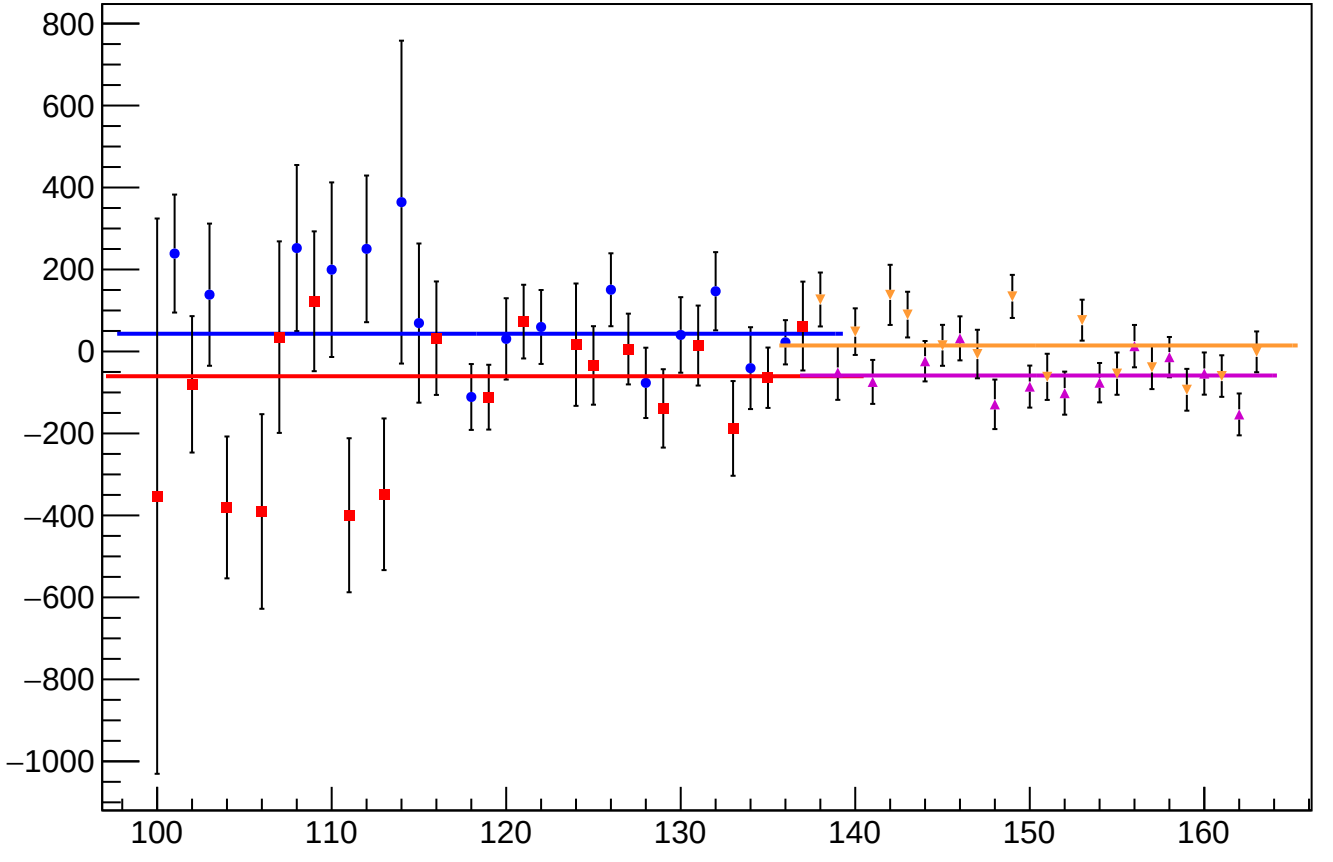
Left In: 279.150+/-0.063 χ^2/NDF:802436.5/11

+ sign 323.904+/-0.058 χ^2/NDF: 5670871.6/29

All: 321.277+/-0.042 χ^2/NDF: 12198245.3/60

- sign 318.549+/-0.059 χ^2/NDF: 6523235.1/30

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

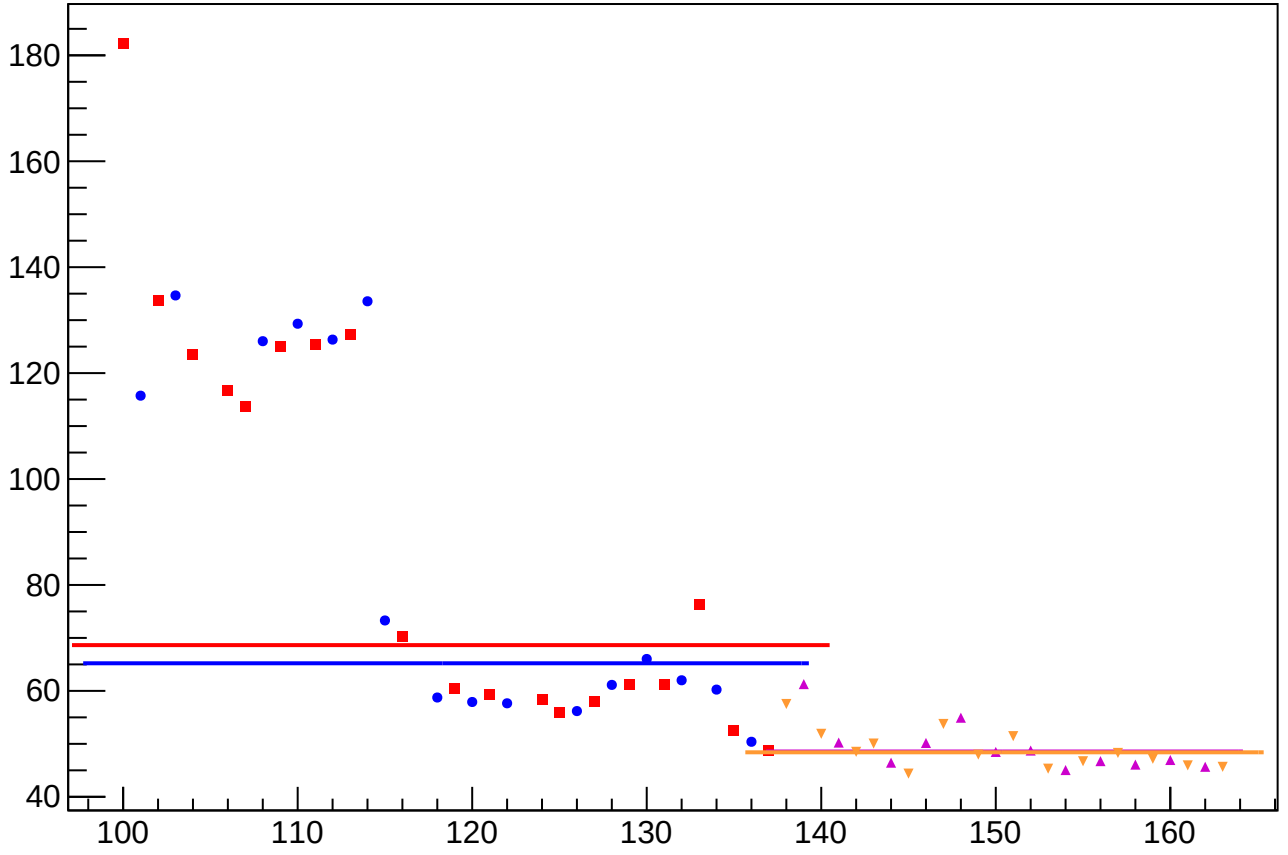
Left In: -58.645+/-15.198 χ^2/NDF:12.1/11

+ sign 21.548+/-12.675 χ^2/NDF: 42.0/29

All: -17.034+/-9.153 χ^2/NDF: 93.8/60

- sign -59.077+/-13.231 χ^2/NDF: 32.4/30

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

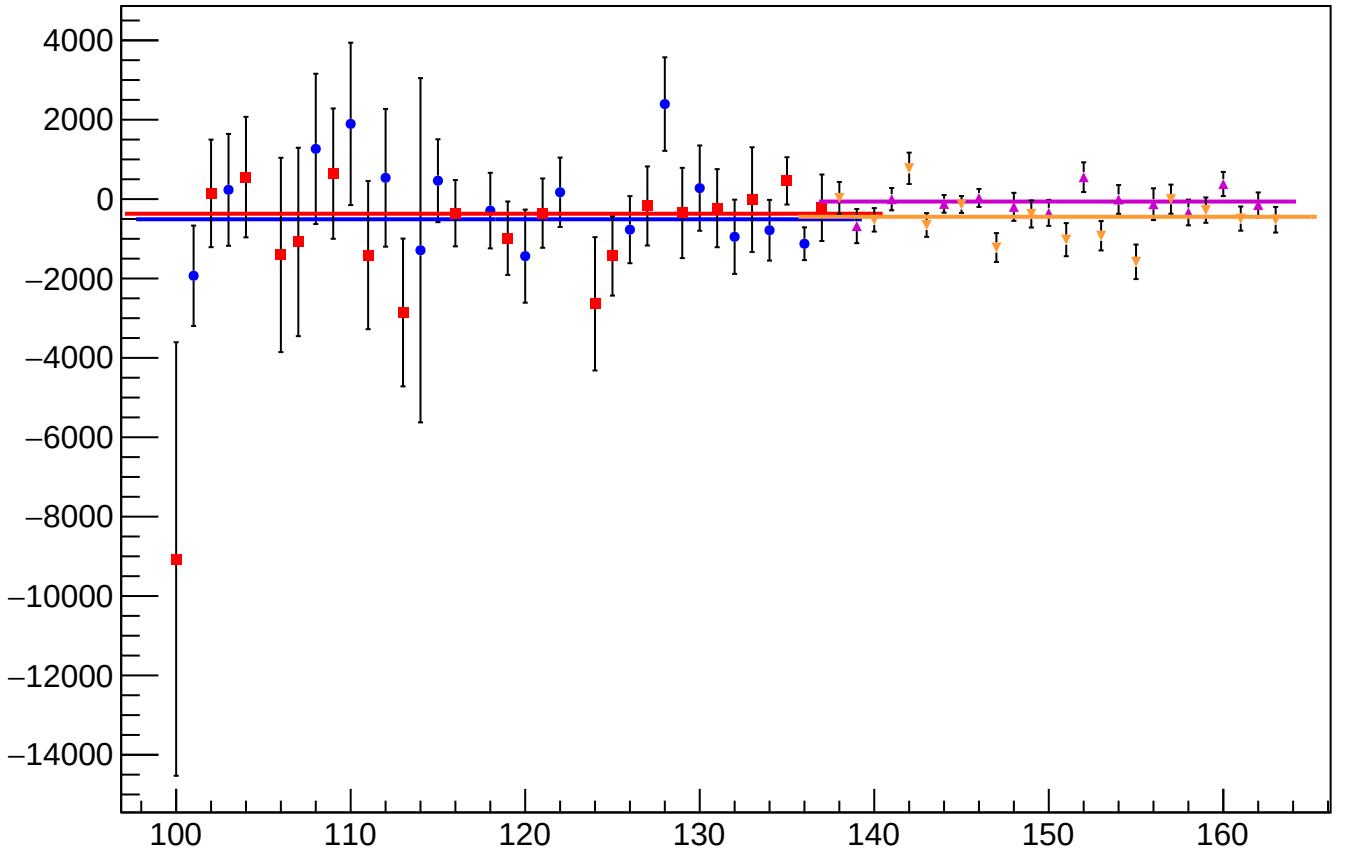
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

+ sign 52.467+/-0.009 χ^2/NDF: 2196021.4/29

All: 52.922+/-0.006 χ^2/NDF: 4813546.1/60

- sign 53.417+/-0.009 χ^2/NDF: 2612150.6/30



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.287+/-87.957 χ^2/NDF:30.4/13

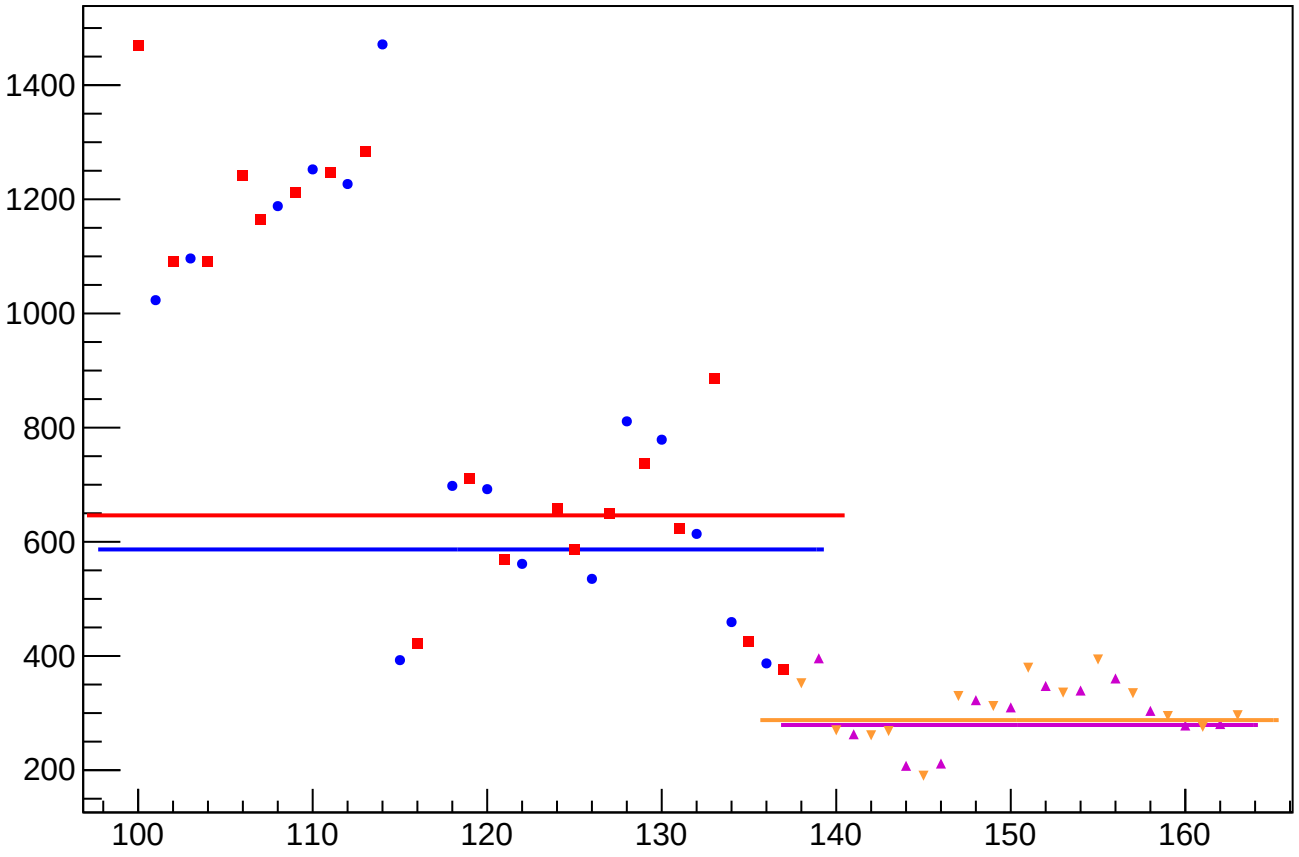
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: -61.794+/-88.939 χ^2/NDF:8.9/11

+ sign -452.872+/-82.459 χ^2/NDF: 46.1/29

All: -277.163+/-58.856 χ^2/NDF: 76.7/60

- sign -94.686+/-84.032 χ^2/NDF: 21.4/30



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

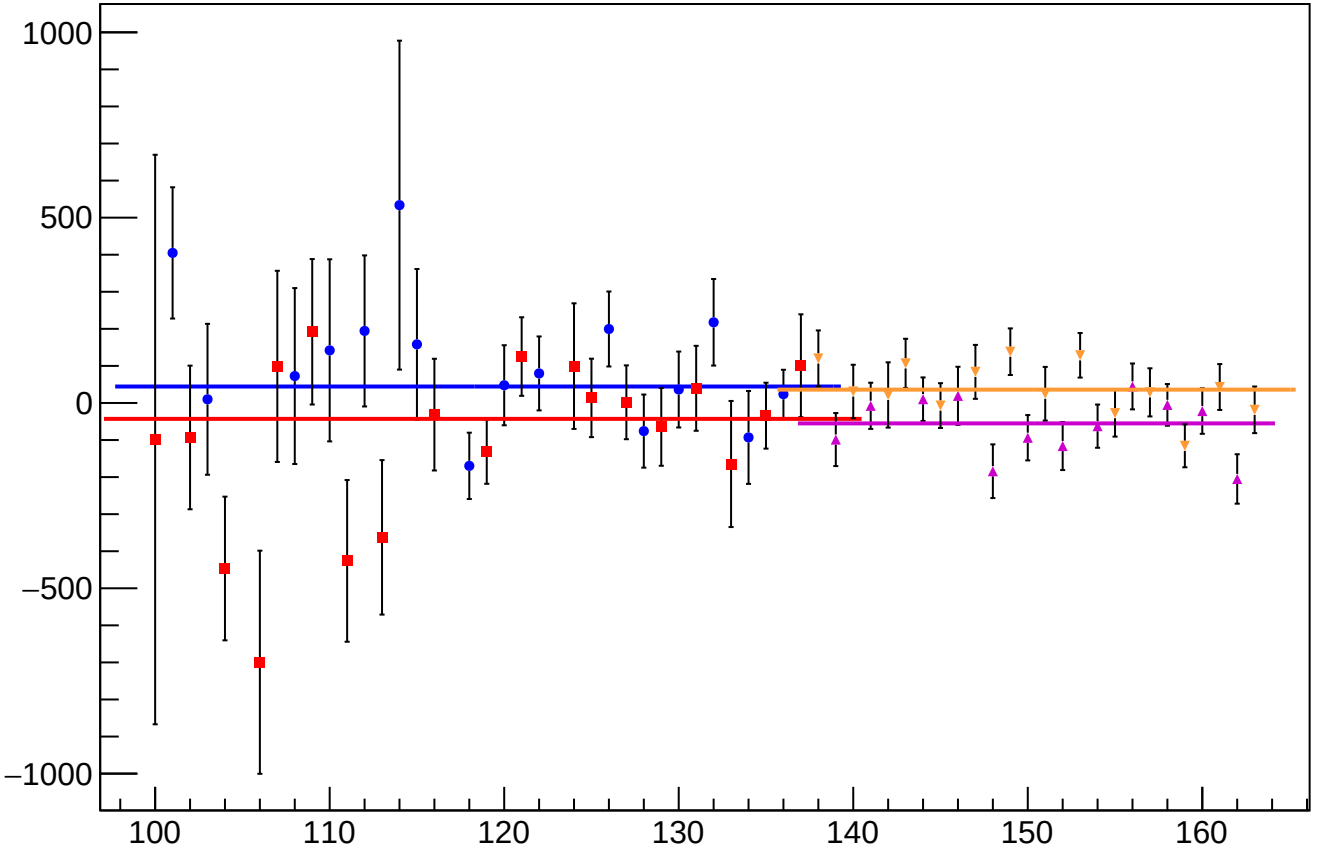
Left In: 279.150+/-0.063 χ^2/NDF:802436.5/11

+ sign 323.904+/-0.058 χ^2/NDF: 5670871.6/29

All: 321.277+/-0.042 χ^2/NDF: 12198245.3/60

- sign 318.549+/-0.059 χ^2/NDF: 6523235.1/30

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

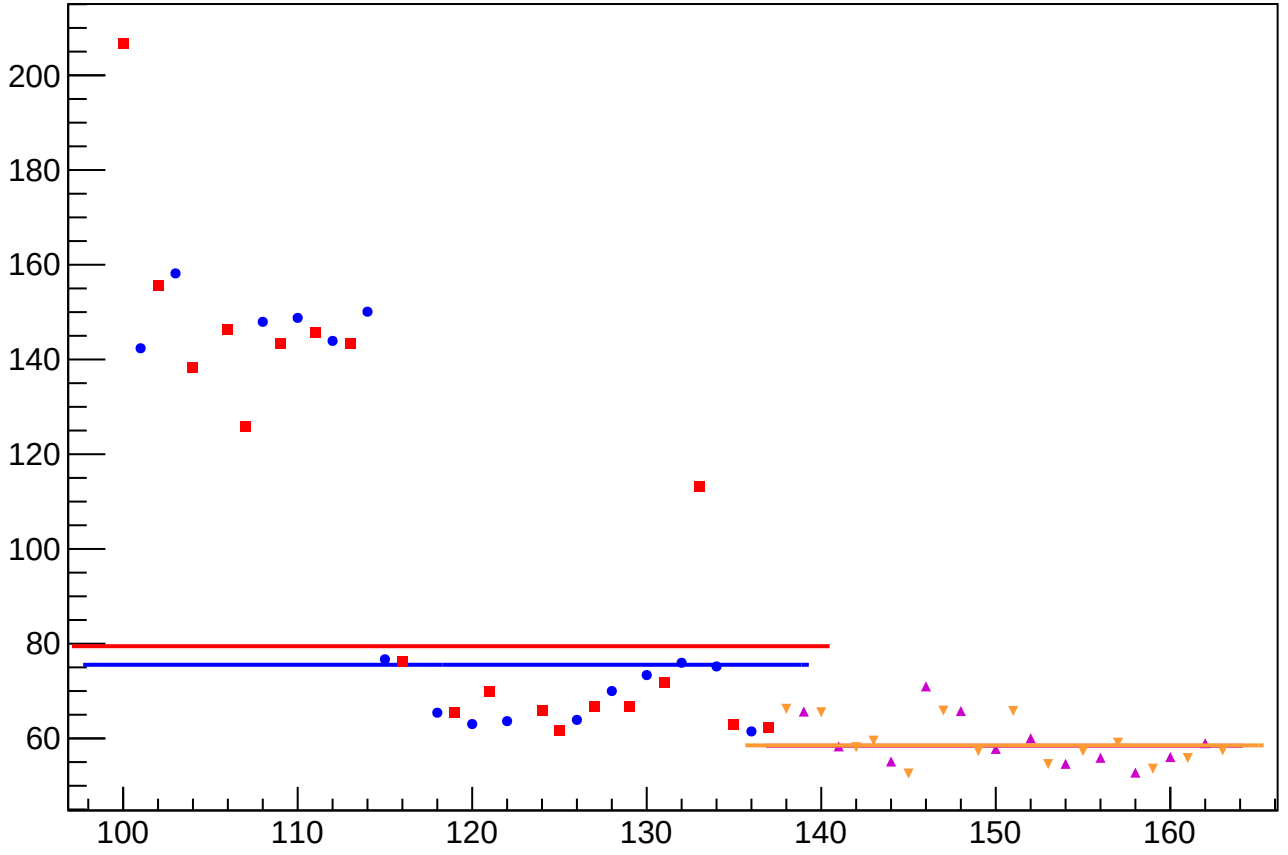
Left In: -55.093+/-18.368 χ^2/NDF:16.3/11

+ sign 38.153+/-15.207 χ^2/NDF: 36.7/29

All: -5.083+/-10.968 χ^2/NDF: 93.2/60

- sign -51.962+/-15.835 χ^2/NDF: 39.7/30

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.529+/-0.012 χ^2/NDF:128974.4/13

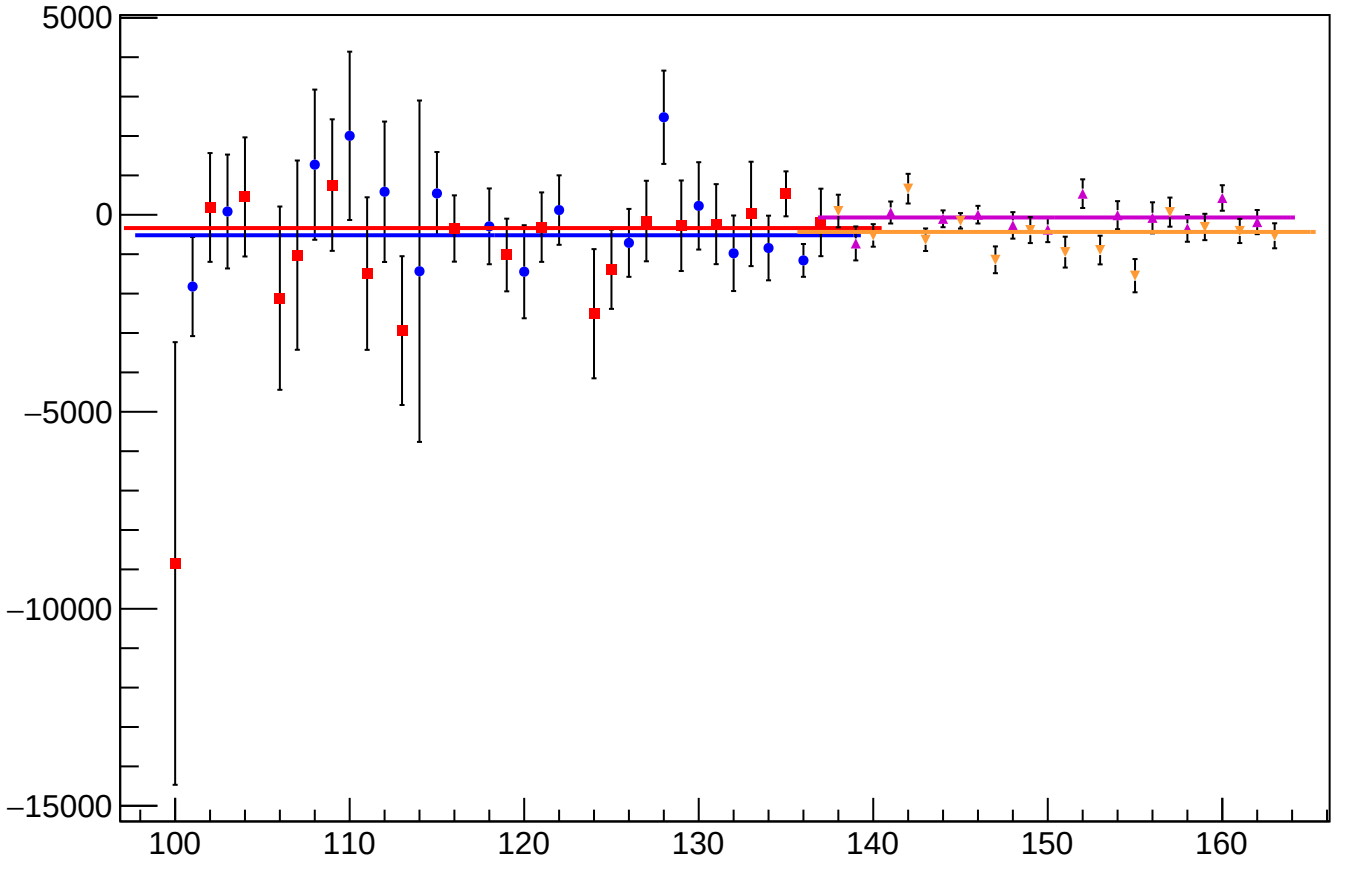
Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.442+/-0.013 χ^2/NDF:135201.4/11

+ sign 62.928+/-0.011 χ^2/NDF: 2074497.0/29

All: 63.366+/-0.008 χ^2/NDF: 4569618.5/60

- sign 63.840+/-0.011 χ^2/NDF: 2491666.4/30



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -434.817+/-85.252 χ^2/NDF:29.5/13

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

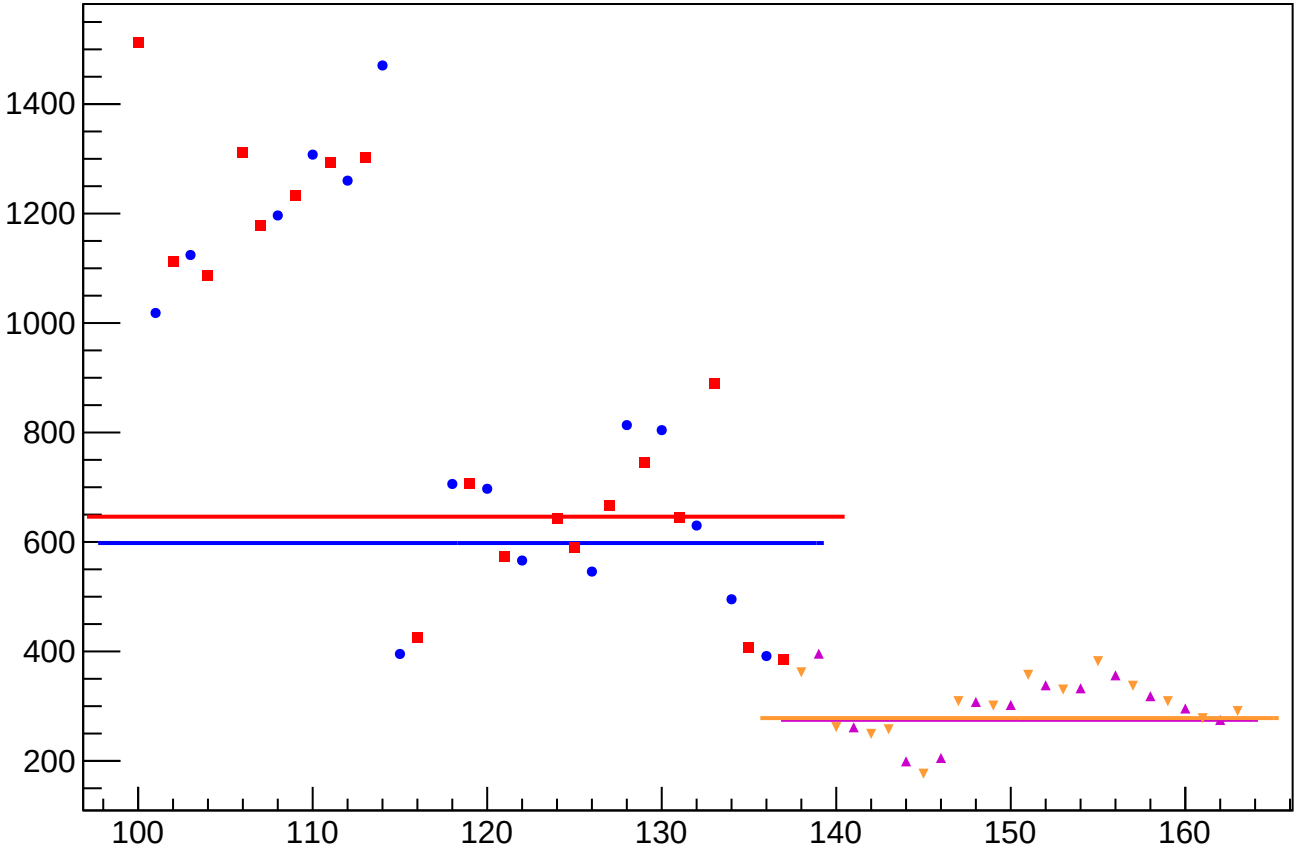
Left In: -67.920+/-87.871 χ^2/NDF:9.9/11

+ sign -444.185+/-80.383 χ^2/NDF: 45.4/29

All: -276.008+/-57.787 χ^2/NDF: 77.2/60

- sign -96.130+/-83.132 χ^2/NDF: 22.8/30

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 278.223+/-0.060 χ^2/NDF:987907.2/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

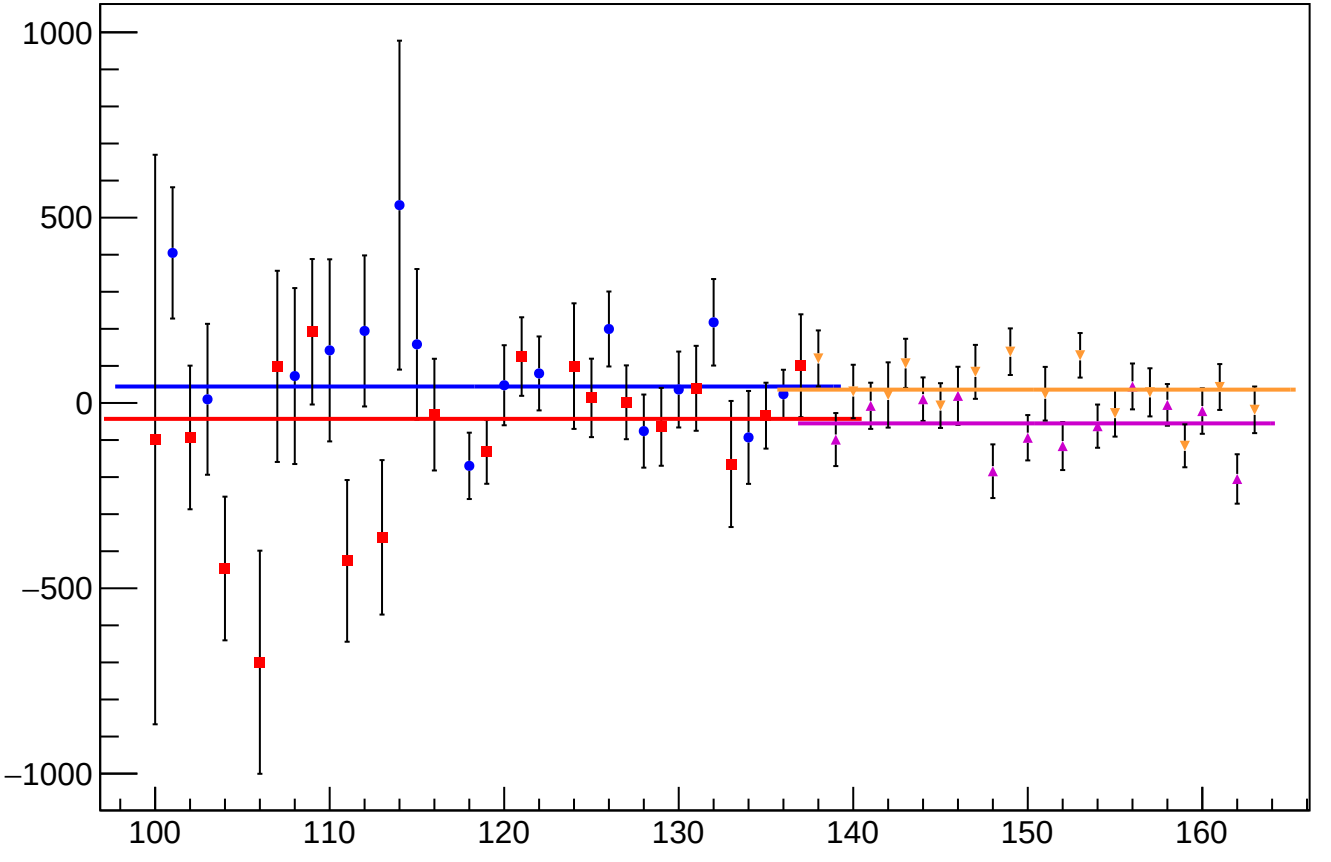
Left In: 275.072+/-0.062 χ^2/NDF:880108.6/11

+ sign 313.709+/-0.057 χ^2/NDF: 6158888.4/29

All: 313.859+/-0.041 χ^2/NDF: 12988394.8/60

- sign 314.019+/-0.059 χ^2/NDF: 6829492.0/30

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

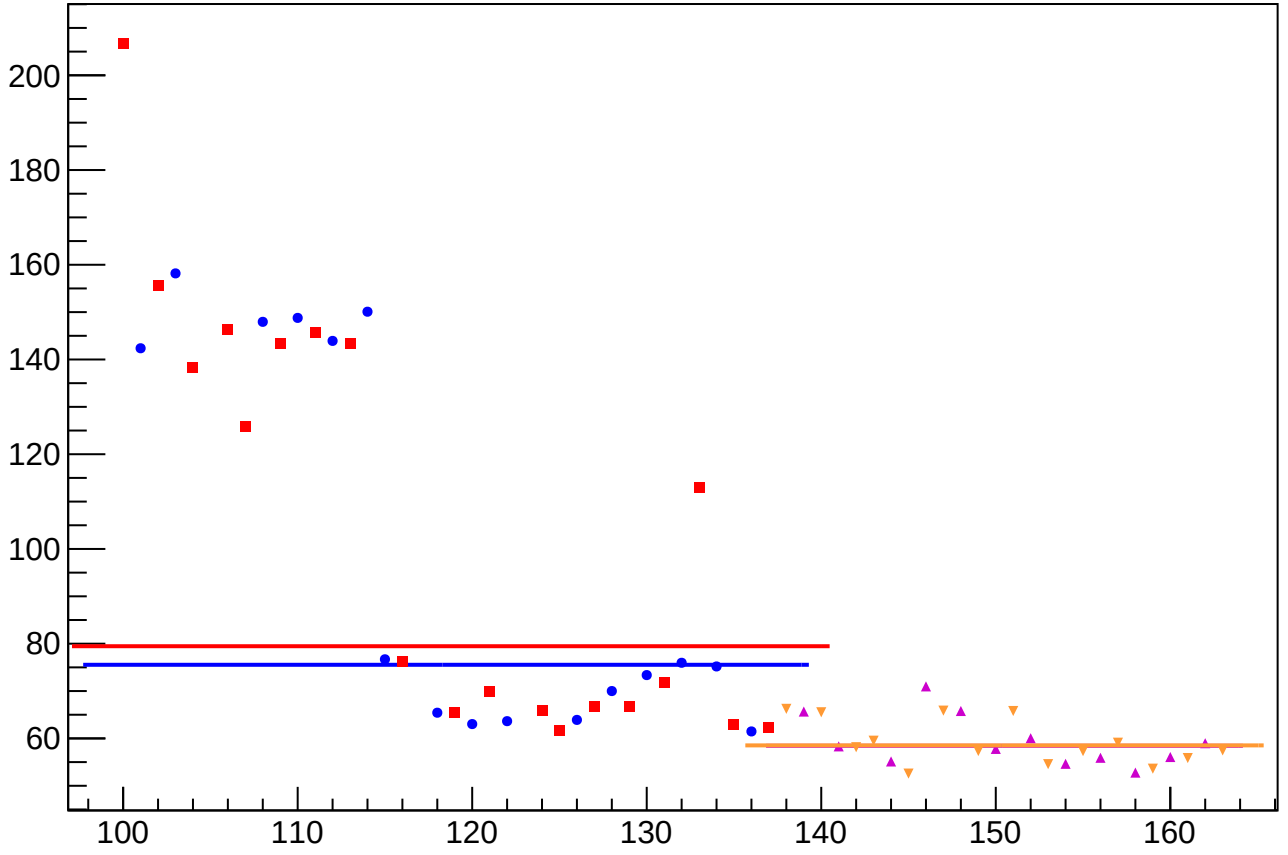
Left In: -55.092+/-18.368 χ^2/NDF:16.3/11

+ sign 38.153+/-15.207 χ^2/NDF: 36.7/29

All: -5.083+/-10.968 χ^2/NDF: 93.2/60

- sign -51.961+/-15.835 χ^2/NDF: 39.7/30

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.529+/-0.012 χ^2/NDF:128975.0/13

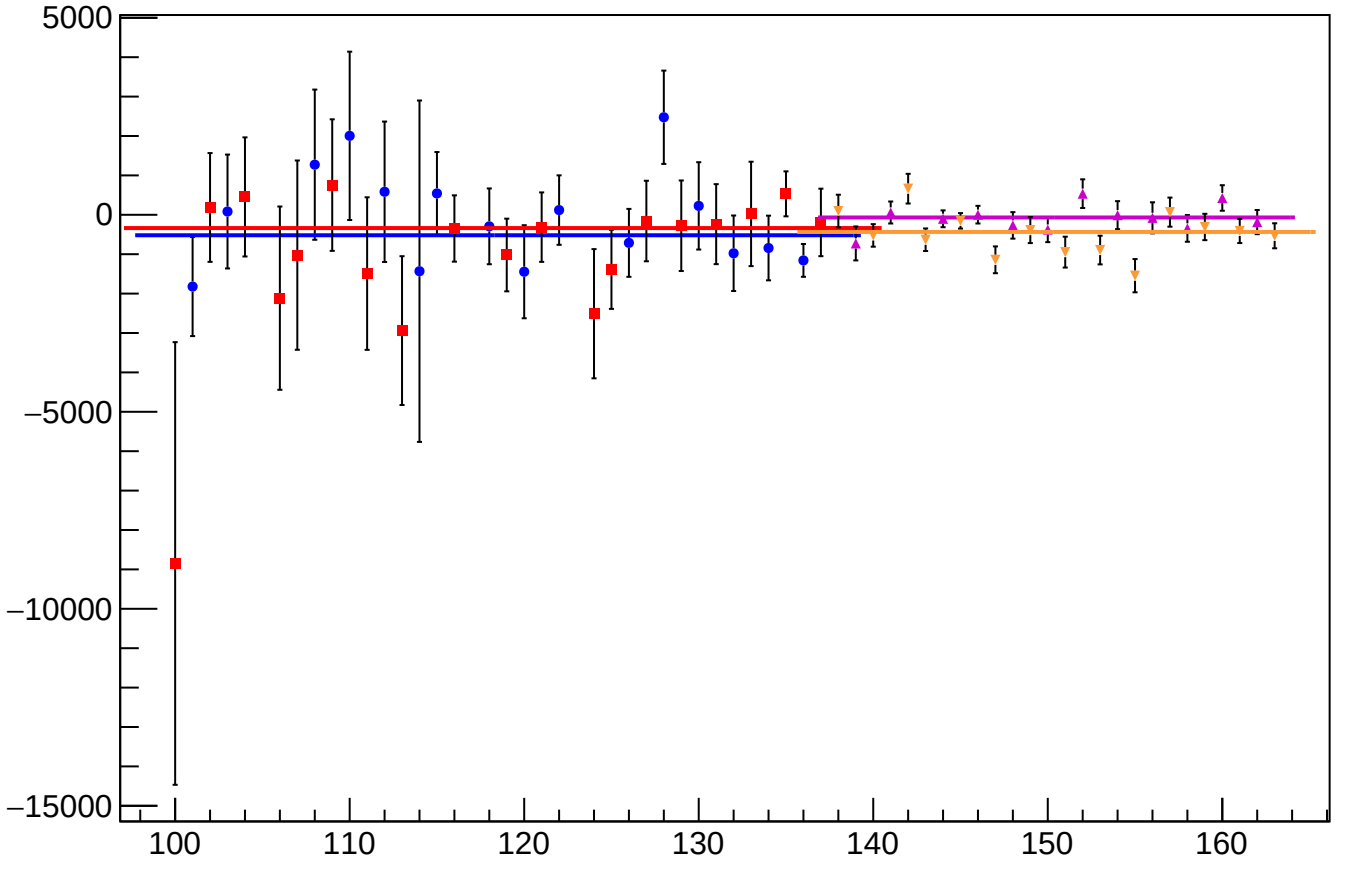
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.442+/-0.013 χ^2/NDF:135206.3/11

+ sign 62.928+/-0.011 χ^2/NDF: 2074459.2/29

All: 63.366+/-0.008 χ^2/NDF: 4569553.3/60

- sign 63.841+/-0.011 χ^2/NDF: 2491639.0/30



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -434.817+/-85.251 χ^2/NDF:29.5/13

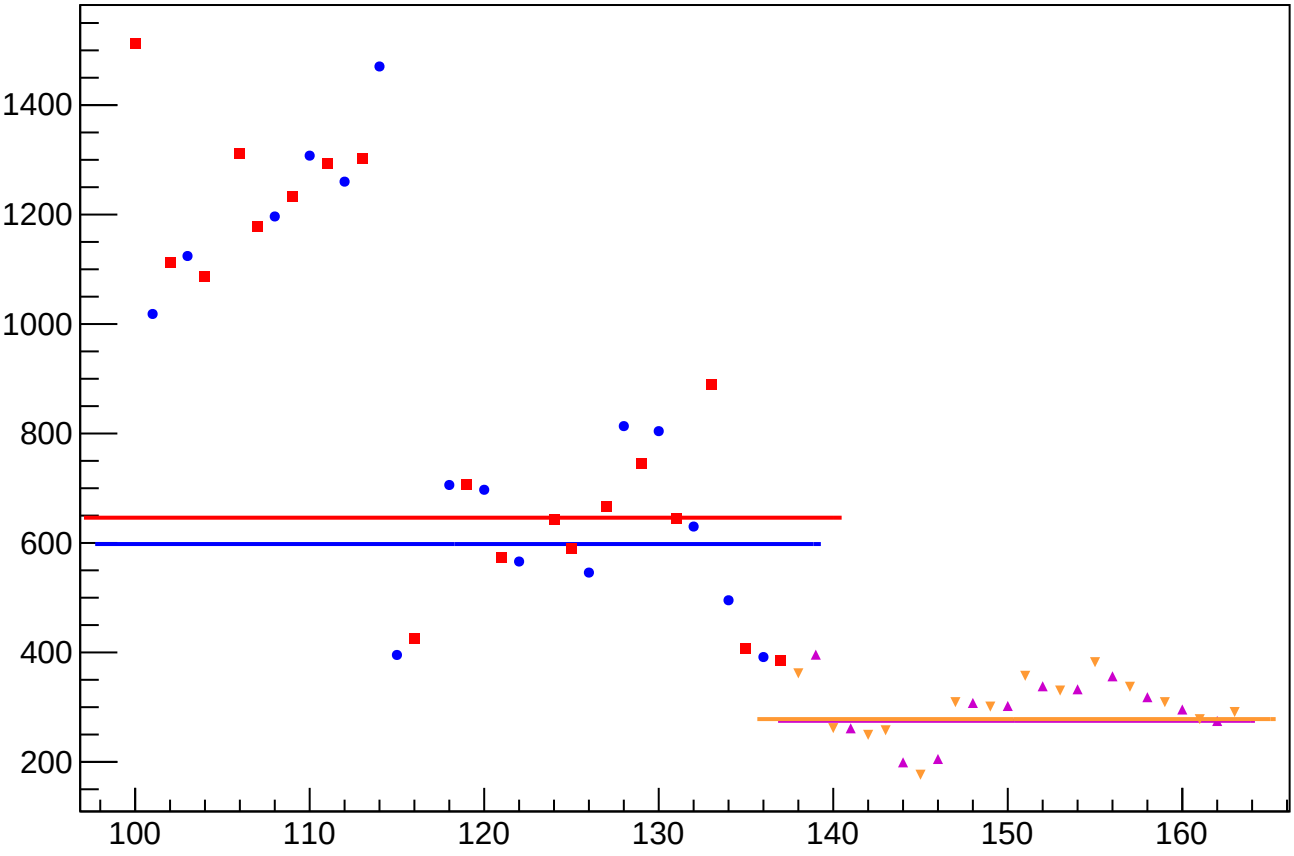
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: -67.920+/-87.871 χ^2/NDF:9.9/11

\+ sign -444.185+/-80.383 χ^2/NDF: 45.4/29

All: -276.008+/-57.787 χ^2/NDF: 77.2/60

\- sign -96.130+/-83.132 χ^2/NDF: 22.8/30



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 278.222+/-0.060 χ^2/NDF:987915.0/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

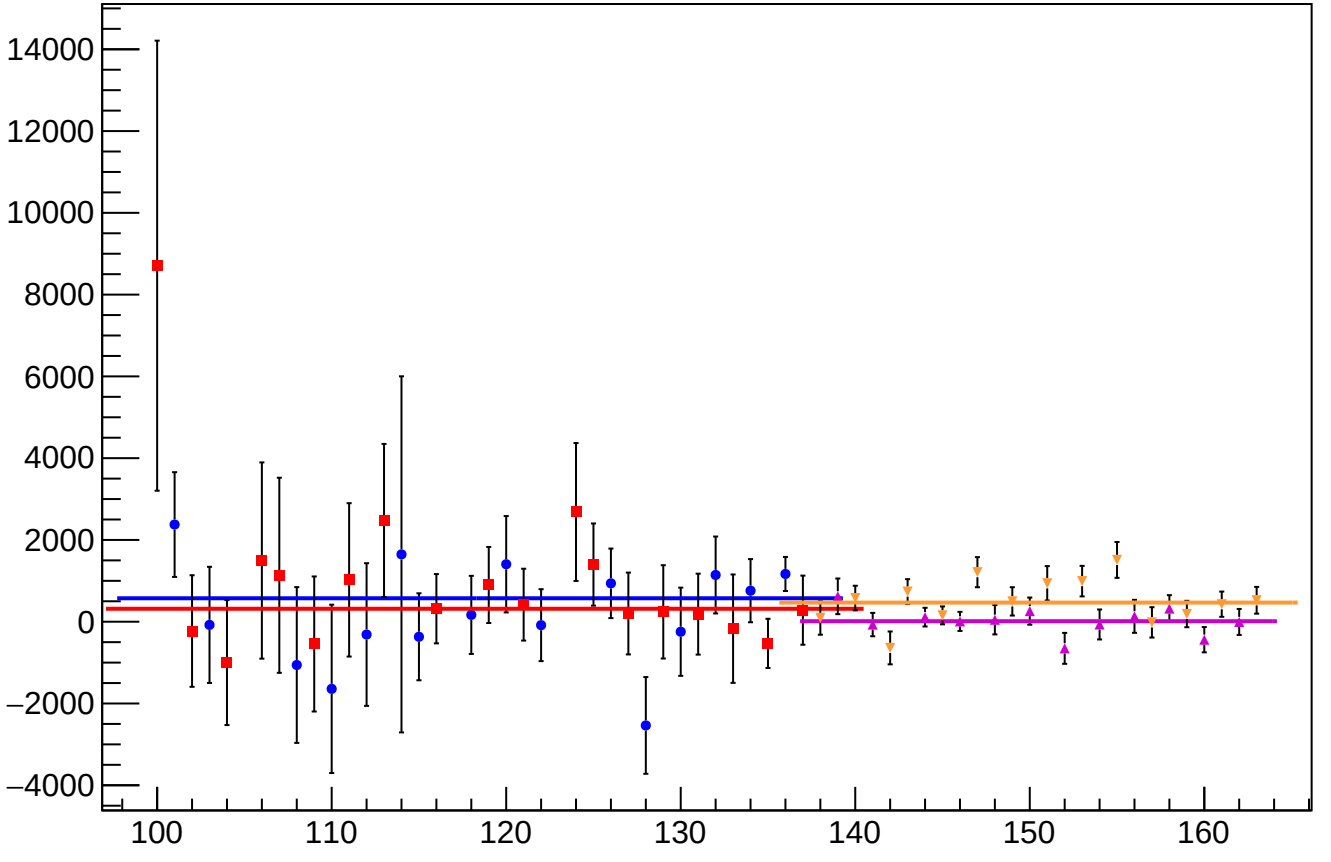
Left In: 275.072+/-0.062 χ^2/NDF:880106.0/11

+ sign 313.708+/-0.057 χ^2/NDF: 6158887.7/29

All: 313.859+/-0.041 χ^2/NDF: 12988384.5/60

- sign 314.019+/-0.059 χ^2/NDF: 6829482.3/30

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 467.953+/-89.354 χ^2/NDF:26.9/13

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

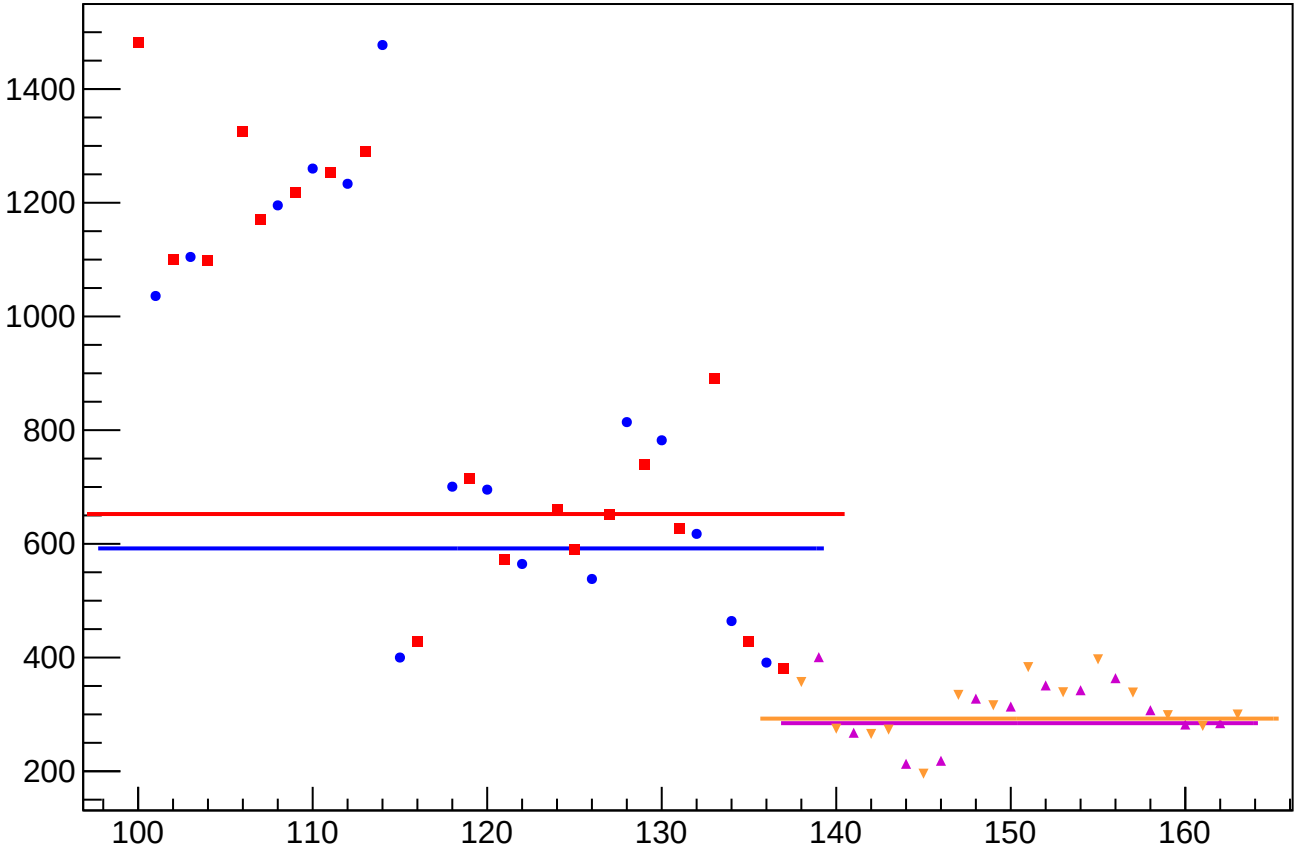
Left In: 12.620+/-90.529 χ^2/NDF:9.0/11

+ sign 480.889+/-83.692 χ^2/NDF: 43.6/29

All: 267.876+/-59.785 χ^2/NDF: 78.1/60

- sign 45.914+/-85.432 χ^2/NDF: 21.3/30

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.603+/-0.063 χ^2/NDF:772242.9/13

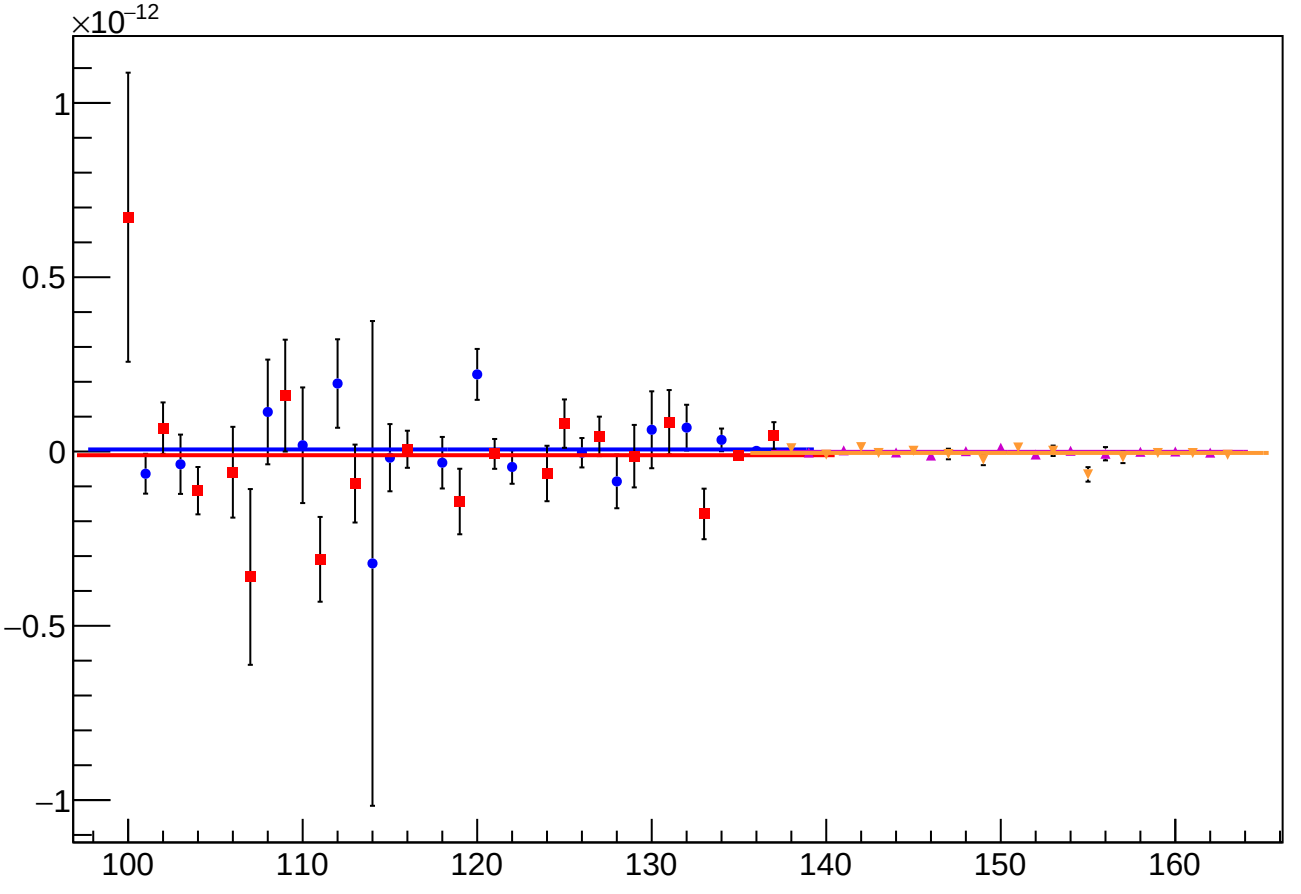
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.565+/-0.064 χ^2/NDF:747474.1/11

+ sign 329.337+/-0.059 χ^2/NDF: 5562723.5/29

All: 327.129+/-0.042 χ^2/NDF: 12017902.2/60

- sign 324.829+/-0.060 χ^2/NDF: 6452337.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

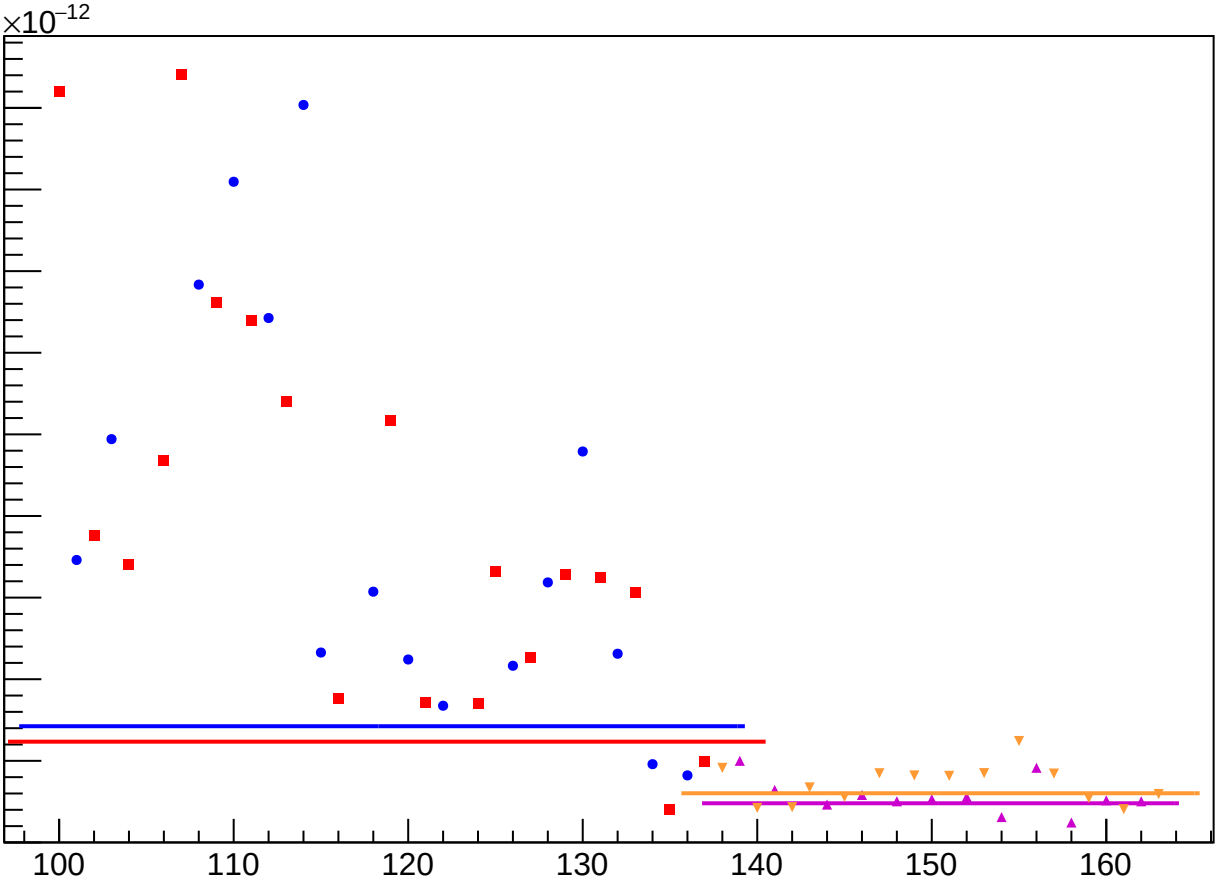
Left In: -0.000+/-0.000 χ^2/NDF:3.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/29

All: -0.000+/-0.000 χ^2/NDF: 70.1/60

- sign -0.000+/-0.000 χ^2/NDF: 33.9/30

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:824259.0/13

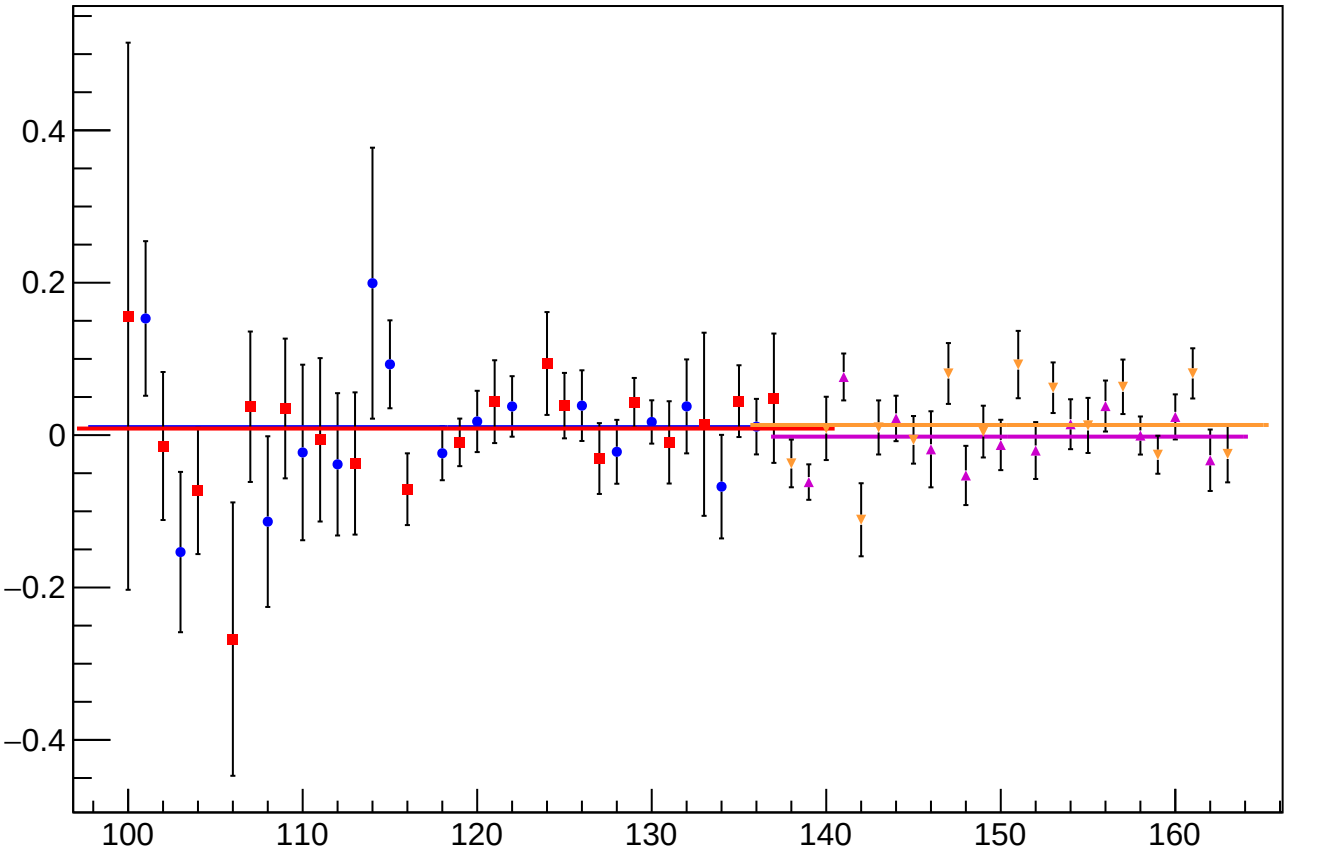
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:767929.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 4443983.5/29

All: 0.000+/-0.000 χ^2/NDF: 9886919.2/60

- sign 0.000+/-0.000 χ^2/NDF: 5200910.2/30



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

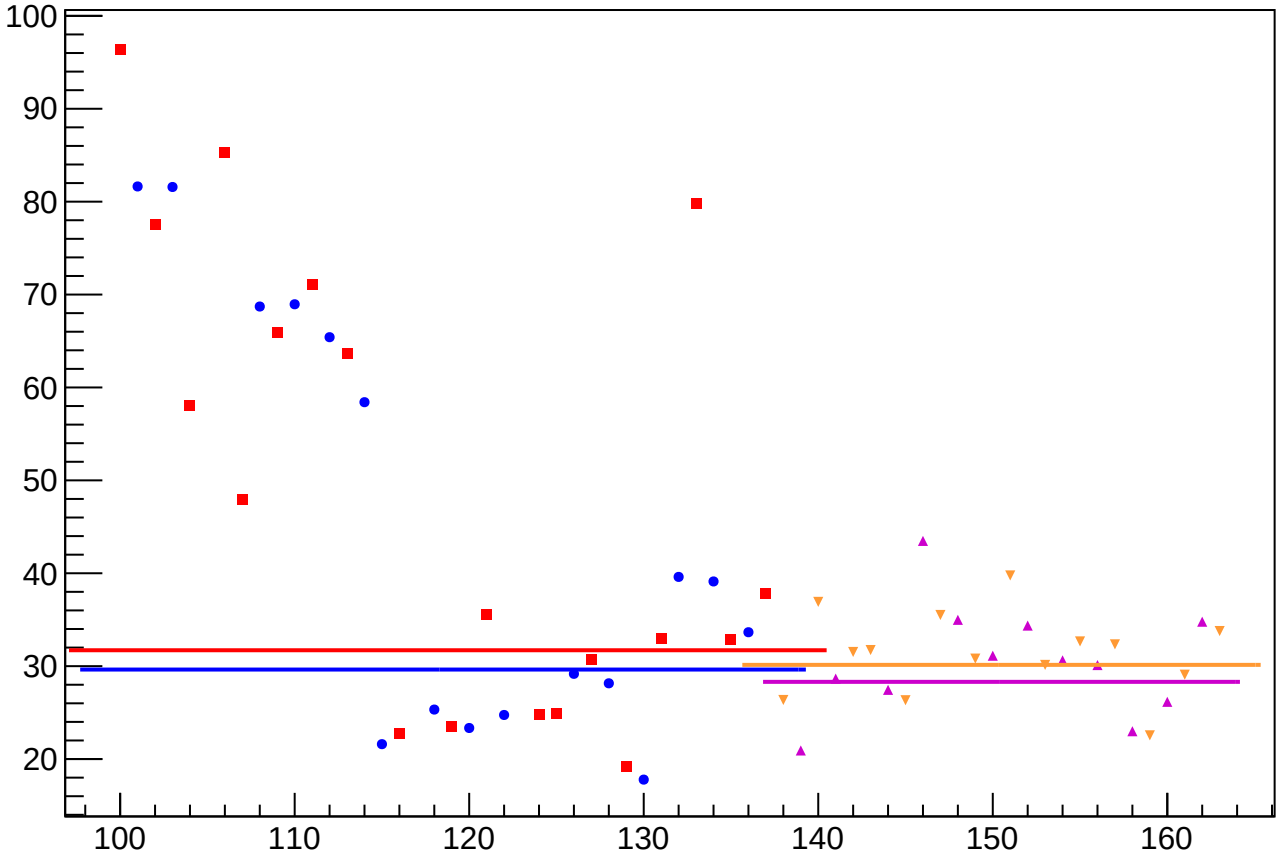
Left In: -0.002+/-0.009 χ^2/NDF:18.9/11

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 73.7/60

- sign 0.001+/-0.008 χ^2/NDF: 31.8/30

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: 30.139+/-0.007 χ^2/NDF:473467.1/13

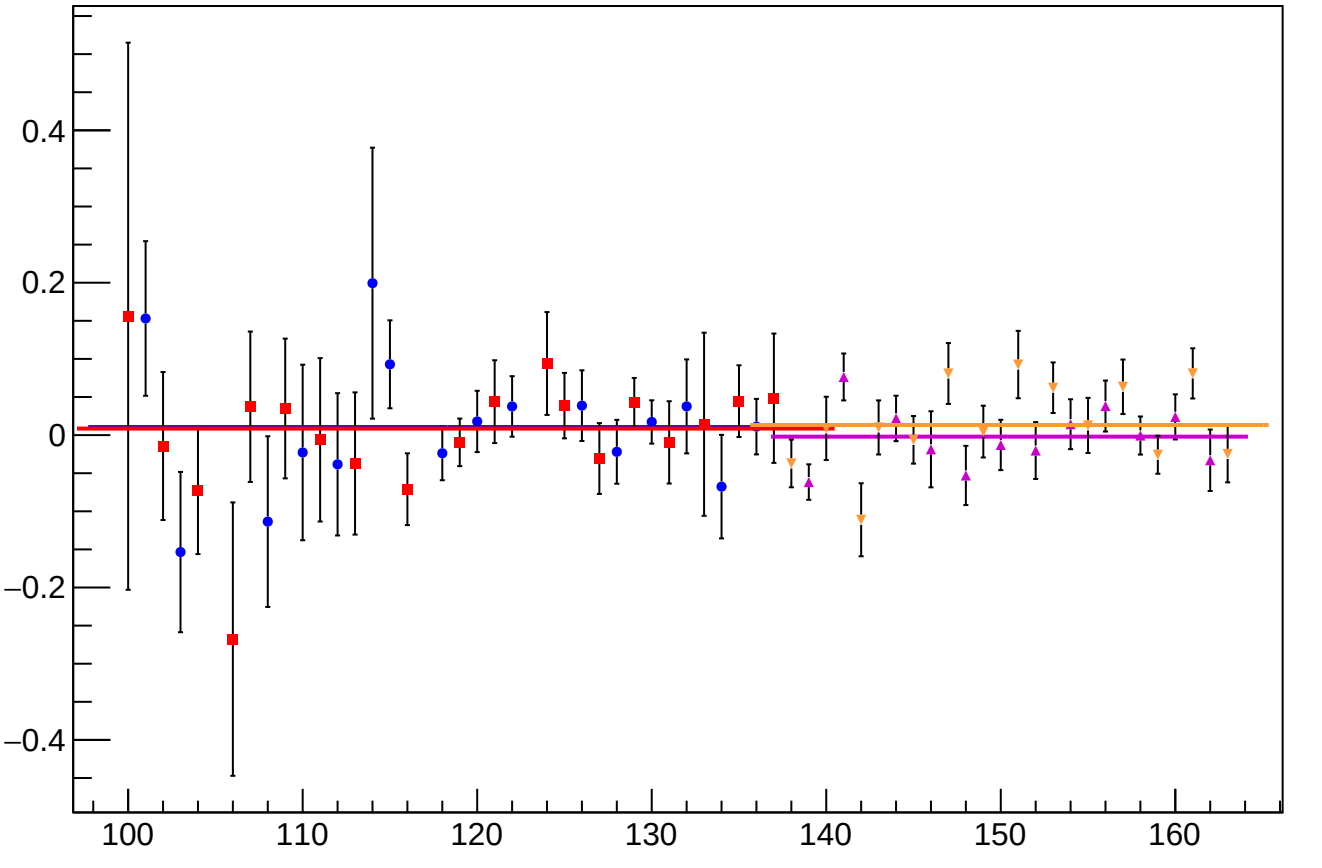
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.311+/-0.006 χ^2/NDF:682618.5/11

+ sign 29.960+/-0.005 χ^2/NDF: 2924019.8/29

All: 29.689+/-0.004 χ^2/NDF: 6352677.1/60

- sign 29.412+/-0.005 χ^2/NDF: 3423325.5/30



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

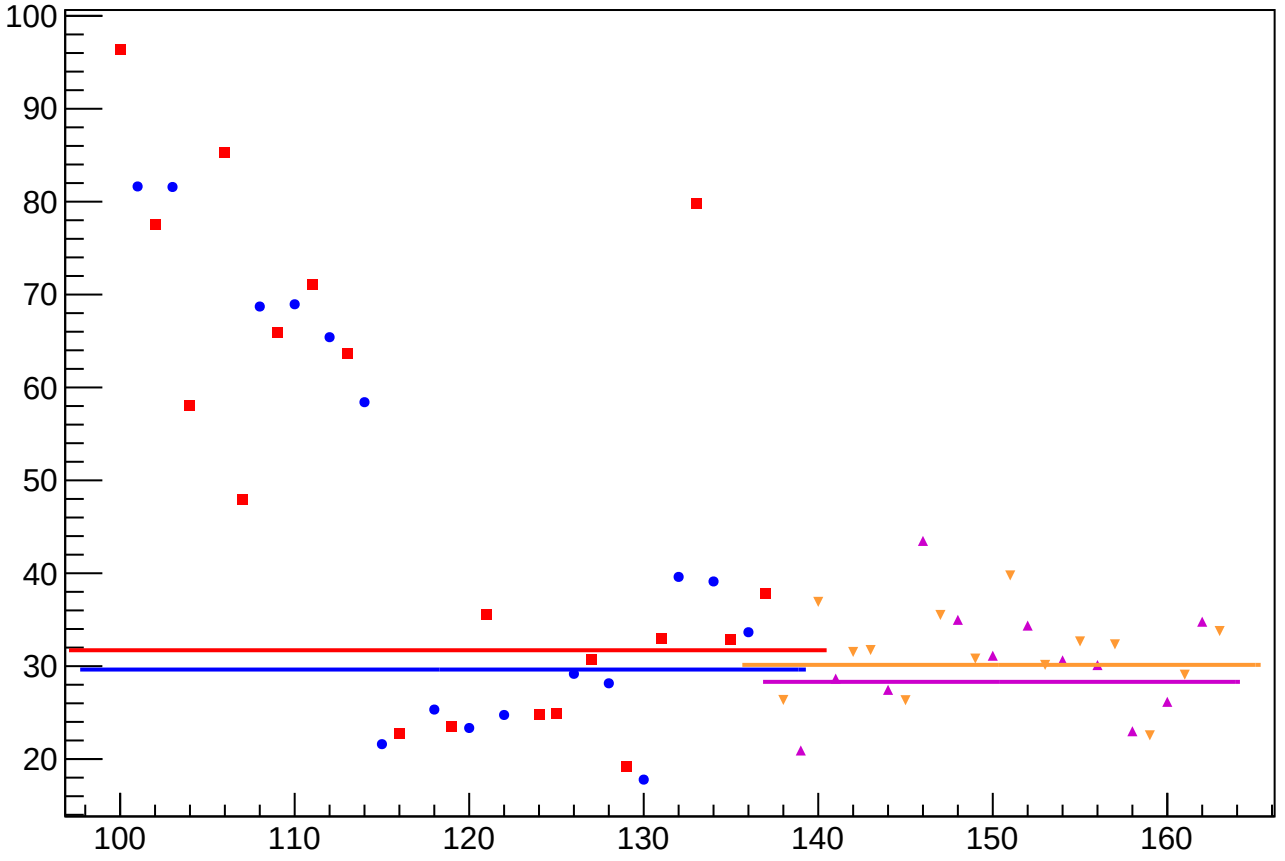
Left In: -0.002+/-0.009 χ^2/NDF:18.9/11

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 73.7/60

- sign 0.001+/-0.008 χ^2/NDF: 31.8/30

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

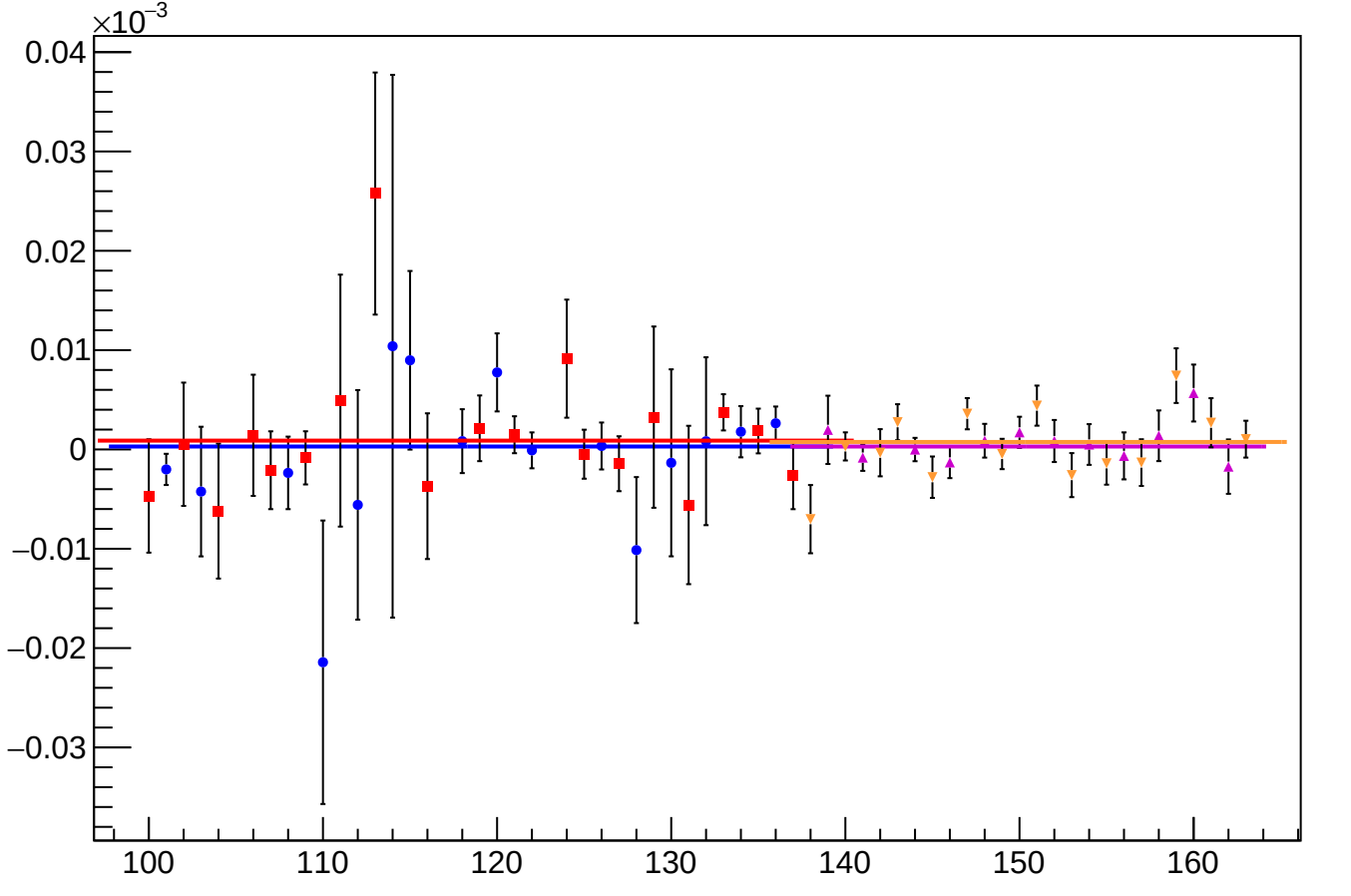
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.311+/-0.006 χ^2/NDF:682618.5/11

+ sign 29.960+/-0.005 χ^2/NDF: 2924019.8/29

All: 29.689+/-0.004 χ^2/NDF: 6352677.1/60

- sign 29.412+/-0.005 χ^2/NDF: 3423325.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

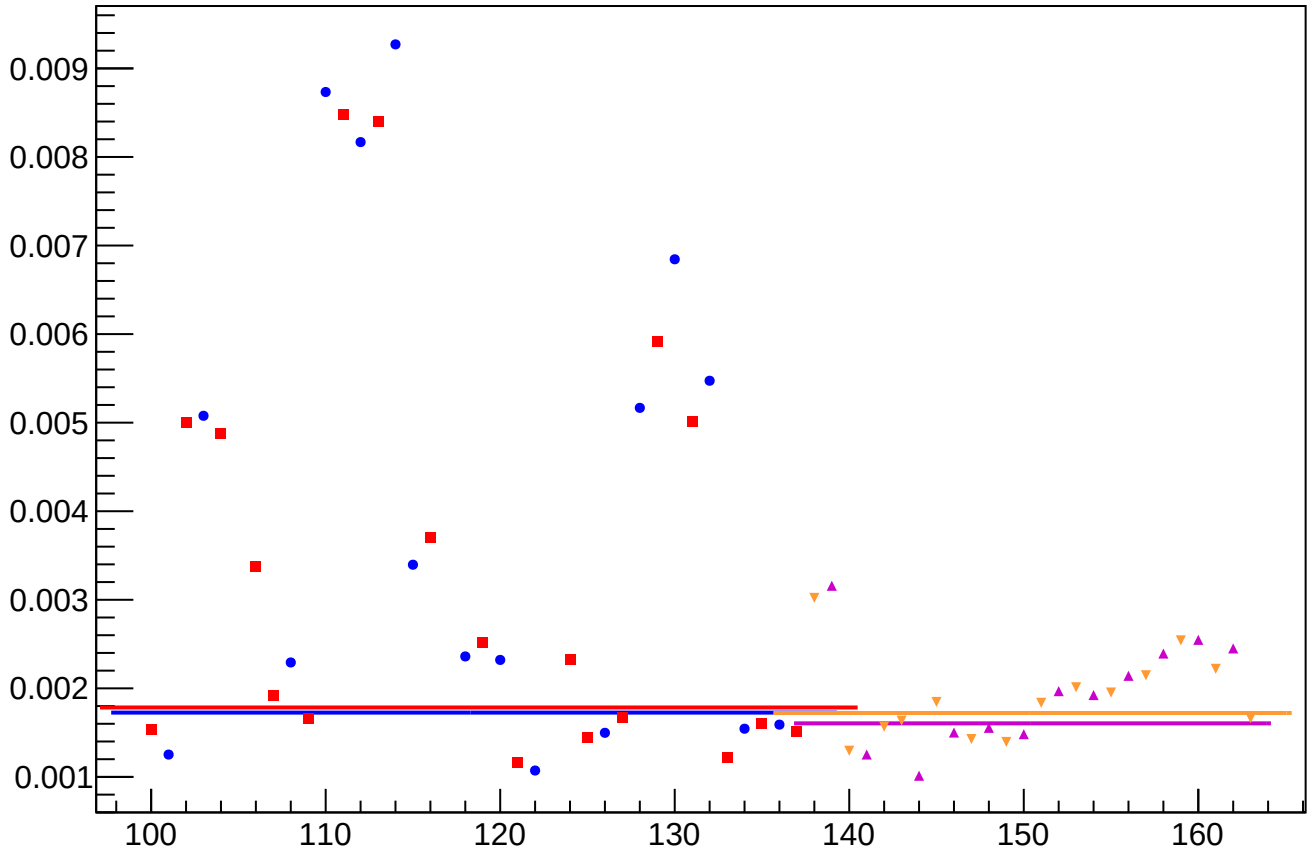
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/29

All: 0.000+/-0.000 χ^2/NDF: 65.6/60

- sign 0.000+/-0.000 χ^2/NDF: 23.2/30



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1039907.8/13

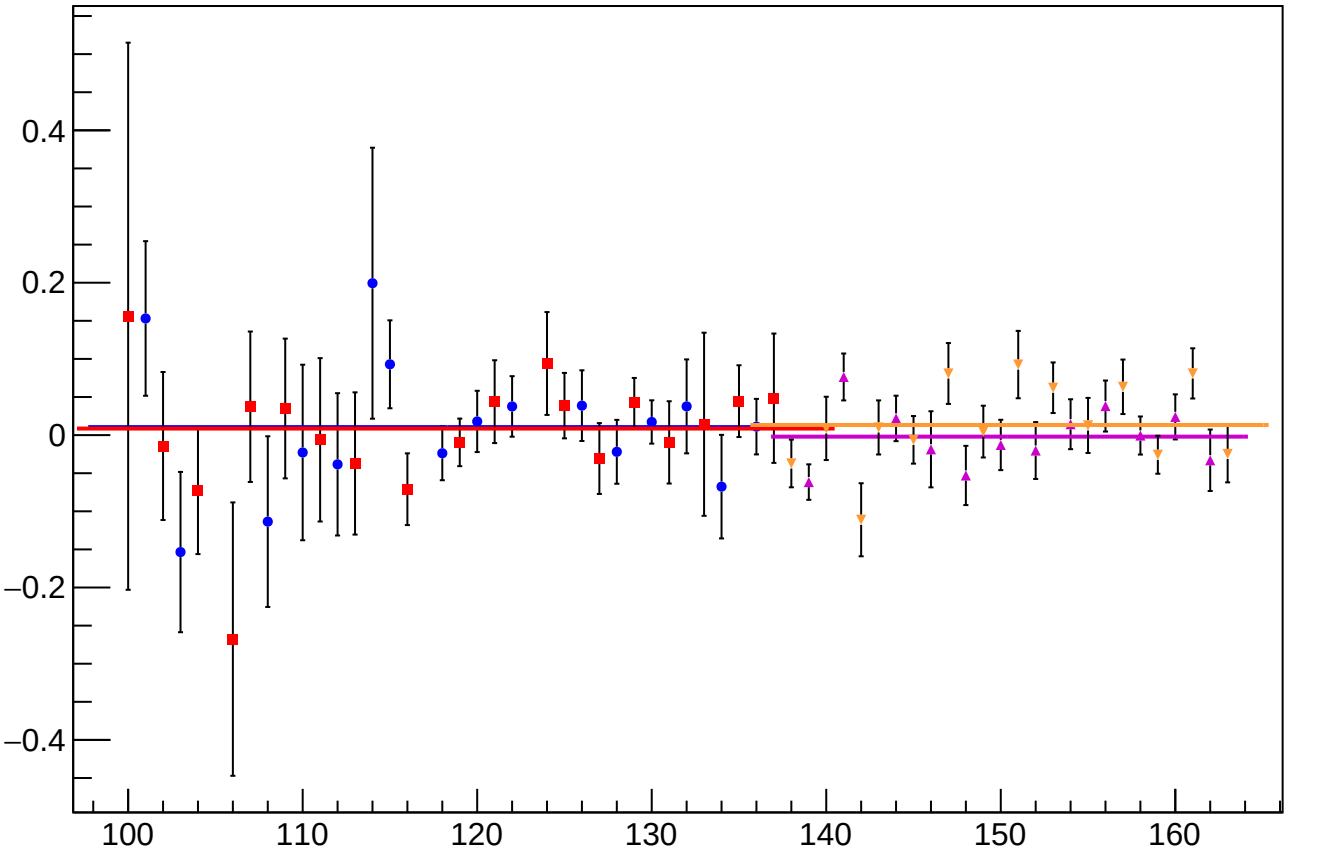
Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1883602.2/11

+ sign 0.002+/-0.000 χ^2/NDF: 4972195.3/29

All: 0.002+/-0.000 χ^2/NDF: 10667198.9/60

- sign 0.002+/-0.000 χ^2/NDF: 5675025.0/30



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

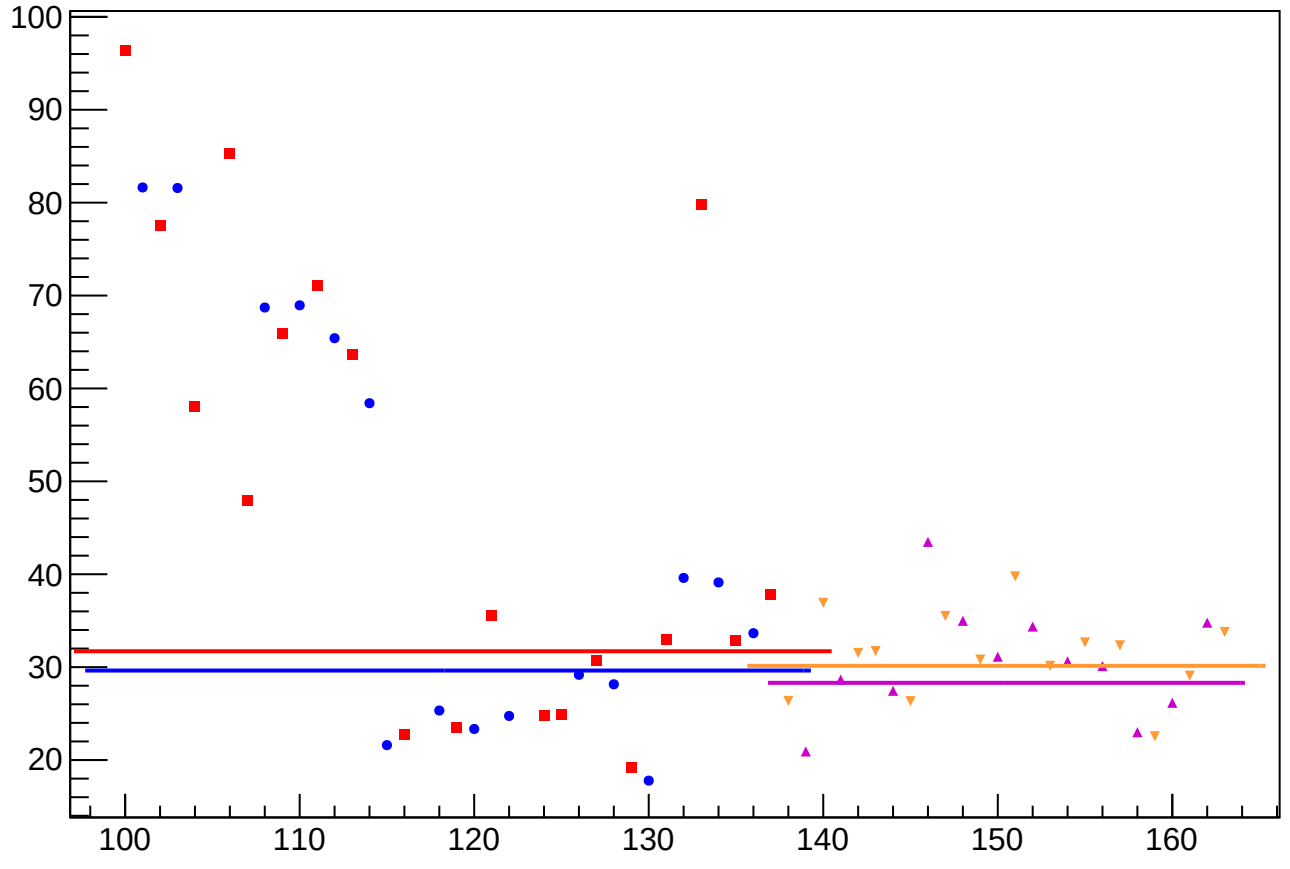
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.002+/-0.009 χ^2/NDF:18.9/11

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 73.7/60

- sign 0.001+/-0.008 χ^2/NDF: 31.8/30



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.139+/-0.007 χ^2/NDF:473494.4/13

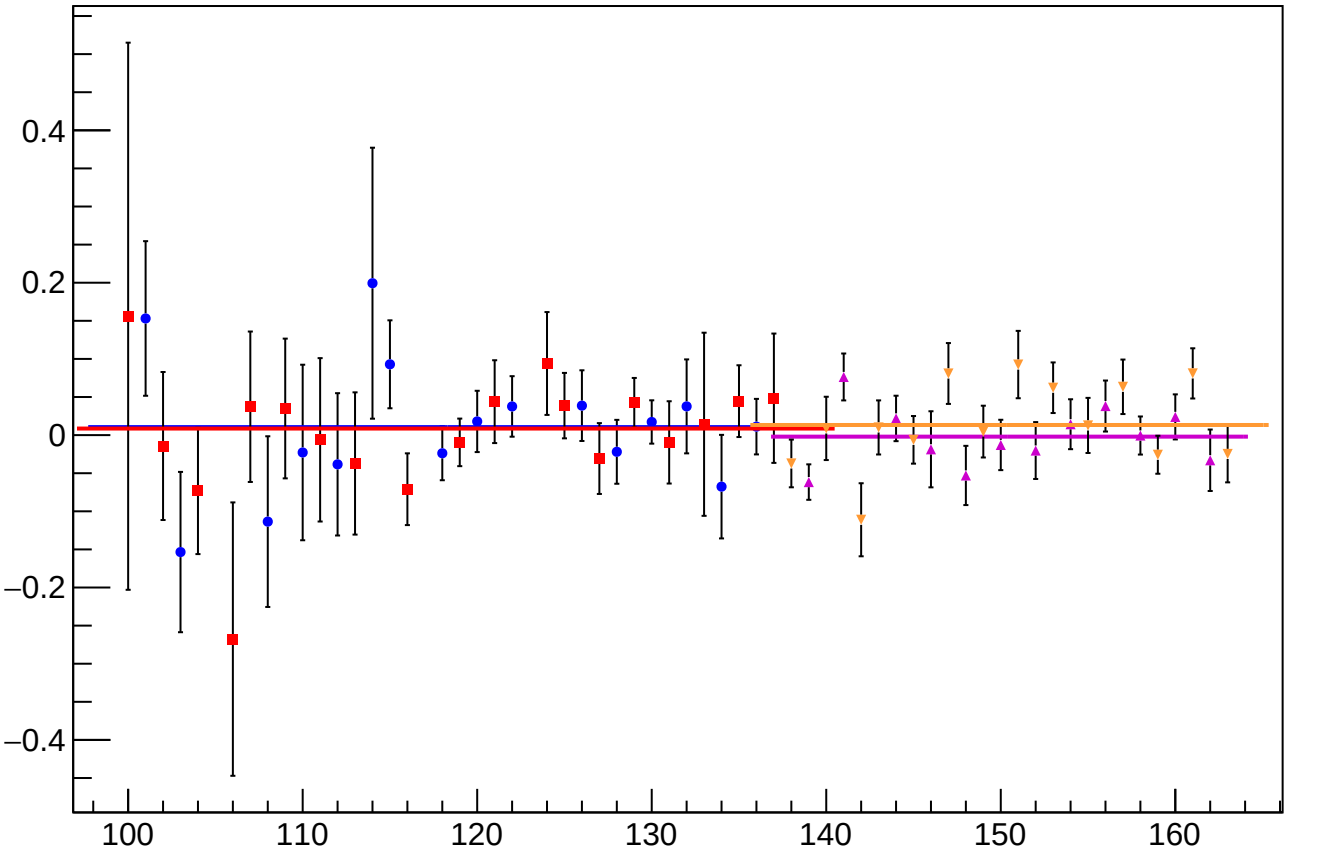
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.311+/-0.006 χ^2/NDF:682647.5/11

+ sign 29.960+/-0.005 χ^2/NDF: 2924262.2/29

All: 29.688+/-0.004 χ^2/NDF: 6353035.3/60

- sign 29.412+/-0.005 χ^2/NDF: 3423443.8/30



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

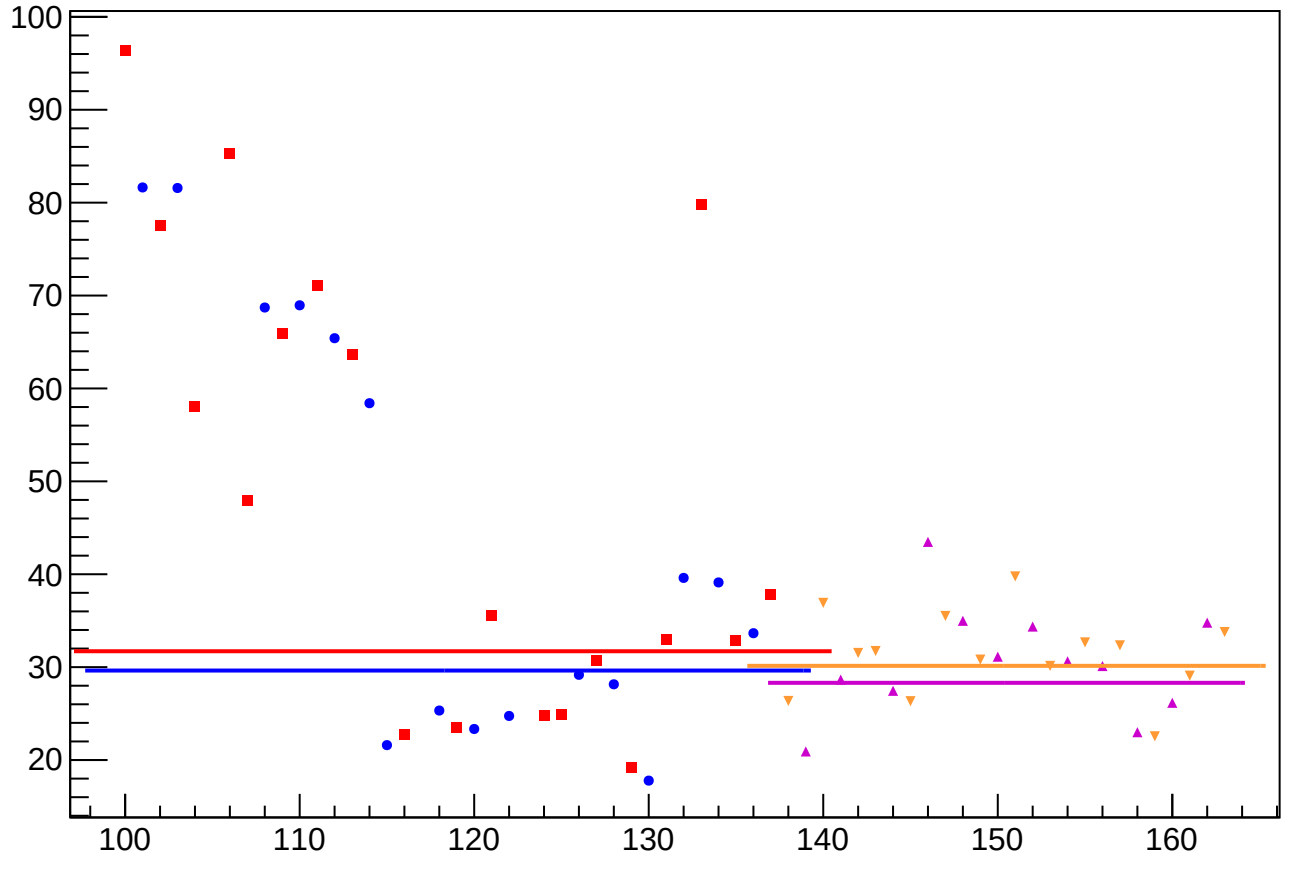
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.002+/-0.009 χ^2/NDF:18.9/11

+ sign 0.012+/-0.007 χ^2/NDF: 40.9/29

All: 0.007+/-0.005 χ^2/NDF: 73.7/60

- sign 0.001+/-0.008 χ^2/NDF: 31.8/30



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.139+/-0.007 χ^2/NDF:473494.4/13

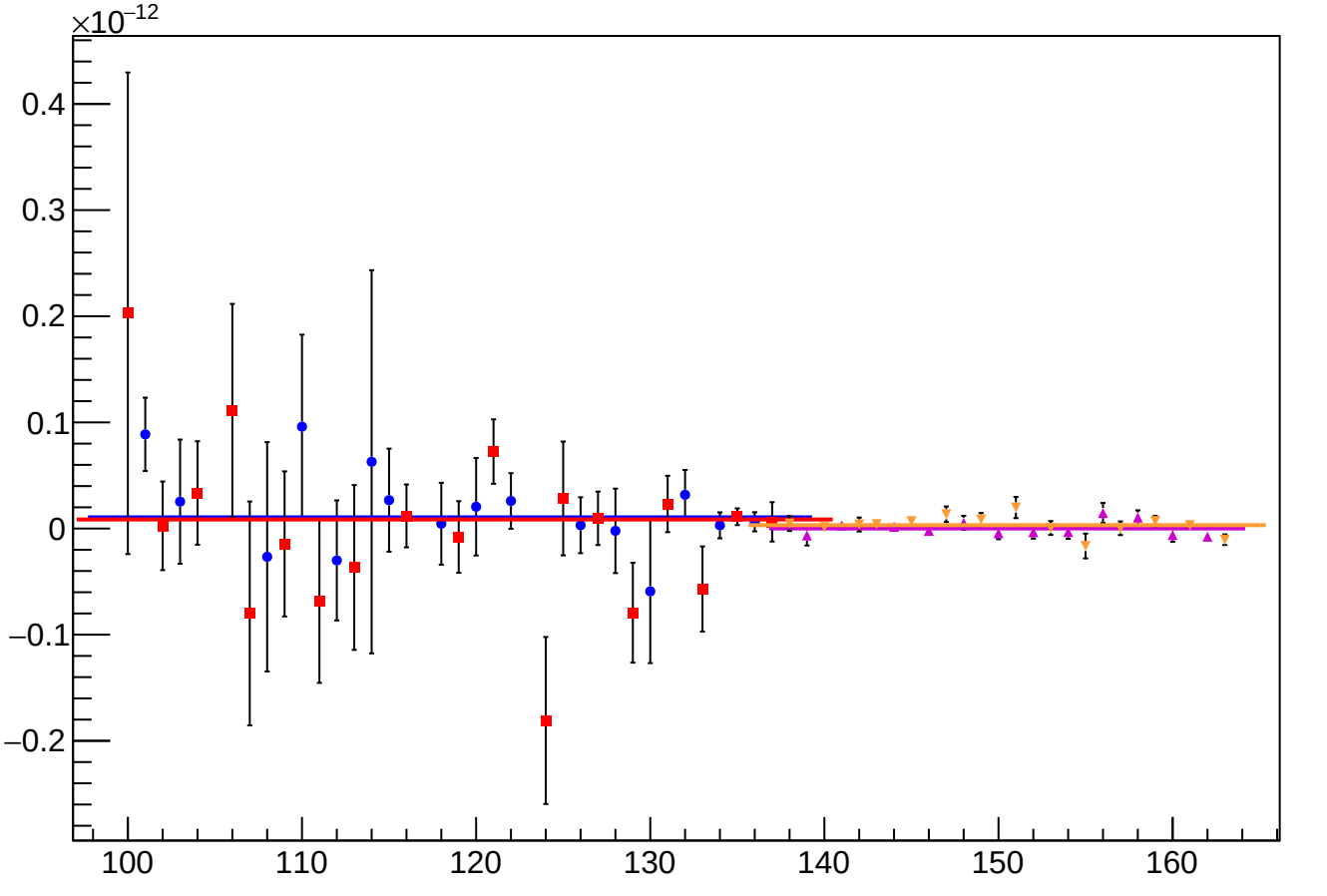
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.311+/-0.006 χ^2/NDF:682647.5/11

+ sign 29.960+/-0.005 χ^2/NDF: 2924262.2/29

All: 29.688+/-0.004 χ^2/NDF: 6353035.3/60

- sign 29.412+/-0.005 χ^2/NDF: 3423443.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/13

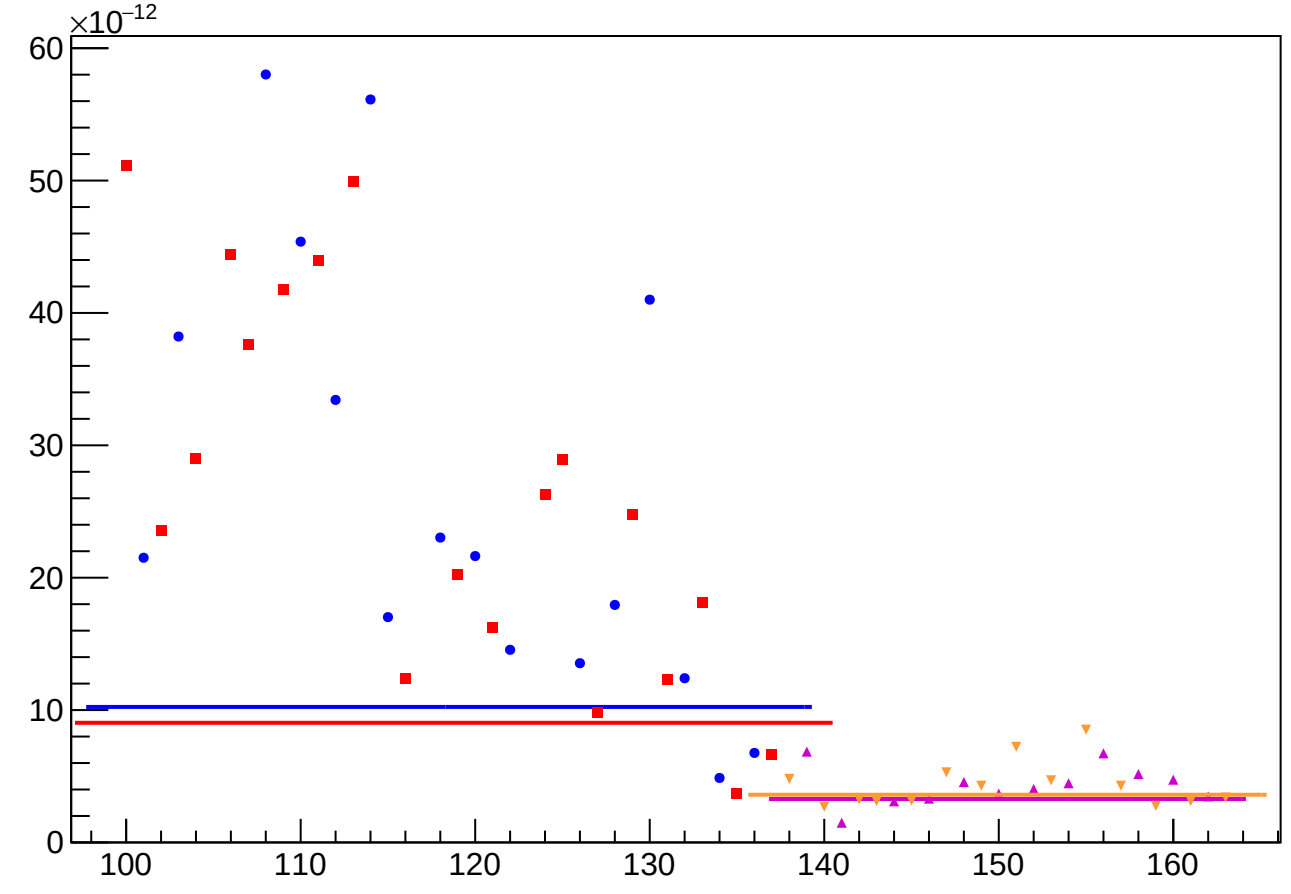
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.1/60

- sign 0.000+/-0.000 χ^2/NDF: 35.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137939.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

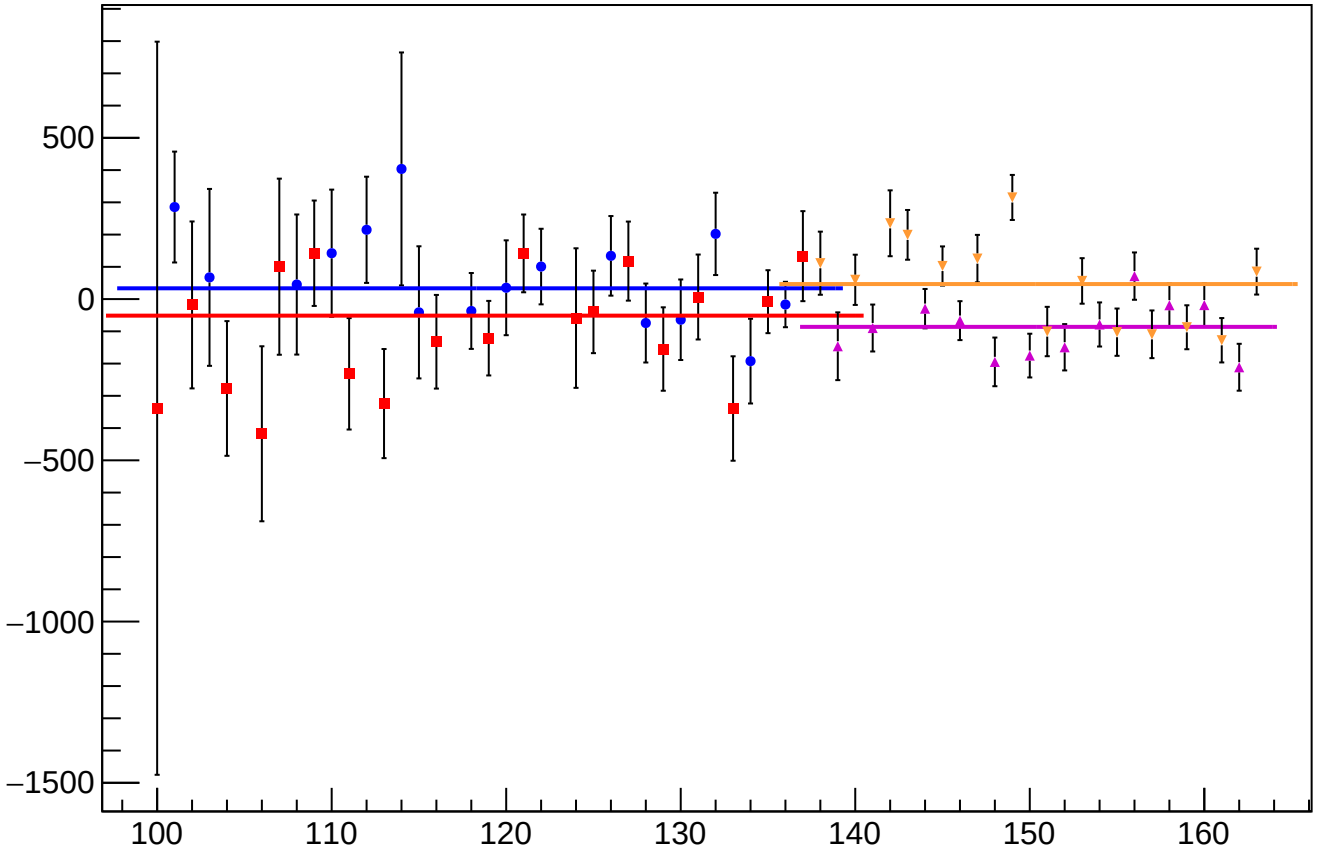
Left In: 0.000+/-0.000 χ^2/NDF:1889298.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 6957298.7/29

All: 0.000+/-0.000 χ^2/NDF: 15207482.3/60

- sign 0.000+/-0.000 χ^2/NDF: 8183608.1/30

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.604+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

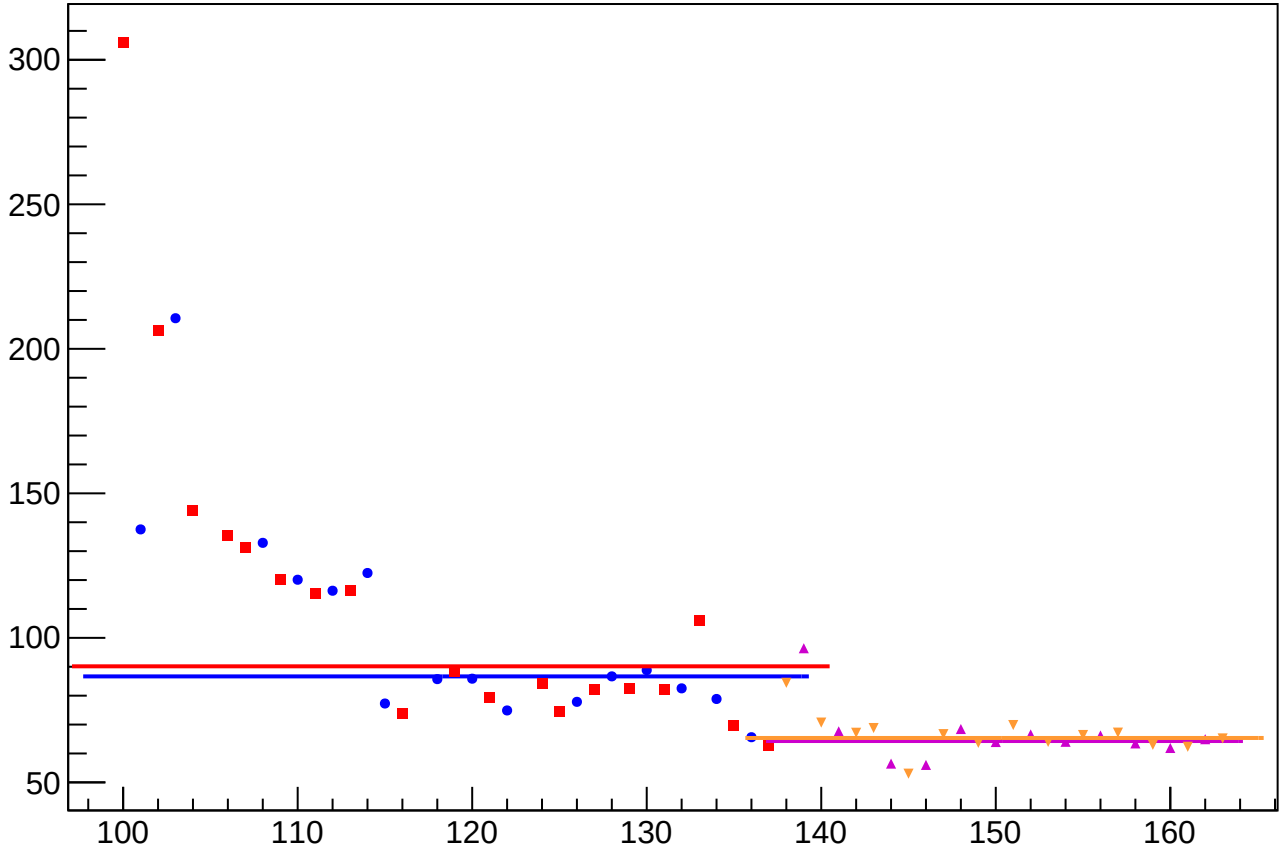
Left In: -86.135+/-20.274 χ^2/NDF:15.4/11

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -15.475+/-12.230 χ^2/NDF: 120.4/60

- sign -77.336+/-17.524 χ^2/NDF: 35.7/30

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

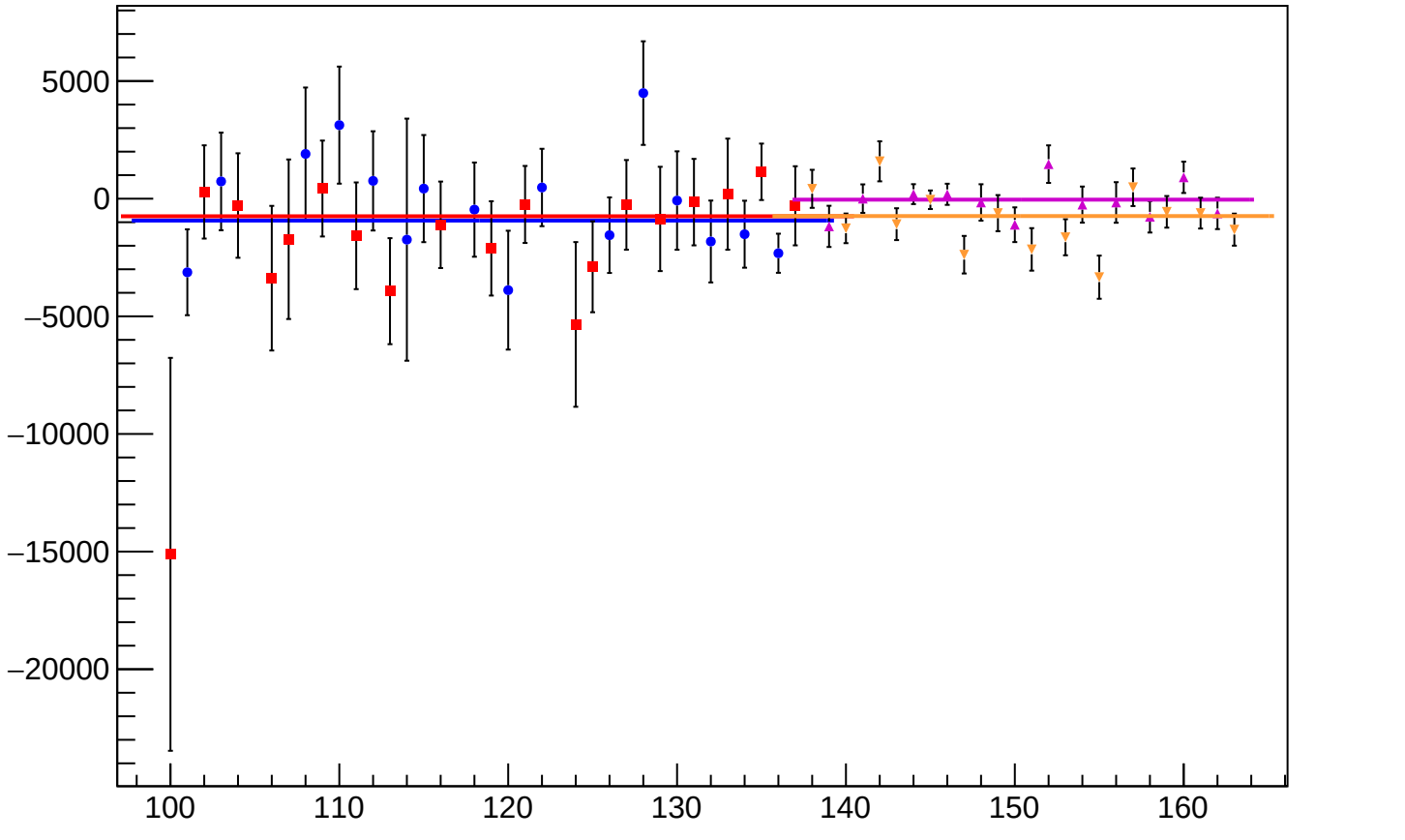
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

+ sign 70.773+/-0.012 χ^2/NDF: 1818959.0/29

All: 70.807+/-0.009 χ^2/NDF: 4064469.5/60

- sign 70.842+/-0.012 χ^2/NDF: 2245494.7/30



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -738.340+/-183.547 χ^2/NDF:32.9/13

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

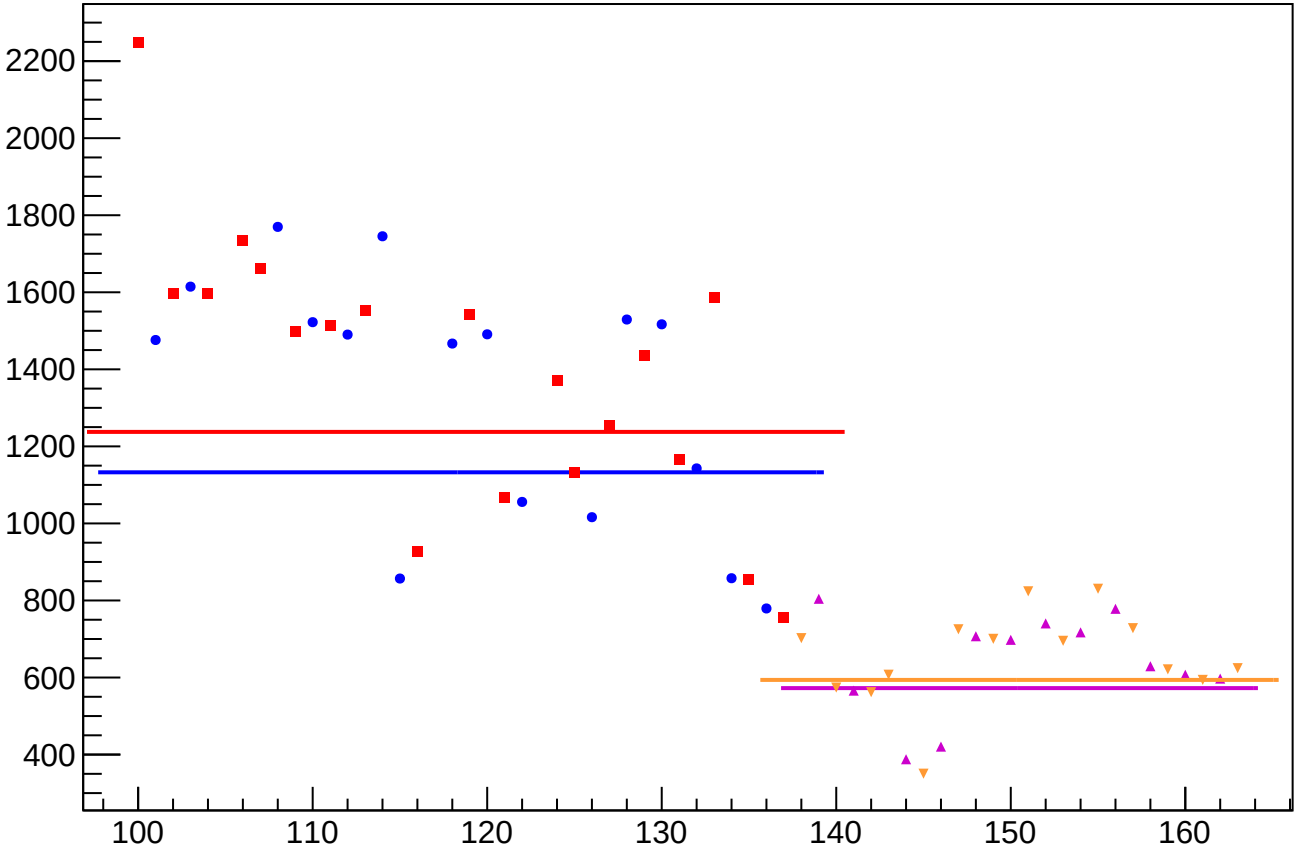
Left In: -41.162+/-184.332 χ^2/NDF:12.0/11

+ sign -766.624+/-169.450 χ^2/NDF: 51.5/29

All: -455.119+/-120.539 χ^2/NDF: 85.4/60

- sign -136.017+/-171.503 χ^2/NDF: 27.0/30

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256245.3/13

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

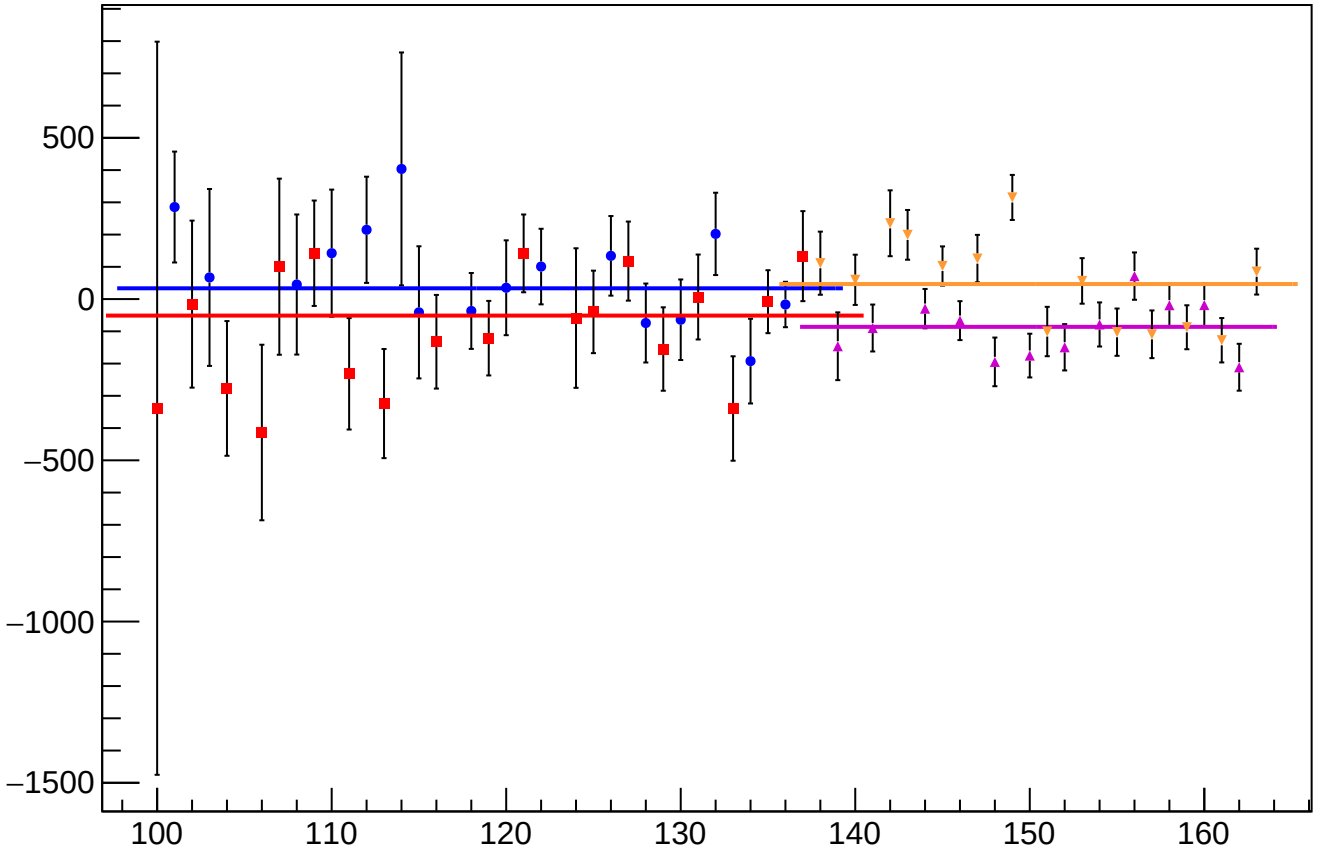
Left In: 572.511+/-0.130 χ^2/NDF:1165425.5/11

+ sign 673.400+/-0.120 χ^2/NDF: 4926916.2/29

All: 667.702+/-0.085 χ^2/NDF: 10490153.9/60

- sign 661.864+/-0.121 χ^2/NDF: 5558658.9/30

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

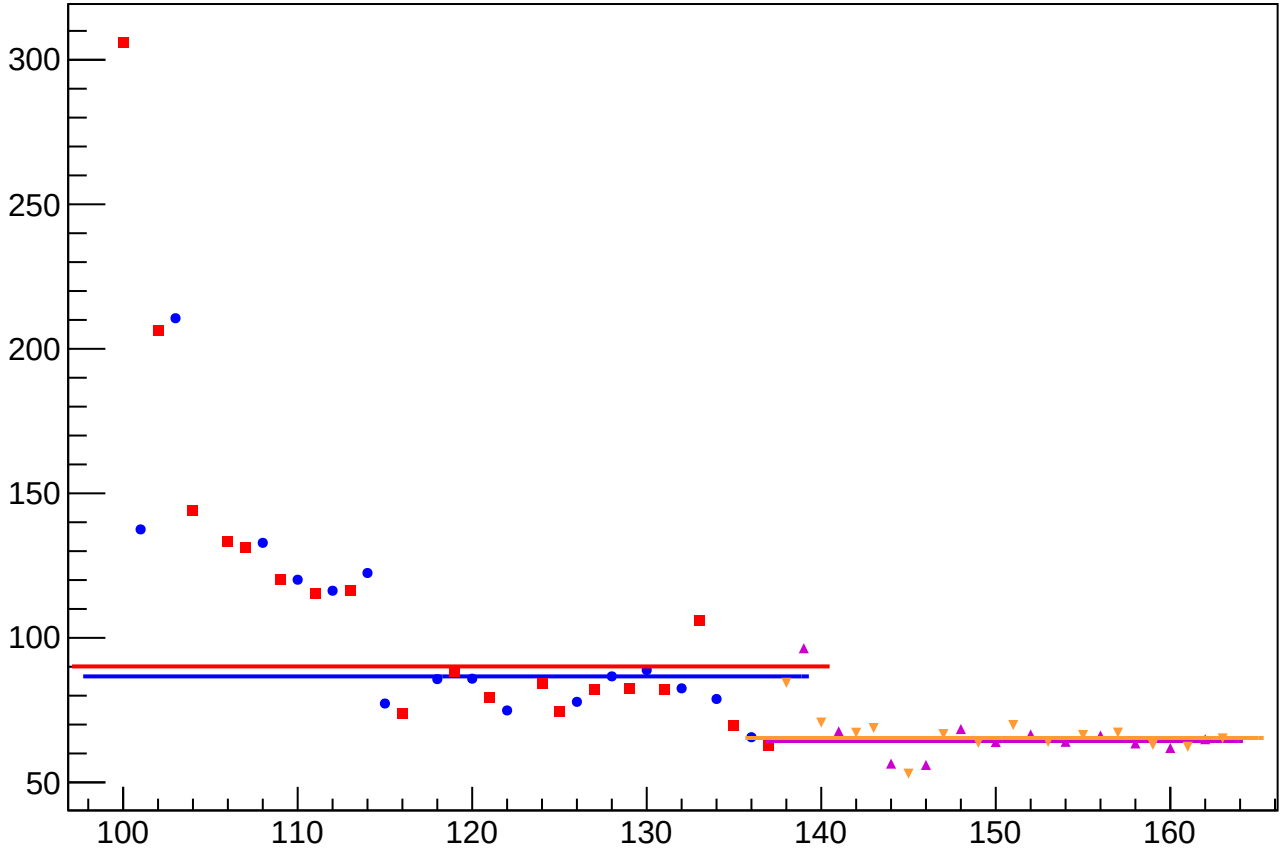
Left In: -86.134+/-20.274 χ^2/NDF:15.4/11

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -15.456+/-12.230 χ^2/NDF: 120.3/60

- sign -77.299+/-17.525 χ^2/NDF: 35.7/30

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

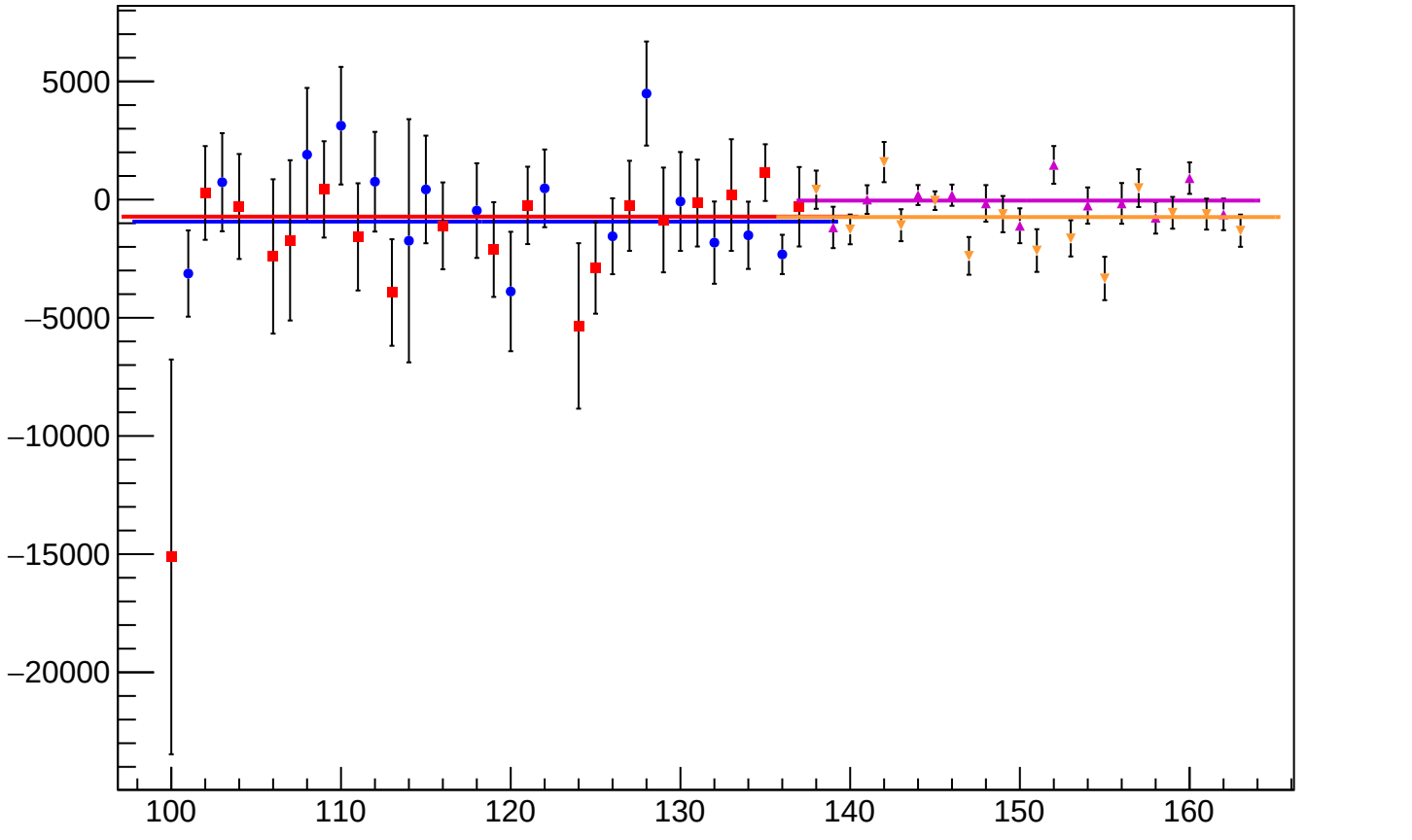
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

+ sign 70.773+/-0.012 χ^2/NDF: 1818961.5/29

All: 70.802+/-0.009 χ^2/NDF: 4057342.6/60

- sign 70.832+/-0.012 χ^2/NDF: 2238369.6/30



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

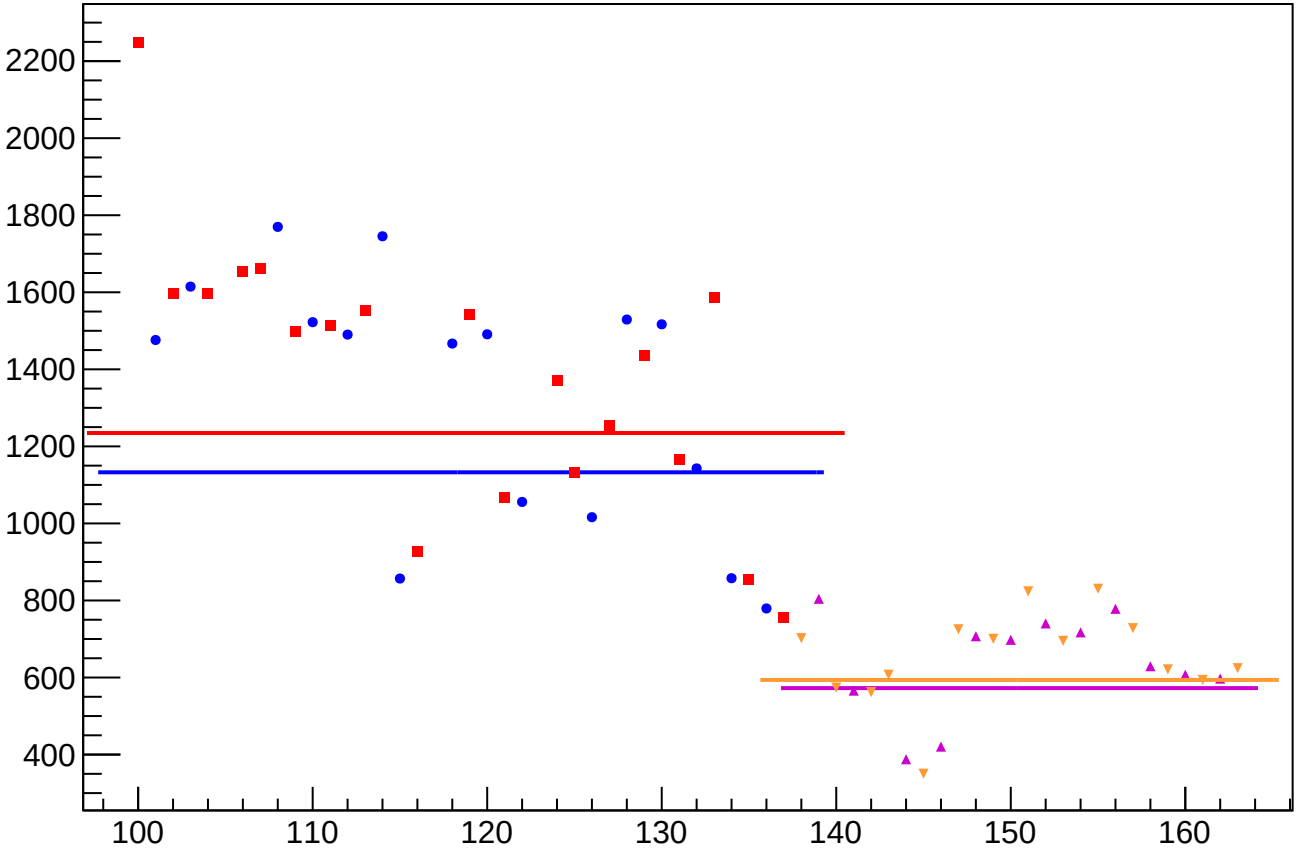
Left In: -41.162+/-184.332 χ^2/NDF:12.0/11

+ sign -766.615+/-169.450 χ^2/NDF: 51.5/29

All: -453.301+/-120.549 χ^2/NDF: 84.8/60

- sign -132.229+/-171.535 χ^2/NDF: 26.3/30

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

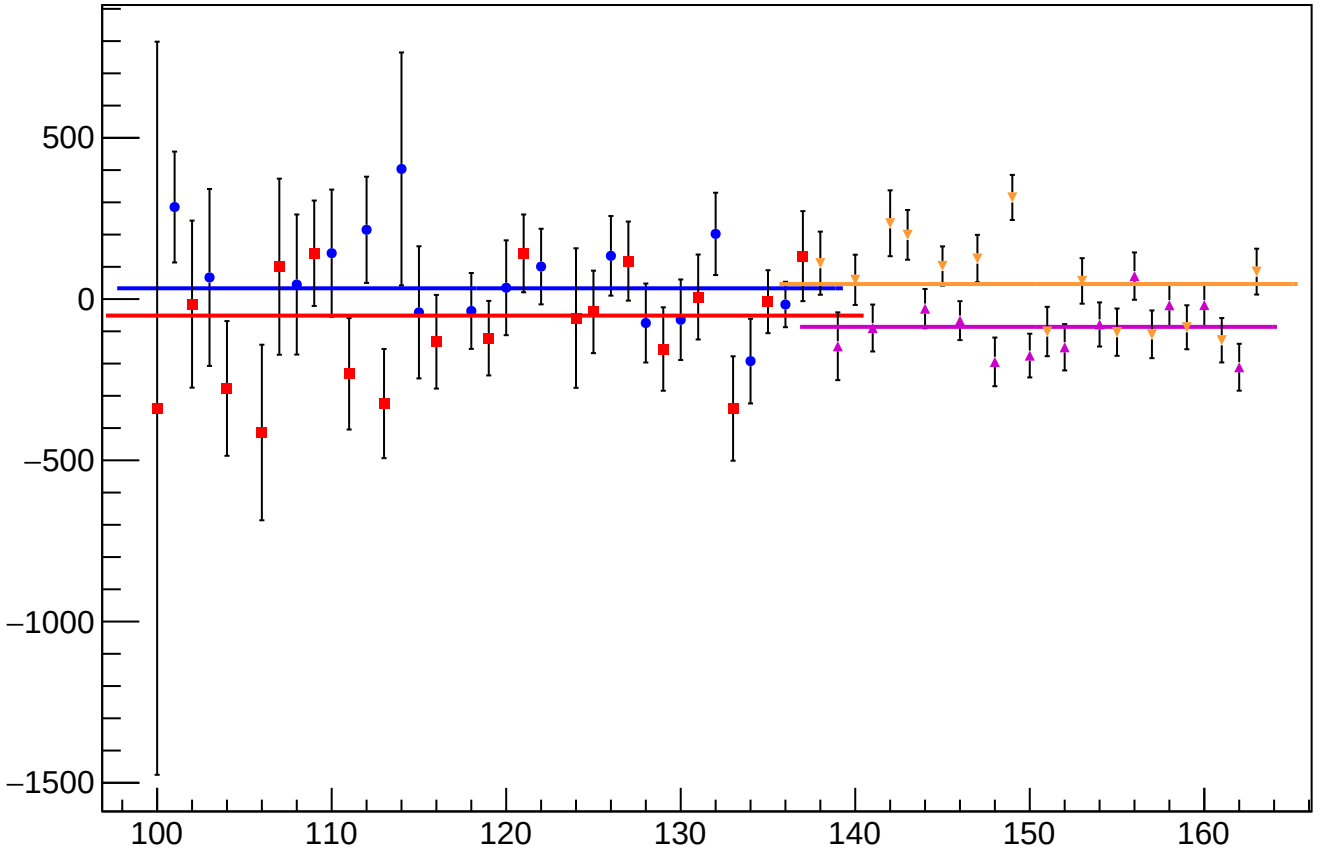
Left In: 572.511+/-0.130 χ^2/NDF:1165426.0/11

+ sign 673.400+/-0.120 χ^2/NDF: 4926958.8/29

All: 667.408+/-0.085 χ^2/NDF: 10433220.2/60

- sign 661.267+/-0.121 χ^2/NDF: 5501198.0/30

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

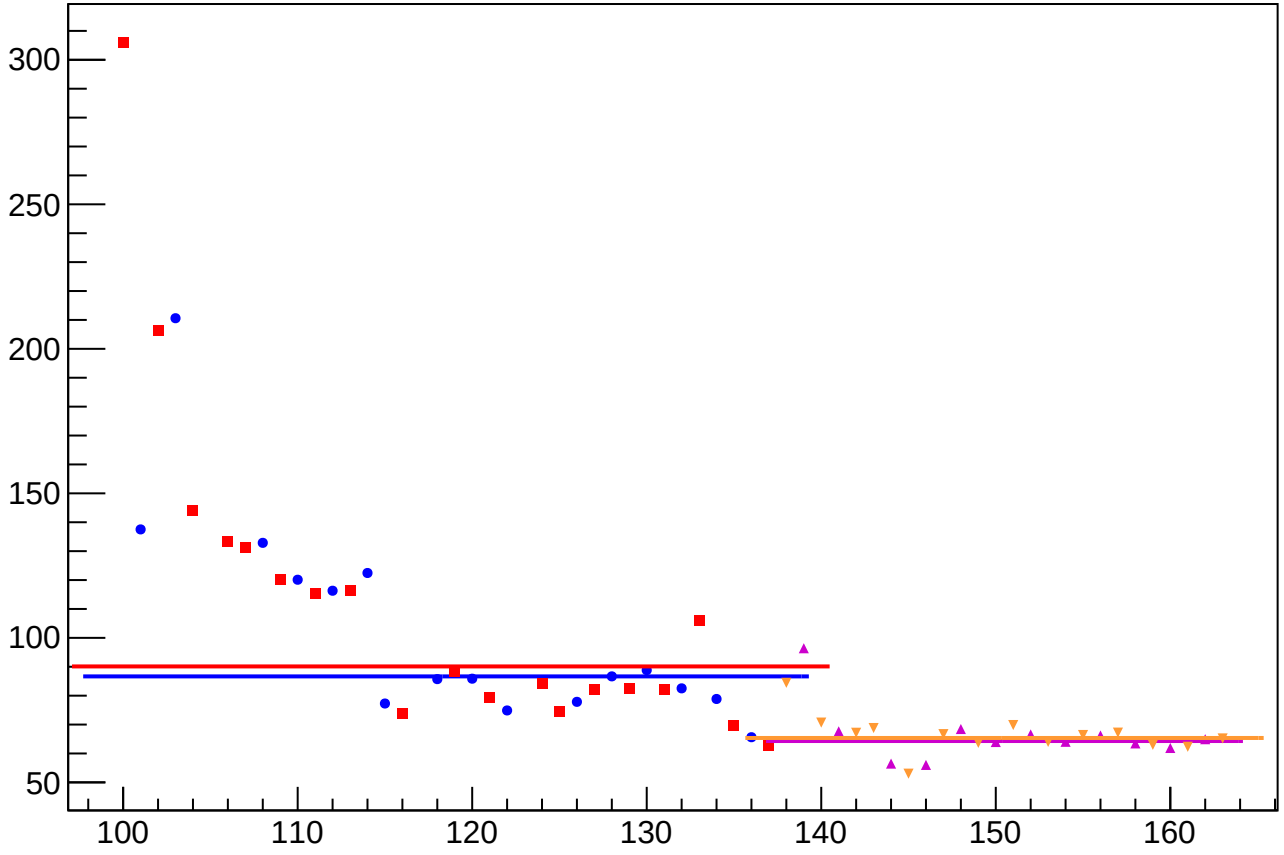
Left In: -86.134+/-20.274 χ^2/NDF:15.4/11

+ sign 43.258+/-17.075 χ^2/NDF: 60.4/29

All: -15.456+/-12.230 χ^2/NDF: 120.3/60

- sign -77.299+/-17.525 χ^2/NDF: 35.7/30

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

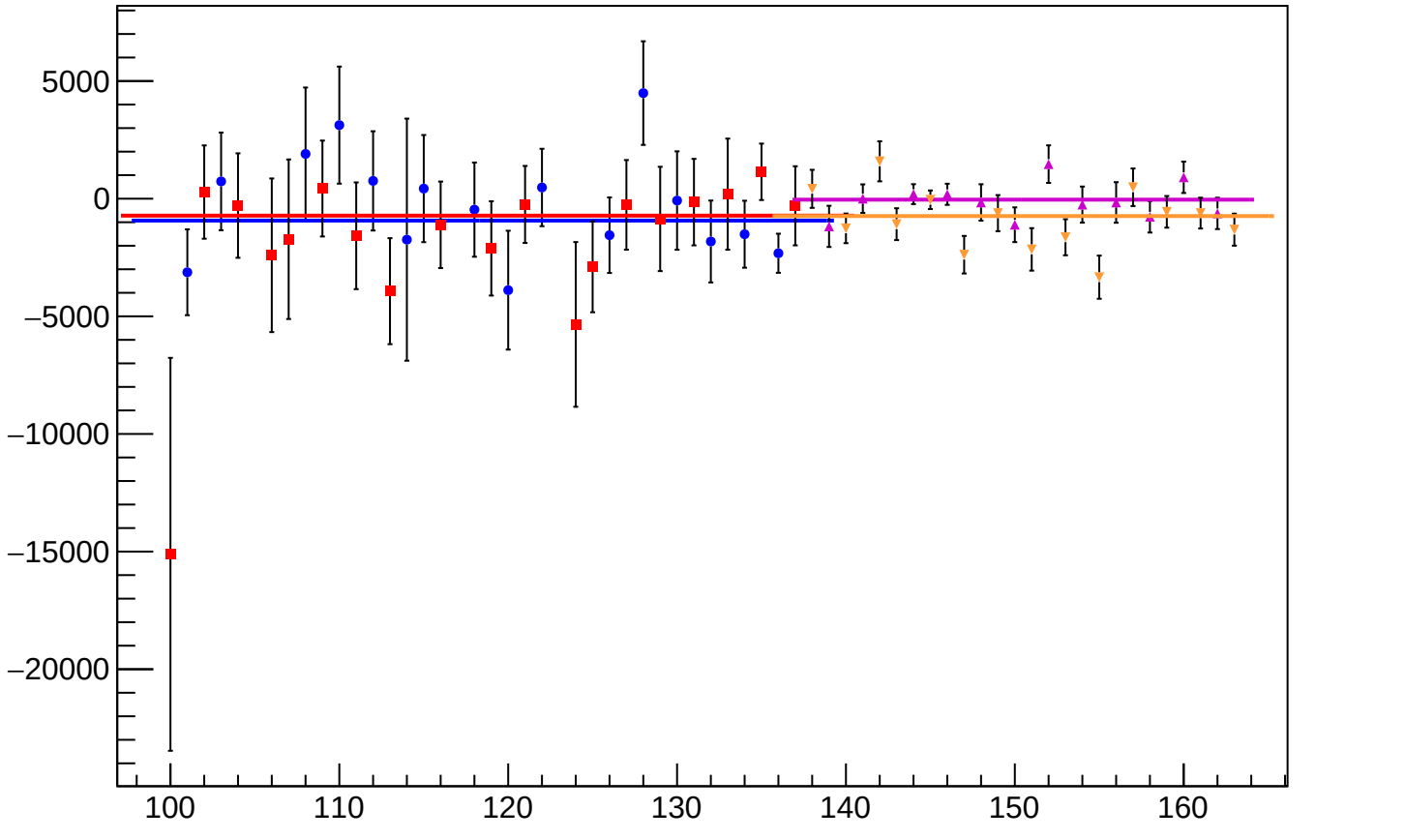
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

+ sign 70.773+/-0.012 χ^2/NDF: 1818961.5/29

All: 70.802+/-0.009 χ^2/NDF: 4057342.6/60

- sign 70.832+/-0.012 χ^2/NDF: 2238369.6/30



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -738.335+/-183.547 χ^2/NDF:32.9/13

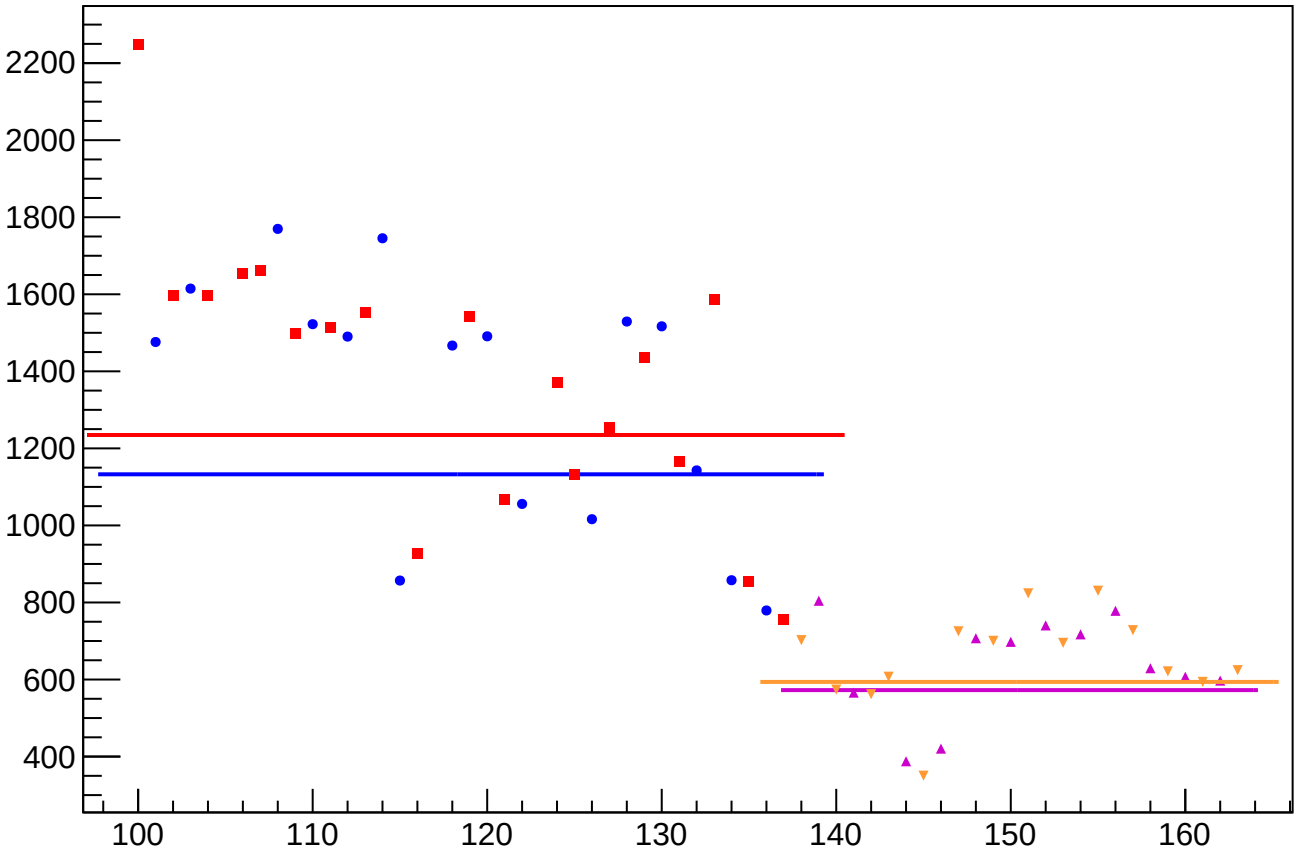
Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -41.162+/-184.332 χ^2/NDF:12.0/11

+ sign -766.615+/-169.450 χ^2/NDF: 51.5/29

All: -453.301+/-120.549 χ^2/NDF: 84.8/60

- sign -132.229+/-171.535 χ^2/NDF: 26.3/30



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

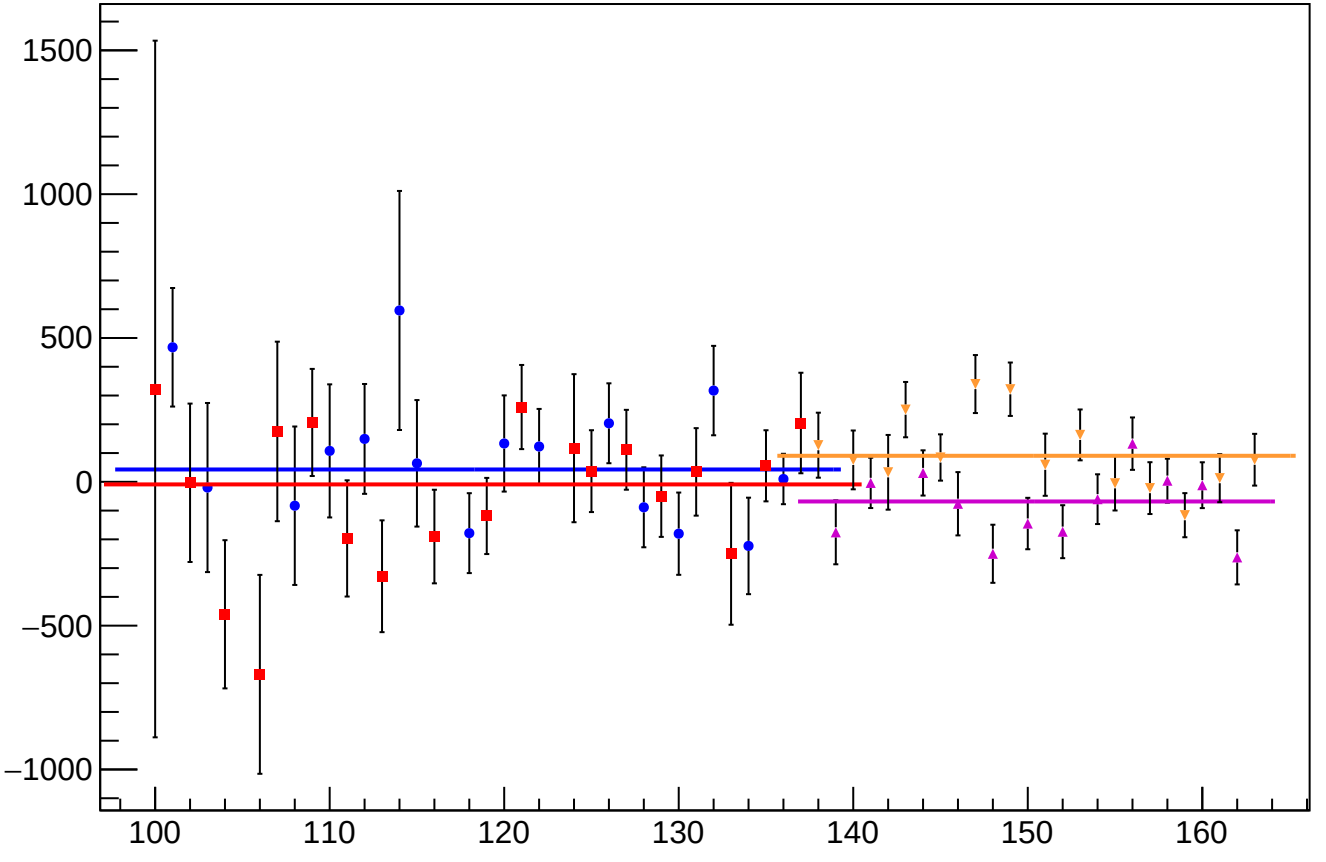
Left In: 572.511+/-0.130 χ^2/NDF:1165426.0/11

+ sign 673.400+/-0.120 χ^2/NDF: 4926958.8/29

All: 667.408+/-0.085 χ^2/NDF: 10433220.2/60

- sign 661.267+/-0.121 χ^2/NDF: 5501198.0/30

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.514+/-25.031 χ^2/NDF:26.9/13

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

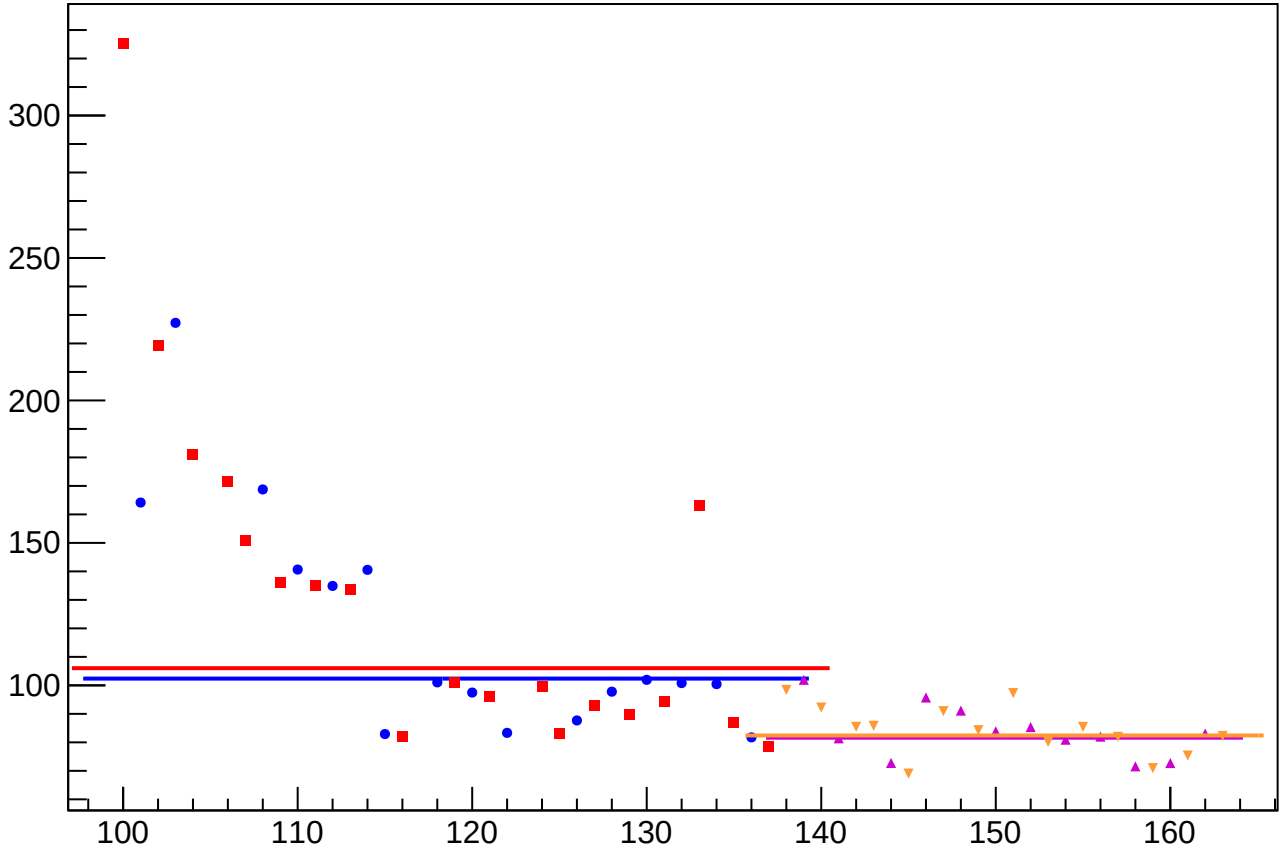
Left In: -68.305+/-25.874 χ^2/NDF:18.9/11

+ sign 77.094+/-21.211 χ^2/NDF: 48.3/29

All: 14.849+/-15.233 χ^2/NDF: 107.8/60

- sign -51.446+/-21.890 χ^2/NDF: 41.7/30

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 82.420+/-0.018 χ^2/NDF:232814.4/13

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

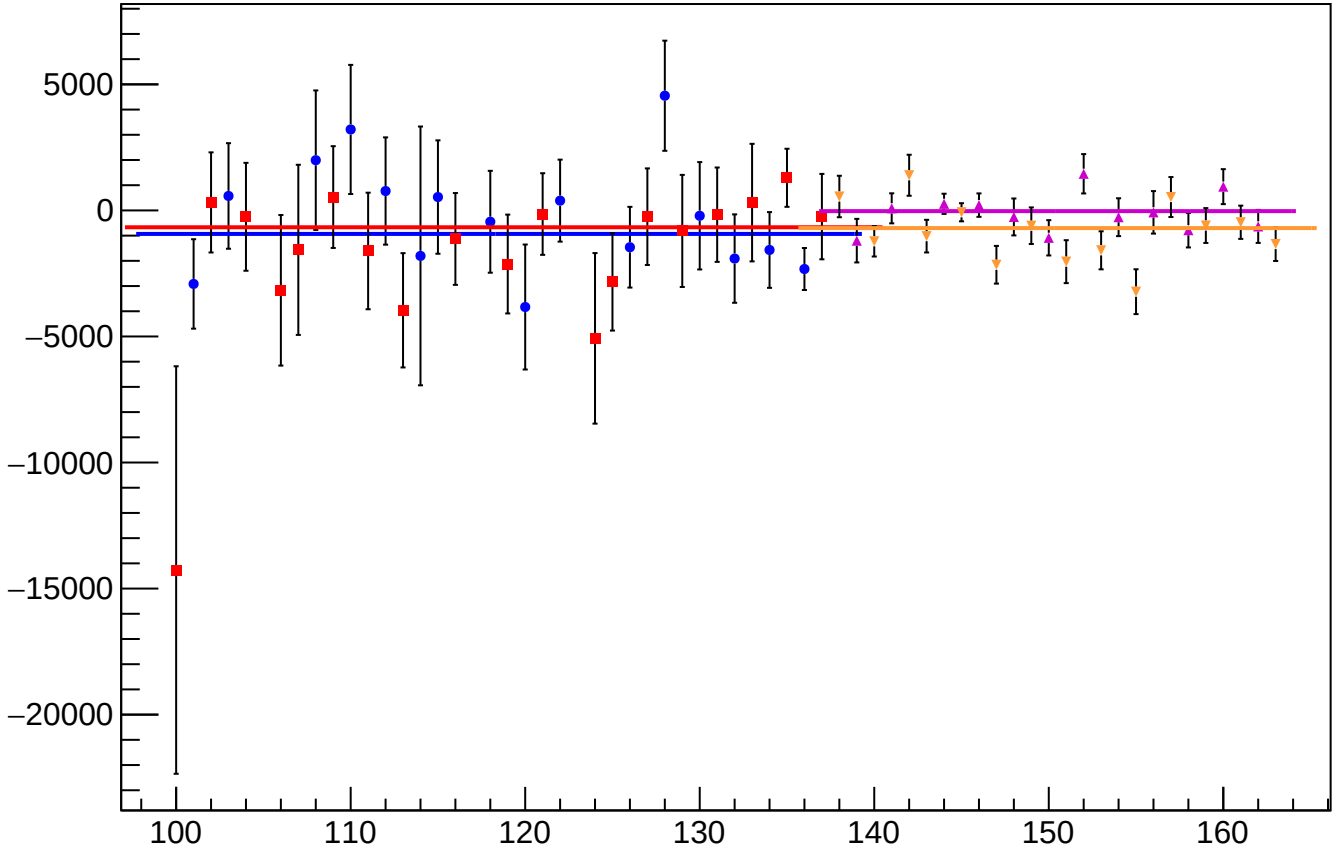
Left In: 81.632+/-0.018 χ^2/NDF:207704.6/11

\+ sign 88.047+/-0.015 χ^2/NDF: 1573603.7/29

All: 88.299+/-0.011 χ^2/NDF: 3478727.1/60

\- sign 88.568+/-0.015 χ^2/NDF: 1904539.8/30

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.916+/-176.328 χ^2/NDF:32.1/13

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

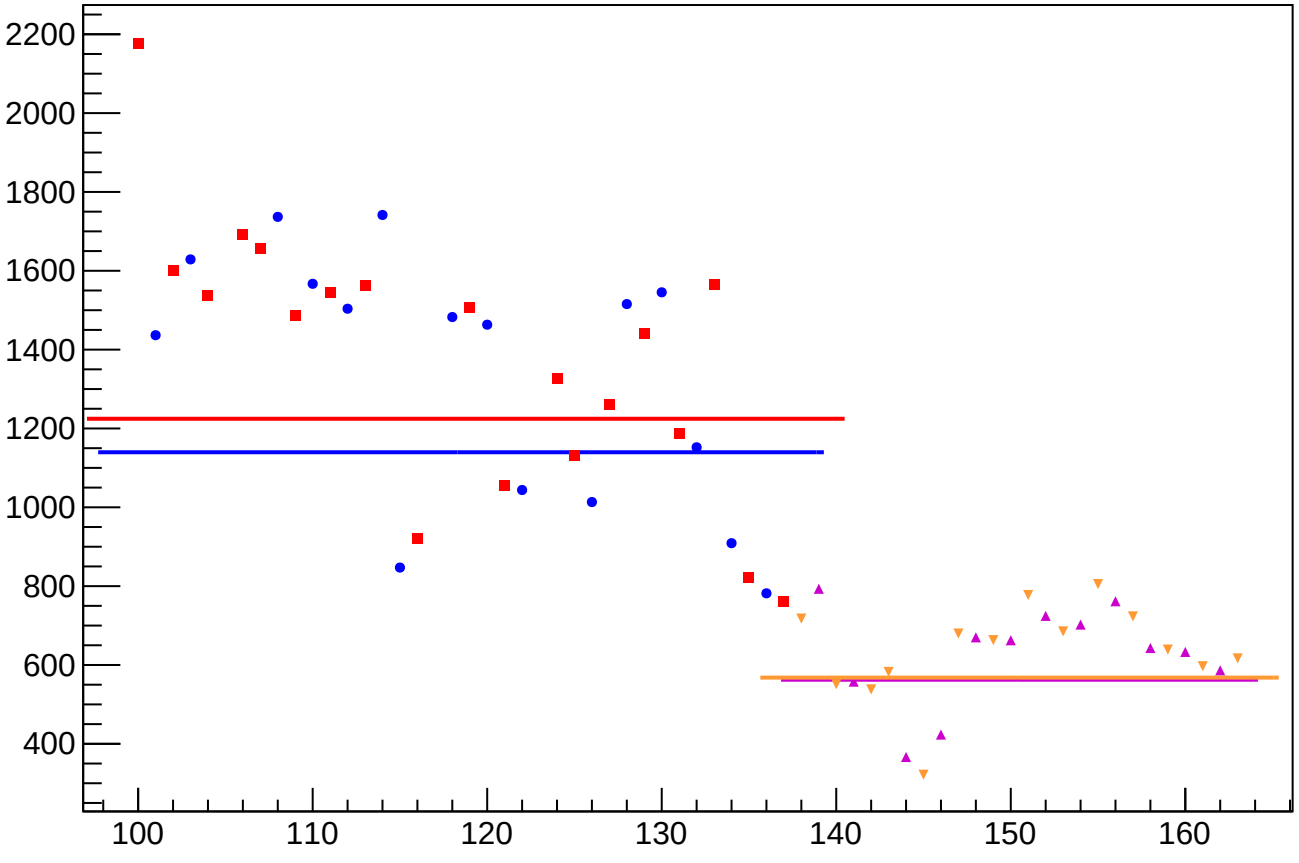
Left In: -28.047+/-181.658 χ^2/NDF:12.8/11

+ sign -732.606+/-163.814 χ^2/NDF: 50.8/29

All: -432.876+/-117.664 χ^2/NDF: 85.7/60

- sign -113.421+/-169.118 χ^2/NDF: 27.9/30

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 567.999+/-0.125 χ^2/NDF:1515298.6/13

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

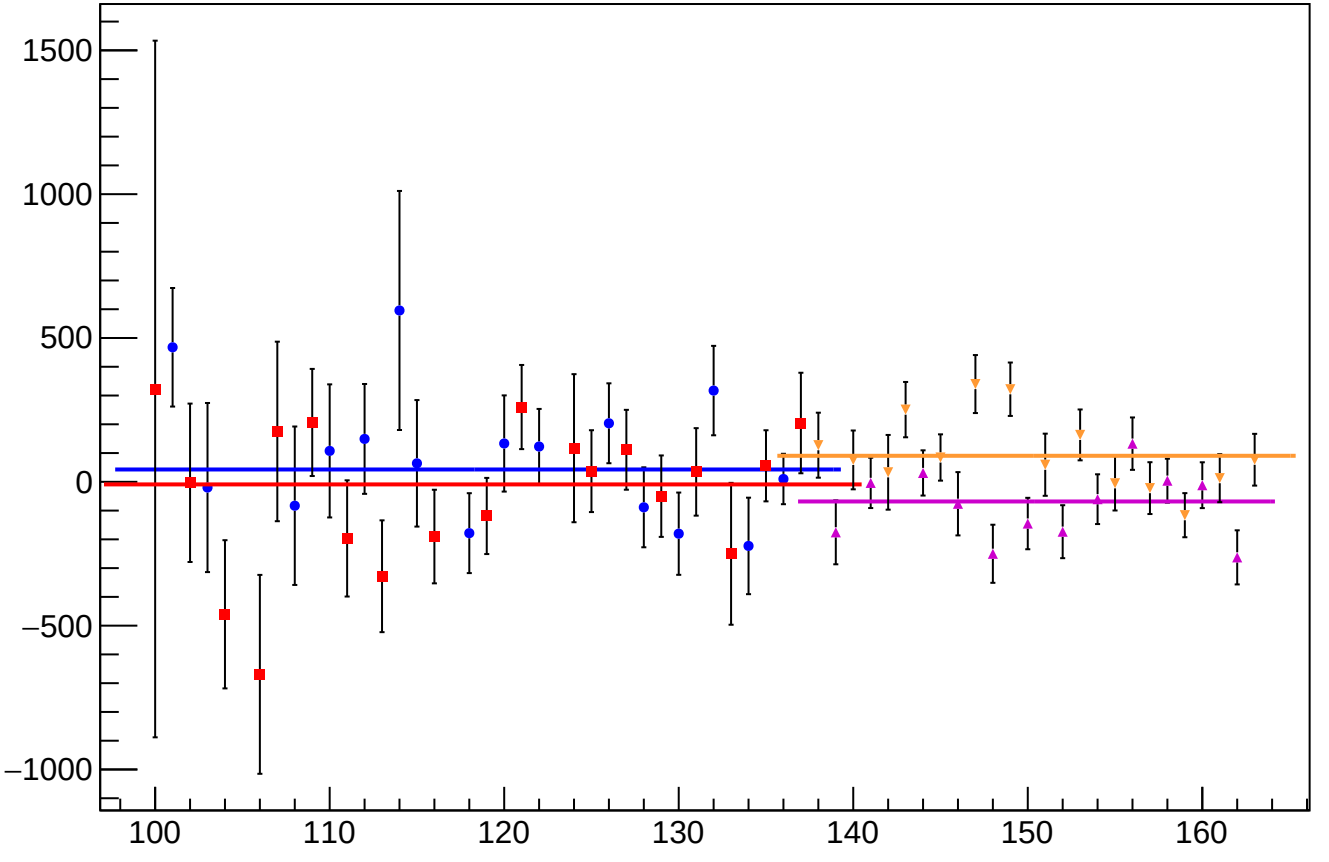
Left In: 562.609+/-0.128 χ^2/NDF:1204250.3/11

+ sign 646.264+/-0.116 χ^2/NDF: 5486724.9/29

All: 648.487+/-0.083 χ^2/NDF: 11154844.9/60

- sign 650.856+/-0.120 χ^2/NDF: 5667359.5/30

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.515+/-25.032 χ^2/NDF:26.9/13

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

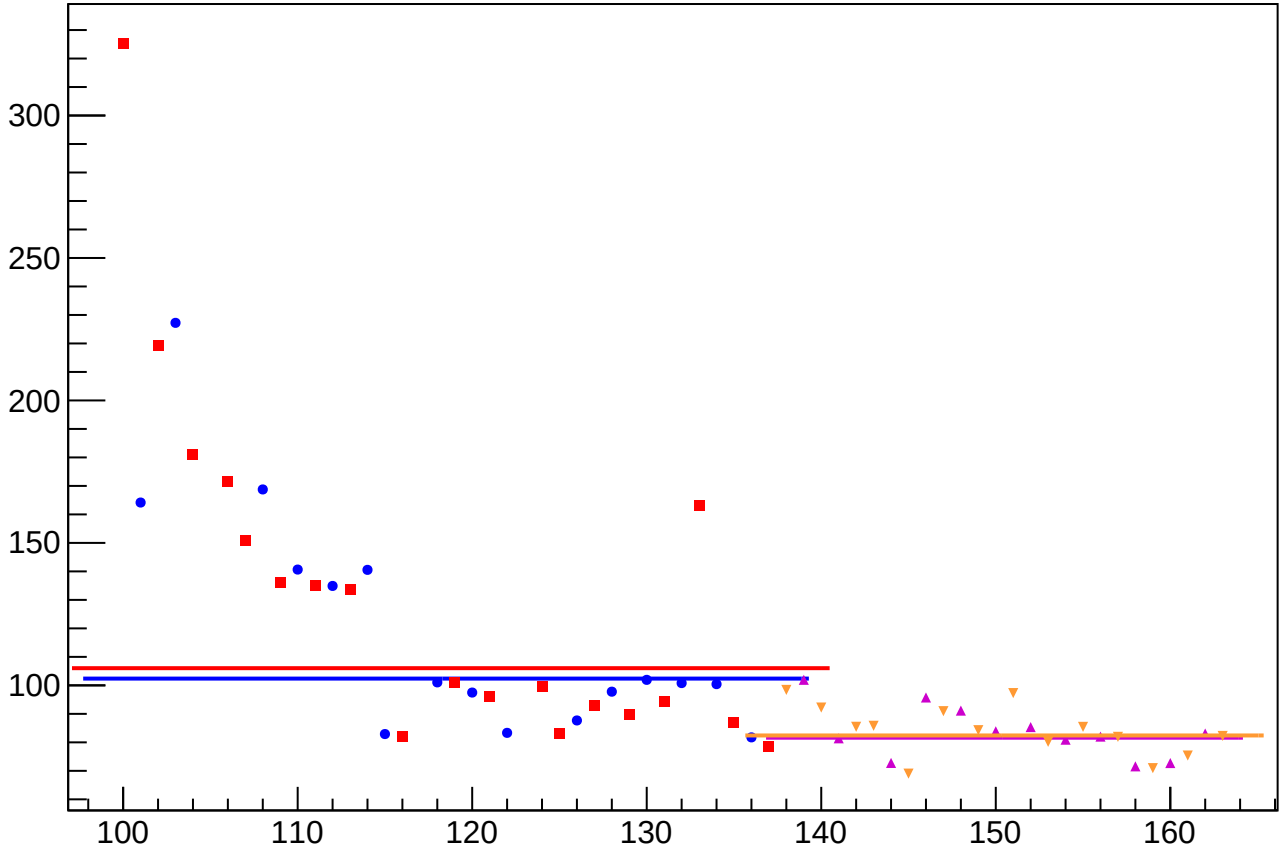
Left In: -68.304+/-25.874 χ^2/NDF:18.9/11

+ sign 77.095+/-21.211 χ^2/NDF: 48.3/29

All: 14.850+/-15.233 χ^2/NDF: 107.8/60

- sign -51.444+/-21.890 χ^2/NDF: 41.7/30

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 82.420+/-0.018 χ^2/NDF:232812.7/13

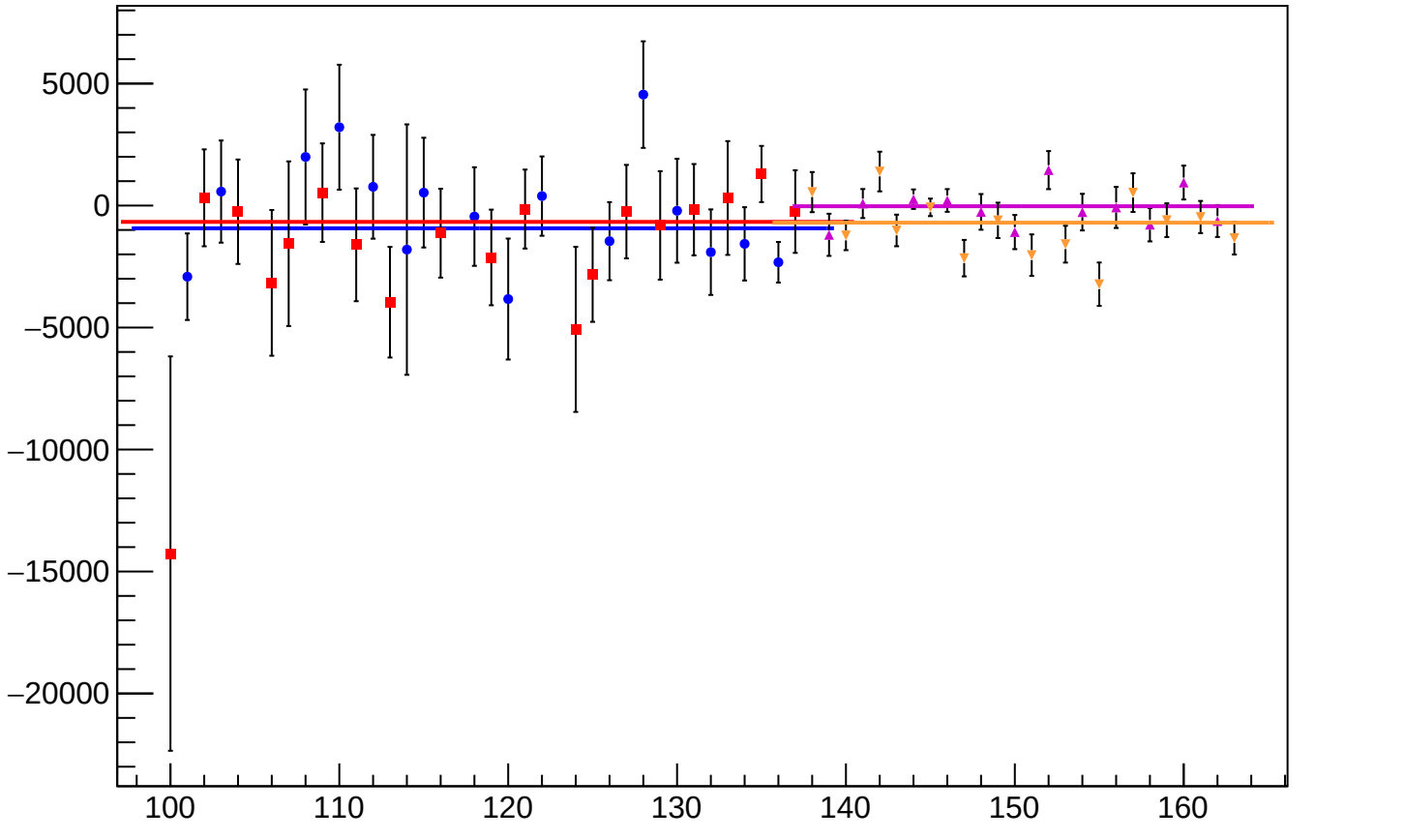
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.632+/-0.018 χ^2/NDF:207709.6/11

\+ sign 88.047+/-0.015 χ^2/NDF: 1573578.6/29

All: 88.299+/-0.011 χ^2/NDF: 3478695.6/60

\- sign 88.568+/-0.015 χ^2/NDF: 1904533.5/30



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.915+/-176.328 χ^2/NDF:32.1/13

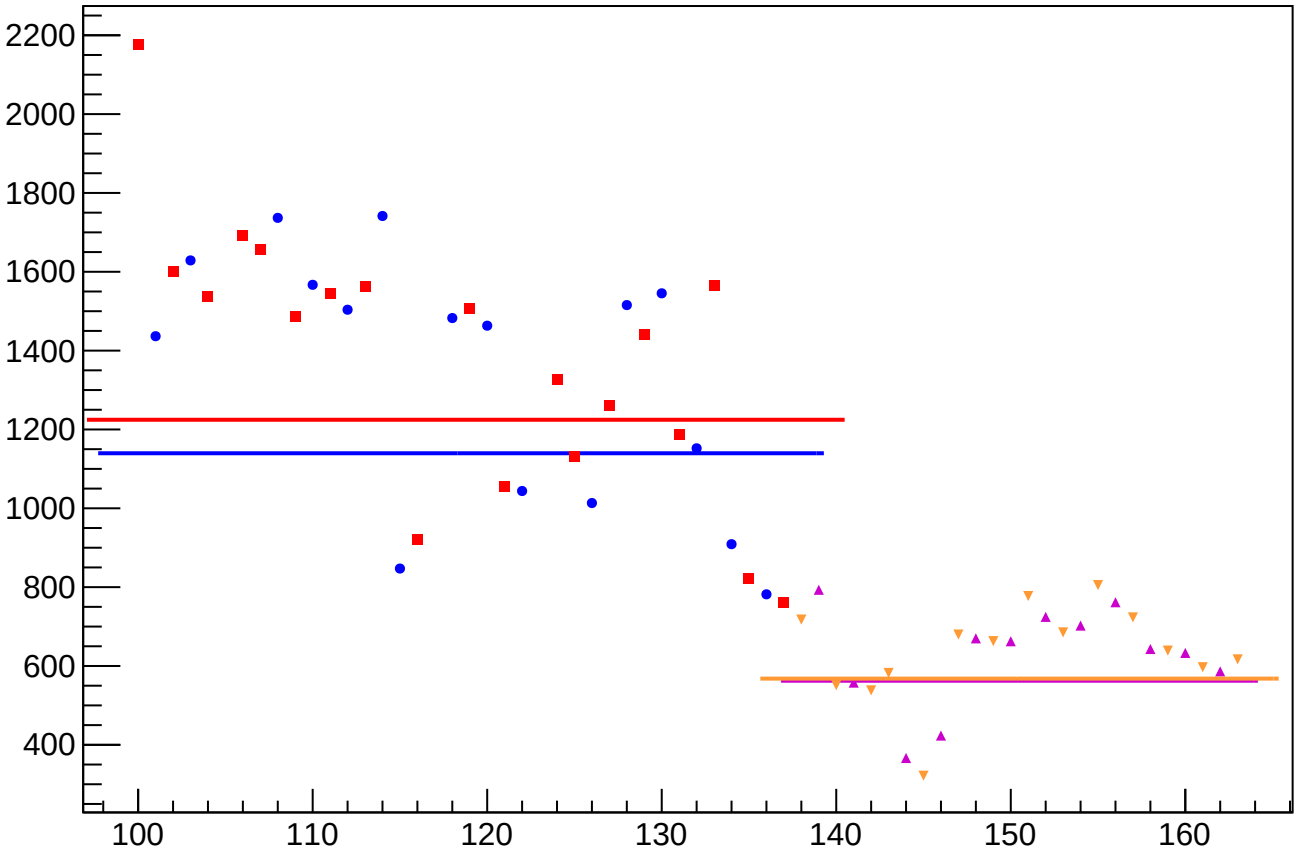
Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -28.047+/-181.658 χ^2/NDF:12.8/11

+ sign -732.604+/-163.813 χ^2/NDF: 50.8/29

All: -432.875+/-117.664 χ^2/NDF: 85.7/60

- sign -113.420+/-169.118 χ^2/NDF: 27.9/30



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 567.998+/-0.125 χ^2/NDF:1515318.6/13

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

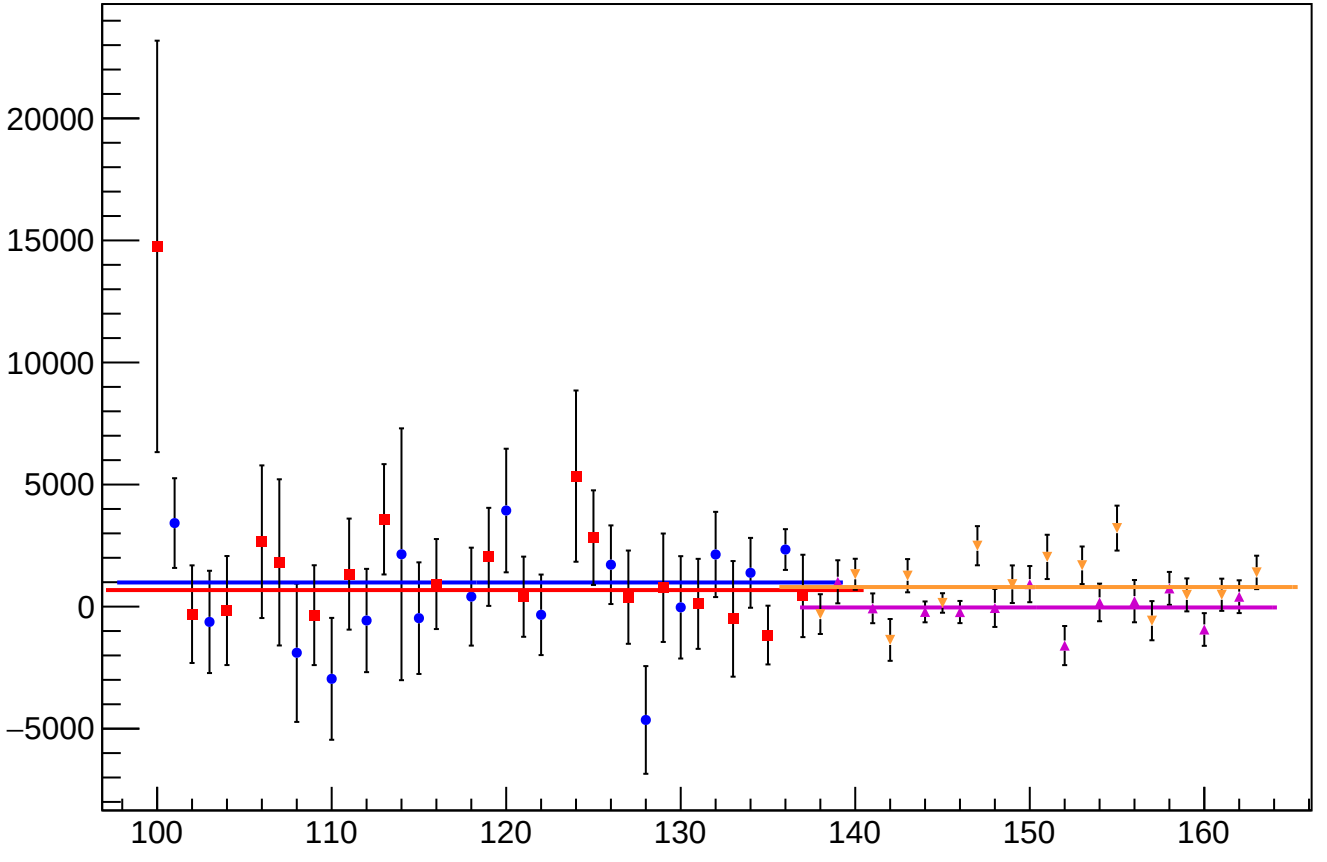
Left In: 562.608+/-0.128 χ^2/NDF:1204256.0/11

\+ sign 646.263+/-0.116 χ^2/NDF: 5486740.9/29

All: 648.486+/-0.083 χ^2/NDF: 11154858.4/60

\- sign 650.855+/-0.120 χ^2/NDF: 5667356.8/30

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 801.564+/-184.848 χ^2/NDF:30.8/13

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

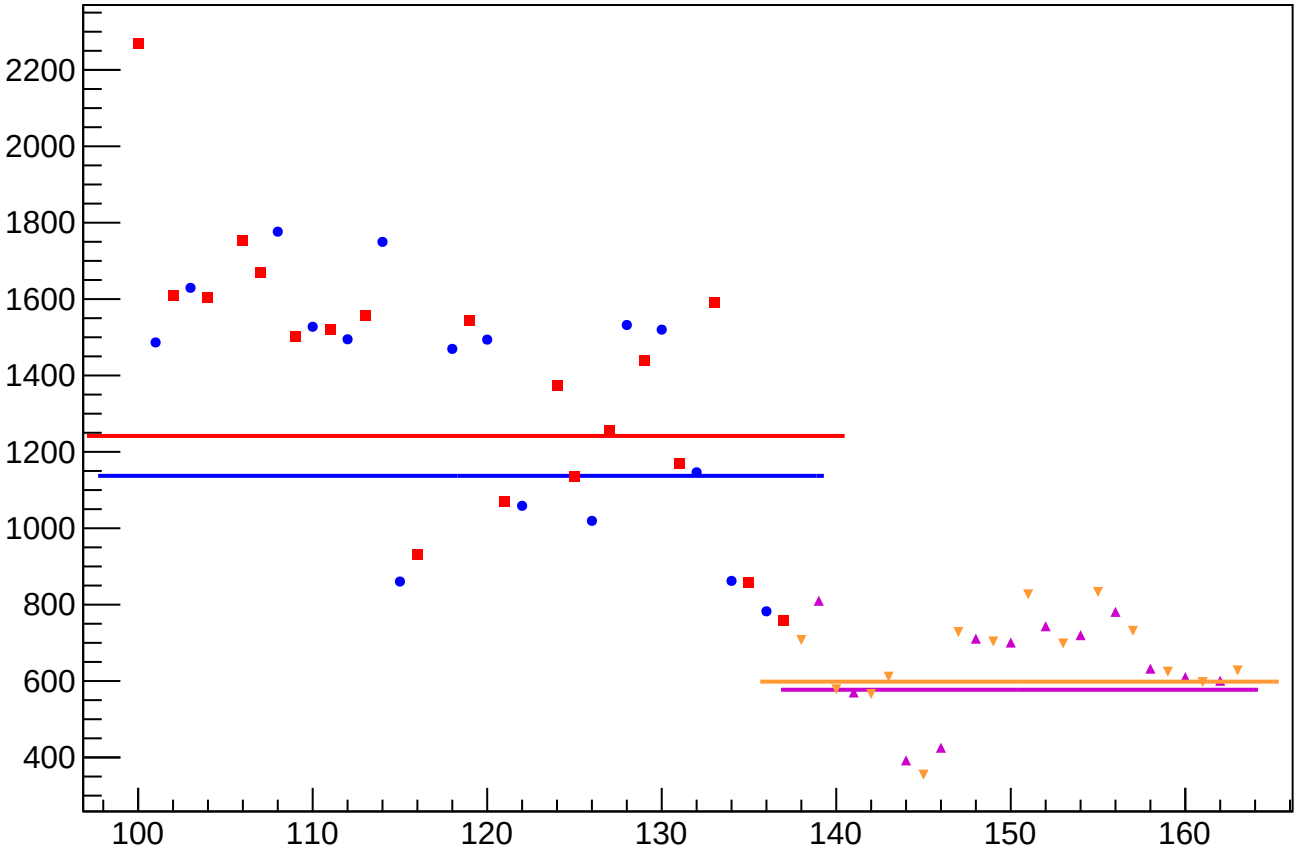
Left In: -34.280+/-185.707 χ^2/NDF:11.0/11

+ sign 829.446+/-170.572 χ^2/NDF: 50.0/29

All: 450.462+/-121.357 χ^2/NDF: 84.9/60

- sign 61.978+/-172.696 χ^2/NDF: 24.9/30

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 598.435+/-0.131 χ^2/NDF:1225351.8/13

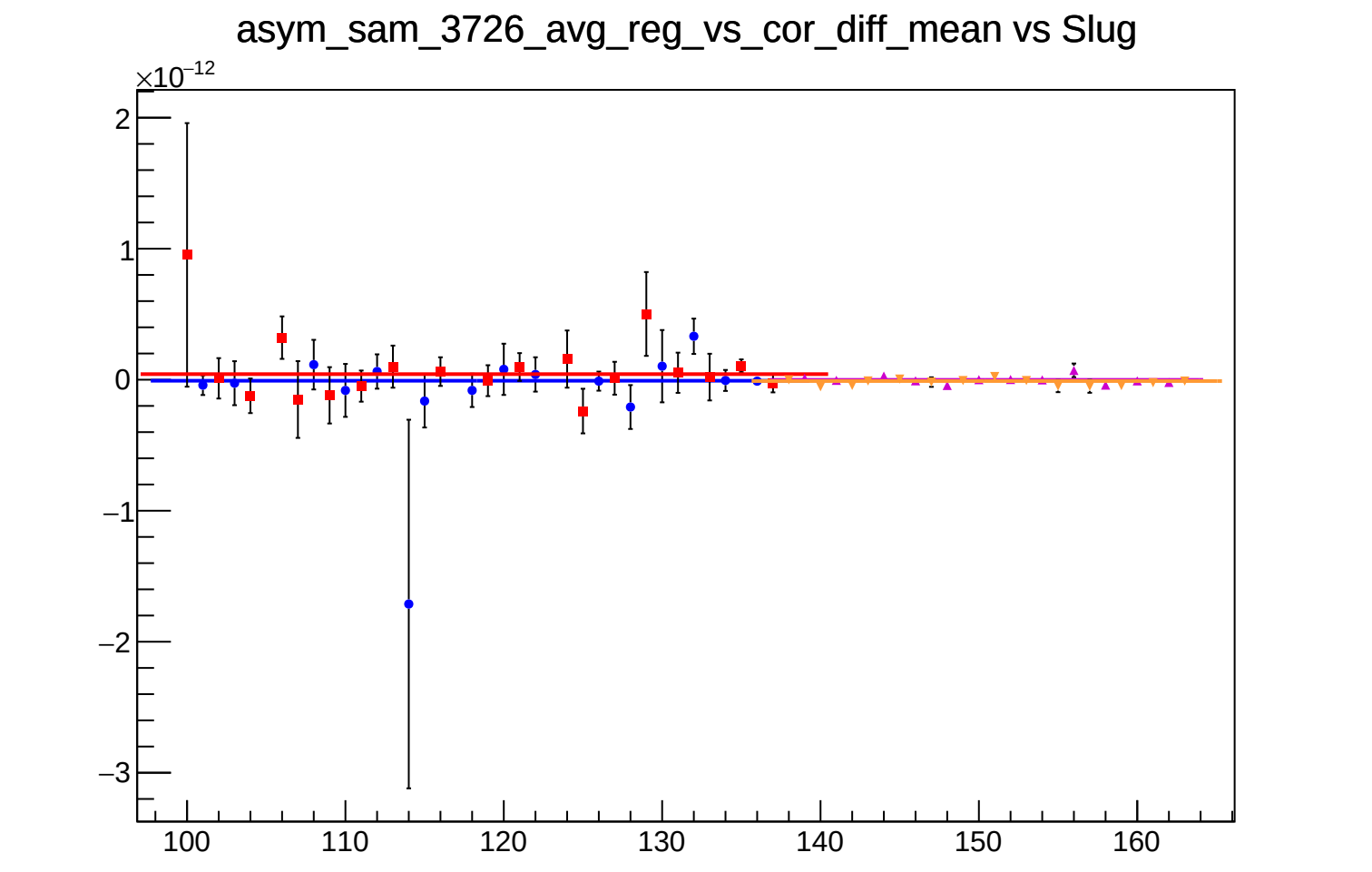
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 577.184+/-0.131 χ^2/NDF:1139248.9/11

+ sign 678.445+/-0.121 χ^2/NDF: 4872255.3/29

All: 672.811+/-0.086 χ^2/NDF: 10378009.6/60

- sign 667.035+/-0.122 χ^2/NDF: 5501335.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/13

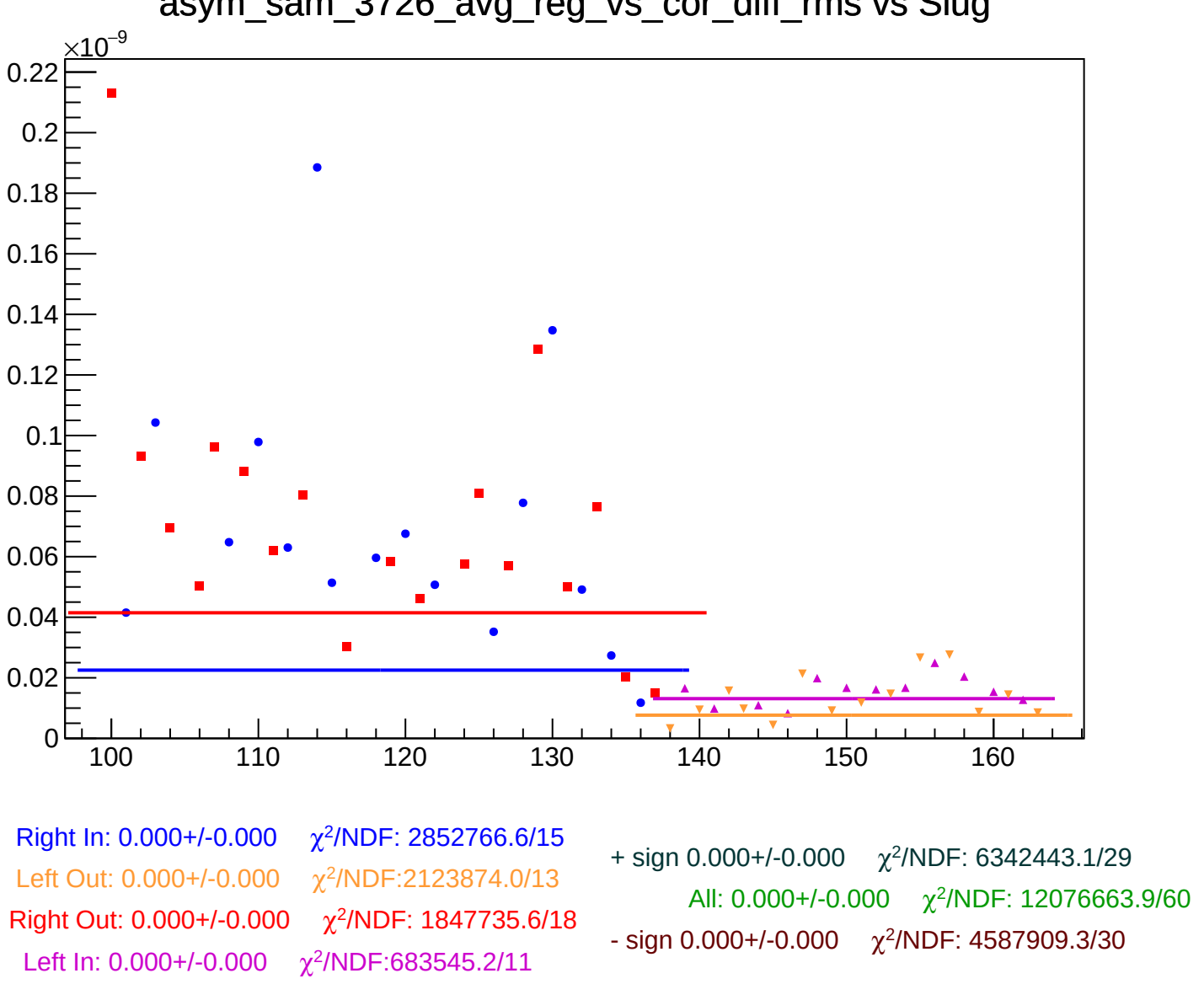
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/11

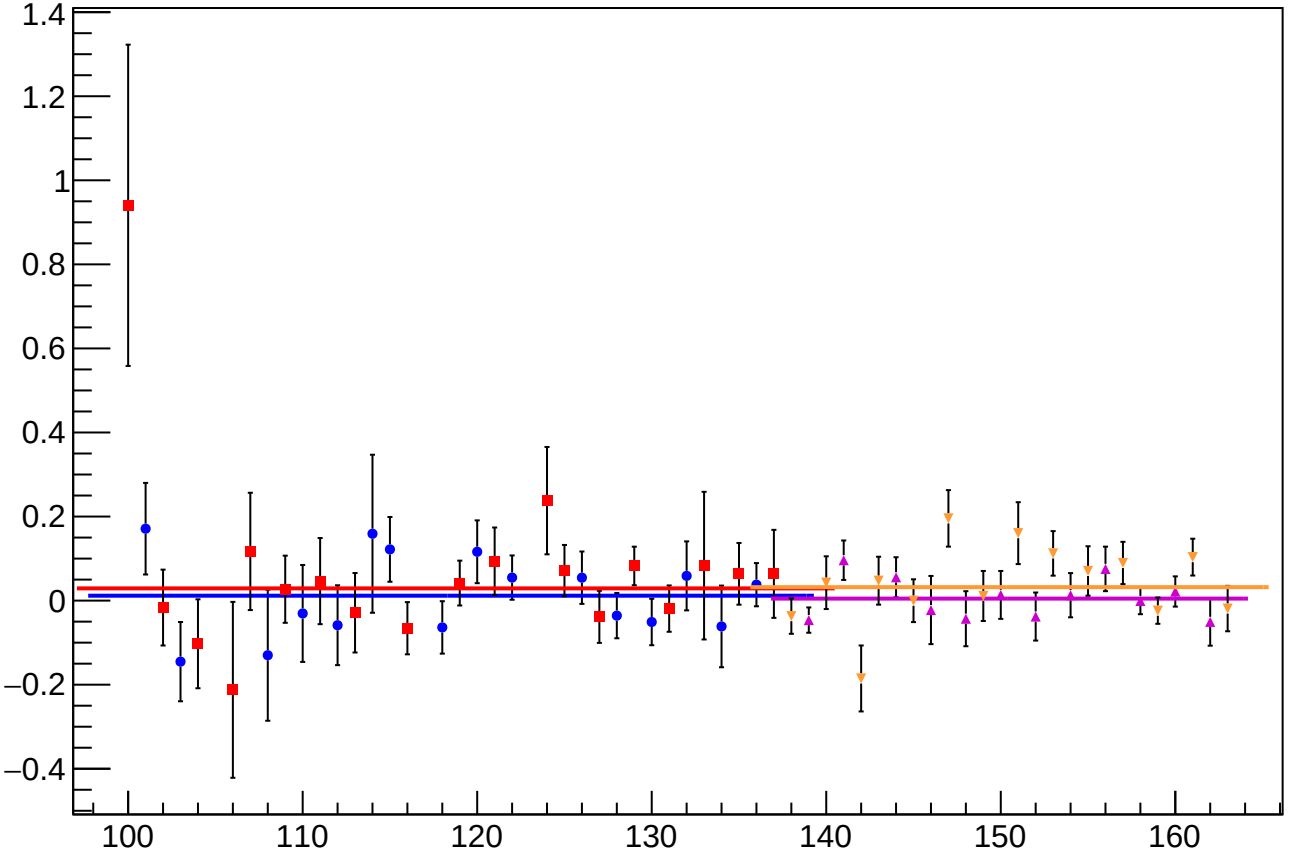
+ sign -0.000+/-0.000 χ^2/NDF: 29.8/29

All: -0.000+/-0.000 χ^2/NDF: 58.8/60

- sign 0.000+/-0.000 χ^2/NDF: 27.0/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2123874.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:683545.2/11
+ sign 0.000+/-0.000 χ²/NDF: 6342443.1/29
All: 0.000+/-0.000 χ²/NDF: 12076663.9/60
- sign 0.000+/-0.000 χ²/NDF: 4587909.3/30

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: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

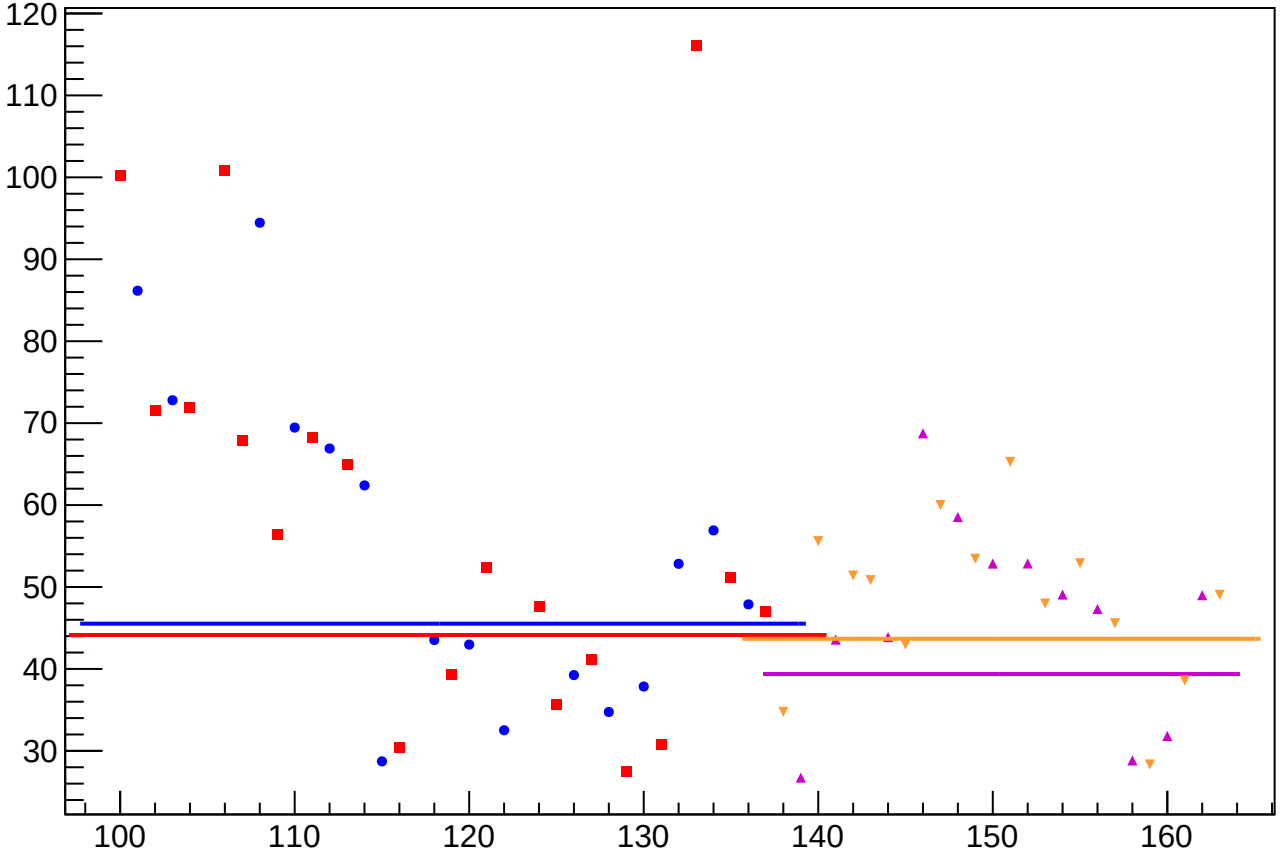
Left In: 0.005+/-0.013 χ^2/NDF:12.0/11

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 81.7/60

- sign 0.013+/-0.011 χ^2/NDF: 32.8/30

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: 43.679+/-0.010 χ^2/NDF:1148950.6/13

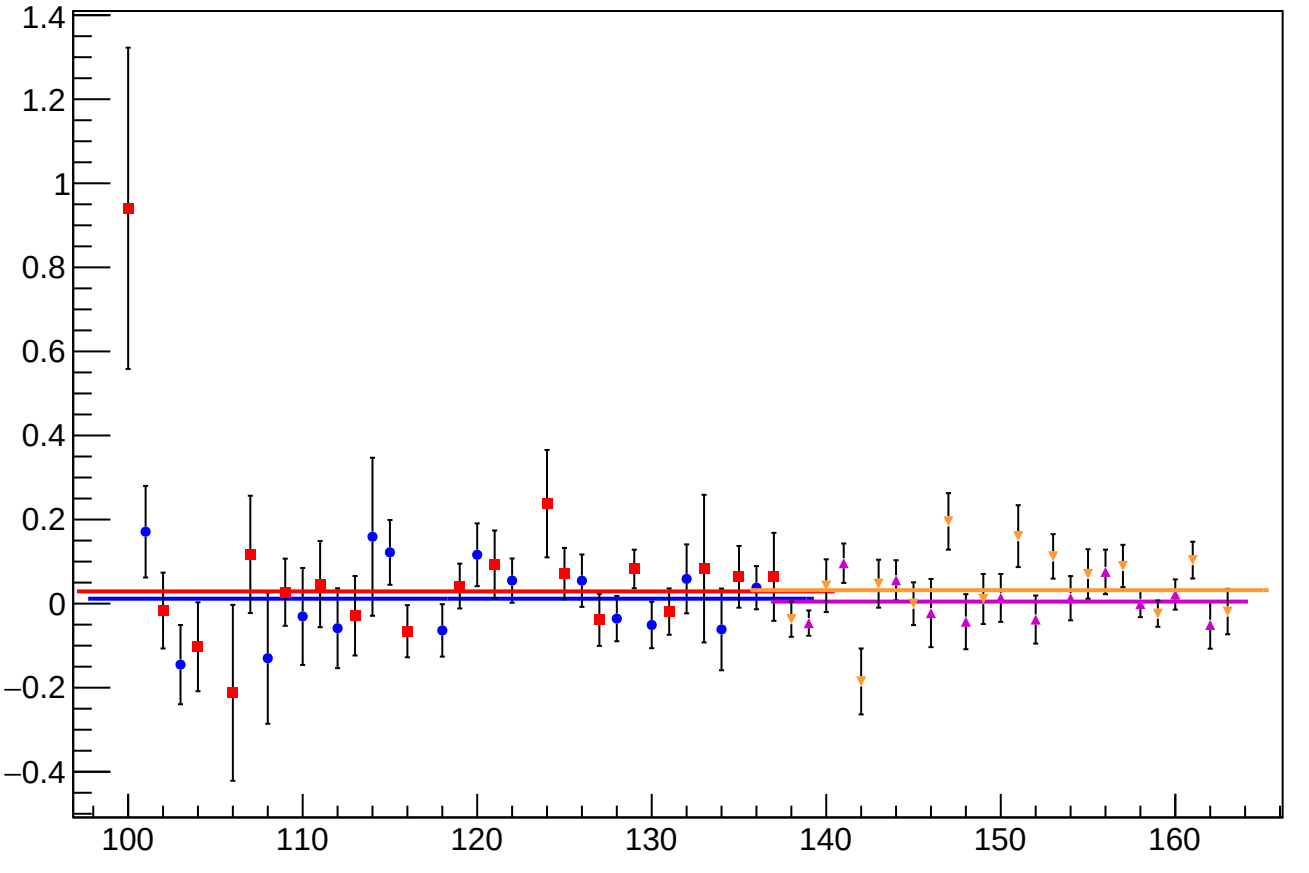
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.380+/-0.009 χ^2/NDF:1526952.6/11

+ sign 44.344+/-0.008 χ^2/NDF: 2415910.5/29

All: 42.632+/-0.005 χ^2/NDF: 5871792.1/60

- sign 41.047+/-0.007 χ^2/NDF: 3362512.8/30



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

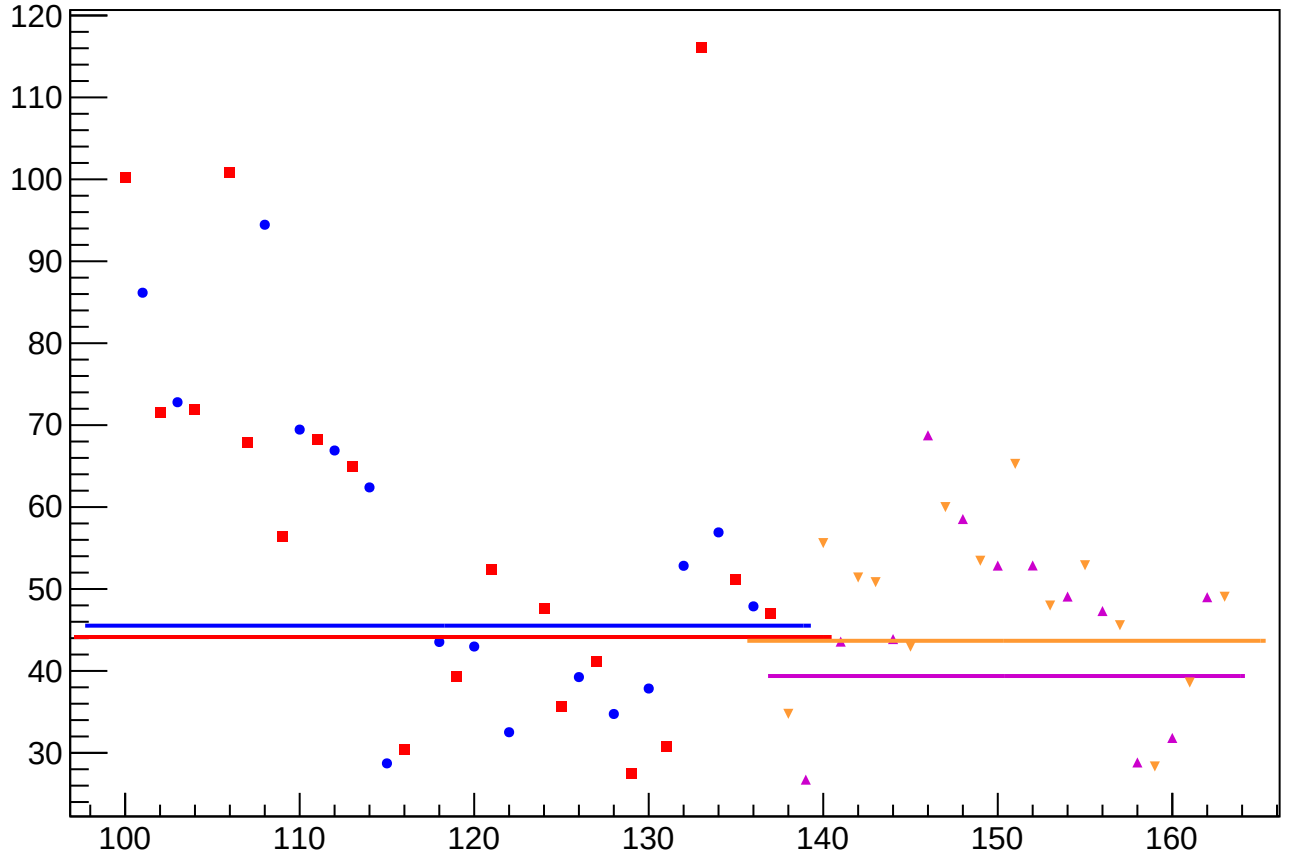
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.013 χ^2/NDF:12.0/11

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 81.7/60

- sign 0.013+/-0.011 χ^2/NDF: 32.8/30



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.679+/-0.010 χ^2/NDF:1148950.6/13

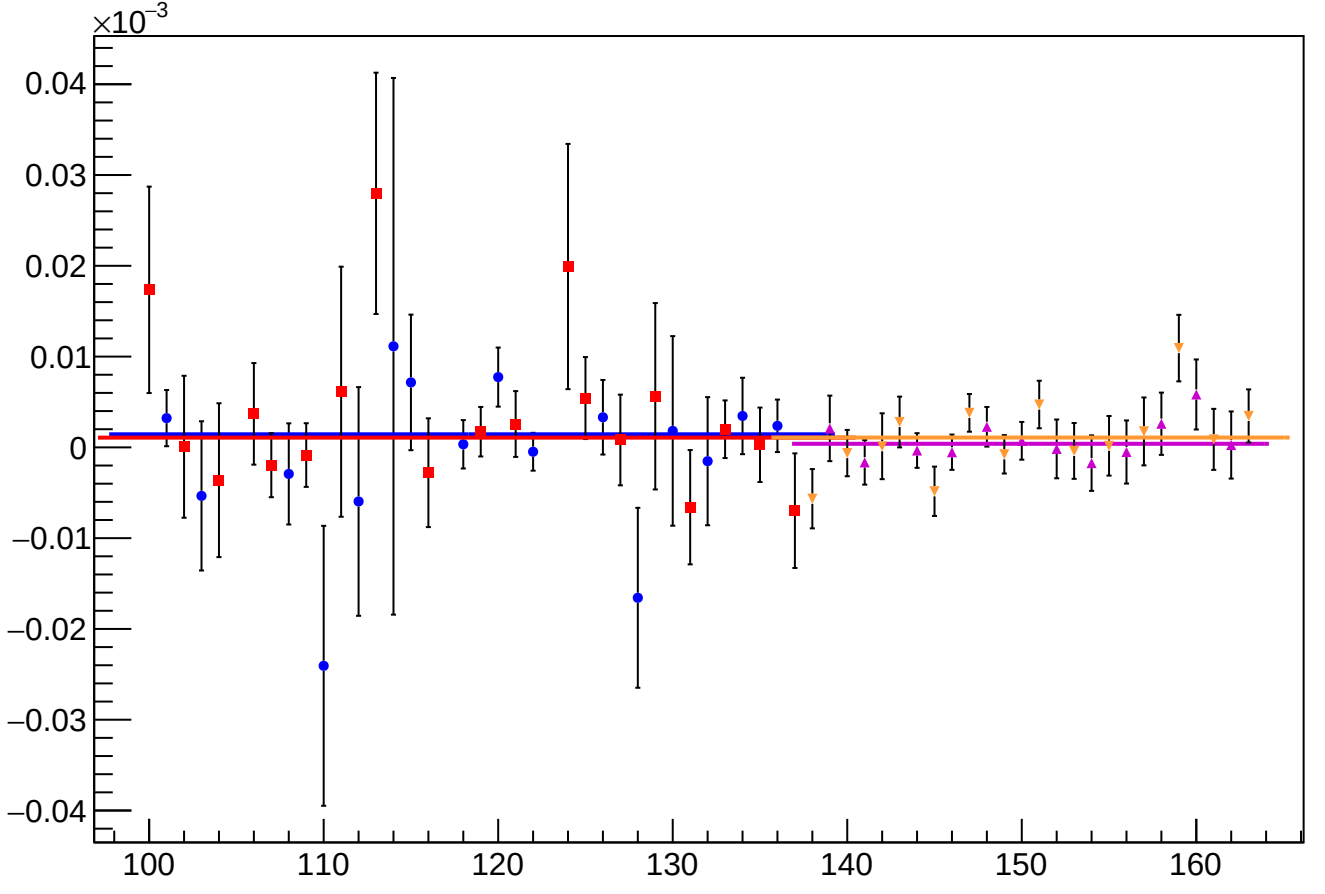
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.380+/-0.009 χ^2/NDF:1526952.6/11

+ sign 44.344+/-0.008 χ^2/NDF: 2415910.5/29

All: 42.632+/-0.005 χ^2/NDF: 5871792.1/60

- sign 41.047+/-0.007 χ^2/NDF: 3362512.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/13

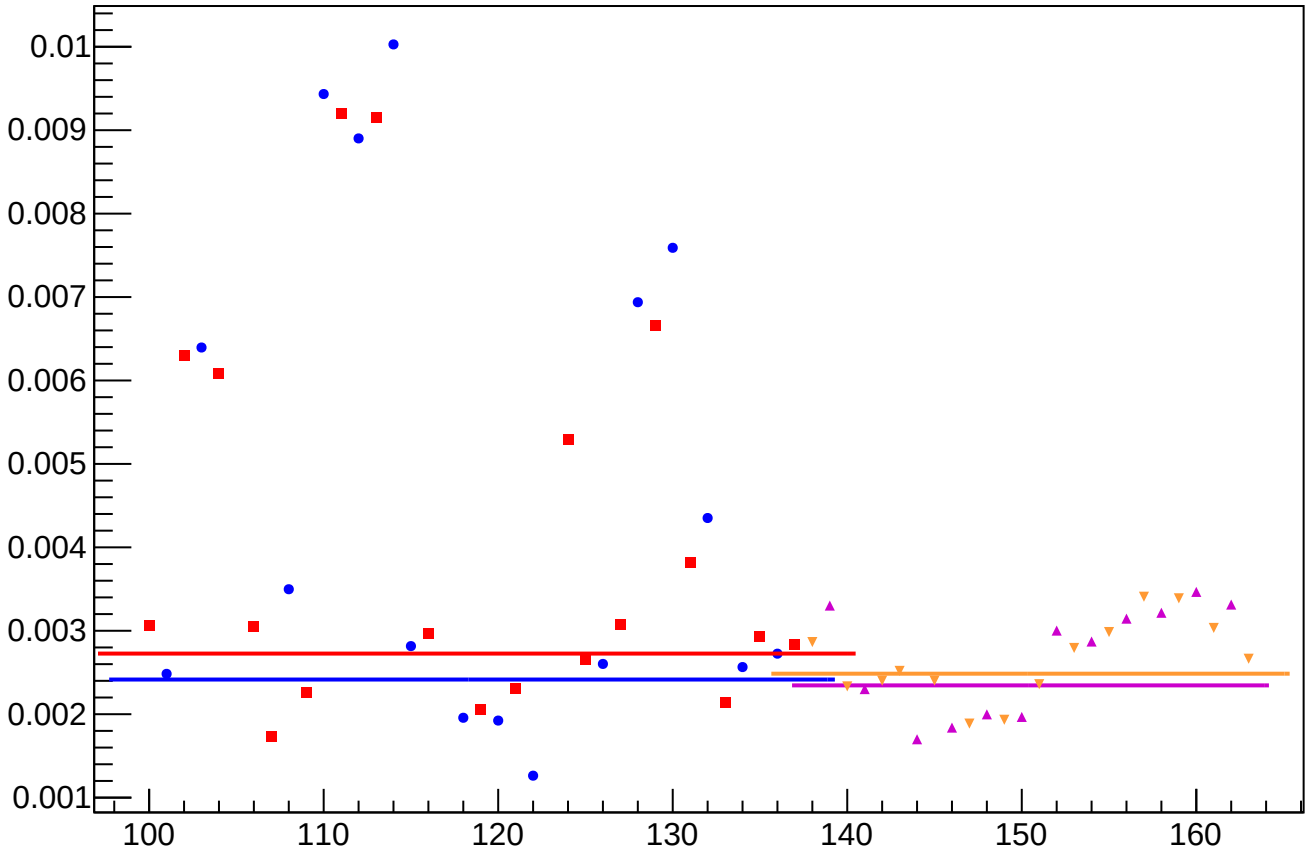
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/29

All: 0.000+/-0.000 χ^2/NDF: 57.4/60

- sign 0.000+/-0.000 χ^2/NDF: 20.1/30



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:714369.3/13

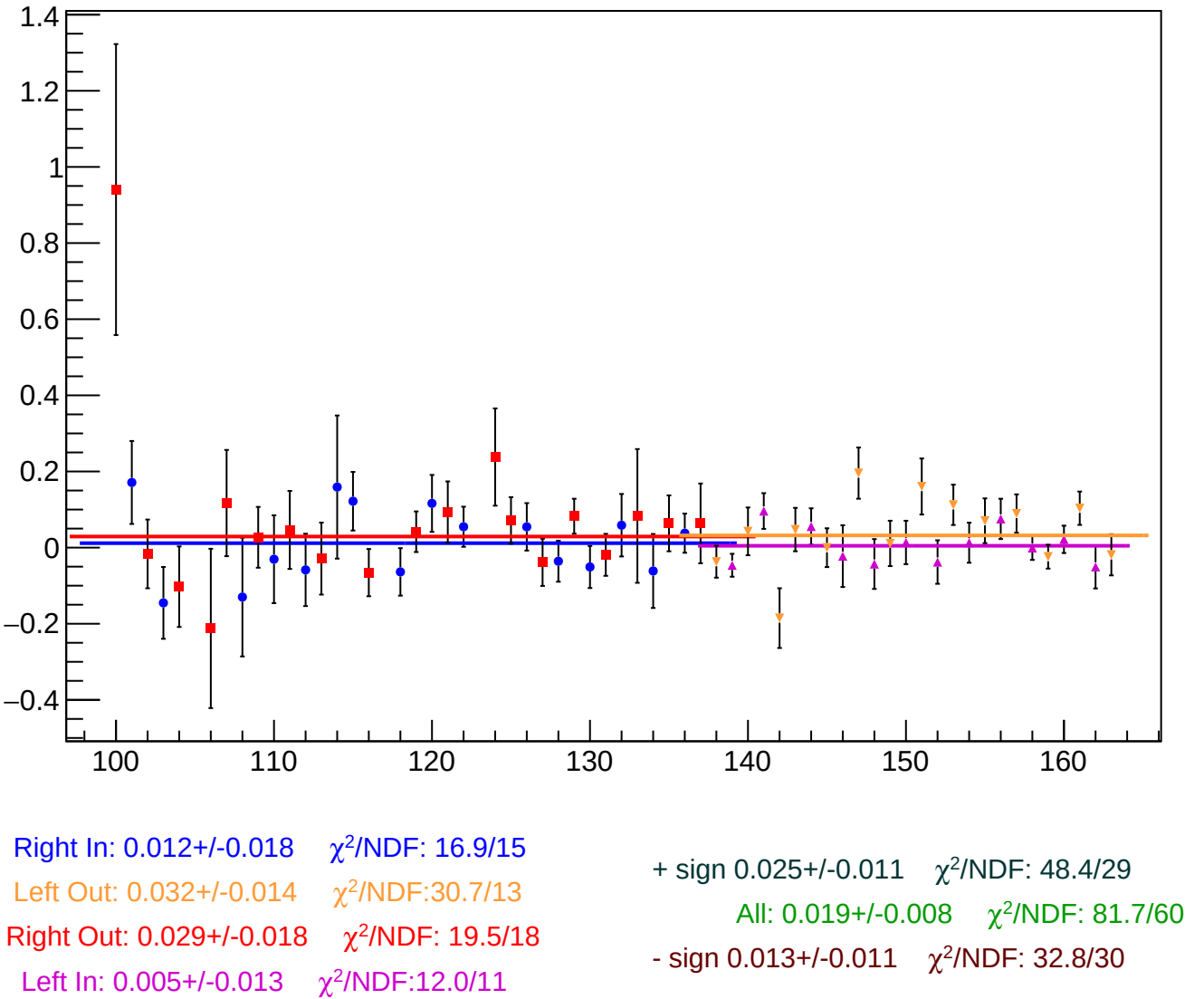
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

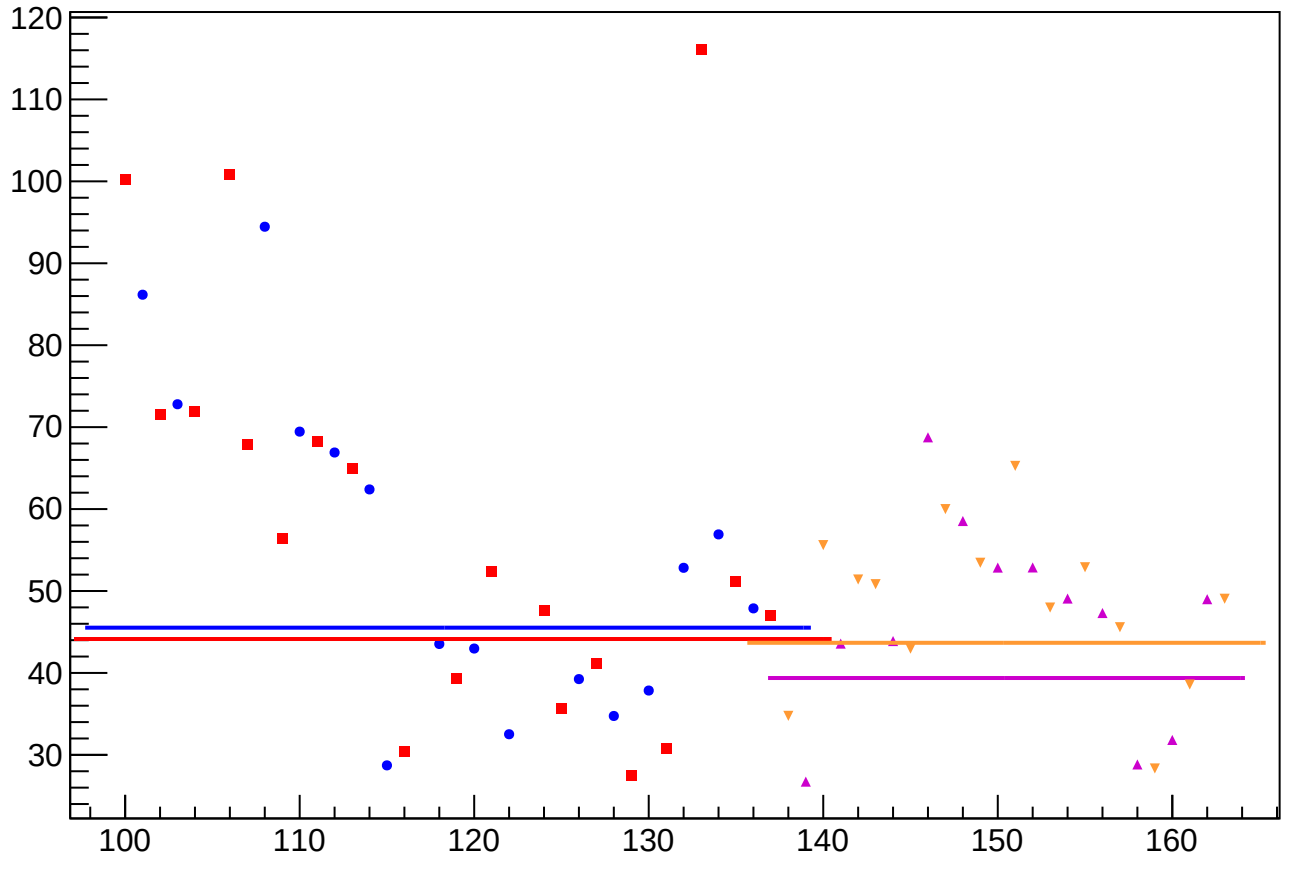
Left In: 0.002+/-0.000 χ^2/NDF:1304408.2/11

+ sign 0.002+/-0.000 χ^2/NDF: 4152383.2/29

All: 0.002+/-0.000 χ^2/NDF: 8120222.5/60

- sign 0.002+/-0.000 χ^2/NDF: 3967800.2/30


asym_sam_3726_avg_eigen_dit_vs_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
160
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.032+/-0.014 χ²/NDF:30.7/13
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: 0.005+/-0.013 χ²/NDF:12.0/11
+ sign 0.025+/-0.011 χ²/NDF: 48.4/29
All: 0.019+/-0.008 χ²/NDF: 81.7/60
- sign 0.013+/-0.011 χ²/NDF: 32.8/30



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.679+/-0.010 χ^2/NDF:1149005.6/13

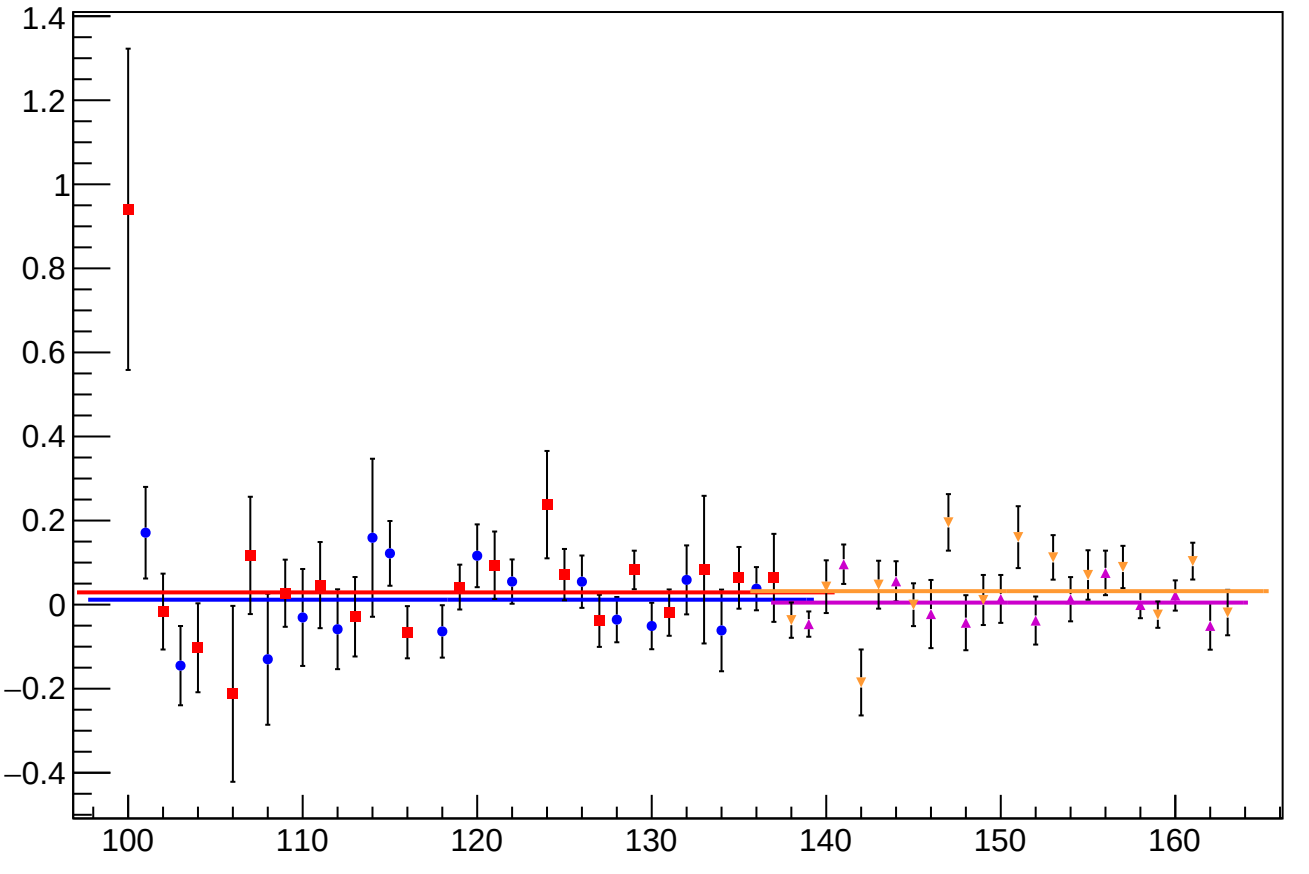
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.380+/-0.009 χ^2/NDF:1527006.7/11

+ sign 44.344+/-0.008 χ^2/NDF: 2415917.2/29

All: 42.632+/-0.005 χ^2/NDF: 5871772.8/60

- sign 41.047+/-0.007 χ^2/NDF: 3362493.4/30



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

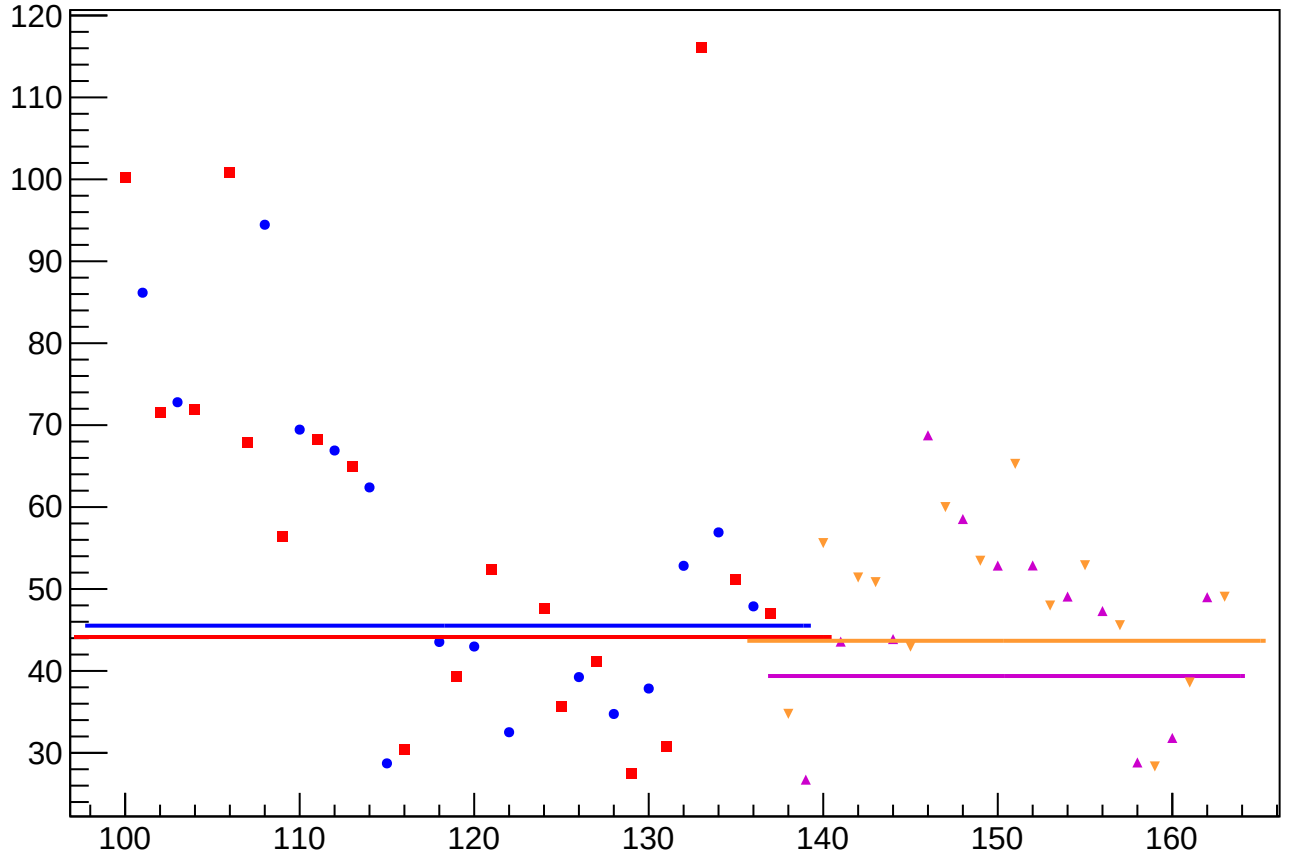
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.013 χ^2/NDF:12.0/11

+ sign 0.025+/-0.011 χ^2/NDF: 48.4/29

All: 0.019+/-0.008 χ^2/NDF: 81.7/60

- sign 0.013+/-0.011 χ^2/NDF: 32.8/30



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.679+/-0.010 χ^2/NDF:1149005.6/13

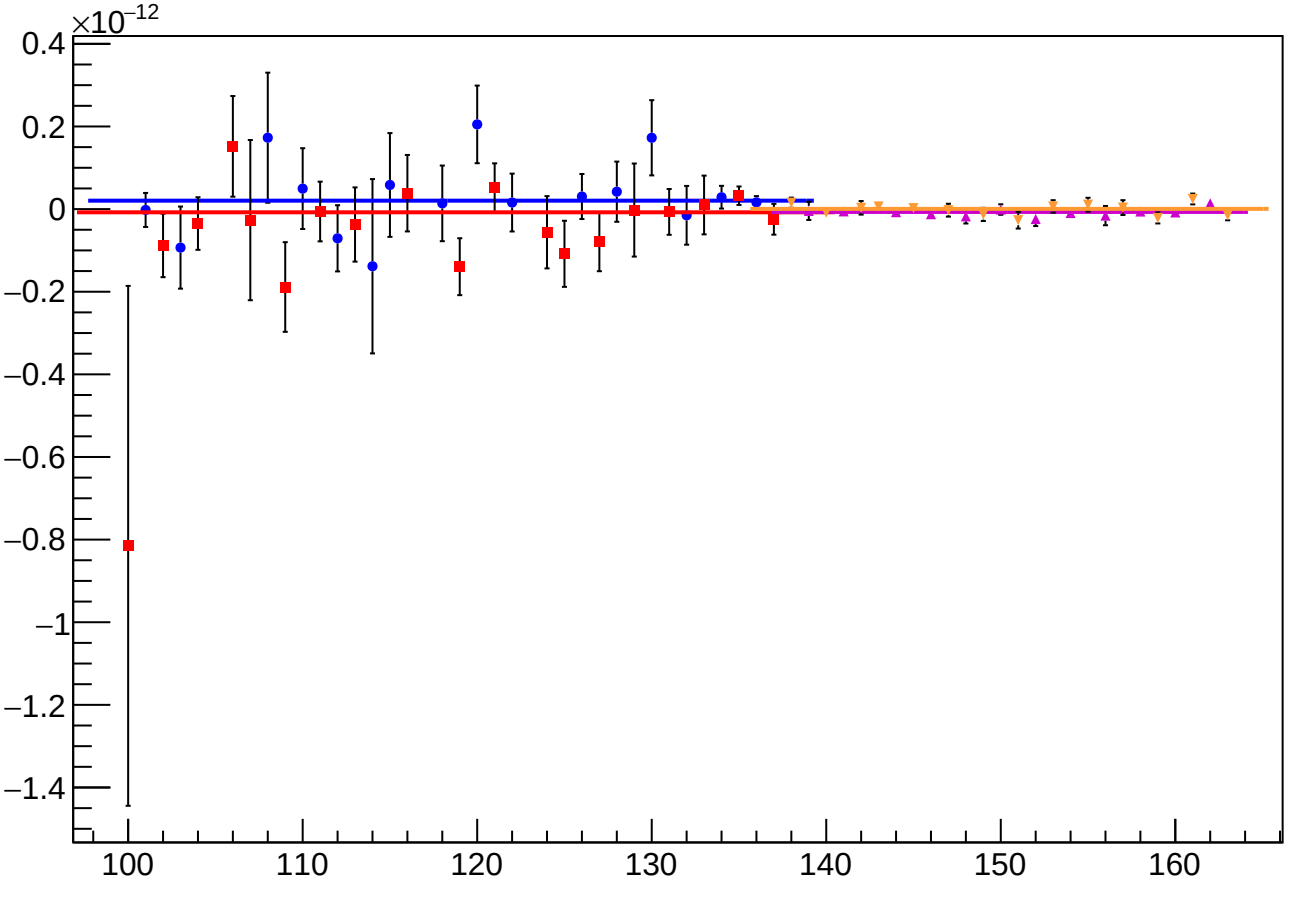
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.380+/-0.009 χ^2/NDF:1527006.7/11

+ sign 44.344+/-0.008 χ^2/NDF: 2415917.2/29

All: 42.632+/-0.005 χ^2/NDF: 5871772.8/60

- sign 41.047+/-0.007 χ^2/NDF: 3362493.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/13

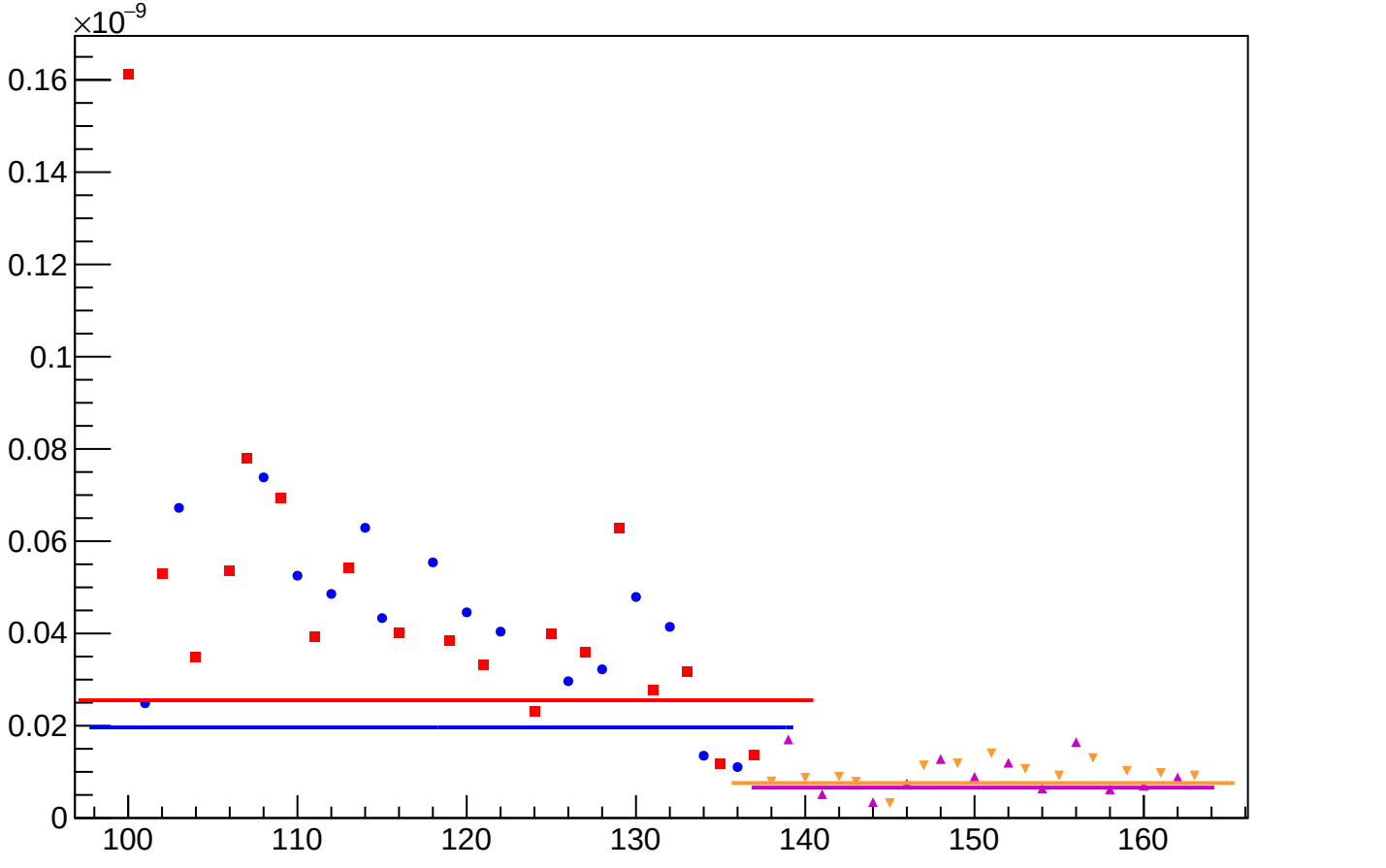
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 27.9/29

All: -0.000+/-0.000 χ^2/NDF: 56.1/60

- sign -0.000+/-0.000 χ^2/NDF: 23.9/30



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165839.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

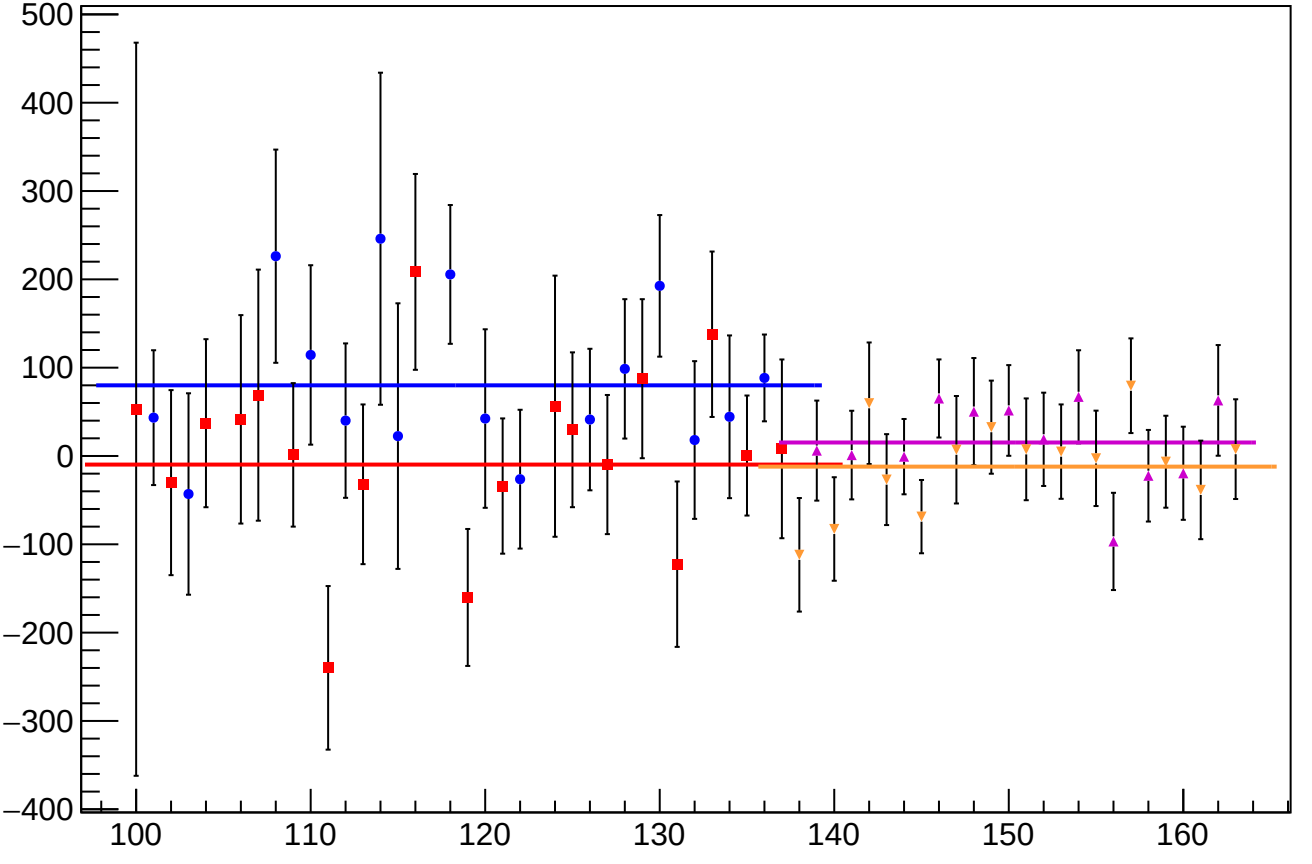
Left In: 0.000+/-0.000 χ^2/NDF:2079846.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 7554836.7/29

All: 0.000+/-0.000 χ^2/NDF: 16082157.1/60

- sign 0.000+/-0.000 χ^2/NDF: 8420196.3/30

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.053+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

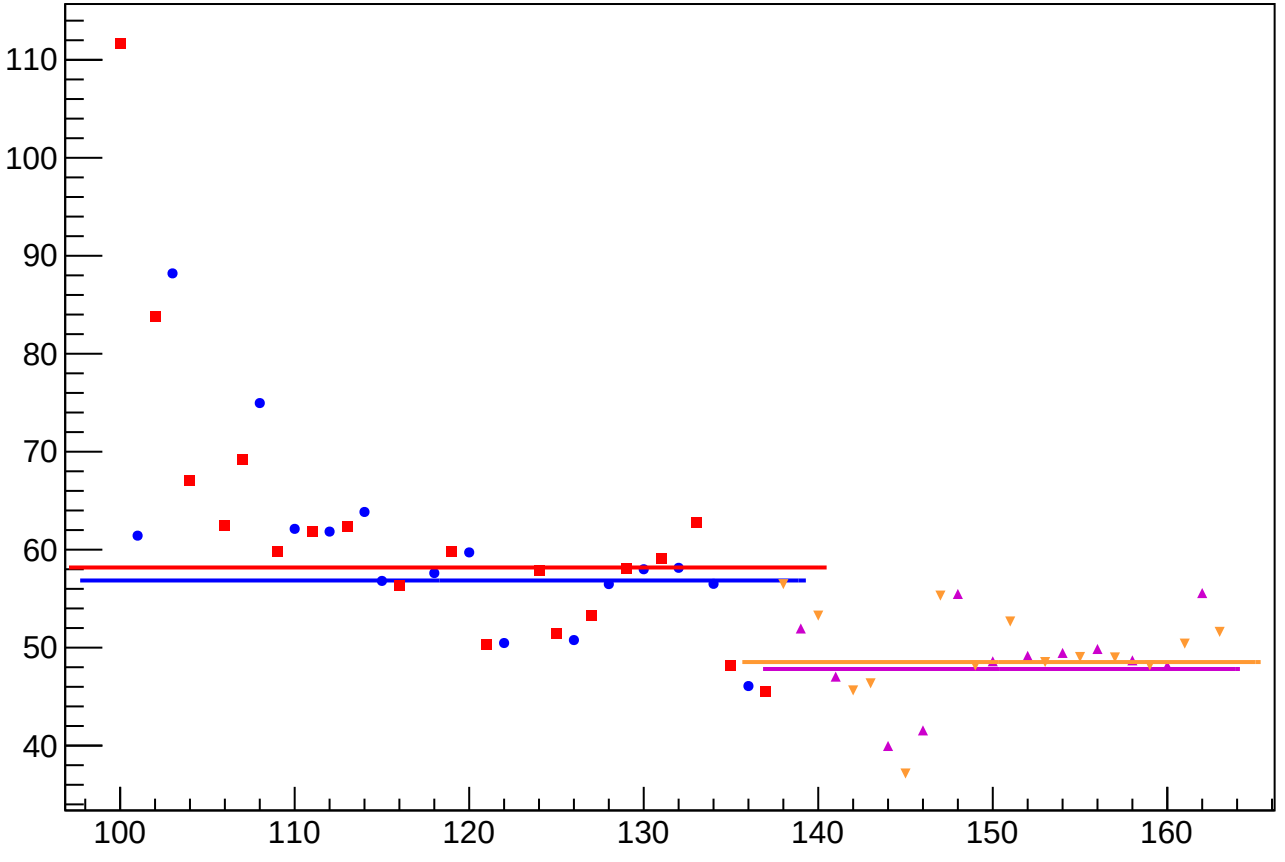
Left In: 15.265+/-14.981 χ^2/NDF:9.0/11

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 12.220+/-8.625 χ^2/NDF: 65.9/60

- sign 7.156+/-12.313 χ^2/NDF: 30.2/30

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

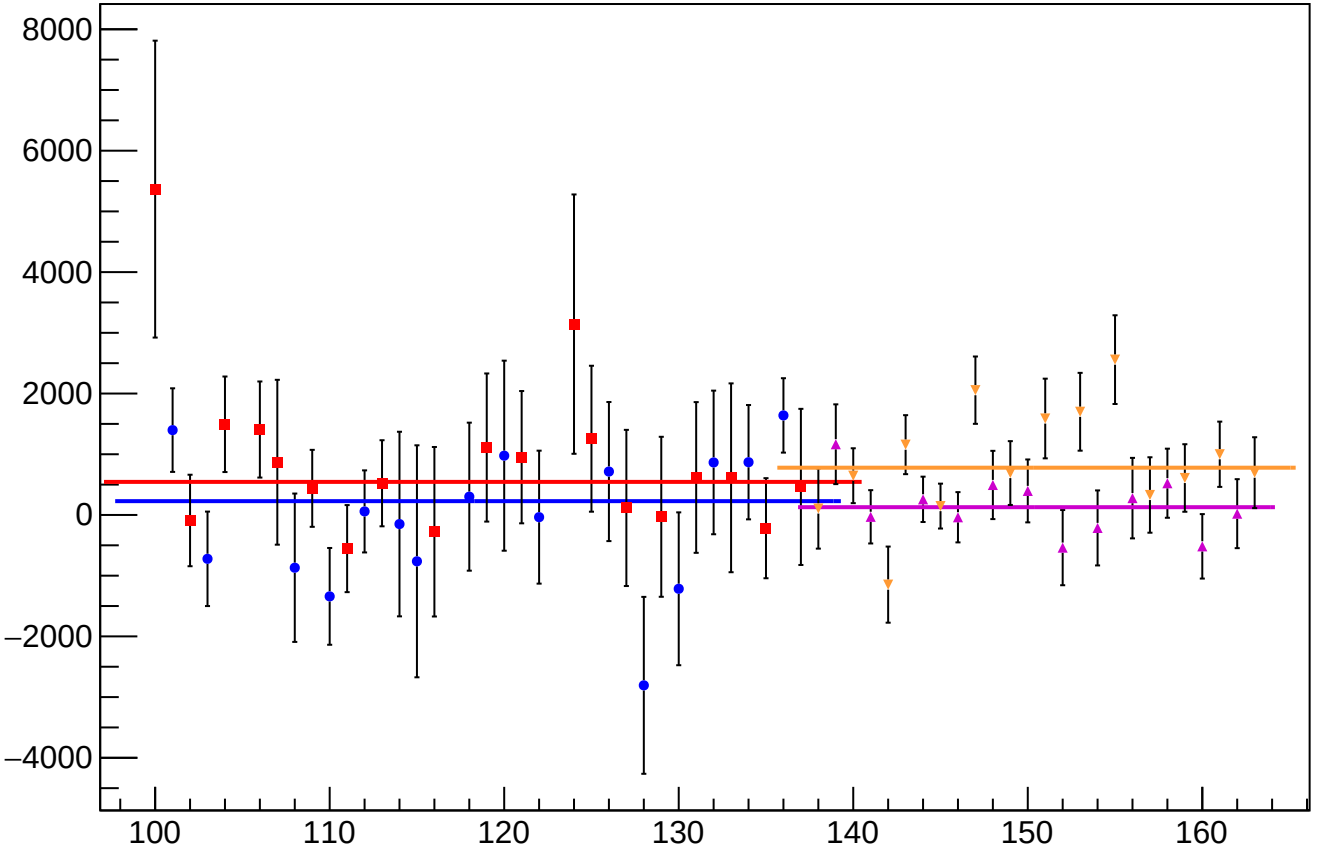
Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

+ sign 51.165+/-0.009 χ^2/NDF: 792116.8/29

All: 51.173+/-0.006 χ^2/NDF: 1605988.4/60

- sign 51.182+/-0.009 χ^2/NDF: 813869.6/30

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 778.554+/-145.873 χ^2/NDF:29.8/13

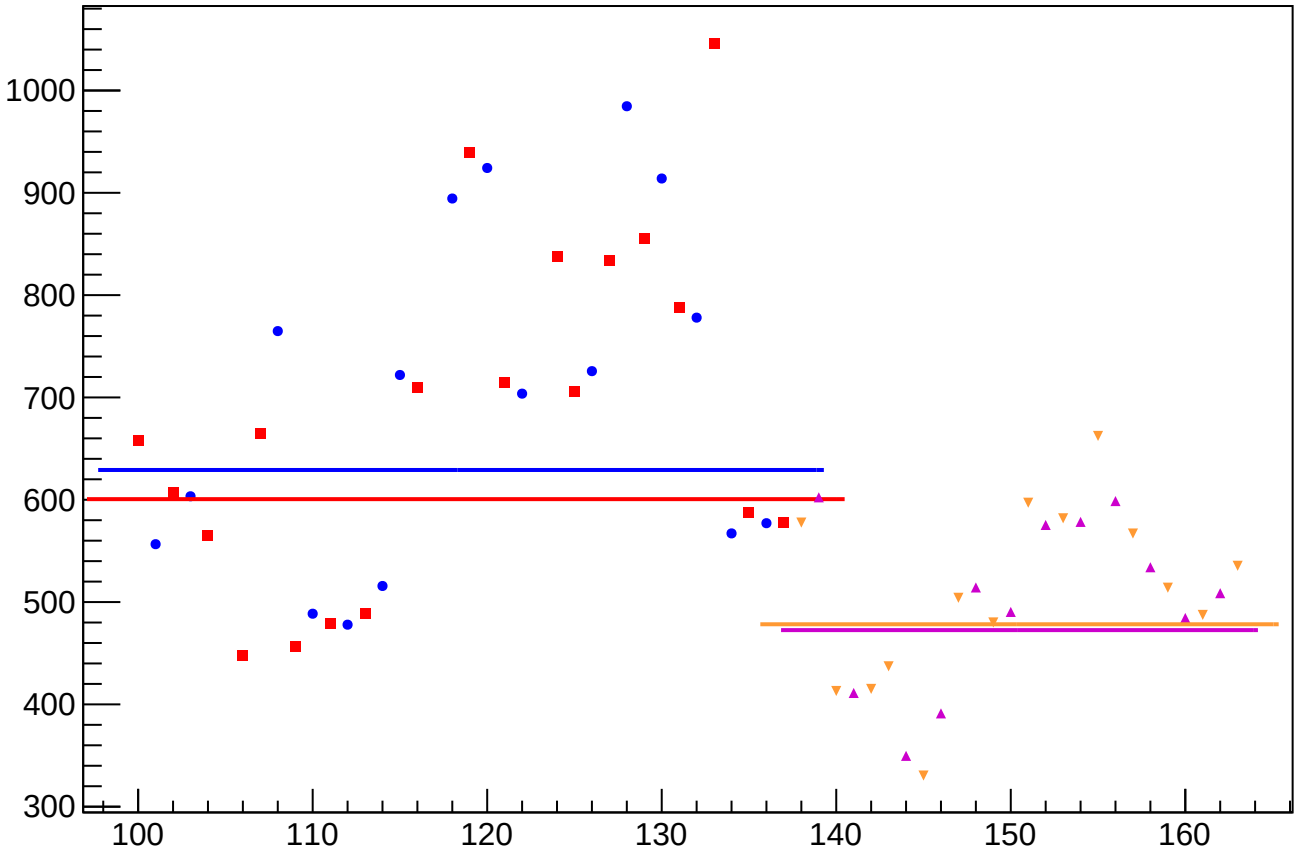
Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: 128.105+/-149.679 χ^2/NDF:7.1/11

\+ sign 631.003+/-124.825 χ^2/NDF: 55.2/29

All: 442.854+/-88.326 χ^2/NDF: 82.6/60

\- sign 254.179+/-125.000 χ^2/NDF: 22.8/30



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 478.294+/-0.103 χ^2/NDF:759027.5/13

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

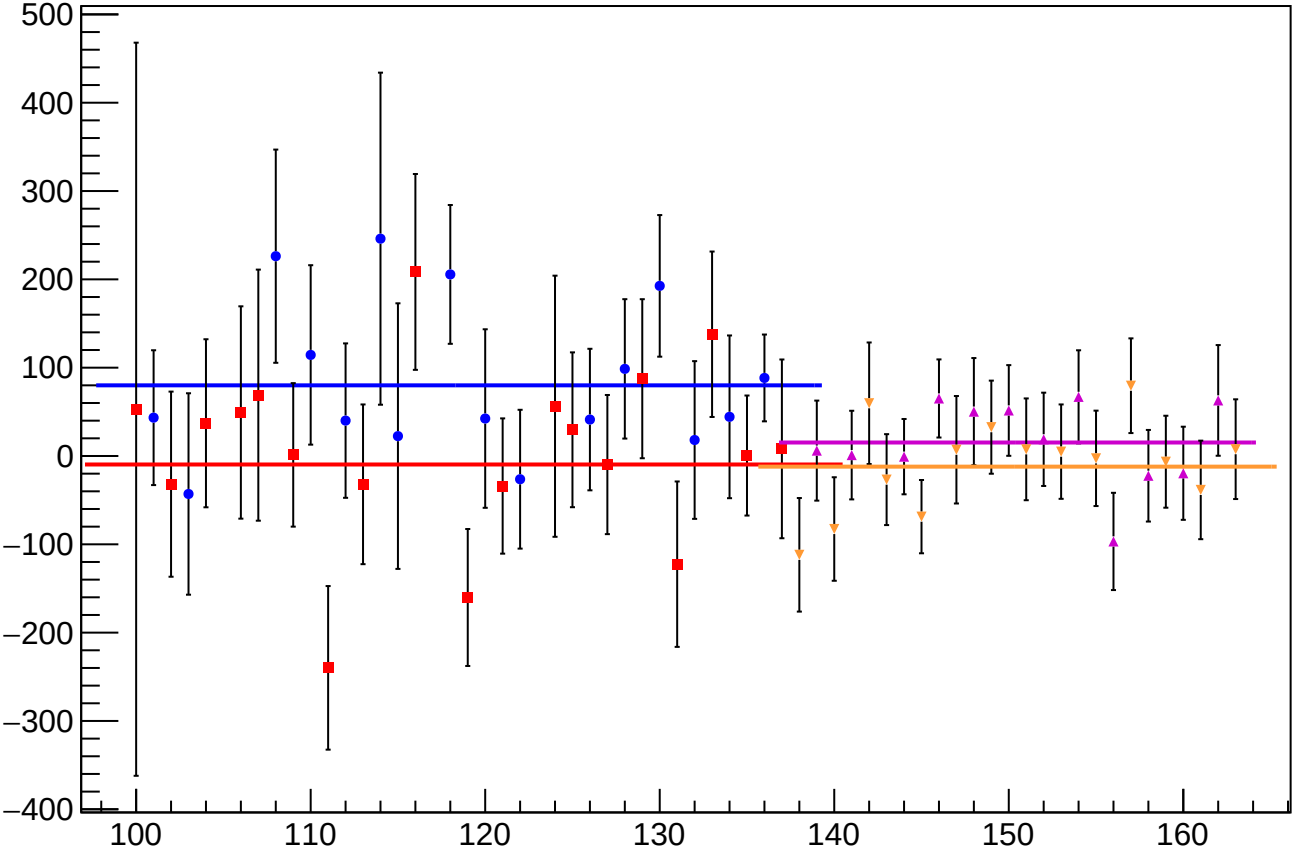
Left In: 472.580+/-0.106 χ^2/NDF:642913.5/11

+ sign 518.674+/-0.088 χ^2/NDF: 2024079.4/29

All: 514.999+/-0.062 χ^2/NDF: 3987725.7/60

- sign 511.314+/-0.088 χ^2/NDF: 1960174.2/30

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

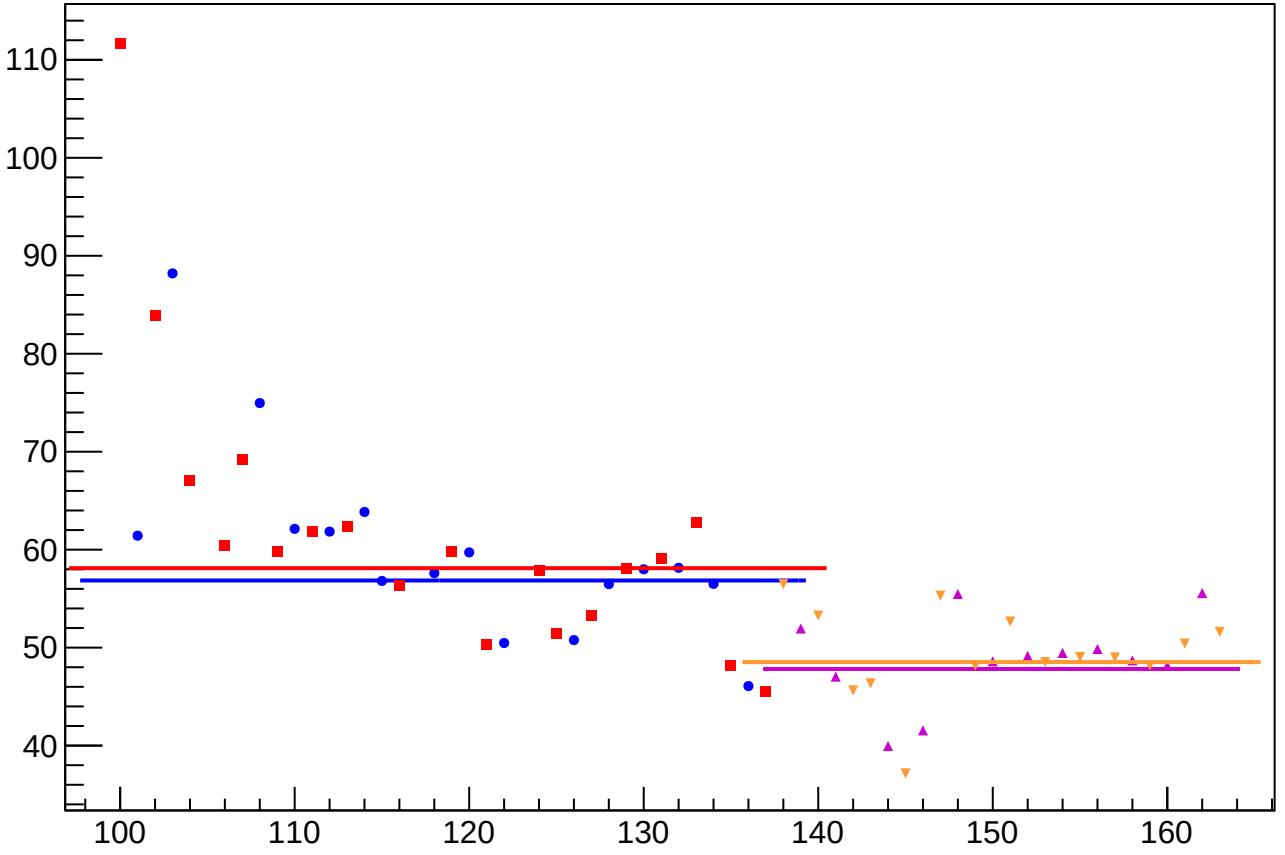
Left In: 15.267+/-14.981 χ^2/NDF:9.0/11

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 12.242+/-8.626 χ^2/NDF: 66.0/60

- sign 7.200+/-12.316 χ^2/NDF: 30.3/30

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

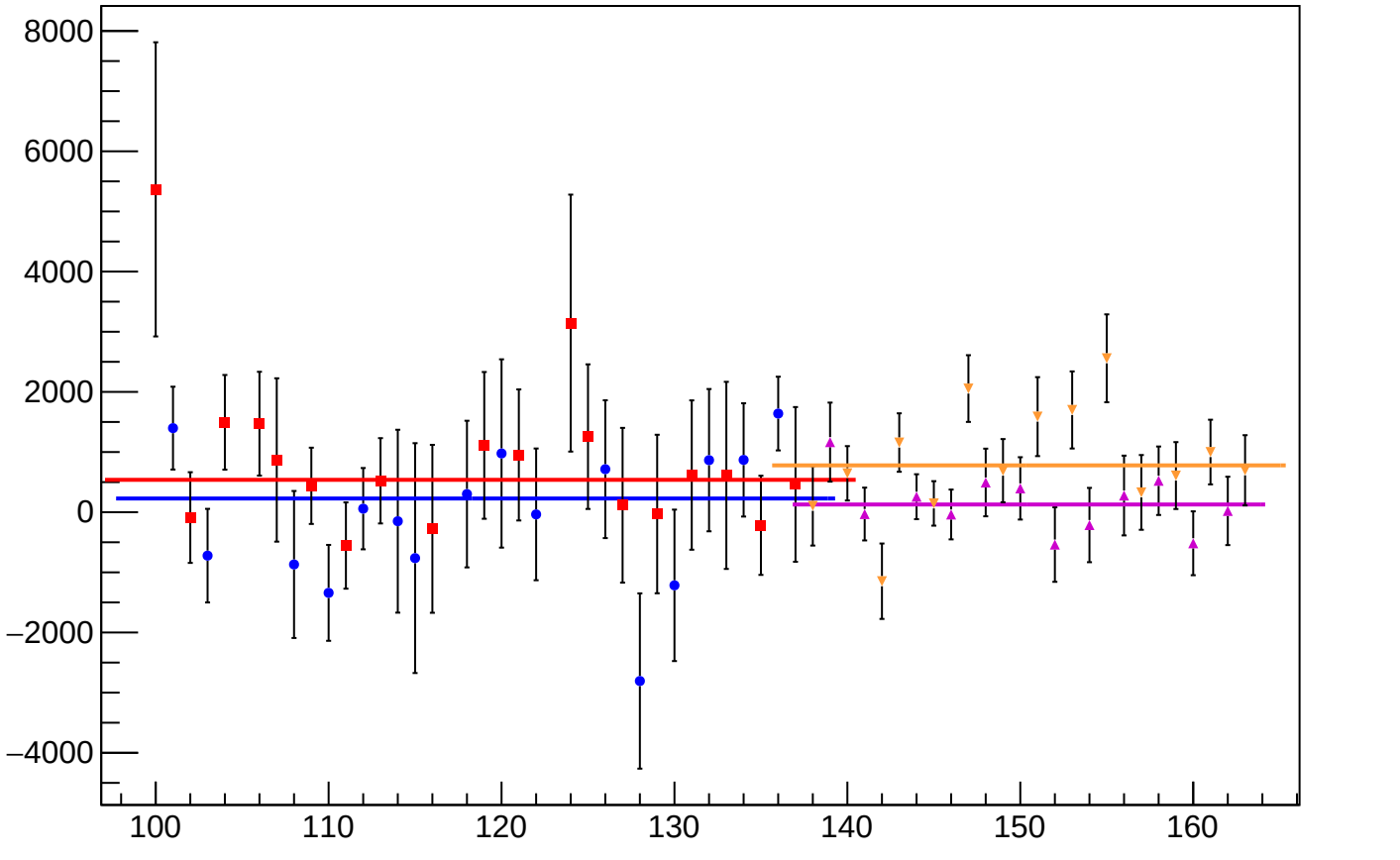
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

+ sign 51.165+/-0.009 χ^2/NDF: 792120.8/29

All: 51.161+/-0.006 χ^2/NDF: 1599786.2/60

- sign 51.156+/-0.009 χ^2/NDF: 807664.9/30



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 778.553+/-145.873 χ^2/NDF:29.8/13

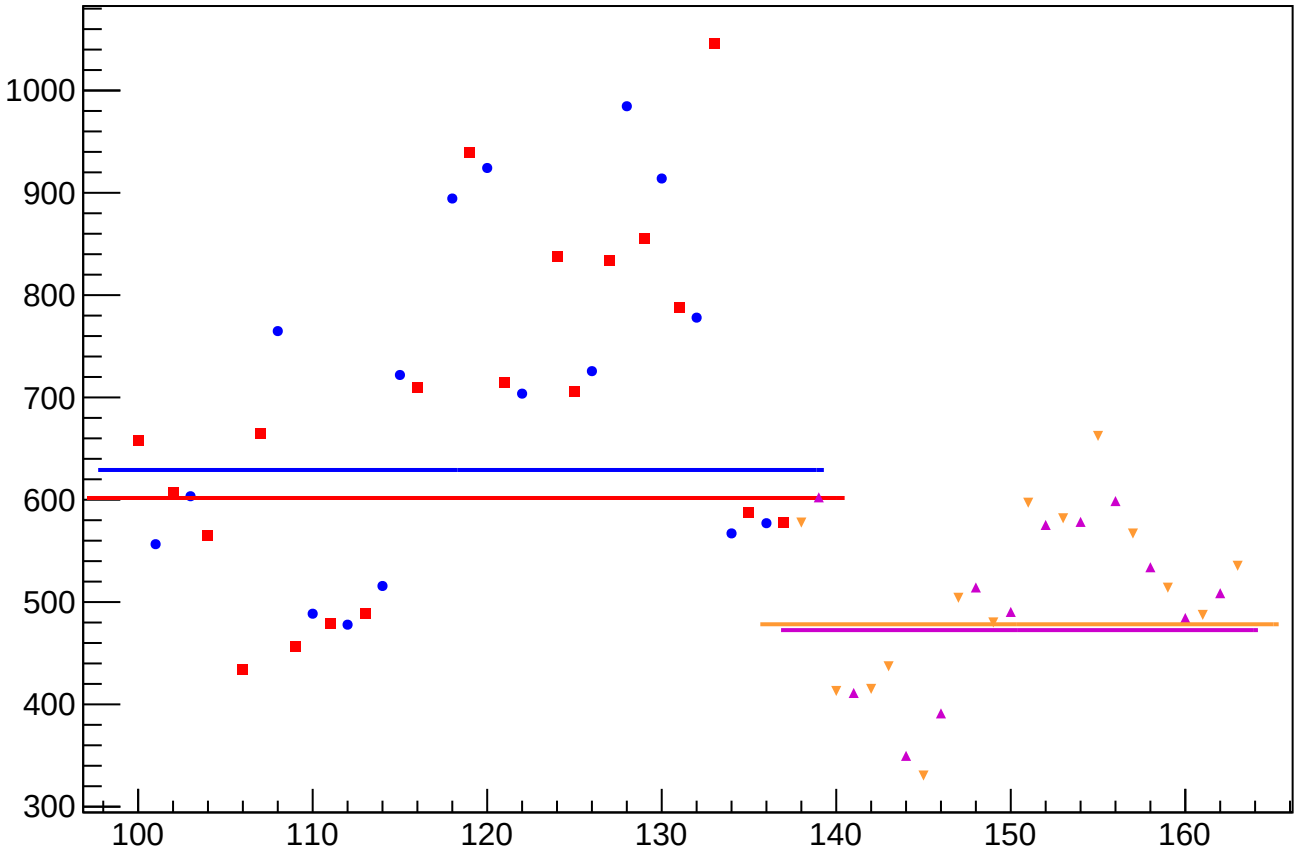
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 128.108+/-149.679 χ^2/NDF:7.1/11

\+ sign 631.013+/-124.825 χ^2/NDF: 55.2/29

All: 441.663+/-88.414 χ^2/NDF: 82.5/60

\- sign 251.023+/-125.249 χ^2/NDF: 22.7/30



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

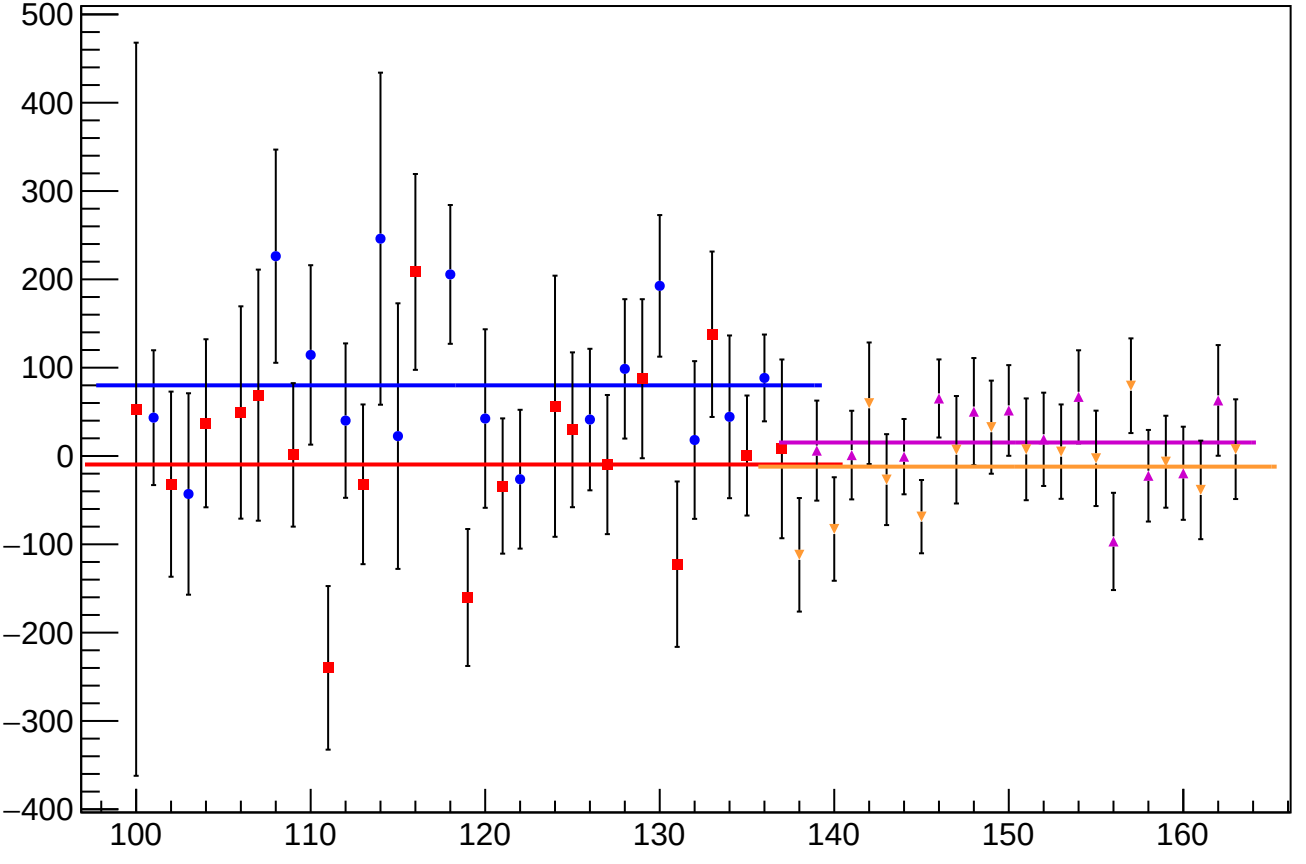
Left In: 472.580+/-0.106 χ^2/NDF:642912.0/11

+ sign 518.675+/-0.088 χ^2/NDF: 2024103.8/29

All: 514.997+/-0.063 χ^2/NDF: 3990863.9/60

- sign 511.295+/-0.089 χ^2/NDF: 1963276.3/30

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

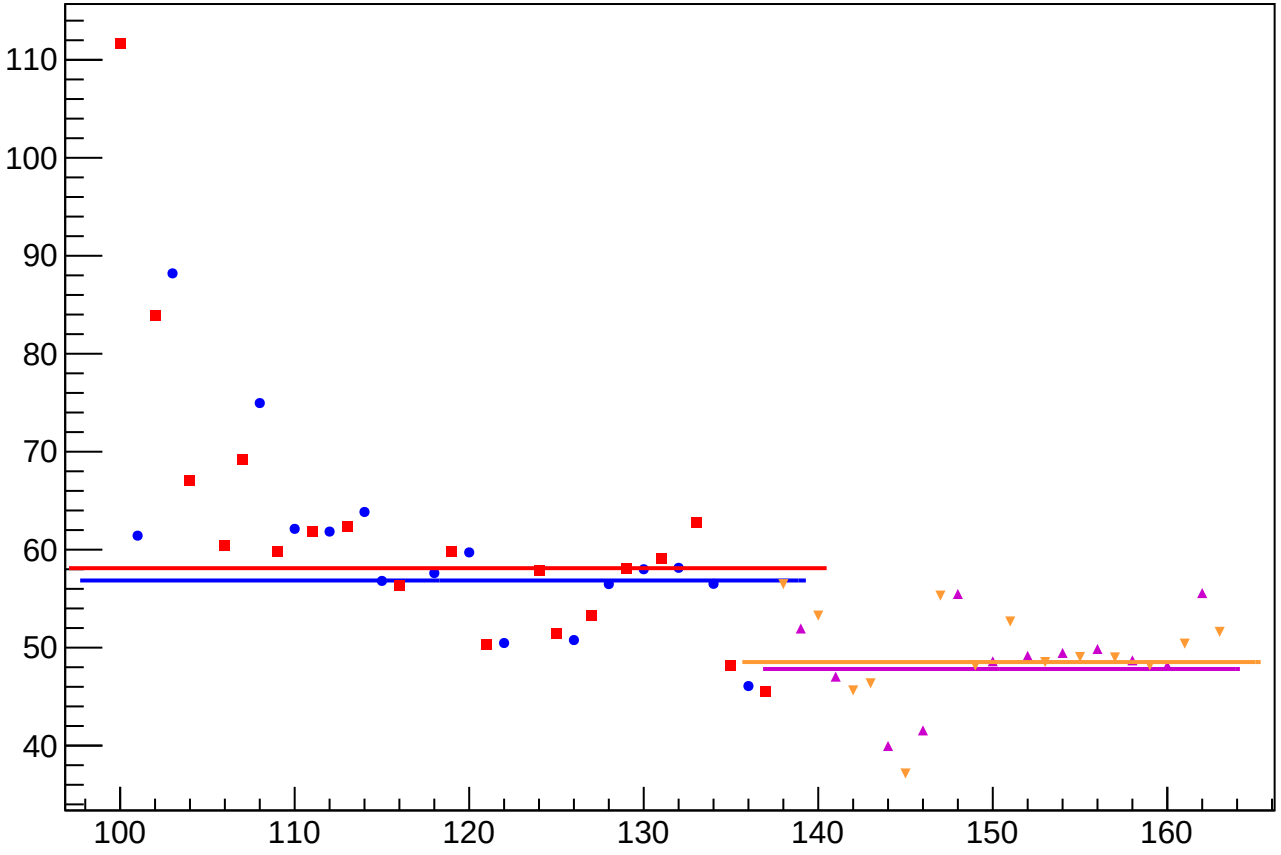
Left In: 15.267+/-14.981 χ^2/NDF:9.0/11

+ sign 17.097+/-12.085 χ^2/NDF: 35.3/29

All: 12.242+/-8.626 χ^2/NDF: 66.0/60

- sign 7.200+/-12.316 χ^2/NDF: 30.3/30

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

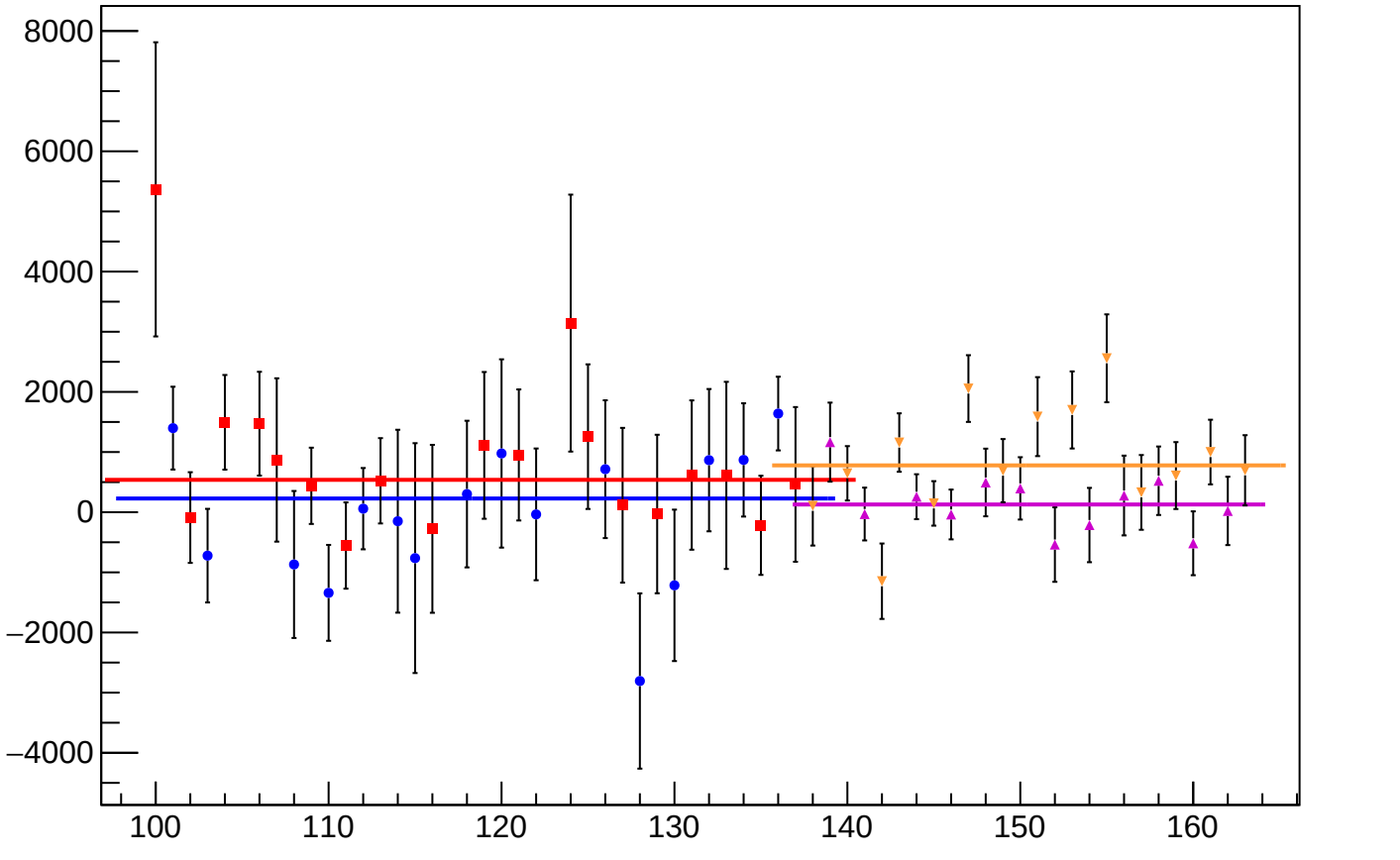
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

+ sign 51.165+/-0.009 χ^2/NDF: 792120.8/29

All: 51.161+/-0.006 χ^2/NDF: 1599786.2/60

- sign 51.156+/-0.009 χ^2/NDF: 807664.9/30



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 778.553+/-145.873 χ^2/NDF:29.8/13

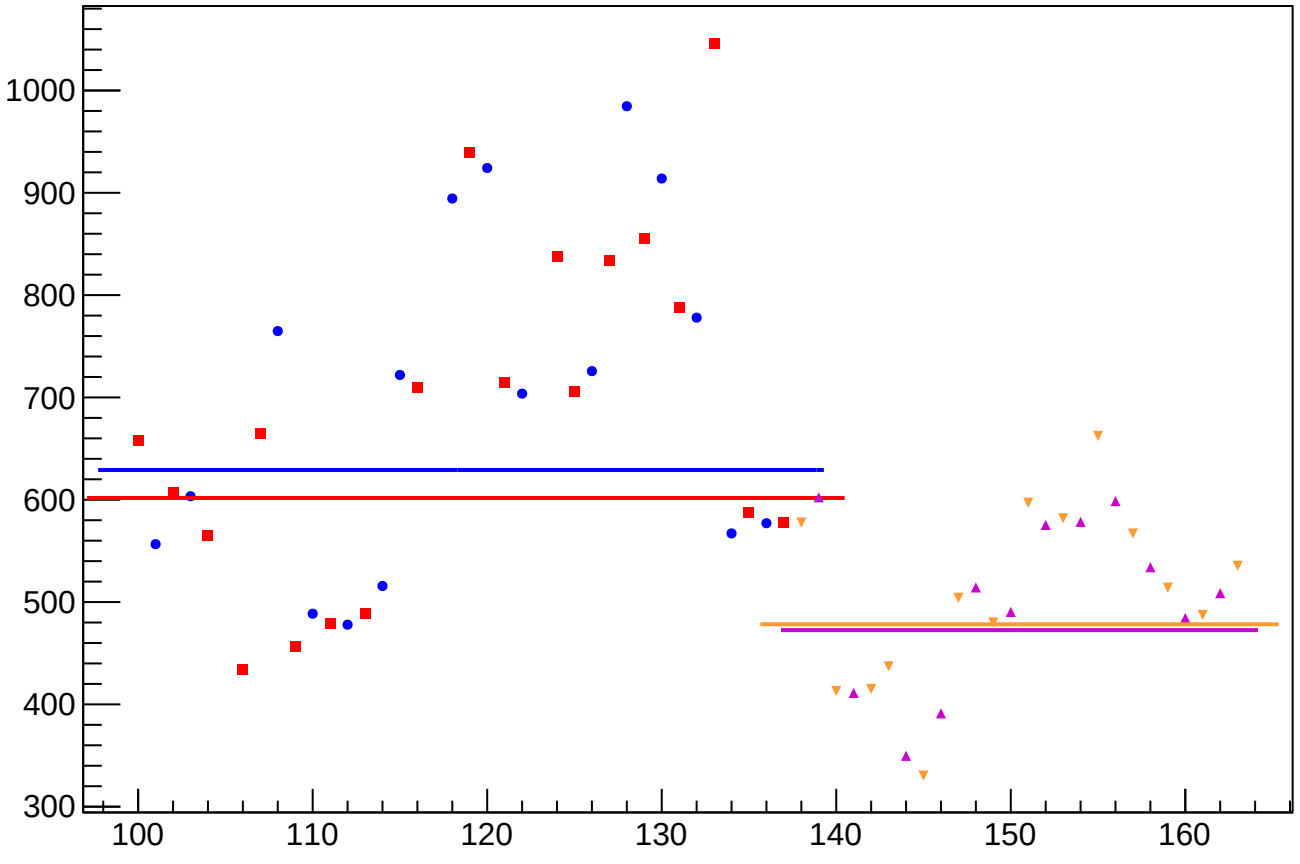
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: 128.108+/-149.679 χ^2/NDF:7.1/11

\+ sign 631.013+/-124.825 χ^2/NDF: 55.2/29

All: 441.663+/-88.414 χ^2/NDF: 82.5/60

\- sign 251.023+/-125.249 χ^2/NDF: 22.7/30



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

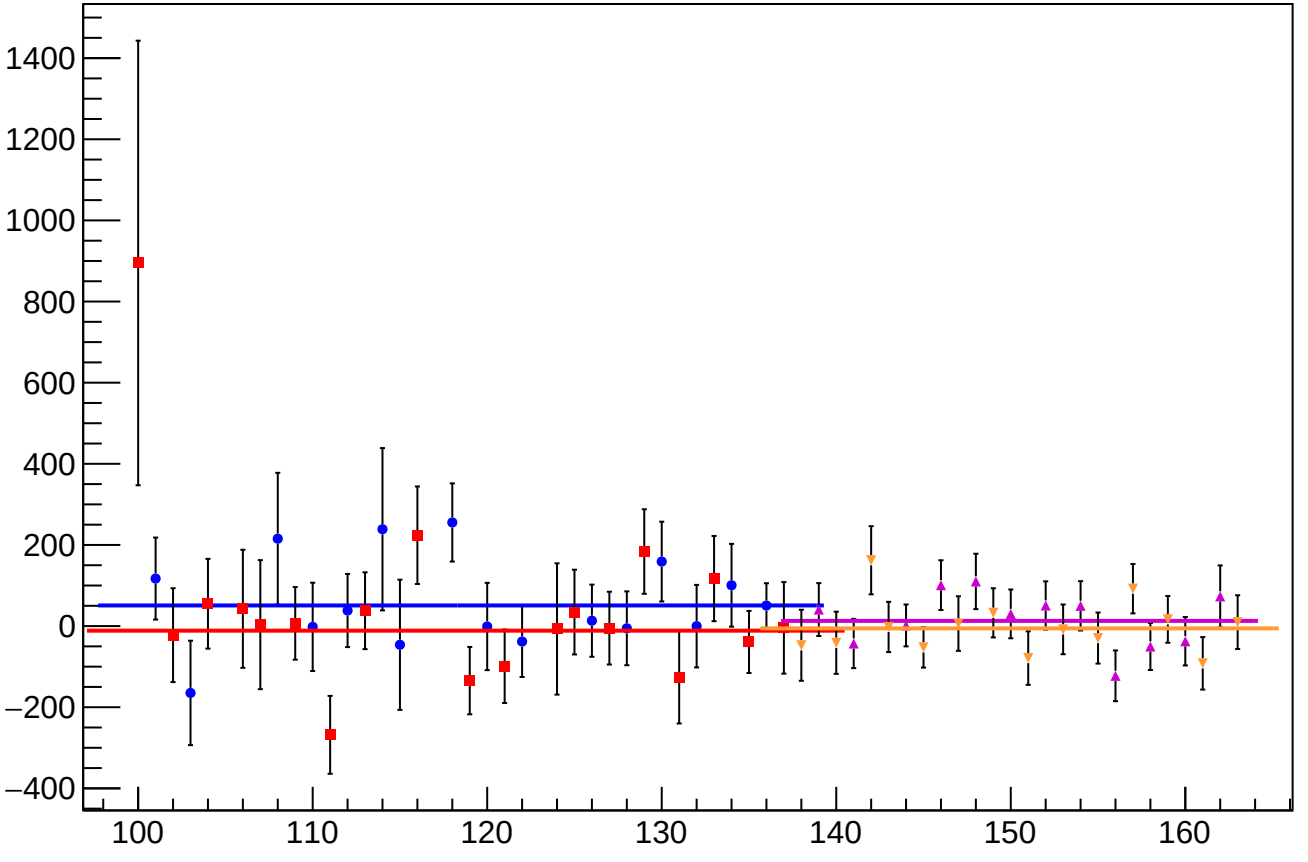
Left In: 472.580+/-0.106 χ^2/NDF:642912.0/11

+ sign 518.675+/-0.088 χ^2/NDF: 2024103.8/29

All: 514.997+/-0.063 χ^2/NDF: 3990863.9/60

- sign 511.295+/-0.089 χ^2/NDF: 1963276.3/30

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.652+/-17.185 χ^2/NDF:11.7/13

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

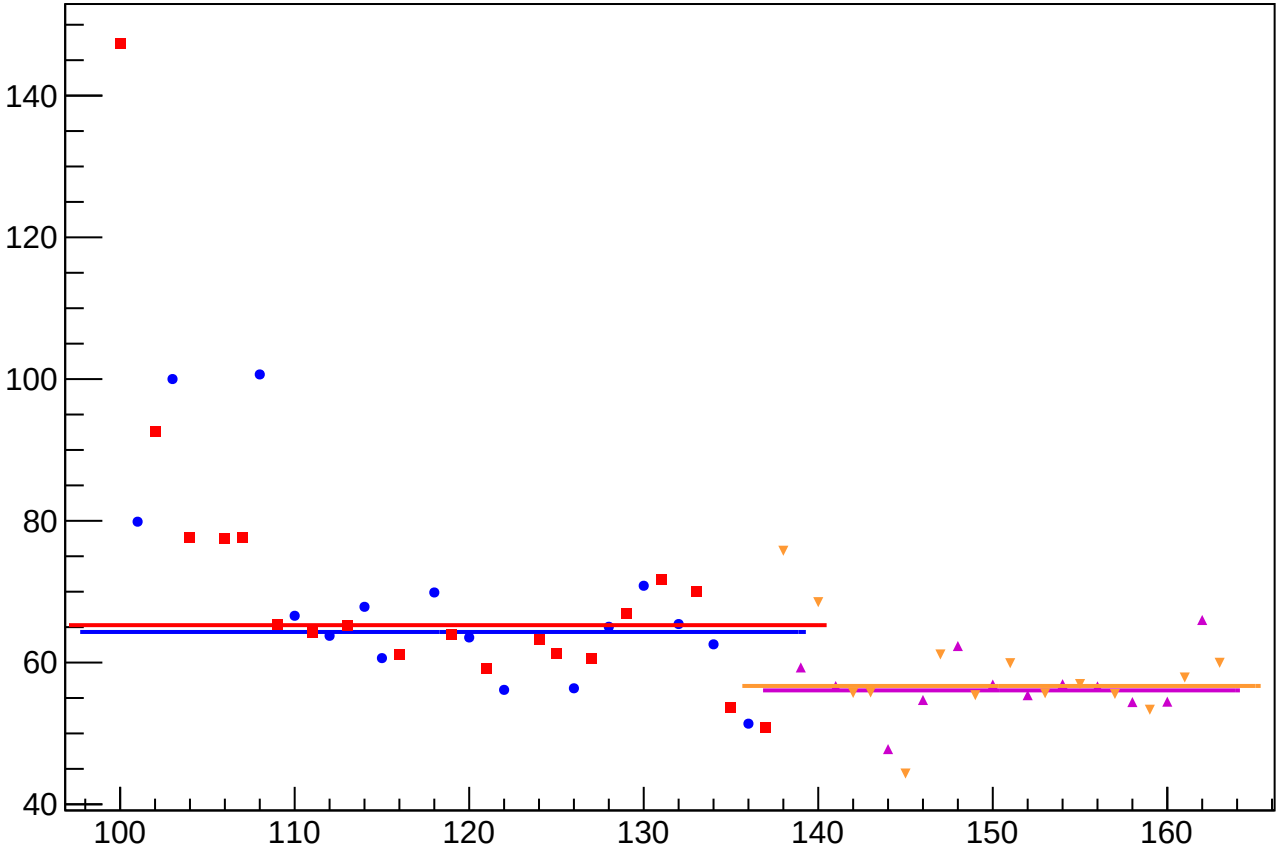
Left In: 12.808+/-17.681 χ^2/NDF:13.2/11

+ sign 12.991+/-14.067 χ^2/NDF: 29.1/29

All: 8.810+/-10.029 χ^2/NDF: 67.1/60

- sign 4.487+/-14.302 χ^2/NDF: 37.9/30

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.700+/-0.012 χ^2/NDF:294404.1/13

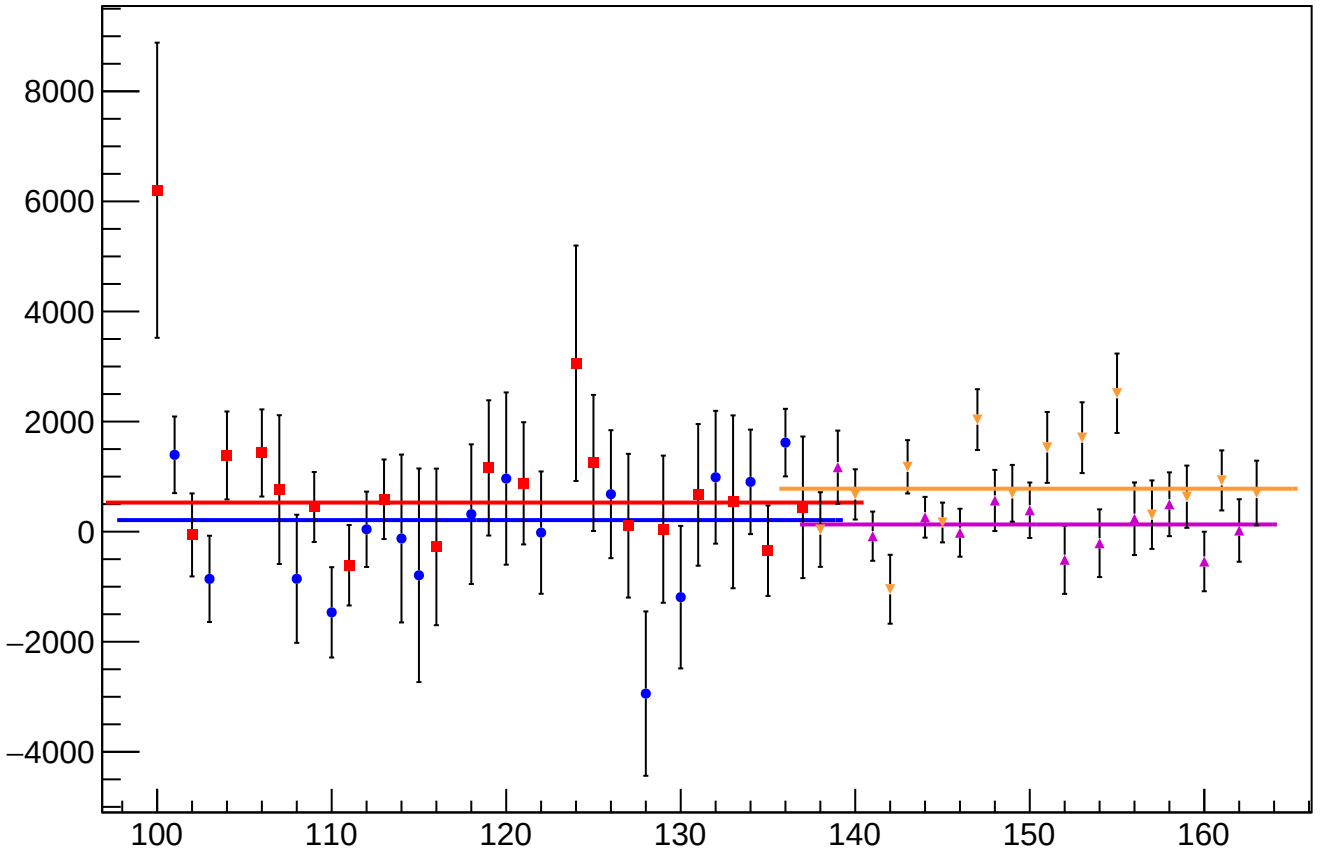
Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.075+/-0.013 χ^2/NDF:112666.0/11

+ sign 59.213+/-0.010 χ^2/NDF: 888978.5/29

All: 59.234+/-0.007 χ^2/NDF: 1508097.4/60

- sign 59.256+/-0.010 χ^2/NDF: 619109.5/30



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.605+/-145.551 χ^2/NDF:28.5/13

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

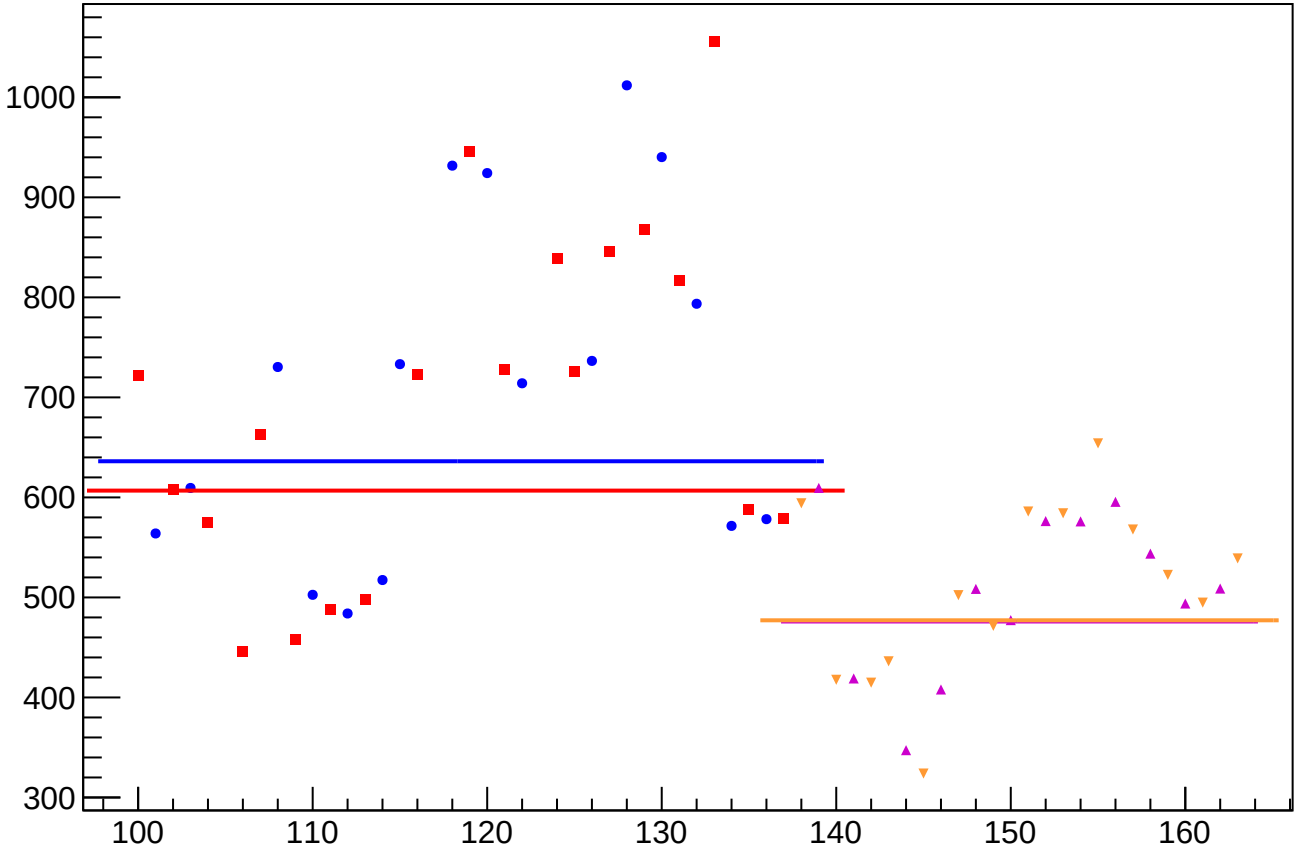
Left In: 130.805+/-150.709 χ^2/NDF:7.2/11

\+ sign 630.672+/-124.973 χ^2/NDF: 54.9/29

All: 442.175+/-88.732 χ^2/NDF: 82.6/60

\- sign 250.554+/-126.004 χ^2/NDF: 23.1/30

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 477.129+/-0.103 χ^2/NDF:803886.9/13

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

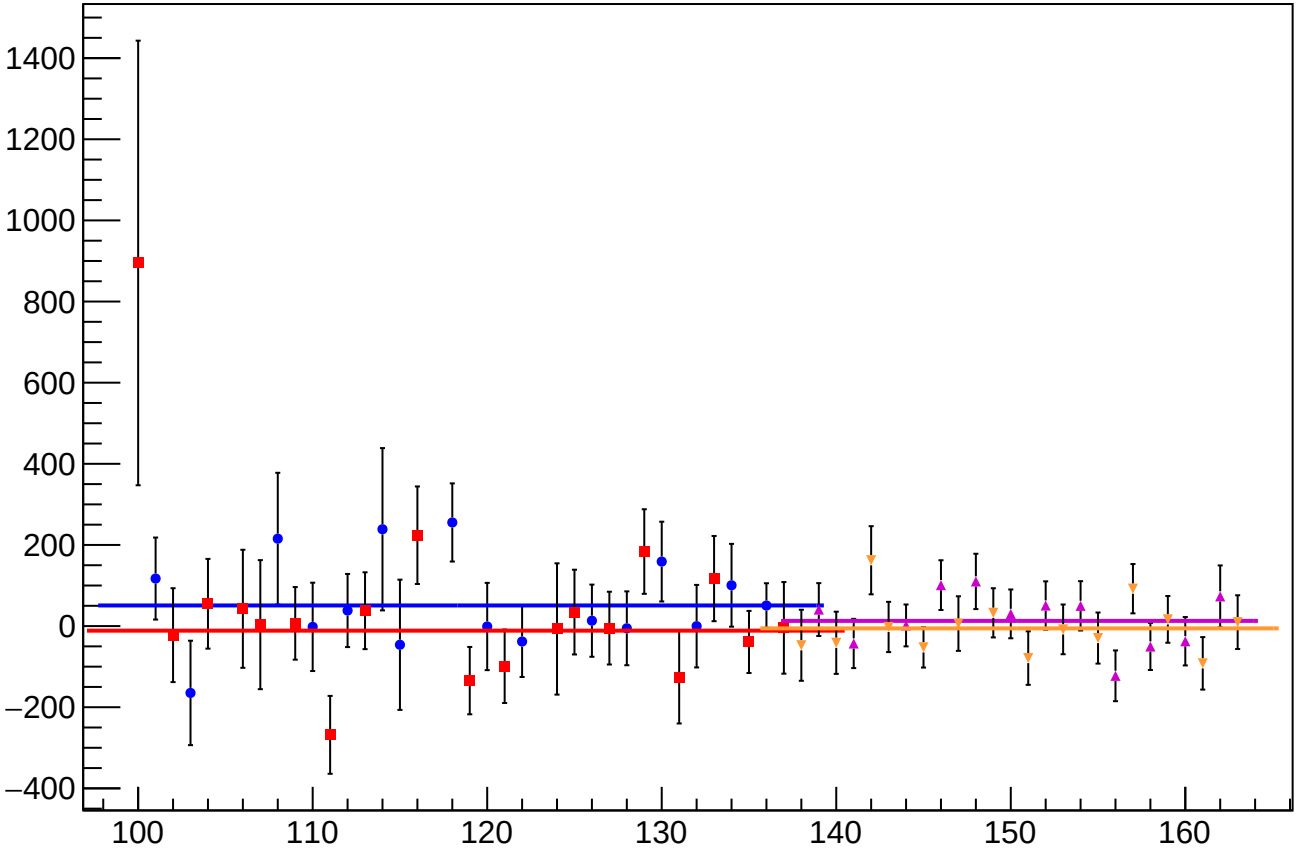
Left In: 475.931+/-0.107 χ^2/NDF:617353.1/11

+ sign 518.914+/-0.088 χ^2/NDF: 2136387.5/29

All: 517.132+/-0.063 χ^2/NDF: 4102351.6/60

- sign 515.320+/-0.089 χ^2/NDF: 1965144.2/30

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.653+/-17.185 χ^2/NDF:11.7/13

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

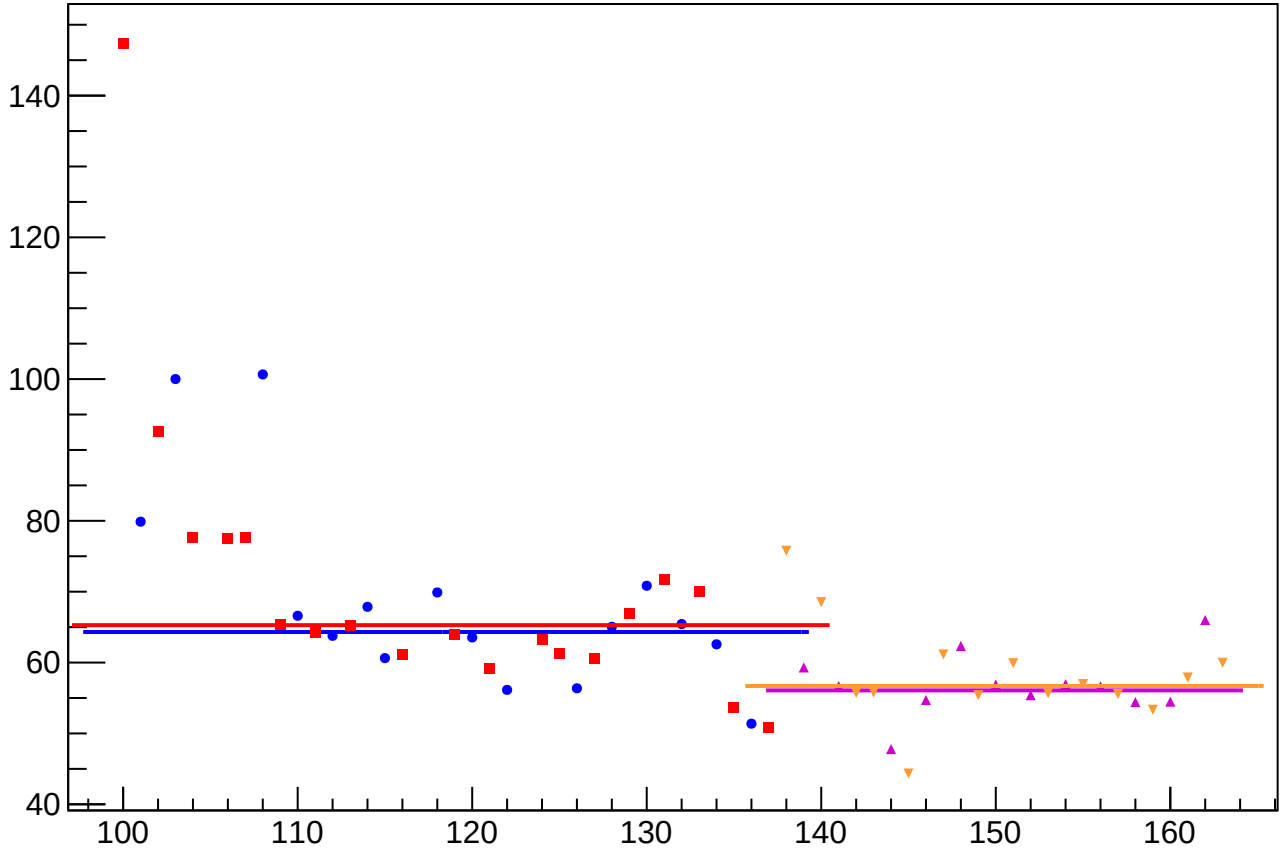
Left In: 12.808+/-17.681 χ^2/NDF:13.2/11

+ sign 12.990+/-14.067 χ^2/NDF: 29.1/29

All: 8.809+/-10.029 χ^2/NDF: 67.1/60

- sign 4.487+/-14.302 χ^2/NDF: 37.9/30

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.700+/-0.012 χ^2/NDF:294390.5/13

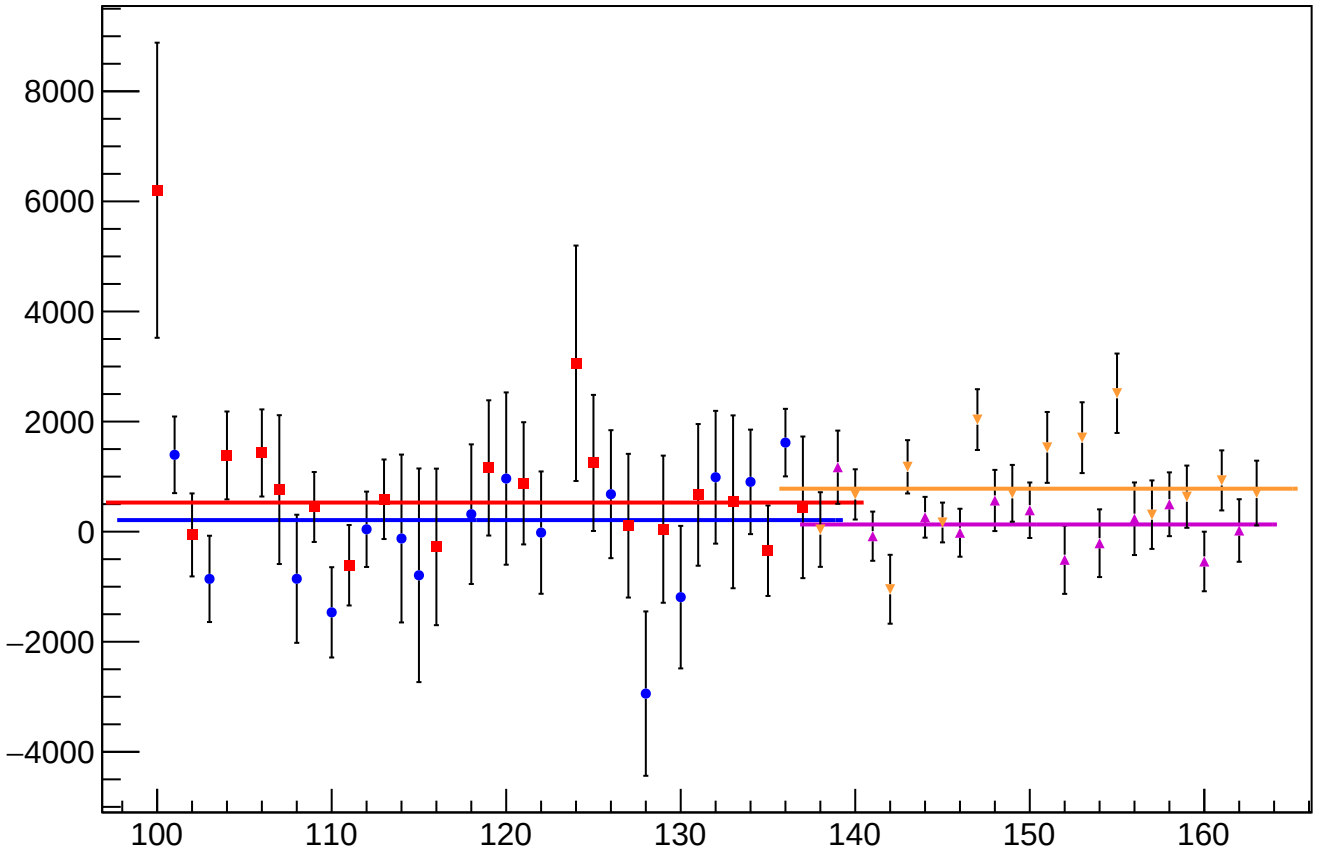
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.075+/-0.013 χ^2/NDF:112663.5/11

+ sign 59.213+/-0.010 χ^2/NDF: 888955.0/29

All: 59.234+/-0.007 χ^2/NDF: 1508065.0/60

- sign 59.256+/-0.010 χ^2/NDF: 619100.6/30



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.603+/-145.551 χ^2/NDF:28.5/13

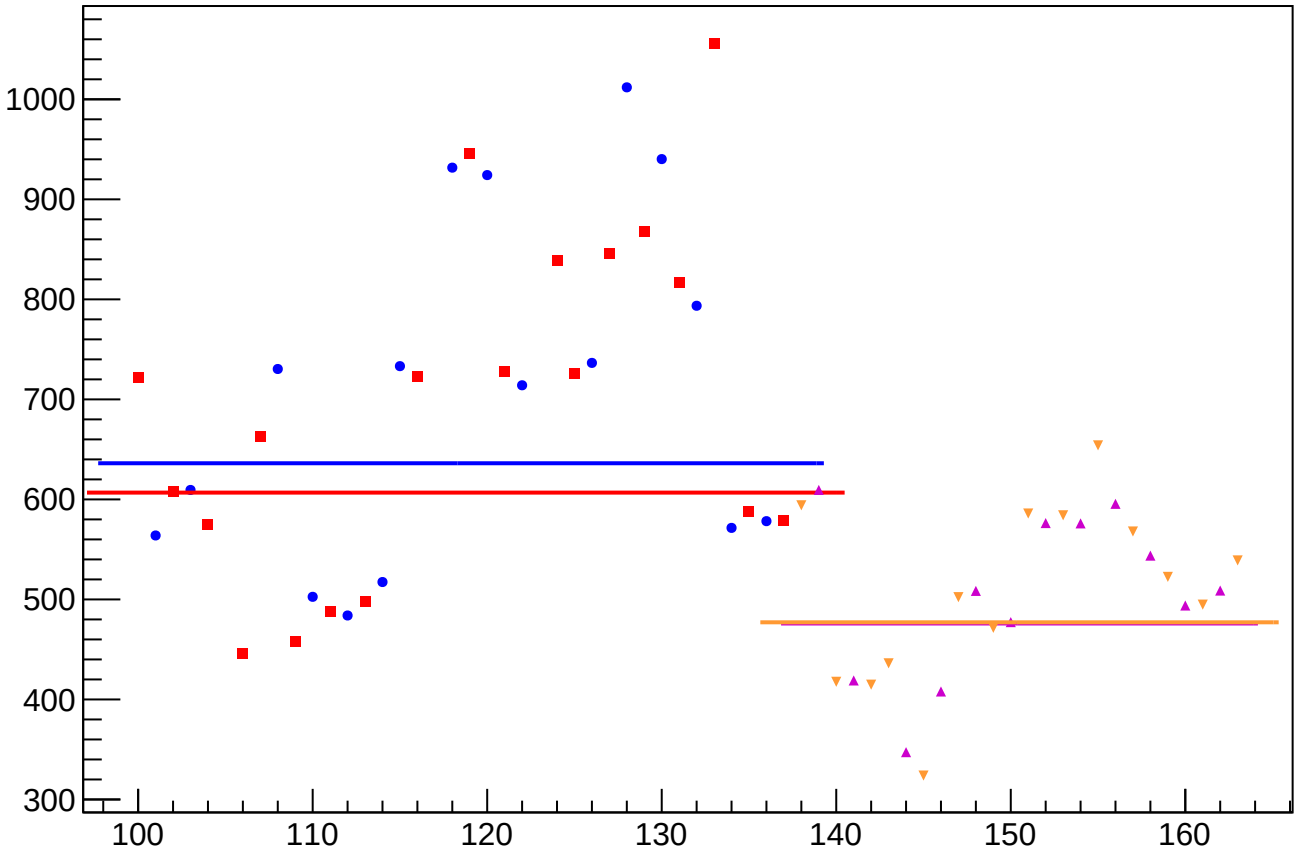
Right Out: 528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: 130.805+/-150.709 χ^2/NDF:7.2/11

+ sign 630.670+/-124.973 χ^2/NDF: 54.9/29

All: 442.173+/-88.732 χ^2/NDF: 82.6/60

- sign 250.553+/-126.004 χ^2/NDF: 23.1/30



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 477.128+/-0.103 χ^2/NDF:803894.2/13

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

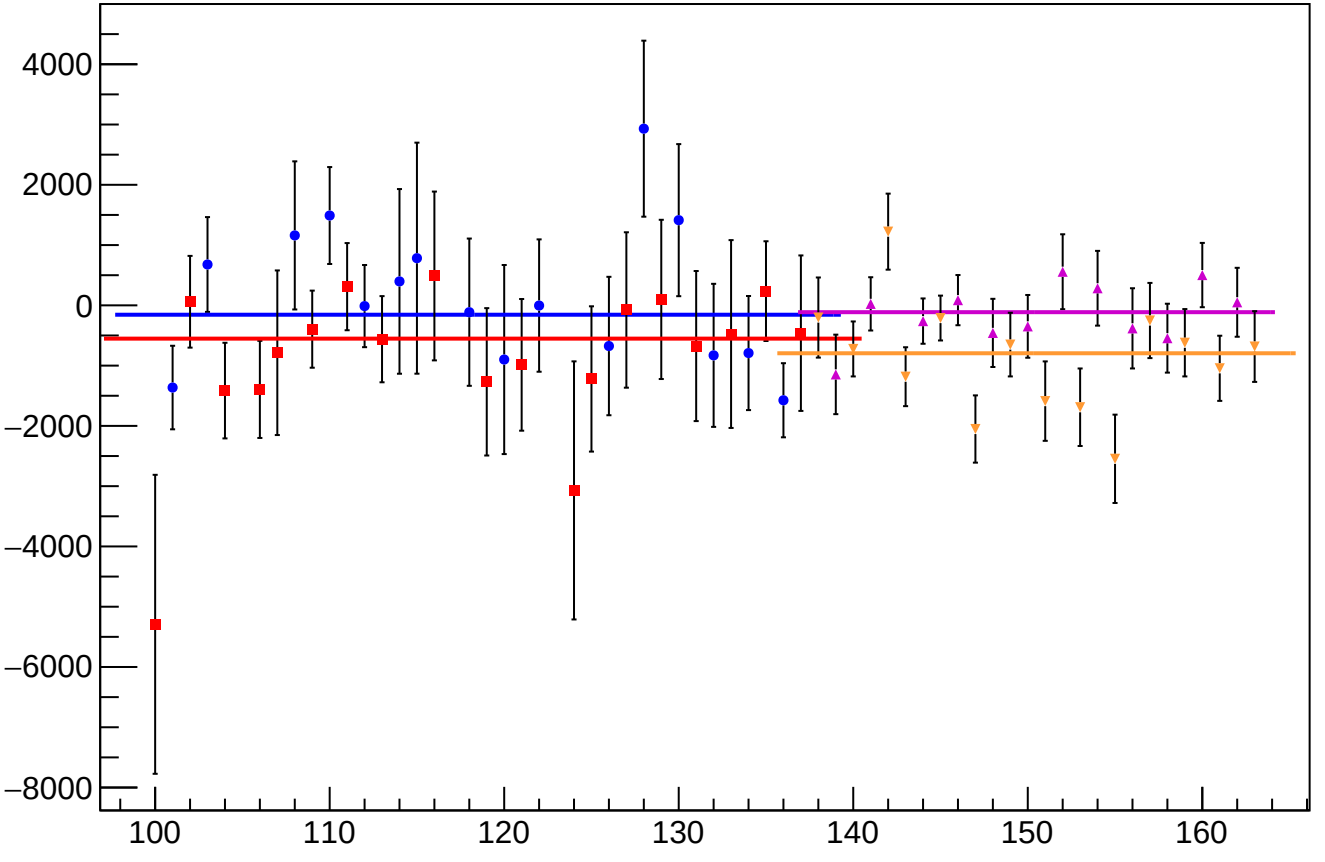
Left In: 475.931+/-0.107 χ^2/NDF:617353.8/11

+ sign 518.913+/-0.088 χ^2/NDF: 2136401.4/29

All: 517.131+/-0.063 χ^2/NDF: 4102369.2/60

- sign 515.320+/-0.089 χ^2/NDF: 1965147.9/30

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -794.999+/-146.678 χ^2/NDF:29.5/13

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

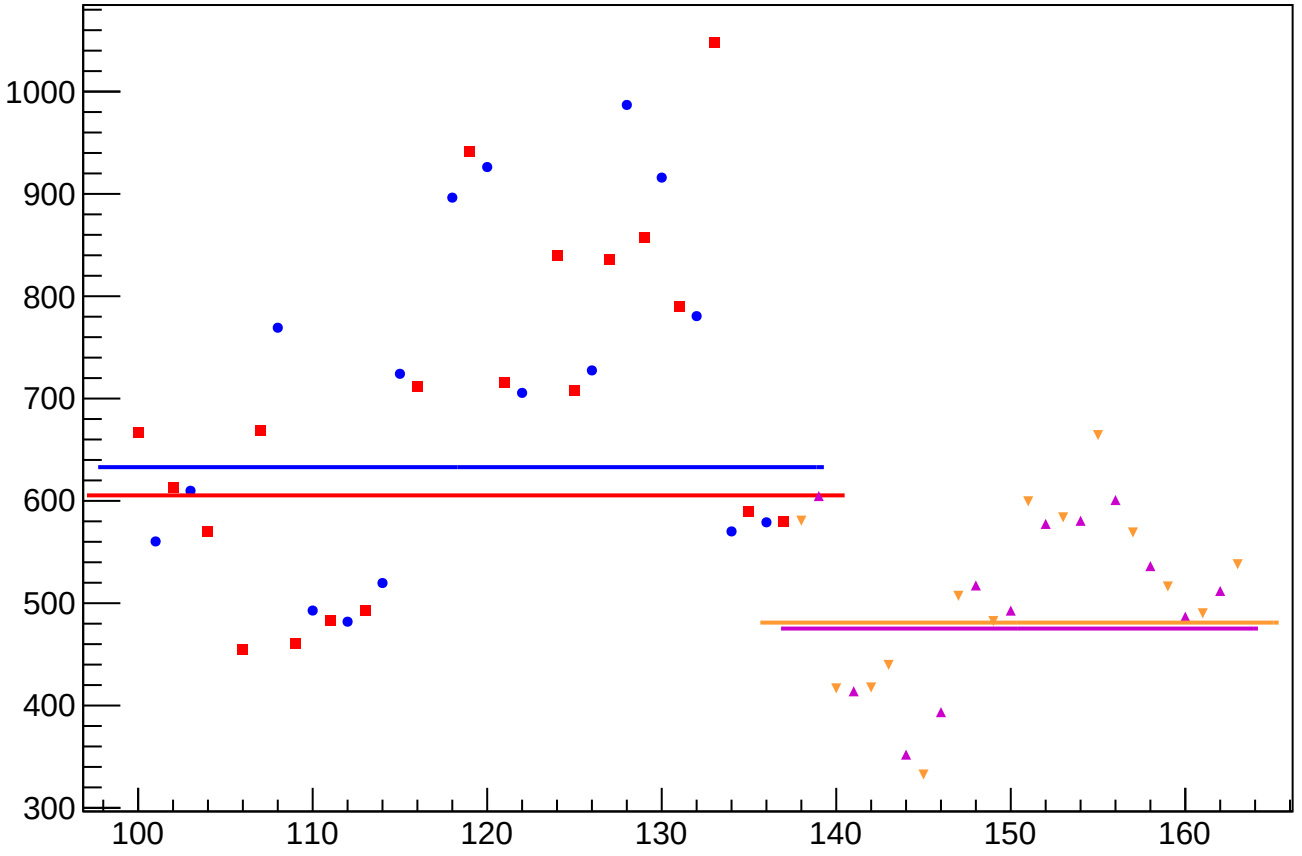
Left In: -113.341+/-150.488 χ^2/NDF:7.2/11

+ sign -623.843+/-125.519 χ^2/NDF: 57.1/29

All: -435.153+/-88.835 χ^2/NDF: 83.5/60

- sign -245.784+/-125.745 χ^2/NDF: 21.9/30

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 481.048+/-0.104 χ^2/NDF:750284.7/13

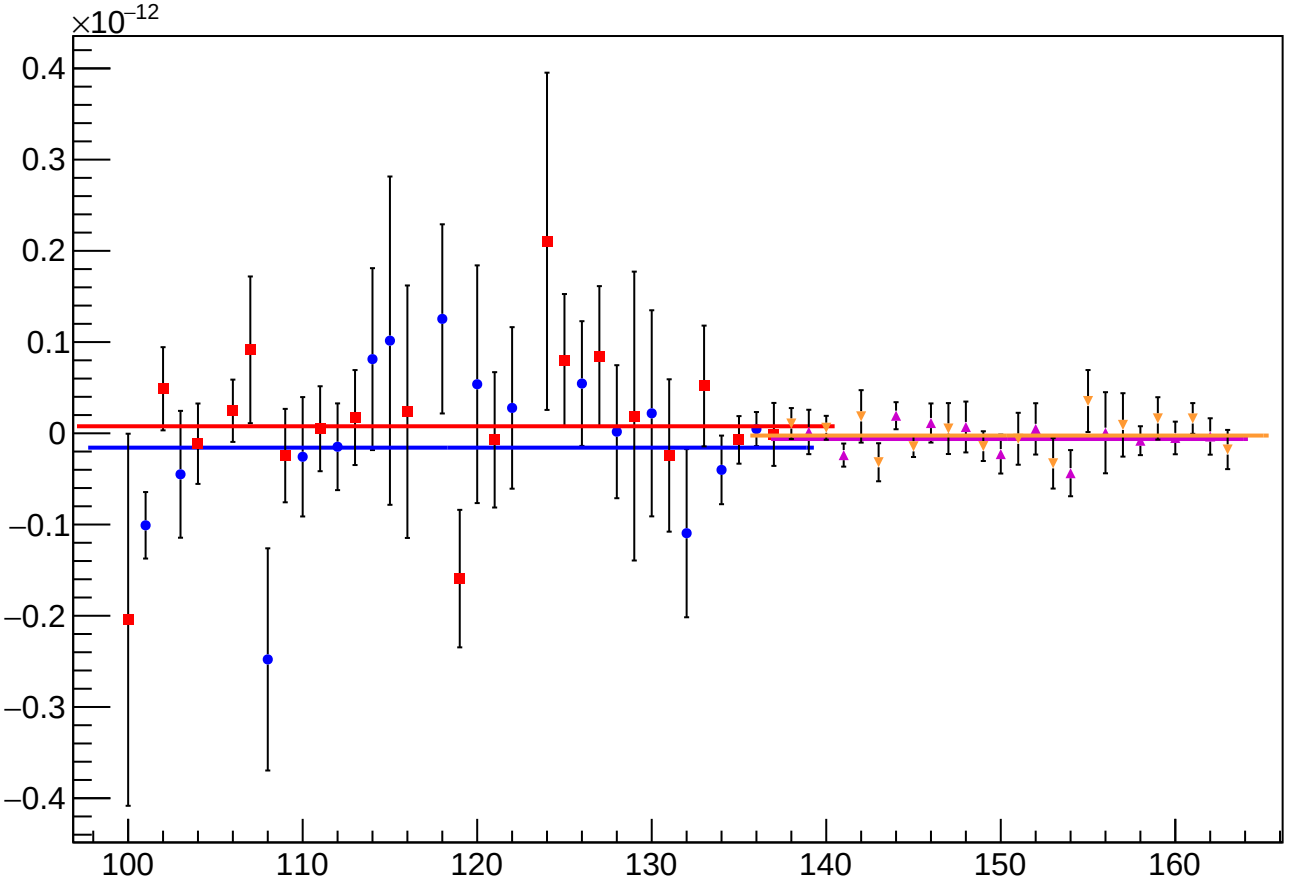
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 475.229+/-0.106 χ^2/NDF:635821.1/11

+ sign 521.717+/-0.089 χ^2/NDF: 2005768.0/29

All: 518.119+/-0.063 χ^2/NDF: 3950320.3/60

- sign 514.507+/-0.089 χ^2/NDF: 1941258.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

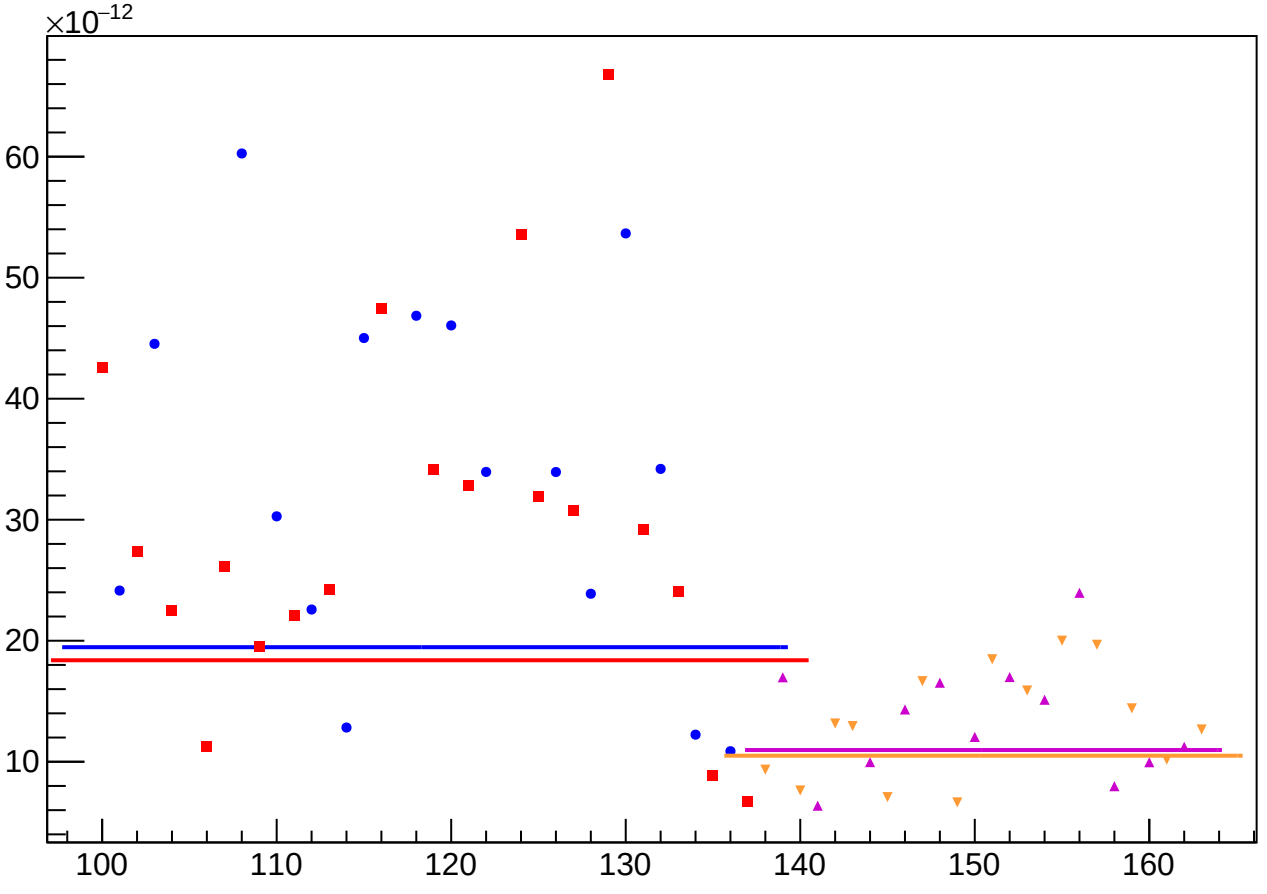
Left In: -0.000+/-0.000 χ^2/NDF:8.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/29

All: -0.000+/-0.000 χ^2/NDF: 50.9/60

- sign -0.000+/-0.000 χ^2/NDF: 23.0/30

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136397.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

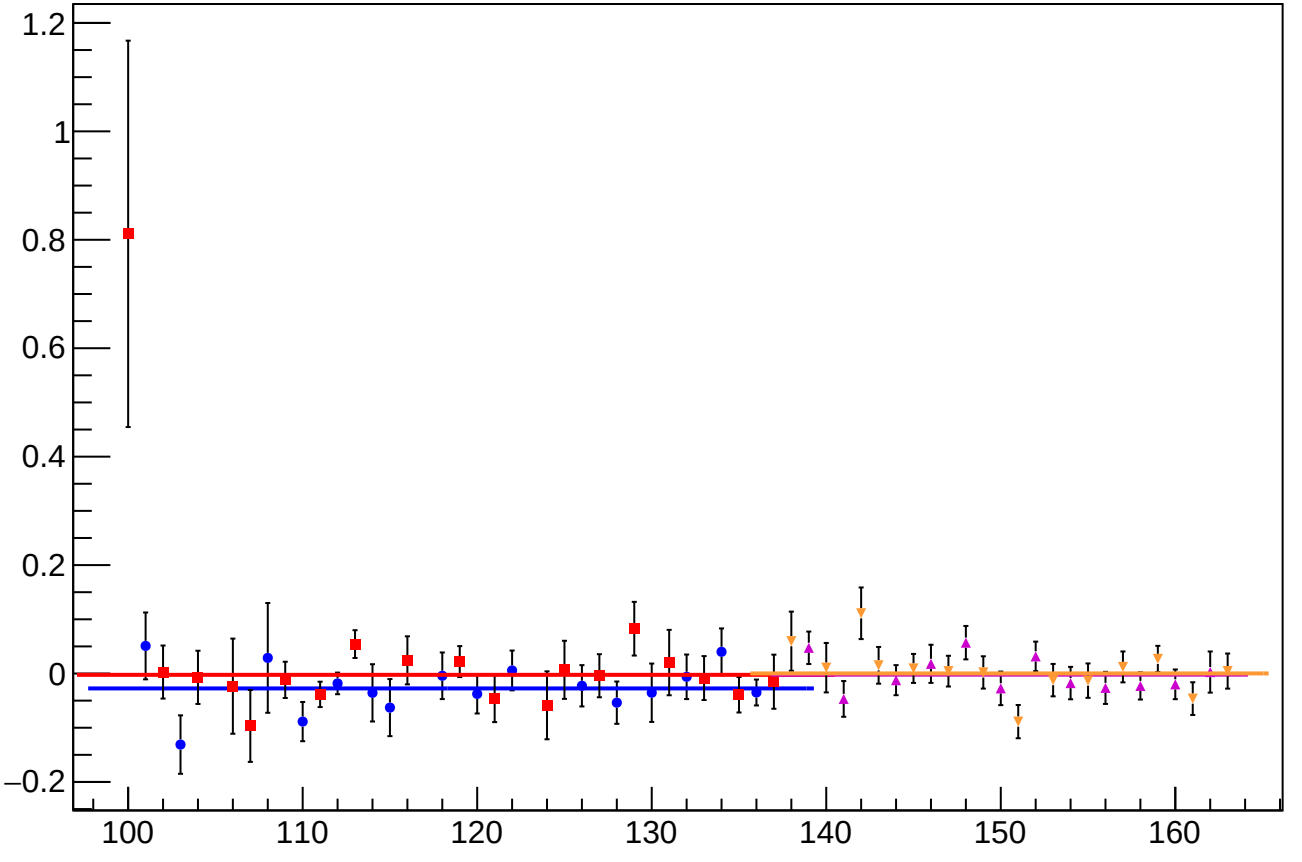
Left In: 0.000+/-0.000 χ^2/NDF:923636.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 3736101.9/29

All: 0.000+/-0.000 χ^2/NDF: 6725343.6/60

- sign 0.000+/-0.000 χ^2/NDF: 2979646.7/30

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+/-0.008 χ^2/NDF:19.6/13

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

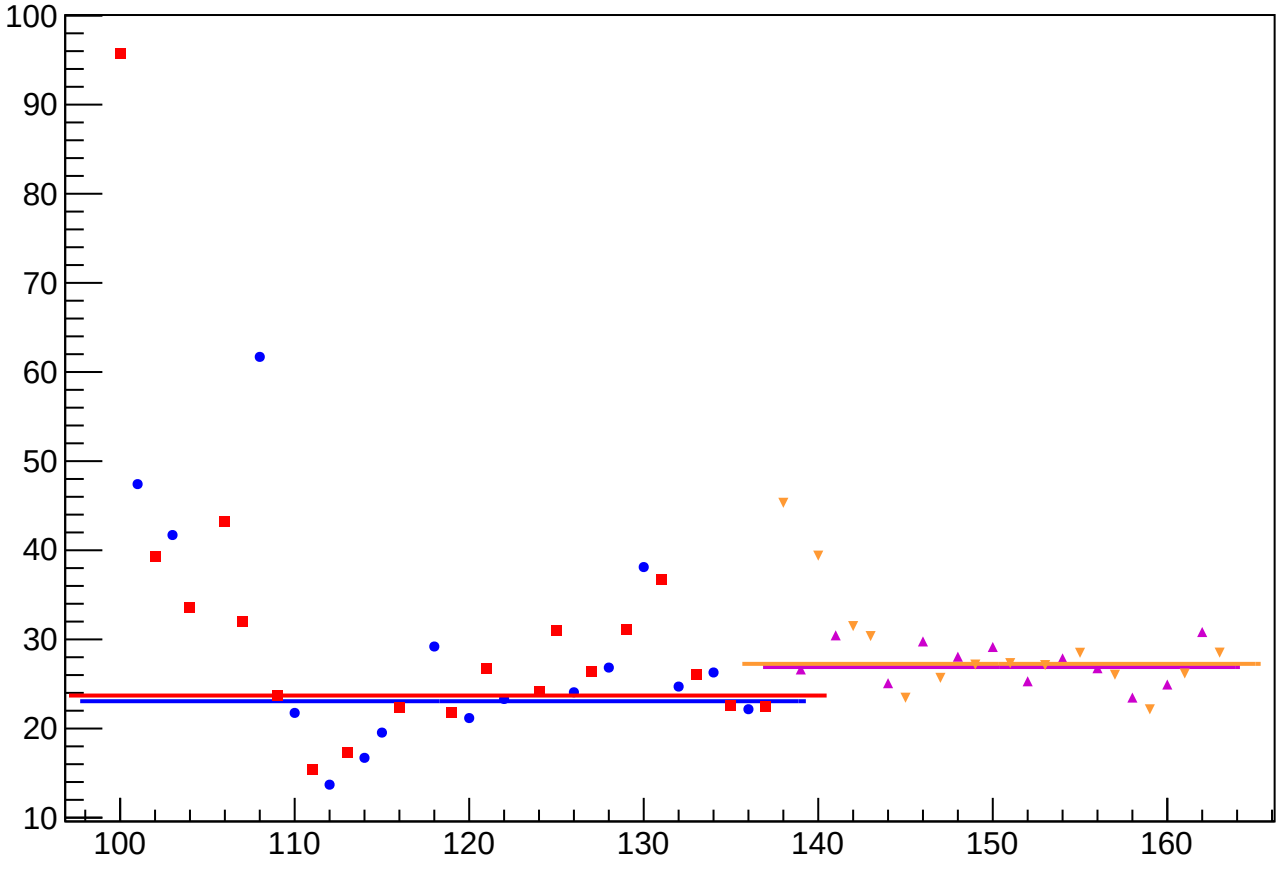
Left In: -0.002+/-0.009 χ^2/NDF:13.0/11

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.007+/-0.004 χ^2/NDF: 74.4/60

- sign -0.002+/-0.006 χ^2/NDF: 35.1/30

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: 27.257+/-0.006 χ^2/NDF:543087.1/13

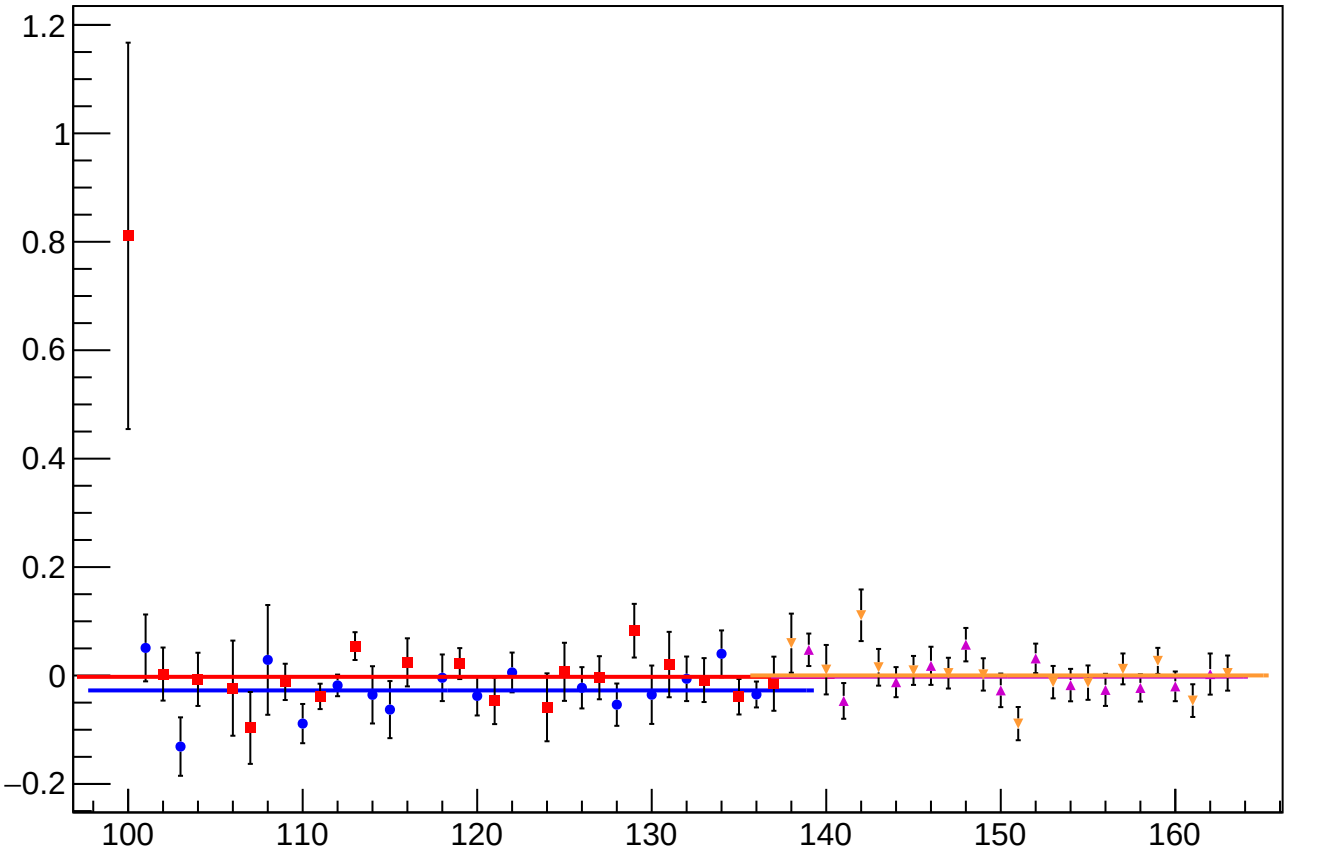
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.901+/-0.006 χ^2/NDF:136586.5/11

+ sign 25.389+/-0.004 χ^2/NDF: 2328221.8/29

All: 25.405+/-0.003 χ^2/NDF: 3680681.7/60

- sign 25.421+/-0.004 χ^2/NDF: 1352433.1/30



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

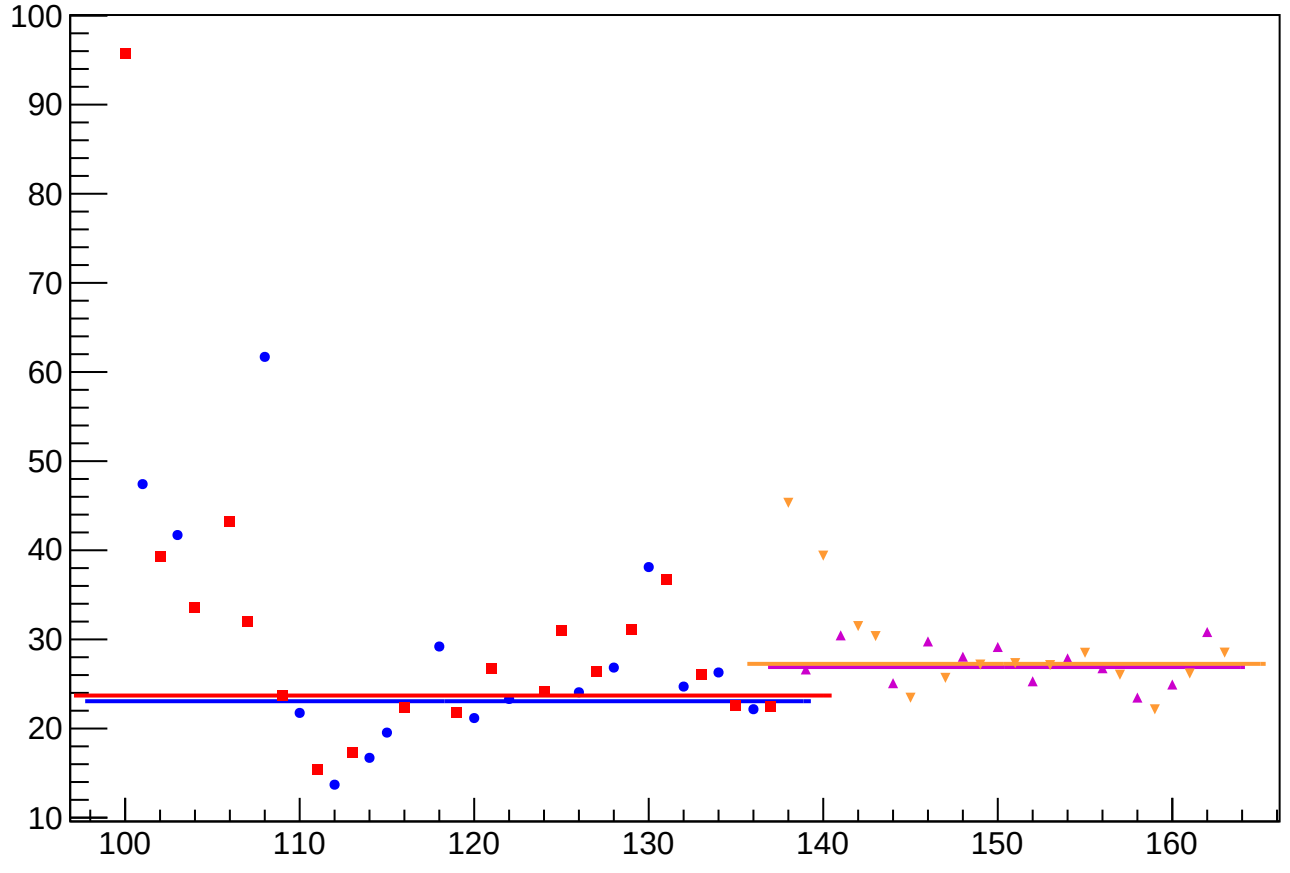
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/11

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.007+/-0.004 χ^2/NDF: 74.4/60

- sign -0.002+/-0.006 χ^2/NDF: 35.1/30



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.257+/-0.006 χ^2/NDF:543087.1/13

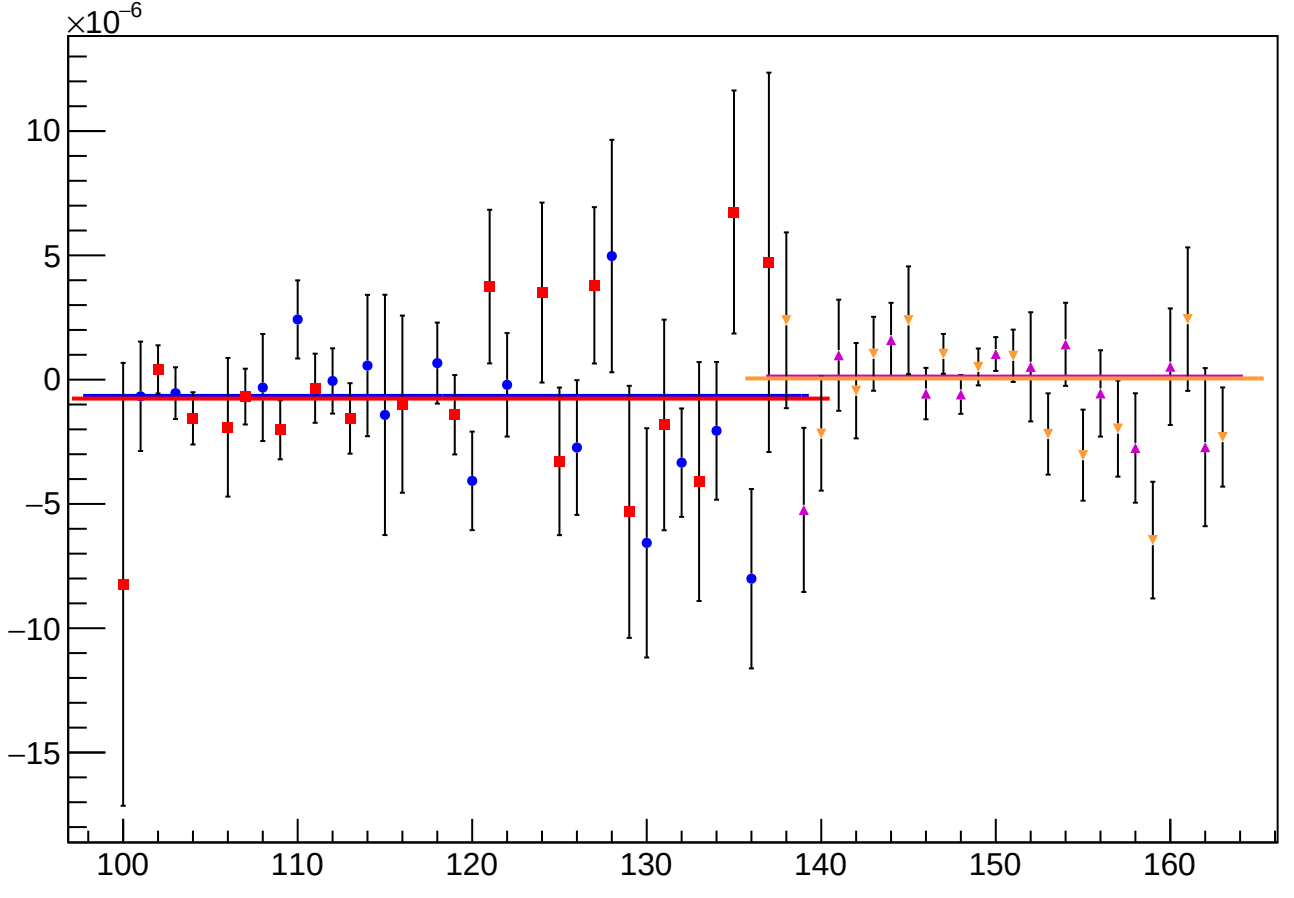
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.901+/-0.006 χ^2/NDF:136586.5/11

+ sign 25.389+/-0.004 χ^2/NDF: 2328221.8/29

All: 25.405+/-0.003 χ^2/NDF: 3680681.7/60

- sign 25.421+/-0.004 χ^2/NDF: 1352433.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

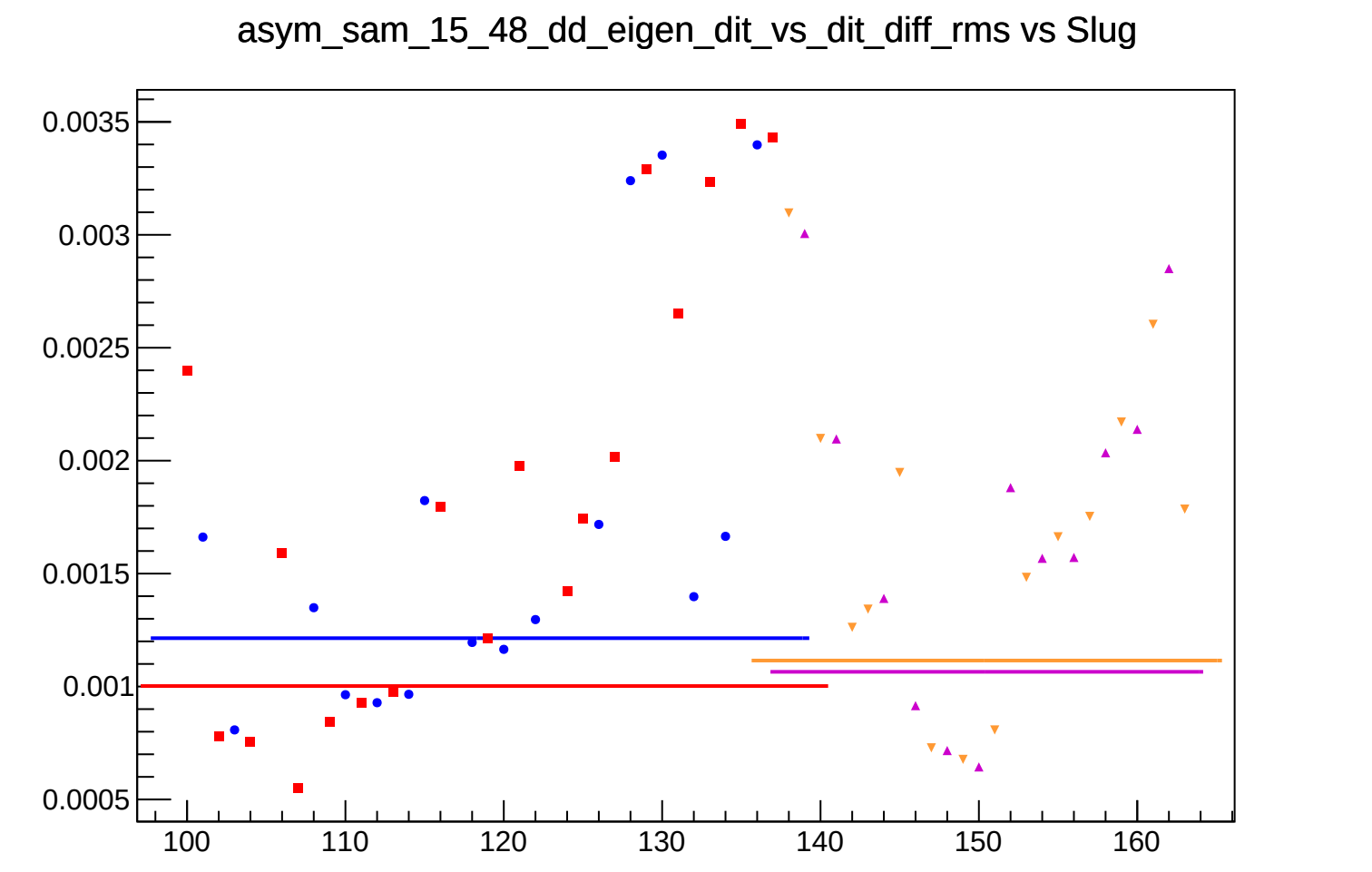
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: -0.000+/-0.000 χ^2/NDF: 67.9/60

- sign -0.000+/-0.000 χ^2/NDF: 27.7/30



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4342908.0/13

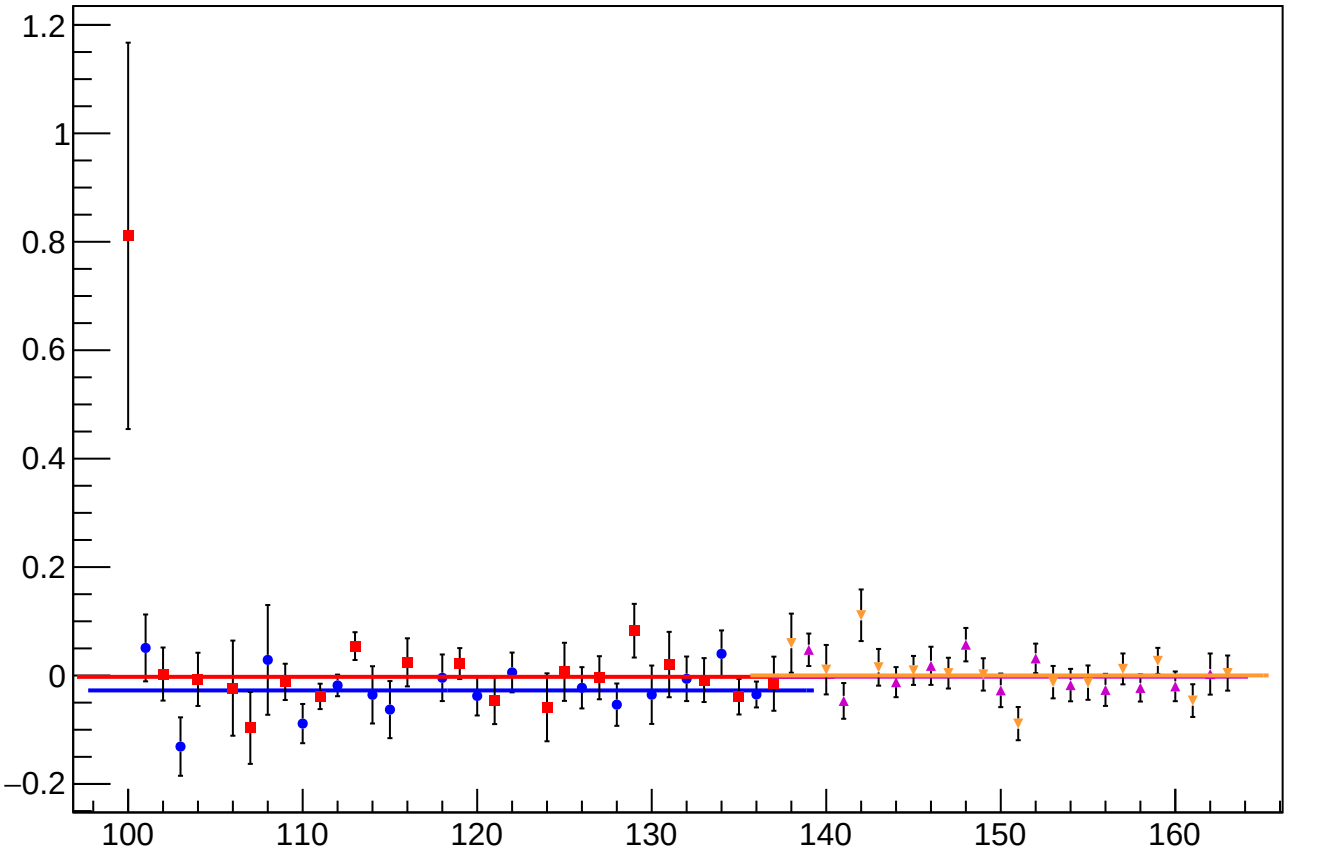
Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4480522.9/11

+ sign 0.001+/-0.000 χ^2/NDF: 6660197.4/29

All: 0.001+/-0.000 χ^2/NDF: 14596590.2/60

- sign 0.001+/-0.000 χ^2/NDF: 7782386.1/30



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

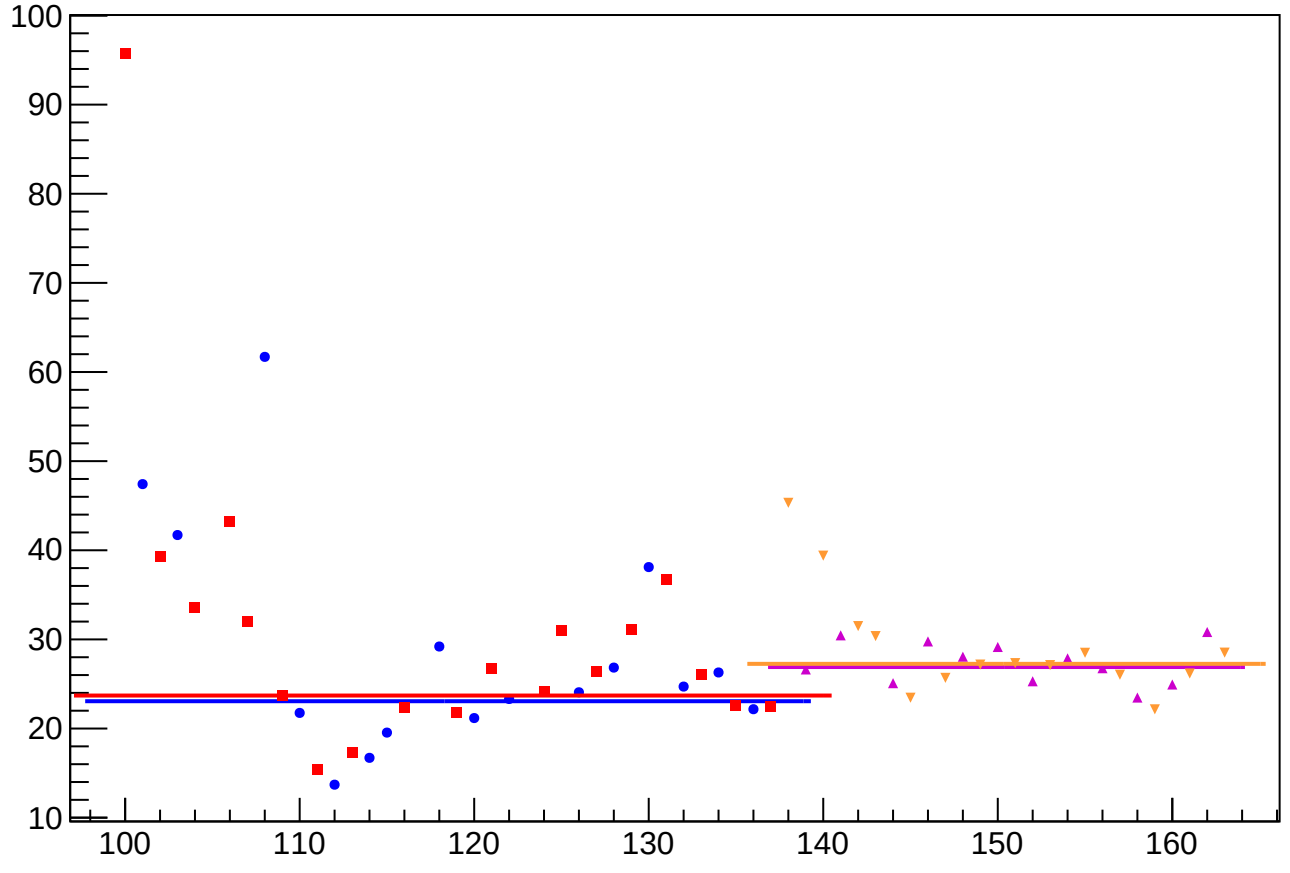
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/11

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.007+/-0.004 χ^2/NDF: 74.4/60

- sign -0.002+/-0.006 χ^2/NDF: 35.1/30



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

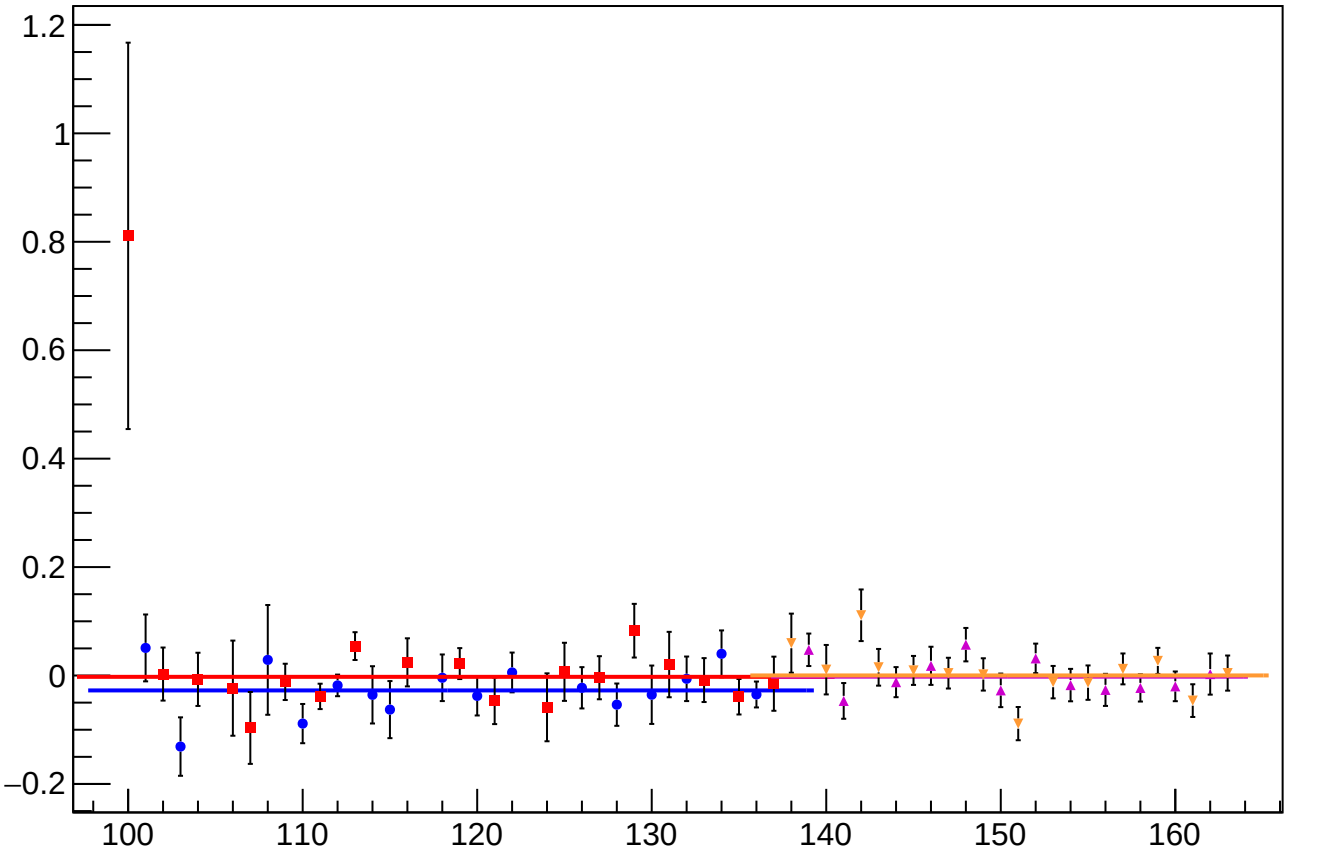
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.901+/-0.006 χ^2/NDF:136582.2/11

+ sign 25.389+/-0.004 χ^2/NDF: 2328251.4/29

All: 25.405+/-0.003 χ^2/NDF: 3680785.3/60

- sign 25.421+/-0.004 χ^2/NDF: 1352507.1/30



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

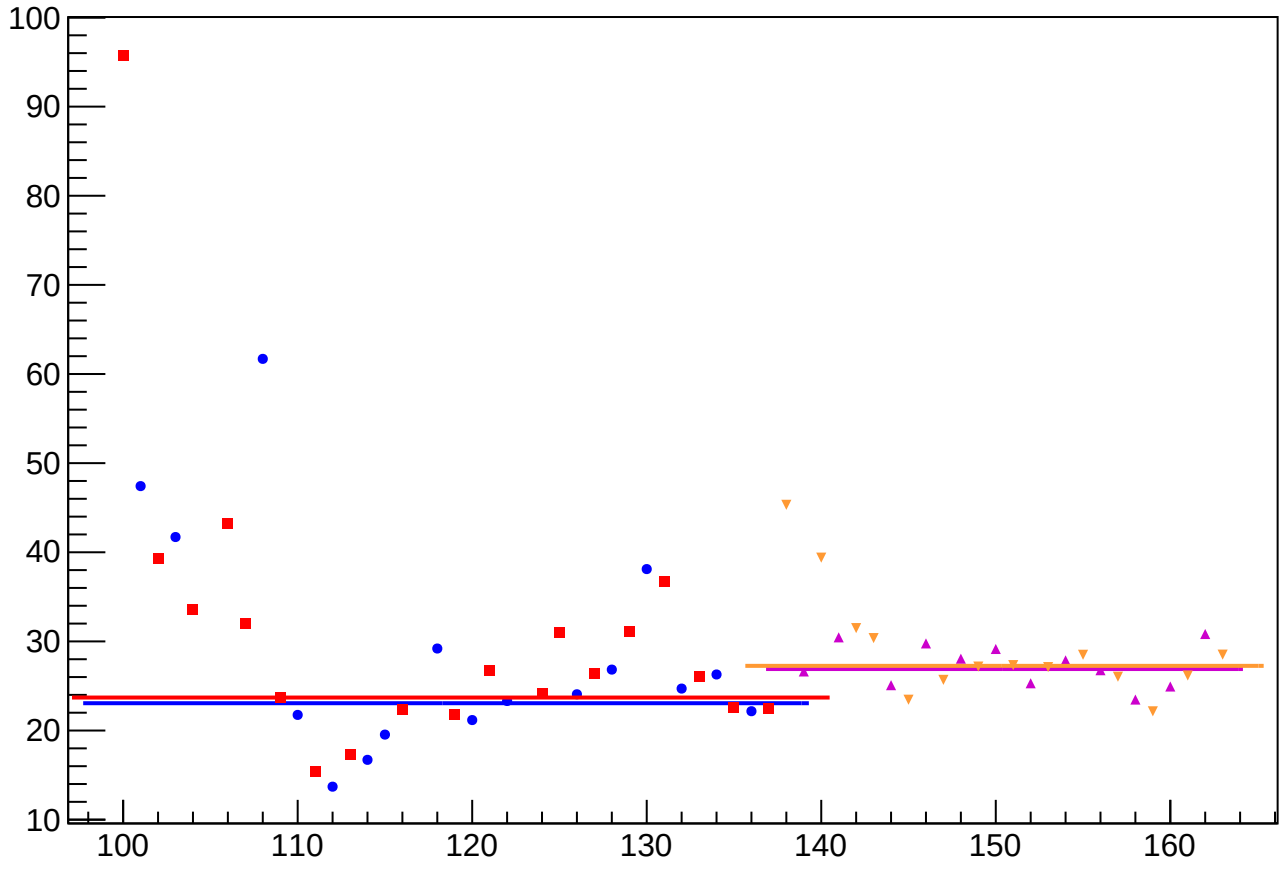
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.009 χ^2/NDF:13.0/11

+ sign -0.012+/-0.006 χ^2/NDF: 38.0/29

All: -0.007+/-0.004 χ^2/NDF: 74.4/60

- sign -0.002+/-0.006 χ^2/NDF: 35.1/30



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

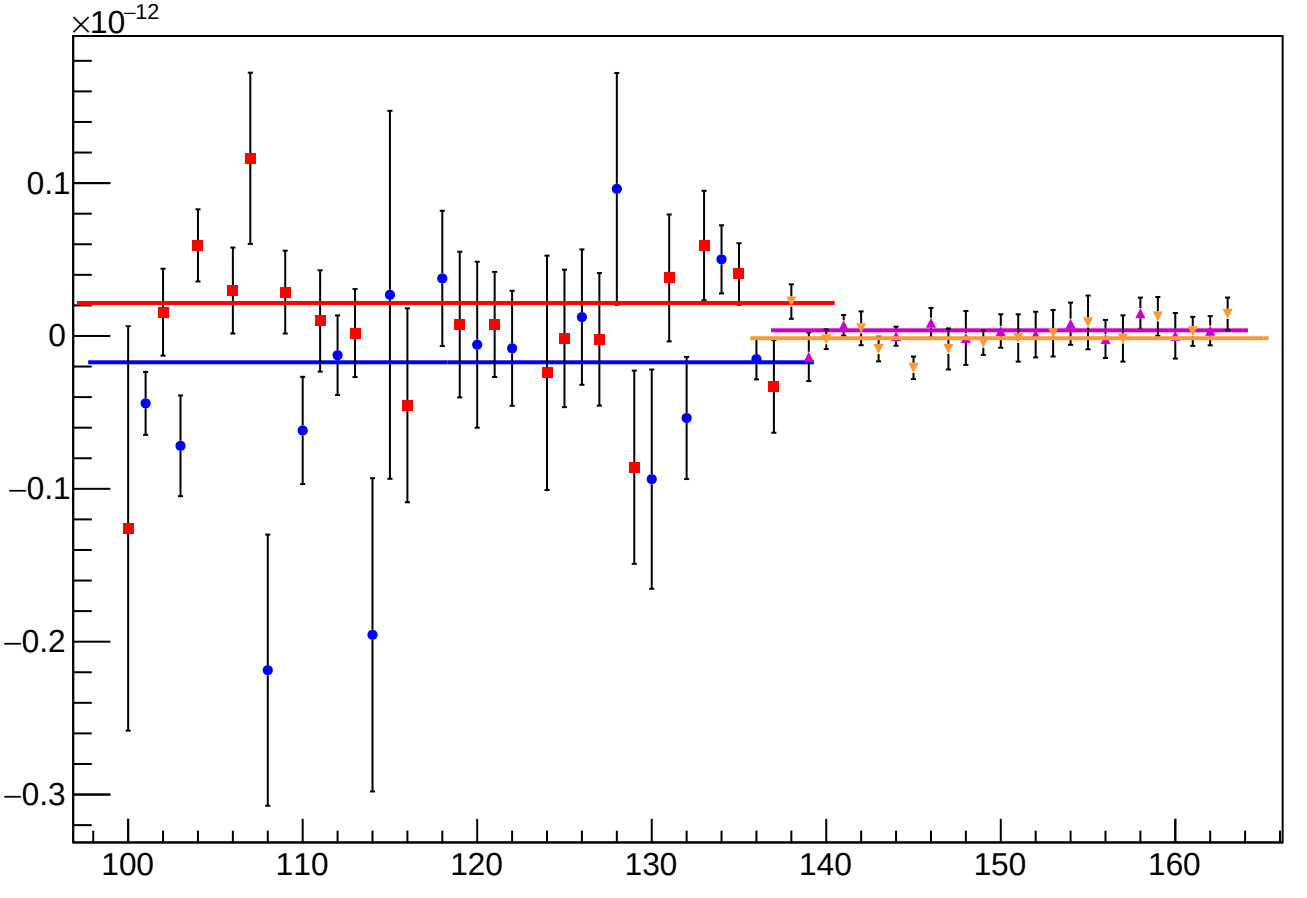
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.901+/-0.006 χ^2/NDF:136582.2/11

+ sign 25.389+/-0.004 χ^2/NDF: 2328251.4/29

All: 25.405+/-0.003 χ^2/NDF: 3680785.3/60

- sign 25.421+/-0.004 χ^2/NDF: 1352507.1/30



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/13

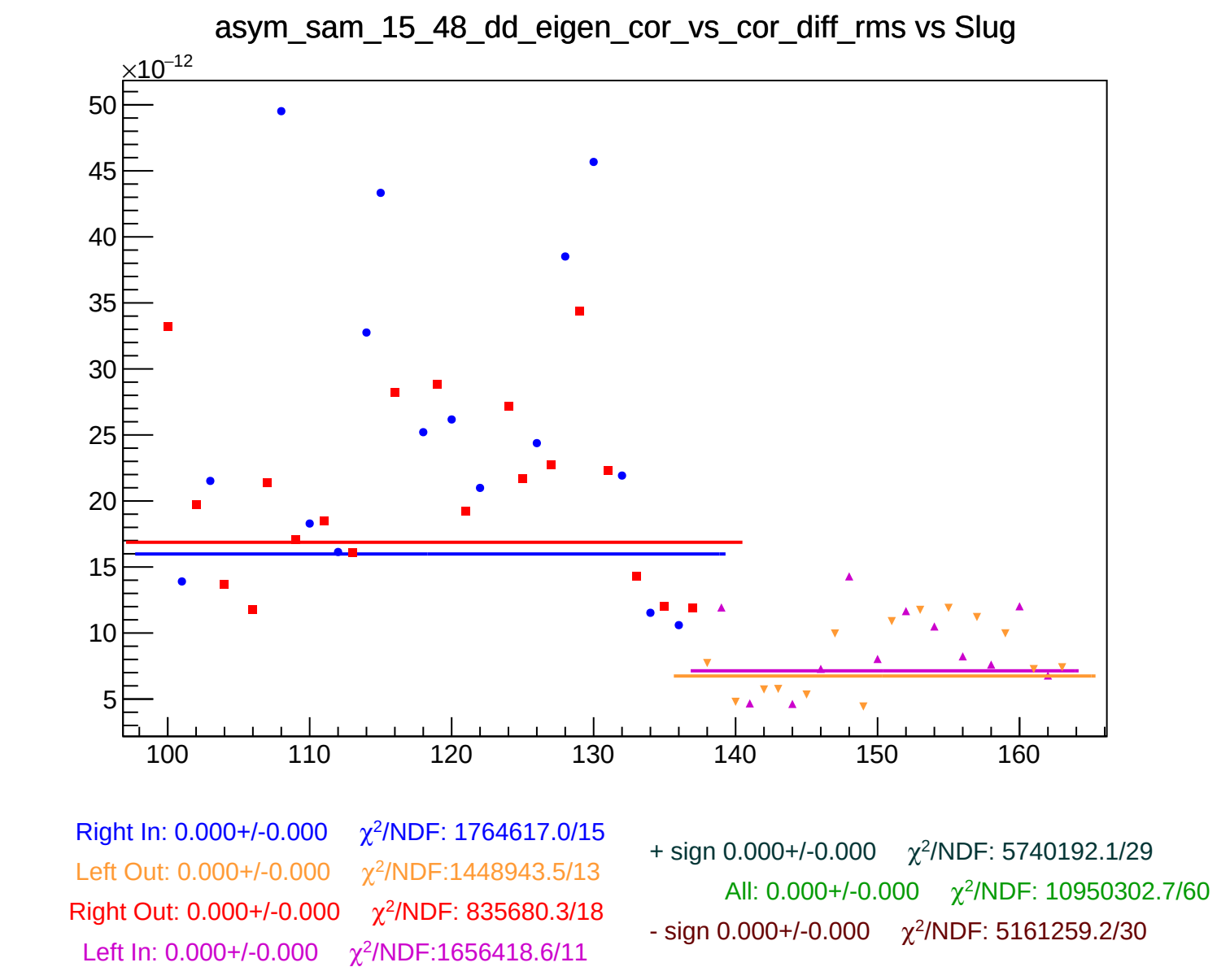
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/29

All: 0.000+/-0.000 χ^2/NDF: 82.7/60

- sign 0.000+/-0.000 χ^2/NDF: 26.3/30


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
45
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35
30
25
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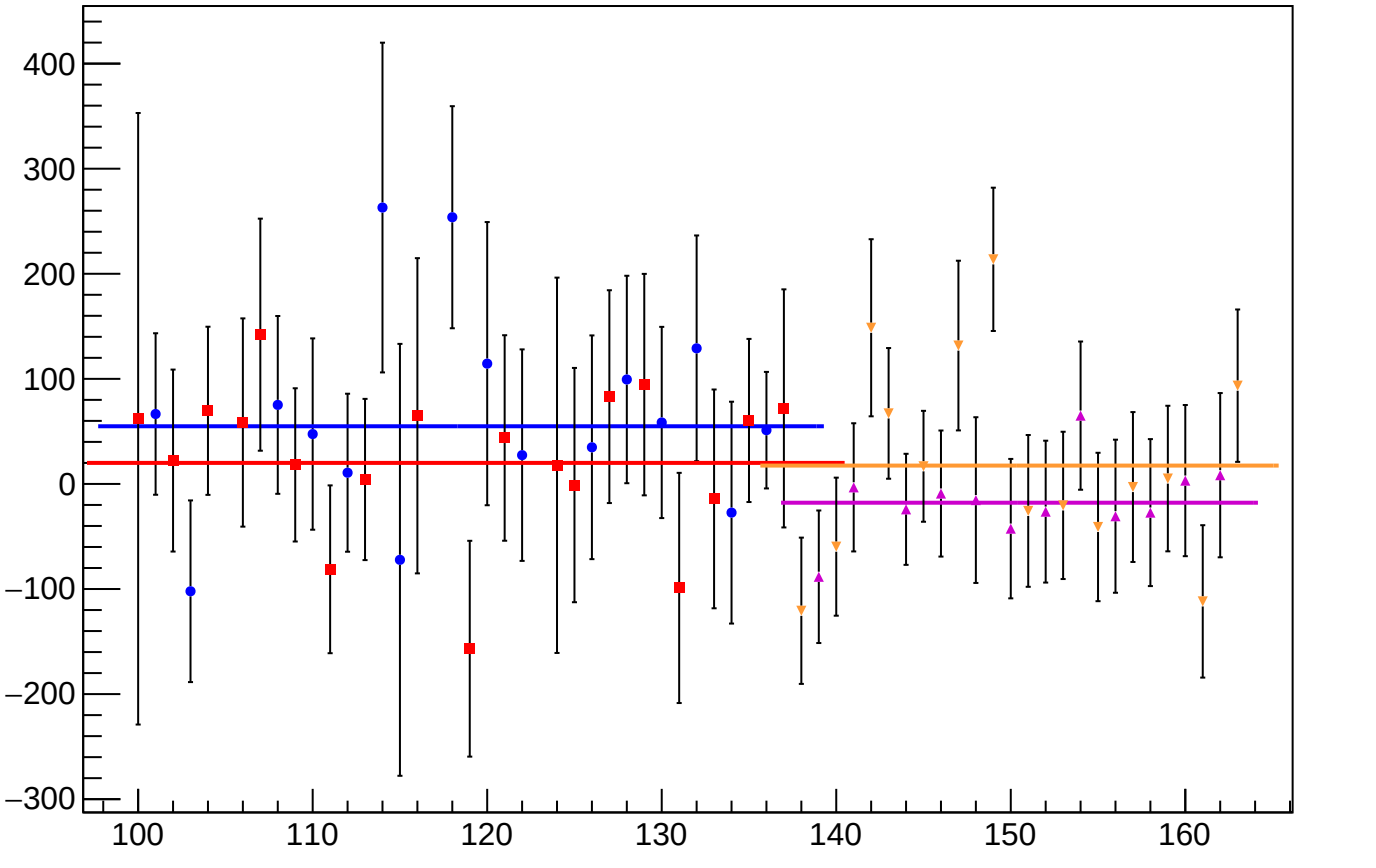
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1448943.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1656418.6/11
+ sign 0.000+/-0.000 χ²/NDF: 5740192.1/29
All: 0.000+/-0.000 χ²/NDF: 10950302.7/60
- sign 0.000+/-0.000 χ²/NDF: 5161259.2/30



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.467+/-18.423 χ^2/NDF:24.4/13

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

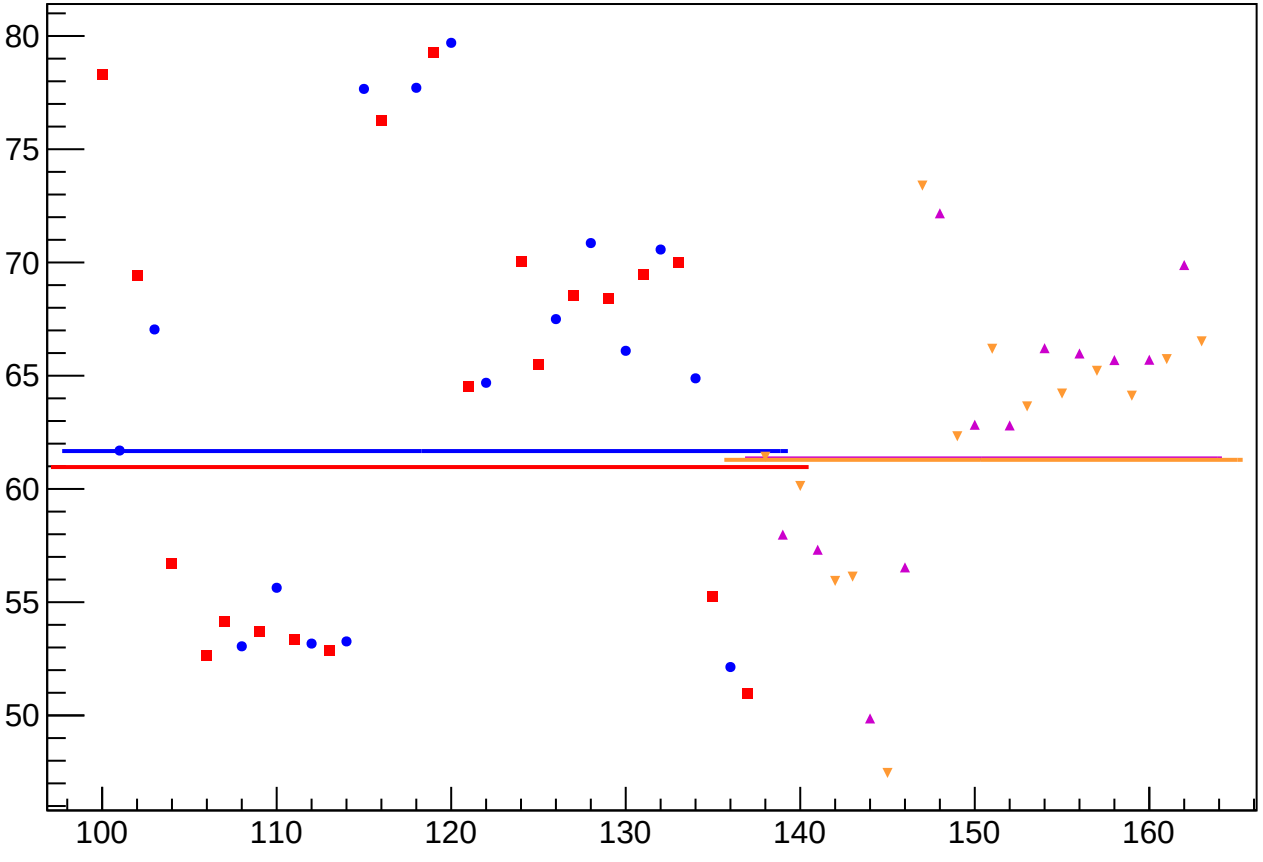
Left In: -17.873+/-19.193 χ^2/NDF:3.1/11

+ sign 31.953+/-14.422 χ^2/NDF: 37.0/29

All: 15.223+/-10.268 χ^2/NDF: 53.7/60

- sign -1.972+/-14.621 χ^2/NDF: 14.0/30

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

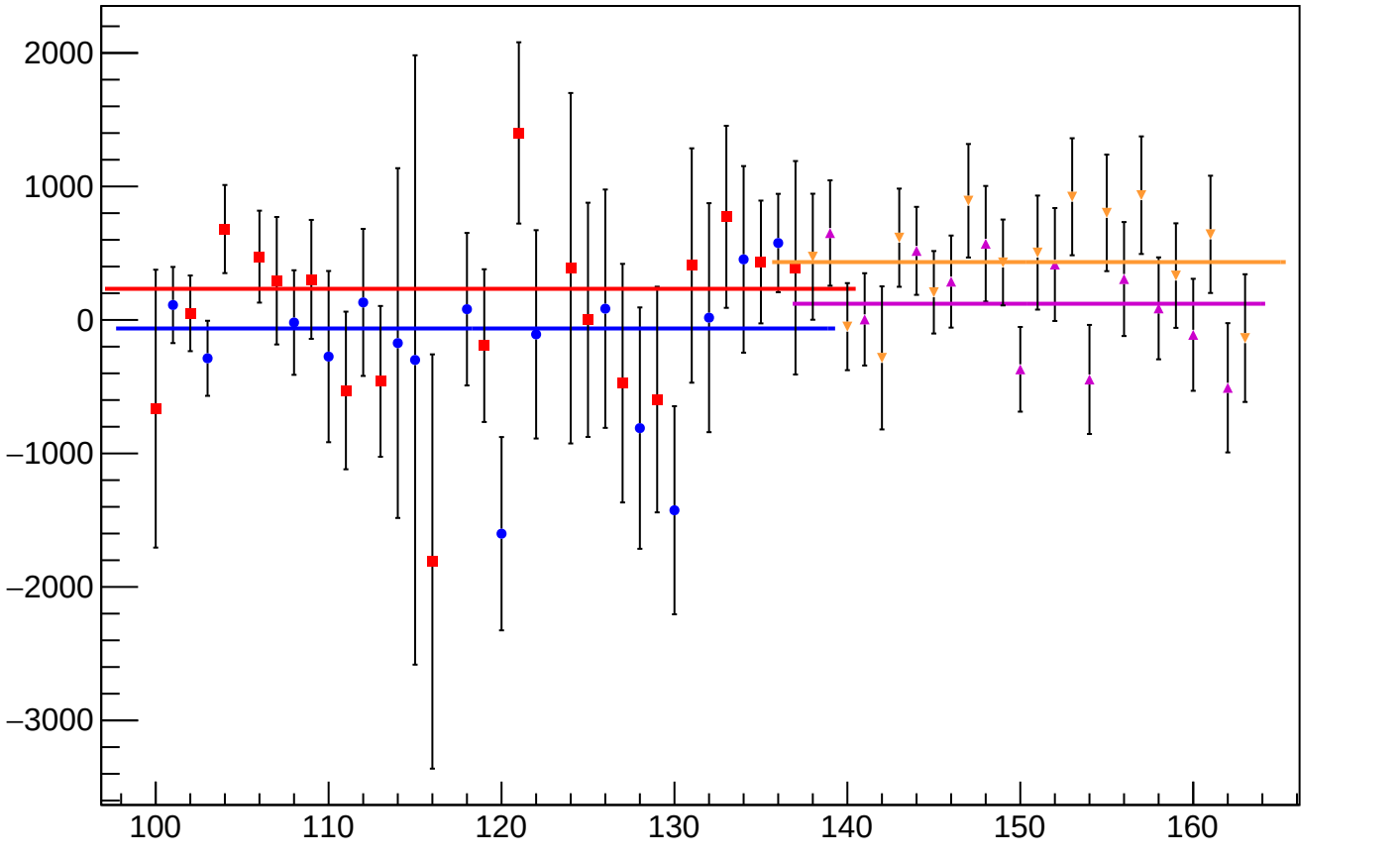
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

+ sign 61.436+/-0.010 χ^2/NDF: 514842.0/29

All: 61.314+/-0.007 χ^2/NDF: 1017508.6/60

- sign 61.188+/-0.010 χ^2/NDF: 502375.9/30



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: 233.206+/-122.791 χ^2/NDF: 14.5/18

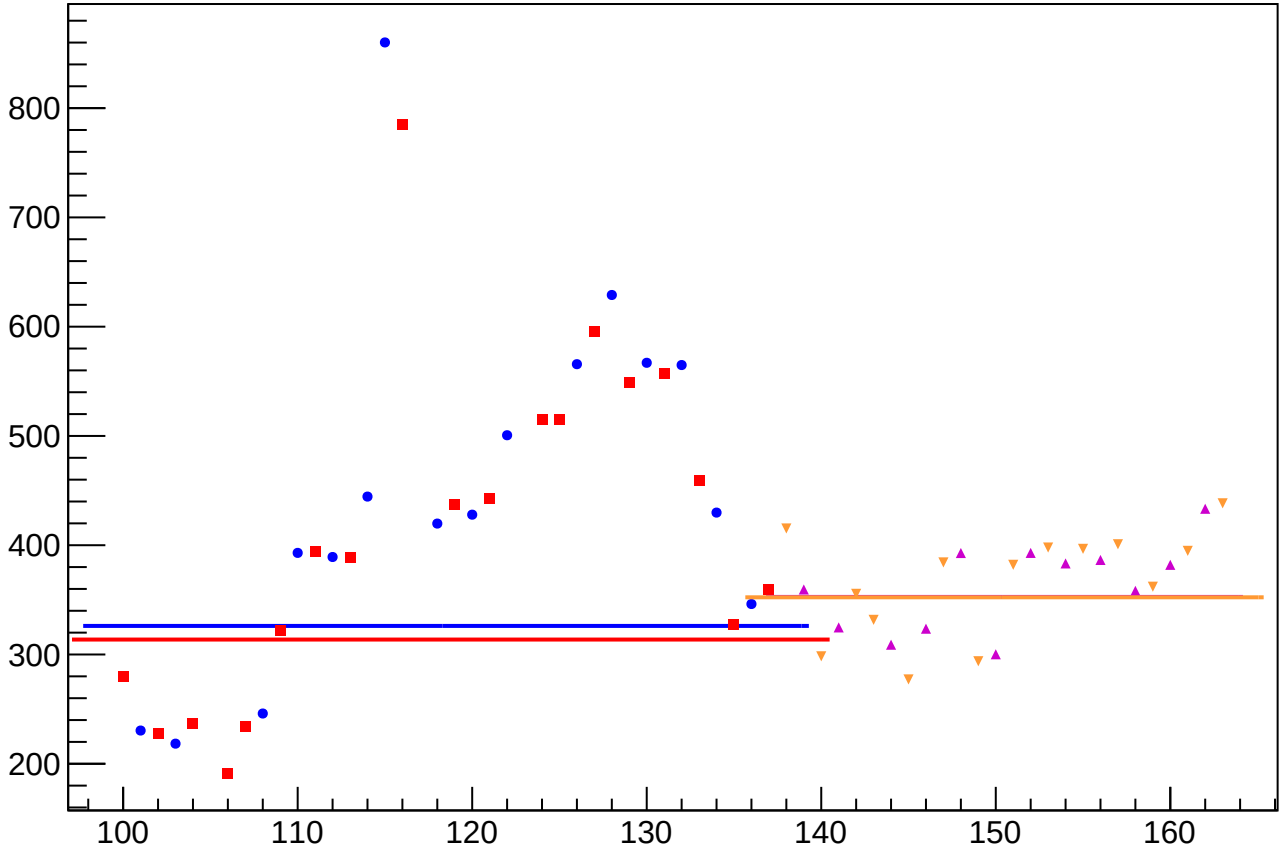
Left In: 121.414+/-110.741 χ^2/NDF:11.7/11

+ sign 232.472+/-82.456 χ^2/NDF: 32.9/29

All: 201.933+/-58.227 χ^2/NDF: 59.8/60

- sign 171.557+/-82.237 χ^2/NDF: 26.6/30

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.9/13

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

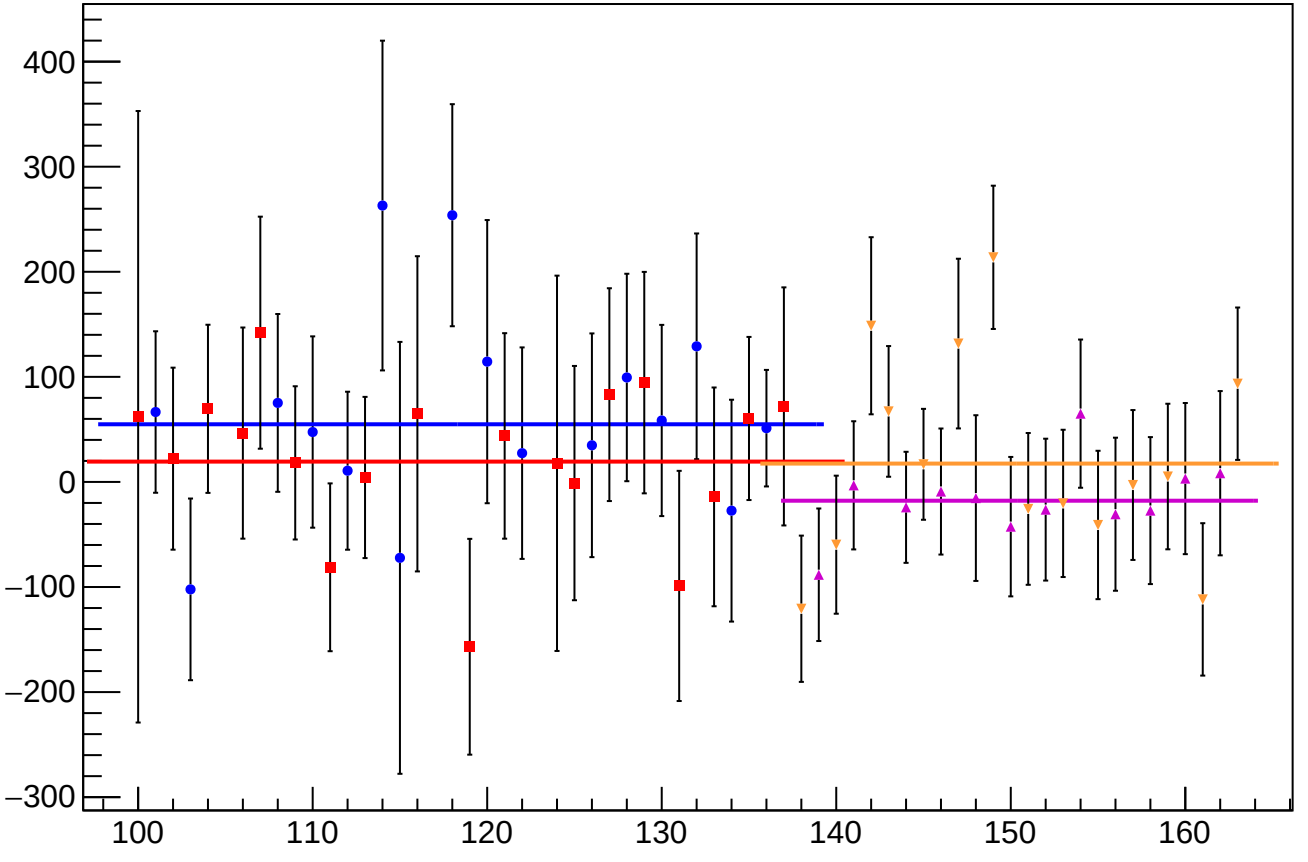
Left In: 352.683+/-0.078 χ^2/NDF:242714.8/11

+ sign 341.743+/-0.058 χ^2/NDF: 2236135.5/29

All: 338.455+/-0.041 χ^2/NDF: 4383864.3/60

- sign 335.185+/-0.058 χ^2/NDF: 2141386.8/30

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

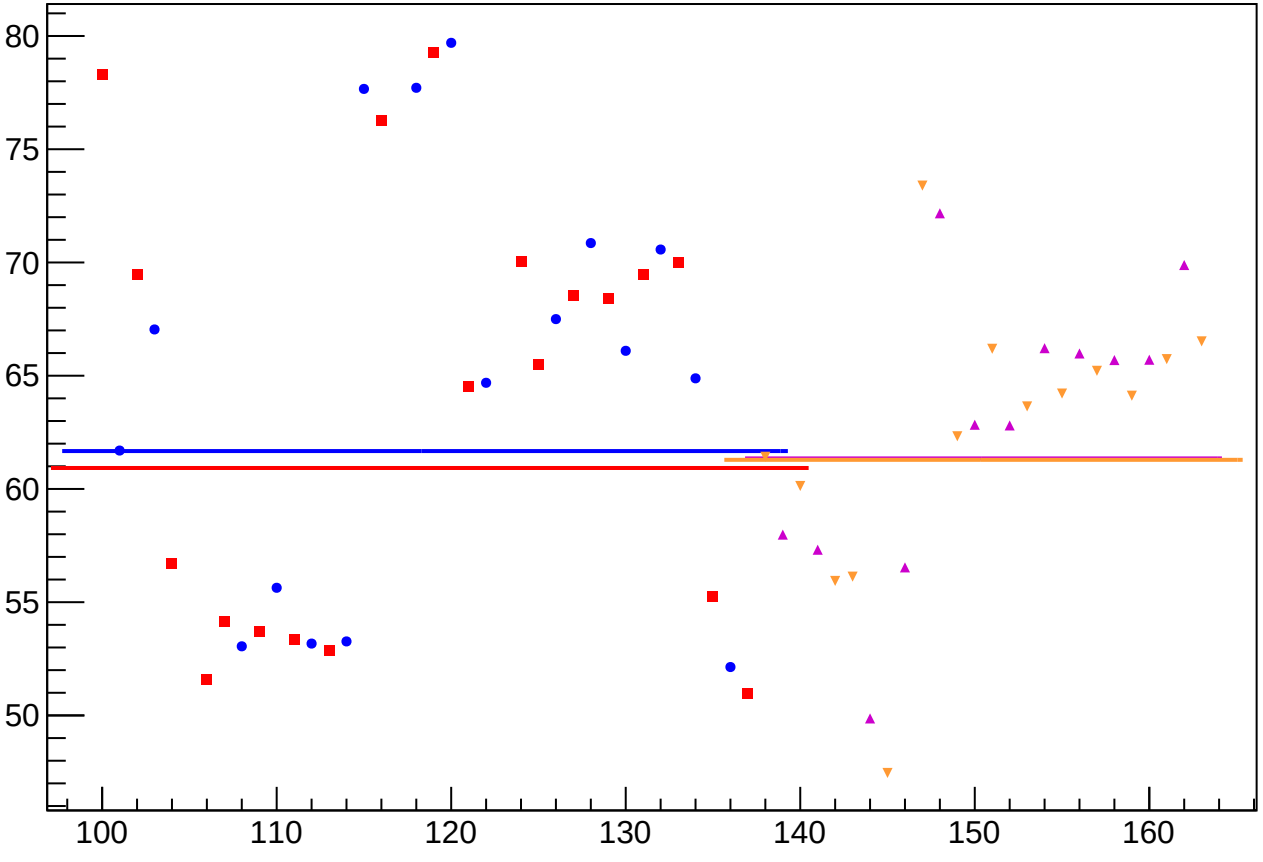
Left In: -17.873+/-19.193 χ^2/NDF:3.1/11

+ sign 31.950+/-14.422 χ^2/NDF: 37.0/29

All: 15.082+/-10.269 χ^2/NDF: 53.6/60

- sign -2.265+/-14.626 χ^2/NDF: 13.9/30

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

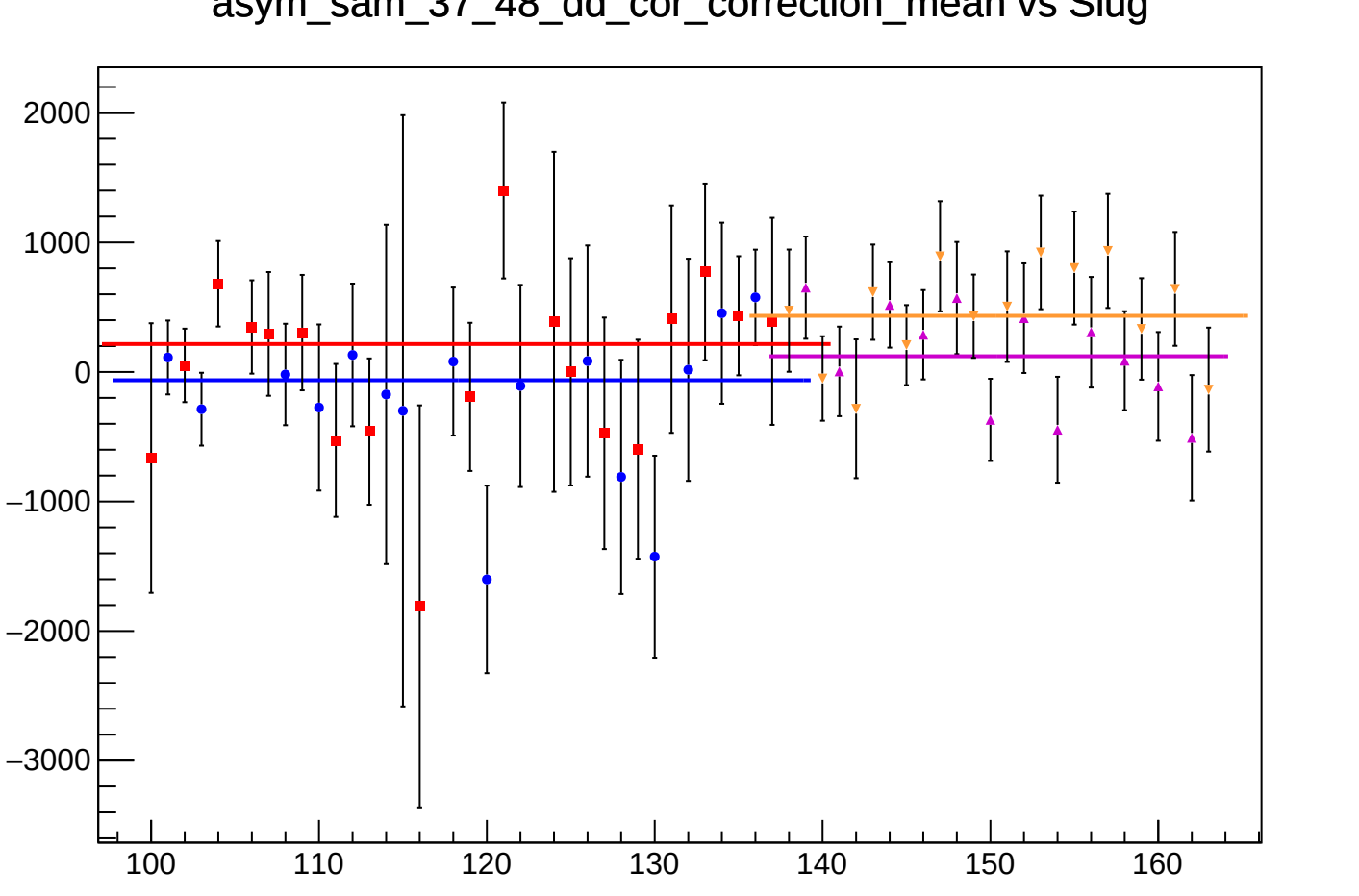
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

