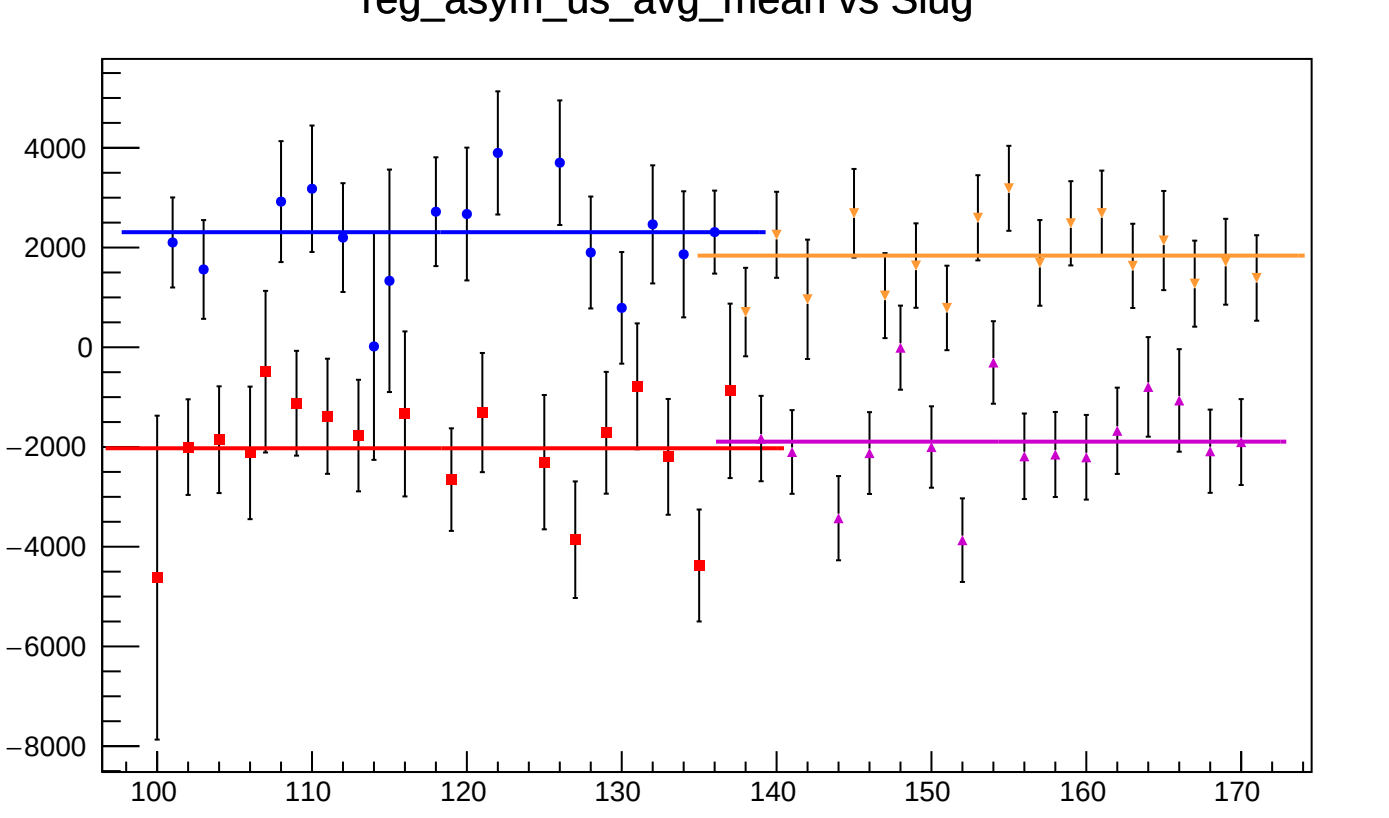


Right In: 2308.155+/-290.431 χ^2/NDF: 7.8/15

Left Out: 1838.350+/-212.829 χ^2/NDF:11.6/16

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

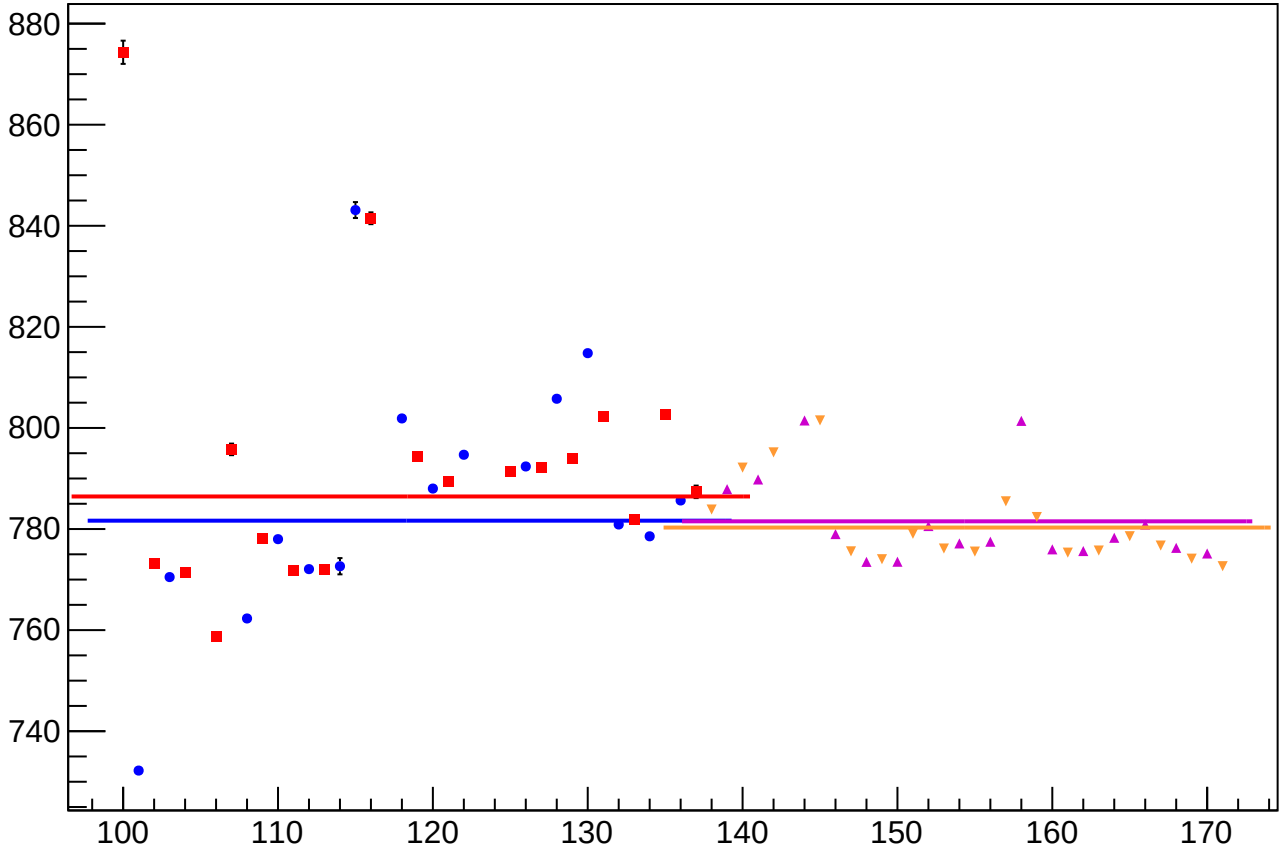
Left In: -1892.914+/-214.947 χ^2/NDF:20.0/15

+ sign 2002.491+/-171.670 χ^2/NDF: 21.1/32

All: 42.369+/-121.731 χ^2/NDF: 315.4/66

- sign -1940.013+/-172.642 χ^2/NDF: 32.1/33

reg_asym_us_avg_rms vs Slug



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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

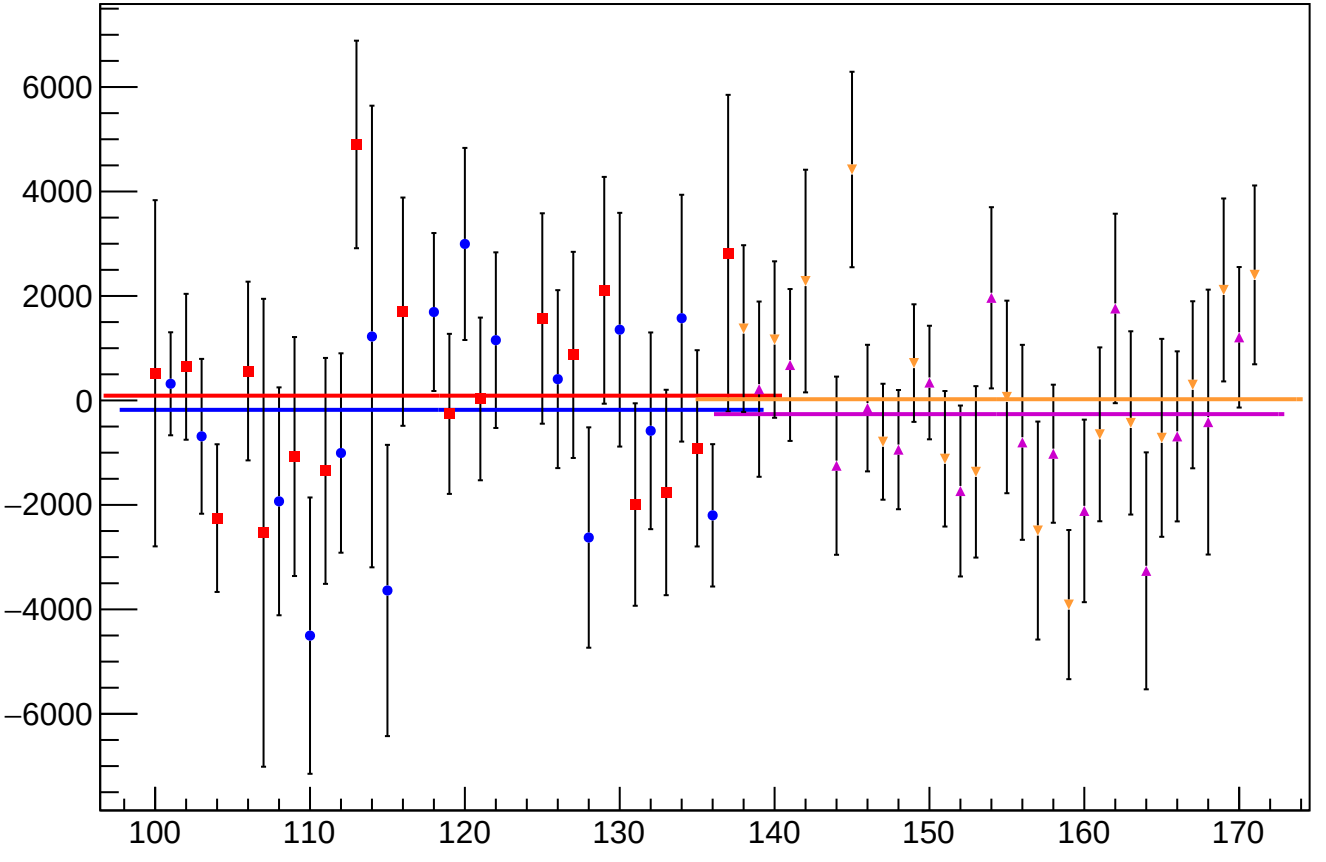
Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

+ sign 780.769+/-0.121 χ^2/NDF: 14999.5/32

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66

- sign 783.272+/-0.122 χ^2/NDF: 10961.2/33

asym_us_avg_reg_correction_mean vs Slug



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

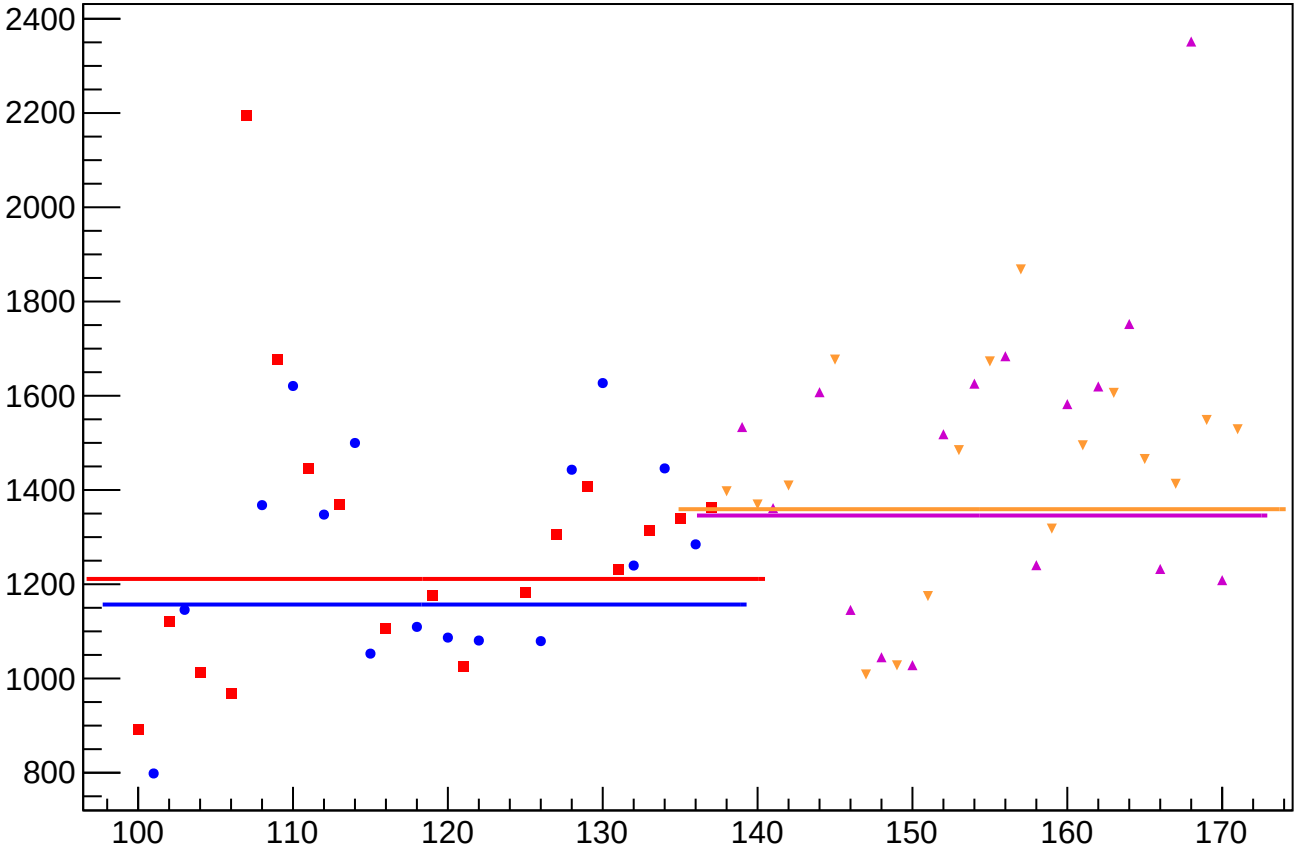
Left In: -262.172+/-379.486 χ^2/NDF:9.8/15

+ sign -63.243+/-287.532 χ^2/NDF: 38.7/32

All: -89.812+/-204.662 χ^2/NDF: 64.0/66

- sign -117.096+/-291.379 χ^2/NDF: 25.3/33

asym_us_avg_reg_correction_rms vs Slug



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

Left Out: 1359.291+/-0.268 χ^2/NDF:768154.1/16

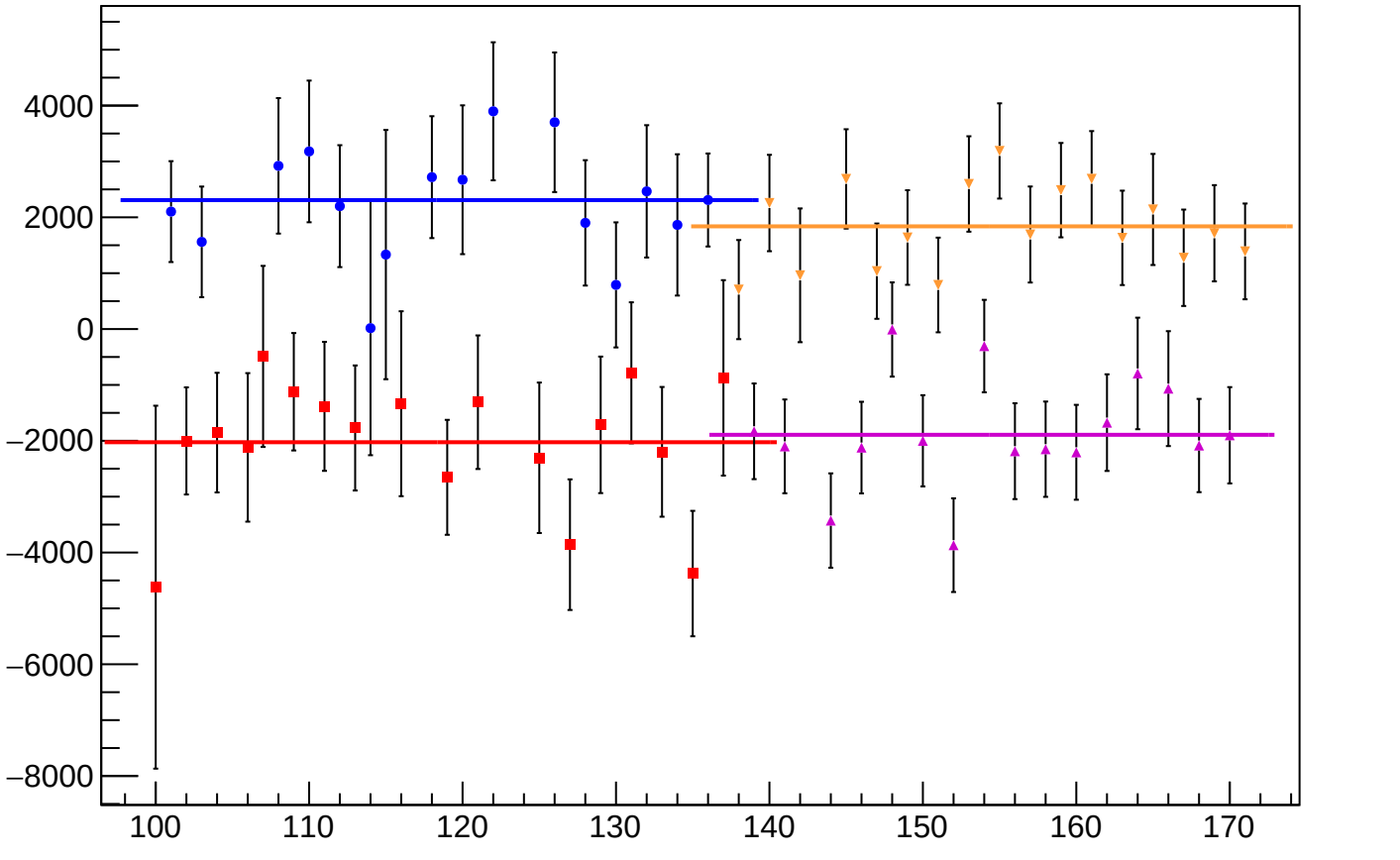
Right Out: 1211.264+/-0.322 χ^2/NDF: 397714.5/17

Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

+ sign 1273.185+/-0.203 χ^2/NDF: 1579397.3/32

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66

- sign 1290.611+/-0.206 χ^2/NDF: 1581893.7/33



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

Left Out: 1838.350+/-212.829 χ^2/NDF:11.6/16

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

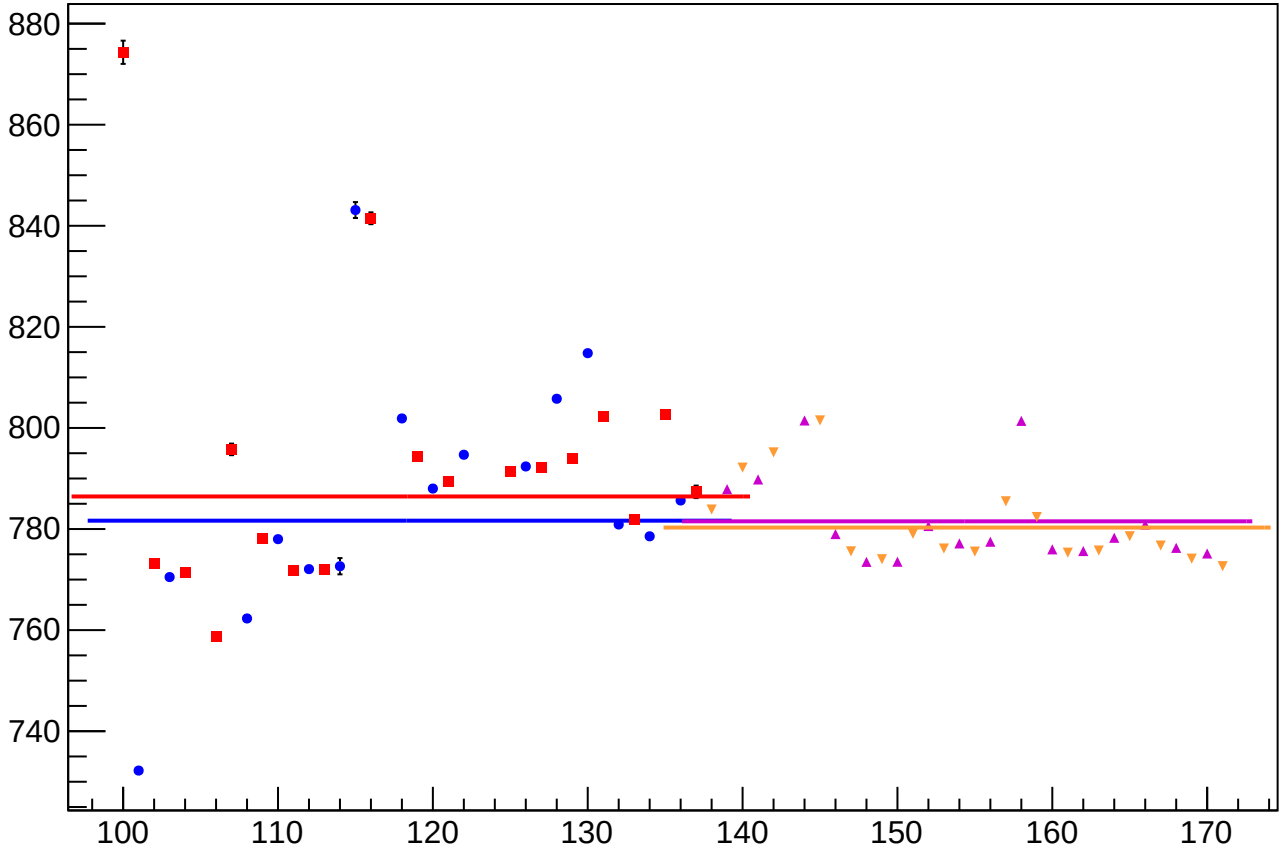
Left In: -1892.914+/-214.947 χ^2/NDF:20.0/15

+ sign 2002.491+/-171.670 χ^2/NDF: 21.1/32

All: 42.369+/-121.731 χ^2/NDF: 315.4/66

- sign -1940.013+/-172.642 χ^2/NDF: 32.1/33

cor_asym_us_avg_rms vs Slug



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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

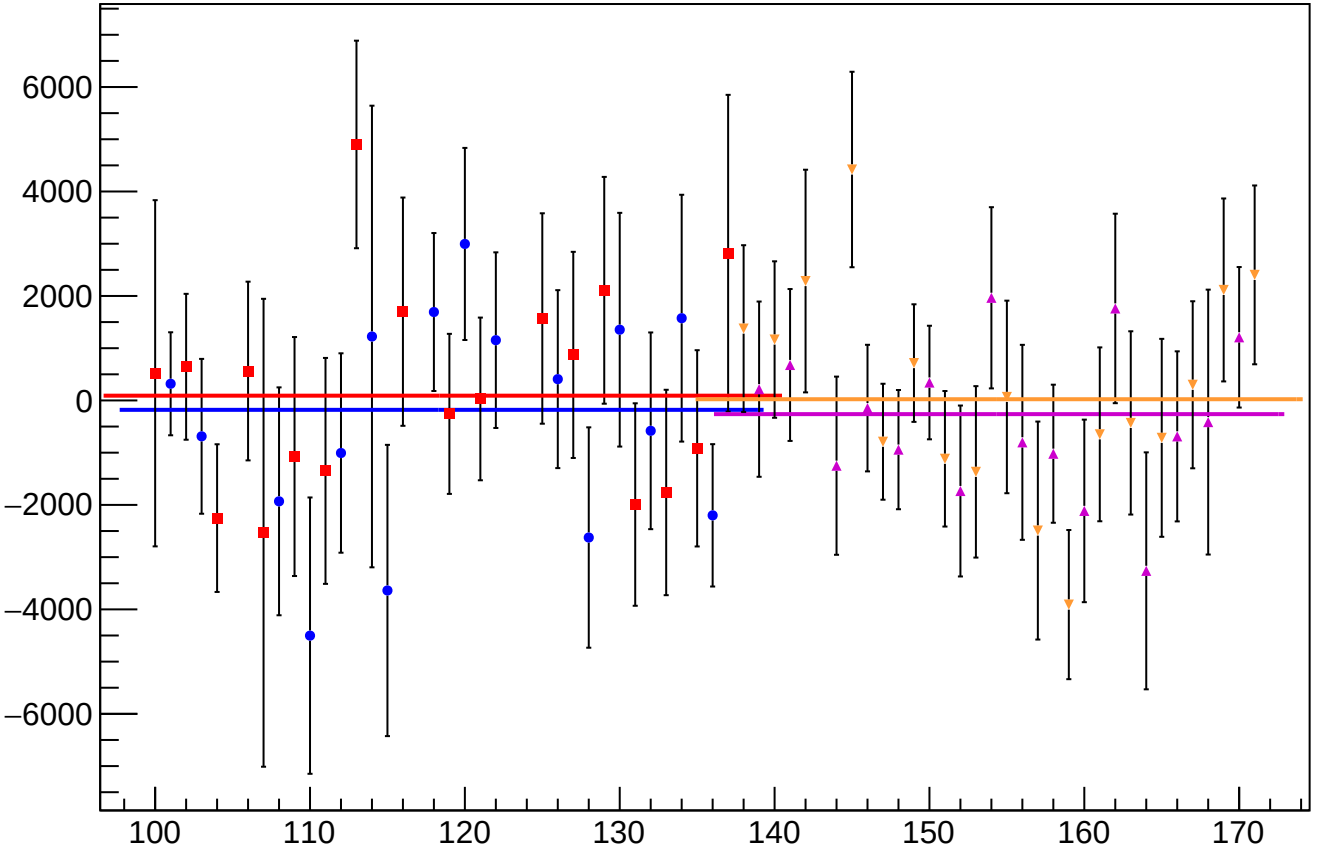
Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

+ sign 780.769+/-0.121 χ^2/NDF: 14999.5/32

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66

- sign 783.272+/-0.122 χ^2/NDF: 10961.2/33

asym_us_avg_cor_correction_mean vs Slug



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

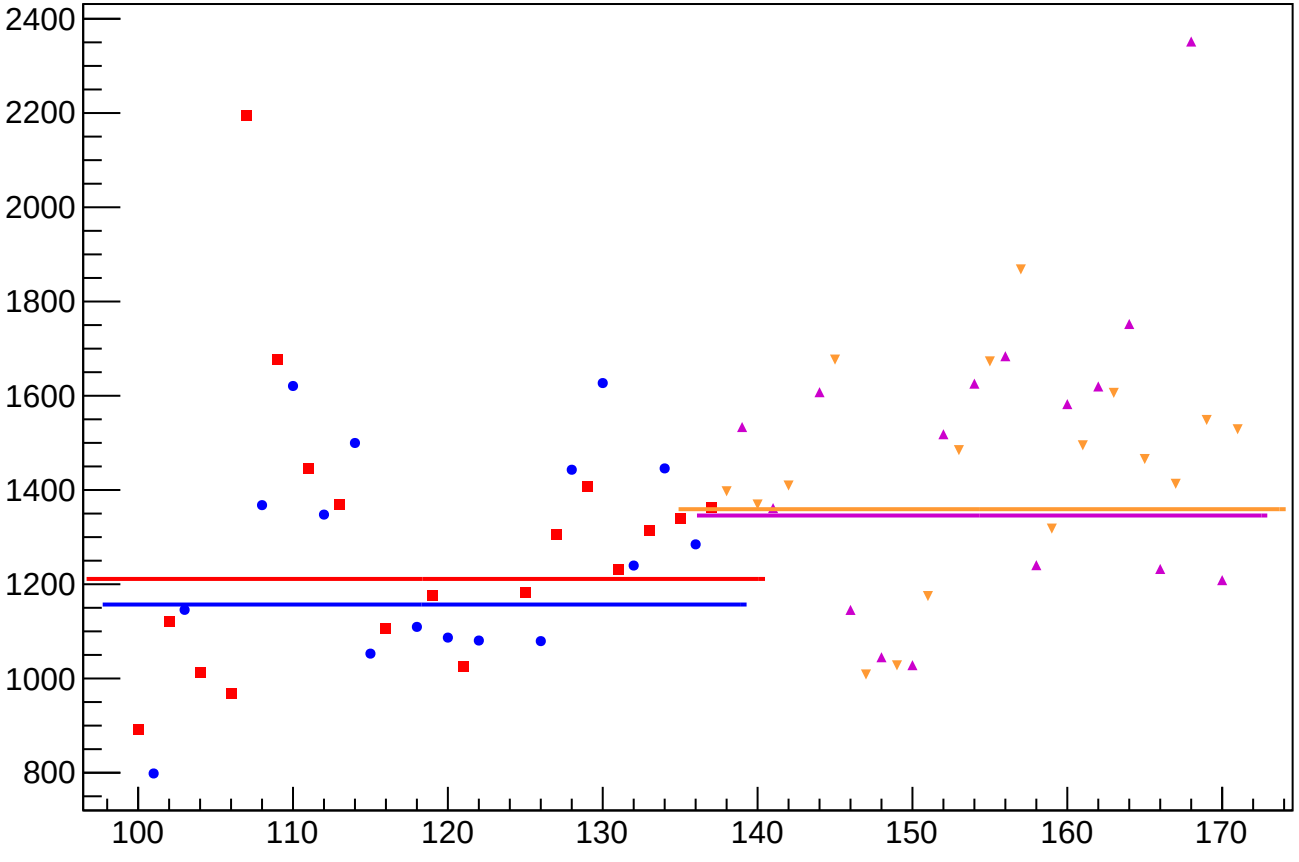
Left In: -262.172+/-379.486 χ^2/NDF:9.8/15

+ sign -63.243+/-287.532 χ^2/NDF: 38.7/32

All: -89.812+/-204.662 χ^2/NDF: 64.0/66

- sign -117.096+/-291.379 χ^2/NDF: 25.3/33

asym_us_avg_cor_correction_rms vs Slug



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

Left Out: 1359.291+/-0.268 χ^2/NDF:768154.1/16

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

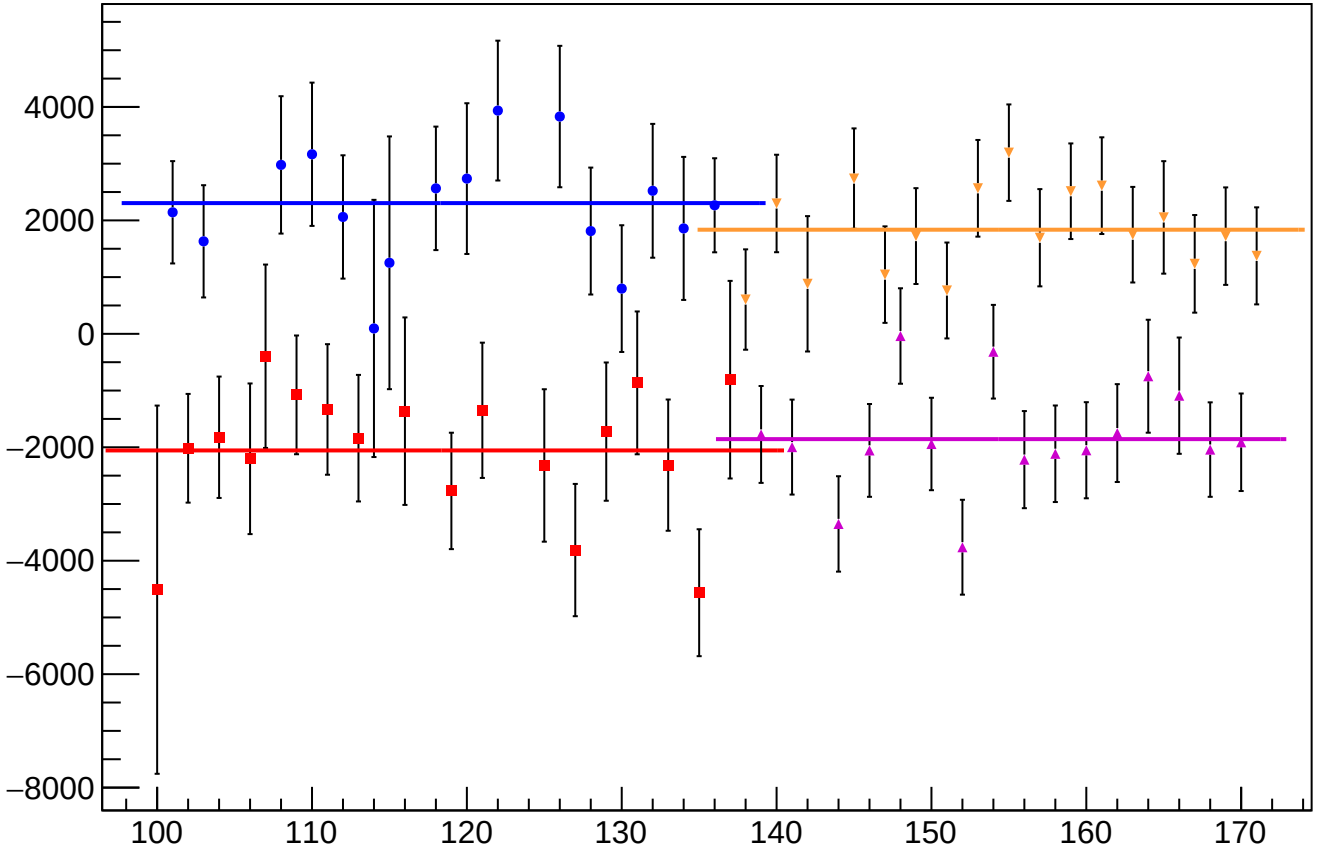
Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