+ sign 61.436+/-0.010 χ^2/NDF: 514842.2/29

All: 61.305+/-0.007 χ^2/NDF: 1021020.7/60

- sign 61.171+/-0.010 χ^2/NDF: 505846.7/30



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

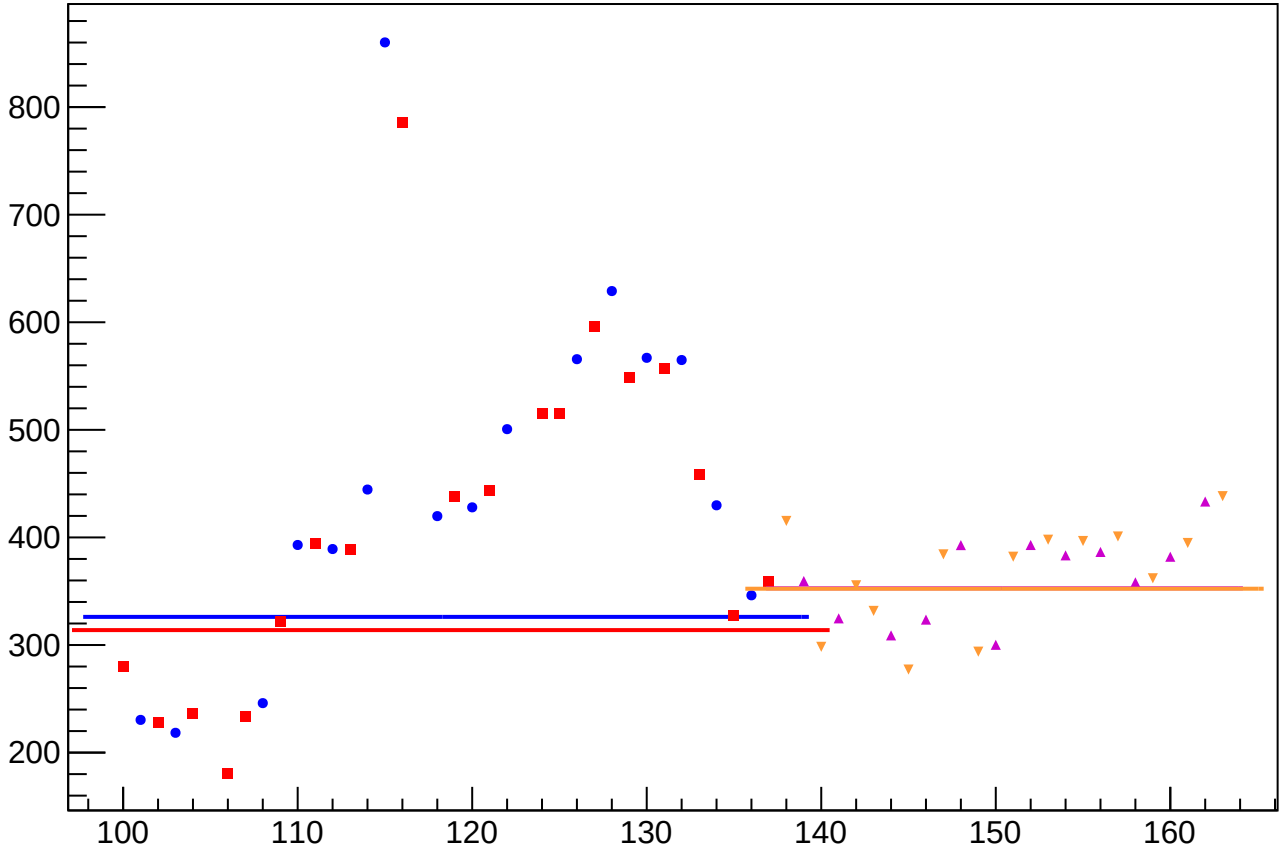
Left In: 121.413+/-110.741 χ^2/NDF:11.7/11

+ sign 232.479+/-82.456 χ^2/NDF: 32.9/29

All: 198.002+/-58.302 χ^2/NDF: 59.3/60

- sign 163.533+/-82.446 χ^2/NDF: 26.1/30

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

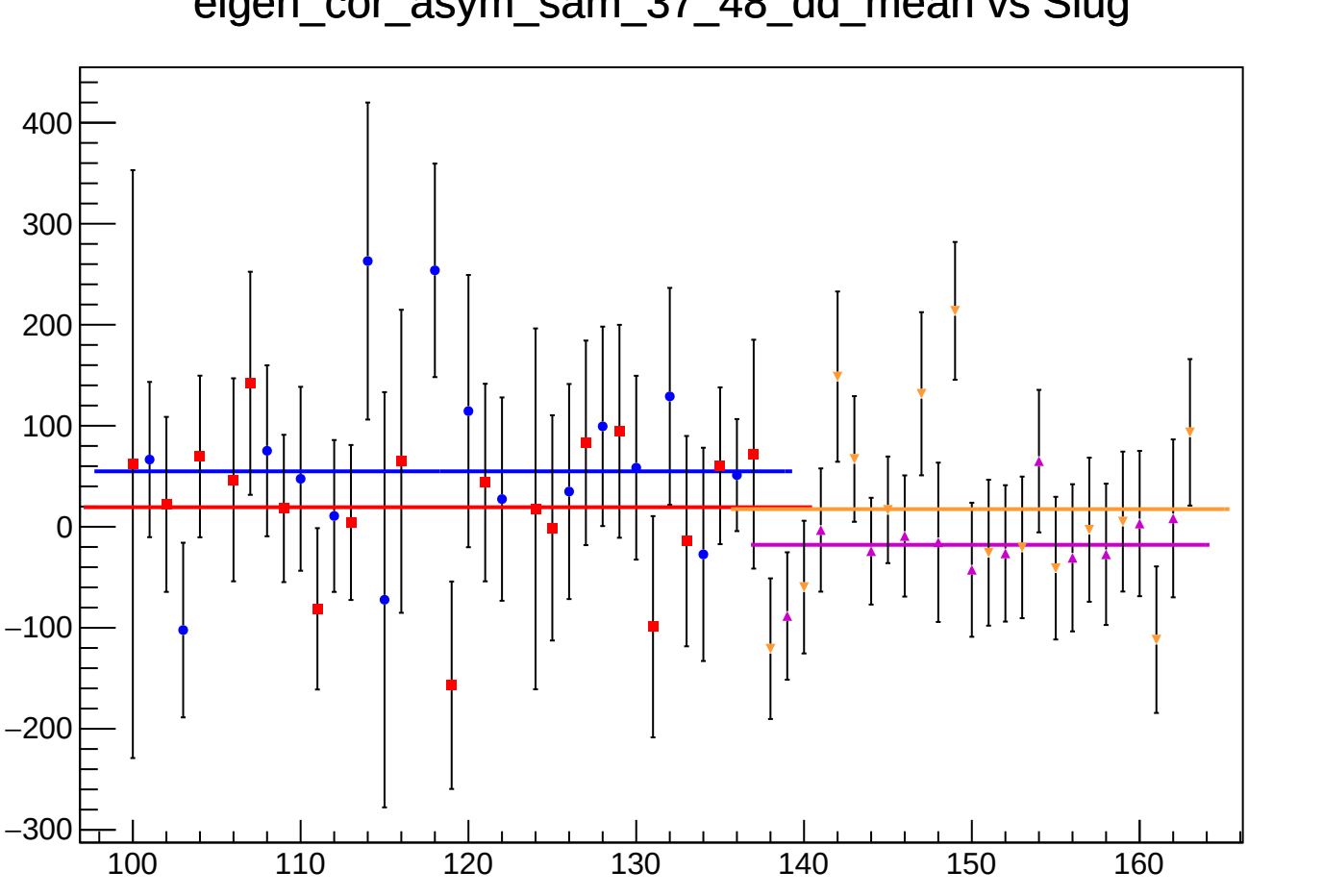
Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 352.683+/-0.078 χ^2/NDF:242713.8/11

+ sign 341.744+/-0.058 χ^2/NDF: 2236063.0/29

All: 338.561+/-0.041 χ^2/NDF: 4400075.3/60

- sign 335.379+/-0.058 χ^2/NDF: 2158052.6/30



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

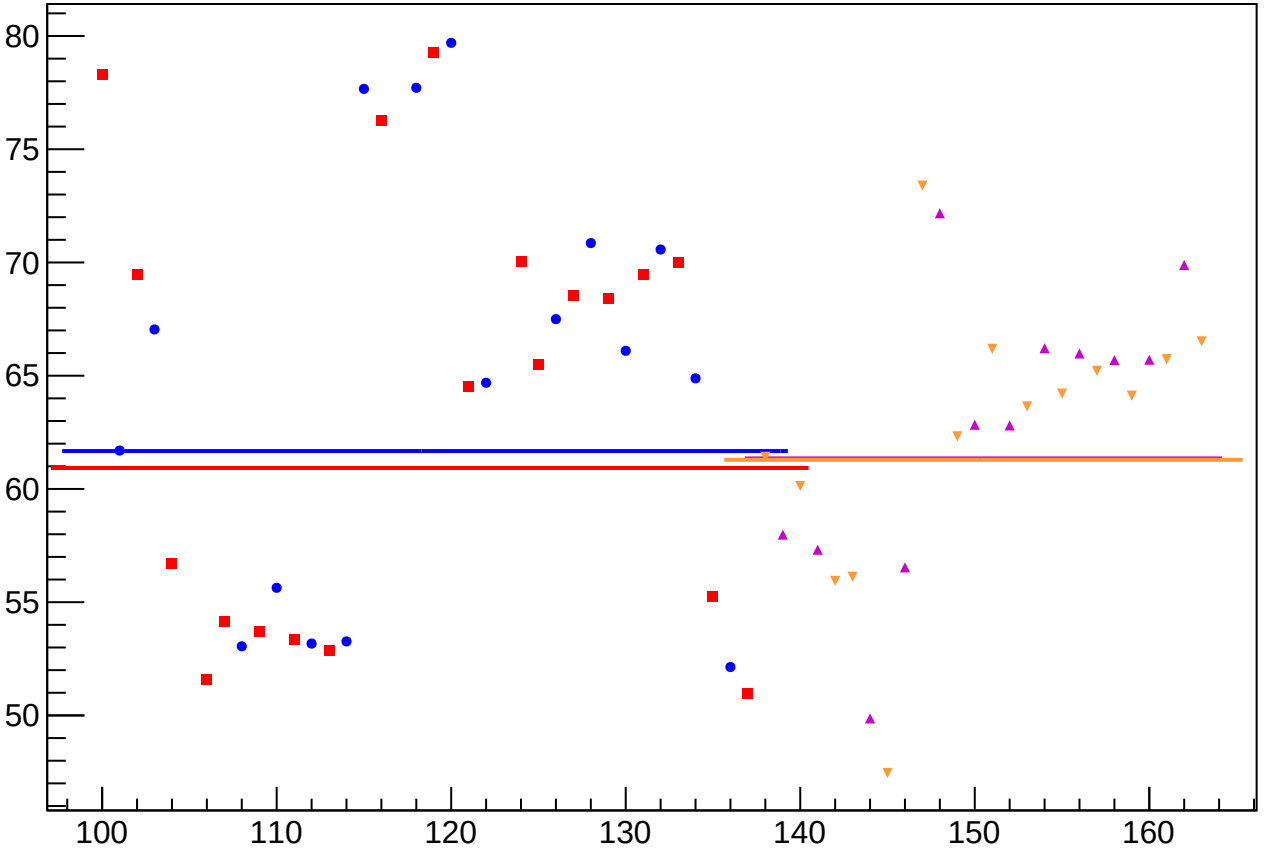
Left In: -17.873+/-19.193 χ^2/NDF:3.1/11

+ sign 31.950+/-14.422 χ^2/NDF: 37.0/29

All: 15.082+/-10.269 χ^2/NDF: 53.6/60

- sign -2.265+/-14.626 χ^2/NDF: 13.9/30

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

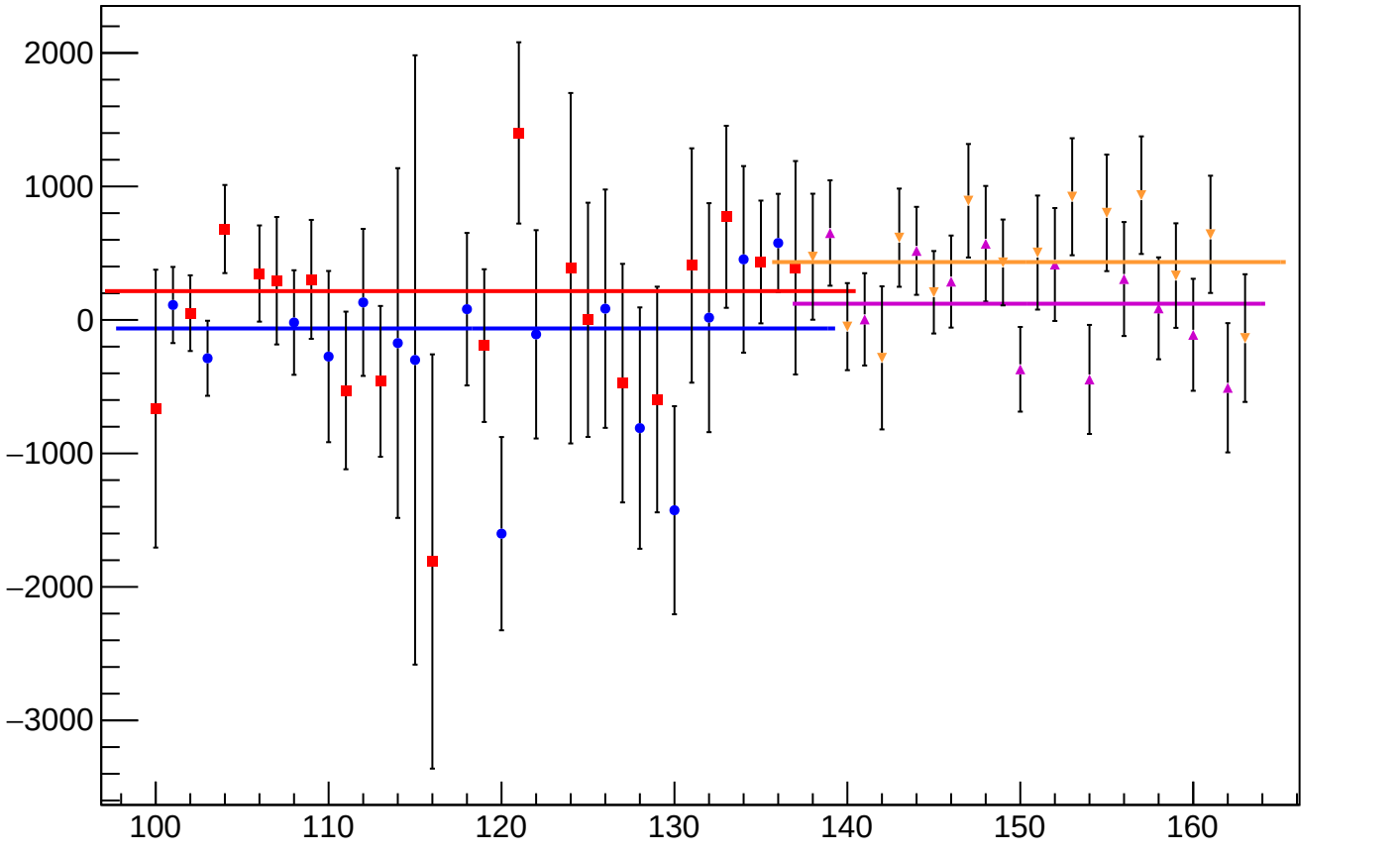
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

+ sign 61.436+/-0.010 χ^2/NDF: 514842.2/29

All: 61.305+/-0.007 χ^2/NDF: 1021020.7/60

- sign 61.171+/-0.010 χ^2/NDF: 505846.7/30



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

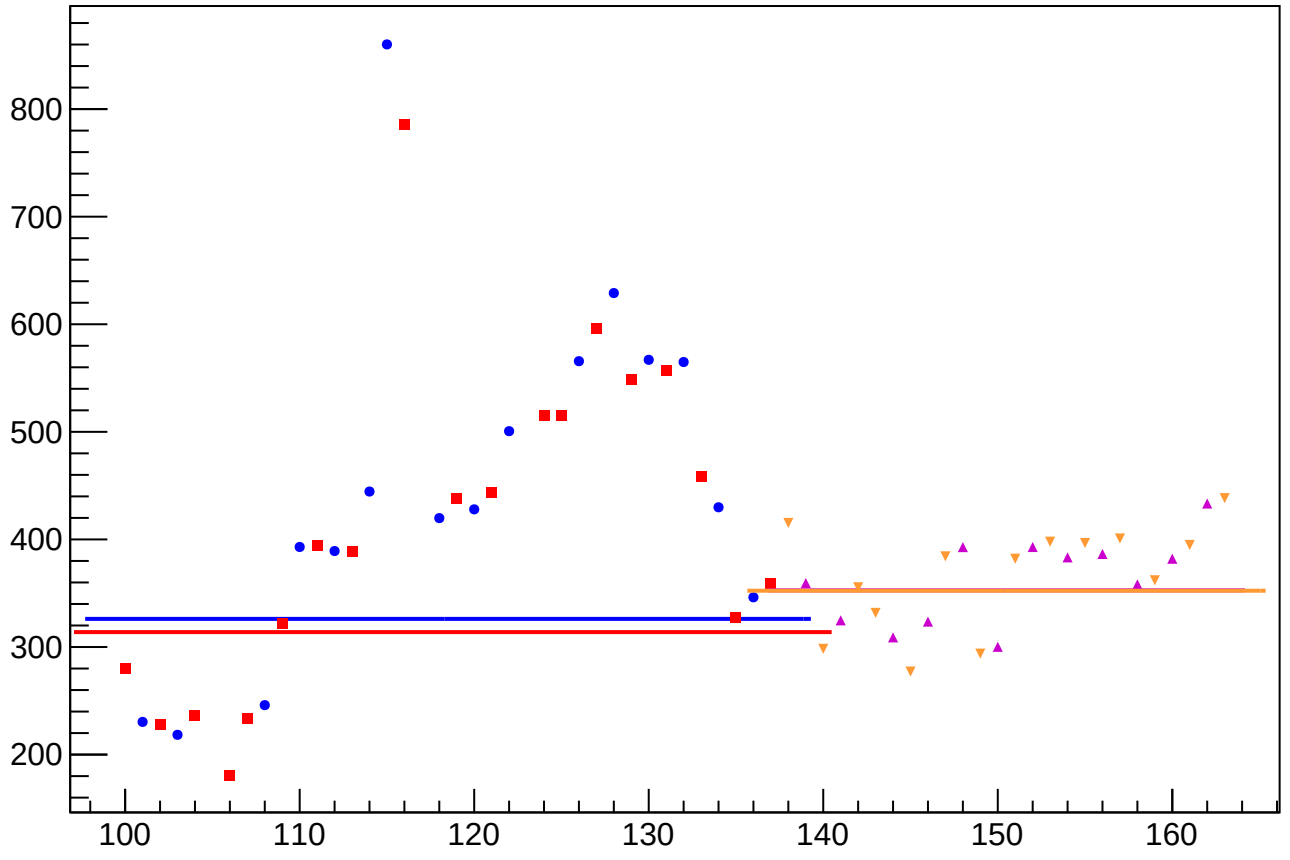
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 121.413+/-110.741 χ^2/NDF:11.7/11

\+ sign 232.479+/-82.456 χ^2/NDF: 32.9/29

All: 198.002+/-58.302 χ^2/NDF: 59.3/60

\- sign 163.533+/-82.446 χ^2/NDF: 26.1/30



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

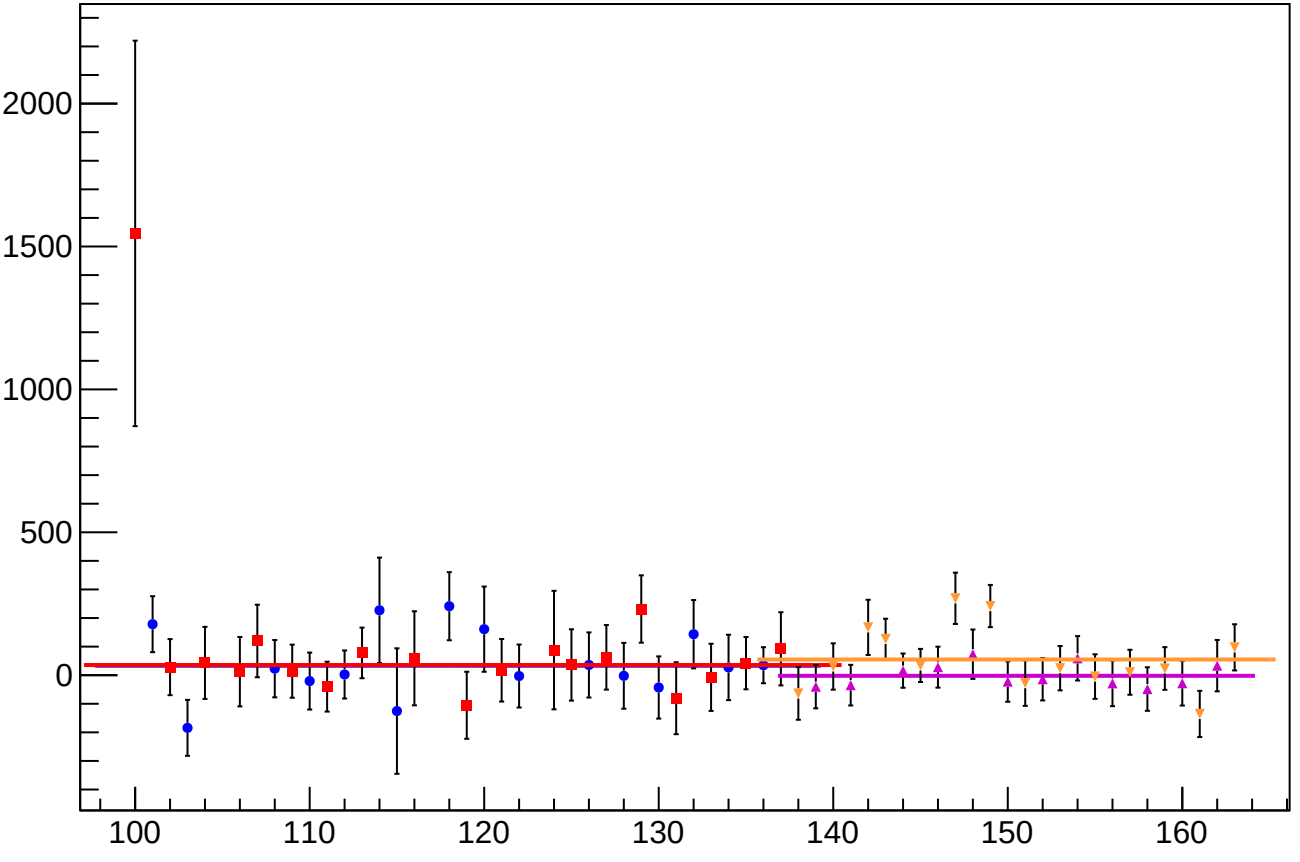
Left In: 352.683+/-0.078 χ^2/NDF:242713.8/11

+ sign 341.744+/-0.058 χ^2/NDF: 2236063.0/29

All: 338.561+/-0.041 χ^2/NDF: 4400075.3/60

- sign 335.379+/-0.058 χ^2/NDF: 2158052.6/30

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.891+/-20.772 χ^2/NDF:24.5/13

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

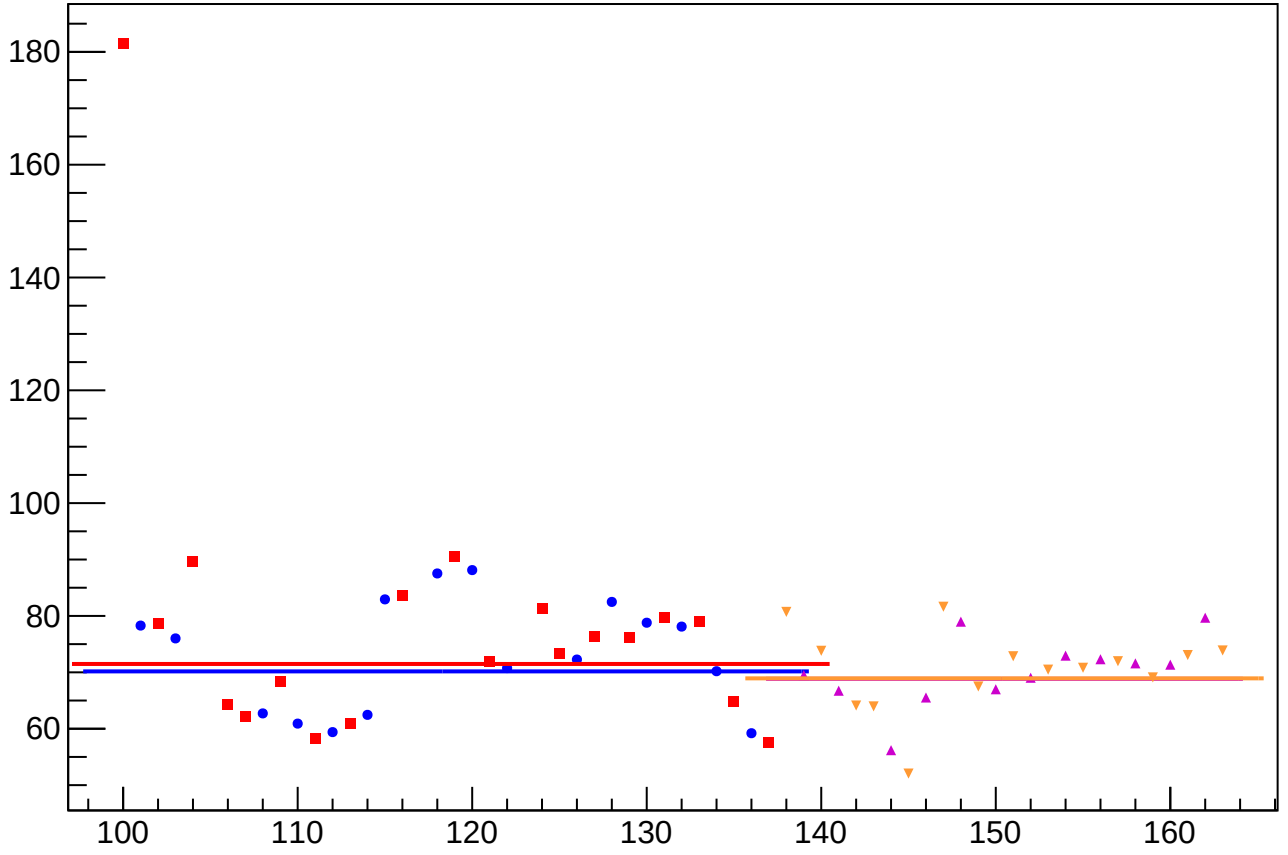
Left In: -2.135+/-21.601 χ^2/NDF:3.0/11

+ sign 46.678+/-16.328 χ^2/NDF: 39.5/29

All: 30.220+/-11.693 χ^2/NDF: 57.8/60

- sign 12.895+/-16.752 χ^2/NDF: 16.3/30

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.932+/-0.015 χ^2/NDF:288006.1/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

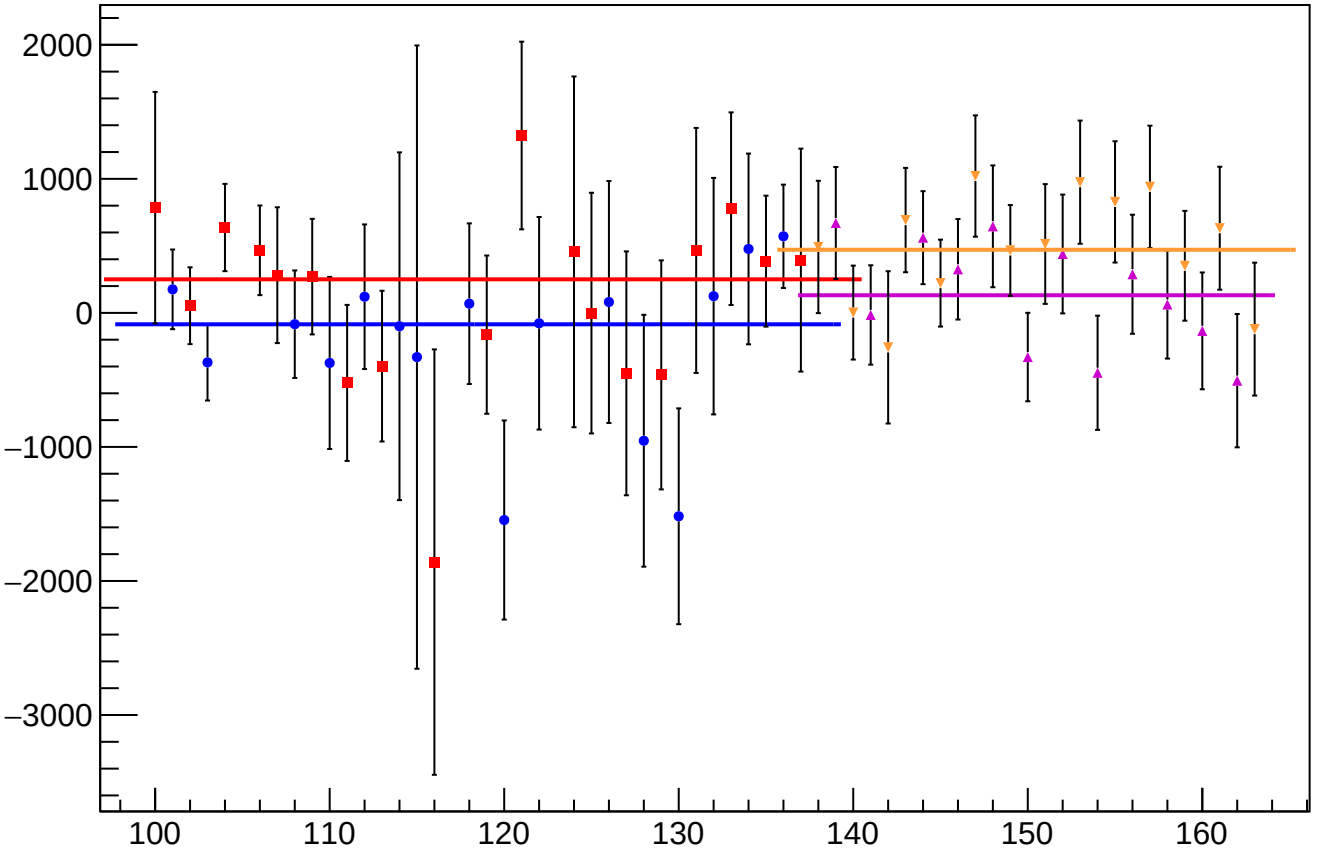
Left In: 68.850+/-0.015 χ^2/NDF:167507.1/11

+ sign 69.404+/-0.012 χ^2/NDF: 559960.4/29

All: 69.645+/-0.008 χ^2/NDF: 1065925.6/60

- sign 69.899+/-0.012 χ^2/NDF: 505068.0/30

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 470.963+/-112.309 χ^2/NDF:10.4/13

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

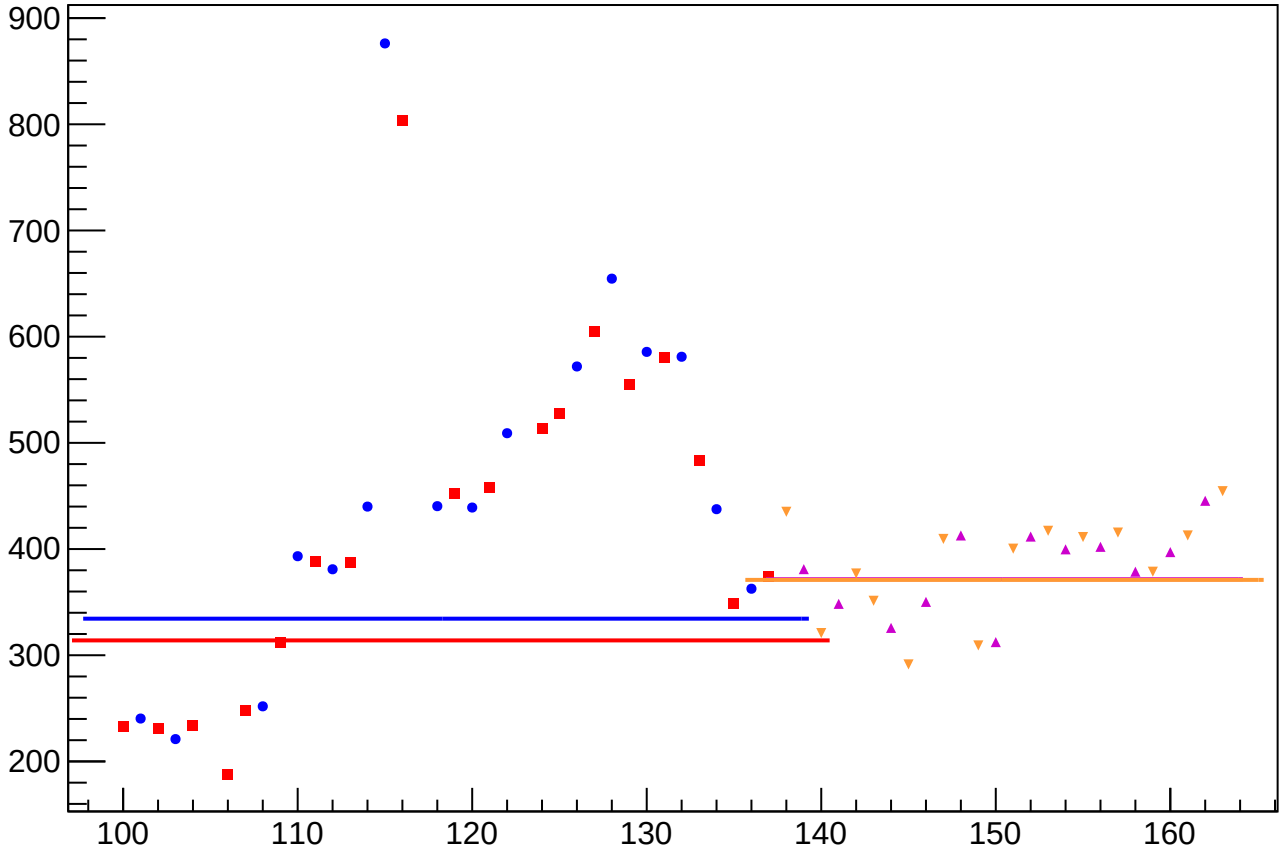
Left In: 131.581+/-116.584 χ^2/NDF:11.3/11

+ sign 239.217+/-85.775 χ^2/NDF: 34.3/29

All: 213.130+/-60.273 χ^2/NDF: 58.8/60

- sign 187.685+/-84.713 χ^2/NDF: 24.3/30

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 370.957+/-0.079 χ^2/NDF:419428.8/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

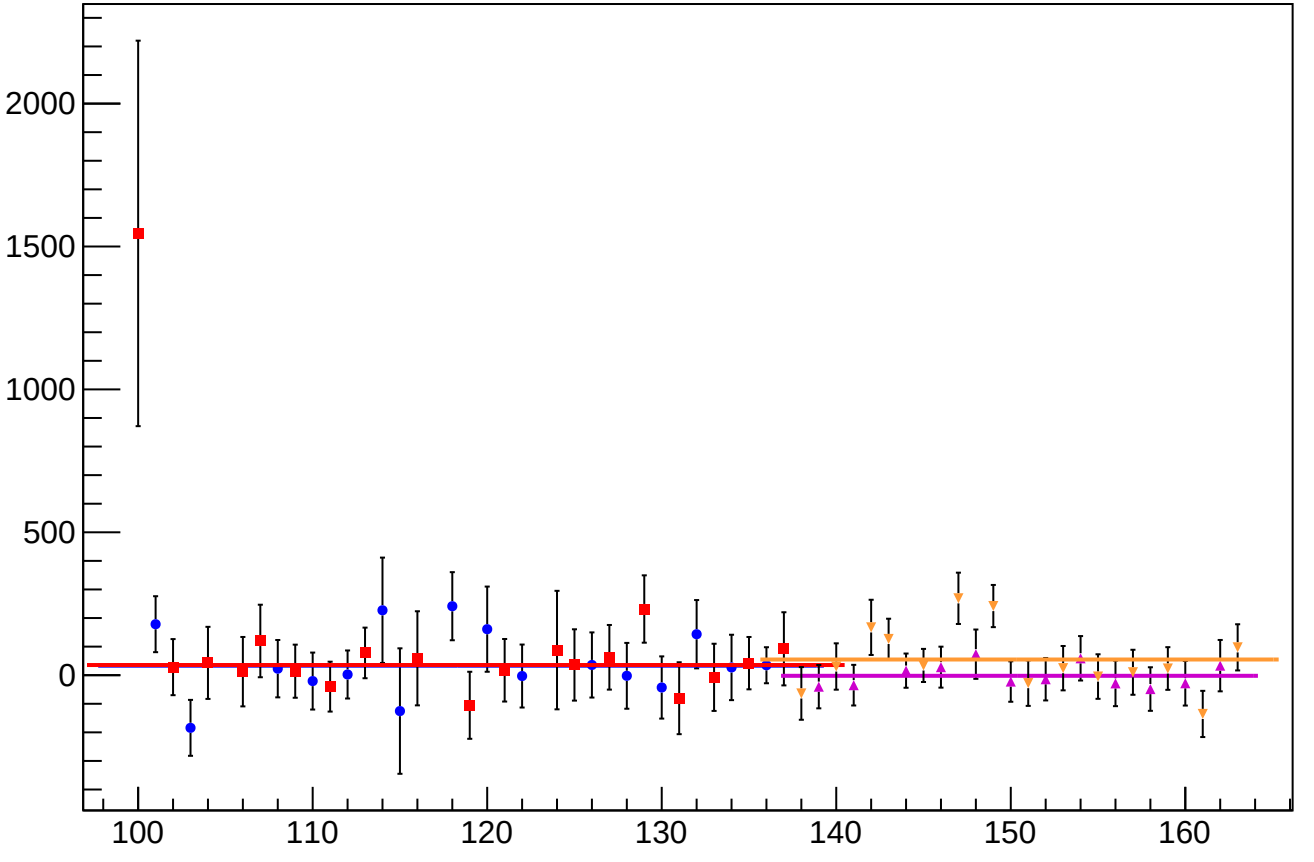
Left In: 371.589+/-0.082 χ^2/NDF:217261.0/11

+ sign 355.736+/-0.061 χ^2/NDF: 2238189.2/29

All: 349.994+/-0.043 χ^2/NDF: 4608349.8/60

- sign 344.392+/-0.060 χ^2/NDF: 2352451.8/30

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.890+/-20.772 χ^2/NDF:24.5/13

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

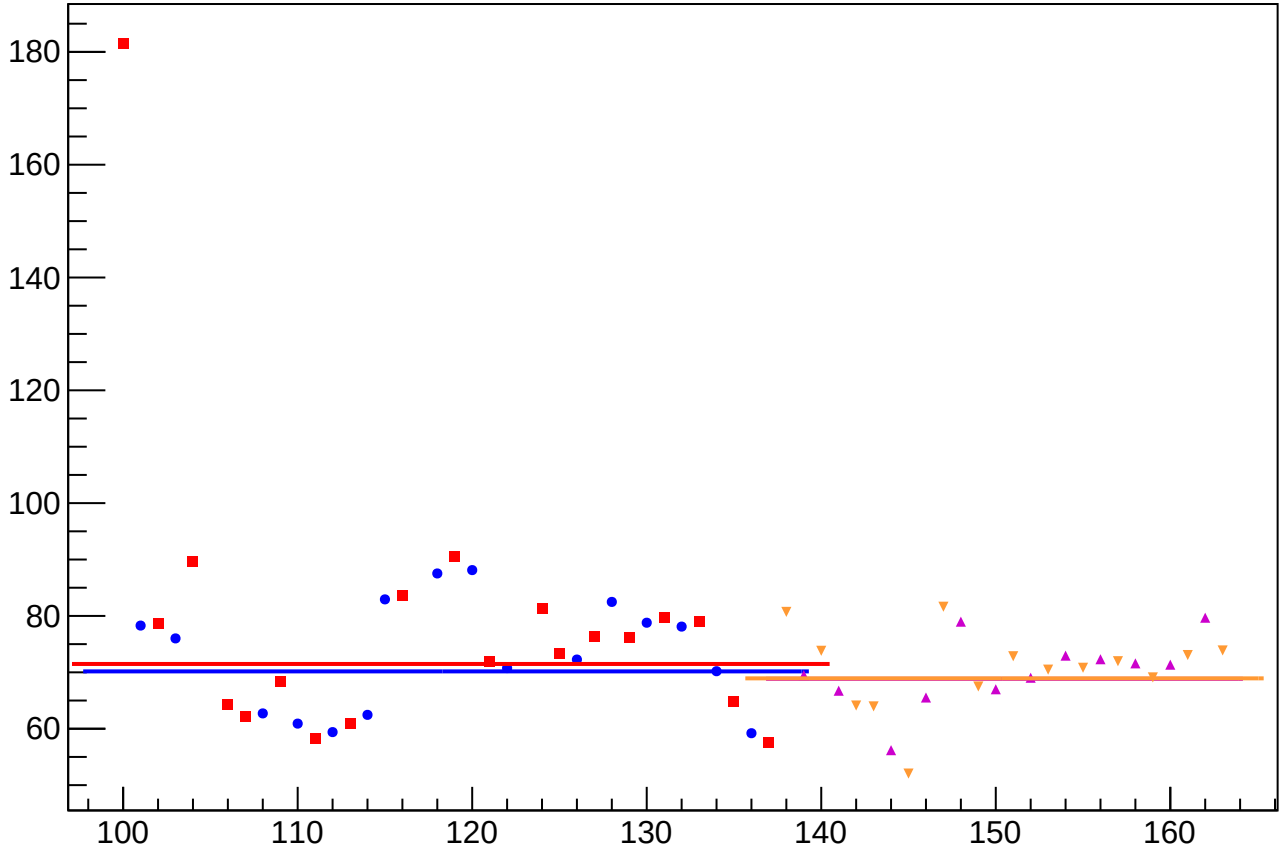
Left In: -2.135+/-21.601 χ^2/NDF:3.0/11

+ sign 46.678+/-16.328 χ^2/NDF: 39.5/29

All: 30.219+/-11.693 χ^2/NDF: 57.8/60

- sign 12.895+/-16.752 χ^2/NDF: 16.3/30

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.932+/-0.015 χ^2/NDF:288010.8/13

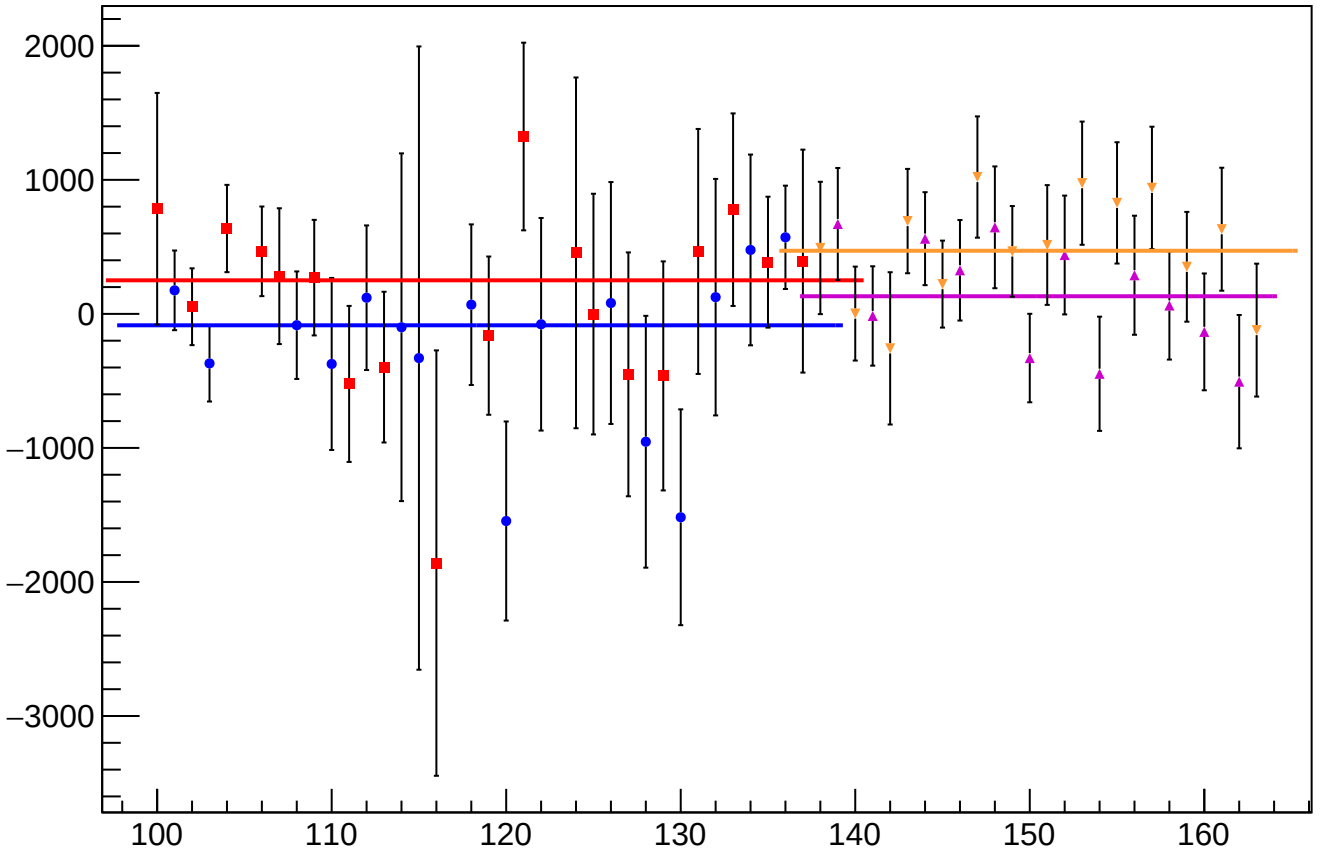
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.850+/-0.015 χ^2/NDF:167508.8/11

+ sign 69.404+/-0.012 χ^2/NDF: 559968.8/29

All: 69.645+/-0.008 χ^2/NDF: 1065943.0/60

- sign 69.899+/-0.012 χ^2/NDF: 505077.0/30



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 470.962+/-112.309 χ^2/NDF:10.4/13

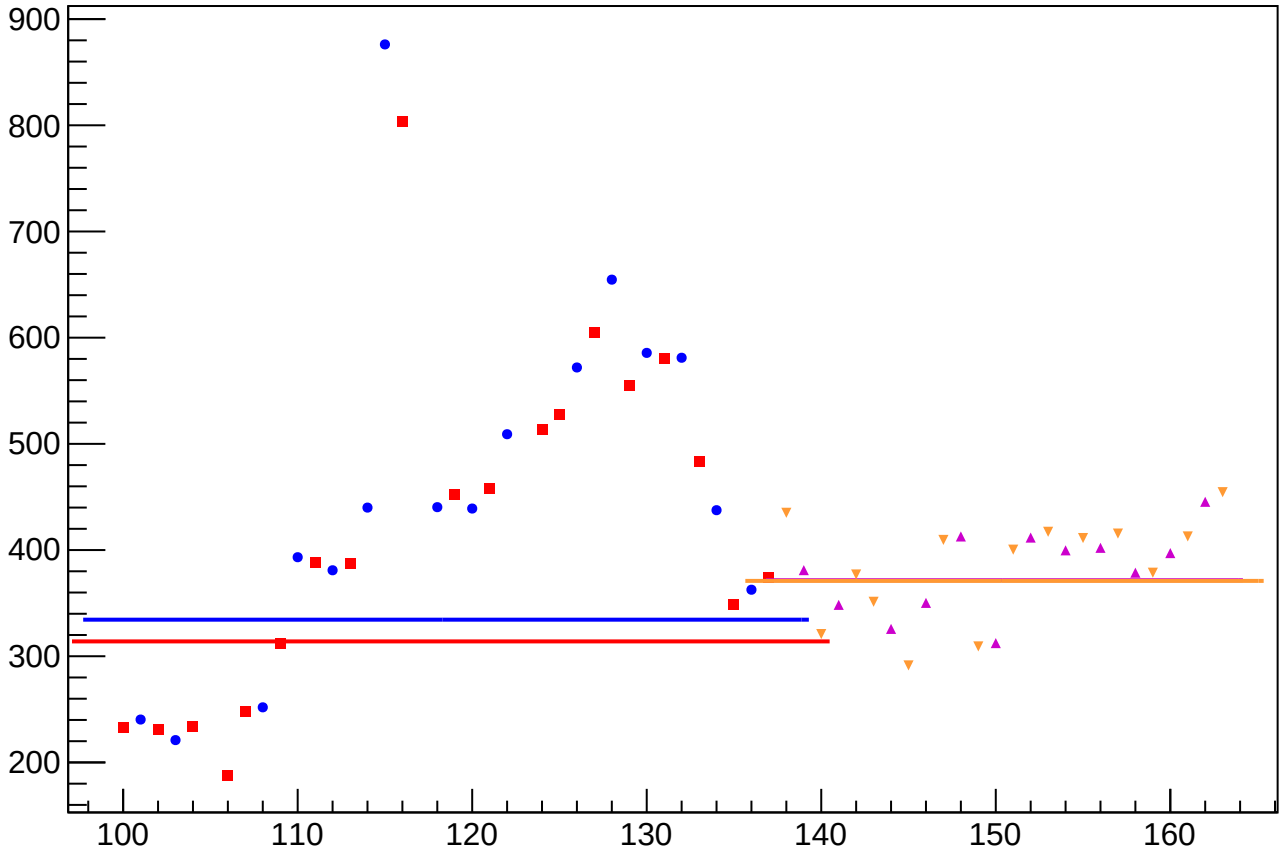
Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: 131.581+/-116.584 χ^2/NDF:11.3/11

+ sign 239.217+/-85.775 χ^2/NDF: 34.3/29

All: 213.130+/-60.273 χ^2/NDF: 58.8/60

- sign 187.685+/-84.713 χ^2/NDF: 24.3/30



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 370.956+/-0.079 χ^2/NDF:419432.2/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

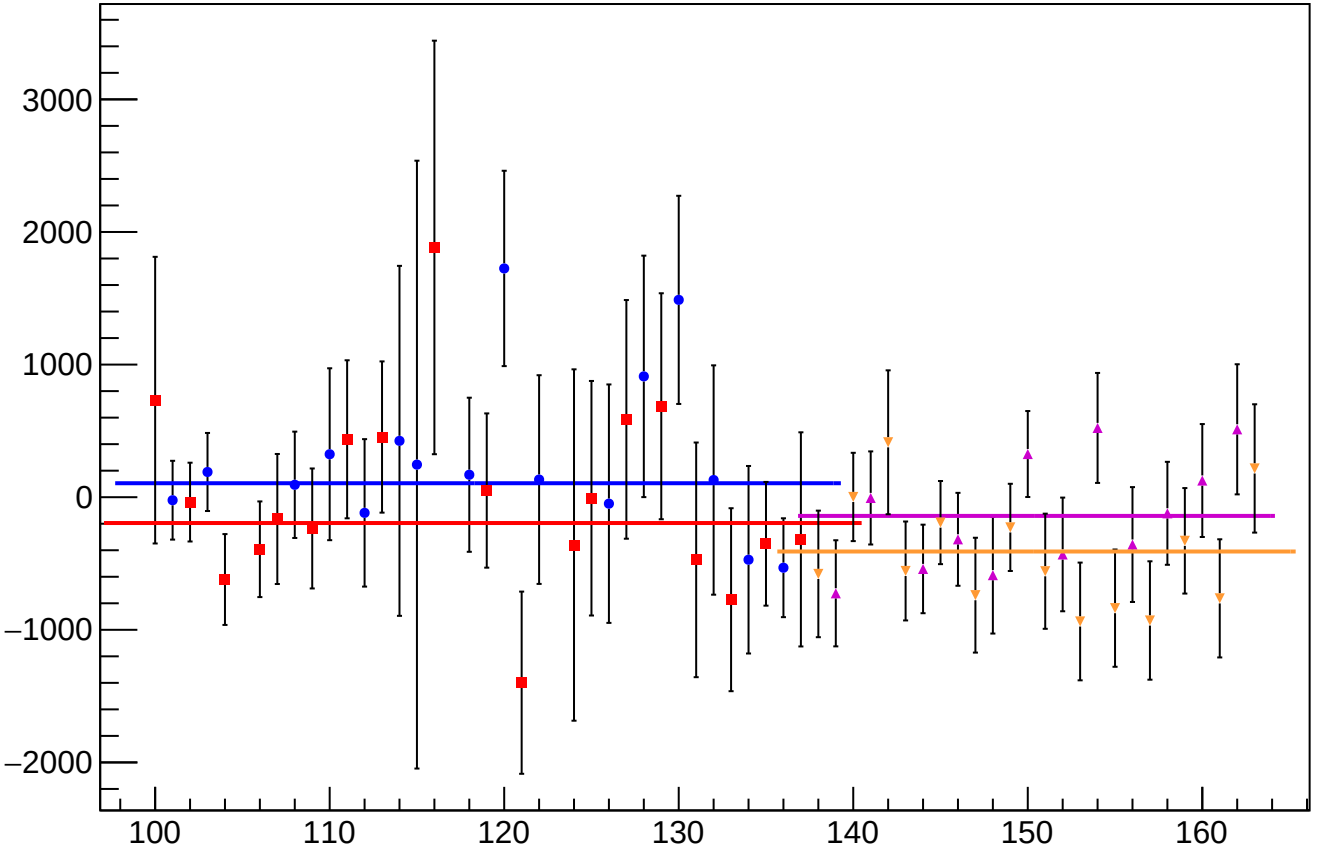
Left In: 371.589+/-0.082 χ^2/NDF:217260.5/11

+ sign 355.736+/-0.061 χ^2/NDF: 2238189.8/29

All: 349.994+/-0.043 χ^2/NDF: 4608348.5/60

- sign 344.392+/-0.060 χ^2/NDF: 2352450.0/30

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -409.468+/-108.528 χ^2/NDF:11.6/13

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

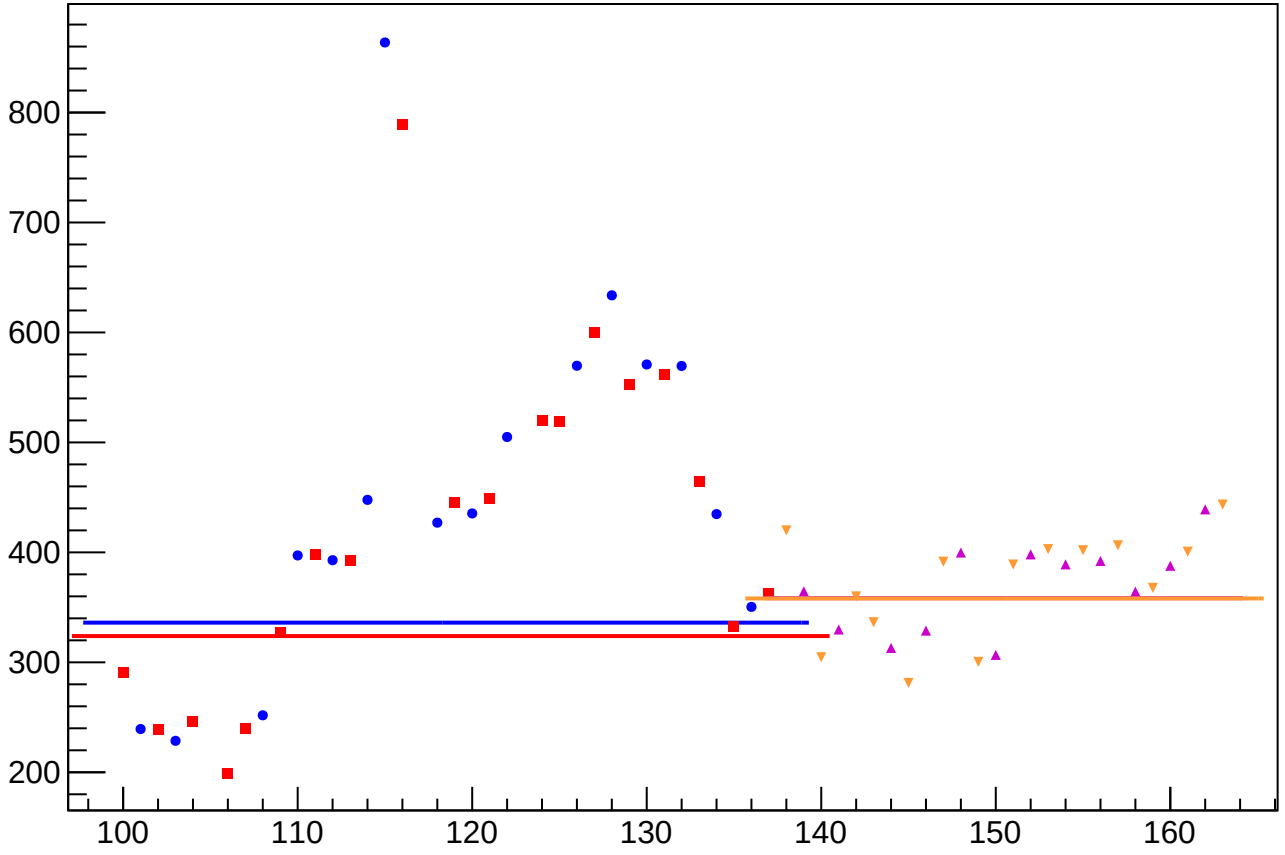
Left In: -141.019+/-112.477 χ^2/NDF:12.5/11

+ sign -203.761+/-84.097 χ^2/NDF: 33.6/29

All: -184.245+/-59.420 χ^2/NDF: 59.4/60

- sign -164.789+/-83.967 χ^2/NDF: 25.7/30

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.094+/-0.077 χ^2/NDF:441014.8/13

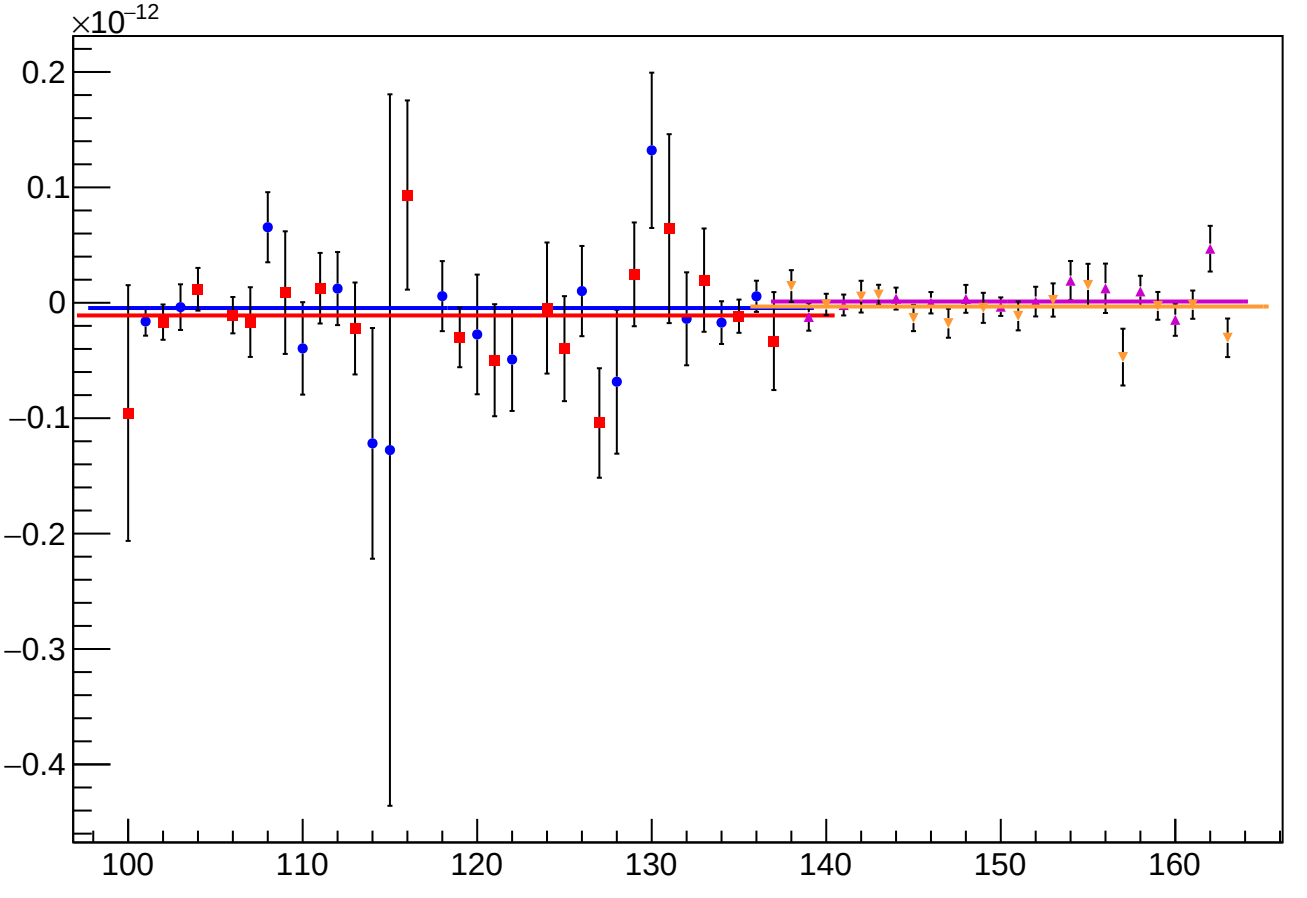
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 358.323+/-0.080 χ^2/NDF:237640.8/11

+ sign 349.303+/-0.059 χ^2/NDF: 2092855.2/29

All: 346.186+/-0.042 χ^2/NDF: 4084406.4/60

- sign 343.077+/-0.059 χ^2/NDF: 1986061.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

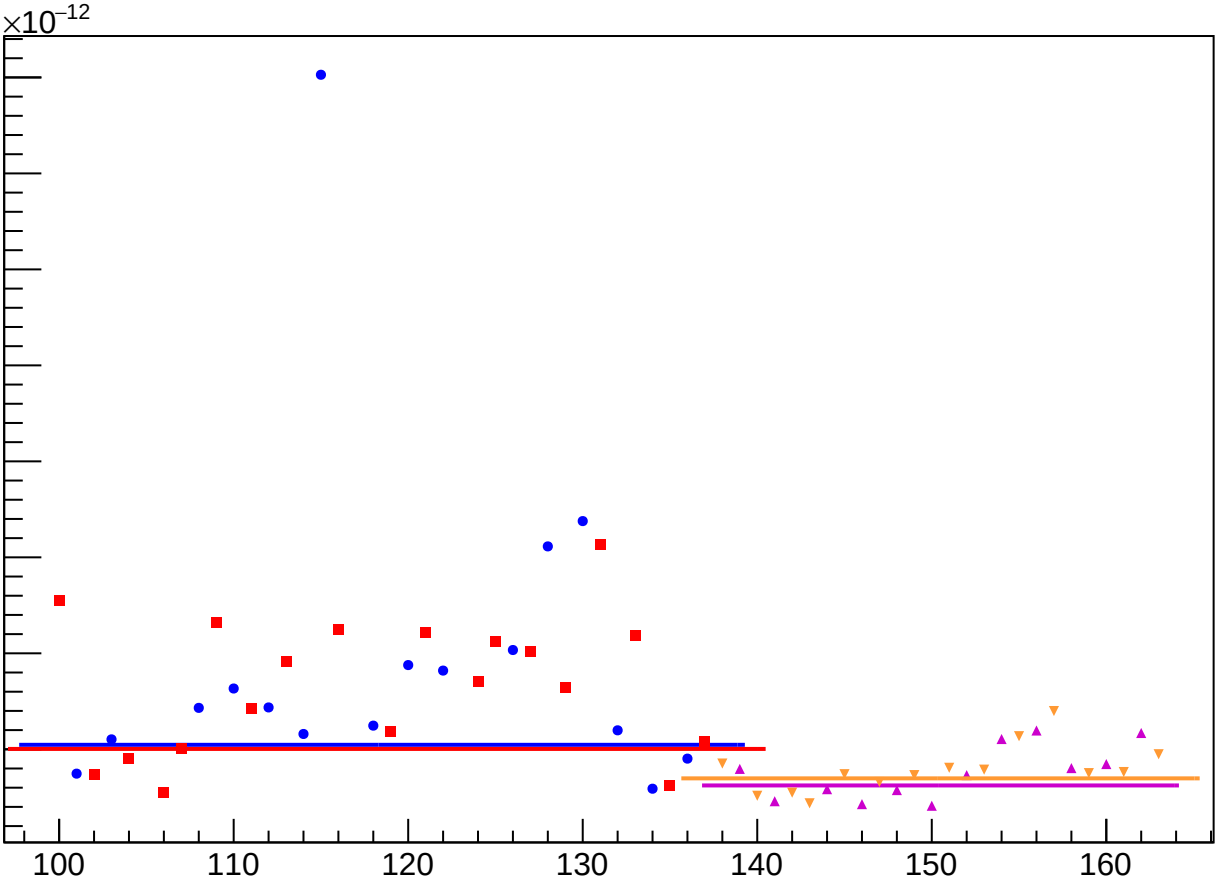
Left In: 0.000+/-0.000 χ^2/NDF:10.3/11

+ sign -0.000+/-0.000 χ^2/NDF: 29.6/29

All: -0.000+/-0.000 χ^2/NDF: 55.2/60

- sign -0.000+/-0.000 χ^2/NDF: 25.4/30

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:669984.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

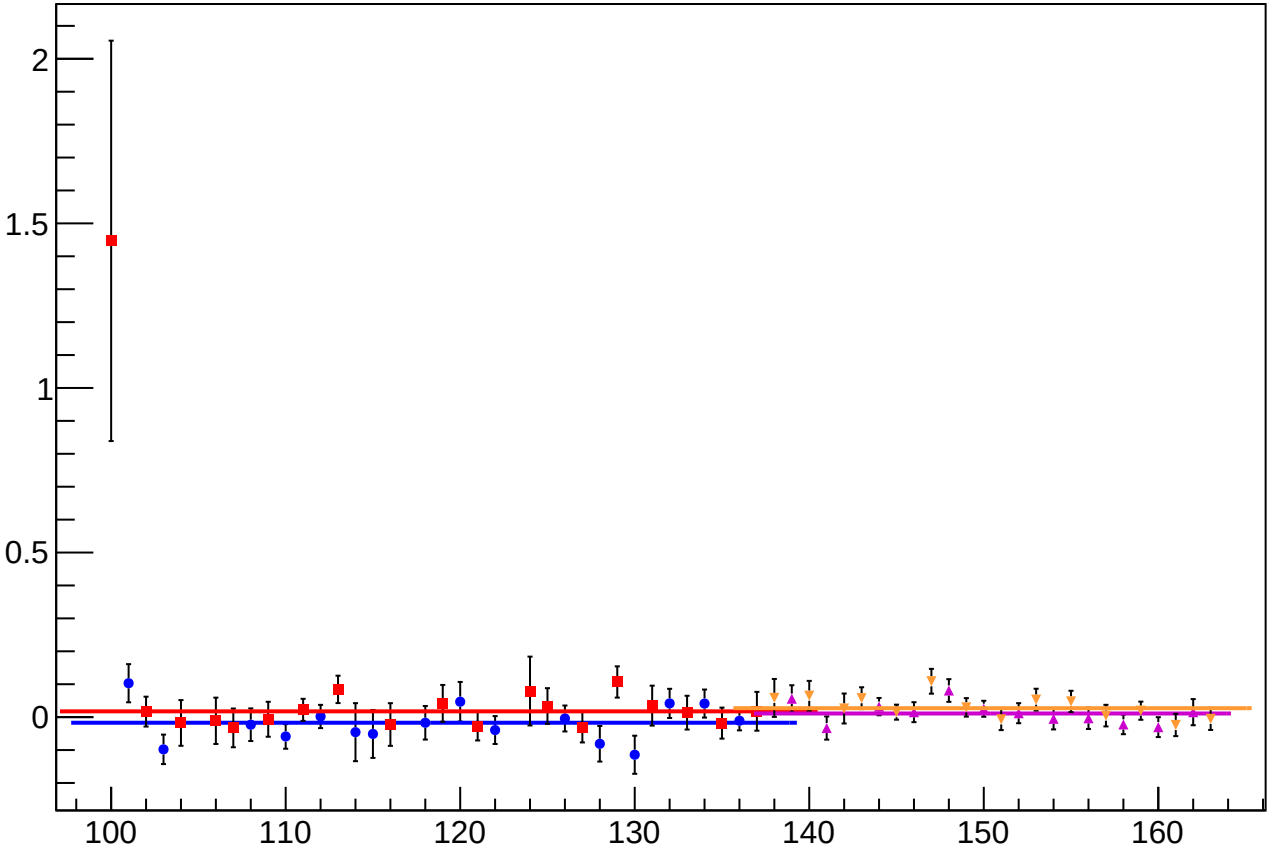
Left In: 0.000+/-0.000 χ^2/NDF:899927.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 2316360.1/29

All: 0.000+/-0.000 χ^2/NDF: 5235769.7/60

- sign 0.000+/-0.000 χ^2/NDF: 2868735.9/30

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: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

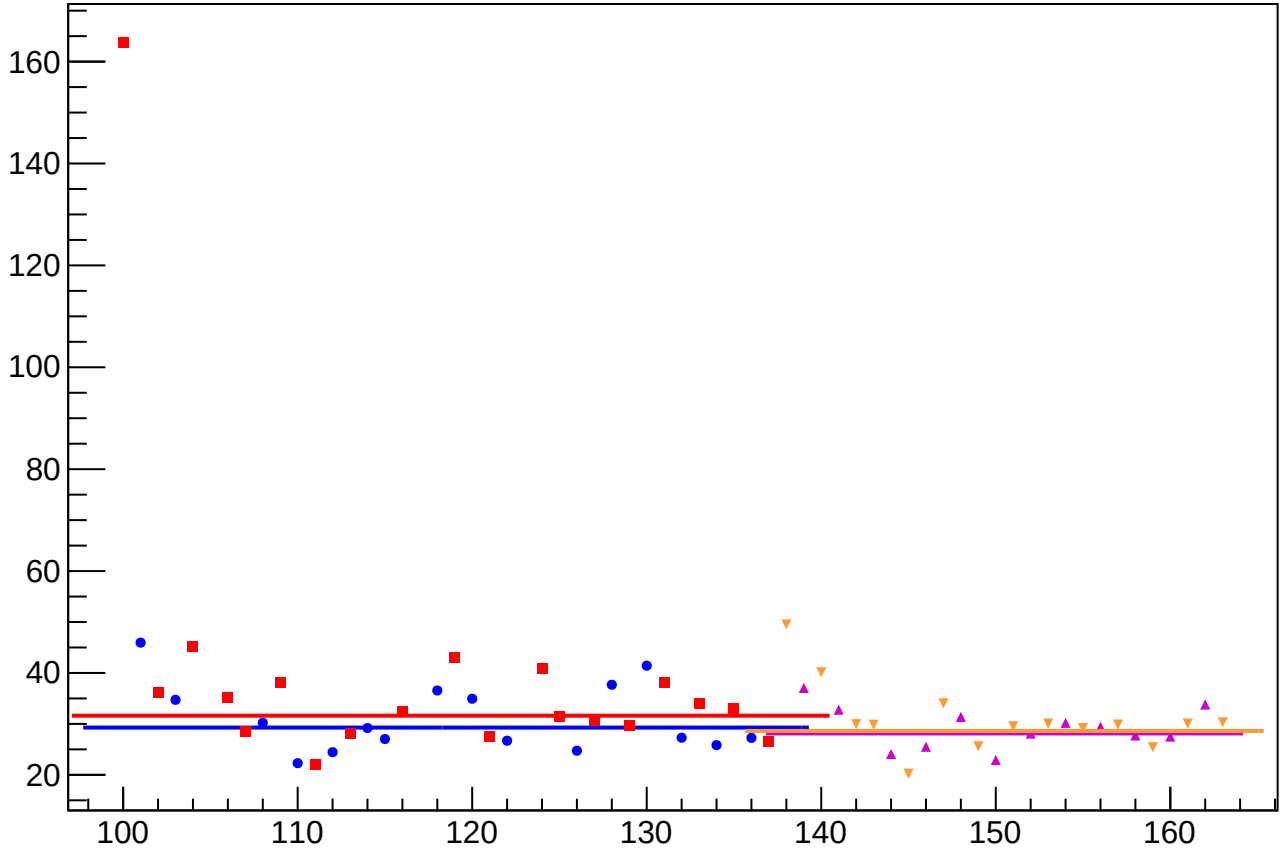
Left In: 0.011+/-0.009 χ^2/NDF:11.5/11

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.6/60

- sign 0.013+/-0.007 χ^2/NDF: 28.5/30

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: 28.617+/-0.006 χ^2/NDF:777934.8/13

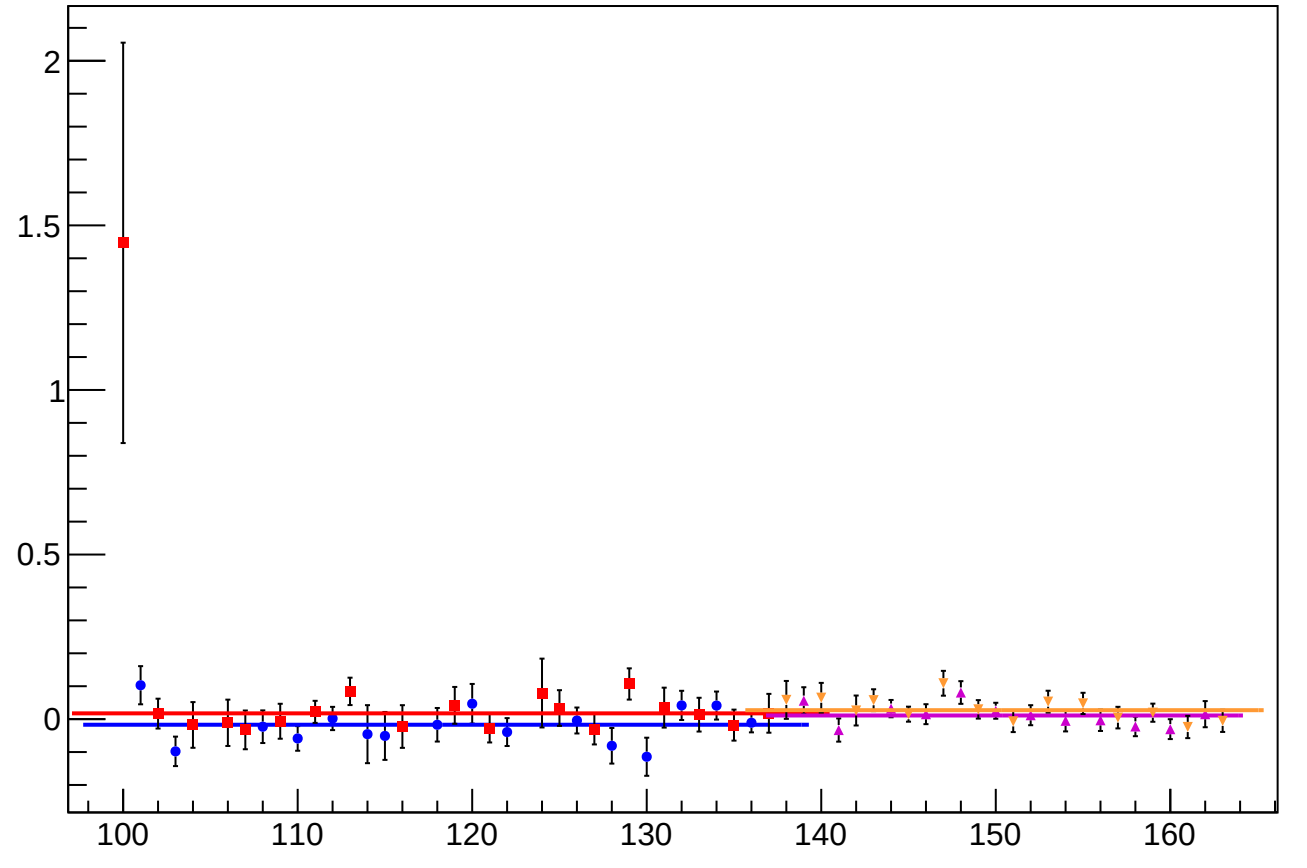
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.129+/-0.006 χ^2/NDF:356838.5/11

+ sign 28.866+/-0.005 χ^2/NDF: 1342831.8/29

All: 29.109+/-0.004 χ^2/NDF: 2383673.8/60

- sign 29.371+/-0.005 χ^2/NDF: 1035767.7/30



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

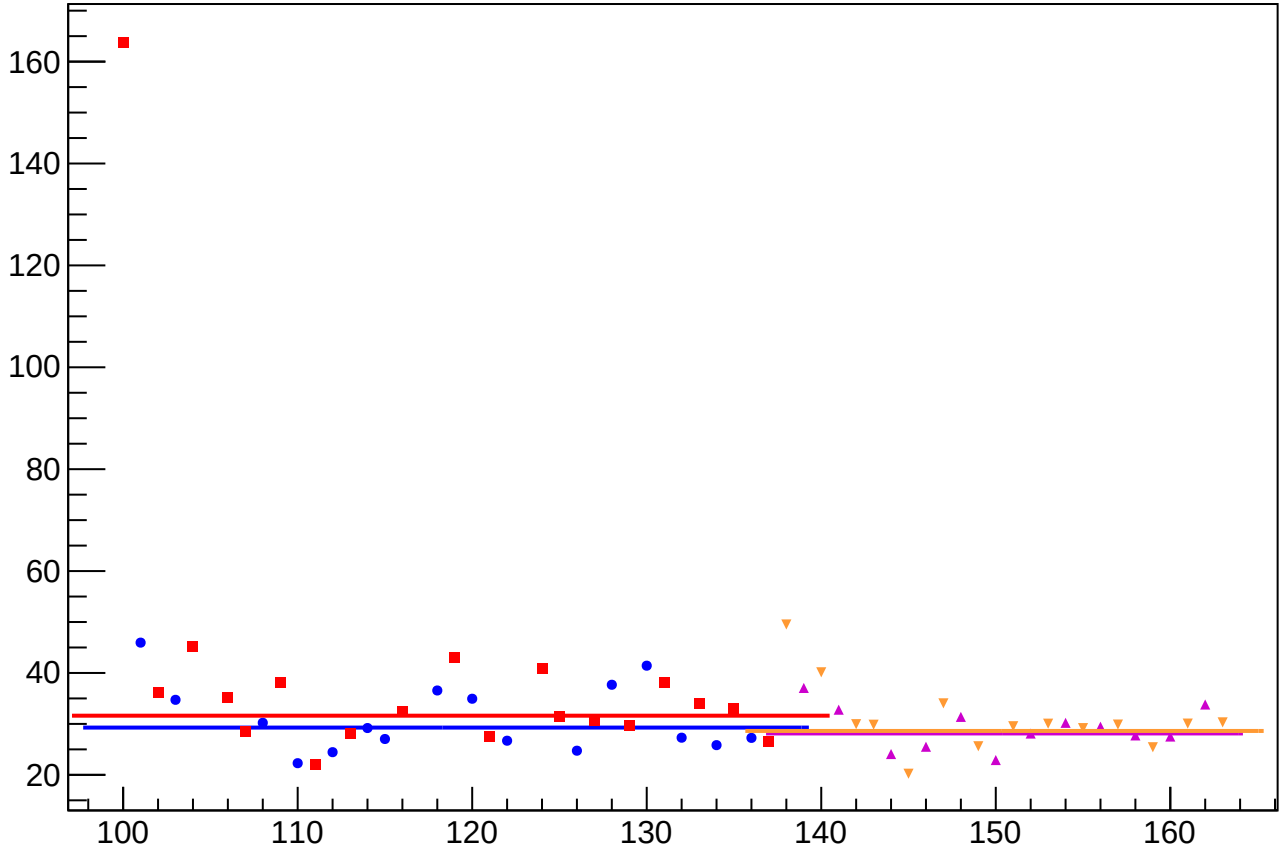
Left In: 0.011+/-0.009 χ^2/NDF:11.5/11

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.6/60

- sign 0.013+/-0.007 χ^2/NDF: 28.5/30

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: 28.617+/-0.006 χ^2/NDF:777934.8/13

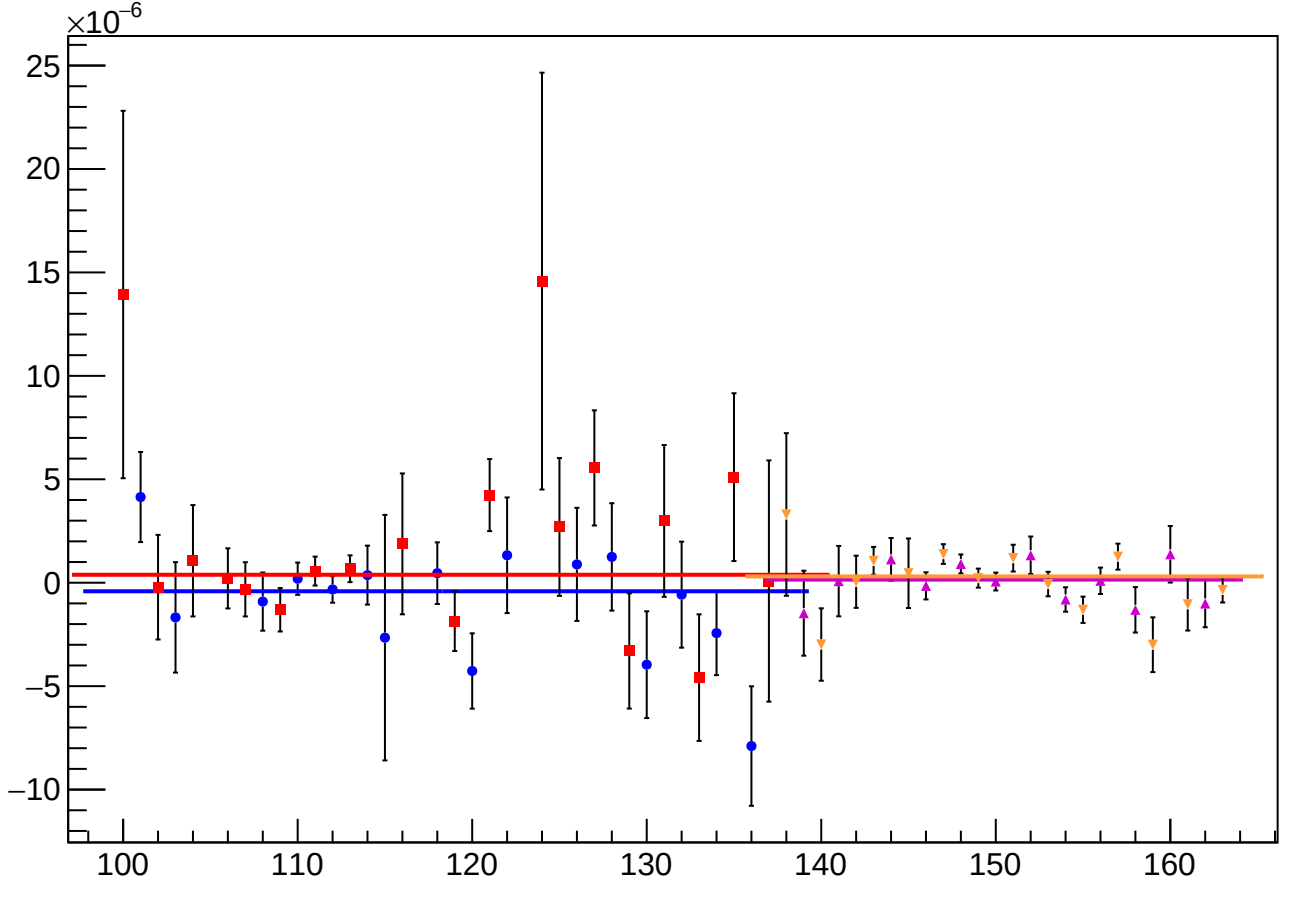
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.129+/-0.006 χ^2/NDF:356838.5/11

+ sign 28.866+/-0.005 χ^2/NDF: 1342831.8/29

All: 29.109+/-0.004 χ^2/NDF: 2383673.8/60

- sign 29.371+/-0.005 χ^2/NDF: 1035767.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/13

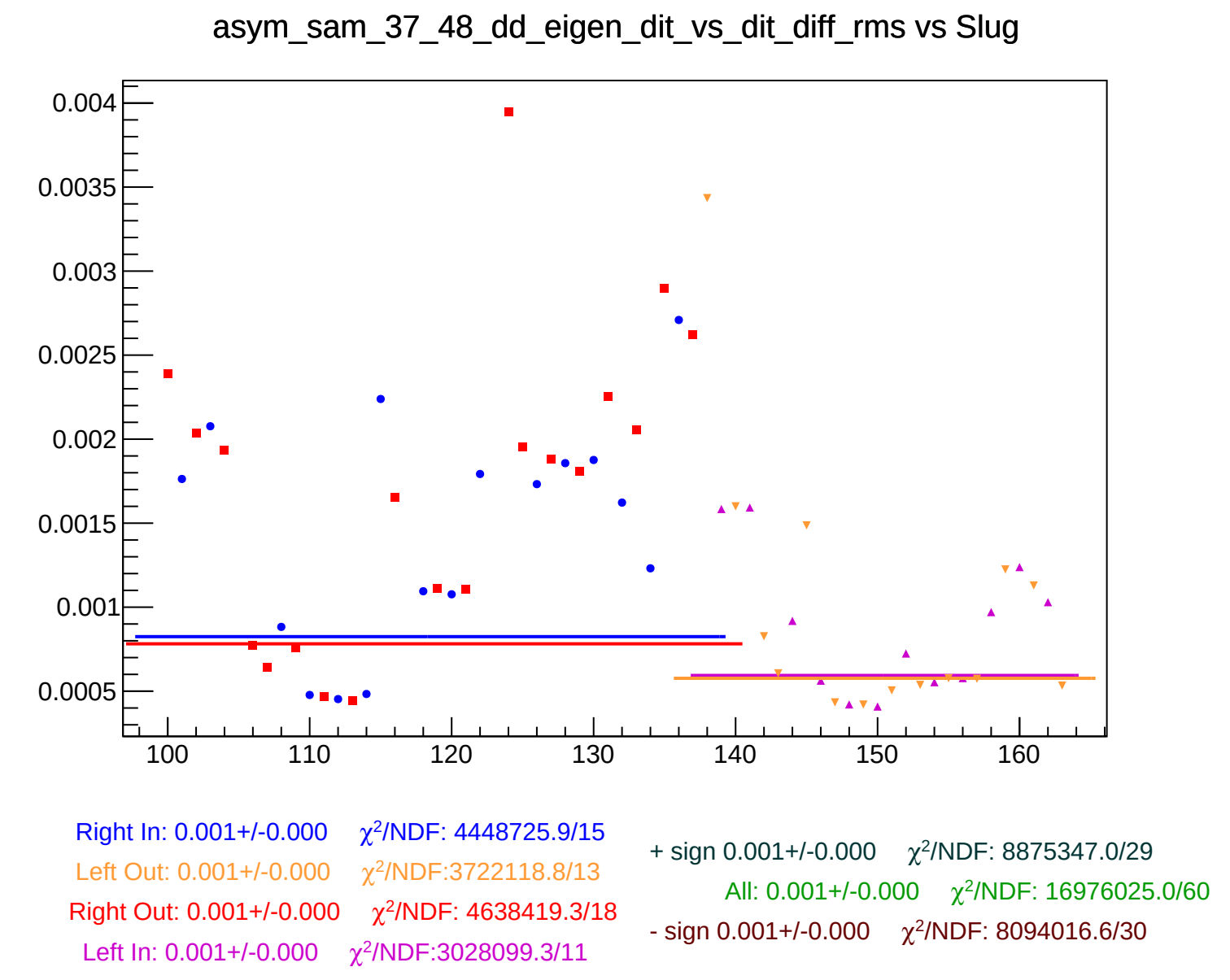
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

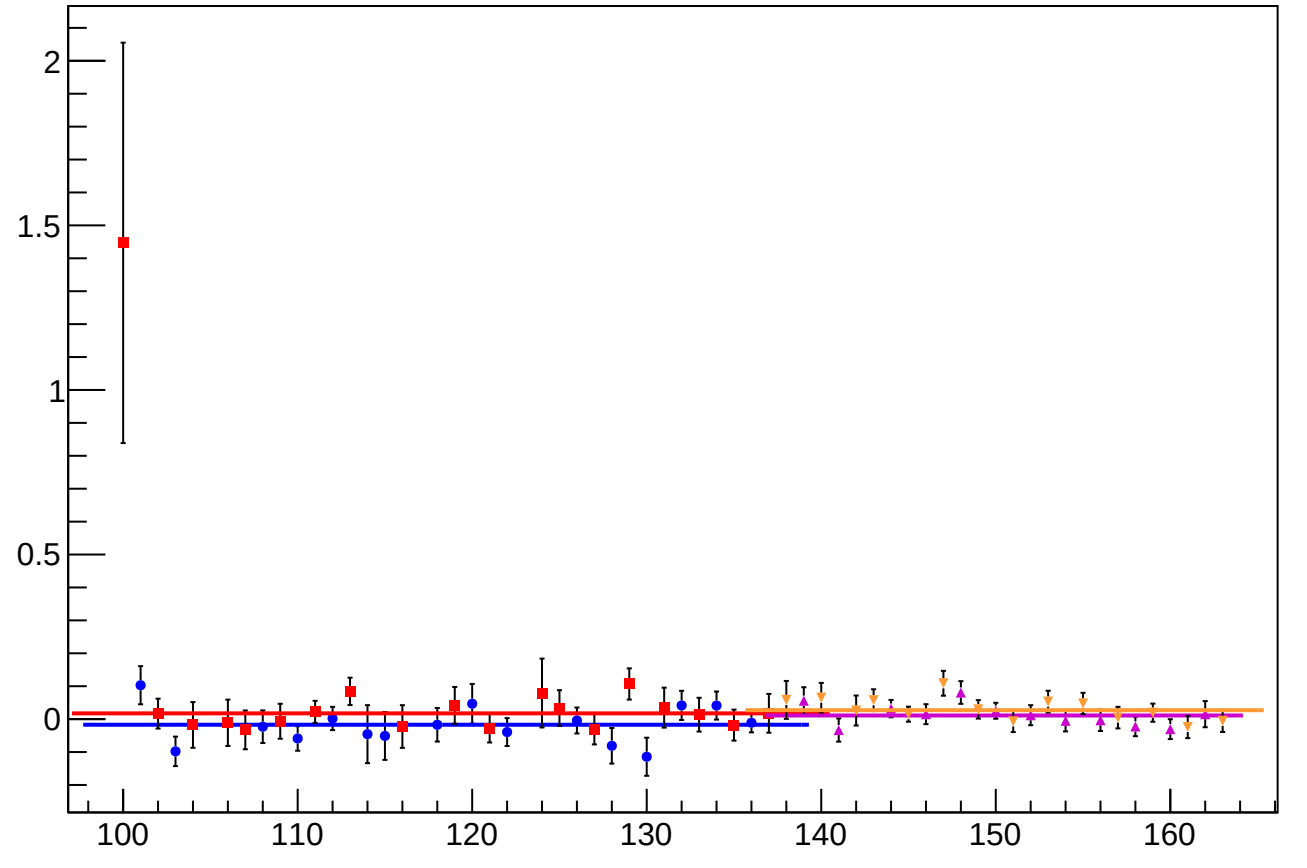
Left In: 0.000+/-0.000 χ^2/NDF:12.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/29

All: 0.000+/-0.000 χ^2/NDF: 92.4/60

- sign 0.000+/-0.000 χ^2/NDF: 38.1/30


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
160
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3722118.8/13
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:3028099.3/11
+ sign 0.001+/-0.000 χ²/NDF: 8875347.0/29
All: 0.001+/-0.000 χ²/NDF: 16976025.0/60
- sign 0.001+/-0.000 χ²/NDF: 8094016.6/30



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

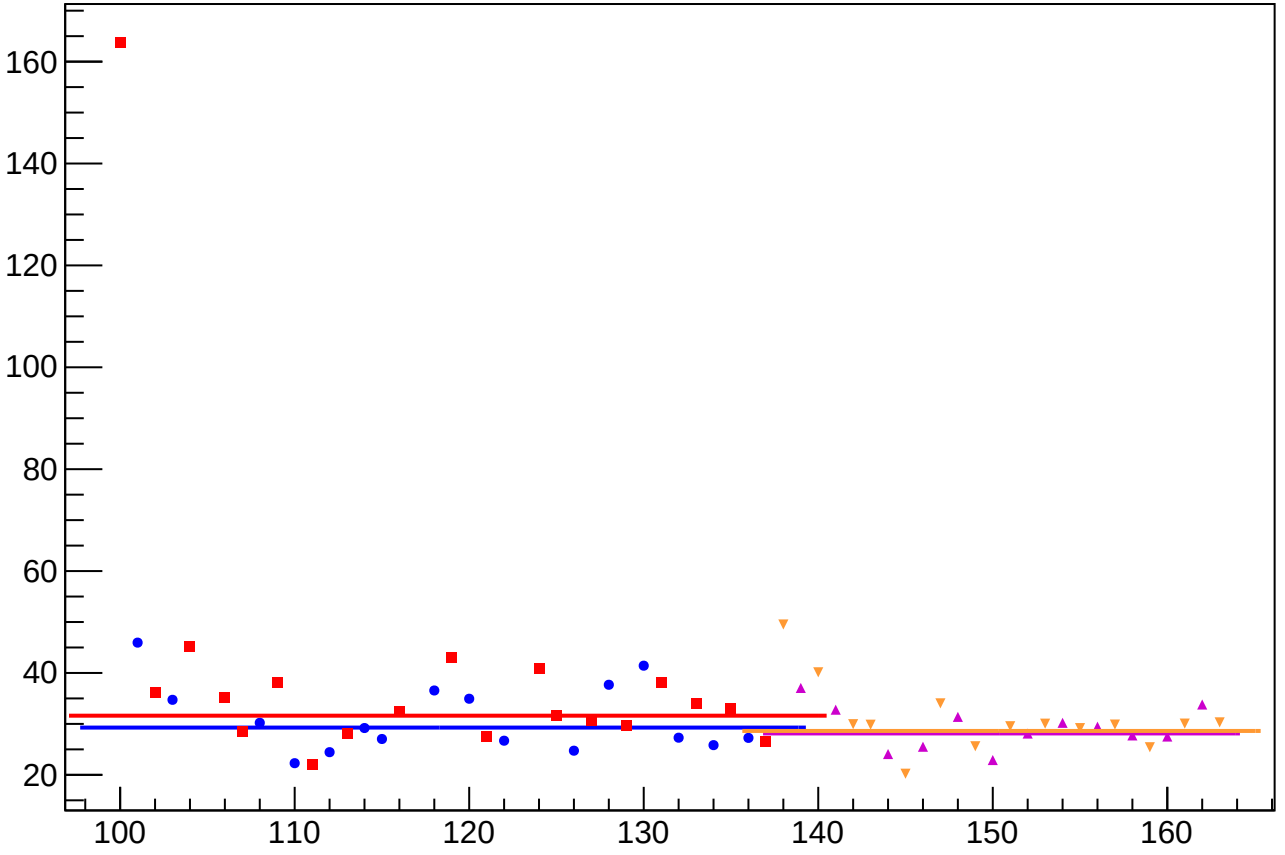
Left In: 0.011+/-0.009 χ^2/NDF:11.5/11

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.6/60

- sign 0.013+/-0.007 χ^2/NDF: 28.5/30

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

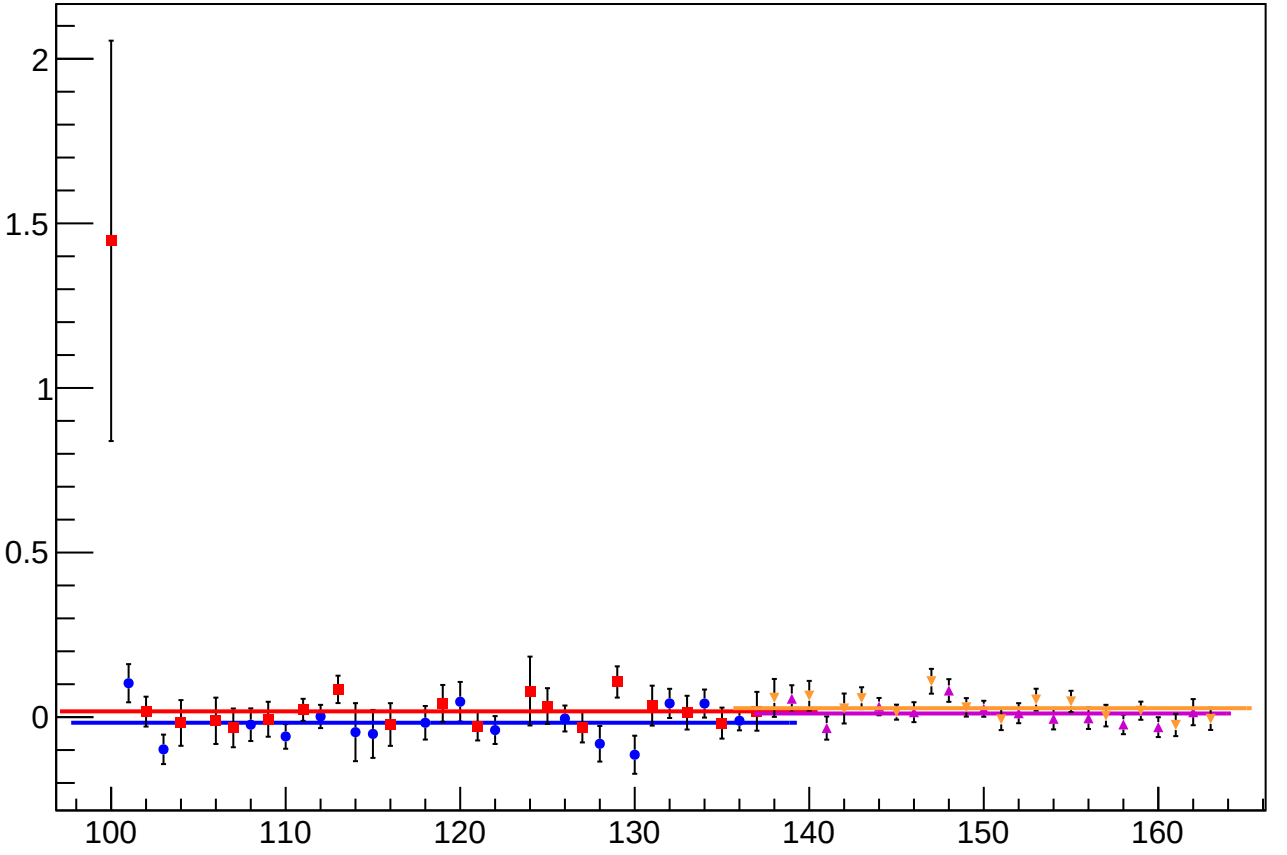
Left In: 28.129+/-0.006 χ^2/NDF:356811.6/11

+ sign 28.866+/-0.005 χ^2/NDF: 1342879.6/29

All: 29.109+/-0.004 χ^2/NDF: 2383709.4/60

- sign 29.371+/-0.005 χ^2/NDF: 1035752.8/30

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: 0.027+/-0.009 χ^2/NDF:12.7/13

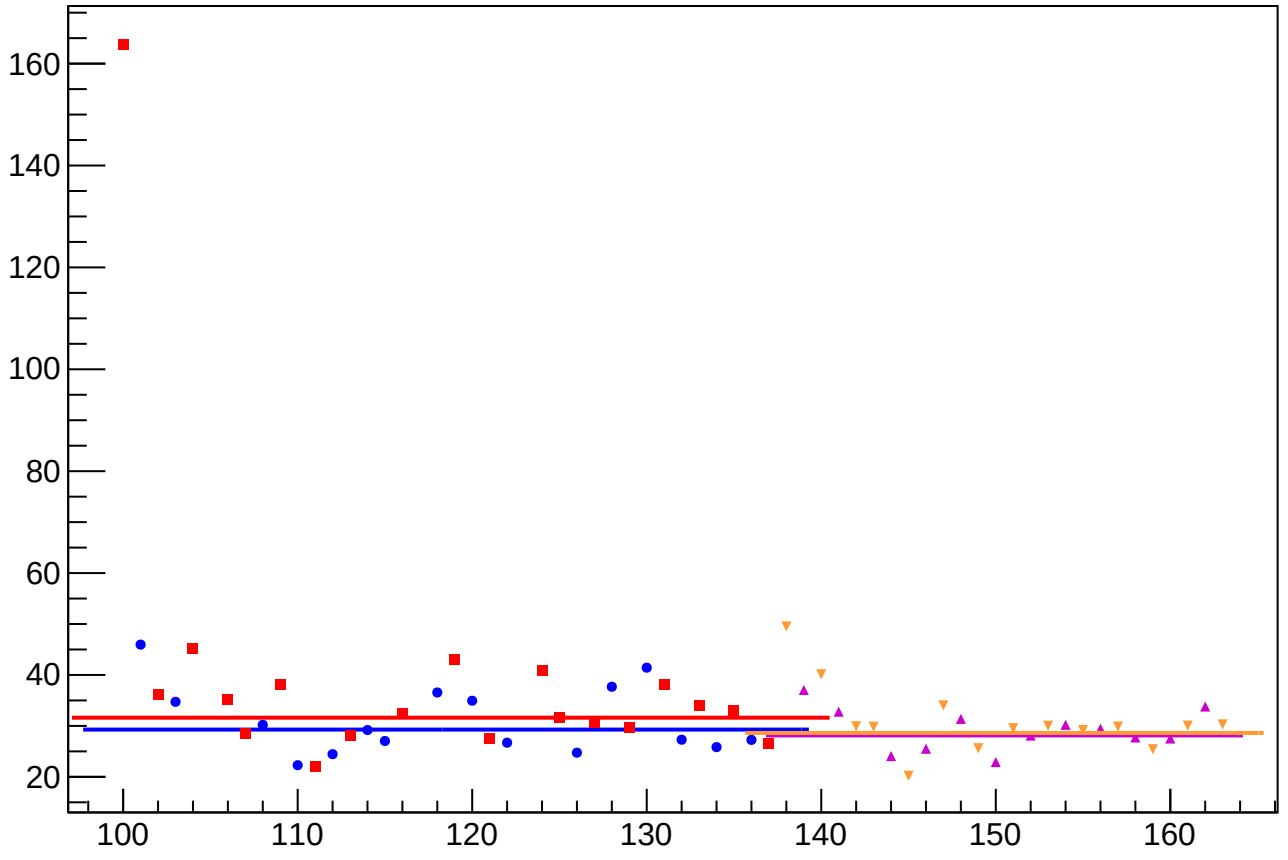
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.011+/-0.009 χ^2/NDF:11.5/11

+ sign 0.011+/-0.007 χ^2/NDF: 41.0/29

All: 0.012+/-0.005 χ^2/NDF: 69.6/60

- sign 0.013+/-0.007 χ^2/NDF: 28.5/30



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.617+/-0.006 χ^2/NDF:777979.5/13

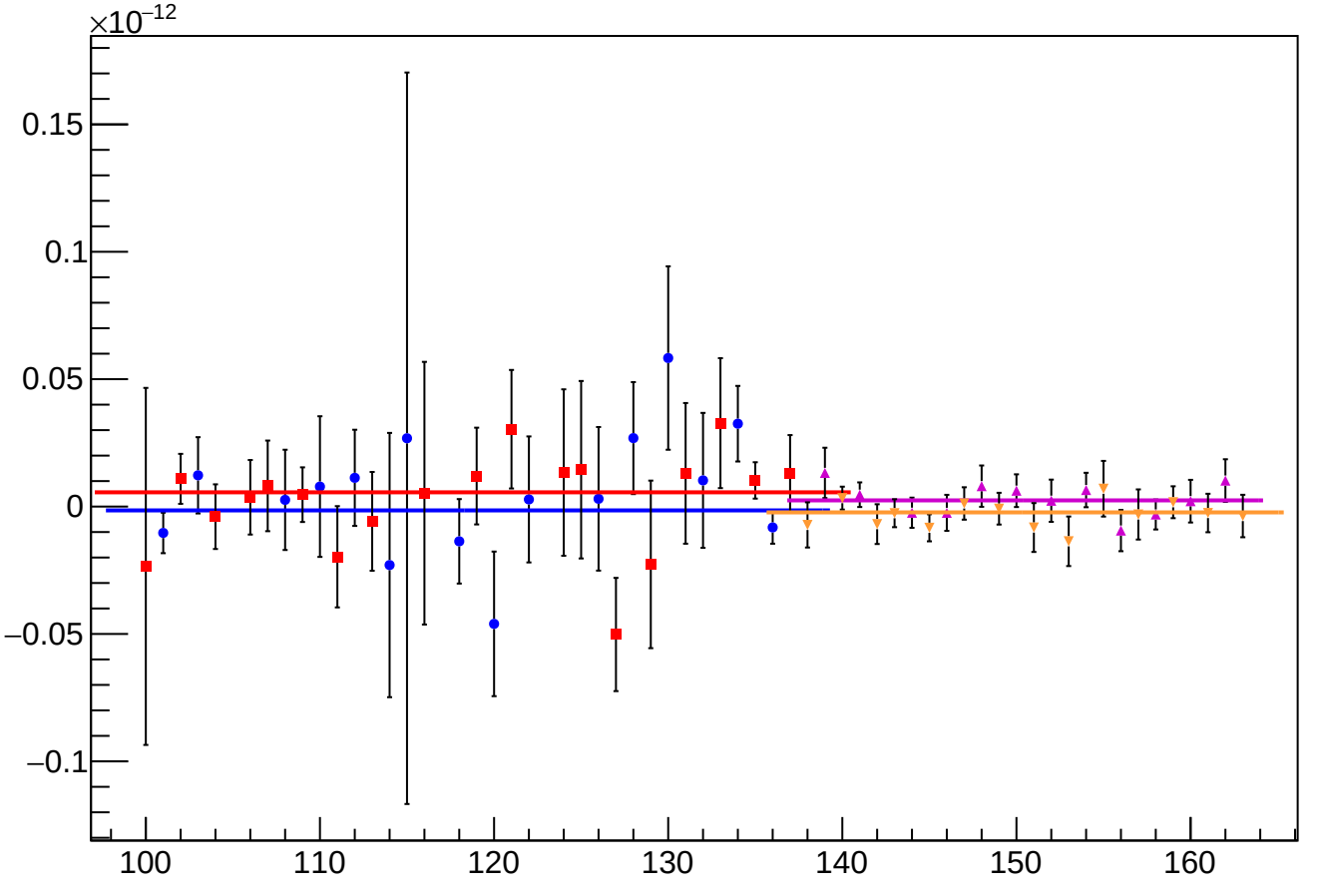
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.129+/-0.006 χ^2/NDF:356811.6/11

+ sign 28.866+/-0.005 χ^2/NDF: 1342879.6/29

All: 29.109+/-0.004 χ^2/NDF: 2383709.4/60

- sign 29.371+/-0.005 χ^2/NDF: 1035752.8/30



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/13

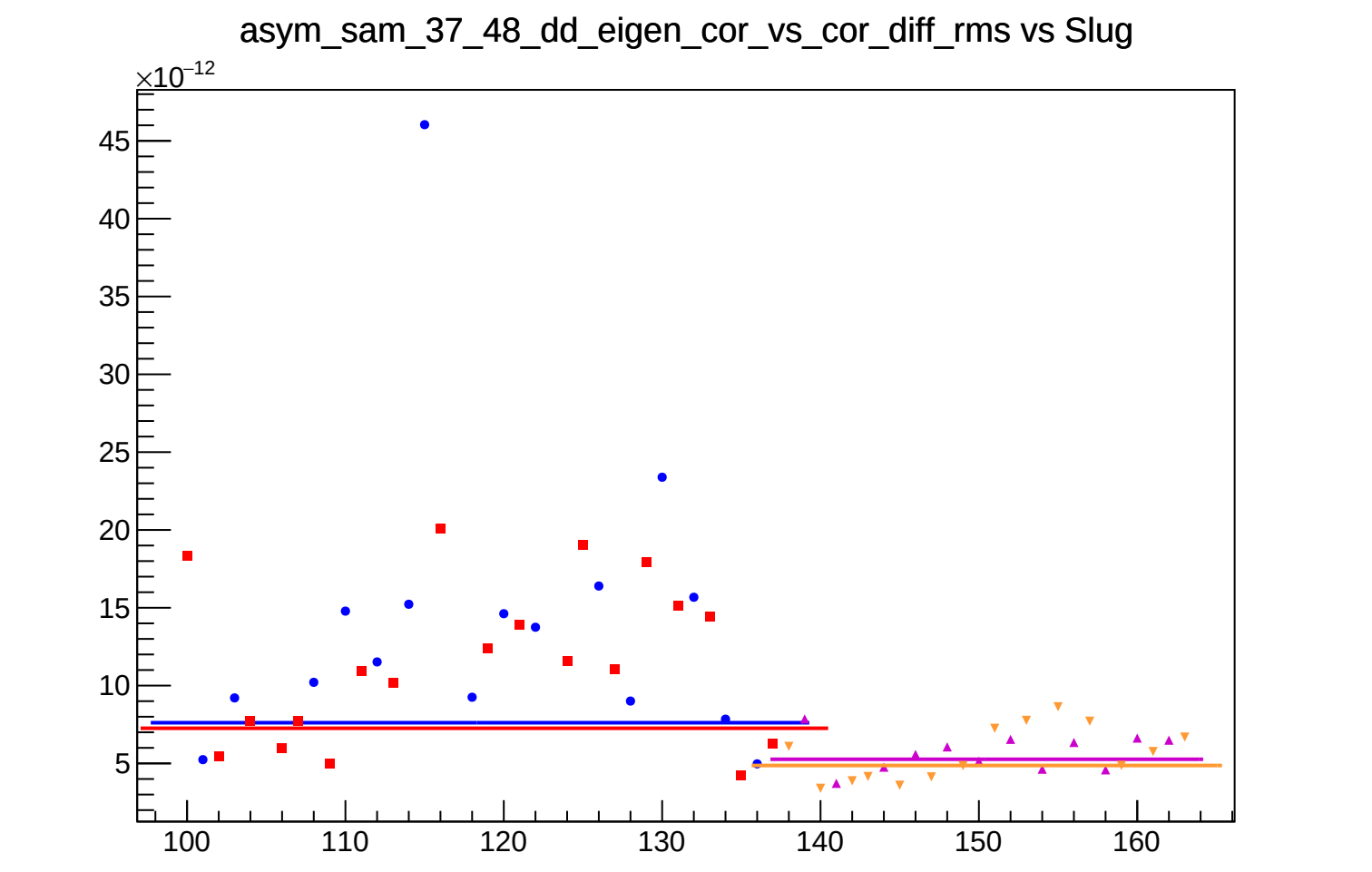
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/11

+ sign -0.000+/-0.000 χ^2/NDF: 23.8/29

All: 0.000+/-0.000 χ^2/NDF: 50.1/60

- sign 0.000+/-0.000 χ^2/NDF: 21.5/30



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288066.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

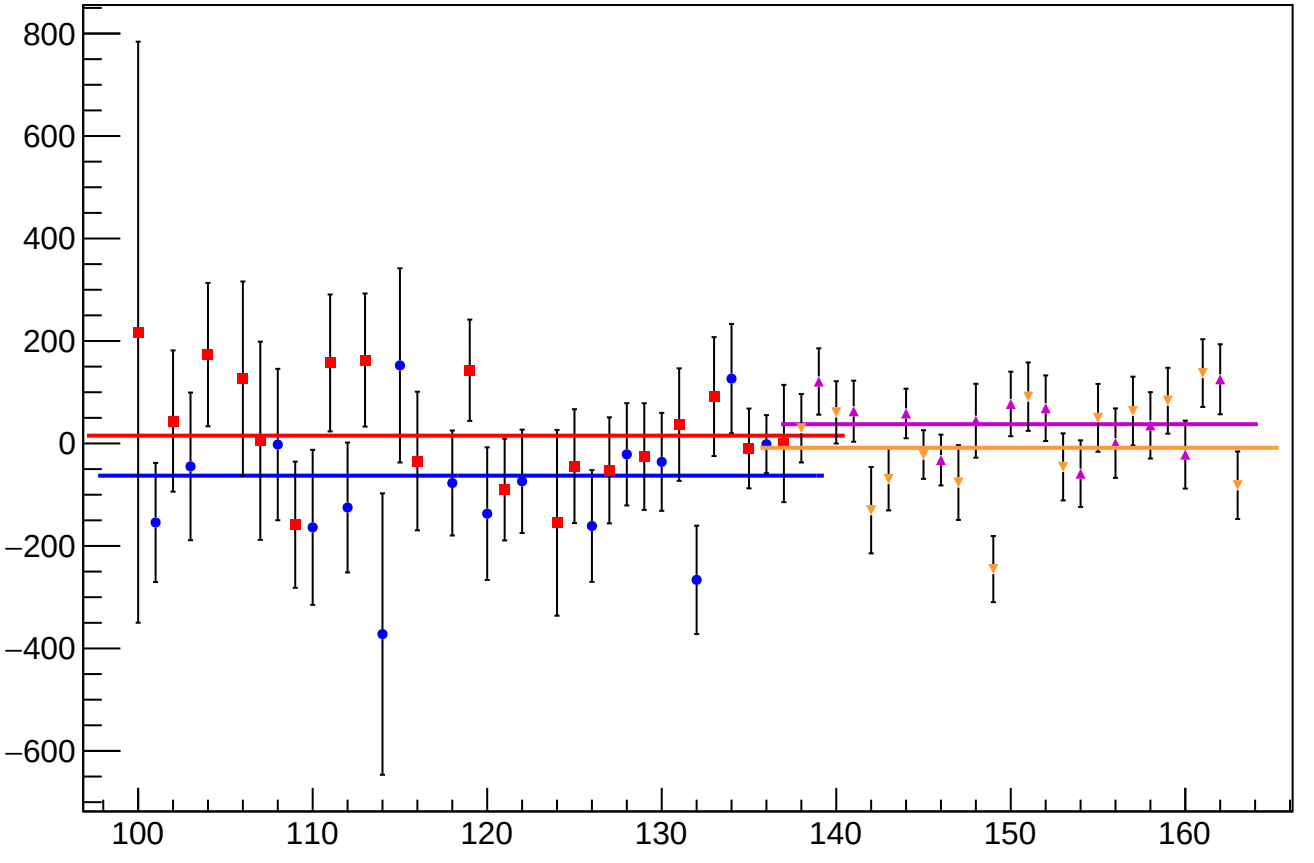
Left In: 0.000+/-0.000 χ^2/NDF:604933.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 4148876.0/29

All: 0.000+/-0.000 χ^2/NDF: 7251129.8/60

- sign 0.000+/-0.000 χ^2/NDF: 3062139.7/30

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.416+/-17.189 χ^2/NDF:31.7/13

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

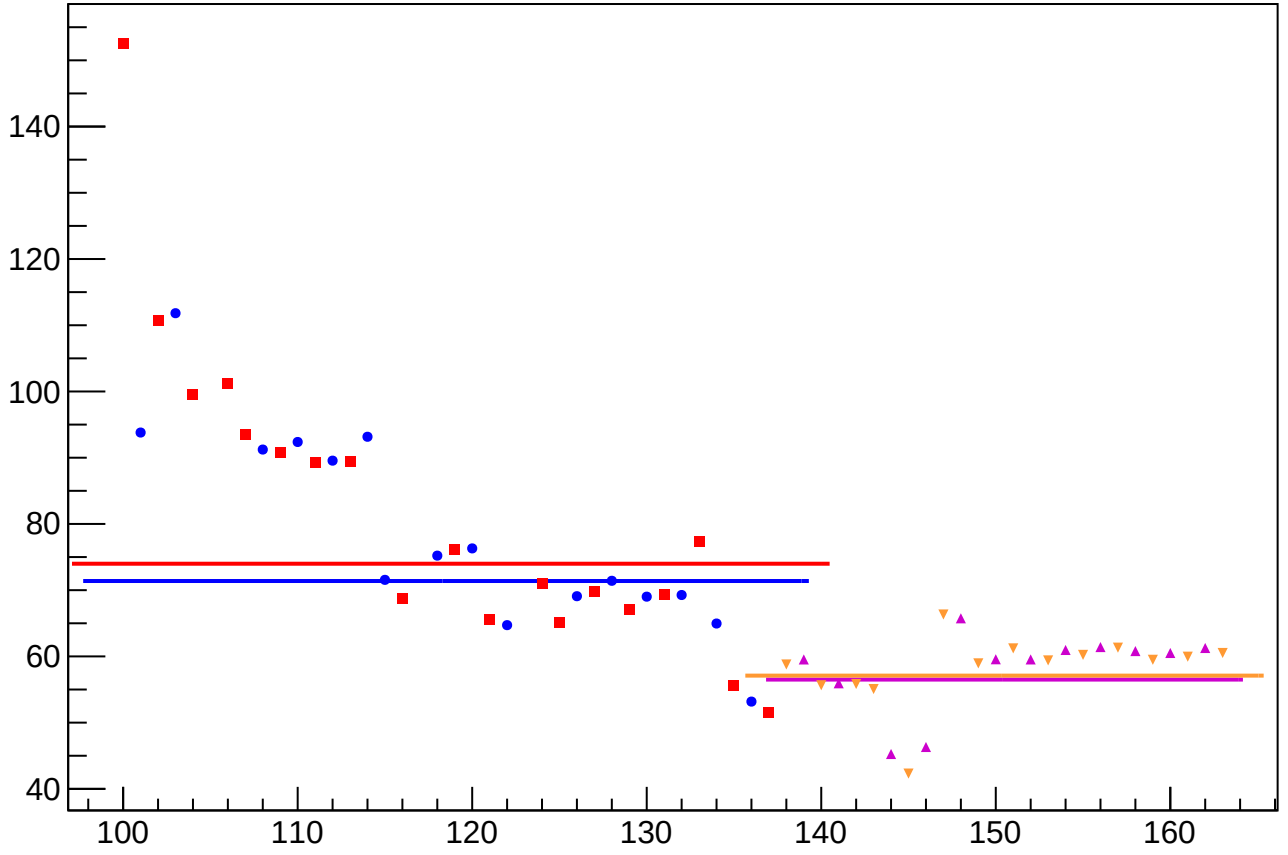
Left In: 37.649+/-17.736 χ^2/NDF:9.6/11

+ sign -23.926+/-14.533 χ^2/NDF: 48.1/29

All: 2.848+/-10.420 χ^2/NDF: 76.6/60

- sign 31.171+/-14.947 χ^2/NDF: 21.5/30

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

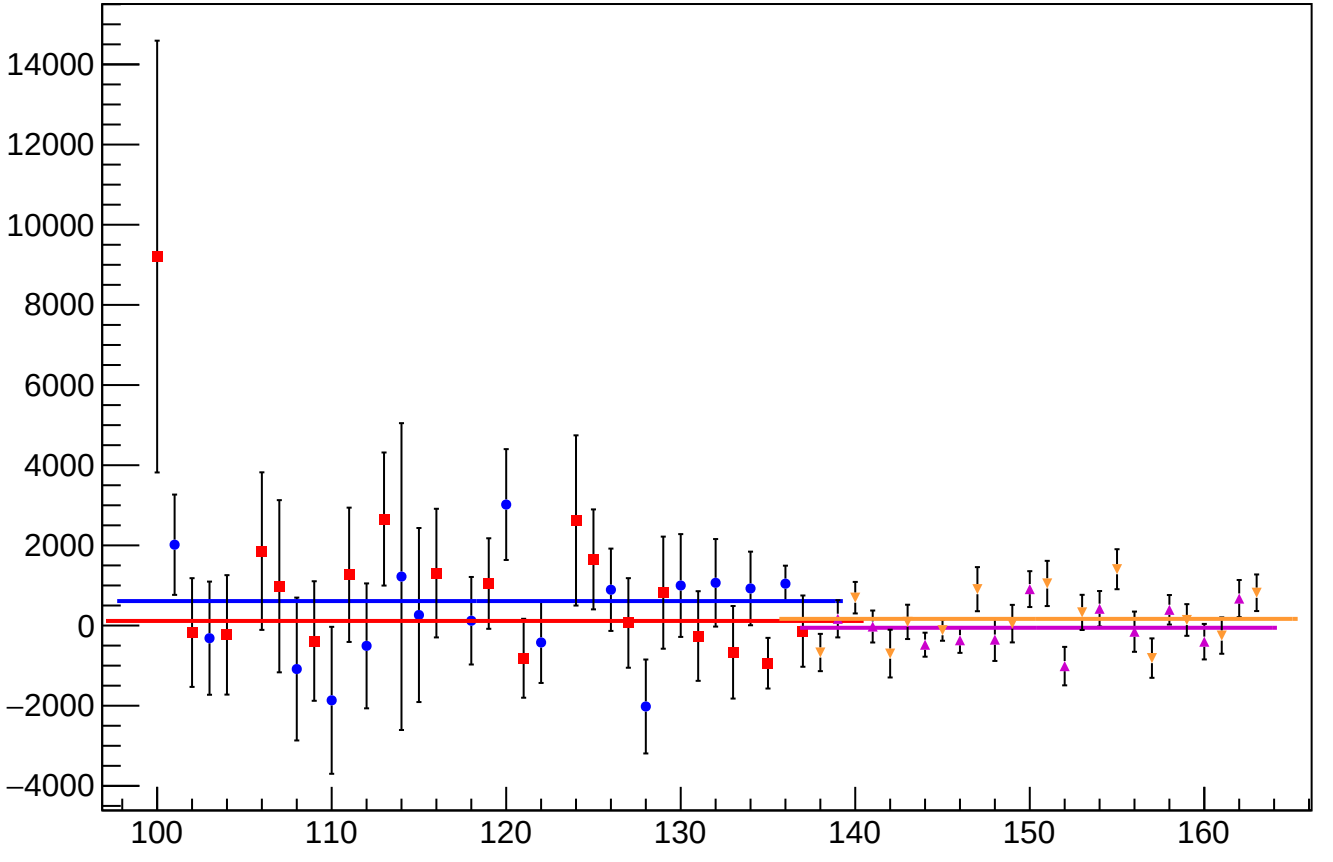
Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

+ sign 61.172+/-0.010 χ^2/NDF: 1252205.7/29

All: 61.365+/-0.007 χ^2/NDF: 2740287.1/60

- sign 61.569+/-0.011 χ^2/NDF: 1487357.7/30

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 166.540+/-116.127 χ^2/NDF:25.8/13

Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

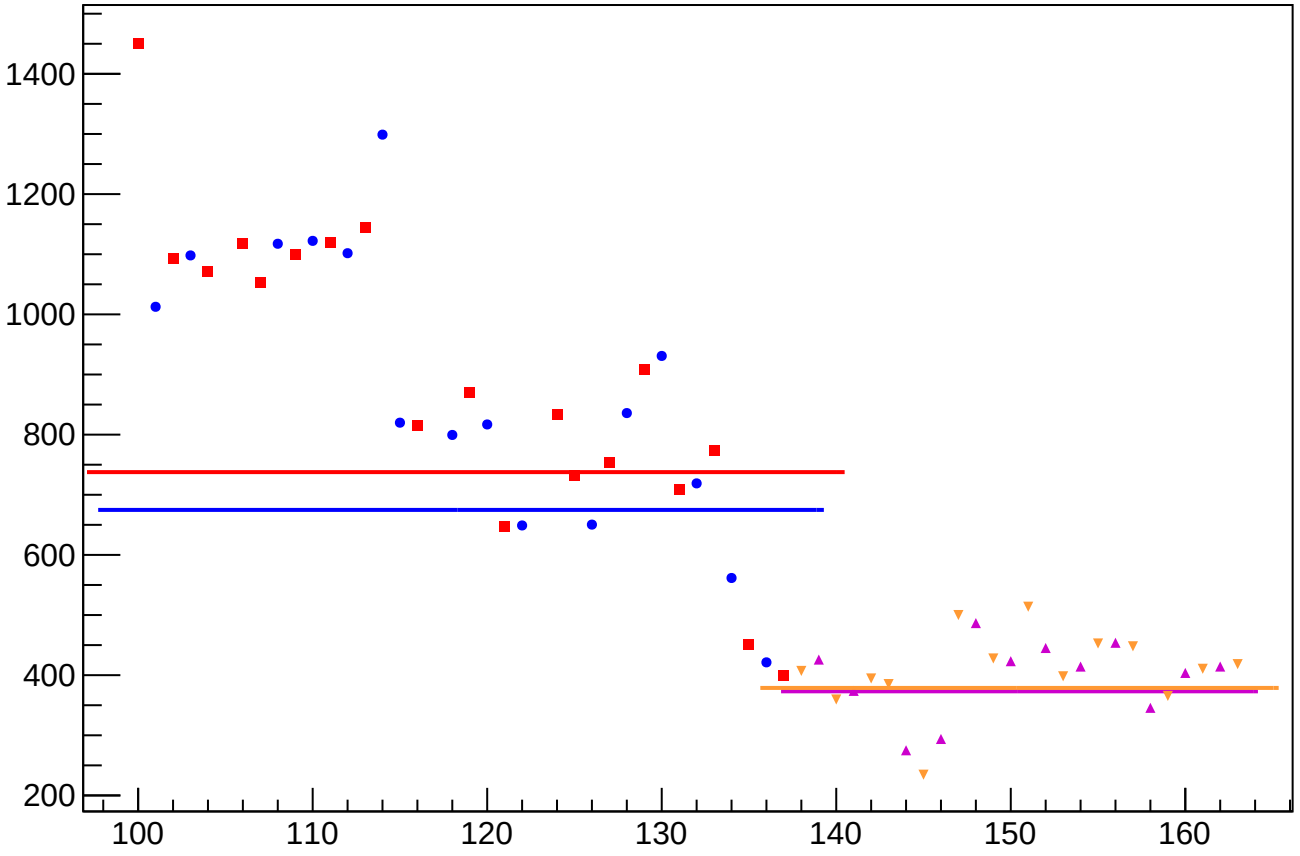
Left In: -55.766+/-118.494 χ^2/NDF:17.9/11

+ sign 237.261+/-106.478 χ^2/NDF: 43.9/29

All: 106.949+/-76.295 χ^2/NDF: 80.7/60

- sign -30.548+/-109.375 χ^2/NDF: 33.8/30

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 378.797+/-0.082 χ^2/NDF:960929.6/13

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

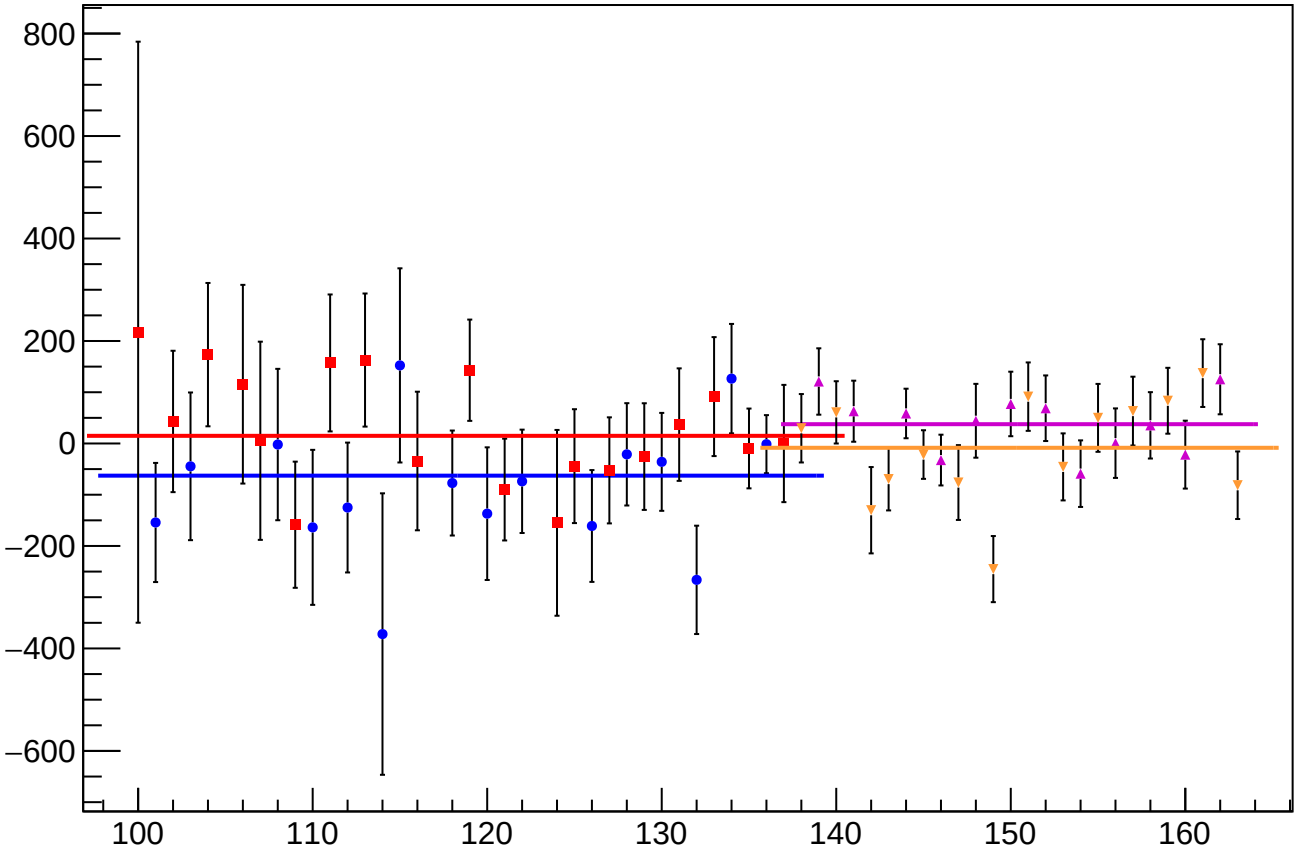
Left In: 373.140+/-0.084 χ^2/NDF:633287.1/11

\+ sign 425.947+/-0.075 χ^2/NDF: 4648609.1/29

All: 426.503+/-0.054 χ^2/NDF: 9600055.9/60

\- sign 427.089+/-0.077 χ^2/NDF: 4951335.0/30

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

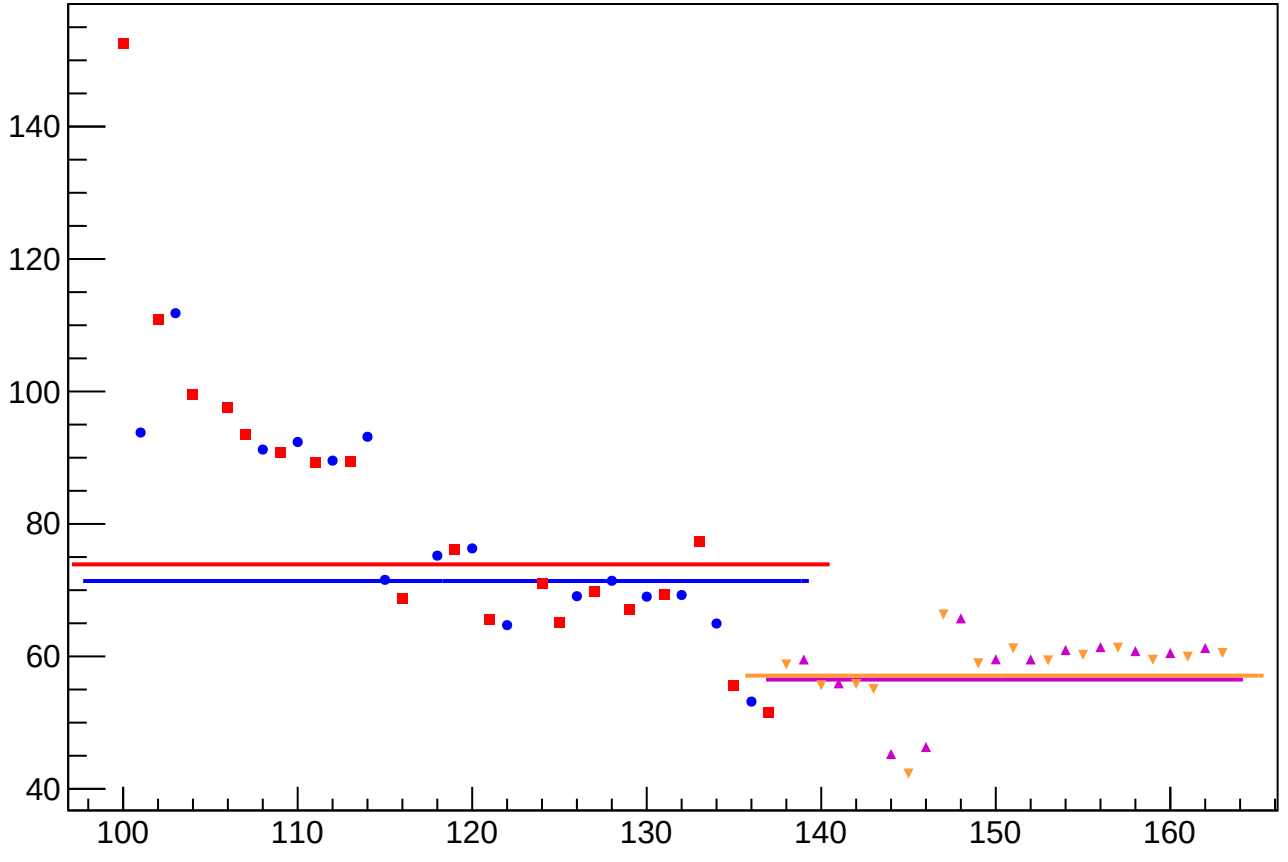
Left In: 37.649+/-17.736 χ^2/NDF:9.6/11

+ sign -23.924+/-14.533 χ^2/NDF: 48.1/29

All: 2.797+/-10.420 χ^2/NDF: 76.5/60

- sign 31.072+/-14.949 χ^2/NDF: 21.5/30

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

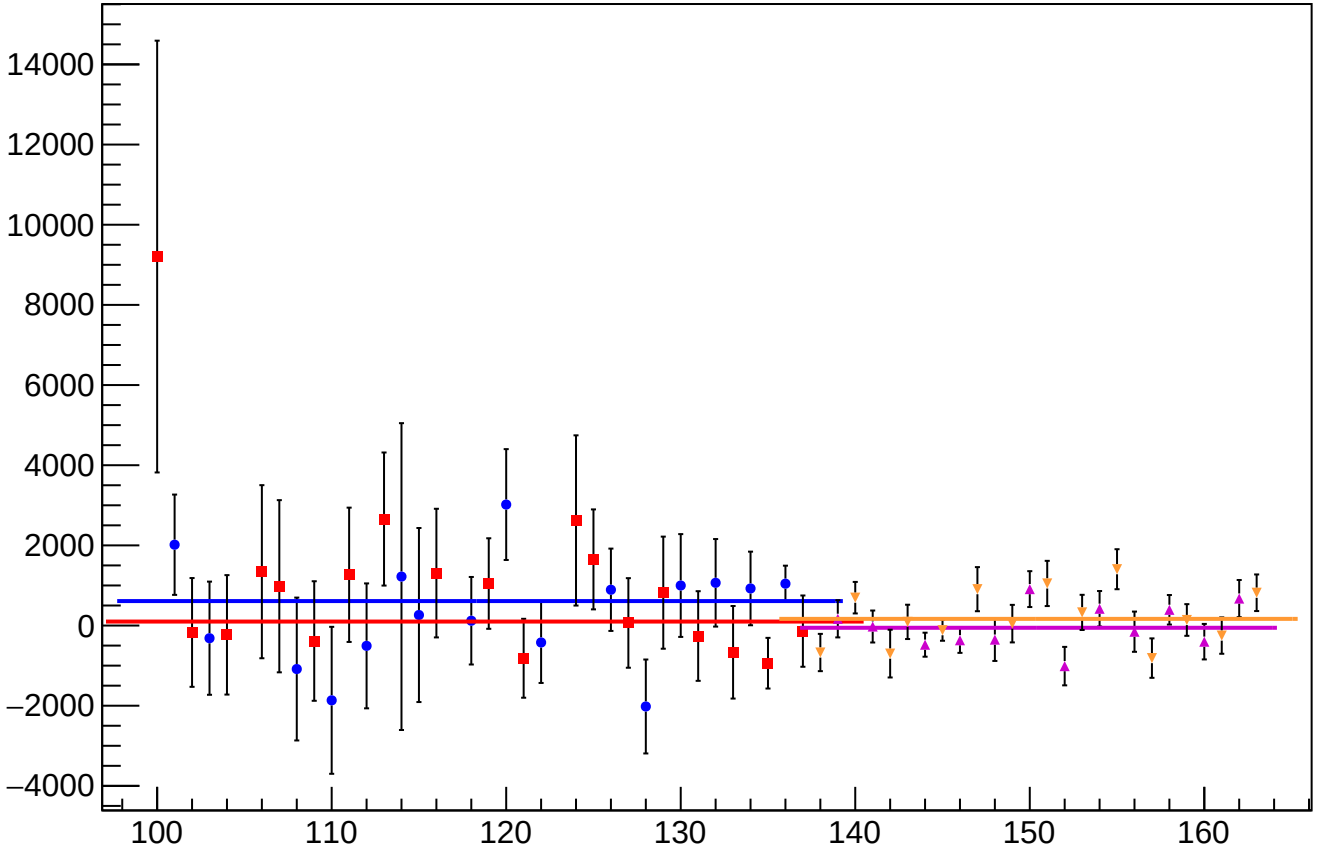
Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

+ sign 61.172+/-0.010 χ^2/NDF: 1252208.4/29

All: 61.349+/-0.007 χ^2/NDF: 2721957.9/60

- sign 61.536+/-0.011 χ^2/NDF: 1469139.0/30

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

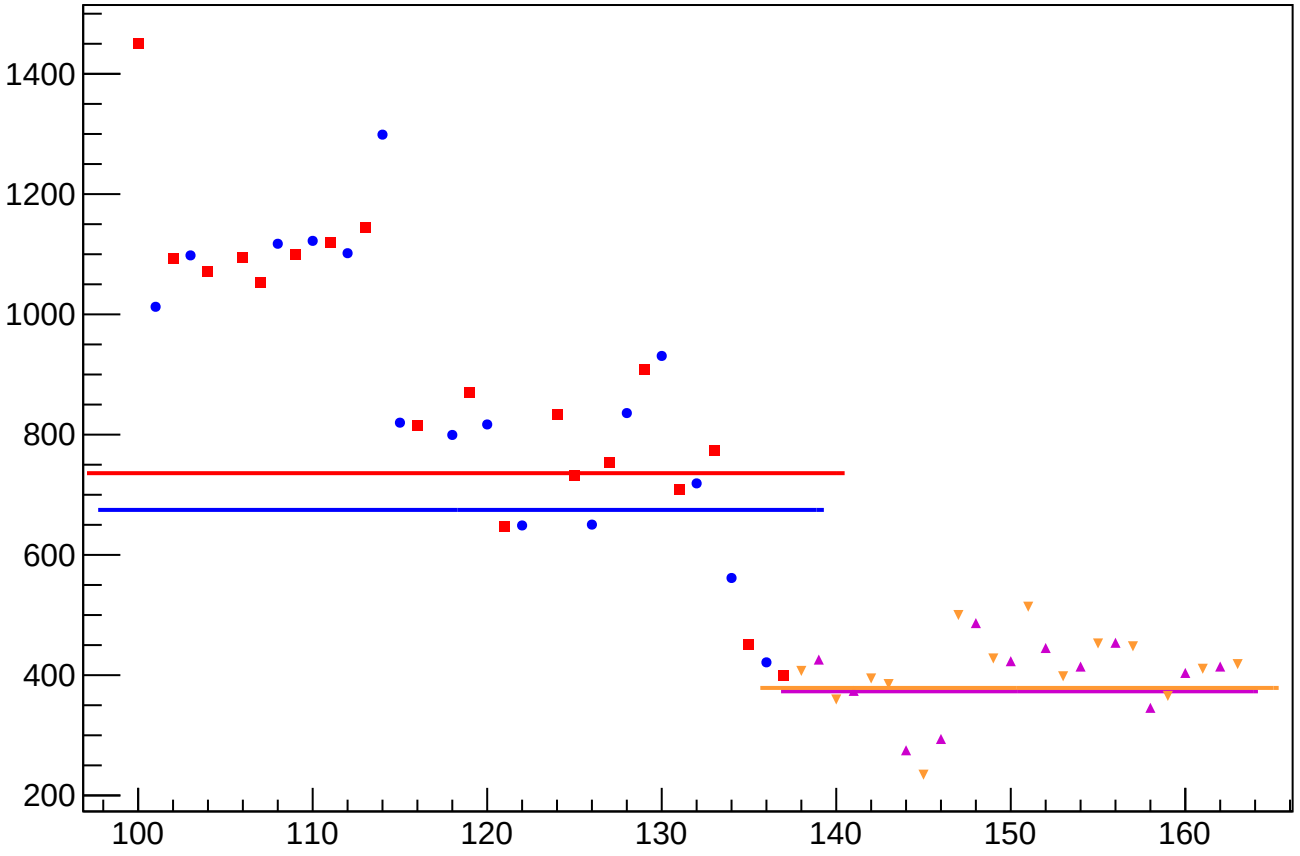
Left In: -55.763+/-118.494 χ^2/NDF:17.9/11

+ sign 237.256+/-106.478 χ^2/NDF: 43.9/29

All: 105.864+/-76.305 χ^2/NDF: 80.2/60

- sign -32.848+/-109.404 χ^2/NDF: 33.2/30

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

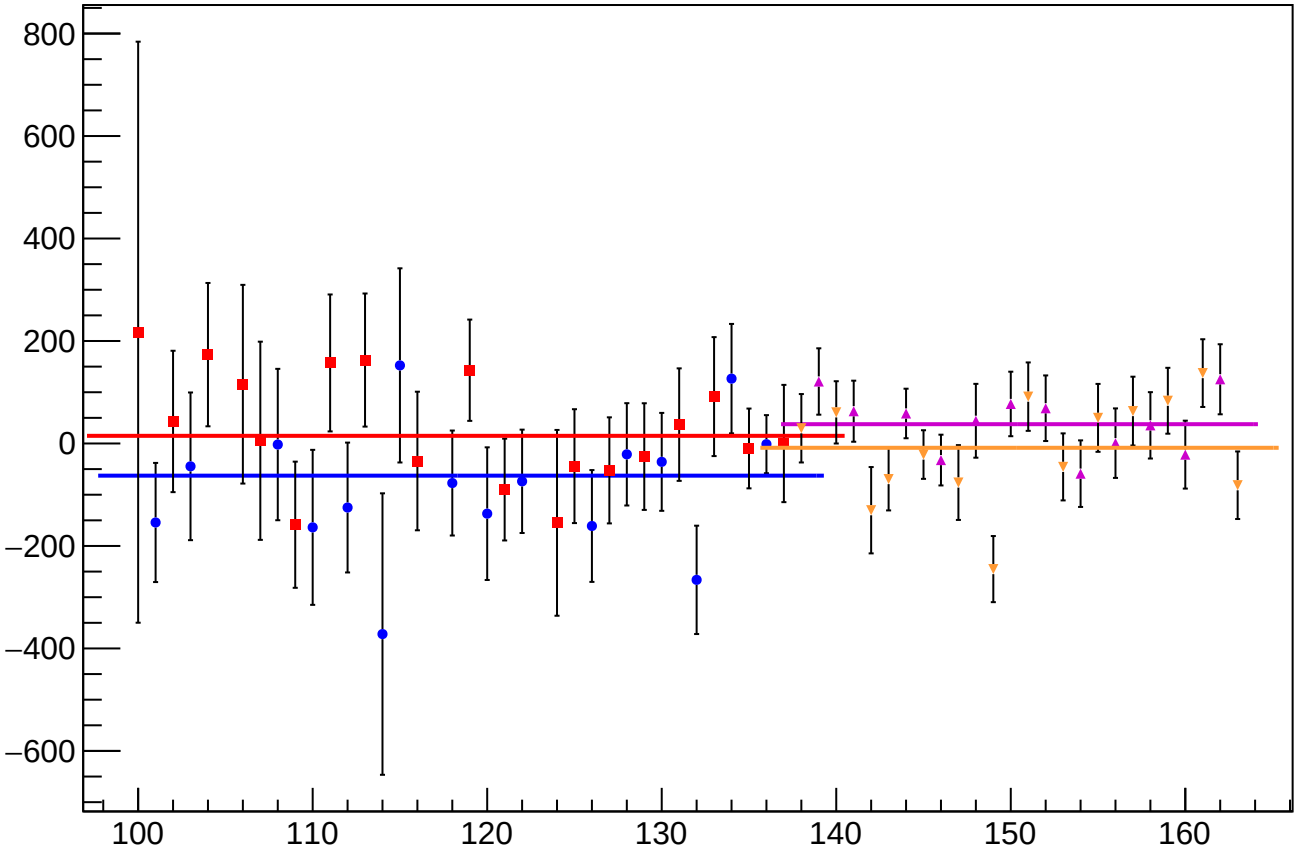
Left In: 373.140+/-0.084 χ^2/NDF:633288.3/11

\+ sign 425.947+/-0.075 χ^2/NDF: 4648643.3/29

All: 426.295+/-0.054 χ^2/NDF: 9544731.9/60

\- sign 426.663+/-0.077 χ^2/NDF: 4896044.7/30

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

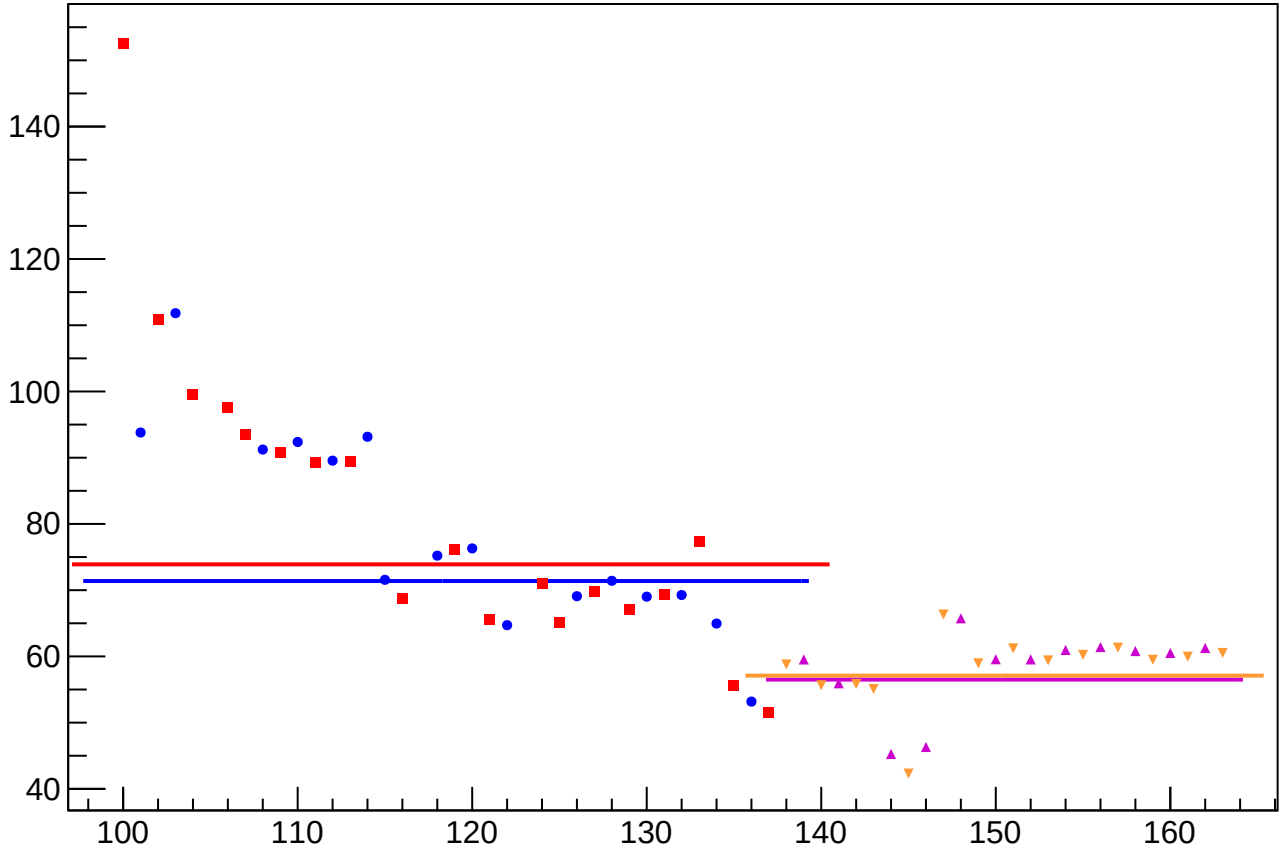
Left In: 37.649+/-17.736 χ^2/NDF:9.6/11

+ sign -23.924+/-14.533 χ^2/NDF: 48.1/29

All: 2.797+/-10.420 χ^2/NDF: 76.5/60

- sign 31.072+/-14.949 χ^2/NDF: 21.5/30

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

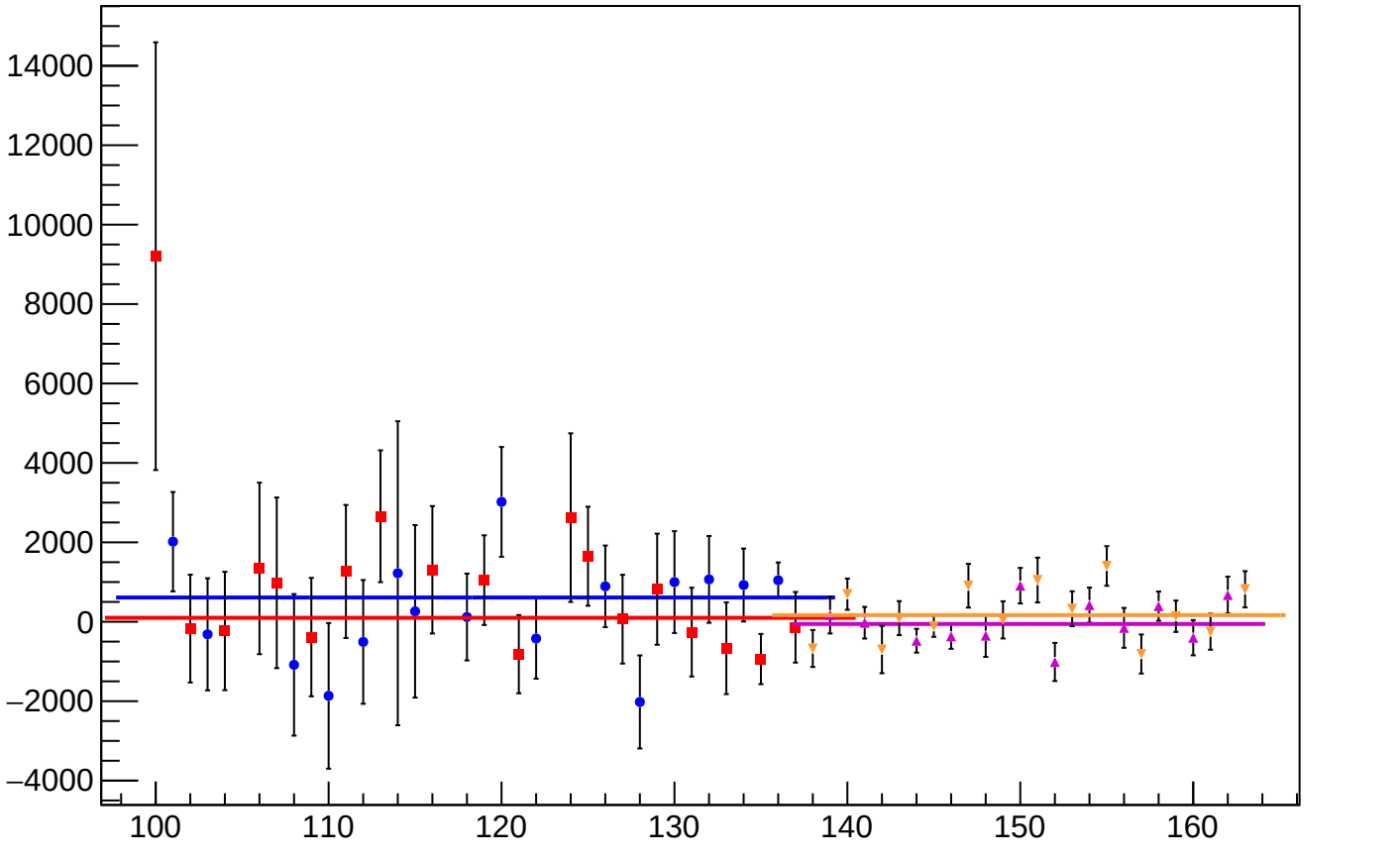
Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

+ sign 61.172+/-0.010 χ^2/NDF: 1252208.4/29

All: 61.349+/-0.007 χ^2/NDF: 2721957.9/60

- sign 61.536+/-0.011 χ^2/NDF: 1469139.0/30



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

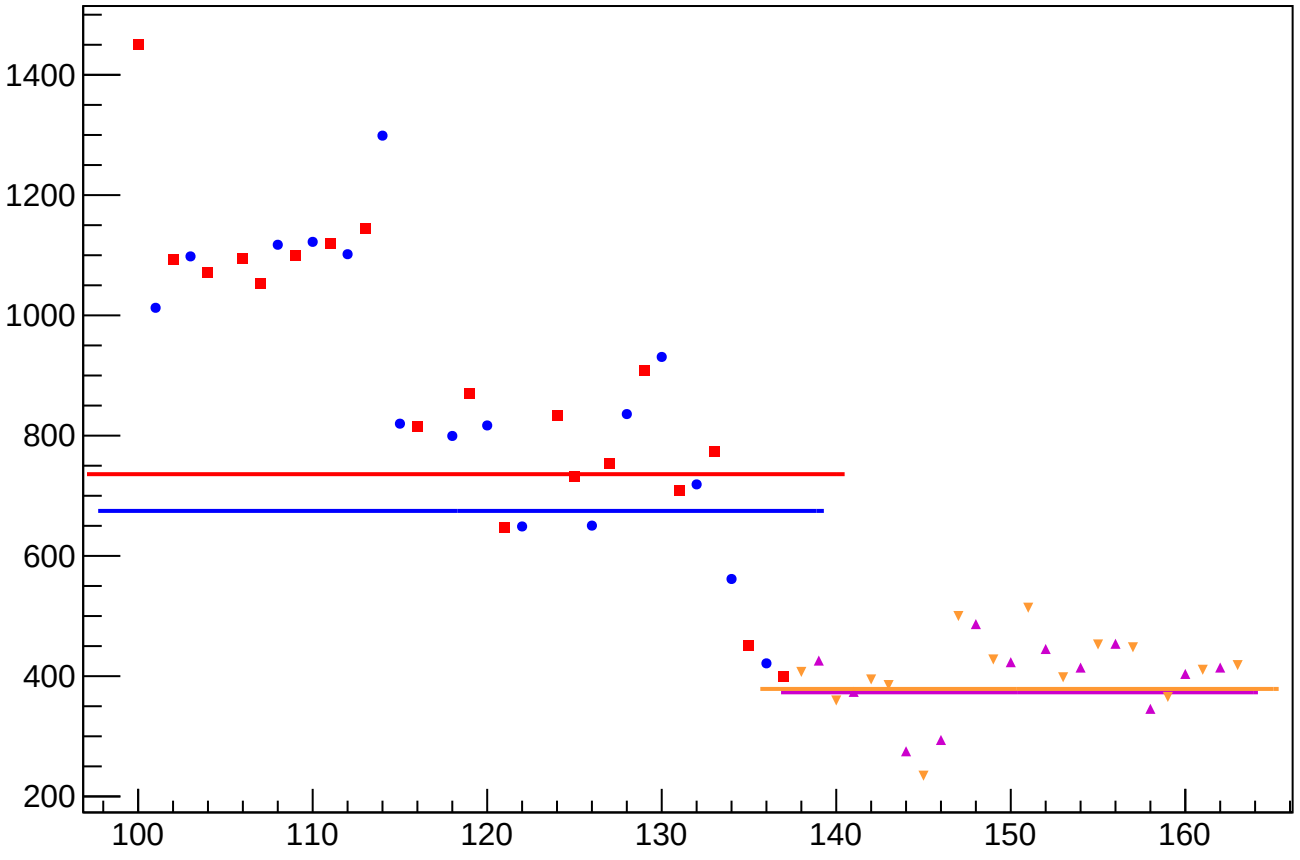
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -55.763+/-118.494 χ^2/NDF:17.9/11

\+ sign 237.256+/-106.478 χ^2/NDF: 43.9/29

All: 105.864+/-76.305 χ^2/NDF: 80.2/60

\- sign -32.848+/-109.404 χ^2/NDF: 33.2/30



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

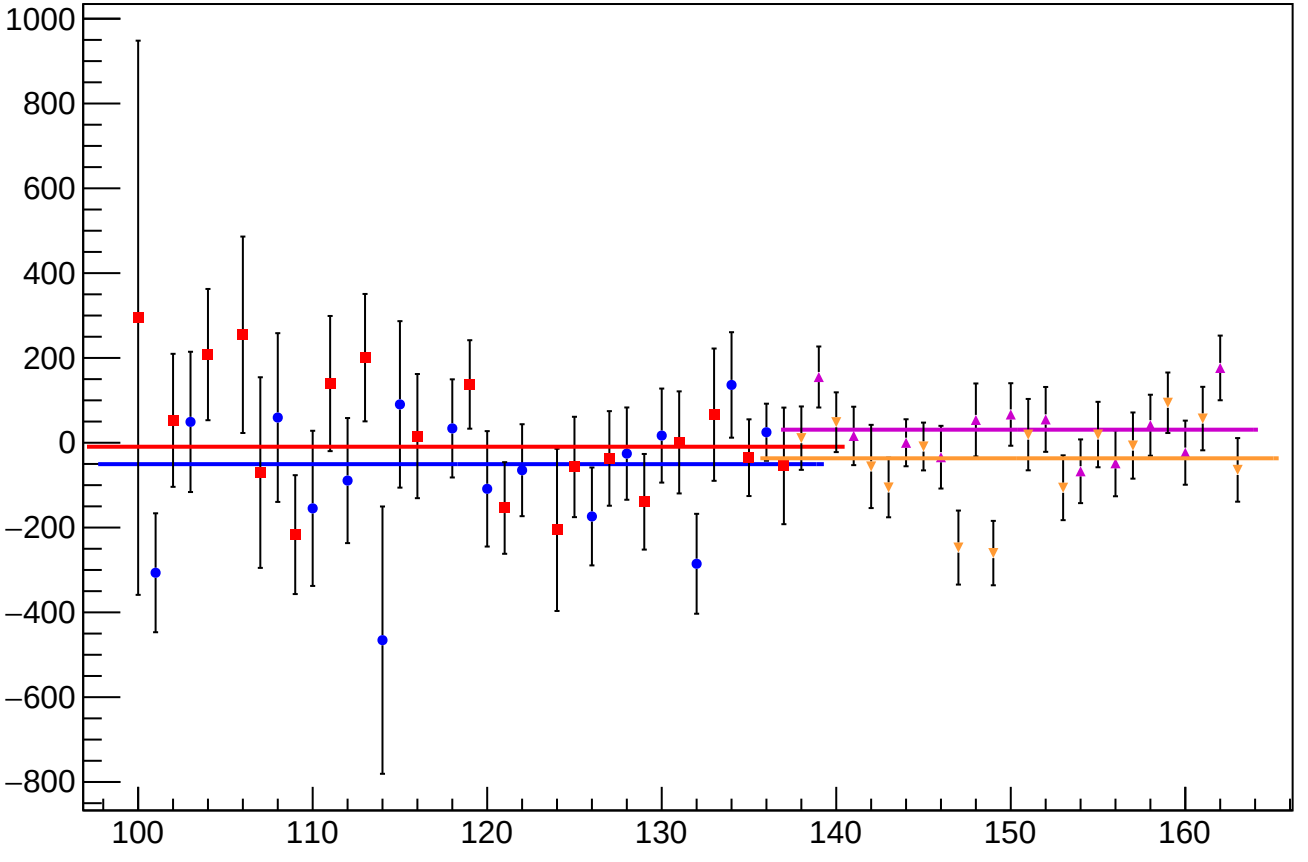
Left In: 373.140+/-0.084 χ^2/NDF:633288.3/11

+ sign 425.947+/-0.075 χ^2/NDF: 4648643.3/29

All: 426.295+/-0.054 χ^2/NDF: 9544731.9/60

- sign 426.663+/-0.077 χ^2/NDF: 4896044.7/30

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

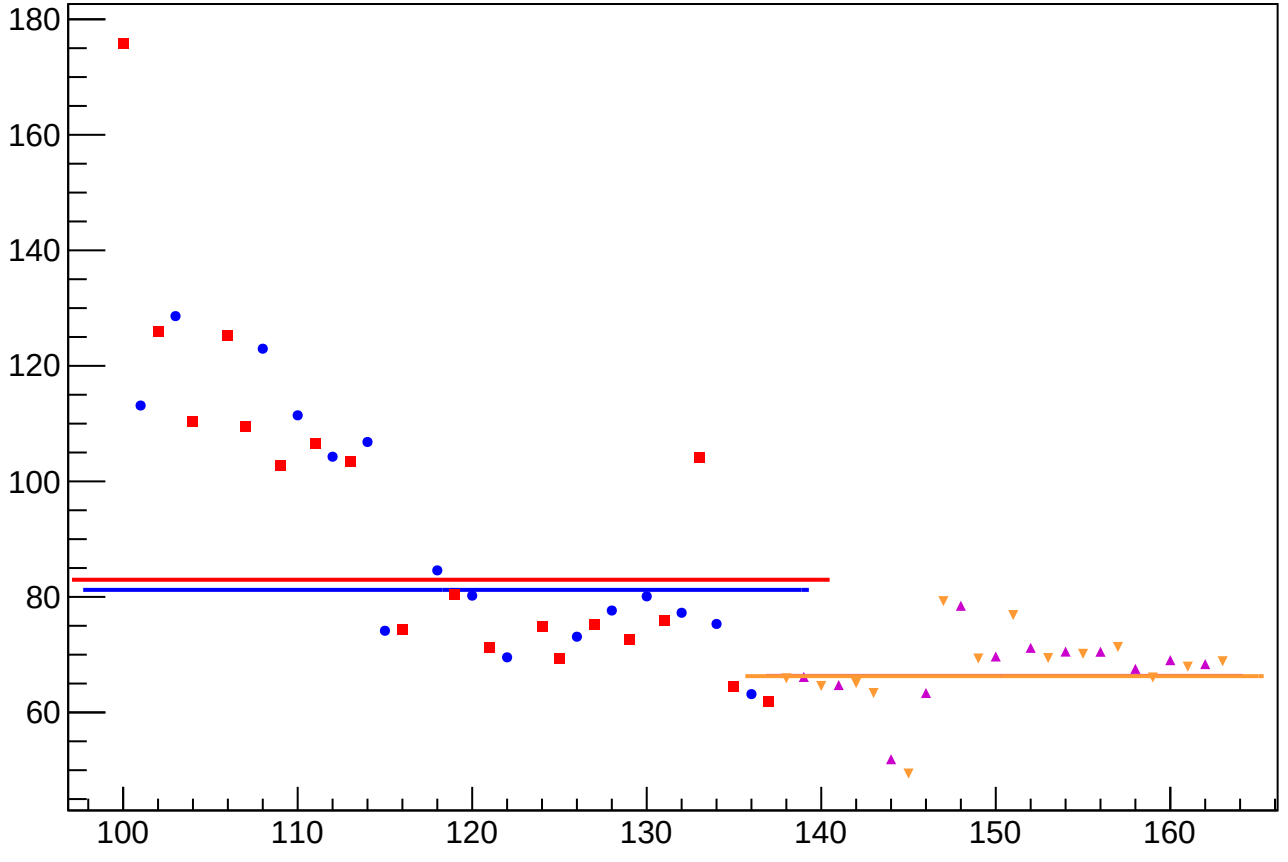
Left In: 30.811+/-20.921 χ^2/NDF:11.4/11

+ sign -40.708+/-16.808 χ^2/NDF: 41.2/29

All: -12.165+/-12.083 χ^2/NDF: 75.3/60

- sign 18.363+/-17.382 χ^2/NDF: 28.1/30

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.282+/-0.014 χ^2/NDF:283169.3/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

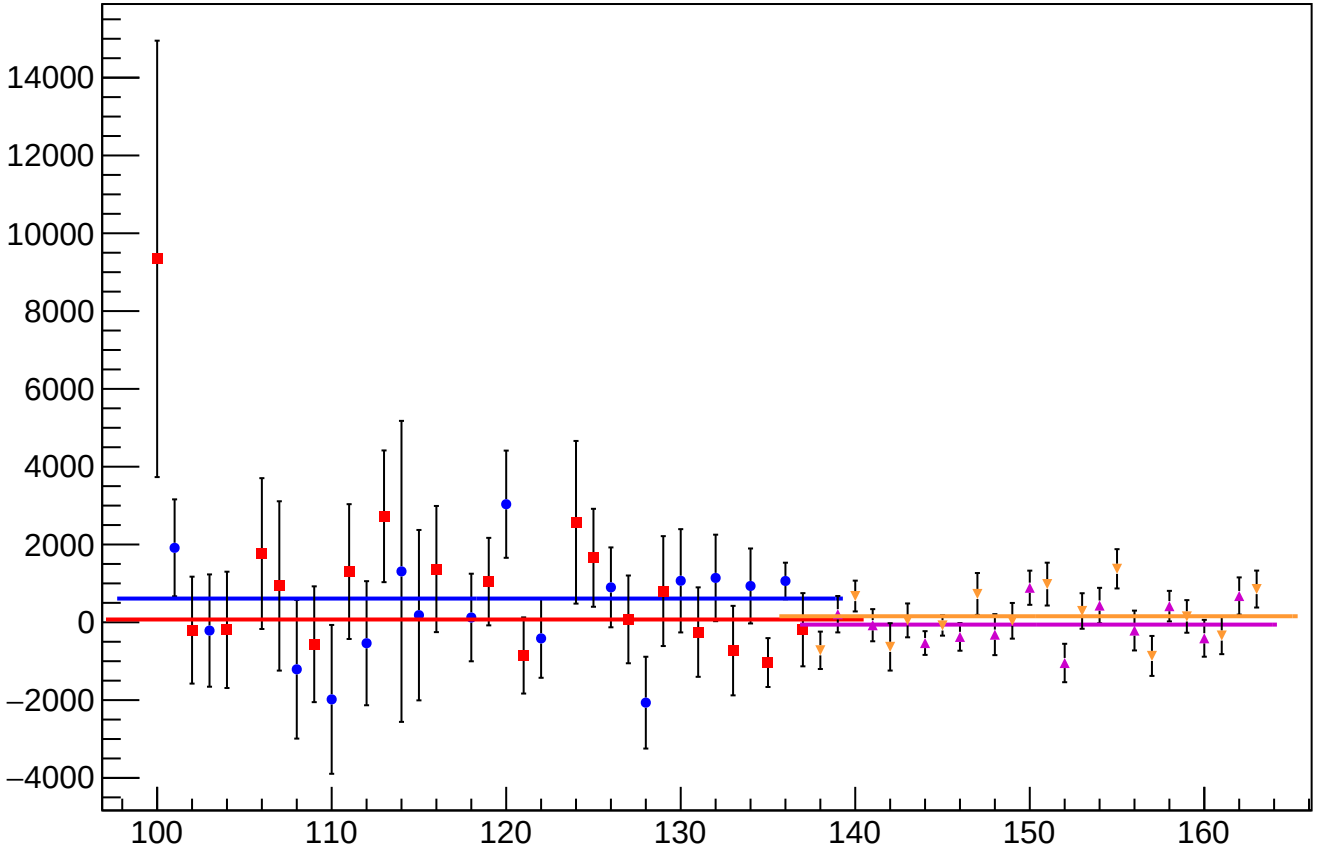
Left In: 66.322+/-0.015 χ^2/NDF:208466.0/11

+ sign 70.655+/-0.012 χ^2/NDF: 1273073.1/29

All: 71.053+/-0.009 χ^2/NDF: 2606501.6/60

- sign 71.478+/-0.012 χ^2/NDF: 1331114.2/30

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 155.921+/-118.087 χ^2/NDF:24.1/13

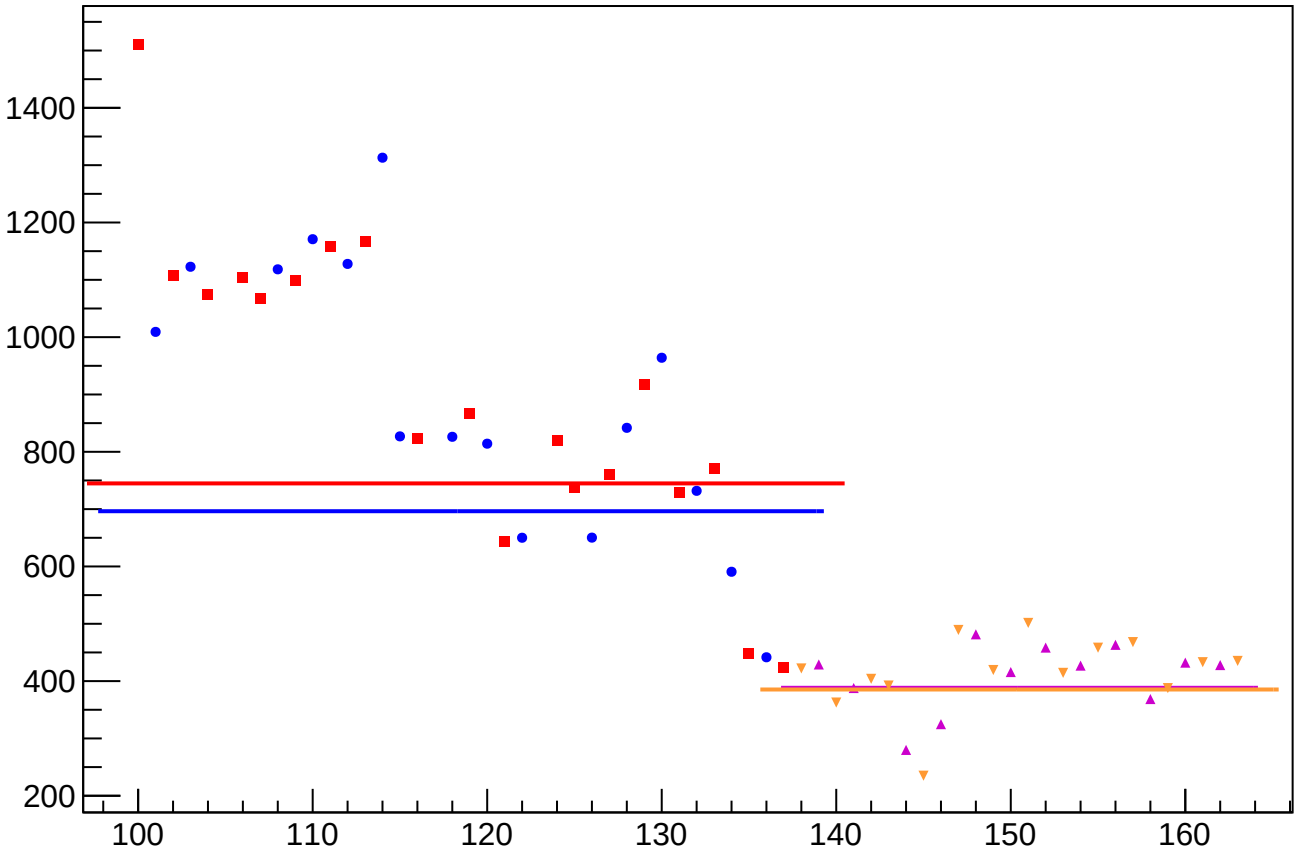
Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -59.287+/-123.180 χ^2/NDF:18.0/11

+ sign 227.117+/-108.443 χ^2/NDF: 42.2/29

All: 99.846+/-78.303 χ^2/NDF: 79.5/60

- sign -38.796+/-113.184 χ^2/NDF: 34.4/30



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 385.368+/-0.083 χ^2/NDF:995821.2/13

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

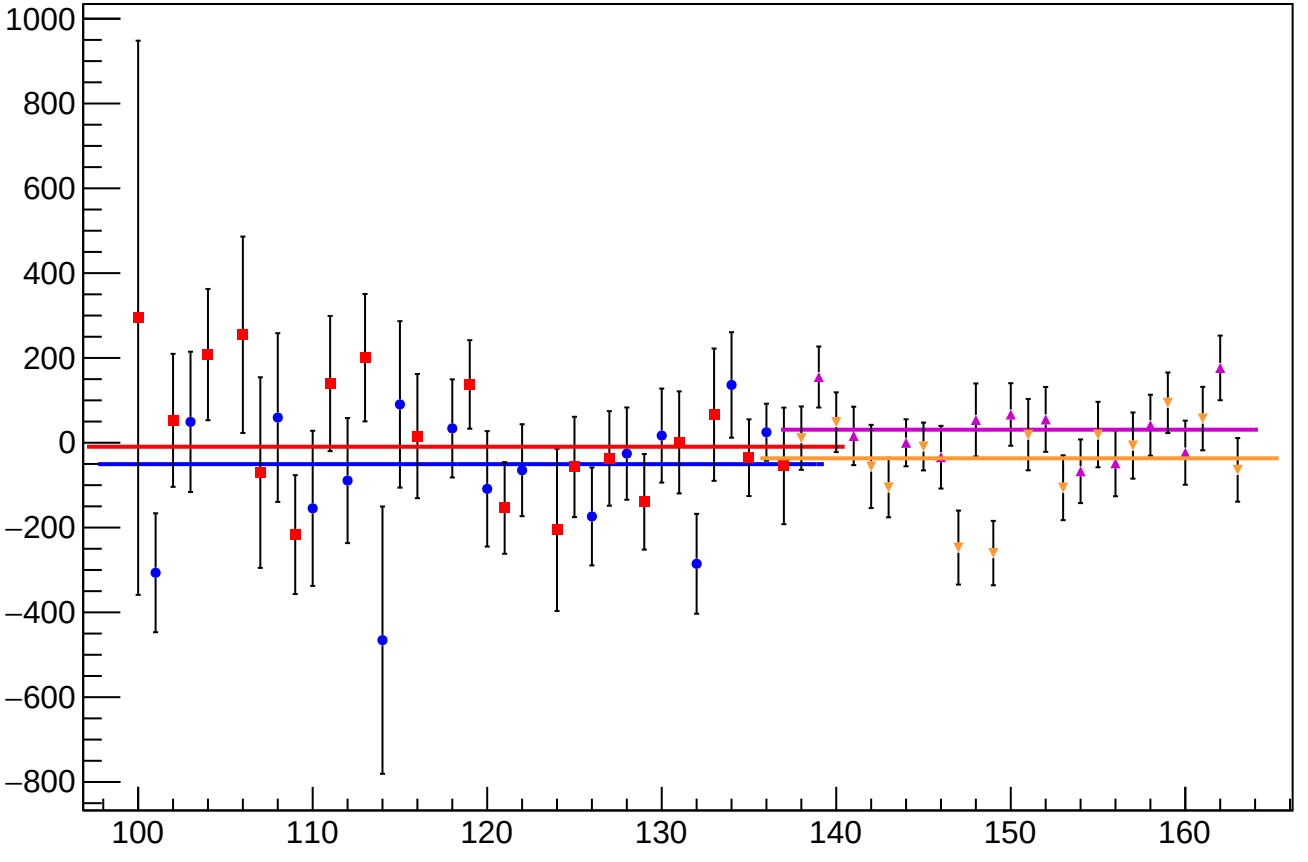
Left In: 388.332+/-0.087 χ^2/NDF:535030.0/11

+ sign 434.090+/-0.077 χ^2/NDF: 4684593.1/29

All: 438.761+/-0.055 χ^2/NDF: 9334861.7/60

- sign 443.850+/-0.080 χ^2/NDF: 4642514.4/30

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

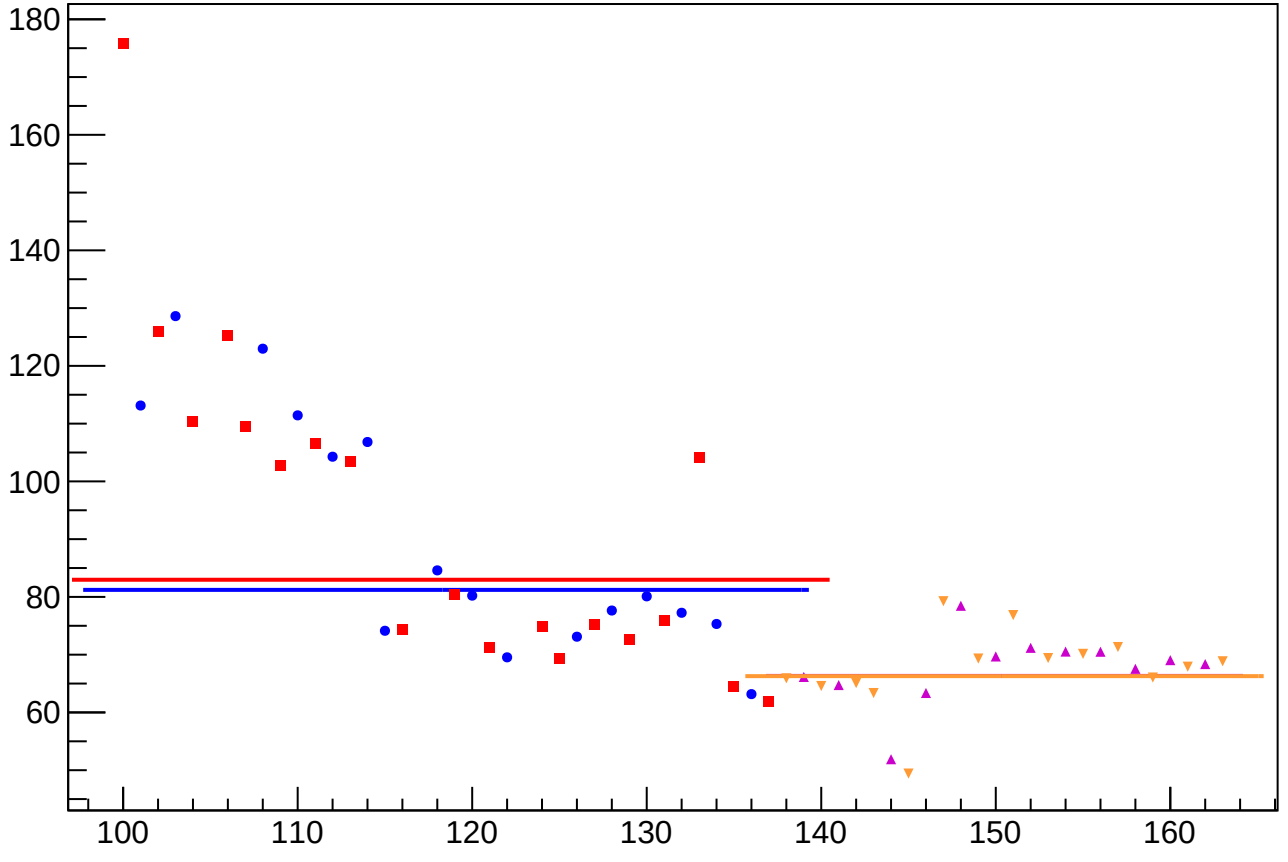
Left In: 30.810+/-20.921 χ^2/NDF:11.4/11

+ sign -40.708+/-16.808 χ^2/NDF: 41.2/29

All: -12.166+/-12.083 χ^2/NDF: 75.3/60

- sign 18.363+/-17.382 χ^2/NDF: 28.1/30

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.282+/-0.014 χ^2/NDF:283163.4/13

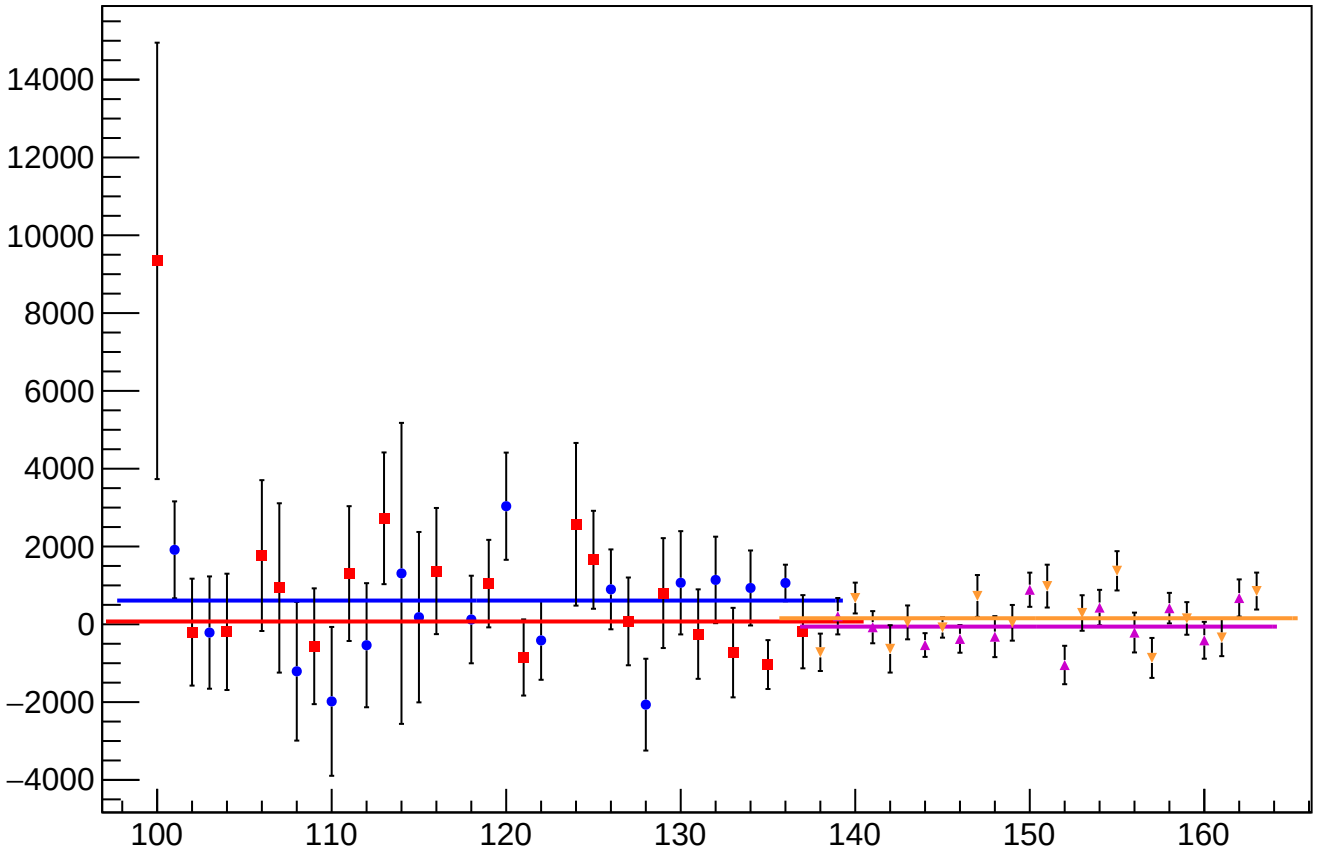
Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.322+/-0.015 χ^2/NDF:208463.3/11

+ sign 70.655+/-0.012 χ^2/NDF: 1273030.0/29

All: 71.053+/-0.009 χ^2/NDF: 2606426.9/60

- sign 71.478+/-0.012 χ^2/NDF: 1331082.5/30



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 155.920+/-118.087 χ^2/NDF:24.1/13

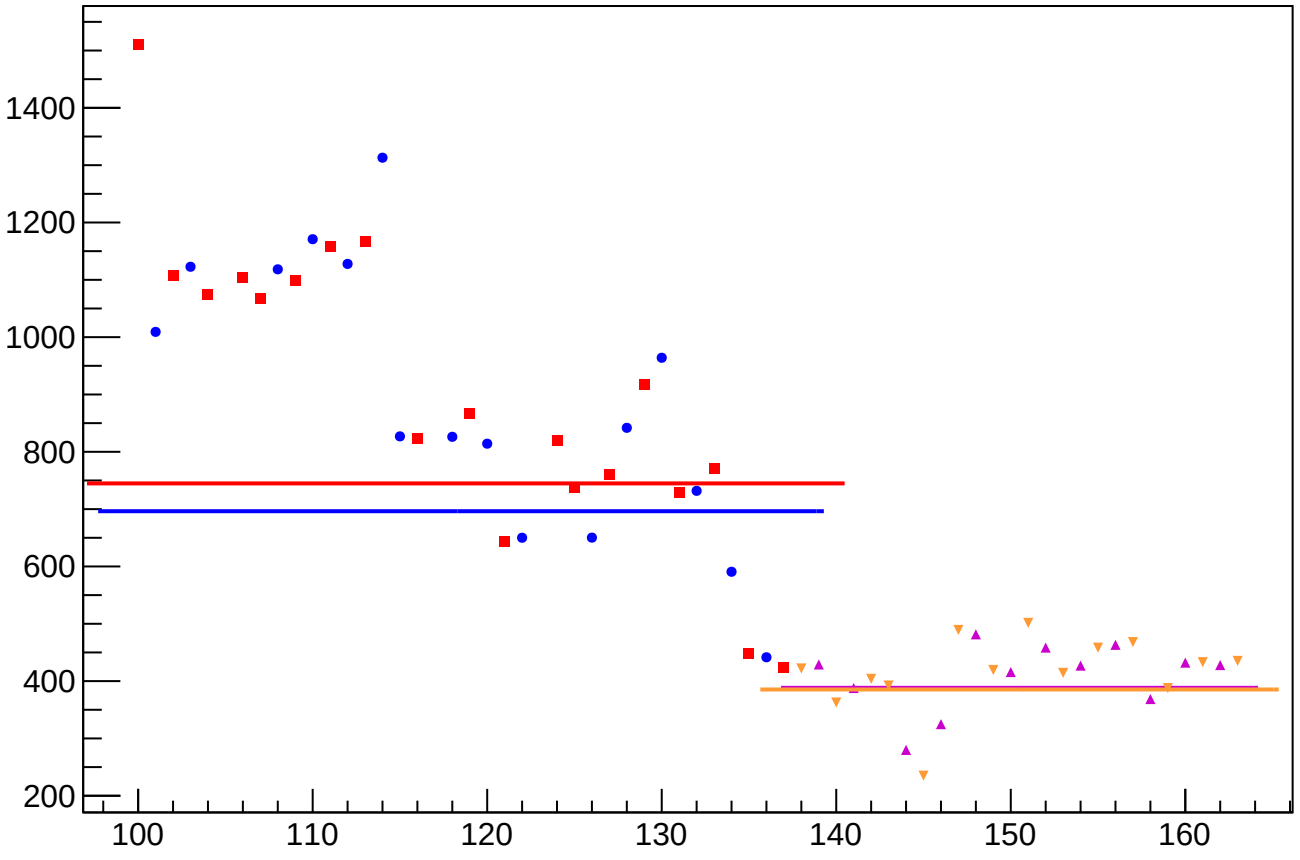
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -59.288+/-123.180 χ^2/NDF:18.0/11

\+ sign 227.117+/-108.443 χ^2/NDF: 42.2/29

All: 99.846+/-78.303 χ^2/NDF: 79.5/60

\- sign -38.796+/-113.184 χ^2/NDF: 34.4/30



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 385.368+/-0.083 χ^2/NDF:995842.2/13

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

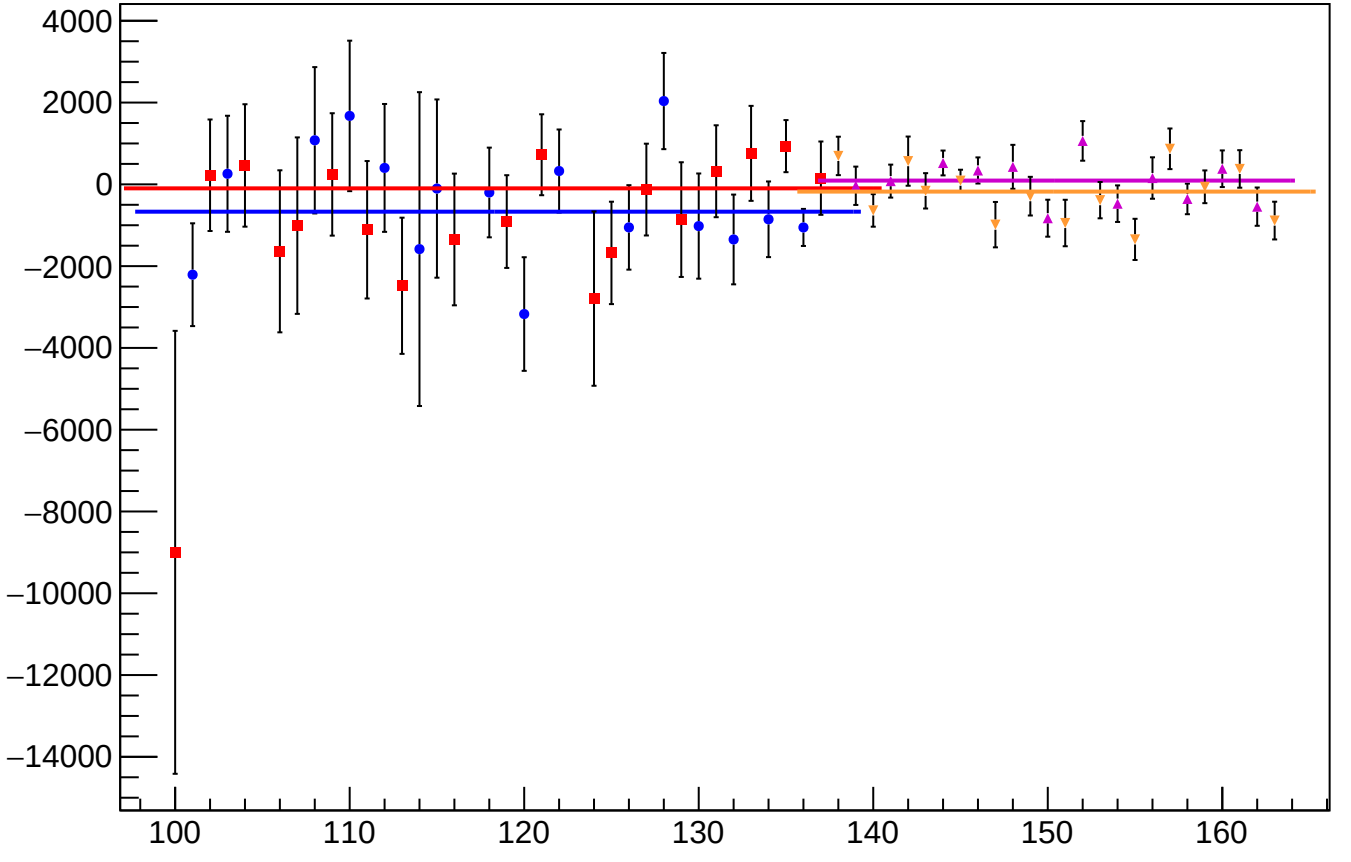
Left In: 388.332+/-0.087 χ^2/NDF:535037.3/11

+ sign 434.090+/-0.077 χ^2/NDF: 4684592.9/29

All: 438.761+/-0.055 χ^2/NDF: 9334847.1/60

- sign 443.850+/-0.080 χ^2/NDF: 4642499.8/30

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.031+/-117.477 χ^2/NDF:25.3/13

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

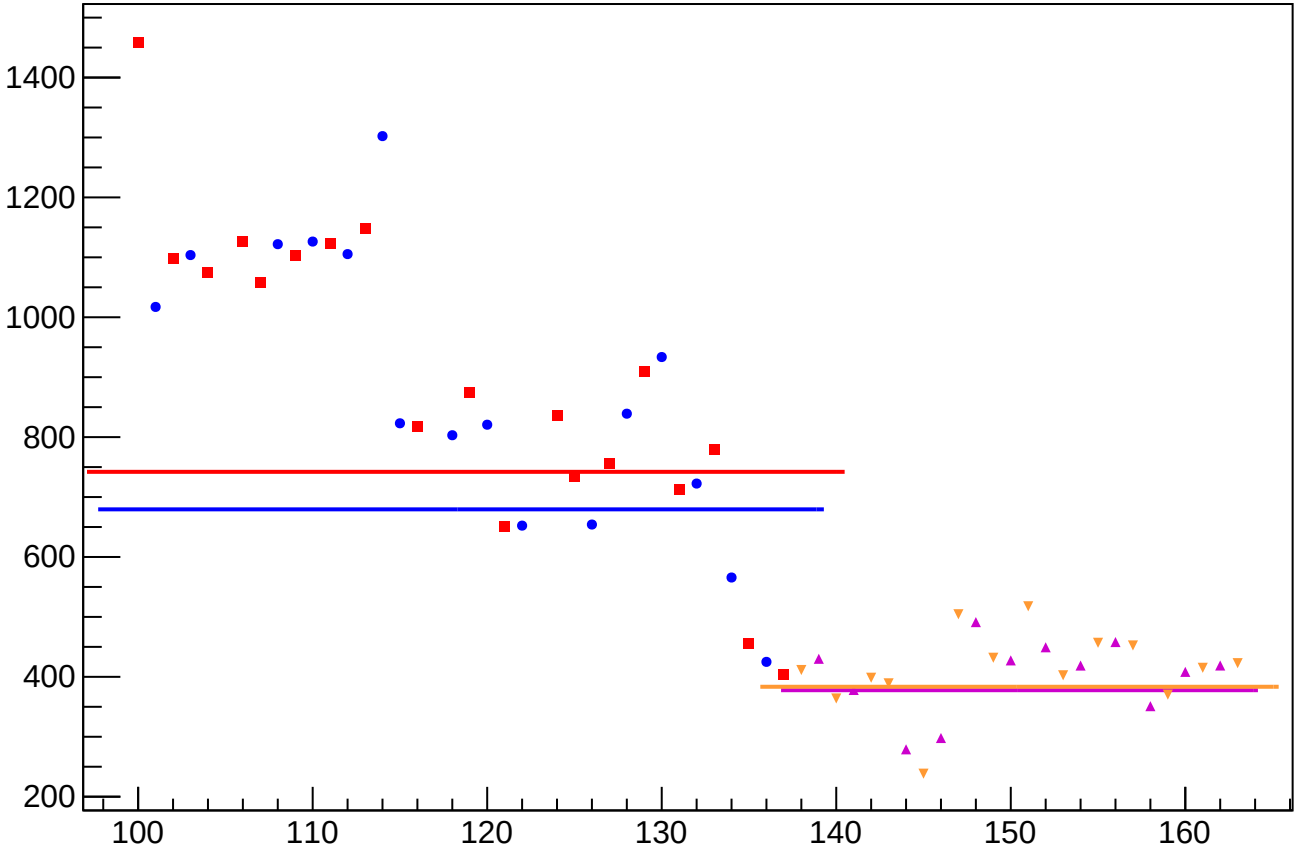
Left In: 92.083+/-119.892 χ^2/NDF:16.6/11

+ sign -256.022+/-107.623 χ^2/NDF: 44.2/29

All: -100.492+/-77.119 χ^2/NDF: 80.3/60

- sign 63.651+/-110.563 χ^2/NDF: 31.8/30

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 383.438+/-0.083 χ^2/NDF:937913.4/13

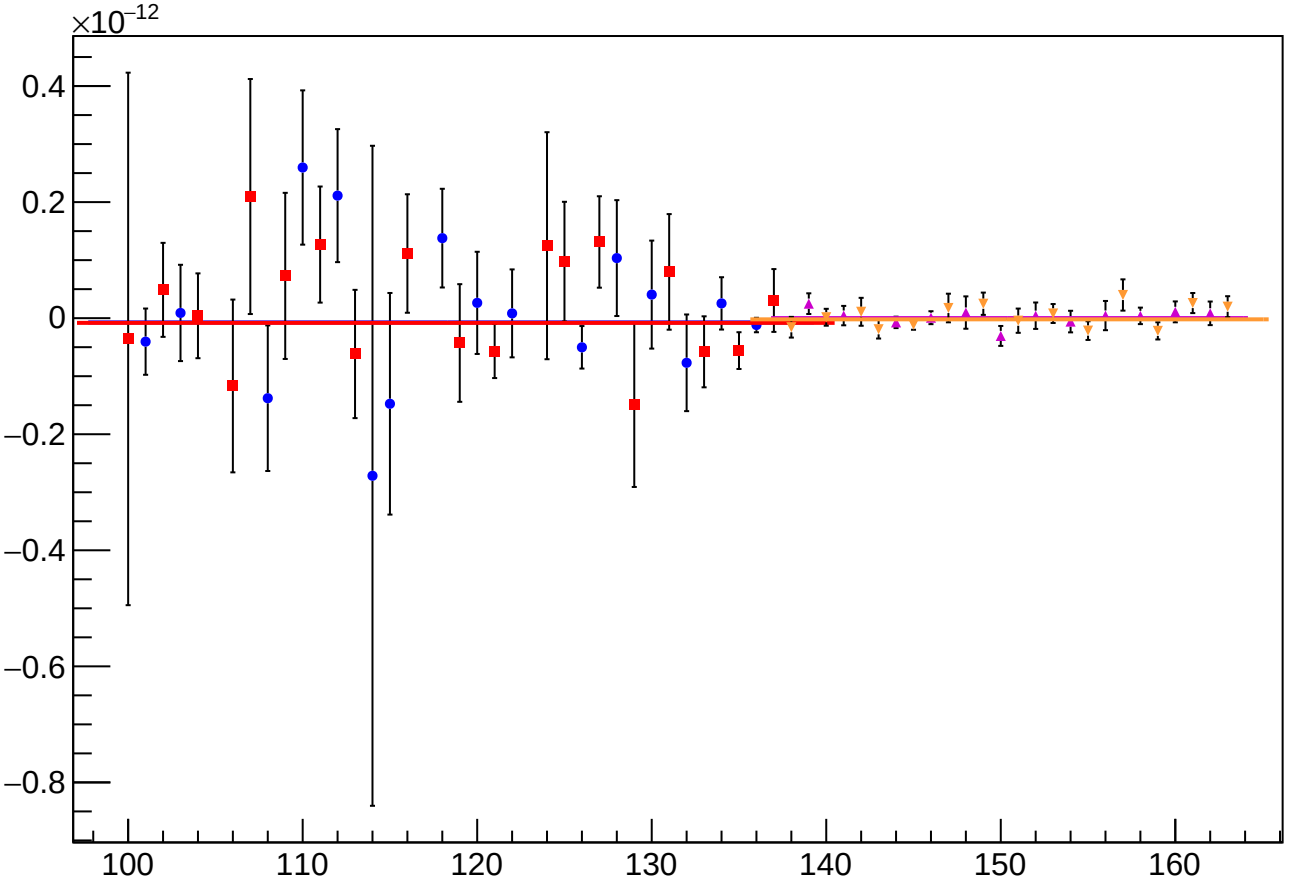
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 377.708+/-0.085 χ^2/NDF:620655.2/11

+ sign 431.017+/-0.076 χ^2/NDF: 4579981.2/29

All: 431.596+/-0.055 χ^2/NDF: 9468184.8/60

- sign 432.208+/-0.078 χ^2/NDF: 4888084.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

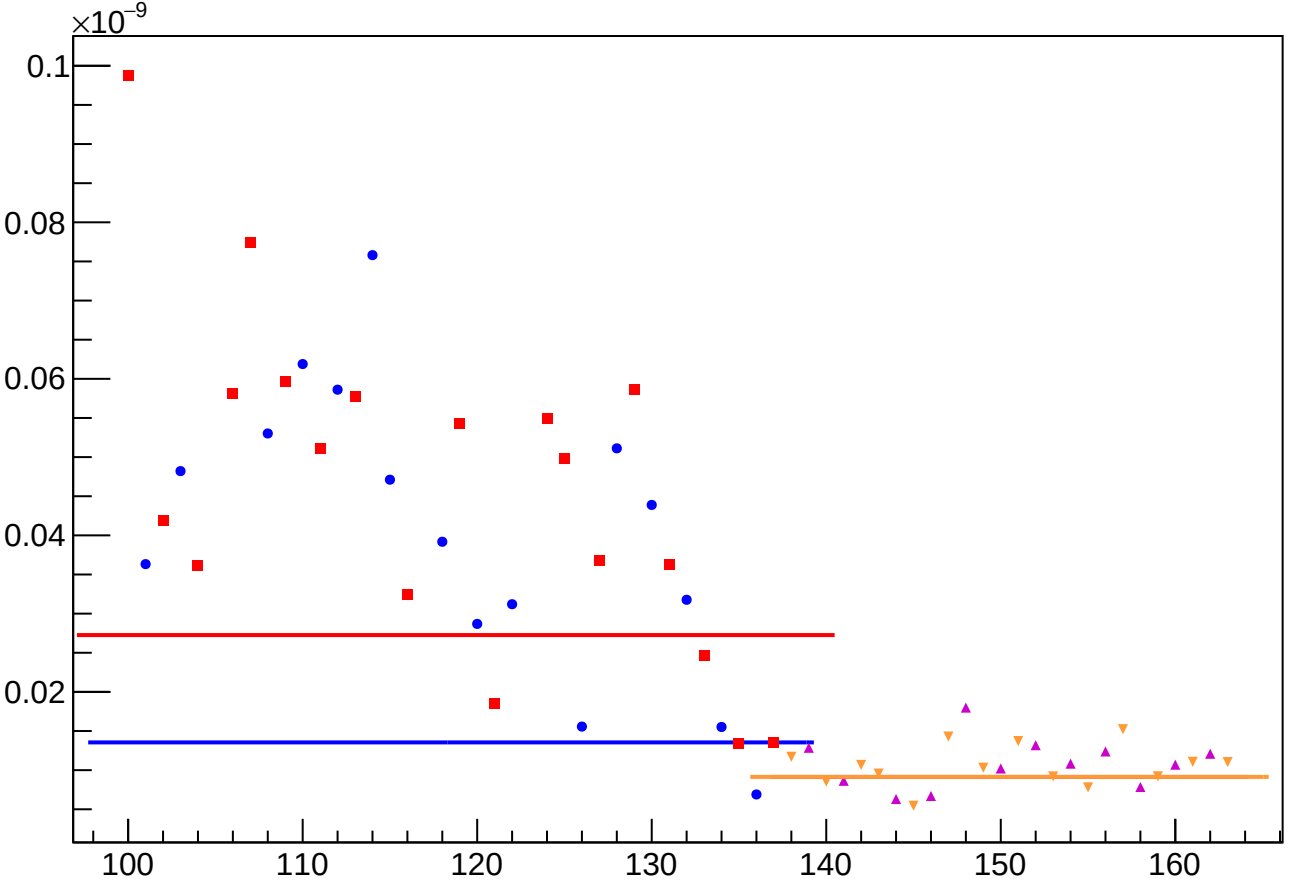
Left In: 0.000+/-0.000 χ^2/NDF:6.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 33.3/29

All: -0.000+/-0.000 χ^2/NDF: 57.4/60

- sign -0.000+/-0.000 χ^2/NDF: 23.9/30

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:759608.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

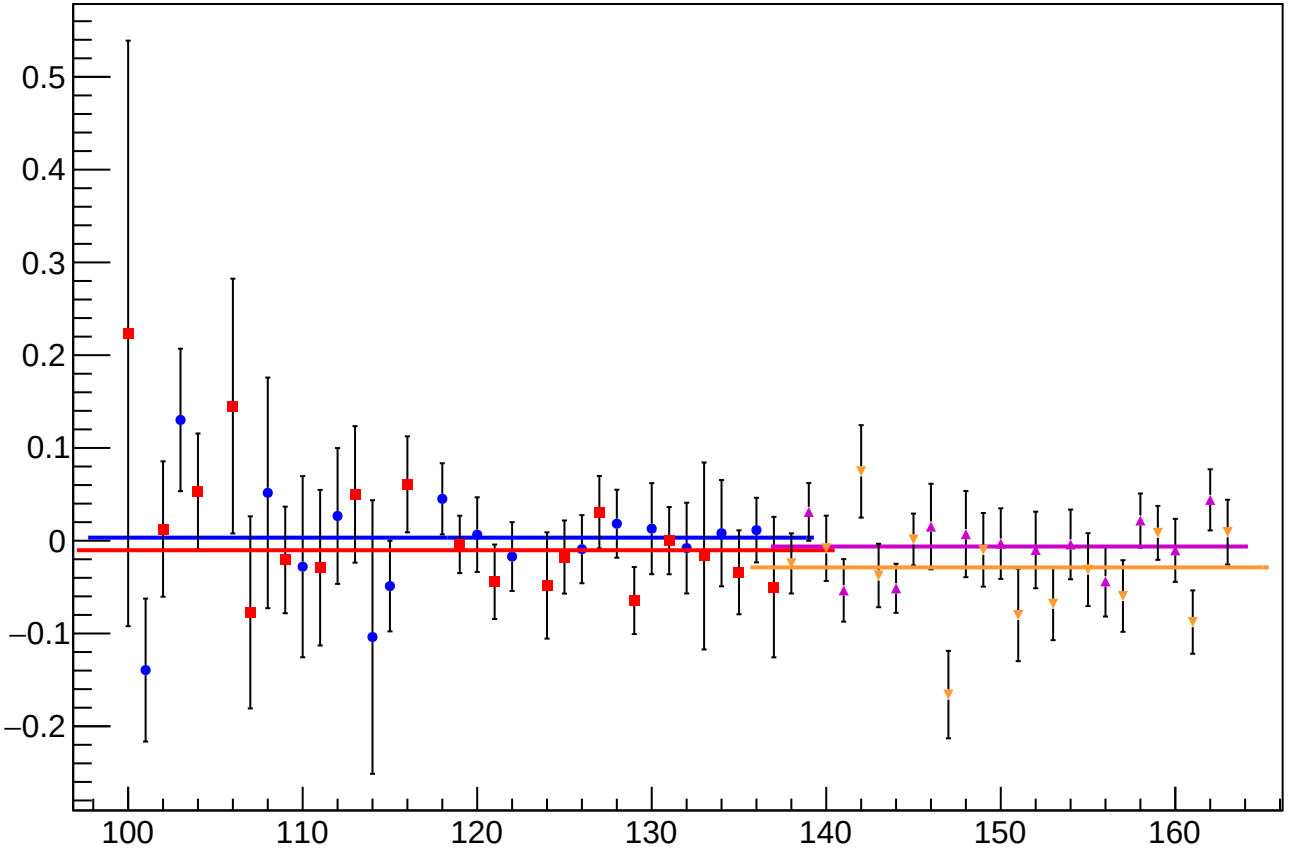
Left In: 0.000+/-0.000 χ^2/NDF:745678.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 4107966.5/29

All: 0.000+/-0.000 χ^2/NDF: 8652246.6/60

- sign 0.000+/-0.000 χ^2/NDF: 4527030.3/30

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

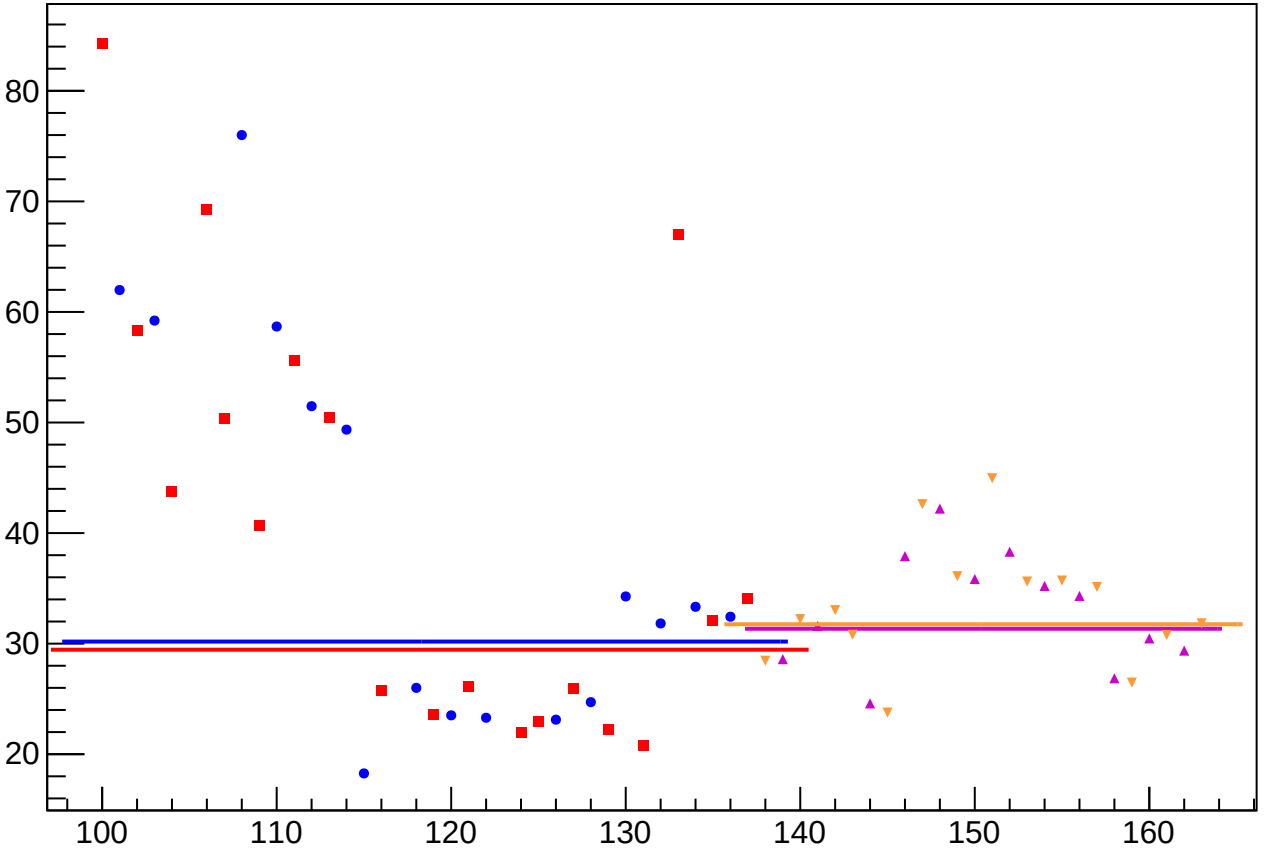
Left In: -0.006+/-0.010 χ^2/NDF:10.9/11

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/60

- sign -0.008+/-0.008 χ^2/NDF: 22.2/30

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

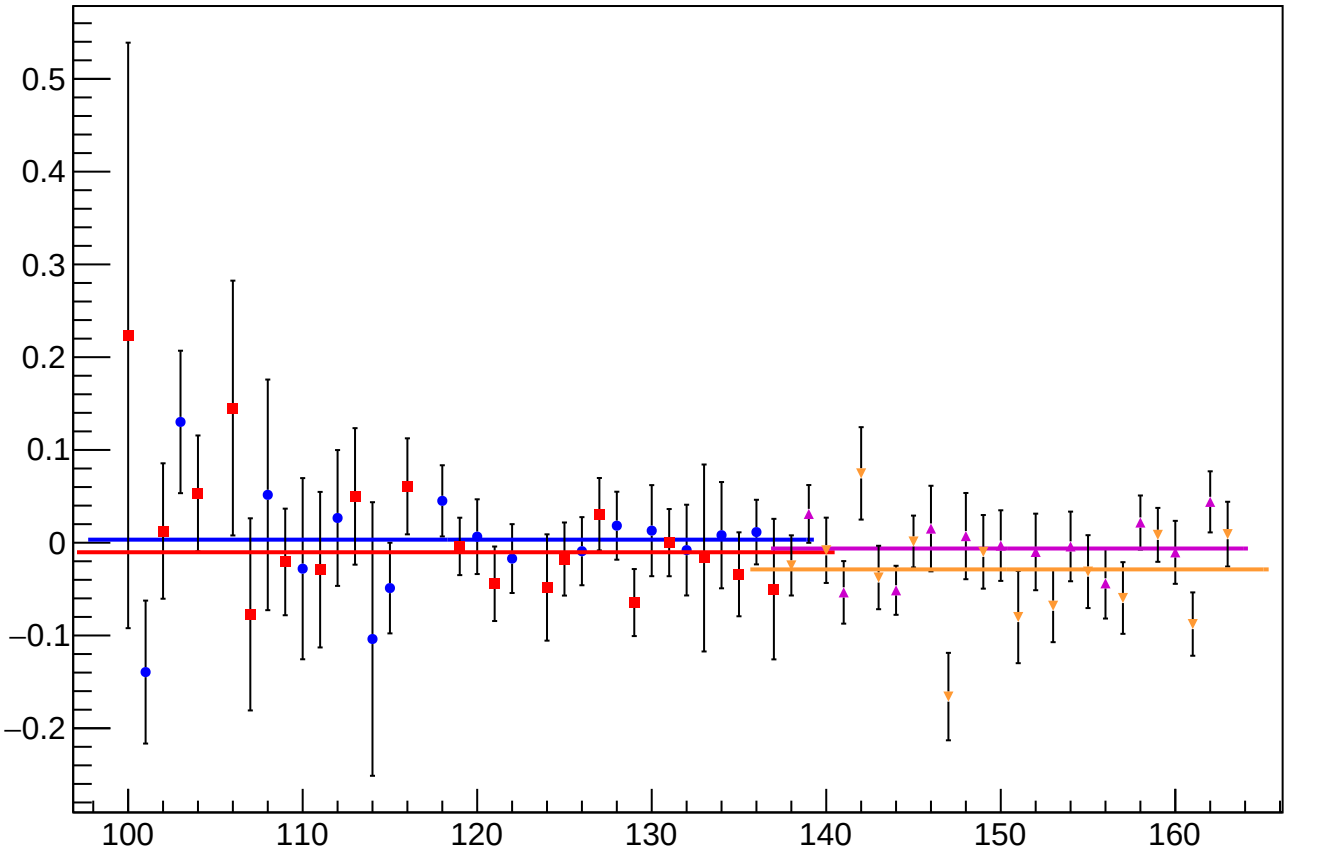
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.346+/-0.007 χ^2/NDF:470340.8/11

+ sign 31.151+/-0.005 χ^2/NDF: 2288353.3/29

All: 30.853+/-0.004 χ^2/NDF: 4643372.2/60

- sign 30.552+/-0.005 χ^2/NDF: 2348858.4/30



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

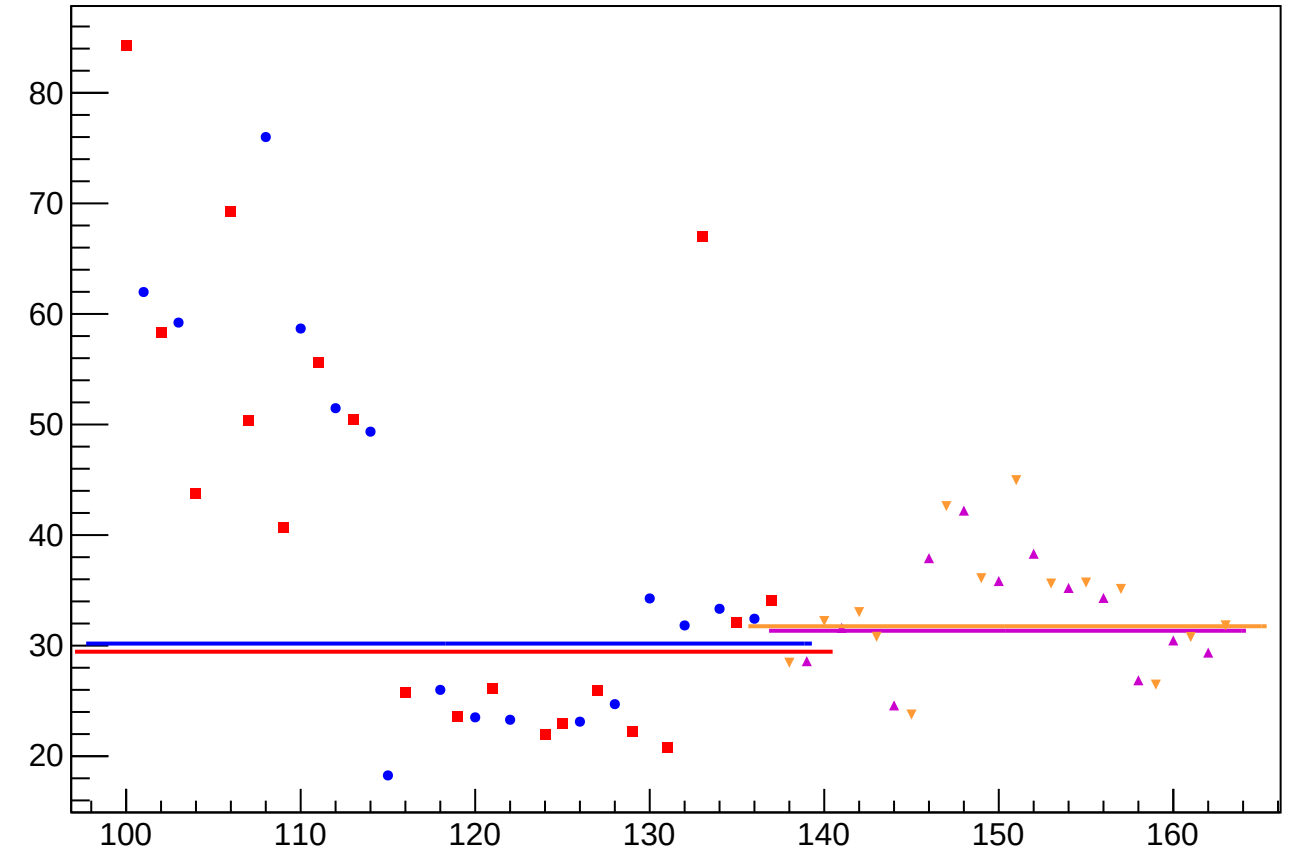
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.006+/-0.010 χ^2/NDF:10.9/11

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/60

- sign -0.008+/-0.008 χ^2/NDF: 22.2/30



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

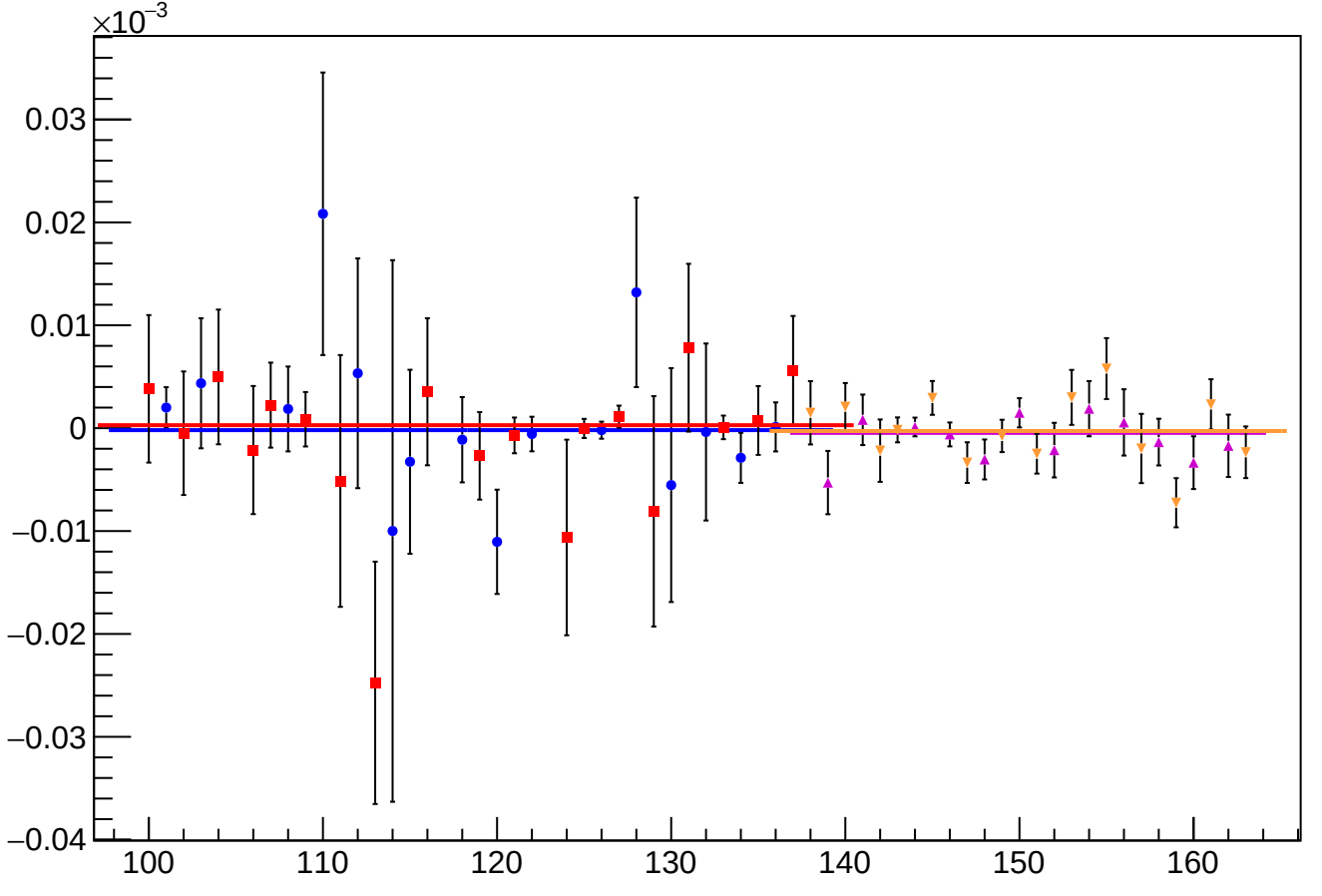
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.346+/-0.007 χ^2/NDF:470340.8/11

+ sign 31.151+/-0.005 χ^2/NDF: 2288353.3/29

All: 30.853+/-0.004 χ^2/NDF: 4643372.2/60

- sign 30.552+/-0.005 χ^2/NDF: 2348858.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/13

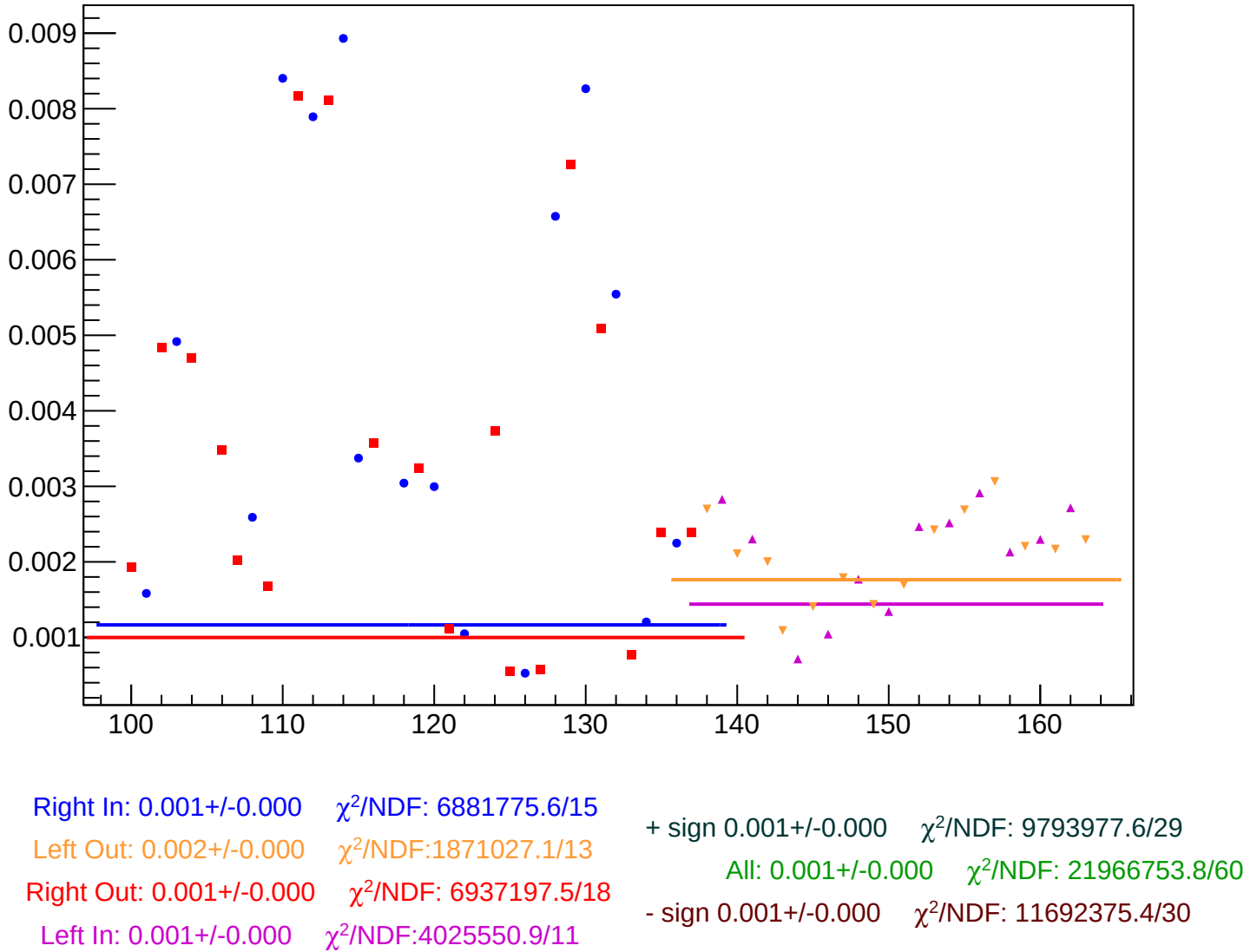
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

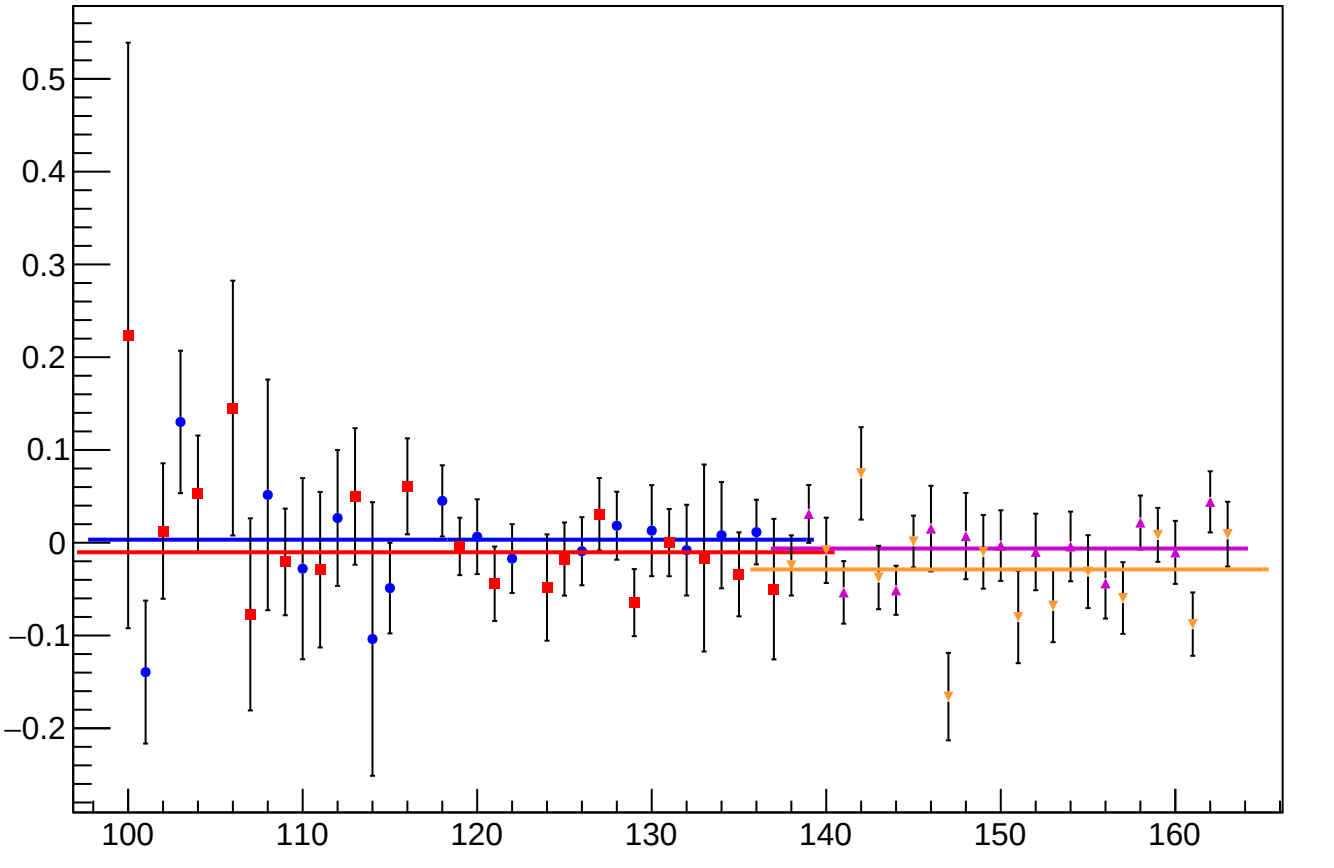
Left In: -0.000+/-0.000 χ^2/NDF:9.7/11

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/29

All: -0.000+/-0.000 χ^2/NDF: 61.0/60

- sign -0.000+/-0.000 χ^2/NDF: 22.1/30


asym_sam_15_26_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
160
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1871027.1/13
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.001+/-0.000 χ²/NDF:4025550.9/11
+ sign 0.001+/-0.000 χ²/NDF: 9793977.6/29
All: 0.001+/-0.000 χ²/NDF: 21966753.8/60
- sign 0.001+/-0.000 χ²/NDF: 11692375.4/30



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

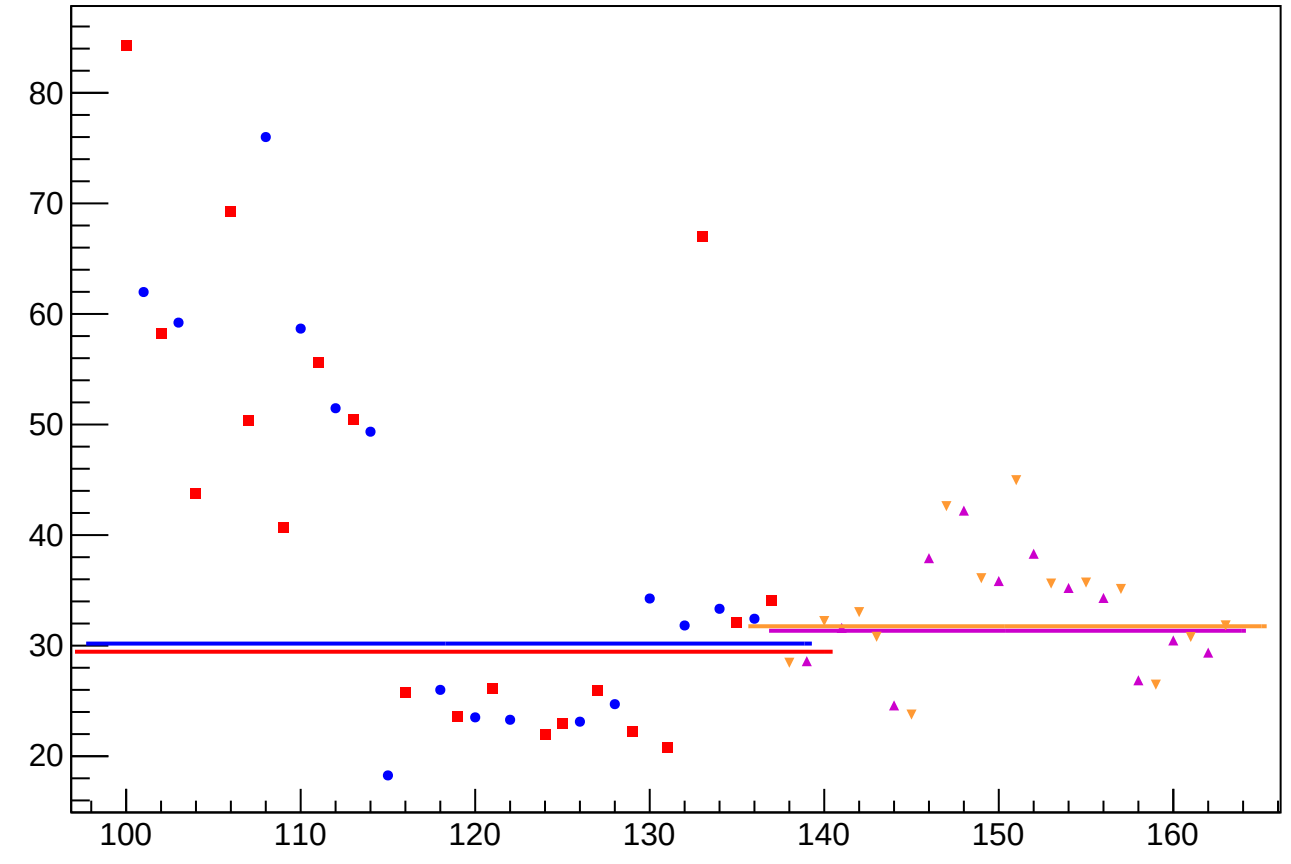
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.006+/-0.010 χ^2/NDF:10.9/11

+ sign -0.016+/-0.008 χ^2/NDF: 37.4/29

All: -0.012+/-0.005 χ^2/NDF: 60.2/60

- sign -0.008+/-0.008 χ^2/NDF: 22.2/30



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

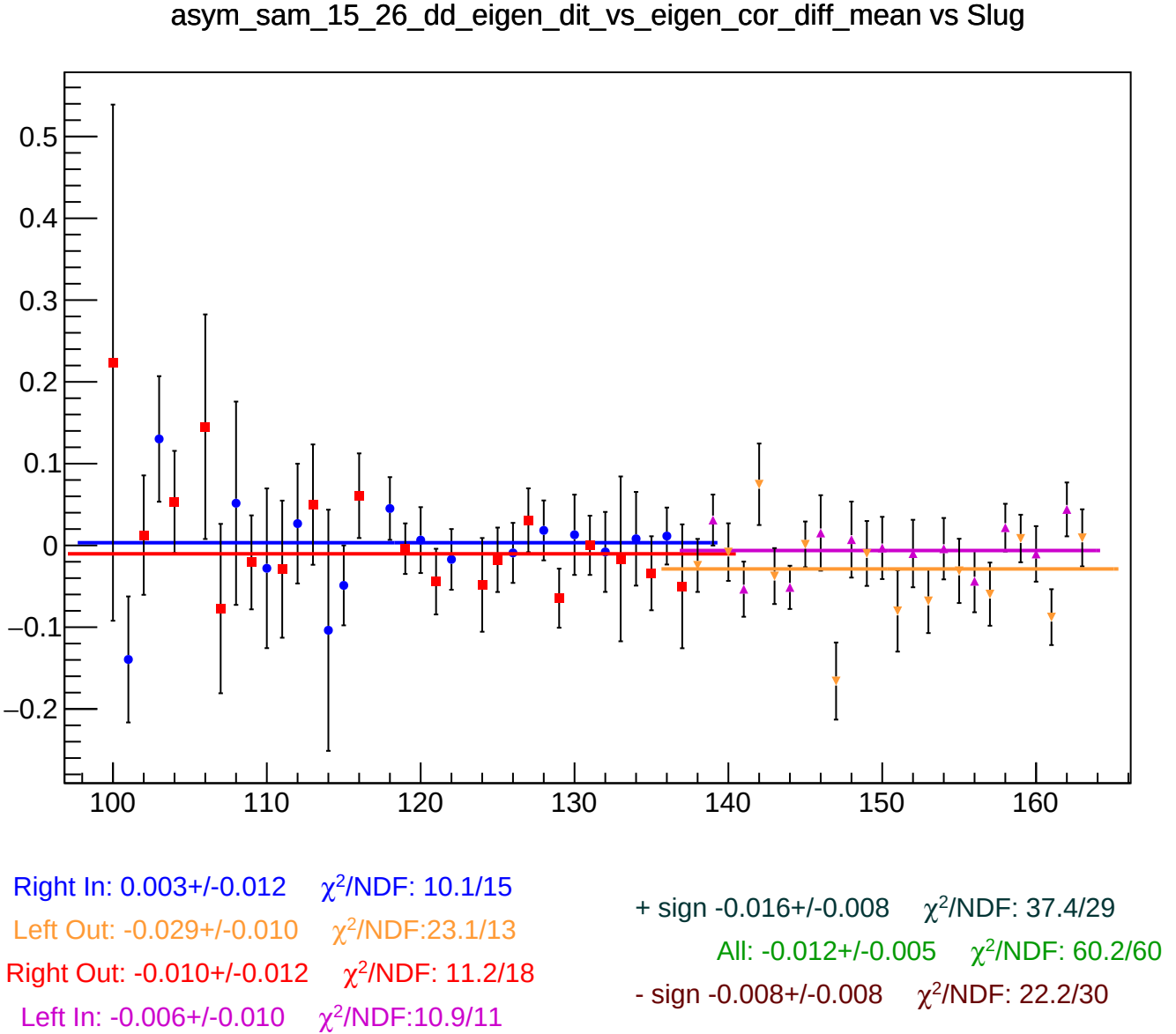
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

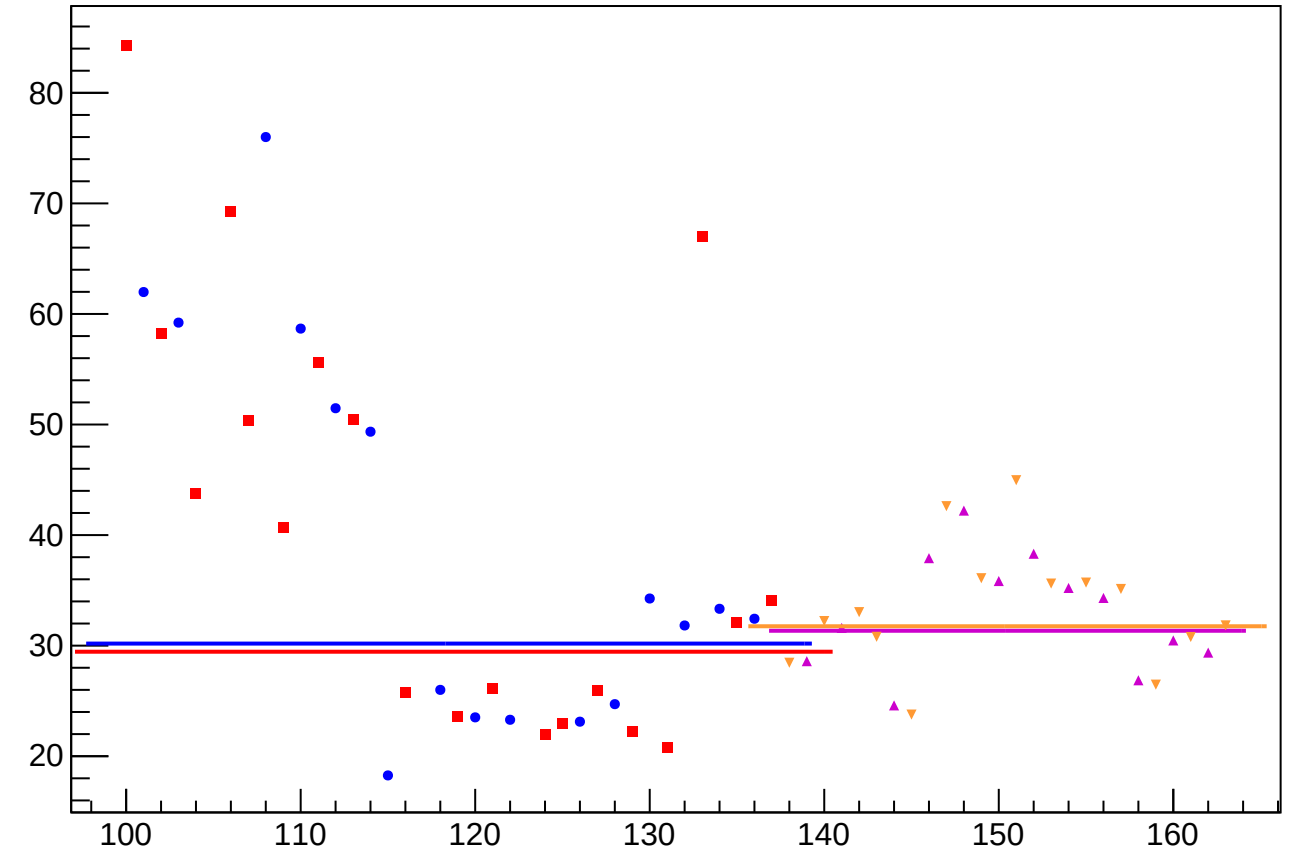
Left In: 31.347+/-0.007 χ^2/NDF:470337.8/11

+ sign 31.151+/-0.005 χ^2/NDF: 2288146.5/29

All: 30.853+/-0.004 χ^2/NDF: 4643189.5/60

- sign 30.552+/-0.005 χ^2/NDF: 2348876.3/30


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
160
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.010 χ²/NDF:23.1/13
Right Out: -0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.006+/-0.010 χ²/NDF:10.9/11
+ sign -0.016+/-0.008 χ²/NDF: 37.4/29
All: -0.012+/-0.005 χ²/NDF: 60.2/60
- sign -0.008+/-0.008 χ²/NDF: 22.2/30



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

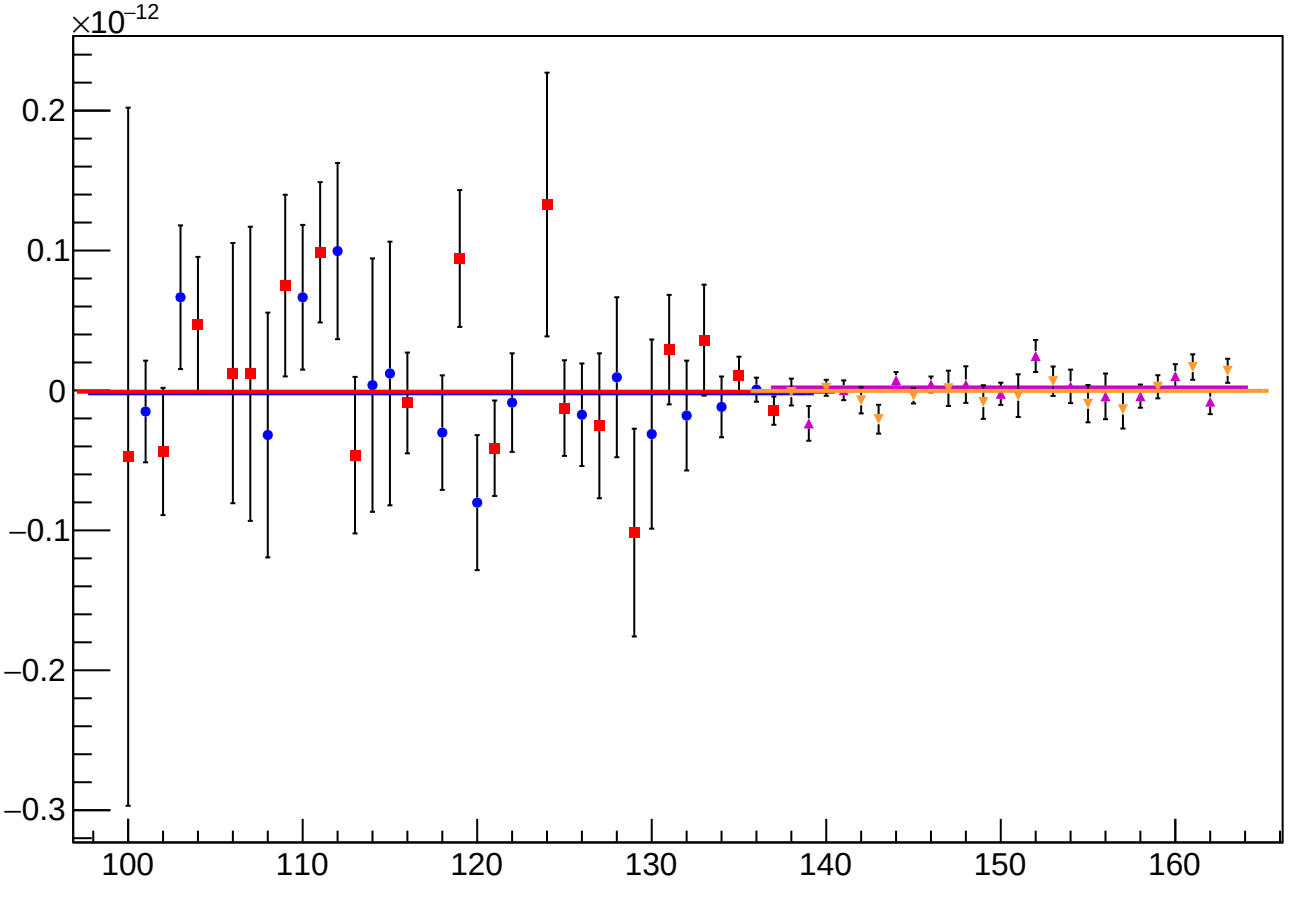
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.347+/-0.007 χ^2/NDF:470337.8/11

+ sign 31.151+/-0.005 χ^2/NDF: 2288146.5/29

All: 30.853+/-0.004 χ^2/NDF: 4643189.5/60

- sign 30.552+/-0.005 χ^2/NDF: 2348876.3/30



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/13

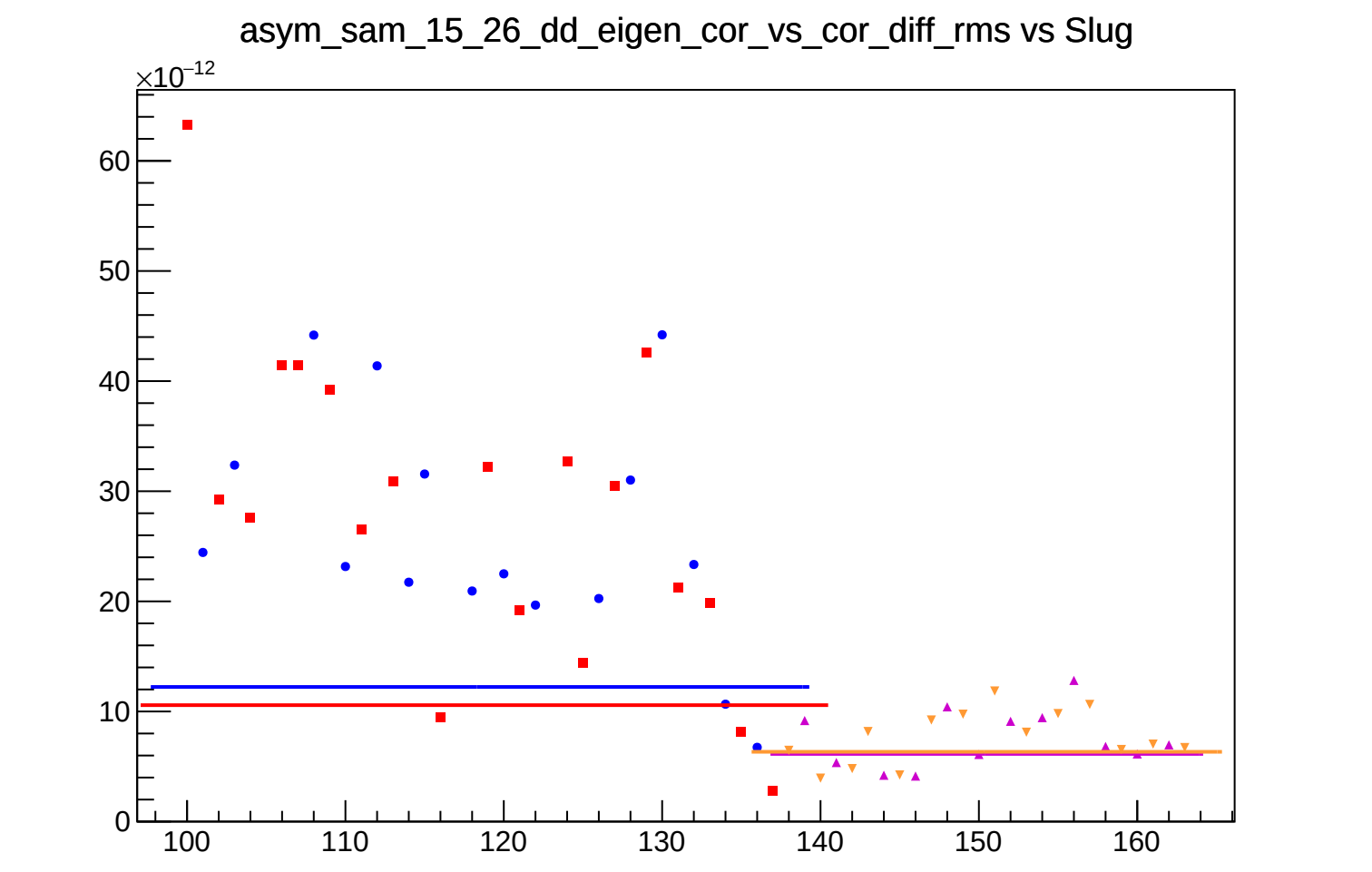
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 58.7/60

- sign 0.000+/-0.000 χ^2/NDF: 34.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

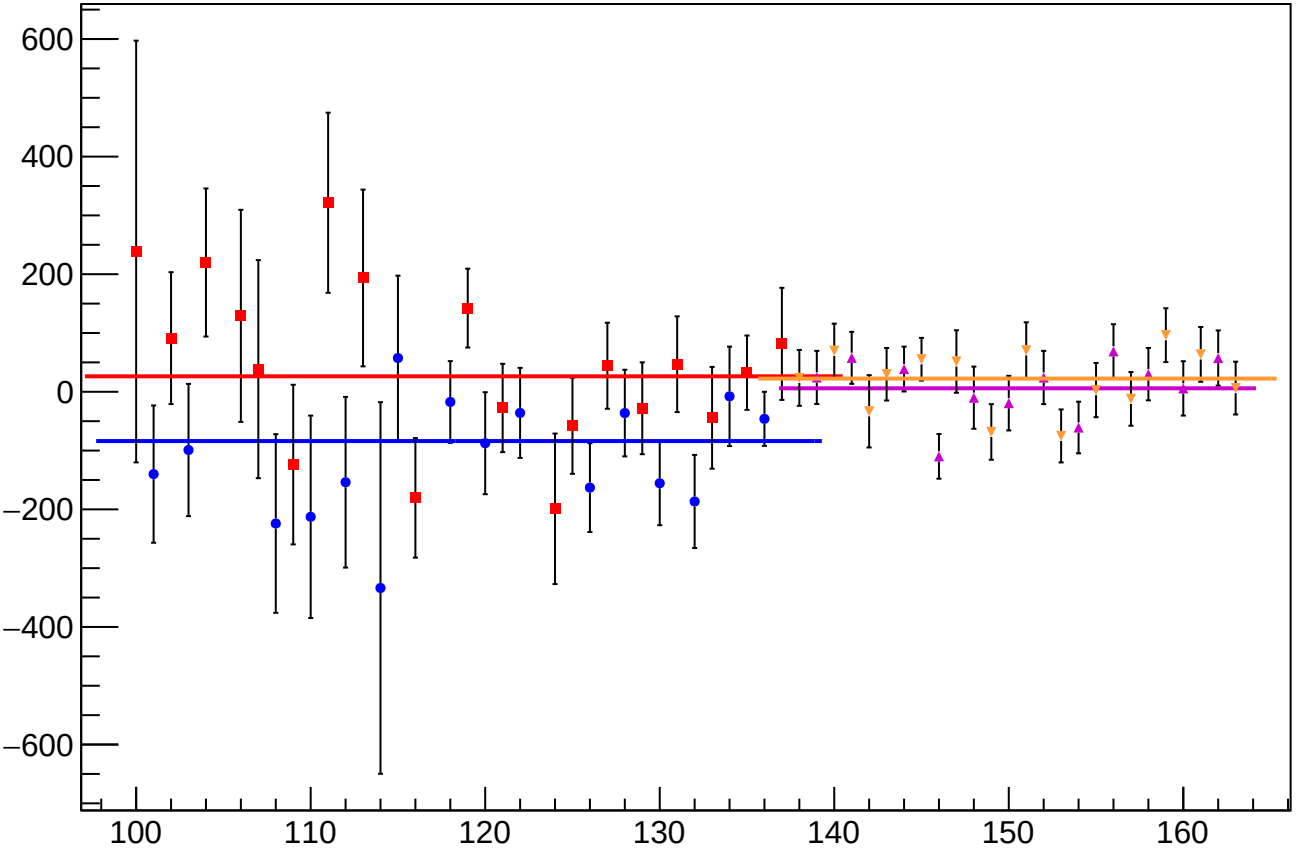
Left In: 0.000+/-0.000 χ^2/NDF:1480091.5/11

+ sign 0.000+/-0.000 χ^2/NDF: 6458378.8/29

All: 0.000+/-0.000 χ^2/NDF: 13507775.1/60

- sign 0.000+/-0.000 χ^2/NDF: 7029657.3/30

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

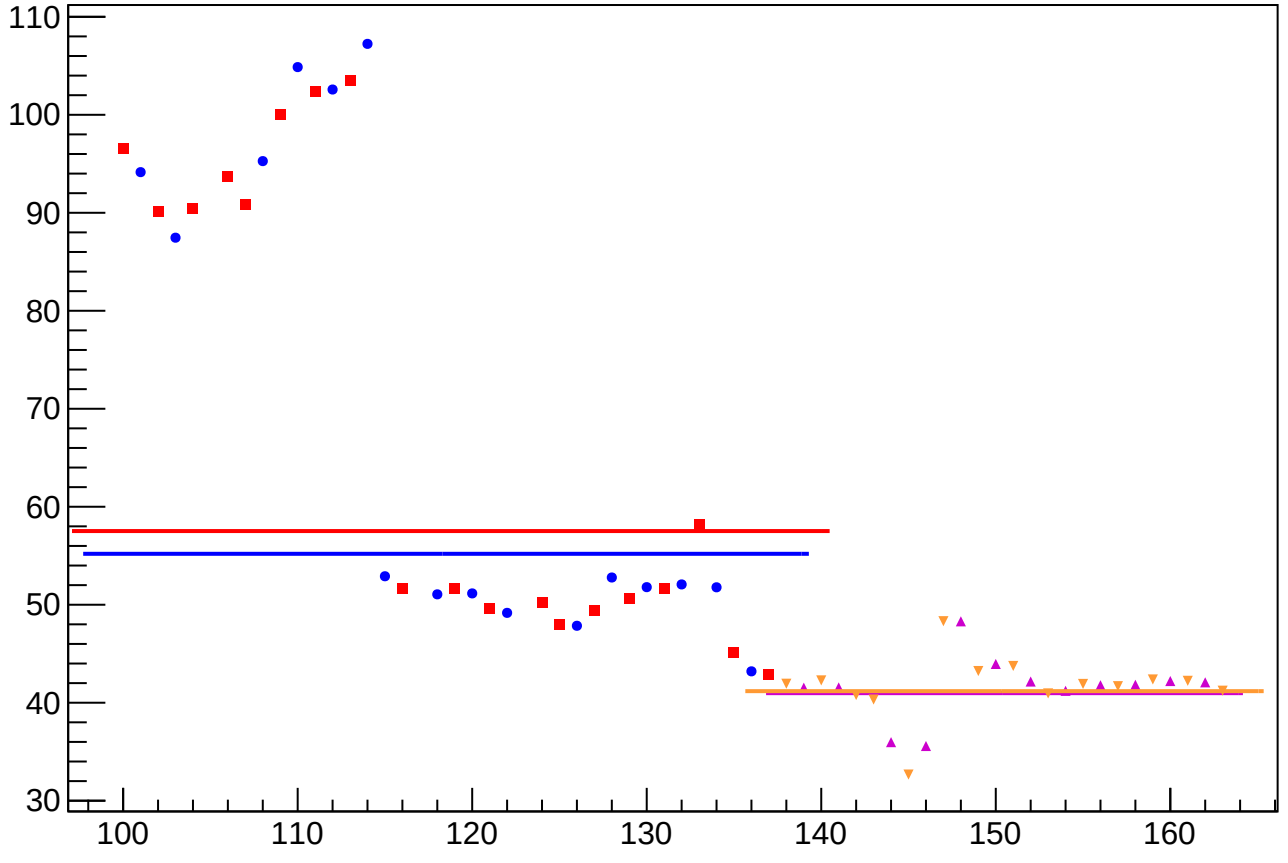
Left In: 5.893+/-12.799 χ^2/NDF:17.8/11

+ sign -4.054+/-10.704 χ^2/NDF: 45.6/29

All: 3.234+/-7.696 χ^2/NDF: 88.0/60

- sign 11.031+/-11.072 χ^2/NDF: 41.4/30

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

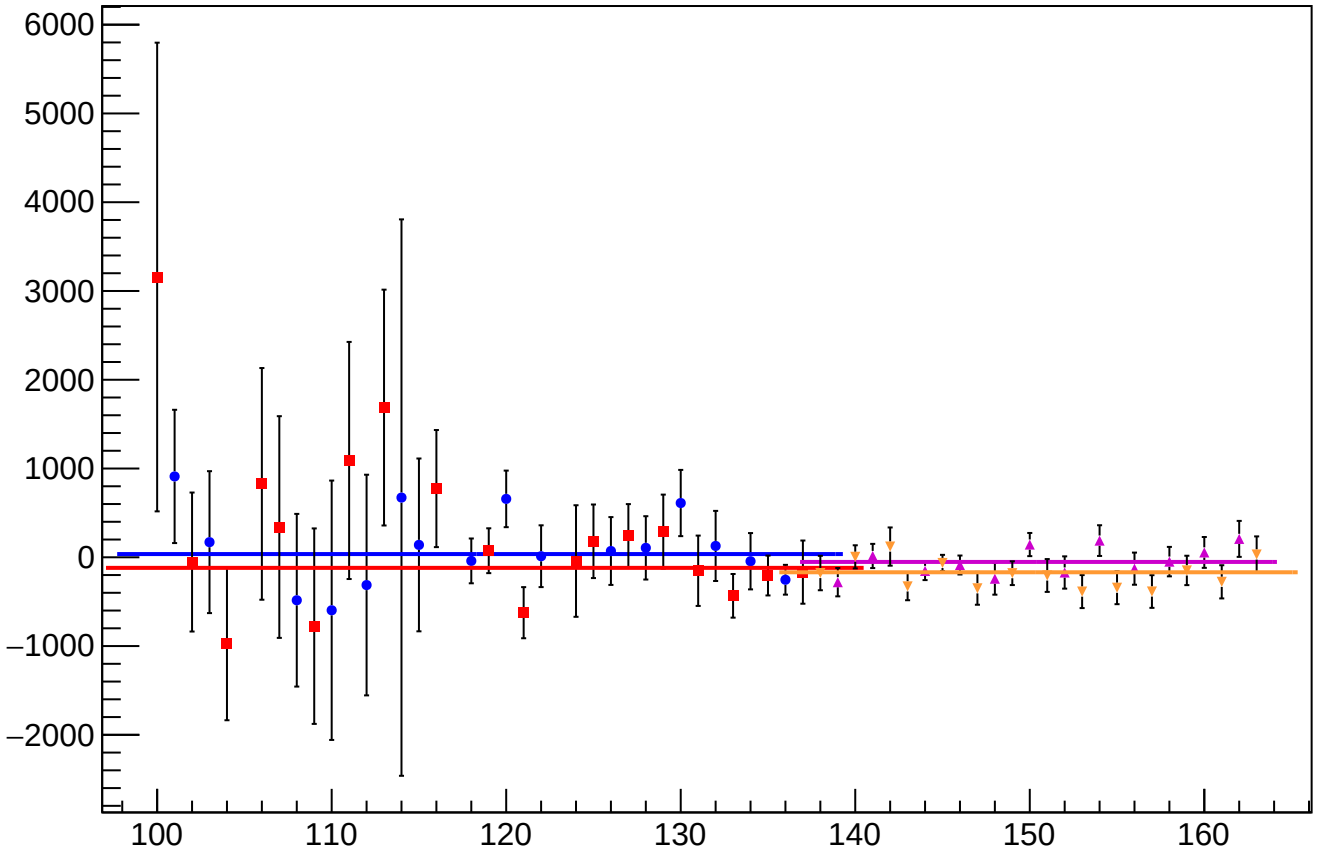
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

+ sign 44.676+/-0.008 χ^2/NDF: 1955677.7/29

All: 44.901+/-0.005 χ^2/NDF: 4207724.7/60

- sign 45.141+/-0.008 χ^2/NDF: 2250224.6/30



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.832+/-42.310 χ^2/NDF:11.9/13

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

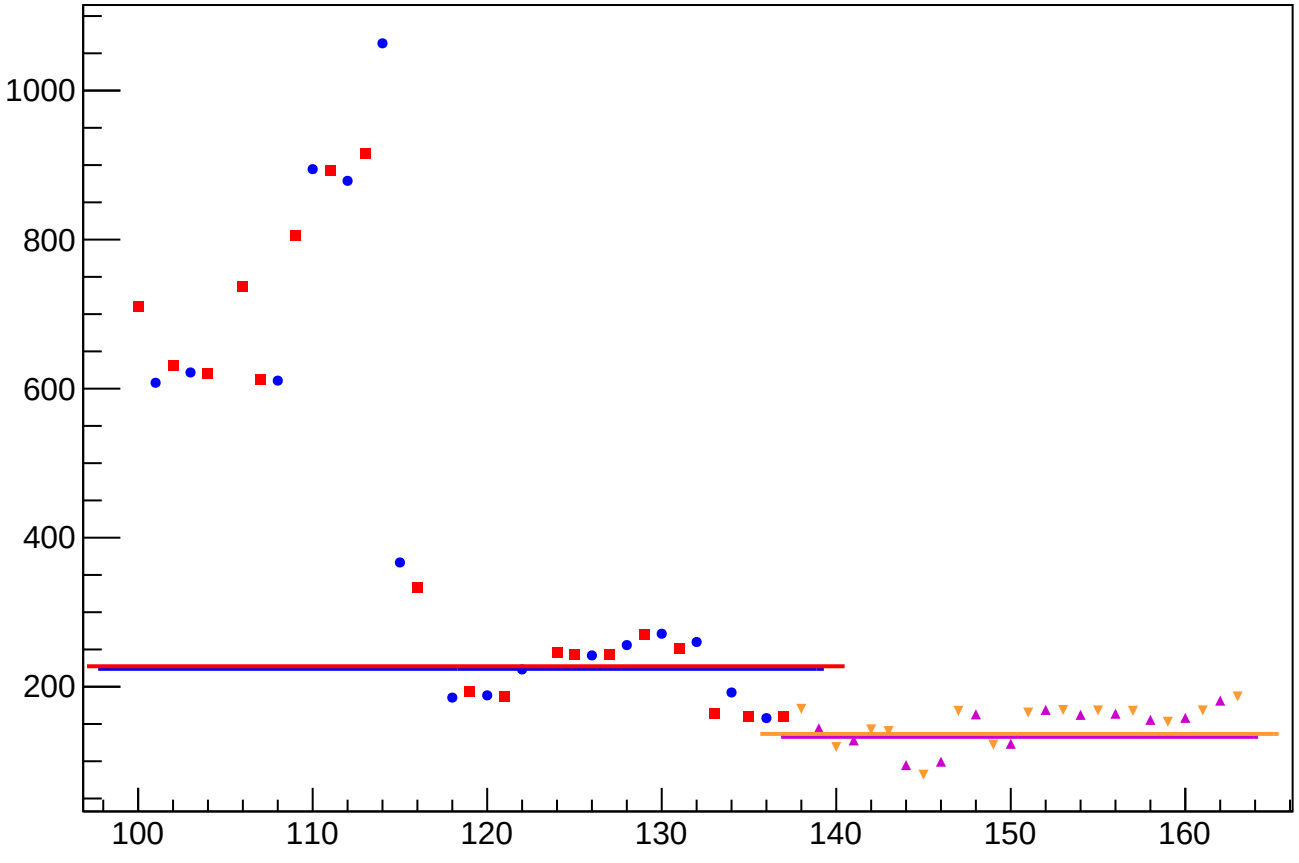
Left In: -52.356+/-42.579 χ^2/NDF:11.2/11

+ sign -134.001+/-38.552 χ^2/NDF: 27.3/29

All: -99.014+/-27.386 χ^2/NDF: 56.6/60

- sign -63.371+/-38.912 χ^2/NDF: 27.7/30

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313298.9/13

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

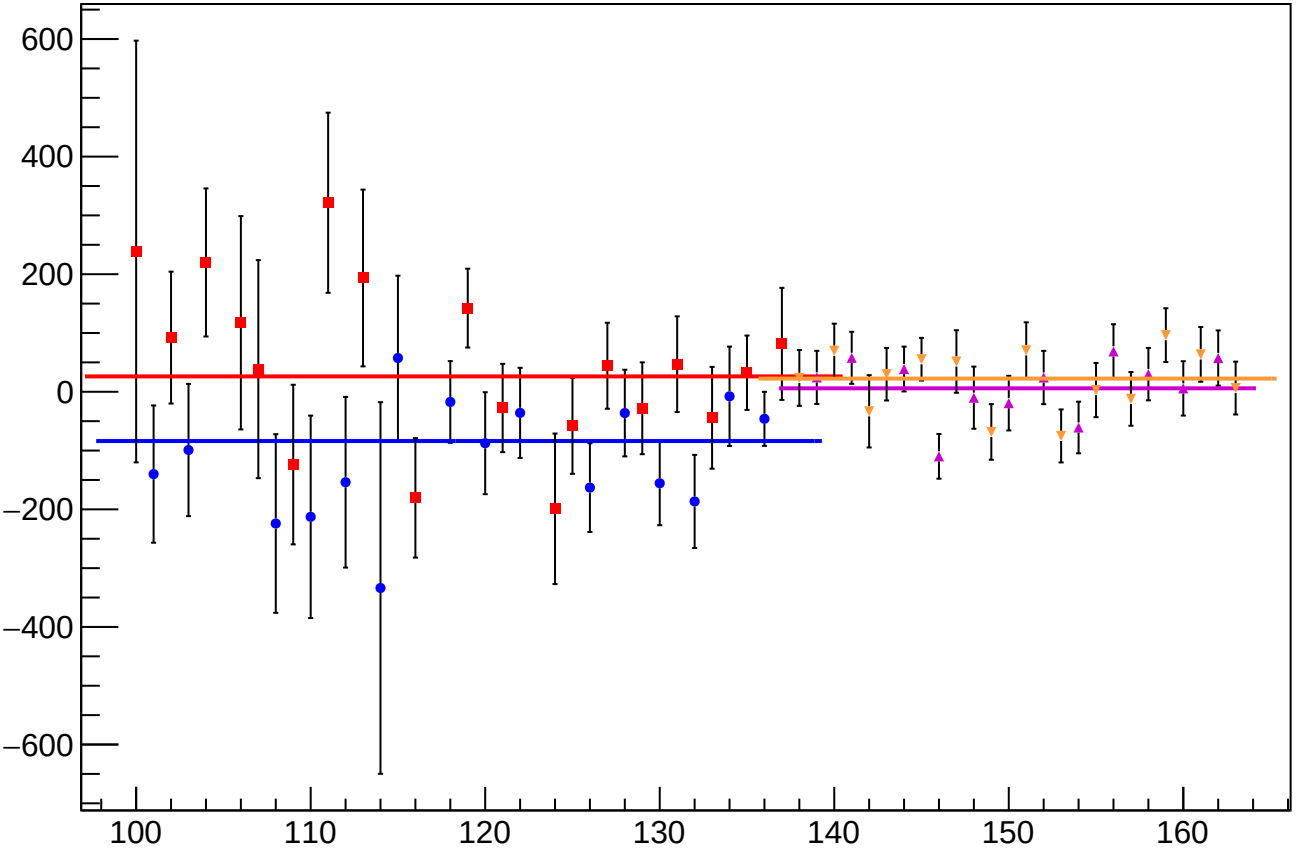
Left In: 132.777+/-0.030 χ^2/NDF:934302.6/11

+ sign 151.525+/-0.027 χ^2/NDF: 5728488.0/29

All: 149.970+/-0.019 χ^2/NDF: 11940072.5/60

- sign 148.386+/-0.028 χ^2/NDF: 6205016.6/30

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

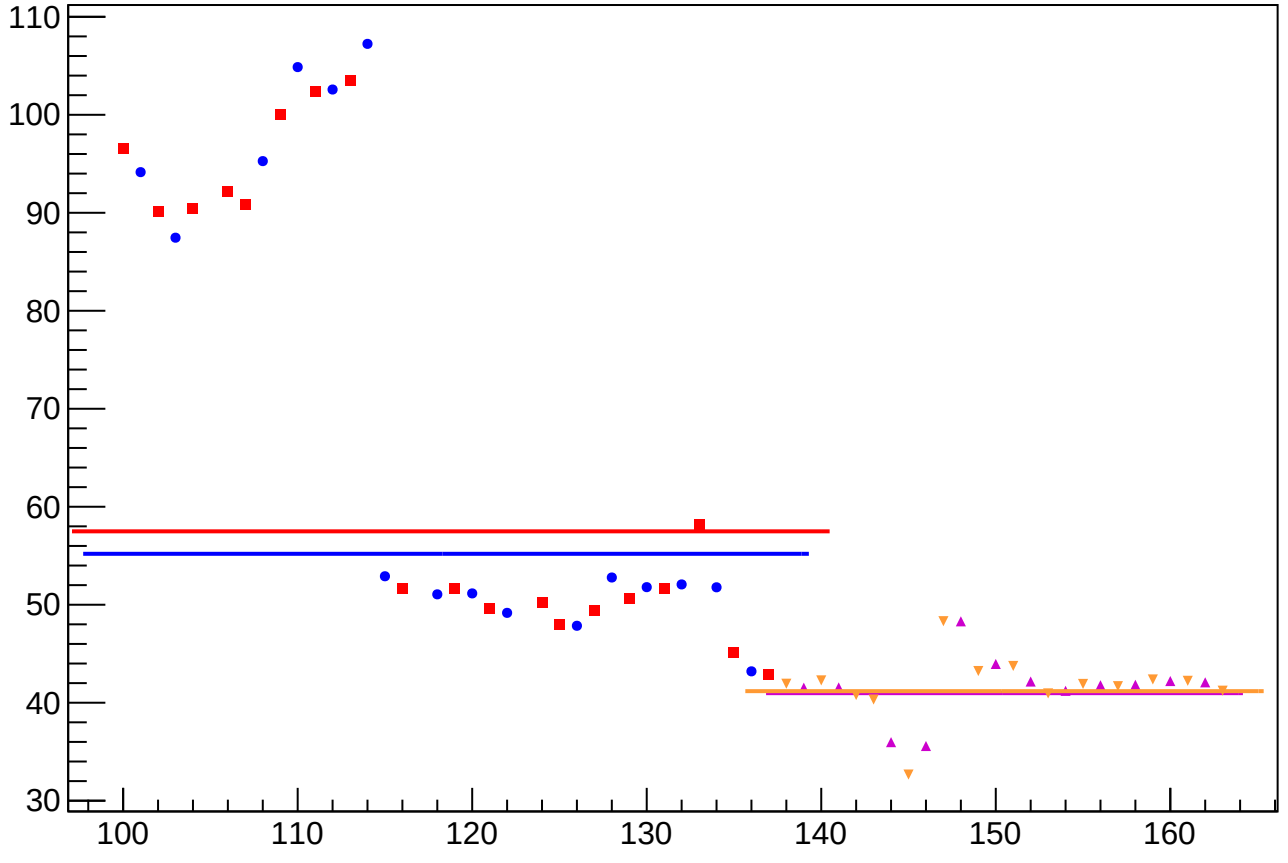
Left In: 5.892+/-12.799 χ^2/NDF:17.8/11

+ sign -4.053+/-10.704 χ^2/NDF: 45.6/29

All: 3.214+/-7.696 χ^2/NDF: 87.9/60

- sign 10.989+/-11.072 χ^2/NDF: 41.3/30

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

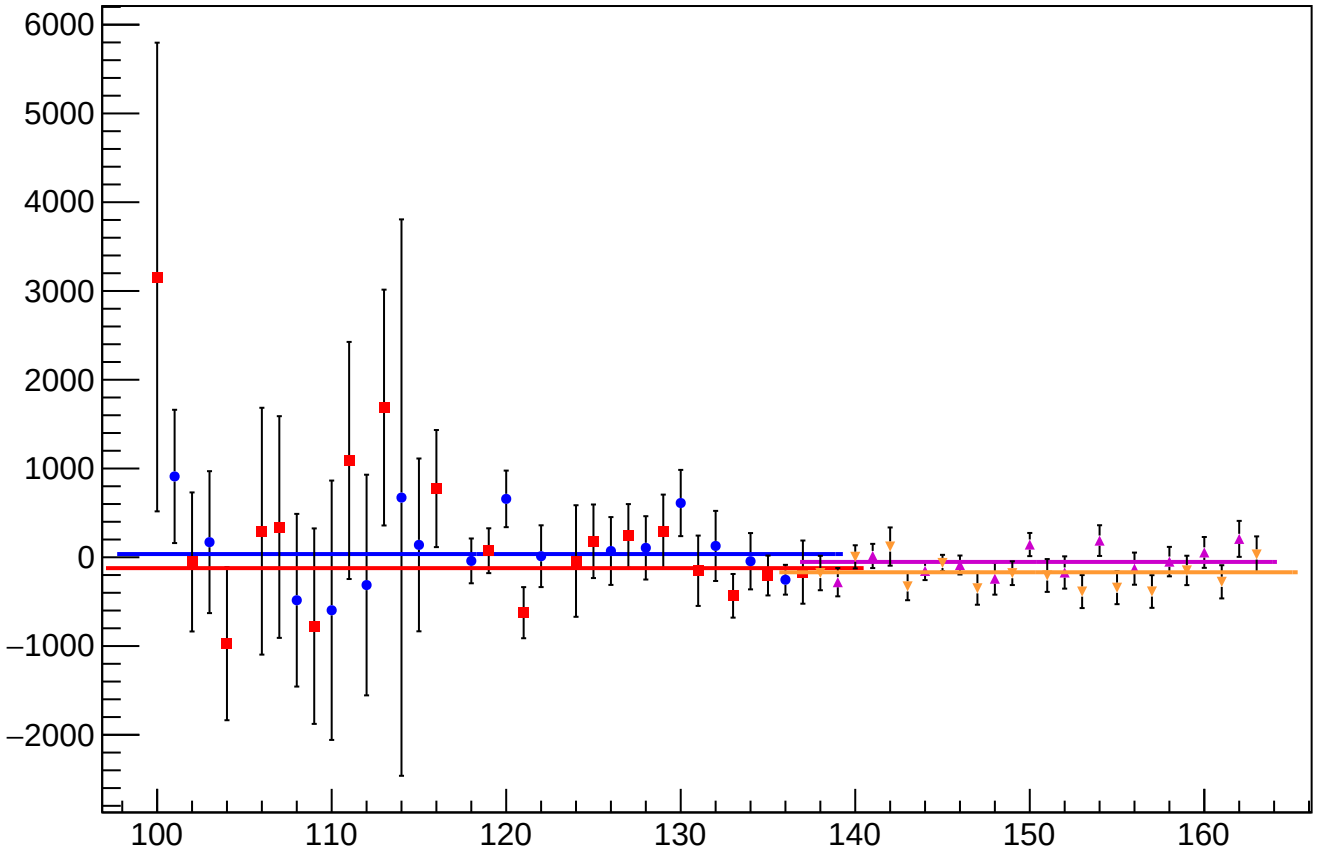
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

+ sign 44.676+/-0.008 χ^2/NDF: 1955678.0/29

All: 44.897+/-0.005 χ^2/NDF: 4197204.5/60

- sign 45.133+/-0.008 χ^2/NDF: 2239765.3/30



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.834+/-42.310 χ^2/NDF:11.9/13

Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

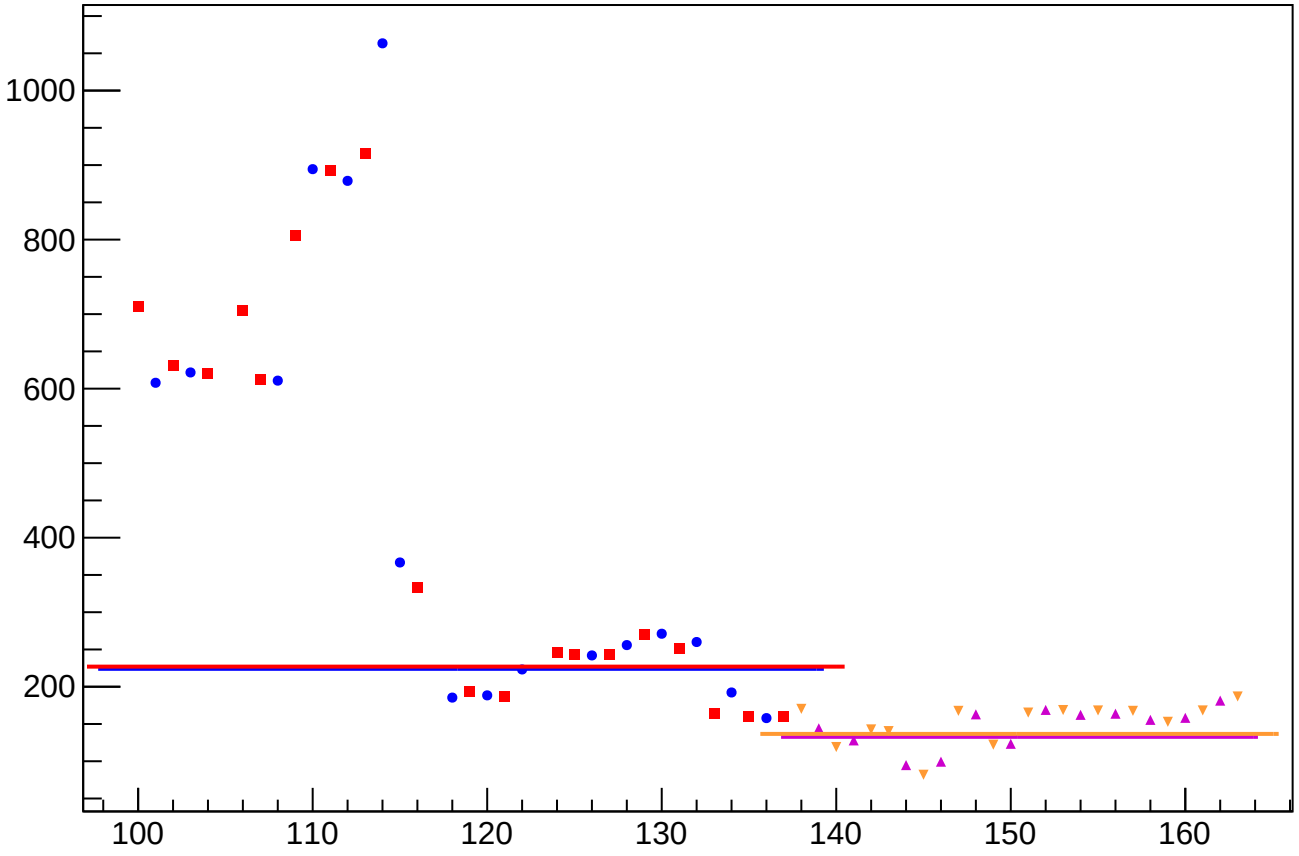
Left In: -52.356+/-42.579 χ^2/NDF:11.2/11

+ sign -134.002+/-38.552 χ^2/NDF: 27.3/29

All: -99.268+/-27.387 χ^2/NDF: 56.2/60

- sign -63.879+/-38.914 χ^2/NDF: 27.3/30

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

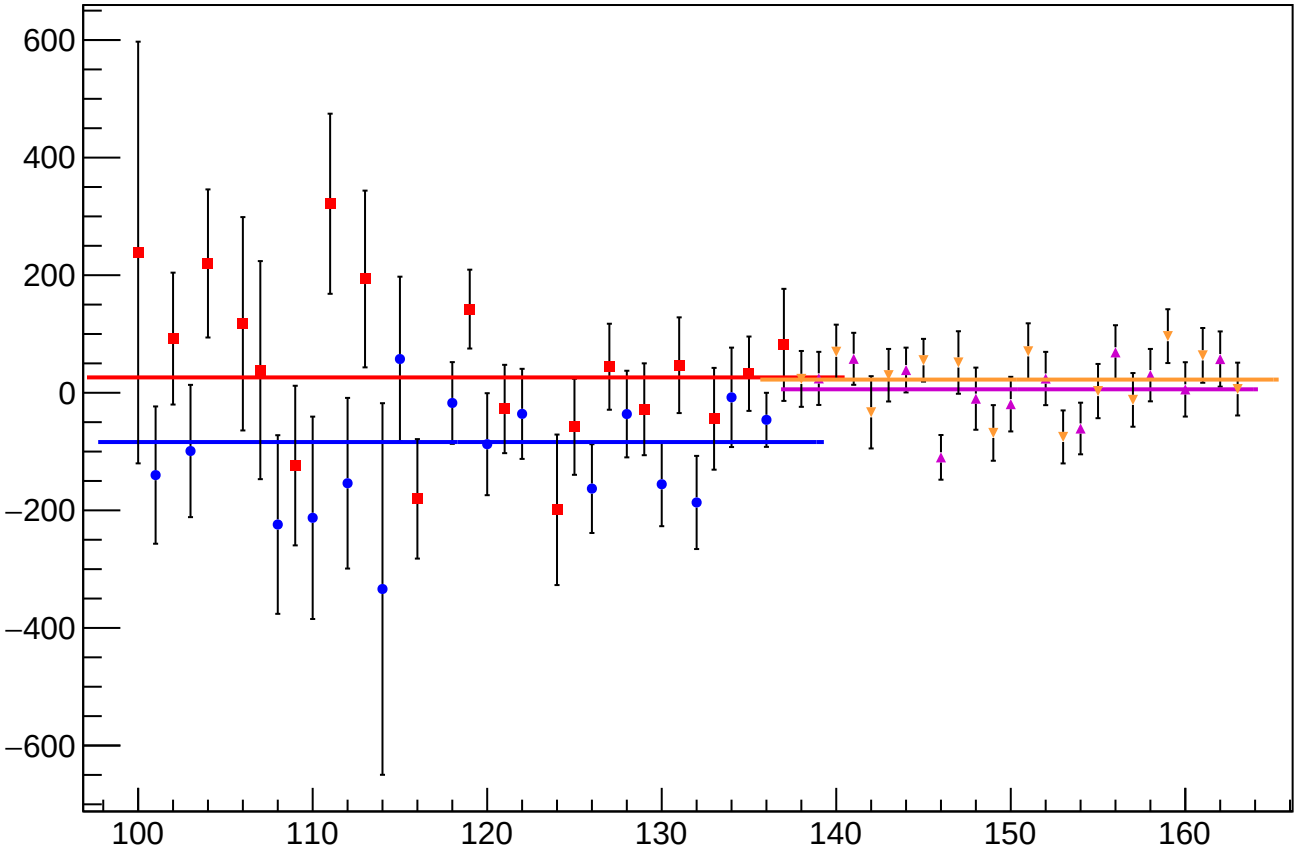
Left In: 132.777+/-0.030 χ^2/NDF:934307.0/11

+ sign 151.525+/-0.027 χ^2/NDF: 5728498.3/29

All: 149.926+/-0.019 χ^2/NDF: 11854414.5/60

- sign 148.298+/-0.028 χ^2/NDF: 6118976.3/30

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

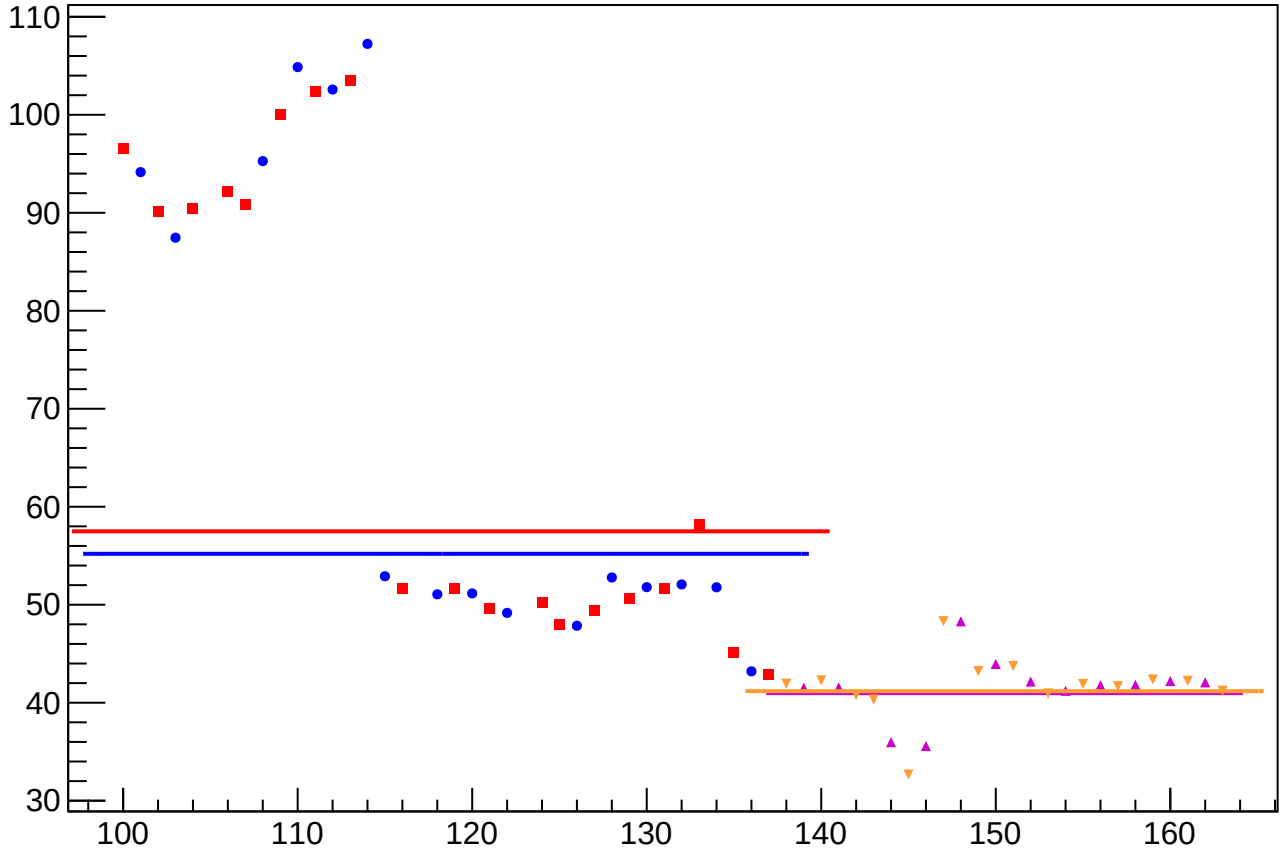
Left In: 5.892+/-12.799 χ^2/NDF:17.8/11

+ sign -4.053+/-10.704 χ^2/NDF: 45.6/29

All: 3.214+/-7.696 χ^2/NDF: 87.9/60

- sign 10.989+/-11.072 χ^2/NDF: 41.3/30

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

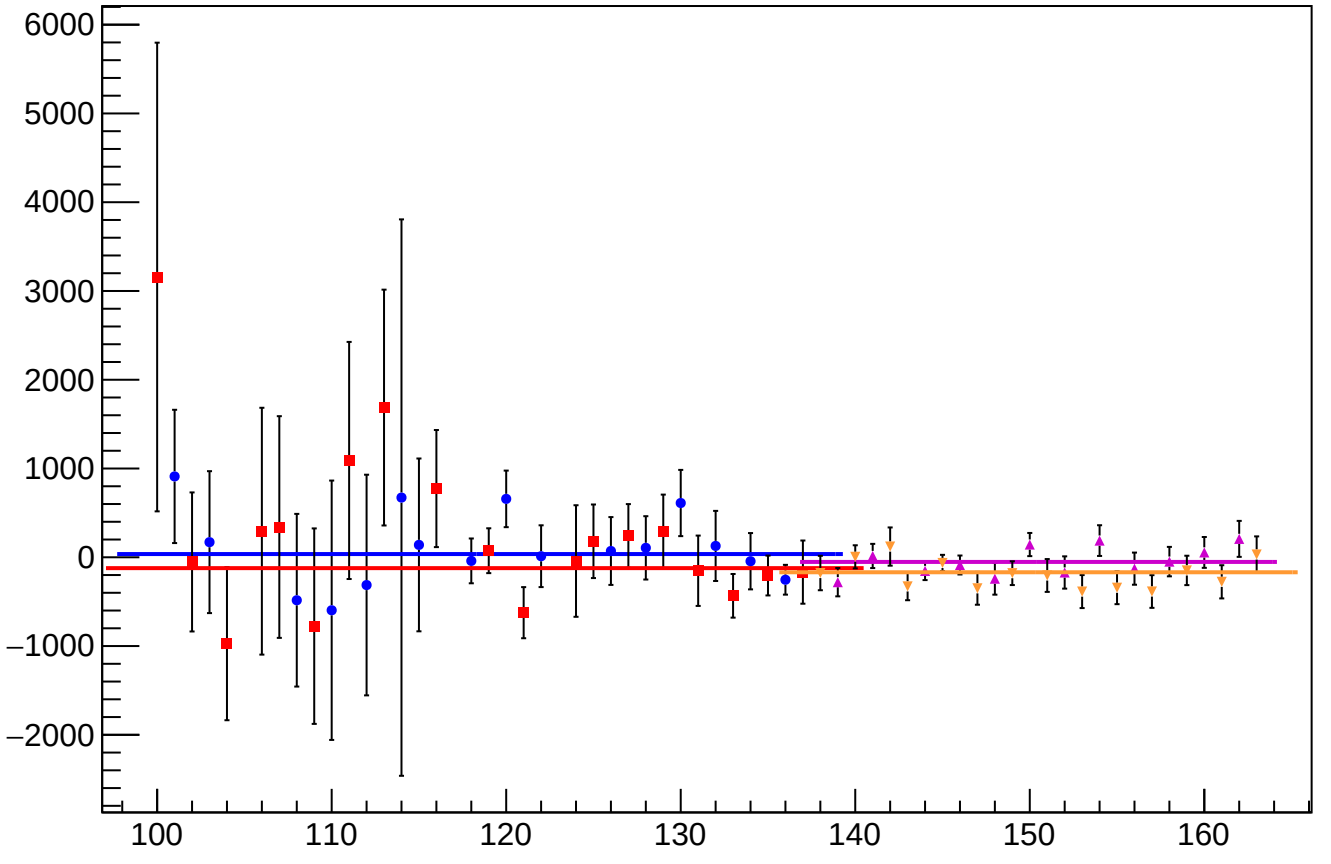
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

+ sign 44.676+/-0.008 χ^2/NDF: 1955678.0/29

All: 44.897+/-0.005 χ^2/NDF: 4197204.5/60

- sign 45.133+/-0.008 χ^2/NDF: 2239765.3/30



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.834+/-42.310 χ^2/NDF:11.9/13

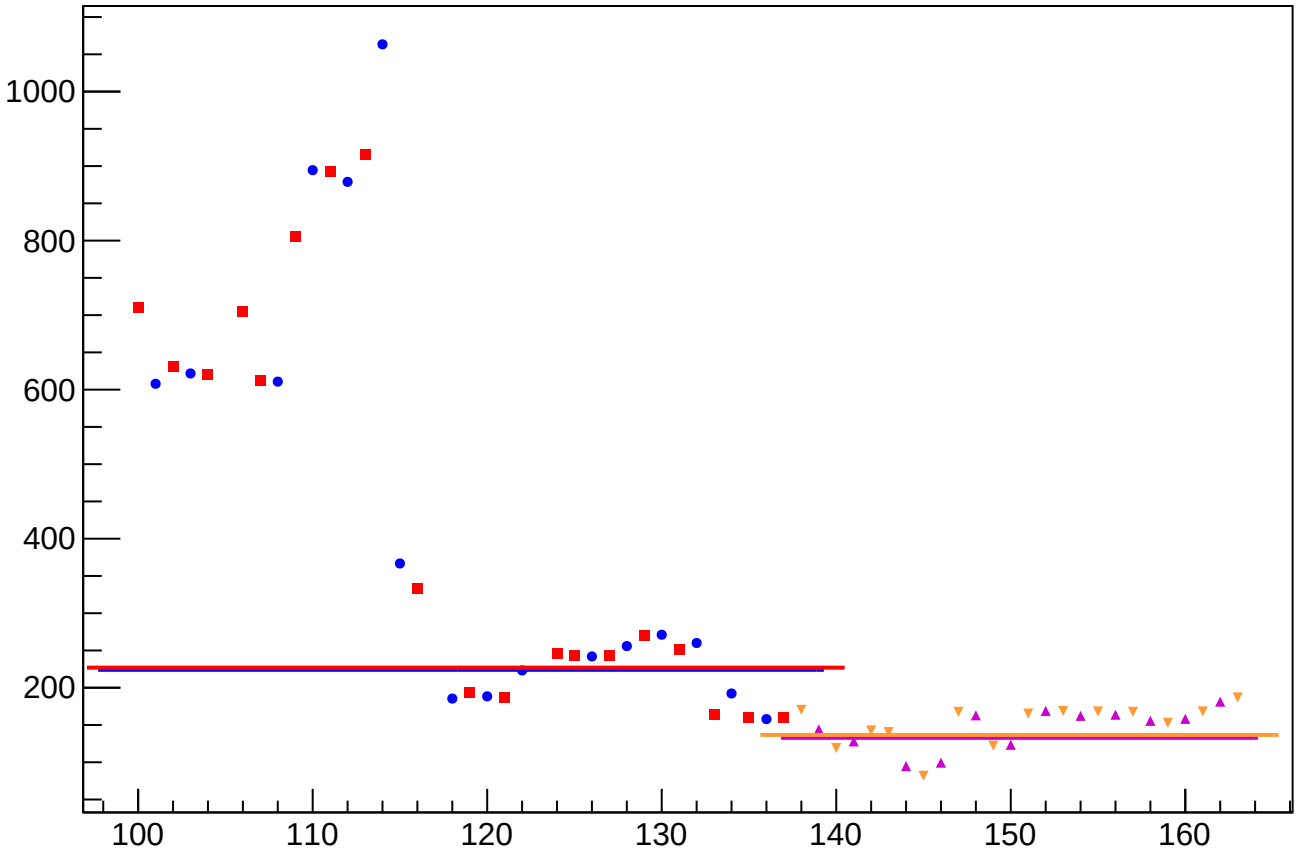
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -52.356+/-42.579 χ^2/NDF:11.2/11

+ sign -134.002+/-38.552 χ^2/NDF: 27.3/29

All: -99.268+/-27.387 χ^2/NDF: 56.2/60

- sign -63.879+/-38.914 χ^2/NDF: 27.3/30



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

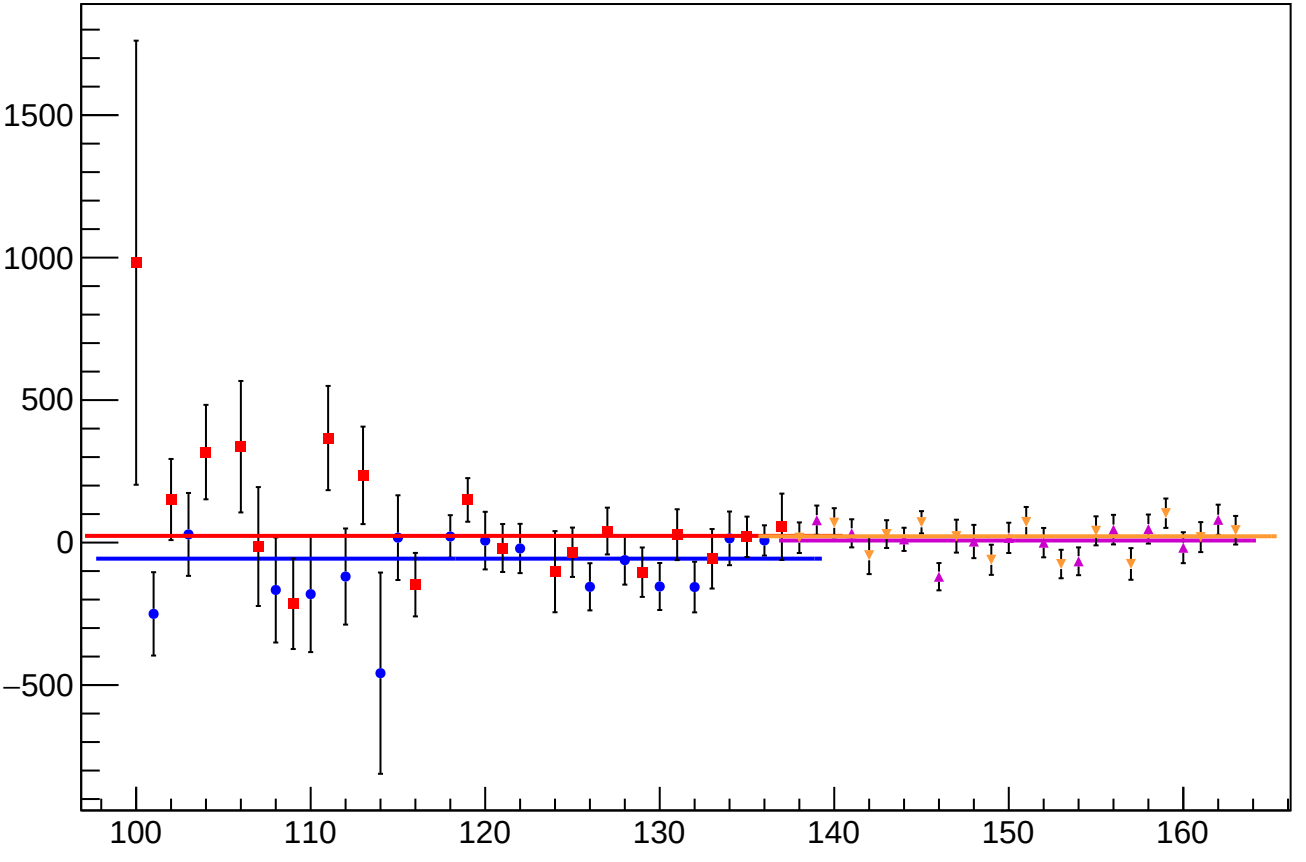
Left In: 132.777+/-0.030 χ^2/NDF:934307.0/11

+ sign 151.525+/-0.027 χ^2/NDF: 5728498.3/29

All: 149.926+/-0.019 χ^2/NDF: 11854414.5/60

- sign 148.298+/-0.028 χ^2/NDF: 6118976.3/30

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.136+/-13.743 χ^2/NDF:16.5/13

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

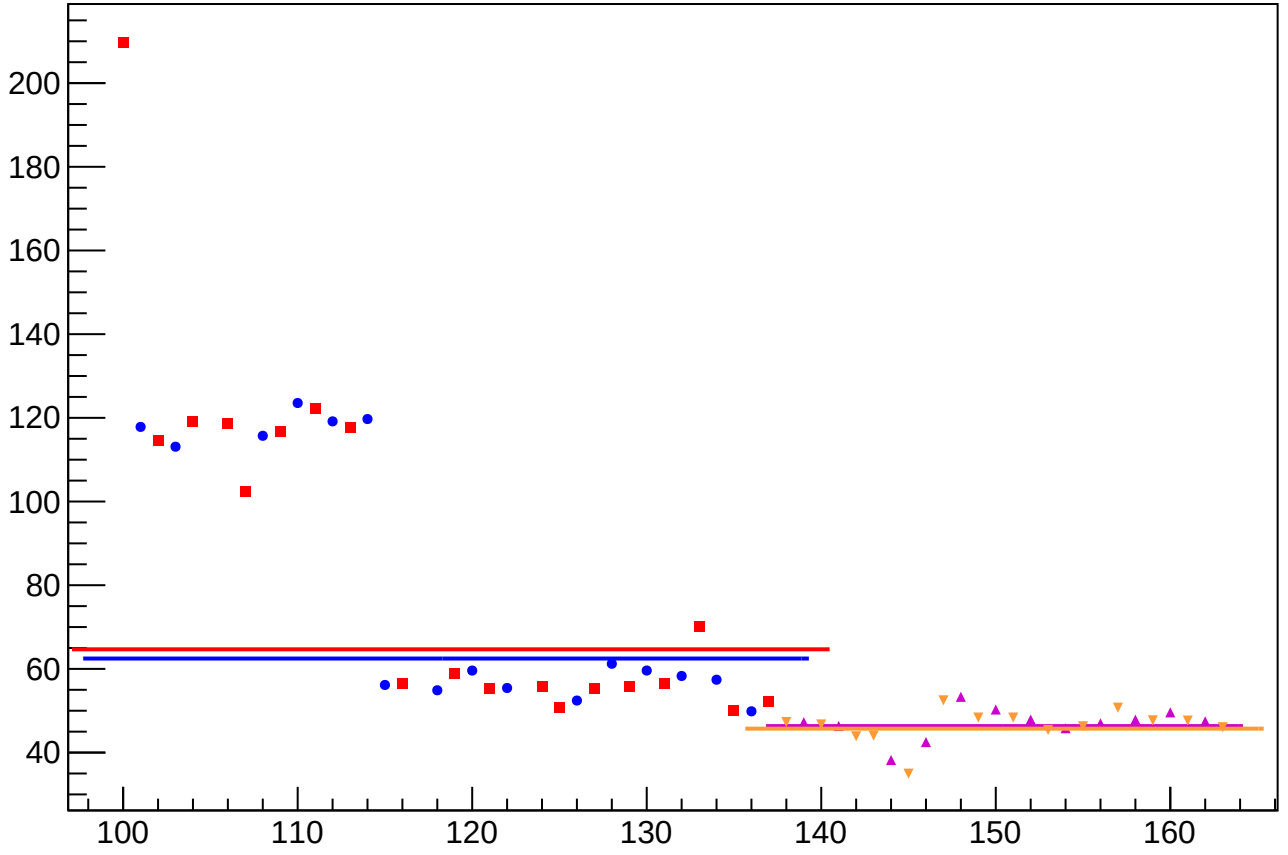
Left In: 7.289+/-14.545 χ^2/NDF:14.8/11

+ sign 3.323+/-11.985 χ^2/NDF: 36.5/29

All: 7.138+/-8.681 χ^2/NDF: 75.9/60

- sign 11.349+/-12.592 χ^2/NDF: 39.2/30

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.716+/-0.010 χ^2/NDF:217811.4/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

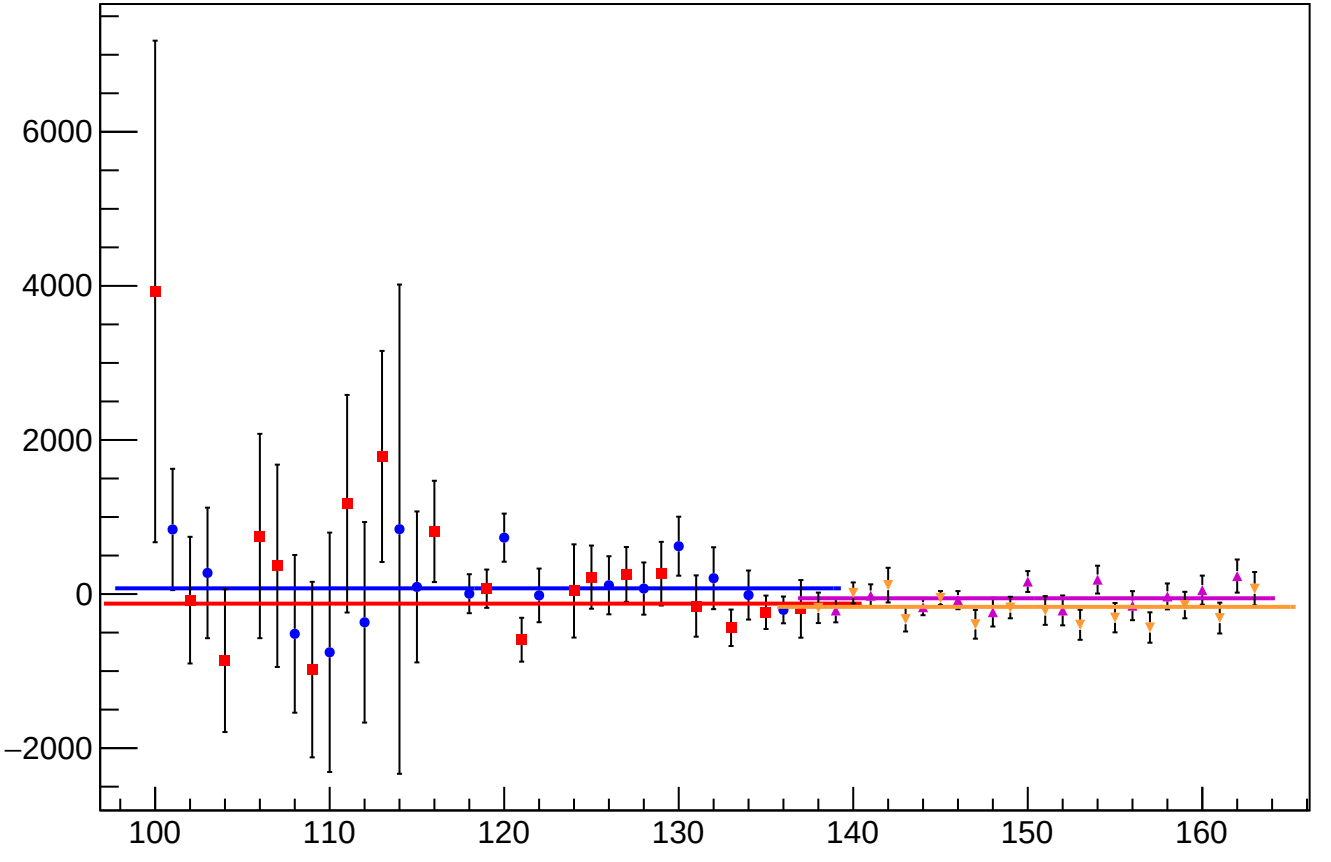
Left In: 46.326+/-0.010 χ^2/NDF:145212.4/11

+ sign 49.729+/-0.008 χ^2/NDF: 2278343.2/29

All: 50.297+/-0.006 χ^2/NDF: 4821174.9/60

- sign 50.923+/-0.009 χ^2/NDF: 2533398.7/30

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

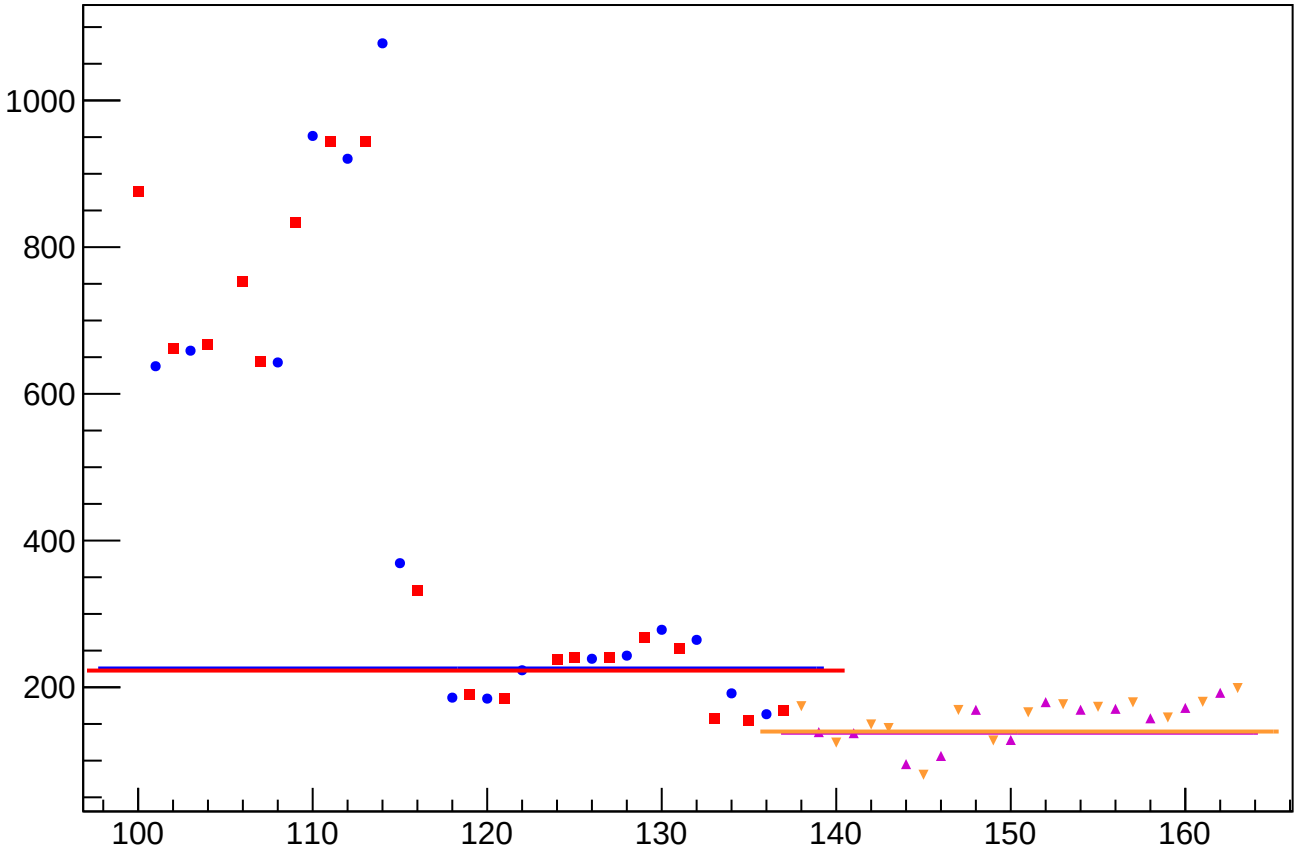
Left In: -54.750+/-44.451 χ^2/NDF:10.7/11

+ sign -124.221+/-39.466 χ^2/NDF: 29.6/29

All: -96.308+/-28.175 χ^2/NDF: 58.1/60

- sign -67.297+/-40.236 χ^2/NDF: 27.5/30

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 139.666+/-0.031 χ^2/NDF:1523739.1/13

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

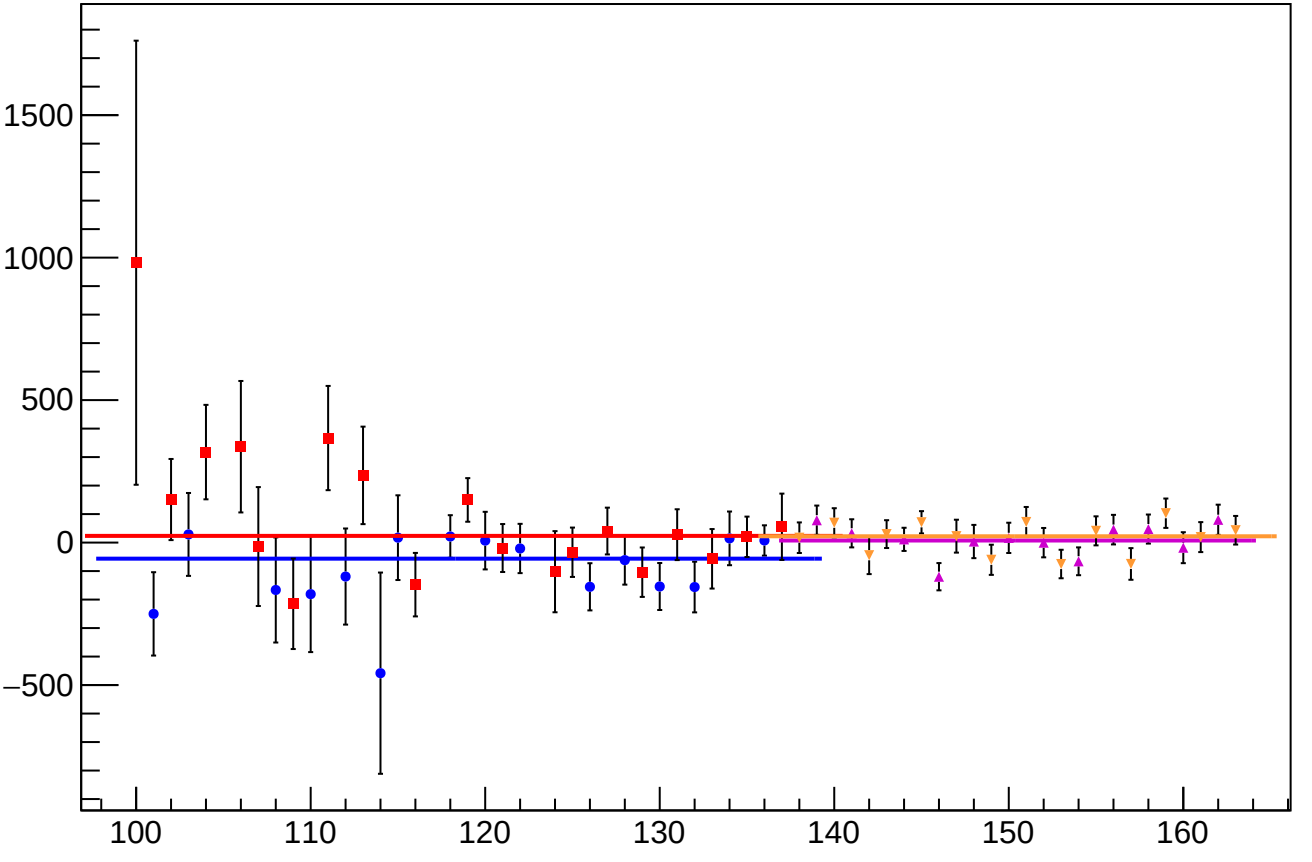
Left In: 138.047+/-0.031 χ^2/NDF:978676.0/11

+ sign 154.659+/-0.028 χ^2/NDF: 5915760.5/29

All: 154.020+/-0.020 χ^2/NDF: 12056723.4/60

- sign 153.355+/-0.028 χ^2/NDF: 6139891.9/30

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.137+/-13.743 χ^2/NDF:16.5/13

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

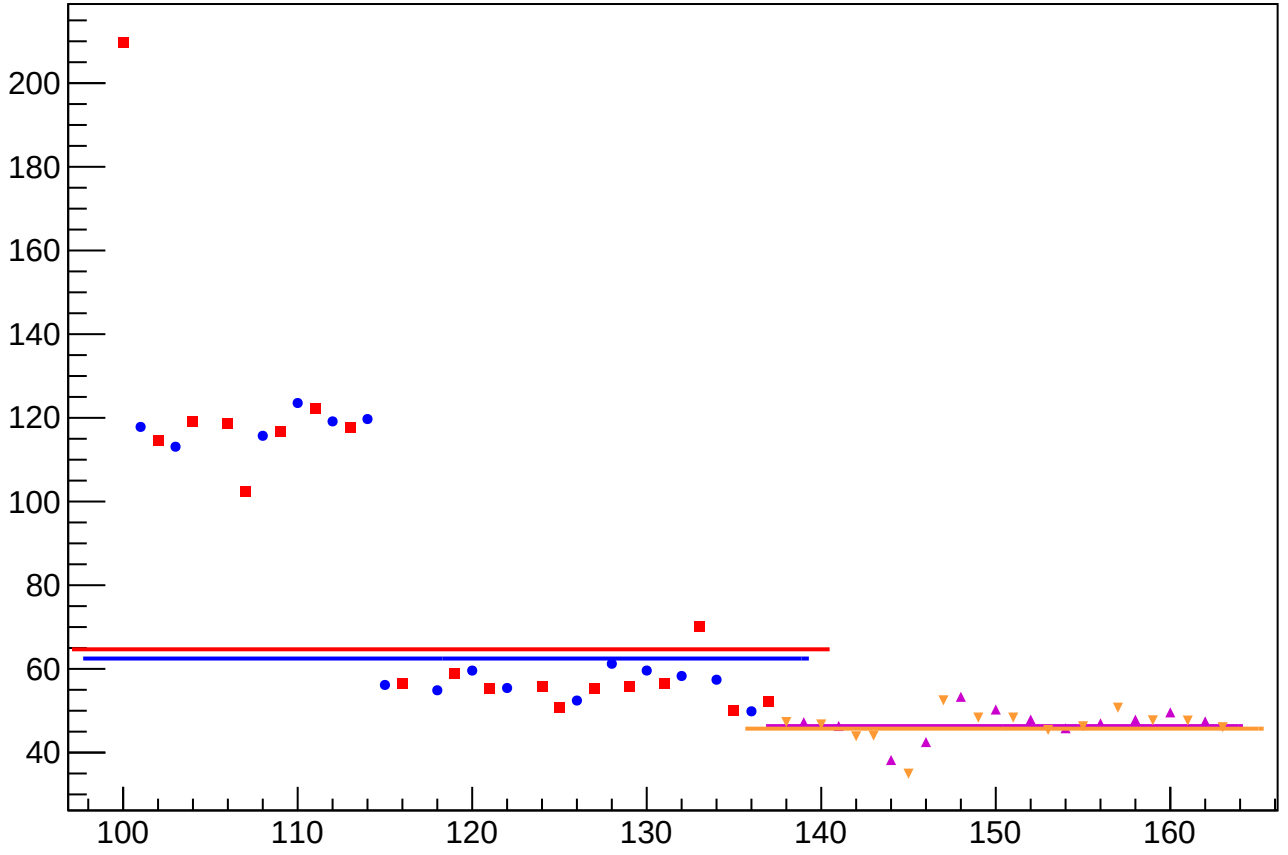
Left In: 7.289+/-14.545 χ^2/NDF:14.8/11

+ sign 3.323+/-11.985 χ^2/NDF: 36.5/29

All: 7.138+/-8.681 χ^2/NDF: 75.9/60

- sign 11.349+/-12.592 χ^2/NDF: 39.2/30

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.716+/-0.010 χ^2/NDF:217816.3/13

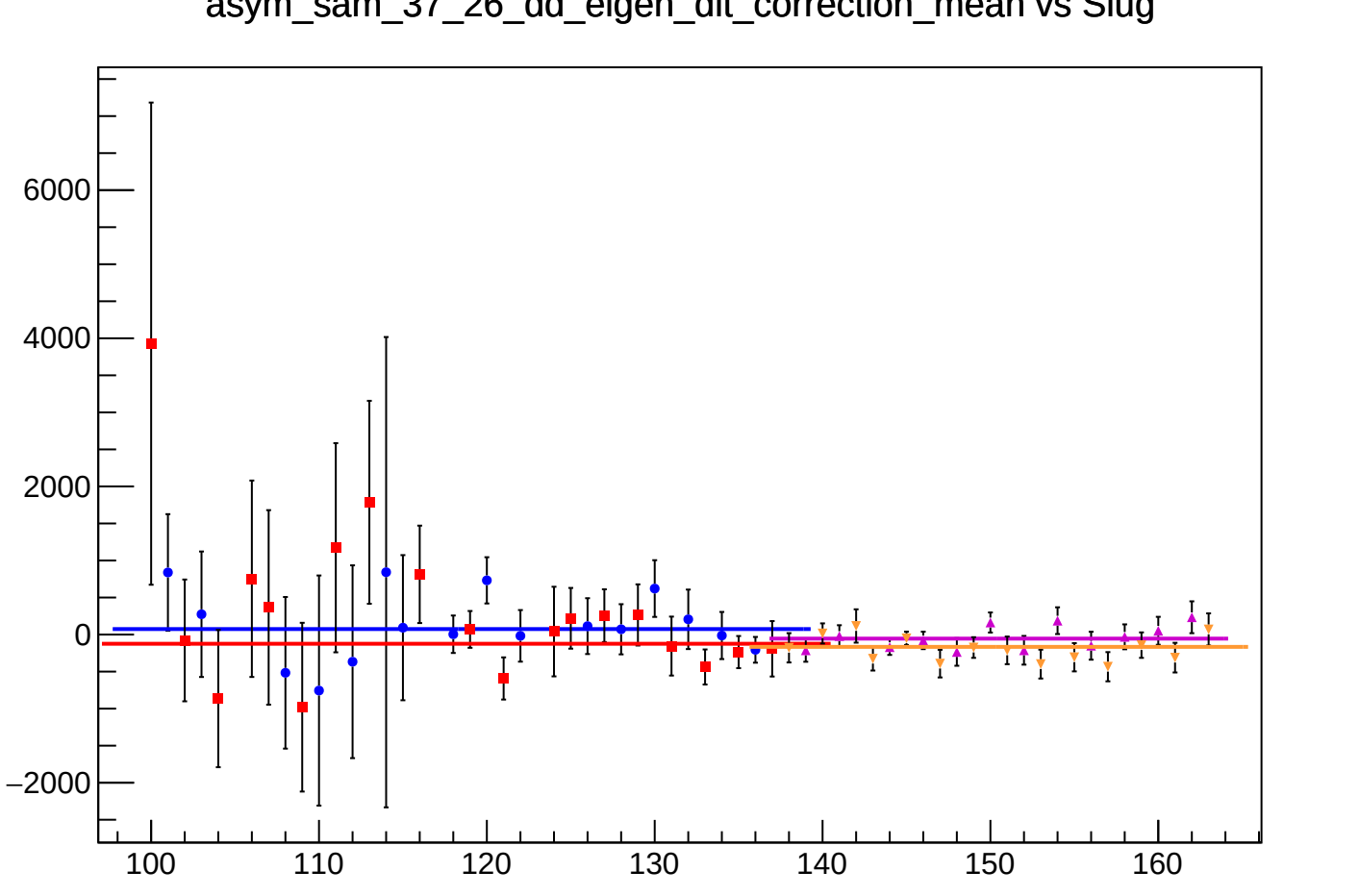
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.326+/-0.010 χ^2/NDF:145213.5/11

+ sign 49.729+/-0.008 χ^2/NDF: 2278284.2/29

All: 50.297+/-0.006 χ^2/NDF: 4821069.3/60

- sign 50.923+/-0.009 χ^2/NDF: 2533351.6/30



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -166.168+/-43.436 χ^2/NDF:13.0/13

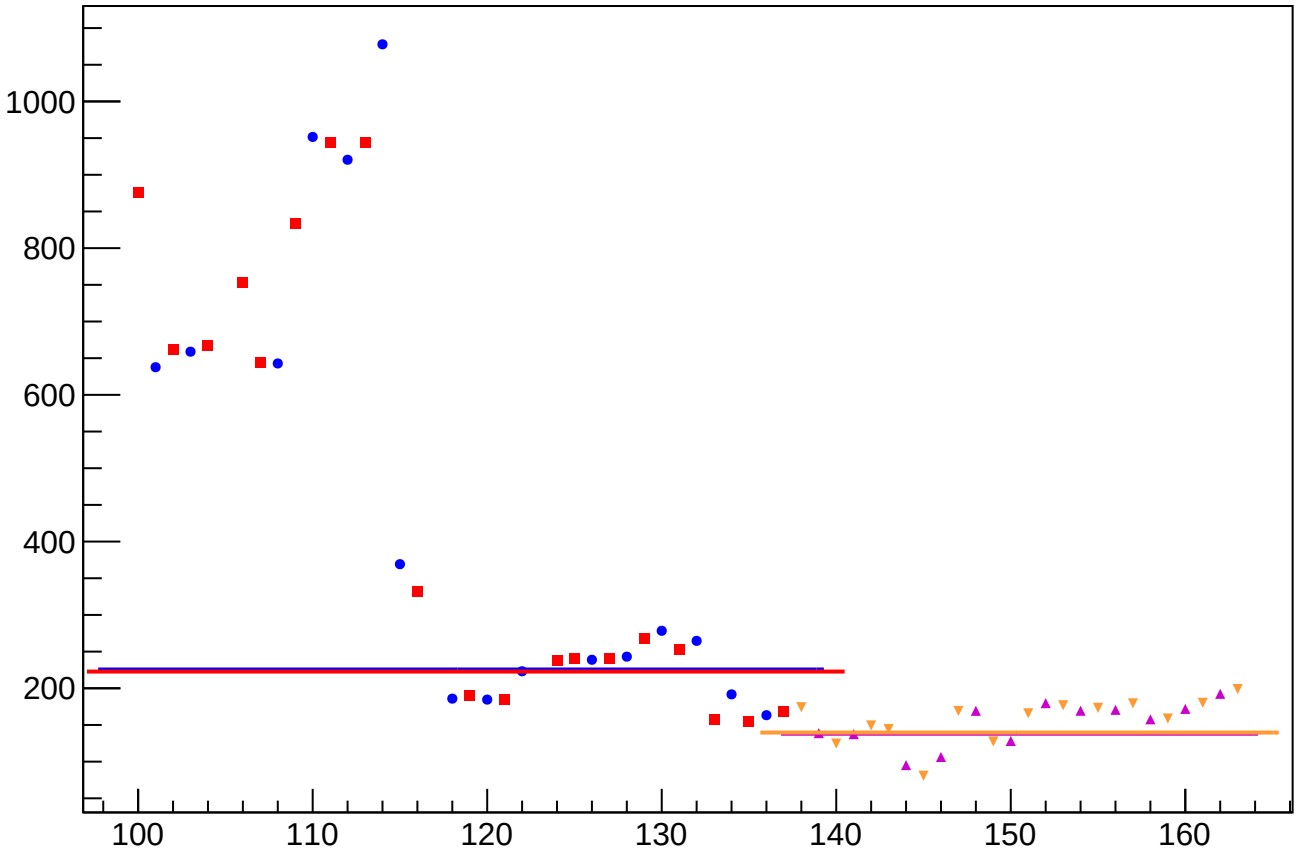
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -54.750+/-44.451 χ^2/NDF:10.7/11

+ sign -124.220+/-39.466 χ^2/NDF: 29.6/29

All: -96.308+/-28.175 χ^2/NDF: 58.1/60

- sign -67.296+/-40.236 χ^2/NDF: 27.5/30



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 139.667+/-0.031 χ^2/NDF:1523725.5/13

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

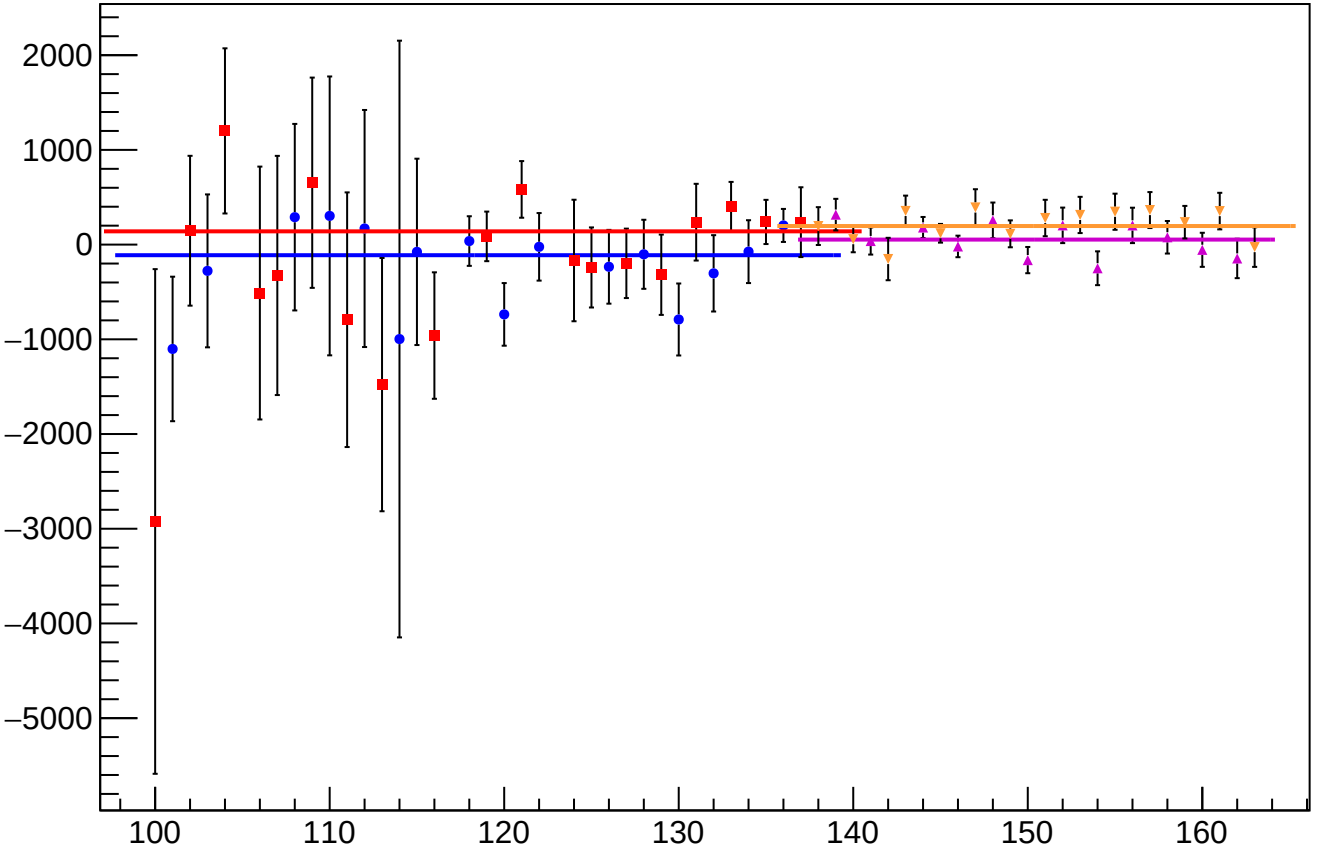
Left In: 138.047+/-0.031 χ^2/NDF:978675.2/11

+ sign 154.660+/-0.028 χ^2/NDF: 5915720.0/29

All: 154.020+/-0.020 χ^2/NDF: 12056666.7/60

- sign 153.356+/-0.028 χ^2/NDF: 6139875.4/30

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 196.102+/-44.385 χ^2/NDF:10.2/13

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

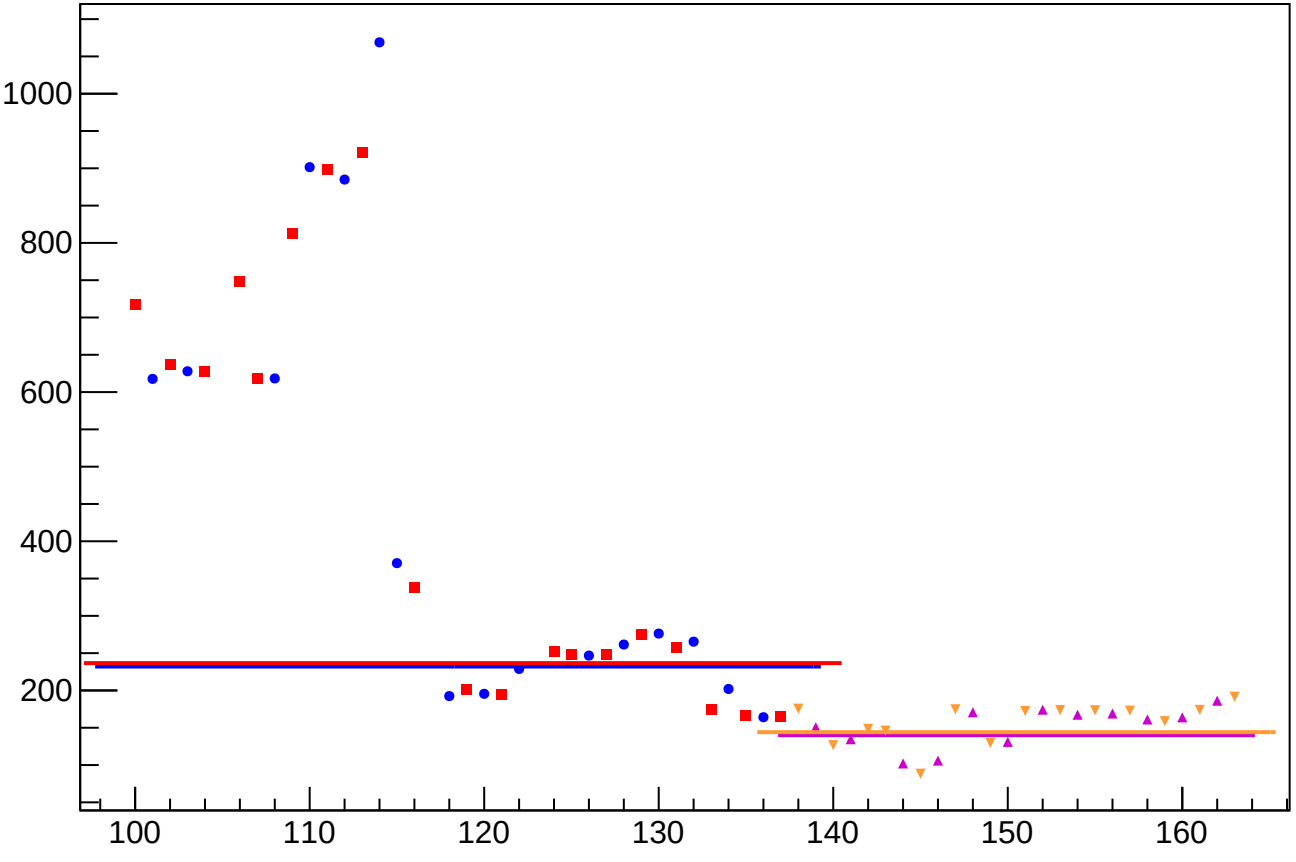
Left In: 52.879+/-44.733 χ^2/NDF:13.3/11

+ sign 142.365+/-40.328 χ^2/NDF: 31.4/29

All: 105.398+/-28.673 χ^2/NDF: 61.7/60

- sign 67.603+/-40.777 χ^2/NDF: 28.6/30

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.082+/-0.031 χ^2/NDF:1141383.6/13

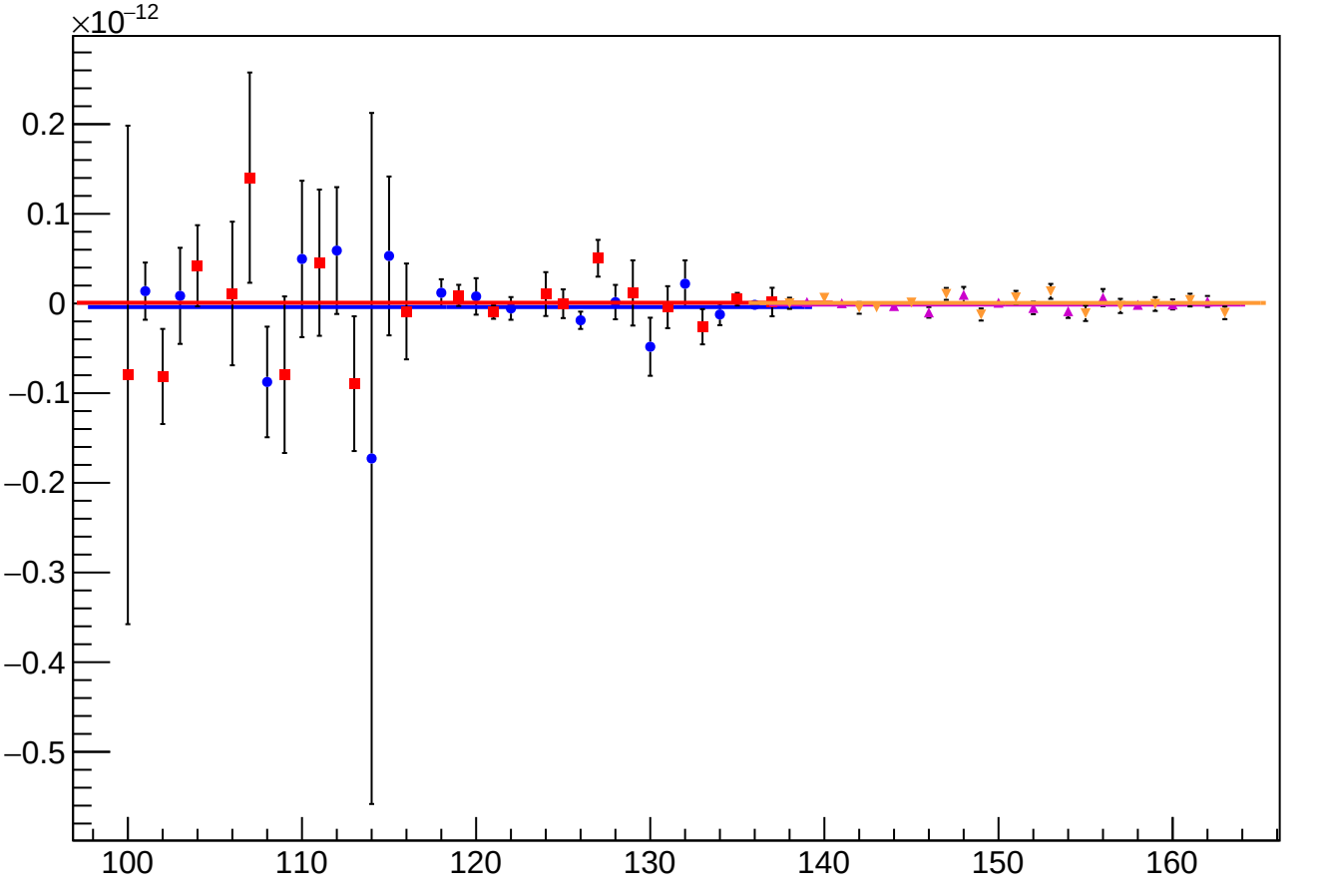
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 140.061+/-0.032 χ^2/NDF:811479.2/11

+ sign 159.439+/-0.029 χ^2/NDF: 5399261.3/29

All: 157.931+/-0.020 χ^2/NDF: 11313701.4/60

- sign 156.390+/-0.029 χ^2/NDF: 5908787.4/30



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/13

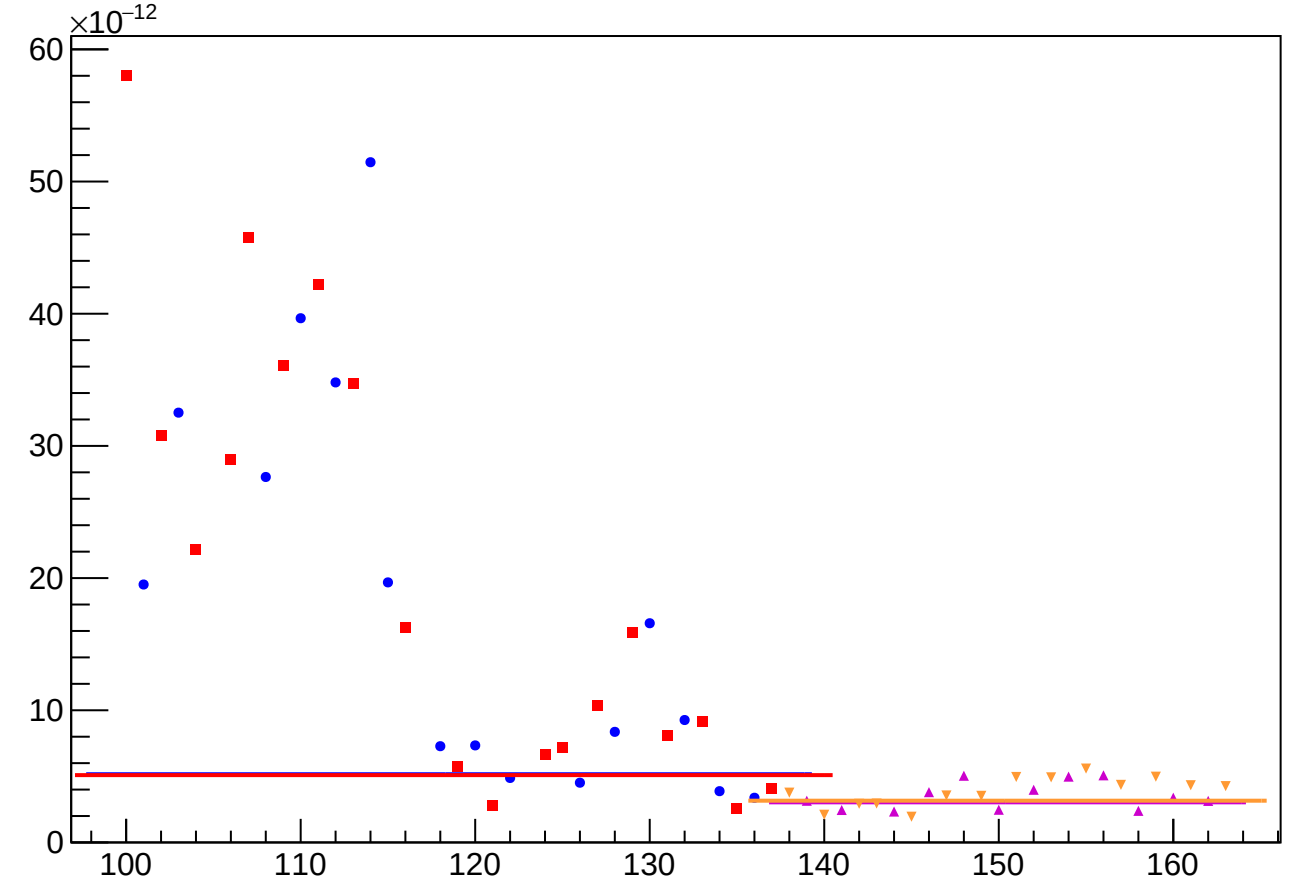
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 30.7/29

All: -0.000+/-0.000 χ^2/NDF: 56.0/60

- sign -0.000+/-0.000 χ^2/NDF: 25.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1138566.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

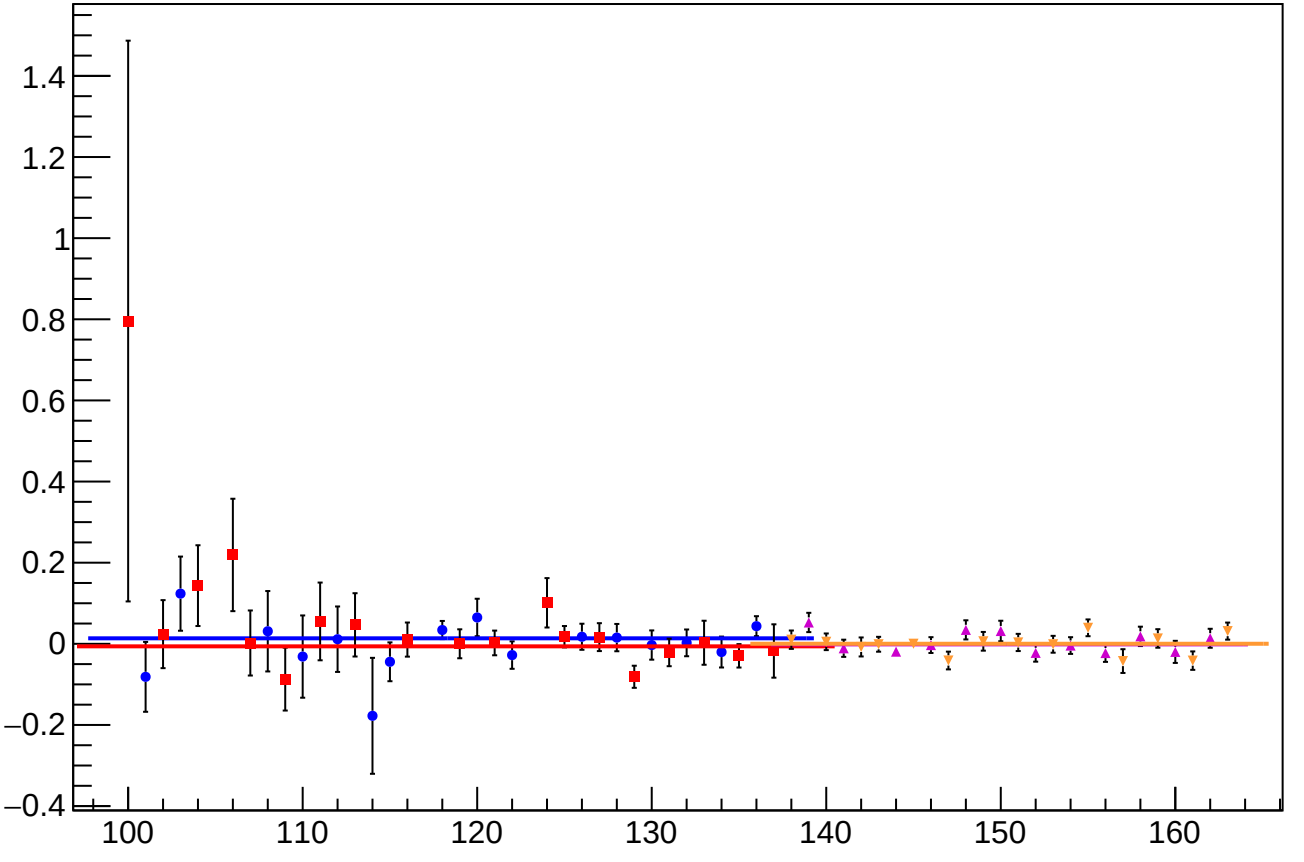
Left In: 0.000+/-0.000 χ^2/NDF:590835.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 4265249.3/29

All: 0.000+/-0.000 χ^2/NDF: 8572616.9/60

- sign 0.000+/-0.000 χ^2/NDF: 4297332.6/30

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+/-0.005 χ^2/NDF:15.6/13

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

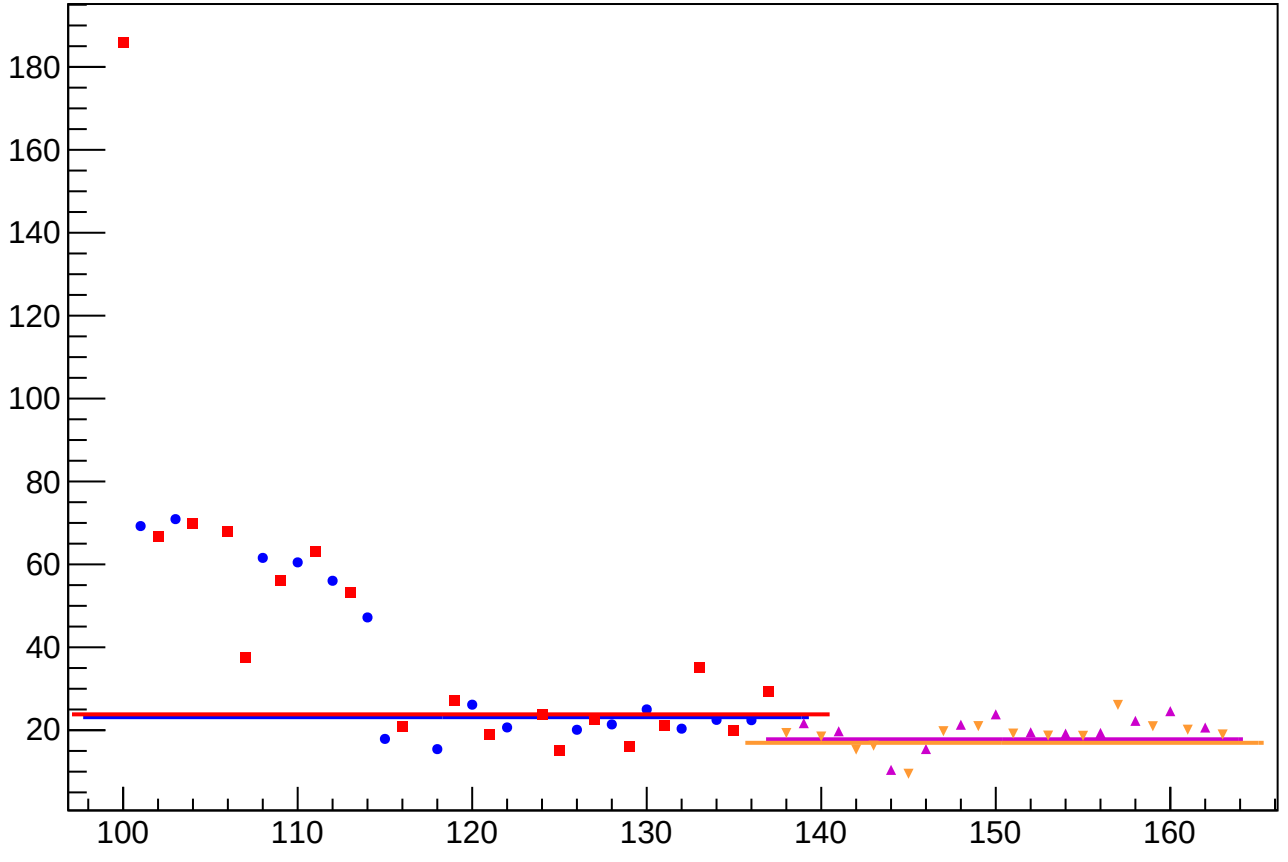
Left In: -0.001+/-0.006 χ^2/NDF:15.1/11

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.001+/-0.003 χ^2/NDF: 66.9/60

- sign -0.003+/-0.005 χ^2/NDF: 36.8/30

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: 16.959+/-0.004 χ^2/NDF:1374170.4/13

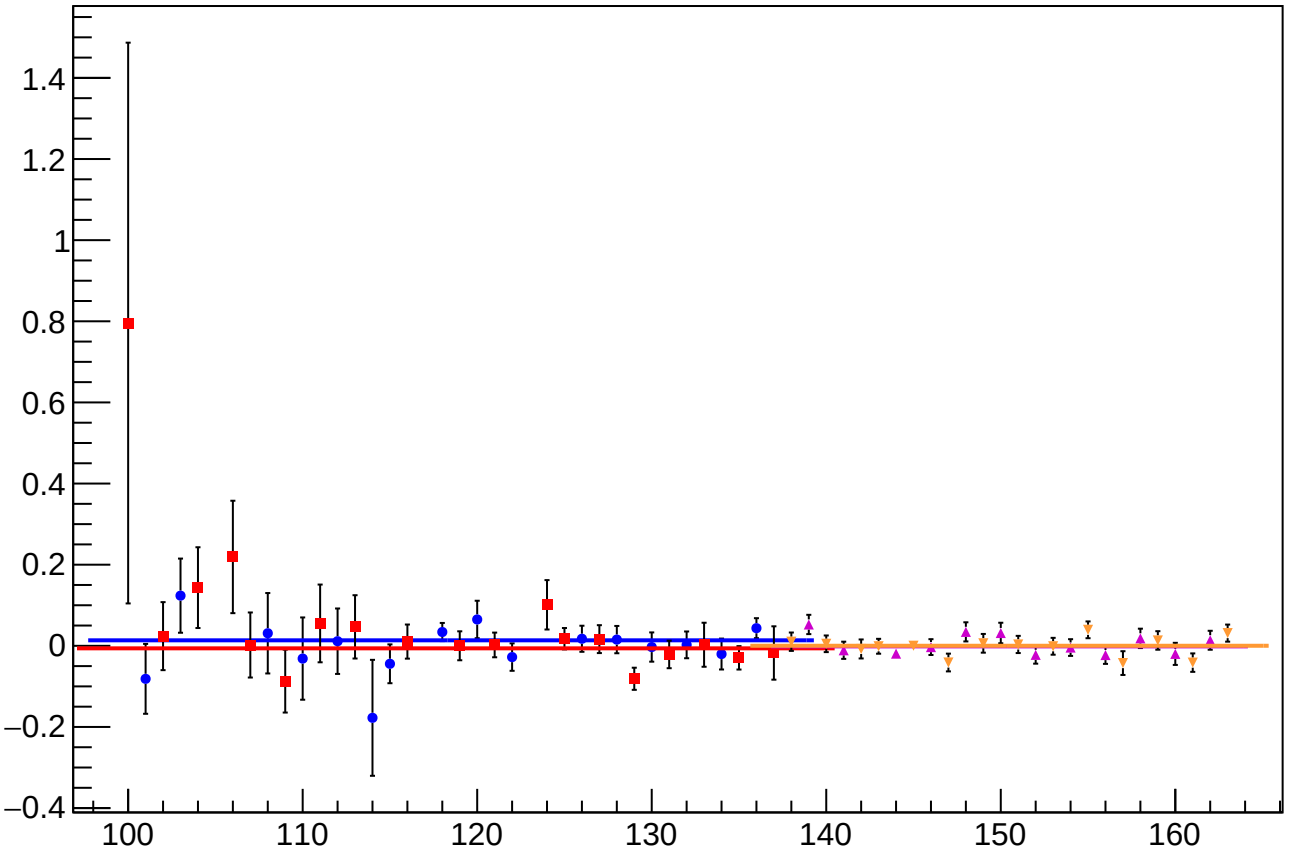
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.807+/-0.004 χ^2/NDF:1293758.8/11

+ sign 18.365+/-0.003 χ^2/NDF: 4390516.2/29

All: 18.816+/-0.002 χ^2/NDF: 9155076.9/60

- sign 19.347+/-0.004 χ^2/NDF: 4724333.3/30



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

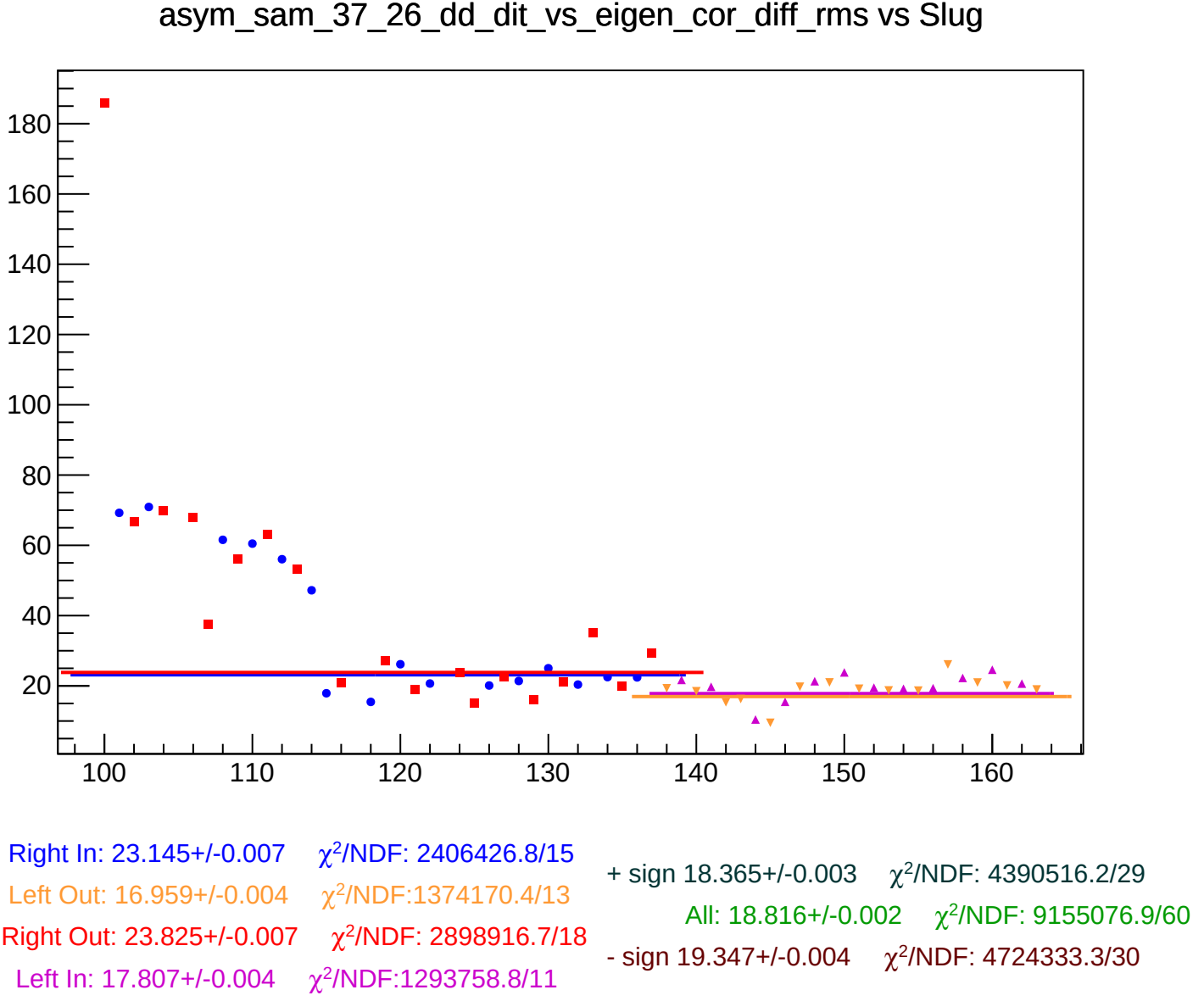
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

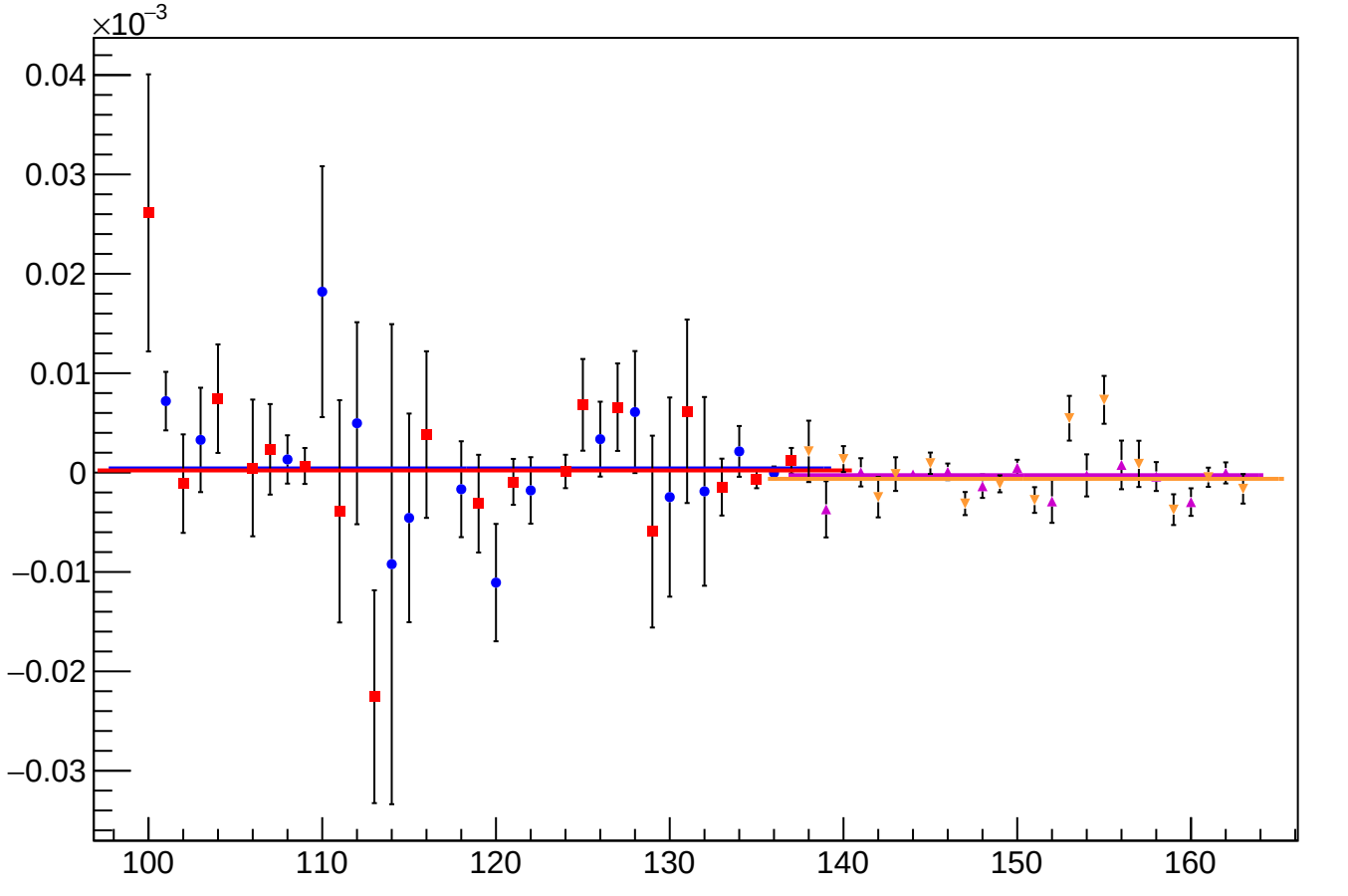
Left In: -0.001+/-0.006 χ^2/NDF:15.1/11

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.001+/-0.003 χ^2/NDF: 66.9/60

- sign -0.003+/-0.005 χ^2/NDF: 36.8/30


asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
Right In: 23.145+/-0.007 χ²/NDF: 2406426.8/15
Left Out: 16.959+/-0.004 χ²/NDF:1374170.4/13
Right Out: 23.825+/-0.007 χ²/NDF: 2898916.7/18
Left In: 17.807+/-0.004 χ²/NDF:1293758.8/11
+ sign 18.365+/-0.003 χ²/NDF: 4390516.2/29
All: 18.816+/-0.002 χ²/NDF: 9155076.9/60
- sign 19.347+/-0.004 χ²/NDF: 4724333.3/30



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/13

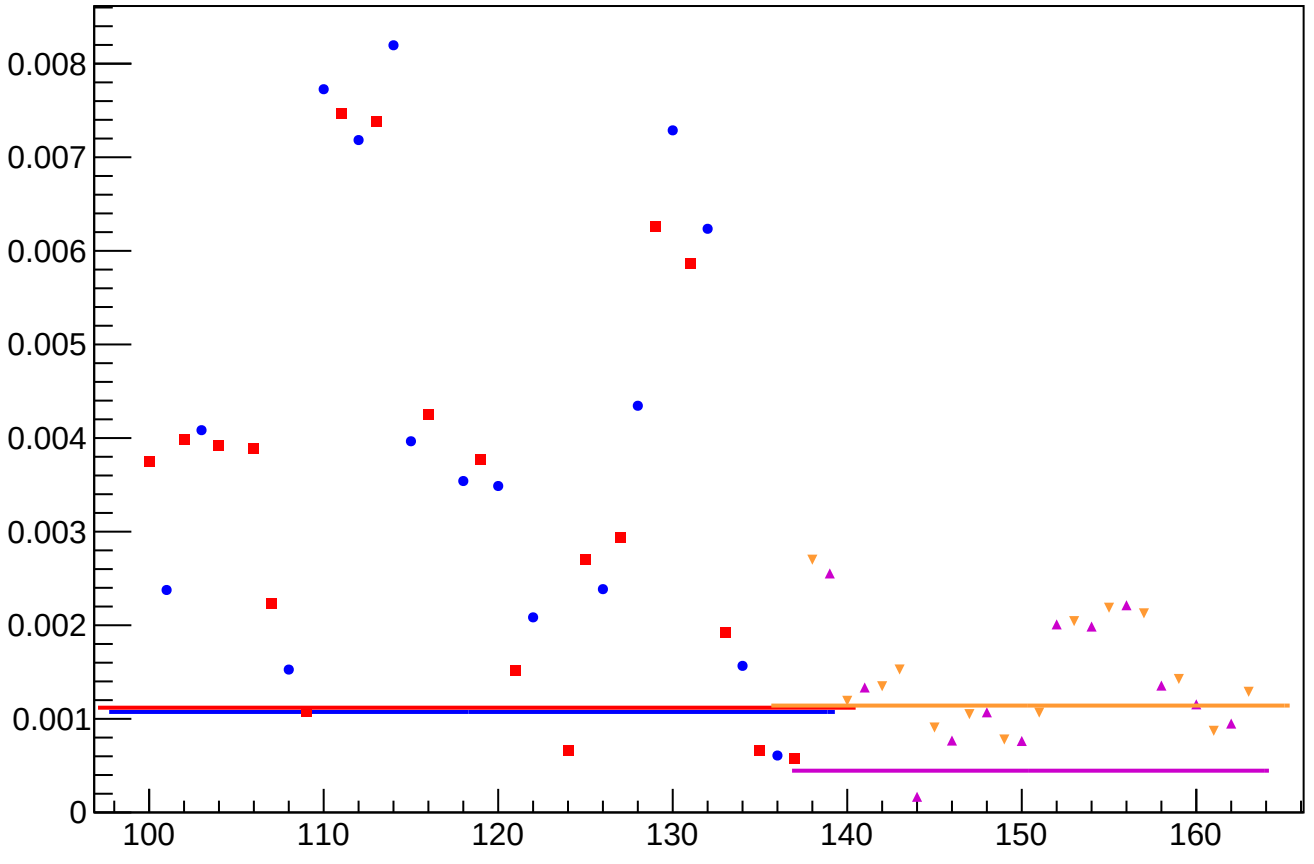
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/11

+ sign -0.000+/-0.000 χ^2/NDF: 54.7/29

All: -0.000+/-0.000 χ^2/NDF: 82.3/60

- sign -0.000+/-0.000 χ^2/NDF: 27.5/30



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2411470.3/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

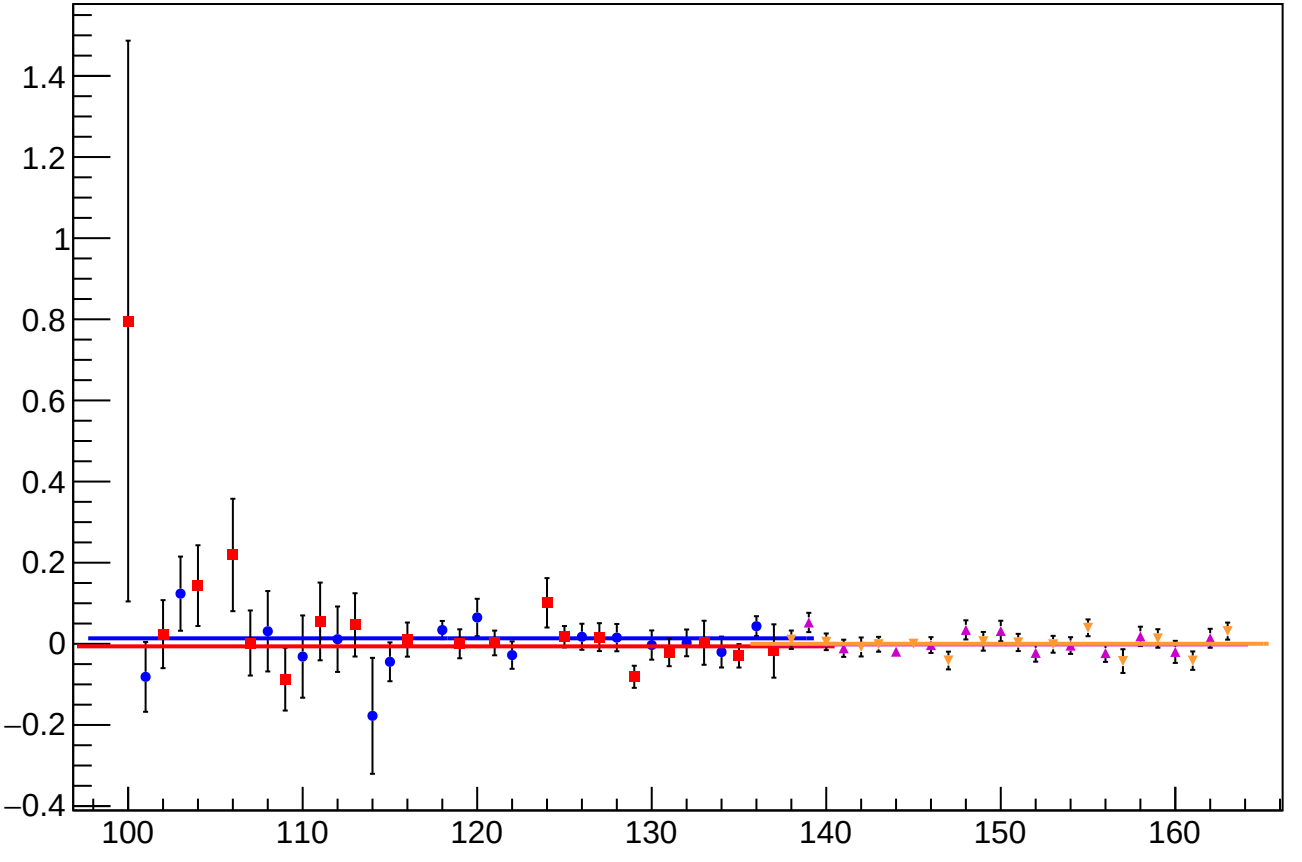
Left In: 0.000+/-0.000 χ^2/NDF:10373279.1/11

+ sign 0.001+/-0.000 χ^2/NDF: 9477363.9/29

All: 0.001+/-0.000 χ^2/NDF: 34351072.7/60

- sign 0.001+/-0.000 χ^2/NDF: 19633128.0/30

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

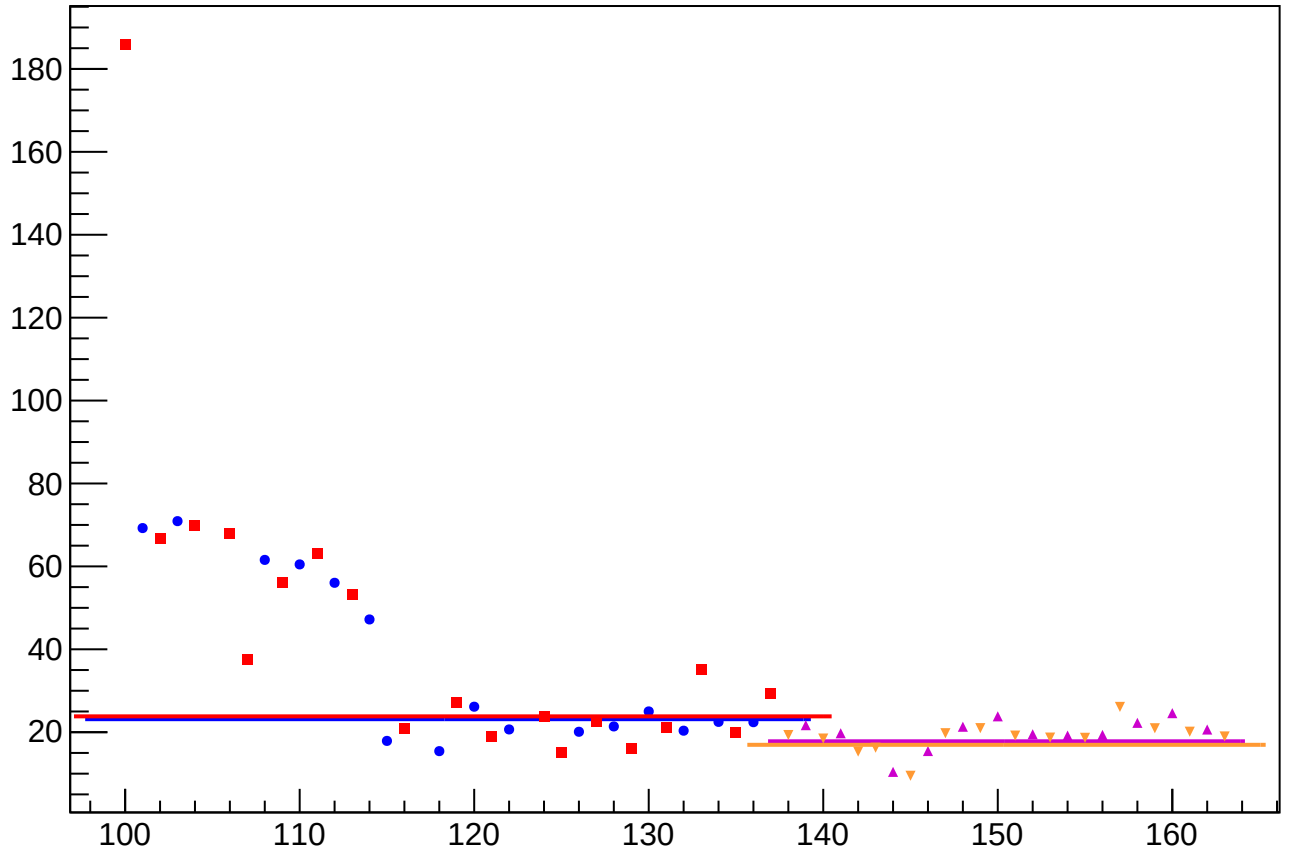
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.006 χ^2/NDF:15.1/11

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.001+/-0.003 χ^2/NDF: 66.9/60

- sign -0.003+/-0.005 χ^2/NDF: 36.8/30



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.960+/-0.004 χ^2/NDF:1374282.4/13

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

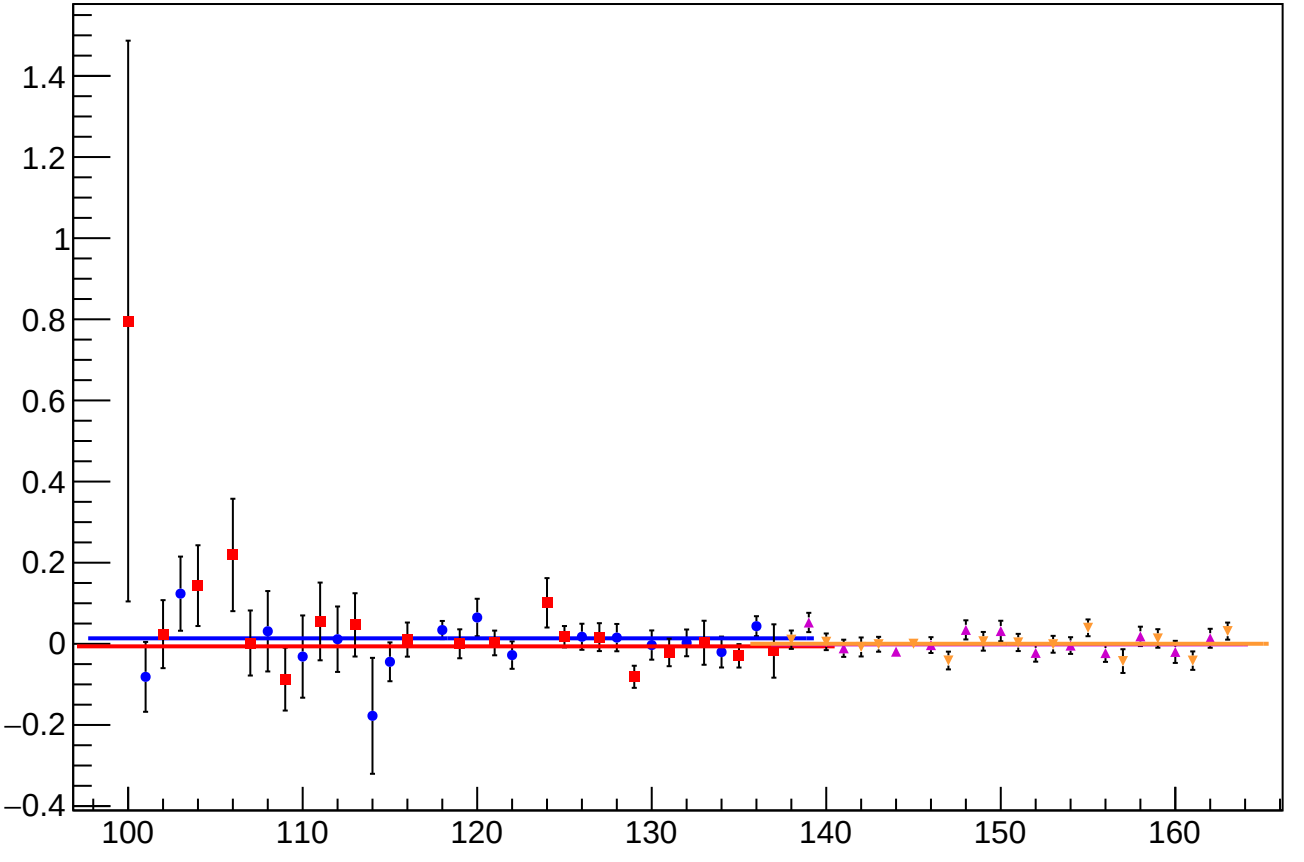
Left In: 17.807+/-0.004 χ^2/NDF:1293734.6/11

\+ sign 18.365+/-0.003 χ^2/NDF: 4390418.6/29

All: 18.816+/-0.002 χ^2/NDF: 9154792.5/60

\- sign 19.347+/-0.004 χ^2/NDF: 4724135.1/30

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

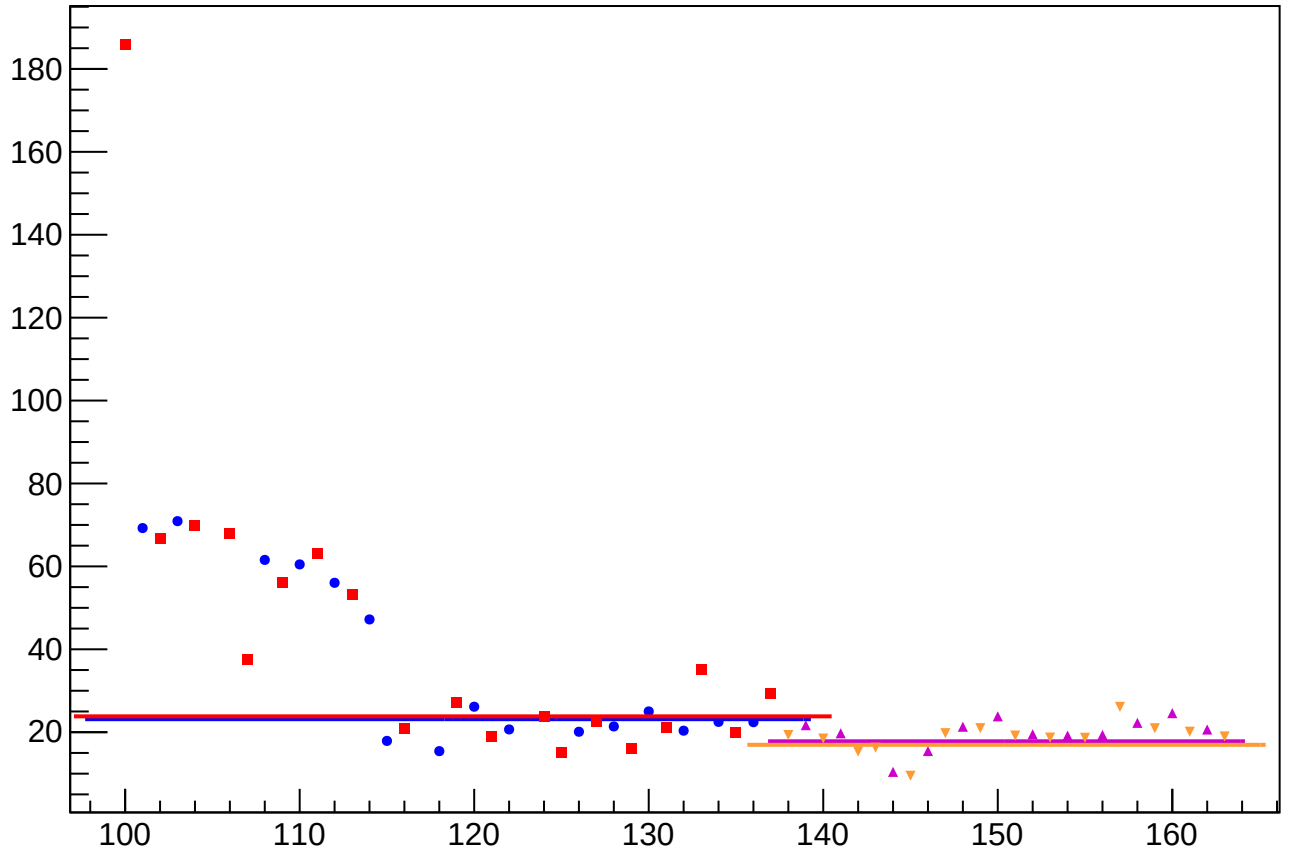
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.001+/-0.006 χ^2/NDF:15.1/11

+ sign 0.003+/-0.005 χ^2/NDF: 29.4/29

All: 0.001+/-0.003 χ^2/NDF: 66.9/60

- sign -0.003+/-0.005 χ^2/NDF: 36.8/30



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.960+/-0.004 χ^2/NDF:1374282.4/13

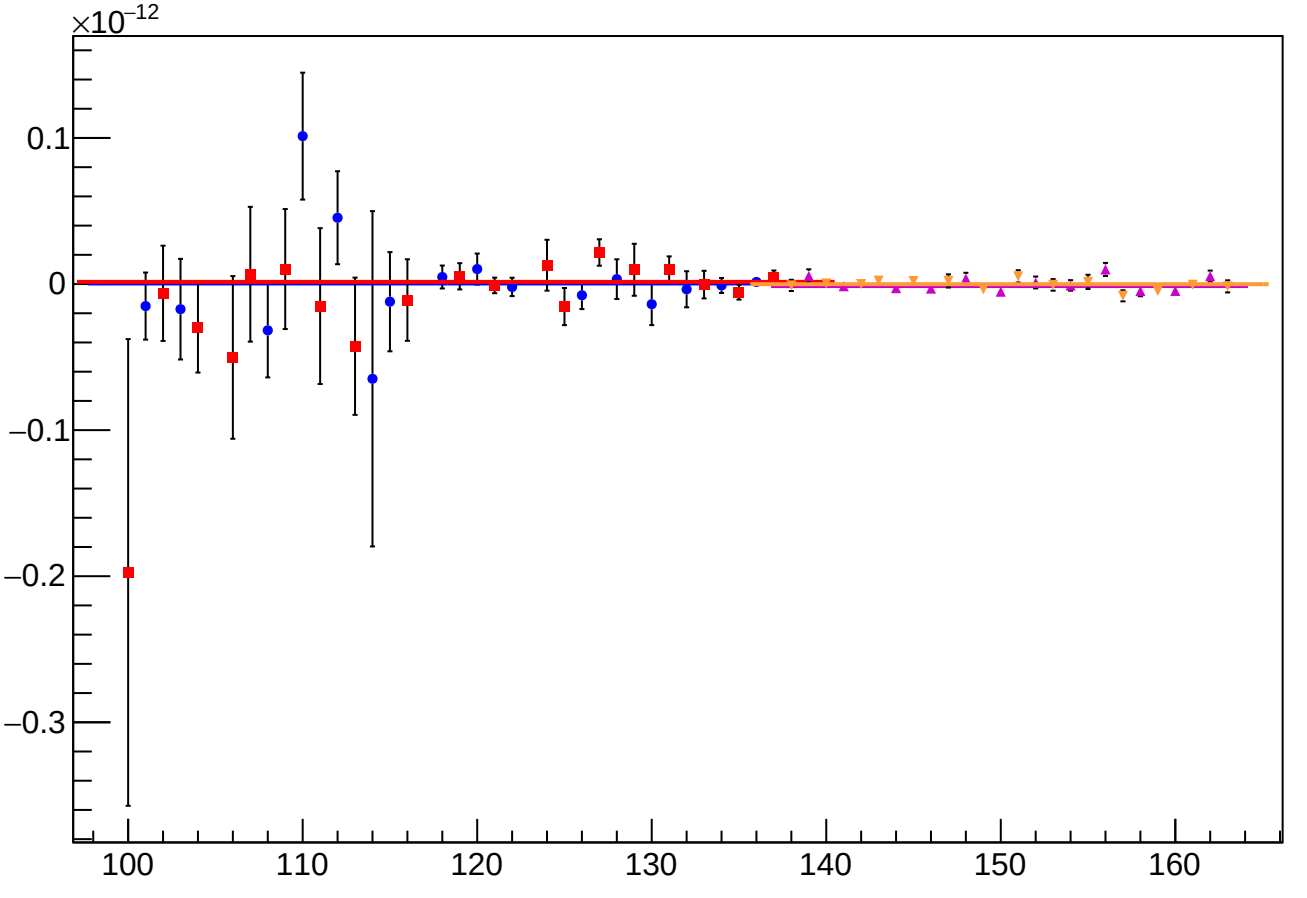
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.807+/-0.004 χ^2/NDF:1293734.6/11

+ sign 18.365+/-0.003 χ^2/NDF: 4390418.6/29

All: 18.816+/-0.002 χ^2/NDF: 9154792.5/60

- sign 19.347+/-0.004 χ^2/NDF: 4724135.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/13

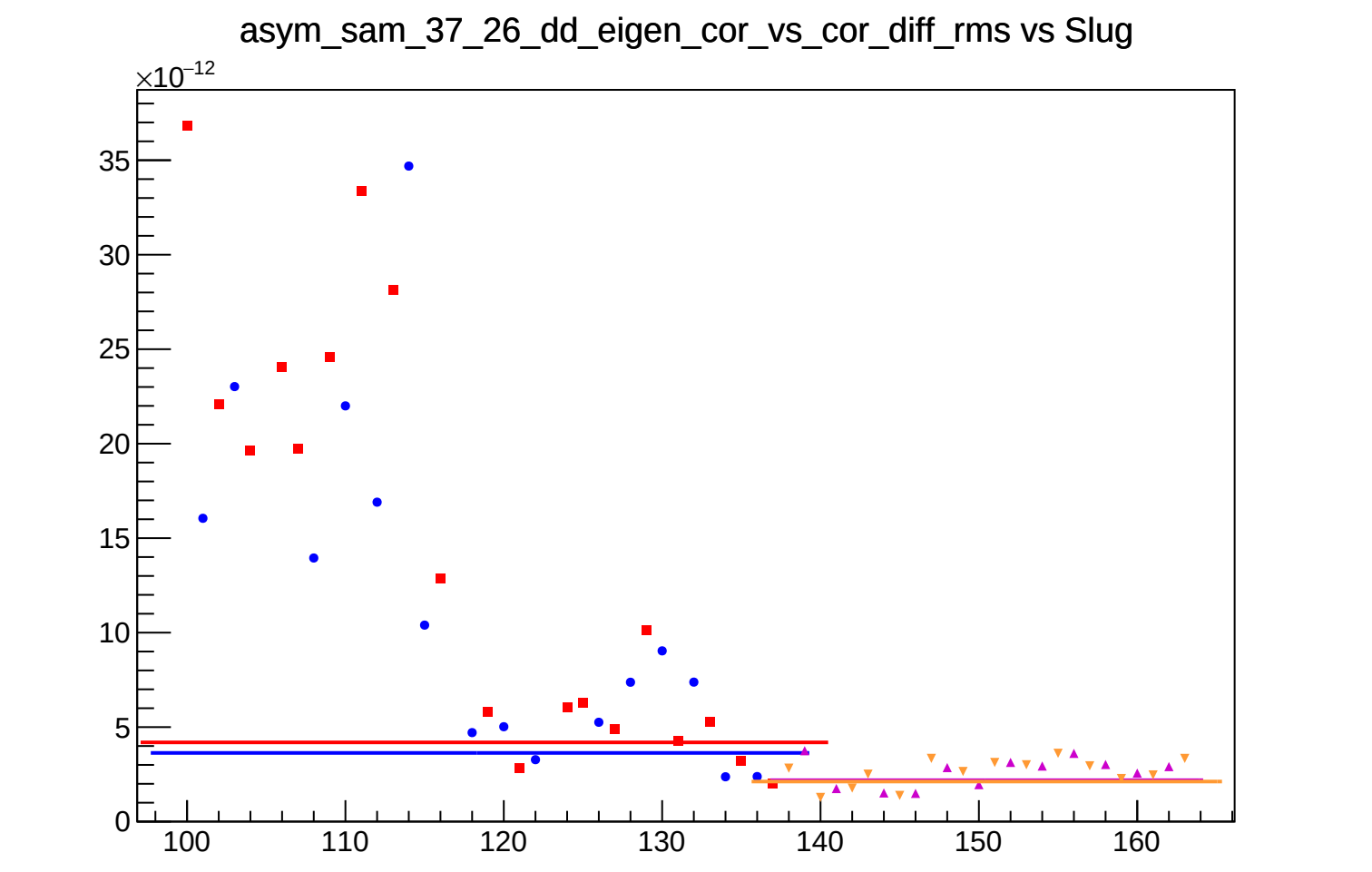
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/11

+ sign -0.000+/-0.000 χ^2/NDF: 25.1/29

All: -0.000+/-0.000 χ^2/NDF: 61.9/60

- sign -0.000+/-0.000 χ^2/NDF: 36.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835878.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

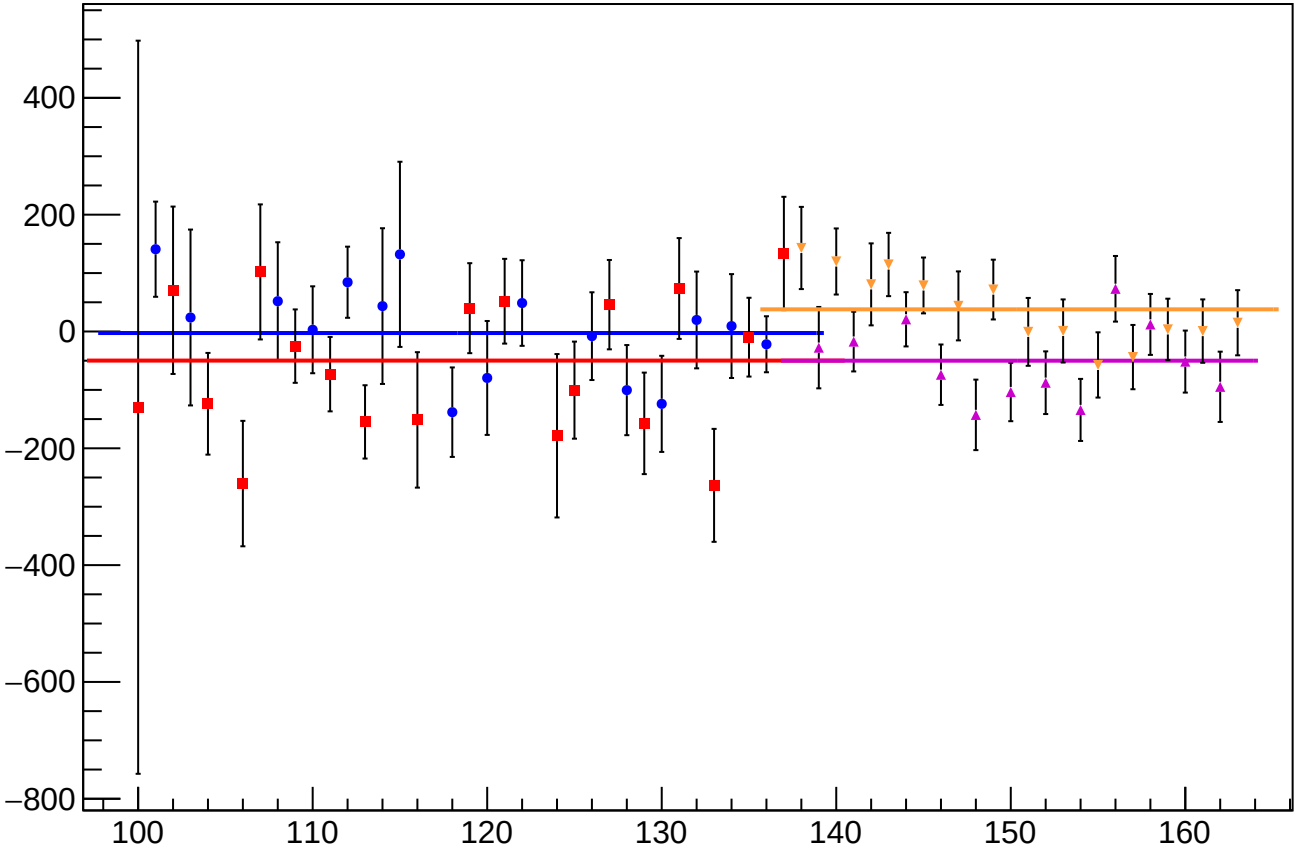
Left In: 0.000+/-0.000 χ^2/NDF:1437129.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 6366930.3/29

All: 0.000+/-0.000 χ^2/NDF: 13548329.3/60

- sign 0.000+/-0.000 χ^2/NDF: 7163750.3/30

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 37.940+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

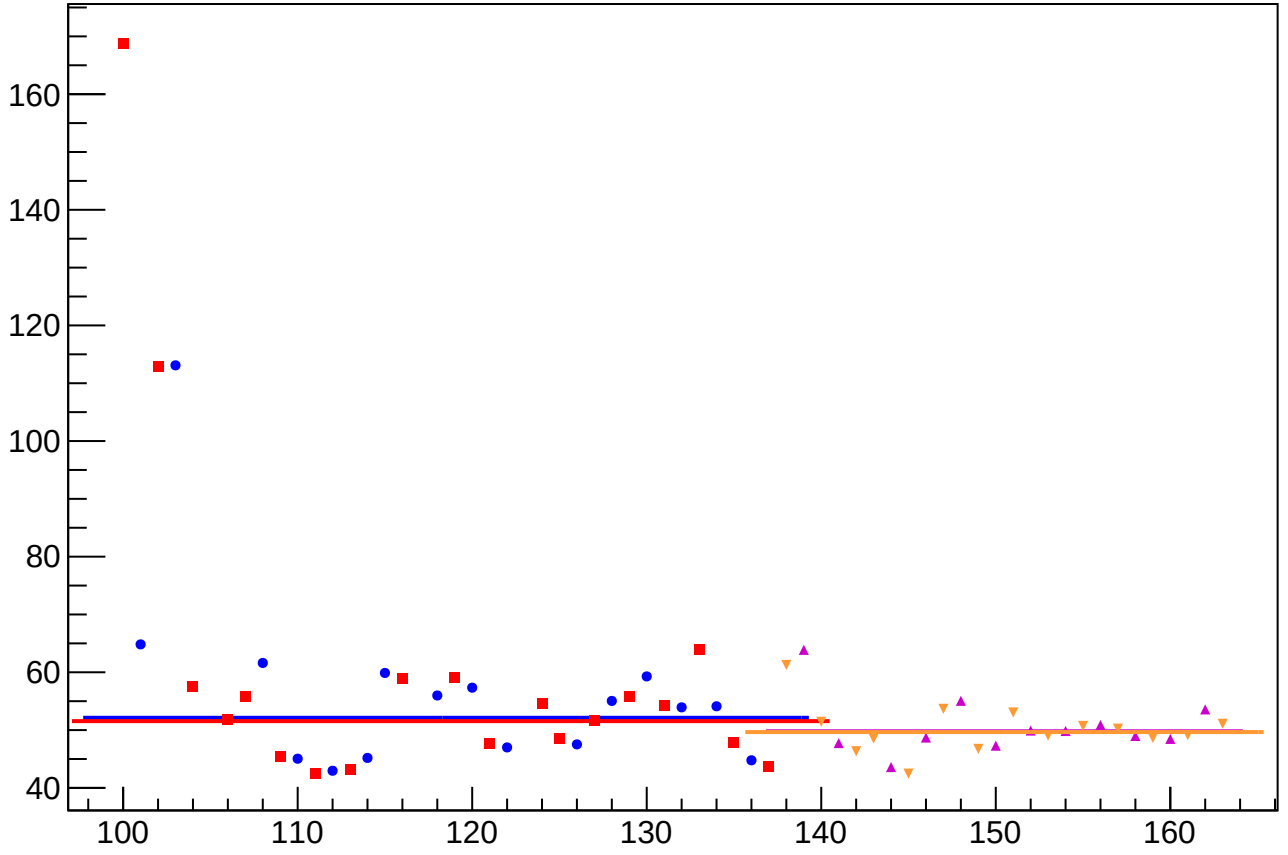
Left In: -49.988+/-15.584 χ^2/NDF:16.3/11

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -12.557+/-8.546 χ^2/NDF: 96.3/60

- sign -49.919+/-12.203 χ^2/NDF: 45.7/30

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

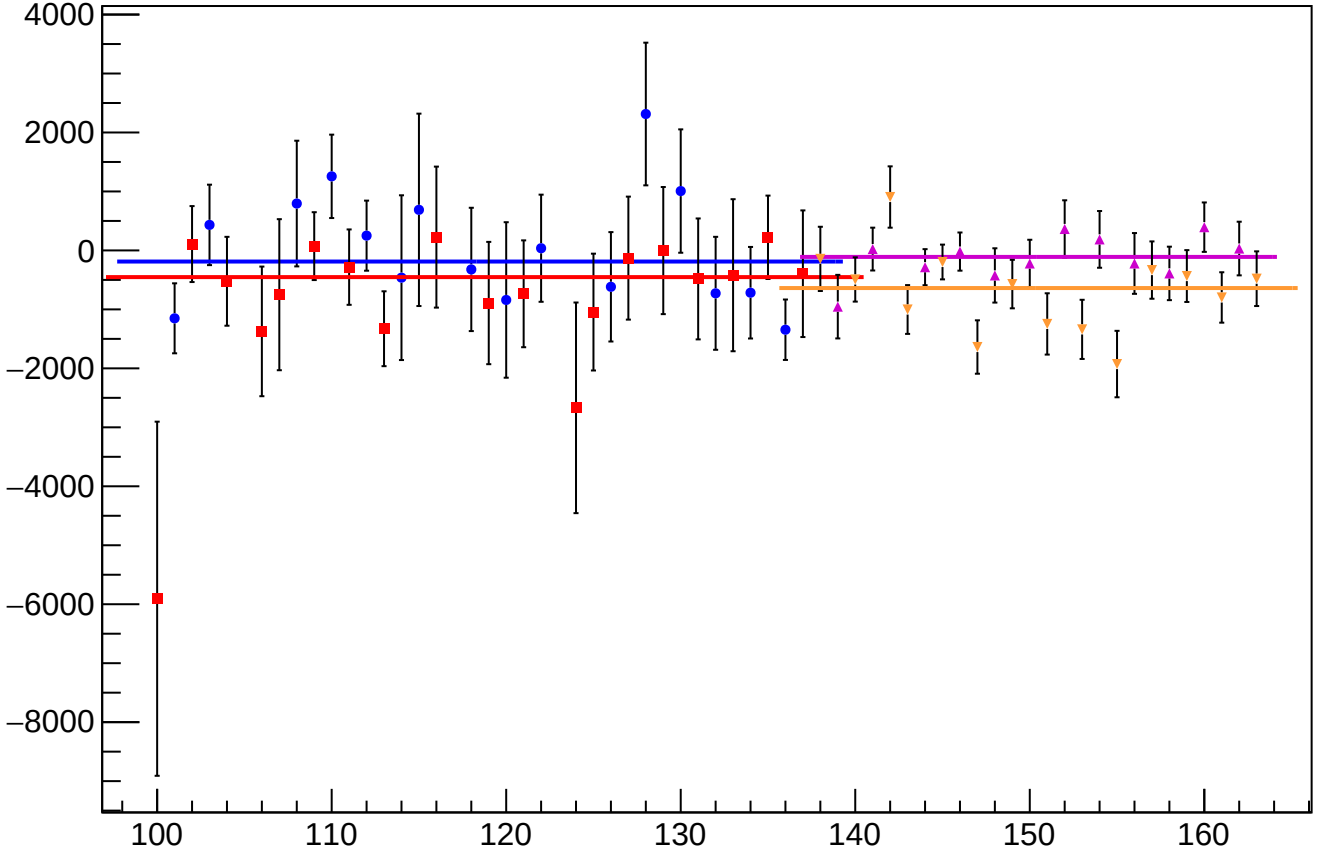
Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

+ sign 50.544+/-0.008 χ^2/NDF: 715400.8/29

All: 50.508+/-0.006 χ^2/NDF: 1516857.1/60

- sign 50.471+/-0.009 χ^2/NDF: 801420.2/30

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -638.181+/-117.315 χ^2/NDF:27.1/13

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

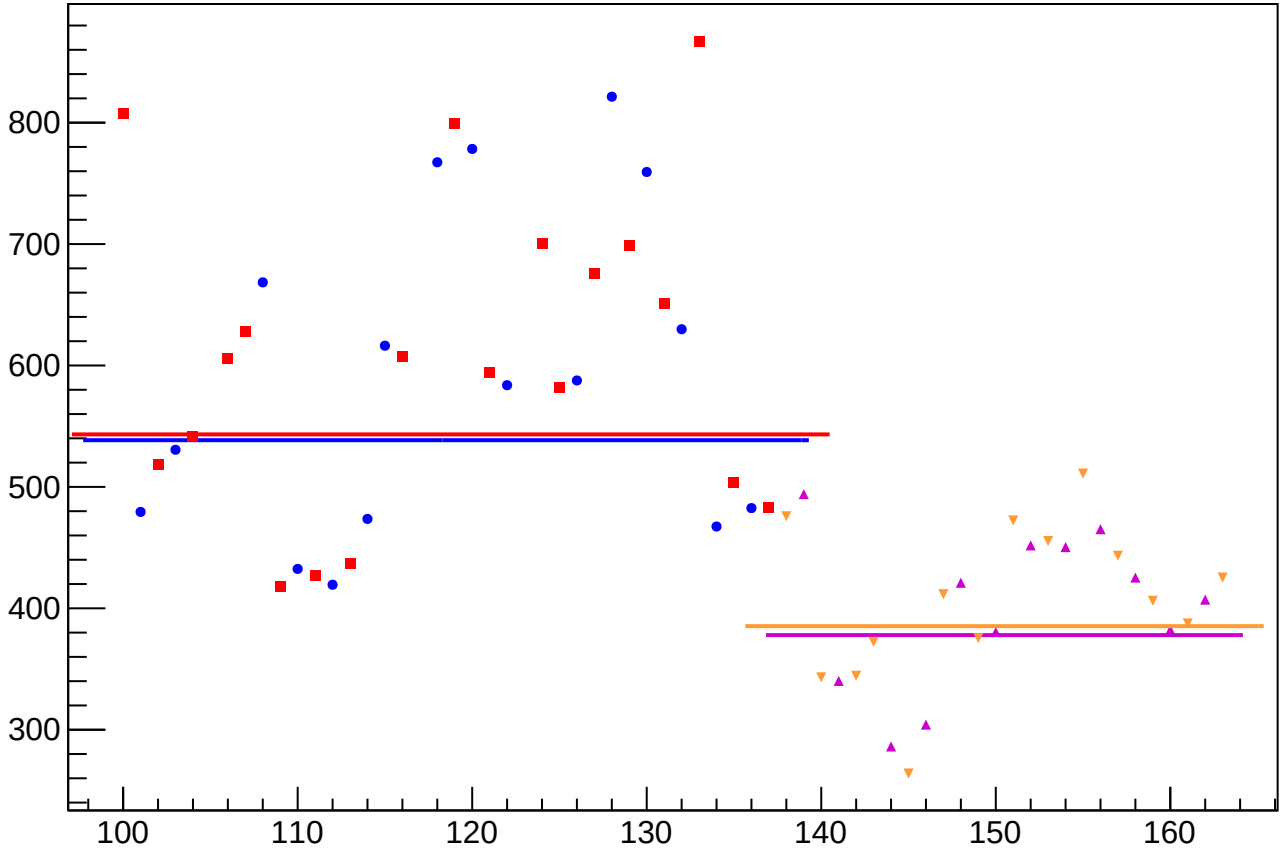
Left In: -110.022+/-119.631 χ^2/NDF:6.8/11

\+ sign -527.919+/-101.920 χ^2/NDF: 52.1/29

All: -364.857+/-72.511 χ^2/NDF: 77.5/60

\- sign -197.723+/-103.185 χ^2/NDF: 20.2/30

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 385.314+/-0.083 χ^2/NDF:684272.1/13

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

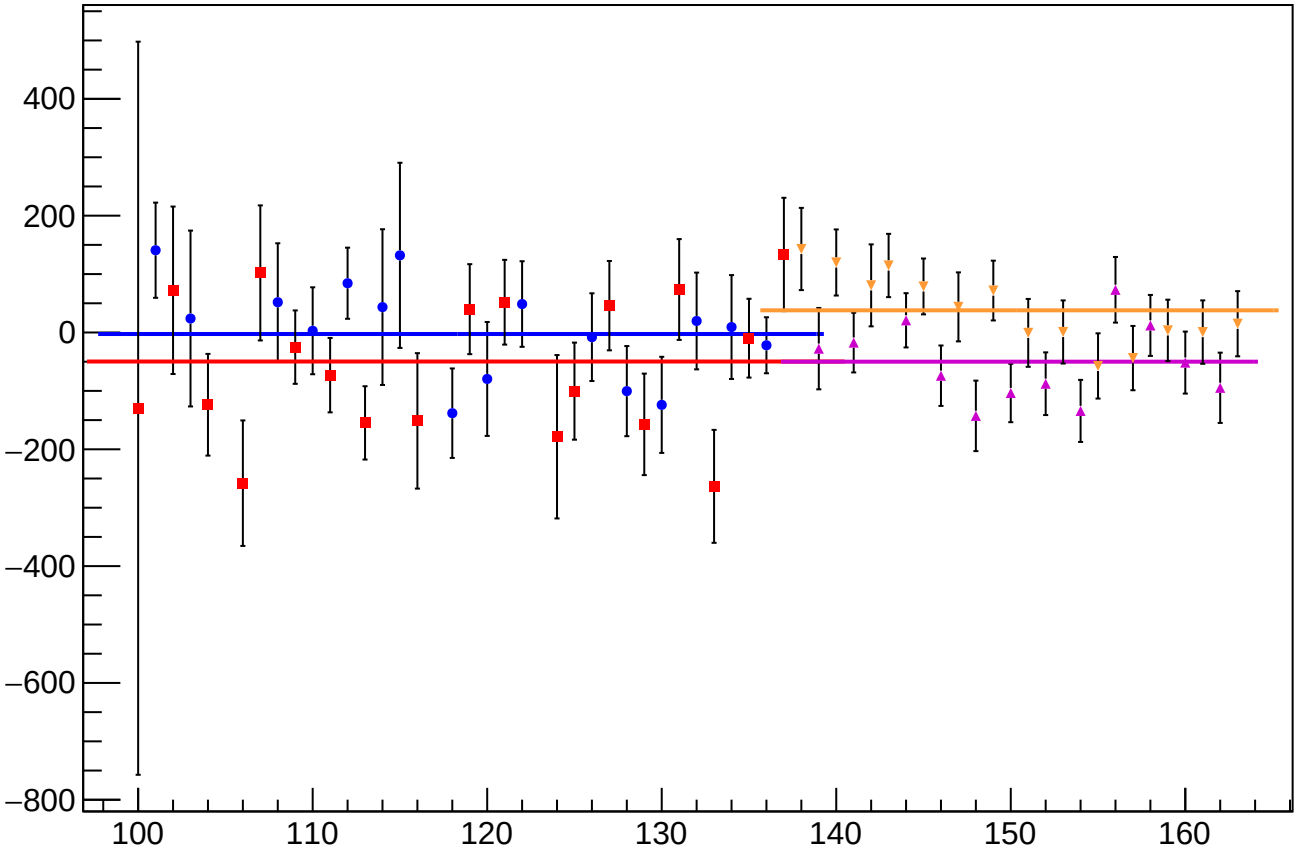
Left In: 377.943+/-0.085 χ^2/NDF:594860.3/11

+ sign 422.873+/-0.072 χ^2/NDF: 2134176.2/29

All: 421.586+/-0.051 χ^2/NDF: 4344493.2/60

- sign 420.267+/-0.073 χ^2/NDF: 2209671.6/30

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

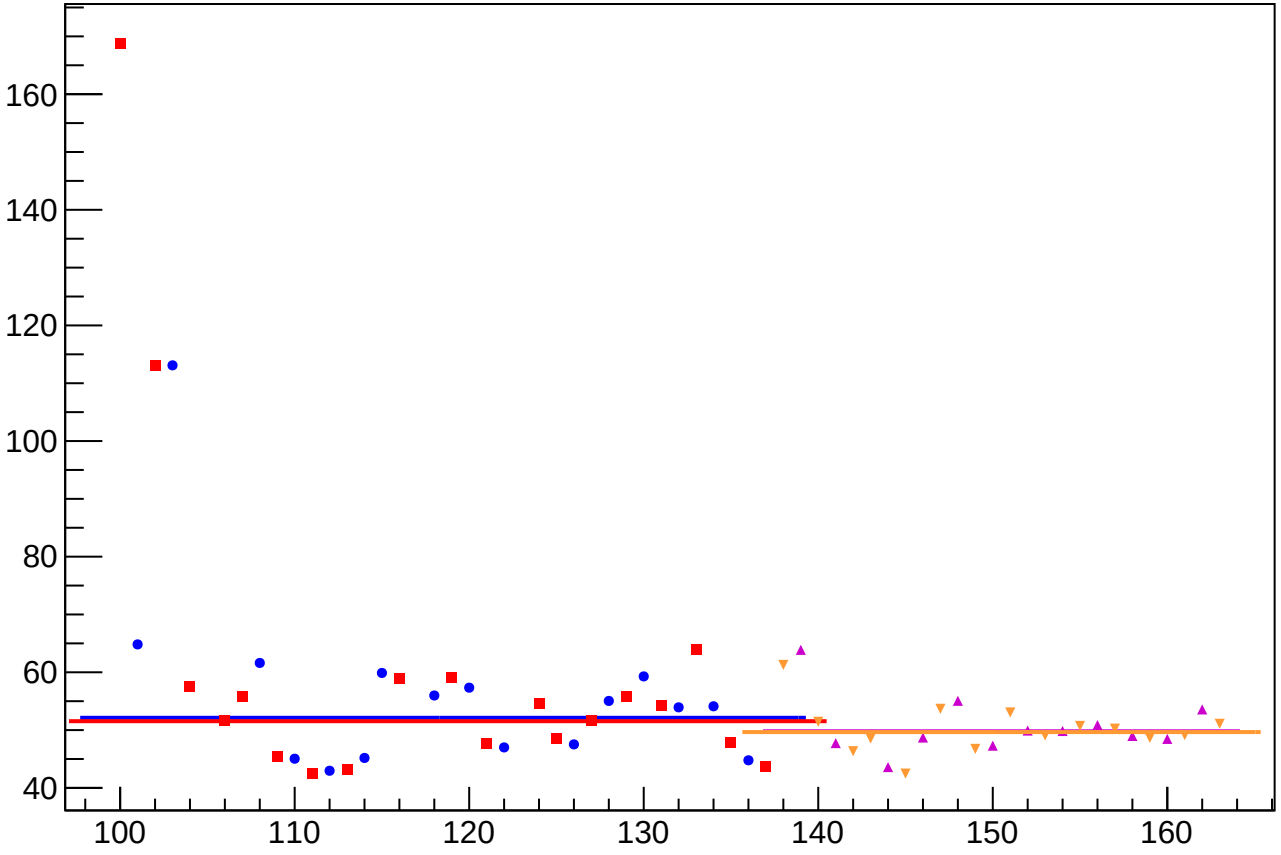
Left In: -49.988+/-15.584 χ^2/NDF:16.3/11

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -12.535+/-8.546 χ^2/NDF: 96.2/60