+ sign 1273.185+/-0.203 χ^2/NDF: 1579397.3/32

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66

- sign 1290.611+/-0.206 χ^2/NDF: 1581893.7/33

overload_cor_asym_us_avg_mean vs Slug



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

Left Out: 1835.738+/-212.272 χ^2/NDF:12.0/16

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

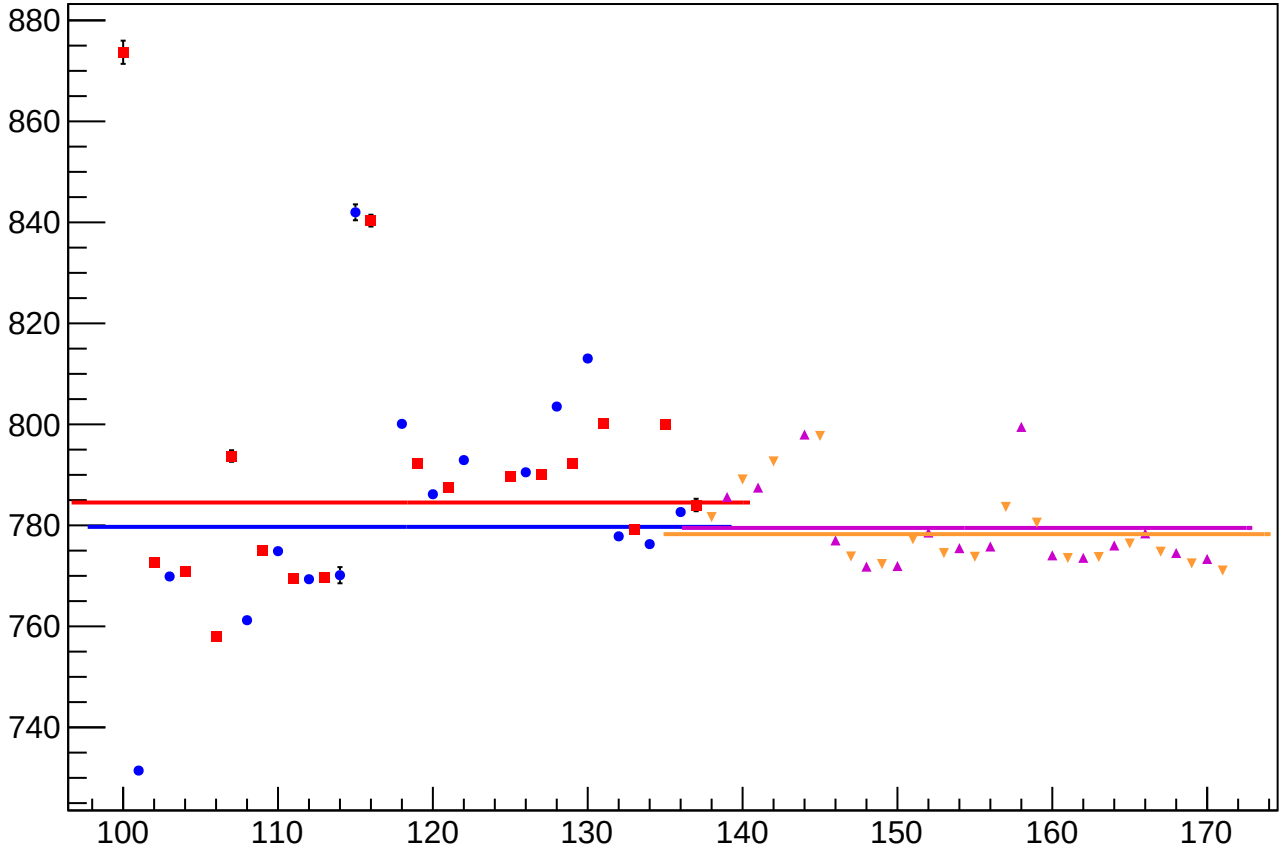
Left In: -1856.180+/-214.387 χ^2/NDF:18.8/15

+ sign 1999.615+/-171.227 χ^2/NDF: 21.8/32

All: 47.470+/-121.419 χ^2/NDF: 315.2/66

- sign -1926.963+/-172.202 χ^2/NDF: 32.0/33

overload_cor_asym_us_avg_rms vs Slug



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

Left Out: 778.263+/-0.150 χ^2/NDF:2339.0/16

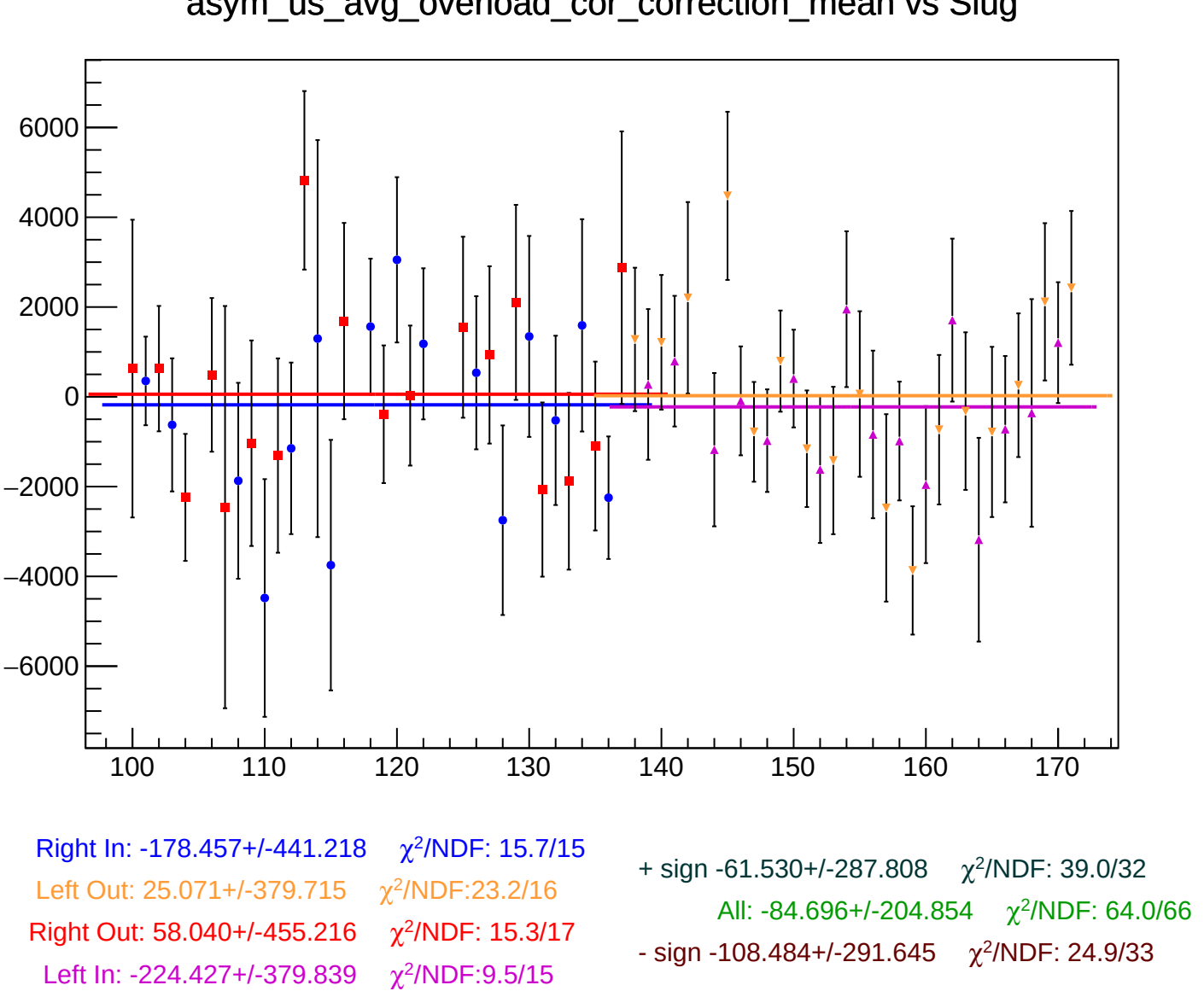
Right Out: 784.524+/-0.204 χ^2/NDF: 7160.0/17

Left In: 779.495+/-0.152 χ^2/NDF:3174.1/15

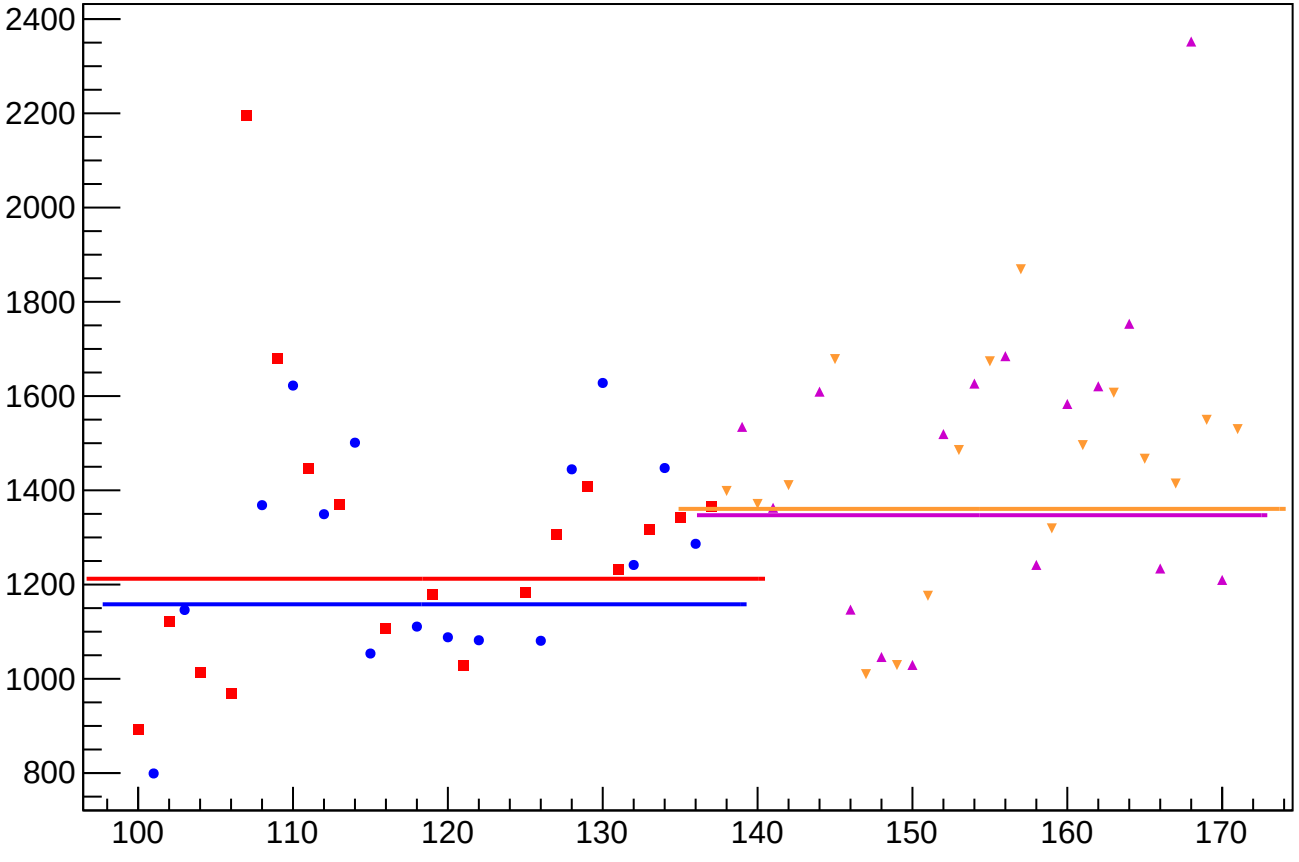
+ sign 778.766+/-0.121 χ^2/NDF: 14431.3/32

All: 780.016+/-0.086 χ^2/NDF: 25370.2/66

- sign 781.280+/-0.122 χ^2/NDF: 10724.6/33


asym_us_avg_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 25.071+/-379.715 χ²/NDF:23.2/16
Right Out: 58.040+/-455.216 χ²/NDF: 15.3/17
Left In: -224.427+/-379.839 χ²/NDF:9.5/15
+ sign -61.530+/-287.808 χ²/NDF: 39.0/32
All: -84.696+/-204.854 χ²/NDF: 64.0/66
- sign -108.484+/-291.645 χ²/NDF: 24.9/33

asym_us_avg_overload_cor_correction_rms vs Slug



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

Left Out: 1360.629+/-0.268 χ^2/NDF:765997.2/16

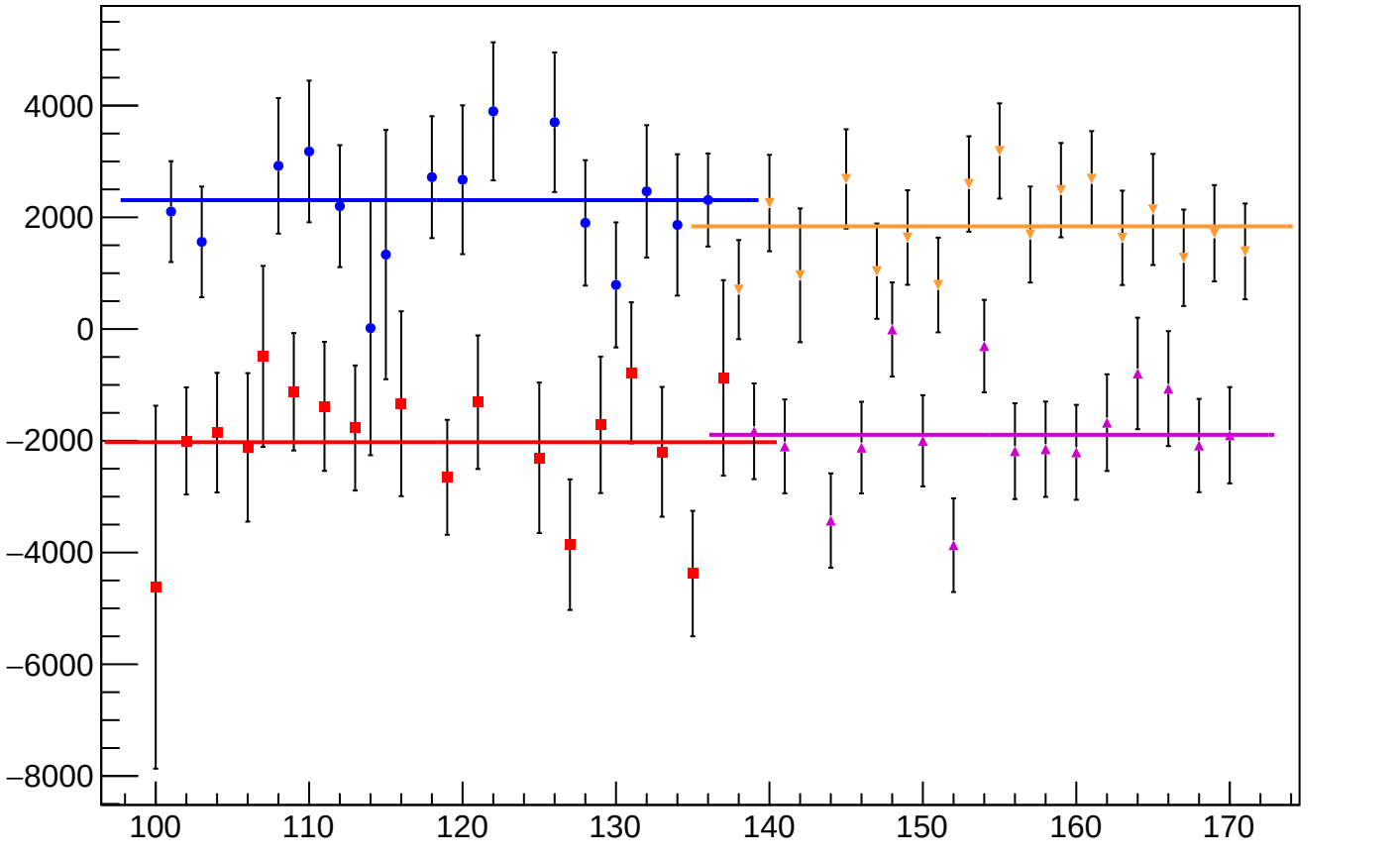
Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

Left In: 1347.179+/-0.269 χ^2/NDF:1078525.7/15

+ sign 1274.467+/-0.204 χ^2/NDF: 1577157.8/32

All: 1283.036+/-0.145 χ^2/NDF: 3160656.4/66

- sign 1291.835+/-0.206 χ^2/NDF: 1579905.2/33



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

Left Out: 1838.350+/-212.829 χ^2/NDF:11.6/16

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

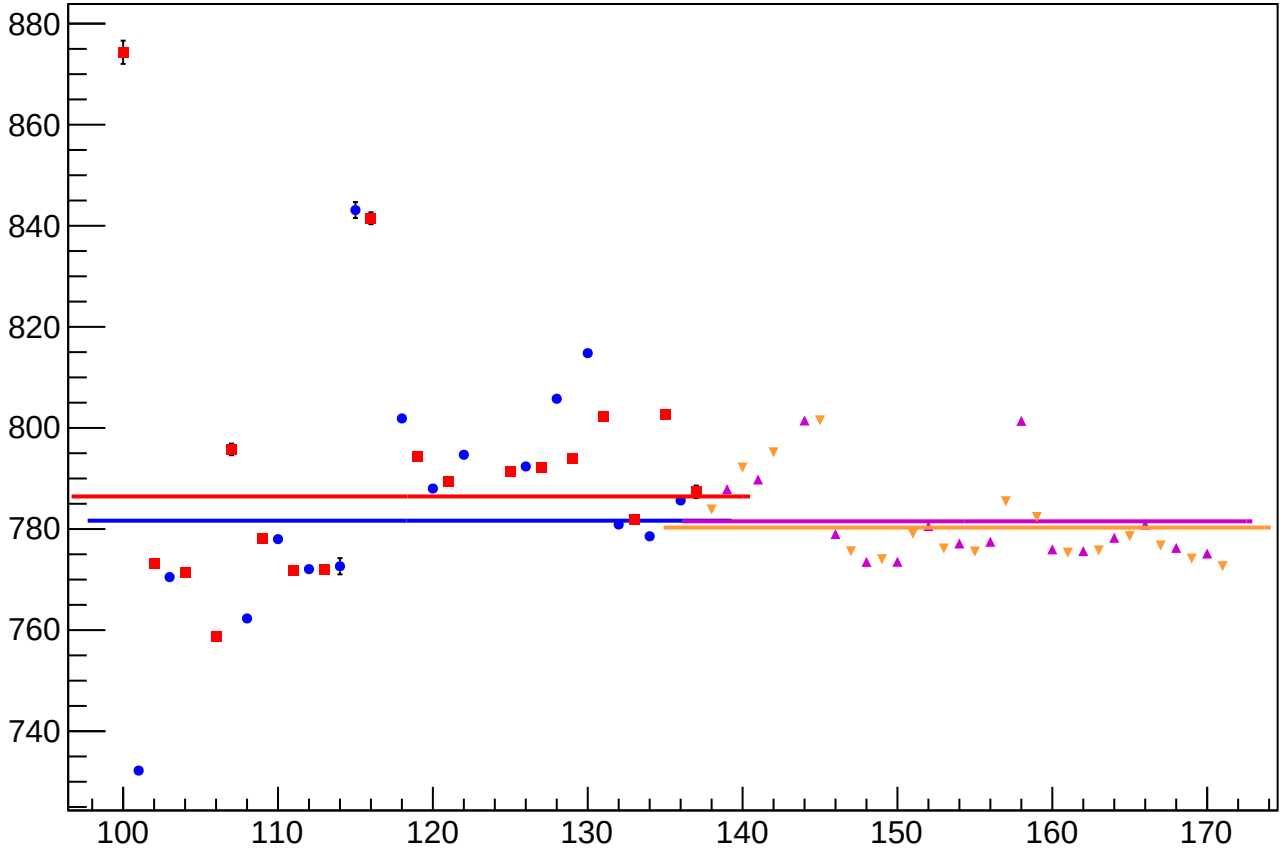
Left In: -1892.914+/-214.947 χ^2/NDF:20.0/15

+ sign 2002.491+/-171.670 χ^2/NDF: 21.1/32

All: 42.369+/-121.731 χ^2/NDF: 315.4/66

- sign -1940.013+/-172.642 χ^2/NDF: 32.1/33

eigen_cor_asym_us_avg_rms vs Slug



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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

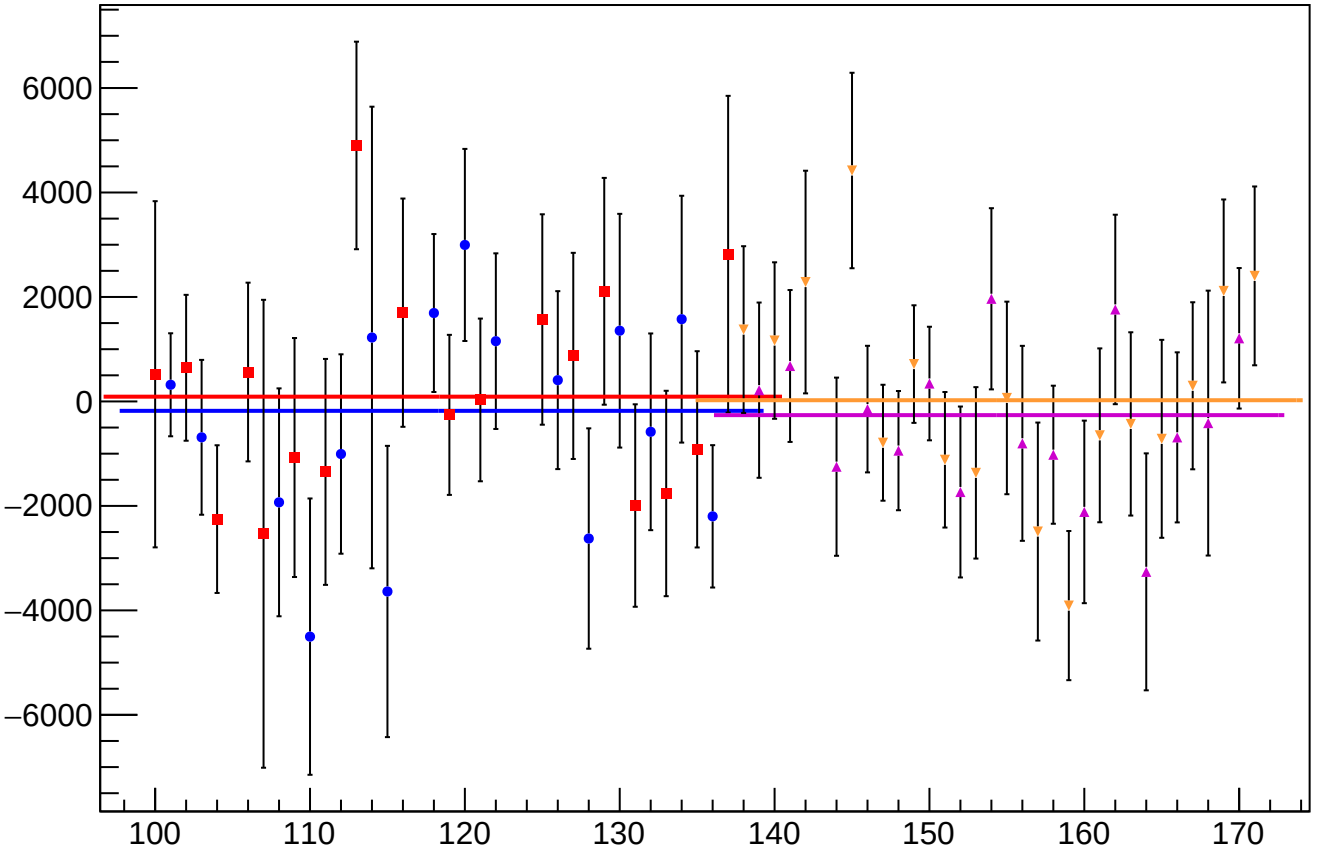
Left In: 781.527+/-0.152 χ^2/NDF:3388.3/15

+ sign 780.769+/-0.121 χ^2/NDF: 14999.5/32

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66

- sign 783.272+/-0.122 χ^2/NDF: 10961.2/33

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

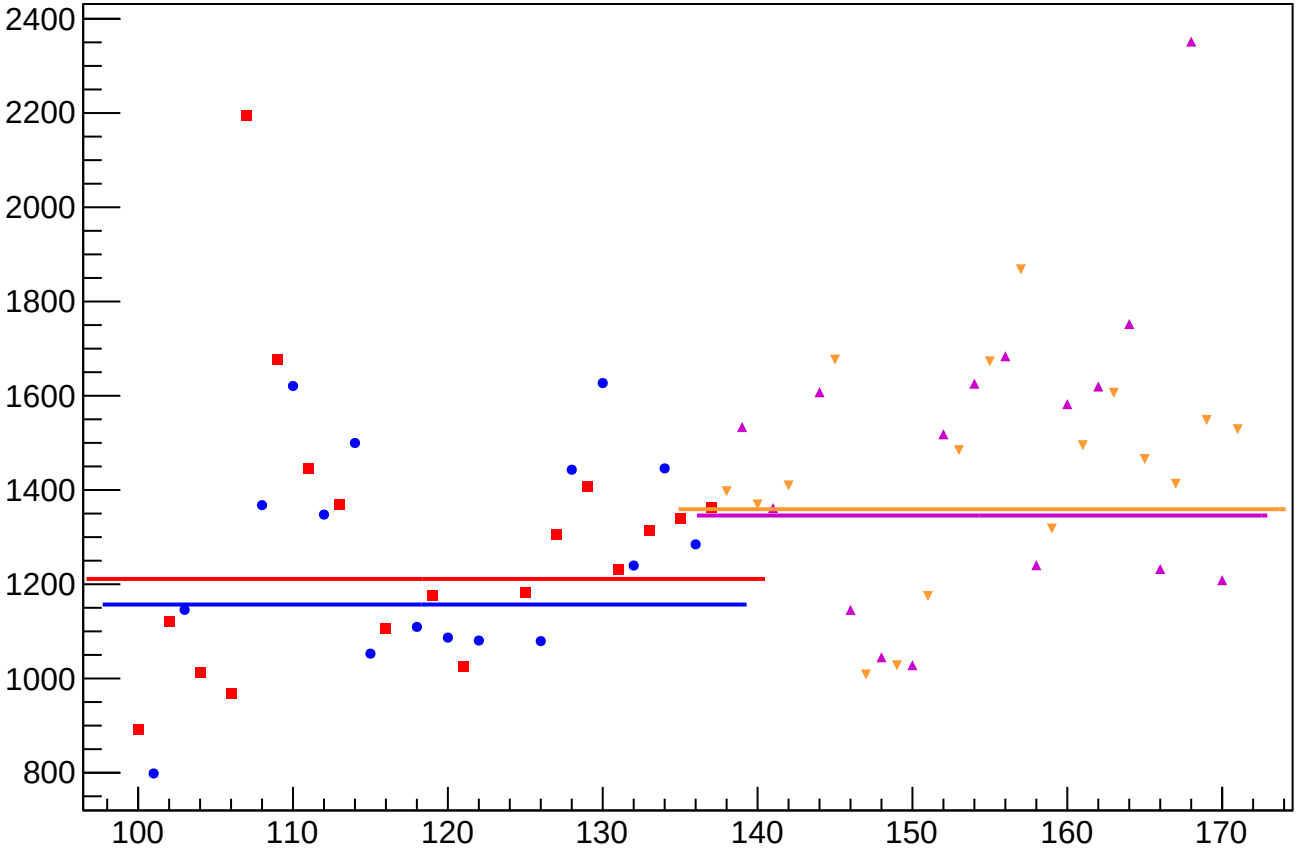
Left In: -262.172+/-379.486 χ^2/NDF:9.8/15

+ sign -63.243+/-287.532 χ^2/NDF: 38.7/32

All: -89.812+/-204.662 χ^2/NDF: 64.0/66

- sign -117.096+/-291.379 χ^2/NDF: 25.3/33

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Left Out: 1359.291+/-0.268 χ^2/NDF:768154.1/16

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

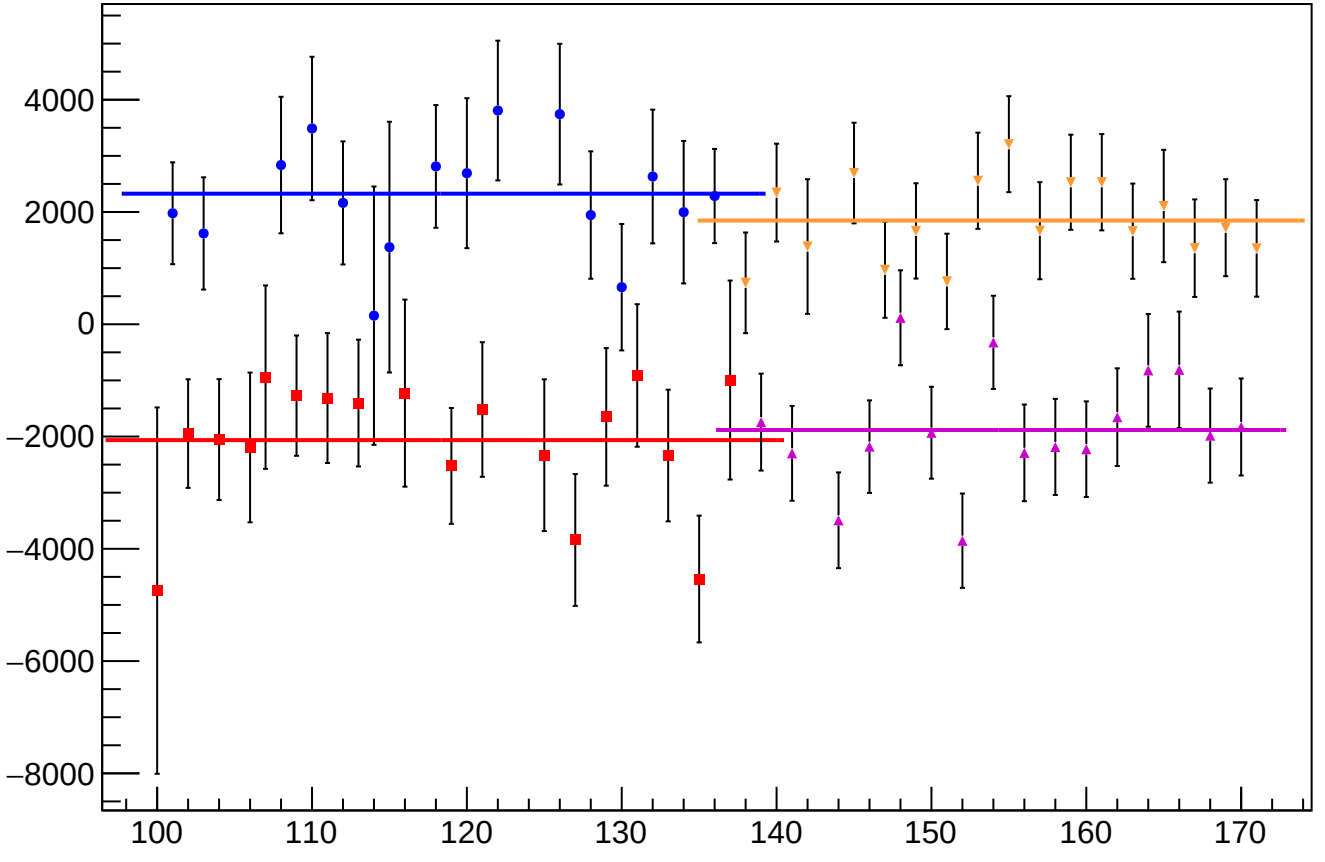
Left In: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

+ sign 1273.185+/-0.203 χ^2/NDF: 1579397.3/32

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66

- sign 1290.611+/-0.206 χ^2/NDF: 1581893.7/33

dit_asym_us_avg_mean vs Slug



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

Left Out: 1848.398+/-213.864 χ^2/NDF:11.0/16

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

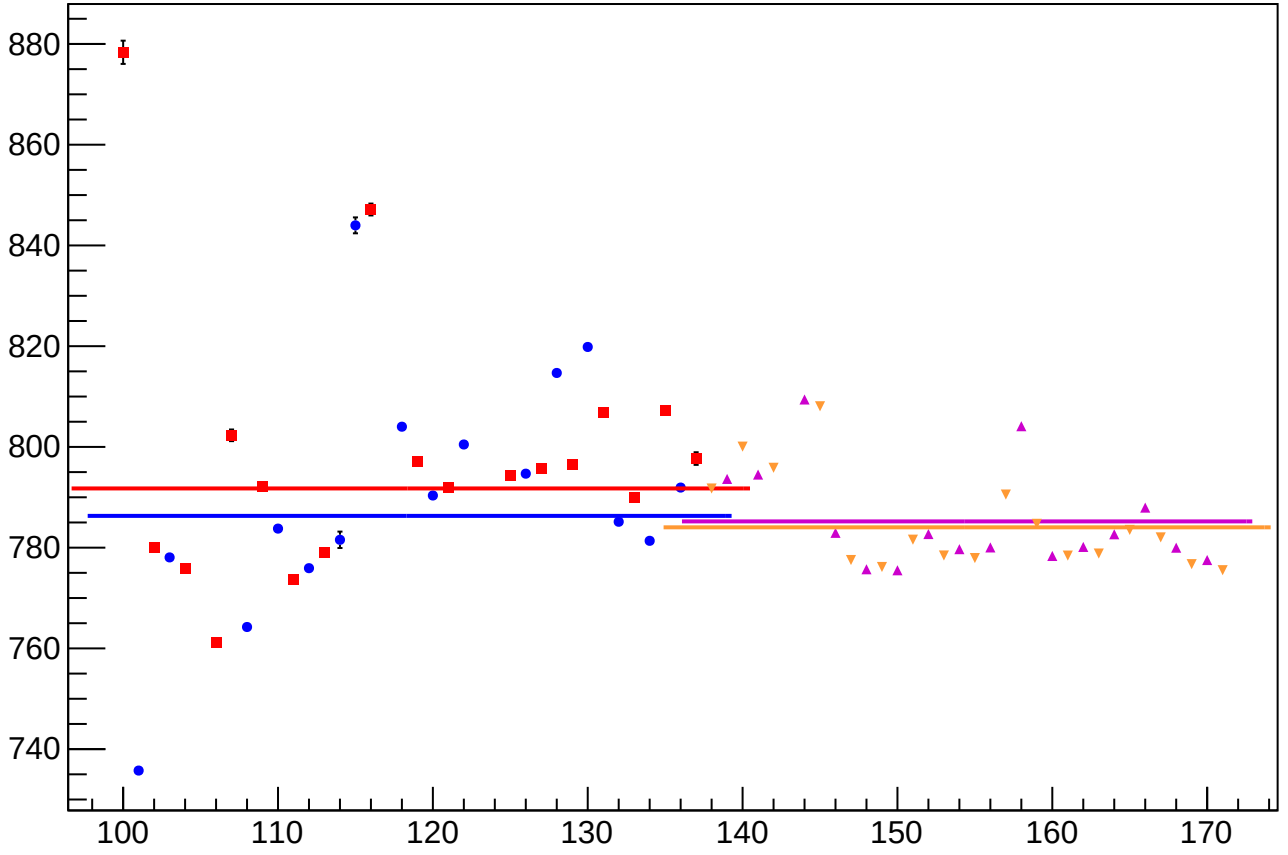
Left In: -1883.298+/-215.971 χ^2/NDF:21.4/15

+ sign 2015.167+/-172.573 χ^2/NDF: 20.9/32

All: 45.637+/-122.387 χ^2/NDF: 316.1/66

- sign -1947.247+/-173.593 χ^2/NDF: 33.2/33

dit_asym_us_avg_rms vs Slug



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

Left Out: 784.036+/-0.151 χ^2/NDF:3571.4/16

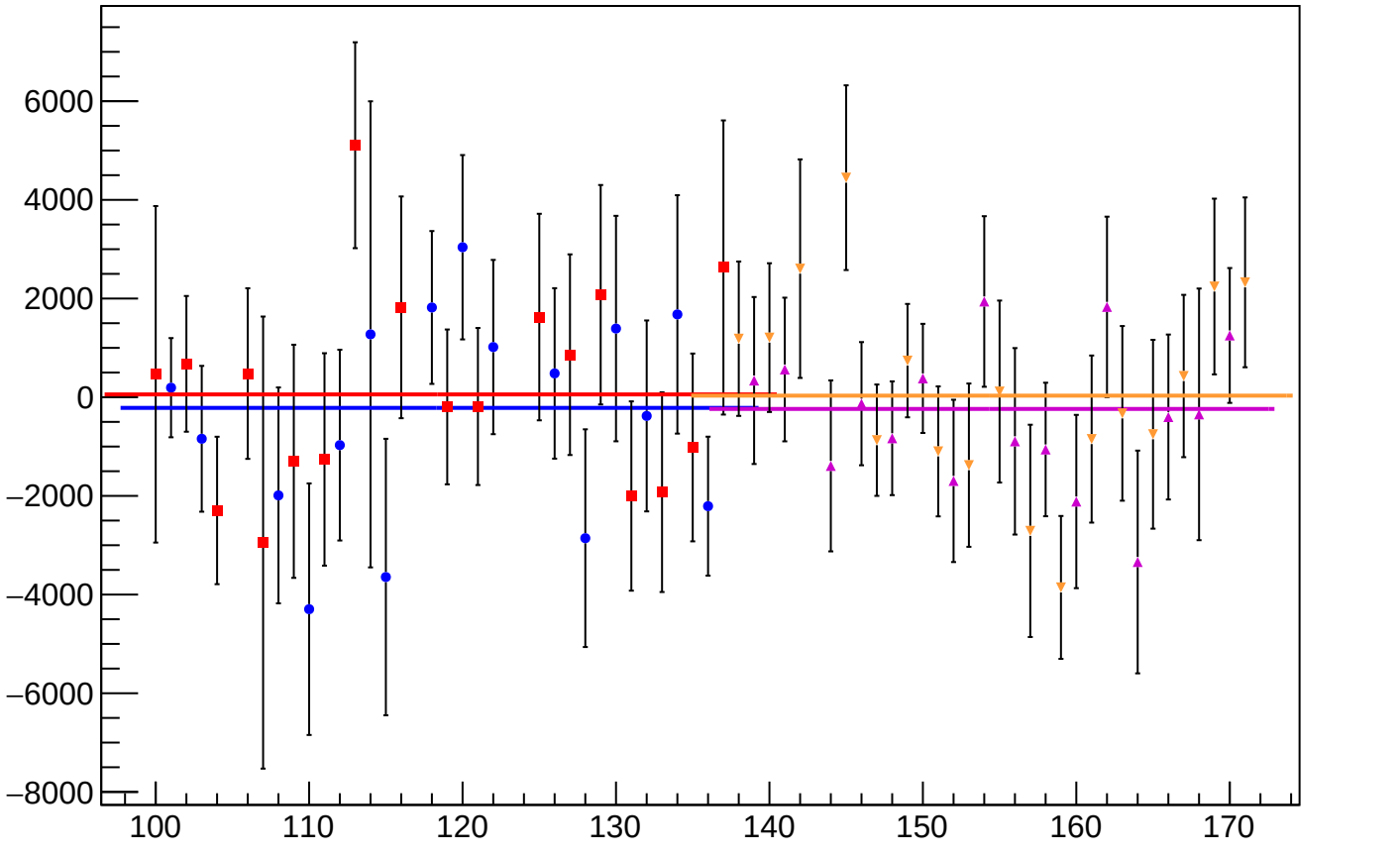
Right Out: 791.756+/-0.206 χ^2/NDF: 7015.1/17

Left In: 785.213+/-0.153 χ^2/NDF:4204.1/15

+ sign 784.829+/-0.122 χ^2/NDF: 16221.3/32

All: 786.171+/-0.087 χ^2/NDF: 28333.6/66

- sign 787.529+/-0.123 χ^2/NDF: 11868.9/33



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

Left Out: 31.867+/-384.260 χ^2/NDF:23.2/16

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

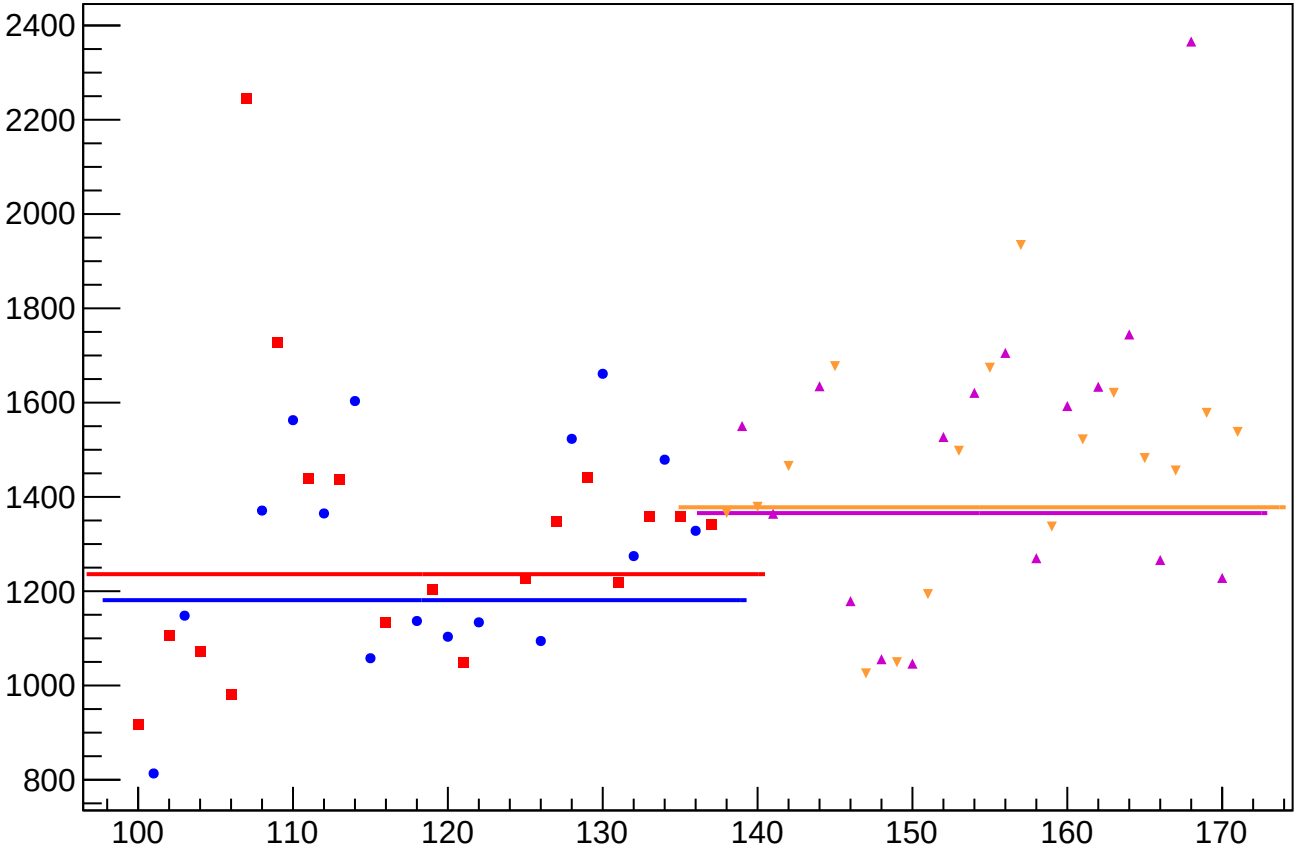
Left In: -237.472+/-384.518 χ^2/NDF:9.8/15

+ sign -72.857+/-292.091 χ^2/NDF: 38.7/32

All: -94.956+/-207.929 χ^2/NDF: 63.9/66

- sign -117.661+/-296.062 χ^2/NDF: 25.2/33

asym_us_avg_dit_correction_rms vs Slug



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

Left Out: 1378.066+/-0.272 χ^2/NDF:754493.1/16

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

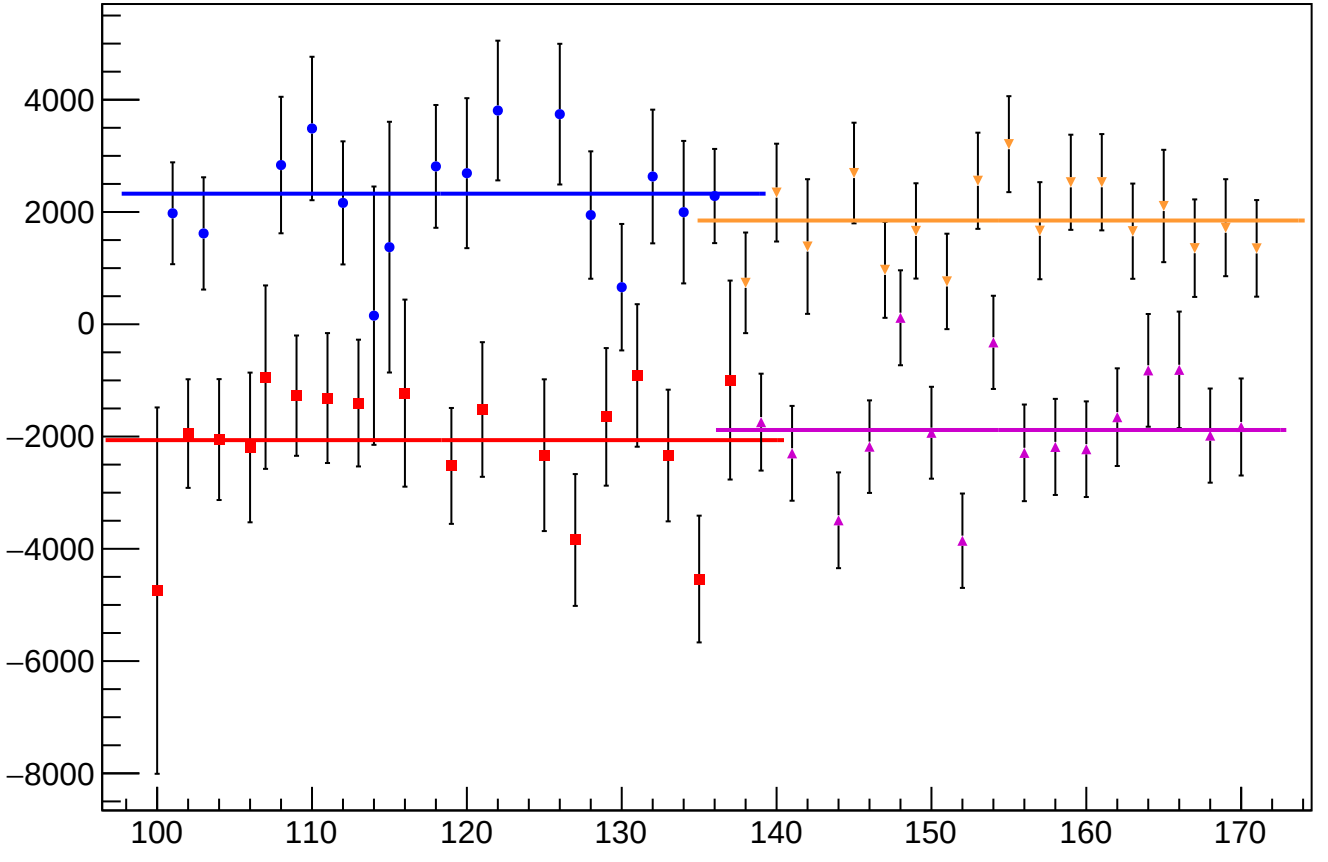
Left In: 1365.697+/-0.272 χ^2/NDF:1033442.6/15

+ sign 1294.866+/-0.207 χ^2/NDF: 1547684.8/32

All: 1303.783+/-0.147 χ^2/NDF: 3074602.1/66

- sign 1312.943+/-0.209 χ^2/NDF: 1523138.8/33

eigen_dit_asym_us_avg_mean vs Slug



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

Left Out: 1848.395+/-213.864 χ^2/NDF:11.0/16

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

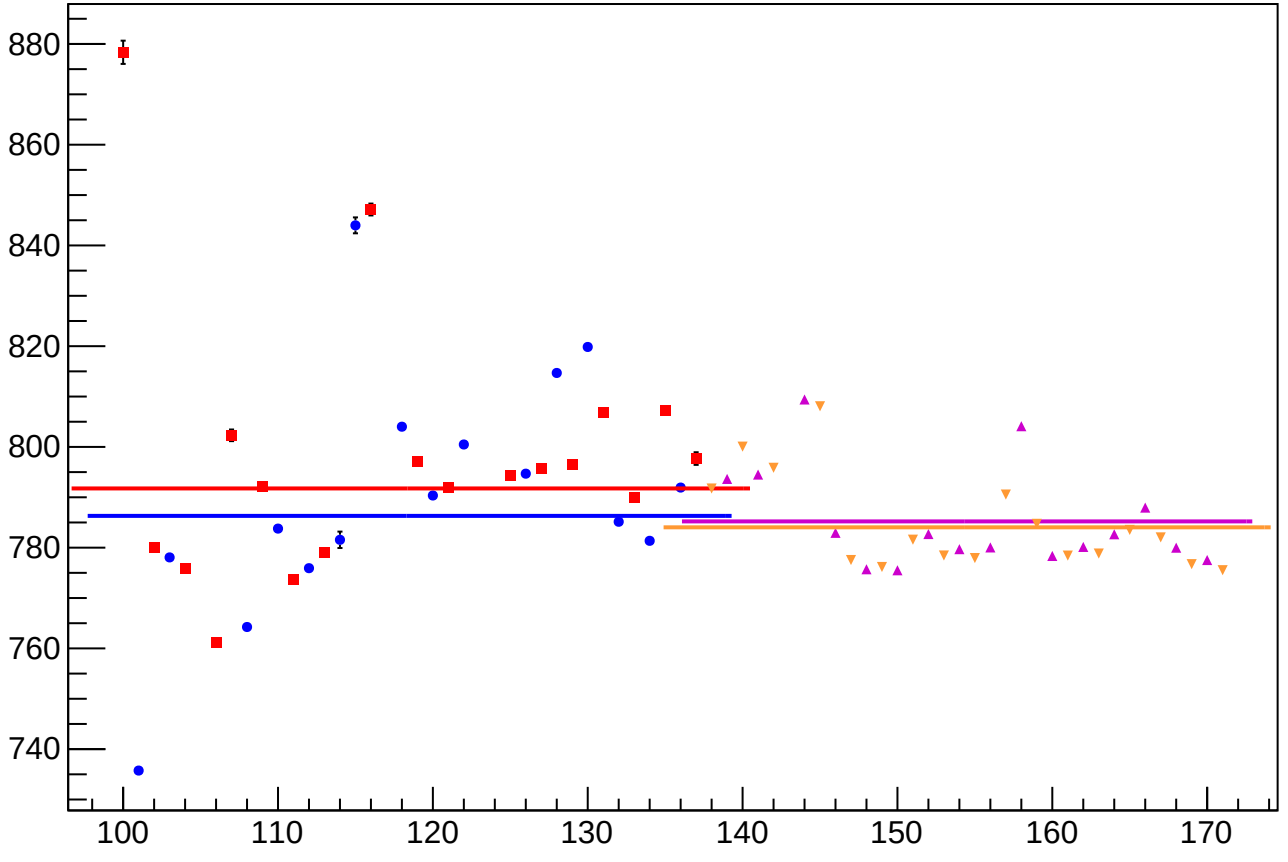
Left In: -1883.299+/-215.971 χ^2/NDF:21.4/15

+ sign 2015.165+/-172.573 χ^2/NDF: 20.9/32

All: 45.636+/-122.387 χ^2/NDF: 316.1/66

- sign -1947.247+/-173.593 χ^2/NDF: 33.2/33

eigen_dit_asym_us_avg_rms vs Slug



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

Left Out: 784.036+/-0.151 χ^2/NDF:3571.4/16

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

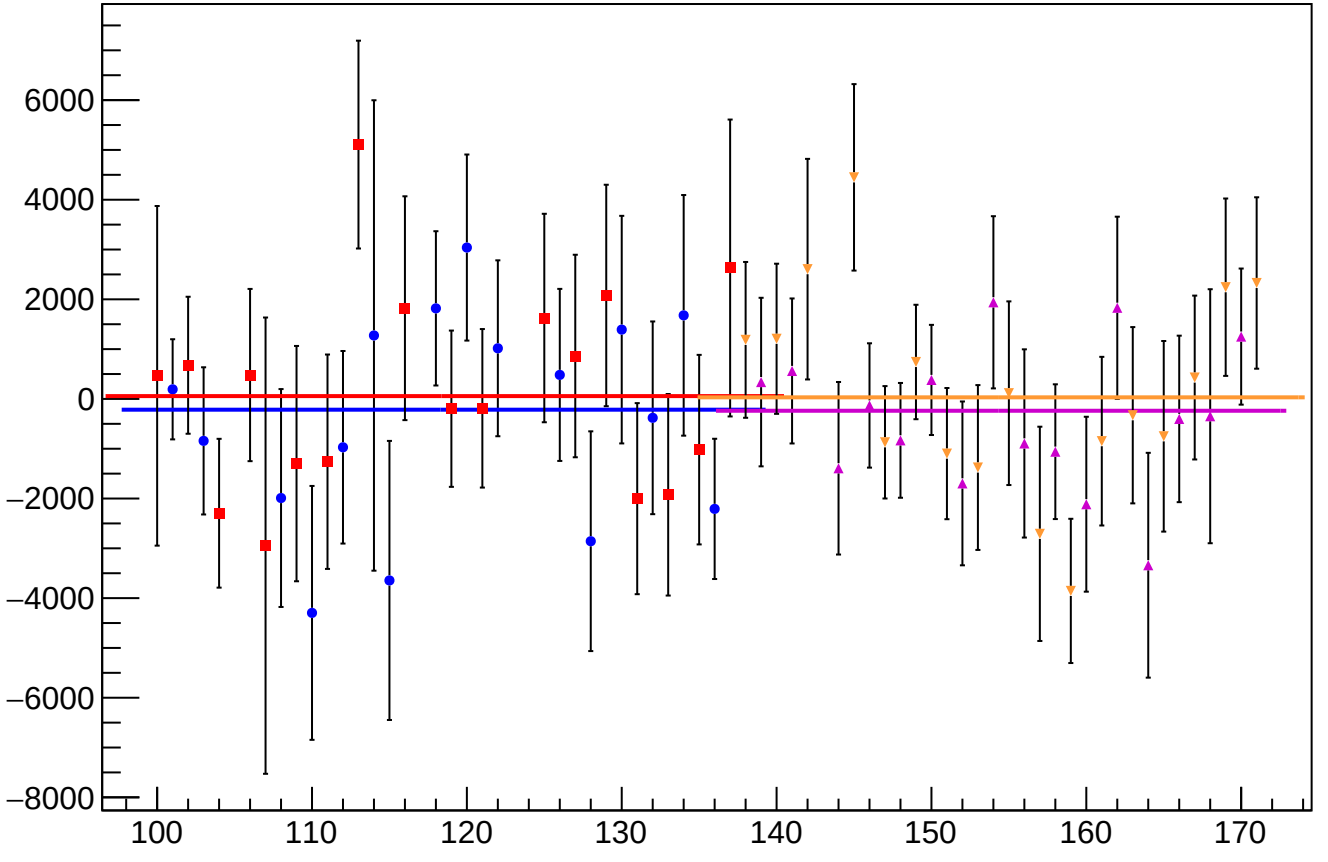
Left In: 785.213+/-0.153 χ^2/NDF:4204.1/15

+ sign 784.829+/-0.122 χ^2/NDF: 16221.3/32

All: 786.171+/-0.087 χ^2/NDF: 28333.5/66

- sign 787.529+/-0.123 χ^2/NDF: 11868.9/33

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Left Out: 31.863+/-384.261 χ^2/NDF:23.2/16

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

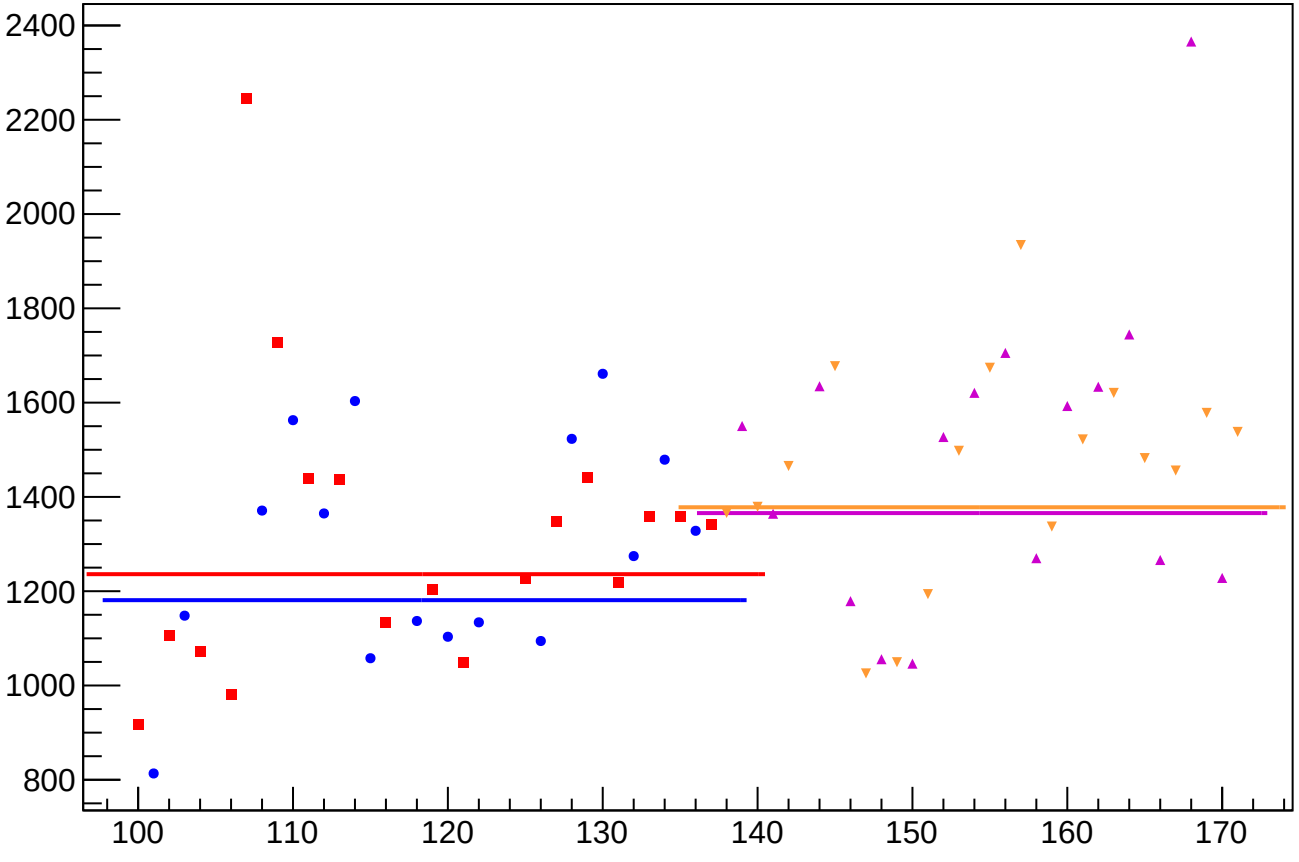
Left In: -237.473+/-384.519 χ^2/NDF:9.8/15

+ sign -72.859+/-292.091 χ^2/NDF: 38.7/32

All: -94.958+/-207.929 χ^2/NDF: 63.9/66

- sign -117.661+/-296.062 χ^2/NDF: 25.2/33

asym_us_avg_eigen_dit_correction_rms vs Slug



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

Left Out: 1378.068+/-0.272 χ^2/NDF:754495.1/16

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

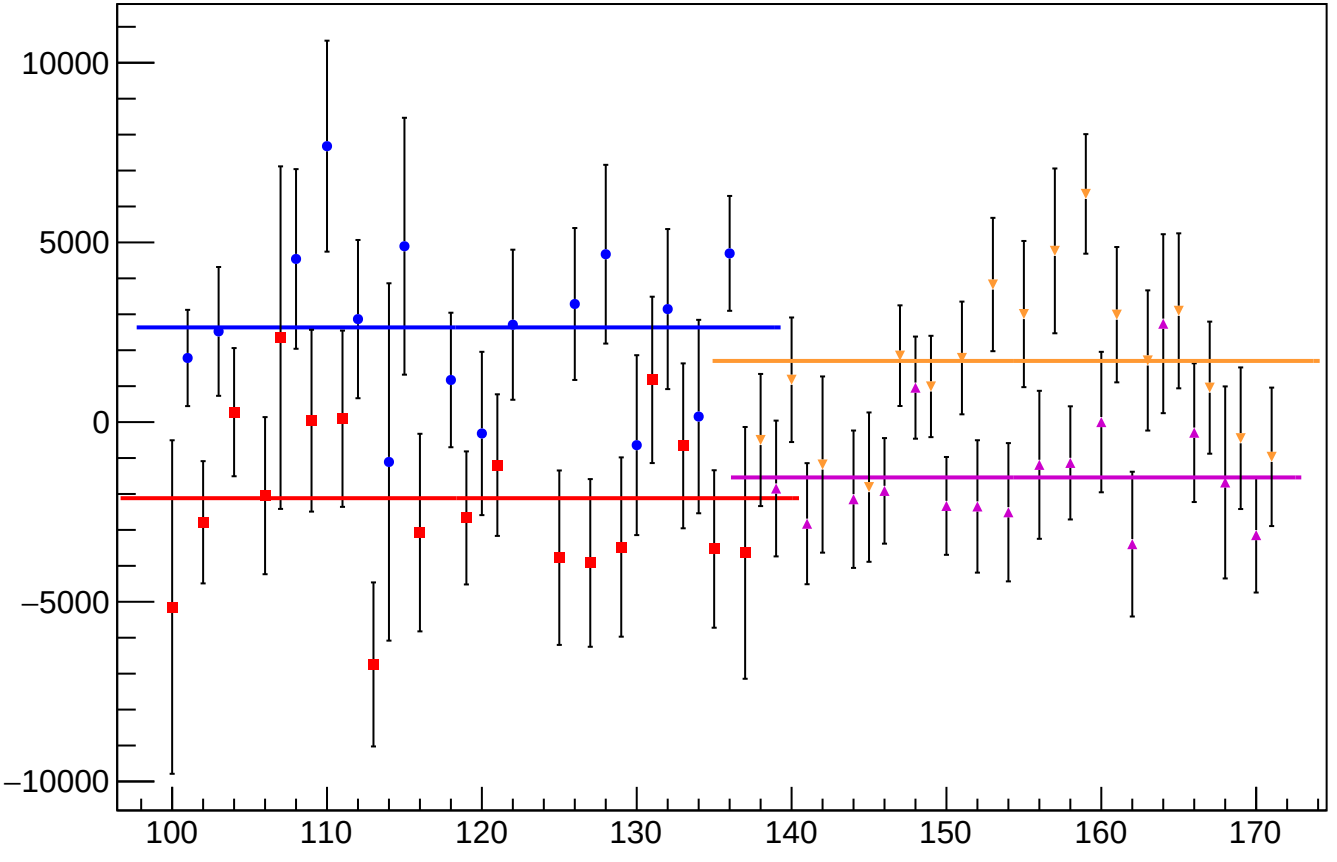
Left In: 1365.699+/-0.272 χ^2/NDF:1033443.4/15

+ sign 1294.866+/-0.207 χ^2/NDF: 1547697.3/32

All: 1303.782+/-0.147 χ^2/NDF: 3074622.5/66

- sign 1312.943+/-0.209 χ^2/NDF: 1523146.6/33

asym_us_avg_mean vs Slug



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

Left Out: 1702.247+/-442.259 χ^2/NDF:21.5/16

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

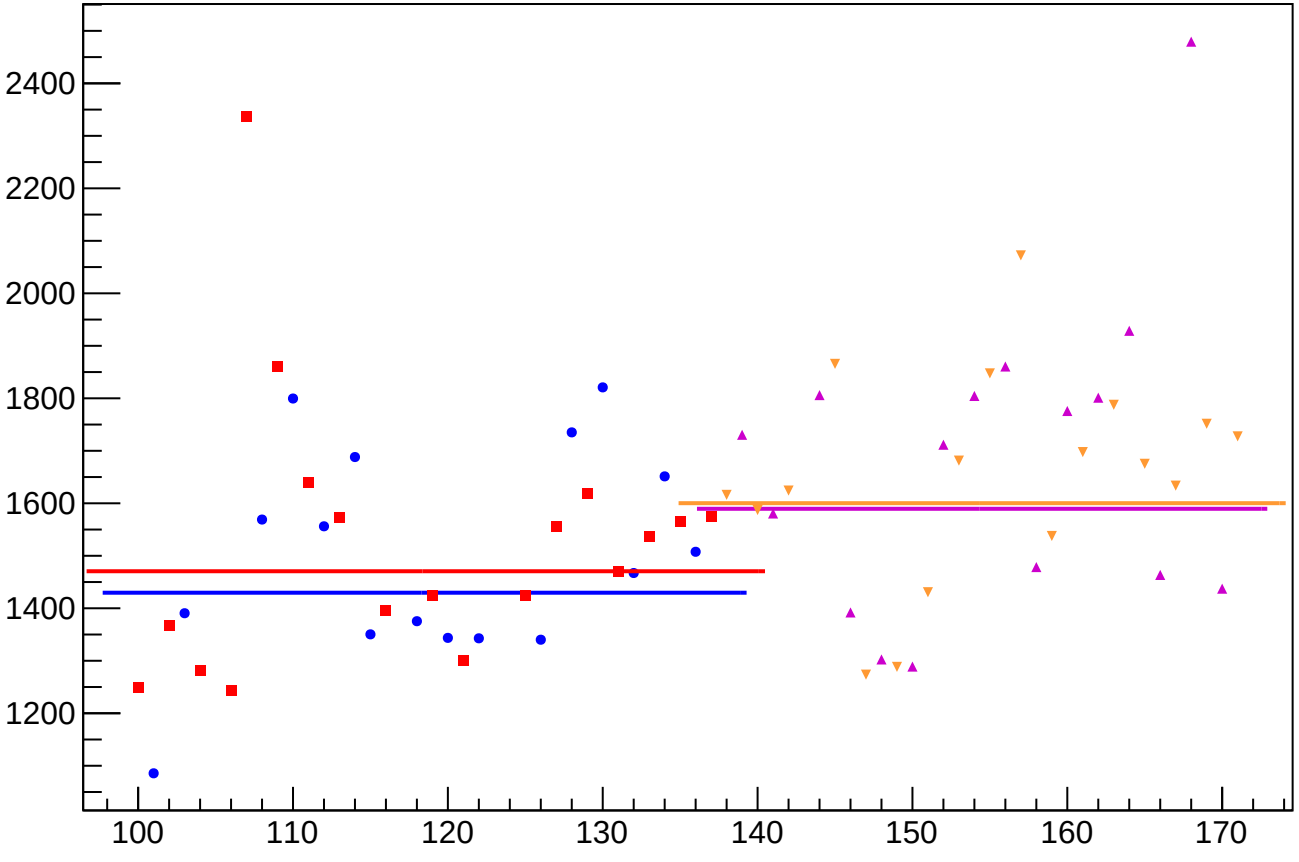
Left In: -1539.645+/-443.786 χ^2/NDF:10.6/15