- sign -49.874+/-12.203 χ^2/NDF: 45.6/30

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

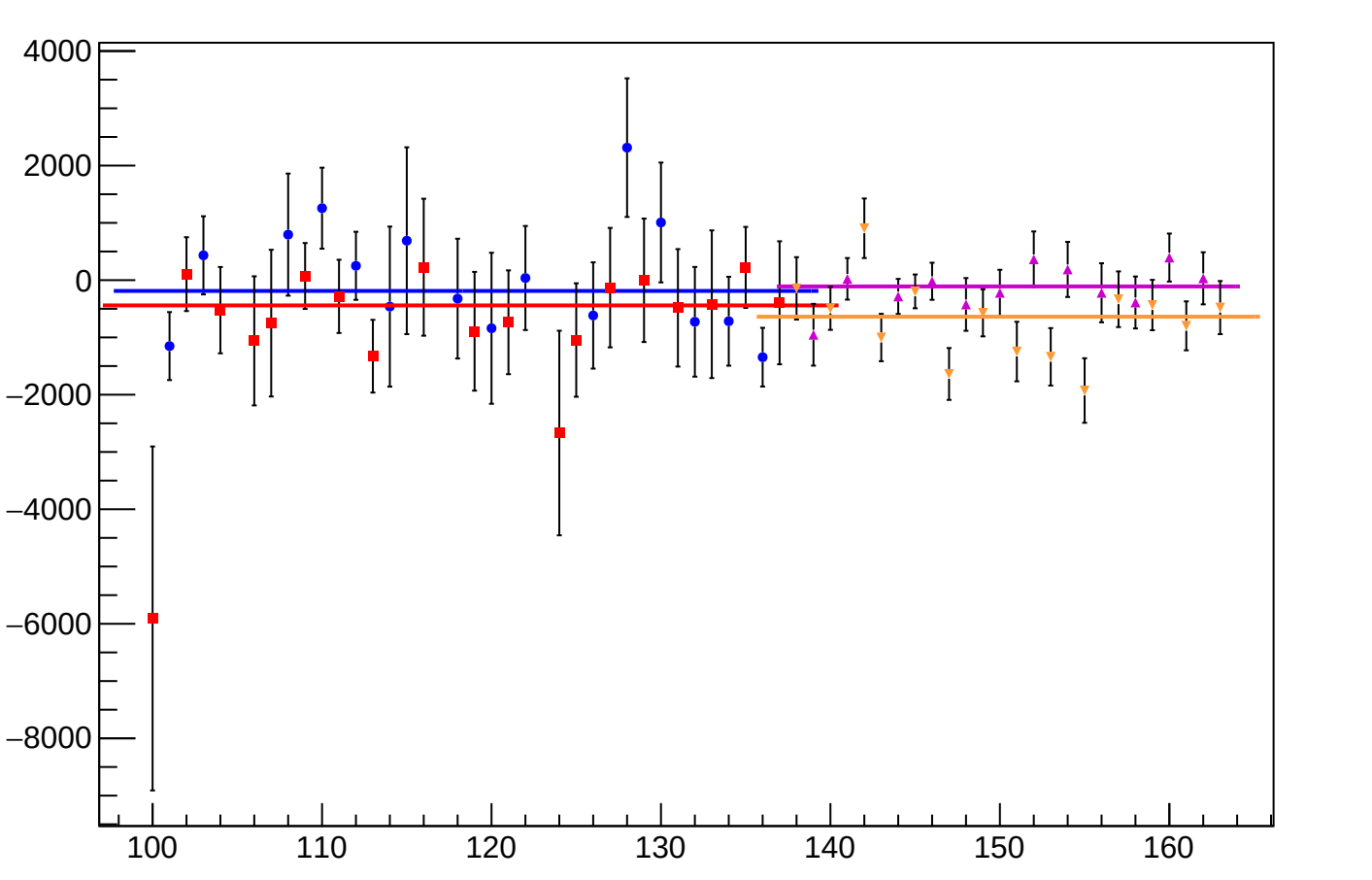
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

+ sign 50.544+/-0.008 χ^2/NDF: 715403.1/29

All: 50.506+/-0.006 χ^2/NDF: 1516967.8/60

- sign 50.467+/-0.009 χ^2/NDF: 801524.6/30



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

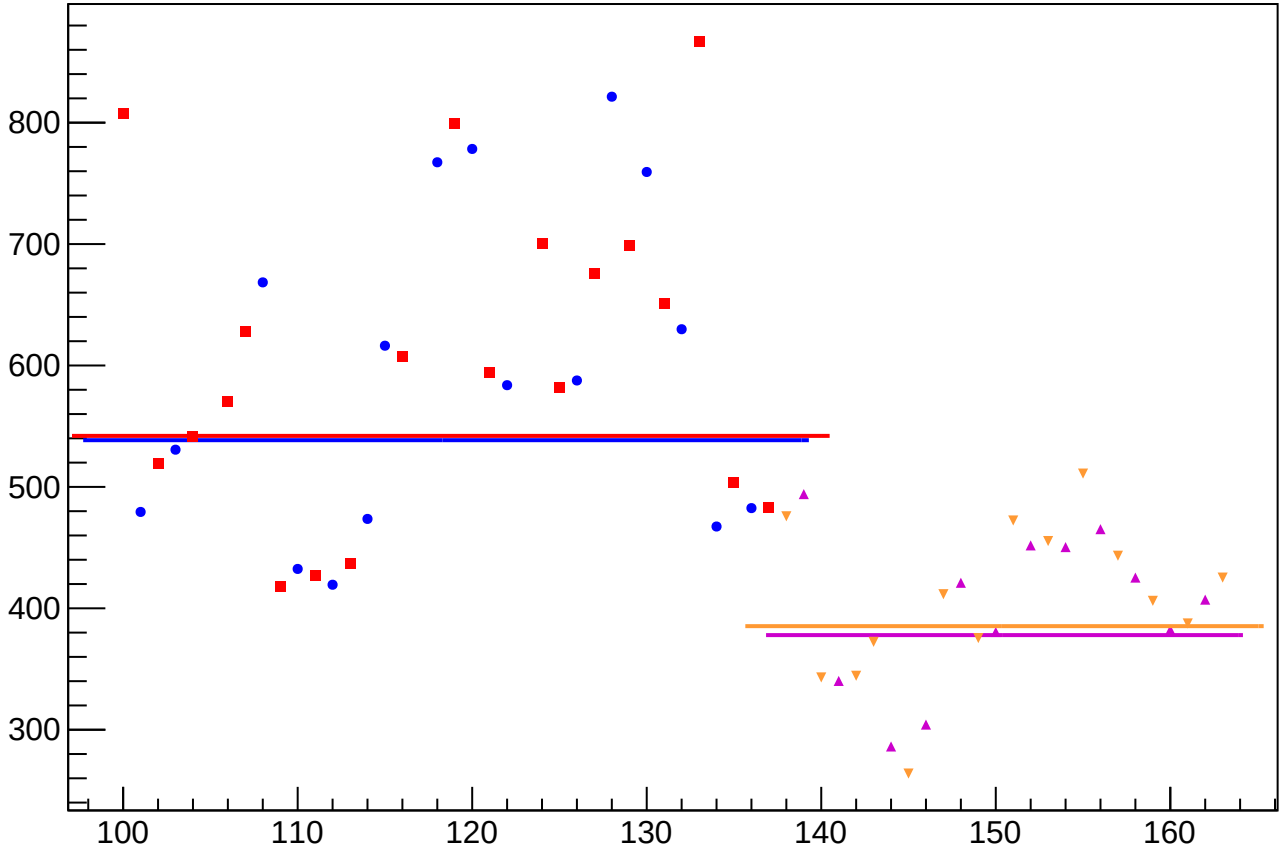
Left In: -110.023+/-119.631 χ^2/NDF:6.8/11

+ sign -527.913+/-101.920 χ^2/NDF: 52.1/29

All: -363.398+/-72.520 χ^2/NDF: 77.0/60

- sign -194.694+/-103.210 χ^2/NDF: 19.7/30

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

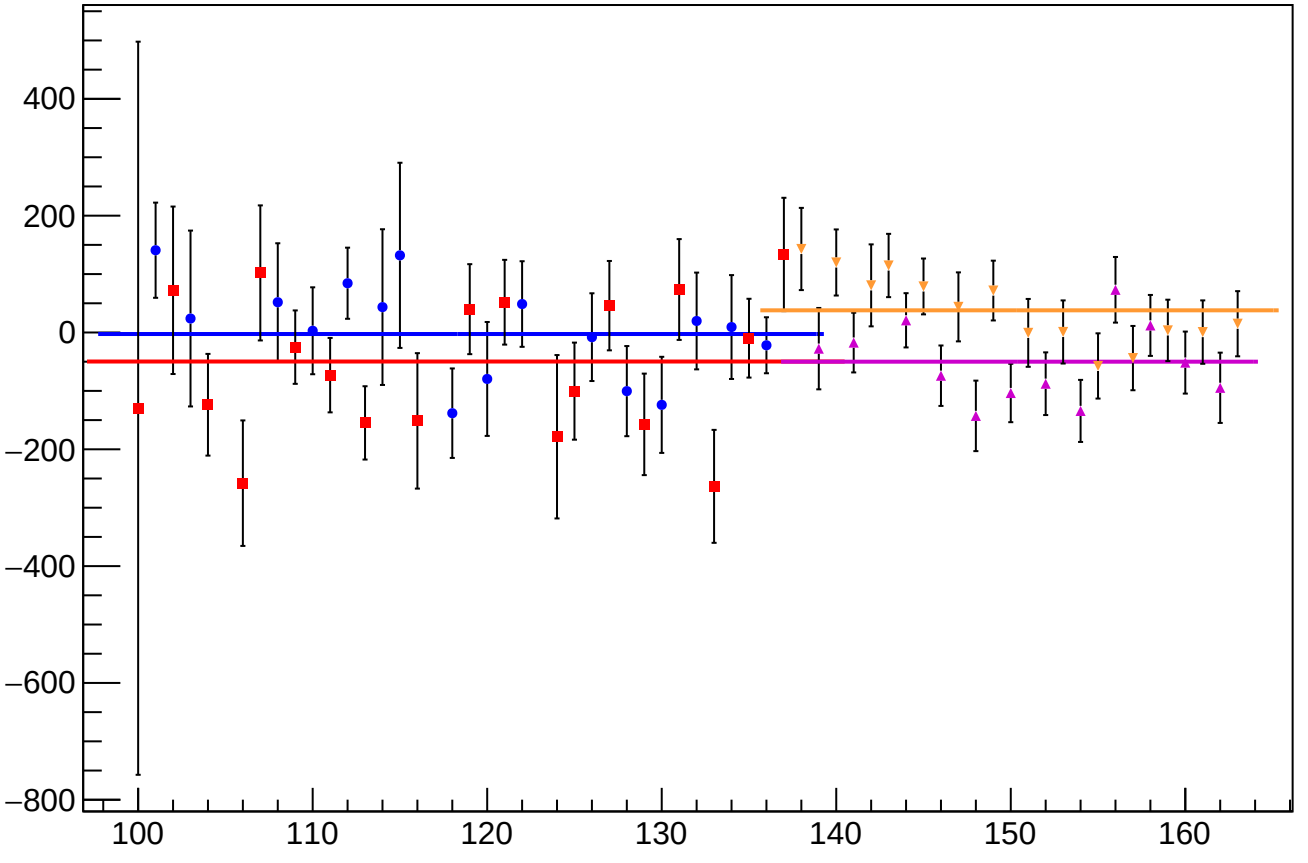
Left In: 377.943+/-0.085 χ^2/NDF:594858.7/11

\+ sign 422.873+/-0.072 χ^2/NDF: 2134222.7/29

All: 421.404+/-0.051 χ^2/NDF: 4323488.1/60

\- sign 419.897+/-0.073 χ^2/NDF: 2188423.2/30

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

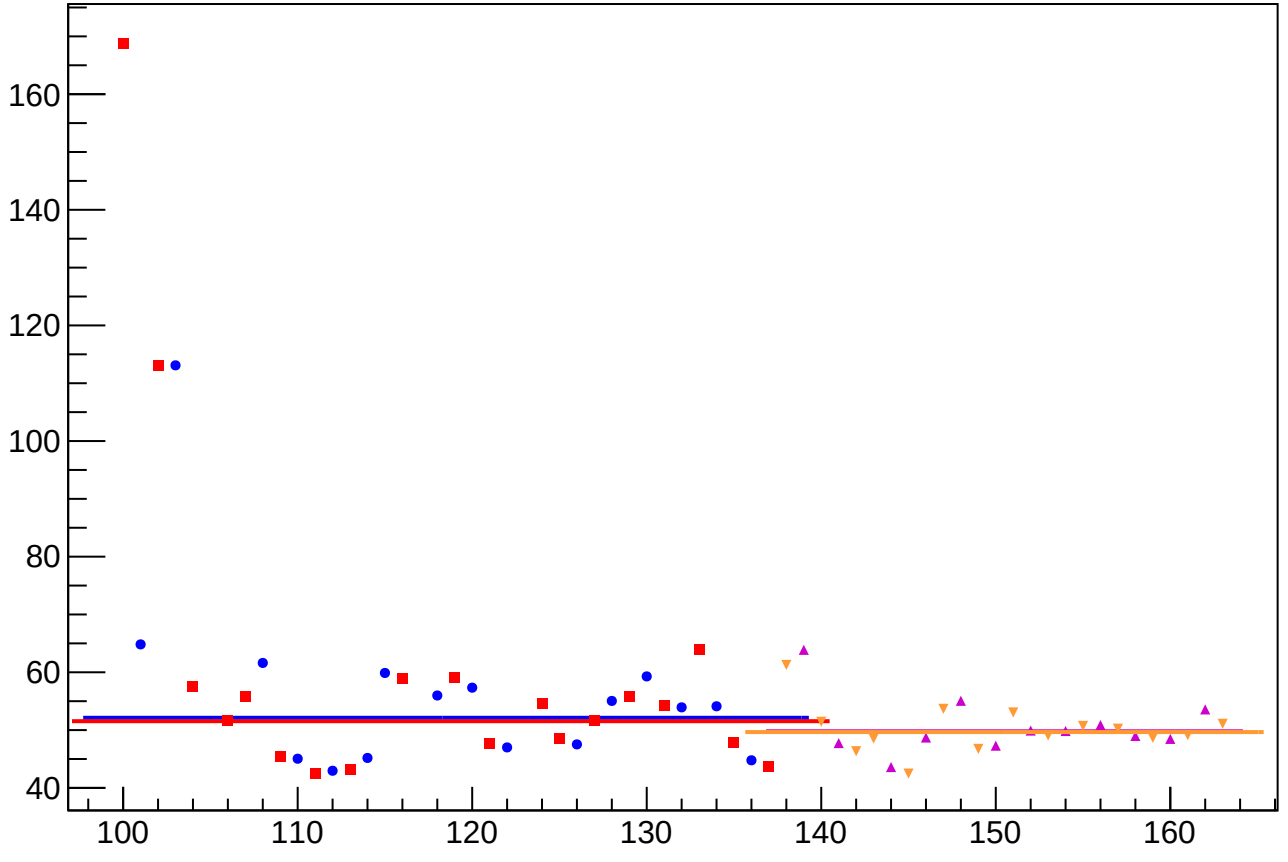
Left In: -49.988+/-15.584 χ^2/NDF:16.3/11

+ sign 23.401+/-11.972 χ^2/NDF: 32.2/29

All: -12.535+/-8.546 χ^2/NDF: 96.2/60

- sign -49.874+/-12.203 χ^2/NDF: 45.6/30

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

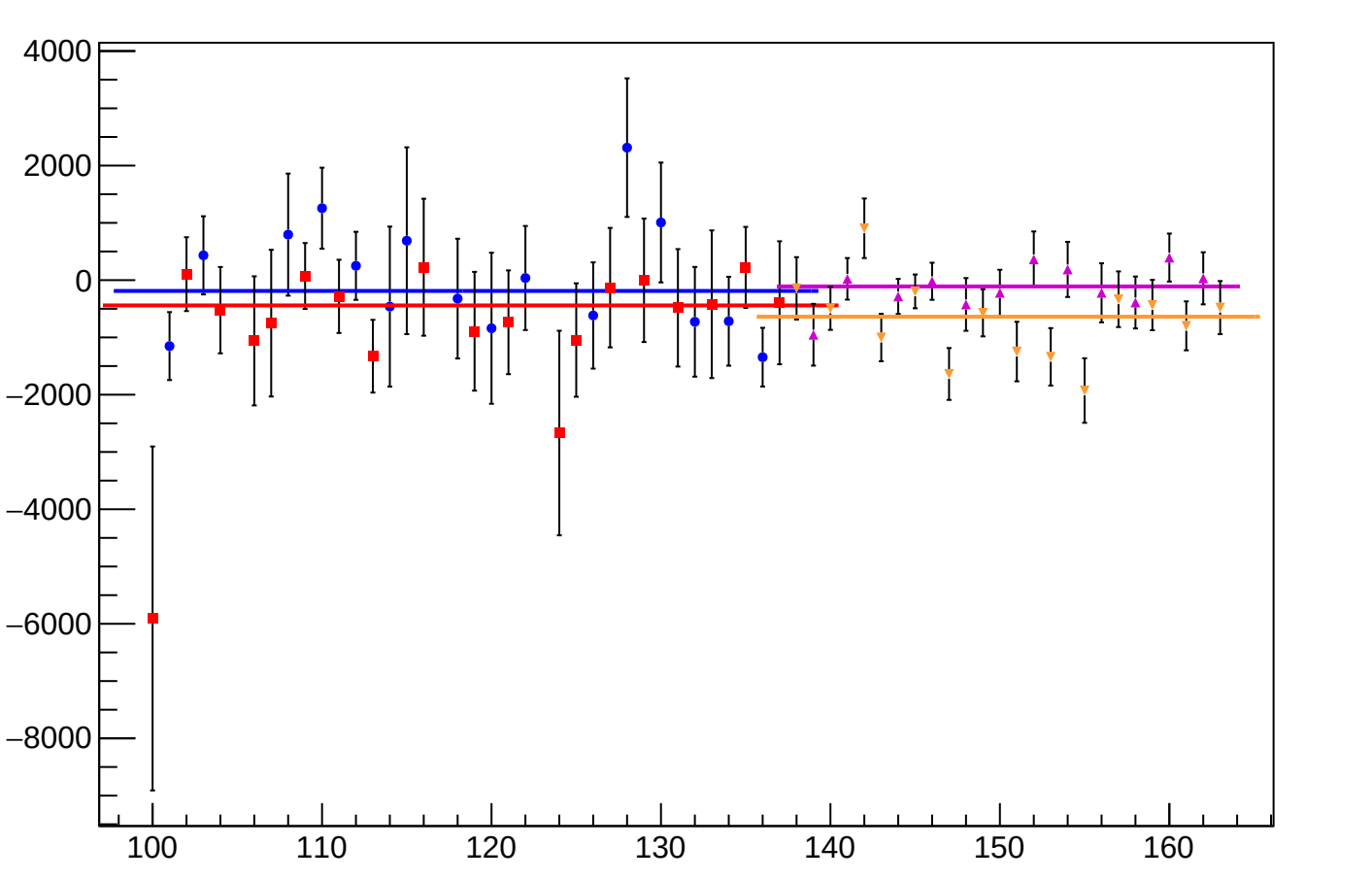
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

+ sign 50.544+/-0.008 χ^2/NDF: 715403.1/29

All: 50.506+/-0.006 χ^2/NDF: 1516967.8/60

- sign 50.467+/-0.009 χ^2/NDF: 801524.6/30



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -638.178+/-117.315 χ^2/NDF:27.1/13

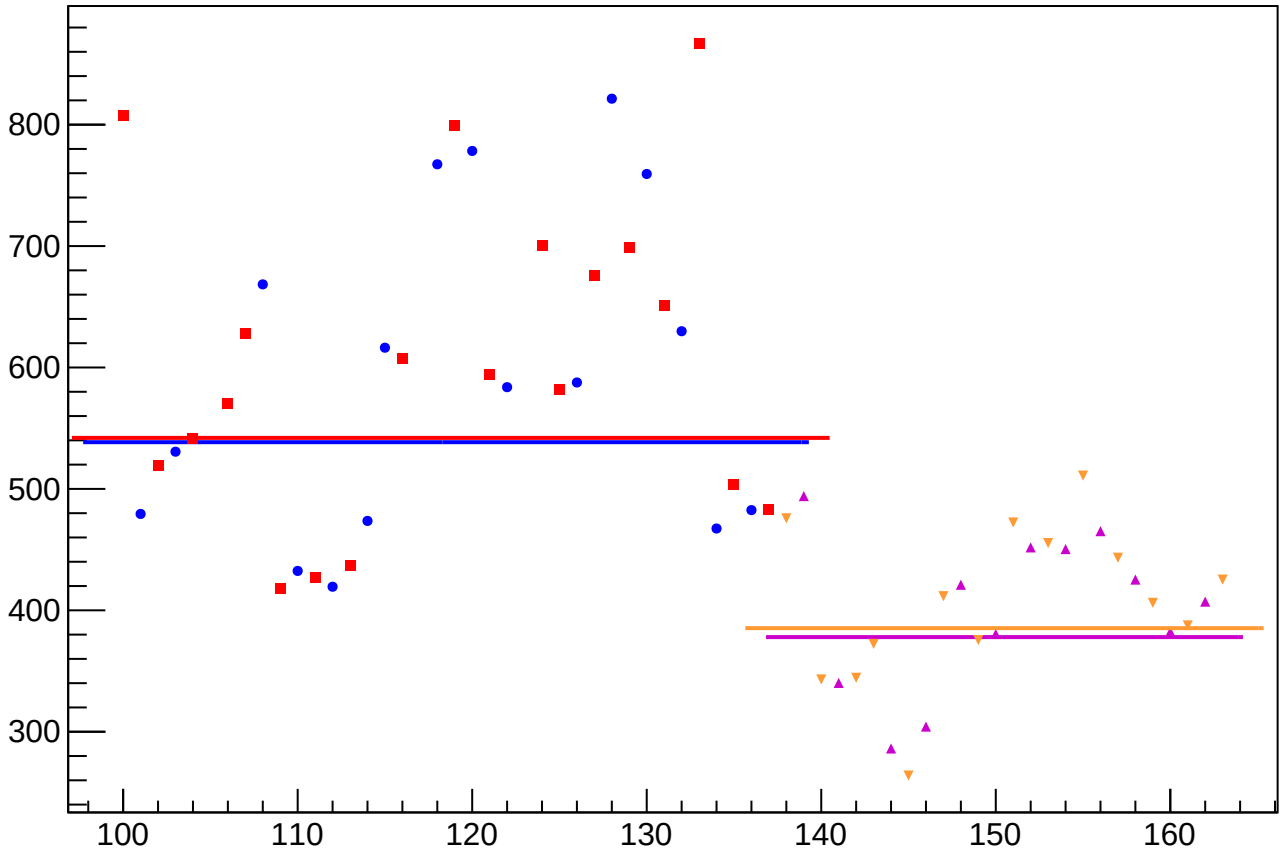
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: -110.023+/-119.631 χ^2/NDF:6.8/11

+ sign -527.913+/-101.920 χ^2/NDF: 52.1/29

All: -363.398+/-72.520 χ^2/NDF: 77.0/60

- sign -194.694+/-103.210 χ^2/NDF: 19.7/30



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

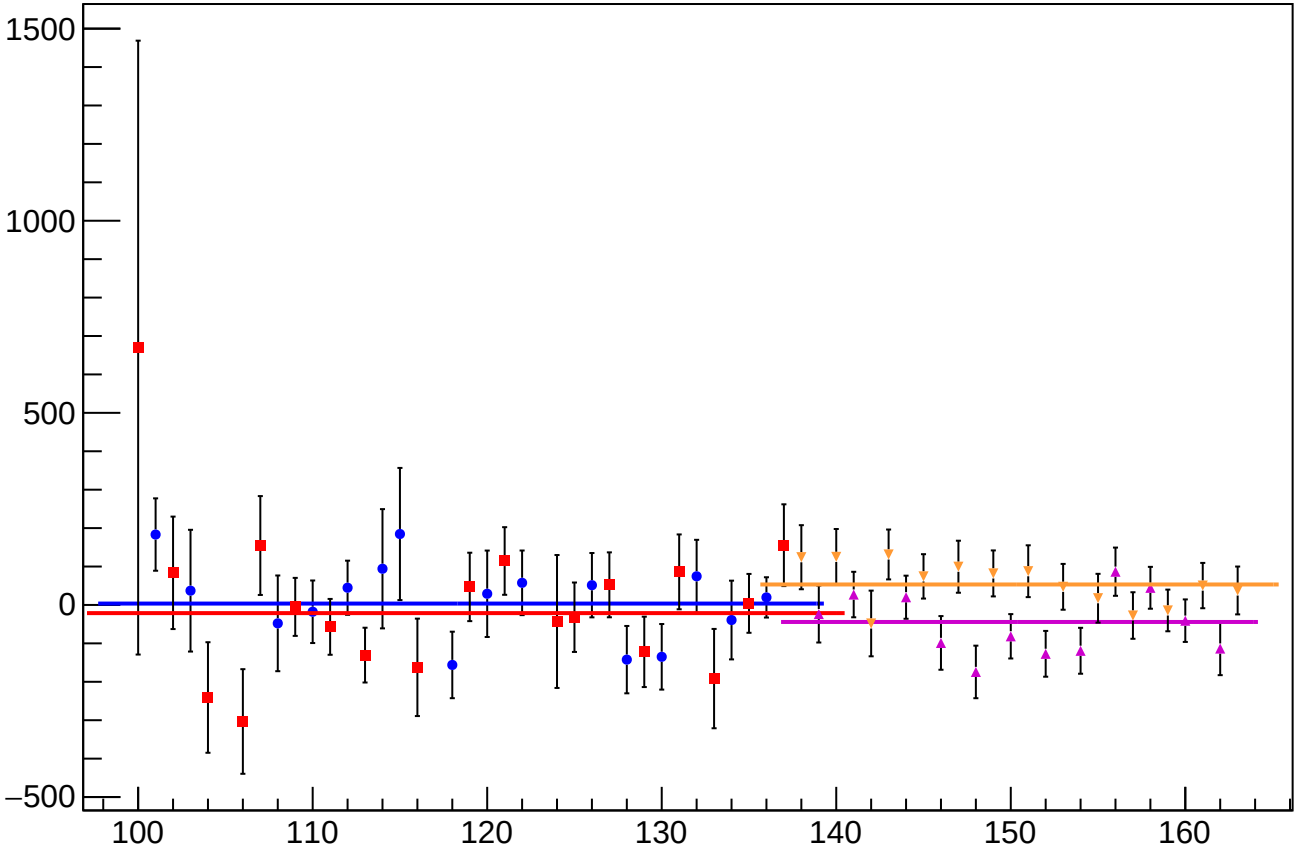
Left In: 377.943+/-0.085 χ^2/NDF:594858.7/11

\+ sign 422.873+/-0.072 χ^2/NDF: 2134222.7/29

All: 421.404+/-0.051 χ^2/NDF: 4323488.1/60

\- sign 419.897+/-0.073 χ^2/NDF: 2188423.2/30

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.296+/-17.120 χ^2/NDF:9.4/13

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

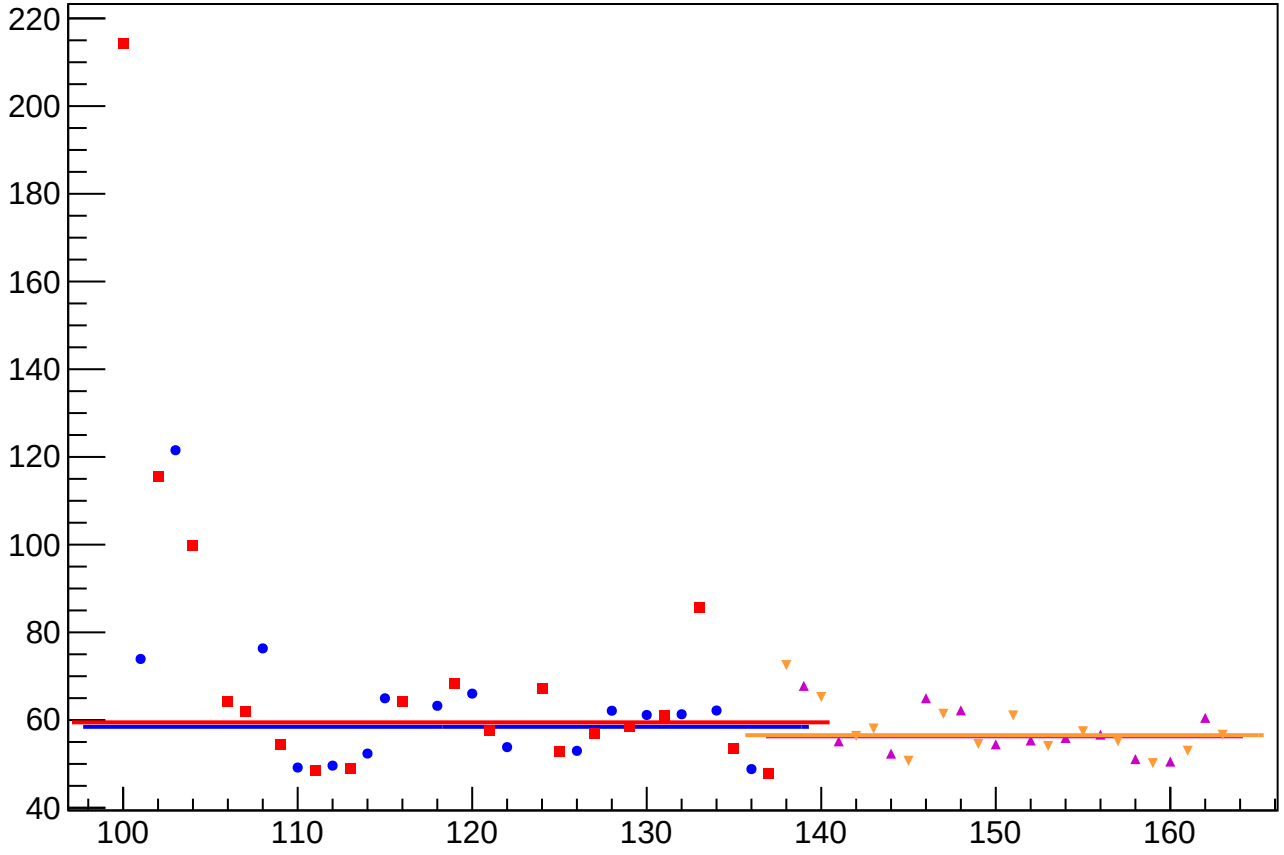
Left In: -44.312+/-17.702 χ^2/NDF:19.0/11

+ sign 35.052+/-13.620 χ^2/NDF: 28.6/29

All: 0.624+/-9.754 χ^2/NDF: 85.8/60

- sign -35.624+/-13.975 χ^2/NDF: 44.1/30

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.555+/-0.012 χ^2/NDF:184929.4/13

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

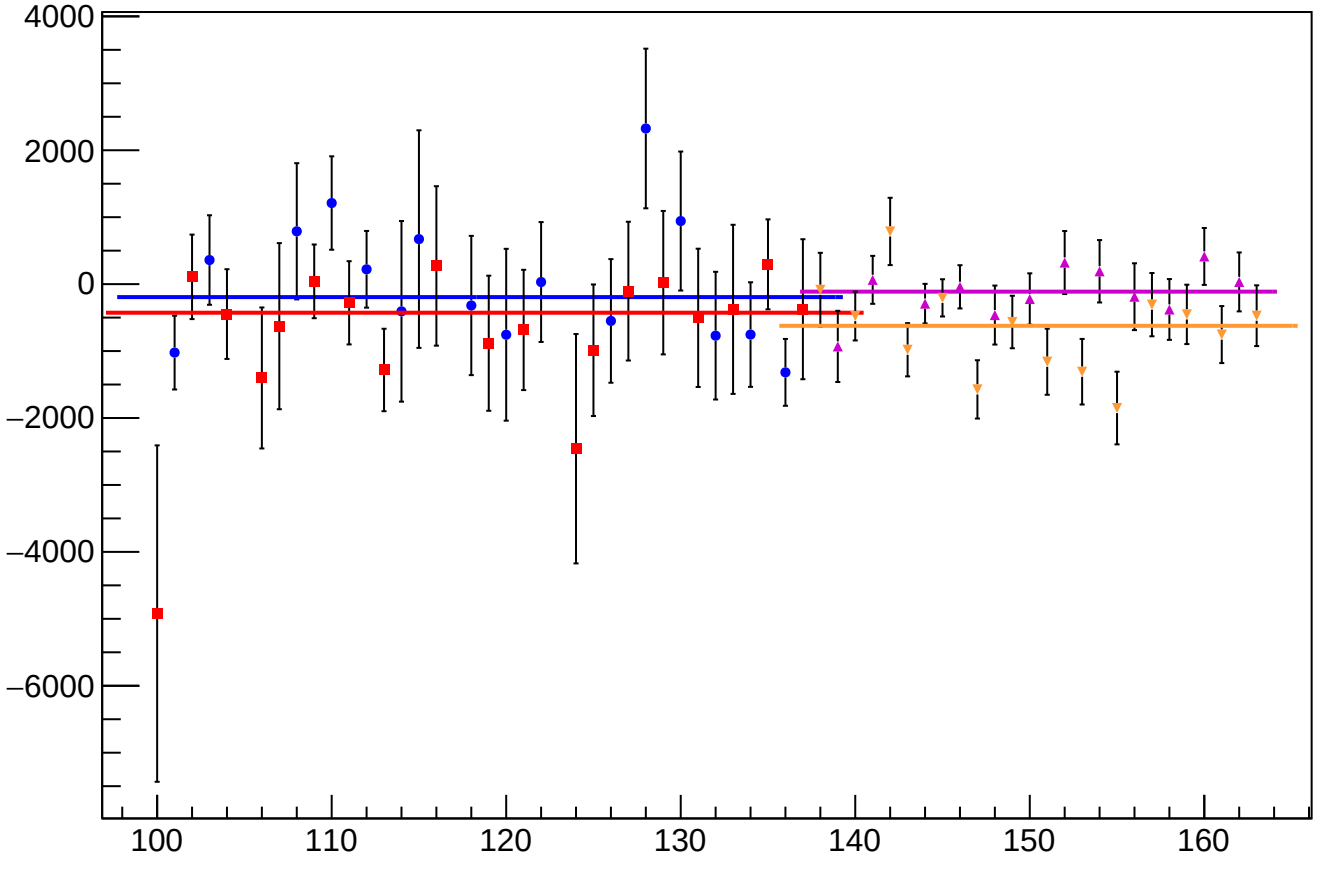
Left In: 56.294+/-0.013 χ^2/NDF:154707.8/11

+ sign 57.256+/-0.010 χ^2/NDF: 777052.6/29

All: 57.373+/-0.007 χ^2/NDF: 1741409.9/60

- sign 57.496+/-0.010 χ^2/NDF: 964056.3/30

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

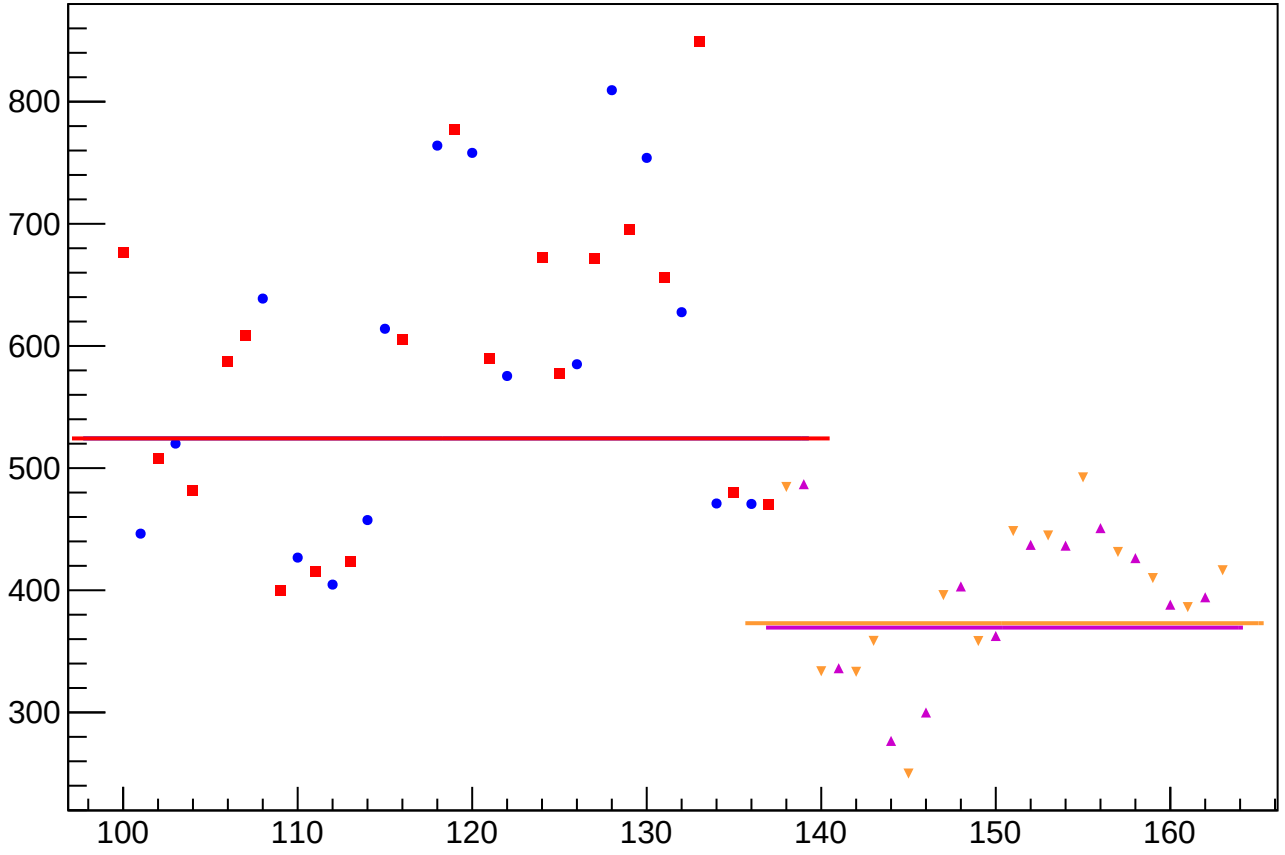
Left In: -112.302+/-117.005 χ^2/NDF:7.0/11

+ sign -518.378+/-98.899 χ^2/NDF: 50.1/29

All: -359.130+/-70.526 χ^2/NDF: 75.6/60

- sign -194.356+/-100.600 χ^2/NDF: 20.2/30

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 373.042+/-0.080 χ^2/NDF:771220.2/13

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

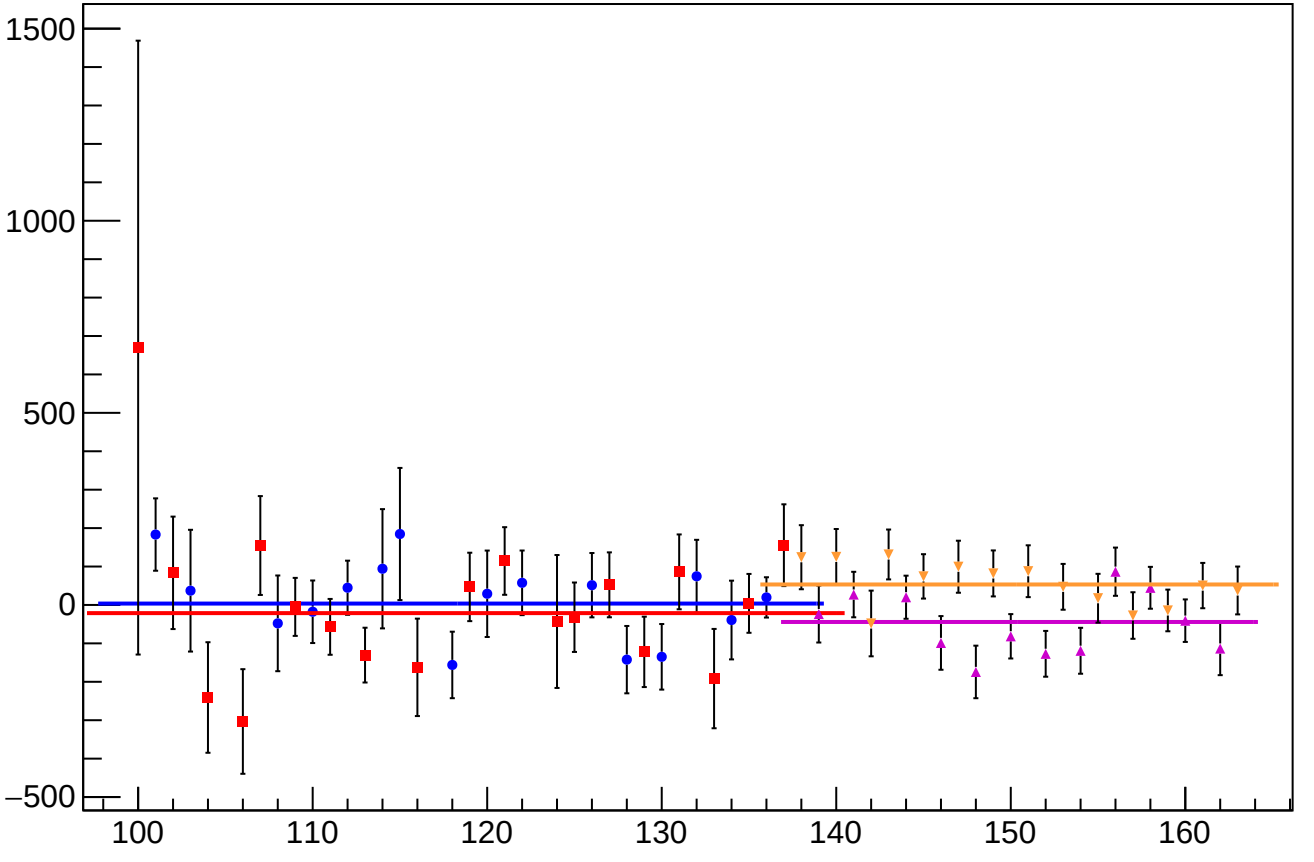
Left In: 369.458+/-0.083 χ^2/NDF:595144.8/11

+ sign 409.812+/-0.070 χ^2/NDF: 2290713.6/29

All: 409.824+/-0.050 χ^2/NDF: 4485353.6/60

- sign 409.836+/-0.071 χ^2/NDF: 2194639.9/30

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.297+/-17.120 χ^2/NDF:9.4/13

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

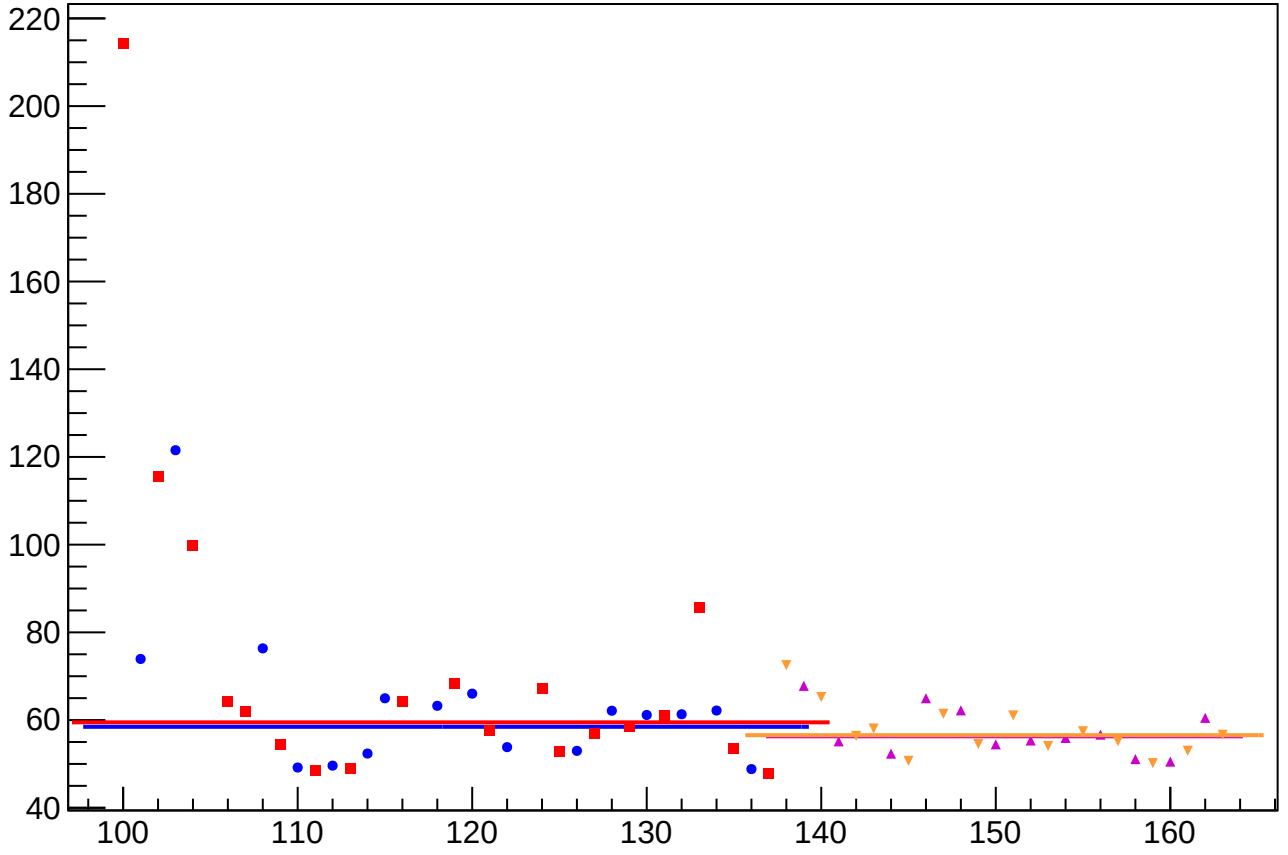
Left In: -44.311+/-17.702 χ^2/NDF:19.0/11

+ sign 35.053+/-13.620 χ^2/NDF: 28.6/29

All: 0.624+/-9.754 χ^2/NDF: 85.8/60

- sign -35.624+/-13.975 χ^2/NDF: 44.1/30

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.556+/-0.012 χ^2/NDF:184934.6/13

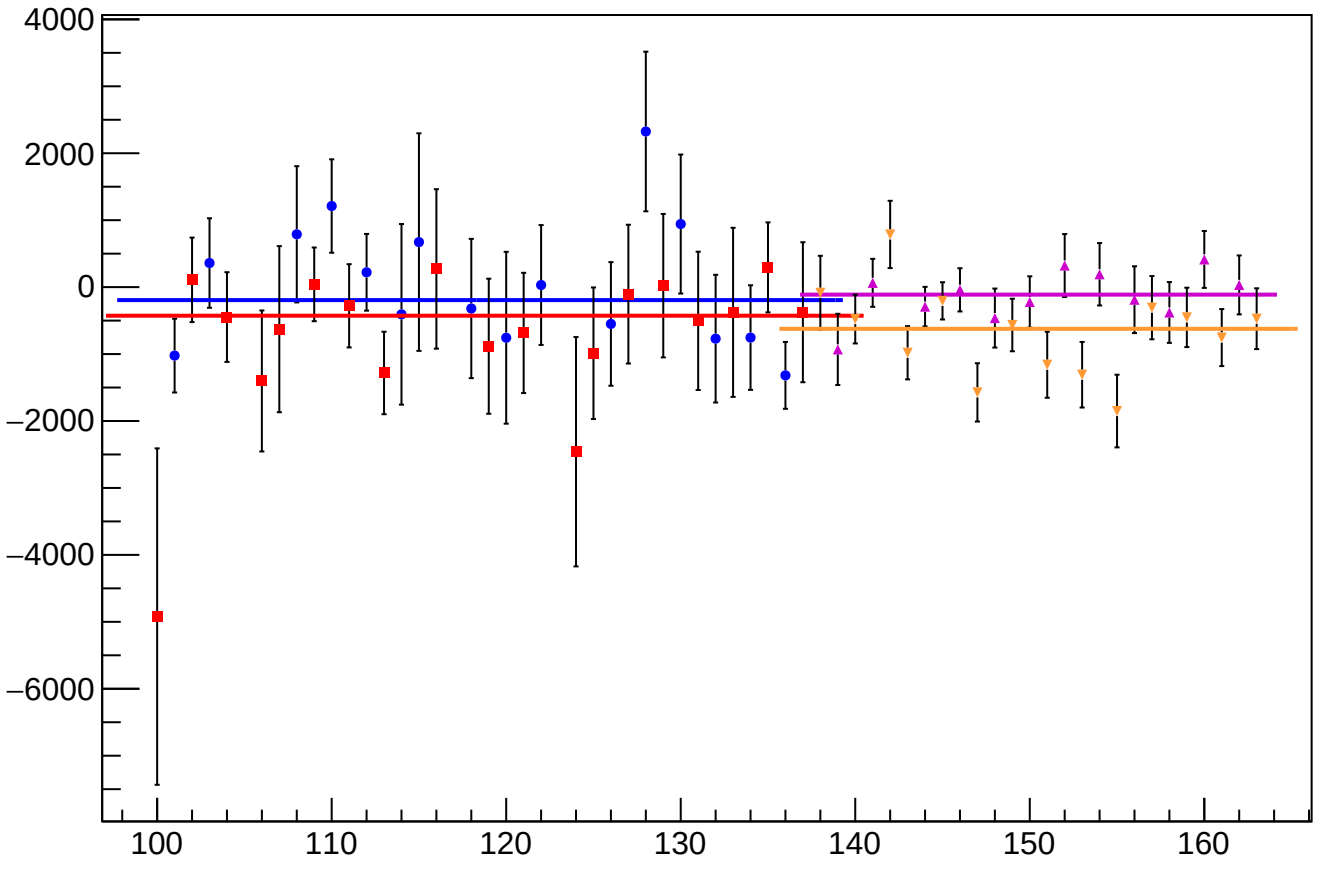
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.294+/-0.013 χ^2/NDF:154710.1/11

+ sign 57.257+/-0.010 χ^2/NDF: 777053.3/29

All: 57.373+/-0.007 χ^2/NDF: 1741412.5/60

- sign 57.496+/-0.010 χ^2/NDF: 964058.2/30



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -622.569+/-113.673 χ^2/NDF:25.9/13

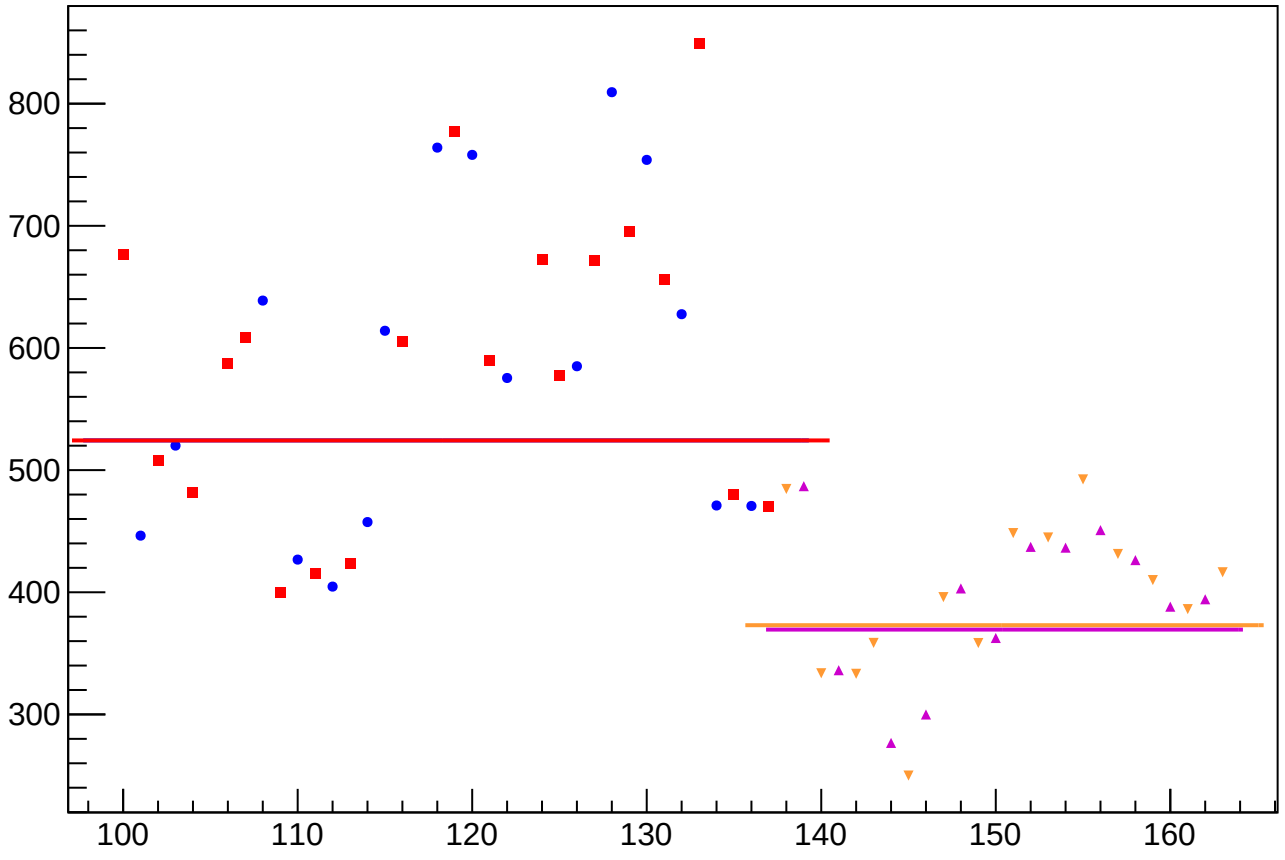
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -112.302+/-117.005 χ^2/NDF:7.0/11

+ sign -518.378+/-98.899 χ^2/NDF: 50.1/29

All: -359.129+/-70.526 χ^2/NDF: 75.6/60

- sign -194.356+/-100.600 χ^2/NDF: 20.2/30



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 373.041+/-0.080 χ^2/NDF:771216.6/13

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

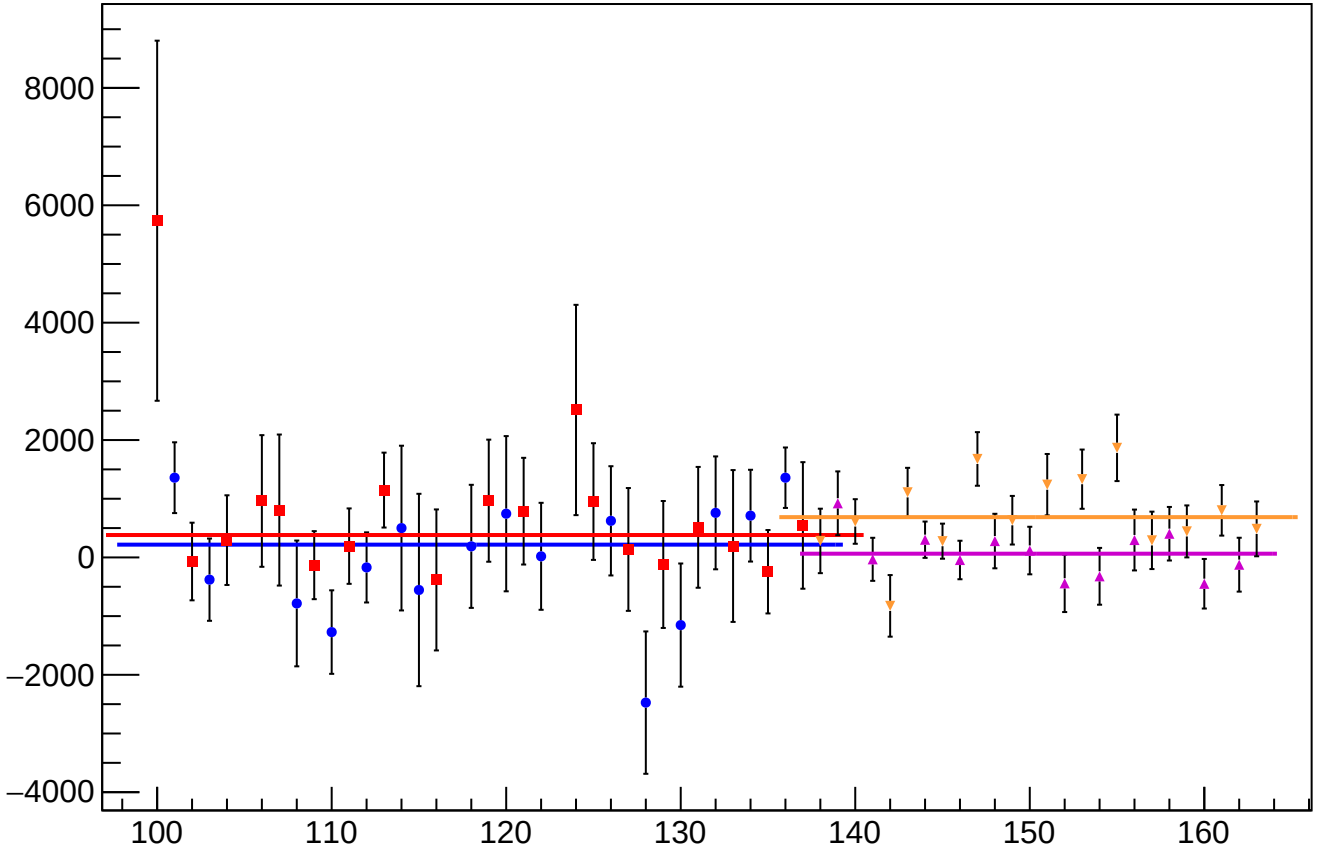
Left In: 369.457+/-0.083 χ^2/NDF:595141.1/11

+ sign 409.812+/-0.070 χ^2/NDF: 2290709.8/29

All: 409.823+/-0.050 χ^2/NDF: 4485342.6/60

- sign 409.835+/-0.071 χ^2/NDF: 2194632.7/30

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 686.469+/-118.354 χ^2/NDF:24.8/13

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

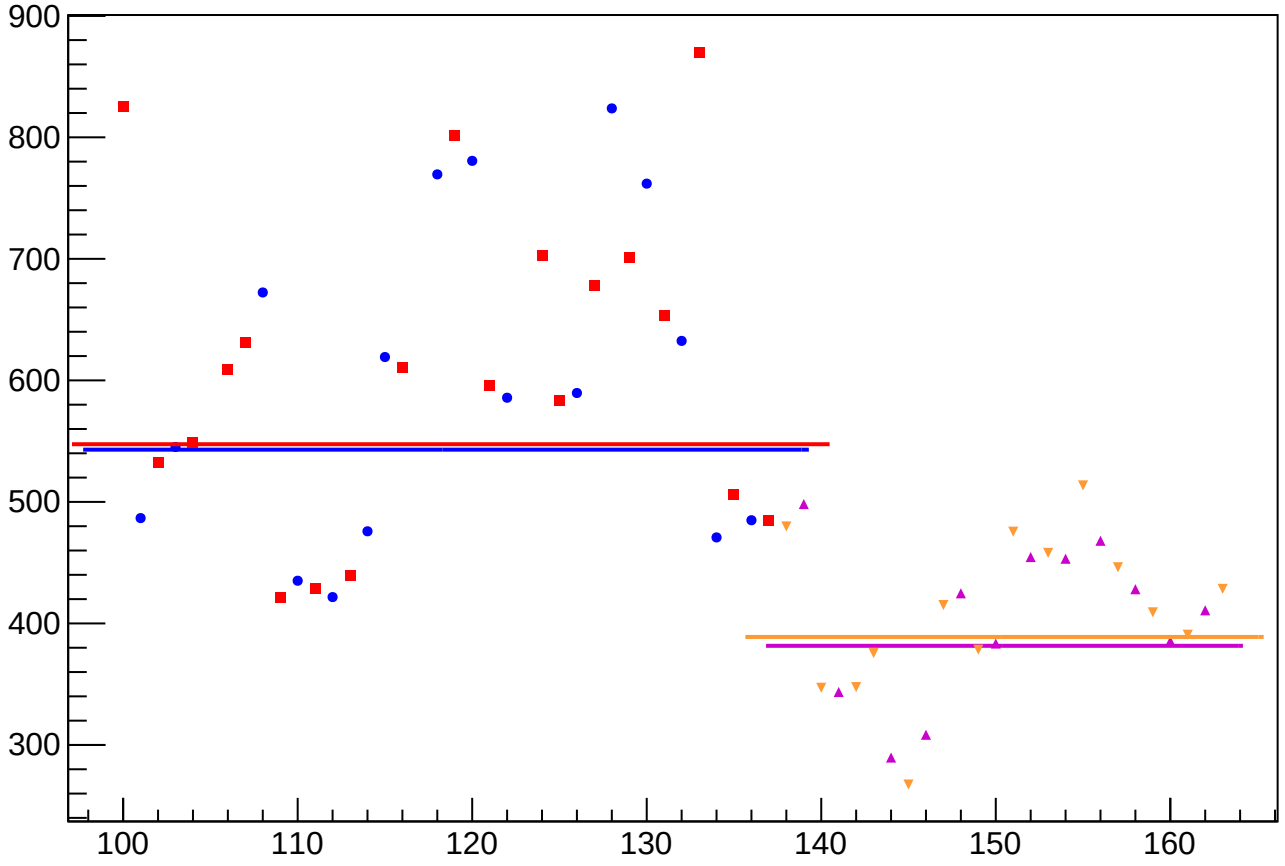
Left In: 63.540+/-120.737 χ^2/NDF:7.6/11

+ sign 571.406+/-102.806 χ^2/NDF: 51.6/29

All: 360.975+/-73.152 χ^2/NDF: 79.4/60

- sign 145.167+/-104.111 χ^2/NDF: 19.4/30

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 388.883+/-0.084 χ^2/NDF:667160.8/13

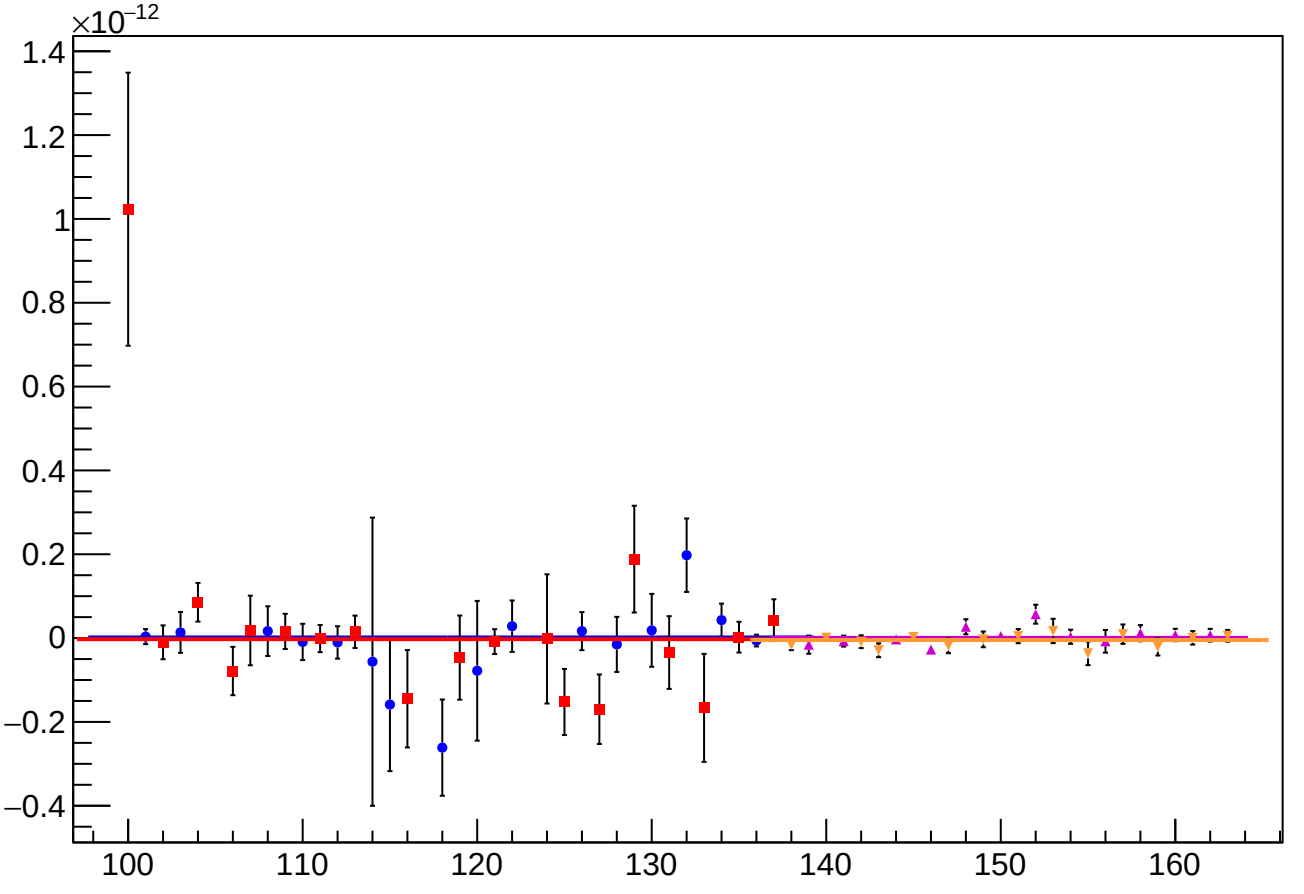
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 381.594+/-0.085 χ^2/NDF:580065.7/11

+ sign 426.716+/-0.073 χ^2/NDF: 2104904.1/29

All: 425.440+/-0.052 χ^2/NDF: 4283917.4/60

- sign 424.132+/-0.074 χ^2/NDF: 2178389.4/30



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/13

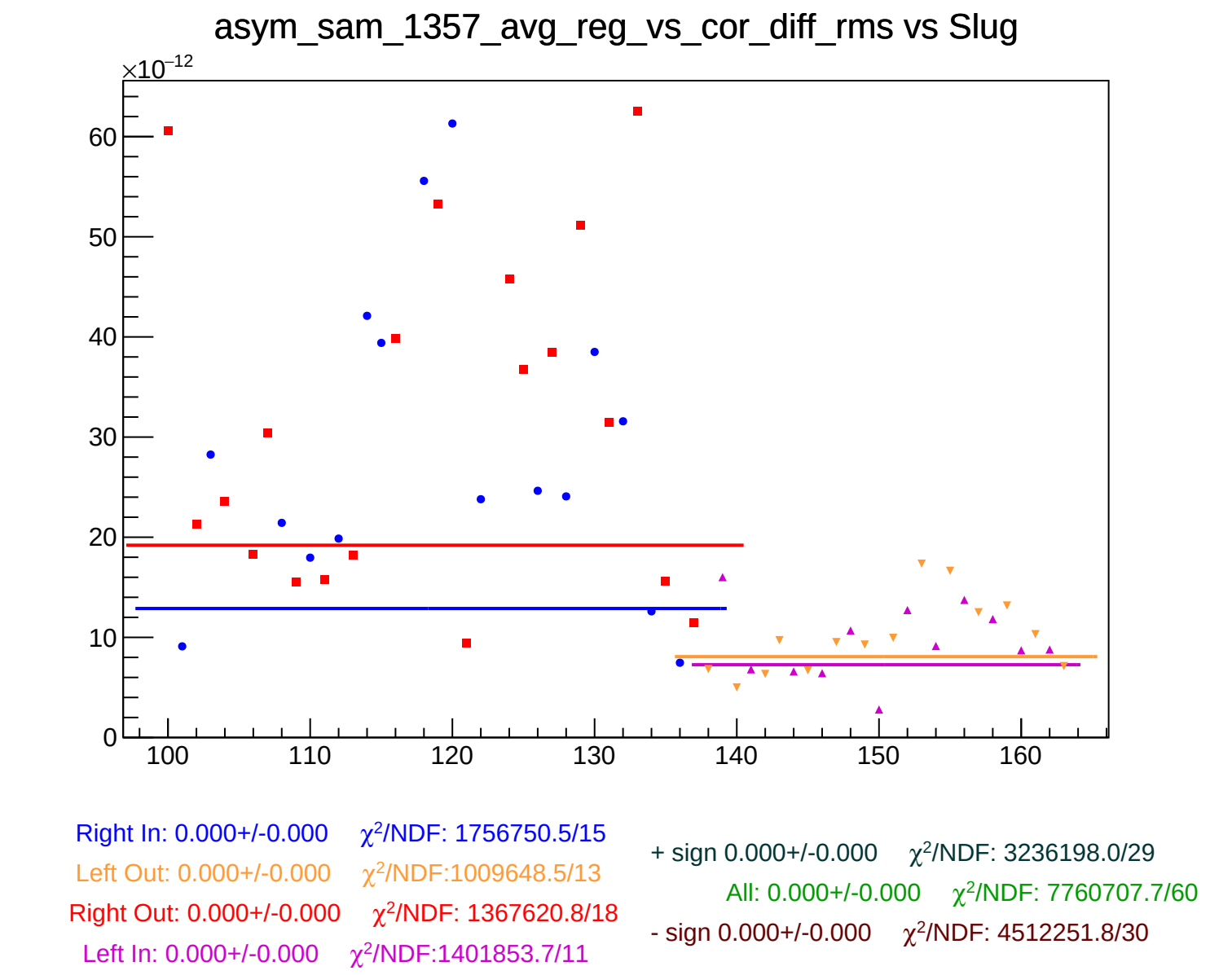
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.8/11

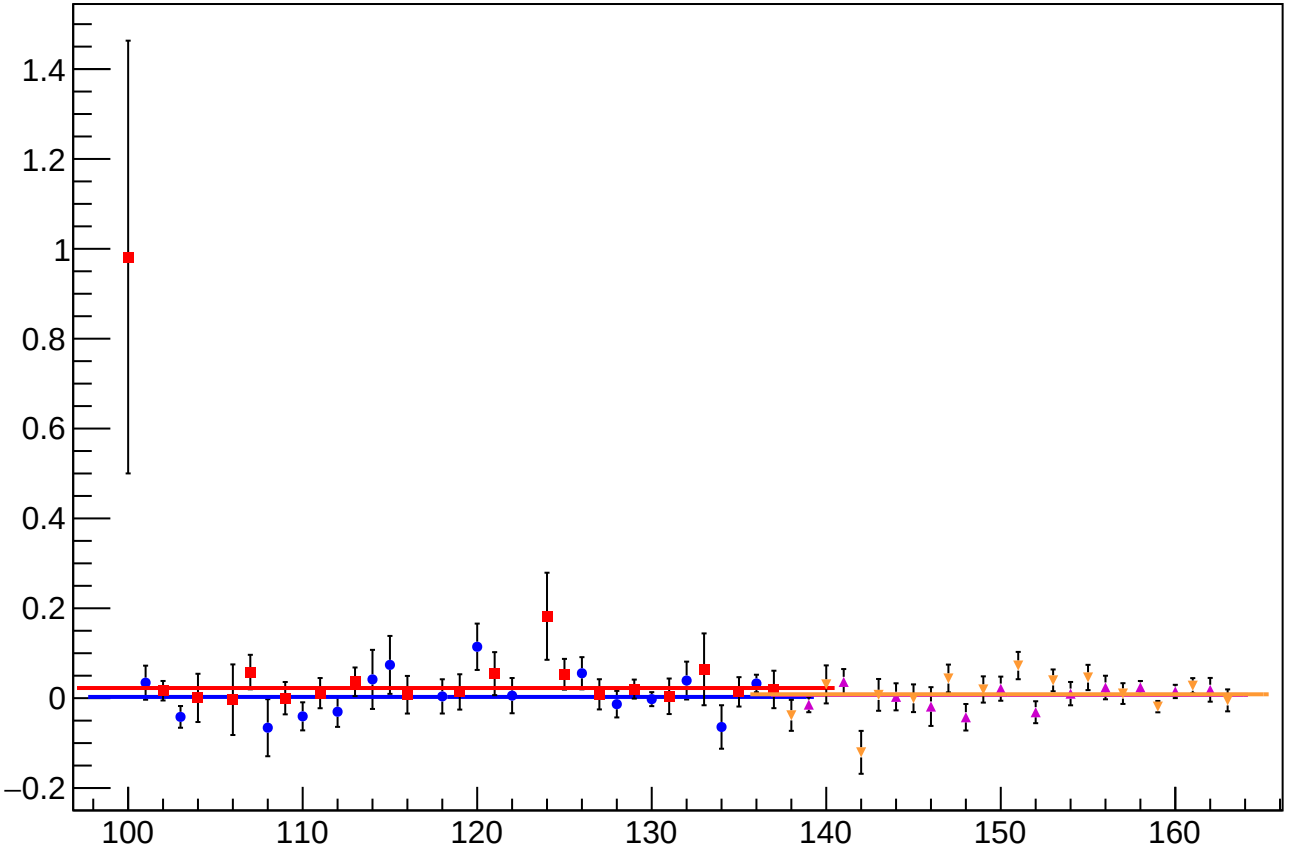
+ sign -0.000+/-0.000 χ^2/NDF: 22.3/29

All: -0.000+/-0.000 χ^2/NDF: 69.7/60

- sign 0.000+/-0.000 χ^2/NDF: 46.9/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1009648.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1401853.7/11
+ sign 0.000+/-0.000 χ²/NDF: 3236198.0/29
All: 0.000+/-0.000 χ²/NDF: 7760707.7/60
- sign 0.000+/-0.000 χ²/NDF: 4512251.8/30

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

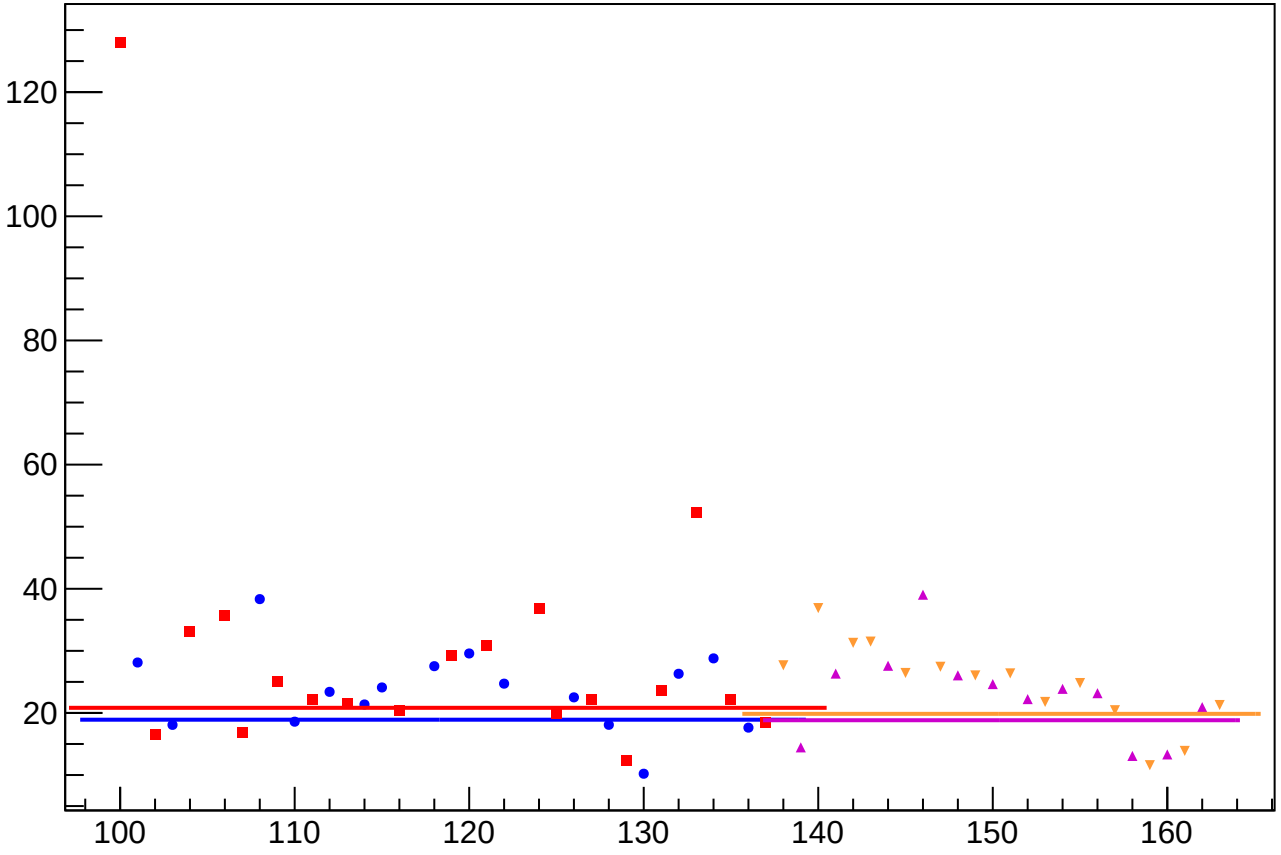
Left In: 0.007+/-0.006 χ^2/NDF:10.9/11

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.009+/-0.004 χ^2/NDF: 71.9/60

- sign 0.013+/-0.005 χ^2/NDF: 23.7/30

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: 19.855+/-0.005 χ^2/NDF:2337451.6/13

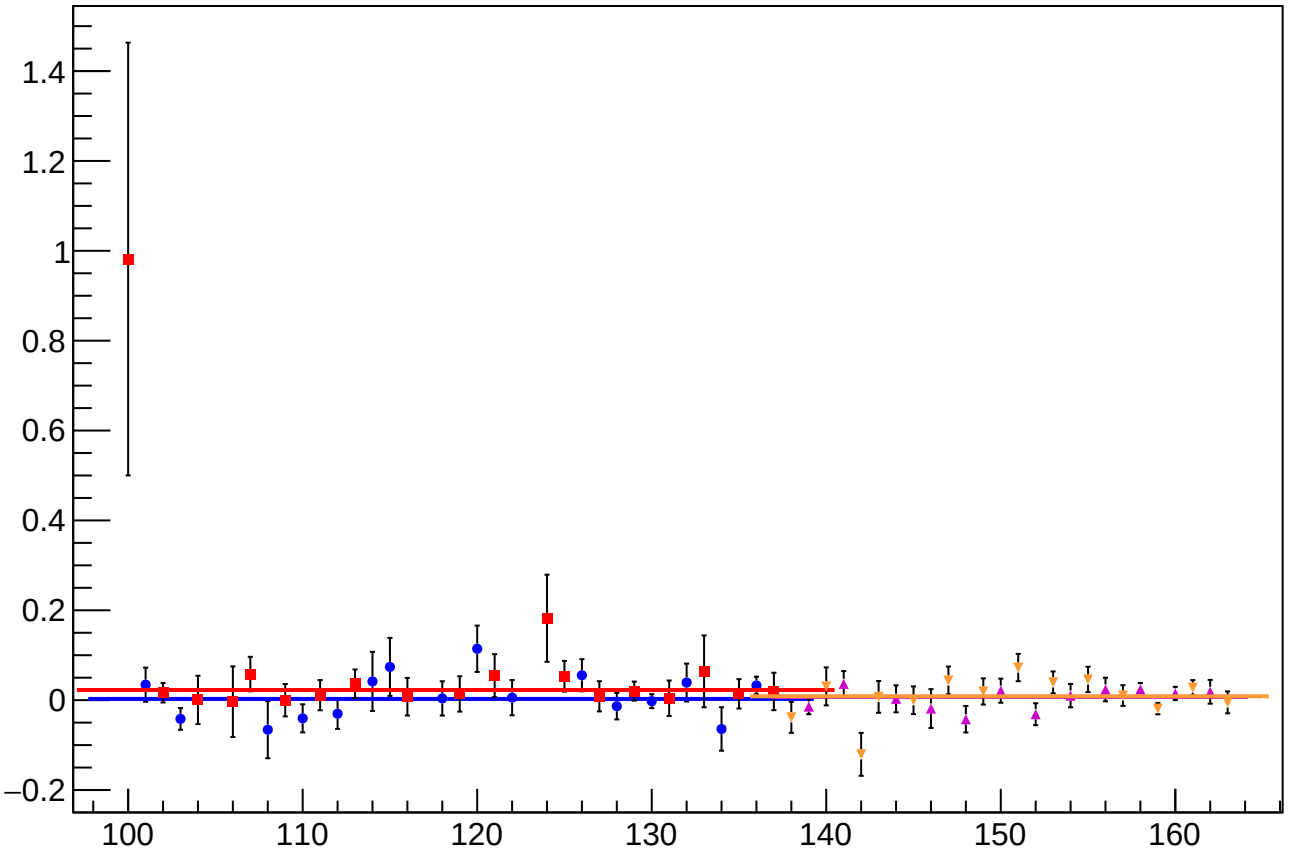
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.825+/-0.005 χ^2/NDF:1880738.5/11

+ sign 19.464+/-0.004 χ^2/NDF: 3744924.5/29

All: 19.508+/-0.003 χ^2/NDF: 6988852.0/60

- sign 19.554+/-0.004 χ^2/NDF: 3243609.2/30



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

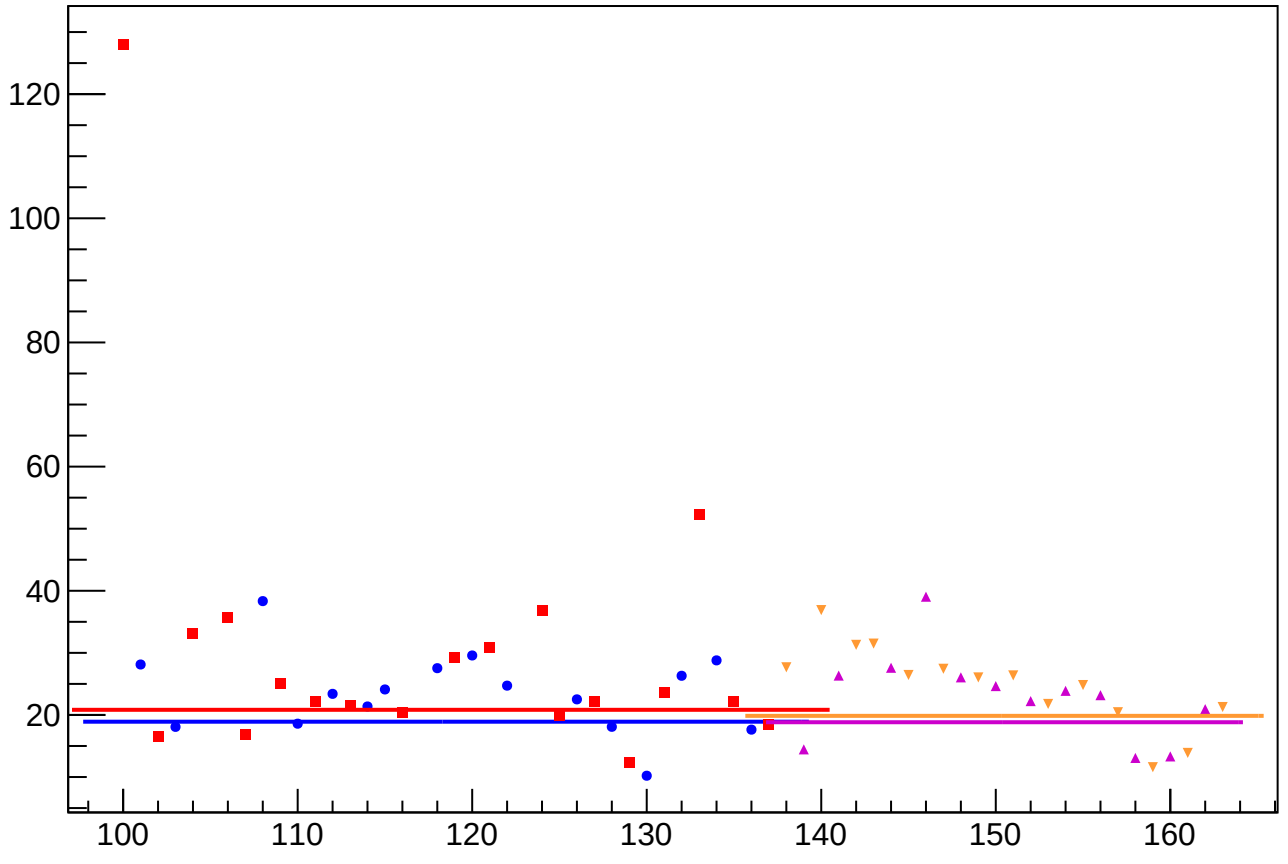
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.007+/-0.006 χ^2/NDF:10.9/11

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.009+/-0.004 χ^2/NDF: 71.9/60

- sign 0.013+/-0.005 χ^2/NDF: 23.7/30



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337451.6/13

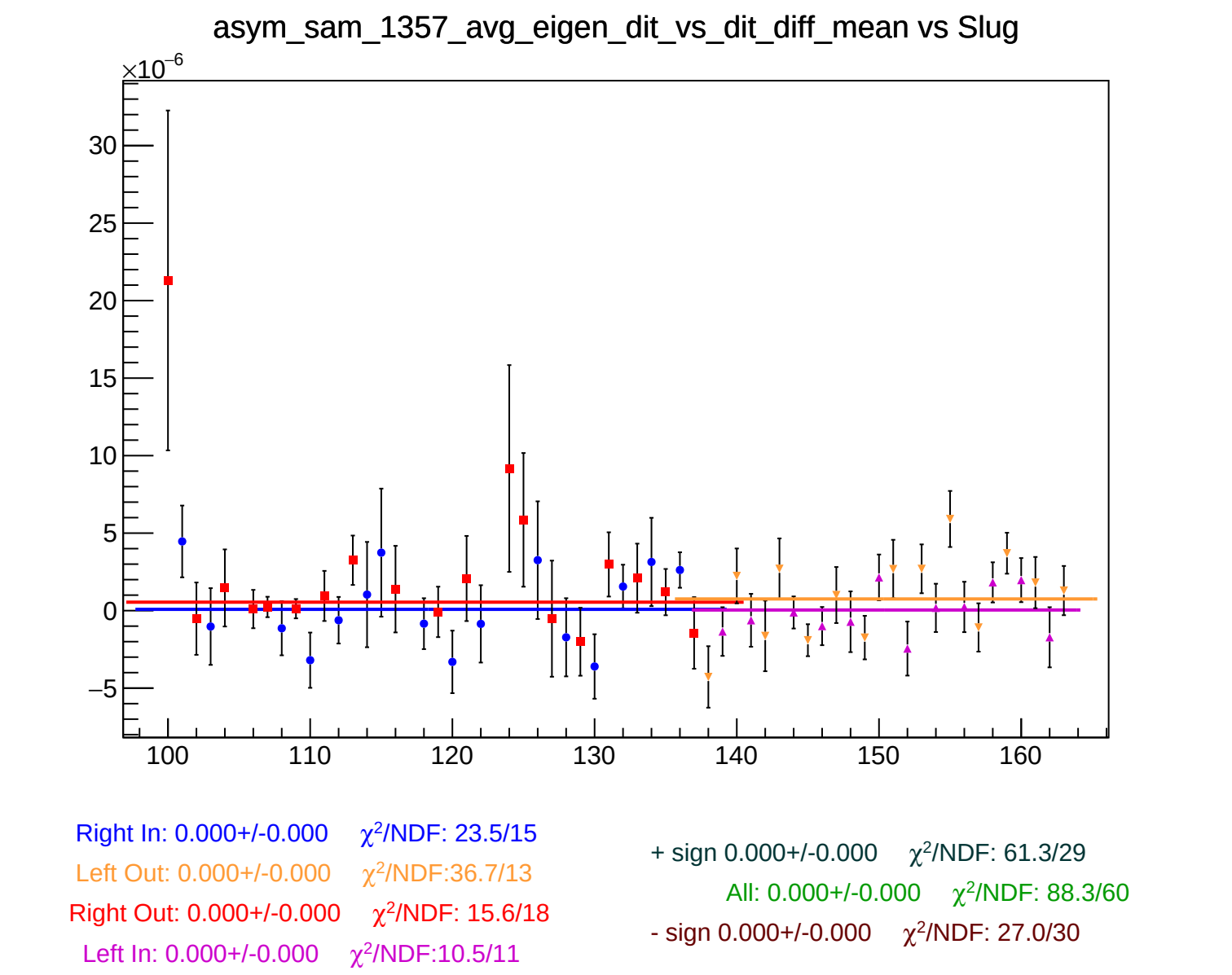
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

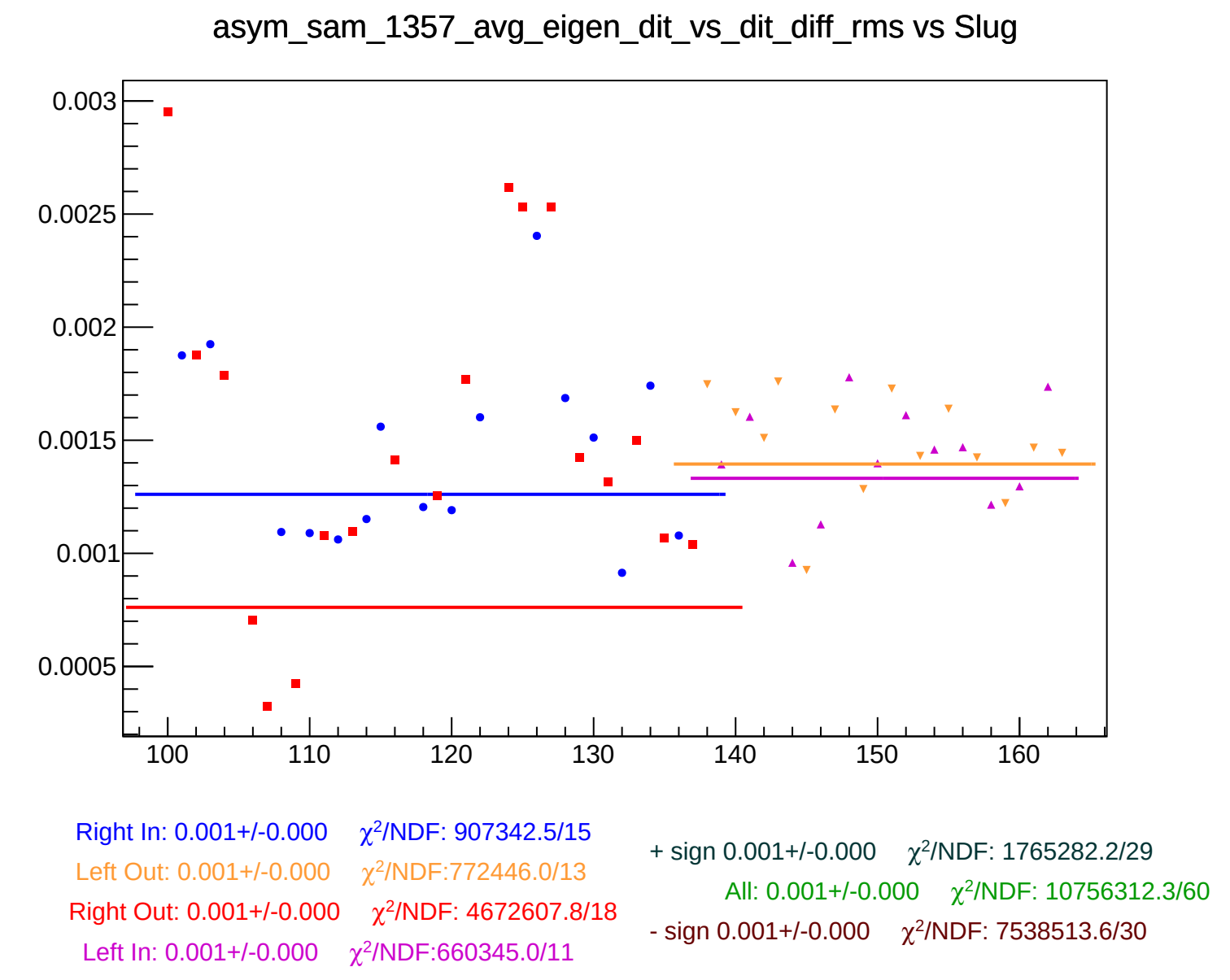
Left In: 18.825+/-0.005 χ^2/NDF:1880738.5/11

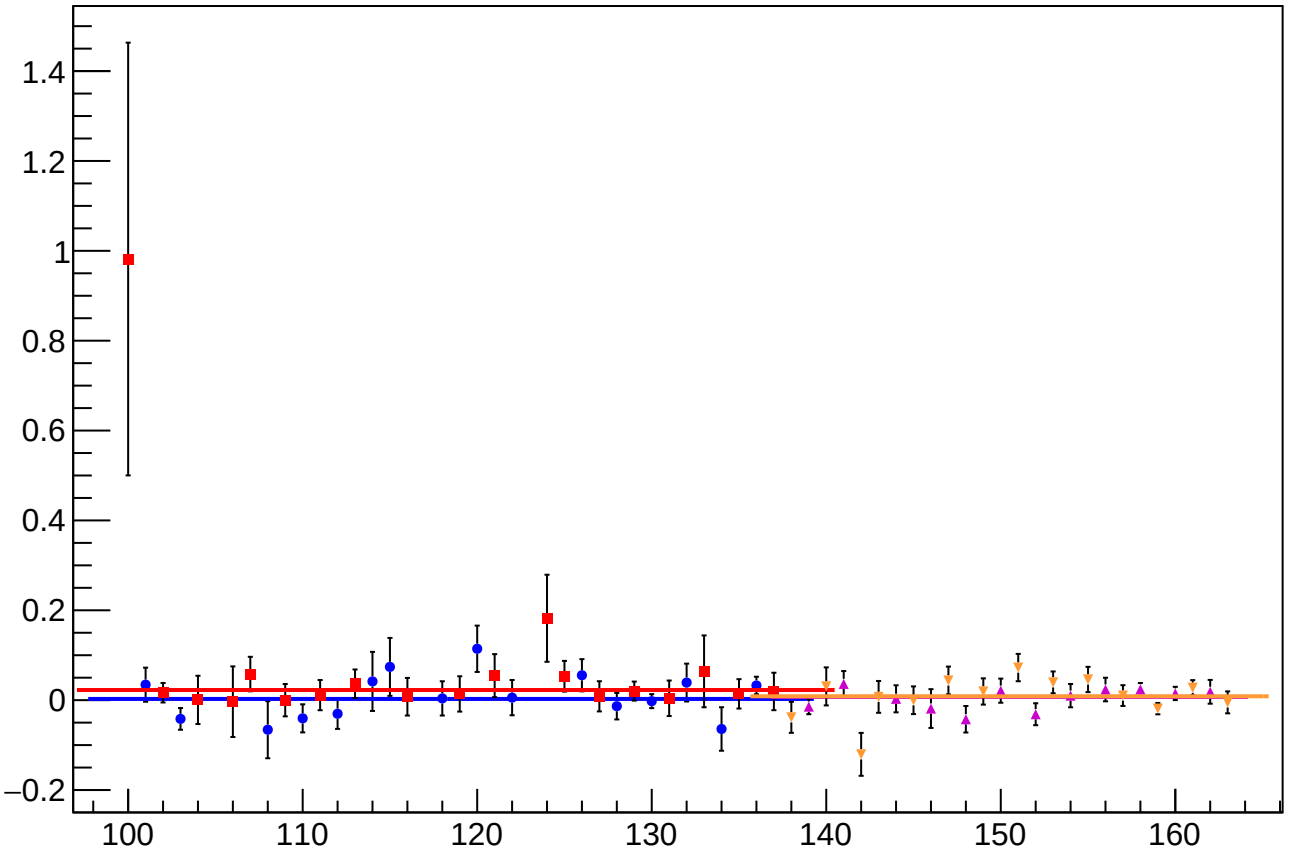
+ sign 19.464+/-0.004 χ^2/NDF: 3744924.5/29

All: 19.508+/-0.003 χ^2/NDF: 6988852.0/60

- sign 19.554+/-0.004 χ^2/NDF: 3243609.2/30


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
160
Right In: 0.000+/-0.000 χ²/NDF: 23.5/15
Left Out: 0.000+/-0.000 χ²/NDF:36.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:10.5/11
+ sign 0.000+/-0.000 χ²/NDF: 61.3/29
All: 0.000+/-0.000 χ²/NDF: 88.3/60
- sign 0.000+/-0.000 χ²/NDF: 27.0/30


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
160
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:772446.0/13
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:660345.0/11
+ sign 0.001+/-0.000 χ²/NDF: 1765282.2/29
All: 0.001+/-0.000 χ²/NDF: 10756312.3/60
- sign 0.001+/-0.000 χ²/NDF: 7538513.6/30



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

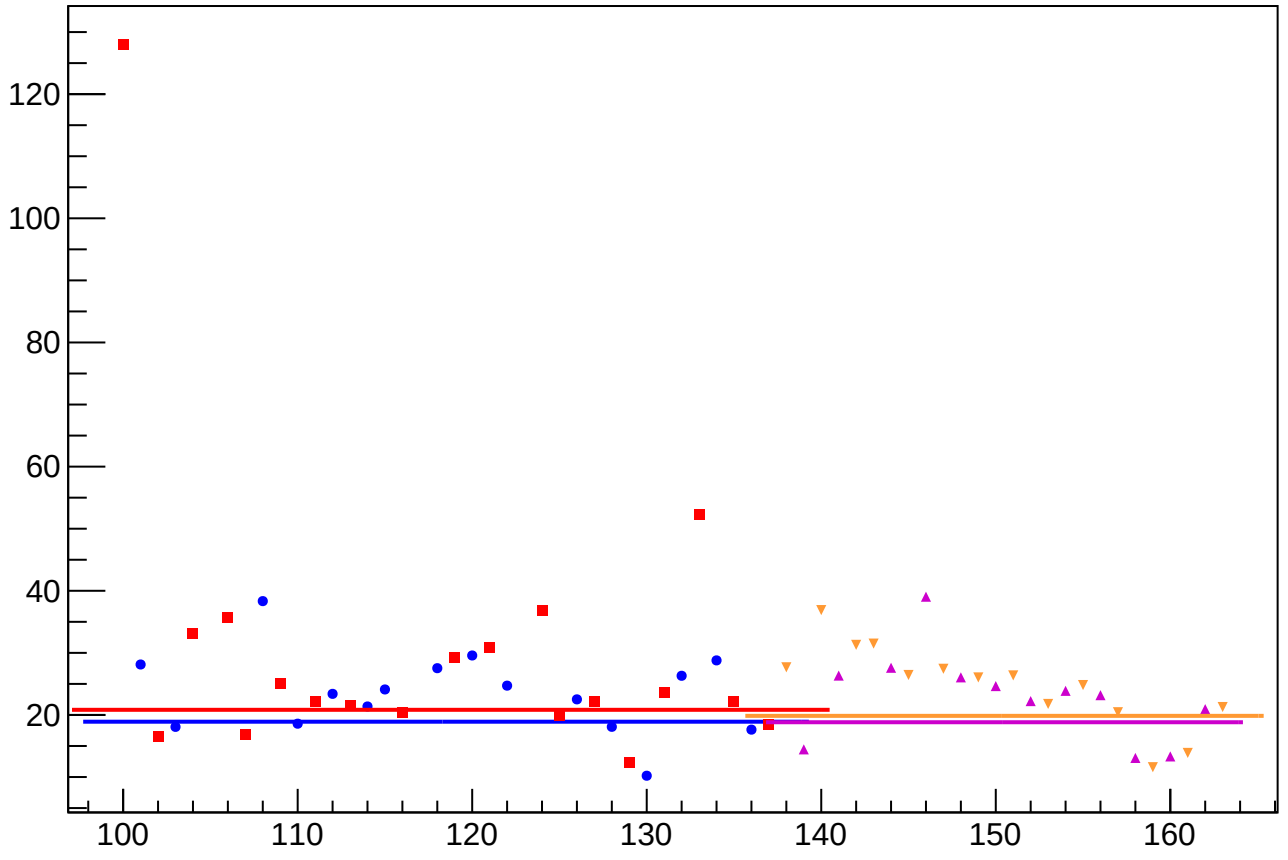
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.007+/-0.006 χ^2/NDF:10.9/11

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.009+/-0.004 χ^2/NDF: 71.9/60

- sign 0.013+/-0.005 χ^2/NDF: 23.7/30



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337658.8/13

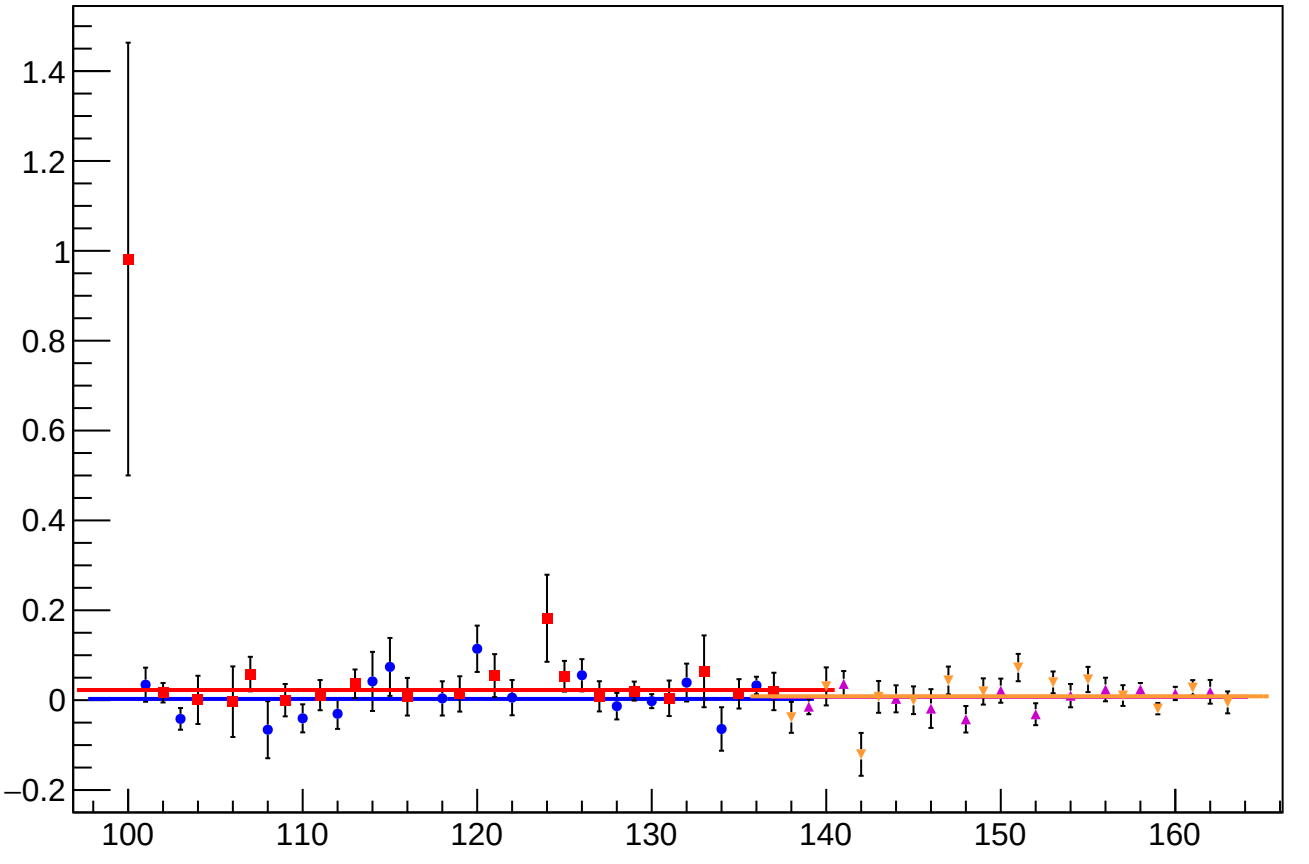
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.825+/-0.005 χ^2/NDF:1880838.0/11

+ sign 19.464+/-0.004 χ^2/NDF: 3745002.6/29

All: 19.509+/-0.003 χ^2/NDF: 6989027.0/60

- sign 19.555+/-0.004 χ^2/NDF: 3243706.2/30



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

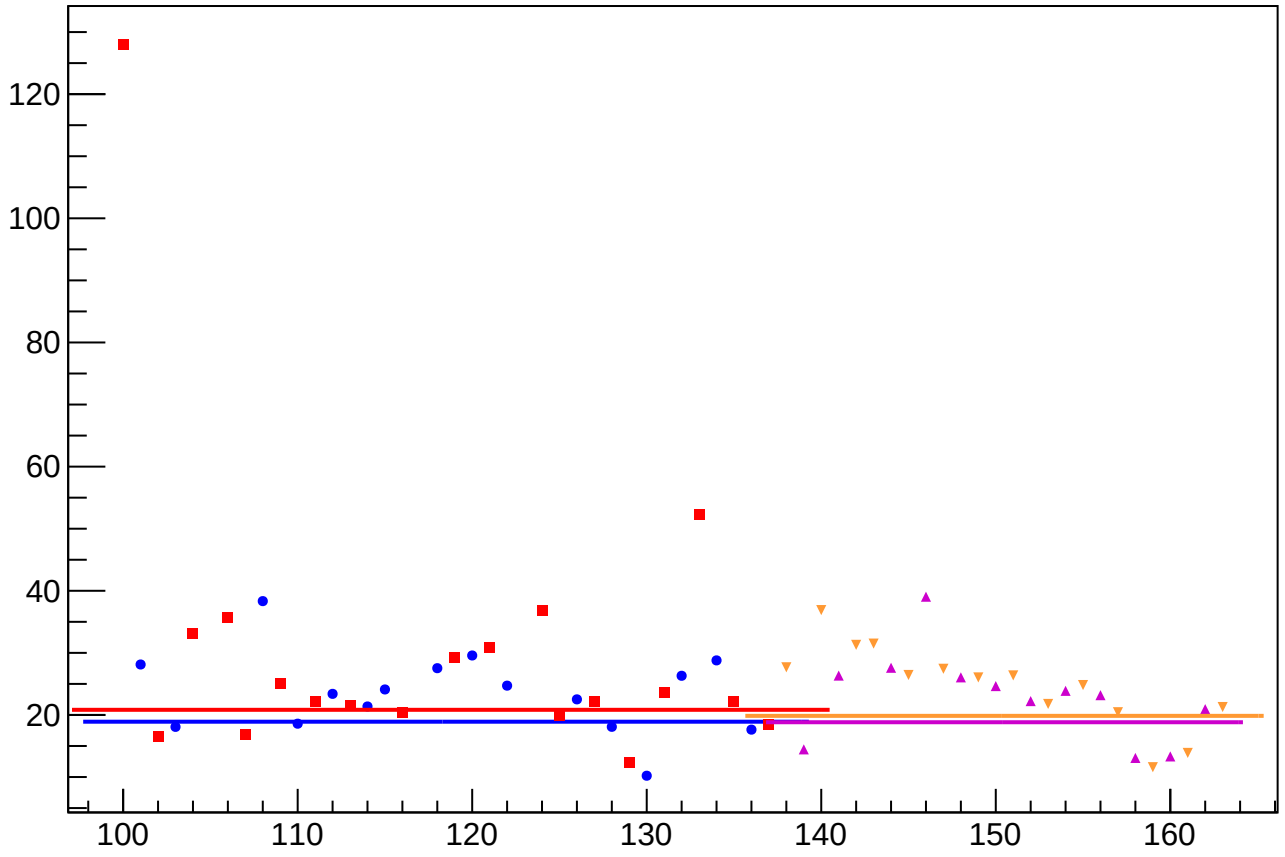
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.007+/-0.006 χ^2/NDF:10.9/11

+ sign 0.006+/-0.005 χ^2/NDF: 47.3/29

All: 0.009+/-0.004 χ^2/NDF: 71.9/60

- sign 0.013+/-0.005 χ^2/NDF: 23.7/30



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337658.8/13

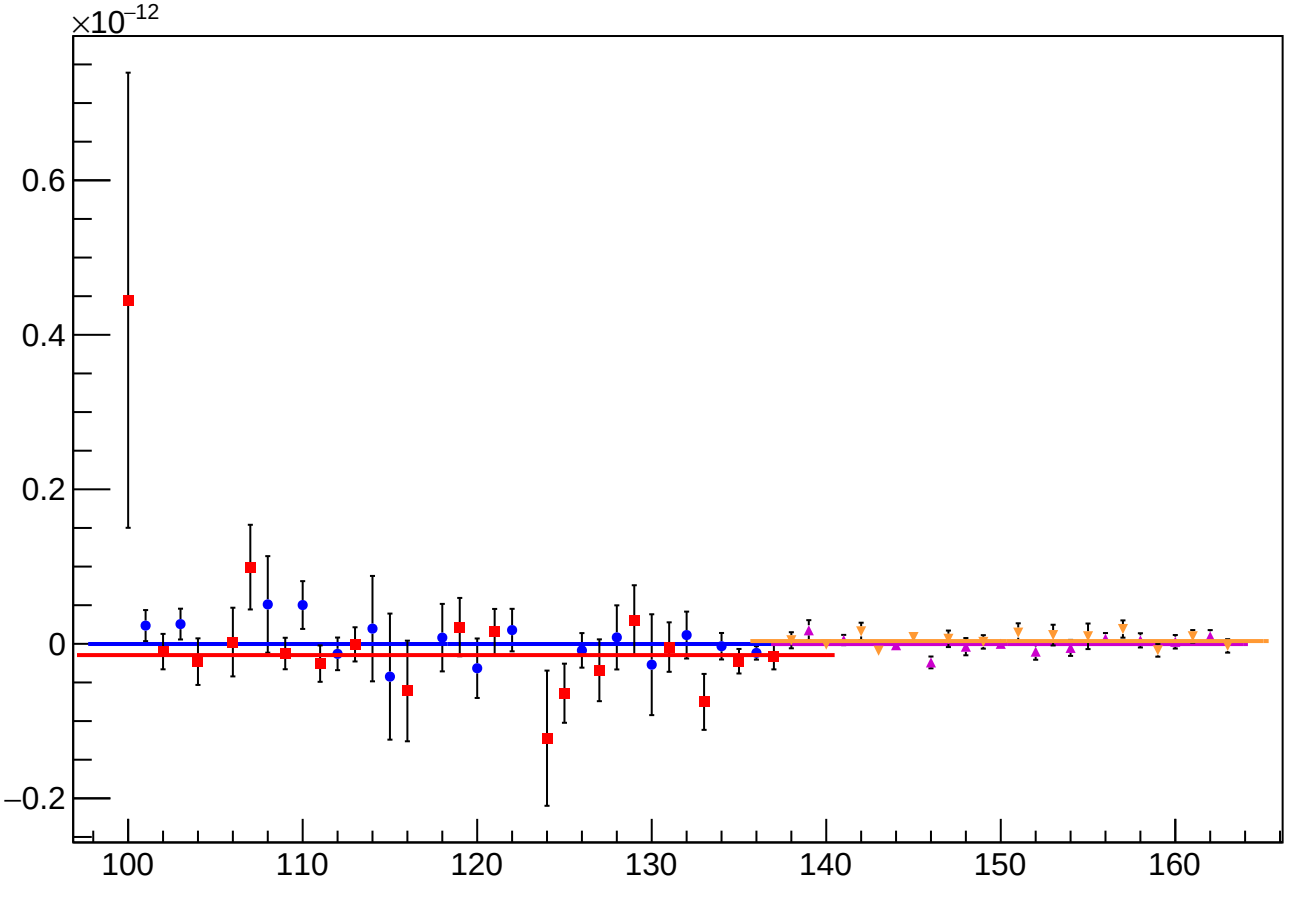
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.825+/-0.005 χ^2/NDF:1880838.0/11

+ sign 19.464+/-0.004 χ^2/NDF: 3745002.6/29

All: 19.509+/-0.003 χ^2/NDF: 6989027.0/60

- sign 19.555+/-0.004 χ^2/NDF: 3243706.2/30



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/13

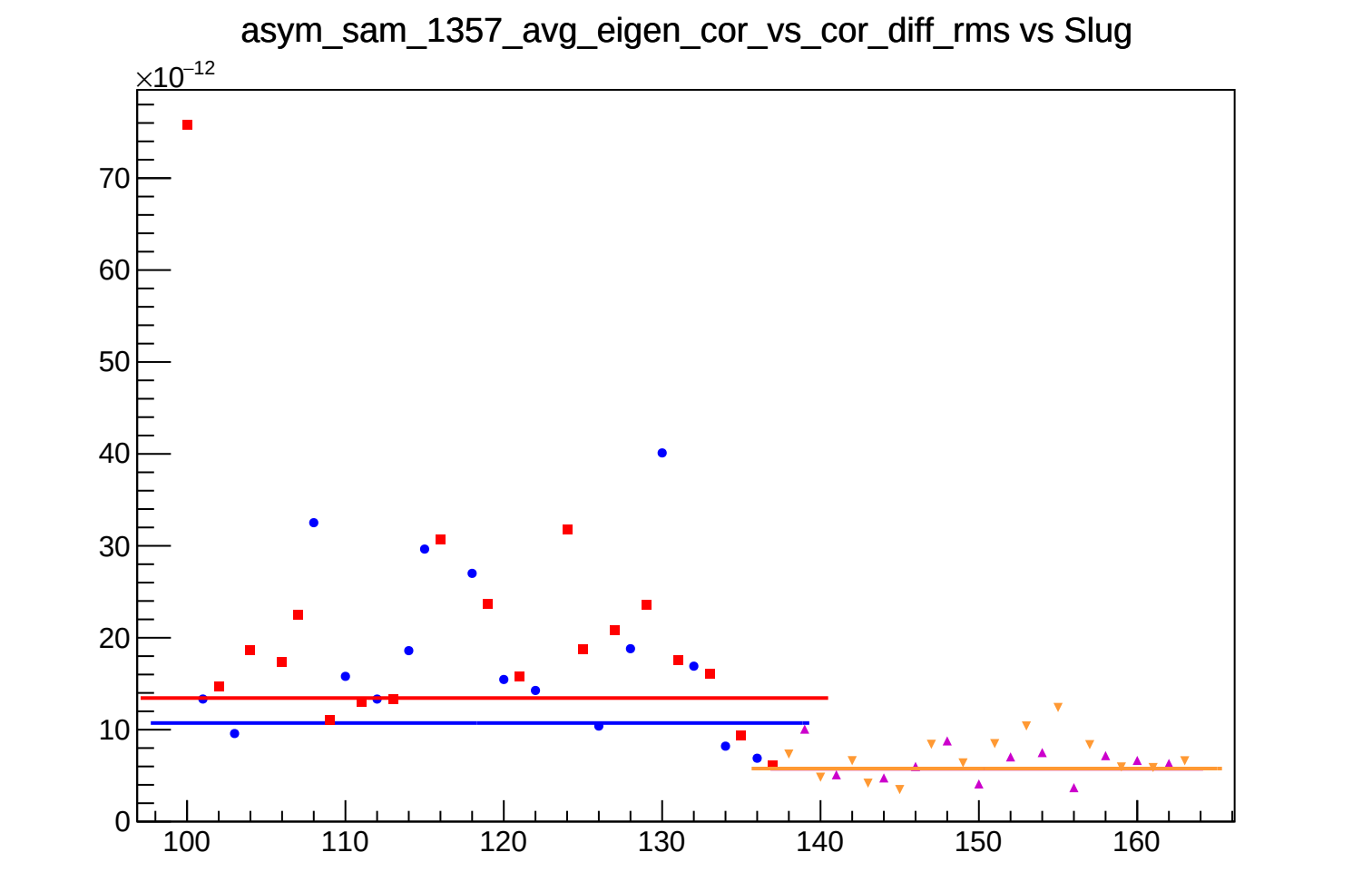
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 24.2/29

All: 0.000+/-0.000 χ^2/NDF: 64.9/60

- sign -0.000+/-0.000 χ^2/NDF: 38.0/30



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1574107.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

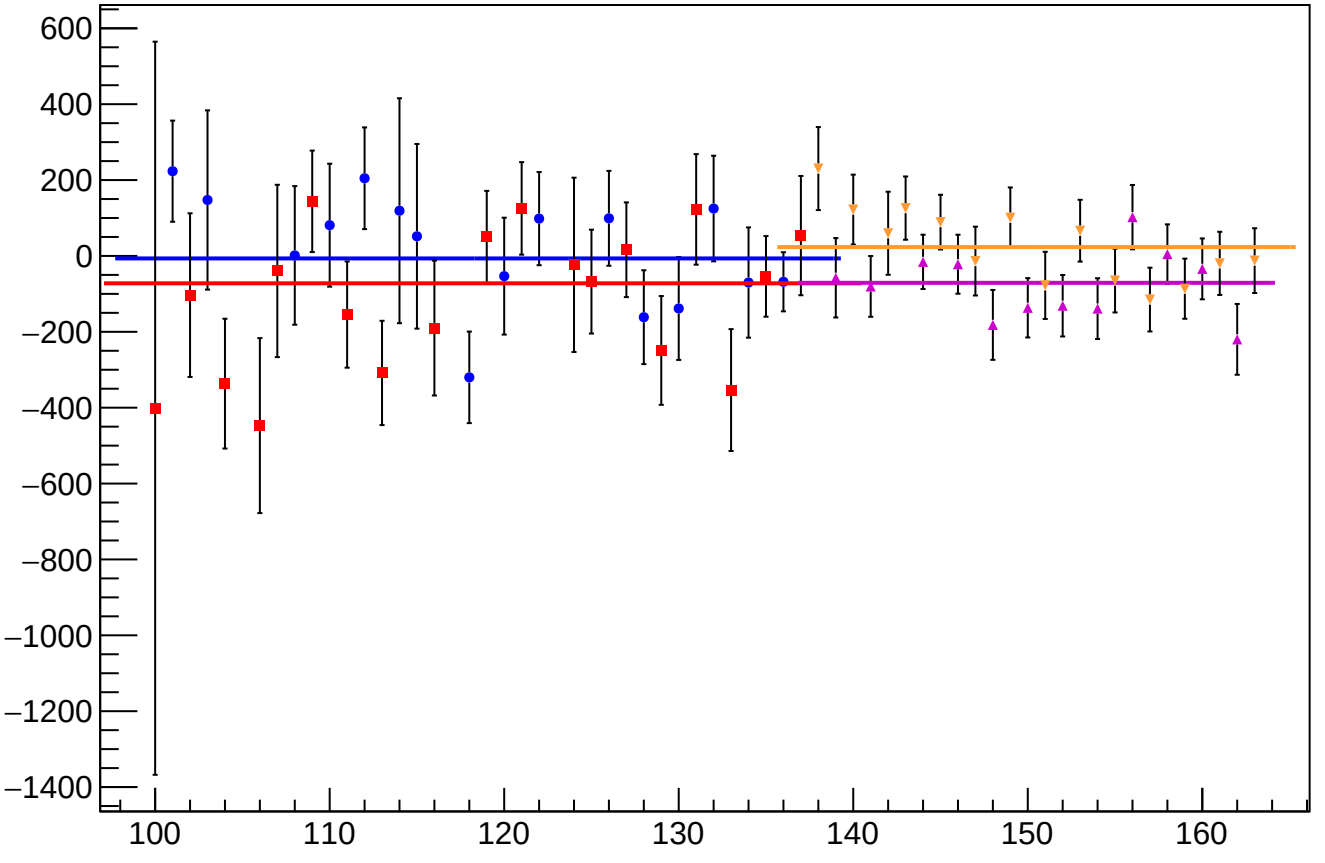
Left In: 0.000+/-0.000 χ^2/NDF:894374.8/11

+ sign 0.000+/-0.000 χ^2/NDF: 4758021.3/29

All: 0.000+/-0.000 χ^2/NDF: 9516824.4/60

- sign 0.000+/-0.000 χ^2/NDF: 4752596.9/30

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.353+/-22.928 χ^2/NDF:16.1/13

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

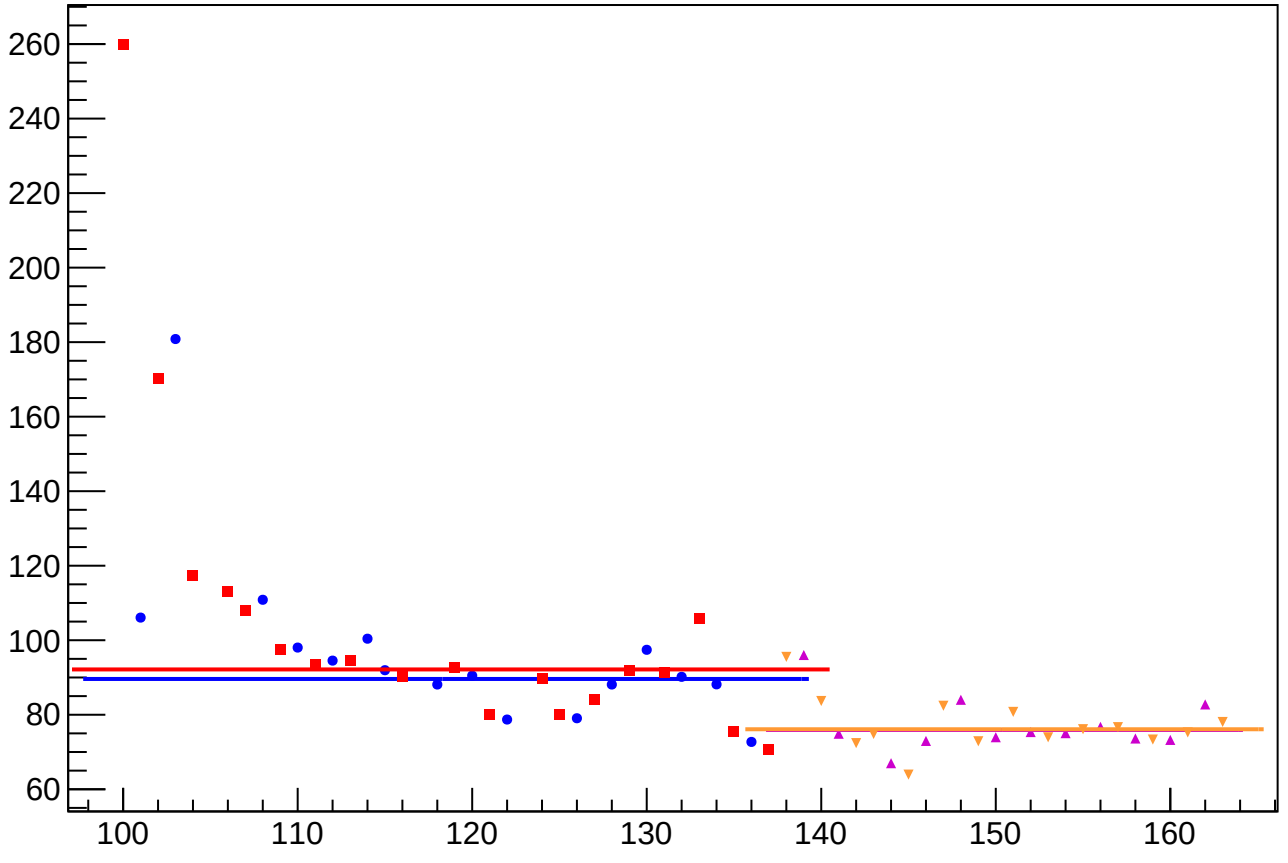
Left In: -70.860+/-23.771 χ^2/NDF:12.3/11

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -27.287+/-13.679 χ^2/NDF: 80.3/60

- sign -71.260+/-19.644 χ^2/NDF: 35.1/30

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

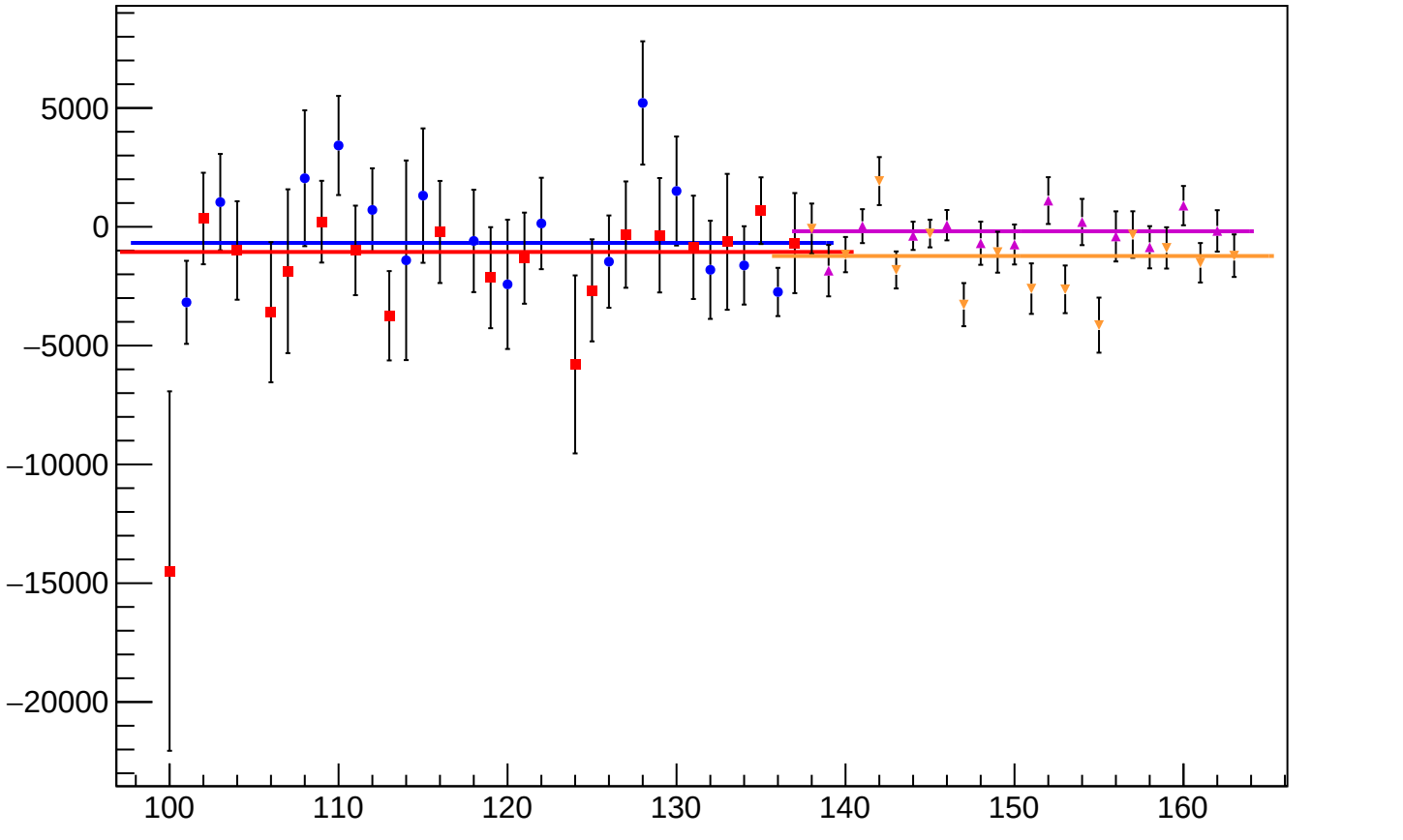
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

+ sign 80.277+/-0.013 χ^2/NDF: 872594.0/29

All: 80.657+/-0.010 χ^2/NDF: 1853035.5/60

- sign 81.061+/-0.014 χ^2/NDF: 978798.0/30



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1228.793+/-232.287 χ^2/NDF:30.3/13

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

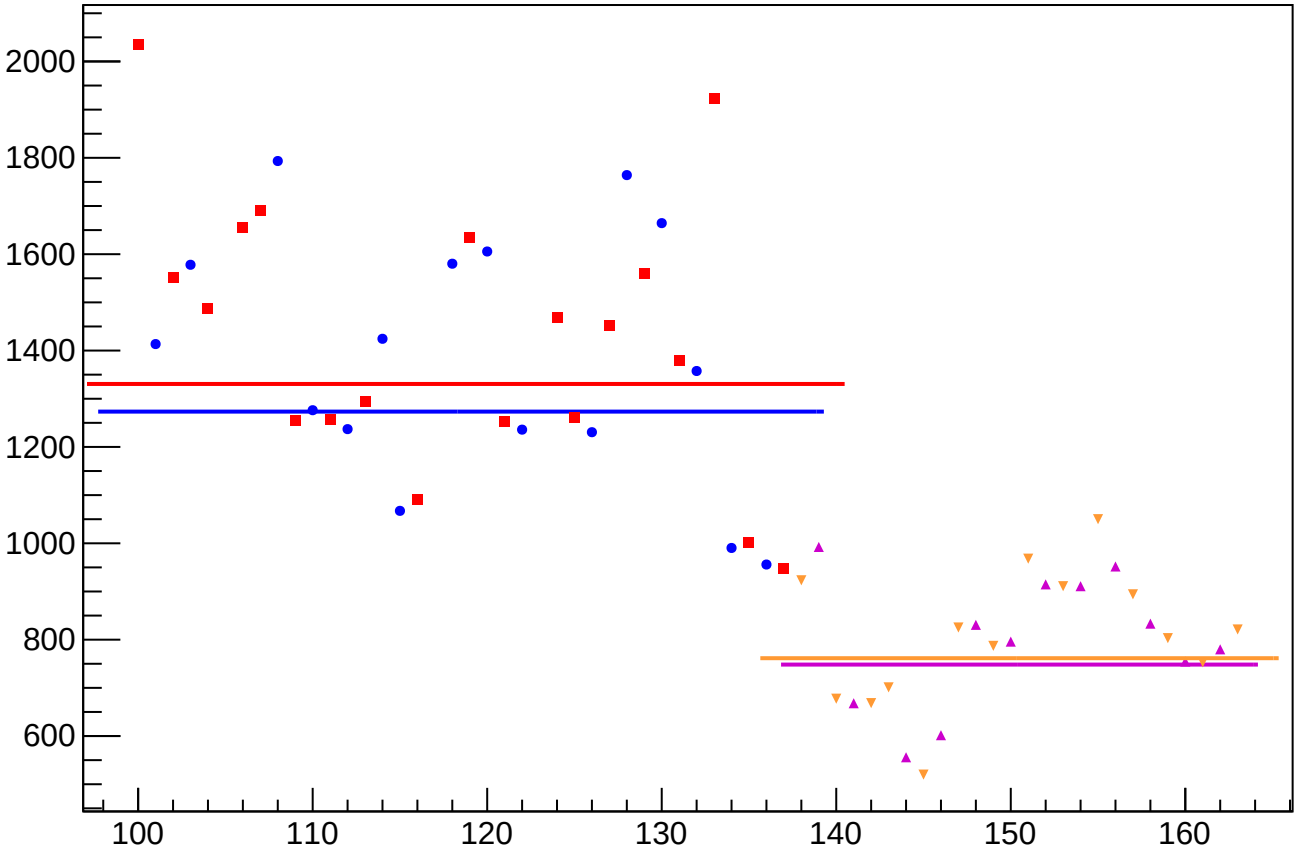
Left In: -188.543+/-237.306 χ^2/NDF:7.6/11

+ sign -1126.416+/-209.617 χ^2/NDF: 51.6/29

All: -746.633+/-149.780 χ^2/NDF: 79.9/60

- sign -350.450+/-214.095 χ^2/NDF: 21.6/30

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 761.556+/-0.164 χ^2/NDF:751820.0/13

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

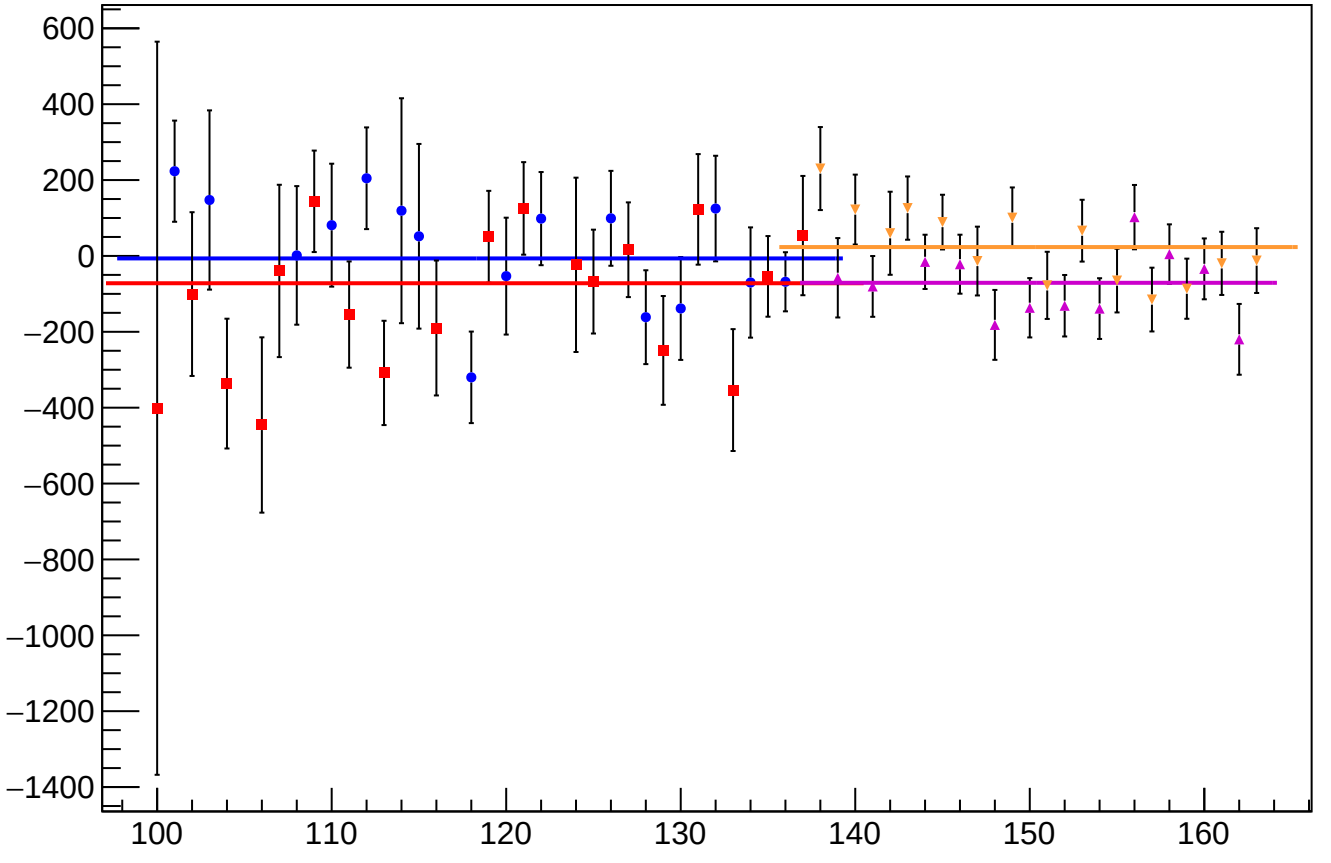
Left In: 748.310+/-0.168 χ^2/NDF:673514.2/11

+ sign 856.572+/-0.148 χ^2/NDF: 3151738.8/29

All: 856.617+/-0.106 χ^2/NDF: 6537009.9/60

- sign 856.663+/-0.151 χ^2/NDF: 3385270.9/30

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

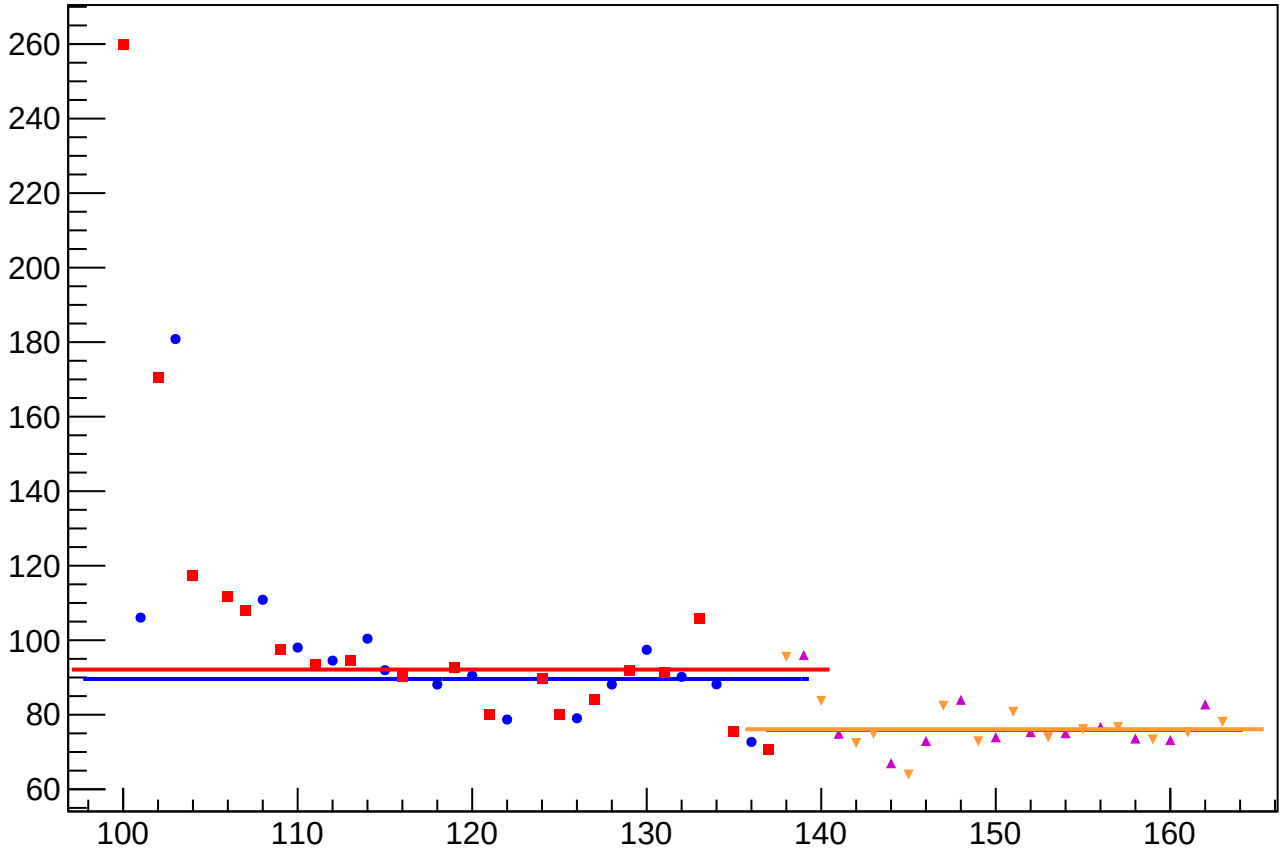
Left In: -70.860+/-23.771 χ^2/NDF:12.3/11

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -27.264+/-13.679 χ^2/NDF: 80.3/60

- sign -71.215+/-19.644 χ^2/NDF: 35.1/30

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

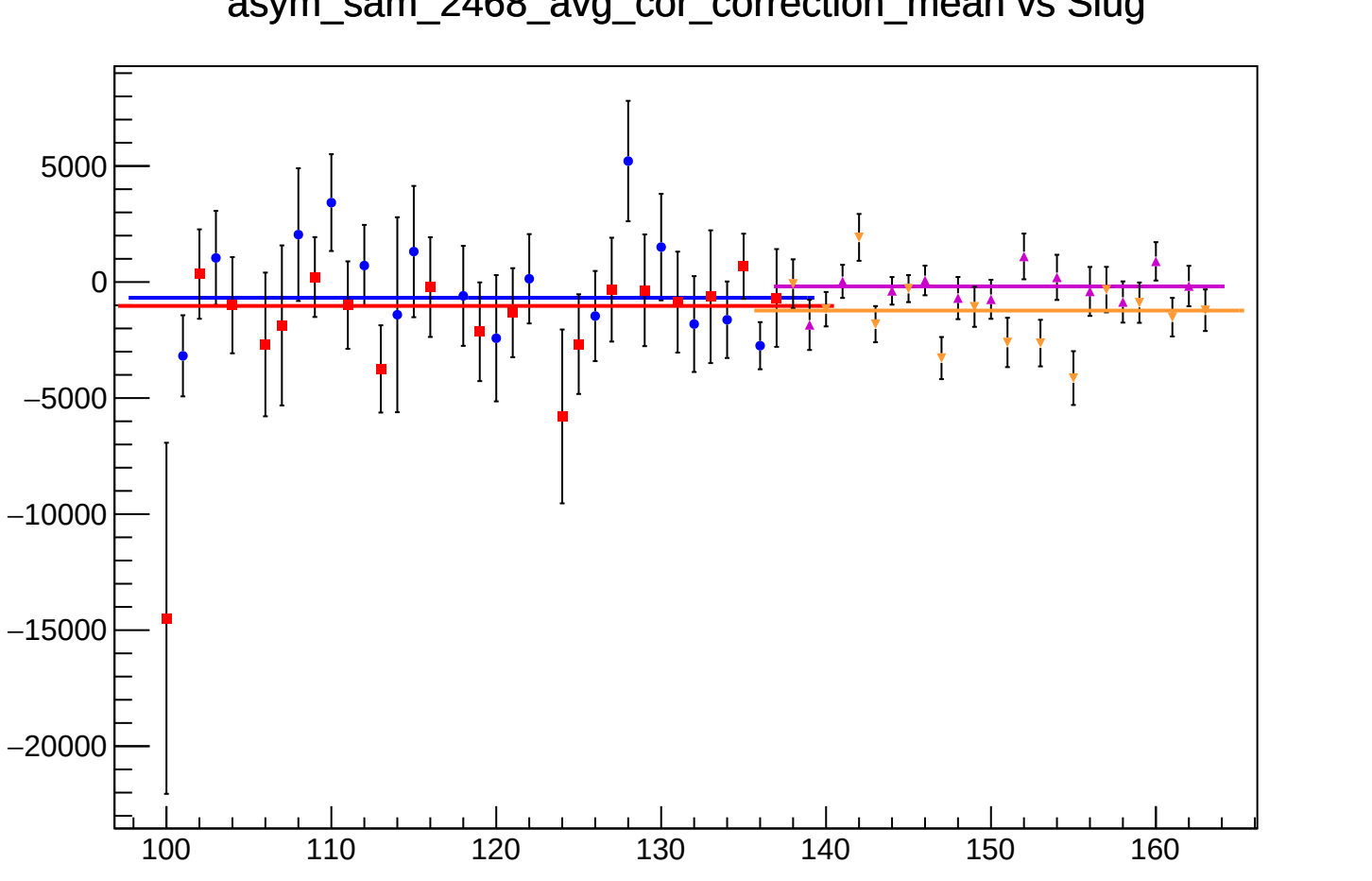
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

+ sign 80.277+/-0.013 χ^2/NDF: 872597.5/29

All: 80.652+/-0.010 χ^2/NDF: 1850048.5/60

- sign 81.051+/-0.014 χ^2/NDF: 975851.1/30



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

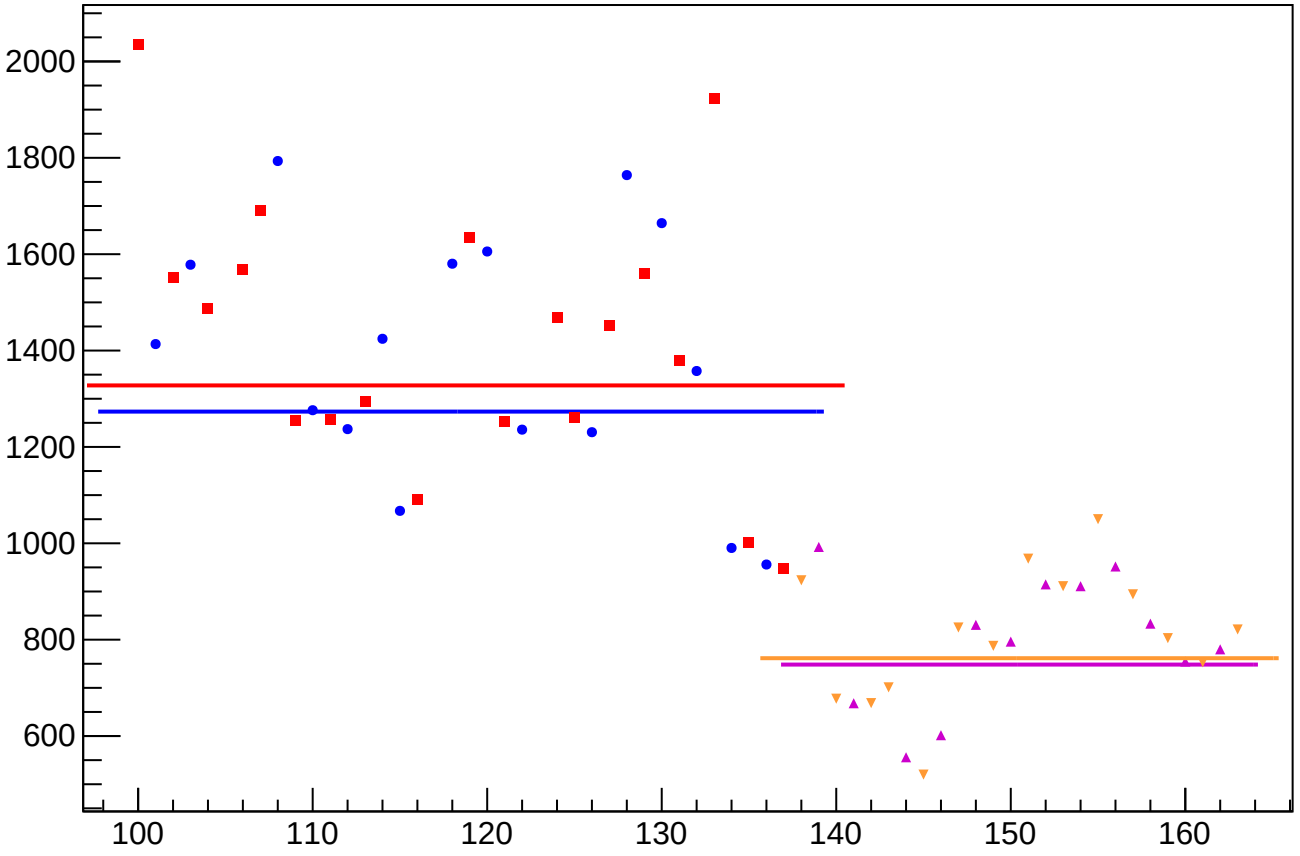
Left In: -188.545+/-237.306 χ^2/NDF:7.6/11

+ sign -1126.405+/-209.617 χ^2/NDF: 51.6/29

All: -743.884+/-149.798 χ^2/NDF: 79.4/60

- sign -344.646+/-214.149 χ^2/NDF: 21.0/30

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

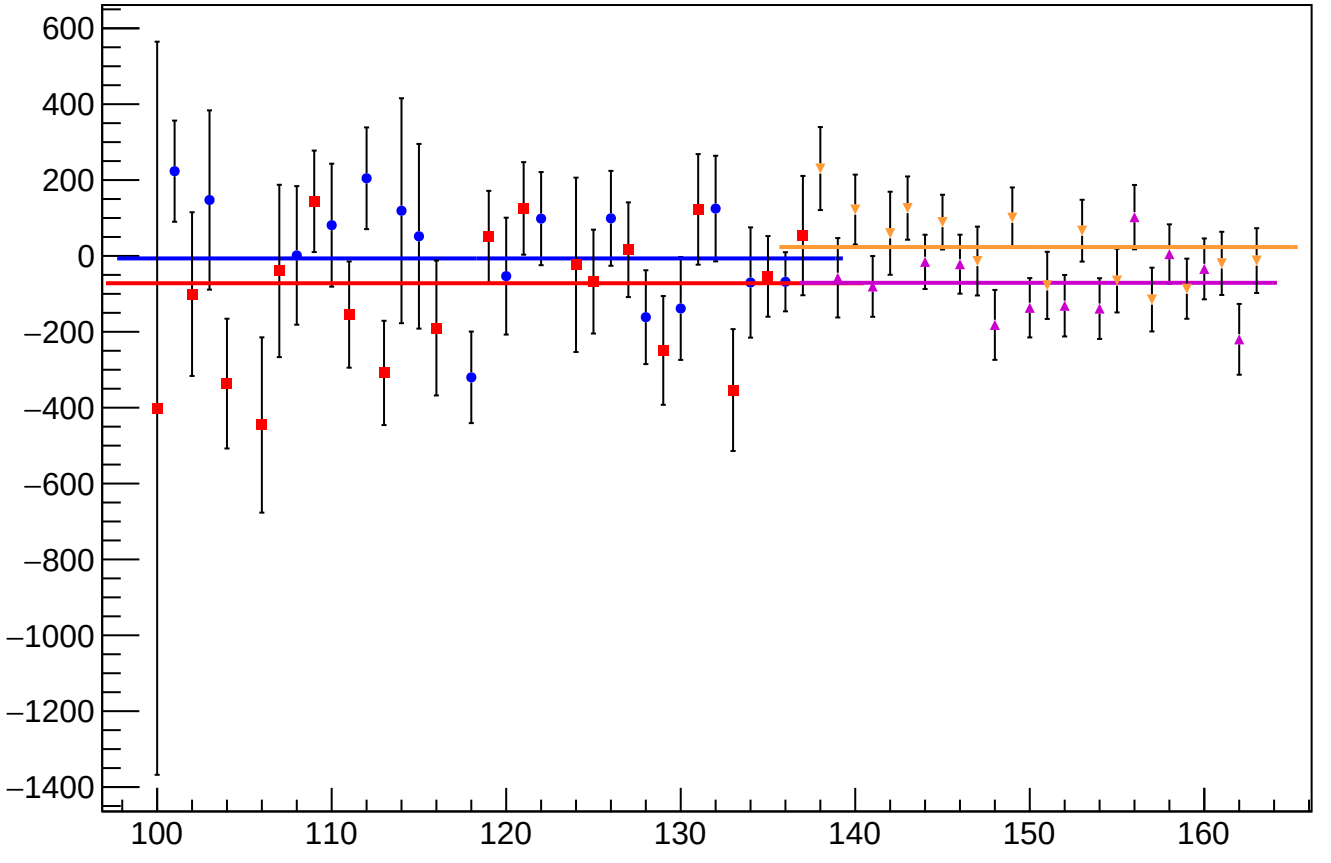
Left In: 748.310+/-0.168 χ^2/NDF:673511.8/11

+ sign 856.572+/-0.148 χ^2/NDF: 3151784.4/29

All: 856.226+/-0.106 χ^2/NDF: 6496790.3/60

- sign 855.865+/-0.151 χ^2/NDF: 3344994.7/30

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

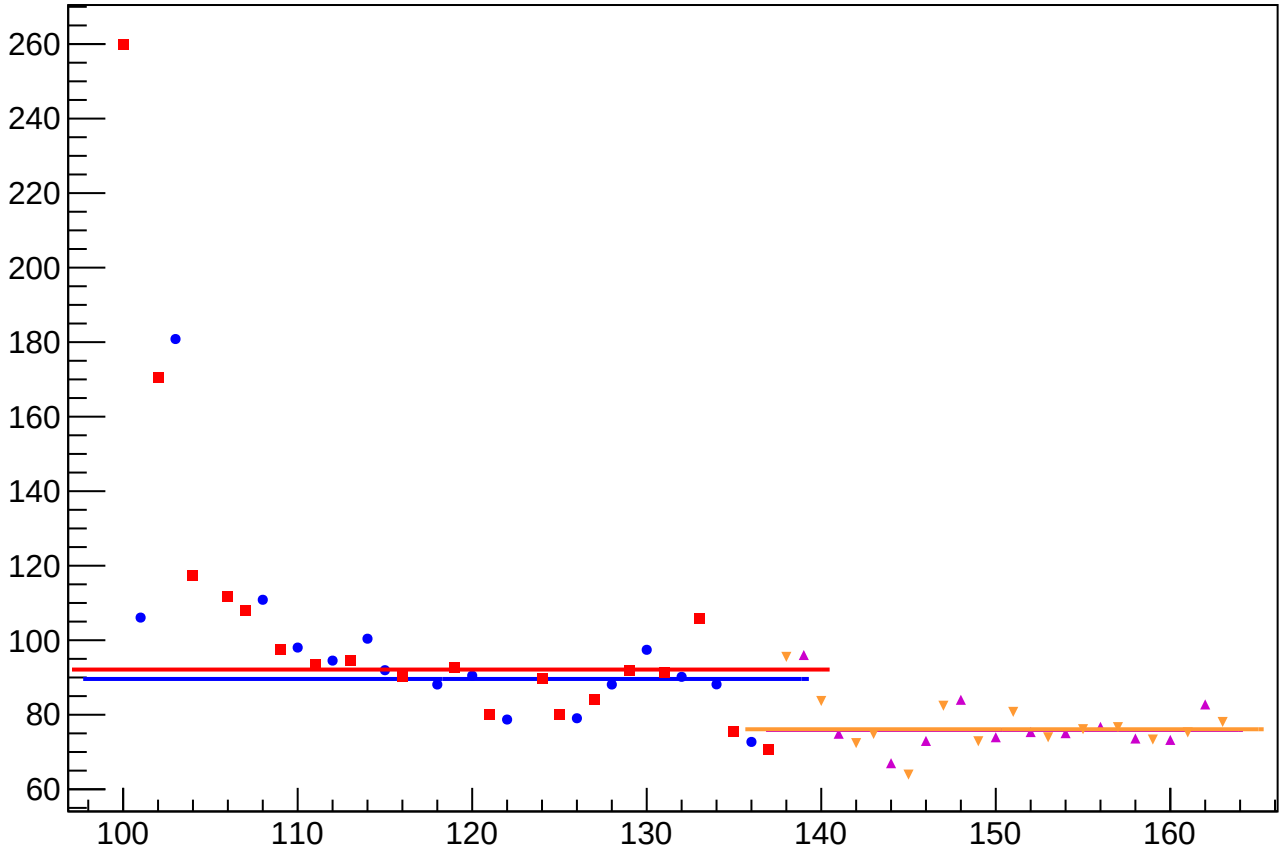
Left In: -70.860+/-23.771 χ^2/NDF:12.3/11

+ sign 14.110+/-19.059 χ^2/NDF: 35.5/29

All: -27.264+/-13.679 χ^2/NDF: 80.3/60

- sign -71.215+/-19.644 χ^2/NDF: 35.1/30

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

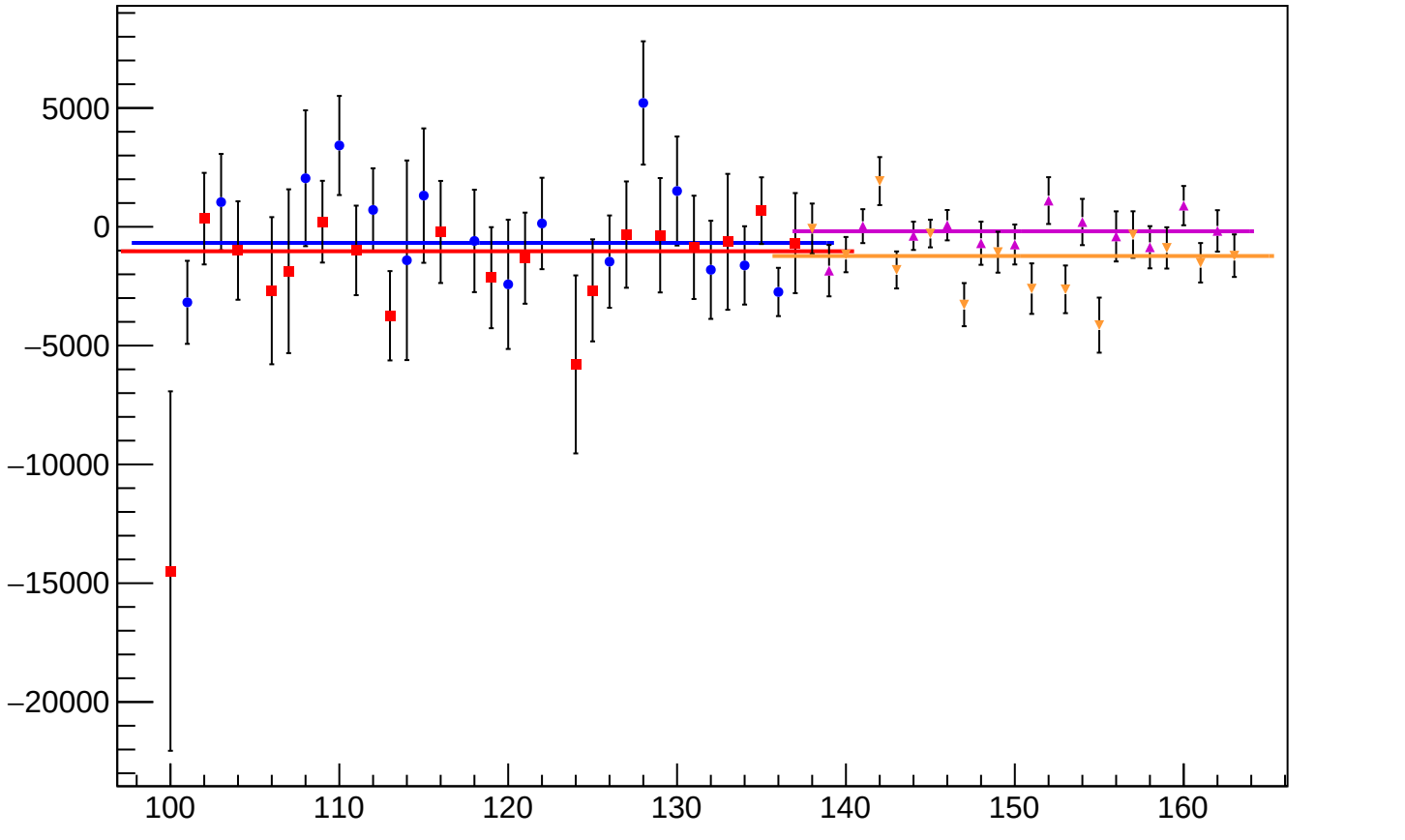
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

+ sign 80.277+/-0.013 χ^2/NDF: 872597.5/29

All: 80.652+/-0.010 χ^2/NDF: 1850048.5/60

- sign 81.051+/-0.014 χ^2/NDF: 975851.1/30



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

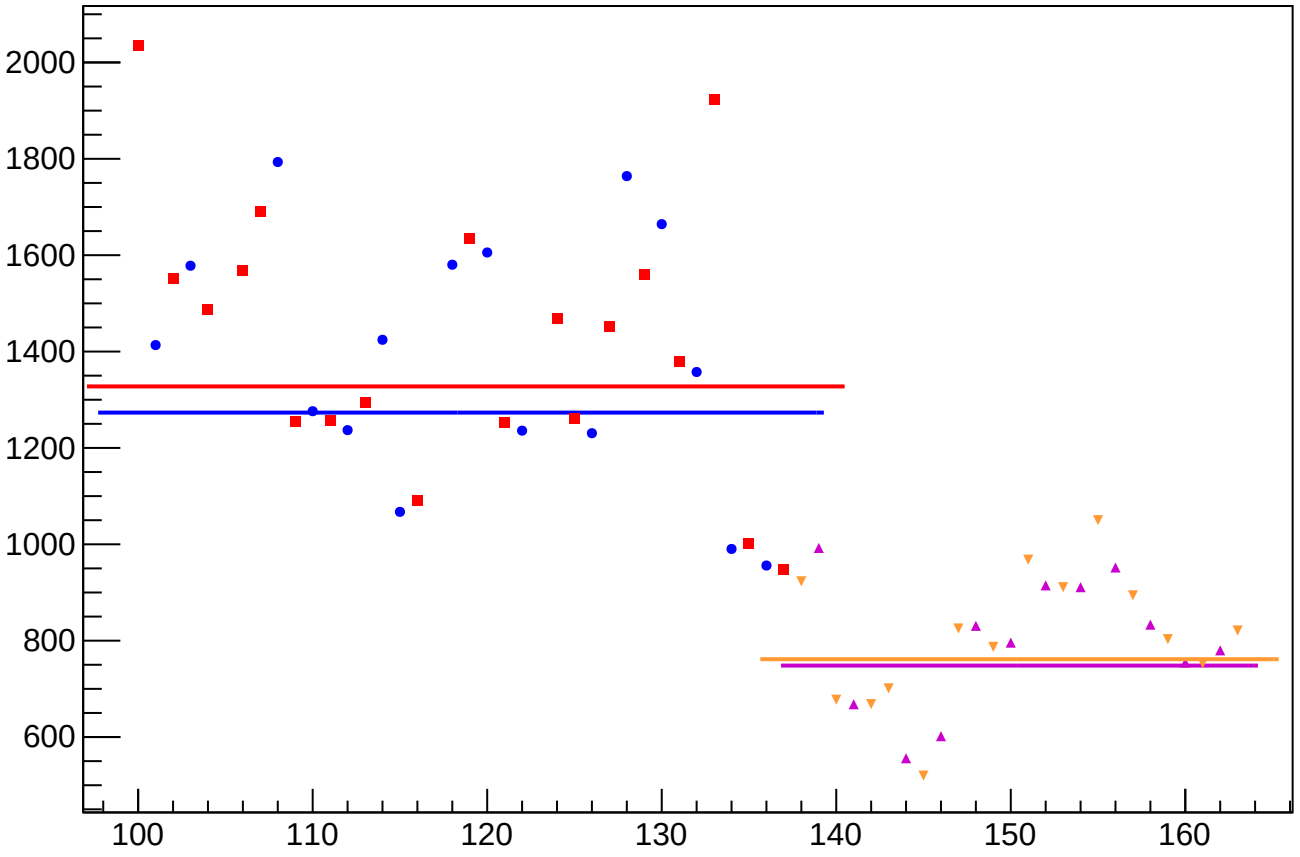
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: -188.545+/-237.306 χ^2/NDF:7.6/11

+ sign -1126.405+/-209.617 χ^2/NDF: 51.6/29

All: -743.884+/-149.798 χ^2/NDF: 79.4/60

- sign -344.646+/-214.149 χ^2/NDF: 21.0/30



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

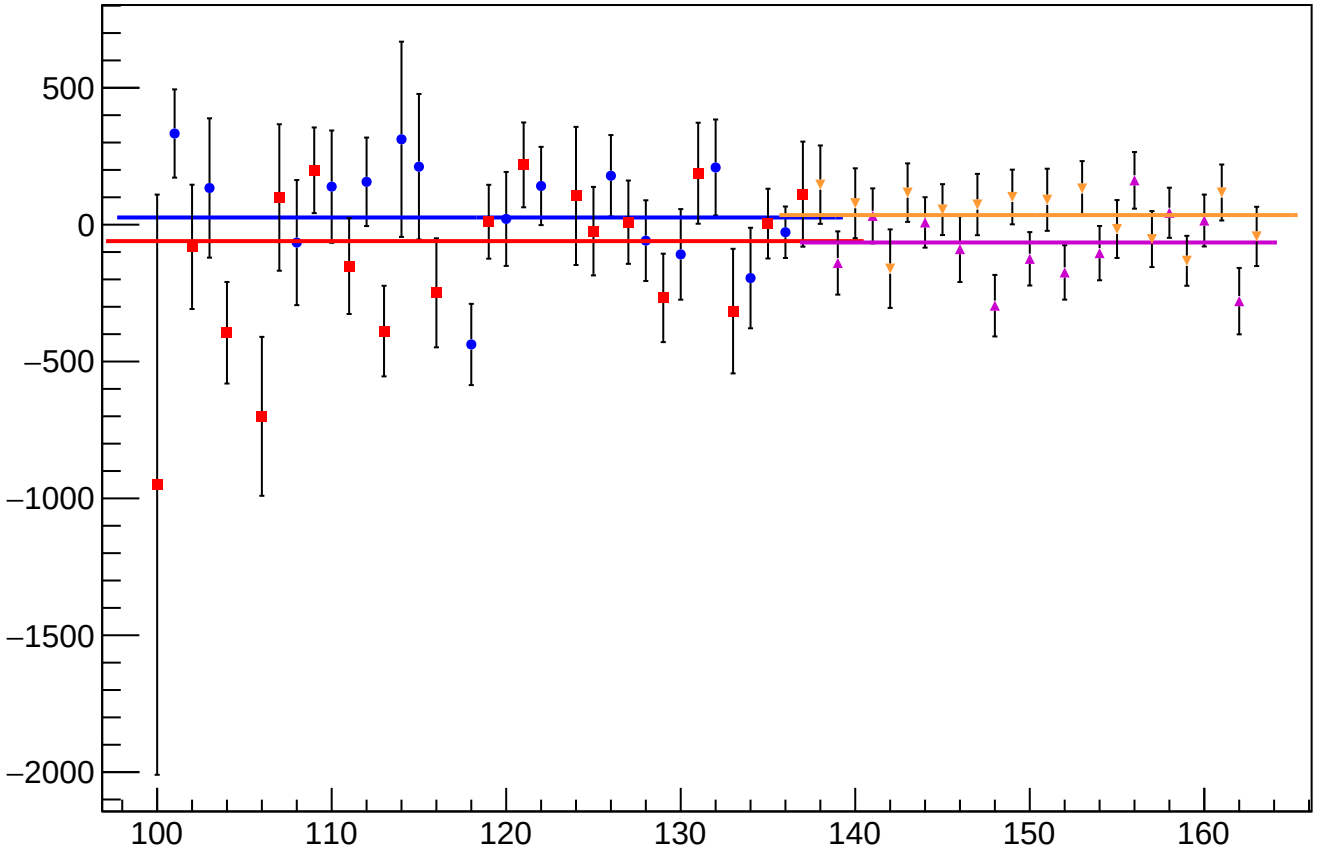
Left In: 748.310+/-0.168 χ^2/NDF:673511.8/11

+ sign 856.572+/-0.148 χ^2/NDF: 3151784.4/29

All: 856.226+/-0.106 χ^2/NDF: 6496790.3/60

- sign 855.865+/-0.151 χ^2/NDF: 3344994.7/30

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 35.029+/-28.803 χ^2/NDF:10.4/13

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

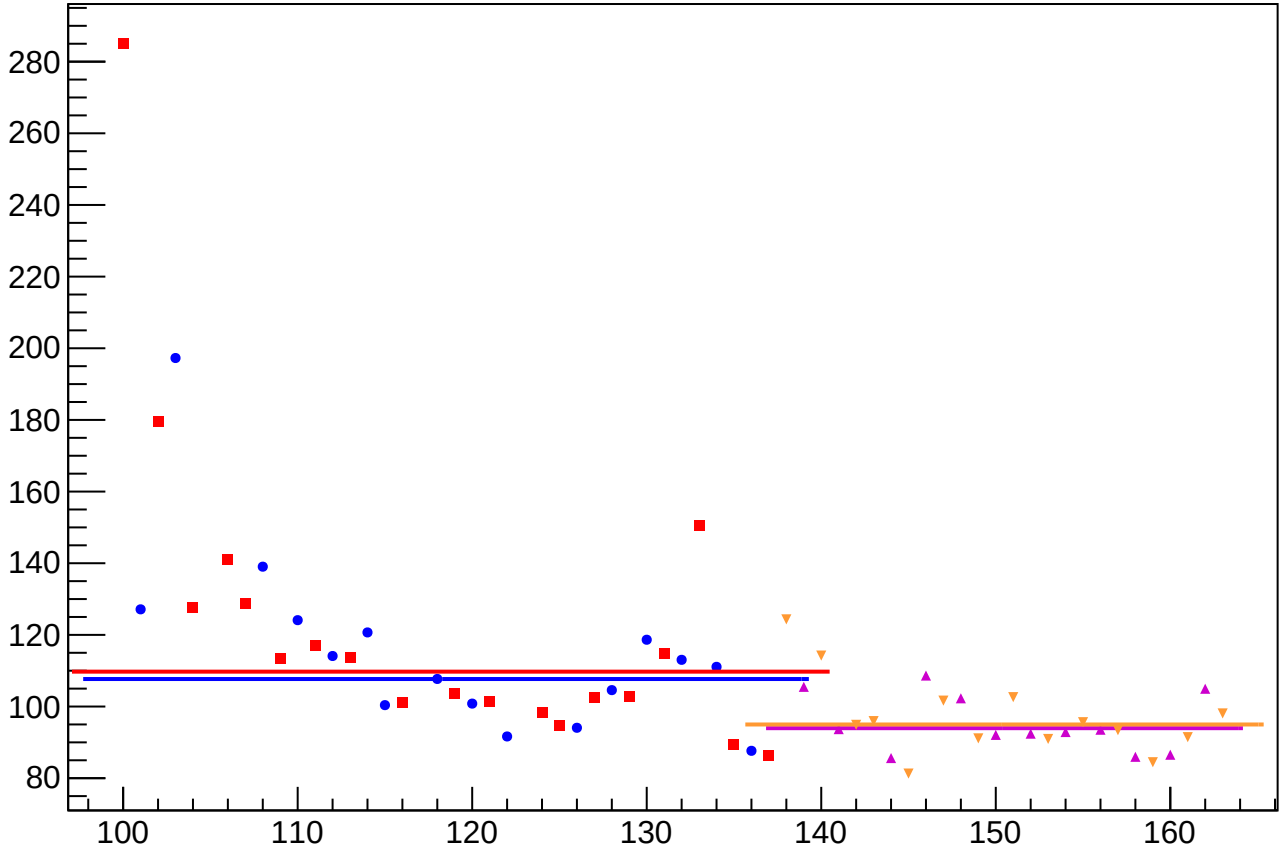
Left In: -65.099+/-29.616 χ^2/NDF:18.0/11

+ sign 32.149+/-23.610 χ^2/NDF: 31.8/29

All: -14.628+/-16.870 χ^2/NDF: 84.9/60

- sign -63.420+/-24.113 χ^2/NDF: 45.1/30

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.991+/-0.020 χ^2/NDF:226605.6/13

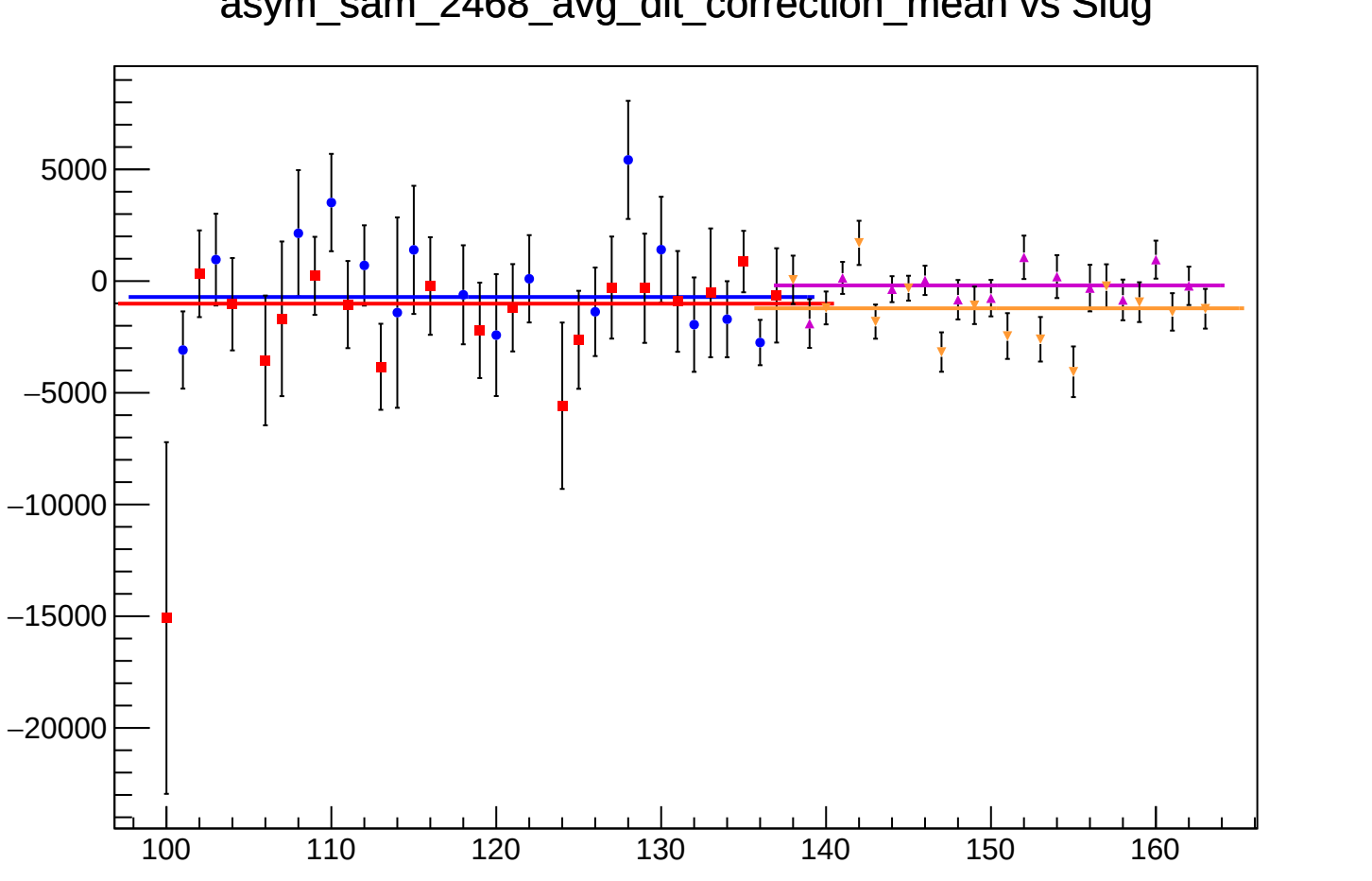
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.959+/-0.021 χ^2/NDF:122513.5/11

+ sign 99.154+/-0.017 χ^2/NDF: 837082.3/29

All: 99.215+/-0.012 χ^2/NDF: 1642830.6/60

- sign 99.279+/-0.017 χ^2/NDF: 805720.6/30



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1217.871+/-228.791 χ^2/NDF:29.2/13

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

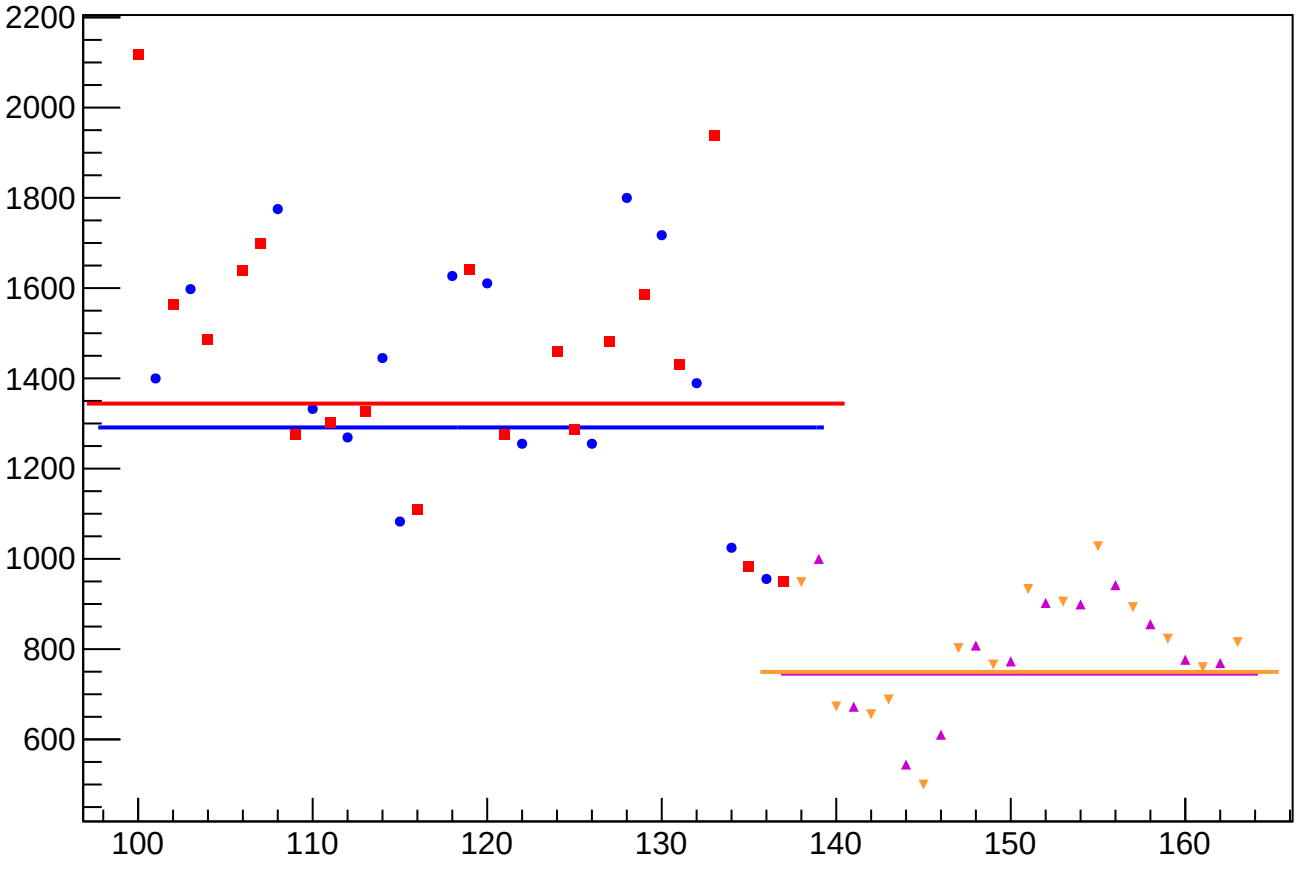
Left In: -193.455+/-236.607 χ^2/NDF:8.1/11

+ sign -1128.461+/-207.551 χ^2/NDF: 50.1/29

All: -747.355+/-148.981 χ^2/NDF: 79.1/60

- sign -342.284+/-213.977 χ^2/NDF: 22.0/30

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 749.548+/-0.162 χ^2/NDF:831976.7/13

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

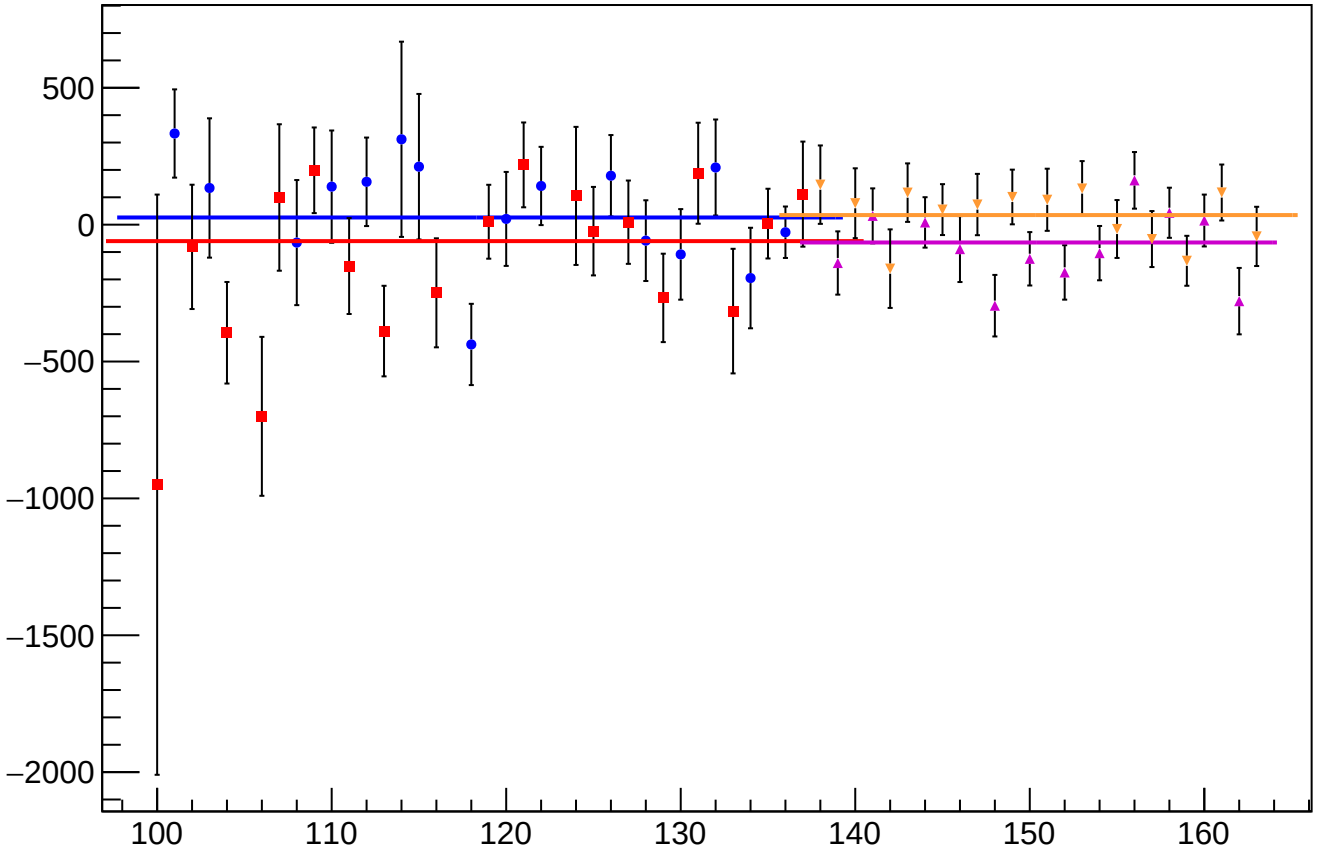
Left In: 745.733+/-0.167 χ^2/NDF:674182.0/11

+ sign 845.455+/-0.147 χ^2/NDF: 3427774.7/29

All: 849.948+/-0.105 χ^2/NDF: 6924800.2/60

- sign 854.724+/-0.151 χ^2/NDF: 3495091.7/30

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 35.031+/-28.803 χ^2/NDF:10.4/13

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

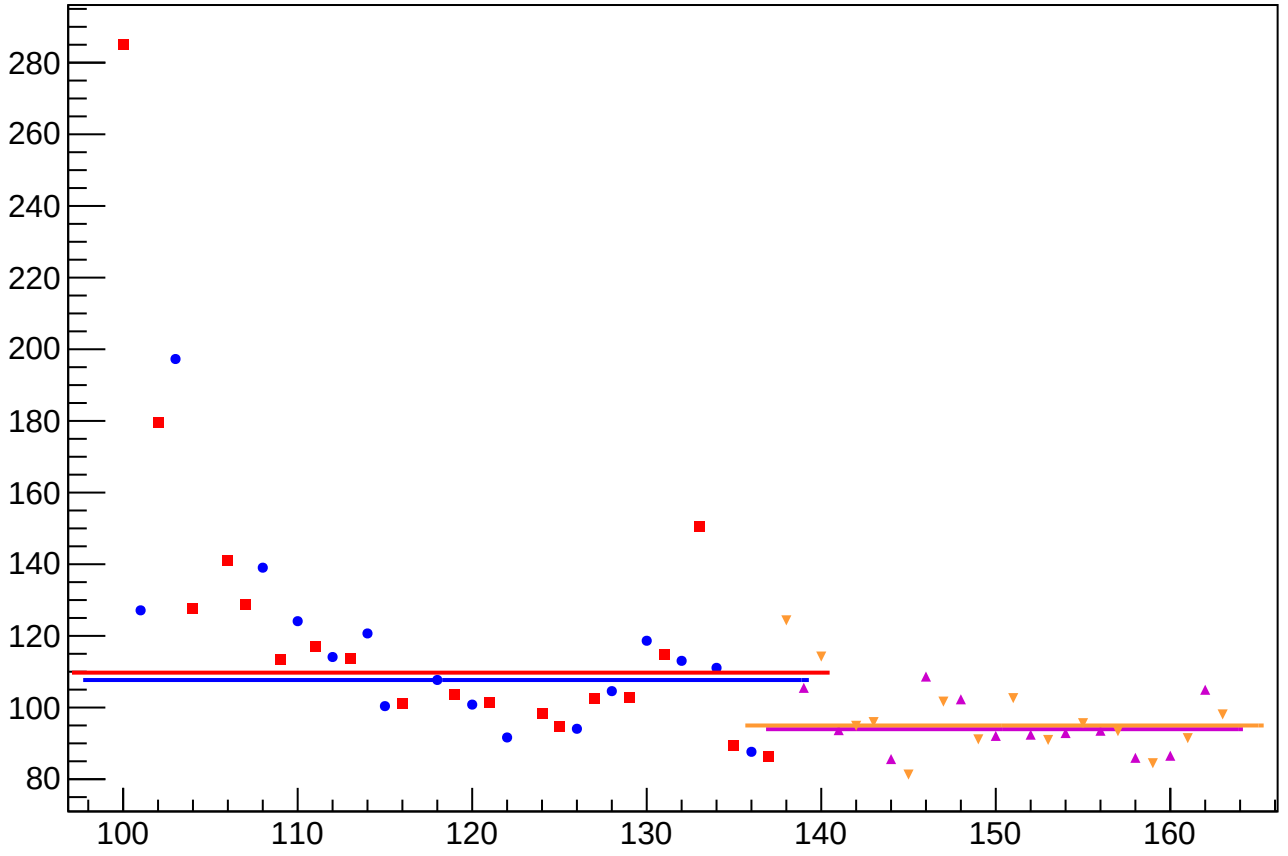
Left In: -65.097+/-29.617 χ^2/NDF:18.0/11

+ sign 32.151+/-23.610 χ^2/NDF: 31.8/29

All: -14.627+/-16.870 χ^2/NDF: 84.9/60

- sign -63.418+/-24.113 χ^2/NDF: 45.1/30

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.991+/-0.020 χ^2/NDF:226598.4/13

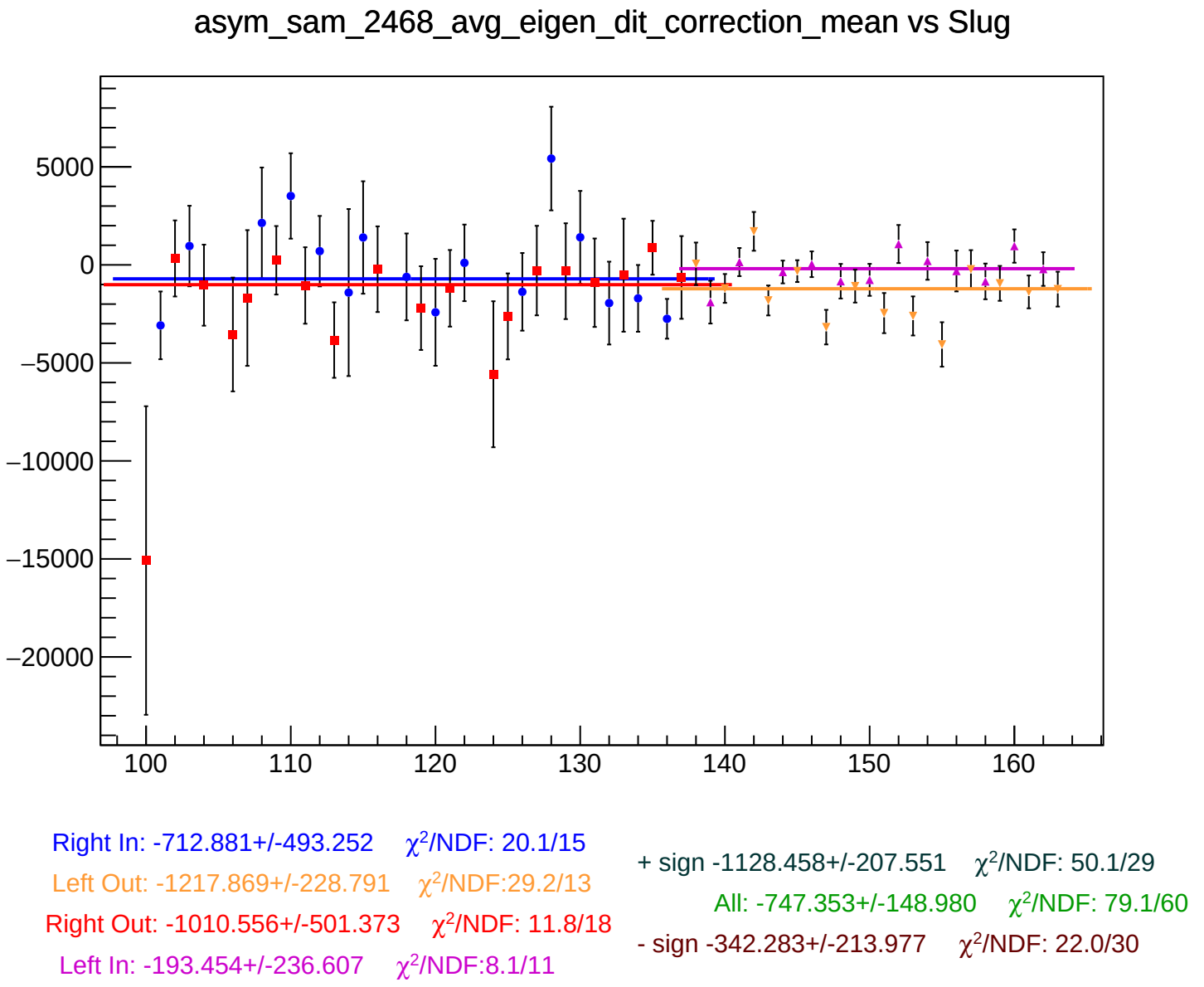
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

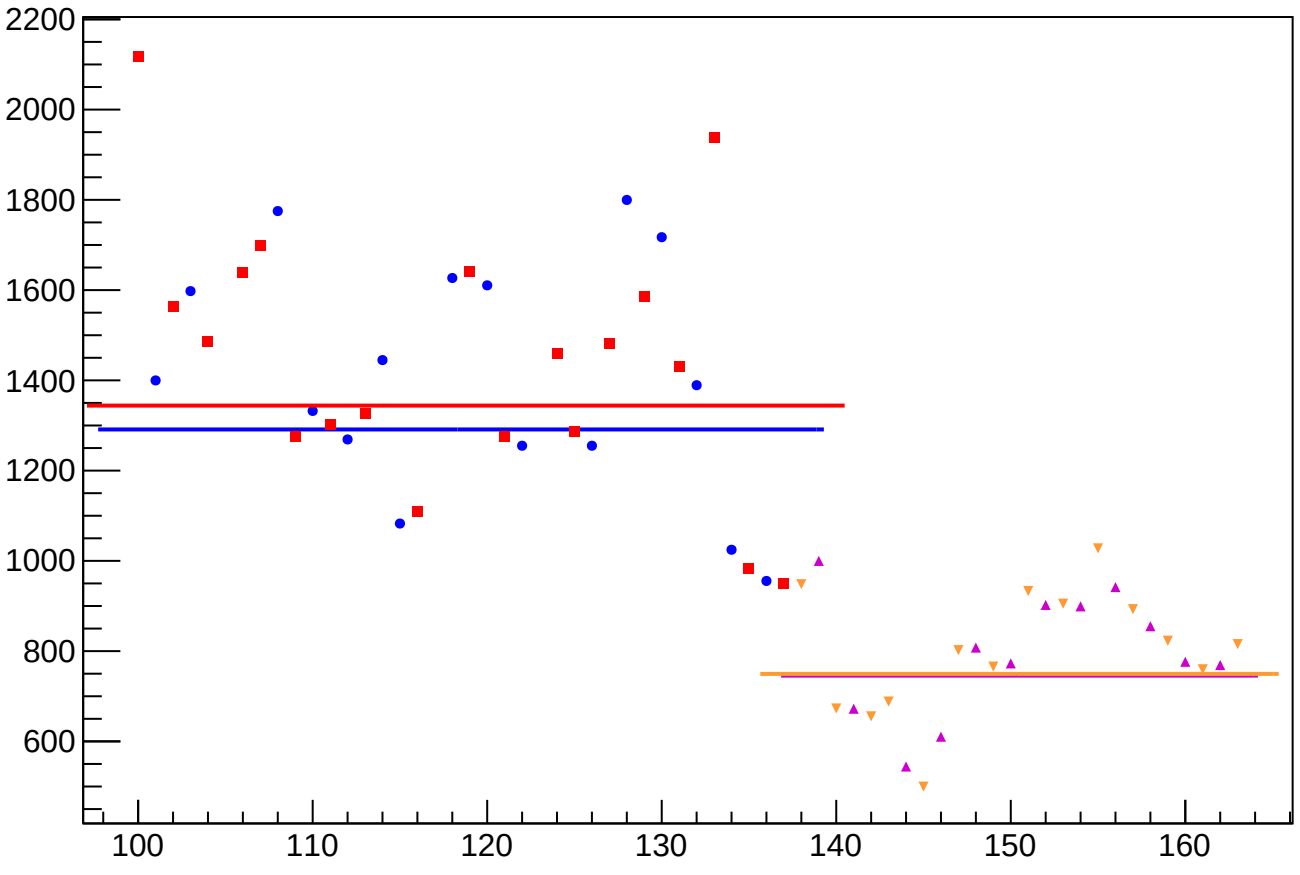
Left In: 93.960+/-0.021 χ^2/NDF:122516.5/11

+ sign 99.154+/-0.017 χ^2/NDF: 837040.5/29

All: 99.215+/-0.012 χ^2/NDF: 1642768.2/60

- sign 99.279+/-0.017 χ^2/NDF: 805700.0/30


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -712.881+/-493.252 χ²/NDF: 20.1/15
Left Out: -1217.869+/-228.791 χ²/NDF:29.2/13
Right Out: -1010.556+/-501.373 χ²/NDF: 11.8/18
Left In: -193.454+/-236.607 χ²/NDF:8.1/11
+ sign -1128.458+/-207.551 χ²/NDF: 50.1/29
All: -747.353+/-148.980 χ²/NDF: 79.1/60
- sign -342.283+/-213.977 χ²/NDF: 22.0/30



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 749.546+/-0.162 χ^2/NDF:831985.0/13

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

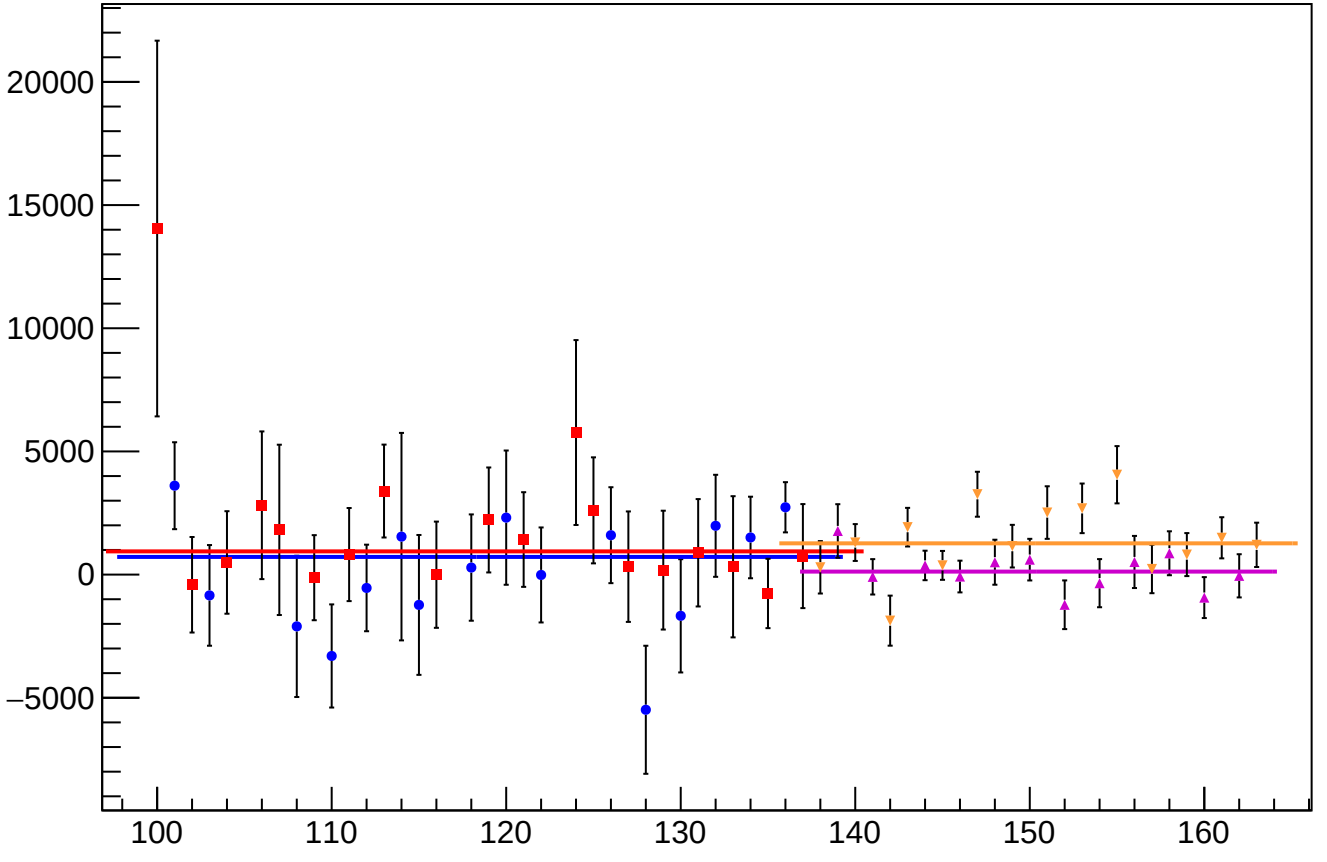
Left In: 745.732+/-0.167 χ^2/NDF:674181.9/11

+ sign 845.453+/-0.147 χ^2/NDF: 3427779.8/29

All: 849.947+/-0.105 χ^2/NDF: 6924800.0/60

- sign 854.723+/-0.151 χ^2/NDF: 3495086.3/30

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1268.961+/-233.558 χ^2/NDF:28.8/13

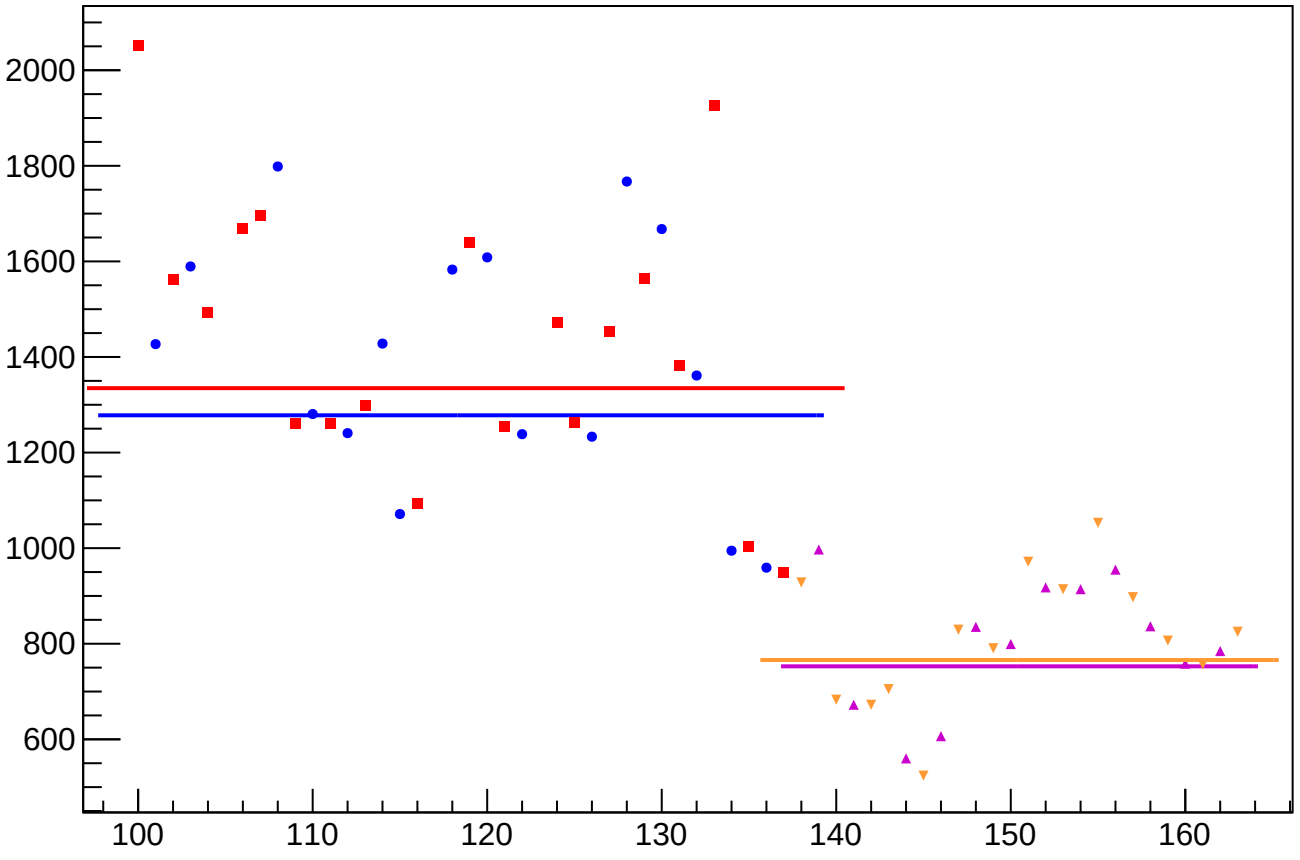
Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 121.757+/-238.643 χ^2/NDF:7.7/11

+ sign 1166.289+/-210.692 χ^2/NDF: 50.8/29

All: 730.090+/-150.555 χ^2/NDF: 80.1/60

- sign 274.970+/-215.213 χ^2/NDF: 20.5/30



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 765.938+/-0.165 χ^2/NDF:740177.7/13

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

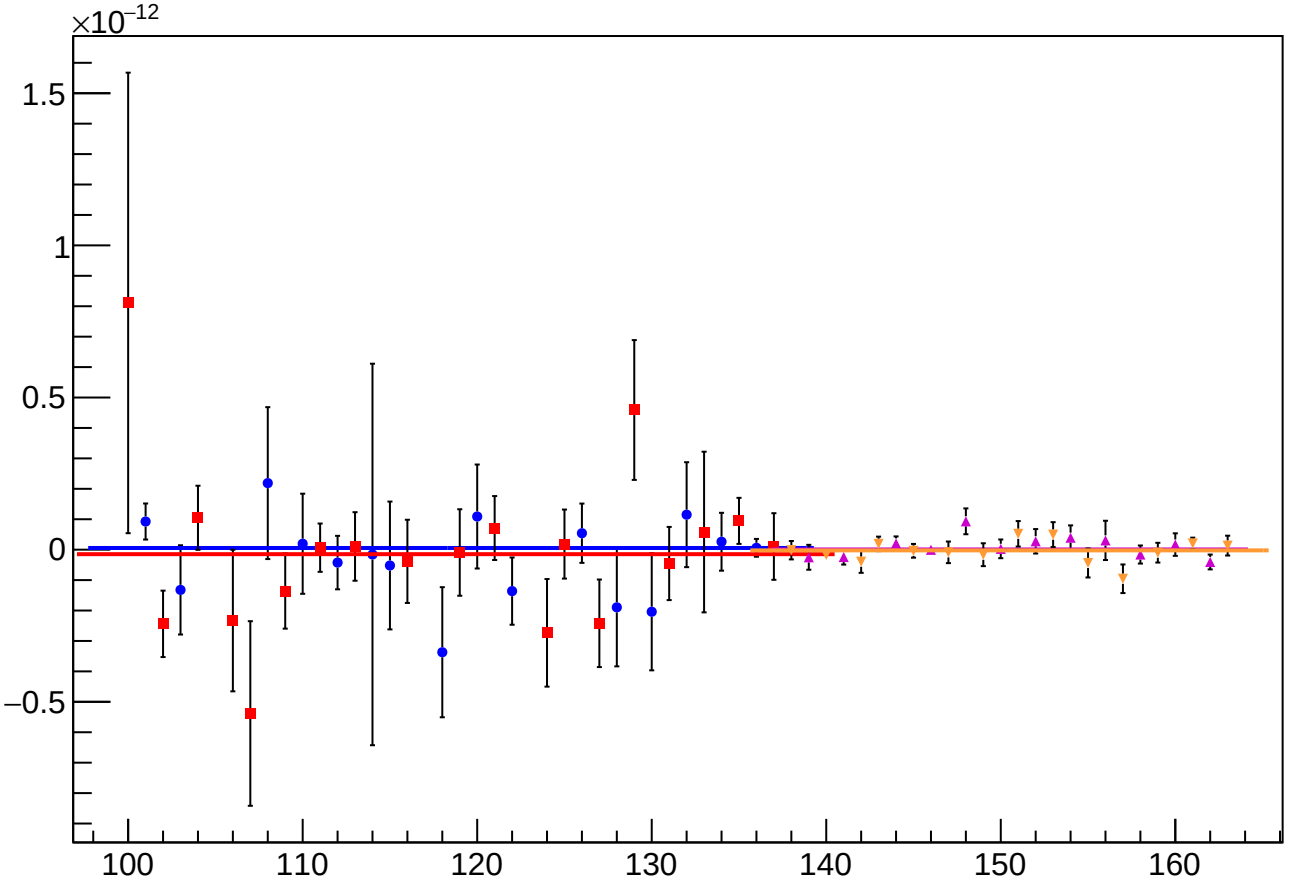
Left In: 752.741+/-0.169 χ^2/NDF:662801.4/11

+ sign 861.291+/-0.149 χ^2/NDF: 3127959.8/29

All: 861.353+/-0.106 χ^2/NDF: 6484013.8/60

- sign 861.418+/-0.152 χ^2/NDF: 3356053.6/30

asym_sam_2468_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:12.6/13

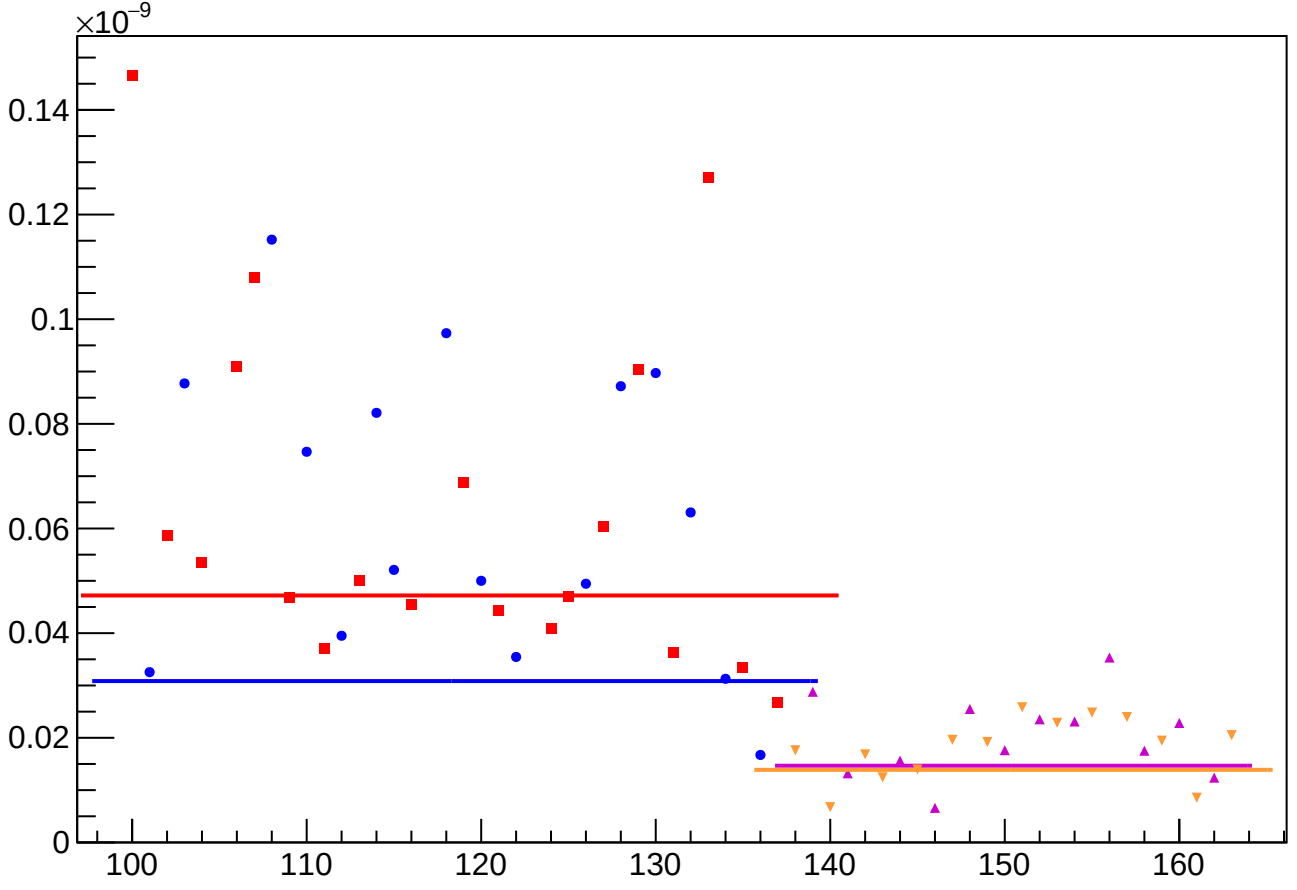
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/11

+ sign -0.000+/-0.000 χ^2/NDF: 24.4/29

All: -0.000+/-0.000 χ^2/NDF: 60.2/60

- sign -0.000+/-0.000 χ^2/NDF: 35.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336917.5/13

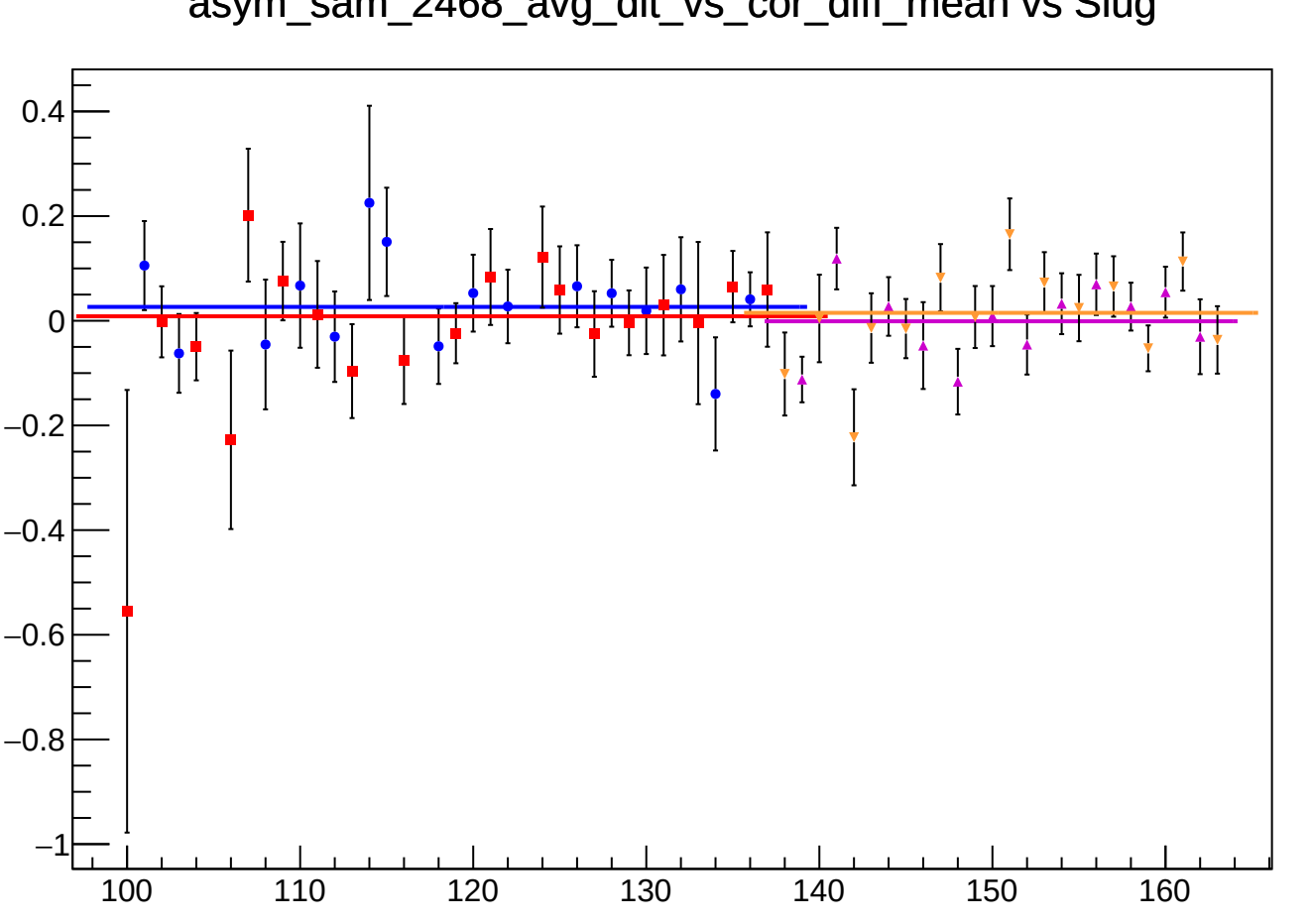
Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1535287.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 4355315.7/29

All: 0.000+/-0.000 χ^2/NDF: 9041853.1/60

- sign 0.000+/-0.000 χ^2/NDF: 4652223.6/30



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

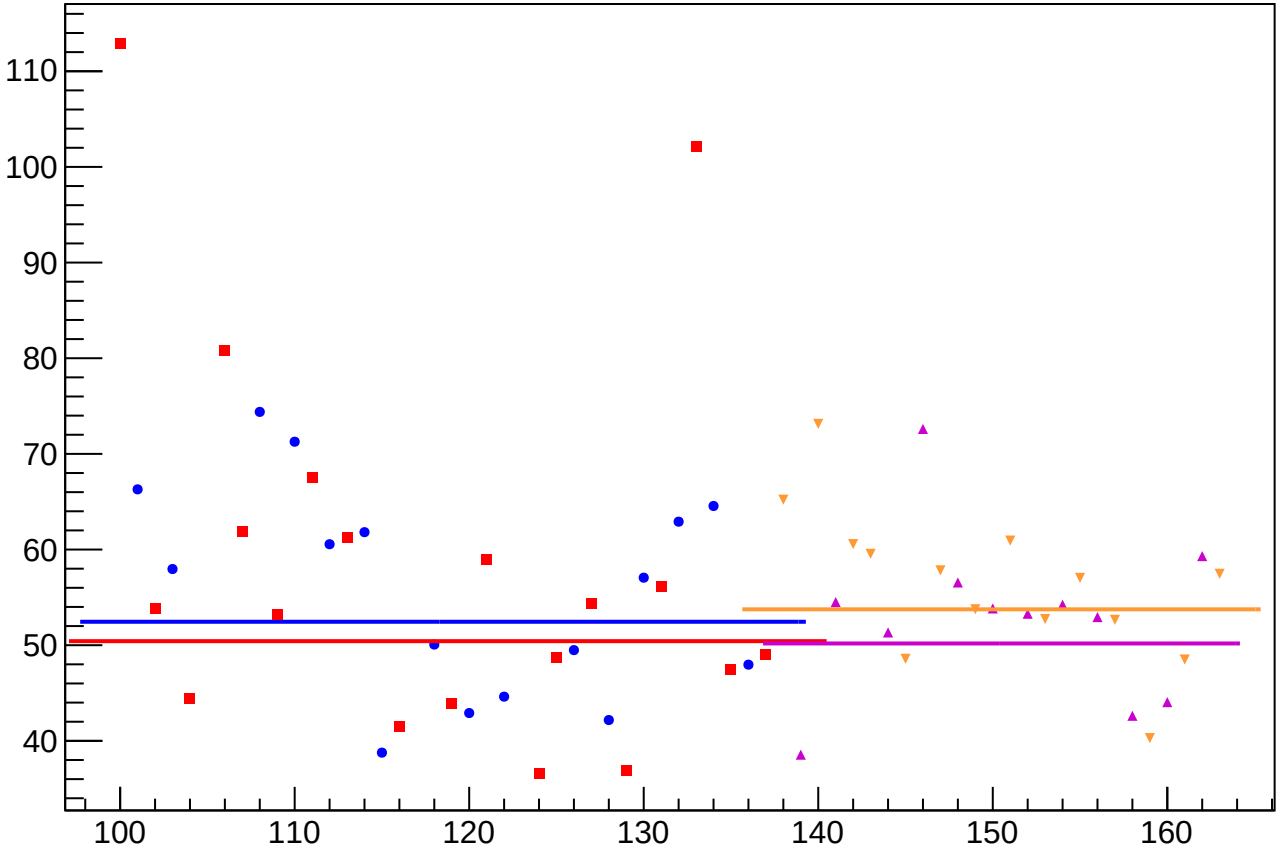
Left In: -0.001+/-0.016 χ^2/NDF:18.9/11

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.011+/-0.009 χ^2/NDF: 67.2/60

- sign 0.003+/-0.012 χ^2/NDF: 33.0/30

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

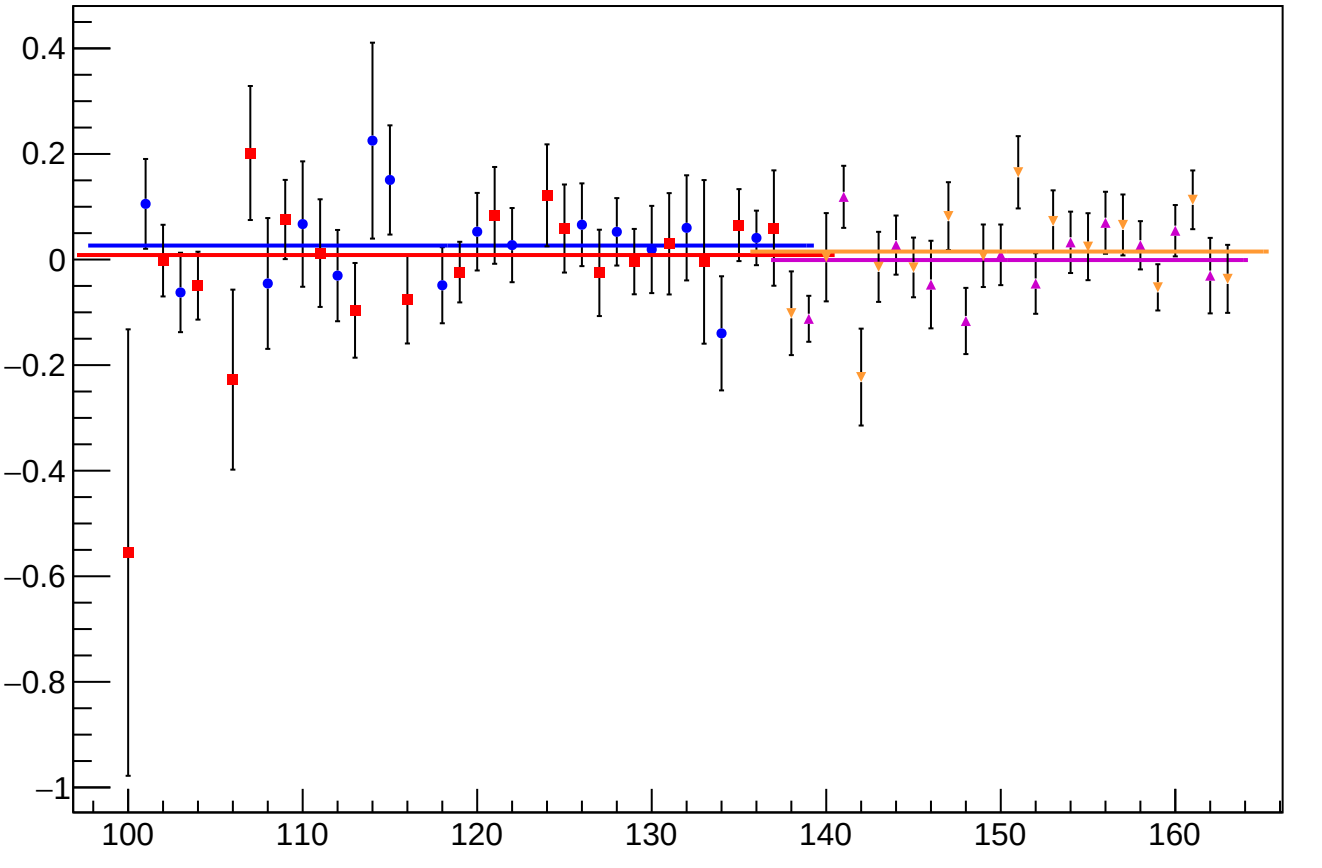
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.182+/-0.011 χ^2/NDF:468344.1/11

+ sign 53.233+/-0.009 χ^2/NDF: 865437.3/29

All: 51.706+/-0.006 χ^2/NDF: 2065121.8/60

- sign 50.280+/-0.009 χ^2/NDF: 1145272.6/30



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

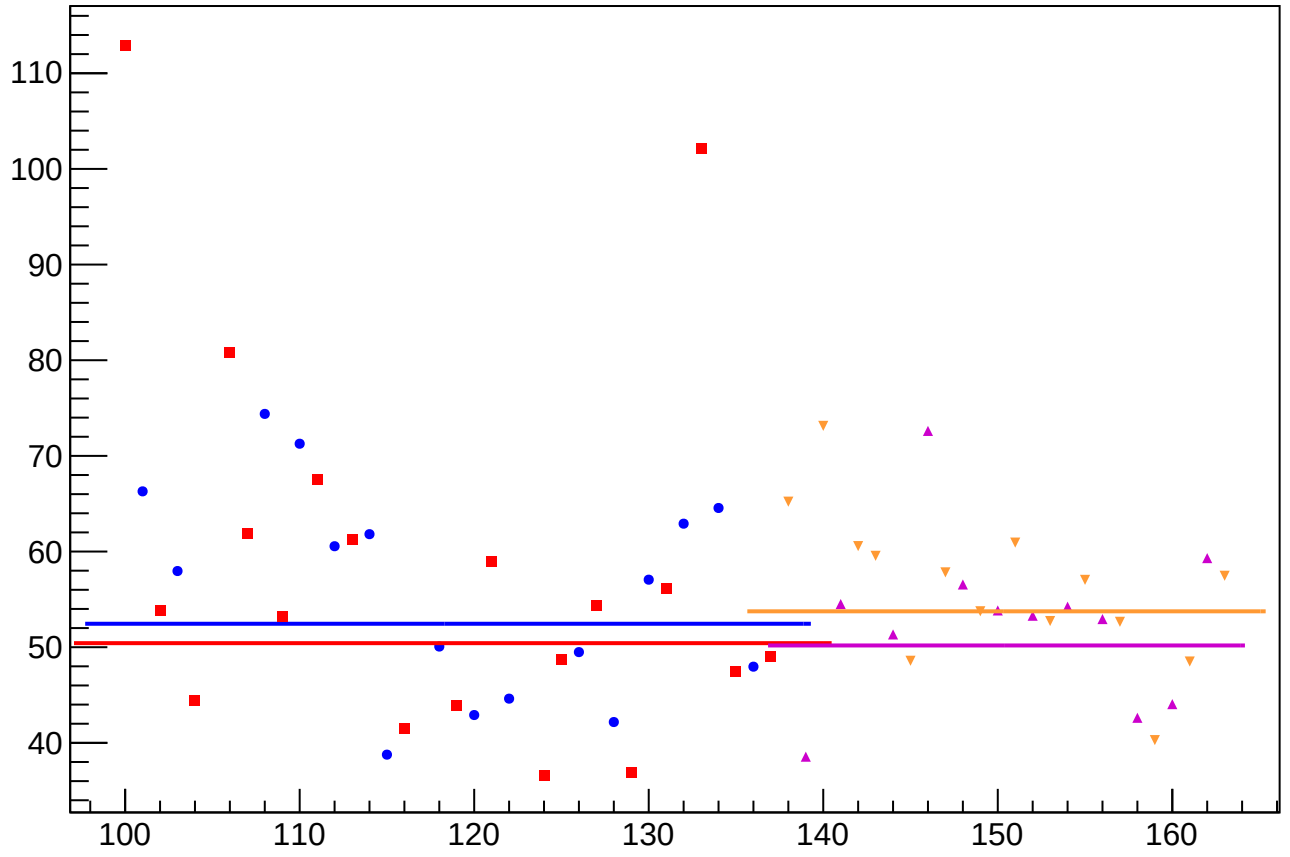
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.016 χ^2/NDF:18.9/11

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.011+/-0.009 χ^2/NDF: 67.2/60

- sign 0.003+/-0.012 χ^2/NDF: 33.0/30



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

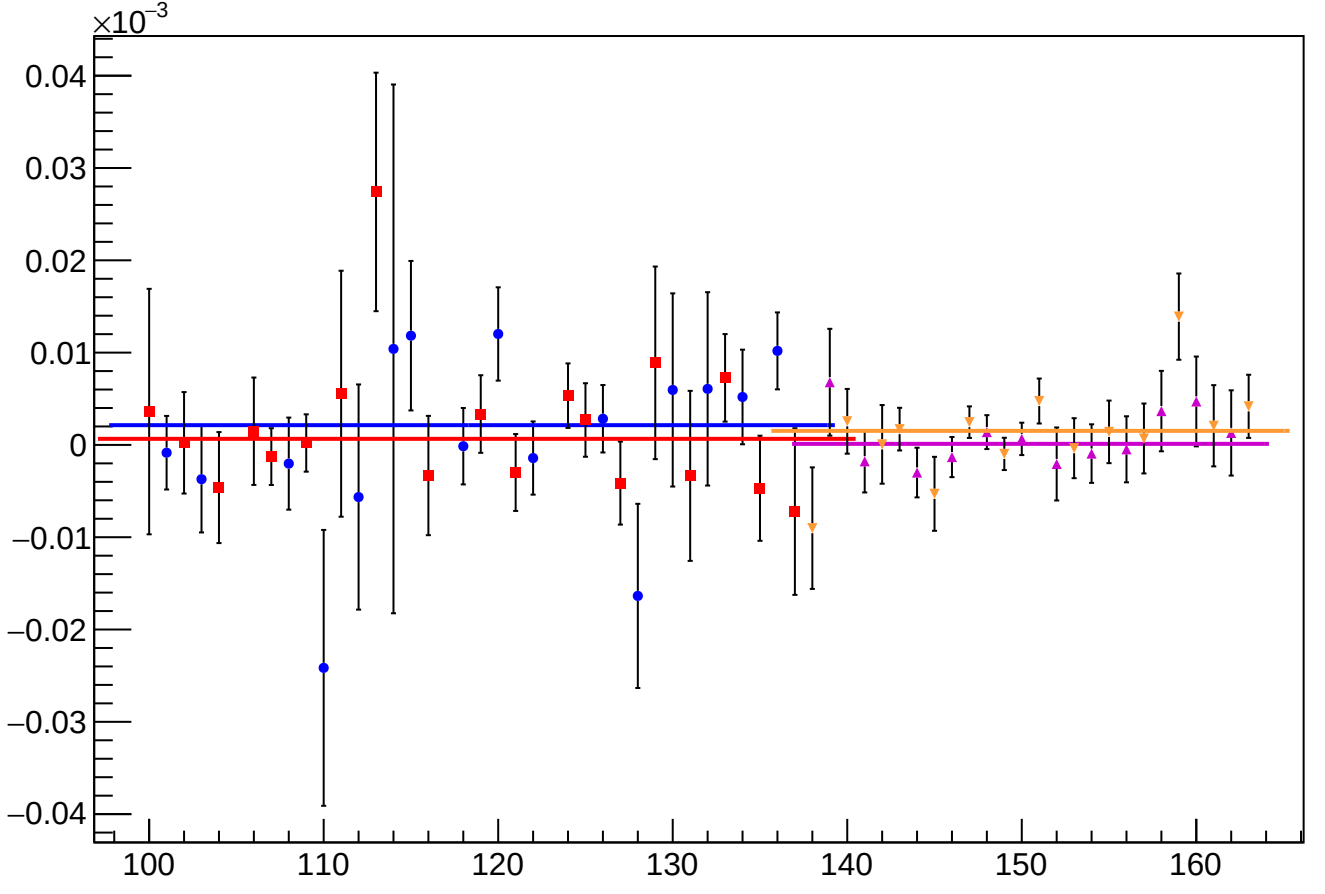
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.182+/-0.011 χ^2/NDF:468344.1/11

+ sign 53.233+/-0.009 χ^2/NDF: 865437.3/29

All: 51.706+/-0.006 χ^2/NDF: 2065121.8/60

- sign 50.280+/-0.009 χ^2/NDF: 1145272.6/30



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/13

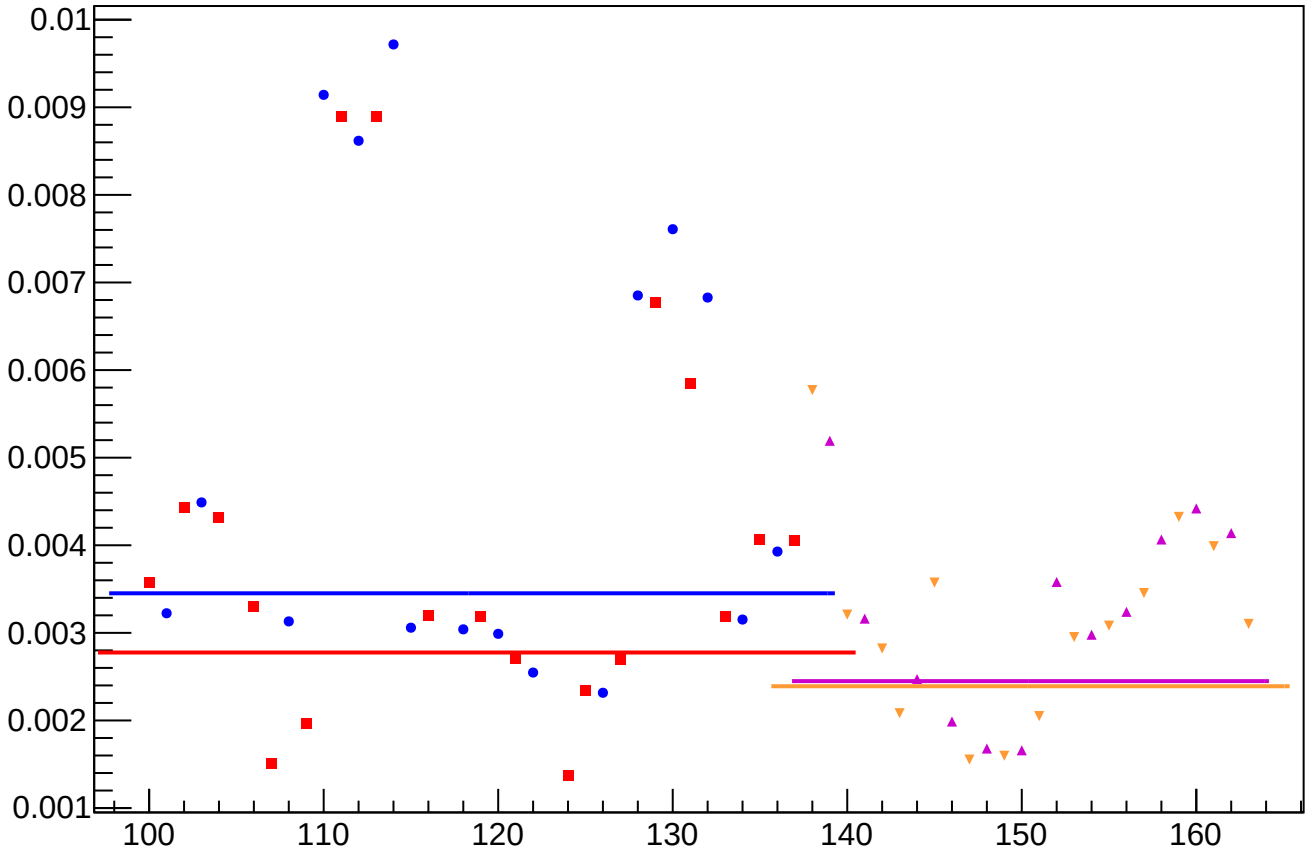
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 38.0/29

All: 0.000+/-0.000 χ^2/NDF: 61.1/60

- sign 0.000+/-0.000 χ^2/NDF: 21.0/30



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2791444.5/13

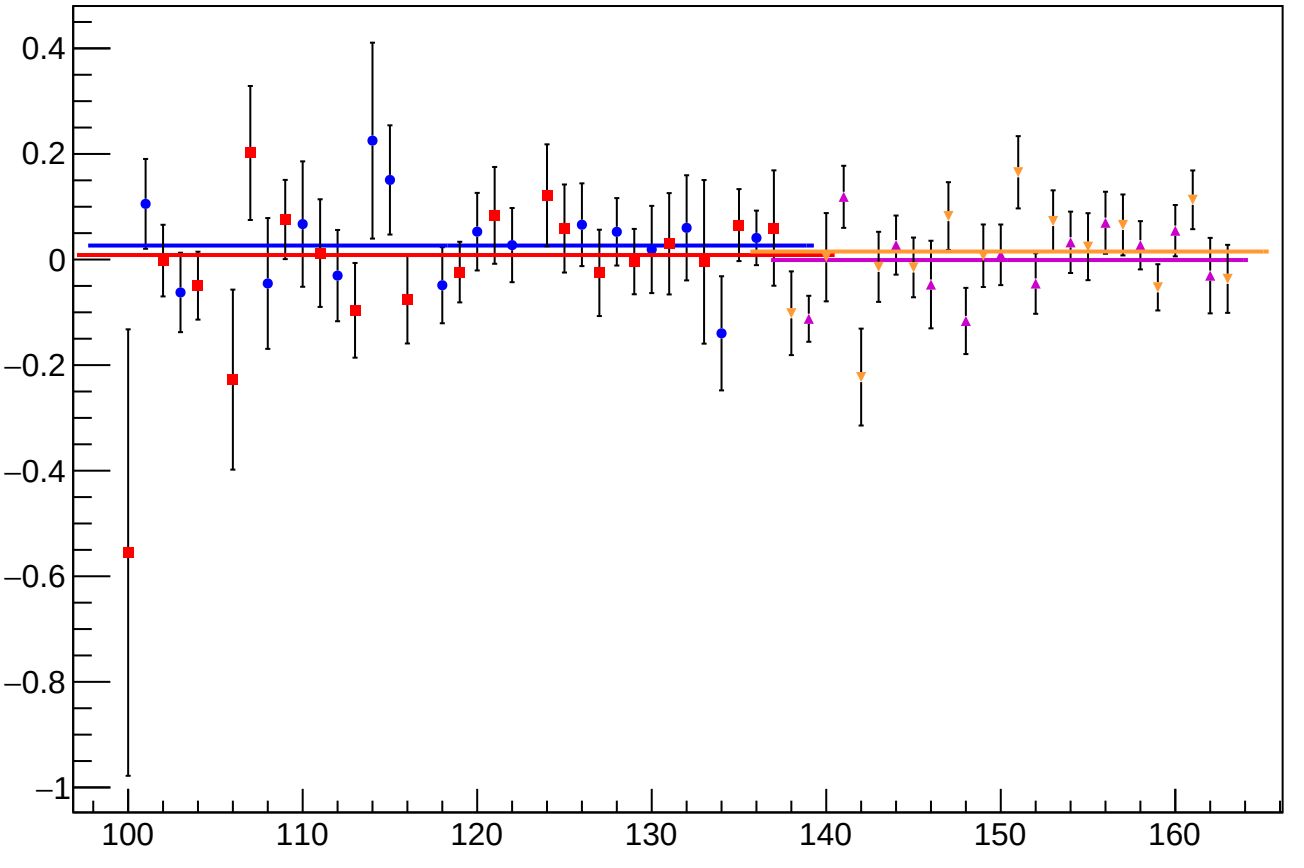
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2575307.7/11

\+ sign 0.003+/-0.000 χ^2/NDF: 5637877.2/29

All: 0.003+/-0.000 χ^2/NDF: 11069602.0/60

\- sign 0.003+/-0.000 χ^2/NDF: 5417068.8/30



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

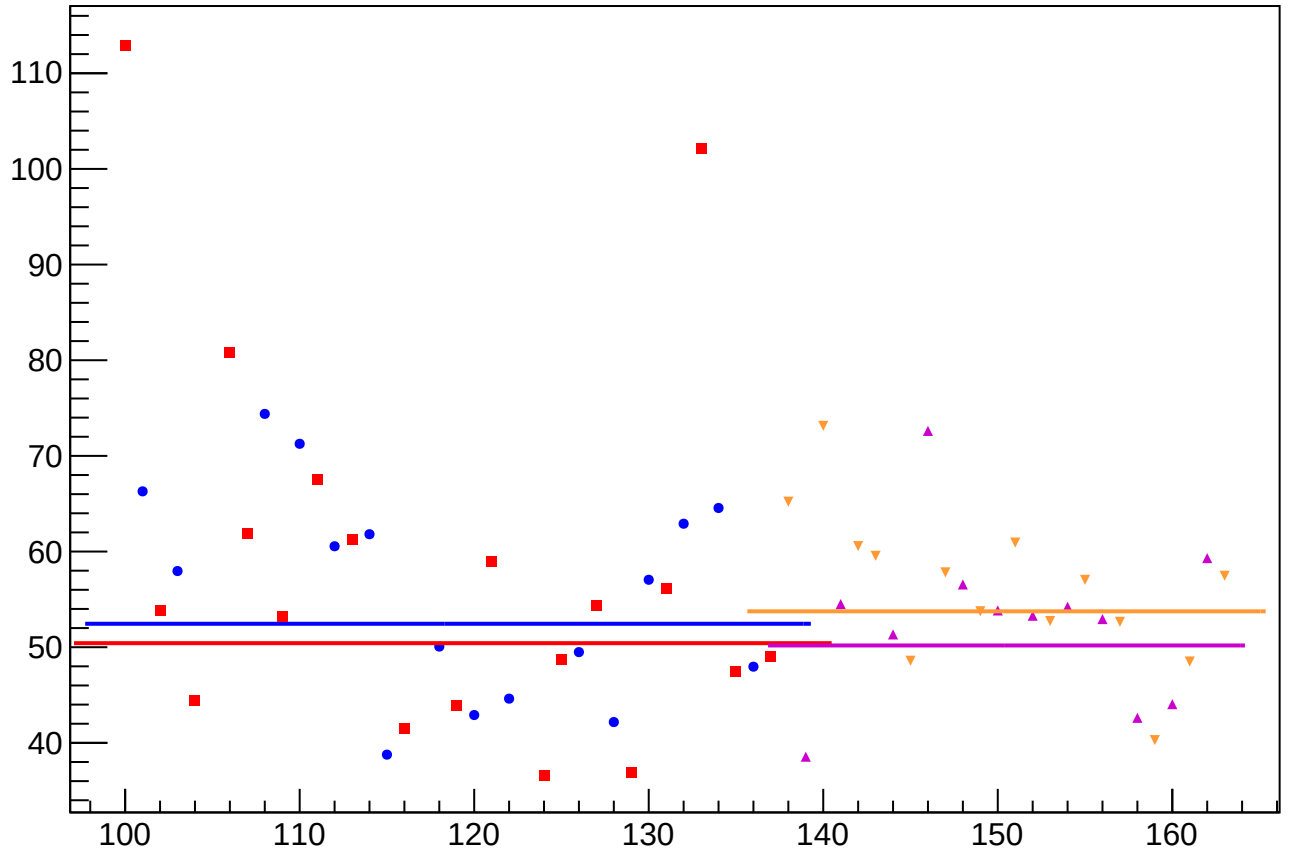
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.001+/-0.016 χ^2/NDF:18.9/11

+ sign 0.020+/-0.013 χ^2/NDF: 33.3/29

All: 0.011+/-0.009 χ^2/NDF: 67.2/60

- sign 0.003+/-0.012 χ^2/NDF: 33.0/30



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442554.9/13

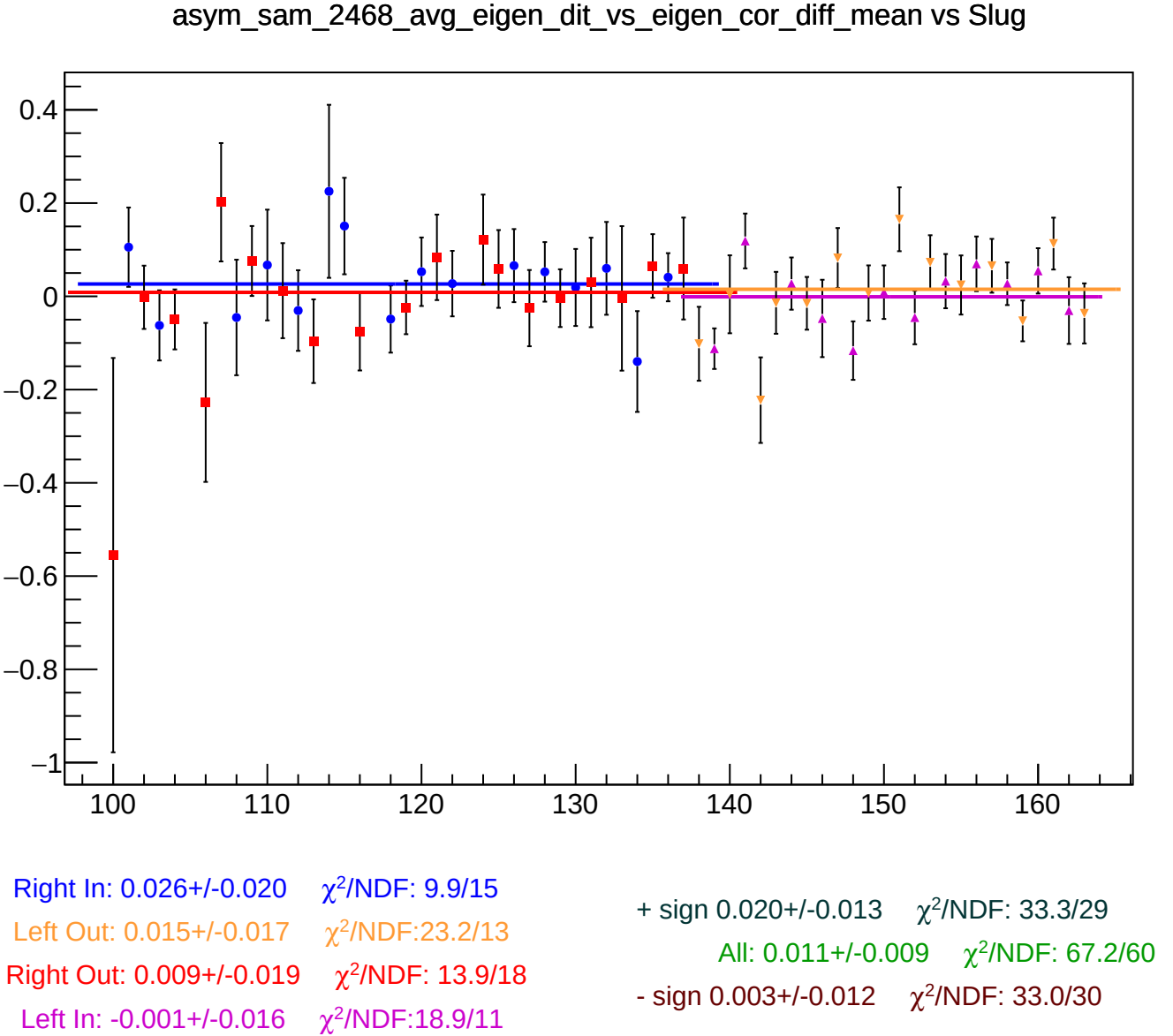
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

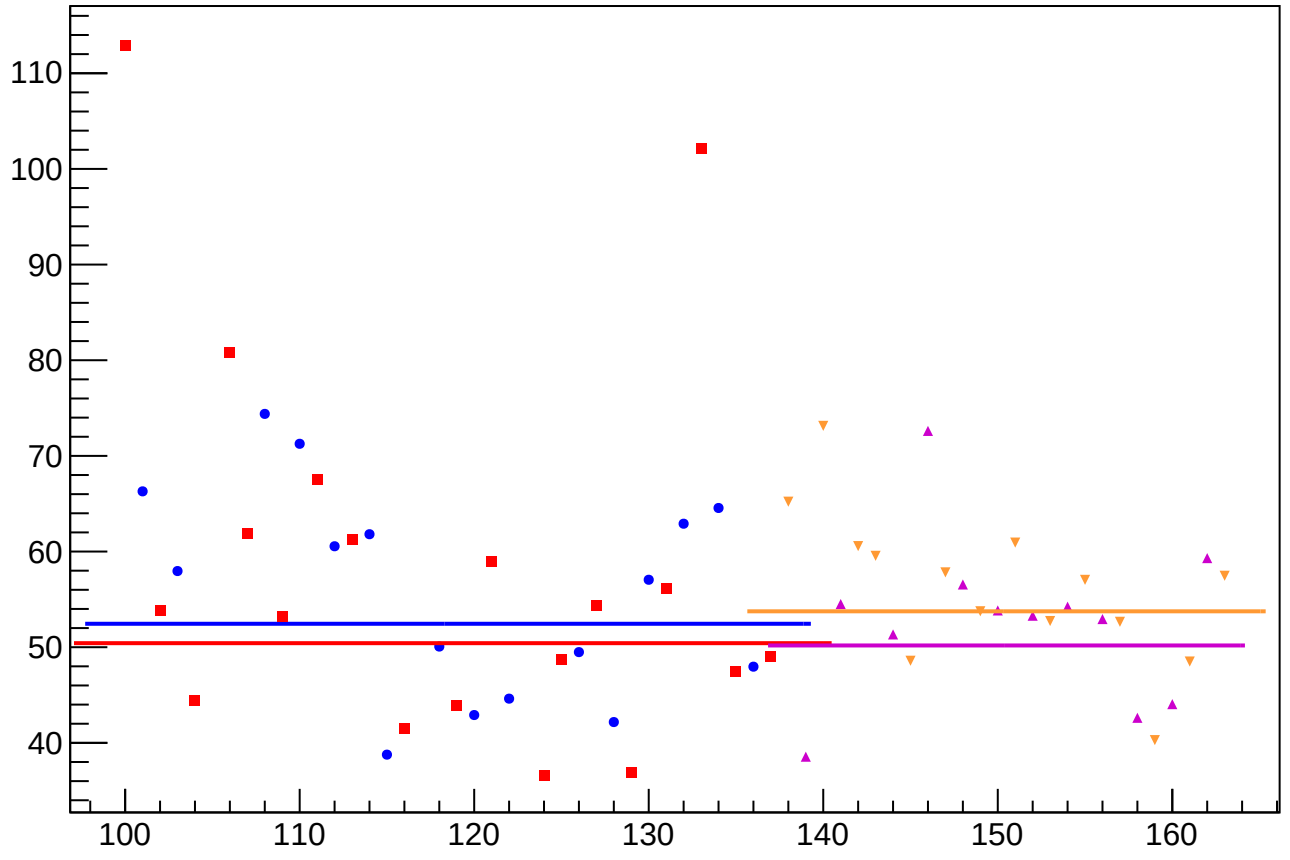
Left In: 50.182+/-0.011 χ^2/NDF:468420.8/11

+ sign 53.233+/-0.009 χ^2/NDF: 865421.1/29

All: 51.706+/-0.006 χ^2/NDF: 2065192.7/60

- sign 50.280+/-0.009 χ^2/NDF: 1145353.7/30


asym_sam_2468_avg_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
160
Right In: 0.026+/-0.020 χ²/NDF: 9.9/15
Left Out: 0.015+/-0.017 χ²/NDF:23.2/13
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/18
Left In: -0.001+/-0.016 χ²/NDF:18.9/11
+ sign 0.020+/-0.013 χ²/NDF: 33.3/29
All: 0.011+/-0.009 χ²/NDF: 67.2/60
- sign 0.003+/-0.012 χ²/NDF: 33.0/30



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442554.9/13

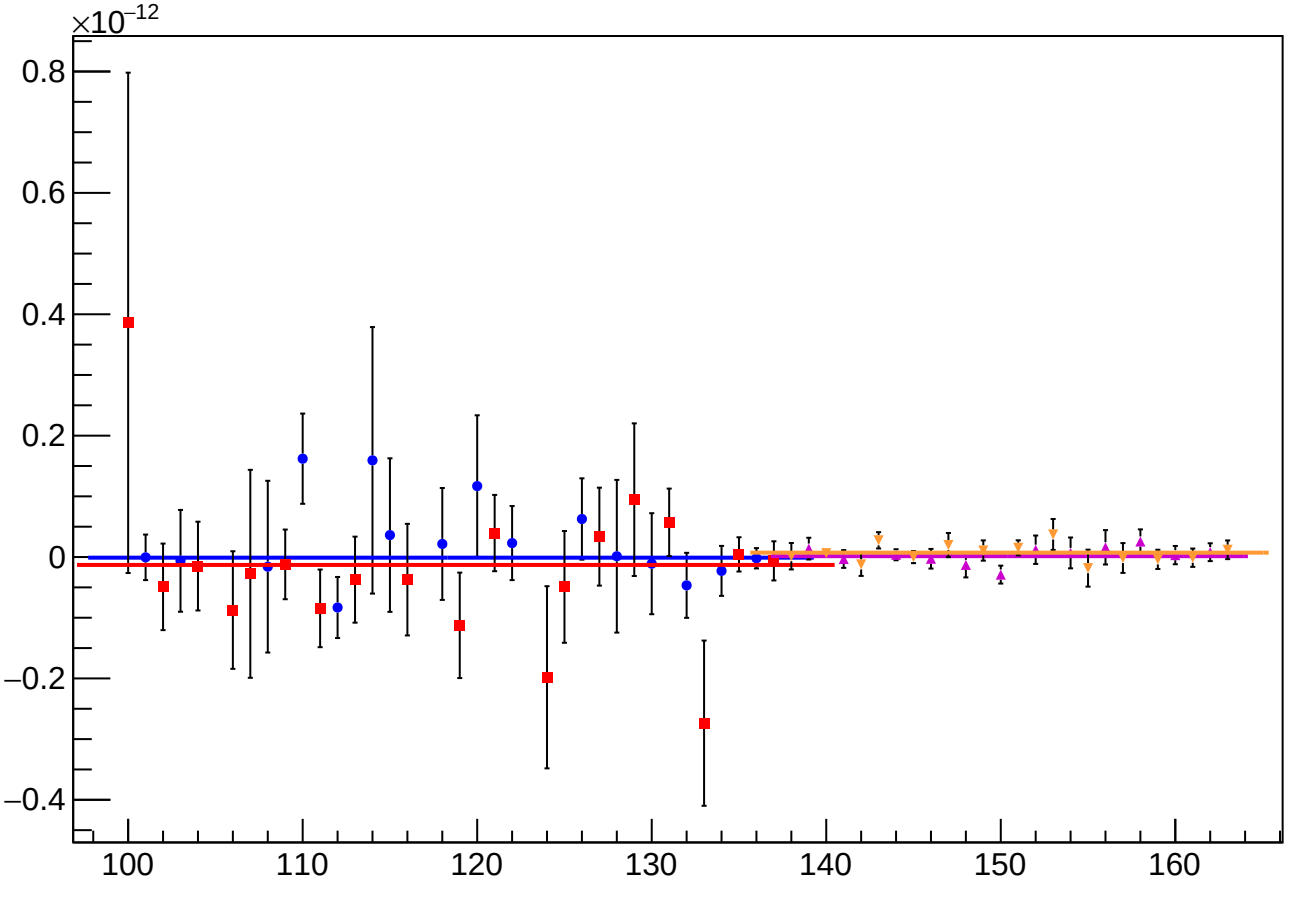
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.182+/-0.011 χ^2/NDF:468420.8/11

+ sign 53.233+/-0.009 χ^2/NDF: 865421.1/29

All: 51.706+/-0.006 χ^2/NDF: 2065192.7/60

- sign 50.280+/-0.009 χ^2/NDF: 1145353.7/30



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/13

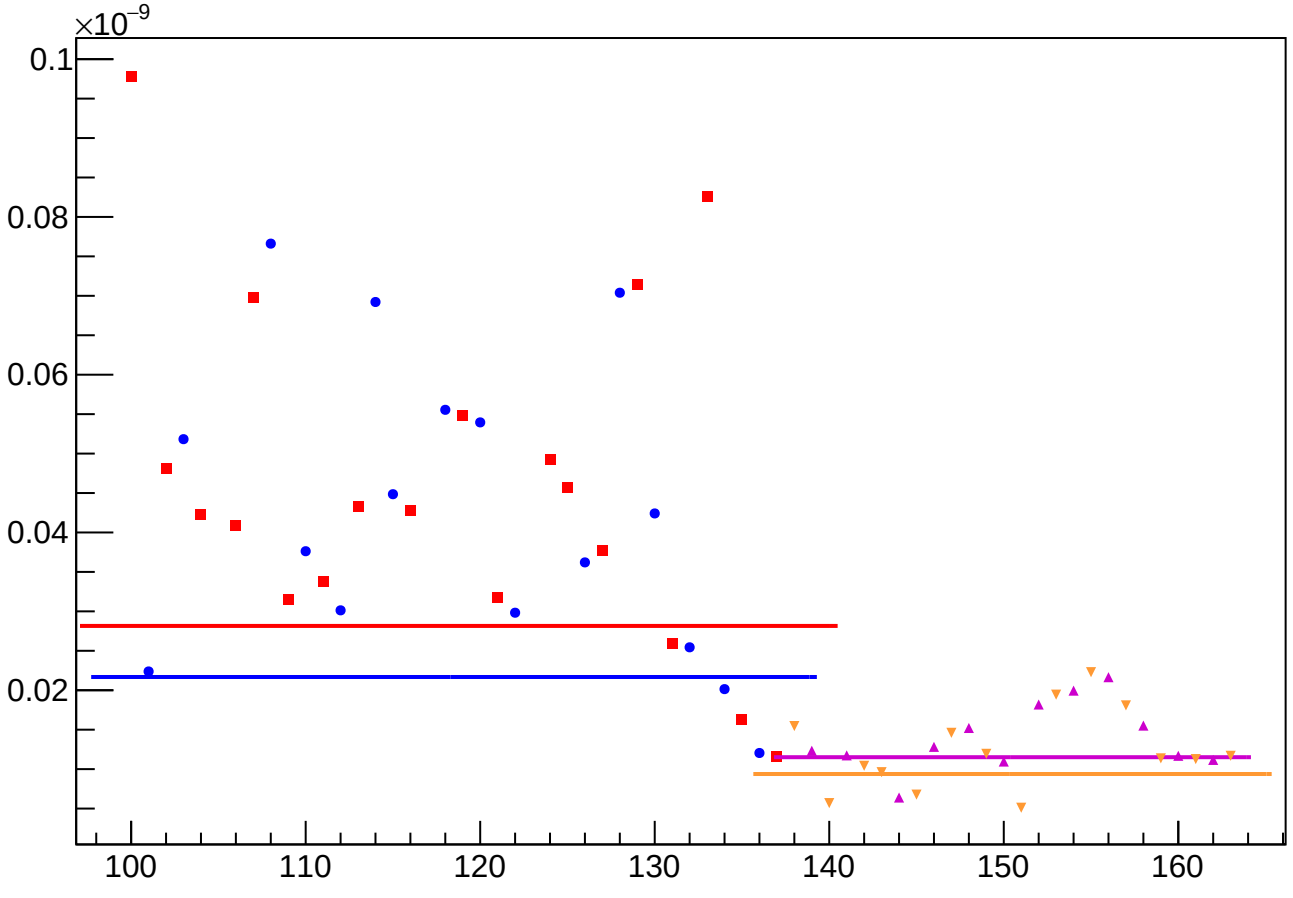
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 19.6/29

All: 0.000+/-0.000 χ^2/NDF: 43.0/60

- sign 0.000+/-0.000 χ^2/NDF: 22.2/30



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2158844.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

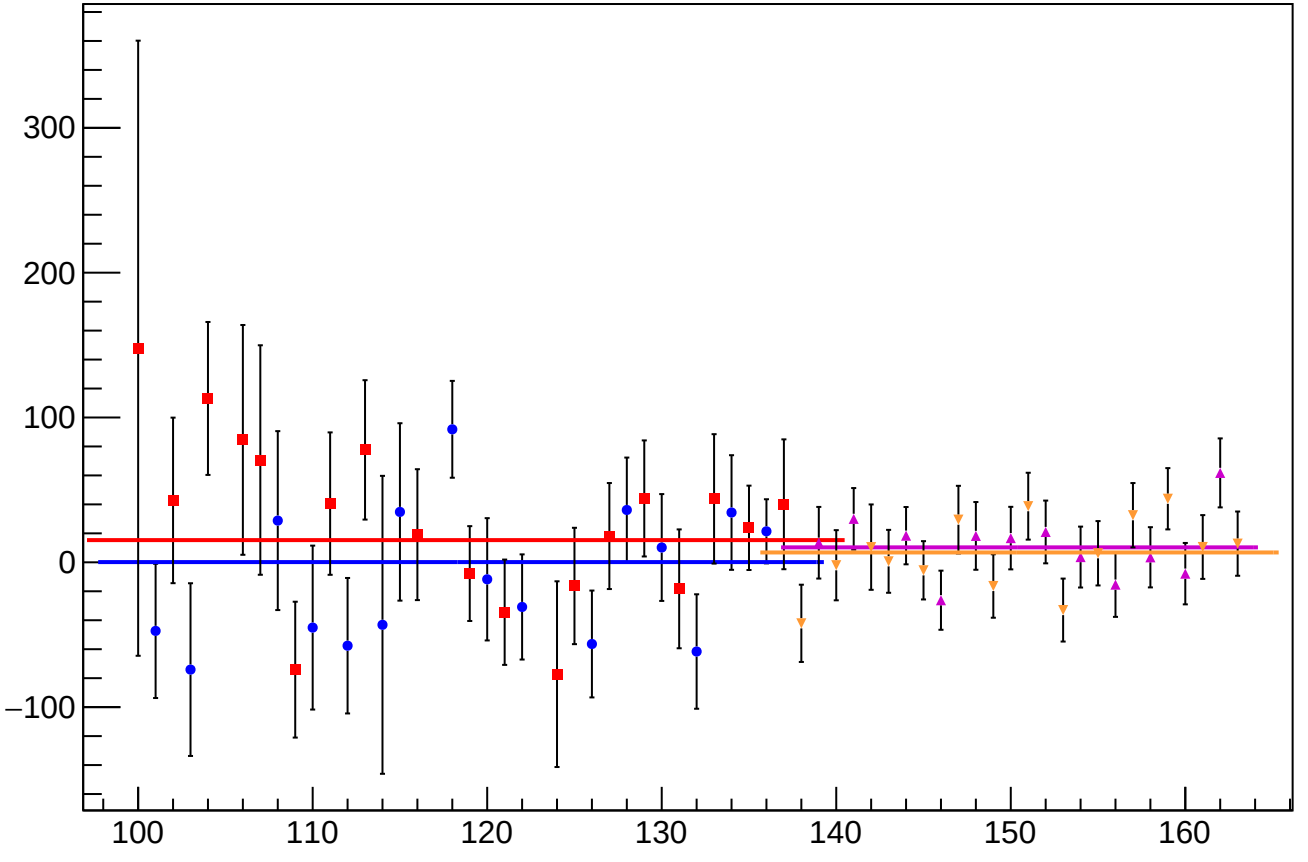
Left In: 0.000+/-0.000 χ^2/NDF:1441454.4/11

+ sign 0.000+/-0.000 χ^2/NDF: 6584344.7/29

All: 0.000+/-0.000 χ^2/NDF: 13165627.7/60

- sign 0.000+/-0.000 χ^2/NDF: 6214273.0/30

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.804+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

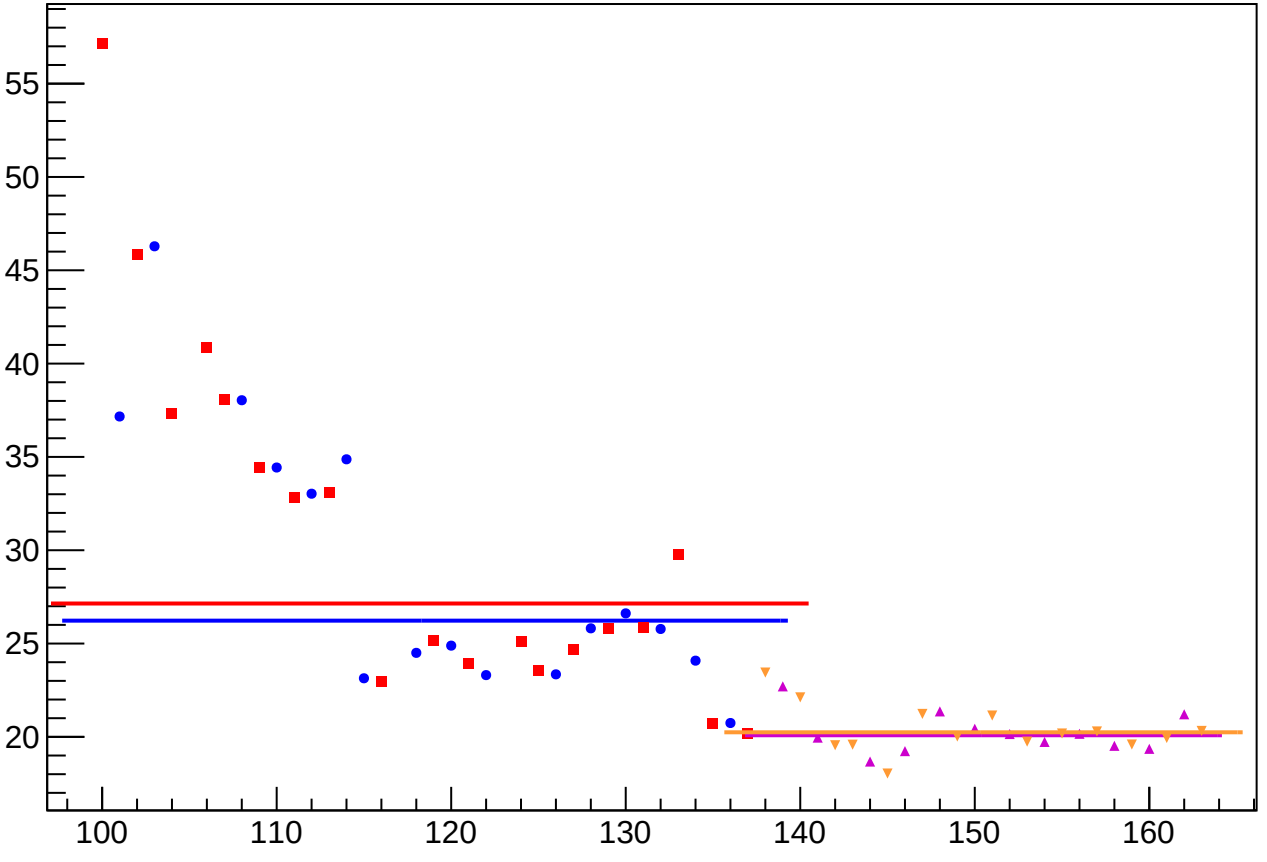
Left In: 10.323+/-6.264 χ^2/NDF:11.6/11

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.258+/-3.727 χ^2/NDF: 68.0/60

- sign 11.682+/-5.348 χ^2/NDF: 29.7/30

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

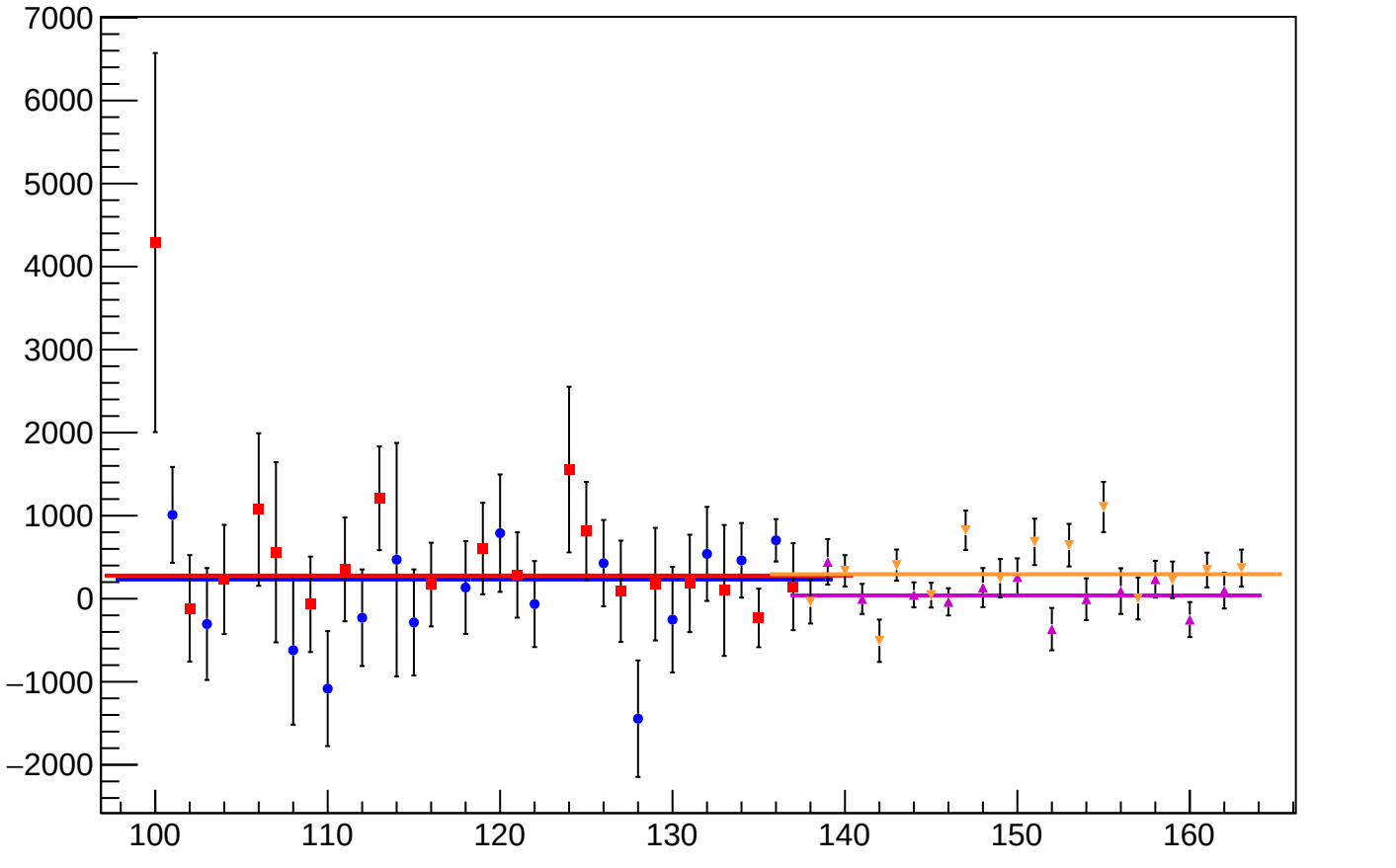
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

+ sign 21.845+/-0.004 χ^2/NDF: 1273395.2/29

All: 21.921+/-0.003 χ^2/NDF: 2770157.8/60

- sign 22.001+/-0.004 χ^2/NDF: 1495878.4/30



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 295.524+/-59.188 χ^2/NDF:32.2/13

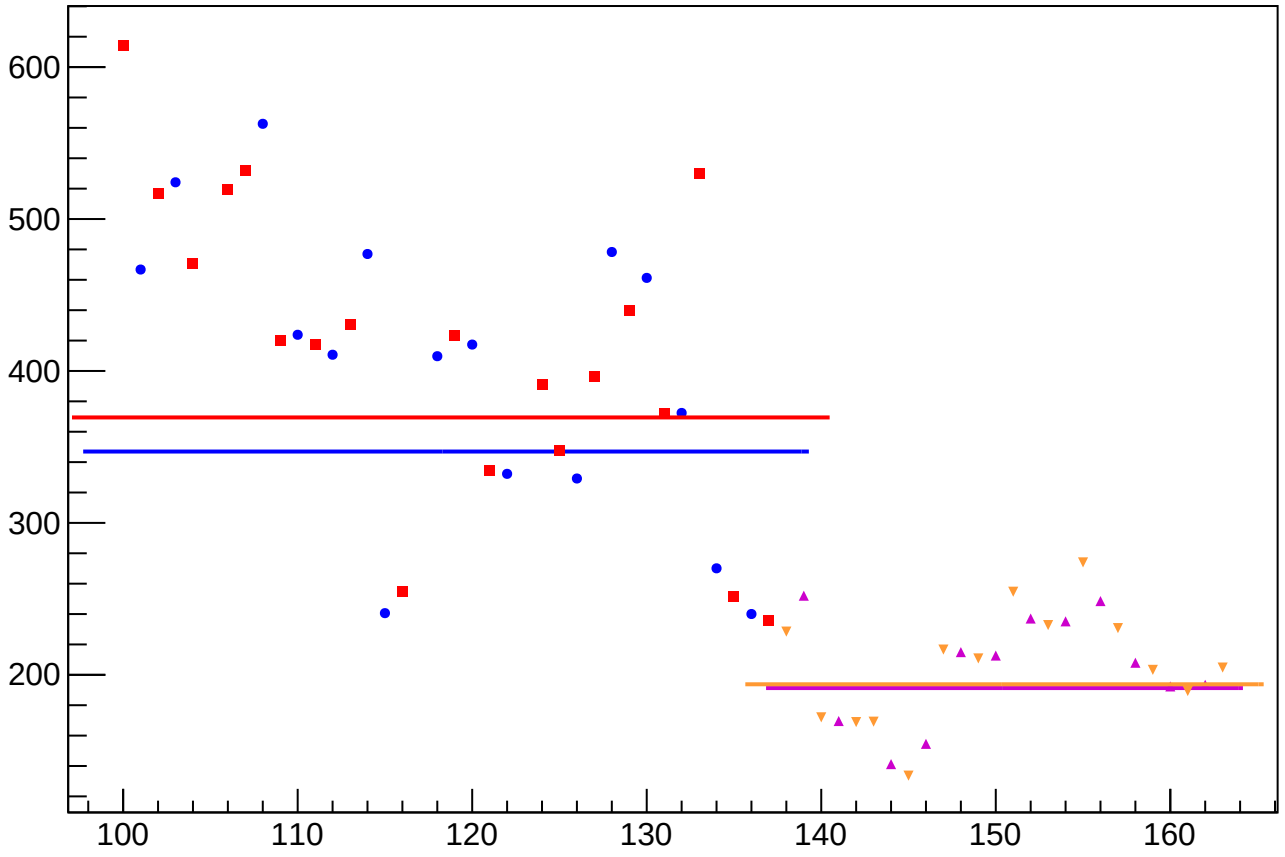
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: 39.772+/-60.712 χ^2/NDF:8.9/11

+ sign 285.280+/-54.198 χ^2/NDF: 52.0/29

All: 184.304+/-38.843 χ^2/NDF: 82.6/60

- sign 77.662+/-55.698 χ^2/NDF: 23.5/30



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 193.779+/-0.042 χ^2/NDF:800376.8/13

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

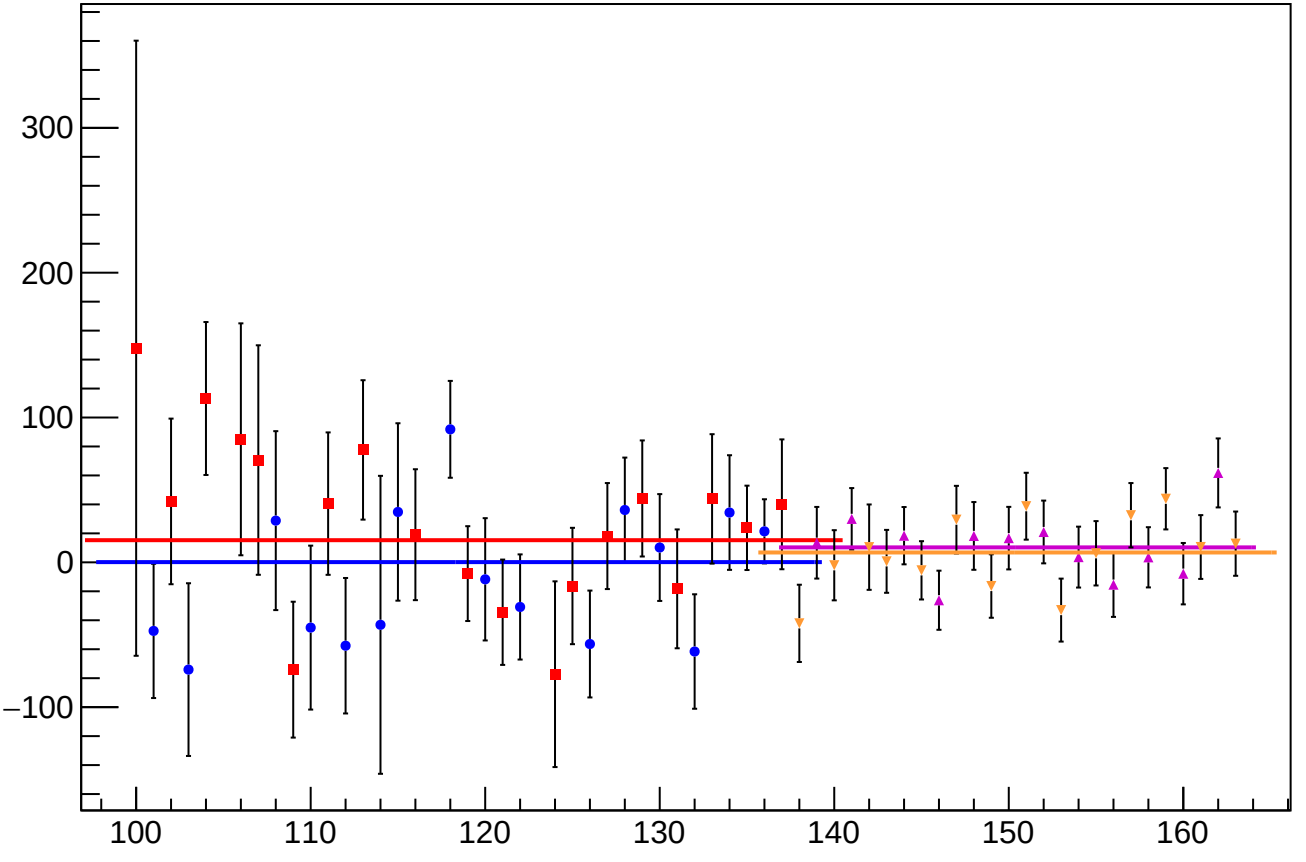
Left In: 191.288+/-0.043 χ^2/NDF:708537.6/11

+ sign 218.517+/-0.038 χ^2/NDF: 4021962.8/29

All: 218.993+/-0.027 χ^2/NDF: 8375838.5/60

- sign 219.495+/-0.039 χ^2/NDF: 4353558.6/30

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

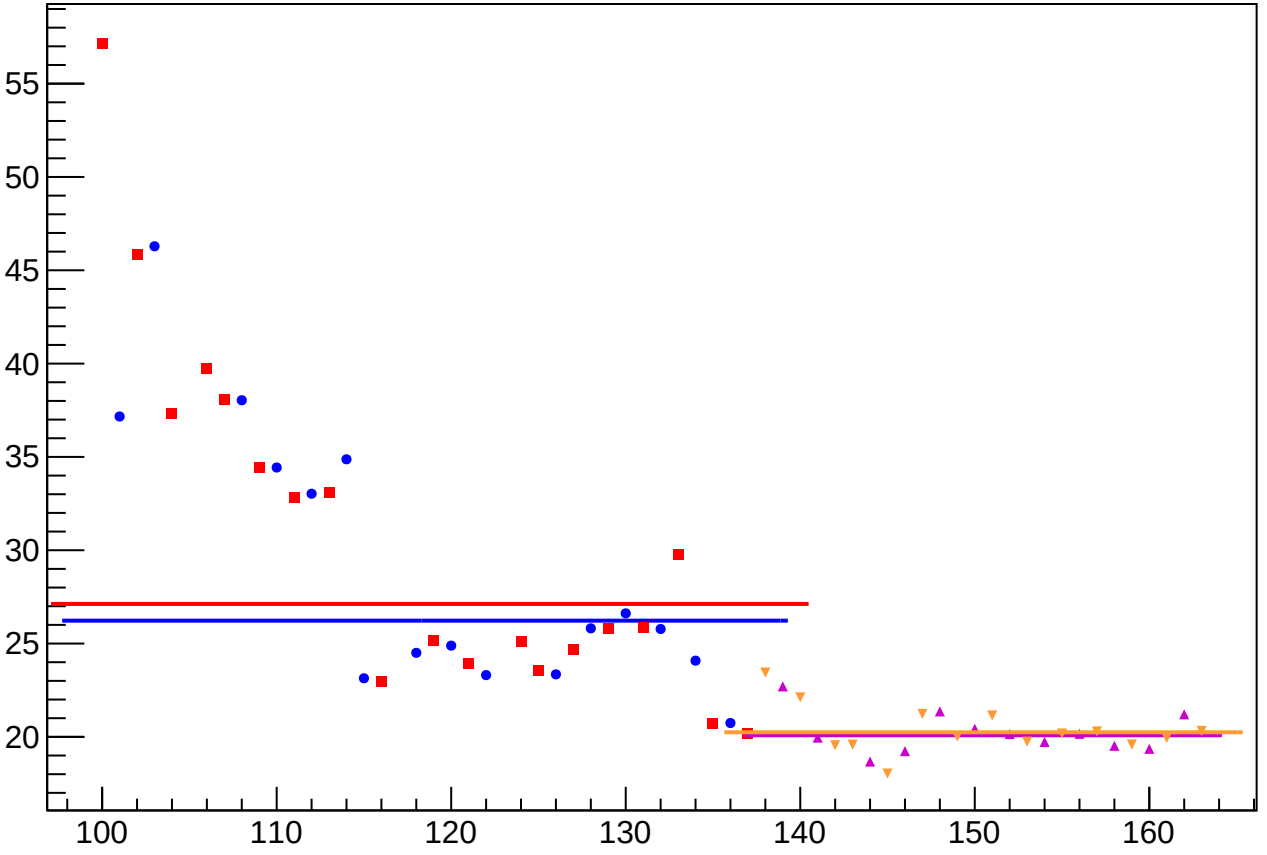
Left In: 10.323+/-6.264 χ^2/NDF:11.6/11

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.253+/-3.727 χ^2/NDF: 68.0/60

- sign 11.671+/-5.348 χ^2/NDF: 29.7/30

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

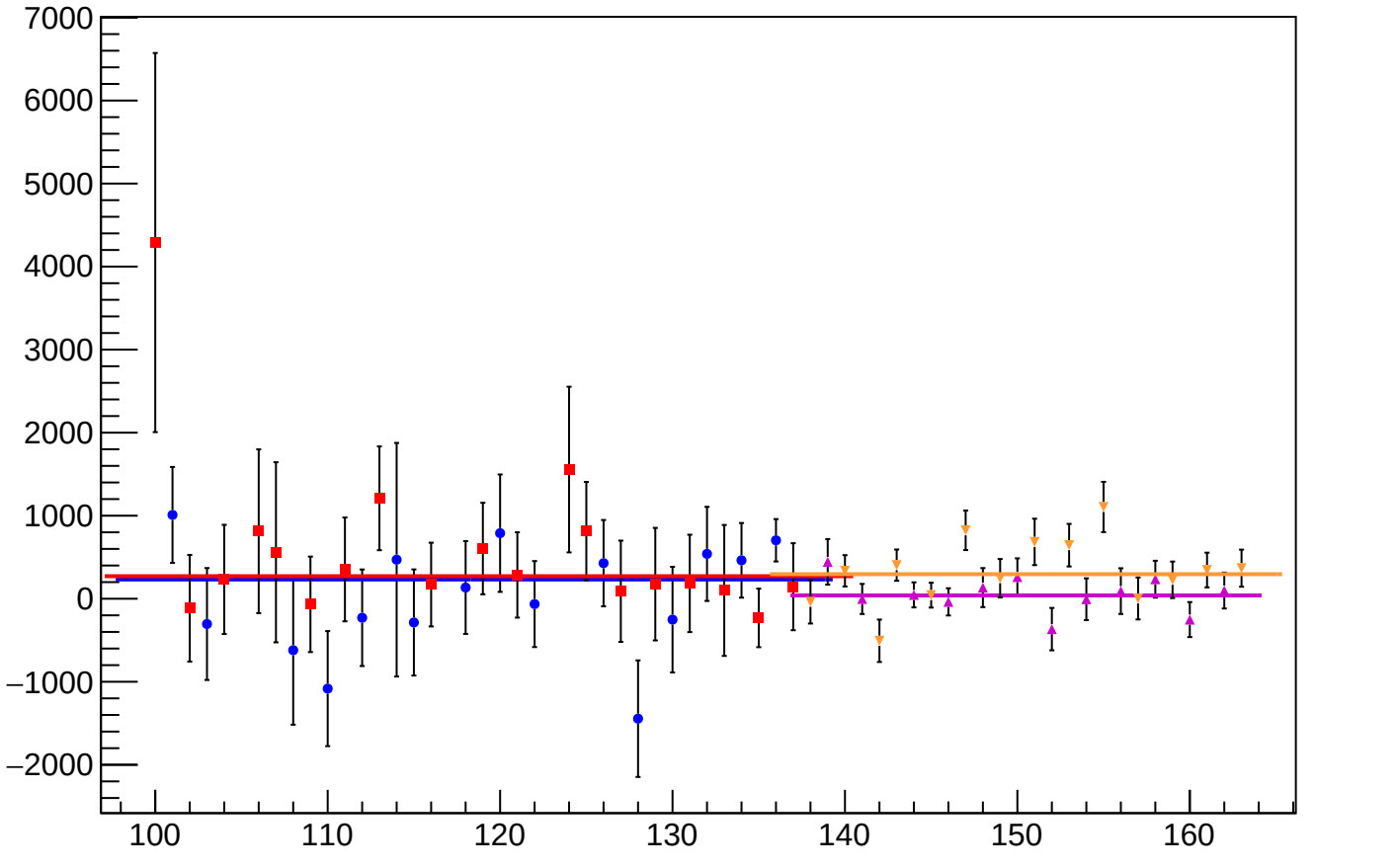
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

+ sign 21.845+/-0.004 χ^2/NDF: 1273398.5/29

All: 21.918+/-0.003 χ^2/NDF: 2755909.4/60

- sign 21.995+/-0.004 χ^2/NDF: 1481697.4/30



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 295.522+/-59.188 χ^2/NDF:32.2/13

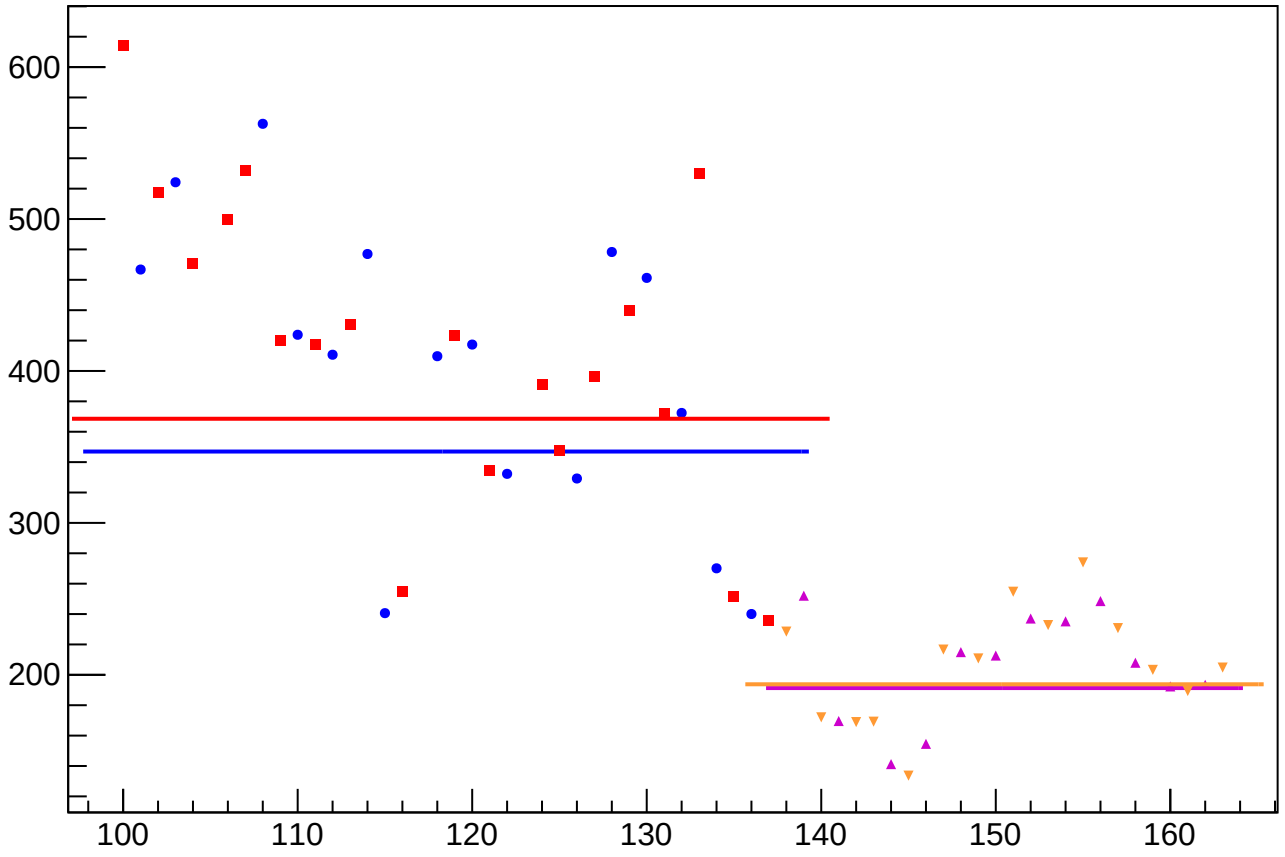
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 39.772+/-60.712 χ^2/NDF:8.9/11

+ sign 285.278+/-54.198 χ^2/NDF: 52.0/29

All: 183.694+/-38.848 χ^2/NDF: 82.1/60

- sign 76.358+/-55.712 χ^2/NDF: 22.9/30



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

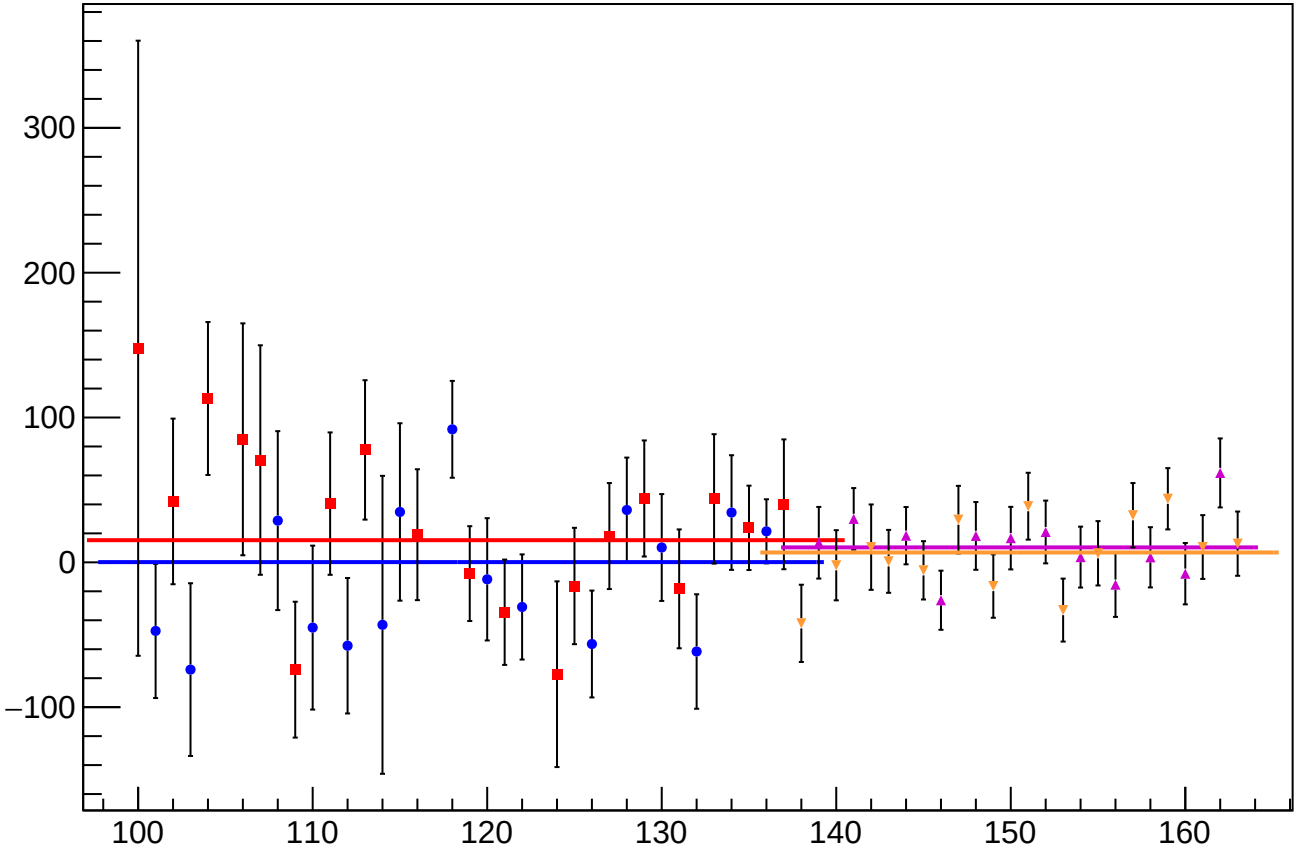
Left In: 191.289+/-0.043 χ^2/NDF:708535.5/11

+ sign 218.516+/-0.038 χ^2/NDF: 4021995.7/29

All: 218.890+/-0.027 χ^2/NDF: 8323586.7/60

- sign 219.285+/-0.039 χ^2/NDF: 4301395.6/30

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

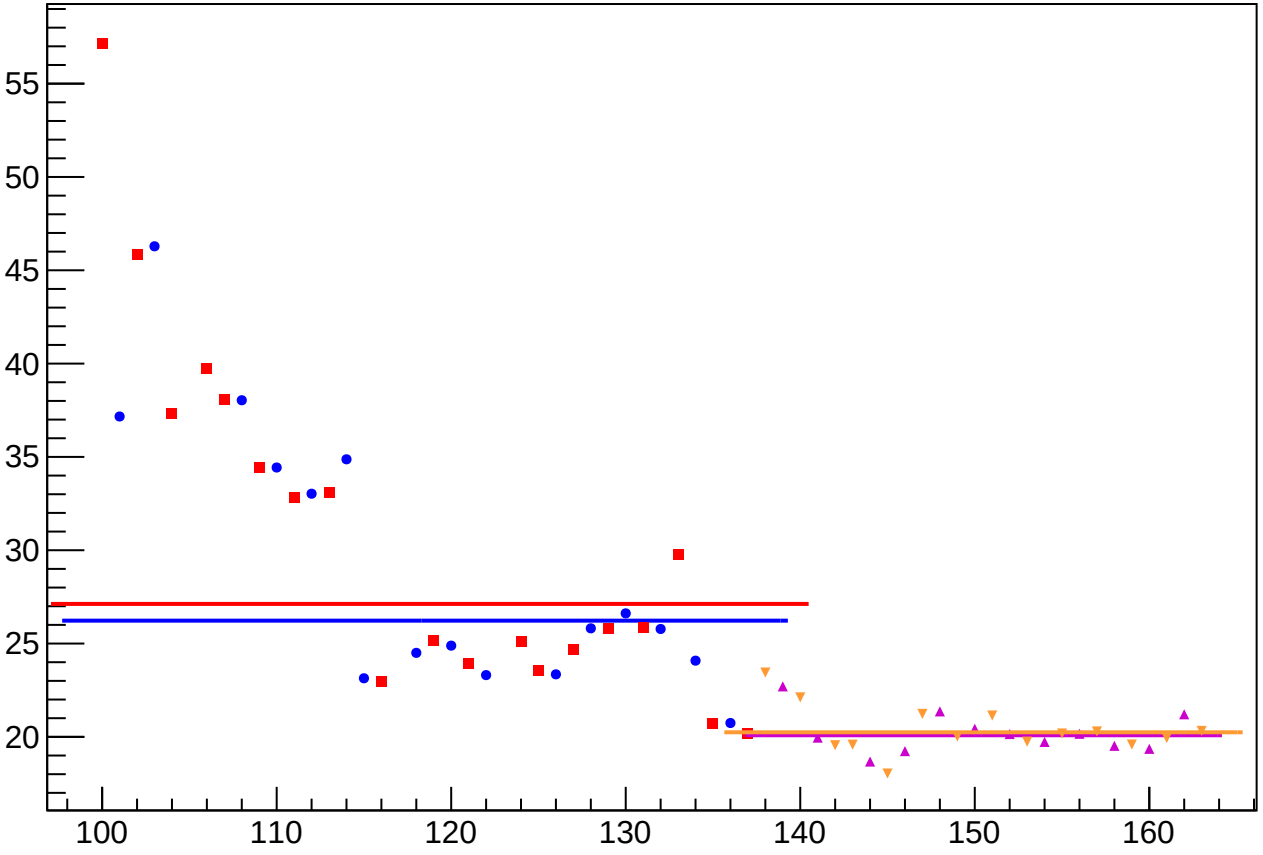
Left In: 10.323+/-6.264 χ^2/NDF:11.6/11

+ sign 5.026+/-5.196 χ^2/NDF: 37.5/29

All: 8.253+/-3.727 χ^2/NDF: 68.0/60

- sign 11.671+/-5.348 χ^2/NDF: 29.7/30

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

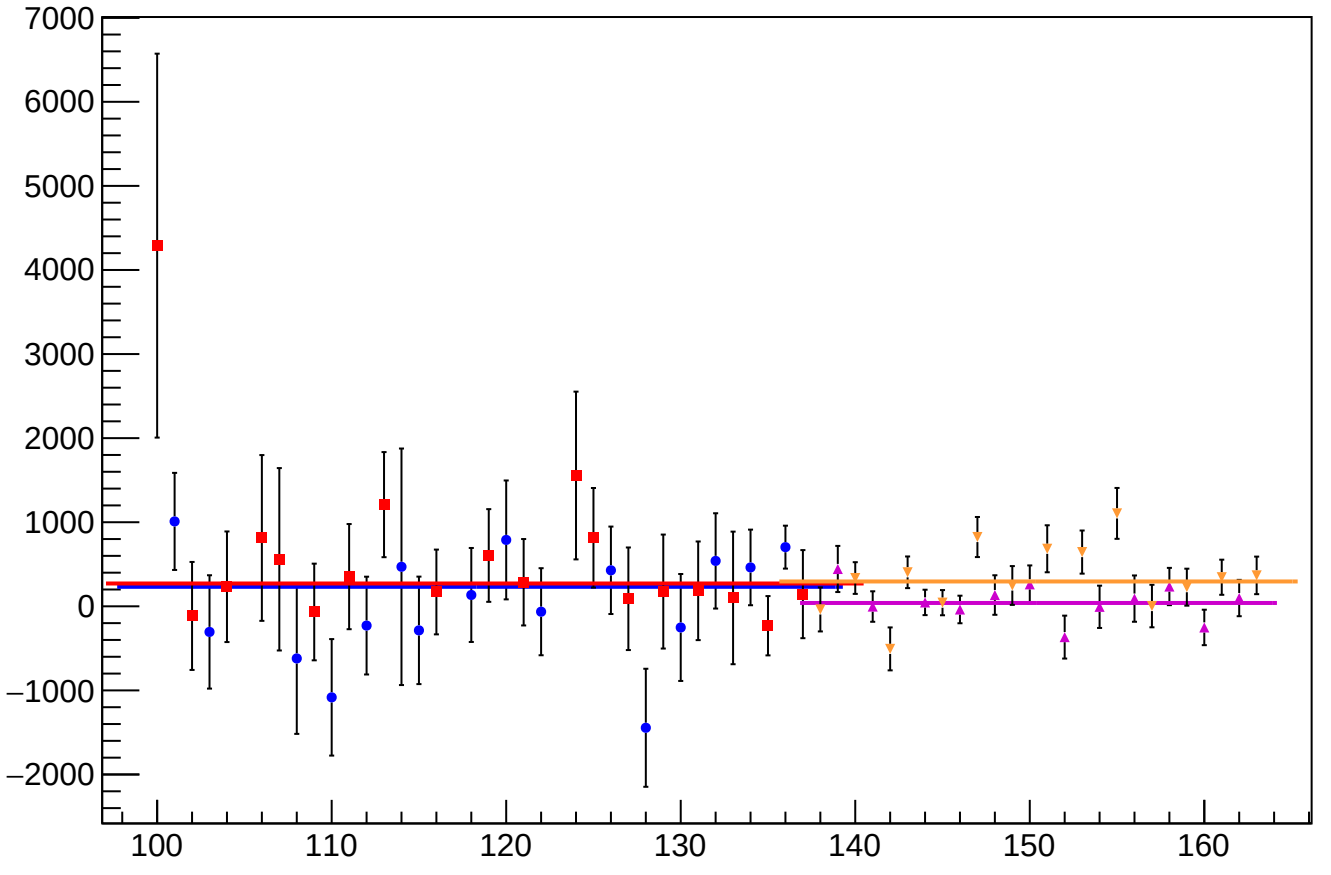
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

+ sign 21.845+/-0.004 χ^2/NDF: 1273398.5/29

All: 21.918+/-0.003 χ^2/NDF: 2755909.4/60

- sign 21.995+/-0.004 χ^2/NDF: 1481697.4/30



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 295.522+/-59.188 χ^2/NDF:32.2/13

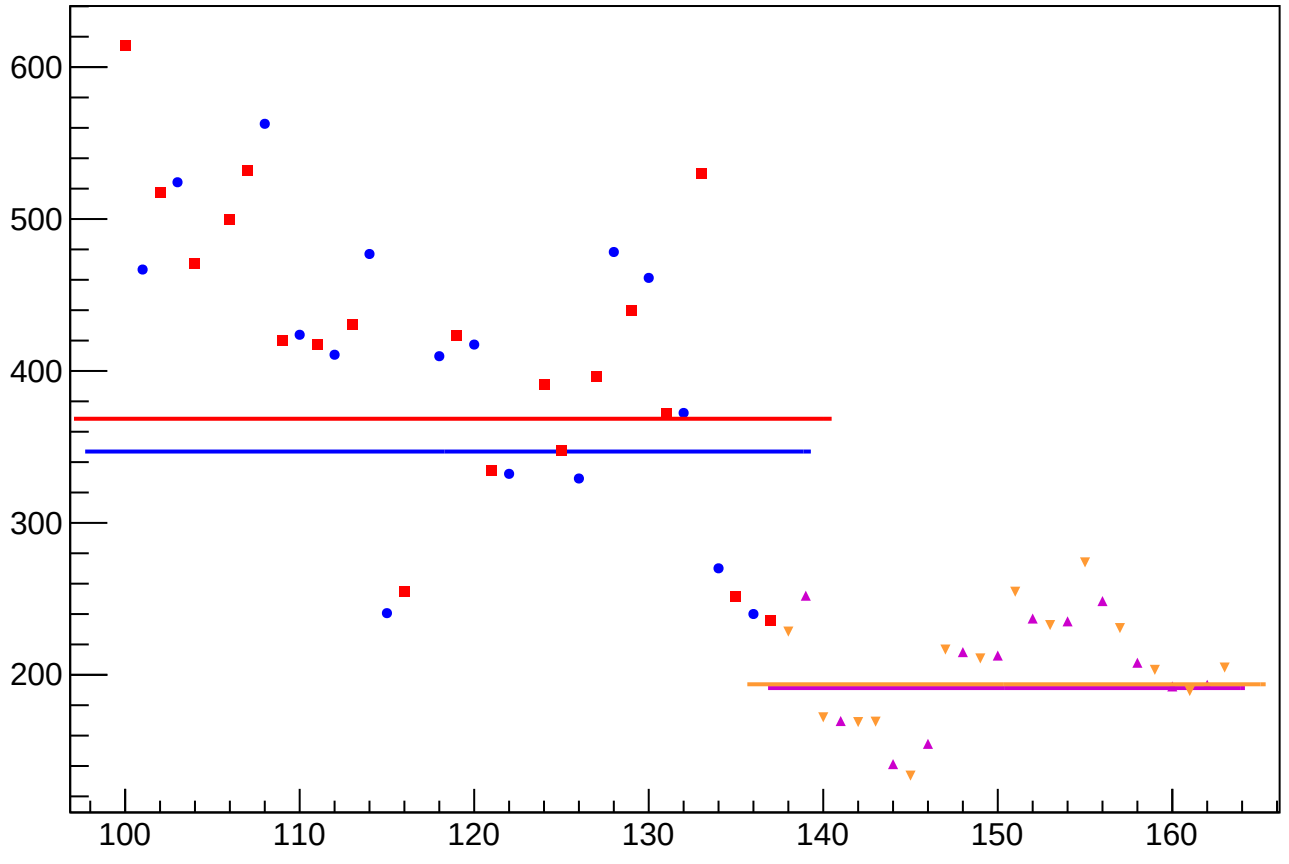
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: 39.772+/-60.712 χ^2/NDF:8.9/11

+ sign 285.278+/-54.198 χ^2/NDF: 52.0/29

All: 183.694+/-38.848 χ^2/NDF: 82.1/60

- sign 76.358+/-55.712 χ^2/NDF: 22.9/30



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

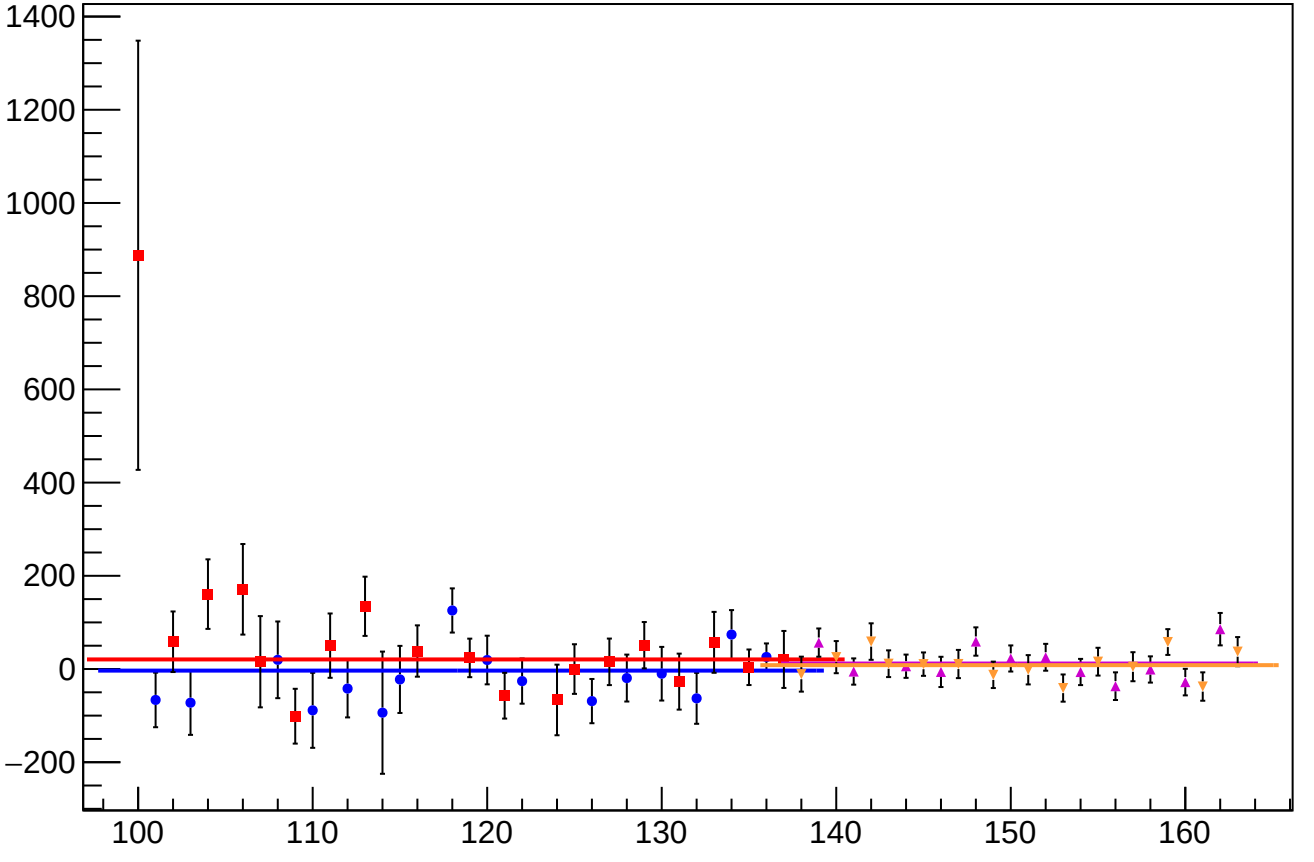
Left In: 191.289+/-0.043 χ^2/NDF:708535.5/11

+ sign 218.516+/-0.038 χ^2/NDF: 4021995.7/29

All: 218.890+/-0.027 χ^2/NDF: 8323586.7/60

- sign 219.285+/-0.039 χ^2/NDF: 4301395.6/30

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

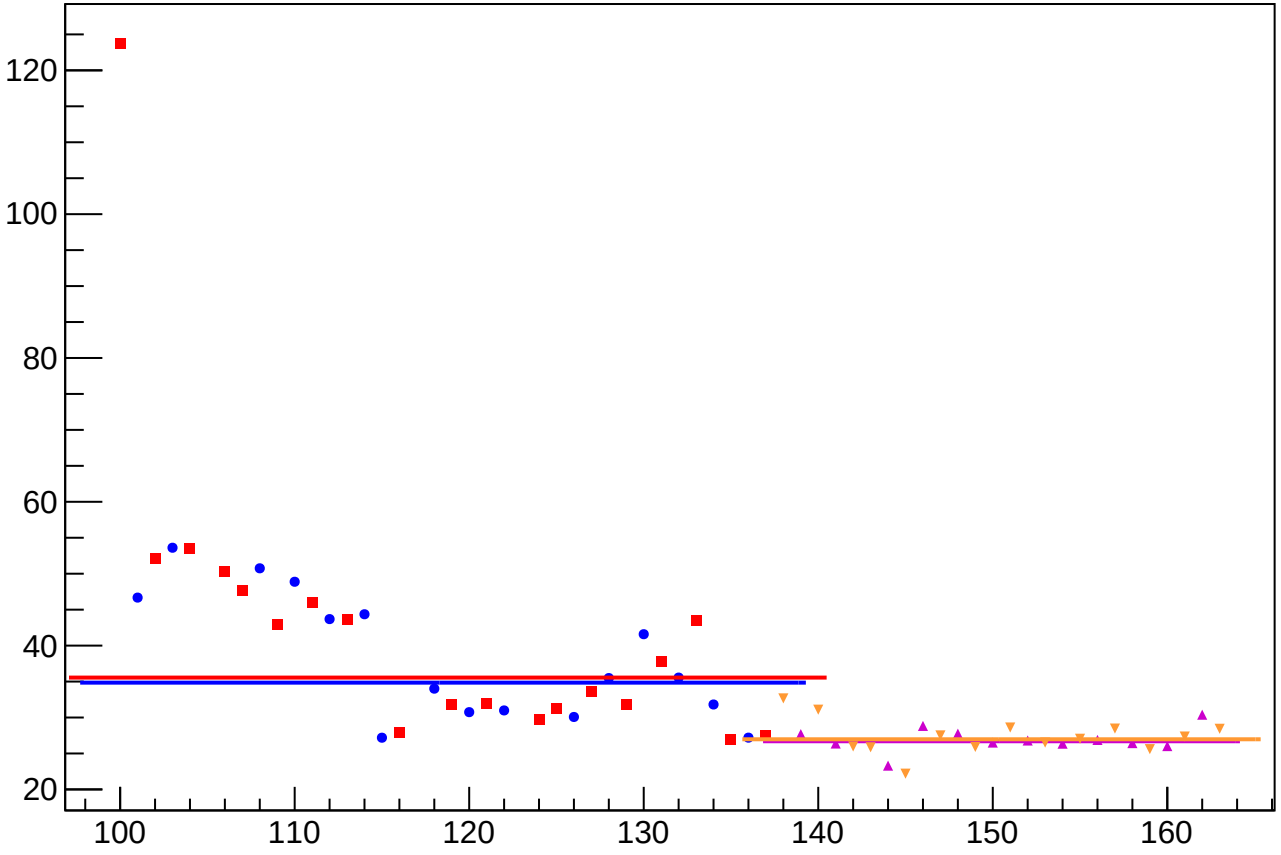
Left In: 11.746+/-8.397 χ^2/NDF:15.5/11

+ sign 5.121+/-6.956 χ^2/NDF: 31.1/29

All: 9.558+/-4.978 χ^2/NDF: 70.9/60

- sign 14.214+/-7.126 χ^2/NDF: 38.9/30

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174905.4/13

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

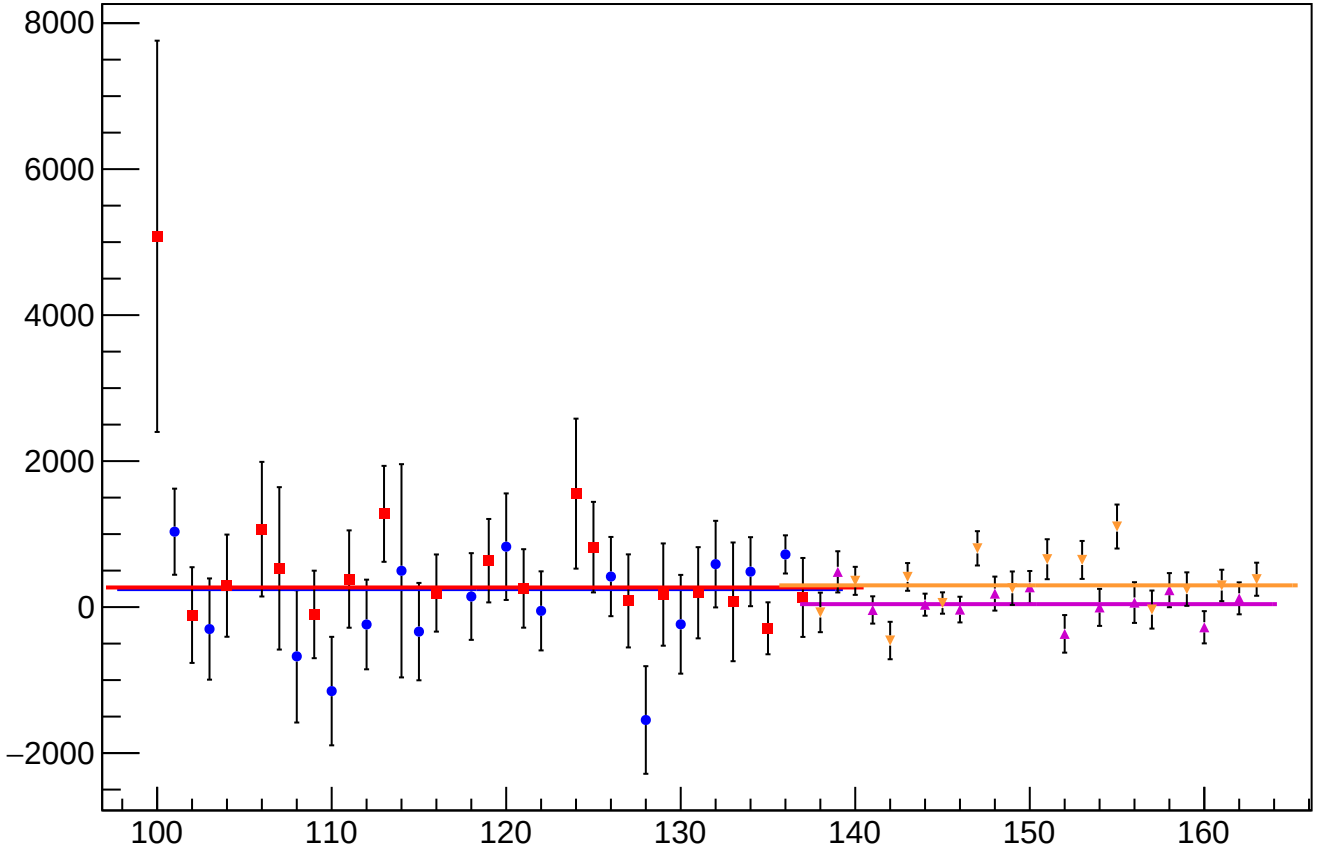
Left In: 26.700+/-0.006 χ^2/NDF:74697.8/11

+ sign 29.099+/-0.005 χ^2/NDF: 1338182.2/29

All: 29.137+/-0.004 χ^2/NDF: 2814767.1/60

- sign 29.176+/-0.005 χ^2/NDF: 1476465.8/30

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 297.925+/-59.610 χ^2/NDF:30.9/13

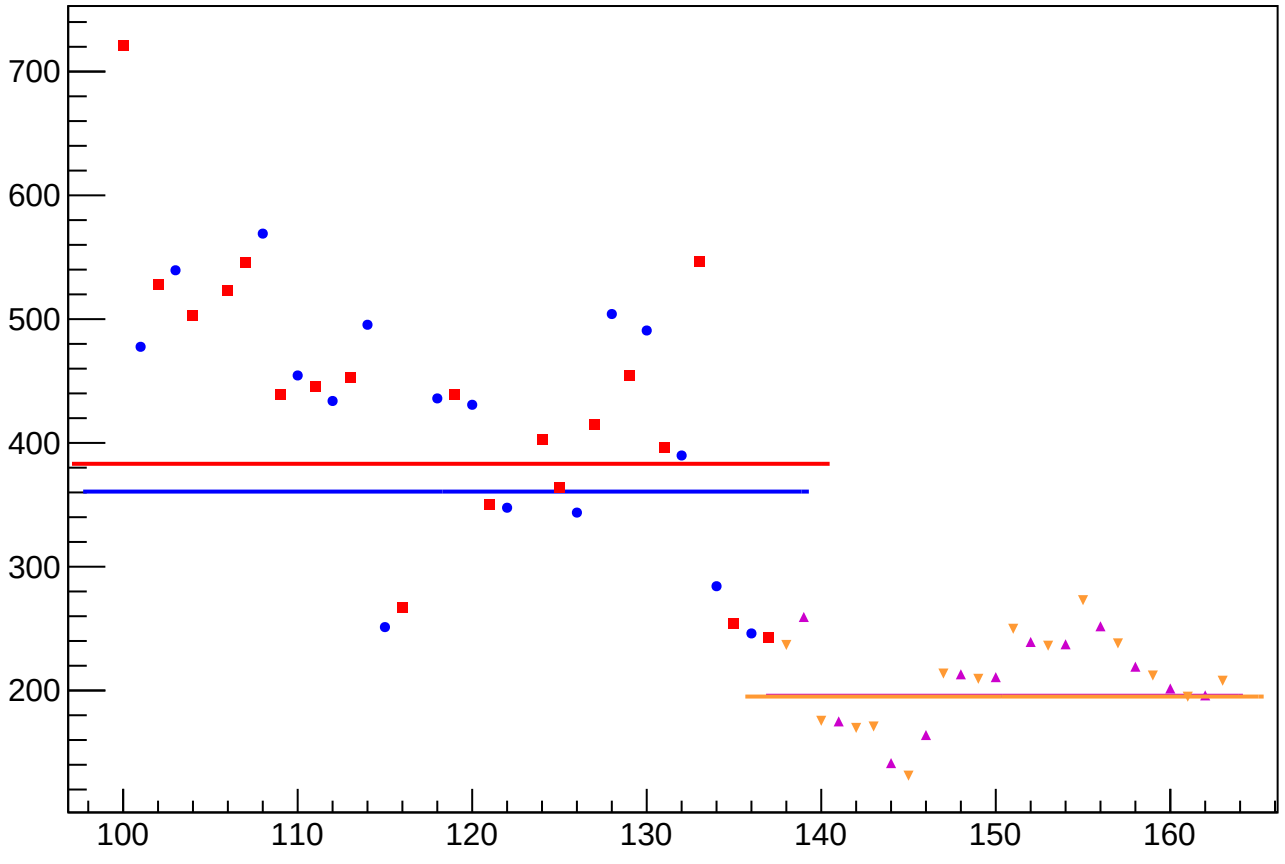
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.470+/-62.124 χ^2/NDF:9.7/11

+ sign 290.060+/-54.862 χ^2/NDF: 50.8/29

All: 187.242+/-39.568 χ^2/NDF: 82.5/60

- sign 75.778+/-57.122 χ^2/NDF: 24.4/30



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 195.103+/-0.042 χ^2/NDF:856660.4/13

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

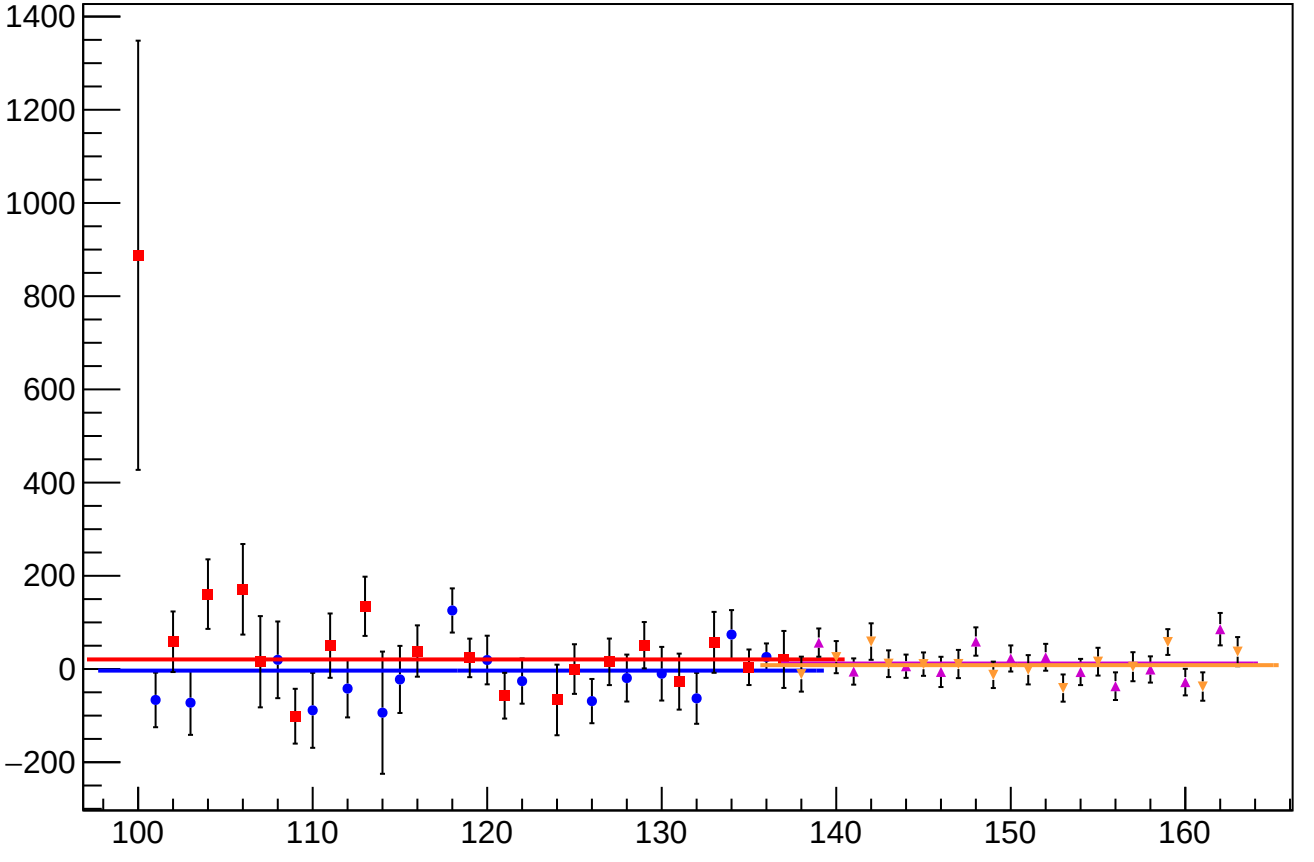
Left In: 195.760+/-0.044 χ^2/NDF:684321.7/11

+ sign 220.431+/-0.039 χ^2/NDF: 4310116.8/29

All: 222.490+/-0.028 χ^2/NDF: 8775425.1/60

- sign 224.721+/-0.040 χ^2/NDF: 4459442.1/30

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

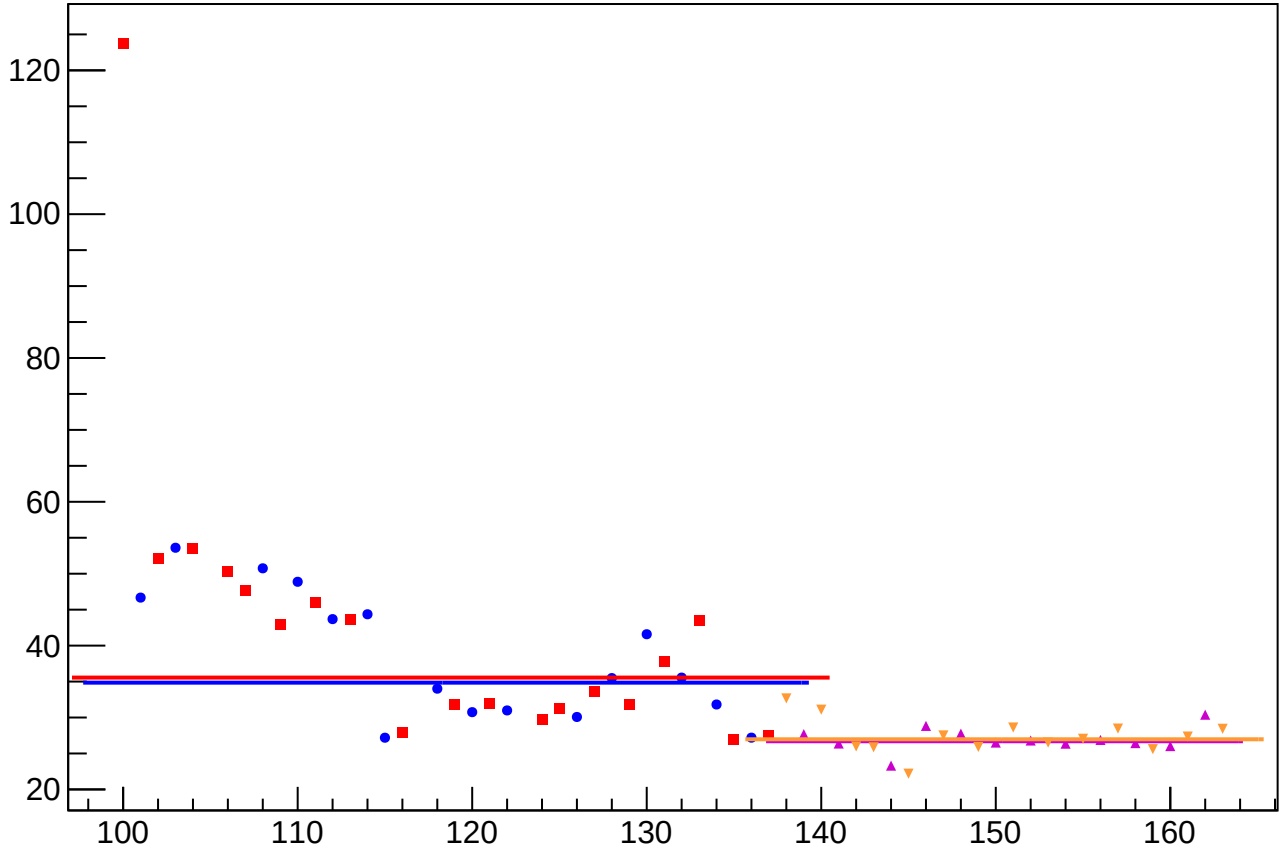
Left In: 11.746+/-8.397 χ^2/NDF:15.5/11

+ sign 5.120+/-6.956 χ^2/NDF: 31.1/29

All: 9.557+/-4.978 χ^2/NDF: 70.9/60

- sign 14.214+/-7.126 χ^2/NDF: 38.9/30

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174894.6/13

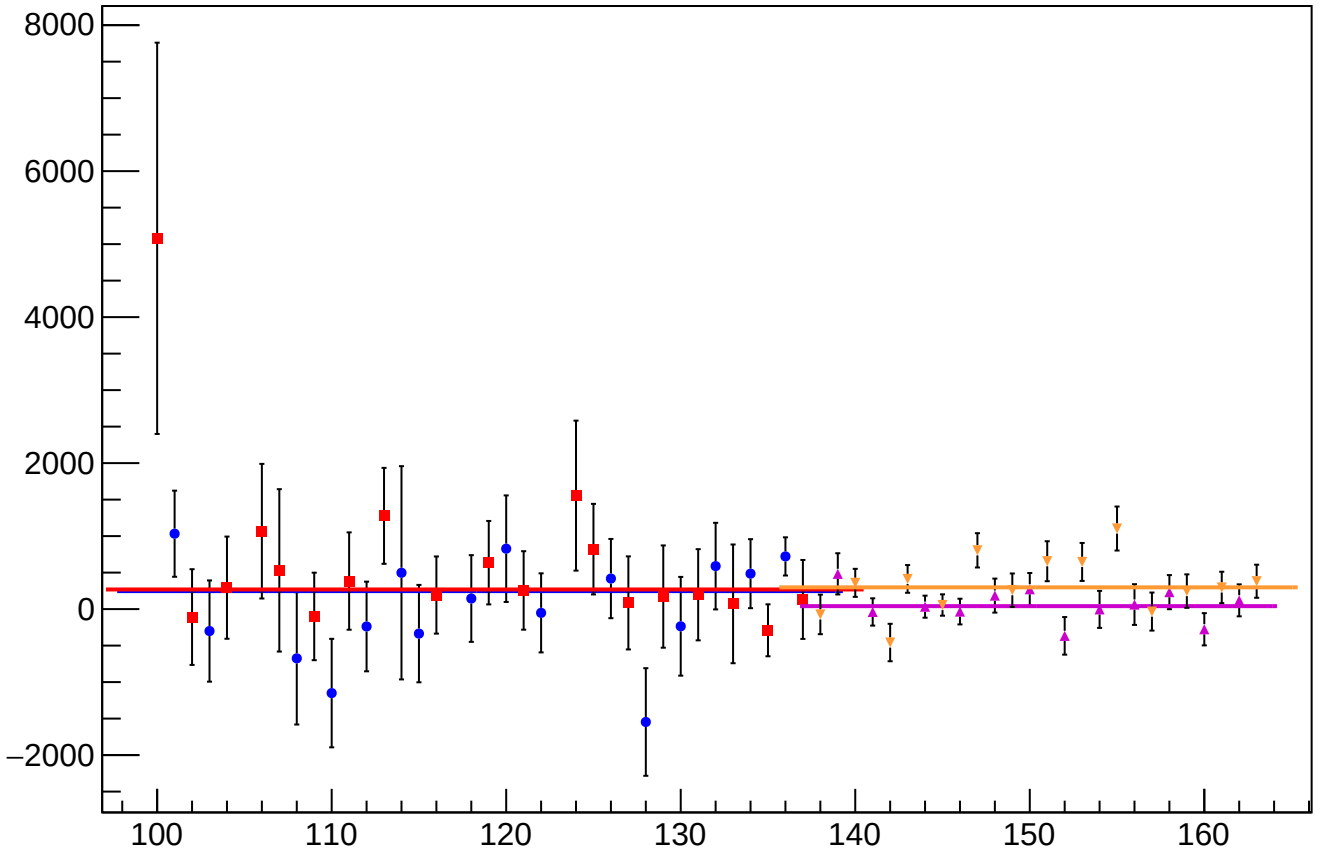
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.700+/-0.006 χ^2/NDF:74694.6/11

+ sign 29.099+/-0.005 χ^2/NDF: 1338054.8/29

All: 29.137+/-0.004 χ^2/NDF: 2814554.0/60

- sign 29.176+/-0.005 χ^2/NDF: 1476380.2/30



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 297.924+/-59.609 χ^2/NDF:30.9/13

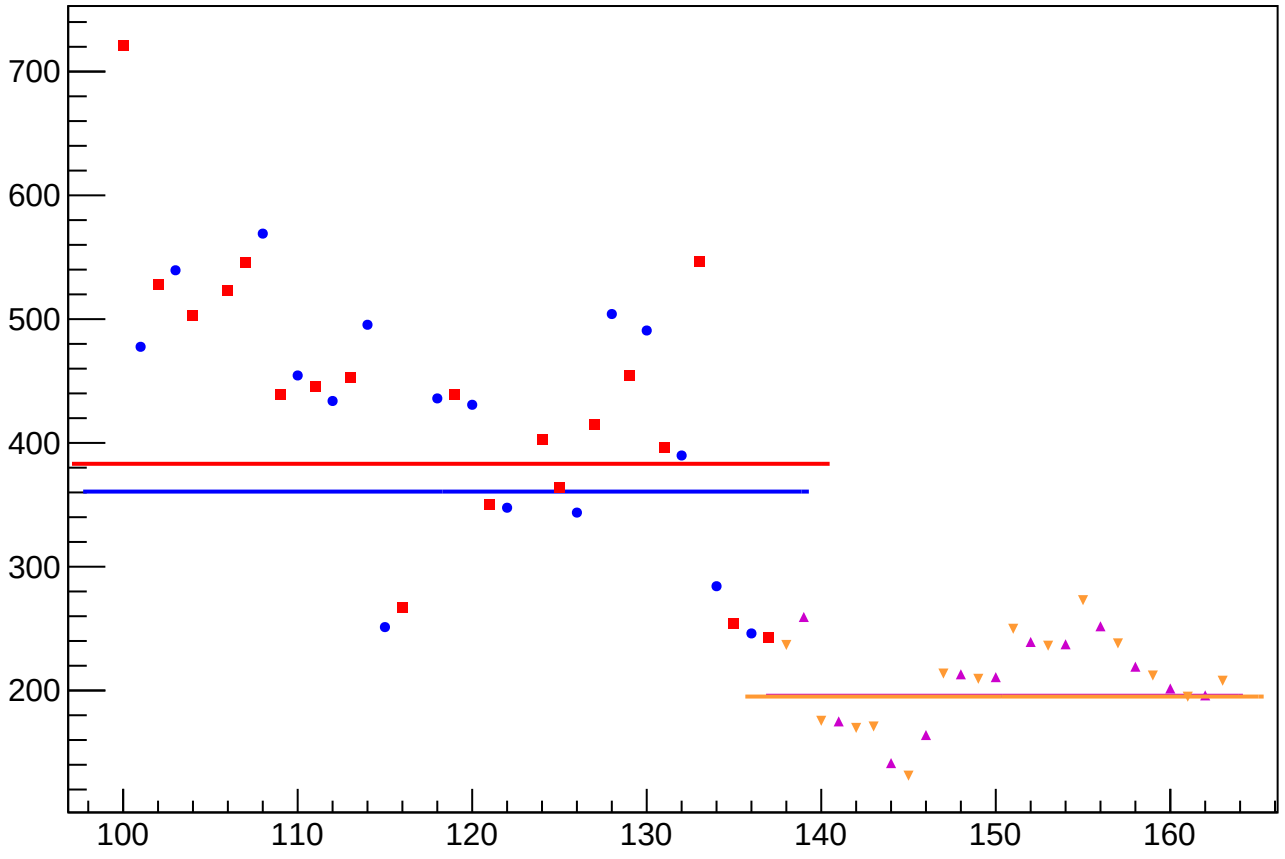
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: 40.470+/-62.124 χ^2/NDF:9.7/11

+ sign 290.059+/-54.861 χ^2/NDF: 50.8/29

All: 187.242+/-39.568 χ^2/NDF: 82.5/60

- sign 75.778+/-57.122 χ^2/NDF: 24.4/30



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 195.102+/-0.042 χ^2/NDF:856679.7/13

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

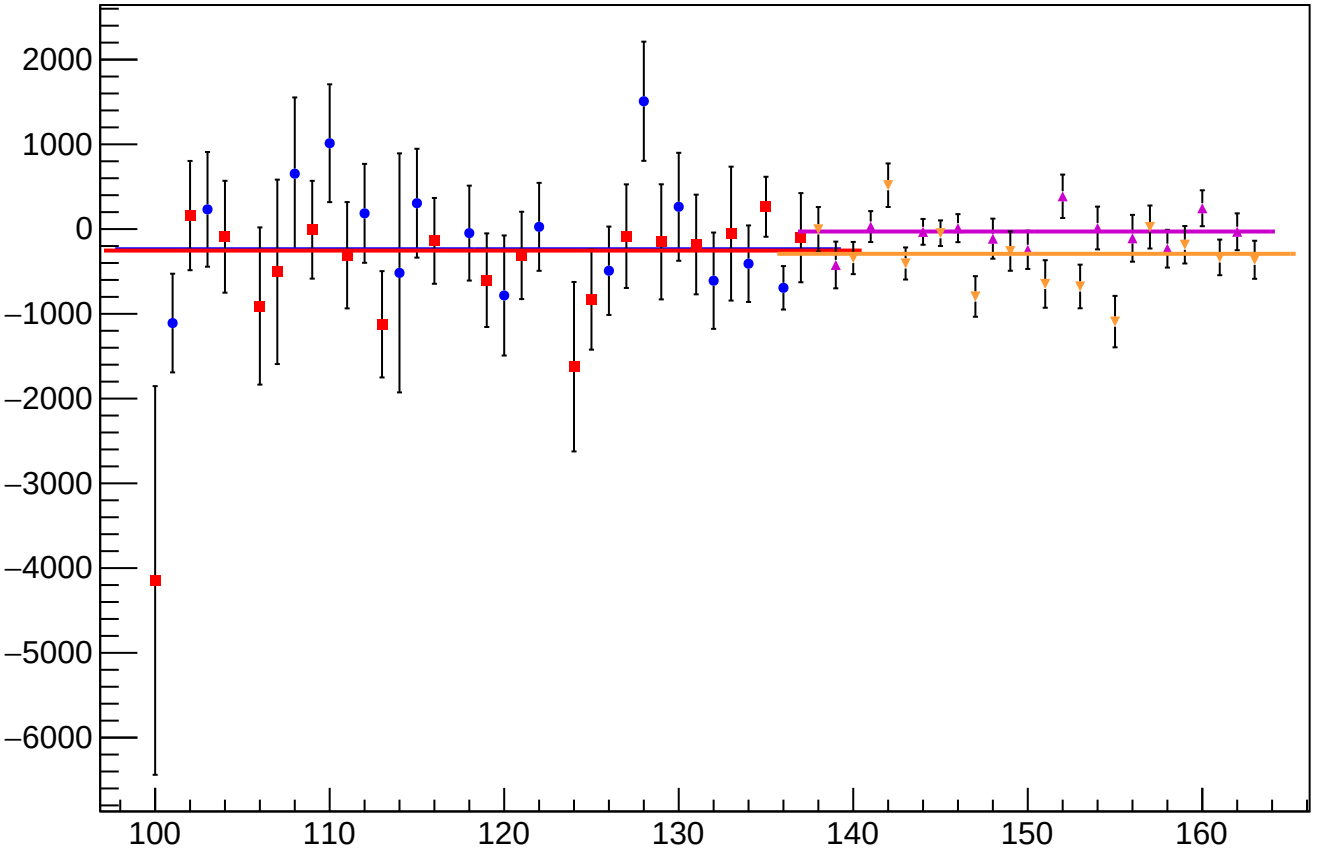
Left In: 195.760+/-0.044 χ^2/NDF:684325.9/11

+ sign 220.431+/-0.039 χ^2/NDF: 4310130.6/29

All: 222.489+/-0.028 χ^2/NDF: 8775437.8/60

- sign 224.720+/-0.040 χ^2/NDF: 4459440.7/30

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -291.740+/-59.543 χ^2/NDF:31.3/13

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

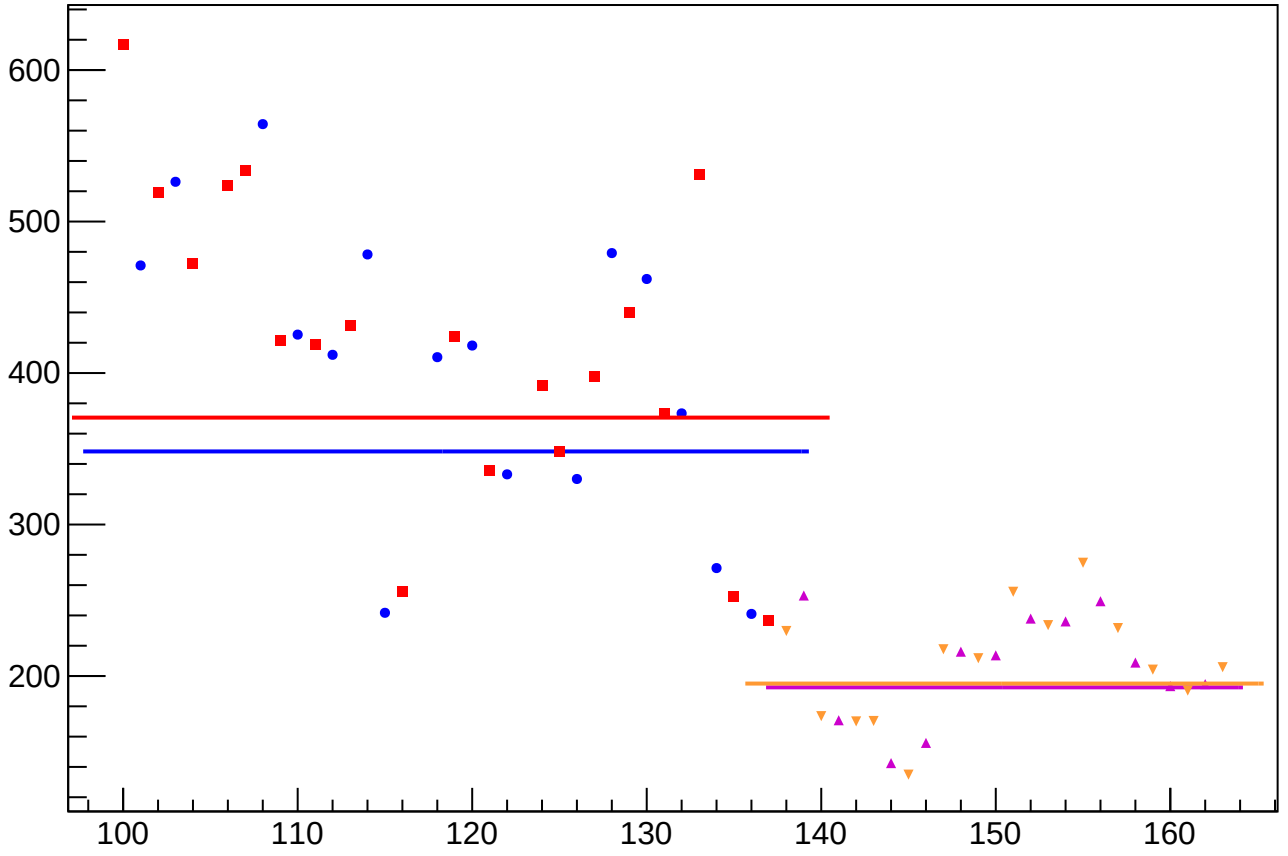
Left In: -28.787+/-61.080 χ^2/NDF:8.5/11

+ sign -283.033+/-54.502 χ^2/NDF: 51.4/29

All: -176.765+/-39.061 χ^2/NDF: 81.5/60

- sign -64.534+/-56.010 χ^2/NDF: 22.4/30

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 195.023+/-0.042 χ^2/NDF:784845.8/13

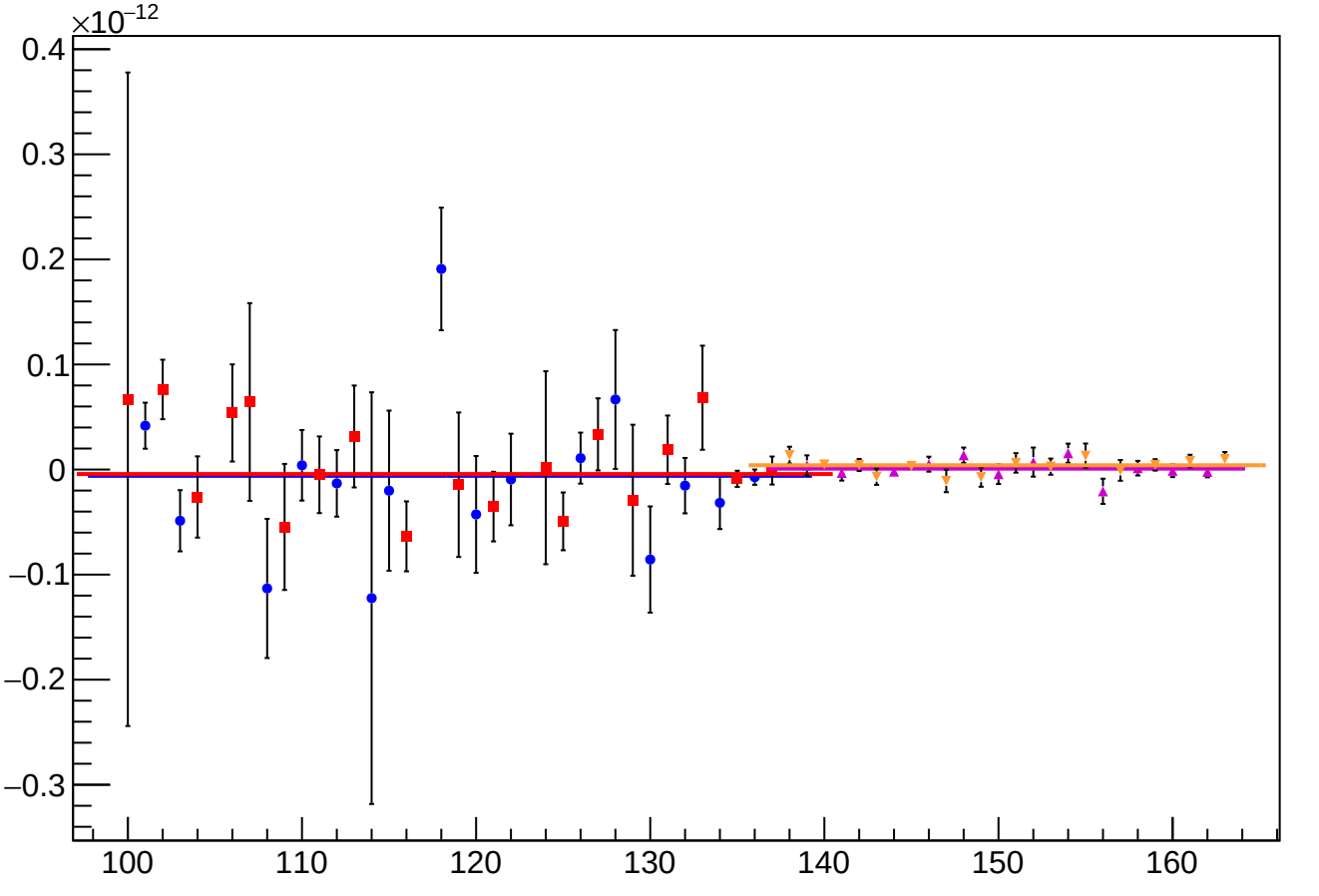
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.525+/-0.043 χ^2/NDF:694405.4/11

+ sign 219.869+/-0.039 χ^2/NDF: 3989358.9/29

All: 220.350+/-0.028 χ^2/NDF: 8306445.8/60

- sign 220.858+/-0.040 χ^2/NDF: 4316767.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

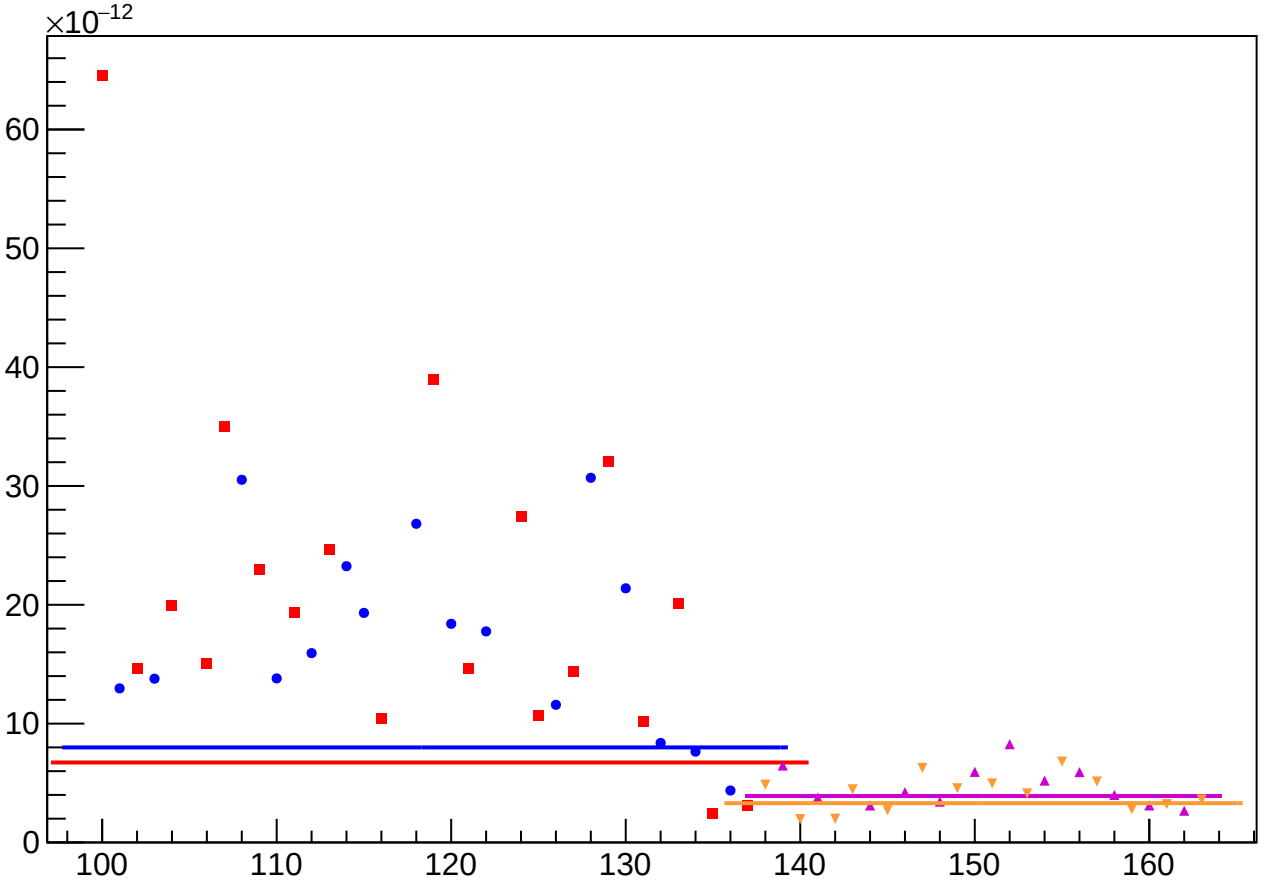
Left In: 0.000+/-0.000 χ^2/NDF:10.9/11

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/29

All: 0.000+/-0.000 χ^2/NDF: 75.3/60

- sign 0.000+/-0.000 χ^2/NDF: 34.7/30

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1023912.1/13

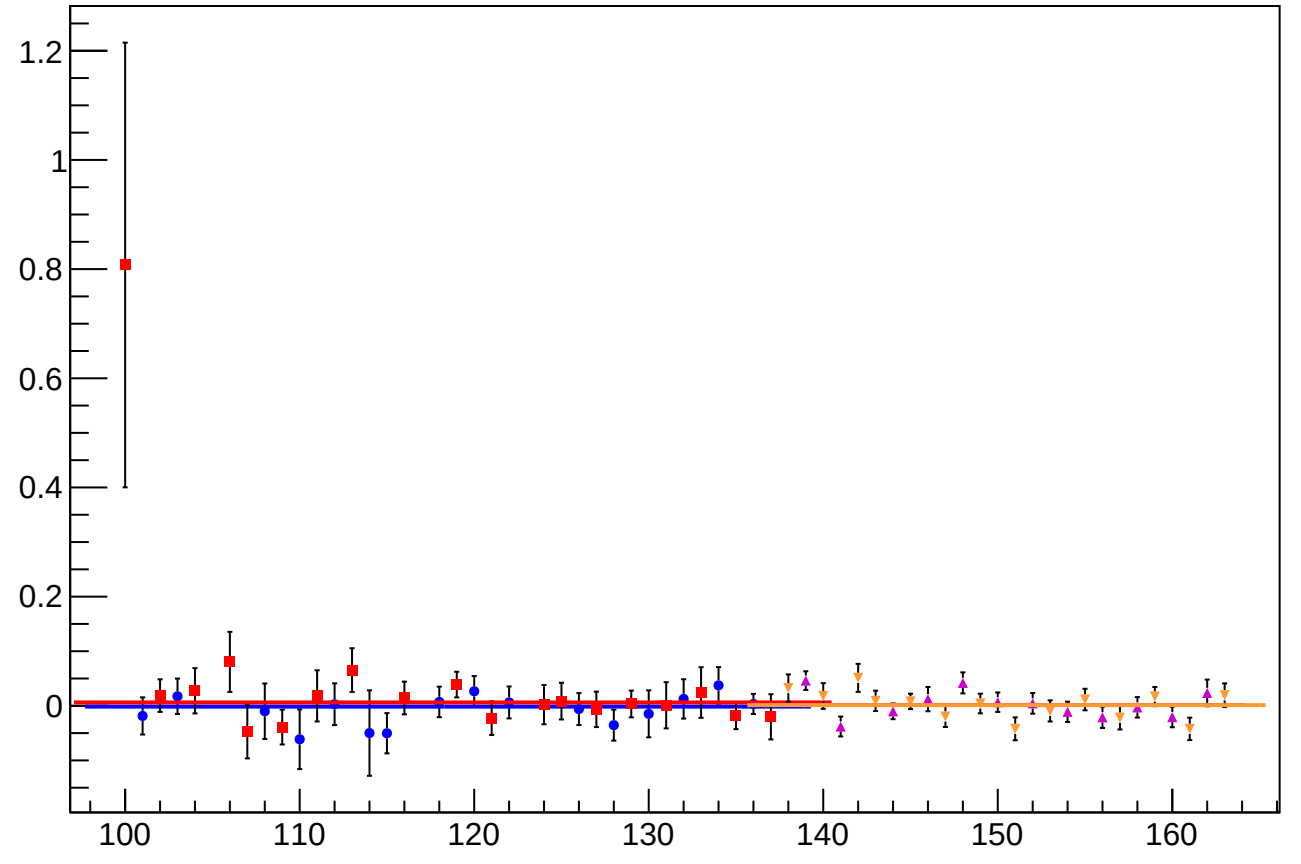
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:747271.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 4215112.3/29

All: 0.000+/-0.000 χ^2/NDF: 8881573.7/60

- sign 0.000+/-0.000 χ^2/NDF: 4579684.4/30



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

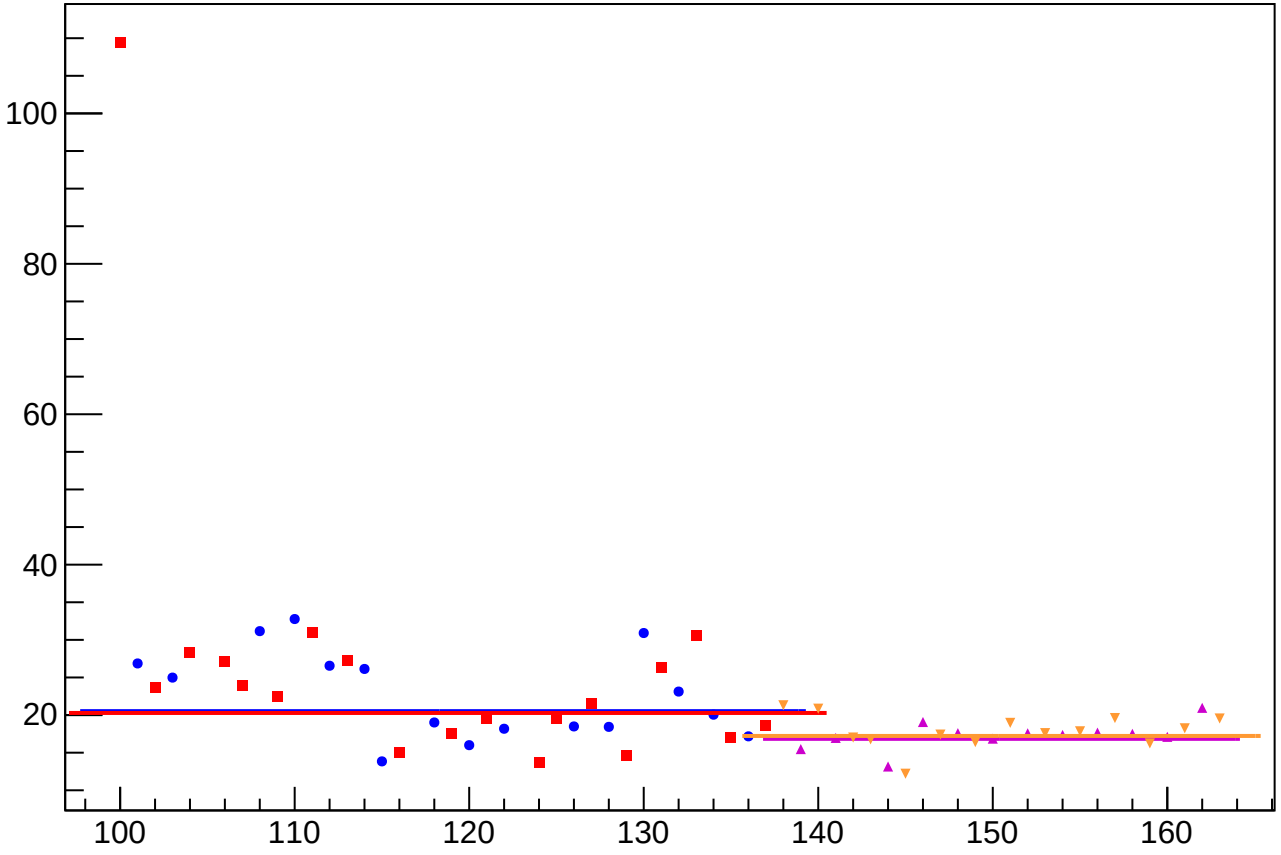
Left In: 0.002+/-0.005 χ^2/NDF:20.9/11

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.002+/-0.003 χ^2/NDF: 65.4/60

- sign 0.003+/-0.004 χ^2/NDF: 37.4/30

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: 17.225+/-0.004 χ^2/NDF:434235.5/13

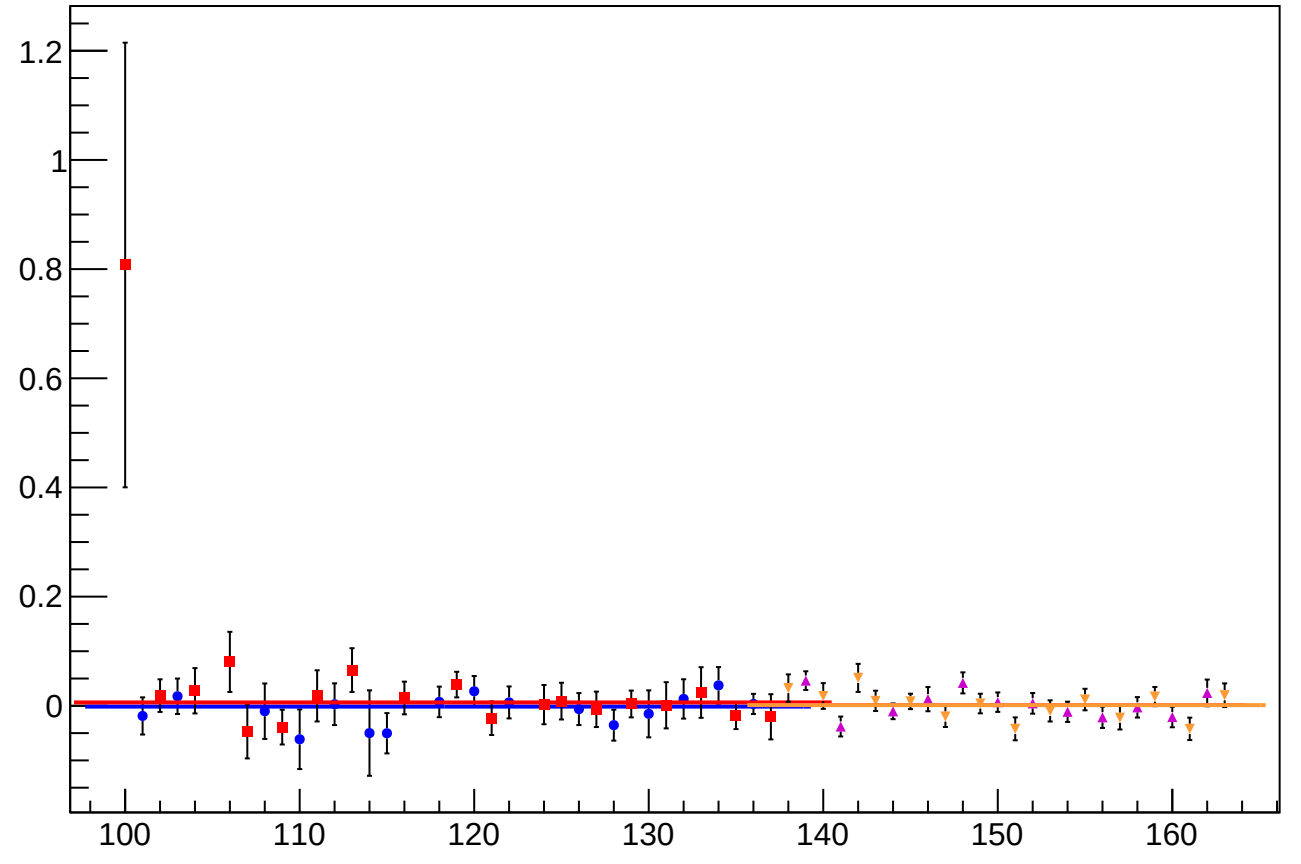
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.839+/-0.004 χ^2/NDF:234405.4/11

+ sign 18.212+/-0.003 χ^2/NDF: 1374664.3/29

All: 18.071+/-0.002 χ^2/NDF: 2738278.0/60

- sign 17.928+/-0.003 χ^2/NDF: 1359487.6/30



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

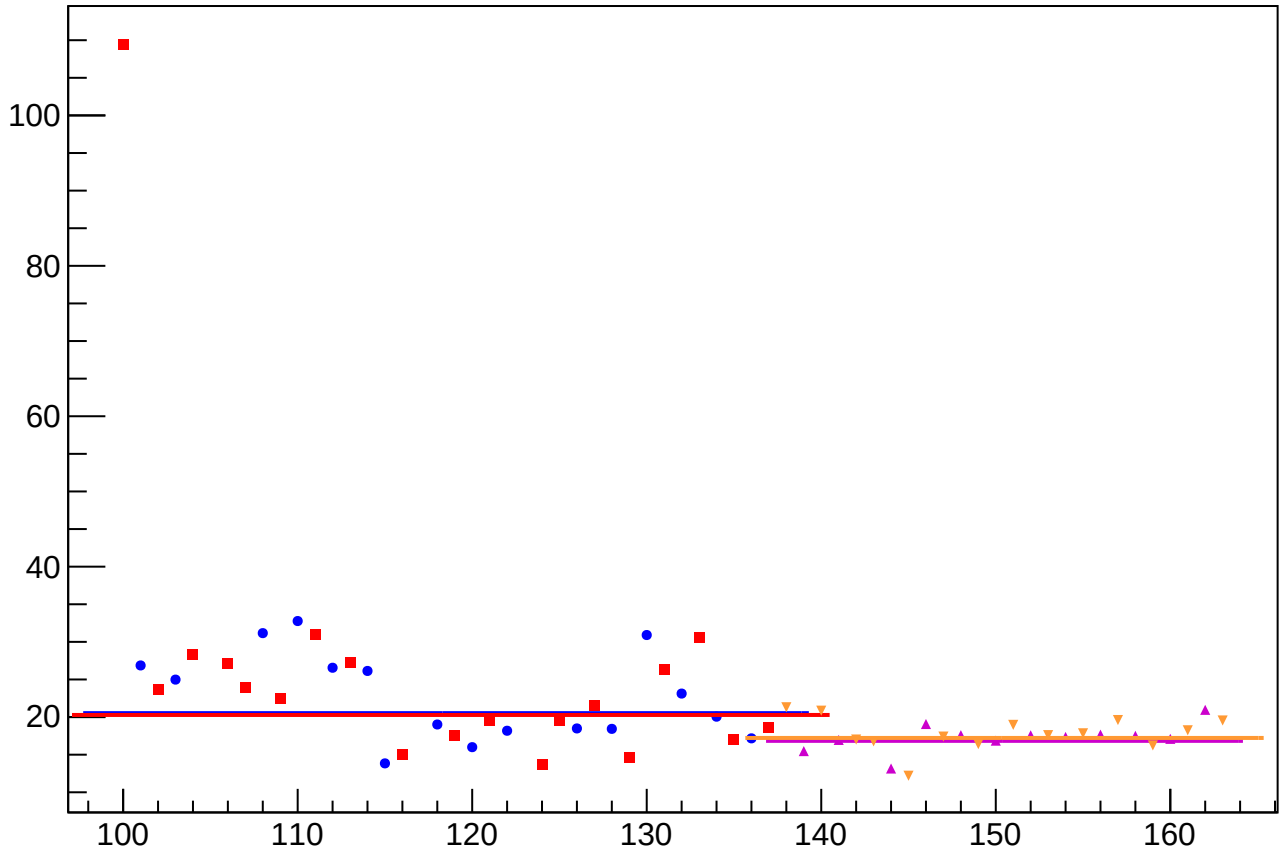
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.005 χ^2/NDF:20.9/11

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.002+/-0.003 χ^2/NDF: 65.4/60

- sign 0.003+/-0.004 χ^2/NDF: 37.4/30



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.225+/-0.004 χ^2/NDF:434235.5/13

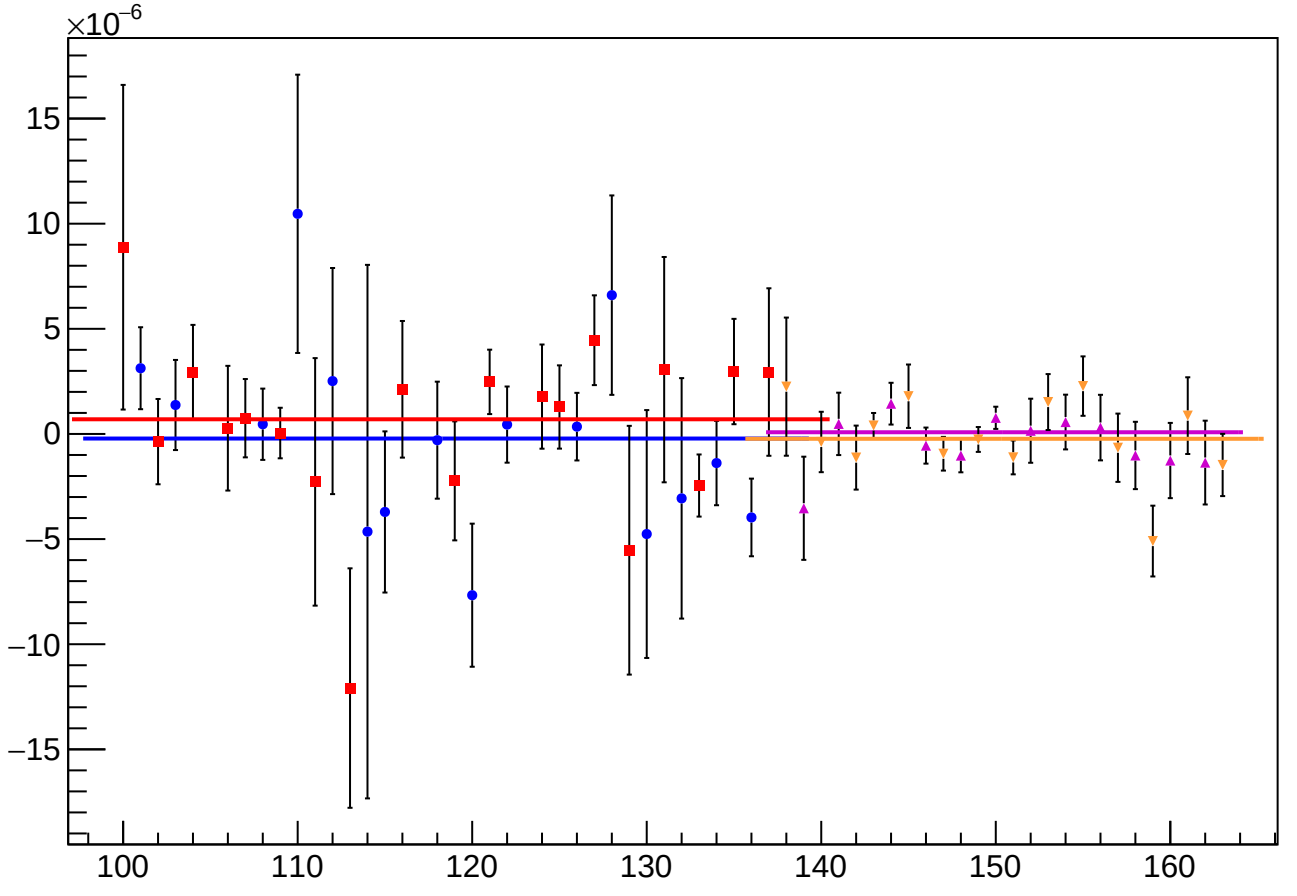
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.839+/-0.004 χ^2/NDF:234405.4/11

+ sign 18.212+/-0.003 χ^2/NDF: 1374664.3/29

All: 18.071+/-0.002 χ^2/NDF: 2738278.0/60

- sign 17.928+/-0.003 χ^2/NDF: 1359487.6/30



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/13

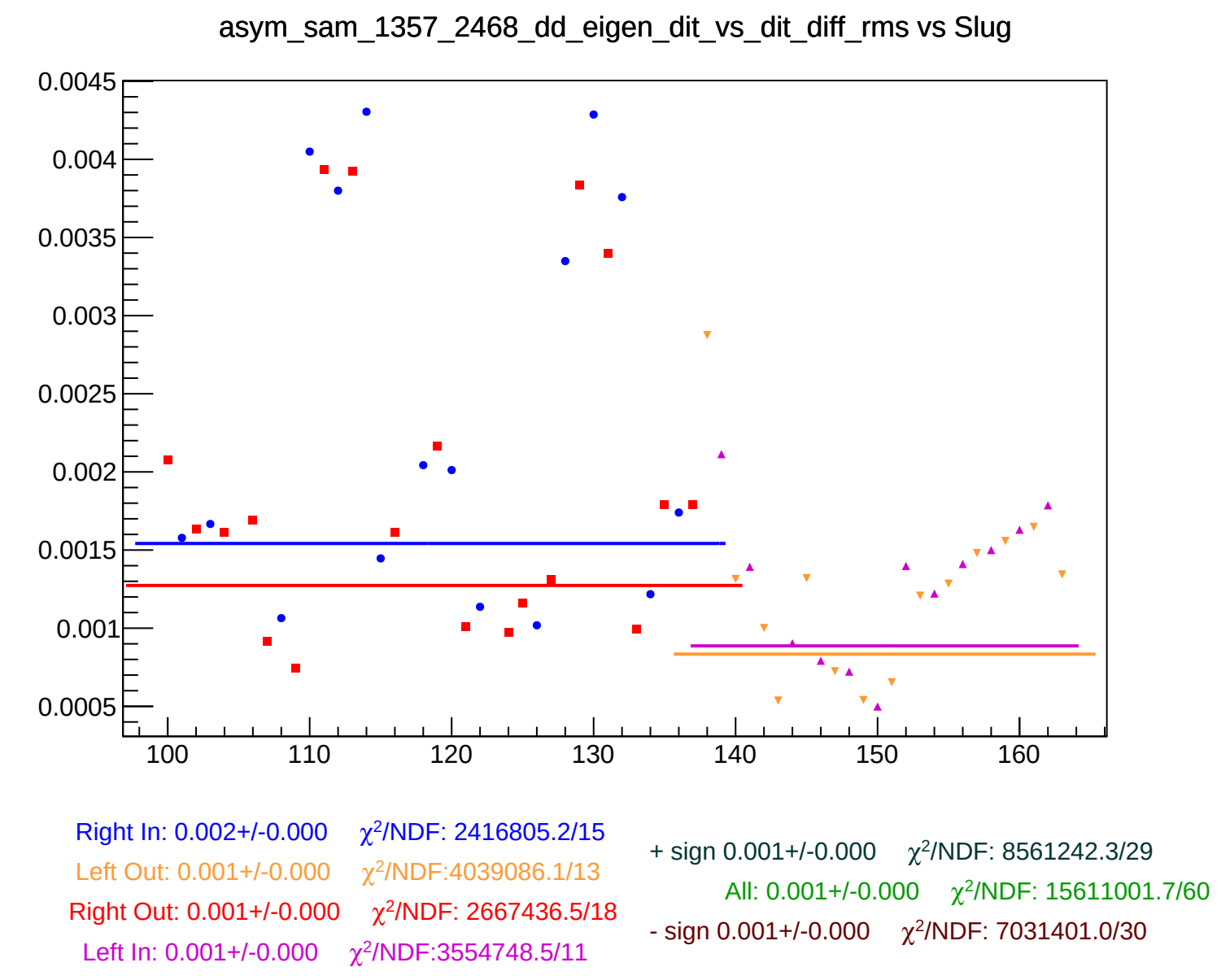
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.0/11

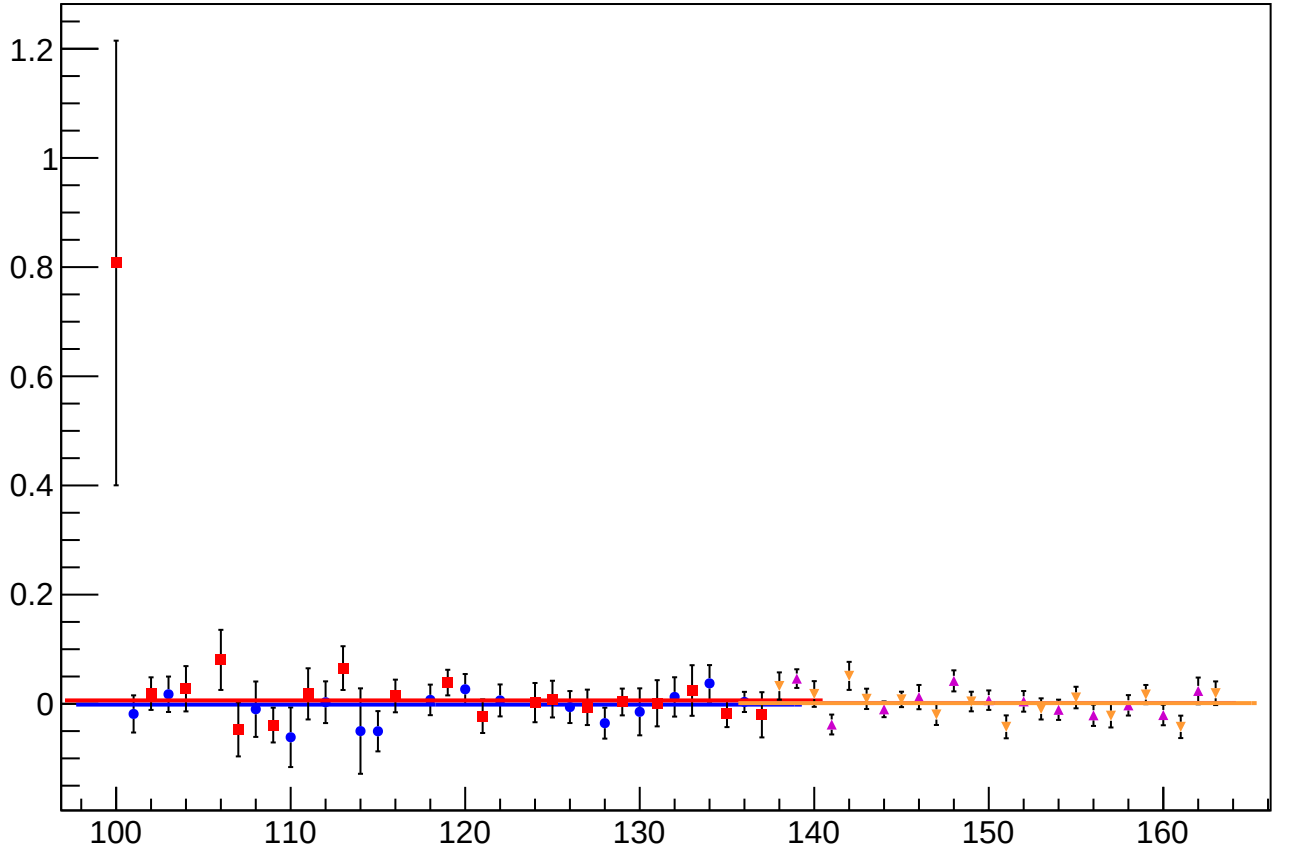
+ sign -0.000+/-0.000 χ^2/NDF: 40.1/29

All: -0.000+/-0.000 χ^2/NDF: 73.8/60

- sign 0.000+/-0.000 χ^2/NDF: 32.1/30


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
160
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:4039086.1/13
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:3554748.5/11
+ sign 0.001+/-0.000 χ²/NDF: 8561242.3/29
All: 0.001+/-0.000 χ²/NDF: 15611001.7/60
- sign 0.001+/-0.000 χ²/NDF: 7031401.0/30

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

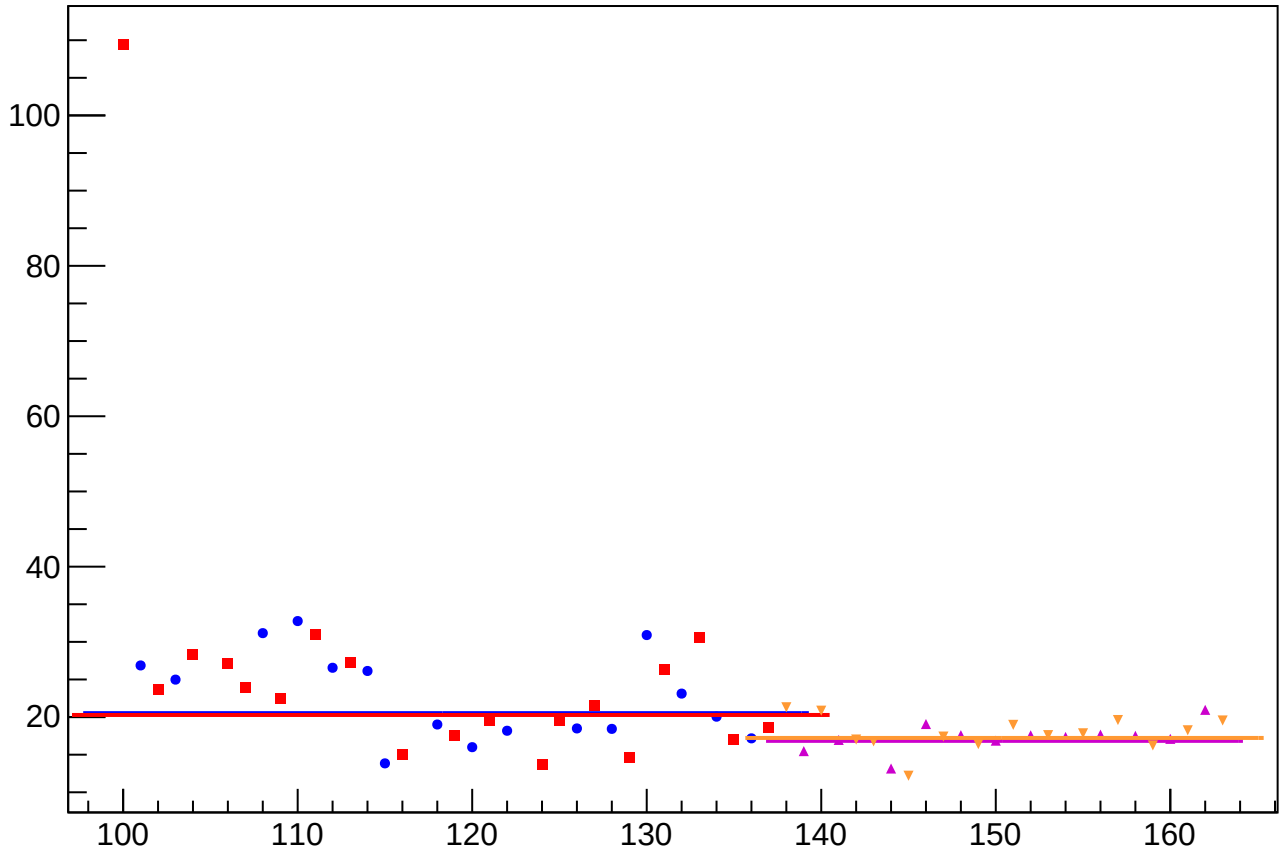
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.002+/-0.005 χ^2/NDF:20.9/11

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.002+/-0.003 χ^2/NDF: 65.4/60

- sign 0.003+/-0.004 χ^2/NDF: 37.4/30



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.225+/-0.004 χ^2/NDF:434187.5/13

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

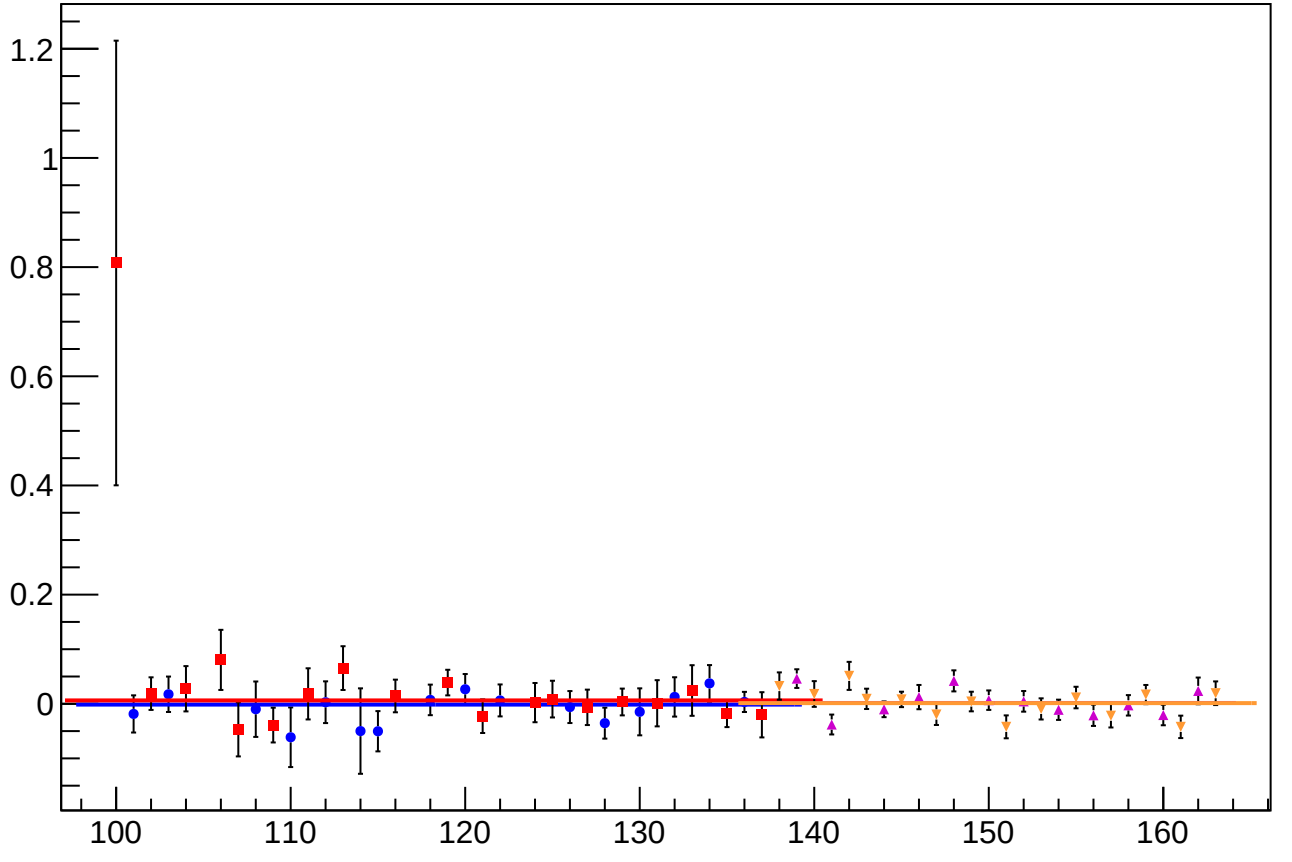
Left In: 16.839+/-0.004 χ^2/NDF:234420.9/11

+ sign 18.212+/-0.003 χ^2/NDF: 1374393.6/29

All: 18.070+/-0.002 χ^2/NDF: 2737930.1/60

- sign 17.928+/-0.003 χ^2/NDF: 1359406.0/30

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: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

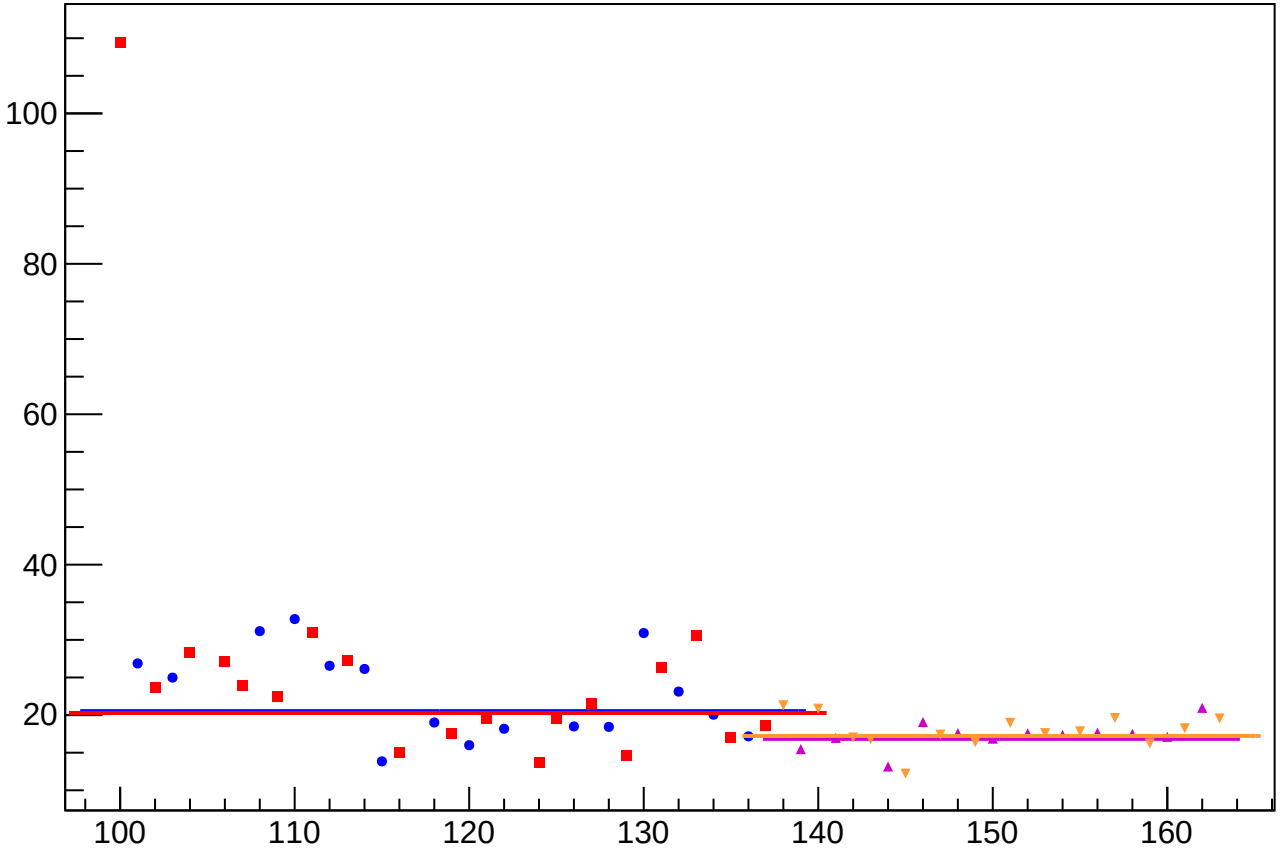
Left In: 0.002+/-0.005 χ^2/NDF:20.9/11

+ sign 0.000+/-0.004 χ^2/NDF: 27.8/29

All: 0.002+/-0.003 χ^2/NDF: 65.4/60

- sign 0.003+/-0.004 χ^2/NDF: 37.4/30

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.225+/-0.004 χ^2/NDF:434187.5/13

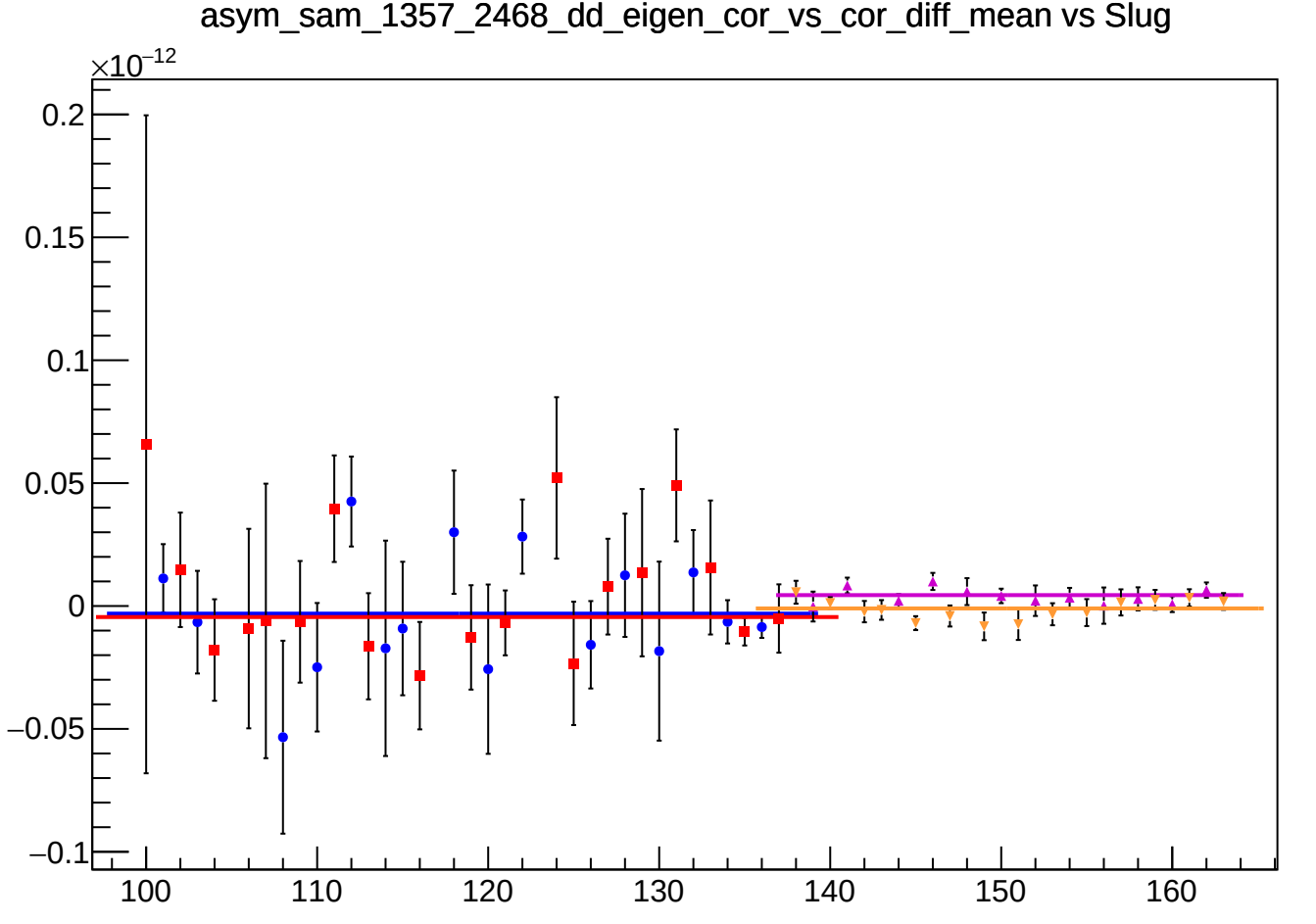
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.839+/-0.004 χ^2/NDF:234420.9/11

+ sign 18.212+/-0.003 χ^2/NDF: 1374393.6/29

All: 18.070+/-0.002 χ^2/NDF: 2737930.1/60

- sign 17.928+/-0.003 χ^2/NDF: 1359406.0/30



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

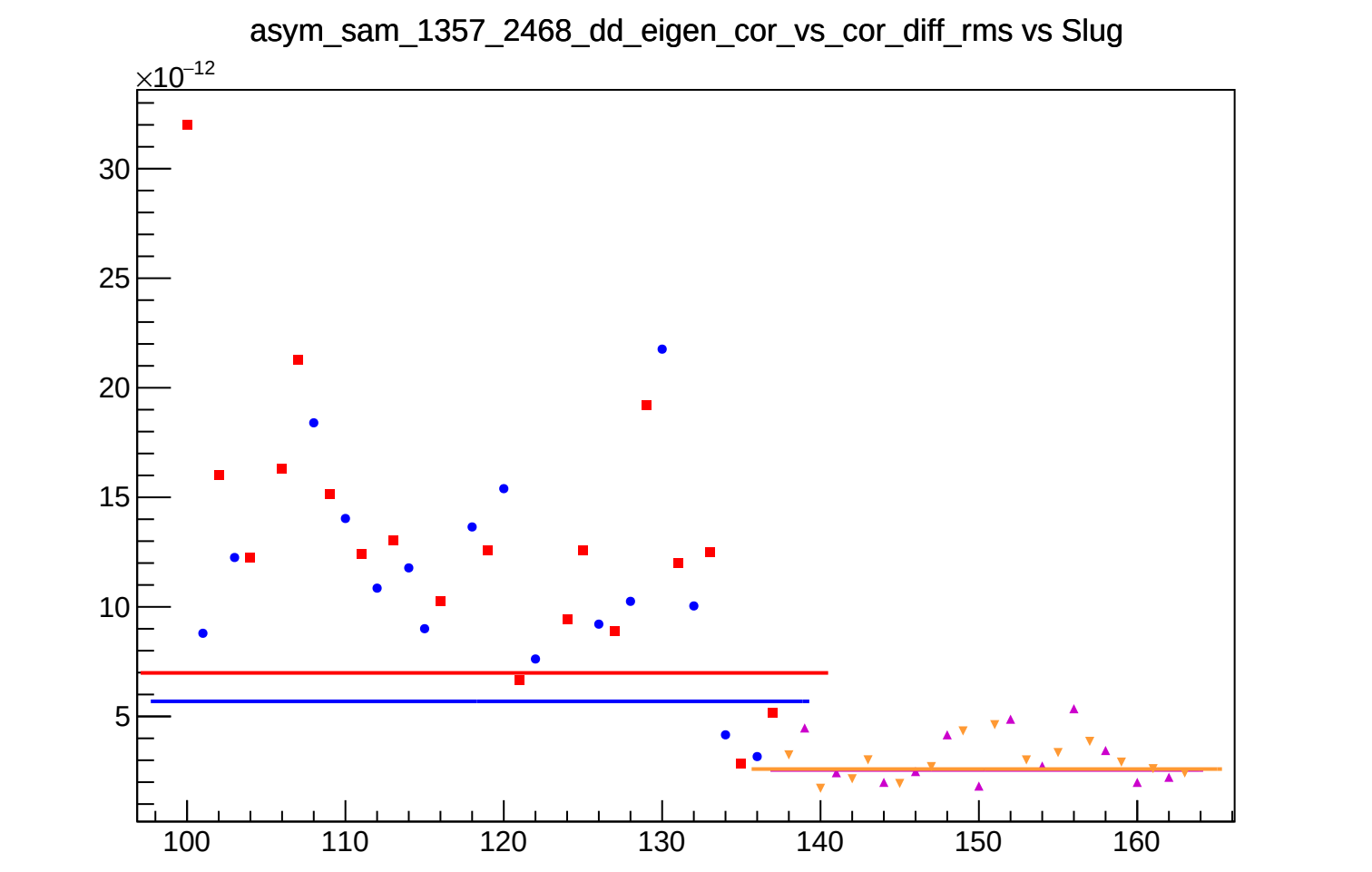
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/11

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/29

All: 0.000+/-0.000 χ^2/NDF: 77.8/60

- sign 0.000+/-0.000 χ^2/NDF: 31.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1044652.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

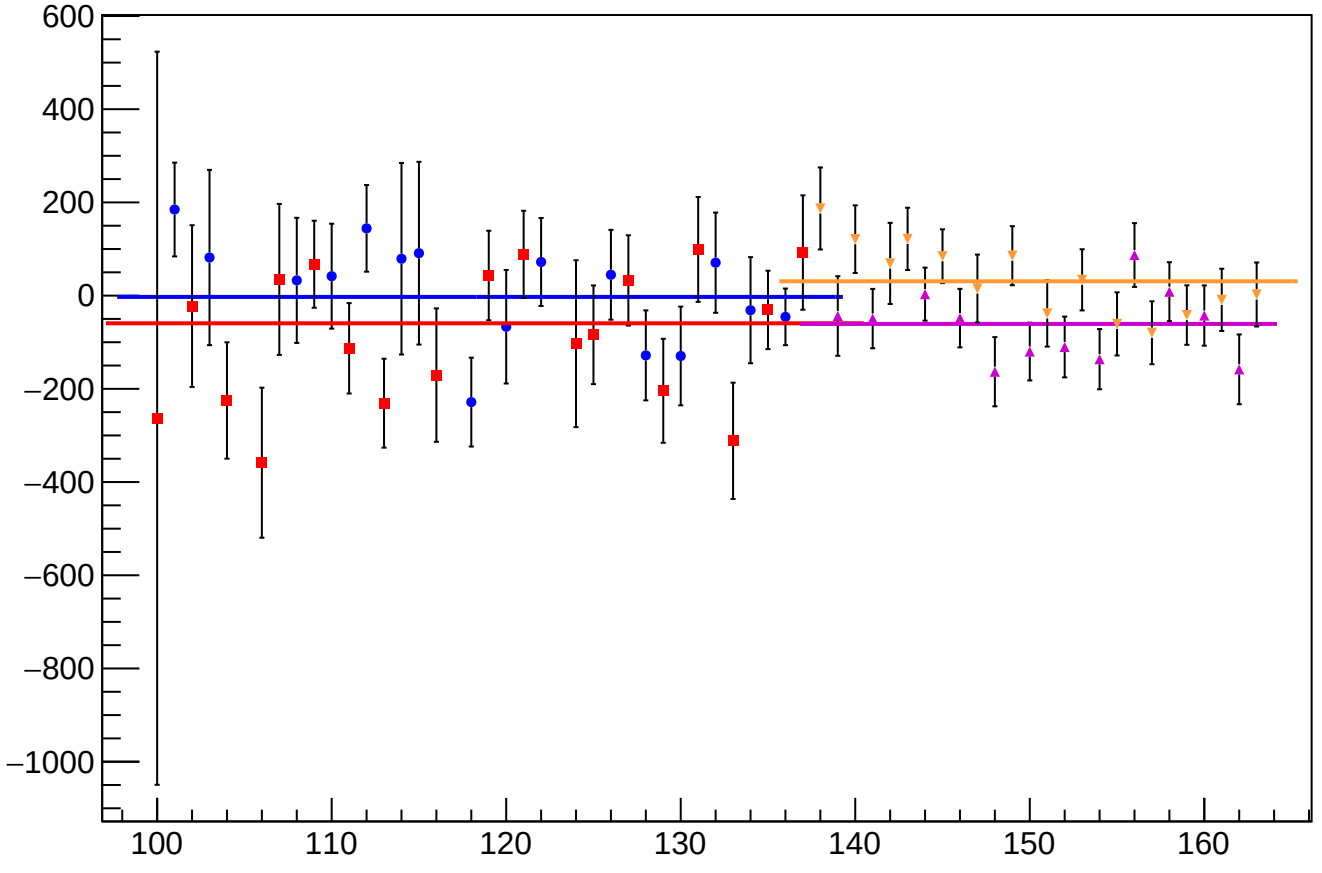
Left In: 0.000+/-0.000 χ^2/NDF:1311050.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 5385804.5/29

All: 0.000+/-0.000 χ^2/NDF: 12239736.1/60

- sign 0.000+/-0.000 χ^2/NDF: 6853918.7/30

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.750+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

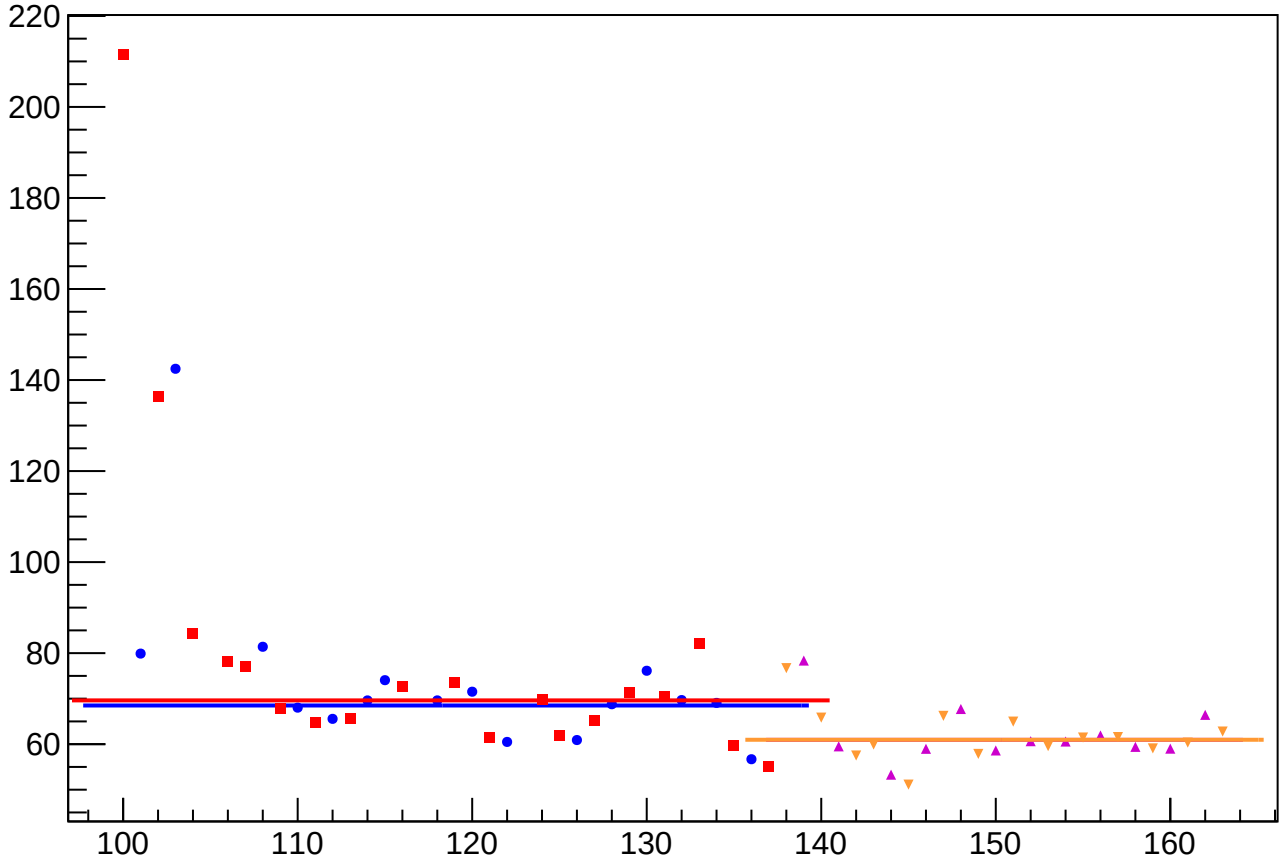
Left In: -60.732+/-19.092 χ^2/NDF:13.8/11

+ sign 19.709+/-15.045 χ^2/NDF: 34.5/29

All: -19.169+/-10.785 χ^2/NDF: 87.7/60

- sign -60.256+/-15.467 χ^2/NDF: 39.5/30

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

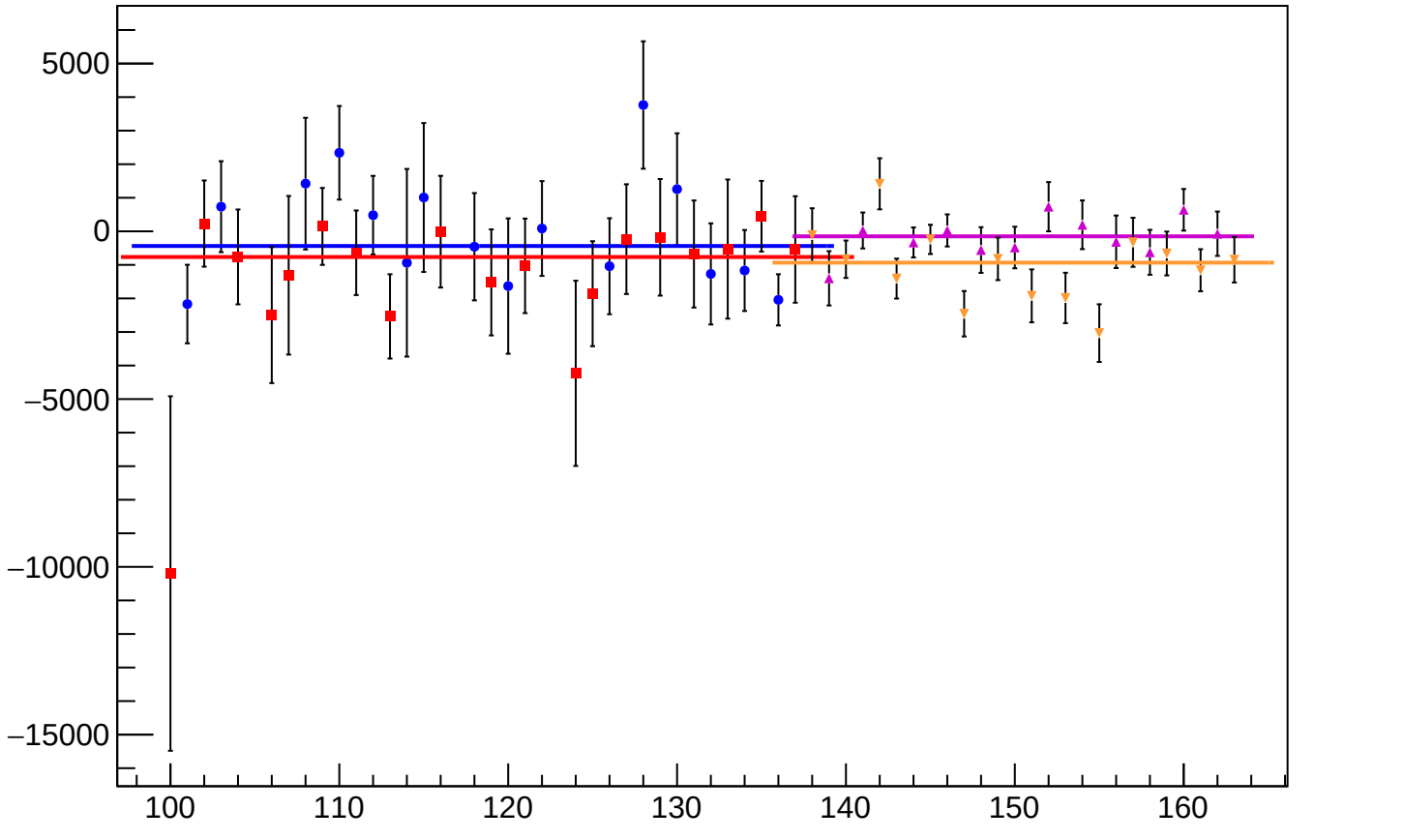
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

+ sign 63.449+/-0.011 χ^2/NDF: 743475.2/29

All: 63.681+/-0.008 χ^2/NDF: 1562790.3/60

- sign 63.926+/-0.011 χ^2/NDF: 818334.6/30



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -933.510+/-174.239 χ^2/NDF:29.4/13

Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

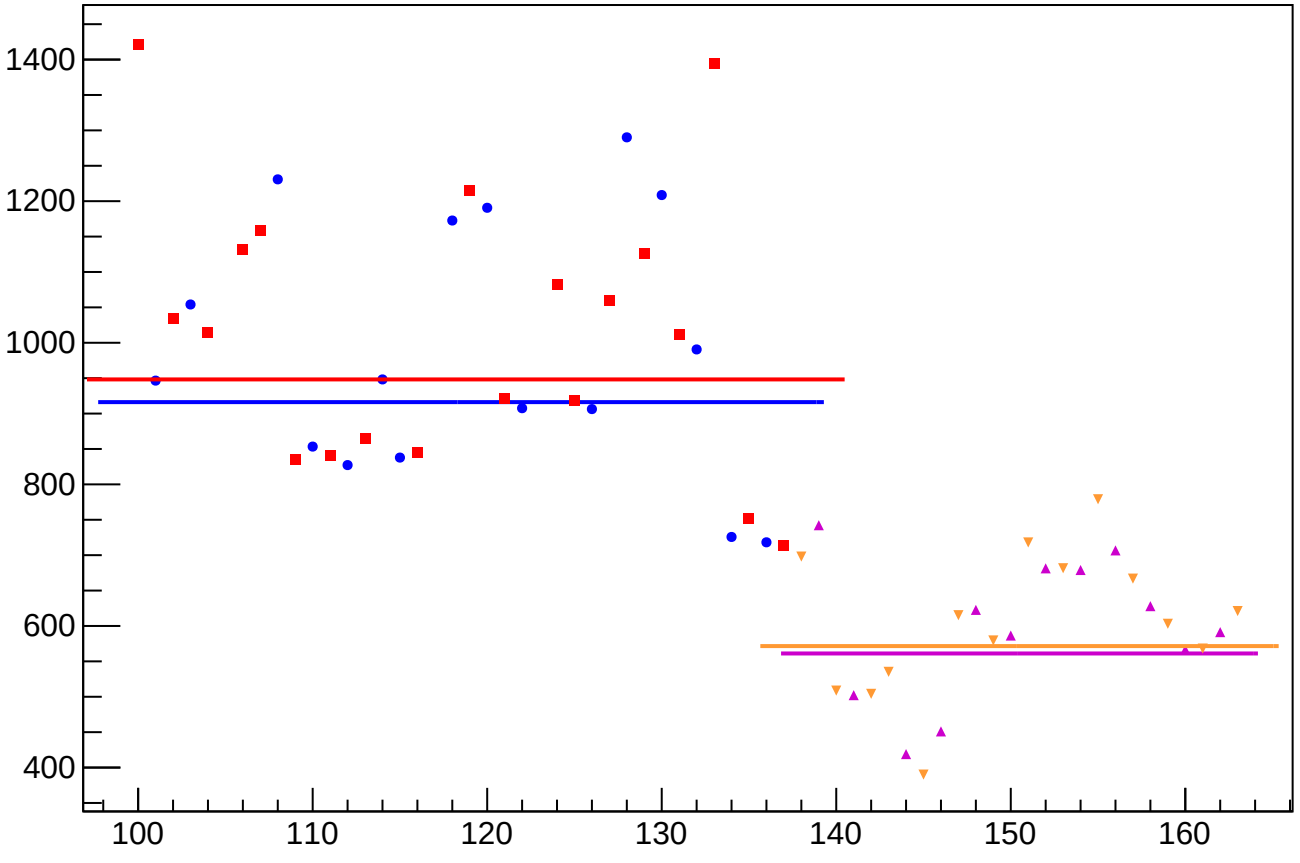
Left In: -149.194+/-177.858 χ^2/NDF:7.3/11

+ sign -834.479+/-155.880 χ^2/NDF: 51.5/29

All: -559.467+/-111.256 χ^2/NDF: 79.0/60

- sign -273.912+/-158.840 χ^2/NDF: 21.1/30

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 571.578+/-0.123 χ^2/NDF:730986.0/13

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

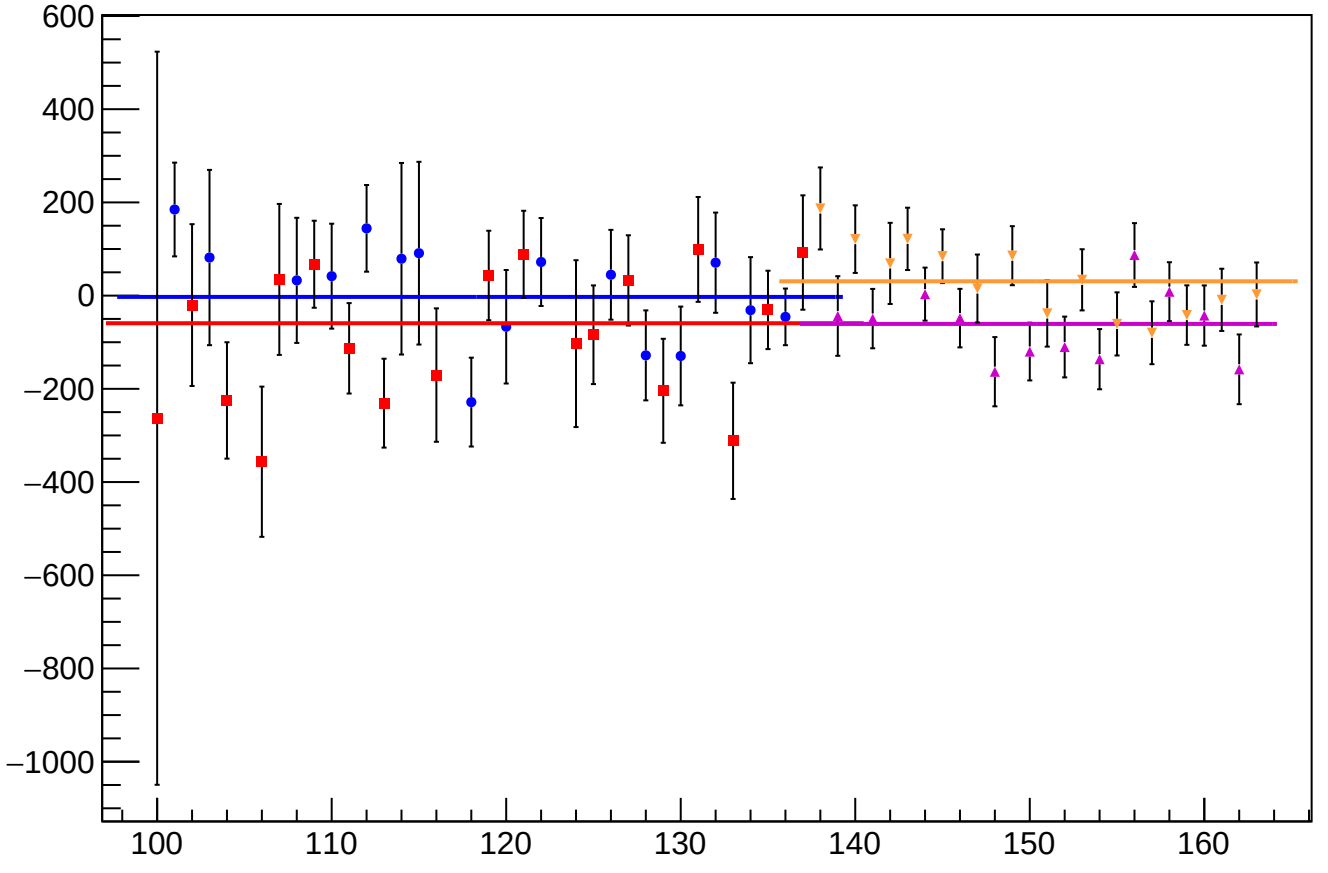
Left In: 561.153+/-0.126 χ^2/NDF:650956.0/11