+ sign 2078.515+/-341.651 χ^2/NDF: 35.6/32

All: 172.307+/-242.672 χ^2/NDF: 123.4/66

- sign -1768.643+/-344.750 χ^2/NDF: 25.0/33

asym_us_avg_rms vs Slug



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

Left Out: 1600.213+/-0.313 χ^2/NDF:431446.3/16

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

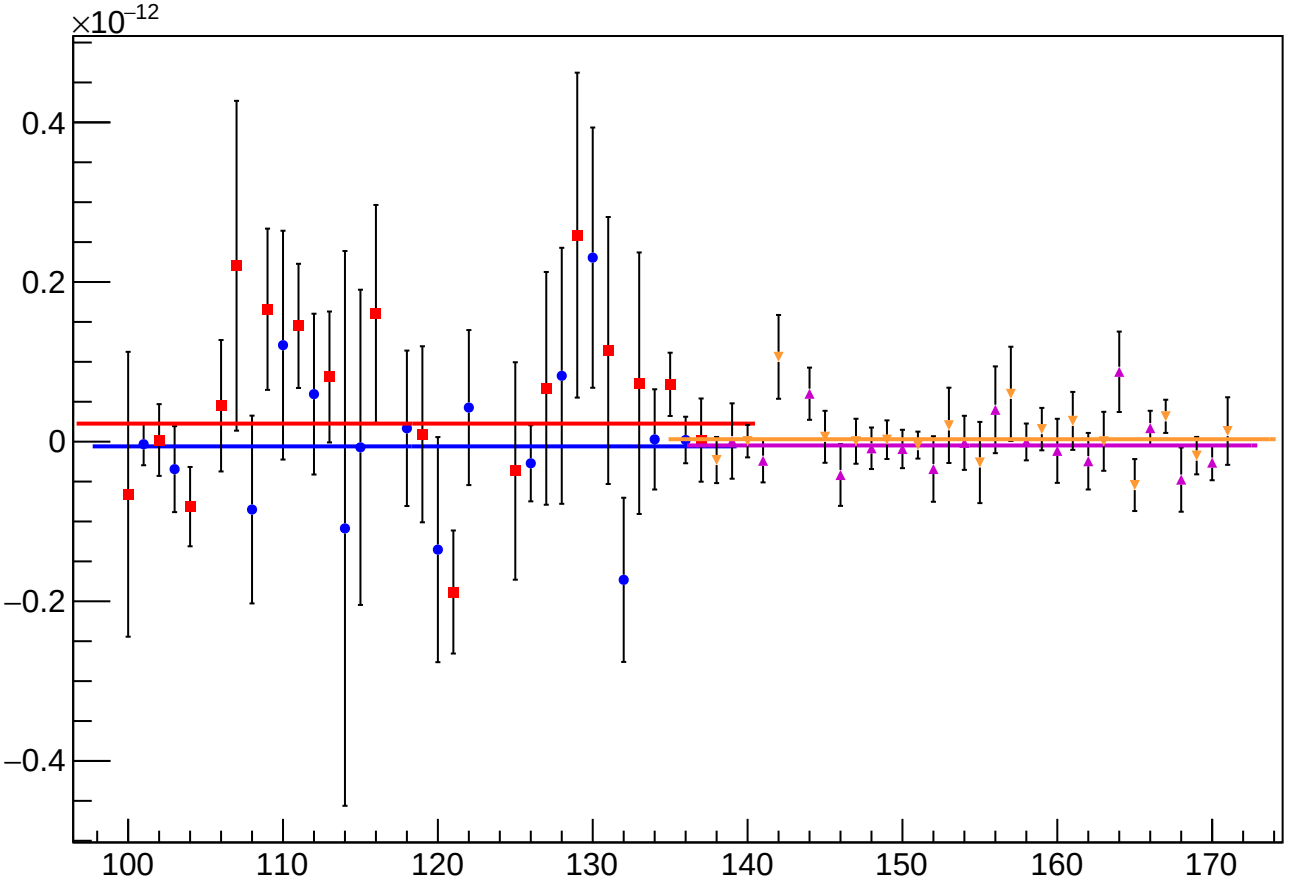
Left In: 1589.528+/-0.314 χ^2/NDF:656227.3/15

+ sign 1531.439+/-0.242 χ^2/NDF: 844776.7/32

All: 1536.849+/-0.172 χ^2/NDF: 1777070.3/66

- sign 1542.357+/-0.244 χ^2/NDF: 931281.8/33

asym_us_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/16

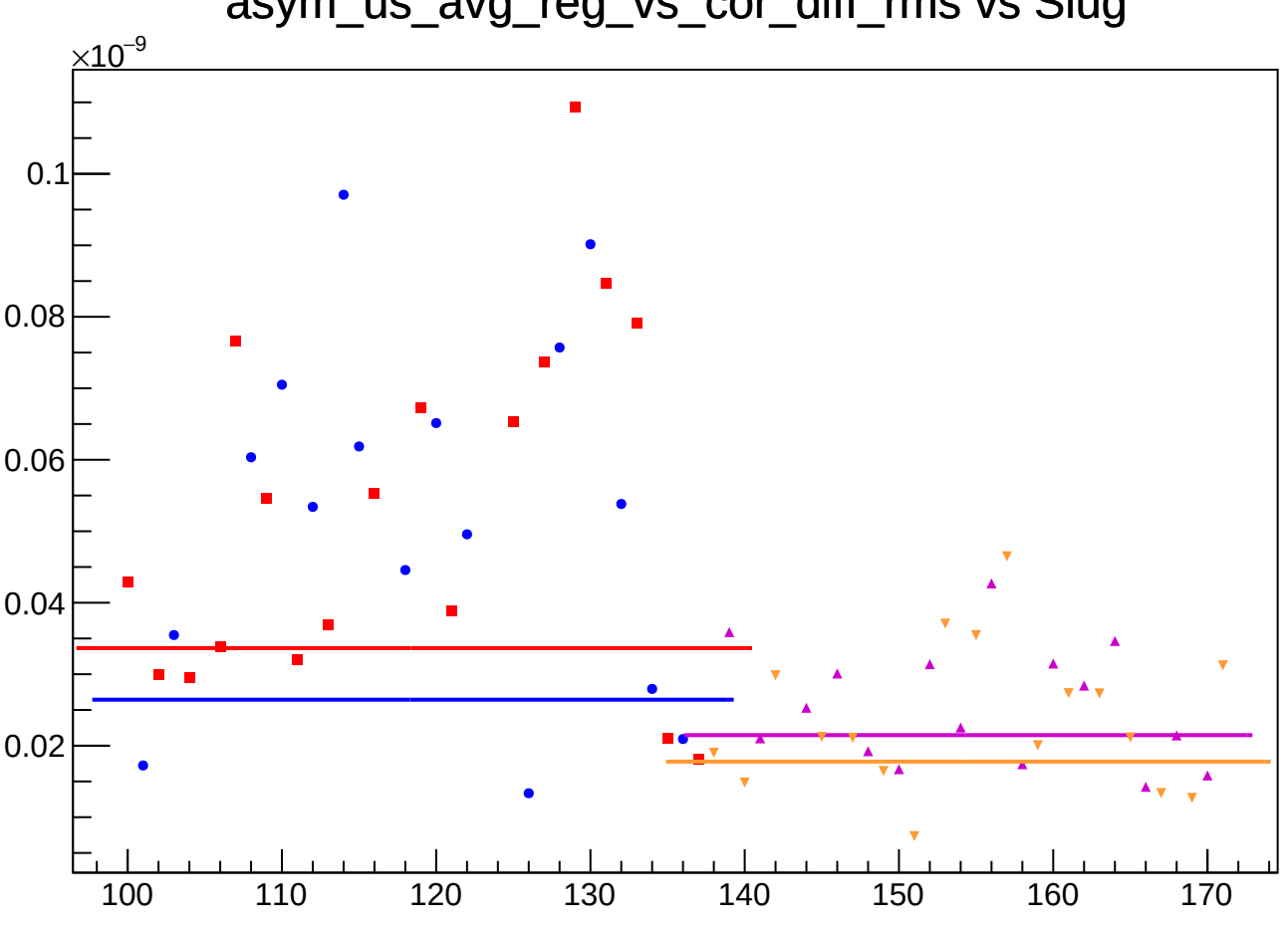
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 21.6/32

All: 0.000+/-0.000 χ^2/NDF: 60.0/66

- sign -0.000+/-0.000 χ^2/NDF: 38.4/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:2714593.3/16

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

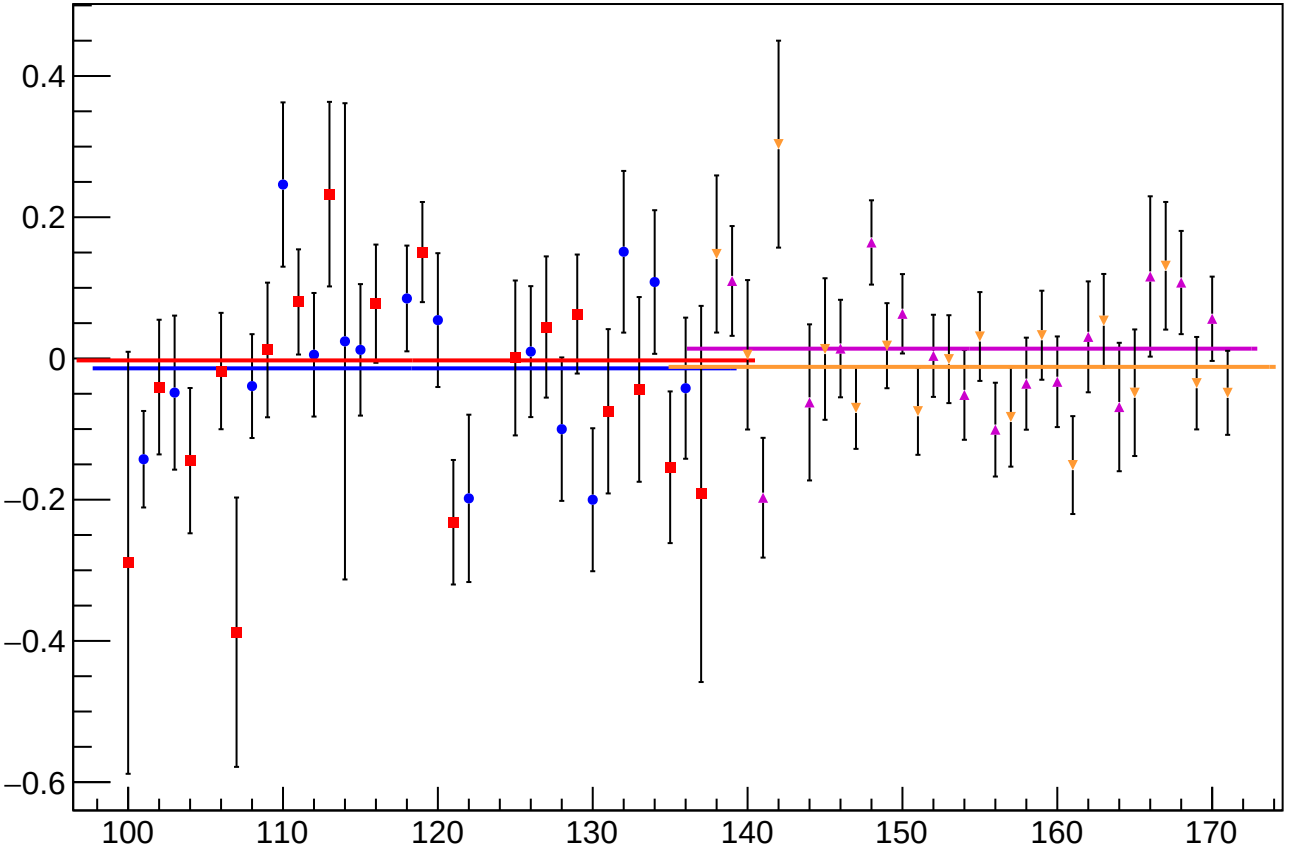
Left In: 0.000+/-0.000 χ^2/NDF:1583056.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 5393221.9/32

All: 0.000+/-0.000 χ^2/NDF: 9818111.5/66

- sign 0.000+/-0.000 χ^2/NDF: 4055155.7/33

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

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

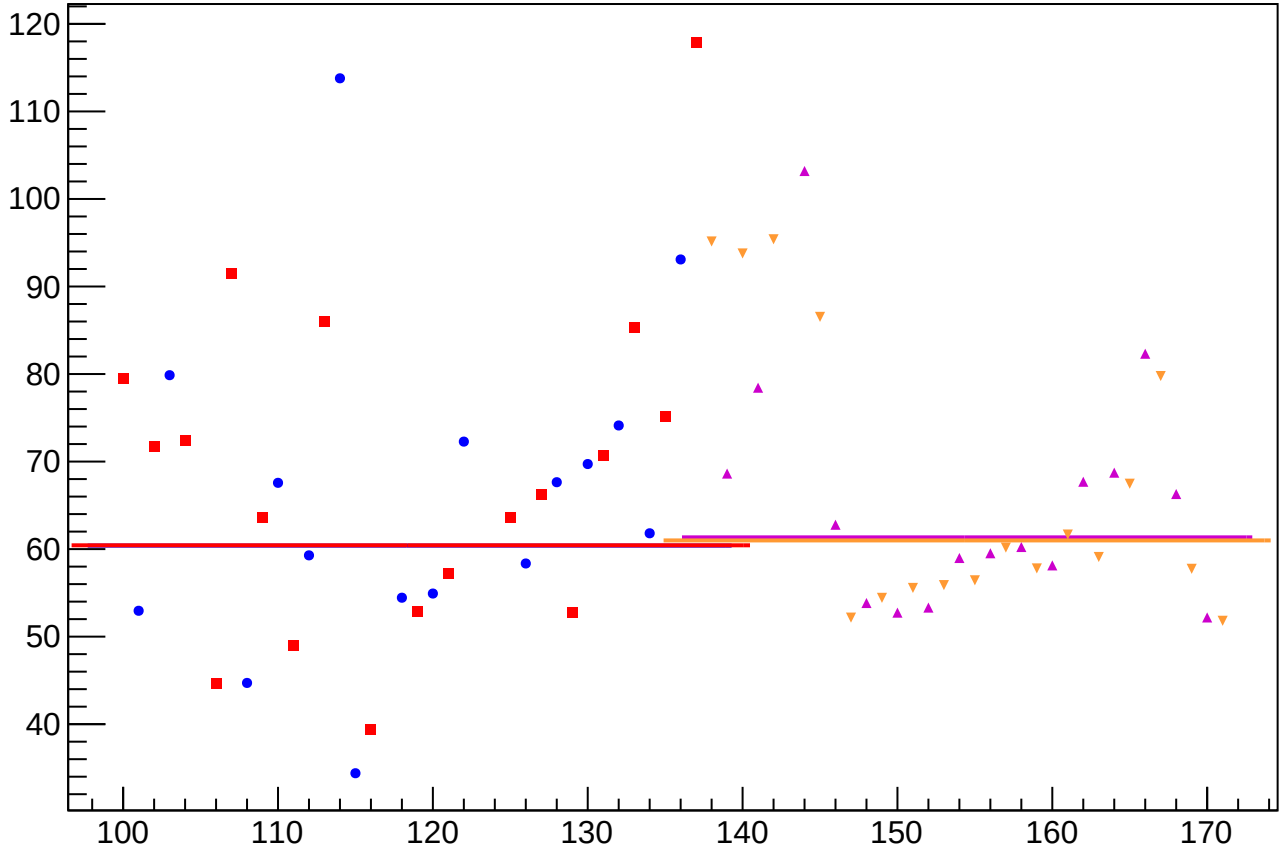
Left In: 0.014+/-0.017 χ^2/NDF:24.3/15

+ sign -0.013+/-0.014 χ^2/NDF: 40.6/32

All: -0.002+/-0.010 χ^2/NDF: 94.1/66

- sign 0.008+/-0.014 χ^2/NDF: 52.4/33

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

Left Out: 60.992+/-0.012 χ^2/NDF:886387.8/16

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

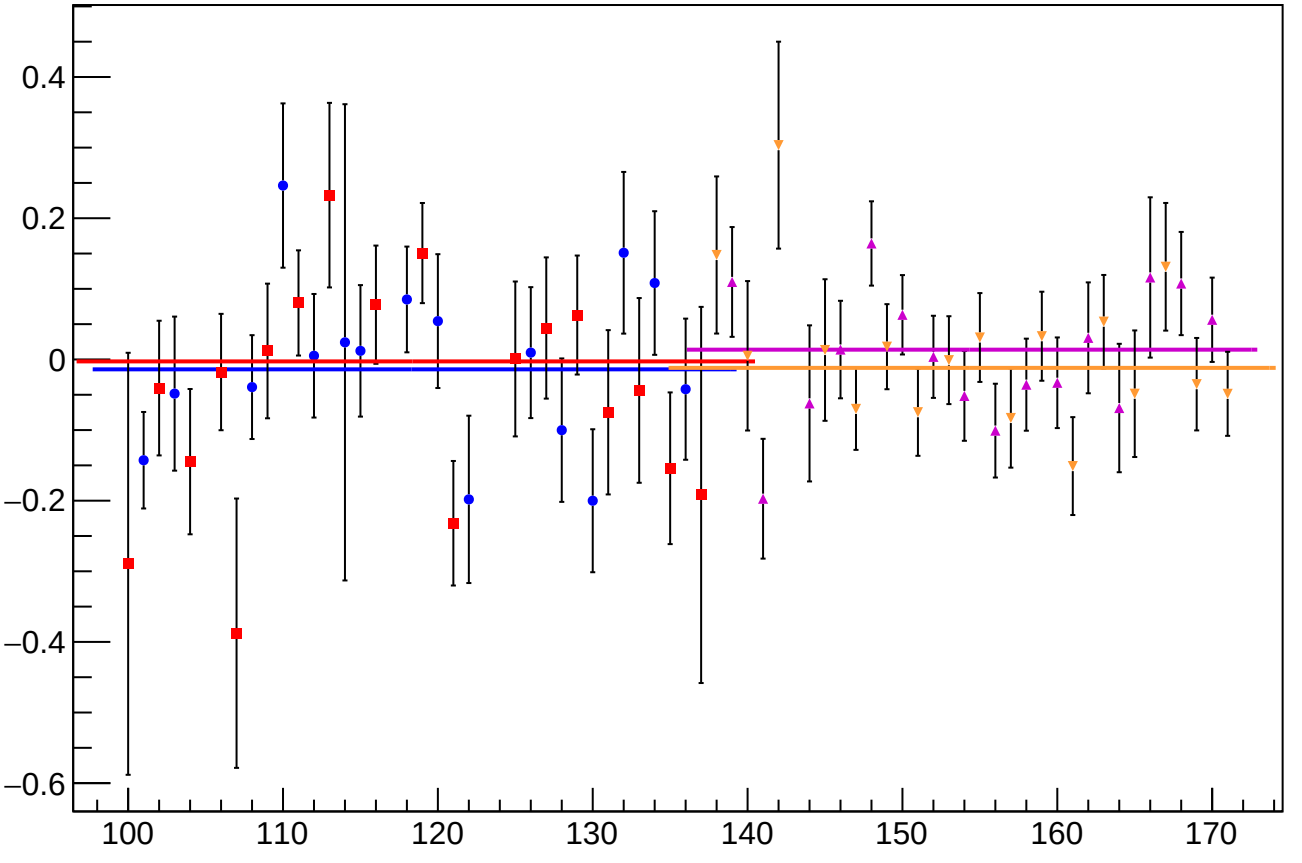
Left In: 61.341+/-0.012 χ^2/NDF:663461.0/15

\+ sign 60.787+/-0.010 χ^2/NDF: 1590351.5/32

All: 60.904+/-0.007 χ^2/NDF: 2967071.4/66

\- sign 61.023+/-0.010 χ^2/NDF: 1376439.0/33

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

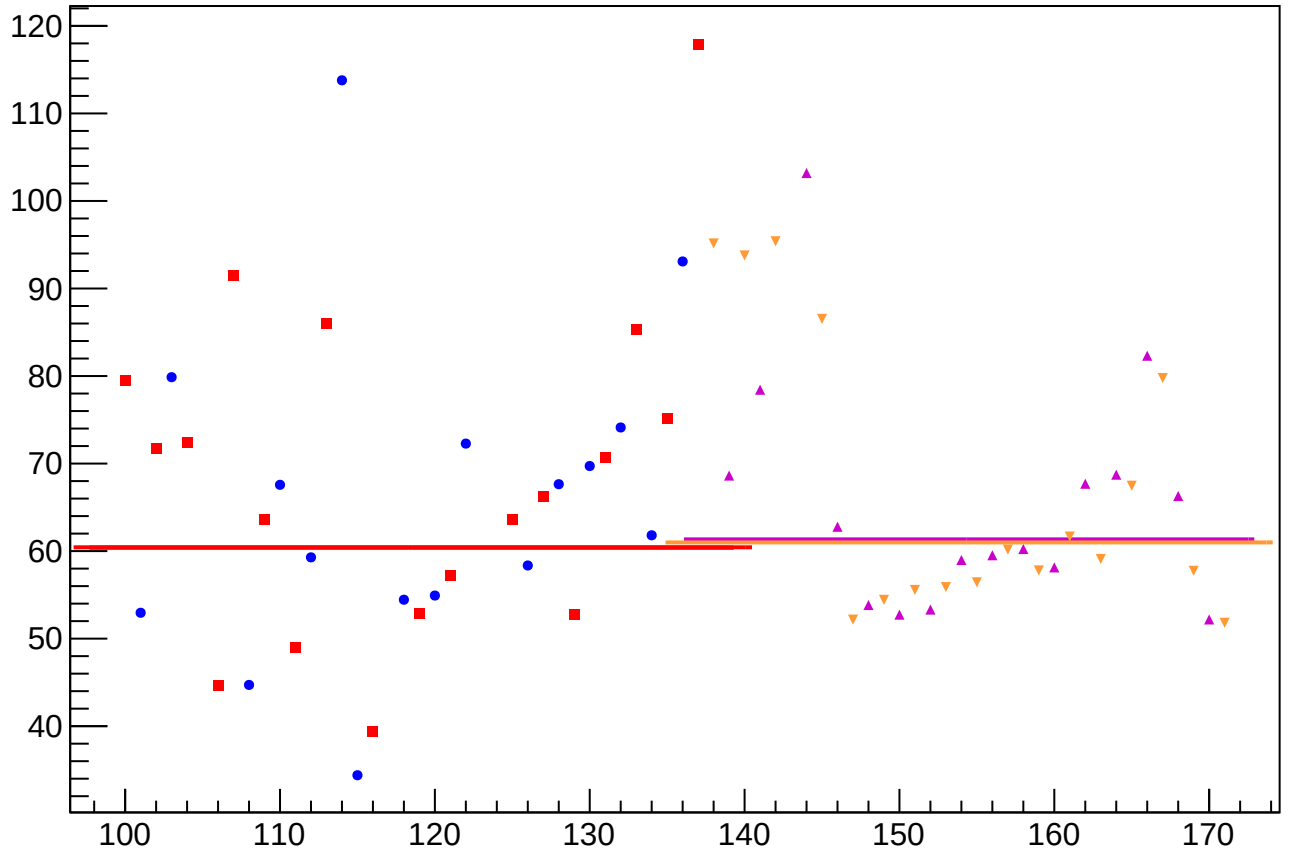
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.014+/-0.017 χ^2/NDF:24.3/15

+ sign -0.013+/-0.014 χ^2/NDF: 40.6/32

All: -0.002+/-0.010 χ^2/NDF: 94.1/66

- sign 0.008+/-0.014 χ^2/NDF: 52.4/33



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

Left Out: 60.992+/-0.012 χ^2/NDF:886387.8/16

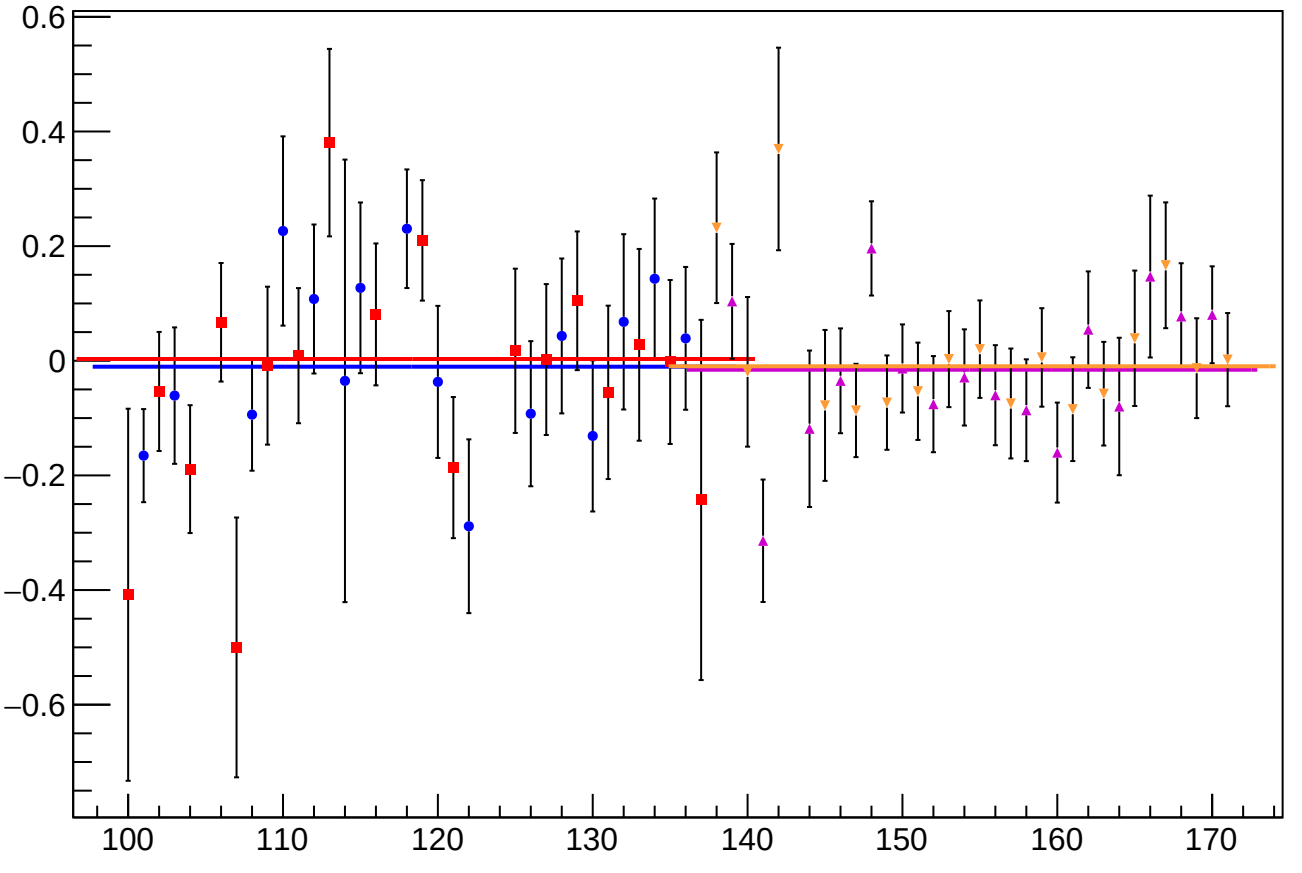
Right Out: 60.434+/-0.017 χ^2/NDF: 711093.4/17

Left In: 61.341+/-0.012 χ^2/NDF:663461.0/15

+ sign 60.787+/-0.010 χ^2/NDF: 1590351.5/32

All: 60.904+/-0.007 χ^2/NDF: 2967071.4/66

- sign 61.023+/-0.010 χ^2/NDF: 1376439.0/33



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

Left Out: -0.010+/-0.023 χ^2/NDF:14.4/16

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

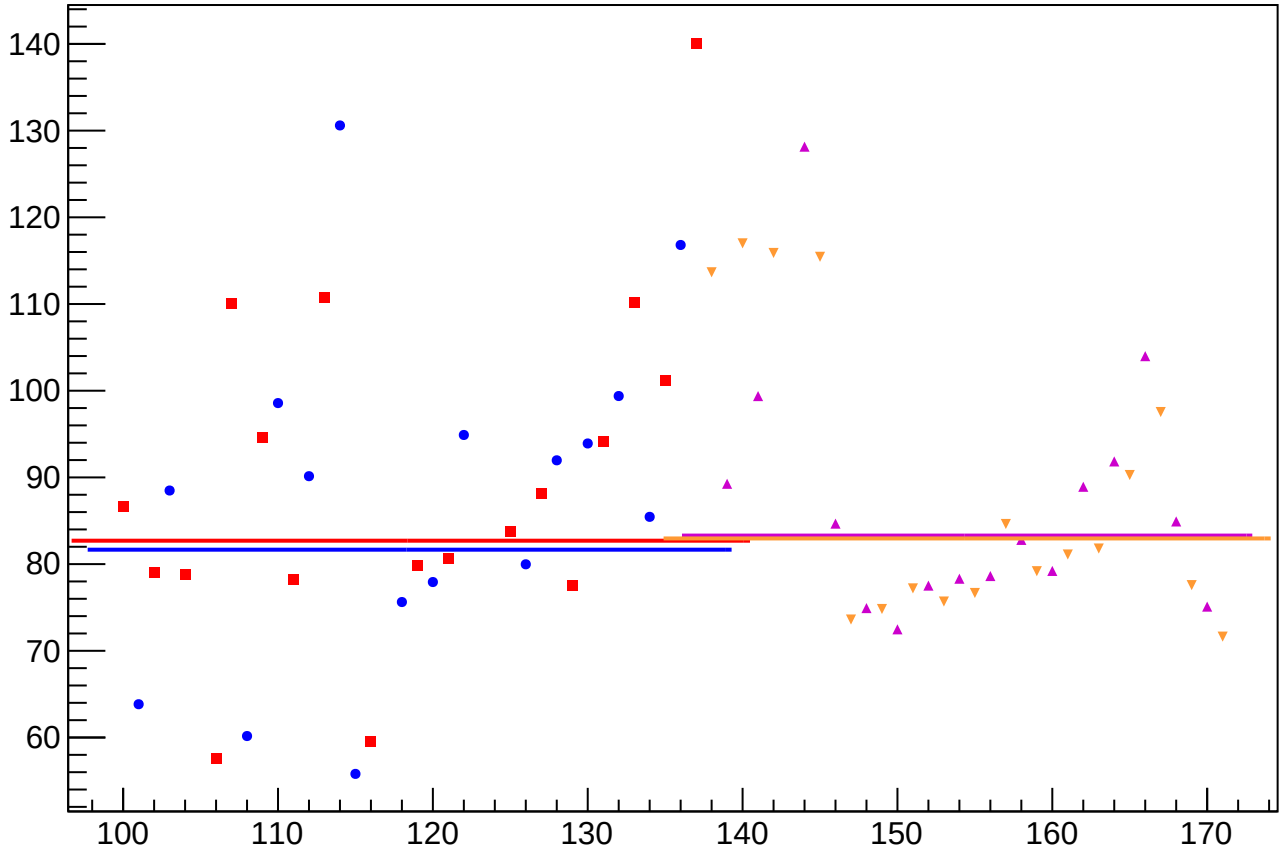
Left In: -0.016+/-0.023 χ^2/NDF:25.0/15

+ sign -0.010+/-0.019 χ^2/NDF: 34.5/32

All: -0.009+/-0.013 χ^2/NDF: 83.5/66

- sign -0.009+/-0.019 χ^2/NDF: 48.9/33

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 82.960+/-0.016 χ^2/NDF:612546.9/16

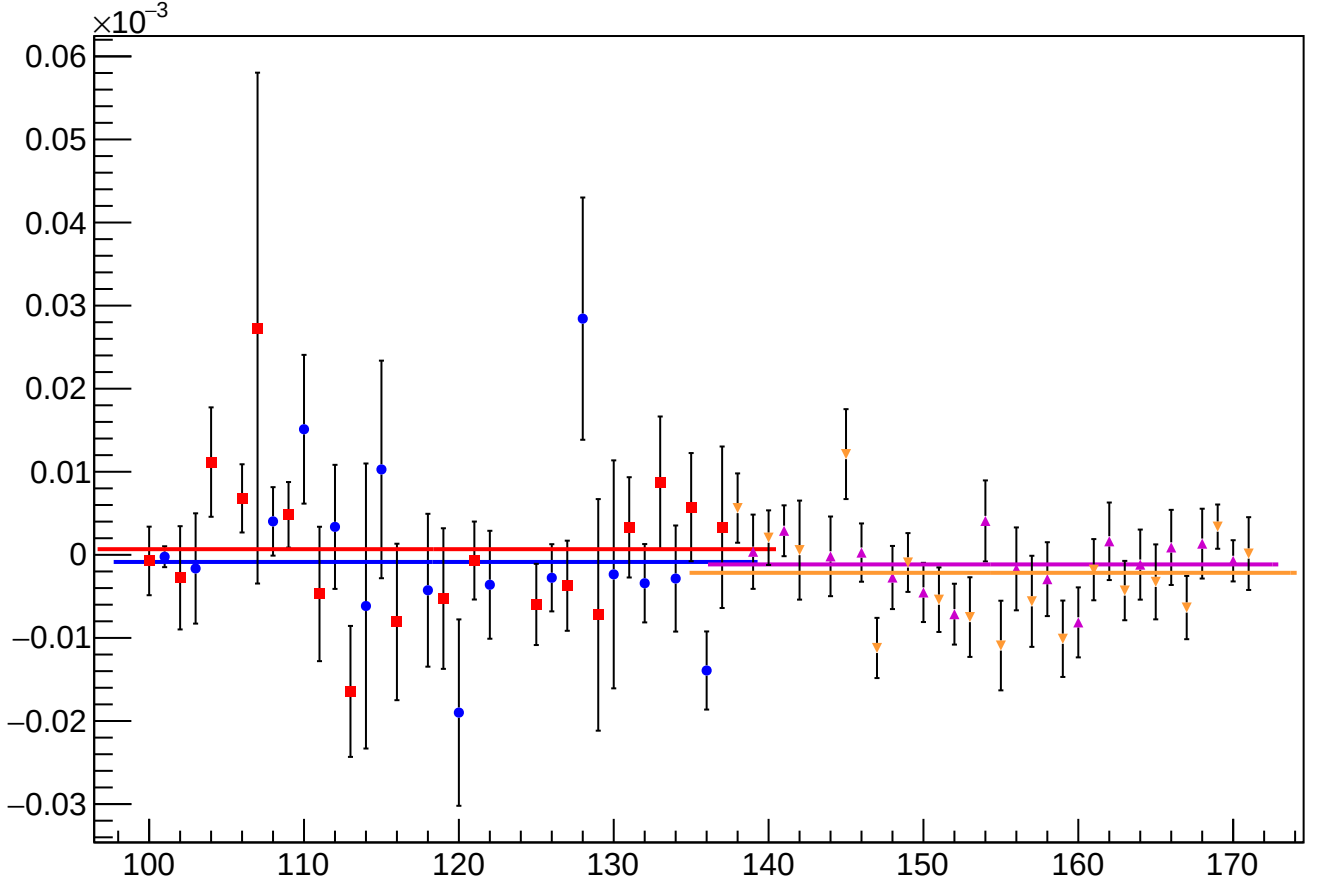
Right Out: 82.701+/-0.022 χ^2/NDF: 473065.7/17

Left In: 83.290+/-0.017 χ^2/NDF:434652.8/15

+ sign 82.505+/-0.013 χ^2/NDF: 1176578.0/32

All: 82.792+/-0.009 χ^2/NDF: 2085688.5/66

- sign 83.083+/-0.013 χ^2/NDF: 908164.4/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/16

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

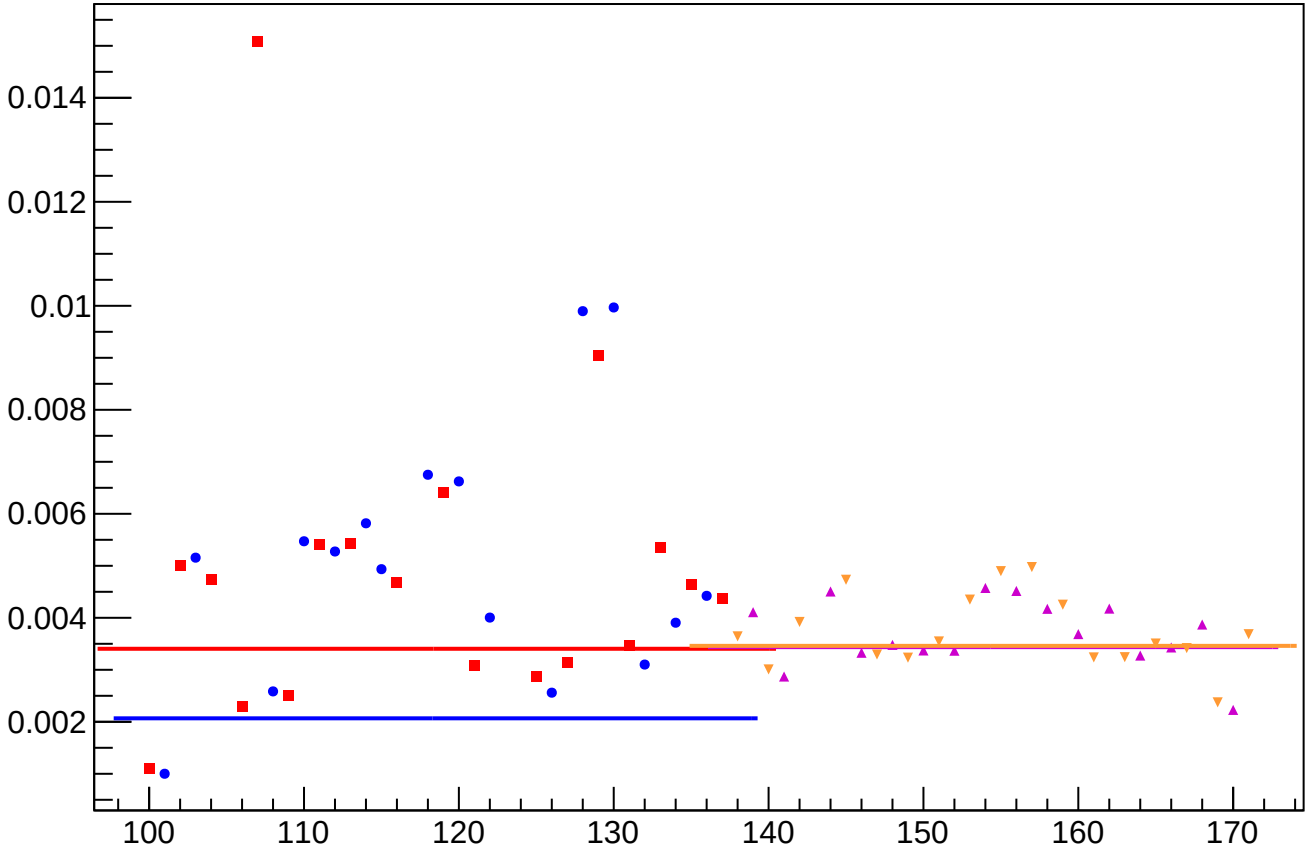
Left In: -0.000+/-0.000 χ^2/NDF:10.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/32

All: -0.000+/-0.000 χ^2/NDF: 86.2/66

- sign -0.000+/-0.000 χ^2/NDF: 30.3/33

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

Left Out: 0.003+/-0.000 χ^2/NDF:953387.2/16

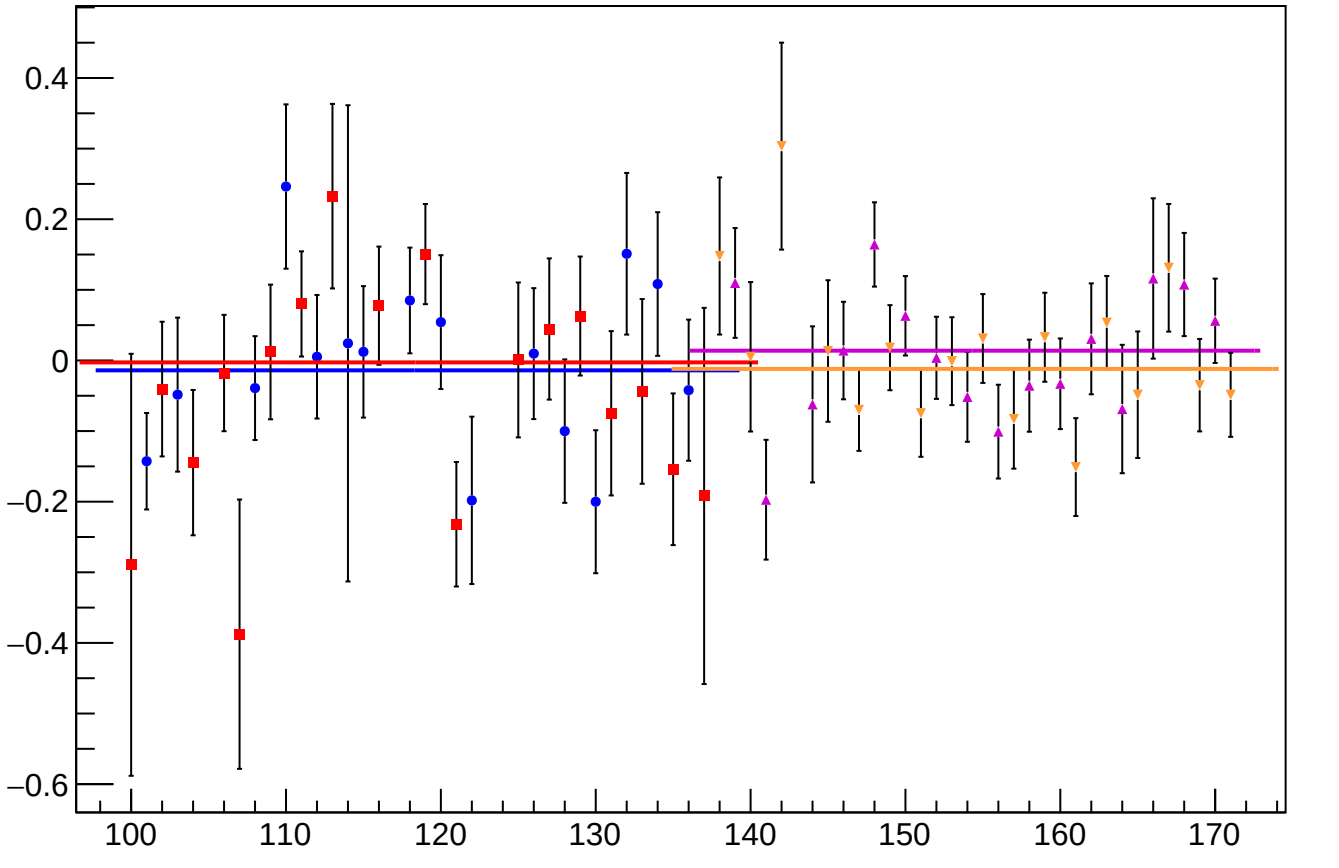
Right Out: 0.003+/-0.000 χ^2/NDF: 2491305.2/17

Left In: 0.003+/-0.000 χ^2/NDF:1029554.9/15

+ sign 0.003+/-0.000 χ^2/NDF: 8744918.1/32

All: 0.003+/-0.000 χ^2/NDF: 12983658.7/66

- sign 0.003+/-0.000 χ^2/NDF: 3521525.8/33



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

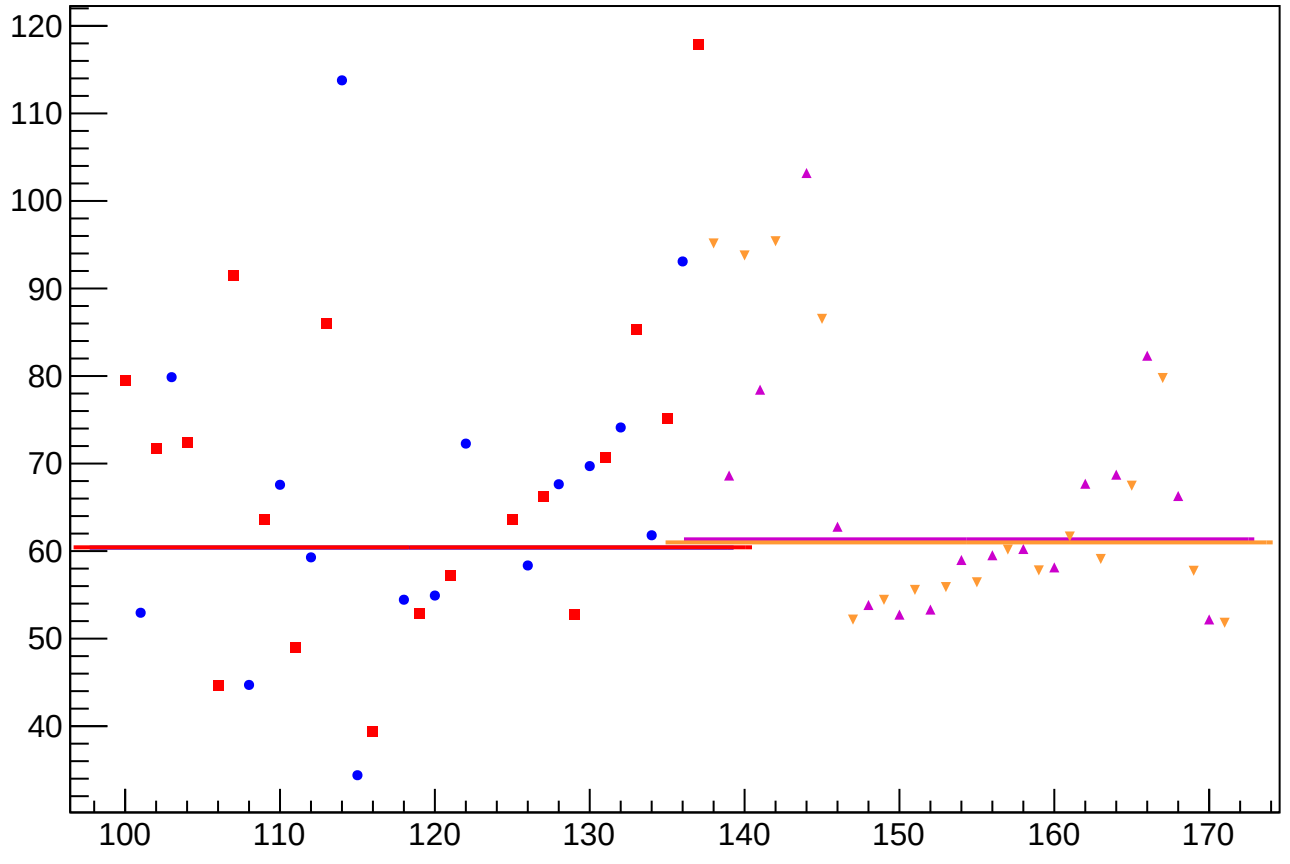
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.014+/-0.017 χ^2/NDF:24.3/15

+ sign -0.013+/-0.014 χ^2/NDF: 40.6/32

All: -0.002+/-0.010 χ^2/NDF: 94.1/66

- sign 0.008+/-0.014 χ^2/NDF: 52.4/33



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

Left Out: 60.992+/-0.012 χ^2/NDF:886384.1/16

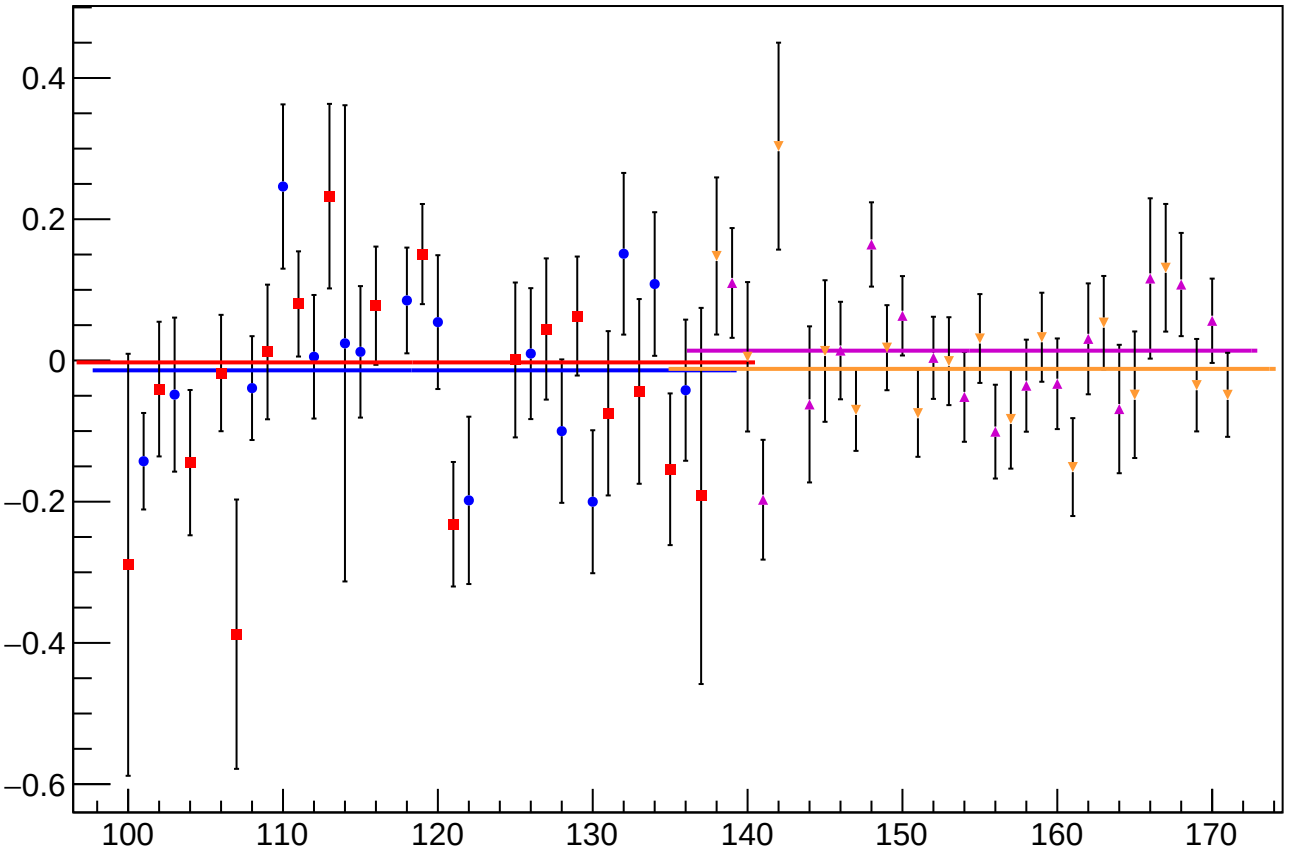
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.341+/-0.012 χ^2/NDF:663457.2/15

+ sign 60.787+/-0.010 χ^2/NDF: 1590364.8/32

All: 60.904+/-0.007 χ^2/NDF: 2967117.5/66

- sign 61.022+/-0.010 χ^2/NDF: 1376472.2/33



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

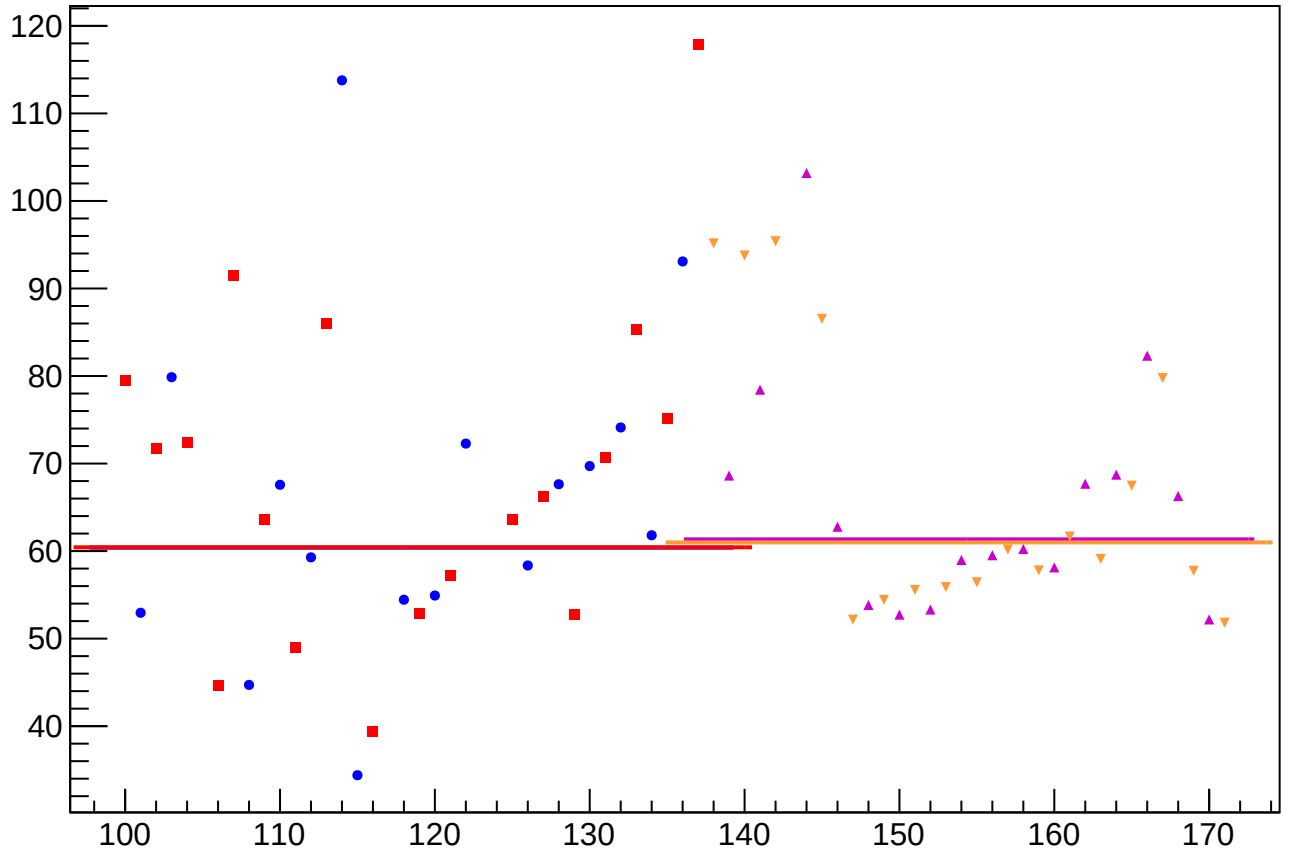
Right Out: -0.003+/-0.024 χ^2/NDF: 27.8/17

Left In: 0.014+/-0.017 χ^2/NDF:24.3/15

+ sign -0.013+/-0.014 χ^2/NDF: 40.6/32

All: -0.002+/-0.010 χ^2/NDF: 94.1/66

- sign 0.008+/-0.014 χ^2/NDF: 52.4/33



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

Left Out: 60.992+/-0.012 χ^2/NDF:886384.1/16

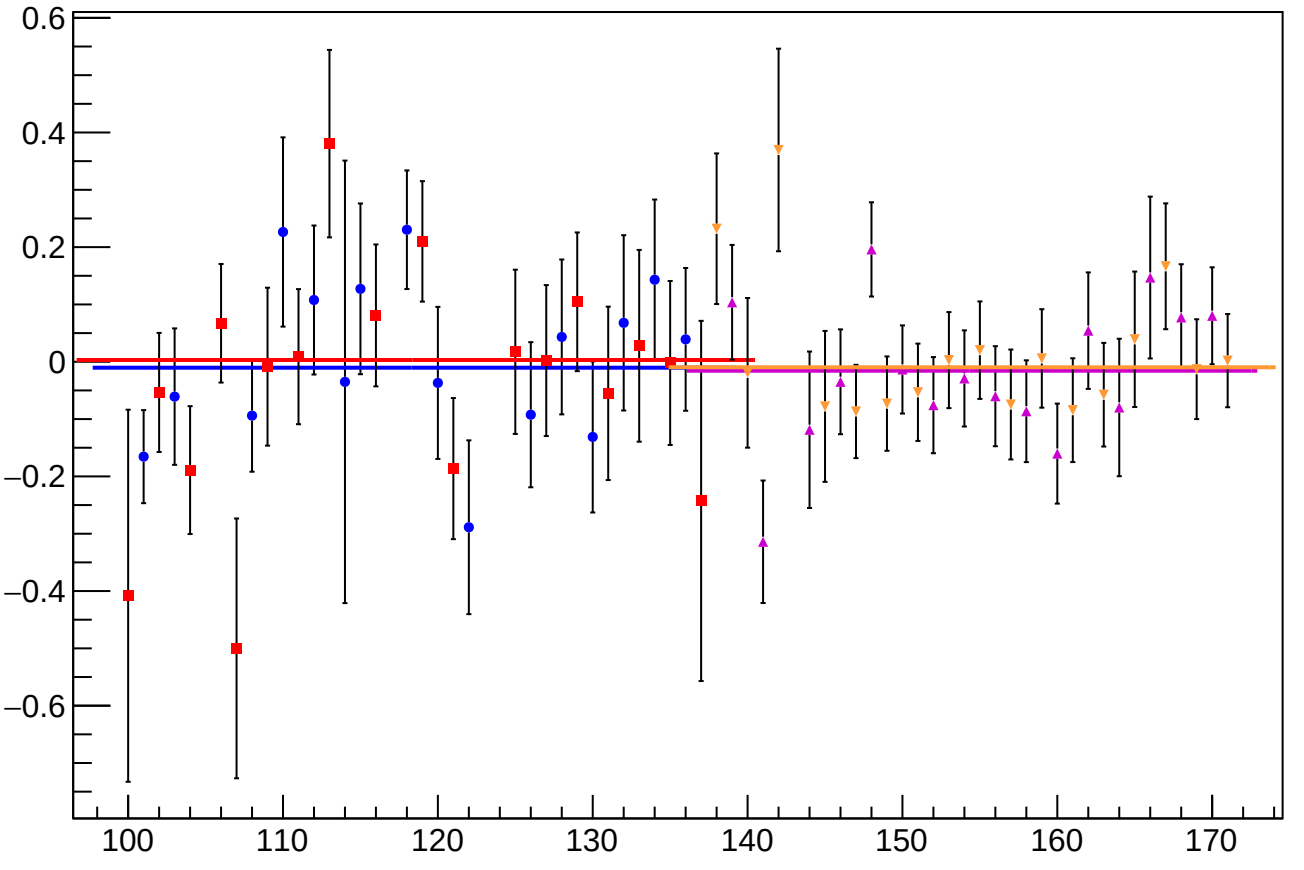
Right Out: 60.432+/-0.017 χ^2/NDF: 711122.4/17

Left In: 61.341+/-0.012 χ^2/NDF:663457.2/15

+ sign 60.787+/-0.010 χ^2/NDF: 1590364.8/32

All: 60.904+/-0.007 χ^2/NDF: 2967117.5/66

- sign 61.022+/-0.010 χ^2/NDF: 1376472.2/33



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

Left Out: -0.010+/-0.023 χ^2/NDF:14.4/16

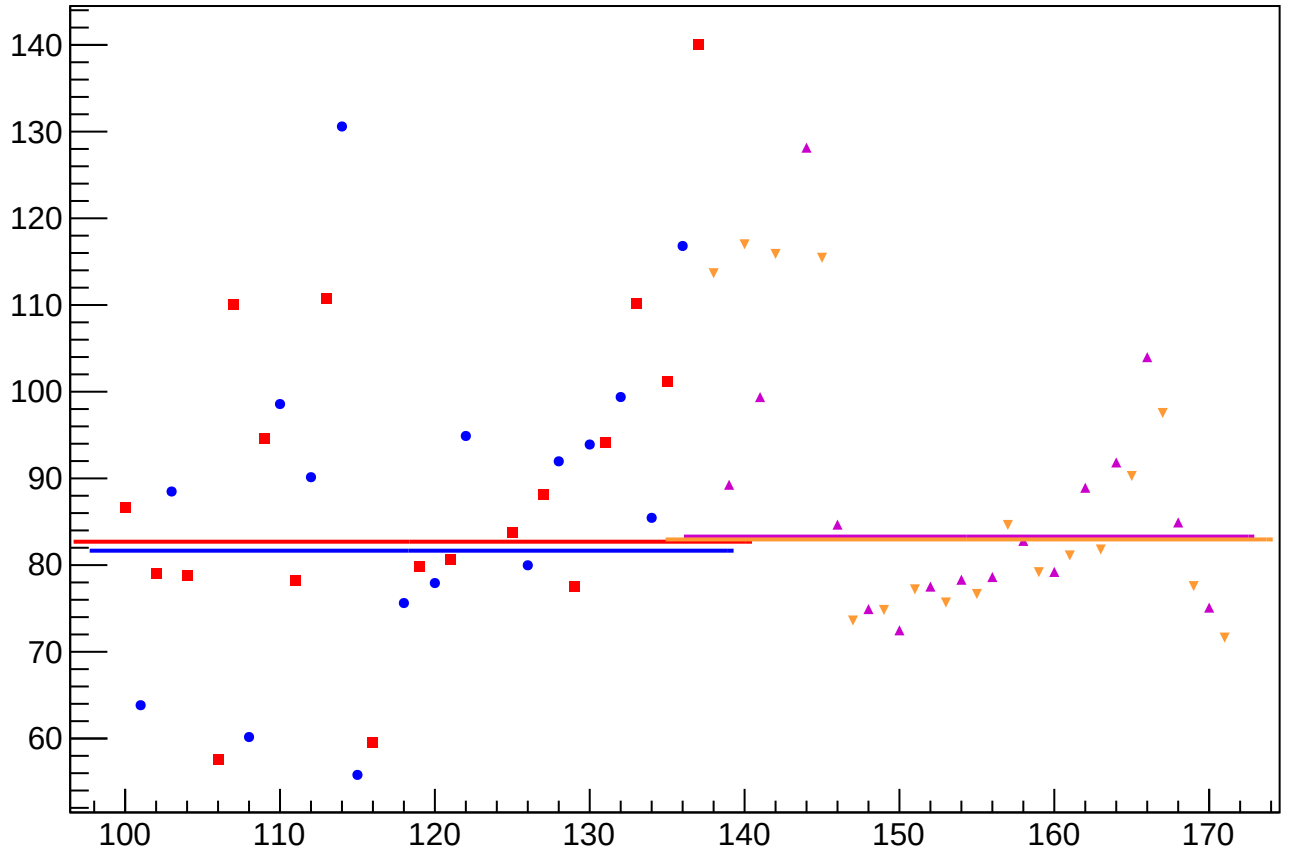
Right Out: 0.003+/-0.032 χ^2/NDF: 23.7/17

Left In: -0.016+/-0.023 χ^2/NDF:25.0/15

+ sign -0.010+/-0.019 χ^2/NDF: 34.5/32

All: -0.009+/-0.013 χ^2/NDF: 83.5/66

- sign -0.009+/-0.019 χ^2/NDF: 48.9/33



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

Left Out: 82.960+/-0.016 χ^2/NDF:612544.6/16

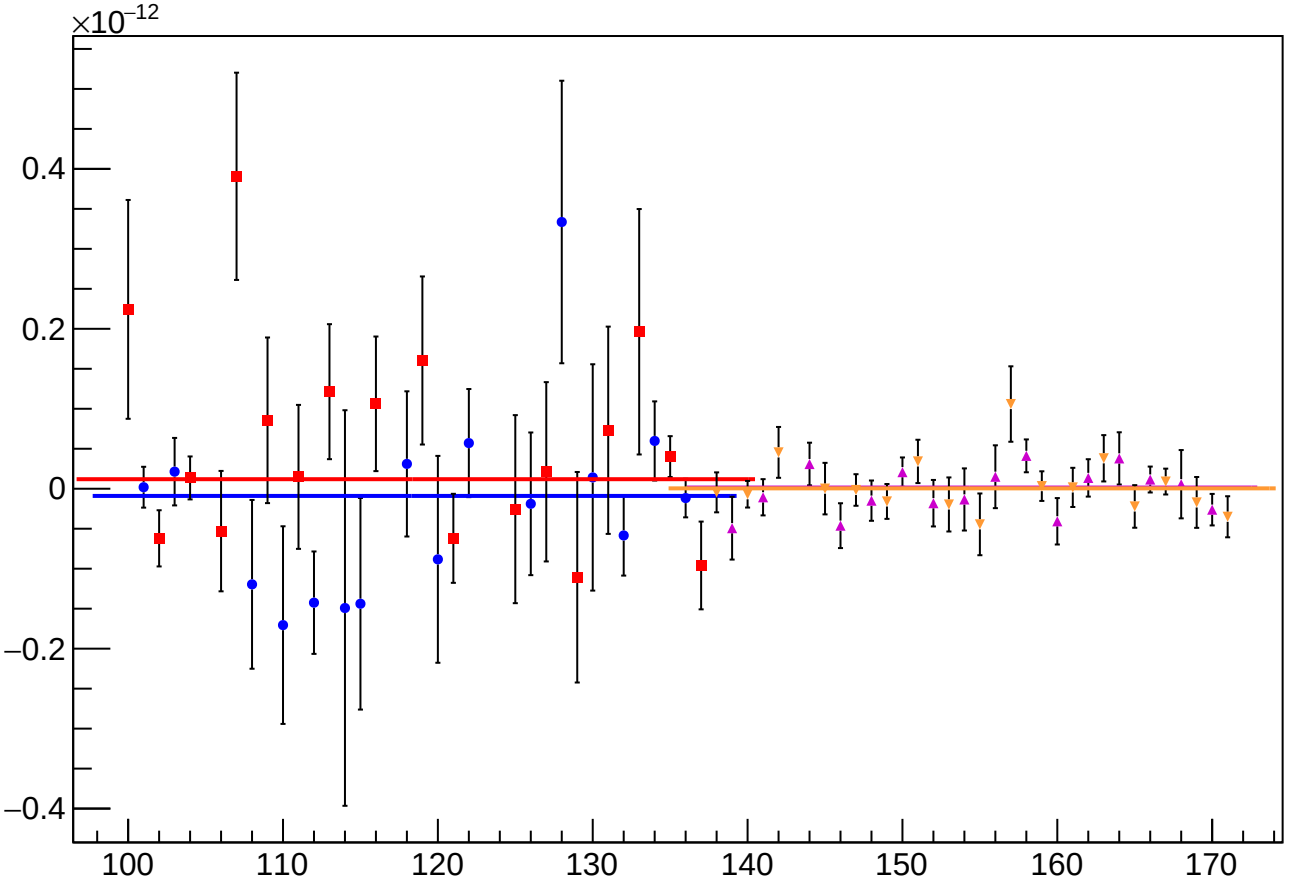
Right Out: 82.700+/-0.022 χ^2/NDF: 473062.4/17