+ sign 640.370+/-0.110 χ^2/NDF: 2801745.6/29

All: 639.946+/-0.079 χ^2/NDF: 5785423.5/60

- sign 639.505+/-0.112 χ^2/NDF: 2983647.7/30

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

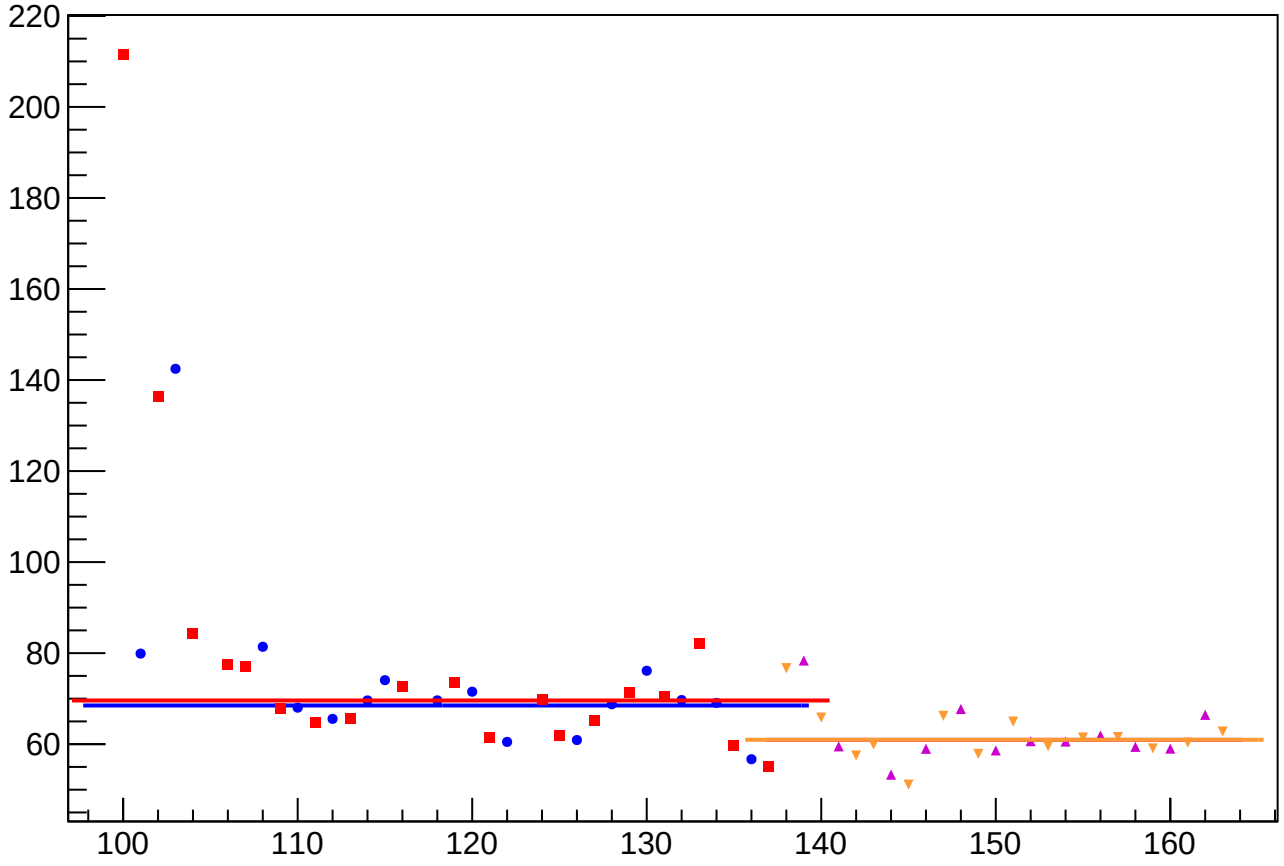
Left In: -60.732+/-19.092 χ^2/NDF:13.8/11

+ sign 19.708+/-15.045 χ^2/NDF: 34.5/29

All: -19.148+/-10.785 χ^2/NDF: 87.6/60

- sign -60.215+/-15.467 χ^2/NDF: 39.4/30

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

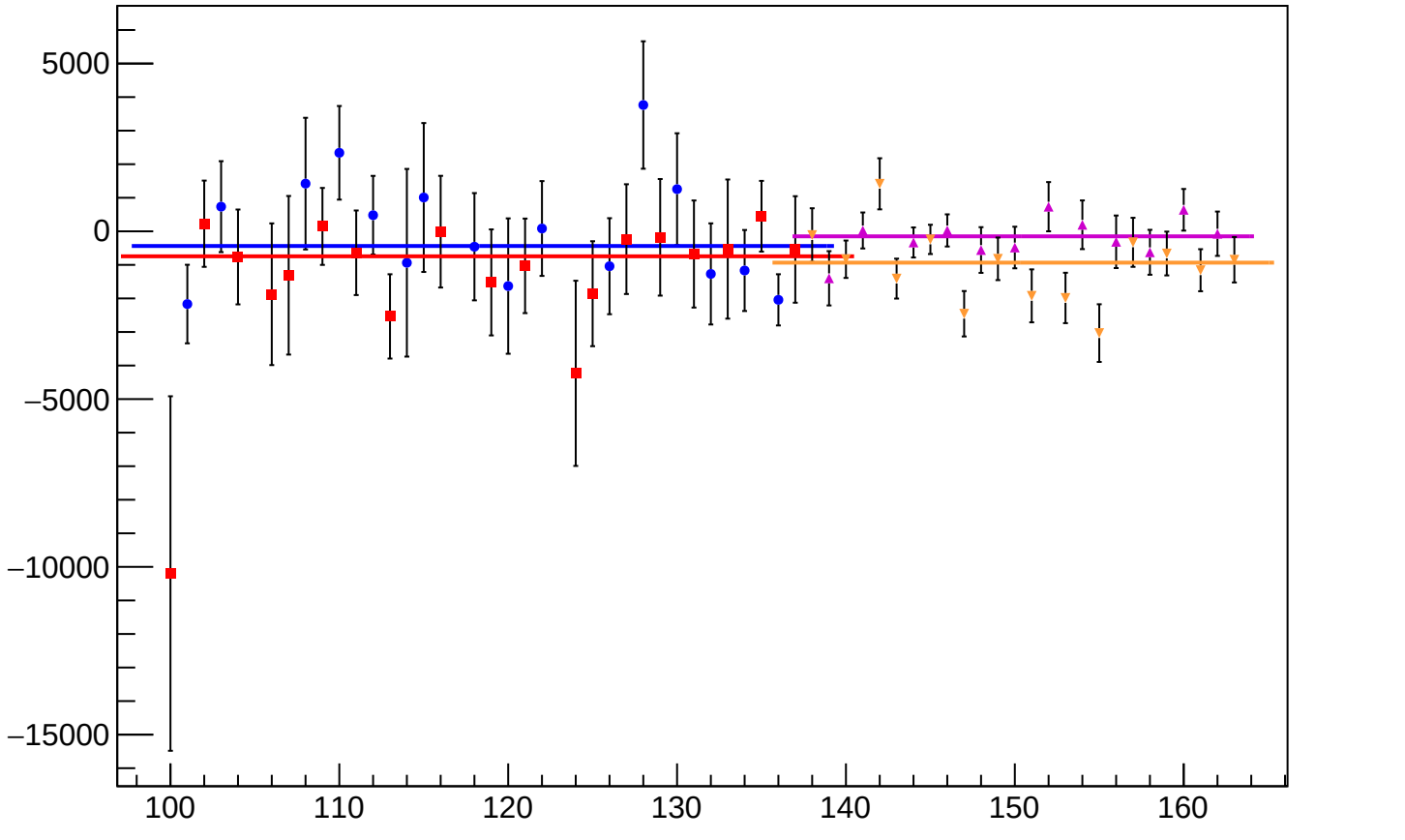
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

+ sign 63.449+/-0.011 χ^2/NDF: 743478.2/29

All: 63.678+/-0.008 χ^2/NDF: 1561513.8/60

- sign 63.920+/-0.011 χ^2/NDF: 817082.8/30



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -933.505+/-174.239 χ^2/NDF:29.4/13

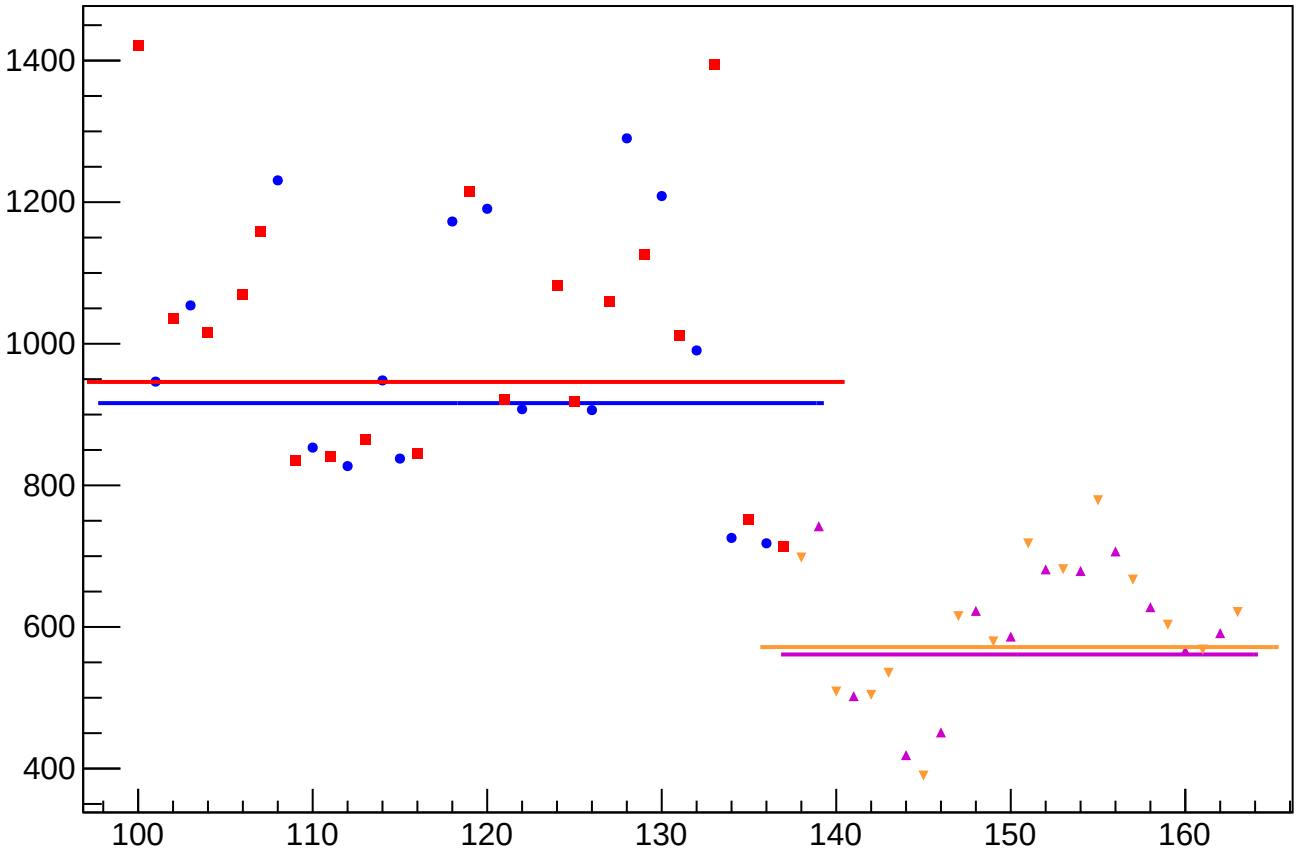
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -149.196+/-177.858 χ^2/NDF:7.3/11

\+ sign -834.471+/-155.880 χ^2/NDF: 51.5/29

All: -557.337+/-111.269 χ^2/NDF: 78.4/60

\- sign -269.435+/-158.880 χ^2/NDF: 20.4/30



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

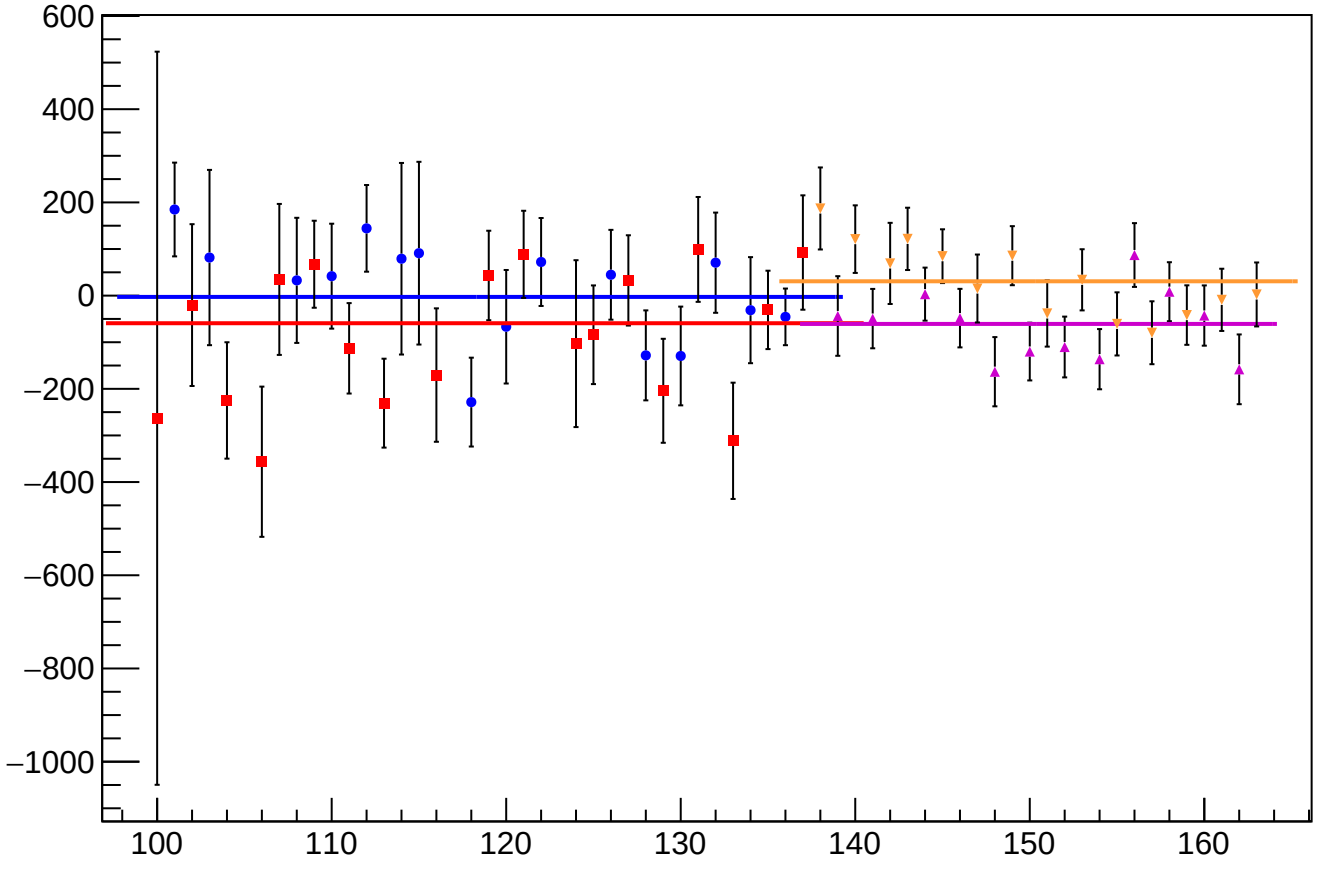
Left In: 561.153+/-0.126 χ^2/NDF:650953.8/11

+ sign 640.370+/-0.110 χ^2/NDF: 2801795.4/29

All: 639.658+/-0.079 χ^2/NDF: 5750844.1/60

- sign 638.918+/-0.112 χ^2/NDF: 2948963.5/30

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

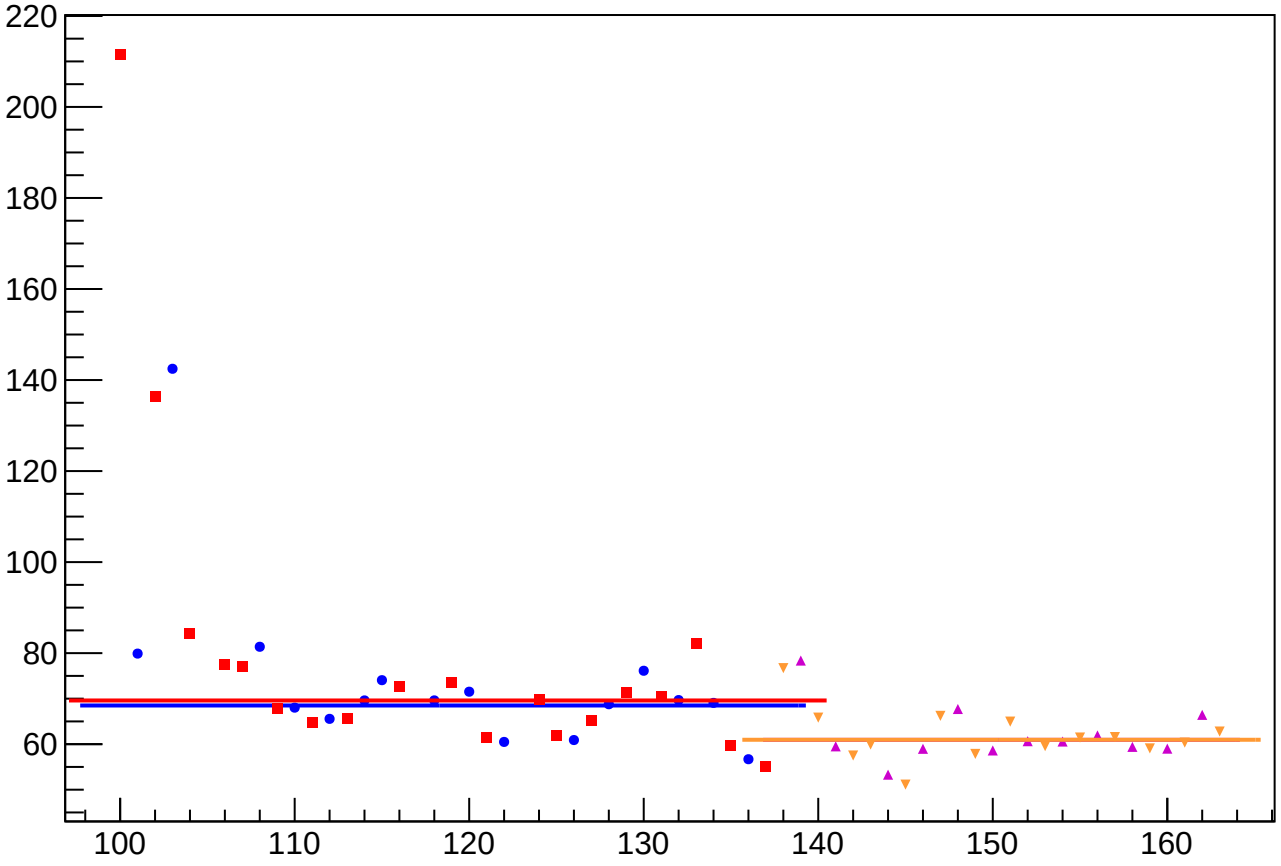
Left In: -60.732+/-19.092 χ^2/NDF:13.8/11

+ sign 19.708+/-15.045 χ^2/NDF: 34.5/29

All: -19.148+/-10.785 χ^2/NDF: 87.6/60

- sign -60.215+/-15.467 χ^2/NDF: 39.4/30

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

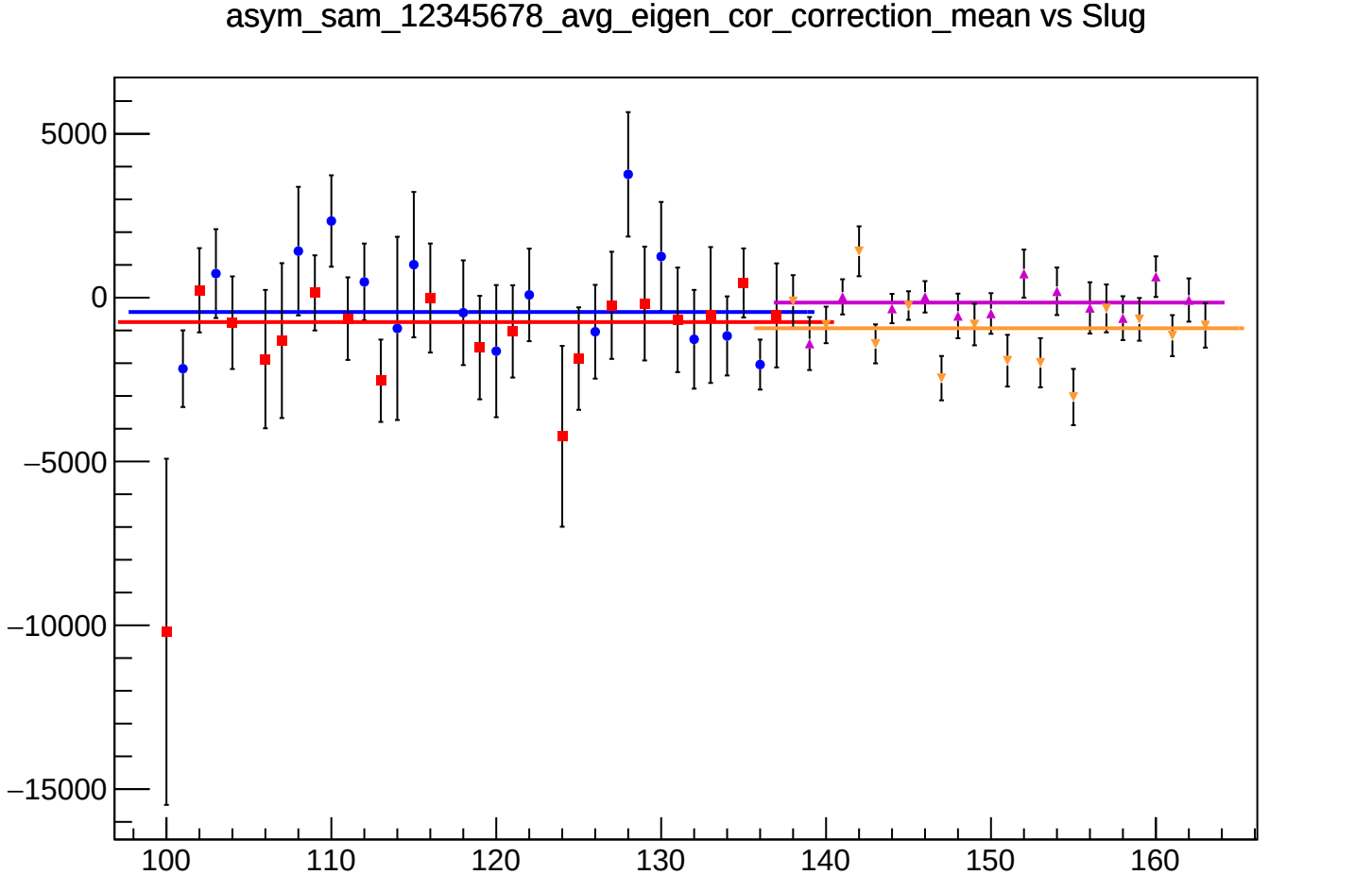
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

+ sign 63.449+/-0.011 χ^2/NDF: 743478.2/29

All: 63.678+/-0.008 χ^2/NDF: 1561513.8/60

- sign 63.920+/-0.011 χ^2/NDF: 817082.8/30



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -933.505+/-174.239 χ^2/NDF:29.4/13

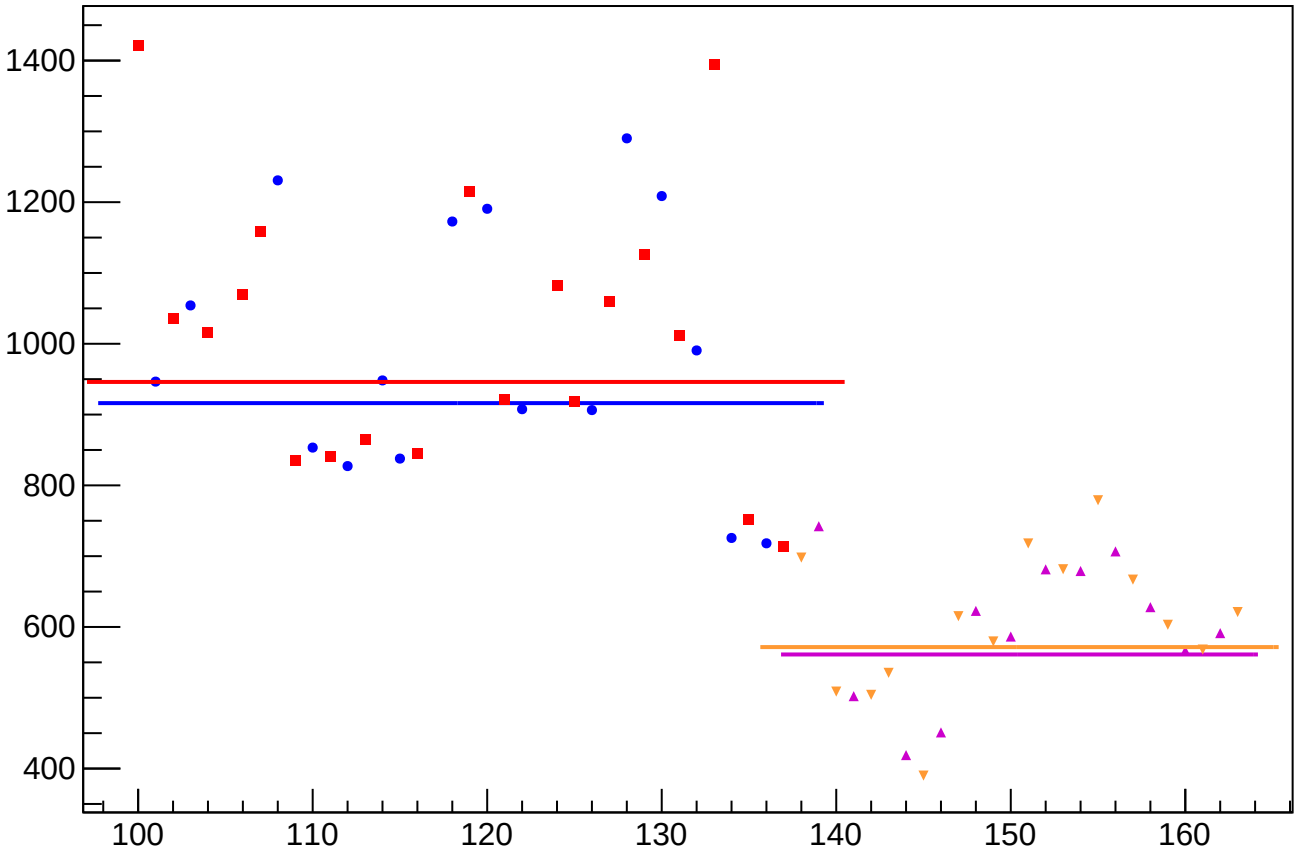
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: -149.196+/-177.858 χ^2/NDF:7.3/11

+ sign -834.471+/-155.880 χ^2/NDF: 51.5/29

All: -557.337+/-111.269 χ^2/NDF: 78.4/60

- sign -269.435+/-158.880 χ^2/NDF: 20.4/30



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

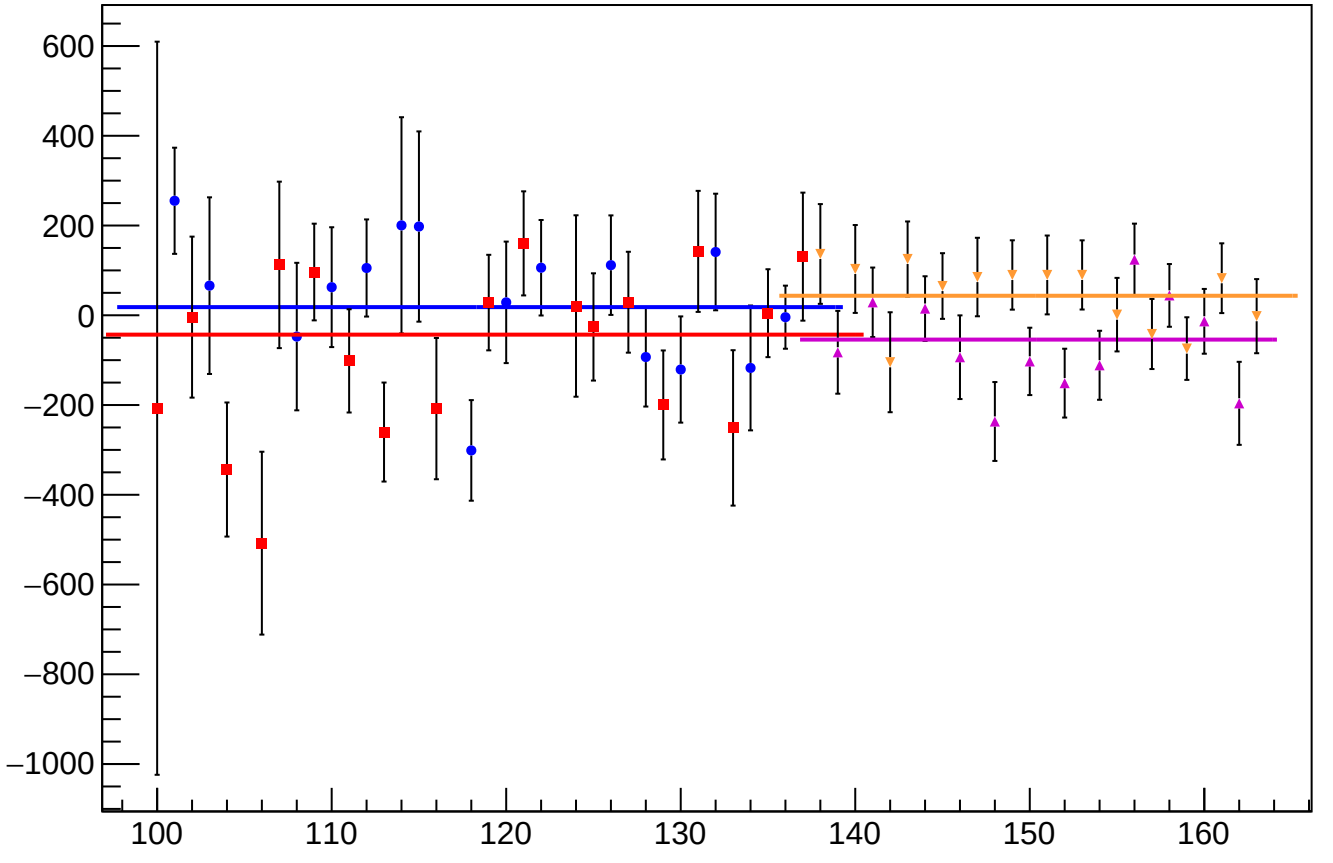
Left In: 561.153+/-0.126 χ^2/NDF:650953.8/11

+ sign 640.370+/-0.110 χ^2/NDF: 2801795.4/29

All: 639.658+/-0.079 χ^2/NDF: 5750844.1/60

- sign 638.918+/-0.112 χ^2/NDF: 2948963.5/30

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.492+/-22.237 χ^2/NDF:10.0/13

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

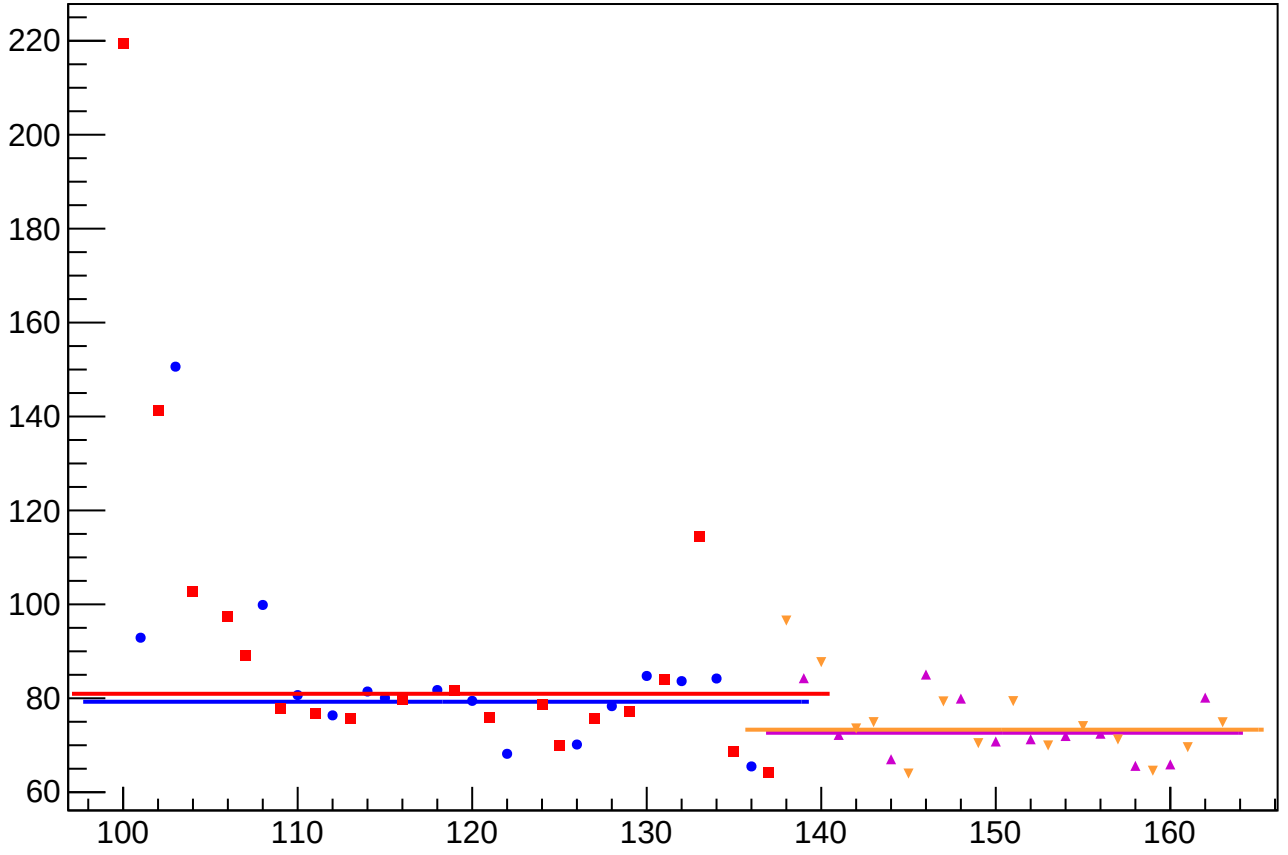
Left In: -54.201+/-22.900 χ^2/NDF:18.8/11

+ sign 34.647+/-17.937 χ^2/NDF: 30.6/29

All: -6.817+/-12.829 χ^2/NDF: 88.1/60

- sign -50.250+/-18.358 χ^2/NDF: 46.6/30

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.315+/-0.016 χ^2/NDF:227786.8/13

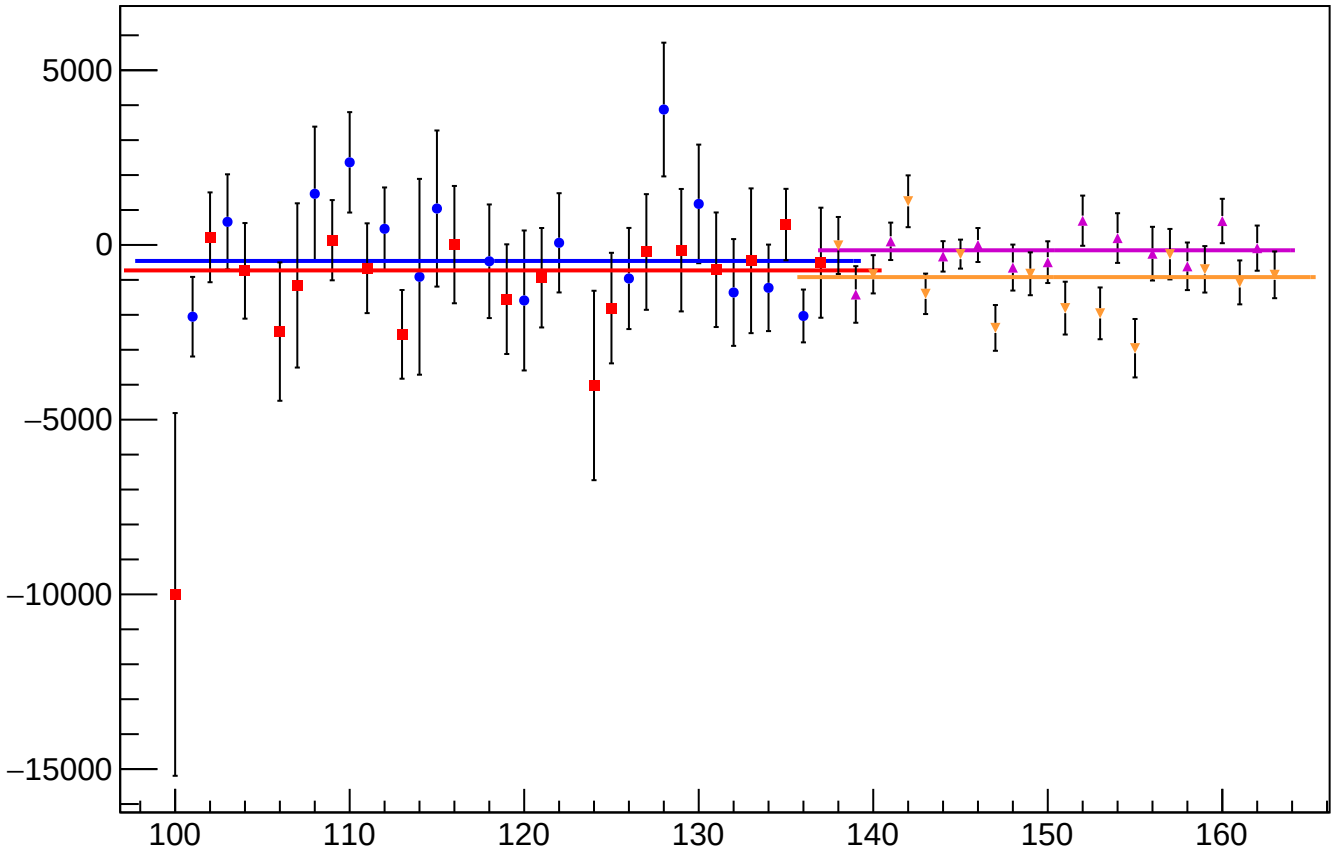
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.661+/-0.016 χ^2/NDF:145928.2/11

+ sign 75.393+/-0.013 χ^2/NDF: 722731.5/29

All: 75.507+/-0.009 χ^2/NDF: 1476837.7/60

- sign 75.627+/-0.013 χ^2/NDF: 753940.5/30



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -920.248+/-170.541 χ^2/NDF:28.2/13

Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

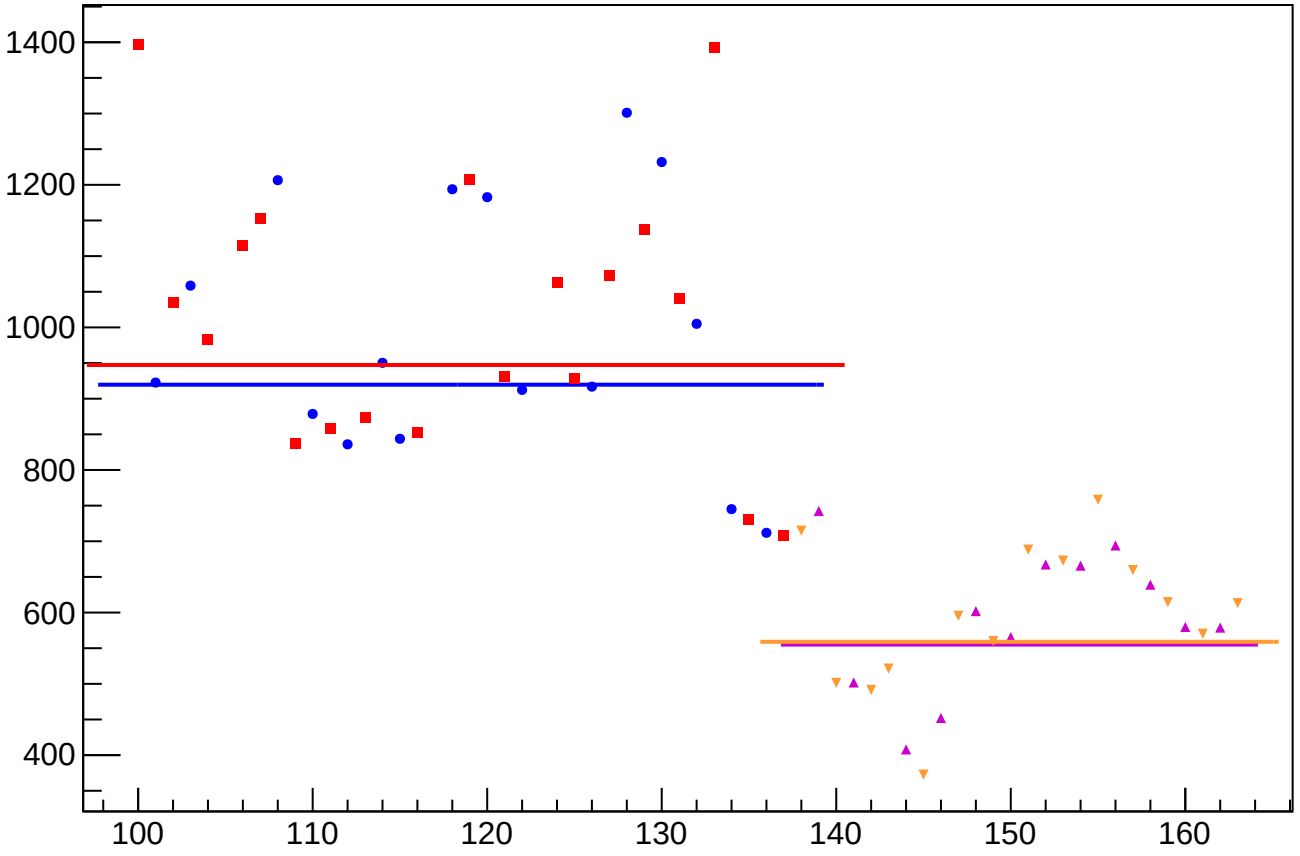
Left In: -152.876+/-176.026 χ^2/NDF:7.7/11

\+ sign -831.608+/-153.316 χ^2/NDF: 49.9/29

All: -557.261+/-109.856 χ^2/NDF: 77.8/60

\- sign -267.777+/-157.489 χ^2/NDF: 21.3/30

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 558.999+/-0.121 χ^2/NDF:815318.6/13

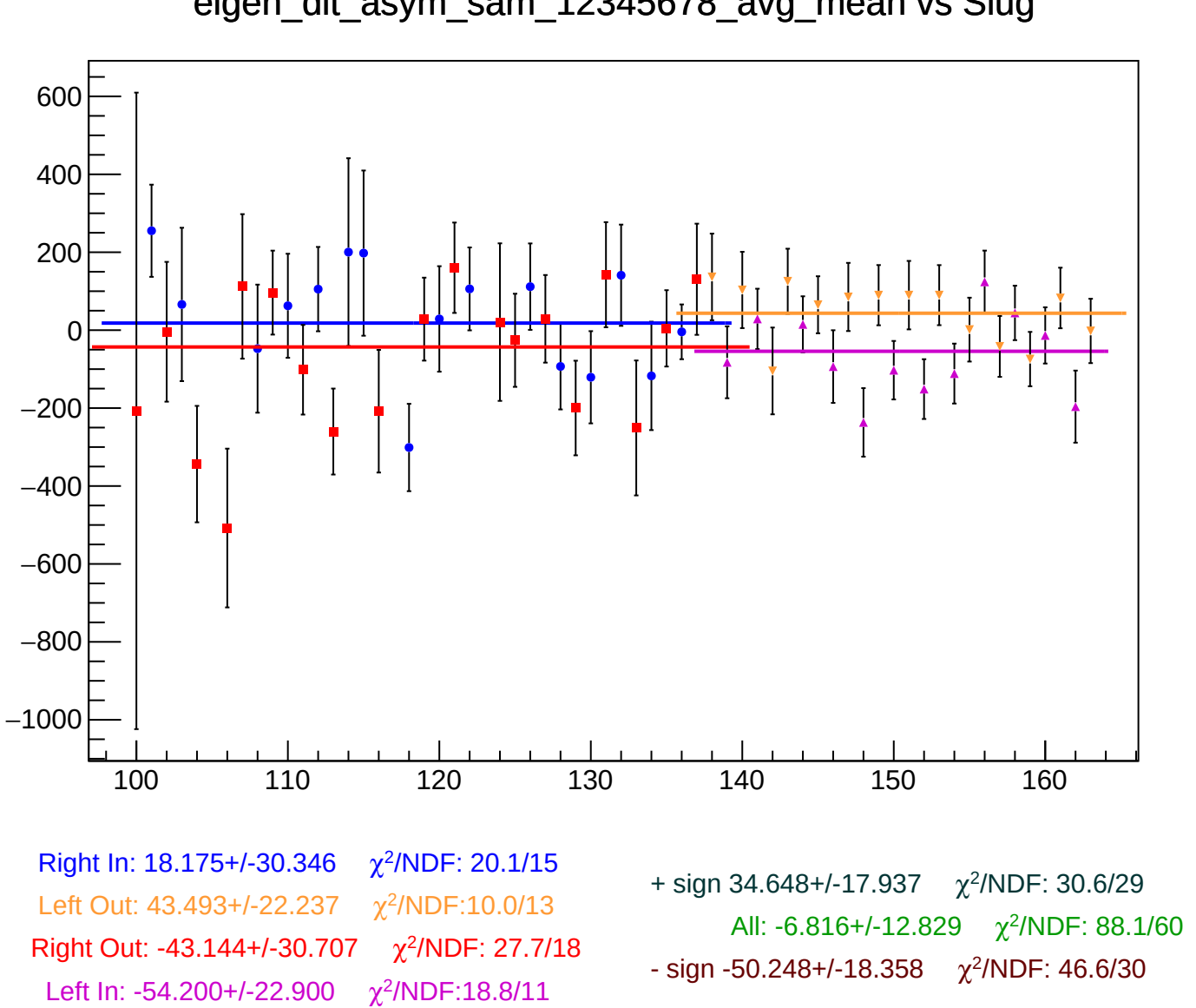
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 555.053+/-0.124 χ^2/NDF:654610.2/11

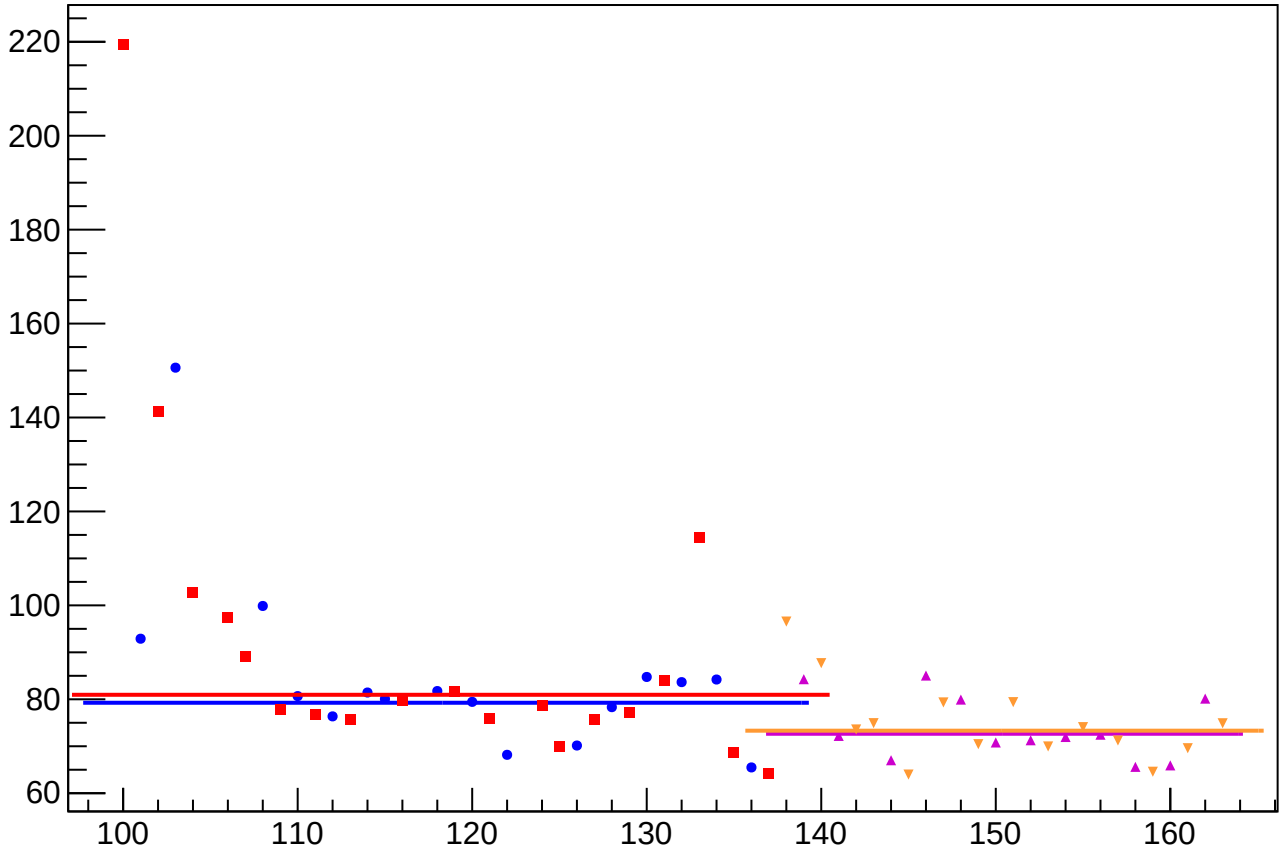
+ sign 628.170+/-0.108 χ^2/NDF: 3046187.9/29

All: 630.671+/-0.078 χ^2/NDF: 6108690.1/60

- sign 633.310+/-0.111 χ^2/NDF: 3061408.4/30


eigen_dit_asym_sam_12345678_avg_mean vs Slug
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 43.493+/-22.237 χ²/NDF:10.0/13
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -54.200+/-22.900 χ²/NDF:18.8/11
+ sign 34.648+/-17.937 χ²/NDF: 30.6/29
All: -6.816+/-12.829 χ²/NDF: 88.1/60
- sign -50.248+/-18.358 χ²/NDF: 46.6/30

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.315+/-0.016 χ^2/NDF:227784.8/13

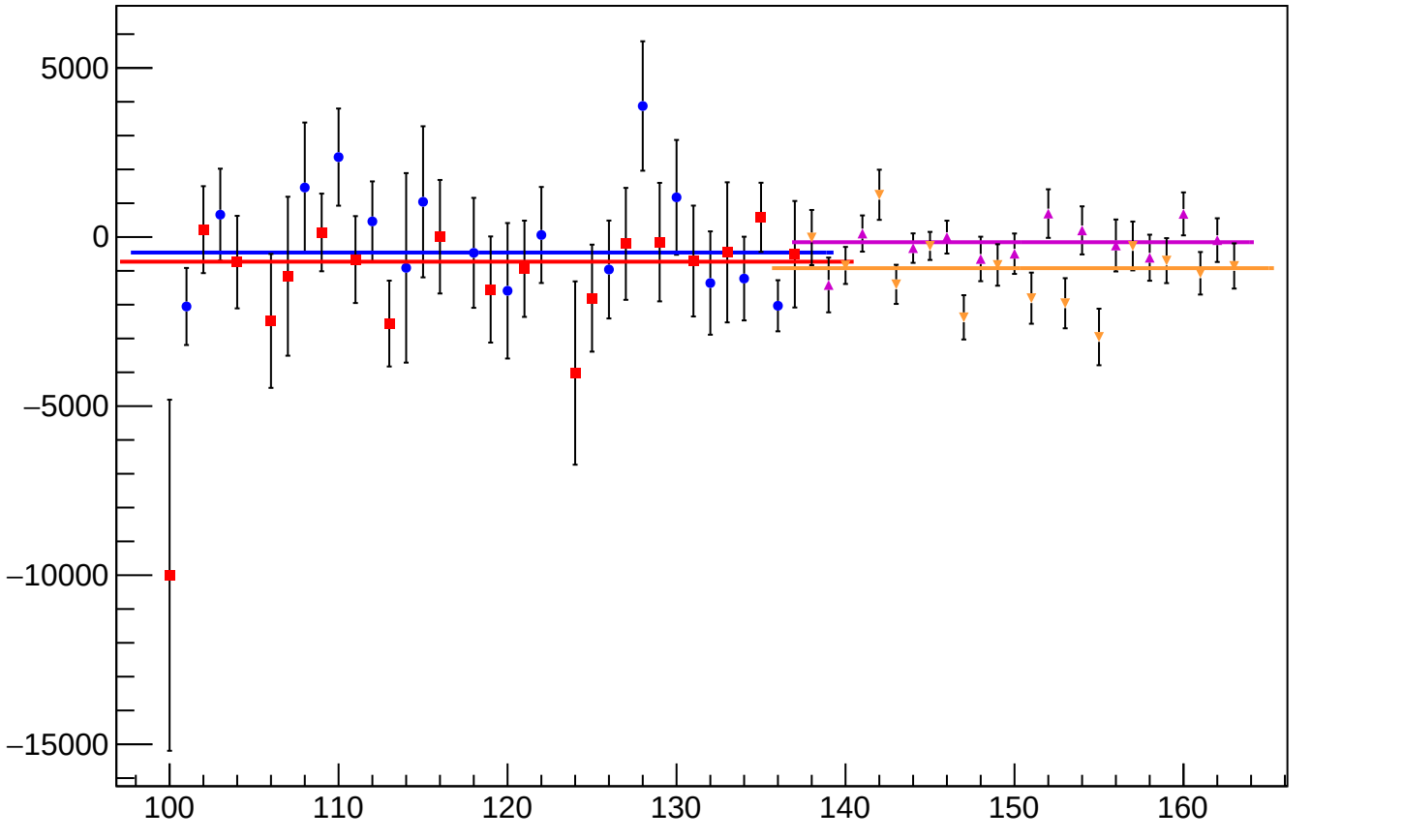
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.662+/-0.016 χ^2/NDF:145932.4/11

+ sign 75.393+/-0.013 χ^2/NDF: 722717.9/29

All: 75.507+/-0.009 χ^2/NDF: 1476827.3/60

- sign 75.627+/-0.013 χ^2/NDF: 753943.7/30



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -920.247+/-170.541 χ^2/NDF:28.2/13

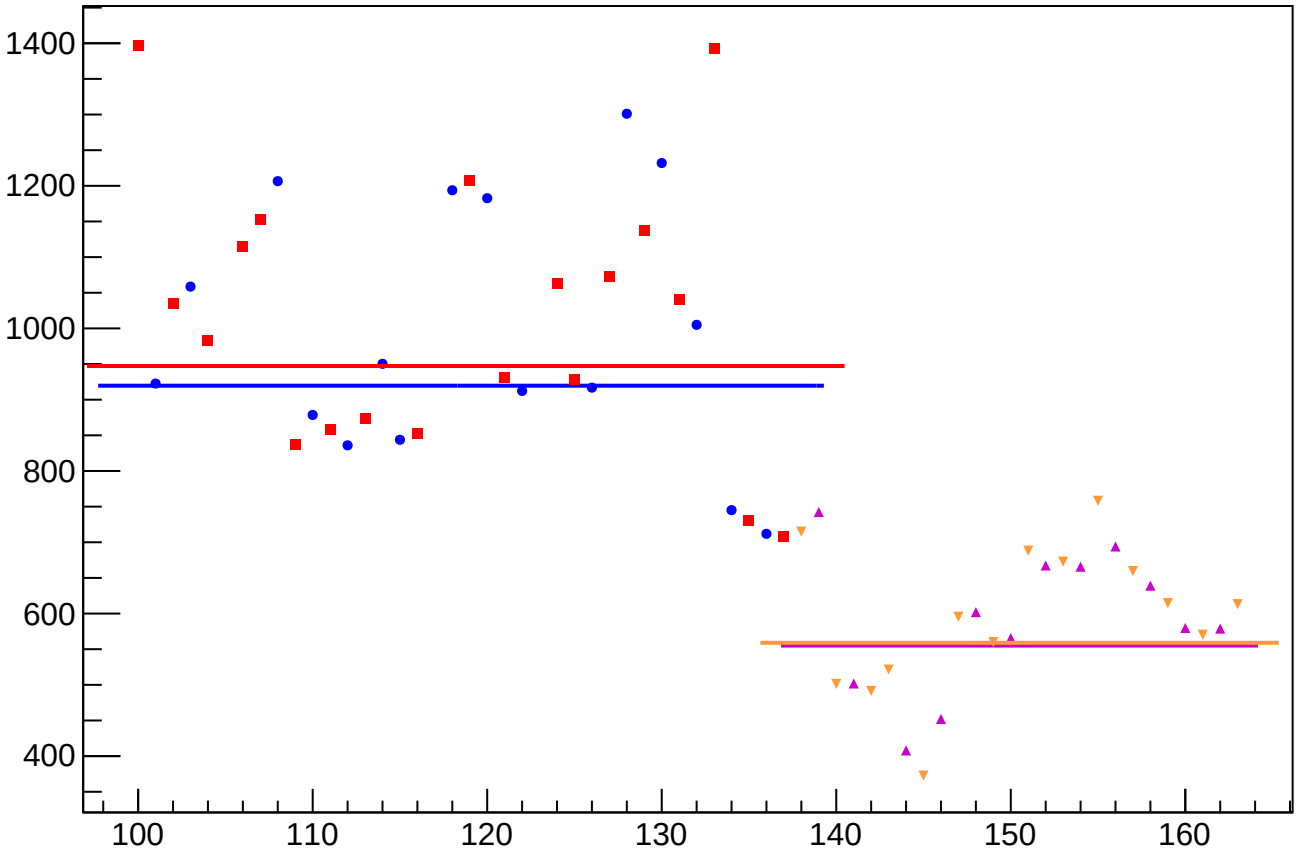
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: -152.875+/-176.025 χ^2/NDF:7.7/11

+ sign -831.607+/-153.316 χ^2/NDF: 49.9/29

All: -557.260+/-109.856 χ^2/NDF: 77.8/60

- sign -267.776+/-157.488 χ^2/NDF: 21.3/30



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 558.998+/-0.121 χ^2/NDF:815322.8/13

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

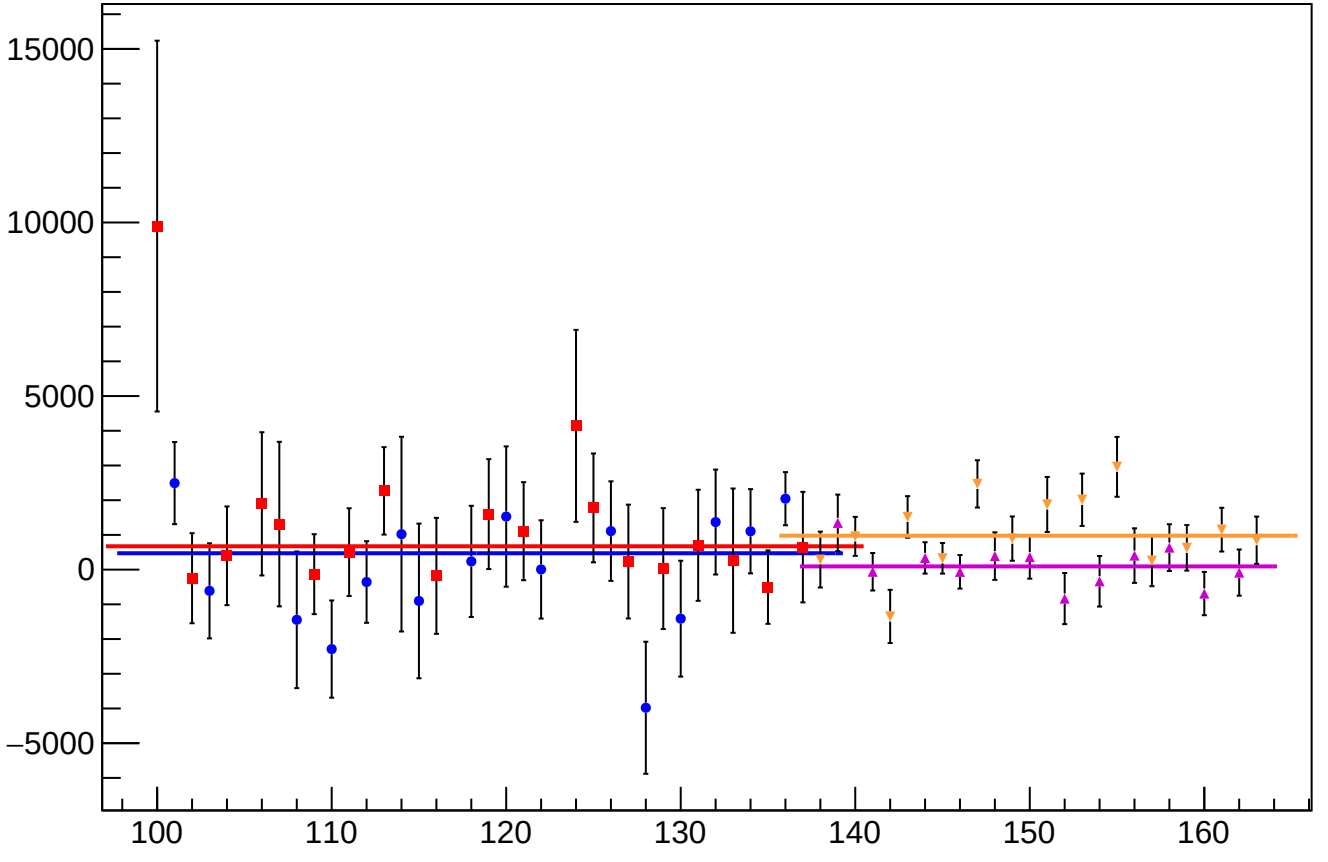
Left In: 555.052+/-0.124 χ^2/NDF:654608.9/11

+ sign 628.169+/-0.108 χ^2/NDF: 3046189.5/29

All: 630.670+/-0.078 χ^2/NDF: 6108685.4/60

- sign 633.309+/-0.111 χ^2/NDF: 3061402.0/30

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 977.705+/-175.317 χ^2/NDF:27.6/13

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

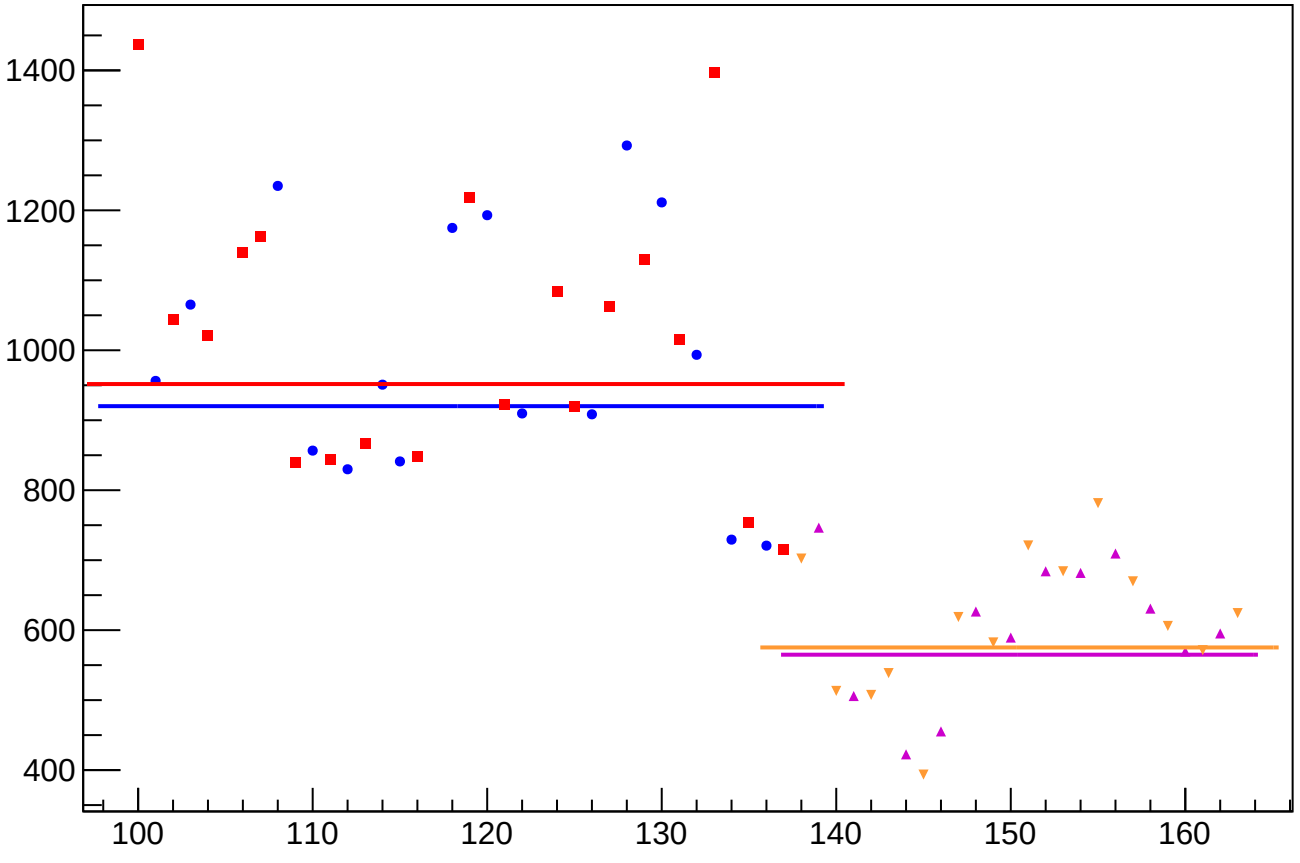
Left In: 92.811+/-178.997 χ^2/NDF:7.6/11

+ sign 876.447+/-156.785 χ^2/NDF: 50.7/29

All: 549.822+/-111.909 χ^2/NDF: 79.6/60

- sign 210.580+/-159.785 χ^2/NDF: 20.1/30

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.282+/-0.124 χ^2/NDF:718418.3/13

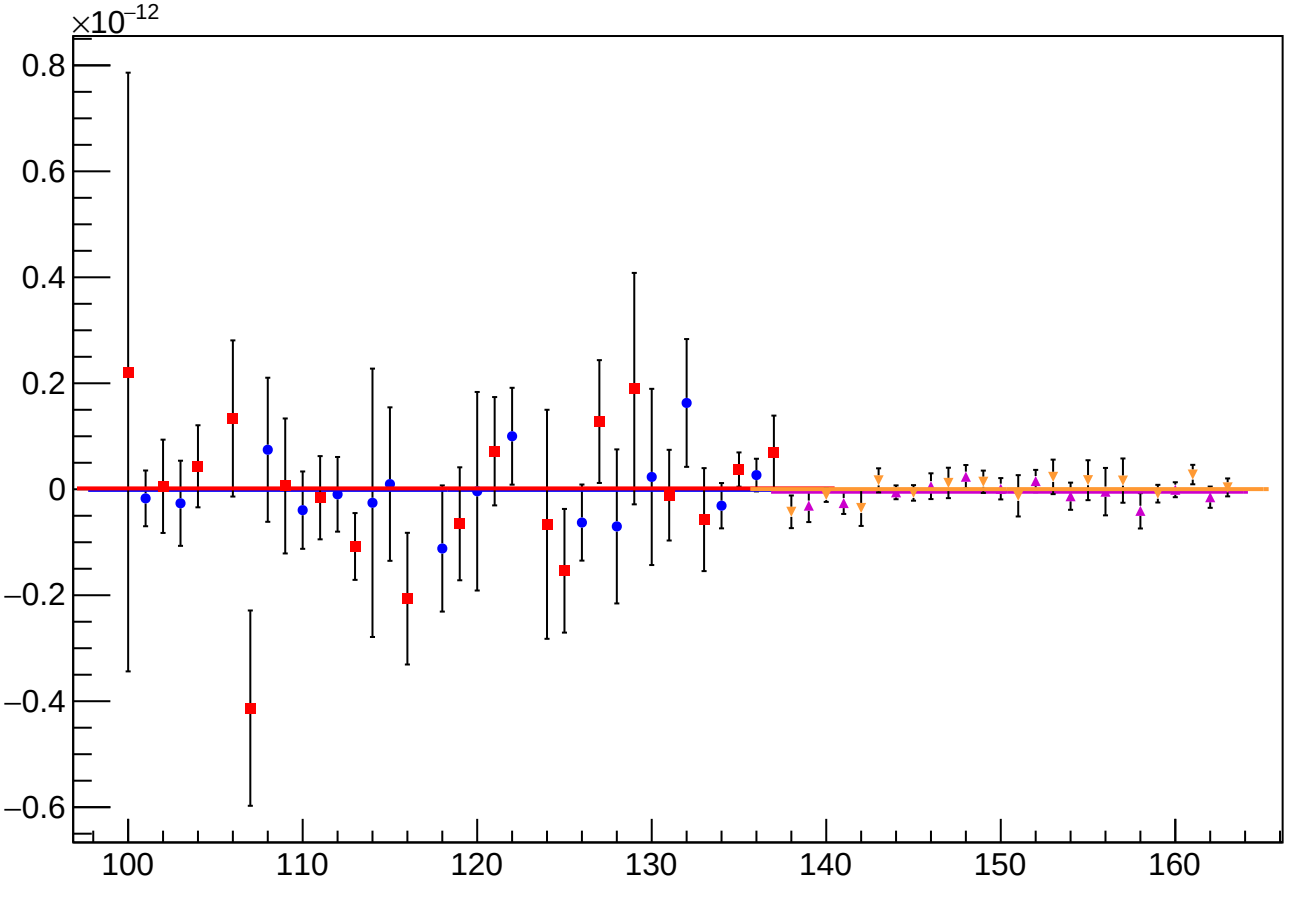
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 564.920+/-0.127 χ^2/NDF:639563.6/11

+ sign 644.332+/-0.111 χ^2/NDF: 2776511.5/29

All: 643.923+/-0.079 χ^2/NDF: 5729507.8/60

- sign 643.498+/-0.113 χ^2/NDF: 2952968.5/30



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/13

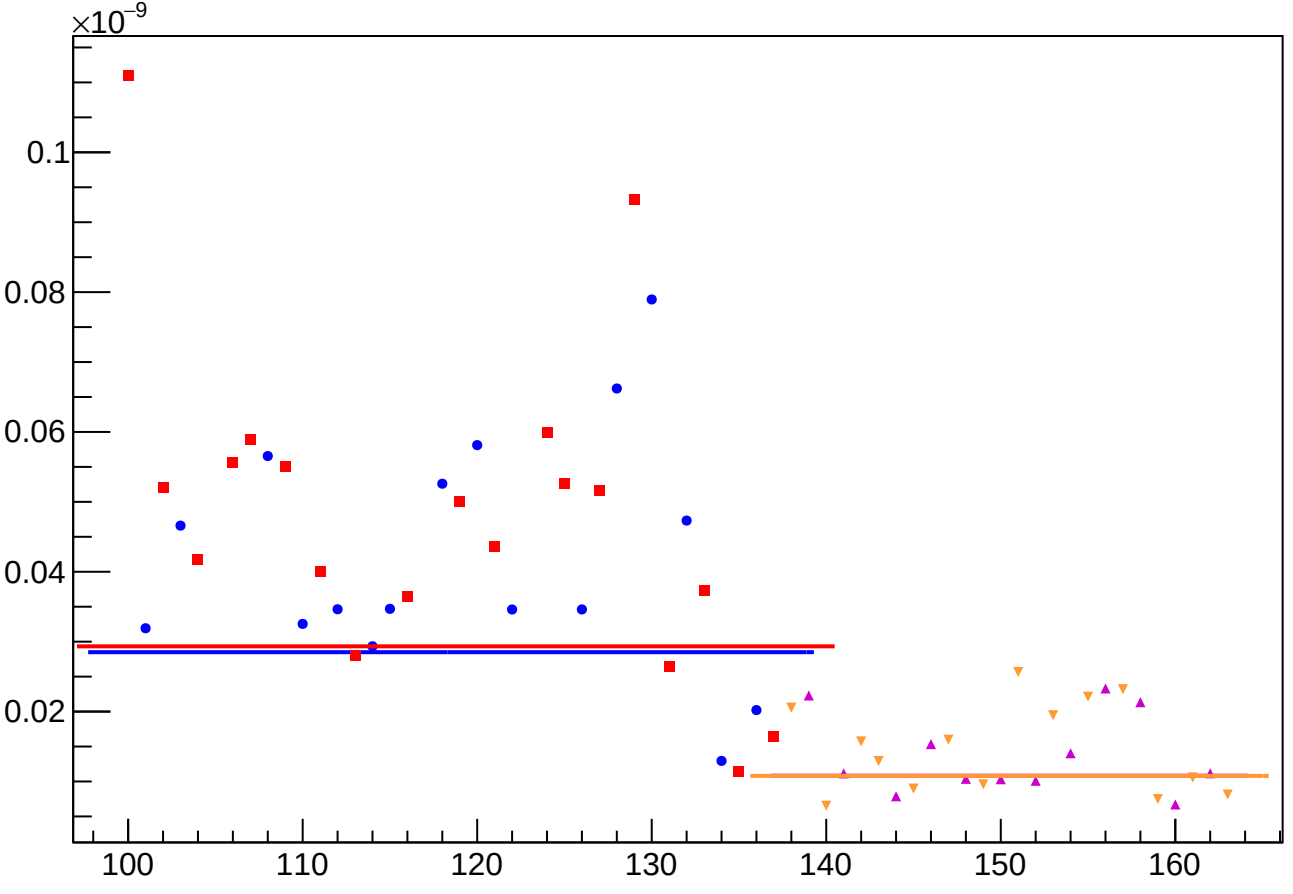
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/11

+ sign 0.000+/-0.000 χ^2/NDF: 15.7/29

All: -0.000+/-0.000 χ^2/NDF: 41.7/60

- sign -0.000+/-0.000 χ^2/NDF: 25.7/30



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493129.1/13

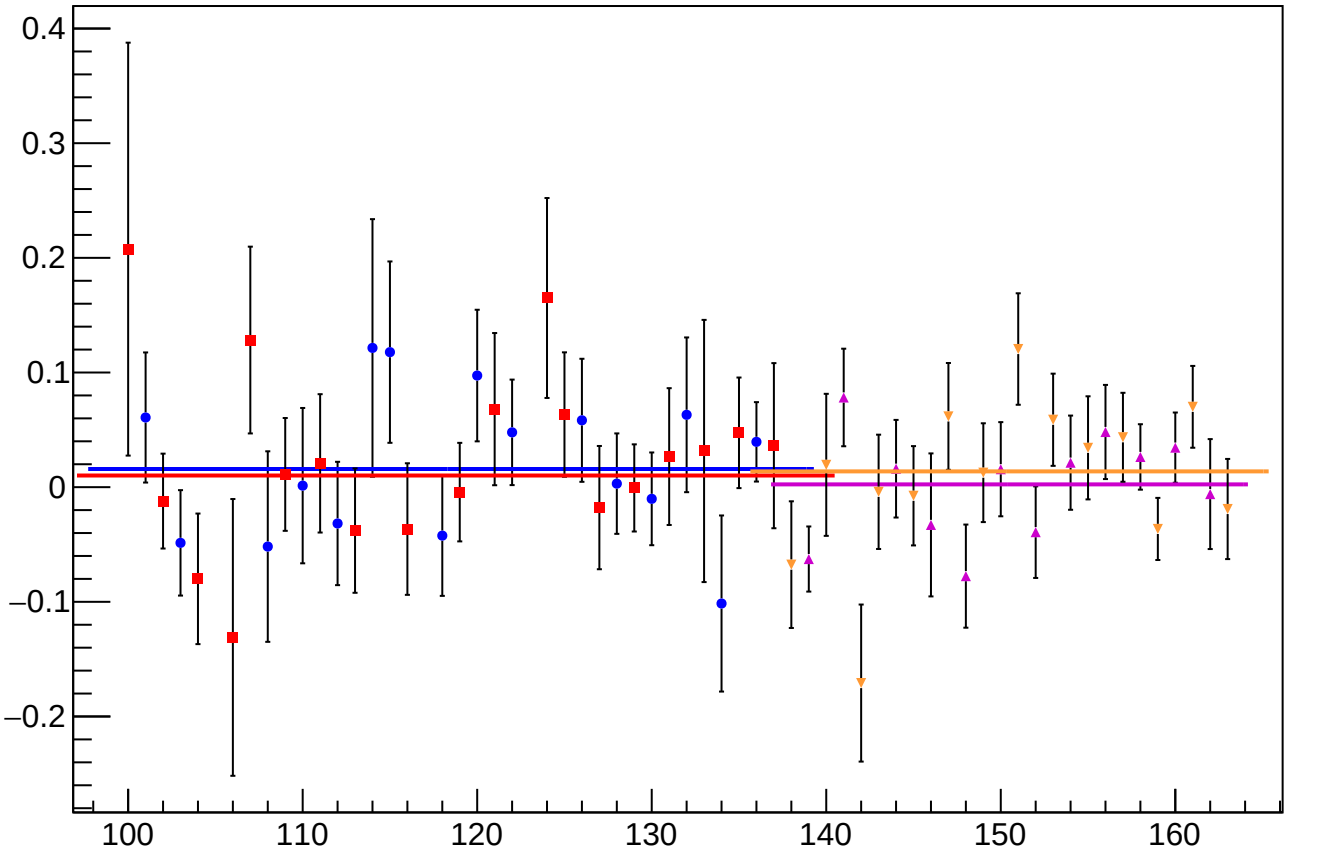
Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1005096.0/11

+ sign 0.000+/-0.000 χ^2/NDF: 4454065.0/29

All: 0.000+/-0.000 χ^2/NDF: 8790234.7/60

- sign 0.000+/-0.000 χ^2/NDF: 4336159.4/30



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

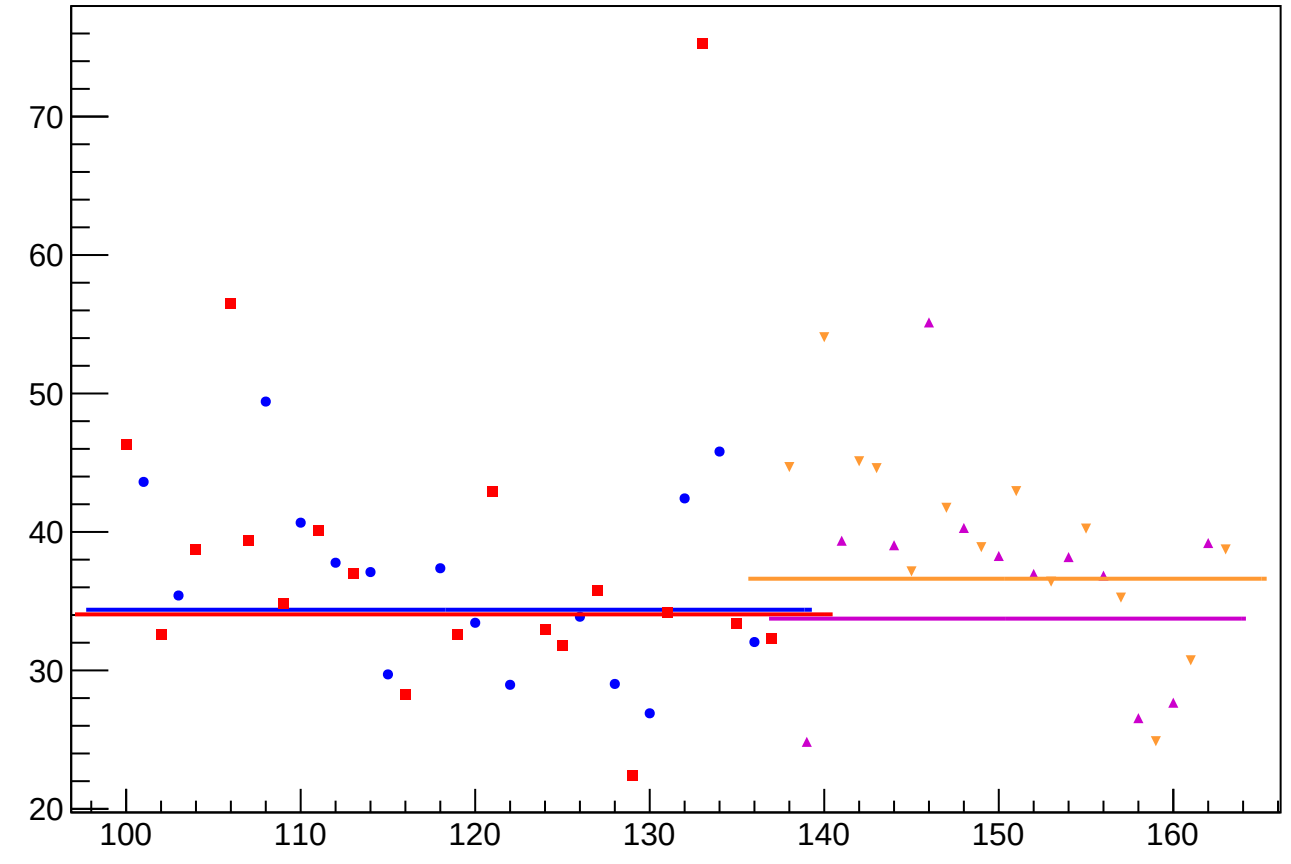
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.011 χ^2/NDF:16.5/11

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.010+/-0.006 χ^2/NDF: 71.4/60

- sign 0.006+/-0.008 χ^2/NDF: 31.8/30



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.622+/-0.008 χ^2/NDF:797206.3/13

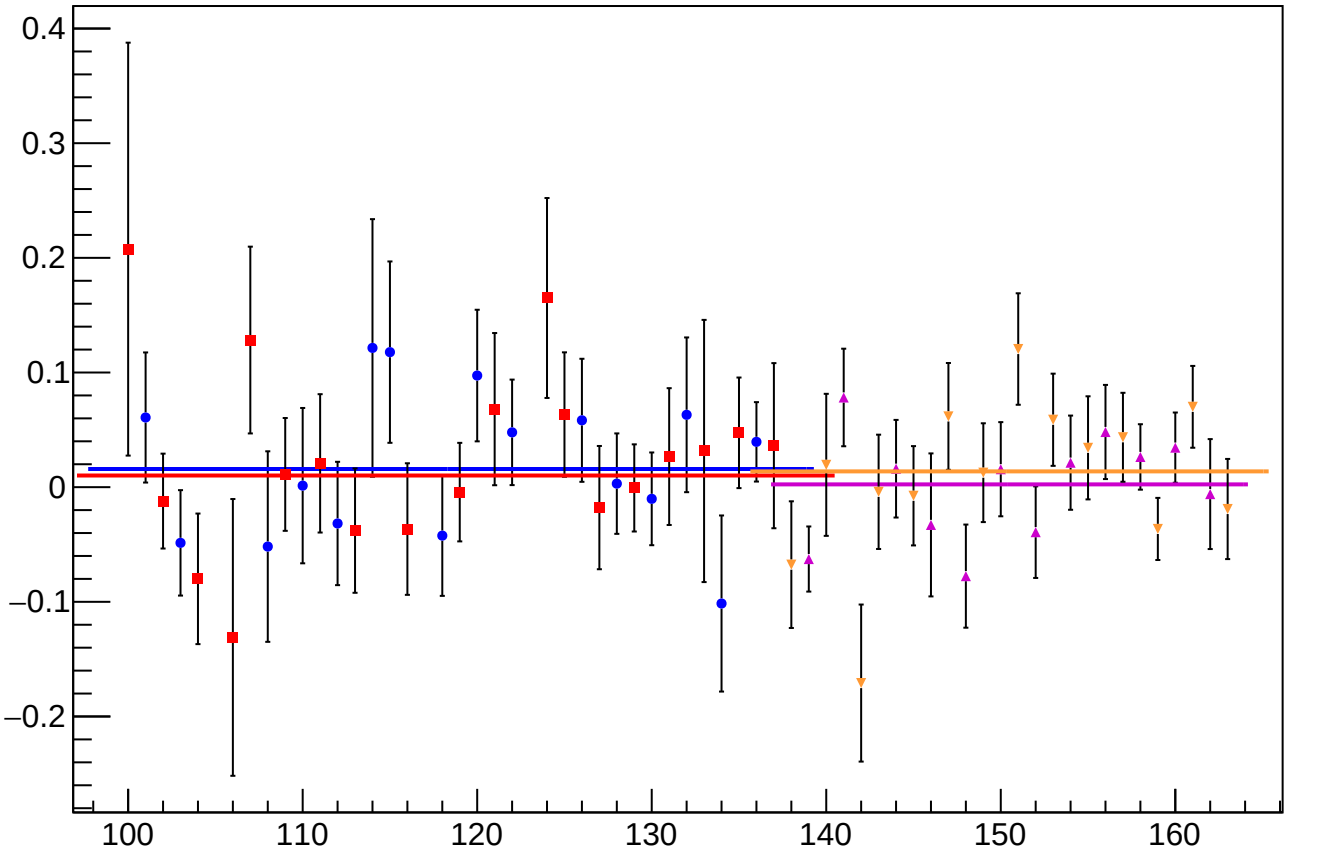
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.740+/-0.008 χ^2/NDF:843797.8/11

+ sign 35.675+/-0.006 χ^2/NDF: 1197374.0/29

All: 34.744+/-0.004 χ^2/NDF: 2728885.7/60

- sign 33.866+/-0.006 χ^2/NDF: 1487134.8/30



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

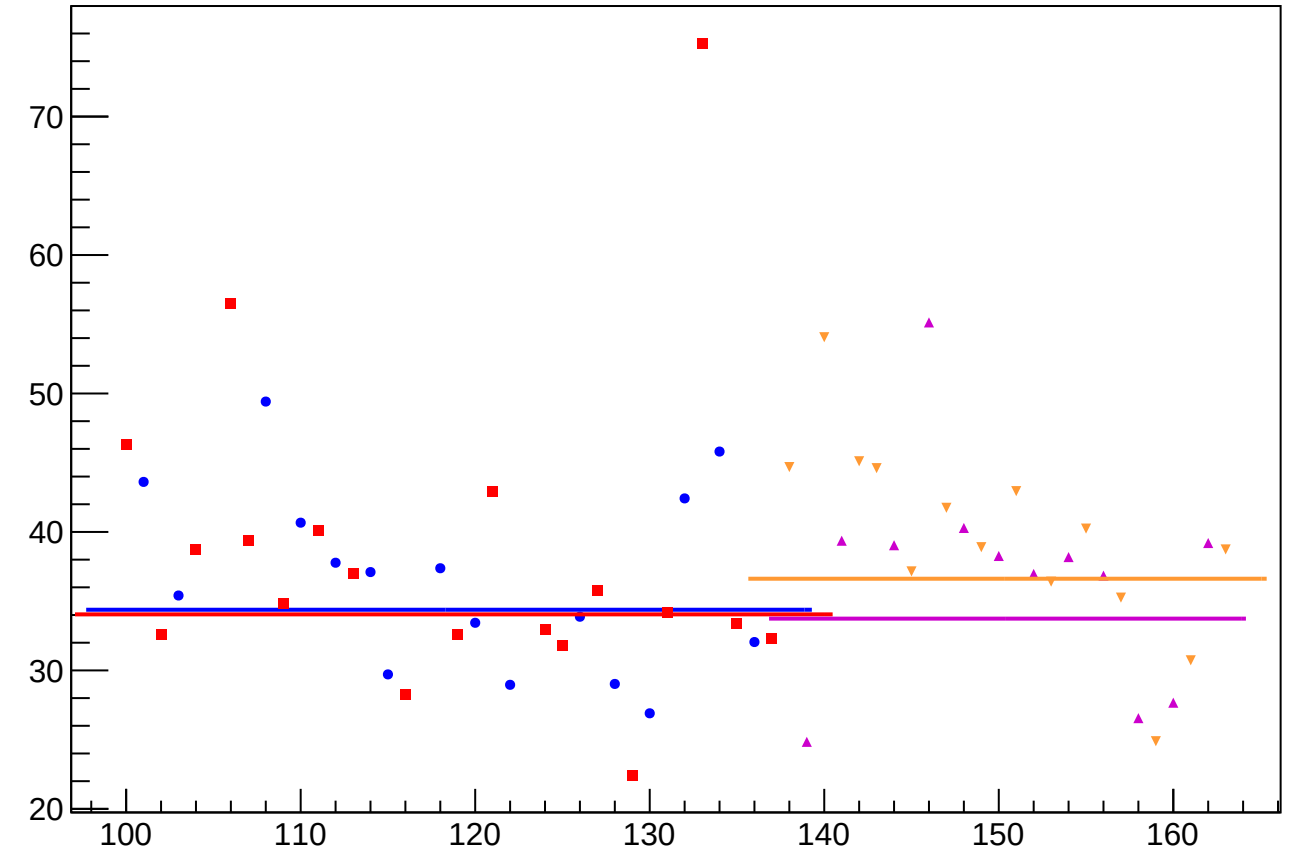
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.011 χ^2/NDF:16.5/11

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.010+/-0.006 χ^2/NDF: 71.4/60

- sign 0.006+/-0.008 χ^2/NDF: 31.8/30



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.622+/-0.008 χ^2/NDF:797206.3/13

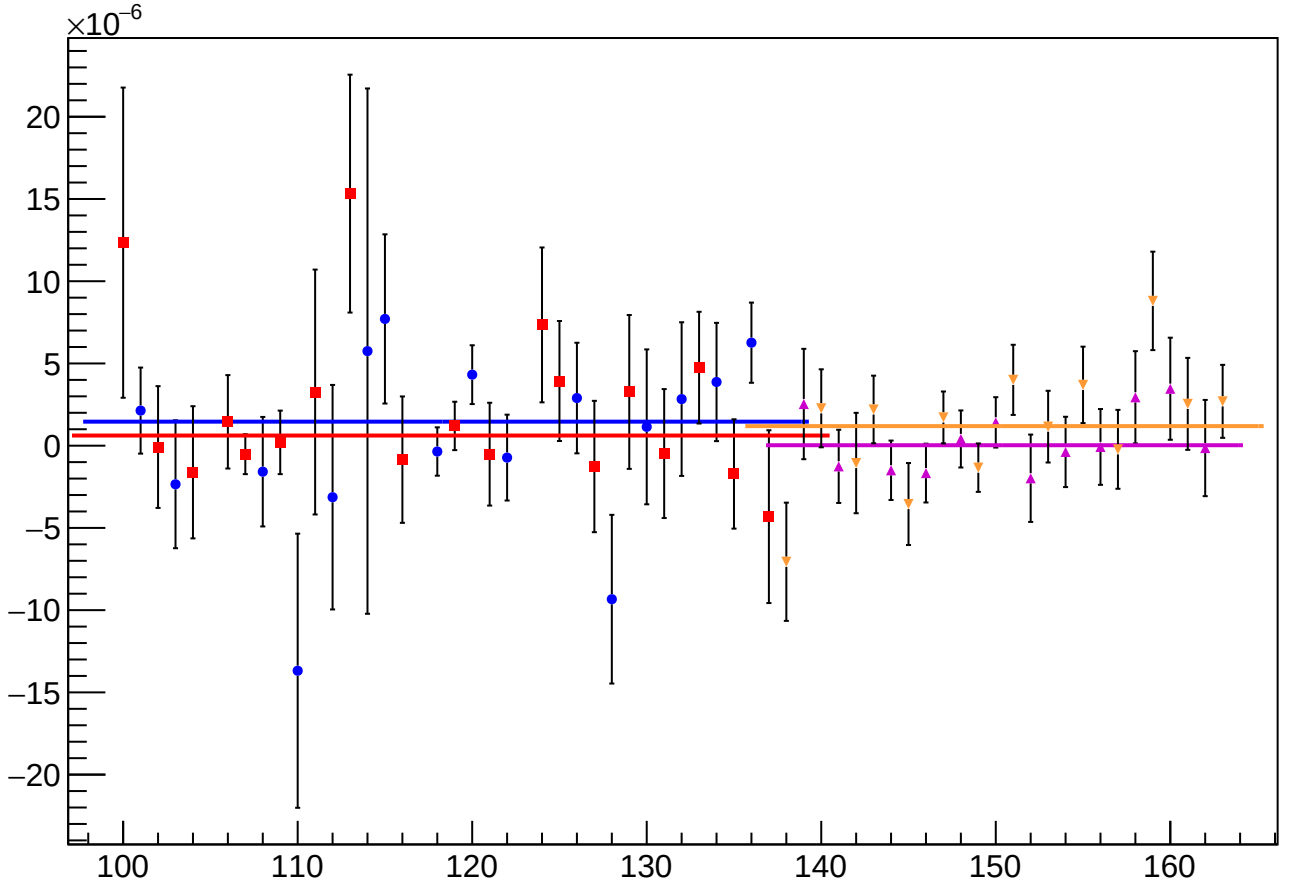
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.740+/-0.008 χ^2/NDF:843797.8/11

+ sign 35.675+/-0.006 χ^2/NDF: 1197374.0/29

All: 34.744+/-0.004 χ^2/NDF: 2728885.7/60

- sign 33.866+/-0.006 χ^2/NDF: 1487134.8/30



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/13

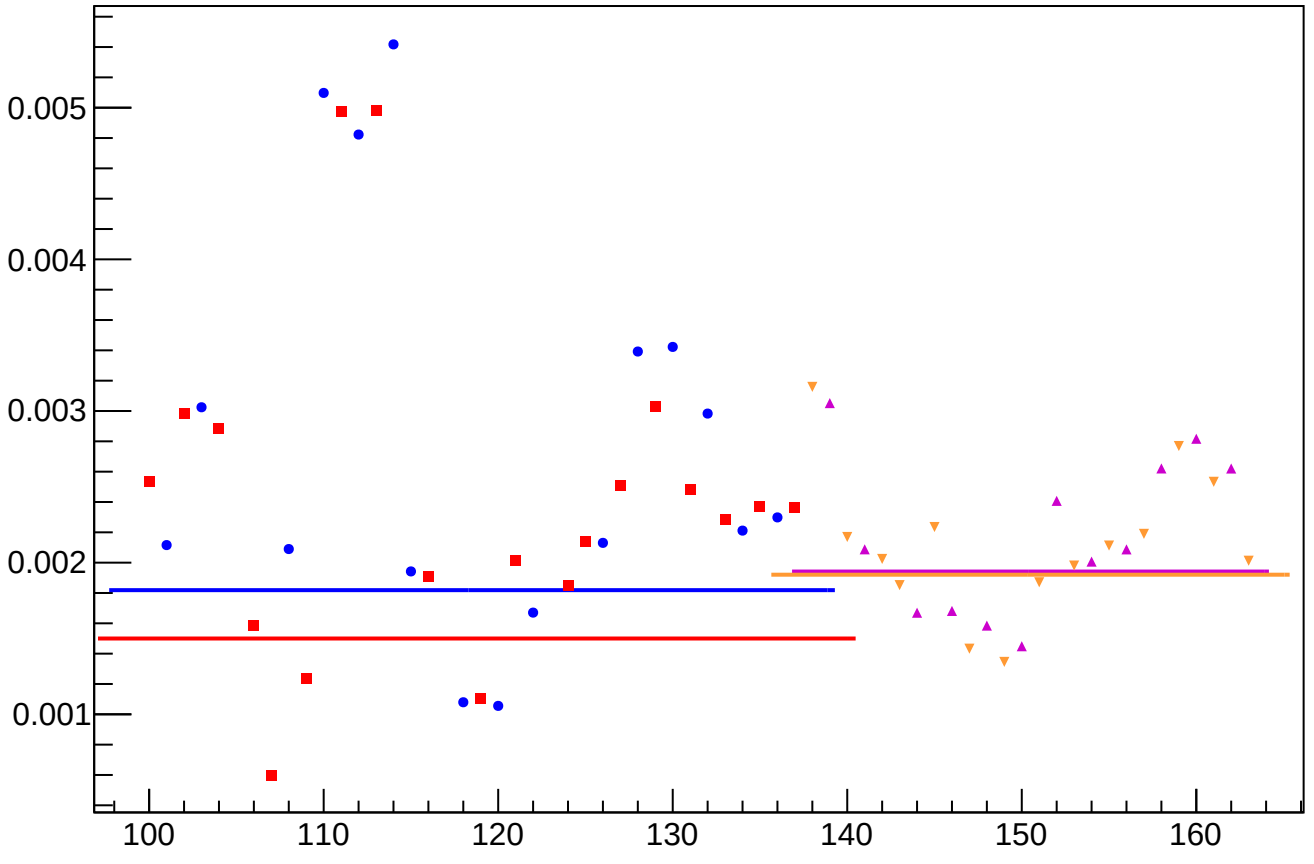
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/11

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/29

All: 0.000+/-0.000 χ^2/NDF: 67.4/60

- sign 0.000+/-0.000 χ^2/NDF: 20.7/30



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1094120.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

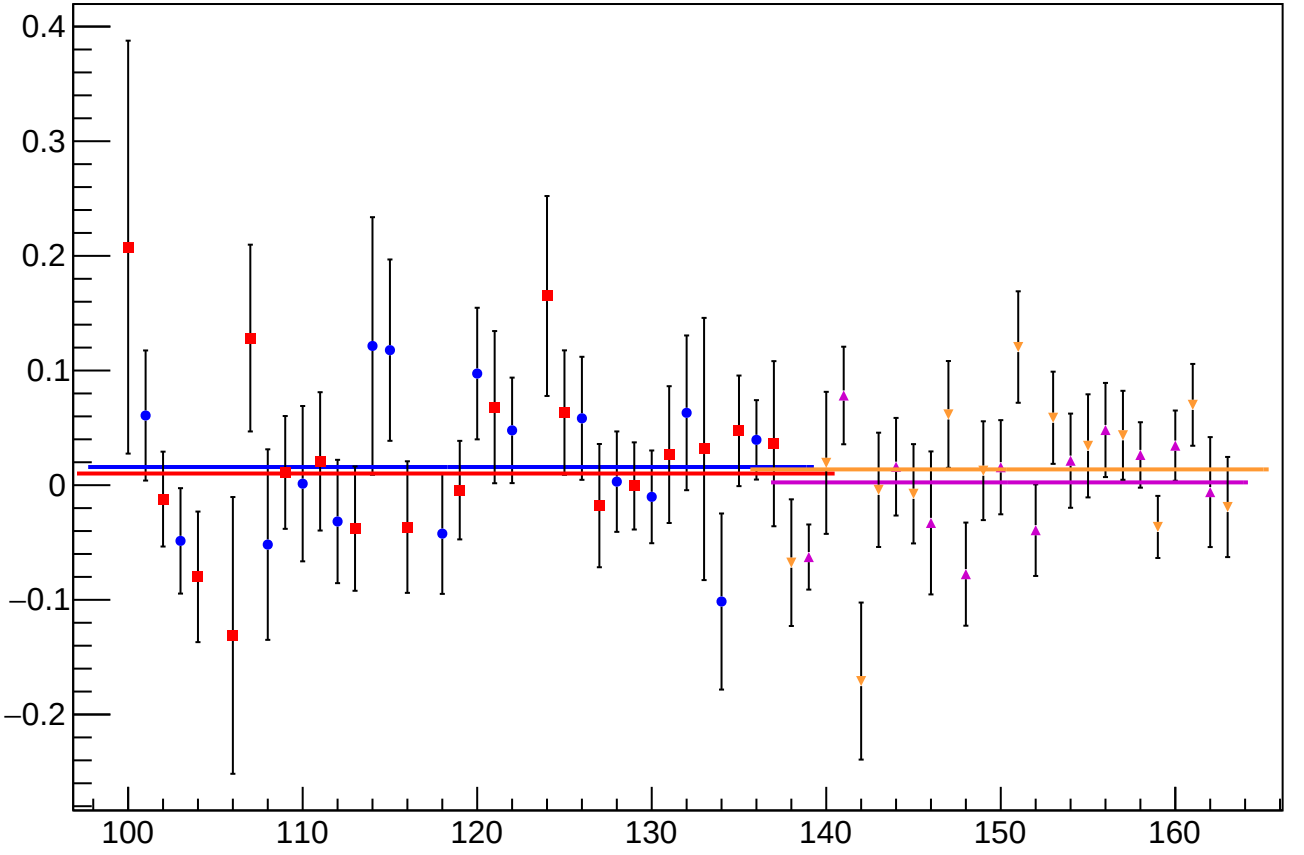
Left In: 0.002+/-0.000 χ^2/NDF:1062749.9/11

+ sign 0.002+/-0.000 χ^2/NDF: 3687027.1/29

All: 0.002+/-0.000 χ^2/NDF: 9034857.2/60

- sign 0.002+/-0.000 χ^2/NDF: 5235264.1/30

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

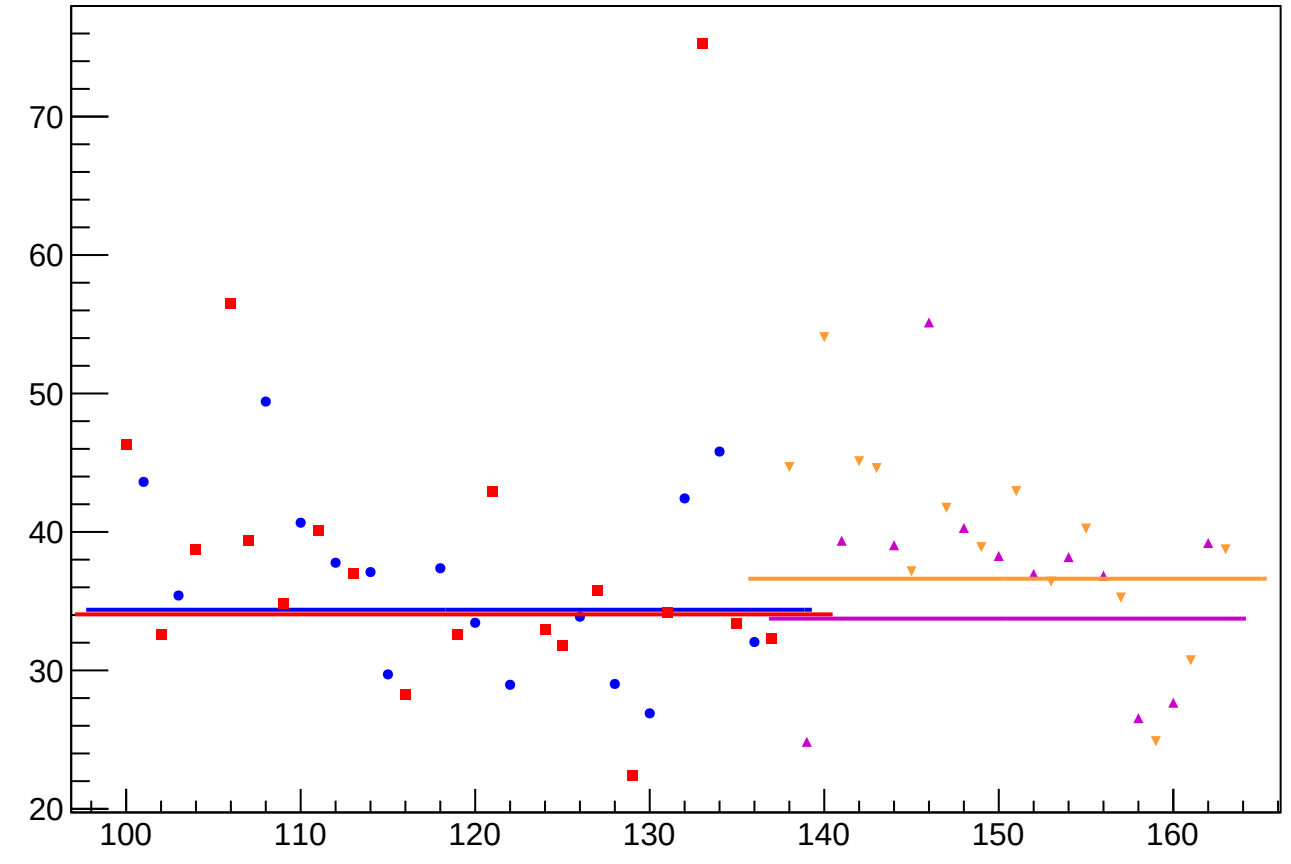
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.002+/-0.011 χ^2/NDF:16.5/11

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.010+/-0.006 χ^2/NDF: 71.4/60

- sign 0.006+/-0.008 χ^2/NDF: 31.8/30



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.622+/-0.008 χ^2/NDF:797275.8/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

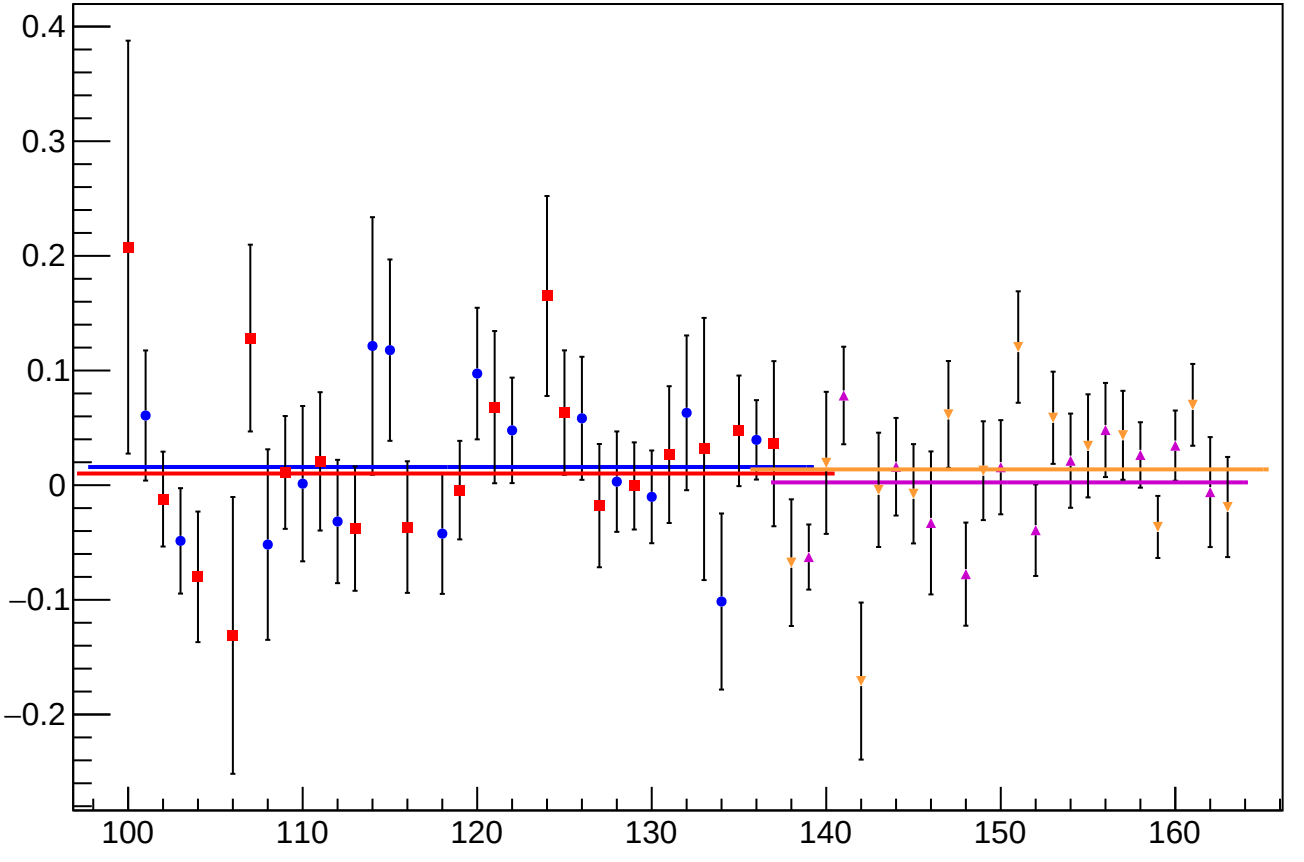
Left In: 33.740+/-0.008 χ^2/NDF:843866.3/11

+ sign 35.675+/-0.006 χ^2/NDF: 1197529.3/29

All: 34.744+/-0.004 χ^2/NDF: 2729144.6/60

- sign 33.866+/-0.006 χ^2/NDF: 1487244.4/30

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

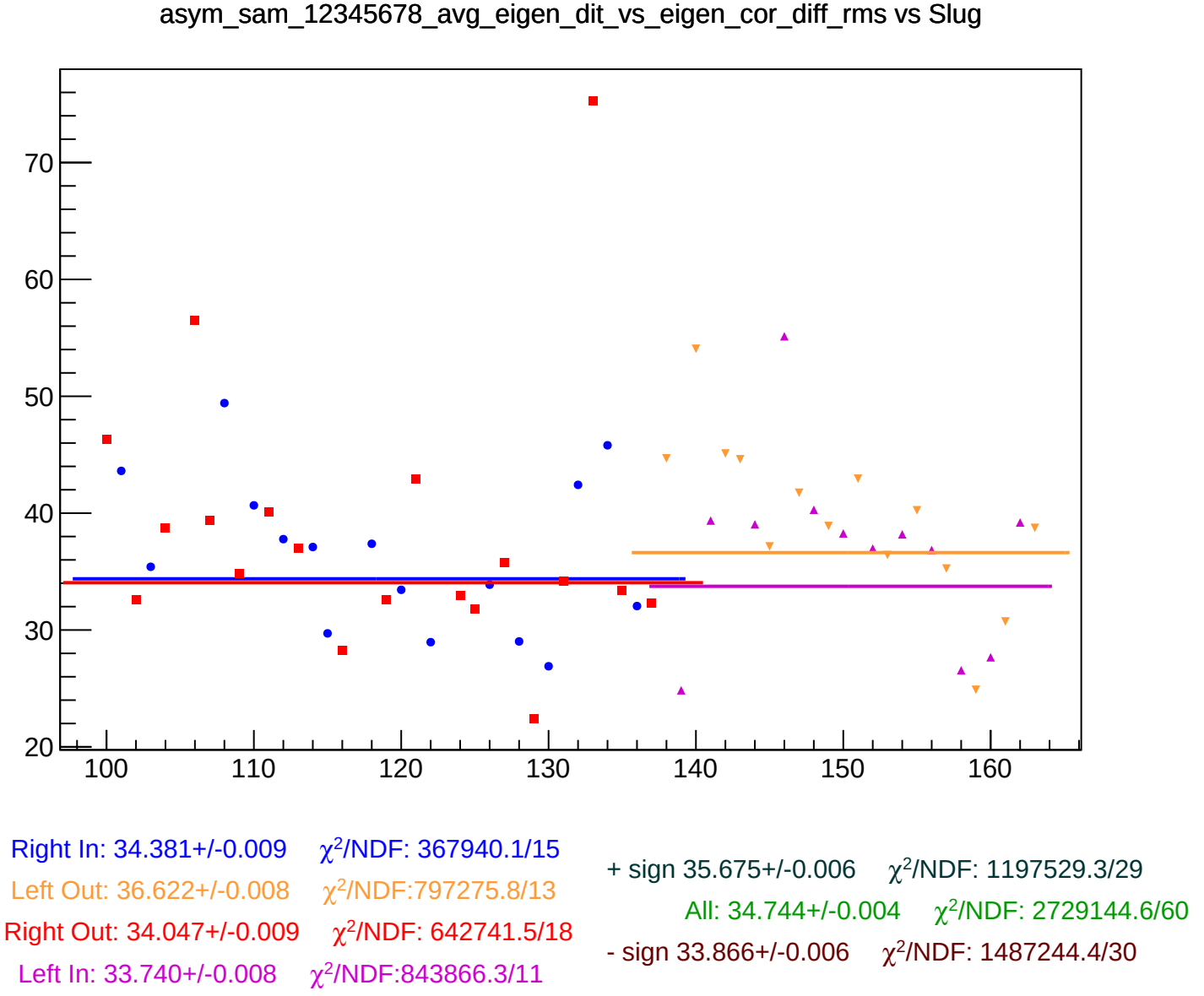
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

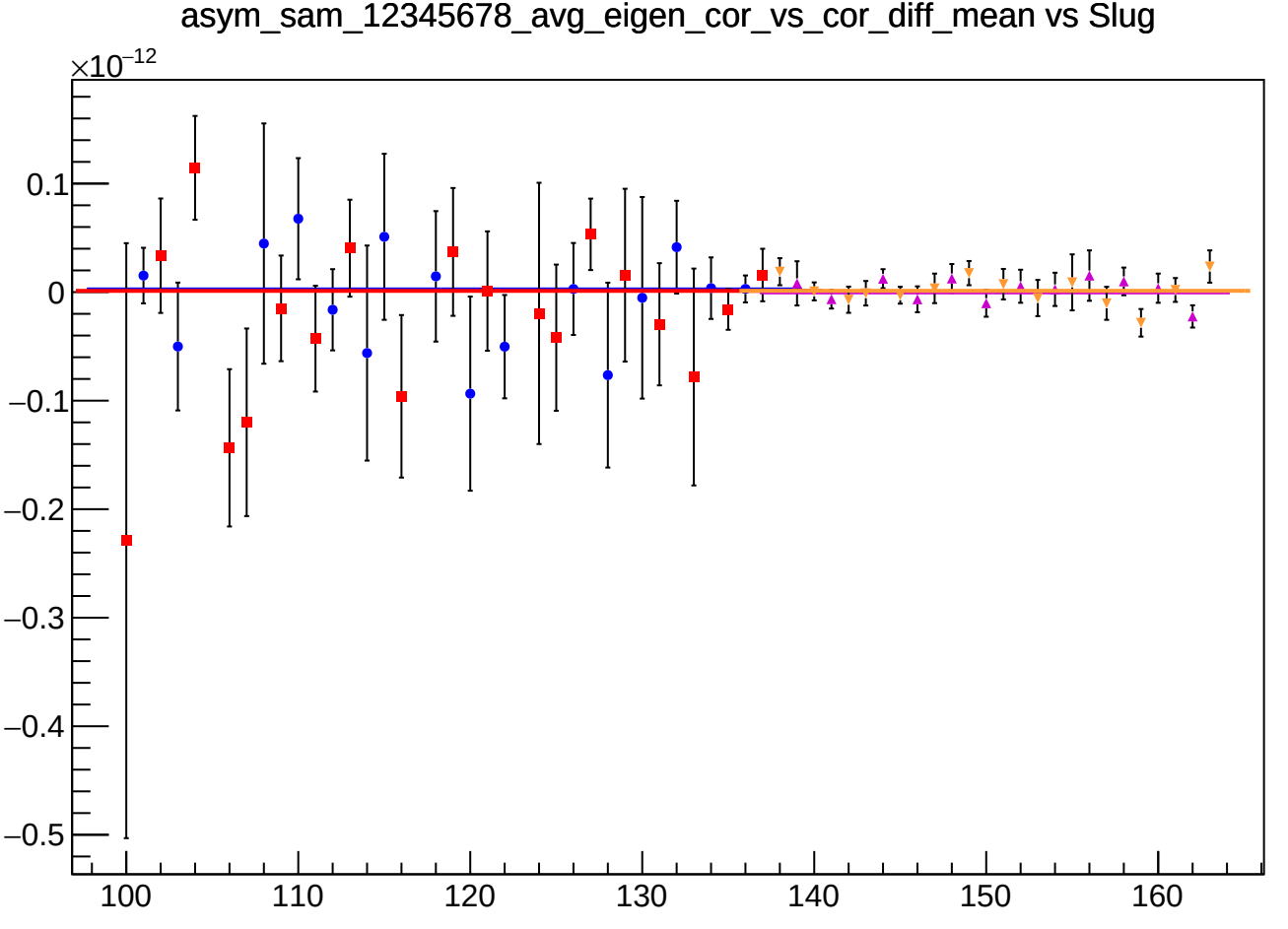
Left In: 0.002+/-0.011 χ^2/NDF:16.5/11

+ sign 0.015+/-0.009 χ^2/NDF: 39.0/29

All: 0.010+/-0.006 χ^2/NDF: 71.4/60

- sign 0.006+/-0.008 χ^2/NDF: 31.8/30


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
160
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 36.622+/-0.008 χ²/NDF:797275.8/13
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 33.740+/-0.008 χ²/NDF:843866.3/11
+ sign 35.675+/-0.006 χ²/NDF: 1197529.3/29
All: 34.744+/-0.004 χ²/NDF: 2729144.6/60
- sign 33.866+/-0.006 χ²/NDF: 1487244.4/30



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/13

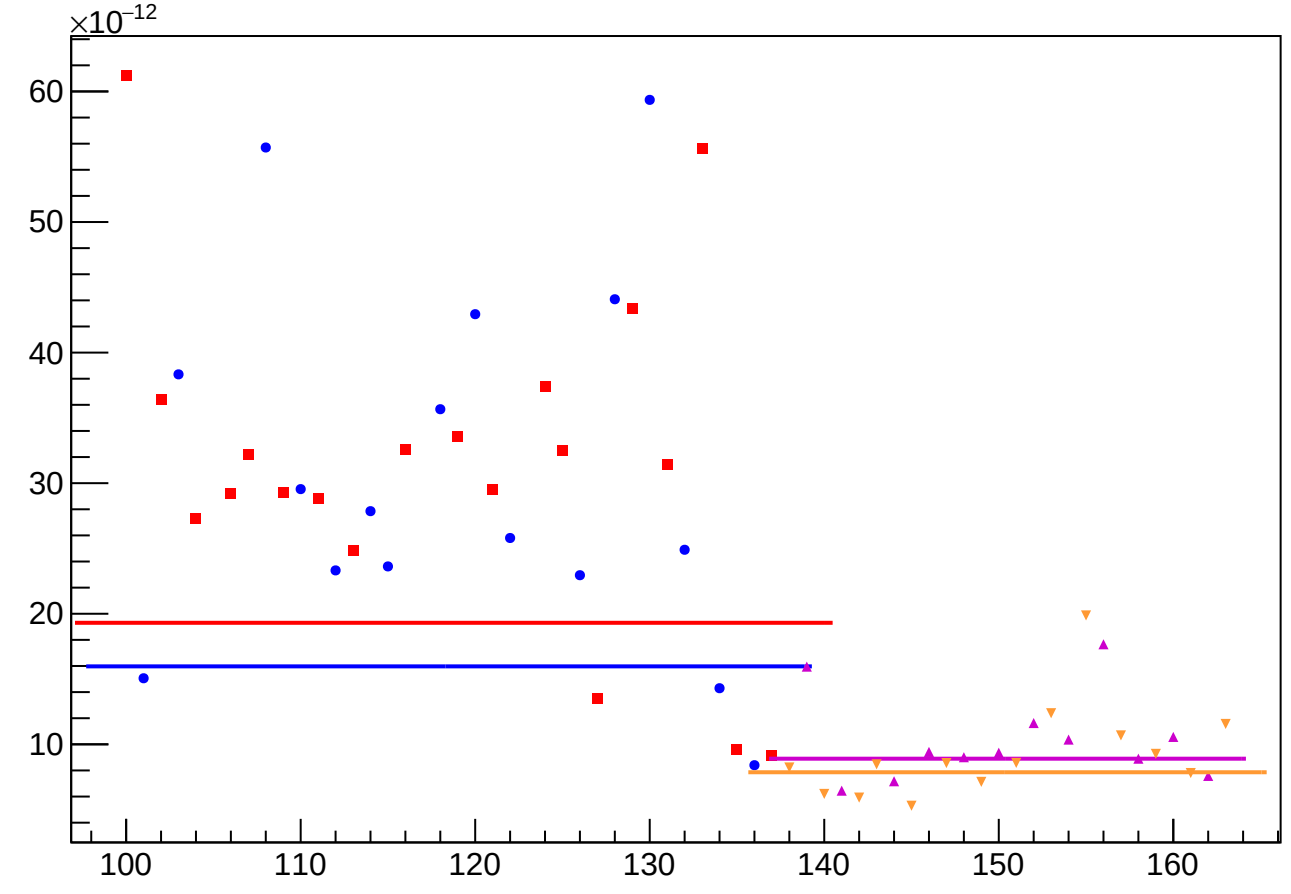
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/11

+ sign 0.000+/-0.000 χ^2/NDF: 21.3/29

All: 0.000+/-0.000 χ^2/NDF: 53.5/60

- sign -0.000+/-0.000 χ^2/NDF: 32.1/30



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1173685.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

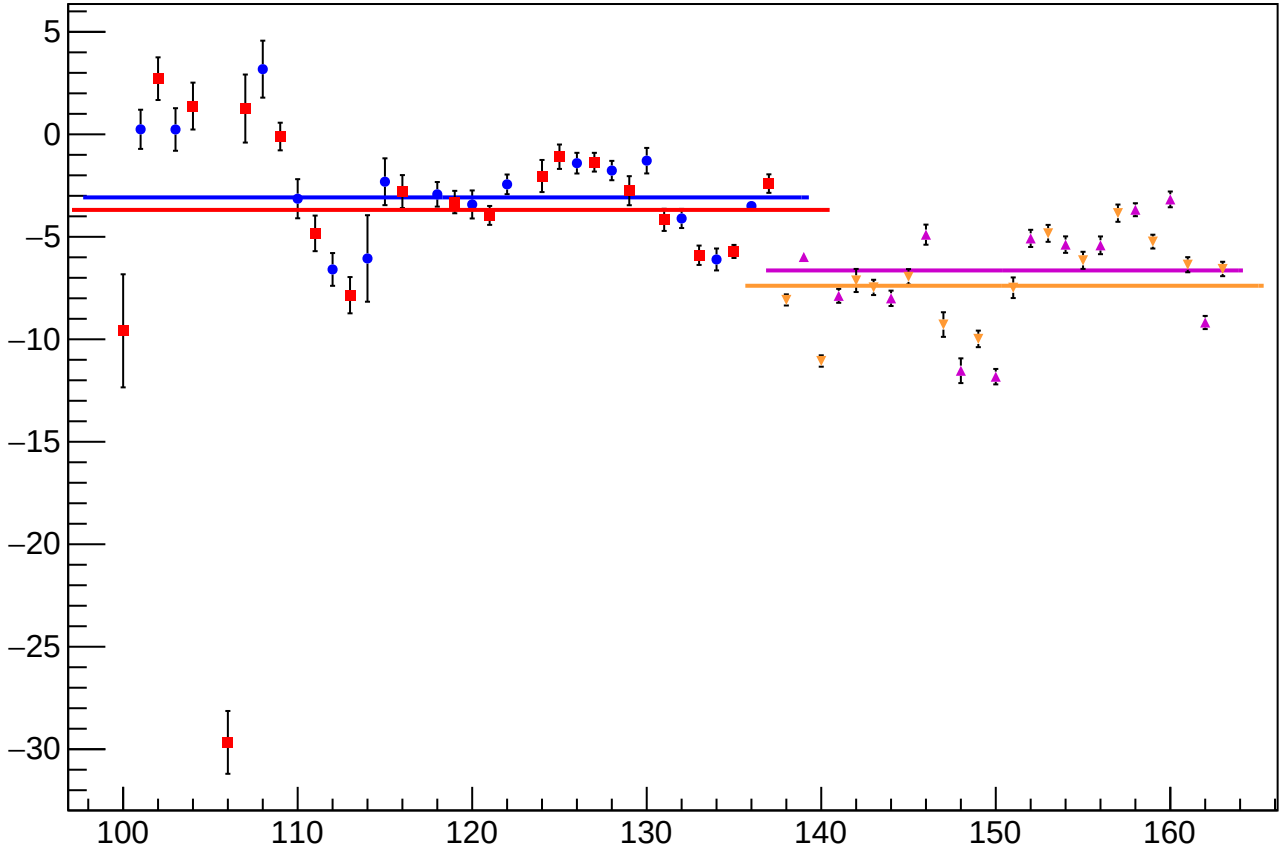
Left In: 0.000+/-0.000 χ^2/NDF:915154.1/11

+ sign 0.000+/-0.000 χ^2/NDF: 5523135.2/29

All: 0.000+/-0.000 χ^2/NDF: 10881219.5/60

- sign 0.000+/-0.000 χ^2/NDF: 5212235.4/30

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.388+/-0.101 χ^2/NDF:406.2/13

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

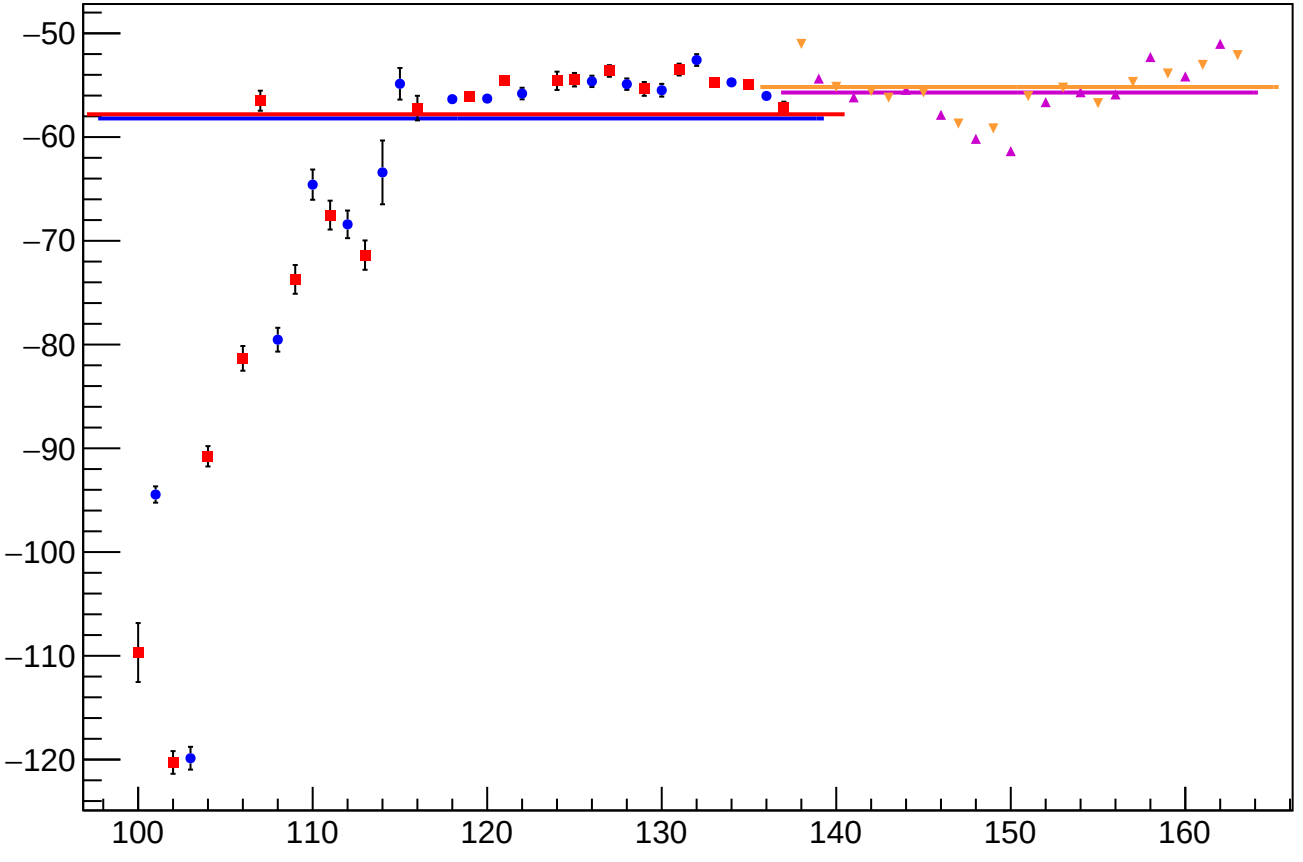
Left In: -6.640+/-0.105 χ^2/NDF:564.8/11

+ sign -5.847+/-0.081 χ^2/NDF: 1193.0/29

All: -5.718+/-0.058 χ^2/NDF: 2582.2/60

- sign -5.579+/-0.084 χ^2/NDF: 1384.0/30

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.174+/-0.073 χ^2/NDF:881.3/13

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

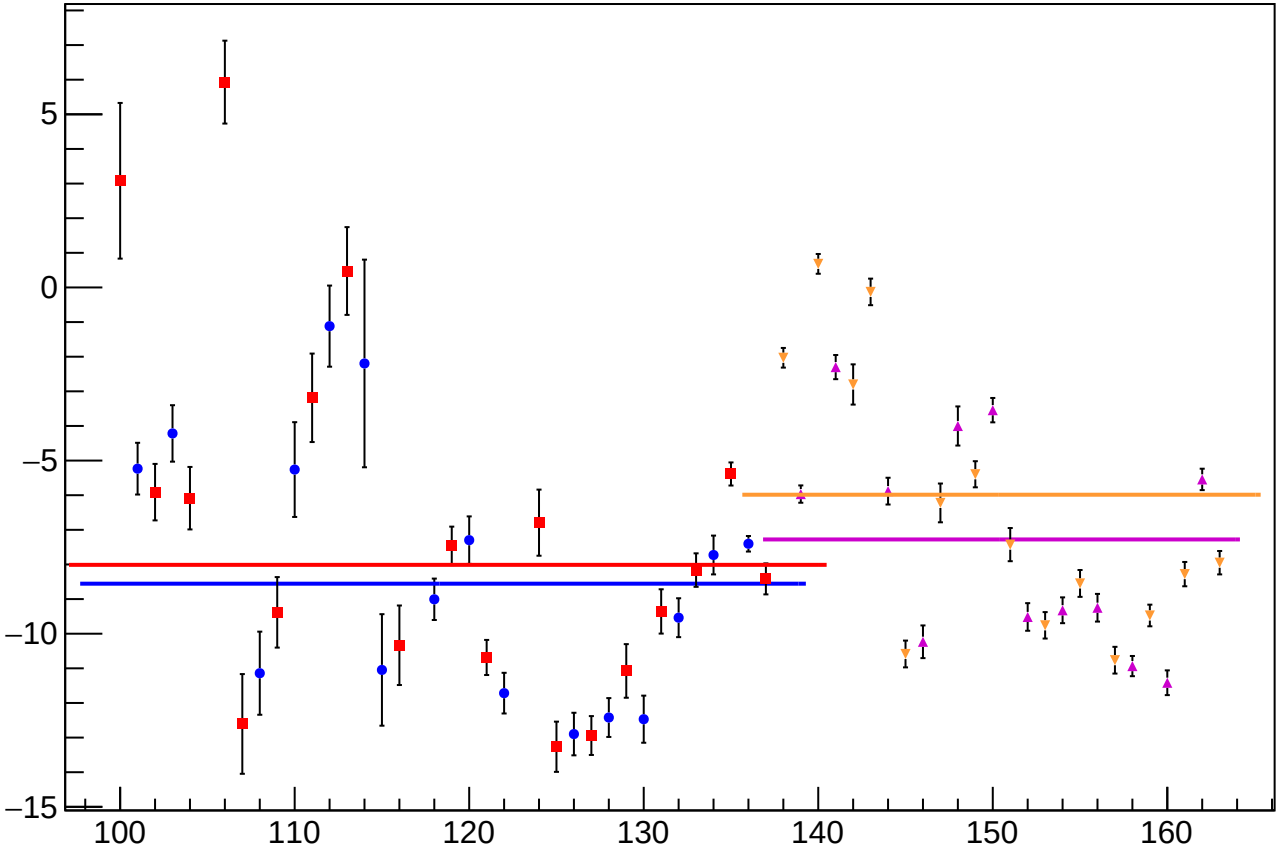
Left In: -55.707+/-0.079 χ^2/NDF:1433.8/11

+ sign -55.863+/-0.065 χ^2/NDF: 7394.3/29

All: -56.031+/-0.047 χ^2/NDF: 14808.3/60

- sign -56.219+/-0.068 χ^2/NDF: 7399.7/30

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.986+/-0.099 χ^2/NDF:1650.9/13

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

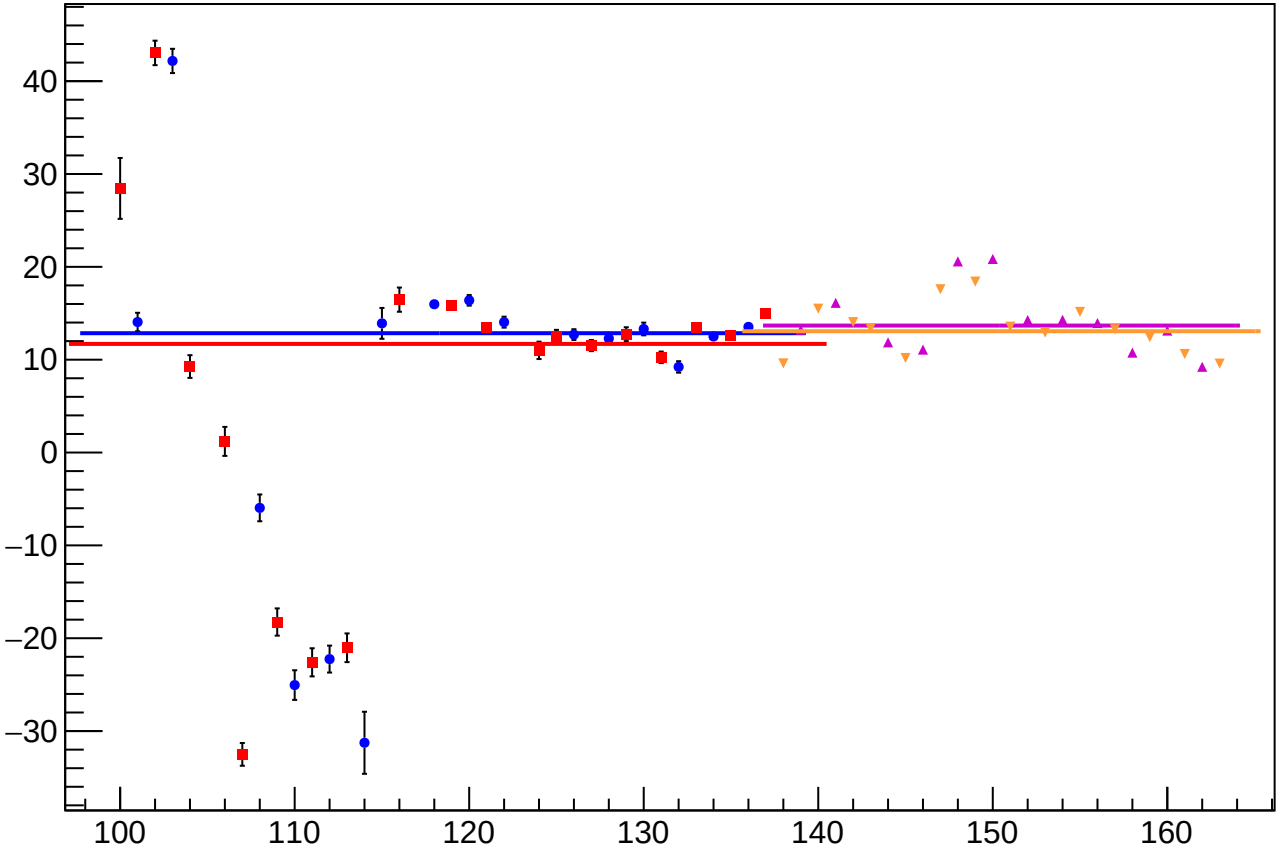
Left In: -7.278+/-0.102 χ^2/NDF:838.1/11

+ sign -6.800+/-0.081 χ^2/NDF: 2166.9/29

All: -7.137+/-0.059 χ^2/NDF: 3546.1/60

- sign -7.503+/-0.085 χ^2/NDF: 1343.4/30

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.065+/-0.084 χ^2/NDF:990.7/13

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

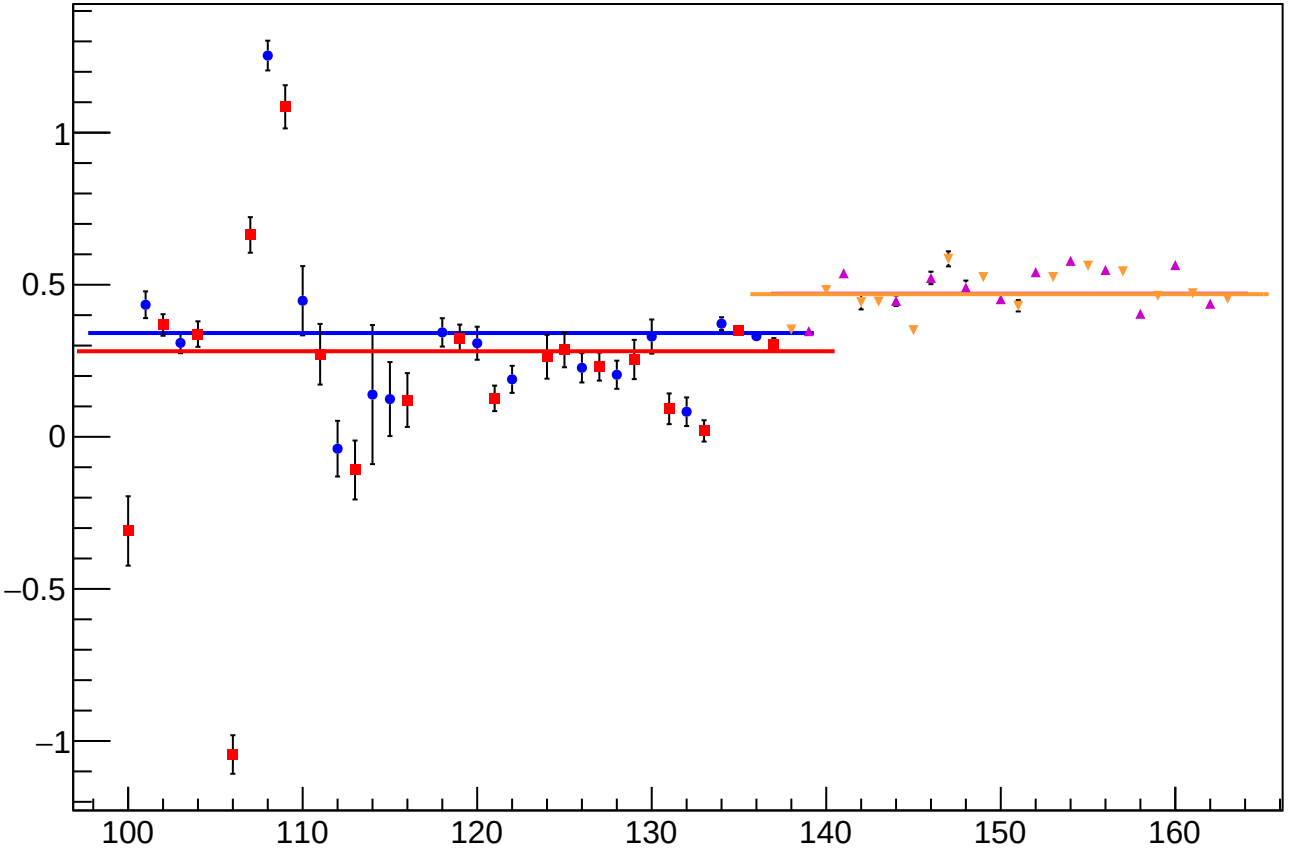
Left In: 13.675+/-0.089 χ^2/NDF:1508.6/11

+ sign 13.015+/-0.073 χ^2/NDF: 3120.7/29

All: 13.097+/-0.053 χ^2/NDF: 8253.0/60

- sign 13.187+/-0.077 χ^2/NDF: 5129.7/30

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.004 χ^2/NDF:323.4/13

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

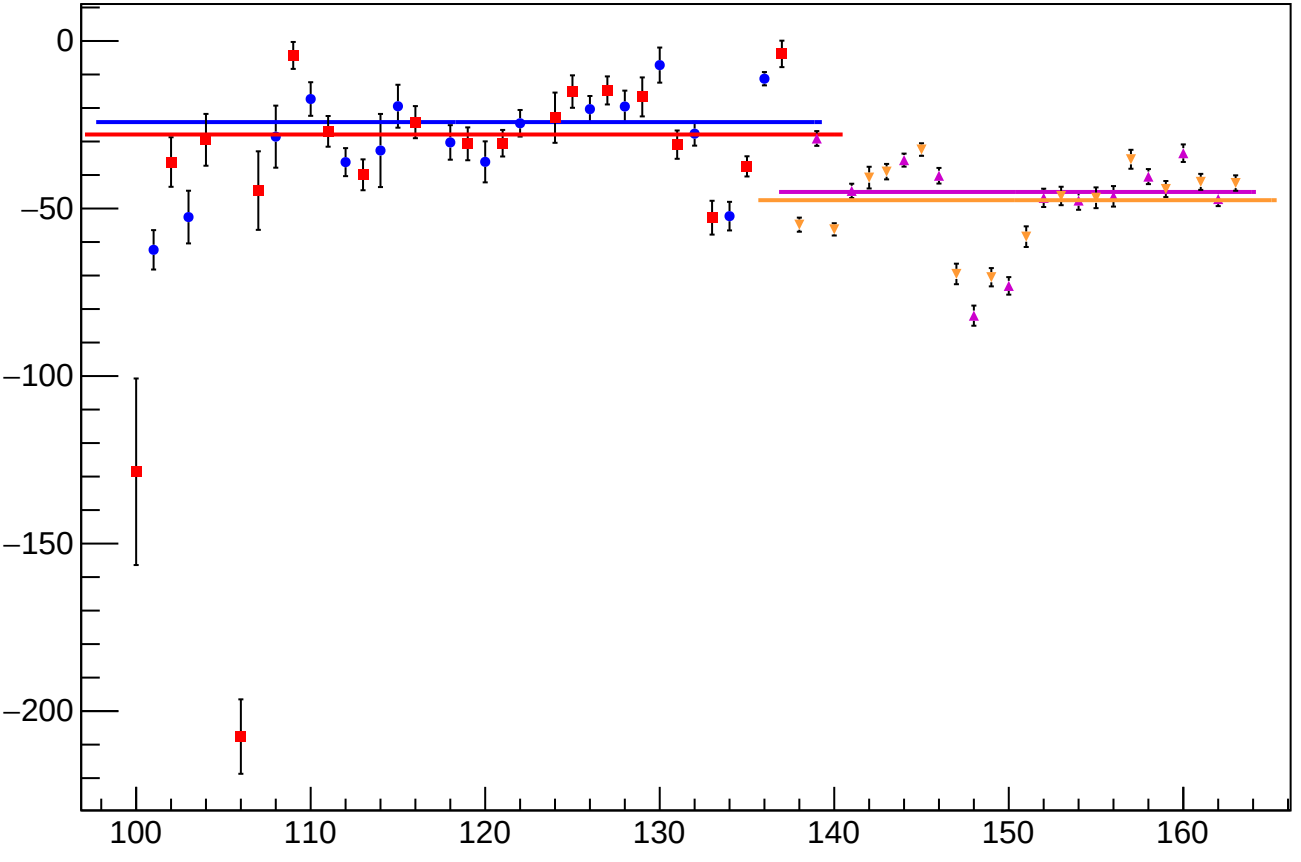
Left In: 0.470+/-0.004 χ^2/NDF:464.3/11

+ sign 0.446+/-0.003 χ^2/NDF: 973.8/29

All: 0.443+/-0.002 χ^2/NDF: 2634.0/60

- sign 0.439+/-0.003 χ^2/NDF: 1658.4/30

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.512+/-0.654 χ^2/NDF:283.4/13

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

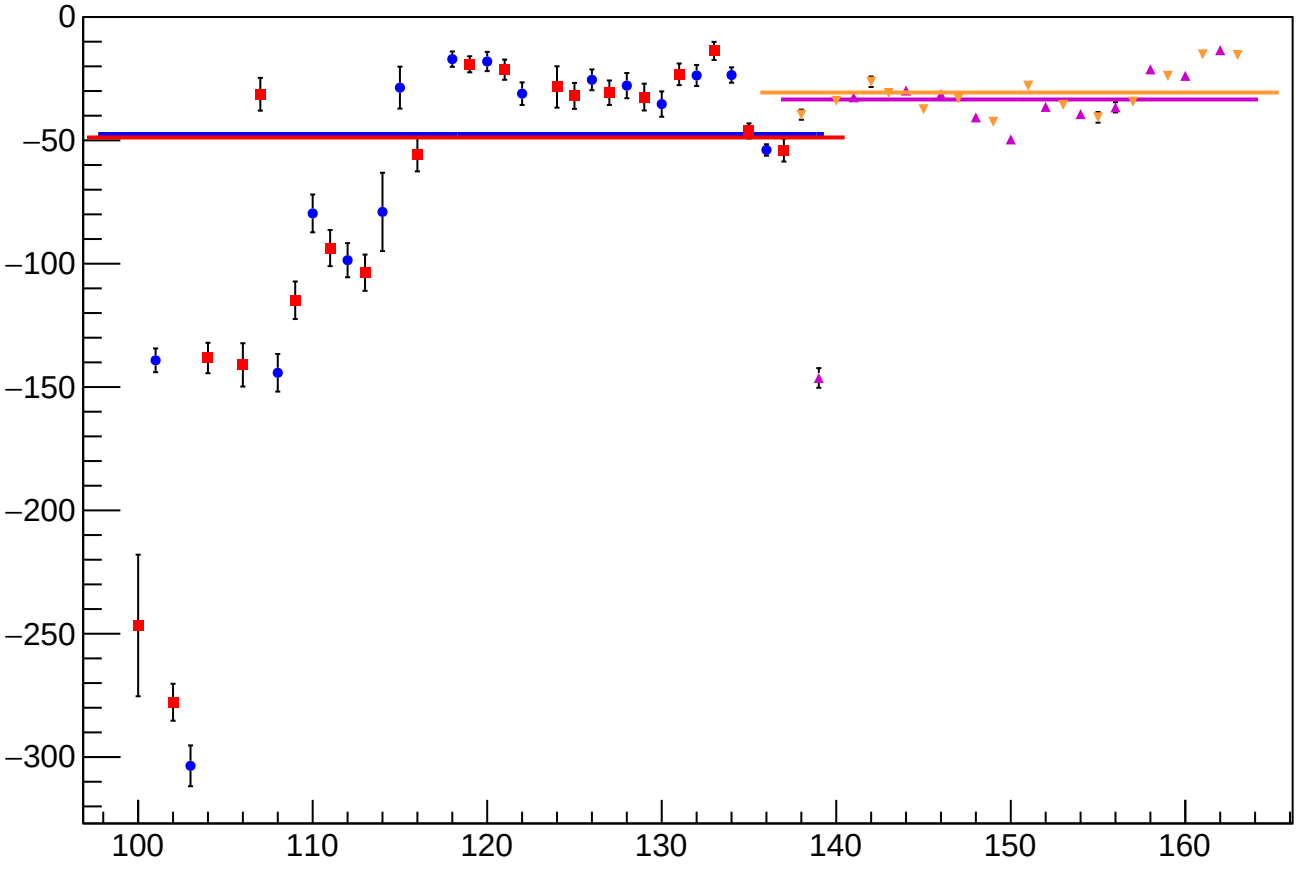
Left In: -45.057+/-0.695 χ^2/NDF:372.3/11

+ sign -41.309+/-0.560 χ^2/NDF: 792.0/29

All: -40.876+/-0.407 χ^2/NDF: 1744.6/60

- sign -40.391+/-0.593 χ^2/NDF: 951.4/30

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.613+/-0.458 χ^2/NDF:330.6/13

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

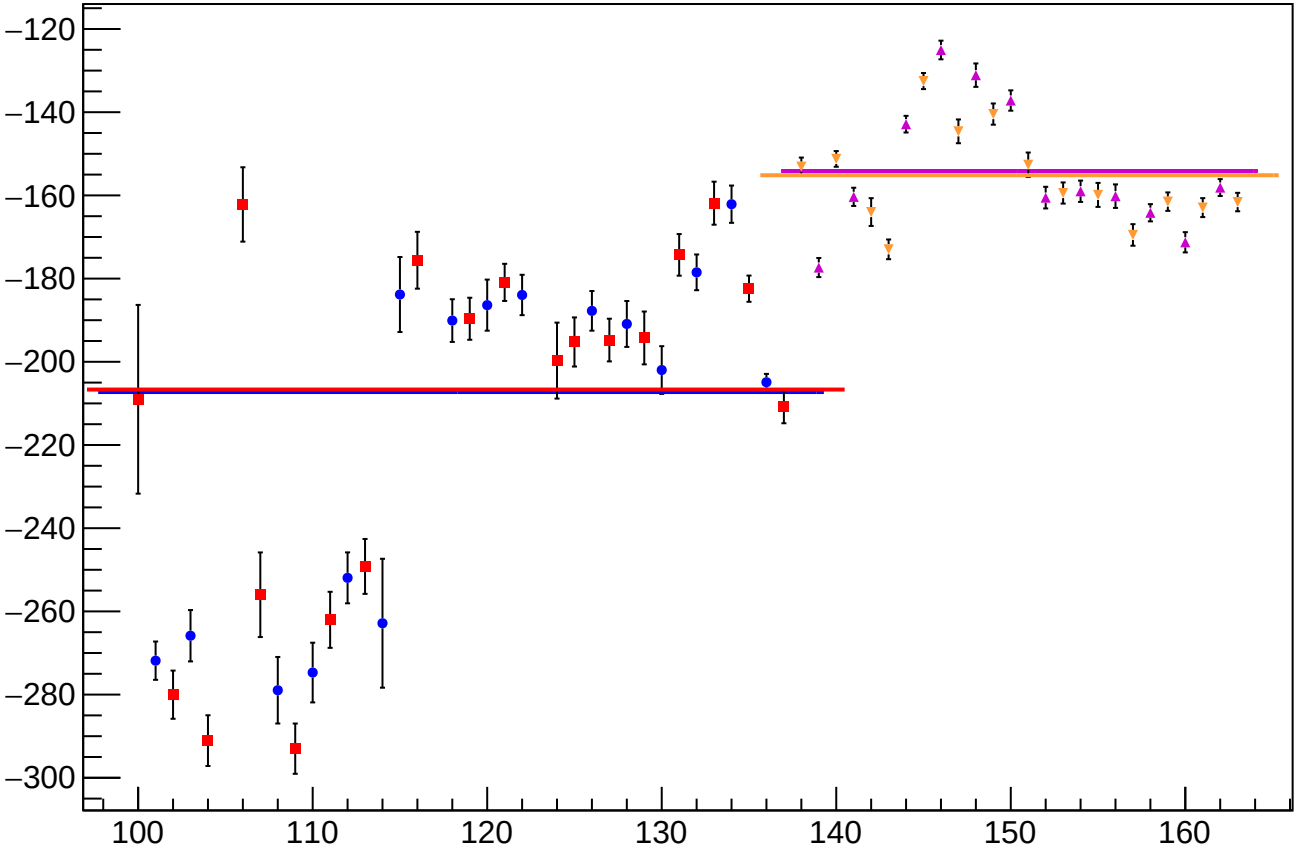
Left In: -33.432+/-0.484 χ^2/NDF:1184.4/11

+ sign -33.090+/-0.423 χ^2/NDF: 2402.8/29

All: -34.292+/-0.307 χ^2/NDF: 5524.3/60

- sign -35.642+/-0.448 χ^2/NDF: 3104.3/30

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -155.156+/-0.640 χ^2/NDF:317.7/13

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

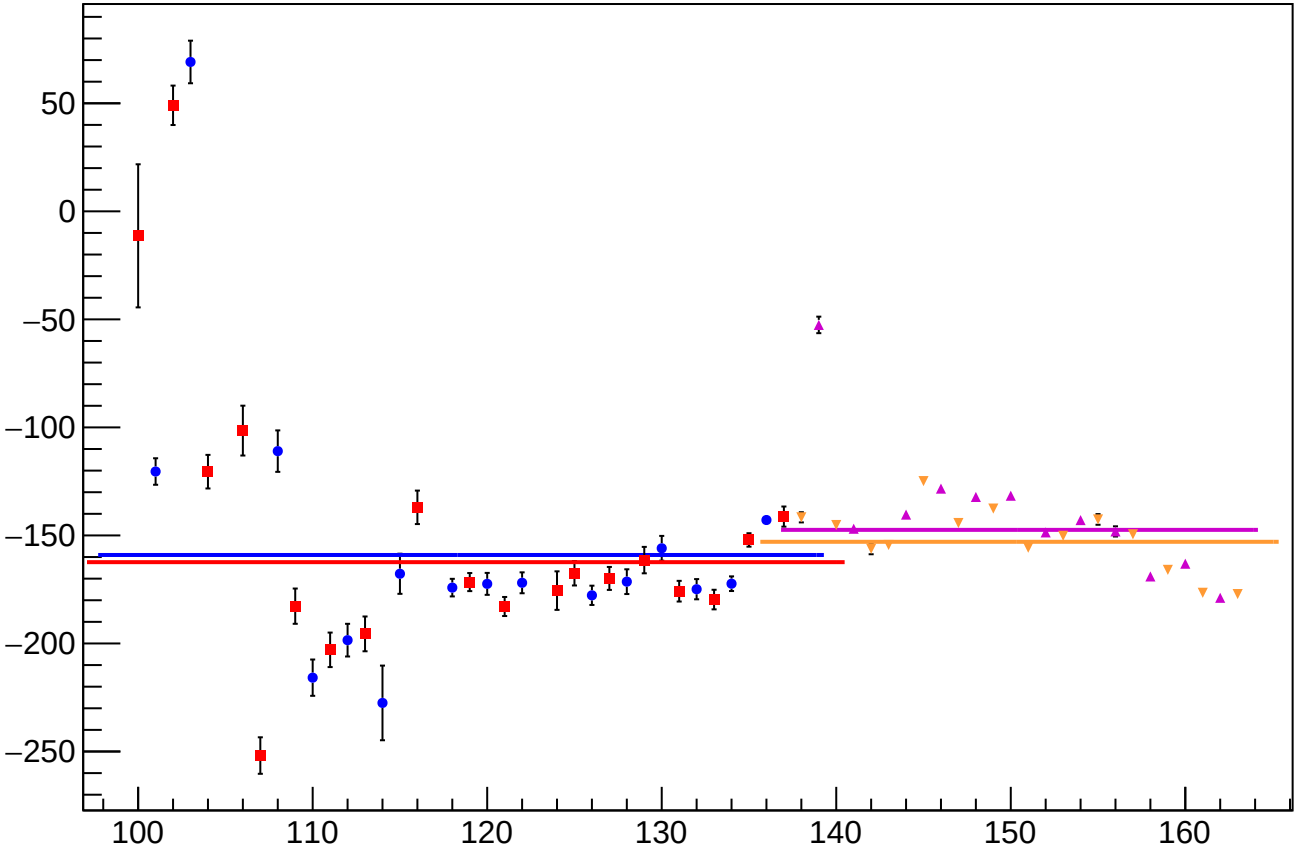
Left In: -154.134+/-0.673 χ^2/NDF:516.4/11

+ sign -167.039+/-0.563 χ^2/NDF: 2575.9/29

All: -166.320+/-0.409 χ^2/NDF: 5386.2/60

- sign -165.515+/-0.595 χ^2/NDF: 2806.8/30

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -152.948+/-0.532 χ^2/NDF:844.1/13

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

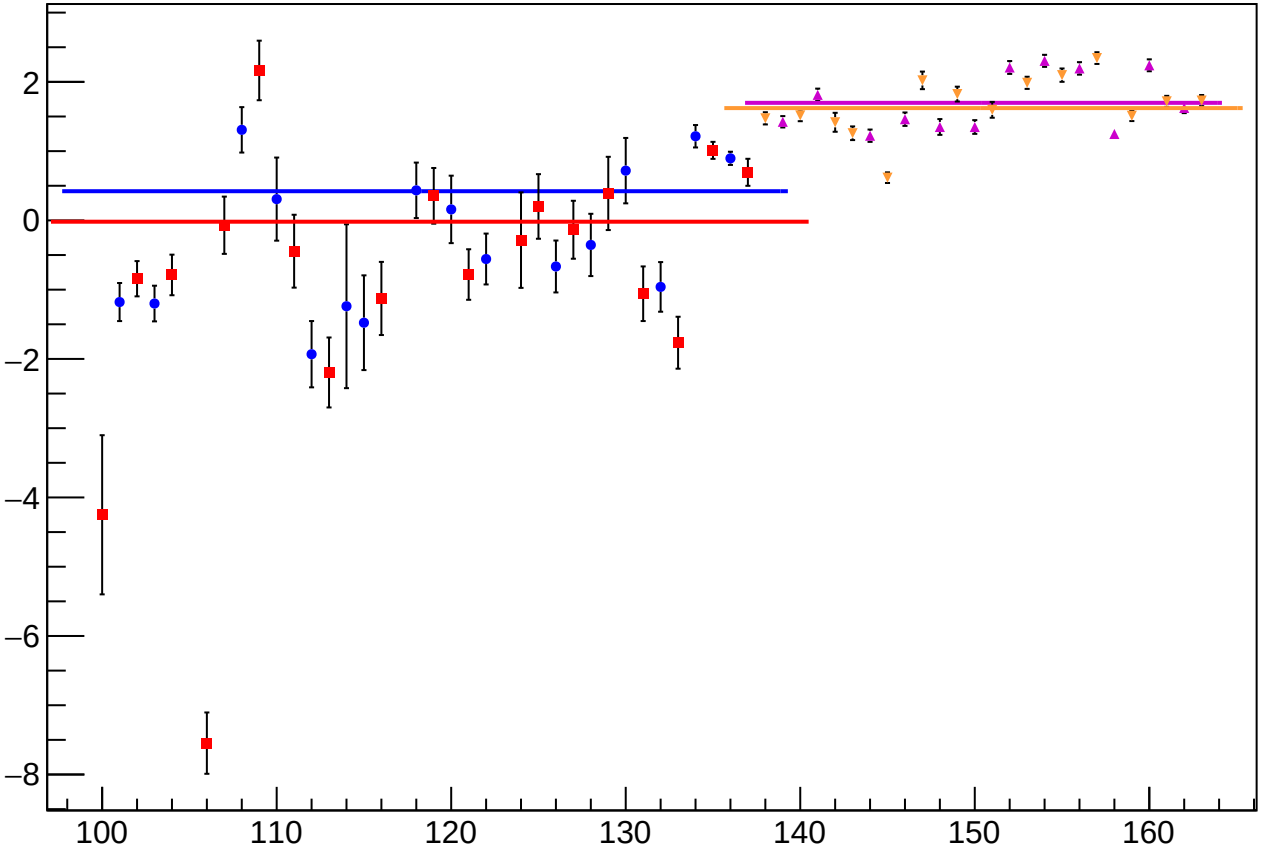
Left In: -147.425+/-0.560 χ^2/NDF:1478.4/11

+ sign -153.914+/-0.488 χ^2/NDF: 1680.7/29

All: -151.925+/-0.354 χ^2/NDF: 4175.1/60

- sign -149.696+/-0.516 χ^2/NDF: 2459.0/30

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.621+/-0.024 χ^2/NDF:325.0/13

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

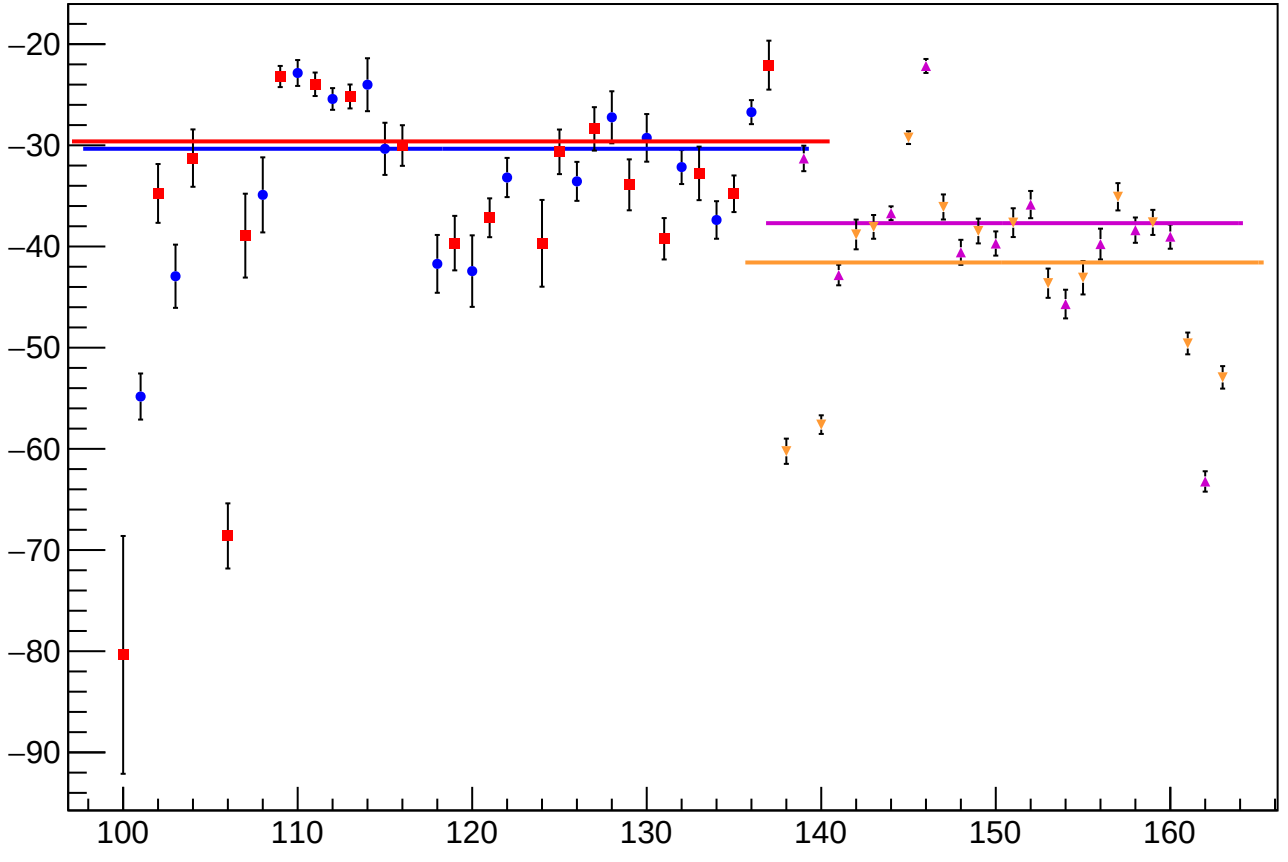
Left In: 1.697+/-0.025 χ^2/NDF:257.4/11

+ sign 1.473+/-0.023 χ^2/NDF: 822.9/29

All: 1.490+/-0.017 χ^2/NDF: 2071.4/60

- sign 1.510+/-0.024 χ^2/NDF: 1247.2/30

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -41.579+/-0.301 χ^2/NDF:1150.3/13

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

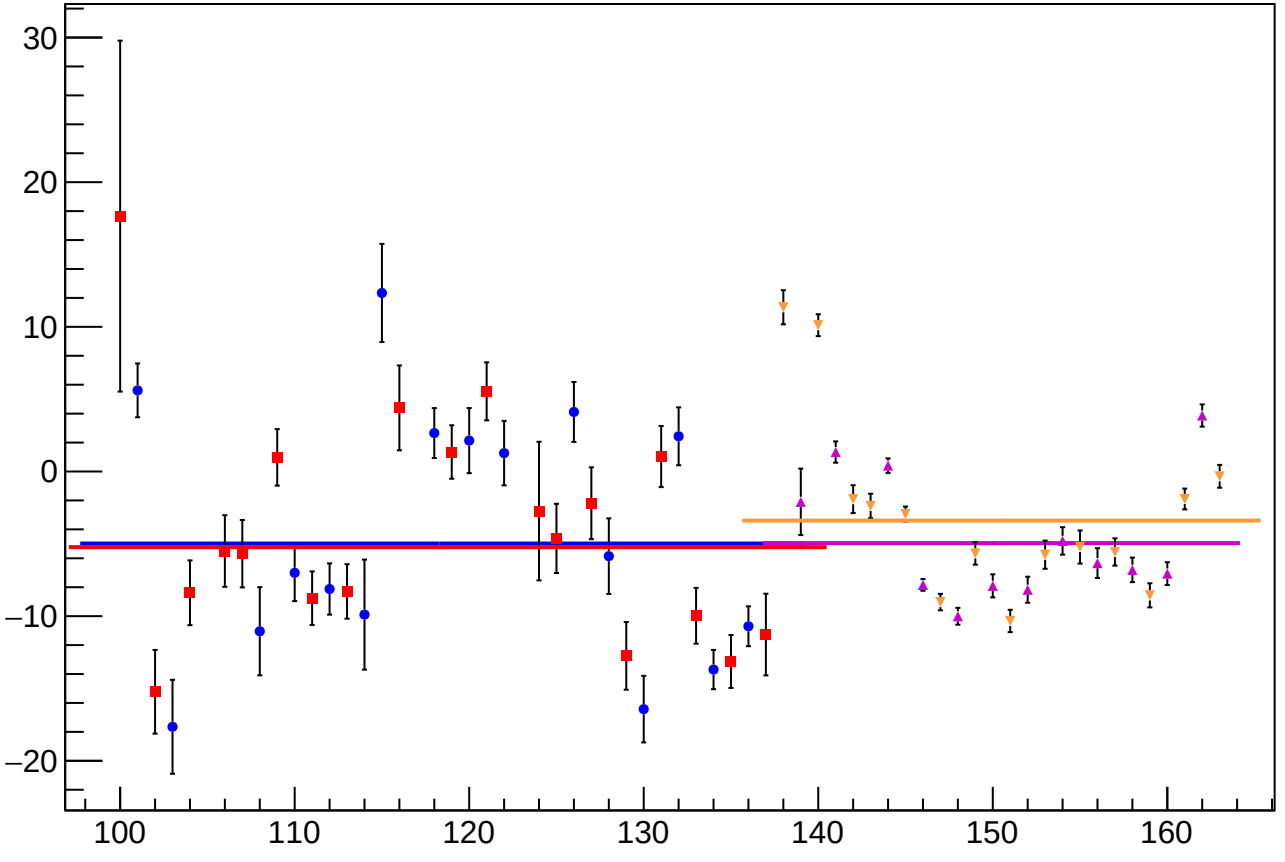
Left In: -37.694+/-0.302 χ^2/NDF:1245.8/11

+ sign -38.292+/-0.253 χ^2/NDF: 1812.1/29

All: -36.727+/-0.178 χ^2/NDF: 3685.0/60

- sign -35.192+/-0.251 χ^2/NDF: 1797.2/30

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.390+/-0.208 χ^2/NDF:738.9/13

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

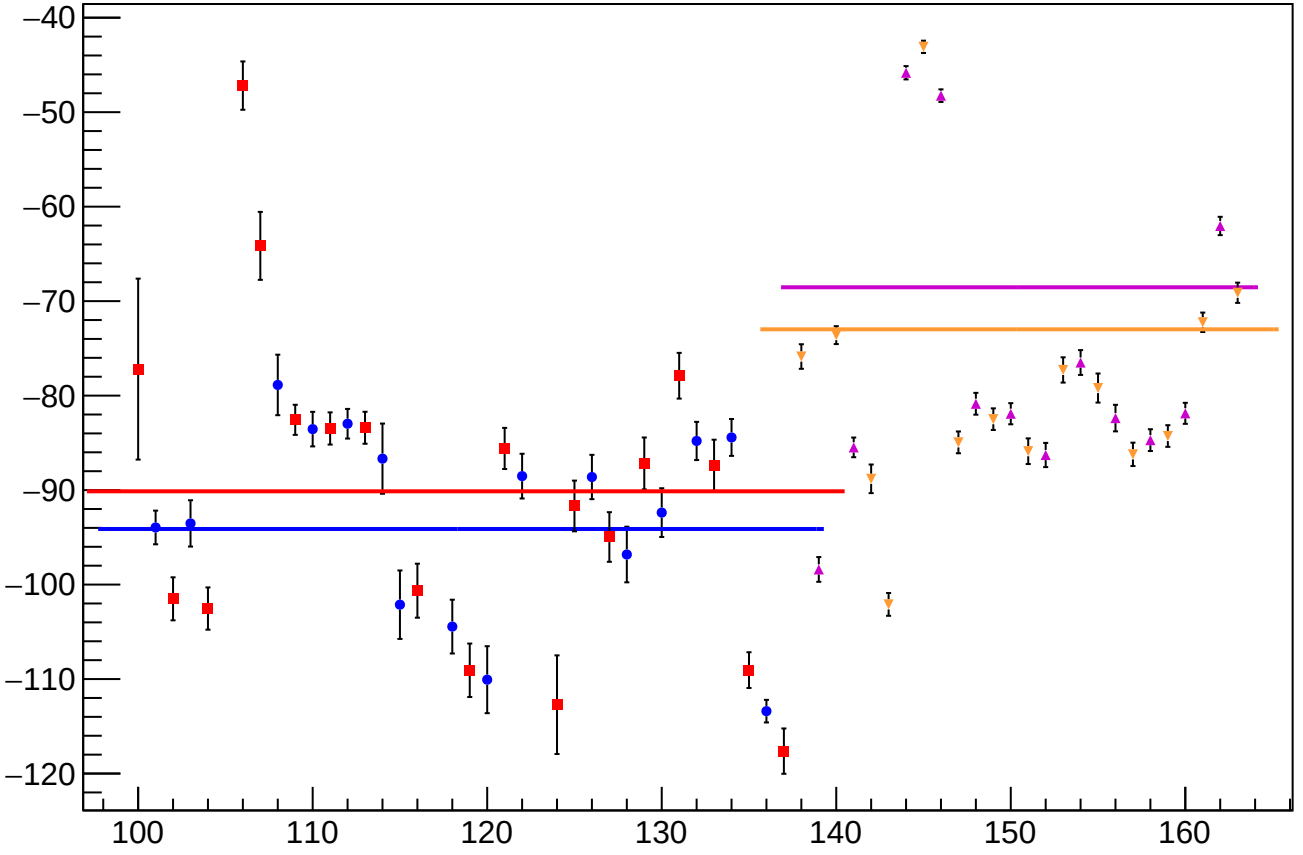
Left In: -4.950+/-0.202 χ^2/NDF:486.6/11

+ sign -3.618+/-0.193 χ^2/NDF: 984.6/29

All: -4.319+/-0.135 χ^2/NDF: 1633.7/60

- sign -4.986+/-0.188 χ^2/NDF: 623.3/30

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -72.983+/-0.295 χ^2/NDF:3327.8/13

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

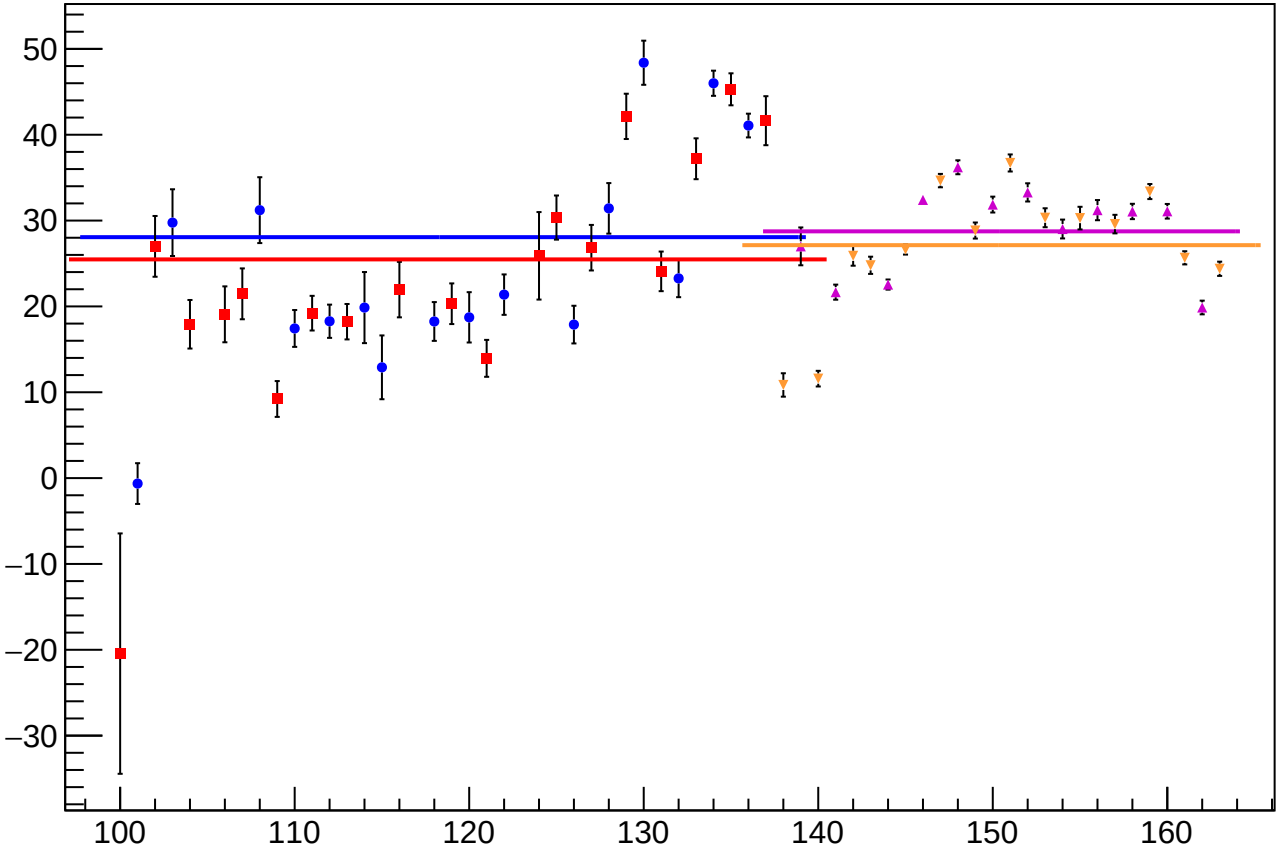
Left In: -68.532+/-0.293 χ^2/NDF:3719.6/11

+ sign -77.891+/-0.259 χ^2/NDF: 4983.5/29

All: -75.639+/-0.183 χ^2/NDF: 10868.4/60

- sign -73.404+/-0.258 χ^2/NDF: 5734.0/30

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.135+/-0.244 χ^2/NDF:714.2/13

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

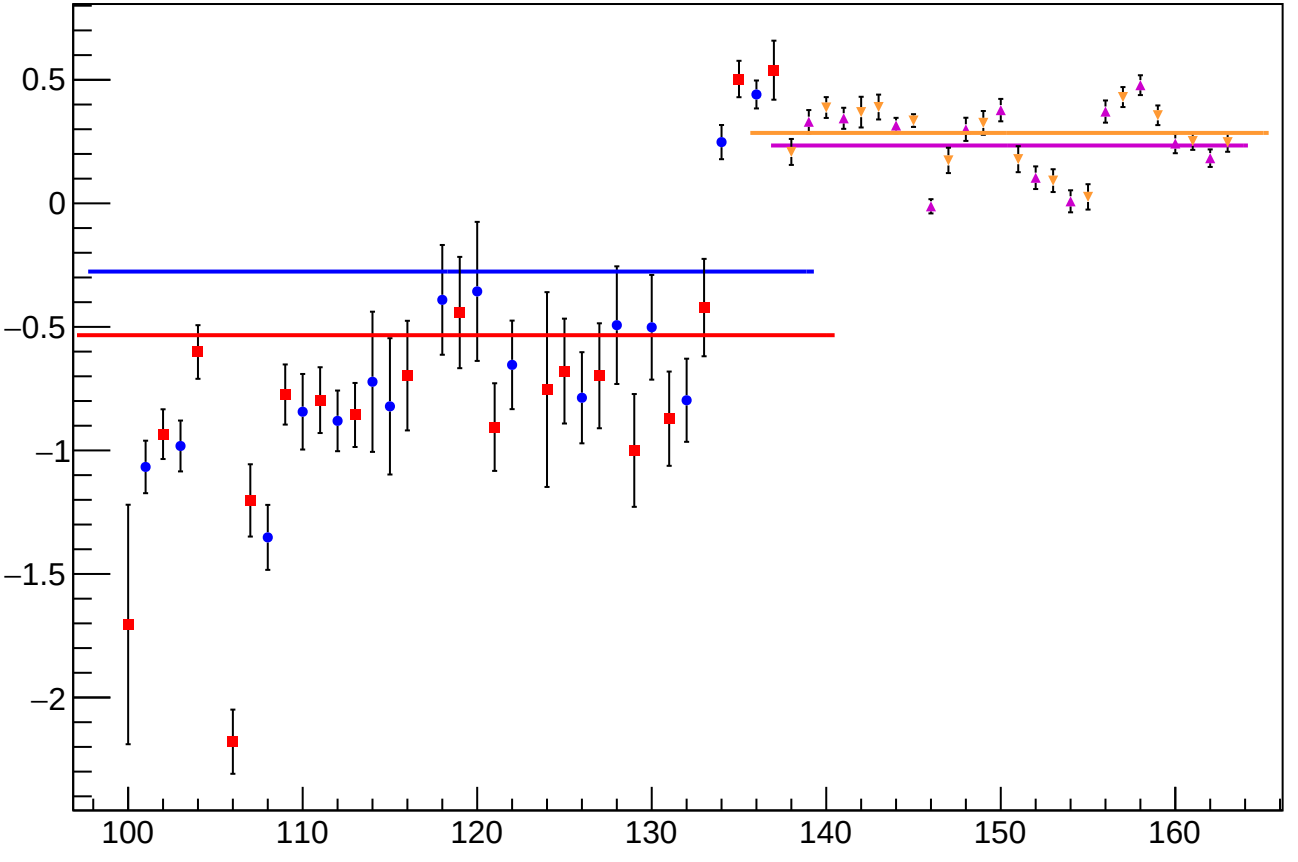
Left In: 28.744+/-0.239 χ^2/NDF:483.5/11

\+ sign 27.280+/-0.224 χ^2/NDF: 1299.5/29

All: 27.788+/-0.157 χ^2/NDF: 2174.1/60

\- sign 28.285+/-0.221 χ^2/NDF: 864.4/30

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.285+/-0.011 χ^2/NDF:88.3/13

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

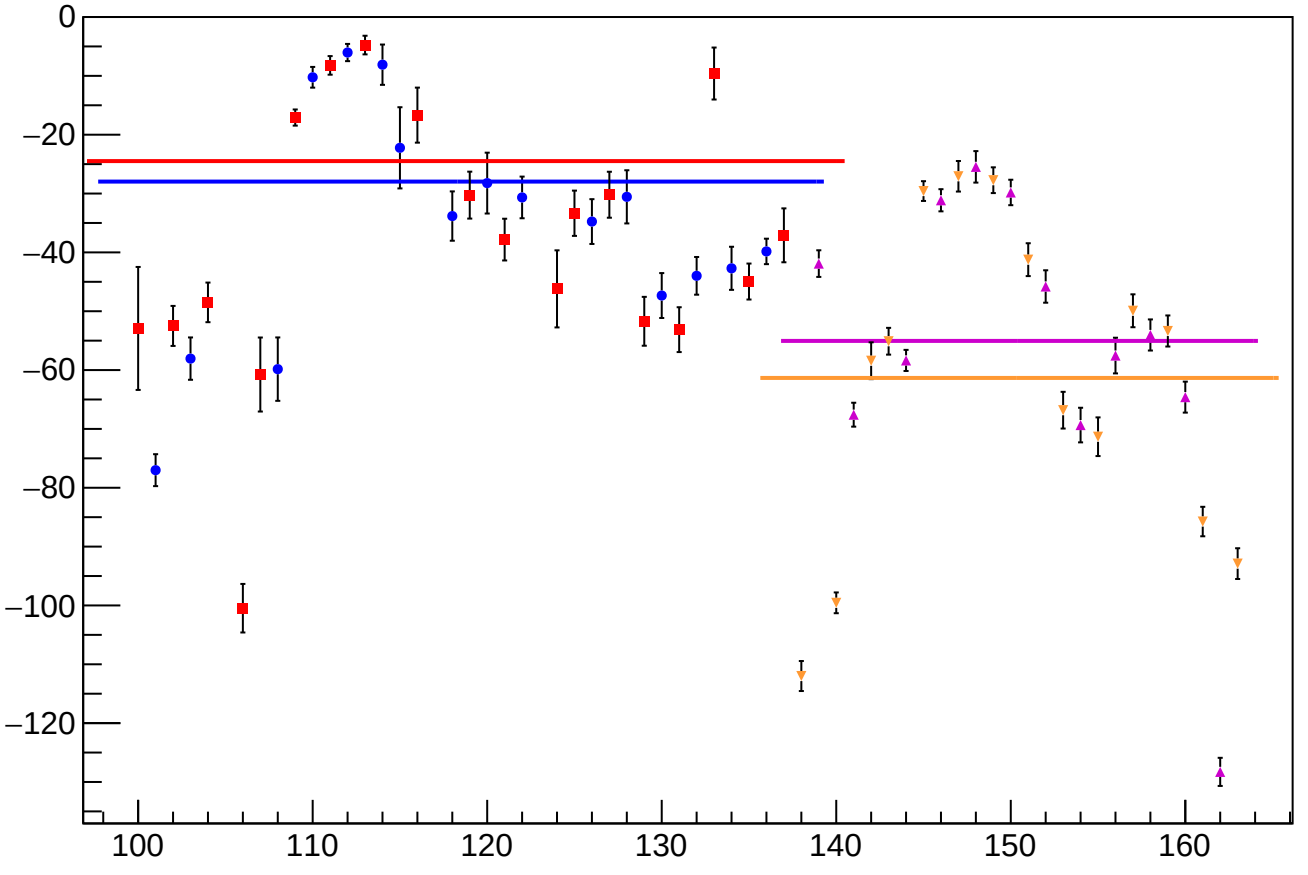
Left In: 0.234+/-0.011 χ^2/NDF:184.5/11

+ sign 0.218+/-0.011 χ^2/NDF: 839.0/29

All: 0.185+/-0.008 χ^2/NDF: 2040.4/60

- sign 0.152+/-0.011 χ^2/NDF: 1182.5/30

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -61.337+/-0.648 χ^2/NDF:1969.9/13

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

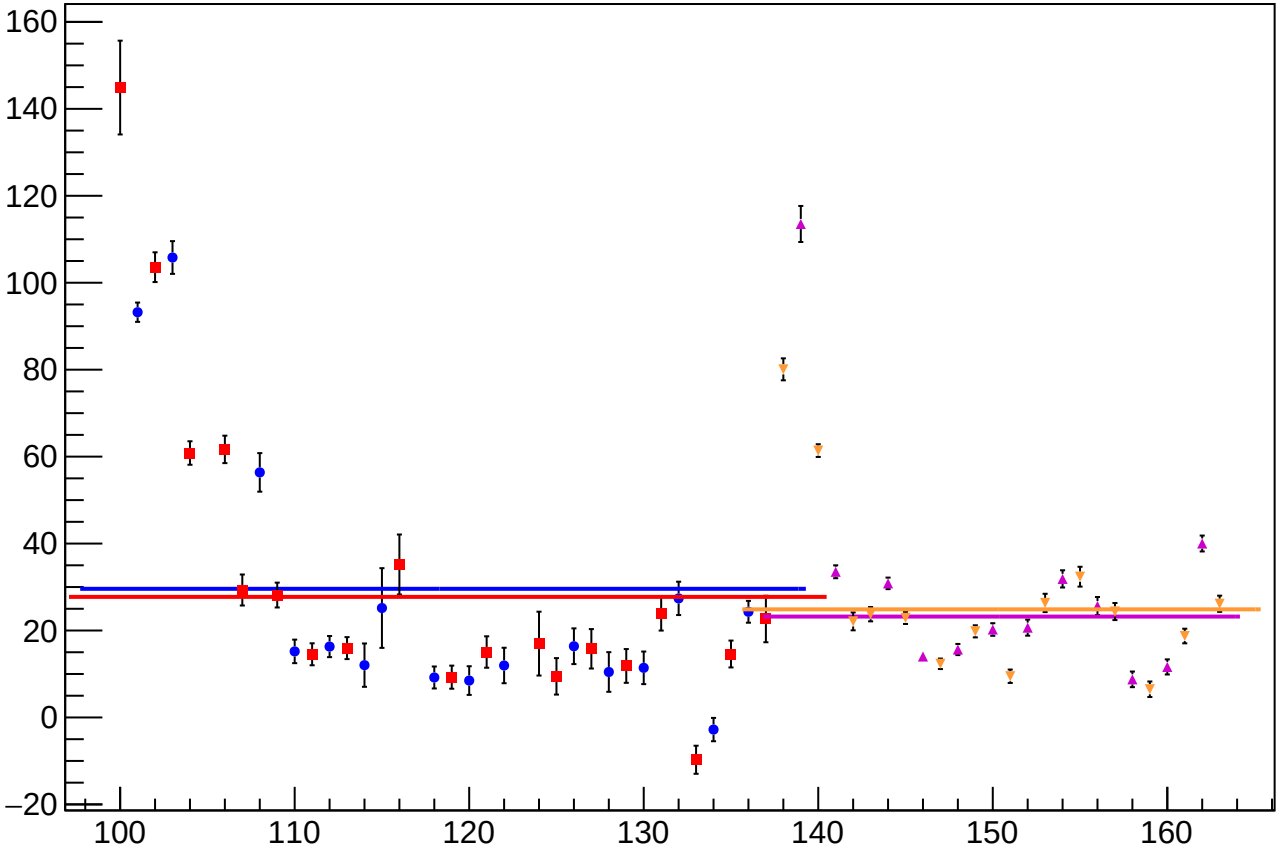
Left In: -55.044+/-0.674 χ^2/NDF:1482.8/11

+ sign -46.580+/-0.484 χ^2/NDF: 4037.8/29

All: -42.964+/-0.338 χ^2/NDF: 7664.8/60

- sign -39.514+/-0.473 χ^2/NDF: 3517.8/30

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 24.871+/-0.448 χ^2/NDF:1453.2/13

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

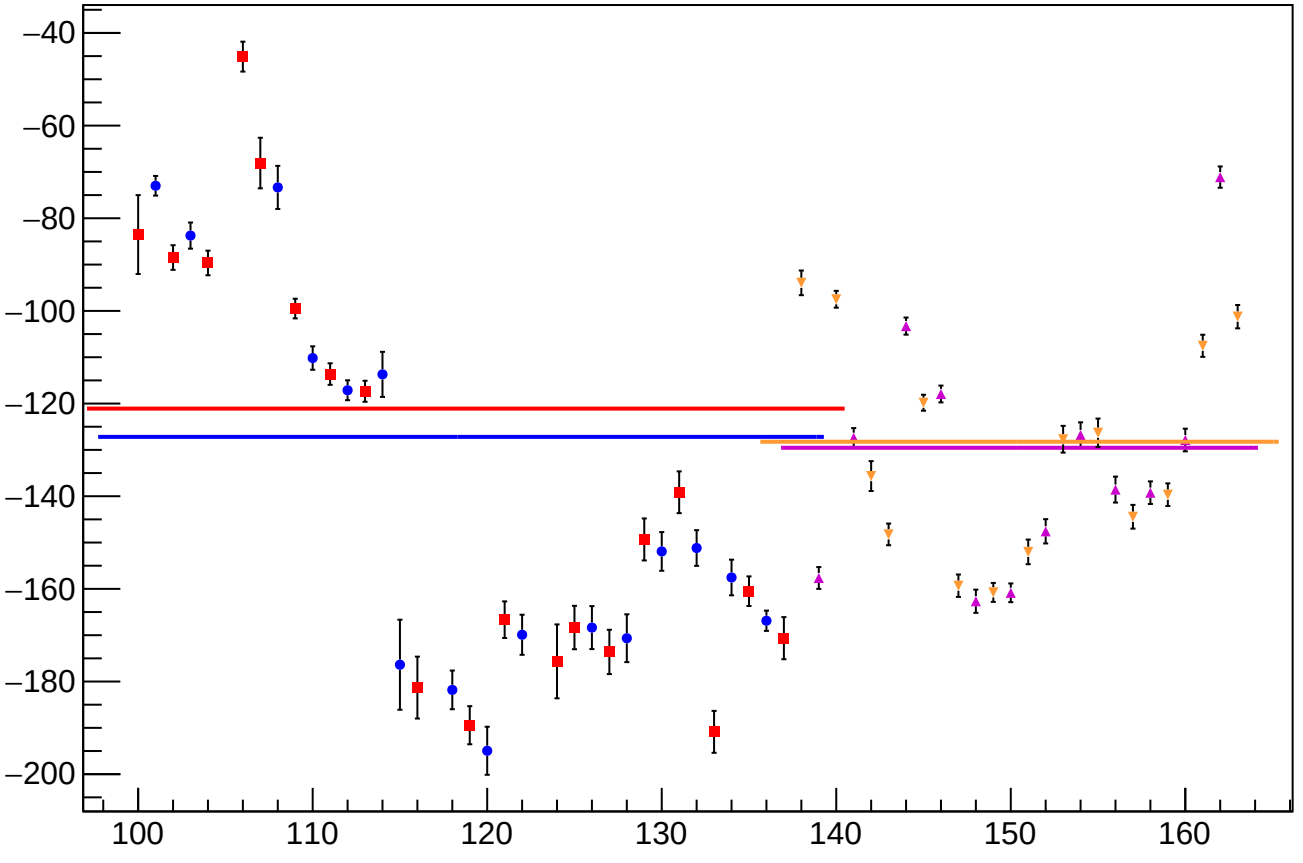
Left In: 23.209+/-0.464 χ^2/NDF:875.6/11

+ sign 25.982+/-0.392 χ^2/NDF: 3145.0/29

All: 25.188+/-0.280 χ^2/NDF: 5238.2/60

- sign 24.355+/-0.401 χ^2/NDF: 2084.8/30

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -128.239+/-0.634 χ^2/NDF:1305.2/13

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

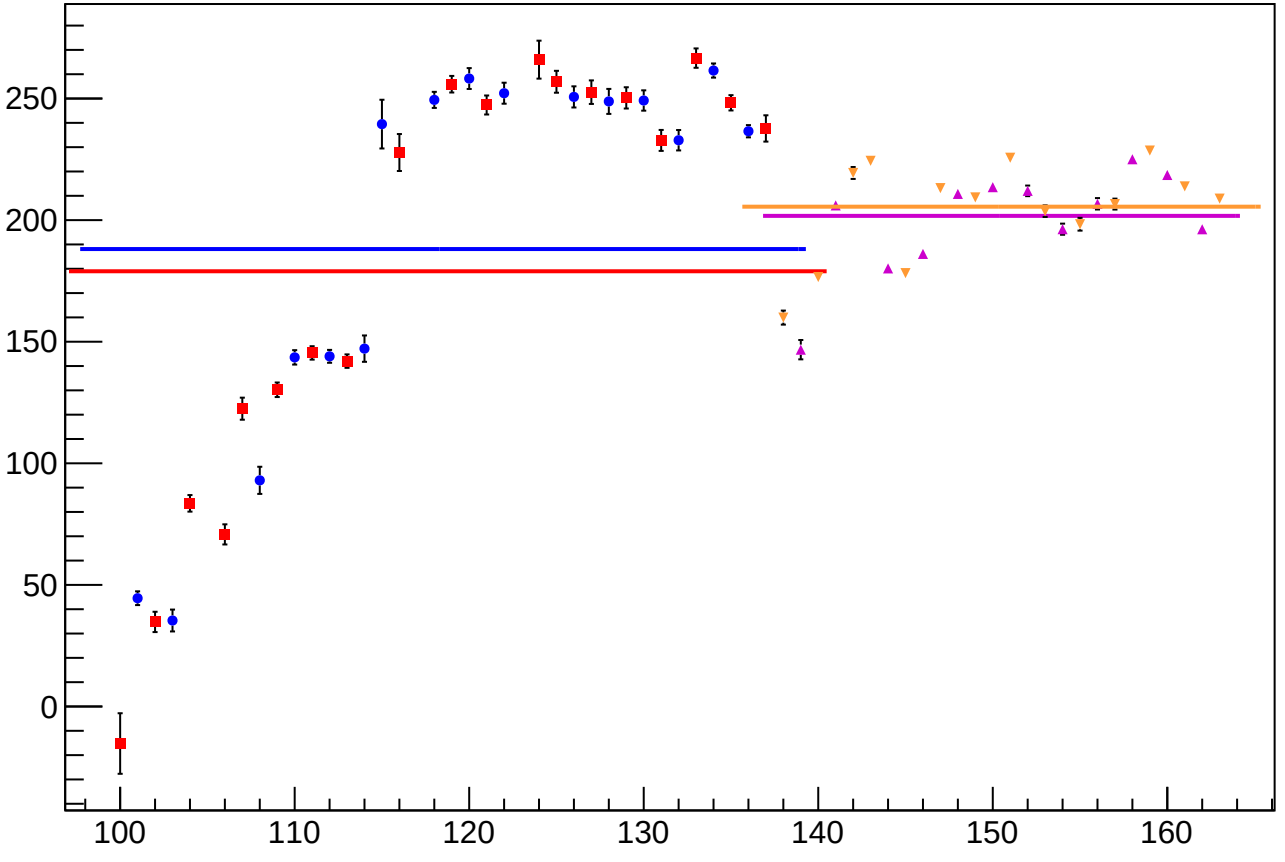
Left In: -129.542+/-0.653 χ^2/NDF:1522.4/11

+ sign -127.852+/-0.503 χ^2/NDF: 3484.3/29

All: -127.004+/-0.357 χ^2/NDF: 7477.0/60

- sign -126.149+/-0.505 χ^2/NDF: 3986.9/30

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 205.529+/-0.526 χ^2/NDF:1252.5/13

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

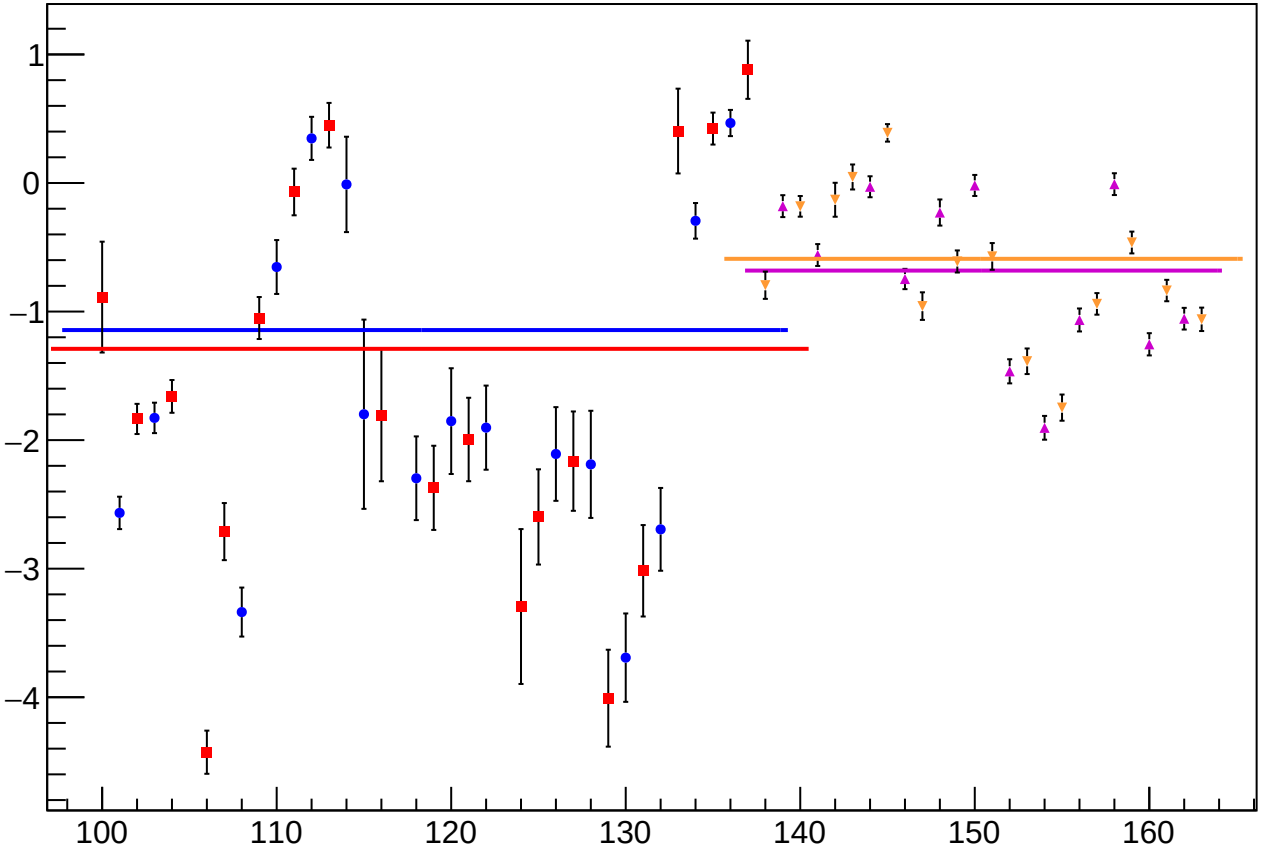
Left In: 201.753+/-0.543 χ^2/NDF:859.7/11

+ sign 201.230+/-0.456 χ^2/NDF: 8642.4/29

All: 198.550+/-0.326 χ^2/NDF: 16705.2/60

- sign 195.751+/-0.466 χ^2/NDF: 7992.1/30

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.590+/-0.024 χ^2/NDF:551.3/13

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

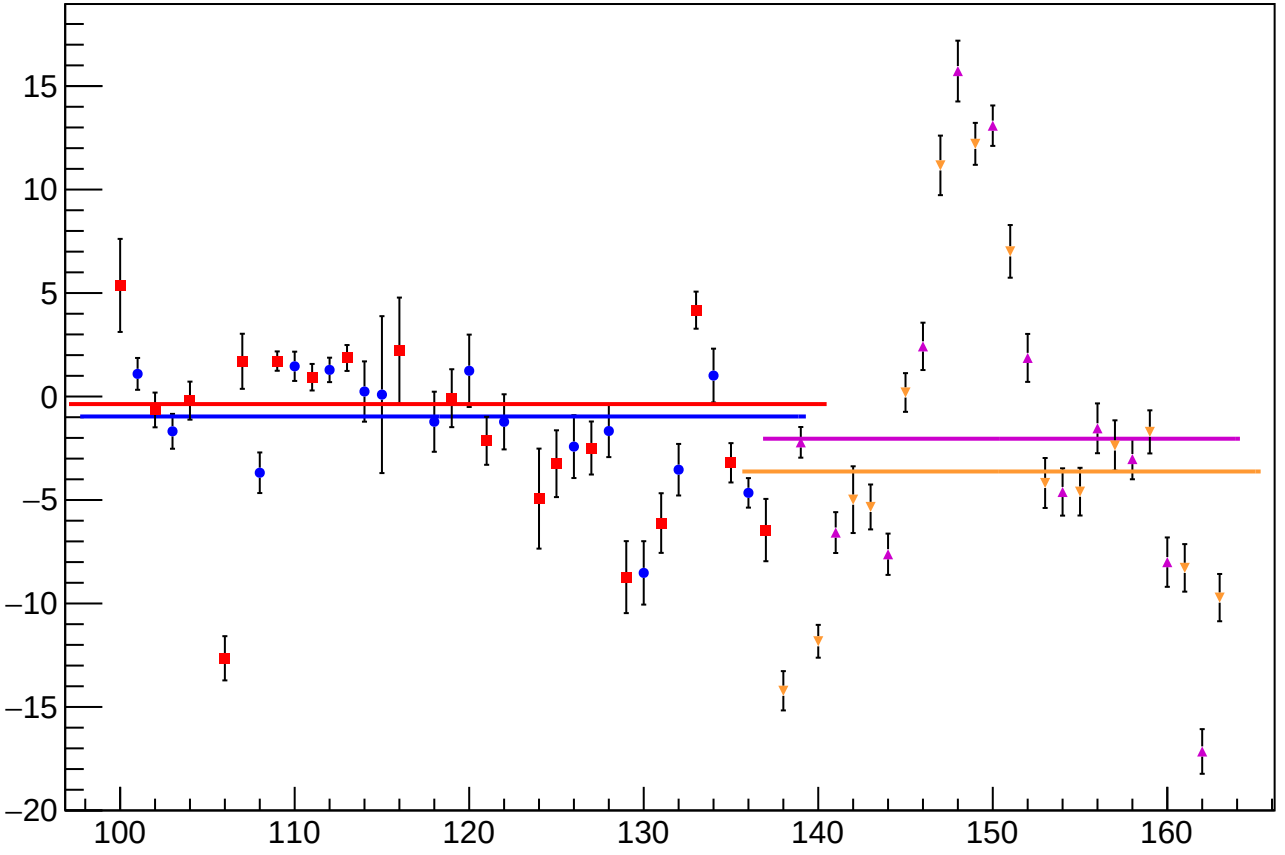
Left In: -0.681+/-0.025 χ^2/NDF:575.6/11

+ sign -0.703+/-0.022 χ^2/NDF: 1444.6/29

All: -0.758+/-0.016 χ^2/NDF: 3159.9/60

- sign -0.813+/-0.022 χ^2/NDF: 1702.7/30

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.622+/-0.292 χ^2/NDF:721.4/13

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

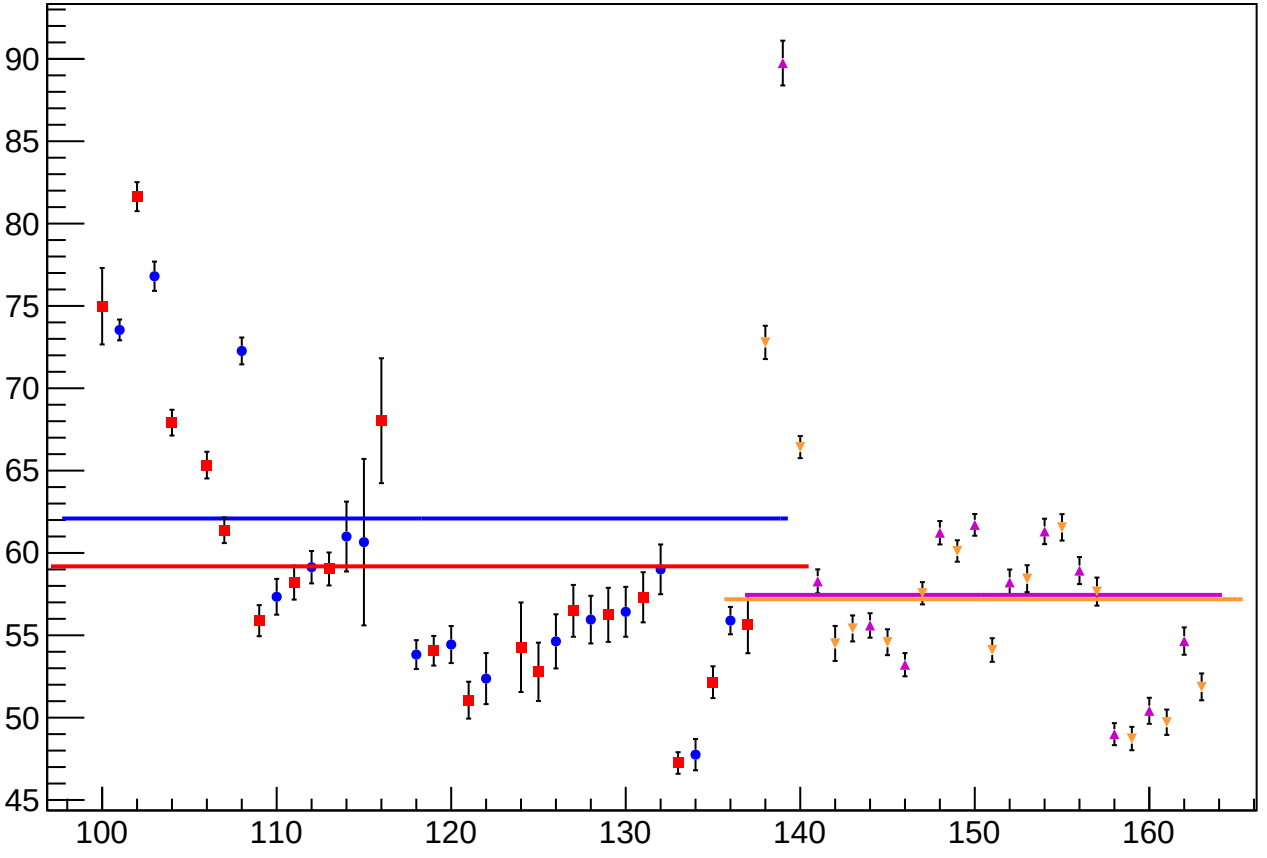
Left In: -2.039+/-0.302 χ^2/NDF:692.5/11

+ sign -2.104+/-0.191 χ^2/NDF: 871.8/29

All: -1.495+/-0.131 χ^2/NDF: 1883.8/60

- sign -0.957+/-0.180 χ^2/NDF: 992.9/30

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.190+/-0.207 χ^2/NDF:799.9/13

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

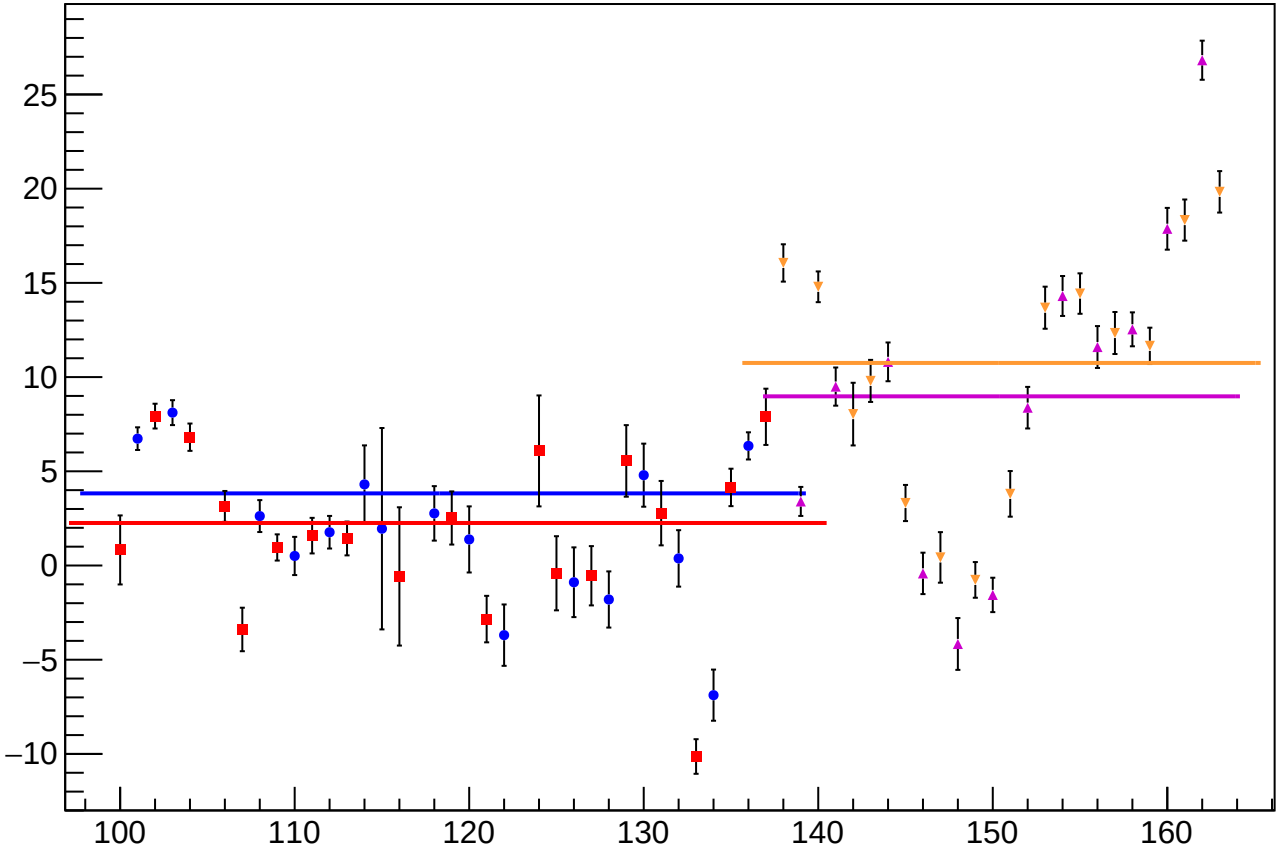
Left In: 57.455+/-0.220 χ^2/NDF:957.5/11

+ sign 59.042+/-0.163 χ^2/NDF: 2313.6/29

All: 58.639+/-0.115 χ^2/NDF: 4713.3/60

- sign 58.234+/-0.163 χ^2/NDF: 2387.4/30

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.751+/-0.285 χ^2/NDF:494.5/13

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

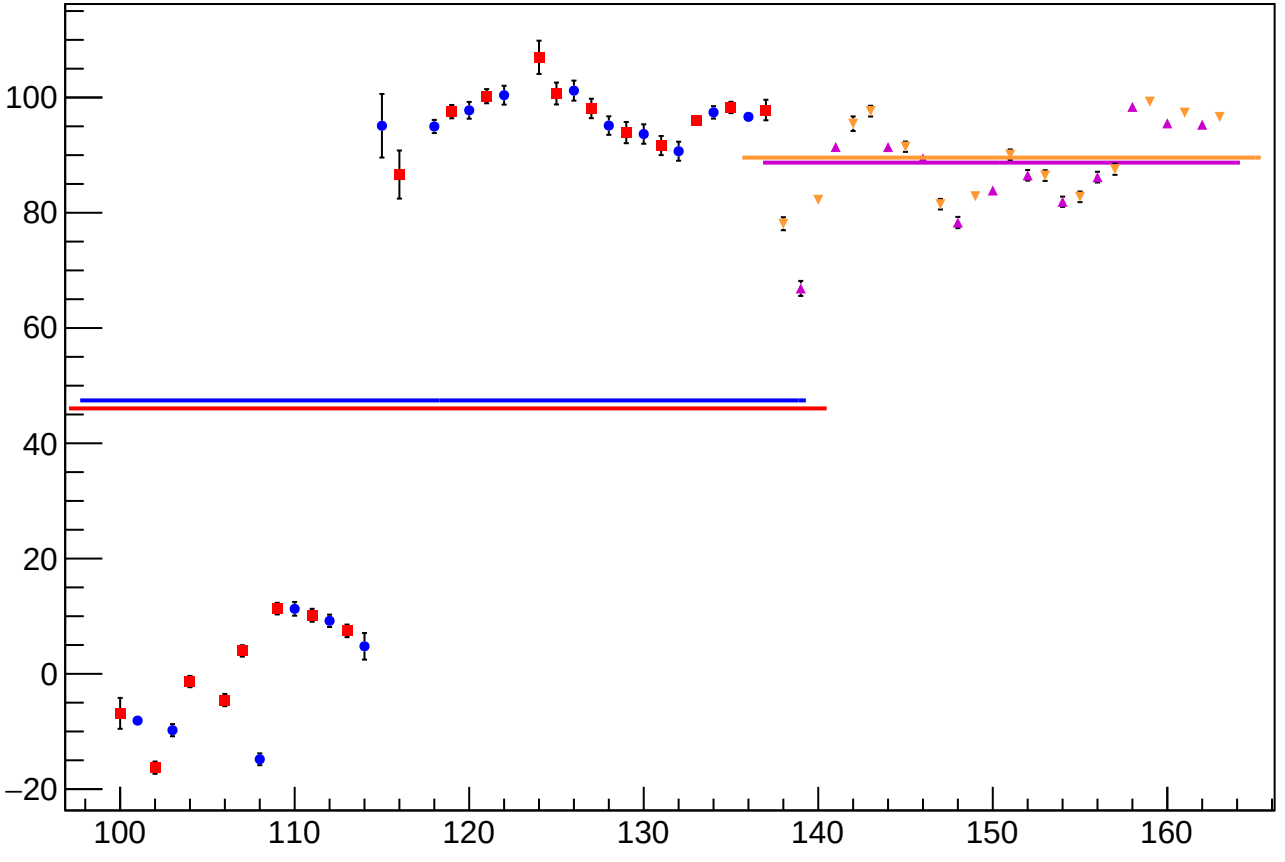
Left In: 8.978+/-0.293 χ^2/NDF:760.2/11

+ sign 7.045+/-0.194 χ^2/NDF: 1019.6/29

All: 6.016+/-0.135 χ^2/NDF: 2514.8/60

- sign 5.043+/-0.189 χ^2/NDF: 1440.5/30

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.572+/-0.239 χ^2/NDF:837.1/13

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

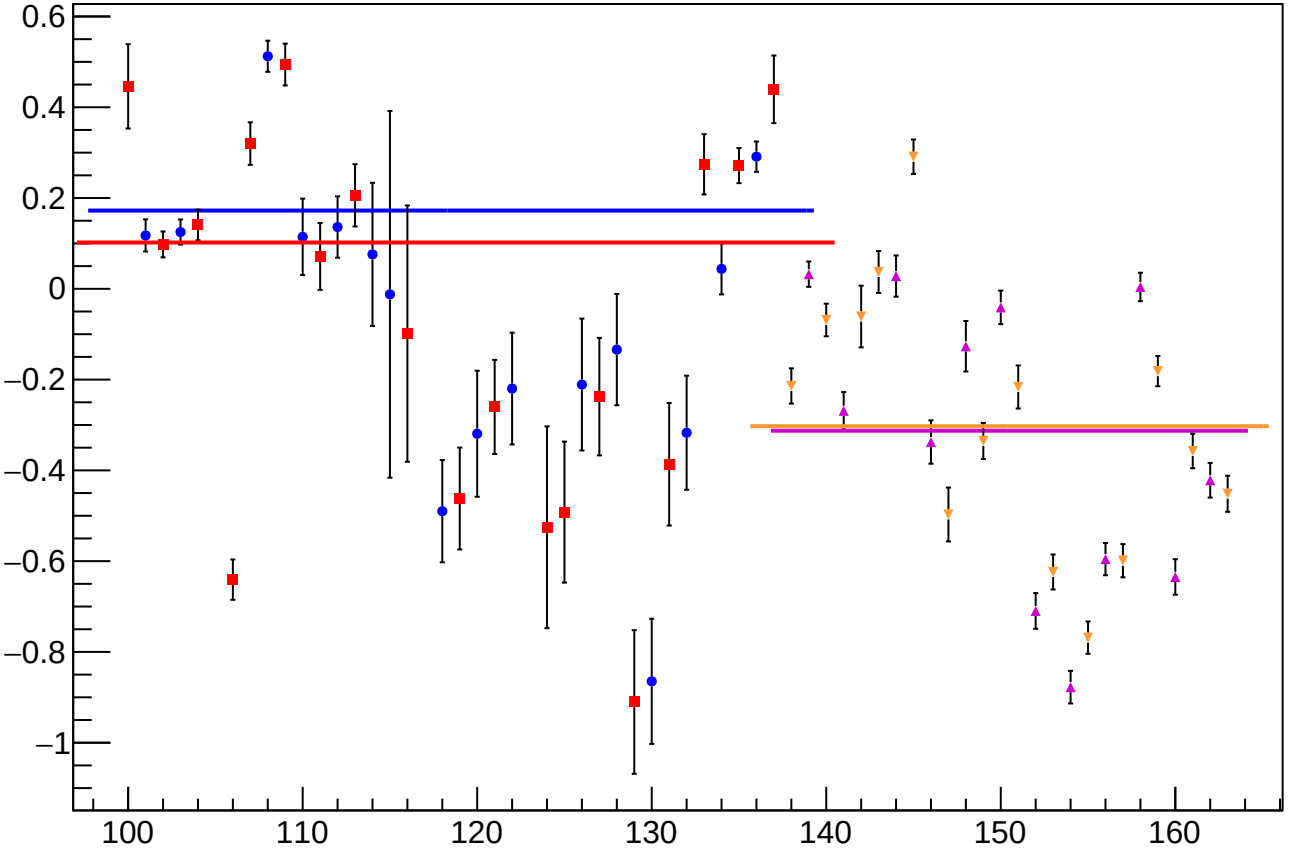
Left In: 88.700+/-0.252 χ^2/NDF:836.2/11

+ sign 73.717+/-0.189 χ^2/NDF: 39387.9/29

All: 71.817+/-0.134 χ^2/NDF: 81906.4/60

- sign 69.923+/-0.189 χ^2/NDF: 42316.6/30

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.303+/-0.011 χ^2/NDF:710.2/13

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

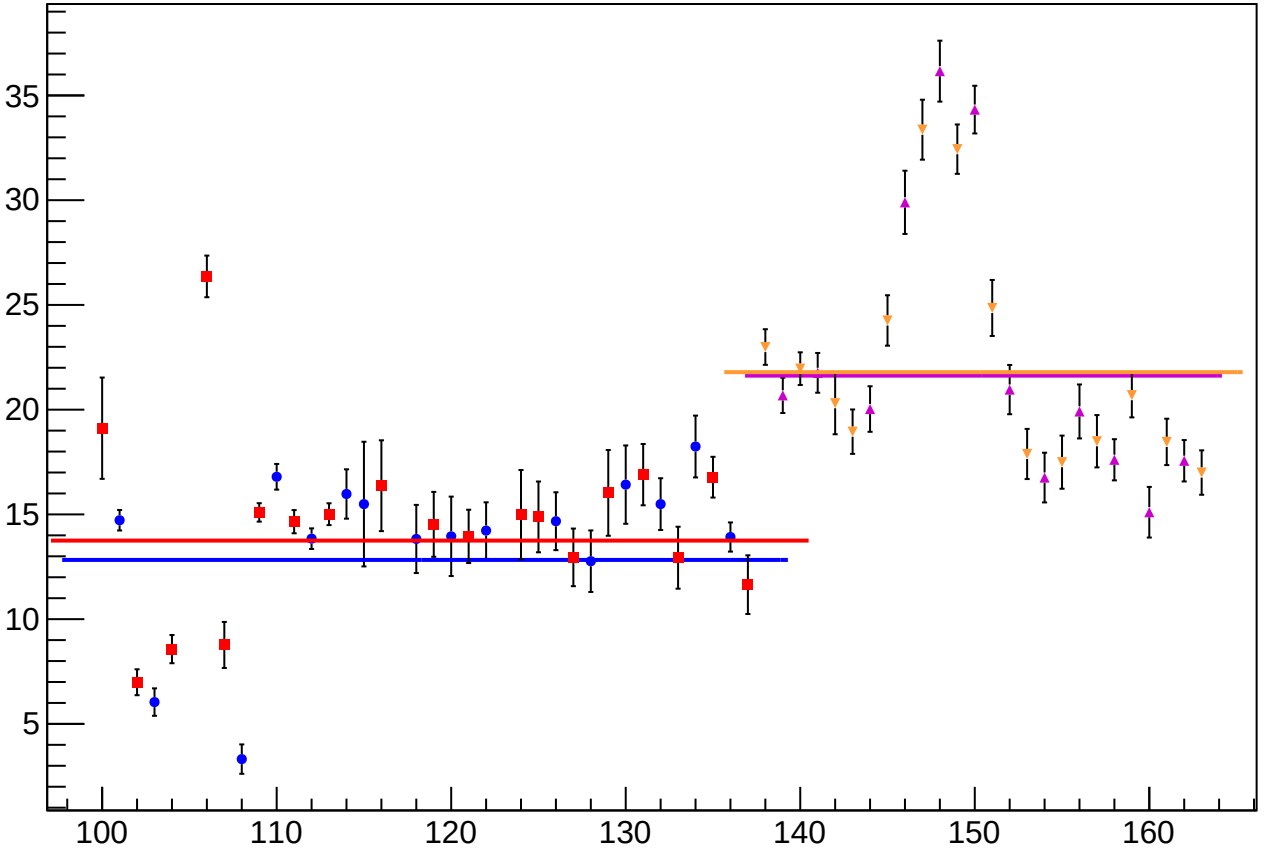
Left In: -0.313+/-0.011 χ^2/NDF:865.7/11

+ sign -0.128+/-0.009 χ^2/NDF: 1688.8/29

All: -0.138+/-0.006 χ^2/NDF: 3689.5/60

- sign -0.148+/-0.008 χ^2/NDF: 1998.0/30

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.791+/-0.296 χ^2/NDF:226.3/13

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

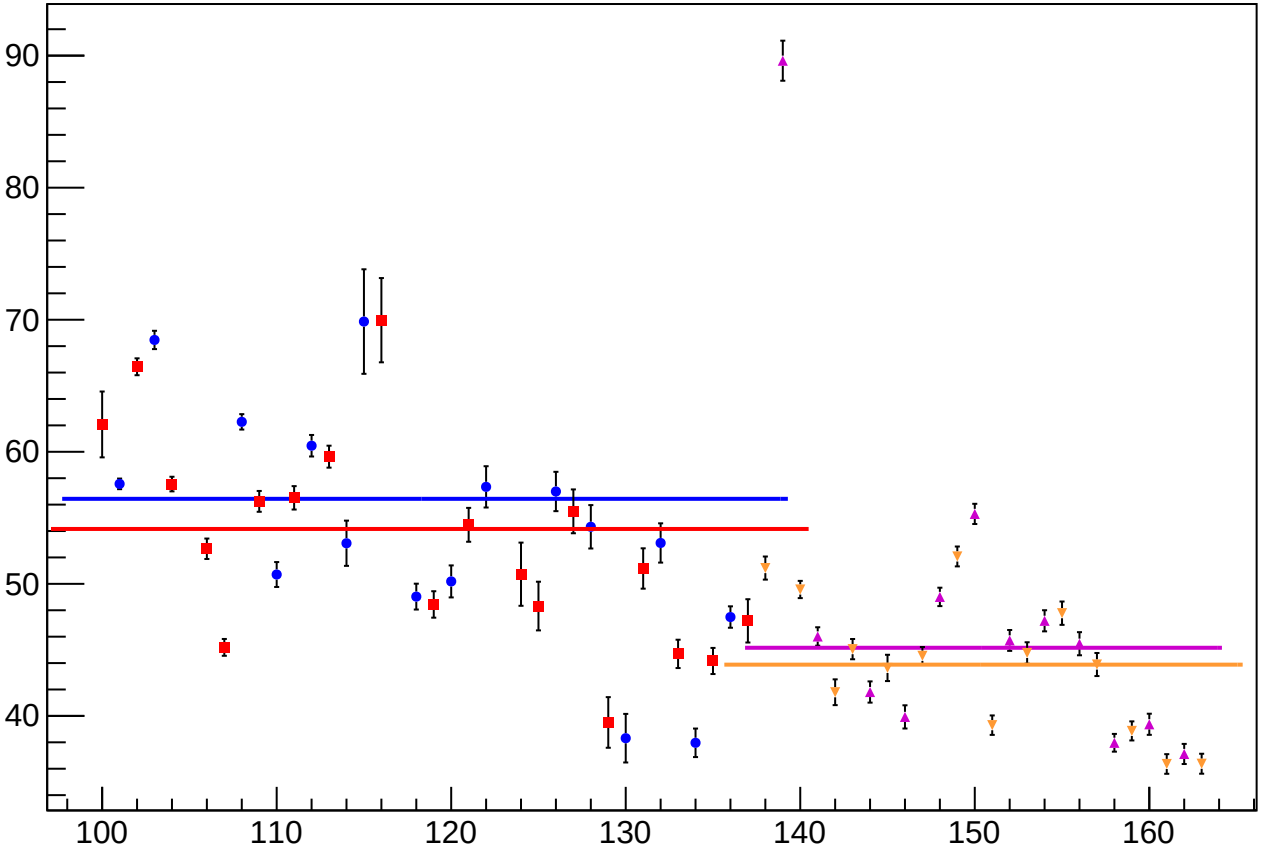
Left In: 21.625+/-0.319 χ^2/NDF:339.3/11

+ sign 15.899+/-0.174 χ^2/NDF: 1215.3/29

All: 15.970+/-0.122 χ^2/NDF: 2391.4/60

- sign 16.038+/-0.172 χ^2/NDF: 1175.8/30

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.881+/-0.209 χ^2/NDF:581.1/13

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

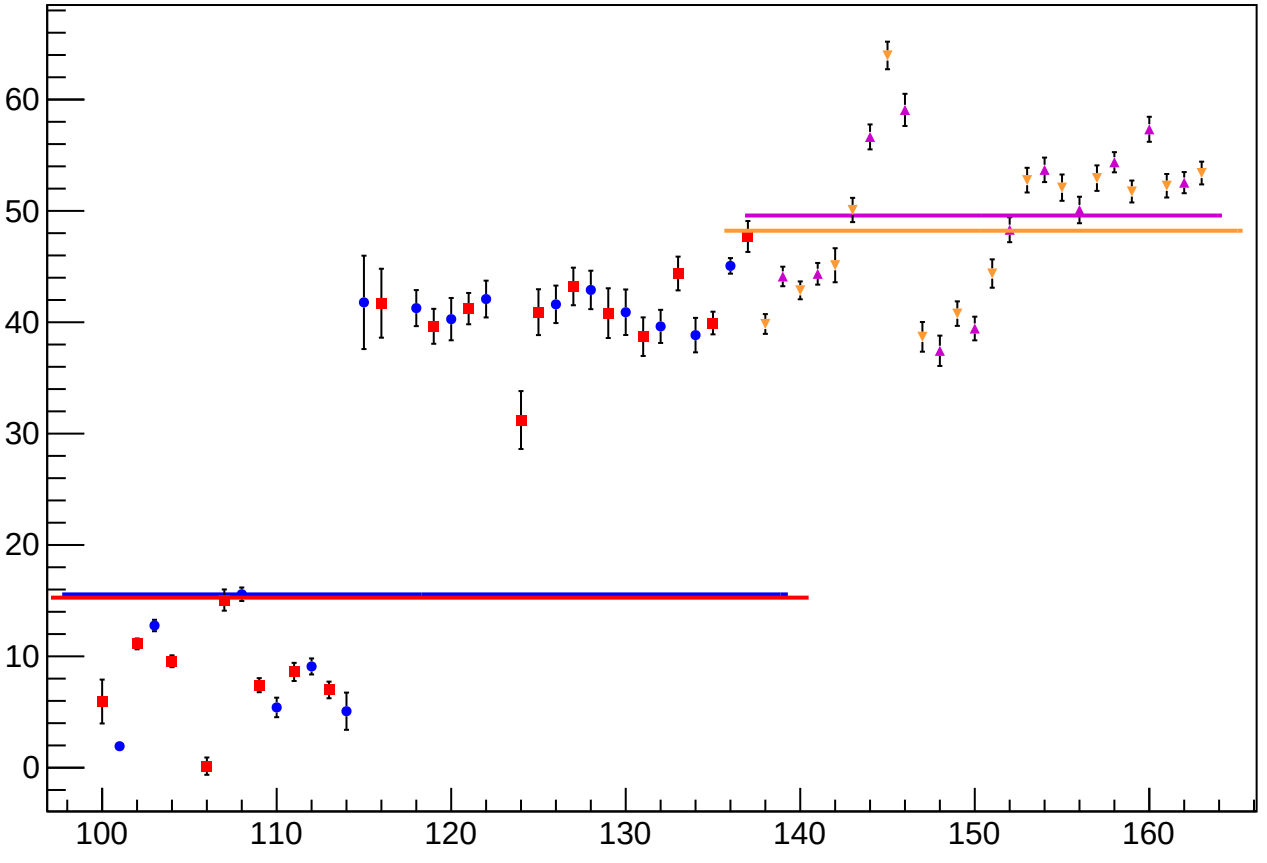
Left In: 45.160+/-0.229 χ^2/NDF:1404.8/11

+ sign 49.790+/-0.152 χ^2/NDF: 3365.6/29

All: 49.769+/-0.110 χ^2/NDF: 6564.1/60

- sign 49.746+/-0.160 χ^2/NDF: 3198.5/30

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.221+/-0.290 χ^2/NDF:505.5/13

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

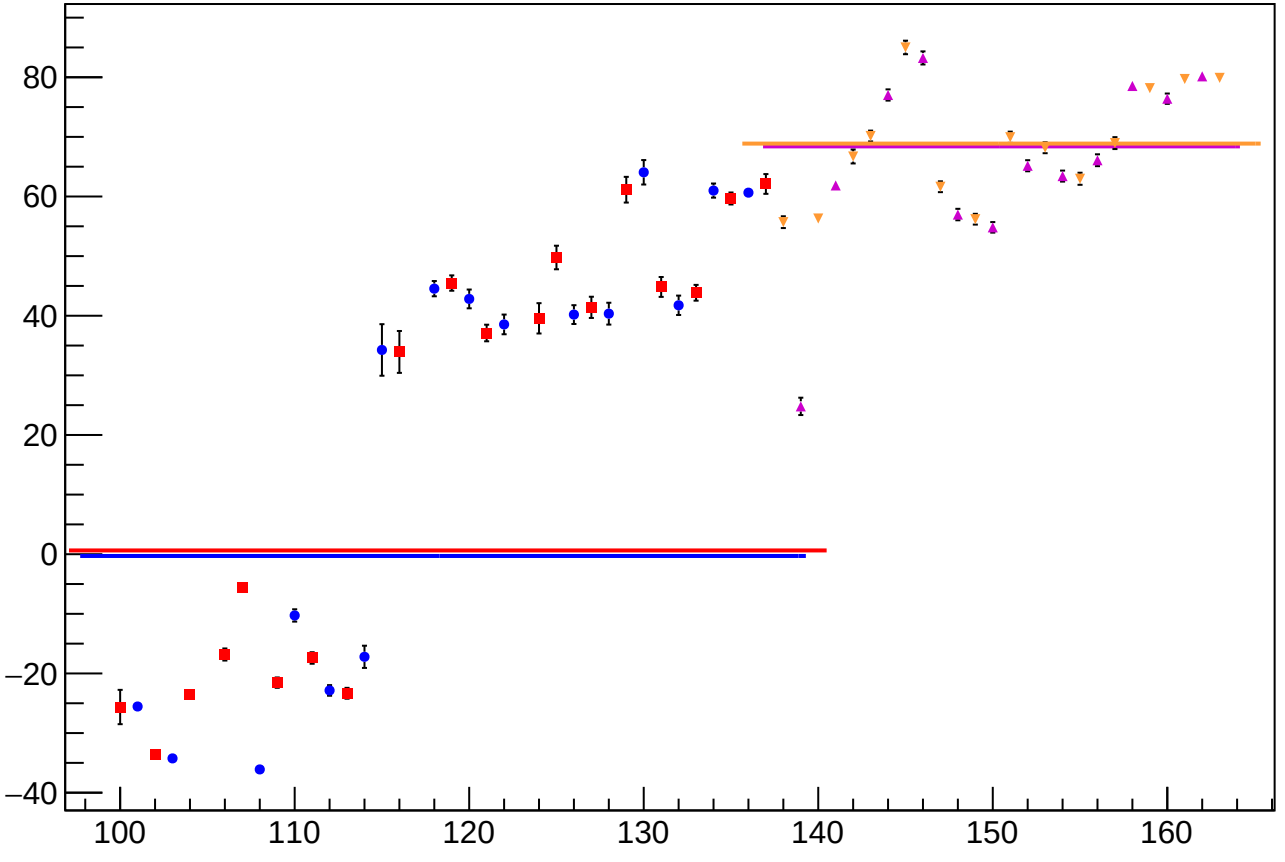
Left In: 49.585+/-0.309 χ^2/NDF:421.7/11

+ sign 27.100+/-0.172 χ^2/NDF: 13911.4/29

All: 26.944+/-0.124 χ^2/NDF: 26428.1/60

- sign 26.776+/-0.179 χ^2/NDF: 12514.9/30

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 68.873+/-0.242 χ^2/NDF:1468.9/13

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

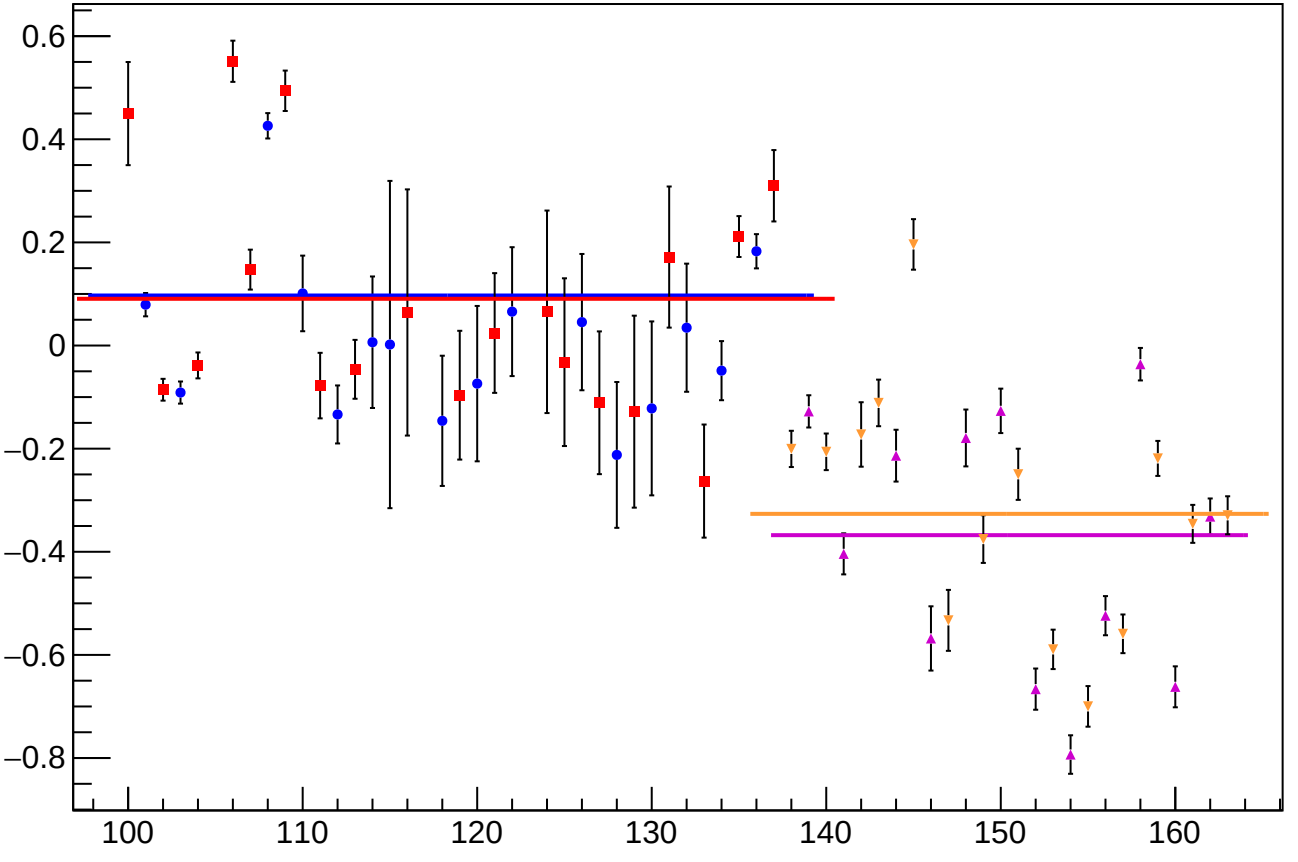
Left In: 68.405+/-0.262 χ^2/NDF:2163.2/11

+ sign 36.908+/-0.178 χ^2/NDF: 60160.7/29

All: 35.847+/-0.128 χ^2/NDF: 111637.5/60

- sign 34.686+/-0.186 χ^2/NDF: 51402.2/30

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.326+/-0.011 χ^2/NDF:368.4/13

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

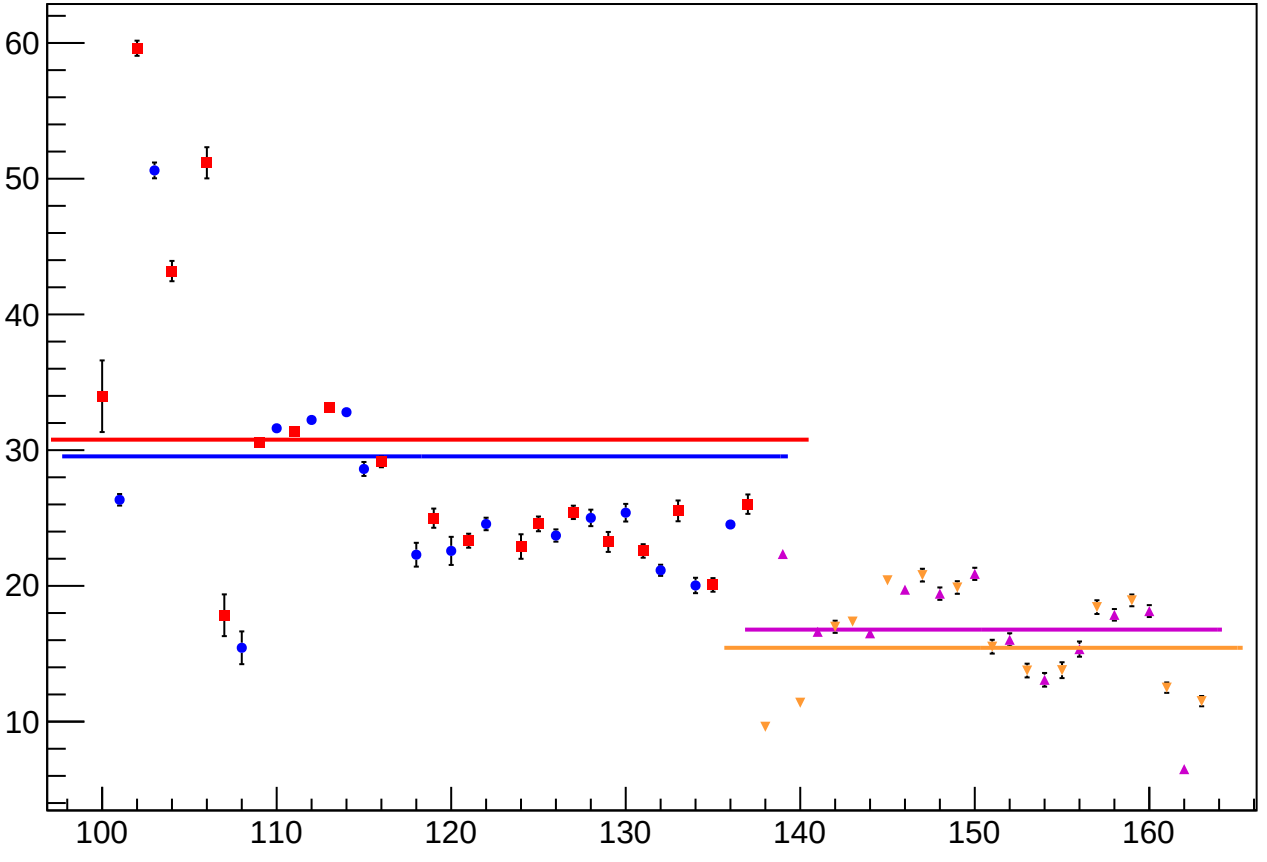
Left In: -0.368+/-0.011 χ^2/NDF:491.5/11

+ sign -0.119+/-0.008 χ^2/NDF: 1395.7/29

All: -0.128+/-0.006 χ^2/NDF: 3096.5/60

- sign -0.138+/-0.008 χ^2/NDF: 1698.1/30

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.437+/-0.105 χ^2/NDF:1406.5/13

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

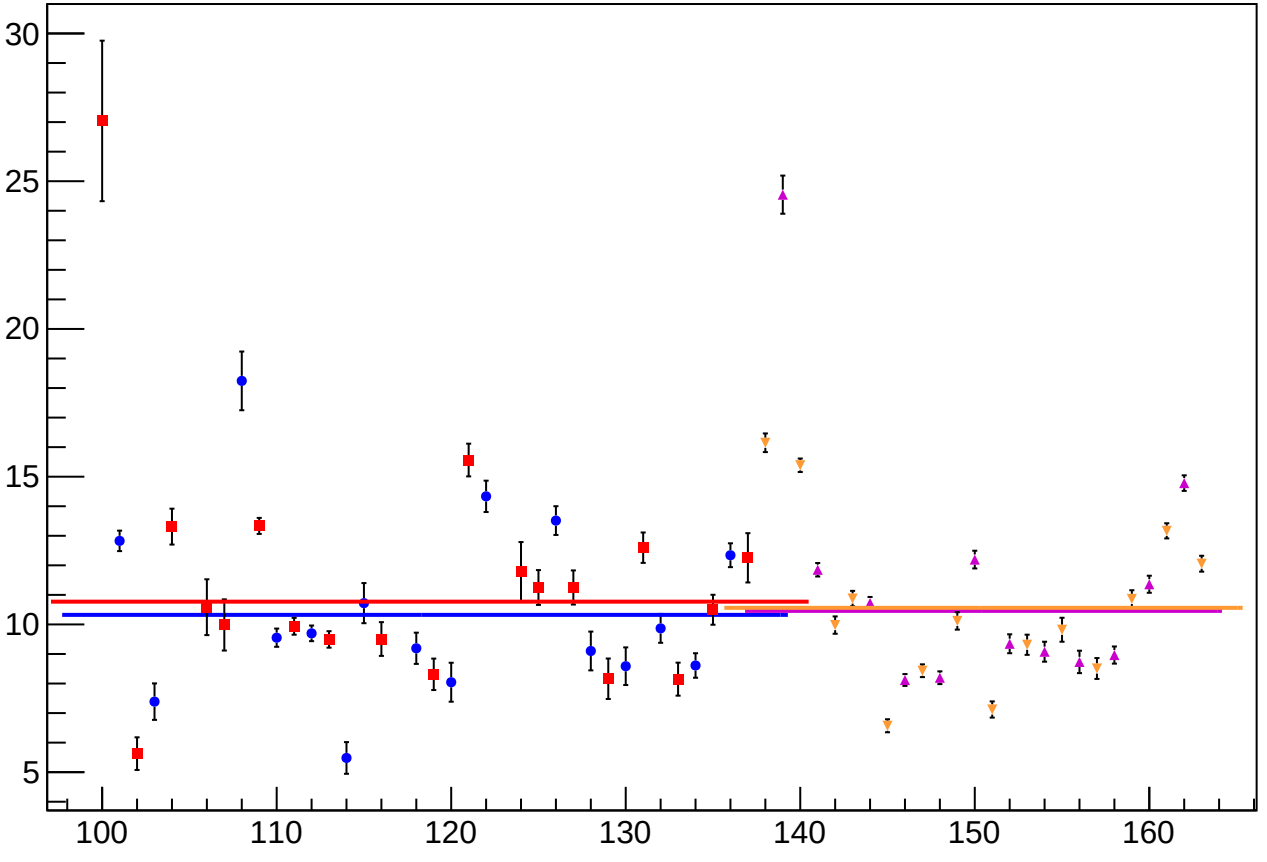
Left In: 16.778+/-0.112 χ^2/NDF:1403.9/11

+ sign 23.400+/-0.069 χ^2/NDF: 15023.2/29

All: 24.792+/-0.047 χ^2/NDF: 32605.7/60

- sign 26.031+/-0.065 χ^2/NDF: 16815.1/30

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.562+/-0.073 χ^2/NDF:1534.7/13

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

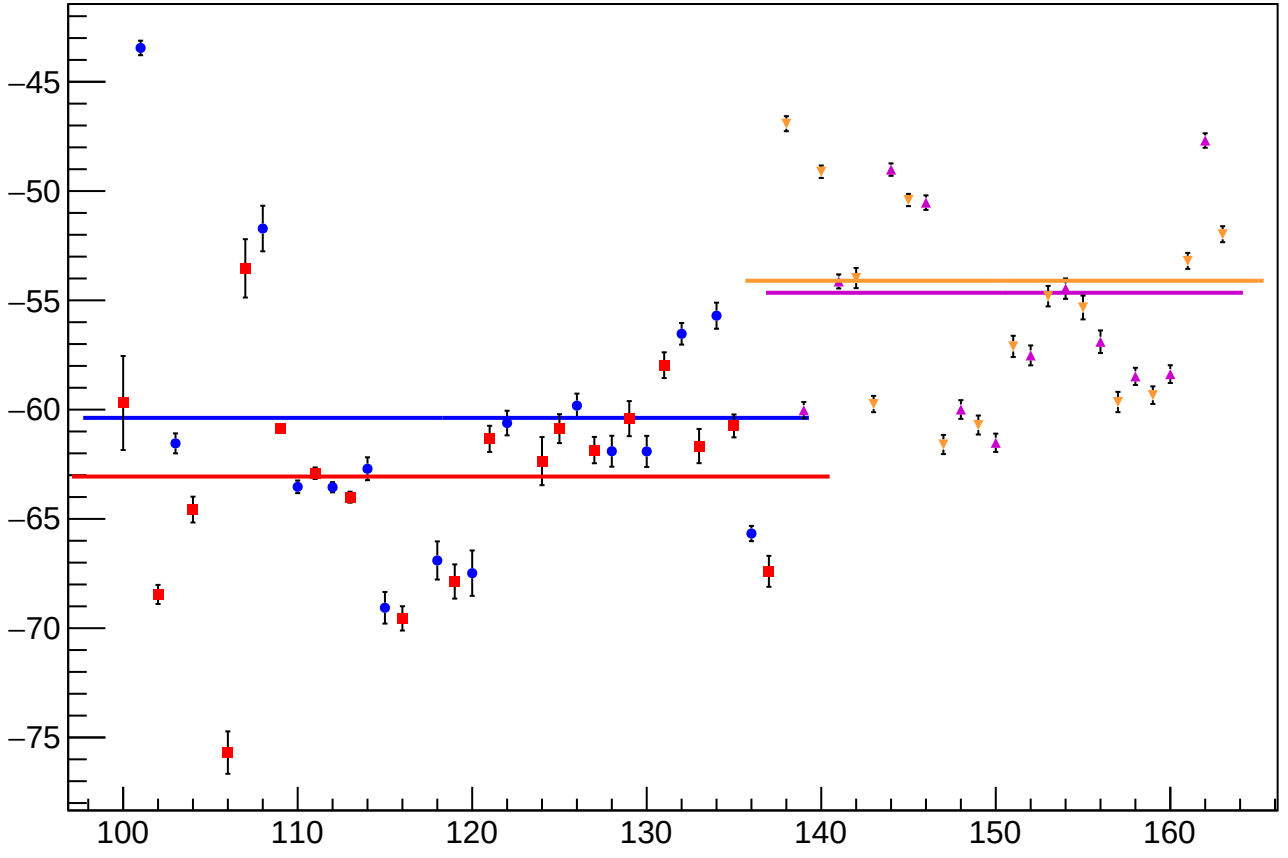
Left In: 10.458+/-0.077 χ^2/NDF:1150.3/11

+ sign 10.492+/-0.062 χ^2/NDF: 1940.4/29

All: 10.524+/-0.044 χ^2/NDF: 3512.3/60

- sign 10.558+/-0.064 χ^2/NDF: 1571.3/30

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -54.103+/-0.103 χ^2/NDF:2065.9/13

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

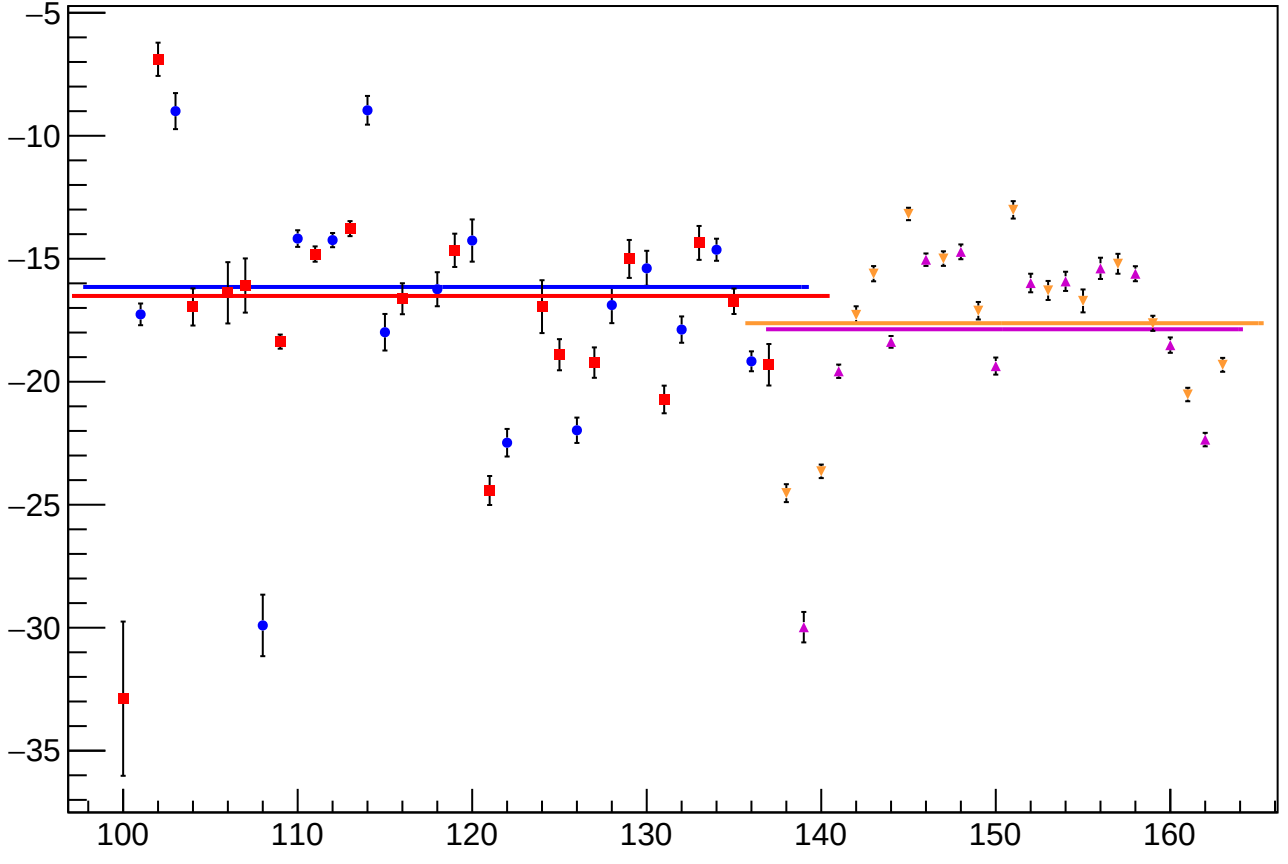
Left In: -54.653+/-0.109 χ^2/NDF:1858.7/11

+ sign -56.957+/-0.076 χ^2/NDF: 7343.9/29

All: -57.939+/-0.054 χ^2/NDF: 13401.4/60

- sign -58.927+/-0.076 χ^2/NDF: 5724.6/30

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.620+/-0.086 χ^2/NDF:1640.3/13

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

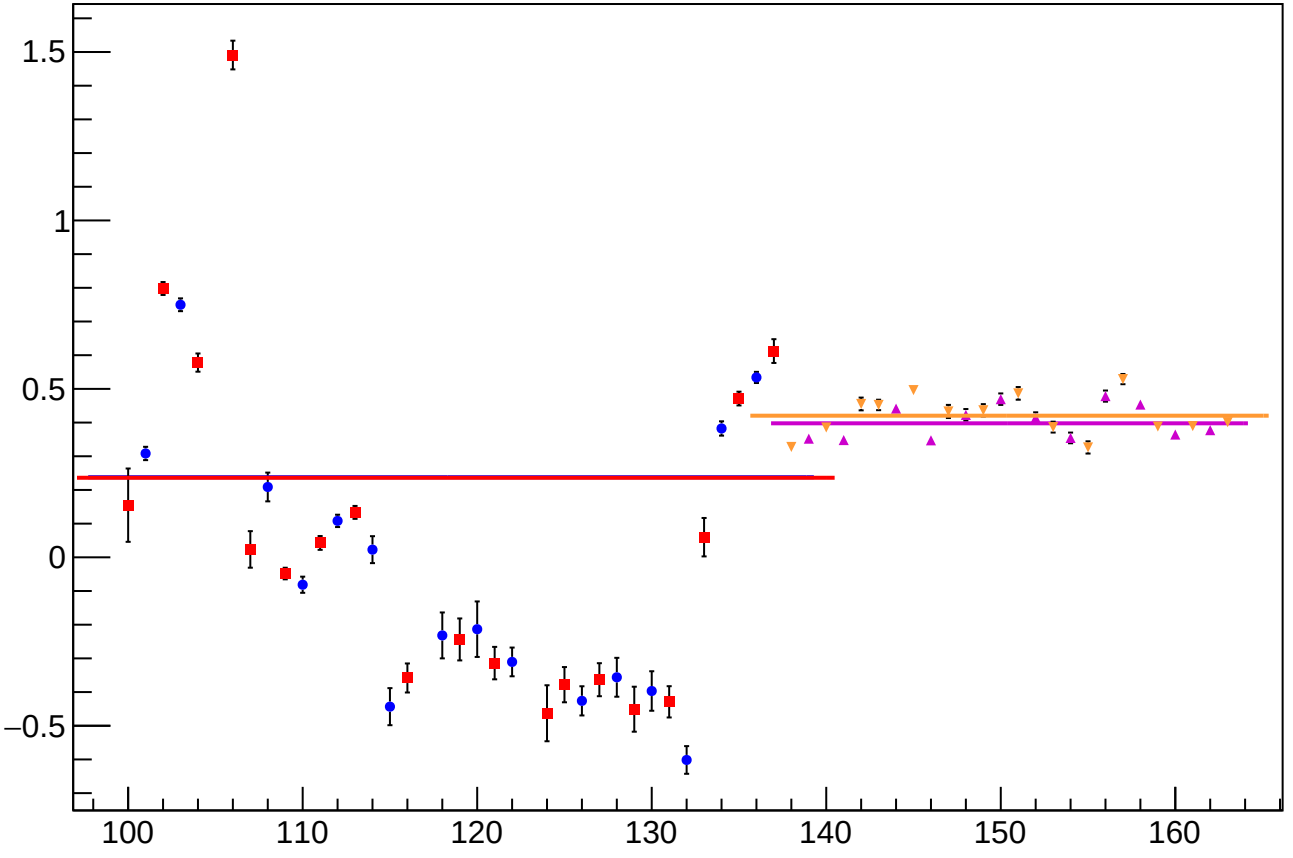
Left In: -17.867+/-0.091 χ^2/NDF:1089.0/11

+ sign -17.160+/-0.071 χ^2/NDF: 2529.7/29

All: -17.275+/-0.051 χ^2/NDF: 4386.1/60

- sign -17.398+/-0.073 χ^2/NDF: 1851.0/30

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.420+/-0.004 χ^2/NDF:215.8/13

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

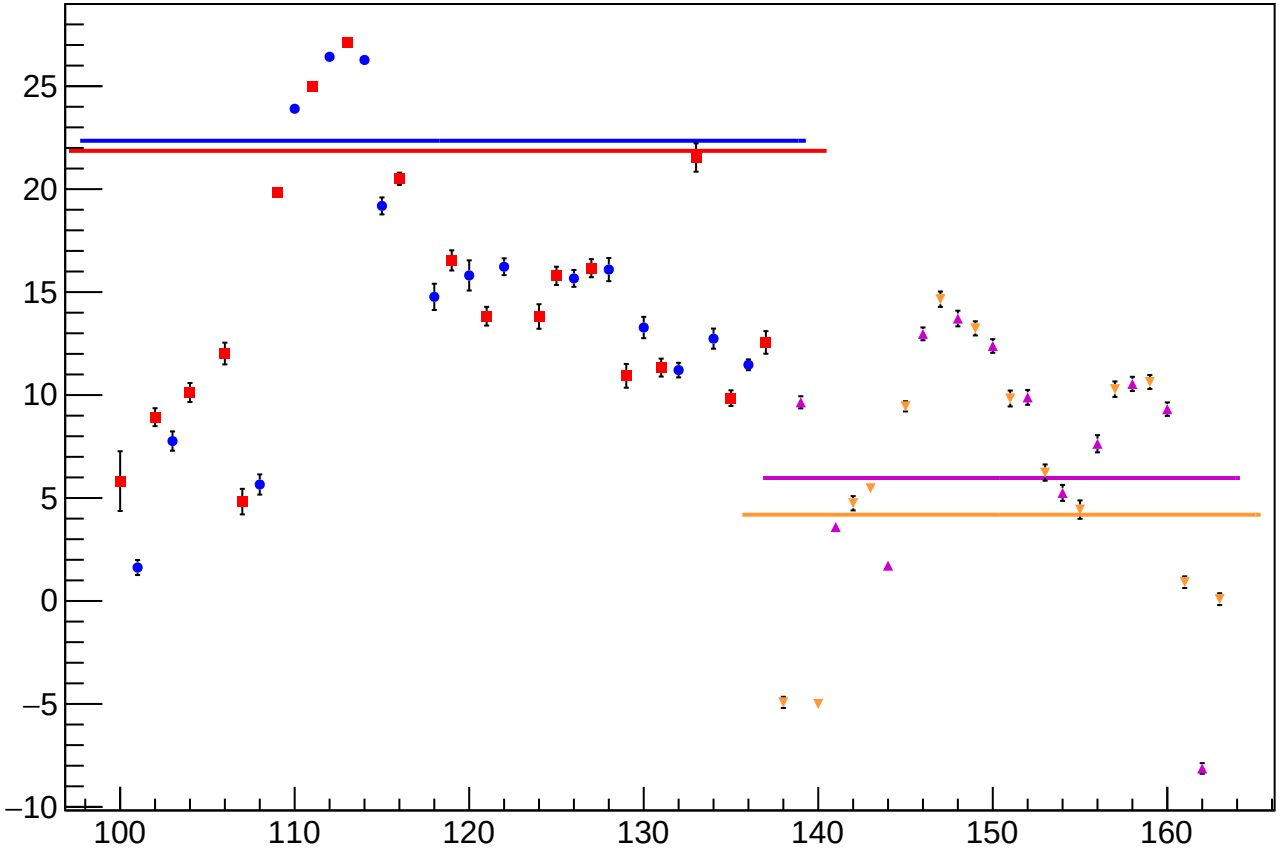
Left In: 0.398+/-0.004 χ^2/NDF:127.0/11

+ sign 0.376+/-0.003 χ^2/NDF: 3356.2/29

All: 0.367+/-0.002 χ^2/NDF: 7480.4/60

- sign 0.356+/-0.004 χ^2/NDF: 4108.0/30

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.189+/-0.081 χ^2/NDF:6132.2/13

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

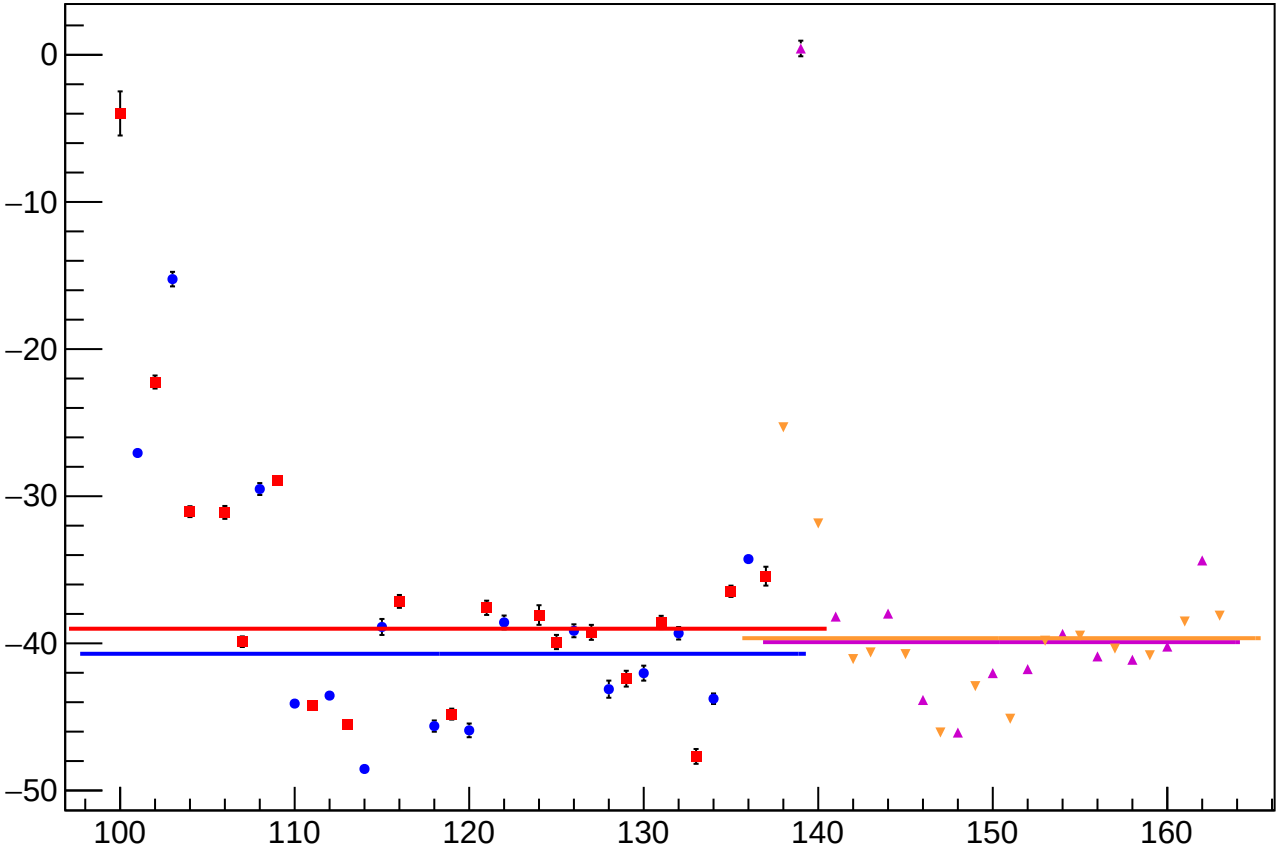
Left In: 5.972+/-0.089 χ^2/NDF:5267.6/11

+ sign 16.394+/-0.046 χ^2/NDF: 52288.3/29

All: 17.563+/-0.031 χ^2/NDF: 94436.5/60

- sign 18.481+/-0.041 χ^2/NDF: 41013.2/30

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.649+/-0.057 χ^2/NDF:7439.7/13

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

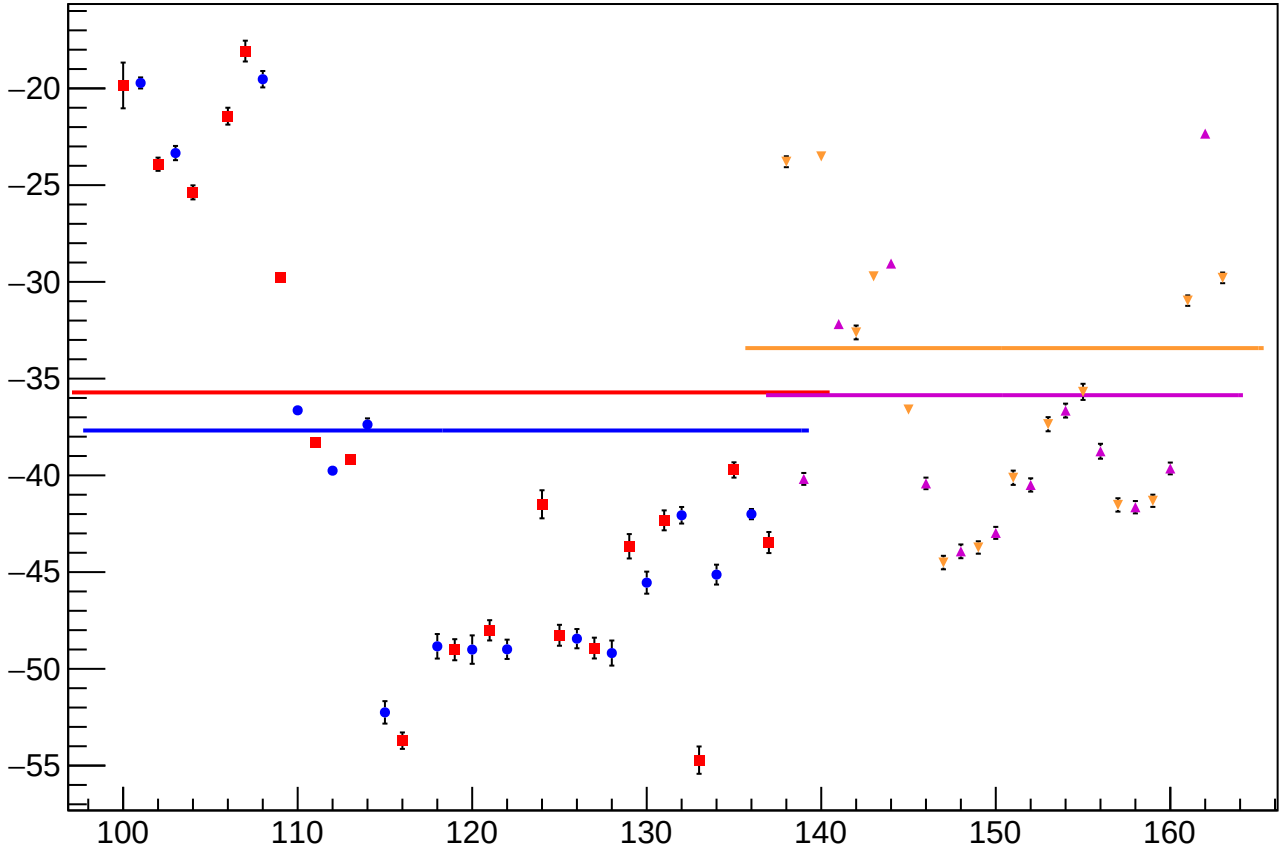
Left In: -39.917+/-0.062 χ^2/NDF:8579.0/11

+ sign -40.024+/-0.046 χ^2/NDF: 15344.1/29

All: -39.780+/-0.033 χ^2/NDF: 34177.1/60

- sign -39.522+/-0.047 χ^2/NDF: 18773.7/30

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.423+/-0.080 χ^2/NDF:7528.9/13

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

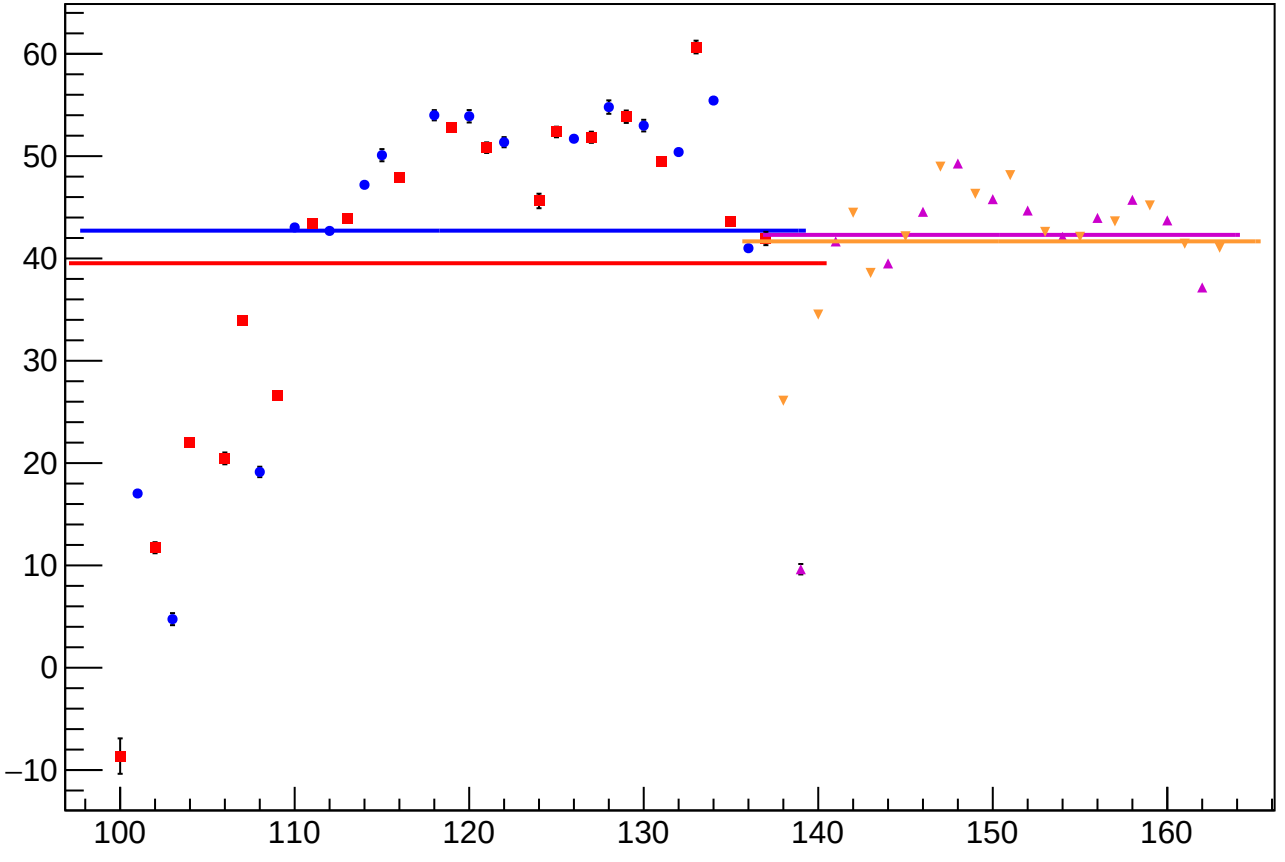
Left In: -35.856+/-0.087 χ^2/NDF:6171.6/11

+ sign -35.716+/-0.054 χ^2/NDF: 19921.0/29

All: -35.741+/-0.037 χ^2/NDF: 39369.3/60

- sign -35.764+/-0.052 χ^2/NDF: 19447.9/30

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.672+/-0.066 χ^2/NDF:6263.0/13

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

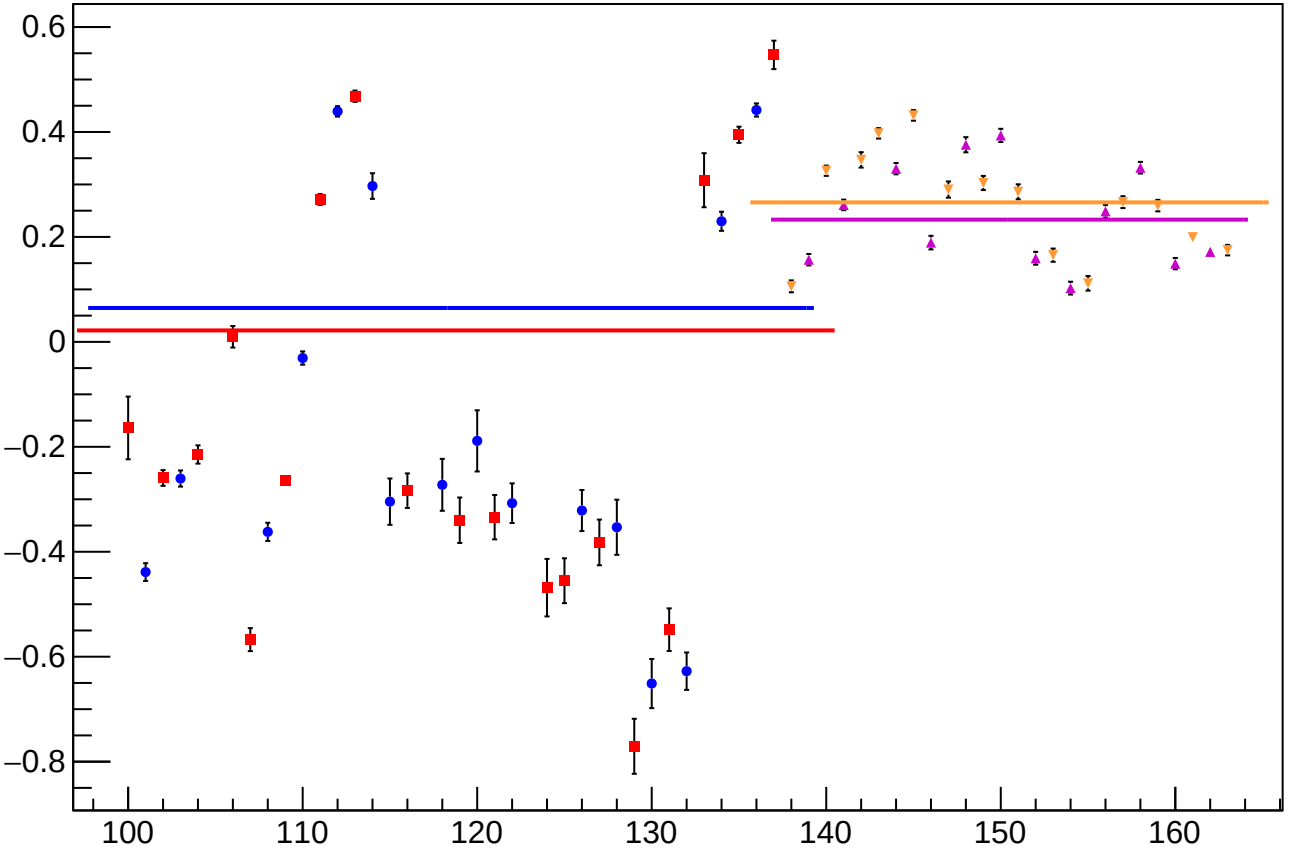
Left In: 42.305+/-0.072 χ^2/NDF:6321.2/11

+ sign 42.066+/-0.052 χ^2/NDF: 21122.3/29

All: 41.556+/-0.037 χ^2/NDF: 46294.5/60

- sign 41.030+/-0.053 χ^2/NDF: 24978.3/30

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.266+/-0.003 χ^2/NDF:1042.2/13

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

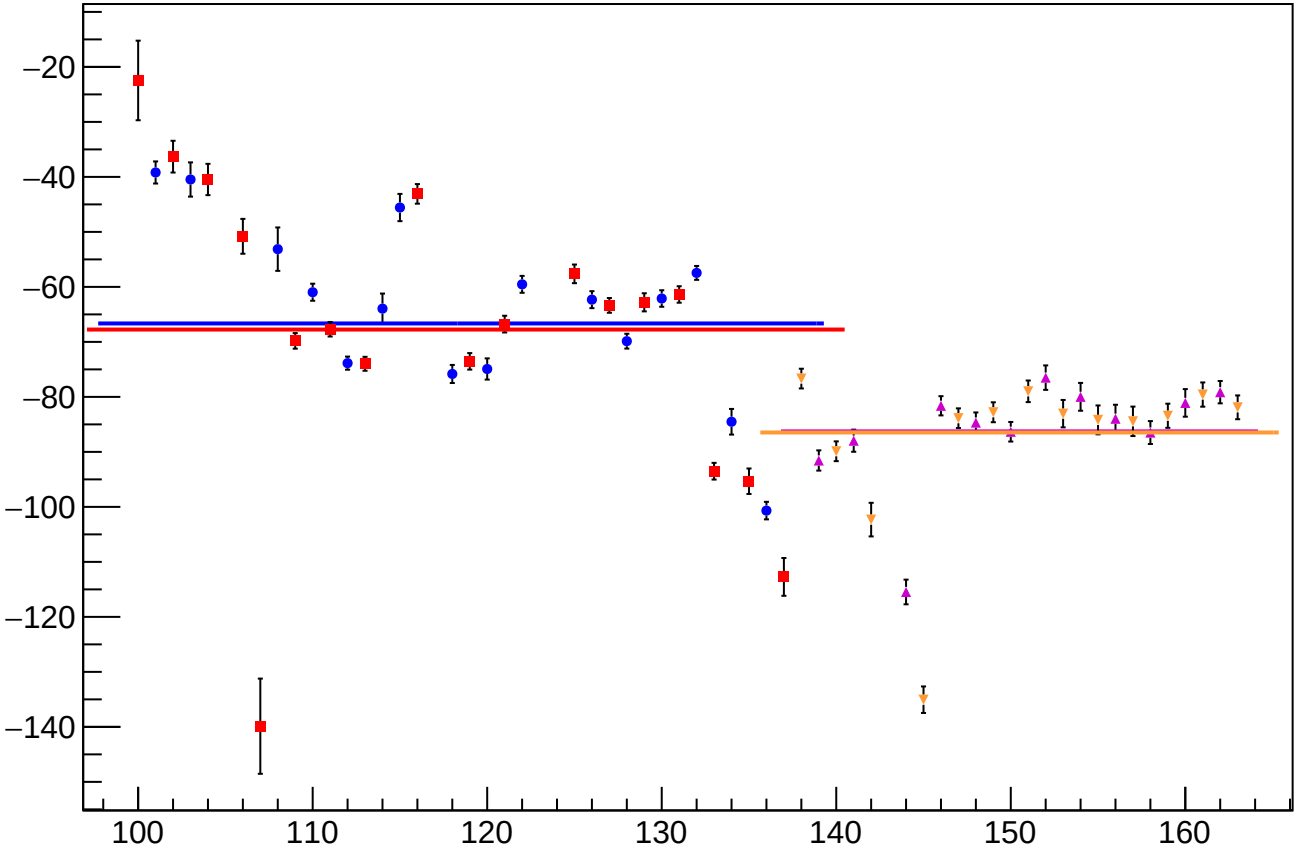
Left In: 0.233+/-0.003 χ^2/NDF:746.4/11

+ sign 0.208+/-0.003 χ^2/NDF: 7771.8/29

All: 0.183+/-0.002 χ^2/NDF: 16597.6/60

- sign 0.157+/-0.003 χ^2/NDF: 8634.1/30

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.470+/-0.592 χ^2/NDF:506.6/12

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

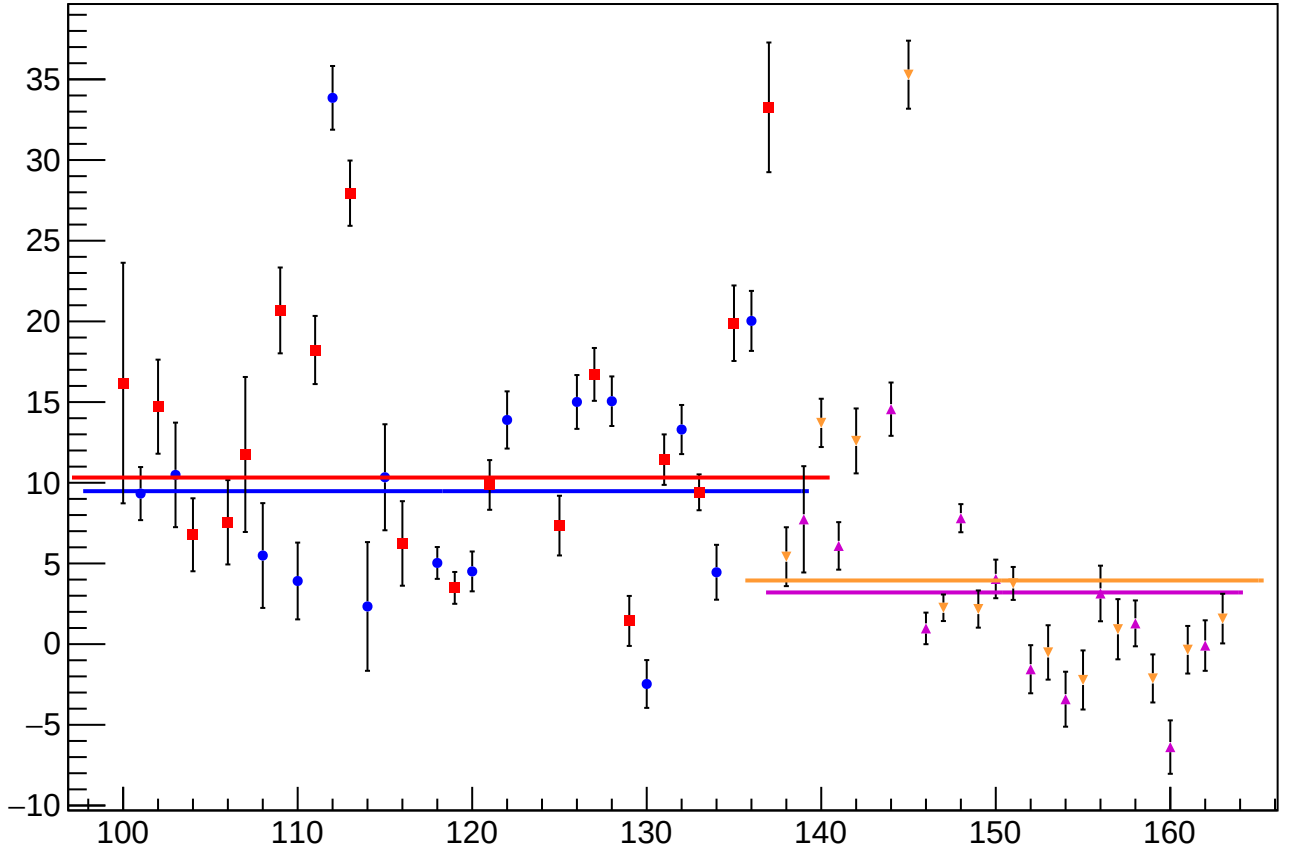
Left In: -86.271+/-0.595 χ^2/NDF:229.2/11

+ sign -73.406+/-0.346 χ^2/NDF: 2296.8/28

All: -73.654+/-0.244 χ^2/NDF: 4428.8/58

- sign -73.898+/-0.343 χ^2/NDF: 2131.0/29

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.945+/-0.387 χ^2/NDF:337.8/12

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

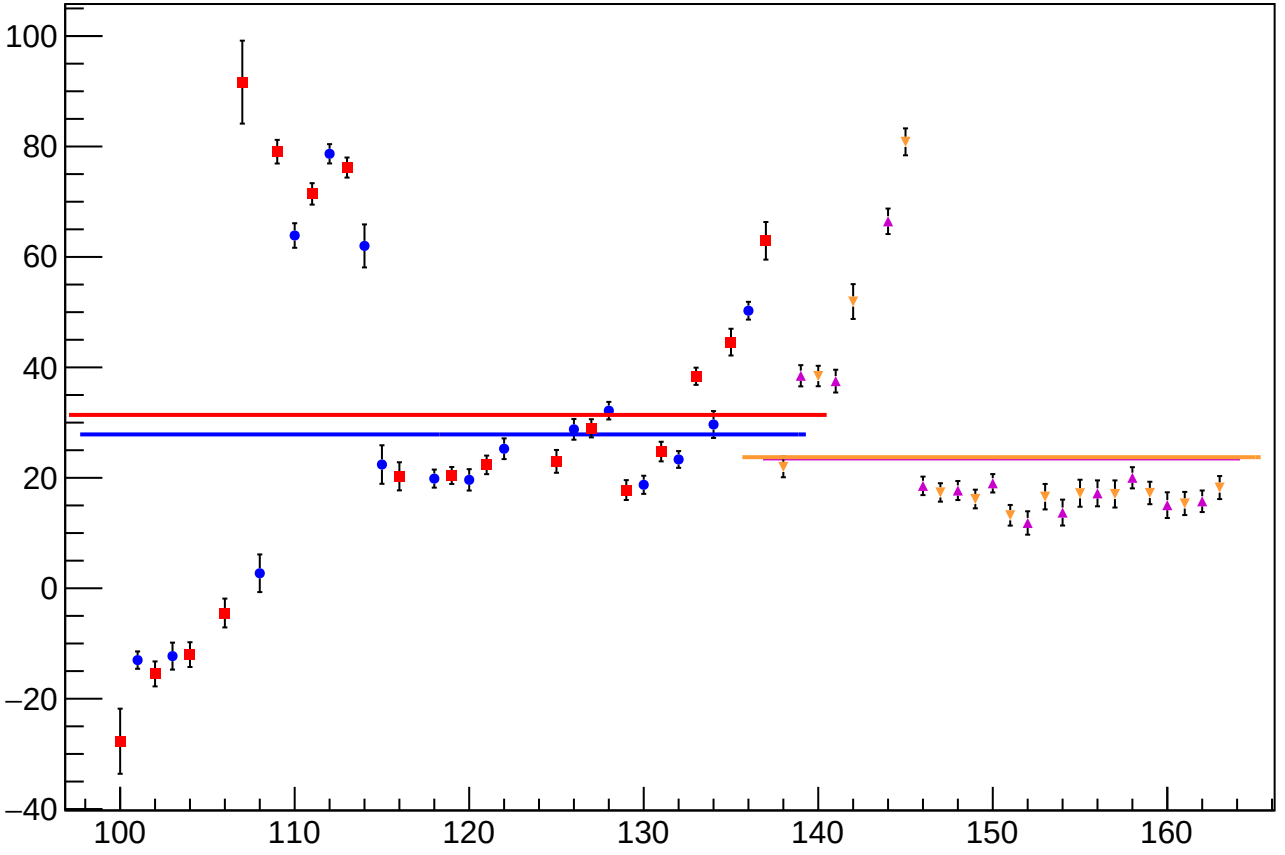
Left In: 3.203+/-0.396 χ^2/NDF:151.6/11

+ sign 6.433+/-0.287 χ^2/NDF: 771.8/28

All: 6.429+/-0.205 χ^2/NDF: 1333.1/58

- sign 6.424+/-0.293 χ^2/NDF: 561.4/29

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.737+/-0.571 χ^2/NDF:815.3/12

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

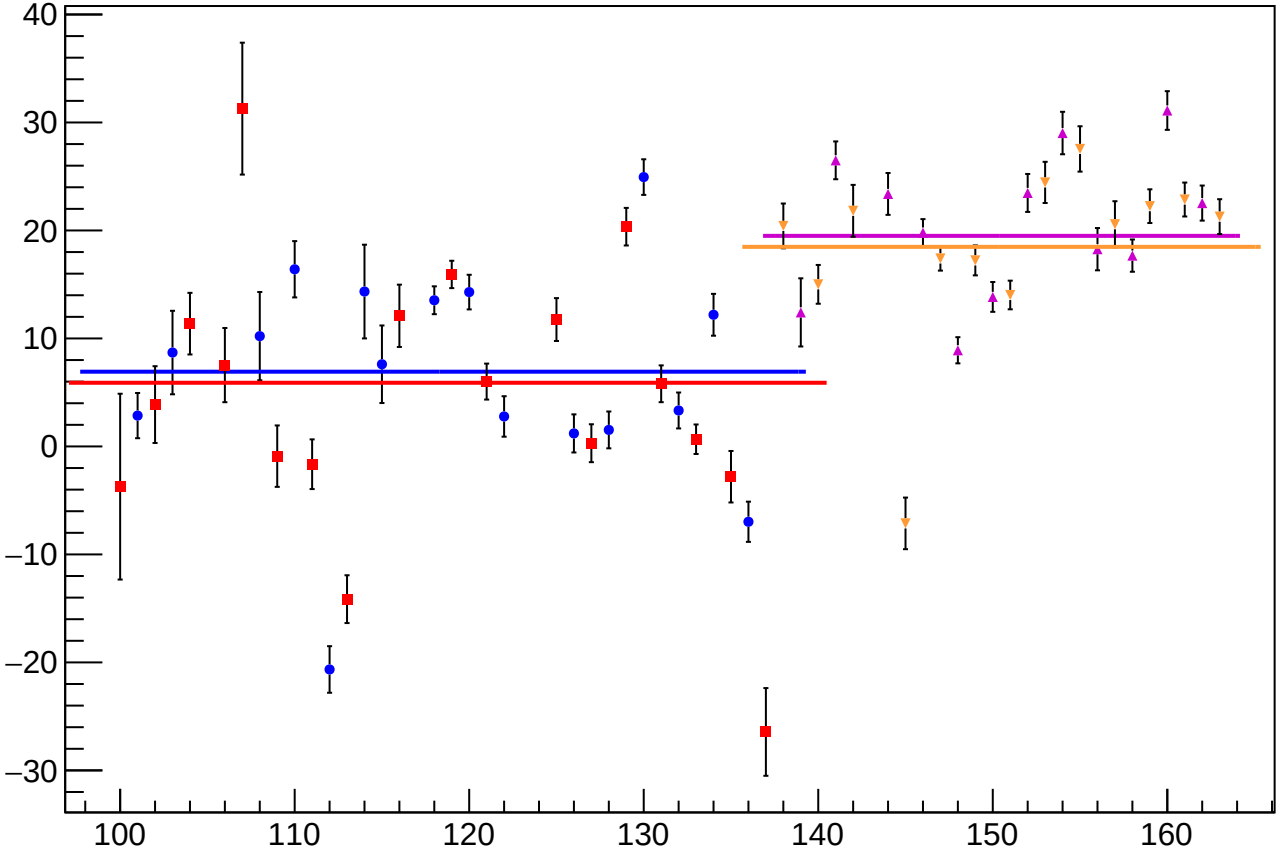
Left In: 23.511+/-0.573 χ^2/NDF:567.6/11

+ sign 26.144+/-0.369 χ^2/NDF: 3319.6/28

All: 27.106+/-0.262 χ^2/NDF: 7022.2/58

- sign 28.081+/-0.371 χ^2/NDF: 3688.9/29

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.481+/-0.462 χ^2/NDF:180.4/12

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

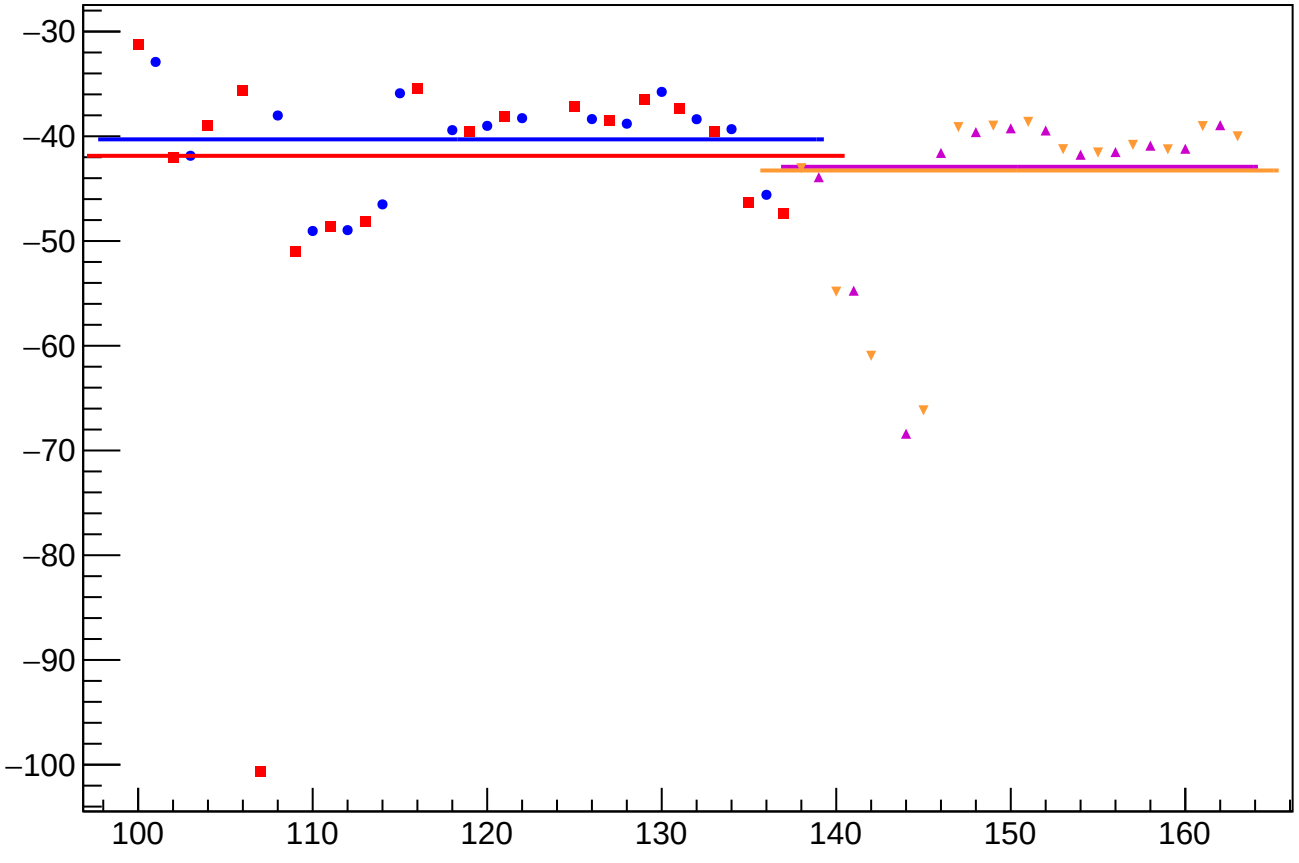
Left In: 19.500+/-0.470 χ^2/NDF:194.2/11

+ sign 13.107+/-0.338 χ^2/NDF: 915.8/28

All: 13.123+/-0.241 χ^2/NDF: 1869.1/58

- sign 13.139+/-0.343 χ^2/NDF: 953.2/29

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -43.266+/-0.022 χ^2/NDF:113834.4/12

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

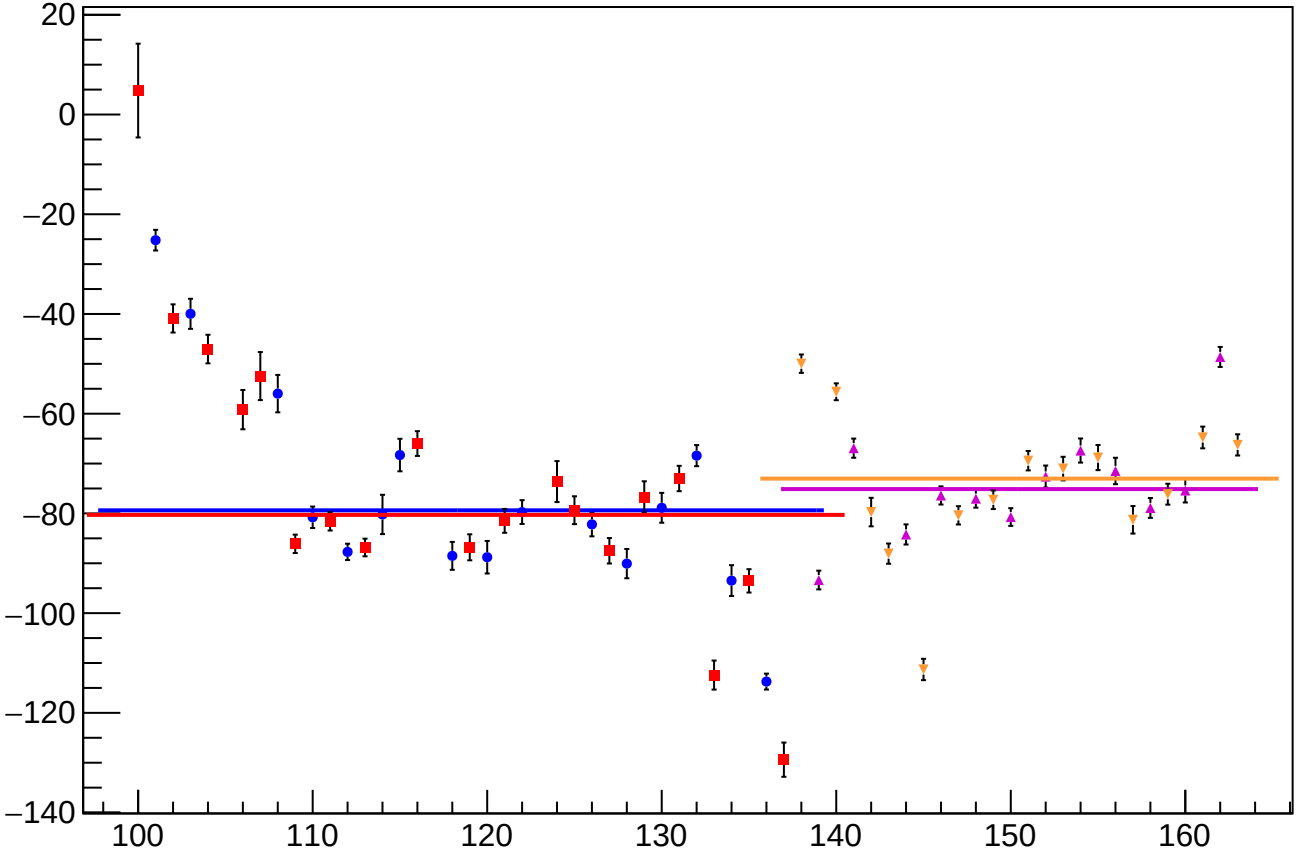
Left In: -42.913+/-0.022 χ^2/NDF:92715.0/11

+ sign -42.294+/-0.018 χ^2/NDF: 140532.5/28

All: -42.441+/-0.013 χ^2/NDF: 292844.3/58

- sign -42.586+/-0.018 χ^2/NDF: 152179.4/29

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.019+/-0.559 χ^2/NDF:706.1/13

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

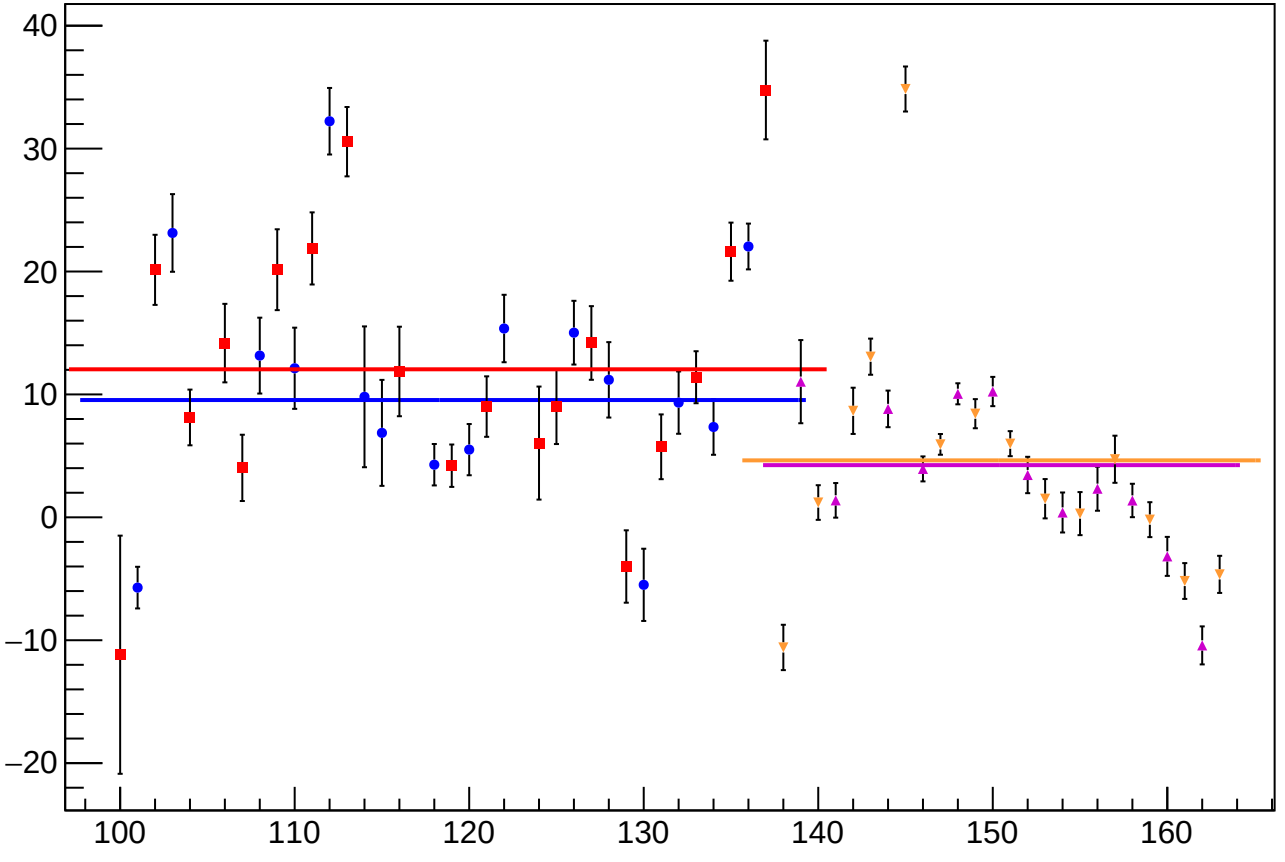
Left In: -75.120+/-0.586 χ^2/NDF:335.3/11

\+ sign -75.917+/-0.412 χ^2/NDF: 2241.0/29

All: -76.756+/-0.294 χ^2/NDF: 3537.2/60

\- sign -77.629+/-0.421 χ^2/NDF: 1287.8/30

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 4.634+/-0.370 χ^2/NDF:502.6/13

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

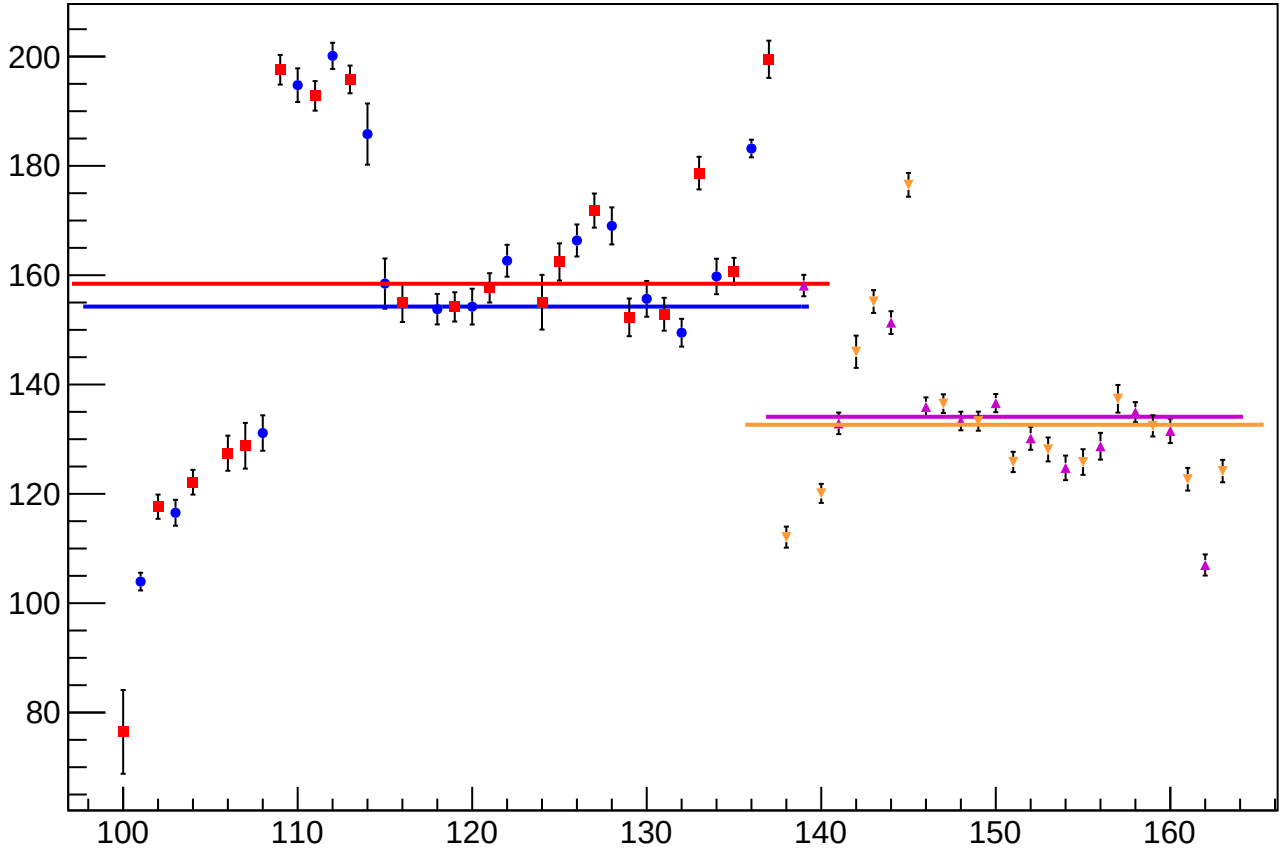
Left In: 4.246+/-0.390 χ^2/NDF:212.2/11

+ sign 5.918+/-0.318 χ^2/NDF: 815.8/29

All: 6.134+/-0.230 χ^2/NDF: 1333.9/60

- sign 6.371+/-0.332 χ^2/NDF: 517.1/30

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 132.644+/-0.542 χ^2/NDF:784.5/13

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

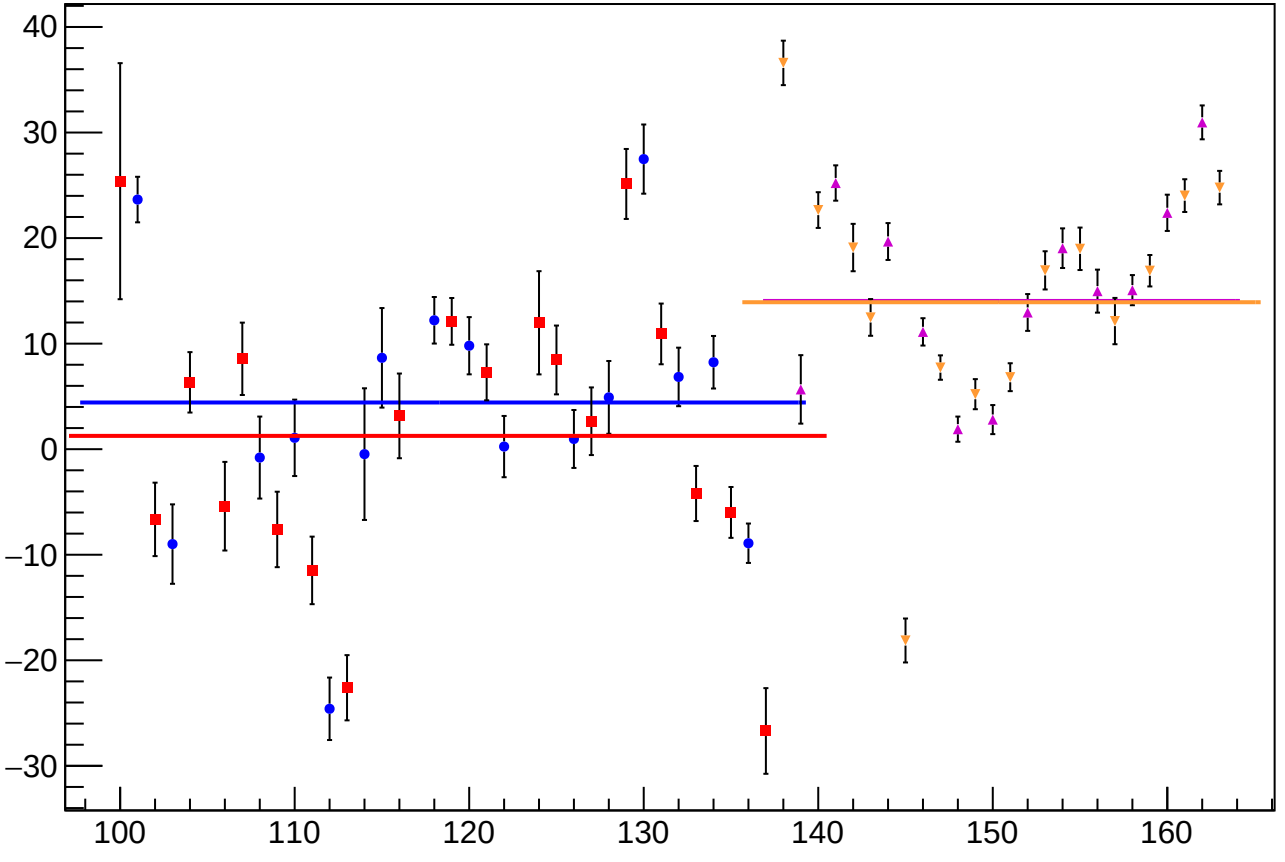
Left In: 134.098+/-0.564 χ^2/NDF:446.9/11

+ sign 141.328+/-0.419 χ^2/NDF: 3636.5/29

All: 142.602+/-0.302 χ^2/NDF: 6522.3/60

- sign 143.971+/-0.435 χ^2/NDF: 2866.7/30

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 13.923+/-0.440 χ^2/NDF:583.3/13

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

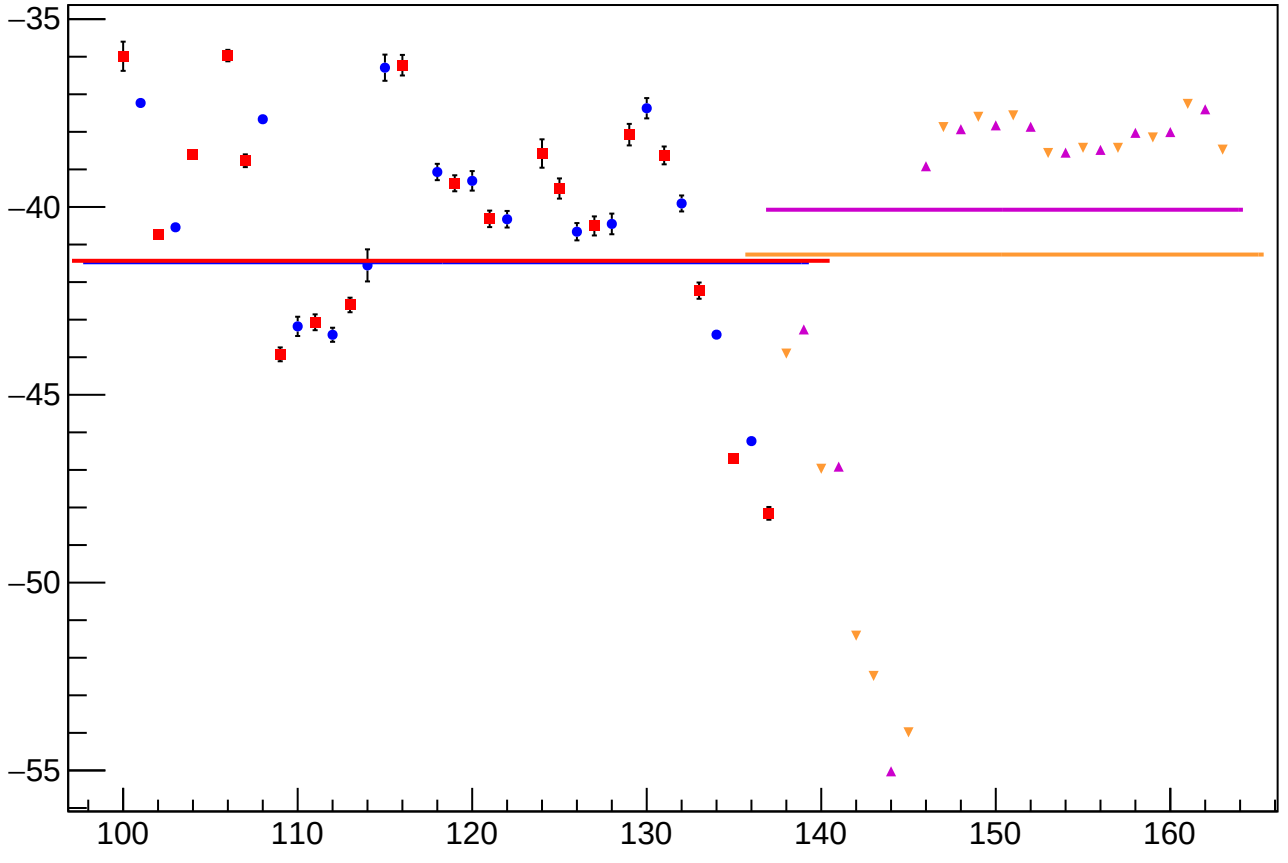
Left In: 14.043+/-0.462 χ^2/NDF:380.1/11

+ sign 11.311+/-0.374 χ^2/NDF: 1027.7/29

All: 10.872+/-0.270 χ^2/NDF: 1893.6/60

- sign 10.394+/-0.391 χ^2/NDF: 863.1/30

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.266+/-0.021 χ^2/NDF:69605.0/13

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

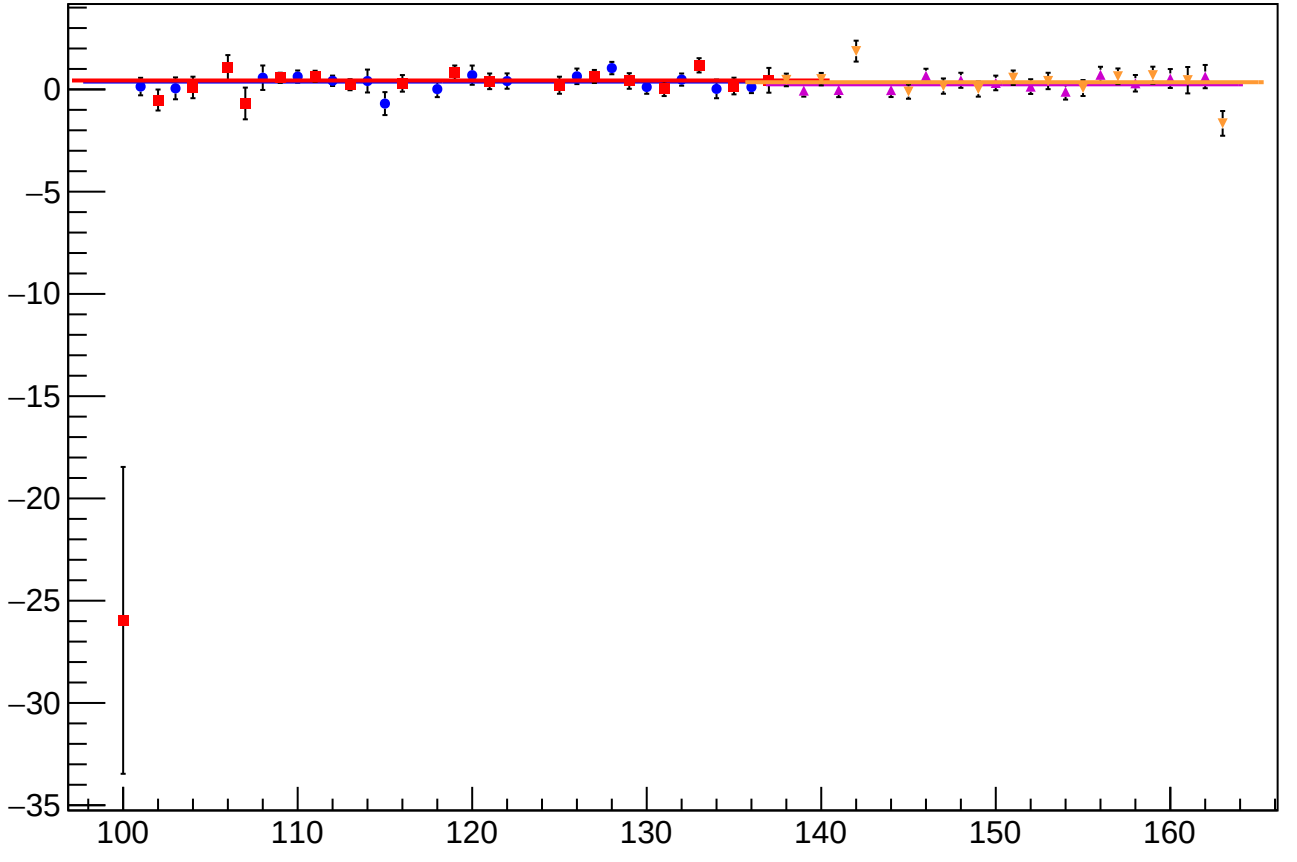
Left In: -40.073+/-0.021 χ^2/NDF:42105.6/11

+ sign -41.314+/-0.018 χ^2/NDF: 77539.3/29

All: -40.859+/-0.013 χ^2/NDF: 130054.5/60

- sign -40.380+/-0.019 χ^2/NDF: 51247.4/30

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.352+/-0.108 χ^2/NDF:25.2/12

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

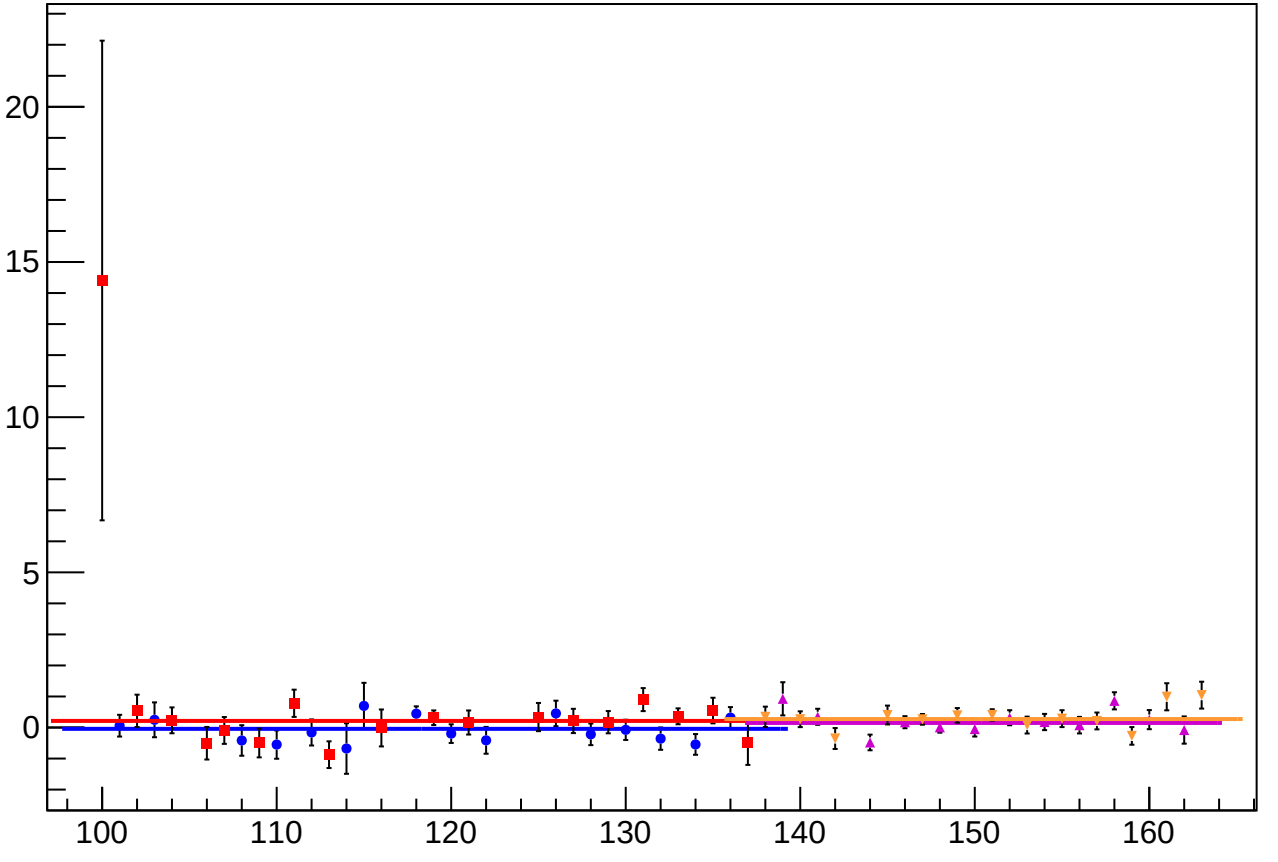
Left In: 0.249+/-0.107 χ^2/NDF:7.4/11

+ sign 0.369+/-0.070 χ^2/NDF: 39.3/28

All: 0.364+/-0.049 χ^2/NDF: 77.5/58

- sign 0.359+/-0.069 χ^2/NDF: 38.2/29

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.073 χ^2/NDF:14.5/12

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

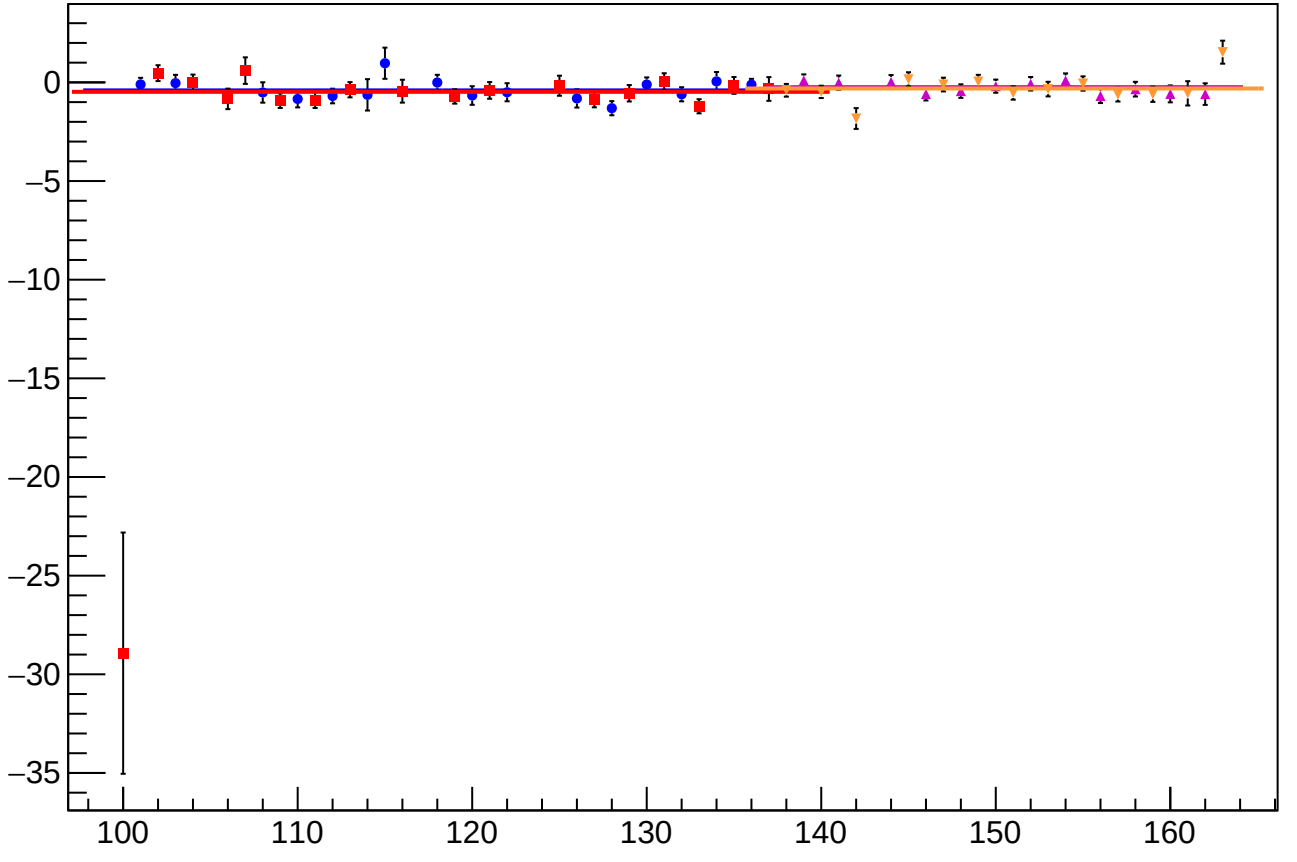
Left In: 0.148+/-0.073 χ^2/NDF:17.9/11

+ sign 0.155+/-0.058 χ^2/NDF: 36.6/28

All: 0.163+/-0.041 χ^2/NDF: 77.2/58

- sign 0.172+/-0.058 χ^2/NDF: 40.6/29

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.309+/-0.104 χ^2/NDF:24.1/12

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

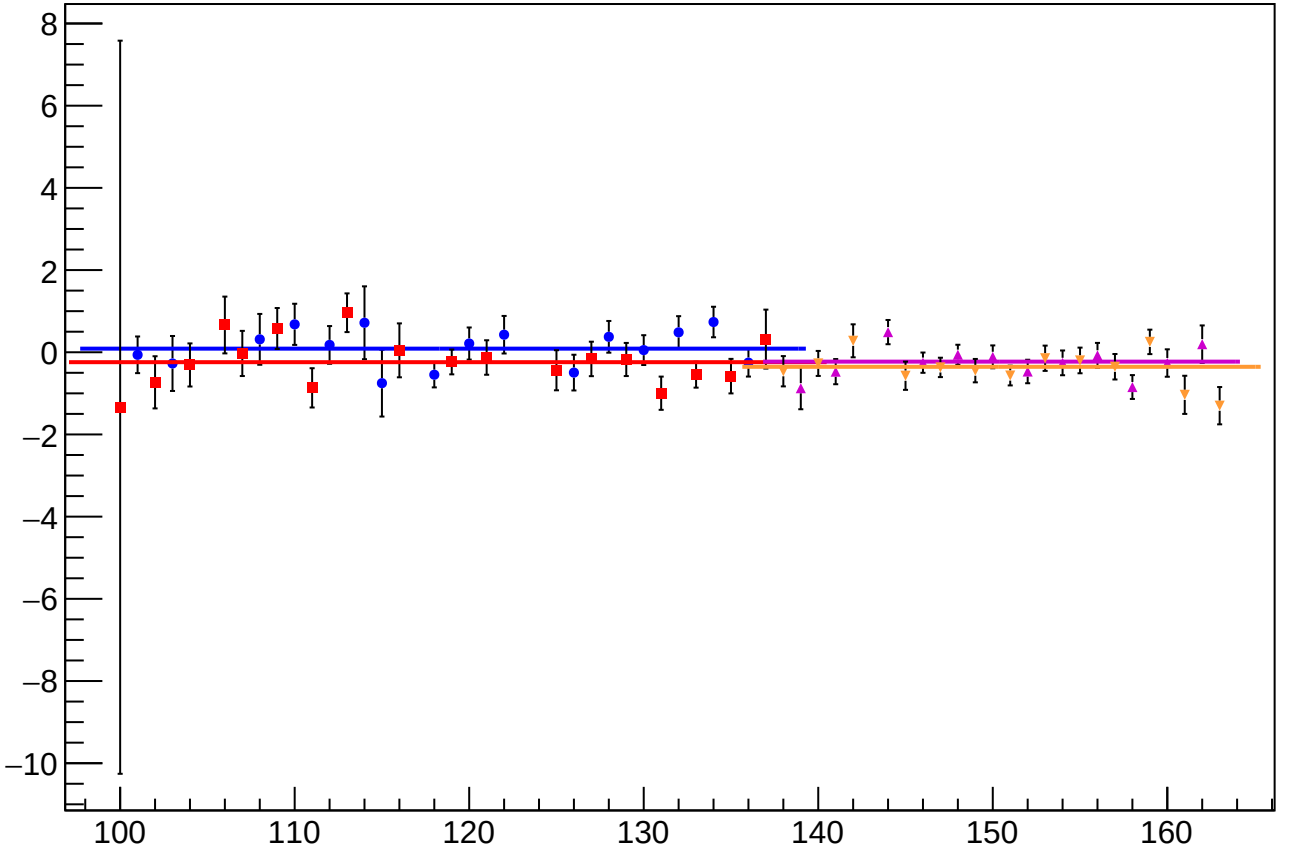
Left In: -0.242+/-0.104 χ^2/NDF:7.4/11

+ sign -0.358+/-0.073 χ^2/NDF: 42.3/28

All: -0.359+/-0.052 χ^2/NDF: 94.6/58

- sign -0.360+/-0.074 χ^2/NDF: 52.3/29

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.087 χ^2/NDF:15.3/12

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

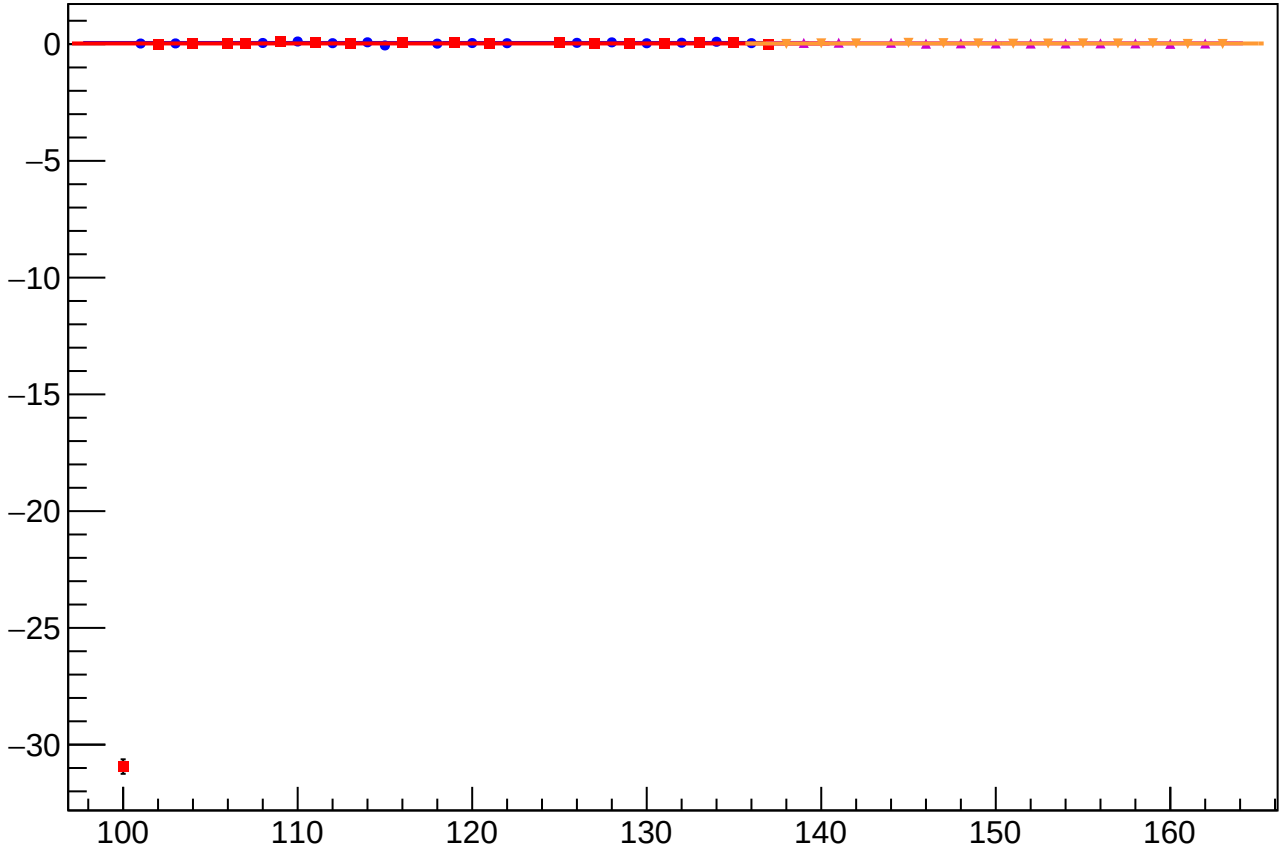
Left In: -0.228+/-0.087 χ^2/NDF:15.2/11

+ sign -0.181+/-0.068 χ^2/NDF: 41.3/28

All: -0.207+/-0.048 χ^2/NDF: 76.4/58

- sign -0.233+/-0.068 χ^2/NDF: 34.8/29

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/12

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

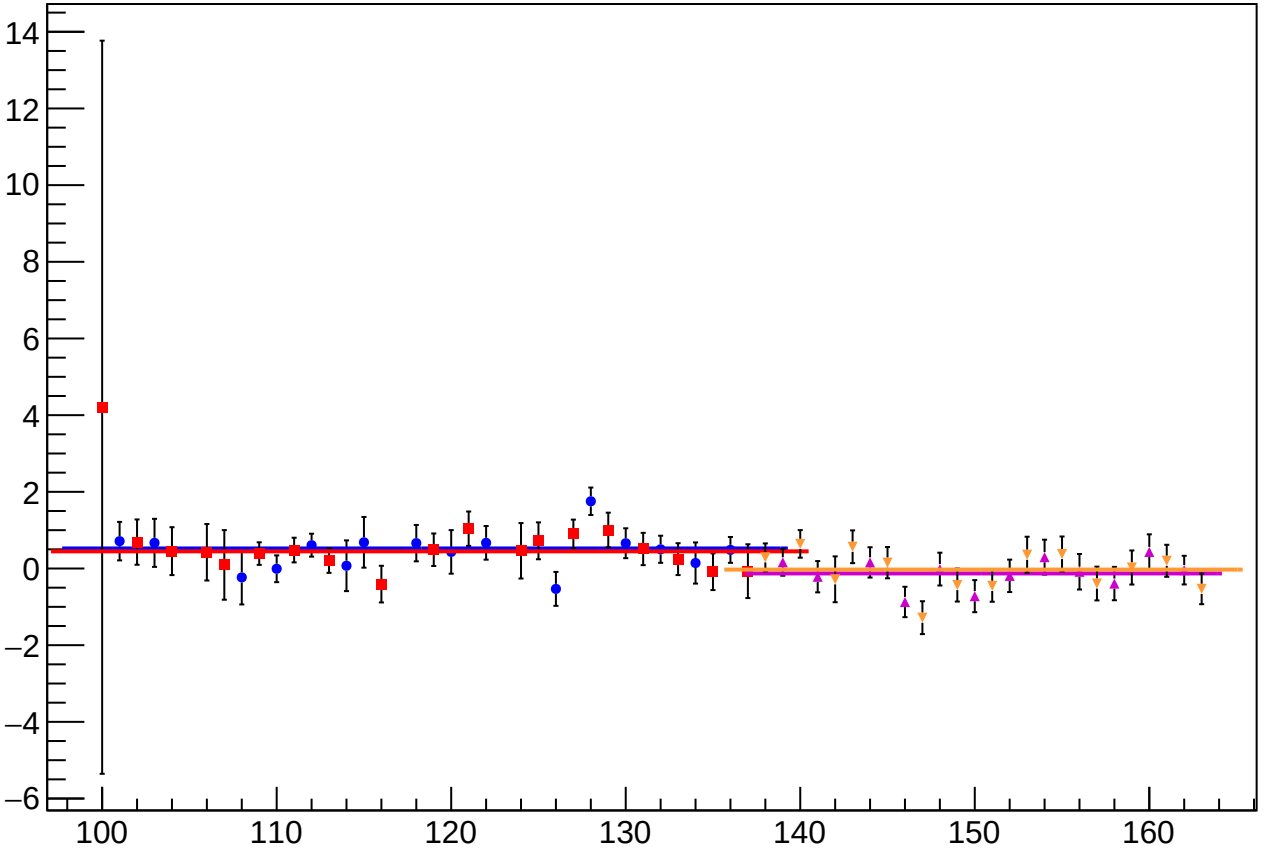
Left In: 0.035+/-0.004 χ^2/NDF:12.0/11

+ sign 0.033+/-0.003 χ^2/NDF: 38.1/28

All: 0.033+/-0.002 χ^2/NDF: 10071.9/58

- sign 0.033+/-0.003 χ^2/NDF: 10033.8/29

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.028+/-0.113 χ^2/NDF:21.1/13

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

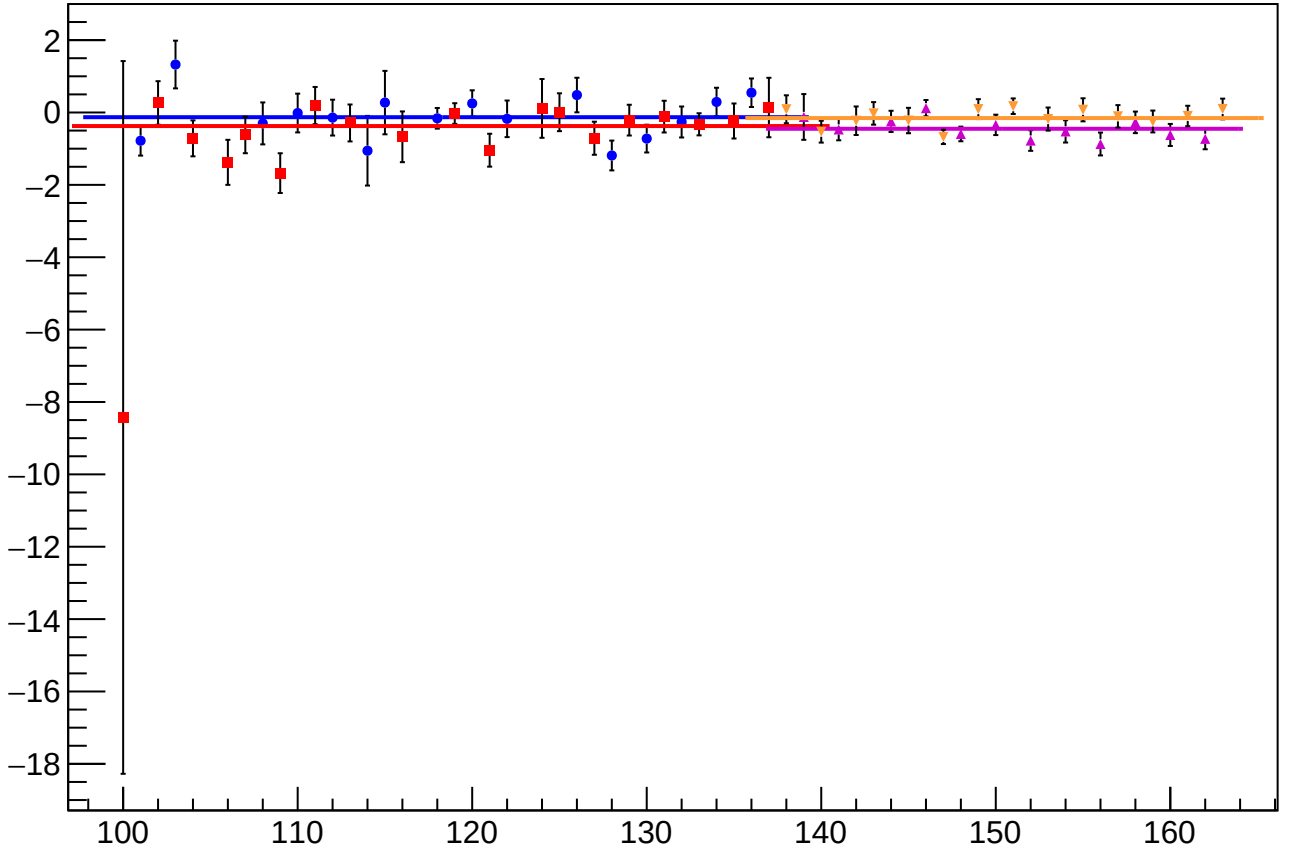
Left In: -0.129+/-0.119 χ^2/NDF:9.7/11

+ sign 0.259+/-0.078 χ^2/NDF: 56.0/29

All: 0.228+/-0.056 χ^2/NDF: 90.6/60

- sign 0.195+/-0.079 χ^2/NDF: 34.2/30

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.154+/-0.077 χ^2/NDF:13.7/13

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

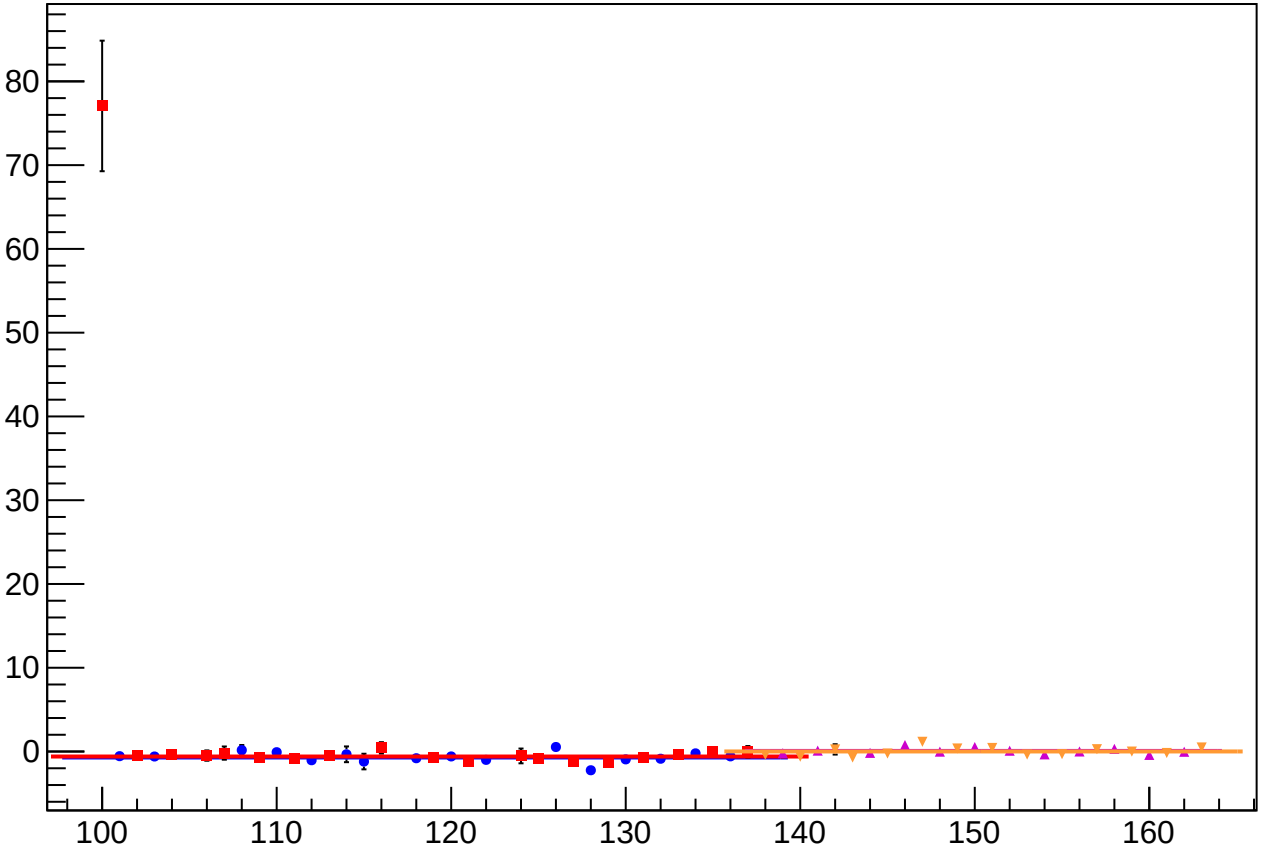
Left In: -0.450+/-0.082 χ^2/NDF:12.5/11

+ sign -0.146+/-0.063 χ^2/NDF: 38.3/29

All: -0.279+/-0.046 χ^2/NDF: 78.5/60

- sign -0.424+/-0.066 χ^2/NDF: 31.0/30

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.007+/-0.110 χ^2/NDF:20.9/13

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

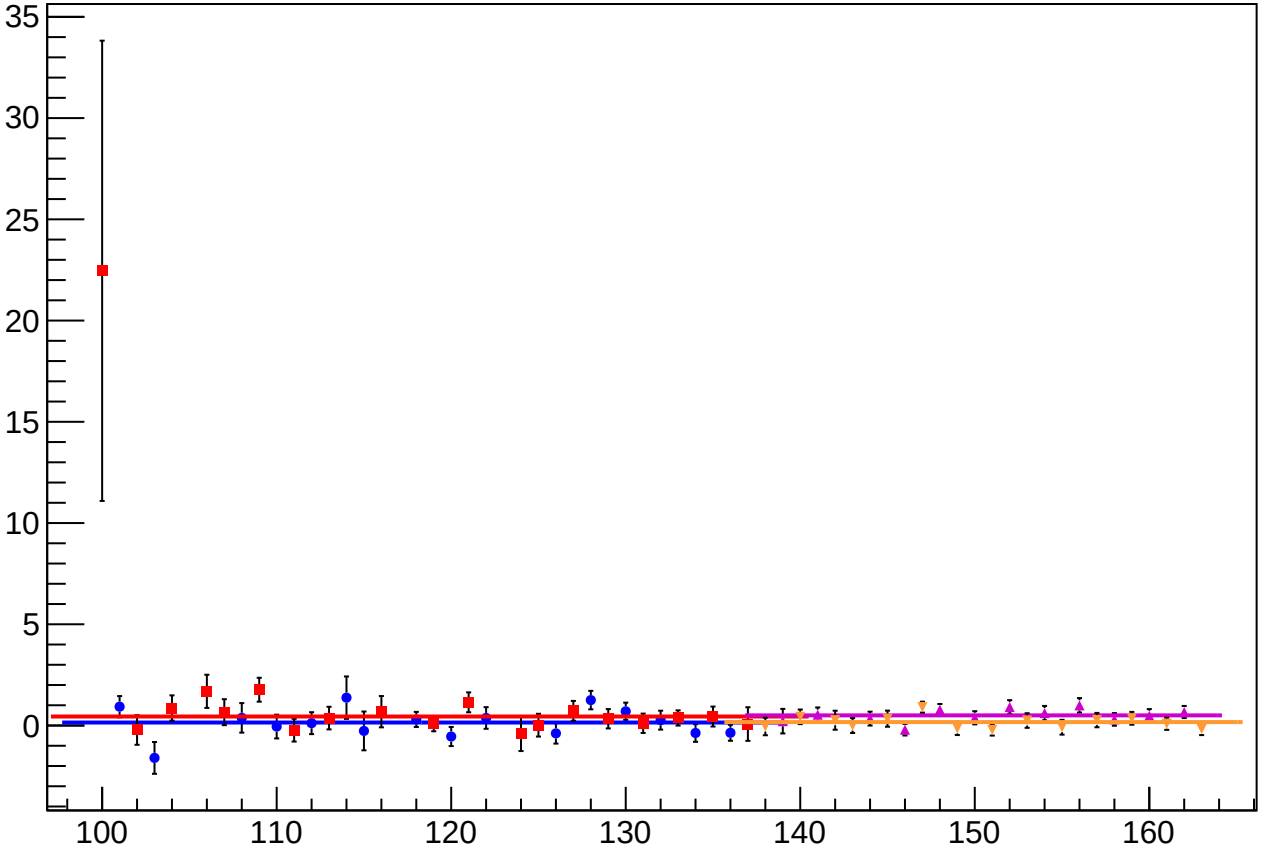
Left In: 0.069+/-0.115 χ^2/NDF:8.4/11

+ sign -0.317+/-0.082 χ^2/NDF: 65.1/29

All: -0.282+/-0.058 χ^2/NDF: 200.7/60

- sign -0.245+/-0.084 χ^2/NDF: 135.2/30

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.090 χ^2/NDF:13.8/13

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

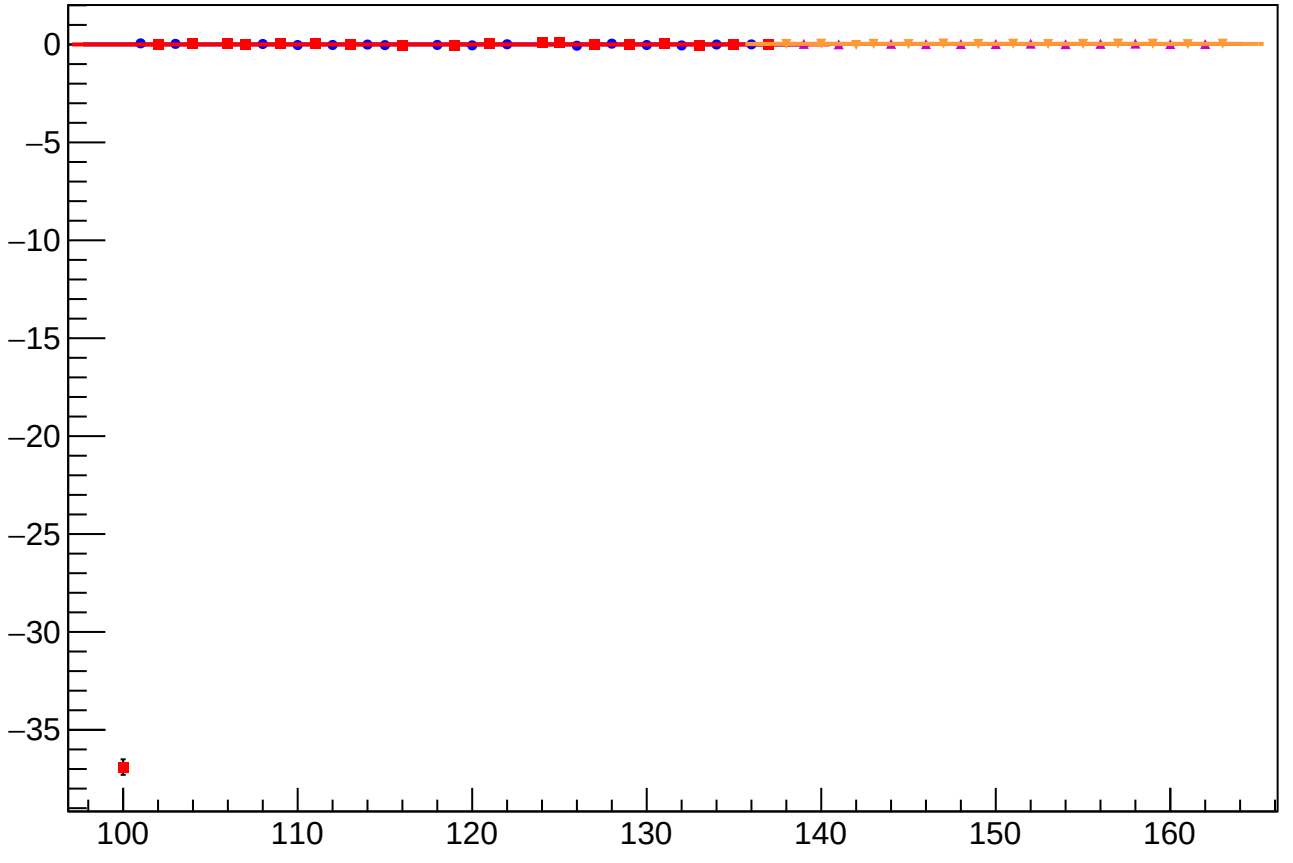
Left In: 0.501+/-0.096 χ^2/NDF:12.0/11

+ sign 0.162+/-0.074 χ^2/NDF: 37.0/29

All: 0.315+/-0.053 χ^2/NDF: 77.8/60

- sign 0.481+/-0.077 χ^2/NDF: 31.8/30

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.004 χ^2/NDF:10.7/13

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

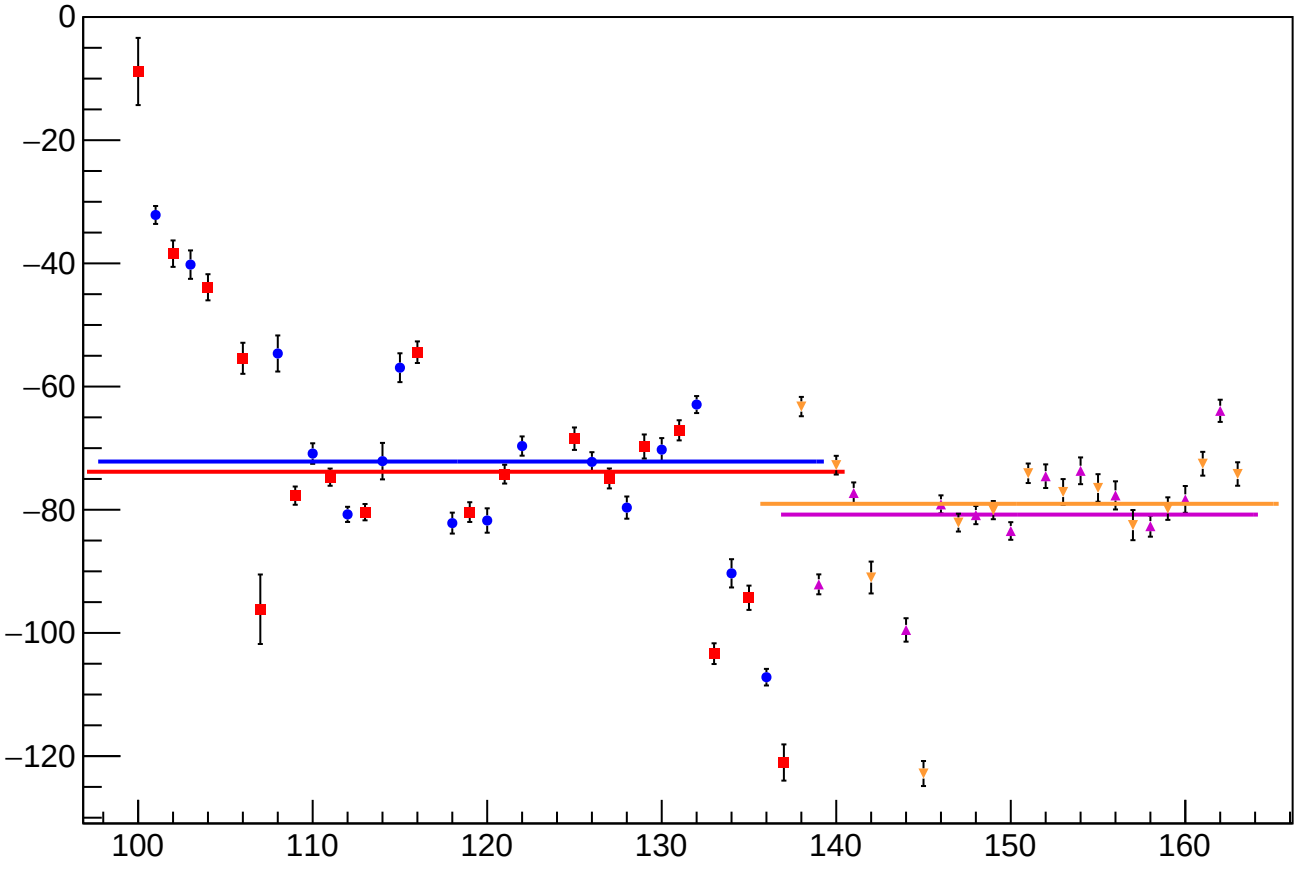
Left In: 0.030+/-0.004 χ^2/NDF:5.3/11

+ sign 0.024+/-0.004 χ^2/NDF: 36.2/29

All: 0.024+/-0.003 χ^2/NDF: 8805.2/60

- sign 0.023+/-0.004 χ^2/NDF: 8768.9/30

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.037+/-0.500 χ^2/NDF:640.8/12

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

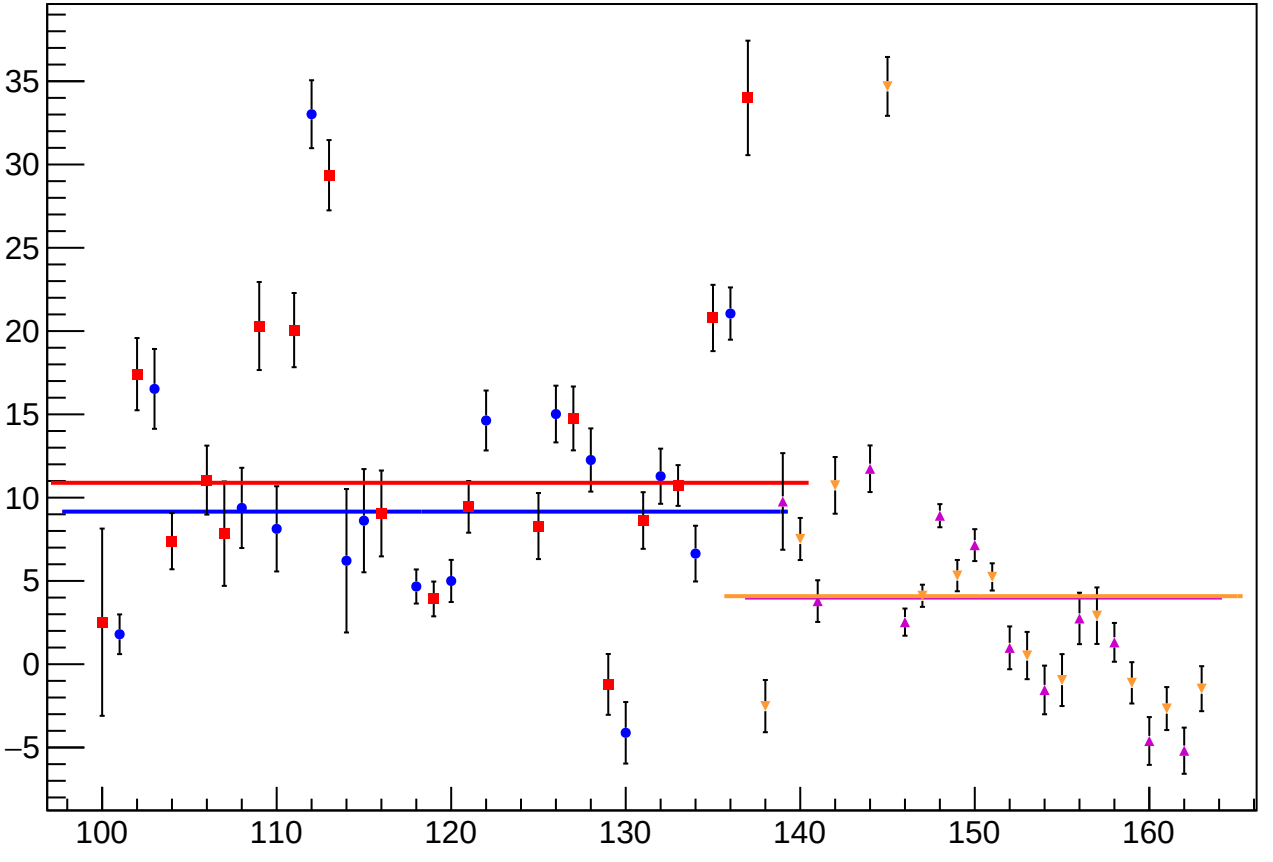
Left In: -80.787+/-0.503 χ^2/NDF:268.0/11

+ sign -75.107+/-0.327 χ^2/NDF: 2684.7/28

All: -75.939+/-0.231 χ^2/NDF: 4633.7/58

- sign -76.772+/-0.327 χ^2/NDF: 1936.0/29

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 4.085+/-0.322 χ^2/NDF:423.0/12

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

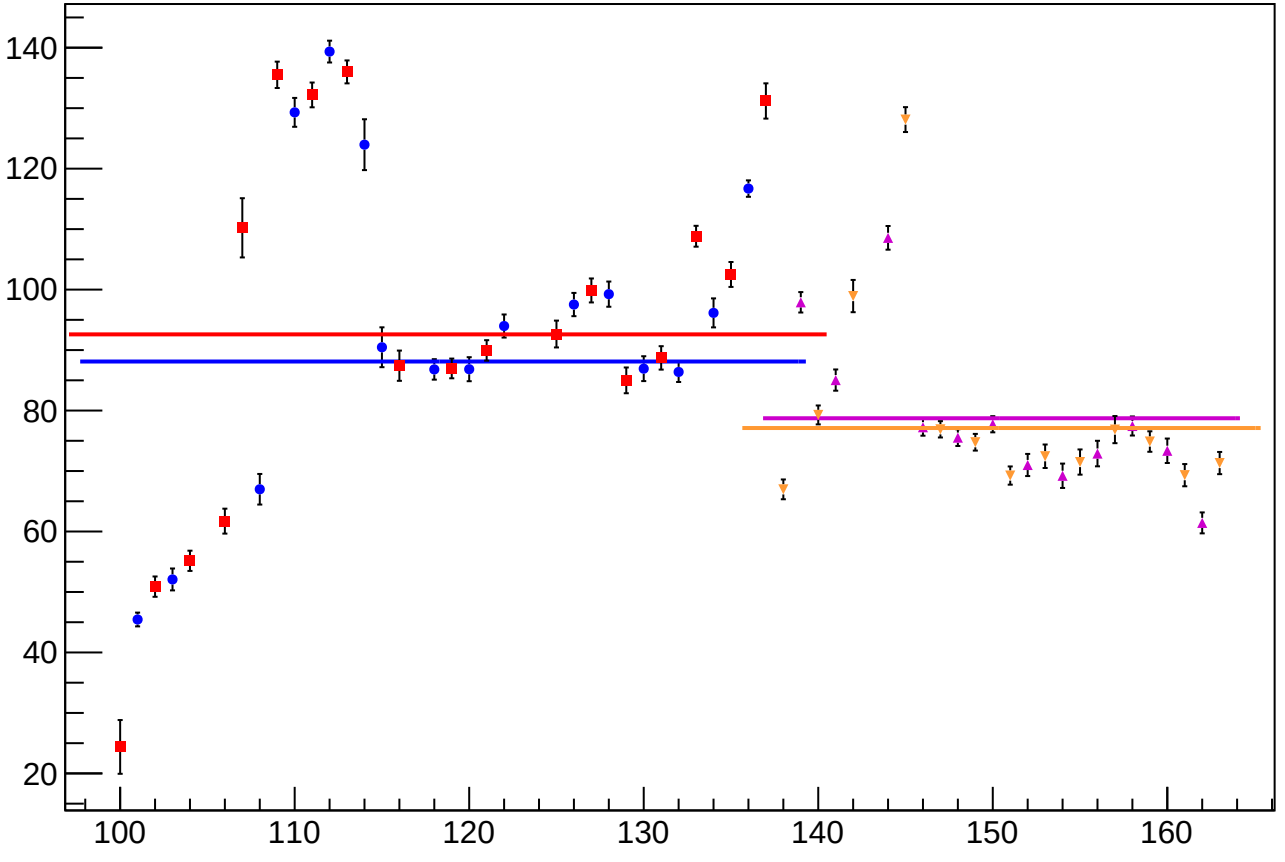
Left In: 4.001+/-0.330 χ^2/NDF:204.5/11

+ sign 5.936+/-0.257 χ^2/NDF: 865.7/28

All: 6.202+/-0.184 χ^2/NDF: 1519.5/58

- sign 6.484+/-0.264 χ^2/NDF: 651.6/29

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.111+/-0.482 χ^2/NDF:794.0/12

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

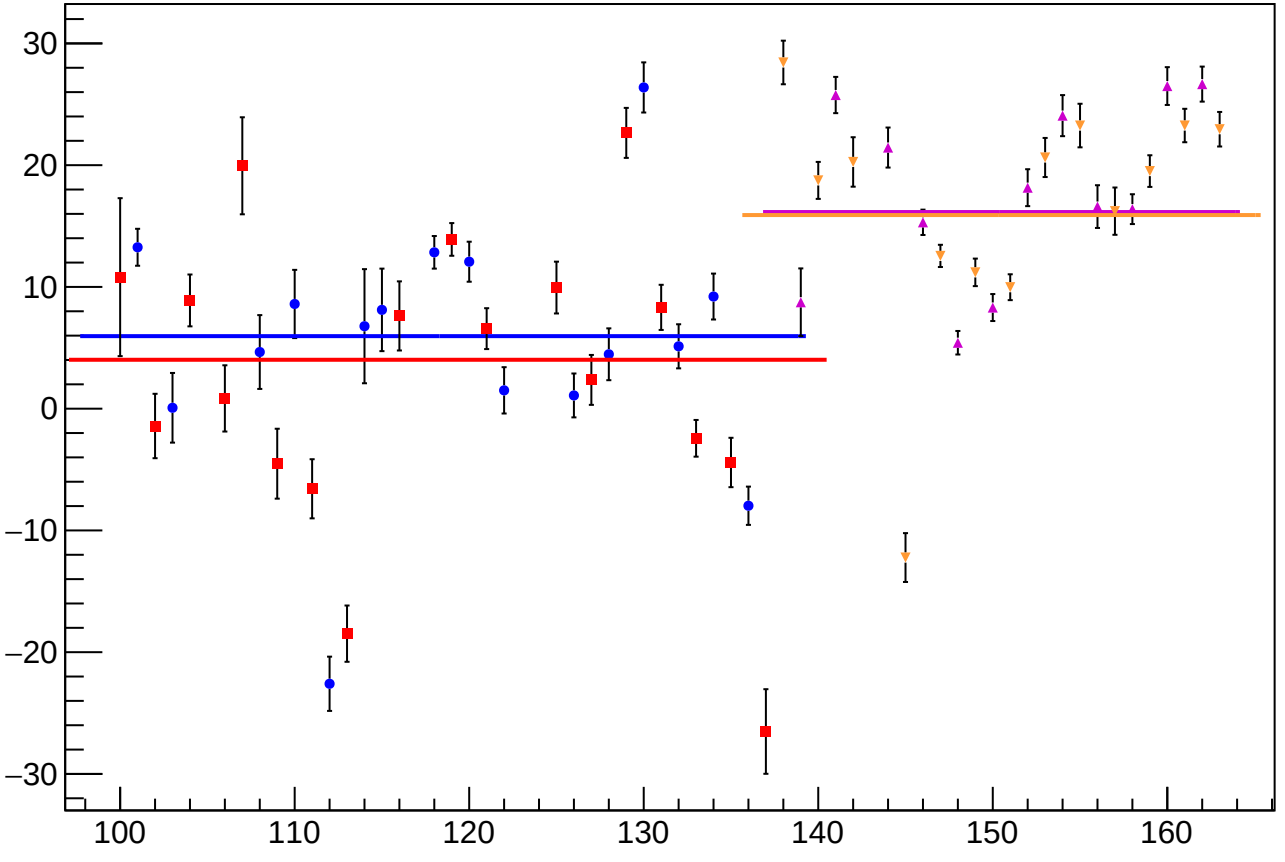
Left In: 78.727+/-0.483 χ^2/NDF:536.4/11

+ sign 82.762+/-0.336 χ^2/NDF: 4623.6/28

All: 84.188+/-0.240 χ^2/NDF: 8819.6/58

- sign 85.663+/-0.342 χ^2/NDF: 4159.4/29

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.903+/-0.387 χ^2/NDF:402.4/12

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

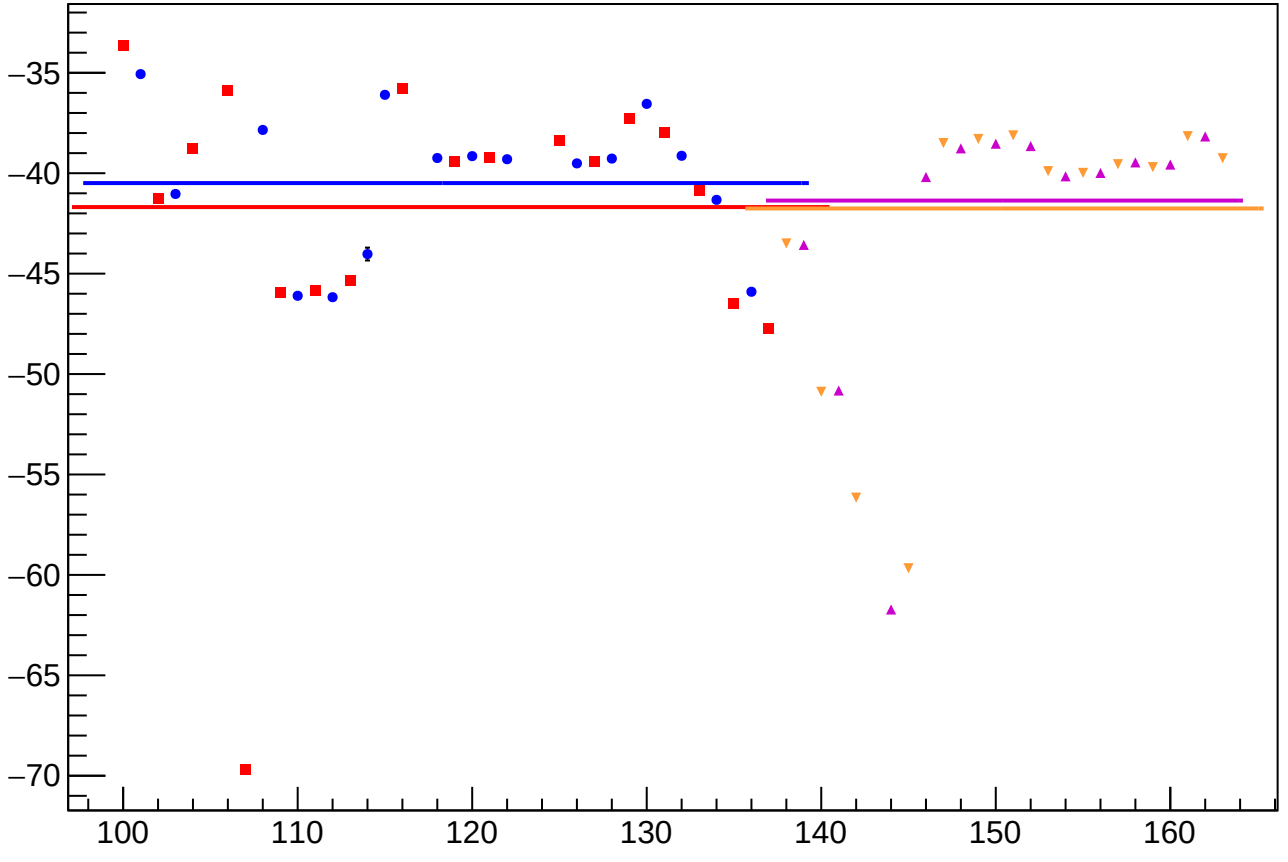
Left In: 16.151+/-0.394 χ^2/NDF:354.9/11

+ sign 12.132+/-0.305 χ^2/NDF: 1080.1/28

All: 11.876+/-0.218 χ^2/NDF: 2208.8/58

- sign 11.608+/-0.312 χ^2/NDF: 1127.3/29

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.755+/-0.019 χ^2/NDF:102039.9/12

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

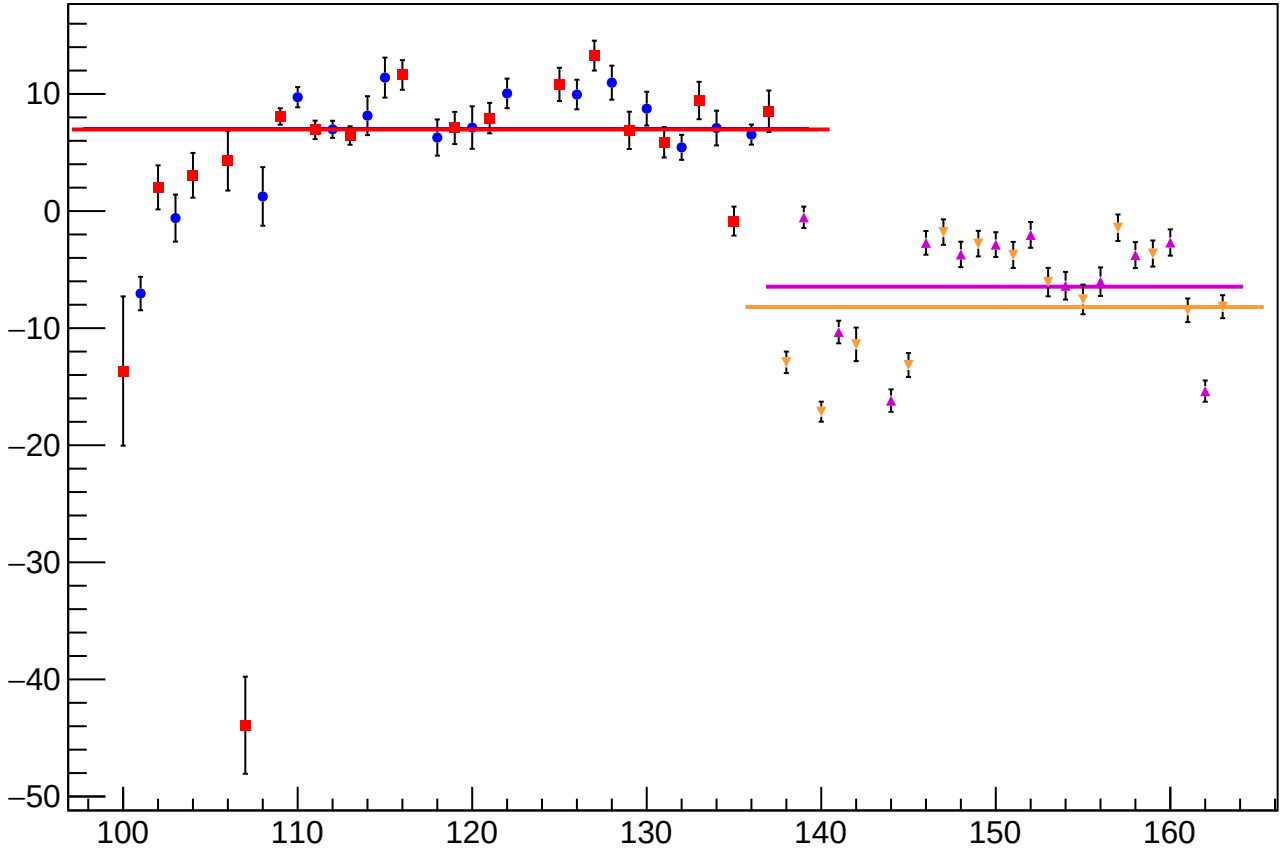
Left In: -41.361+/-0.018 χ^2/NDF:84249.8/11

+ sign -41.375+/-0.016 χ^2/NDF: 121560.4/28

All: -41.414+/-0.011 χ^2/NDF: 242749.5/58

- sign -41.453+/-0.016 χ^2/NDF: 121176.6/29

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.198+/-0.296 χ^2/NDF:295.3/12

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

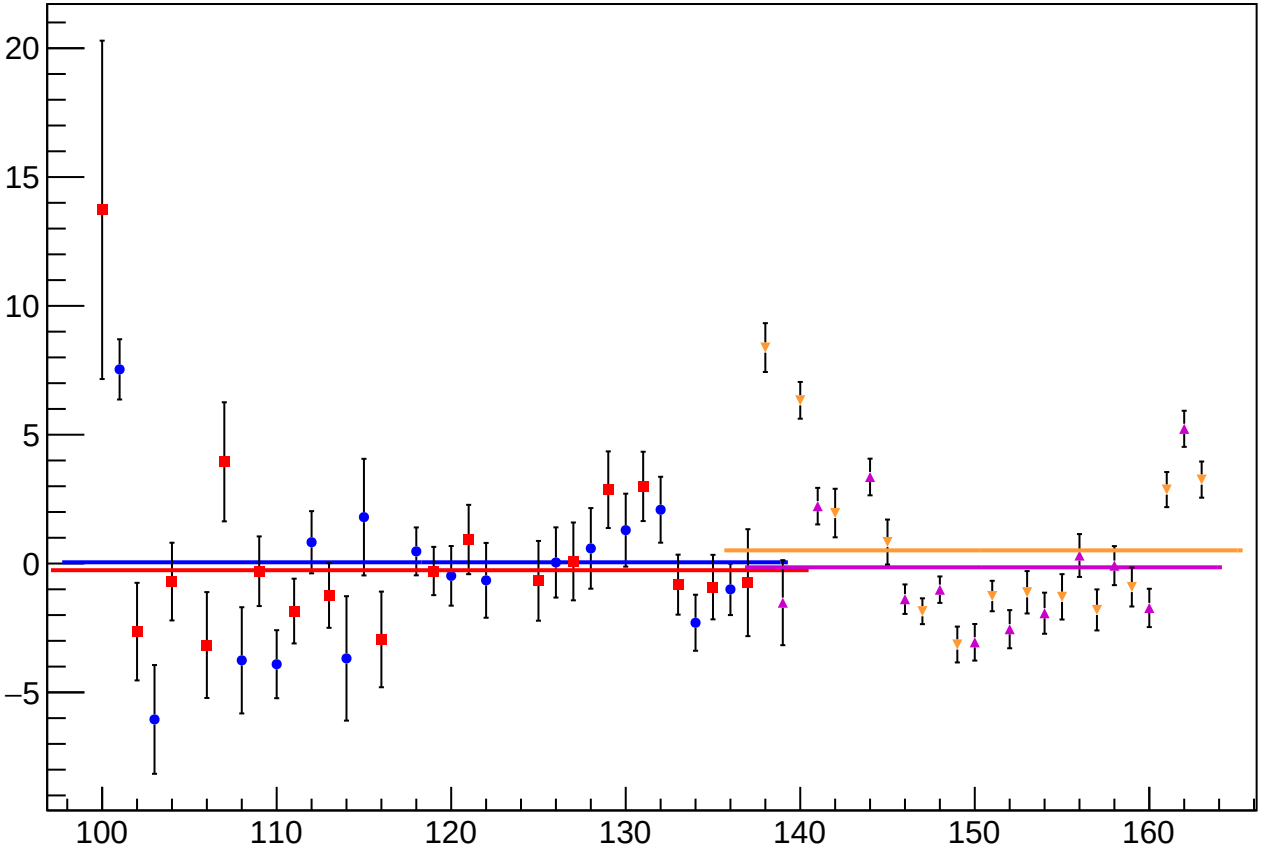
Left In: -6.458+/-0.300 χ^2/NDF:321.9/11

+ sign -0.919+/-0.214 χ^2/NDF: 1712.7/28

All: -0.302+/-0.150 χ^2/NDF: 3323.6/58

- sign 0.301+/-0.212 χ^2/NDF: 1594.5/29

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.511+/-0.201 χ^2/NDF:244.2/12

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

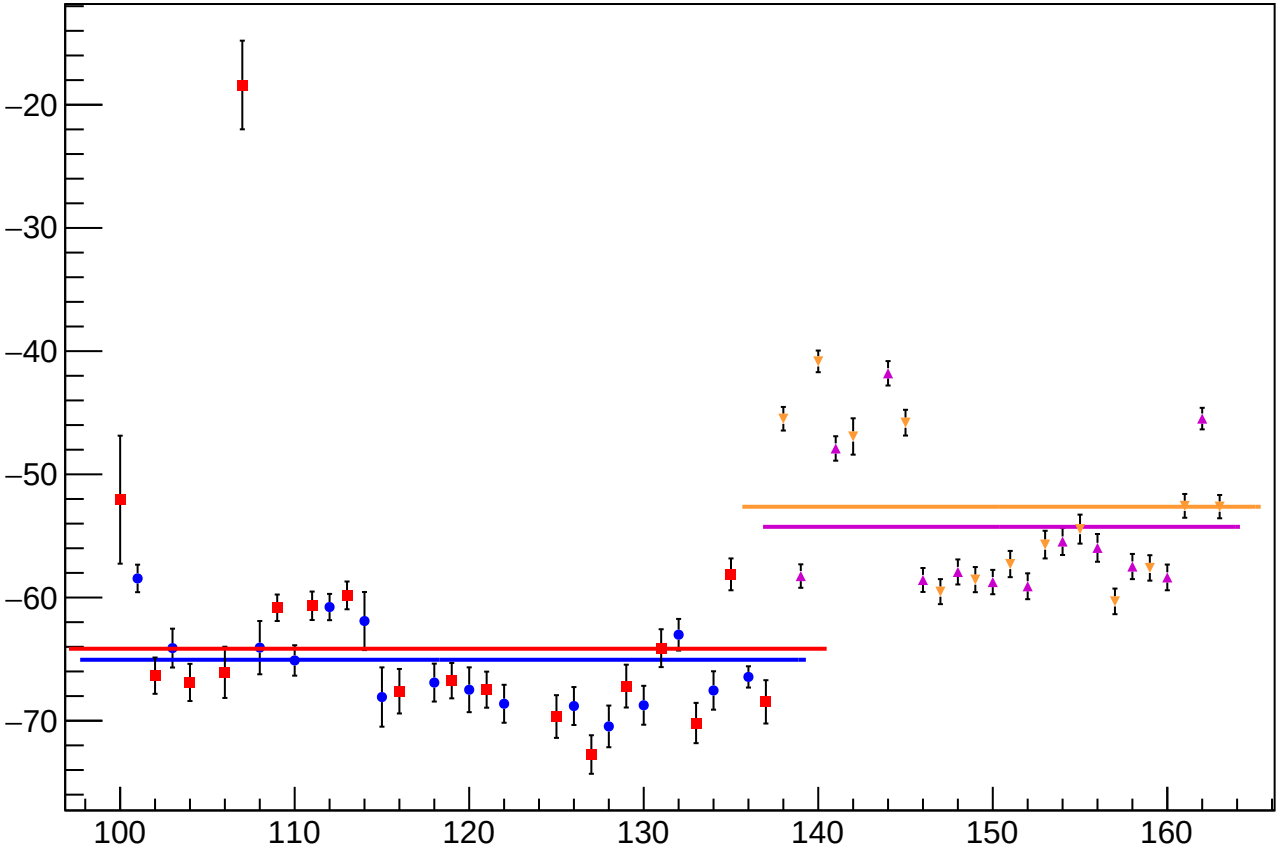
Left In: -0.147+/-0.206 χ^2/NDF:139.7/11

+ sign 0.387+/-0.172 χ^2/NDF: 320.6/28

All: 0.113+/-0.123 χ^2/NDF: 493.1/58

- sign -0.176+/-0.177 χ^2/NDF: 167.3/29

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.630+/-0.287 χ^2/NDF:479.7/12

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

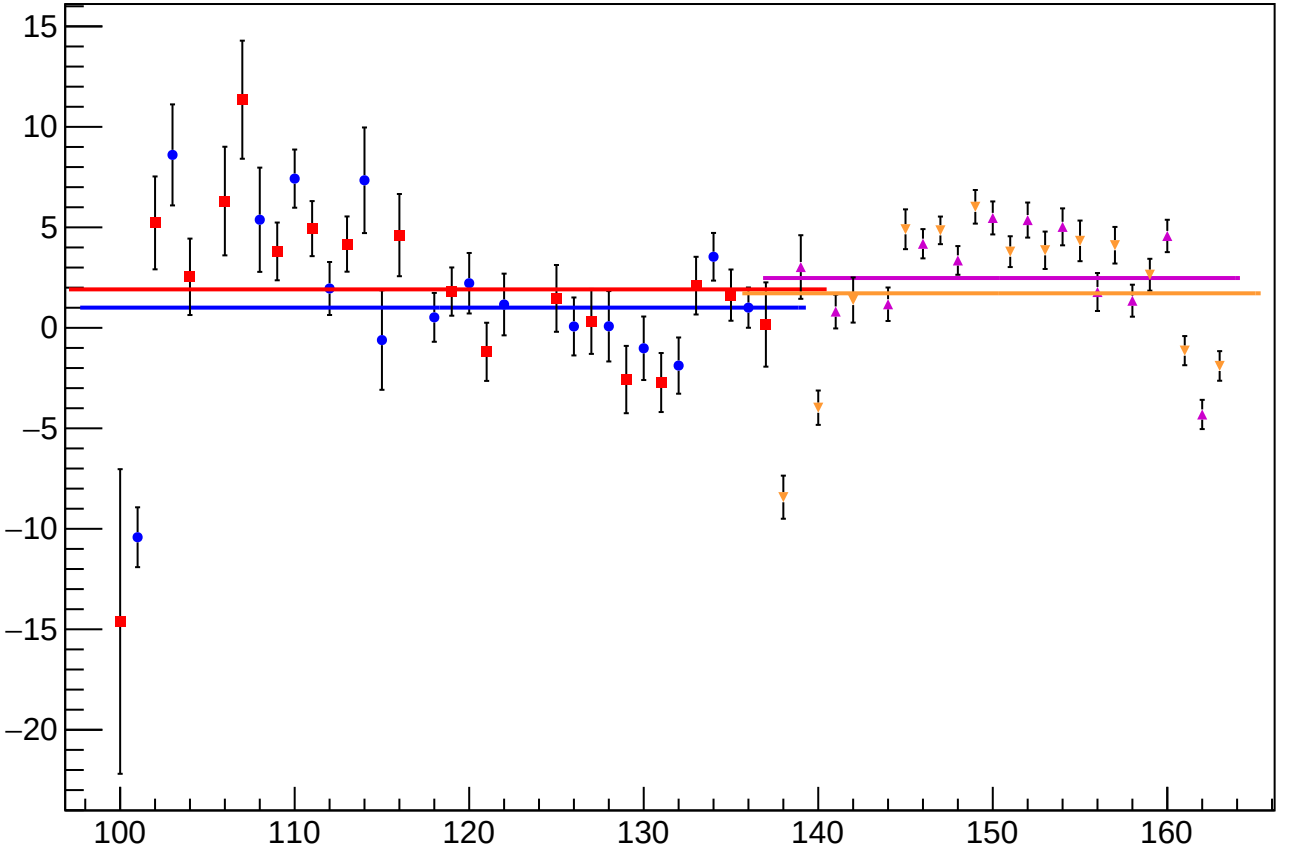
Left In: -54.260+/-0.290 χ^2/NDF:421.4/11

+ sign -57.556+/-0.223 χ^2/NDF: 1315.4/28

All: -57.847+/-0.159 χ^2/NDF: 2501.6/58

- sign -58.147+/-0.226 χ^2/NDF: 1182.7/29

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.718+/-0.236 χ^2/NDF:258.6/12

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

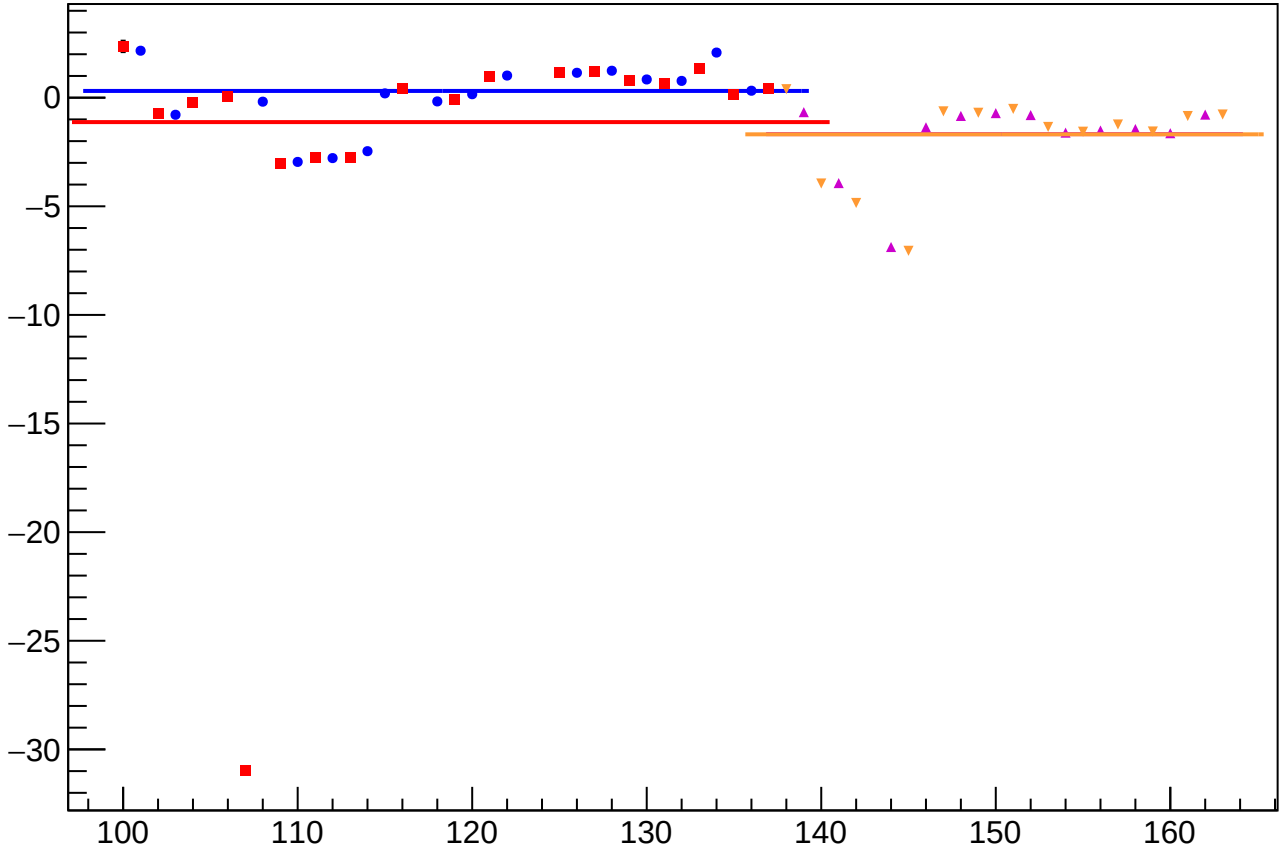
Left In: 2.478+/-0.241 χ^2/NDF:141.8/11

+ sign 1.517+/-0.200 χ^2/NDF: 370.5/28

All: 1.909+/-0.143 χ^2/NDF: 576.2/58

- sign 2.322+/-0.205 χ^2/NDF: 197.8/29

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.687+/-0.011 χ^2/NDF:29499.9/12

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

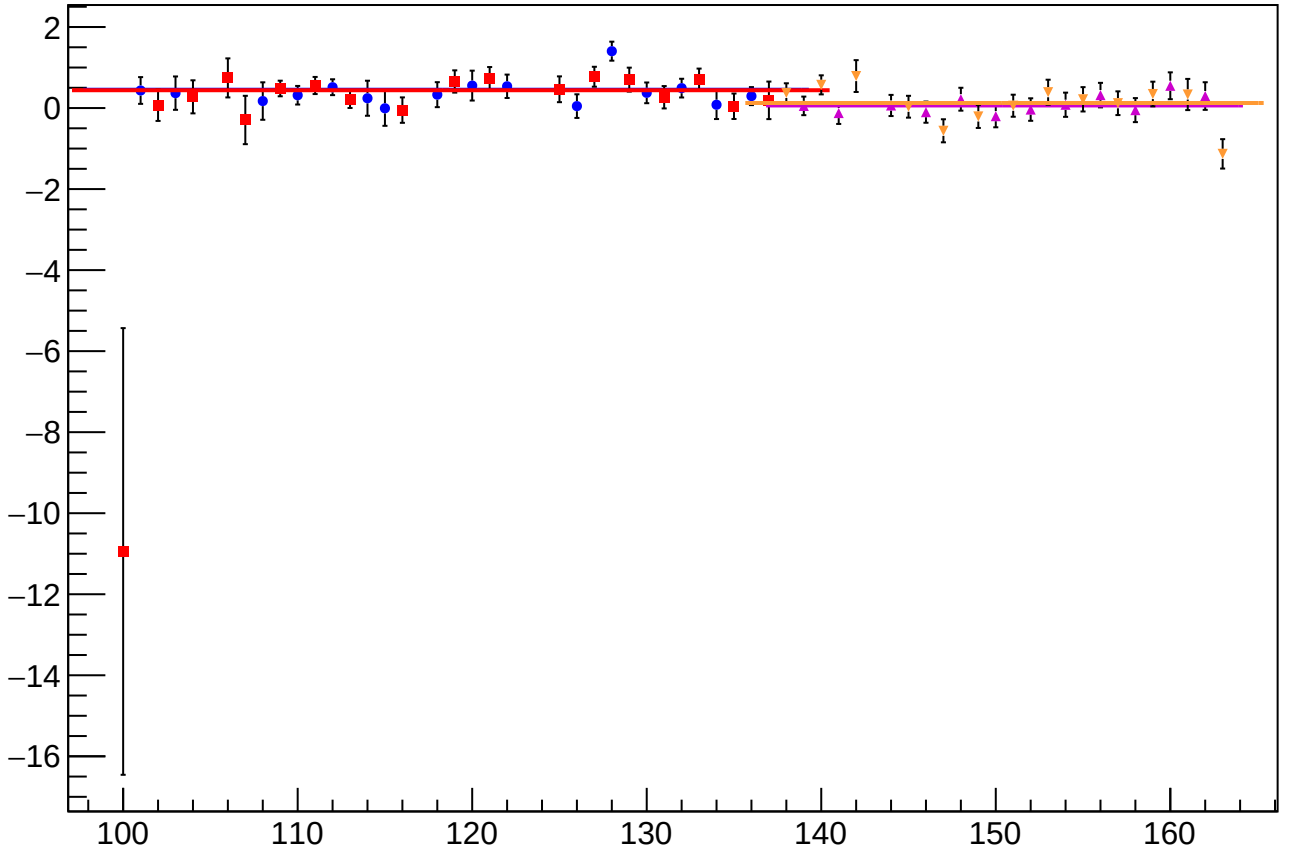
Left In: -1.677+/-0.011 χ^2/NDF:20187.4/11

\+ sign -1.270+/-0.010 χ^2/NDF: 41460.0/28

All: -1.418+/-0.007 χ^2/NDF: 108974.3/58

\- sign -1.570+/-0.010 χ^2/NDF: 67035.0/29

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.081 χ^2/NDF:28.5/12

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

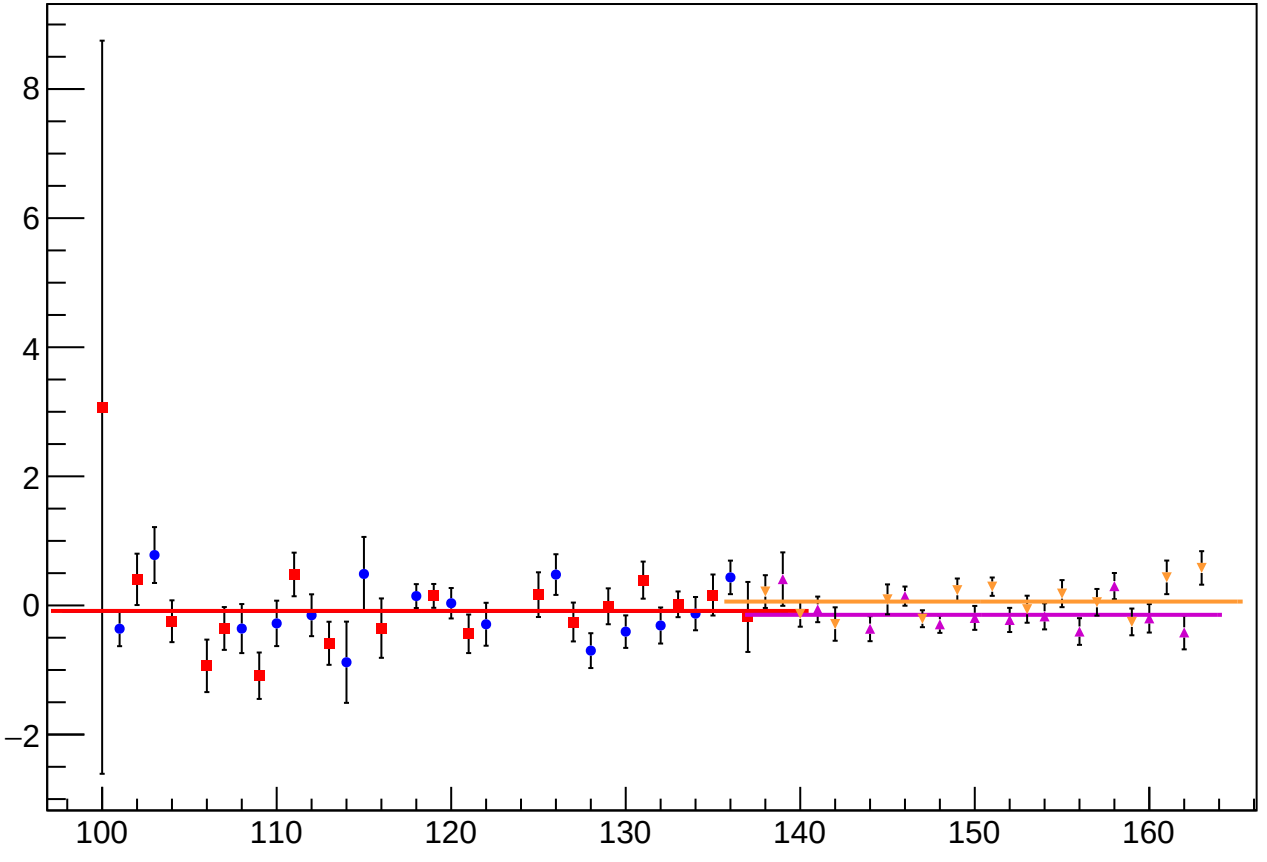
Left In: 0.064+/-0.081 χ^2/NDF:5.7/11

+ sign 0.309+/-0.053 χ^2/NDF: 60.4/28

All: 0.295+/-0.038 χ^2/NDF: 97.2/58

- sign 0.280+/-0.053 χ^2/NDF: 36.6/29

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.060+/-0.055 χ^2/NDF:19.9/12

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

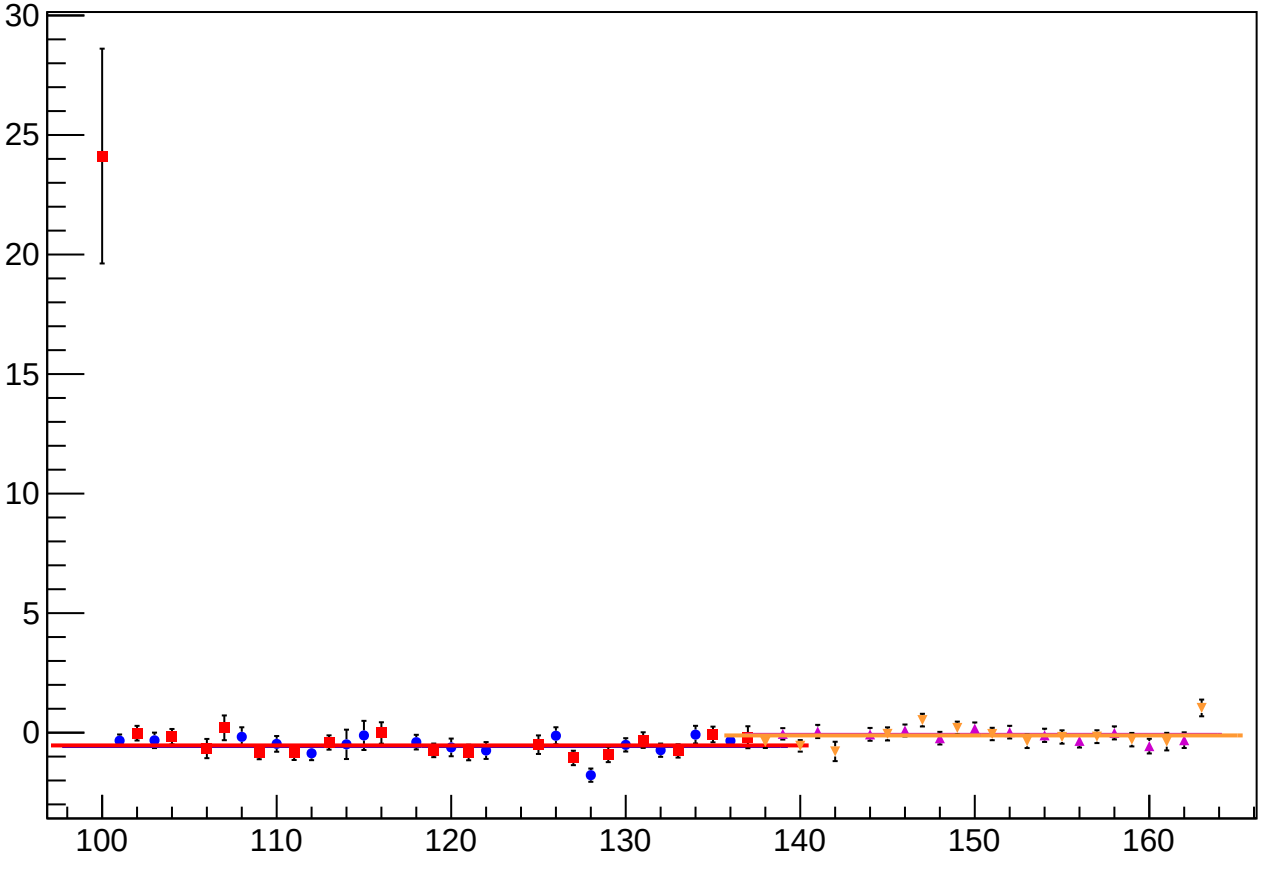
Left In: -0.145+/-0.056 χ^2/NDF:16.0/11

+ sign 0.007+/-0.044 χ^2/NDF: 47.9/28

All: -0.057+/-0.031 χ^2/NDF: 96.6/58

- sign -0.124+/-0.044 χ^2/NDF: 44.3/29

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.115+/-0.078 χ^2/NDF:27.0/12

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

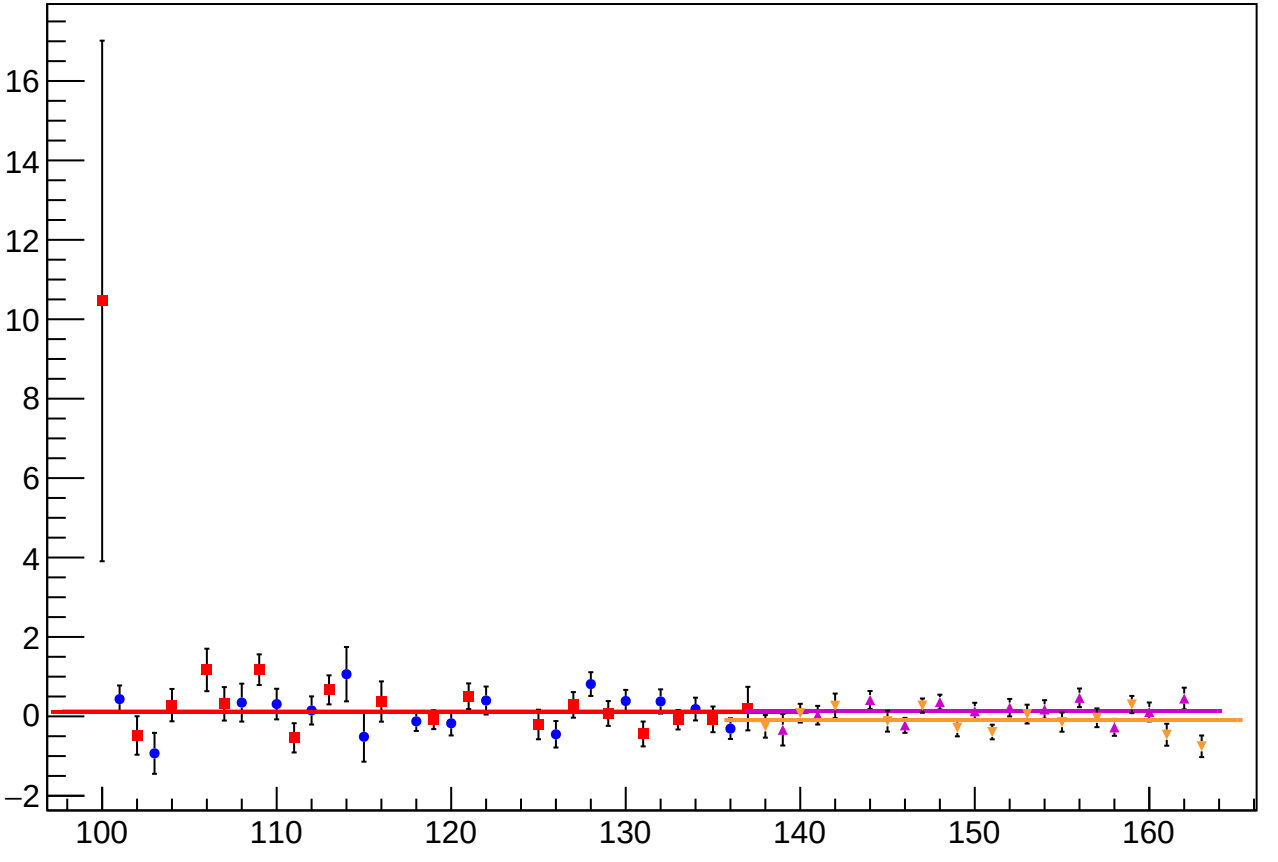
Left In: -0.092+/-0.078 χ^2/NDF:6.0/11

+ sign -0.333+/-0.056 χ^2/NDF: 71.1/28

All: -0.320+/-0.040 χ^2/NDF: 141.9/58

- sign -0.306+/-0.056 χ^2/NDF: 70.7/29

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.092+/-0.065 χ^2/NDF:21.2/12

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

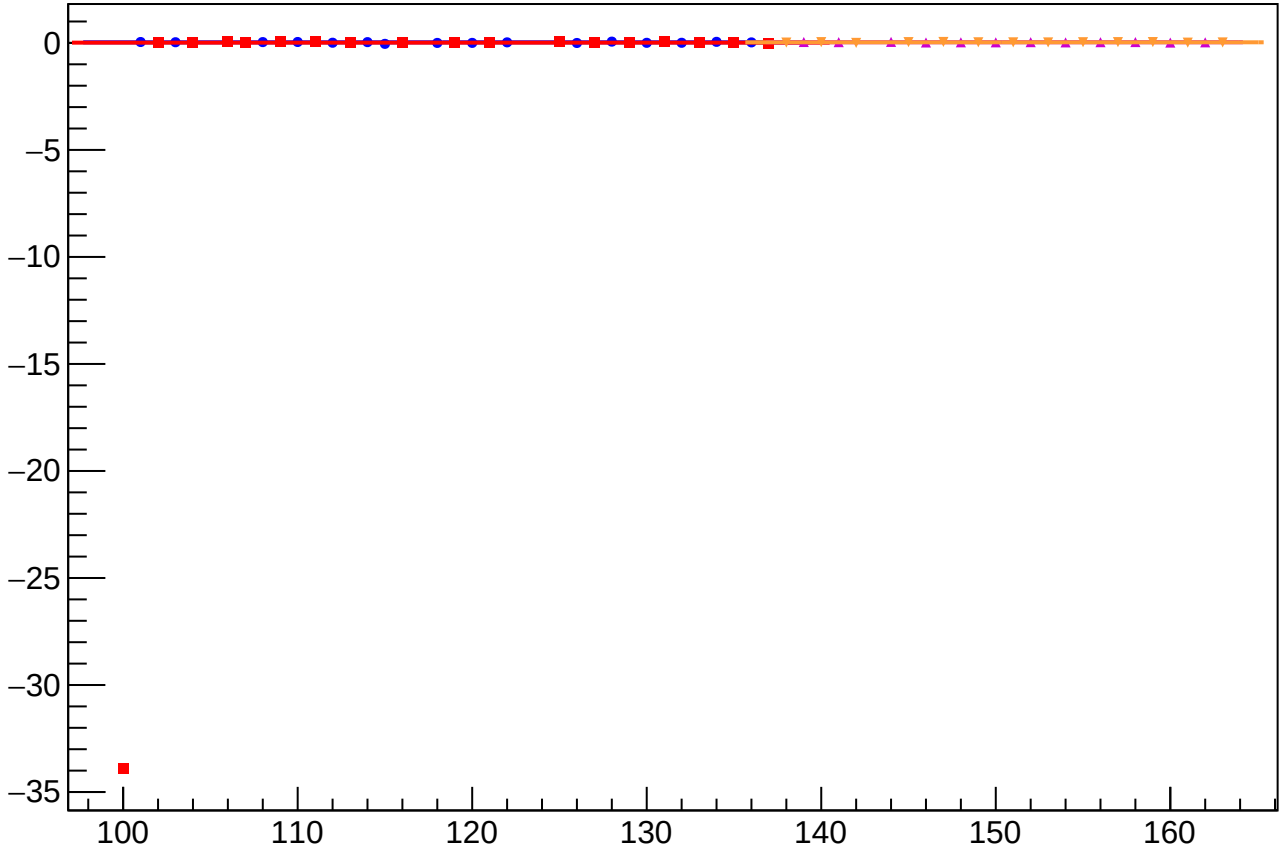
Left In: 0.135+/-0.065 χ^2/NDF:15.5/11

+ sign -0.013+/-0.051 χ^2/NDF: 48.7/28

All: 0.056+/-0.036 χ^2/NDF: 97.0/58

- sign 0.126+/-0.052 χ^2/NDF: 44.6/29

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.4/12

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

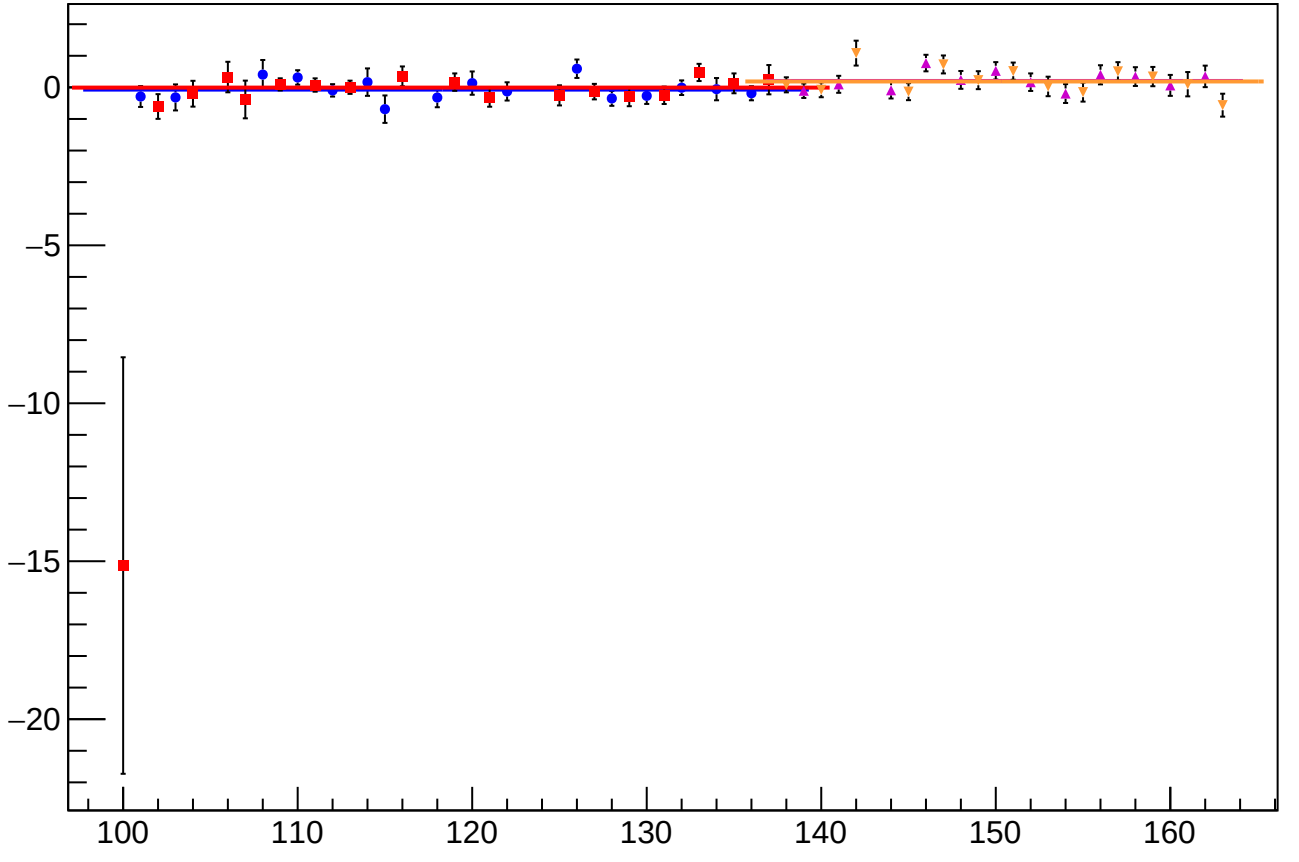
Left In: 0.032+/-0.003 χ^2/NDF:8.5/11

+ sign 0.028+/-0.003 χ^2/NDF: 26.1/28

All: 0.027+/-0.002 χ^2/NDF: 22309.2/58

- sign 0.027+/-0.003 χ^2/NDF: 22283.0/29

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.187+/-0.081 χ^2/NDF:20.4/12