Left In: 83.290+/-0.017 χ^2/NDF:434652.3/15

+ sign 82.505+/-0.013 χ^2/NDF: 1176567.0/32

All: 82.792+/-0.009 χ^2/NDF: 2085675.1/66

- sign 83.082+/-0.013 χ^2/NDF: 908162.3/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/16

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

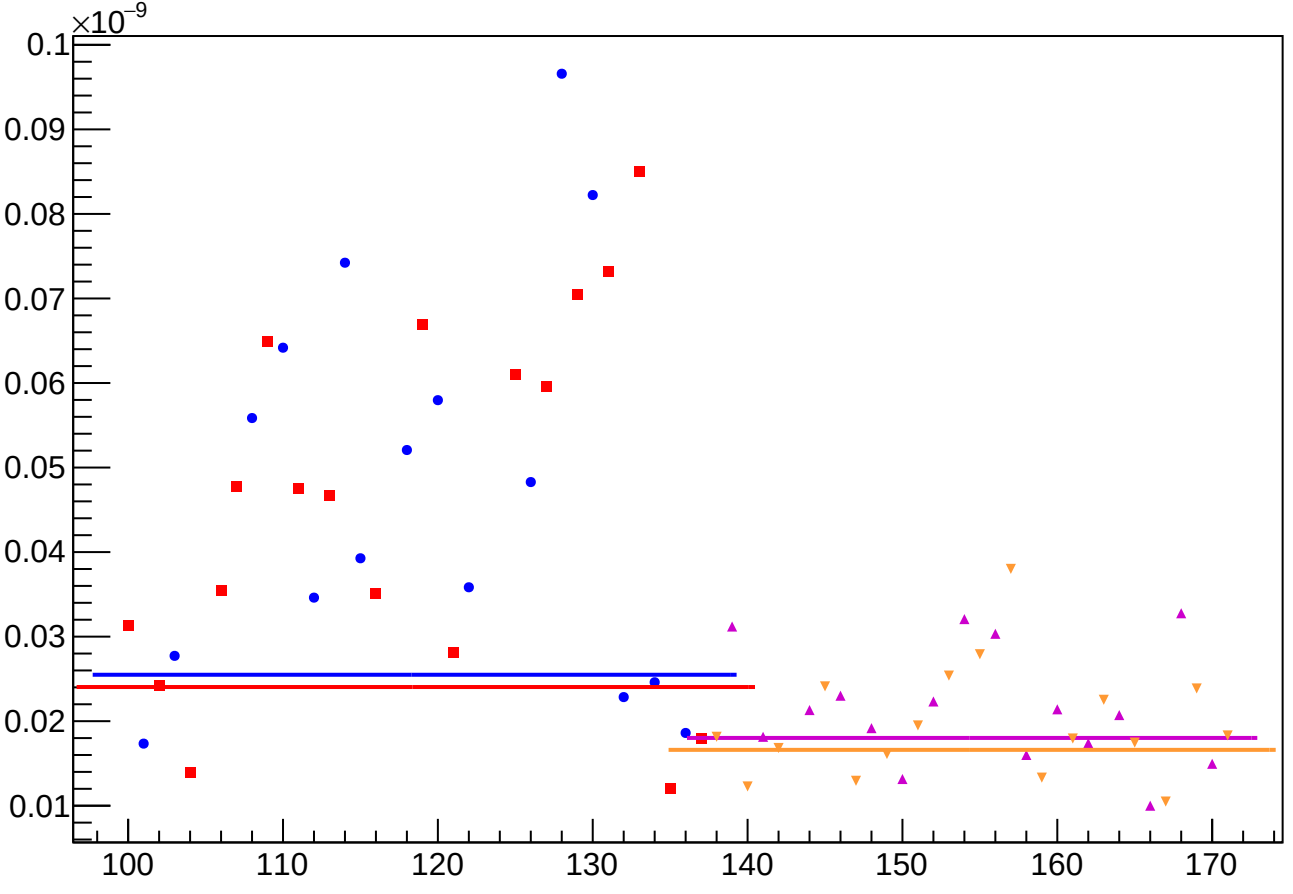
Left In: 0.000+/-0.000 χ^2/NDF:18.0/15

+ sign -0.000+/-0.000 χ^2/NDF: 33.9/32

All: 0.000+/-0.000 χ^2/NDF: 83.8/66

- sign 0.000+/-0.000 χ^2/NDF: 49.6/33

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:1616935.7/16

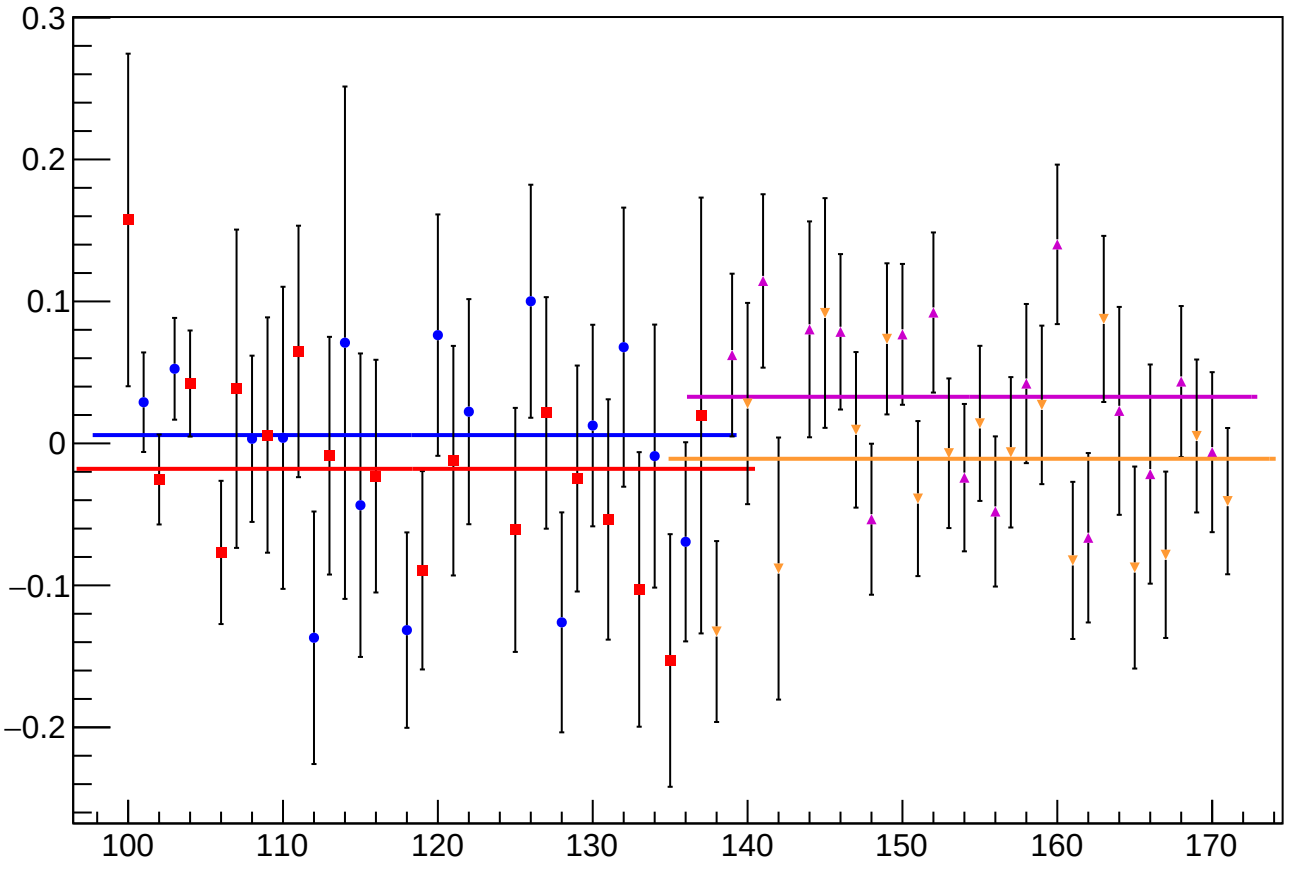
Right Out: 0.000+/-0.000 χ^2/NDF: 3084598.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1803250.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 4367207.7/32

All: 0.000+/-0.000 χ^2/NDF: 9620597.1/66

- sign 0.000+/-0.000 χ^2/NDF: 5219582.6/33



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

Left Out: -0.011+/-0.014 χ^2/NDF:17.3/16

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

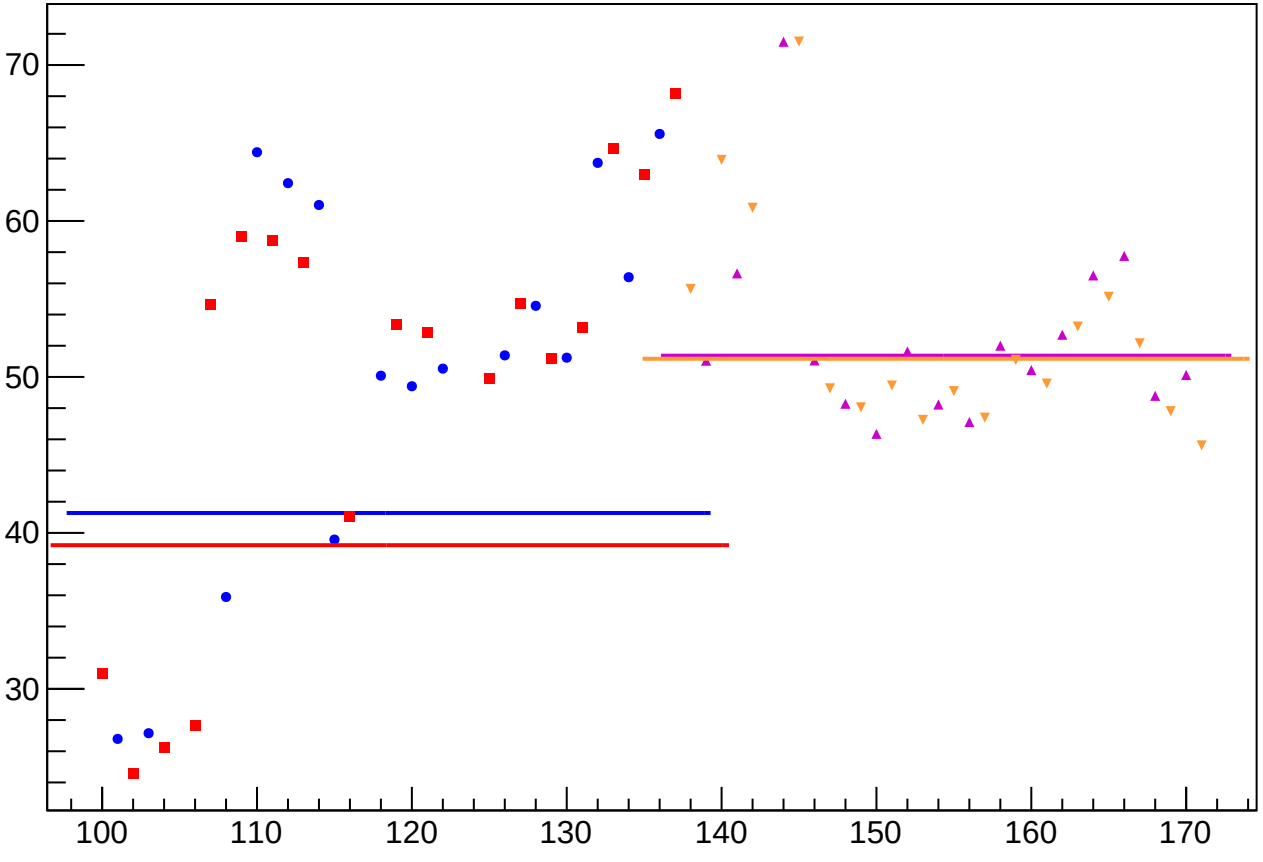
Left In: 0.033+/-0.014 χ^2/NDF:18.7/15

+ sign -0.004+/-0.011 χ^2/NDF: 33.4/32

All: 0.003+/-0.008 χ^2/NDF: 70.9/66

- sign 0.010+/-0.011 χ^2/NDF: 36.7/33

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

Left Out: 51.167+/-0.010 χ^2/NDF:300344.3/16

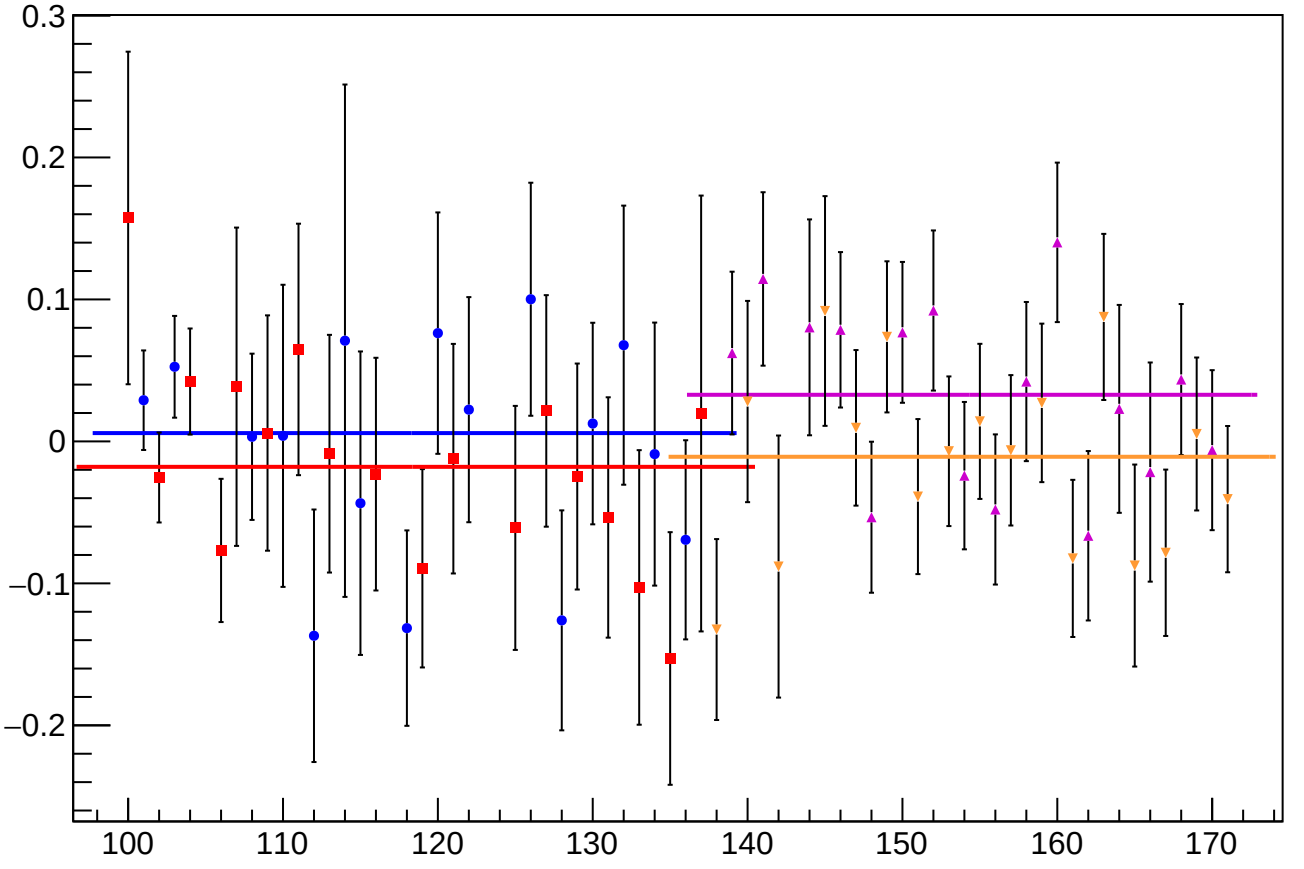
Right Out: 39.212+/-0.011 χ^2/NDF: 1819921.9/17

Left In: 51.363+/-0.010 χ^2/NDF:233682.3/15

+ sign 46.956+/-0.008 χ^2/NDF: 2216916.5/32

All: 46.381+/-0.005 χ^2/NDF: 4930747.1/66

- sign 45.823+/-0.008 χ^2/NDF: 2702639.7/33



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

Left Out: -0.011+/-0.014 χ^2/NDF:17.3/16

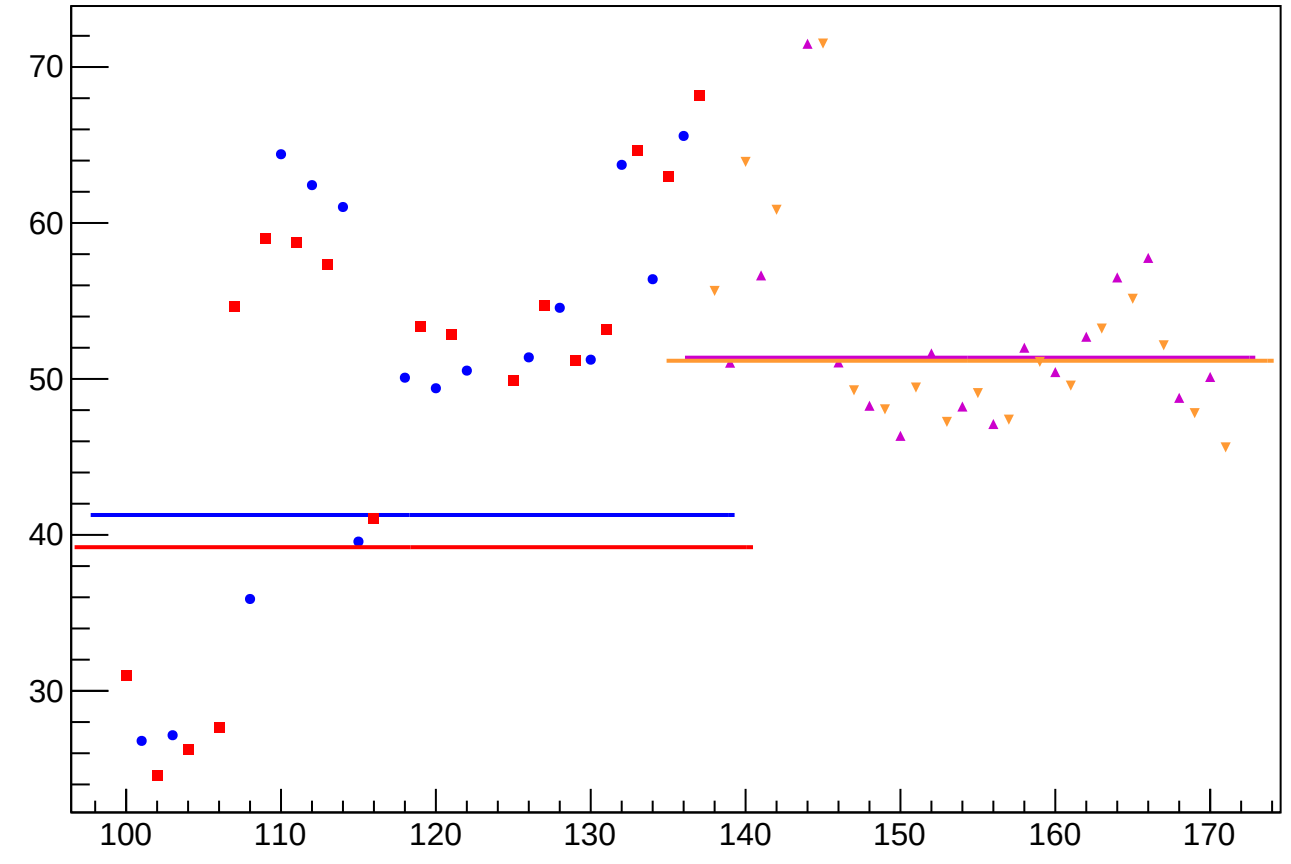
Right Out: -0.018+/-0.016 χ^2/NDF: 12.3/17

Left In: 0.033+/-0.014 χ^2/NDF:18.7/15

+ sign -0.004+/-0.011 χ^2/NDF: 33.4/32

All: 0.003+/-0.008 χ^2/NDF: 70.9/66

- sign 0.010+/-0.011 χ^2/NDF: 36.7/33



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

Left Out: 51.167+/-0.010 χ^2/NDF:300344.3/16

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

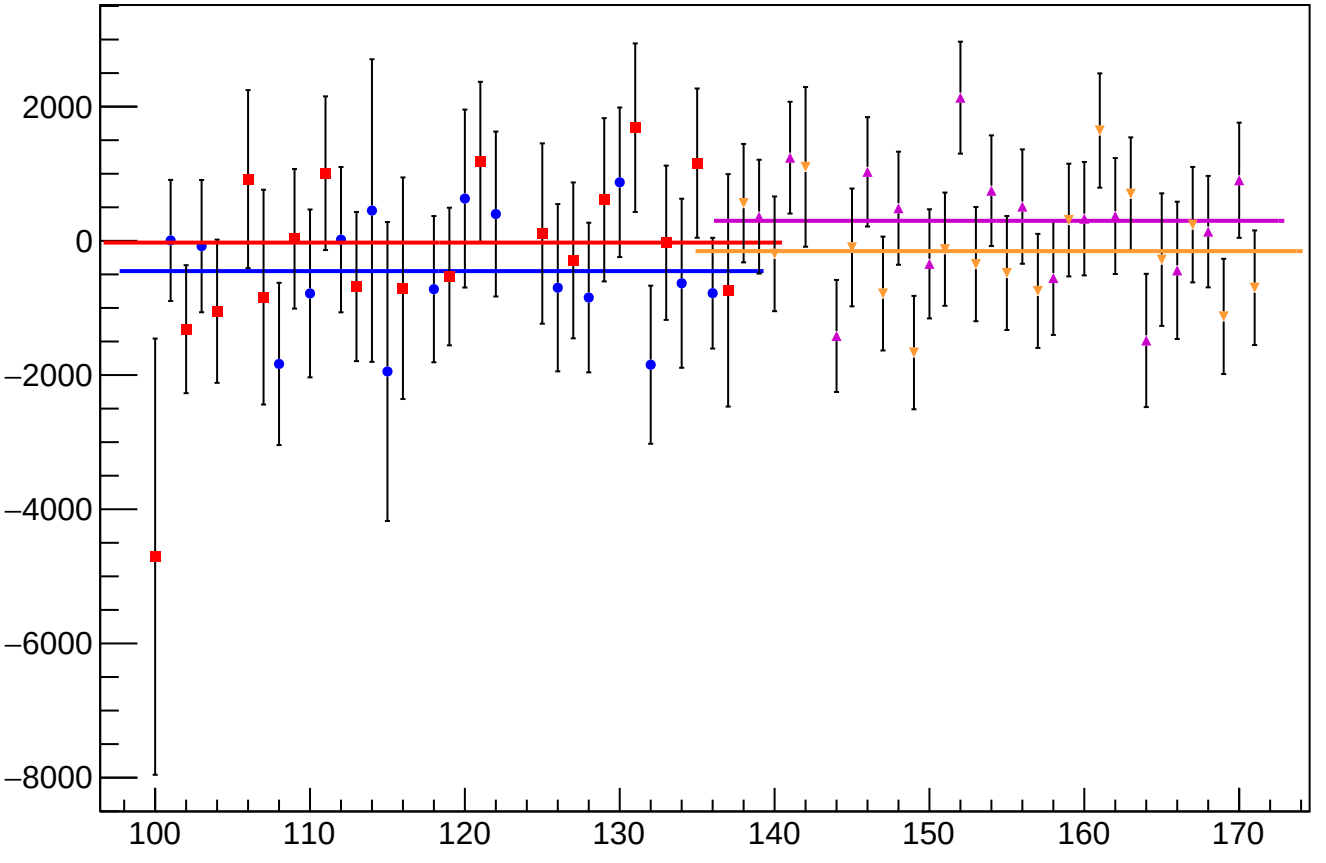
Left In: 51.363+/-0.010 χ^2/NDF:233682.3/15

+ sign 46.956+/-0.008 χ^2/NDF: 2216916.5/32

All: 46.381+/-0.005 χ^2/NDF: 4930747.1/66

- sign 45.823+/-0.008 χ^2/NDF: 2702639.7/33

reg_asym_us_dd_mean vs Slug



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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

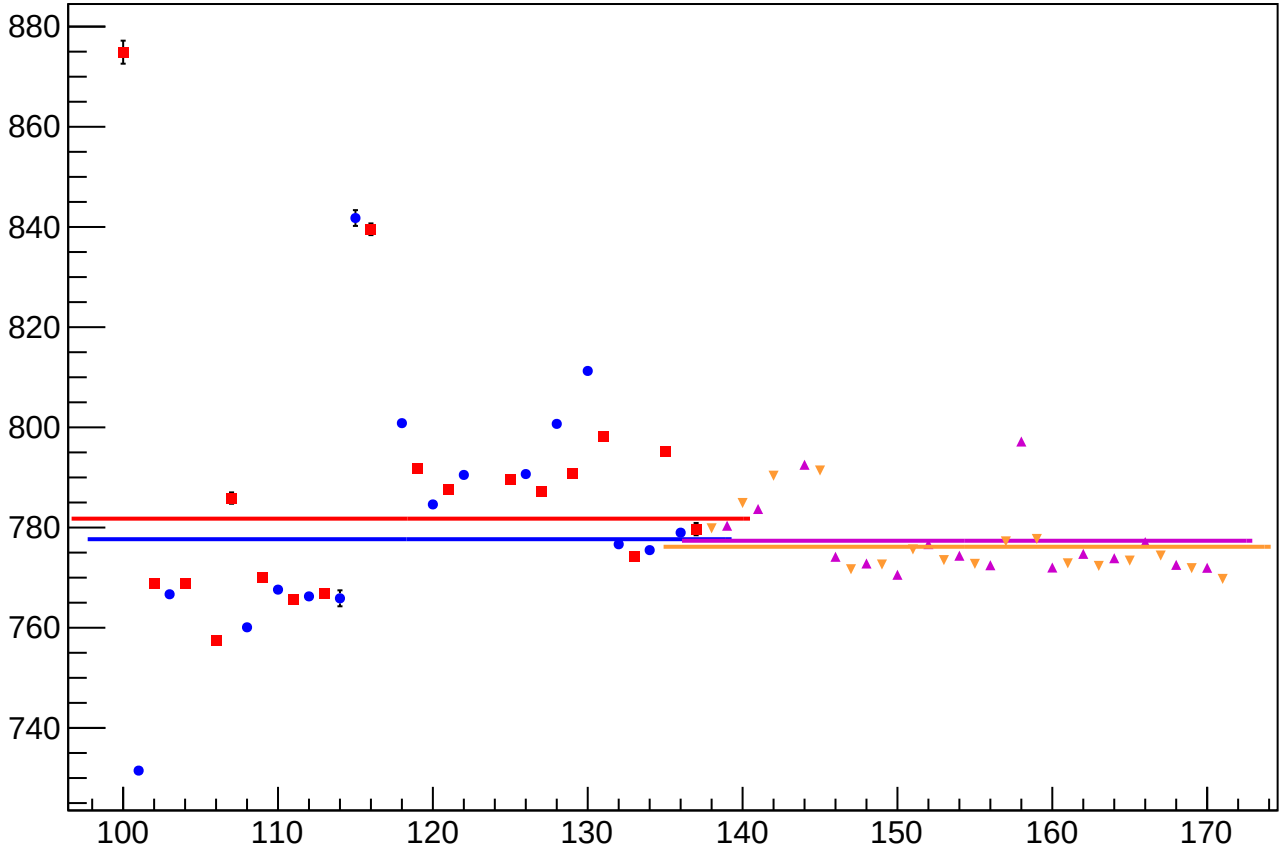
Left In: 298.365+/-213.793 χ^2/NDF:17.5/15

+ sign -257.090+/-170.765 χ^2/NDF: 21.6/32

All: -38.156+/-121.072 χ^2/NDF: 54.8/66

- sign 183.130+/-171.680 χ^2/NDF: 30.0/33

reg_asym_us_dd_rms vs Slug



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

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

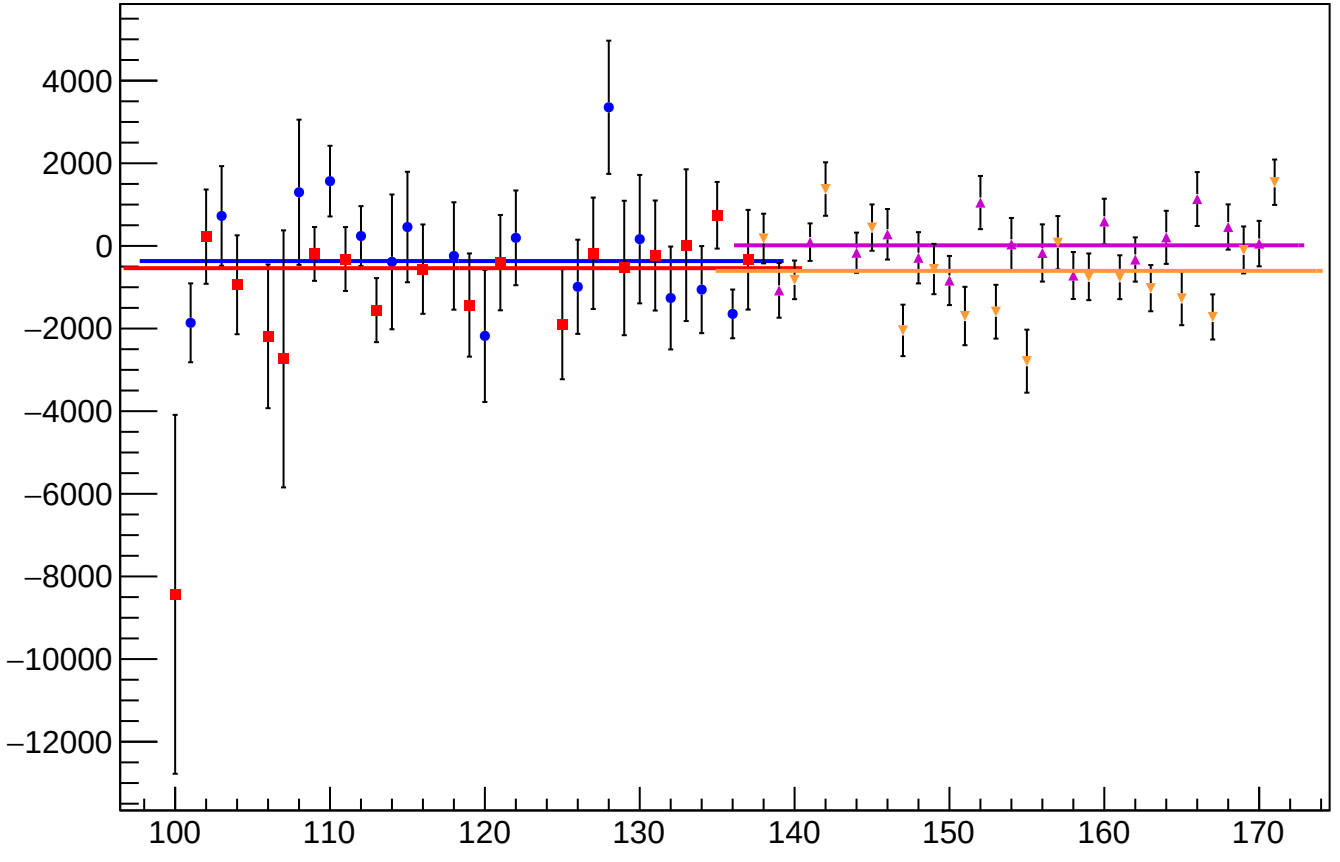
Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