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

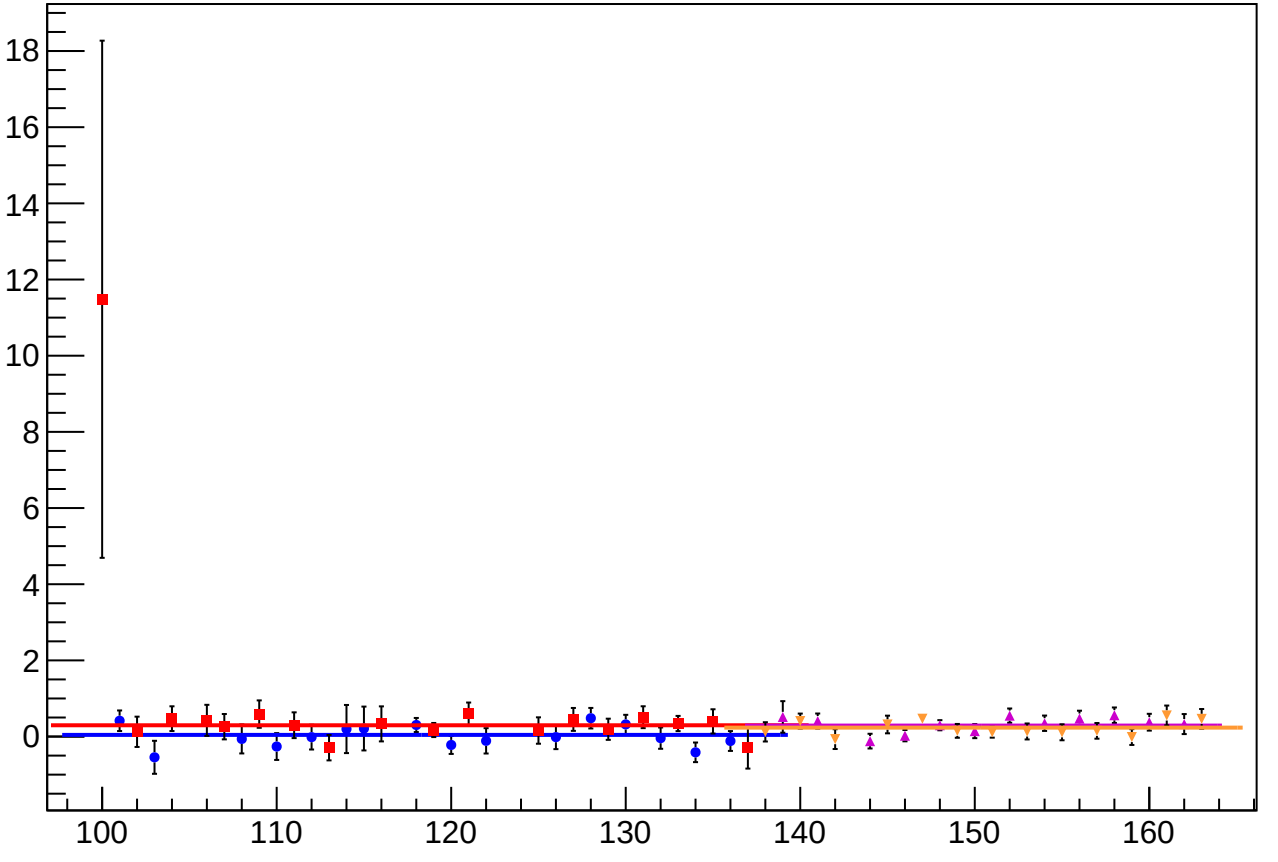
Left In: 0.203+/-0.081 χ^2/NDF:12.1/11

+ sign 0.042+/-0.053 χ^2/NDF: 41.6/28

All: 0.062+/-0.038 χ^2/NDF: 76.0/58

- sign 0.082+/-0.053 χ^2/NDF: 34.1/29

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.055 χ^2/NDF:11.0/12

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

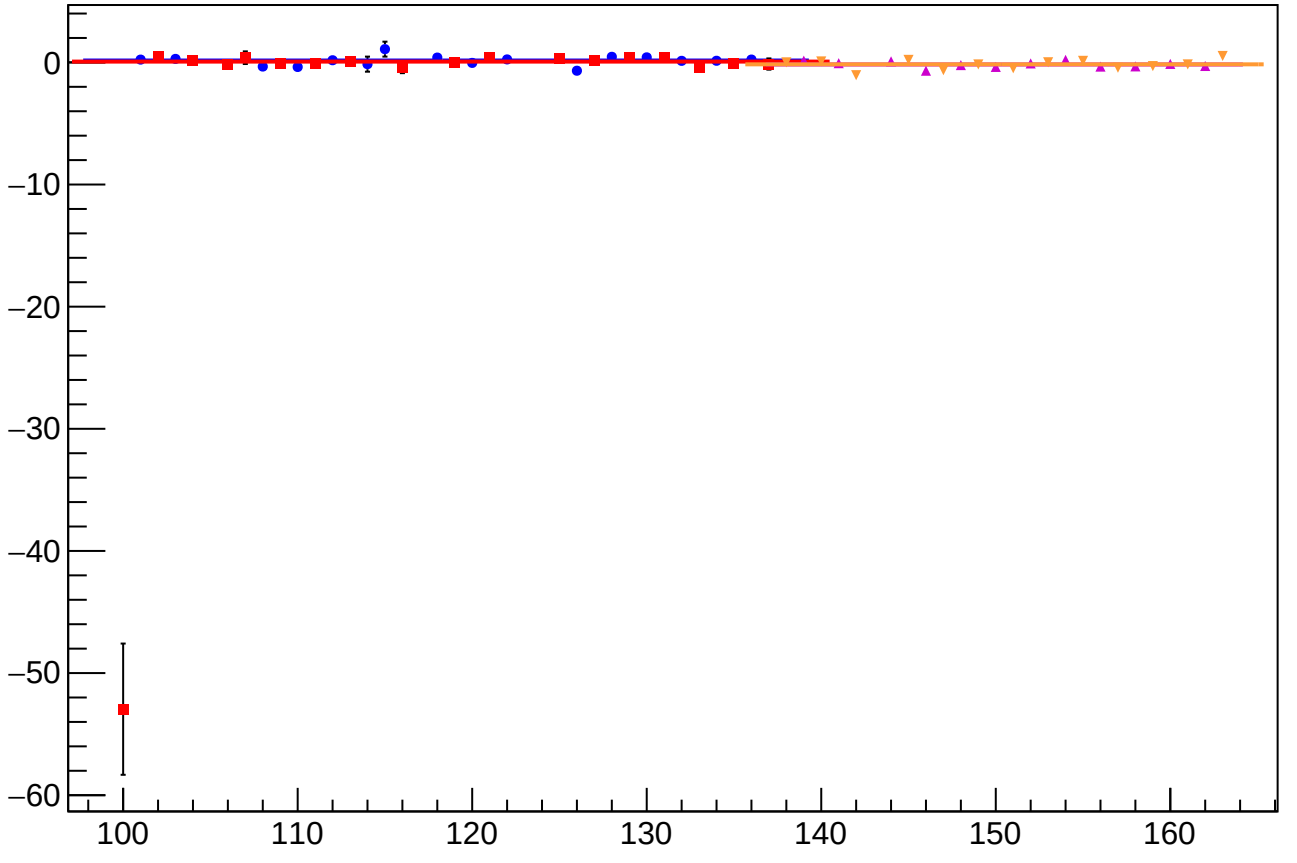
Left In: 0.288+/-0.056 χ^2/NDF:13.7/11

+ sign 0.166+/-0.044 χ^2/NDF: 31.1/28

All: 0.228+/-0.031 χ^2/NDF: 59.8/58

- sign 0.291+/-0.044 χ^2/NDF: 24.7/29

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.159+/-0.078 χ^2/NDF:19.3/12

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

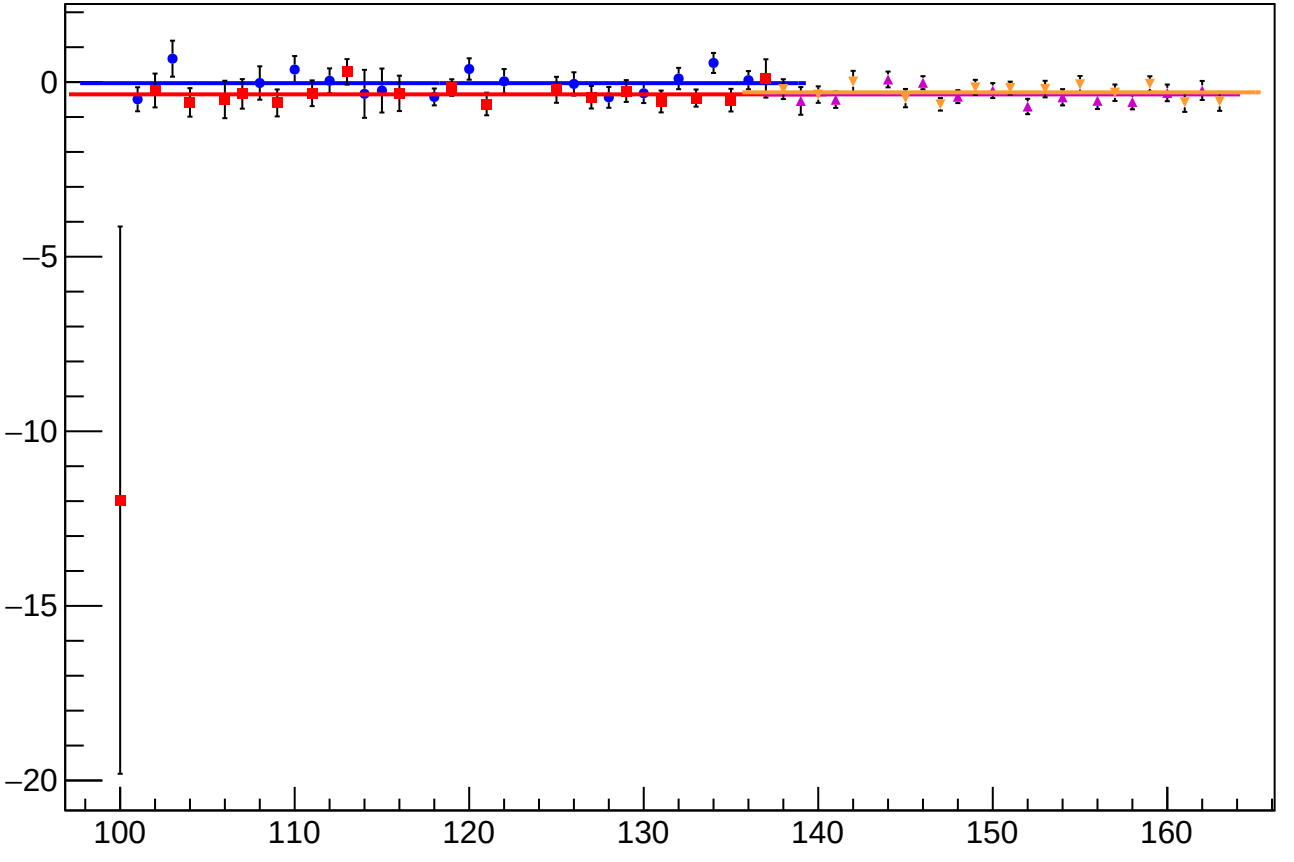
Left In: -0.171+/-0.078 χ^2/NDF:10.4/11

\+ sign -0.006+/-0.056 χ^2/NDF: 42.7/28

All: -0.031+/-0.040 χ^2/NDF: 167.3/58

\- sign -0.056+/-0.056 χ^2/NDF: 124.1/29

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.293+/-0.065 χ^2/NDF:10.3/12

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

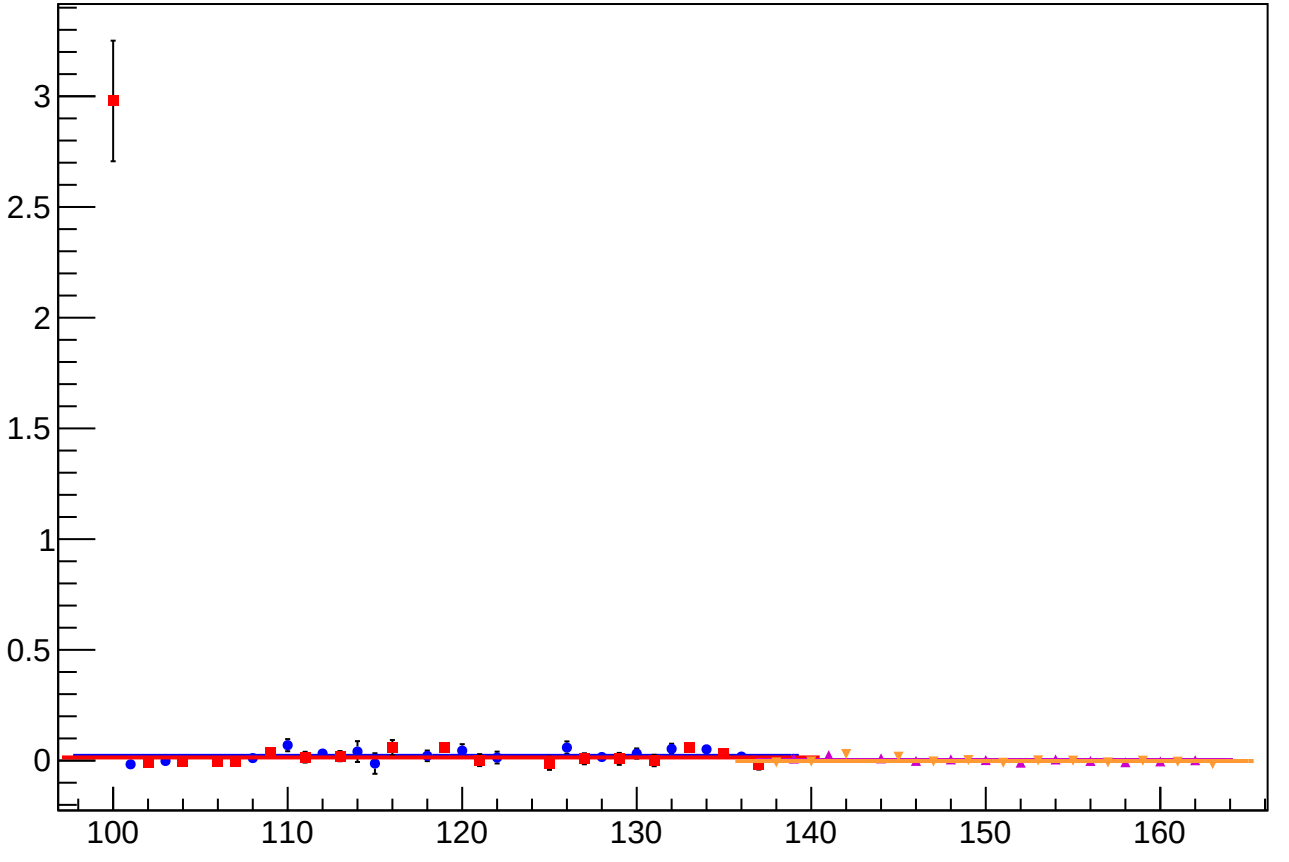
Left In: -0.352+/-0.065 χ^2/NDF:12.1/11

+ sign -0.195+/-0.051 χ^2/NDF: 33.3/28

All: -0.272+/-0.036 χ^2/NDF: 59.5/58

- sign -0.352+/-0.052 χ^2/NDF: 21.6/29

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.002+/-0.003 χ^2/NDF:9.9/12

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

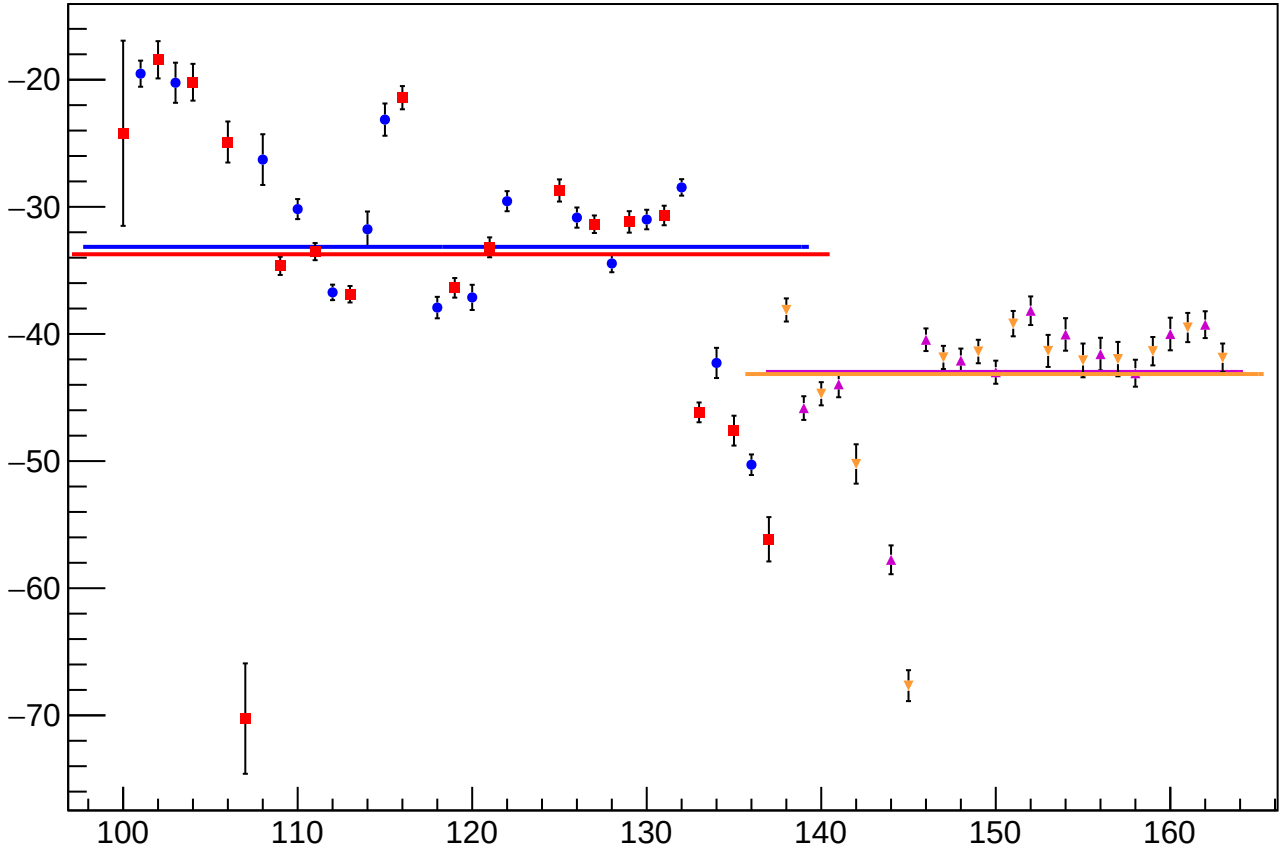
Left In: 0.002+/-0.003 χ^2/NDF:8.2/11

+ sign 0.004+/-0.003 χ^2/NDF: 49.3/28

All: 0.005+/-0.002 χ^2/NDF: 202.7/58

- sign 0.005+/-0.003 χ^2/NDF: 153.3/29

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.153+/-0.302 χ^2/NDF:498.9/12

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

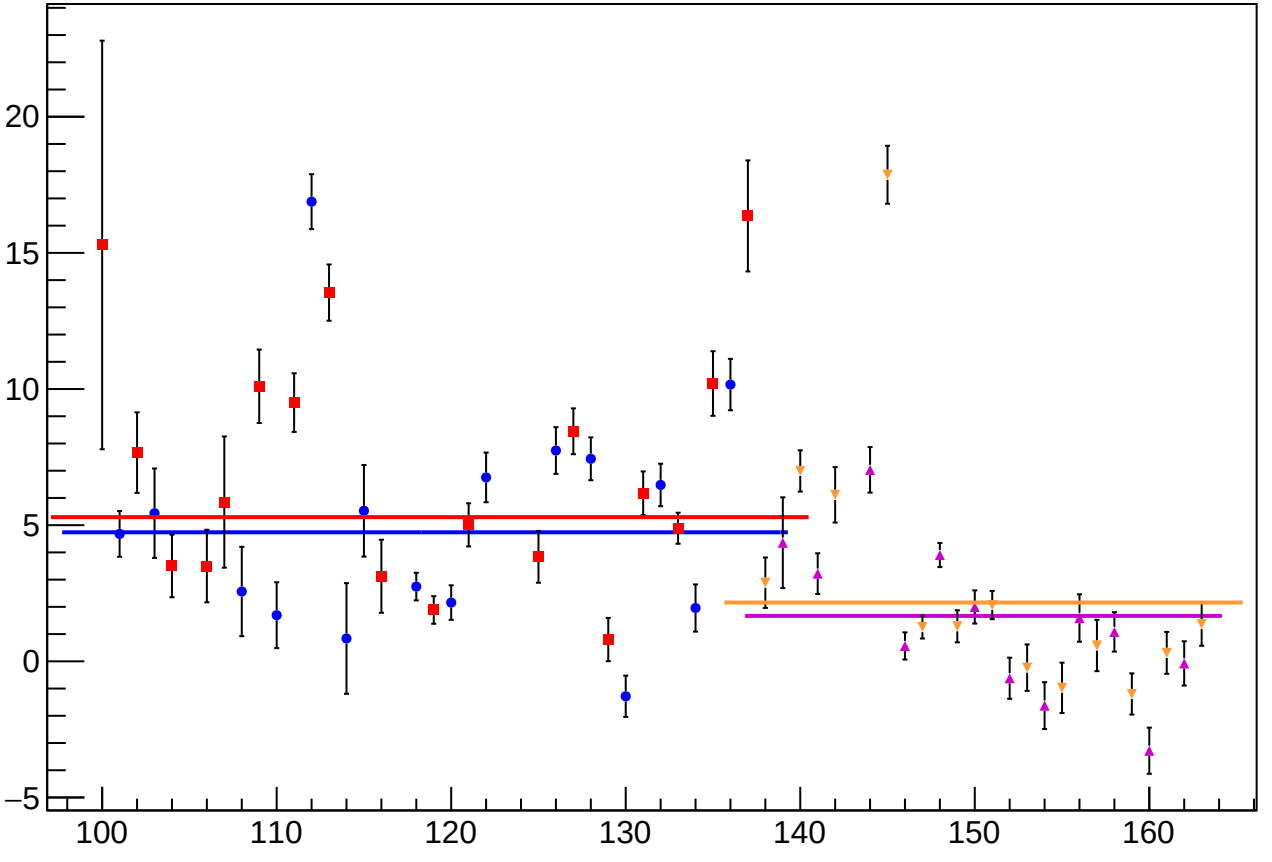
Left In: -42.987+/-0.303 χ^2/NDF:231.8/11

+ sign -36.578+/-0.177 χ^2/NDF: 2235.1/28

All: -36.705+/-0.124 χ^2/NDF: 4237.7/58

- sign -36.829+/-0.175 χ^2/NDF: 2001.5/29

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.159+/-0.197 χ^2/NDF:329.7/12

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

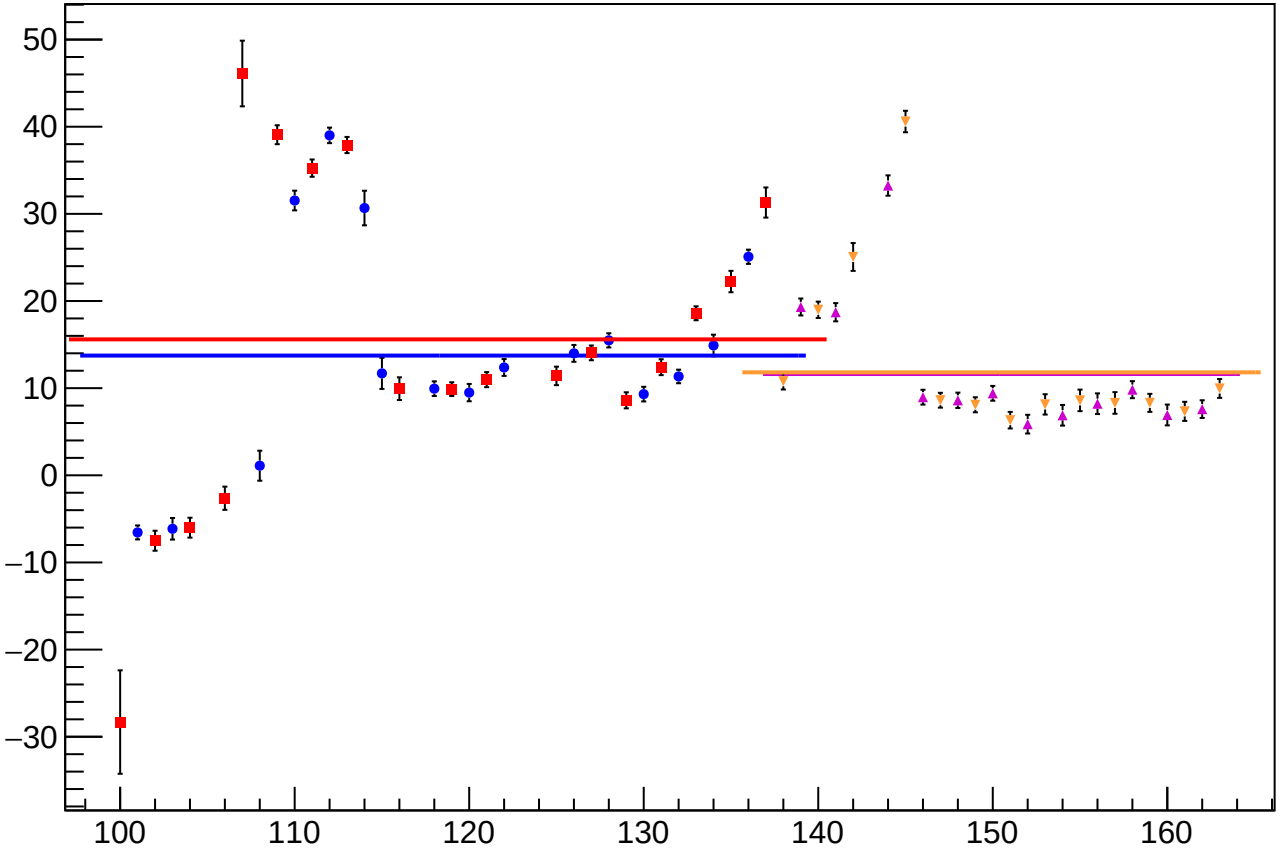
Left In: 1.668+/-0.202 χ^2/NDF:142.0/11

+ sign 3.313+/-0.147 χ^2/NDF: 735.8/28

All: 3.305+/-0.105 χ^2/NDF: 1268.1/58

- sign 3.296+/-0.150 χ^2/NDF: 532.3/29

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.814+/-0.291 χ^2/NDF:796.1/12

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

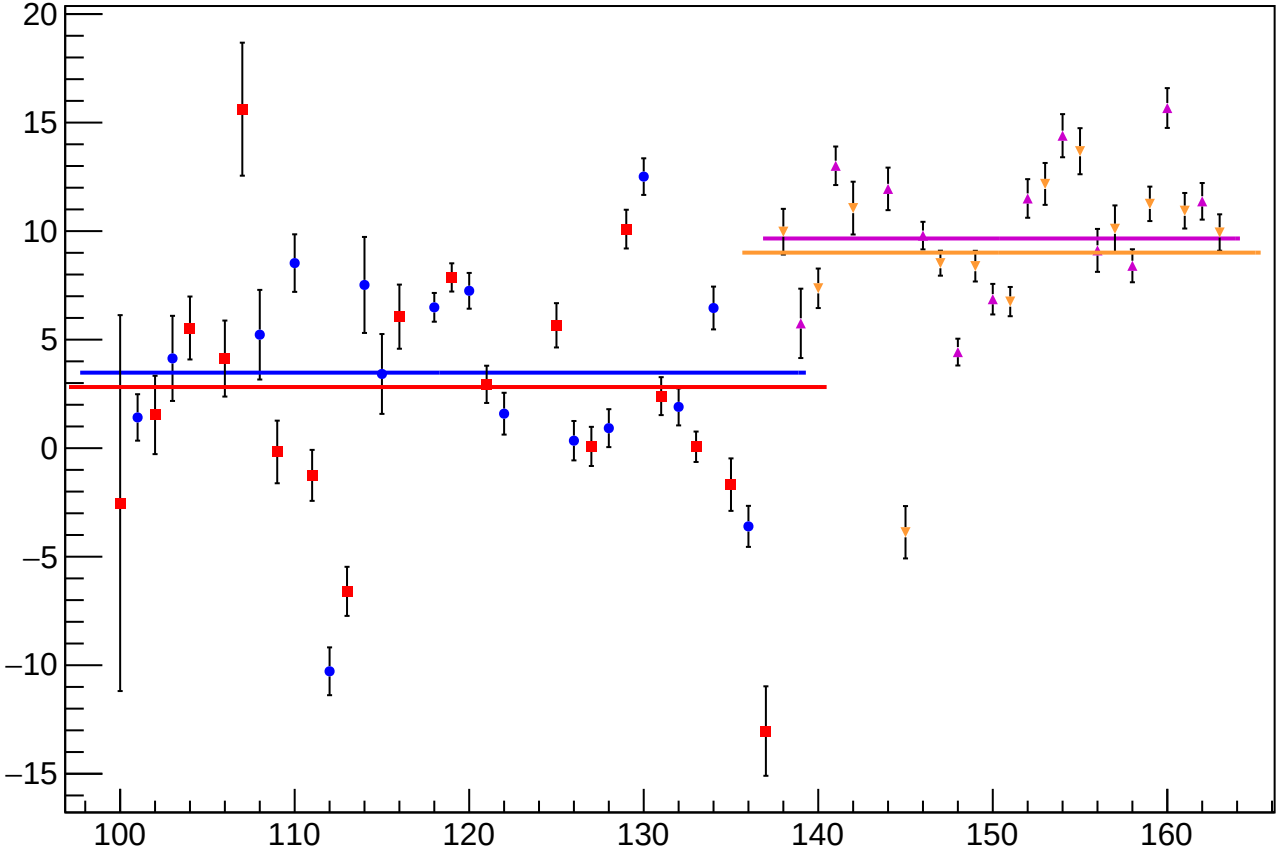
Left In: 11.623+/-0.291 χ^2/NDF:567.9/11

+ sign 12.934+/-0.188 χ^2/NDF: 3171.3/28

All: 13.419+/-0.134 χ^2/NDF: 6686.2/58

- sign 13.913+/-0.190 χ^2/NDF: 3501.4/29

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.009+/-0.236 χ^2/NDF:179.7/12

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

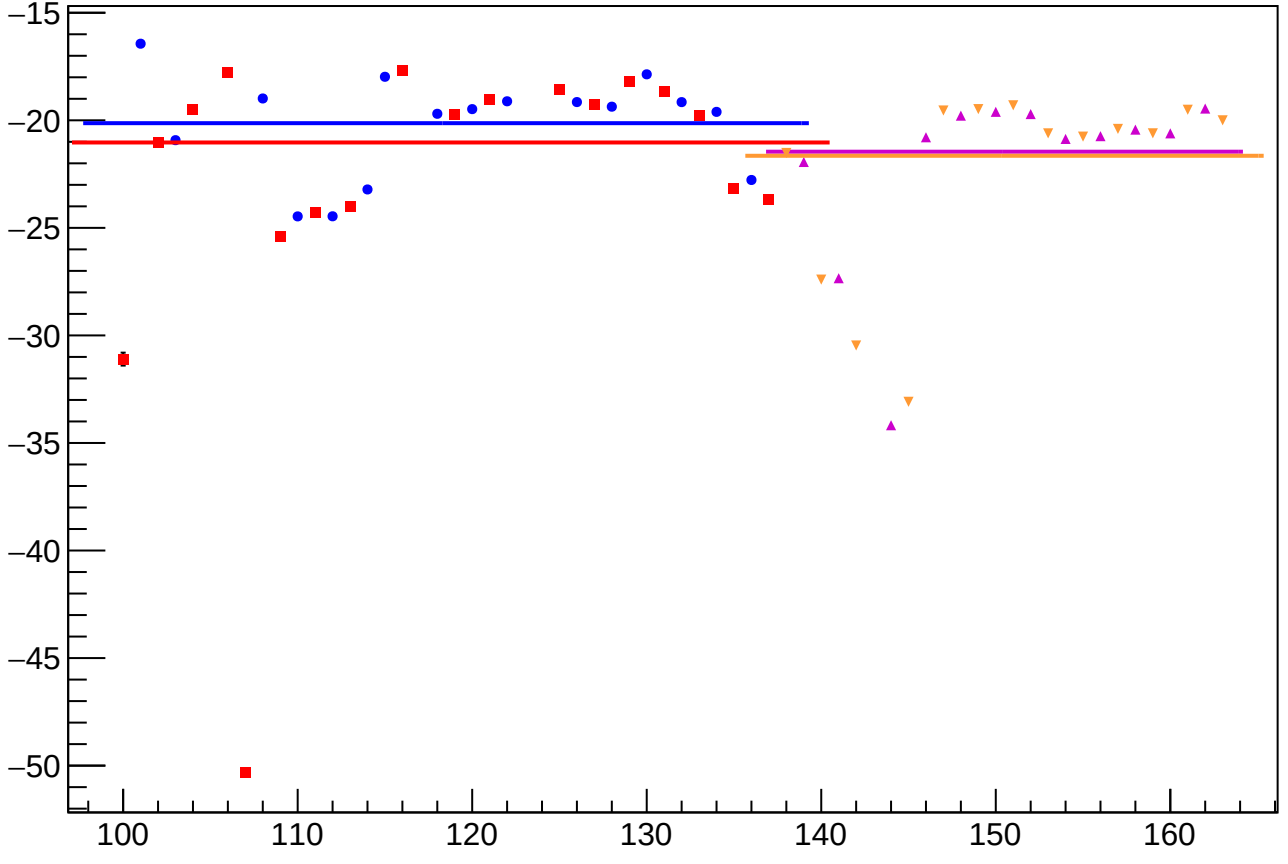
Left In: 9.660+/-0.239 χ^2/NDF:190.5/11

+ sign 6.448+/-0.173 χ^2/NDF: 862.4/28

All: 6.466+/-0.123 χ^2/NDF: 1777.4/58

- sign 6.484+/-0.175 χ^2/NDF: 914.9/29

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.649+/-0.011 χ^2/NDF:110974.9/12

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

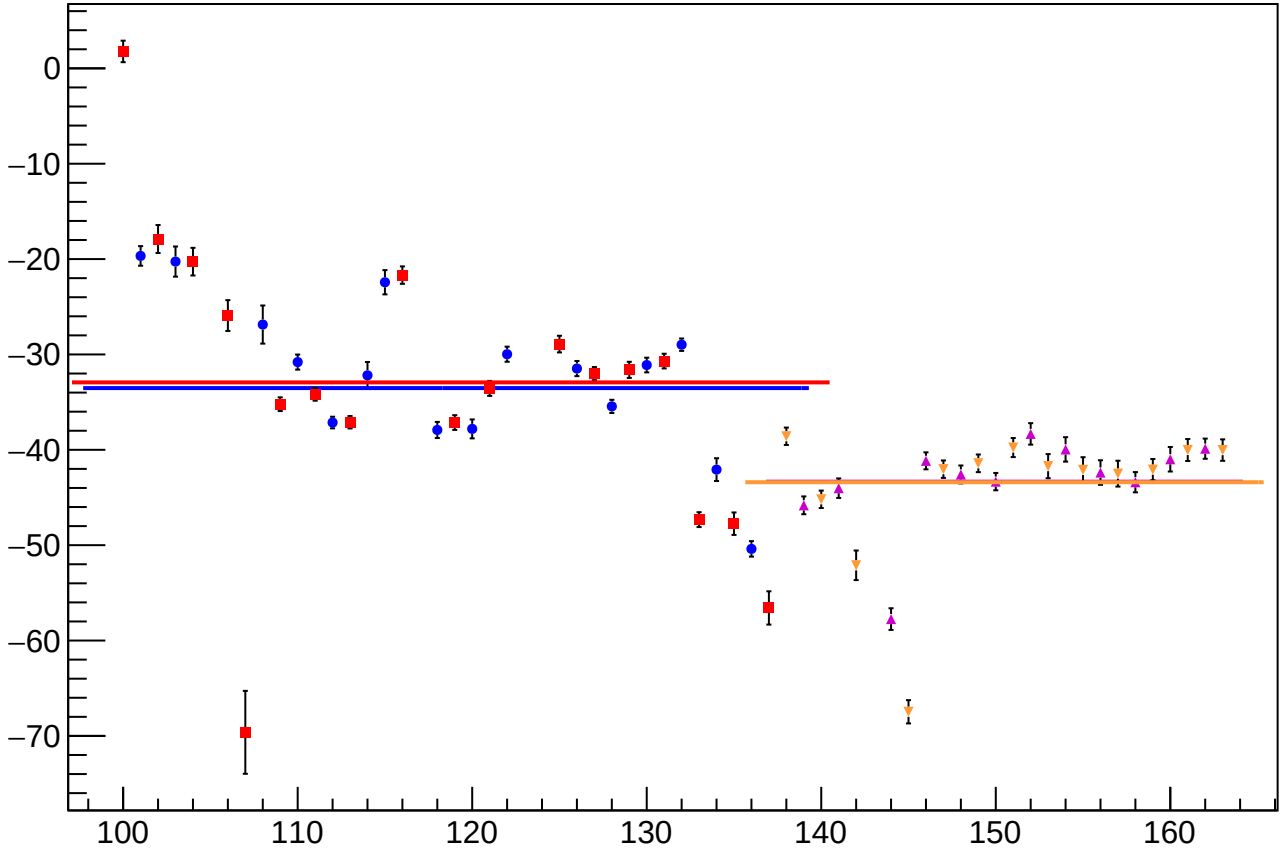
Left In: -21.459+/-0.011 χ^2/NDF:90138.5/11

+ sign -21.154+/-0.009 χ^2/NDF: 136840.9/28

All: -21.240+/-0.006 χ^2/NDF: 285150.0/58

- sign -21.327+/-0.009 χ^2/NDF: 148131.2/29

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -43.399+/-0.302 χ^2/NDF:494.8/12

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

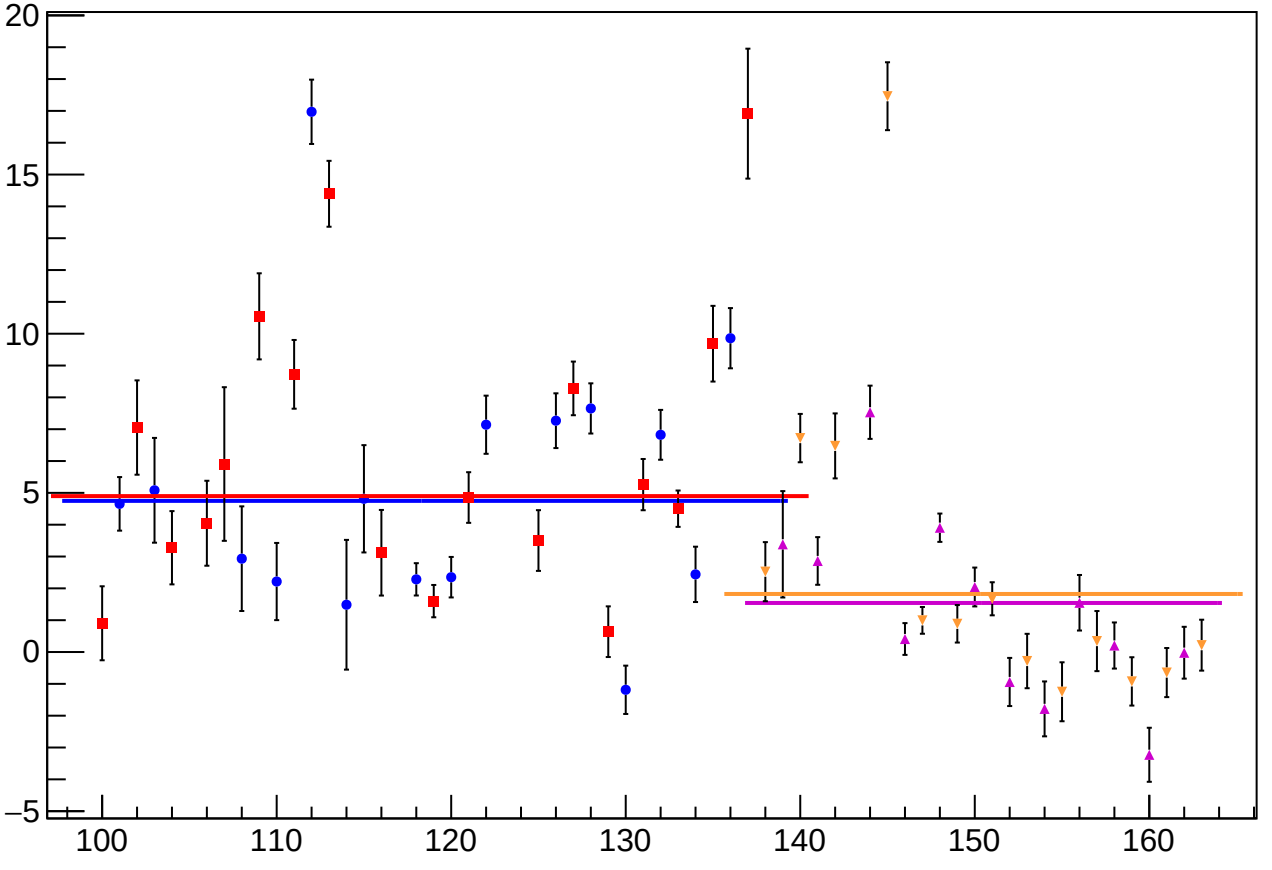
Left In: -43.342+/-0.303 χ^2/NDF:216.5/11

+ sign -36.914+/-0.177 χ^2/NDF: 2203.8/28

All: -36.620+/-0.124 χ^2/NDF: 5387.7/58

- sign -36.337+/-0.174 χ^2/NDF: 3178.5/29

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.824+/-0.198 χ^2/NDF:331.3/12

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

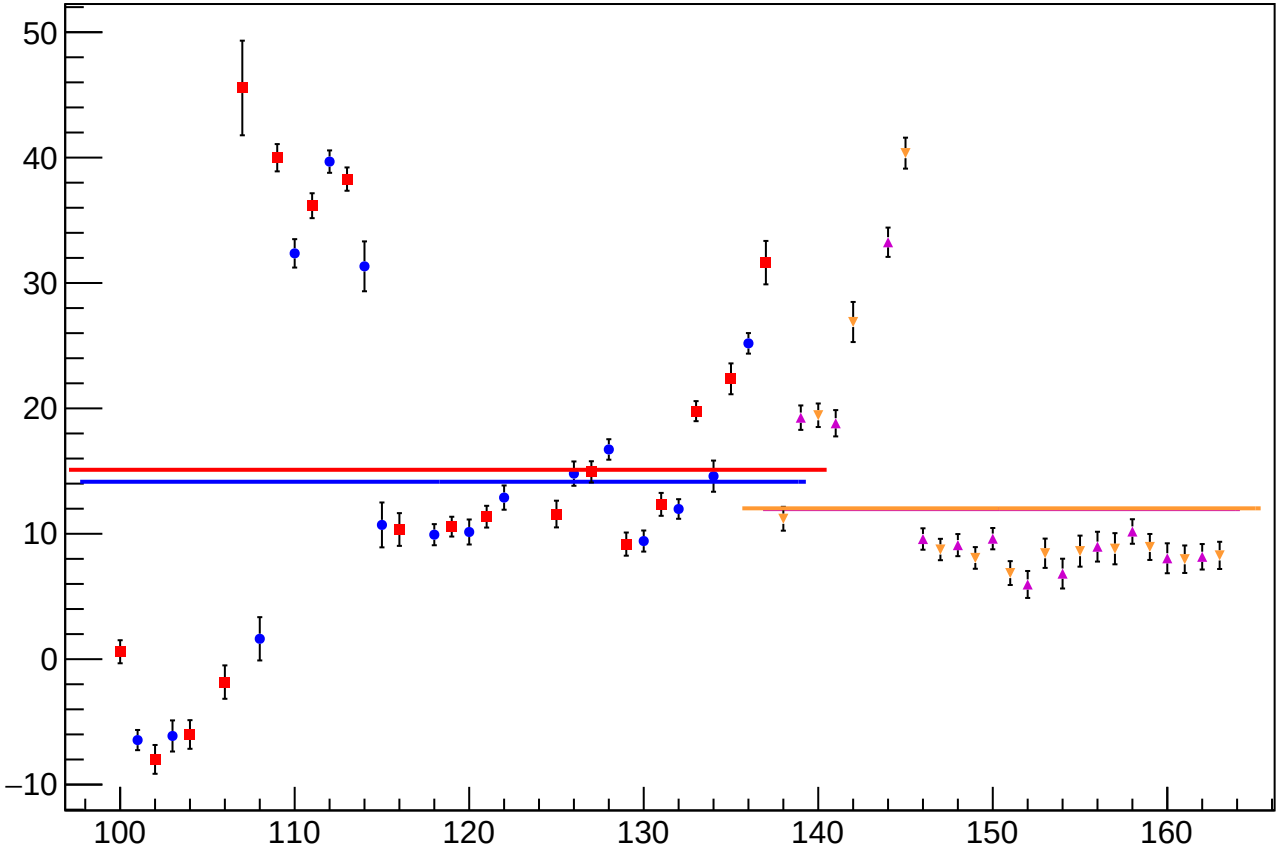
Left In: 1.541+/-0.202 χ^2/NDF:154.0/11

+ sign 3.132+/-0.147 χ^2/NDF: 754.9/28

All: 3.104+/-0.105 χ^2/NDF: 1308.6/58

- sign 3.077+/-0.149 χ^2/NDF: 553.6/29

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.029+/-0.292 χ^2/NDF:799.2/12

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

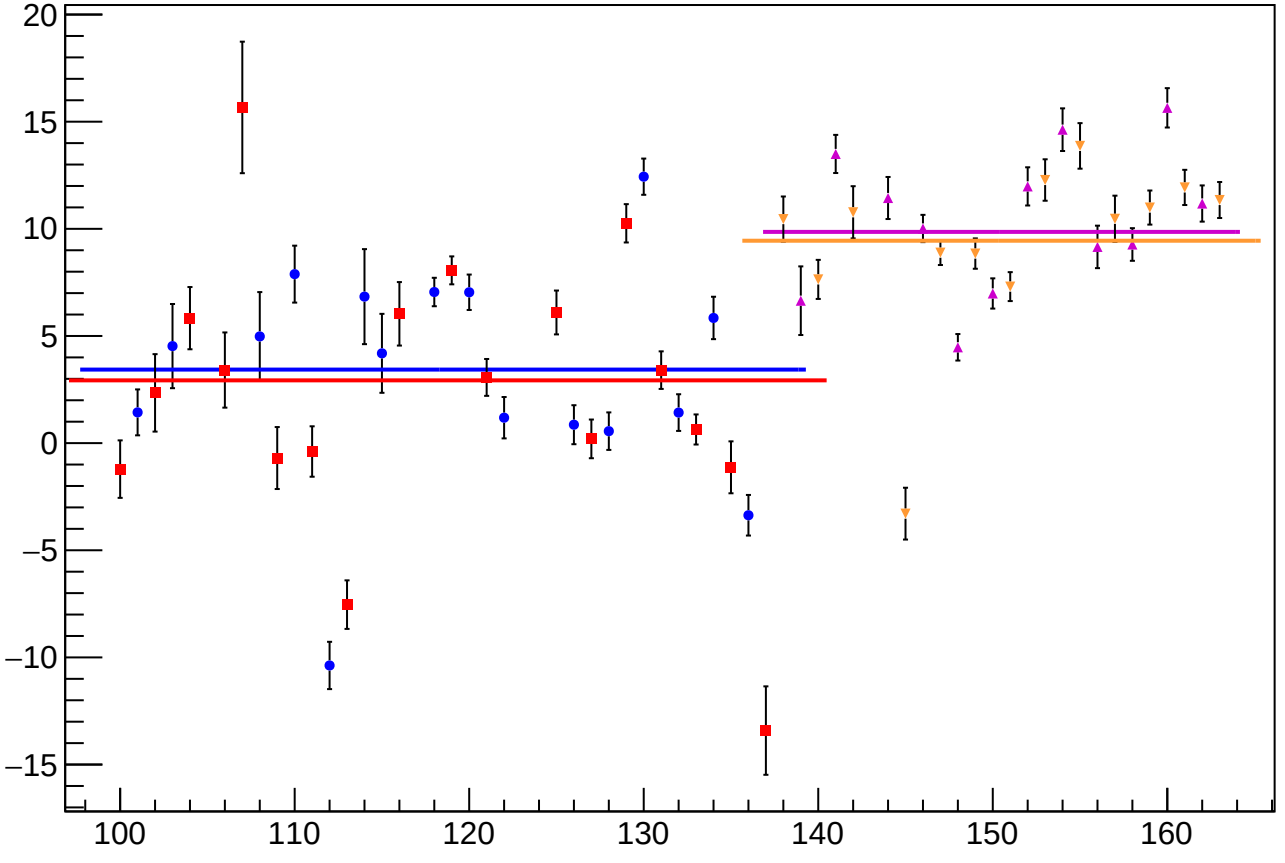
Left In: 11.968+/-0.292 χ^2/NDF:540.8/11

+ sign 13.263+/-0.189 χ^2/NDF: 3232.3/28

All: 13.548+/-0.133 χ^2/NDF: 6948.2/58

- sign 13.826+/-0.186 χ^2/NDF: 3711.4/29

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.445+/-0.236 χ^2/NDF:173.6/12

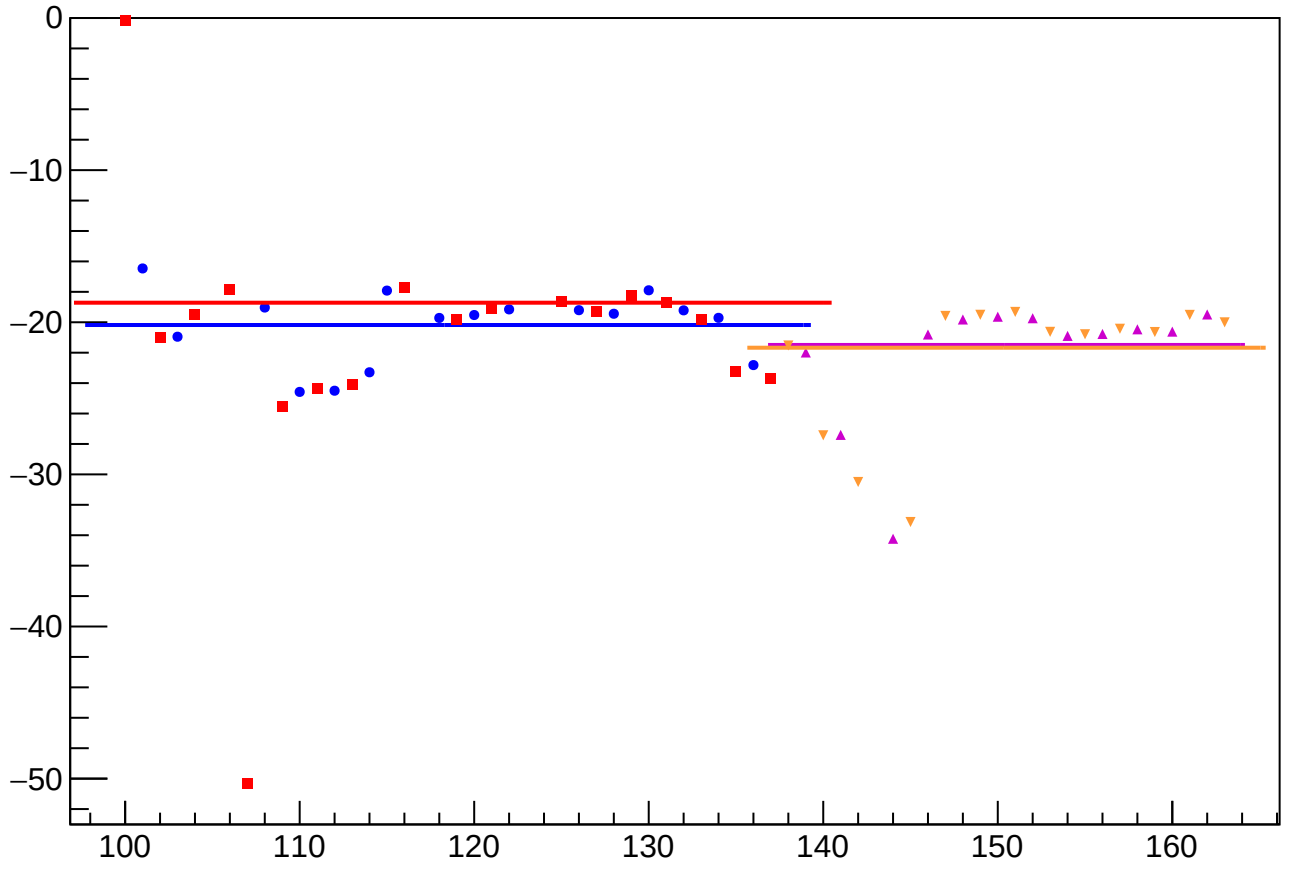
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.857+/-0.240 χ^2/NDF:187.7/11

+ sign 6.661+/-0.173 χ^2/NDF: 898.1/28

All: 6.622+/-0.123 χ^2/NDF: 1848.0/58

- sign 6.582+/-0.174 χ^2/NDF: 949.8/29



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.673+/-0.011 χ^2/NDF:110810.2/12

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

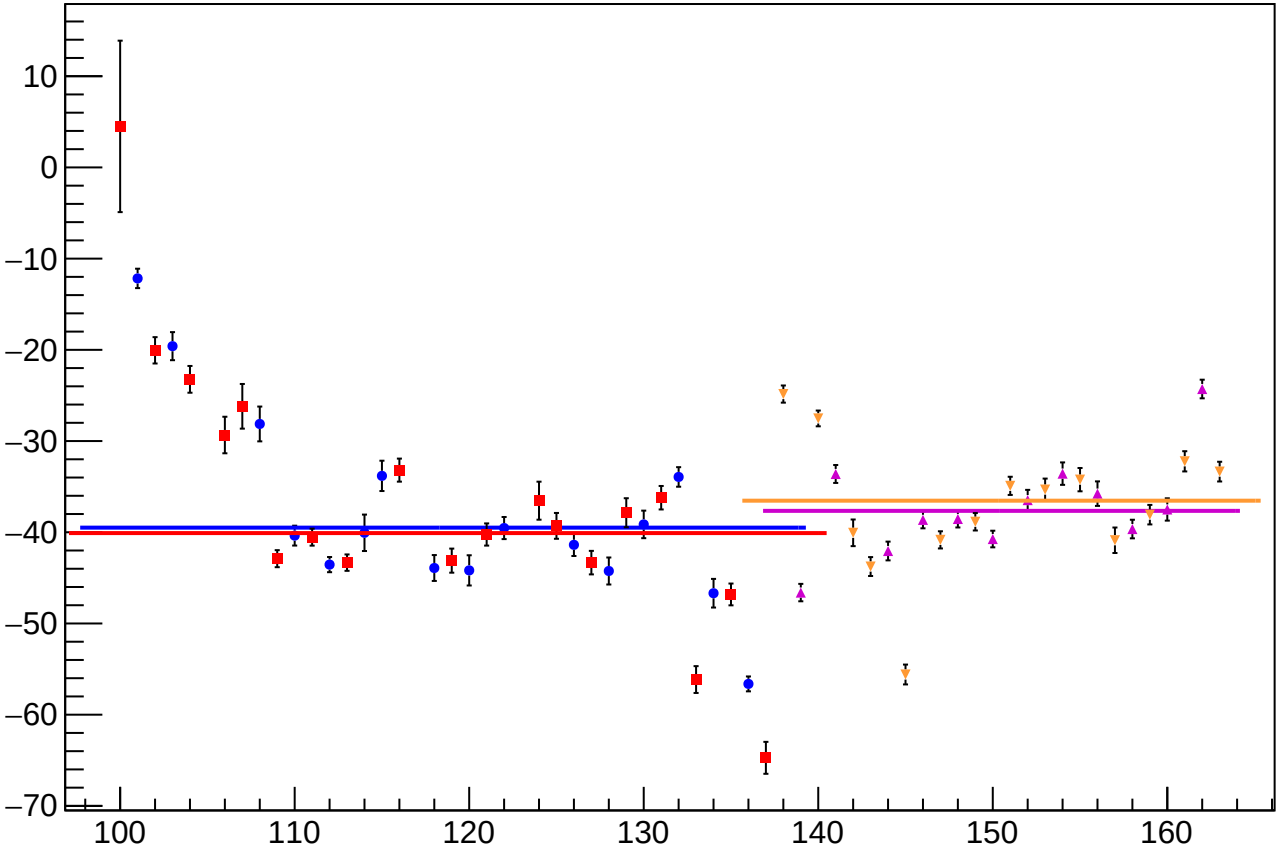
Left In: -21.492+/-0.011 χ^2/NDF:90315.4/11

+ sign -21.186+/-0.009 χ^2/NDF: 136496.3/28

All: -20.869+/-0.006 χ^2/NDF: 485035.7/58

- sign -20.564+/-0.009 χ^2/NDF: 346191.4/29

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.538+/-0.285 χ^2/NDF:693.1/13

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

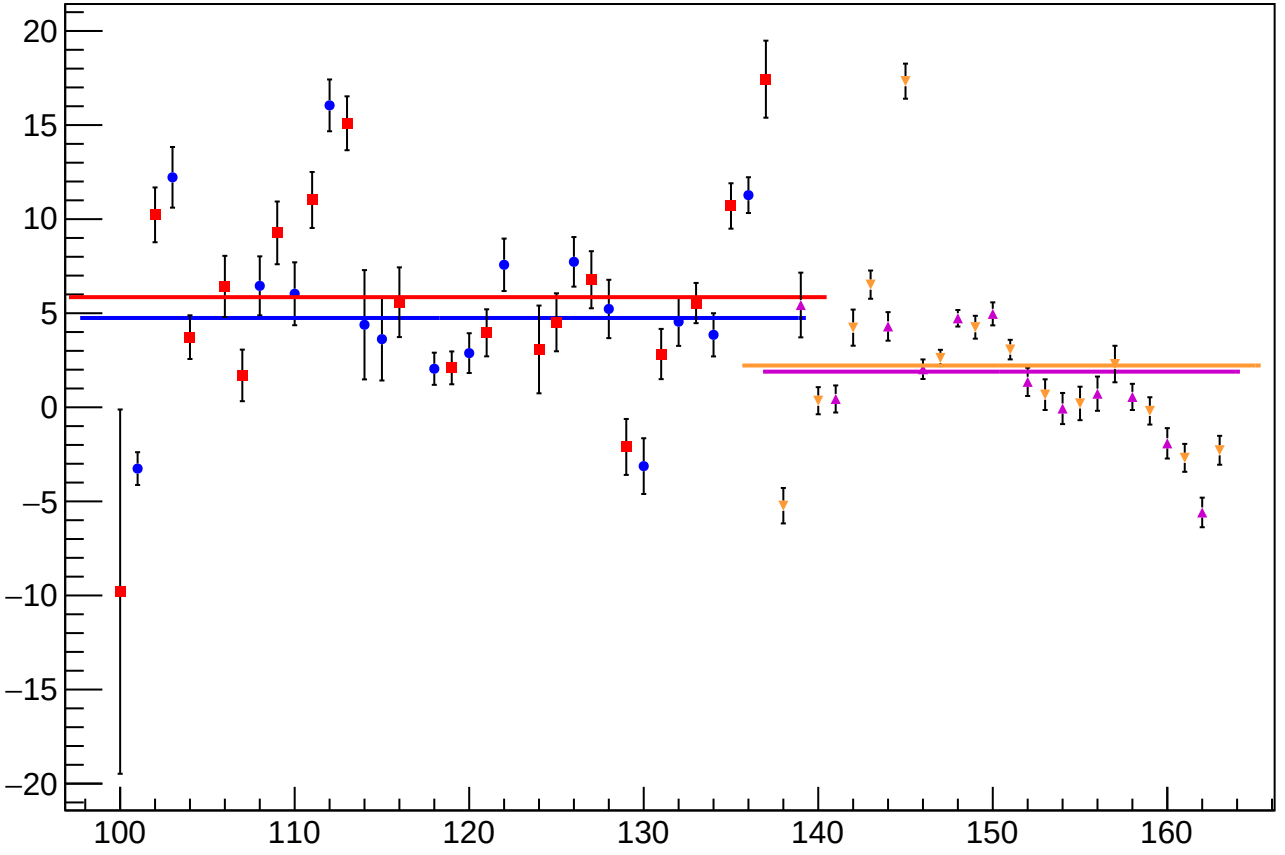
Left In: -37.653+/-0.299 χ^2/NDF:325.8/11

+ sign -37.889+/-0.210 χ^2/NDF: 2159.3/29

All: -38.355+/-0.150 χ^2/NDF: 3362.4/60

- sign -38.839+/-0.214 χ^2/NDF: 1193.1/30

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.222+/-0.189 χ^2/NDF:481.9/13

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

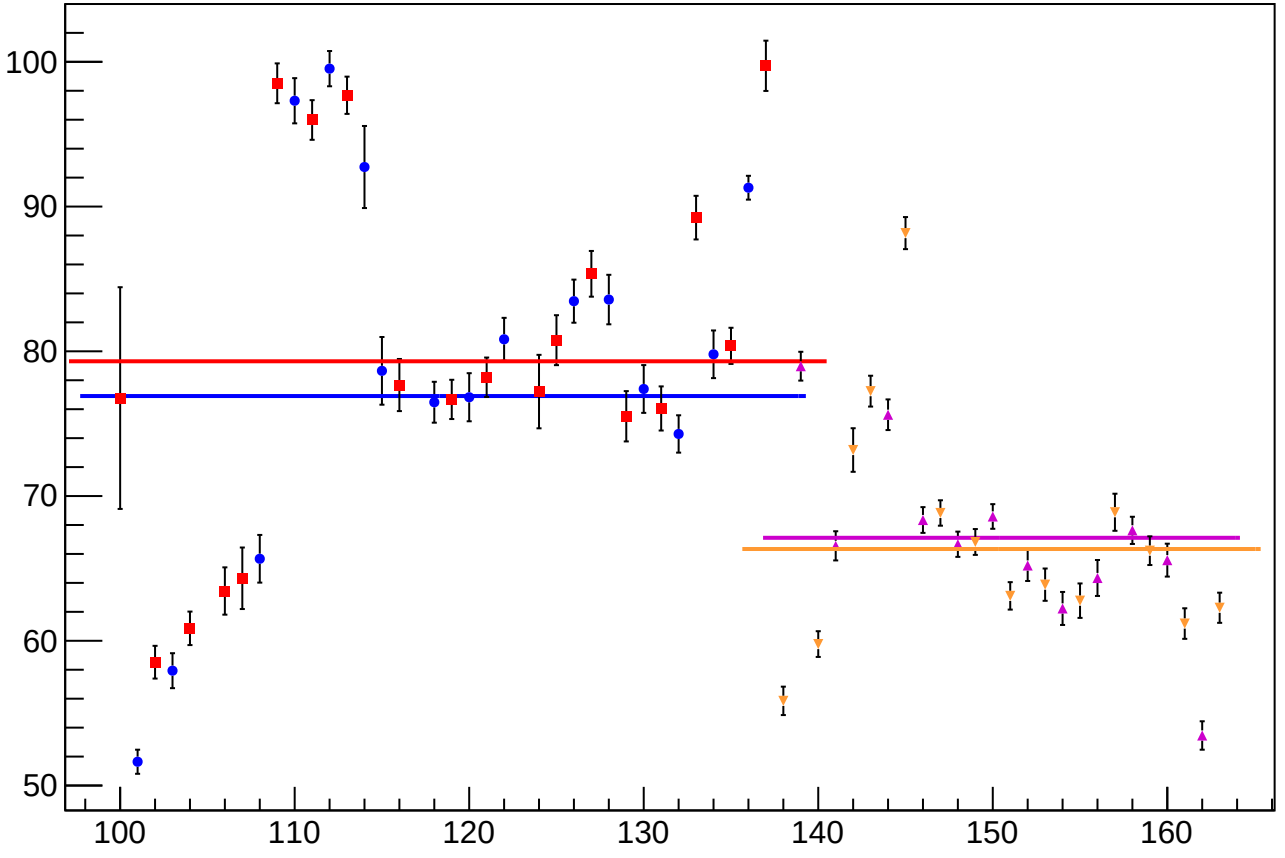
Left In: 1.894+/-0.199 χ^2/NDF:209.6/11

\+ sign 2.887+/-0.162 χ^2/NDF: 802.8/29

All: 2.932+/-0.117 χ^2/NDF: 1308.6/60

\- sign 2.981+/-0.170 χ^2/NDF: 505.7/30

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 66.341+/-0.277 χ^2/NDF:759.0/13

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

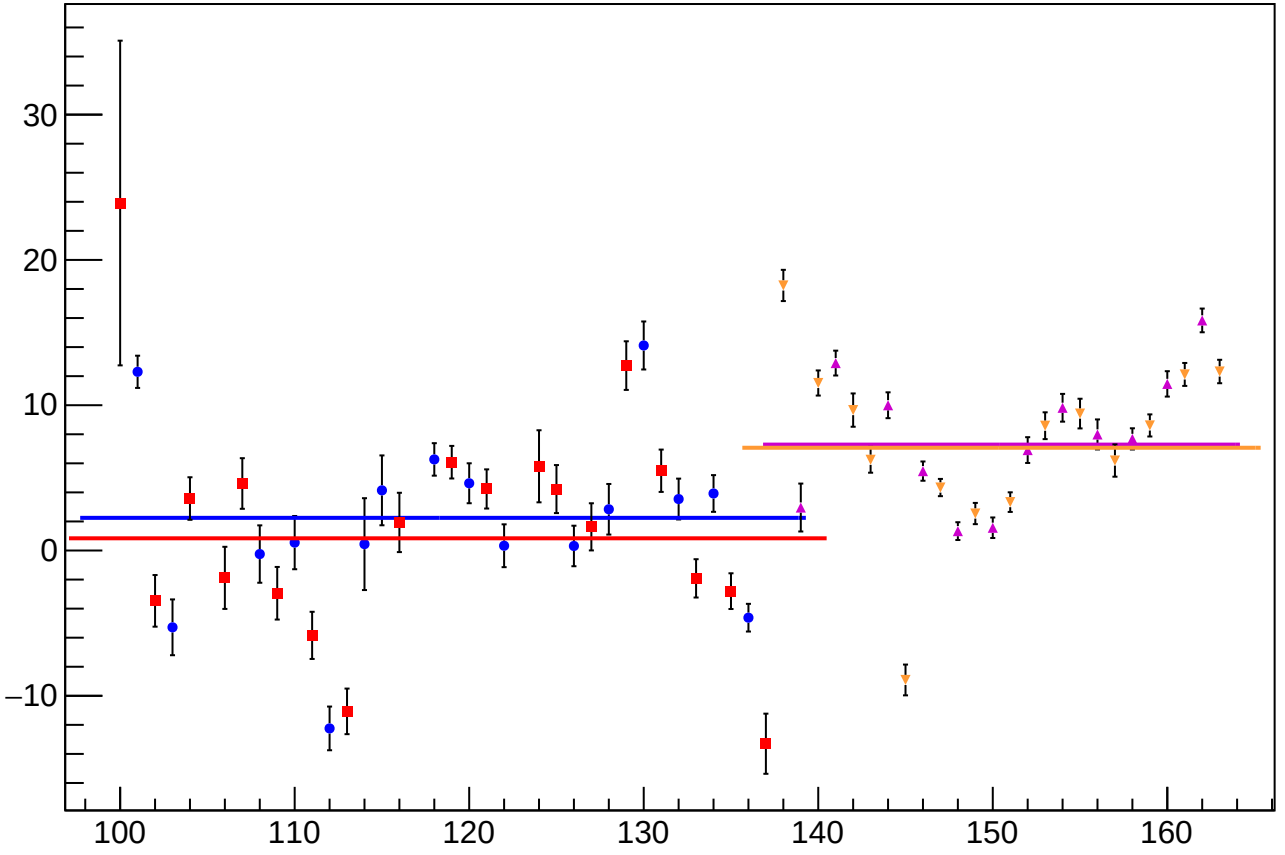
Left In: 67.115+/-0.288 χ^2/NDF:433.9/11

+ sign 70.599+/-0.214 χ^2/NDF: 3462.6/29

All: 71.308+/-0.154 χ^2/NDF: 6145.4/60

- sign 72.071+/-0.222 χ^2/NDF: 2660.0/30

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.072+/-0.225 χ^2/NDF:554.2/13

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

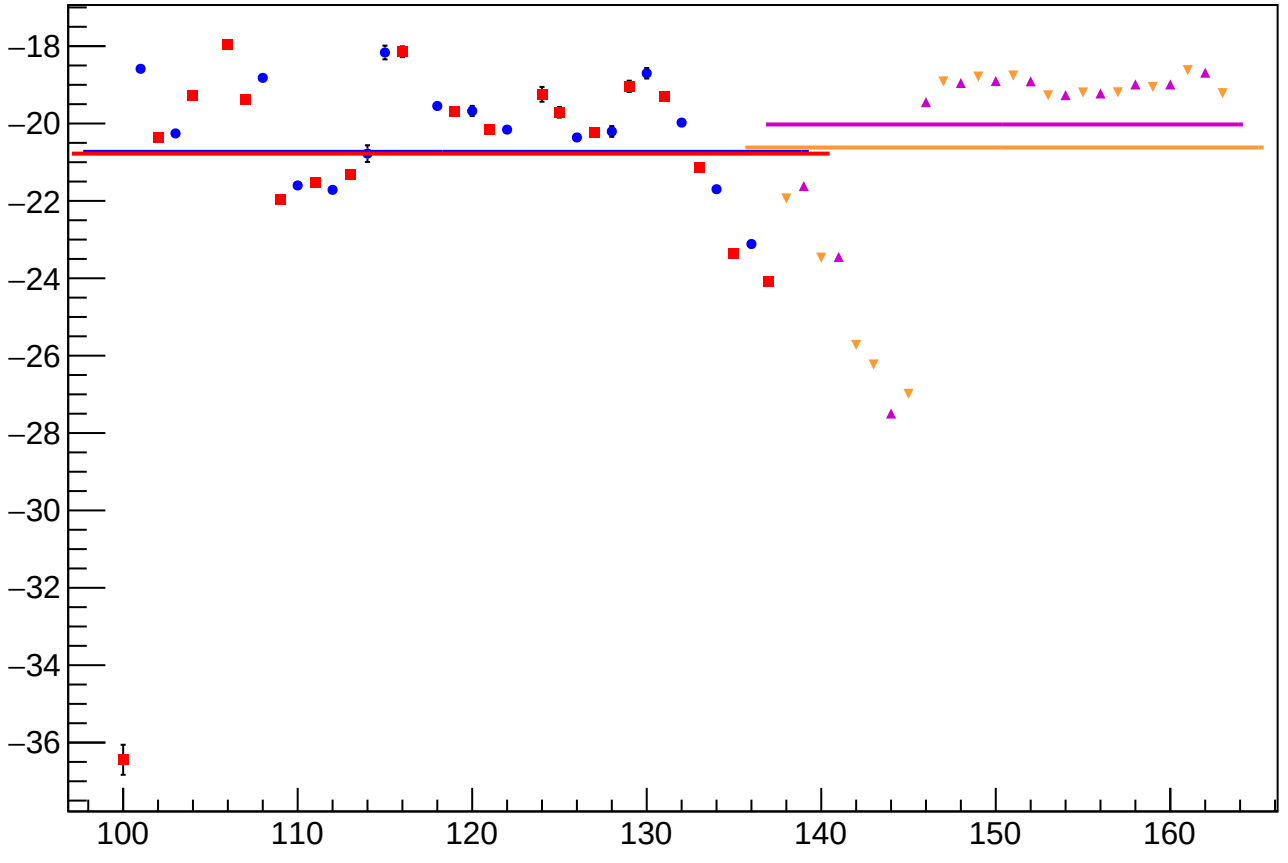
Left In: 7.289+/-0.236 χ^2/NDF:367.5/11

+ sign 5.738+/-0.191 χ^2/NDF: 1001.5/29

All: 5.594+/-0.138 χ^2/NDF: 1840.6/60

- sign 5.437+/-0.199 χ^2/NDF: 837.9/30

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.620+/-0.011 χ^2/NDF:67105.3/13

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

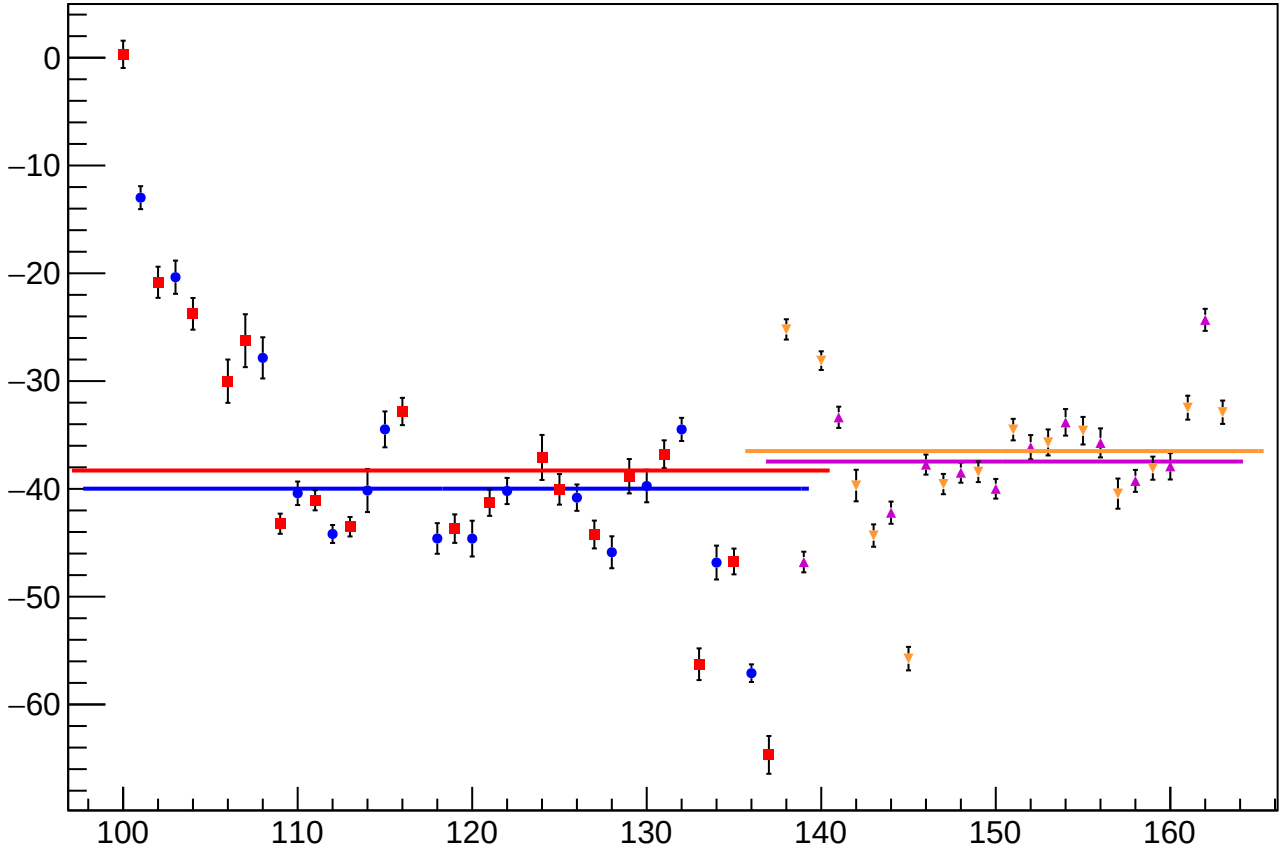
Left In: -20.025+/-0.011 χ^2/NDF:40563.3/11

+ sign -20.646+/-0.009 χ^2/NDF: 74765.3/29

All: -20.426+/-0.007 χ^2/NDF: 126974.2/60

- sign -20.195+/-0.010 χ^2/NDF: 51069.5/30

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.491+/-0.286 χ^2/NDF:666.4/13

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

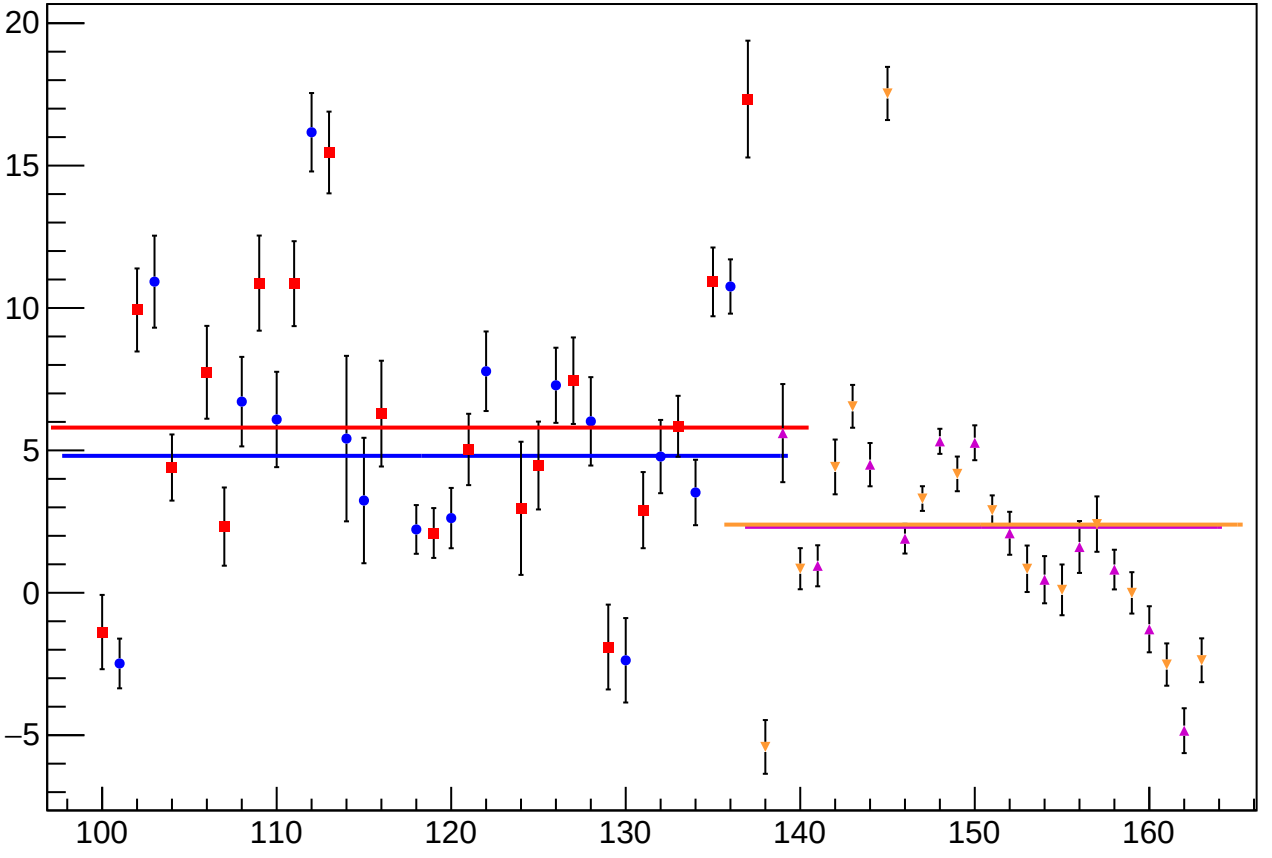
Left In: -37.464+/-0.300 χ^2/NDF:322.6/11

+ sign -38.087+/-0.210 χ^2/NDF: 2133.0/29

All: -37.984+/-0.149 χ^2/NDF: 4233.8/60

- sign -37.880+/-0.212 χ^2/NDF: 2100.2/30

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 2.394+/-0.189 χ^2/NDF:488.1/13

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

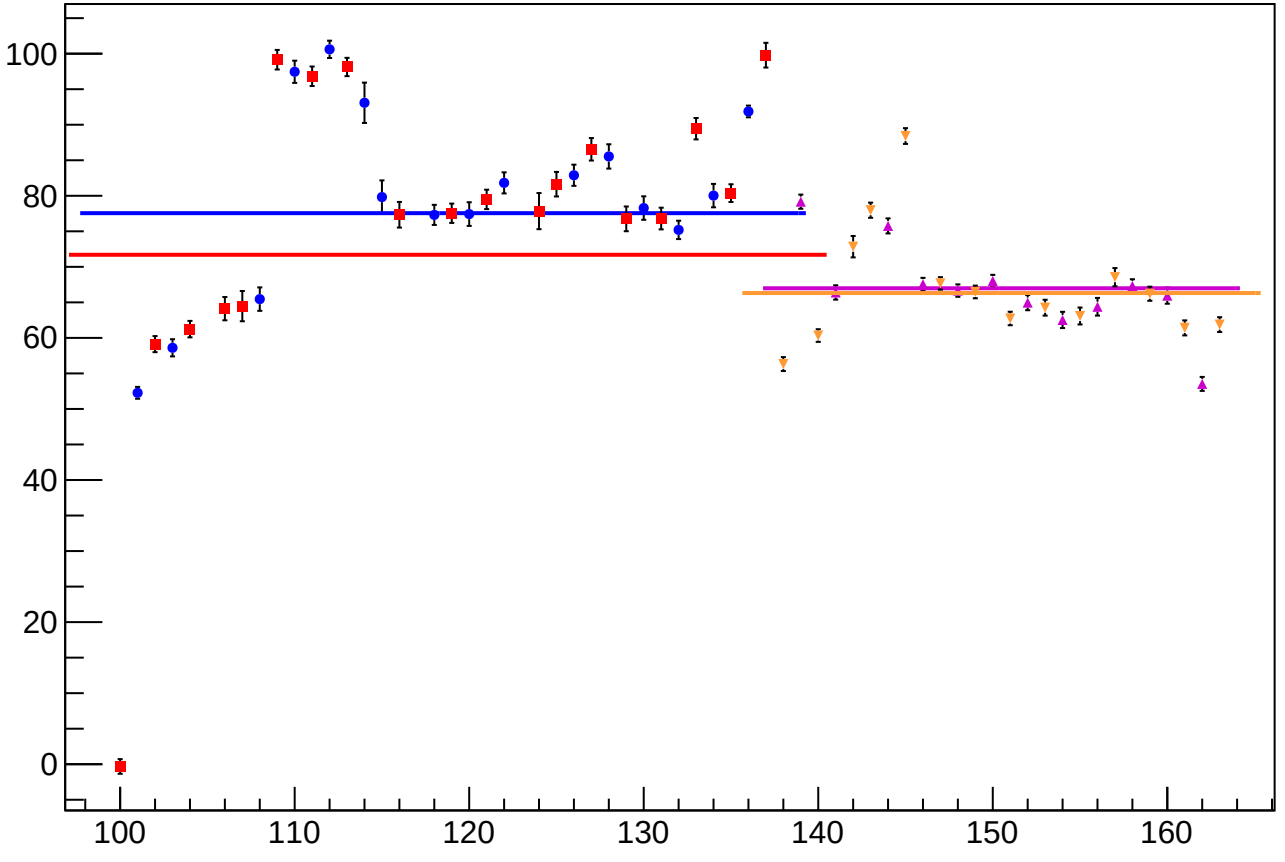
Left In: 2.316+/-0.200 χ^2/NDF:198.6/11

+ sign 3.030+/-0.162 χ^2/NDF: 771.5/29

All: 3.166+/-0.117 χ^2/NDF: 1275.3/60

- sign 3.314+/-0.169 χ^2/NDF: 502.4/30

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 66.314+/-0.277 χ^2/NDF:753.0/13

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

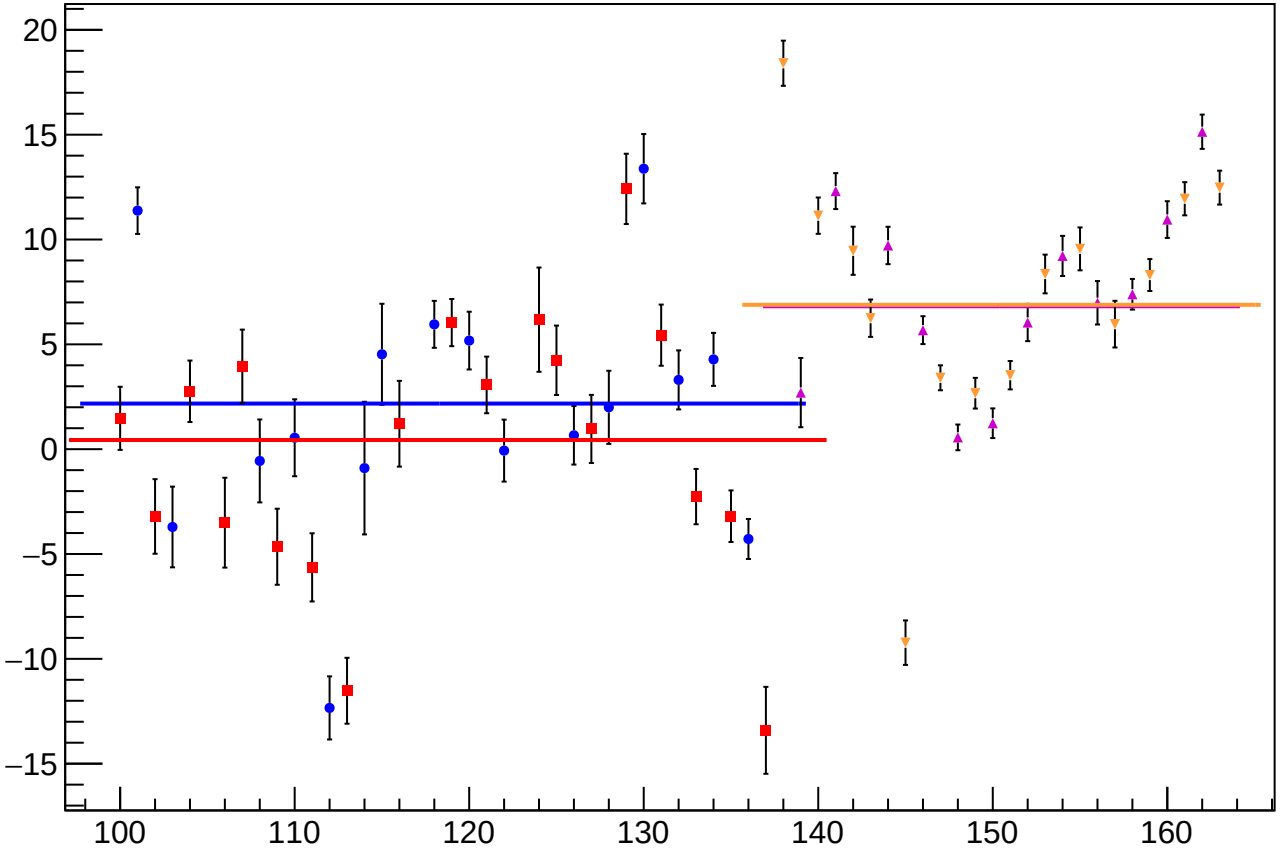
Left In: 66.985+/-0.288 χ^2/NDF:431.5/11

+ sign 70.843+/-0.214 χ^2/NDF: 3534.0/29

All: 69.946+/-0.153 χ^2/NDF: 11020.1/60

- sign 69.022+/-0.217 χ^2/NDF: 7450.6/30

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 6.886+/-0.225 χ^2/NDF:569.1/13

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

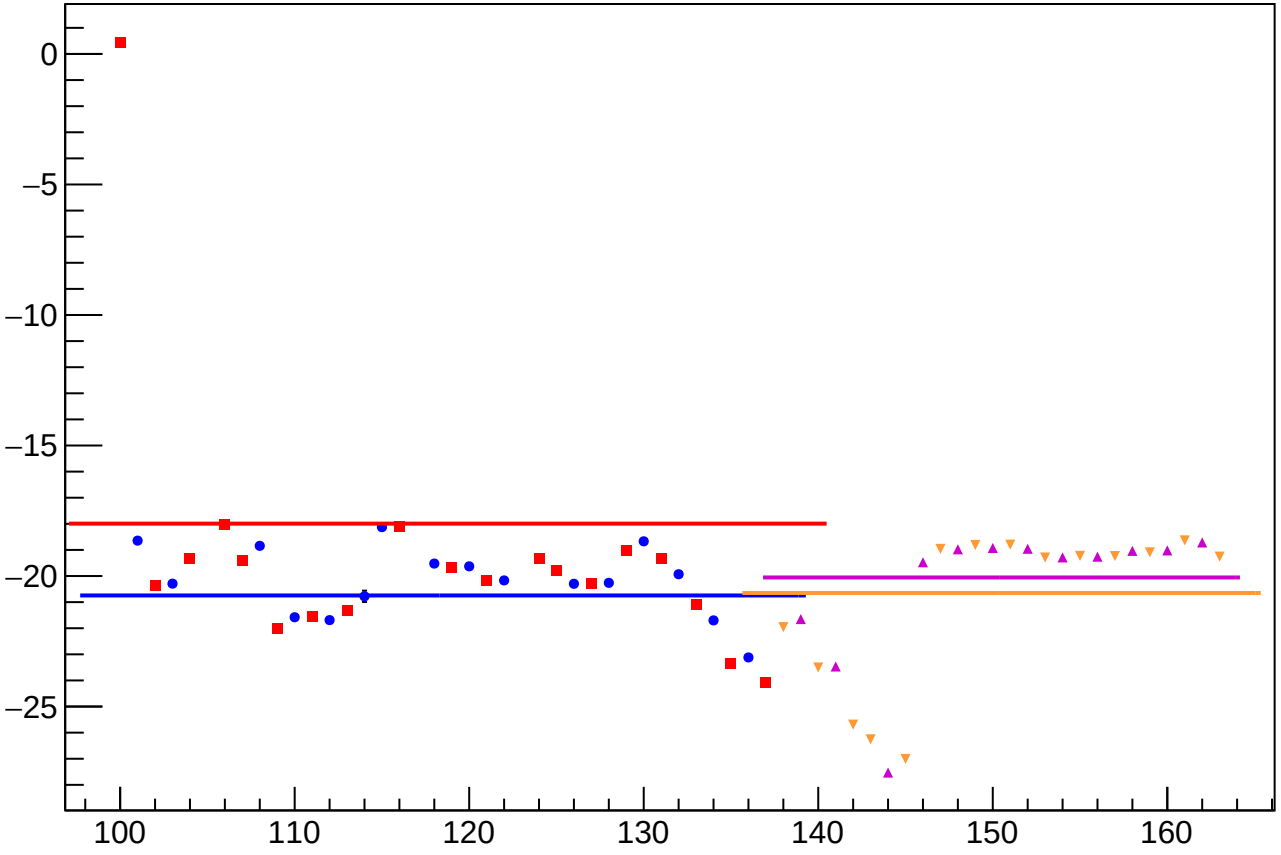
Left In: 6.816+/-0.237 χ^2/NDF:360.7/11

\+ sign 5.582+/-0.191 χ^2/NDF: 980.8/29

All: 5.256+/-0.138 χ^2/NDF: 1819.3/60

\- sign 4.907+/-0.198 χ^2/NDF: 832.4/30

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.649+/-0.011 χ^2/NDF:66632.1/13

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

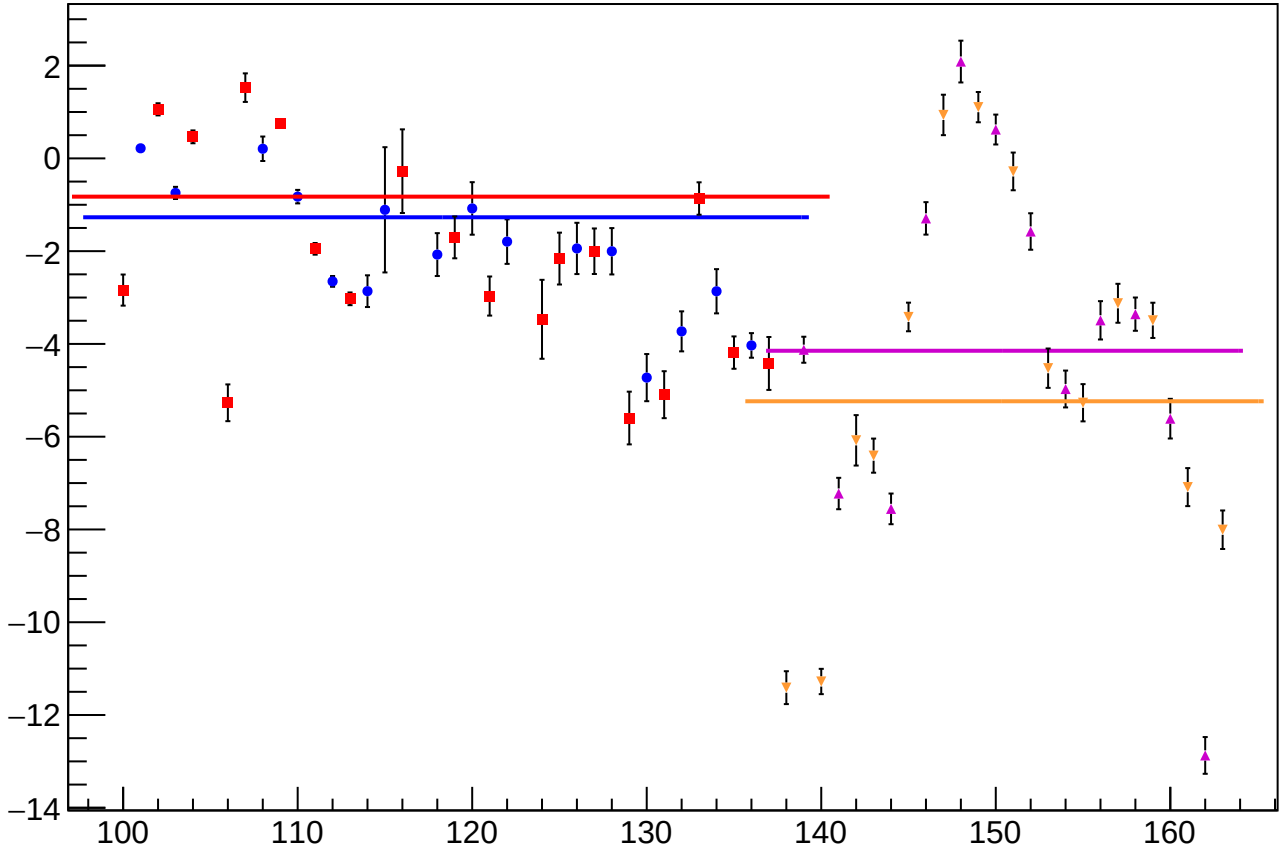
Left In: -20.055+/-0.011 χ^2/NDF:40391.5/11

+ sign -20.671+/-0.009 χ^2/NDF: 74164.3/29

All: -20.111+/-0.007 χ^2/NDF: 281340.0/60

- sign -19.539+/-0.009 χ^2/NDF: 199917.7/30

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.236+/-0.100 χ^2/NDF:1682.0/13

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

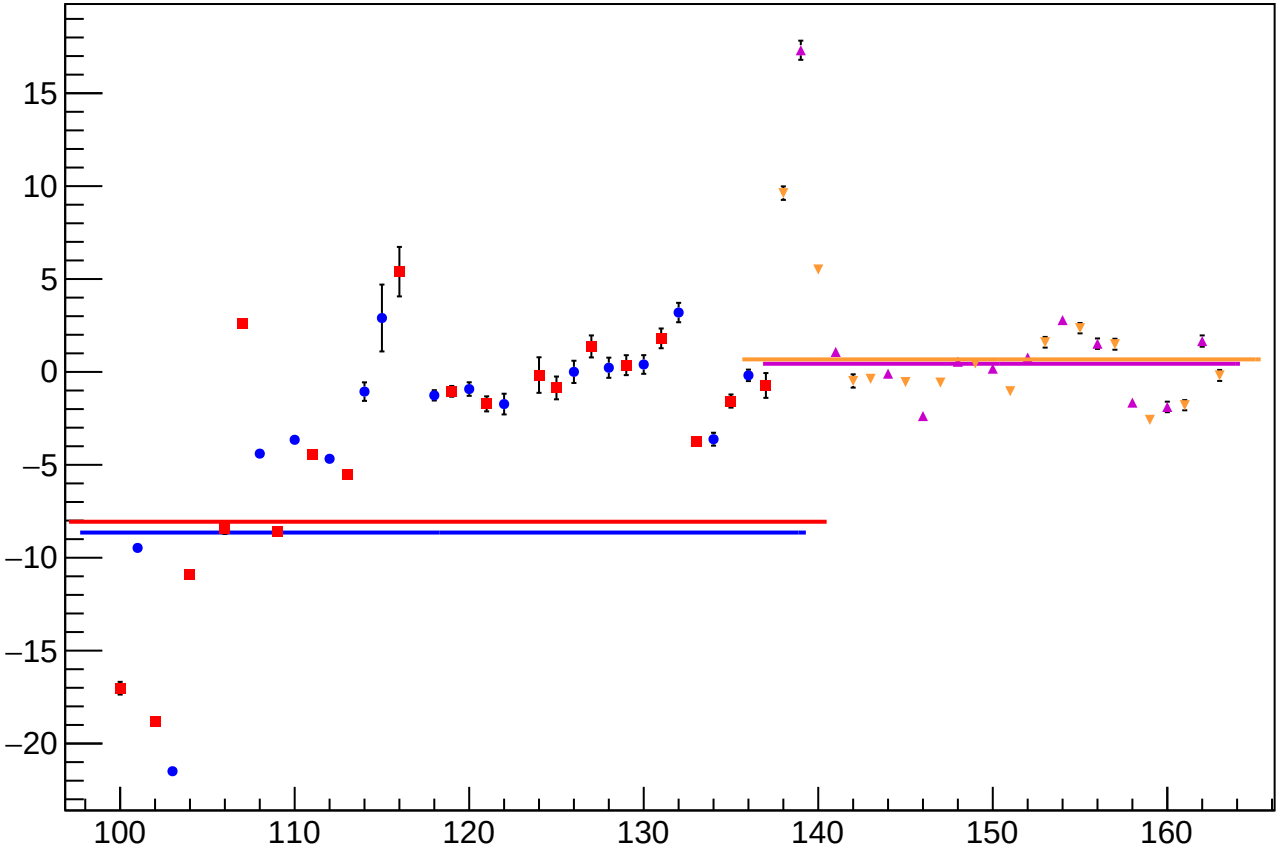
Left In: -4.147+/-0.105 χ^2/NDF:1217.1/11

+ sign -2.175+/-0.048 χ^2/NDF: 3506.6/29

All: -1.805+/-0.033 χ^2/NDF: 7038.9/60

- sign -1.465+/-0.046 χ^2/NDF: 3417.5/30

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.675+/-0.070 χ^2/NDF:1494.8/13

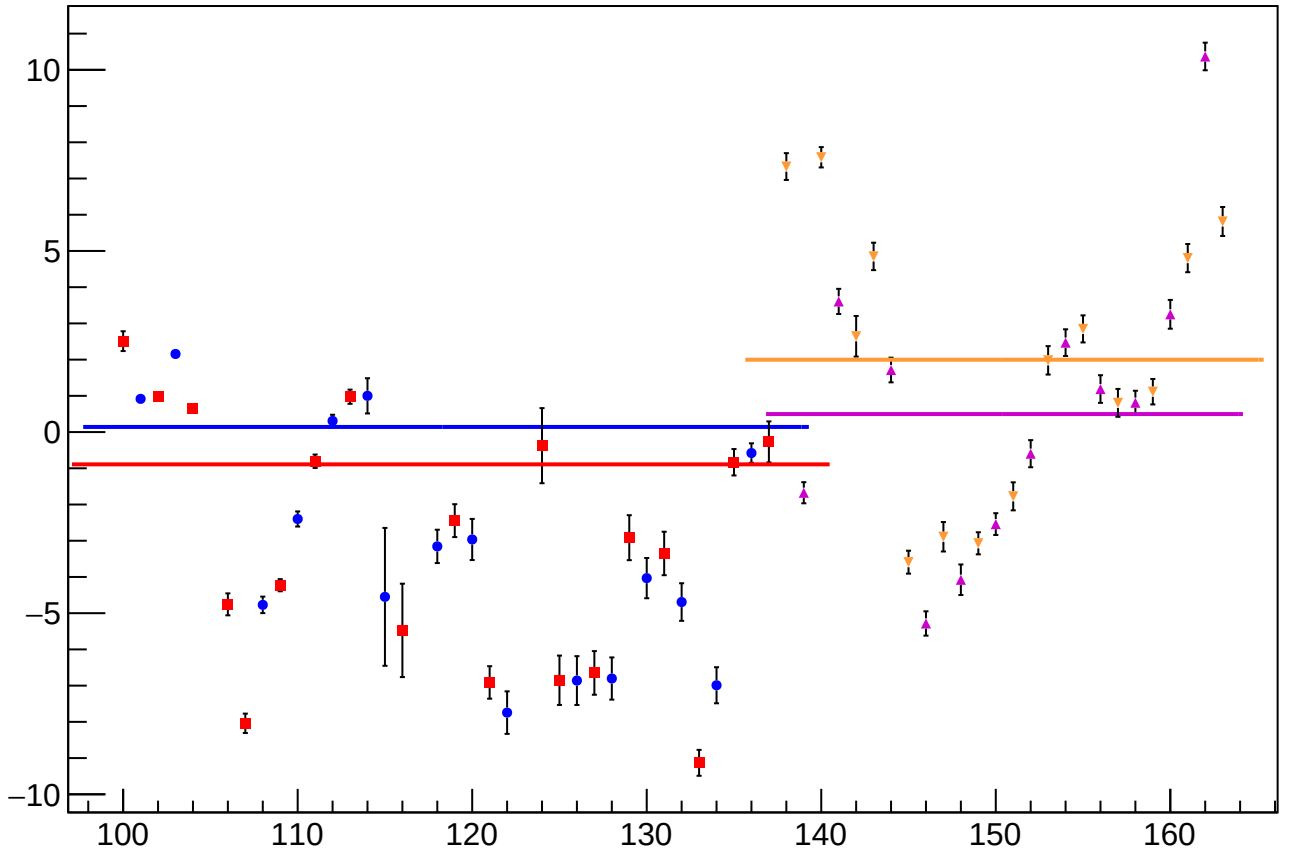
Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.440+/-0.074 χ^2/NDF:1510.3/11

+ sign -4.917+/-0.044 χ^2/NDF: 26040.0/29

All: -4.895+/-0.032 χ^2/NDF: 50184.3/60

- sign -4.872+/-0.045 χ^2/NDF: 24143.9/30



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.098 χ^2/NDF:1654.1/13

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

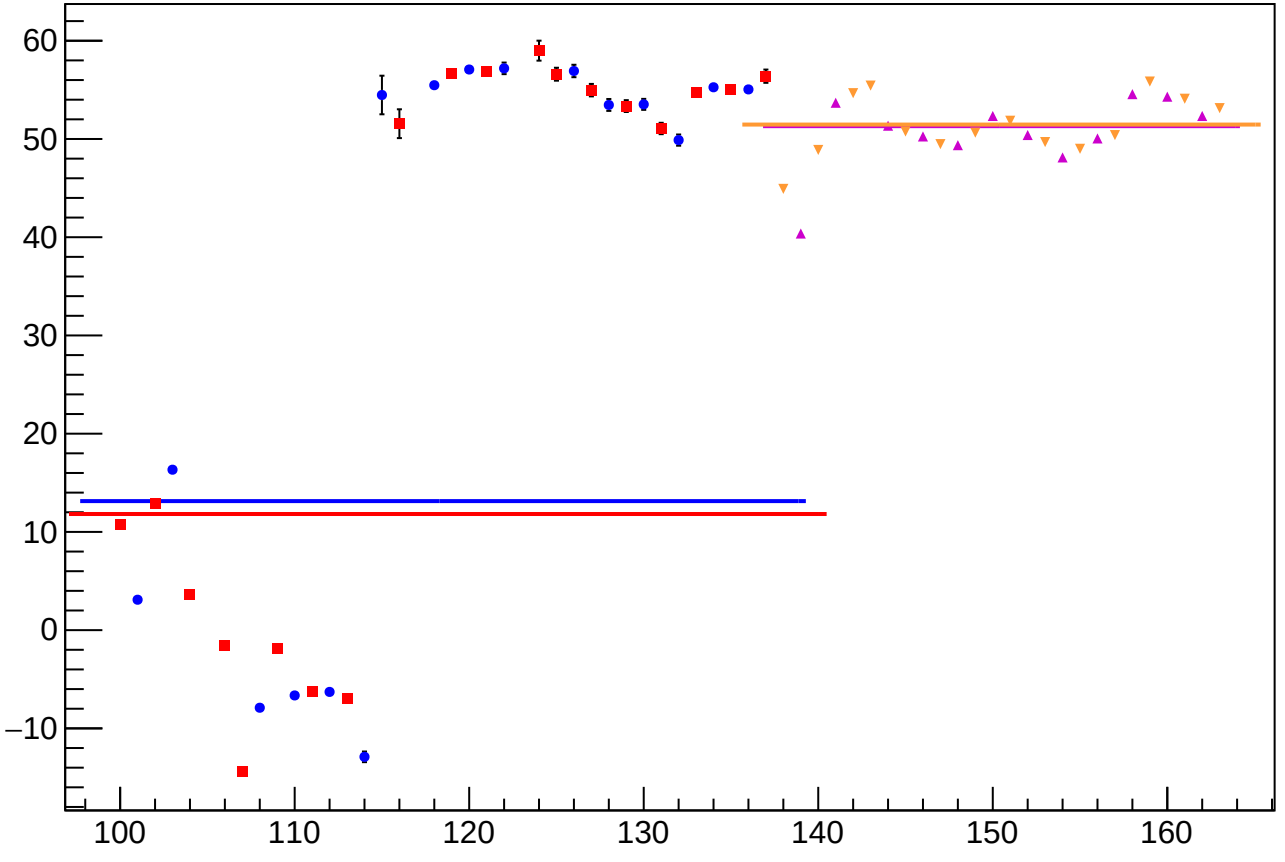
Left In: 0.497+/-0.101 χ^2/NDF:1424.2/11

+ sign 0.563+/-0.047 χ^2/NDF: 3893.3/29

All: -0.001+/-0.033 χ^2/NDF: 8750.1/60

- sign -0.586+/-0.047 χ^2/NDF: 4557.2/30

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.468+/-0.081 χ^2/NDF:1096.2/13

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

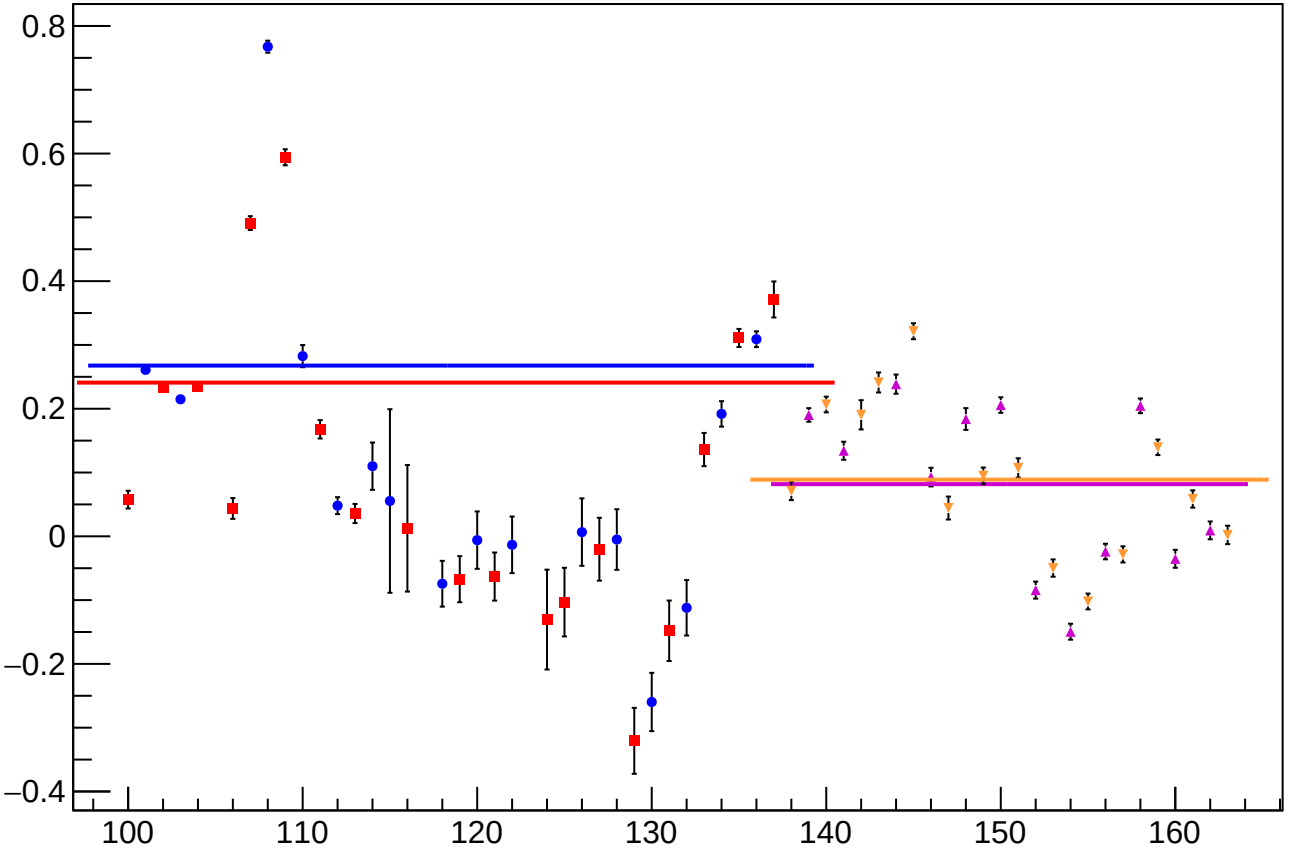
Left In: 51.305+/-0.086 χ^2/NDF:1024.6/11

+ sign 28.867+/-0.052 χ^2/NDF: 240294.1/29

All: 27.951+/-0.037 χ^2/NDF: 490266.7/60

- sign 26.997+/-0.053 χ^2/NDF: 249342.8/30

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.089+/-0.004 χ^2/NDF:1047.3/13

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

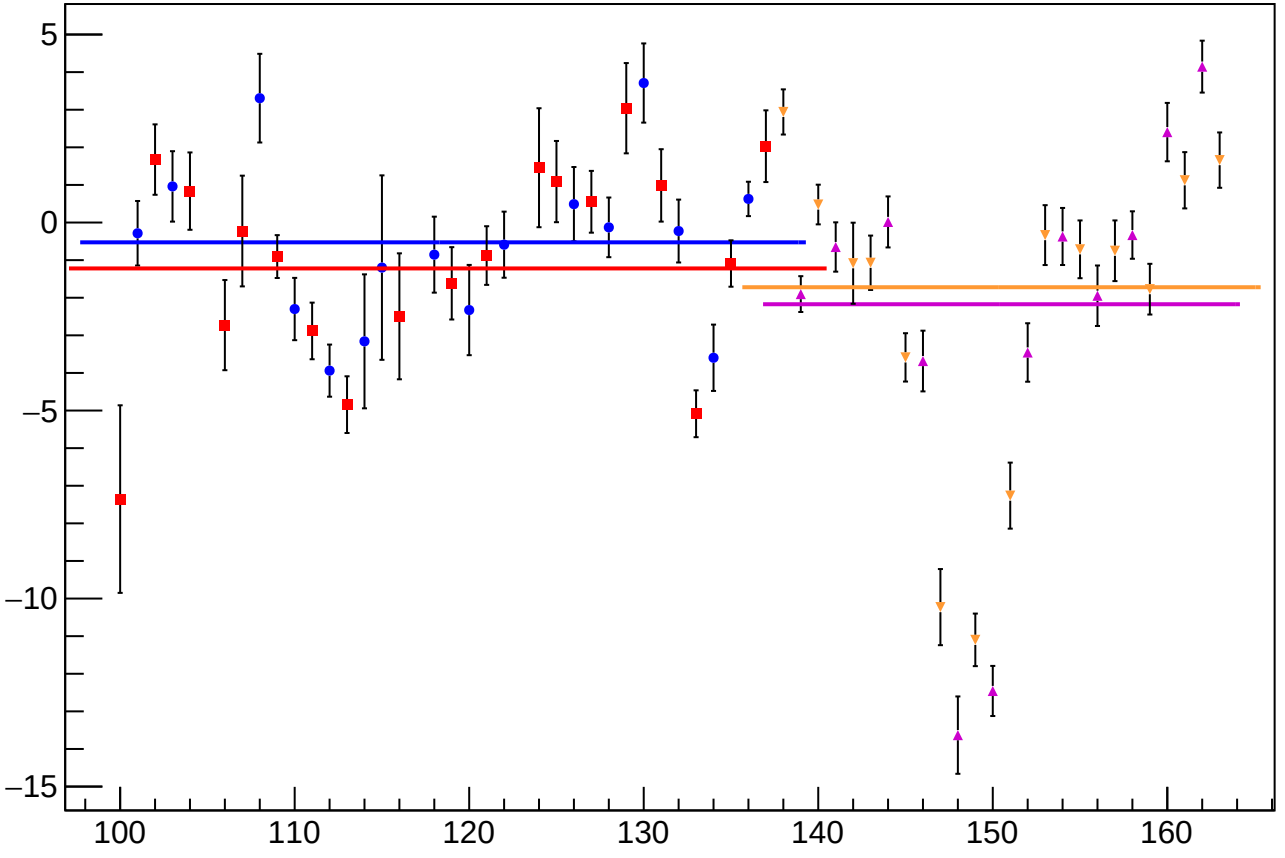
Left In: 0.082+/-0.004 χ^2/NDF:1150.2/11

+ sign 0.203+/-0.002 χ^2/NDF: 6247.3/29

All: 0.195+/-0.002 χ^2/NDF: 10923.4/60

- sign 0.186+/-0.002 χ^2/NDF: 4647.1/30

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.721+/-0.194 χ^2/NDF:419.4/13

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

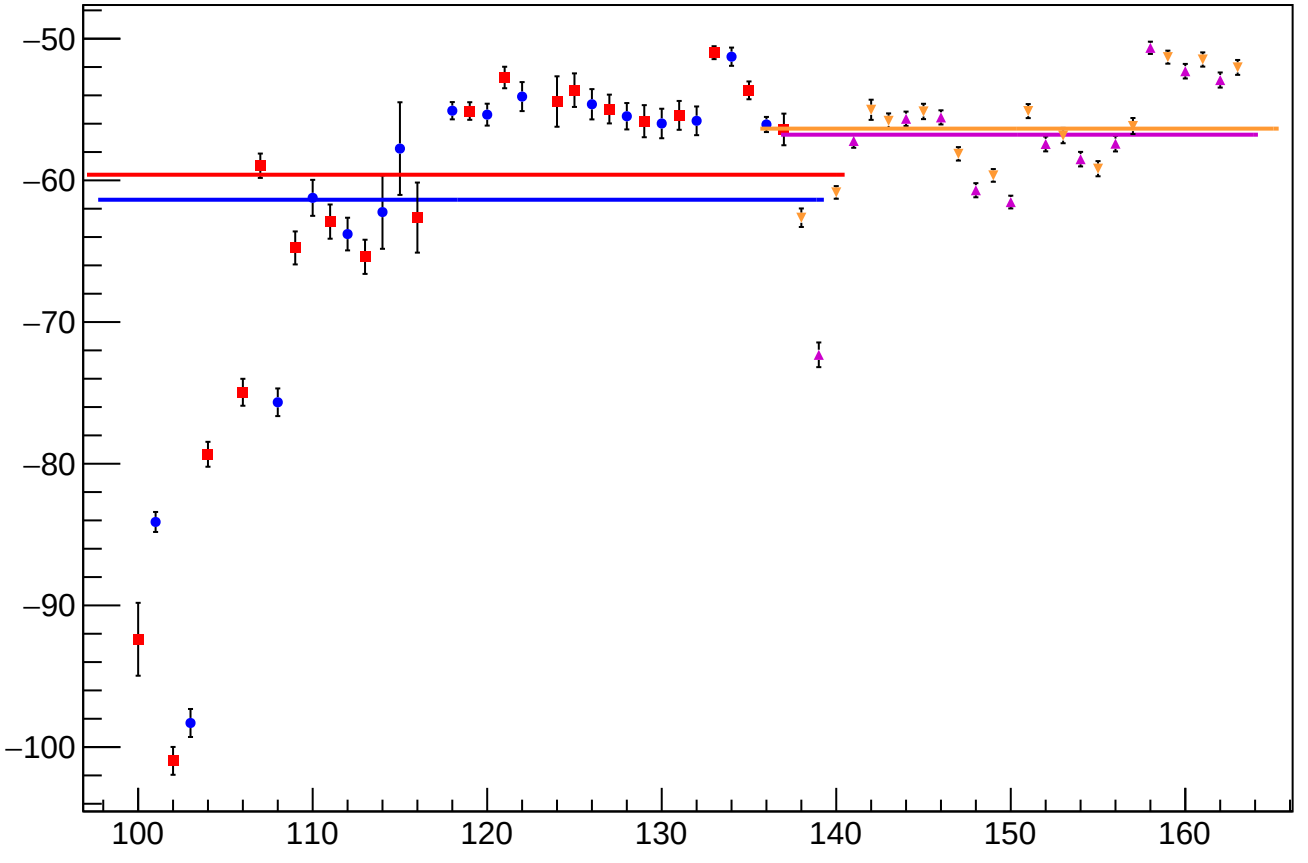
Left In: -2.173+/-0.201 χ^2/NDF:517.4/11

+ sign -1.190+/-0.145 χ^2/NDF: 518.9/29

All: -1.451+/-0.102 χ^2/NDF: 1184.7/60

- sign -1.706+/-0.143 χ^2/NDF: 659.4/30

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.348+/-0.139 χ^2/NDF:588.4/13

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

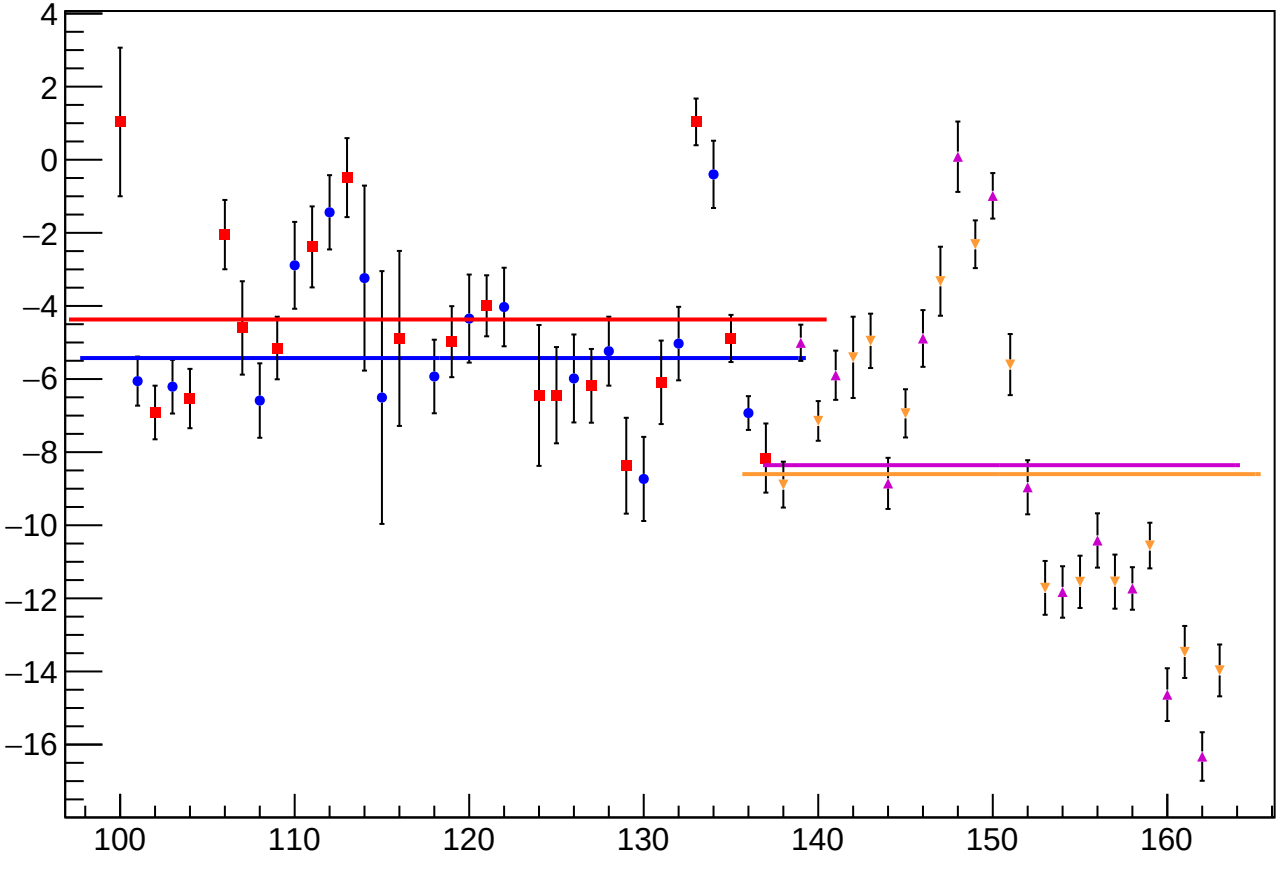
Left In: -56.776+/-0.148 χ^2/NDF:845.9/11

+ sign -57.782+/-0.117 χ^2/NDF: 4314.7/29

All: -57.757+/-0.084 χ^2/NDF: 8705.8/60

- sign -57.731+/-0.120 χ^2/NDF: 4391.0/30

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.601+/-0.189 χ^2/NDF:347.4/13

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

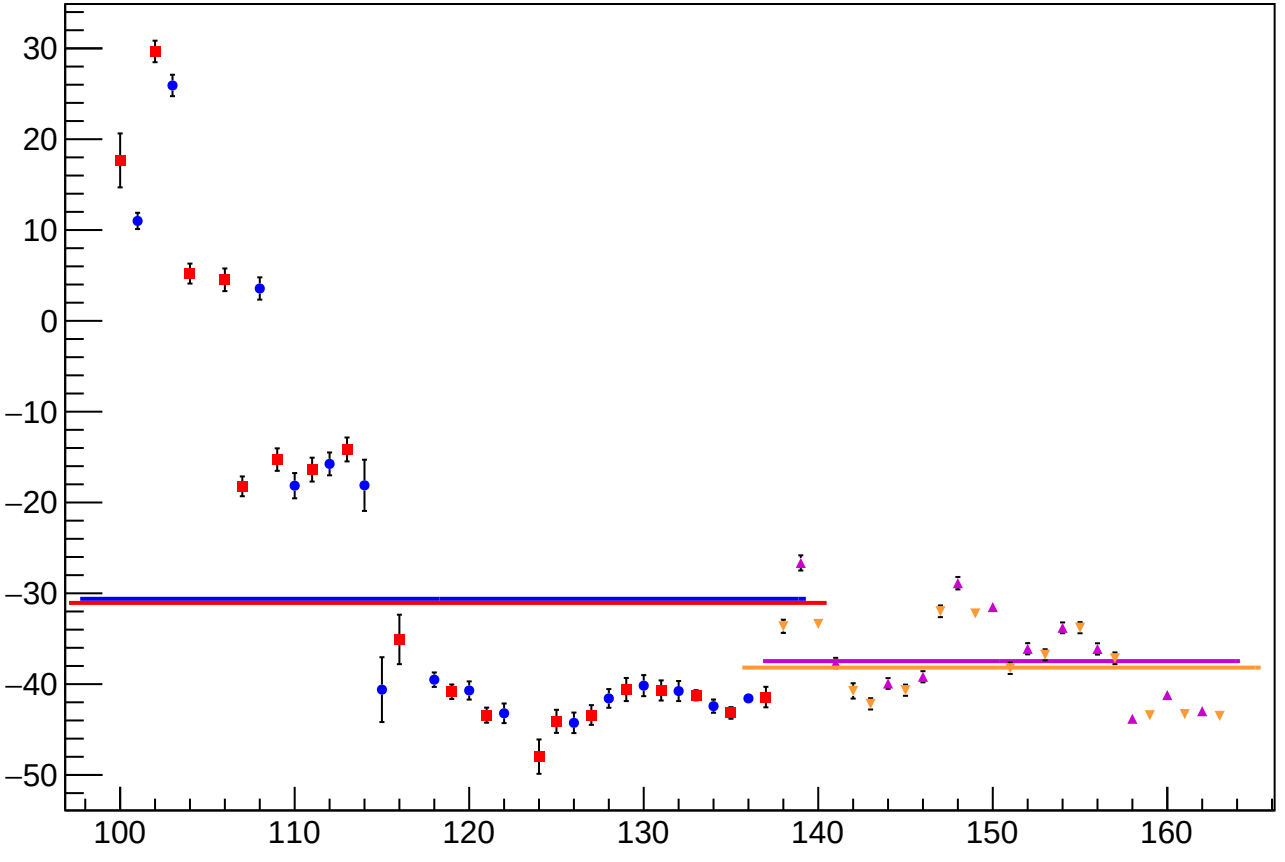
Left In: -8.356+/-0.194 χ^2/NDF:582.4/11

+ sign -7.318+/-0.146 χ^2/NDF: 537.0/29

All: -6.975+/-0.103 χ^2/NDF: 1469.1/60

- sign -6.630+/-0.146 χ^2/NDF: 921.0/30

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.179+/-0.160 χ^2/NDF:763.5/13

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

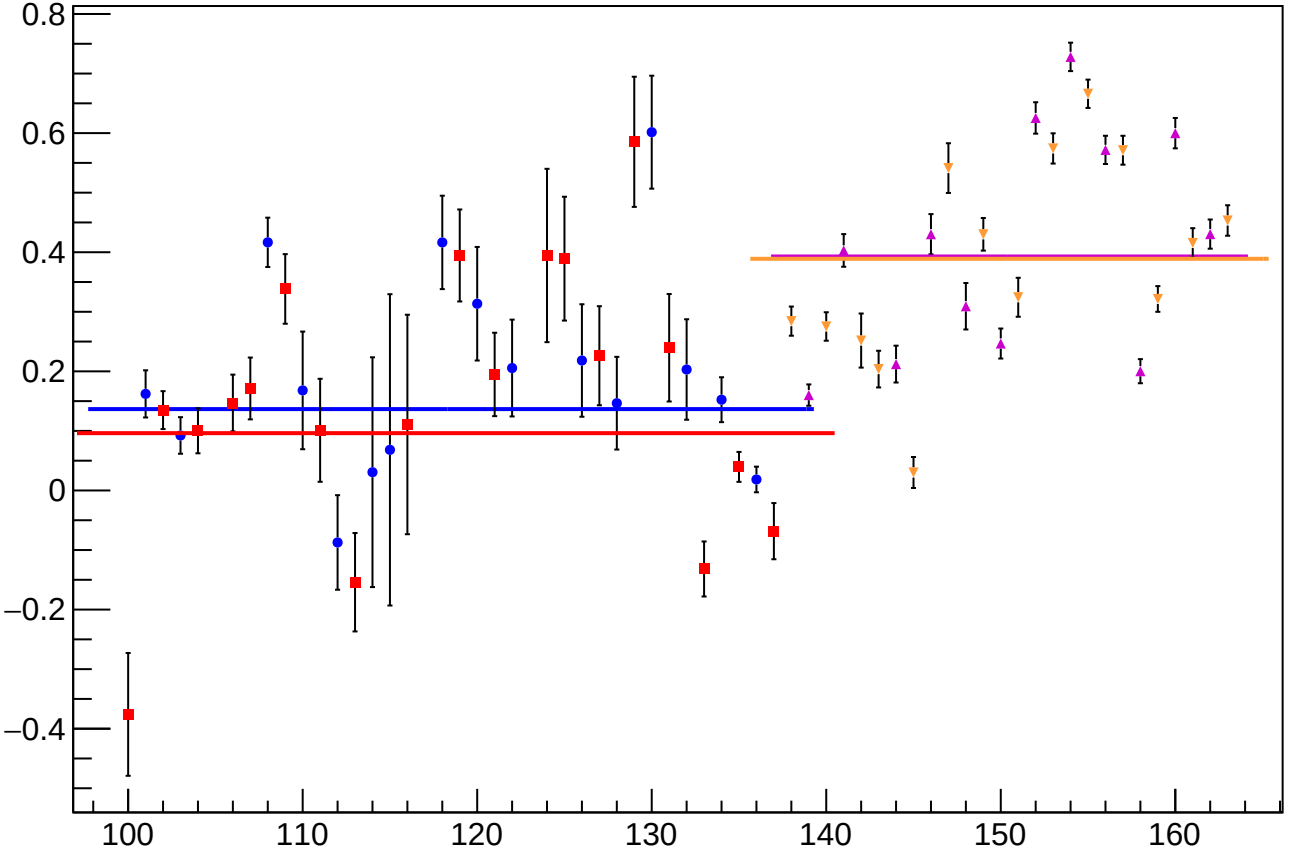
Left In: -37.464+/-0.168 χ^2/NDF:868.2/11

+ sign -35.976+/-0.134 χ^2/NDF: 8355.5/29

All: -35.657+/-0.096 χ^2/NDF: 16695.4/60

- sign -35.324+/-0.137 χ^2/NDF: 8328.4/30

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+/-0.007 χ^2/NDF:558.5/13

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

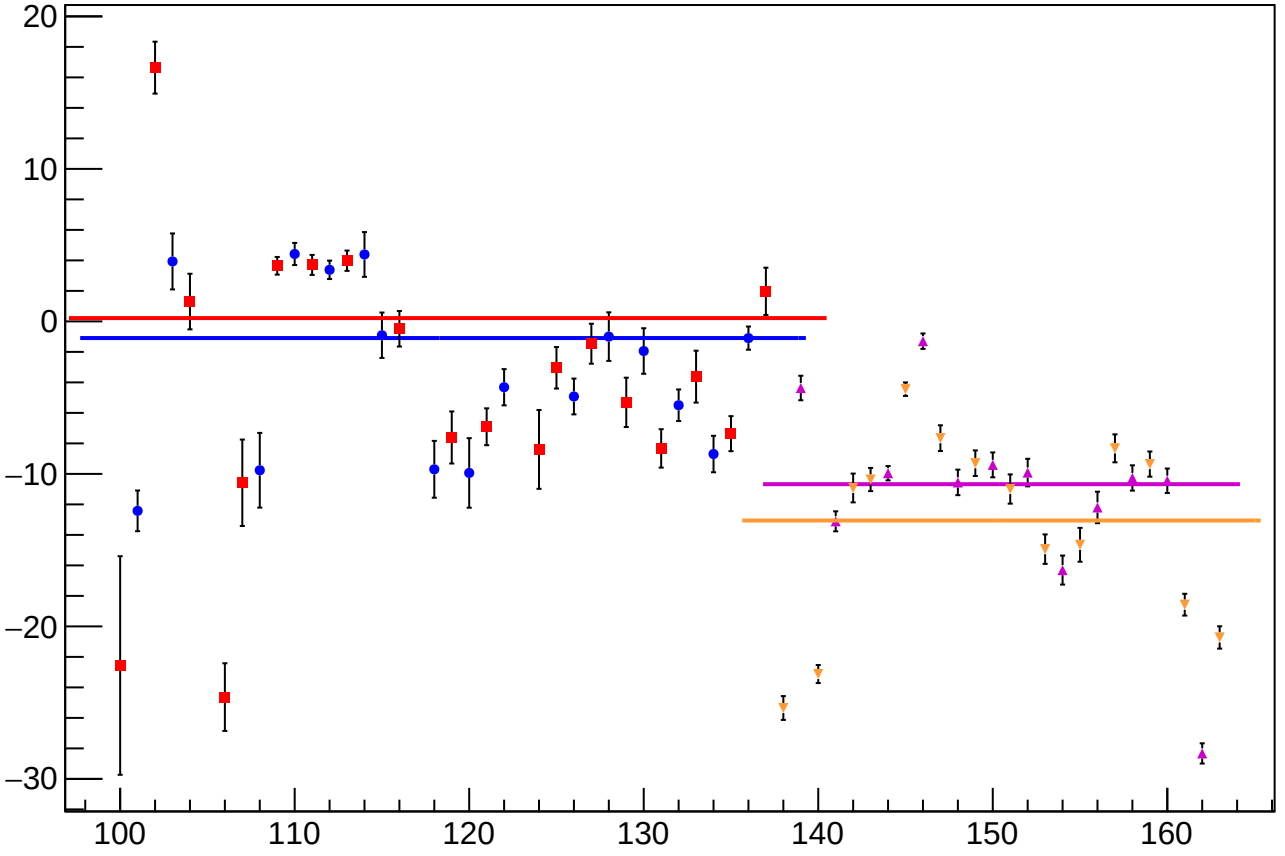
Left In: 0.393+/-0.007 χ^2/NDF:732.8/11

+ sign 0.327+/-0.006 χ^2/NDF: 994.9/29

All: 0.322+/-0.004 χ^2/NDF: 2307.0/60

- sign 0.317+/-0.006 χ^2/NDF: 1310.9/30

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.056+/-0.201 χ^2/NDF:1221.8/13

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

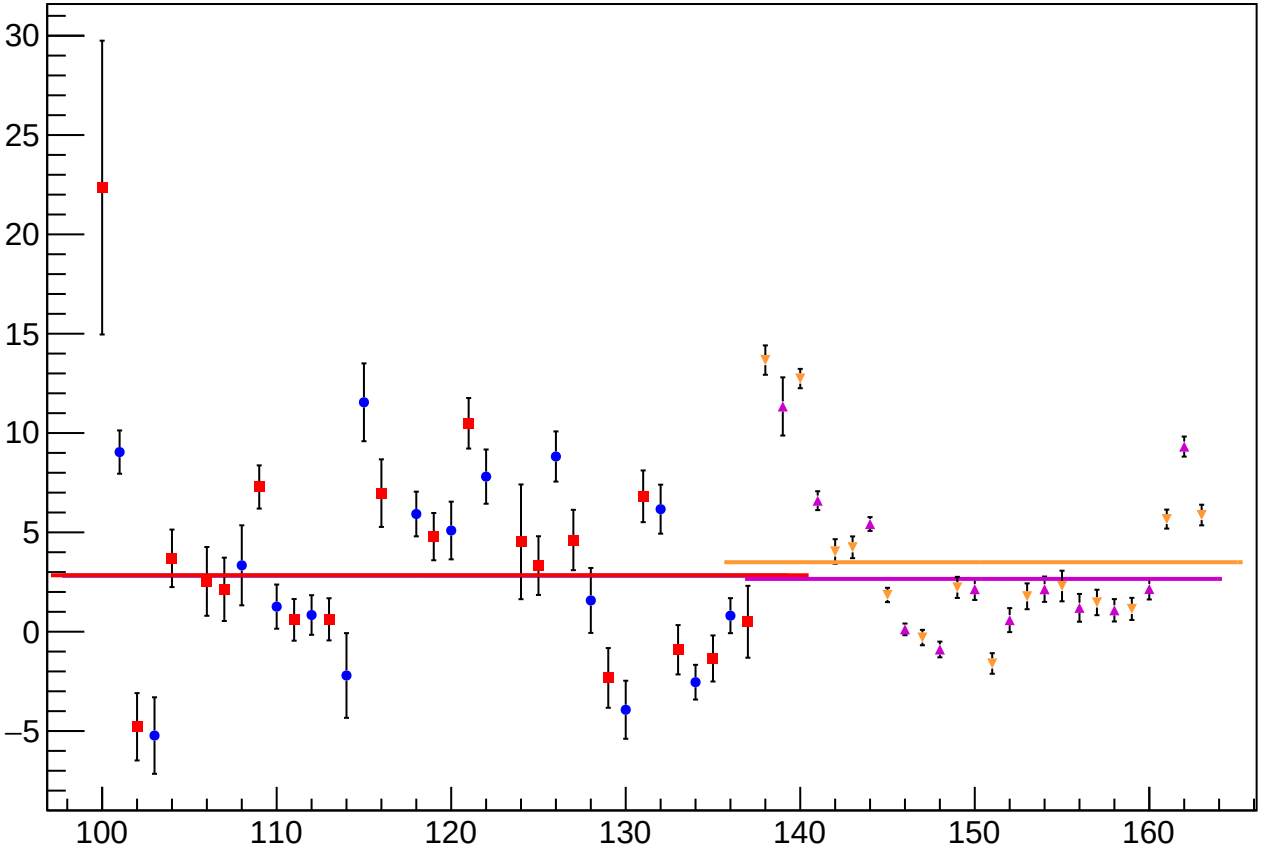
Left In: -10.675+/-0.205 χ^2/NDF:1169.9/11

+ sign -8.996+/-0.163 χ^2/NDF: 2755.0/29

All: -7.799+/-0.115 χ^2/NDF: 5602.5/60

- sign -6.615+/-0.163 χ^2/NDF: 2740.8/30

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.497+/-0.140 χ^2/NDF:850.4/13

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

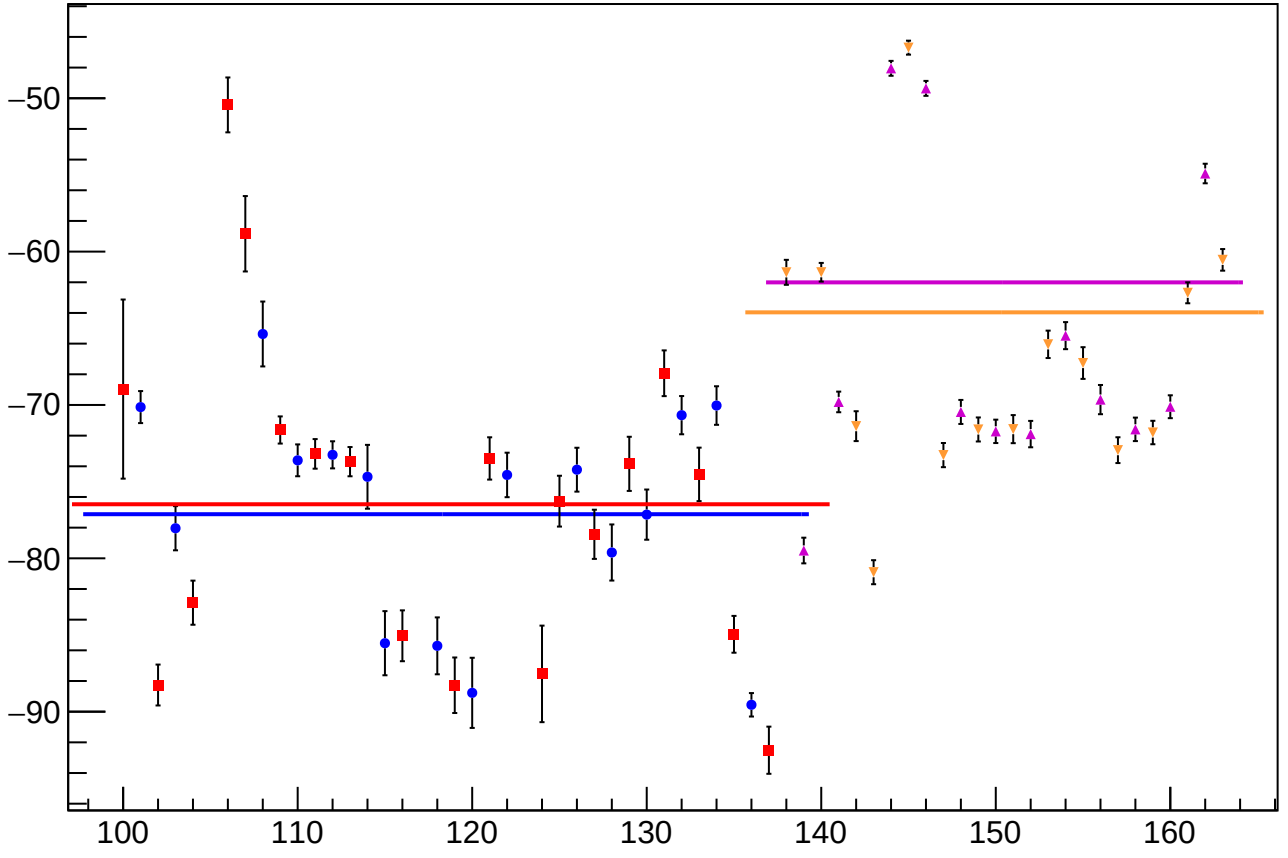
Left In: 2.657+/-0.138 χ^2/NDF:522.7/11

+ sign 3.386+/-0.127 χ^2/NDF: 1053.8/29

All: 3.034+/-0.090 χ^2/NDF: 1736.9/60

- sign 2.685+/-0.127 χ^2/NDF: 667.9/30

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.961+/-0.198 χ^2/NDF:2555.6/13

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

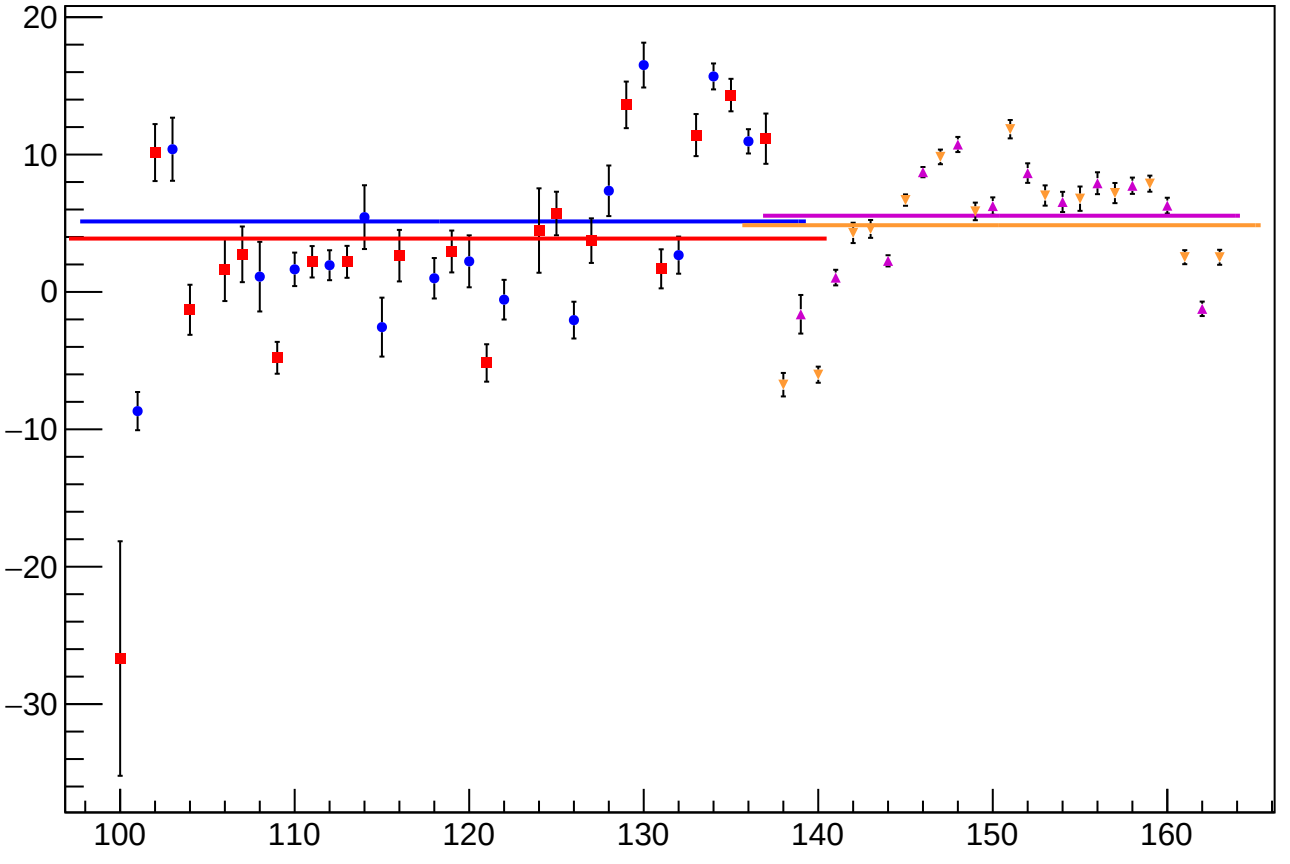
Left In: -62.006+/-0.199 χ^2/NDF:2959.5/11

+ sign -67.493+/-0.169 χ^2/NDF: 4249.6/29

All: -66.705+/-0.120 χ^2/NDF: 9366.1/60

- sign -65.904+/-0.170 χ^2/NDF: 5072.8/30

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.856+/-0.163 χ^2/NDF:836.7/13

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

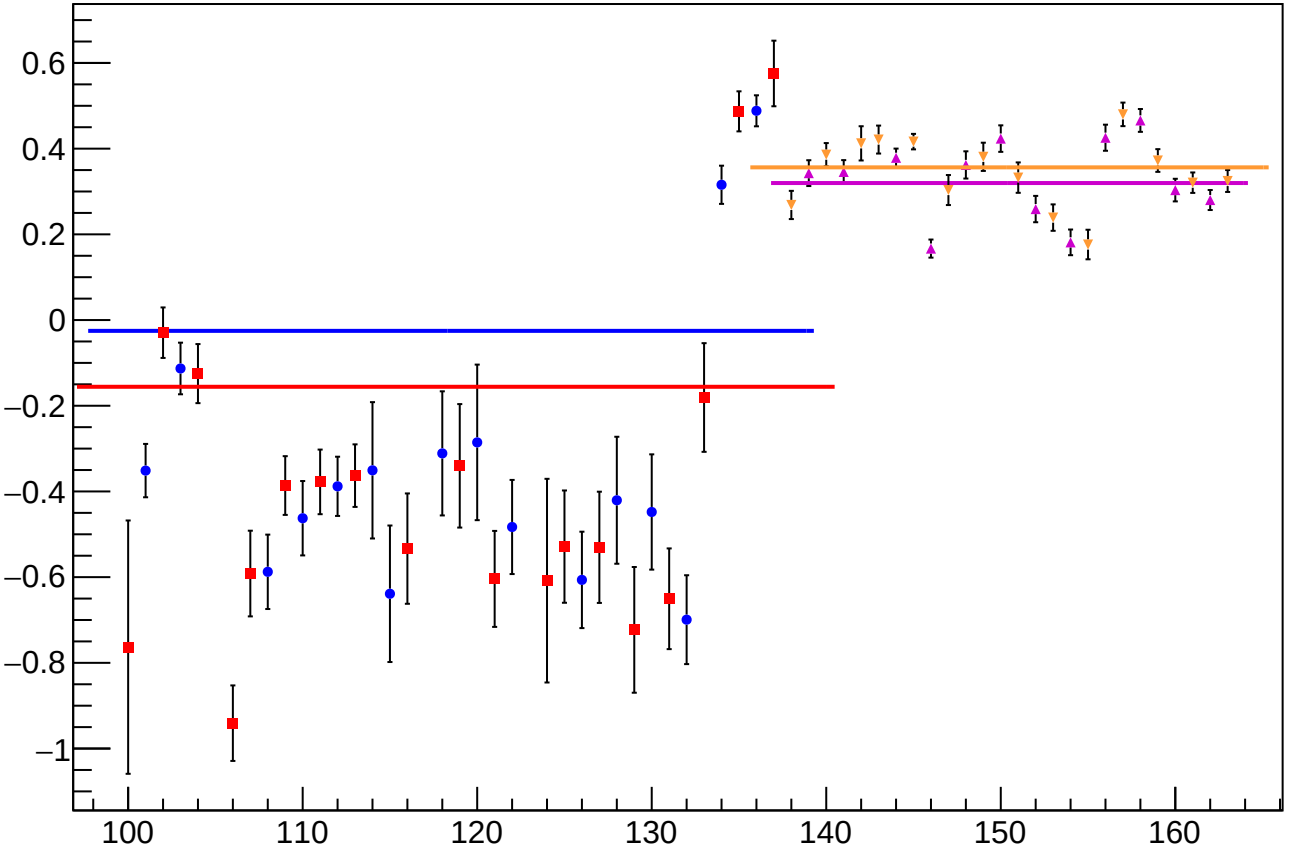
Left In: 5.548+/-0.163 χ^2/NDF:527.5/11

+ sign 4.906+/-0.148 χ^2/NDF: 1249.5/29

All: 5.085+/-0.105 χ^2/NDF: 2089.1/60

- sign 5.267+/-0.149 χ^2/NDF: 836.5/30

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.356+/-0.008 χ^2/NDF:94.7/13

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

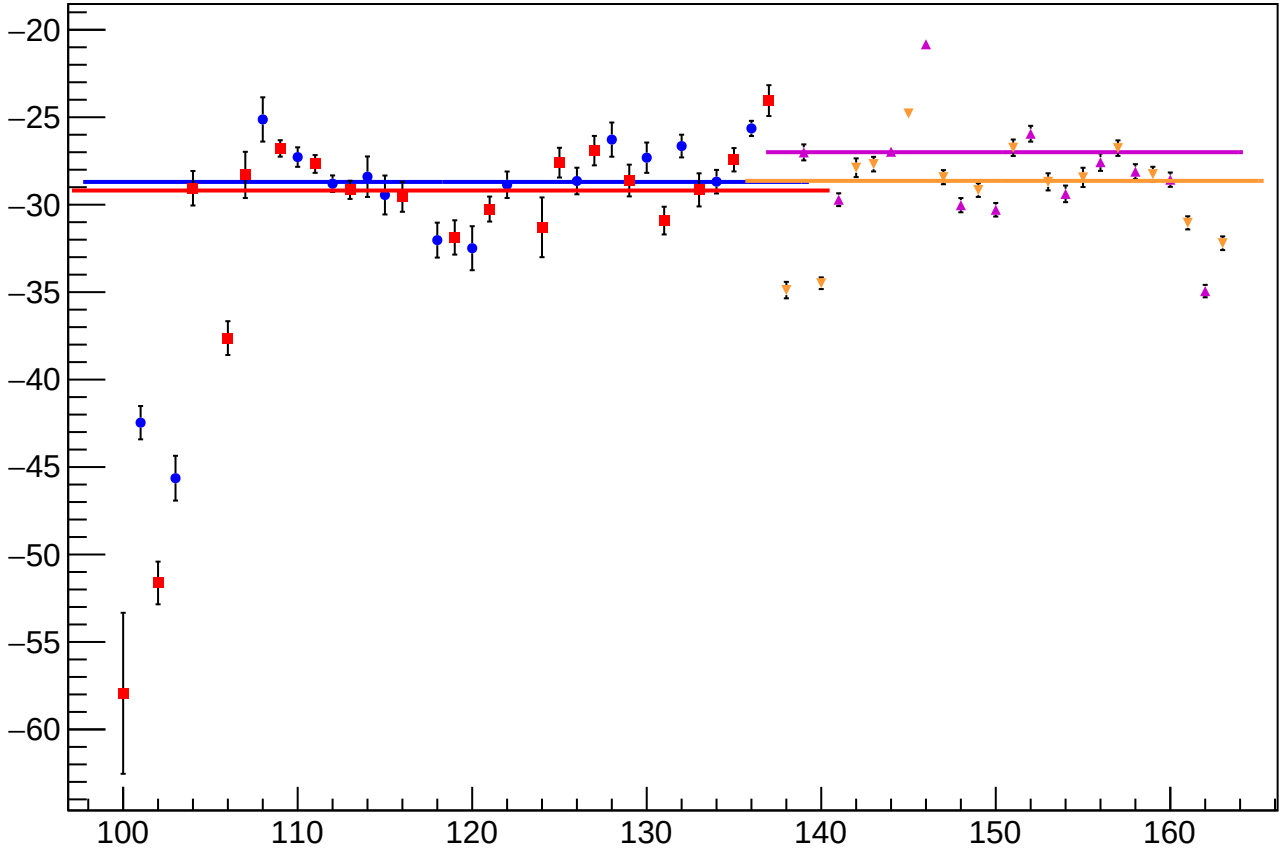
Left In: 0.320+/-0.008 χ^2/NDF:145.2/11

+ sign 0.304+/-0.007 χ^2/NDF: 956.8/29

All: 0.282+/-0.005 χ^2/NDF: 2099.3/60

- sign 0.259+/-0.007 χ^2/NDF: 1123.2/30

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.638+/-0.102 χ^2/NDF:1010.0/13

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

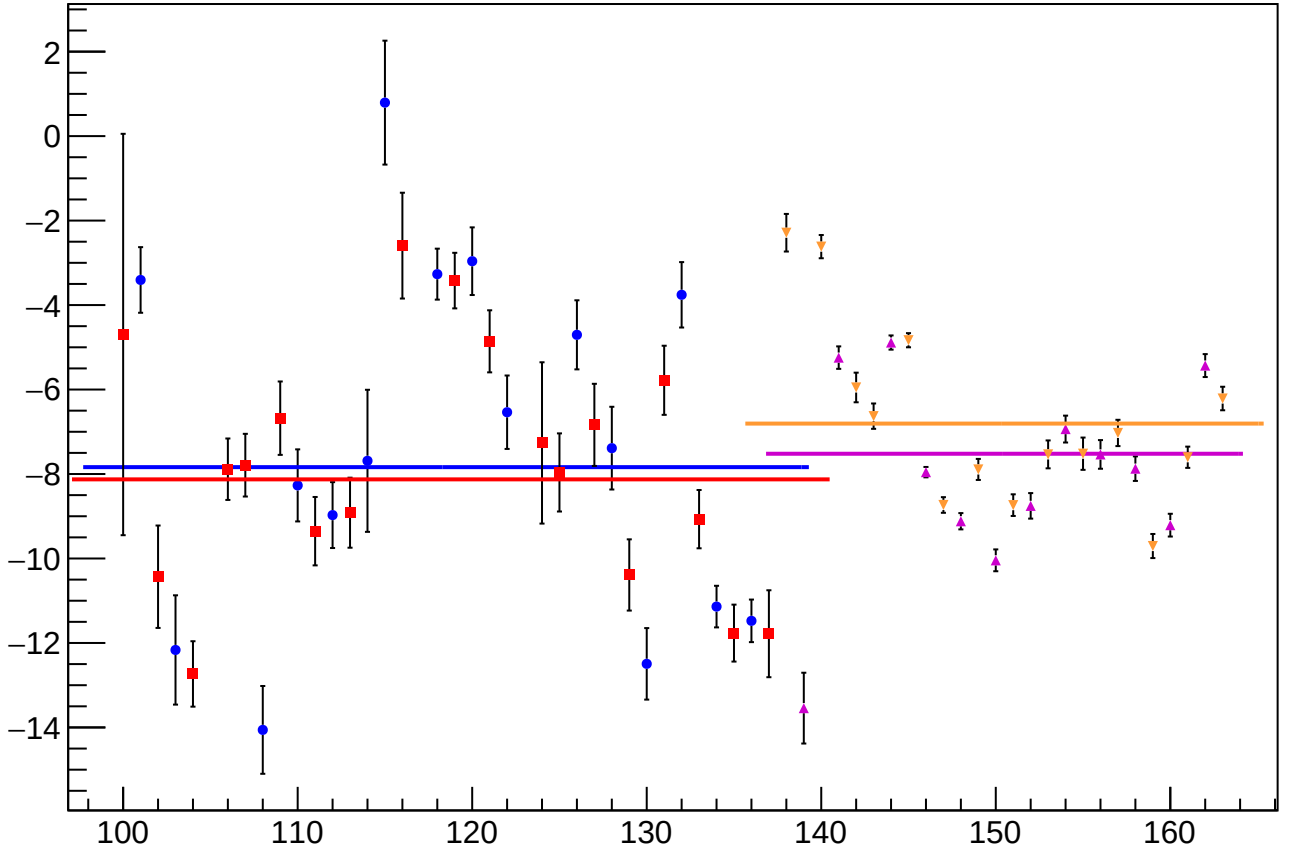
Left In: -26.998+/-0.100 χ^2/NDF:1626.6/11

+ sign -28.652+/-0.090 χ^2/NDF: 1497.4/29

All: -28.067+/-0.063 χ^2/NDF: 3876.7/60

- sign -27.509+/-0.087 χ^2/NDF: 2296.0/30

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.806+/-0.071 χ^2/NDF:790.9/13

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

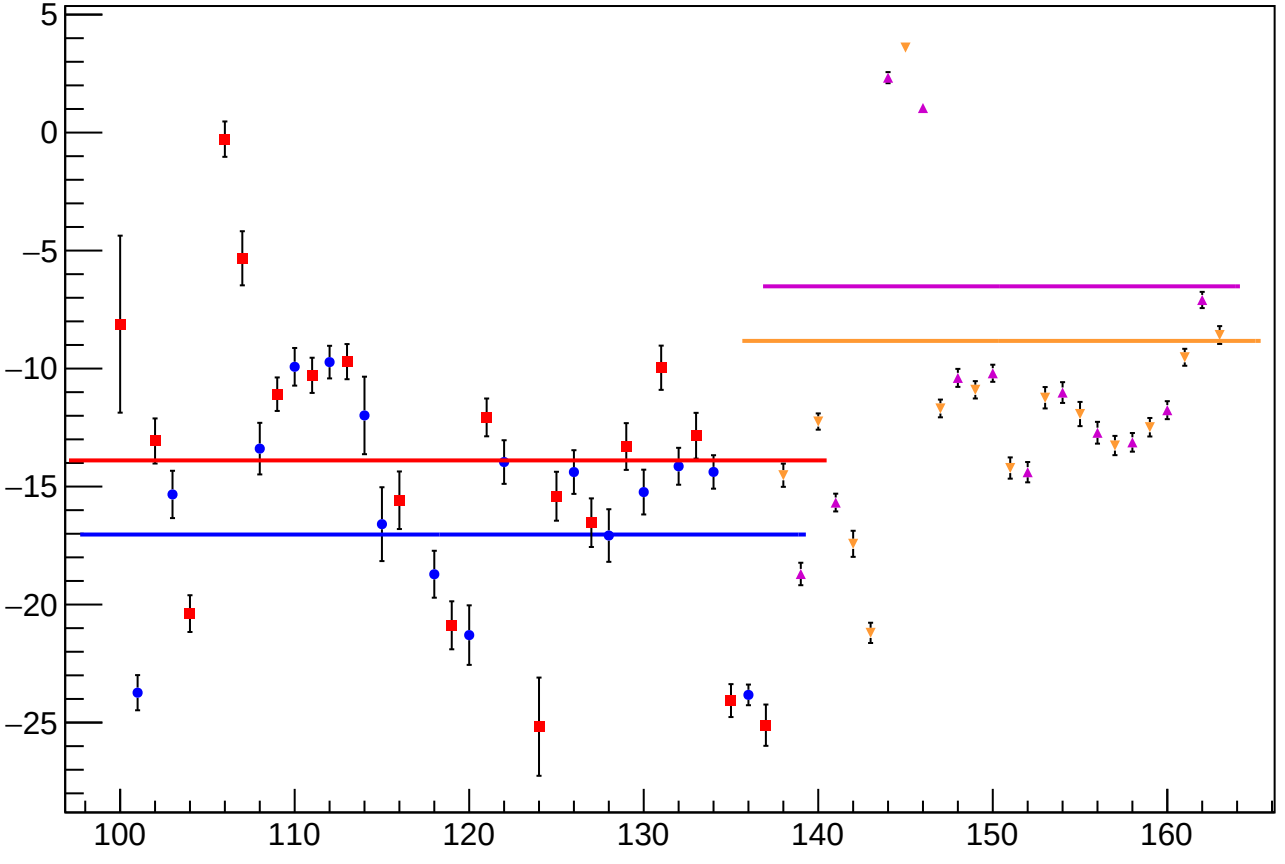
Left In: -7.520+/-0.066 χ^2/NDF:666.4/11

+ sign -6.926+/-0.066 χ^2/NDF: 1198.8/29

All: -7.272+/-0.046 χ^2/NDF: 2122.7/60

- sign -7.582+/-0.063 χ^2/NDF: 872.2/30

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.828+/-0.100 χ^2/NDF:5382.8/13

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

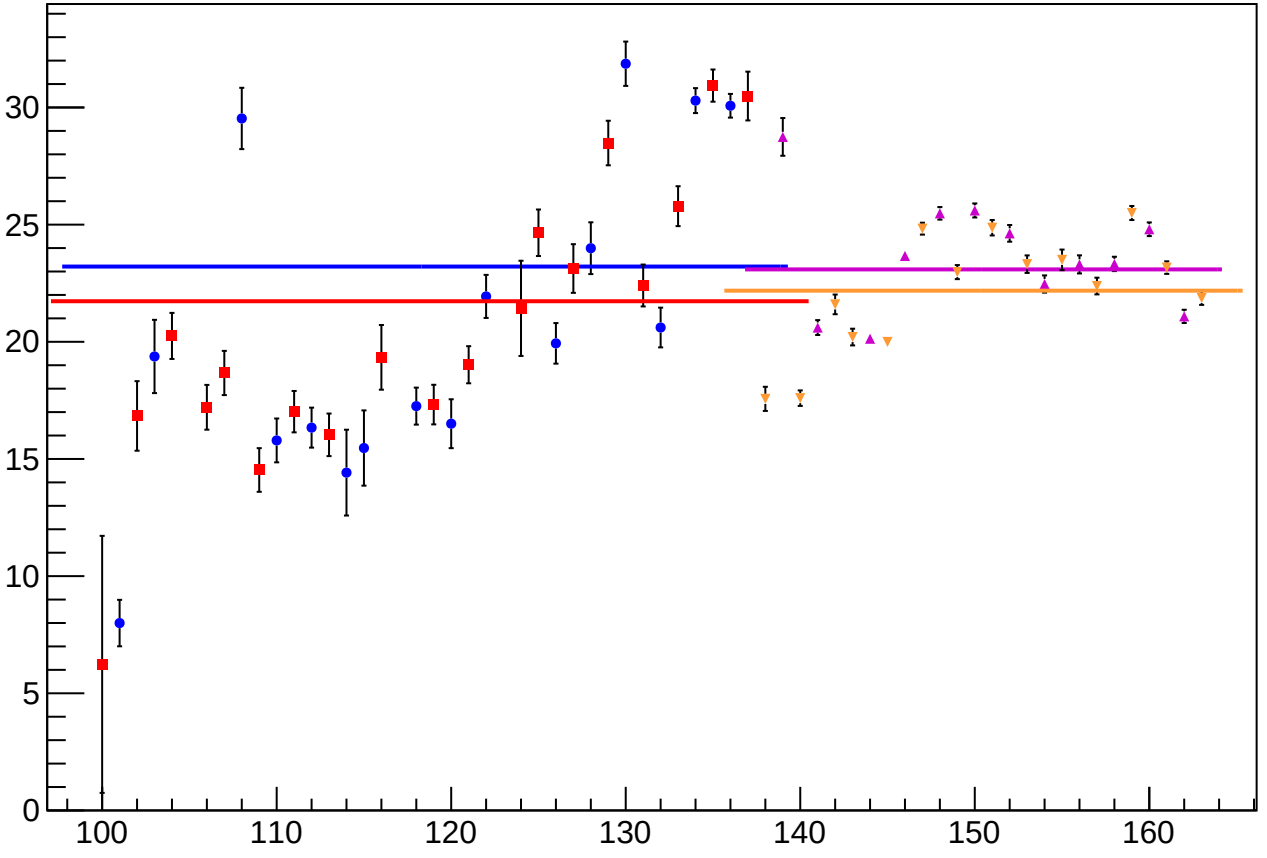
Left In: -6.515+/-0.097 χ^2/NDF:5410.1/11

+ sign -10.355+/-0.090 χ^2/NDF: 7233.8/29

All: -9.052+/-0.063 χ^2/NDF: 15089.0/60

- sign -7.818+/-0.088 χ^2/NDF: 7450.1/30

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.182+/-0.083 χ^2/NDF:771.4/13

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

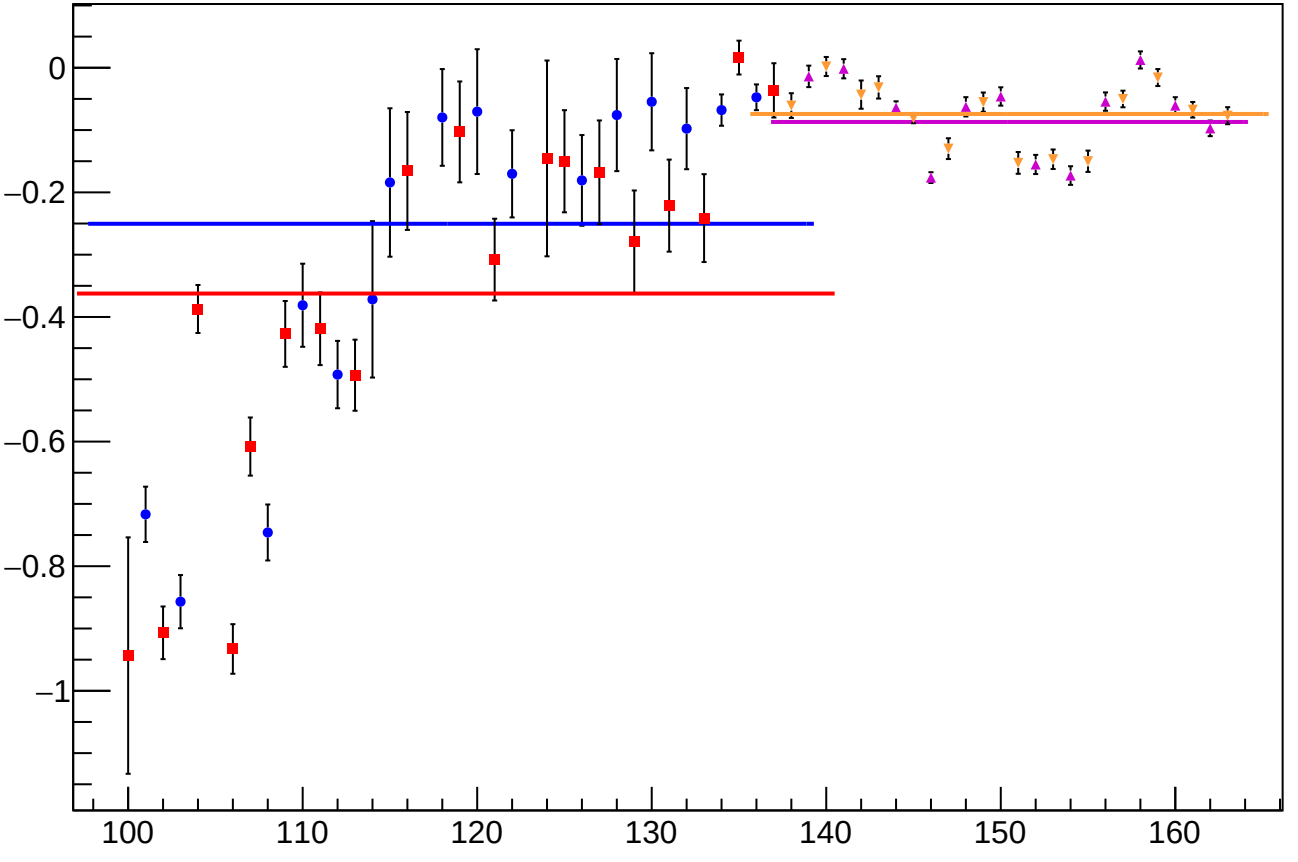
Left In: 23.090+/-0.079 χ^2/NDF:606.6/11

+ sign 22.311+/-0.077 χ^2/NDF: 1799.1/29

All: 22.638+/-0.054 χ^2/NDF: 3031.0/60

- sign 22.941+/-0.074 χ^2/NDF: 1197.4/30

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/13

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

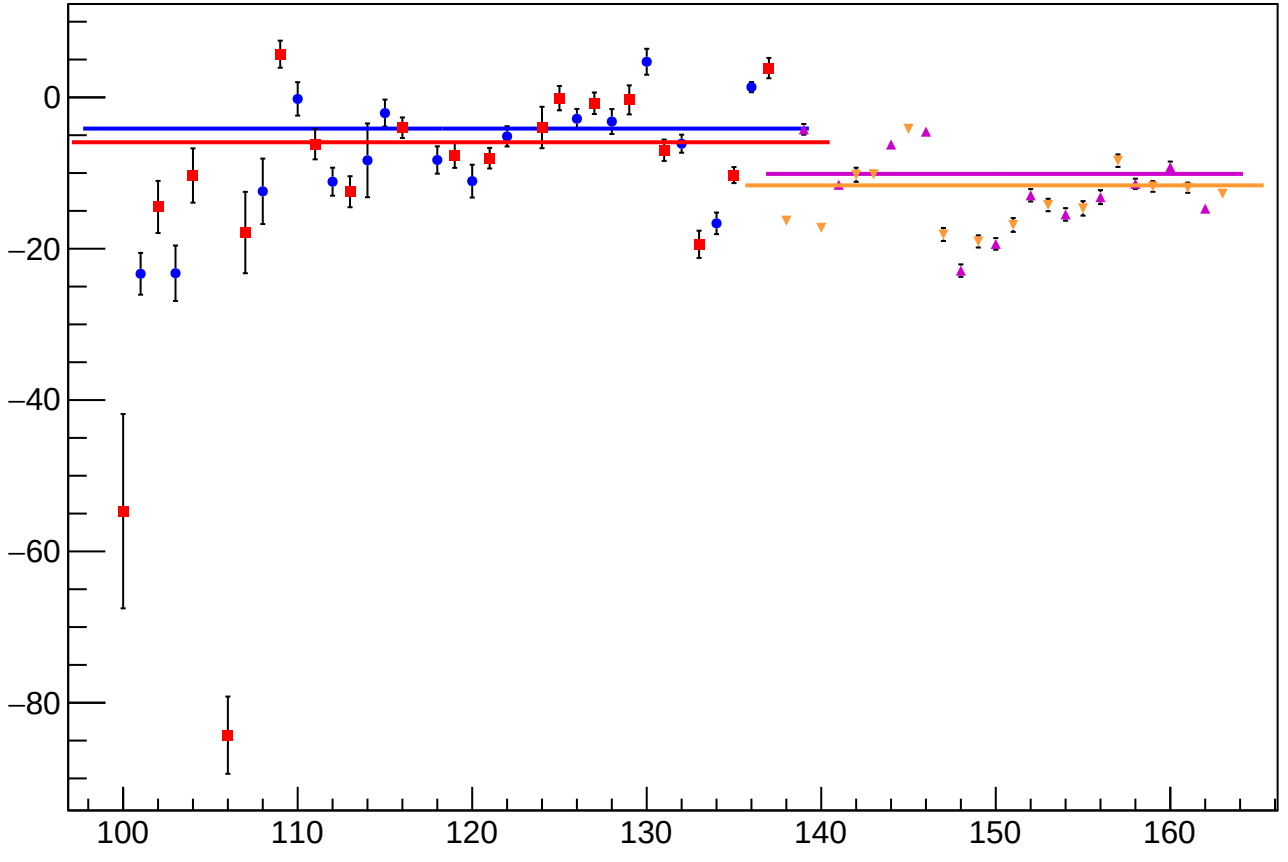
Left In: -0.087+/-0.004 χ^2/NDF:285.3/11

+ sign -0.091+/-0.004 χ^2/NDF: 969.1/29

All: -0.101+/-0.003 χ^2/NDF: 2427.3/60

- sign -0.111+/-0.004 χ^2/NDF: 1444.1/30

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.630+/-0.180 χ^2/NDF:787.9/13

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

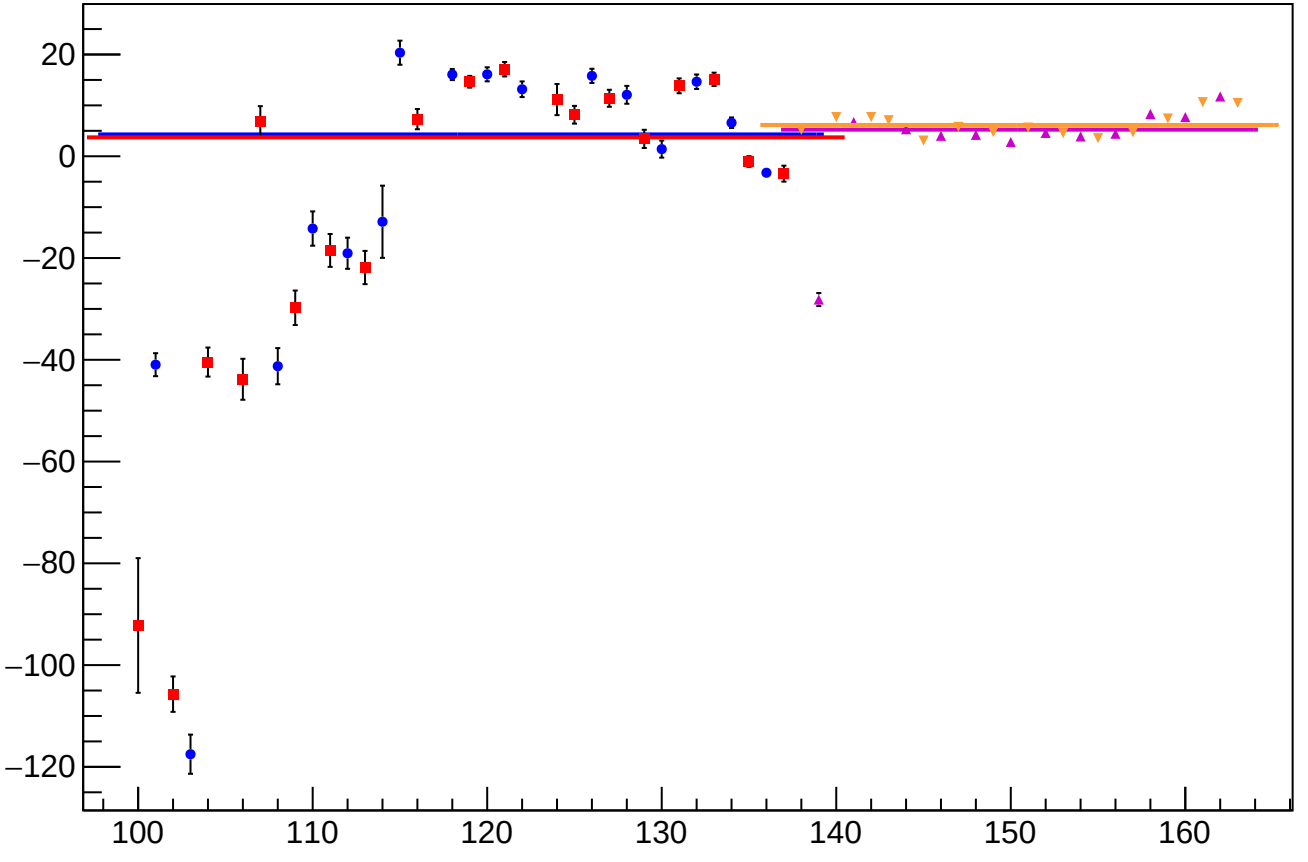
Left In: -10.111+/-0.182 χ^2/NDF:861.7/11

+ sign -10.266+/-0.163 χ^2/NDF: 1392.2/29

All: -9.851+/-0.116 χ^2/NDF: 2837.6/60

- sign -9.419+/-0.166 χ^2/NDF: 1432.1/30

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.153+/-0.127 χ^2/NDF:360.8/13

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

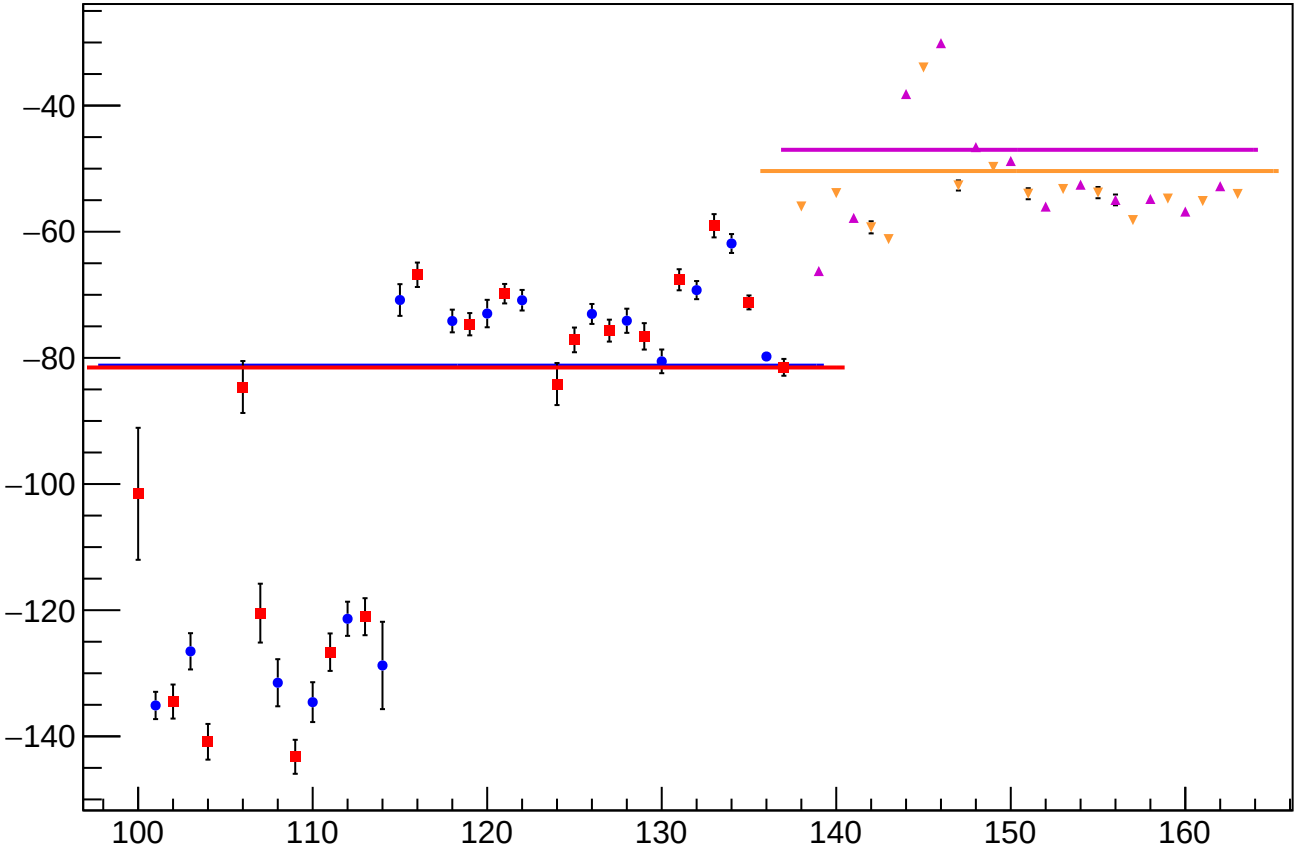
Left In: 5.231+/-0.124 χ^2/NDF:1019.6/11

+ sign 5.971+/-0.120 χ^2/NDF: 2551.0/29

All: 5.535+/-0.085 χ^2/NDF: 5615.5/60

- sign 5.111+/-0.119 χ^2/NDF: 3038.6/30

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.378+/-0.177 χ^2/NDF:2616.0/13

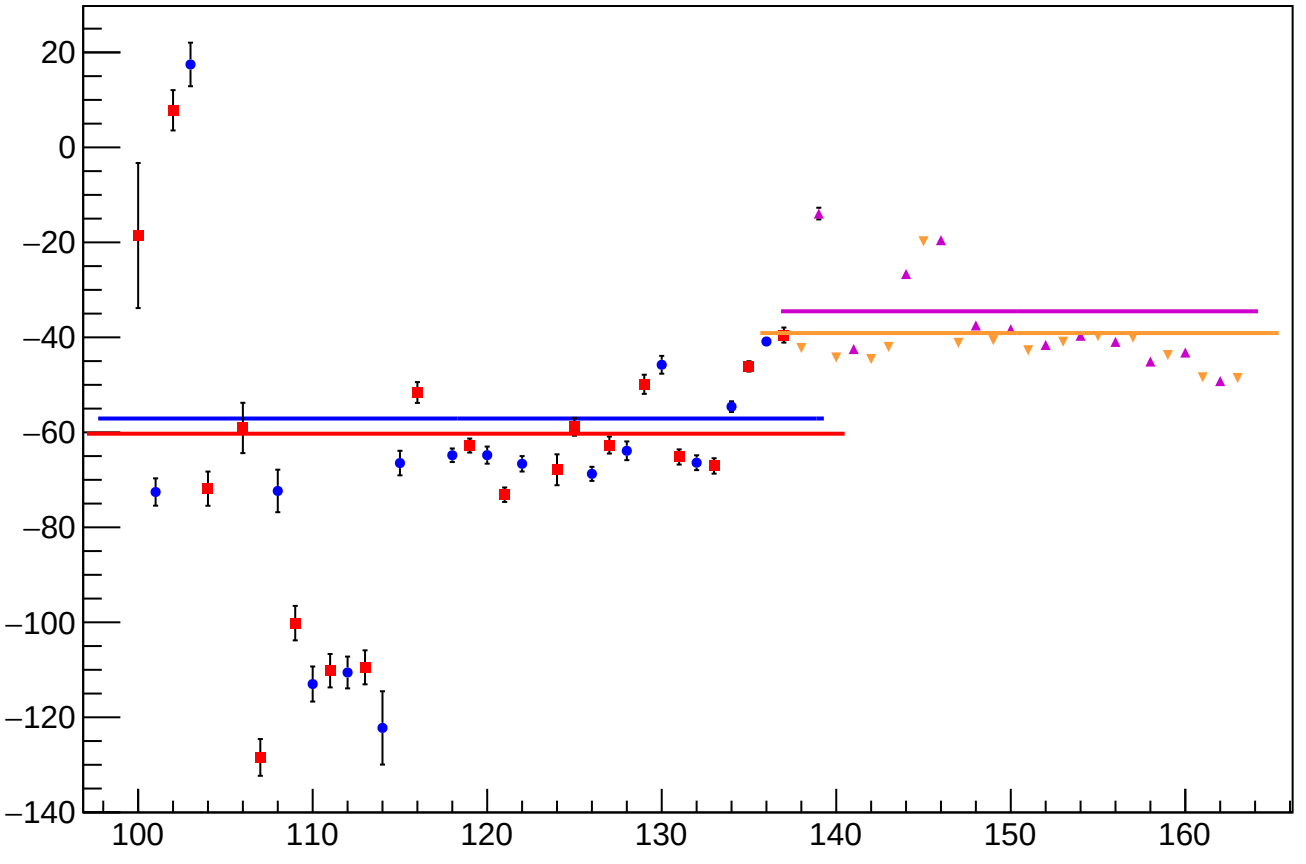
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -47.012+/-0.176 χ^2/NDF:3960.8/11

+ sign -55.099+/-0.163 χ^2/NDF: 9227.3/29

All: -53.277+/-0.116 χ^2/NDF: 20610.6/60

- sign -51.414+/-0.165 χ^2/NDF: 11130.7/30



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -39.093+/-0.147 χ^2/NDF:4306.5/13

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

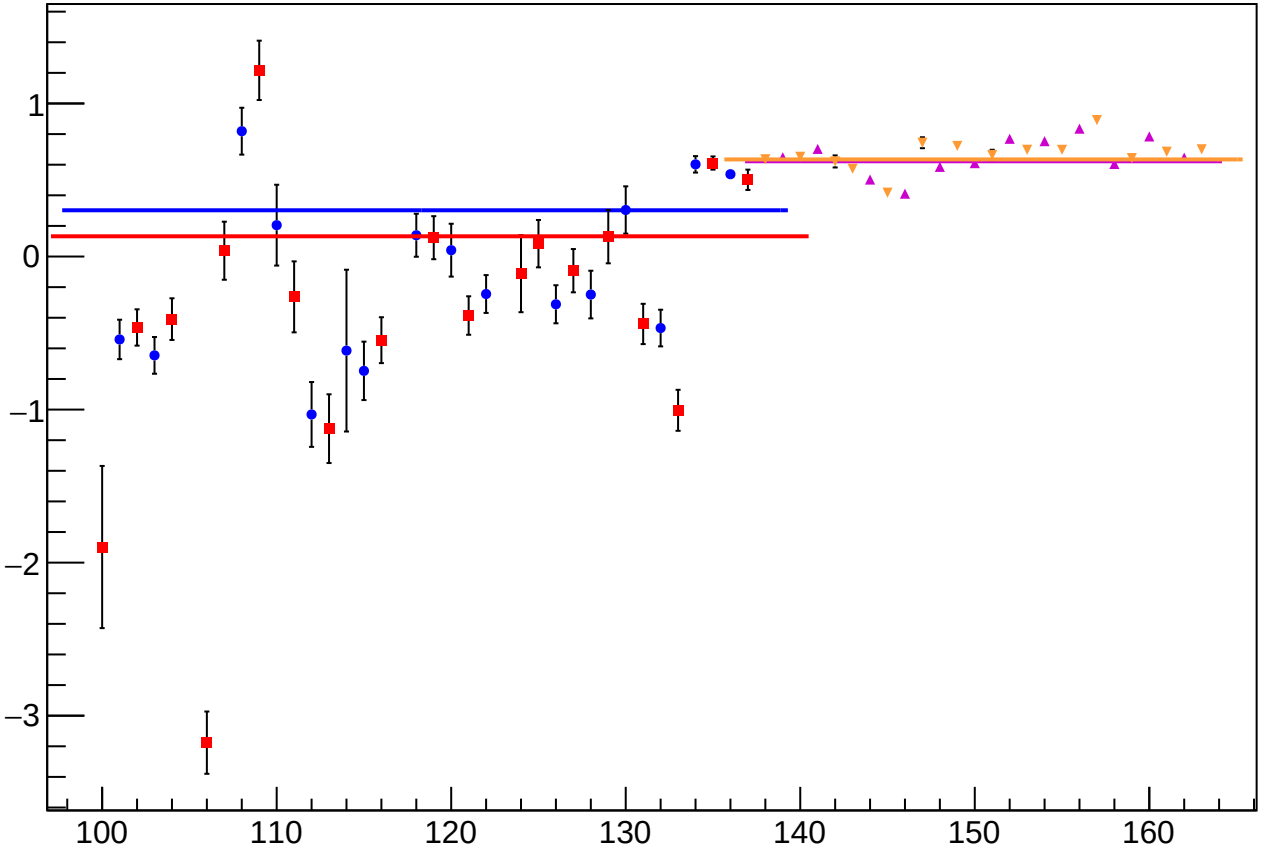
Left In: -34.513+/-0.145 χ^2/NDF:5343.0/11

+ sign -41.016+/-0.139 χ^2/NDF: 7429.1/29

All: -38.880+/-0.098 χ^2/NDF: 17574.8/60

- sign -36.758+/-0.139 χ^2/NDF: 9676.0/30

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.634+/-0.007 χ^2/NDF:363.1/13

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

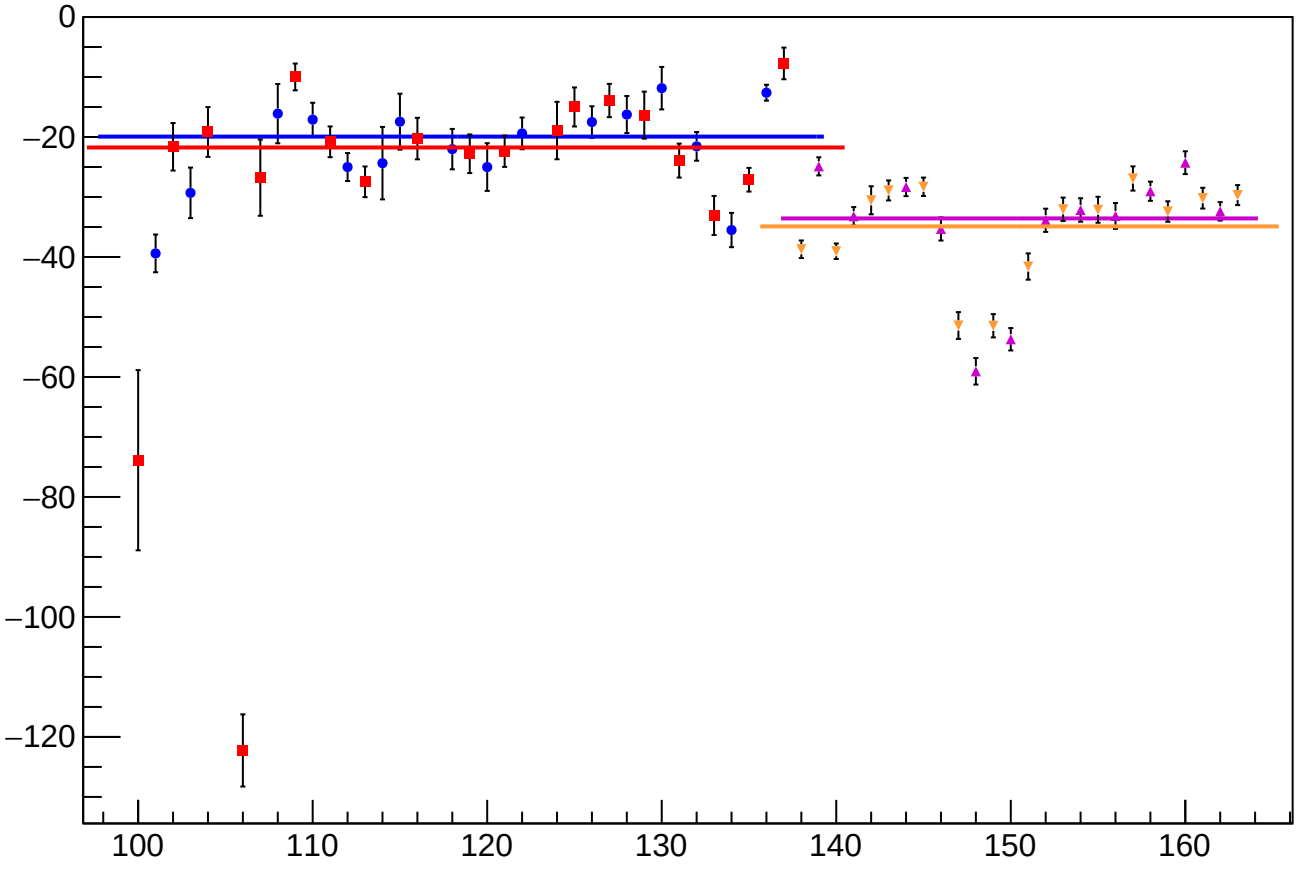
Left In: 0.622+/-0.007 χ^2/NDF:363.6/11

+ sign 0.608+/-0.007 χ^2/NDF: 930.7/29

All: 0.600+/-0.005 χ^2/NDF: 2290.6/60

- sign 0.592+/-0.007 χ^2/NDF: 1356.9/30

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.901+/-0.473 χ^2/NDF:227.4/13

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

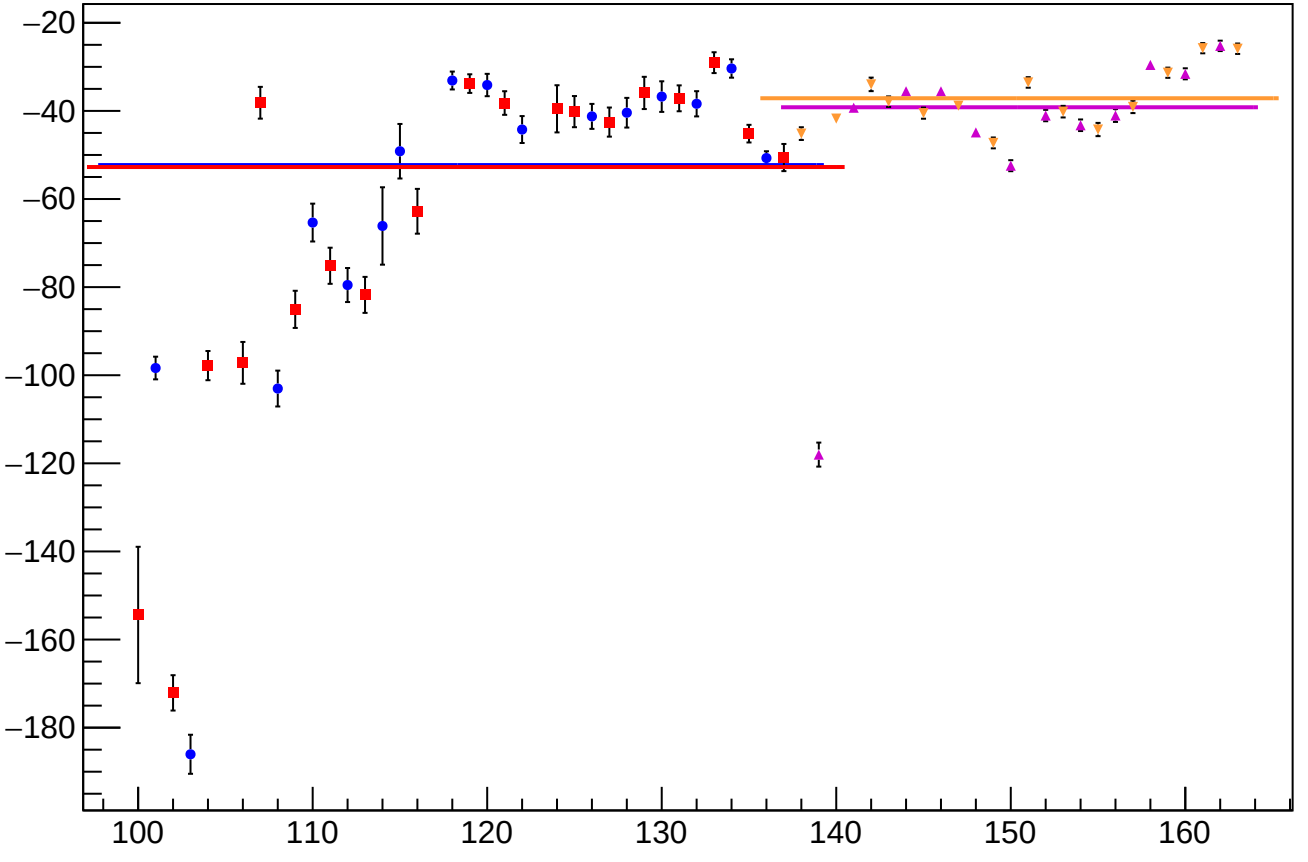
Left In: -33.572+/-0.507 χ^2/NDF:327.8/11

+ sign -30.155+/-0.391 χ^2/NDF: 664.8/29

All: -29.896+/-0.284 χ^2/NDF: 1564.4/60

- sign -29.608+/-0.413 χ^2/NDF: 898.7/30

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -37.125+/-0.332 χ^2/NDF:380.1/13

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

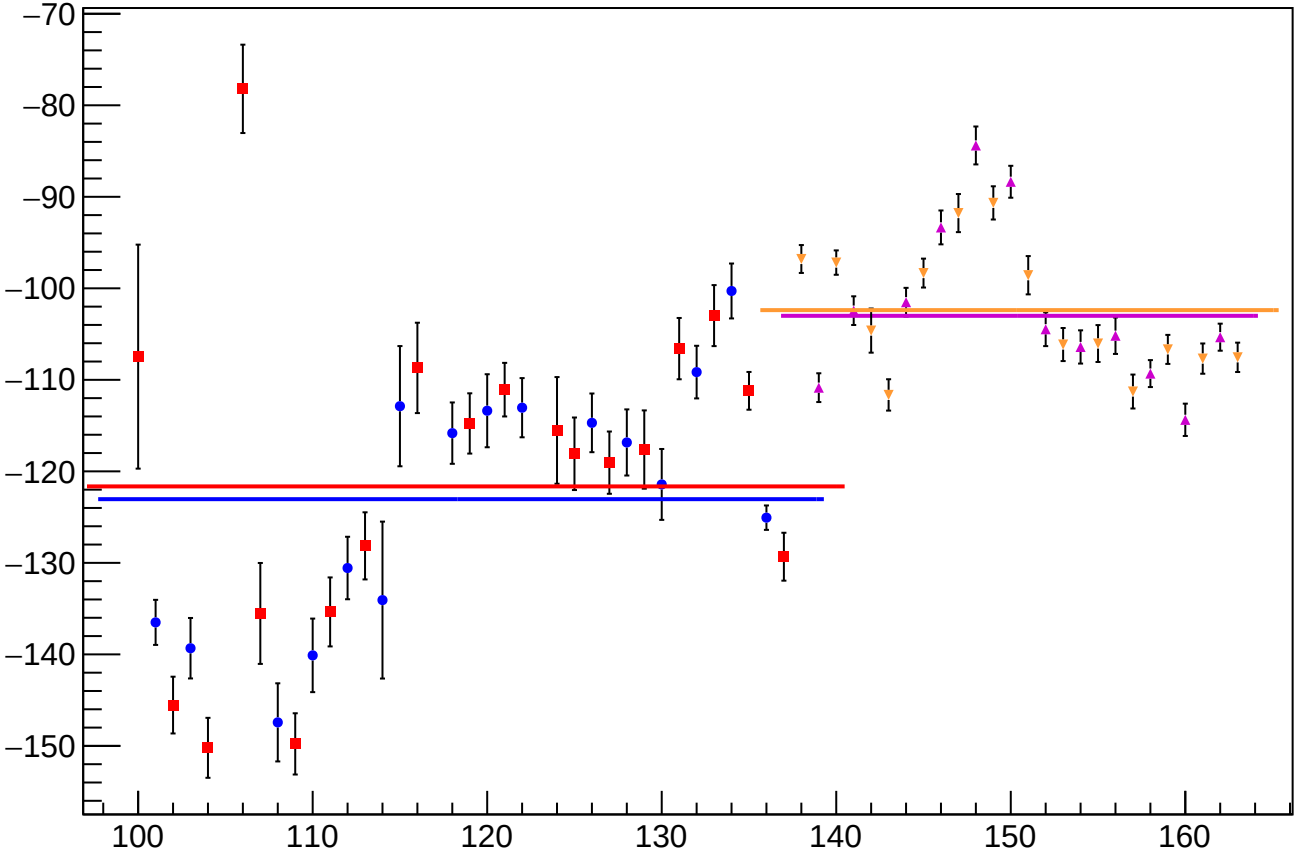
Left In: -39.173+/-0.356 χ^2/NDF:1266.0/11

+ sign -39.854+/-0.300 χ^2/NDF: 2534.8/29

All: -40.704+/-0.220 χ^2/NDF: 5748.4/60

- sign -41.678+/-0.322 χ^2/NDF: 3196.5/30

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -102.383+/-0.463 χ^2/NDF:194.8/13

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

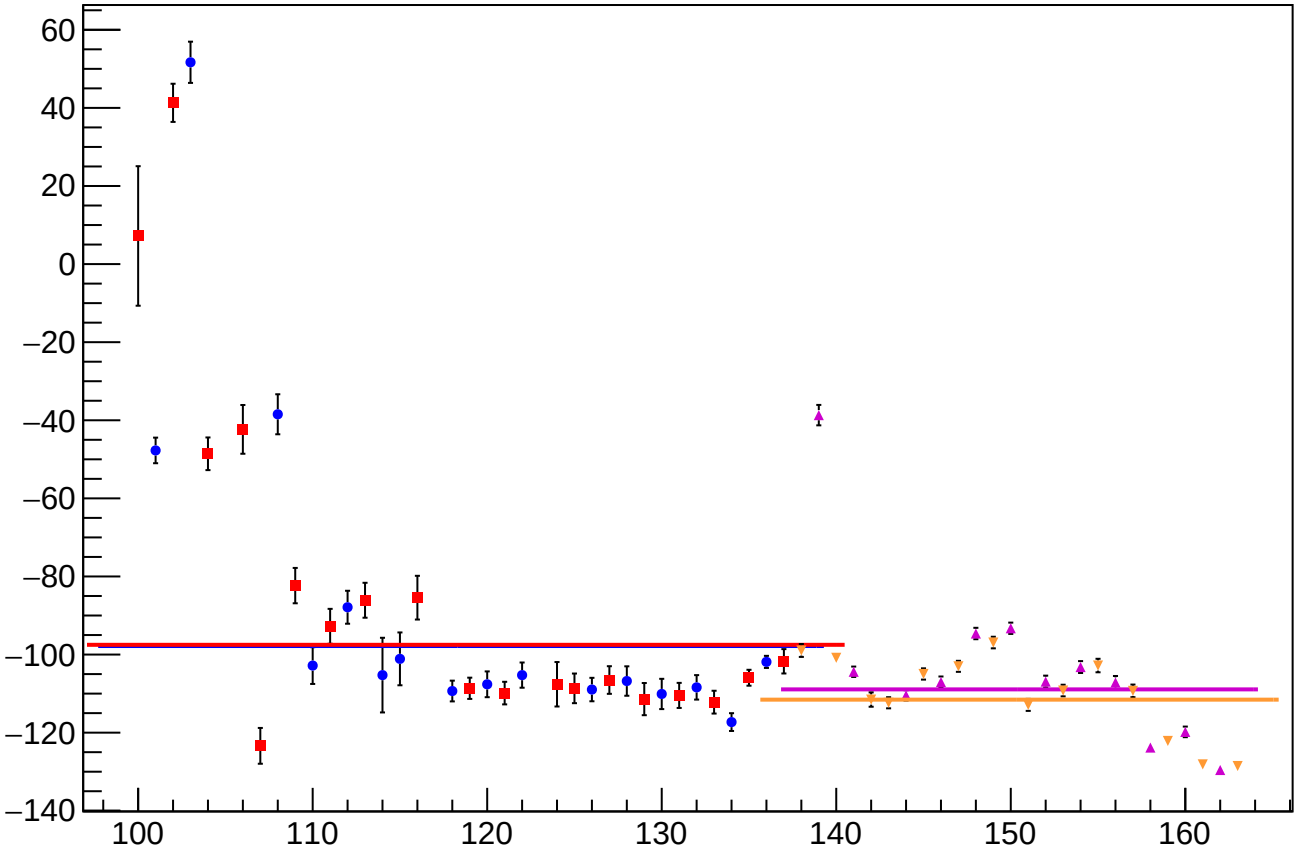
Left In: -103.004+/-0.490 χ^2/NDF:272.1/11

+ sign -108.082+/-0.394 χ^2/NDF: 970.9/29

All: -108.082+/-0.287 χ^2/NDF: 2061.4/60

- sign -108.081+/-0.418 χ^2/NDF: 1090.5/30

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -111.548+/-0.385 χ^2/NDF:752.8/13

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

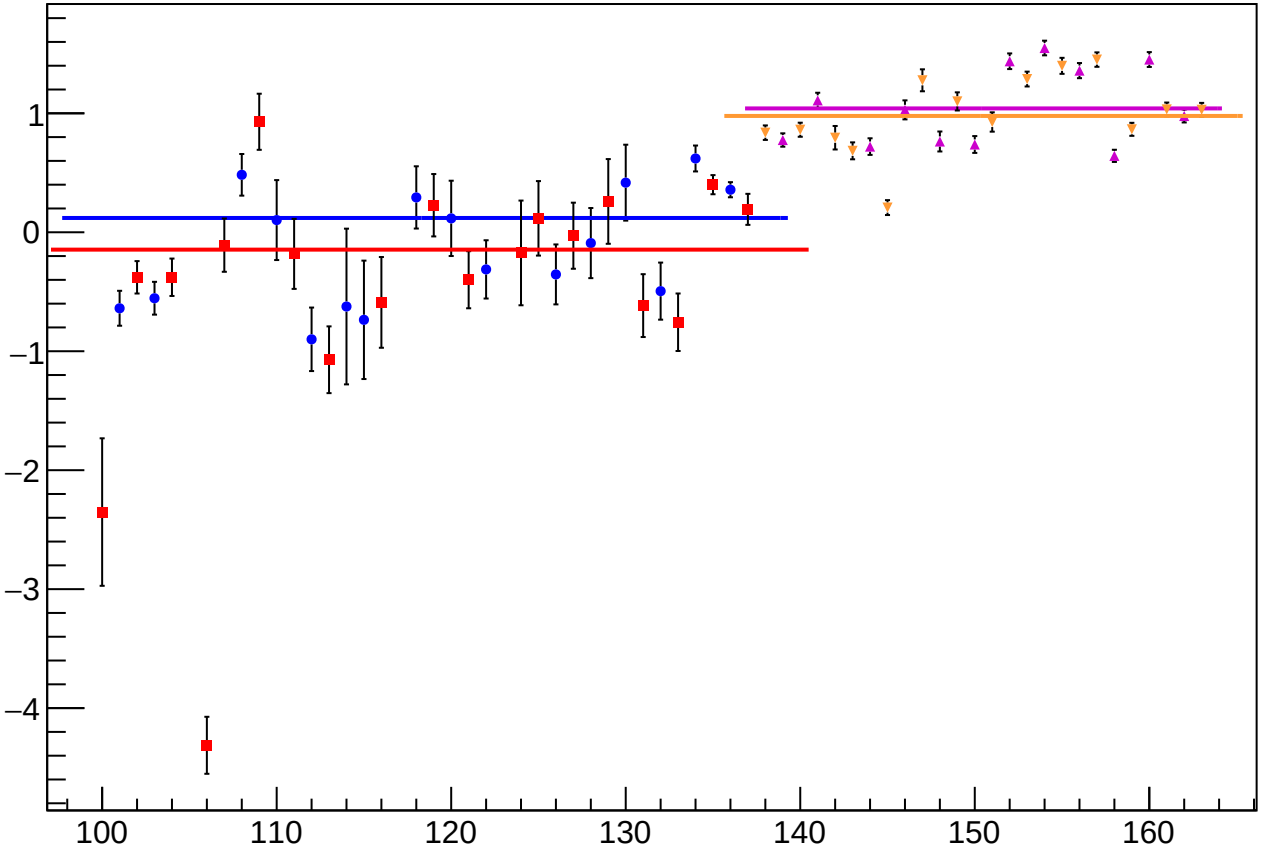
Left In: -108.917+/-0.411 χ^2/NDF:1483.0/11

+ sign -108.929+/-0.346 χ^2/NDF: 2326.4/29

All: -107.898+/-0.253 χ^2/NDF: 5212.9/60

- sign -106.726+/-0.369 χ^2/NDF: 2867.7/30

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.978+/-0.018 χ^2/NDF:325.4/13

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

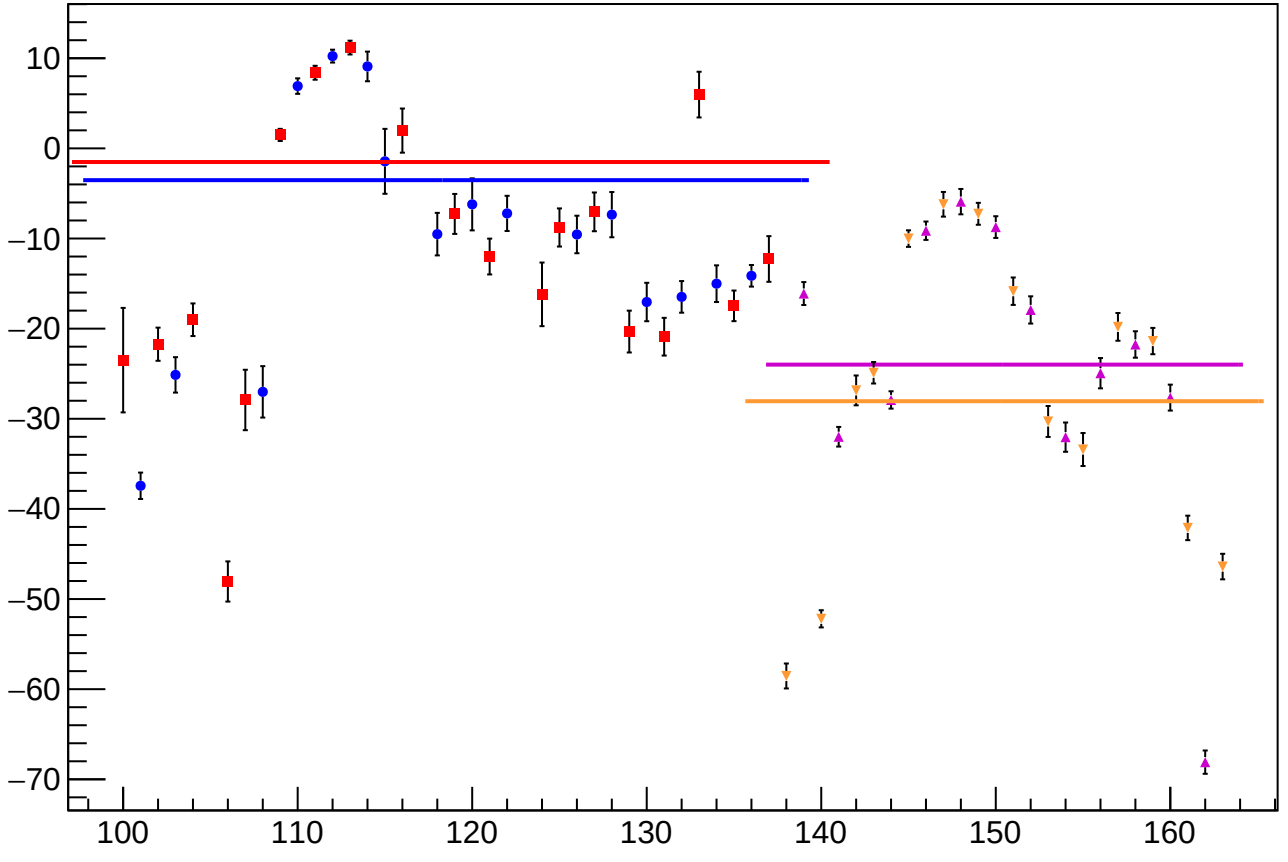
Left In: 1.041+/-0.018 χ^2/NDF:308.2/11

+ sign 0.846+/-0.016 χ^2/NDF: 815.4/29

All: 0.858+/-0.012 χ^2/NDF: 2145.4/60

- sign 0.871+/-0.017 χ^2/NDF: 1328.7/30

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -28.051+/-0.352 χ^2/NDF:2464.3/13

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

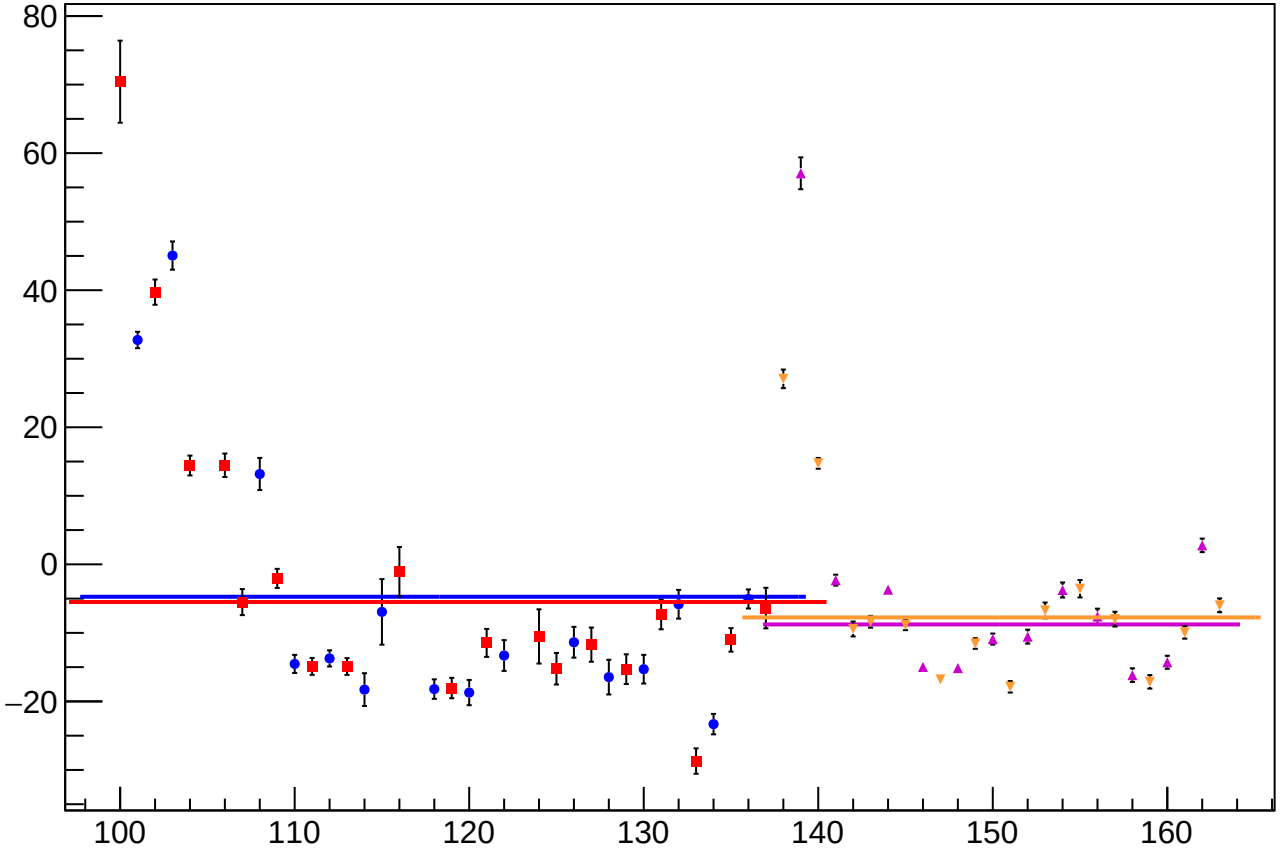
Left In: -23.991+/-0.367 χ^2/NDF:1861.7/11

+ sign -16.633+/-0.257 χ^2/NDF: 6257.6/29

All: -14.156+/-0.179 χ^2/NDF: 11849.1/60

- sign -11.834+/-0.249 χ^2/NDF: 5411.6/30

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.745+/-0.242 χ^2/NDF:1956.1/13

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

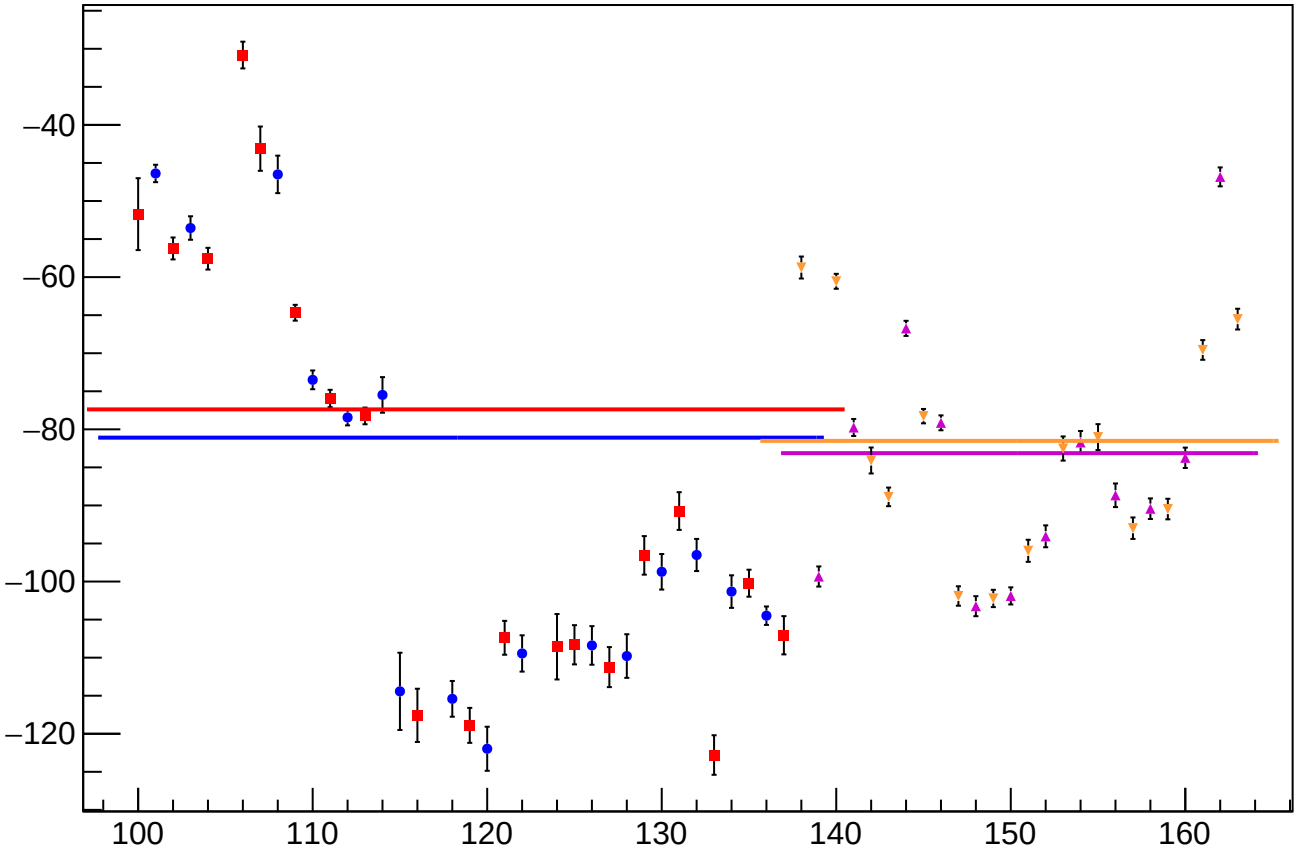
Left In: -8.767+/-0.251 χ^2/NDF:1369.0/11

+ sign -7.021+/-0.211 χ^2/NDF: 4141.3/29

All: -7.457+/-0.151 χ^2/NDF: 7072.1/60

- sign -7.912+/-0.216 χ^2/NDF: 2922.1/30

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -81.516+/-0.344 χ^2/NDF:1775.0/13

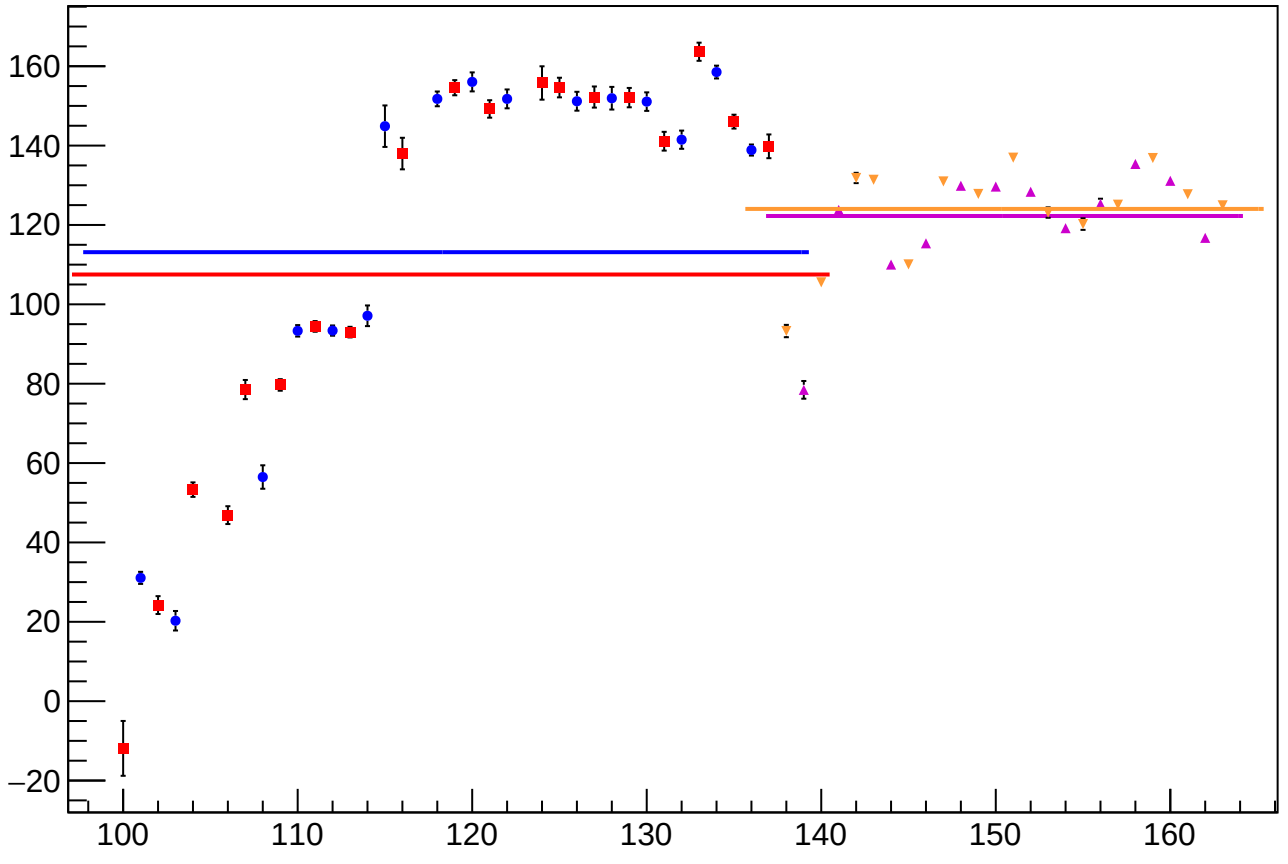
Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -83.130+/-0.356 χ^2/NDF:1912.2/11

+ sign -81.354+/-0.271 χ^2/NDF: 4645.9/29

All: -81.029+/-0.191 χ^2/NDF: 9800.6/60

- sign -80.703+/-0.271 χ^2/NDF: 5151.9/30



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 124.043+/-0.285 χ^2/NDF:1516.8/13

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

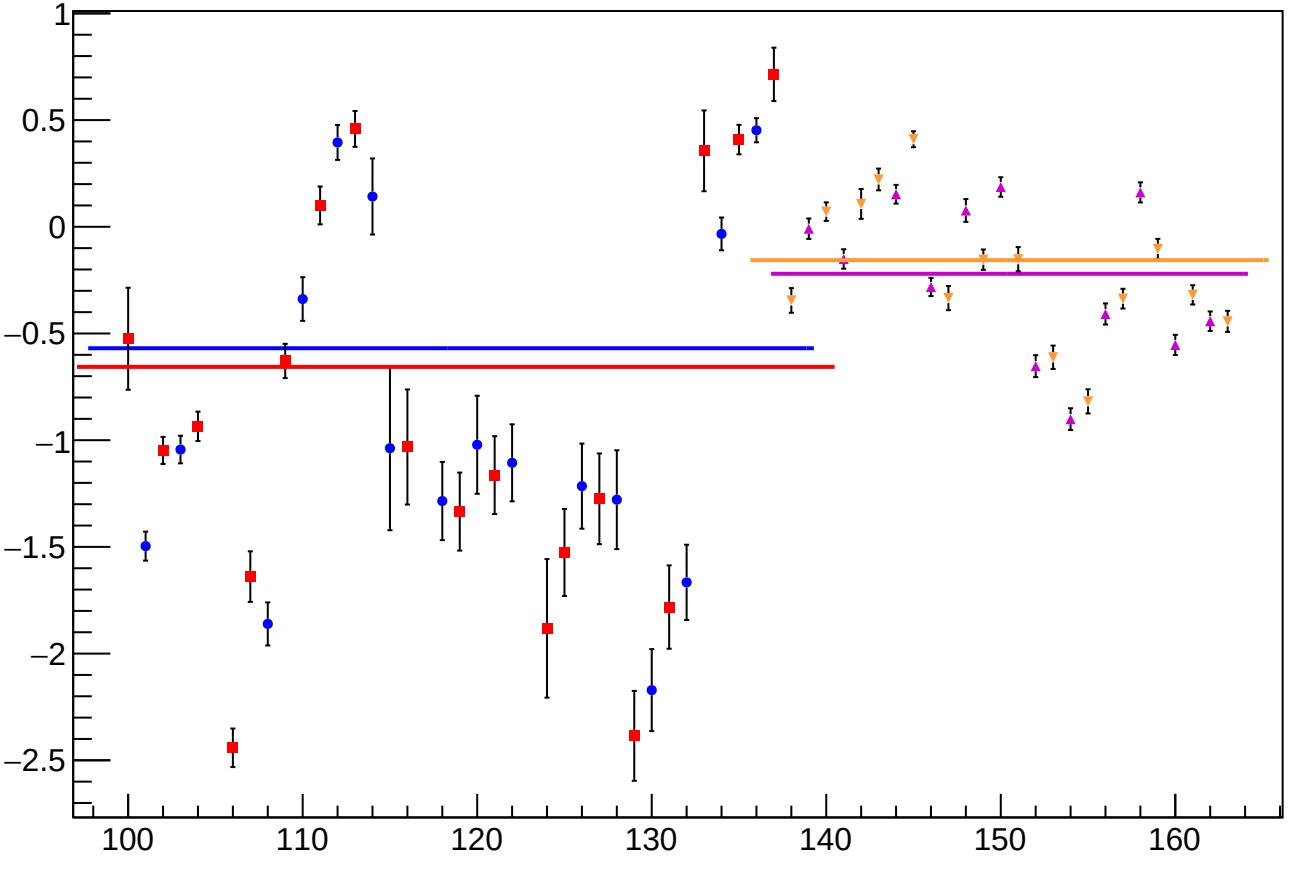
Left In: 122.260+/-0.295 χ^2/NDF:1111.9/11

+ sign 121.283+/-0.246 χ^2/NDF: 10092.0/29

All: 119.779+/-0.176 χ^2/NDF: 19510.7/60

- sign 118.213+/-0.251 χ^2/NDF: 9342.4/30

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.156+/-0.013 χ^2/NDF:615.2/13

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

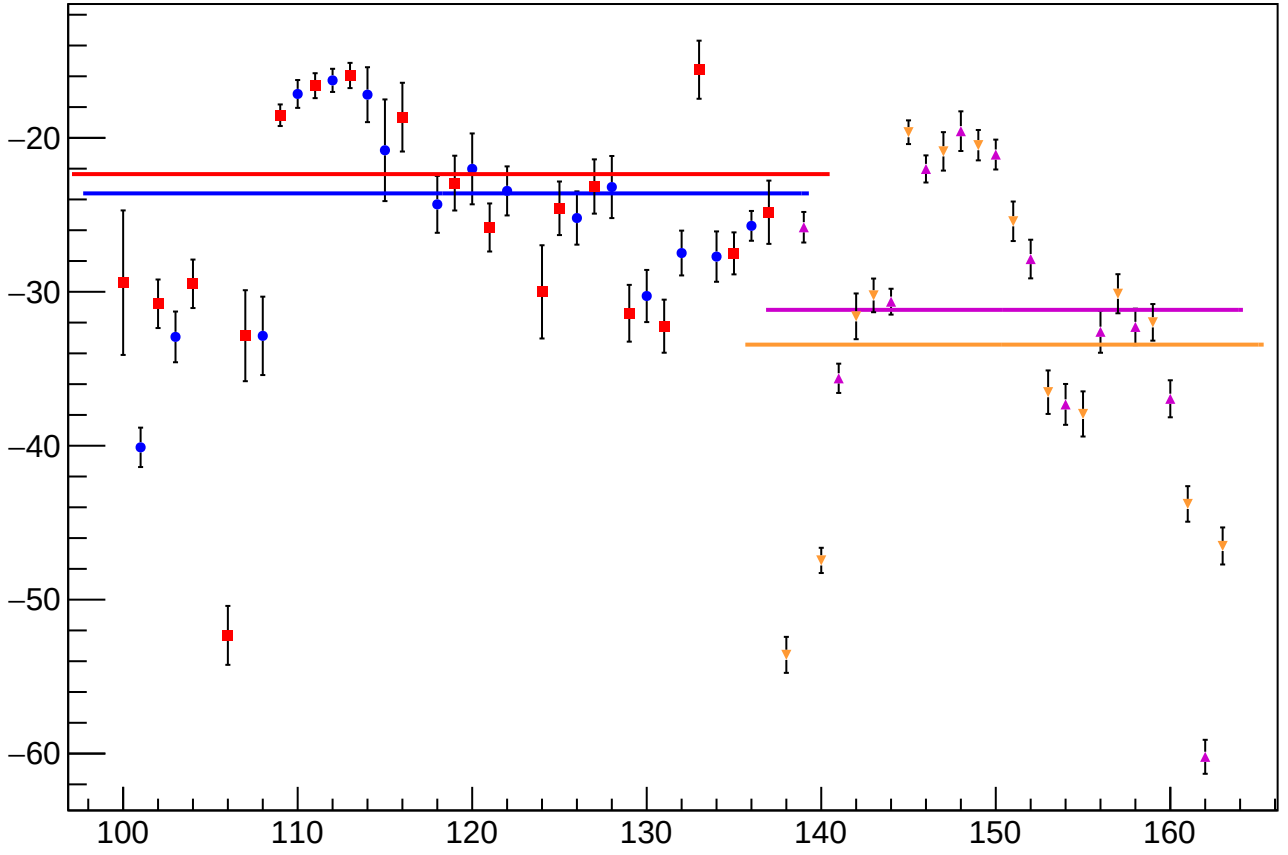
Left In: -0.220+/-0.014 χ^2/NDF:608.0/11

+ sign -0.243+/-0.012 χ^2/NDF: 1915.1/29

All: -0.280+/-0.008 χ^2/NDF: 4090.3/60

- sign -0.319+/-0.012 χ^2/NDF: 2154.6/30

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.432+/-0.299 χ^2/NDF:1454.2/13

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

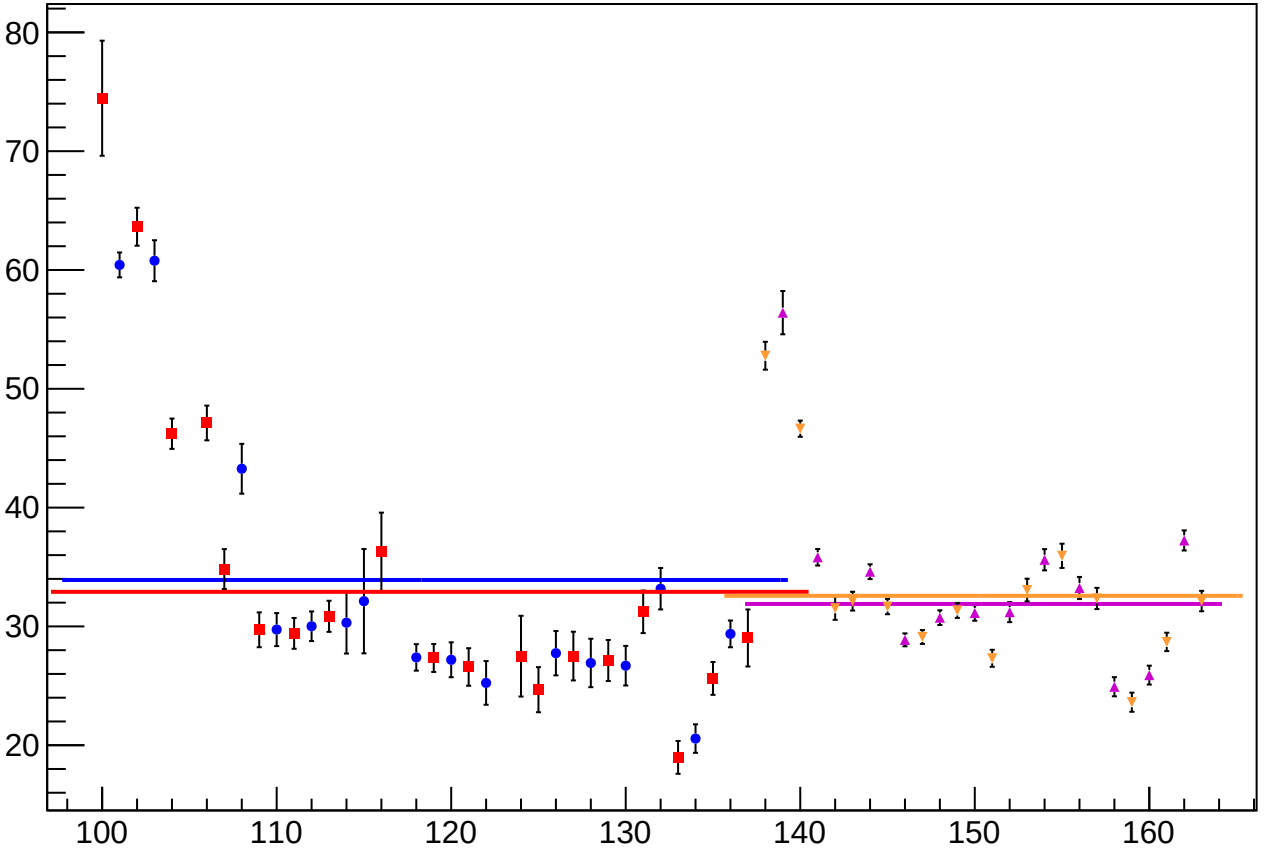
Left In: -31.173+/-0.309 χ^2/NDF:1093.7/11

+ sign -29.267+/-0.227 χ^2/NDF: 2319.1/29

All: -28.083+/-0.159 χ^2/NDF: 4408.7/60

- sign -26.938+/-0.223 χ^2/NDF: 2035.9/30

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.208 χ^2/NDF:978.5/13

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

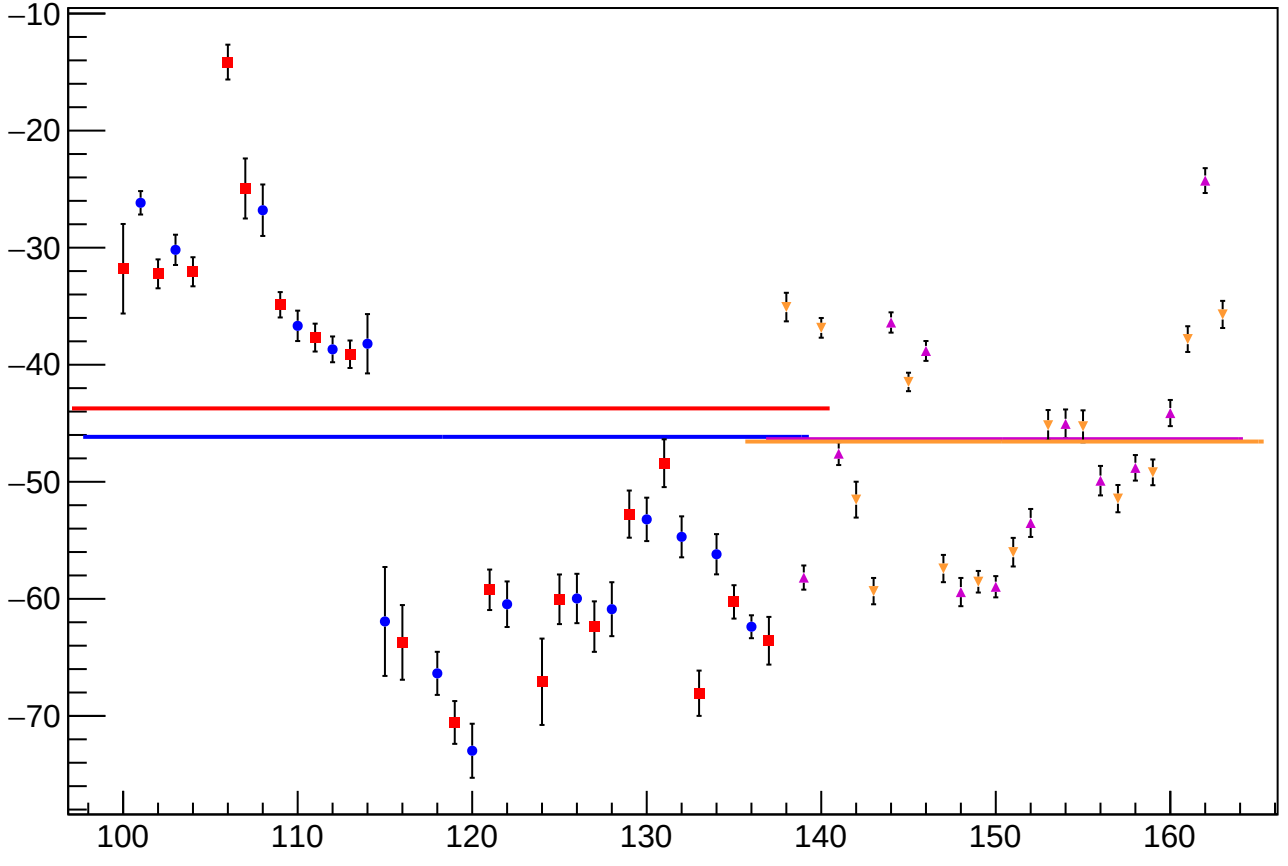
Left In: 31.890+/-0.215 χ^2/NDF:459.0/11

+ sign 32.888+/-0.182 χ^2/NDF: 2172.6/29

All: 32.526+/-0.130 χ^2/NDF: 3520.3/60

- sign 32.146+/-0.186 χ^2/NDF: 1339.6/30

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -46.562+/-0.292 χ^2/NDF:894.1/13

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

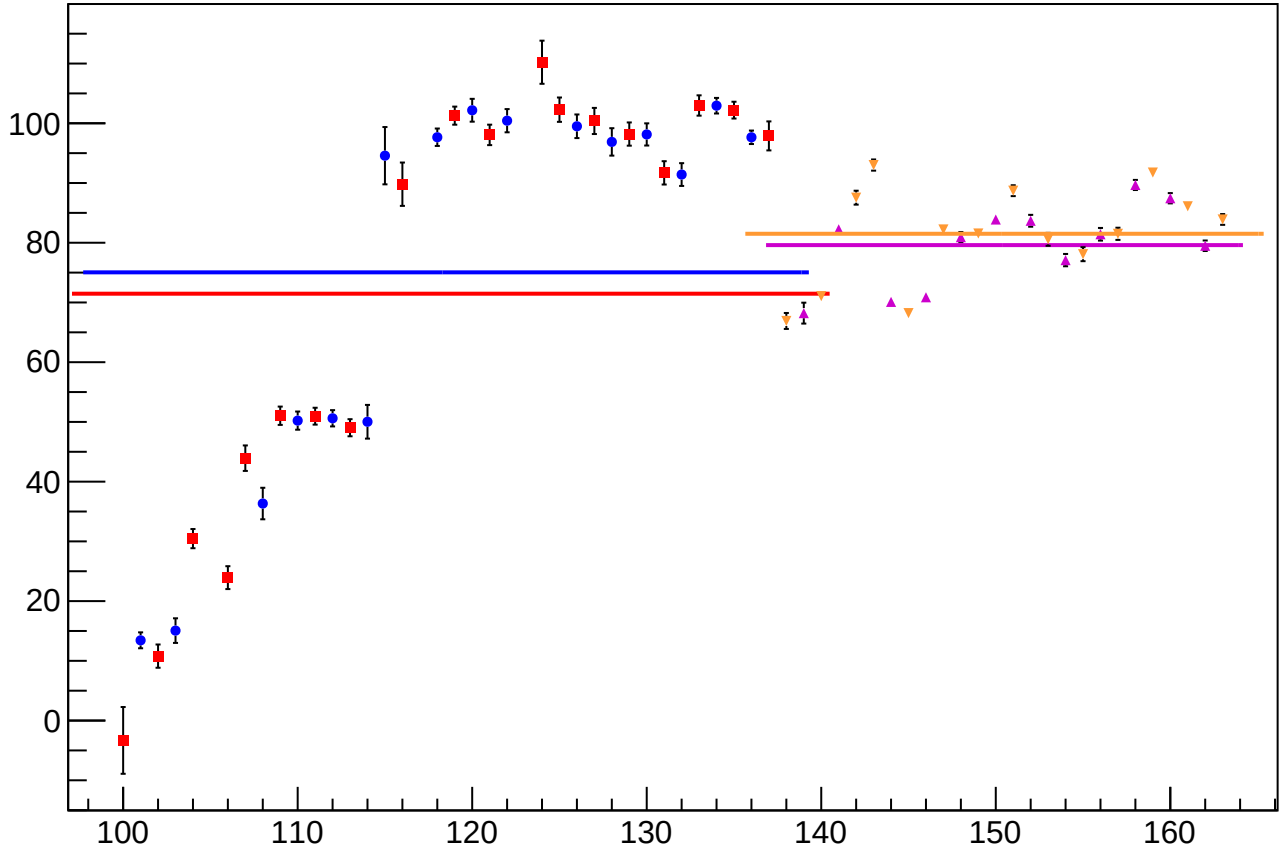
Left In: -46.359+/-0.300 χ^2/NDF:1141.1/11

+ sign -46.417+/-0.234 χ^2/NDF: 2384.4/29

All: -45.884+/-0.166 χ^2/NDF: 5229.0/60

- sign -45.345+/-0.235 χ^2/NDF: 2834.1/30

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.501+/-0.243 χ^2/NDF:1043.0/13

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

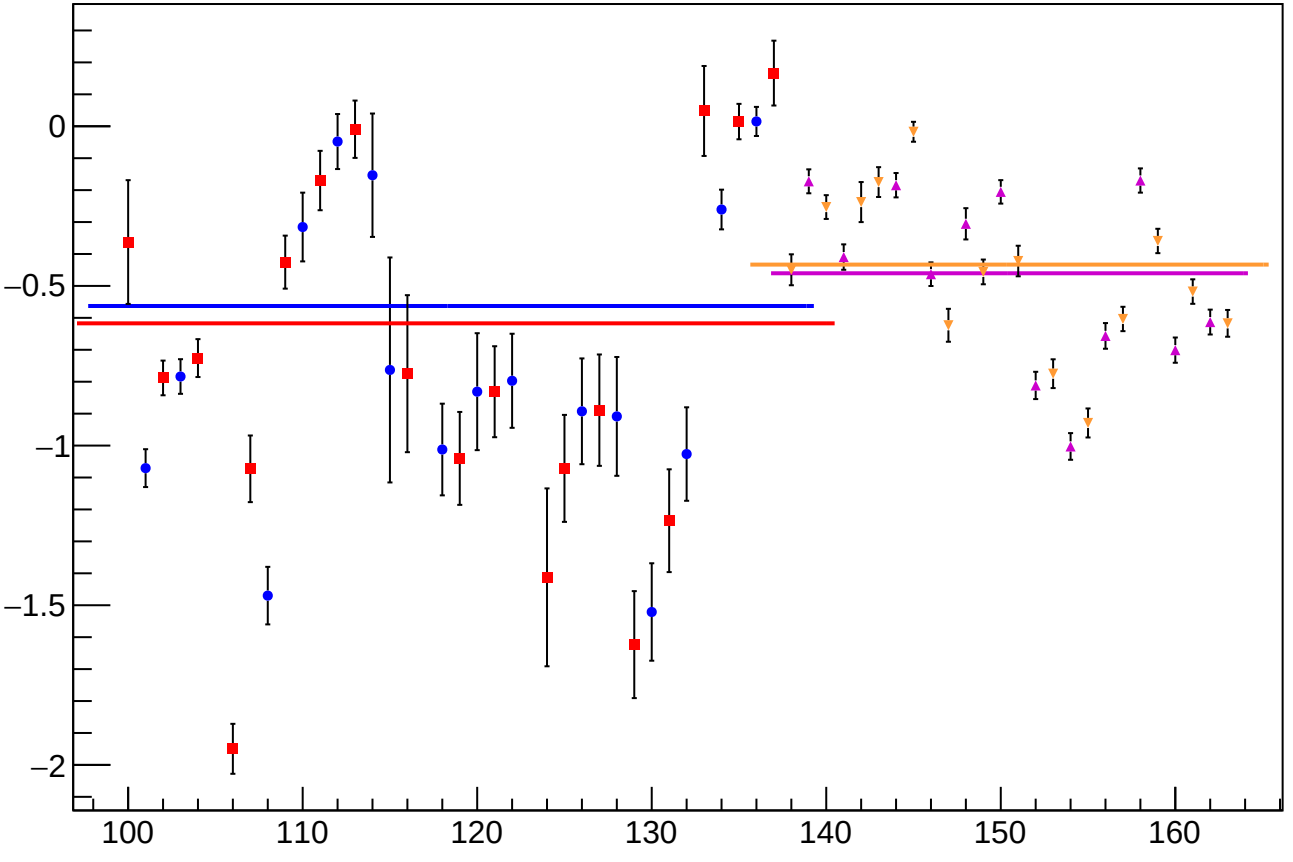
Left In: 79.603+/-0.251 χ^2/NDF:677.7/11

+ sign 79.924+/-0.211 χ^2/NDF: 7044.0/29

All: 78.743+/-0.151 χ^2/NDF: 13685.1/60

- sign 77.508+/-0.216 χ^2/NDF: 6577.1/30

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.433+/-0.011 χ^2/NDF:479.9/13

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

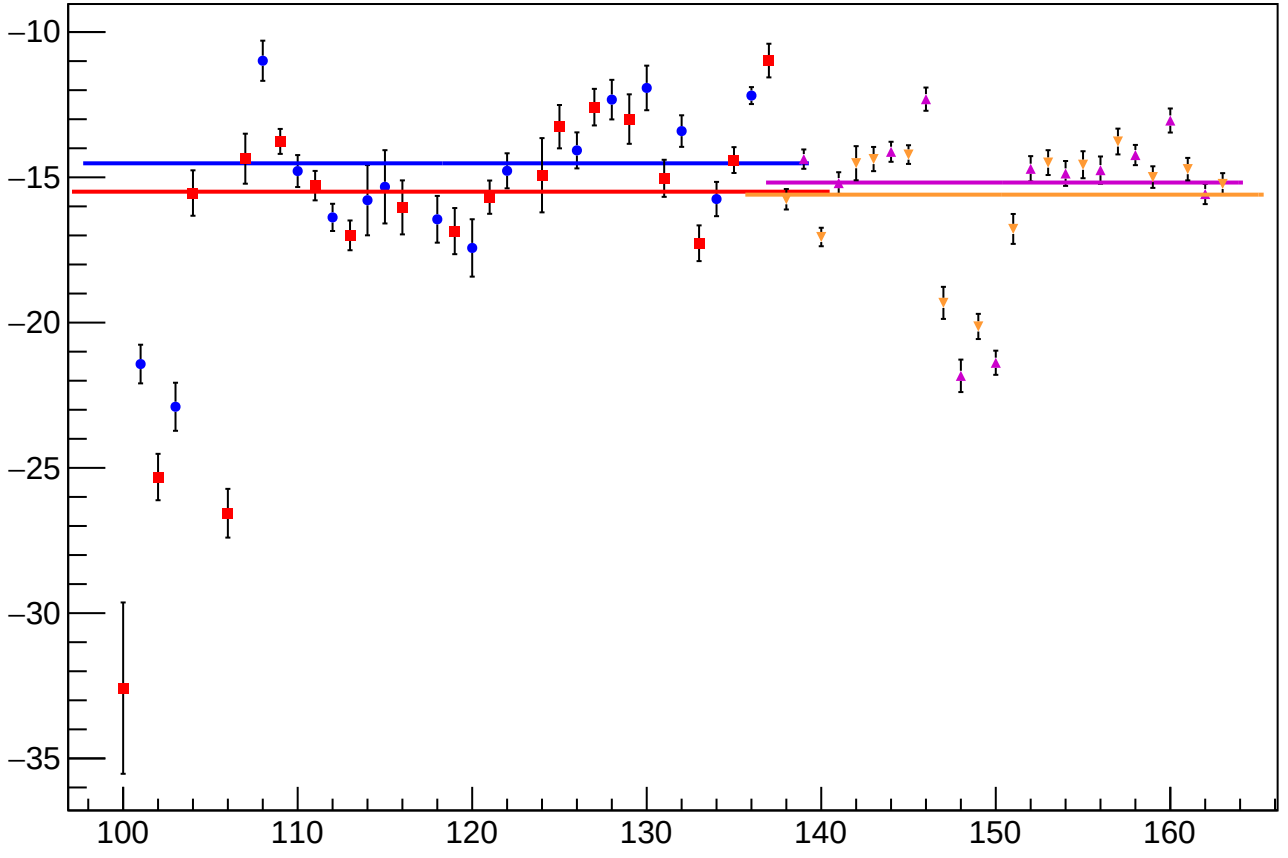
Left In: -0.460+/-0.011 χ^2/NDF:542.0/11

+ sign -0.459+/-0.010 χ^2/NDF: 1000.0/29

All: -0.476+/-0.007 χ^2/NDF: 2277.2/60

- sign -0.493+/-0.010 χ^2/NDF: 1271.5/30

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: -15.596+/-0.108 χ^2/NDF:249.4/13

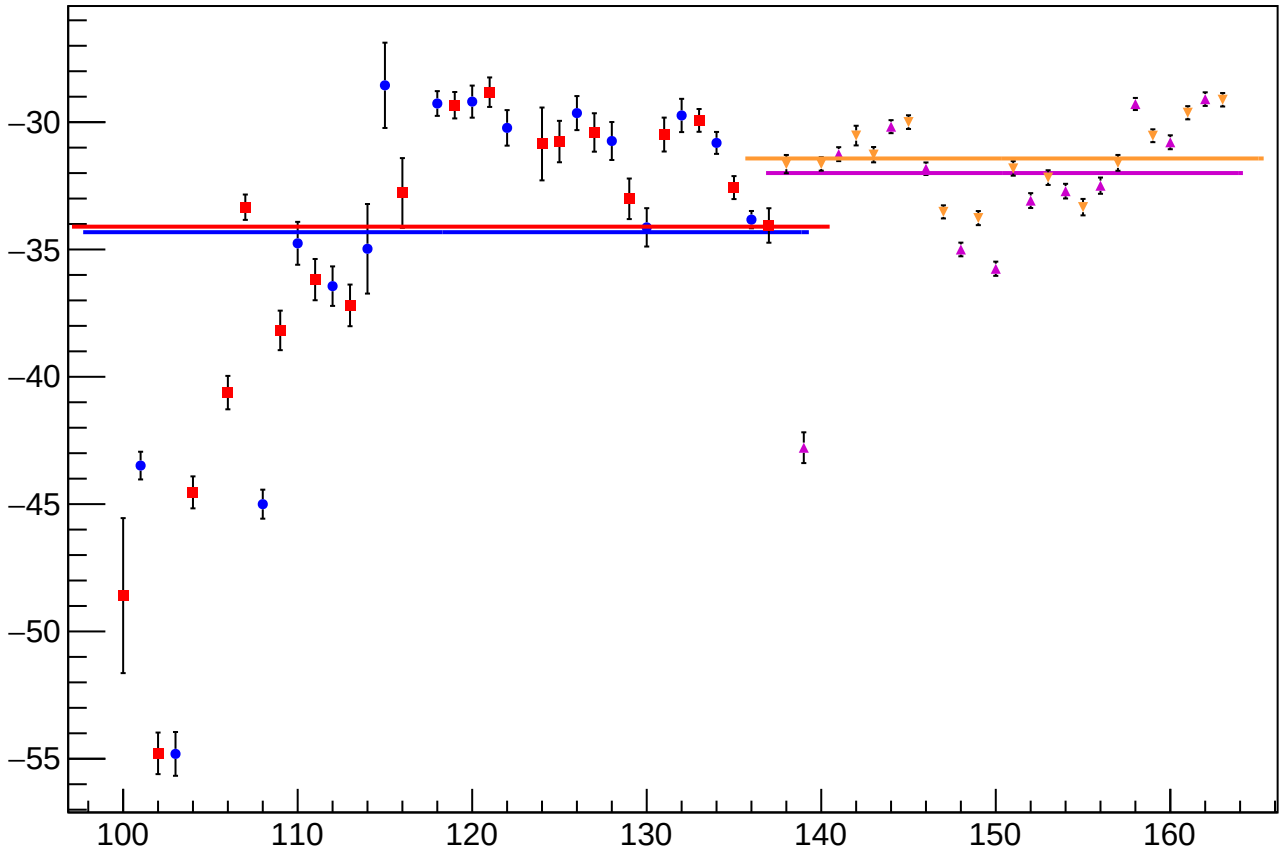
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.179+/-0.114 χ^2/NDF:468.8/11

+ sign -15.224+/-0.088 χ^2/NDF: 646.8/29

All: -15.258+/-0.063 χ^2/NDF: 1622.6/60

- sign -15.294+/-0.091 χ^2/NDF: 975.4/30



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.426+/-0.077 χ^2/NDF:353.0/13

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

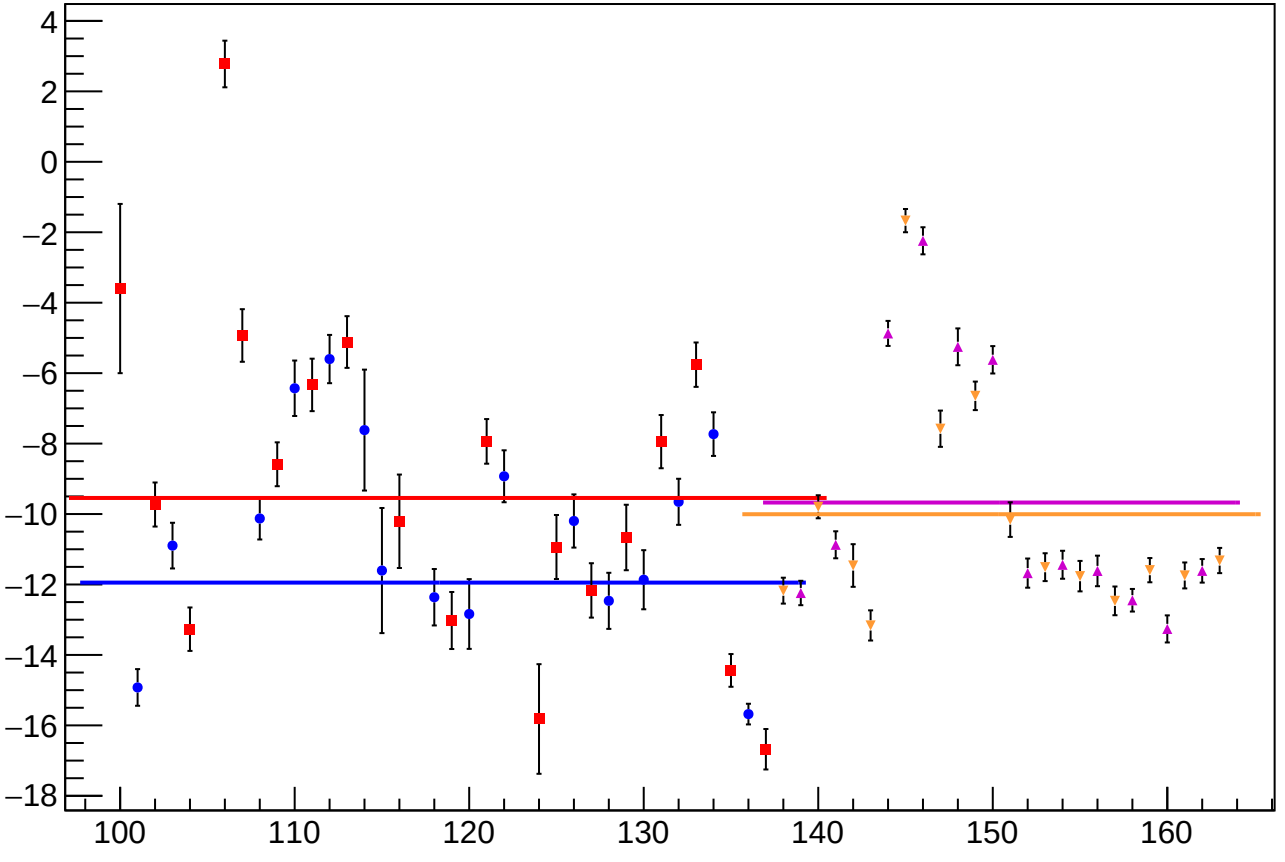
Left In: -31.998+/-0.081 χ^2/NDF:972.8/11

+ sign -32.004+/-0.068 χ^2/NDF: 2259.0/29

All: -32.218+/-0.049 χ^2/NDF: 4833.5/60

- sign -32.452+/-0.072 χ^2/NDF: 2554.0/30

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: -10.005+/-0.106 χ^2/NDF:948.8/13

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

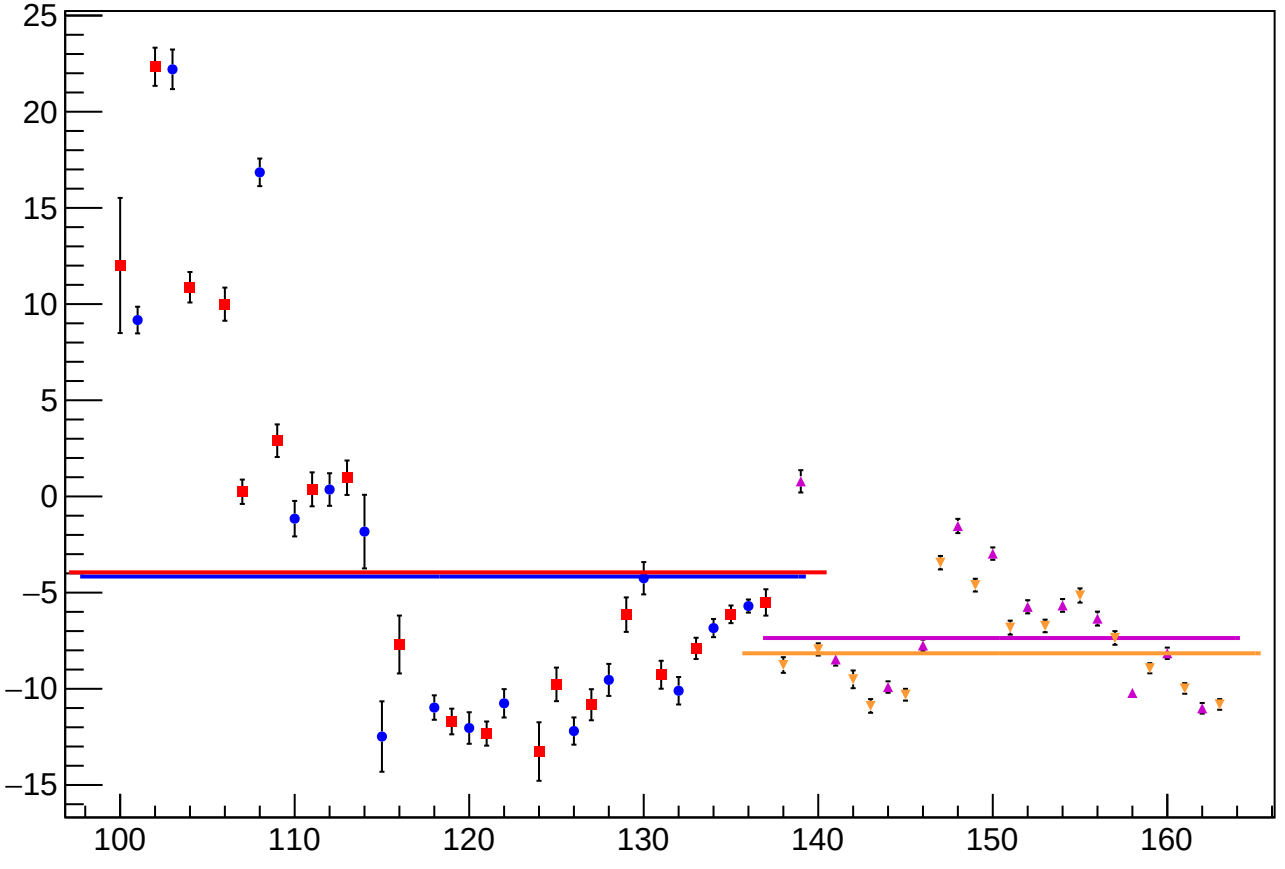
Left In: -9.674+/-0.110 χ^2/NDF:1059.4/11

+ sign -10.594+/-0.088 χ^2/NDF: 1481.1/29

All: -10.131+/-0.063 χ^2/NDF: 3445.3/60

- sign -9.634+/-0.091 χ^2/NDF: 1907.0/30

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: -8.154+/-0.088 χ^2/NDF:660.1/13

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

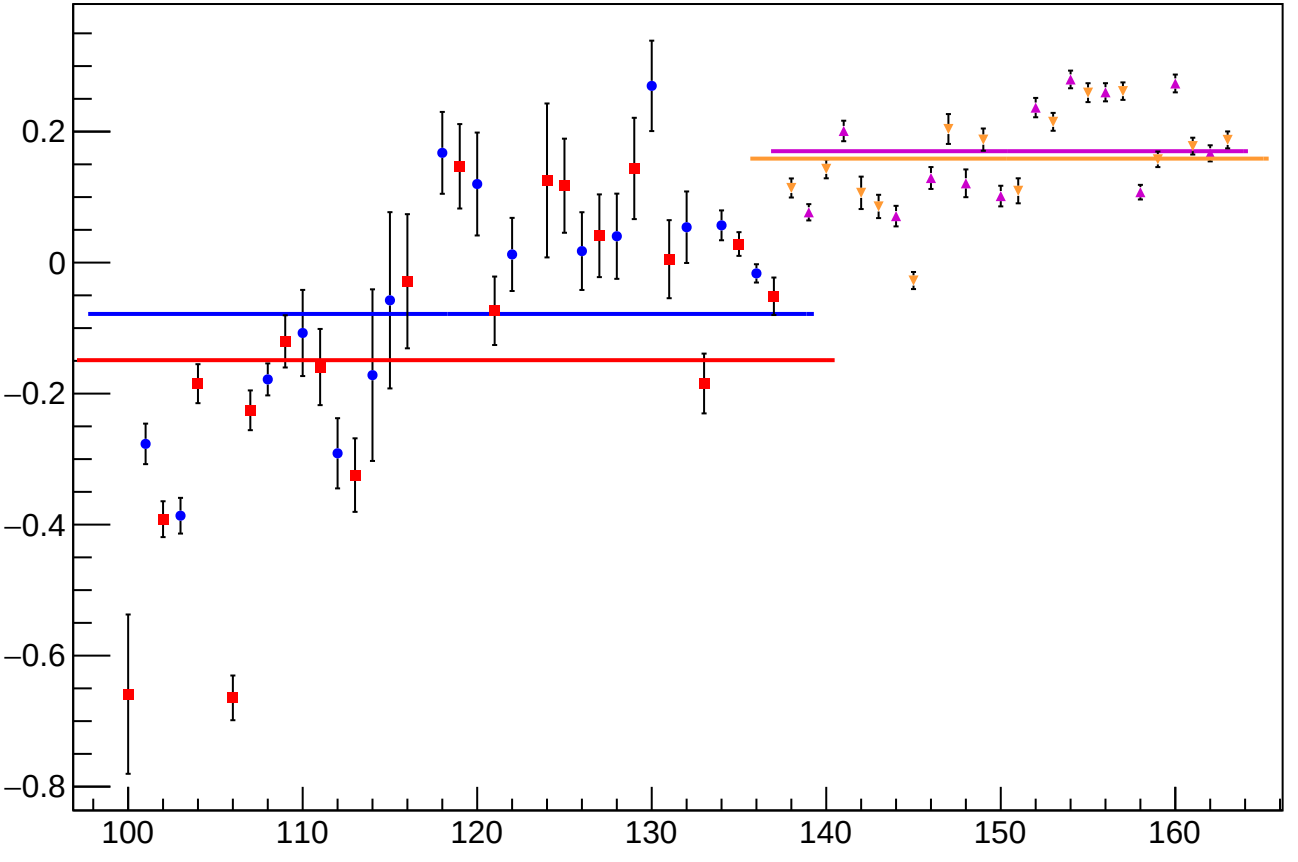
Left In: -7.360+/-0.092 χ^2/NDF:1082.5/11

+ sign -7.324+/-0.078 χ^2/NDF: 3611.8/29

All: -6.988+/-0.057 χ^2/NDF: 7137.5/60

- sign -6.622+/-0.082 χ^2/NDF: 3487.4/30

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.159+/-0.004 χ^2/NDF:381.7/13

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

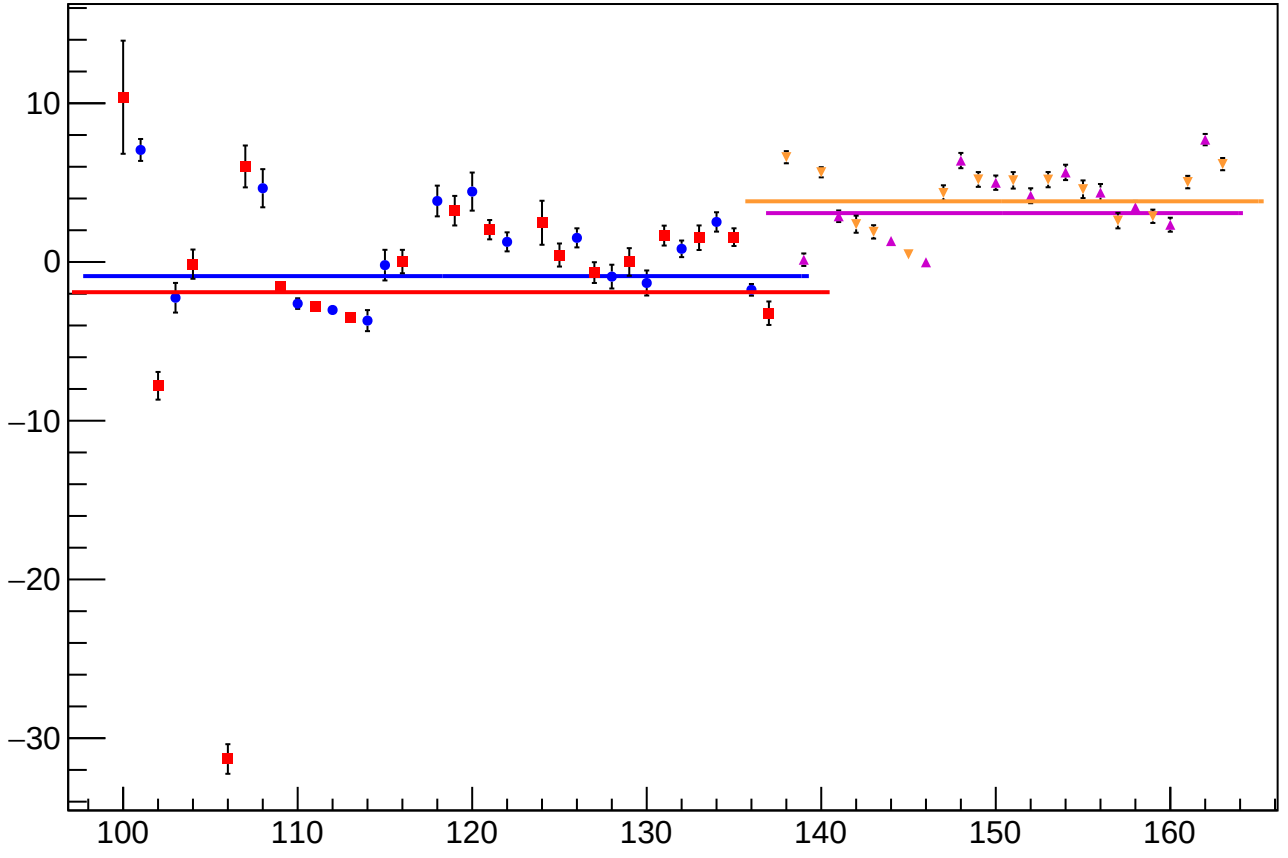
Left In: 0.170+/-0.004 χ^2/NDF:348.2/11

+ sign 0.117+/-0.004 χ^2/NDF: 1330.5/29

All: 0.116+/-0.003 χ^2/NDF: 3230.8/60

- sign 0.116+/-0.004 χ^2/NDF: 1900.4/30

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.823+/-0.108 χ^2/NDF:383.5/13

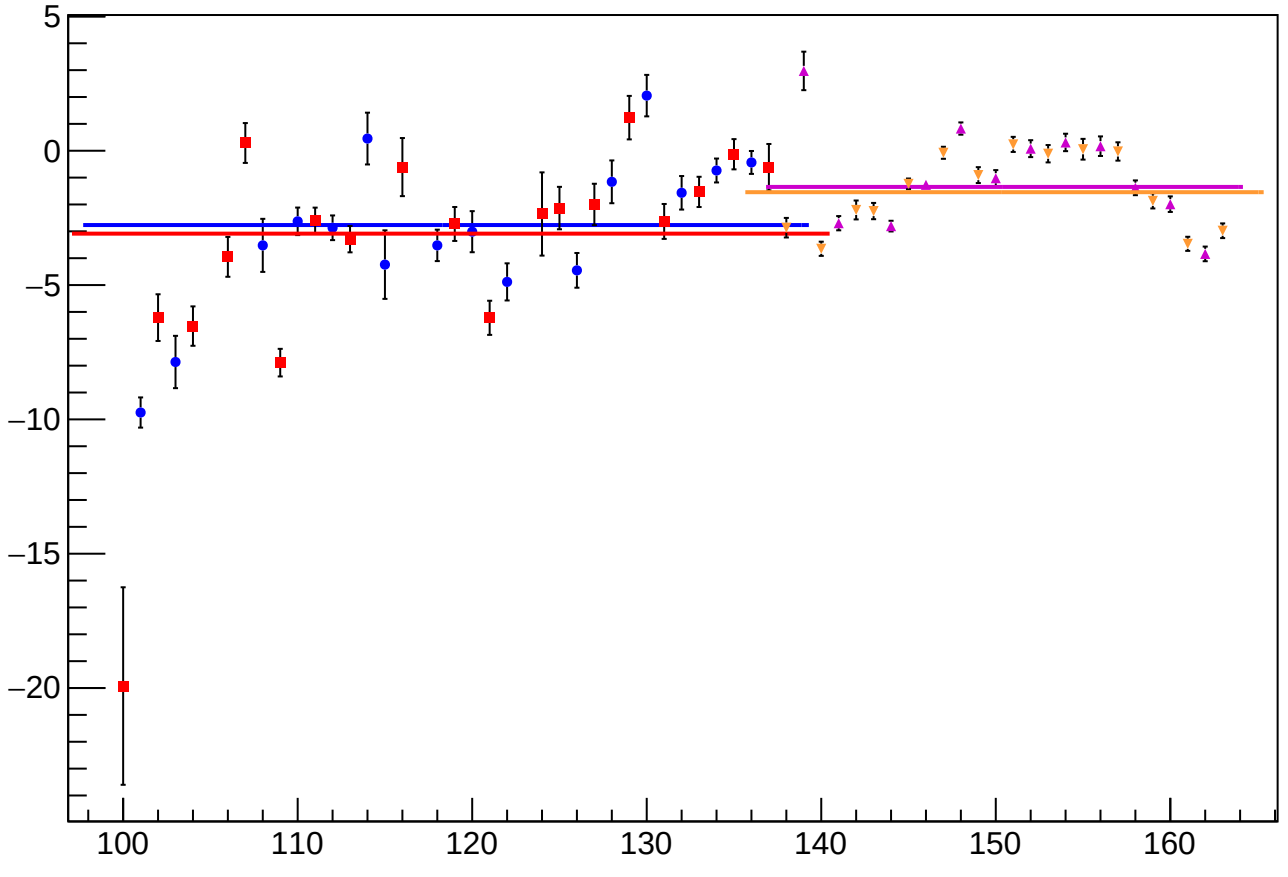
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.079+/-0.112 χ^2/NDF:479.7/11

+ sign 2.007+/-0.085 χ^2/NDF: 1495.0/29

All: 1.461+/-0.060 χ^2/NDF: 4242.2/60

- sign 0.918+/-0.085 χ^2/NDF: 2664.5/30



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.543+/-0.076 χ^2/NDF:314.2/13

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

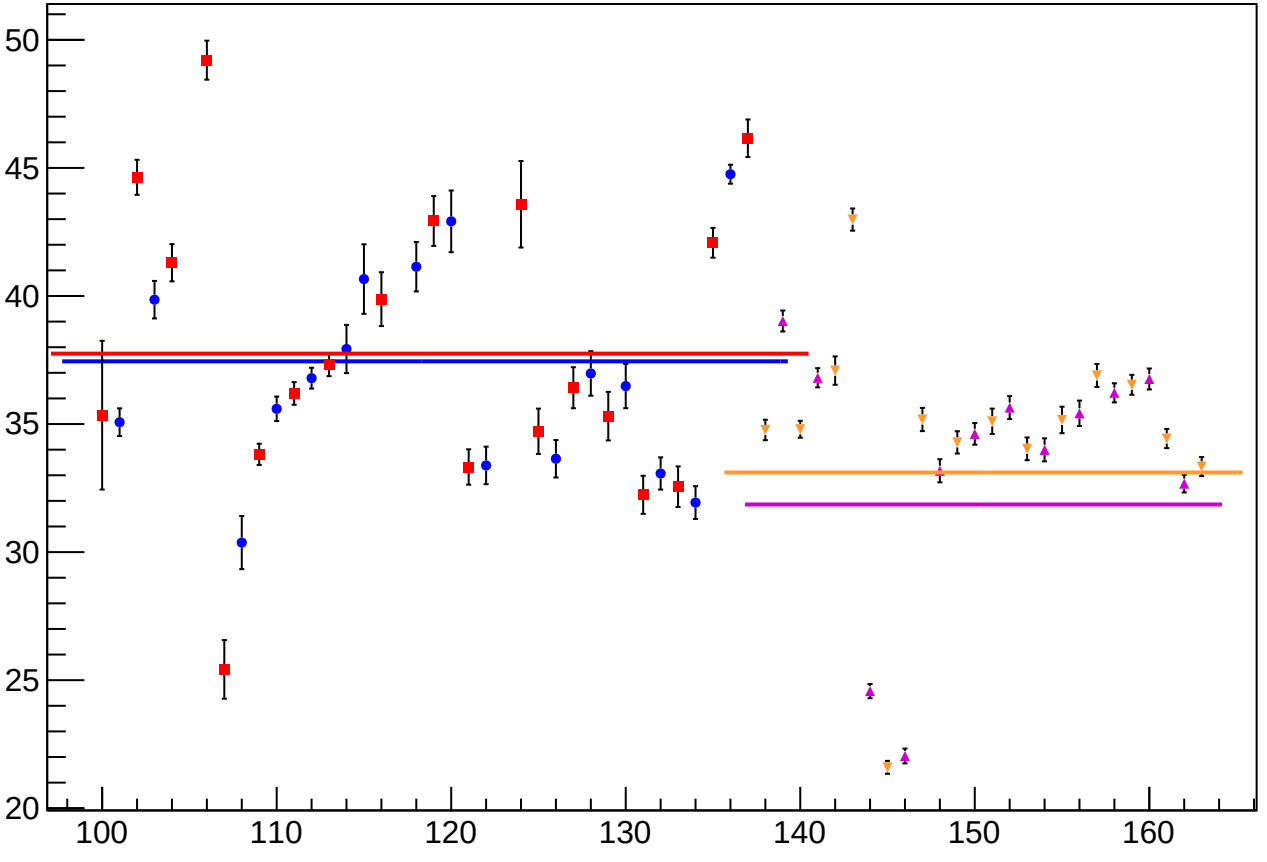
Left In: -1.347+/-0.077 χ^2/NDF:360.2/11

+ sign -1.775+/-0.068 χ^2/NDF: 673.9/29

All: -1.729+/-0.048 χ^2/NDF: 1405.9/60

- sign -1.681+/-0.069 χ^2/NDF: 731.1/30

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: 33.109+/-0.106 χ^2/NDF:2920.3/13

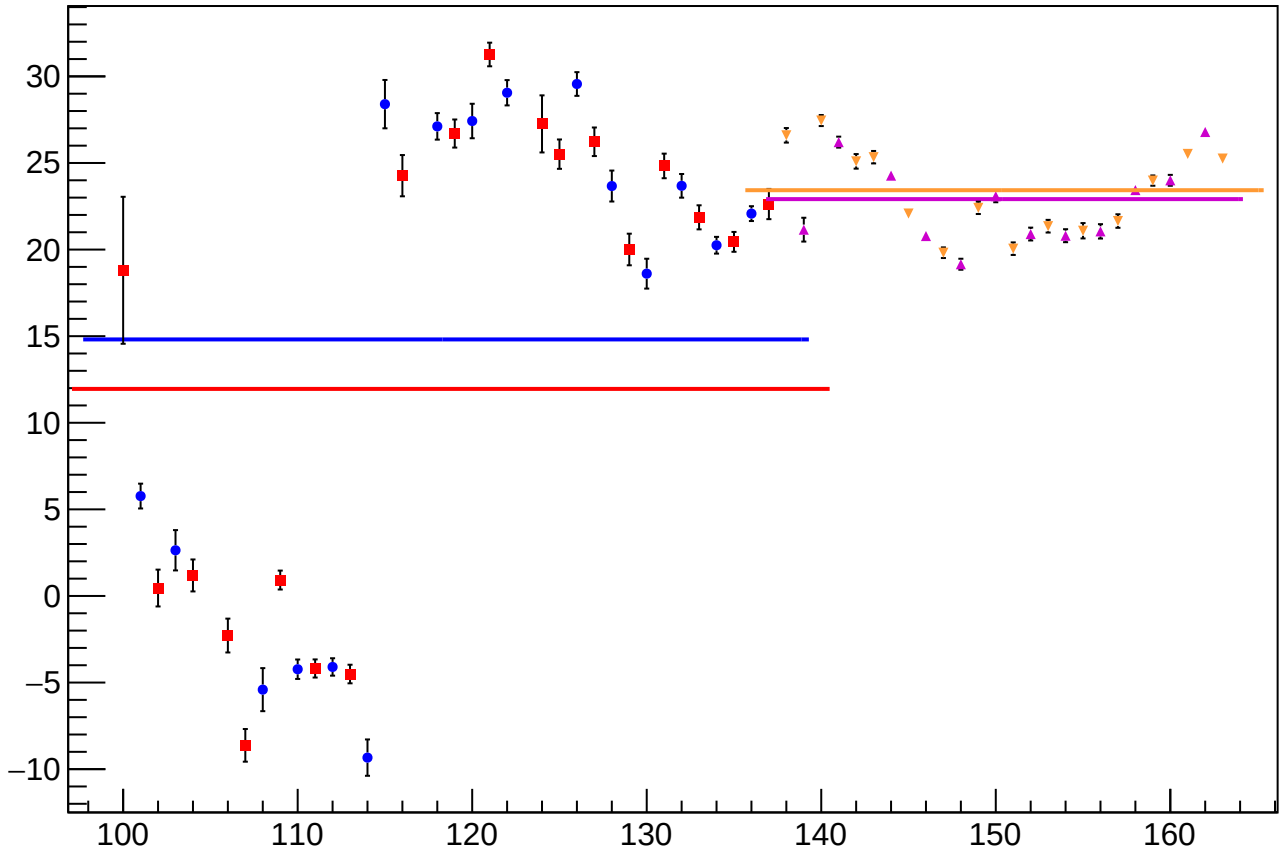
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.860+/-0.109 χ^2/NDF:2795.6/11

+ sign 34.429+/-0.089 χ^2/NDF: 4134.6/29

All: 34.089+/-0.063 χ^2/NDF: 8853.4/60

- sign 33.738+/-0.090 χ^2/NDF: 4688.8/30



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.428+/-0.088 χ^2/NDF:707.5/13

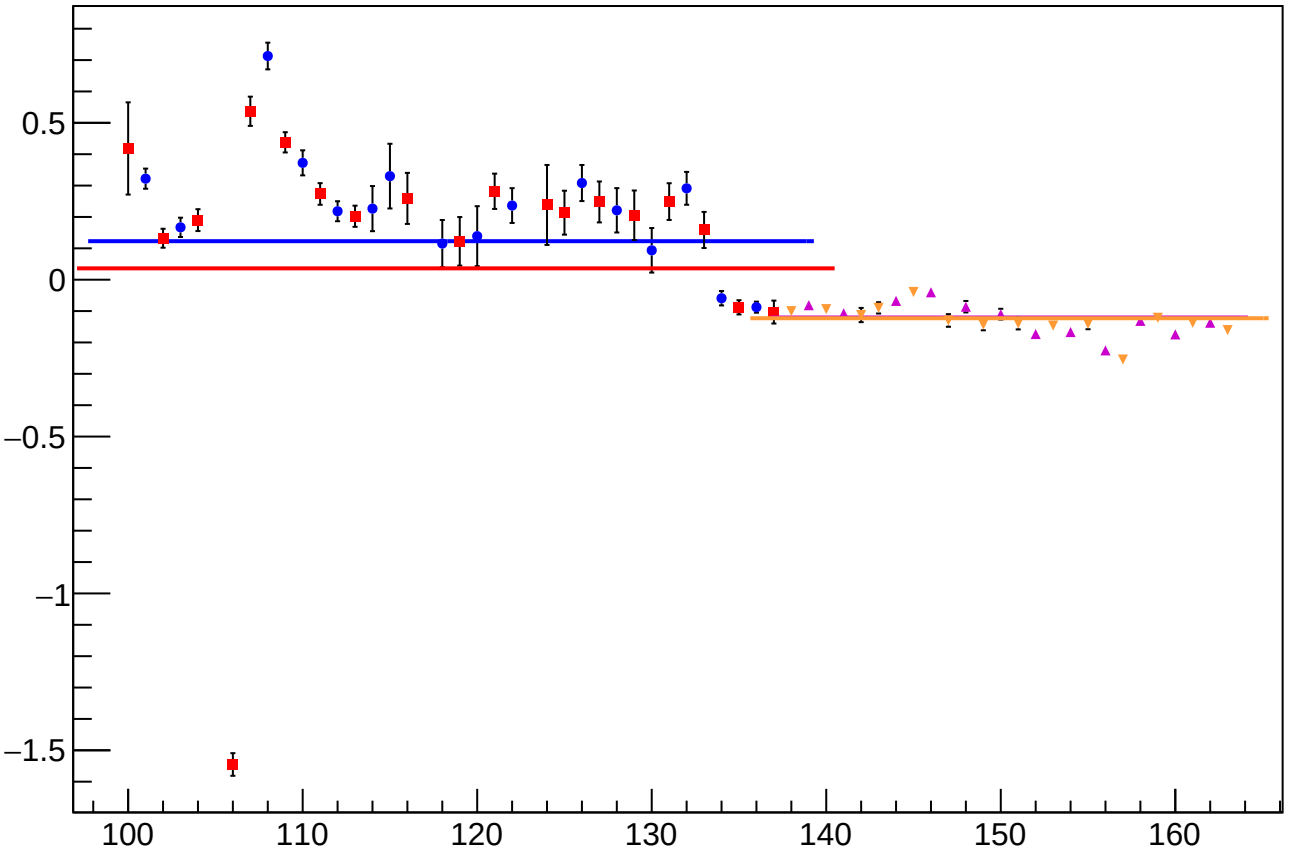
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.913+/-0.090 χ^2/NDF:664.1/11

+ sign 21.672+/-0.079 χ^2/NDF: 8348.8/29

All: 21.176+/-0.056 χ^2/NDF: 18250.3/60

- sign 20.659+/-0.080 χ^2/NDF: 9820.0/30



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.004 χ^2/NDF:174.5/13

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

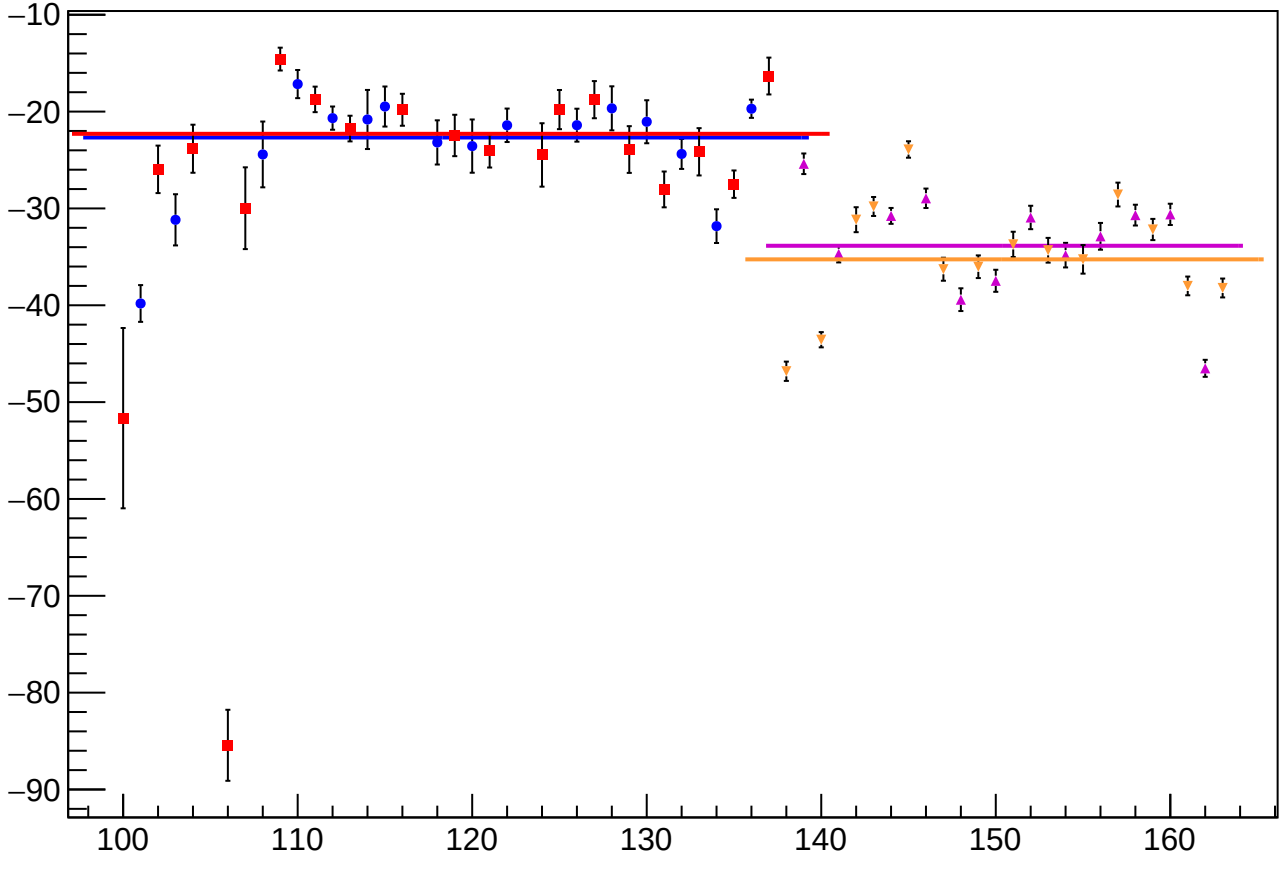
Left In: -0.120+/-0.004 χ^2/NDF:151.5/11

+ sign -0.084+/-0.004 χ^2/NDF: 1269.0/29

All: -0.090+/-0.003 χ^2/NDF: 4057.4/60

- sign -0.096+/-0.004 χ^2/NDF: 2783.3/30

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.259+/-0.284 χ^2/NDF:523.3/13

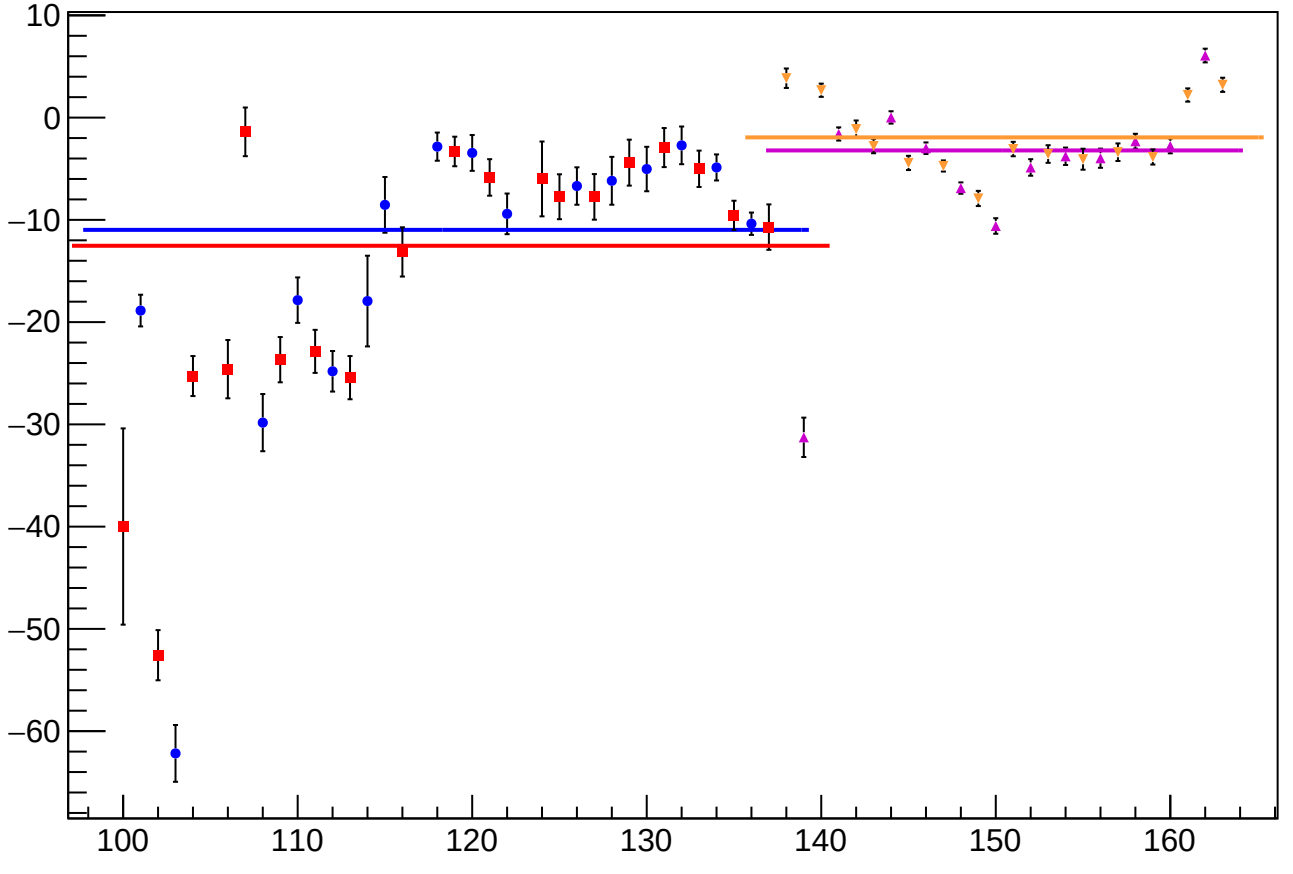
Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -33.855+/-0.302 χ^2/NDF:366.7/11

+ sign -31.485+/-0.238 χ^2/NDF: 1265.0/29

All: -30.819+/-0.172 χ^2/NDF: 2529.7/60

- sign -30.094+/-0.248 χ^2/NDF: 1248.3/30



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.934+/-0.196 χ^2/NDF:309.5/13

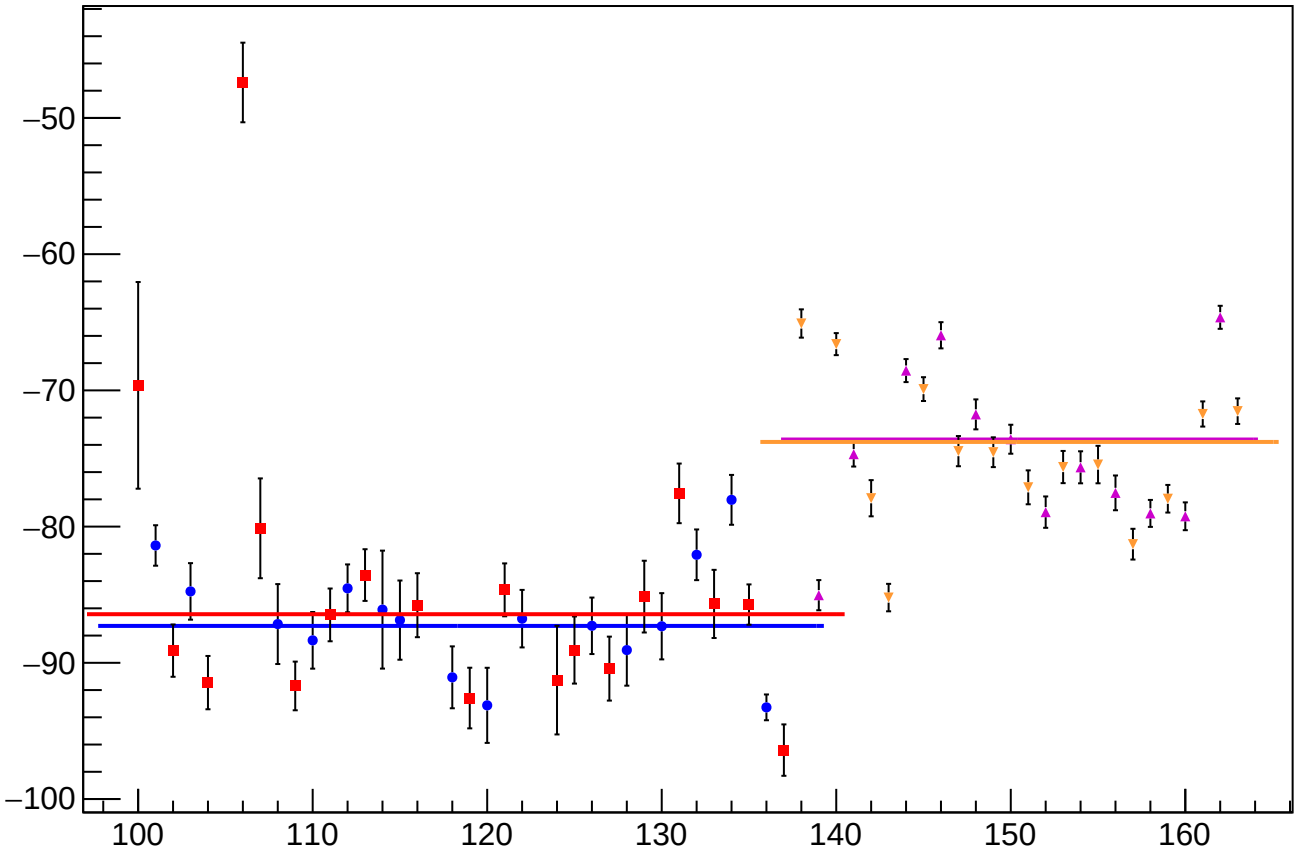
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -3.210+/-0.206 χ^2/NDF:583.7/11

+ sign -3.356+/-0.180 χ^2/NDF: 1232.2/29

All: -3.971+/-0.130 χ^2/NDF: 2730.3/60

- sign -4.654+/-0.189 χ^2/NDF: 1473.4/30



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.784+/-0.278 χ^2/NDF:390.4/13

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

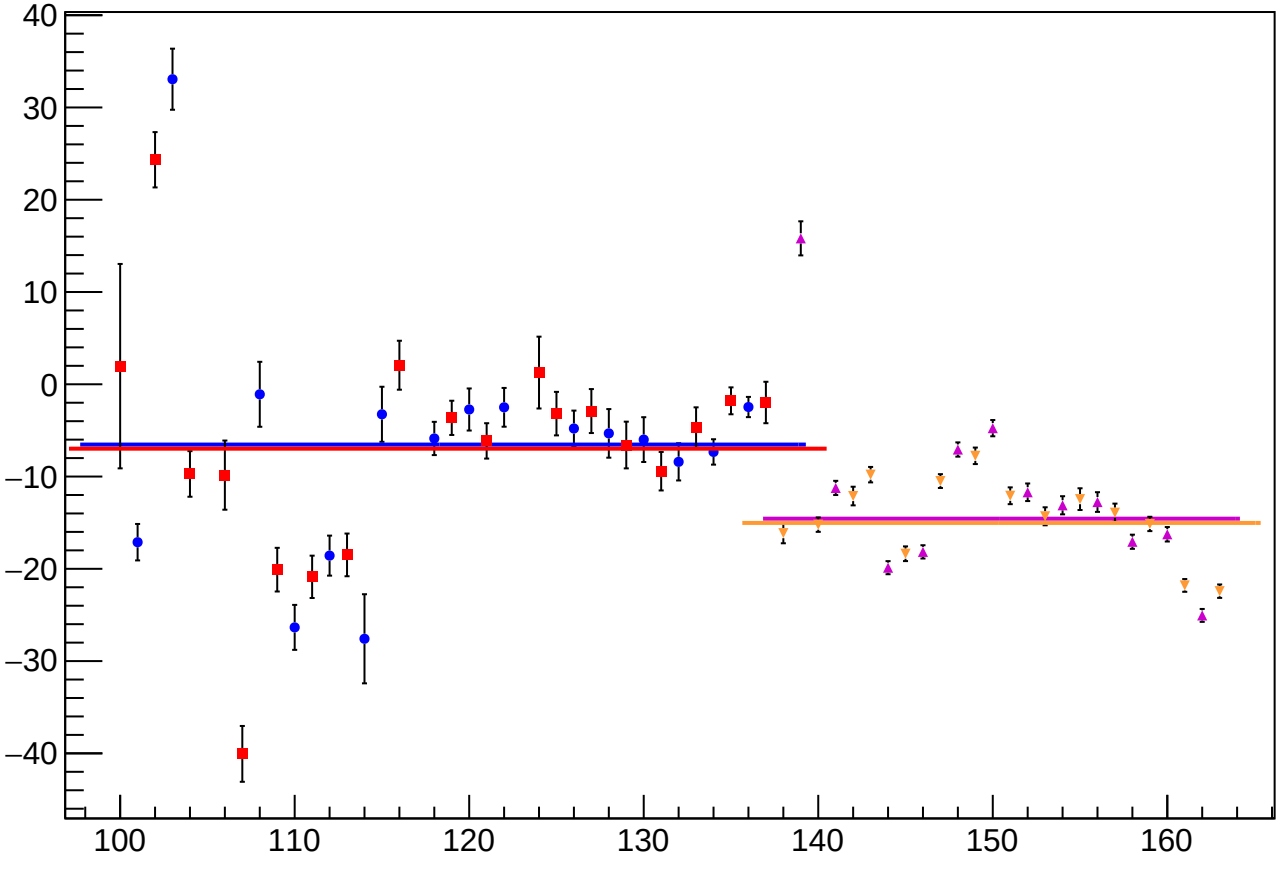
Left In: -73.607+/-0.292 χ^2/NDF:416.9/11

\+ sign -77.176+/-0.241 χ^2/NDF: 1083.1/29

All: -77.007+/-0.175 χ^2/NDF: 2247.4/60

\- sign -76.819+/-0.253 χ^2/NDF: 1163.3/30

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -15.026+/-0.229 χ^2/NDF:384.8/13

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

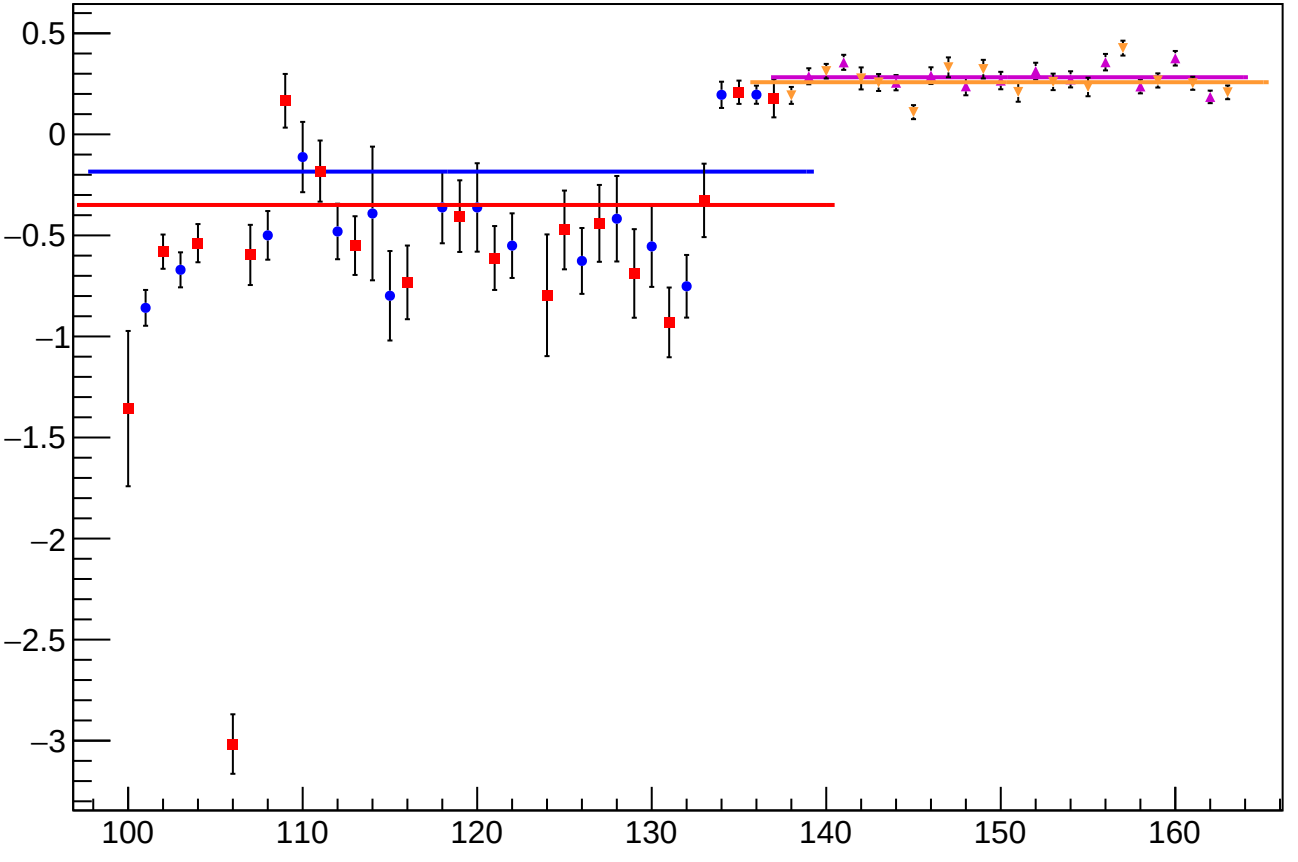
Left In: -14.565+/-0.241 χ^2/NDF:842.7/11

+ sign -13.594+/-0.209 χ^2/NDF: 931.1/29

All: -13.461+/-0.151 χ^2/NDF: 2306.7/60

- sign -13.313+/-0.220 χ^2/NDF: 1374.8/30

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: 0.258+/-0.011 χ^2/NDF:51.7/13

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

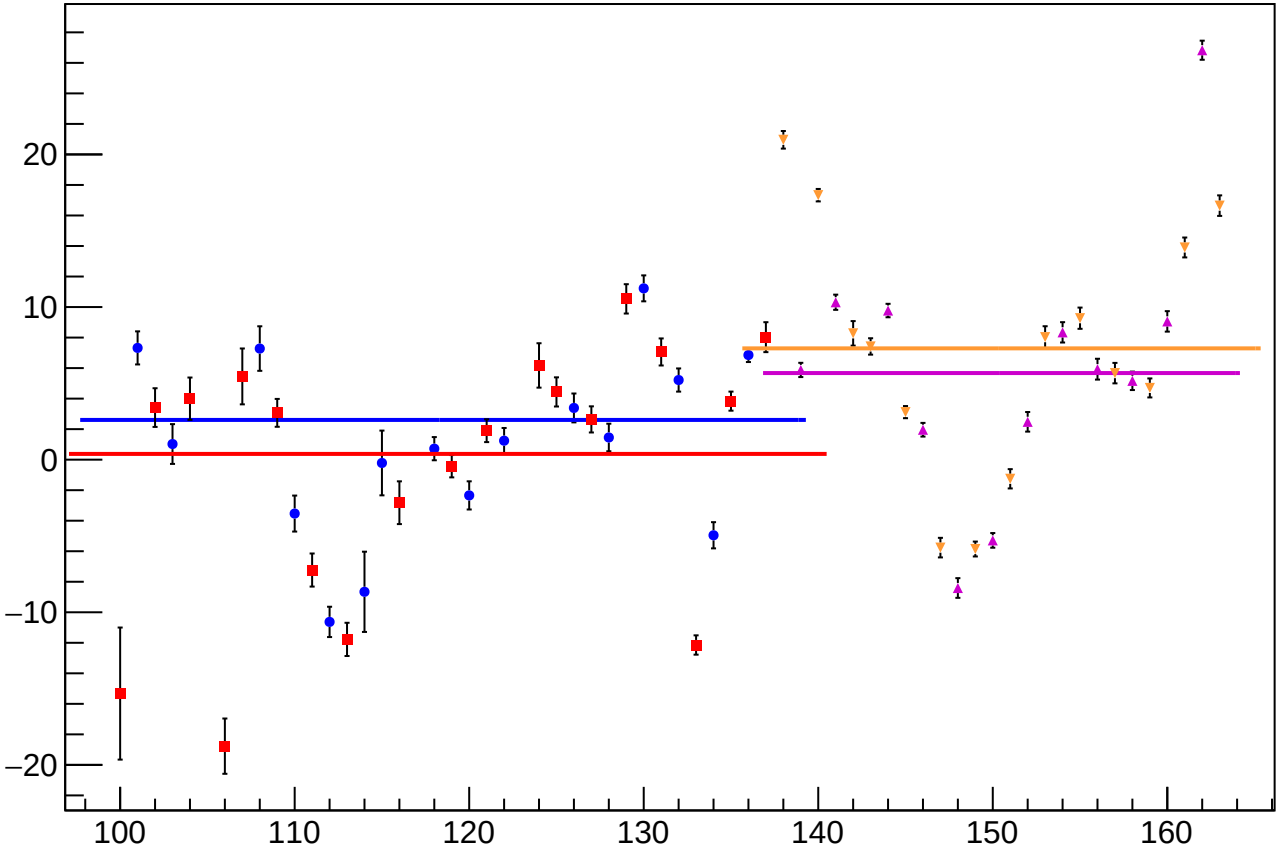
Left In: 0.283+/-0.011 χ^2/NDF:27.9/11

+ sign 0.198+/-0.010 χ^2/NDF: 534.9/29

All: 0.201+/-0.007 χ^2/NDF: 1486.0/60

- sign 0.204+/-0.010 χ^2/NDF: 951.0/30

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: 7.293+/-0.153 χ^2/NDF:2928.8/13

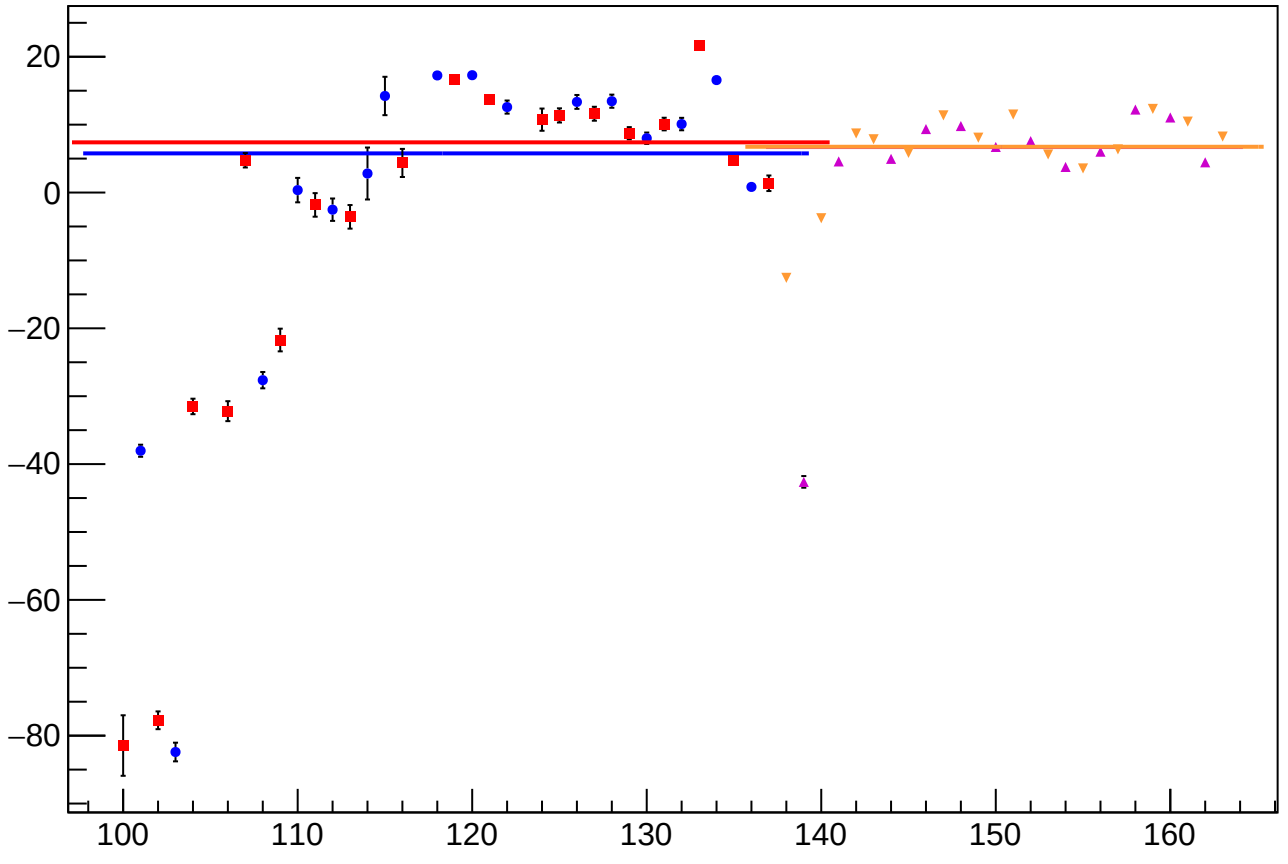
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 5.675+/-0.159 χ^2/NDF:2448.8/11

+ sign 5.805+/-0.126 χ^2/NDF: 3800.8/29

All: 4.868+/-0.090 χ^2/NDF: 7769.8/60

- sign 3.888+/-0.129 χ^2/NDF: 3856.4/30



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.741+/-0.106 χ^2/NDF:2820.0/13

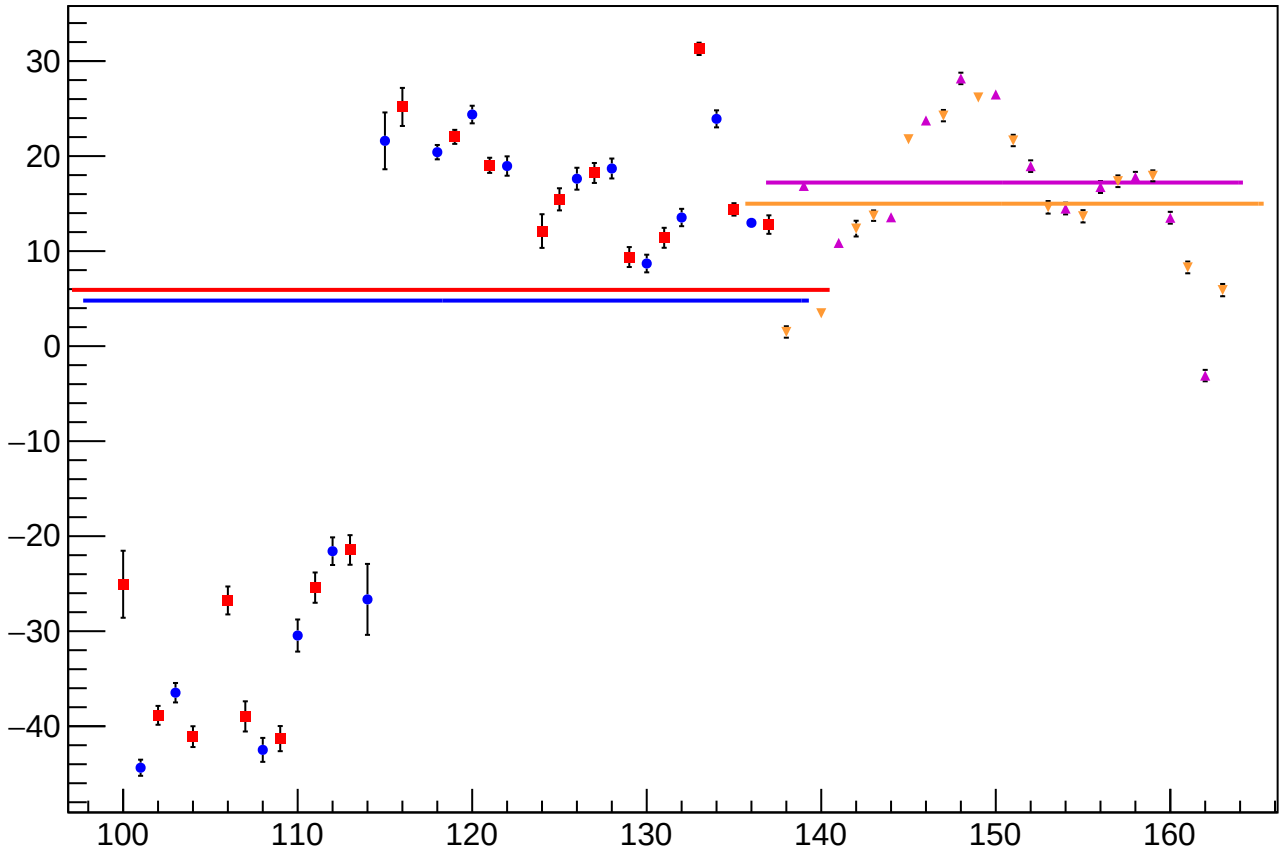
Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.702+/-0.111 χ^2/NDF:3901.3/11

+ sign 6.542+/-0.095 χ^2/NDF: 11771.0/29

All: 6.693+/-0.068 χ^2/NDF: 24076.6/60

- sign 6.854+/-0.098 χ^2/NDF: 12300.4/30



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.990+/-0.149 χ^2/NDF:2869.7/13

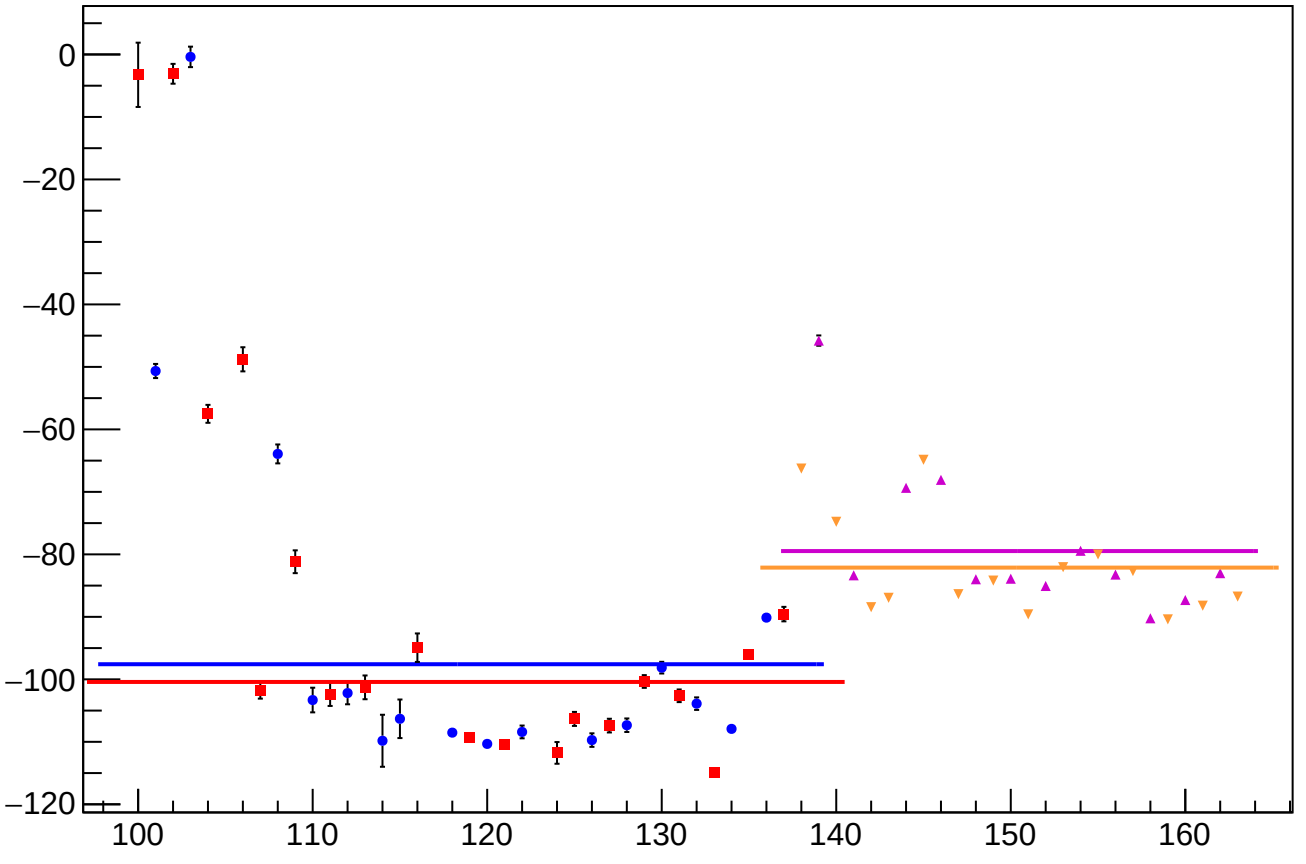
Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 17.216+/-0.154 χ^2/NDF:2407.9/11

+ sign 12.098+/-0.126 χ^2/NDF: 13688.0/29

All: 12.992+/-0.090 χ^2/NDF: 27829.4/60

- sign 13.929+/-0.129 χ^2/NDF: 14039.0/30



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -82.119+/-0.125 χ^2/NDF:4225.9/13

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

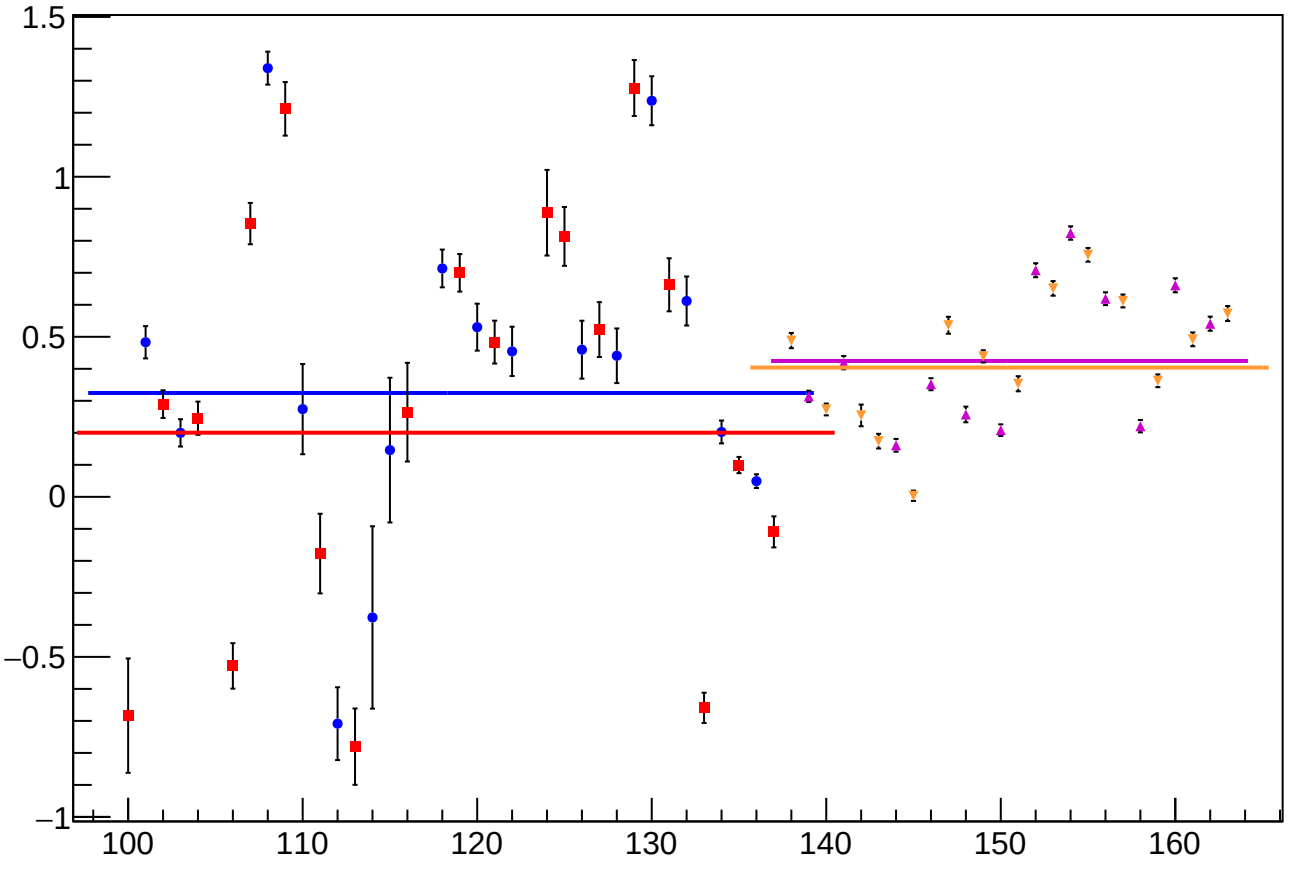
Left In: -79.473+/-0.129 χ^2/NDF:4928.7/11

+ sign -85.373+/-0.111 χ^2/NDF: 14601.5/29

All: -84.783+/-0.079 χ^2/NDF: 32568.6/60

- sign -84.159+/-0.114 χ^2/NDF: 17908.8/30

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: 0.404+/-0.006 χ^2/NDF:1391.5/13

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

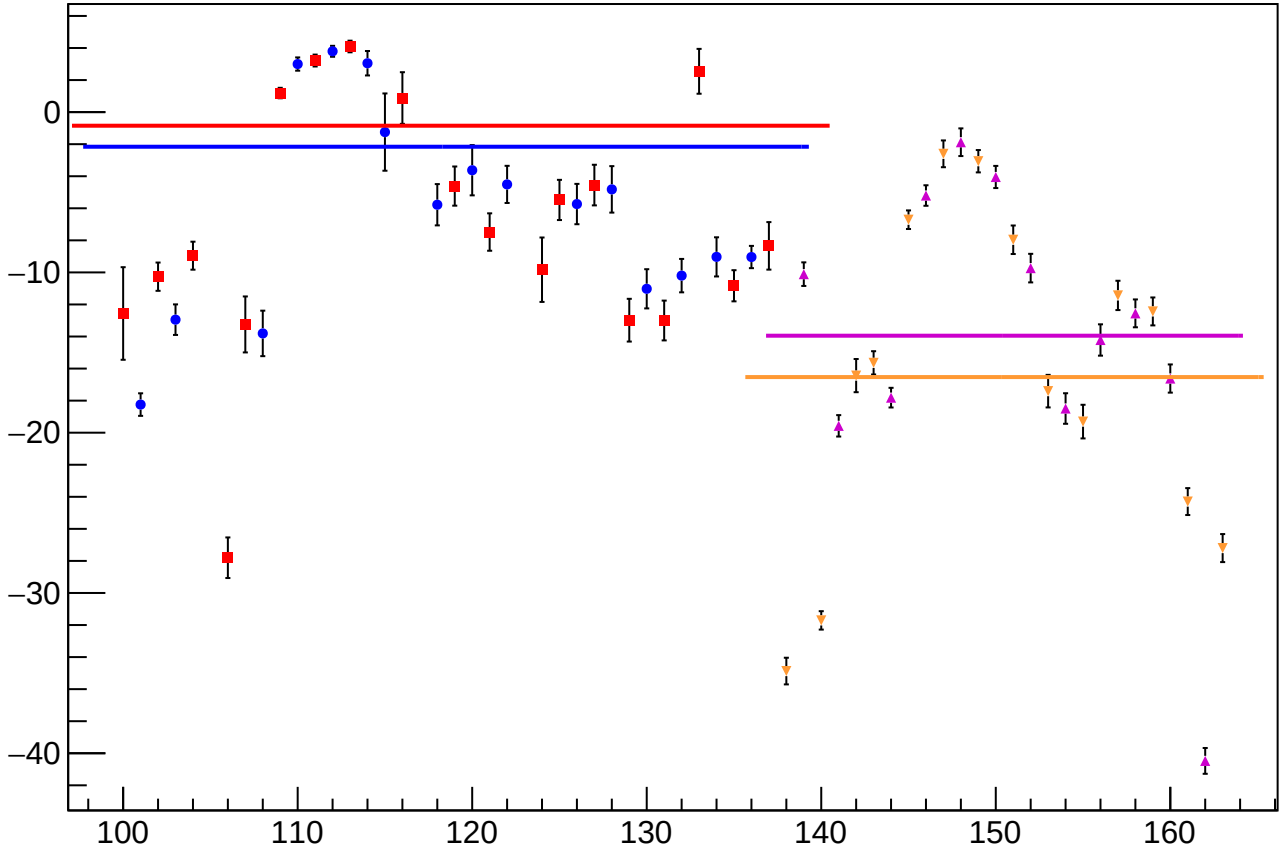
Left In: 0.425+/-0.006 χ^2/NDF:1294.0/11

+ sign 0.391+/-0.005 χ^2/NDF: 2308.1/29

All: 0.391+/-0.004 χ^2/NDF: 5030.6/60

- sign 0.390+/-0.005 χ^2/NDF: 2722.5/30

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -16.530+/-0.212 χ^2/NDF:2512.1/13

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

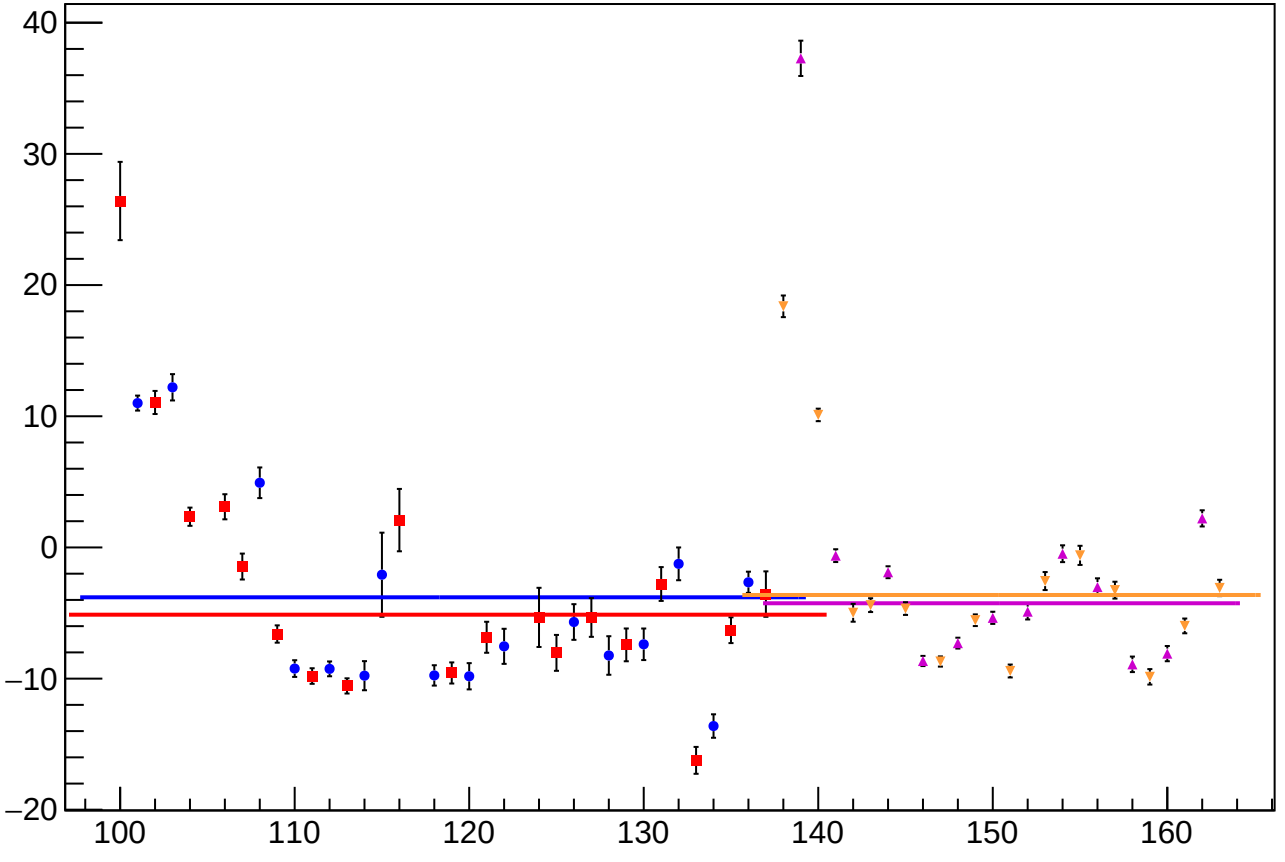
Left In: -13.949+/-0.223 χ^2/NDF:1867.0/11

+ sign -8.618+/-0.142 χ^2/NDF: 6521.6/29

All: -7.078+/-0.098 χ^2/NDF: 12260.4/60

- sign -5.689+/-0.135 χ^2/NDF: 5516.4/30

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.624+/-0.146 χ^2/NDF:2024.6/13

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

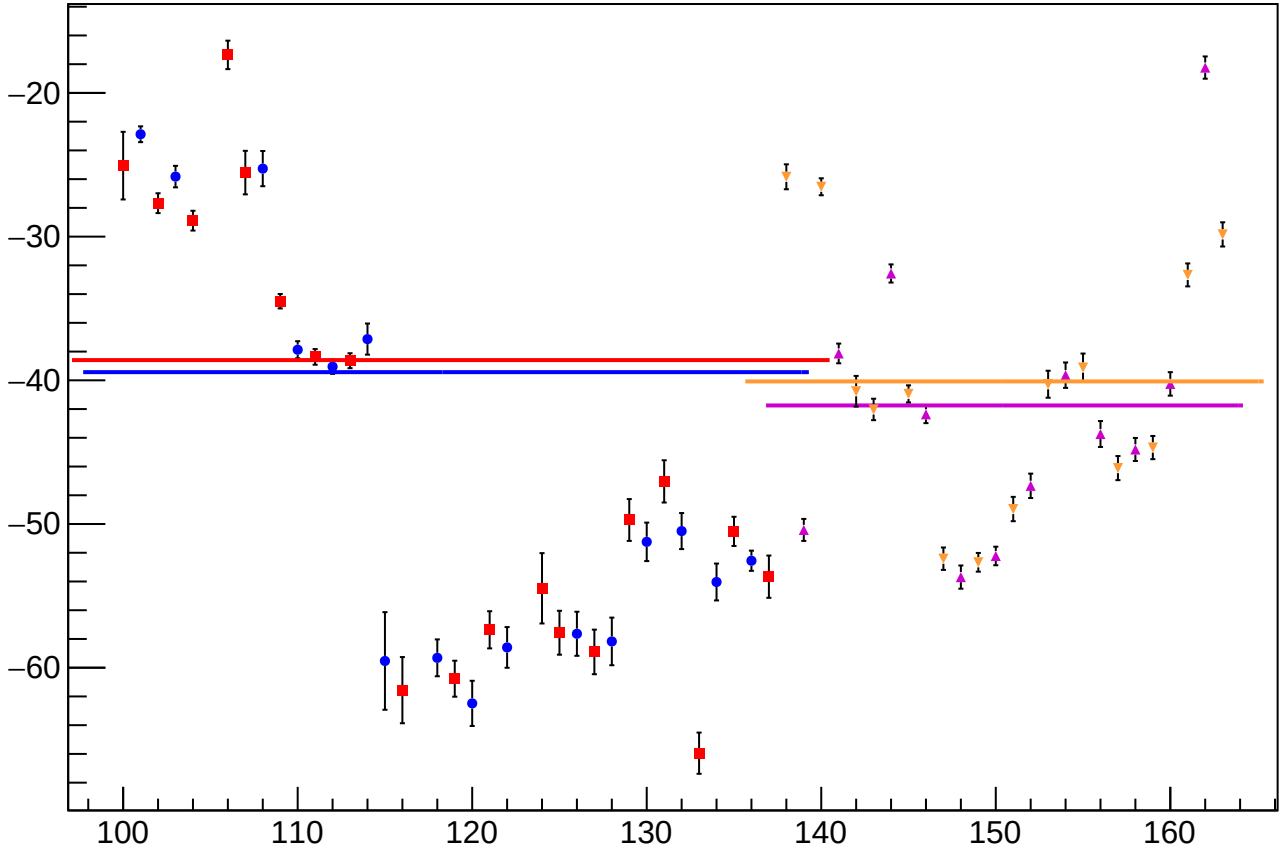
Left In: -4.255+/-0.153 χ^2/NDF:1477.8/11

+ sign -3.676+/-0.123 χ^2/NDF: 3450.5/29

All: -4.099+/-0.088 χ^2/NDF: 5943.8/60

- sign -4.541+/-0.125 χ^2/NDF: 2469.0/30

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.076+/-0.208 χ^2/NDF:1857.3/13

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

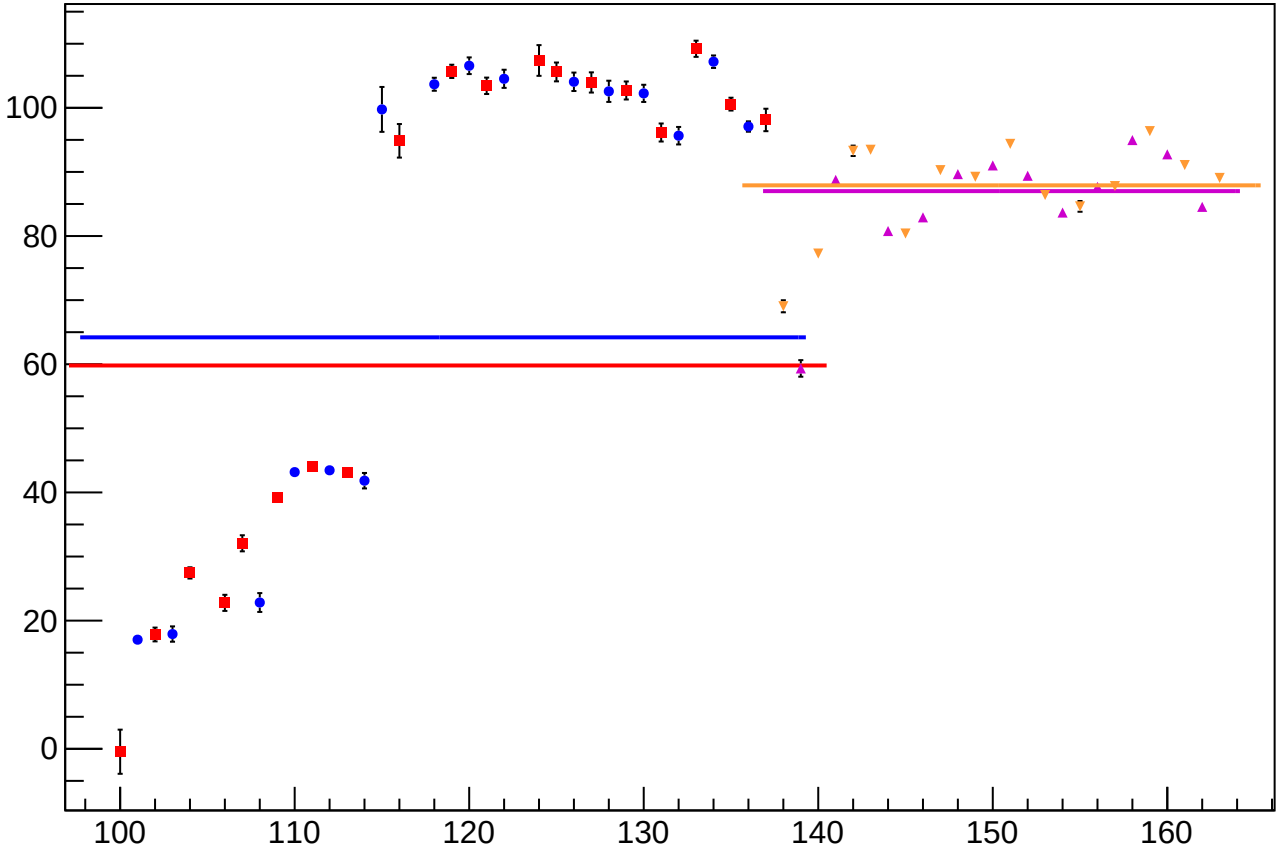
Left In: -41.749+/-0.216 χ^2/NDF:1842.5/11

+ sign -39.780+/-0.153 χ^2/NDF: 4819.8/29

All: -39.966+/-0.108 χ^2/NDF: 9546.1/60

- sign -40.148+/-0.151 χ^2/NDF: 4723.4/30

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.908+/-0.172 χ^2/NDF:1422.4/13

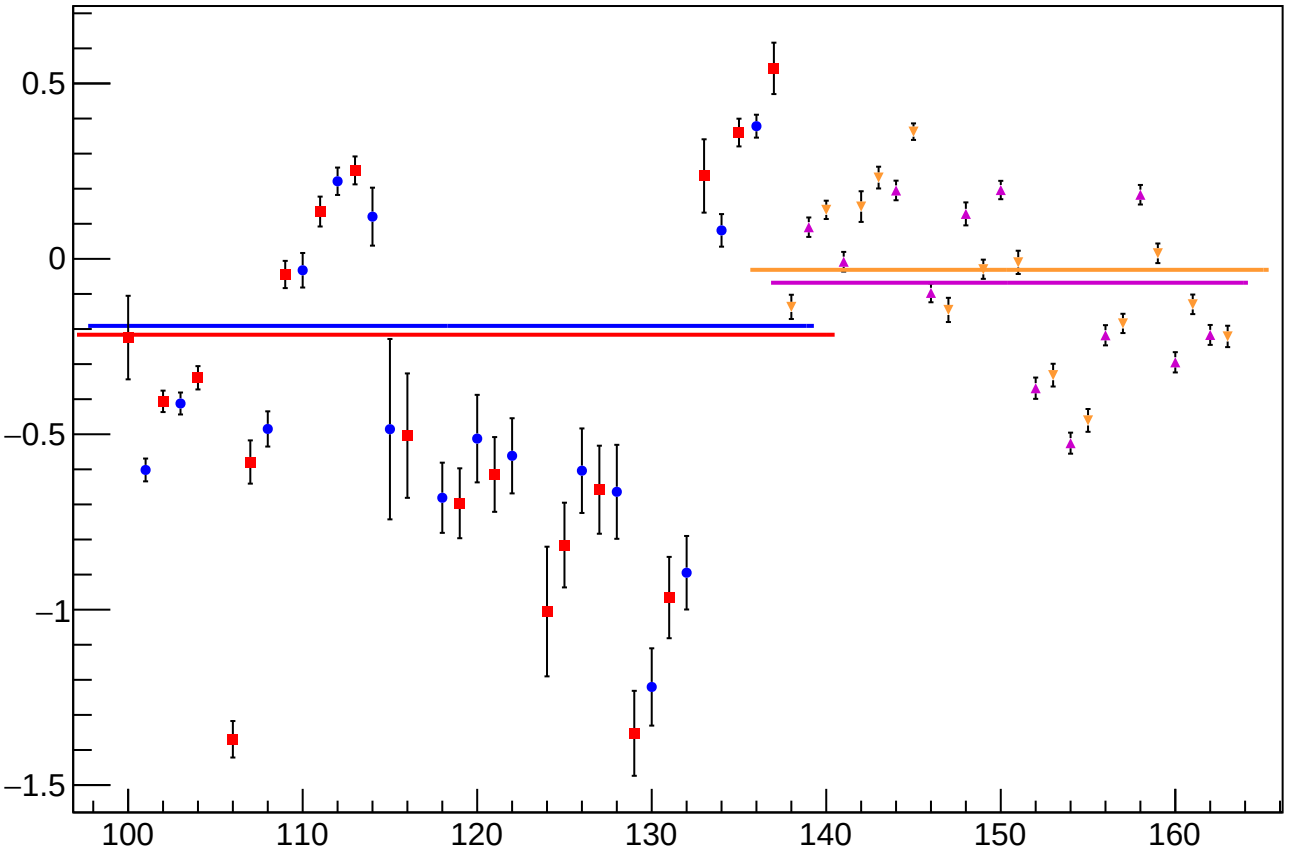
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 87.007+/-0.179 χ^2/NDF:1048.7/11

+ sign 80.591+/-0.143 χ^2/NDF: 25881.7/29

All: 79.170+/-0.102 χ^2/NDF: 52430.3/60

- sign 77.701+/-0.145 χ^2/NDF: 26347.9/30



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.031+/-0.008 χ^2/NDF:777.2/13

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

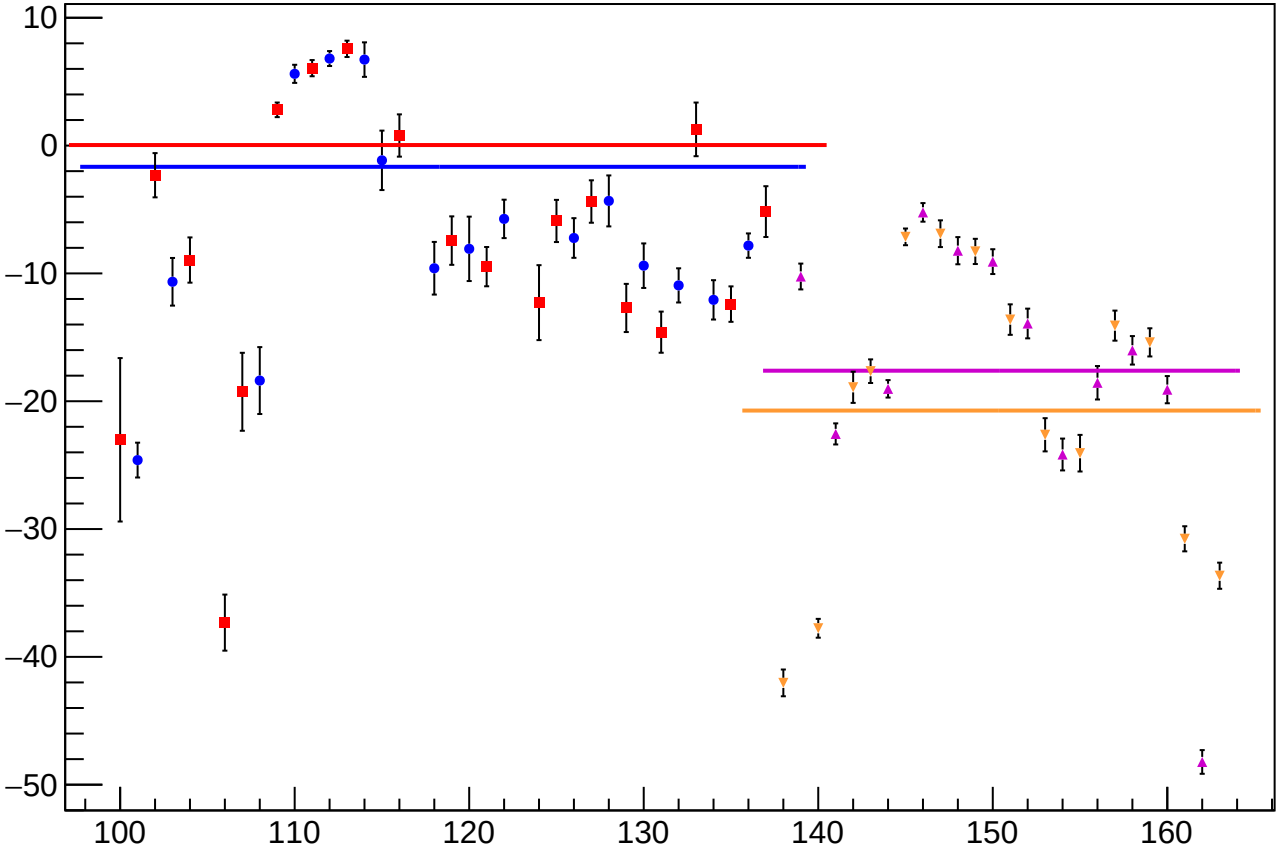
Left In: -0.068+/-0.008 χ^2/NDF:792.6/11

+ sign -0.073+/-0.007 χ^2/NDF: 1800.0/29

All: -0.092+/-0.005 χ^2/NDF: 4068.9/60

- sign -0.111+/-0.007 χ^2/NDF: 2254.1/30

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -20.730+/-0.265 χ^2/NDF:2091.8/13

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

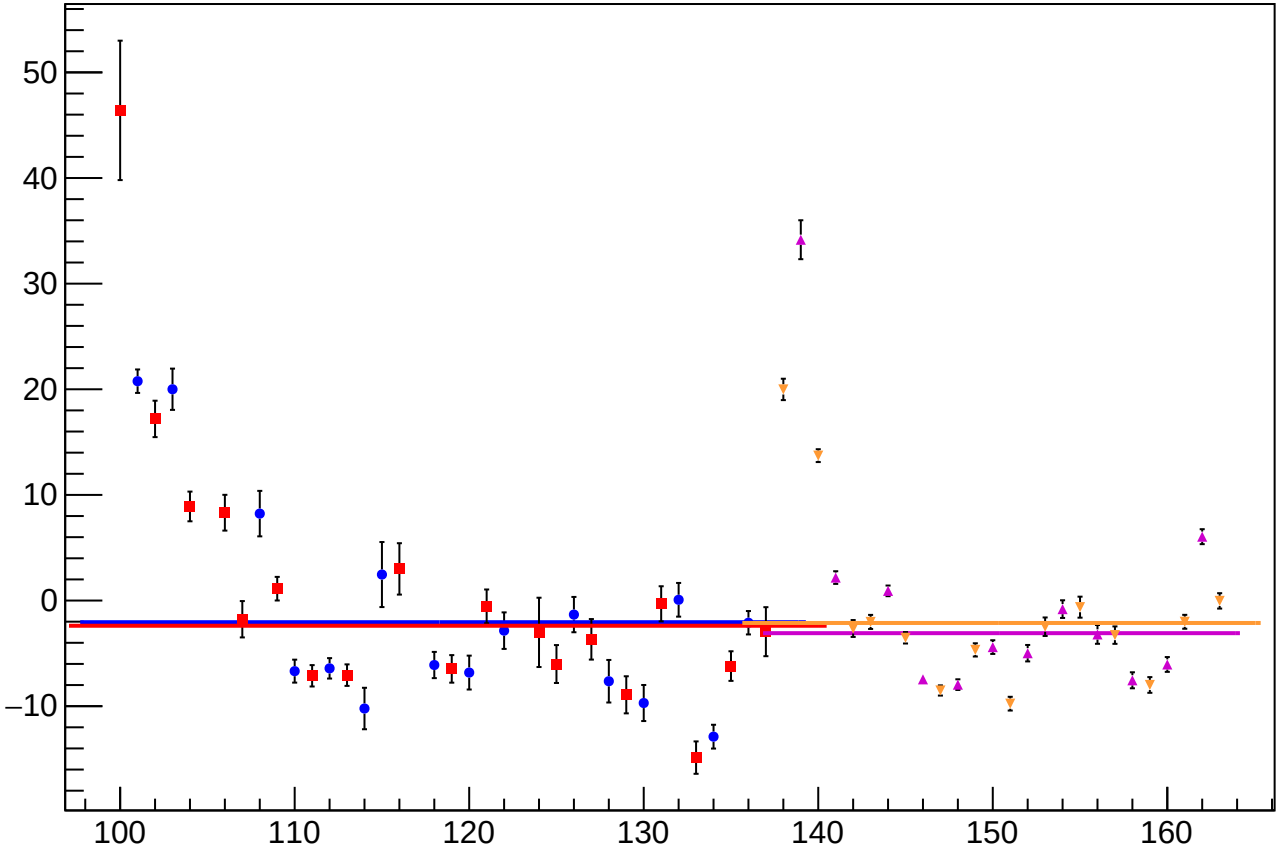
Left In: -17.612+/-0.275 χ^2/NDF:1671.0/11

+ sign -12.609+/-0.201 χ^2/NDF: 5191.9/29

All: -10.772+/-0.141 χ^2/NDF: 9968.9/60

- sign -9.012+/-0.197 χ^2/NDF: 4613.4/30

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.122+/-0.183 χ^2/NDF:1568.4/13

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

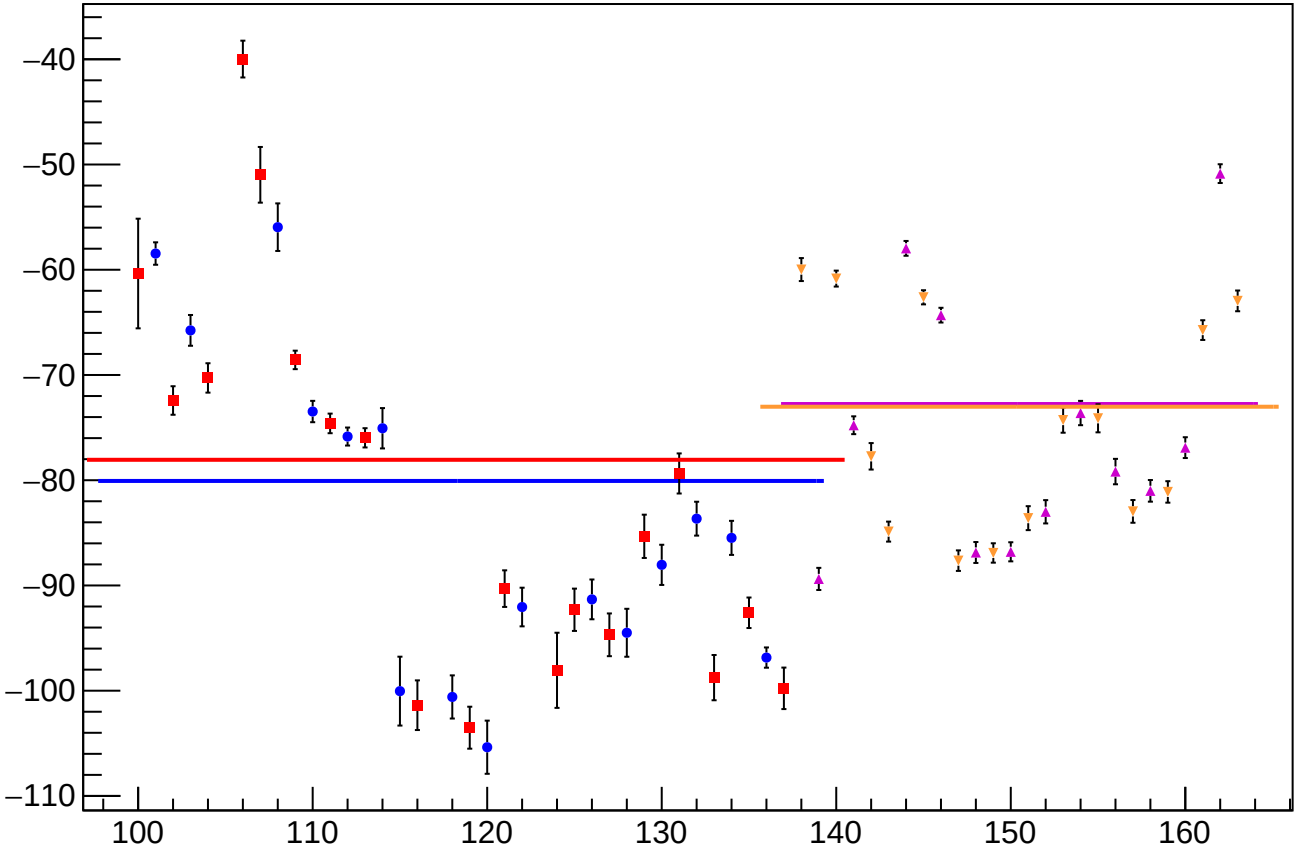
Left In: -3.088+/-0.186 χ^2/NDF:980.9/11

+ sign -2.107+/-0.163 χ^2/NDF: 2340.3/29

All: -2.516+/-0.116 χ^2/NDF: 3788.0/60

- sign -2.936+/-0.165 χ^2/NDF: 1434.9/30

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.016+/-0.260 χ^2/NDF:1663.5/13

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

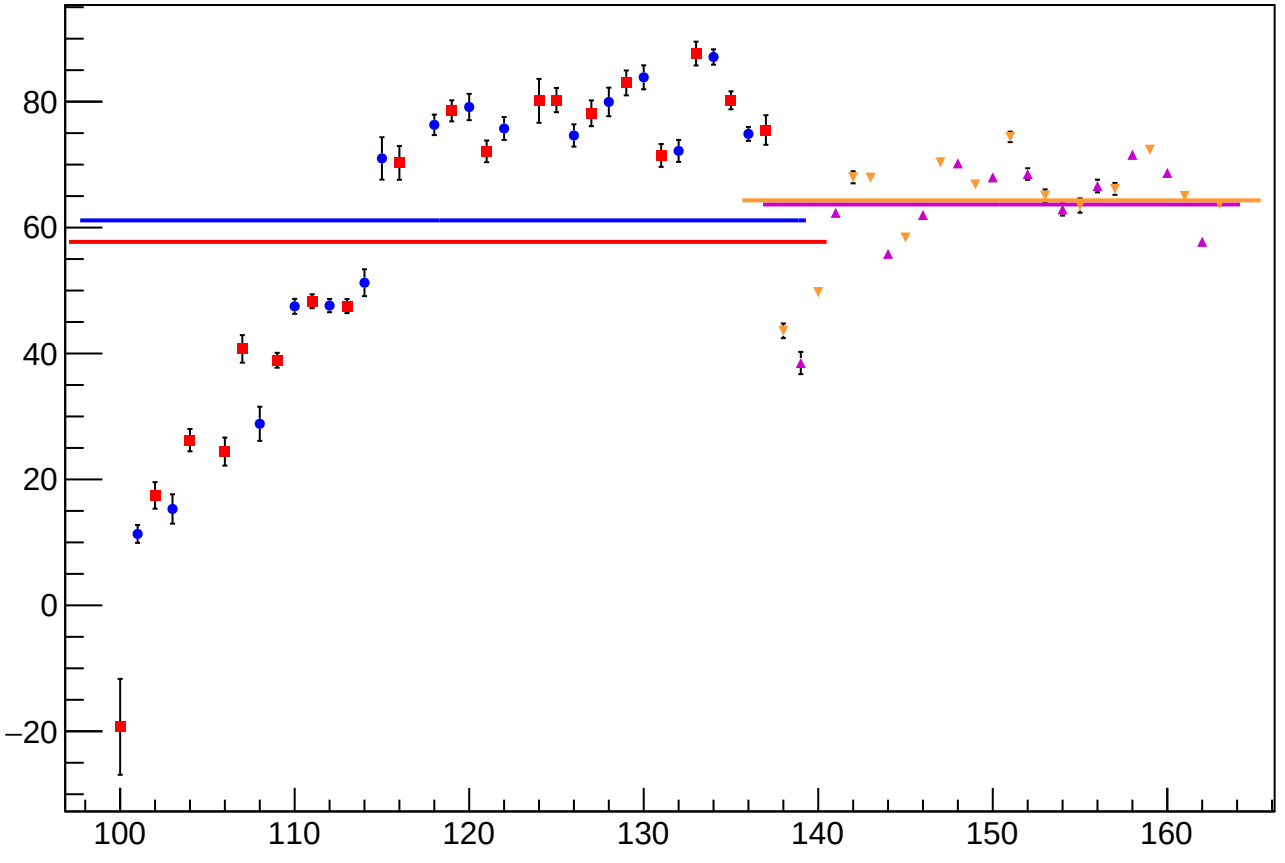
Left In: -72.761+/-0.267 χ^2/NDF:2082.5/11

\+ sign -75.396+/-0.212 χ^2/NDF: 3298.9/29

All: -75.041+/-0.150 χ^2/NDF: 7091.4/60

\- sign -74.682+/-0.213 χ^2/NDF: 3786.8/30

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.326+/-0.215 χ^2/NDF:1193.0/13

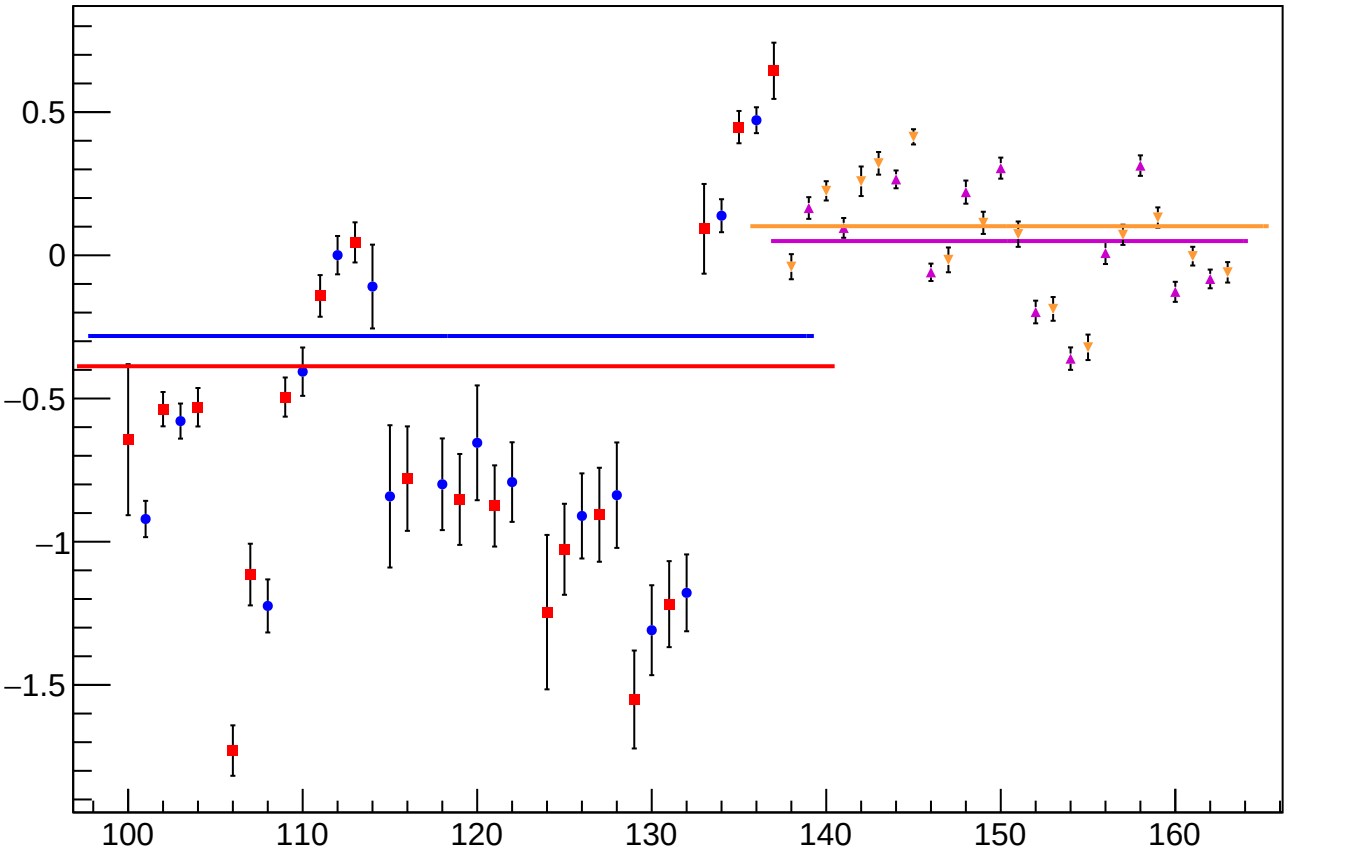
Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.668+/-0.220 χ^2/NDF:754.6/11

+ sign 63.614+/-0.189 χ^2/NDF: 4471.5/29

All: 62.965+/-0.135 χ^2/NDF: 8195.1/60

- sign 62.294+/-0.192 χ^2/NDF: 3699.7/30



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.102+/-0.010 χ^2/NDF:380.3/13

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

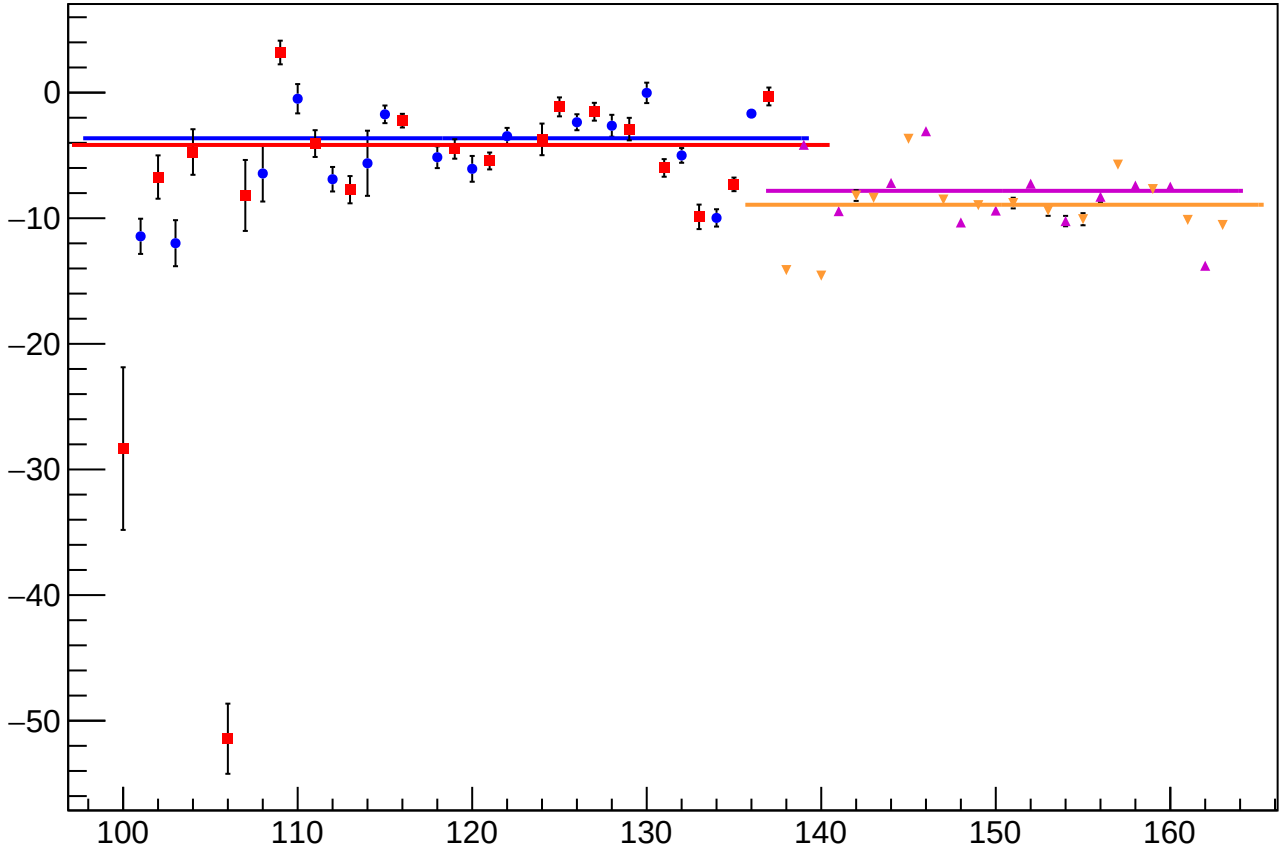
Left In: 0.050+/-0.010 χ^2/NDF:383.9/11

+ sign 0.034+/-0.009 χ^2/NDF: 1367.1/29

All: 0.003+/-0.007 χ^2/NDF: 2919.5/60

- sign -0.029+/-0.009 χ^2/NDF: 1529.1/30

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.927+/-0.090 χ^2/NDF:1393.1/13

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

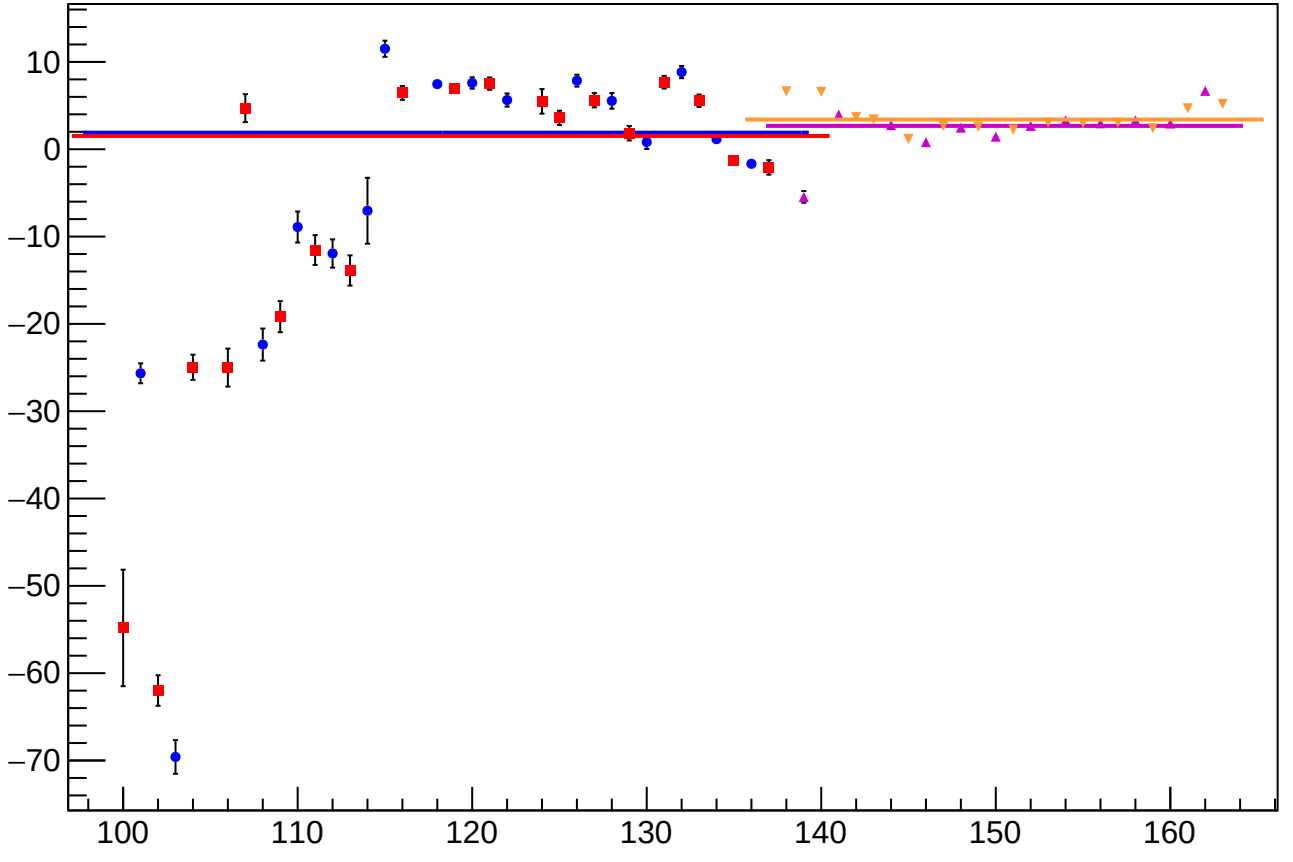
Left In: -7.820+/-0.092 χ^2/NDF:1102.8/11

+ sign -7.952+/-0.081 χ^2/NDF: 2267.6/29

All: -7.577+/-0.058 χ^2/NDF: 4220.8/60

- sign -7.179+/-0.084 χ^2/NDF: 1909.1/30

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.404+/-0.062 χ^2/NDF:636.1/13

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

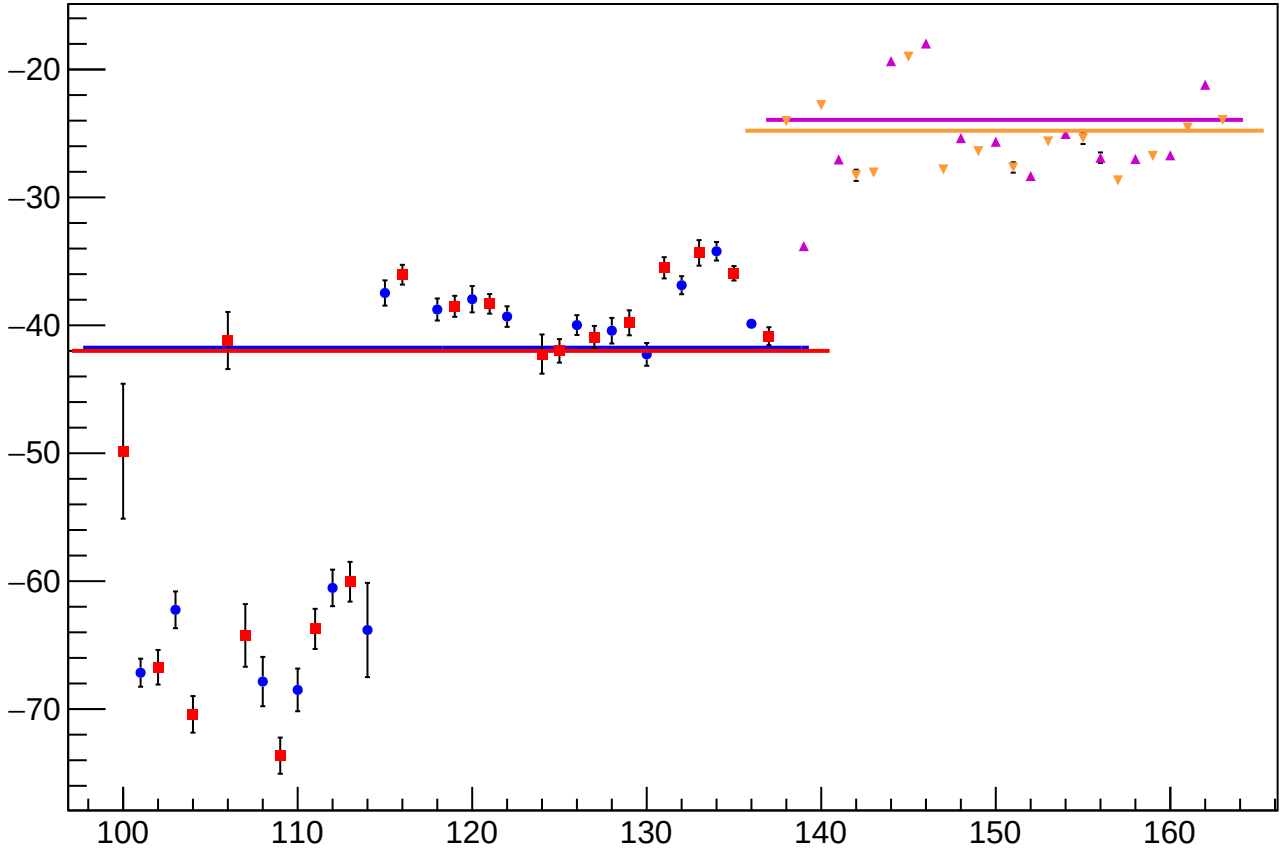
Left In: 2.676+/-0.062 χ^2/NDF:747.4/11

+ sign 3.257+/-0.059 χ^2/NDF: 3531.5/29

All: 2.923+/-0.042 χ^2/NDF: 6931.5/60

- sign 2.582+/-0.060 χ^2/NDF: 3335.2/30

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.787+/-0.088 χ^2/NDF:1219.1/13

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

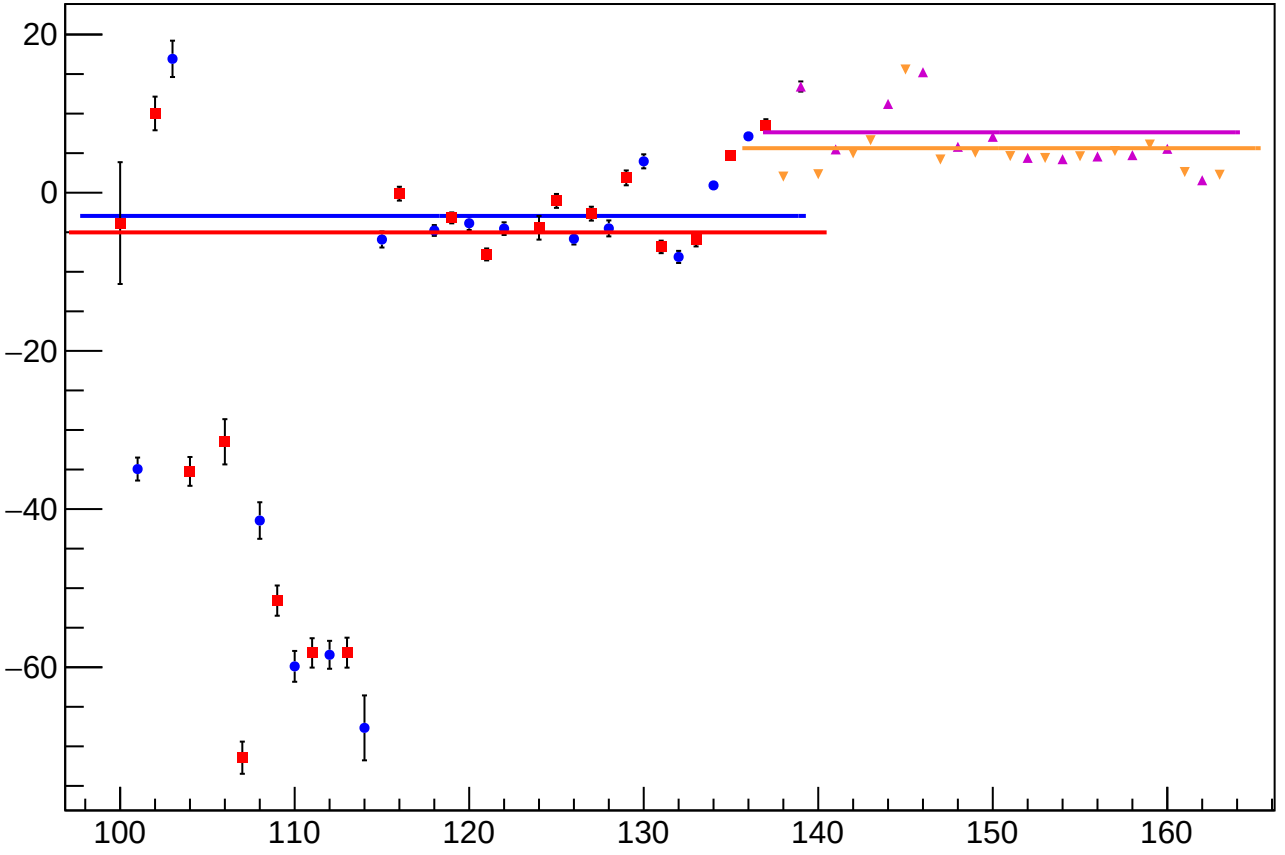
Left In: -23.936+/-0.089 χ^2/NDF:2370.5/11

+ sign -27.371+/-0.081 χ^2/NDF: 8511.7/29

All: -26.863+/-0.058 χ^2/NDF: 18380.0/60

- sign -26.329+/-0.083 χ^2/NDF: 9787.7/30

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.628+/-0.073 χ^2/NDF:3127.5/13

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

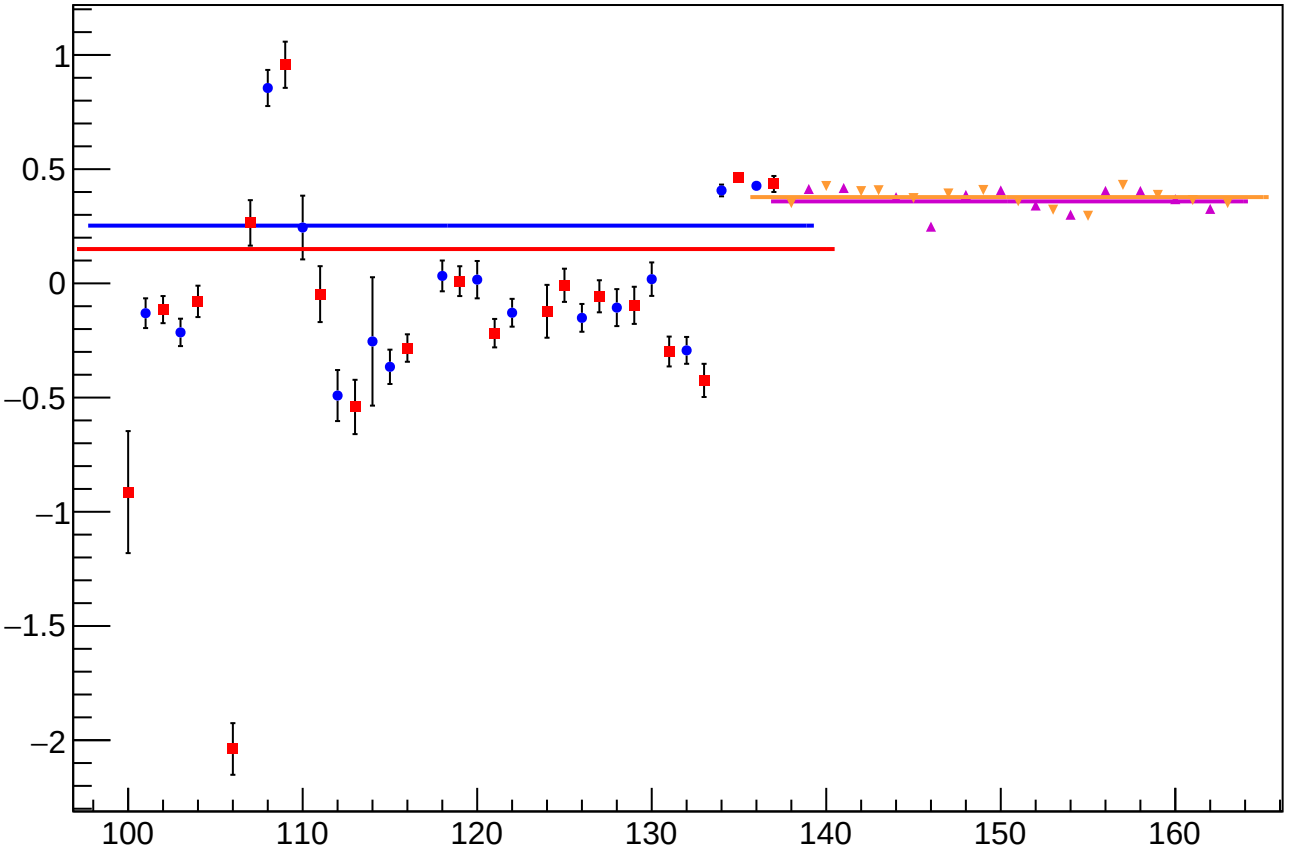
Left In: 7.635+/-0.073 χ^2/NDF:3680.2/11

+ sign 4.713+/-0.069 χ^2/NDF: 8343.2/29

All: 5.585+/-0.049 χ^2/NDF: 19440.8/60

- sign 6.489+/-0.070 χ^2/NDF: 10767.4/30

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.378+/-0.003 χ^2/NDF:108.1/13

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

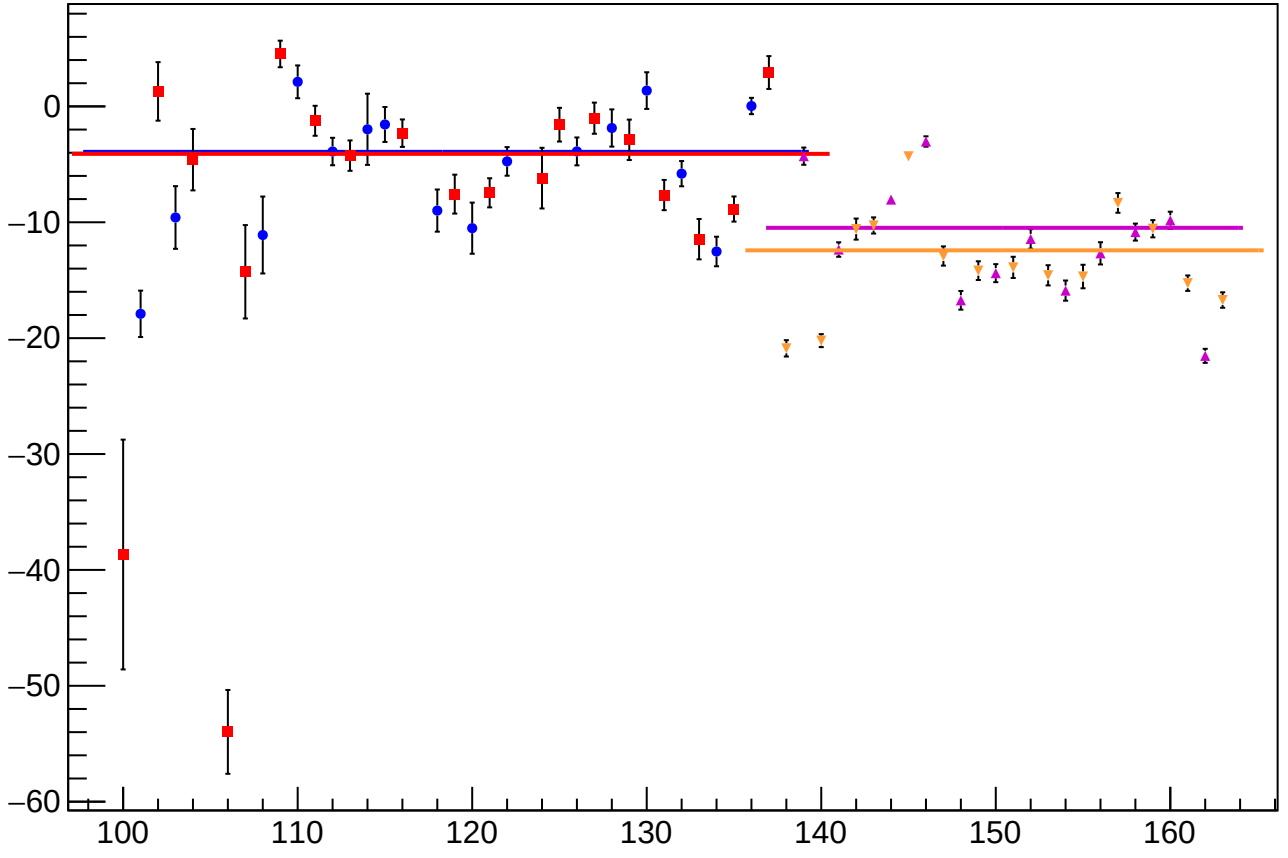
Left In: 0.359+/-0.003 χ^2/NDF:251.3/11

+ sign 0.368+/-0.003 χ^2/NDF: 848.2/29

All: 0.357+/-0.002 χ^2/NDF: 2368.5/60

- sign 0.346+/-0.003 χ^2/NDF: 1498.3/30

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.422+/-0.186 χ^2/NDF:882.0/13

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

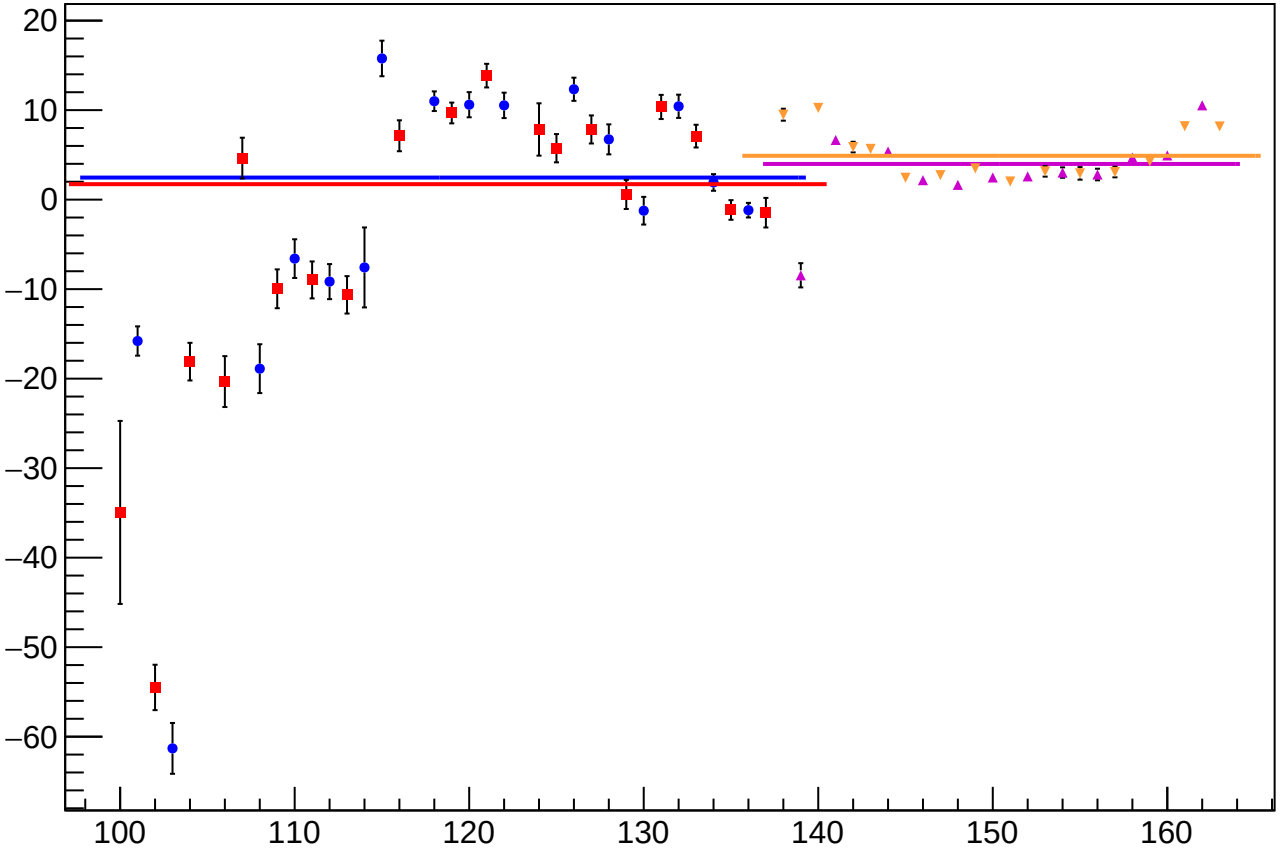
Left In: -10.479+/-0.189 χ^2/NDF:852.2/11

+ sign -10.525+/-0.163 χ^2/NDF: 1539.4/29

All: -9.820+/-0.117 χ^2/NDF: 3046.5/60

- sign -9.086+/-0.167 χ^2/NDF: 1469.2/30

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.898+/-0.130 χ^2/NDF:449.3/13

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

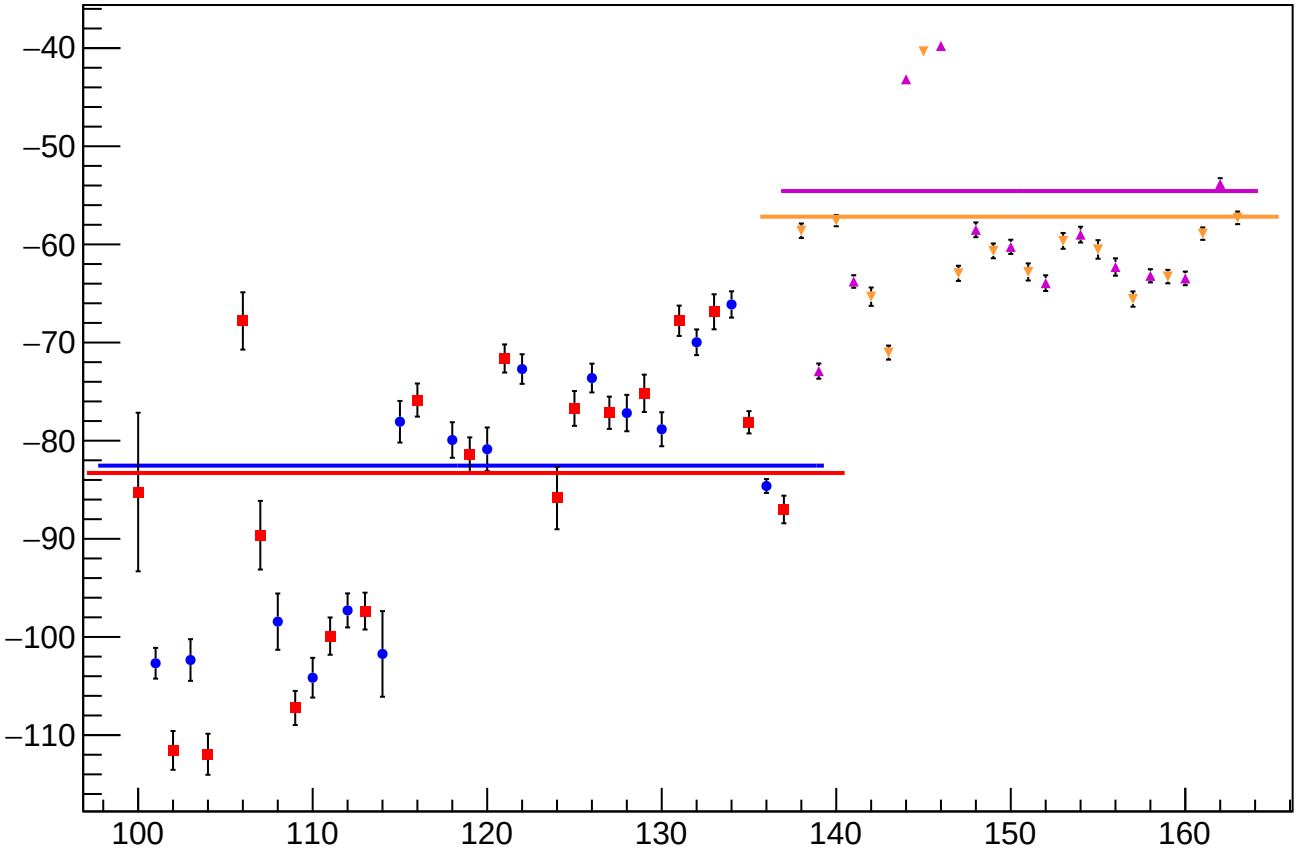
Left In: 3.985+/-0.127 χ^2/NDF:451.6/11

+ sign 4.615+/-0.122 χ^2/NDF: 1537.2/29

All: 4.186+/-0.086 χ^2/NDF: 3027.3/60

- sign 3.764+/-0.121 χ^2/NDF: 1465.5/30

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.176+/-0.182 χ^2/NDF:2512.6/13

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

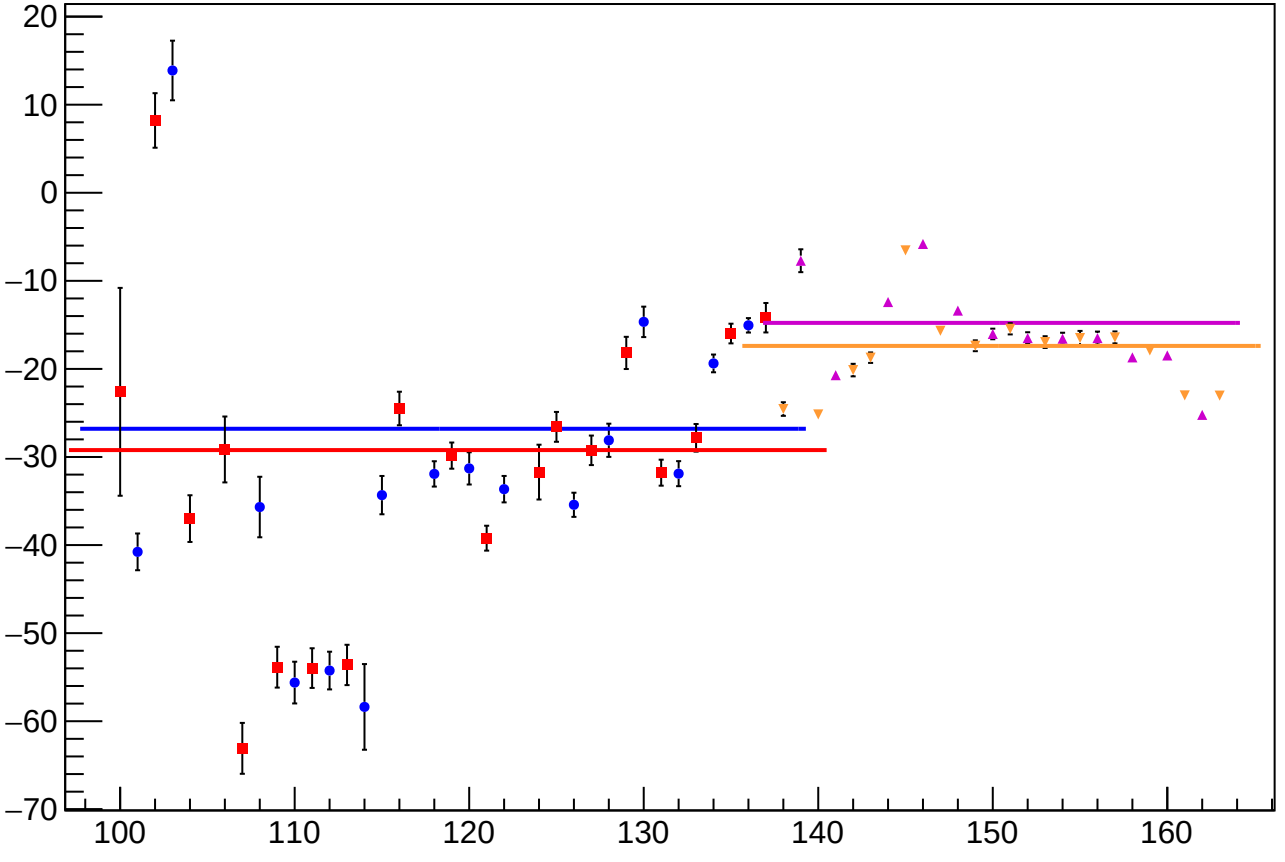
Left In: -54.561+/-0.183 χ^2/NDF:3263.7/11

+ sign -61.843+/-0.165 χ^2/NDF: 6906.2/29

All: -60.574+/-0.118 χ^2/NDF: 15405.6/60

- sign -59.262+/-0.168 χ^2/NDF: 8378.8/30

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -17.388+/-0.151 χ^2/NDF:1466.6/13

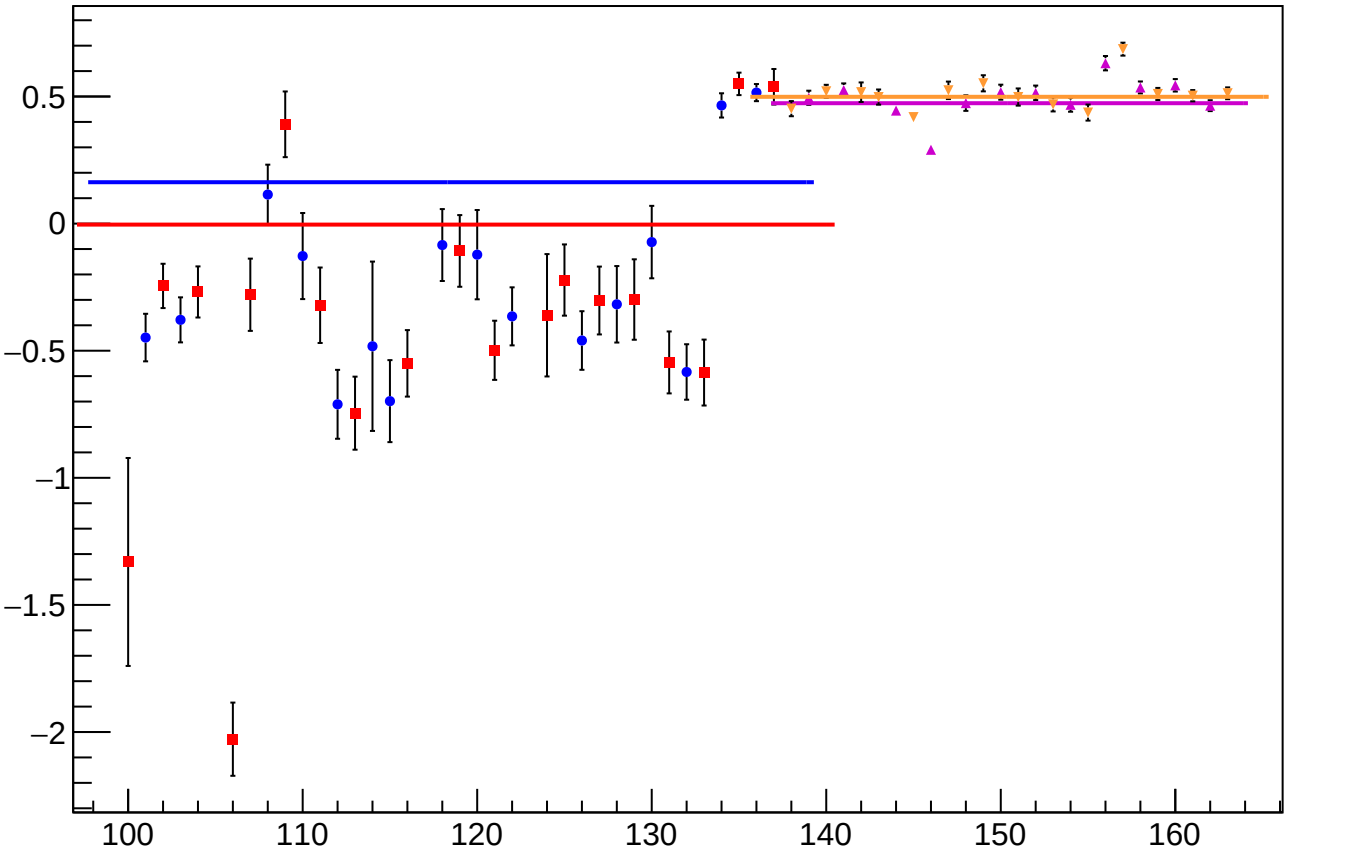
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.773+/-0.150 χ^2/NDF:1526.5/11

+ sign -18.584+/-0.141 χ^2/NDF: 2923.7/29

All: -17.464+/-0.100 χ^2/NDF: 6538.7/60

- sign -16.334+/-0.142 χ^2/NDF: 3488.3/30



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.499+/-0.007 χ^2/NDF:90.9/13

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

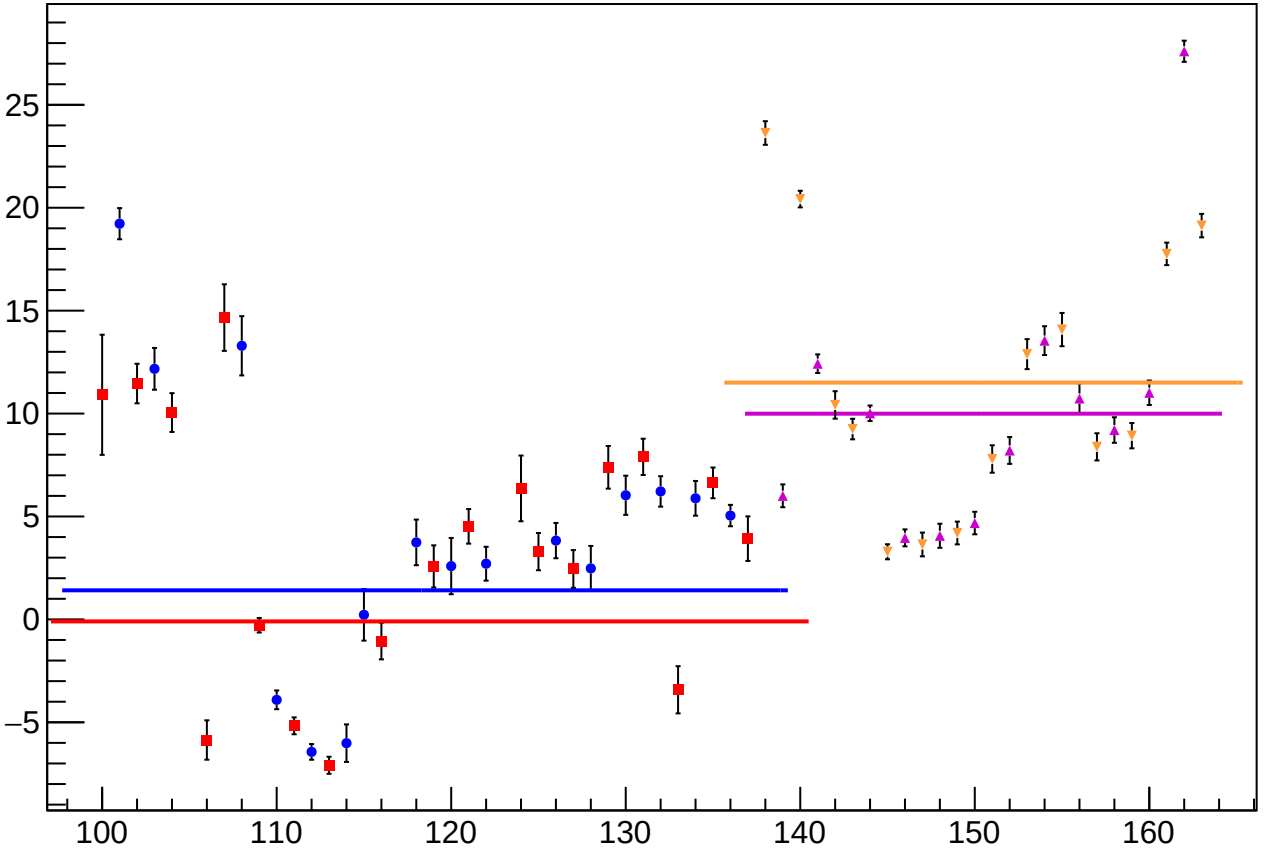
Left In: 0.474+/-0.007 χ^2/NDF:153.1/11

+ sign 0.466+/-0.007 χ^2/NDF: 736.2/29

All: 0.452+/-0.005 χ^2/NDF: 1825.6/60

- sign 0.436+/-0.007 χ^2/NDF: 1079.5/30

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: 11.504+/-0.147 χ^2/NDF:2220.3/13

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

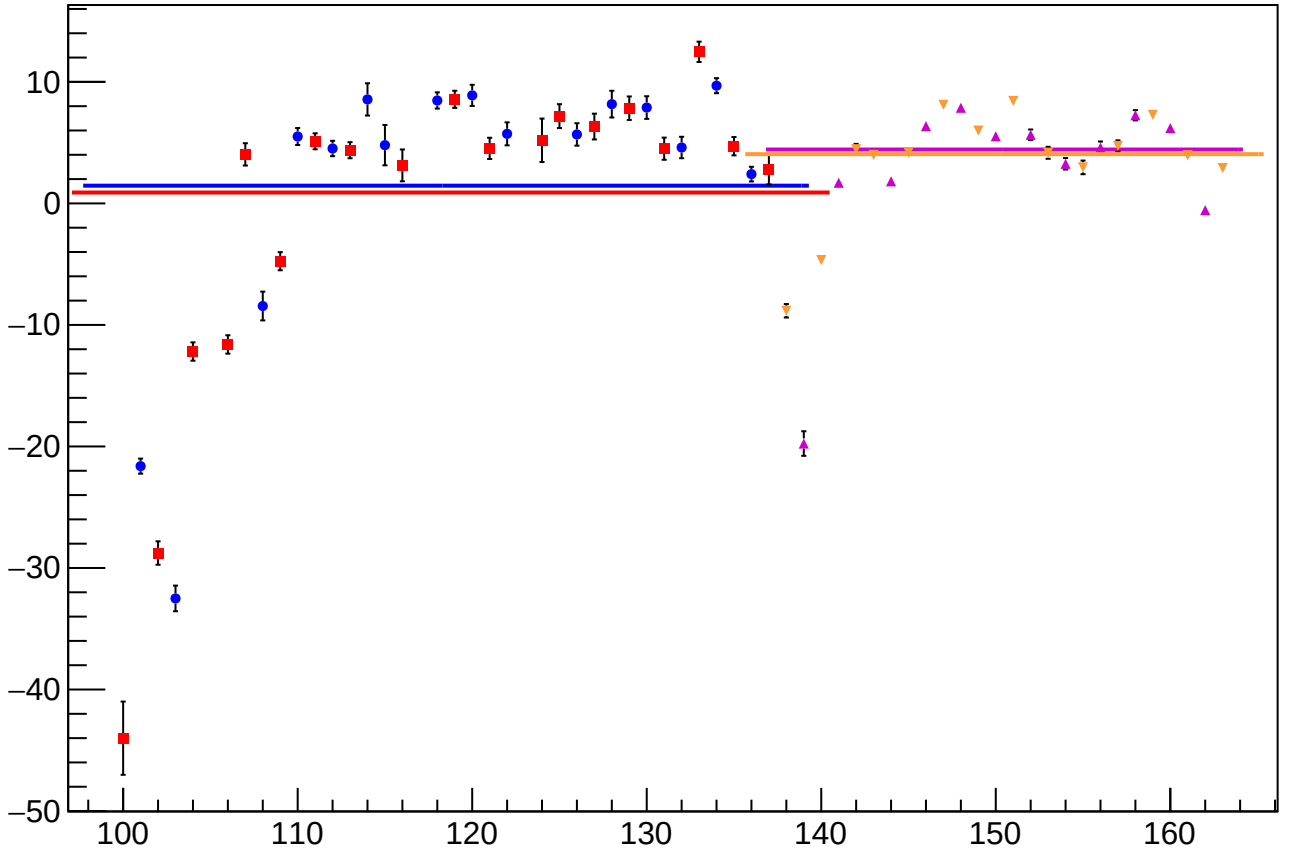
Left In: 9.994+/-0.153 χ^2/NDF:1701.5/11

+ sign 7.546+/-0.115 χ^2/NDF: 5589.1/29

All: 6.459+/-0.080 χ^2/NDF: 10596.9/60

- sign 5.404+/-0.113 χ^2/NDF: 4830.6/30

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: 4.052+/-0.101 χ^2/NDF:1712.8/13

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

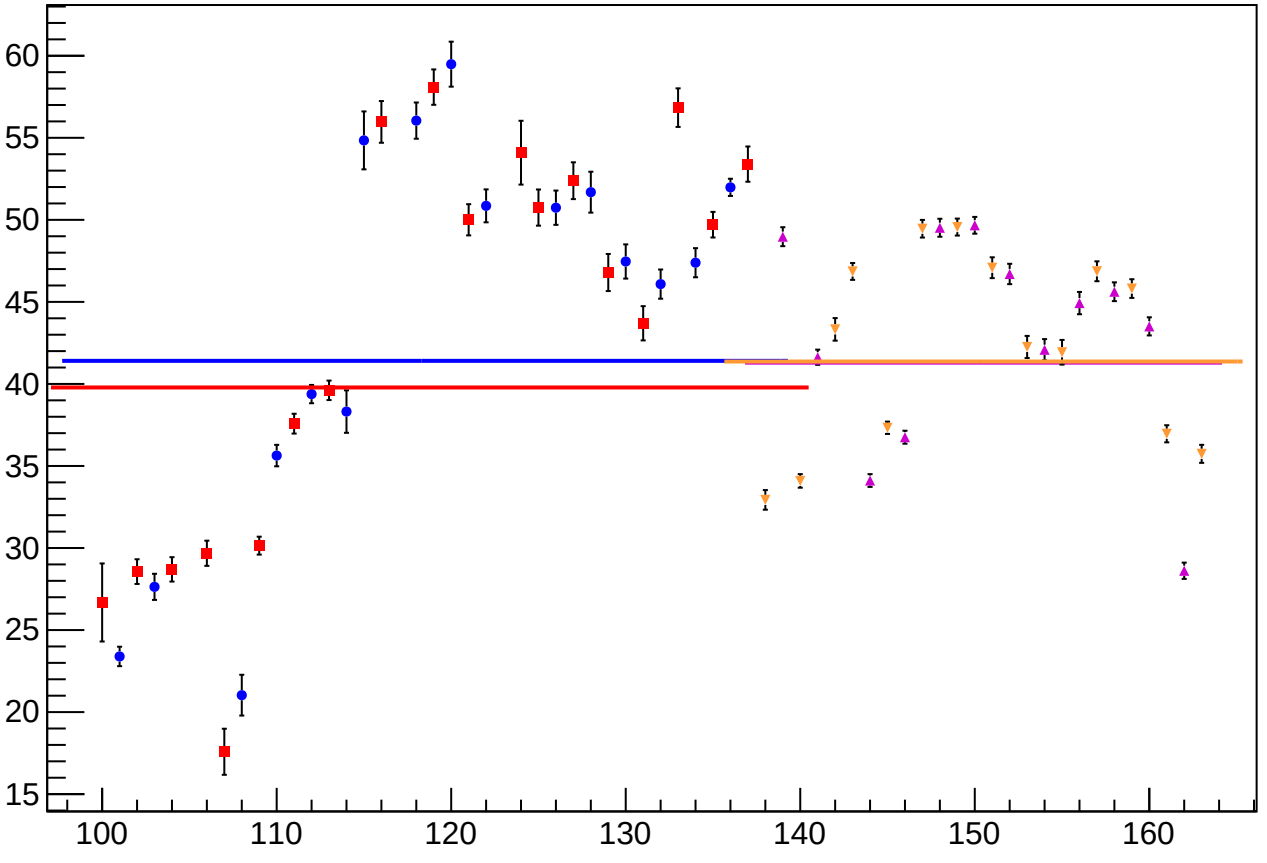
Left In: 4.434+/-0.104 χ^2/NDF:1196.4/11

+ sign 3.536+/-0.091 χ^2/NDF: 4923.2/29

All: 3.616+/-0.065 χ^2/NDF: 8741.2/60

- sign 3.698+/-0.092 χ^2/NDF: 3816.4/30

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.366+/-0.144 χ^2/NDF:1625.4/13

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

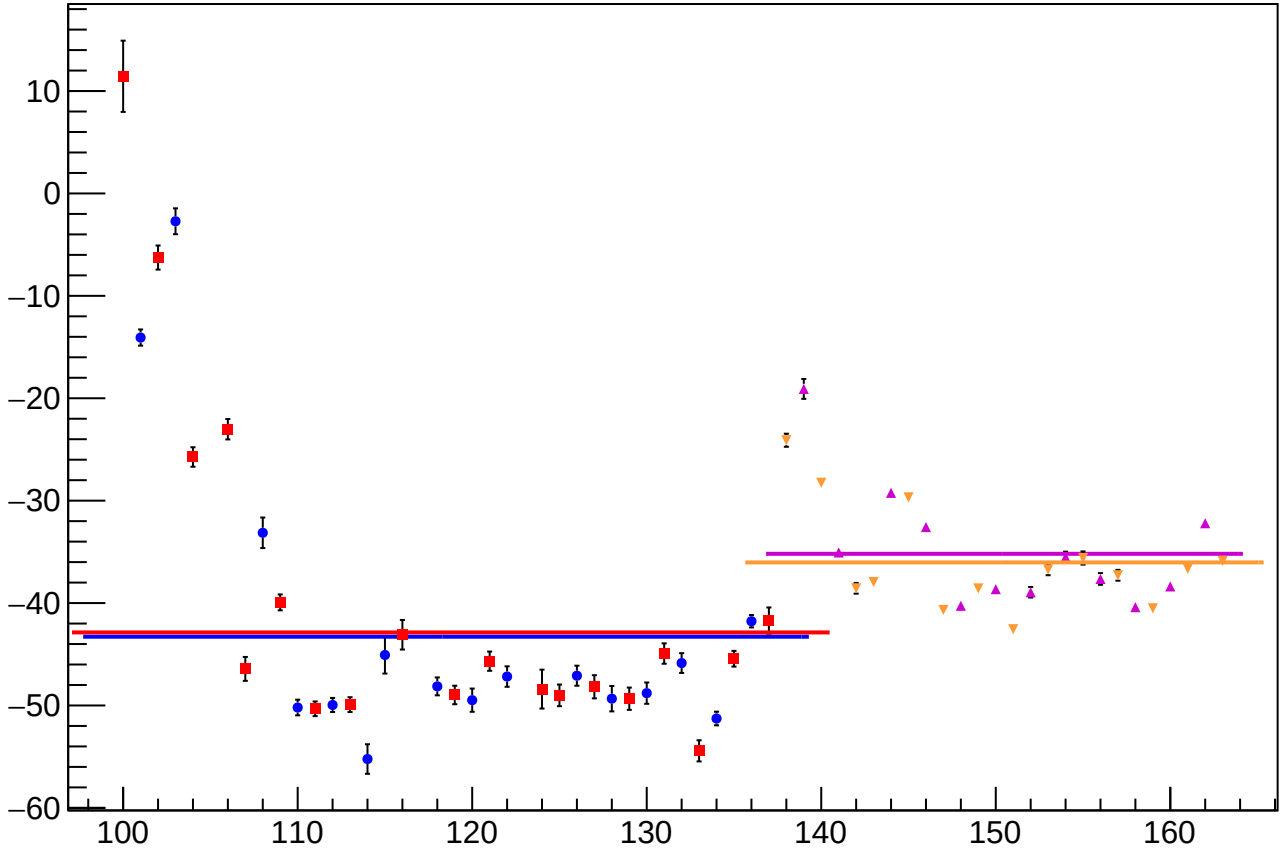
Left In: 41.297+/-0.148 χ^2/NDF:1979.5/11

\+ sign 41.379+/-0.119 χ^2/NDF: 4371.5/29

All: 41.076+/-0.084 χ^2/NDF: 9054.0/60

\- sign 40.769+/-0.120 χ^2/NDF: 4669.5/30

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: -36.030+/-0.119 χ^2/NDF:1620.2/13

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

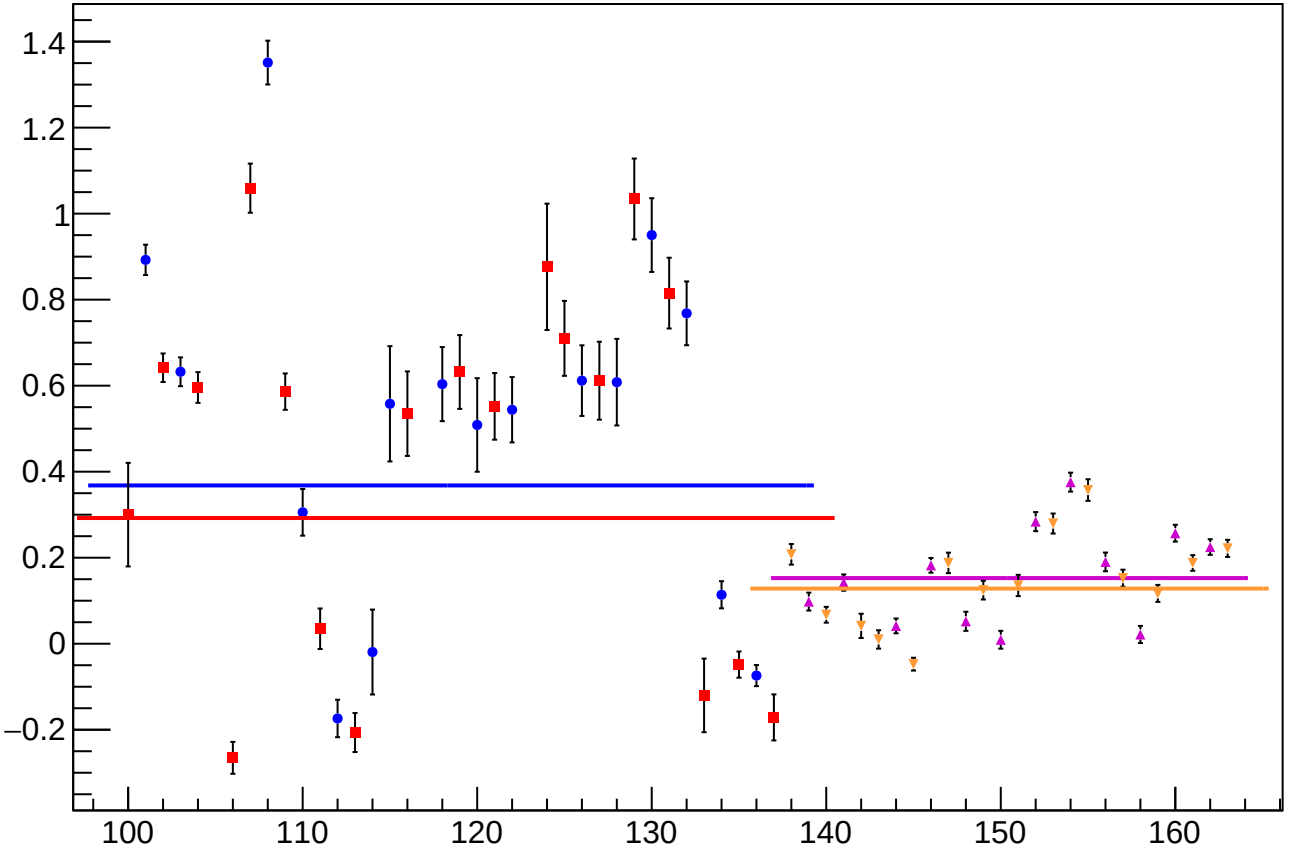
Left In: -35.190+/-0.122 χ^2/NDF:1242.6/11

+ sign -37.572+/-0.106 χ^2/NDF: 5393.7/29

All: -37.237+/-0.075 χ^2/NDF: 9985.6/60

- sign -36.890+/-0.108 χ^2/NDF: 4571.6/30

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: 0.128+/-0.006 χ^2/NDF:367.5/13

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

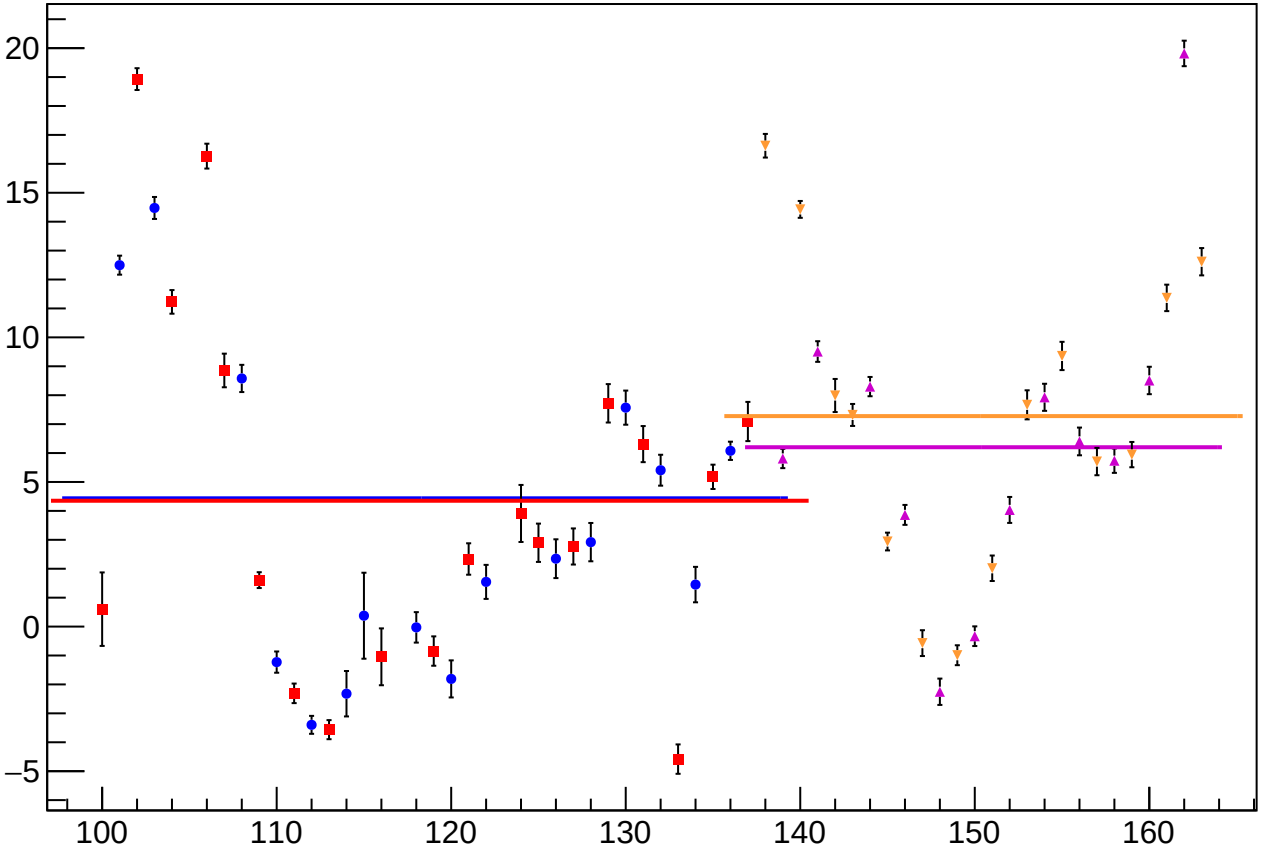
Left In: 0.153+/-0.006 χ^2/NDF:348.4/11

+ sign 0.170+/-0.005 χ^2/NDF: 2008.1/29

All: 0.174+/-0.004 χ^2/NDF: 3666.0/60

- sign 0.178+/-0.005 χ^2/NDF: 1656.5/30

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: 7.278+/-0.109 χ^2/NDF:2600.7/13

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

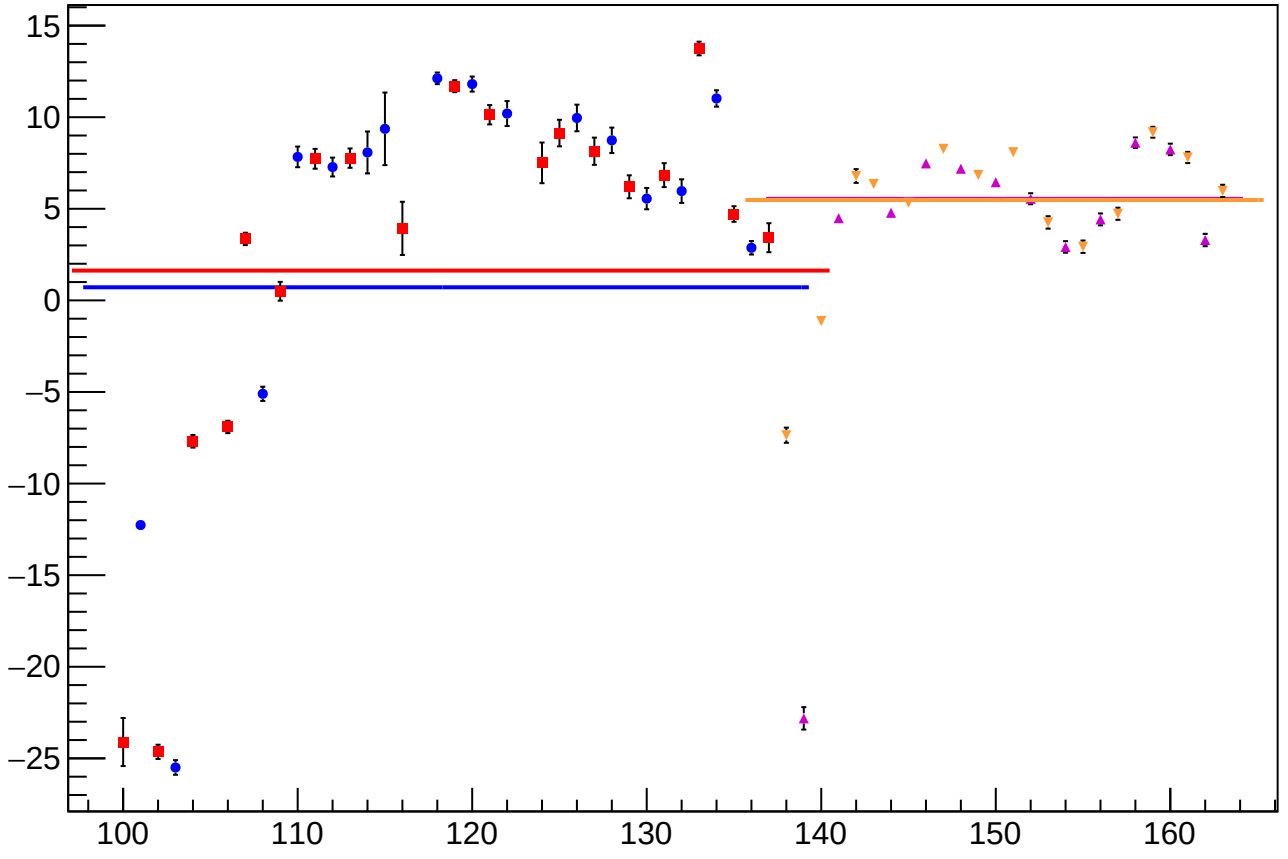
Left In: 6.201+/-0.114 χ^2/NDF:1901.6/11

+ sign 5.955+/-0.080 χ^2/NDF: 5538.7/29

All: 5.591+/-0.056 χ^2/NDF: 11824.2/60

- sign 5.235+/-0.079 χ^2/NDF: 6244.3/30

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: 5.480+/-0.076 χ^2/NDF:2334.6/13

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

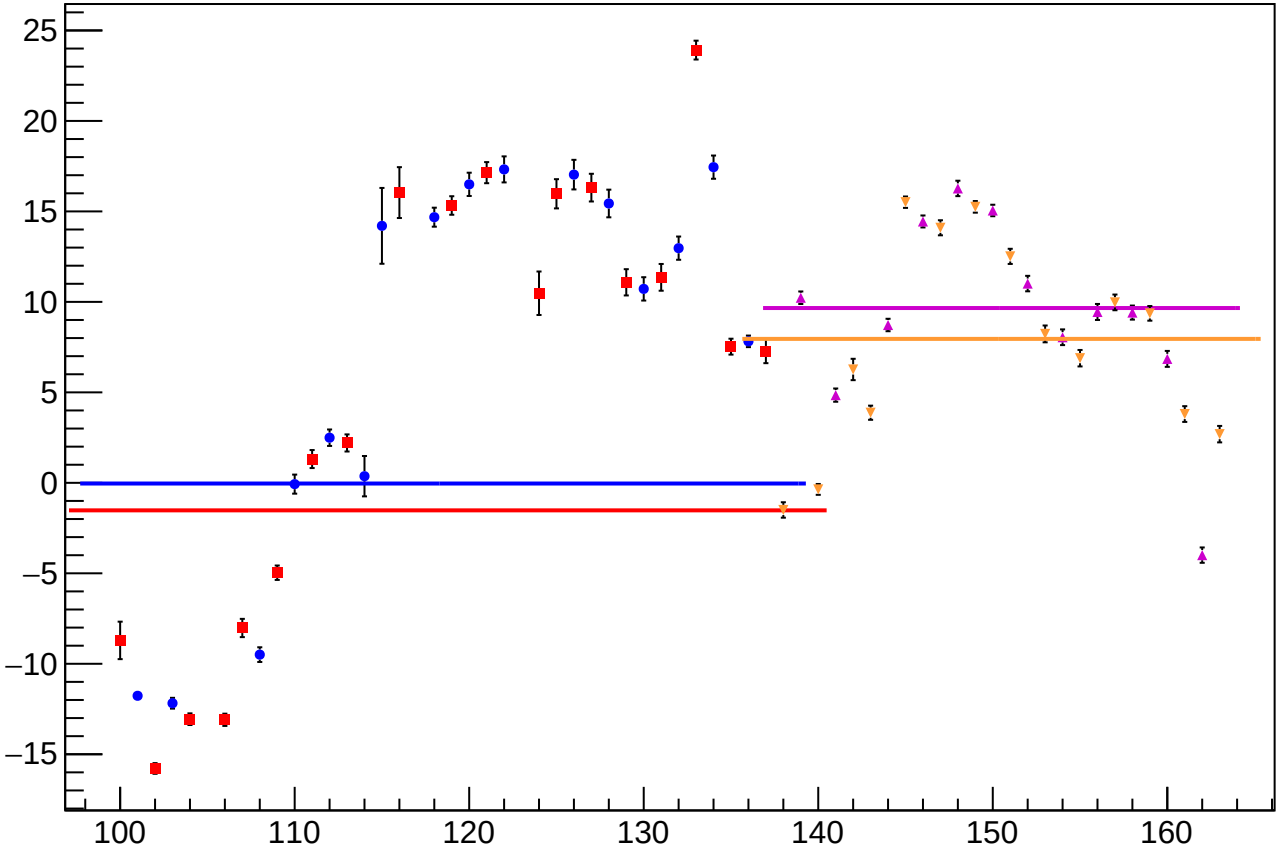
Left In: 5.542+/-0.080 χ^2/NDF:2643.9/11

+ sign 4.060+/-0.063 χ^2/NDF: 13974.9/29

All: 4.134+/-0.045 χ^2/NDF: 26697.8/60

- sign 4.211+/-0.065 χ^2/NDF: 12720.2/30

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: 7.955+/-0.106 χ^2/NDF:3067.9/13

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

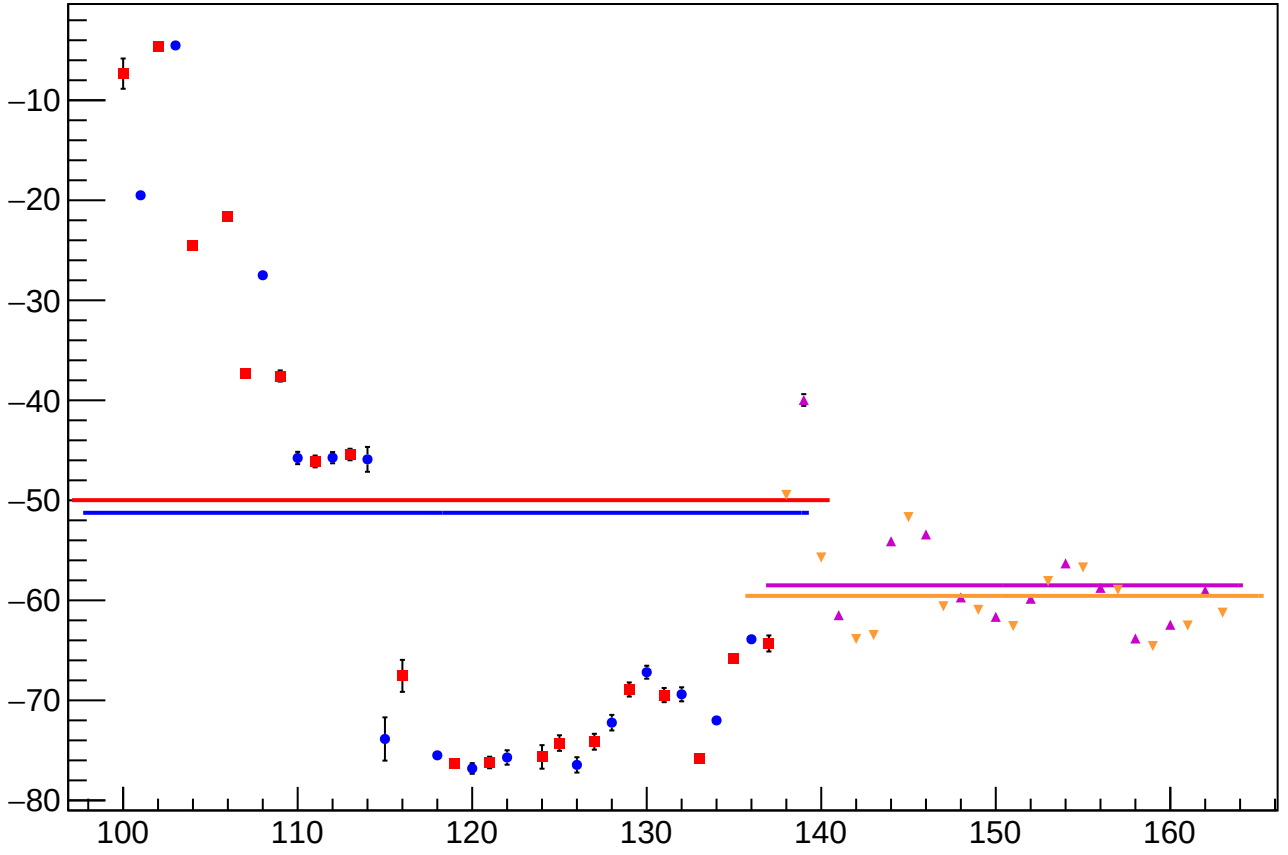
Left In: 9.660+/-0.110 χ^2/NDF:2020.8/11

+ sign 4.413+/-0.079 χ^2/NDF: 14839.6/29

All: 4.357+/-0.056 χ^2/NDF: 33905.6/60

- sign 4.300+/-0.080 χ^2/NDF: 19065.0/30

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: -59.554+/-0.089 χ^2/NDF:2164.2/13

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

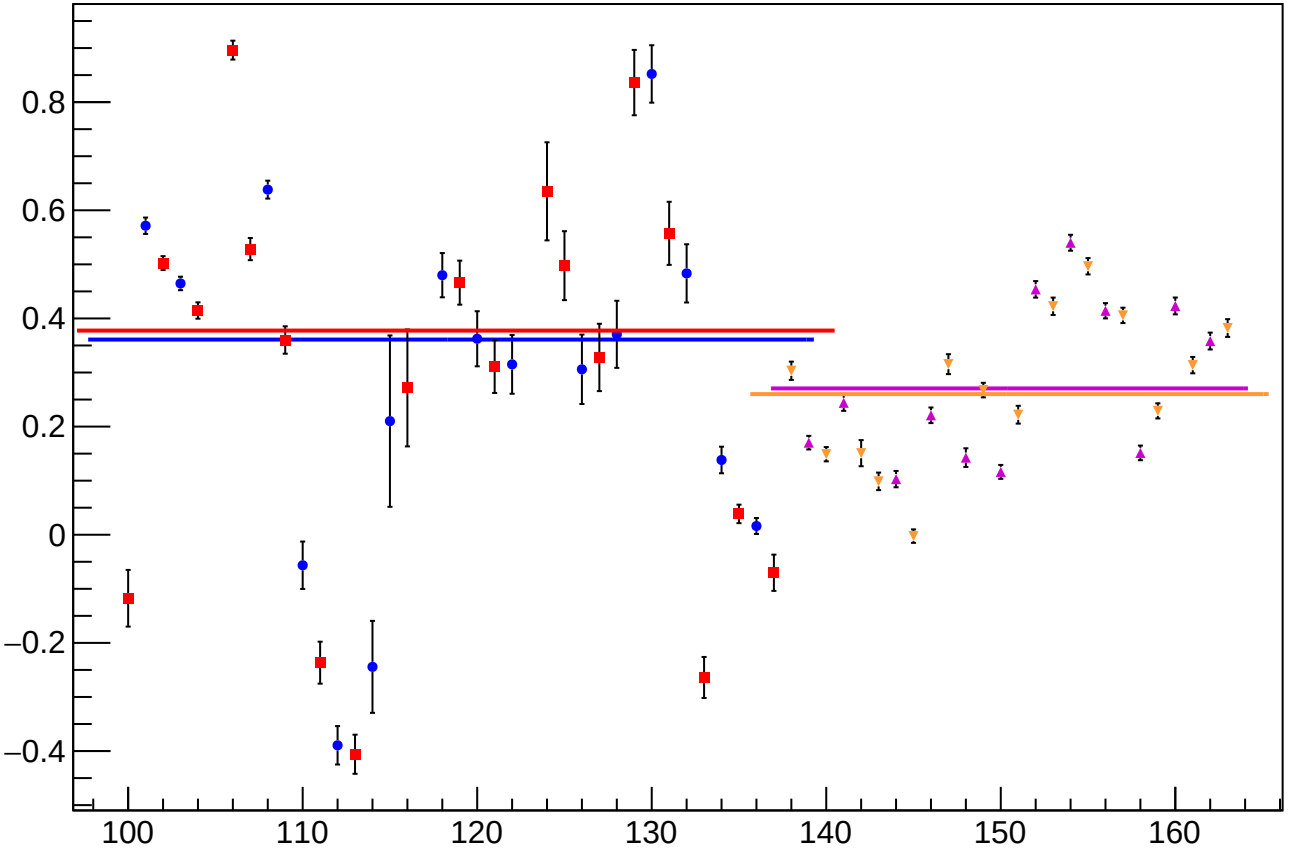
Left In: -58.498+/-0.093 χ^2/NDF:2358.2/11

+ sign -57.069+/-0.074 χ^2/NDF: 38554.1/29

All: -56.367+/-0.053 χ^2/NDF: 77806.2/60

- sign -55.637+/-0.076 χ^2/NDF: 39069.8/30

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: 0.260+/-0.004 χ^2/NDF:1179.8/13

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

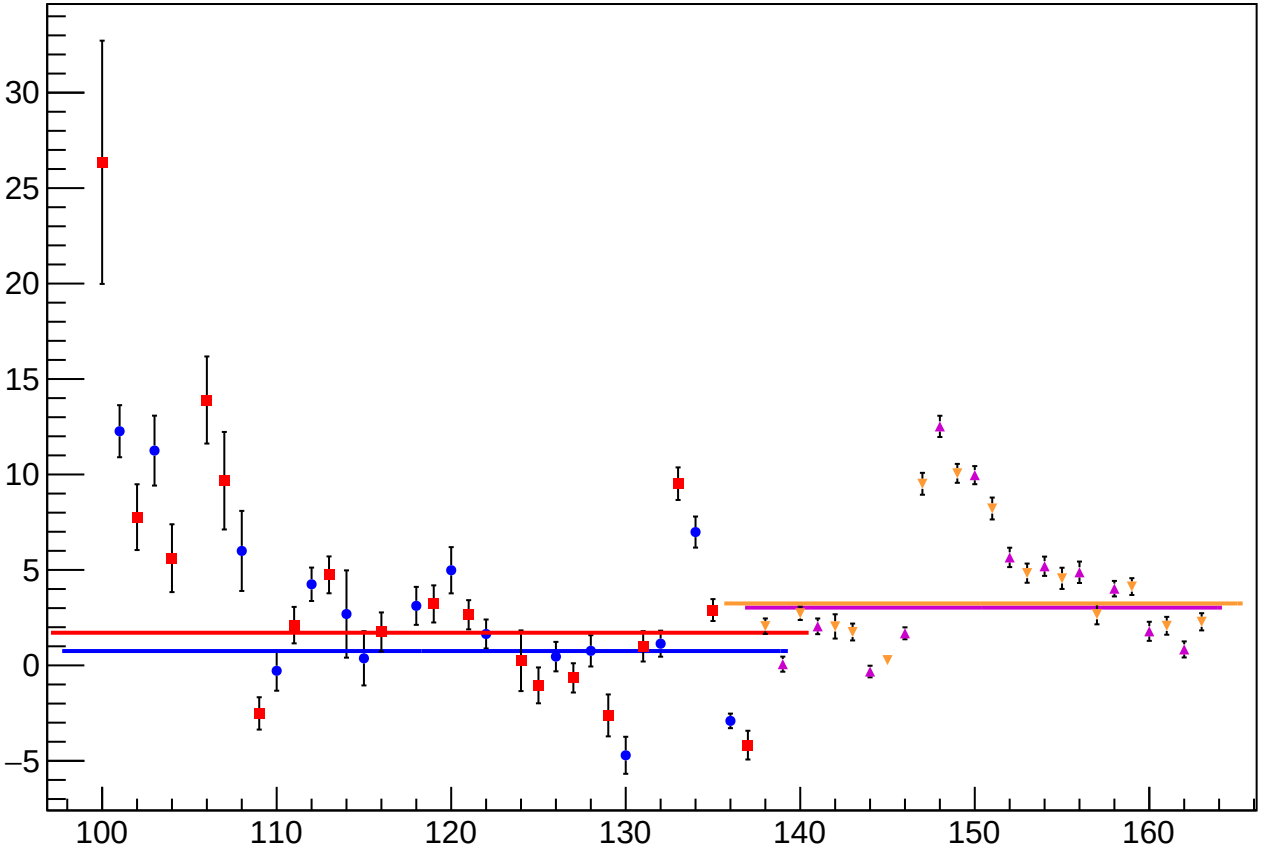
Left In: 0.271+/-0.004 χ^2/NDF:1186.8/11

+ sign 0.290+/-0.003 χ^2/NDF: 3217.3/29

All: 0.297+/-0.002 χ^2/NDF: 7412.7/60

- sign 0.305+/-0.003 χ^2/NDF: 4185.7/30

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: 3.244+/-0.118 χ^2/NDF:568.3/13

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

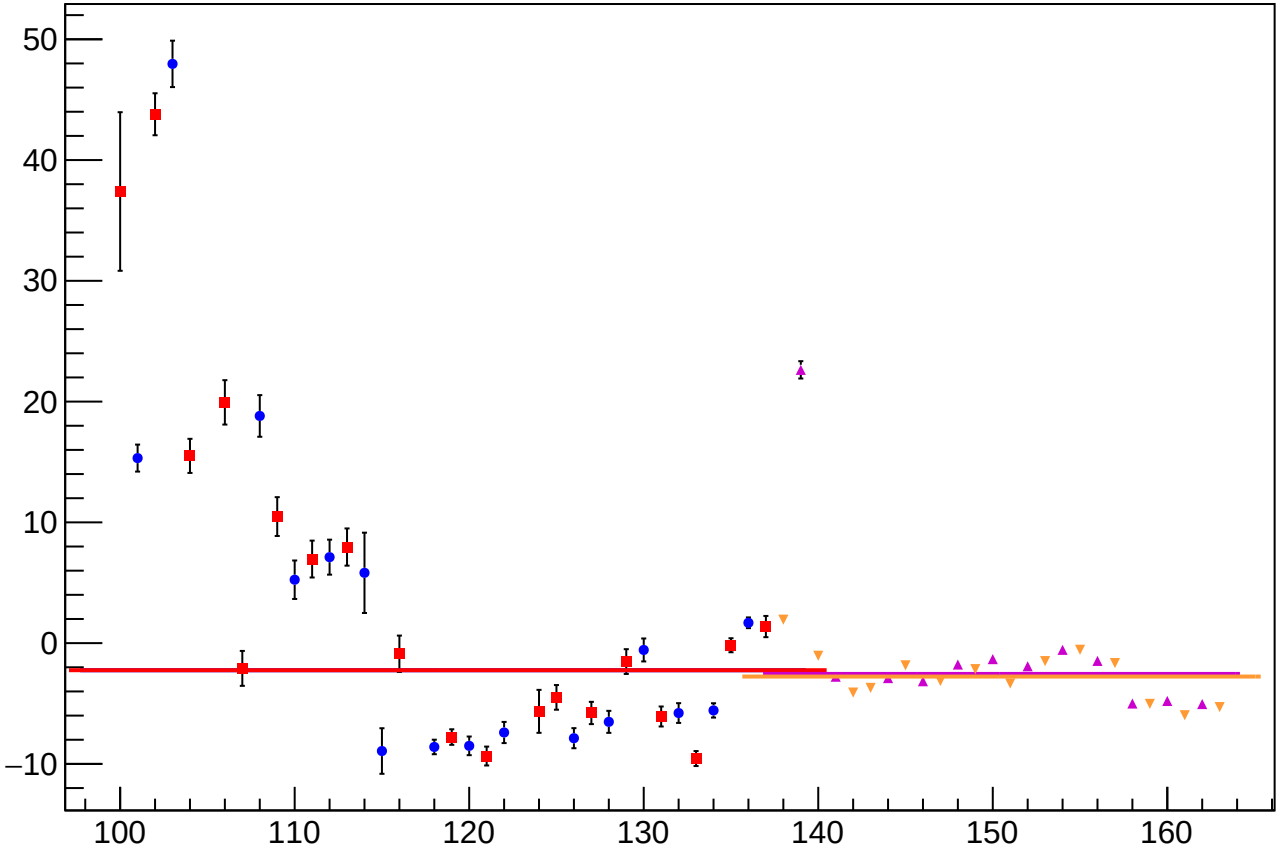
Left In: 3.027+/-0.122 χ^2/NDF:801.2/11

+ sign 2.657+/-0.103 χ^2/NDF: 1003.7/29

All: 2.690+/-0.074 χ^2/NDF: 2125.8/60

- sign 2.725+/-0.107 χ^2/NDF: 1122.0/30

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: -2.767+/-0.083 χ^2/NDF:504.8/13

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

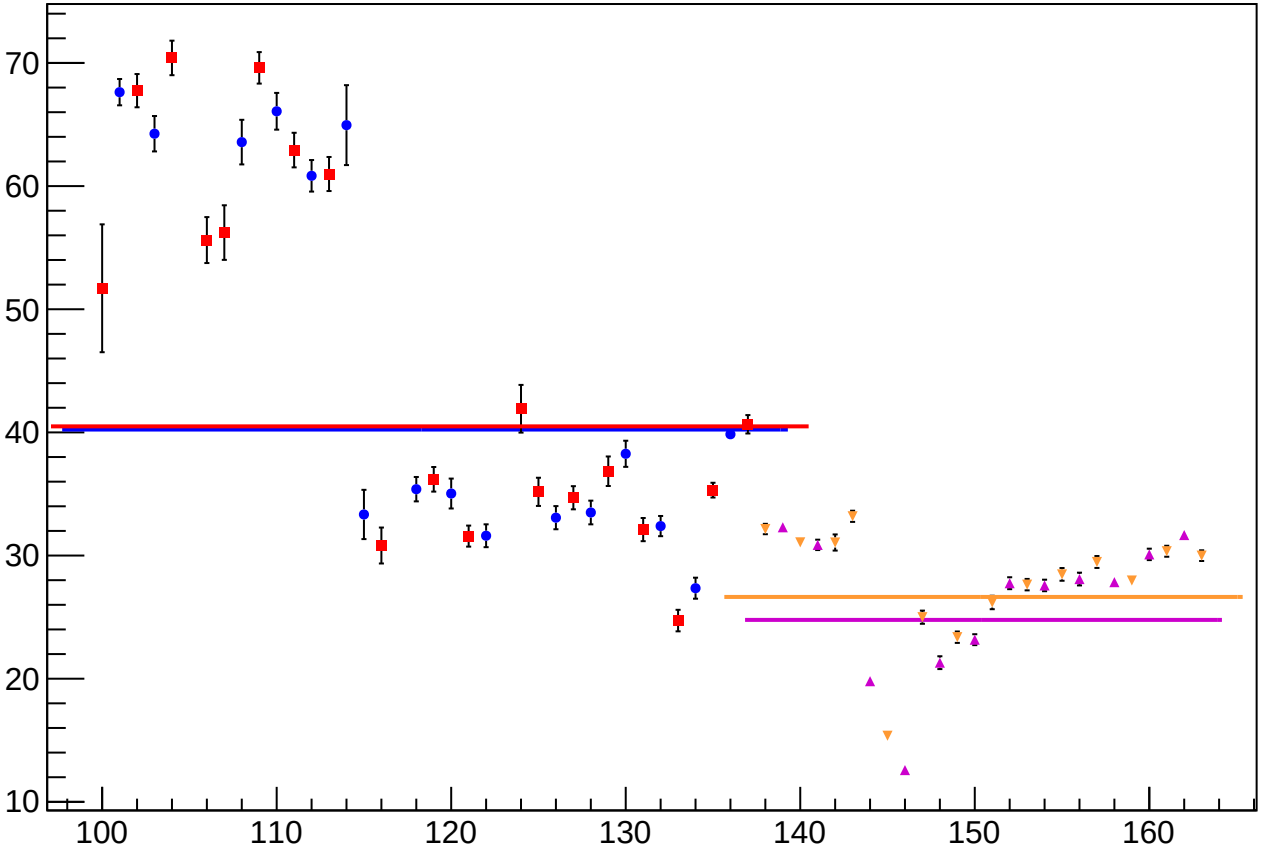
Left In: -2.550+/-0.085 χ^2/NDF:1497.3/11

+ sign -2.699+/-0.078 χ^2/NDF: 2082.4/29

All: -2.608+/-0.055 χ^2/NDF: 5139.7/60

- sign -2.513+/-0.079 χ^2/NDF: 3054.5/30

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: 26.639+/-0.116 χ^2/NDF:2546.9/13

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

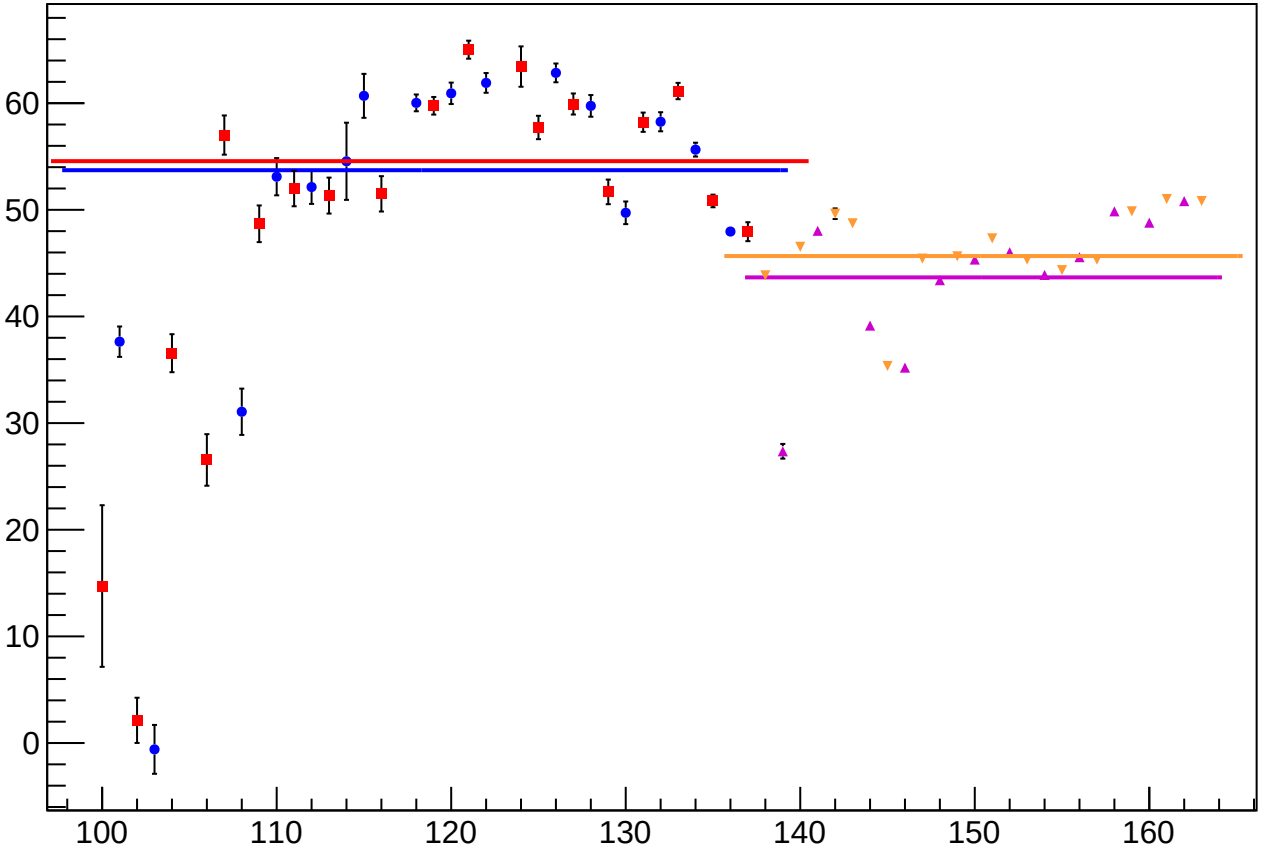
Left In: 24.775+/-0.118 χ^2/NDF:3087.1/11

+ sign 29.363+/-0.104 χ^2/NDF: 7596.4/29

All: 28.522+/-0.074 χ^2/NDF: 16739.8/60

- sign 27.629+/-0.107 χ^2/NDF: 9007.6/30

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: 45.666+/-0.097 χ^2/NDF:2601.8/13

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

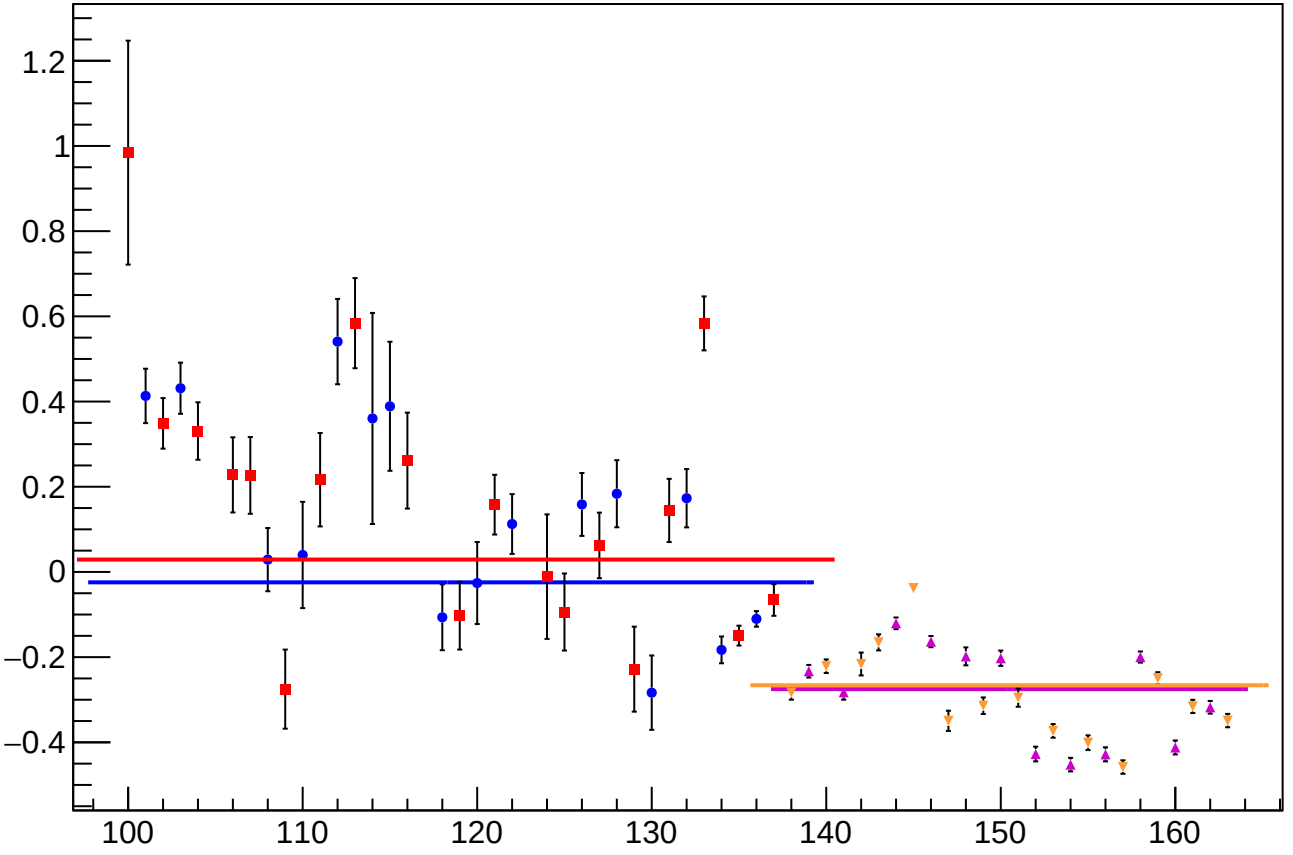
Left In: 43.664+/-0.098 χ^2/NDF:3460.5/11

+ sign 46.799+/-0.090 χ^2/NDF: 4939.1/29

All: 45.952+/-0.064 χ^2/NDF: 11503.7/60

- sign 45.064+/-0.092 χ^2/NDF: 6381.8/30

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: -0.266+/-0.004 χ^2/NDF:800.9/13

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

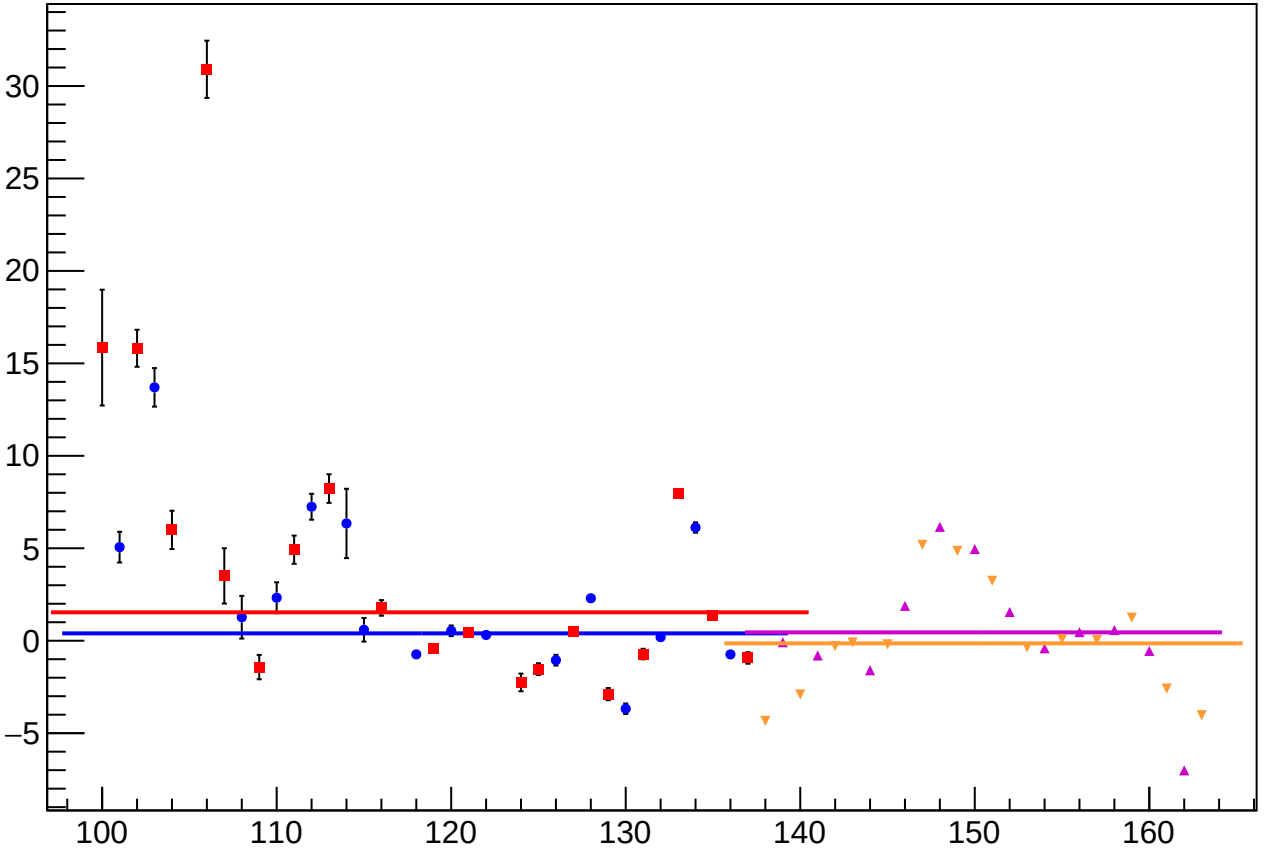
Left In: -0.275+/-0.004 χ^2/NDF:634.2/11

+ sign -0.240+/-0.004 χ^2/NDF: 1348.8/29

All: -0.244+/-0.003 χ^2/NDF: 2675.4/60

- sign -0.248+/-0.004 χ^2/NDF: 1325.1/30

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: -0.142+/-0.044 χ^2/NDF:3848.2/13

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

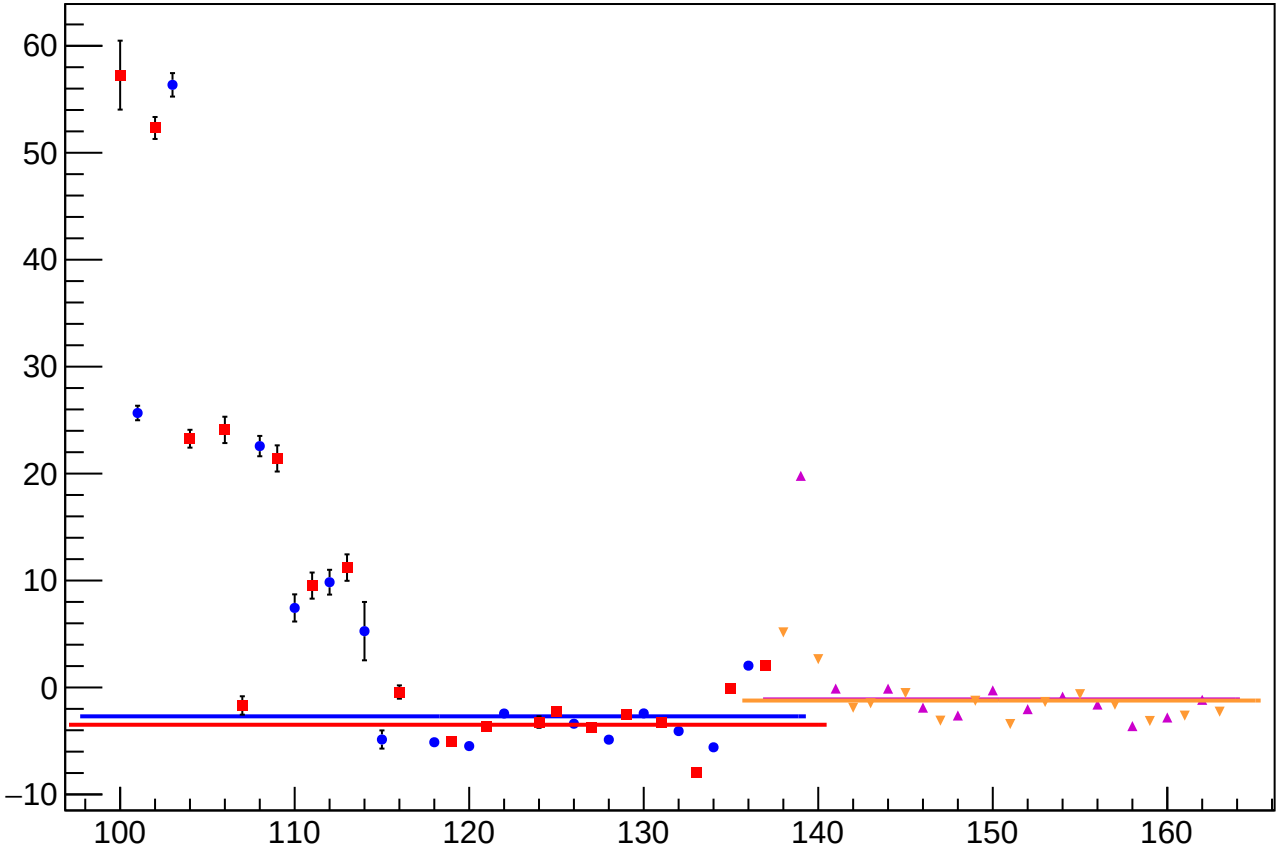
Left In: 0.452+/-0.045 χ^2/NDF:4084.7/11

+ sign -0.007+/-0.038 χ^2/NDF: 4982.4/29

All: 0.352+/-0.027 χ^2/NDF: 11799.5/60

- sign 0.723+/-0.039 χ^2/NDF: 6640.0/30

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: -1.221+/-0.031 χ^2/NDF:4171.5/13

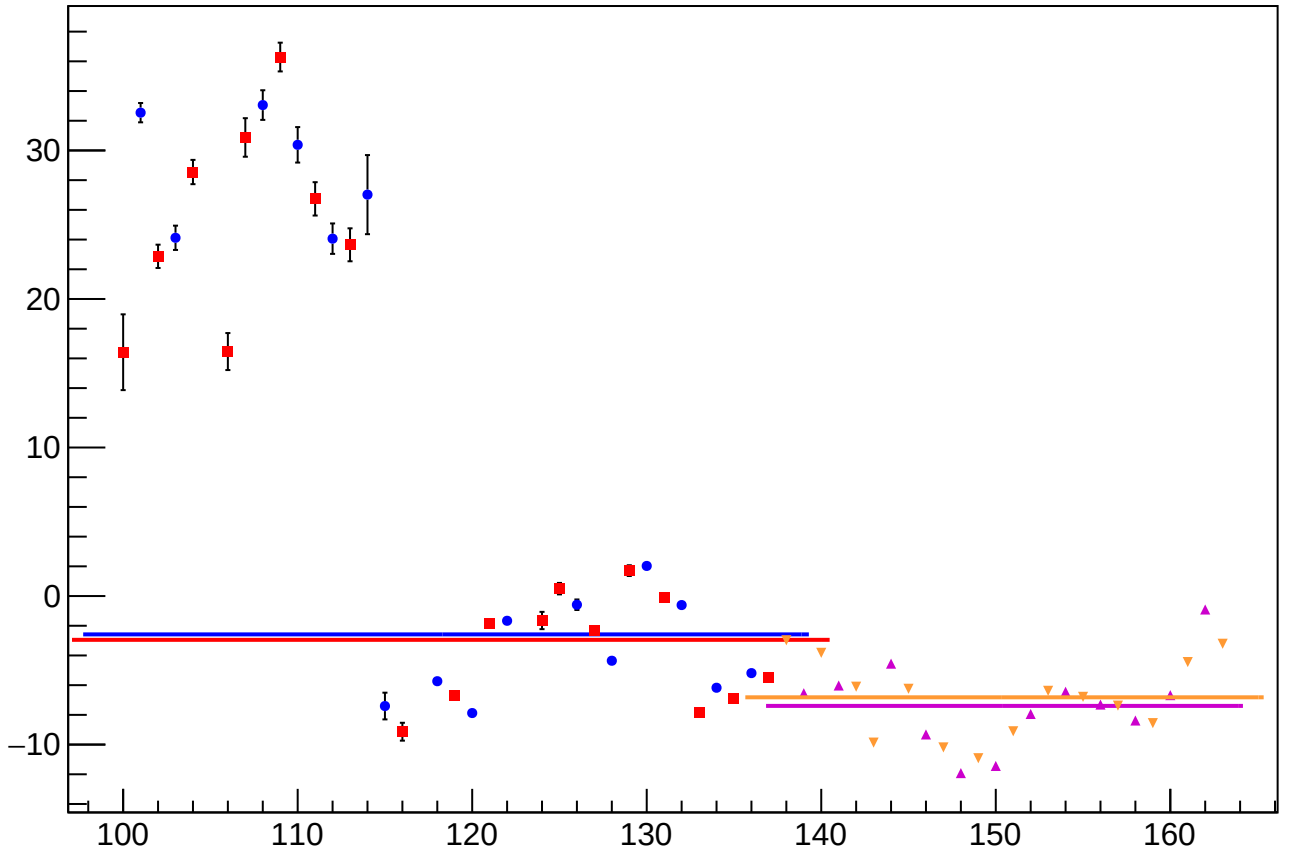
Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.116+/-0.031 χ^2/NDF:8063.7/11

+ sign -1.463+/-0.029 χ^2/NDF: 11640.3/29

All: -1.485+/-0.020 χ^2/NDF: 27799.2/60

- sign -1.506+/-0.029 χ^2/NDF: 16157.8/30



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.818+/-0.044 χ^2/NDF:3367.9/13

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

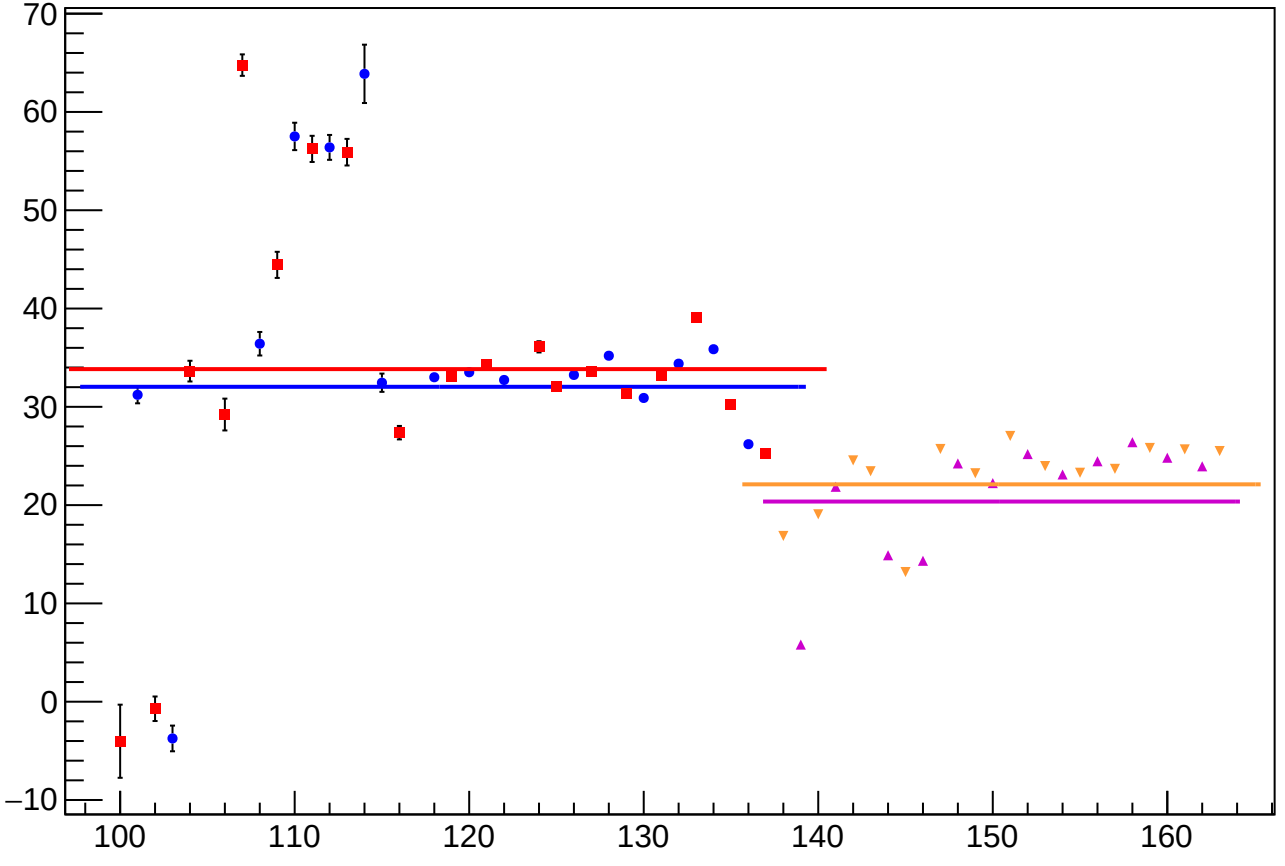
Left In: -7.396+/-0.044 χ^2/NDF:3941.4/11

+ sign -5.902+/-0.039 χ^2/NDF: 13565.2/29

All: -6.177+/-0.027 χ^2/NDF: 27968.5/60

- sign -6.457+/-0.039 χ^2/NDF: 14301.0/30

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: 22.114+/-0.037 χ^2/NDF:15467.3/13

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

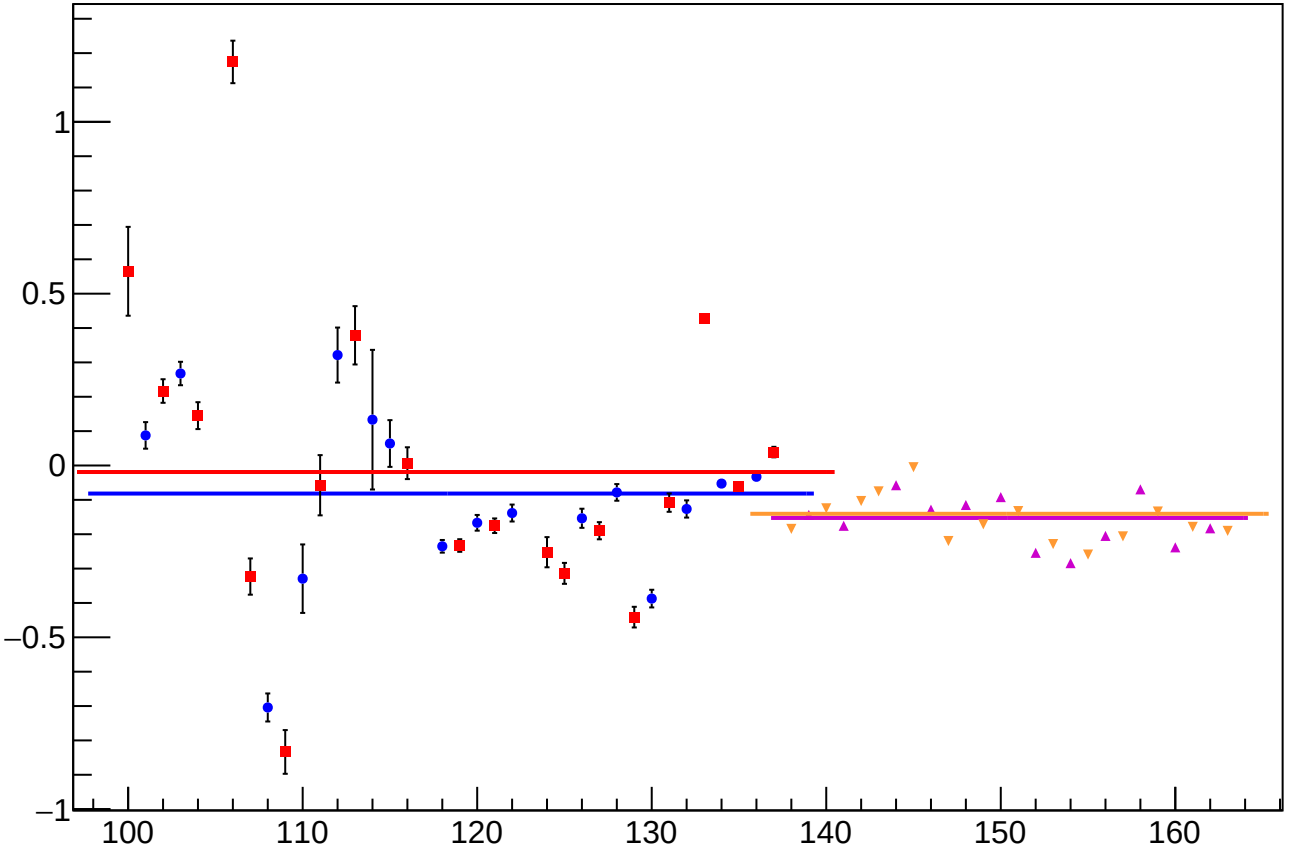
Left In: 20.363+/-0.037 χ^2/NDF:18610.2/11

+ sign 23.794+/-0.033 χ^2/NDF: 31104.1/29

All: 23.226+/-0.024 χ^2/NDF: 77155.3/60

- sign 22.652+/-0.034 χ^2/NDF: 45471.6/30

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.141+/-0.002 χ^2/NDF:2143.8/13

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

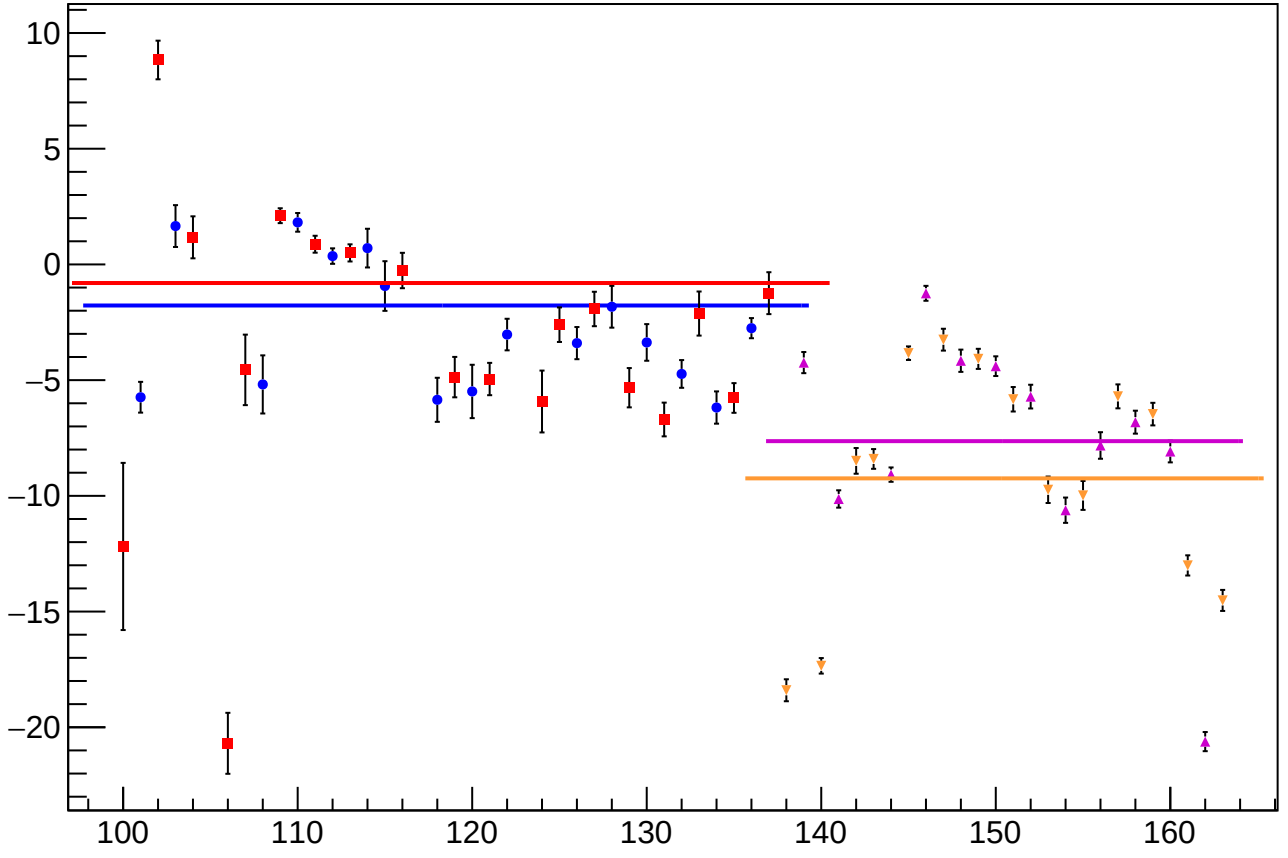
Left In: -0.153+/-0.002 χ^2/NDF:1664.7/11

+ sign -0.134+/-0.002 χ^2/NDF: 2965.5/29

All: -0.137+/-0.001 χ^2/NDF: 7507.8/60

- sign -0.140+/-0.002 χ^2/NDF: 4536.0/30

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.245+/-0.119 χ^2/NDF:1936.1/13

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

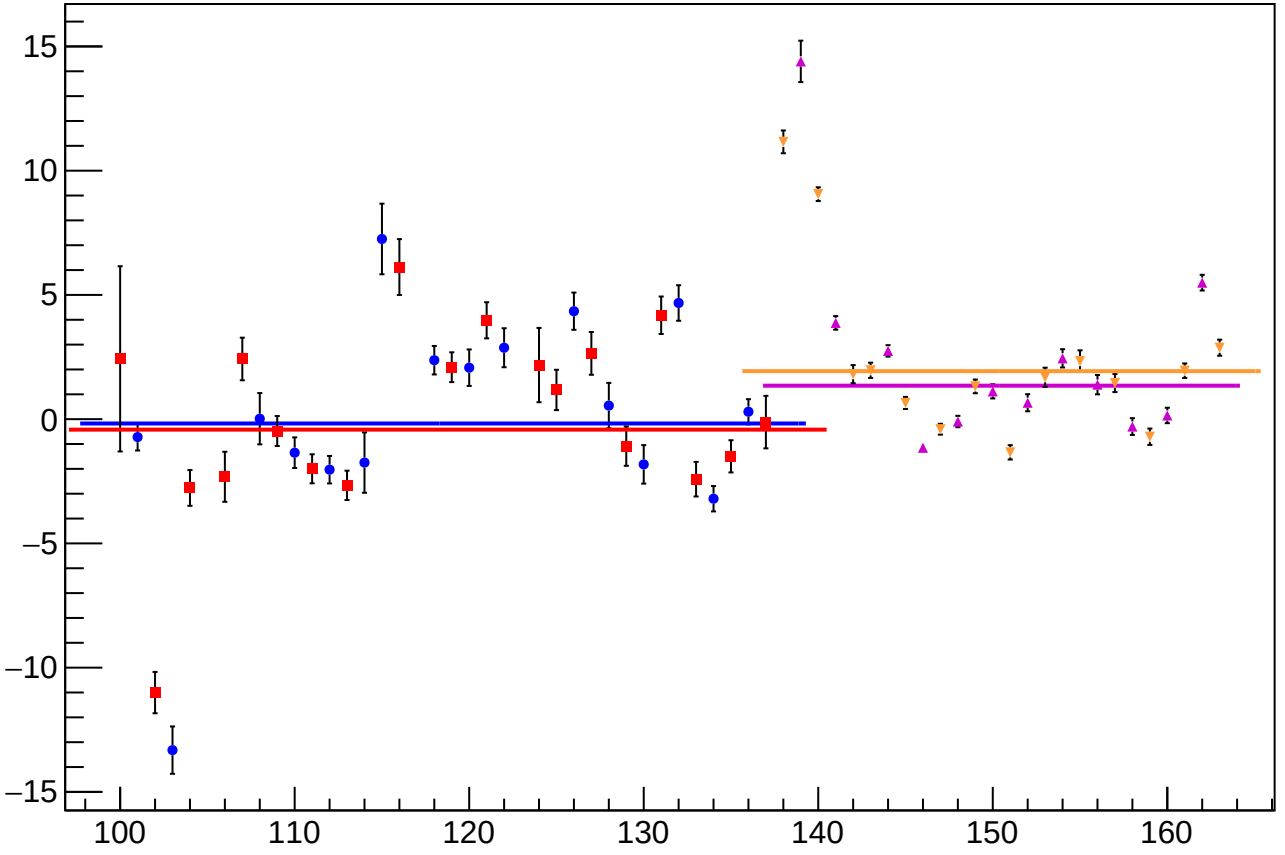
Left In: -7.636+/-0.123 χ^2/NDF:1656.1/11

+ sign -6.524+/-0.095 χ^2/NDF: 3670.7/29

All: -5.689+/-0.067 χ^2/NDF: 7474.7/60

- sign -4.858+/-0.095 χ^2/NDF: 3649.2/30

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.932+/-0.082 χ^2/NDF:1418.3/13

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

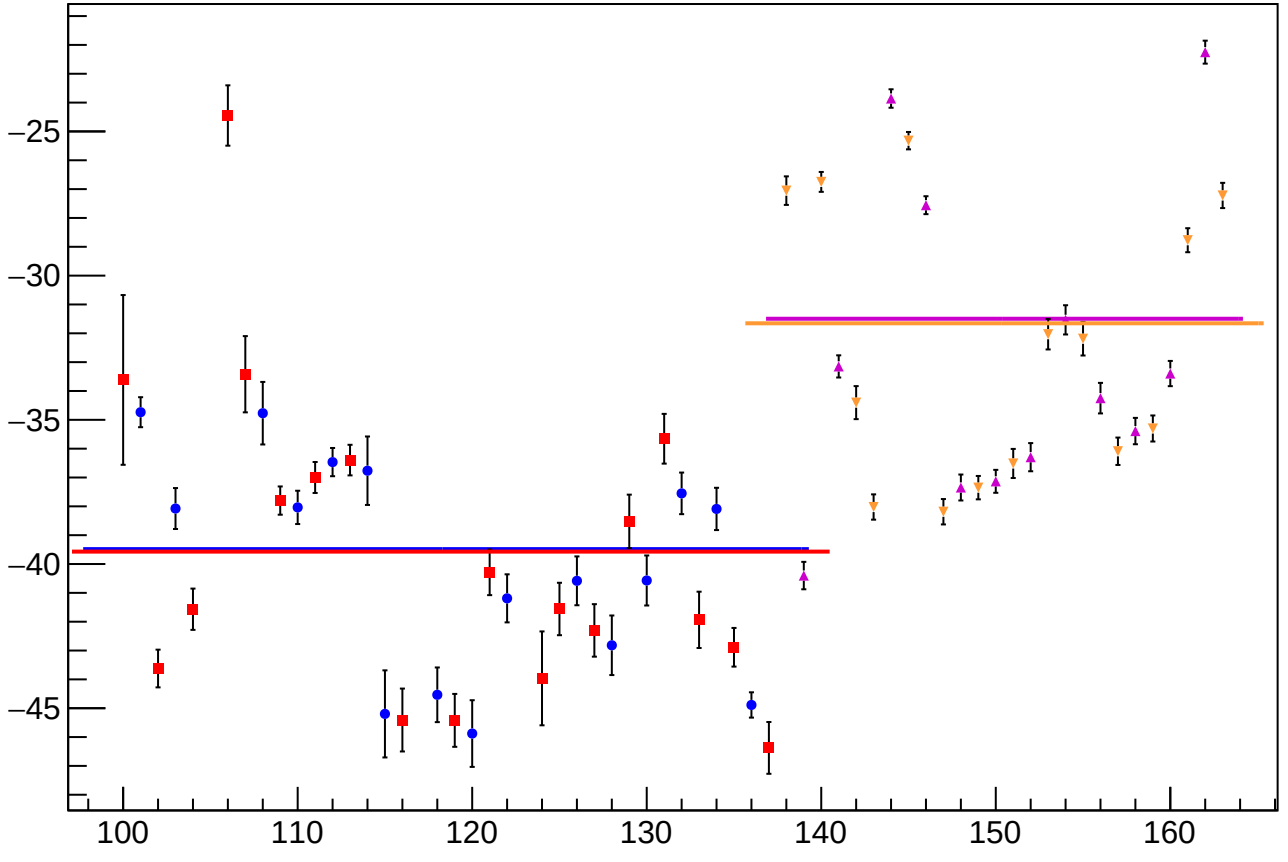
Left In: 1.347+/-0.083 χ^2/NDF:798.3/11

+ sign 1.547+/-0.074 χ^2/NDF: 1942.5/29

All: 1.292+/-0.053 χ^2/NDF: 3212.9/60

- sign 1.026+/-0.075 χ^2/NDF: 1246.2/30

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.653+/-0.116 χ^2/NDF:1778.5/13

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

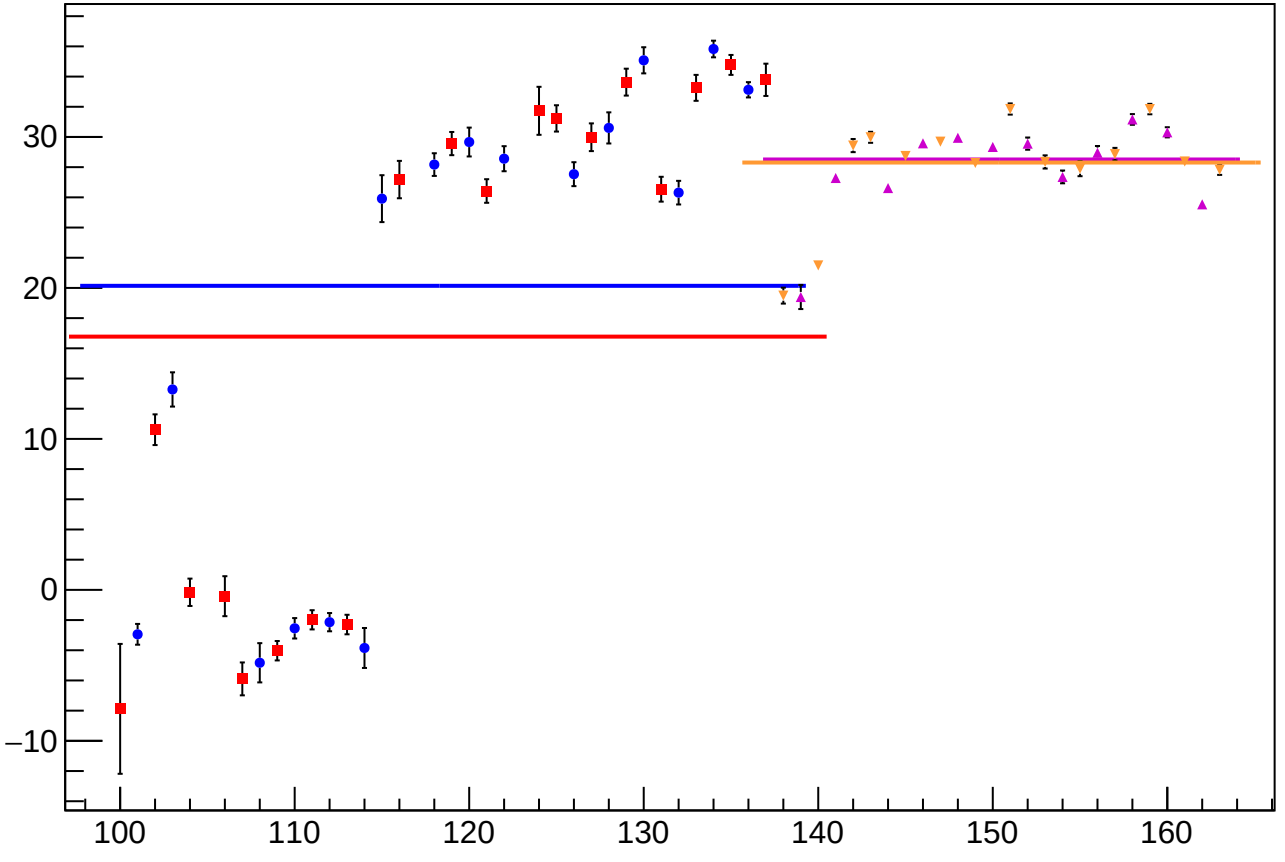
Left In: -31.495+/-0.119 χ^2/NDF:2224.8/11

+ sign -33.959+/-0.098 χ^2/NDF: 3519.6/29

All: -33.947+/-0.070 χ^2/NDF: 7687.3/60

- sign -33.934+/-0.099 χ^2/NDF: 4167.6/30

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.307+/-0.096 χ^2/NDF:949.6/13

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

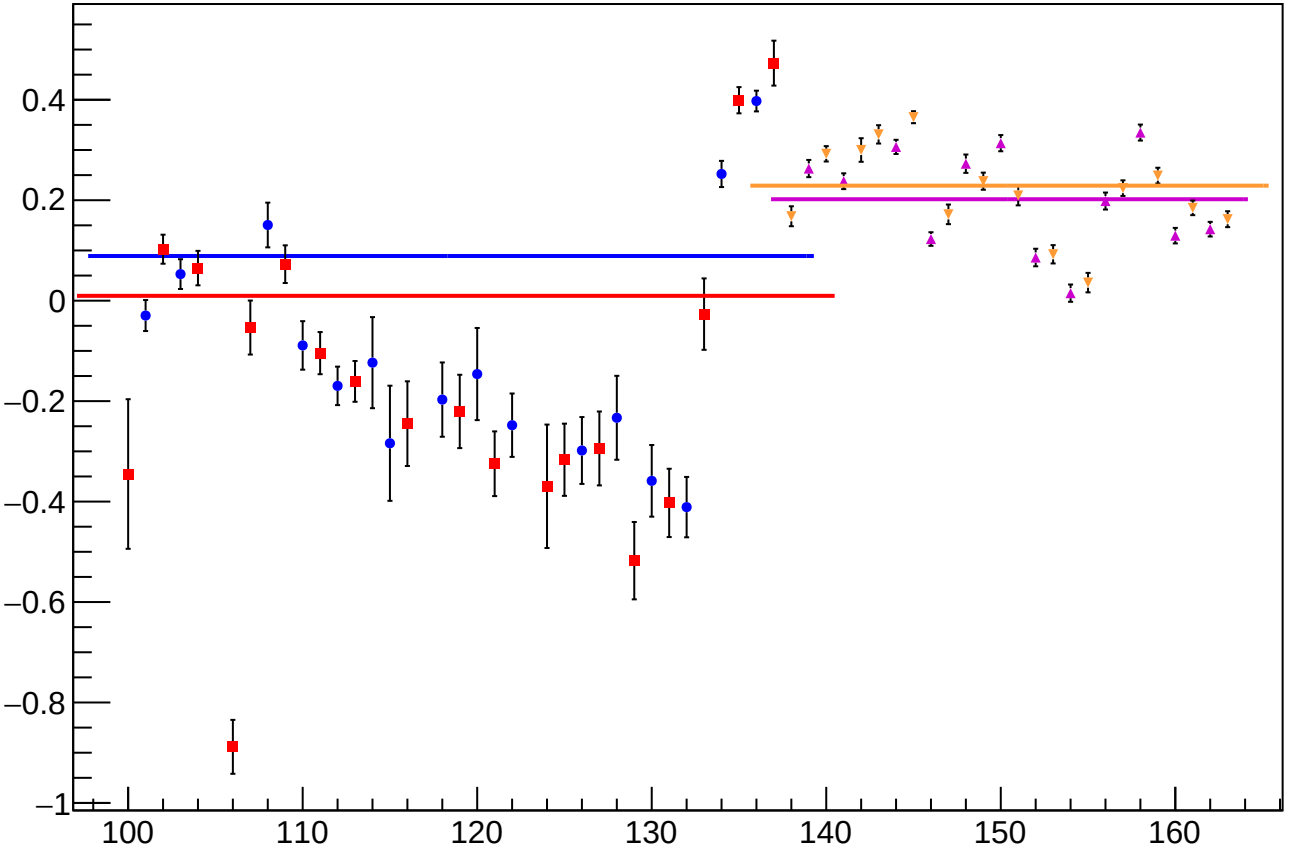
Left In: 28.508+/-0.098 χ^2/NDF:421.5/11

+ sign 26.707+/-0.086 χ^2/NDF: 9048.9/29

All: 26.472+/-0.062 χ^2/NDF: 19005.5/60

- sign 26.227+/-0.088 χ^2/NDF: 9941.4/30

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.229+/-0.004 χ^2/NDF:390.9/13

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

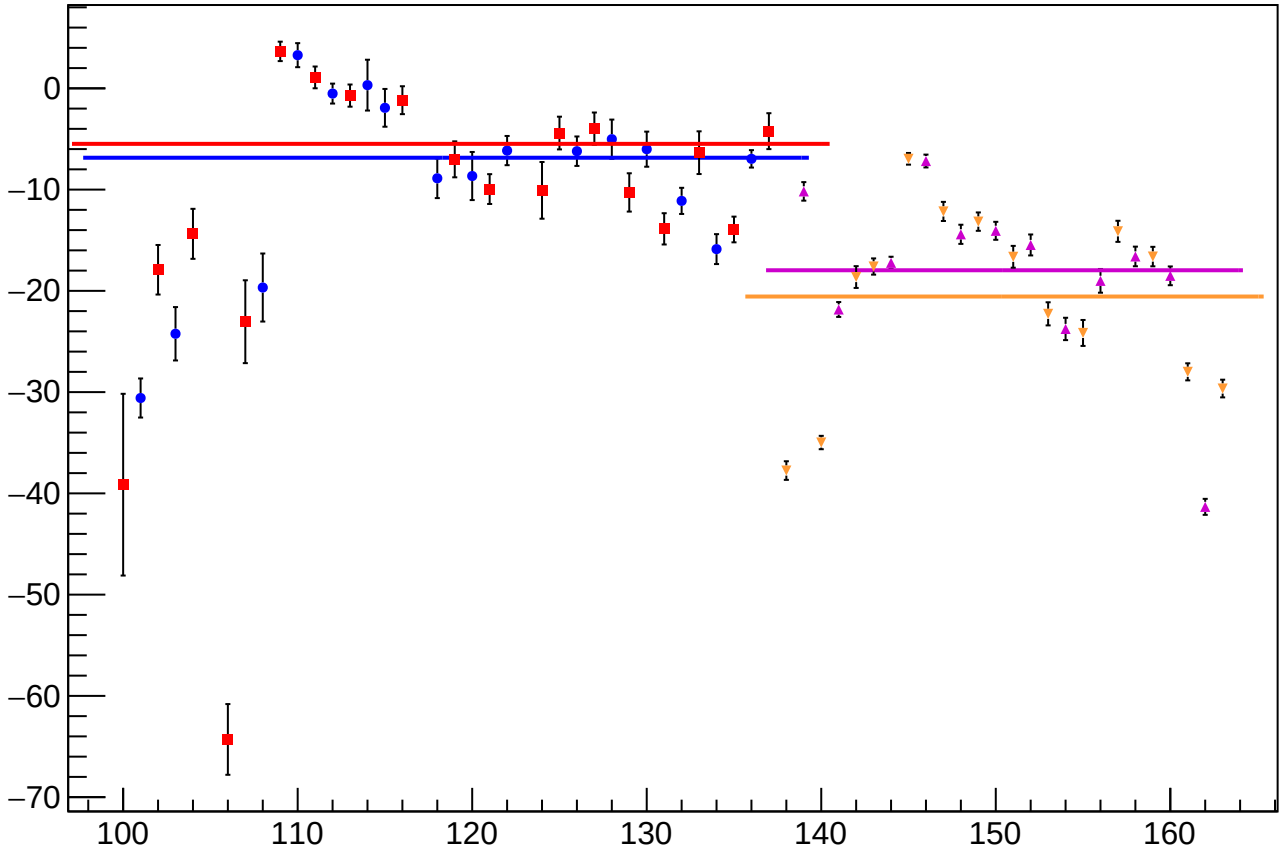
Left In: 0.202+/-0.005 χ^2/NDF:440.1/11

+ sign 0.207+/-0.004 χ^2/NDF: 1107.5/29

All: 0.191+/-0.003 χ^2/NDF: 2674.6/60

- sign 0.174+/-0.004 χ^2/NDF: 1534.8/30

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -20.560+/-0.234 χ^2/NDF:1810.0/13

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

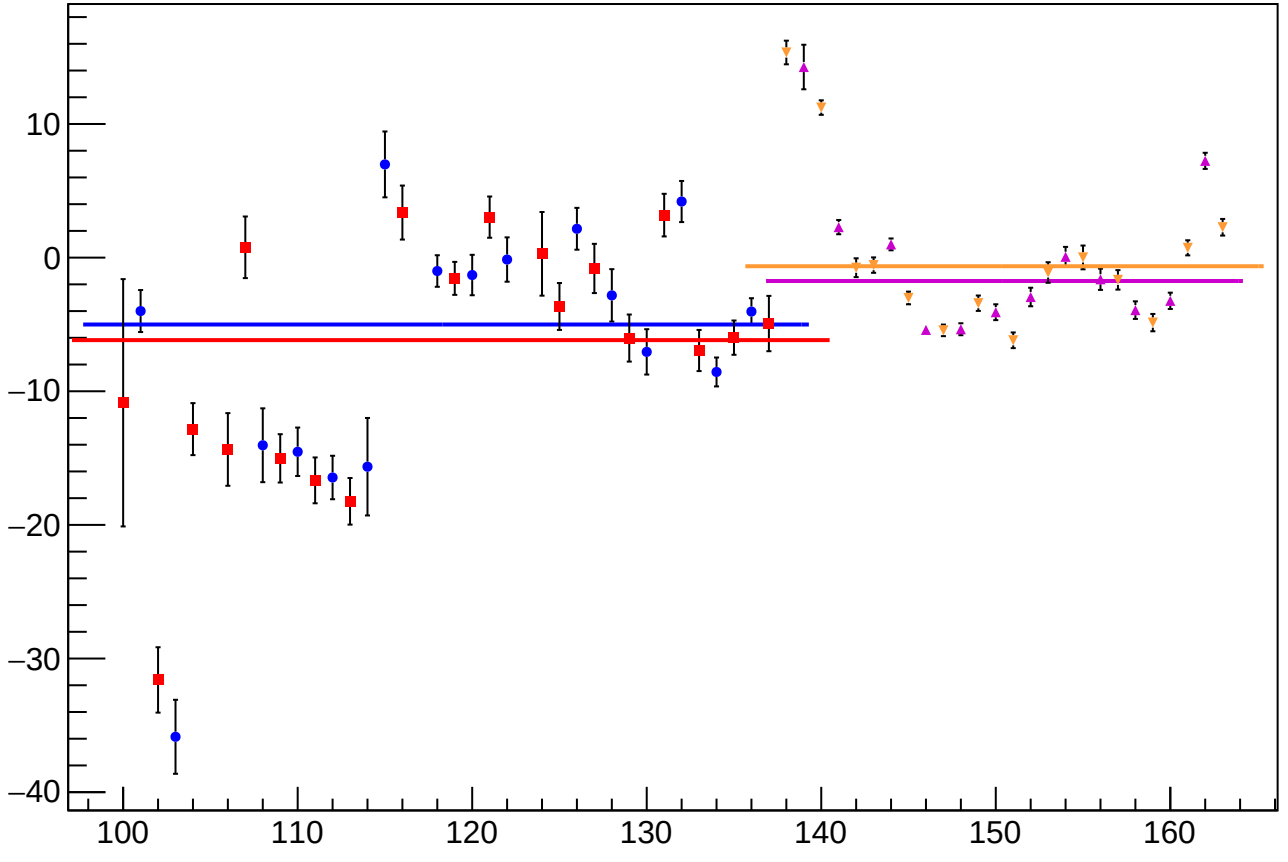
Left In: -17.966+/-0.243 χ^2/NDF:1335.8/11

+ sign -16.718+/-0.199 χ^2/NDF: 3158.5/29

All: -15.483+/-0.142 χ^2/NDF: 5978.7/60

- sign -14.200+/-0.203 χ^2/NDF: 2741.6/30

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.644+/-0.162 χ^2/NDF:1135.4/13

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

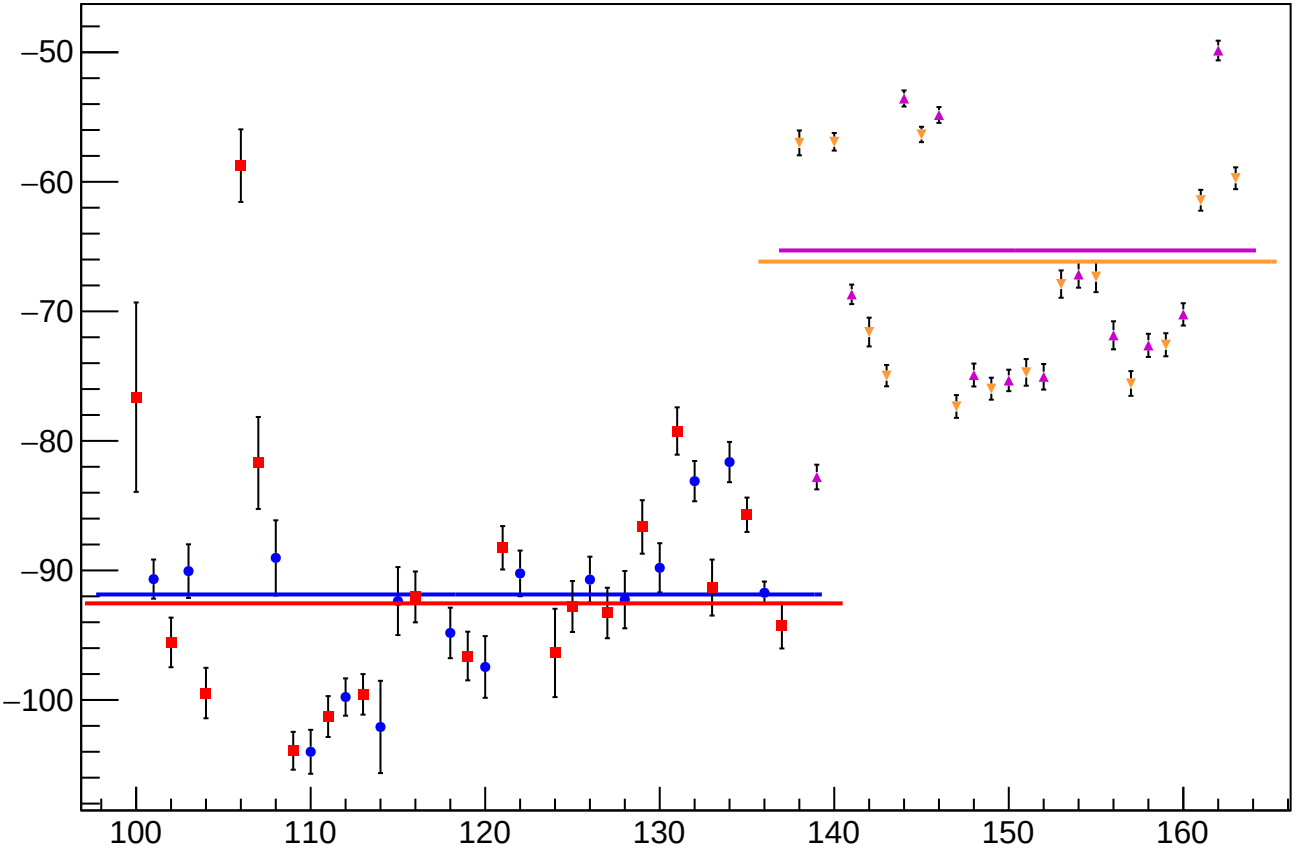
Left In: -1.748+/-0.164 χ^2/NDF:611.2/11

+ sign -1.269+/-0.150 χ^2/NDF: 1581.4/29

All: -1.795+/-0.107 χ^2/NDF: 2684.6/60

- sign -2.343+/-0.153 χ^2/NDF: 1078.0/30

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -66.160+/-0.230 χ^2/NDF:1299.3/13

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

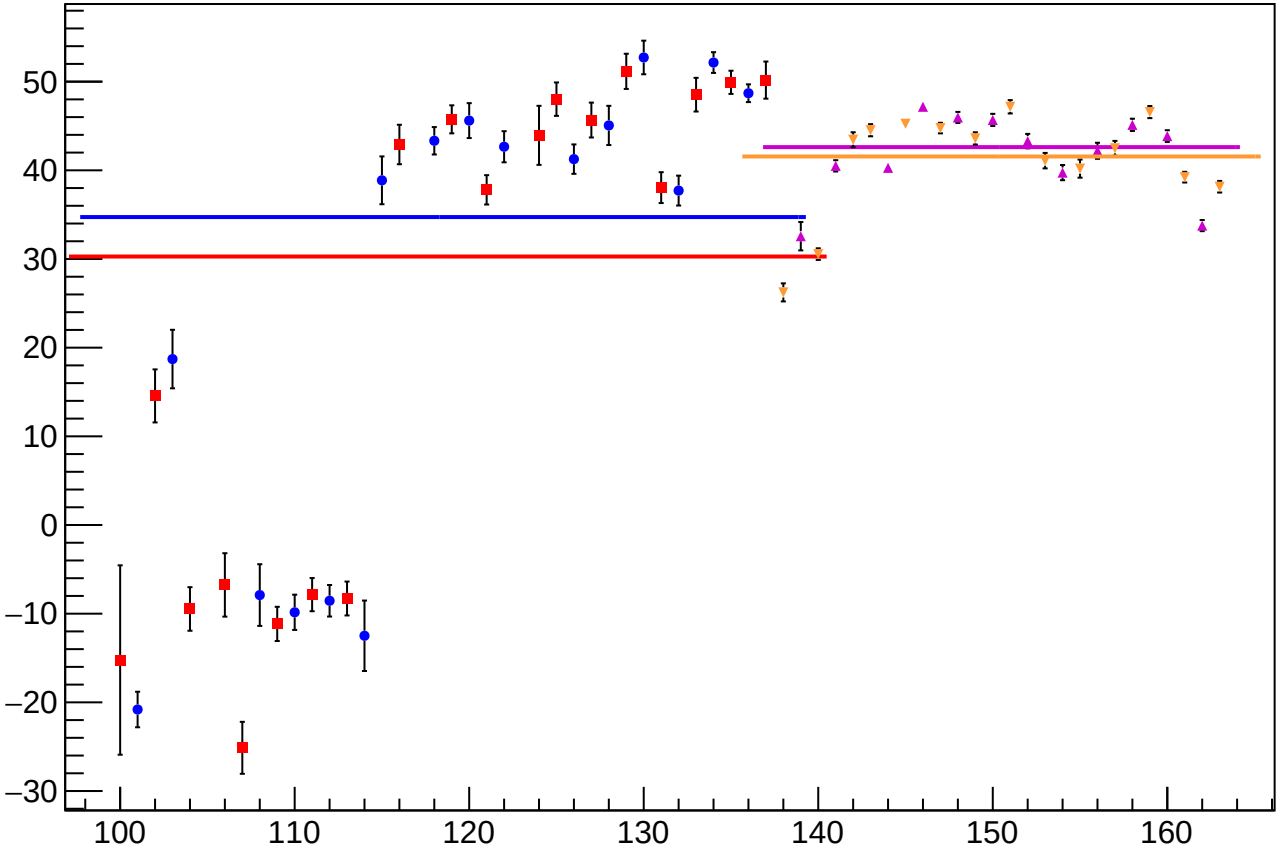
Left In: -65.298+/-0.235 χ^2/NDF:1924.4/11

+ sign -71.996+/-0.202 χ^2/NDF: 4314.6/29

All: -71.694+/-0.145 χ^2/NDF: 9620.7/60

- sign -71.375+/-0.207 χ^2/NDF: 5301.5/30

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.559+/-0.190 χ^2/NDF:770.4/13

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

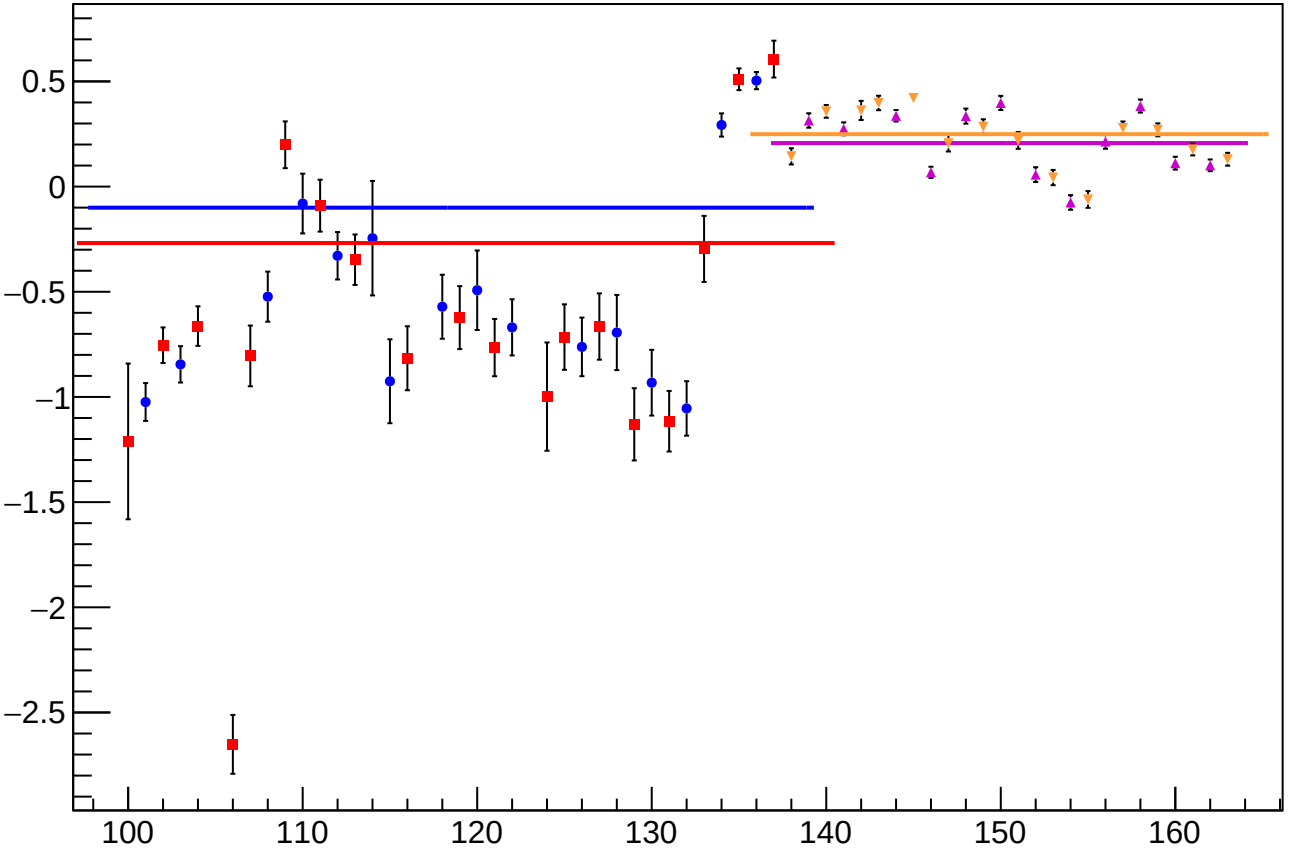
Left In: 42.618+/-0.193 χ^2/NDF:440.5/11

+ sign 40.498+/-0.174 χ^2/NDF: 3781.2/29

All: 40.652+/-0.125 χ^2/NDF: 7730.3/60

- sign 40.814+/-0.179 χ^2/NDF: 3947.4/30

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.249+/-0.009 χ^2/NDF:217.5/13

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

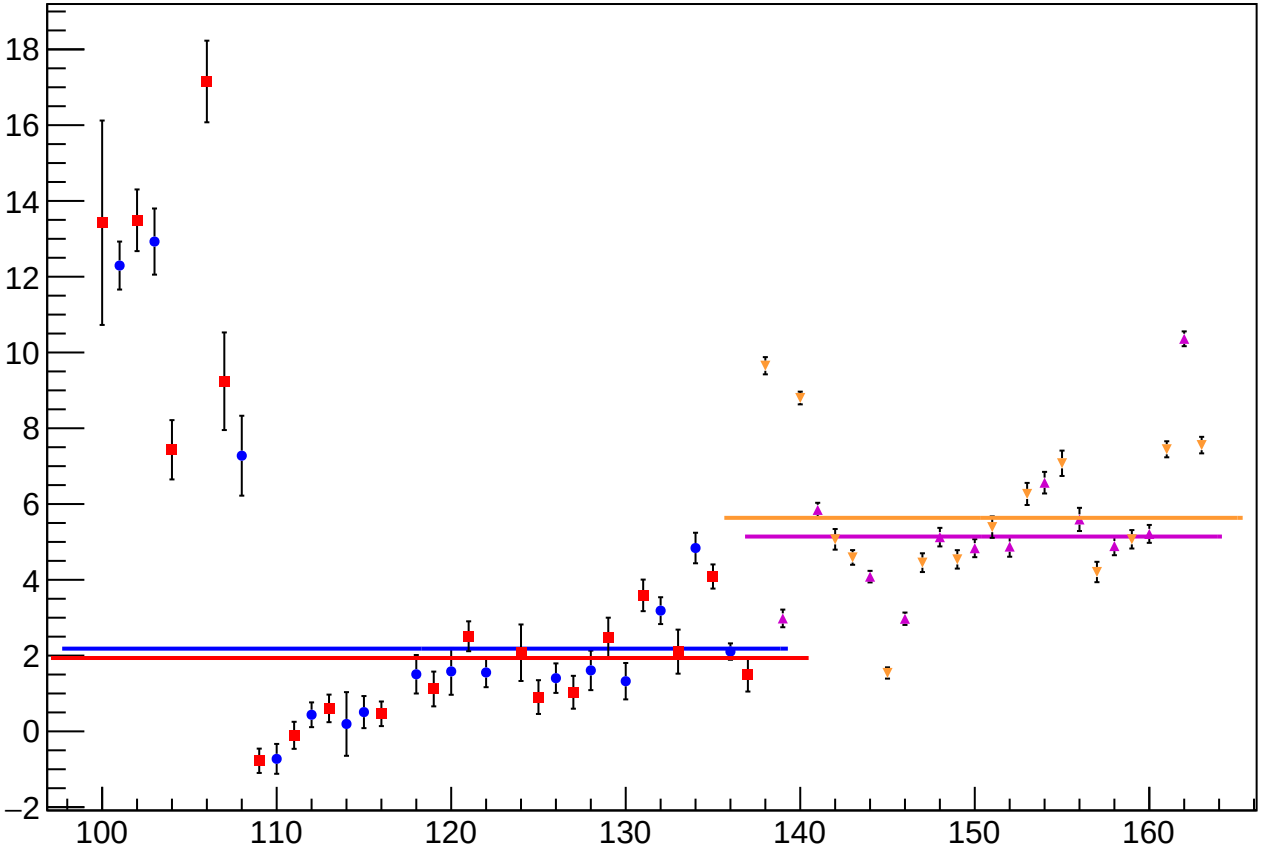
Left In: 0.207+/-0.009 χ^2/NDF:249.9/11

+ sign 0.208+/-0.008 χ^2/NDF: 1035.3/29

All: 0.183+/-0.006 χ^2/NDF: 2416.8/60

- sign 0.157+/-0.009 χ^2/NDF: 1363.4/30

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: 5.636+/-0.060 χ^2/NDF:1710.4/13

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

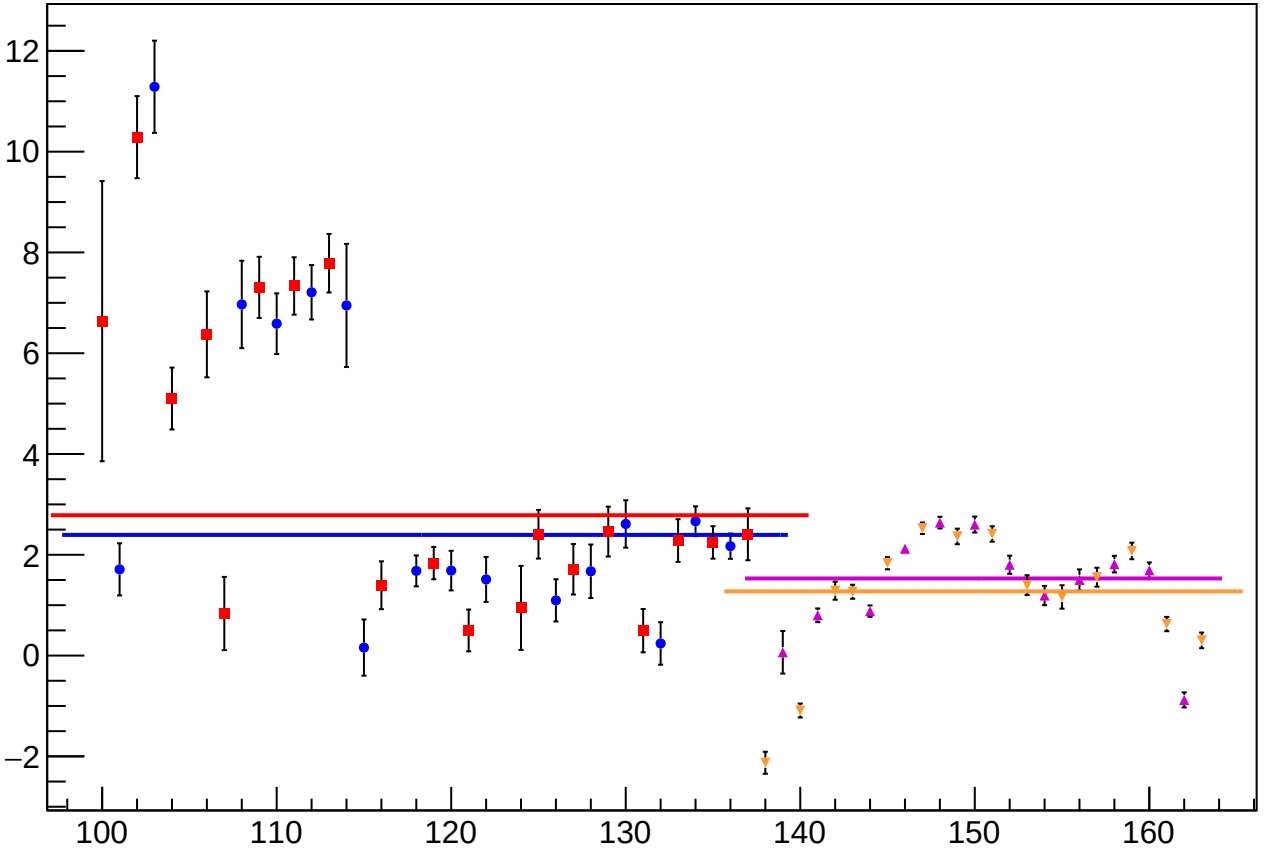
Left In: 5.142+/-0.062 χ^2/NDF:1067.3/11

\+ sign 4.792+/-0.052 χ^2/NDF: 3126.6/29

All: 4.562+/-0.037 χ^2/NDF: 5637.7/60

\- sign 4.318+/-0.053 χ^2/NDF: 2470.6/30

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: 1.274+/-0.041 χ^2/NDF:869.0/13

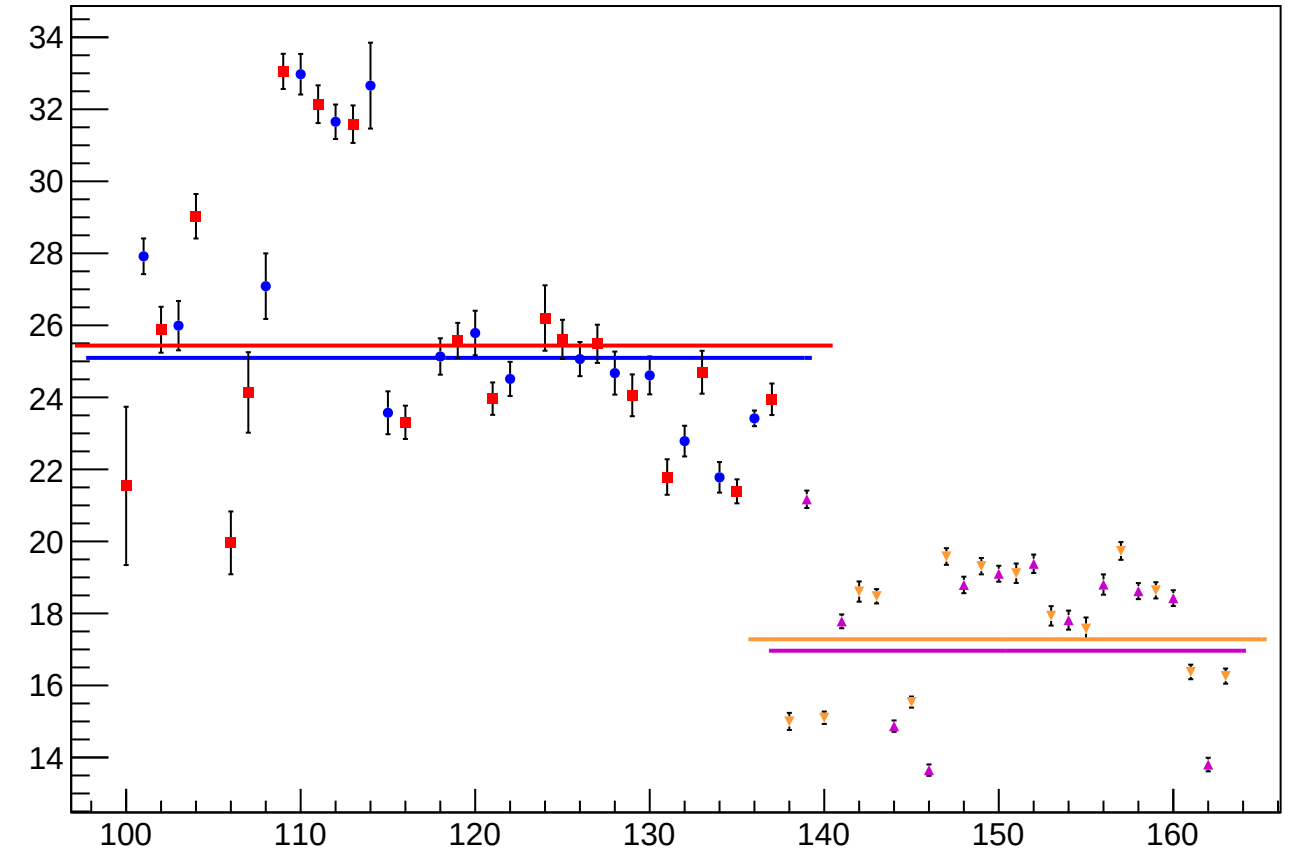
Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.530+/-0.042 χ^2/NDF:519.9/11

+ sign 1.416+/-0.039 χ^2/NDF: 1296.3/29

All: 1.543+/-0.028 χ^2/NDF: 2352.8/60

- sign 1.675+/-0.039 χ^2/NDF: 1034.4/30



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.282+/-0.059 χ^2/NDF:850.9/13

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

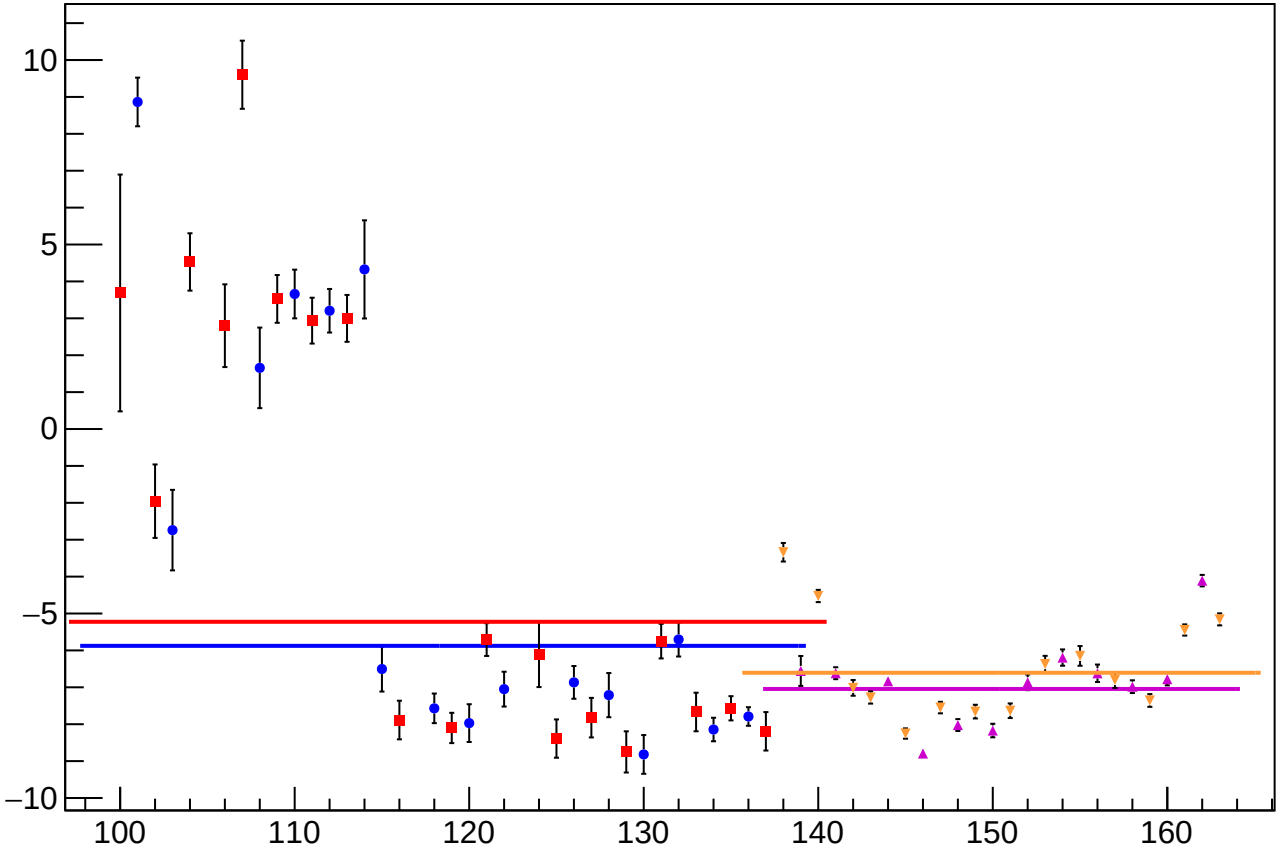
Left In: 16.964+/-0.060 χ^2/NDF:1621.8/11

\+ sign 18.838+/-0.052 χ^2/NDF: 5013.8/29

All: 18.713+/-0.038 χ^2/NDF: 11302.9/60

\- sign 18.581+/-0.054 χ^2/NDF: 6277.4/30

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.048 χ^2/NDF:740.0/13

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

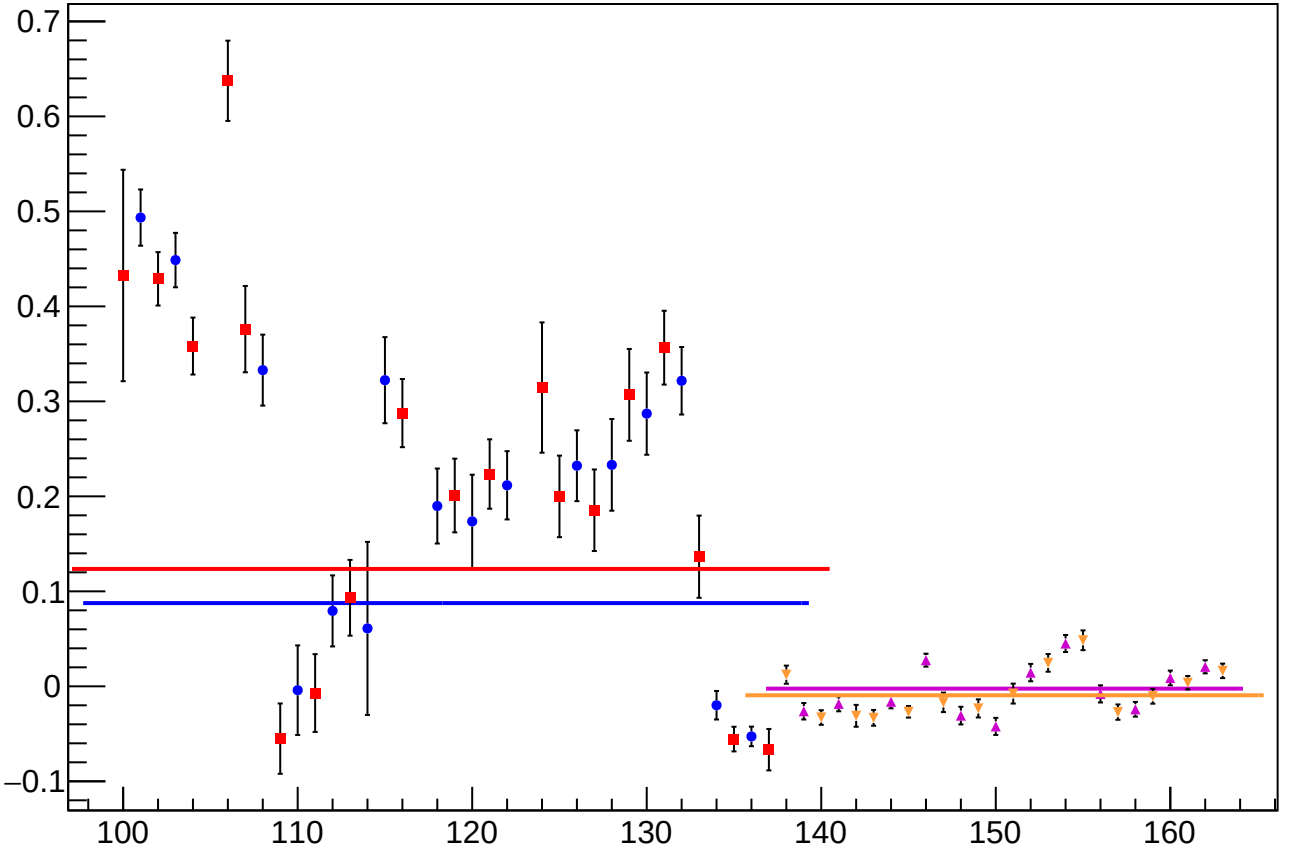
Left In: -7.045+/-0.049 χ^2/NDF:676.1/11

+ sign -6.505+/-0.045 χ^2/NDF: 2022.9/29

All: -6.655+/-0.032 χ^2/NDF: 4186.5/60

- sign -6.813+/-0.046 χ^2/NDF: 2140.6/30

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: -0.009+/-0.002 χ^2/NDF:101.2/13

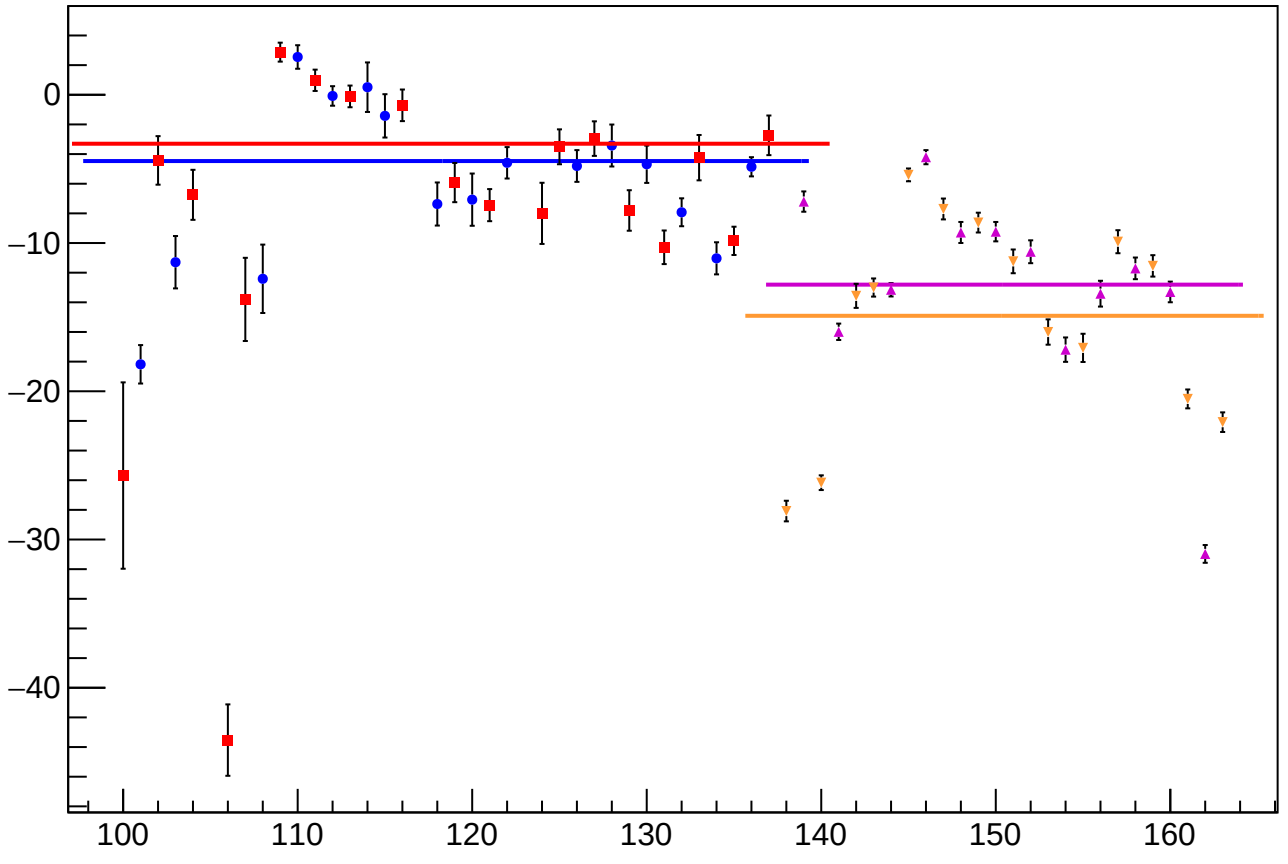
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.002+/-0.002 χ^2/NDF:116.7/11

+ sign 0.001+/-0.002 χ^2/NDF: 1063.1/29

All: 0.005+/-0.002 χ^2/NDF: 2218.1/60

- sign 0.009+/-0.002 χ^2/NDF: 1147.7/30



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.909+/-0.176 χ^2/NDF:1848.3/13

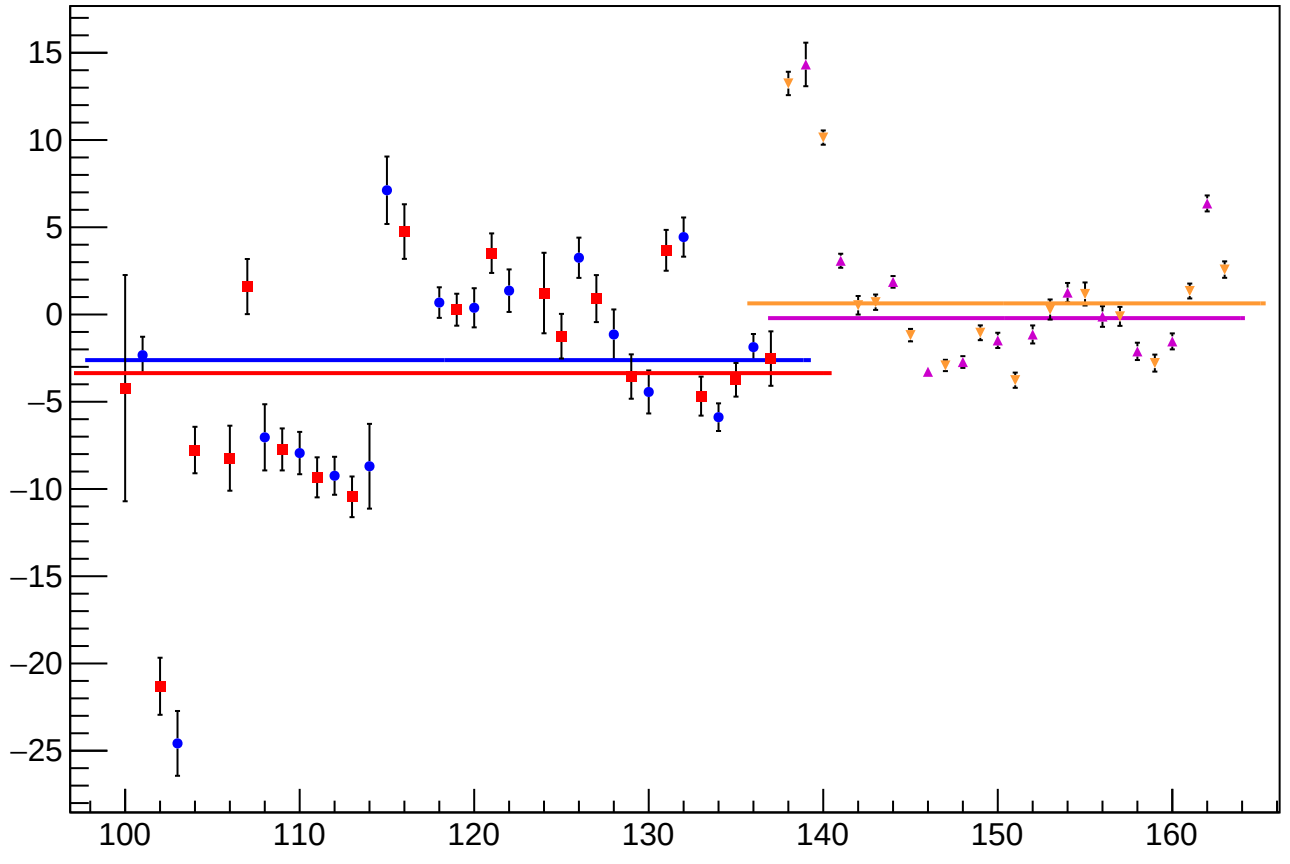
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.808+/-0.182 χ^2/NDF:1439.6/11

+ sign -11.770+/-0.147 χ^2/NDF: 3237.6/29

All: -10.748+/-0.105 χ^2/NDF: 6253.3/60

- sign -9.696+/-0.149 χ^2/NDF: 2917.7/30



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.638+/-0.121 χ^2/NDF:1229.7/13

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

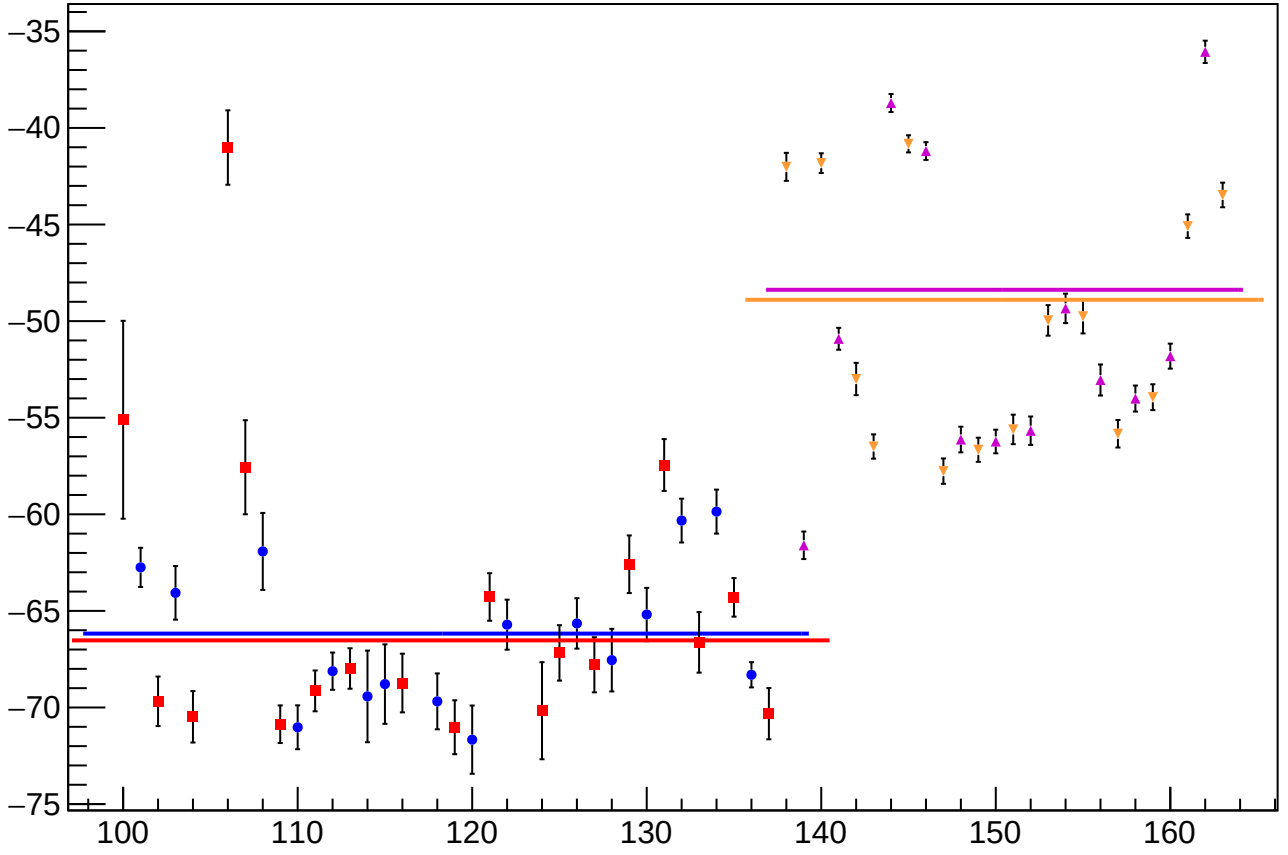
Left In: -0.207+/-0.123 χ^2/NDF:663.3/11

+ sign 0.141+/-0.112 χ^2/NDF: 1691.4/29

All: -0.254+/-0.080 χ^2/NDF: 2835.0/60

- sign -0.666+/-0.114 χ^2/NDF: 1118.0/30

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.896+/-0.173 χ^2/NDF:1461.5/13

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

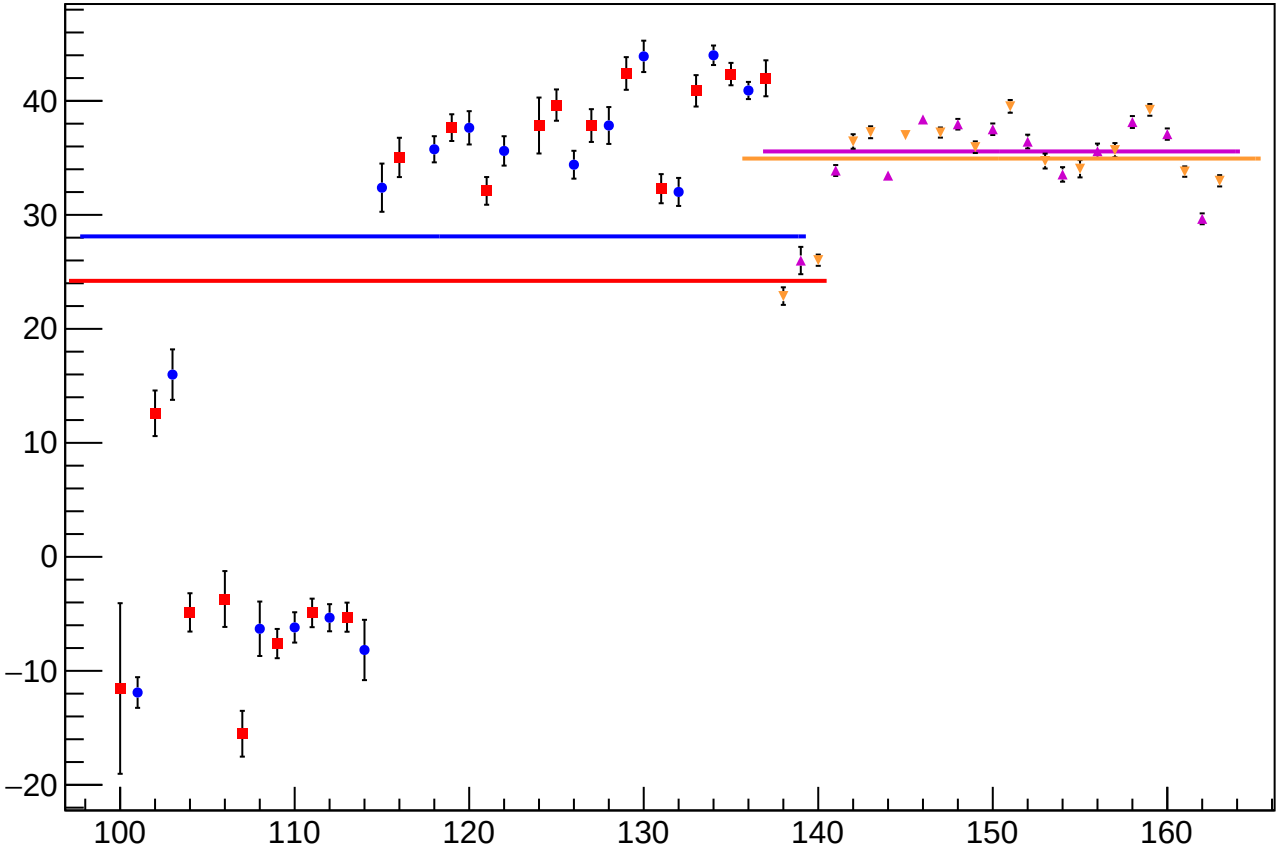
Left In: -48.377+/-0.177 χ^2/NDF:2028.2/11

+ sign -53.099+/-0.150 χ^2/NDF: 4030.5/29

All: -52.938+/-0.107 χ^2/NDF: 8940.1/60

- sign -52.768+/-0.154 χ^2/NDF: 4907.2/30

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.940+/-0.142 χ^2/NDF:813.7/13

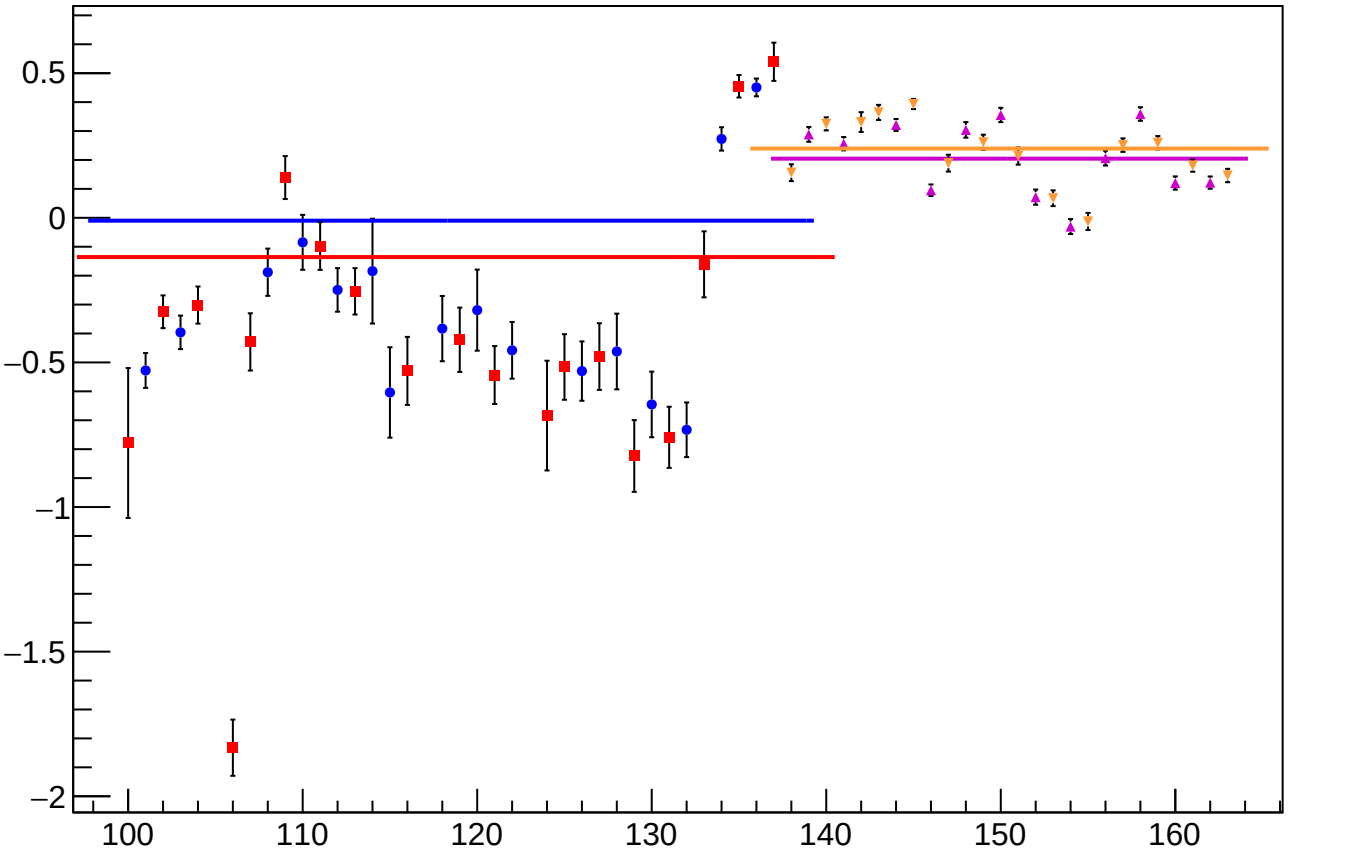
Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.565+/-0.145 χ^2/NDF:408.5/11

+ sign 33.812+/-0.130 χ^2/NDF: 4921.6/29

All: 33.795+/-0.093 χ^2/NDF: 10135.9/60

- sign 33.776+/-0.133 χ^2/NDF: 5214.3/30



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.239+/-0.007 χ^2/NDF:270.6/13

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

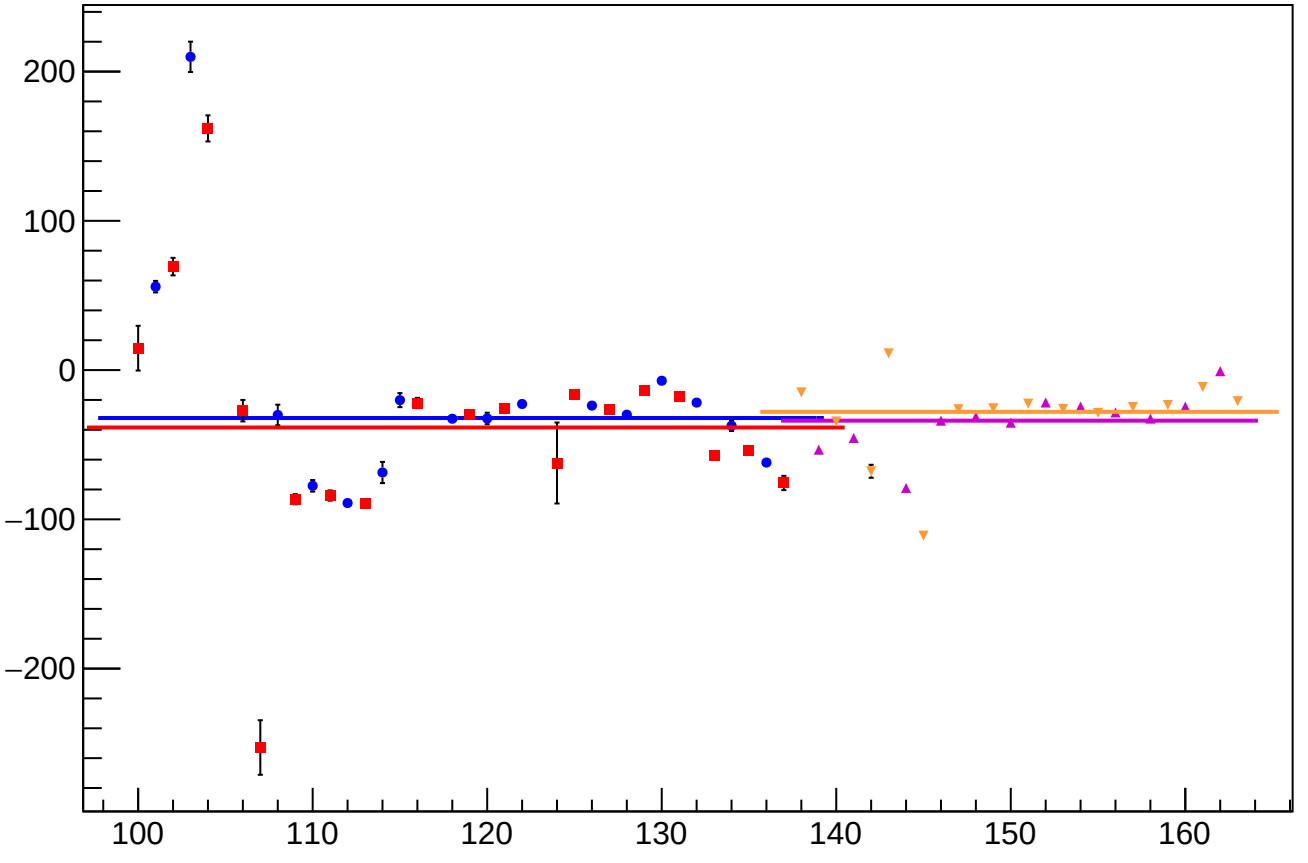
Left In: 0.205+/-0.007 χ^2/NDF:308.4/11

+ sign 0.207+/-0.006 χ^2/NDF: 1038.6/29

All: 0.187+/-0.004 χ^2/NDF: 2476.9/60

- sign 0.165+/-0.006 χ^2/NDF: 1415.9/30

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.975+/-0.781 χ^2/NDF:978.8/13

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

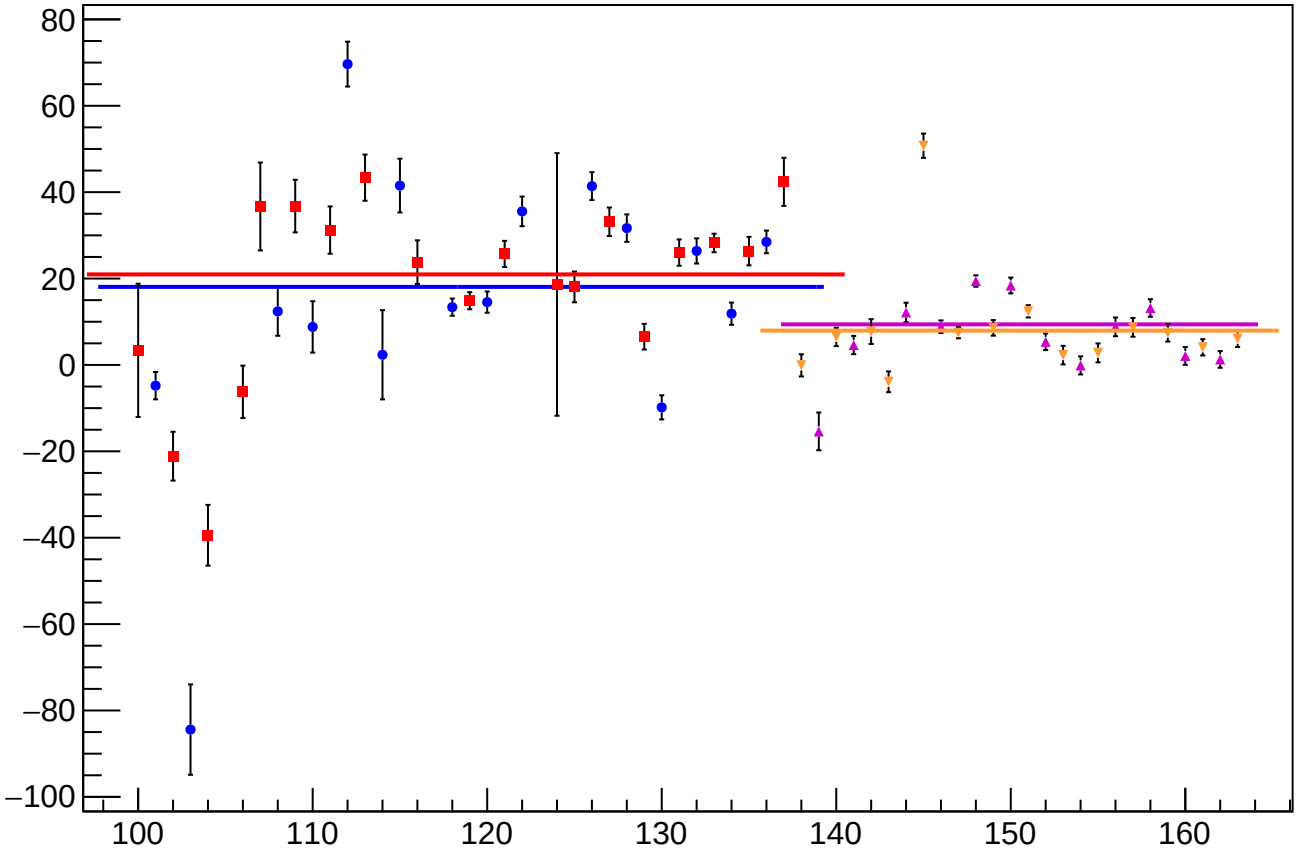
Left In: -33.888+/-0.813 χ^2/NDF:517.0/11

+ sign -29.890+/-0.573 χ^2/NDF: 2869.2/29

All: -32.861+/-0.412 χ^2/NDF: 5429.2/60

- sign -36.035+/-0.592 χ^2/NDF: 2504.3/30

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.947+/-0.525 χ^2/NDF:293.5/13

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

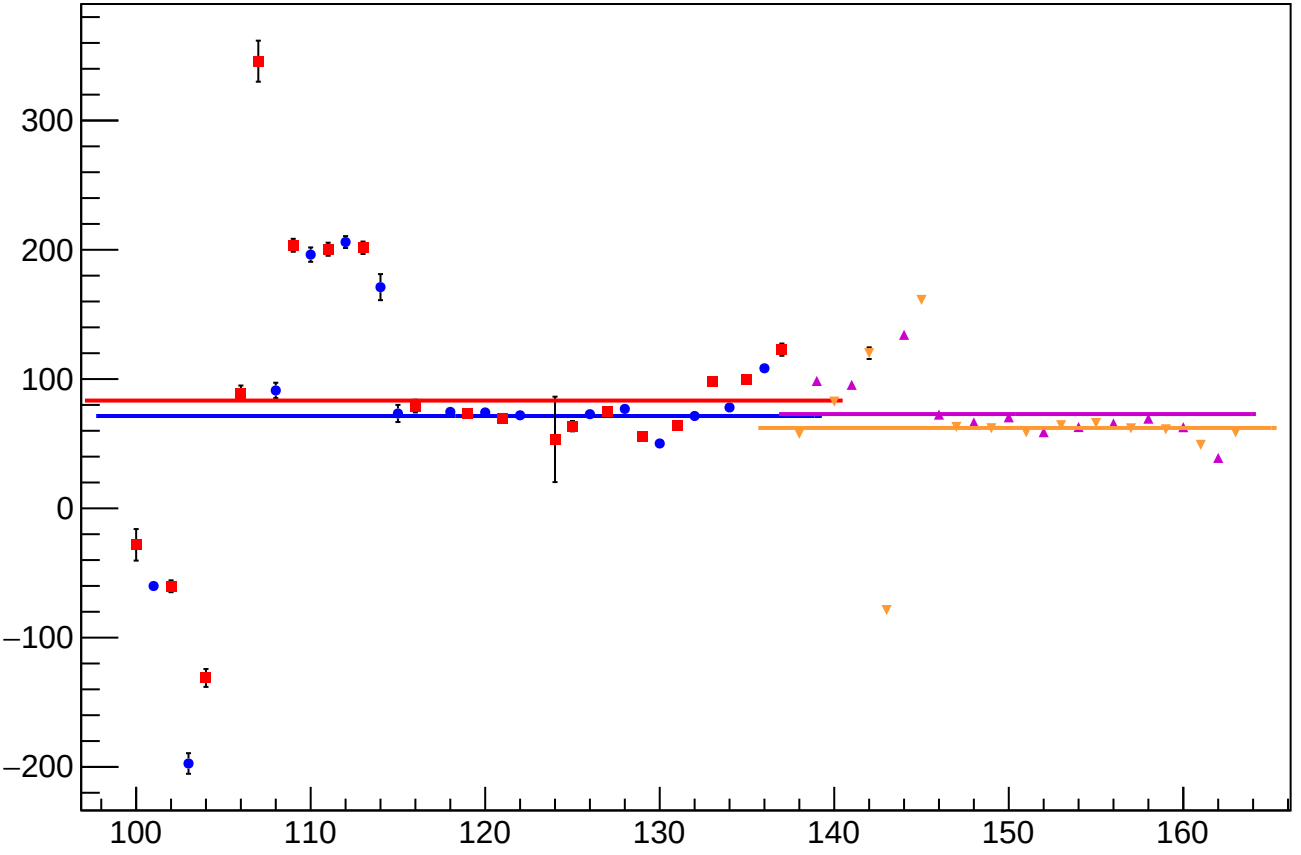
Left In: 9.394+/-0.553 χ^2/NDF:179.4/11

+ sign 10.877+/-0.443 χ^2/NDF: 900.6/29

All: 11.754+/-0.321 χ^2/NDF: 1477.1/60

- sign 12.727+/-0.466 χ^2/NDF: 568.2/30

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 62.198+/-0.756 χ^2/NDF:2908.1/13

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

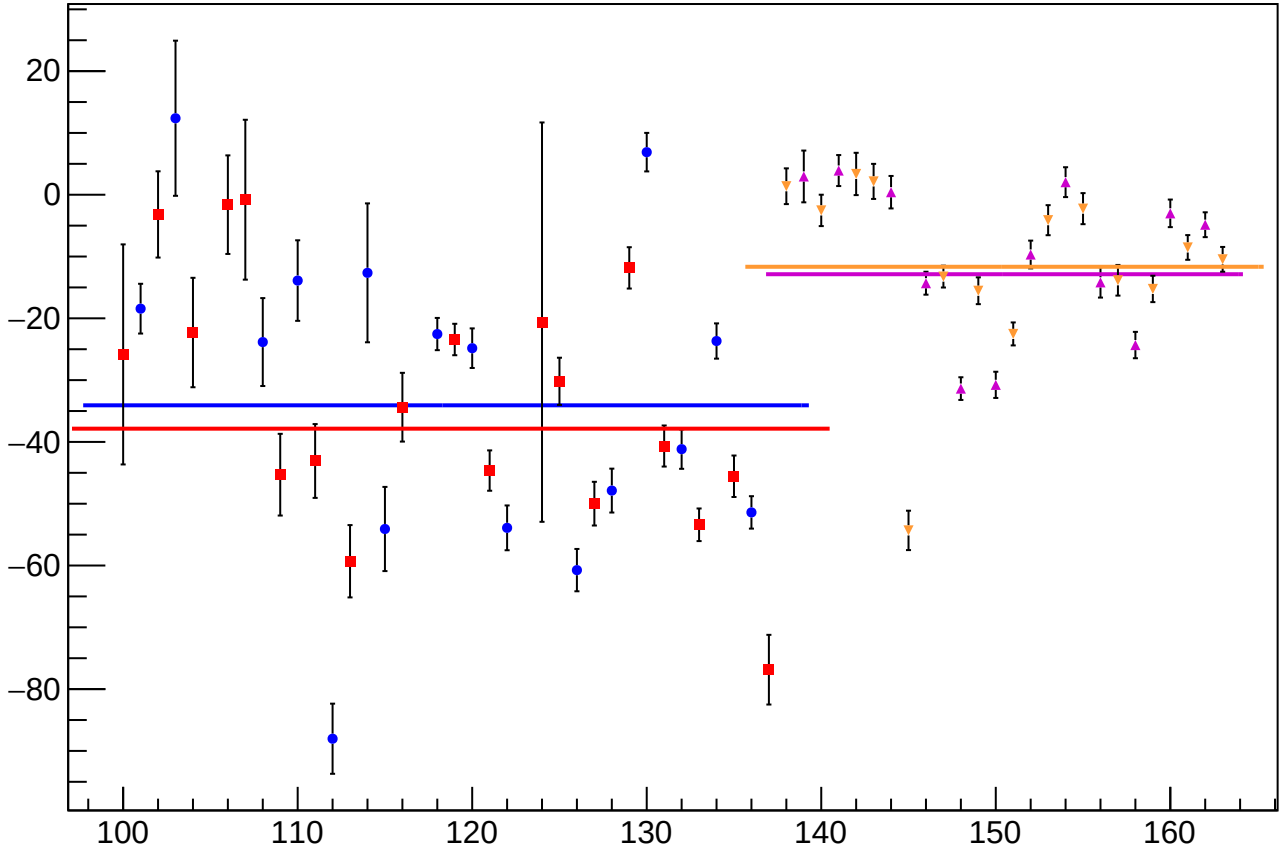
Left In: 72.933+/-0.783 χ^2/NDF:808.8/11

+ sign 65.863+/-0.587 χ^2/NDF: 7786.8/29

All: 71.181+/-0.424 χ^2/NDF: 13133.5/60

- sign 76.977+/-0.613 χ^2/NDF: 5175.2/30

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.658+/-0.619 χ^2/NDF:323.6/13

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

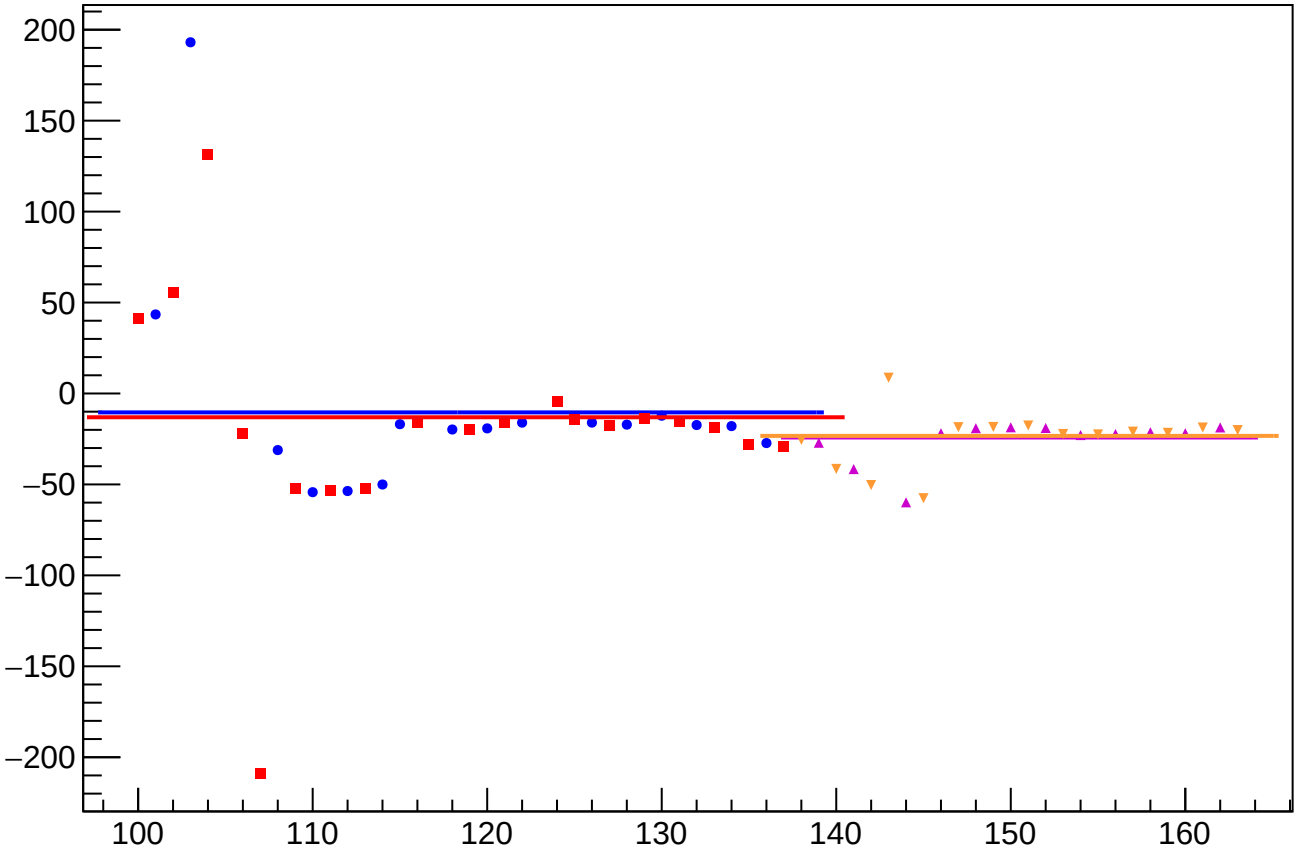
Left In: -12.863+/-0.649 χ^2/NDF:362.6/11

\+ sign -18.409+/-0.517 χ^2/NDF: 1230.4/29

All: -19.326+/-0.375 χ^2/NDF: 2317.4/60

\- sign -20.340+/-0.544 χ^2/NDF: 1080.4/30

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -23.314+/-0.029 χ^2/NDF:181193.0/13

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

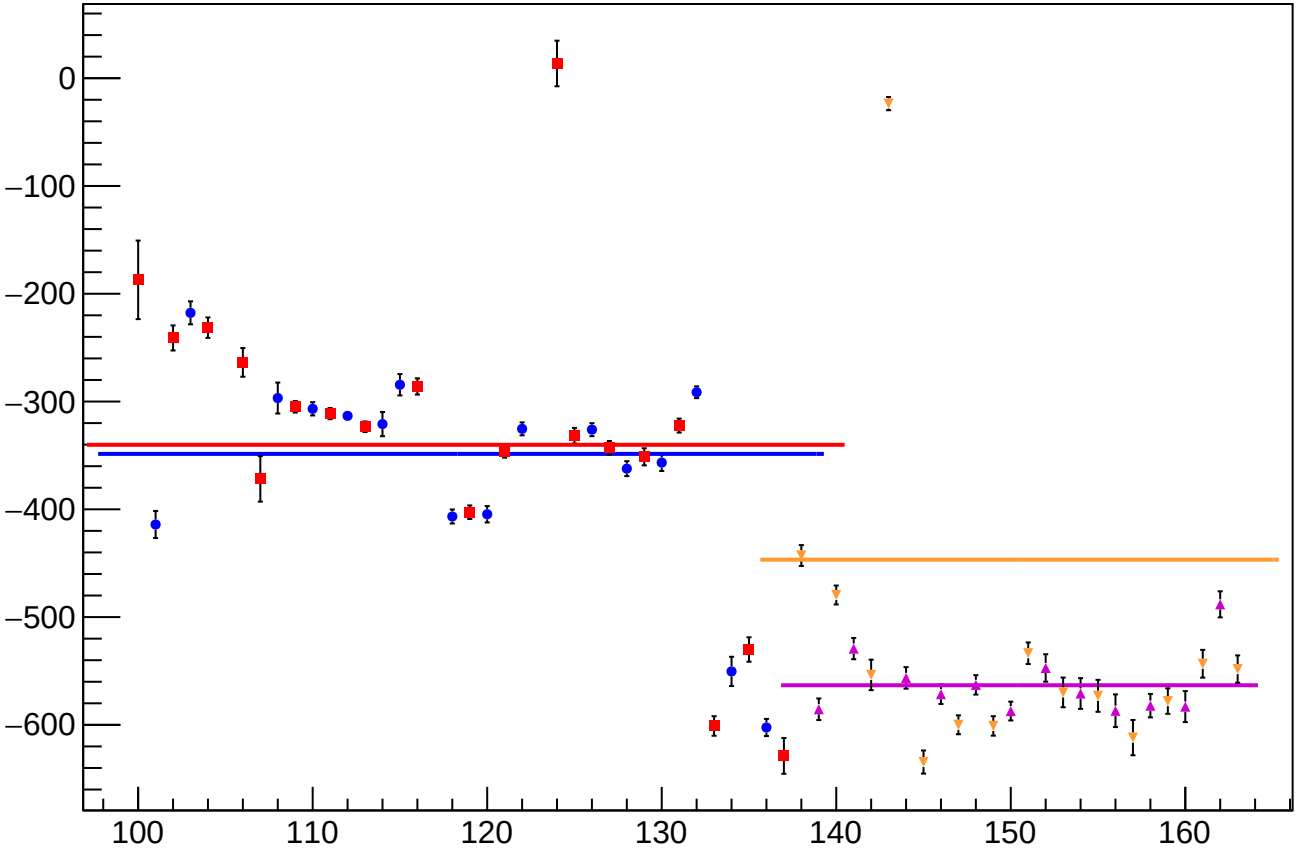
Left In: -24.206+/-0.029 χ^2/NDF:101050.1/11

+ sign -20.712+/-0.026 χ^2/NDF: 744775.4/29

All: -21.435+/-0.018 χ^2/NDF: 1323054.8/60

- sign -22.214+/-0.026 χ^2/NDF: 576610.0/30

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -446.708+/-2.751 χ^2/NDF:6326.2/13

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

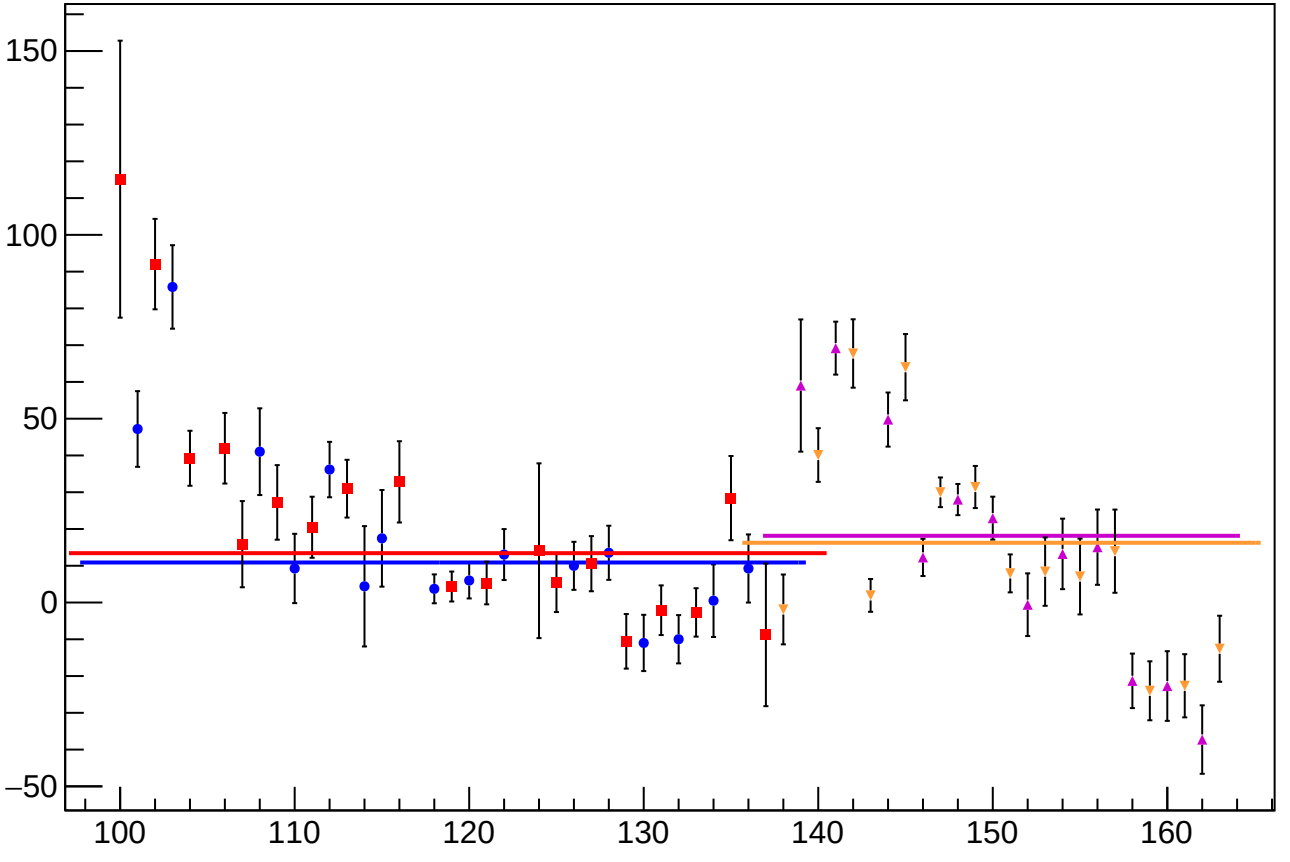
Left In: -563.233+/-3.109 χ^2/NDF:73.4/11

+ sign -378.570+/-1.521 χ^2/NDF: 9068.1/29

All: -386.360+/-1.079 χ^2/NDF: 15291.6/60

- sign -394.259+/-1.531 χ^2/NDF: 6170.6/30

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 16.250+/-1.815 χ^2/NDF:162.1/13

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

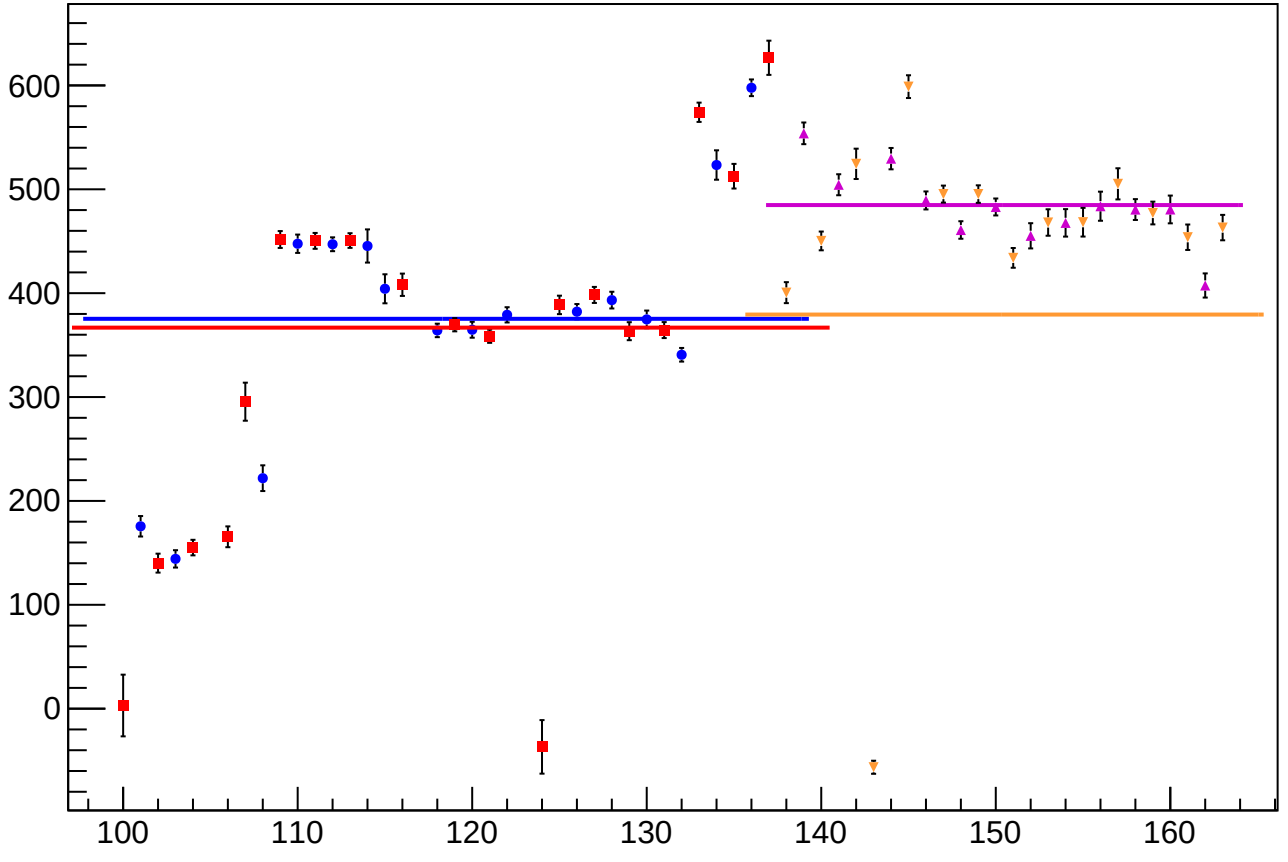
Left In: 18.149+/-2.043 χ^2/NDF:168.8/11

+ sign 13.610+/-1.293 χ^2/NDF: 264.6/29

All: 14.527+/-0.941 χ^2/NDF: 549.8/60

- sign 15.560+/-1.373 χ^2/NDF: 284.2/30

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 379.411+/-2.693 χ^2/NDF:6102.9/13

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

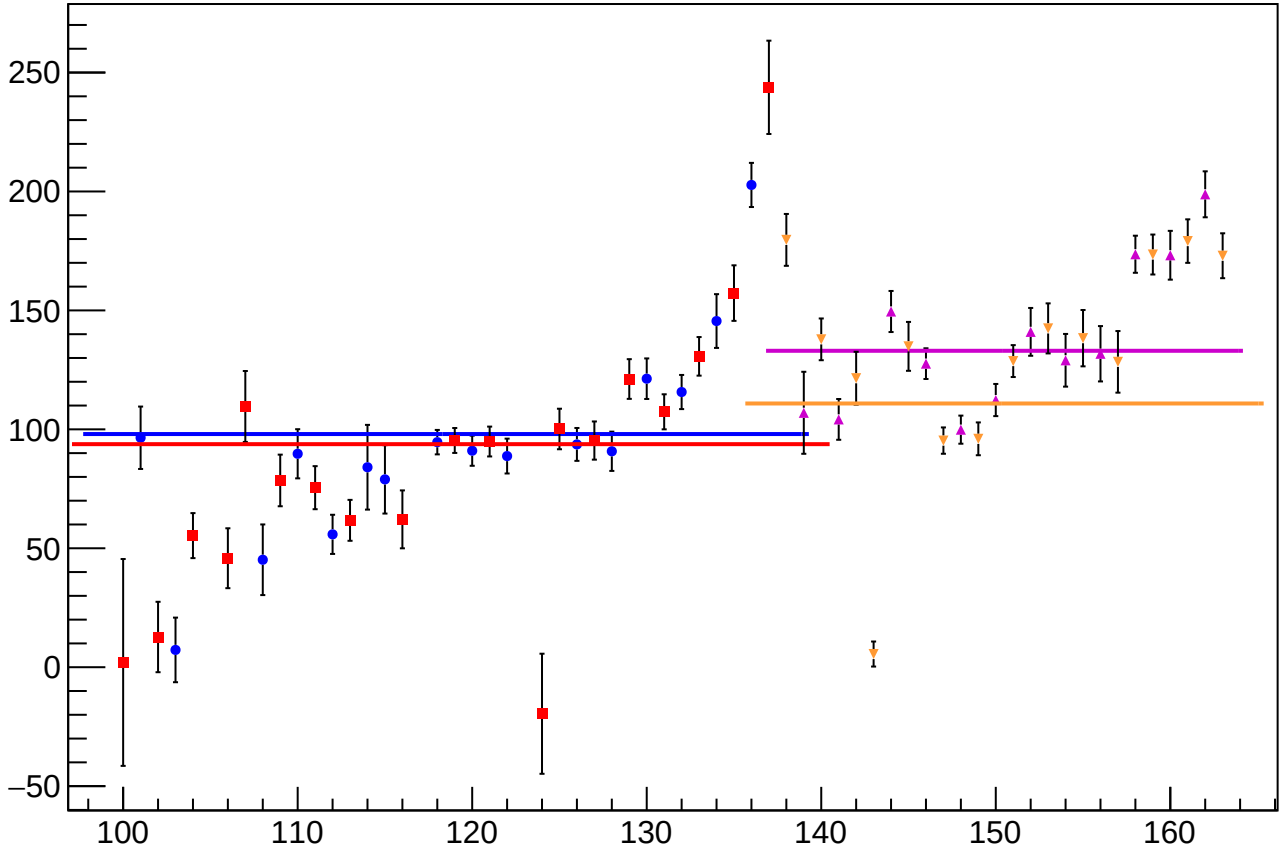
Left In: 484.826+/-2.997 χ^2/NDF:127.1/11

+ sign 376.870+/-1.657 χ^2/NDF: 8553.8/29

All: 390.368+/-1.184 χ^2/NDF: 13413.7/60

- sign 404.431+/-1.692 χ^2/NDF: 4724.5/30

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 110.869+/-2.180 χ^2/NDF:646.6/13

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

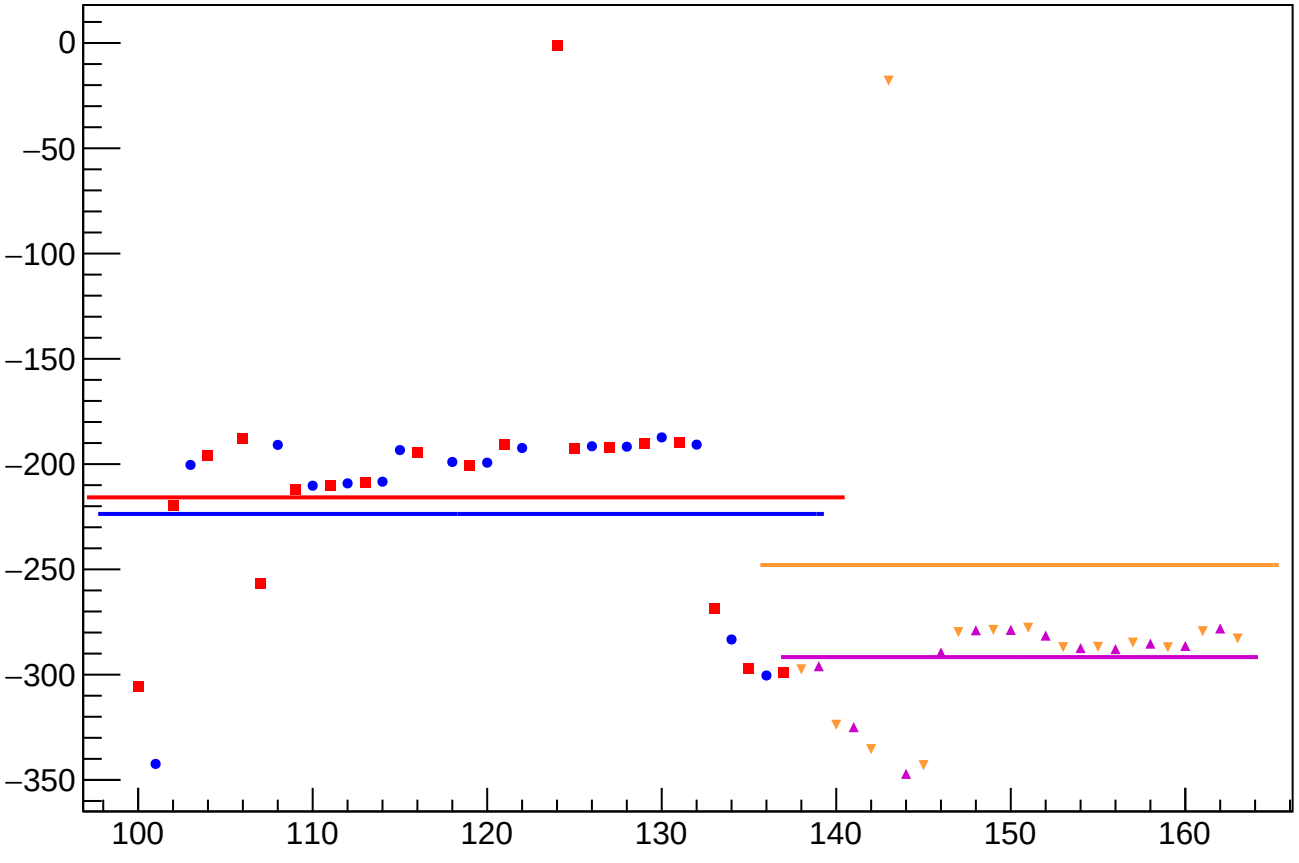
Left In: 133.022+/-2.447 χ^2/NDF:148.4/11

+ sign 104.339+/-1.529 χ^2/NDF: 913.7/29

All: 107.387+/-1.109 χ^2/NDF: 1453.6/60

- sign 110.769+/-1.610 χ^2/NDF: 531.5/30

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.934+/-0.106 χ^2/NDF:958735.1/13

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

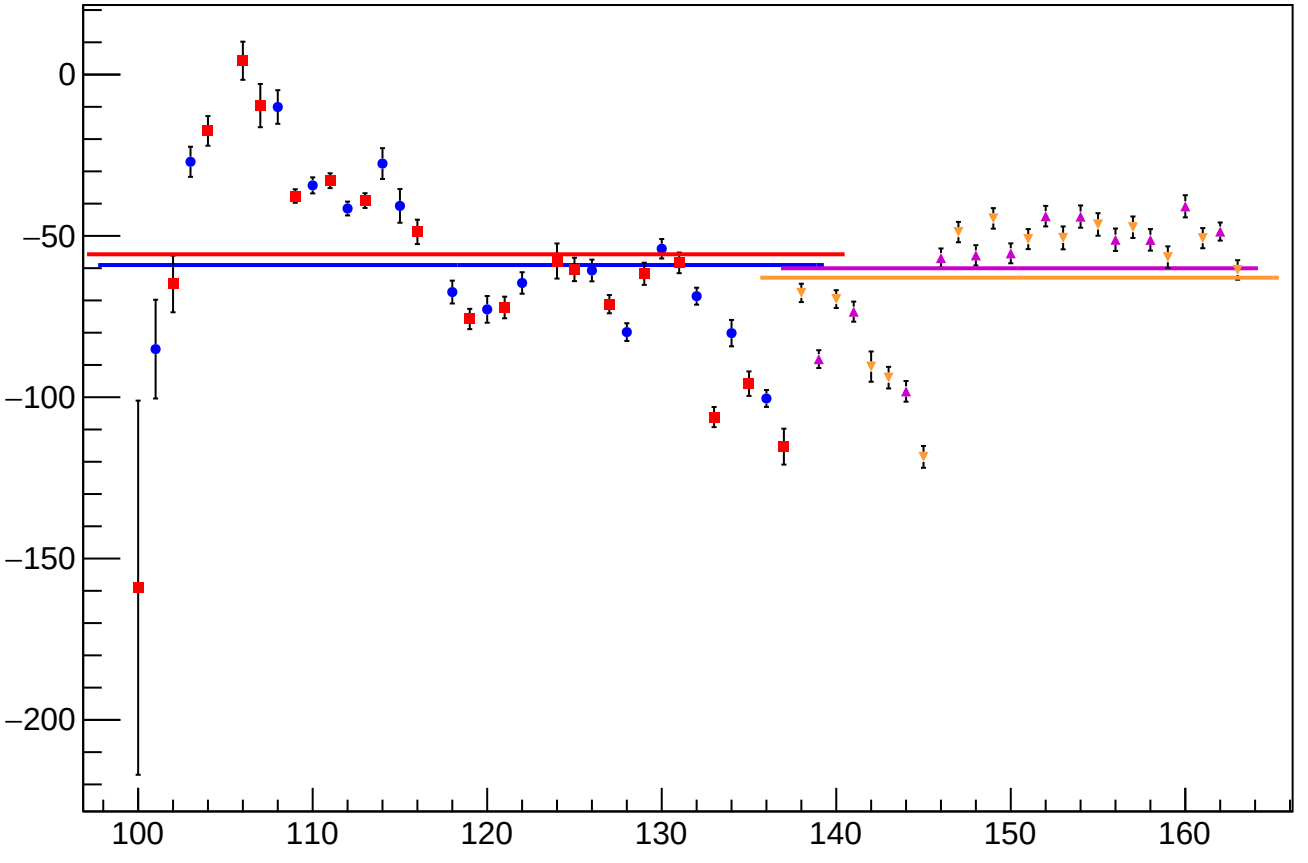
Left In: -291.657+/-0.115 χ^2/NDF:26185.7/11

+ sign -238.955+/-0.084 χ^2/NDF: 1099664.8/29

All: -248.921+/-0.061 χ^2/NDF: 1420916.7/60

- sign -259.642+/-0.087 χ^2/NDF: 292114.2/30

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.958+/-0.867 χ^2/NDF:541.5/13

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

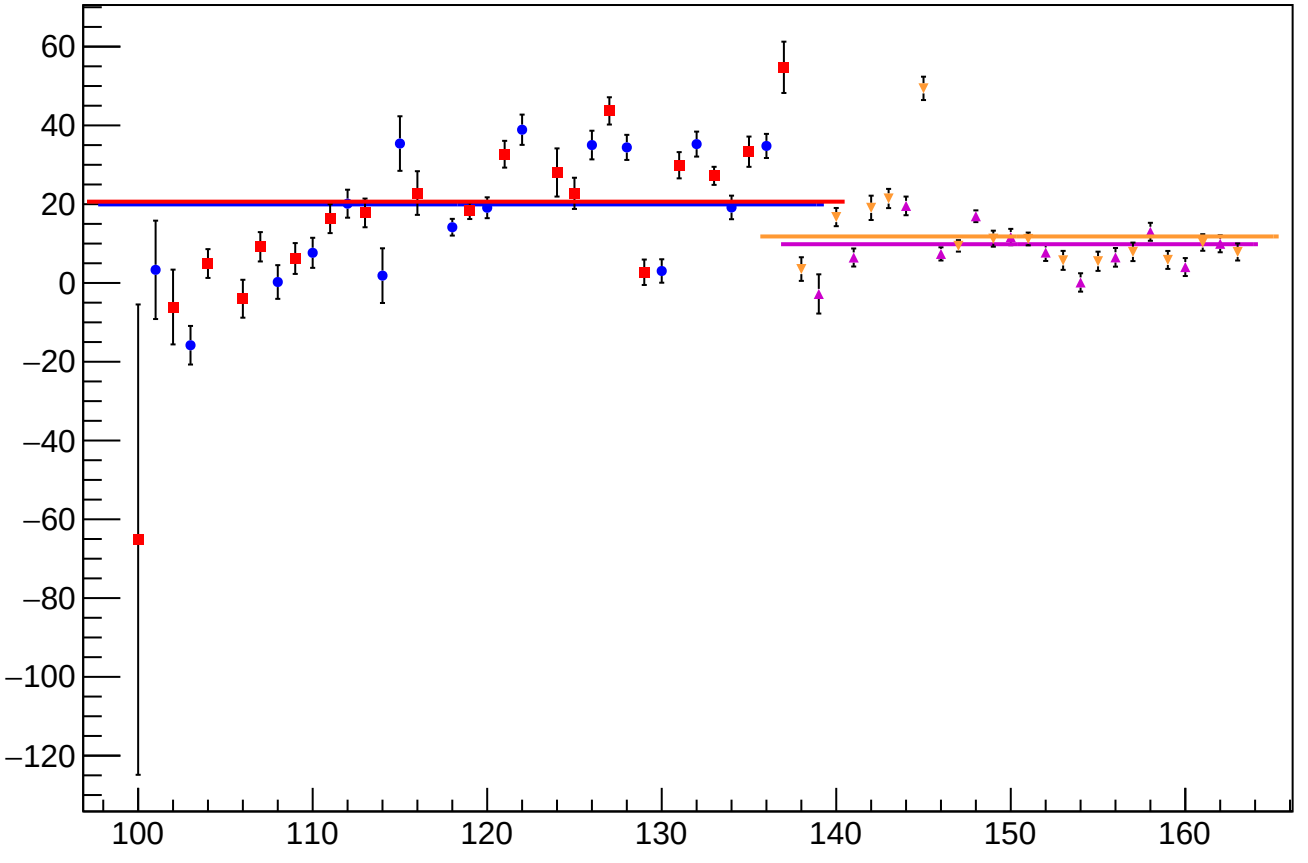
Left In: -60.032+/-0.906 χ^2/NDF:377.7/11

+ sign -60.908+/-0.599 χ^2/NDF: 1279.5/29

All: -59.229+/-0.422 χ^2/NDF: 2727.0/60

- sign -57.572+/-0.595 χ^2/NDF: 1431.8/30

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.807+/-0.584 χ^2/NDF:223.5/13

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

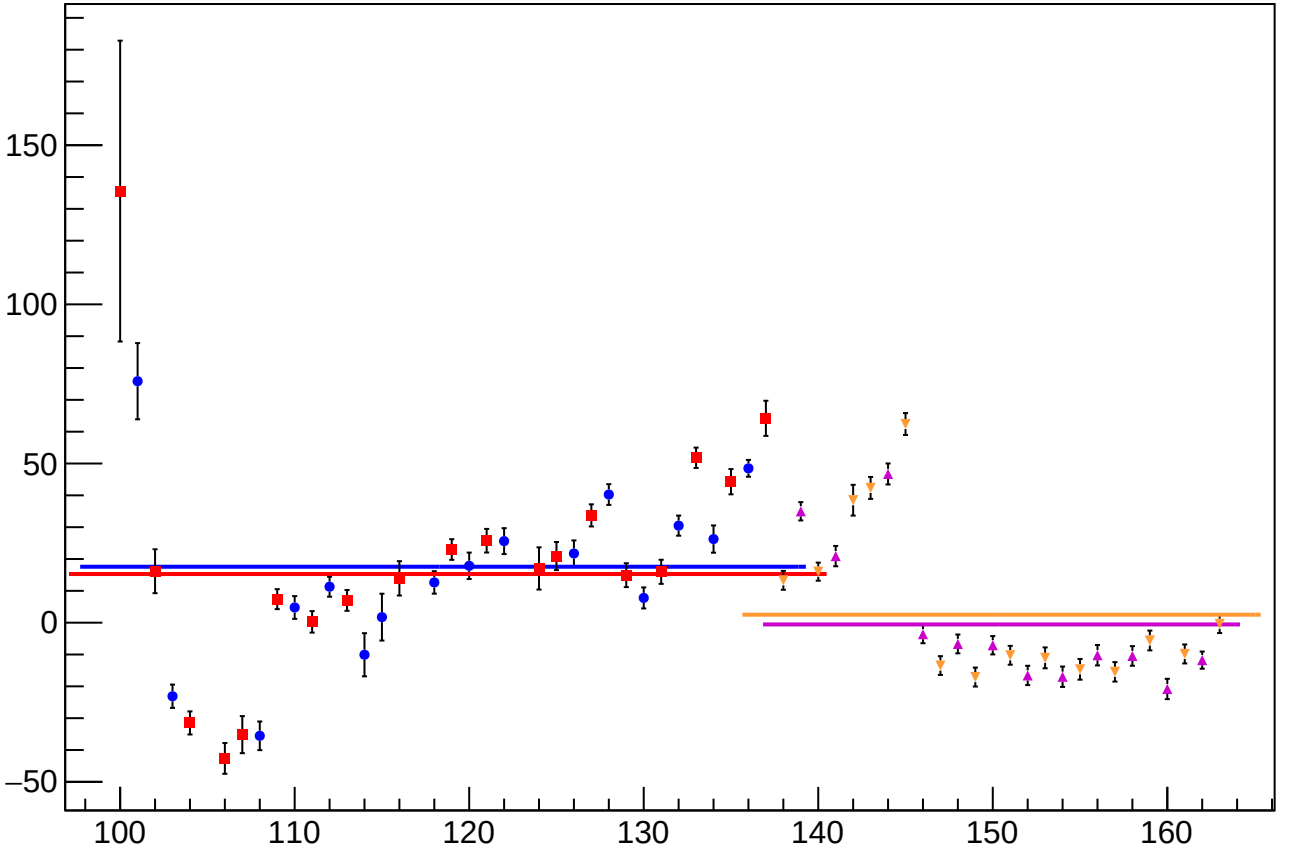
Left In: 9.838+/-0.617 χ^2/NDF:79.7/11

+ sign 14.345+/-0.484 χ^2/NDF: 531.3/29

All: 13.985+/-0.347 χ^2/NDF: 943.7/60

- sign 13.604+/-0.498 χ^2/NDF: 411.3/30

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.506+/-0.839 χ^2/NDF:724.5/13

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

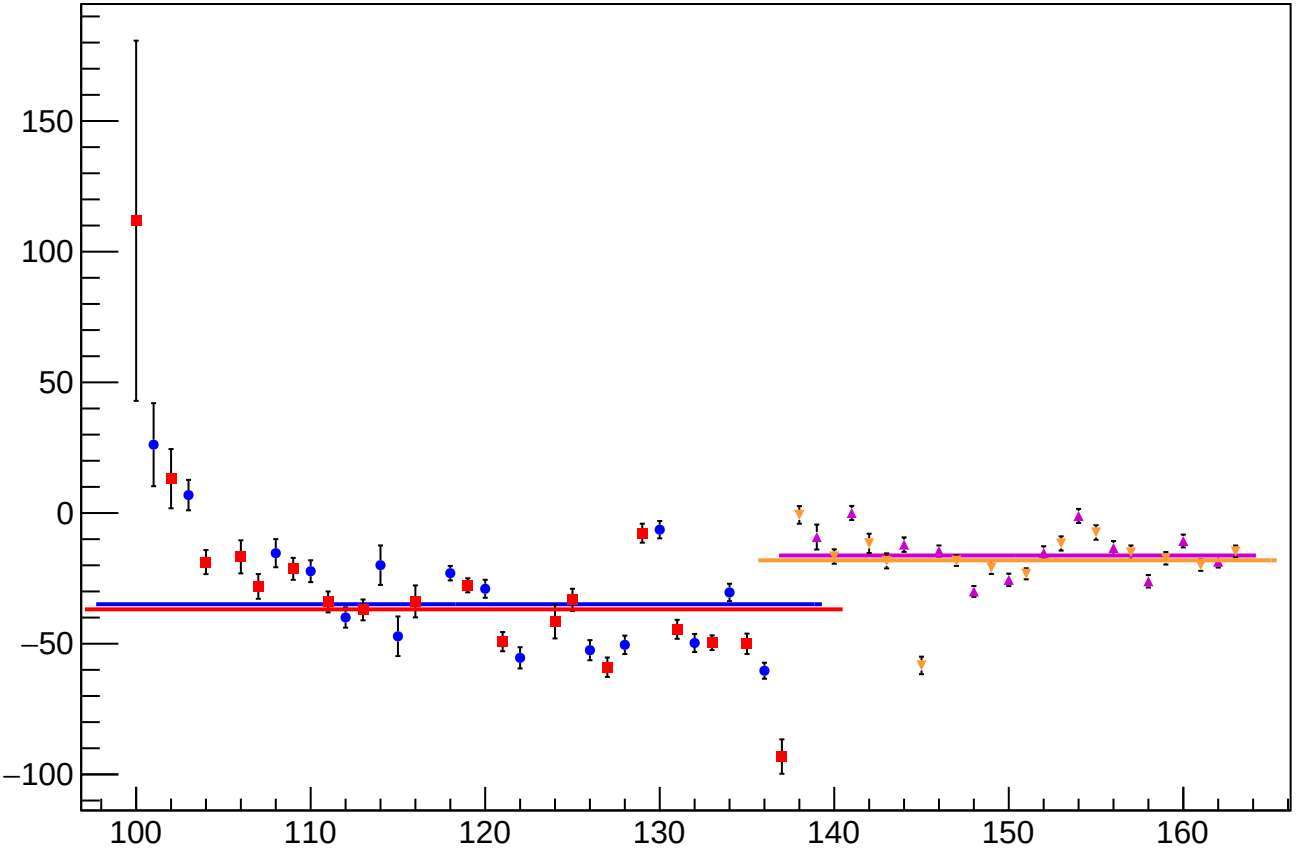
Left In: -0.549+/-0.872 χ^2/NDF:544.8/11

+ sign 9.060+/-0.631 χ^2/NDF: 1410.8/29

All: 7.955+/-0.448 χ^2/NDF: 2845.4/60

- sign 6.827+/-0.637 χ^2/NDF: 1428.4/30

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.084+/-0.687 χ^2/NDF:205.2/13

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

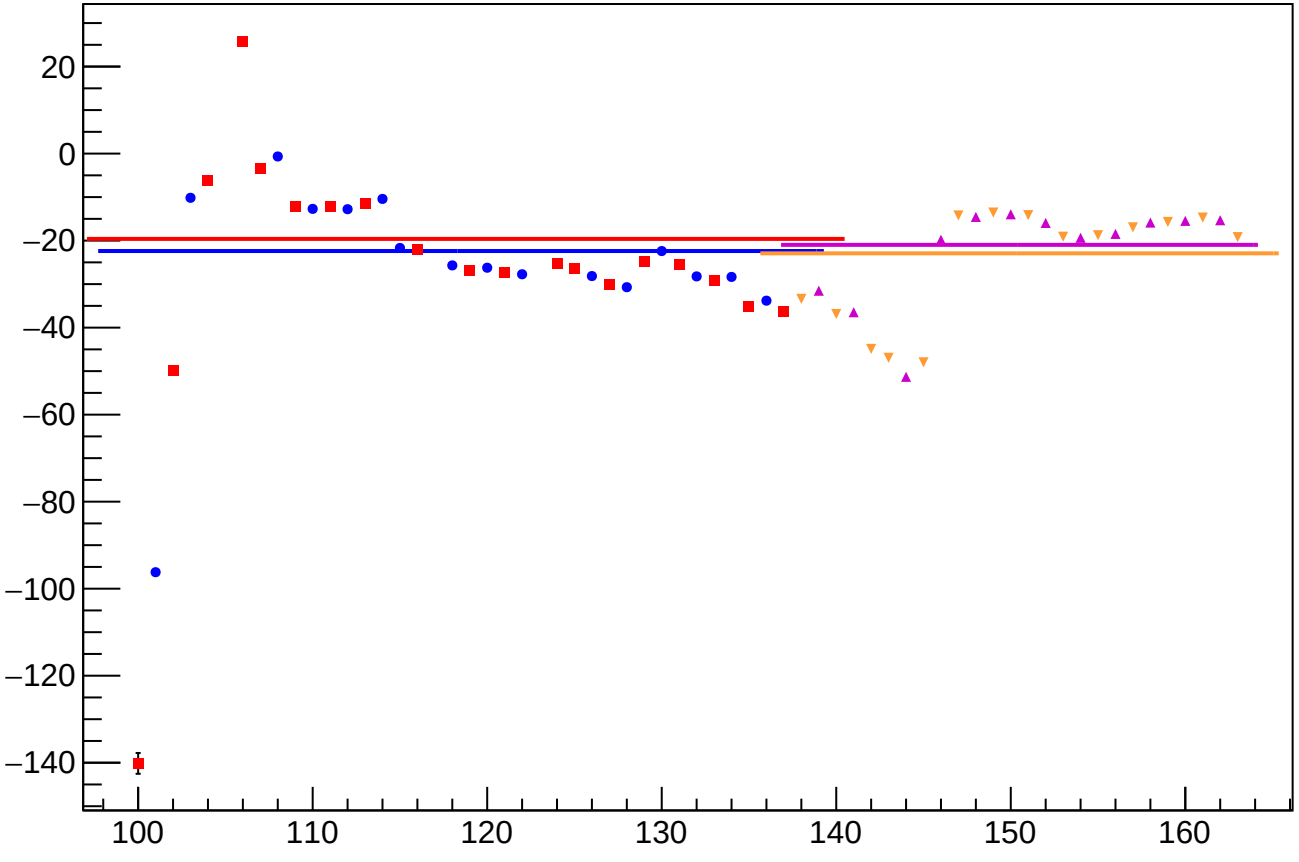
Left In: -16.251+/-0.724 χ^2/NDF:156.2/11

+ sign -23.551+/-0.565 χ^2/NDF: 746.4/29

All: -23.589+/-0.405 χ^2/NDF: 1494.0/60

- sign -23.629+/-0.580 χ^2/NDF: 747.5/30

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.928+/-0.032 χ^2/NDF:129060.7/13

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

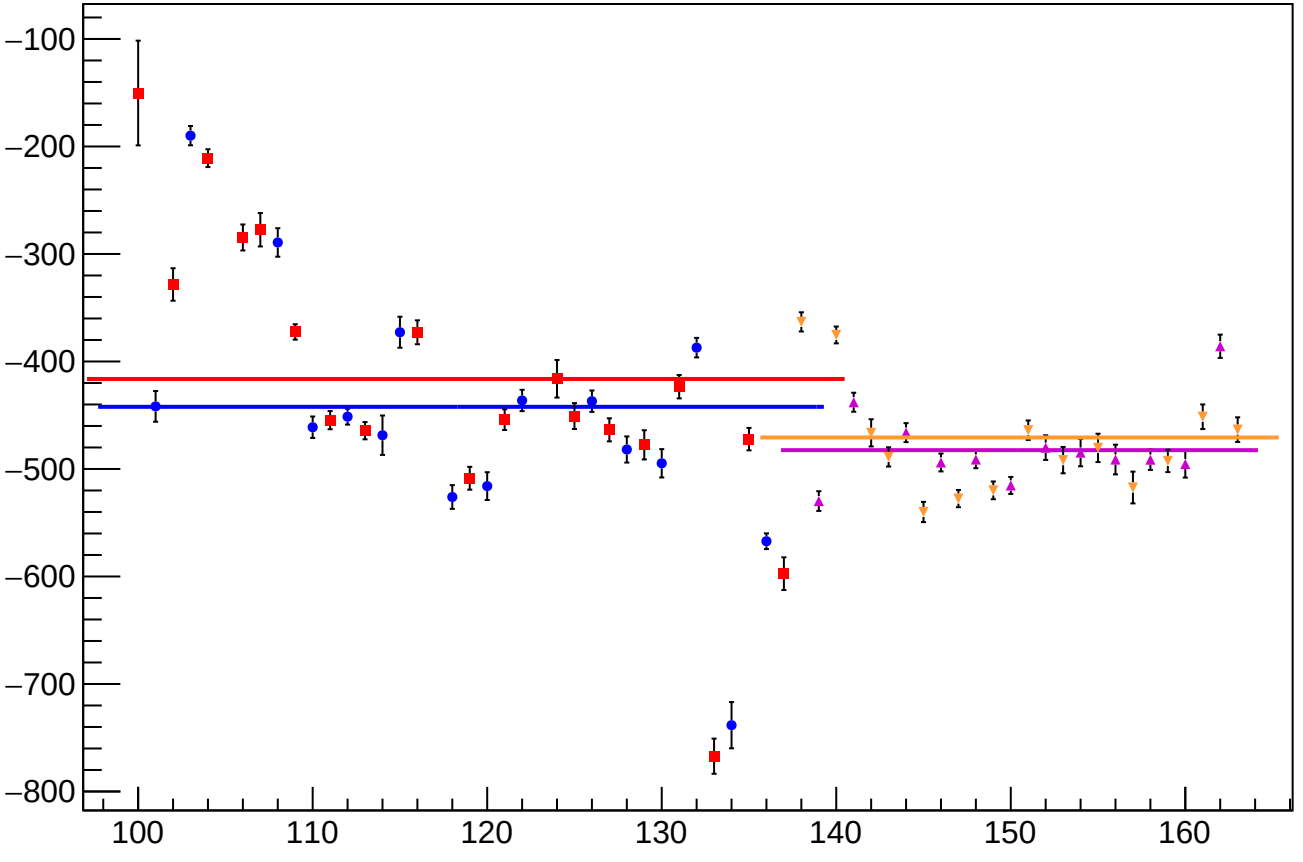
Left In: -20.977+/-0.033 χ^2/NDF:84356.7/11

+ sign -22.806+/-0.028 χ^2/NDF: 175645.3/29

All: -21.761+/-0.020 χ^2/NDF: 347171.5/60

- sign -20.660+/-0.029 χ^2/NDF: 168631.8/30

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -470.708+/-2.647 χ^2/NDF:459.2/13

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

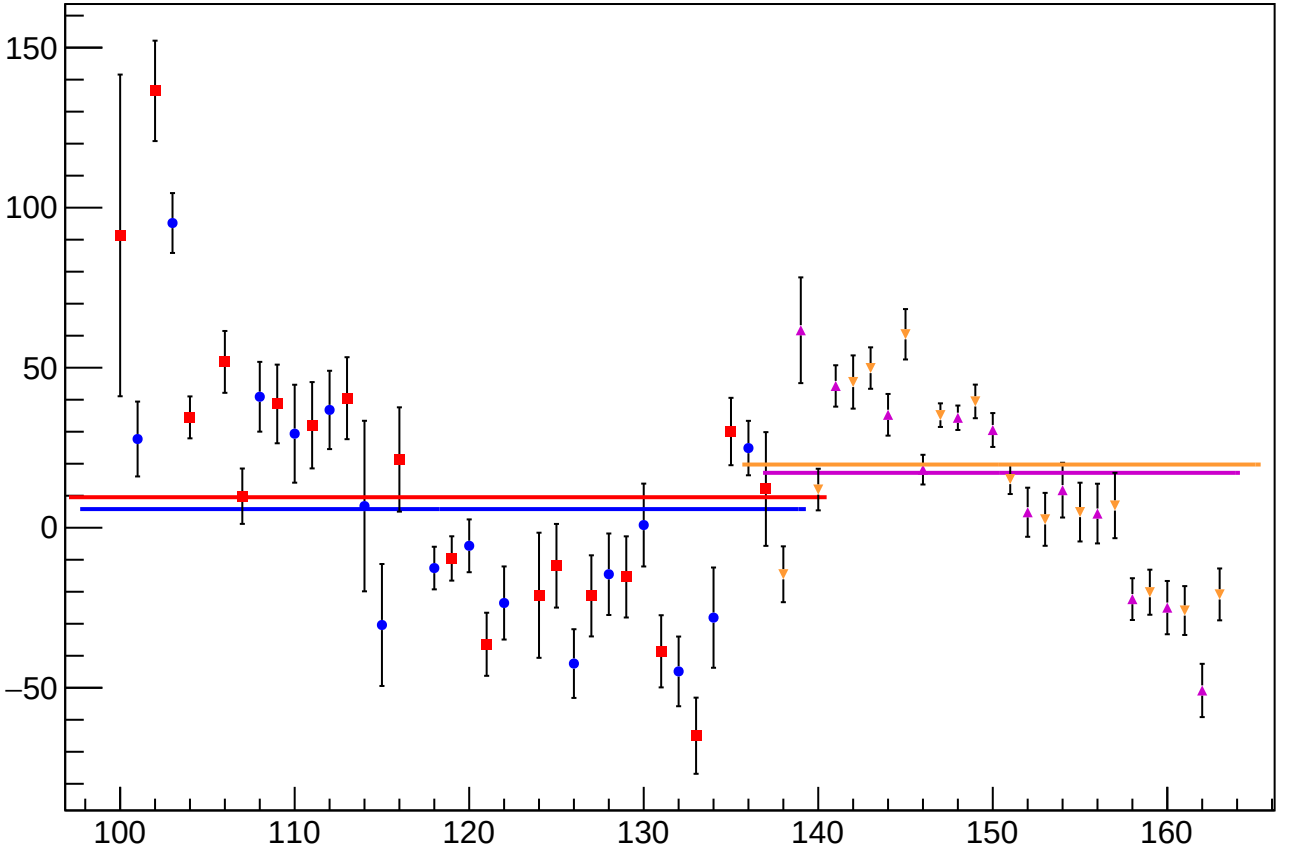
Left In: -482.497+/-2.796 χ^2/NDF:157.9/11

+ sign -456.631+/-1.884 χ^2/NDF: 2105.6/29

All: -451.273+/-1.328 χ^2/NDF: 4342.7/60

- sign -445.975+/-1.873 χ^2/NDF: 2221.1/30

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 19.745+/-1.727 χ^2/NDF:208.8/13

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

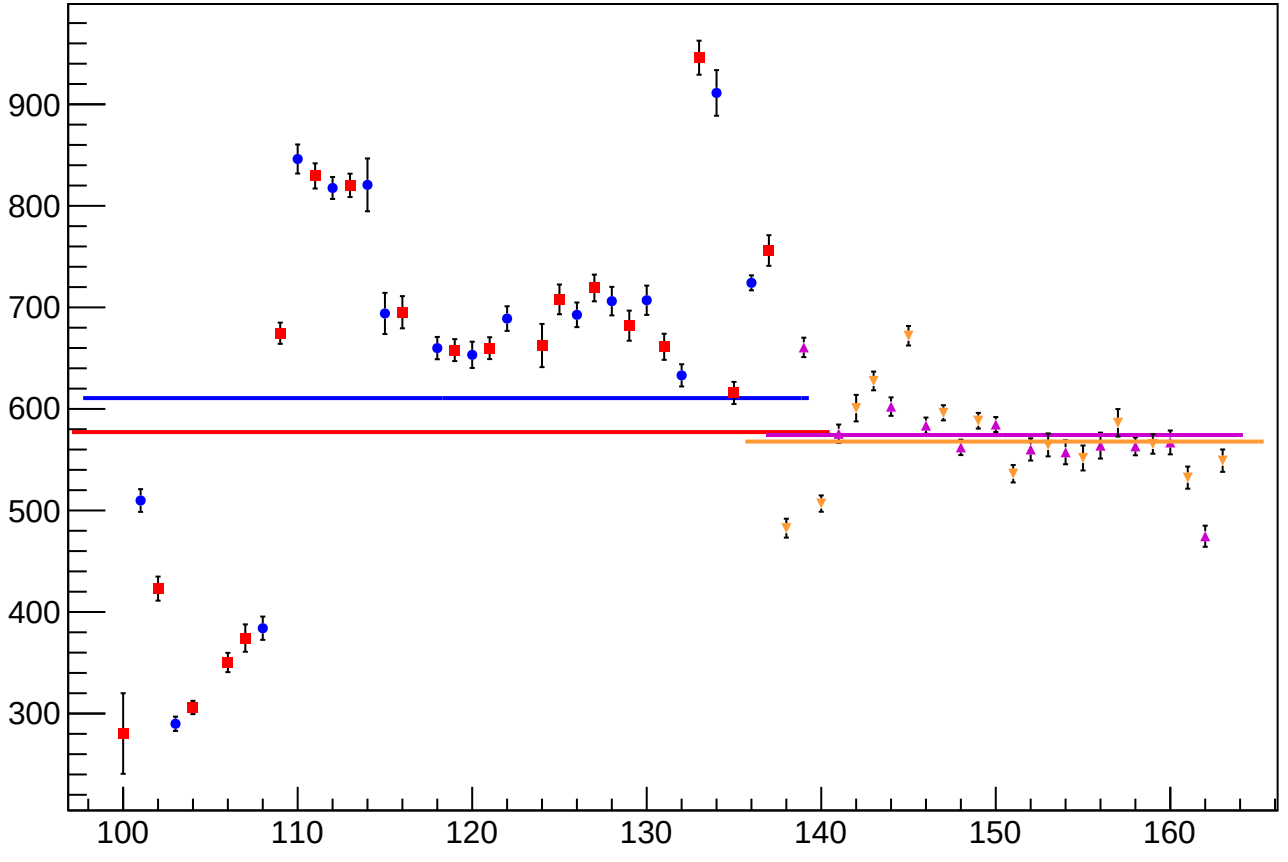
Left In: 17.152+/-1.837 χ^2/NDF:193.2/11

+ sign 15.763+/-1.459 χ^2/NDF: 415.5/29

All: 15.174+/-1.043 χ^2/NDF: 837.0/60

- sign 14.559+/-1.492 χ^2/NDF: 421.2/30

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 567.858+/-2.574 χ^2/NDF:359.0/13

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

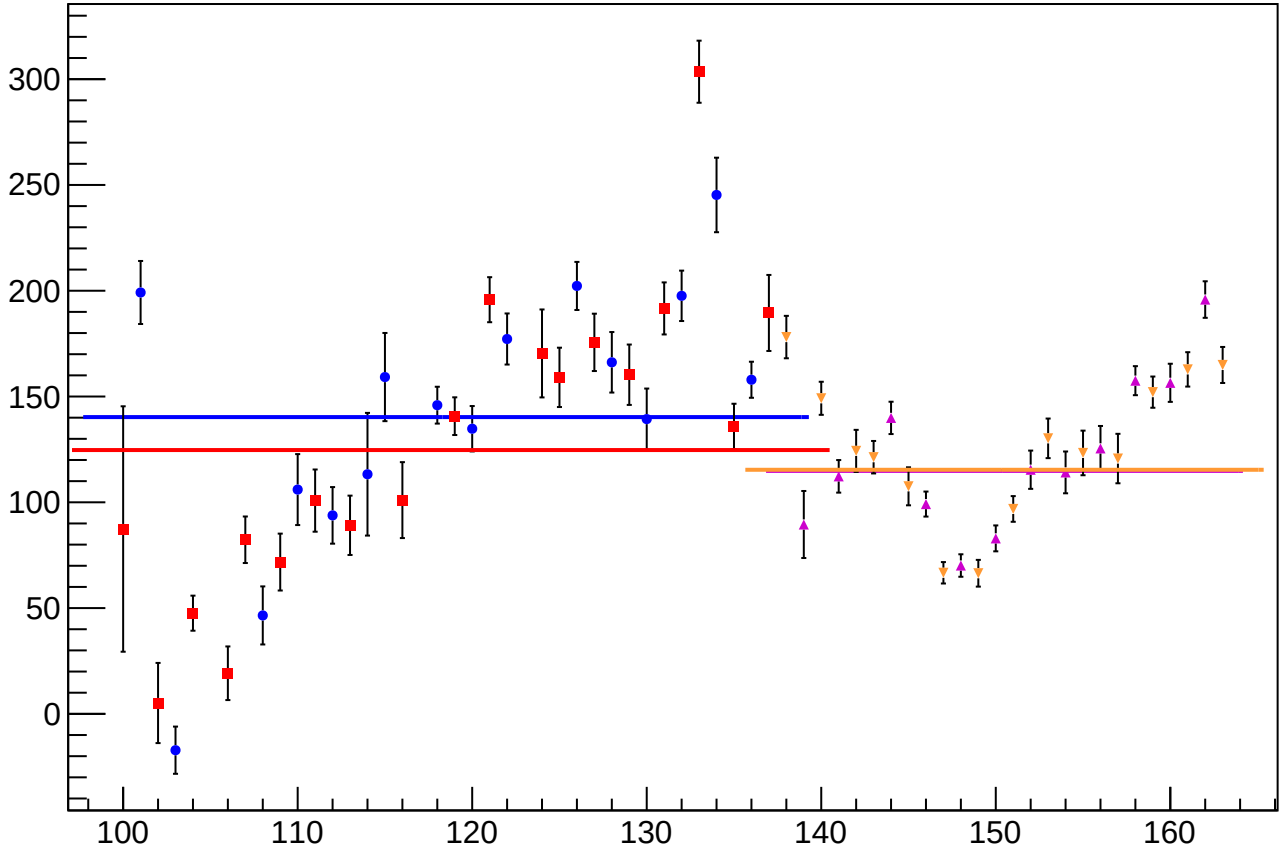
Left In: 574.304+/-2.695 χ^2/NDF:195.1/11

\+ sign 586.781+/-1.923 χ^2/NDF: 4373.8/29

All: 581.262+/-1.361 χ^2/NDF: 9386.3/60

\- sign 575.723+/-1.926 χ^2/NDF: 4996.0/30

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 115.372+/-2.076 χ^2/NDF:317.6/13

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

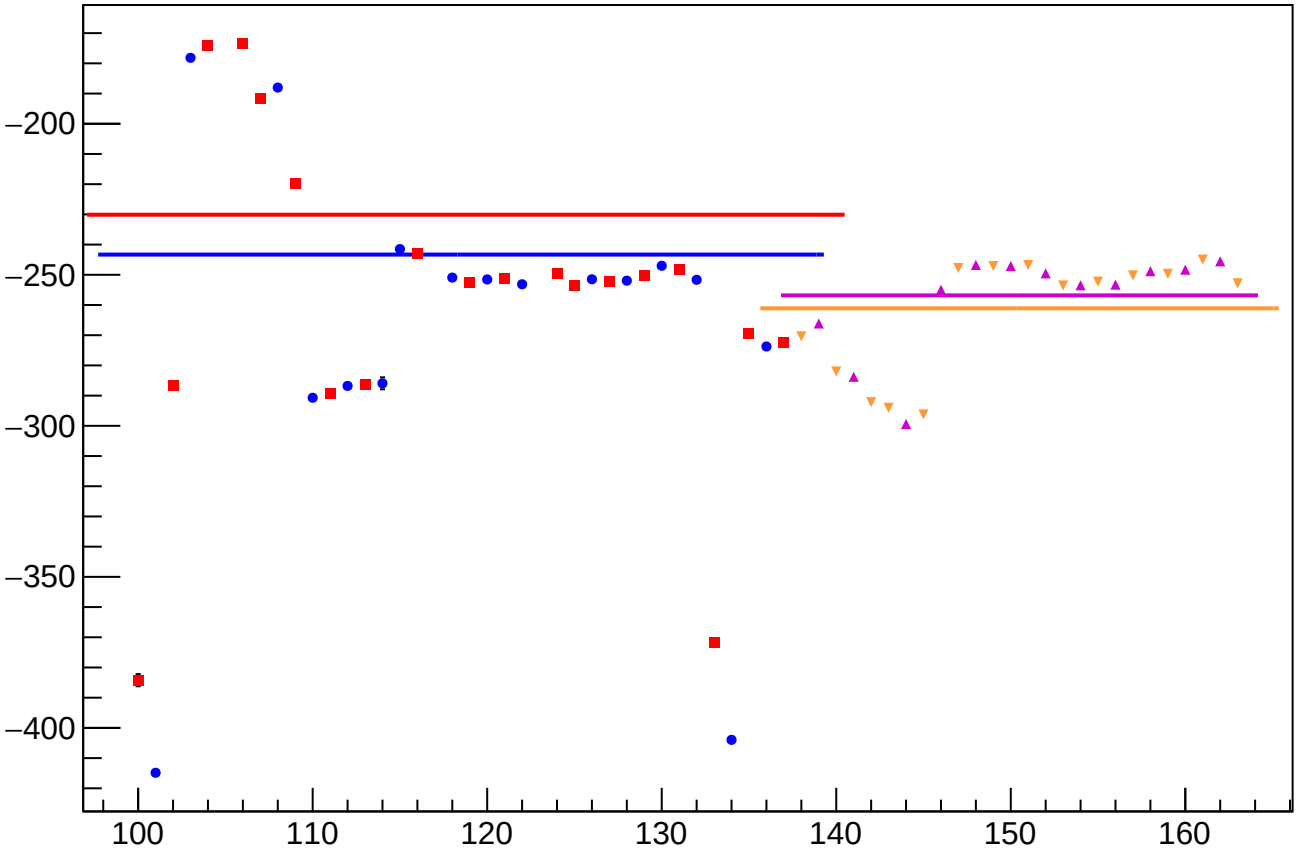
Left In: 114.844+/-2.198 χ^2/NDF:267.4/11

+ sign 122.909+/-1.734 χ^2/NDF: 746.6/29

All: 120.659+/-1.238 χ^2/NDF: 1533.1/60

- sign 118.317+/-1.768 χ^2/NDF: 783.0/30

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -261.097+/-0.101 χ^2/NDF:33237.4/13

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

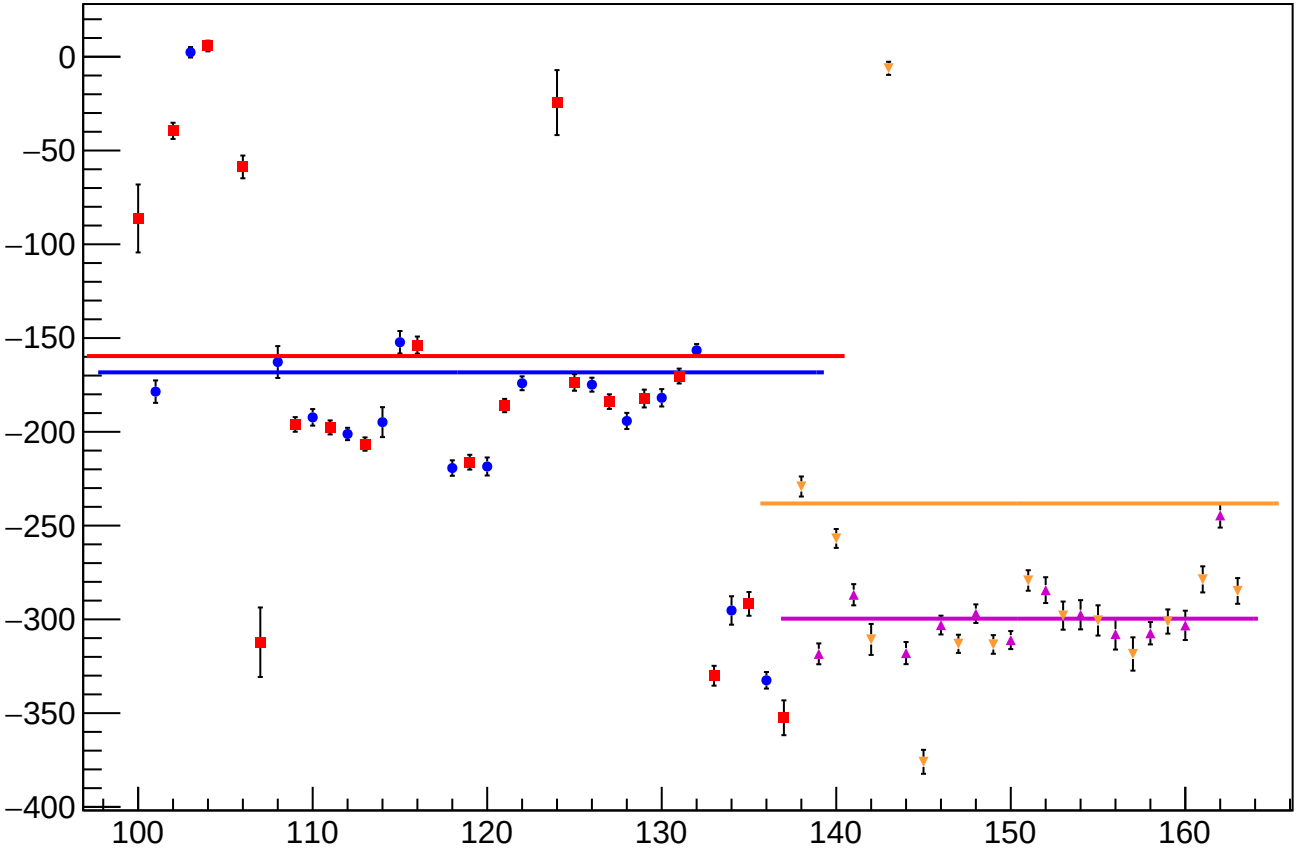
Left In: -256.816+/-0.103 χ^2/NDF:21521.9/11

+ sign -256.170+/-0.086 χ^2/NDF: 215388.5/29

All: -252.511+/-0.061 χ^2/NDF: 363197.3/60

- sign -248.788+/-0.086 χ^2/NDF: 144117.3/30

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.200+/-1.537 χ^2/NDF:5834.2/13

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

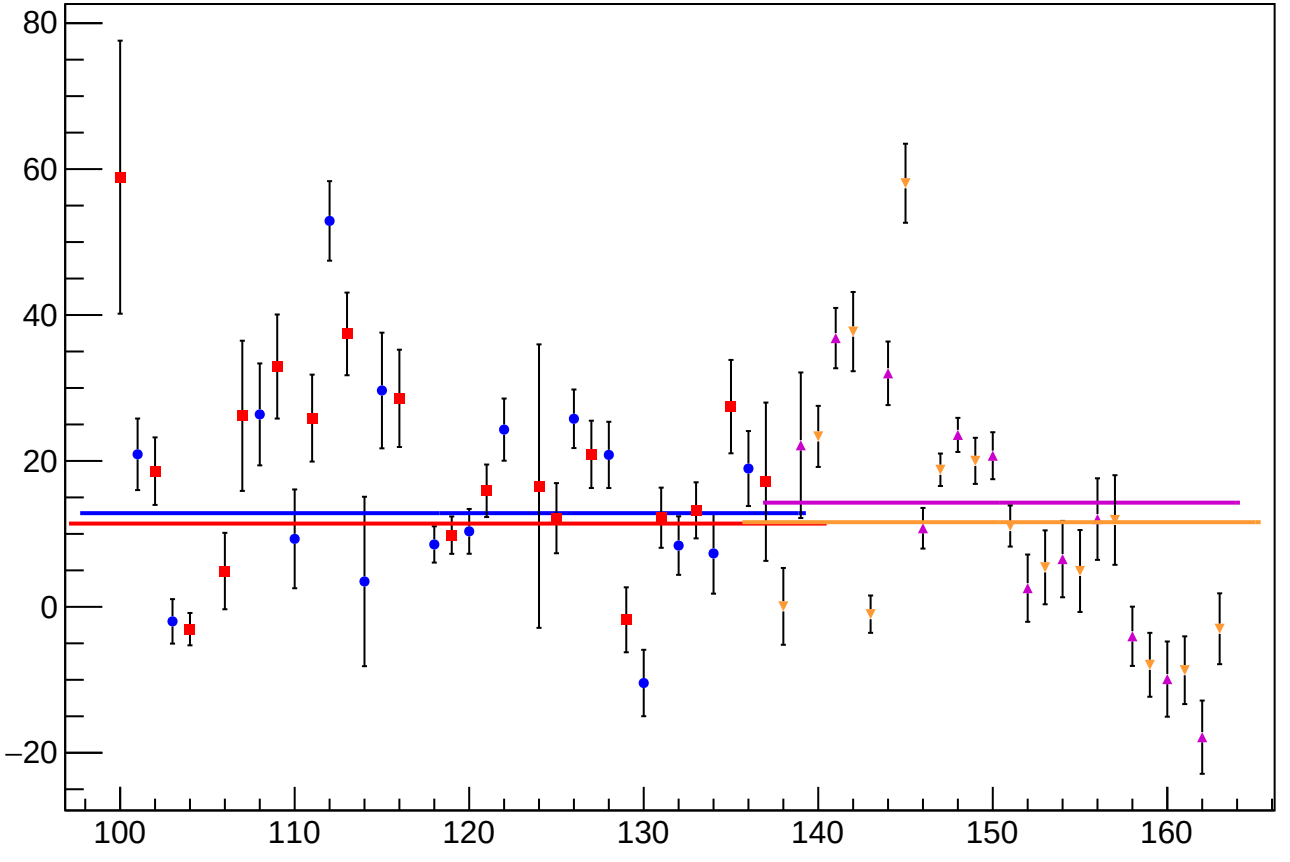
Left In: -299.628+/-1.725 χ^2/NDF:111.6/11

+ sign -191.267+/-0.881 χ^2/NDF: 13129.7/29

All: -194.127+/-0.627 χ^2/NDF: 25288.0/60

- sign -197.057+/-0.892 χ^2/NDF: 12137.0/30

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 11.603+/-1.010 χ^2/NDF:202.2/13

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

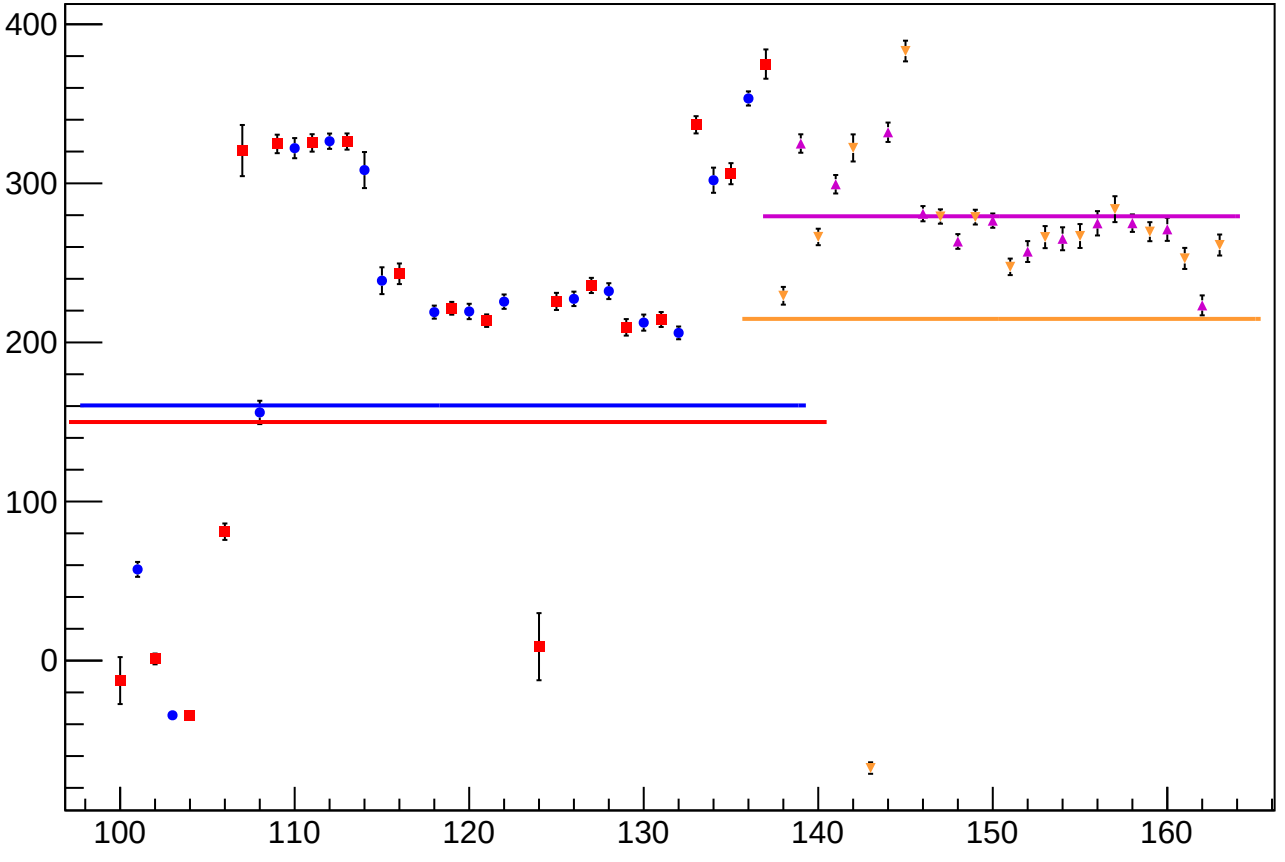
Left In: 14.282+/-1.130 χ^2/NDF:160.5/11

+ sign 12.183+/-0.737 χ^2/NDF: 346.6/29

All: 12.443+/-0.530 χ^2/NDF: 630.4/60

- sign 12.723+/-0.763 χ^2/NDF: 283.6/30

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 214.810+/-1.502 χ^2/NDF:7825.3/13

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

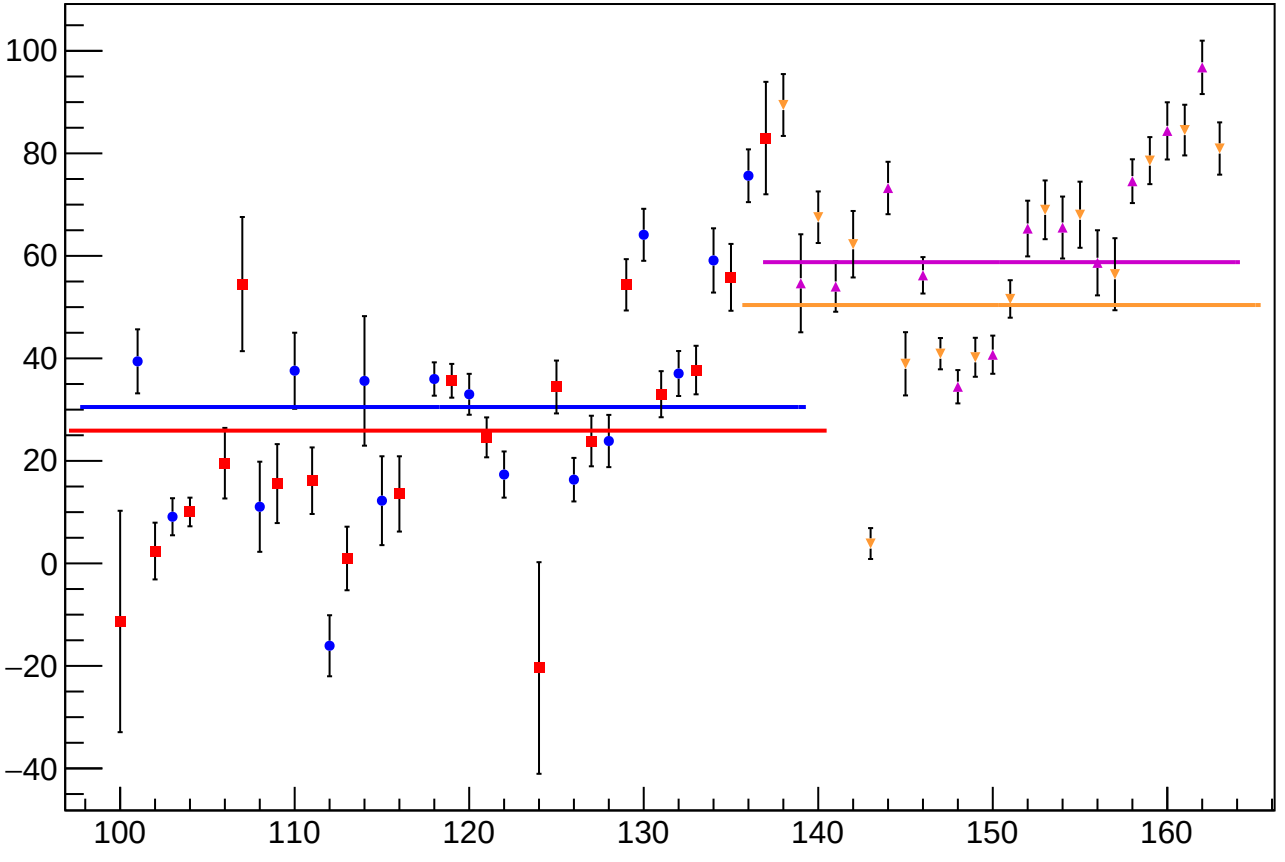
Left In: 279.309+/-1.660 χ^2/NDF:258.8/11

+ sign 180.270+/-0.908 χ^2/NDF: 22608.0/29

All: 184.954+/-0.646 χ^2/NDF: 43388.7/60

- sign 189.777+/-0.921 χ^2/NDF: 20726.6/30

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 50.410+/-1.213 χ^2/NDF:455.0/13

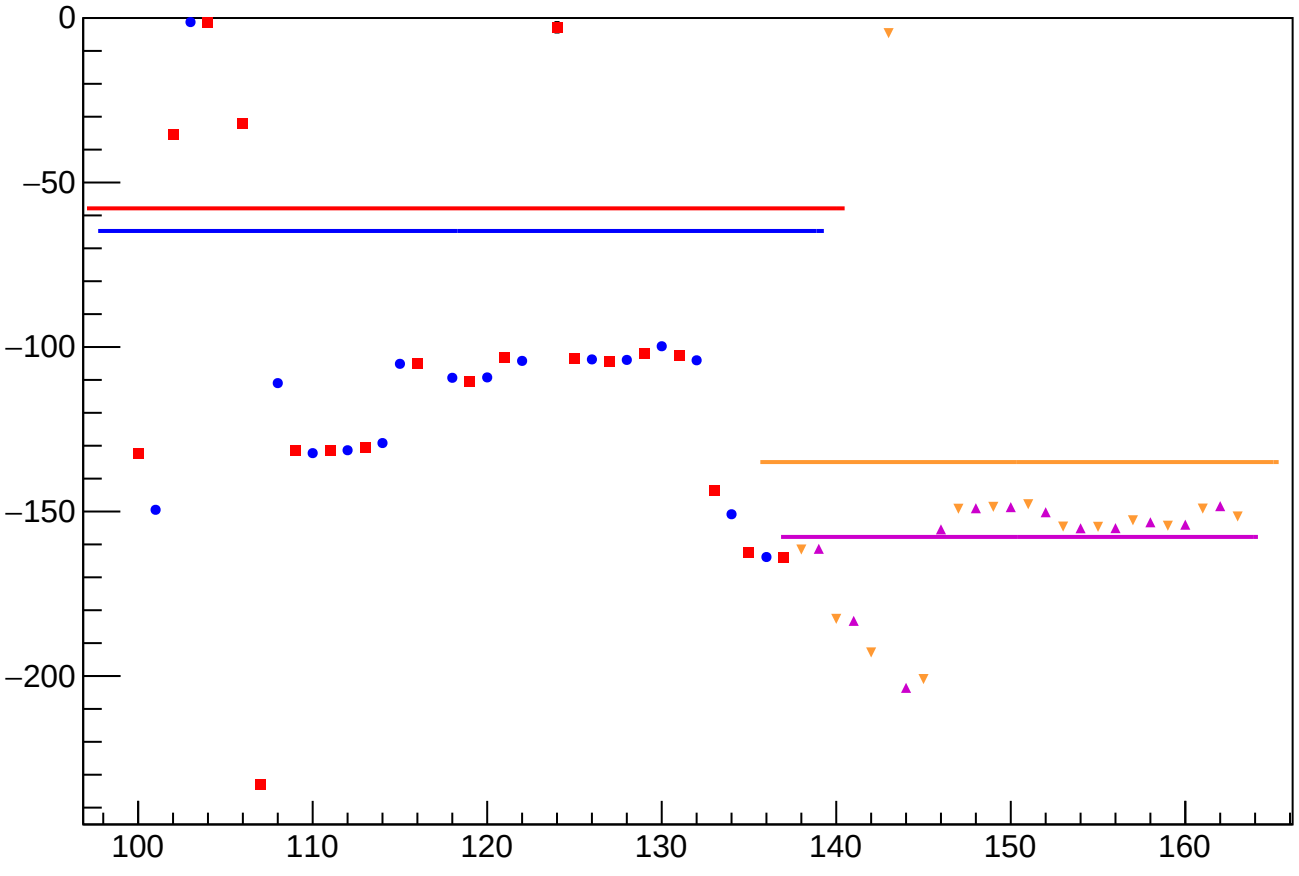
Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 58.775+/-1.353 χ^2/NDF:179.8/11

+ sign 40.794+/-0.872 χ^2/NDF: 861.9/29

All: 40.676+/-0.627 χ^2/NDF: 1556.7/60

- sign 40.549+/-0.903 χ^2/NDF: 694.7/30



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.968+/-0.059 χ^2/NDF:954857.1/13

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

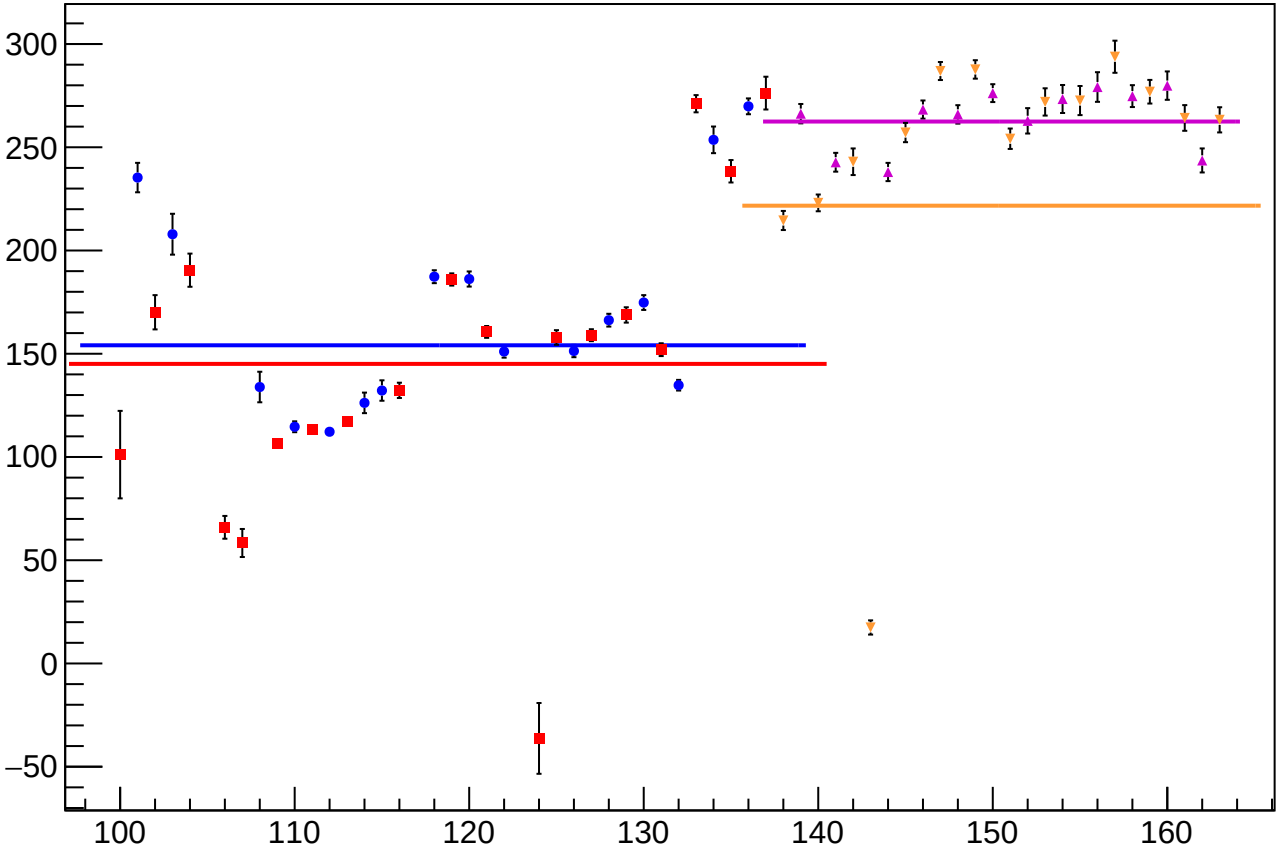
Left In: -157.720+/-0.063 χ^2/NDF:48350.4/11

+ sign -102.630+/-0.043 χ^2/NDF: 2653550.7/29

All: -104.667+/-0.031 χ^2/NDF: 4847936.4/60

- sign -106.809+/-0.044 χ^2/NDF: 2189840.9/30

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.707+/-1.351 χ^2/NDF:4454.1/13

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

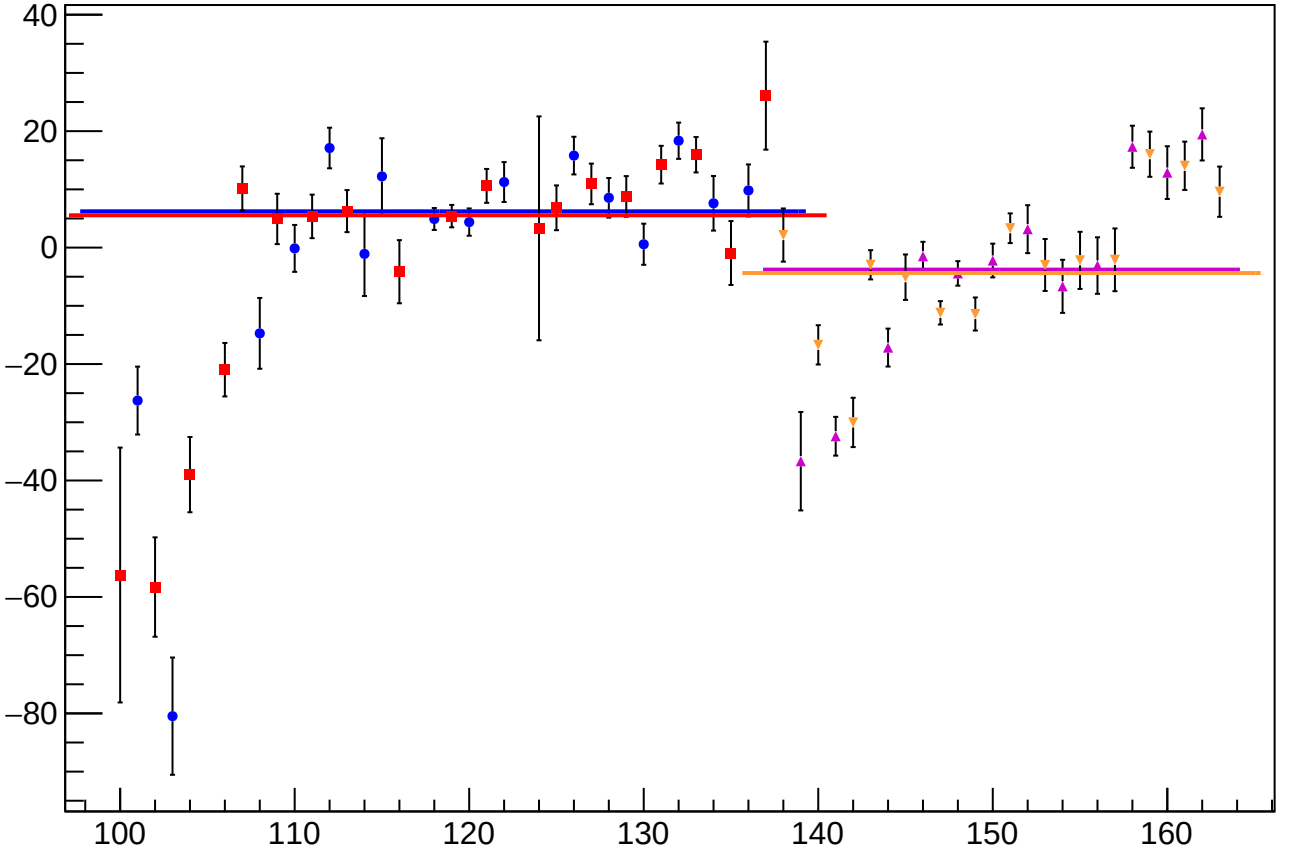
Left In: 262.455+/-1.484 χ^2/NDF:92.8/11

\+ sign 173.890+/-0.731 χ^2/NDF: 8507.0/29

All: 173.358+/-0.514 χ^2/NDF: 16333.5/60

\- sign 172.838+/-0.722 χ^2/NDF: 7825.5/30

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -4.370+/-0.896 χ^2/NDF:137.6/13

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

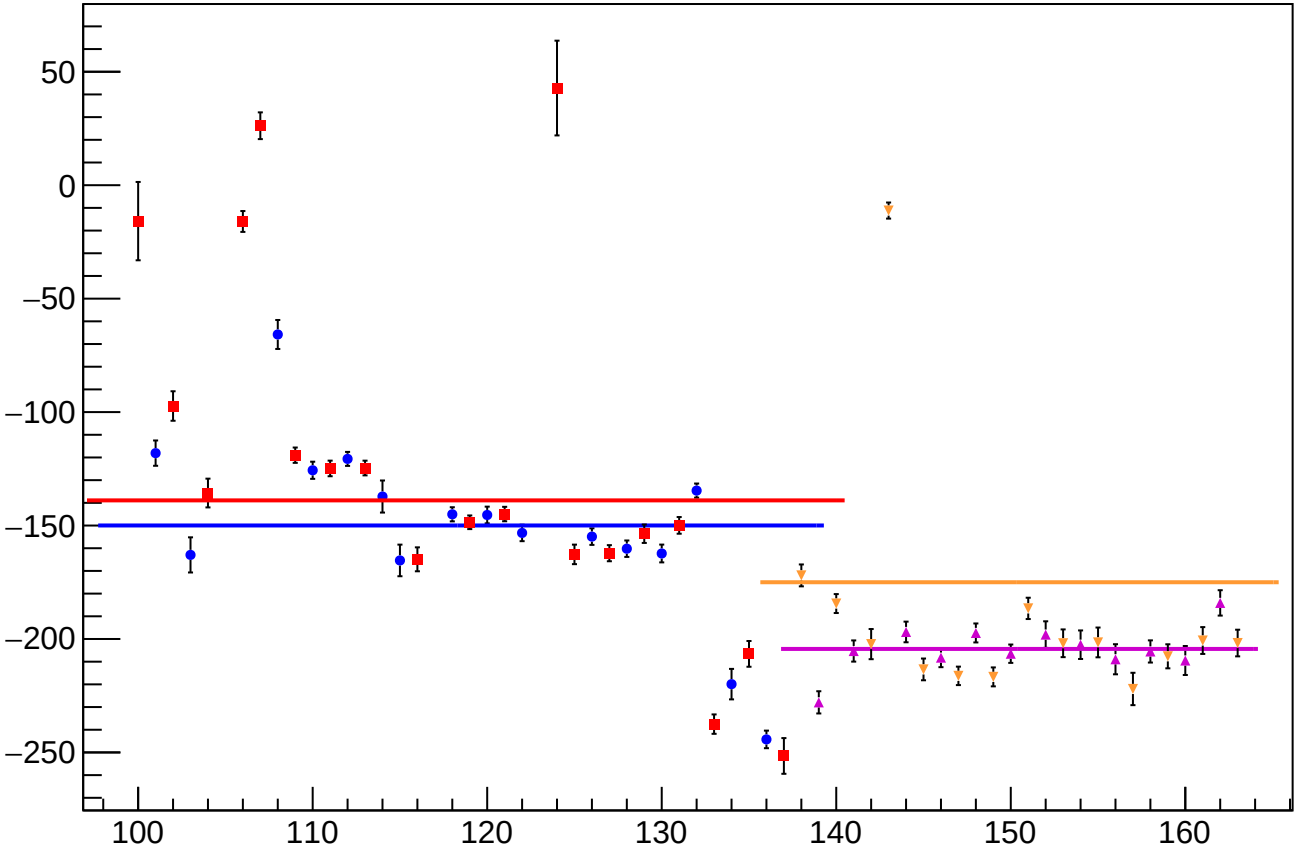
Left In: -3.784+/-0.985 χ^2/NDF:184.9/11

+ sign 0.963+/-0.631 χ^2/NDF: 370.2/29

All: 1.151+/-0.456 χ^2/NDF: 785.8/60

- sign 1.357+/-0.660 χ^2/NDF: 415.4/30

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.991+/-1.322 χ^2/NDF:2589.3/13

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

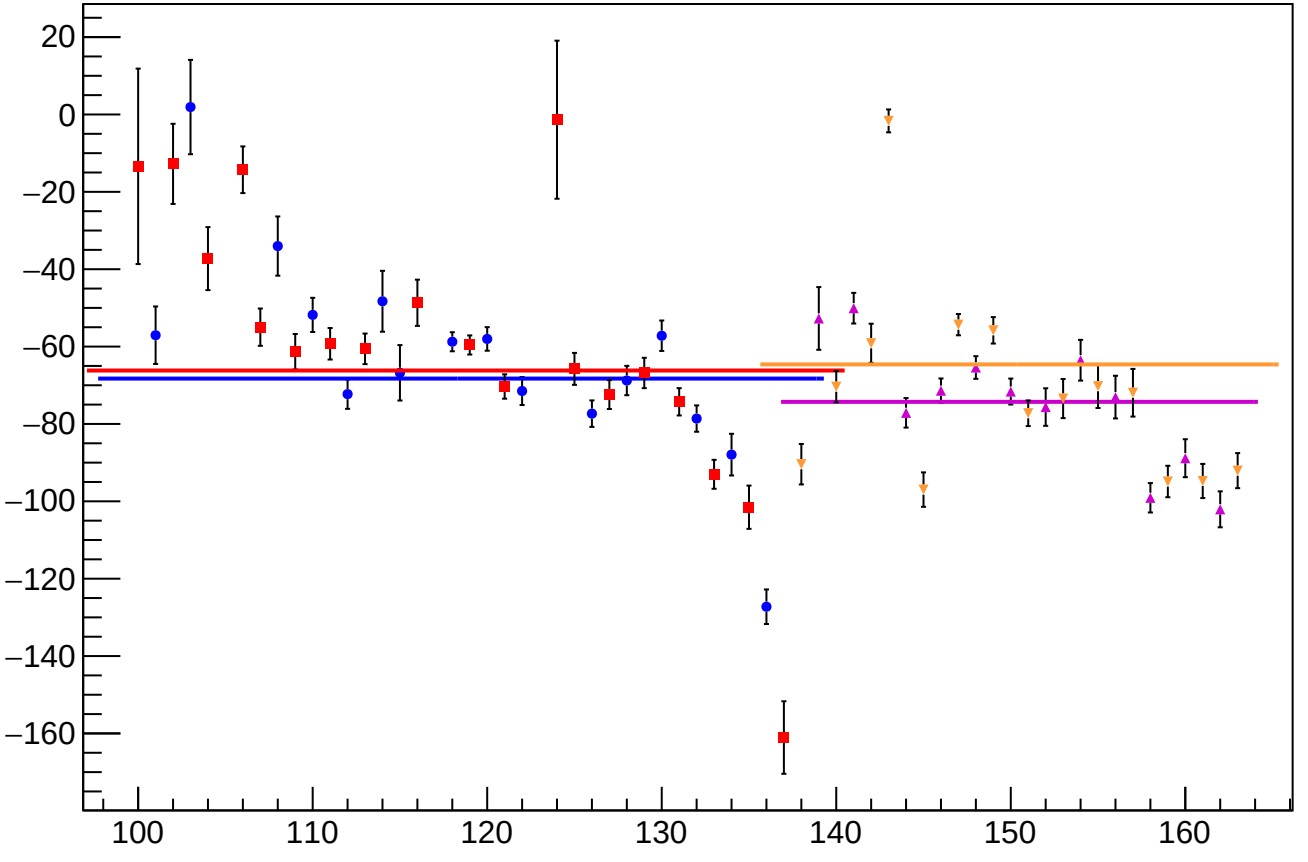
Left In: -204.384+/-1.434 χ^2/NDF:45.4/11

+ sign -159.372+/-0.810 χ^2/NDF: 3912.4/29

All: -159.753+/-0.575 χ^2/NDF: 8117.4/60

- sign -160.140+/-0.817 χ^2/NDF: 4204.5/30

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -64.610+/-1.074 χ^2/NDF:711.3/13

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

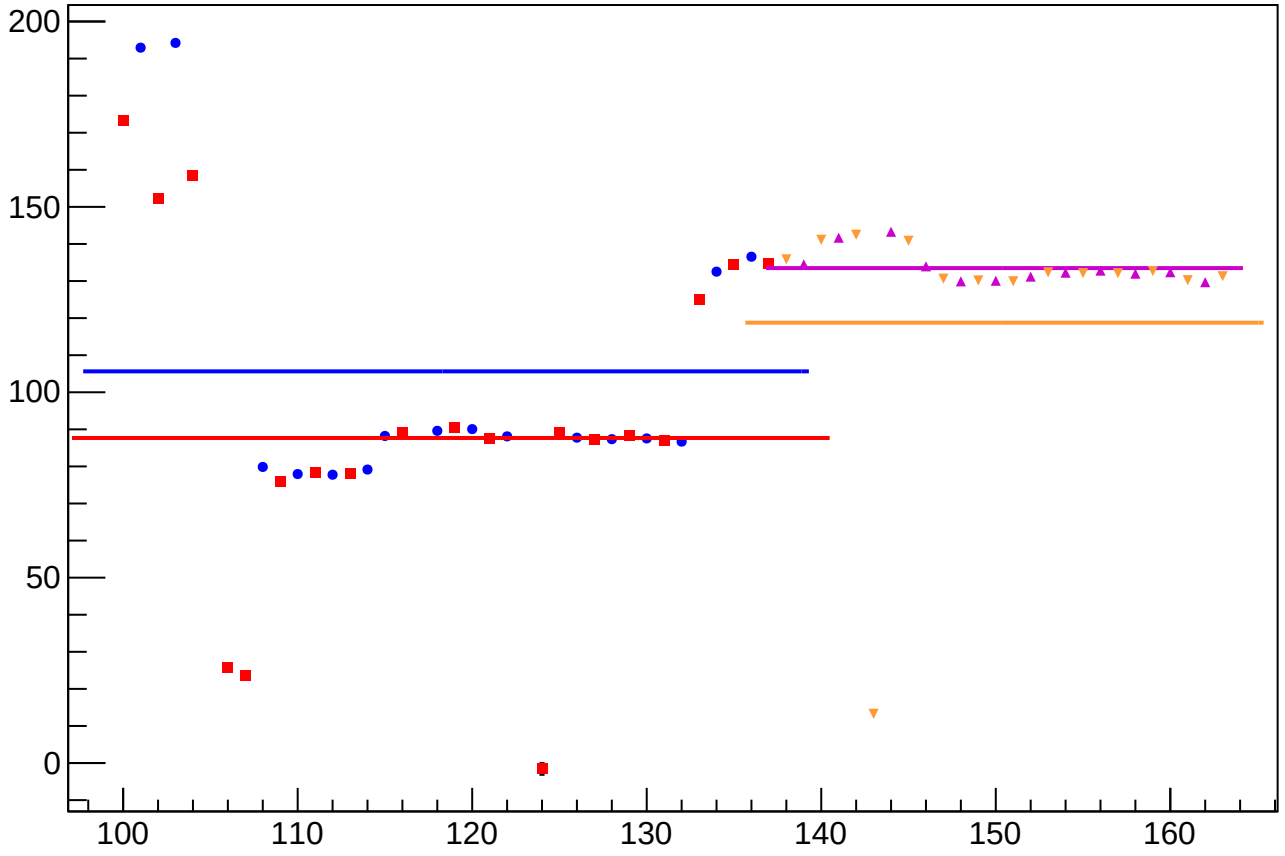
Left In: -74.285+/-1.177 χ^2/NDF:147.1/11

+ sign -66.511+/-0.745 χ^2/NDF: 1032.8/29

All: -68.035+/-0.536 χ^2/NDF: 1573.9/60

- sign -69.676+/-0.772 χ^2/NDF: 532.4/30

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.768+/-0.052 χ^2/NDF:593449.4/13

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

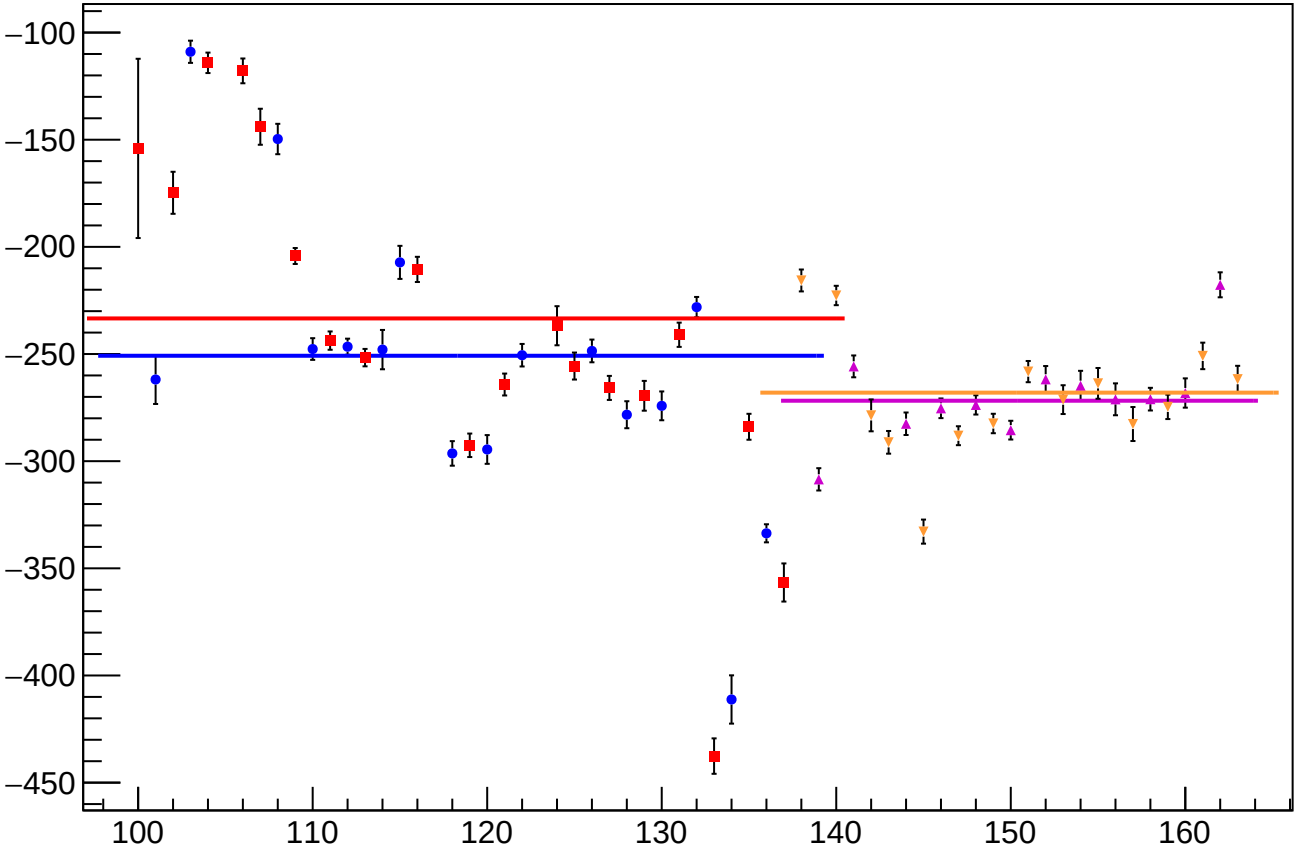
Left In: 133.493+/-0.055 χ^2/NDF:5676.4/11

\+ sign 114.187+/-0.042 χ^2/NDF: 855430.3/29

All: 114.394+/-0.030 χ^2/NDF: 1522108.8/60

\- sign 114.603+/-0.042 χ^2/NDF: 666629.6/30

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.019+/-1.485 χ^2/NDF:408.9/13

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

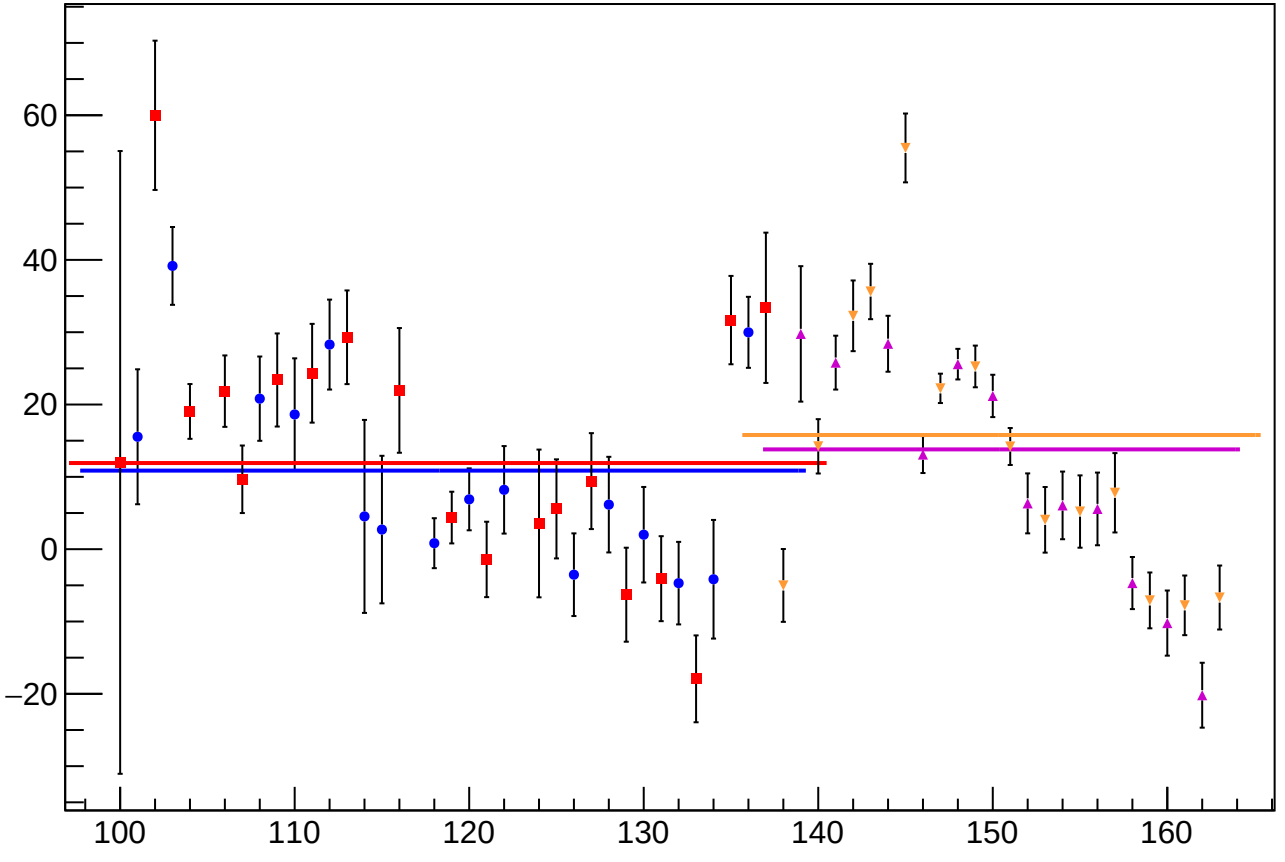
Left In: -271.795+/-1.557 χ^2/NDF:164.4/11

+ sign -259.140+/-1.033 χ^2/NDF: 2213.8/29

All: -254.296+/-0.723 χ^2/NDF: 5150.7/60

- sign -249.642+/-1.013 χ^2/NDF: 2893.8/30

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 15.787+/-0.962 χ^2/NDF:253.1/13

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

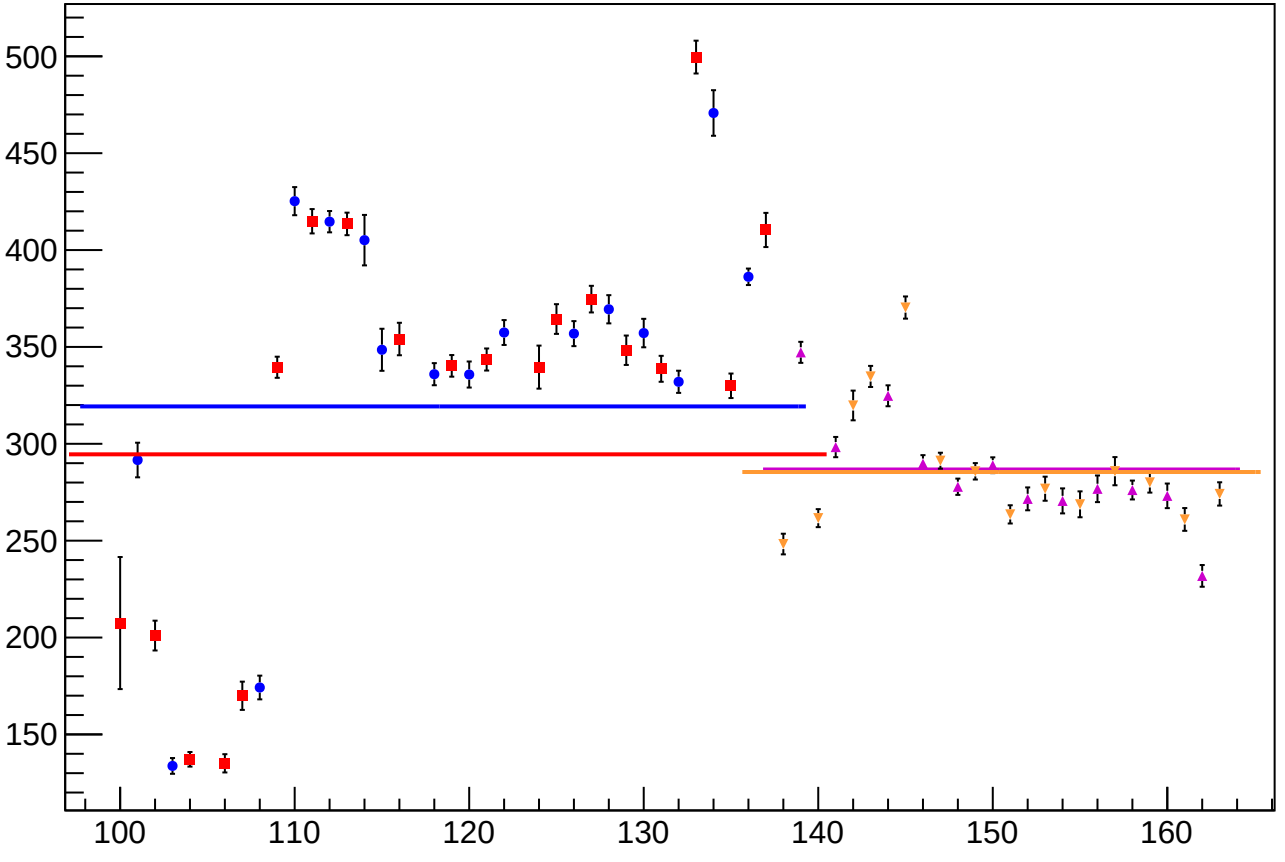
Left In: 13.798+/-1.019 χ^2/NDF:185.8/11

+ sign 14.311+/-0.805 χ^2/NDF: 345.6/29

All: 13.726+/-0.574 χ^2/NDF: 645.7/60

- sign 13.125+/-0.817 χ^2/NDF: 299.0/30

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 285.444+/-1.440 χ^2/NDF:450.5/13

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

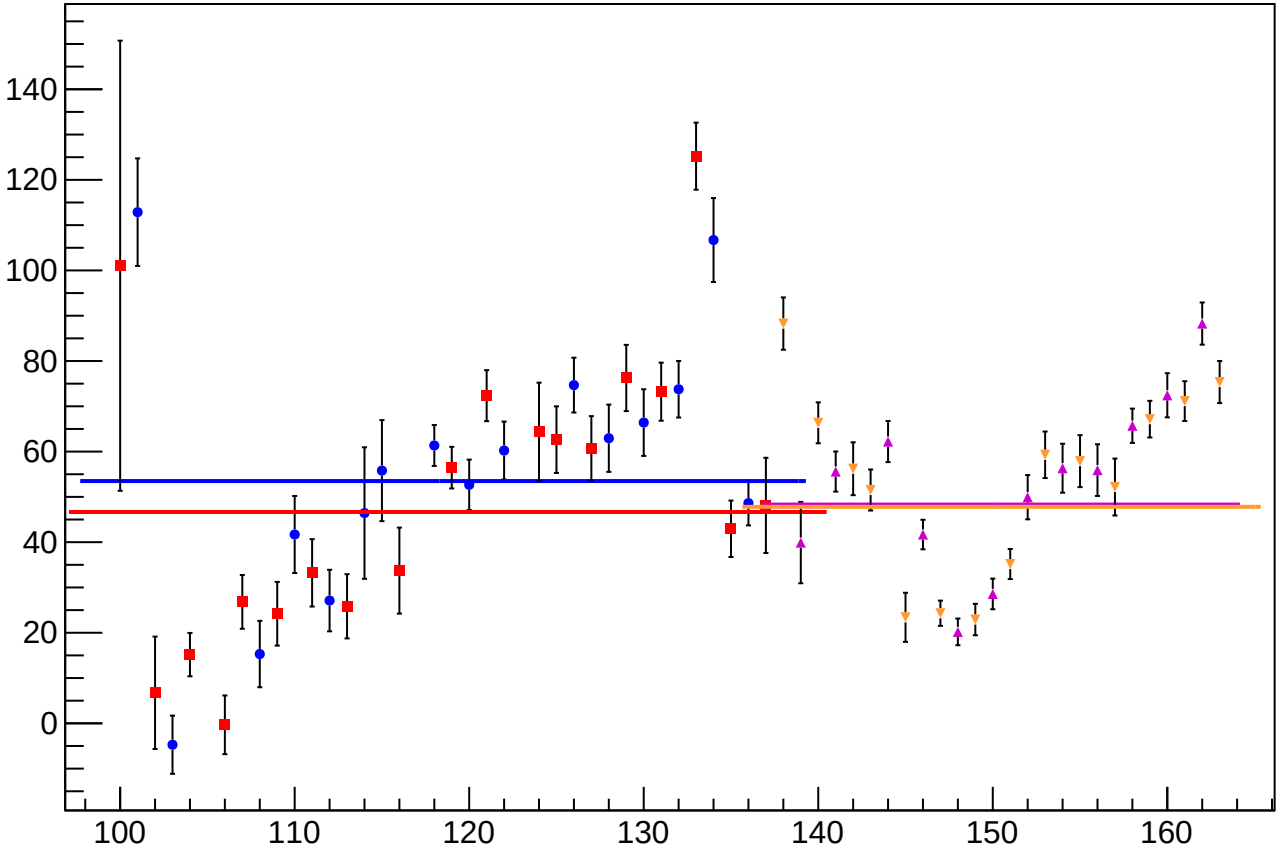
Left In: 286.740+/-1.498 χ^2/NDF:304.1/11

\+ sign 300.738+/-1.066 χ^2/NDF: 4493.1/29

All: 295.655+/-0.749 χ^2/NDF: 10359.2/60

\- sign 290.696+/-1.053 χ^2/NDF: 5821.1/30

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 47.805+/-1.157 χ^2/NDF:320.9/13

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

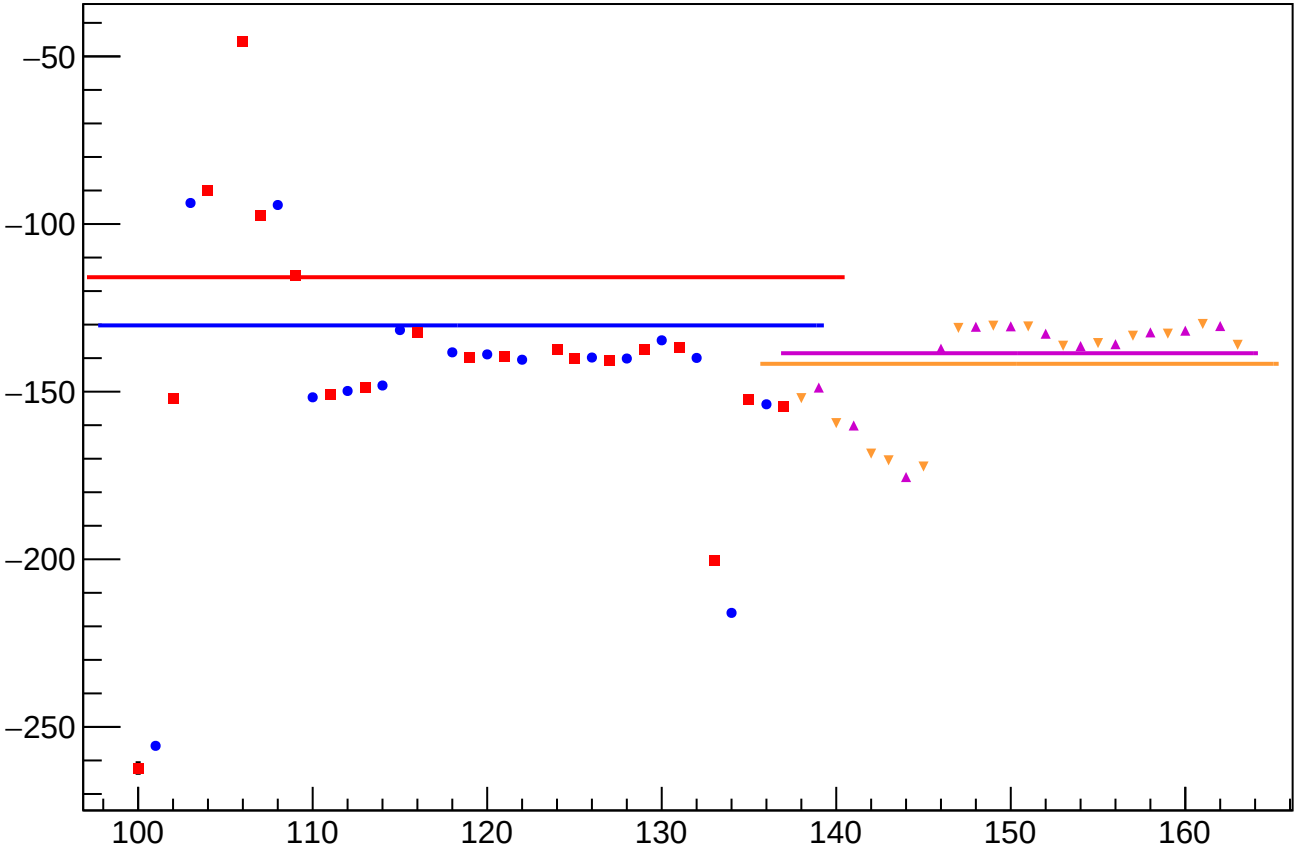
Left In: 48.306+/-1.219 χ^2/NDF:265.6/11

+ sign 49.608+/-0.956 χ^2/NDF: 545.8/29

All: 48.666+/-0.680 χ^2/NDF: 1139.7/60

- sign 47.700+/-0.968 χ^2/NDF: 591.9/30

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.693+/-0.056 χ^2/NDF:71313.1/13

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

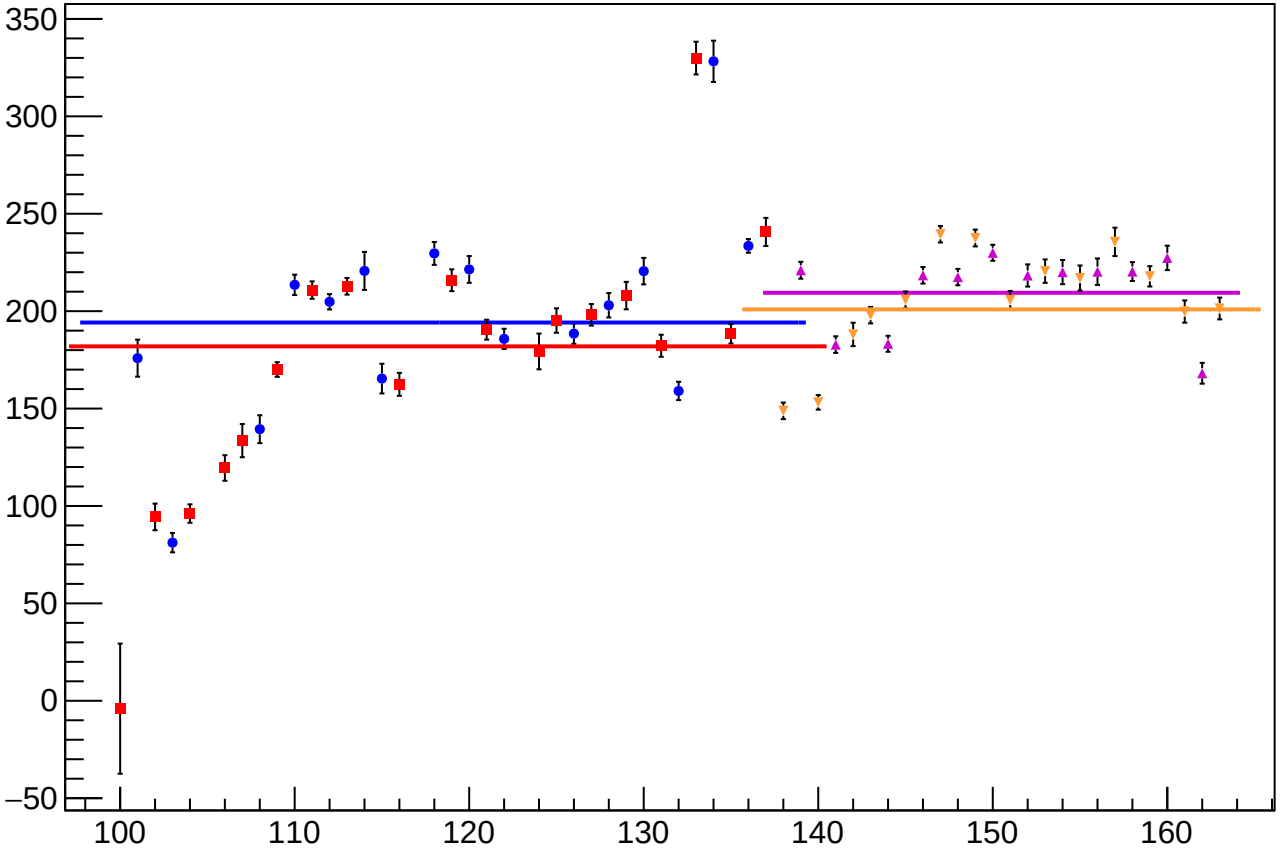
Left In: -138.536+/-0.057 χ^2/NDF:45492.0/11

+ sign -138.546+/-0.048 χ^2/NDF: 256998.3/29

All: -135.040+/-0.034 χ^2/NDF: 567568.0/60

- sign -131.560+/-0.048 χ^2/NDF: 299816.3/30

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 200.898+/-1.301 χ^2/NDF:526.2/13

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

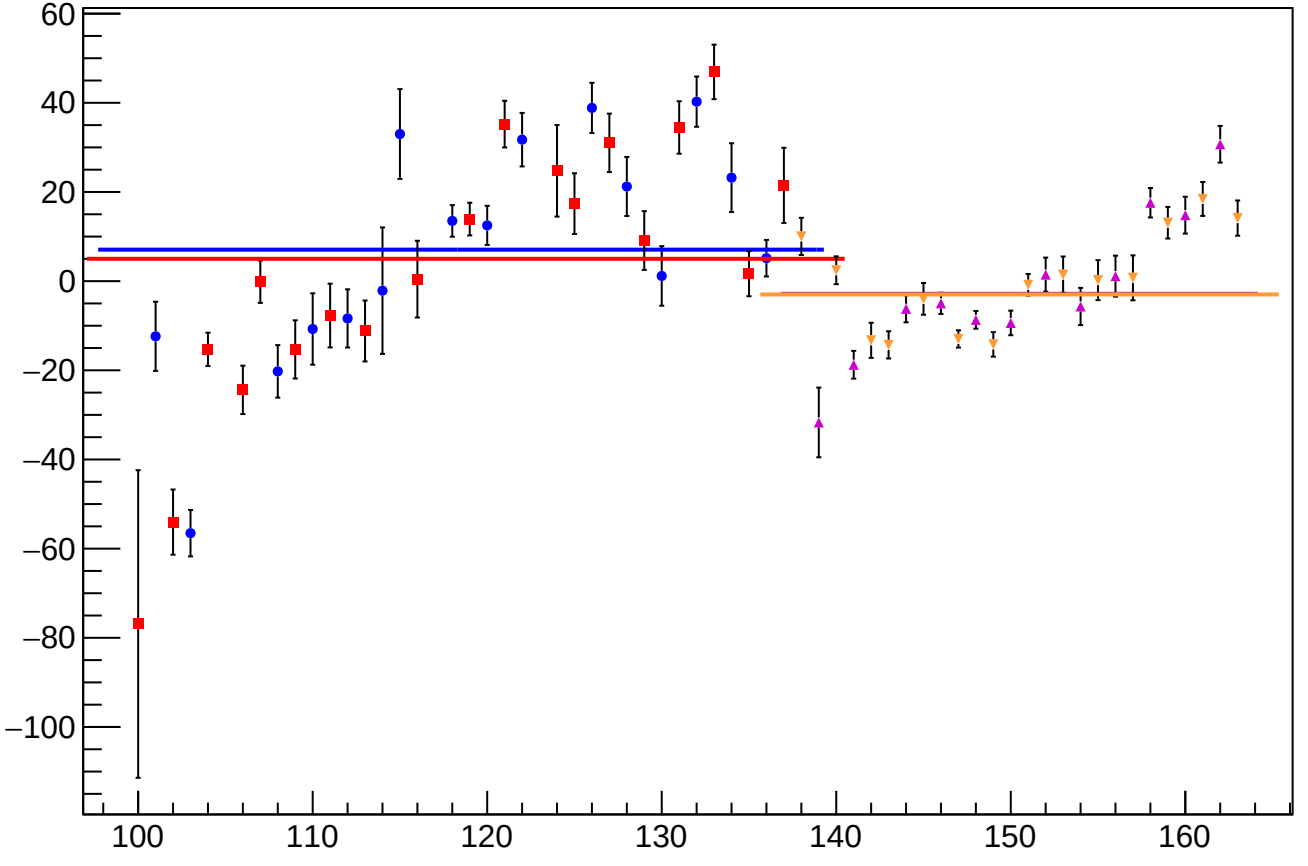
Left In: 209.432+/-1.386 χ^2/NDF:201.2/11

+ sign 197.794+/-0.955 χ^2/NDF: 1573.8/29

All: 196.415+/-0.676 χ^2/NDF: 3190.2/60

- sign 195.032+/-0.956 χ^2/NDF: 1612.3/30

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -2.980+/-0.863 χ^2/NDF:150.8/13

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

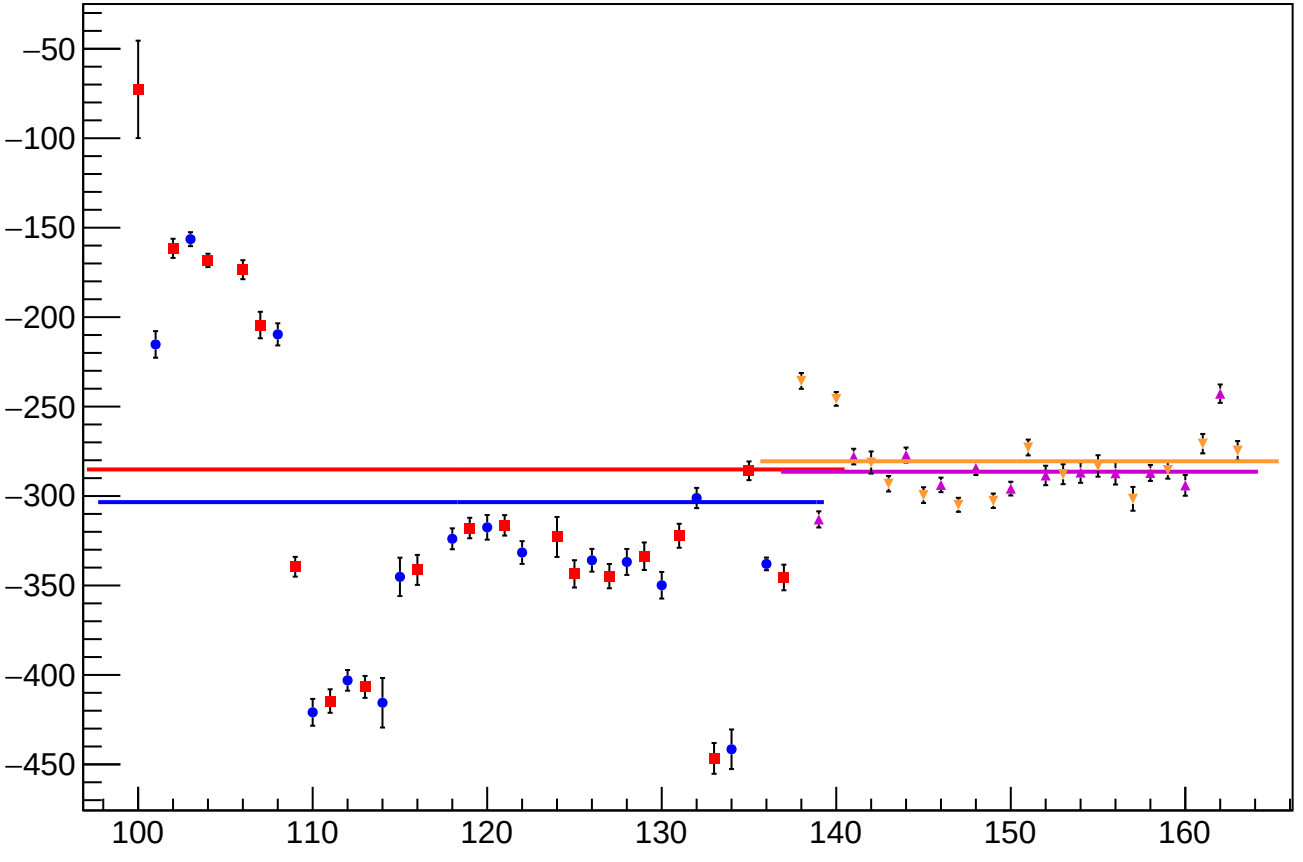
Left In: -2.840+/-0.923 χ^2/NDF:181.6/11

+ sign -0.335+/-0.740 χ^2/NDF: 479.0/29

All: -0.343+/-0.531 χ^2/NDF: 972.2/60

- sign -0.352+/-0.763 χ^2/NDF: 493.1/30

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.572+/-1.270 χ^2/NDF:300.4/13

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

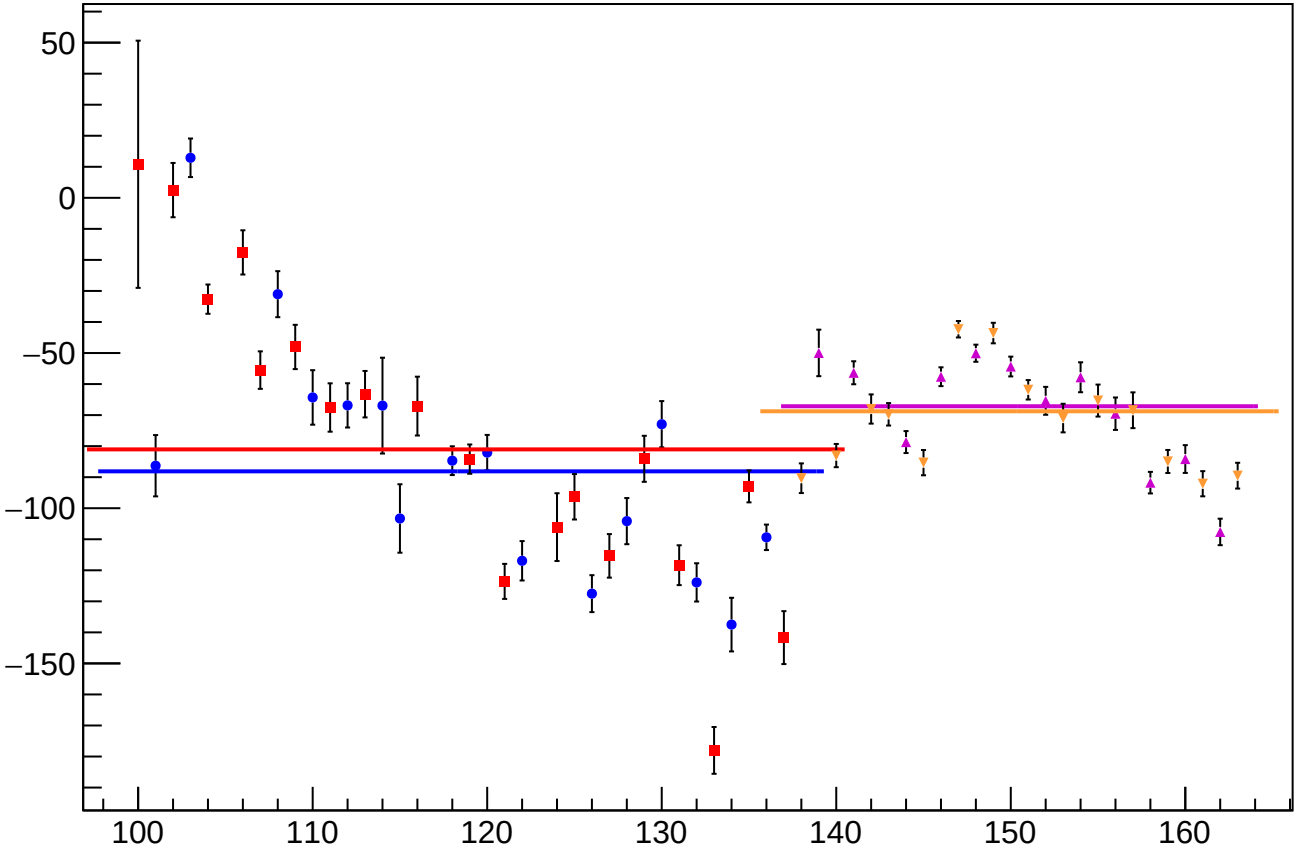
Left In: -286.405+/-1.339 χ^2/NDF:127.2/11

+ sign -289.887+/-0.977 χ^2/NDF: 3217.8/29

All: -287.871+/-0.693 χ^2/NDF: 7108.8/60

- sign -285.827+/-0.984 χ^2/NDF: 3882.4/30

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -68.770+/-1.032 χ^2/NDF:291.4/13

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

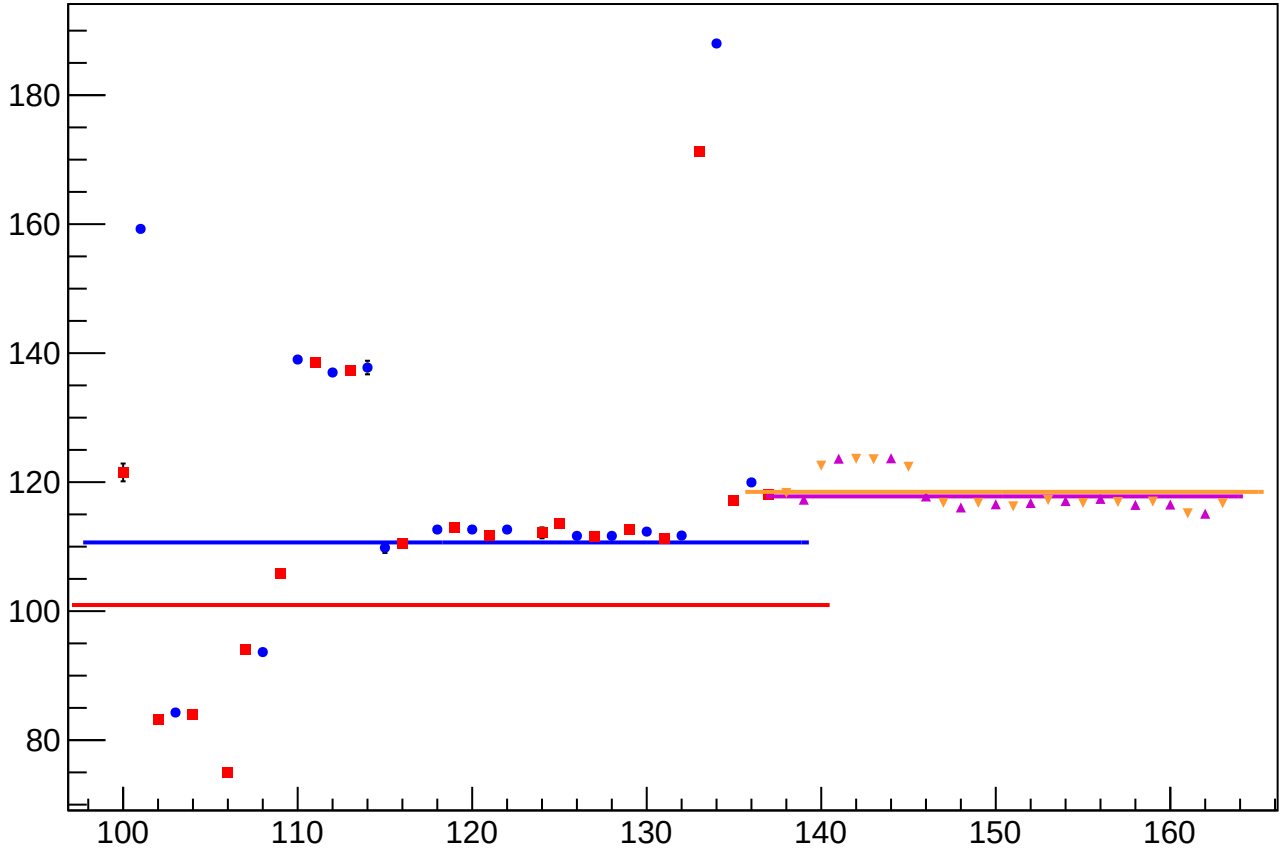
Left In: -67.153+/-1.100 χ^2/NDF:247.6/11

+ sign -74.188+/-0.876 χ^2/NDF: 901.8/29

All: -72.995+/-0.628 χ^2/NDF: 1883.3/60

- sign -71.732+/-0.901 χ^2/NDF: 977.7/30

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.493+/-0.050 χ^2/NDF:3245.9/13

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

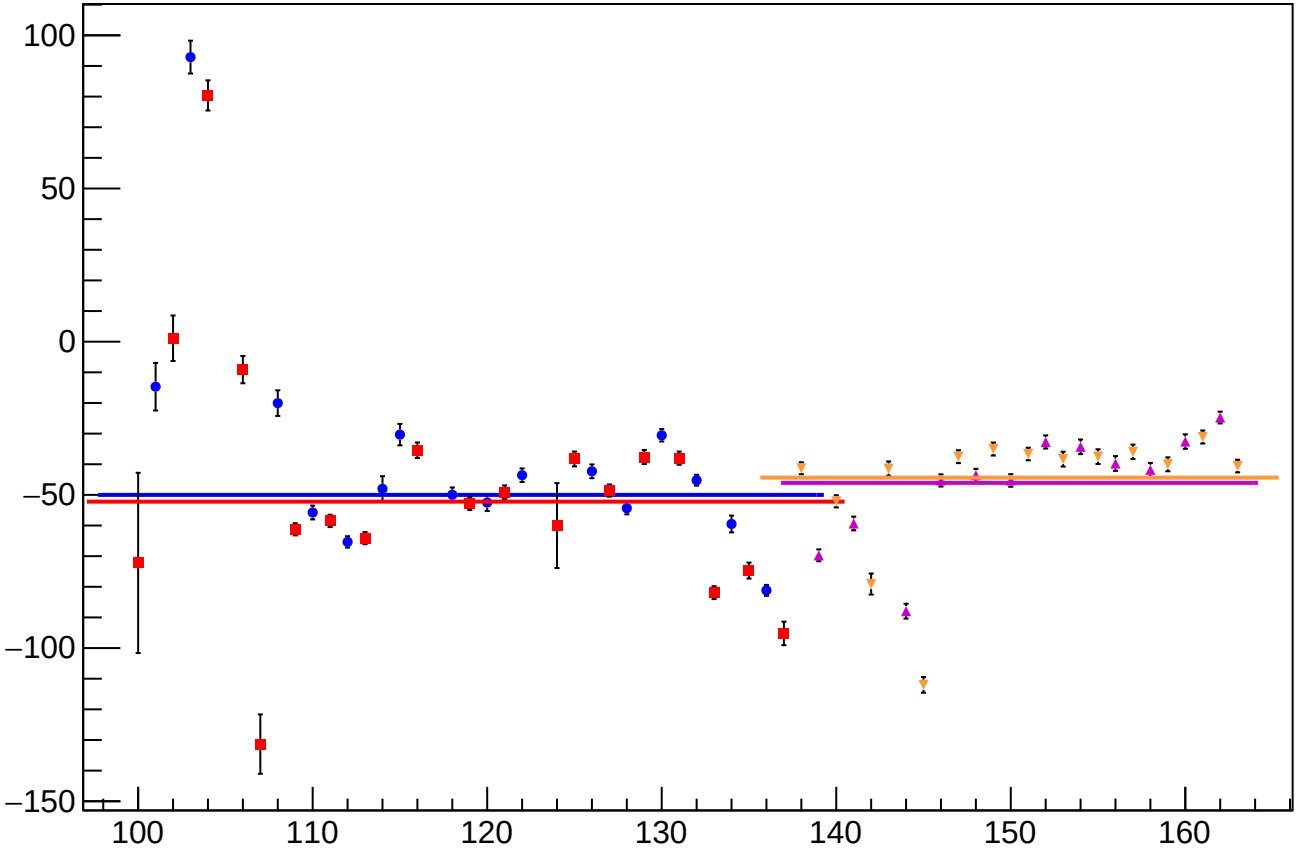
Left In: 117.790+/-0.051 χ^2/NDF:2596.3/11

\+ sign 116.532+/-0.043 χ^2/NDF: 93030.4/29

All: 114.770+/-0.030 χ^2/NDF: 191924.7/60

\- sign 112.975+/-0.043 χ^2/NDF: 95488.9/30

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -44.367+/-0.599 χ^2/NDF:929.1/13

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

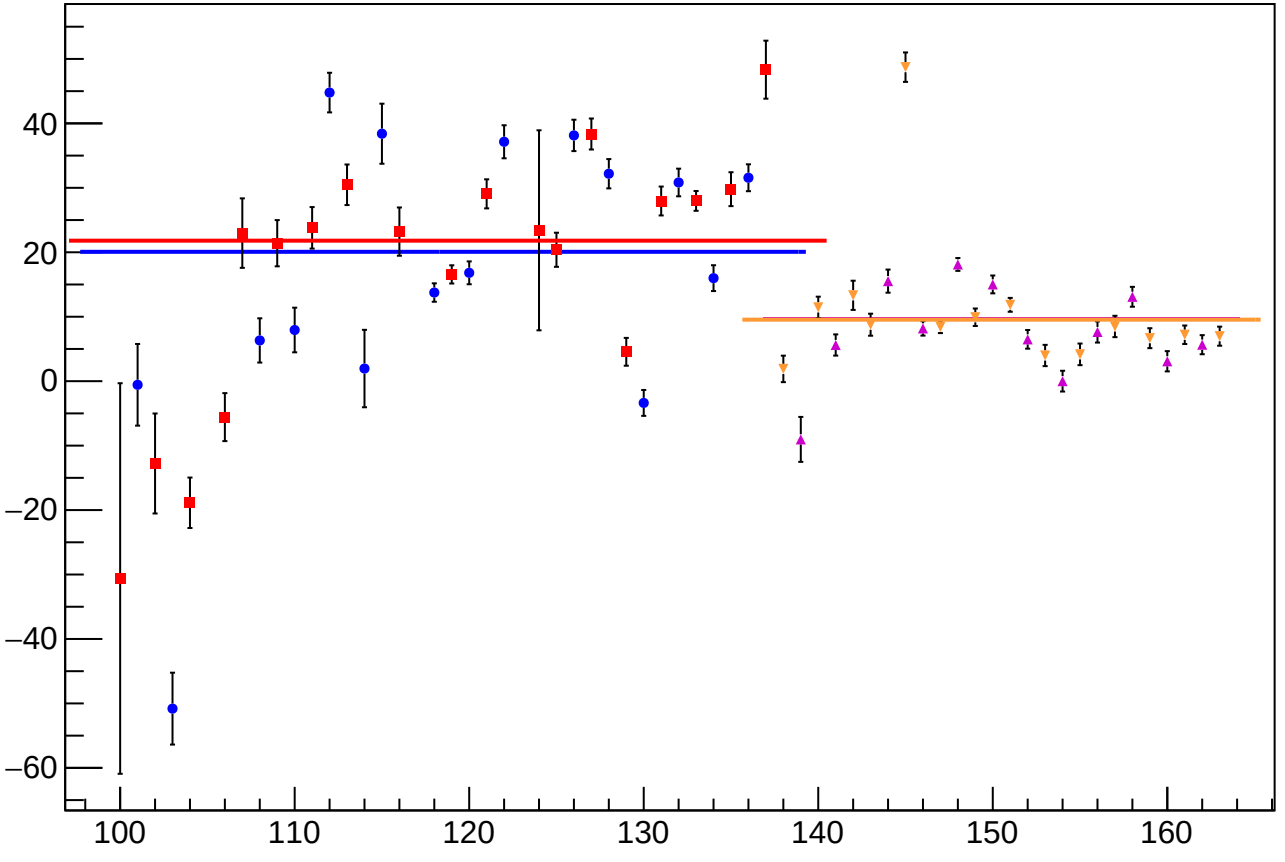
Left In: -46.081+/-0.625 χ^2/NDF:710.5/11

+ sign -47.138+/-0.428 χ^2/NDF: 2300.0/29

All: -48.174+/-0.305 χ^2/NDF: 4642.3/60

- sign -49.246+/-0.435 χ^2/NDF: 2330.3/30

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.545+/-0.400 χ^2/NDF:349.1/13

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

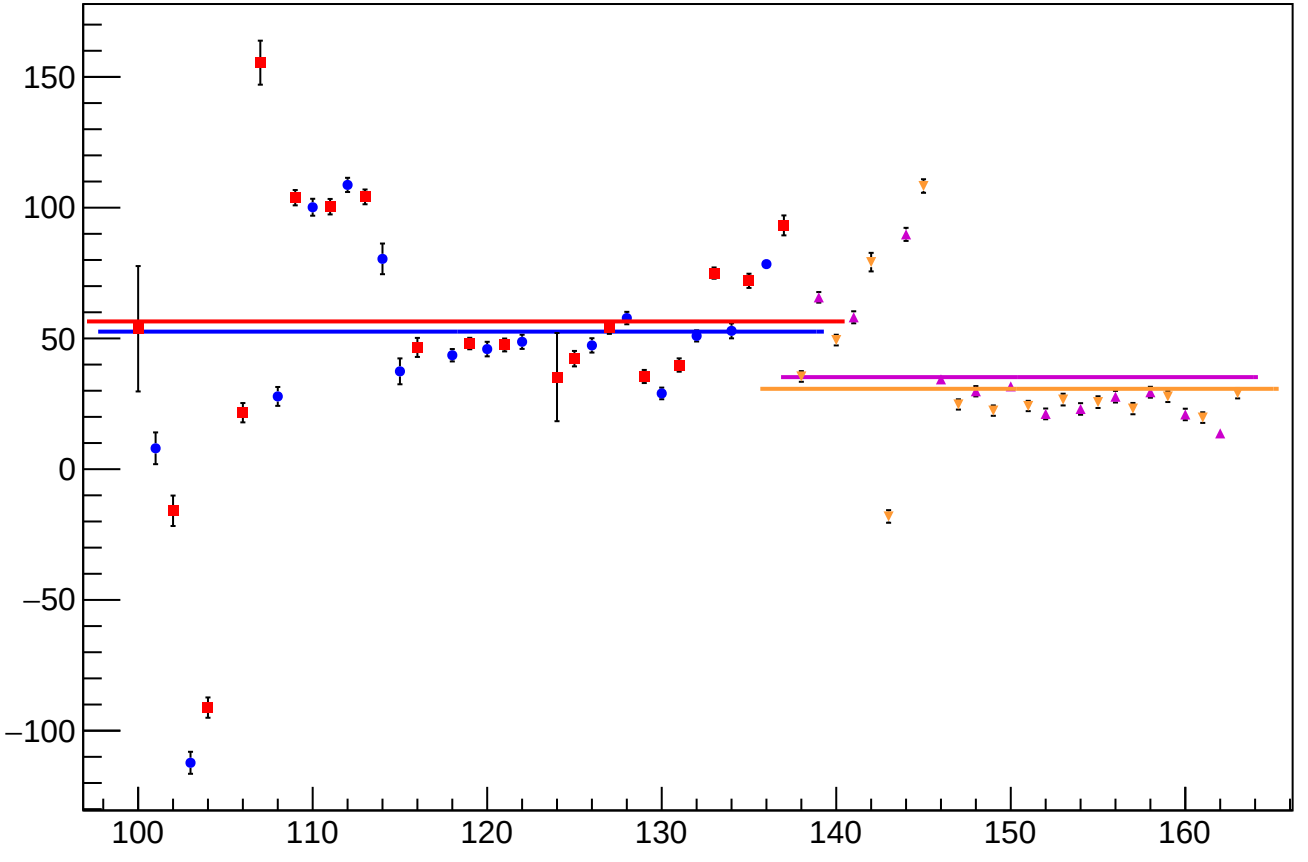
Left In: 9.640+/-0.422 χ^2/NDF:205.9/11

\+ sign 12.698+/-0.335 χ^2/NDF: 1192.6/29

All: 13.072+/-0.242 χ^2/NDF: 2059.0/60

\- sign 13.478+/-0.349 χ^2/NDF: 863.8/30

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.733+/-0.579 χ^2/NDF:1668.4/13

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

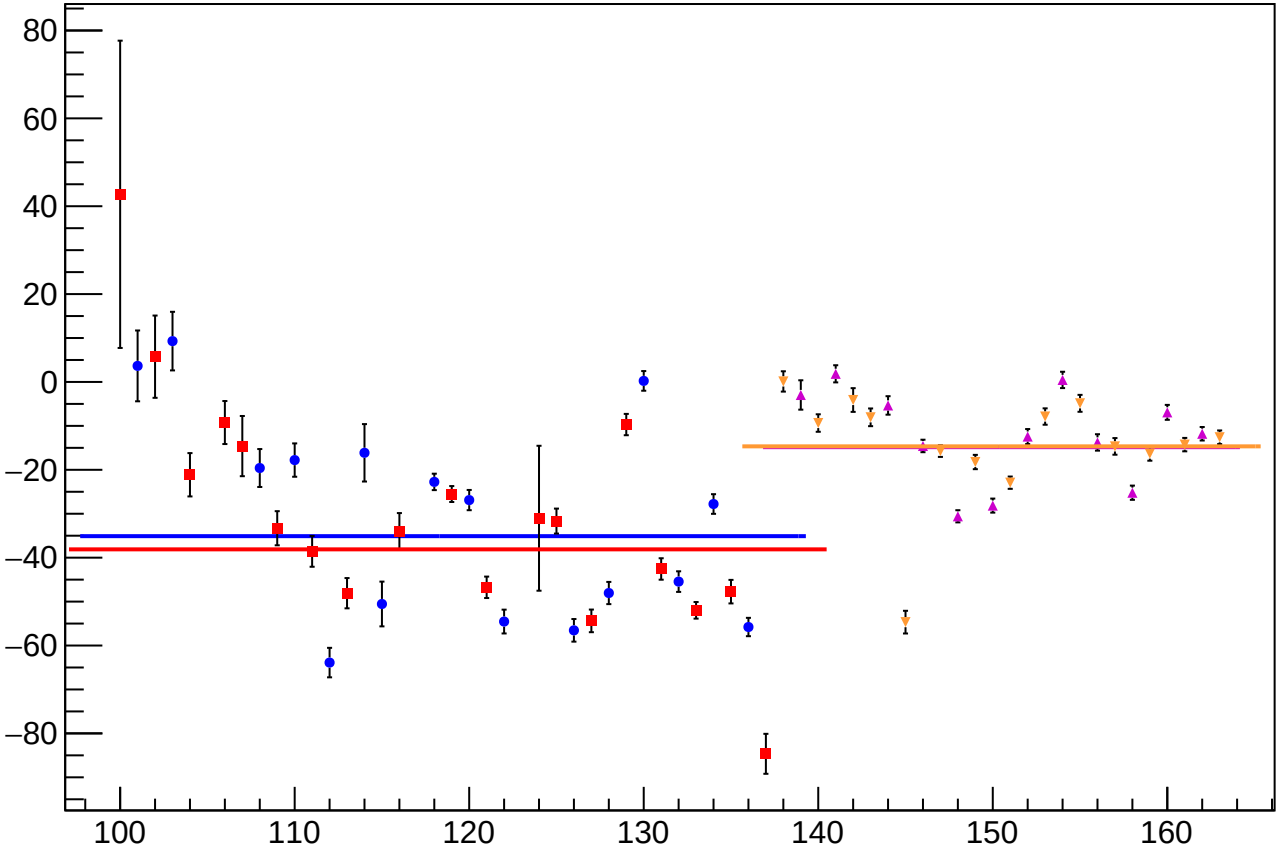
Left In: 35.205+/-0.601 χ^2/NDF:1086.6/11

+ sign 39.679+/-0.445 χ^2/NDF: 4910.9/29

All: 41.859+/-0.319 χ^2/NDF: 9540.2/60

- sign 44.159+/-0.457 χ^2/NDF: 4580.1/30

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.661+/-0.472 χ^2/NDF:396.2/13

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

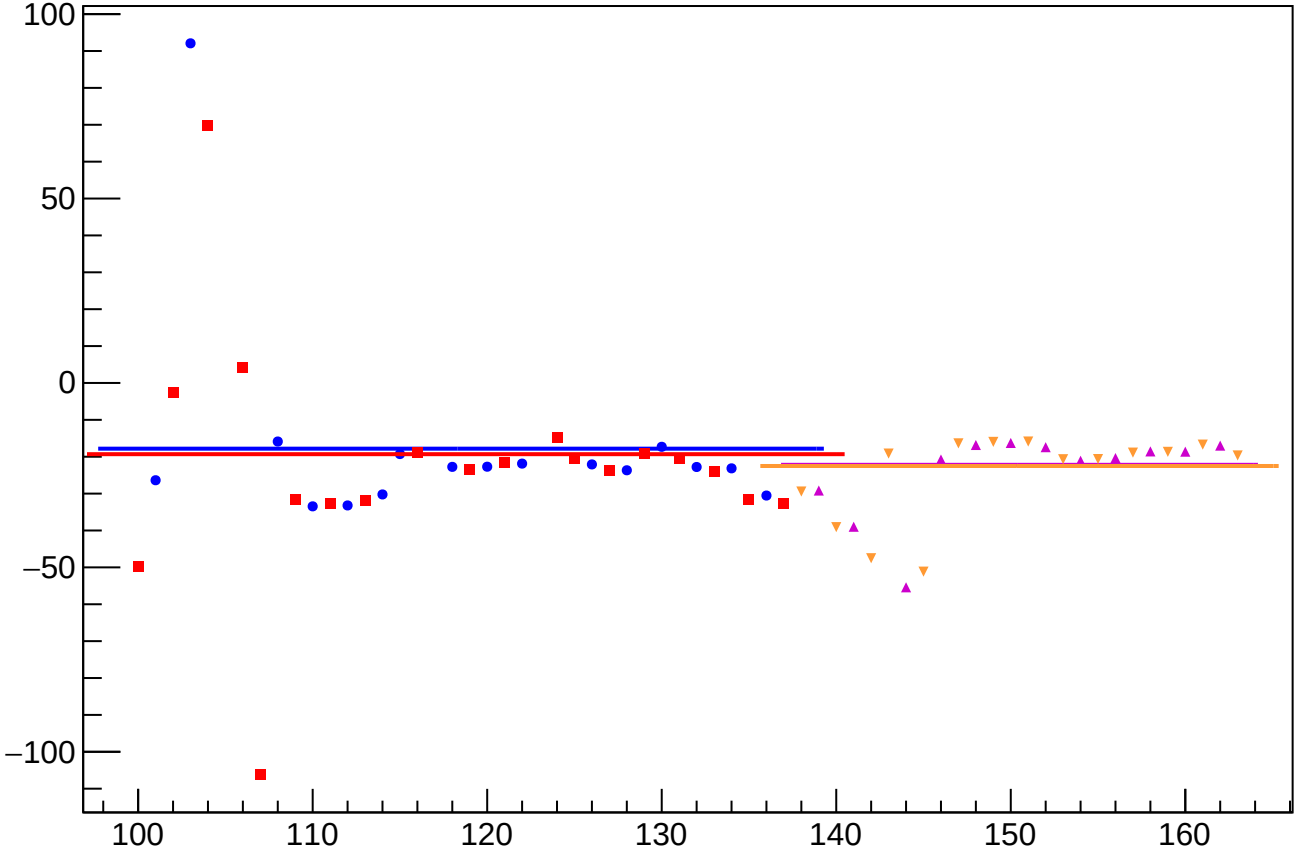
Left In: -14.847+/-0.497 χ^2/NDF:441.1/11

\+ sign -21.052+/-0.391 χ^2/NDF: 1755.5/29

All: -21.715+/-0.282 χ^2/NDF: 3432.7/60

\- sign -22.435+/-0.408 χ^2/NDF: 1671.2/30

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.513+/-0.022 χ^2/NDF:183385.7/13

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

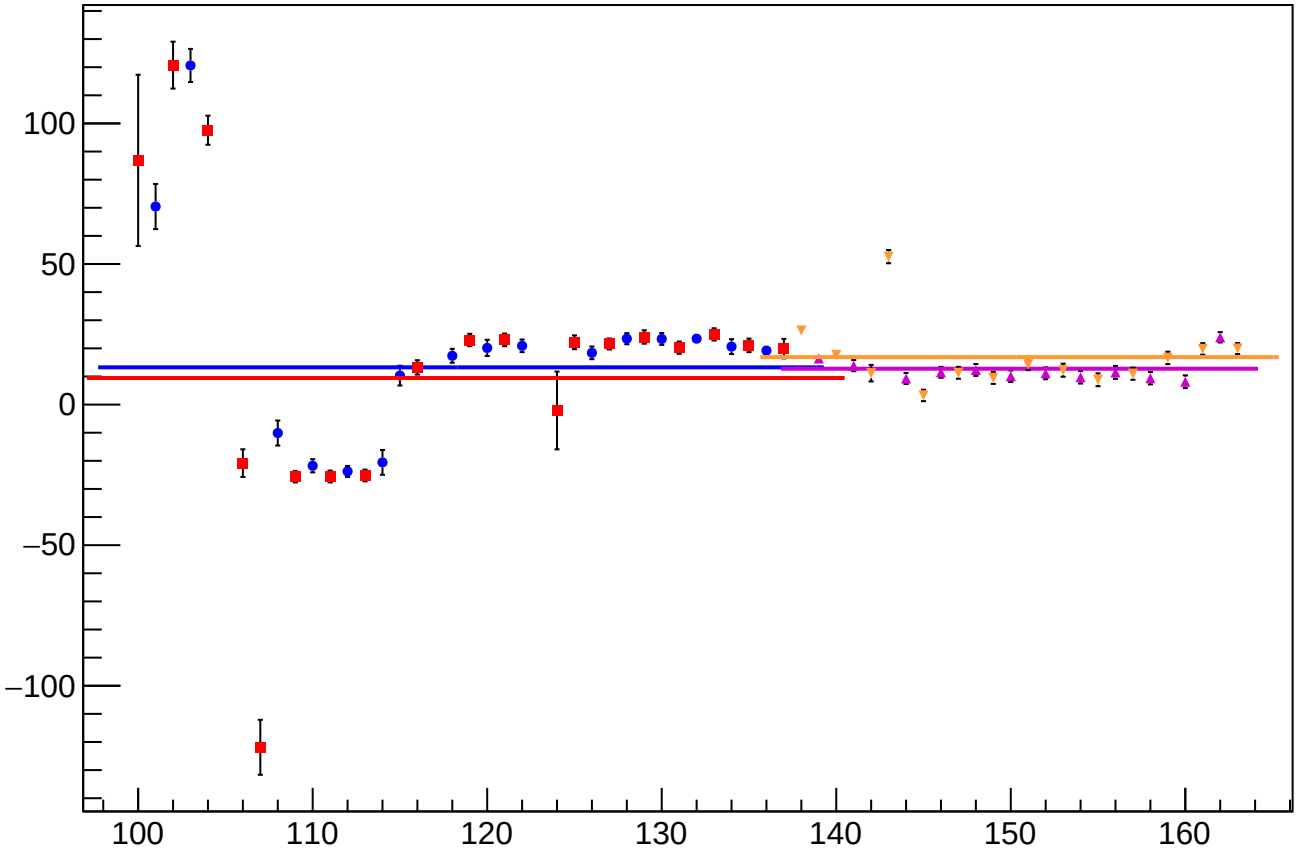
Left In: -22.197+/-0.022 χ^2/NDF:154972.6/11

+ sign -21.555+/-0.020 χ^2/NDF: 618883.3/29

All: -21.598+/-0.014 χ^2/NDF: 1121663.1/60

- sign -21.644+/-0.020 χ^2/NDF: 502769.8/30

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.896+/-0.565 χ^2/NDF:354.6/13

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

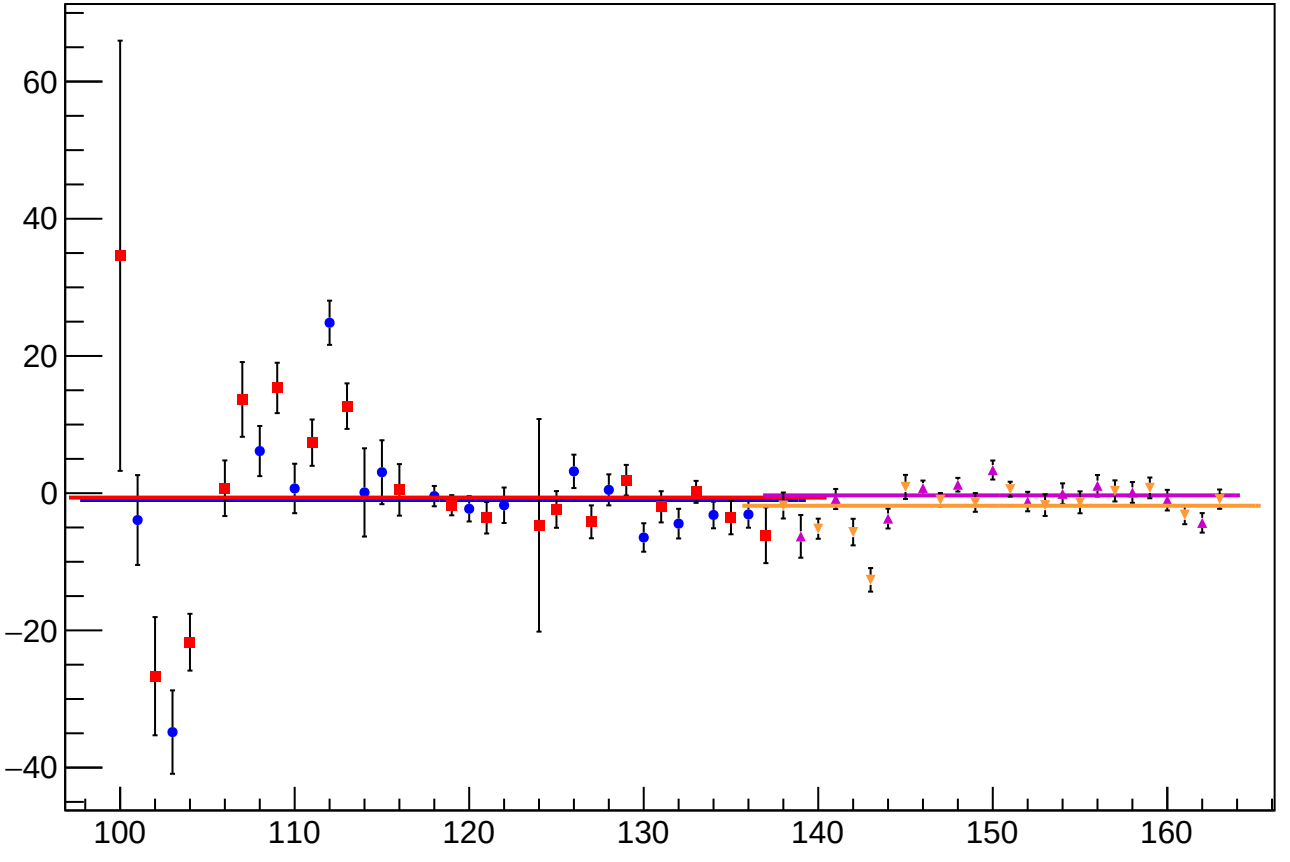
Left In: 12.761+/-0.589 χ^2/NDF:56.1/11

+ sign 15.228+/-0.416 χ^2/NDF: 1556.2/29

All: 13.249+/-0.297 χ^2/NDF: 3510.4/60

- sign 11.177+/-0.425 χ^2/NDF: 1907.8/30

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.833+/-0.384 χ^2/NDF:63.3/13

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

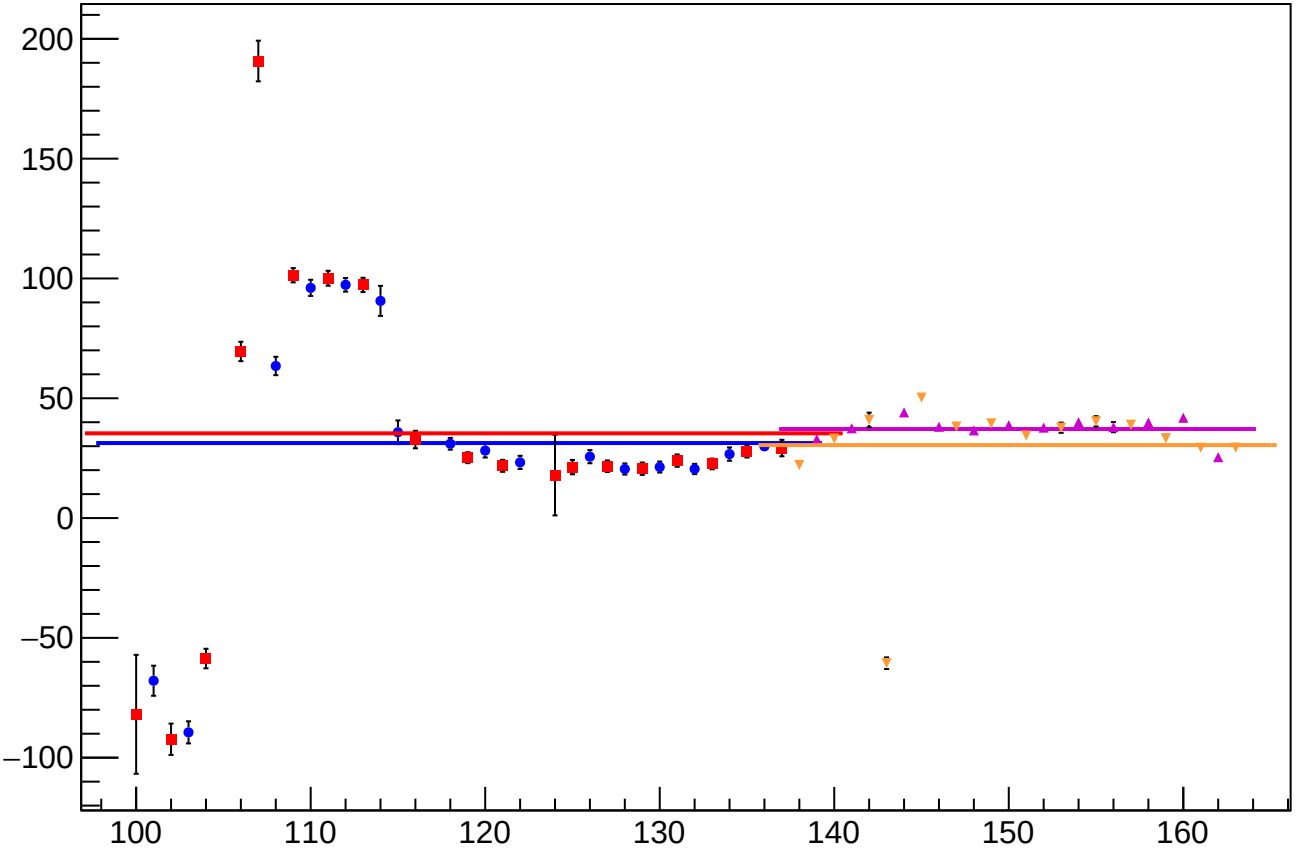
Left In: -0.321+/-0.405 χ^2/NDF:29.2/11

+ sign -1.600+/-0.326 χ^2/NDF: 181.0/29

All: -1.034+/-0.236 χ^2/NDF: 310.9/60

- sign -0.414+/-0.341 χ^2/NDF: 123.6/30

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.454+/-0.548 χ^2/NDF:1625.6/13

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

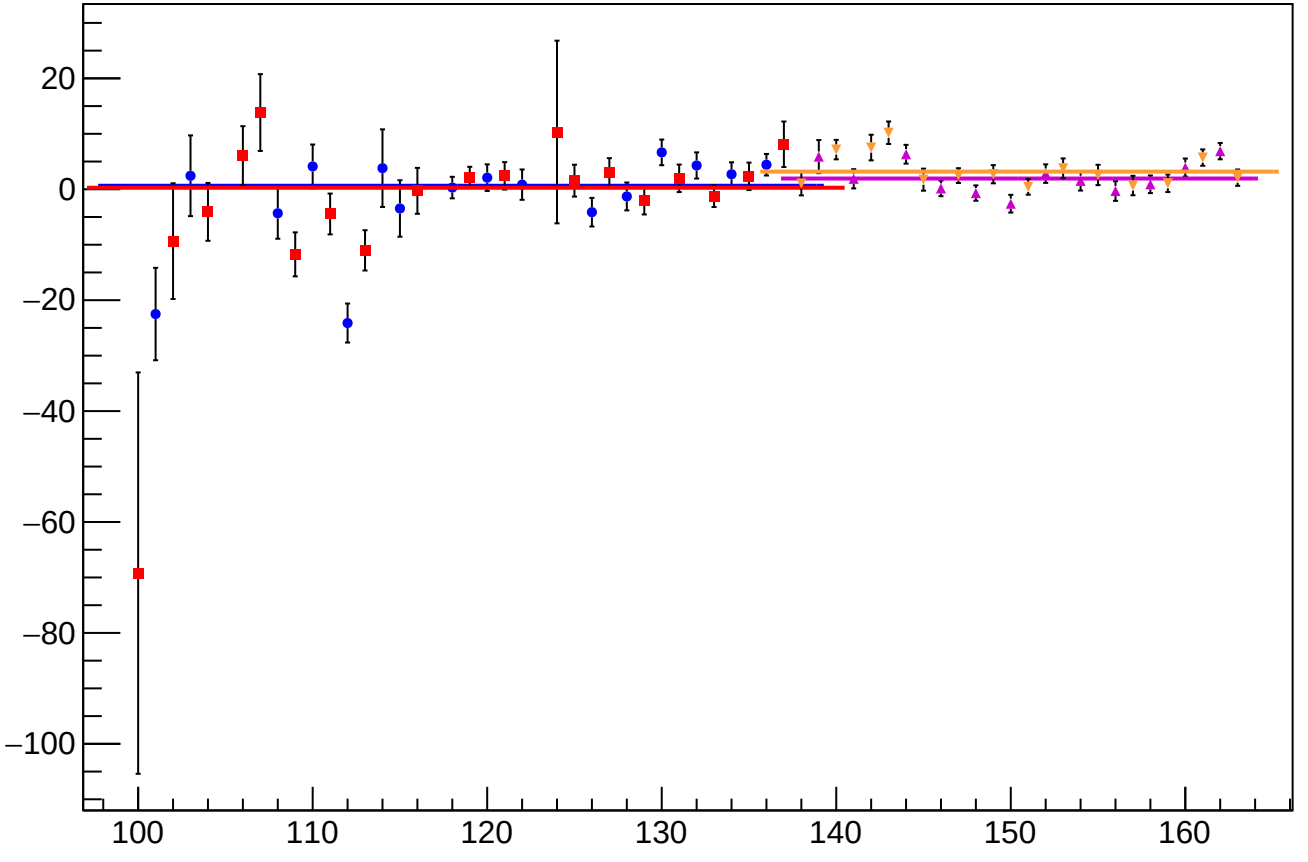
Left In: 37.162+/-0.568 χ^2/NDF:71.2/11

+ sign 30.779+/-0.431 χ^2/NDF: 3712.4/29

All: 33.533+/-0.310 χ^2/NDF: 6769.3/60

- sign 36.469+/-0.445 χ^2/NDF: 2972.8/30

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.187+/-0.451 χ^2/NDF:33.9/13

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

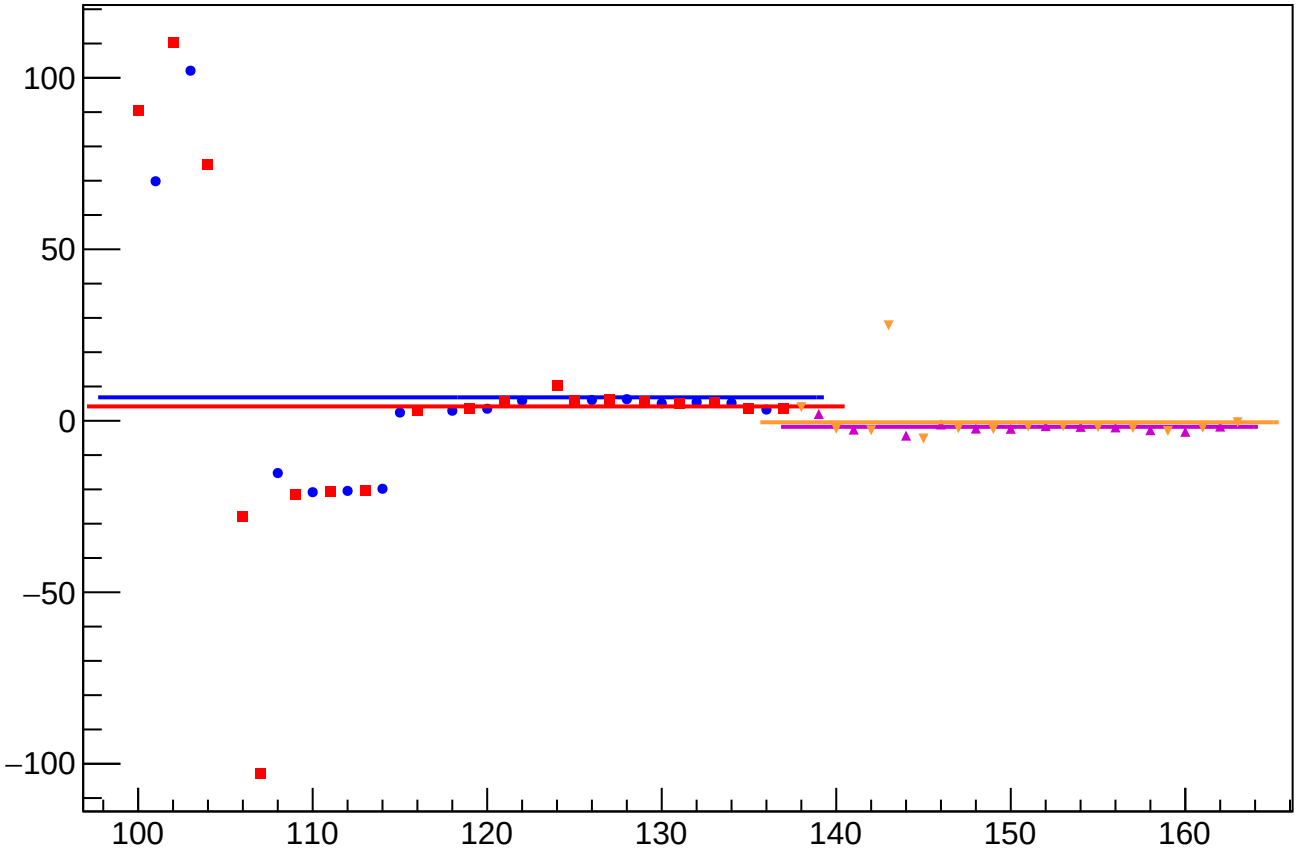
Left In: 1.936+/-0.474 χ^2/NDF:36.7/11

+ sign 2.445+/-0.380 χ^2/NDF: 121.6/29

All: 1.965+/-0.274 χ^2/NDF: 205.9/60

- sign 1.439+/-0.397 χ^2/NDF: 80.9/30

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.437+/-0.021 χ^2/NDF:90786.1/13

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

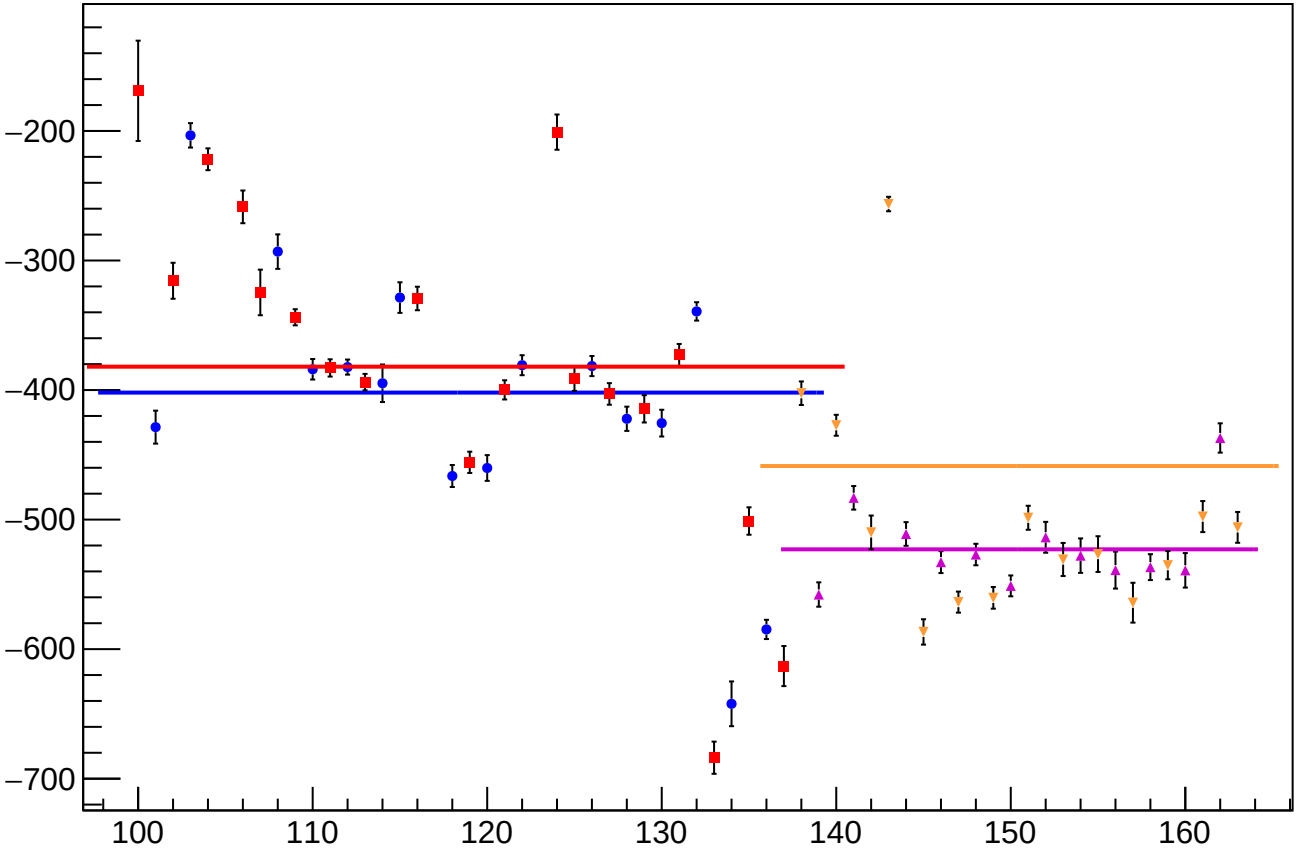
Left In: -1.763+/-0.021 χ^2/NDF:5066.9/11

+ sign 0.938+/-0.019 χ^2/NDF: 435122.4/29

All: 0.137+/-0.013 χ^2/NDF: 892230.6/60

- sign -0.726+/-0.019 χ^2/NDF: 453266.5/30

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -458.642+/-2.541 χ^2/NDF:2062.8/13

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

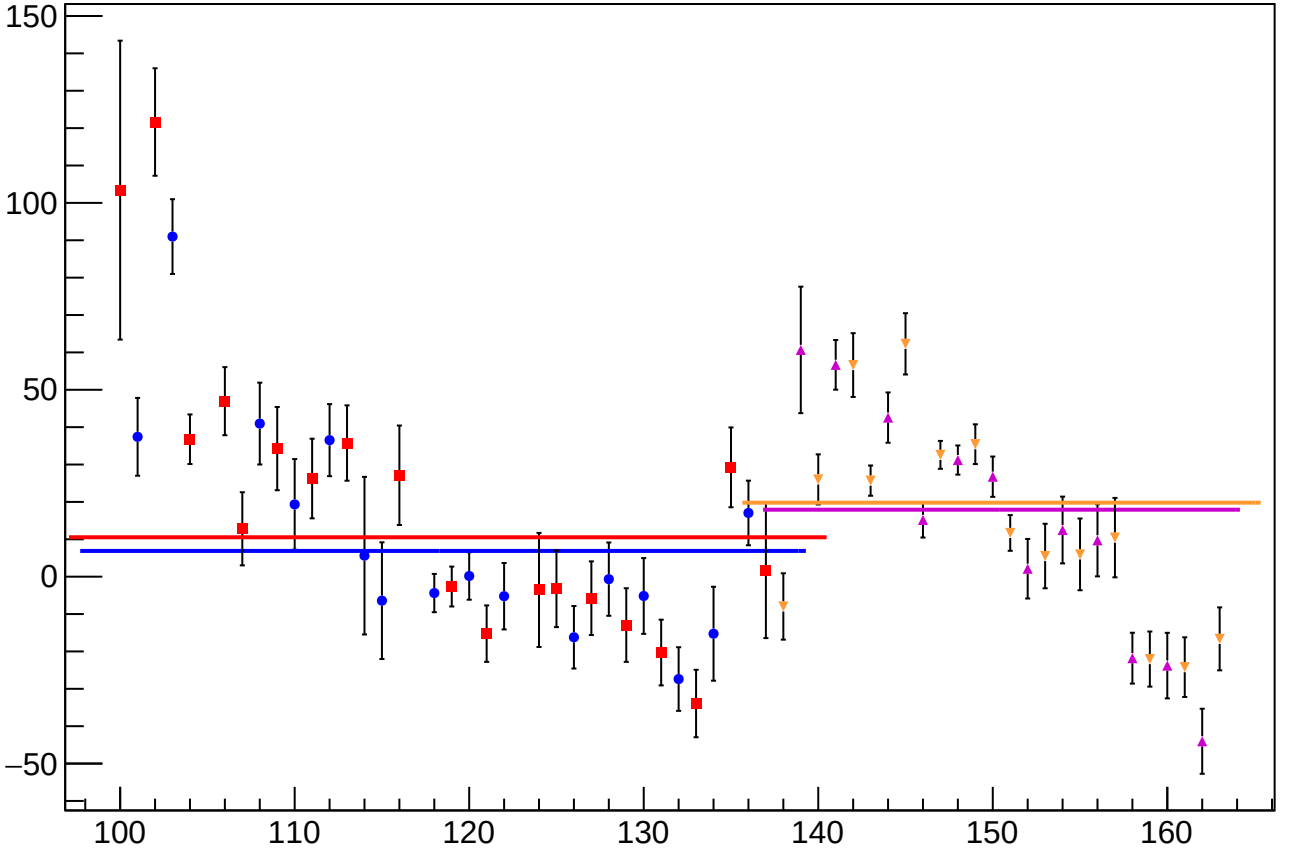
Left In: -522.963+/-2.882 χ^2/NDF:111.5/11

+ sign -426.700+/-1.679 χ^2/NDF: 3906.5/29

All: -429.104+/-1.198 χ^2/NDF: 7391.1/60

- sign -431.599+/-1.710 χ^2/NDF: 3480.4/30

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 19.798+/-1.674 χ^2/NDF:168.4/13

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

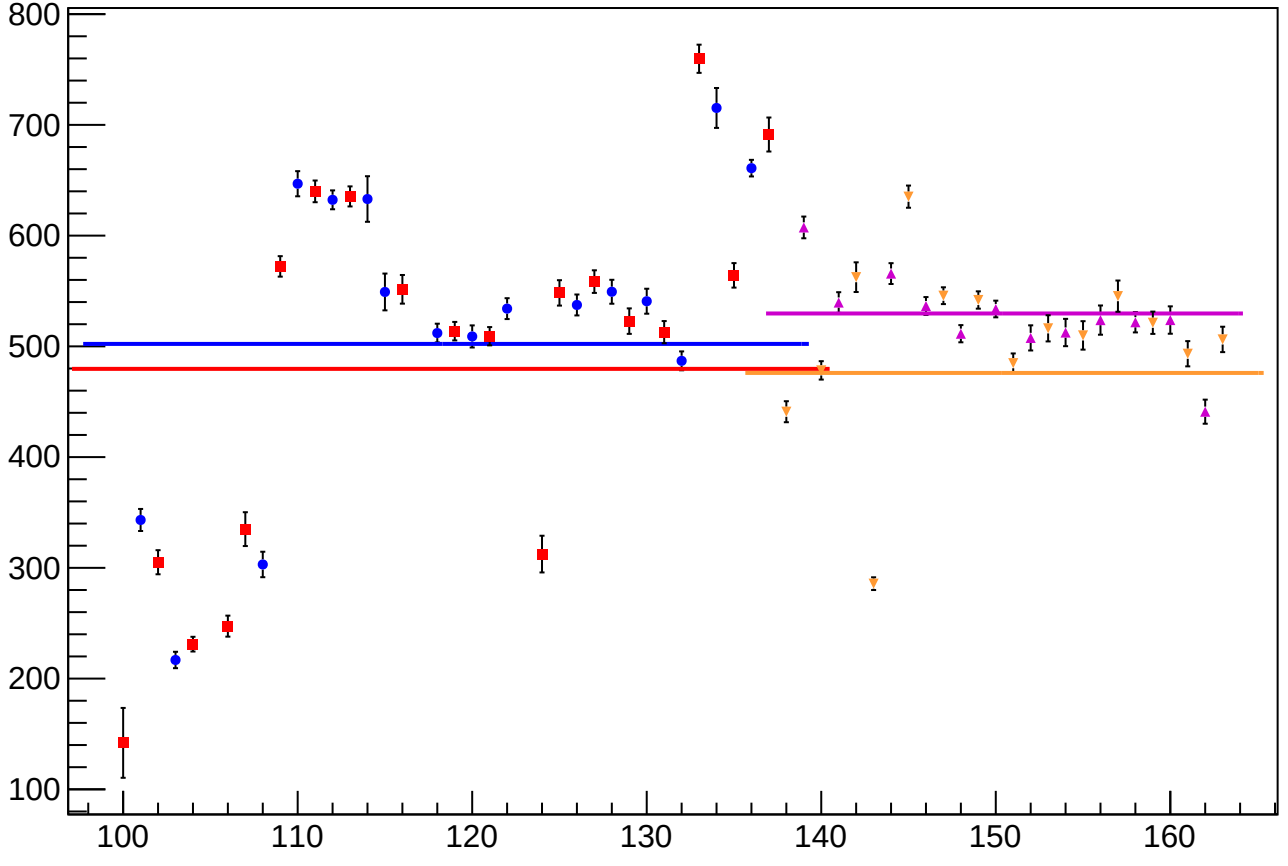
Left In: 17.917+/-1.890 χ^2/NDF:180.8/11

+ sign 15.235+/-1.346 χ^2/NDF: 327.8/29

All: 15.023+/-0.981 χ^2/NDF: 695.2/60

- sign 14.782+/-1.433 χ^2/NDF: 367.3/30

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 476.003+/-2.488 χ^2/NDF:1633.9/13

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

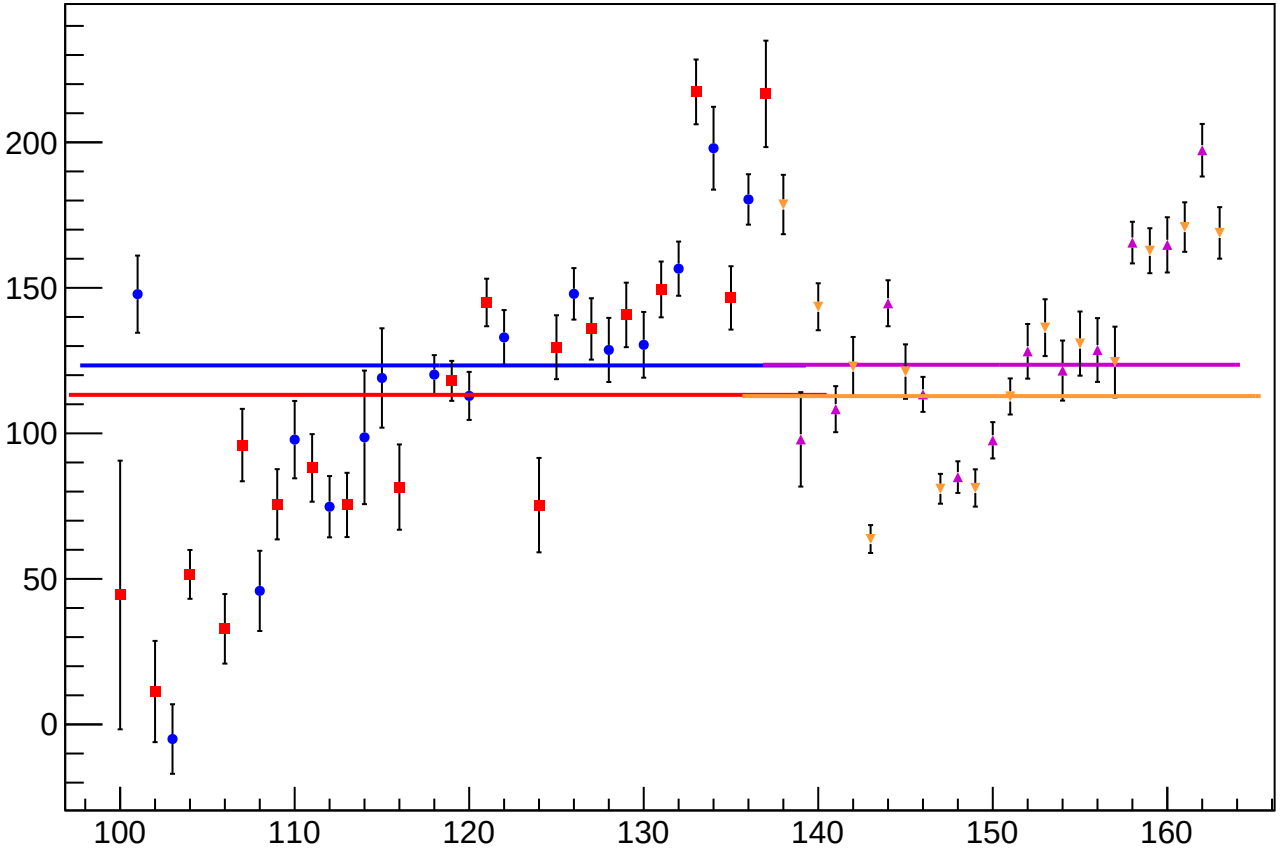
Left In: 529.694+/-2.777 χ^2/NDF:158.5/11

+ sign 489.085+/-1.761 χ^2/NDF: 4824.4/29

All: 494.886+/-1.264 χ^2/NDF: 9329.5/60

- sign 501.052+/-1.816 χ^2/NDF: 4482.7/30

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 112.803+/-2.013 χ^2/NDF:364.0/13

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

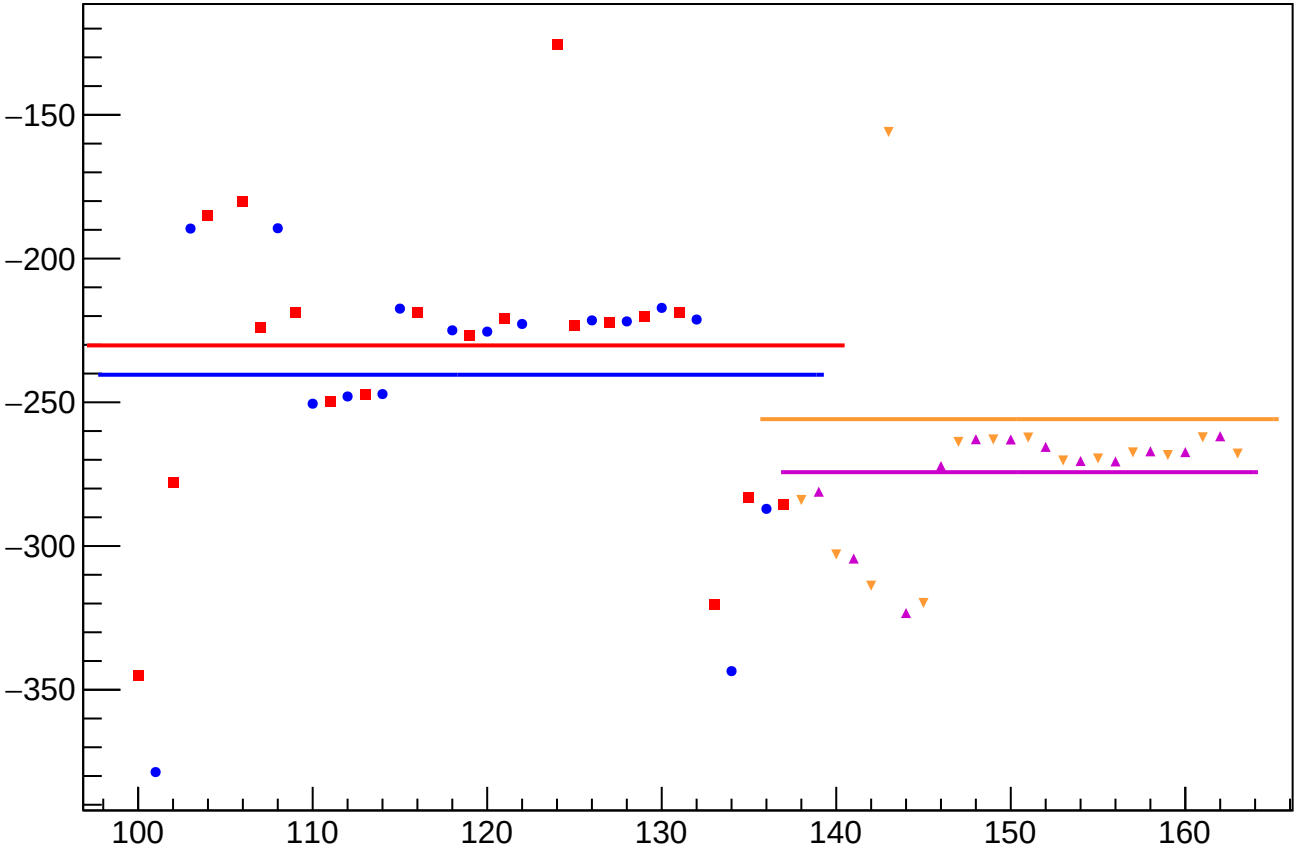
Left In: 123.572+/-2.265 χ^2/NDF:204.4/11

\+ sign 116.702+/-1.598 χ^2/NDF: 645.5/29

All: 117.787+/-1.162 χ^2/NDF: 1205.8/60

\- sign 119.004+/-1.692 χ^2/NDF: 559.4/30

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.859+/-0.098 χ^2/NDF:239460.2/13

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

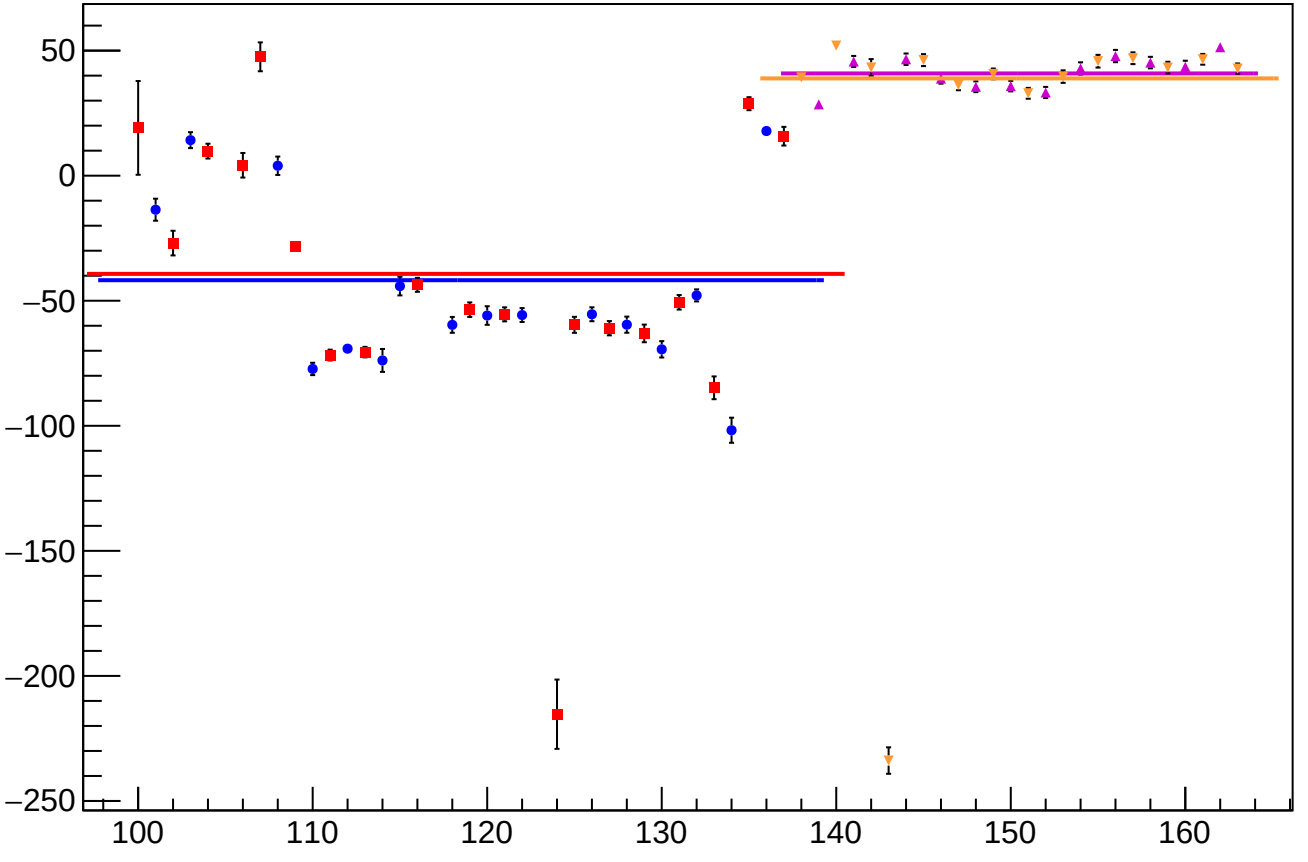
Left In: -274.306+/-0.106 χ^2/NDF:25188.7/11

+ sign -251.258+/-0.082 χ^2/NDF: 380999.0/29

All: -254.979+/-0.059 χ^2/NDF: 553215.7/60

- sign -259.064+/-0.086 χ^2/NDF: 167917.6/30

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.890+/-0.621 χ^2/NDF:2762.7/13

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

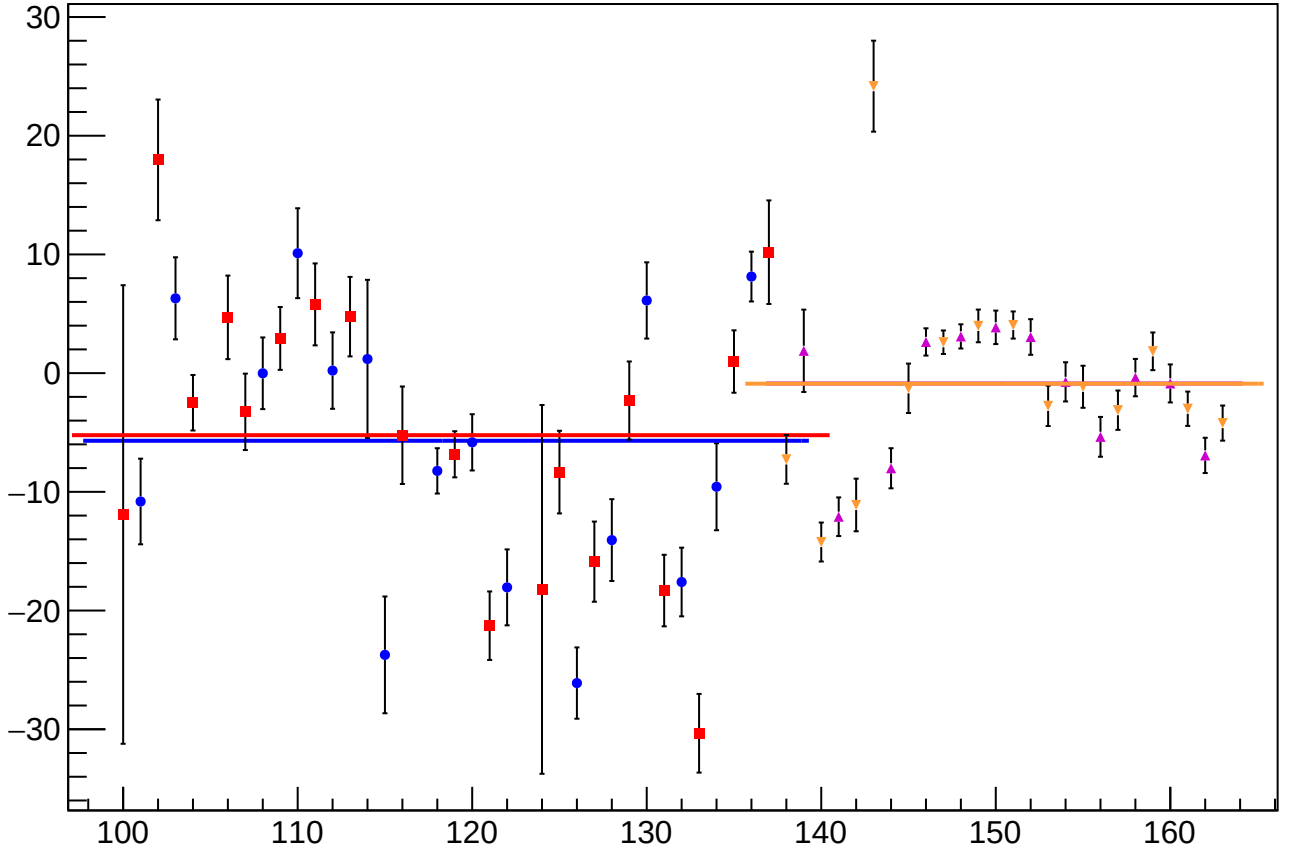
Left In: 40.878+/-0.631 χ^2/NDF:119.8/11

+ sign 4.640+/-0.471 χ^2/NDF: 12331.4/29

All: 4.190+/-0.330 χ^2/NDF: 22395.0/60

- sign 3.755+/-0.463 χ^2/NDF: 10061.8/30

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.888+/-0.416 χ^2/NDF:196.5/13

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

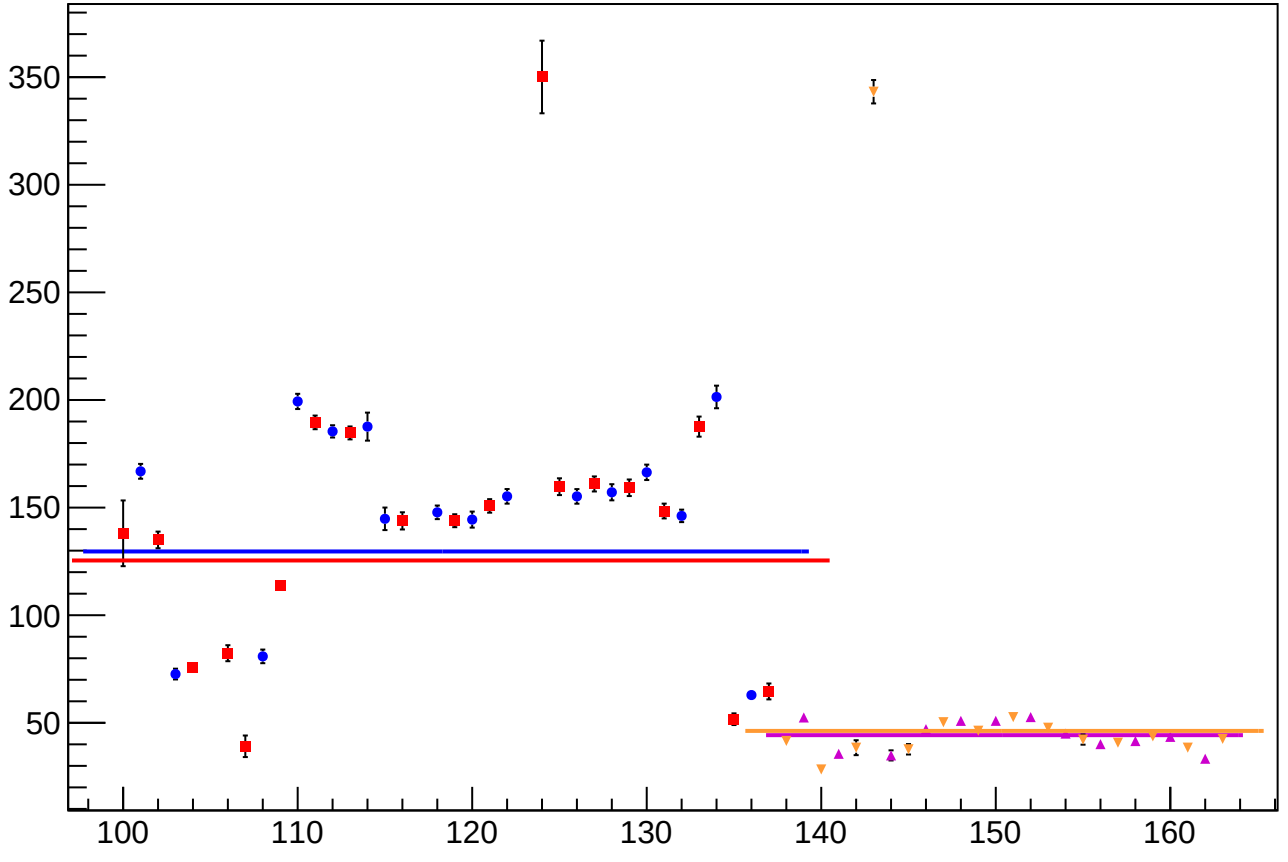
Left In: -0.874+/-0.428 χ^2/NDF:132.4/11

+ sign -2.012+/-0.364 χ^2/NDF: 424.5/29

All: -1.990+/-0.260 χ^2/NDF: 780.2/60

- sign -1.967+/-0.371 χ^2/NDF: 355.7/30

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.245+/-0.600 χ^2/NDF:3125.0/13

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

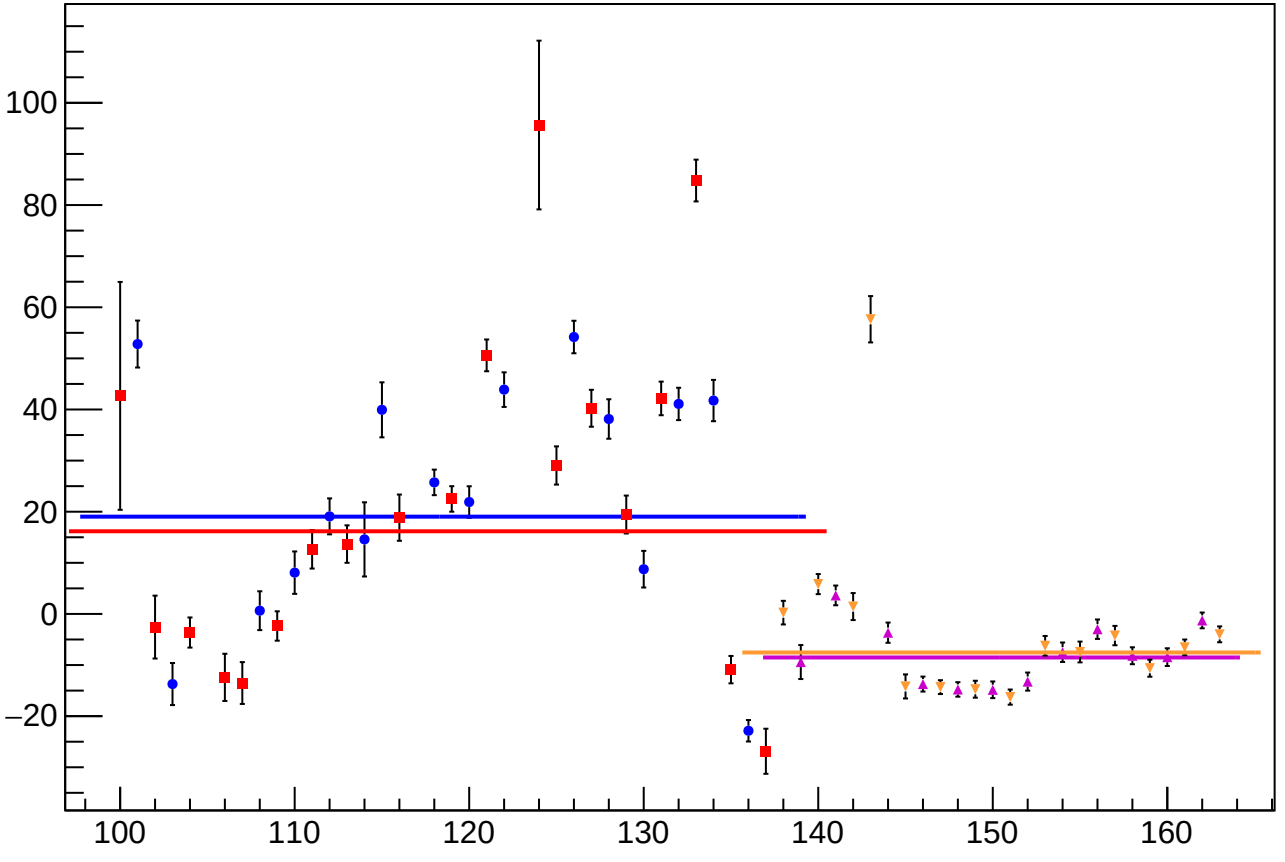
Left In: 44.269+/-0.608 χ^2/NDF:127.5/11

+ sign 76.200+/-0.480 χ^2/NDF: 13697.9/29

All: 75.325+/-0.340 χ^2/NDF: 23970.1/60

- sign 74.444+/-0.482 χ^2/NDF: 10265.5/30

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.543+/-0.490 χ^2/NDF:375.1/13

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

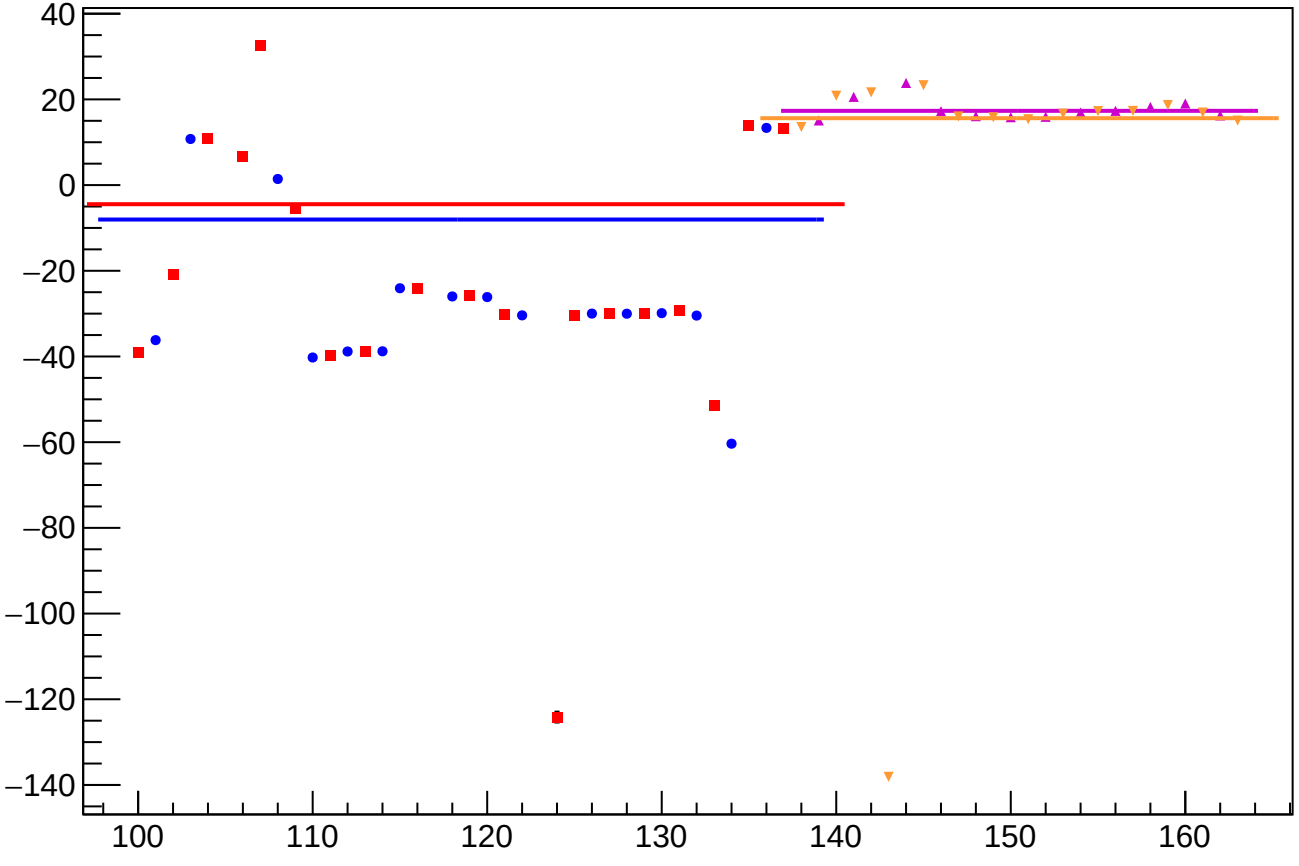
Left In: -8.519+/-0.503 χ^2/NDF:130.8/11

+ sign -1.037+/-0.425 χ^2/NDF: 1954.6/29

All: -1.541+/-0.303 χ^2/NDF: 3658.7/60

- sign -2.061+/-0.433 χ^2/NDF: 1701.2/30

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.610+/-0.023 χ^2/NDF:476182.7/13

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

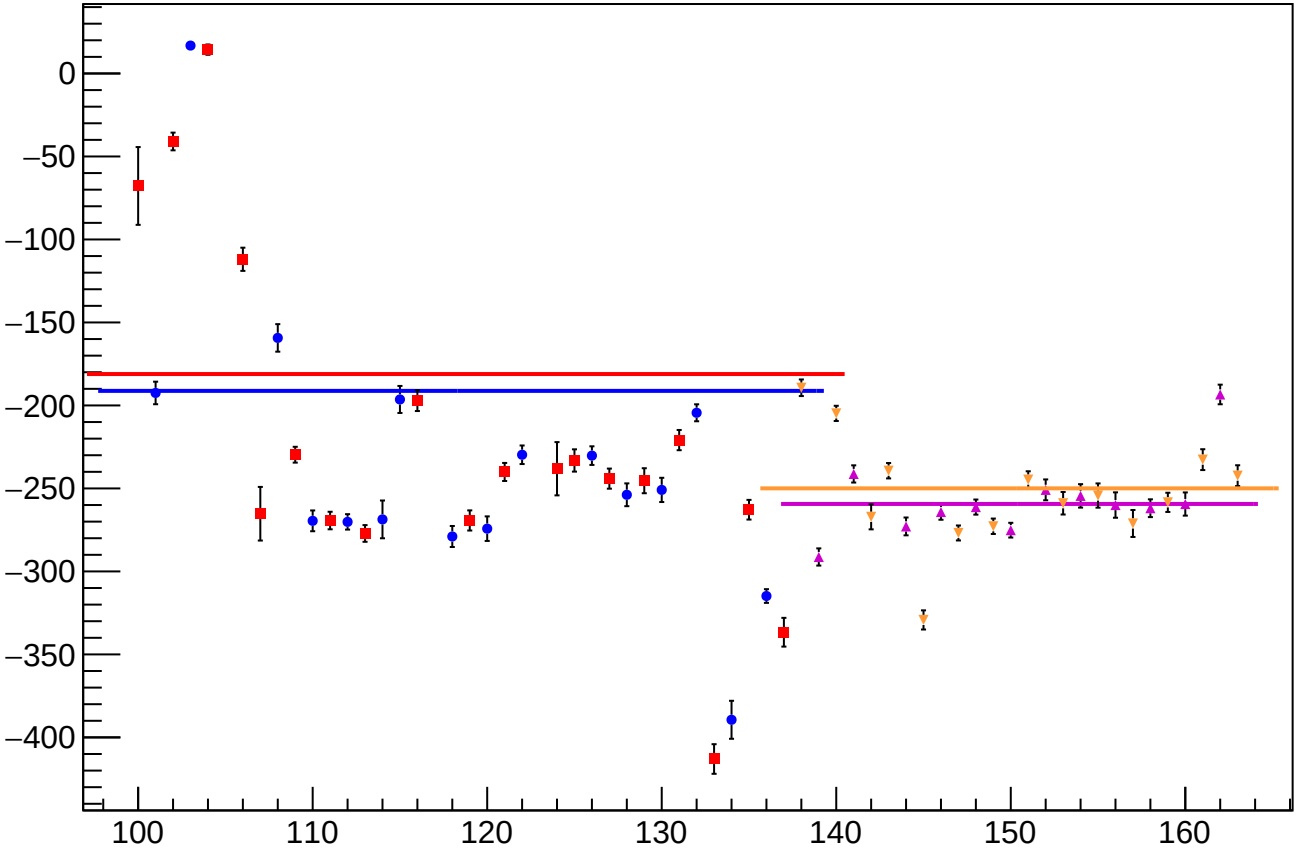
Left In: 17.328+/-0.023 χ^2/NDF:7848.2/11

+ sign 10.993+/-0.020 χ^2/NDF: 958356.1/29

All: 12.074+/-0.014 χ^2/NDF: 1375815.0/60

- sign 13.174+/-0.020 χ^2/NDF: 411712.3/30

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.955+/-1.486 χ^2/NDF:524.3/13

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

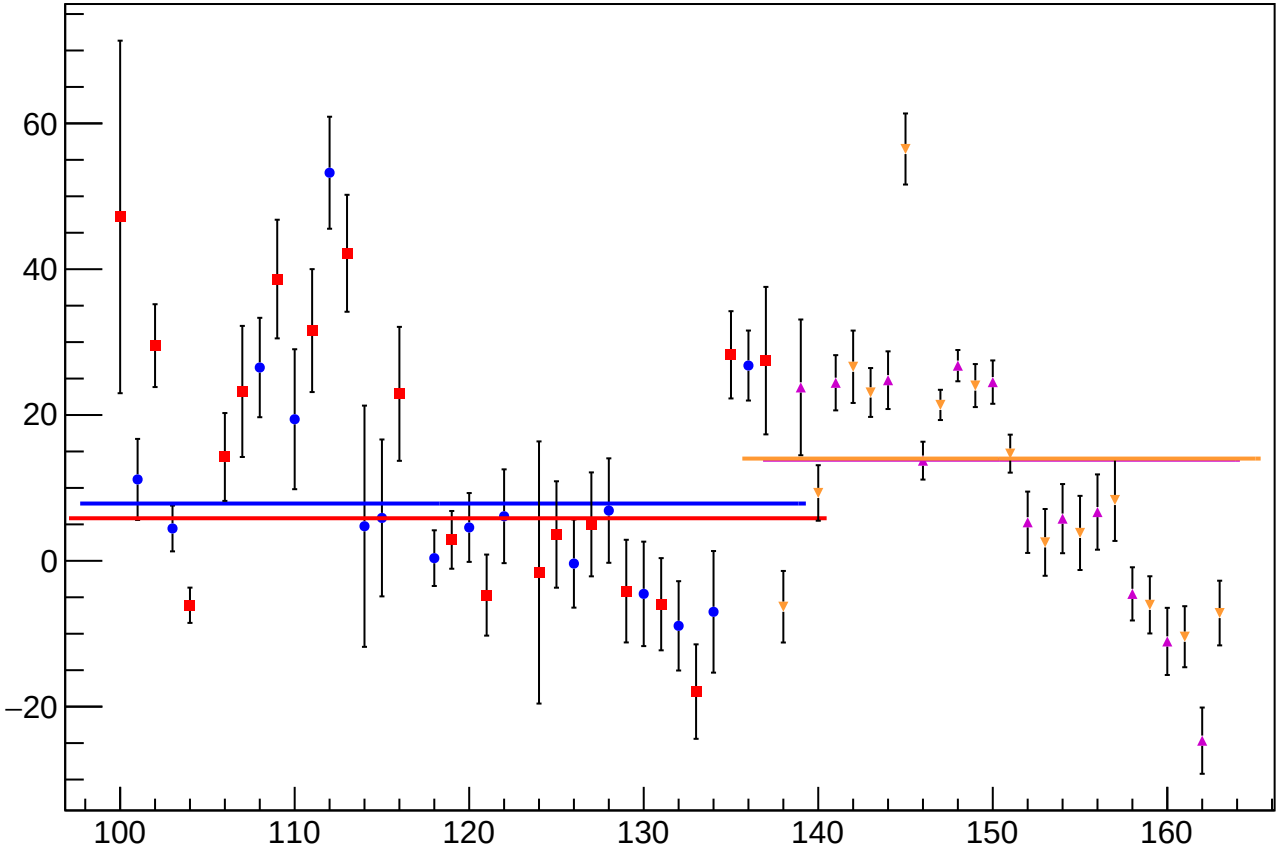
Left In: -259.352+/-1.581 χ^2/NDF:197.7/11

\+ sign -219.232+/-1.026 χ^2/NDF: 8566.4/29

All: -217.150+/-0.731 χ^2/NDF: 17535.8/60

\- sign -215.008+/-1.041 χ^2/NDF: 8961.1/30

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 14.025+/-0.968 χ^2/NDF:226.9/13

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

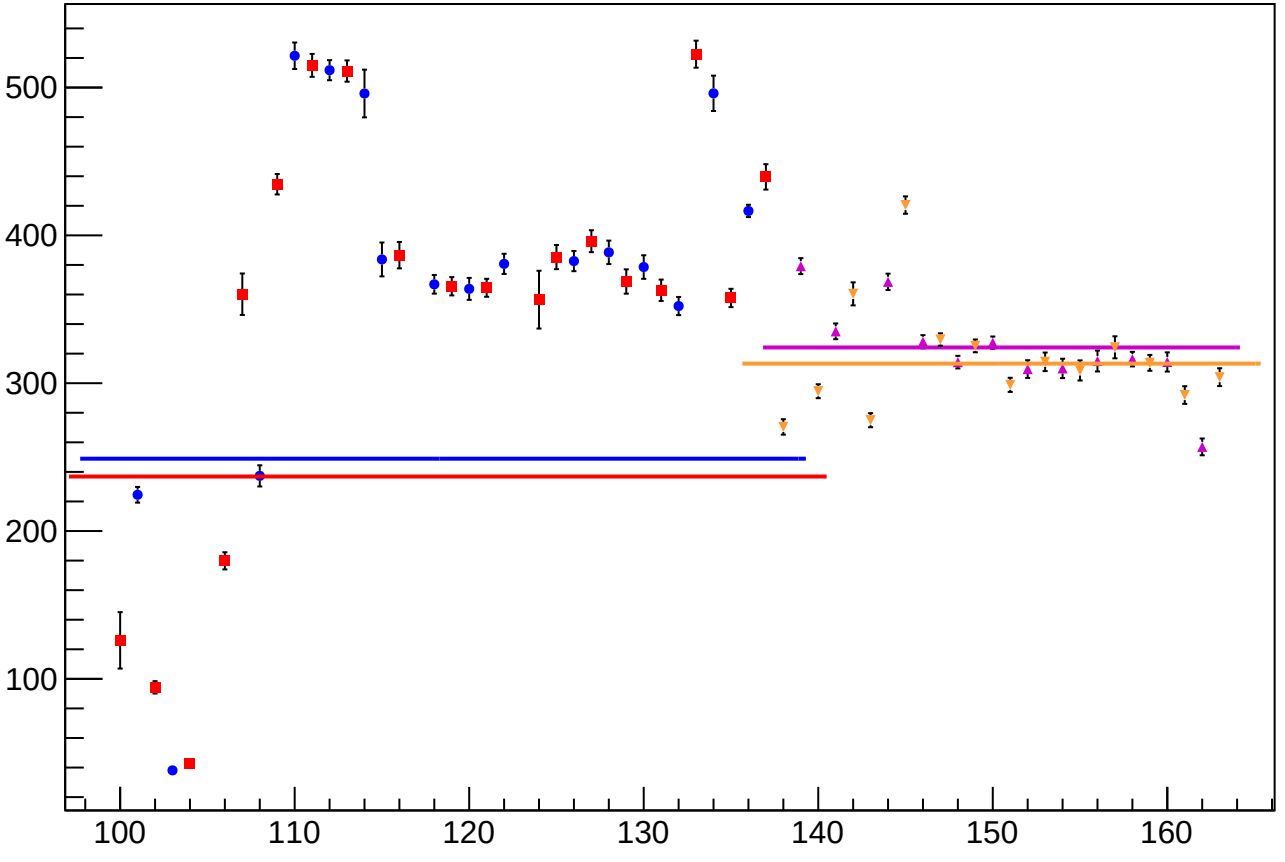
Left In: 13.870+/-1.035 χ^2/NDF:201.2/11

+ sign 12.103+/-0.803 χ^2/NDF: 320.5/29

All: 11.522+/-0.575 χ^2/NDF: 686.7/60

- sign 10.911+/-0.823 χ^2/NDF: 365.2/30

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 313.253+/-1.444 χ^2/NDF:565.8/13

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

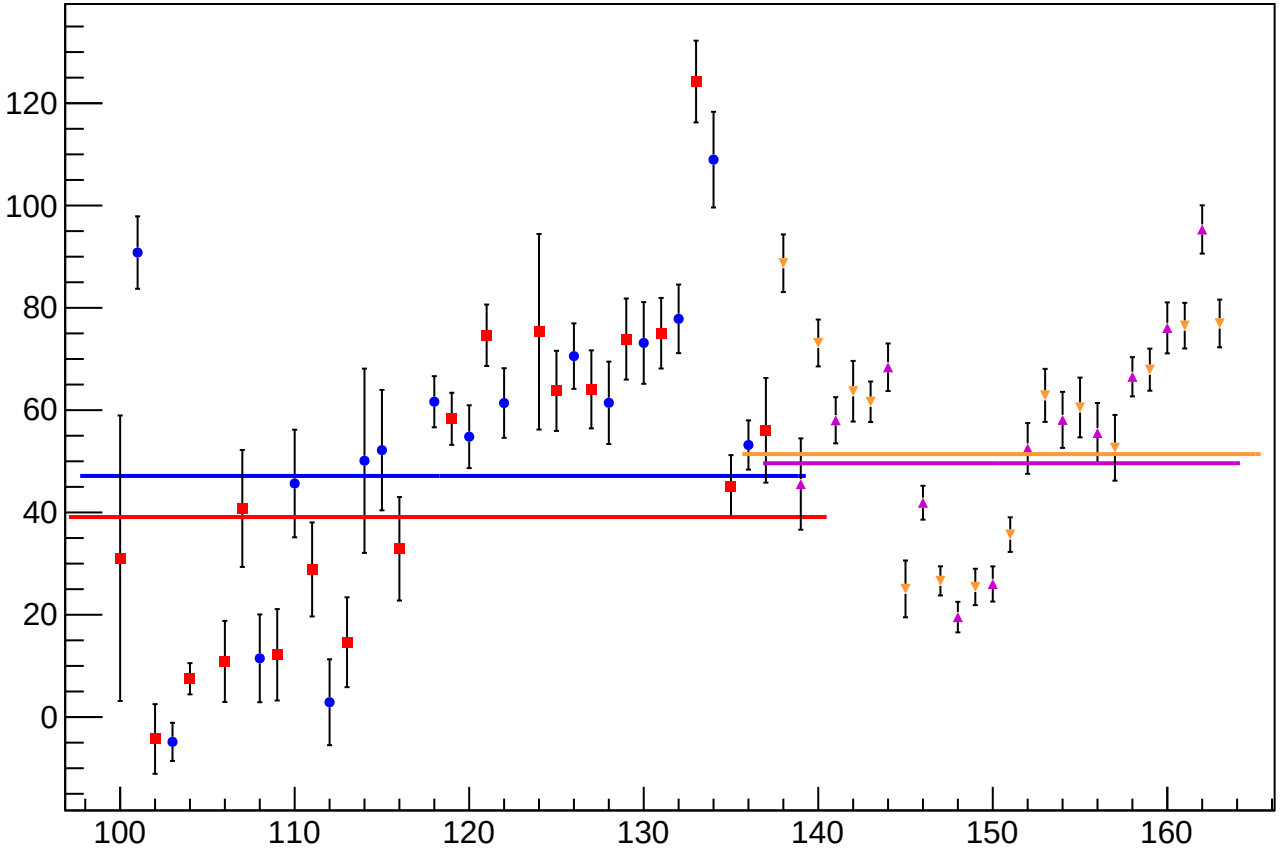
Left In: 324.173+/-1.521 χ^2/NDF:336.6/11

+ sign 280.601+/-1.013 χ^2/NDF: 16875.8/29

All: 278.900+/-0.723 χ^2/NDF: 34651.8/60

- sign 277.133+/-1.033 χ^2/NDF: 17770.3/30

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 51.409+/-1.162 χ^2/NDF:336.0/13

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

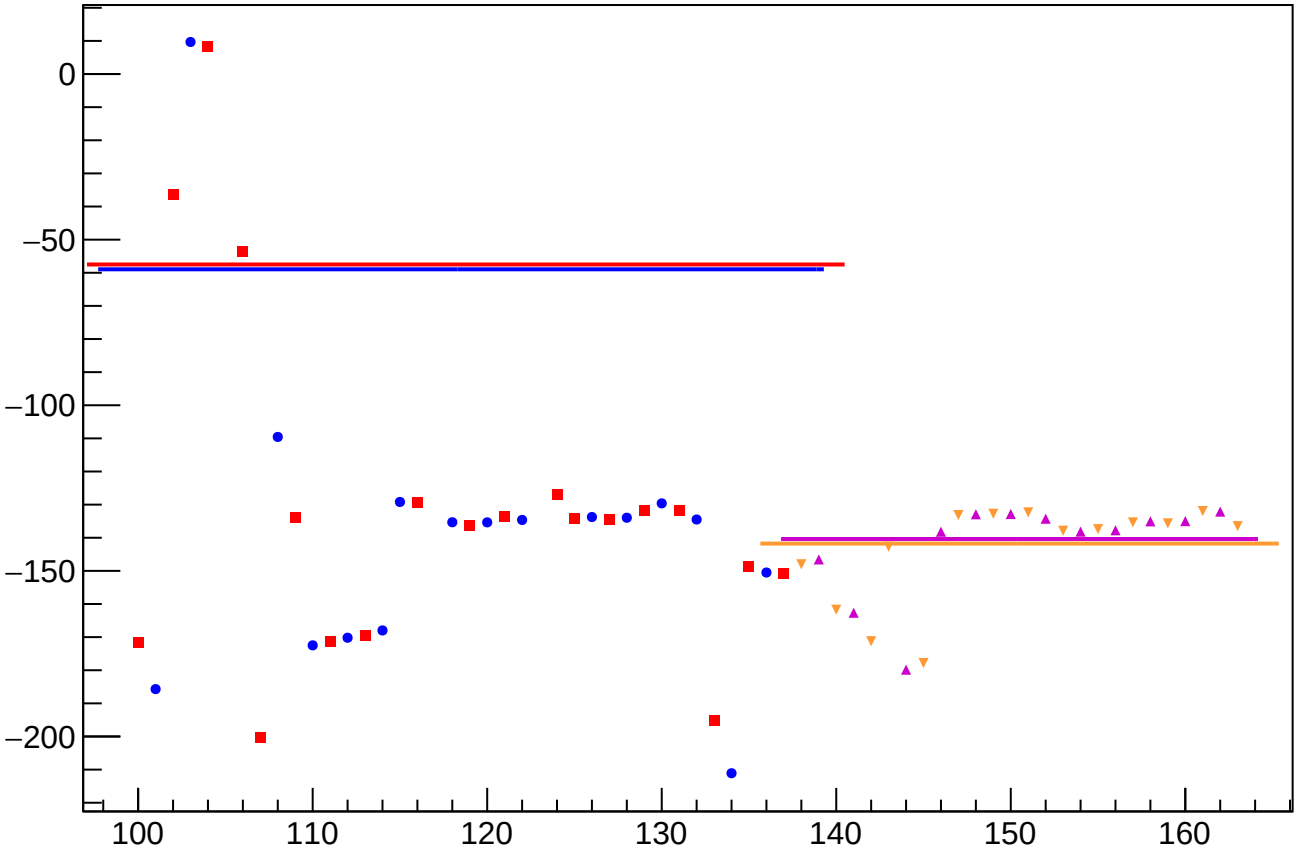
Left In: 49.619+/-1.238 χ^2/NDF:319.3/11

+ sign 50.012+/-0.954 χ^2/NDF: 725.8/29

All: 47.895+/-0.683 χ^2/NDF: 1498.7/60

- sign 45.668+/-0.978 χ^2/NDF: 762.8/30

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -141.761+/-0.056 χ^2/NDF:54635.2/13

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

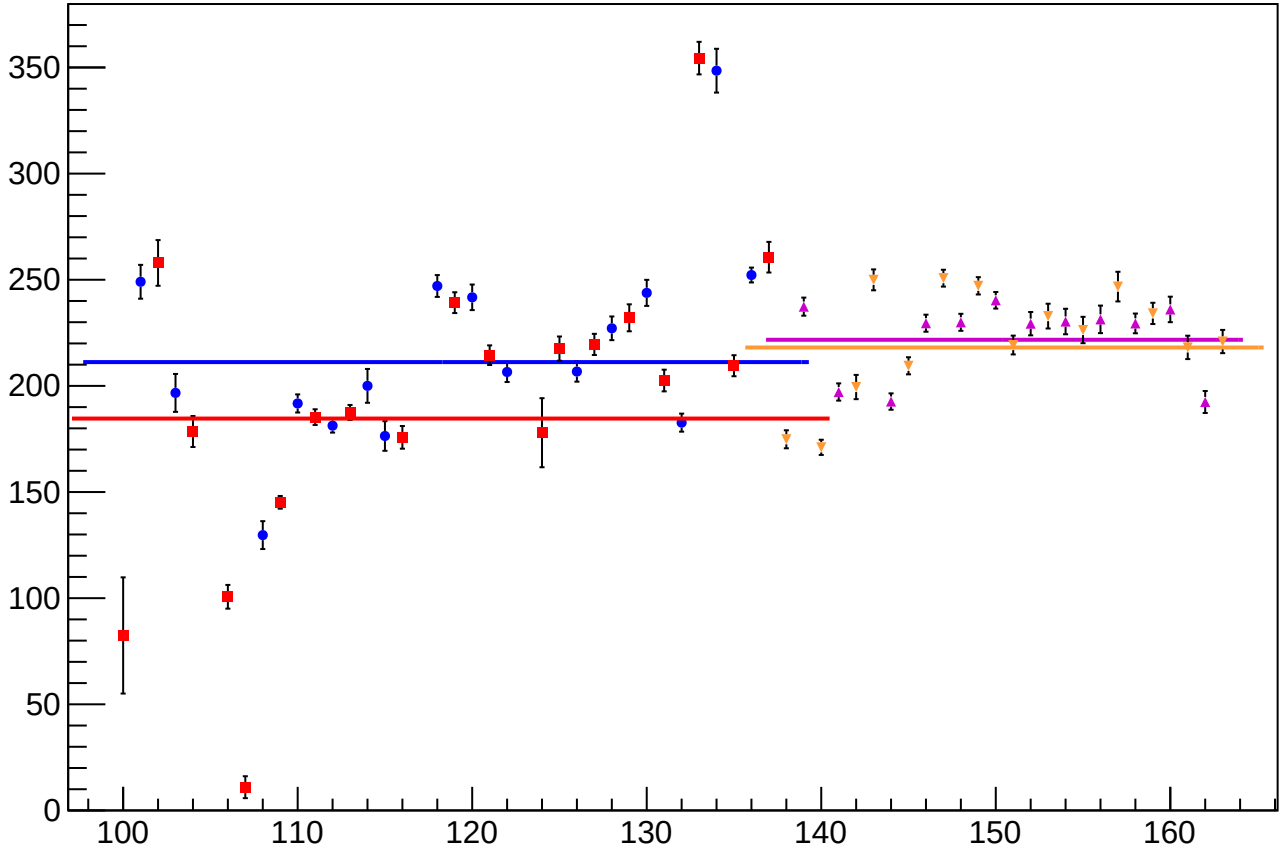
Left In: -140.375+/-0.058 χ^2/NDF:44910.7/11

+ sign -110.689+/-0.044 χ^2/NDF: 2094305.9/29

All: -109.853+/-0.032 χ^2/NDF: 3784795.2/60

- sign -108.969+/-0.046 χ^2/NDF: 1689761.4/30

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 218.084+/-1.267 χ^2/NDF:487.0/13

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

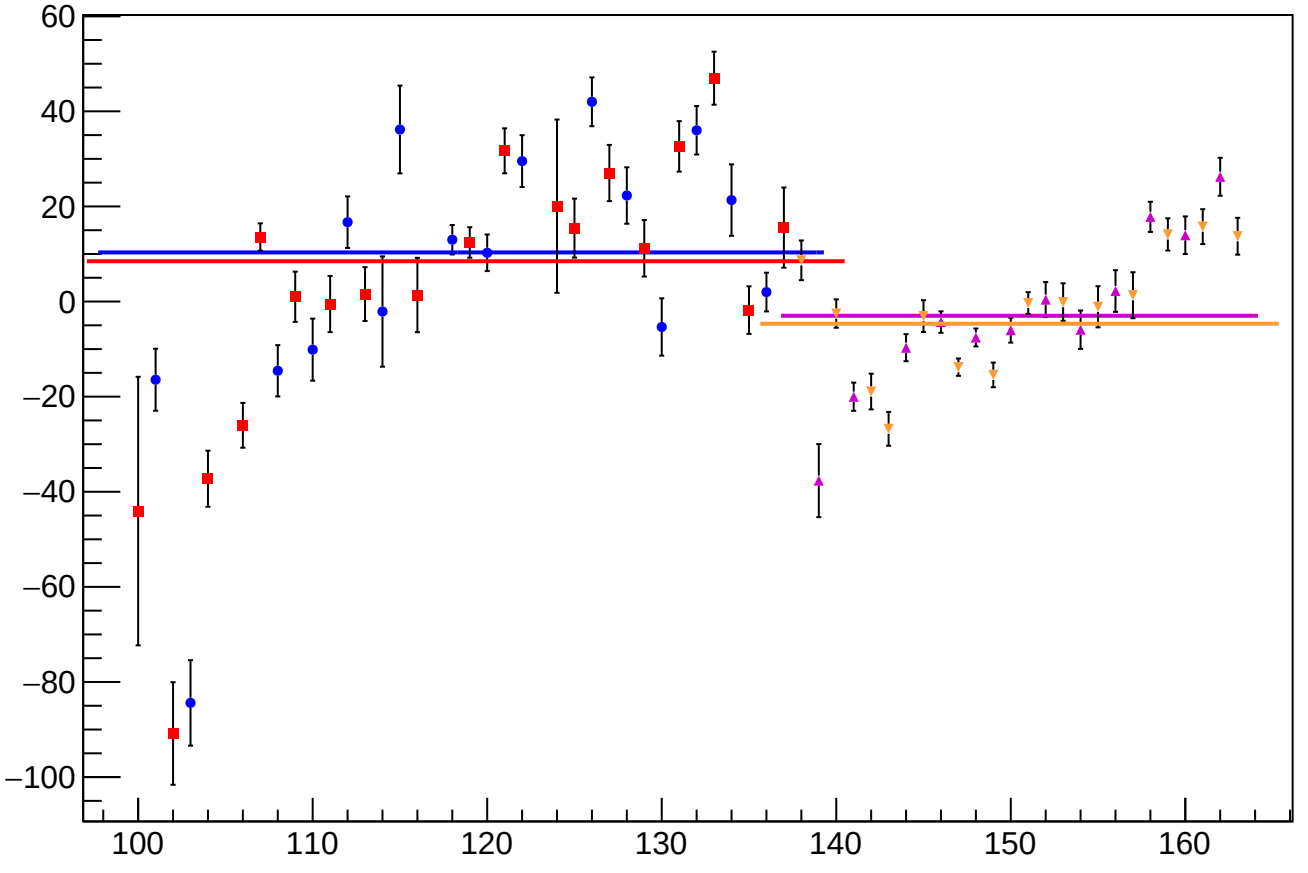
Left In: 221.724+/-1.326 χ^2/NDF:184.5/11

+ sign 214.725+/-0.906 χ^2/NDF: 1284.4/29

All: 207.838+/-0.634 χ^2/NDF: 4555.2/60

- sign 201.232+/-0.887 χ^2/NDF: 3157.5/30

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -4.671+/-0.834 χ^2/NDF:197.4/13

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

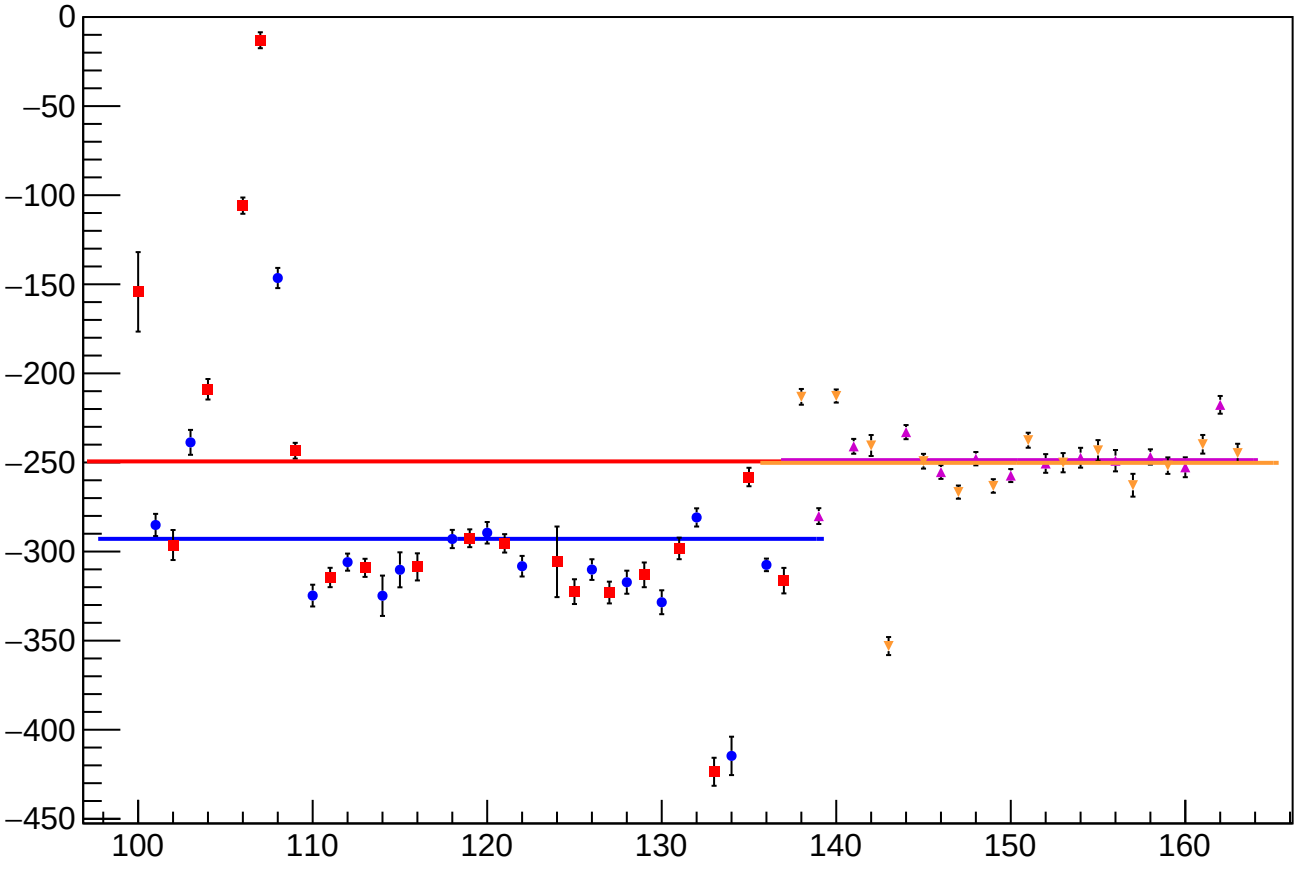
Left In: -2.989+/-0.880 χ^2/NDF:184.2/11

+ sign -0.447+/-0.707 χ^2/NDF: 551.7/29

All: 0.228+/-0.503 χ^2/NDF: 1118.0/60

- sign 0.918+/-0.715 χ^2/NDF: 564.4/30

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.208+/-1.234 χ^2/NDF:639.6/13

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

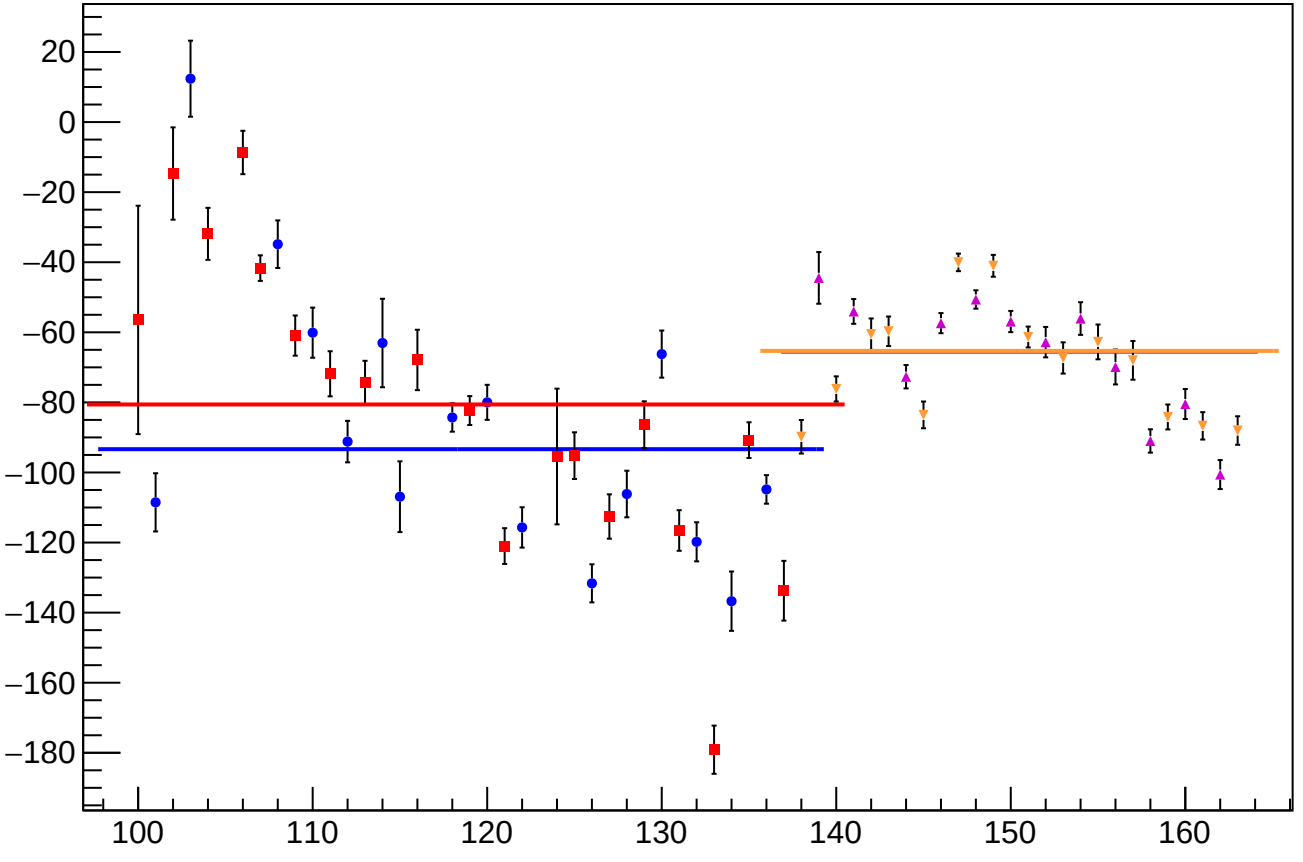
Left In: -248.704+/-1.281 χ^2/NDF:117.7/11

+ sign -267.880+/-0.944 χ^2/NDF: 2118.1/29

All: -258.364+/-0.665 χ^2/NDF: 7805.5/60

- sign -249.032+/-0.935 χ^2/NDF: 5486.3/30

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -65.302+/-1.000 χ^2/NDF:315.1/13

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

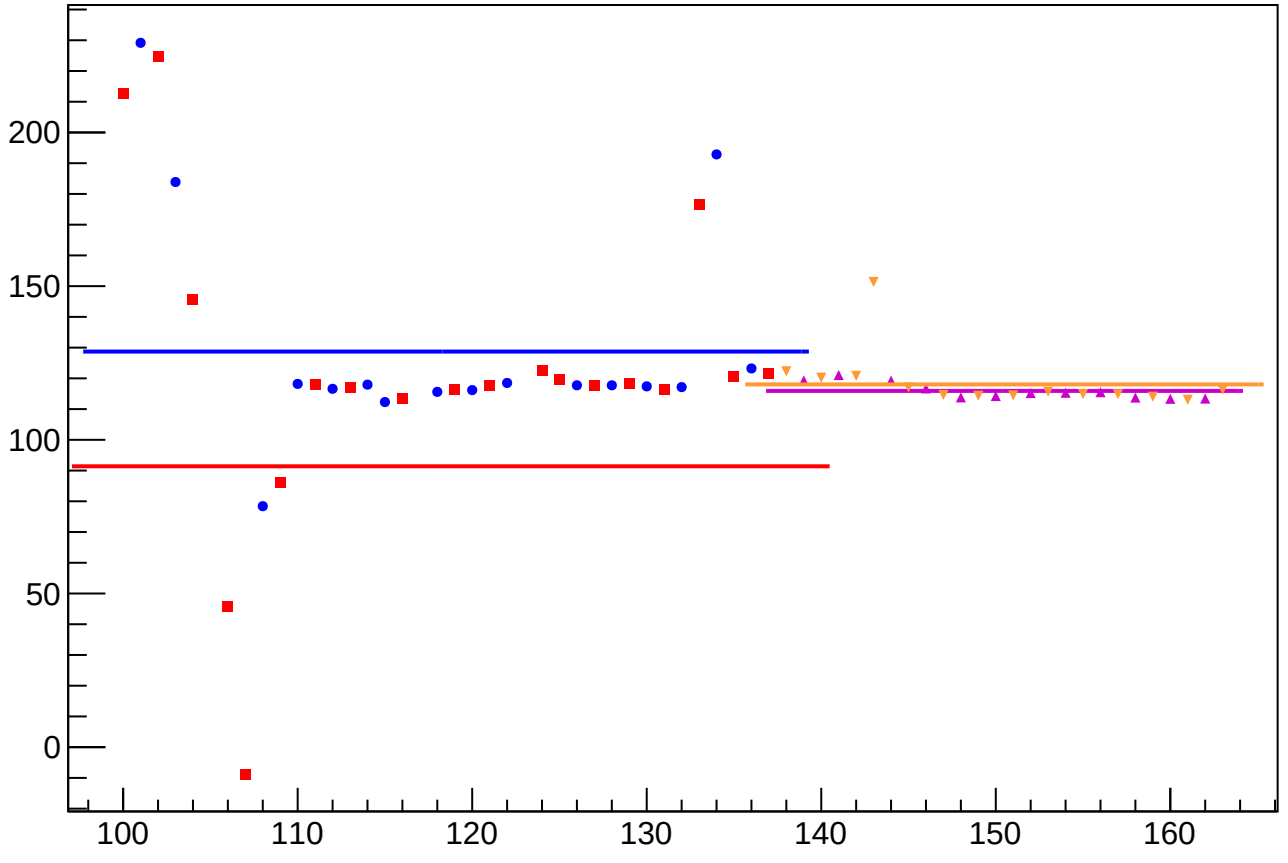
Left In: -65.533+/-1.050 χ^2/NDF:219.5/11

+ sign -73.670+/-0.838 χ^2/NDF: 905.1/29

All: -72.267+/-0.595 χ^2/NDF: 1917.9/60

- sign -70.840+/-0.845 χ^2/NDF: 1007.2/30

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.027+/-0.048 χ^2/NDF:29398.9/13

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

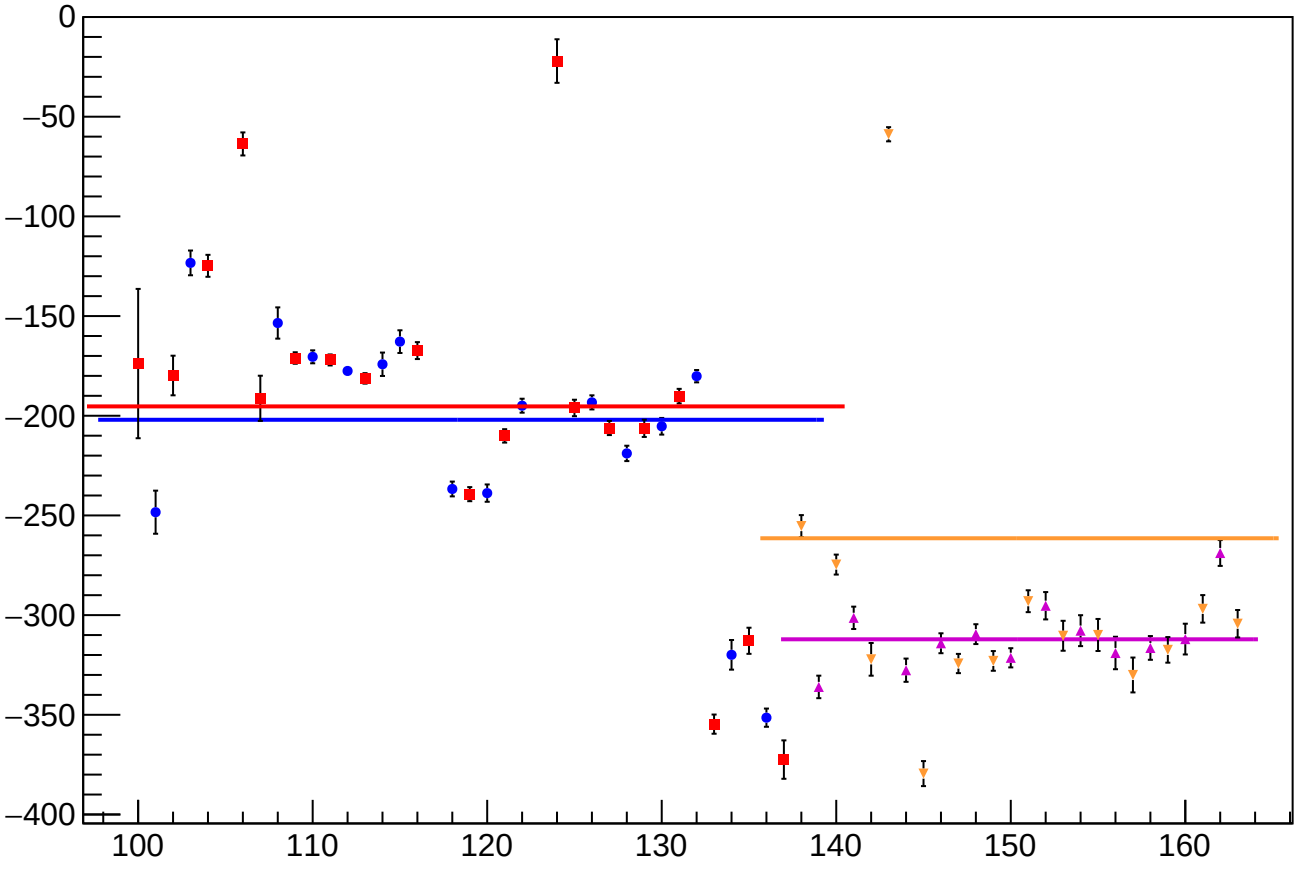
Left In: 115.913+/-0.049 χ^2/NDF:2671.5/11

+ sign 120.439+/-0.042 χ^2/NDF: 224053.9/29

All: 114.677+/-0.030 χ^2/NDF: 937586.6/60

- sign 109.089+/-0.042 χ^2/NDF: 677058.3/30

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.451+/-1.540 χ^2/NDF:4298.6/13