+ sign 776.691+/-0.121 χ^2/NDF: 13632.3/32

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66

- sign 778.932+/-0.121 χ^2/NDF: 10410.2/33

asym_us_dd_reg_correction_mean vs Slug



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

Left Out: -603.821+/-143.331 χ^2/NDF:56.1/16

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

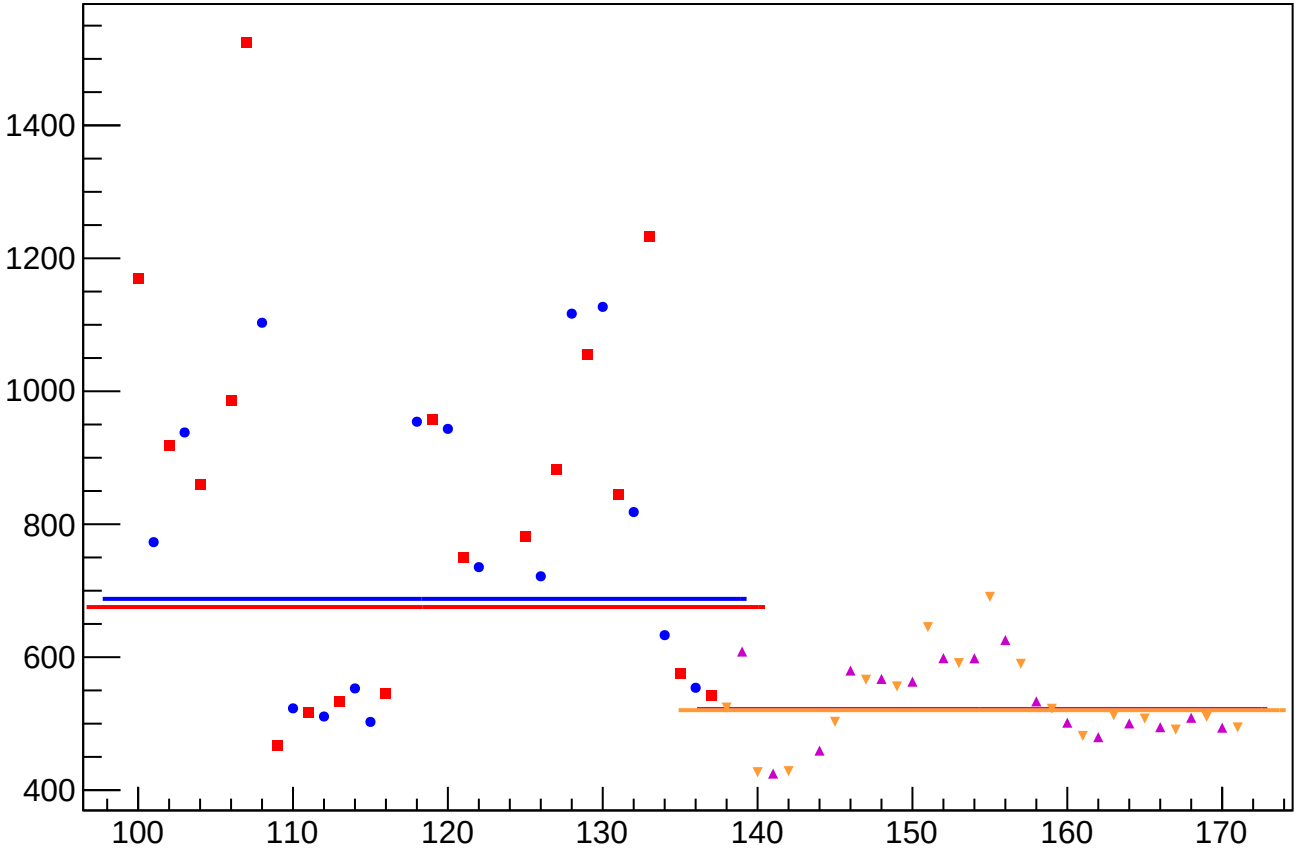
Left In: 14.183+/-144.785 χ^2/NDF:14.9/15

+ sign -550.751+/-126.253 χ^2/NDF: 80.0/32

All: -333.621+/-89.476 χ^2/NDF: 115.9/66

- sign -114.519+/-126.825 χ^2/NDF: 29.9/33

asym_us_dd_reg_correction_rms vs Slug



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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

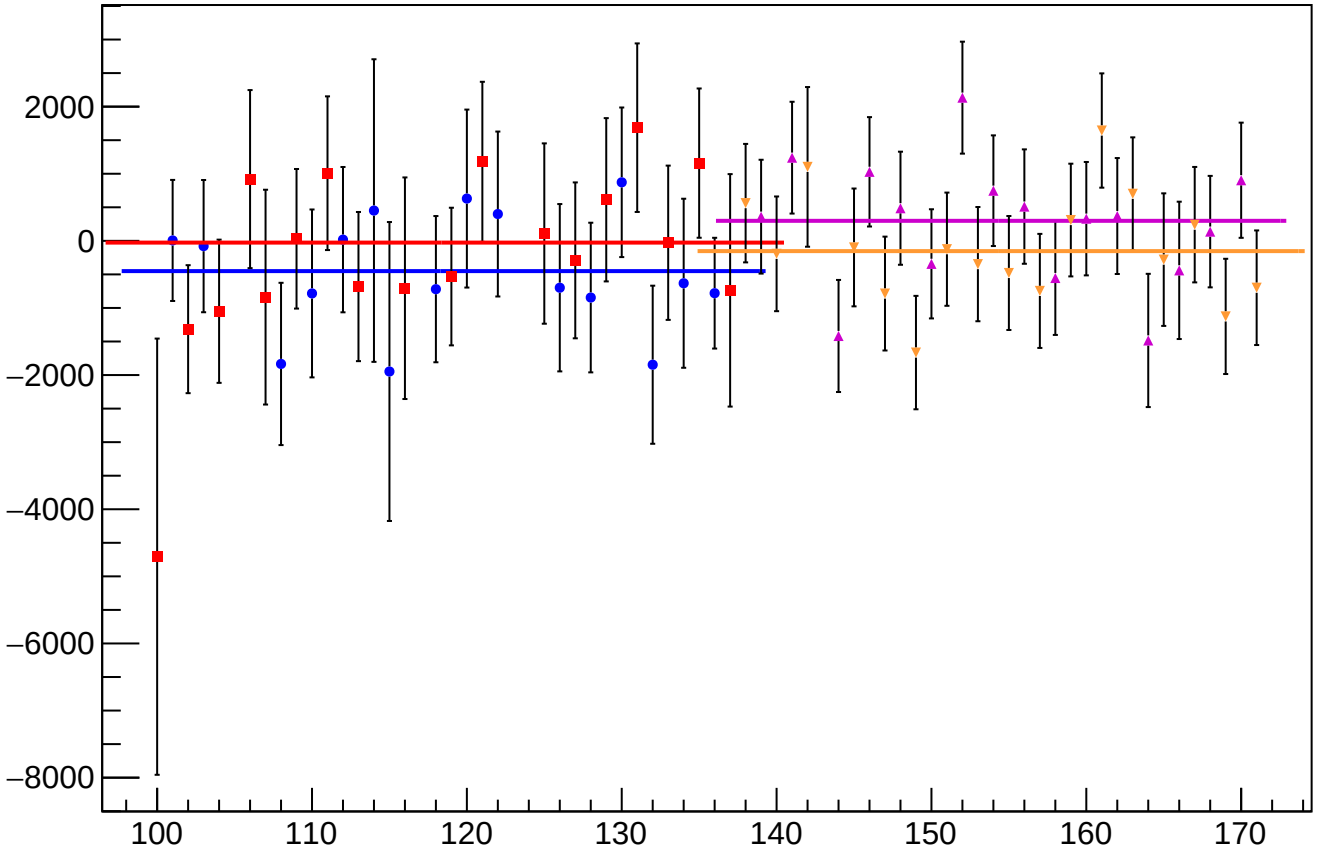
Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

+ sign 557.788+/-0.089 χ^2/NDF: 2015291.6/32

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66

- sign 557.790+/-0.090 χ^2/NDF: 2161520.1/33

cor_asym_us_dd_mean vs Slug



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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

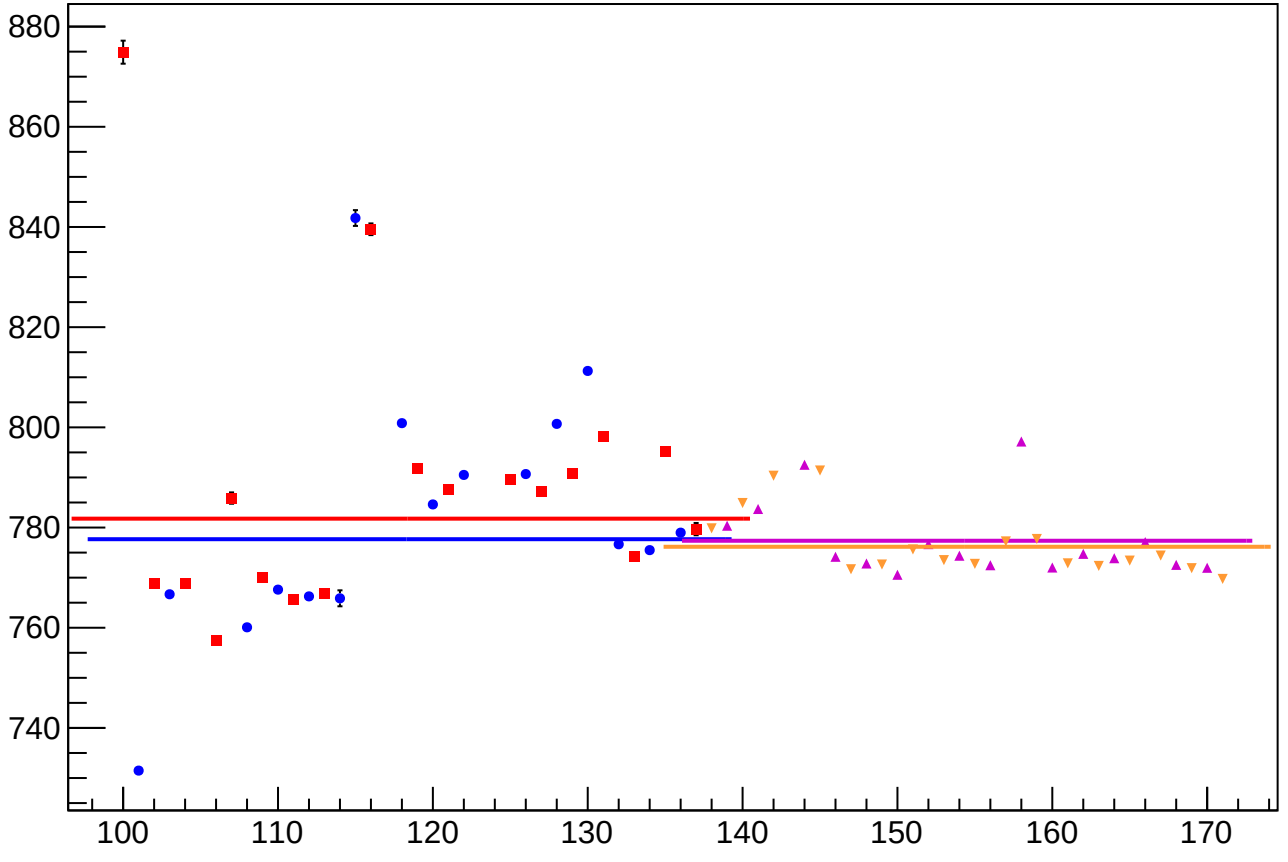
Left In: 298.365+/-213.793 χ^2/NDF:17.5/15

+ sign -257.090+/-170.765 χ^2/NDF: 21.6/32

All: -38.156+/-121.072 χ^2/NDF: 54.8/66

- sign 183.130+/-171.680 χ^2/NDF: 30.0/33

cor_asym_us_dd_rms vs Slug



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

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

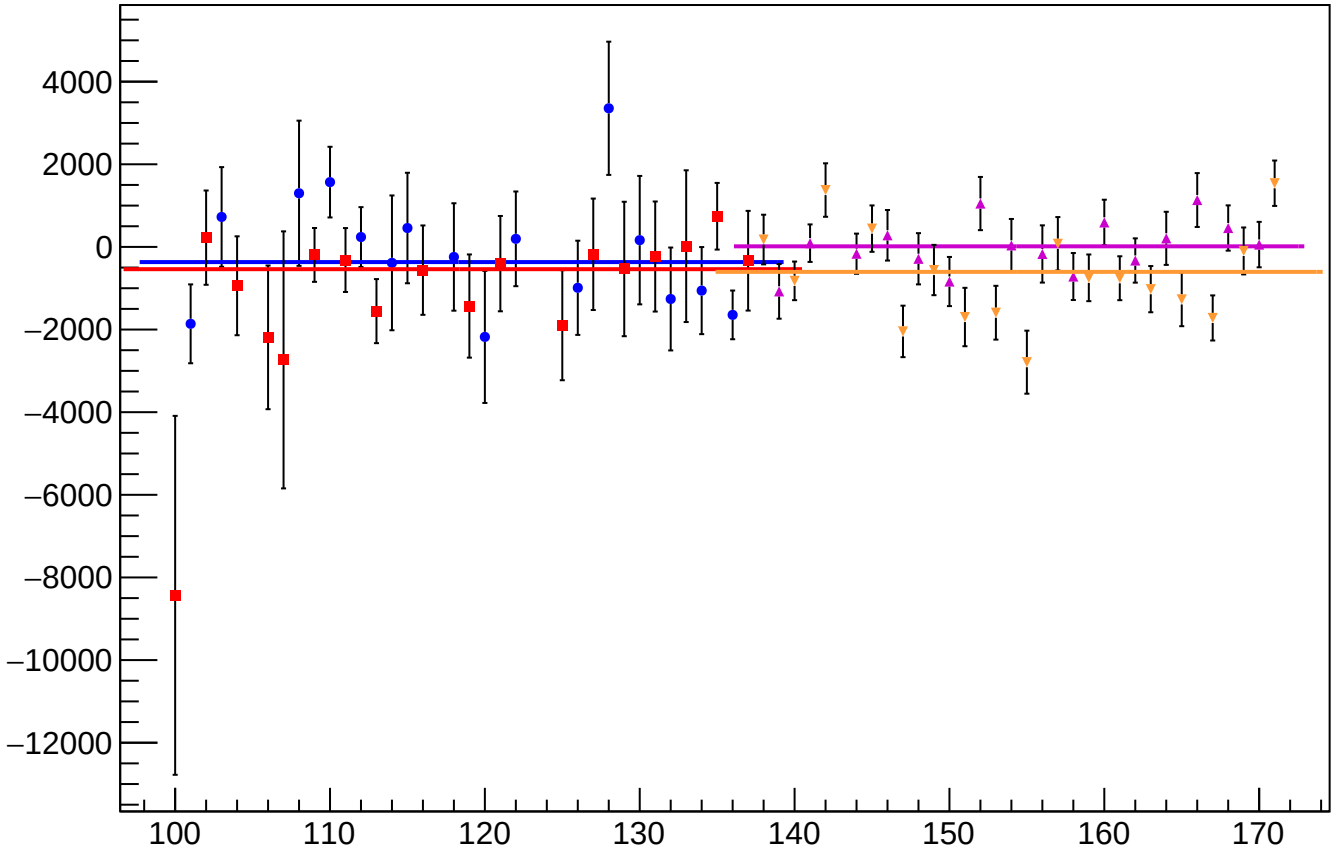
Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

+ sign 776.691+/-0.121 χ^2/NDF: 13632.3/32

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66

- sign 778.932+/-0.121 χ^2/NDF: 10410.2/33

asym_us_dd_cor_correction_mean vs Slug



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

Left Out: -603.821+/-143.331 χ^2/NDF:56.1/16

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

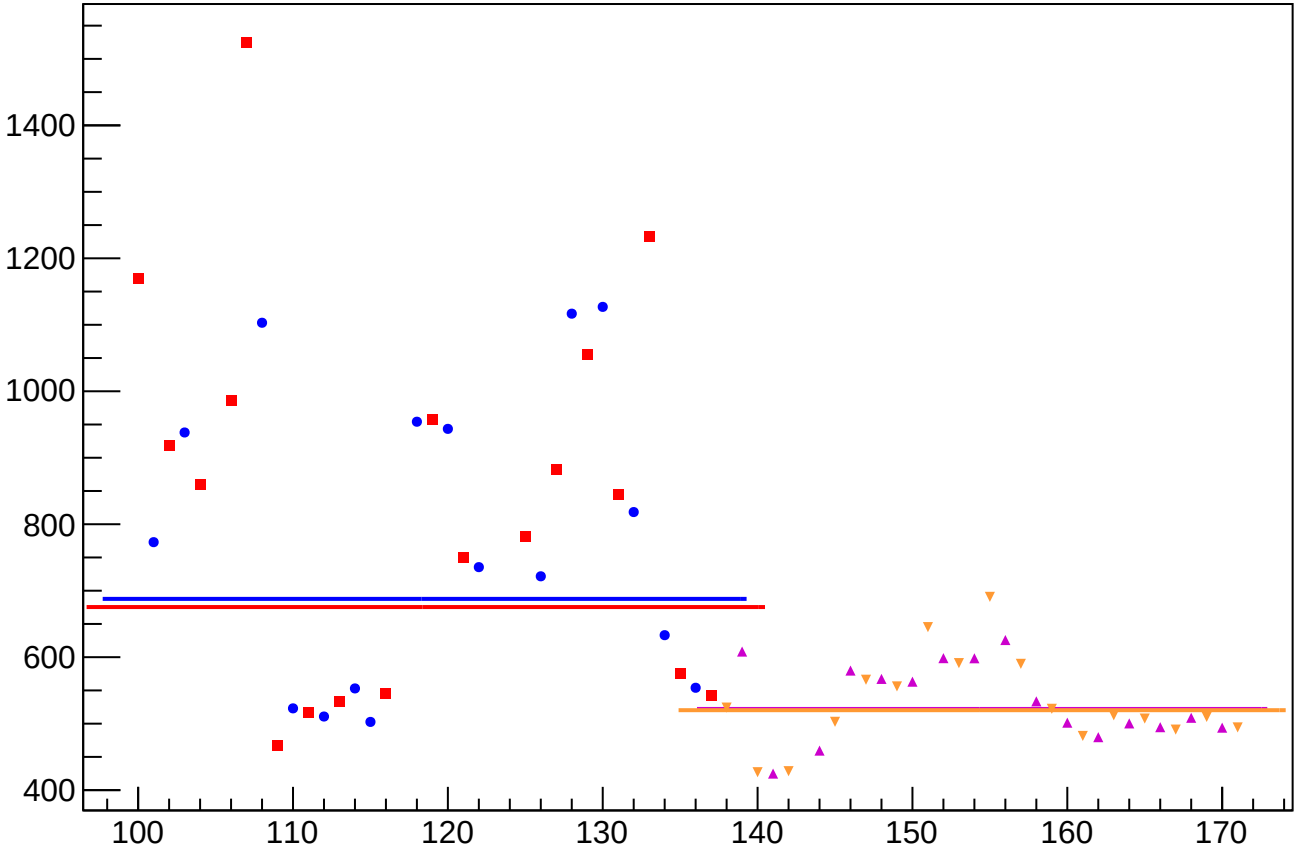
Left In: 14.183+/-144.785 χ^2/NDF:14.9/15

+ sign -550.751+/-126.253 χ^2/NDF: 80.0/32

All: -333.621+/-89.476 χ^2/NDF: 115.9/66

- sign -114.519+/-126.825 χ^2/NDF: 29.9/33

asym_us_dd_cor_correction_rms vs Slug



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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

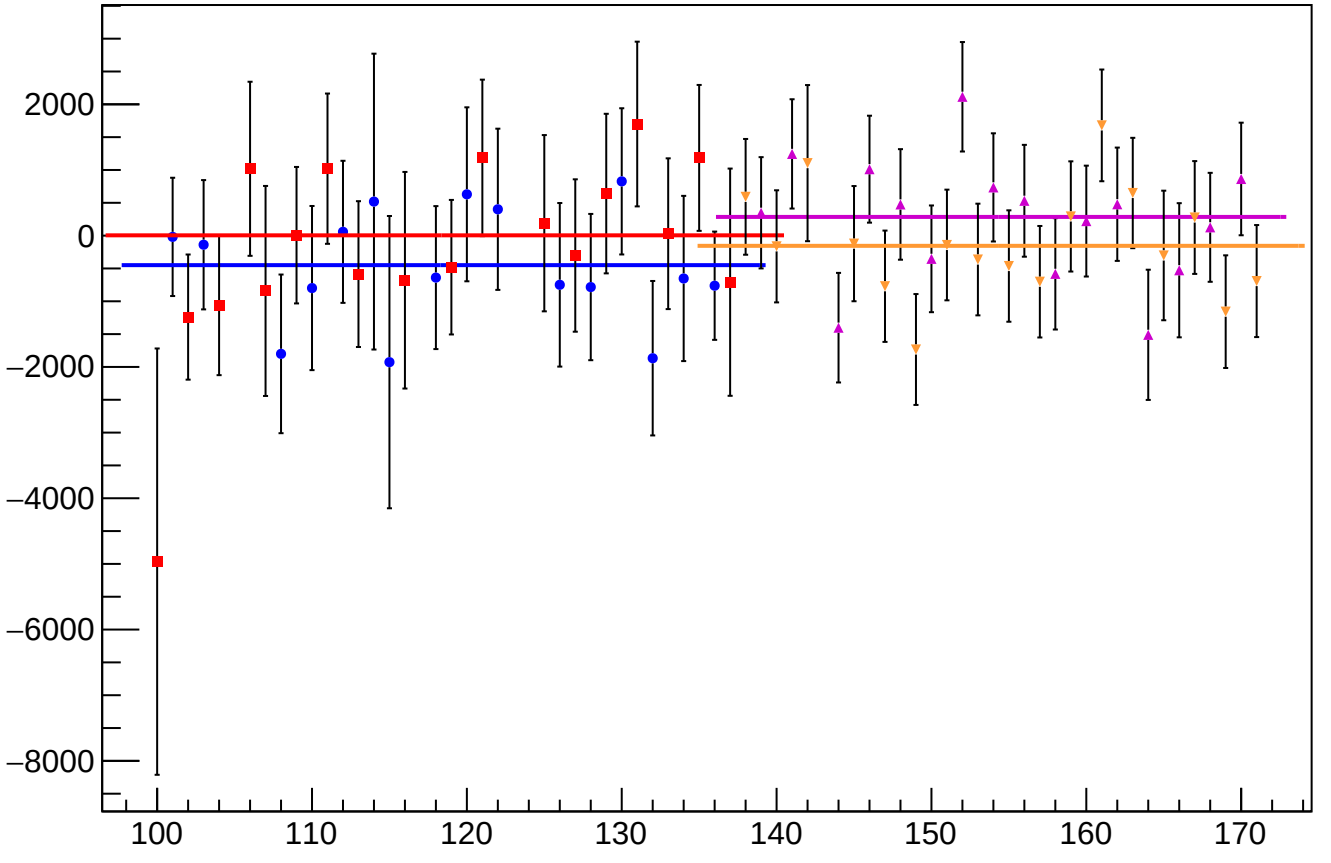
Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

\+ sign 557.788+/-0.089 χ^2/NDF: 2015291.6/32

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66

\- sign 557.790+/-0.090 χ^2/NDF: 2161520.1/33

overload_cor_asym_us_dd_mean vs Slug



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

Left Out: -155.267+/-211.495 χ^2/NDF:14.4/16

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

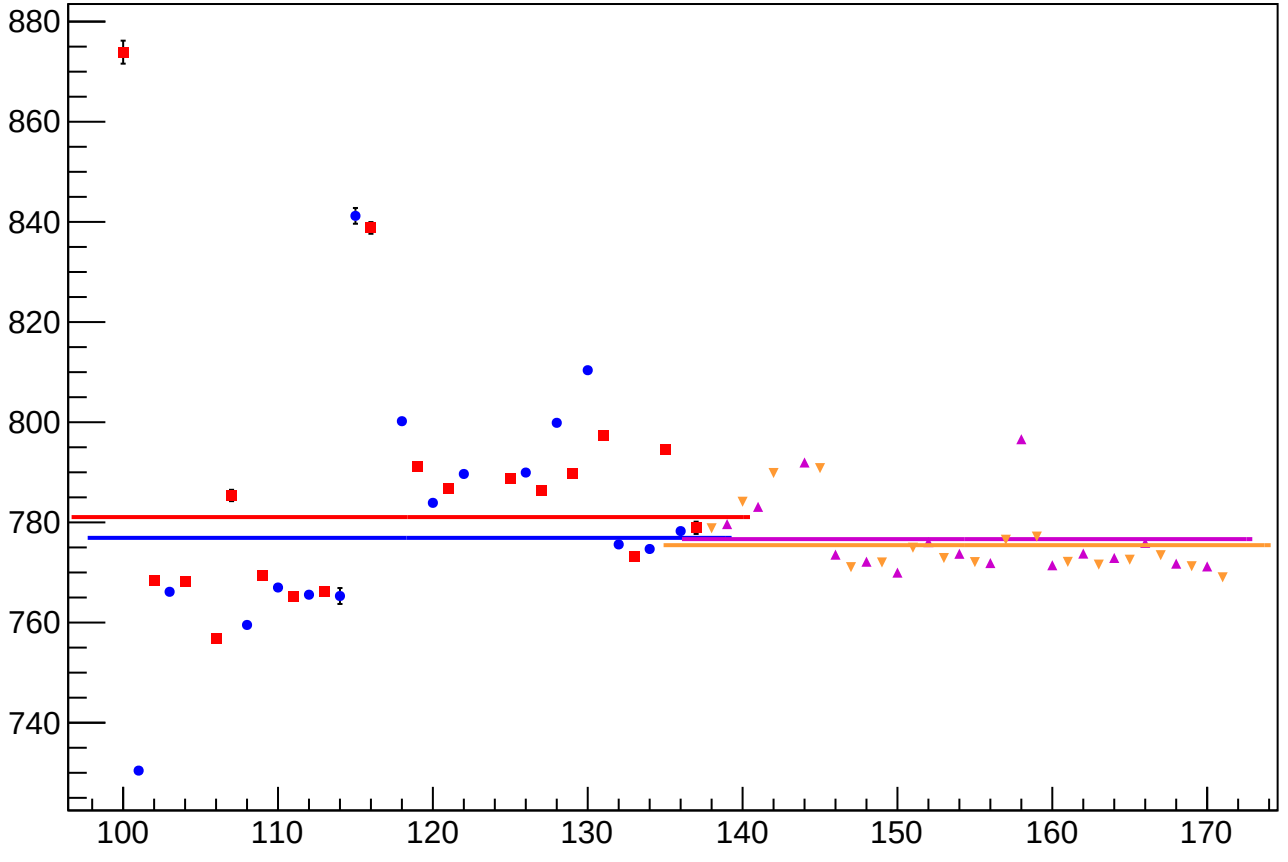
Left In: 285.073+/-213.600 χ^2/NDF:17.6/15

+ sign -258.015+/-170.605 χ^2/NDF: 21.8/32

All: -37.461+/-120.960 χ^2/NDF: 55.2/66

- sign 185.476+/-171.525 χ^2/NDF: 30.0/33

overload_cor_asym_us_dd_rms vs Slug



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

Left Out: 775.453+/-0.150 χ^2/NDF:1556.5/16

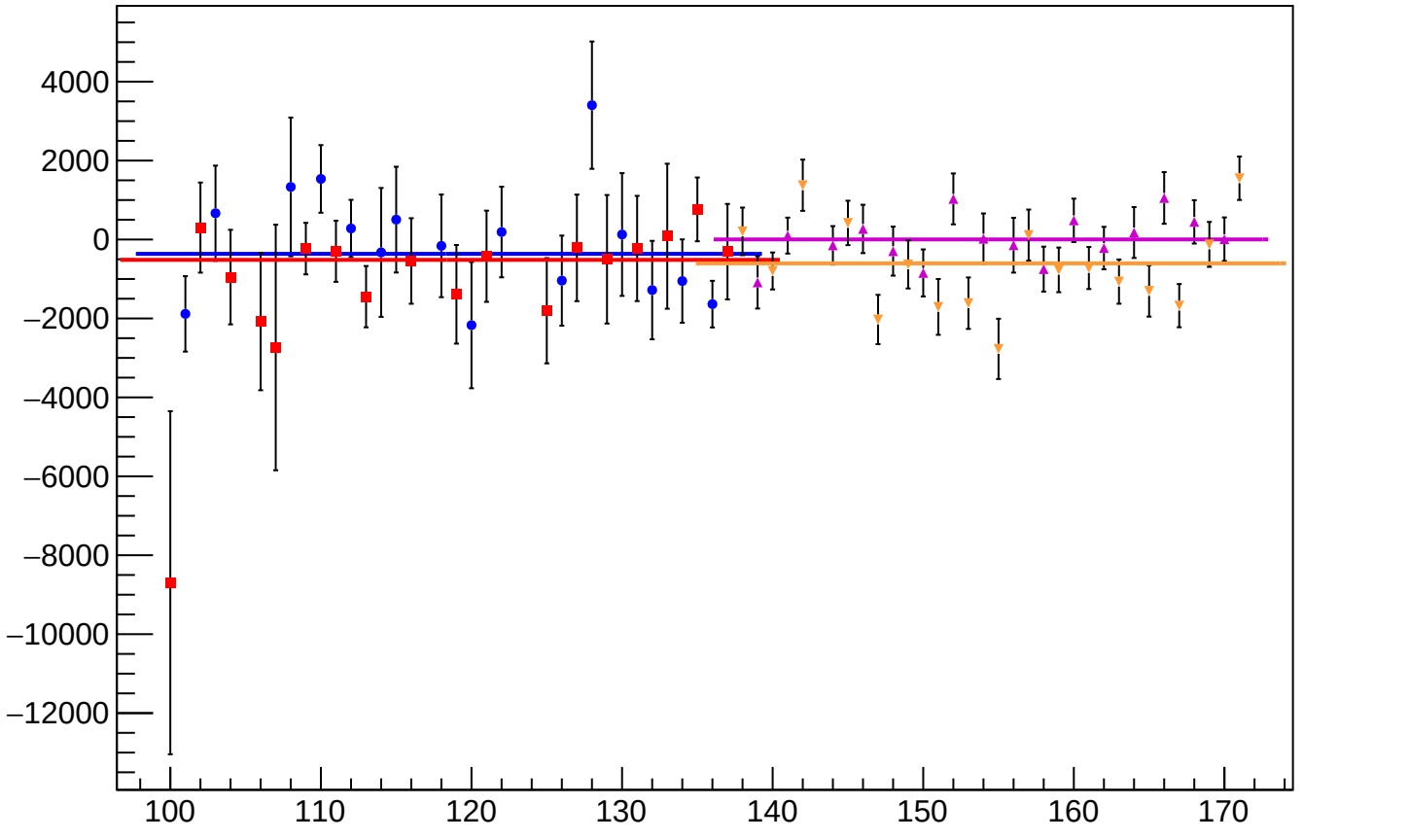
Right Out: 781.061+/-0.204 χ^2/NDF: 7585.8/17

Left In: 776.663+/-0.151 χ^2/NDF:2514.0/15

+ sign 775.963+/-0.121 χ^2/NDF: 13713.3/32

All: 777.088+/-0.086 χ^2/NDF: 24289.1/66

- sign 778.225+/-0.121 χ^2/NDF: 10401.0/33



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

Left Out: -604.634+/-143.641 χ^2/NDF:55.8/16

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

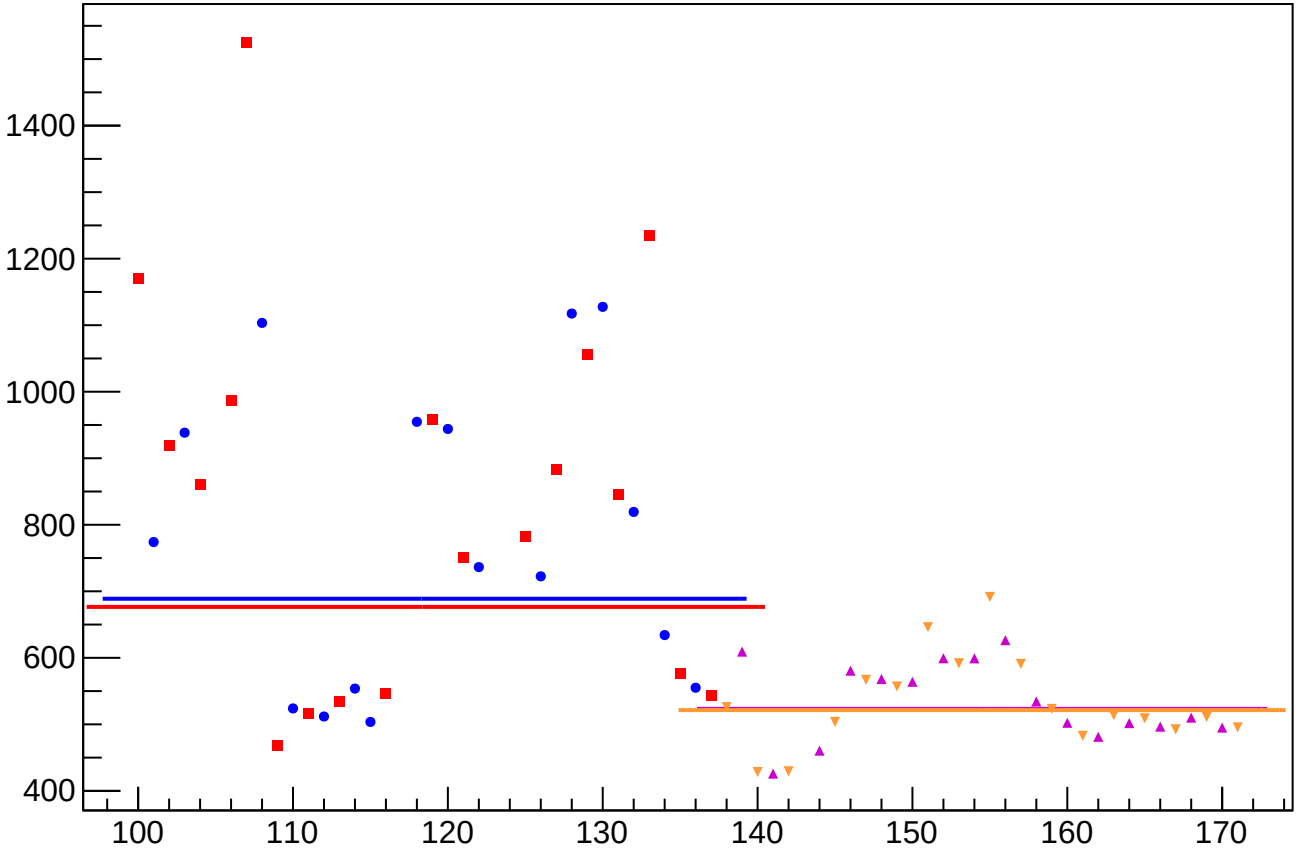
Left In: 2.365+/-145.094 χ^2/NDF:13.9/15