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

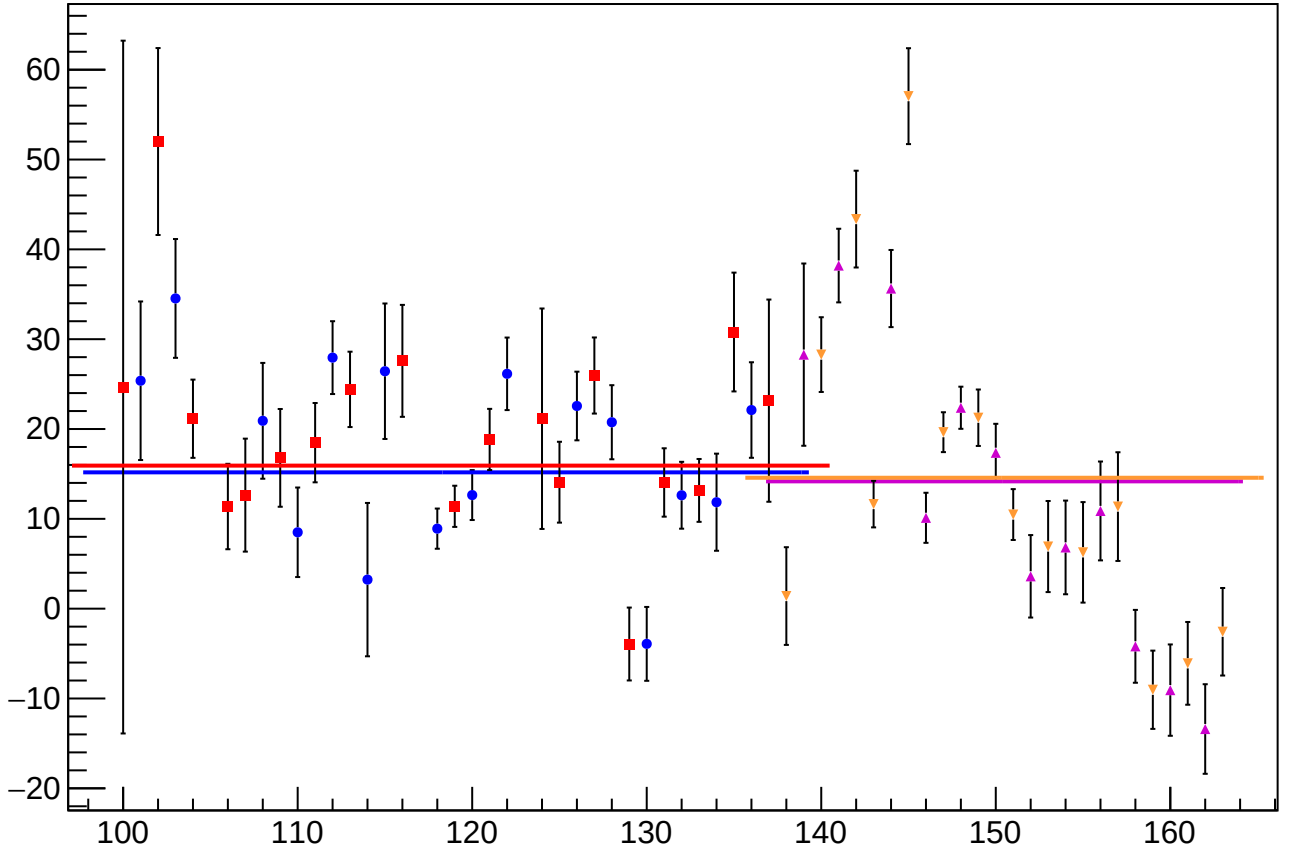
Left In: -312.131+/-1.720 χ^2/NDF:85.0/11

+ sign -220.244+/-0.853 χ^2/NDF: 7371.7/29

All: -221.971+/-0.601 χ^2/NDF: 14058.1/60

- sign -223.678+/-0.848 χ^2/NDF: 6678.2/30

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 14.574+/-1.011 χ^2/NDF:188.4/13

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

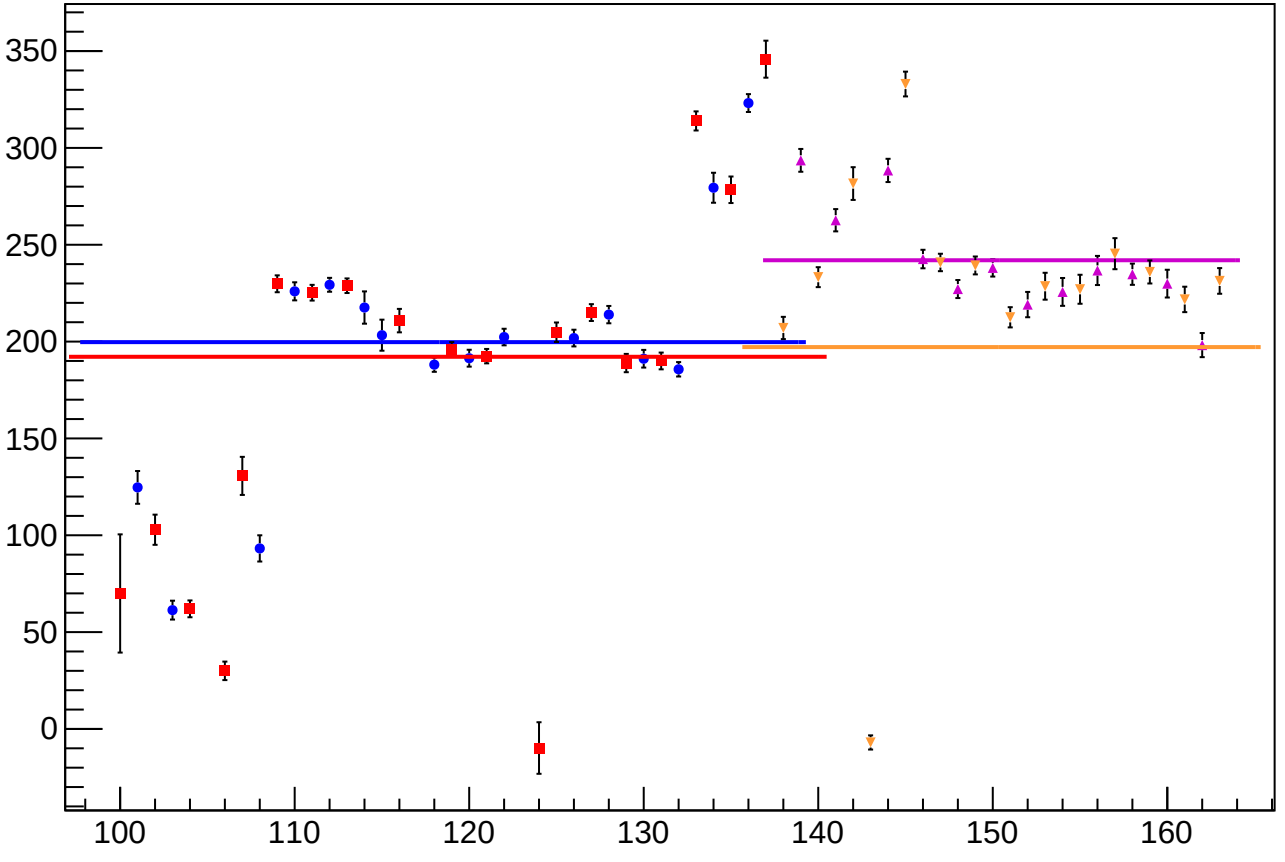
Left In: 14.173+/-1.127 χ^2/NDF:156.2/11

+ sign 14.864+/-0.727 χ^2/NDF: 260.9/29

All: 14.987+/-0.526 χ^2/NDF: 482.0/60

- sign 15.122+/-0.763 χ^2/NDF: 221.1/30

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.162+/-1.503 χ^2/NDF:4055.5/13

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

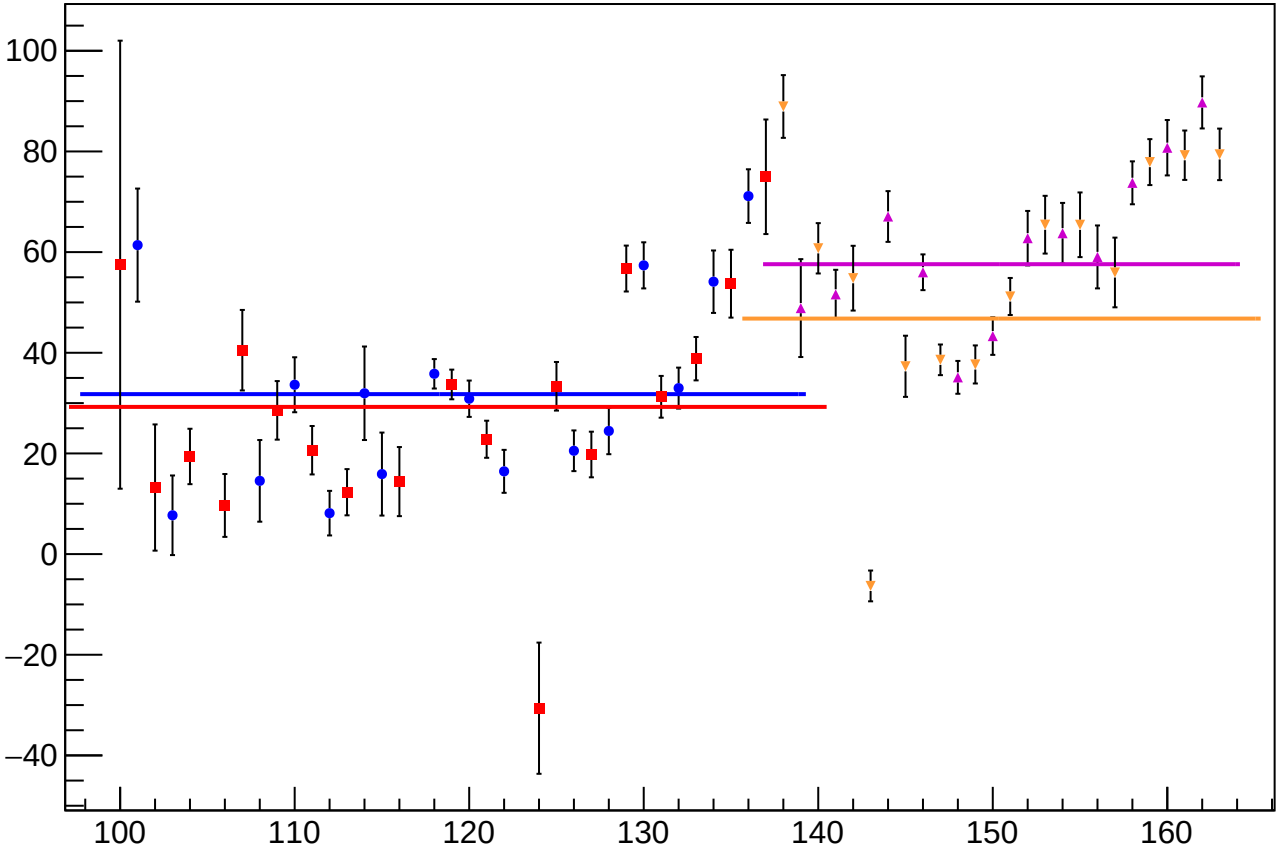
Left In: 241.995+/-1.655 χ^2/NDF:232.2/11

+ sign 198.730+/-0.936 χ^2/NDF: 6158.9/29

All: 203.515+/-0.665 χ^2/NDF: 10832.3/60

- sign 208.391+/-0.945 χ^2/NDF: 4620.6/30

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 46.793+/-1.214 χ^2/NDF:525.1/13

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

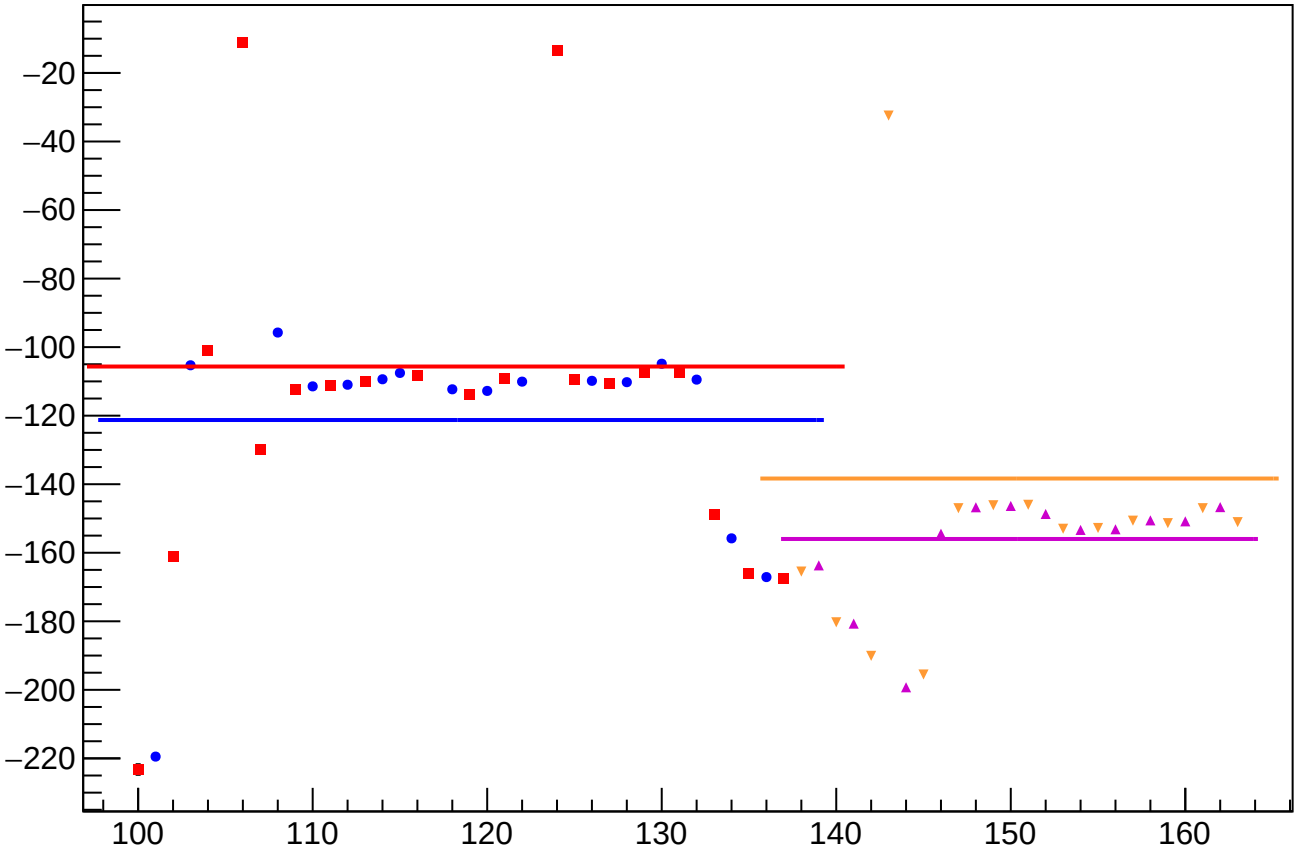
Left In: 57.598+/-1.349 χ^2/NDF:140.9/11

+ sign 39.304+/-0.859 χ^2/NDF: 778.4/29

All: 40.468+/-0.620 χ^2/NDF: 1311.3/60

- sign 41.732+/-0.895 χ^2/NDF: 529.0/30

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.341+/-0.059 χ^2/NDF:628508.1/13

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

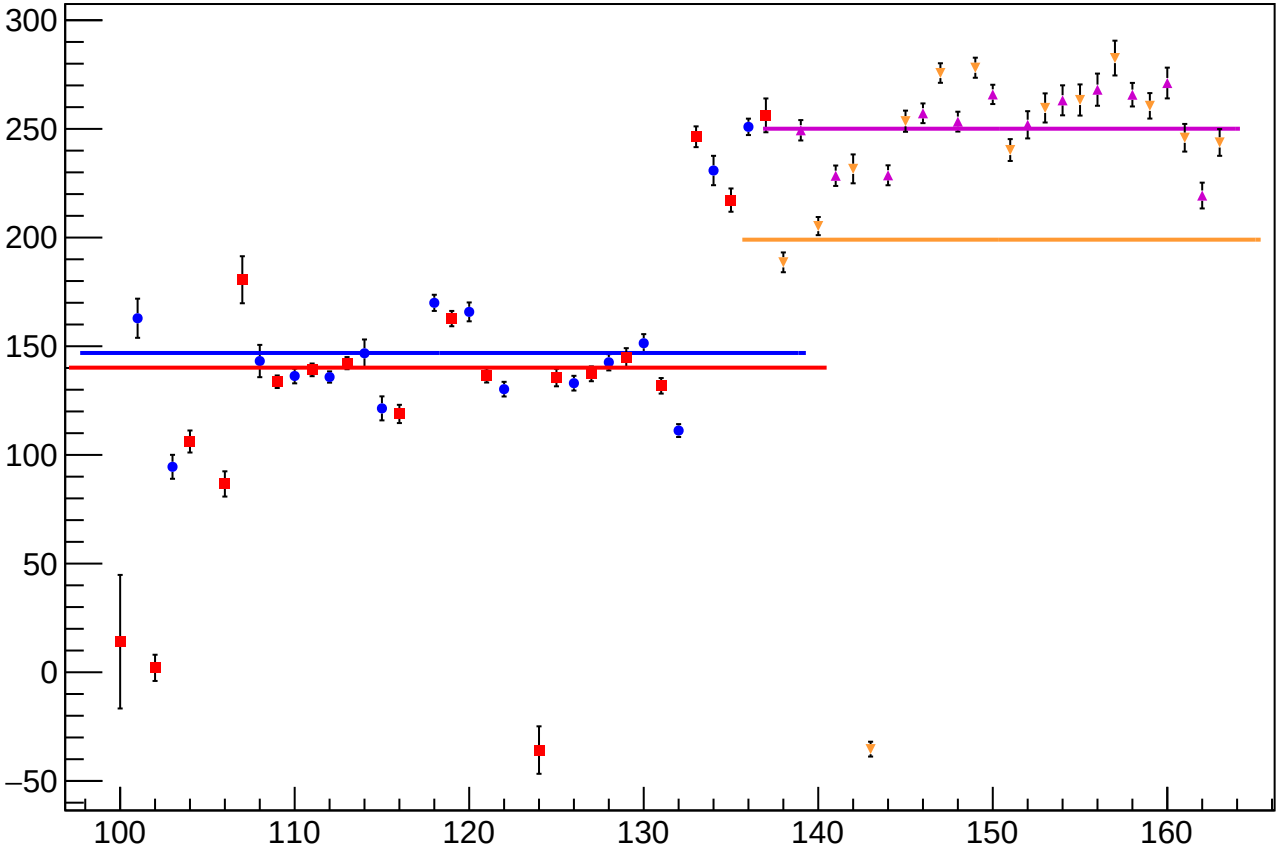
Left In: -155.981+/-0.063 χ^2/NDF:47476.5/11

+ sign -132.257+/-0.047 χ^2/NDF: 777801.2/29

All: -133.595+/-0.034 χ^2/NDF: 1446454.6/60

- sign -134.988+/-0.048 χ^2/NDF: 667020.0/30

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.034+/-1.374 χ^2/NDF:5997.1/13

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

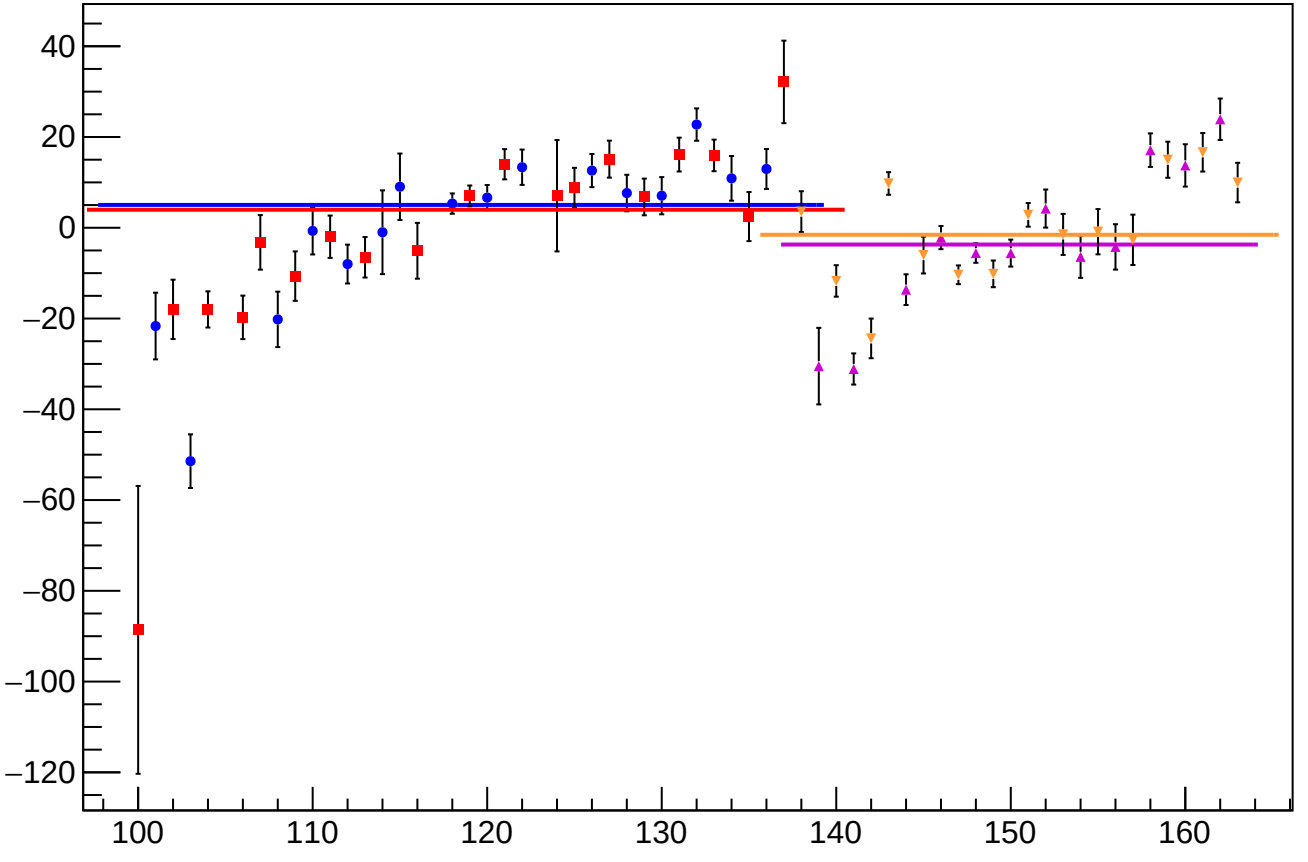
Left In: 250.080+/-1.520 χ^2/NDF:112.2/11

+ sign 165.028+/-0.810 χ^2/NDF: 8237.6/29

All: 168.256+/-0.573 χ^2/NDF: 14070.3/60

- sign 171.495+/-0.812 χ^2/NDF: 5800.9/30

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -1.544+/-0.914 χ^2/NDF:131.3/13

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

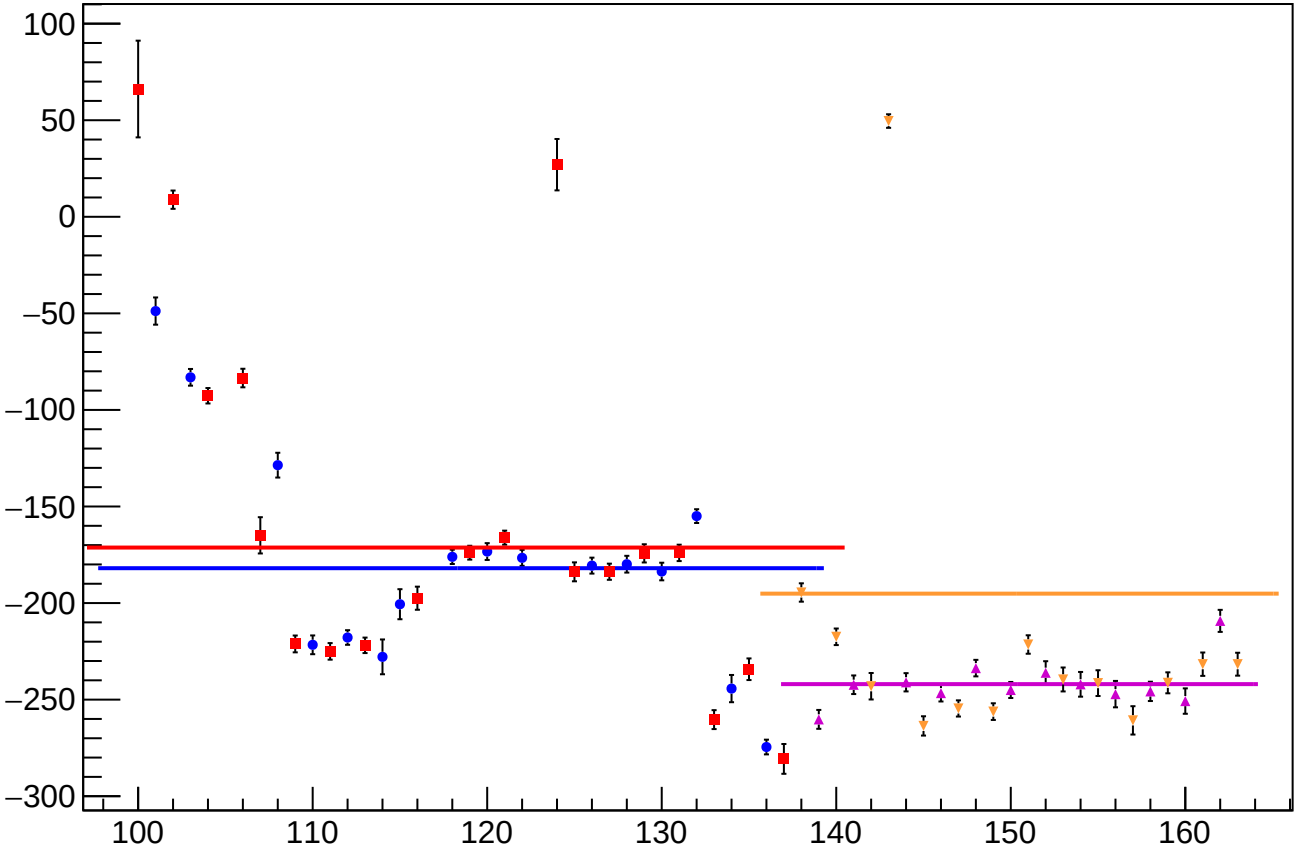
Left In: -3.696+/-1.010 χ^2/NDF:170.1/11

+ sign 1.383+/-0.681 χ^2/NDF: 326.3/29

All: 0.789+/-0.493 χ^2/NDF: 671.6/60

- sign 0.133+/-0.715 χ^2/NDF: 343.8/30

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.123+/-1.346 χ^2/NDF:5864.0/13

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

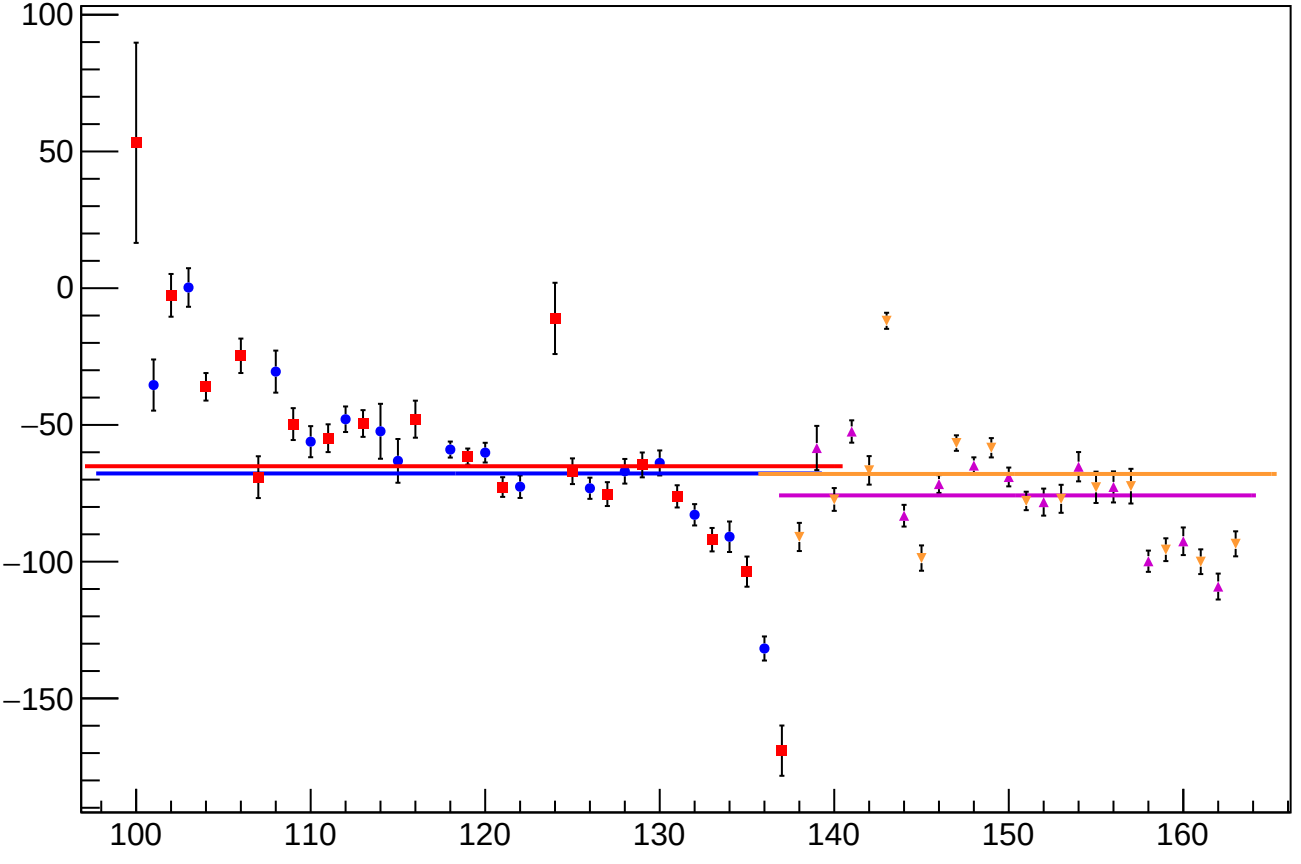
Left In: -241.970+/-1.469 χ^2/NDF:56.3/11

+ sign -187.529+/-0.876 χ^2/NDF: 7789.7/29

All: -192.206+/-0.623 χ^2/NDF: 13005.5/60

- sign -196.992+/-0.886 χ^2/NDF: 5158.1/30

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -67.928+/-1.095 χ^2/NDF:594.1/13

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

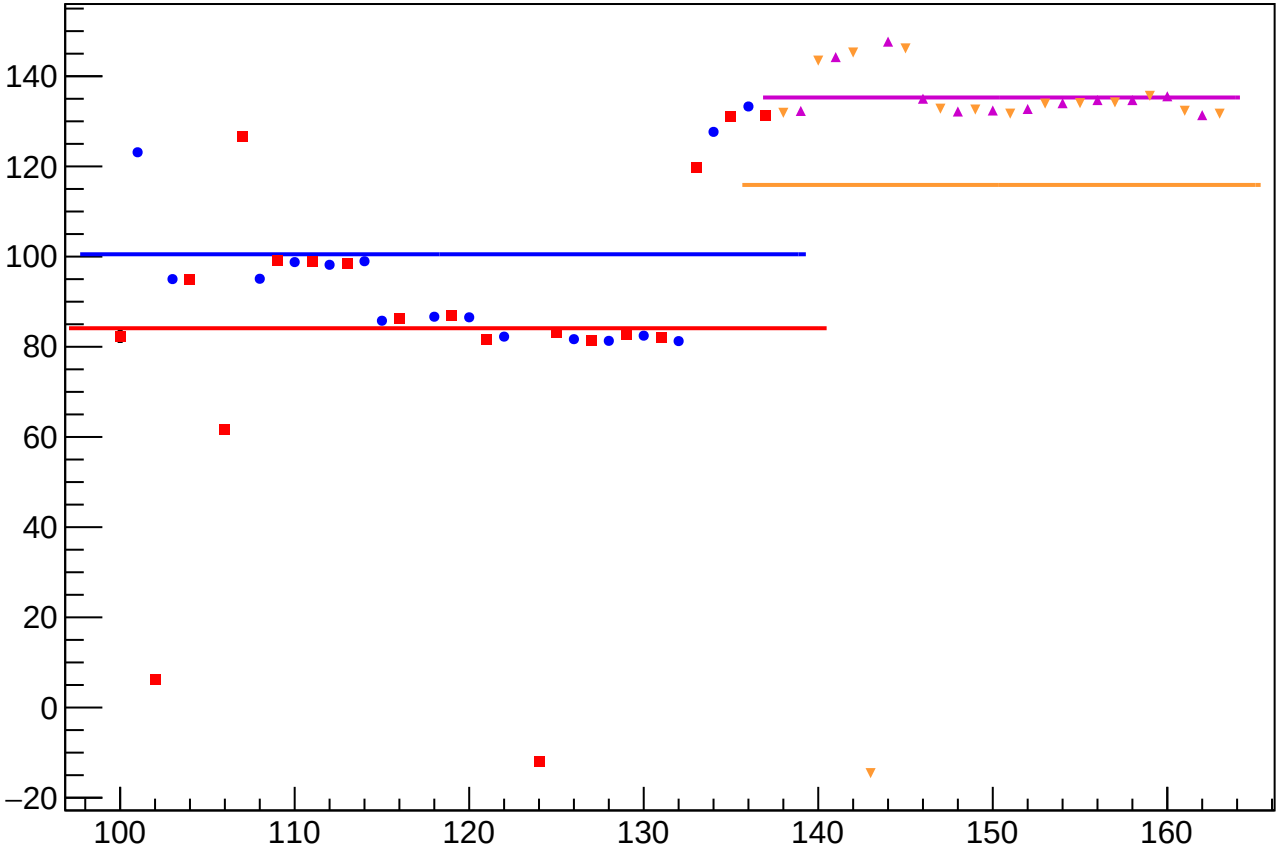
Left In: -75.770+/-1.207 χ^2/NDF:162.8/11

+ sign -67.844+/-0.803 χ^2/NDF: 1008.2/29

All: -68.997+/-0.580 χ^2/NDF: 1644.7/60

- sign -70.256+/-0.839 χ^2/NDF: 632.2/30

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.893+/-0.053 χ^2/NDF:926411.0/13

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

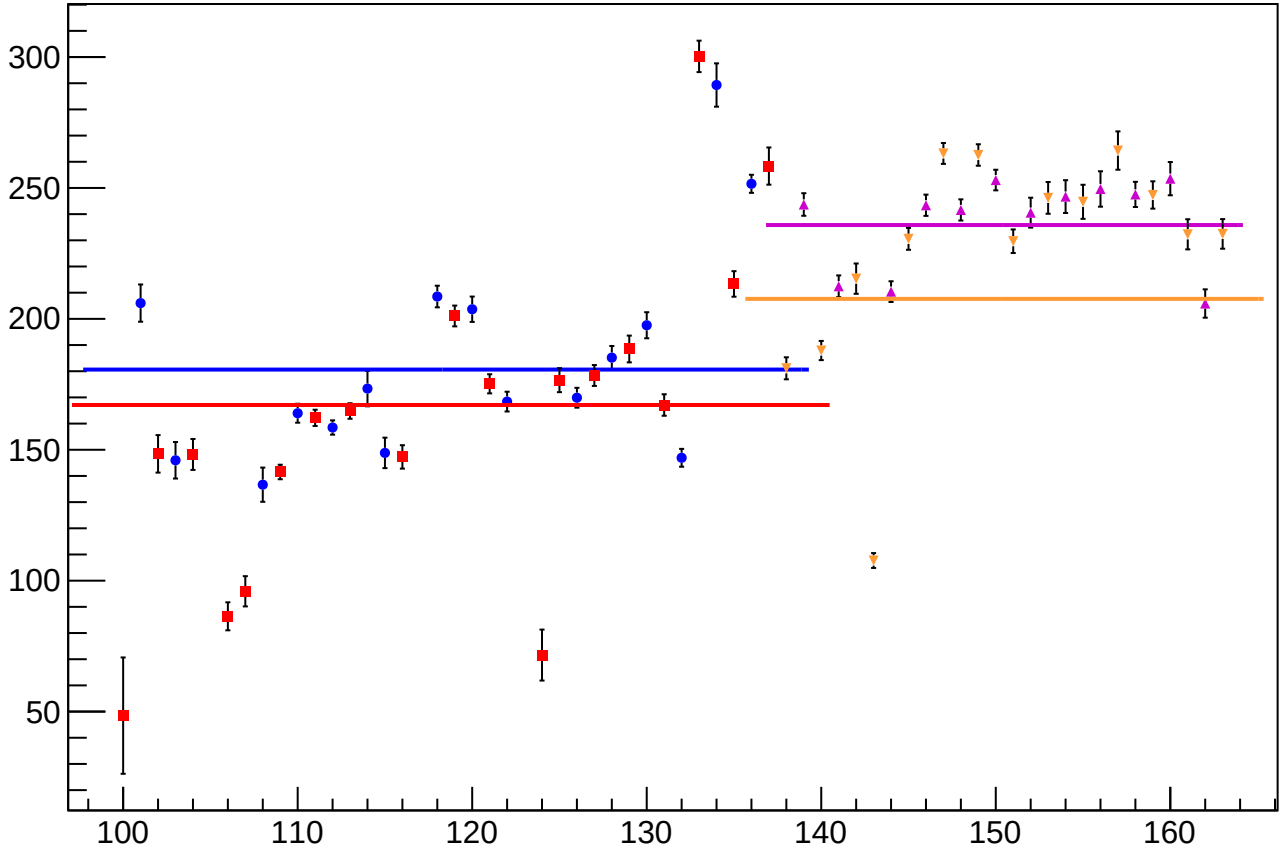
Left In: 135.284+/-0.056 χ^2/NDF:6940.3/11

+ sign 110.704+/-0.043 χ^2/NDF: 1022508.0/29

All: 112.786+/-0.031 χ^2/NDF: 1627239.1/60

- sign 114.934+/-0.044 χ^2/NDF: 599962.0/30

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: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

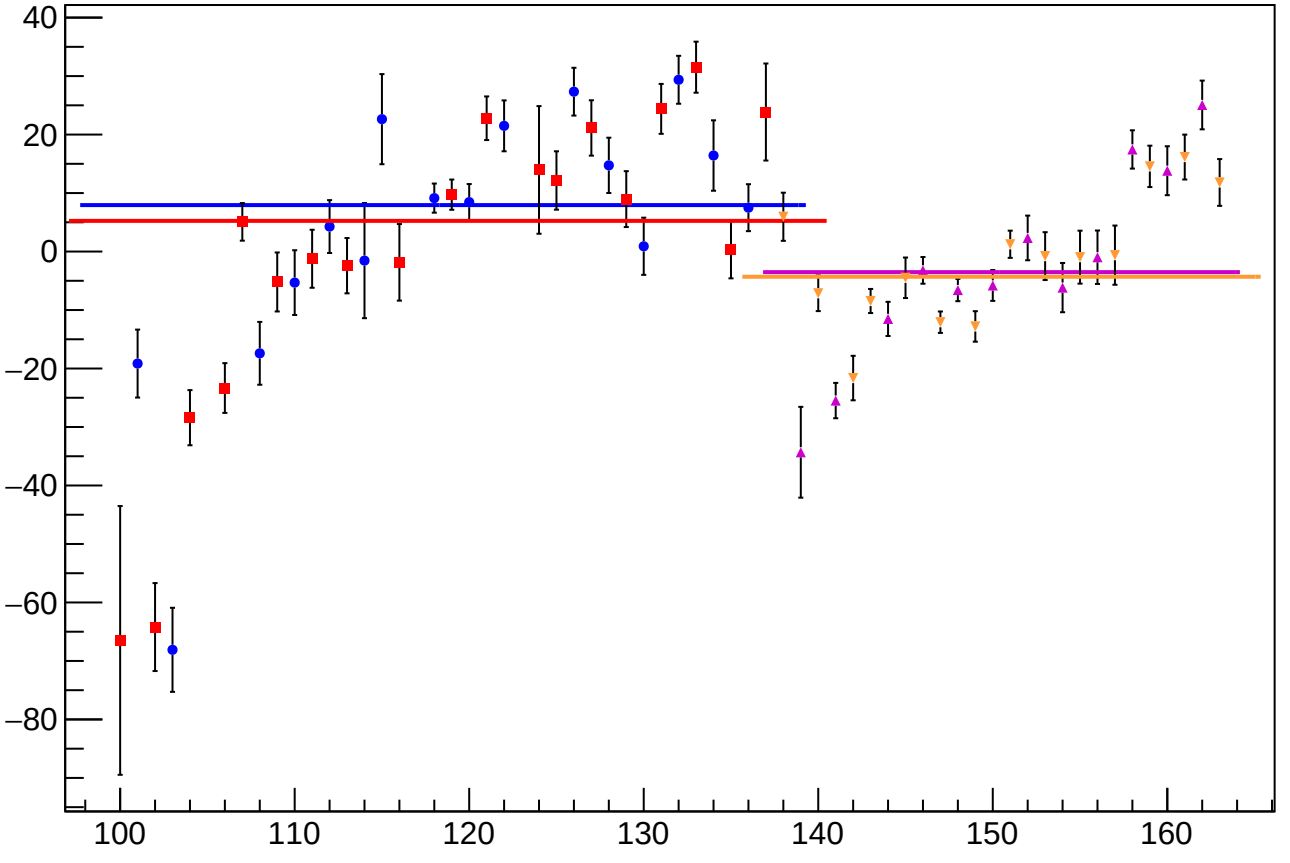
Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60

- sign 191.933+/-0.816 χ^2/NDF: 3275.7/30

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

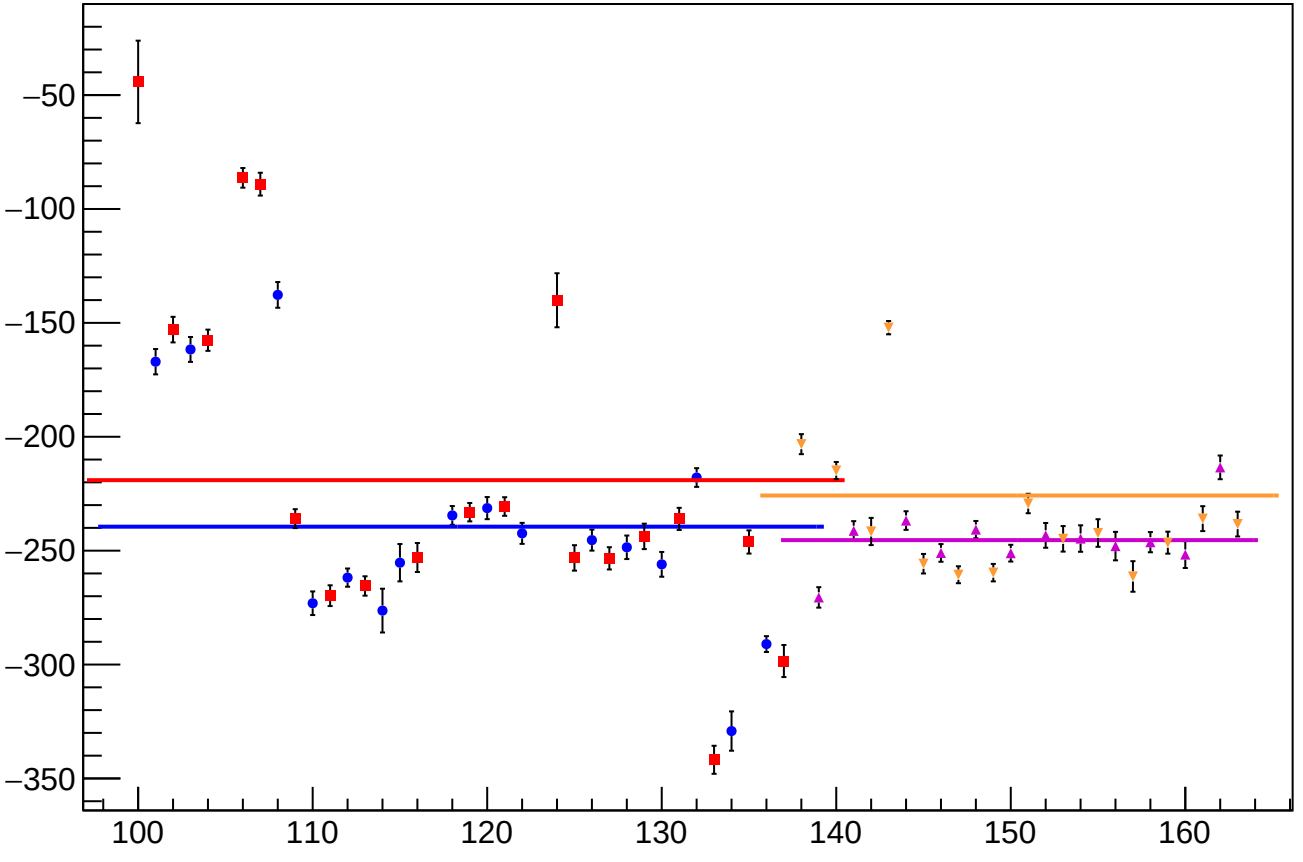
Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.013+/-0.473 χ^2/NDF: 984.0/60

- sign 0.141+/-0.686 χ^2/NDF: 530.3/30

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: -225.790+/-1.188 χ^2/NDF:966.3/13

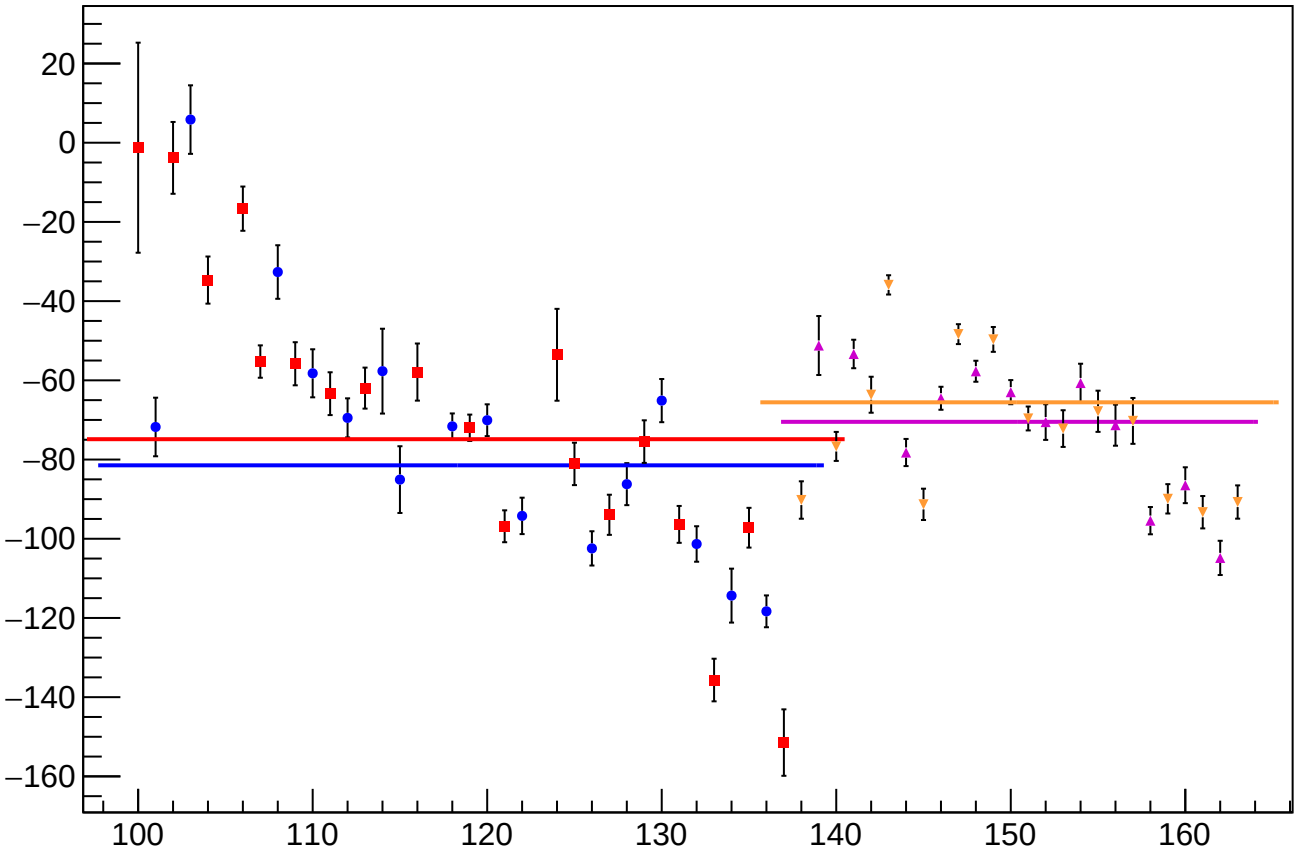
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -245.374+/-1.312 χ^2/NDF:81.9/11

+ sign -232.309+/-0.860 χ^2/NDF: 2191.7/29

All: -231.560+/-0.614 χ^2/NDF: 5547.6/60

- sign -230.782+/-0.876 χ^2/NDF: 3354.4/30



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

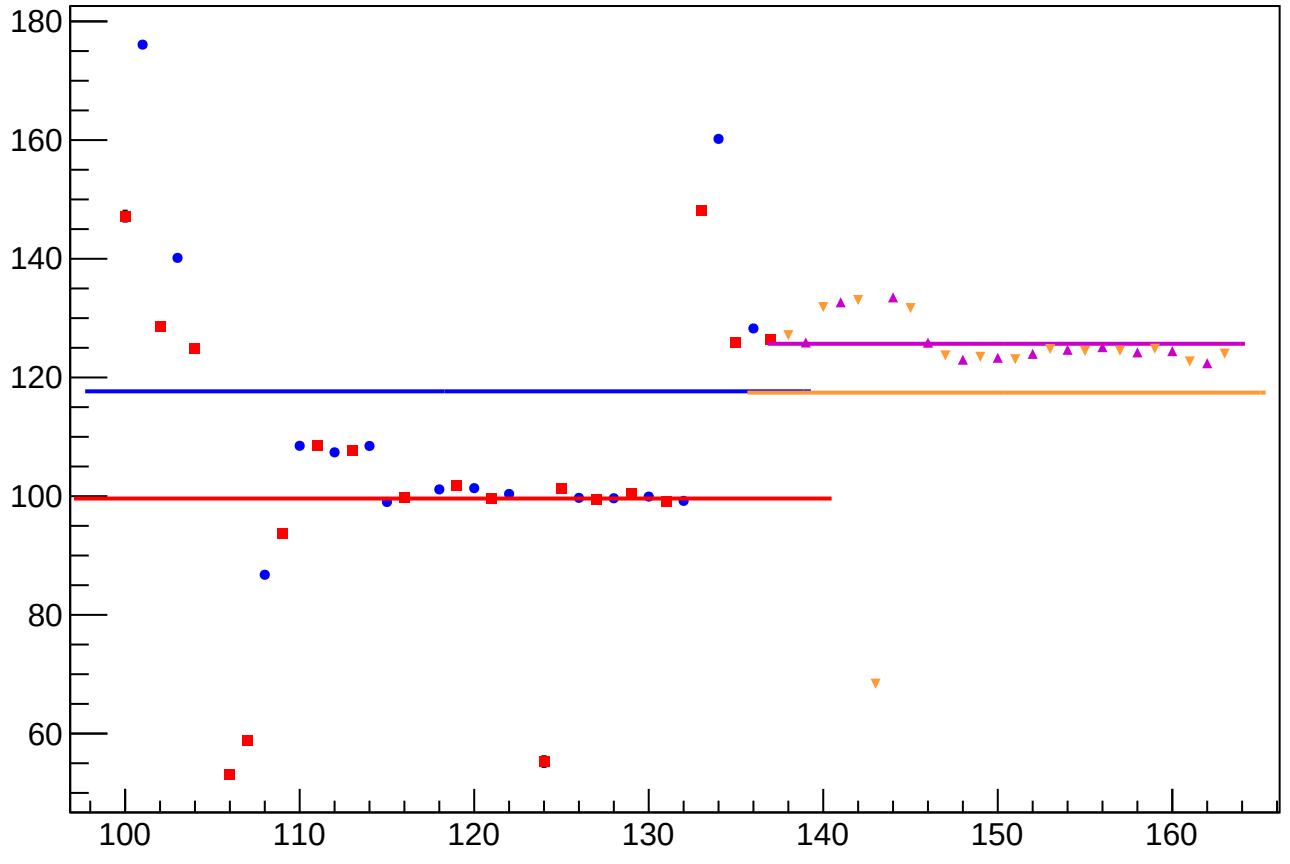
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60

- sign -72.377+/-0.810 χ^2/NDF: 784.1/30



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

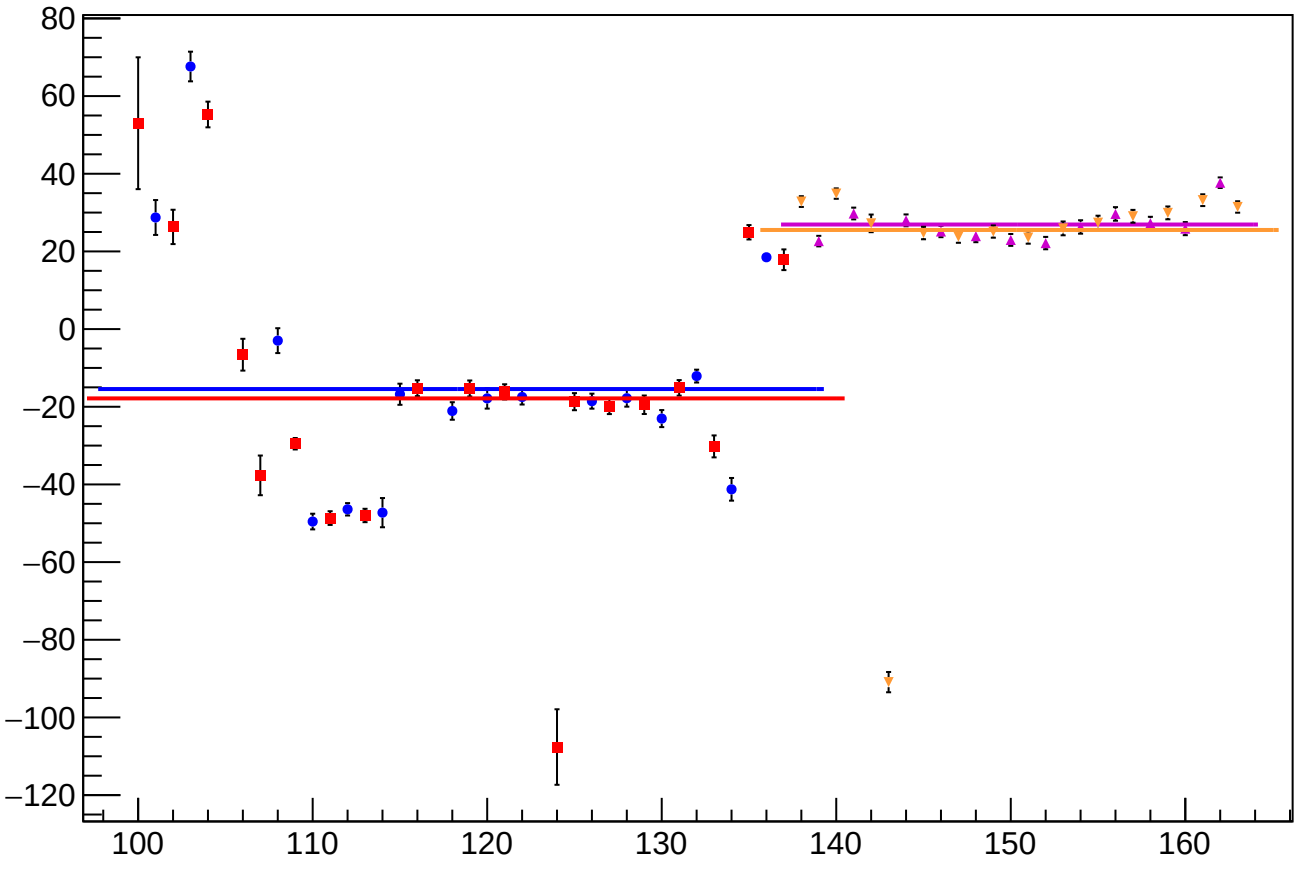
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60

- sign 116.836+/-0.041 χ^2/NDF: 261677.6/30



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.523+/-0.436 χ^2/NDF:2121.2/13

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

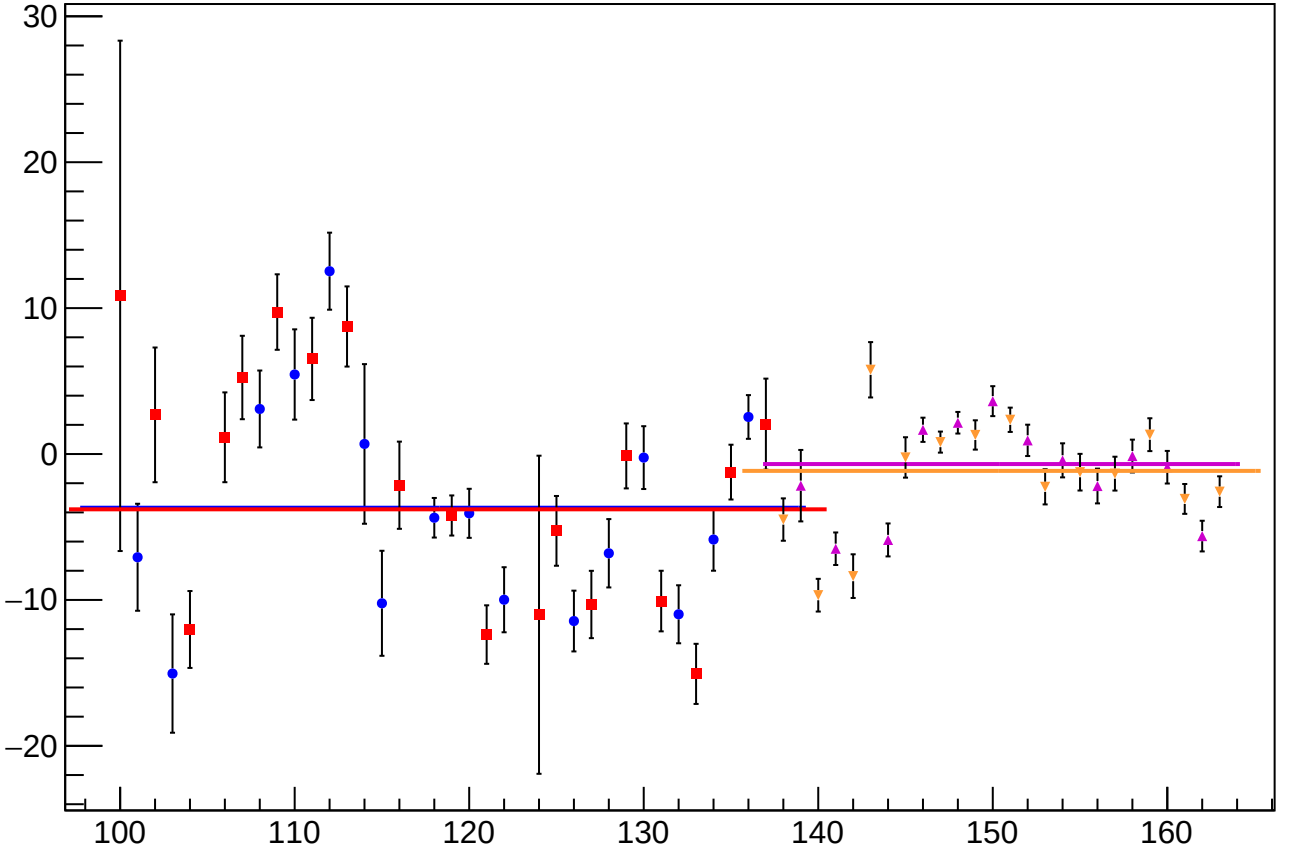
Left In: 26.926+/-0.446 χ^2/NDF:100.2/11

+ sign 9.342+/-0.339 χ^2/NDF: 7738.6/29

All: 8.840+/-0.240 χ^2/NDF: 14147.2/60

- sign 8.332+/-0.341 χ^2/NDF: 6404.1/30

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: -1.155+/-0.294 χ^2/NDF:142.3/13

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

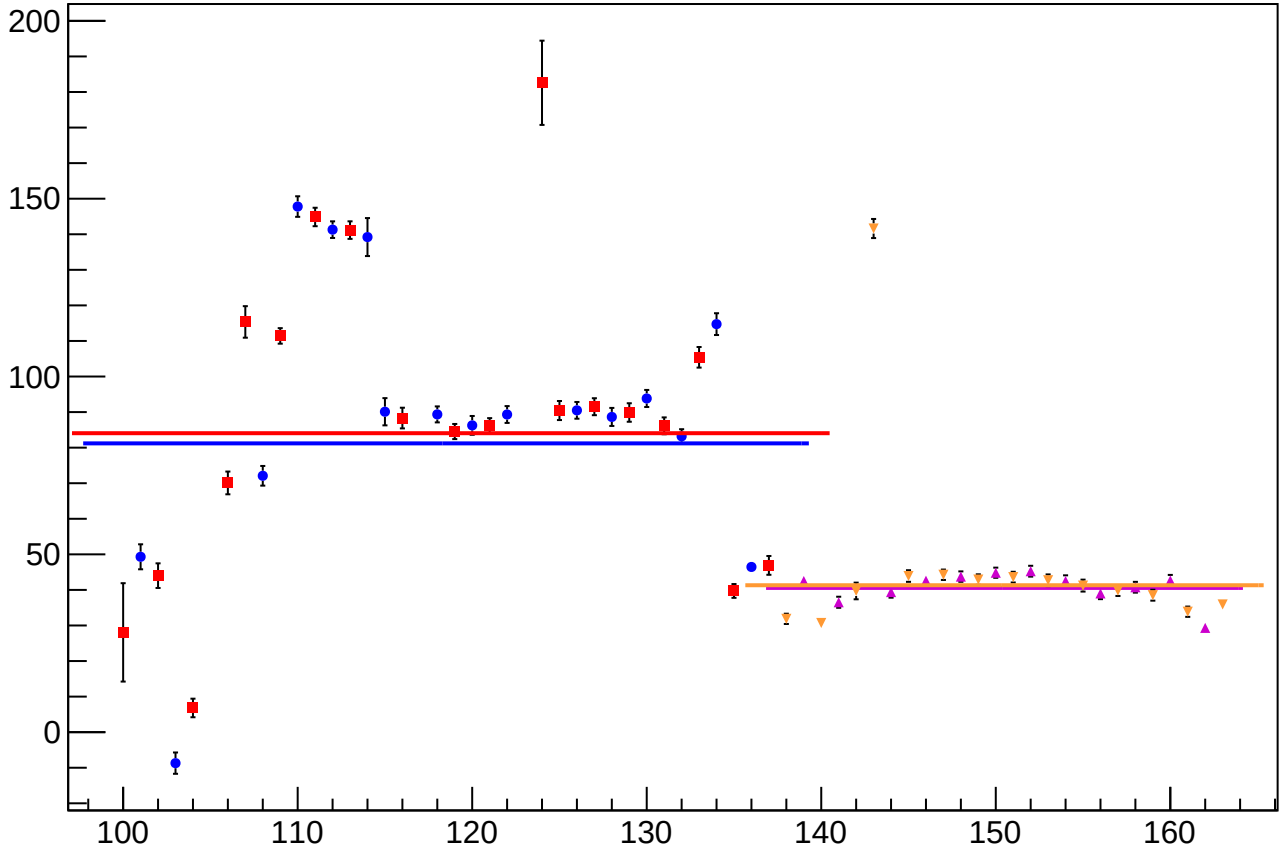
Left In: -0.687+/-0.305 χ^2/NDF:115.2/11

+ sign -1.713+/-0.259 χ^2/NDF: 282.6/29

All: -1.555+/-0.186 χ^2/NDF: 583.2/60

- sign -1.388+/-0.268 χ^2/NDF: 299.9/30

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: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

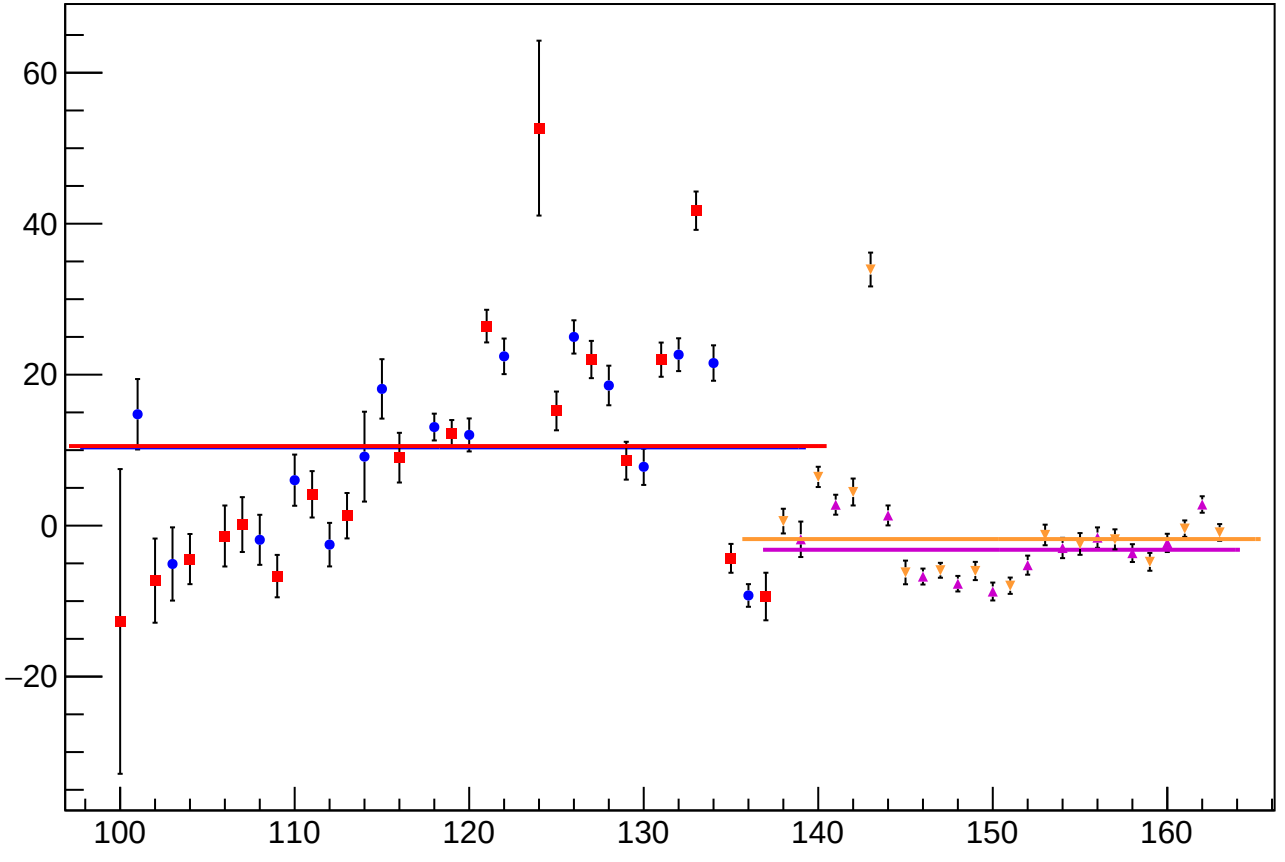
Left In: 40.563+/-0.430 χ^2/NDF:112.1/11

+ sign 54.287+/-0.346 χ^2/NDF: 7696.1/29

All: 54.544+/-0.247 χ^2/NDF: 14366.5/60

- sign 54.812+/-0.353 χ^2/NDF: 6669.3/30

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.782+/-0.345 χ^2/NDF:385.5/13

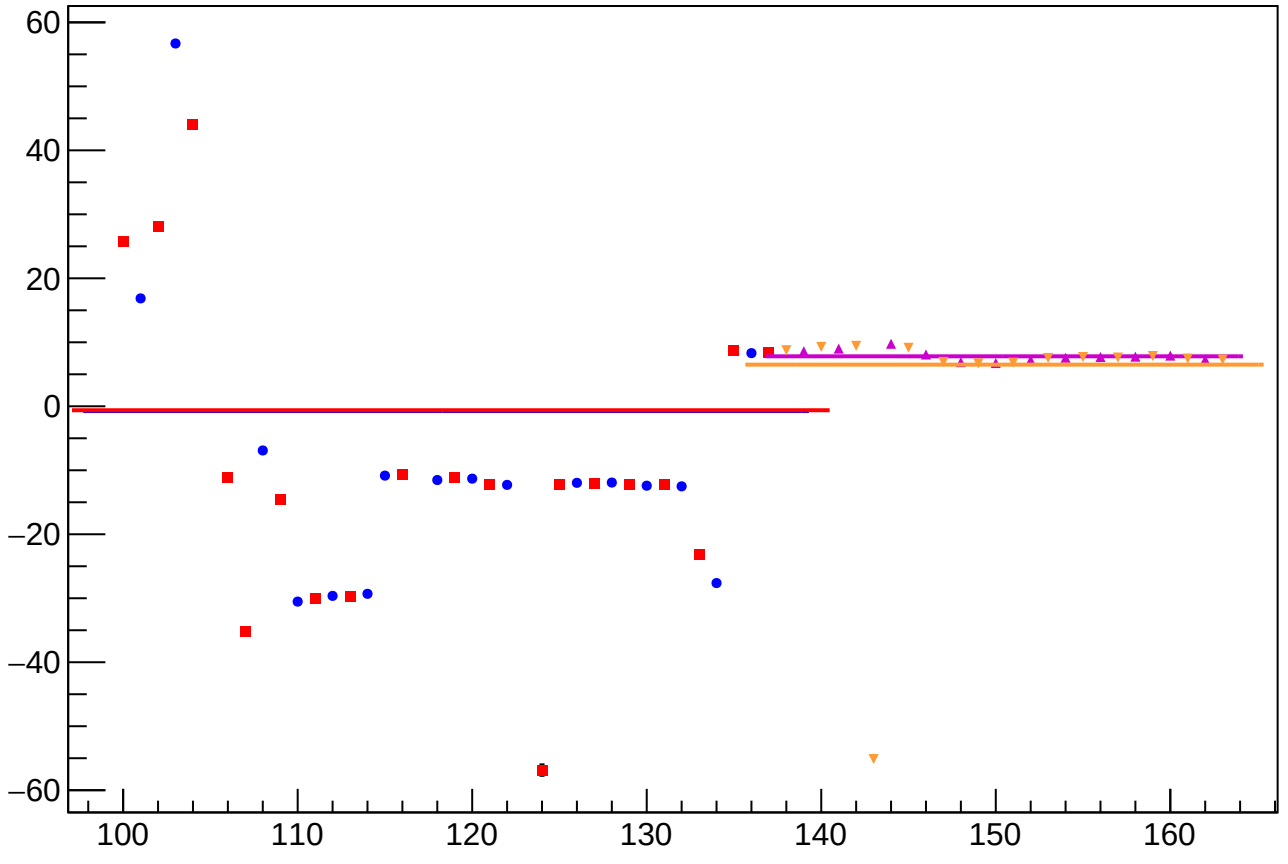
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.197+/-0.357 χ^2/NDF:119.6/11

+ sign 1.049+/-0.302 χ^2/NDF: 1033.7/29

All: 0.571+/-0.217 χ^2/NDF: 1980.3/60

- sign 0.062+/-0.312 χ^2/NDF: 941.4/30



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

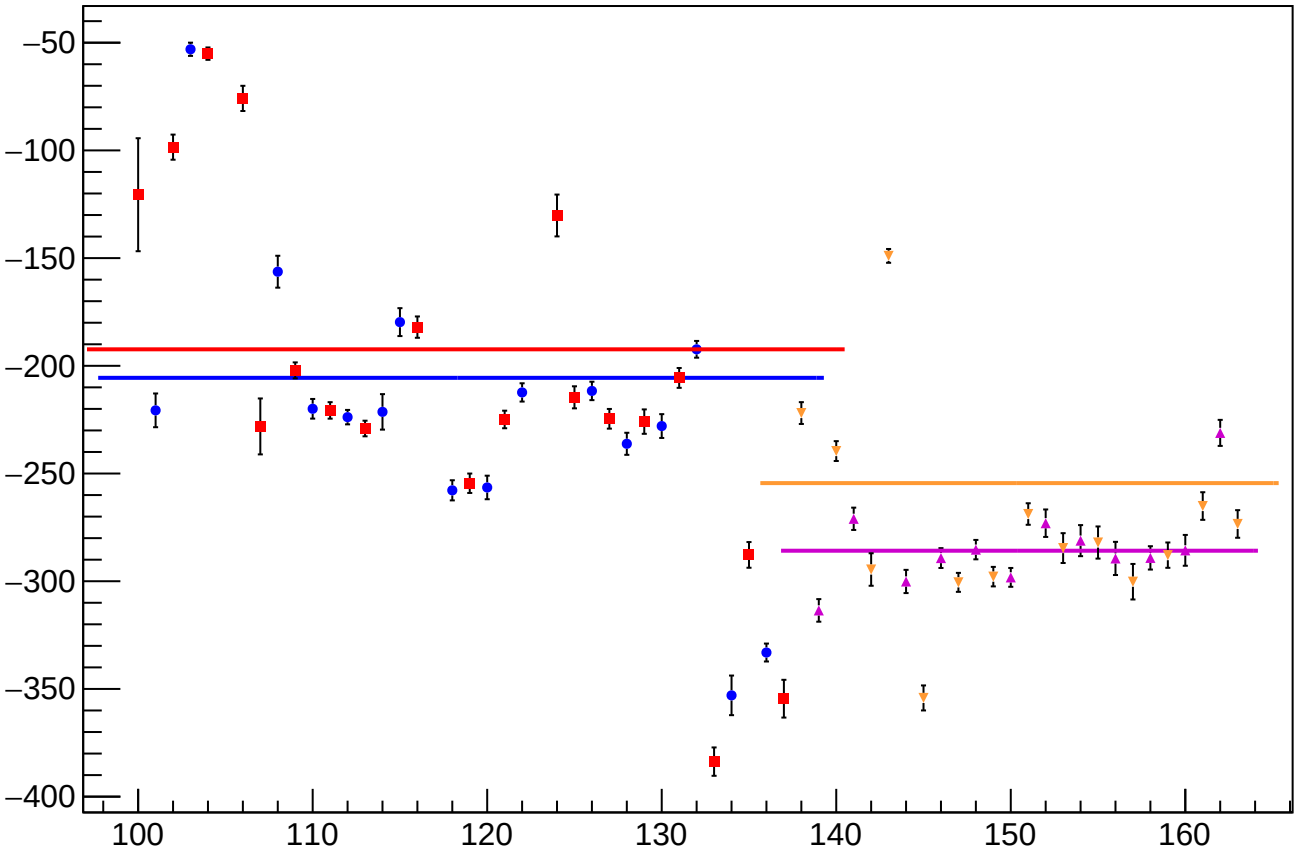
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.809+/-0.016 χ^2/NDF:2241.6/11

+ sign 5.321+/-0.015 χ^2/NDF: 715280.8/29

All: 5.895+/-0.010 χ^2/NDF: 1080173.2/60

- sign 6.489+/-0.015 χ^2/NDF: 361712.6/30



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -254.449+/-1.411 χ^2/NDF:1772.9/13

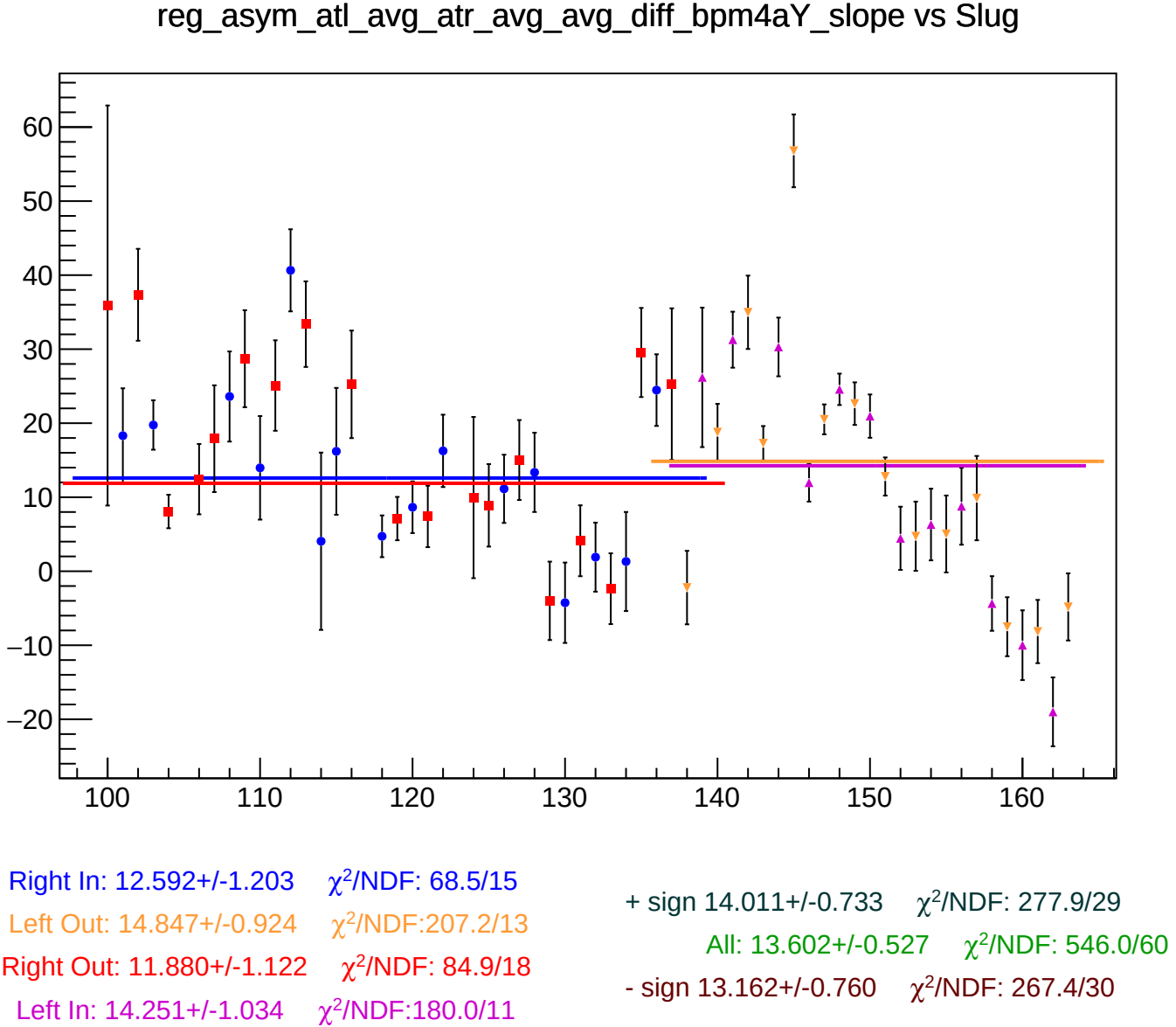
Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -285.837+/-1.584 χ^2/NDF:138.6/11

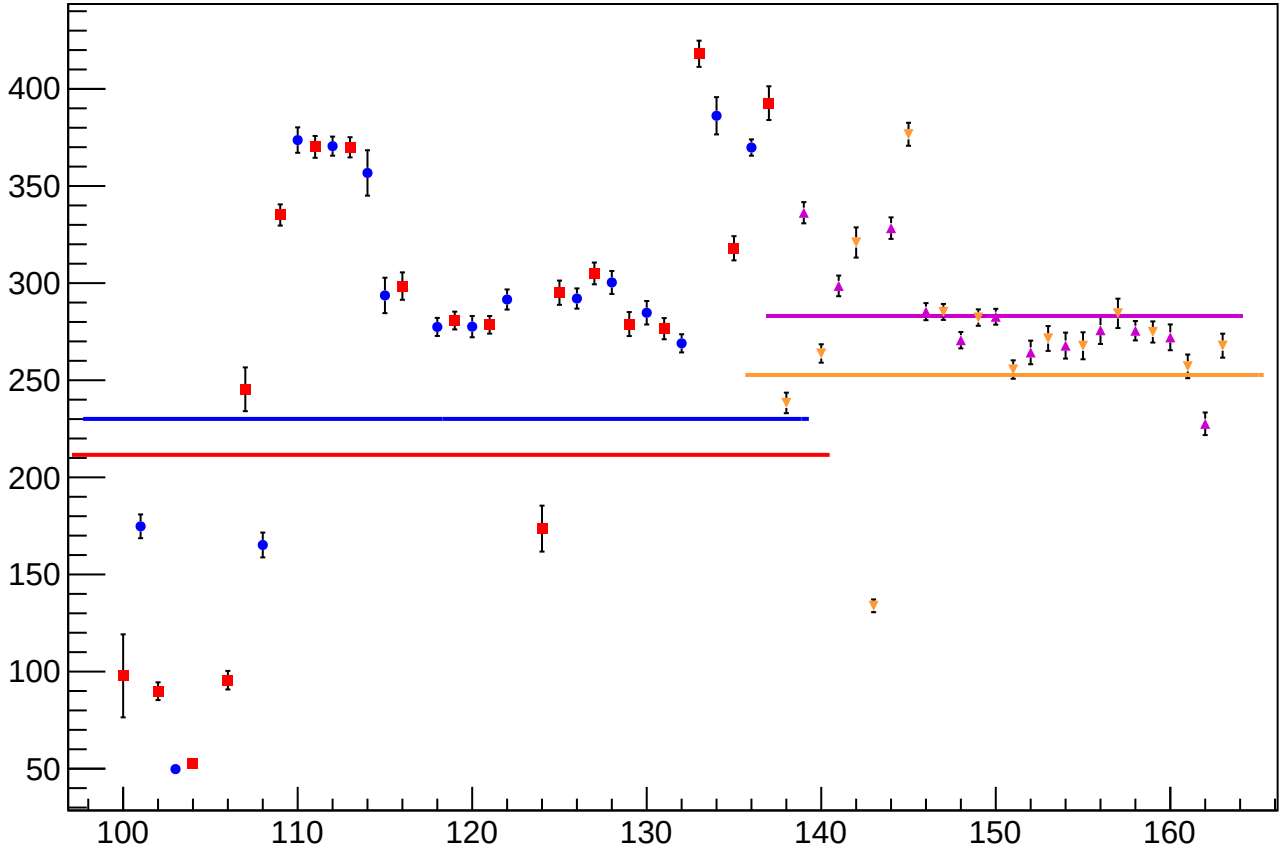
+ sign -225.778+/-0.907 χ^2/NDF: 6532.4/29

All: -224.701+/-0.645 χ^2/NDF: 13963.0/60

- sign -223.604+/-0.916 χ^2/NDF: 7427.8/30


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 14.847+/-0.924 χ²/NDF:207.2/13
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 14.251+/-1.034 χ²/NDF:180.0/11
+ sign 14.011+/-0.733 χ²/NDF: 277.9/29
All: 13.602+/-0.527 χ²/NDF: 546.0/60
- sign 13.162+/-0.760 χ²/NDF: 267.4/30

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: 252.724+/-1.378 χ^2/NDF:1991.3/13

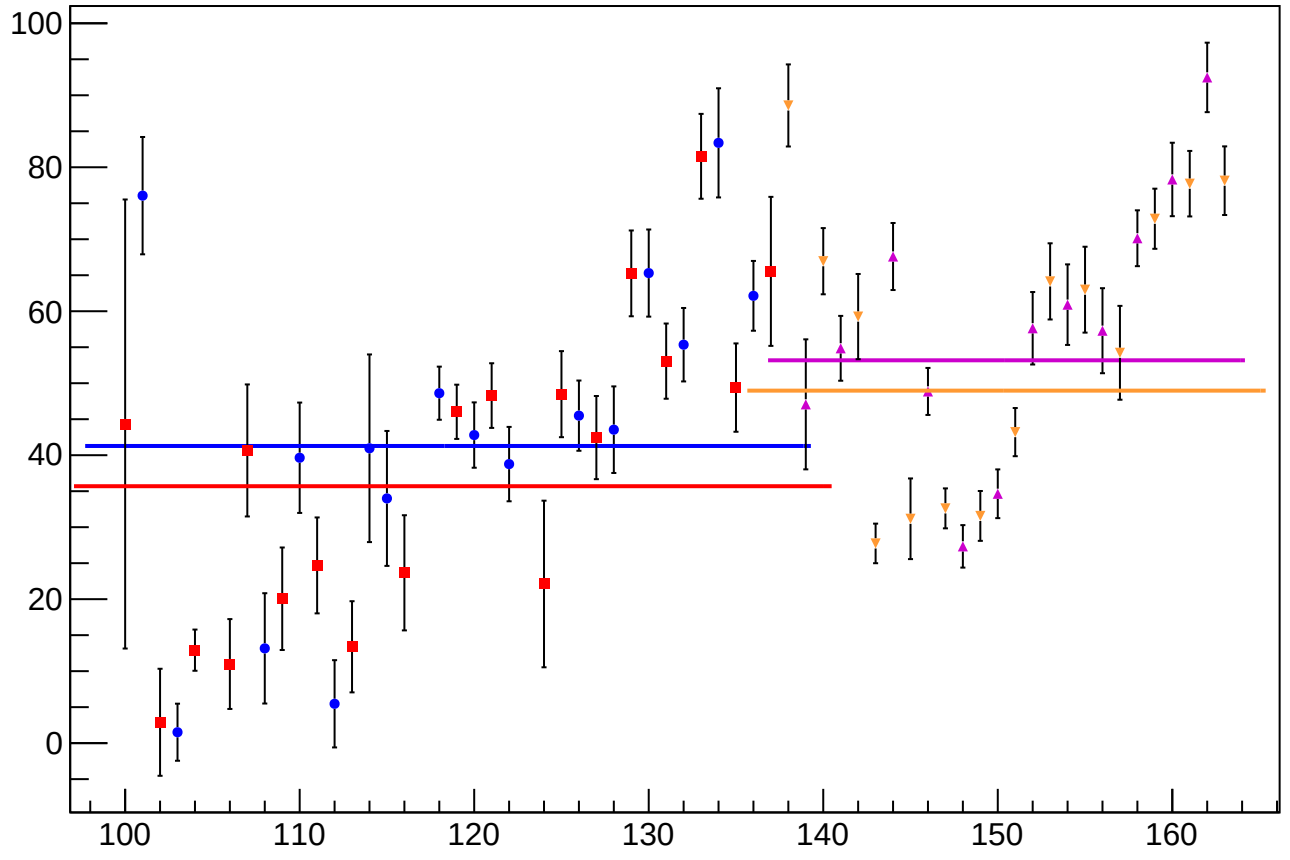
Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 283.085+/-1.524 χ^2/NDF:290.5/11

+ sign 240.393+/-0.930 χ^2/NDF: 11513.8/29

All: 239.620+/-0.661 χ^2/NDF: 24641.1/60

- sign 238.829+/-0.940 χ^2/NDF: 13125.9/30



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 48.971+/-1.111 χ^2/NDF:323.6/13

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

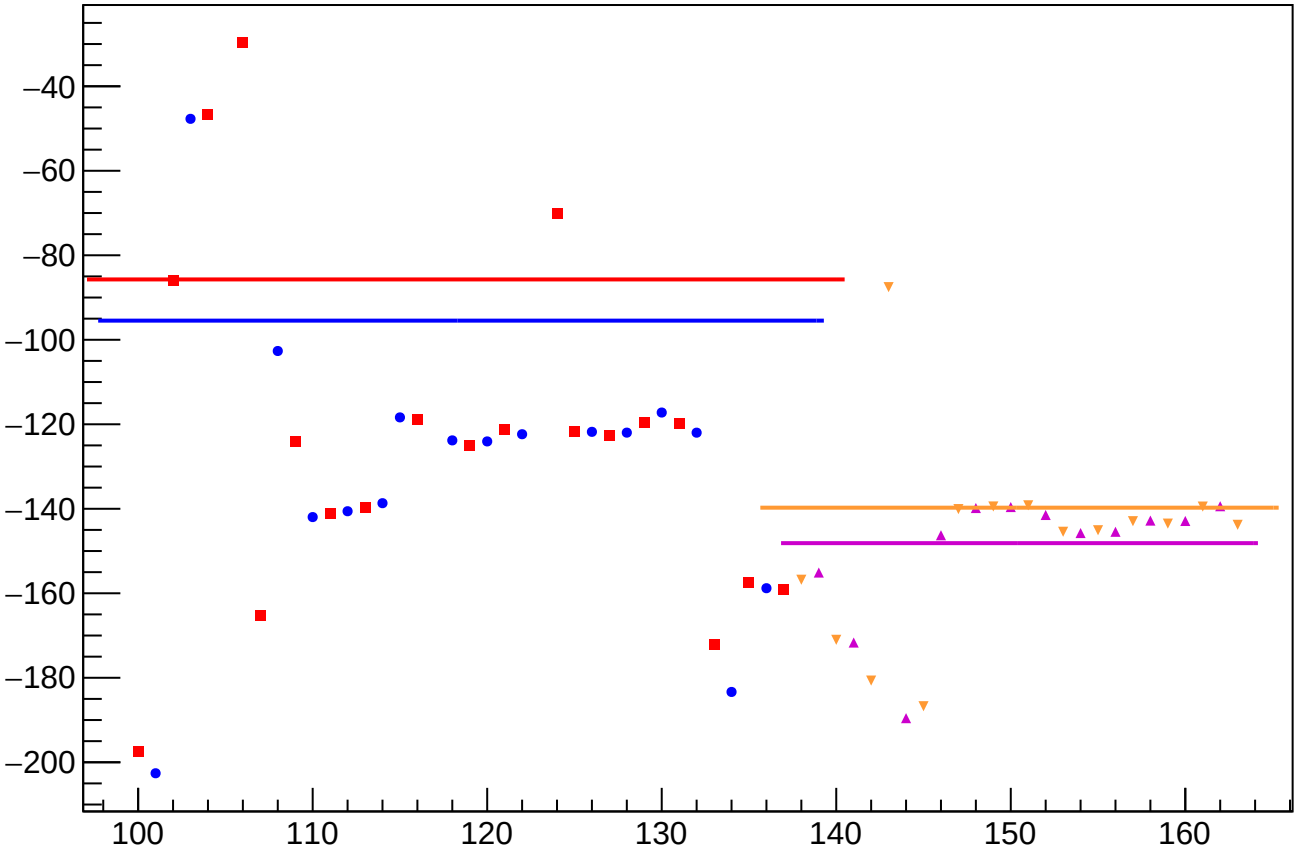
Left In: 53.183+/-1.239 χ^2/NDF:231.5/11

+ sign 45.993+/-0.870 χ^2/NDF: 587.9/29

All: 45.500+/-0.626 χ^2/NDF: 1166.8/60

- sign 44.970+/-0.902 χ^2/NDF: 578.2/30

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.738+/-0.054 χ^2/NDF:231307.7/13

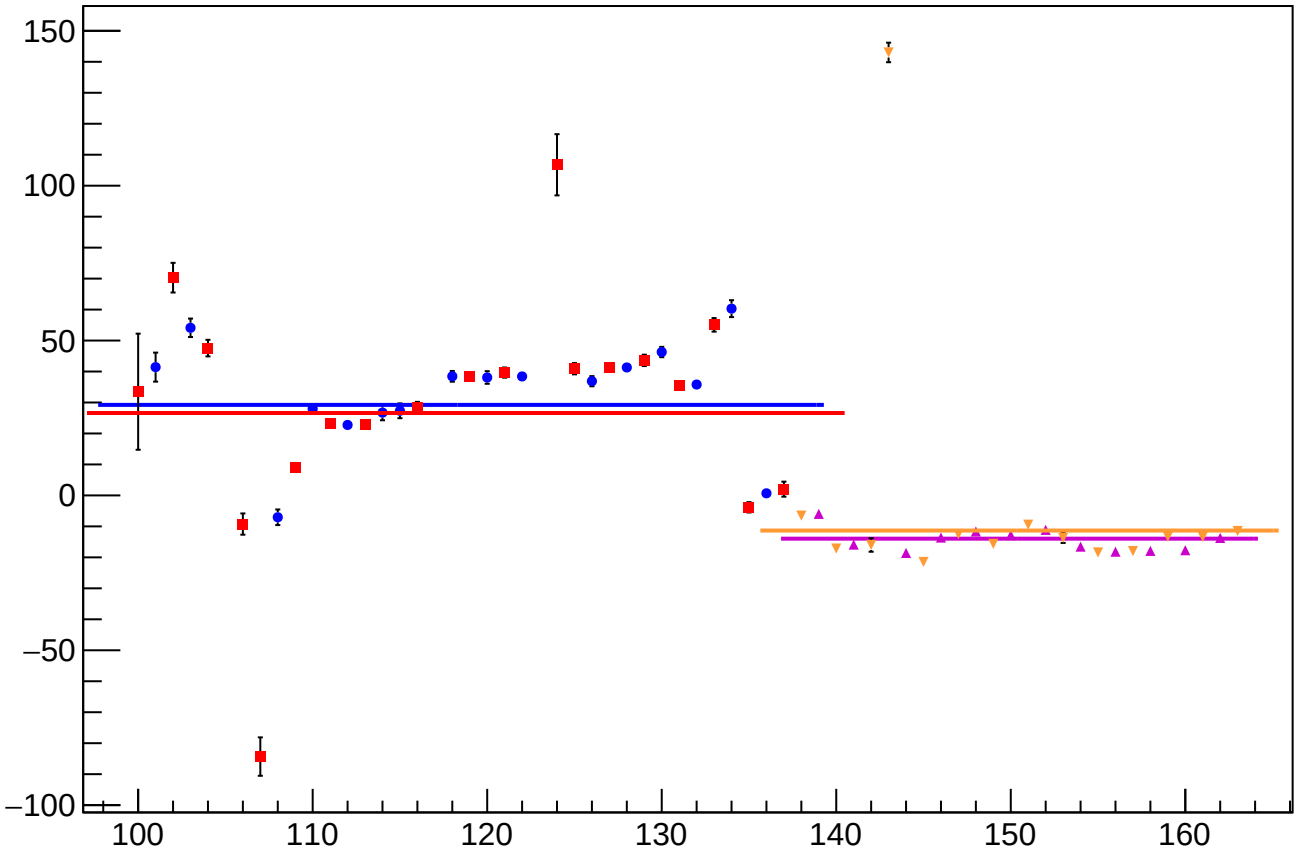
Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.134+/-0.058 χ^2/NDF:50076.4/11

+ sign -122.994+/-0.043 χ^2/NDF: 1003894.5/29

All: -122.144+/-0.031 χ^2/NDF: 2032129.2/60

- sign -121.244+/-0.044 χ^2/NDF: 1027418.7/30



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.340+/-0.409 χ^2/NDF:2529.7/13

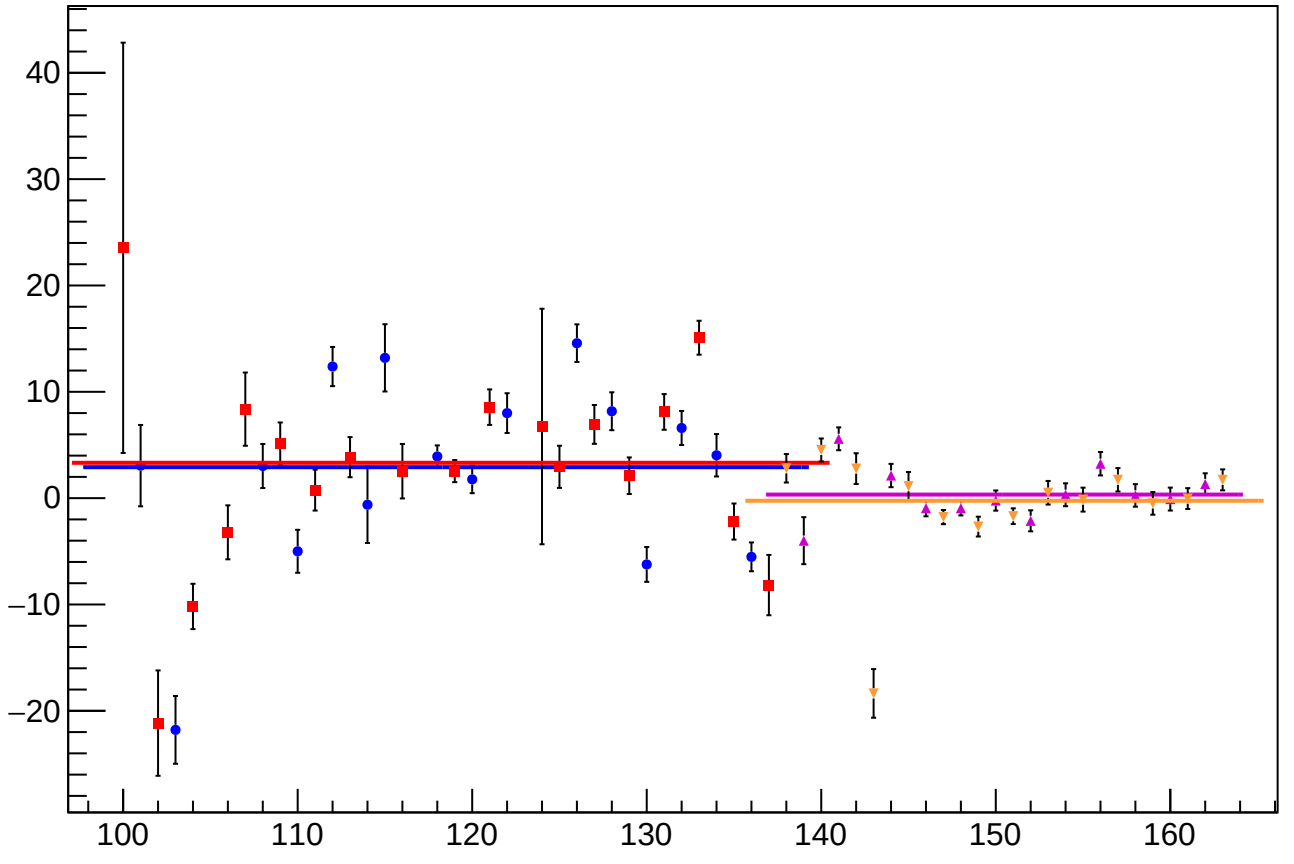
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.966+/-0.417 χ^2/NDF:82.4/11

+ sign 8.185+/-0.294 χ^2/NDF: 8615.3/29

All: 7.328+/-0.208 χ^2/NDF: 15400.1/60

- sign 6.473+/-0.294 χ^2/NDF: 6767.9/30



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.246+/-0.275 χ^2/NDF:116.7/13

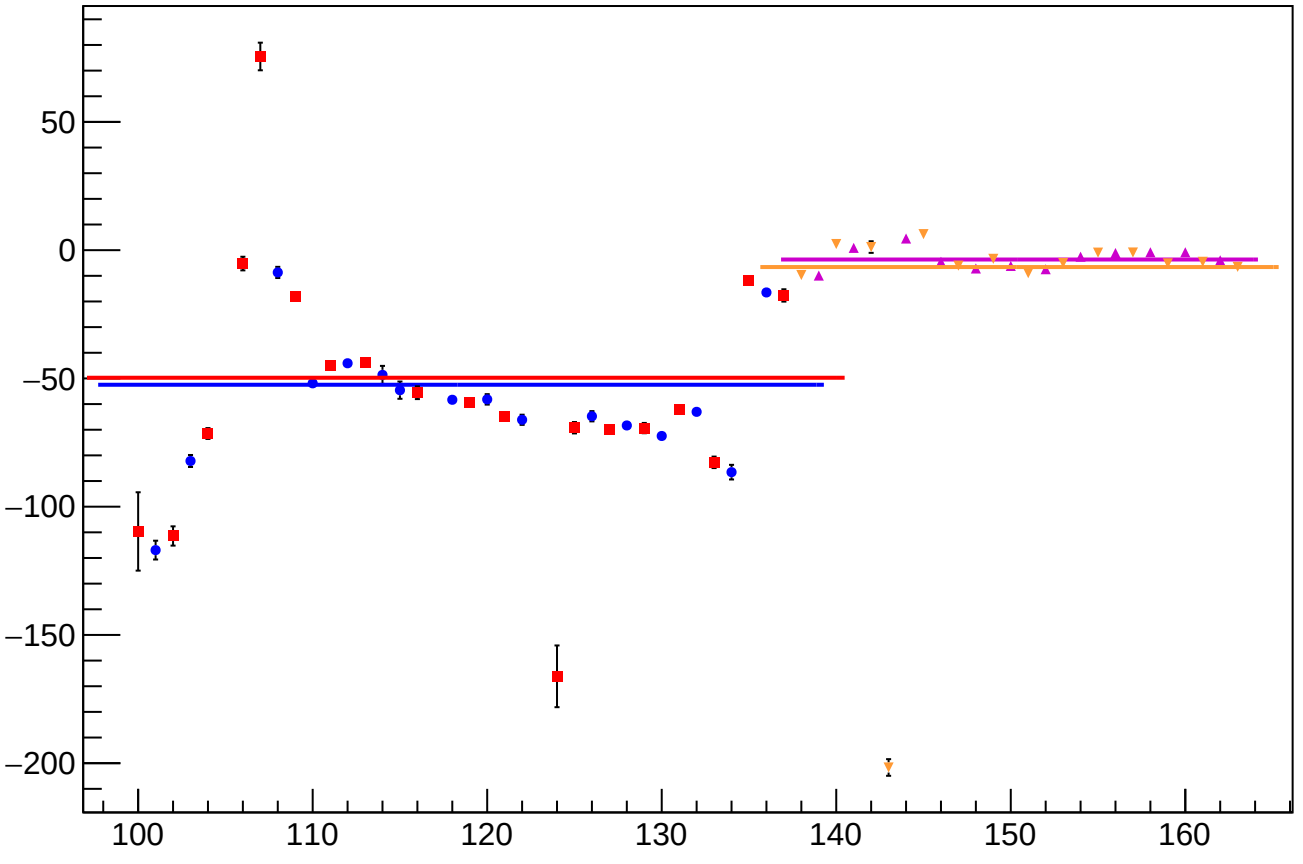
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.336+/-0.285 χ^2/NDF:51.3/11

+ sign 0.632+/-0.233 χ^2/NDF: 403.4/29

All: 0.898+/-0.168 χ^2/NDF: 670.4/60

- sign 1.182+/-0.241 χ^2/NDF: 264.3/30



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

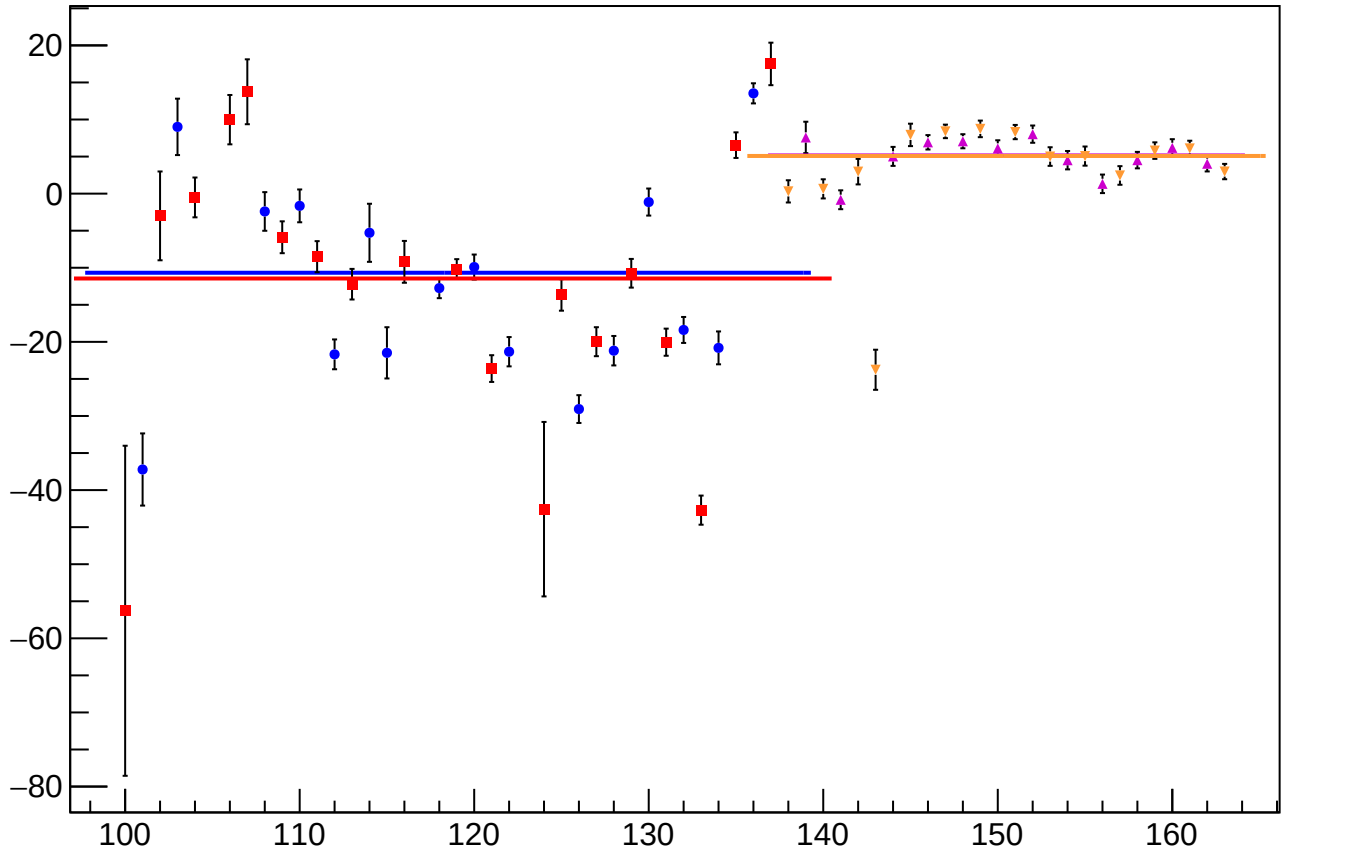
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

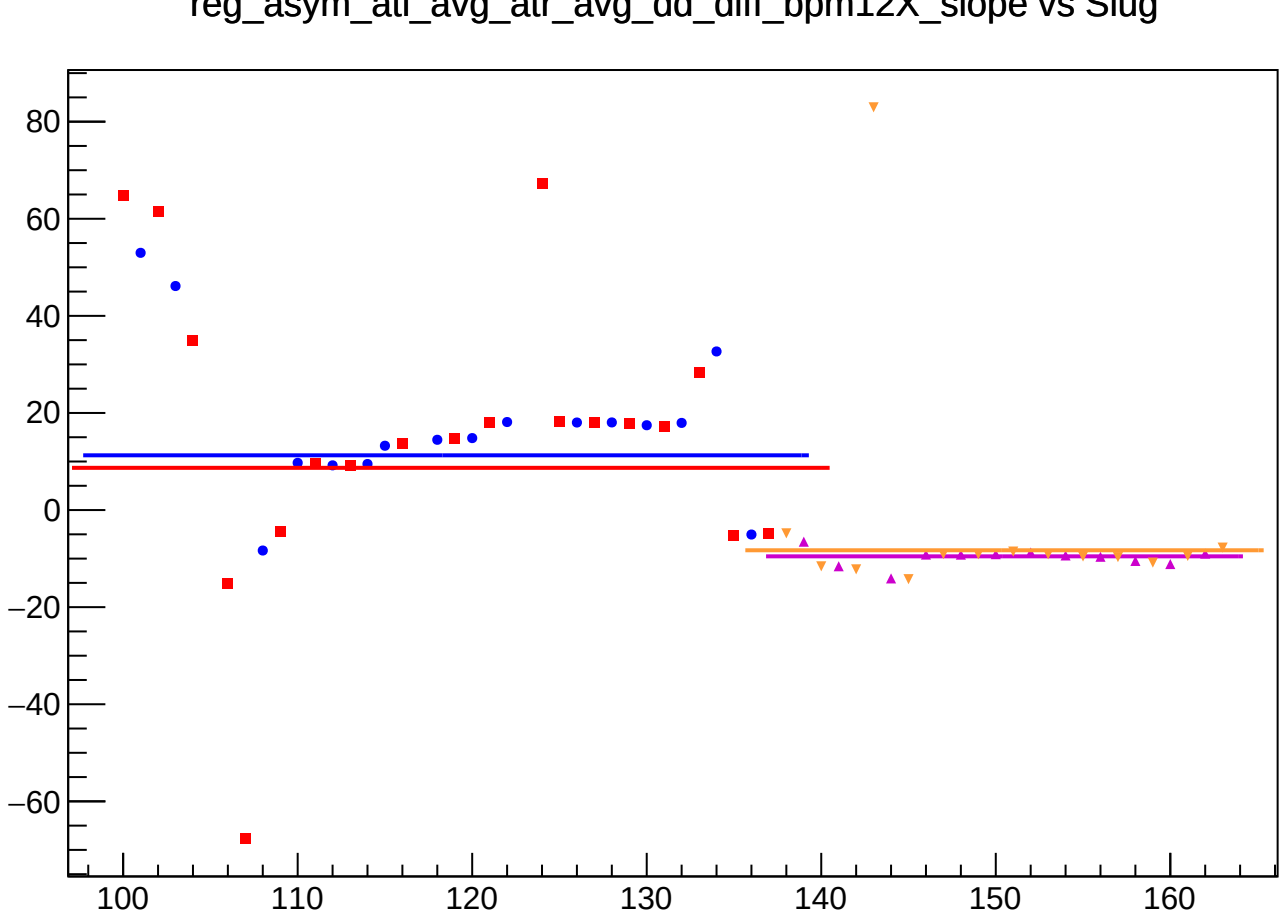
Left In: -3.642+/-0.402 χ^2/NDF:91.1/11

+ sign -24.749+/-0.307 χ^2/NDF: 11463.4/29

All: -23.395+/-0.219 χ^2/NDF: 19841.2/60

- sign -21.999+/-0.312 χ^2/NDF: 8338.3/30


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 5.083+/-0.323 χ²/NDF:185.7/13
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 5.157+/-0.334 χ²/NDF:49.5/11
+ sign 0.505+/-0.272 χ²/NDF: 1541.7/29
All: 0.379+/-0.195 χ²/NDF: 2986.6/60
- sign 0.244+/-0.281 χ²/NDF: 1444.5/30



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.284+/-0.015 χ^2/NDF:480269.8/13

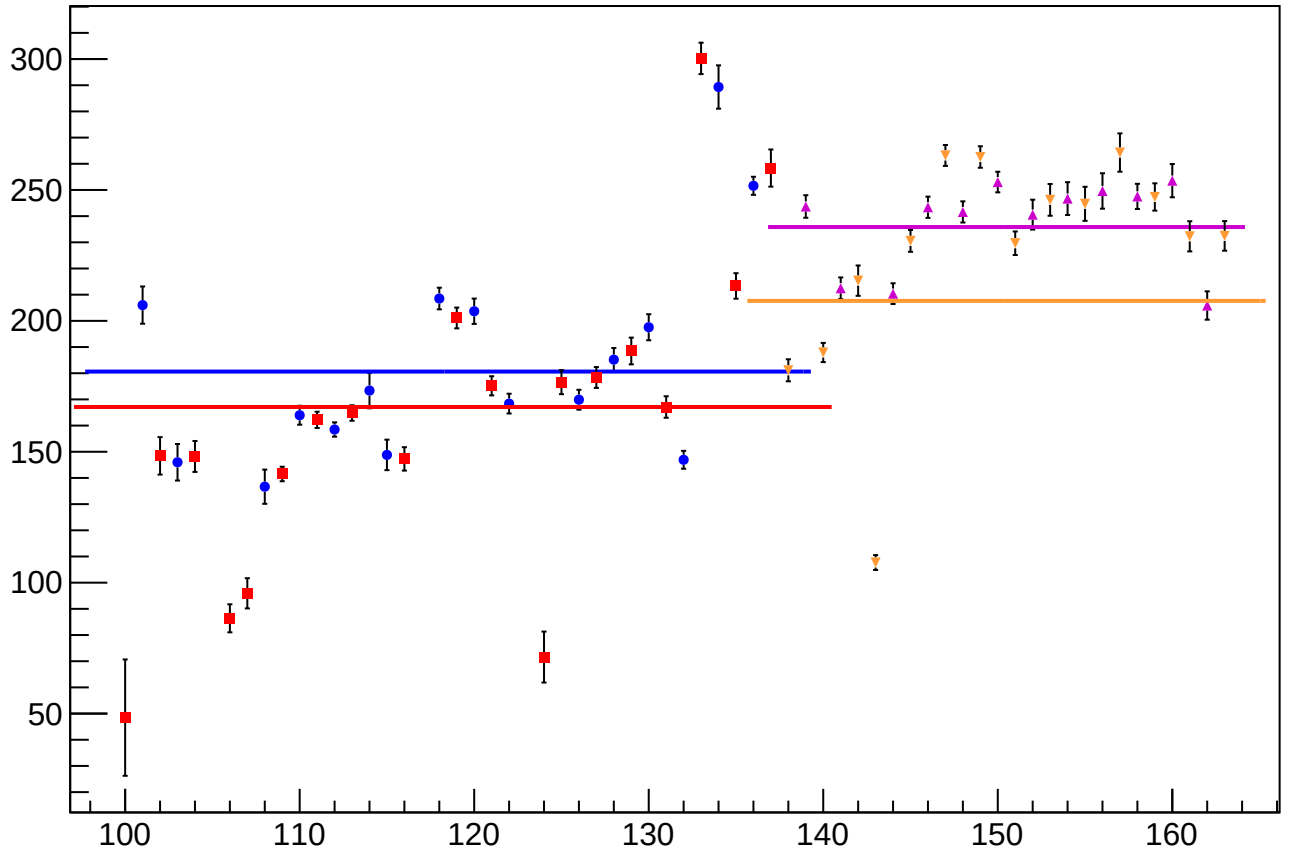
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.533+/-0.015 χ^2/NDF:11777.9/11

+ sign -4.415+/-0.013 χ^2/NDF: 1172455.9/29

All: -5.264+/-0.009 χ^2/NDF: 1902729.8/60

- sign -6.143+/-0.014 χ^2/NDF: 721993.9/30



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

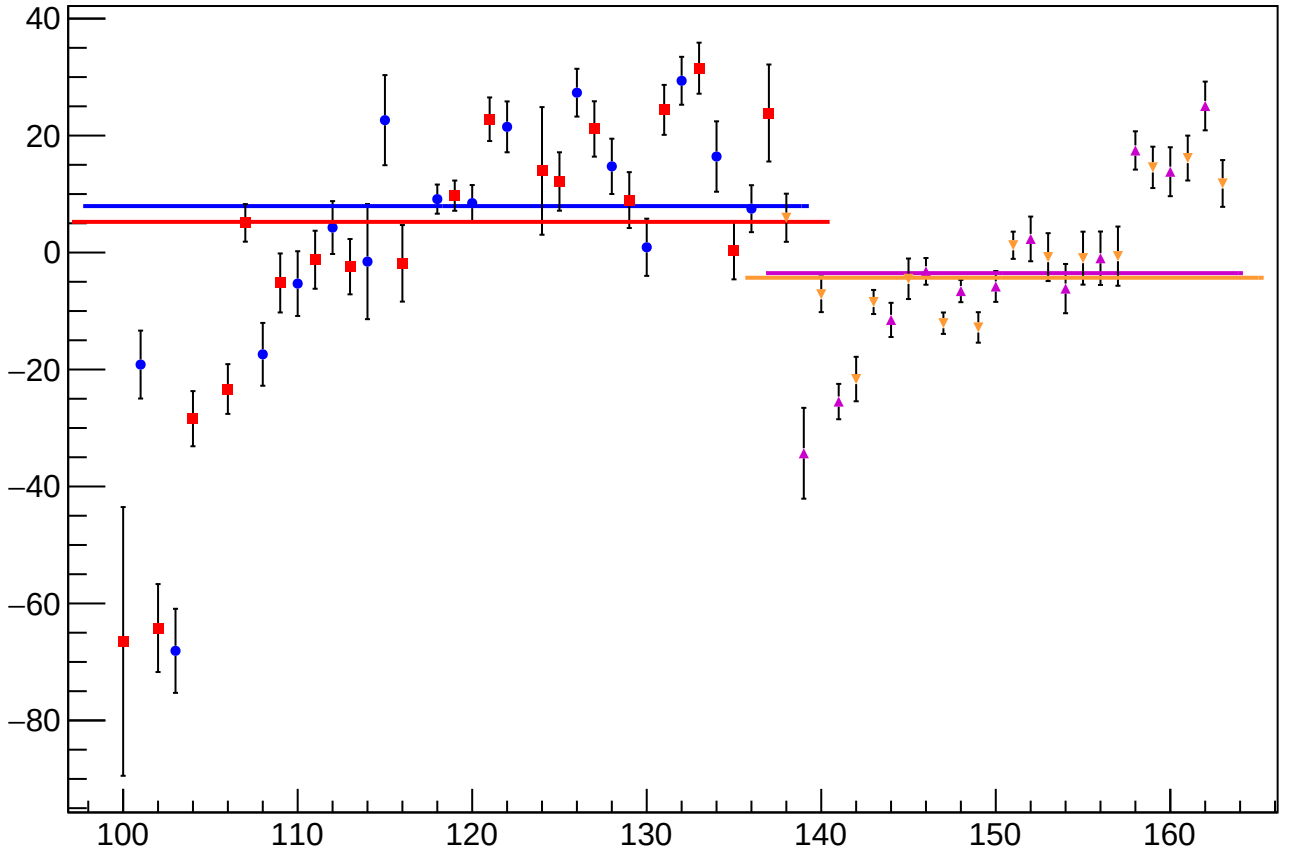
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

\+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60

\- sign 191.933+/-0.816 χ^2/NDF: 3275.7/30



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

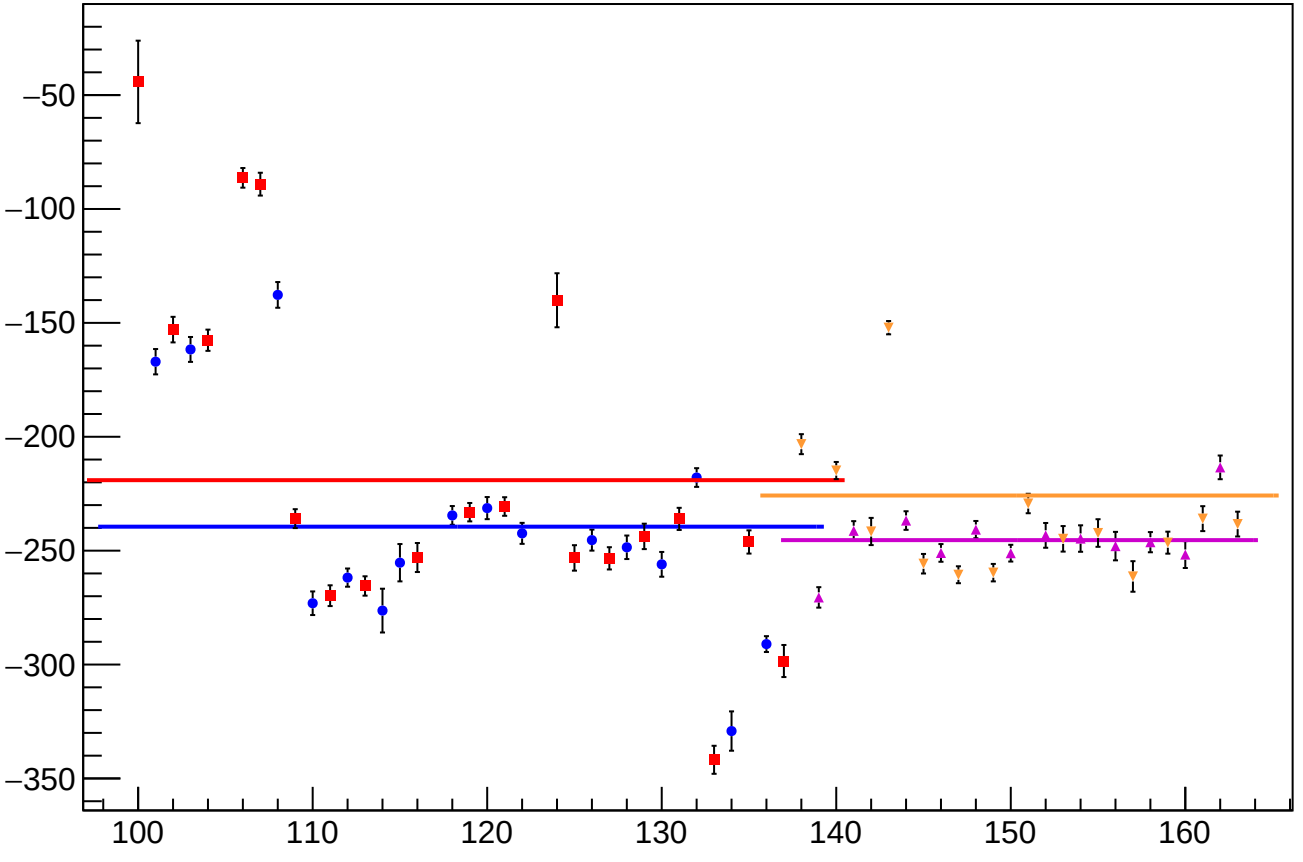
Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.013+/-0.473 χ^2/NDF: 984.0/60

- sign 0.141+/-0.686 χ^2/NDF: 530.3/30

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

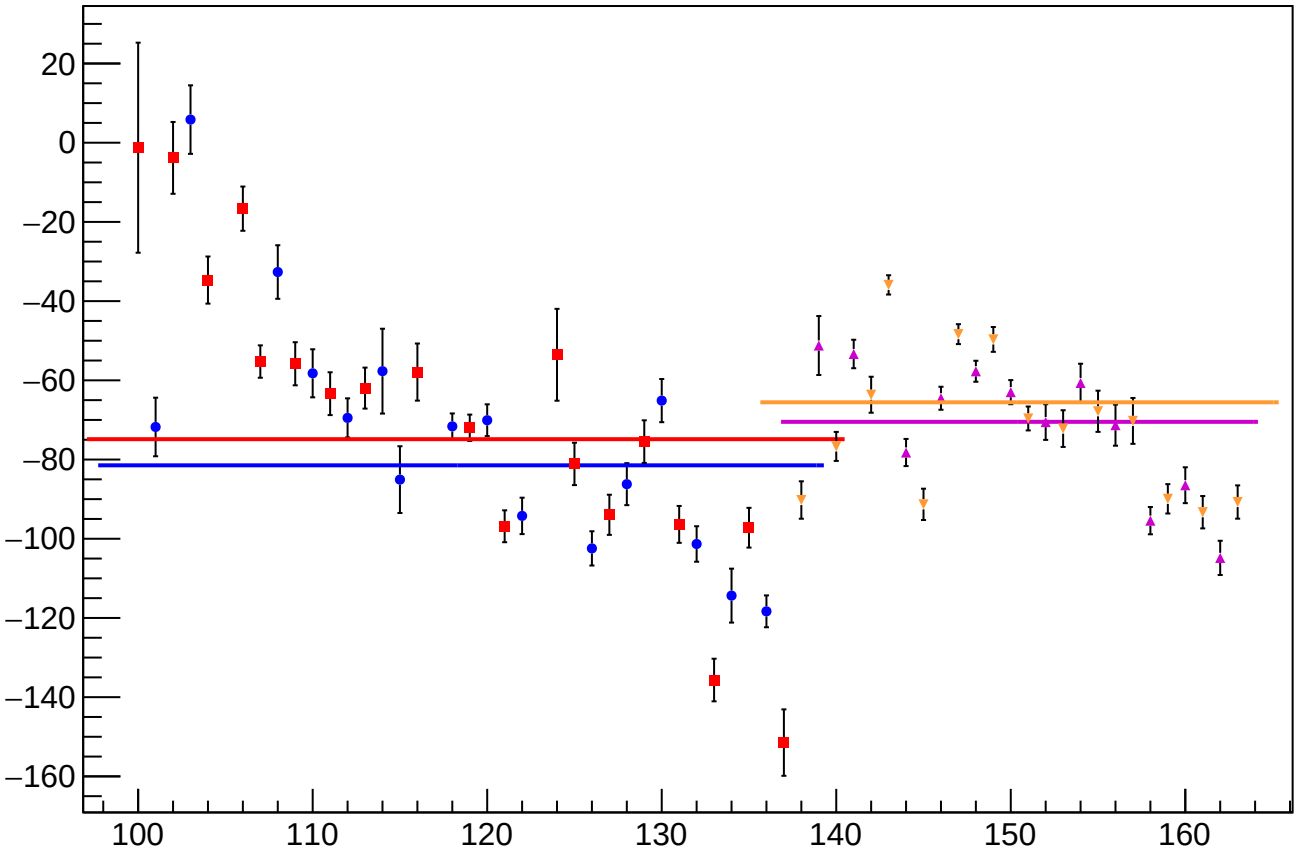
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -245.374+/-1.312 χ^2/NDF:81.9/11

+ sign -232.309+/-0.860 χ^2/NDF: 2191.7/29

All: -231.560+/-0.614 χ^2/NDF: 5547.6/60

- sign -230.782+/-0.876 χ^2/NDF: 3354.4/30



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

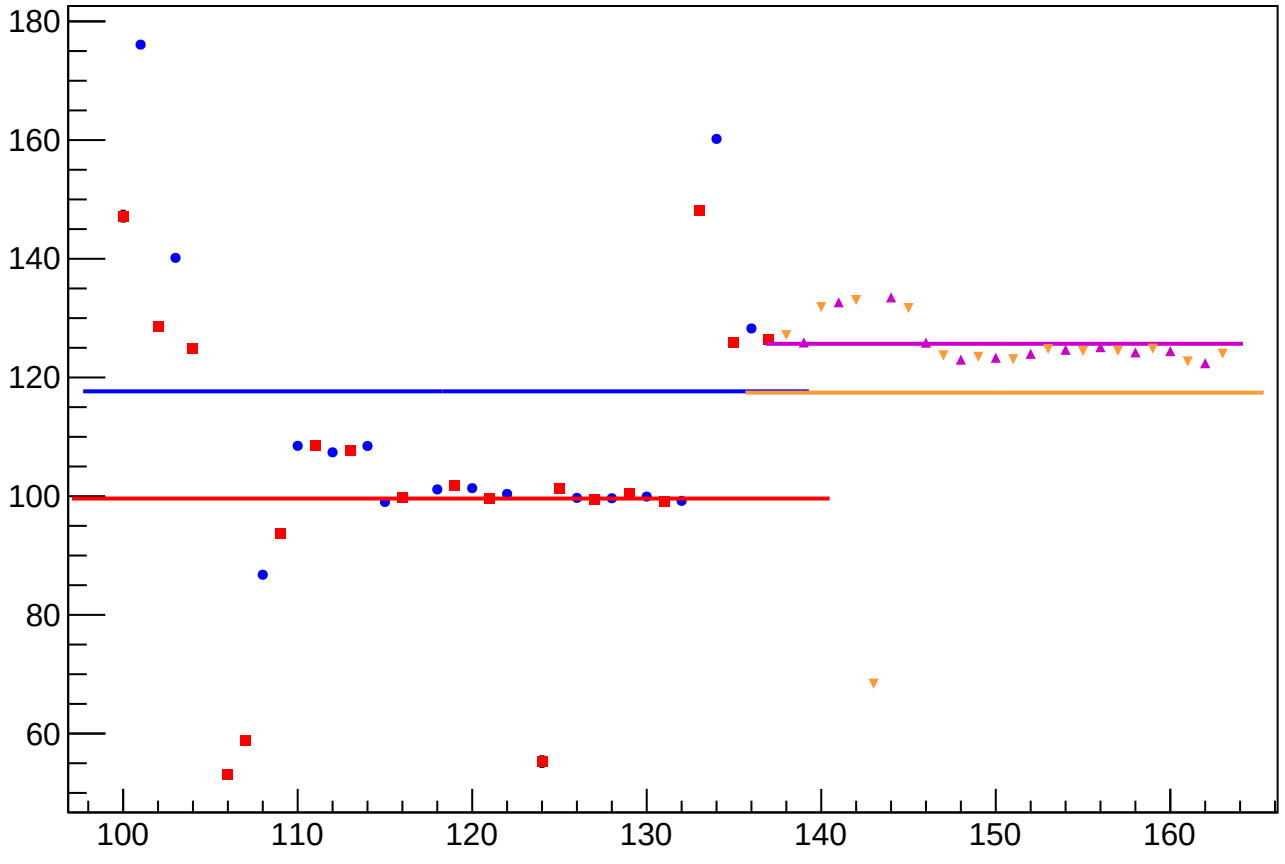
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60

- sign -72.377+/-0.810 χ^2/NDF: 784.1/30



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

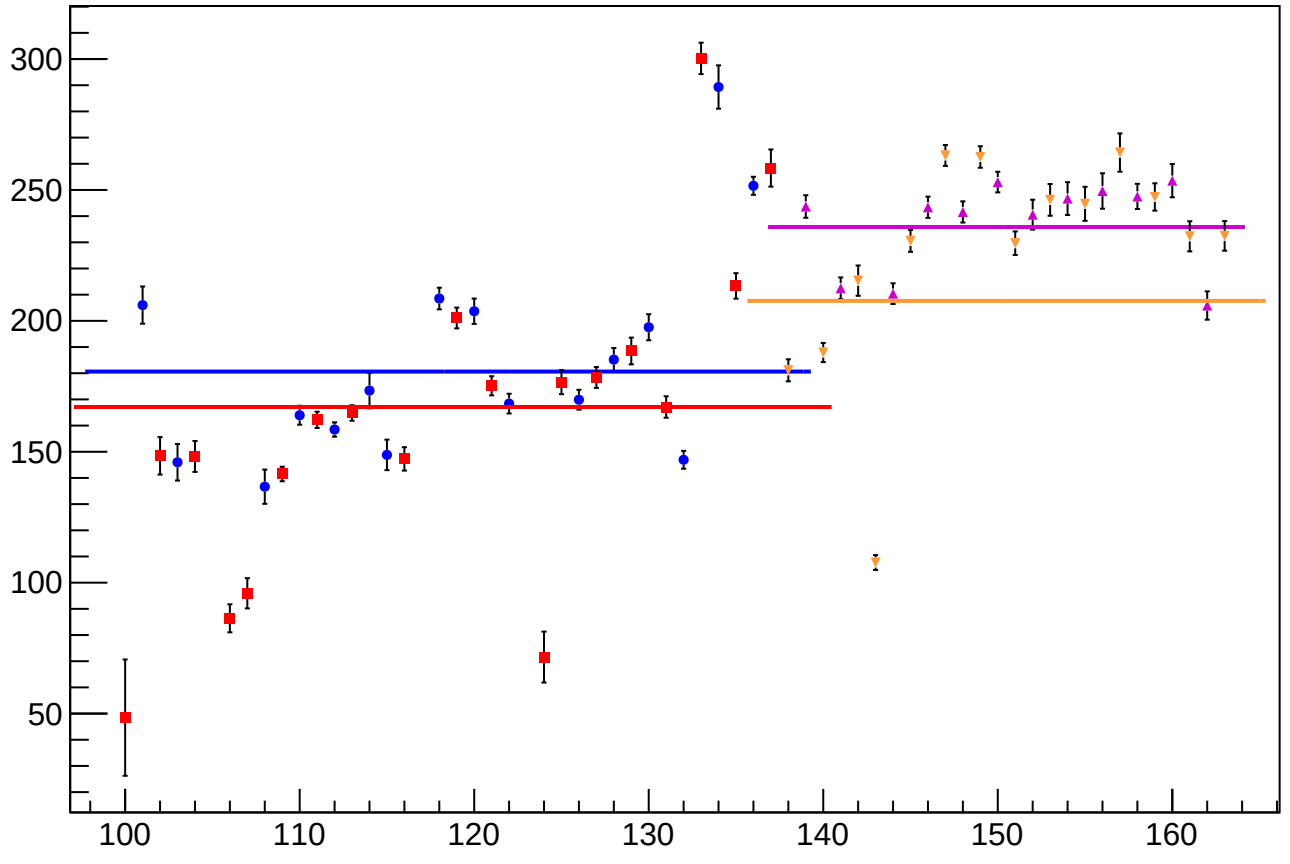
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60

- sign 116.836+/-0.041 χ^2/NDF: 261677.6/30



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

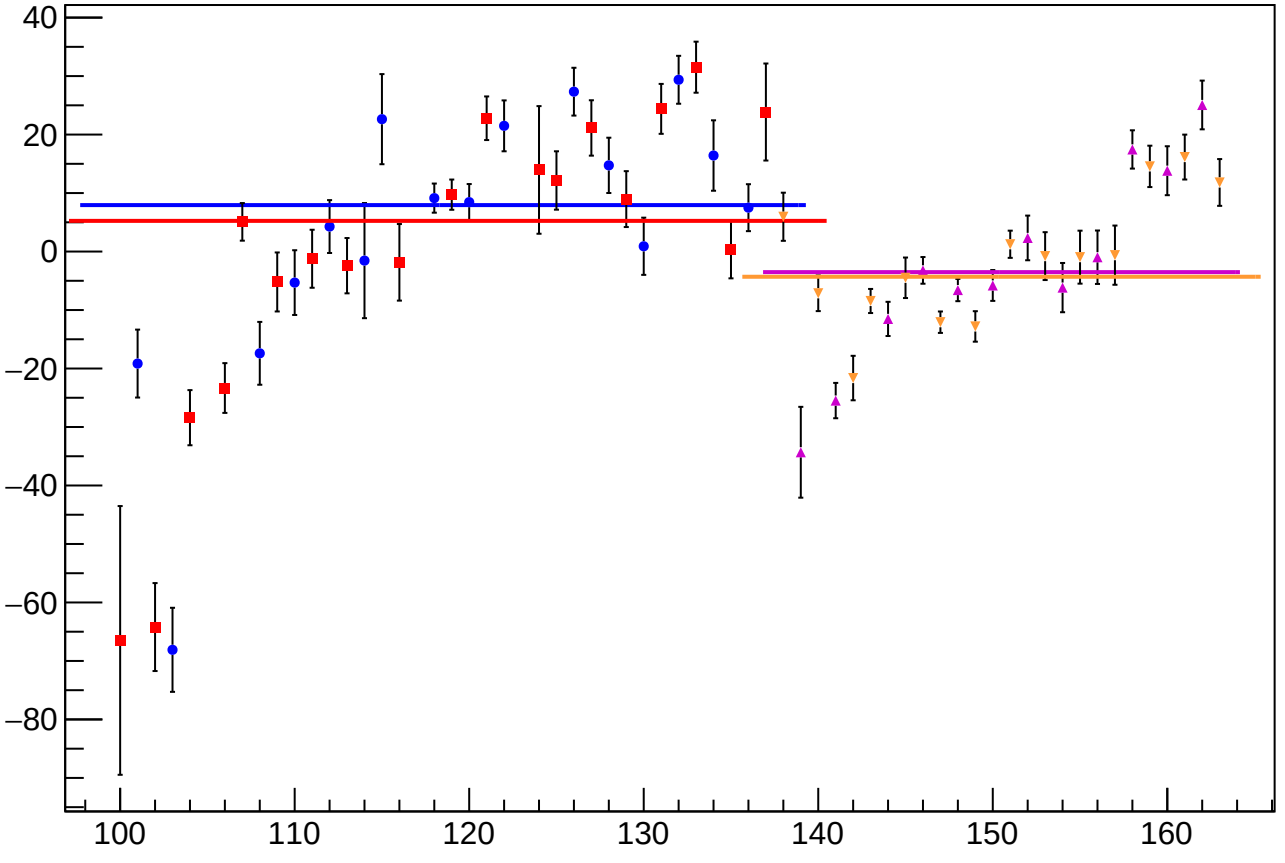
Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

+ sign 192.708+/-0.810 χ^2/NDF: 3230.8/29

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60

- sign 191.933+/-0.816 χ^2/NDF: 3275.7/30

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

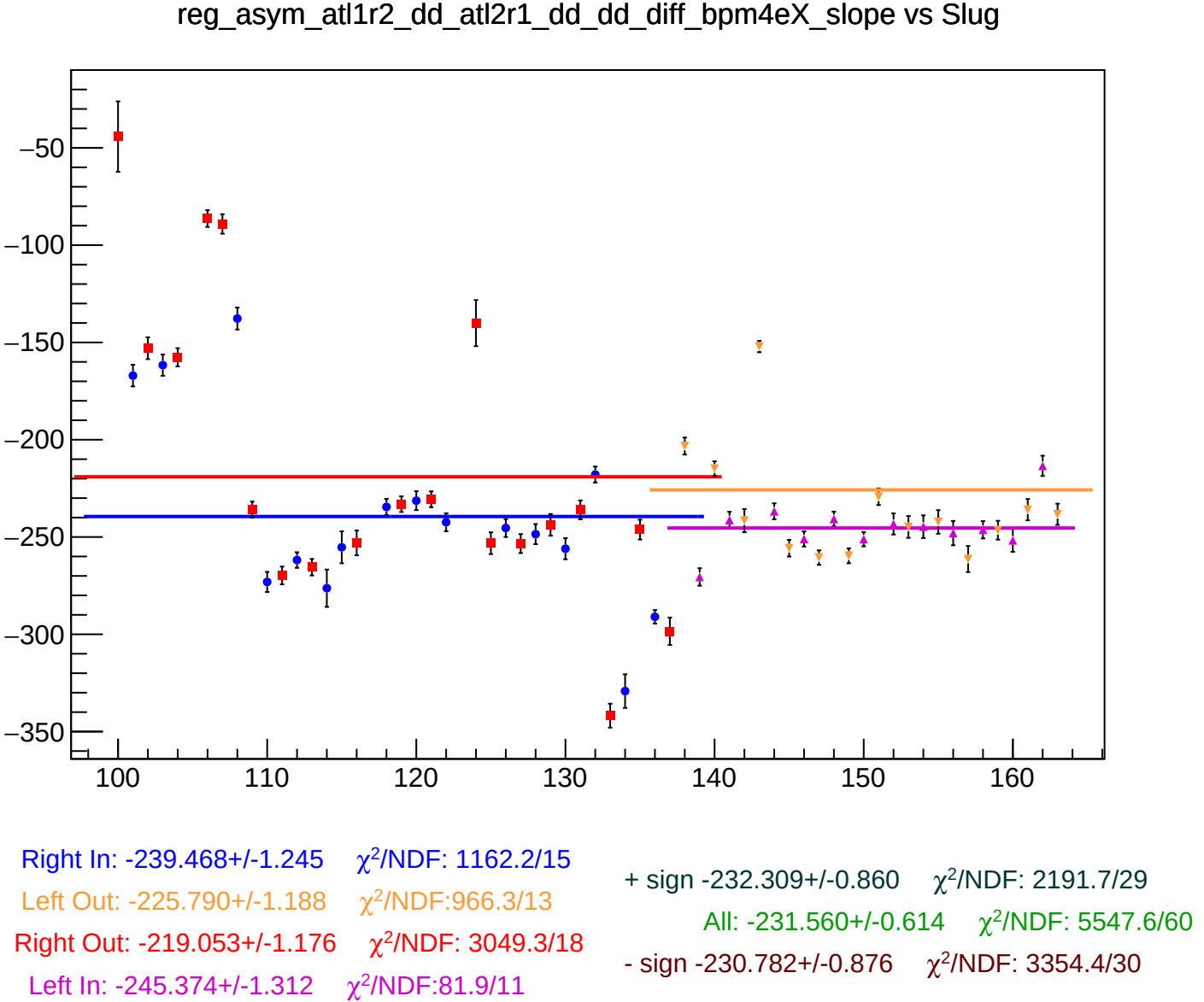
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

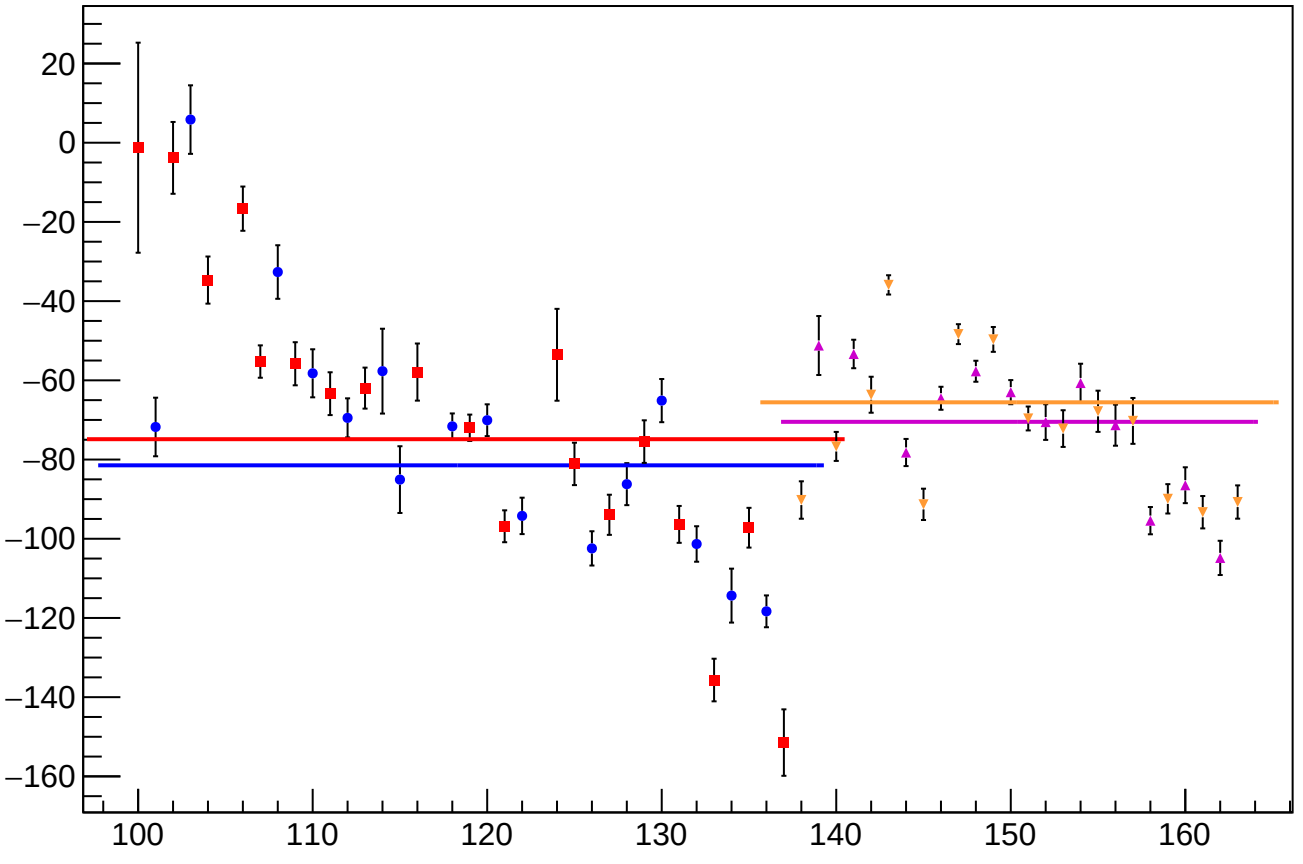
Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

+ sign -0.103+/-0.652 χ^2/NDF: 453.6/29

All: 0.013+/-0.473 χ^2/NDF: 984.0/60

- sign 0.141+/-0.686 χ^2/NDF: 530.3/30


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
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.790+/-1.188 χ²/NDF:966.3/13
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -245.374+/-1.312 χ²/NDF:81.9/11
+ sign -232.309+/-0.860 χ²/NDF: 2191.7/29
All: -231.560+/-0.614 χ²/NDF: 5547.6/60
- sign -230.782+/-0.876 χ²/NDF: 3354.4/30



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

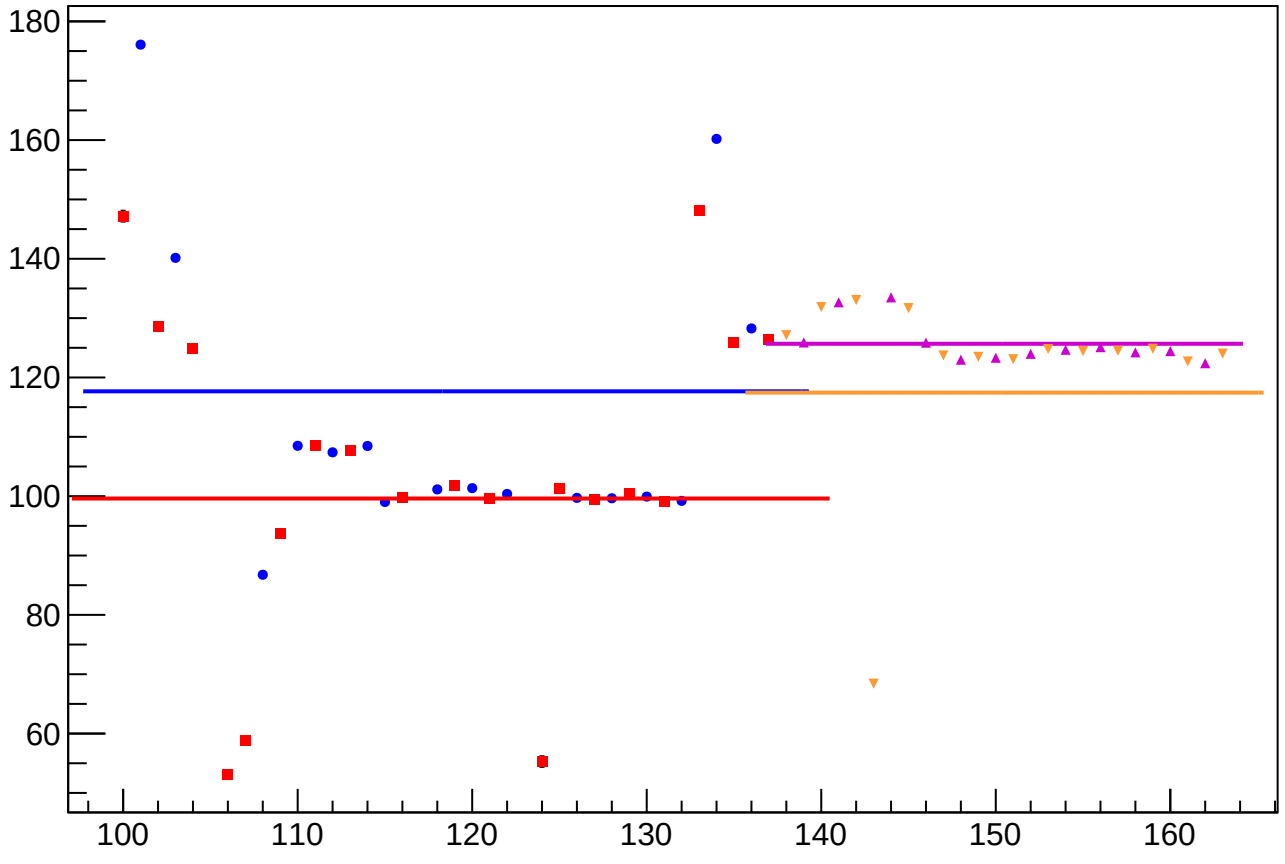
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

+ sign -71.282+/-0.772 χ^2/NDF: 894.0/29

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60

- sign -72.377+/-0.810 χ^2/NDF: 784.1/30



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

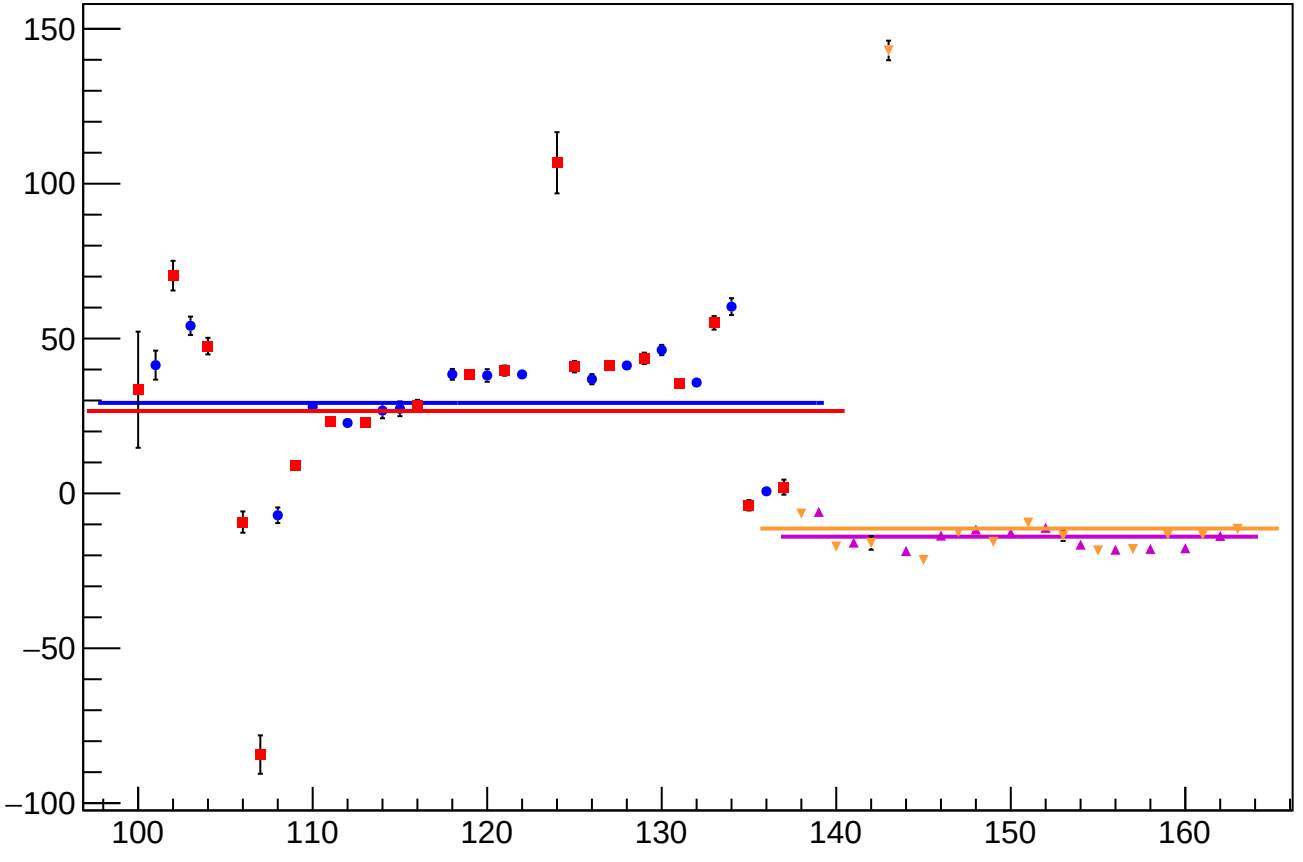
Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

+ sign 117.508+/-0.040 χ^2/NDF: 290859.3/29

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60

- sign 116.836+/-0.041 χ^2/NDF: 261677.6/30

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -11.340+/-0.409 χ^2/NDF:2529.7/13

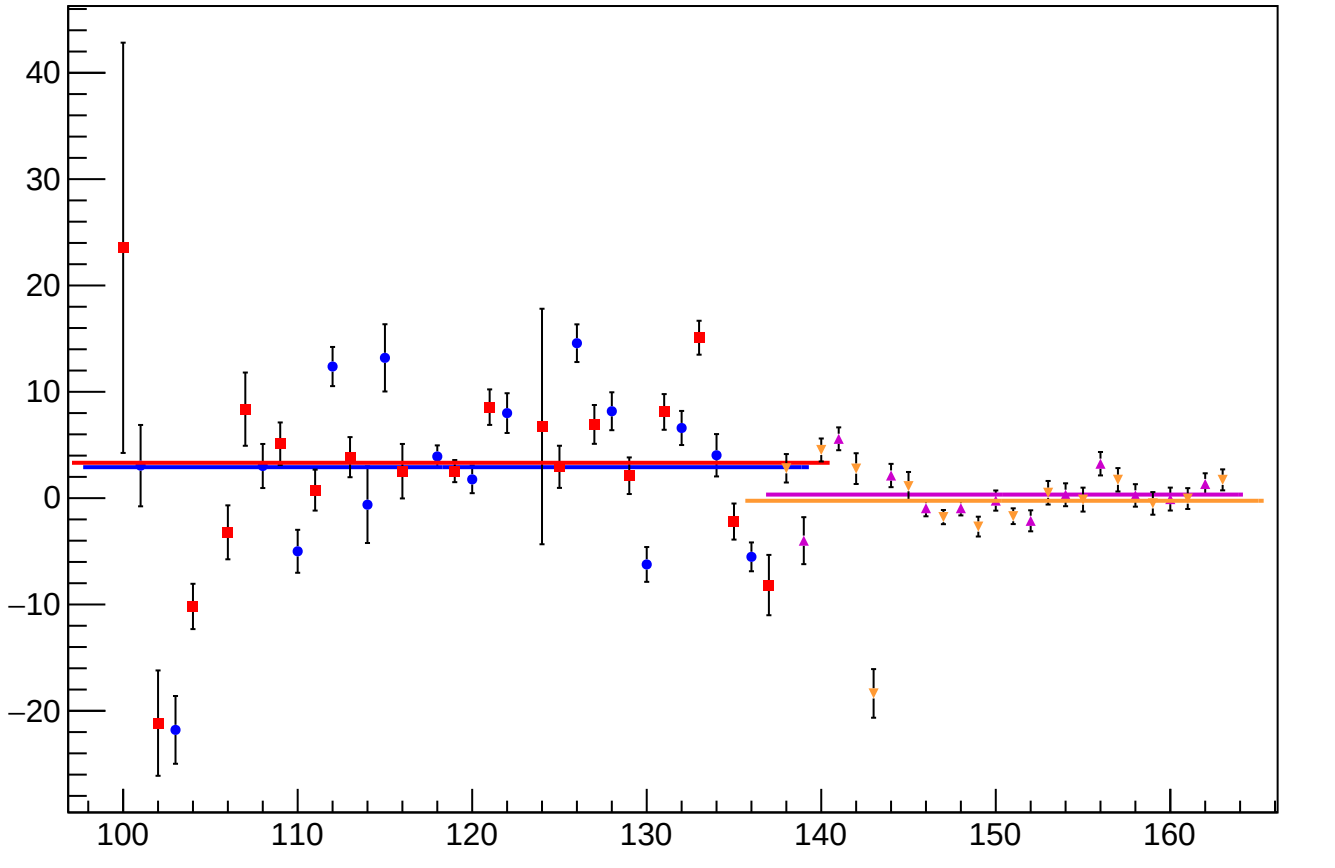
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.966+/-0.417 χ^2/NDF:82.4/11

\+ sign 8.185+/-0.294 χ^2/NDF: 8615.3/29

All: 7.328+/-0.208 χ^2/NDF: 15400.1/60

\- sign 6.473+/-0.294 χ^2/NDF: 6767.9/30



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.246+/-0.275 χ^2/NDF:116.7/13

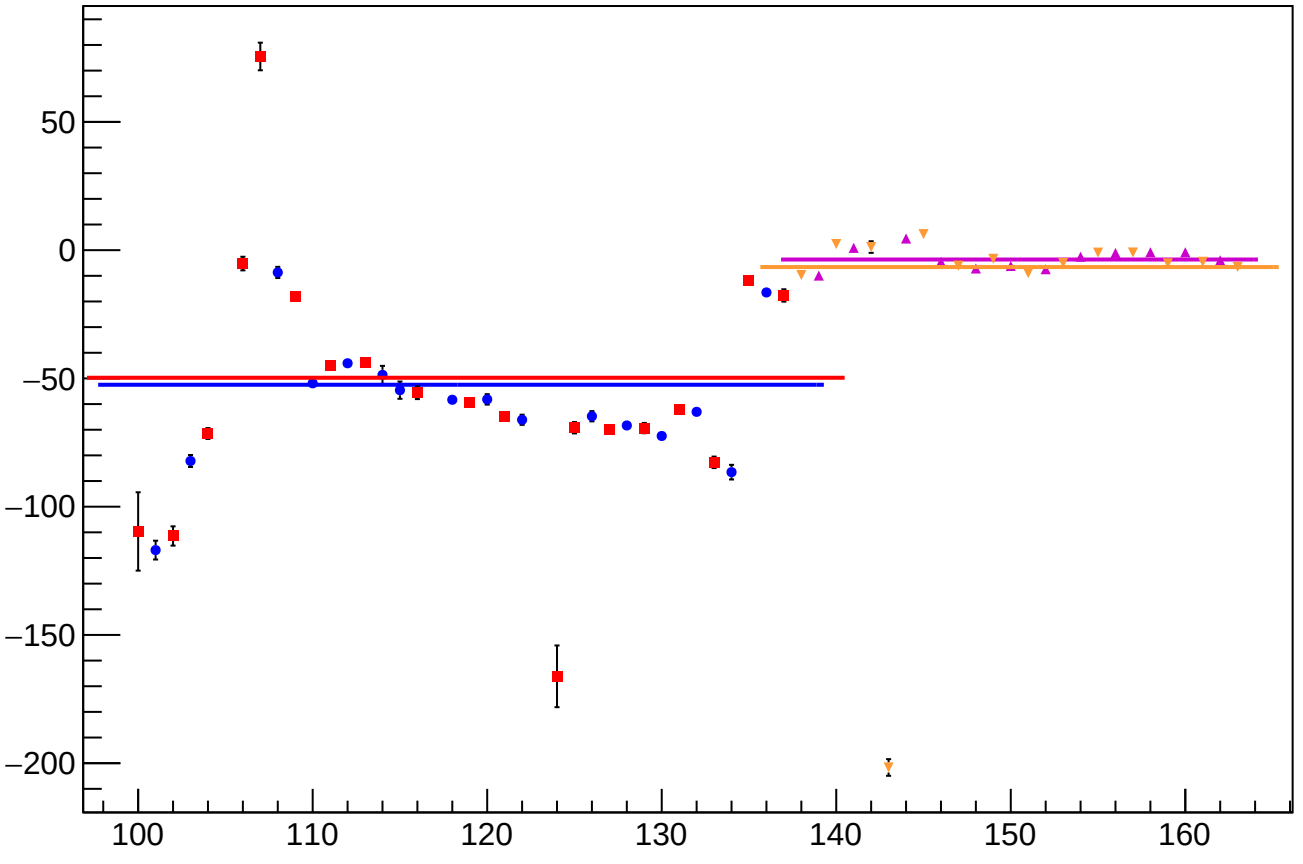
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.336+/-0.285 χ^2/NDF:51.3/11

+ sign 0.632+/-0.233 χ^2/NDF: 403.4/29

All: 0.898+/-0.168 χ^2/NDF: 670.4/60

- sign 1.182+/-0.241 χ^2/NDF: 264.3/30



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

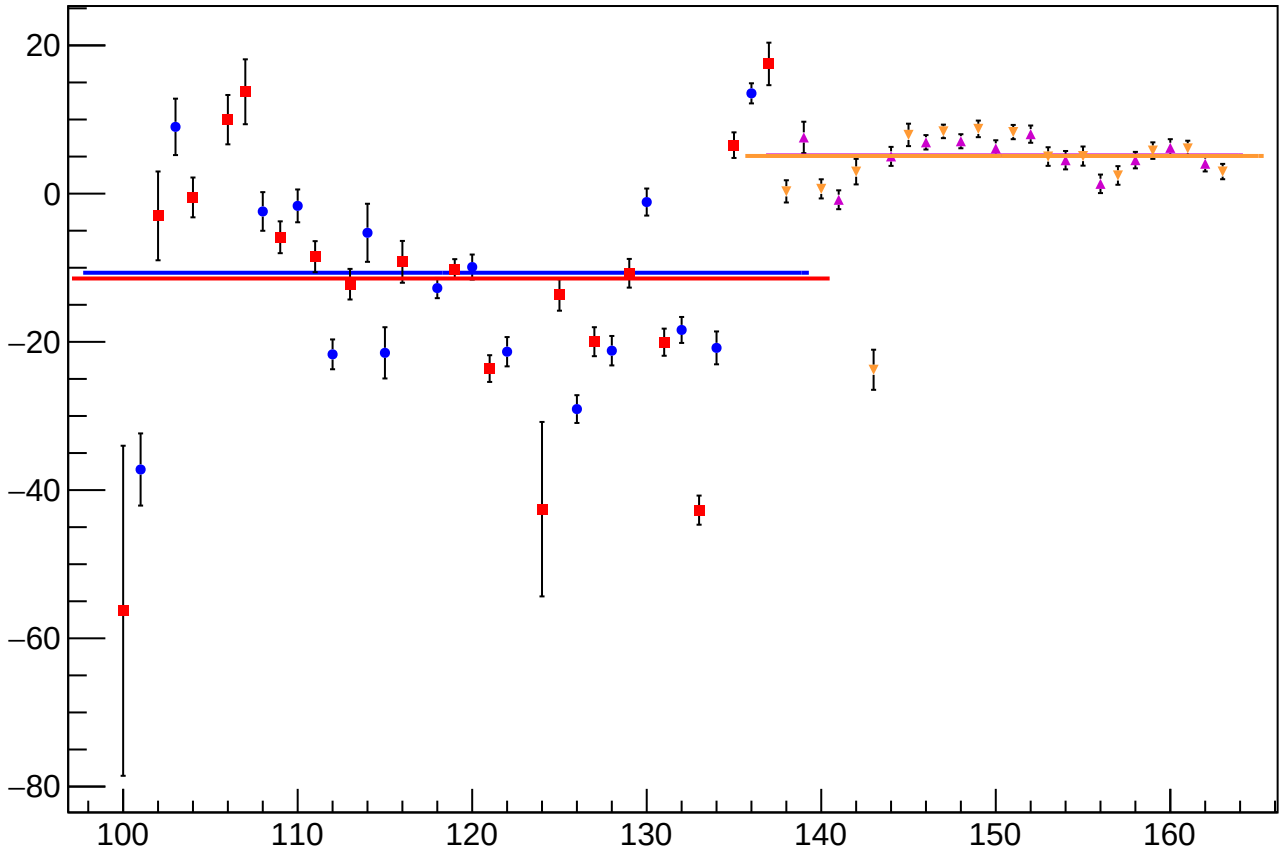
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.642+/-0.402 χ^2/NDF:91.1/11

+ sign -24.749+/-0.307 χ^2/NDF: 11463.4/29

All: -23.395+/-0.219 χ^2/NDF: 19841.2/60

- sign -21.999+/-0.312 χ^2/NDF: 8338.3/30



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

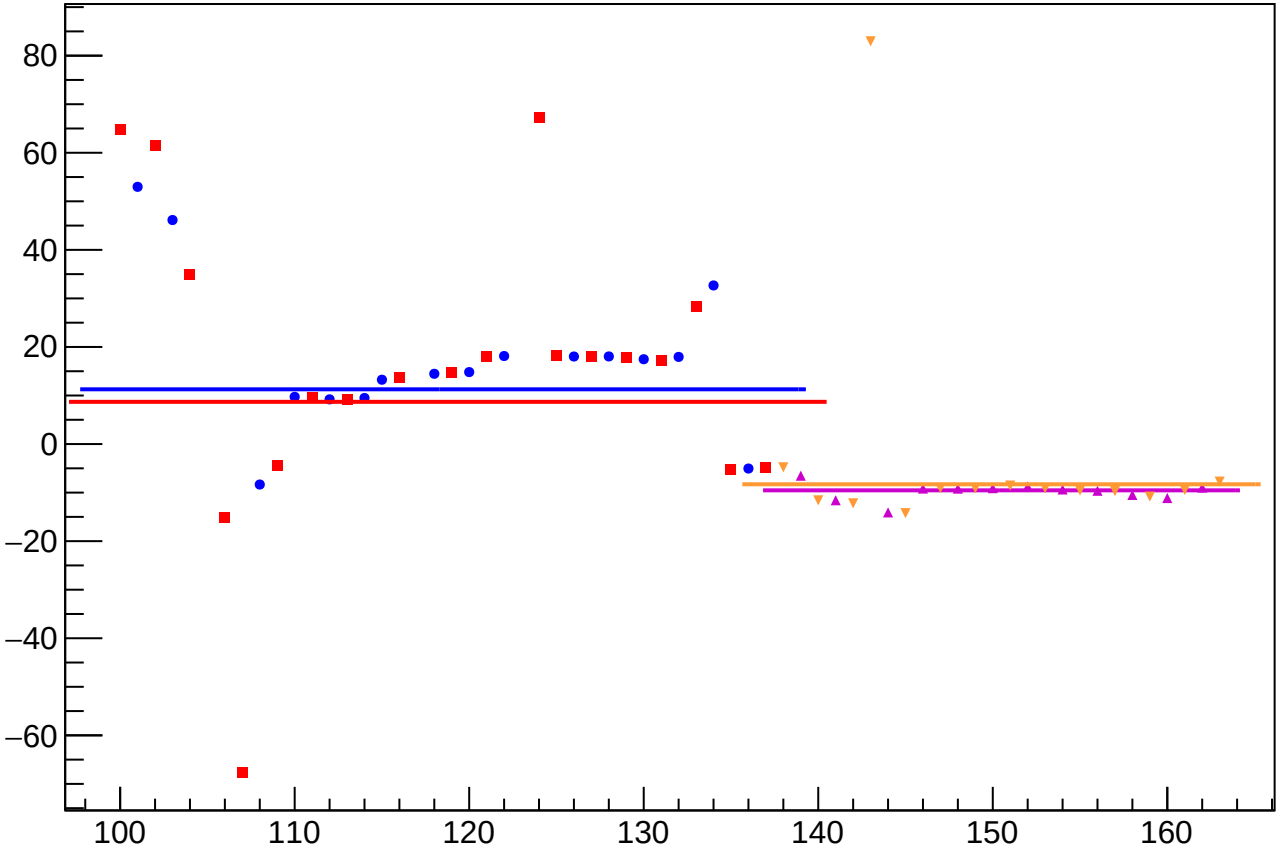
Left In: 5.157+/-0.334 χ^2/NDF:49.5/11

\+ sign 0.505+/-0.272 χ^2/NDF: 1541.7/29

All: 0.379+/-0.195 χ^2/NDF: 2986.6/60

\- sign 0.244+/-0.281 χ^2/NDF: 1444.5/30

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.284+/-0.015 χ^2/NDF:480269.8/13

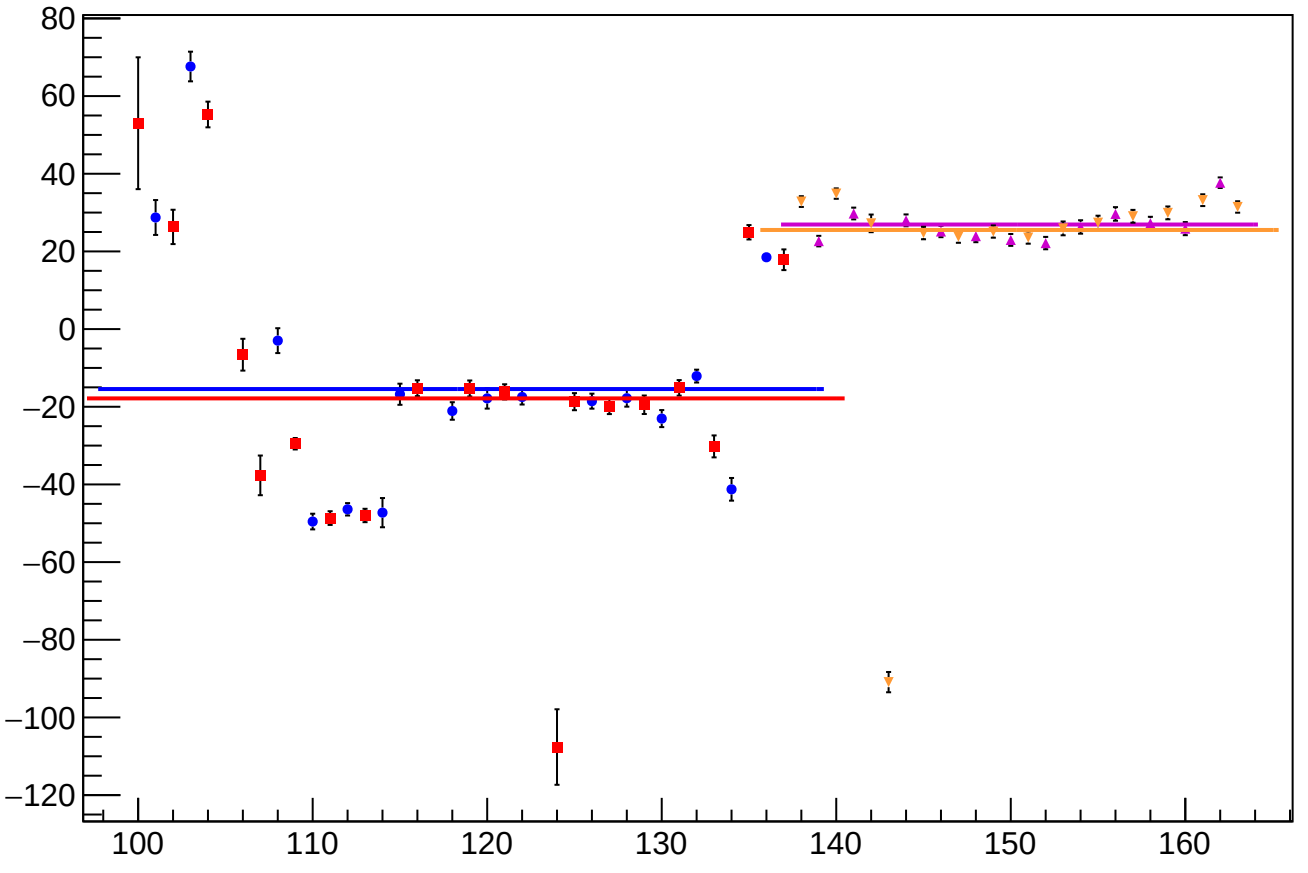
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.533+/-0.015 χ^2/NDF:11777.9/11

+ sign -4.415+/-0.013 χ^2/NDF: 1172455.9/29

All: -5.264+/-0.009 χ^2/NDF: 1902729.8/60

- sign -6.143+/-0.014 χ^2/NDF: 721993.9/30



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.523+/-0.436 χ^2/NDF:2121.2/13

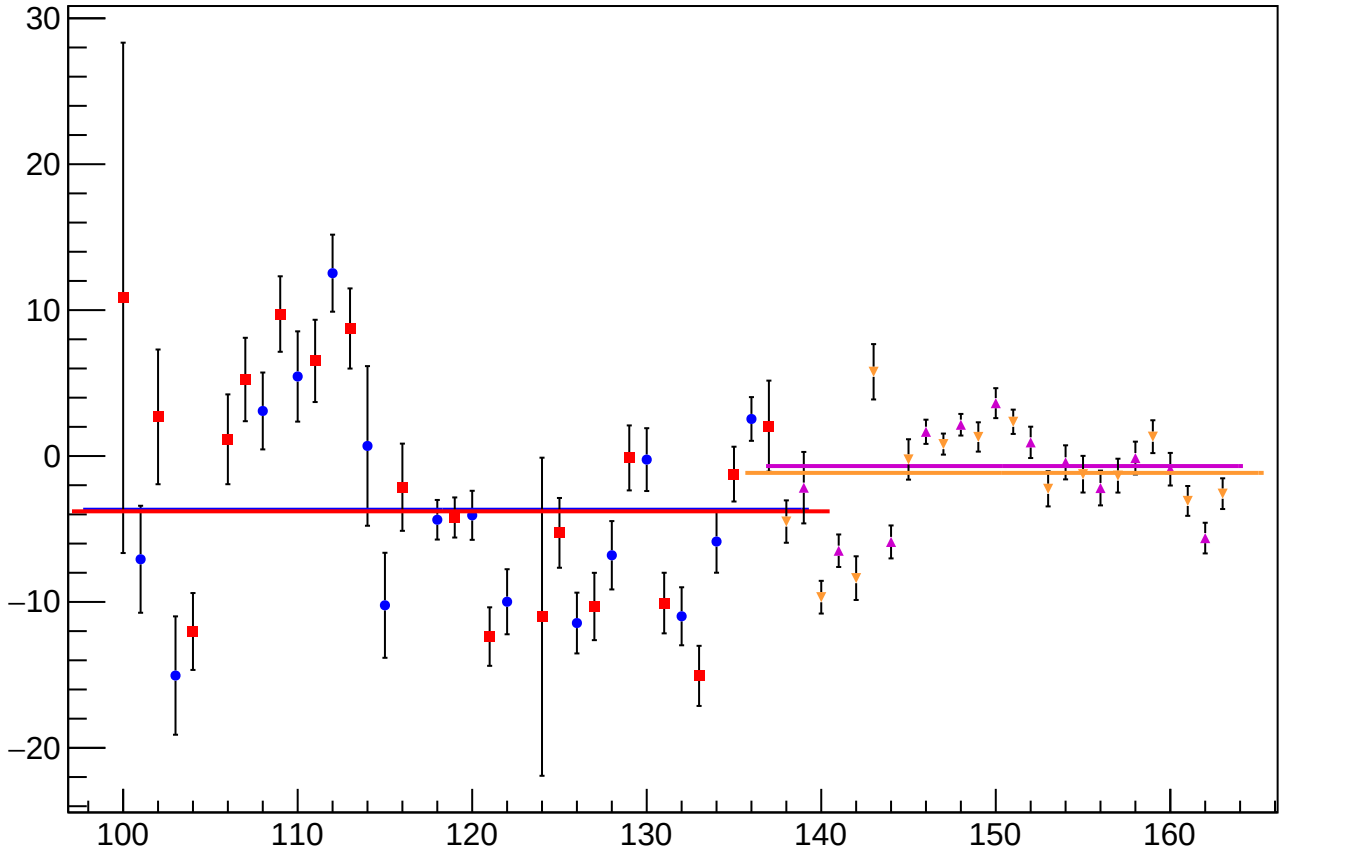
Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

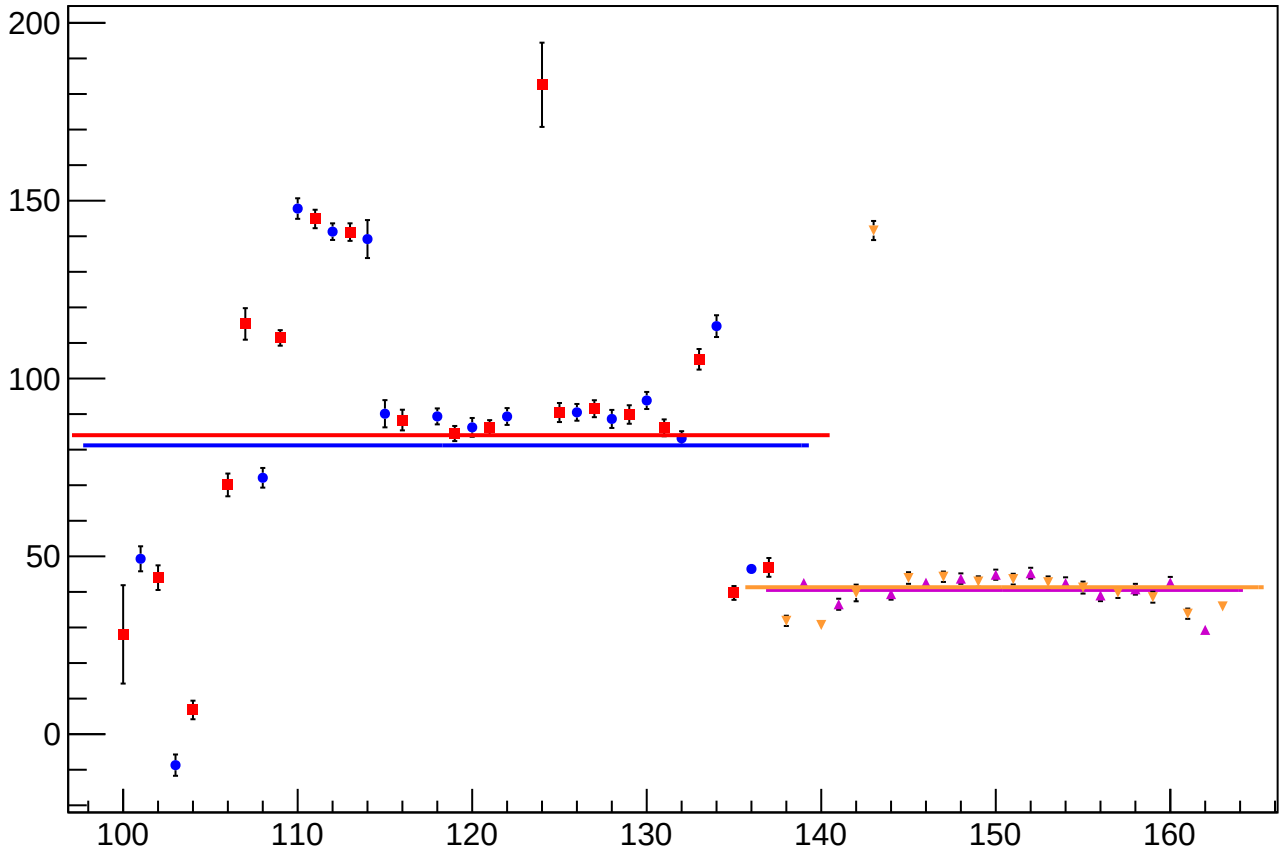
Left In: 26.926+/-0.446 χ^2/NDF:100.2/11

+ sign 9.342+/-0.339 χ^2/NDF: 7738.6/29

All: 8.840+/-0.240 χ^2/NDF: 14147.2/60

- sign 8.332+/-0.341 χ^2/NDF: 6404.1/30


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.155+/-0.294 χ²/NDF:142.3/13
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.687+/-0.305 χ²/NDF:115.2/11
+ sign -1.713+/-0.259 χ²/NDF: 282.6/29
All: -1.555+/-0.186 χ²/NDF: 583.2/60
- sign -1.388+/-0.268 χ²/NDF: 299.9/30



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

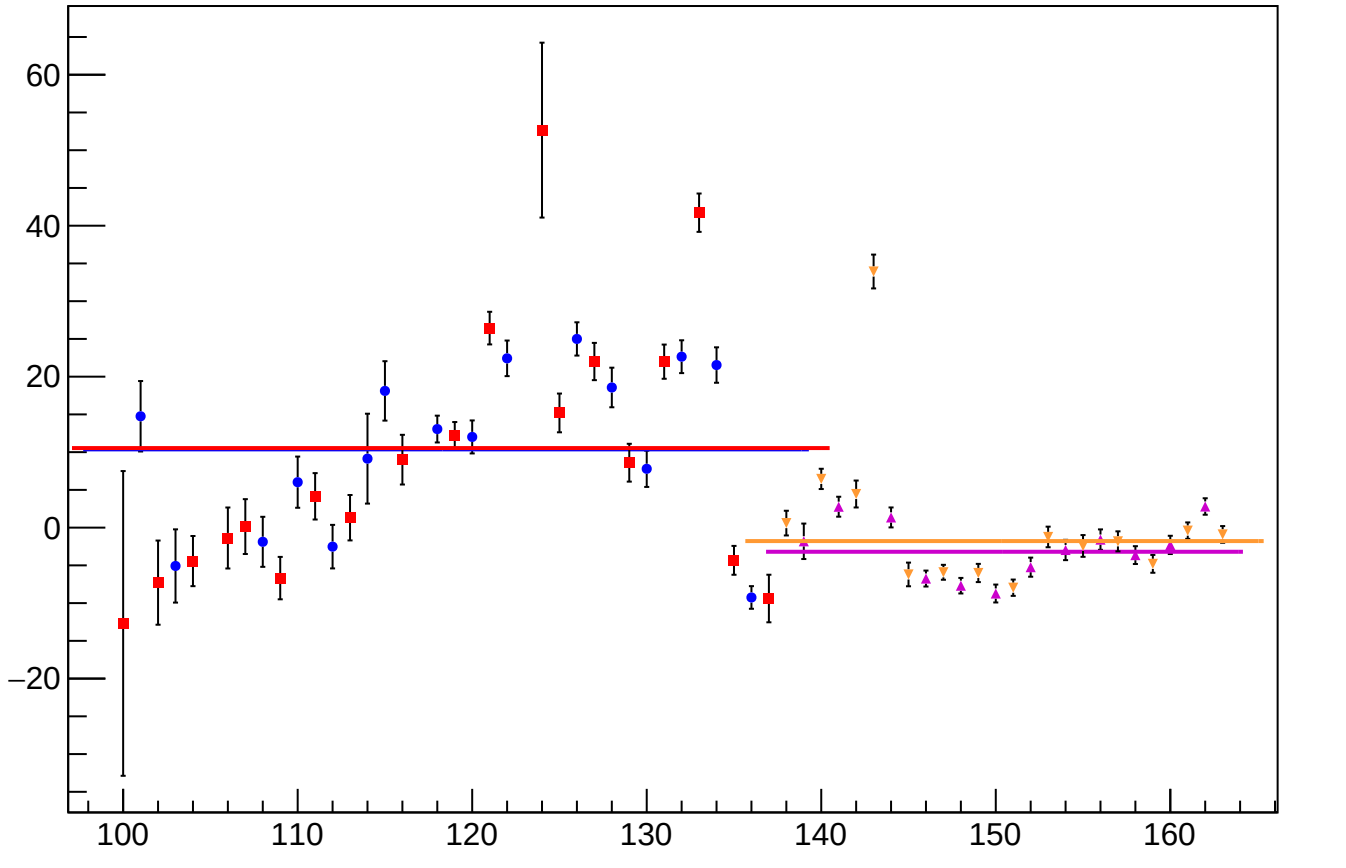
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.563+/-0.430 χ^2/NDF:112.1/11

\+ sign 54.287+/-0.346 χ^2/NDF: 7696.1/29

All: 54.544+/-0.247 χ^2/NDF: 14366.5/60

\- sign 54.812+/-0.353 χ^2/NDF: 6669.3/30



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.782+/-0.345 χ^2/NDF:385.5/13

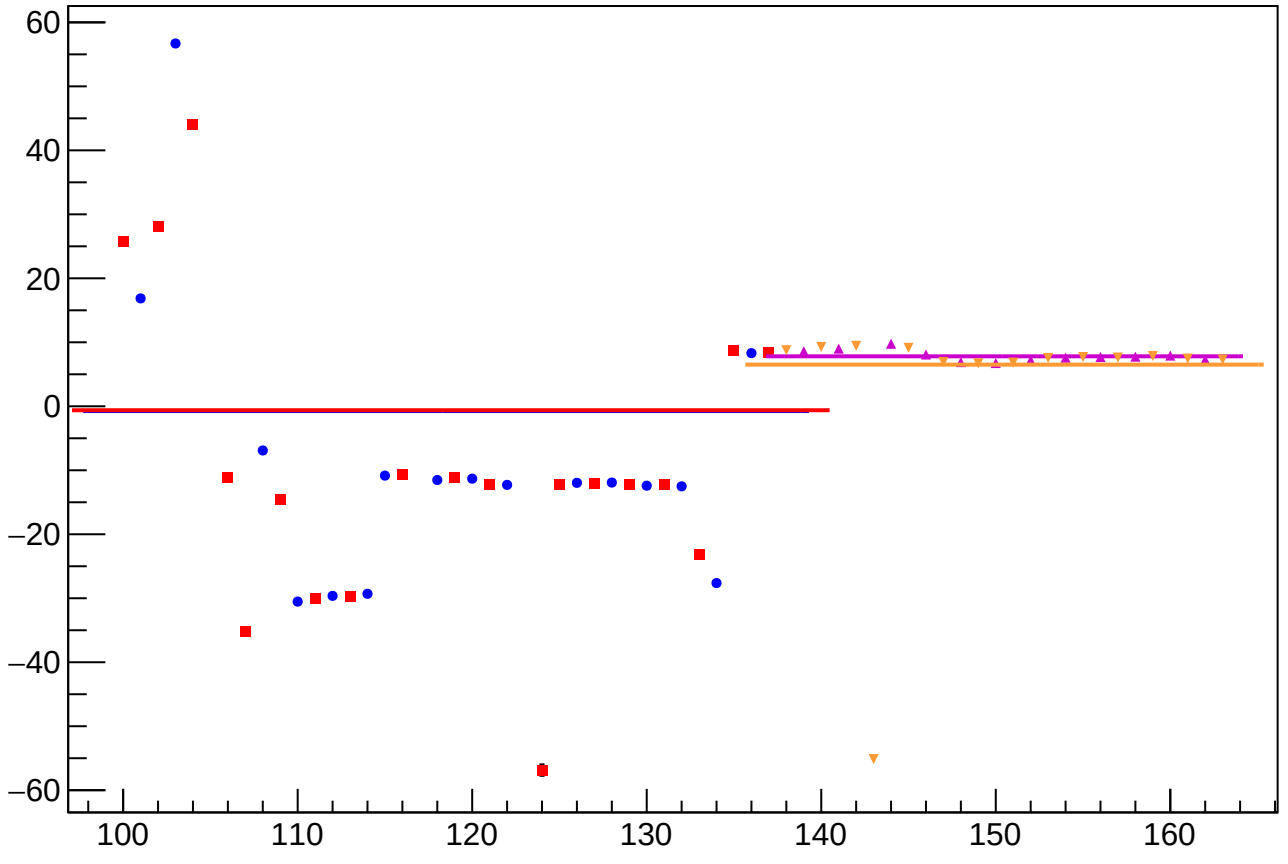
Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -3.197+/-0.357 χ^2/NDF:119.6/11

+ sign 1.049+/-0.302 χ^2/NDF: 1033.7/29

All: 0.571+/-0.217 χ^2/NDF: 1980.3/60

- sign 0.062+/-0.312 χ^2/NDF: 941.4/30



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

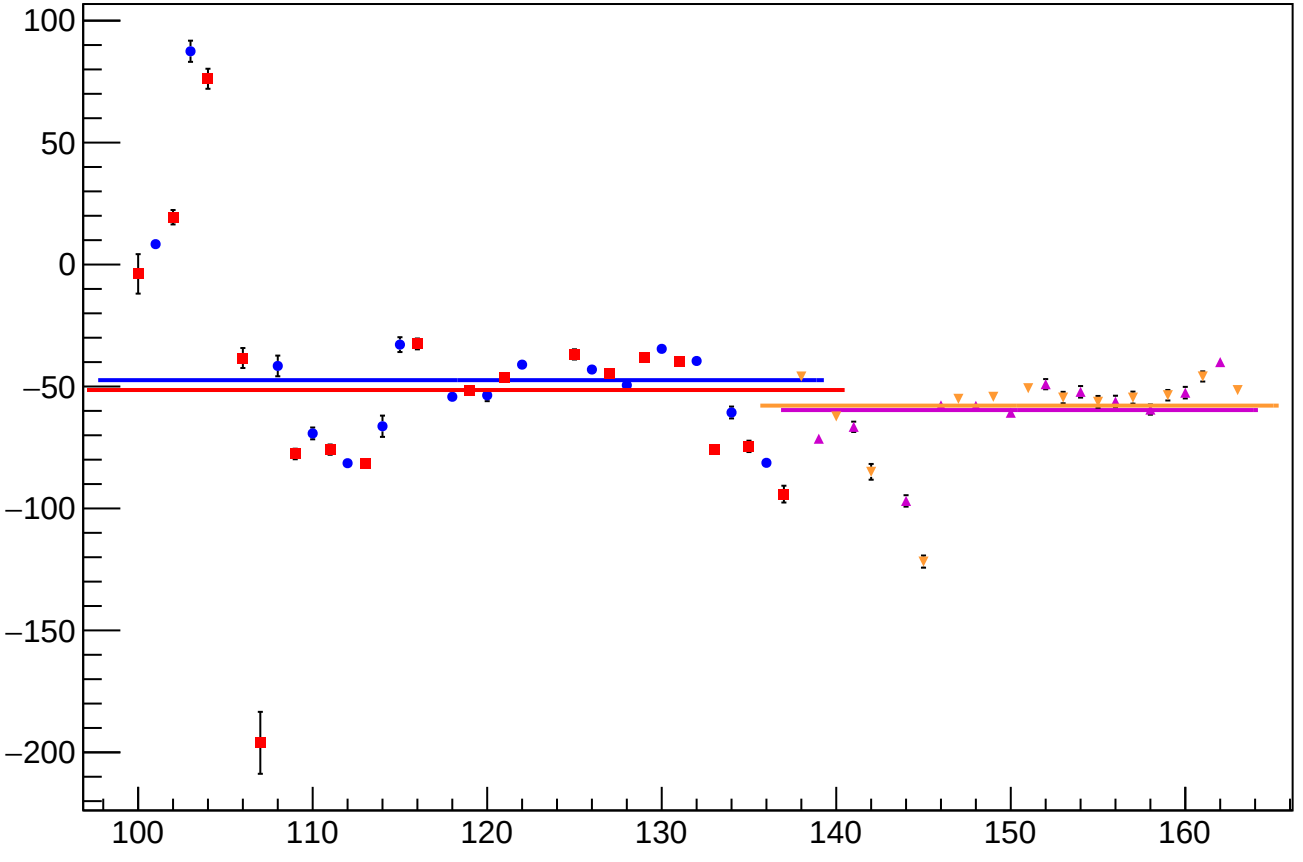
Left In: 7.809+/-0.016 χ^2/NDF:2241.6/11

+ sign 5.321+/-0.015 χ^2/NDF: 715280.8/29

All: 5.895+/-0.010 χ^2/NDF: 1080173.2/60

- sign 6.489+/-0.015 χ^2/NDF: 361712.6/30

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -57.835+/-0.587 χ^2/NDF:849.8/12

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

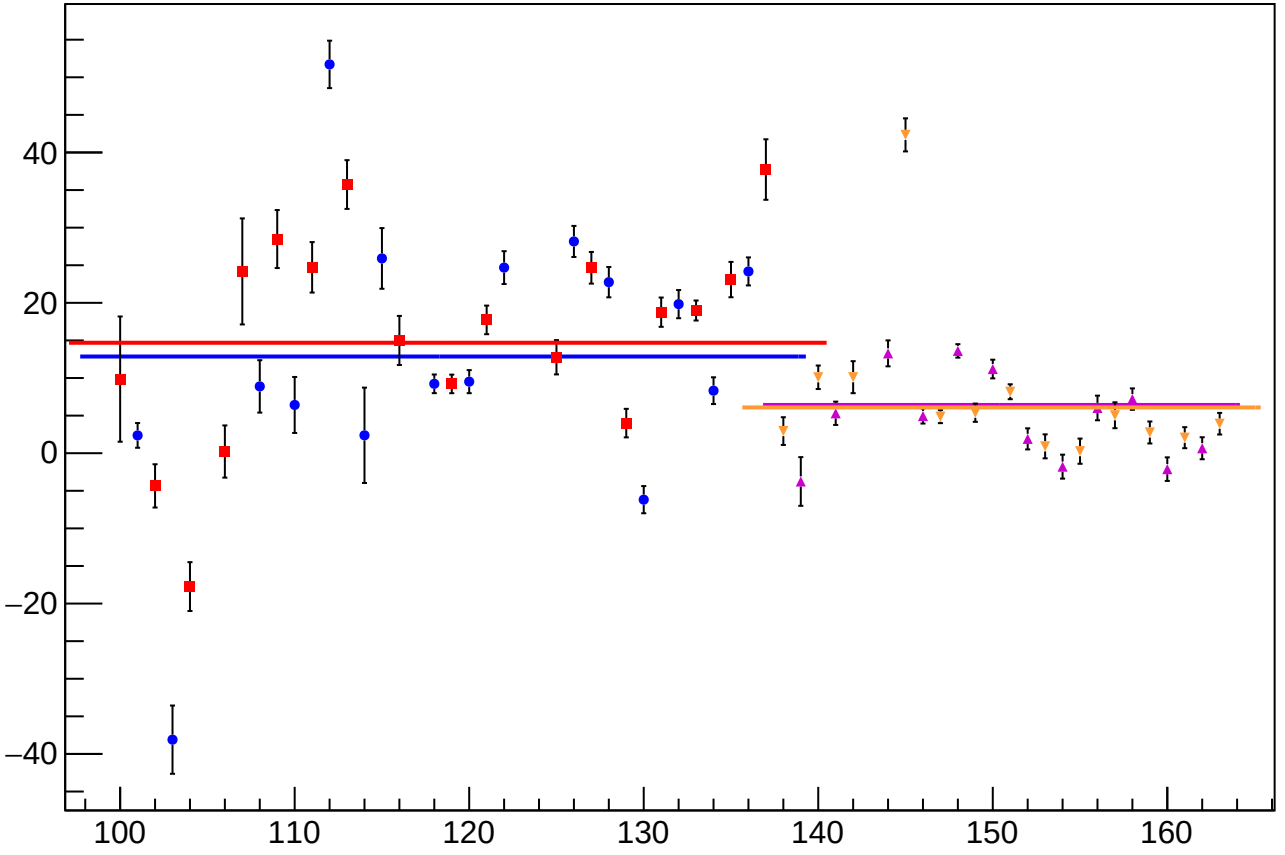
Left In: -59.666+/-0.592 χ^2/NDF:462.2/11

+ sign -52.134+/-0.395 χ^2/NDF: 3791.4/28

All: -53.655+/-0.282 χ^2/NDF: 7260.9/58

- sign -55.219+/-0.401 χ^2/NDF: 3439.5/29

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.086+/-0.386 χ^2/NDF:330.2/12

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

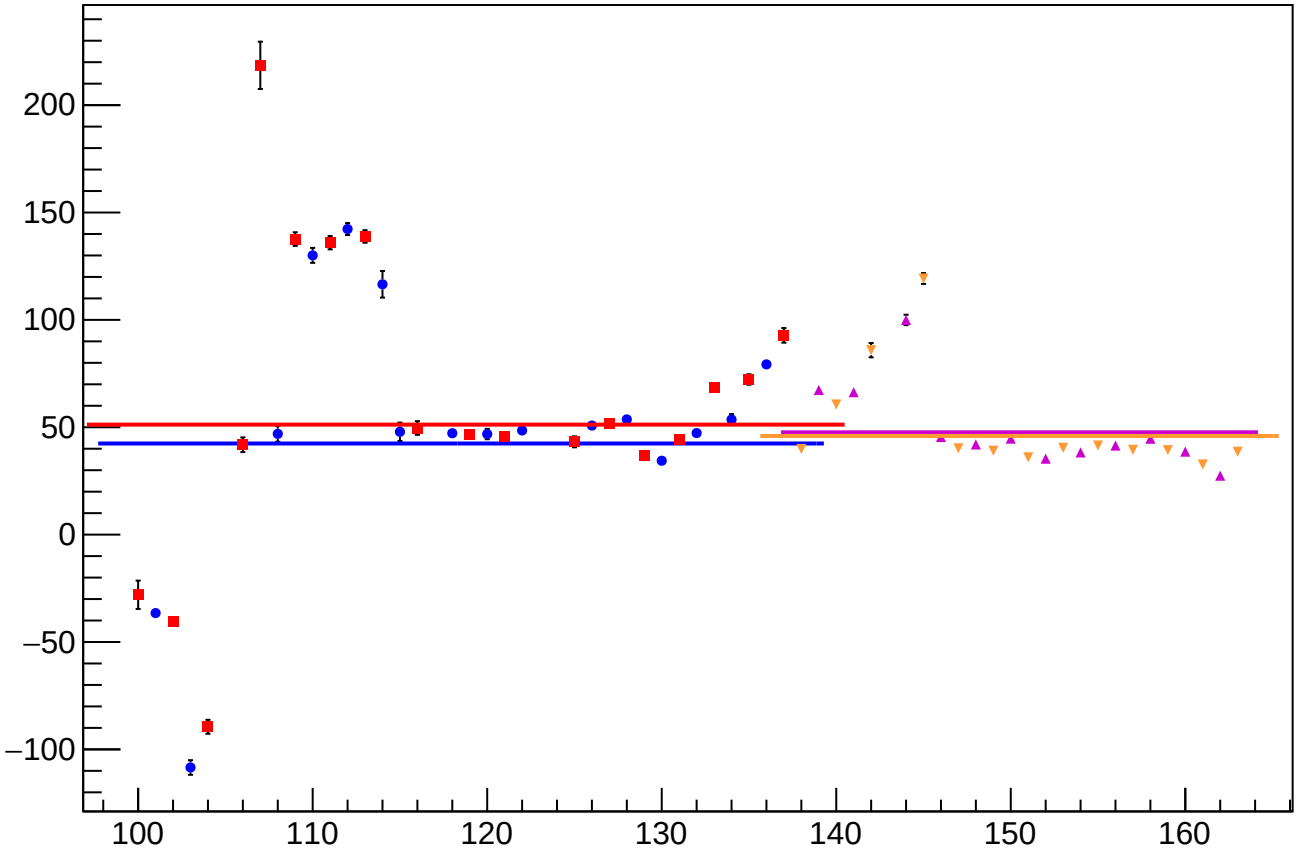
Left In: 6.419+/-0.396 χ^2/NDF:189.8/11

+ sign 8.501+/-0.310 χ^2/NDF: 1065.4/28

All: 8.879+/-0.223 χ^2/NDF: 1773.4/58

- sign 9.283+/-0.320 χ^2/NDF: 705.0/29

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.948+/-0.566 χ^2/NDF:1204.2/12

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

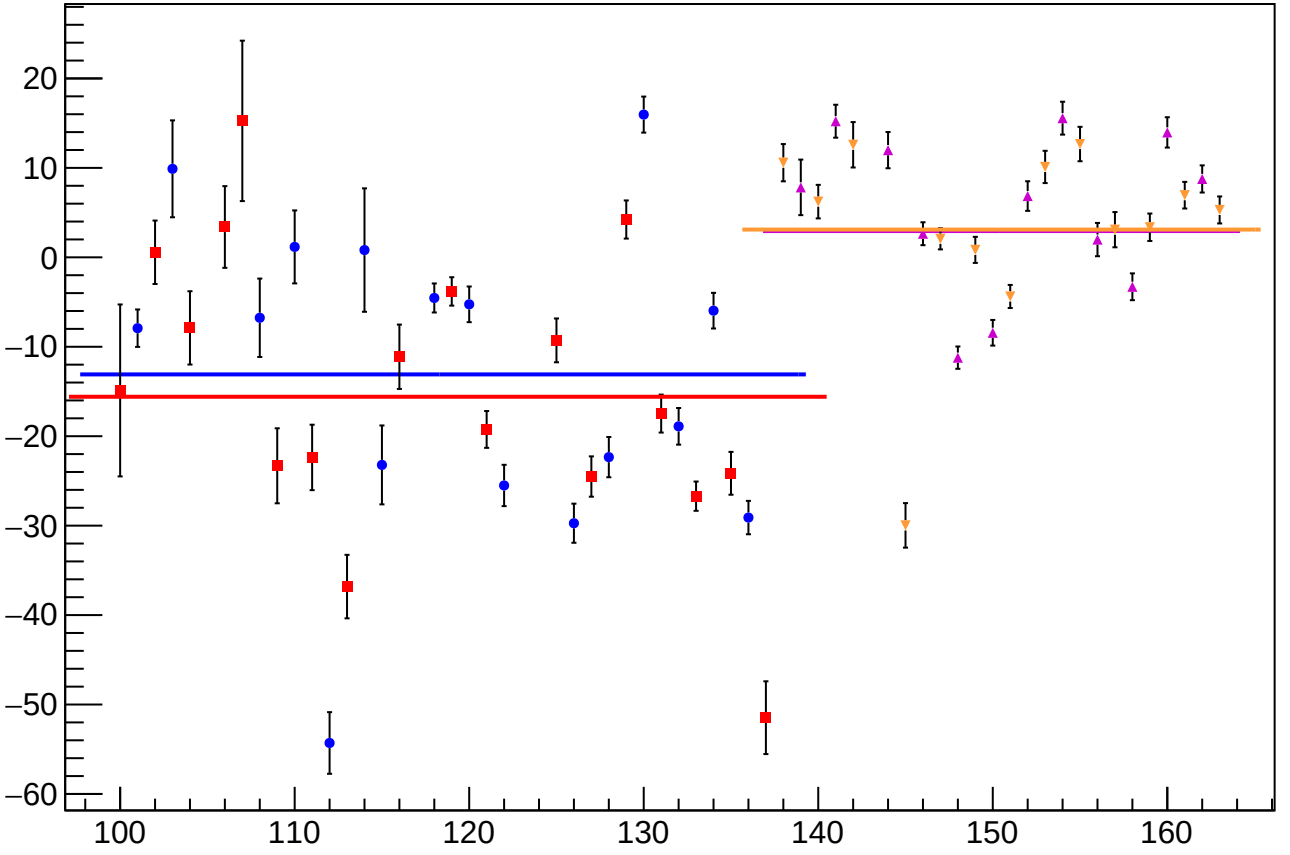
Left In: 47.647+/-0.569 χ^2/NDF:874.7/11

\+ sign 44.250+/-0.406 χ^2/NDF: 8391.7/28

All: 46.706+/-0.291 χ^2/NDF: 15971.0/58

\- sign 49.297+/-0.417 χ^2/NDF: 7504.2/29

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.103+/-0.458 χ^2/NDF:291.4/12

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

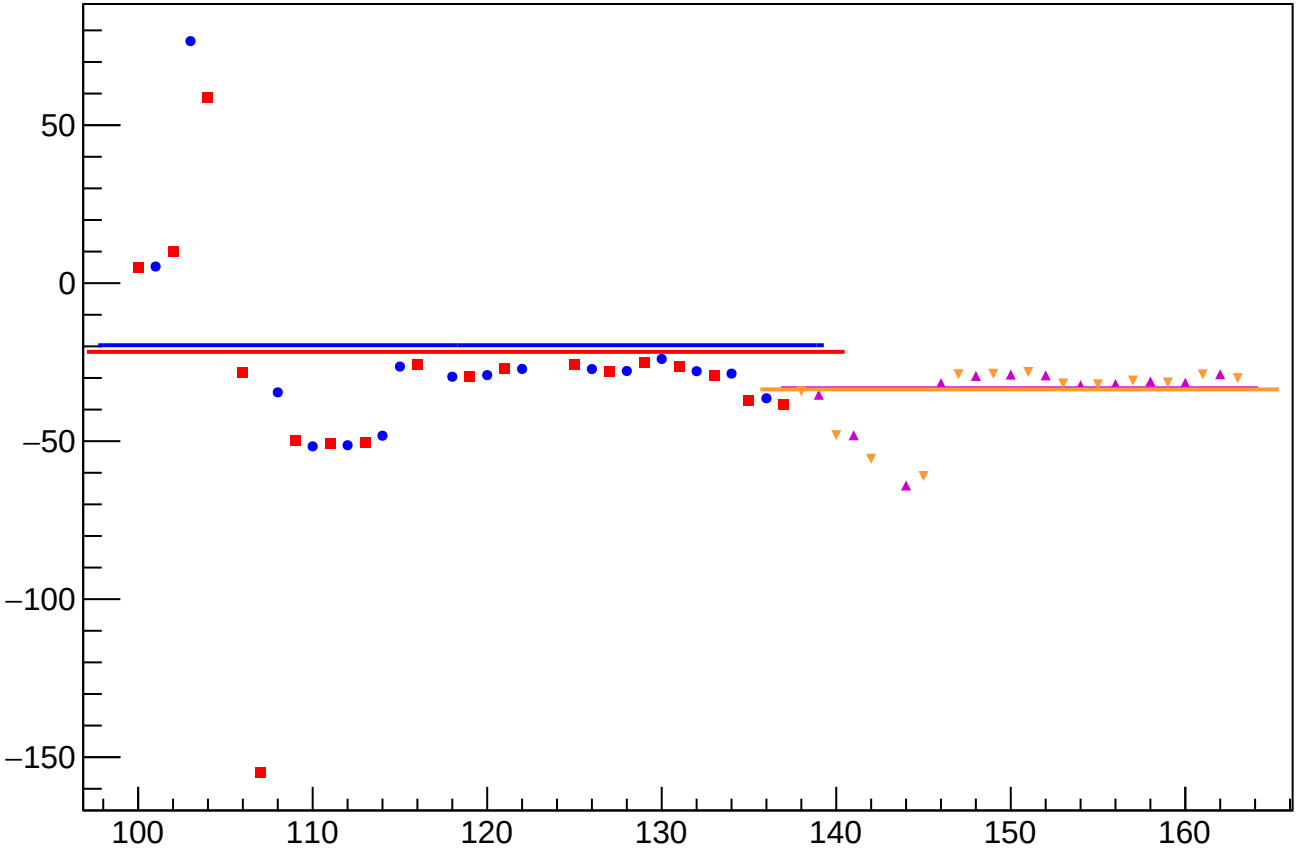
Left In: 2.937+/-0.468 χ^2/NDF:386.1/11

+ sign -2.864+/-0.364 χ^2/NDF: 1391.7/28

All: -3.270+/-0.261 χ^2/NDF: 2742.7/58

- sign -3.701+/-0.375 χ^2/NDF: 1348.4/29

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -33.619+/-0.021 χ^2/NDF:155620.0/12

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

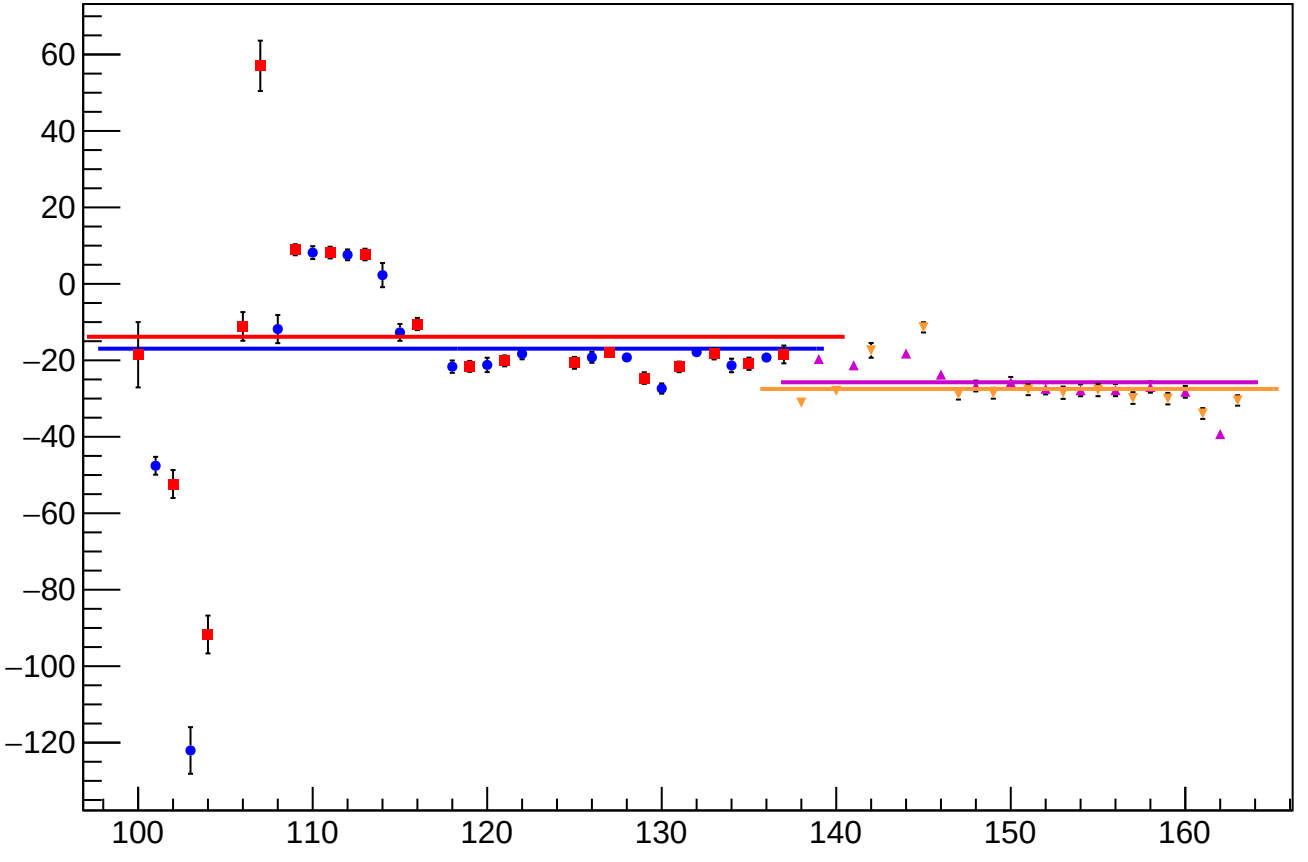
Left In: -33.267+/-0.021 χ^2/NDF:126815.7/11

+ sign -29.981+/-0.018 χ^2/NDF: 913320.3/28

All: -30.286+/-0.013 χ^2/NDF: 1655021.3/58

- sign -30.600+/-0.019 χ^2/NDF: 741144.6/29

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.475+/-0.394 χ^2/NDF:214.9/12

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

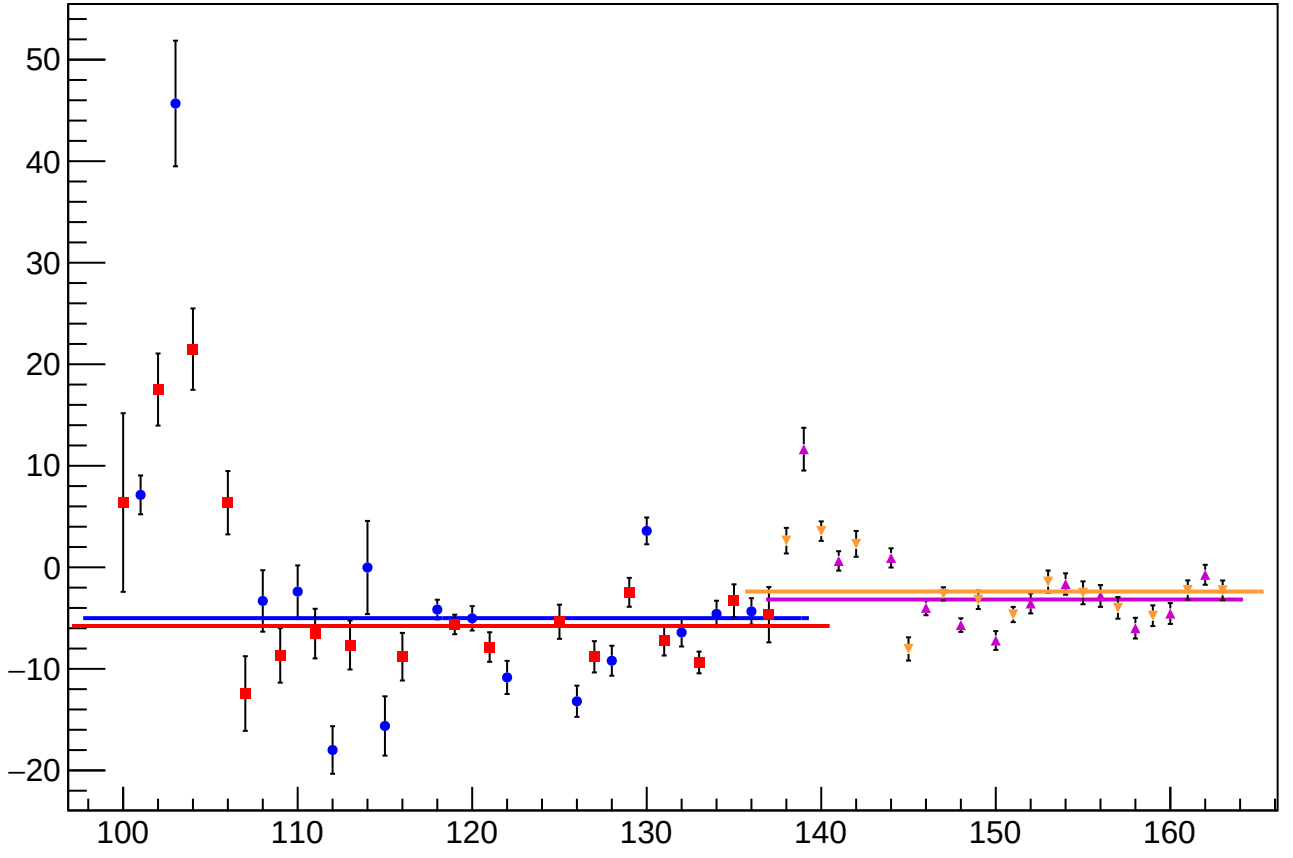
Left In: -25.738+/-0.397 χ^2/NDF:197.9/11

+ sign -22.348+/-0.282 χ^2/NDF: 1691.5/28

All: -21.169+/-0.200 χ^2/NDF: 3693.4/58

- sign -19.963+/-0.285 χ^2/NDF: 1966.5/29

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.386+/-0.267 χ^2/NDF:110.8/12

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

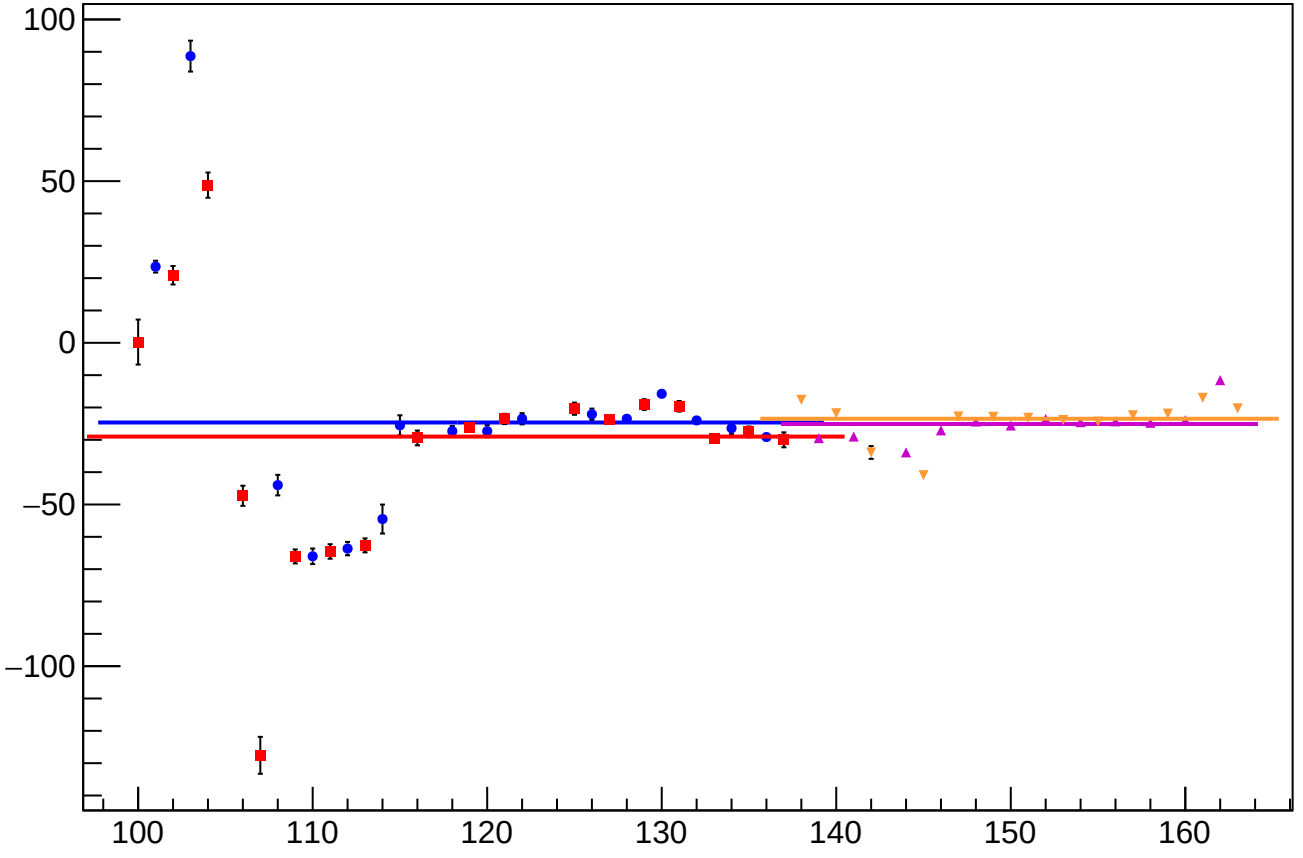
Left In: -3.171+/-0.273 χ^2/NDF:136.3/11

+ sign -3.188+/-0.222 χ^2/NDF: 388.2/28

All: -3.555+/-0.159 χ^2/NDF: 696.6/58

- sign -3.945+/-0.229 χ^2/NDF: 302.8/29

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -23.483+/-0.381 χ^2/NDF:247.6/12

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

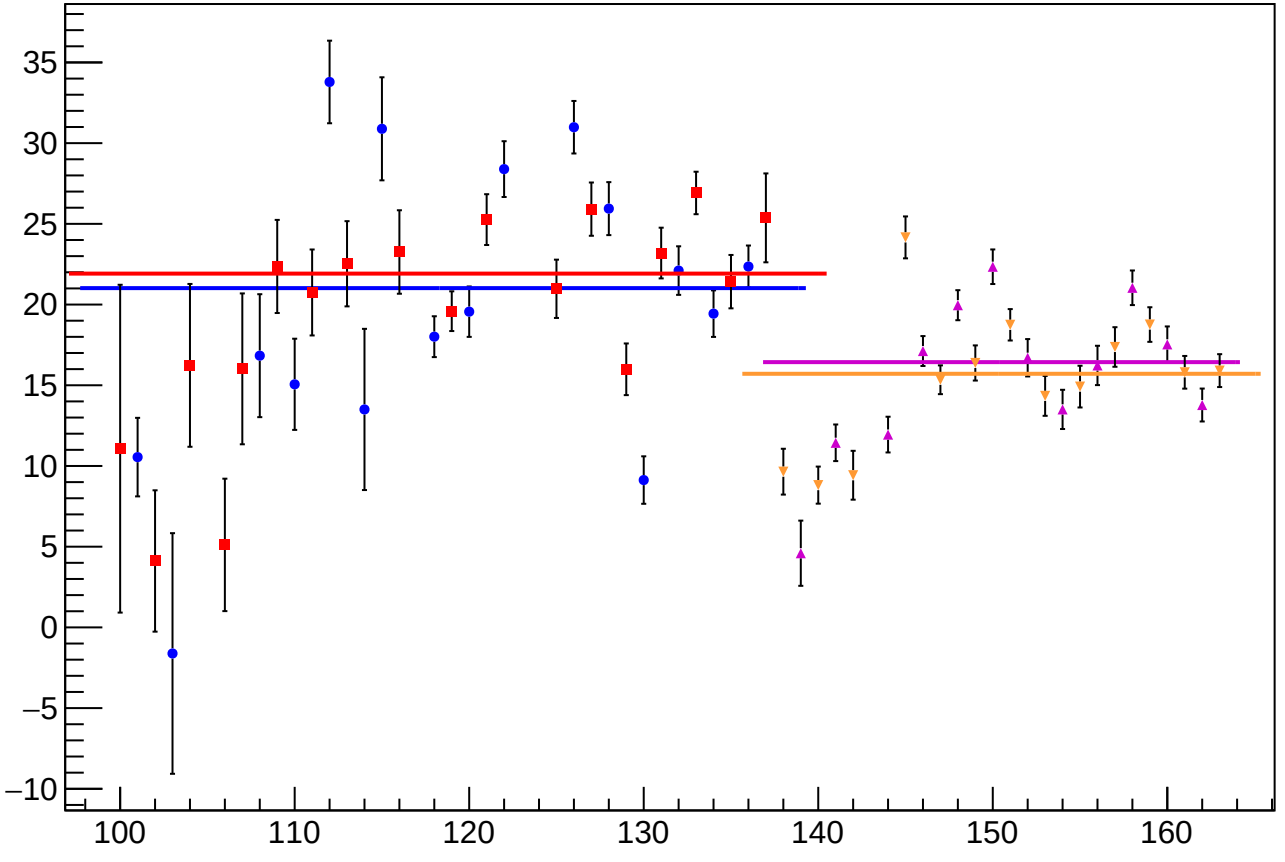
Left In: -25.109+/-0.384 χ^2/NDF:194.0/11

+ sign -23.961+/-0.292 χ^2/NDF: 2303.3/28

All: -25.274+/-0.209 χ^2/NDF: 4531.5/58

- sign -26.646+/-0.299 χ^2/NDF: 2186.9/29

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.711+/-0.314 χ^2/NDF:135.8/12

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

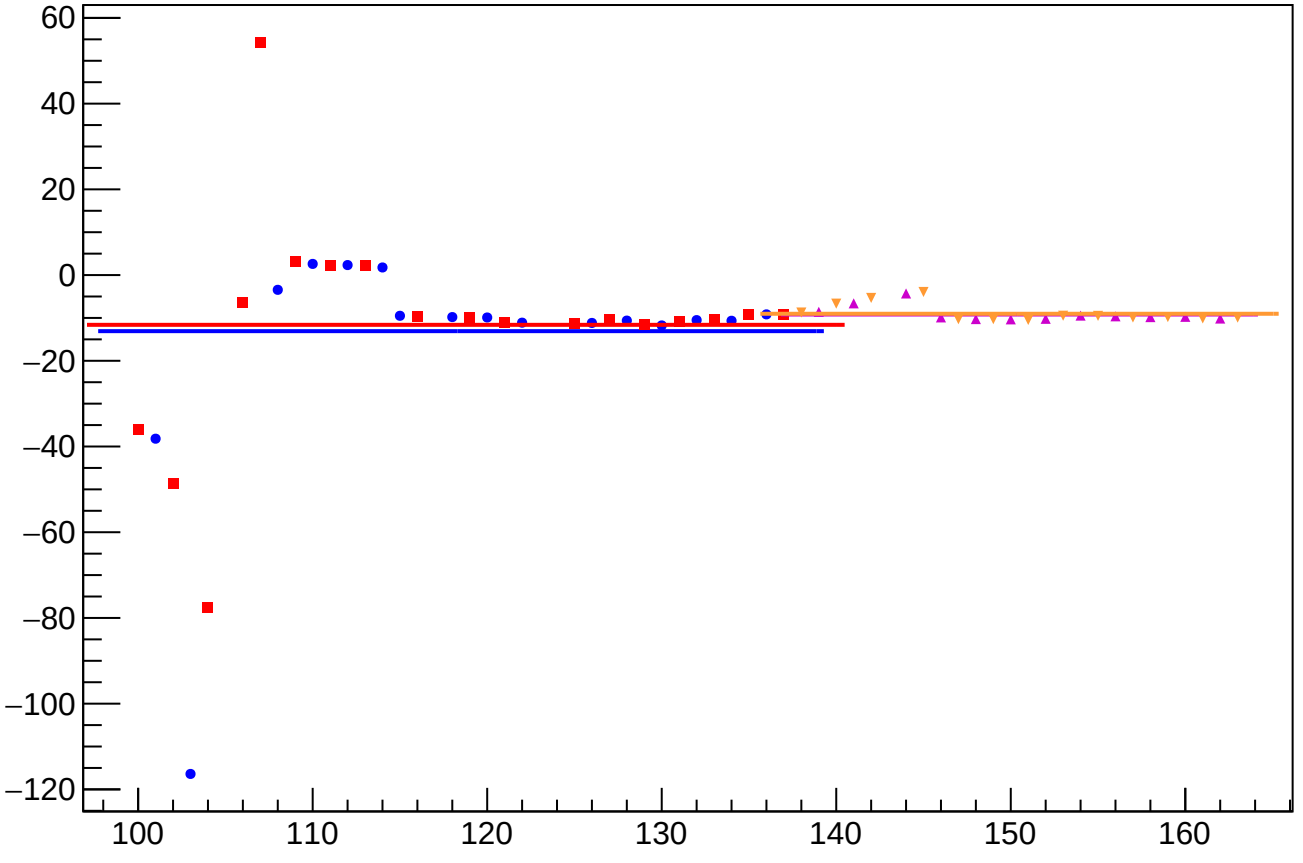
Left In: 16.433+/-0.320 χ^2/NDF:147.7/11

\+ sign 17.404+/-0.259 χ^2/NDF: 436.8/28

All: 17.756+/-0.185 χ^2/NDF: 761.7/58

\- sign 18.128+/-0.266 χ^2/NDF: 321.1/29

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.028+/-0.014 χ^2/NDF:16534.7/12

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

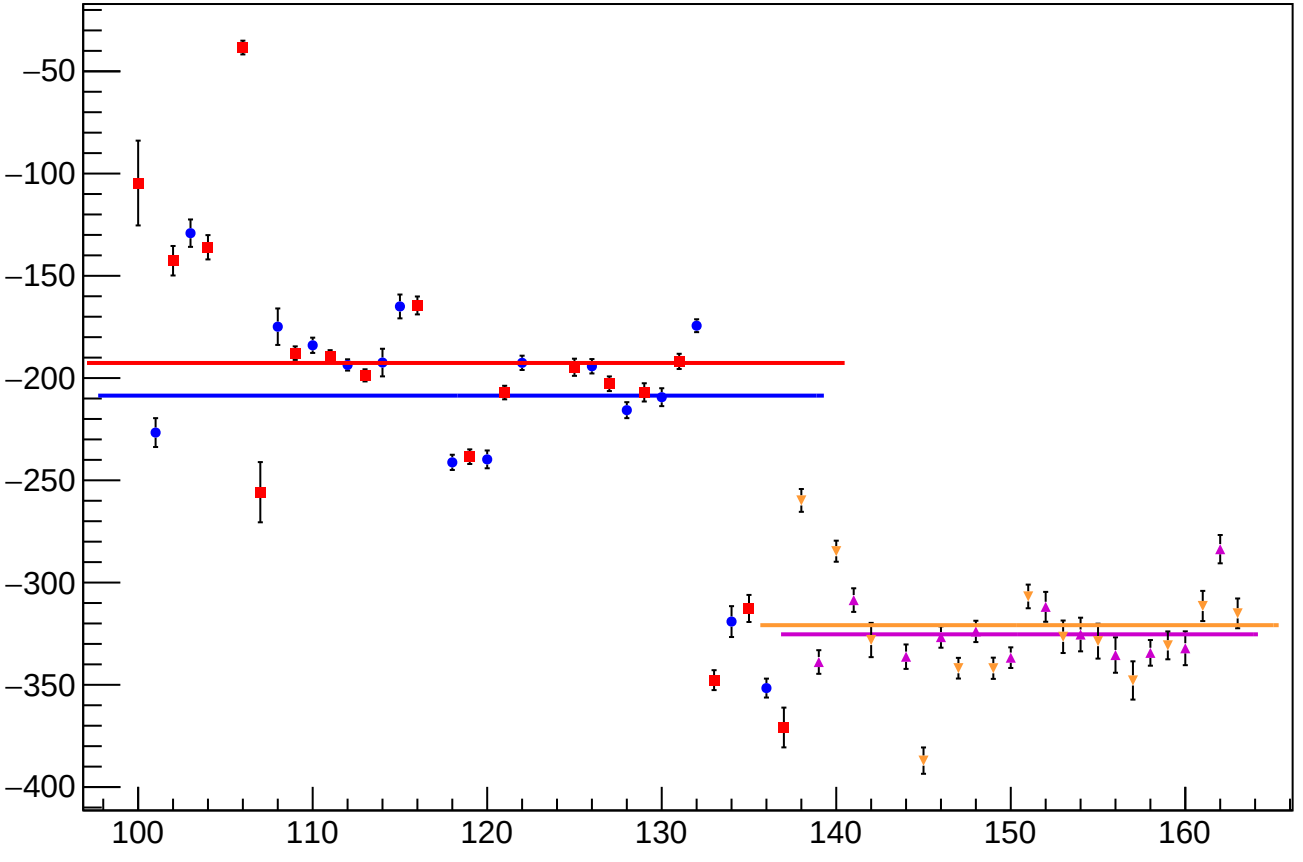
Left In: -9.205+/-0.014 χ^2/NDF:11720.0/11

+ sign -9.857+/-0.013 χ^2/NDF: 377713.0/28

All: -9.747+/-0.009 χ^2/NDF: 708745.1/58

- sign -9.634+/-0.013 χ^2/NDF: 330884.3/29

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -320.832+/-1.785 χ^2/NDF:329.0/12

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

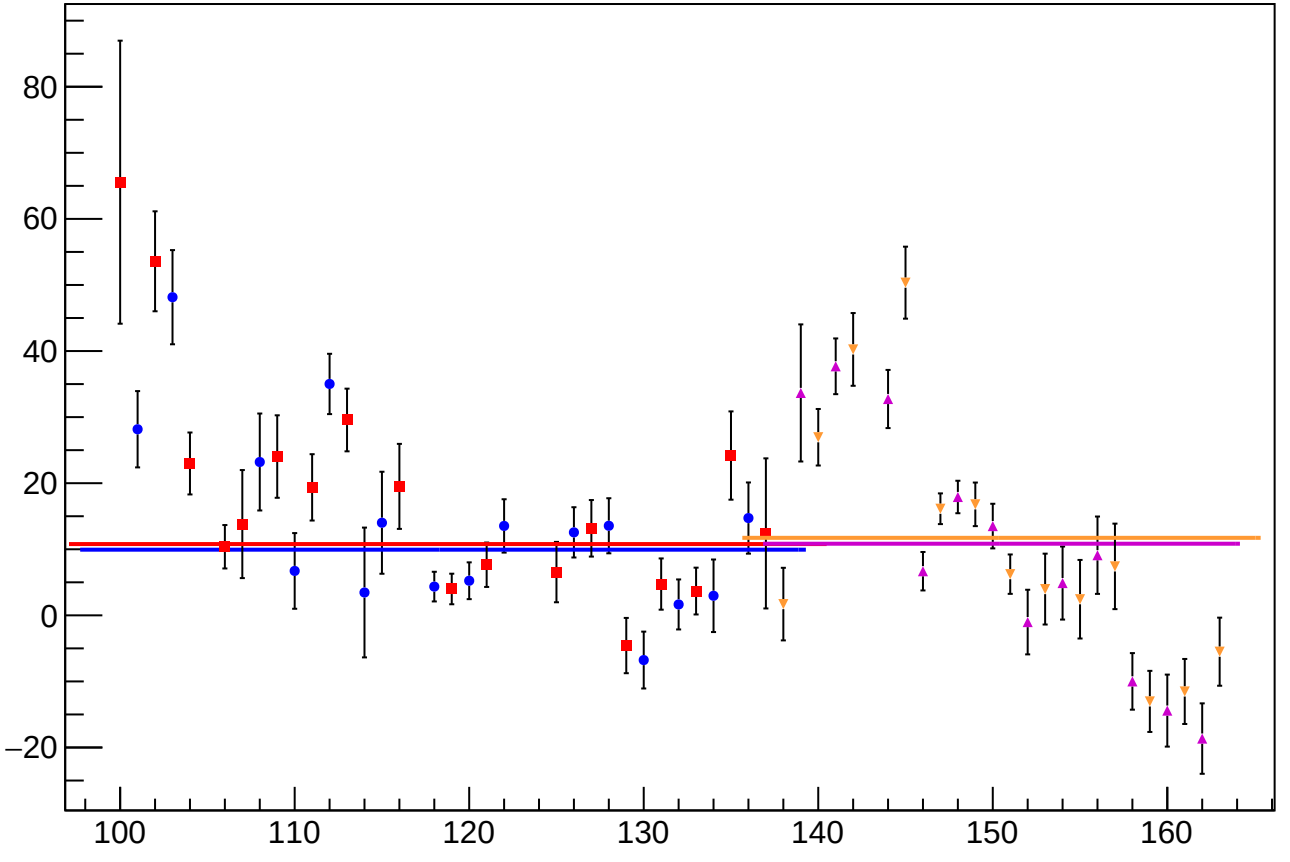
Left In: -325.309+/-1.800 χ^2/NDF:66.1/11

+ sign -238.122+/-0.915 χ^2/NDF: 4994.9/28

All: -230.649+/-0.632 χ^2/NDF: 13548.9/58

- sign -223.847+/-0.873 χ^2/NDF: 8426.7/29

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 11.732+/-1.150 χ^2/NDF:169.6/12

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

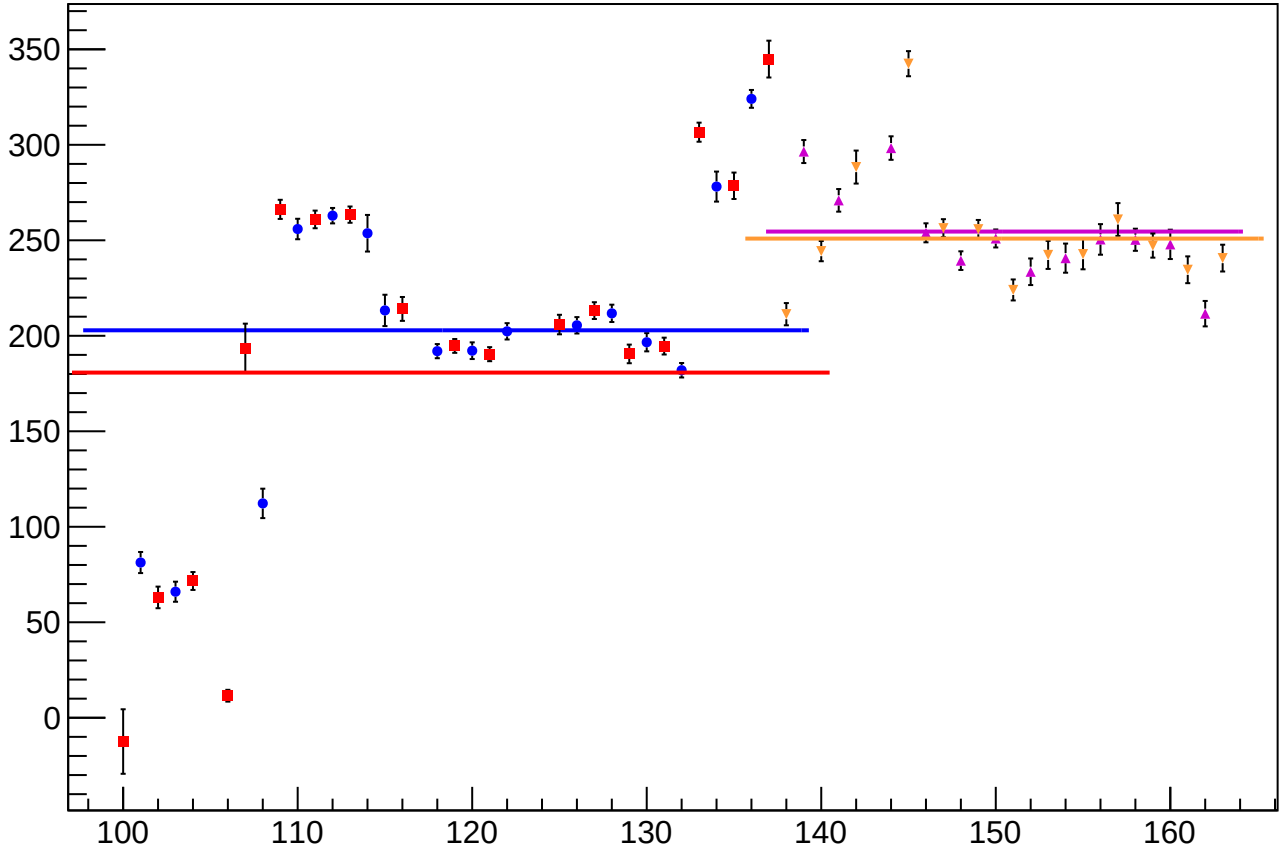
Left In: 10.840+/-1.182 χ^2/NDF:164.0/11

+ sign 10.767+/-0.781 χ^2/NDF: 277.5/28

All: 10.789+/-0.553 χ^2/NDF: 546.5/58

- sign 10.811+/-0.782 χ^2/NDF: 269.1/29

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 250.898+/-1.725 χ^2/NDF:298.6/12

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

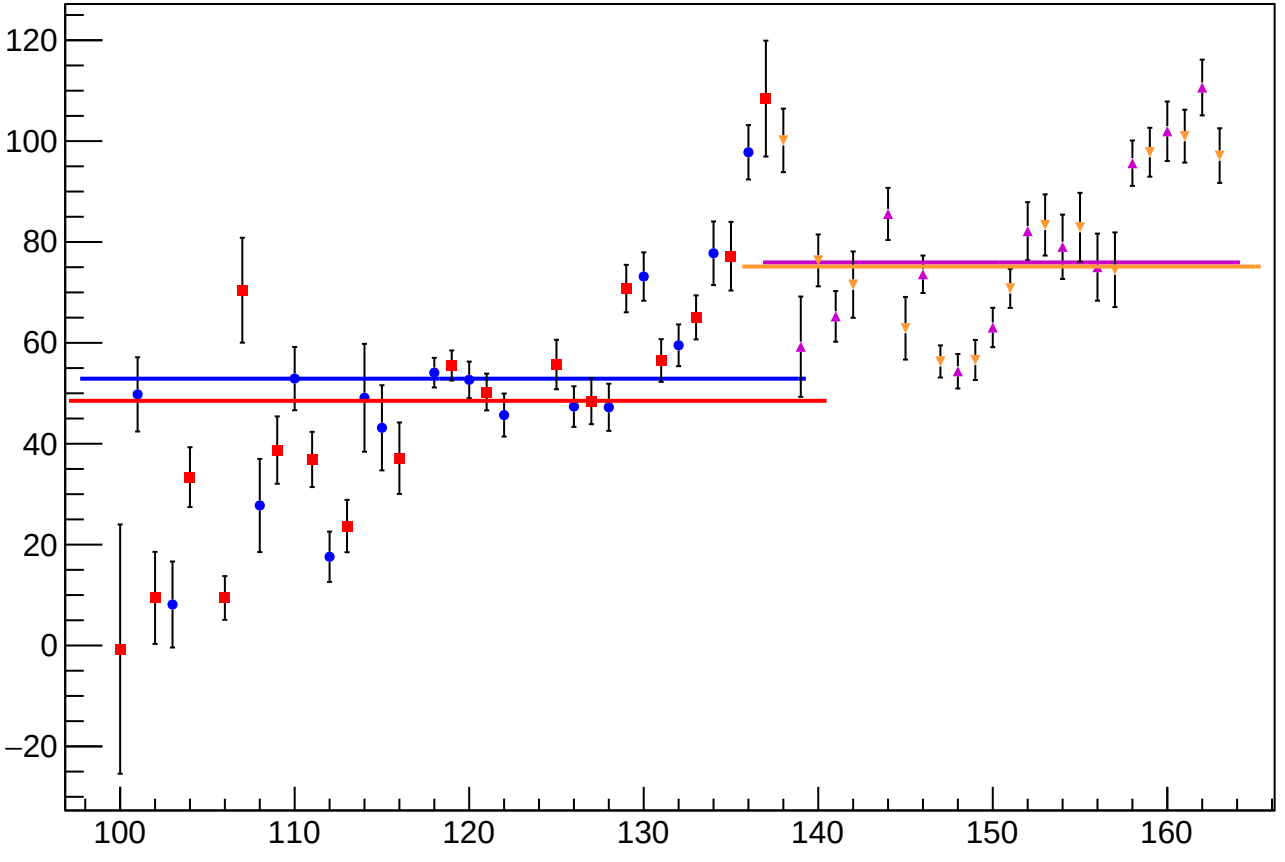
Left In: 254.572+/-1.734 χ^2/NDF:172.5/11

+ sign 218.980+/-0.999 χ^2/NDF: 3277.7/28

All: 210.683+/-0.690 χ^2/NDF: 11193.4/58

- sign 203.108+/-0.955 χ^2/NDF: 7783.7/29

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 75.128+/-1.386 χ^2/NDF:143.7/12

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

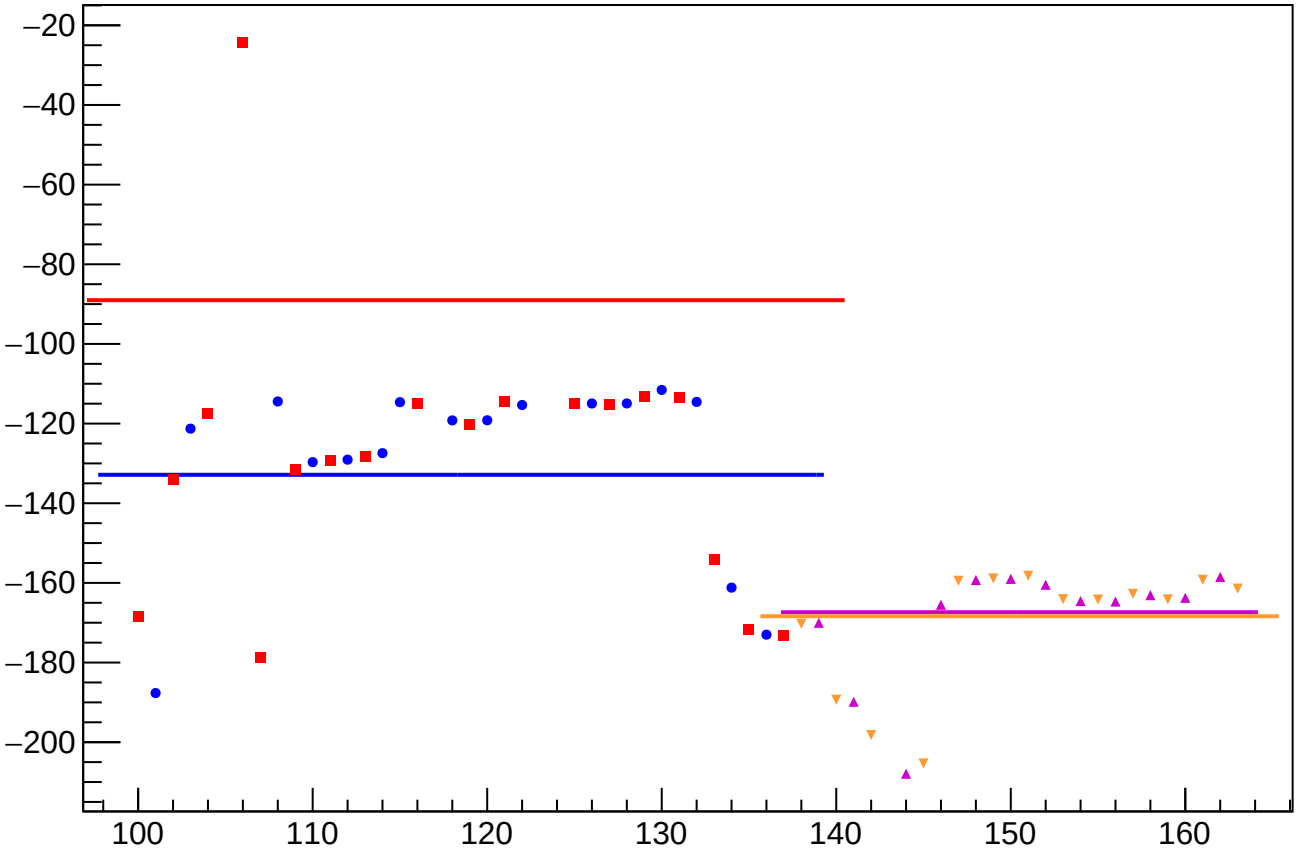
Left In: 75.944+/-1.416 χ^2/NDF:141.2/11

+ sign 62.794+/-0.925 χ^2/NDF: 484.7/28

All: 61.462+/-0.653 χ^2/NDF: 1086.4/58

- sign 60.139+/-0.922 χ^2/NDF: 597.6/29

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -168.373+/-0.067 χ^2/NDF:44782.0/12

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

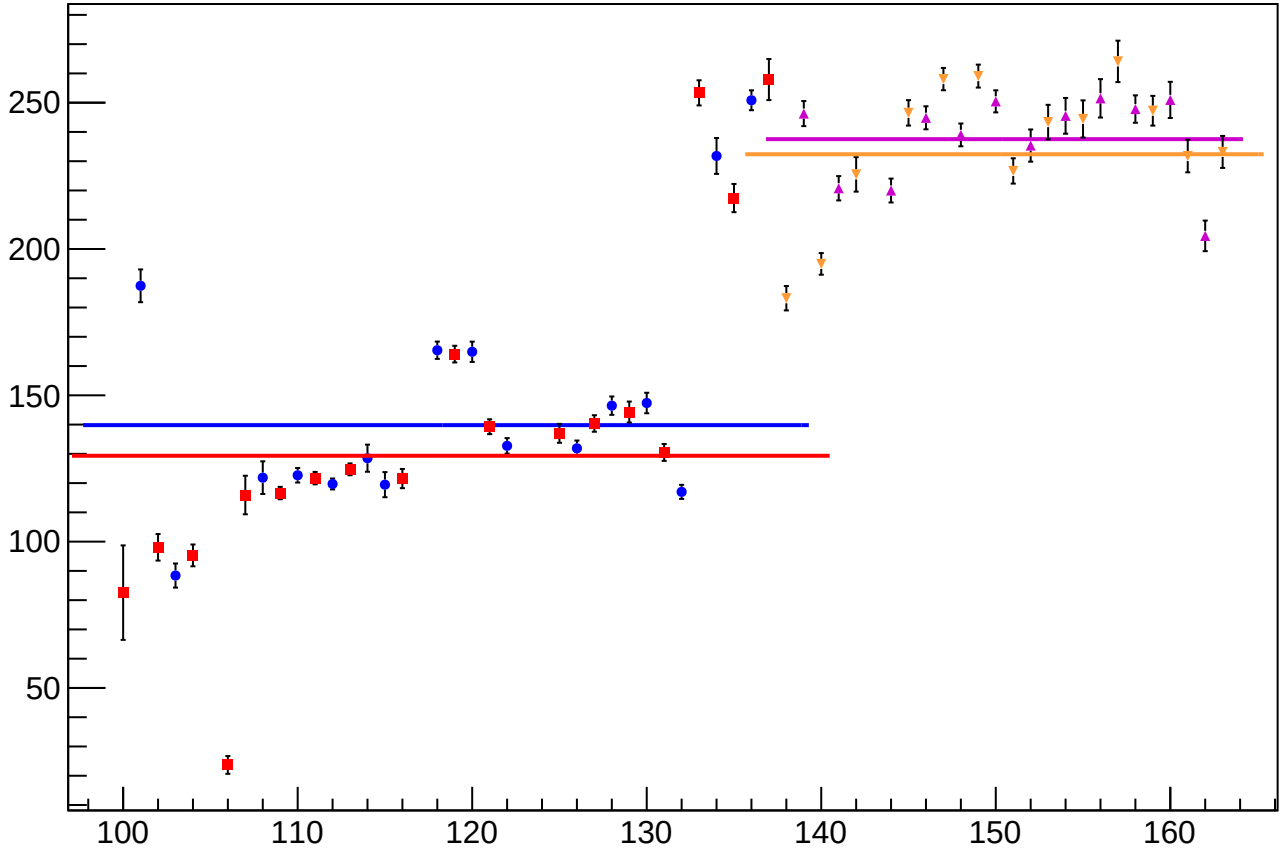
Left In: -167.367+/-0.066 χ^2/NDF:36905.1/11

+ sign -154.000+/-0.052 χ^2/NDF: 251753.3/28

All: -138.893+/-0.034 χ^2/NDF: 1890348.0/58

- sign -126.896+/-0.046 χ^2/NDF: 1485706.6/29

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.376+/-1.316 χ^2/NDF:383.5/12

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

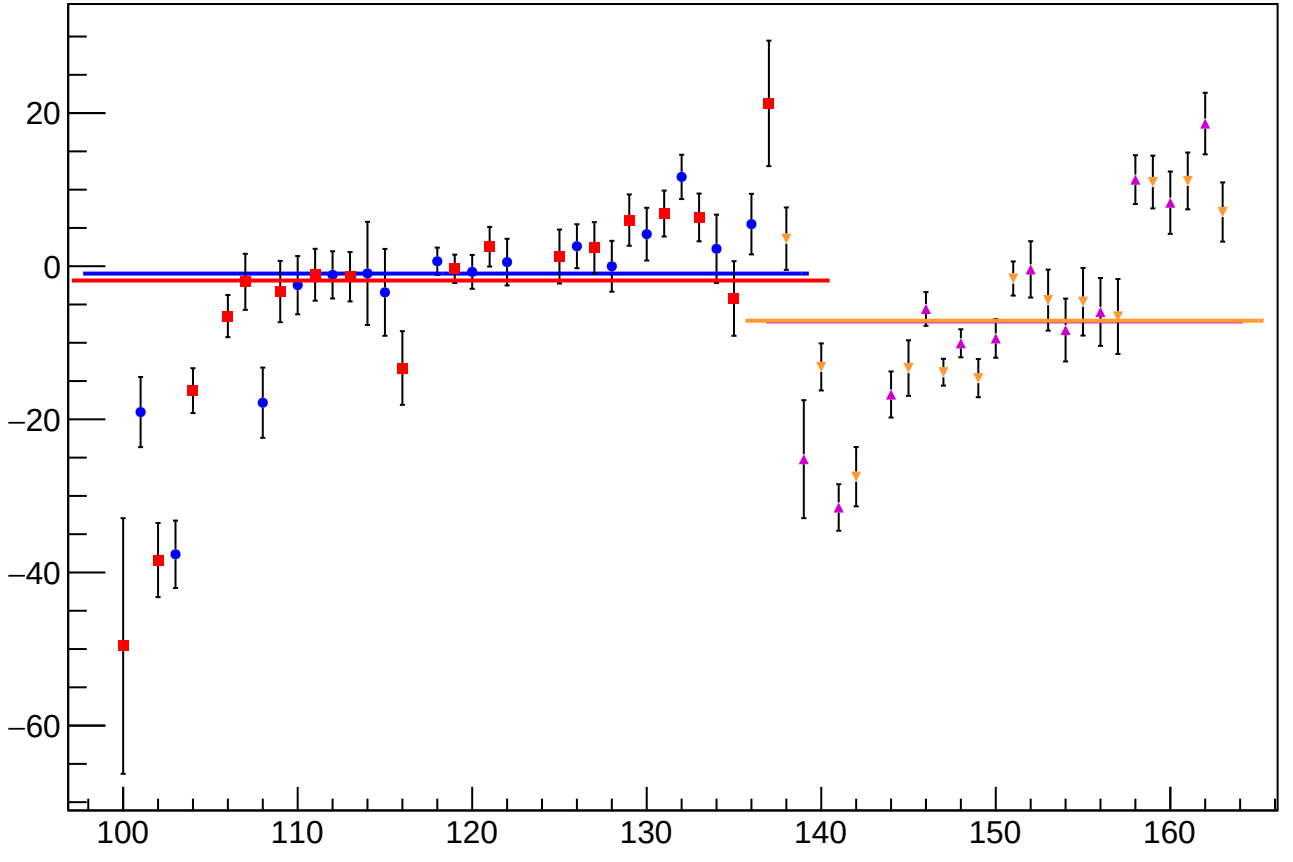
Left In: 237.538+/-1.330 χ^2/NDF:110.2/11

+ sign 164.088+/-0.674 χ^2/NDF: 5999.4/28

All: 159.125+/-0.465 χ^2/NDF: 14406.9/58

- sign 154.608+/-0.643 χ^2/NDF: 8303.8/29

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.115+/-0.852 χ^2/NDF:137.3/12

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

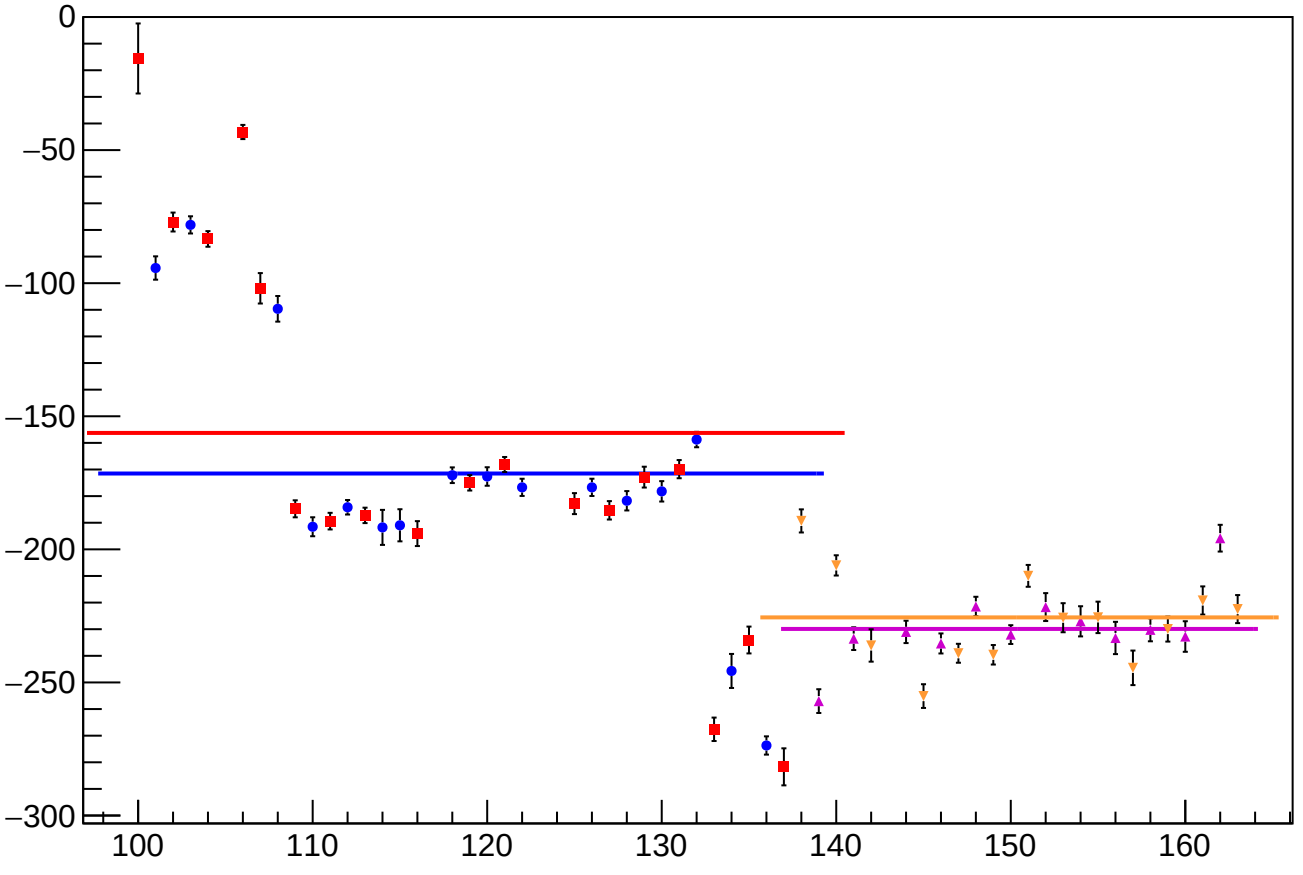
Left In: -7.210+/-0.877 χ^2/NDF:176.4/11

+ sign -3.875+/-0.587 χ^2/NDF: 290.8/28

All: -4.059+/-0.414 χ^2/NDF: 621.2/58

- sign -4.241+/-0.584 χ^2/NDF: 330.2/29

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.563+/-1.275 χ^2/NDF:197.8/12

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

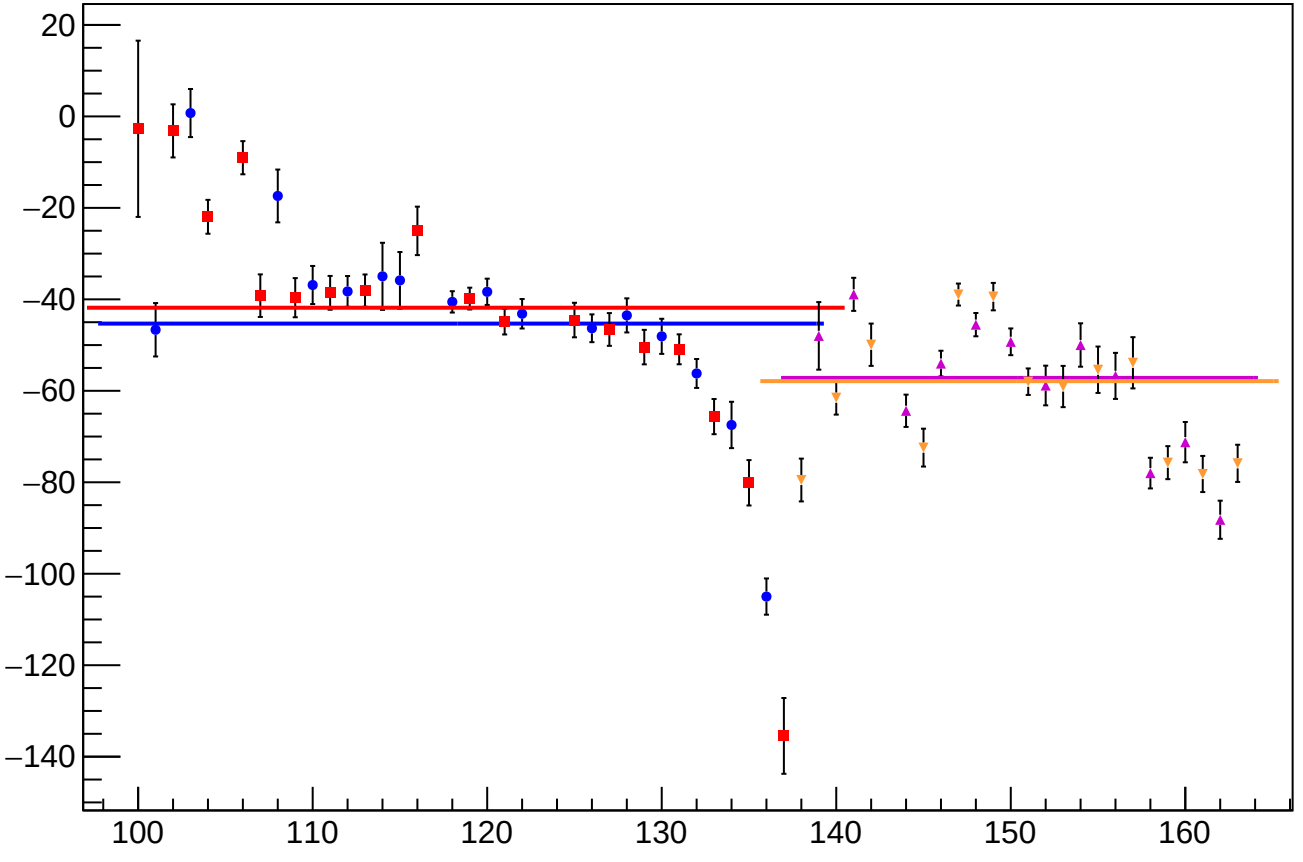
Left In: -229.899+/-1.284 χ^2/NDF:94.9/11

+ sign -189.666+/-0.739 χ^2/NDF: 3834.4/28

All: -183.895+/-0.511 χ^2/NDF: 11242.9/58

- sign -178.610+/-0.707 χ^2/NDF: 7291.6/29

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -57.885+/-1.027 χ^2/NDF:208.7/12

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

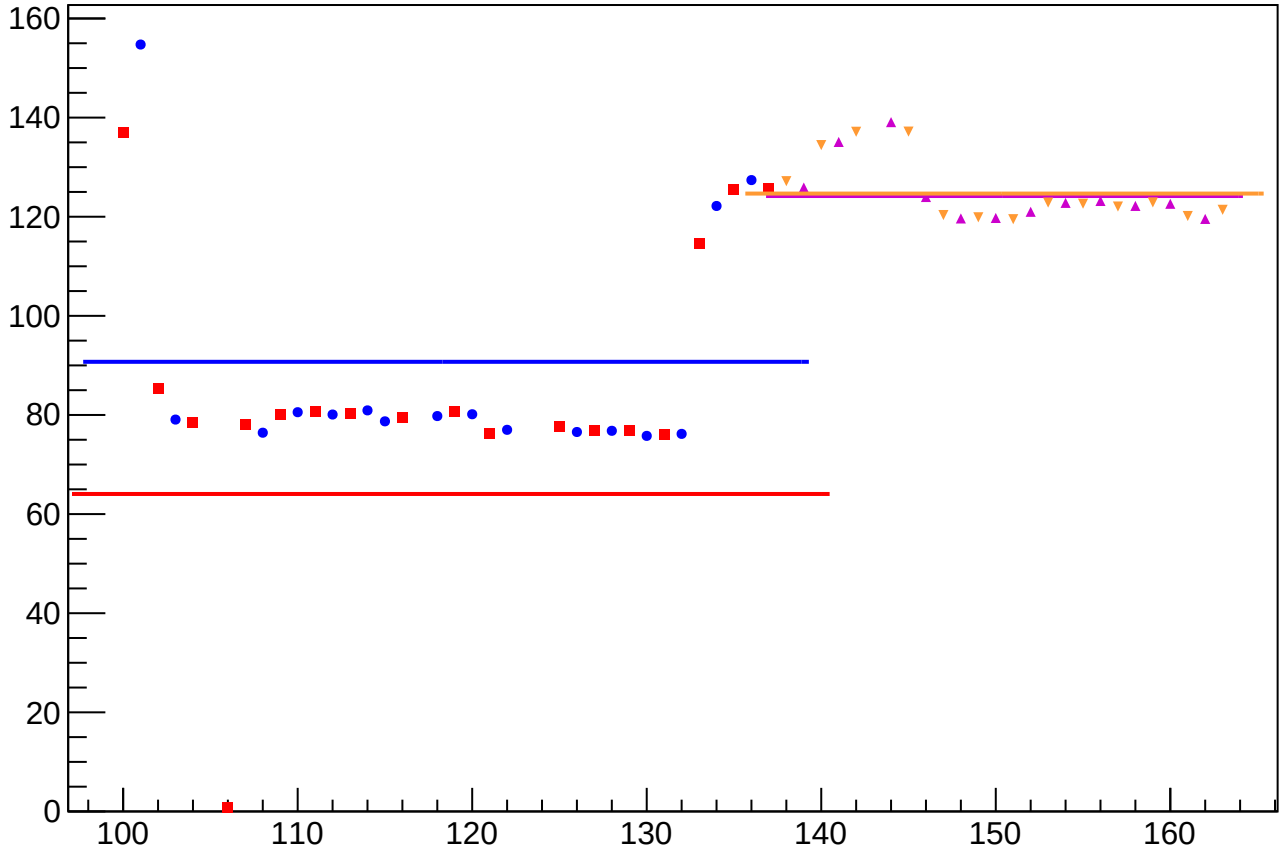
Left In: -57.182+/-1.049 χ^2/NDF:167.1/11

+ sign -51.024+/-0.692 χ^2/NDF: 672.6/28

All: -49.710+/-0.488 χ^2/NDF: 1383.3/58

- sign -48.416+/-0.687 χ^2/NDF: 703.6/29

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 124.671+/-0.050 χ^2/NDF:15118.6/12

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

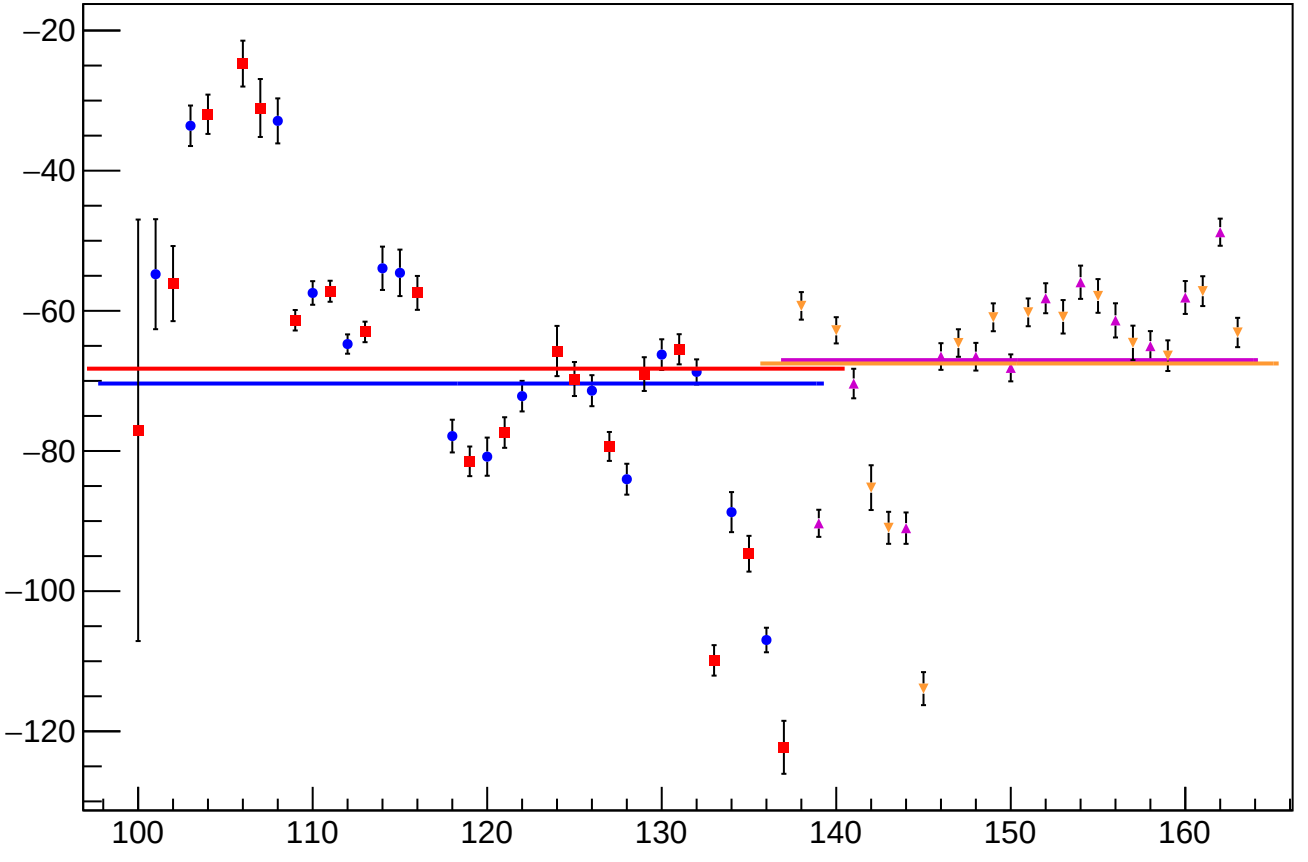
Left In: 124.179+/-0.049 χ^2/NDF:13415.1/11

+ sign 110.456+/-0.038 χ^2/NDF: 372091.9/28

All: 101.638+/-0.026 χ^2/NDF: 1891649.7/58

- sign 94.170+/-0.035 χ^2/NDF: 1419282.0/29

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -67.512+/-0.582 χ^2/NDF:628.2/13

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

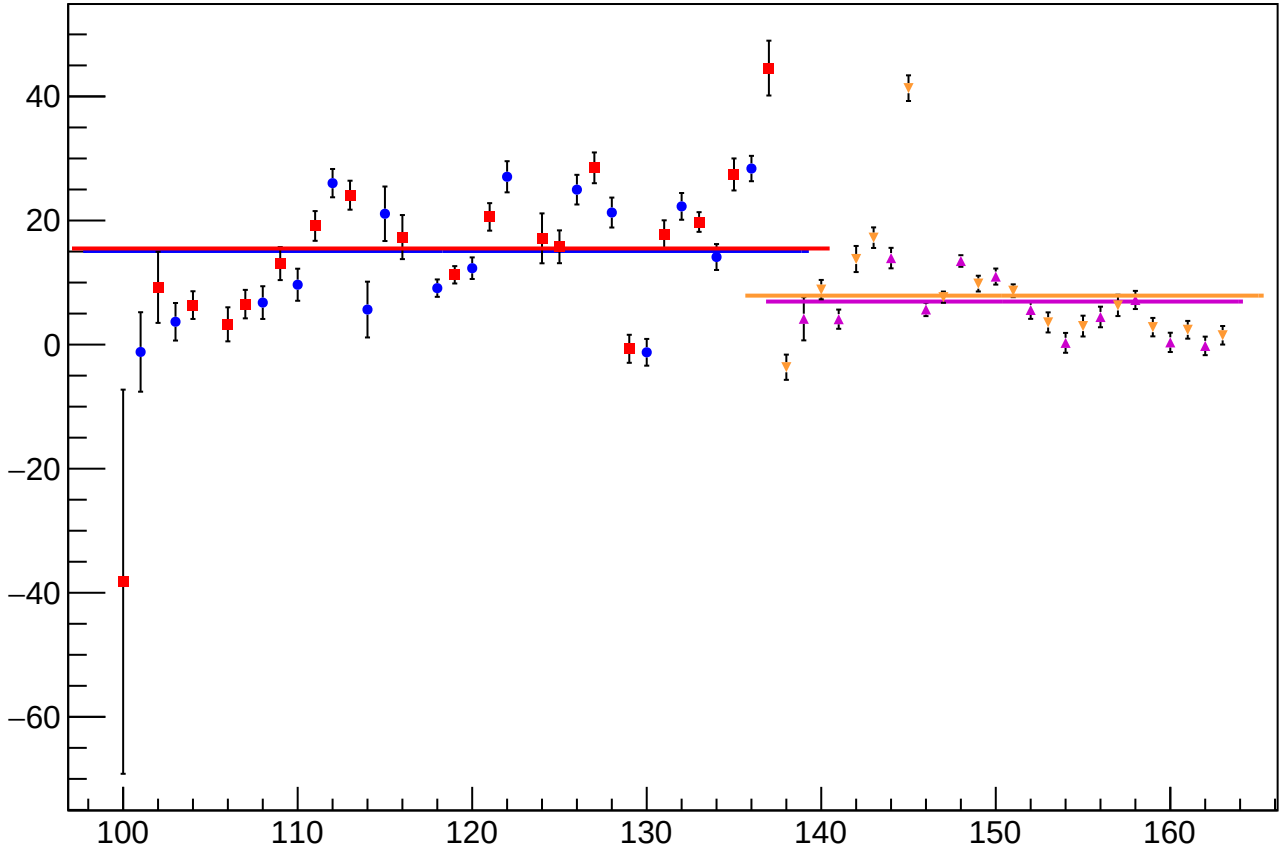
Left In: -67.035+/-0.606 χ^2/NDF:411.2/11

\+ sign -69.004+/-0.403 χ^2/NDF: 1615.7/29

All: -68.358+/-0.283 χ^2/NDF: 3340.2/60

\- sign -67.728+/-0.397 χ^2/NDF: 1719.4/30

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.894+/-0.386 χ^2/NDF:397.7/13

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

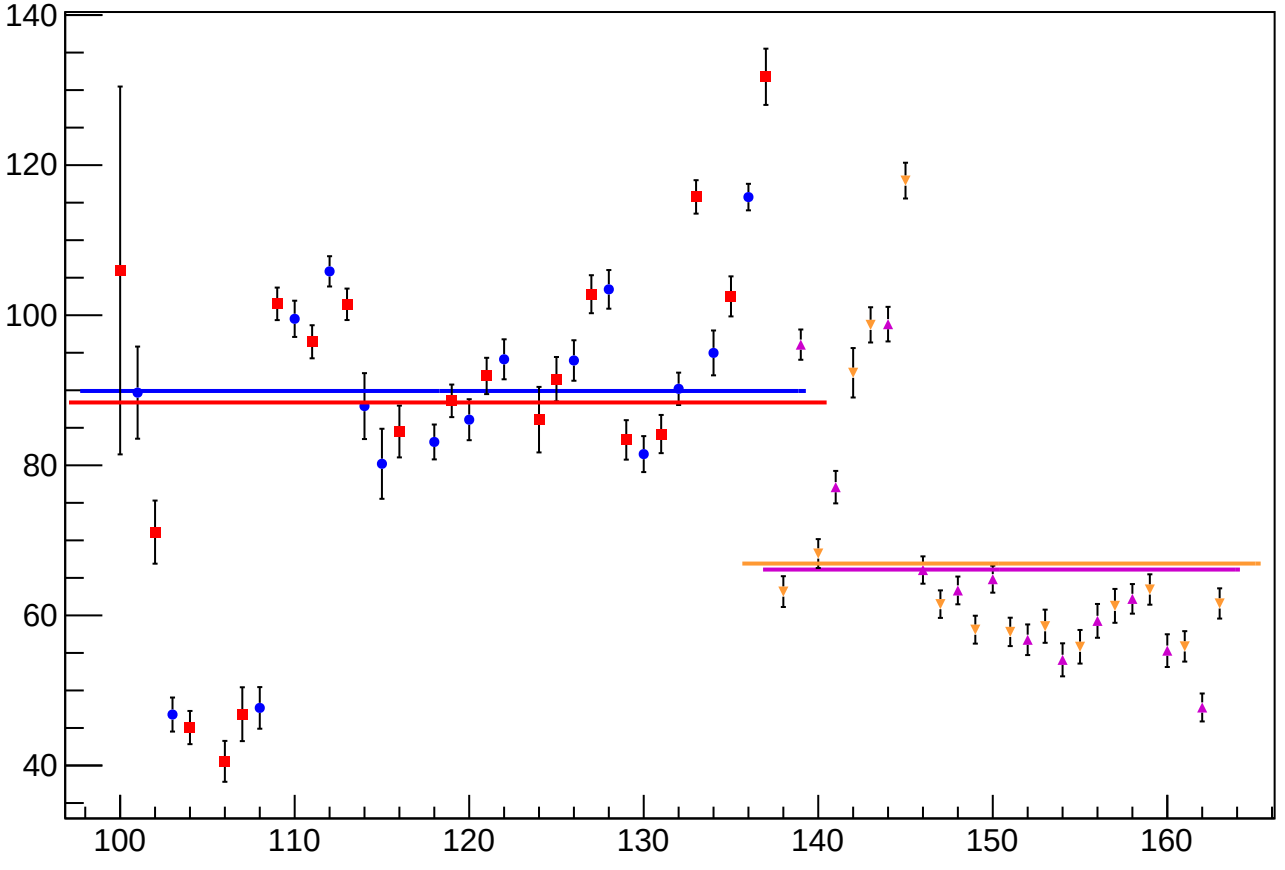
Left In: 6.937+/-0.406 χ^2/NDF:143.6/11

+ sign 10.097+/-0.321 χ^2/NDF: 746.7/29

All: 10.001+/-0.230 χ^2/NDF: 1283.2/60

- sign 9.900+/-0.329 χ^2/NDF: 536.3/30

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 66.909+/-0.563 χ^2/NDF:844.0/13

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

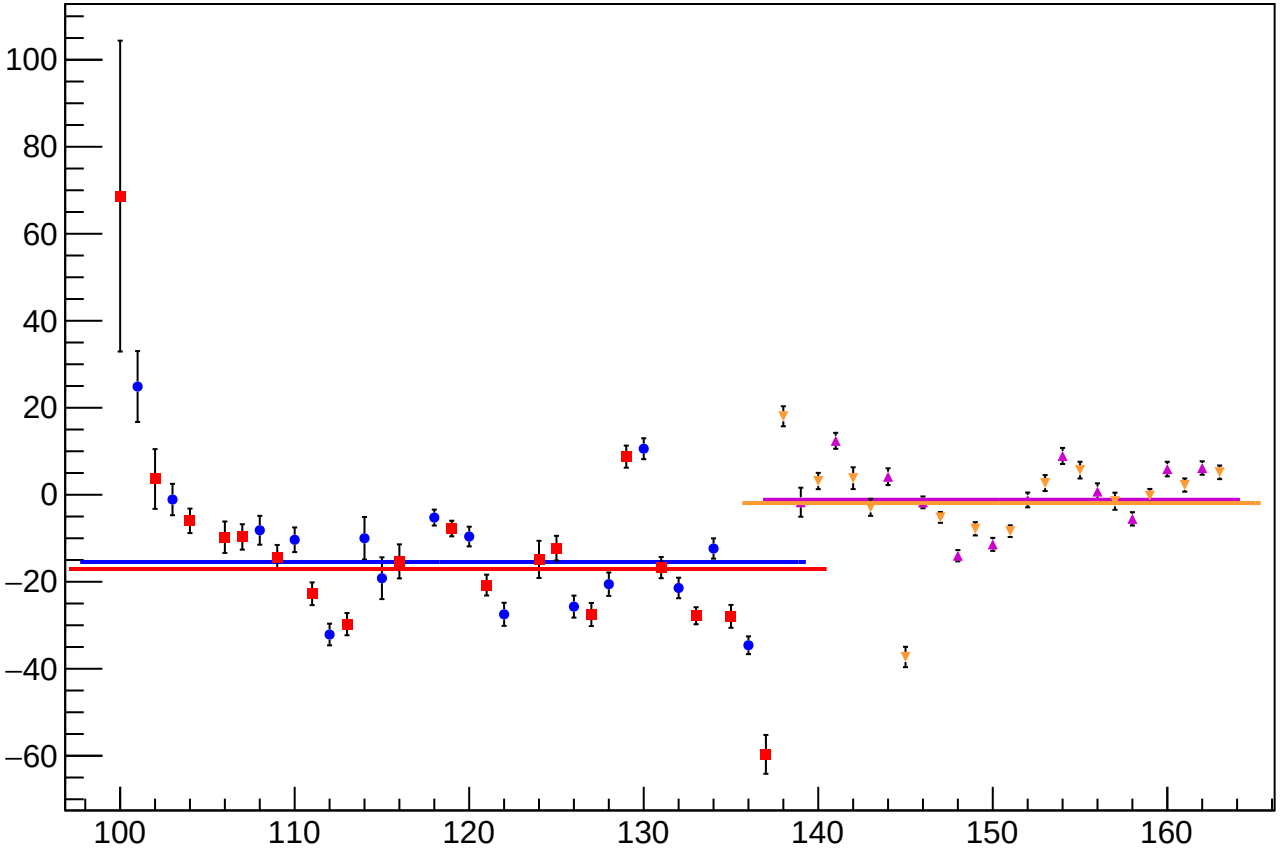
Left In: 66.108+/-0.582 χ^2/NDF:636.7/11

+ sign 76.926+/-0.423 χ^2/NDF: 2519.0/29

All: 76.758+/-0.299 χ^2/NDF: 5133.3/60

- sign 76.588+/-0.424 χ^2/NDF: 2614.0/30

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.904+/-0.457 χ^2/NDF:412.2/13

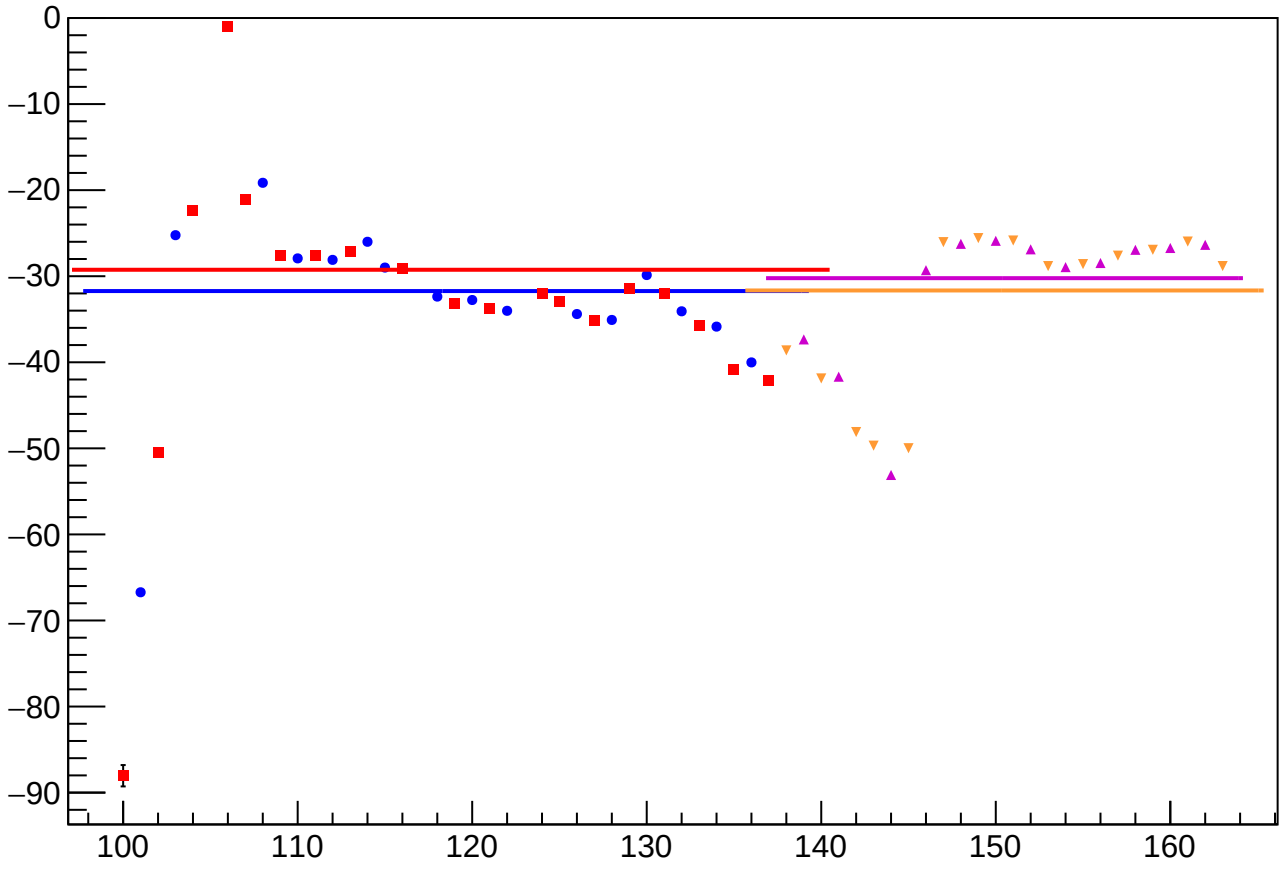
Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.155+/-0.479 χ^2/NDF:286.3/11

+ sign -6.246+/-0.377 χ^2/NDF: 1080.5/29

All: -6.533+/-0.269 χ^2/NDF: 2122.0/60

- sign -6.831+/-0.384 χ^2/NDF: 1040.4/30



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.656+/-0.021 χ^2/NDF:144157.4/13

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

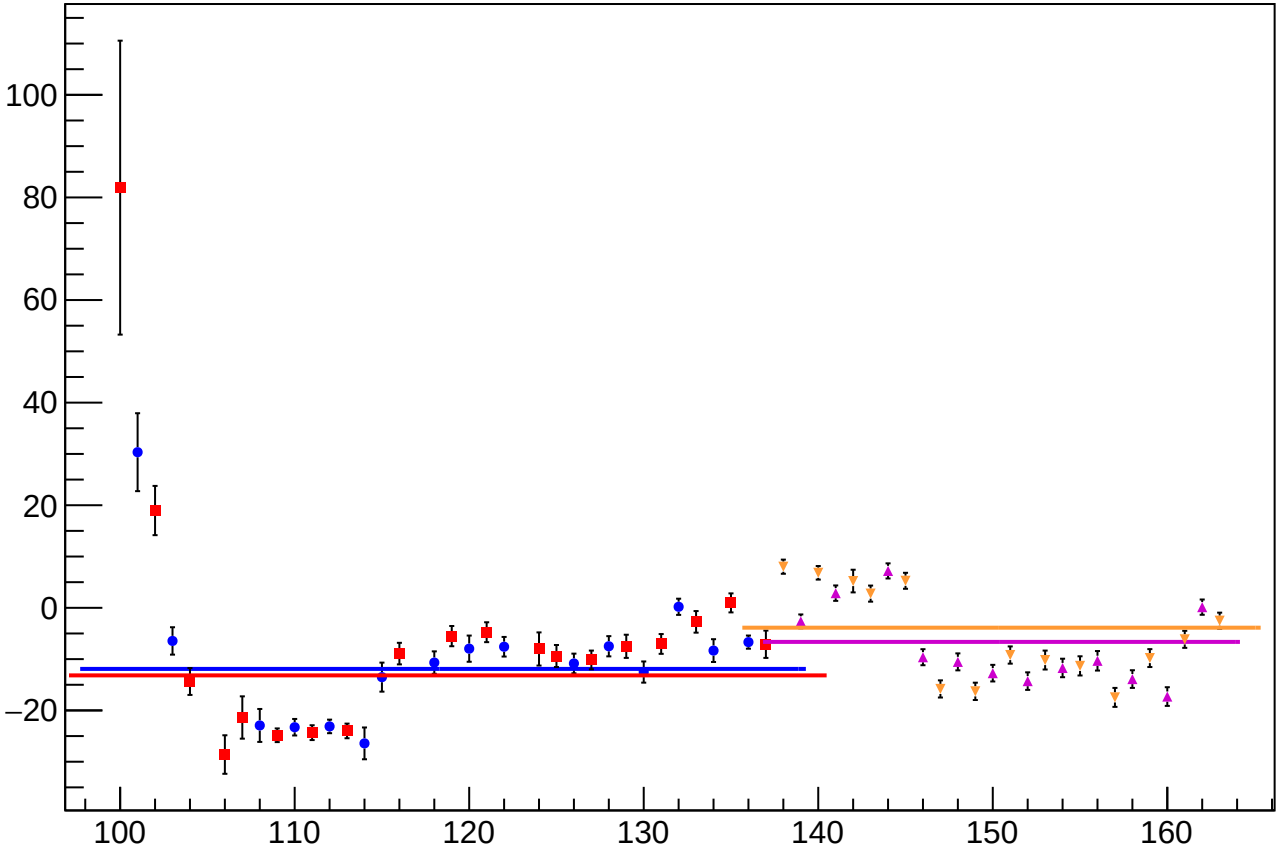
Left In: -30.227+/-0.022 χ^2/NDF:92692.2/11

+ sign -31.672+/-0.019 χ^2/NDF: 183796.4/29

All: -30.843+/-0.013 χ^2/NDF: 376205.7/60

- sign -29.988+/-0.019 χ^2/NDF: 188416.3/30

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.871+/-0.441 χ^2/NDF:419.6/13

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

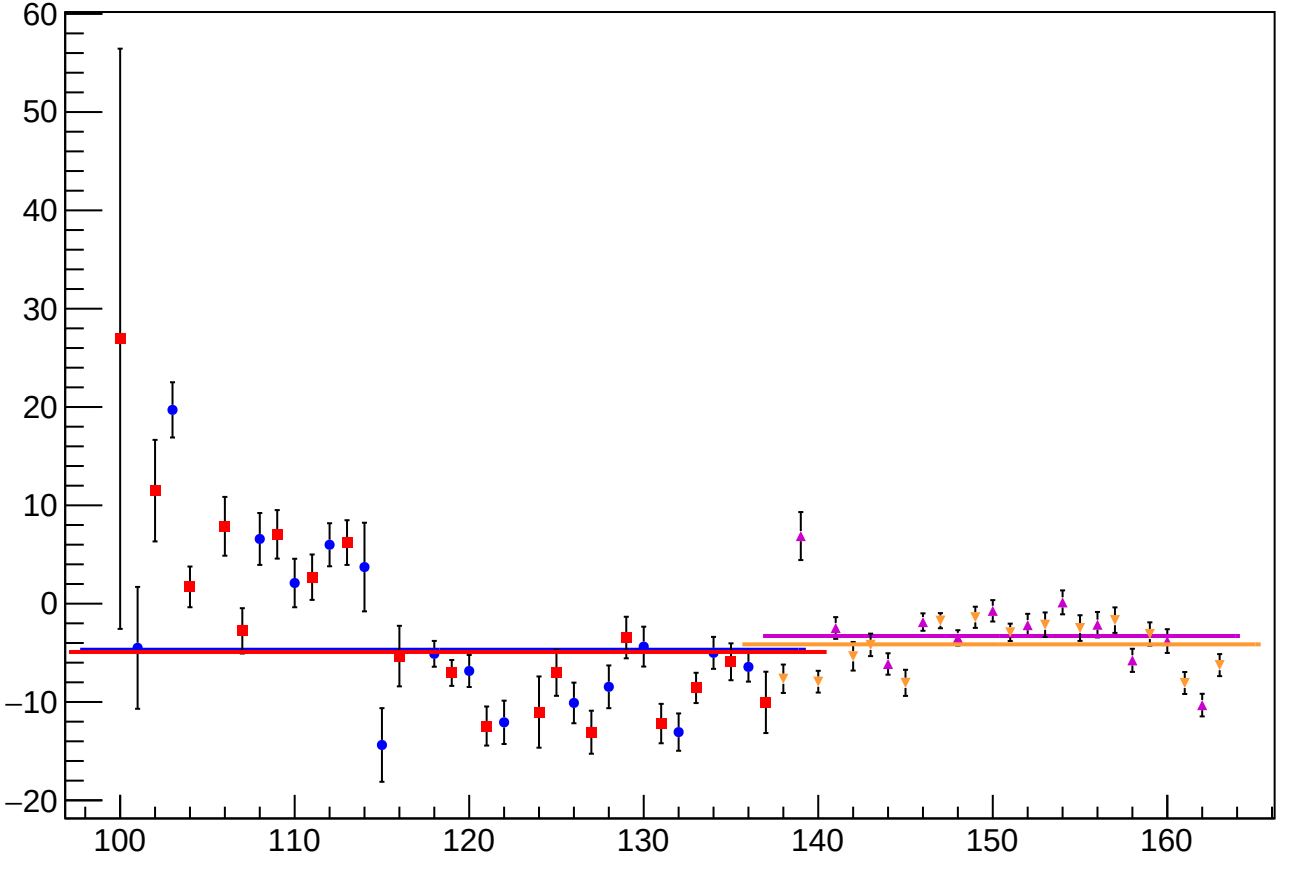
Left In: -6.641+/-0.465 χ^2/NDF:264.5/11

+ sign -7.409+/-0.330 χ^2/NDF: 848.1/29

All: -8.589+/-0.235 χ^2/NDF: 1655.5/60

- sign -9.802+/-0.334 χ^2/NDF: 781.3/30

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.137+/-0.301 χ^2/NDF:69.7/13

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

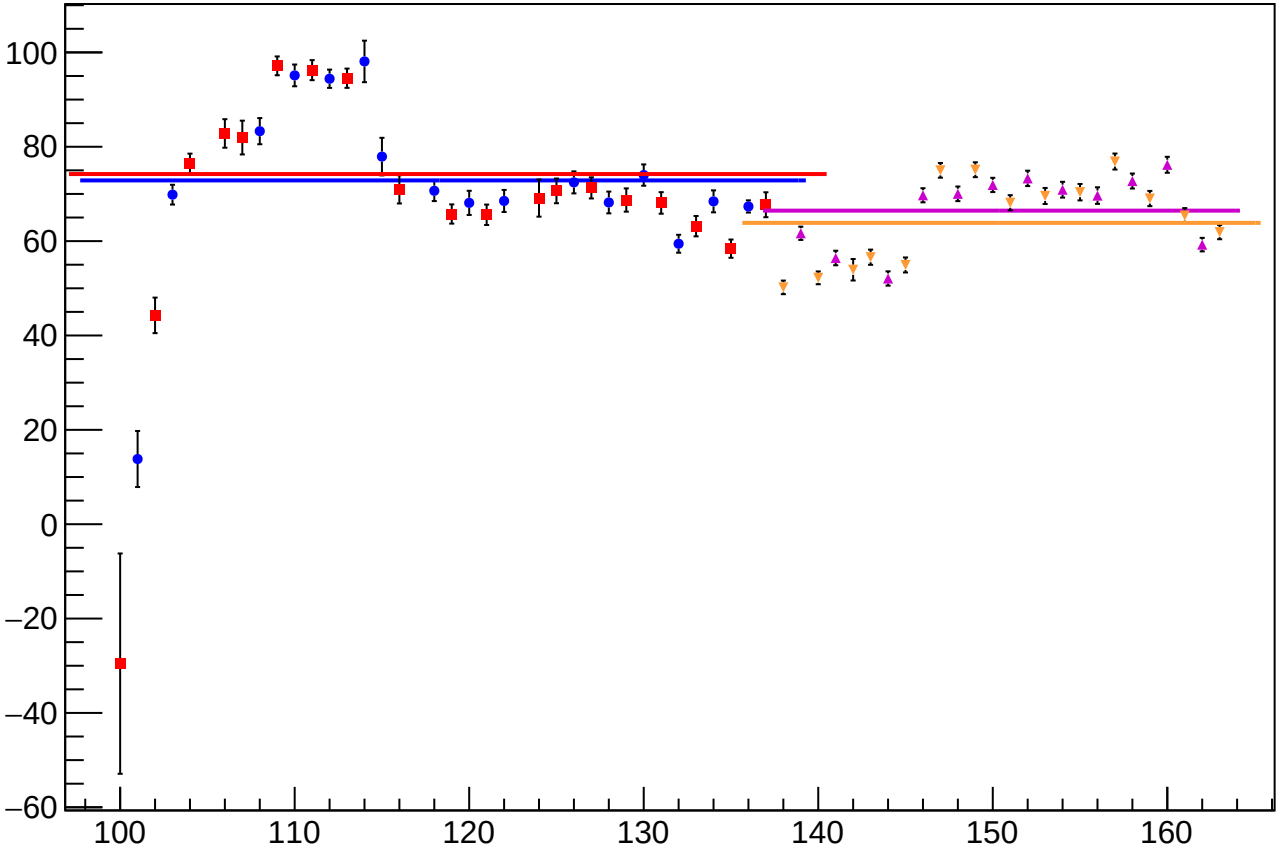
Left In: -3.288+/-0.320 χ^2/NDF:84.4/11

+ sign -4.276+/-0.260 χ^2/NDF: 249.6/29

All: -4.021+/-0.188 χ^2/NDF: 499.1/60

- sign -3.744+/-0.271 χ^2/NDF: 247.5/30

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.868+/-0.429 χ^2/NDF:439.8/13

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

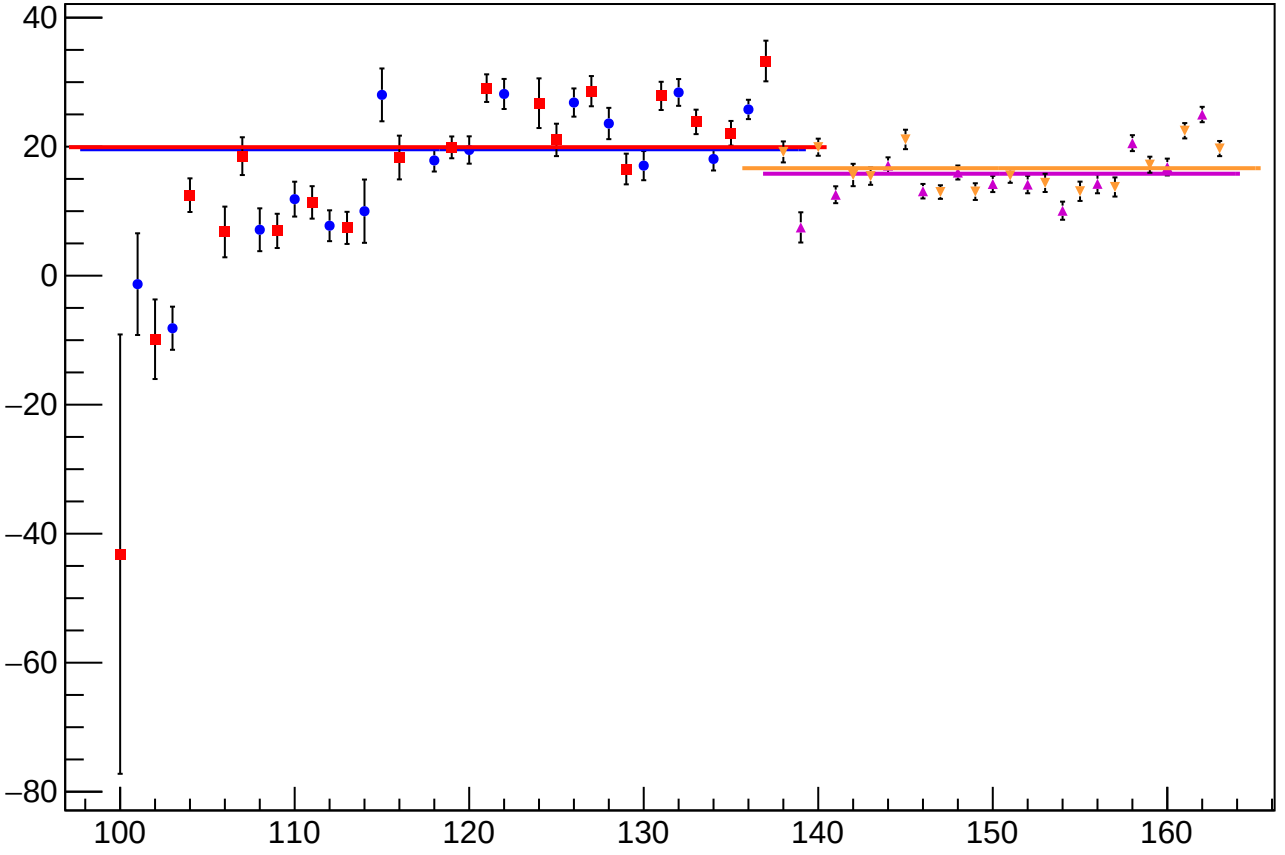
Left In: 66.460+/-0.450 χ^2/NDF:268.6/11

+ sign 67.155+/-0.342 χ^2/NDF: 1051.3/29

All: 68.288+/-0.245 χ^2/NDF: 2044.8/60

- sign 69.485+/-0.351 χ^2/NDF: 970.9/30

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.660+/-0.353 χ^2/NDF:82.4/13

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

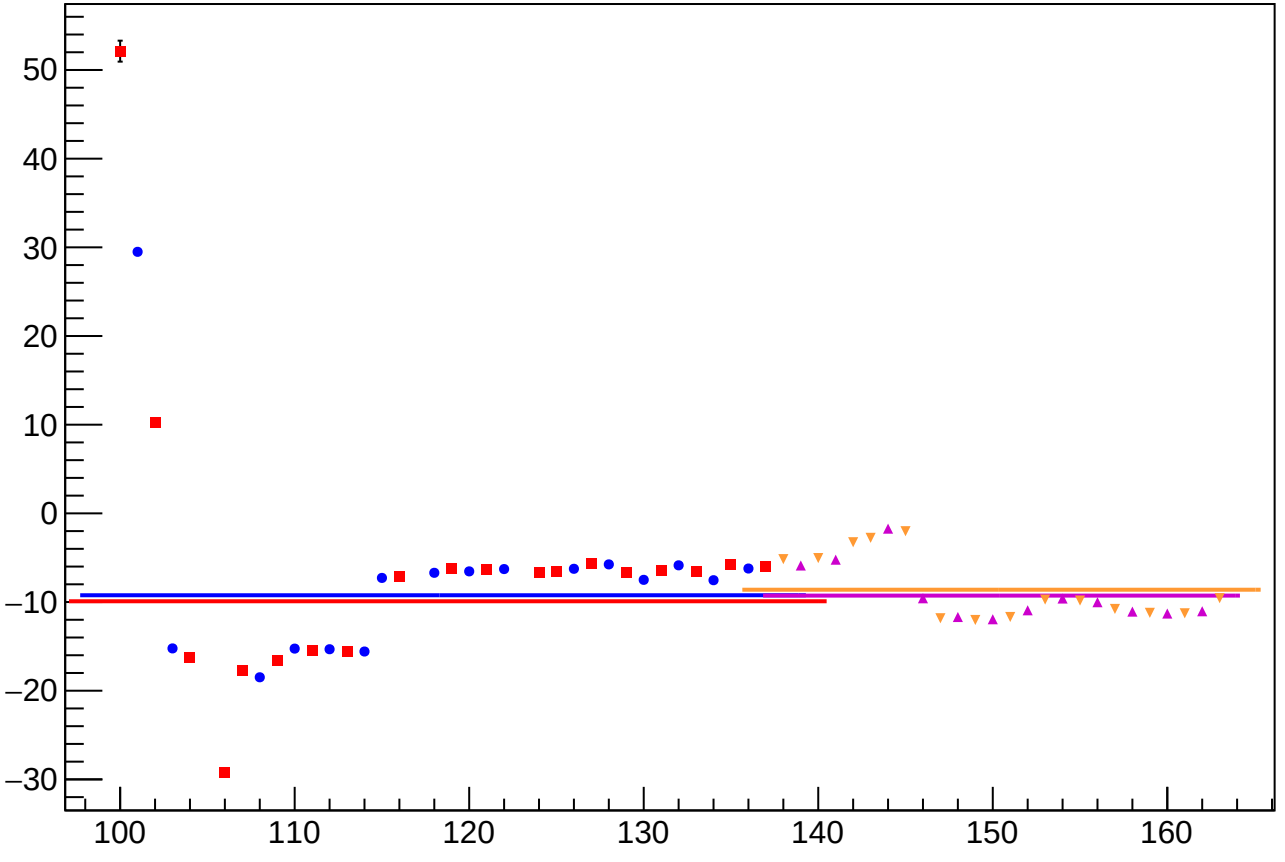
Left In: 15.804+/-0.375 χ^2/NDF:121.1/11

+ sign 17.445+/-0.303 χ^2/NDF: 296.8/29

All: 17.233+/-0.218 χ^2/NDF: 635.3/60

- sign 17.002+/-0.316 χ^2/NDF: 337.4/30

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.611+/-0.016 χ^2/NDF:43539.7/13

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

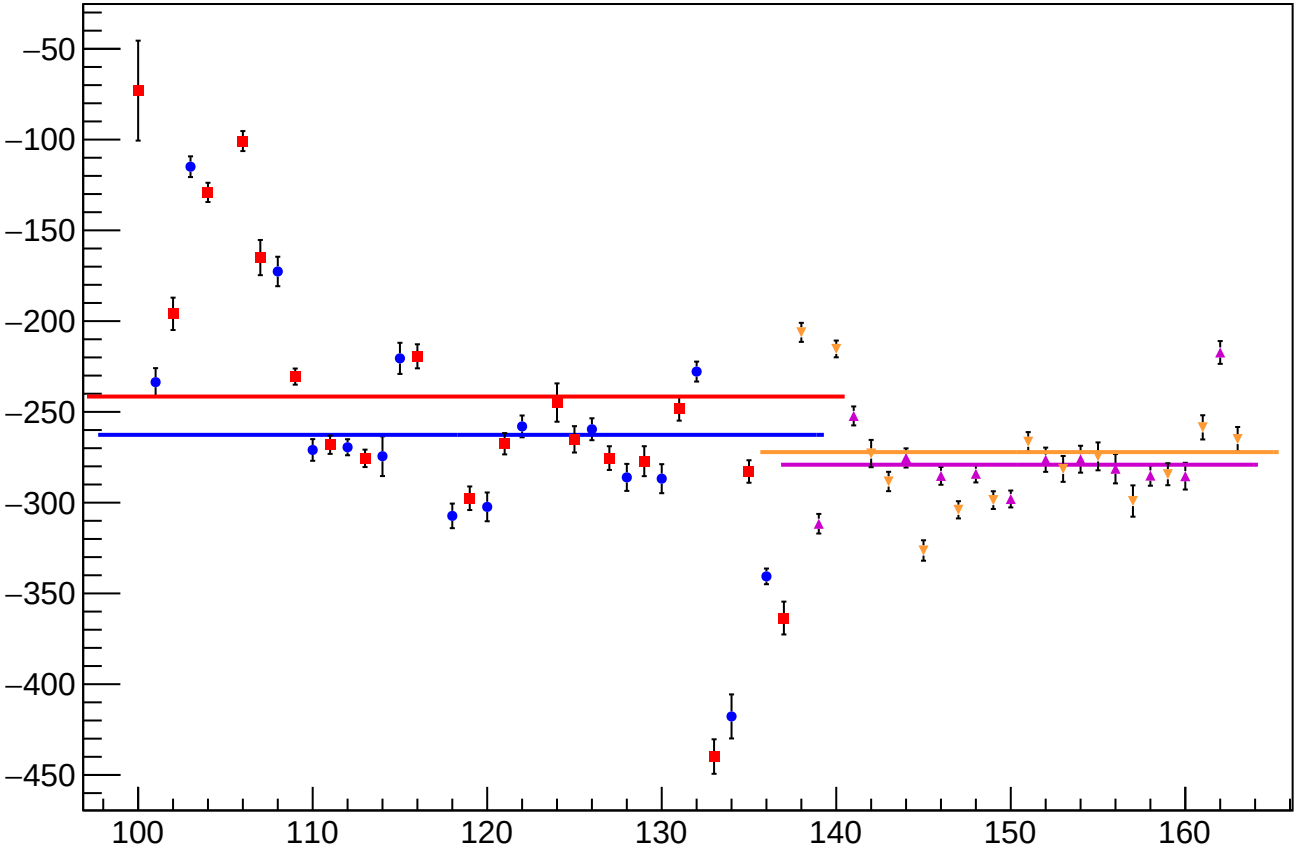
Left In: -9.274+/-0.017 χ^2/NDF:28830.4/11

+ sign -8.734+/-0.015 χ^2/NDF: 74988.7/29

All: -9.054+/-0.011 χ^2/NDF: 158954.8/60

- sign -9.398+/-0.015 χ^2/NDF: 82970.9/30

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.150+/-1.558 χ^2/NDF:508.1/13

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

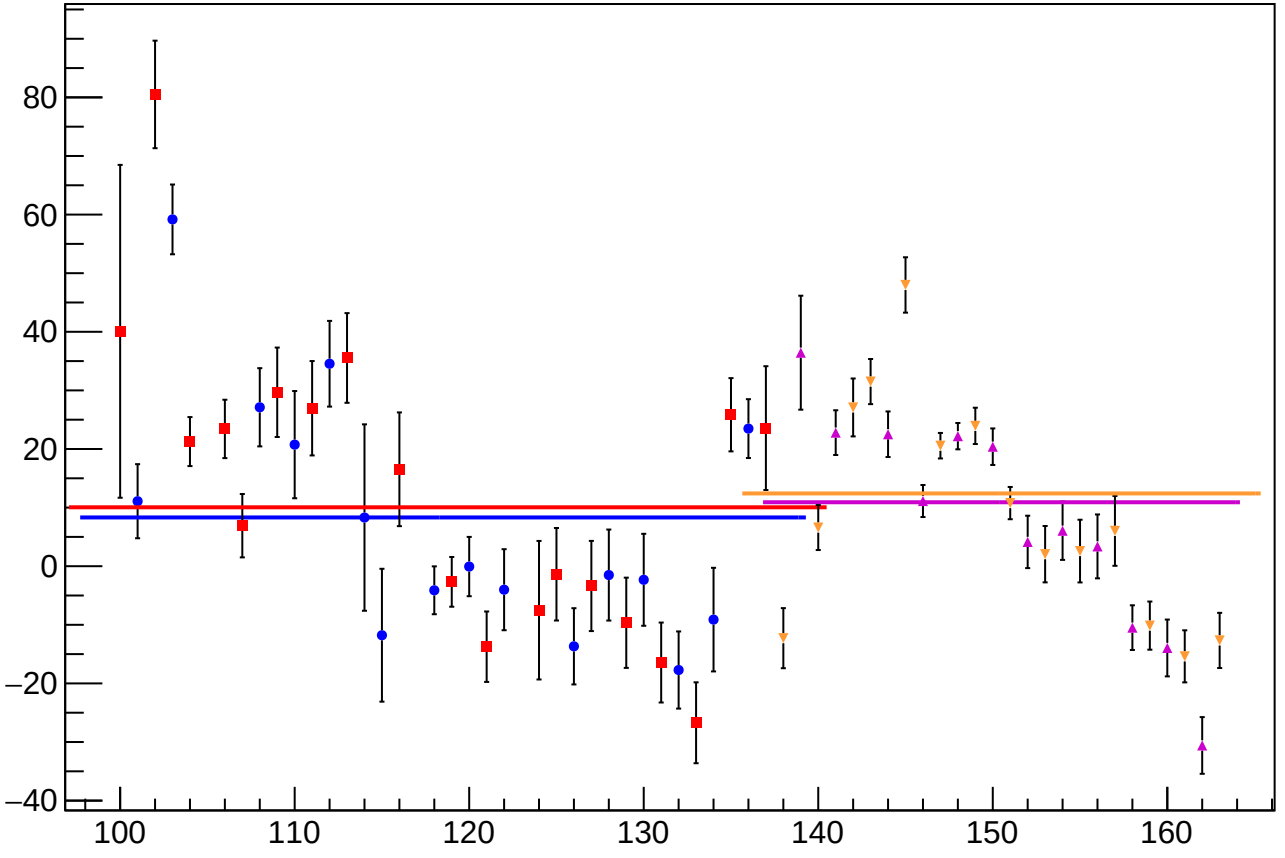
Left In: -279.103+/-1.644 χ^2/NDF:181.3/11

\+ sign -267.564+/-1.121 χ^2/NDF: 1980.4/29

All: -263.085+/-0.789 χ^2/NDF: 4615.7/60

\- sign -258.689+/-1.110 χ^2/NDF: 2603.7/30

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 12.417+/-1.017 χ^2/NDF:250.7/13

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

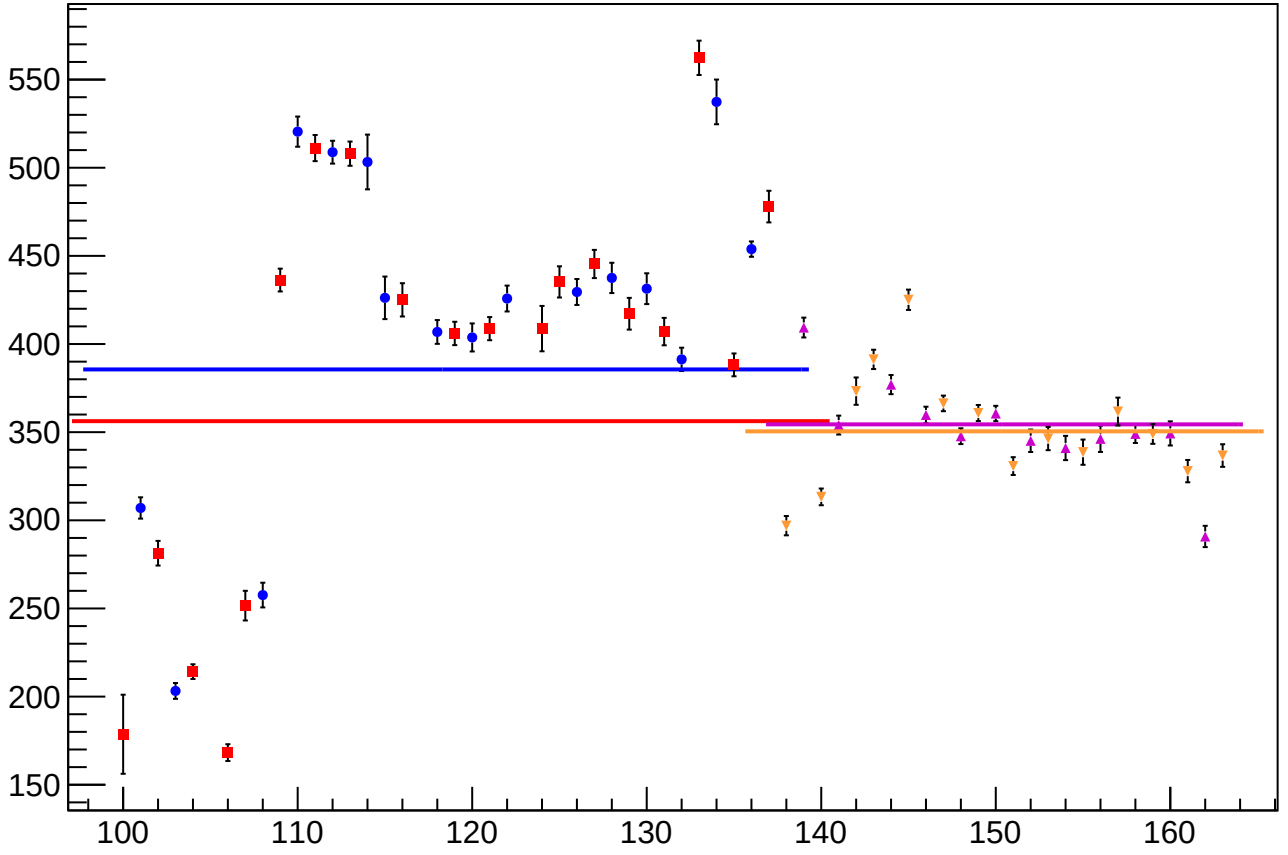
Left In: 10.913+/-1.079 χ^2/NDF:196.5/11

+ sign 11.284+/-0.865 χ^2/NDF: 412.8/29

All: 10.964+/-0.618 χ^2/NDF: 797.2/60

- sign 10.629+/-0.884 χ^2/NDF: 384.1/30

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 350.473+/-1.514 χ^2/NDF:444.9/13

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

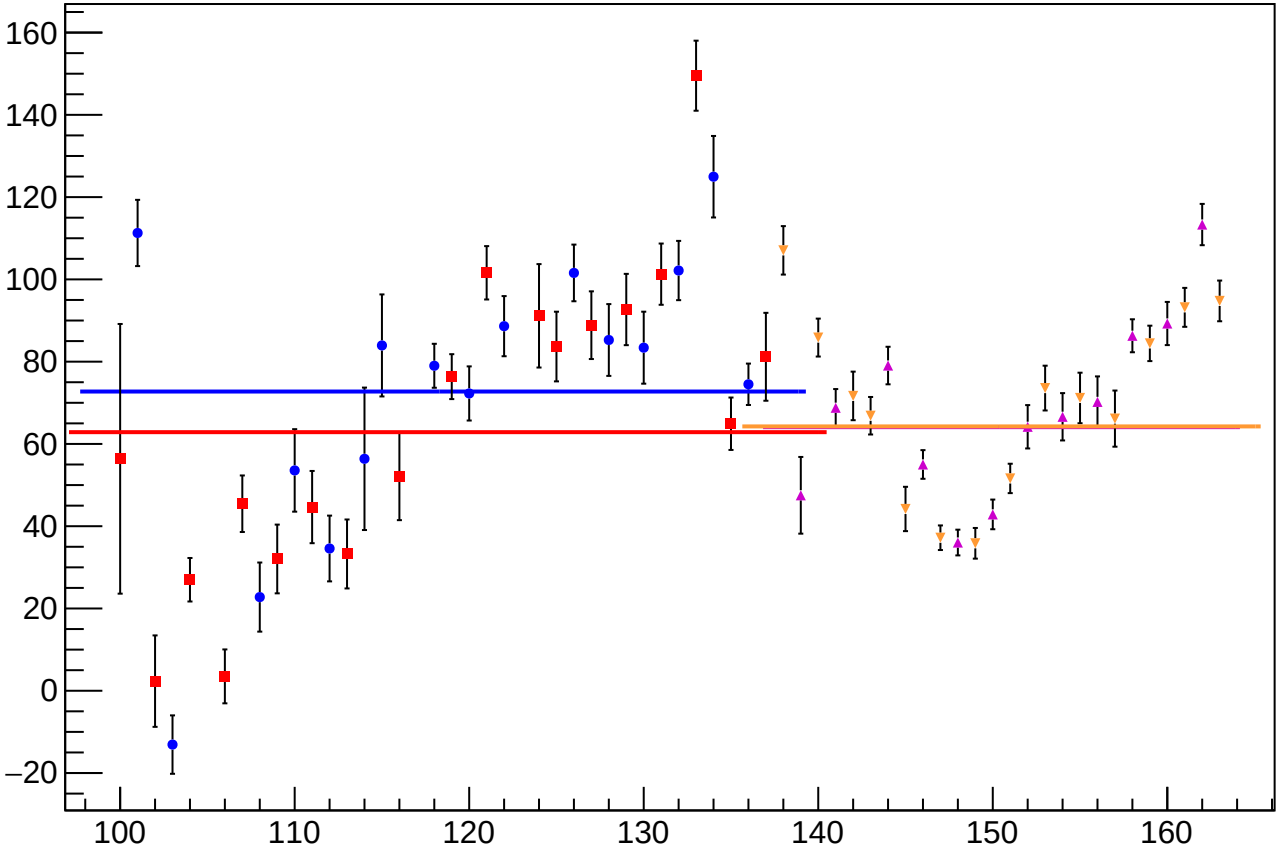
Left In: 354.430+/-1.583 χ^2/NDF:237.5/11

+ sign 365.587+/-1.143 χ^2/NDF: 4049.4/29

All: 360.437+/-0.808 χ^2/NDF: 9598.3/60

- sign 355.302+/-1.141 χ^2/NDF: 5508.3/30

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 64.259+/-1.221 χ^2/NDF:344.7/13

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

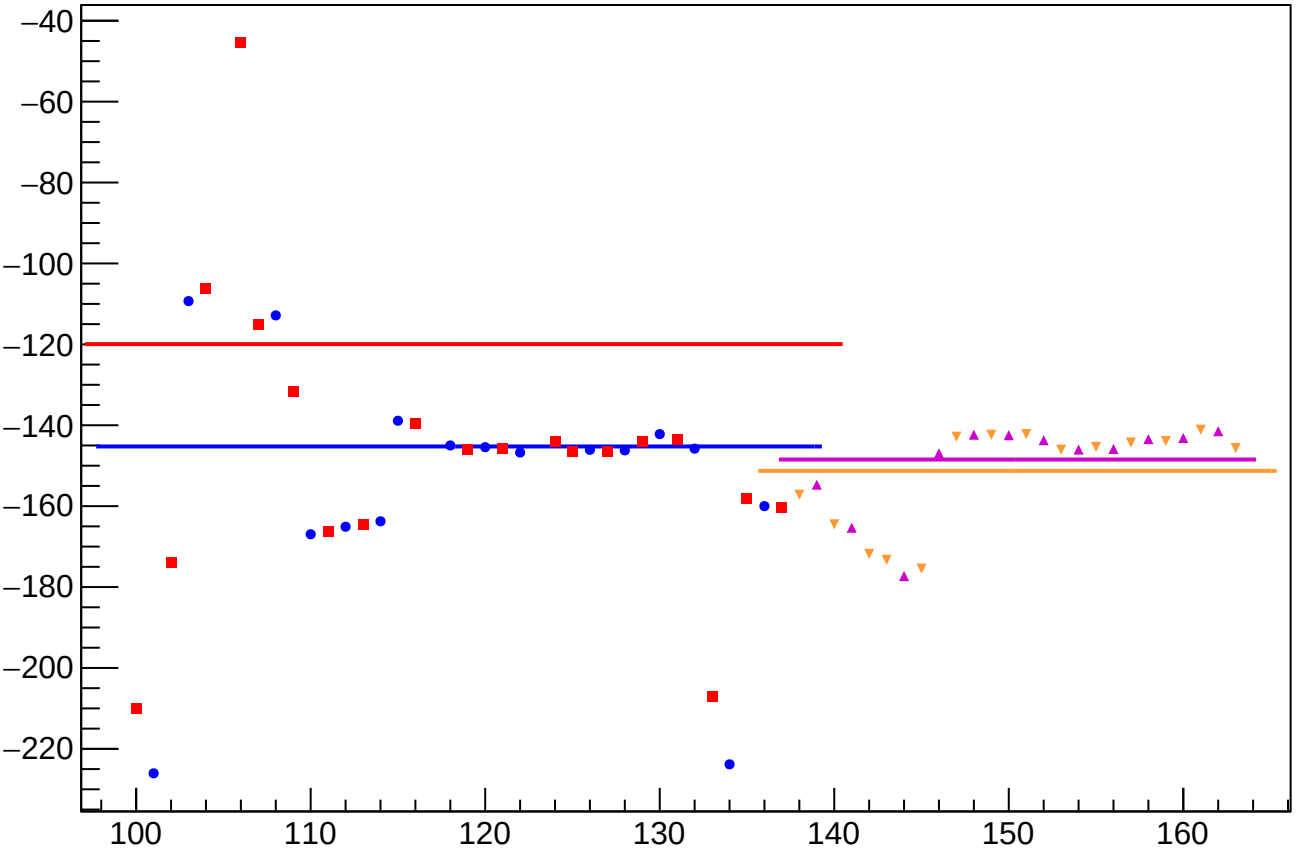
Left In: 64.082+/-1.291 χ^2/NDF:288.0/11

+ sign 66.745+/-1.027 χ^2/NDF: 663.2/29

All: 65.237+/-0.733 χ^2/NDF: 1359.5/60

- sign 63.666+/-1.048 χ^2/NDF: 691.9/30

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -151.273+/-0.059 χ^2/NDF:41335.7/13

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

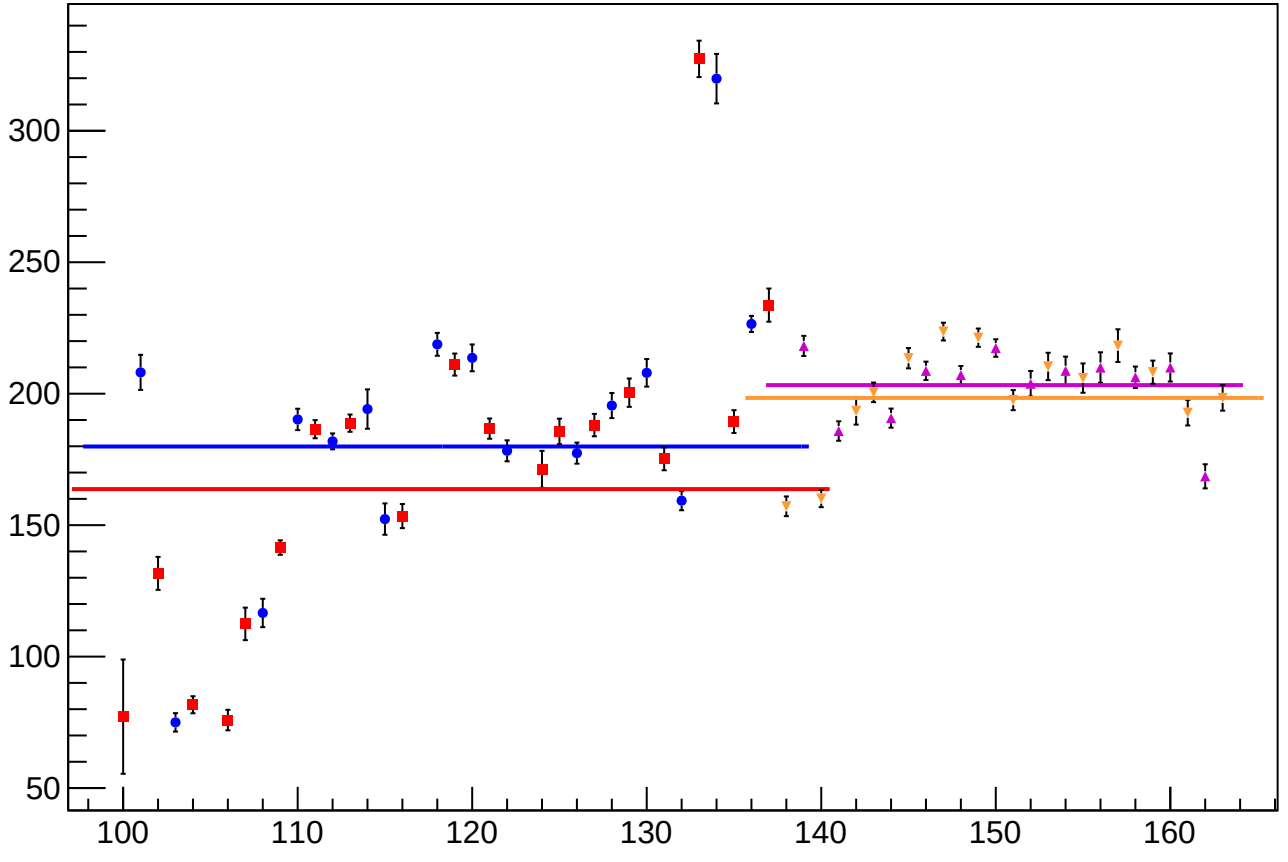
Left In: -148.471+/-0.061 χ^2/NDF:26154.7/11

+ sign -149.674+/-0.051 χ^2/NDF: 176153.0/29

All: -144.498+/-0.036 χ^2/NDF: 563560.0/60

- sign -139.444+/-0.050 χ^2/NDF: 366765.5/30

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.394+/-1.111 χ^2/NDF:396.5/13

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

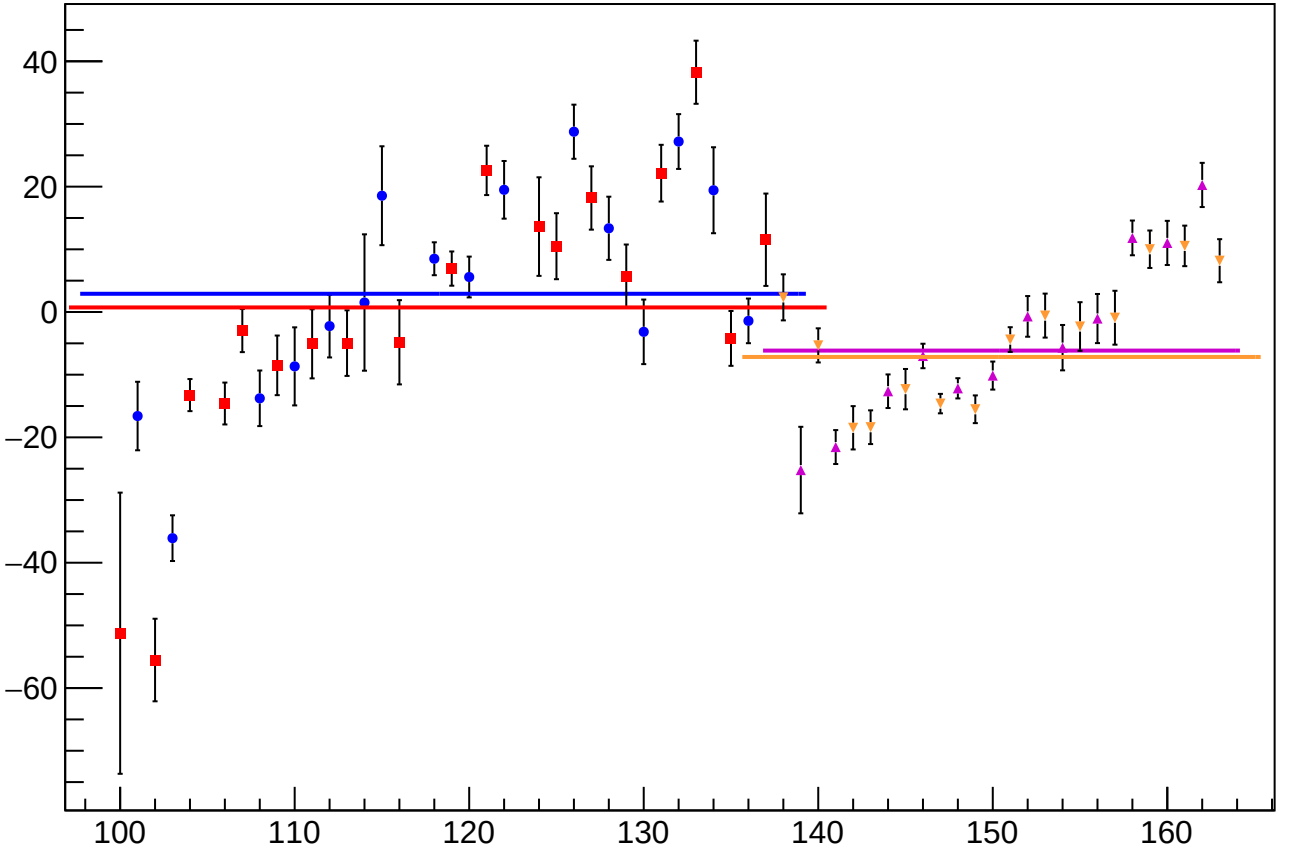
Left In: 203.265+/-1.176 χ^2/NDF:132.6/11

\+ sign 188.964+/-0.778 χ^2/NDF: 2270.2/29

All: 184.559+/-0.544 χ^2/NDF: 5538.4/60

\- sign 180.329+/-0.762 χ^2/NDF: 3205.3/30

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -7.173+/-0.726 χ^2/NDF:167.2/13

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

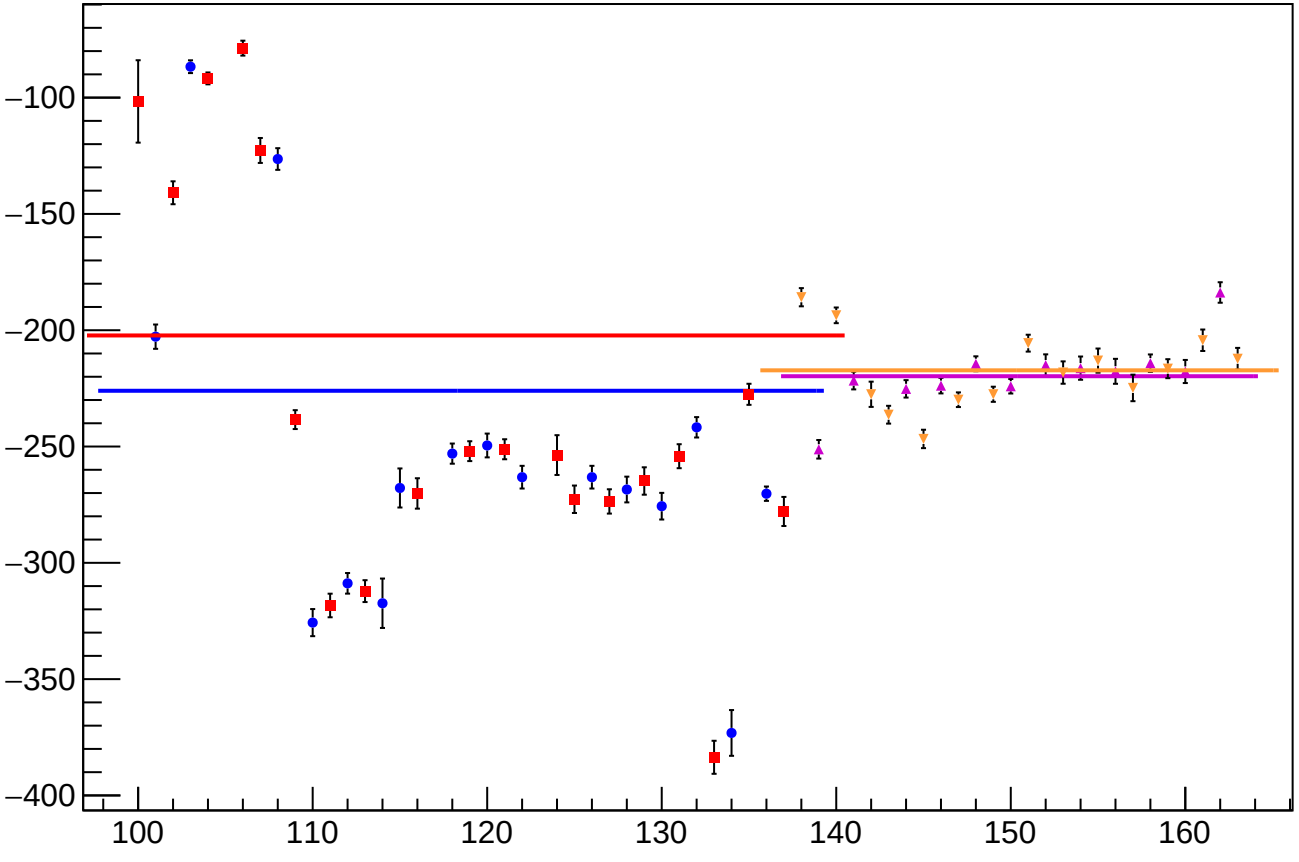
Left In: -6.156+/-0.774 χ^2/NDF:189.7/11

+ sign -4.132+/-0.607 χ^2/NDF: 472.9/29

All: -3.878+/-0.432 χ^2/NDF: 965.7/60

- sign -3.617+/-0.615 χ^2/NDF: 492.5/30

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -217.240+/-1.082 χ^2/NDF:245.7/13

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

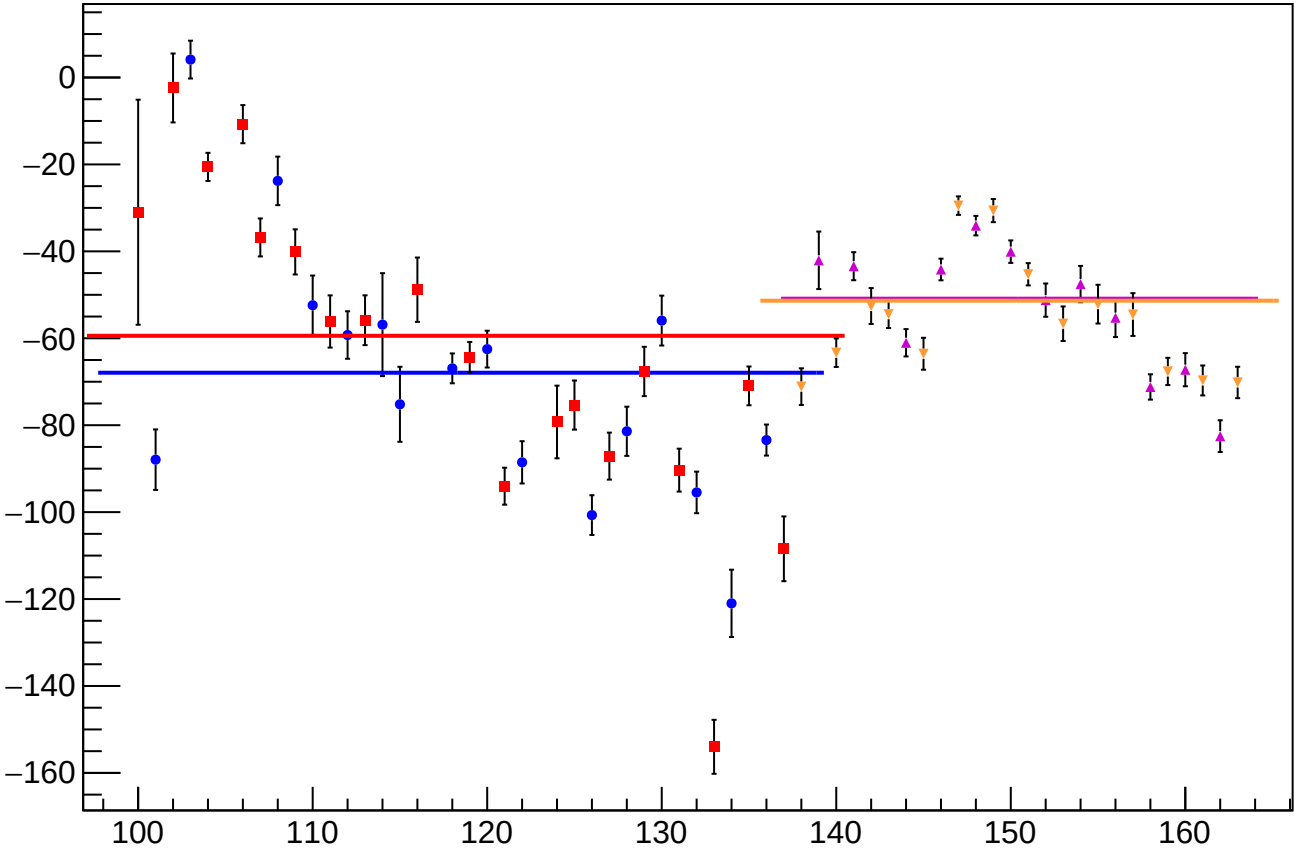
Left In: -219.773+/-1.134 χ^2/NDF:141.3/11

+ sign -221.271+/-0.796 χ^2/NDF: 4815.0/29

All: -215.881+/-0.559 χ^2/NDF: 11862.0/60

- sign -210.640+/-0.785 χ^2/NDF: 6956.5/30

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -51.351+/-0.873 χ^2/NDF:303.9/13

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

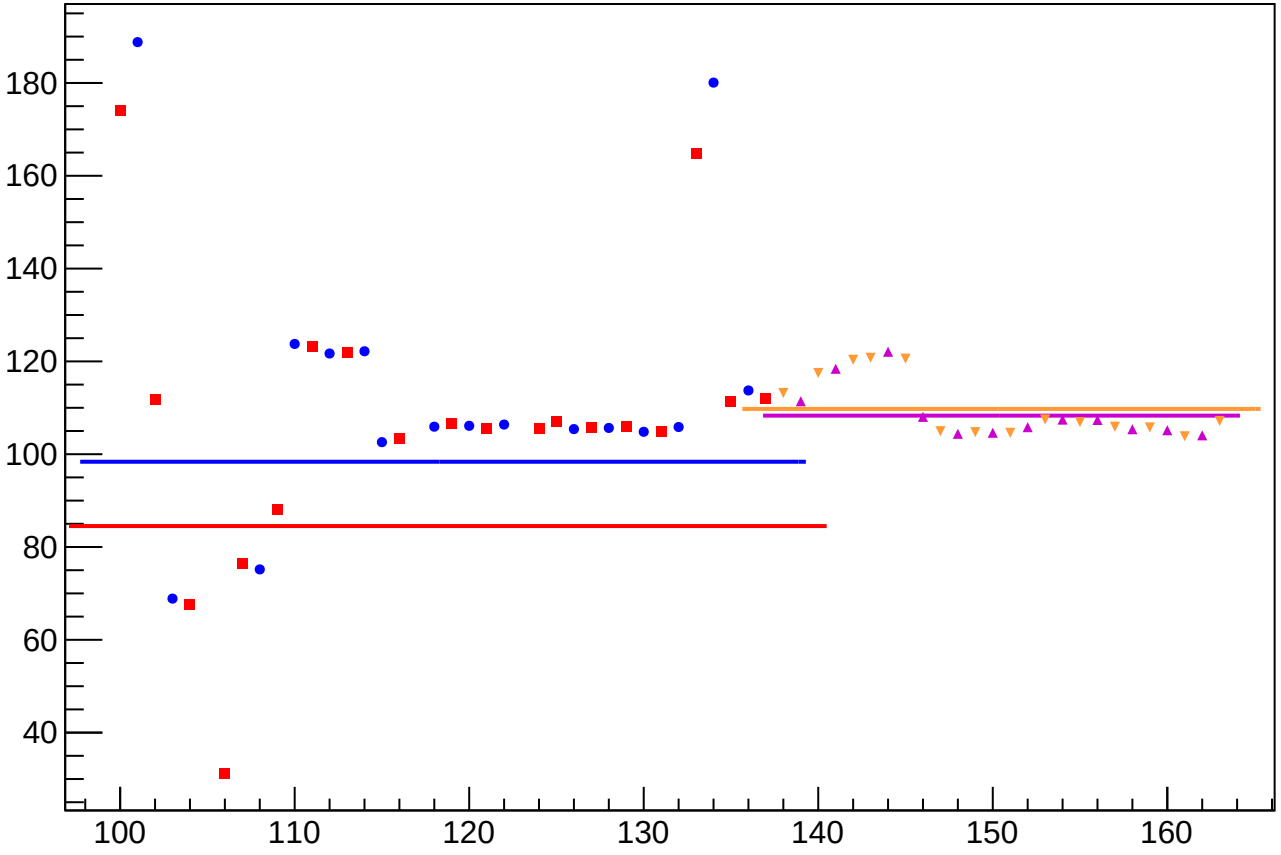
Left In: -50.891+/-0.926 χ^2/NDF:241.6/11

+ sign -56.623+/-0.721 χ^2/NDF: 952.6/29

All: -55.391+/-0.513 χ^2/NDF: 2027.3/60

- sign -54.130+/-0.729 χ^2/NDF: 1068.7/30

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 109.758+/-0.042 χ^2/NDF:21972.1/13

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

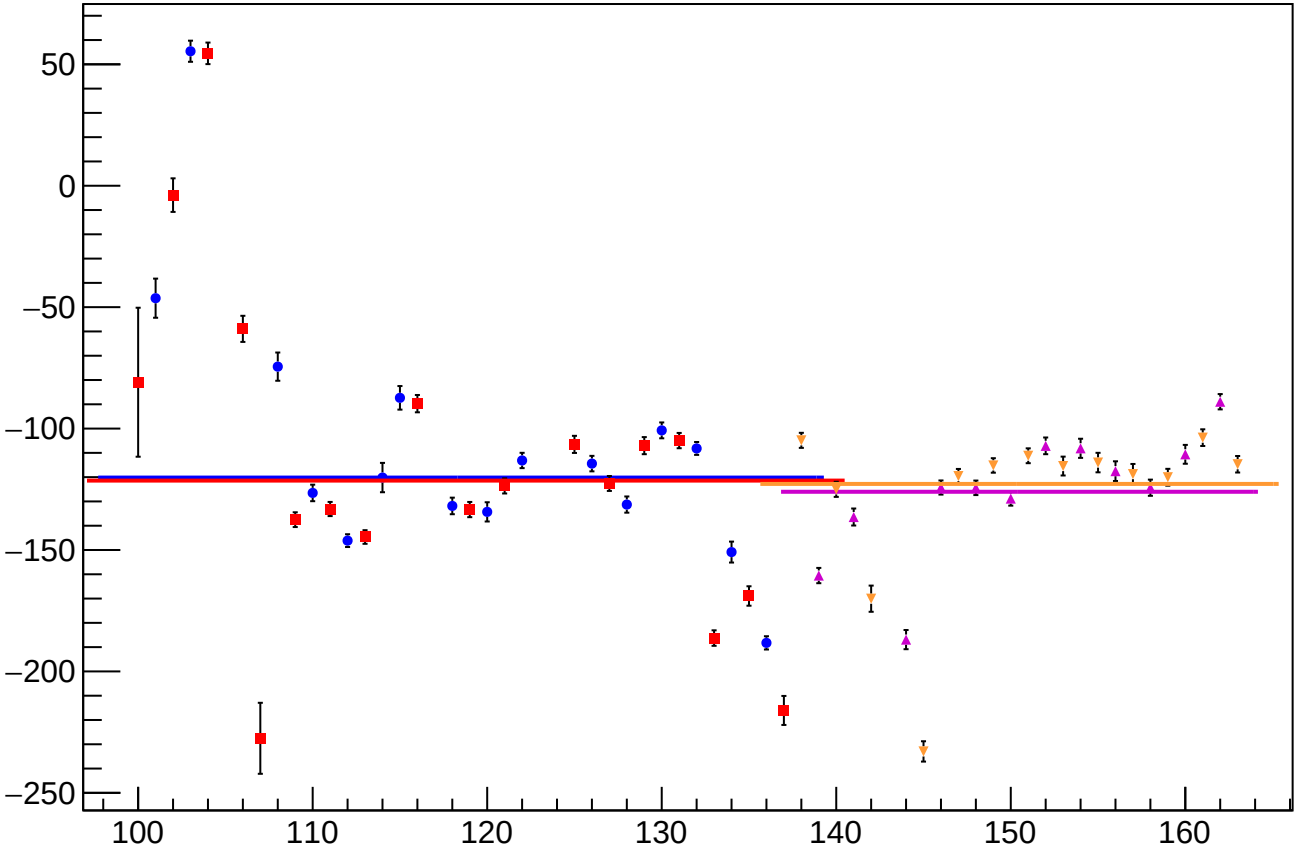
Left In: 108.315+/-0.043 χ^2/NDF:14978.8/11

\+ sign 106.448+/-0.036 χ^2/NDF: 271453.2/29

All: 103.317+/-0.025 χ^2/NDF: 672505.3/60

\- sign 100.240+/-0.035 χ^2/NDF: 385733.0/30

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.791+/-0.965 χ^2/NDF:871.6/12

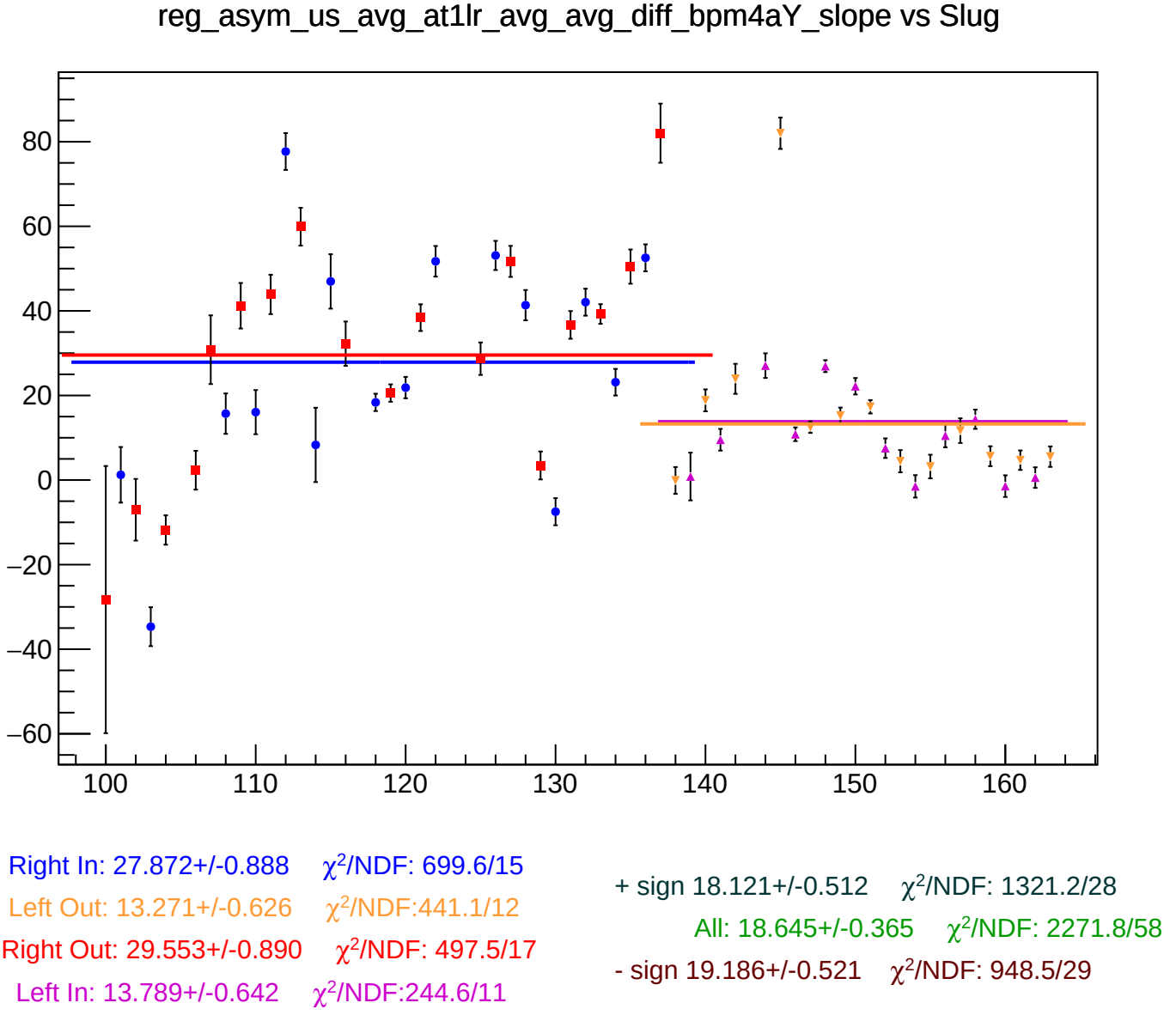
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

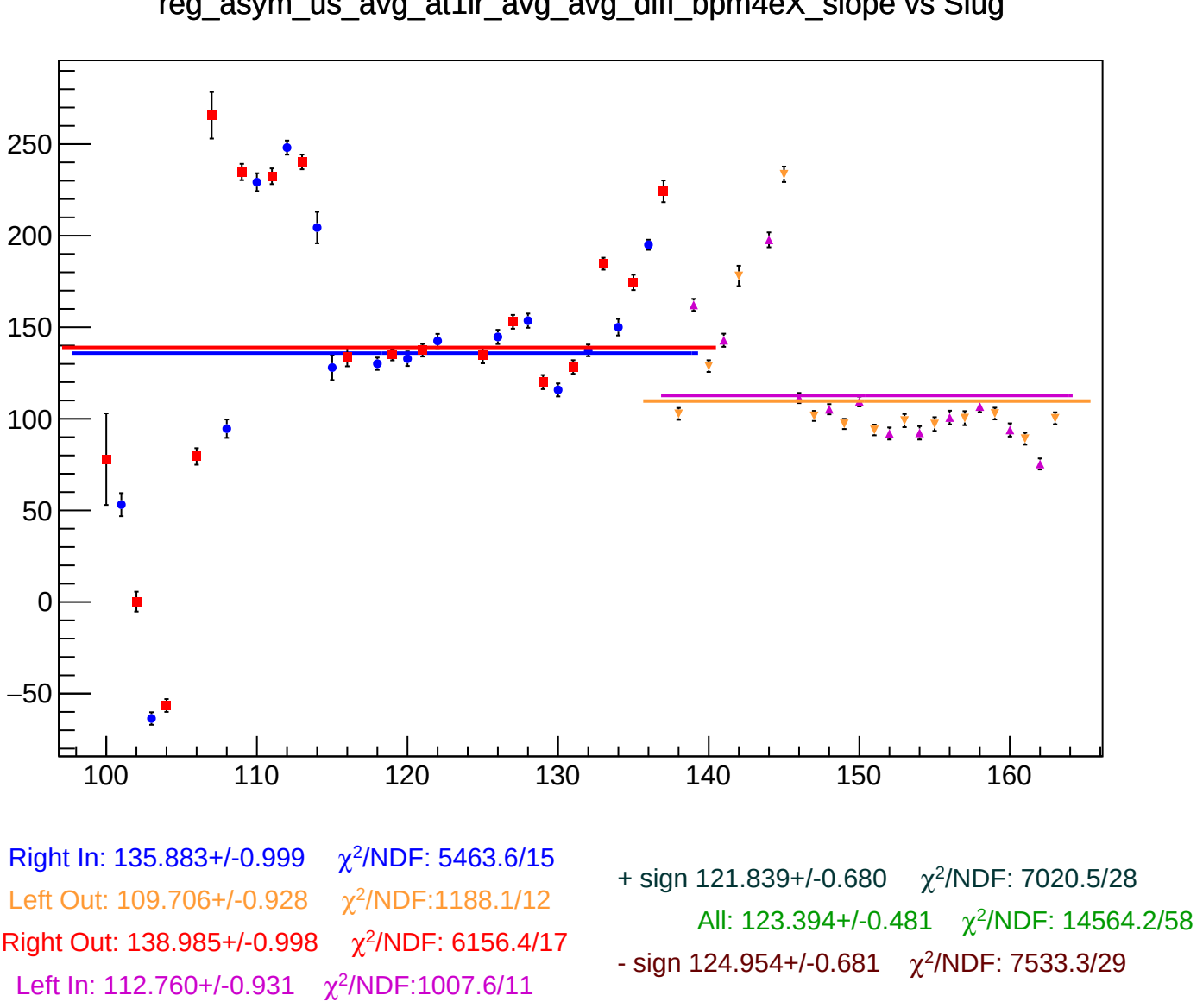
Left In: -126.023+/-0.970 χ^2/NDF:577.4/11

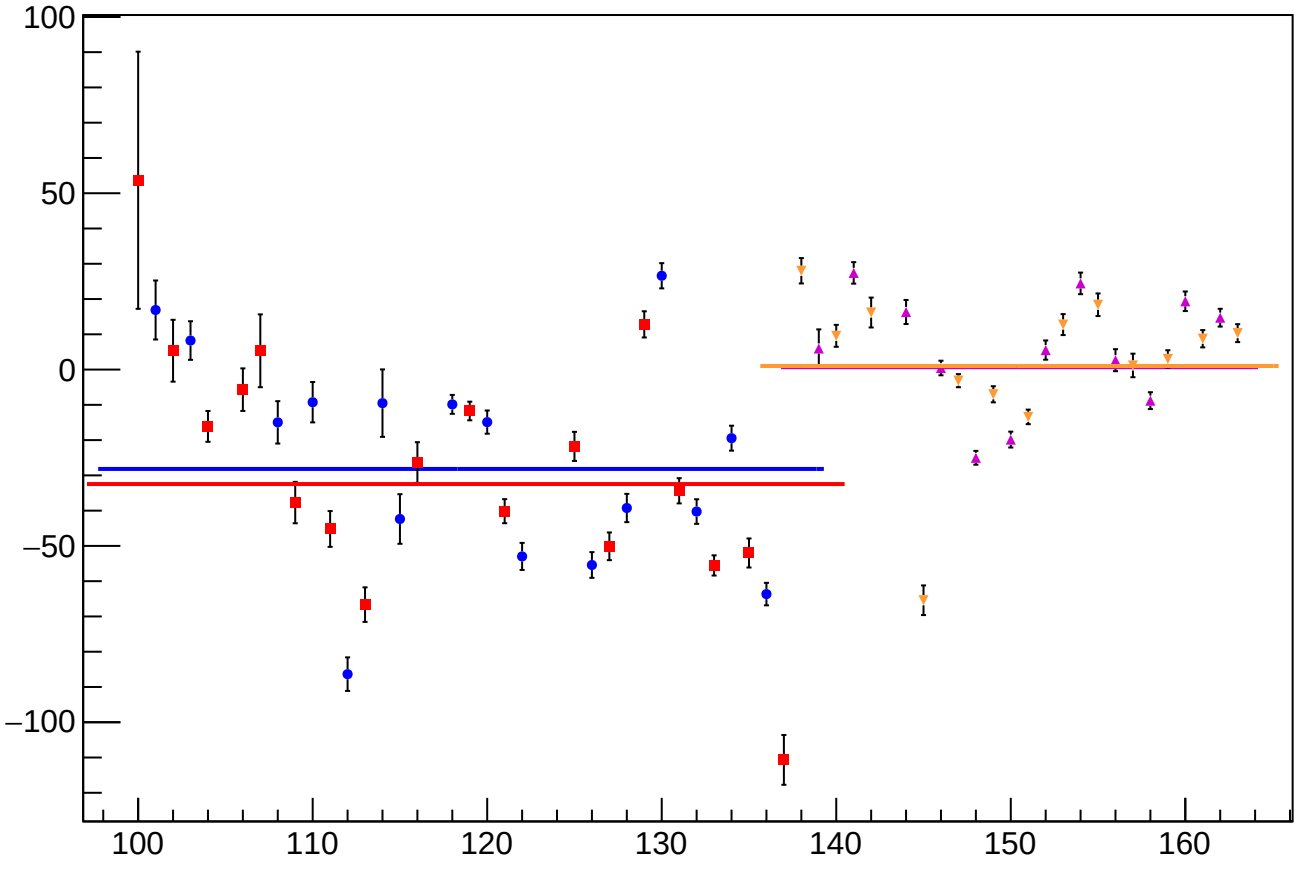
+ sign -121.379+/-0.655 χ^2/NDF: 3566.7/28

All: -122.439+/-0.461 χ^2/NDF: 7288.1/58

- sign -123.485+/-0.650 χ^2/NDF: 3716.2/29


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 27.872+/-0.888 χ²/NDF: 699.6/15
Left Out: 13.271+/-0.626 χ²/NDF:441.1/12
Right Out: 29.553+/-0.890 χ²/NDF: 497.5/17
Left In: 13.789+/-0.642 χ²/NDF:244.6/11
+ sign 18.121+/-0.512 χ²/NDF: 1321.2/28
All: 18.645+/-0.365 χ²/NDF: 2271.8/58
- sign 19.186+/-0.521 χ²/NDF: 948.5/29


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: 135.883+/-0.999 χ²/NDF: 5463.6/15
Left Out: 109.706+/-0.928 χ²/NDF:1188.1/12
Right Out: 138.985+/-0.998 χ²/NDF: 6156.4/17
Left In: 112.760+/-0.931 χ²/NDF:1007.6/11
+ sign 121.839+/-0.680 χ²/NDF: 7020.5/28
All: 123.394+/-0.481 χ²/NDF: 14564.2/58
- sign 124.954+/-0.681 χ²/NDF: 7533.3/29



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.015+/-0.746 χ^2/NDF:461.7/12

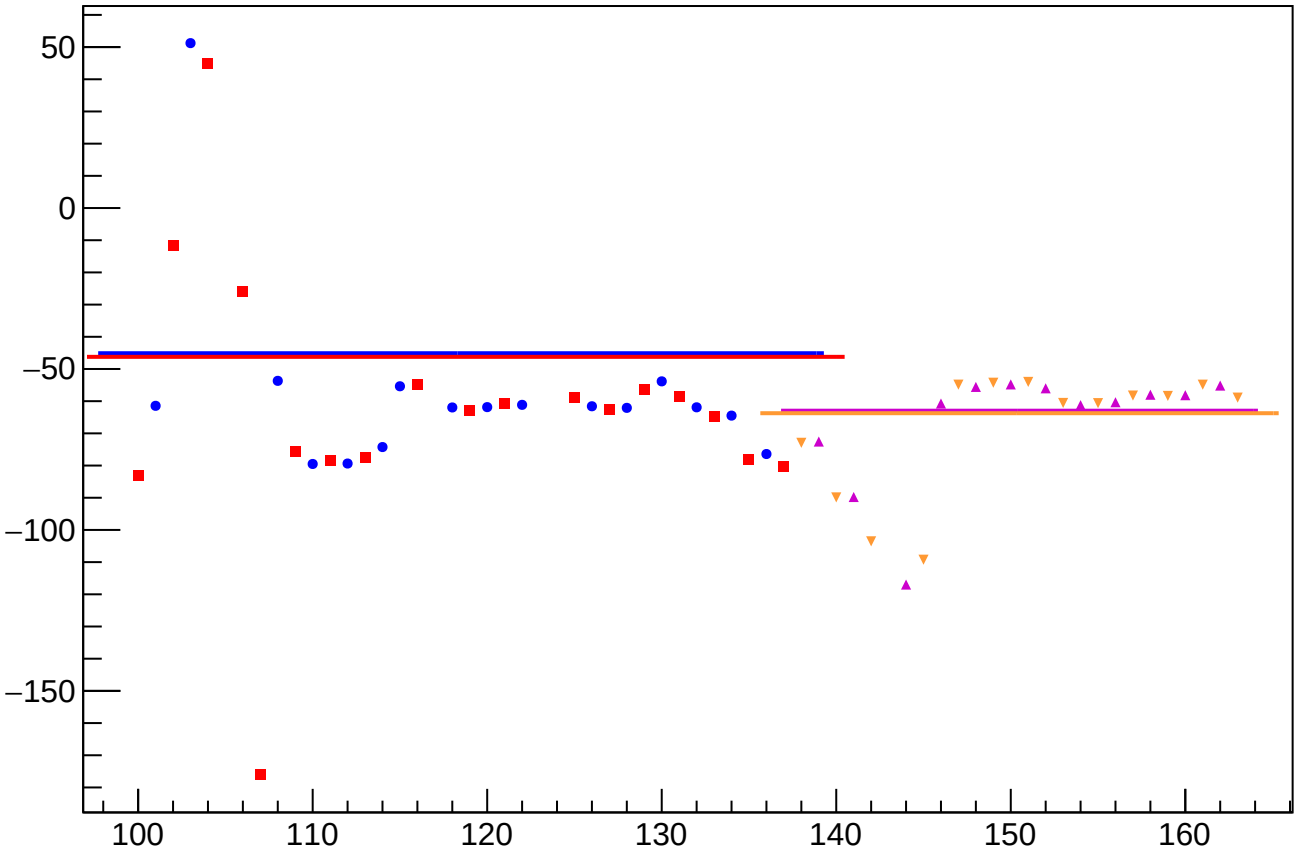
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.670+/-0.761 χ^2/NDF:509.7/11

\+ sign -9.137+/-0.603 χ^2/NDF: 1784.7/28

All: -10.091+/-0.429 χ^2/NDF: 3551.6/58

\- sign -11.073+/-0.612 χ^2/NDF: 1761.8/29



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -63.740+/-0.035 χ^2/NDF:176316.8/12

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

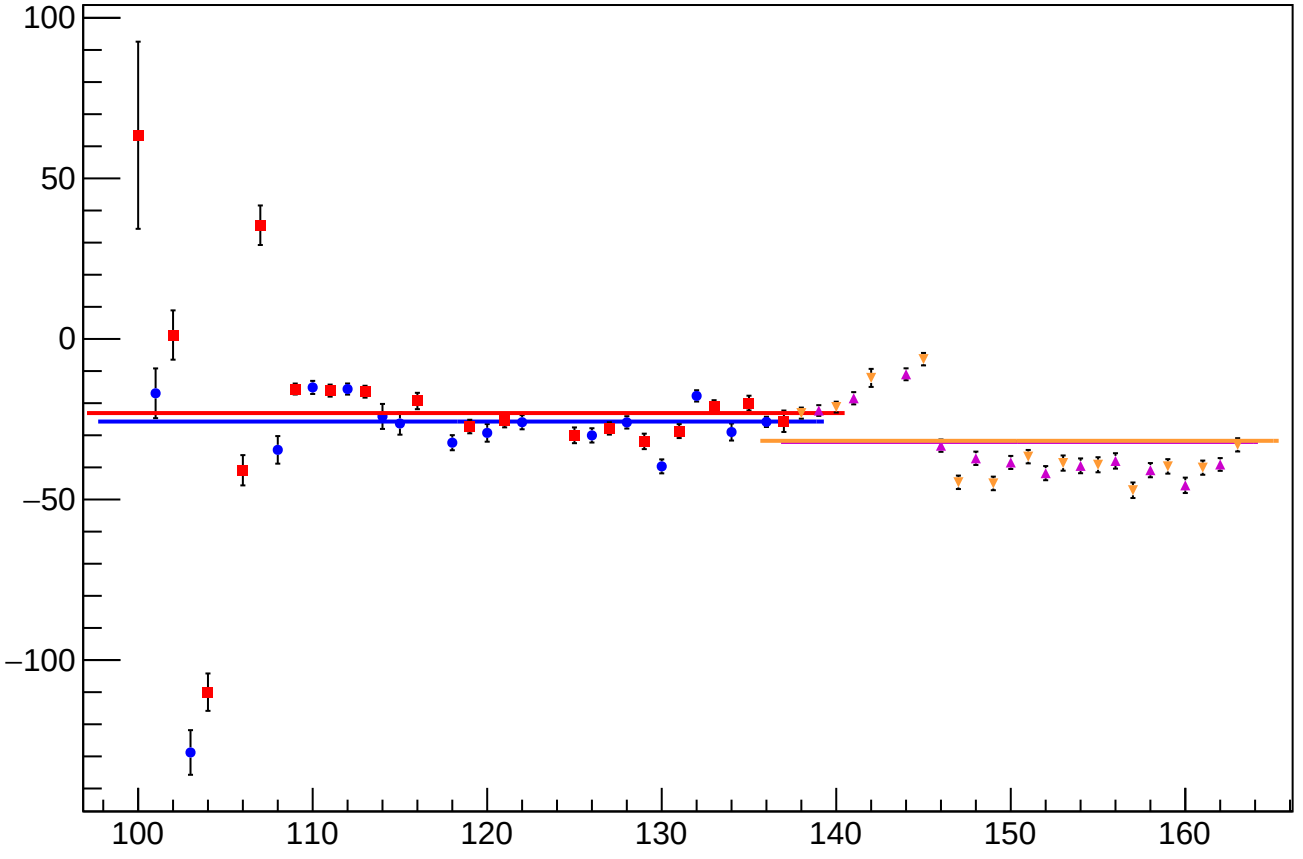
Left In: -62.961+/-0.035 χ^2/NDF:150165.5/11

\+ sign -58.969+/-0.030 χ^2/NDF: 822942.4/28

All: -58.973+/-0.022 χ^2/NDF: 1521172.8/58

\- sign -58.976+/-0.031 χ^2/NDF: 698230.3/29

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: -31.722+/-0.585 χ^2/NDF:453.4/12

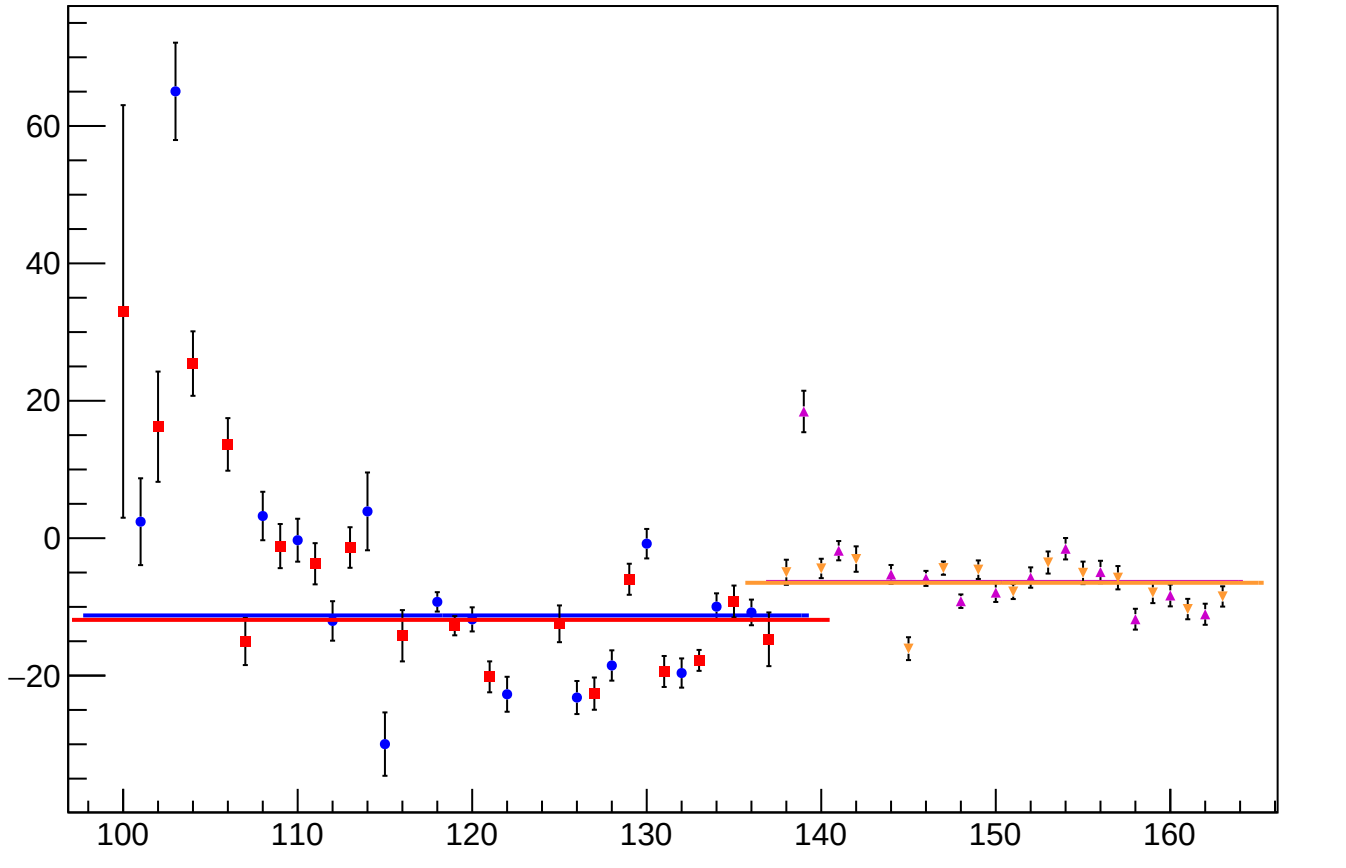
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.079+/-0.591 χ^2/NDF:325.8/11

+ sign -28.749+/-0.415 χ^2/NDF: 868.6/28

All: -28.128+/-0.293 χ^2/NDF: 1753.7/58

- sign -27.509+/-0.415 χ^2/NDF: 880.6/29



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.492+/-0.396 χ^2/NDF:61.5/12

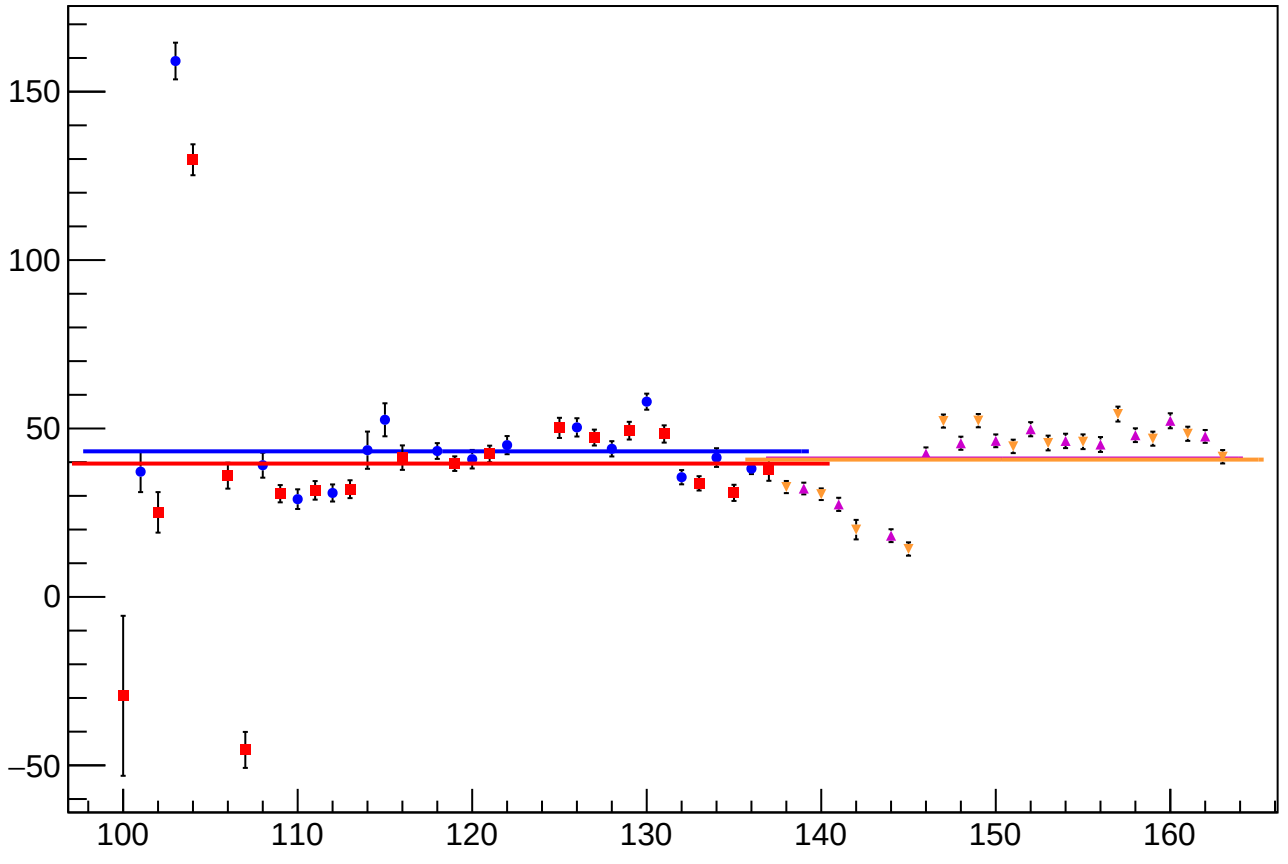
Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.367+/-0.407 χ^2/NDF:122.6/11

\+ sign -7.937+/-0.331 χ^2/NDF: 376.2/28

All: -8.007+/-0.236 χ^2/NDF: 780.5/58

\- sign -8.079+/-0.338 χ^2/NDF: 404.2/29



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.767+/-0.567 χ^2/NDF:429.5/12

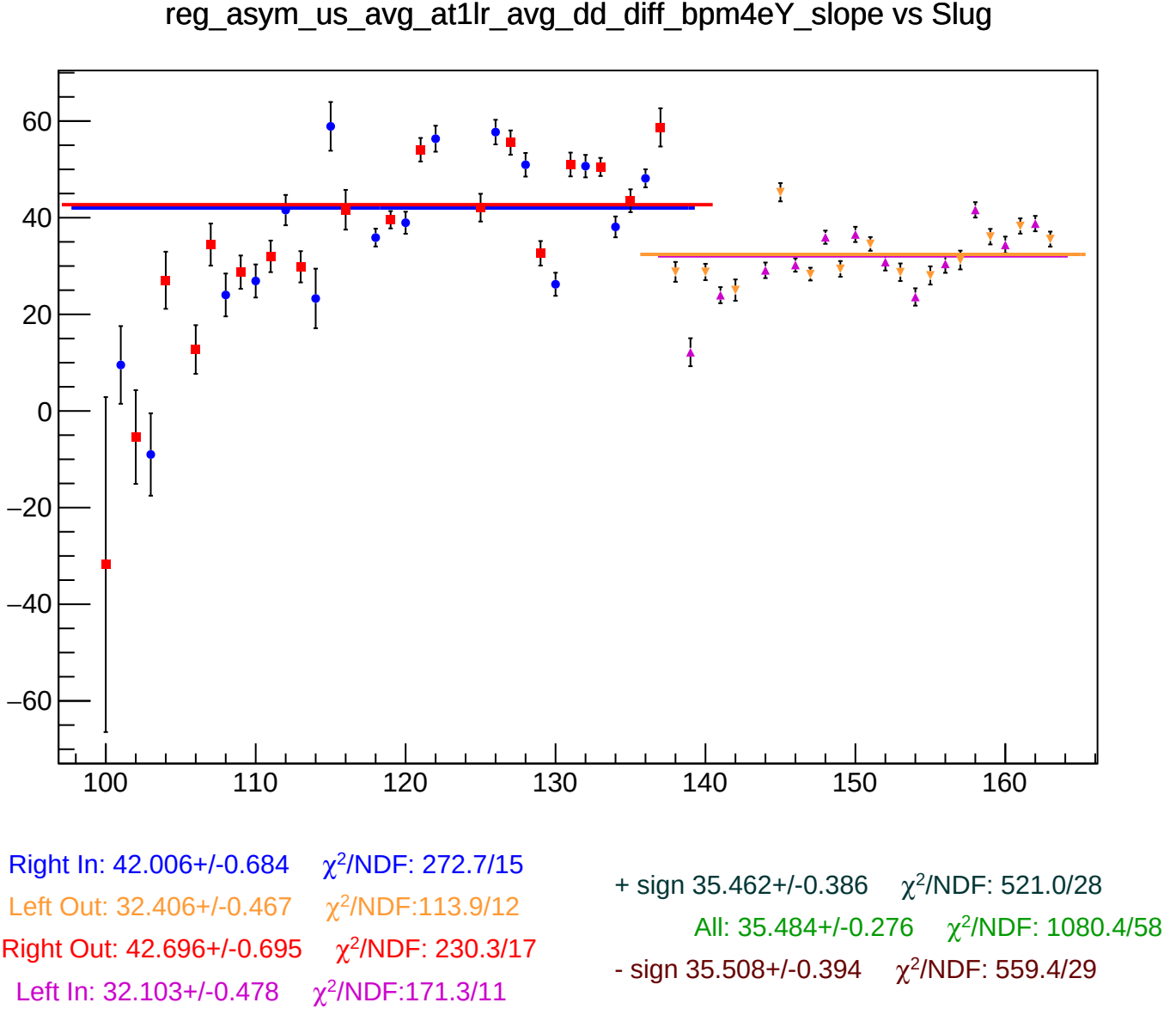
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

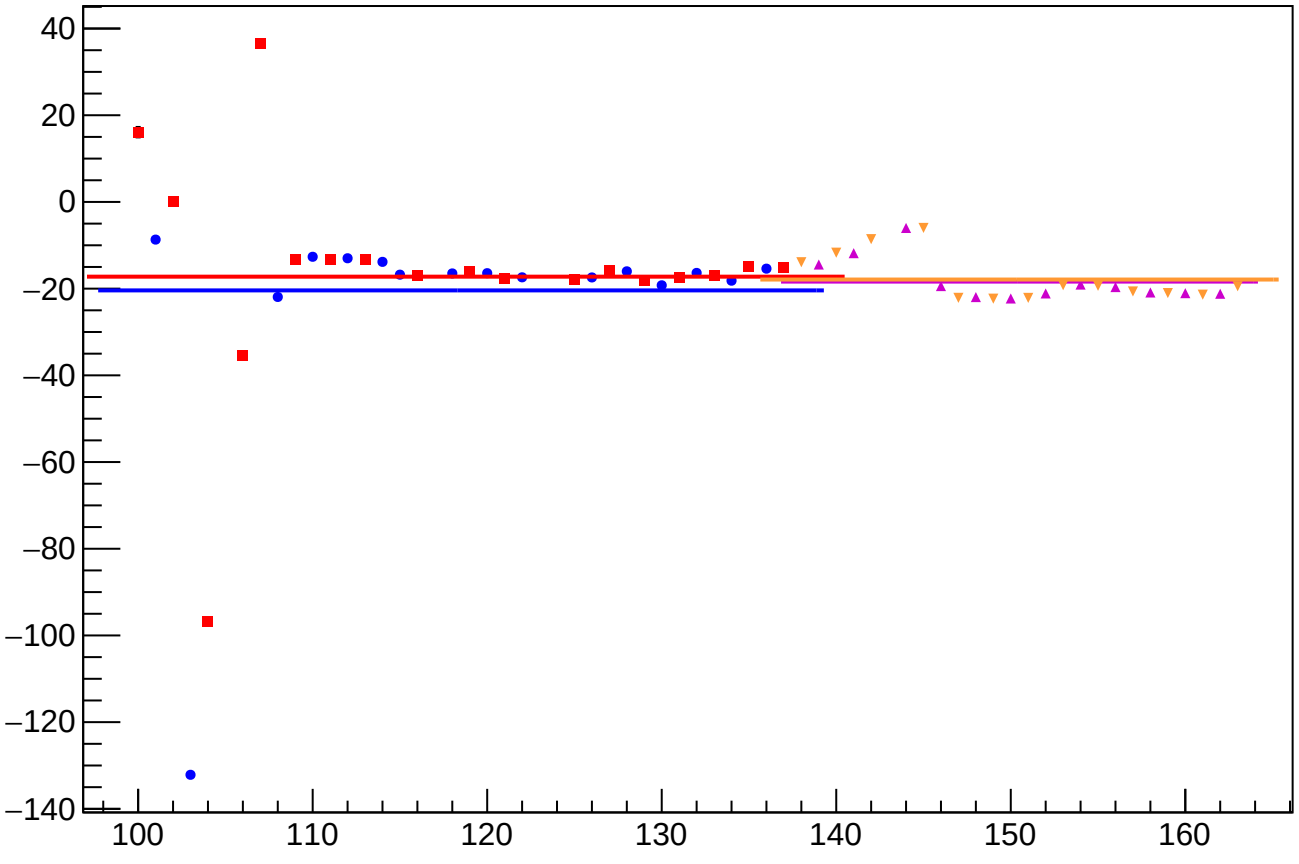
Left In: 41.087+/-0.572 χ^2/NDF:306.6/11

\+ sign 41.777+/-0.435 χ^2/NDF: 1013.2/28

All: 41.130+/-0.309 χ^2/NDF: 2081.1/58

\- sign 40.471+/-0.439 χ^2/NDF: 1063.5/29


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 32.406+/-0.467 χ²/NDF:113.9/12
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 32.103+/-0.478 χ²/NDF:171.3/11
+ sign 35.462+/-0.386 χ²/NDF: 521.0/28
All: 35.484+/-0.276 χ²/NDF: 1080.4/58
- sign 35.508+/-0.394 χ²/NDF: 559.4/29



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.901+/-0.021 χ^2/NDF:54006.8/12

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

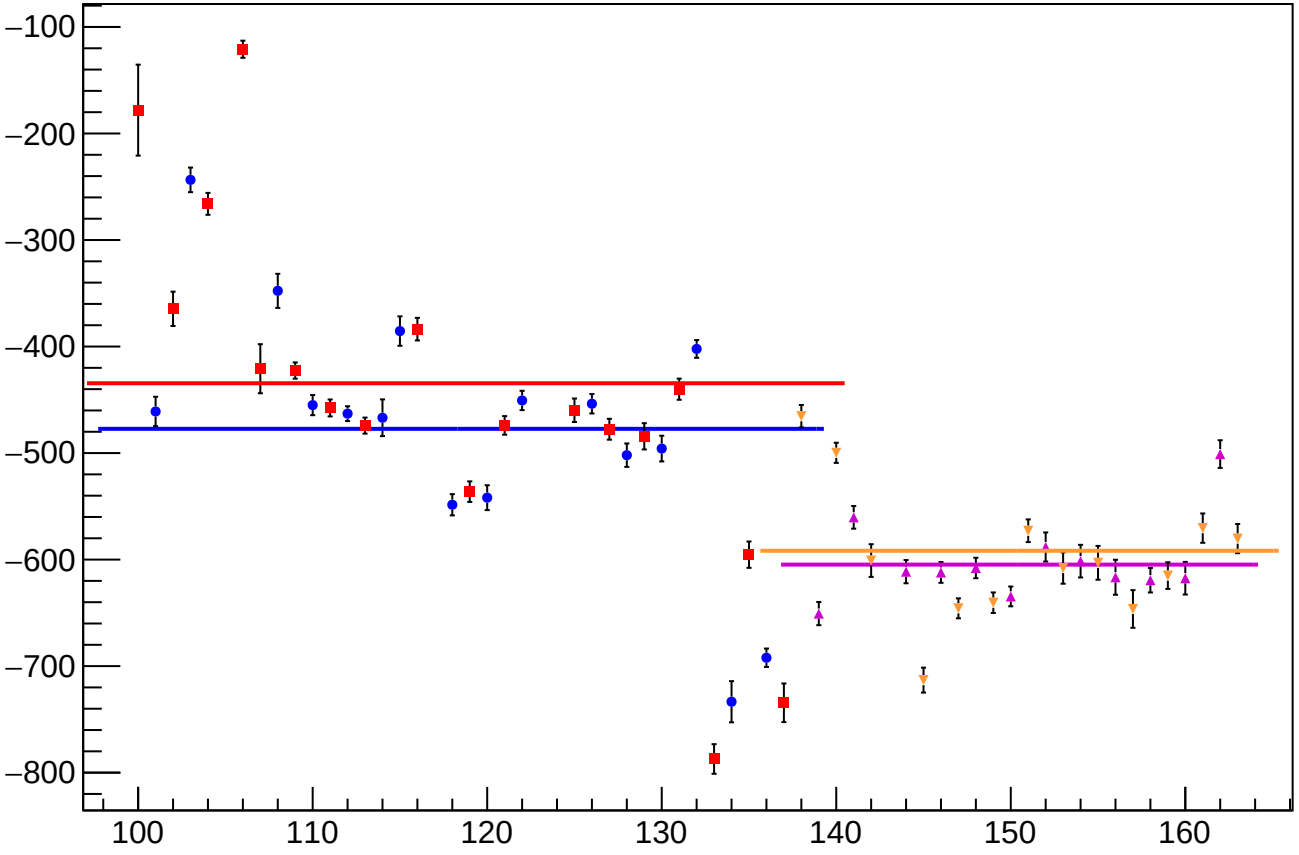
Left In: -18.375+/-0.021 χ^2/NDF:42222.8/11

+ sign -18.421+/-0.019 χ^2/NDF: 302446.9/28

All: -18.290+/-0.014 χ^2/NDF: 549961.1/58

- sign -18.156+/-0.019 χ^2/NDF: 247419.1/29

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: -591.696+/-3.306 χ^2/NDF:426.5/12

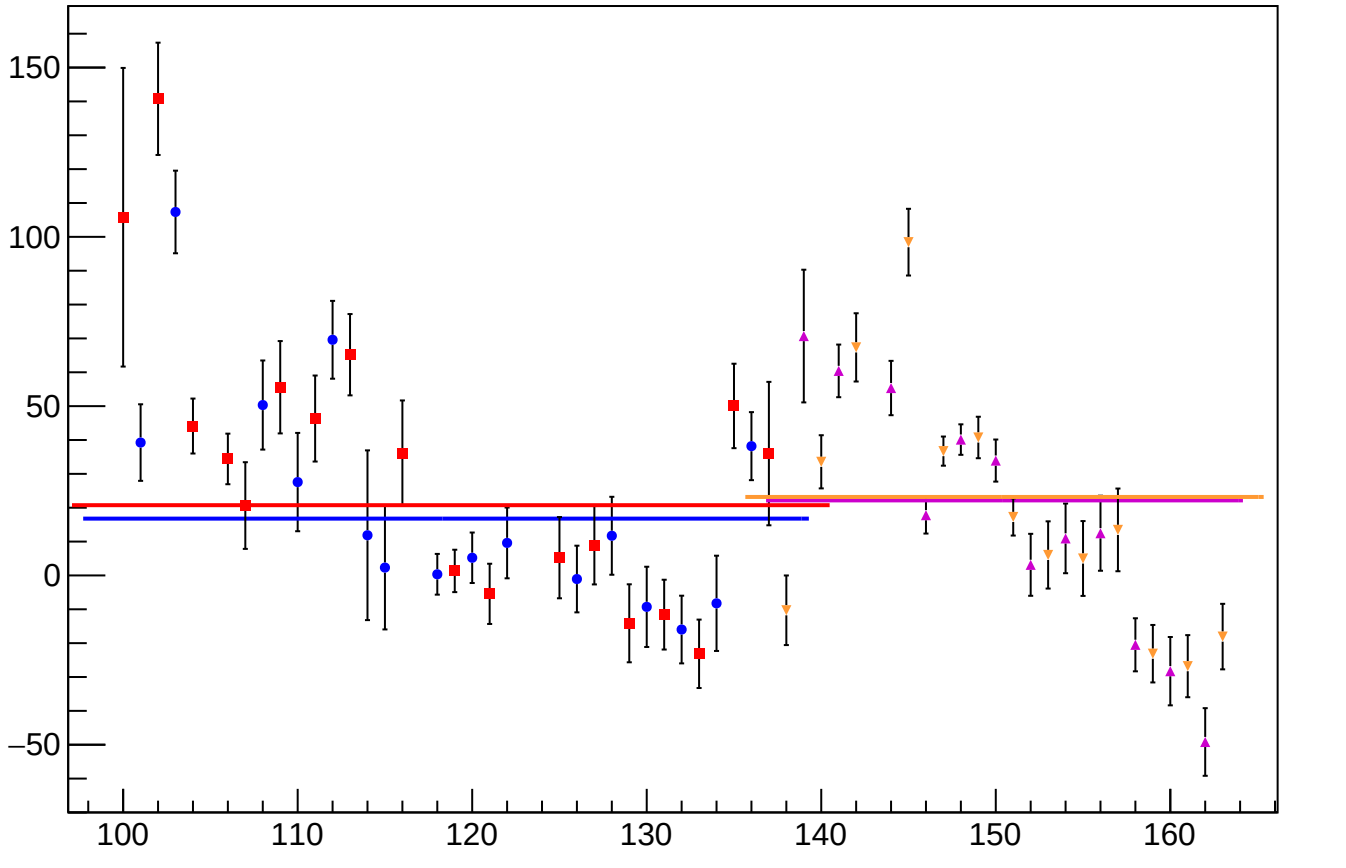
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -604.721+/-3.337 χ^2/NDF:114.8/11

+ sign -521.672+/-2.060 χ^2/NDF: 2670.5/28

All: -507.573+/-1.428 χ^2/NDF: 7722.6/58

- sign -494.516+/-1.982 χ^2/NDF: 4961.9/29



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 23.178+/-2.127 χ^2/NDF:193.1/12

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

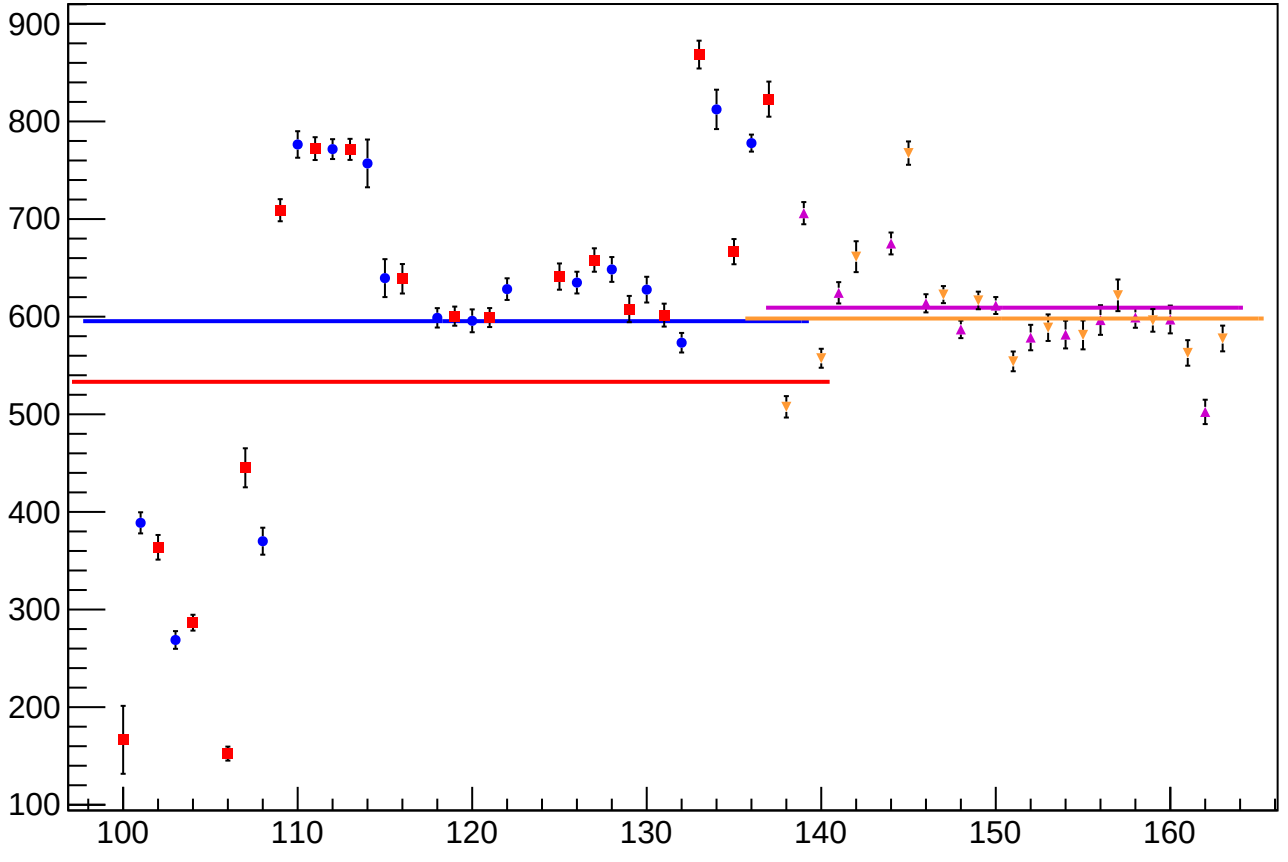
Left In: 22.165+/-2.185 χ^2/NDF:179.5/11

+ sign 20.677+/-1.660 χ^2/NDF: 321.6/28

All: 21.121+/-1.173 χ^2/NDF: 659.3/58

- sign 21.565+/-1.659 χ^2/NDF: 337.6/29

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 598.119+/-3.197 χ^2/NDF:346.6/12

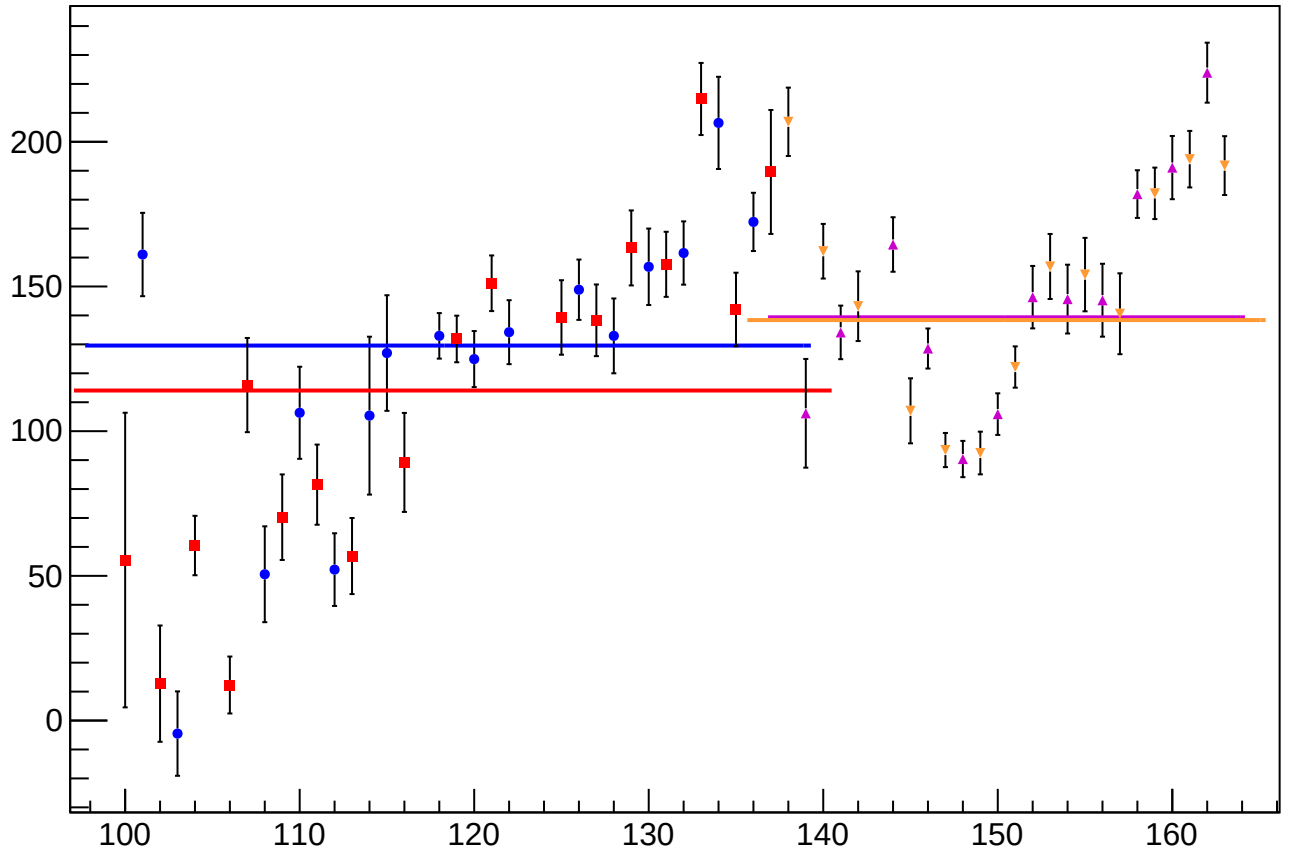
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 609.209+/-3.214 χ^2/NDF:200.1/11

+ sign 596.645+/-2.160 χ^2/NDF: 3406.8/28

All: 580.452+/-1.501 χ^2/NDF: 10541.0/58

- sign 565.320+/-2.088 χ^2/NDF: 7025.5/29



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 138.394+/-2.566 χ^2/NDF:238.2/12

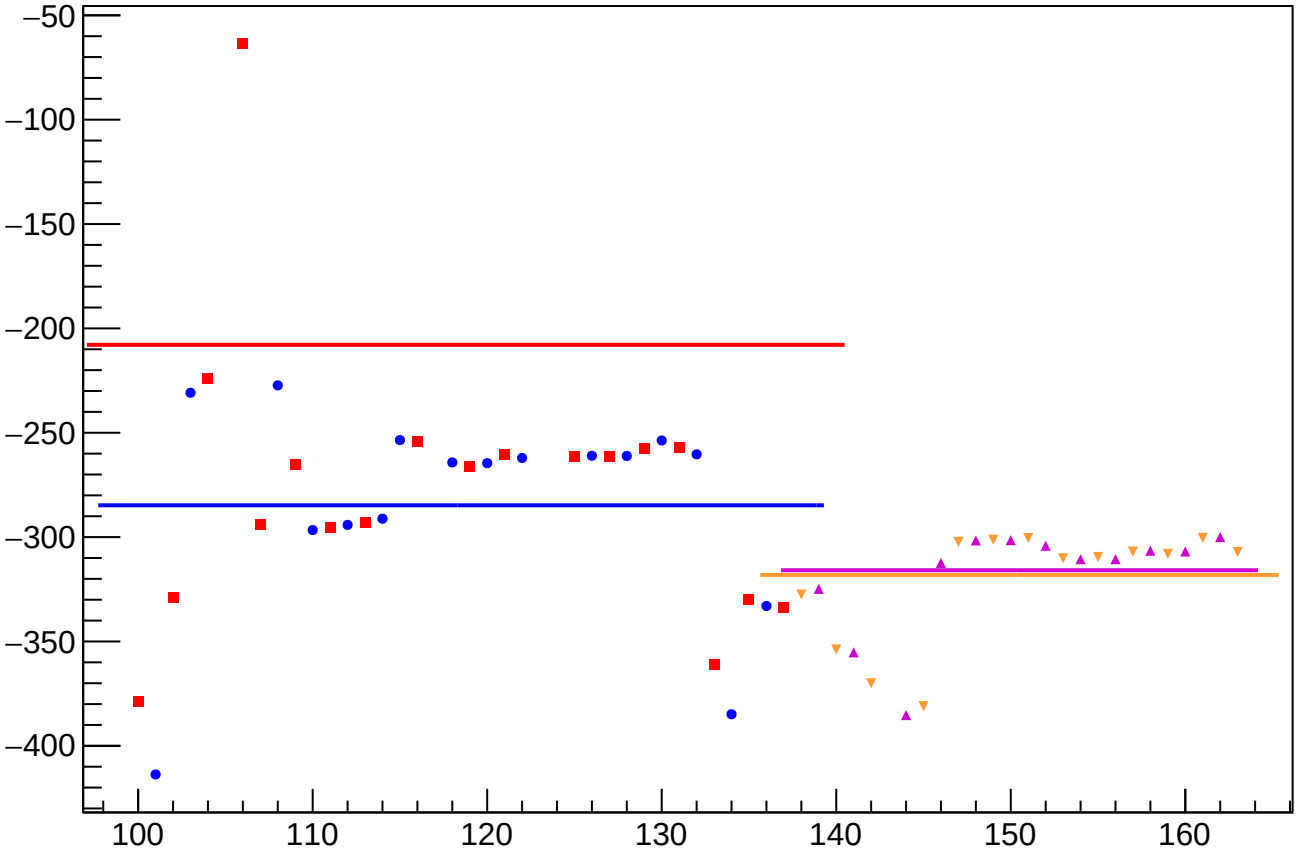
Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 139.343+/-2.619 χ^2/NDF:212.2/11

+ sign 134.787+/-1.971 χ^2/NDF: 454.3/28

All: 131.536+/-1.392 χ^2/NDF: 1048.6/58

- sign 128.304+/-1.966 χ^2/NDF: 588.9/29



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -318.132+/-0.124 χ^2/NDF:40491.7/12

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

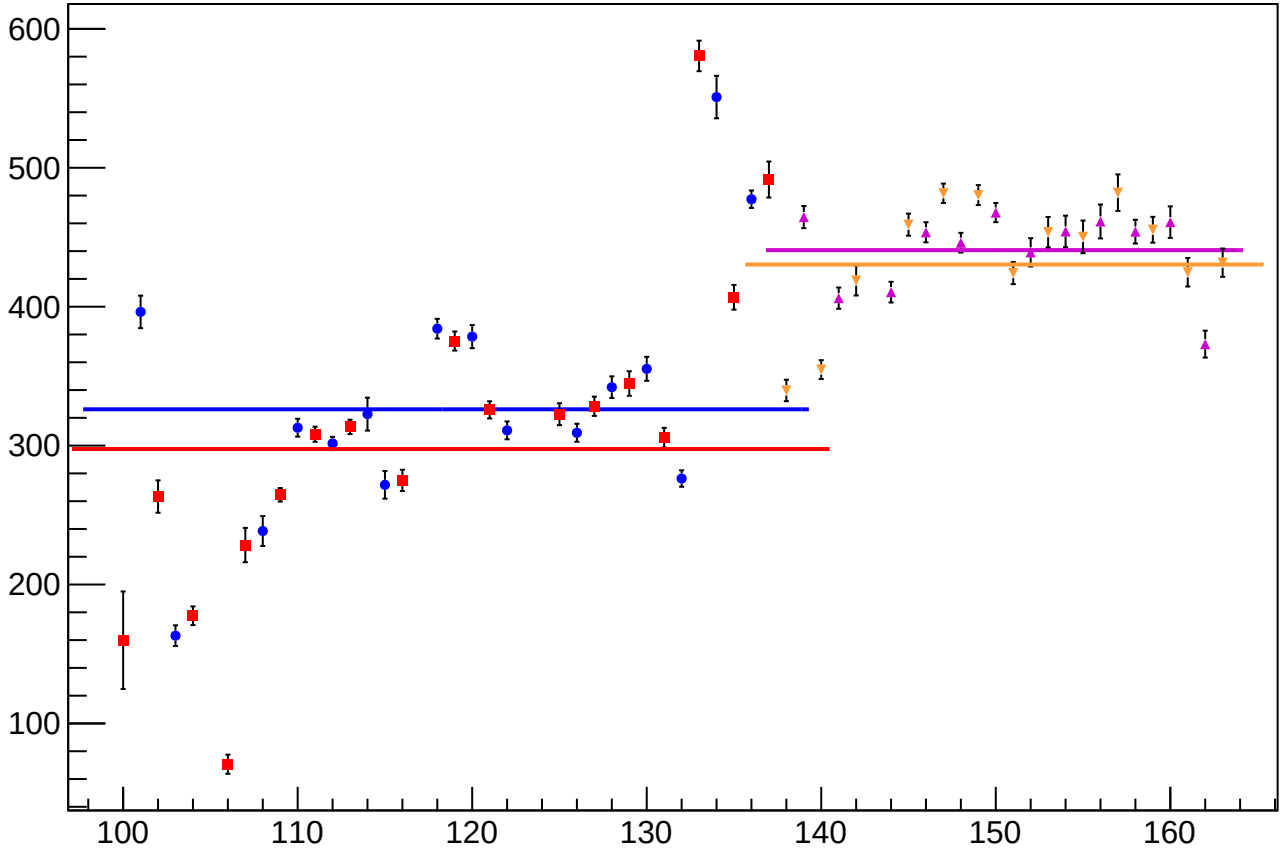
Left In: -315.874+/-0.123 χ^2/NDF:33563.2/11

+ sign -307.143+/-0.102 χ^2/NDF: 168547.4/28

All: -288.324+/-0.069 χ^2/NDF: 1115182.0/58

- sign -272.019+/-0.095 χ^2/NDF: 882970.8/29

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: 430.355+/-2.418 χ^2/NDF:410.3/12

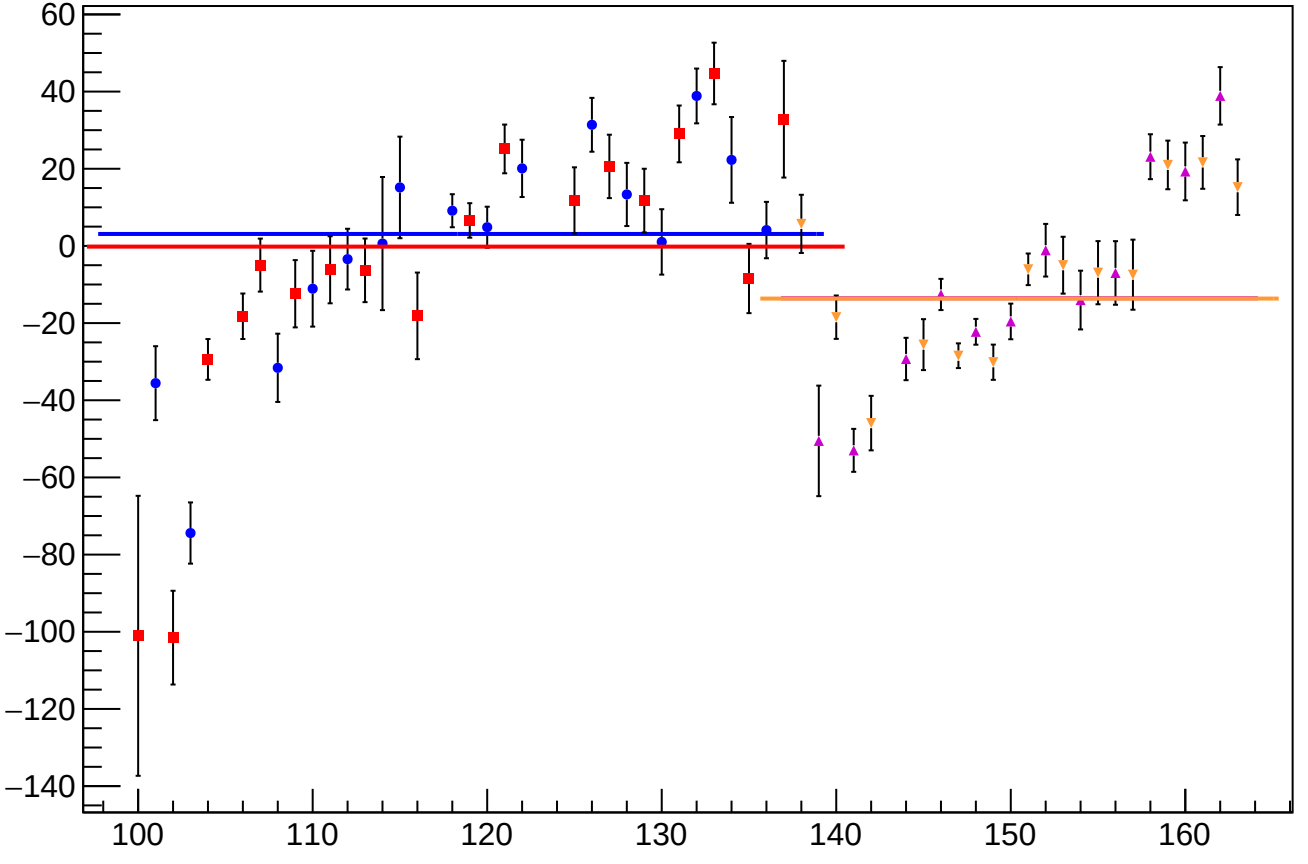
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 440.715+/-2.445 χ^2/NDF:123.8/11

+ sign 364.787+/-1.473 χ^2/NDF: 3221.7/28

All: 354.739+/-1.020 χ^2/NDF: 8491.2/58

- sign 345.466+/-1.415 χ^2/NDF: 5179.9/29



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -13.644+/-1.564 χ^2/NDF:144.7/12

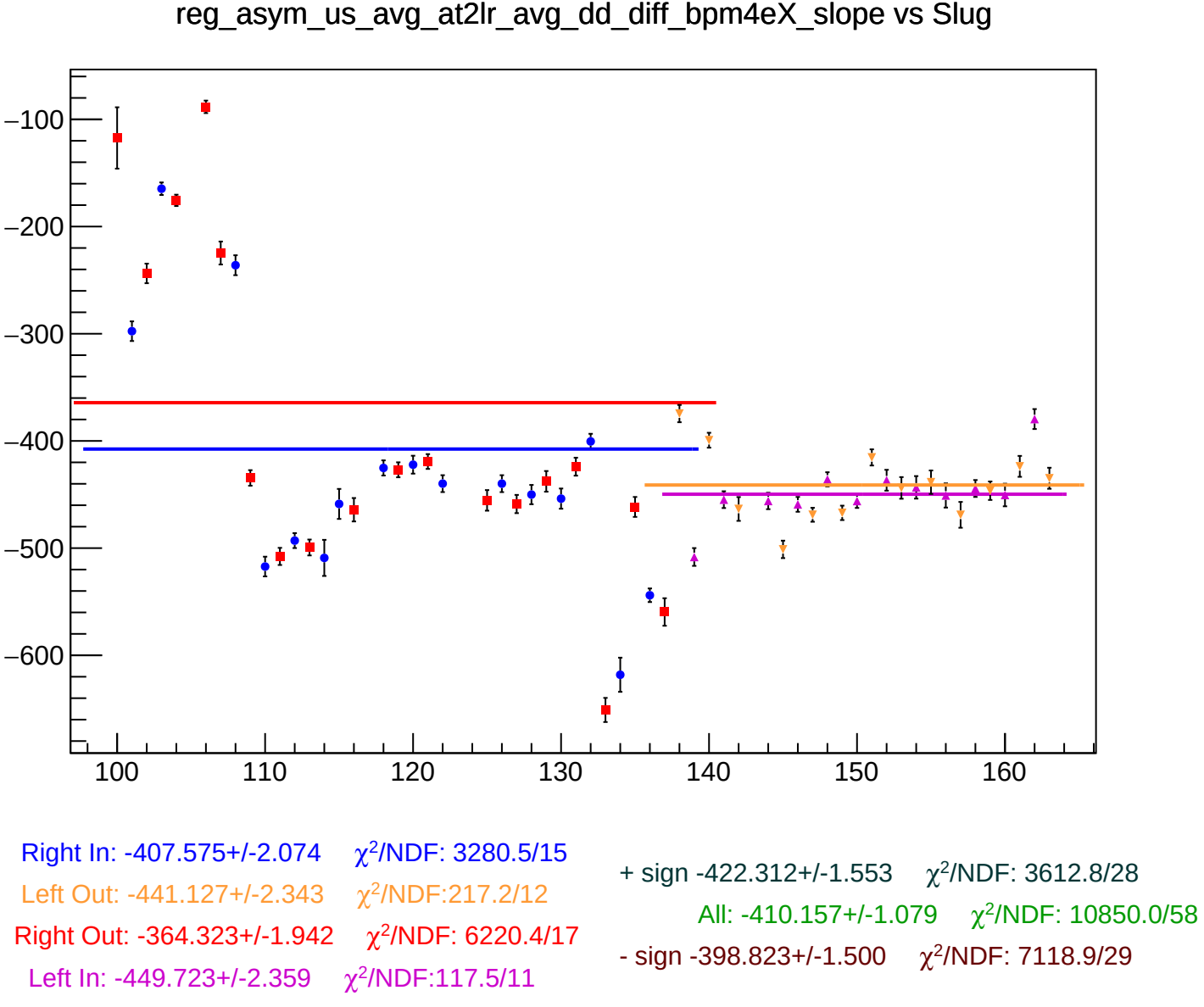
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

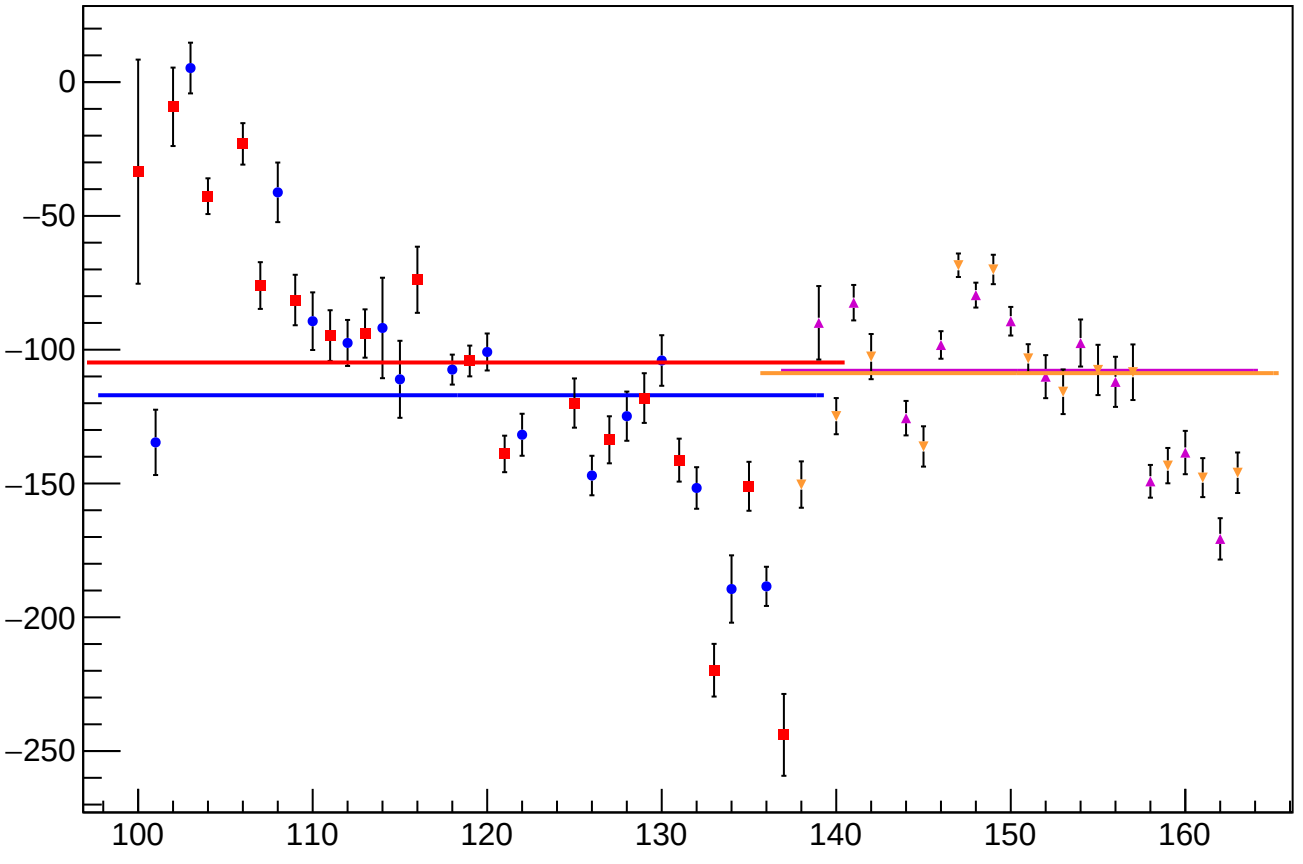
Left In: -13.570+/-1.608 χ^2/NDF:186.1/11

+ sign -6.845+/-1.206 χ^2/NDF: 375.8/28

All: -7.222+/-0.849 χ^2/NDF: 798.2/58

- sign -7.594+/-1.197 χ^2/NDF: 422.3/29


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug
−100
−200
−300
−400
−500
−600
100
110
120
130
140
150
160
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -441.127+/-2.343 χ²/NDF:217.2/12
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -449.723+/-2.359 χ²/NDF:117.5/11
+ sign -422.312+/-1.553 χ²/NDF: 3612.8/28
All: -410.157+/-1.079 χ²/NDF: 10850.0/58
- sign -398.823+/-1.500 χ²/NDF: 7118.9/29



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -108.759+/-1.886 χ^2/NDF:258.4/12

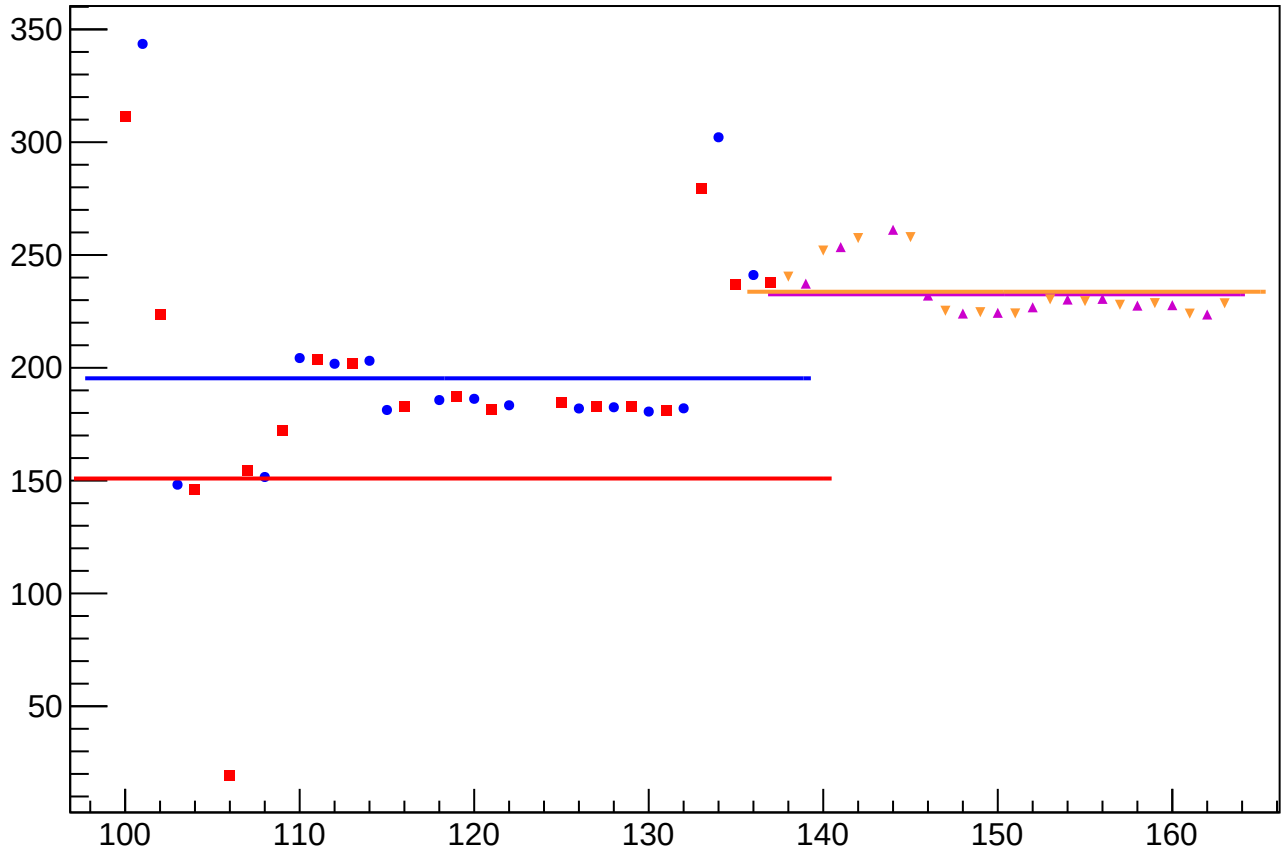
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -107.884+/-1.926 χ^2/NDF:204.0/11

+ sign -112.269+/-1.430 χ^2/NDF: 674.4/28

All: -109.336+/-1.006 χ^2/NDF: 1462.9/58

- sign -106.459+/-1.417 χ^2/NDF: 780.2/29



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 233.718+/-0.091 χ^2/NDF:16887.0/12

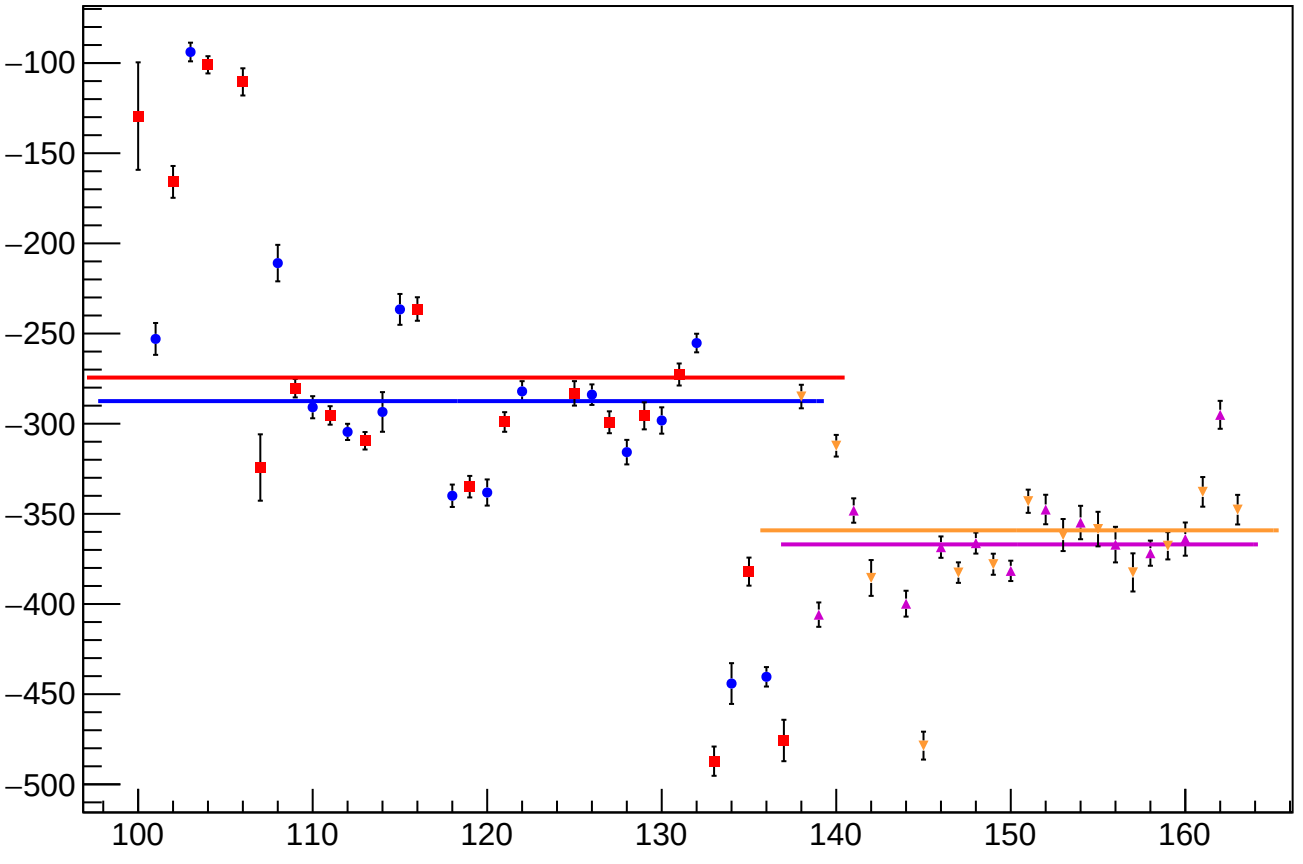
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.577+/-0.091 χ^2/NDF:14976.5/11

+ sign 220.310+/-0.074 χ^2/NDF: 255512.6/28

All: 209.452+/-0.051 χ^2/NDF: 1138834.4/58

- sign 199.664+/-0.070 χ^2/NDF: 842023.3/29



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.149+/-2.033 χ^2/NDF:484.2/12

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

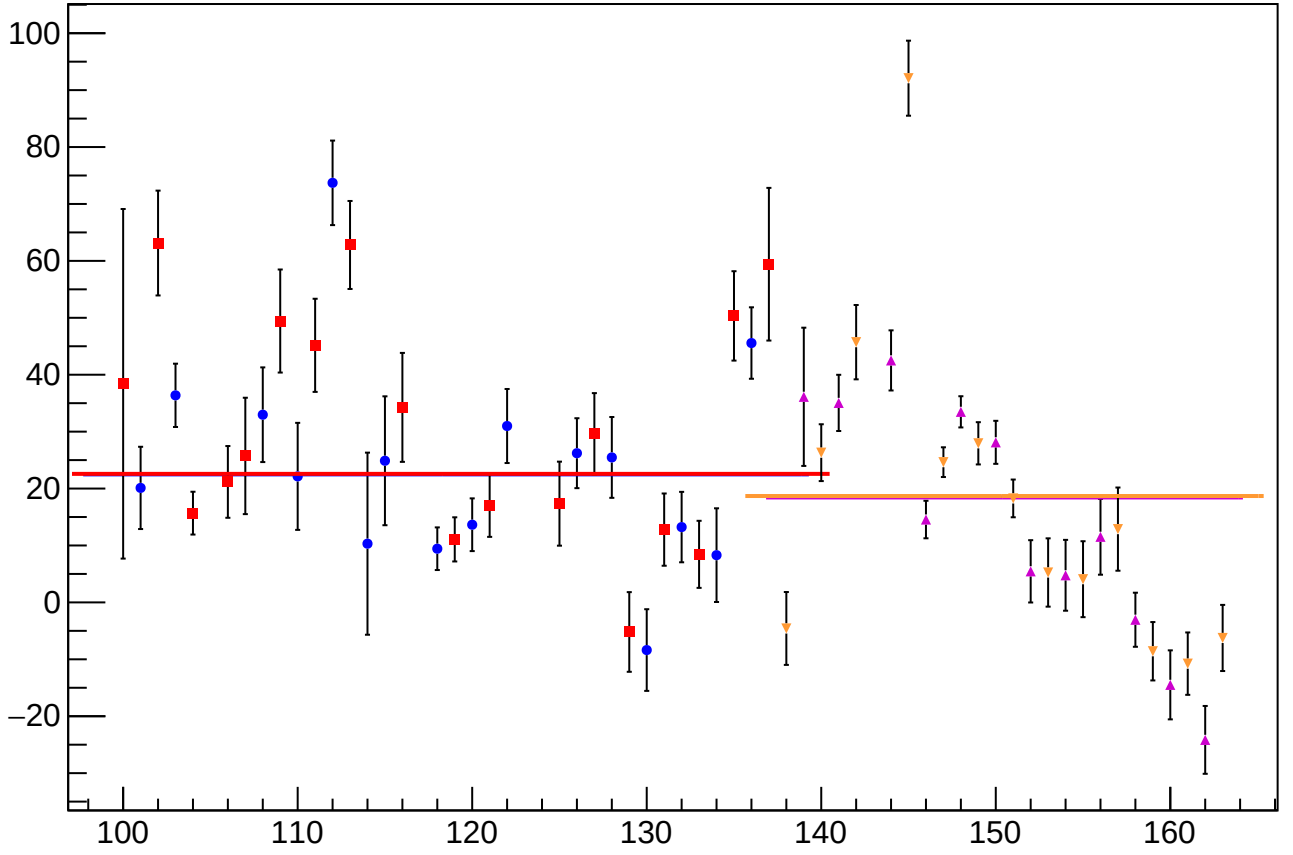
Left In: -366.940+/-2.048 χ^2/NDF:162.7/11

+ sign -315.128+/-1.263 χ^2/NDF: 3944.1/28

All: -311.568+/-0.883 χ^2/NDF: 8832.8/58

- sign -308.154+/-1.237 χ^2/NDF: 4873.1/29

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 18.688+/-1.301 χ^2/NDF:254.1/12

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

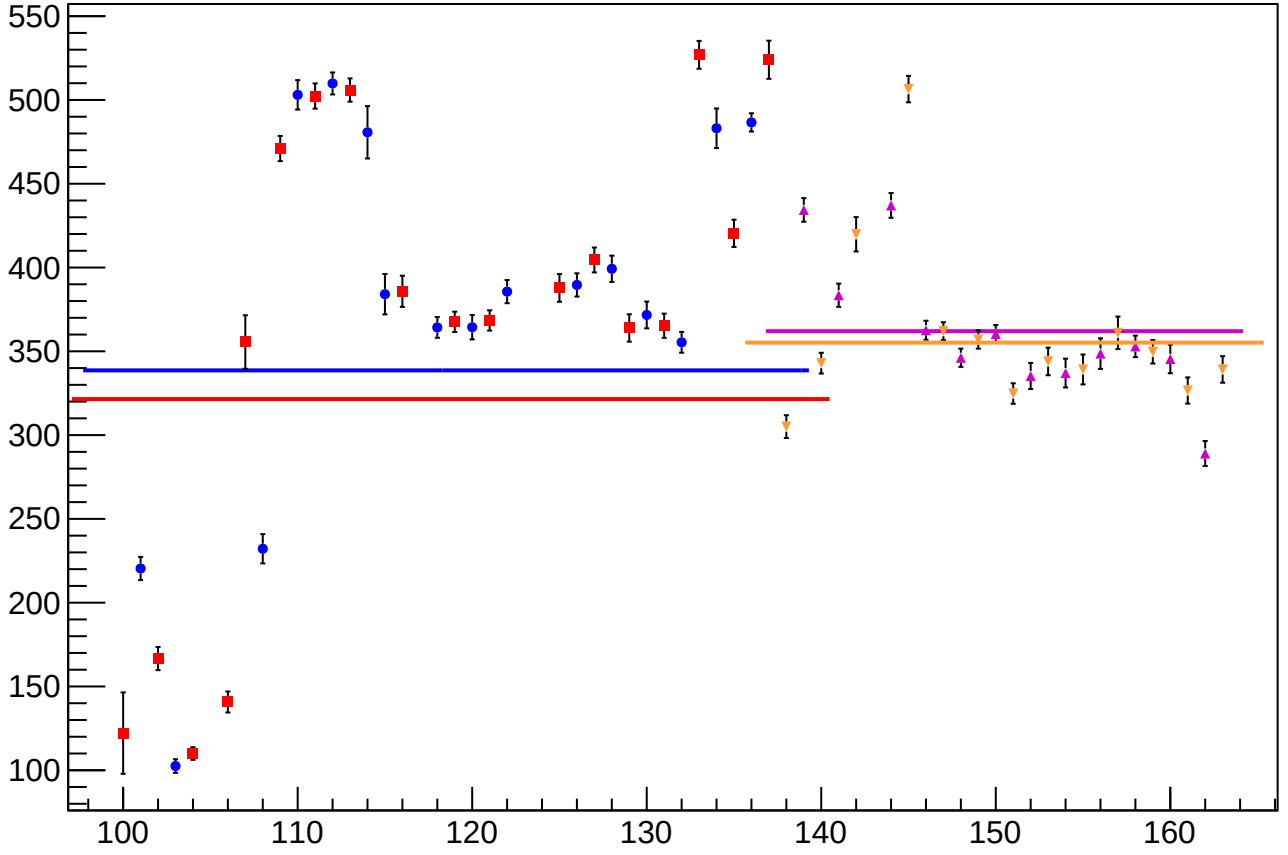
Left In: 18.436+/-1.336 χ^2/NDF:184.9/11

+ sign 20.178+/-1.014 χ^2/NDF: 368.9/28

All: 20.177+/-0.718 χ^2/NDF: 681.2/58

- sign 20.176+/-1.017 χ^2/NDF: 312.2/29

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 355.201+/-1.961 χ^2/NDF:516.9/12

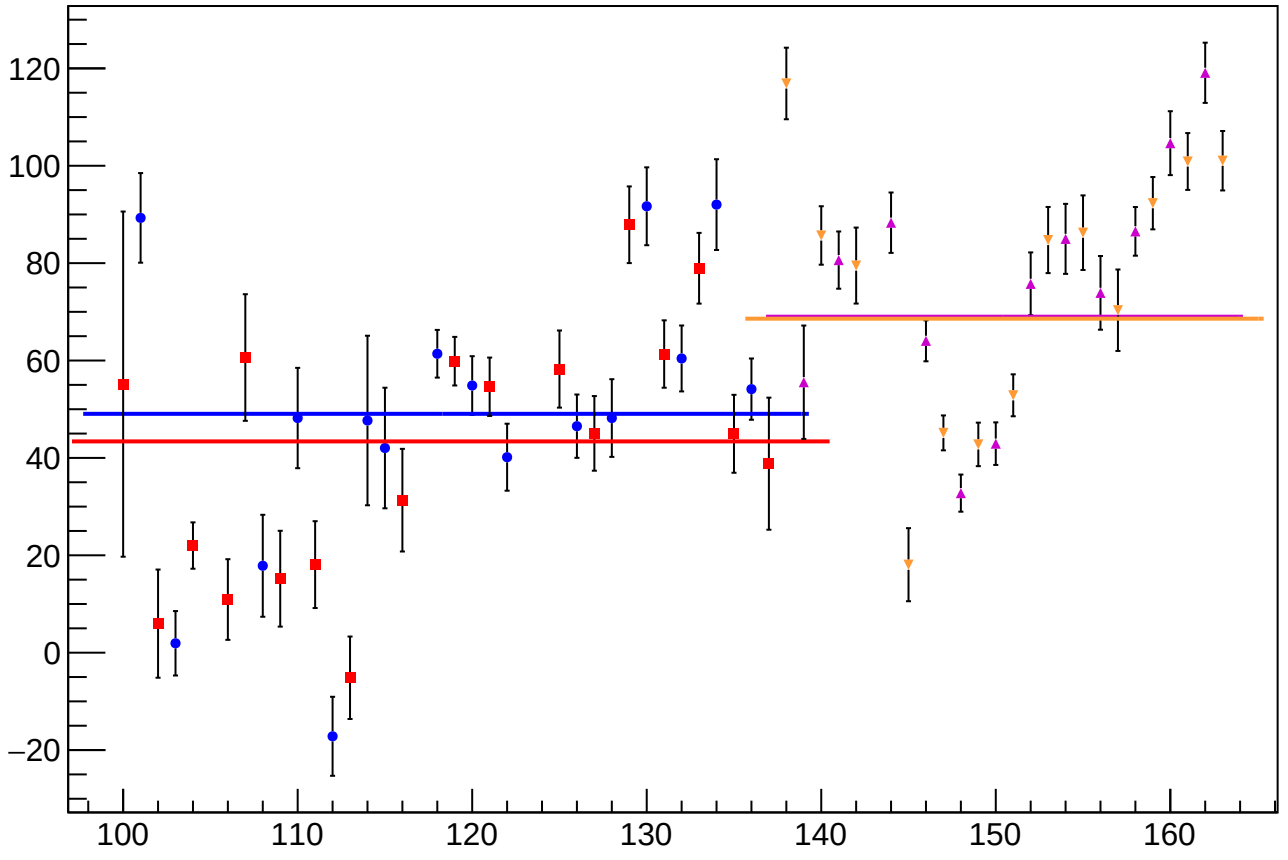
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 362.017+/-1.969 χ^2/NDF:350.8/11

+ sign 345.970+/-1.305 χ^2/NDF: 6599.4/28

All: 342.296+/-0.915 χ^2/NDF: 14929.9/58

- sign 338.738+/-1.284 χ^2/NDF: 8315.0/29



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 68.596+/-1.569 χ^2/NDF:277.4/12

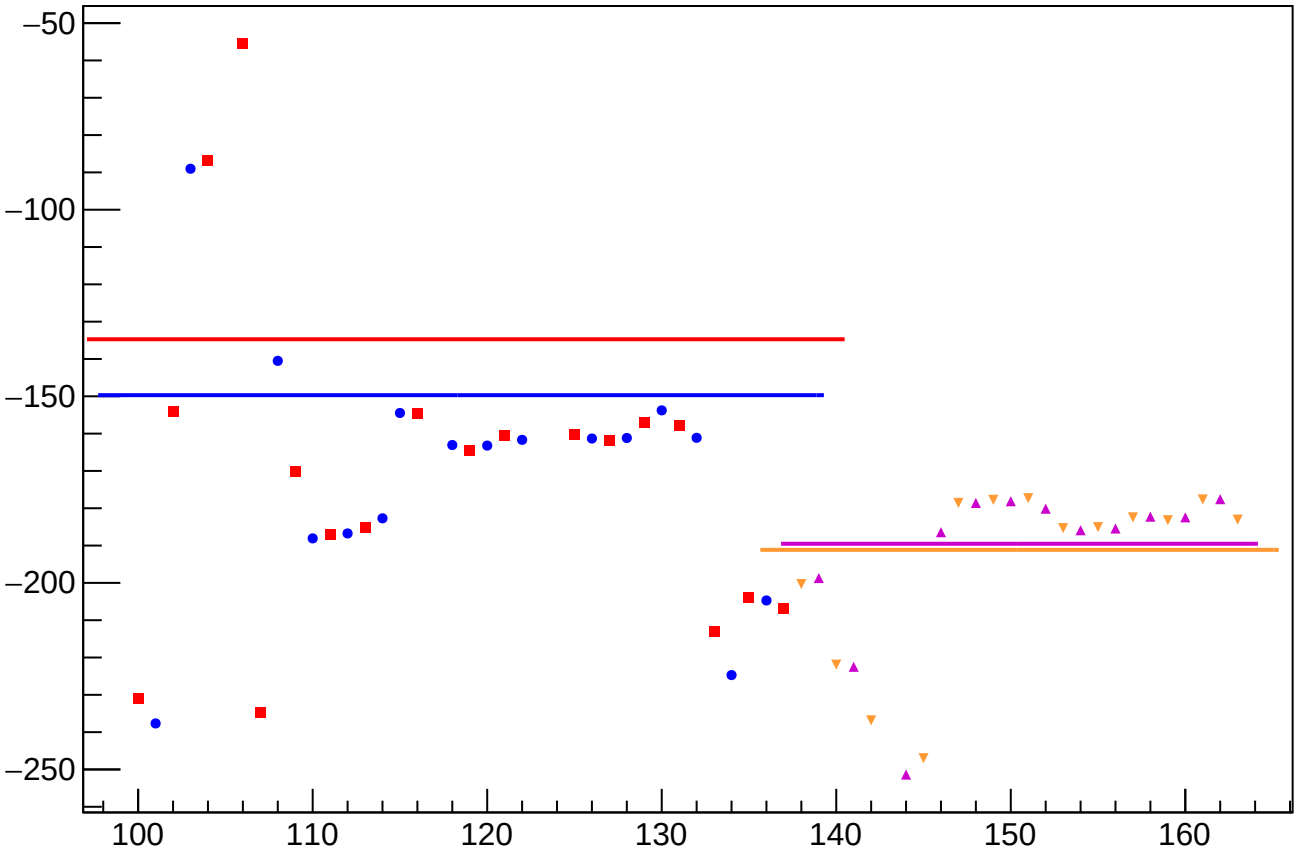
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 69.001+/-1.601 χ^2/NDF:256.0/11

+ sign 60.583+/-1.205 χ^2/NDF: 549.0/28

All: 59.255+/-0.853 χ^2/NDF: 1098.1/58

- sign 57.926+/-1.206 χ^2/NDF: 546.7/29



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -191.149+/-0.076 χ^2/NDF:72799.4/12

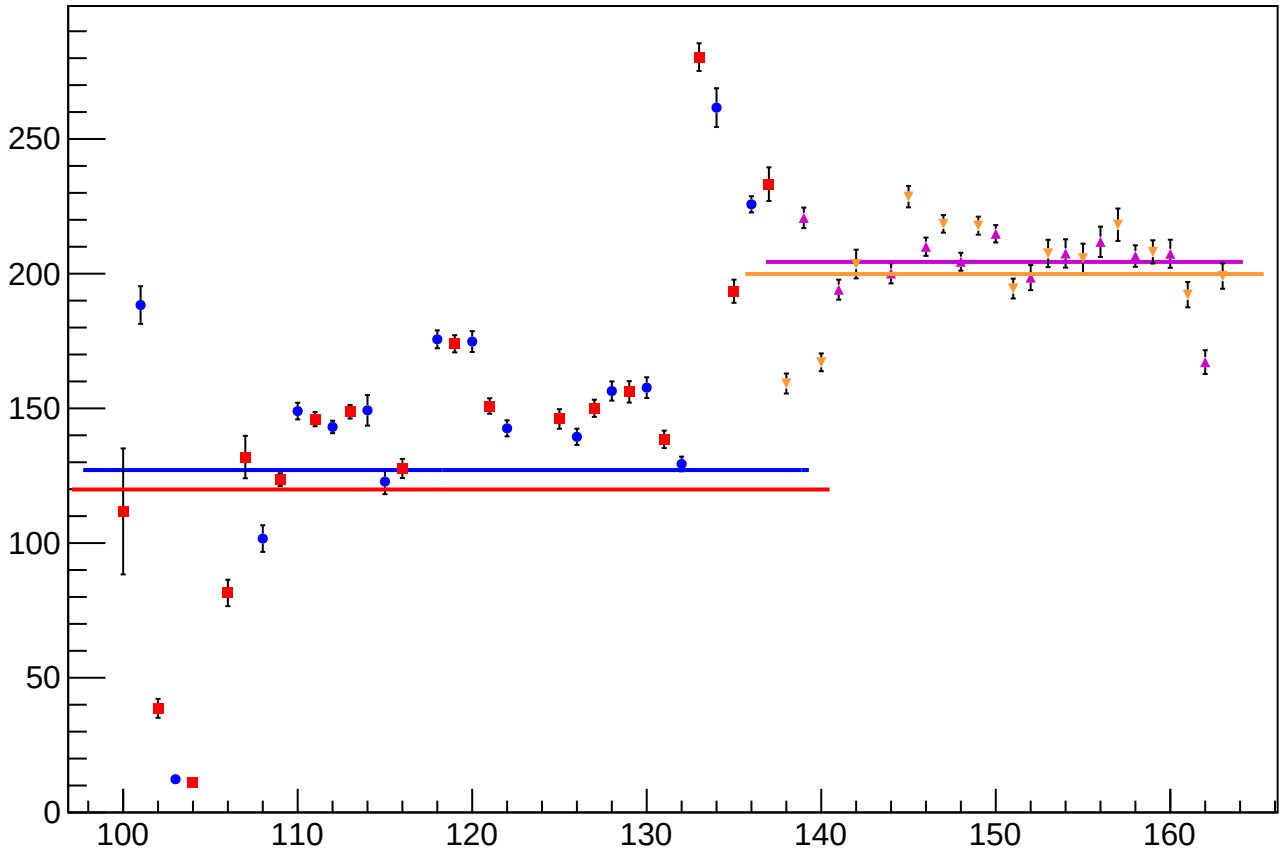
Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.513+/-0.075 χ^2/NDF:60014.9/11

+ sign -176.101+/-0.061 χ^2/NDF: 436940.7/28

All: -172.446+/-0.042 χ^2/NDF: 1016073.2/58

- sign -168.948+/-0.059 χ^2/NDF: 572045.4/29



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.866+/-1.144 χ^2/NDF:353.7/12

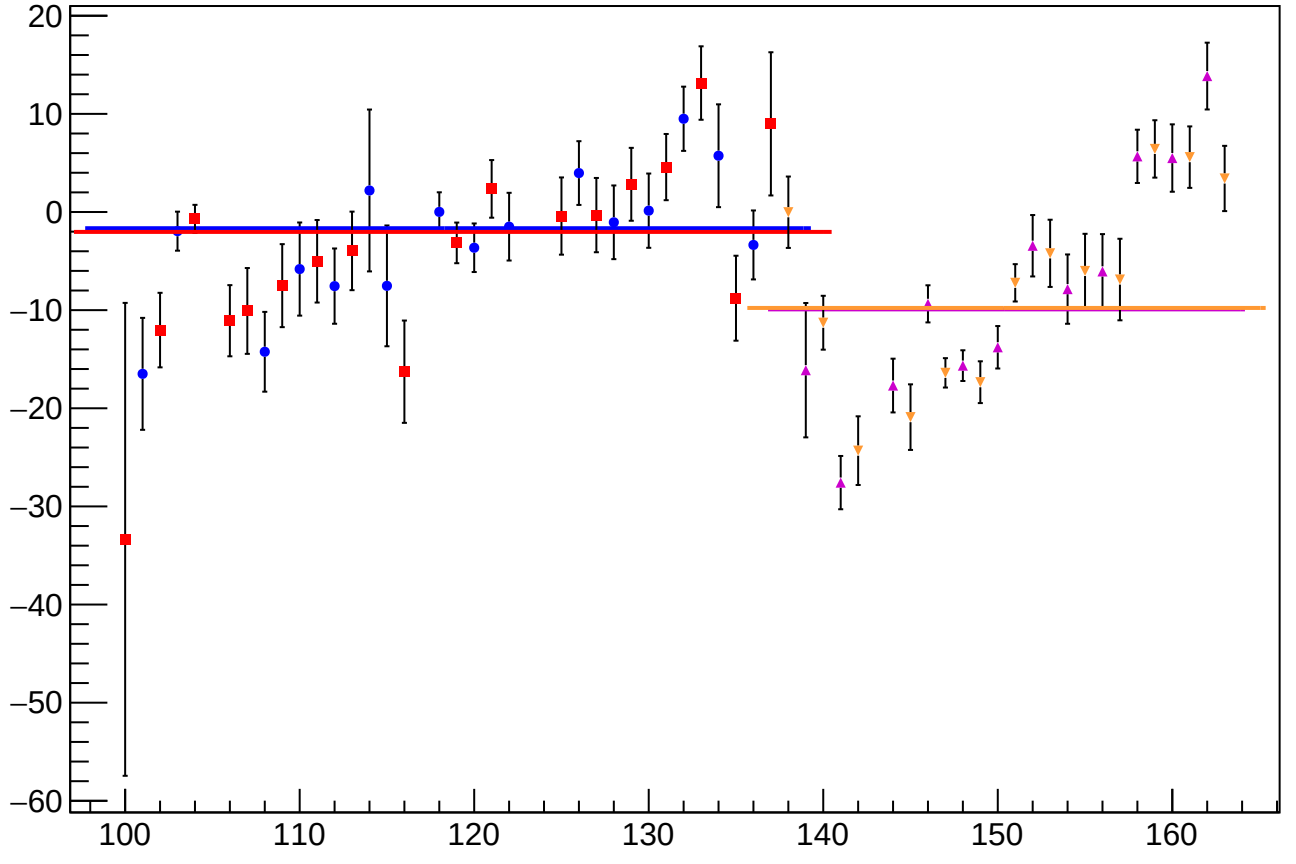
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 204.370+/-1.154 χ^2/NDF:115.6/11

+ sign 151.433+/-0.662 χ^2/NDF: 9210.1/28

All: 148.702+/-0.461 χ^2/NDF: 19706.5/58

- sign 146.123+/-0.643 χ^2/NDF: 10463.3/29



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -9.776+/-0.736 χ^2/NDF:144.4/12

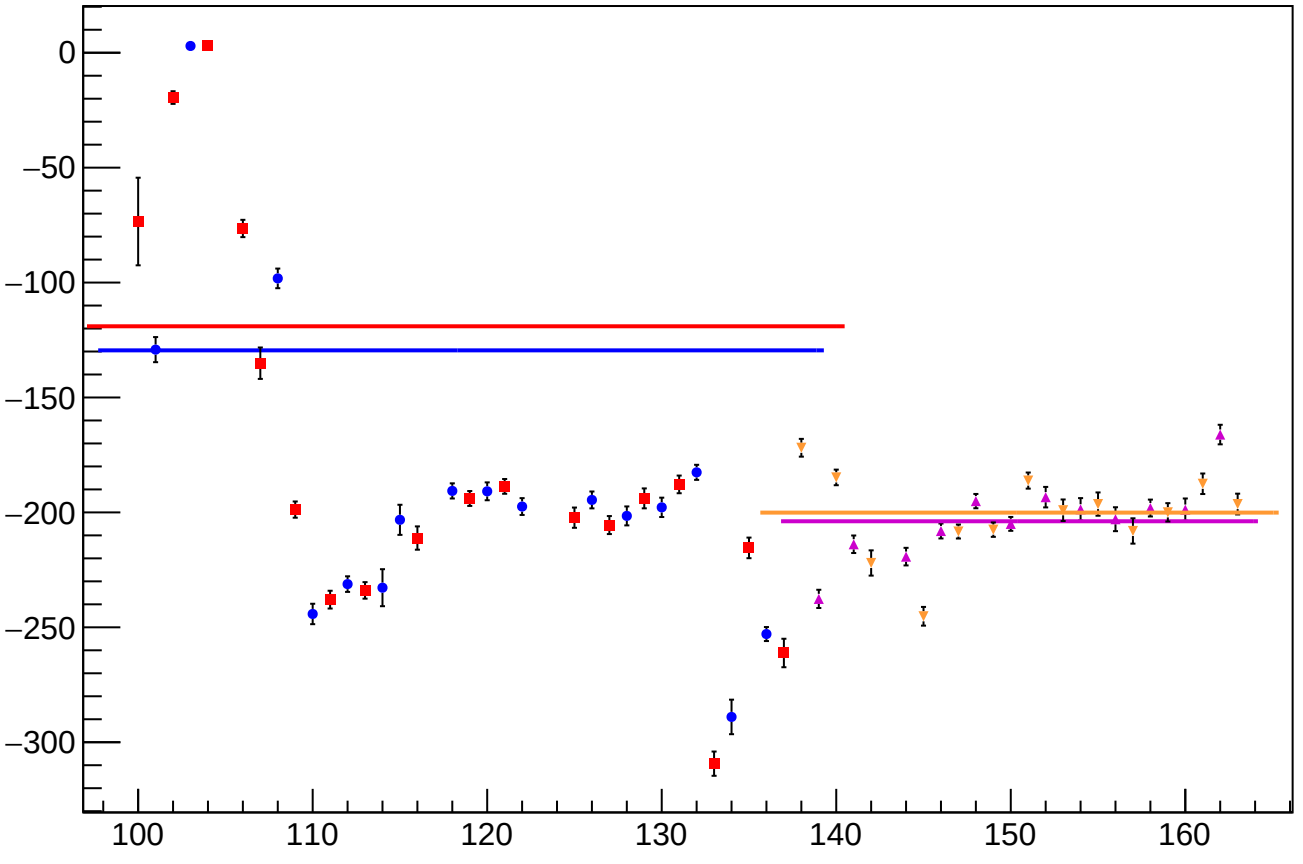
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -9.922+/-0.756 χ^2/NDF:175.5/11

+ sign -6.211+/-0.552 χ^2/NDF: 236.9/28

All: -6.128+/-0.386 χ^2/NDF: 524.5/58

- sign -6.049+/-0.539 χ^2/NDF: 287.5/29



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.088+/-1.106 χ^2/NDF:252.1/12

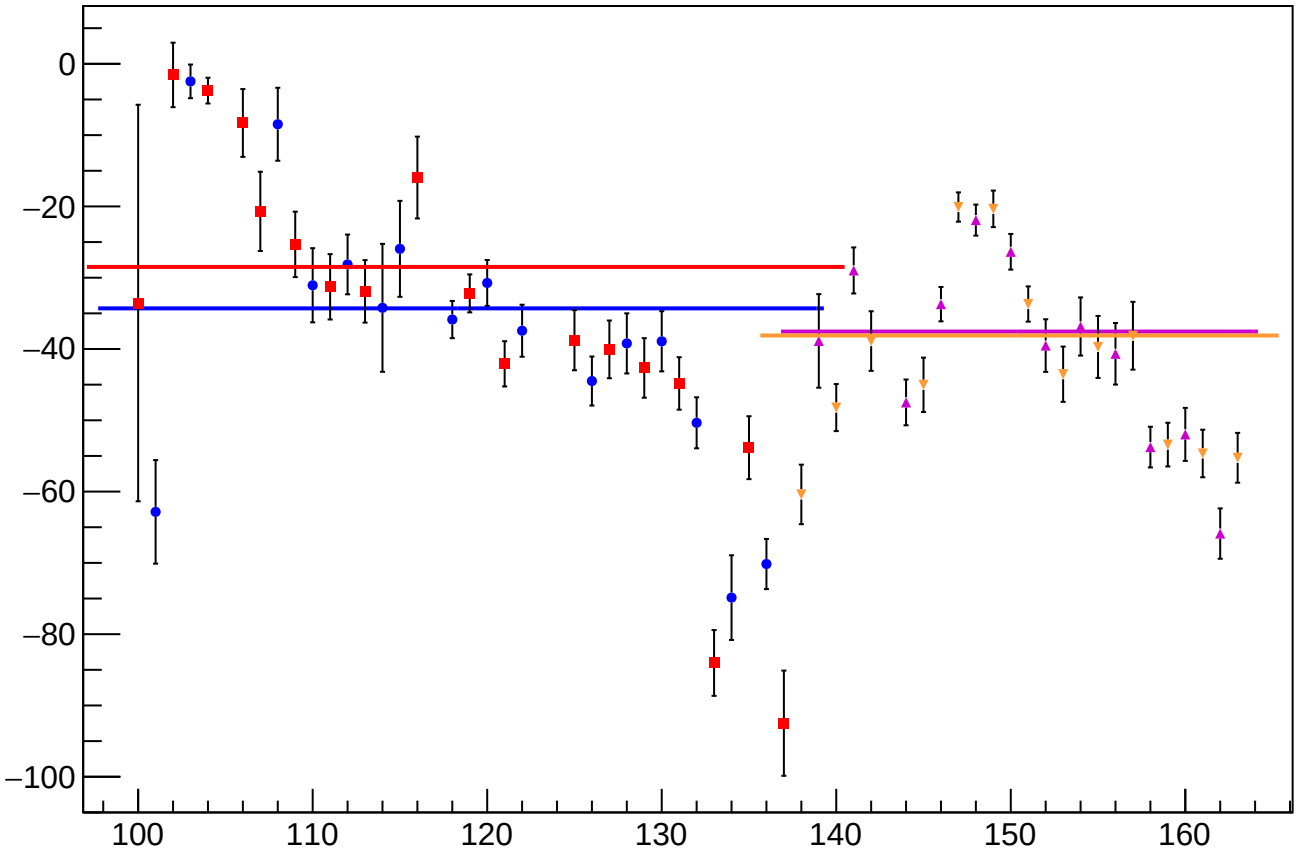
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -203.857+/-1.111 χ^2/NDF:194.3/11

+ sign -155.576+/-0.672 χ^2/NDF: 17509.7/28

All: -152.003+/-0.469 χ^2/NDF: 37734.7/58

- sign -148.600+/-0.656 χ^2/NDF: 20169.8/29



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -38.105+/-0.887 χ^2/NDF:245.2/12

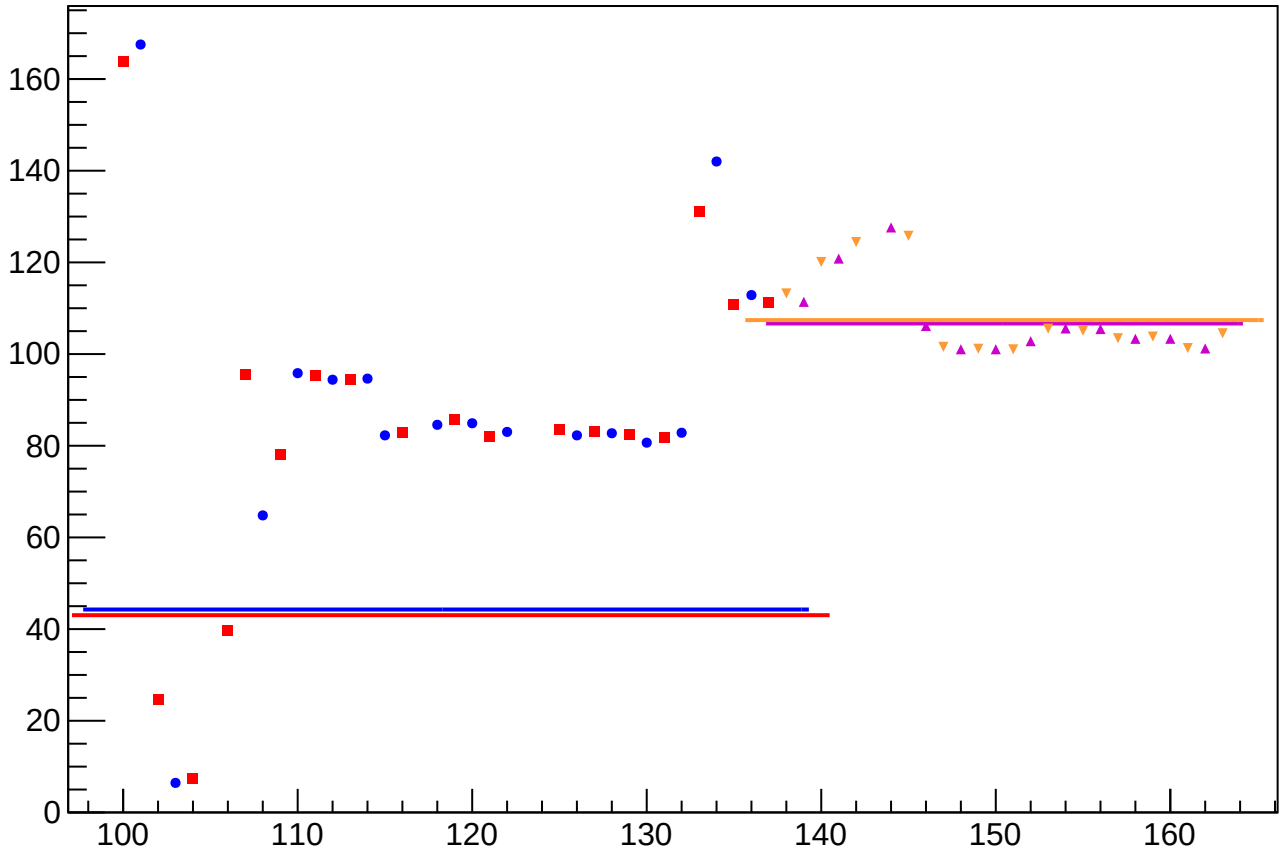
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -37.553+/-0.905 χ^2/NDF:203.2/11

+ sign -36.368+/-0.654 χ^2/NDF: 664.9/28

All: -34.664+/-0.458 χ^2/NDF: 1499.4/58

- sign -33.029+/-0.641 χ^2/NDF: 821.3/29



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.411+/-0.043 χ^2/NDF:36615.2/12

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

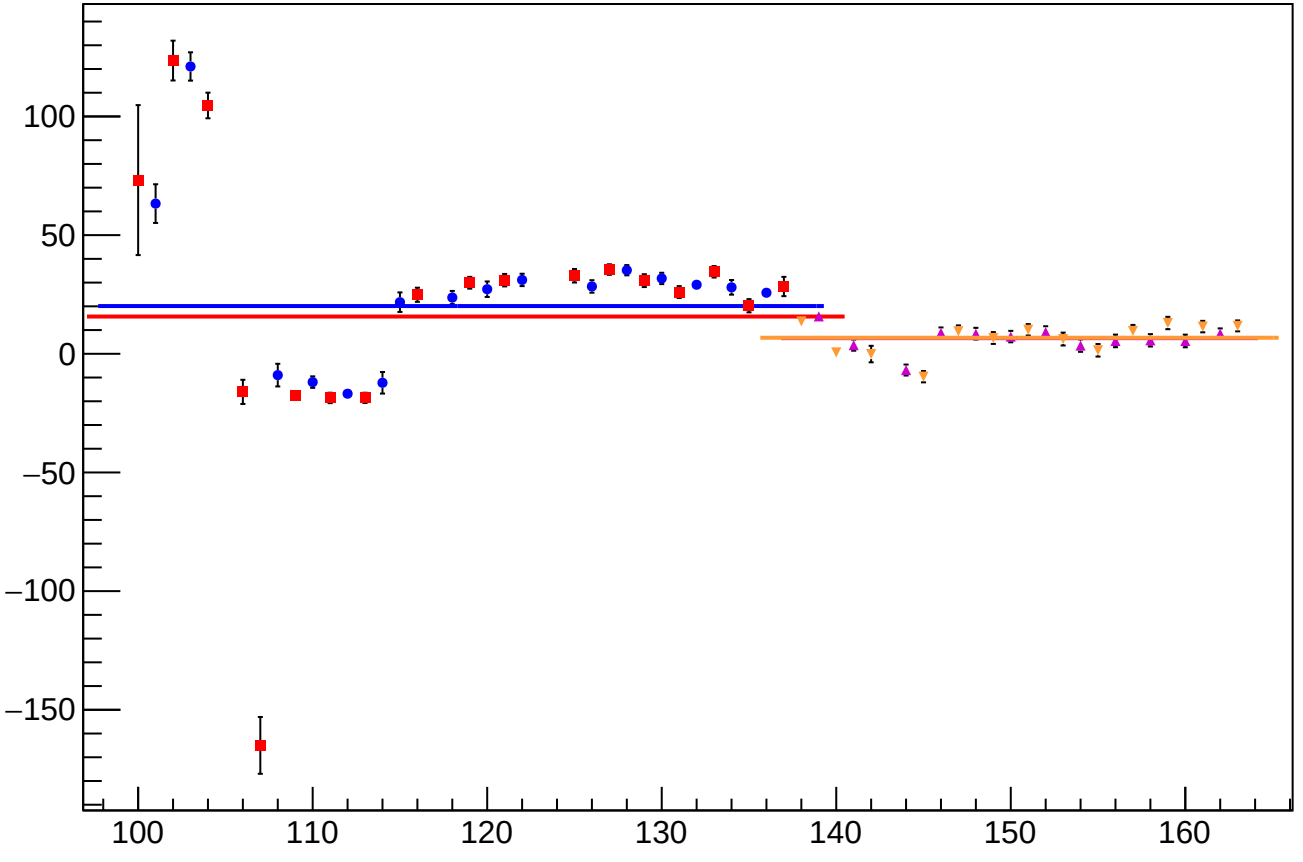
Left In: 106.672+/-0.043 χ^2/NDF:31327.0/11

+ sign 77.259+/-0.031 χ^2/NDF: 2152820.0/28

All: 76.972+/-0.022 χ^2/NDF: 4045285.6/58

- sign 76.687+/-0.031 χ^2/NDF: 1892294.9/29

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.761+/-0.681 χ^2/NDF:93.0/12

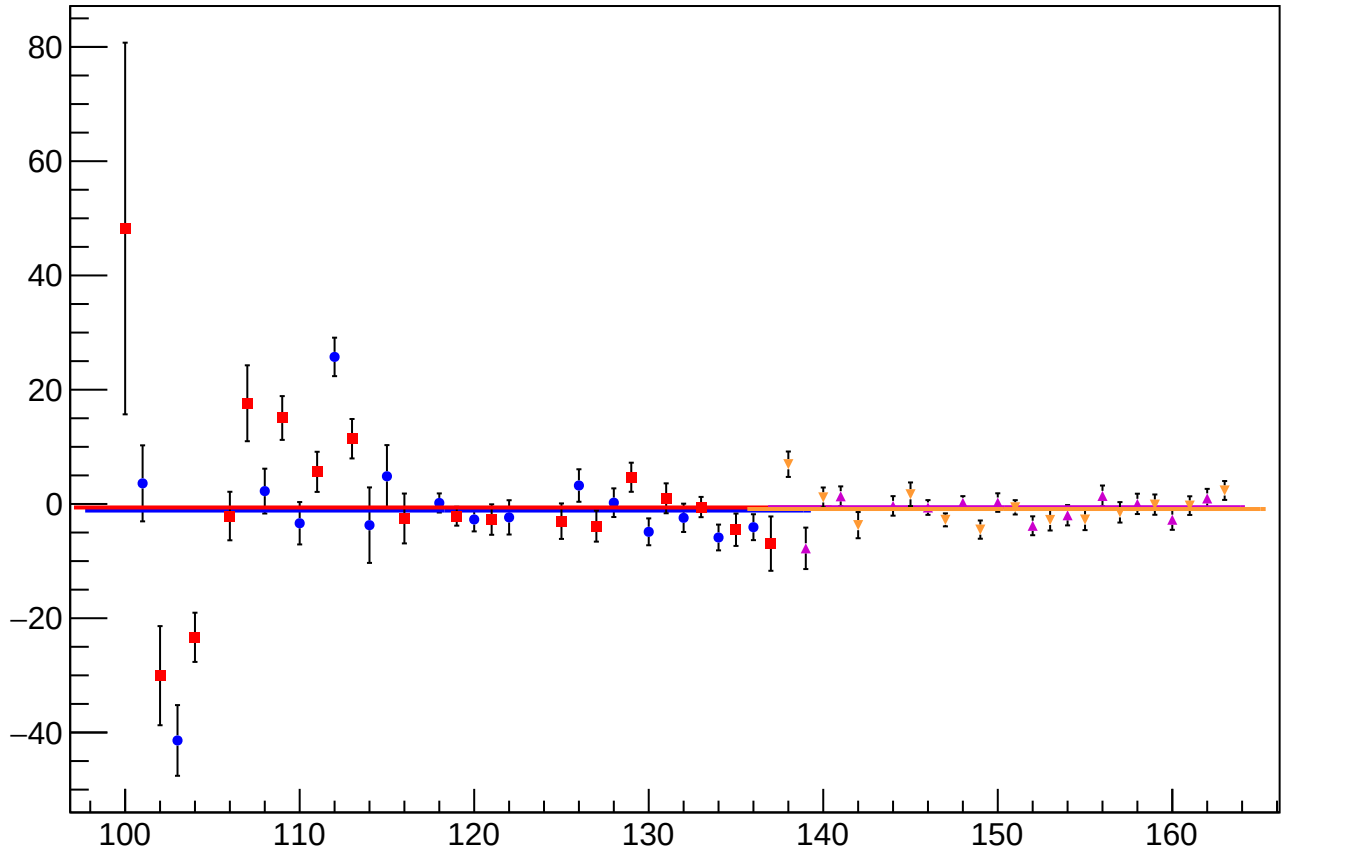
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.588+/-0.690 χ^2/NDF:61.8/11

\+ sign 13.382+/-0.484 χ^2/NDF: 1331.7/28

All: 12.294+/-0.343 χ^2/NDF: 3265.7/58

\- sign 11.199+/-0.485 χ^2/NDF: 1923.8/29



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.884+/-0.461 χ^2/NDF:31.2/12

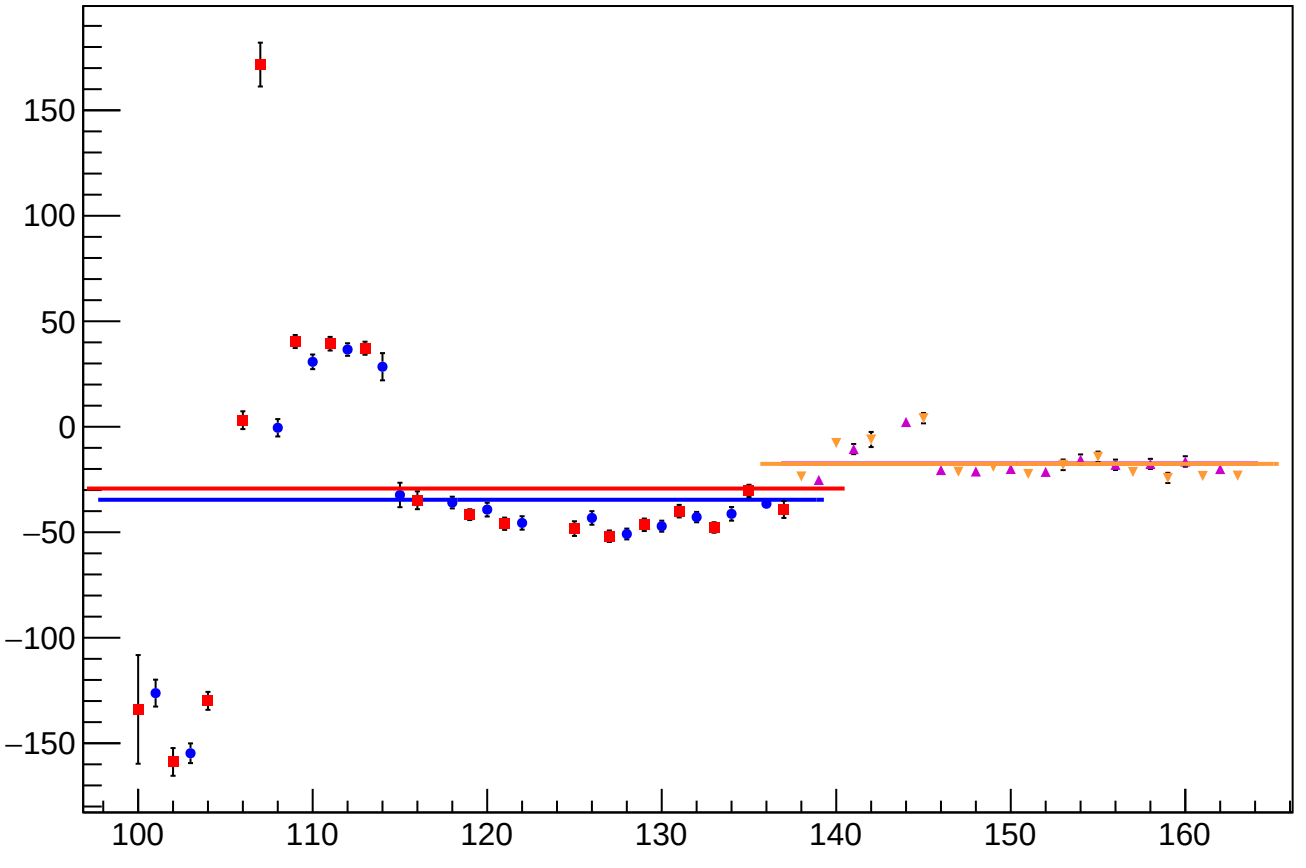
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.564+/-0.474 χ^2/NDF:14.0/11

+ sign -0.965+/-0.385 χ^2/NDF: 153.1/28

All: -0.777+/-0.276 χ^2/NDF: 261.0/58

- sign -0.579+/-0.395 χ^2/NDF: 107.4/29



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -17.581+/-0.659 χ^2/NDF:150.0/12

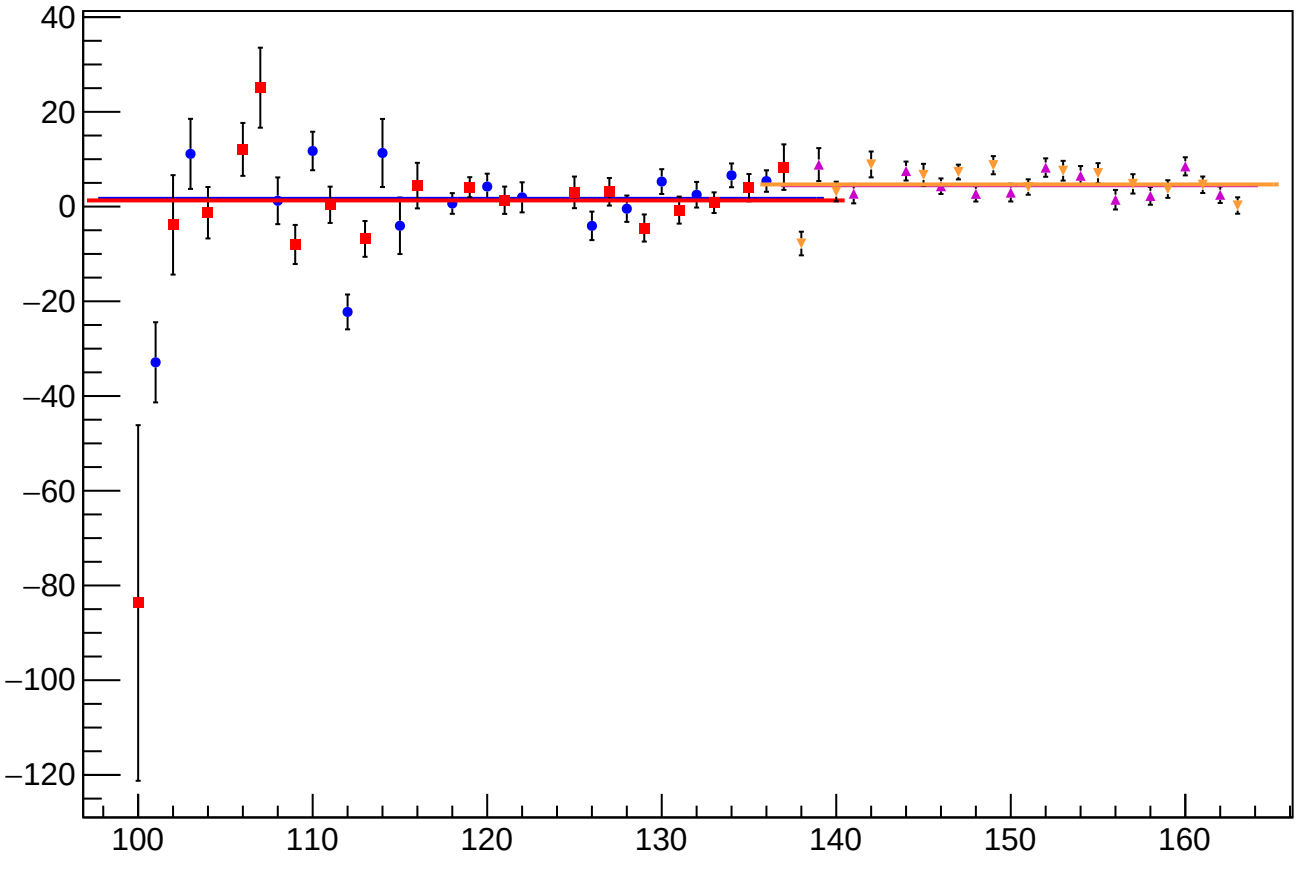
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.403+/-0.666 χ^2/NDF:101.8/11

\+ sign -24.598+/-0.505 χ^2/NDF: 2483.8/28

All: -23.448+/-0.359 χ^2/NDF: 5807.3/58

\- sign -22.266+/-0.512 χ^2/NDF: 3313.0/29



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.674+/-0.541 χ^2/NDF:46.1/12

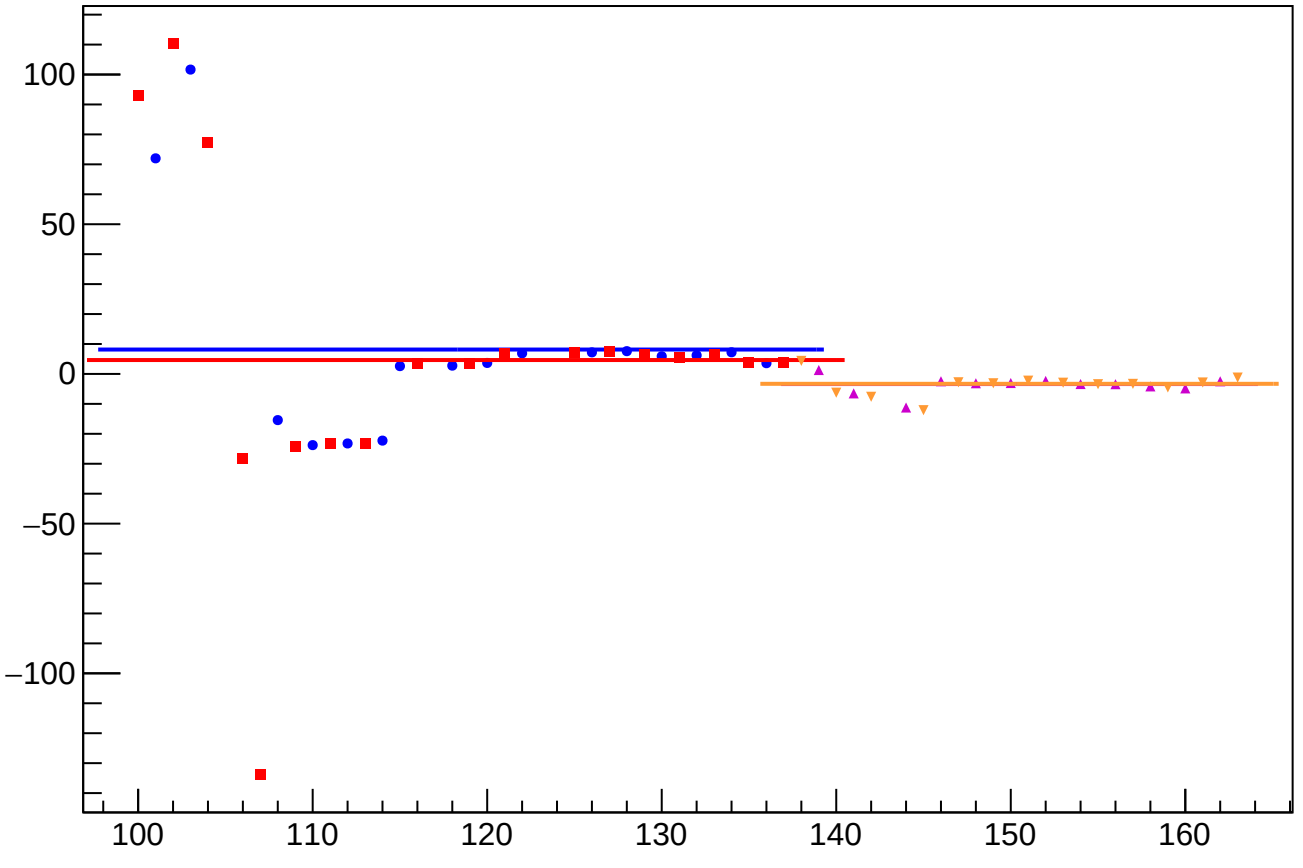
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.507+/-0.556 χ^2/NDF:20.5/11

+ sign 3.713+/-0.448 χ^2/NDF: 139.4/28

All: 3.605+/-0.321 χ^2/NDF: 208.0/58

- sign 3.491+/-0.460 χ^2/NDF: 68.6/29



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.303+/-0.025 χ^2/NDF:19318.9/12

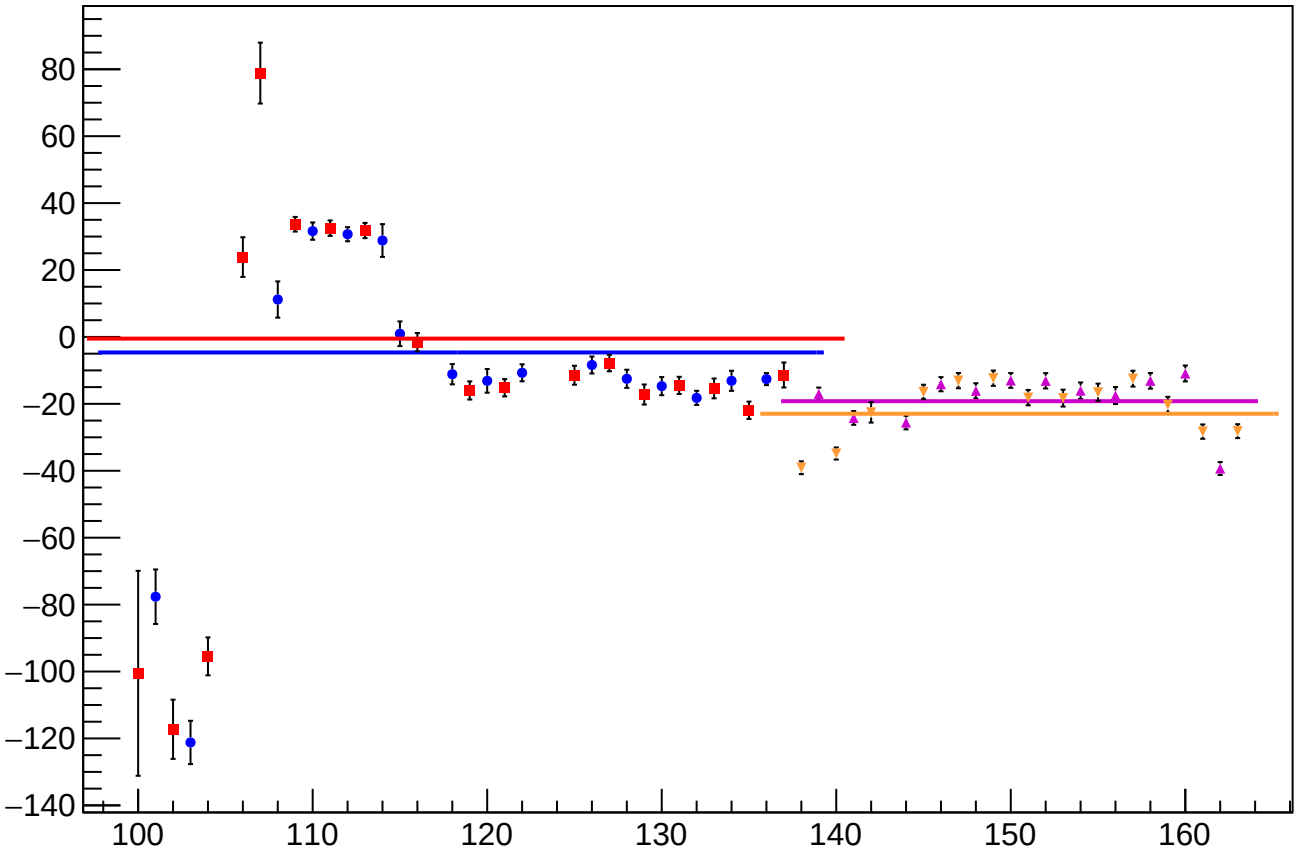
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.383+/-0.025 χ^2/NDF:11171.3/11

+ sign -0.930+/-0.022 χ^2/NDF: 377079.4/28

All: -1.393+/-0.016 χ^2/NDF: 855501.9/58

- sign -1.872+/-0.022 χ^2/NDF: 477524.7/29



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.957+/-0.622 χ^2/NDF:209.8/12

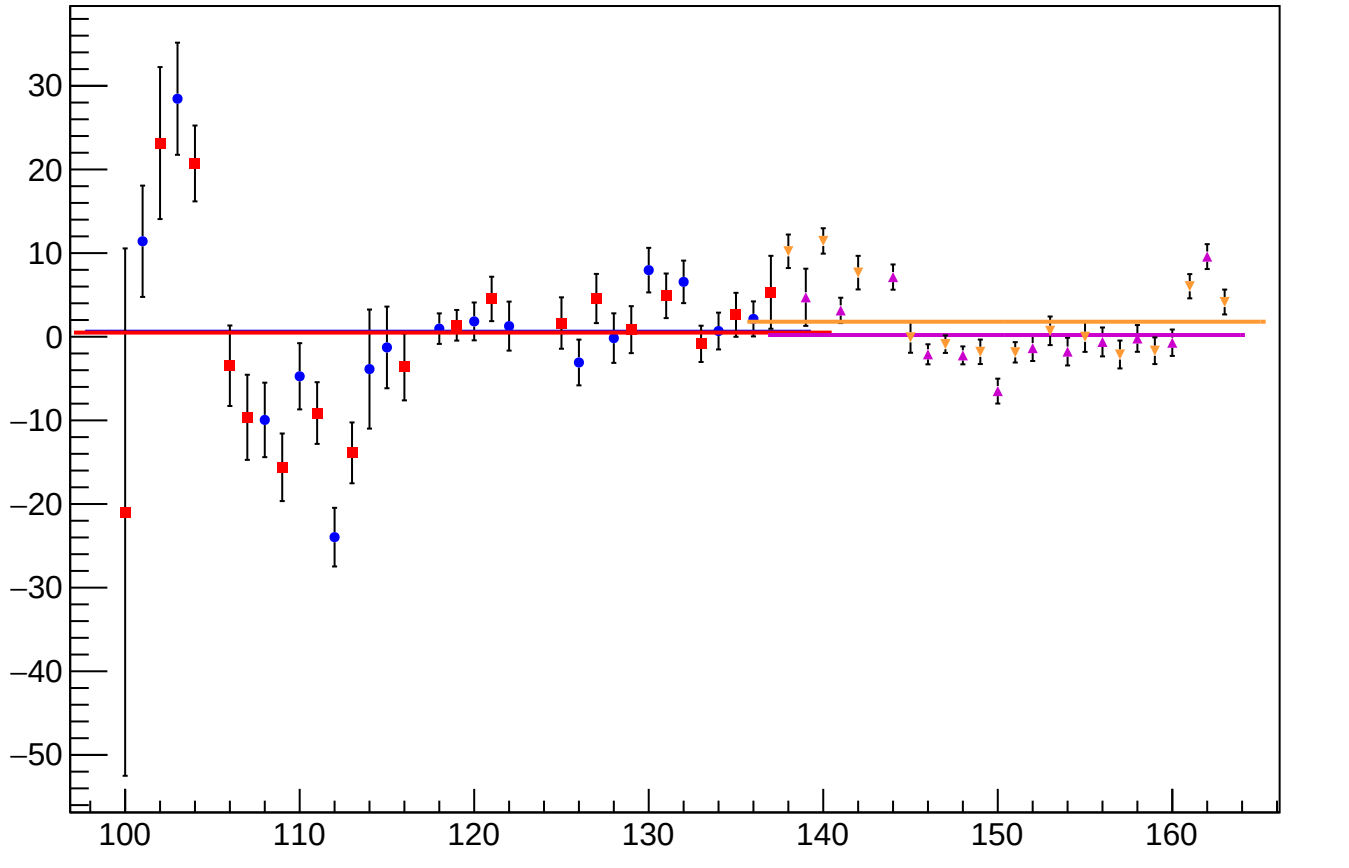
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.204+/-0.631 χ^2/NDF:169.2/11

+ sign -15.016+/-0.469 χ^2/NDF: 1631.4/28

All: -13.006+/-0.332 χ^2/NDF: 3682.7/58

- sign -10.968+/-0.472 χ^2/NDF: 2014.2/29



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.796+/-0.422 χ^2/NDF:112.1/12

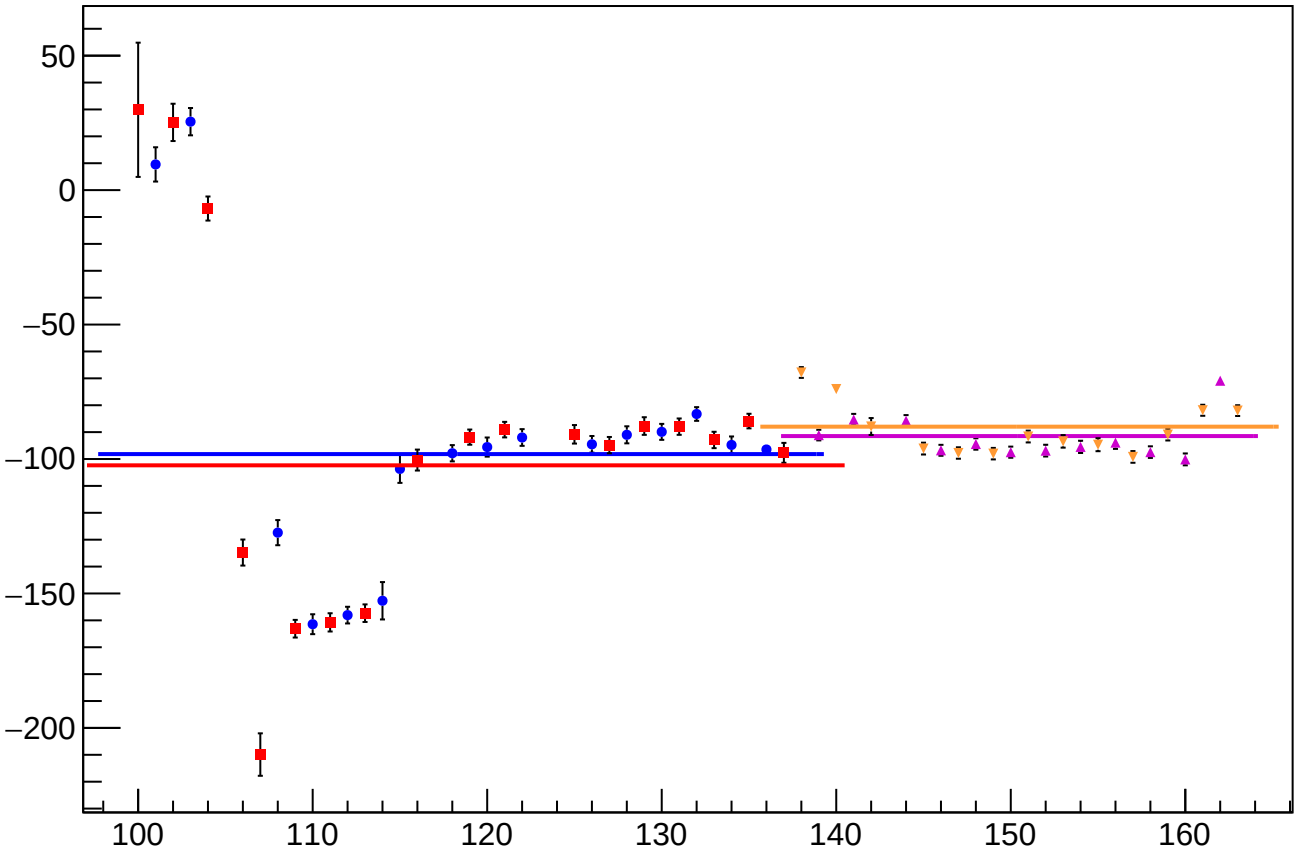
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.207+/-0.433 χ^2/NDF:98.5/11

+ sign 1.495+/-0.365 χ^2/NDF: 207.0/28

All: 0.903+/-0.262 χ^2/NDF: 391.2/58

- sign 0.278+/-0.375 χ^2/NDF: 178.8/29



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.969+/-0.603 χ^2/NDF:276.0/12

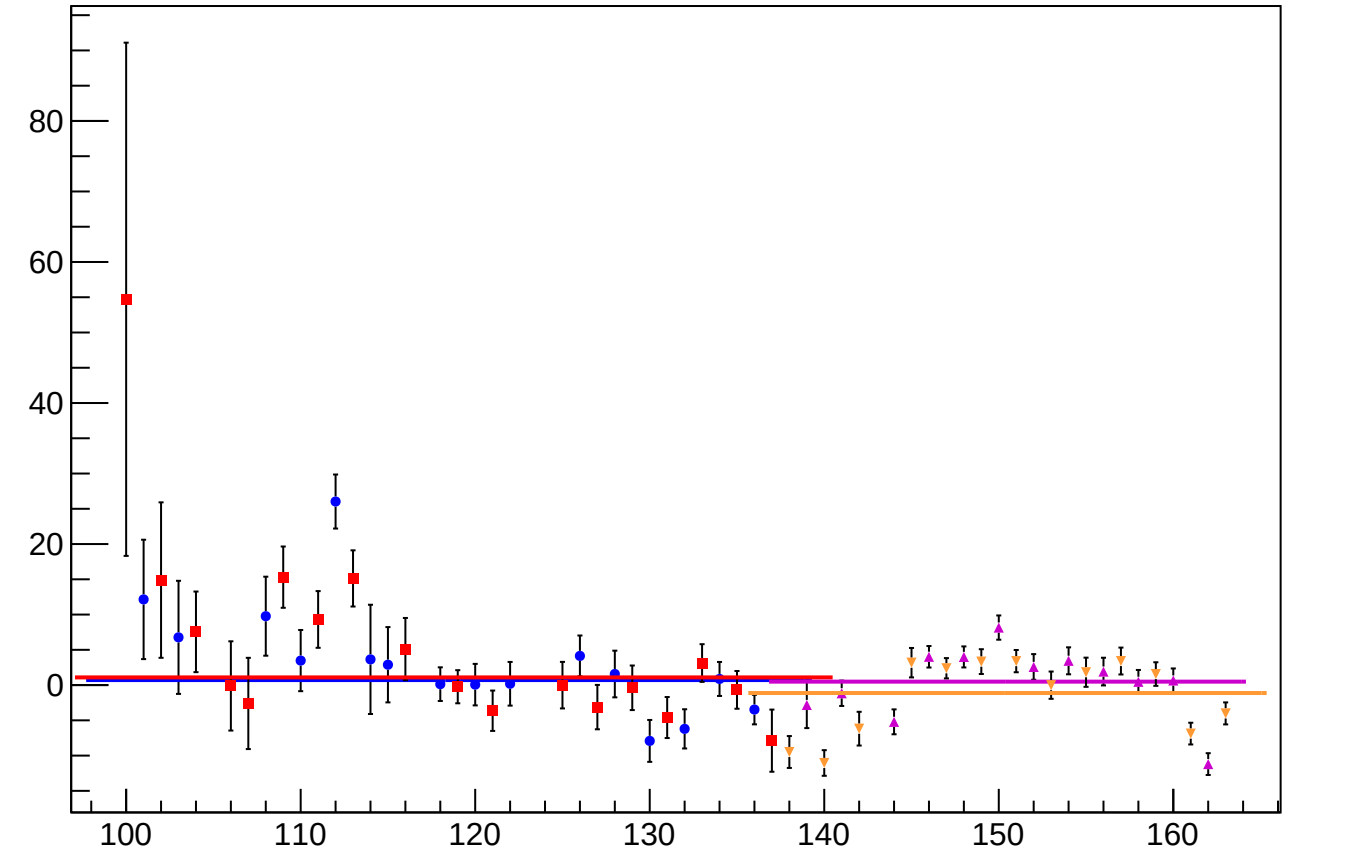
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -91.468+/-0.609 χ^2/NDF:189.2/11

+ sign -91.588+/-0.484 χ^2/NDF: 2077.5/28

All: -93.380+/-0.345 χ^2/NDF: 4522.7/58

- sign -95.233+/-0.492 χ^2/NDF: 2417.3/29



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.125+/-0.495 χ^2/NDF:100.8/12

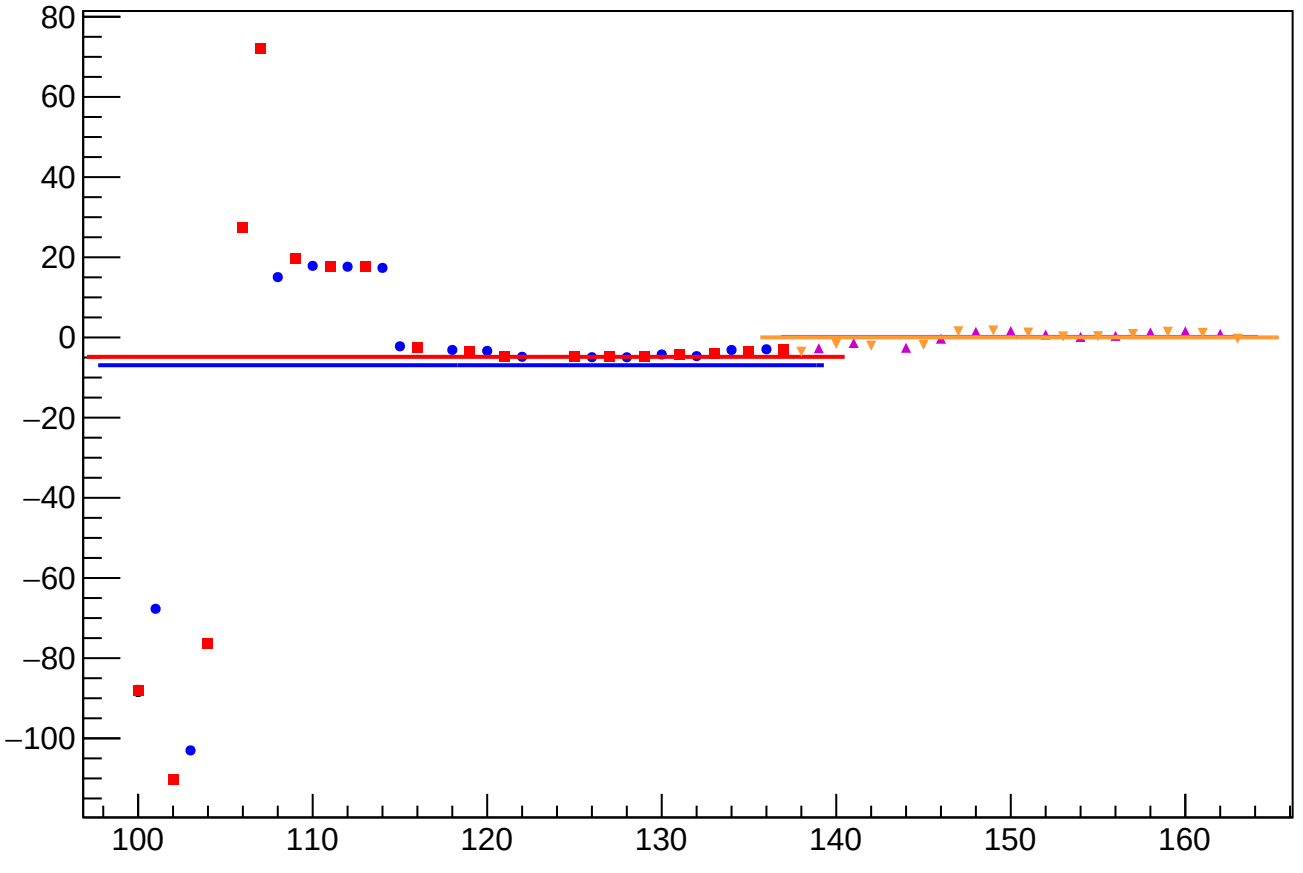
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.488+/-0.507 χ^2/NDF:104.6/11

\+ sign -0.636+/-0.424 χ^2/NDF: 174.0/28

All: -0.014+/-0.304 χ^2/NDF: 331.0/58

\- sign 0.644+/-0.436 χ^2/NDF: 152.6/29



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: 0.023+/-0.023 χ^2/NDF:4753.7/12

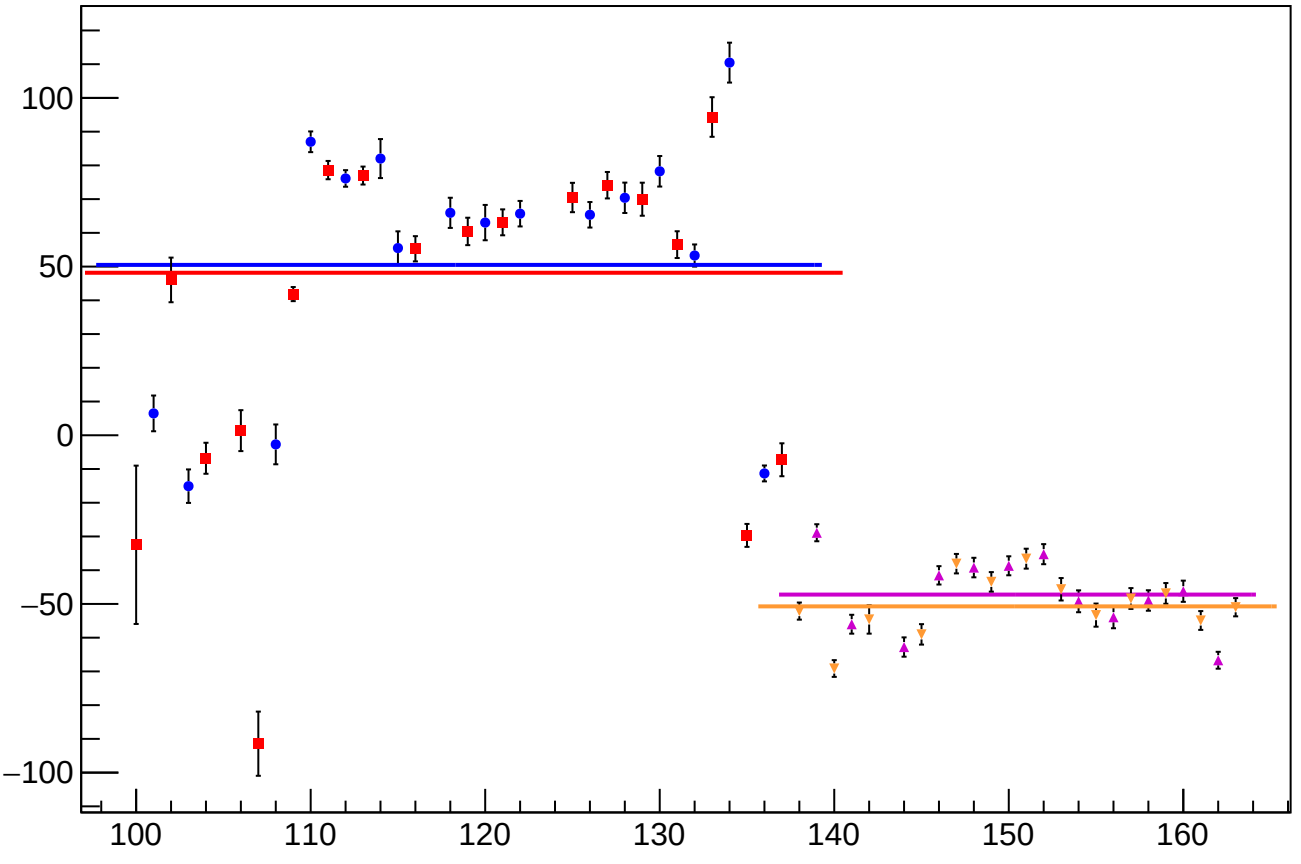
Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.133+/-0.023 χ^2/NDF:4056.9/11

+ sign -1.225+/-0.021 χ^2/NDF: 286766.9/28

All: -0.942+/-0.015 χ^2/NDF: 638025.6/58

- sign -0.648+/-0.021 χ^2/NDF: 350872.5/29



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.724+/-0.819 χ^2/NDF:119.5/12

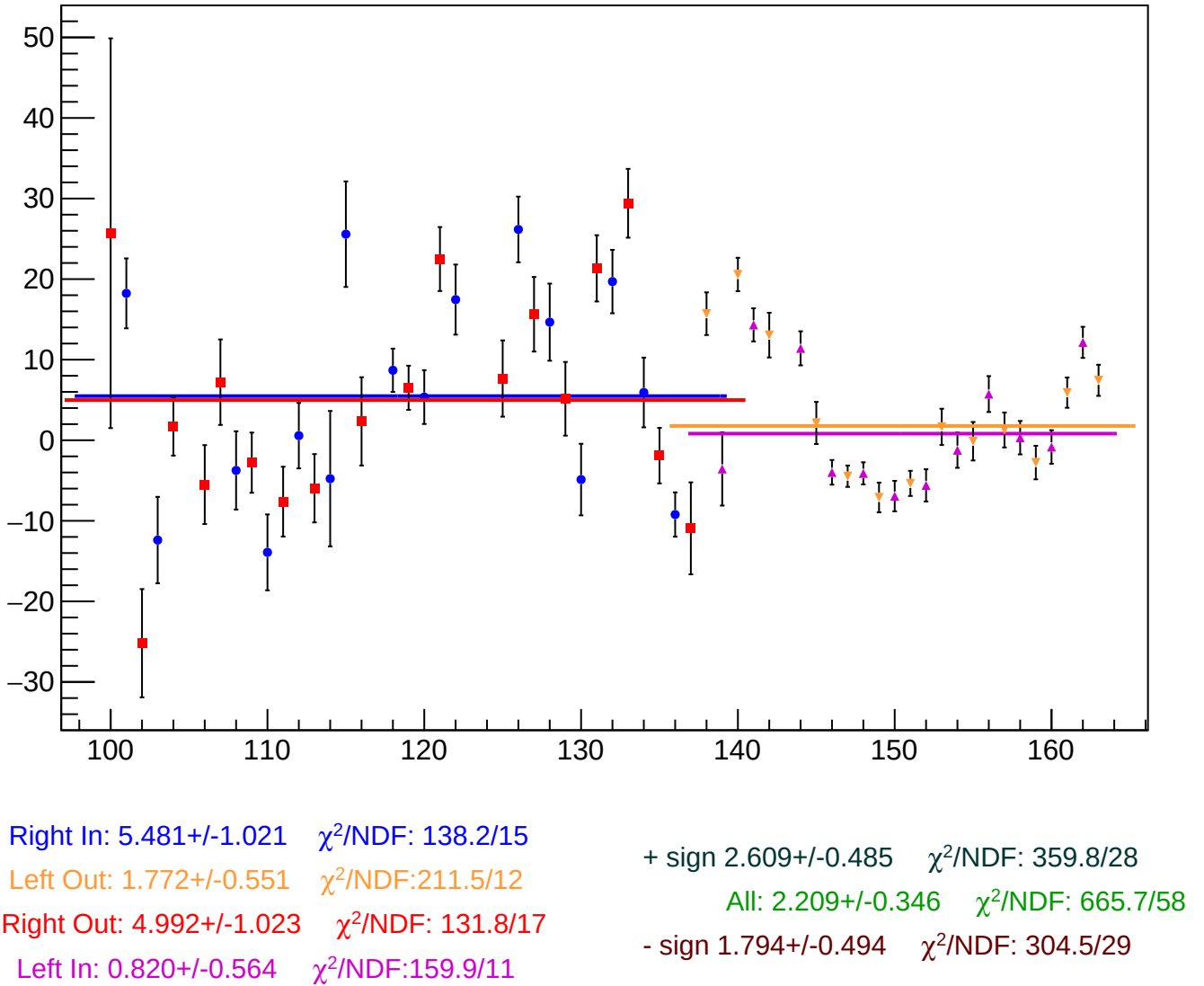
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

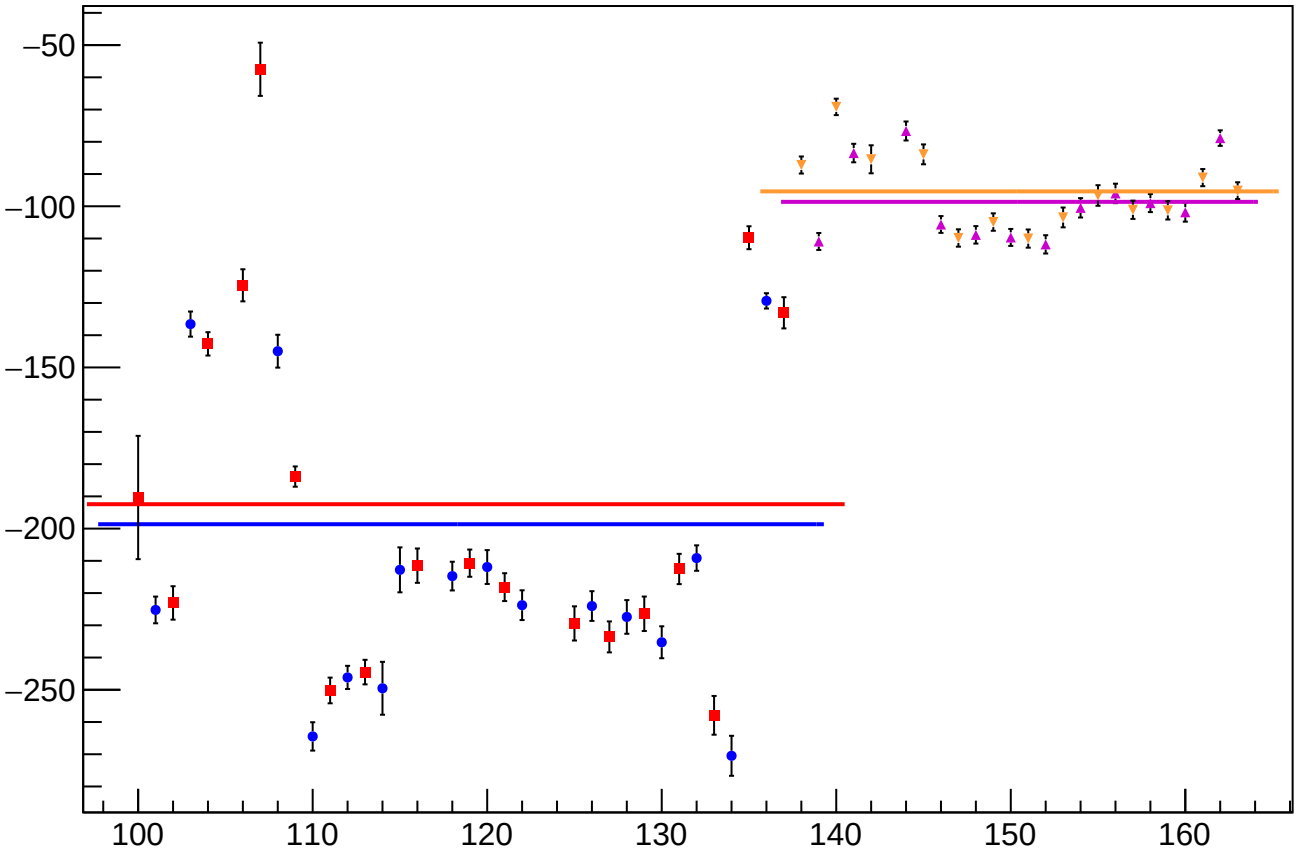
Left In: -47.227+/-0.828 χ^2/NDF:195.0/11

\+ sign -8.338+/-0.625 χ^2/NDF: 8014.9/28

All: -6.251+/-0.438 χ^2/NDF: 15732.3/58

\- sign -4.235+/-0.614 χ^2/NDF: 7695.4/29


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: 5.481+/-1.021 χ²/NDF: 138.2/15
Left Out: 1.772+/-0.551 χ²/NDF:211.5/12
Right Out: 4.992+/-1.023 χ²/NDF: 131.8/17
Left In: 0.820+/-0.564 χ²/NDF:159.9/11
+ sign 2.609+/-0.485 χ²/NDF: 359.8/28
All: 2.209+/-0.346 χ²/NDF: 665.7/58
- sign 1.794+/-0.494 χ²/NDF: 304.5/29



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.379+/-0.792 χ^2/NDF:220.4/12

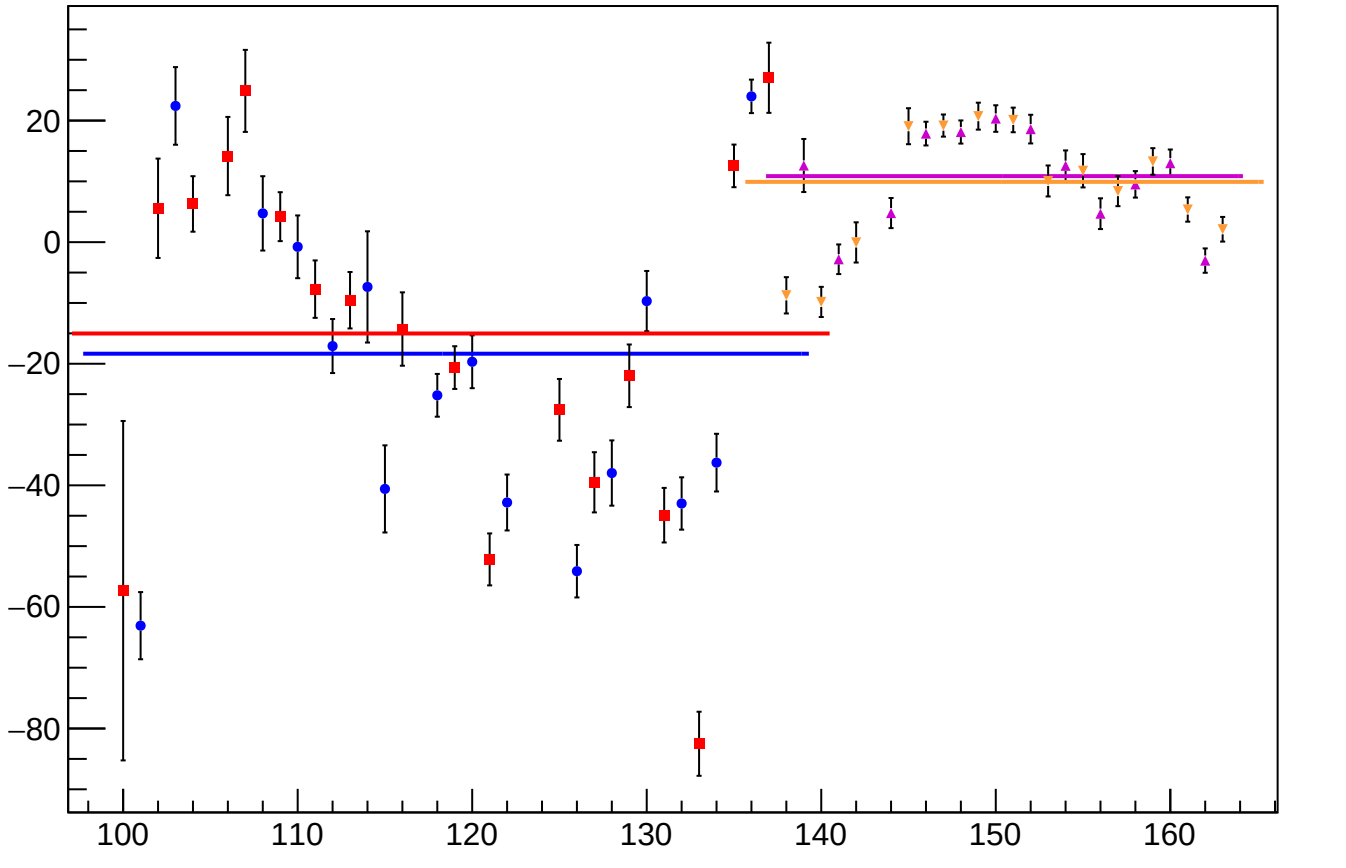
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.629+/-0.798 χ^2/NDF:235.9/11

+ sign -131.317+/-0.639 χ^2/NDF: 8145.7/28

All: -131.536+/-0.453 χ^2/NDF: 15402.0/58

- sign -131.758+/-0.642 χ^2/NDF: 7256.1/29



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 9.919+/-0.648 χ^2/NDF:219.1/12

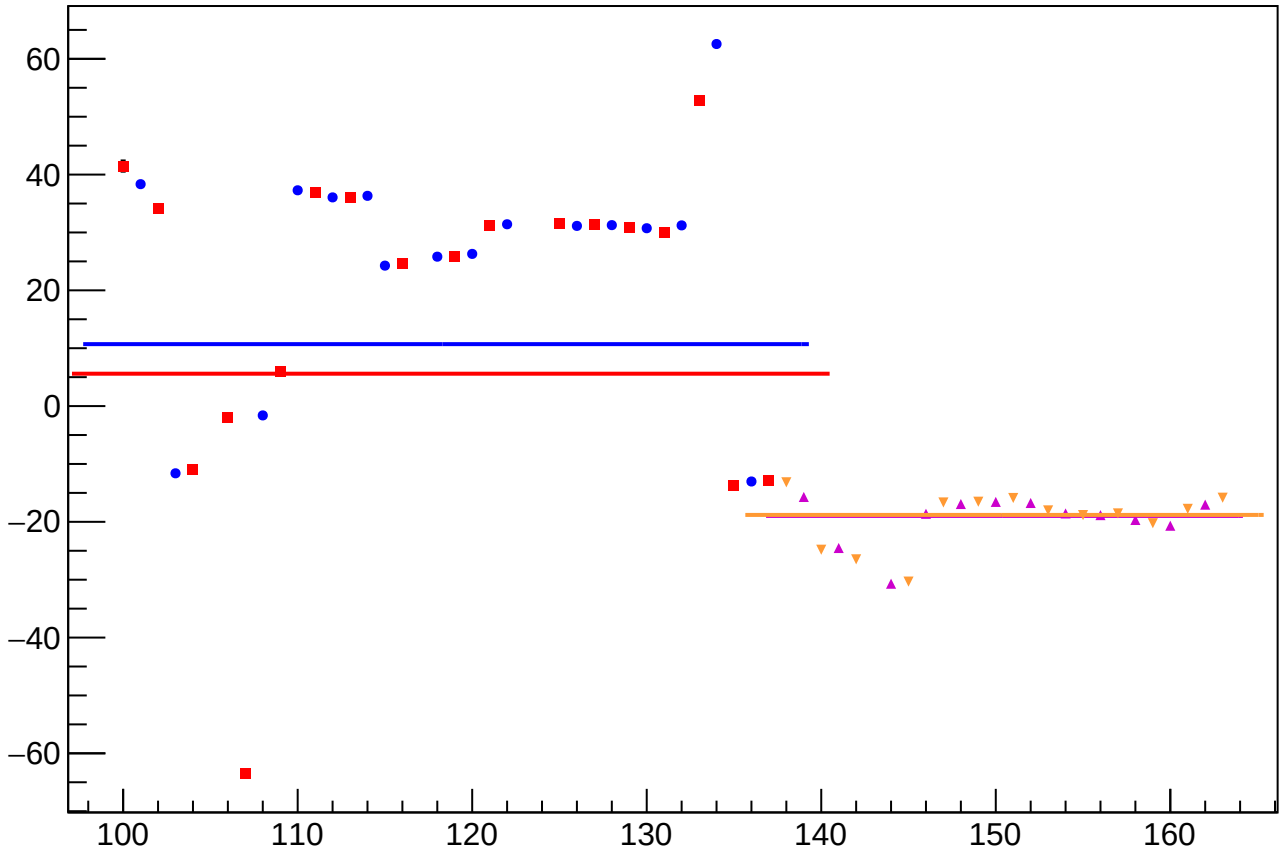
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 10.861+/-0.662 χ^2/NDF:150.4/11

+ sign 3.191+/-0.566 χ^2/NDF: 1216.0/28

All: 3.843+/-0.403 χ^2/NDF: 2290.2/58

- sign 4.518+/-0.575 χ^2/NDF: 1071.5/29



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.806+/-0.030 χ^2/NDF:19426.5/12

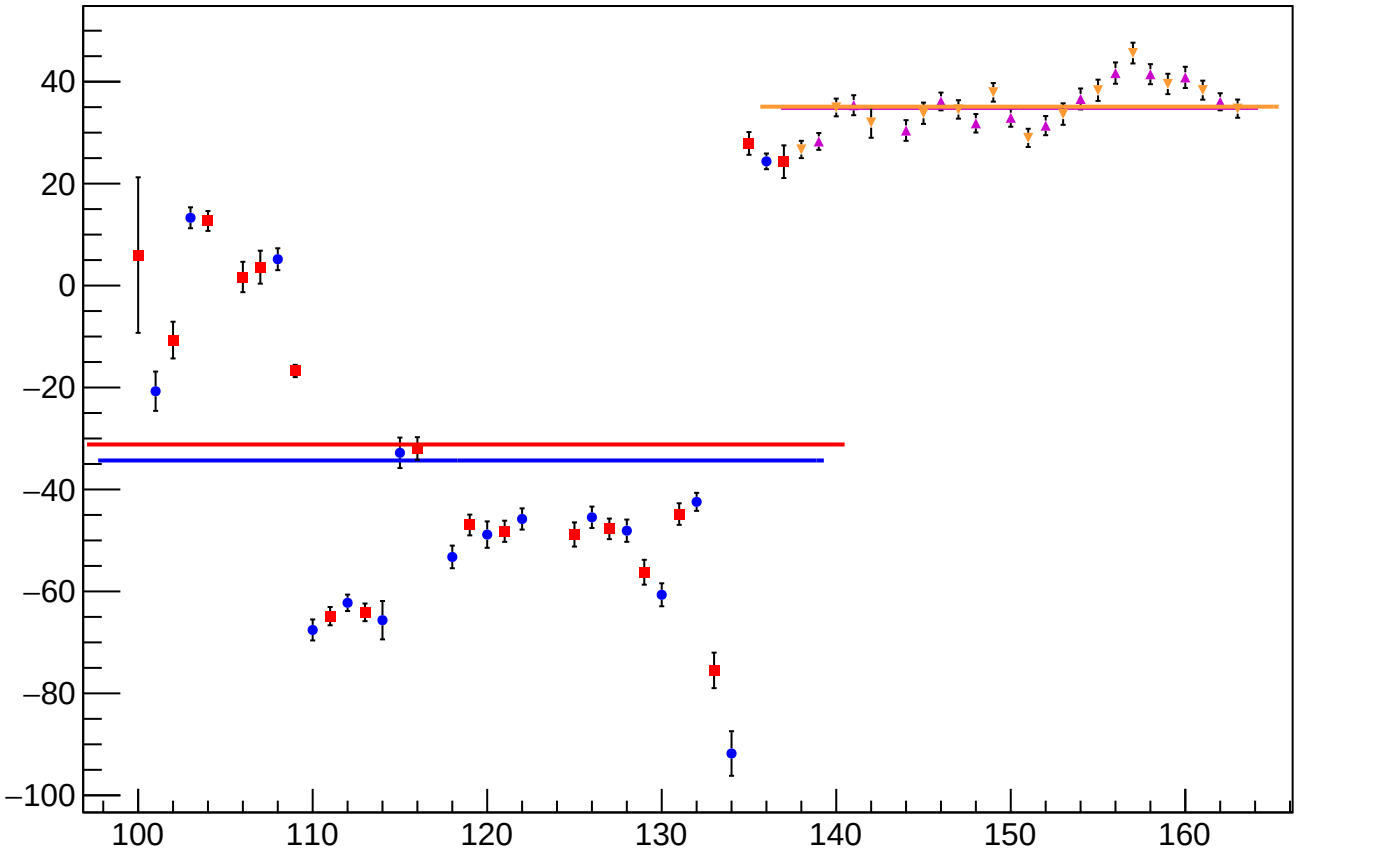
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.982+/-0.030 χ^2/NDF:13533.4/11

+ sign -13.397+/-0.027 χ^2/NDF: 364033.8/28

All: -13.968+/-0.019 χ^2/NDF: 655742.3/58

- sign -14.544+/-0.027 χ^2/NDF: 290804.6/29



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 35.095+/-0.536 χ^2/NDF:77.8/12

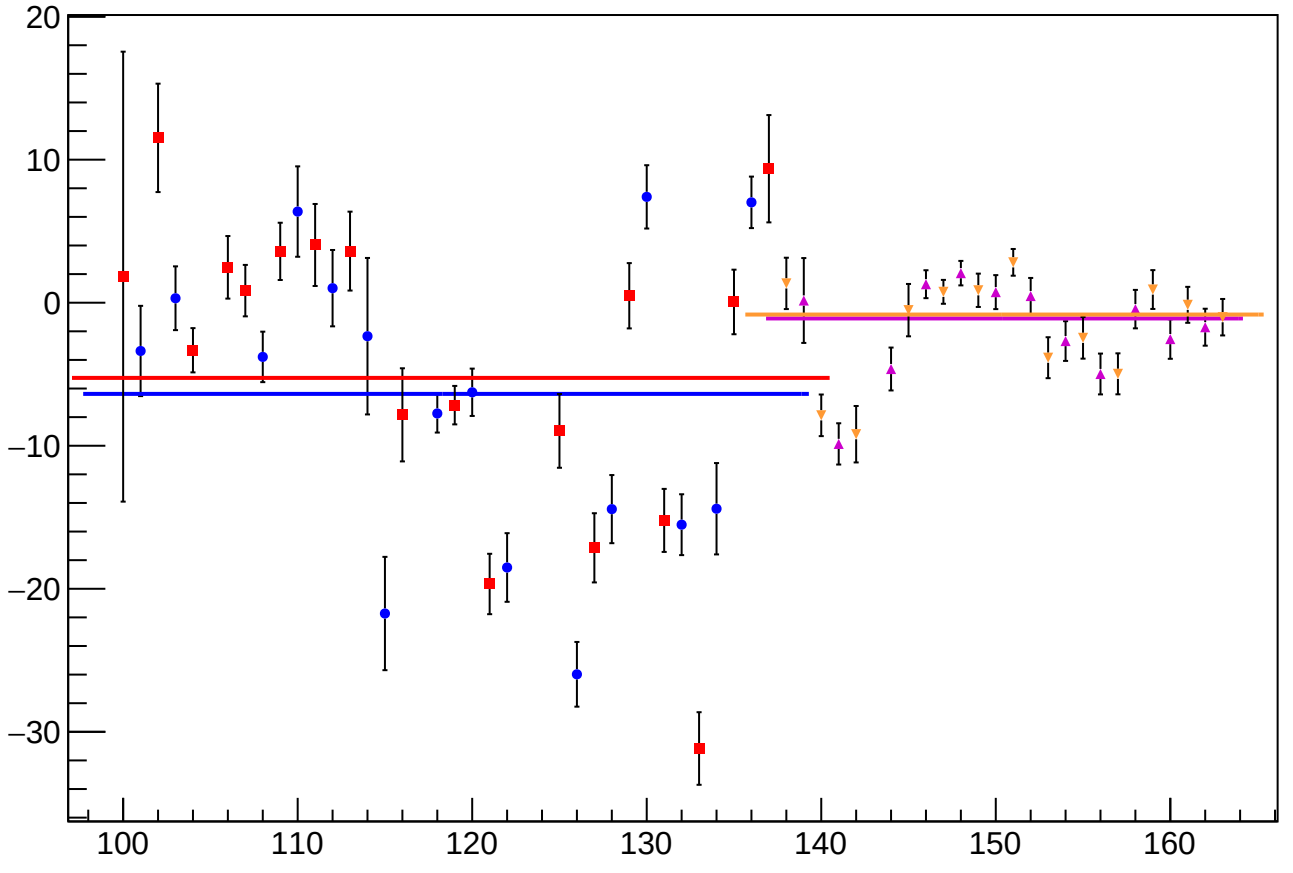
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.859+/-0.540 χ^2/NDF:60.2/11

\+ sign 1.176+/-0.383 χ^2/NDF: 11788.0/28

All: 0.725+/-0.267 χ^2/NDF: 22864.4/58

\- sign 0.296+/-0.373 χ^2/NDF: 11073.6/29



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.828+/-0.356 χ^2/NDF:80.0/12

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

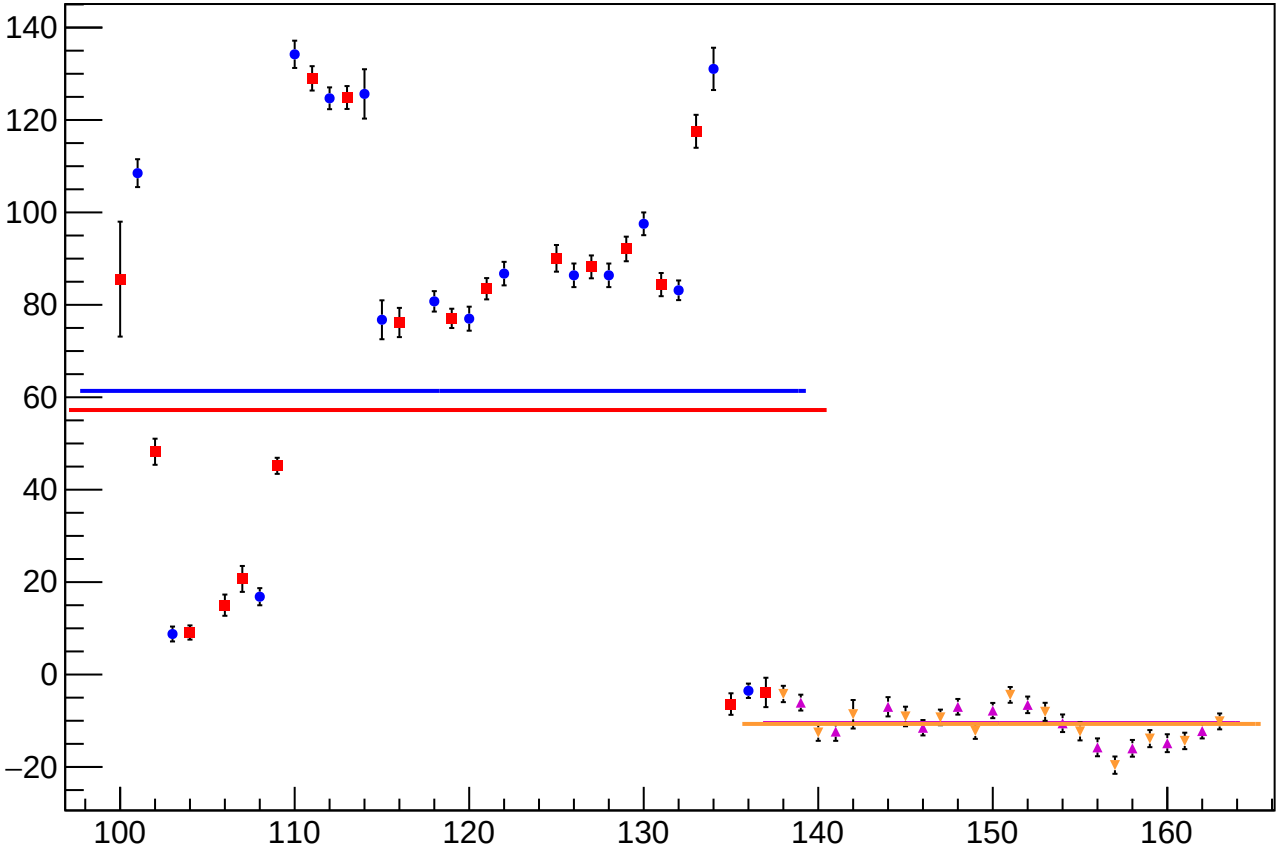
Left In: -1.101+/-0.366 χ^2/NDF:76.6/11

+ sign -2.450+/-0.299 χ^2/NDF: 434.6/28

All: -2.442+/-0.212 χ^2/NDF: 865.5/58

- sign -2.433+/-0.301 χ^2/NDF: 430.9/29

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: -10.686+/-0.516 χ^2/NDF:63.2/12

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

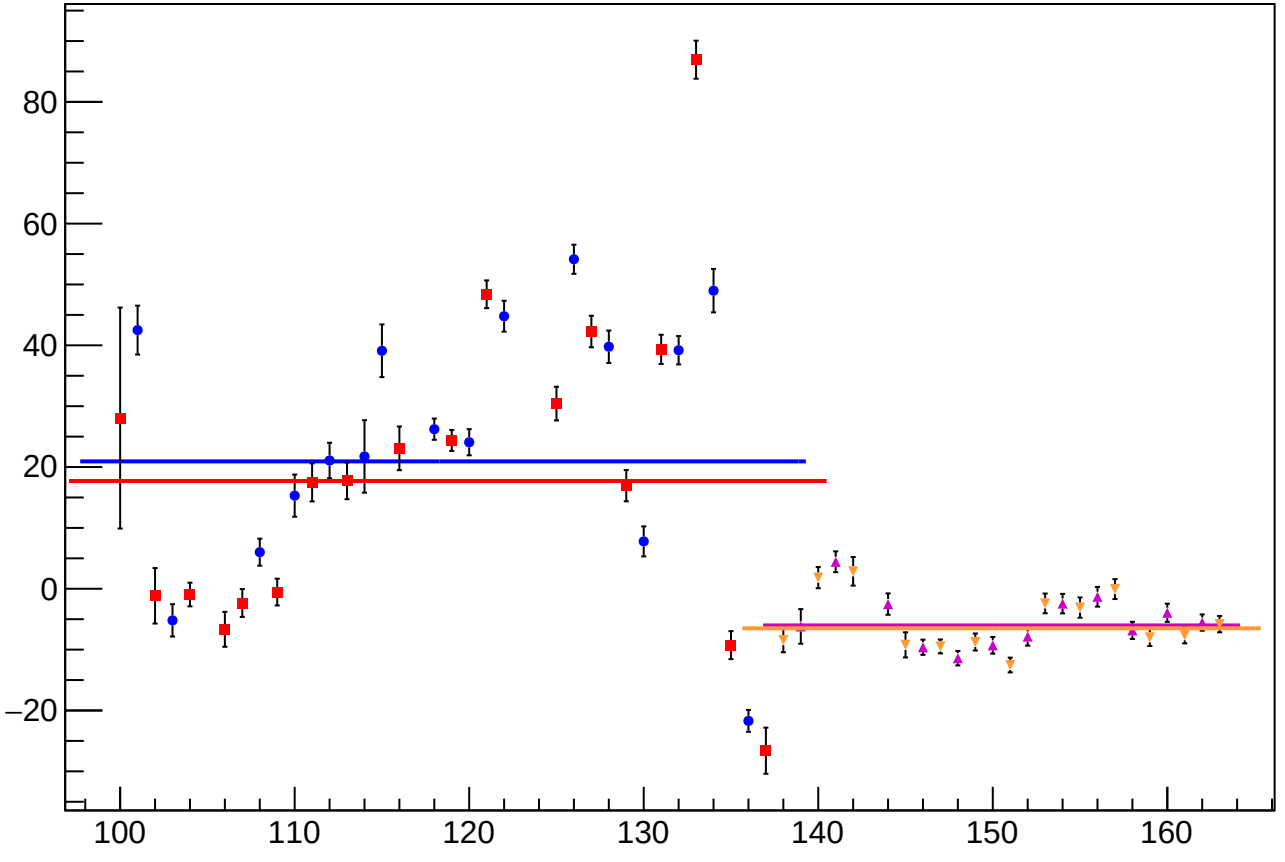
Left In: -10.489+/-0.520 χ^2/NDF:45.2/11

+ sign 20.272+/-0.390 χ^2/NDF: 14516.6/28

All: 19.962+/-0.275 χ^2/NDF: 27392.3/58

- sign 19.657+/-0.387 χ^2/NDF: 12874.5/29

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.495+/-0.420 χ^2/NDF:103.6/12

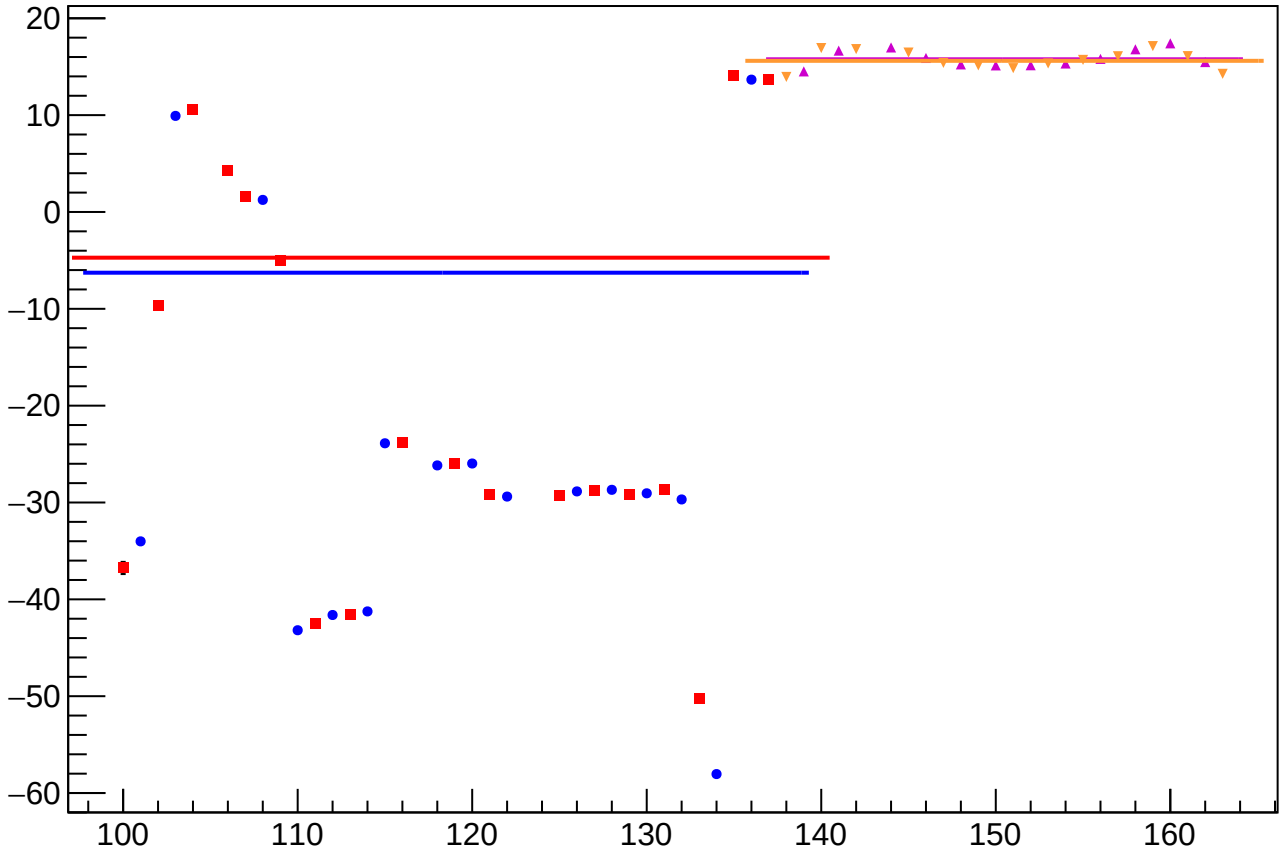
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.025+/-0.430 χ^2/NDF:93.2/11

+ sign 1.757+/-0.351 χ^2/NDF: 2632.3/28

All: 1.739+/-0.249 χ^2/NDF: 5200.8/58

- sign 1.721+/-0.353 χ^2/NDF: 2568.5/29



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.607+/-0.019 χ^2/NDF:2400.0/12

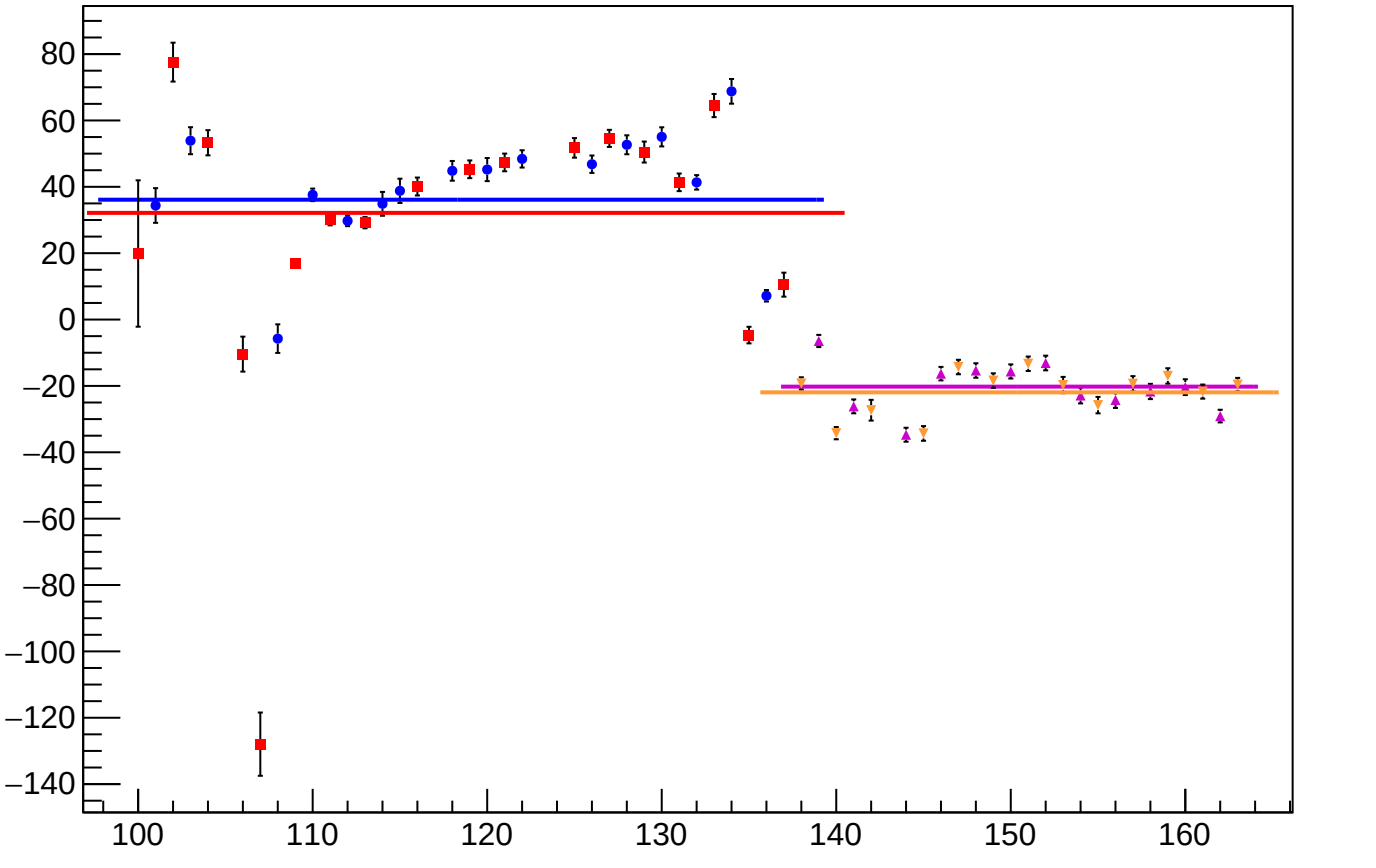
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.766+/-0.019 χ^2/NDF:1868.1/11

+ sign 10.103+/-0.017 χ^2/NDF: 733682.3/28

All: 10.382+/-0.012 χ^2/NDF: 1320438.3/58

- sign 10.663+/-0.017 χ^2/NDF: 586200.8/29



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.939+/-0.611 χ^2/NDF:121.3/12

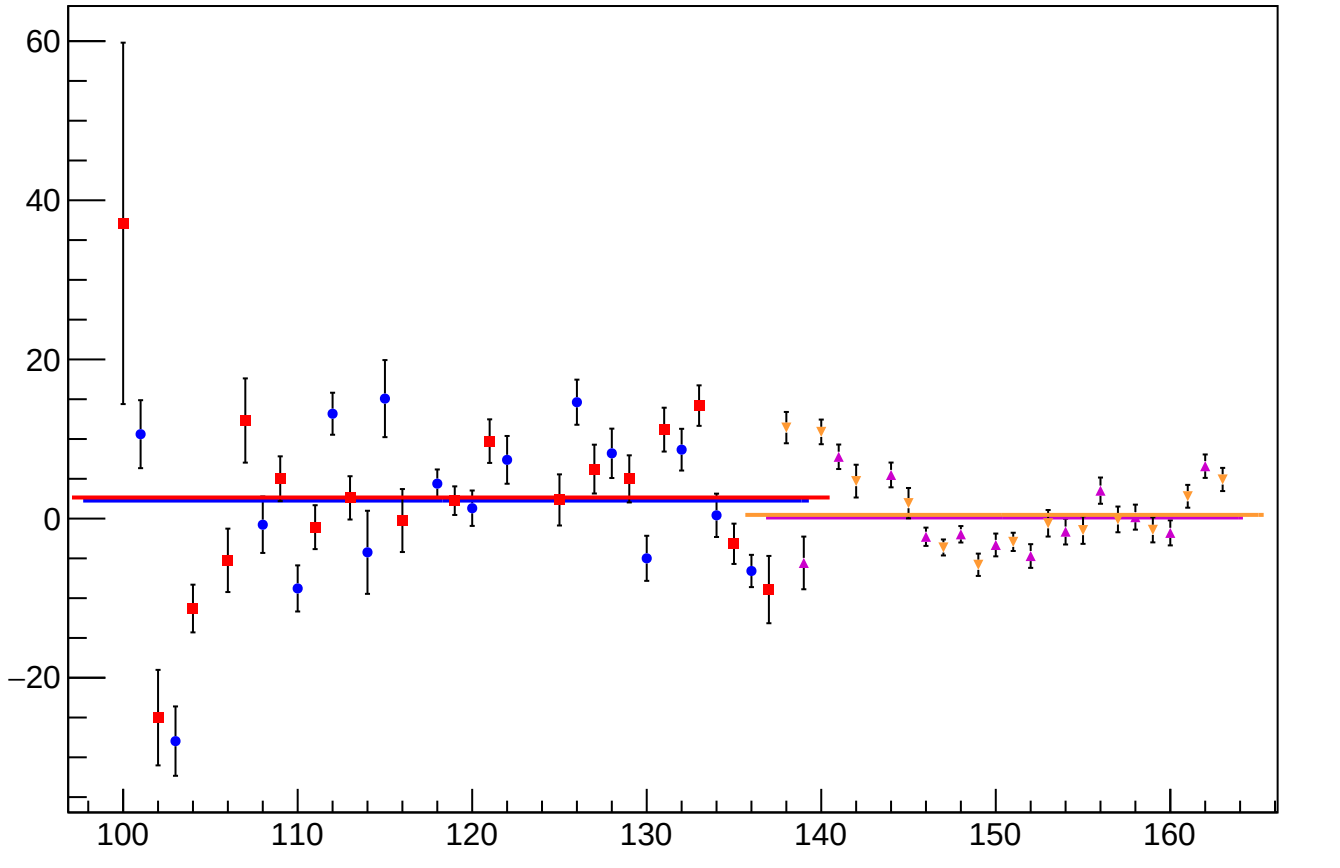
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

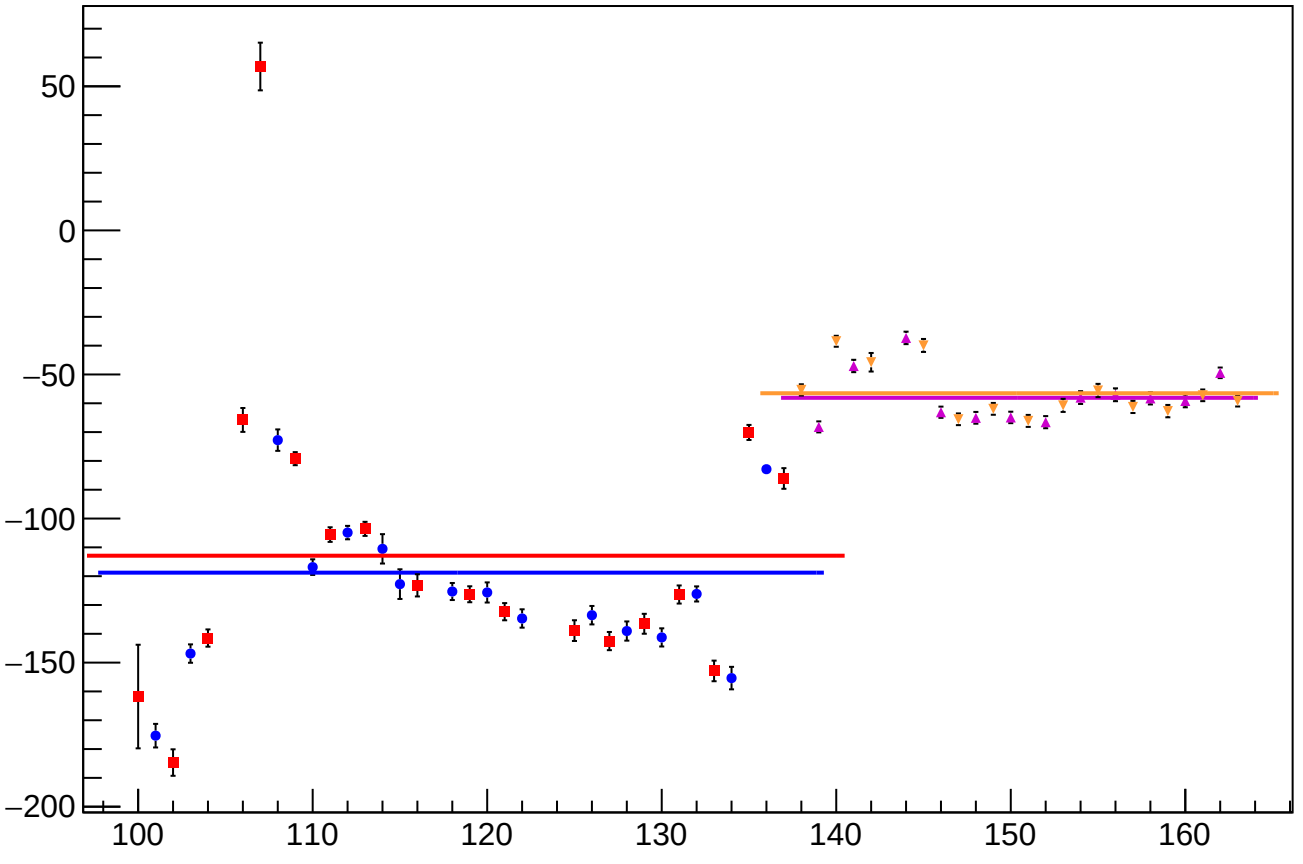
Left In: -20.217+/-0.619 χ^2/NDF:161.4/11

\+ sign 5.010+/-0.447 χ^2/NDF: 4935.5/28

All: 5.238+/-0.314 χ^2/NDF: 9726.6/58

\- sign 5.460+/-0.442 χ^2/NDF: 4790.7/29


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 0.466+/-0.412 χ²/NDF:141.7/12
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 0.138+/-0.423 χ²/NDF:90.4/11
+ sign 0.928+/-0.355 χ²/NDF: 298.6/28
All: 0.861+/-0.254 χ²/NDF: 505.5/58
- sign 0.790+/-0.364 χ²/NDF: 206.8/29



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.516+/-0.591 χ^2/NDF:222.4/12

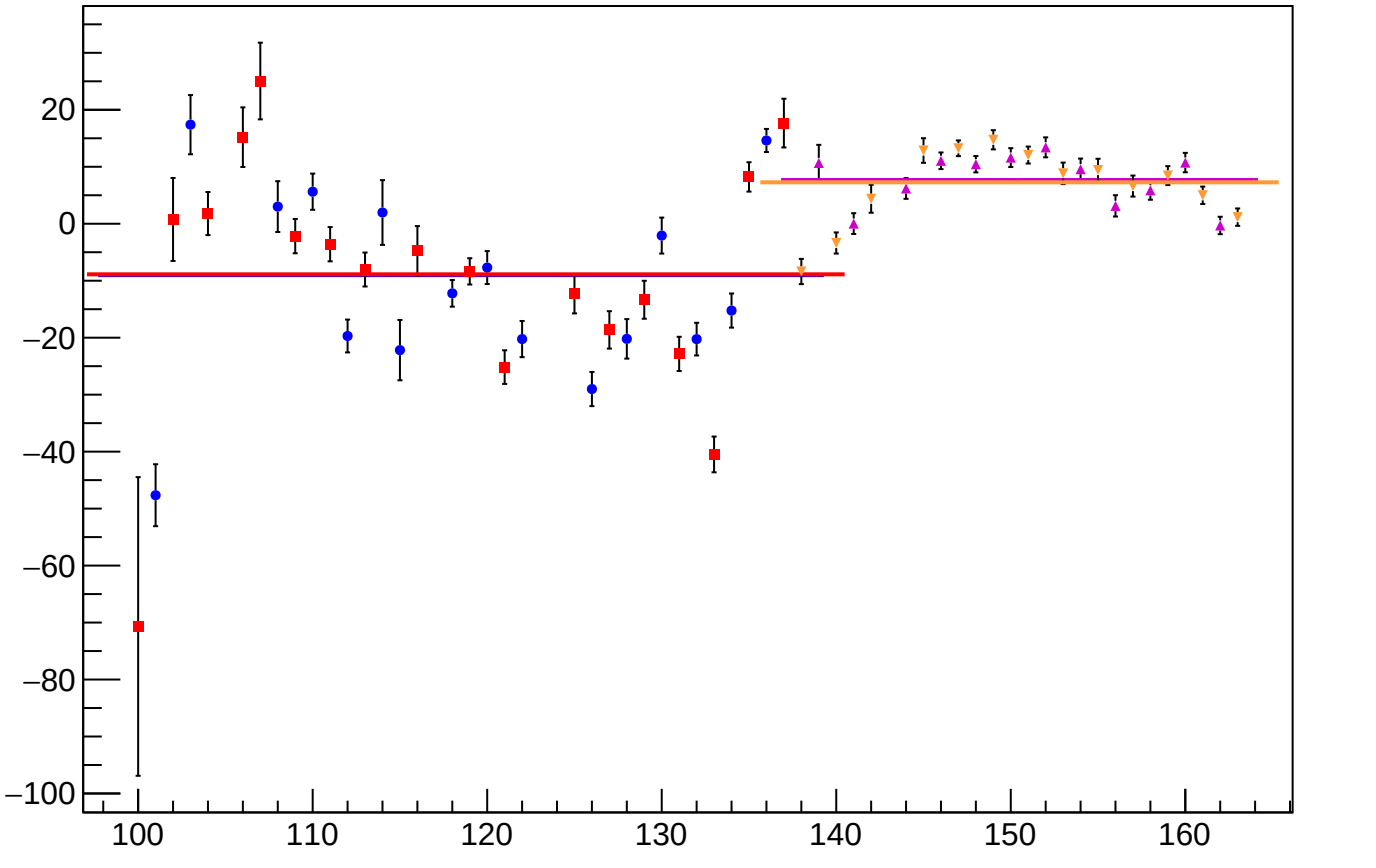
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.099+/-0.596 χ^2/NDF:215.1/11

+ sign -80.079+/-0.466 χ^2/NDF: 5548.5/28

All: -79.521+/-0.331 χ^2/NDF: 10841.9/58

- sign -78.953+/-0.469 χ^2/NDF: 5290.6/29



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 7.270+/-0.485 χ^2/NDF:160.6/12

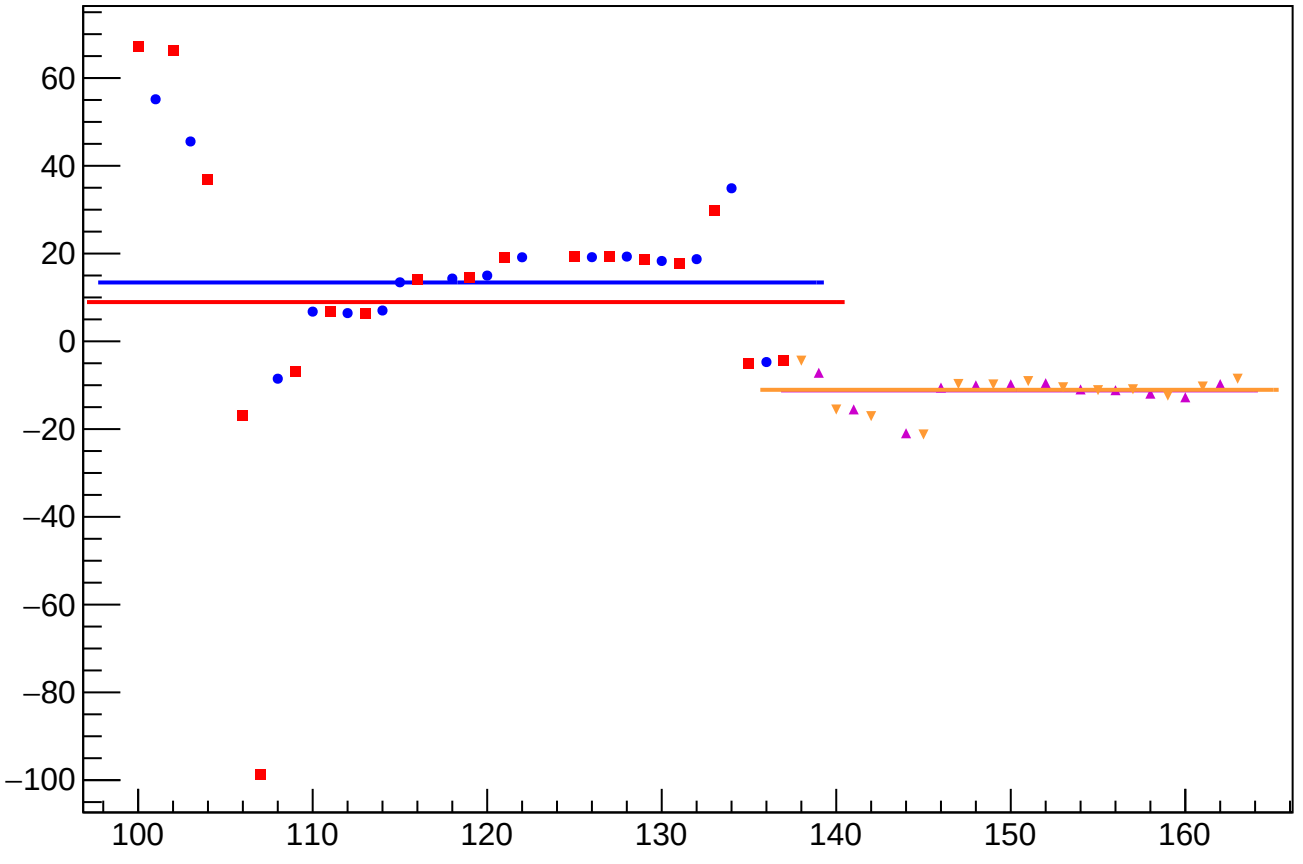
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.677+/-0.496 χ^2/NDF:83.1/11

+ sign 2.863+/-0.414 χ^2/NDF: 824.4/28

All: 3.008+/-0.296 χ^2/NDF: 1530.0/58

- sign 3.159+/-0.423 χ^2/NDF: 705.3/29



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.049+/-0.022 χ^2/NDF:28320.9/12

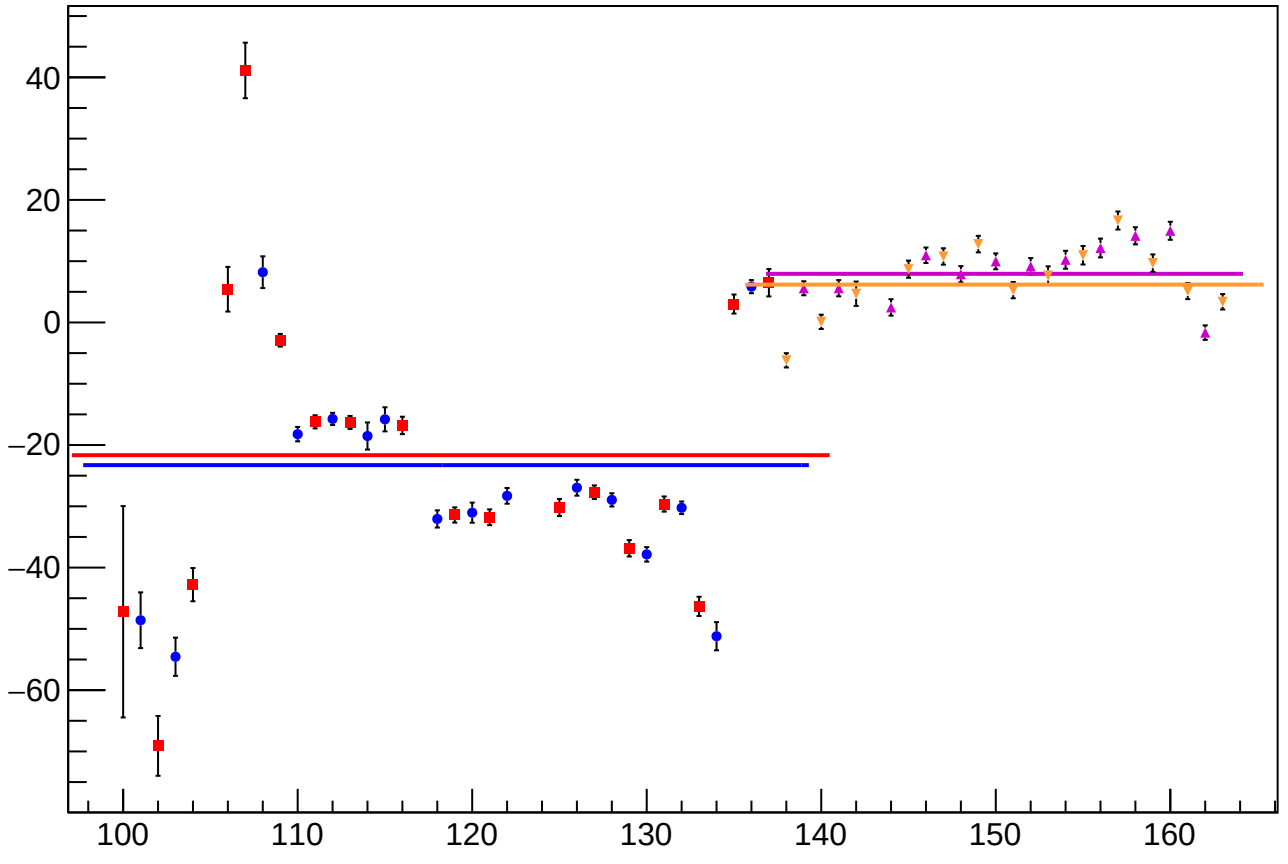
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.185+/-0.022 χ^2/NDF:18065.8/11

+ sign -6.305+/-0.020 χ^2/NDF: 447240.8/28

All: -6.912+/-0.014 χ^2/NDF: 905929.5/58

- sign -7.534+/-0.020 χ^2/NDF: 456811.6/29



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.178+/-0.379 χ^2/NDF:252.4/12

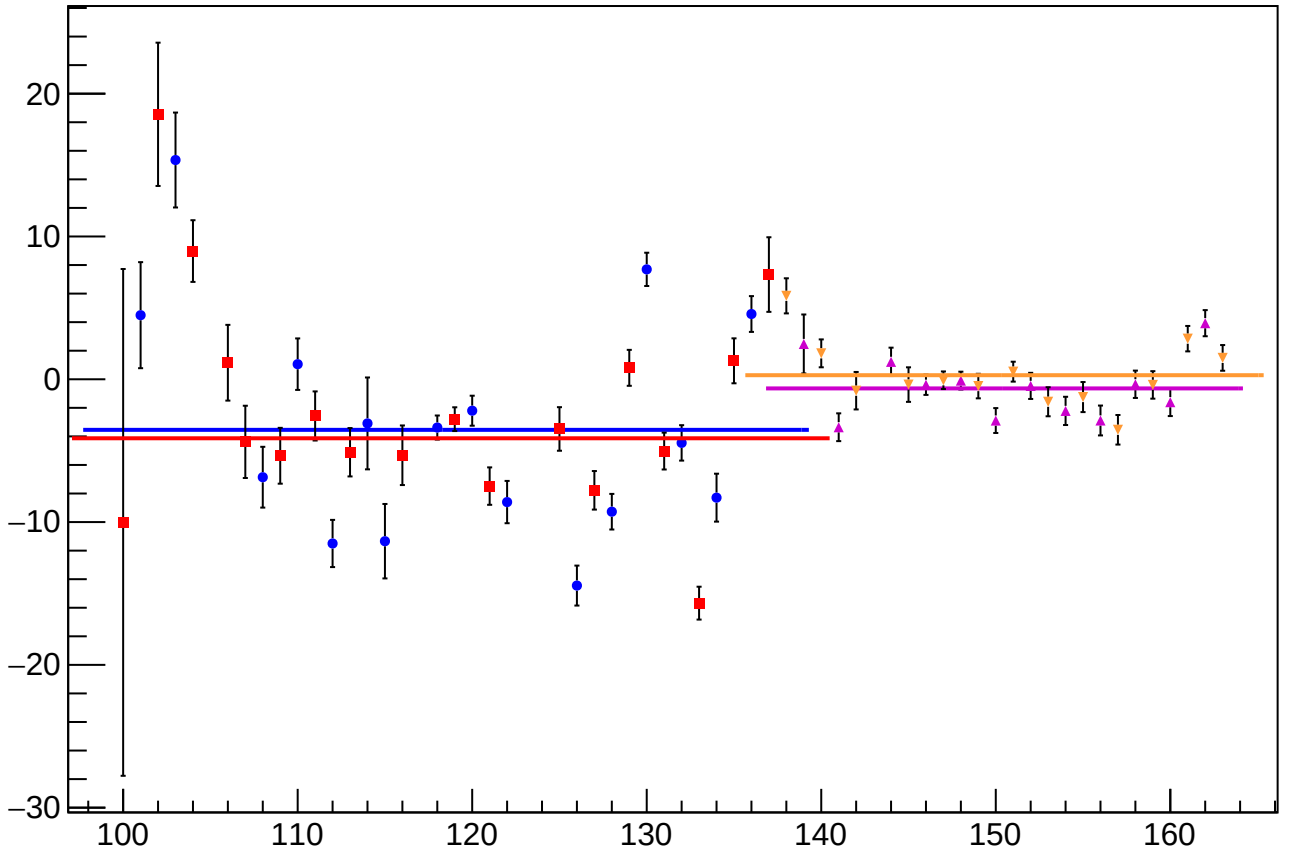
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.935+/-0.384 χ^2/NDF:151.0/11

\+ sign -9.713+/-0.257 χ^2/NDF: 5075.9/28

All: -9.020+/-0.182 χ^2/NDF: 10325.7/58

\- sign -8.327+/-0.257 χ^2/NDF: 5235.4/29



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.285+/-0.255 χ^2/NDF:54.8/12

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

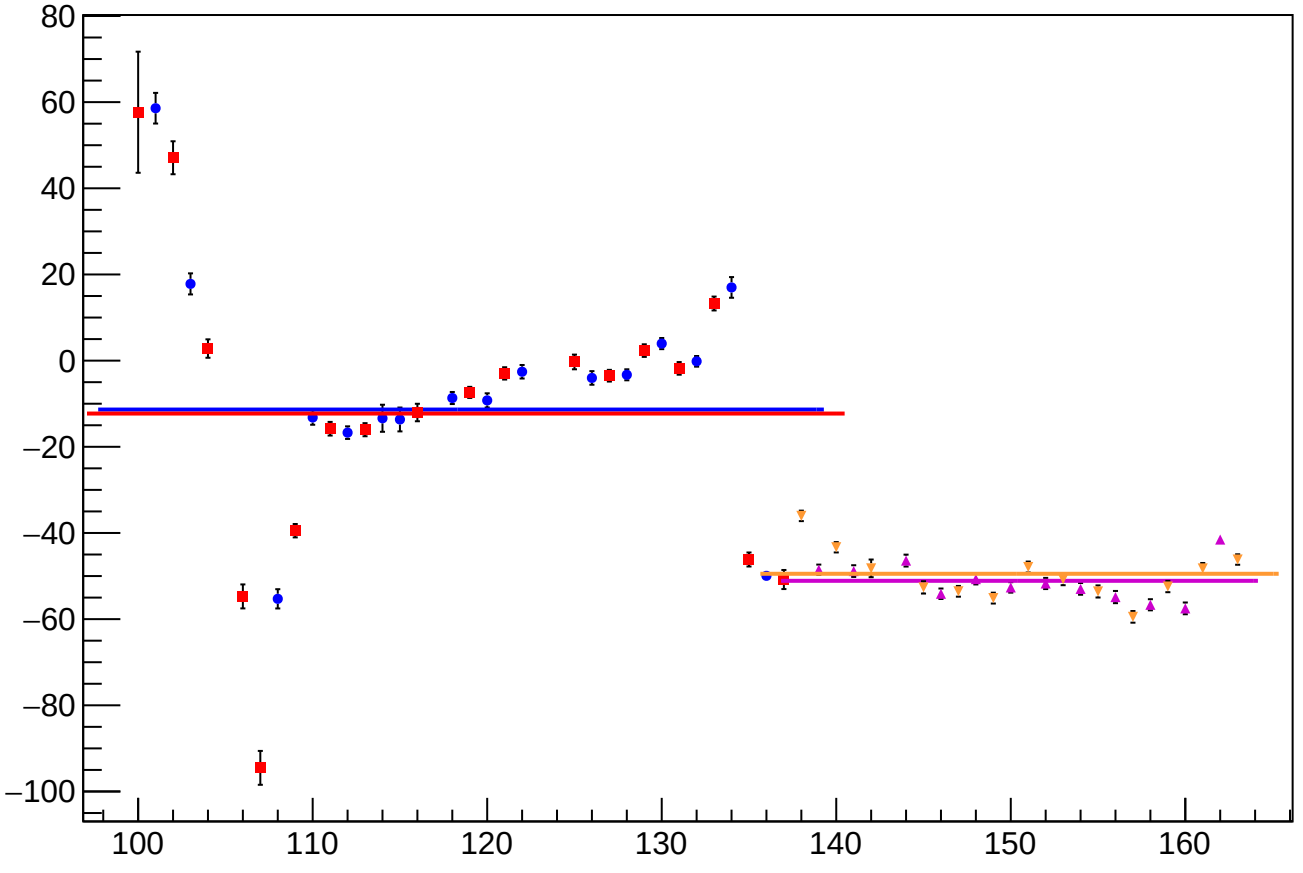
Left In: -0.640+/-0.261 χ^2/NDF:54.3/11

+ sign -0.980+/-0.209 χ^2/NDF: 446.1/28

All: -1.380+/-0.149 χ^2/NDF: 794.7/58

- sign -1.800+/-0.214 χ^2/NDF: 341.0/29

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: -49.473+/-0.366 χ^2/NDF:263.0/12

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

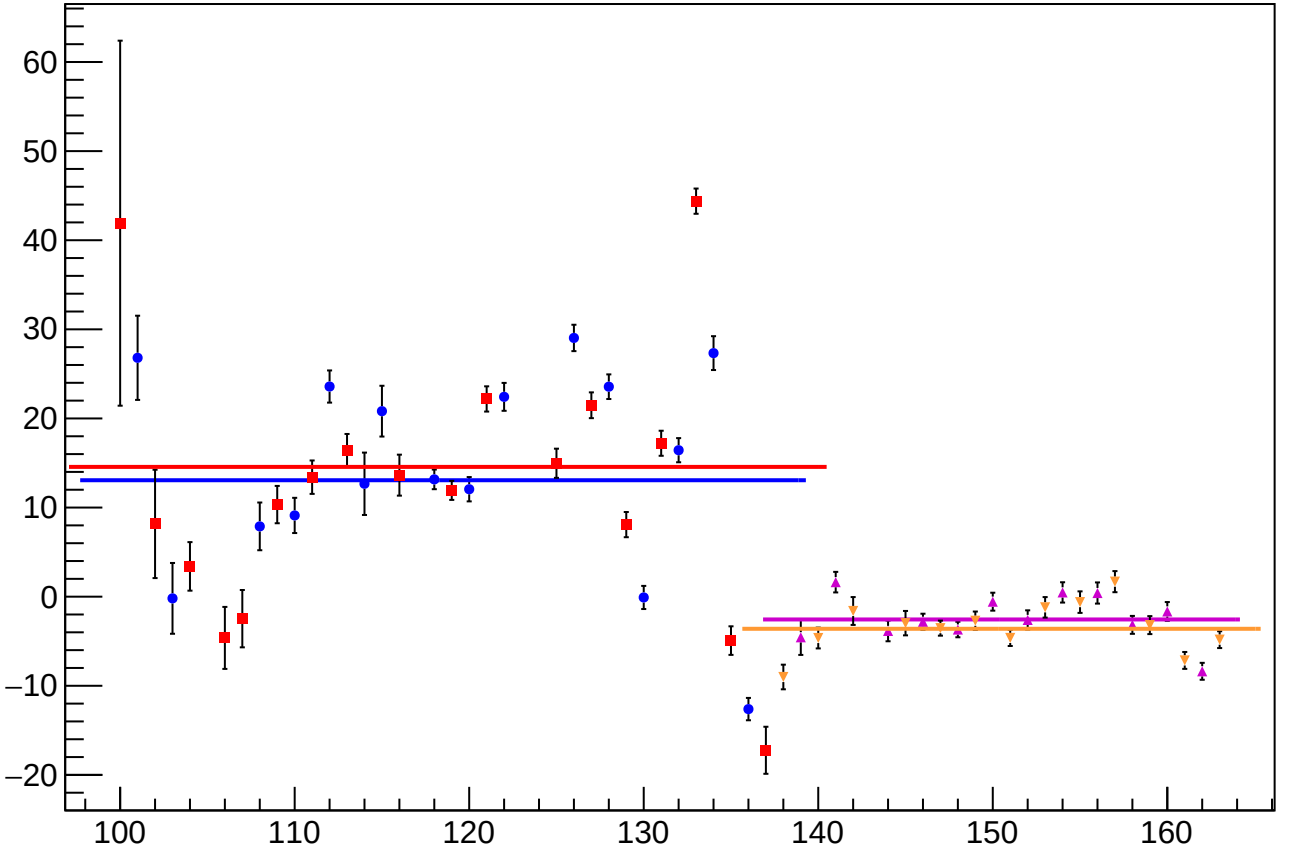
Left In: -51.105+/-0.370 χ^2/NDF:147.0/11

+ sign -32.357+/-0.272 χ^2/NDF: 7789.0/28

All: -33.093+/-0.193 χ^2/NDF: 15446.8/58

- sign -33.849+/-0.275 χ^2/NDF: 7643.0/29

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: -3.605+/-0.300 χ^2/NDF:66.3/12

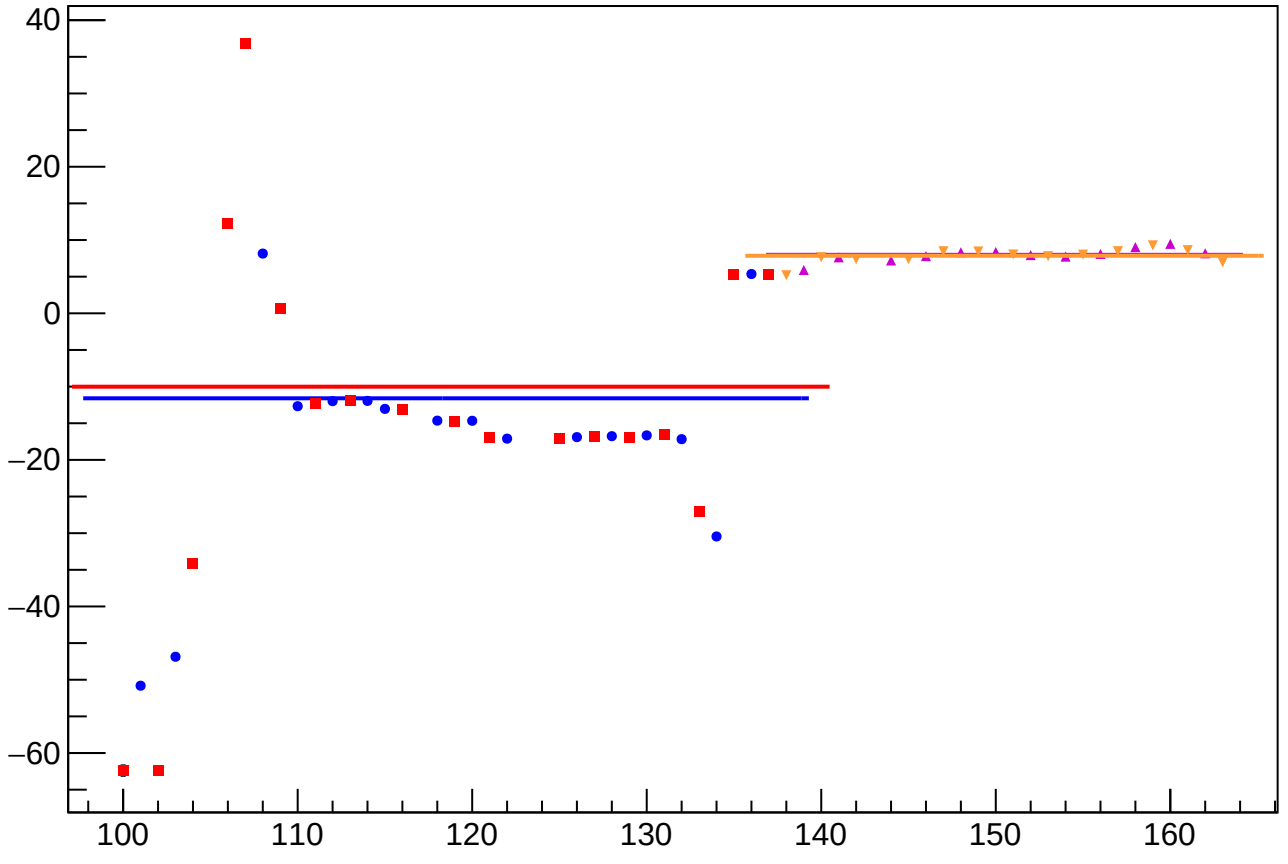
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.558+/-0.307 χ^2/NDF:73.1/11

+ sign 2.115+/-0.243 χ^2/NDF: 1991.2/28

All: 2.723+/-0.174 χ^2/NDF: 4054.9/58

- sign 3.358+/-0.248 χ^2/NDF: 2050.9/29



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.854+/-0.014 χ^2/NDF:5361.9/12

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

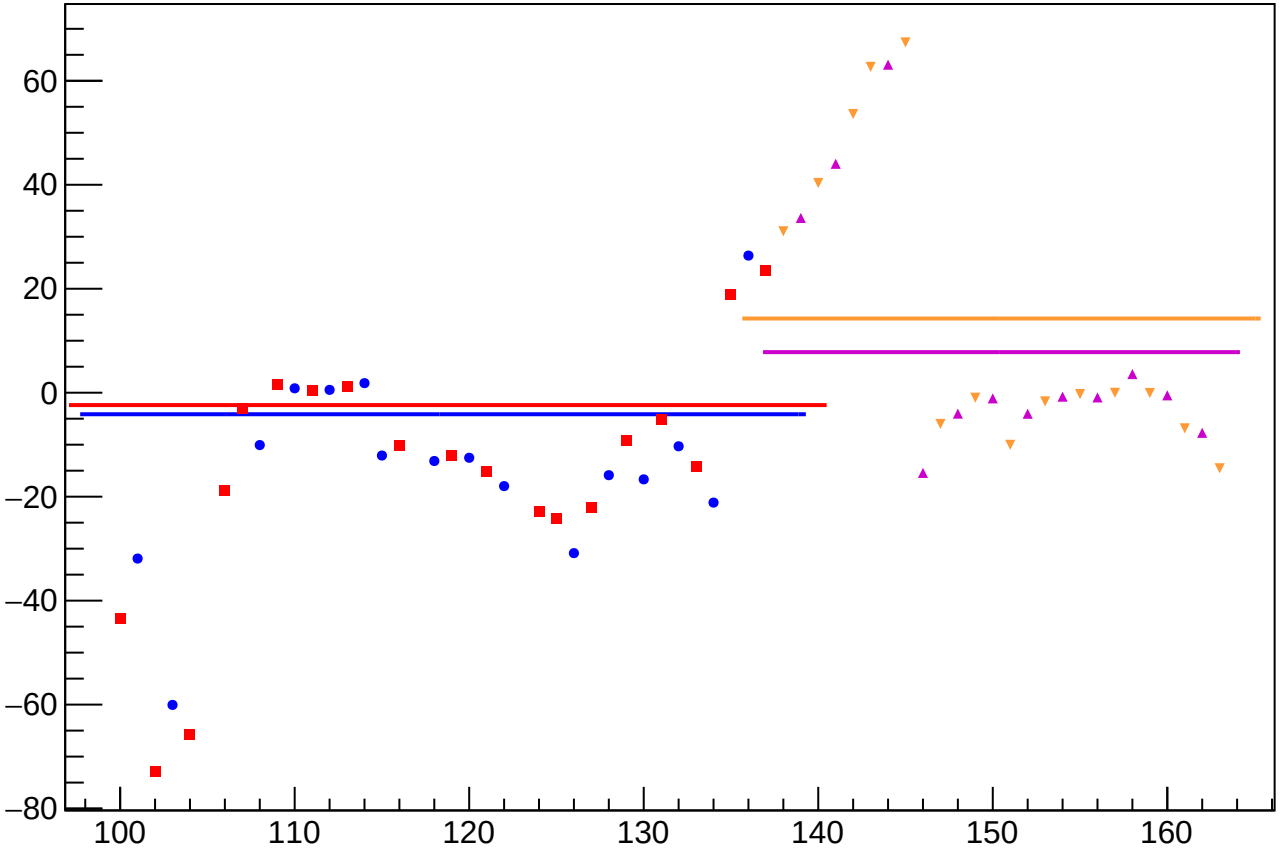
Left In: 7.982+/-0.014 χ^2/NDF:4253.3/11

+ sign 3.670+/-0.012 χ^2/NDF: 794825.2/28

All: 4.002+/-0.009 χ^2/NDF: 1539735.0/58

- sign 4.341+/-0.012 χ^2/NDF: 743412.6/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 14.275+/-0.070 χ^2/NDF:130897.8/13

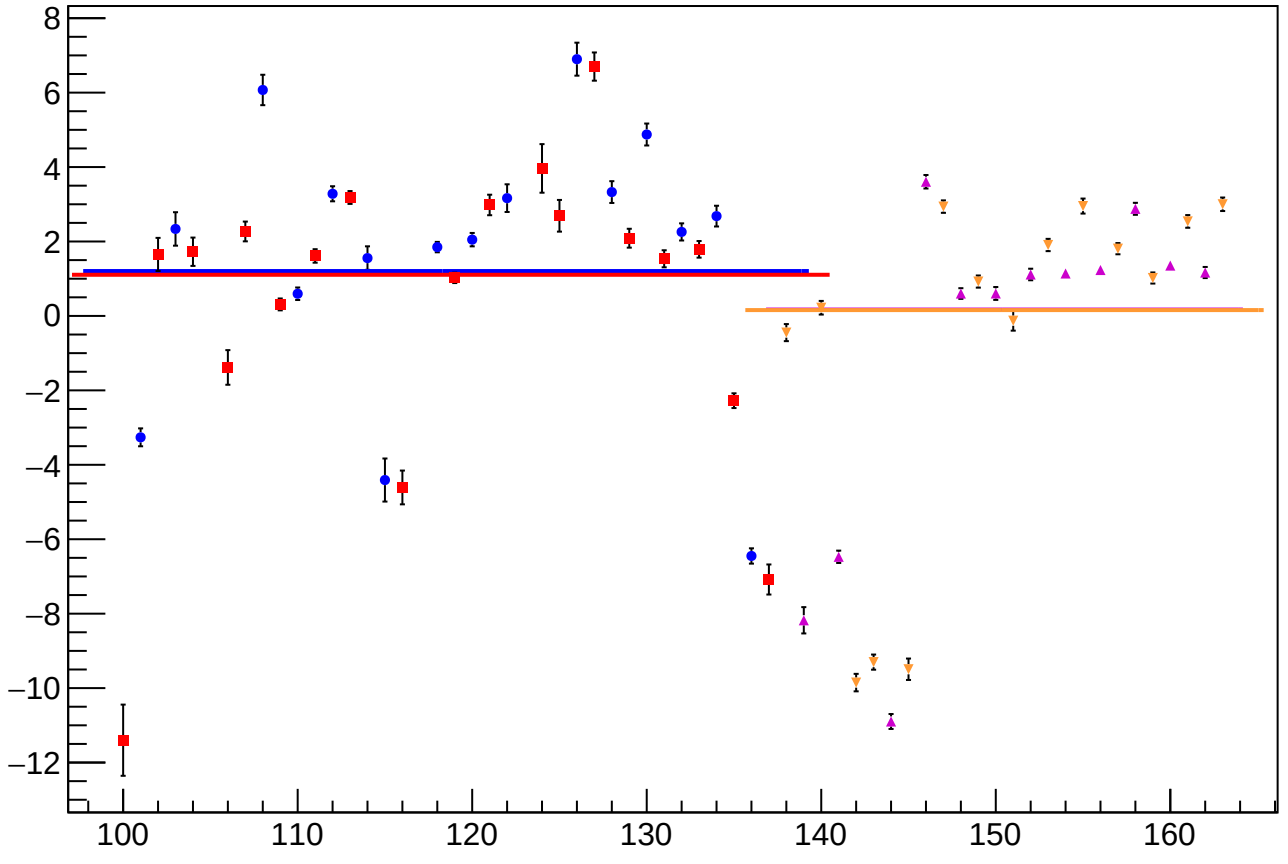
Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 7.805+/-0.061 χ^2/NDF:109466.1/11

+ sign 2.821+/-0.043 χ^2/NDF: 249074.7/29

All: 1.946+/-0.028 χ^2/NDF: 457661.1/60

- sign 1.308+/-0.037 χ^2/NDF: 207875.4/30



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.157+/-0.050 χ^2/NDF:6304.6/13

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

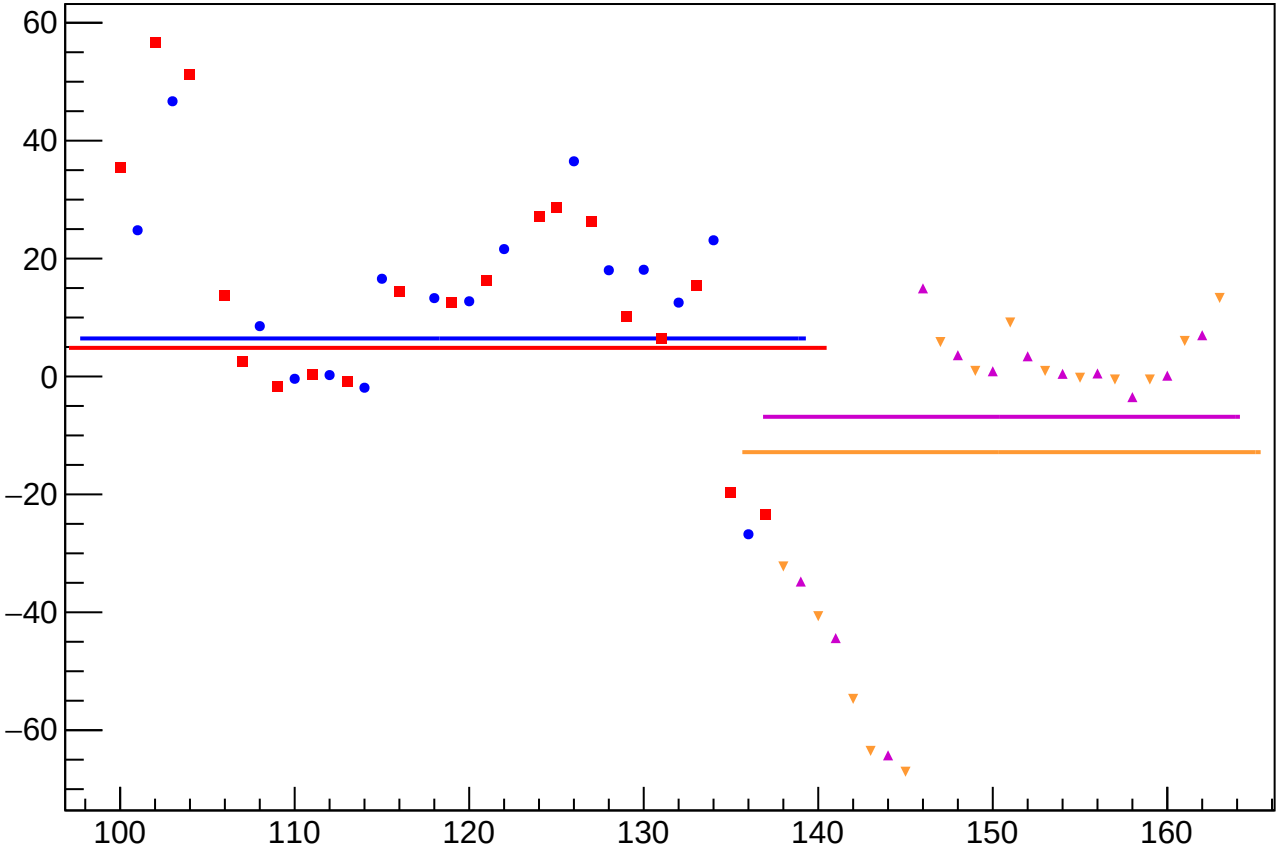
Left In: 0.172+/-0.043 χ^2/NDF:6201.0/11

+ sign 0.580+/-0.038 χ^2/NDF: 9068.9/29

All: 0.539+/-0.026 χ^2/NDF: 17030.1/60

- sign 0.507+/-0.034 χ^2/NDF: 7959.1/30

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -12.835+/-0.068 χ^2/NDF:130324.2/13

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

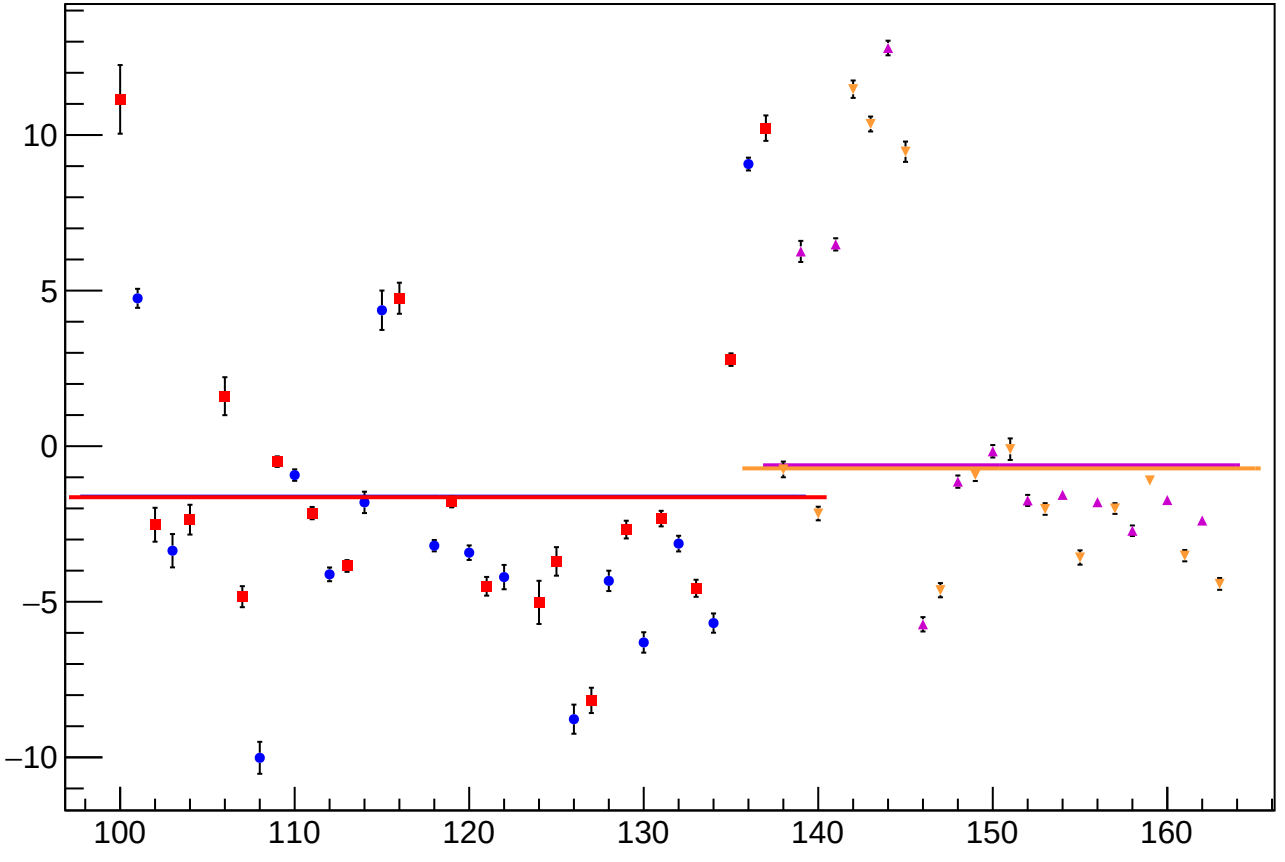
Left In: -6.837+/-0.058 χ^2/NDF:108917.5/11

+ sign -2.809+/-0.047 χ^2/NDF: 243004.5/29

All: -1.834+/-0.031 χ^2/NDF: 447757.5/60

- sign -1.074+/-0.042 χ^2/NDF: 203987.6/30

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.714+/-0.057 χ^2/NDF:6226.1/13

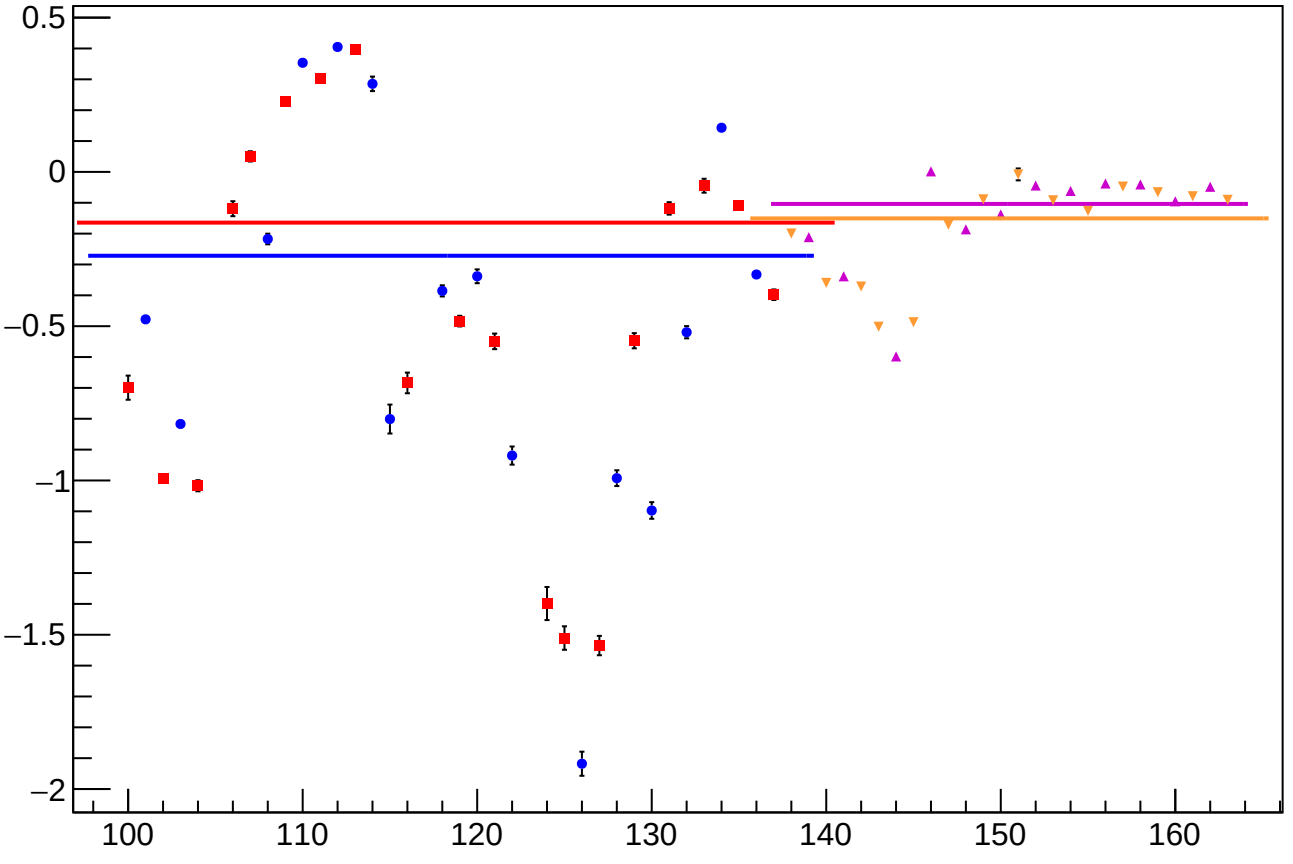
Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.615+/-0.049 χ^2/NDF:6010.7/11

+ sign -1.078+/-0.044 χ^2/NDF: 10853.2/29

All: -1.027+/-0.029 χ^2/NDF: 19489.1/60

- sign -0.988+/-0.039 χ^2/NDF: 8633.5/30



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.151+/-0.003 χ^2/NDF:2850.9/13

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

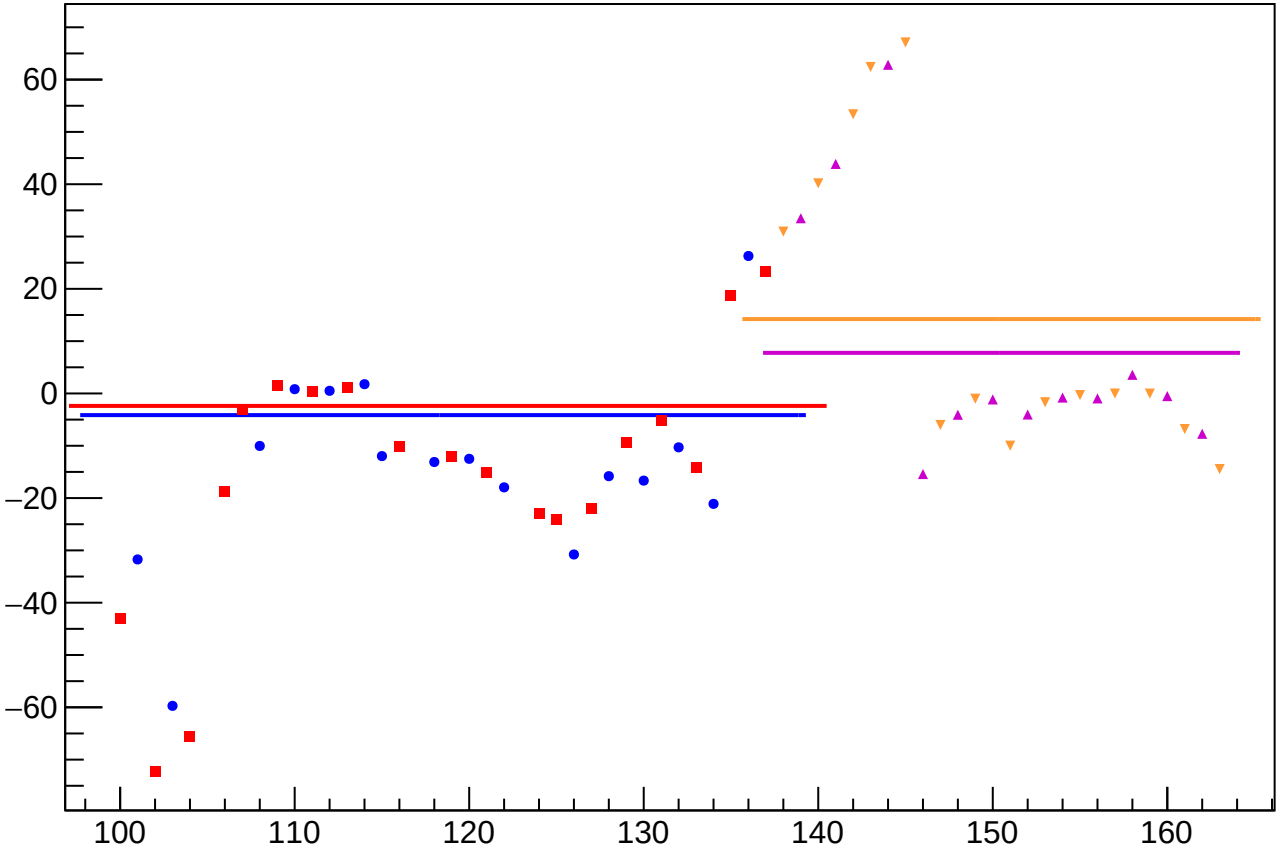
Left In: -0.104+/-0.002 χ^2/NDF:2986.4/11

+ sign -0.183+/-0.002 χ^2/NDF: 15521.8/29

All: -0.145+/-0.001 χ^2/NDF: 34736.8/60

- sign -0.118+/-0.002 χ^2/NDF: 18679.0/30

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 14.218+/-0.070 χ^2/NDF:130650.2/13

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

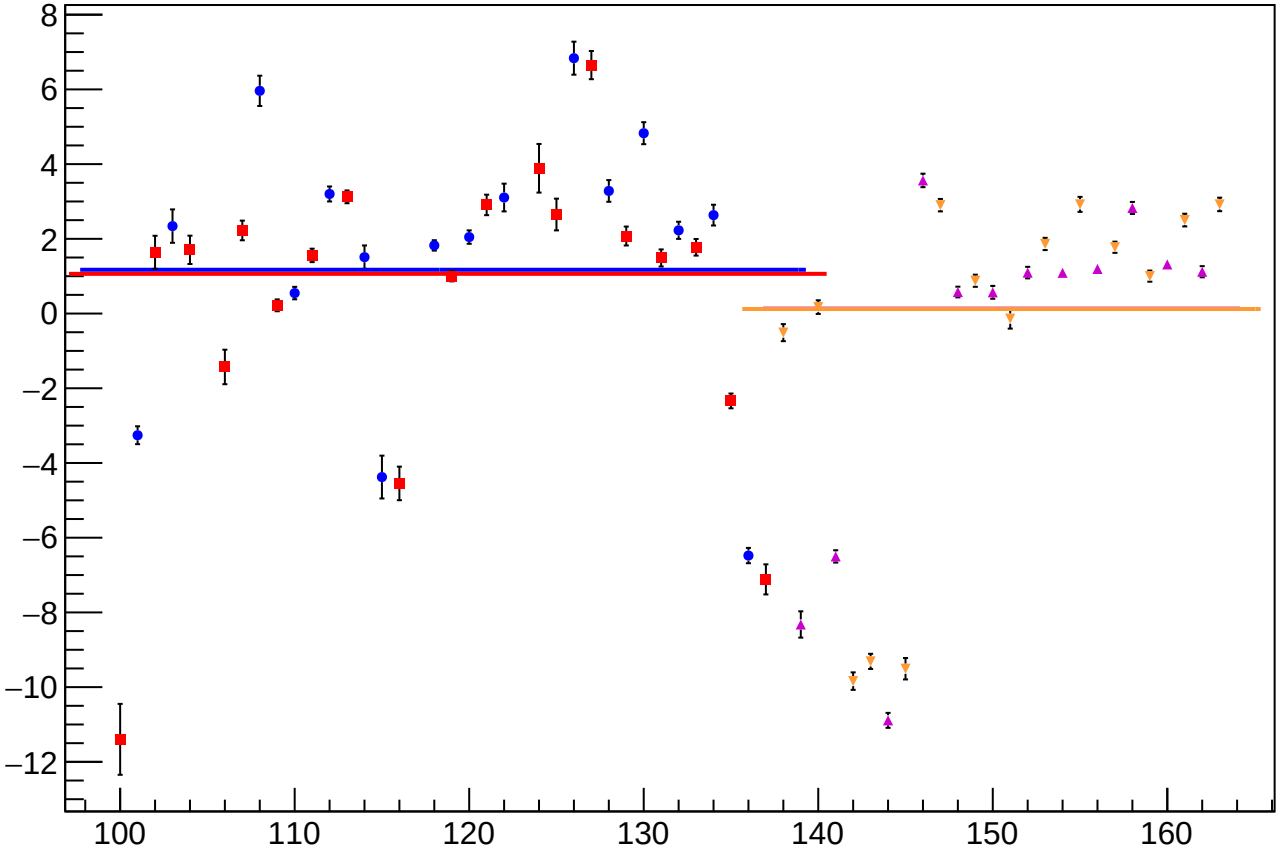
Left In: 7.764+/-0.061 χ^2/NDF:109383.6/11

+ sign 2.777+/-0.043 χ^2/NDF: 248878.1/29

All: 1.910+/-0.028 χ^2/NDF: 457288.4/60

- sign 1.277+/-0.037 χ^2/NDF: 207703.2/30

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.122+/-0.050 χ^2/NDF:6306.4/13

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

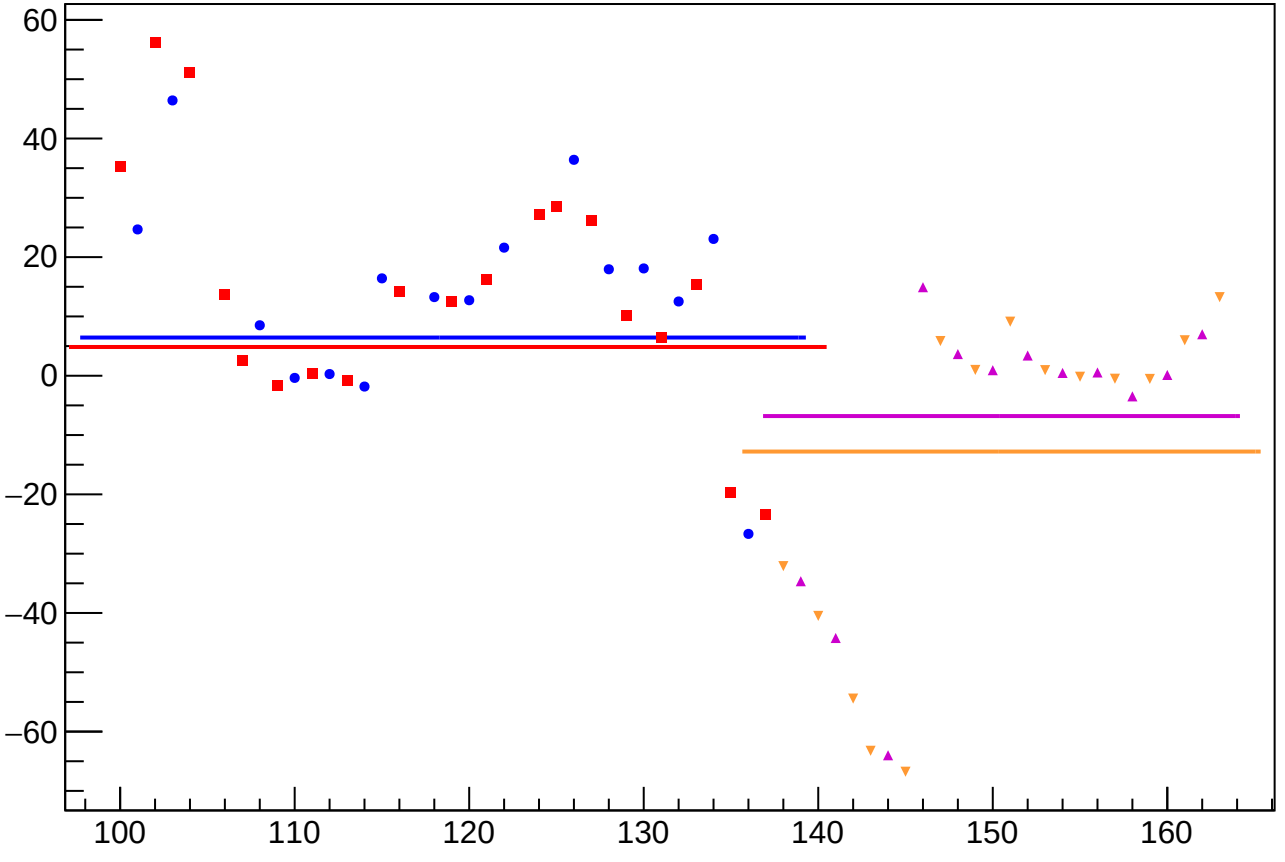
Left In: 0.132+/-0.043 χ^2/NDF:6218.9/11

+ sign 0.547+/-0.038 χ^2/NDF: 9072.7/29

All: 0.502+/-0.025 χ^2/NDF: 17061.7/60

- sign 0.467+/-0.034 χ^2/NDF: 7986.6/30

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -12.782+/-0.068 χ^2/NDF:130080.7/13

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

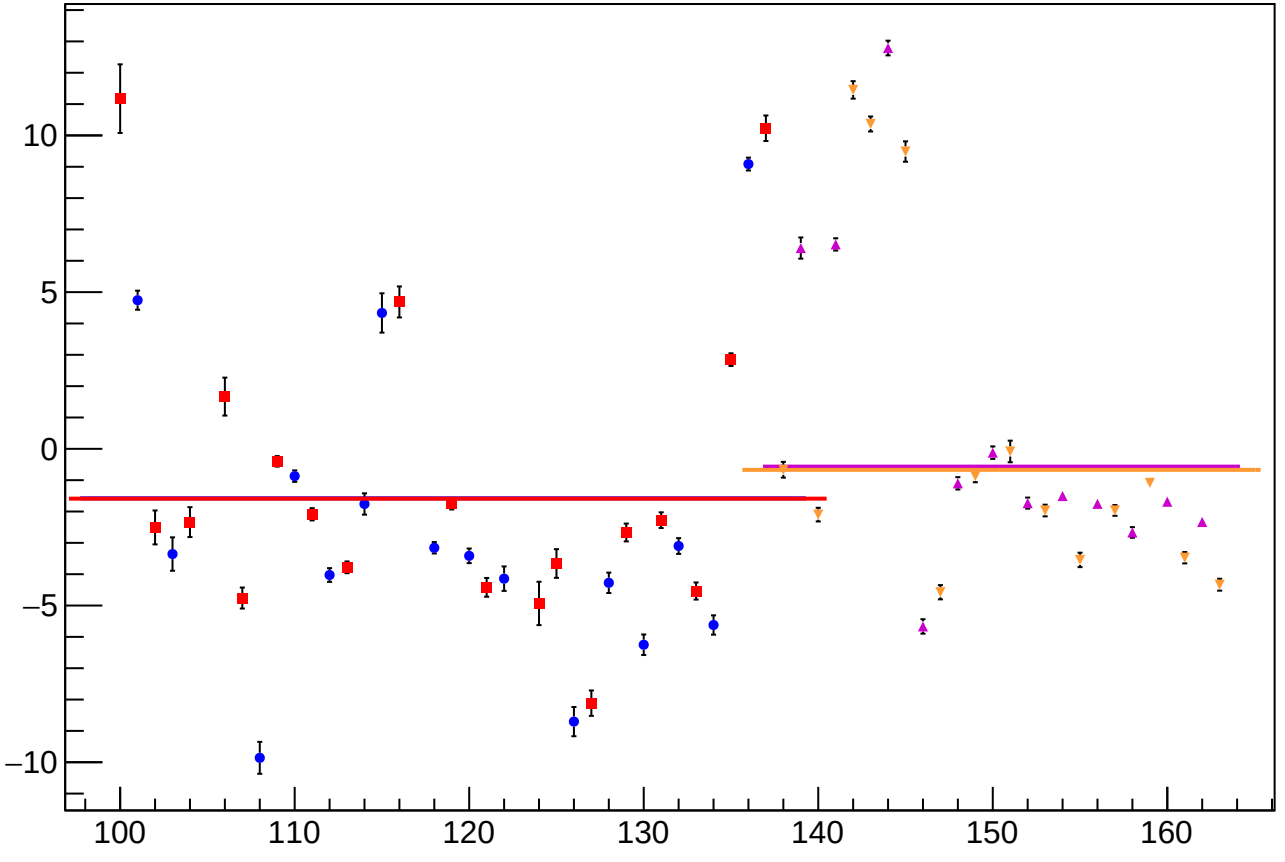
Left In: -6.799+/-0.058 χ^2/NDF:108829.0/11

+ sign -2.767+/-0.047 χ^2/NDF: 242803.9/29

All: -1.797+/-0.031 χ^2/NDF: 447375.2/60

- sign -1.039+/-0.041 χ^2/NDF: 203806.0/30

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.671+/-0.057 χ^2/NDF:6220.8/13

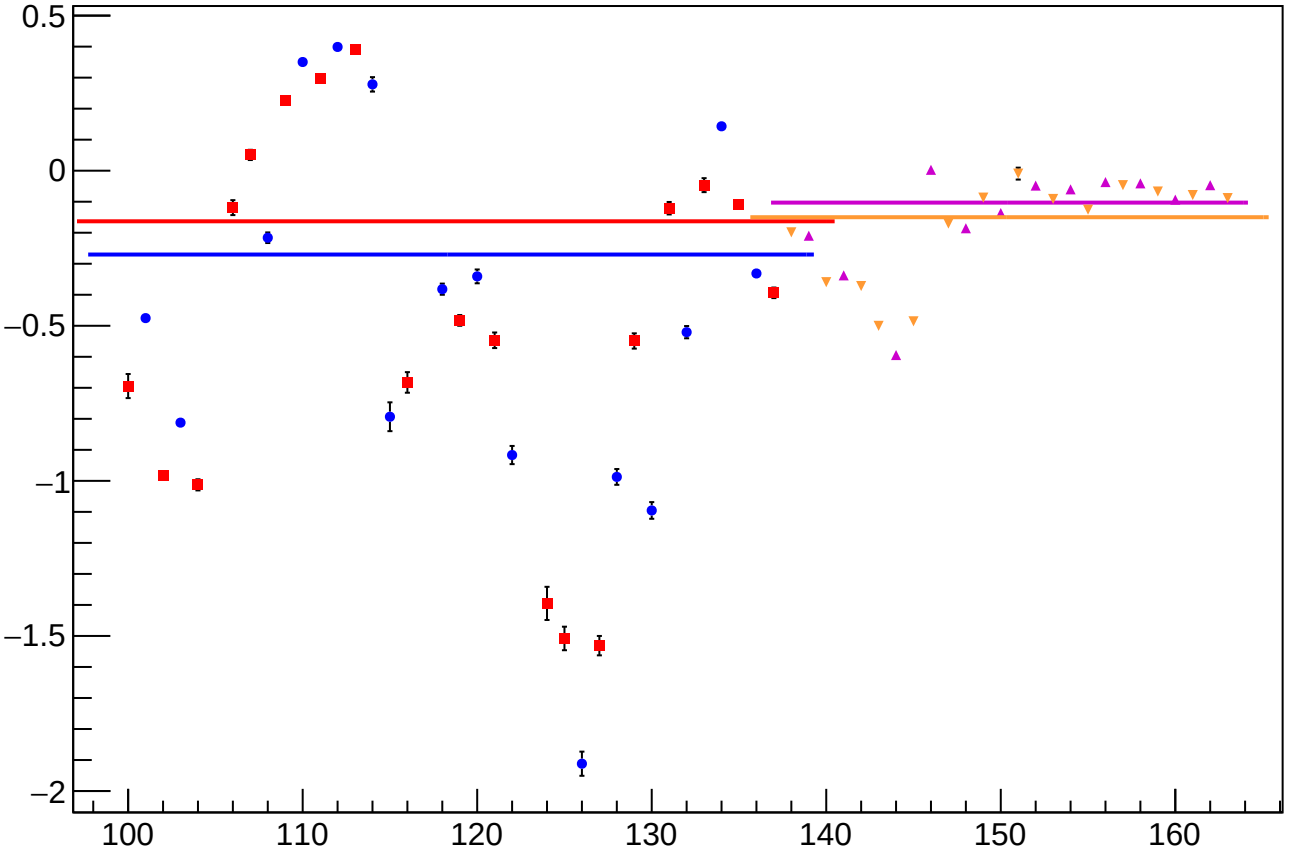
Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.568+/-0.049 χ^2/NDF:6027.9/11

+ sign -1.036+/-0.044 χ^2/NDF: 10848.1/29

All: -0.982+/-0.029 χ^2/NDF: 19511.6/60

- sign -0.940+/-0.039 χ^2/NDF: 8660.8/30



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.150+/-0.002 χ^2/NDF:2863.6/13

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

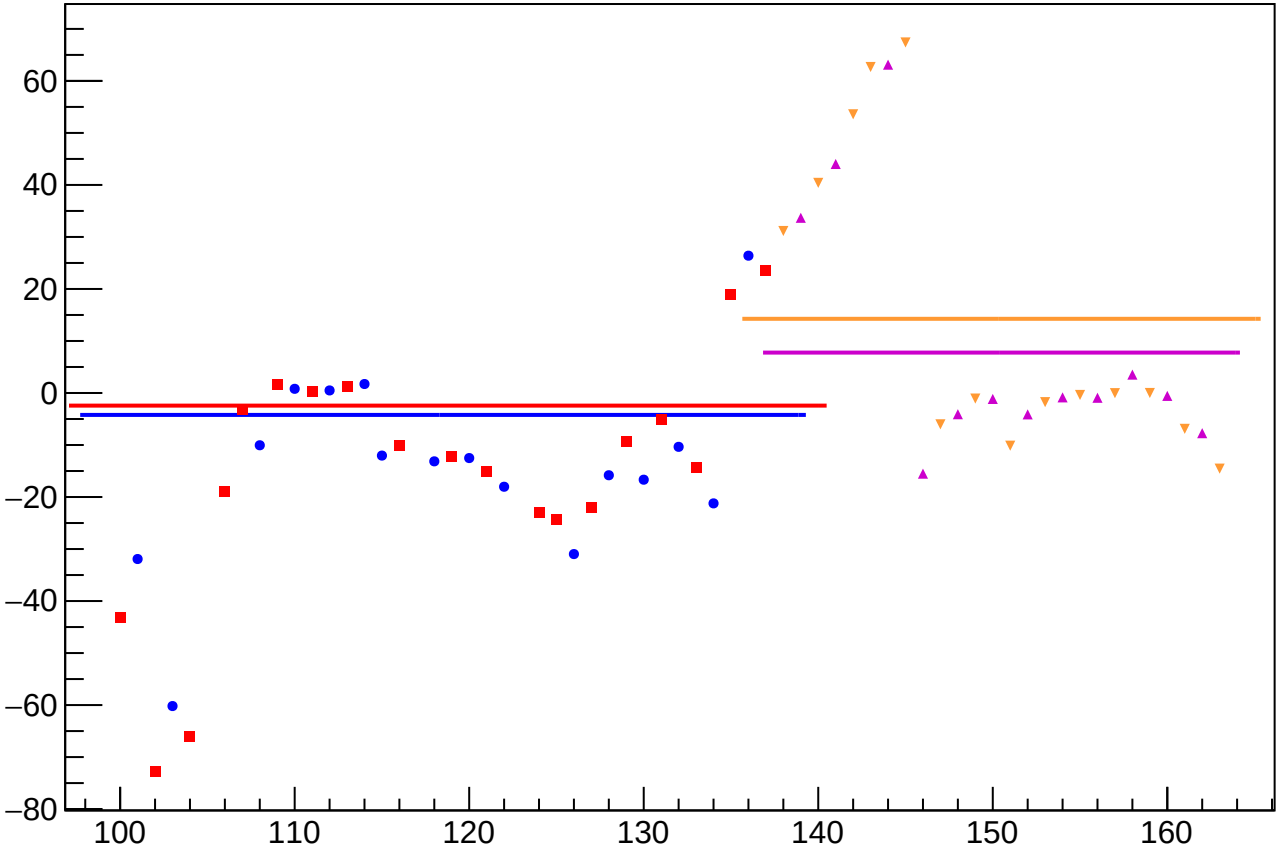
Left In: -0.103+/-0.002 χ^2/NDF:2975.7/11

+ sign -0.182+/-0.002 χ^2/NDF: 15520.4/29

All: -0.144+/-0.001 χ^2/NDF: 34742.5/60

- sign -0.117+/-0.002 χ^2/NDF: 18680.9/30

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 14.263+/-0.070 χ^2/NDF:130978.8/13

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

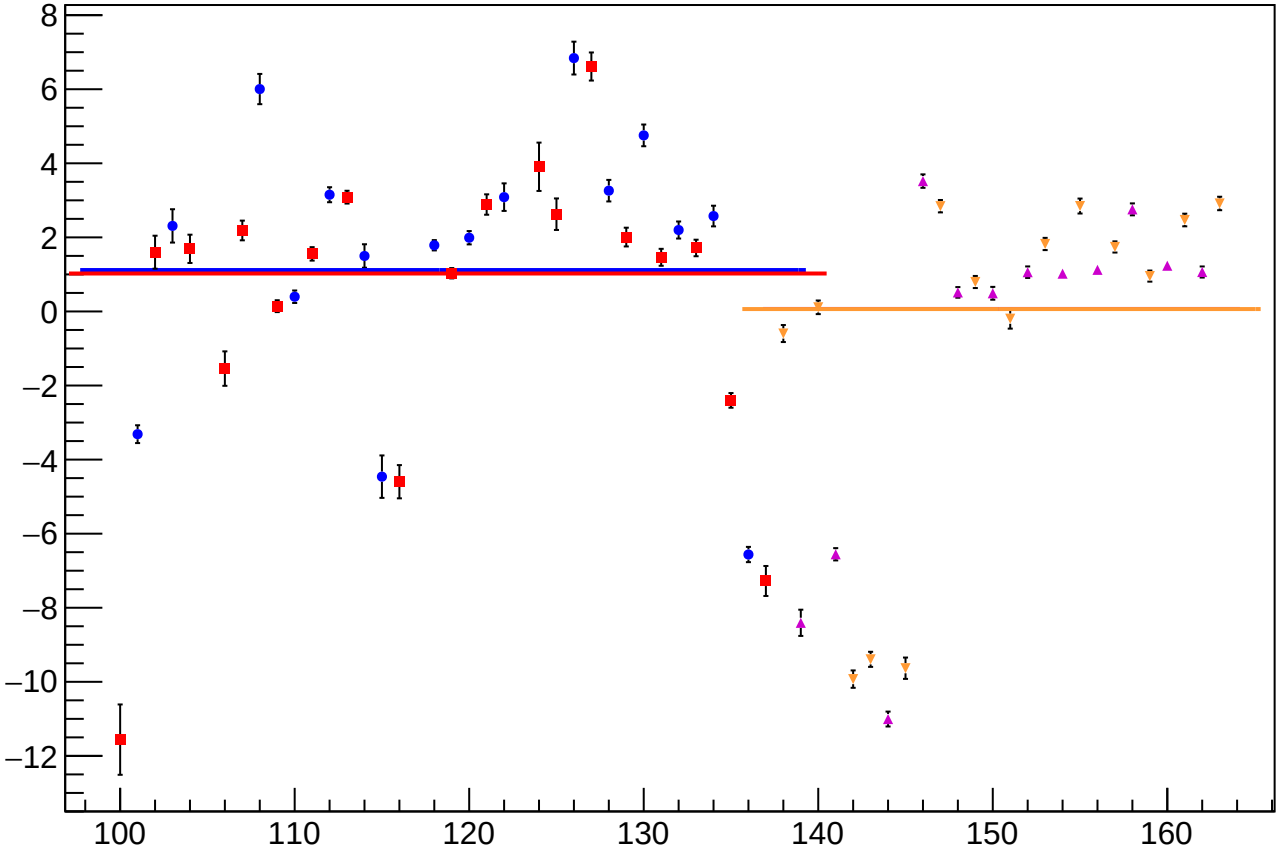
Left In: 7.767+/-0.061 χ^2/NDF:109533.8/11

+ sign 2.769+/-0.043 χ^2/NDF: 249300.0/29

All: 1.900+/-0.028 χ^2/NDF: 457913.0/60

- sign 1.266+/-0.037 χ^2/NDF: 207912.0/30

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.065+/-0.050 χ^2/NDF:6312.0/13

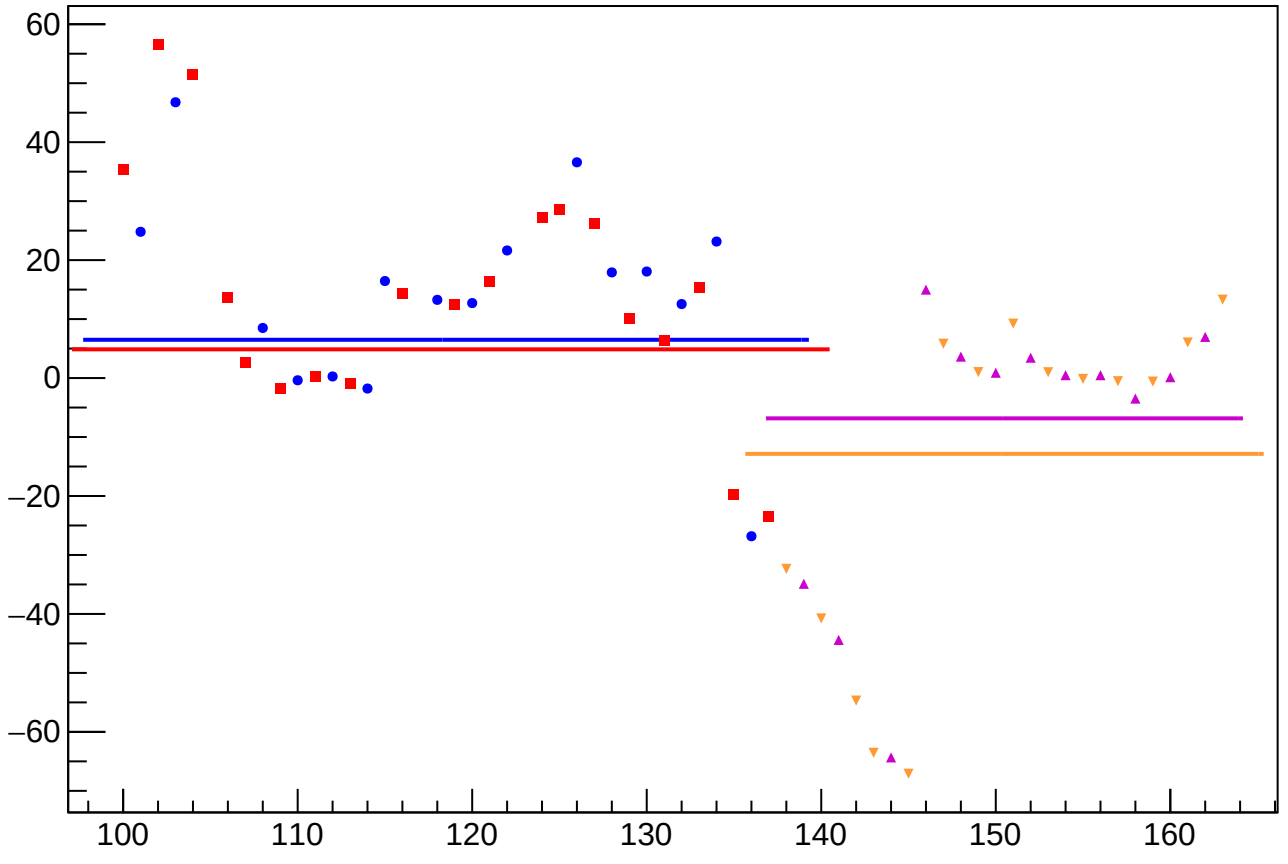
Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.067+/-0.043 χ^2/NDF:6195.5/11

+ sign 0.490+/-0.038 χ^2/NDF: 9084.9/29

All: 0.446+/-0.026 χ^2/NDF: 17074.2/60

- sign 0.411+/-0.034 χ^2/NDF: 7986.9/30



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -12.854+/-0.068 χ^2/NDF:130421.8/13

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

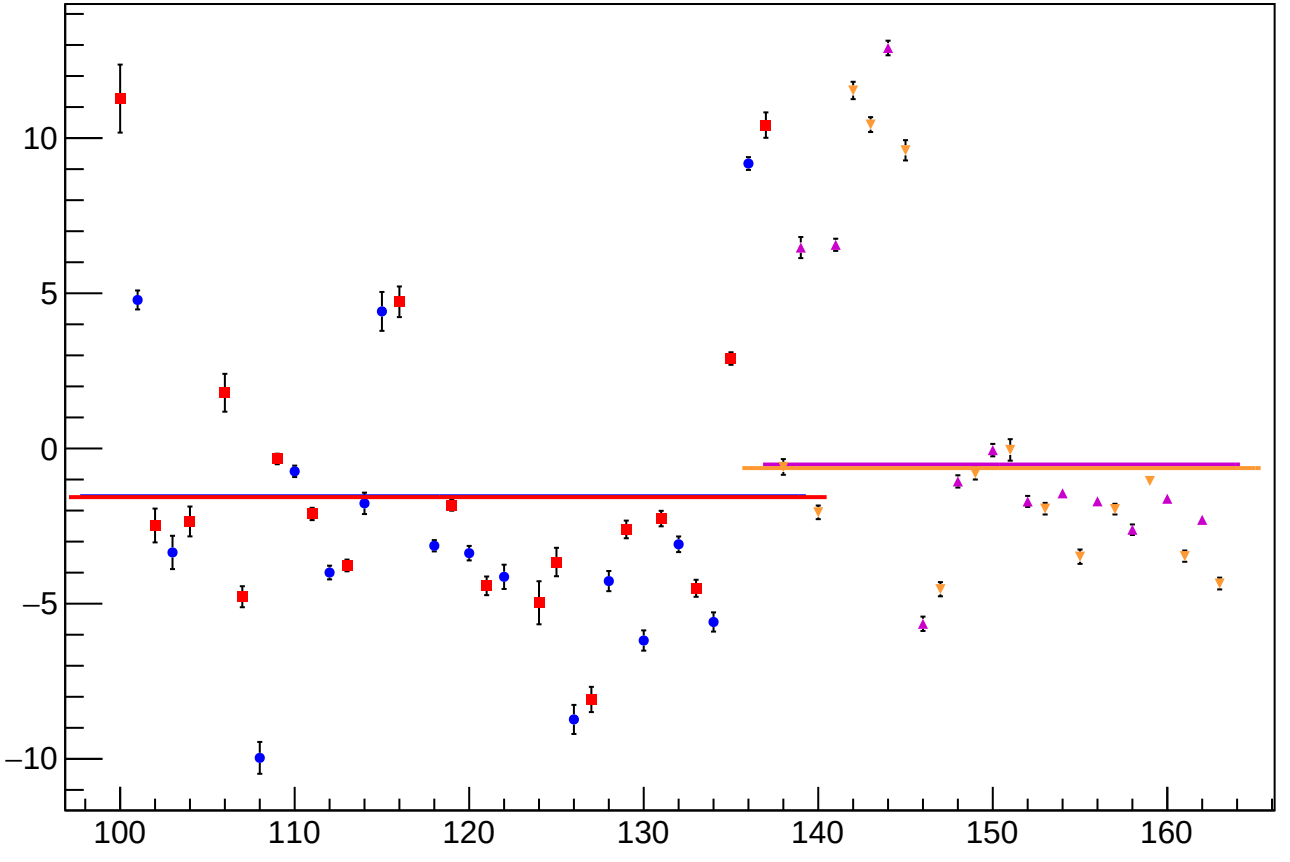
Left In: -6.835+/-0.058 χ^2/NDF:108979.9/11

+ sign -2.790+/-0.047 χ^2/NDF: 243255.4/29

All: -1.821+/-0.031 χ^2/NDF: 448073.6/60

- sign -1.064+/-0.042 χ^2/NDF: 204062.2/30

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.632+/-0.057 χ^2/NDF:6231.8/13

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

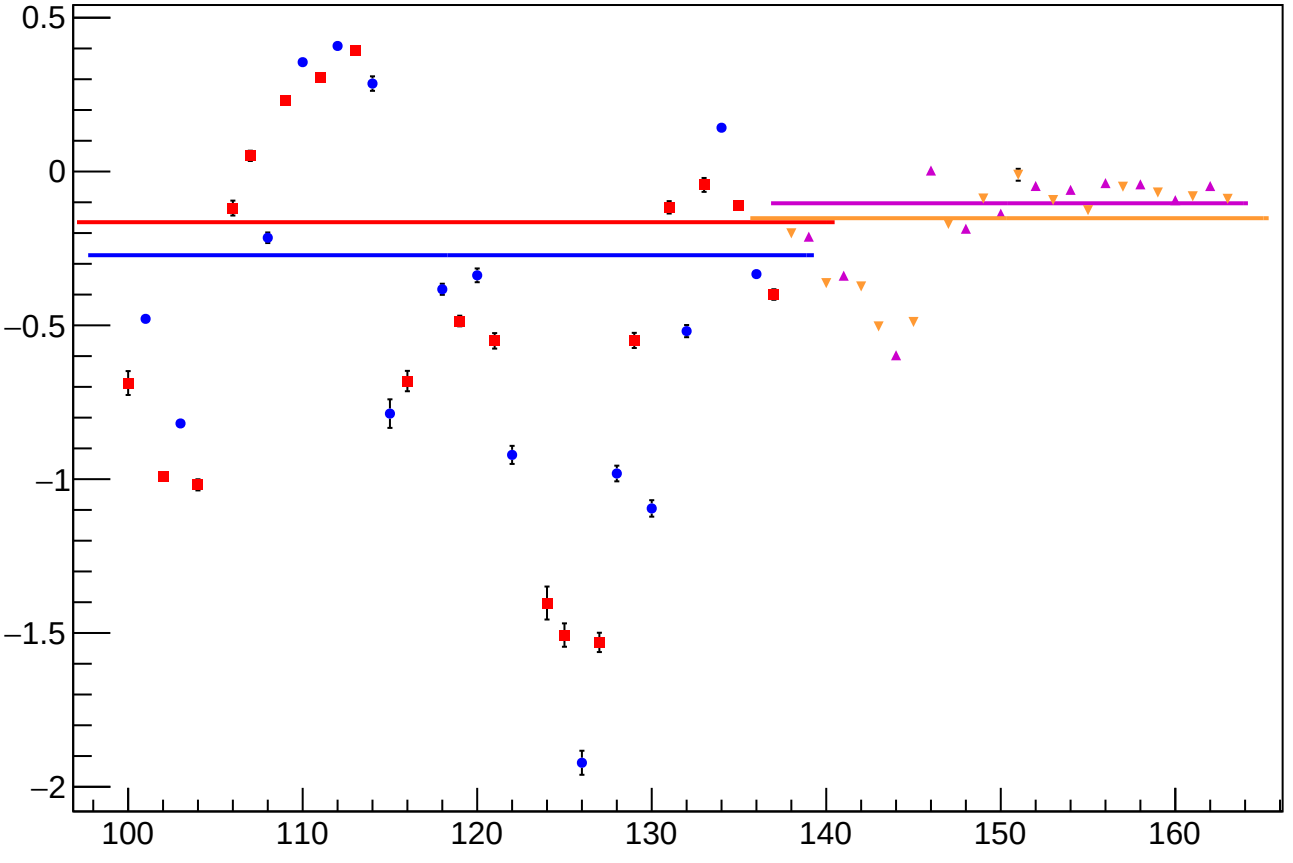
Left In: -0.517+/-0.049 χ^2/NDF:6013.1/11

+ sign -0.997+/-0.044 χ^2/NDF: 10869.6/29

All: -0.942+/-0.029 χ^2/NDF: 19550.5/60

- sign -0.899+/-0.039 χ^2/NDF: 8678.2/30

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.152+/-0.003 χ^2/NDF:2862.0/13

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

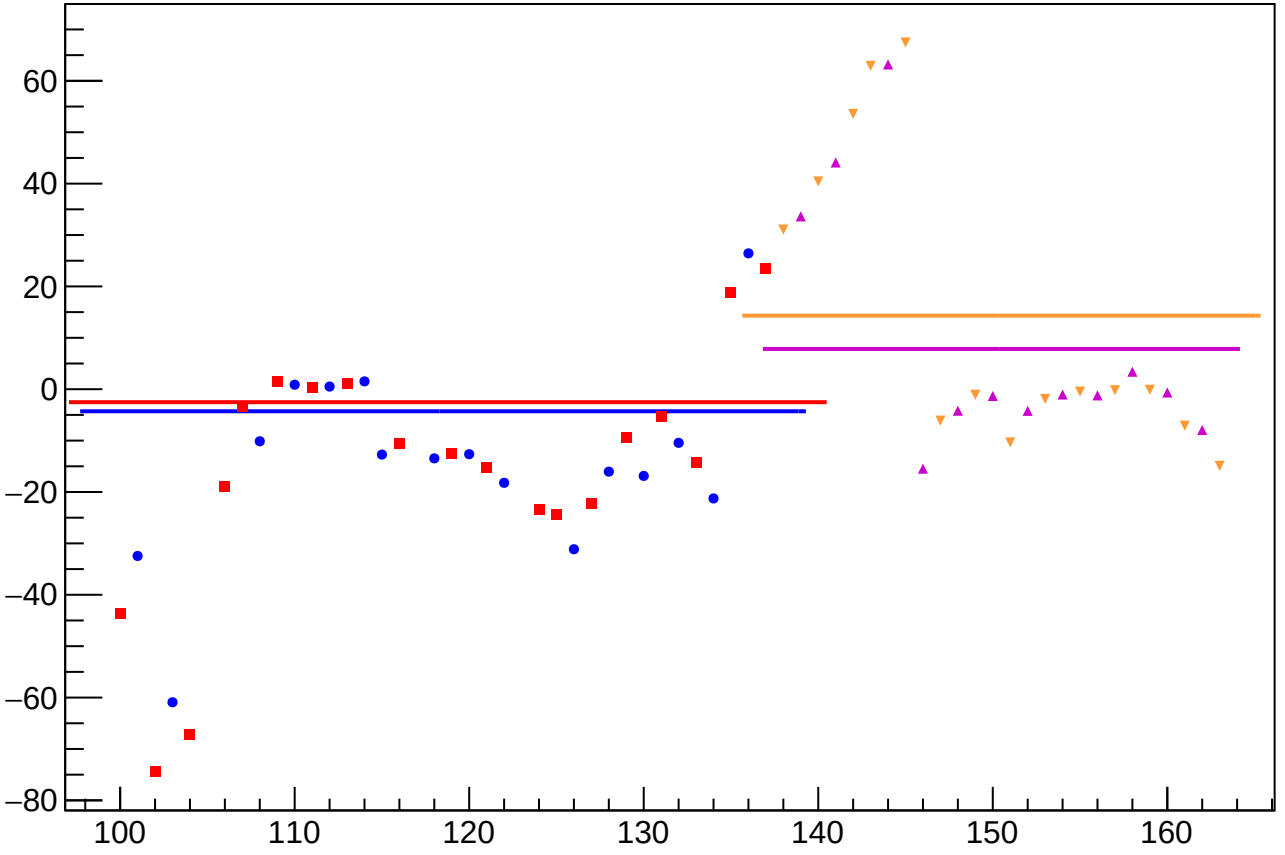
Left In: -0.103+/-0.002 χ^2/NDF:2981.8/11

+ sign -0.184+/-0.002 χ^2/NDF: 15539.9/29

All: -0.145+/-0.001 χ^2/NDF: 34768.7/60

- sign -0.117+/-0.002 χ^2/NDF: 18673.5/30

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 14.321+/-0.071 χ^2/NDF:129221.8/13

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

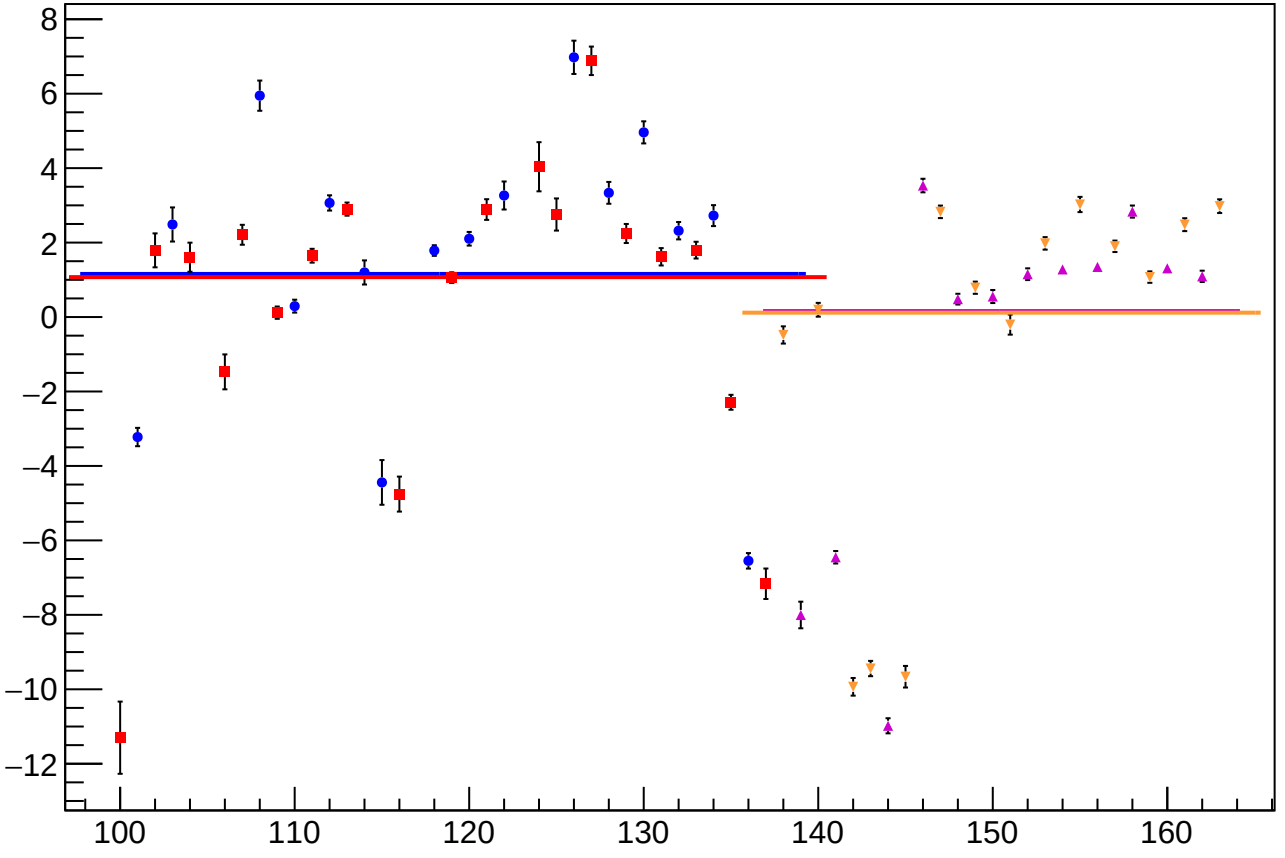
Left In: 7.835+/-0.063 χ^2/NDF:107712.8/11

+ sign 2.785+/-0.044 χ^2/NDF: 245873.9/29

All: 1.894+/-0.029 χ^2/NDF: 451654.1/60

- sign 1.237+/-0.038 χ^2/NDF: 205063.9/30

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.117+/-0.050 χ^2/NDF:6296.3/13

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

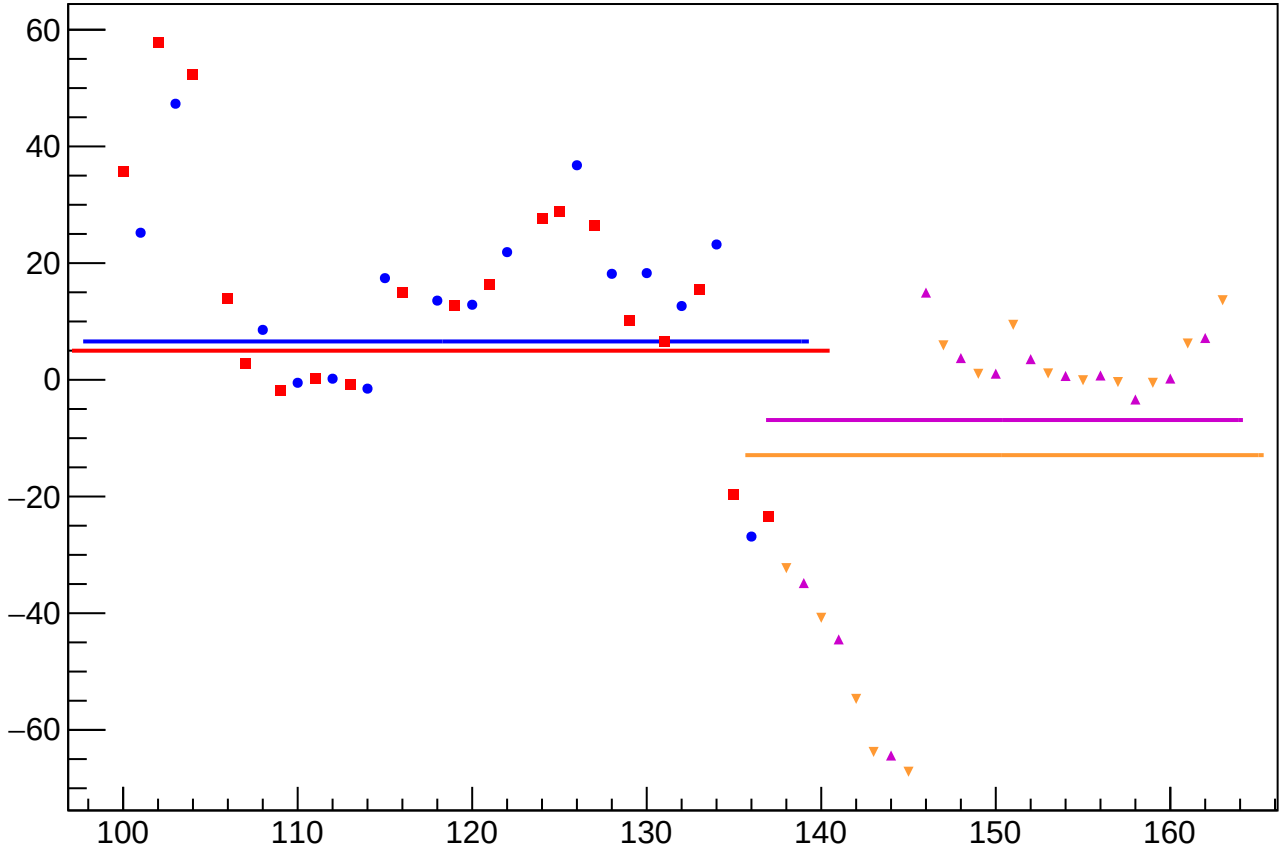
Left In: 0.160+/-0.044 χ^2/NDF:6076.2/11

+ sign 0.535+/-0.039 χ^2/NDF: 9017.3/29

All: 0.509+/-0.026 χ^2/NDF: 16802.3/60

- sign 0.488+/-0.035 χ^2/NDF: 7784.2/30

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -12.908+/-0.069 χ^2/NDF:128641.8/13

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

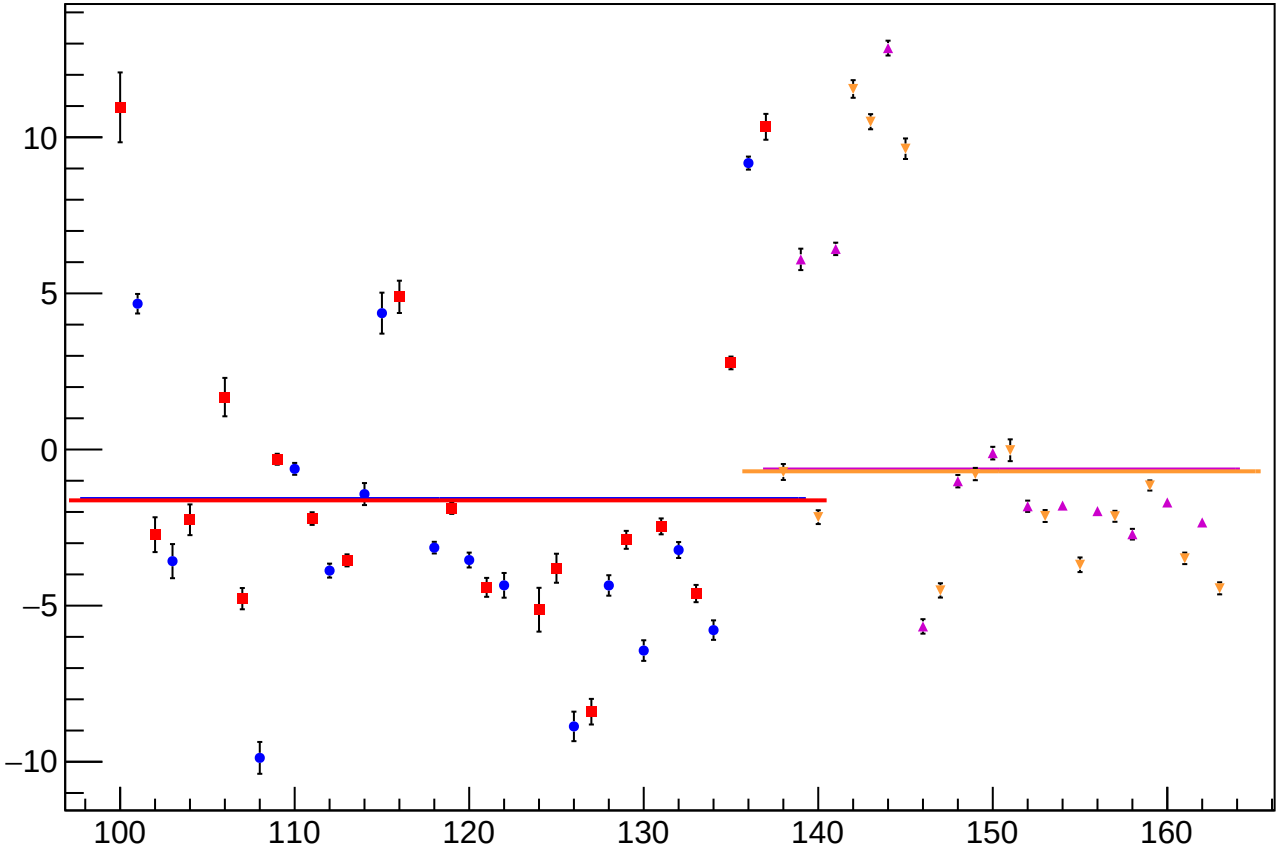
Left In: -6.890+/-0.060 χ^2/NDF:107171.1/11

\+ sign -2.810+/-0.048 χ^2/NDF: 239872.5/29

All: -1.813+/-0.032 χ^2/NDF: 441870.7/60

\- sign -1.026+/-0.042 χ^2/NDF: 201219.1/30

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.698+/-0.058 χ^2/NDF:6218.3/13

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

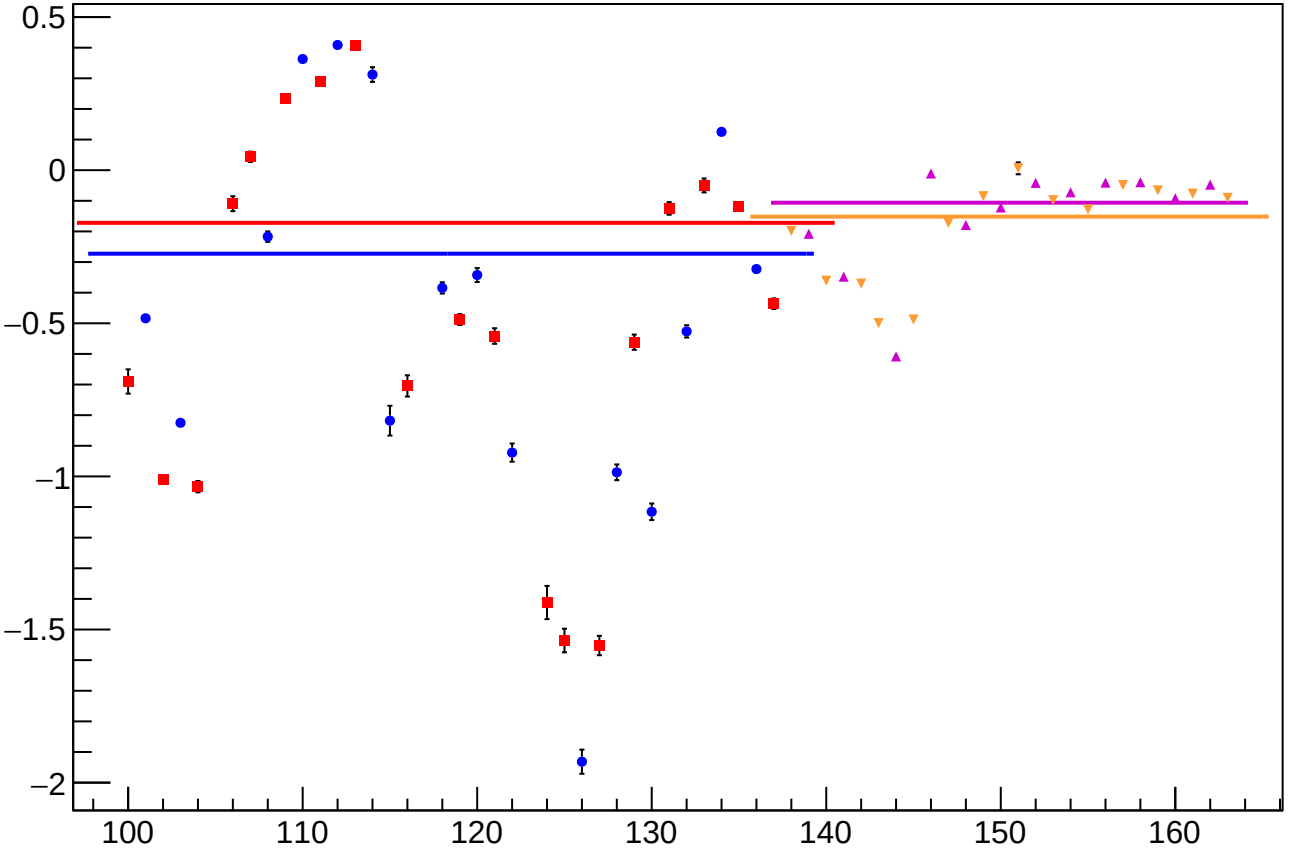
Left In: -0.640+/-0.050 χ^2/NDF:5900.6/11

+ sign -1.053+/-0.045 χ^2/NDF: 10785.2/29

All: -1.024+/-0.030 χ^2/NDF: 19251.9/60

- sign -1.001+/-0.040 χ^2/NDF: 8465.9/30

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.152+/-0.003 χ^2/NDF:2777.0/13

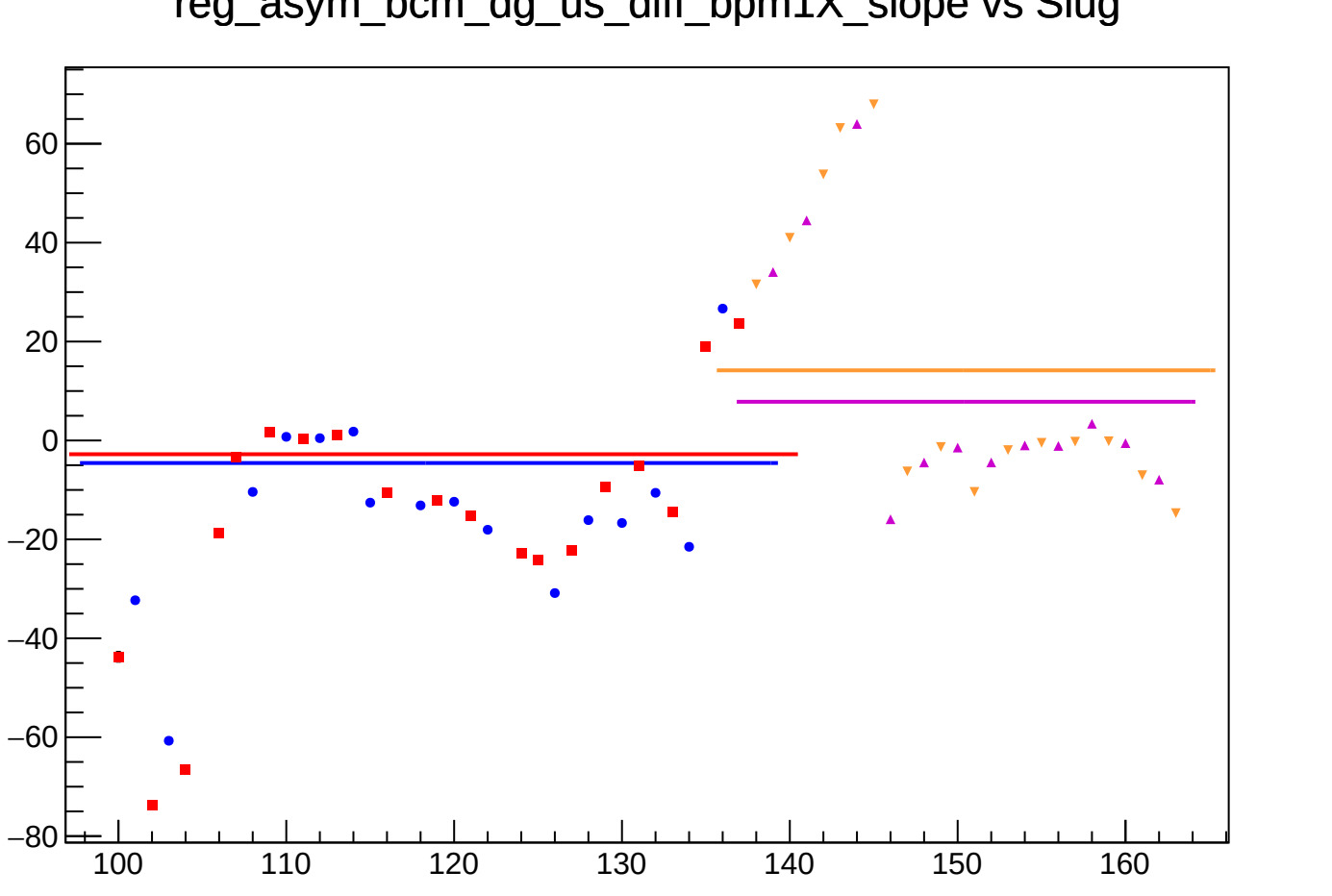
Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.106+/-0.002 χ^2/NDF:2941.0/11

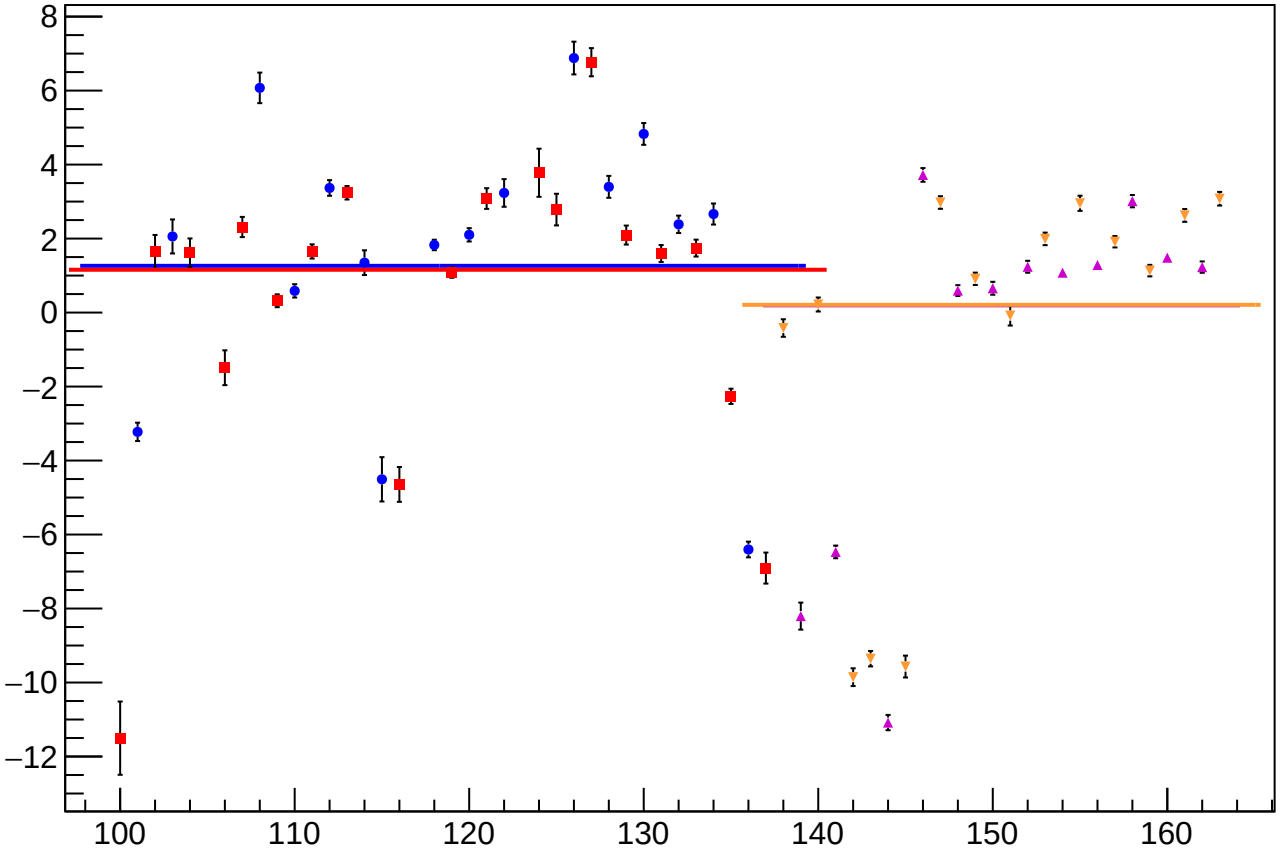
+ sign -0.184+/-0.002 χ^2/NDF: 15236.1/29

All: -0.148+/-0.001 χ^2/NDF: 34193.2/60

- sign -0.122+/-0.002 χ^2/NDF: 18484.7/30


reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -4.557+/-0.057 χ²/NDF: 72635.2/15
Left Out: 14.180+/-0.072 χ²/NDF:127845.1/13
Right Out: -2.780+/-0.049 χ²/NDF: 77905.3/18
Left In: 7.828+/-0.064 χ²/NDF:106495.8/11
+ sign 2.635+/-0.045 χ²/NDF: 242244.0/29
All: 1.771+/-0.029 χ²/NDF: 444908.7/60
- sign 1.126+/-0.039 χ²/NDF: 202010.0/30

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.209+/-0.051 χ^2/NDF:6128.1/13

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

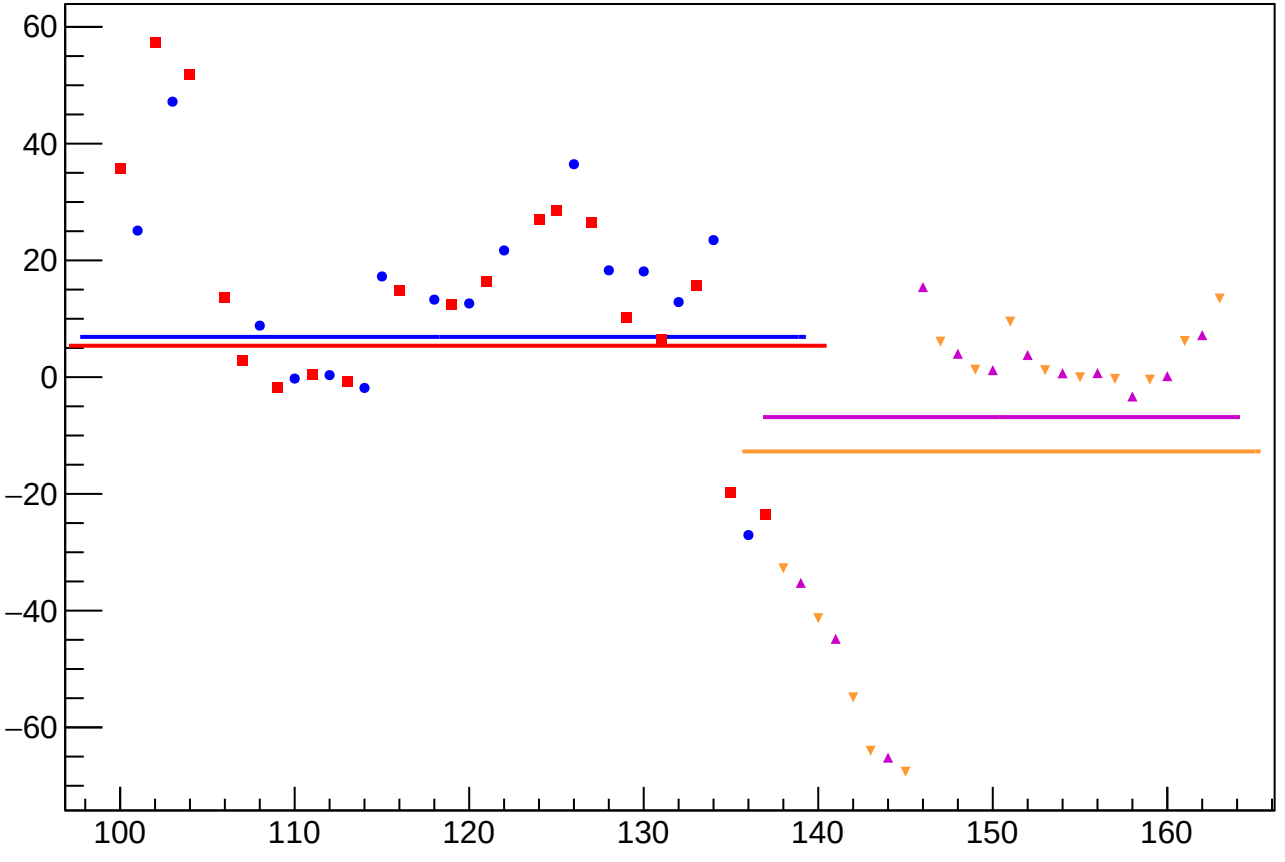
Left In: 0.195+/-0.044 χ^2/NDF:6025.4/11

+ sign 0.633+/-0.039 χ^2/NDF: 8744.4/29

All: 0.583+/-0.026 χ^2/NDF: 16432.6/60

- sign 0.542+/-0.035 χ^2/NDF: 7685.3/30

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -12.725+/-0.070 χ^2/NDF:127123.1/13

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

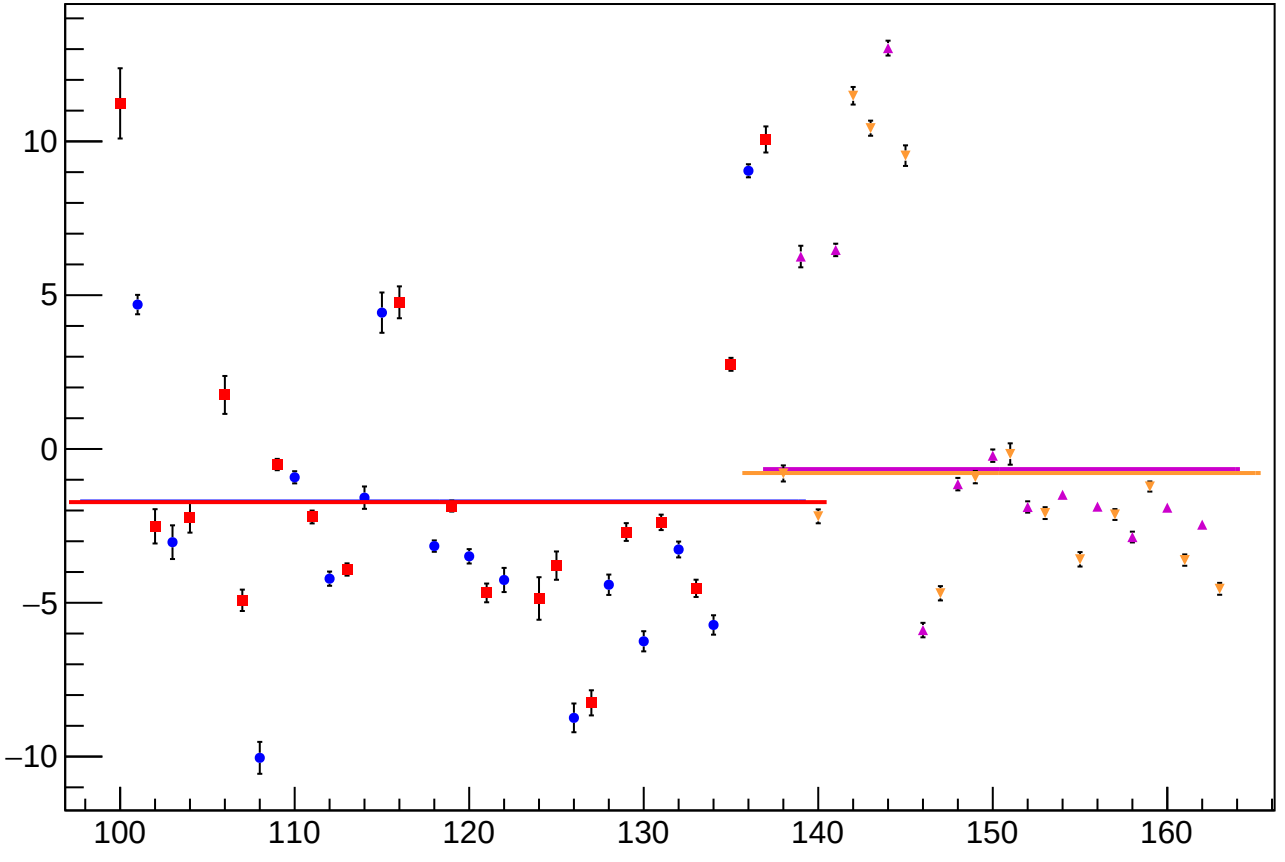
Left In: -6.842+/-0.061 χ^2/NDF:105922.2/11

+ sign -2.592+/-0.048 χ^2/NDF: 236189.1/29

All: -1.618+/-0.032 χ^2/NDF: 435056.5/60

- sign -0.841+/-0.043 χ^2/NDF: 198139.8/30

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.782+/-0.058 χ^2/NDF:6061.4/13

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

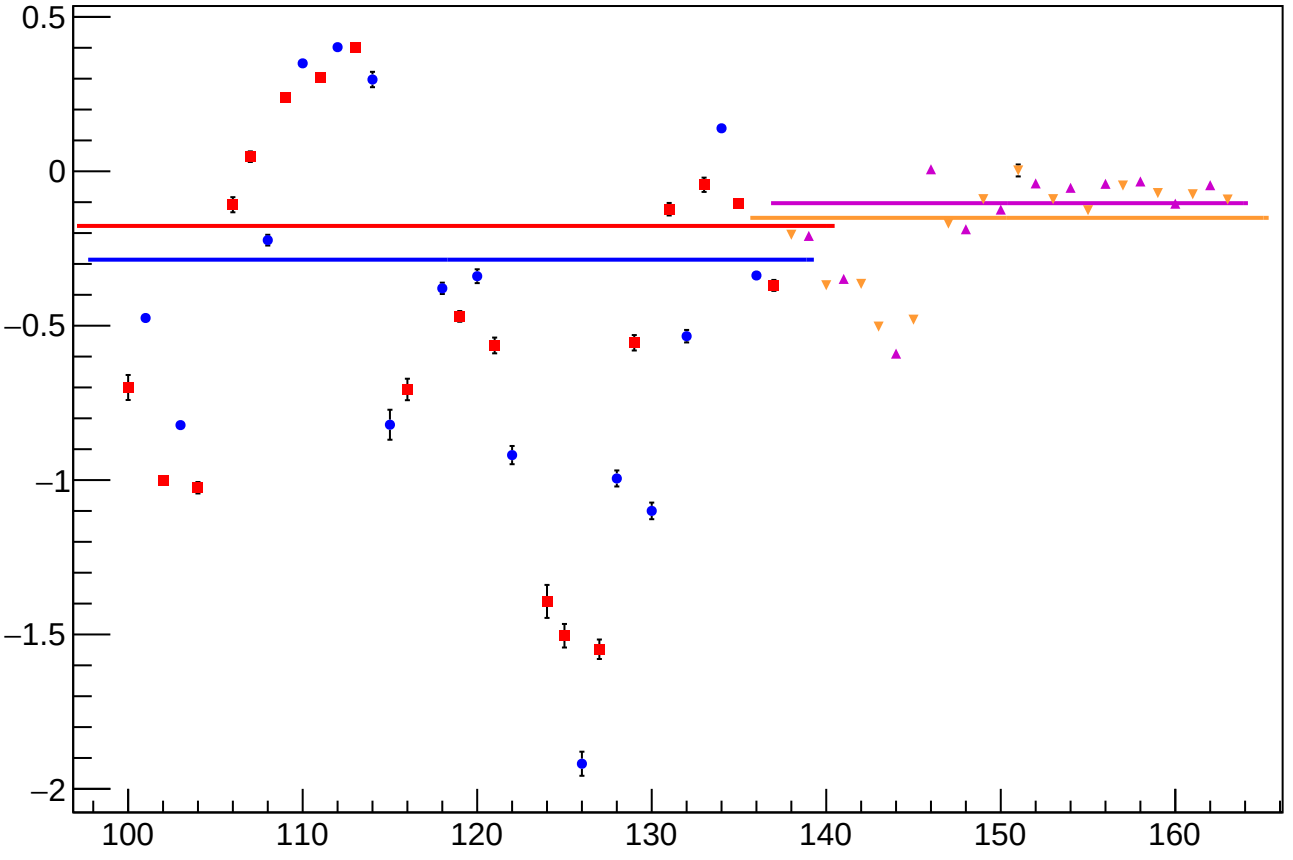
Left In: -0.654+/-0.051 χ^2/NDF:5869.2/11

+ sign -1.152+/-0.045 χ^2/NDF: 10451.7/29

All: -1.093+/-0.030 χ^2/NDF: 18797.3/60

- sign -1.046+/-0.040 χ^2/NDF: 8342.5/30

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.151+/-0.003 χ^2/NDF:2737.0/13

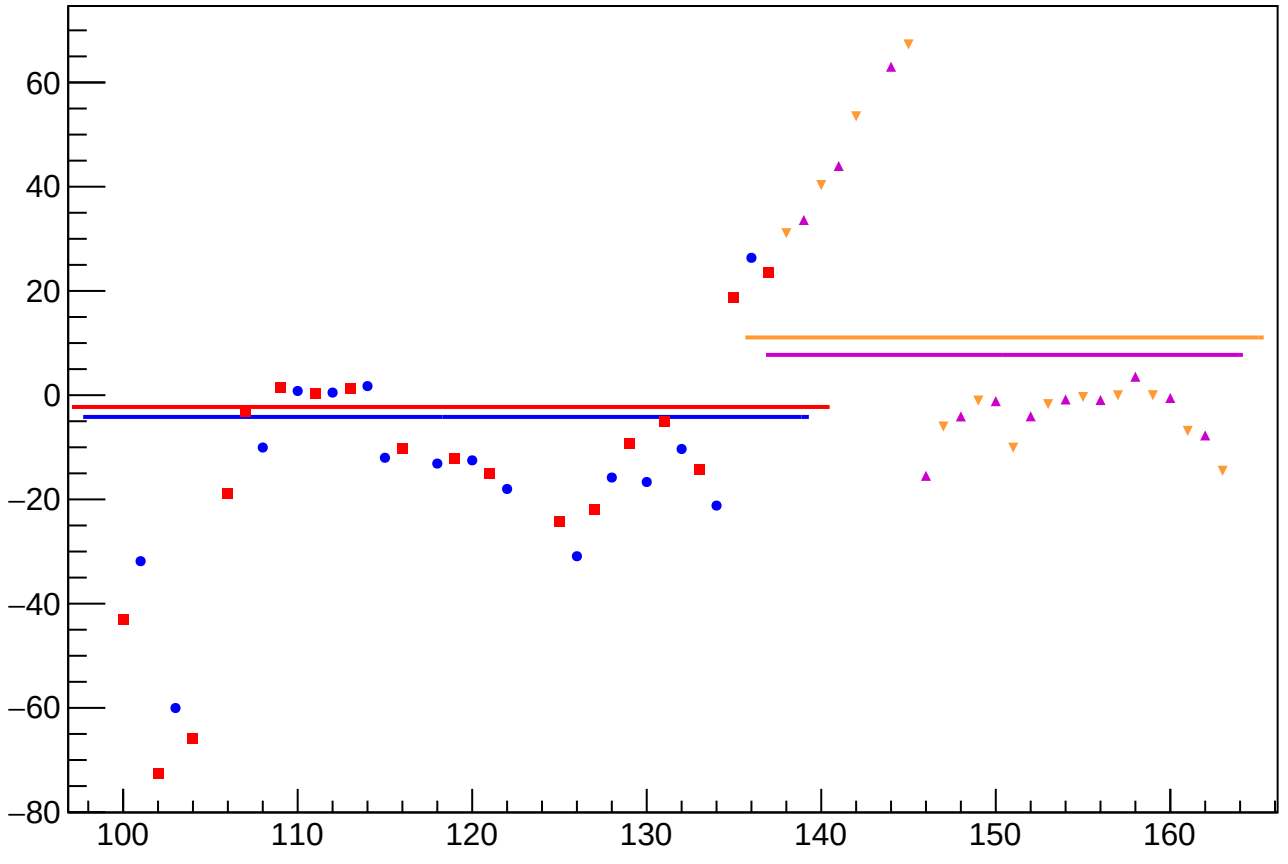
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.103+/-0.002 χ^2/NDF:2851.0/11

+ sign -0.187+/-0.002 χ^2/NDF: 14834.4/29

All: -0.149+/-0.001 χ^2/NDF: 33241.6/60

- sign -0.120+/-0.002 χ^2/NDF: 17886.3/30



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 11.072+/-0.072 χ^2/NDF:100036.2/12

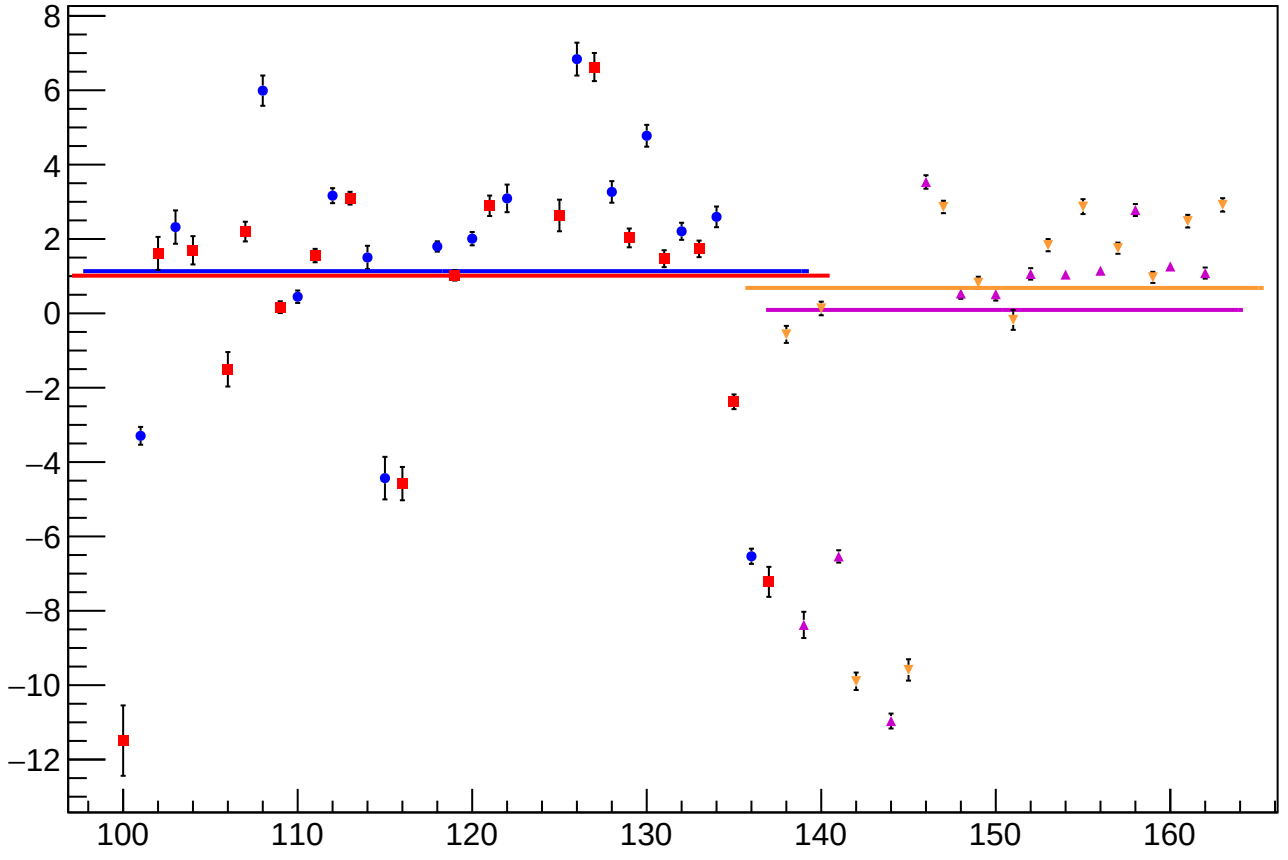
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 7.732+/-0.061 χ^2/NDF:109780.2/11

+ sign 1.353+/-0.043 χ^2/NDF: 203847.9/28

All: 1.360+/-0.028 χ^2/NDF: 410347.8/58

- sign 1.365+/-0.037 χ^2/NDF: 206499.9/29



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.684+/-0.051 χ^2/NDF:4020.6/12

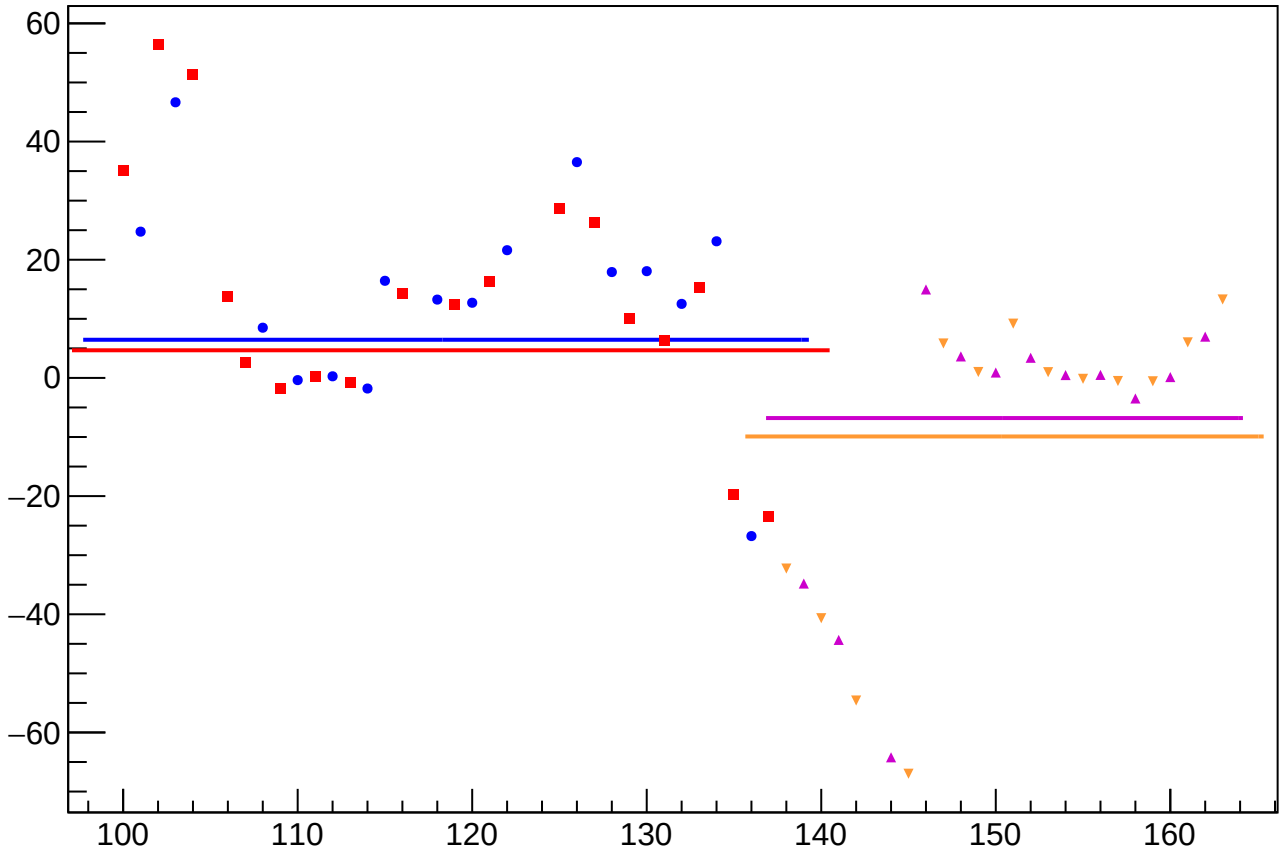
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.092+/-0.043 χ^2/NDF:6216.9/11

+ sign 0.873+/-0.039 χ^2/NDF: 6648.9/28

All: 0.618+/-0.026 χ^2/NDF: 14702.0/58

- sign 0.421+/-0.034 χ^2/NDF: 7977.0/29



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -9.909+/-0.070 χ^2/NDF:98577.5/12

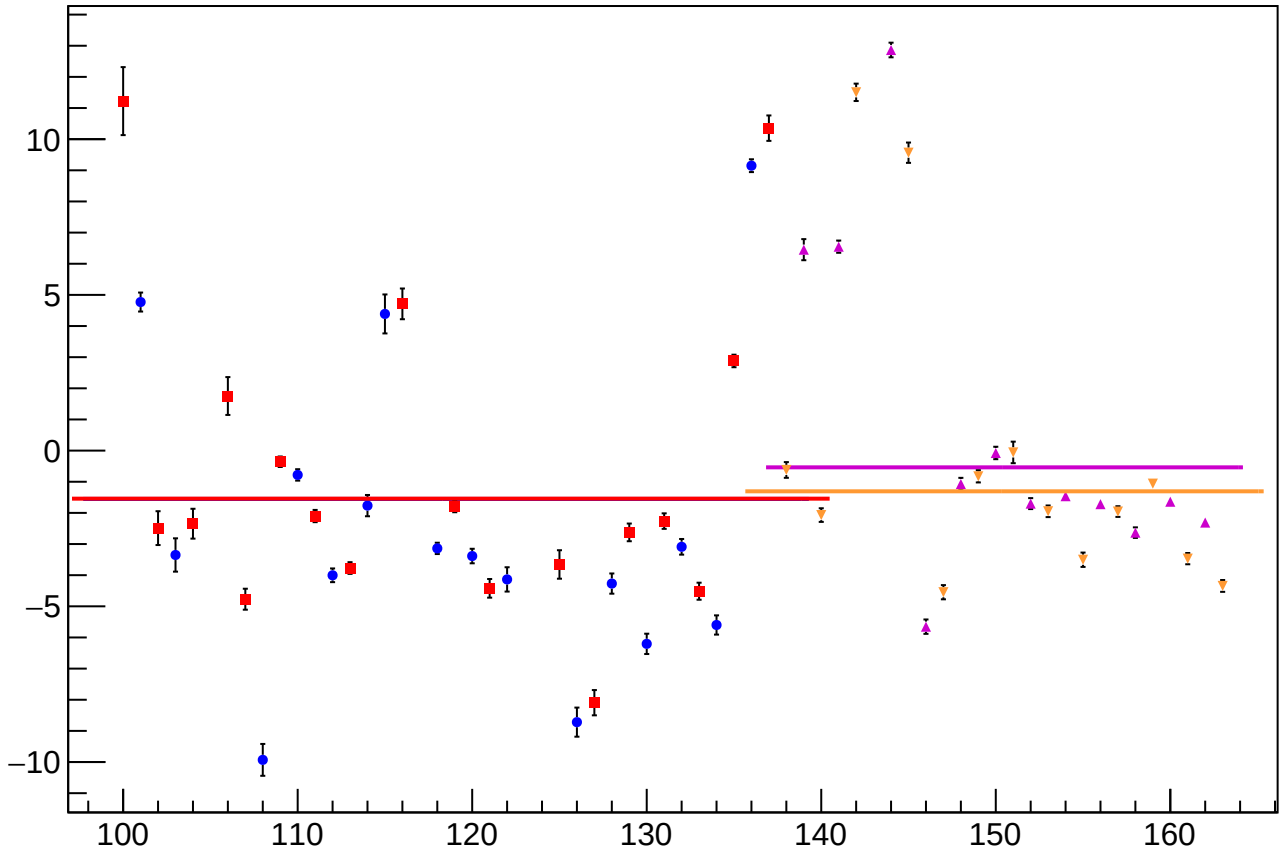
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -6.793+/-0.058 χ^2/NDF:109212.6/11

+ sign -1.162+/-0.047 χ^2/NDF: 198923.1/28

All: -1.156+/-0.031 χ^2/NDF: 401698.9/58

- sign -1.152+/-0.041 χ^2/NDF: 202775.8/29



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.307+/-0.058 χ^2/NDF:3977.6/12

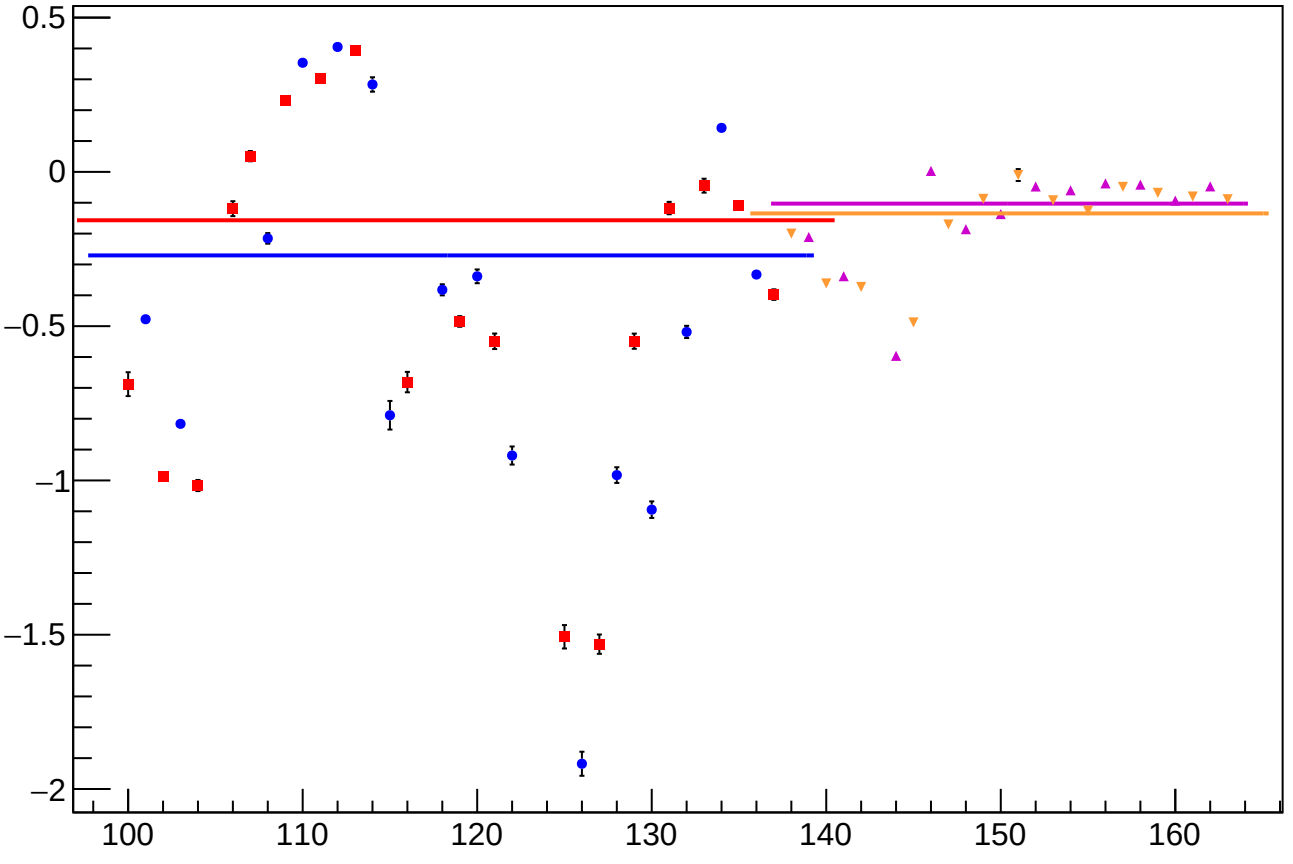
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.538+/-0.049 χ^2/NDF:6030.7/11

+ sign -1.409+/-0.045 χ^2/NDF: 8528.4/28

All: -1.120+/-0.029 χ^2/NDF: 17260.3/58

- sign -0.901+/-0.039 χ^2/NDF: 8658.4/29



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.135+/-0.003 χ^2/NDF:1948.0/12

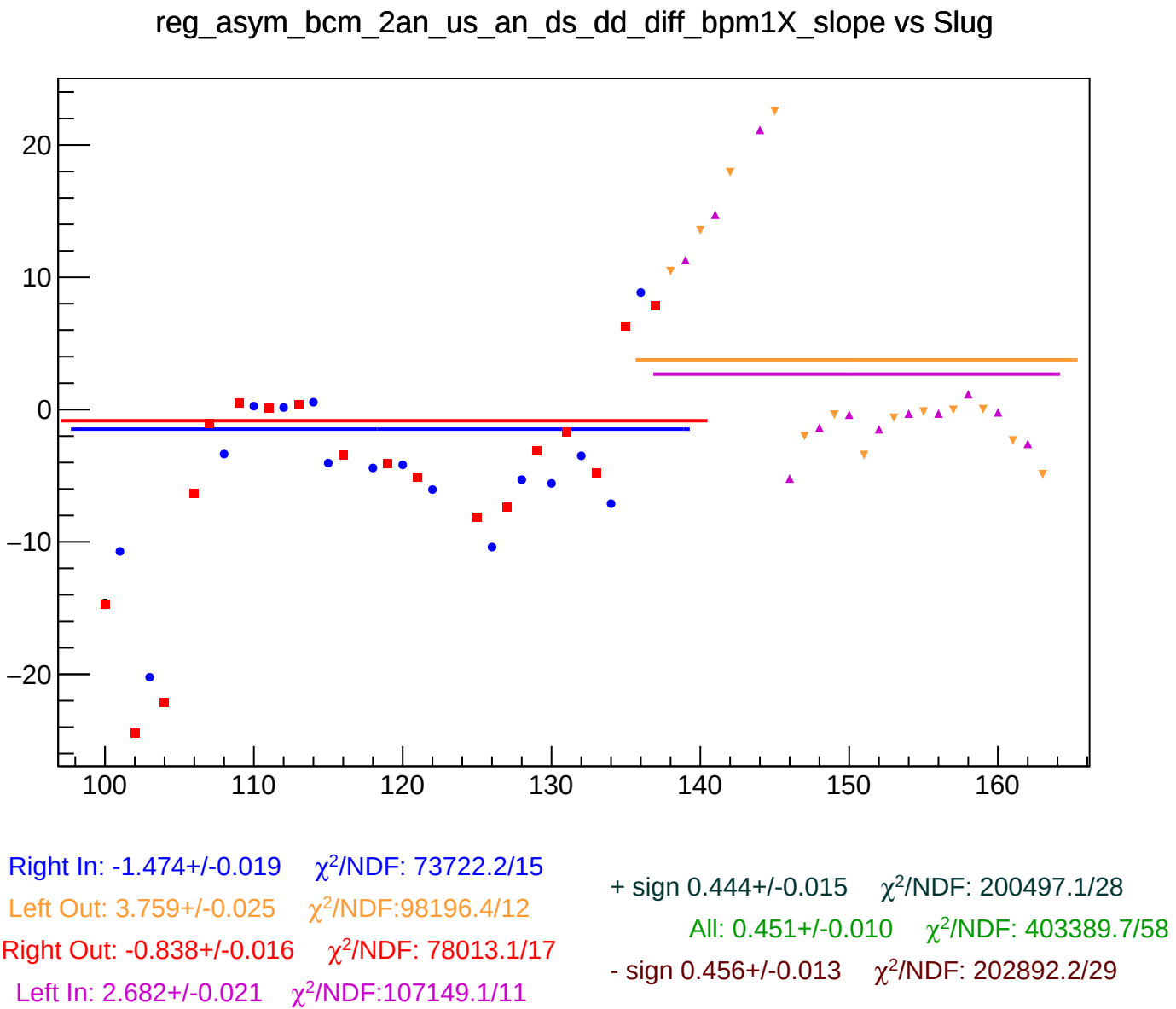
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.103+/-0.002 χ^2/NDF:2988.3/11

+ sign -0.172+/-0.002 χ^2/NDF: 14826.2/28

All: -0.139+/-0.001 χ^2/NDF: 33392.2/58

- sign -0.115+/-0.002 χ^2/NDF: 18163.2/29



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 3.759+/-0.025 χ^2/NDF:98196.4/12

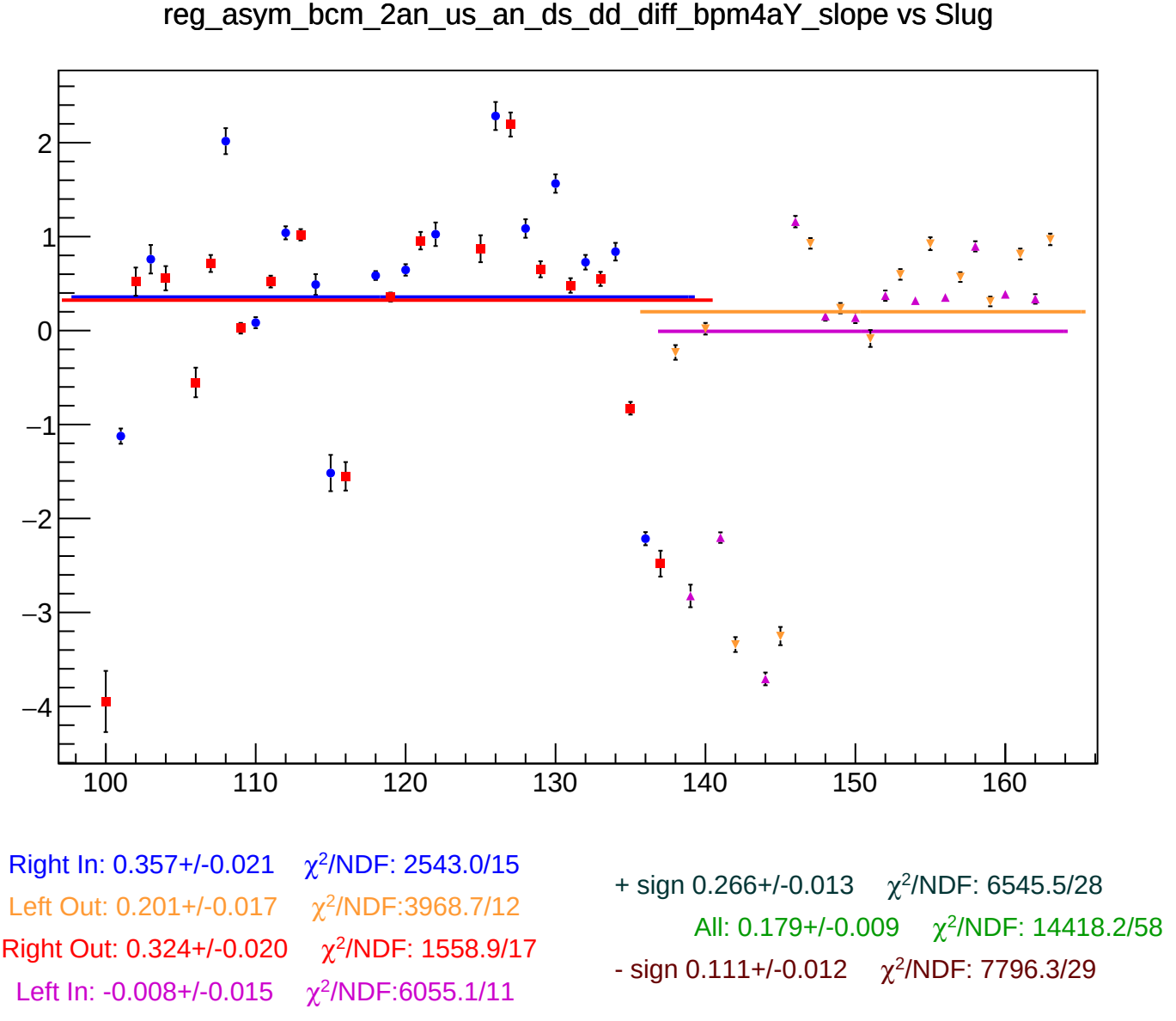
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

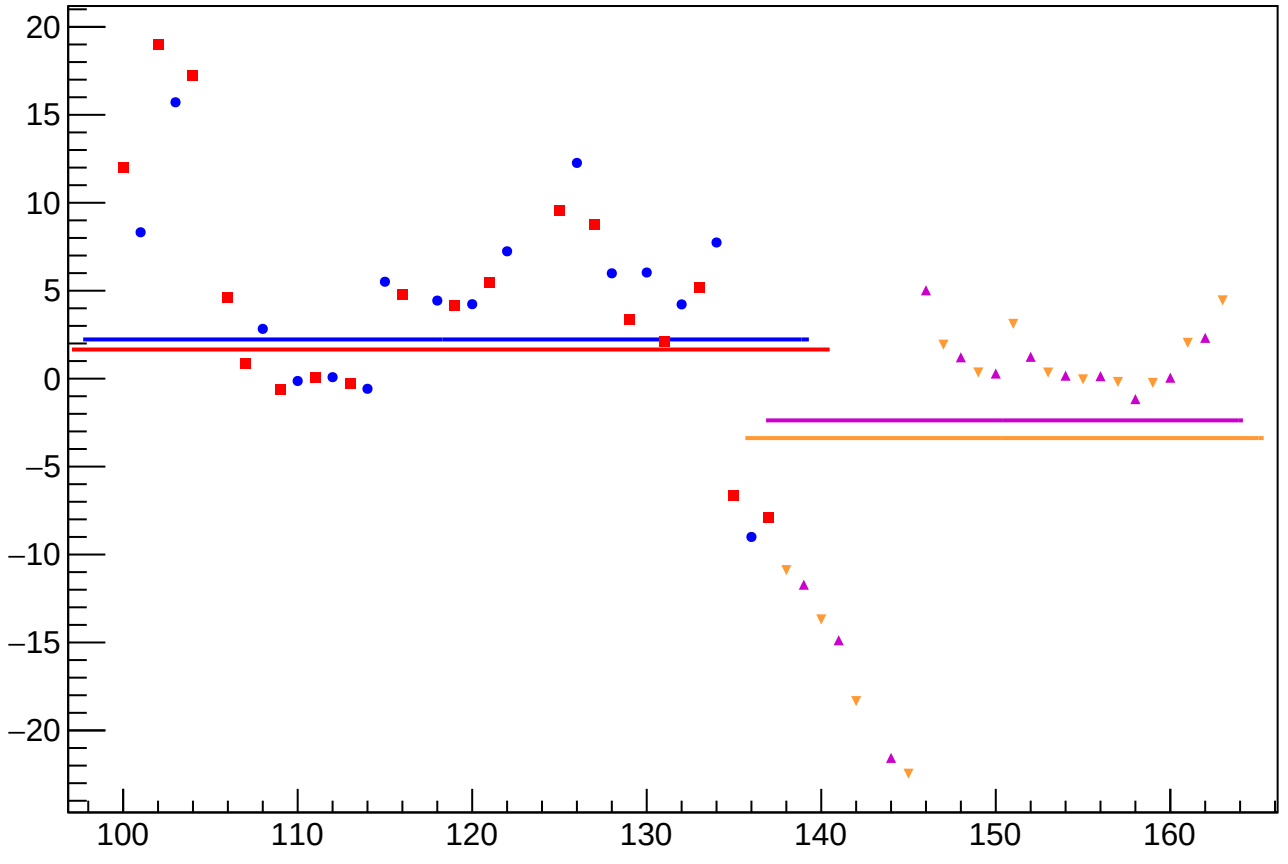
Left In: 2.682+/-0.021 χ^2/NDF:107149.1/11

+ sign 0.444+/-0.015 χ^2/NDF: 200497.1/28

All: 0.451+/-0.010 χ^2/NDF: 403389.7/58

- sign 0.456+/-0.013 χ^2/NDF: 202892.2/29


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
160
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: 0.201+/-0.017 χ²/NDF:3968.7/12
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.008+/-0.015 χ²/NDF:6055.1/11
+ sign 0.266+/-0.013 χ²/NDF: 6545.5/28
All: 0.179+/-0.009 χ²/NDF: 14418.2/58
- sign 0.111+/-0.012 χ²/NDF: 7796.3/29



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -3.379+/-0.024 χ^2/NDF:96799.8/12

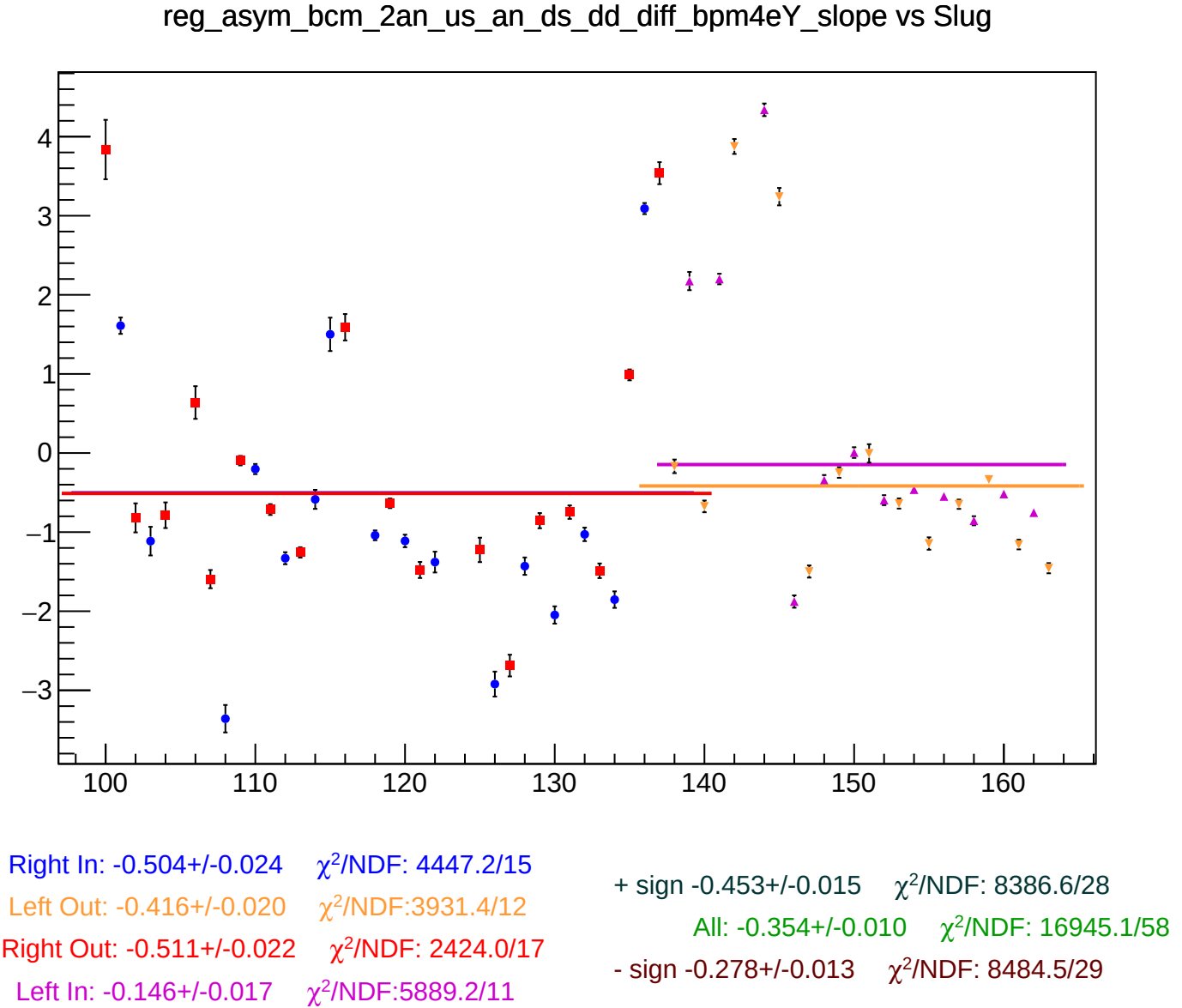
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

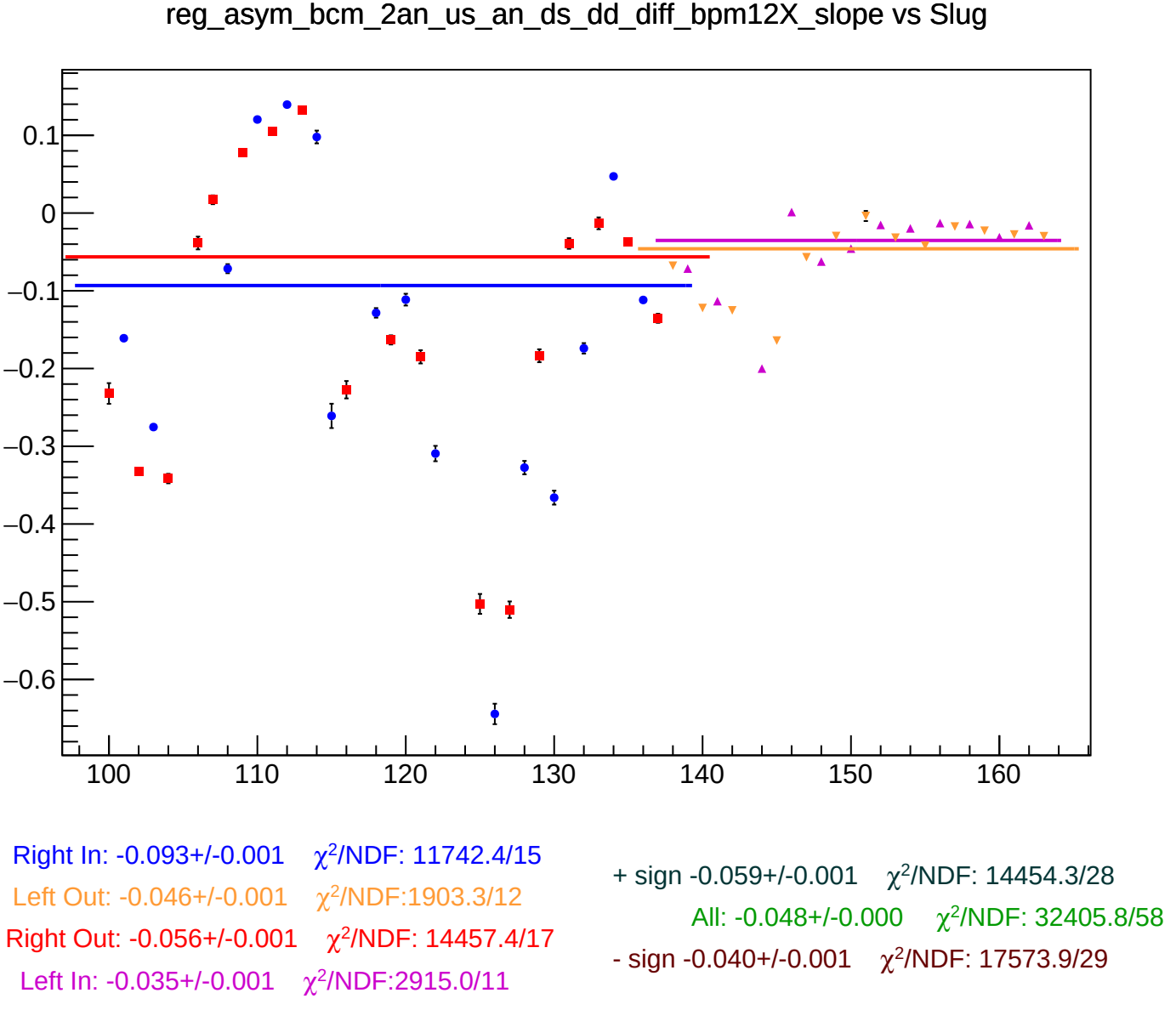
Left In: -2.373+/-0.020 χ^2/NDF:106705.2/11

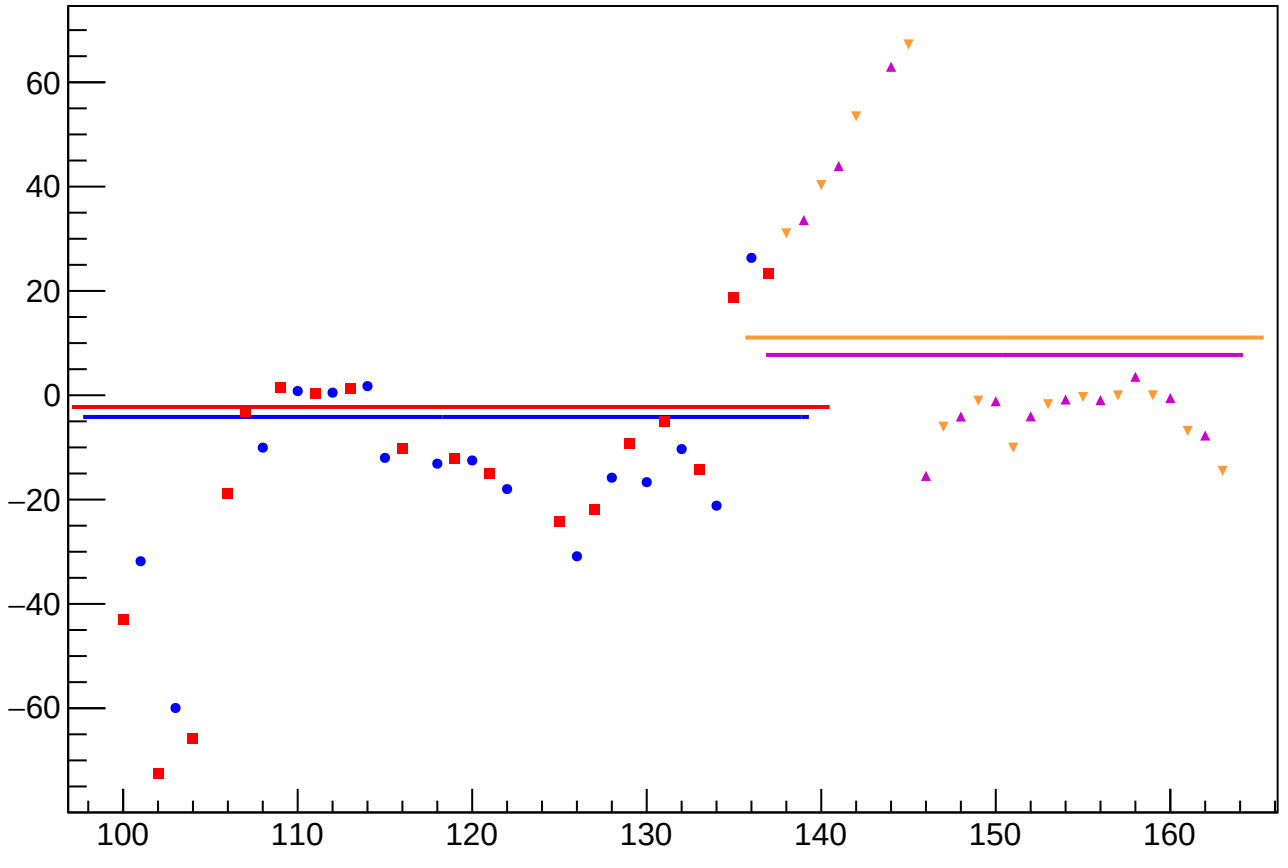
+ sign -0.392+/-0.016 χ^2/NDF: 195664.8/28

All: -0.395+/-0.011 χ^2/NDF: 394970.1/58

- sign -0.398+/-0.014 χ^2/NDF: 199305.3/29


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.504+/-0.024 χ²/NDF: 4447.2/15
Left Out: -0.416+/-0.020 χ²/NDF:3931.4/12
Right Out: -0.511+/-0.022 χ²/NDF: 2424.0/17
Left In: -0.146+/-0.017 χ²/NDF:5889.2/11
+ sign -0.453+/-0.015 χ²/NDF: 8386.6/28
All: -0.354+/-0.010 χ²/NDF: 16945.1/58
- sign -0.278+/-0.013 χ²/NDF: 8484.5/29


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
100
110
120
130
140
150
160
Right In: -0.093+/-0.001 χ²/NDF: 11742.4/15
Left Out: -0.046+/-0.001 χ²/NDF:1903.3/12
Right Out: -0.056+/-0.001 χ²/NDF: 14457.4/17
Left In: -0.035+/-0.001 χ²/NDF:2915.0/11
+ sign -0.059+/-0.001 χ²/NDF: 14454.3/28
All: -0.048+/-0.000 χ²/NDF: 32405.8/58
- sign -0.040+/-0.001 χ²/NDF: 17573.9/29



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 11.066+/-0.072 χ^2/NDF:100021.0/12

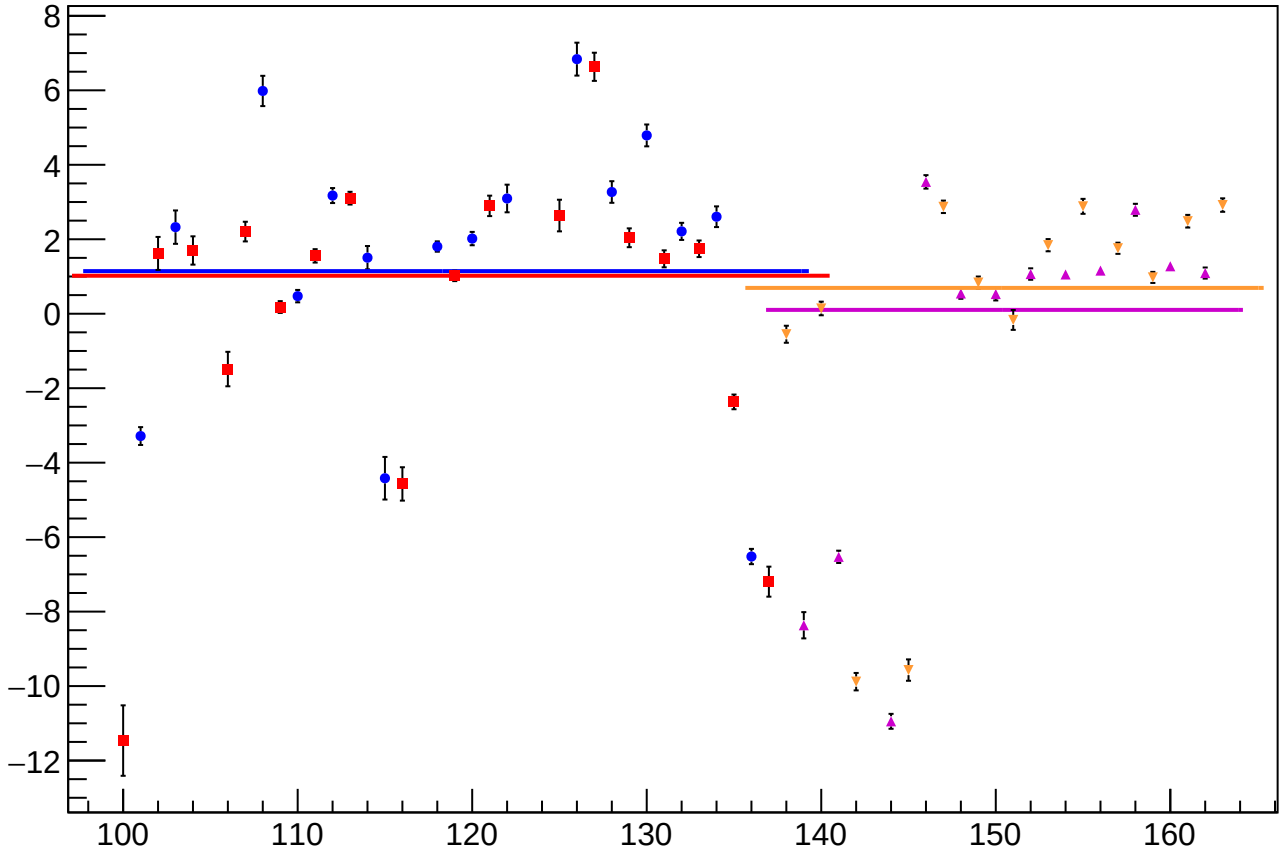
Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 7.728+/-0.061 χ^2/NDF:109792.7/11

+ sign 1.357+/-0.043 χ^2/NDF: 203843.0/28

All: 1.362+/-0.028 χ^2/NDF: 410359.7/58

- sign 1.366+/-0.037 χ^2/NDF: 206516.7/29



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.694+/-0.051 χ^2/NDF:4019.8/12

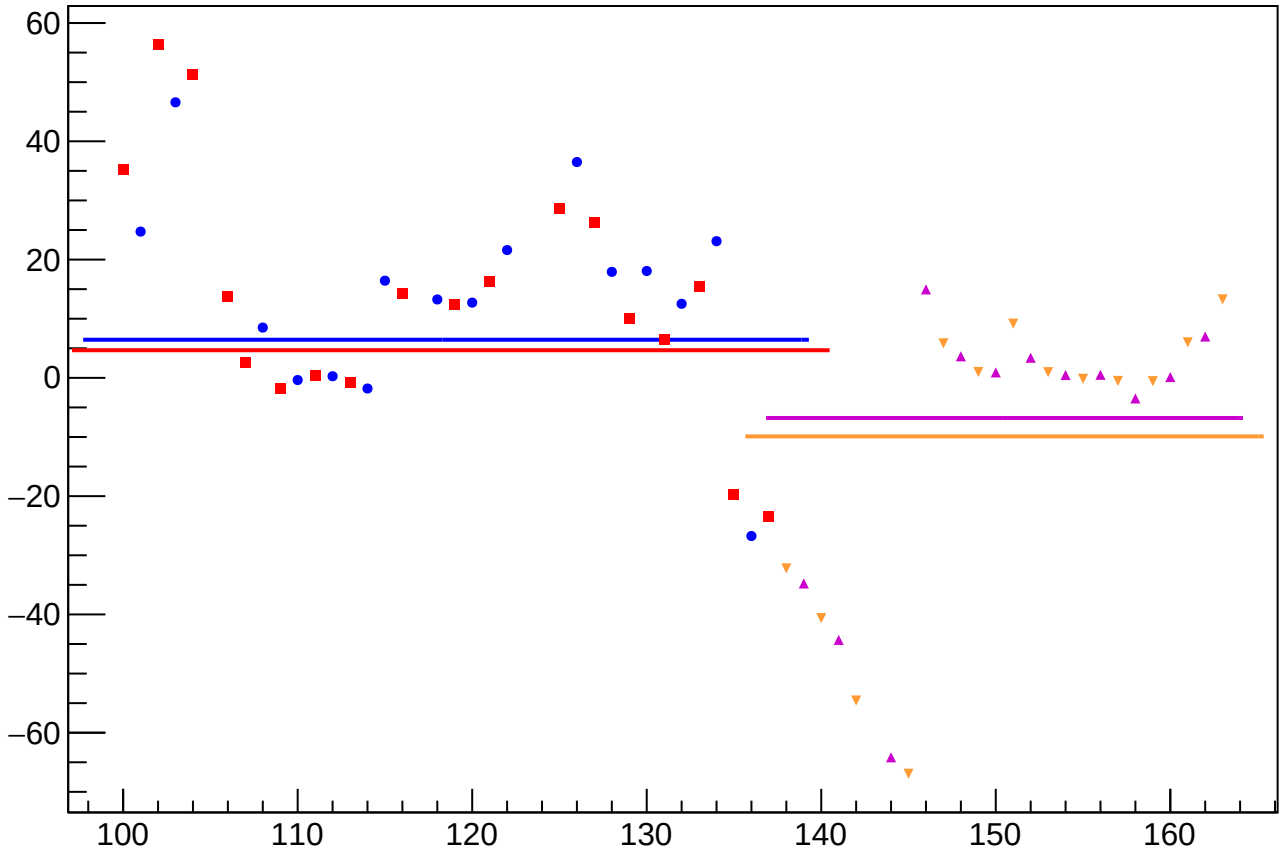
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.103+/-0.043 χ^2/NDF:6222.6/11

+ sign 0.883+/-0.039 χ^2/NDF: 6647.7/28

All: 0.627+/-0.026 χ^2/NDF: 14703.3/58

- sign 0.431+/-0.034 χ^2/NDF: 7979.5/29



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -9.899+/-0.070 χ^2/NDF:98561.1/12

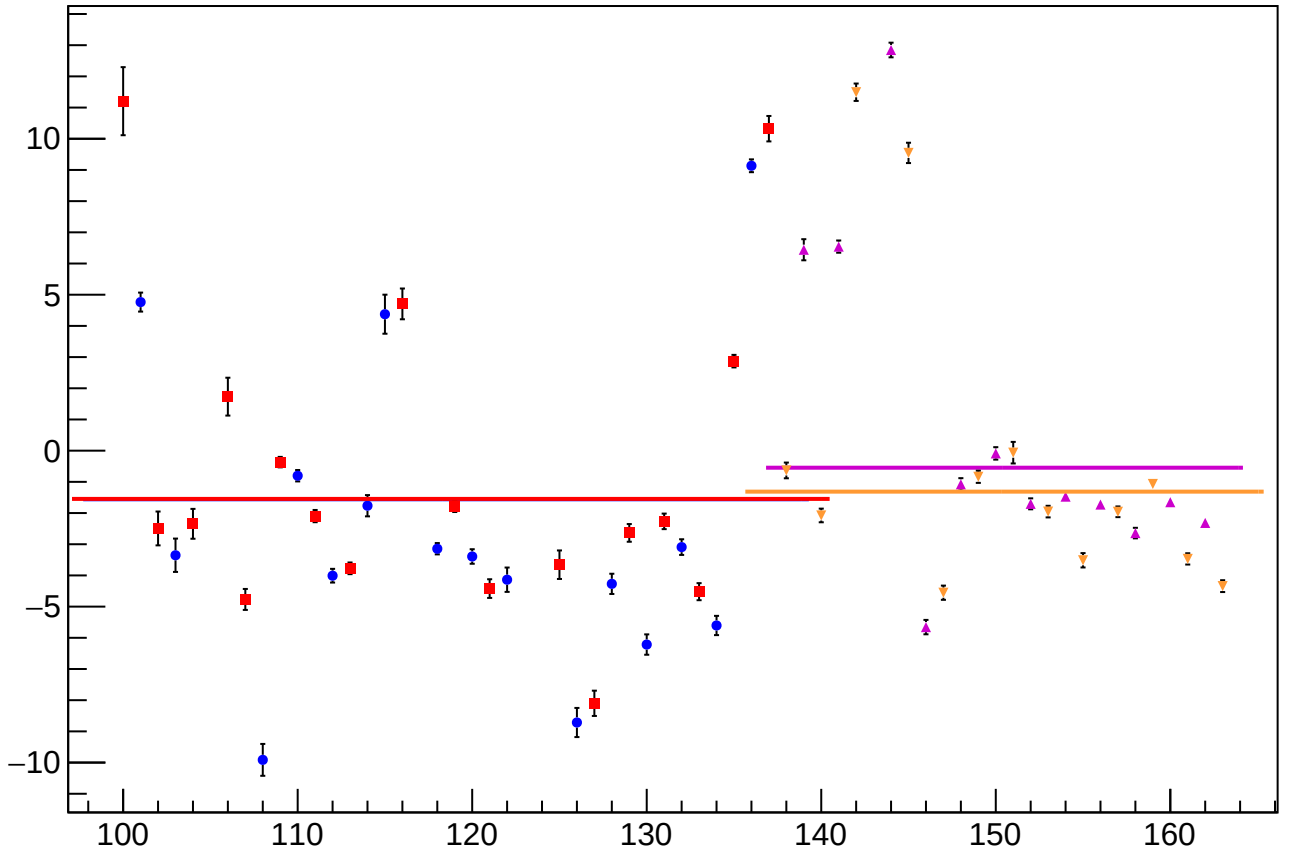
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -6.784+/-0.058 χ^2/NDF:109223.3/11

+ sign -1.160+/-0.047 χ^2/NDF: 198914.0/28

All: -1.153+/-0.031 χ^2/NDF: 401697.7/58

- sign -1.148+/-0.041 χ^2/NDF: 202783.6/29



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.313+/-0.058 χ^2/NDF:3975.9/12

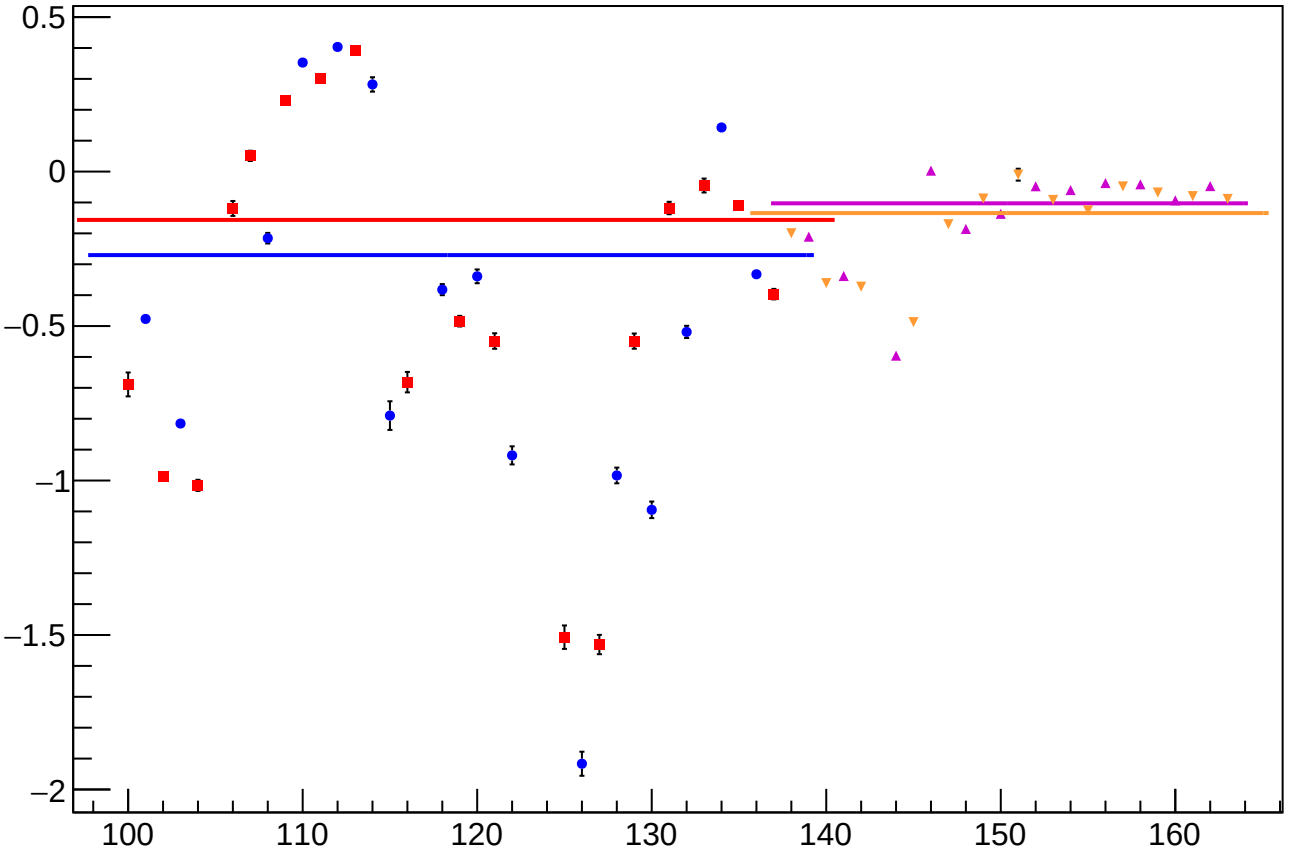
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.546+/-0.049 χ^2/NDF:6034.8/11

+ sign -1.415+/-0.045 χ^2/NDF: 8526.3/28

All: -1.127+/-0.029 χ^2/NDF: 17258.0/58

- sign -0.909+/-0.039 χ^2/NDF: 8658.3/29



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.134+/-0.003 χ^2/NDF:1949.1/12

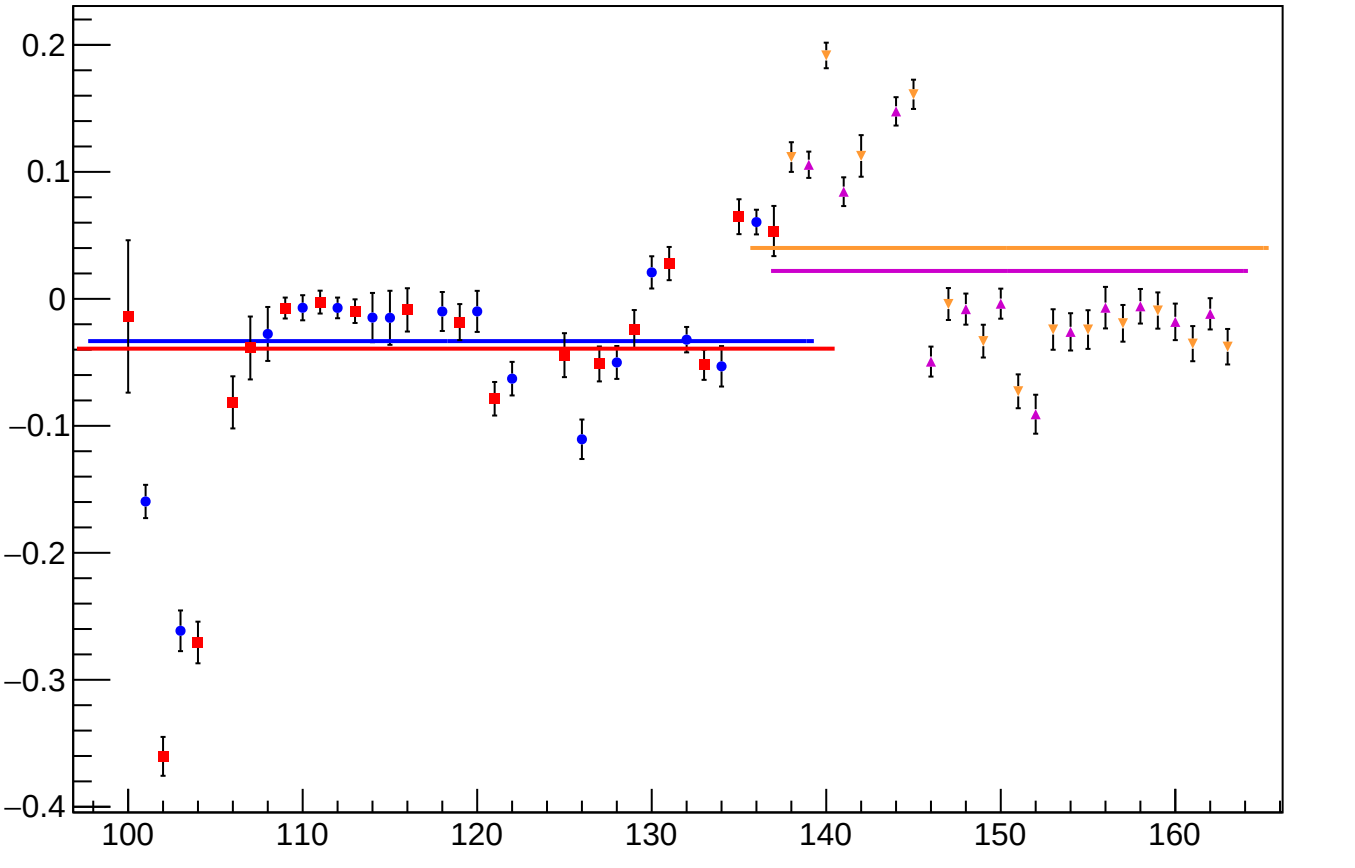
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.103+/-0.002 χ^2/NDF:2988.4/11

+ sign -0.172+/-0.002 χ^2/NDF: 14828.7/28

All: -0.138+/-0.001 χ^2/NDF: 33403.0/58

- sign -0.115+/-0.002 χ^2/NDF: 18172.9/29



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.040+/-0.004 χ^2/NDF:633.9/12

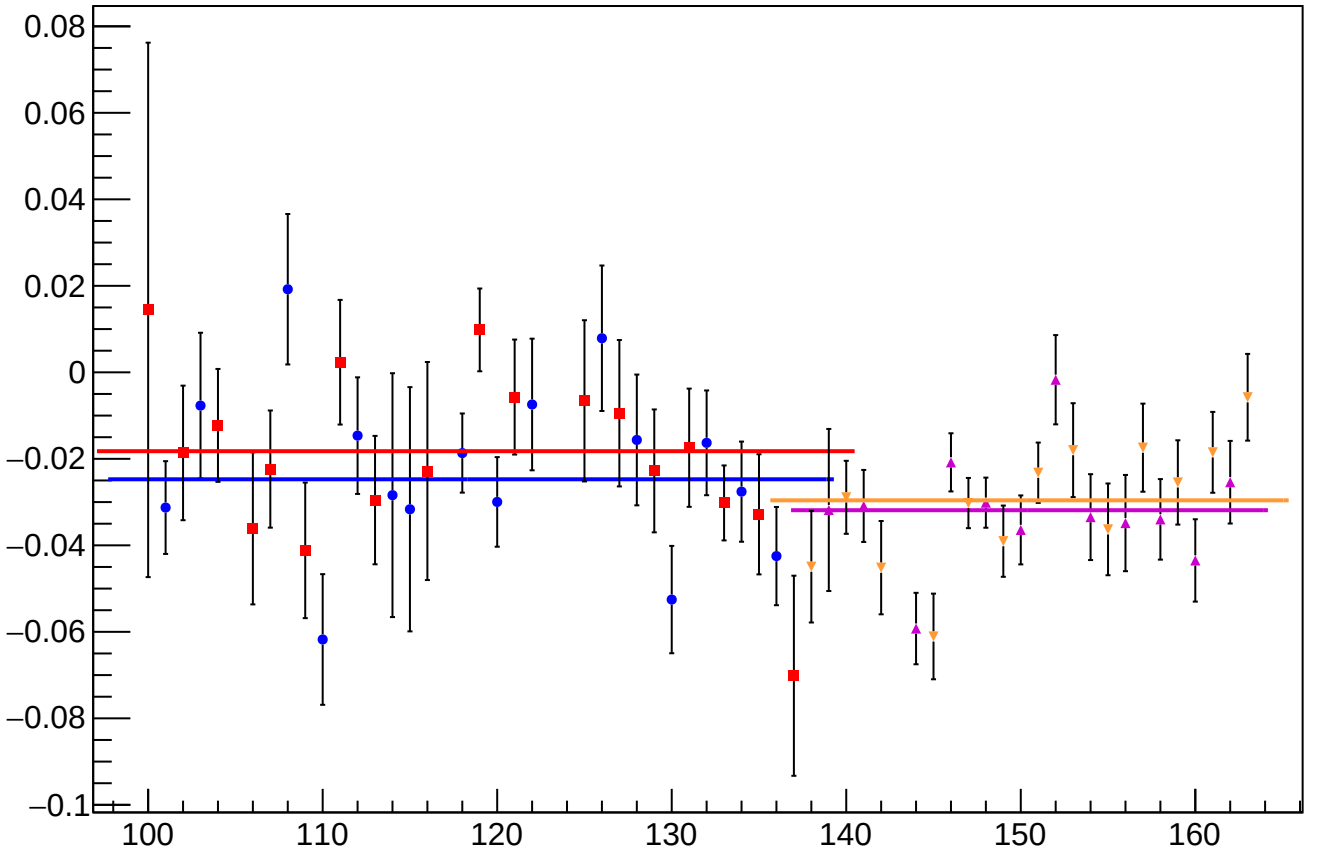
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.022+/-0.004 χ^2/NDF:356.8/11

+ sign -0.001+/-0.002 χ^2/NDF: 1324.1/28

All: -0.007+/-0.002 χ^2/NDF: 2659.9/58

- sign -0.013+/-0.002 χ^2/NDF: 1324.6/29



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.030+/-0.002 χ^2/NDF:26.0/12

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

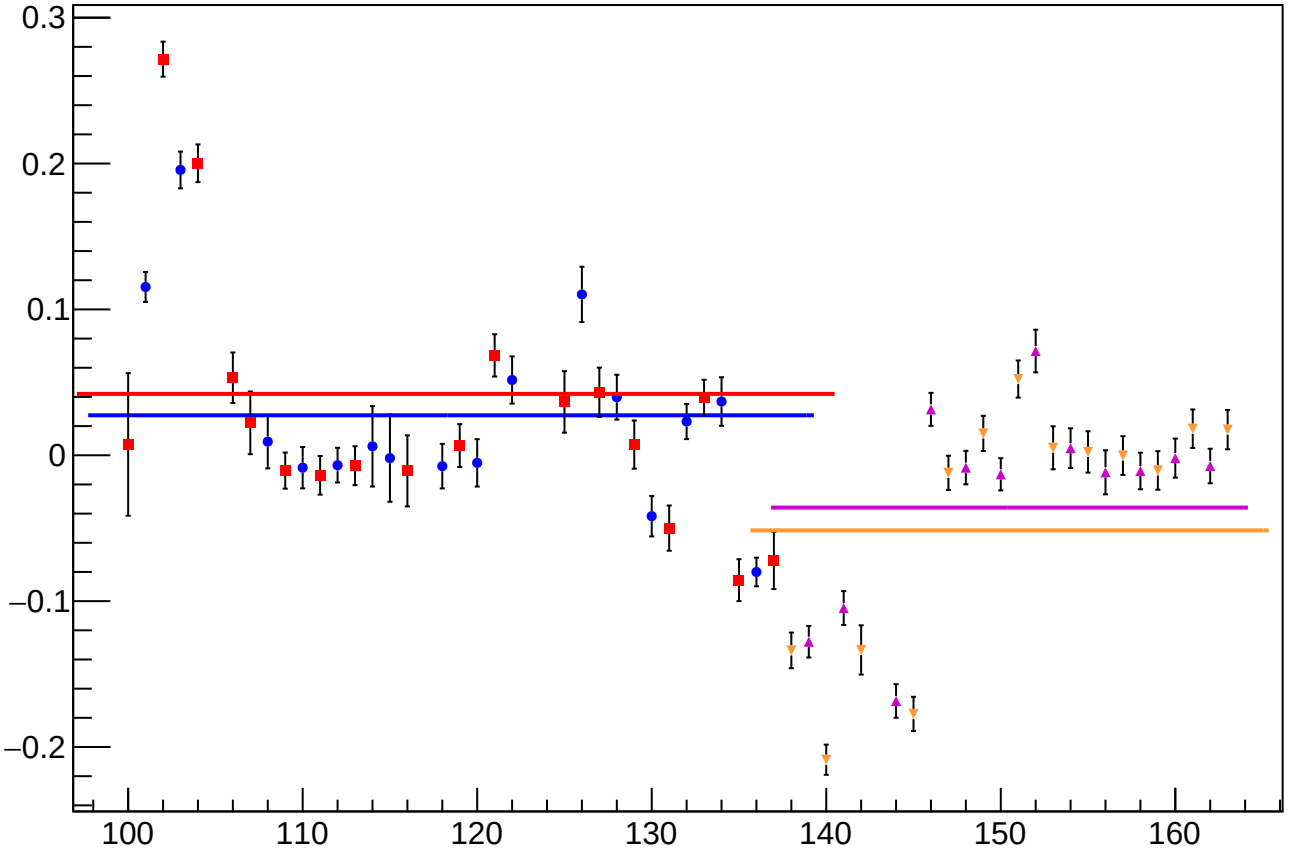
Left In: -0.032+/-0.002 χ^2/NDF:24.8/11

+ sign -0.028+/-0.002 χ^2/NDF: 55.9/28

All: -0.027+/-0.001 χ^2/NDF: 116.0/58

- sign -0.027+/-0.002 χ^2/NDF: 60.0/29

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.051+/-0.004 χ^2/NDF:630.3/12

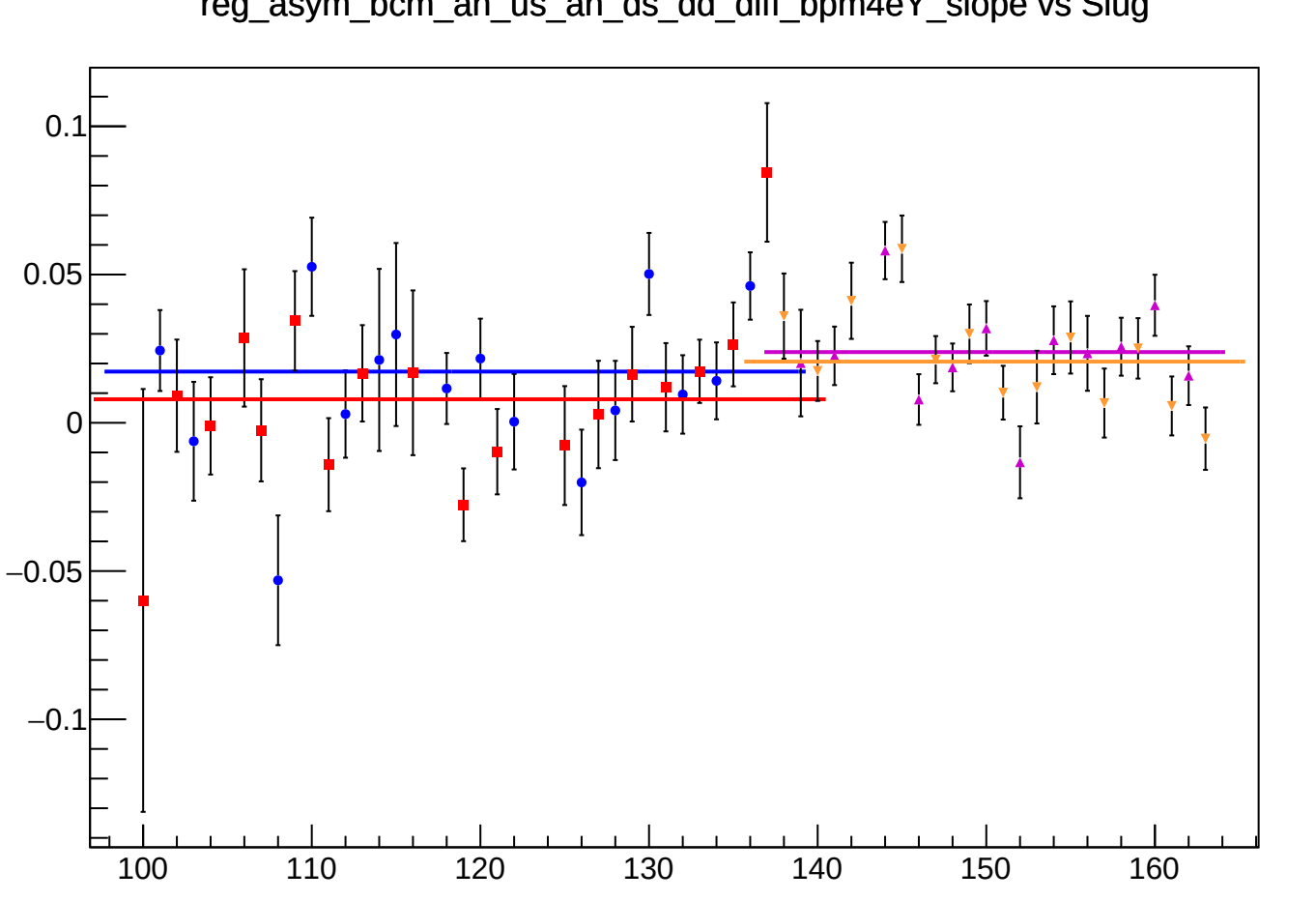
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.036+/-0.004 χ^2/NDF:367.7/11

+ sign -0.012+/-0.003 χ^2/NDF: 1321.4/28

All: -0.005+/-0.002 χ^2/NDF: 2675.0/58

- sign 0.002+/-0.003 χ^2/NDF: 1338.0/29



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.5/12

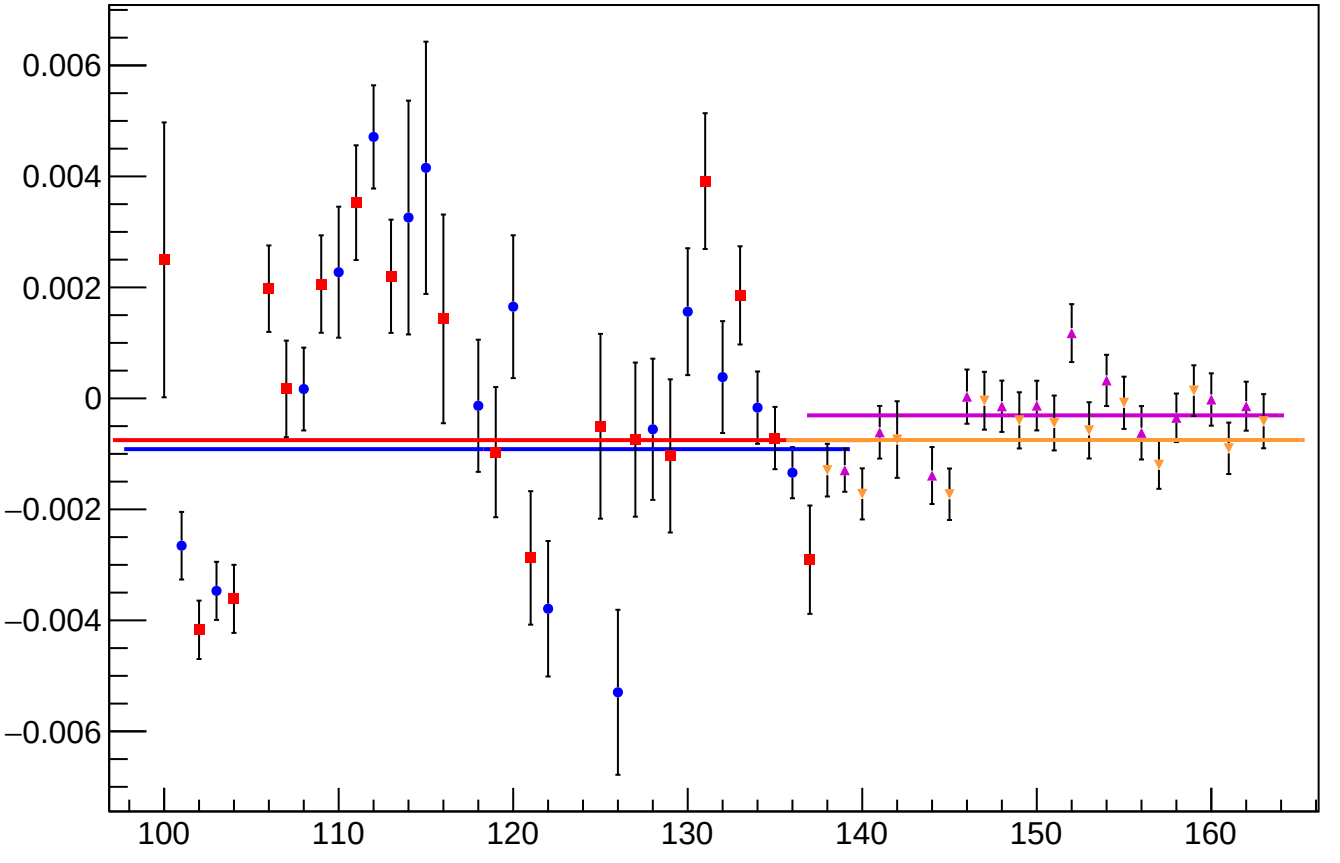
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:29.8/11

+ sign 0.019+/-0.002 χ^2/NDF: 65.6/28

All: 0.019+/-0.002 χ^2/NDF: 137.6/58

- sign 0.018+/-0.002 χ^2/NDF: 71.8/29



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:20.5/12

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

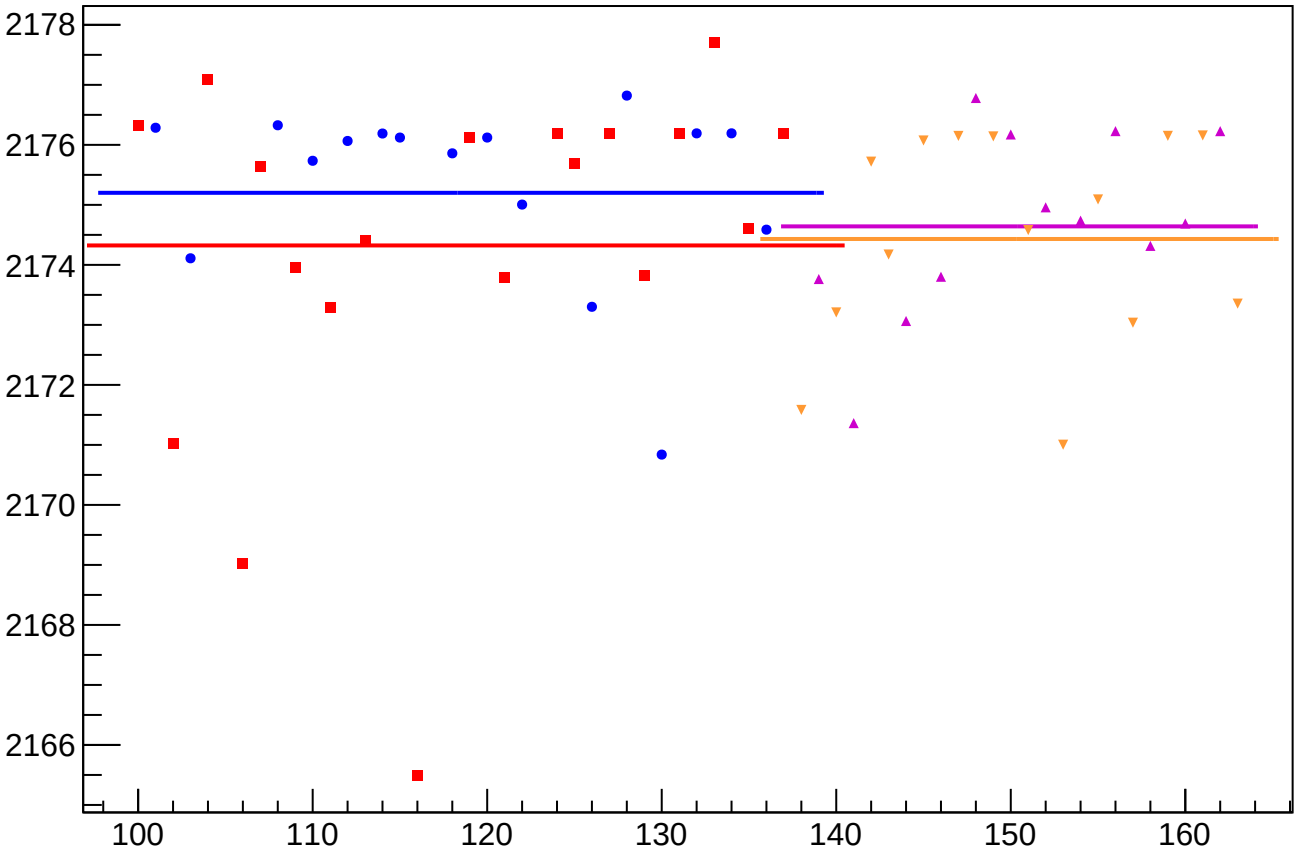
Left In: -0.000+/-0.000 χ^2/NDF:23.0/11

+ sign -0.001+/-0.000 χ^2/NDF: 135.0/28

All: -0.001+/-0.000 χ^2/NDF: 313.9/58

- sign -0.000+/-0.000 χ^2/NDF: 173.7/29

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.432+/-0.000 χ^2/NDF:34791799789233925677126726199541 76.0/13

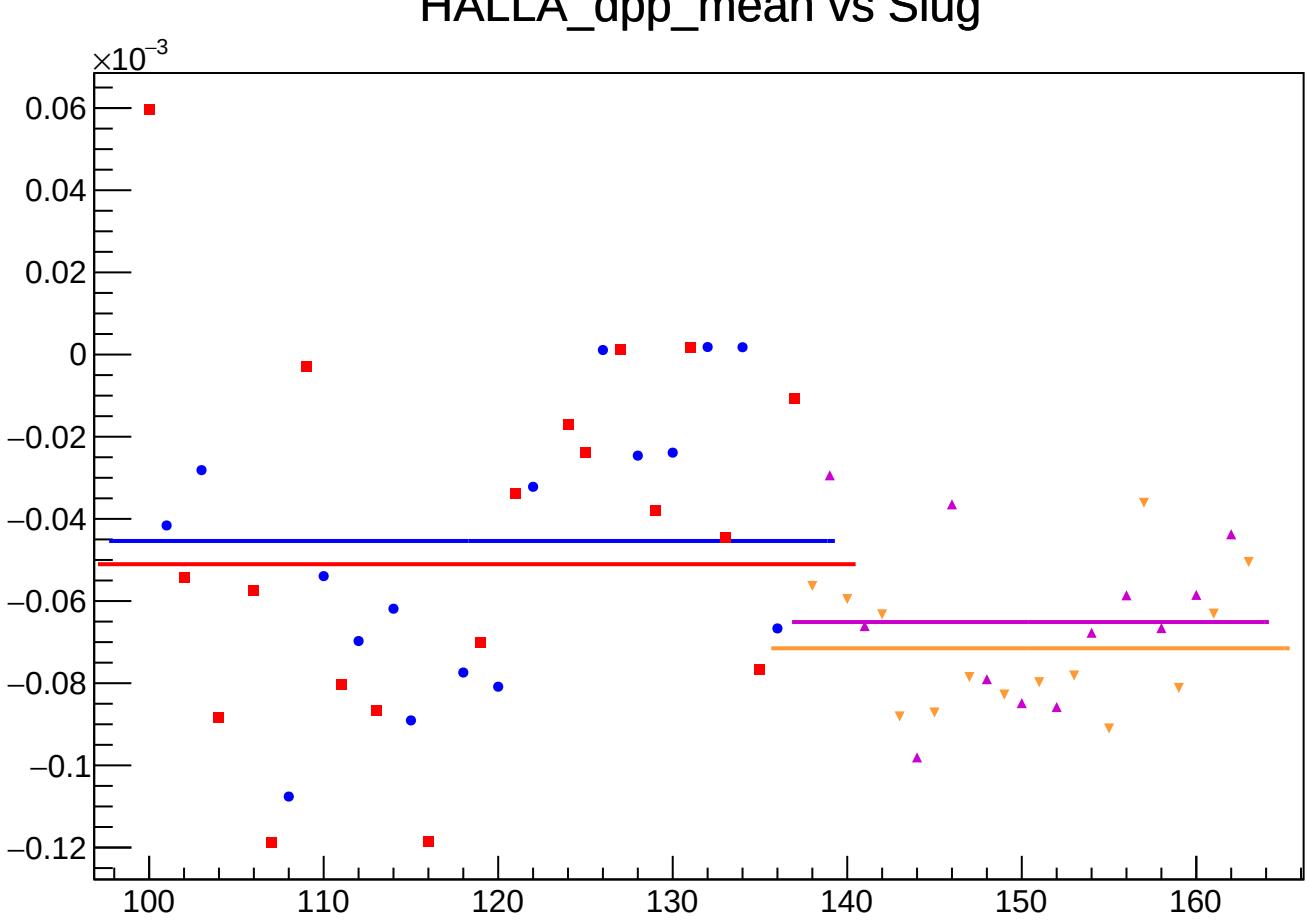
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.642+/-0.000 χ^2/NDF:24242364759054324850267049752002 56.0/11

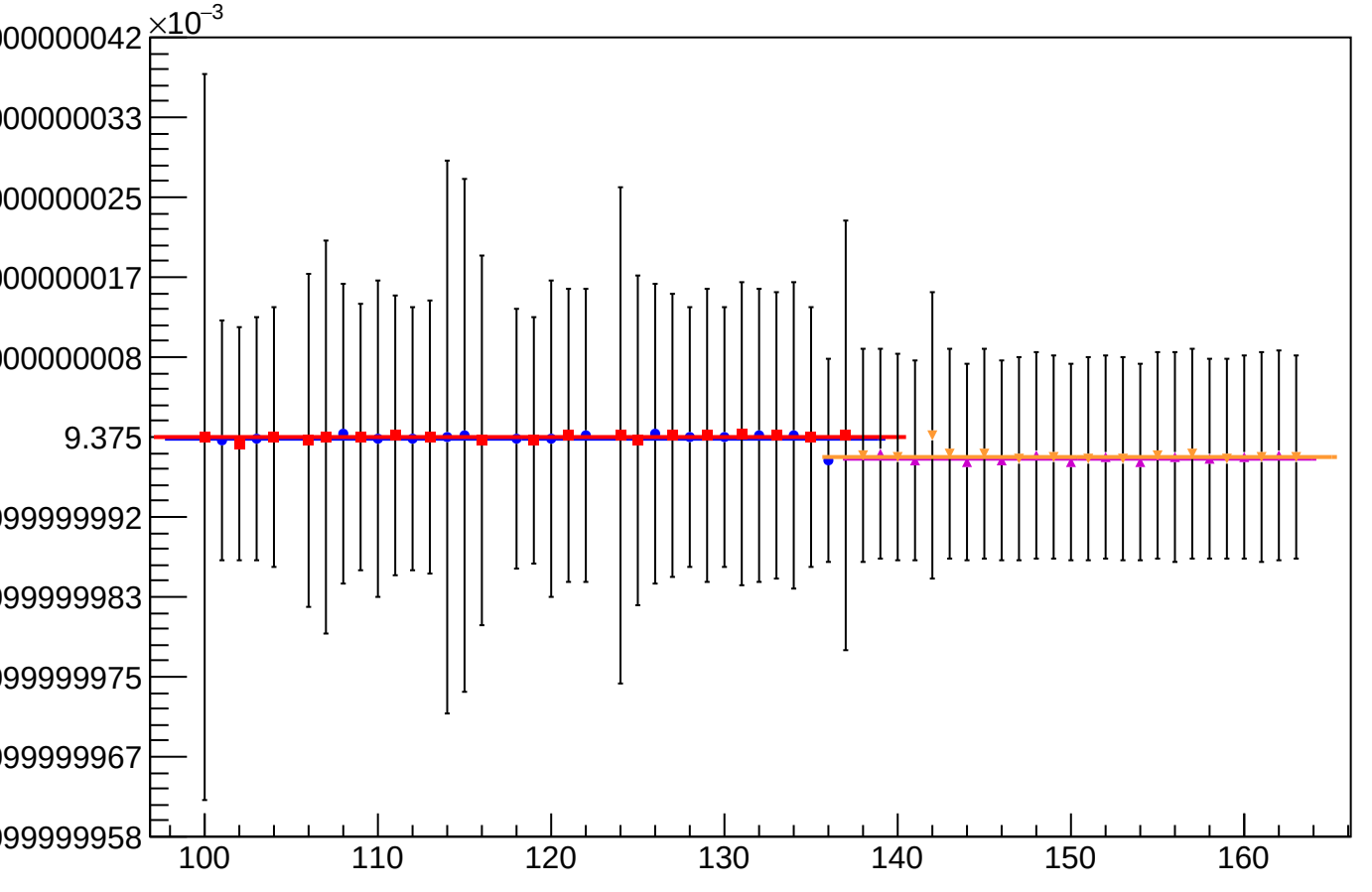
+ sign 2174.730+/-0.000 χ^2/NDF: 5513509674727 2

All: 2174.622+/-0.000 χ^2/NDF: 135704489 96

- sign 2174.510+/-0.000 χ^2/NDF: 8011541511485 8


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
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29536726164884173094912 0.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: -0.000+/-0.000 χ²/NDF:42369617958845506230681 6.0/11
+ sign -0.000+/-0.000 χ²/NDF: 1318060687609826
All: -0.000+/-0.000 χ²/NDF: 2846286949782
- sign -0.000+/-0.000 χ²/NDF: 1524089784519280

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

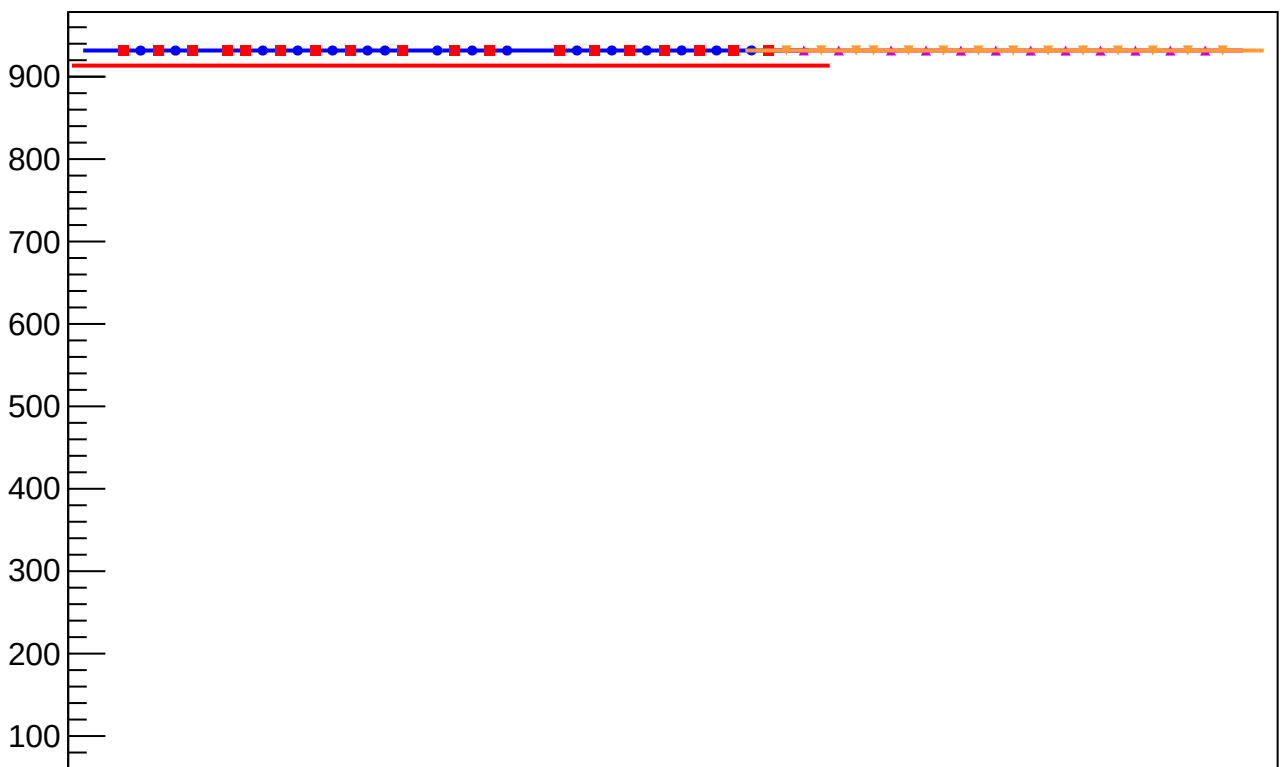
Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

+ sign 931.779+/-0.000 χ^2/NDF: 701607141244855

Left Out: 931.785+/-0.000 χ^2/NDF:414426876666815900968382627840 0.0/13

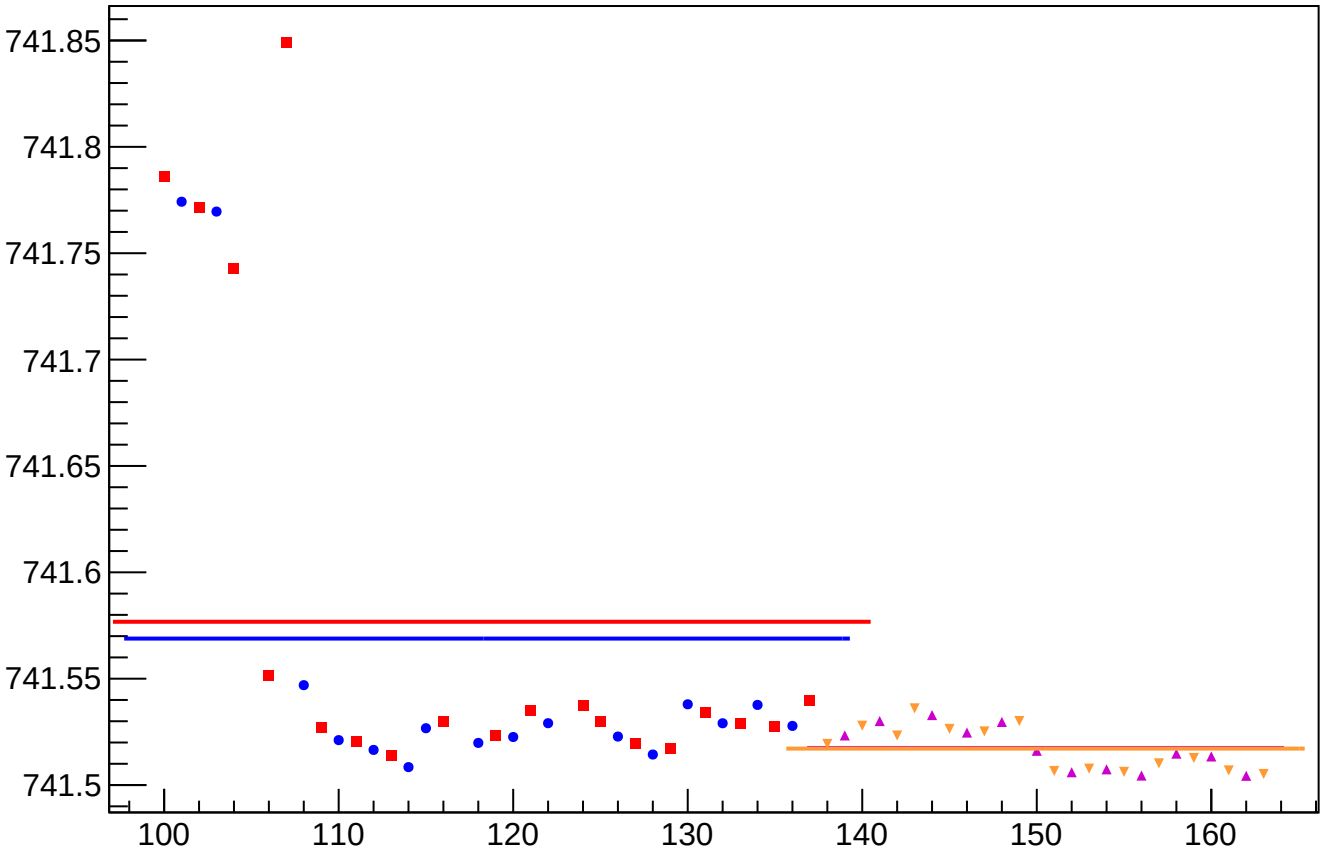
All: 928.047+/-0.000 χ^2/NDF: 12970077438

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 924.169+/-0.000 χ^2/NDF: 129158012028146

Left In: 931.772+/-0.000 χ^2/NDF:3633819771517626897201736187904.0/11

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

+ sign 741.537+/-0.000 χ^2/NDF: 777170193978066

Left Out: 741.517+/-0.000 χ^2/NDF:125372309995692125920029573120.0/13

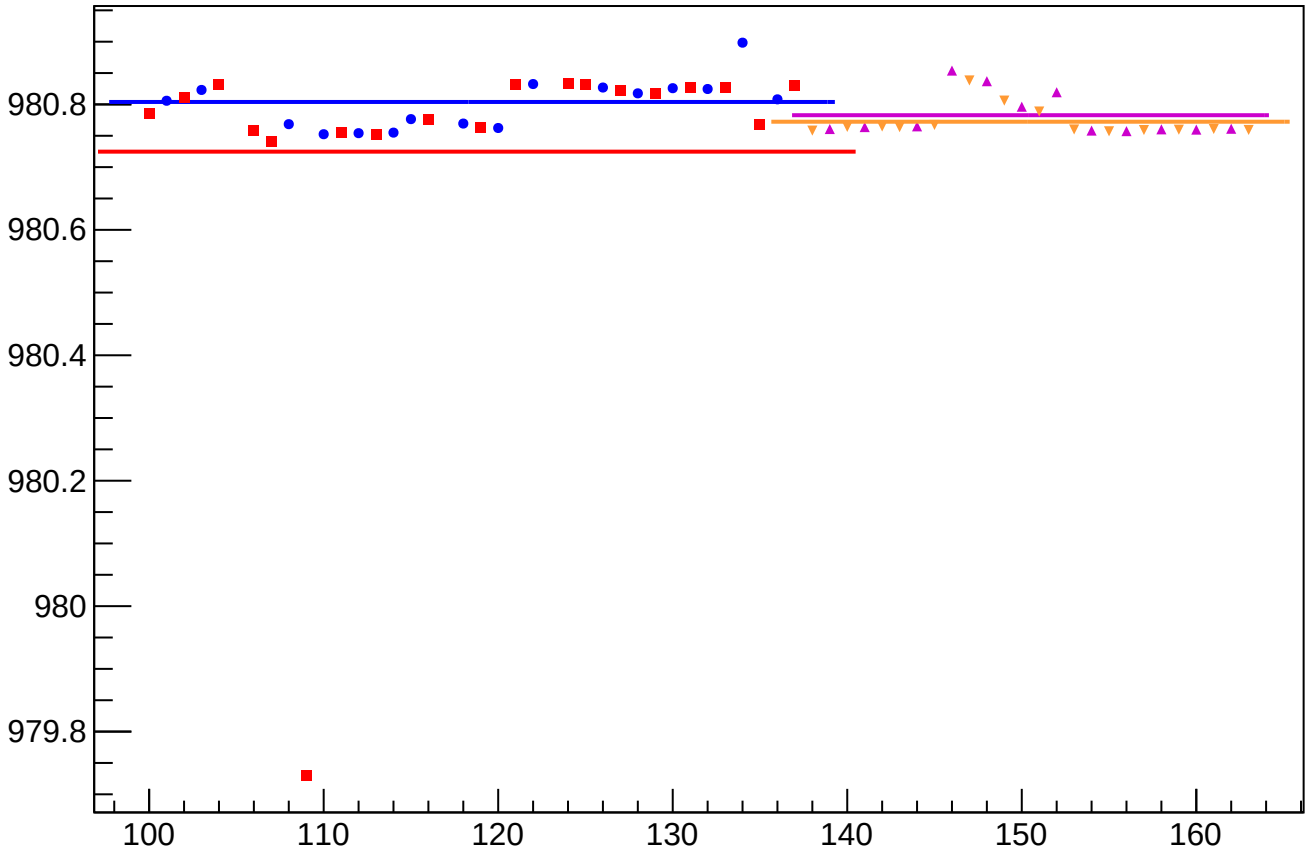
All: 741.540+/-0.000 χ^2/NDF: 171673317654

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

- sign 741.542+/-0.000 χ^2/NDF: 937354292932520

Left In: 741.517+/-0.000 χ^2/NDF:110168696842887575301915672576.0/11

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.772+/-0.000 χ^2/NDF:628425582459287685161577086976.0/13

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

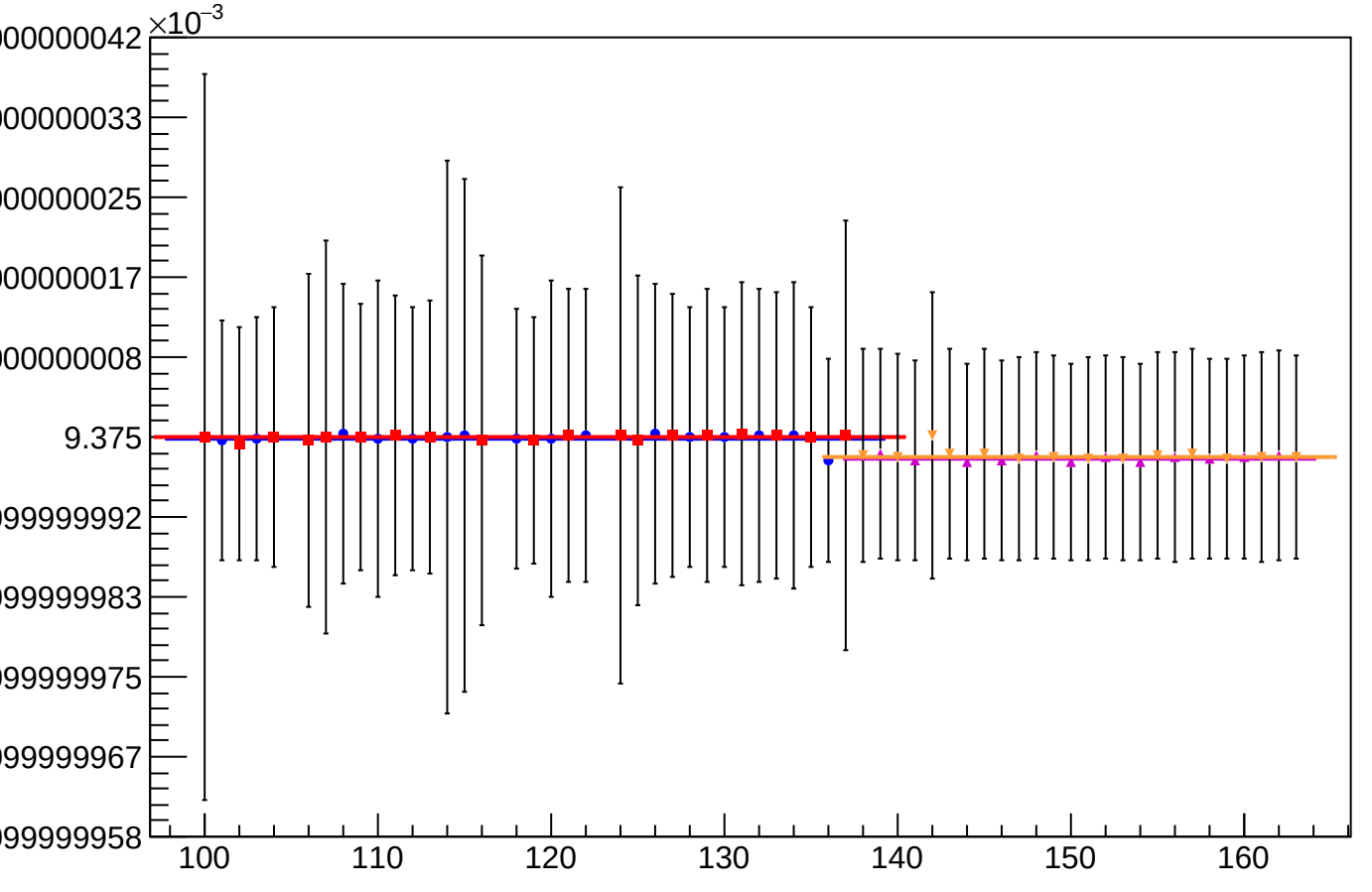
Left In: 980.783+/-0.000 χ^2/NDF:11981437664784252567150940651520.0/11

+ sign 980.785+/-0.000 χ^2/NDF: 201191004509411

All: 980.772+/-0.000 χ^2/NDF: 613879894780

- sign 980.759+/-0.000 χ^2/NDF: 587457386781647

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

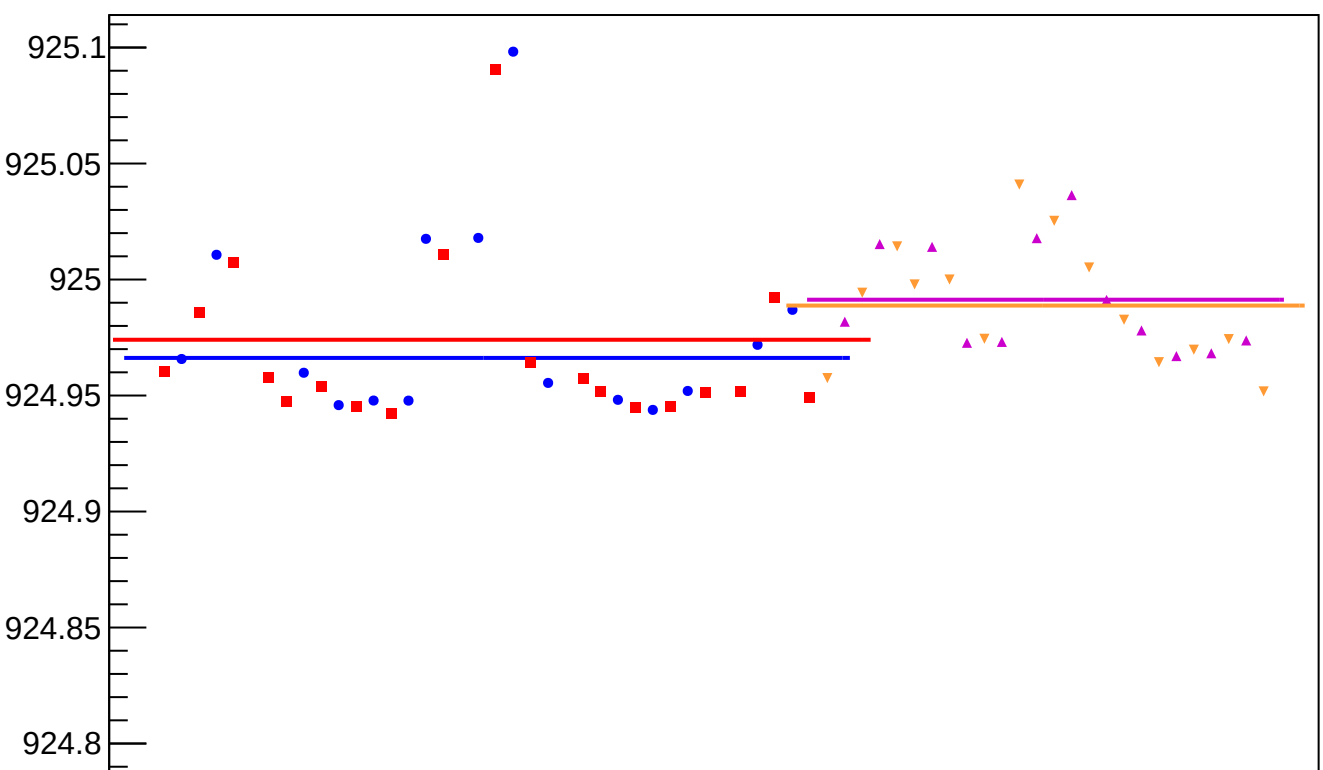
Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.989+/-0.000 χ^2/NDF:756124716720080829873400053760.0/13

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

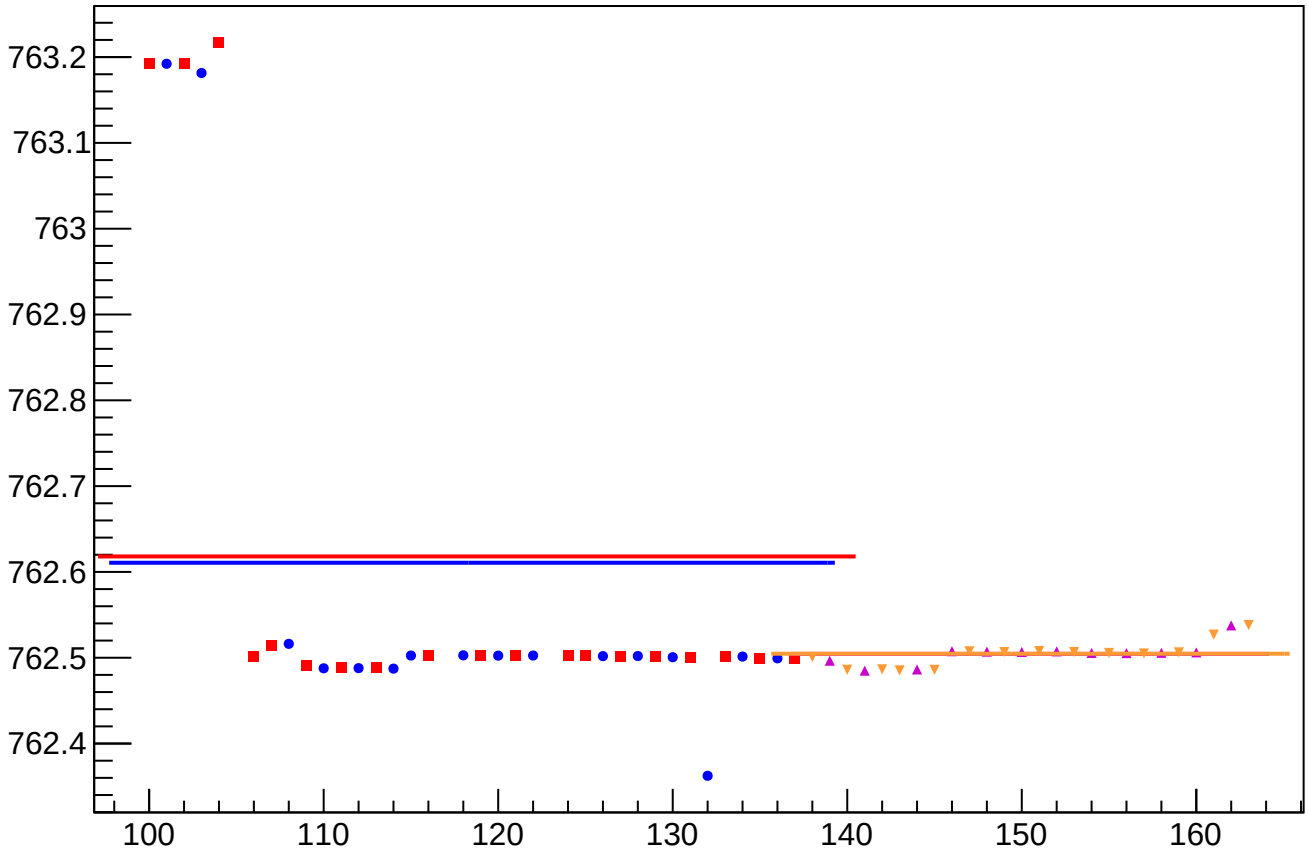
Left In: 924.991+/-0.000 χ^2/NDF:560081246874972045344187088896.0/11

+ sign 924.980+/-0.000 χ^2/NDF: 353156100675404

All: 924.982+/-0.000 χ^2/NDF: 548241589671

- sign 924.984+/-0.000 χ^2/NDF: 193503186067788

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.505+/-0.000 χ^2/NDF:25135463080014272246305311948 8.0/13

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

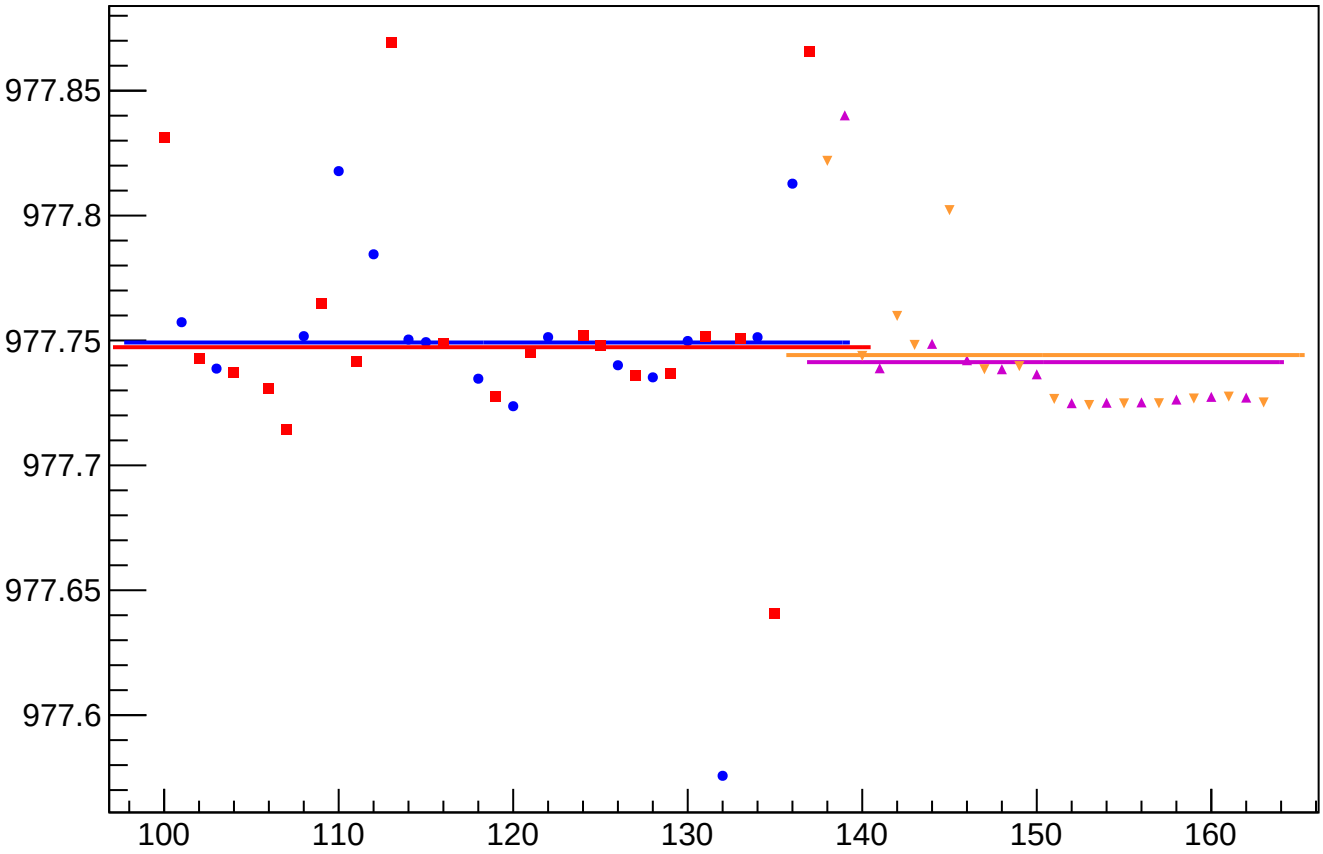
Left In: 762.504+/-0.000 χ^2/NDF:16740167459459089540267271782 4.0/11

+ sign 762.546+/-0.000 χ^2/NDF: 575110206200128

All: 762.549+/-0.000 χ^2/NDF: 116602915166

- sign 762.552+/-0.000 χ^2/NDF: 590603984144386

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.744+/-0.000 χ^2/NDF:998784965695565041460196671488.0/13

Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

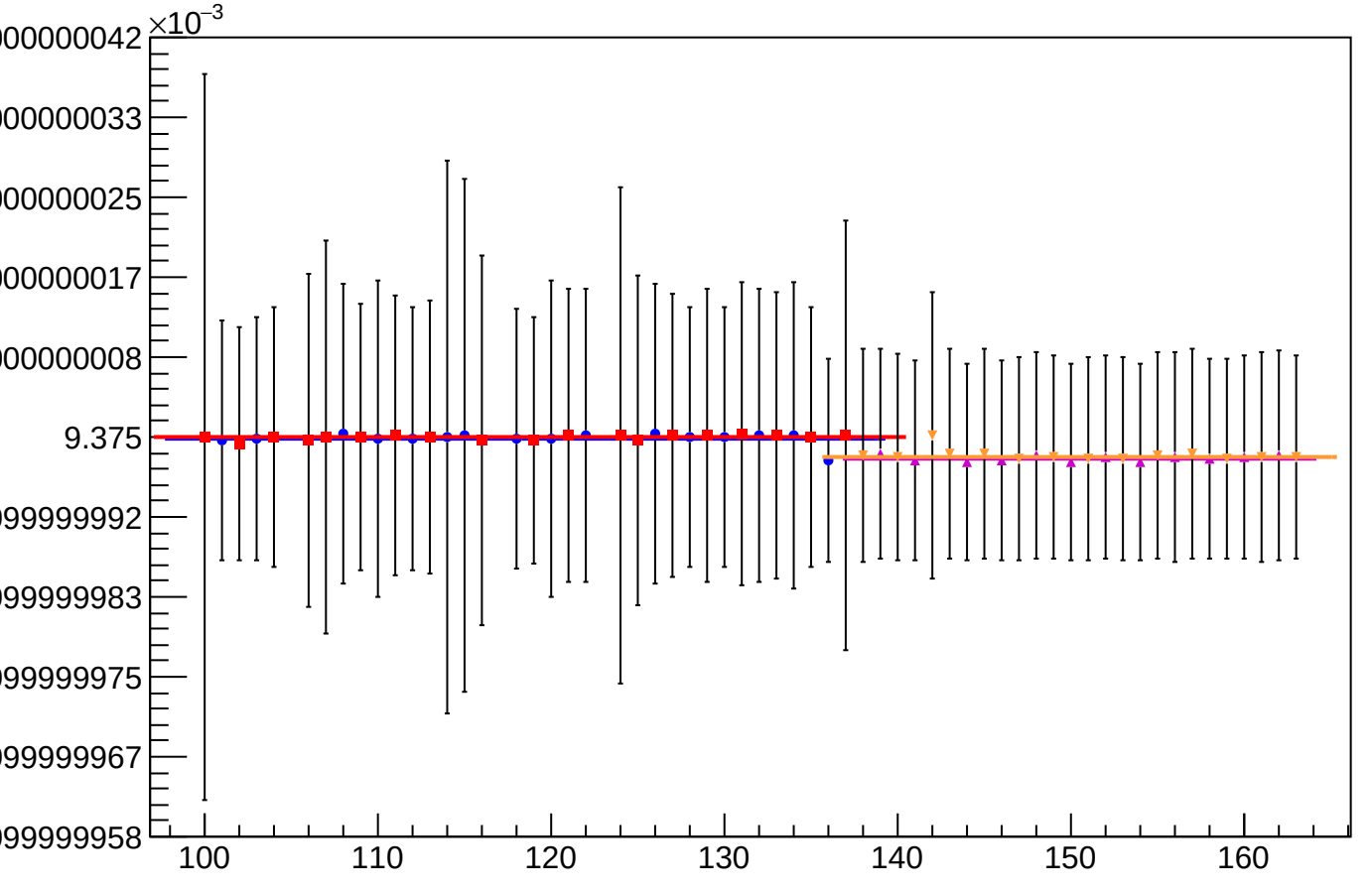
Left In: 977.741+/-0.000 χ^2/NDF:954169102913385902852207017984.0/11

+ sign 977.746+/-0.000 χ^2/NDF: 296988320686774

All: 977.745+/-0.000 χ^2/NDF: 57272000204

- sign 977.744+/-0.000 χ^2/NDF: 275235318000690

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

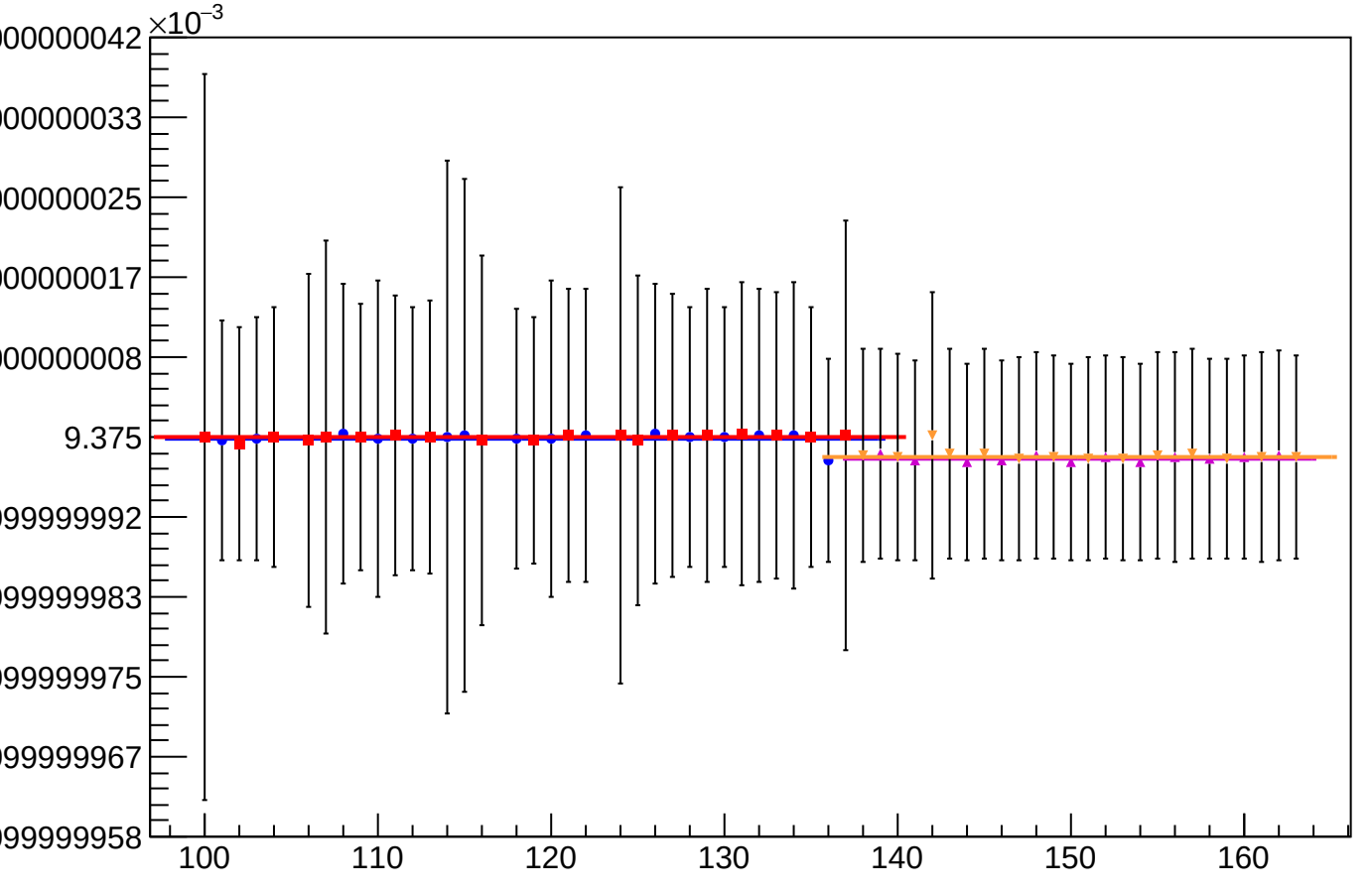
Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

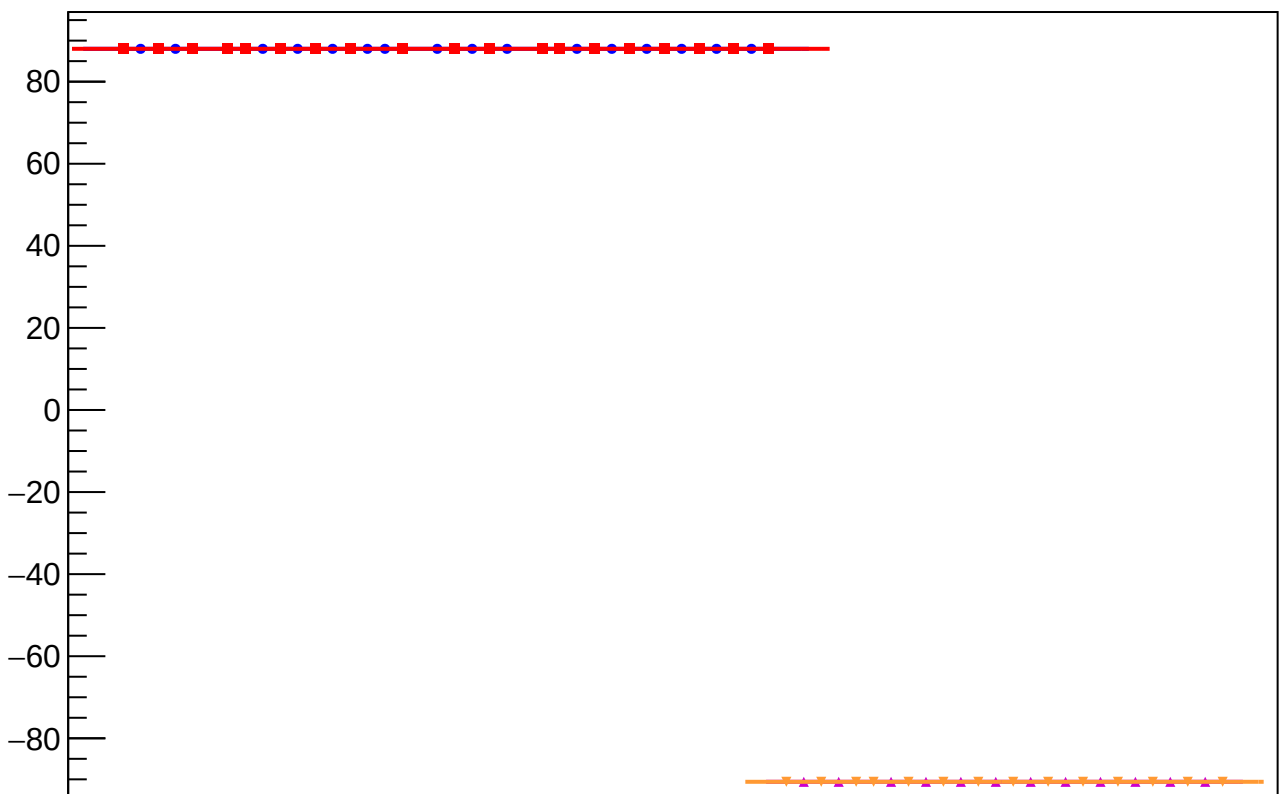
Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30

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:3428679.8/13

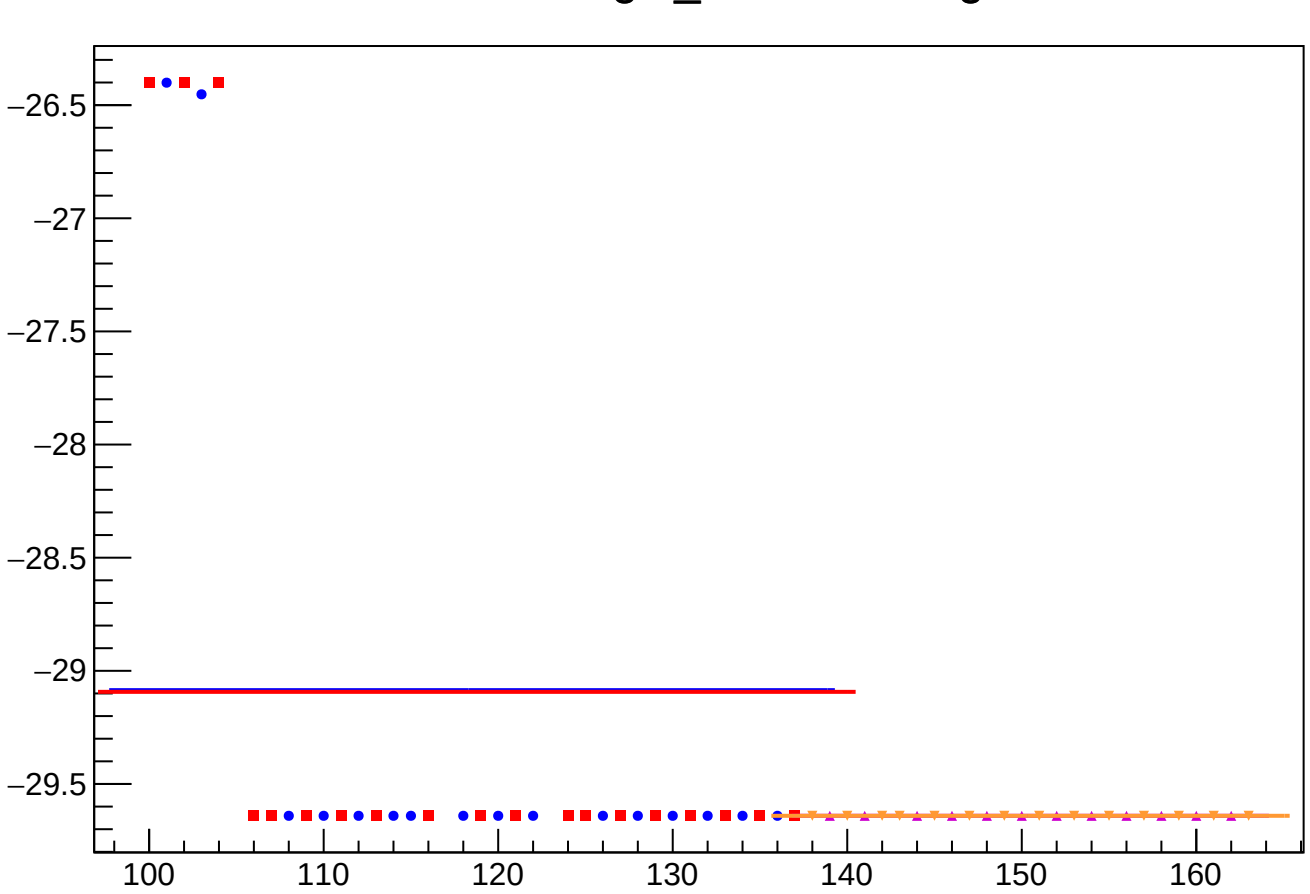
Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: -90.599+/-0.000 χ^2/NDF:767000.0/11

+ sign -21.346+/-0.000 χ^2/NDF: 144712581795918

All: -18.968+/-0.000 χ^2/NDF: 28733987675

- sign -16.497+/-0.000 χ^2/NDF: 1424069352006200



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:178547.6/13

Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:61139.9/11

+ sign -29.425+/-0.000 χ^2/NDF: 123426360565148

All: -29.420+/-0.000 χ^2/NDF: 249359577161

- sign -29.413+/-0.000 χ^2/NDF: 125919825122348

Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

+ sign 1470.174+/-0.000 χ^2/NDF: 12015997558422

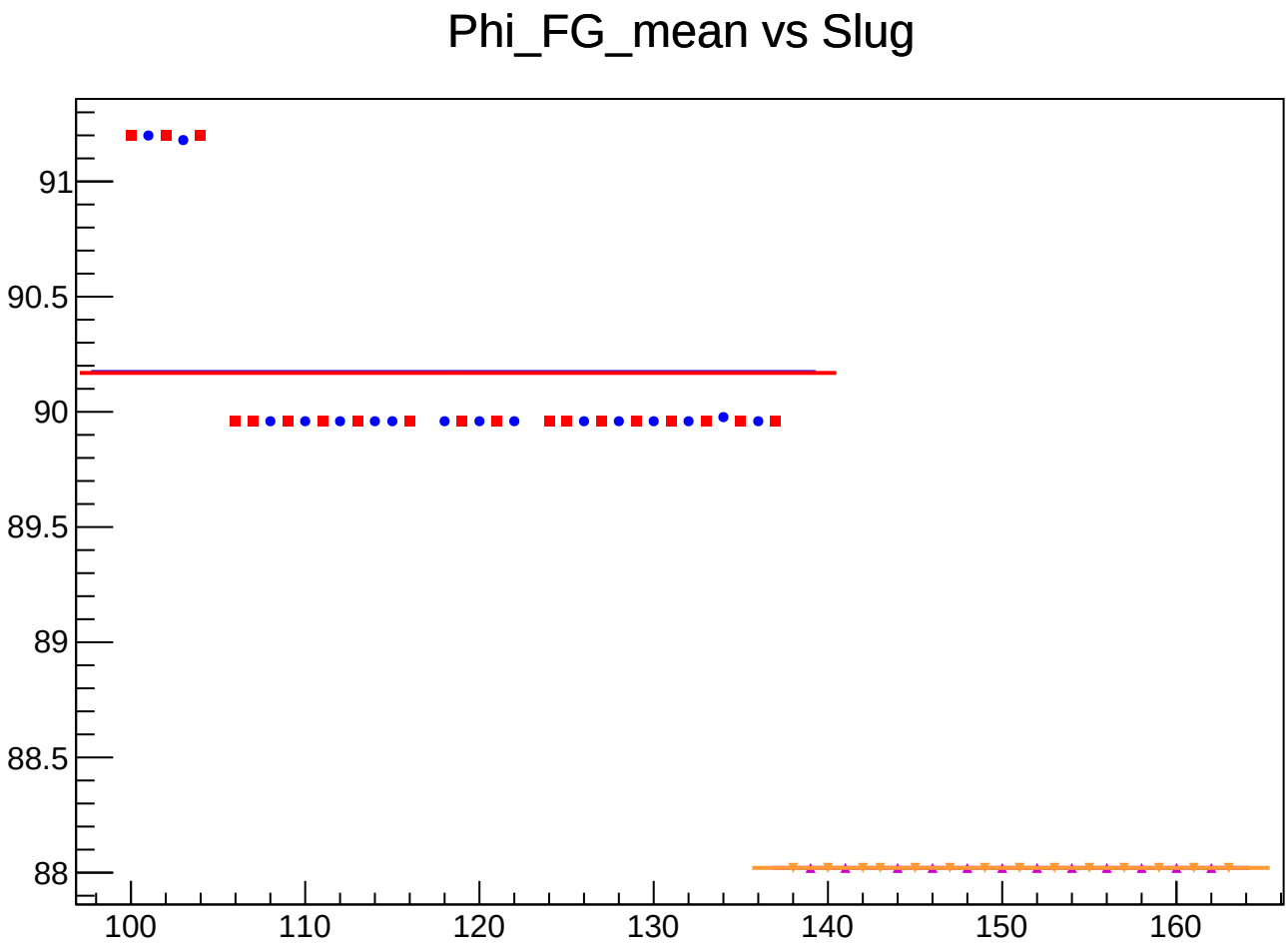
Left Out: 1468.088+/-0.000 χ^2/NDF:135715844162853996425926643023872.0/13

All: 1470.202+/-0.000 χ^2/NDF: 2431097061

Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

- sign 1470.231+/-0.000 χ^2/NDF: 12294662583321

Left In: 1467.989+/-0.000 χ^2/NDF:10758661706711365836432264396 8.0/11



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:2541318.6/13

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: 88.021+/-0.000 χ^2/NDF:473165.1/11

+ sign 88.855+/-0.000 χ^2/NDF: 2261124914087731

All: 88.883+/-0.000 χ^2/NDF: 4489220732607

- sign 88.912+/-0.000 χ^2/NDF: 2225068762594488

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:1320736224040988433339653 12.0/13

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

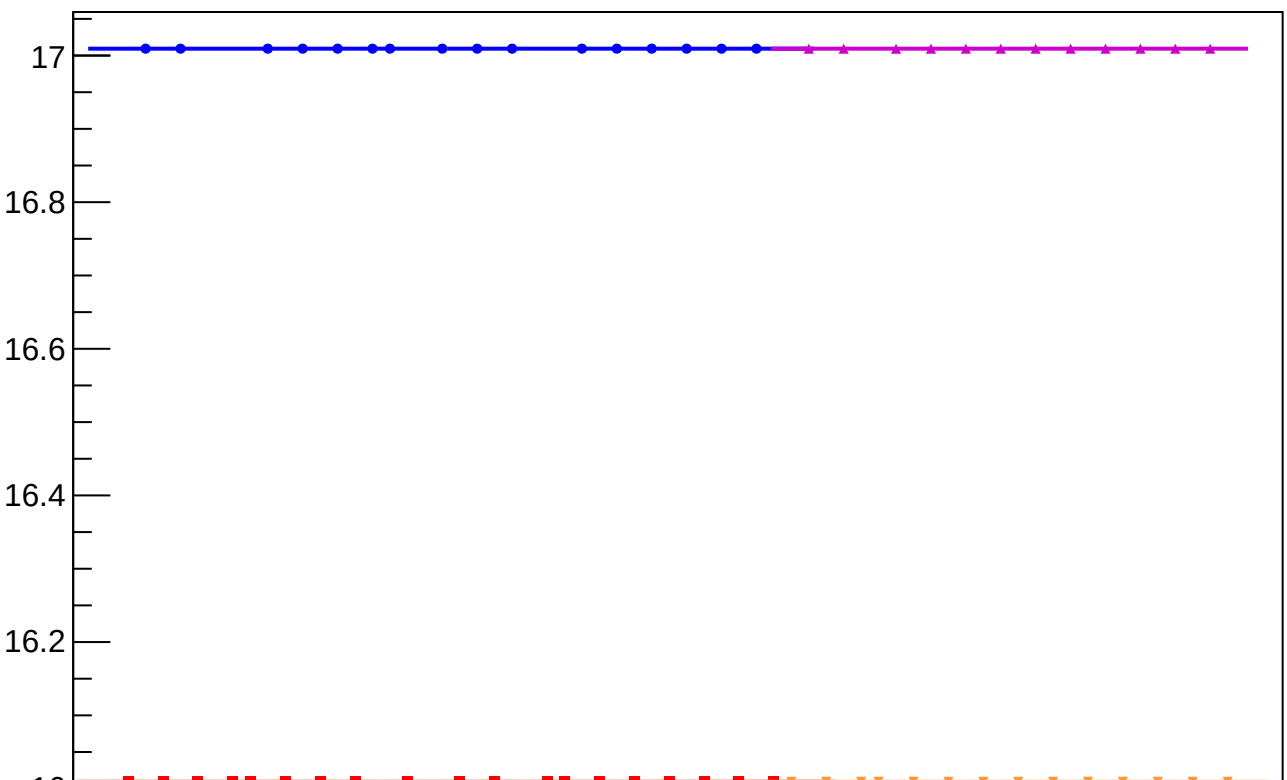
Left In: 16.009+/-0.000 χ^2/NDF:156712.0/11

+ sign 16.610+/-0.000 χ^2/NDF: 4217300621116587

All: 16.516+/-0.000 χ^2/NDF: 8628943689132

- sign 16.418+/-0.000 χ^2/NDF: 4094261535734173

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:50815.3/13

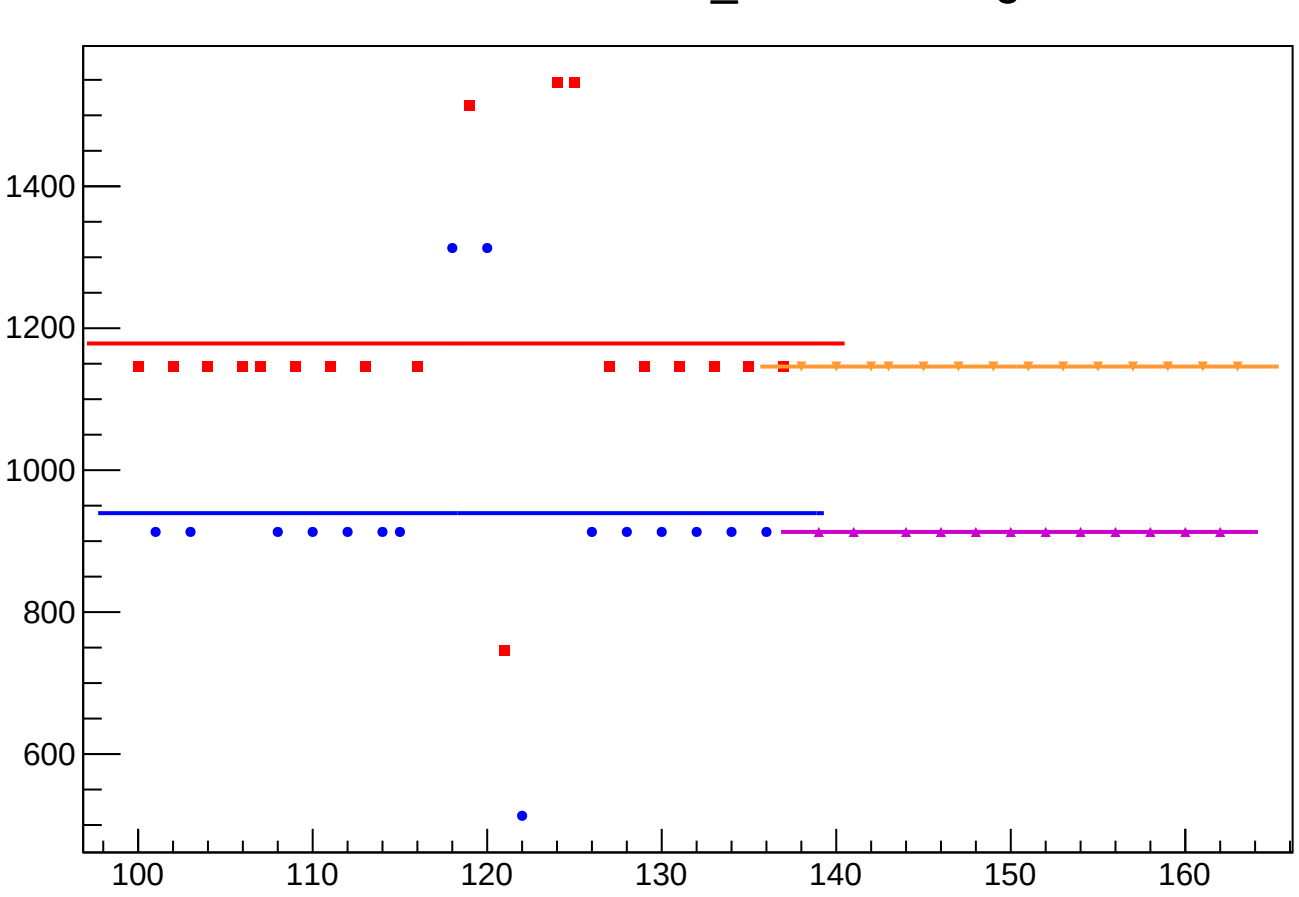
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:16054.9/11

+ sign 16.388+/-0.000 χ^2/NDF: 4394148822269812

All: 16.489+/-0.000 χ^2/NDF: 9209756097560

- sign 16.593+/-0.000 χ^2/NDF: 4428194291986449



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

+ sign 1065.914+/-0.000 χ^2/NDF: 4044078881311

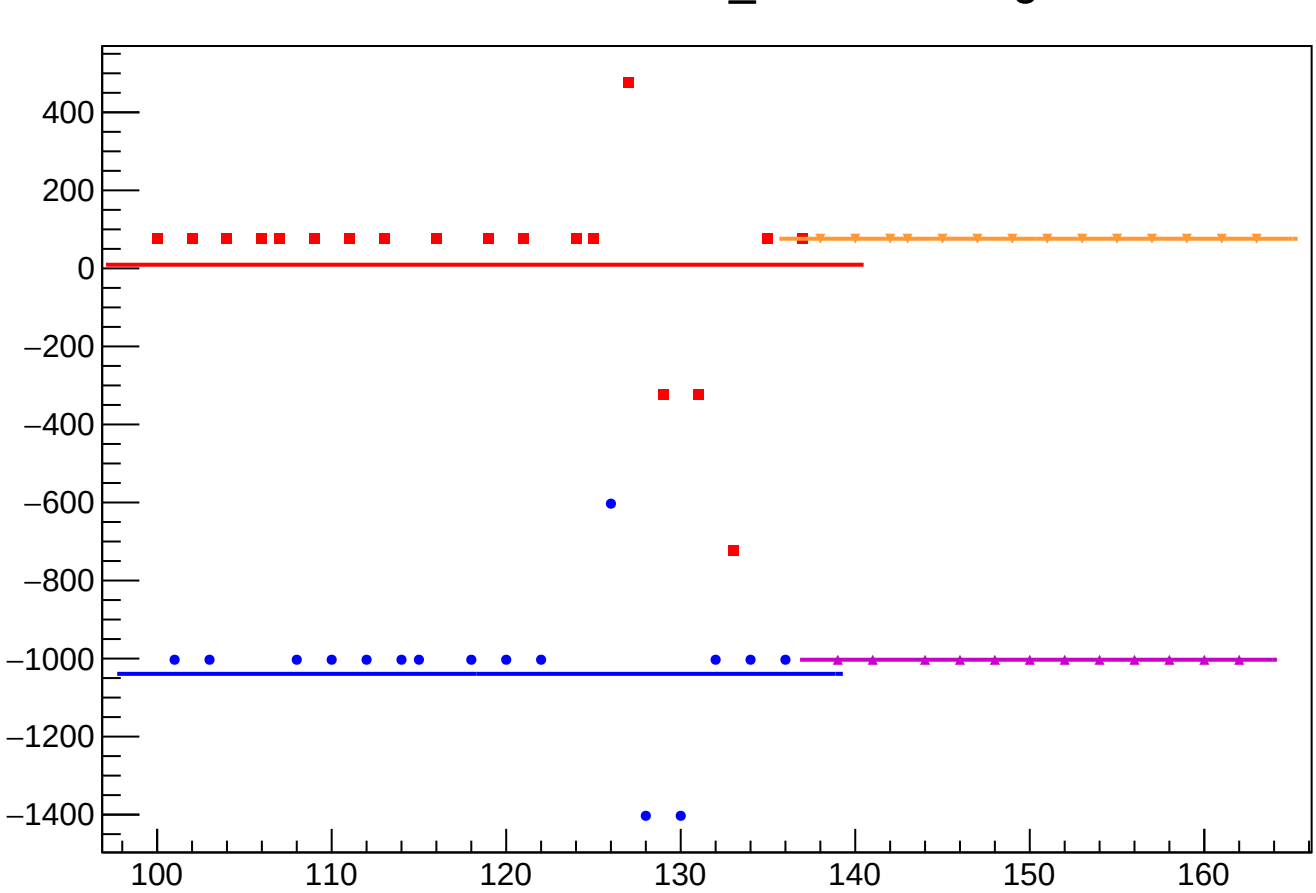
Left Out: 1146.011+/-0.000 χ^2/NDF:490309069397277802234275430 4.0/13

All: 1044.947+/-0.000 χ^2/NDF: 9576786275

Right Out: 1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

- sign 1023.158+/-0.000 χ^2/NDF: 53613831260578

Left In: 912.994+/-0.000 χ^2/NDF:12870840104286166959985262592.0/11



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -356.401+/-0.000 χ^2/NDF: 58705839161267

Left Out: 76.011+/-0.000 χ^2/NDF:8613027272868809168430039040.0/13

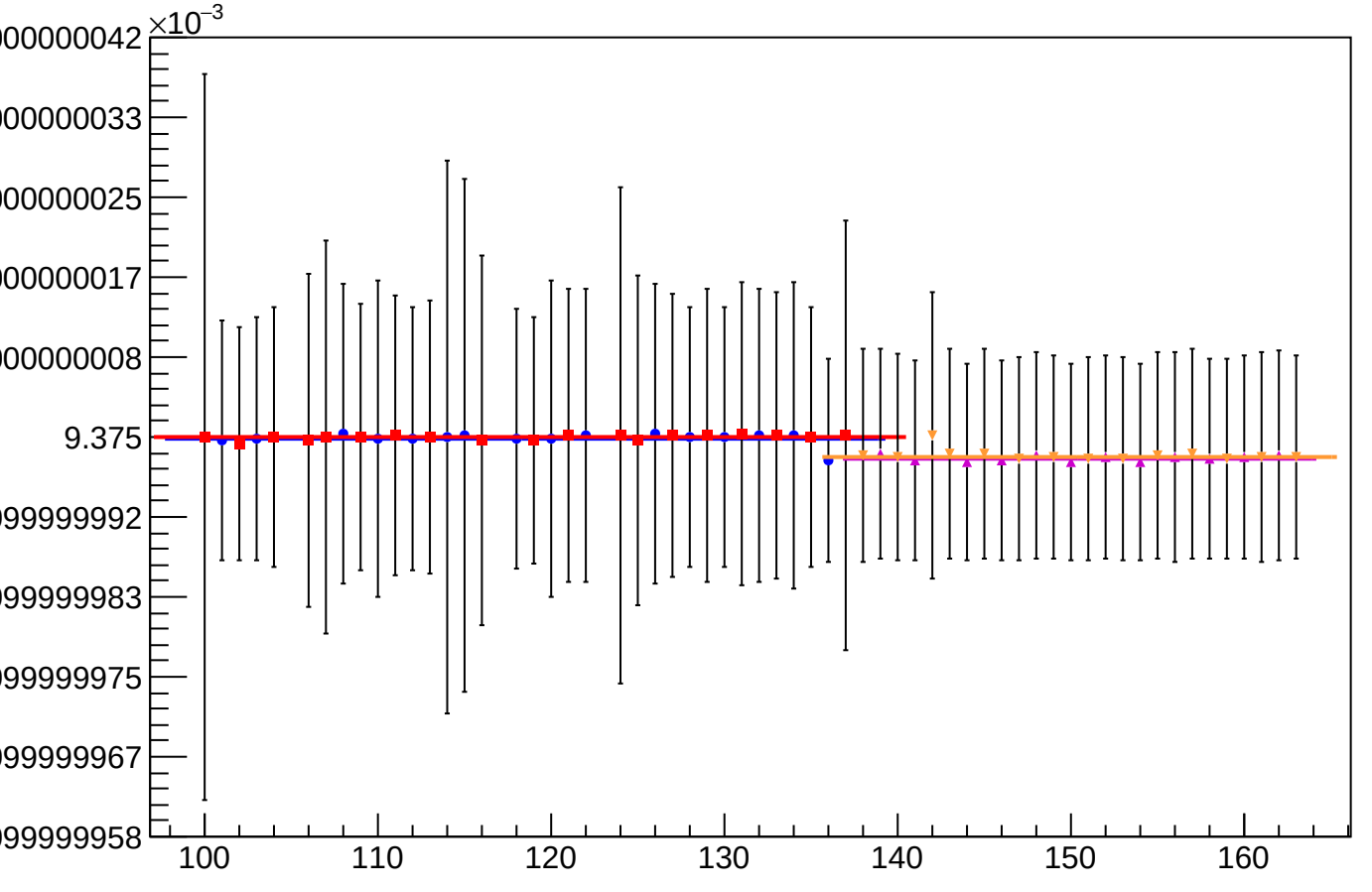
All: -467.494+/-0.000 χ^2/NDF: 1138798737

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -582.937+/-0.000 χ^2/NDF: 503646727076457

Left In: -1002.989+/-0.000 χ^2/NDF:157859545524692671782295961 6.0/11

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

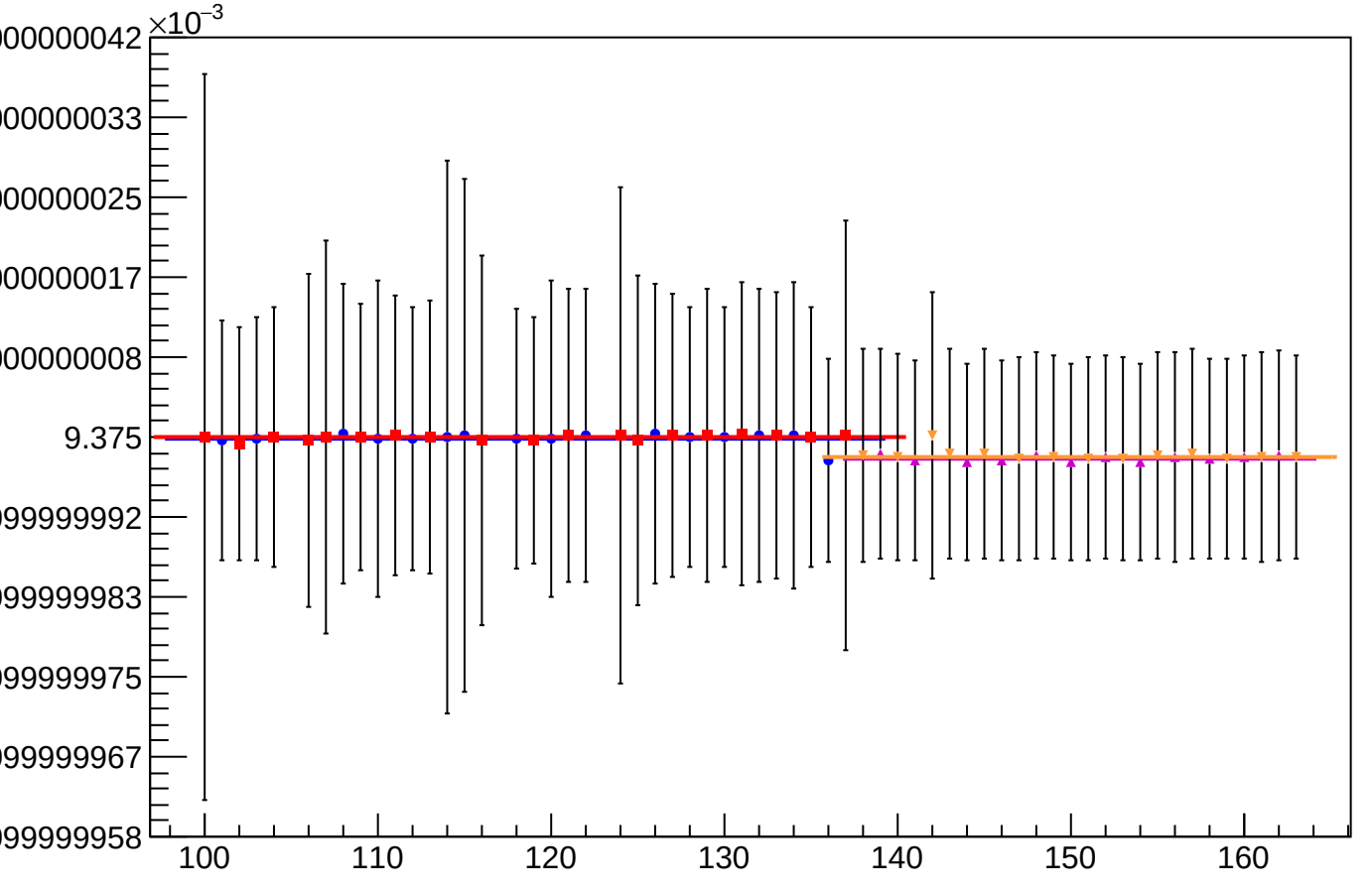
Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30

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:0.0/13

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.0/11

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/29

All: 0.009+/-0.000 χ^2/NDF: 0.5/60

- sign 0.009+/-0.000 χ^2/NDF: 0.2/30