+ sign -550.381+/-126.506 χ^2/NDF: 79.8/32

All: -335.270+/-89.655 χ^2/NDF: 113.8/66

- sign -118.214+/-127.077 χ^2/NDF: 28.2/33

asym_us_dd_overload_cor_correction_rms vs Slug



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

Left Out: 521.433+/-0.102 χ^2/NDF:368395.8/16

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

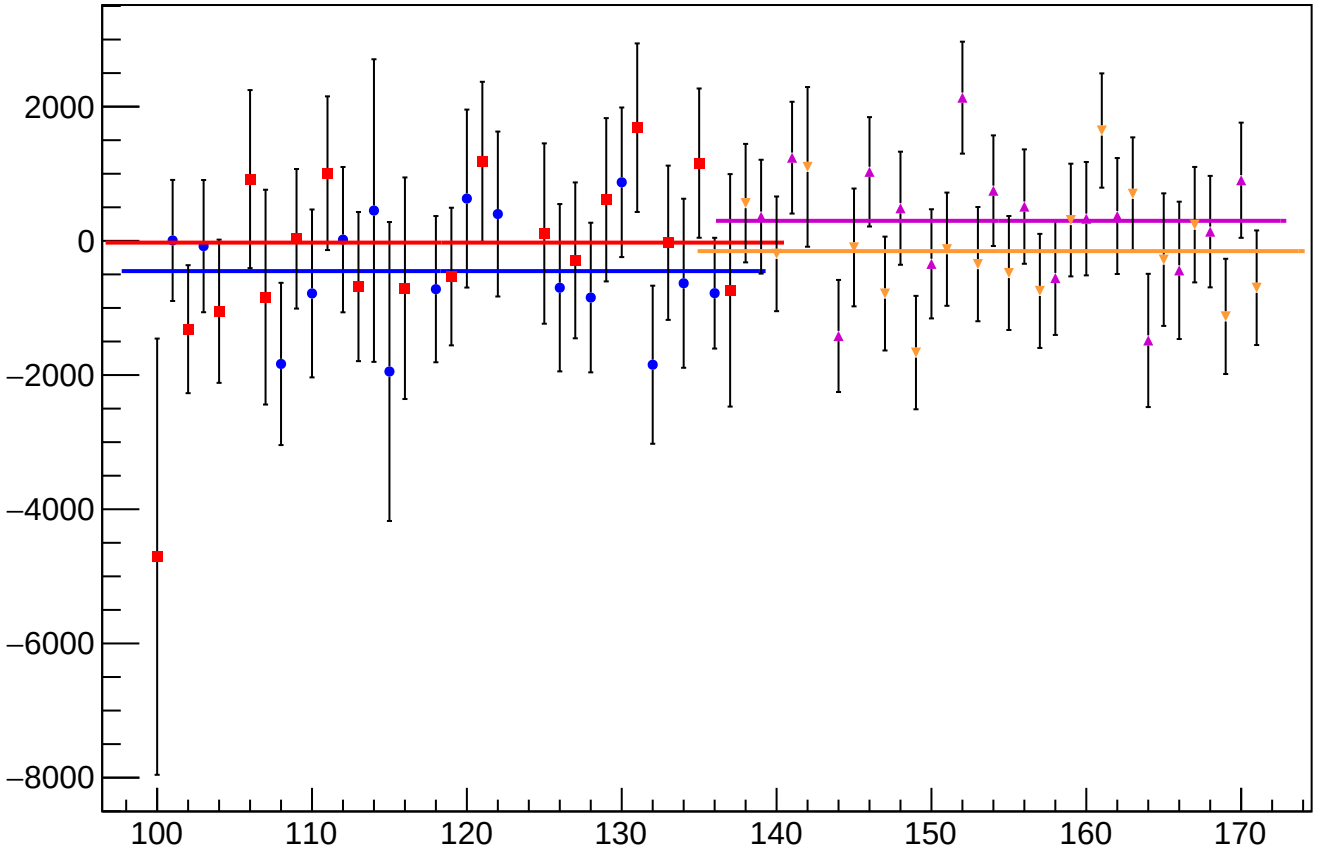
Left In: 523.270+/-0.103 χ^2/NDF:323790.3/15

+ sign 558.988+/-0.089 χ^2/NDF: 2005885.8/32

All: 558.983+/-0.063 χ^2/NDF: 4157771.0/66

- sign 558.979+/-0.090 χ^2/NDF: 2151885.3/33

eigen_cor_asym_us_dd_mean vs Slug



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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

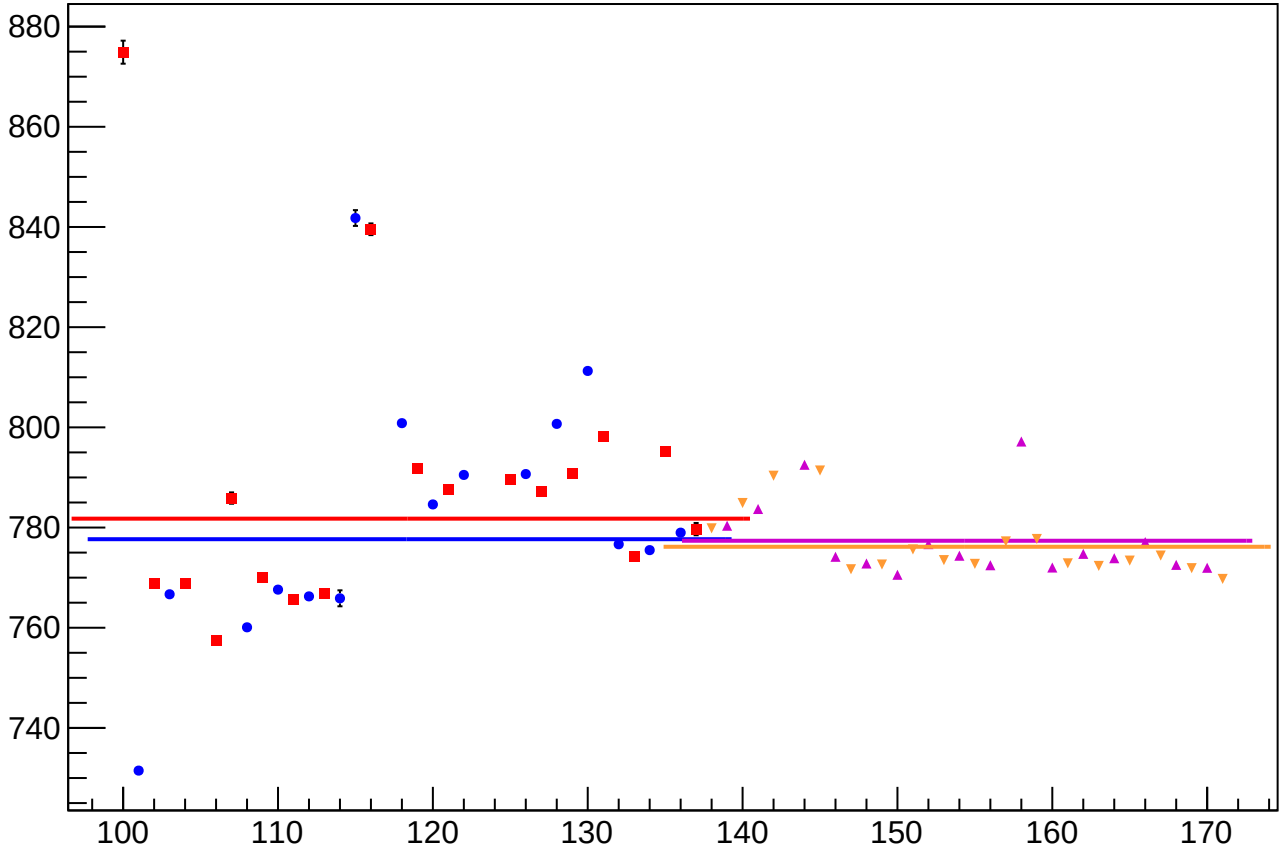
Left In: 298.365+/-213.793 χ^2/NDF:17.5/15

+ sign -257.090+/-170.765 χ^2/NDF: 21.6/32

All: -38.156+/-121.072 χ^2/NDF: 54.8/66

- sign 183.130+/-171.680 χ^2/NDF: 30.0/33

eigen_cor_asym_us_dd_rms vs Slug



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

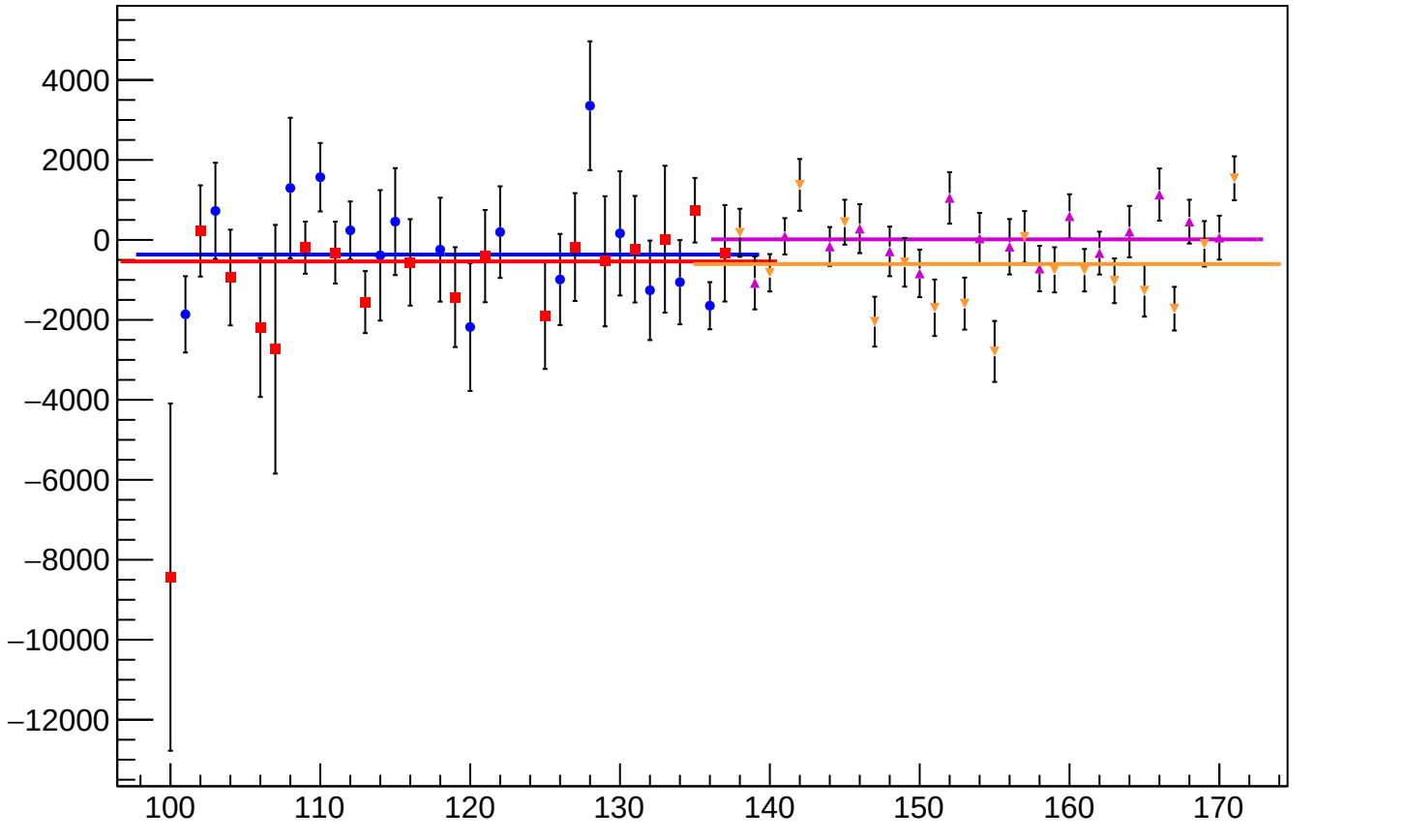
Right Out: 781.777+/-0.204 χ^2/NDF: 7626.3/17

Left In: 777.365+/-0.151 χ^2/NDF:2481.4/15

+ sign 776.691+/-0.121 χ^2/NDF: 13632.3/32

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66

- sign 778.932+/-0.121 χ^2/NDF: 10410.2/33



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

Left Out: -603.821+/-143.331 χ^2/NDF:56.1/16

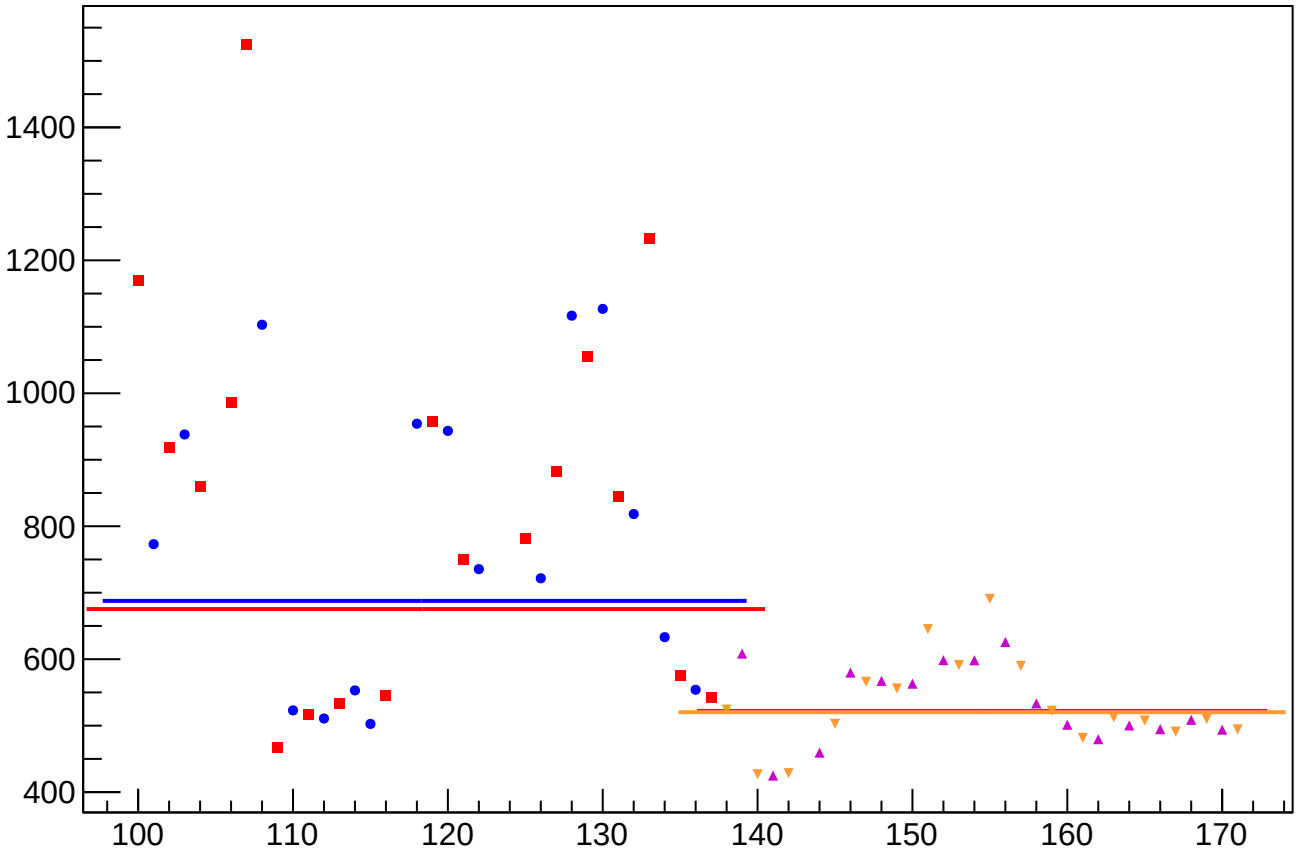
Right Out: -538.887+/-262.907 χ^2/NDF: 11.7/17

Left In: 14.183+/-144.785 χ^2/NDF:14.9/15

+ sign -550.751+/-126.253 χ^2/NDF: 80.0/32

All: -333.621+/-89.476 χ^2/NDF: 115.9/66

- sign -114.519+/-126.825 χ^2/NDF: 29.9/33



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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

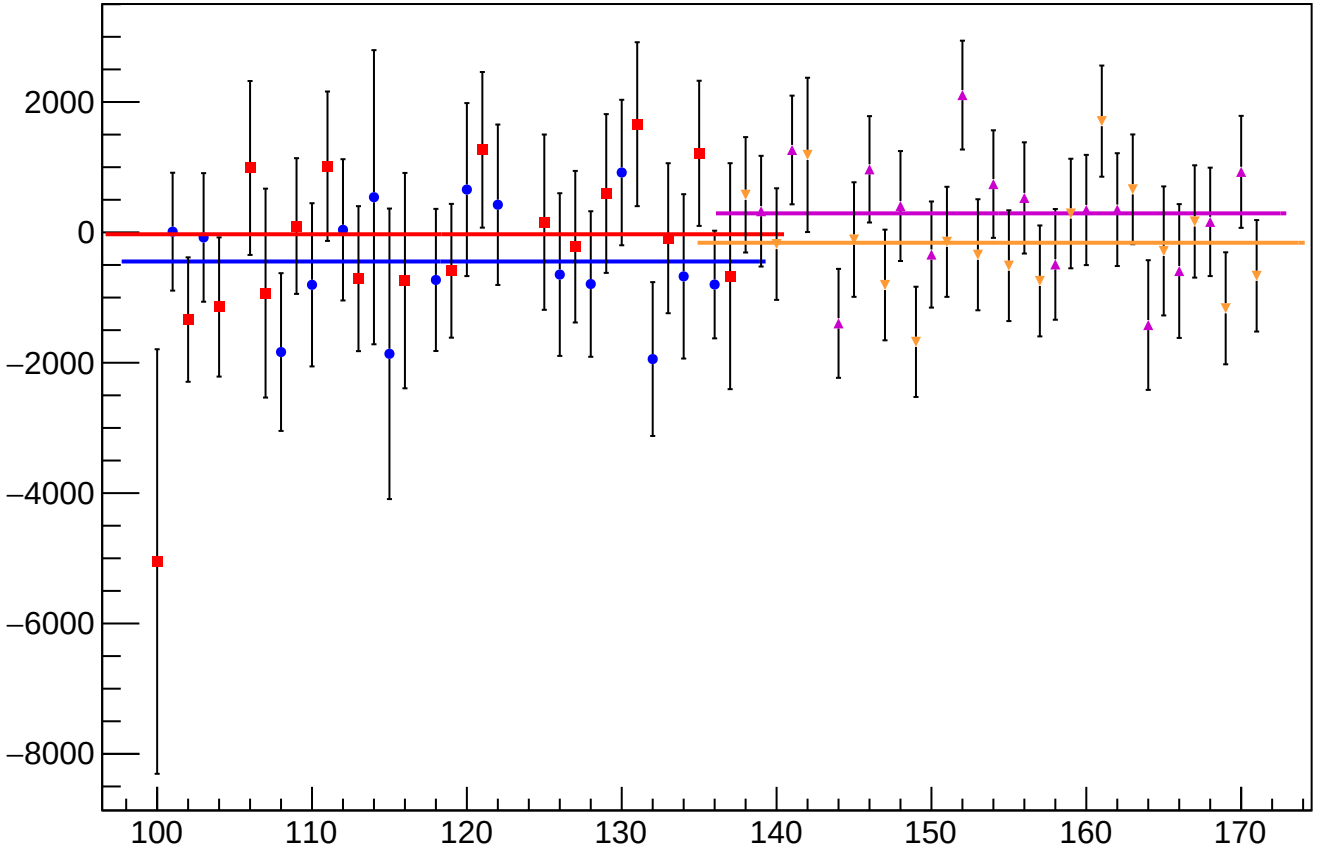
Left In: 522.118+/-0.102 χ^2/NDF:326809.3/15

+ sign 557.788+/-0.089 χ^2/NDF: 2015291.6/32

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66

- sign 557.790+/-0.090 χ^2/NDF: 2161520.1/33

dit_asym_us_dd_mean vs Slug



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

Left Out: -159.306+/-211.875 χ^2/NDF:14.4/16

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

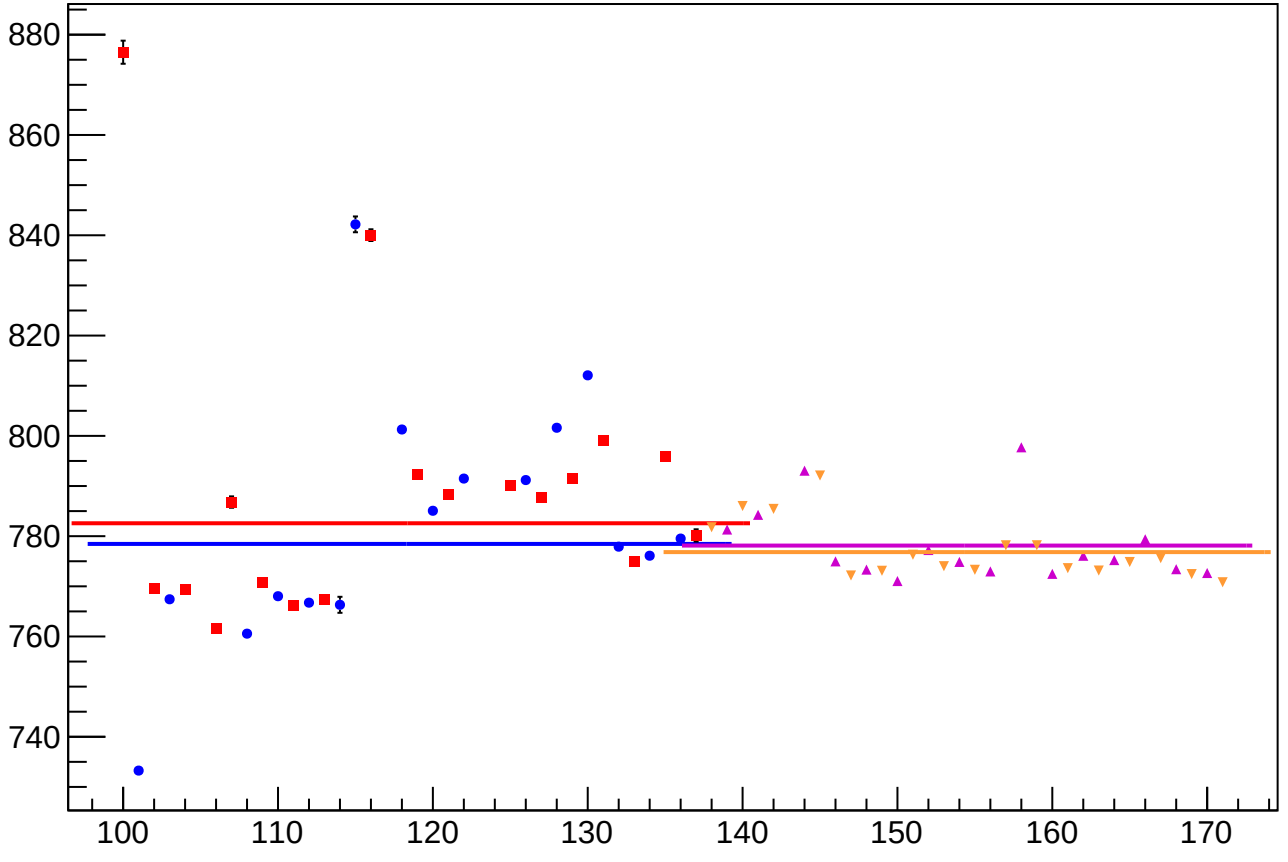
Left In: 291.891+/-214.002 χ^2/NDF:17.0/15

\+ sign -259.653+/-170.923 χ^2/NDF: 22.3/32

All: -42.008+/-121.188 χ^2/NDF: 56.0/66

\- sign 178.006+/-171.851 χ^2/NDF: 30.4/33

dit_asym_us_dd_rms vs Slug



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

Left Out: 776.825+/-0.150 χ^2/NDF:1399.3/16

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

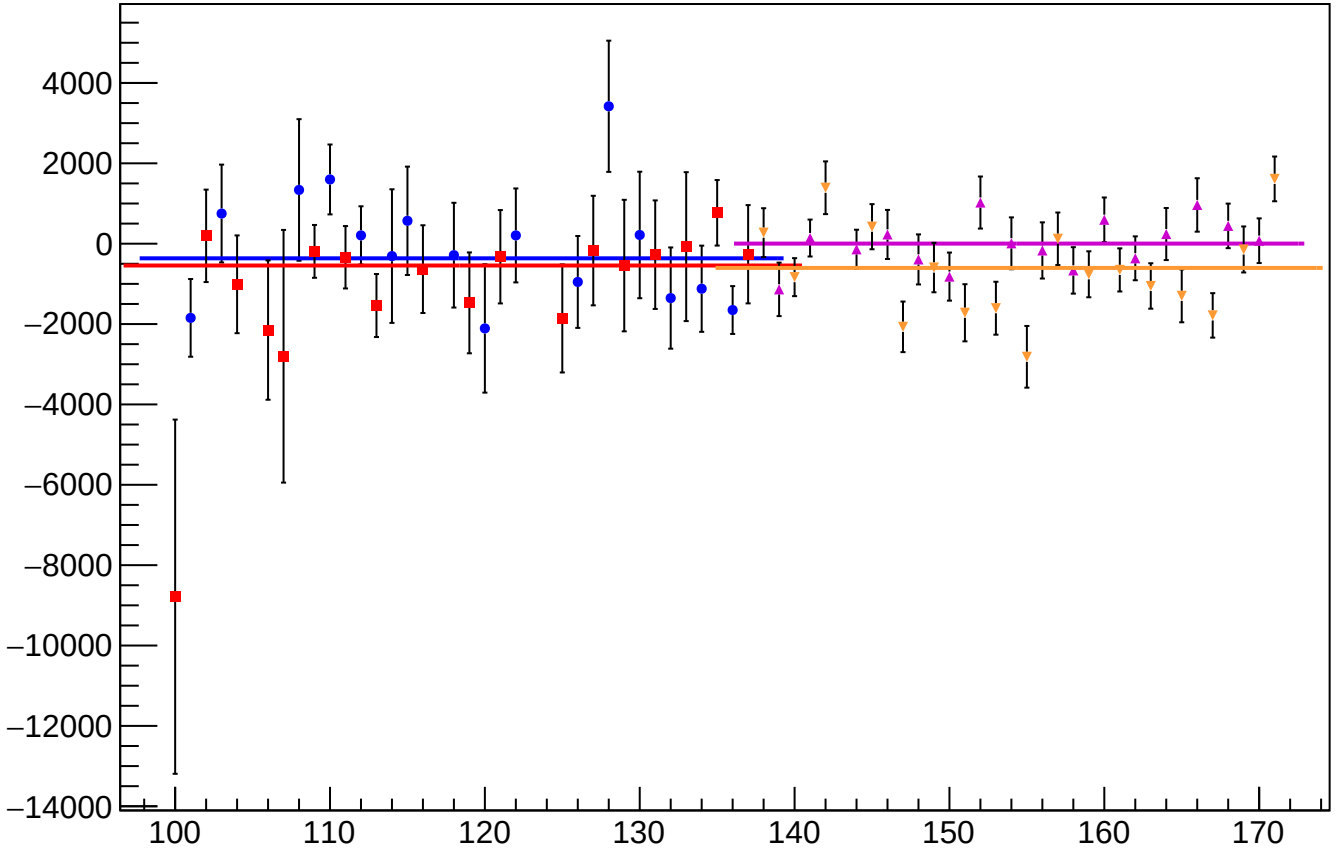
Left In: 778.127+/-0.151 χ^2/NDF:2456.9/15

+ sign 777.395+/-0.121 χ^2/NDF: 13235.9/32

All: 778.544+/-0.086 χ^2/NDF: 23663.1/66

- sign 779.707+/-0.122 χ^2/NDF: 10245.2/33

asym_us_dd_dit_correction_mean vs Slug



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

Left Out: -602.923+/-144.829 χ^2/NDF:57.5/16

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

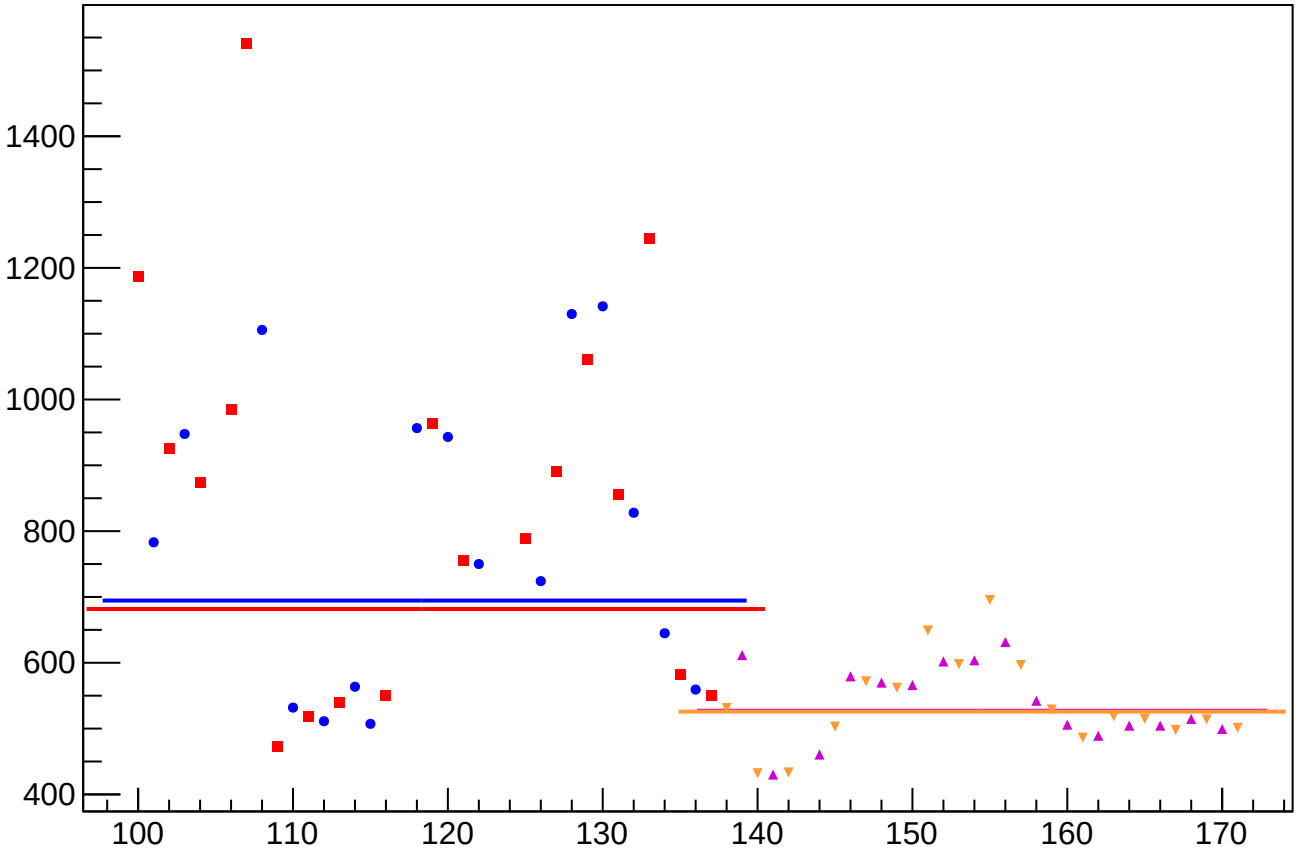
Left In: 2.400+/-146.122 χ^2/NDF:13.9/15

+ sign -549.323+/-127.555 χ^2/NDF: 81.4/32

All: -337.651+/-90.348 χ^2/NDF: 115.9/66

- sign -124.534+/-127.989 χ^2/NDF: 28.9/33

asym_us_dd_dit_correction_rms vs Slug



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

Left Out: 525.800+/-0.102 χ^2/NDF:366184.7/16

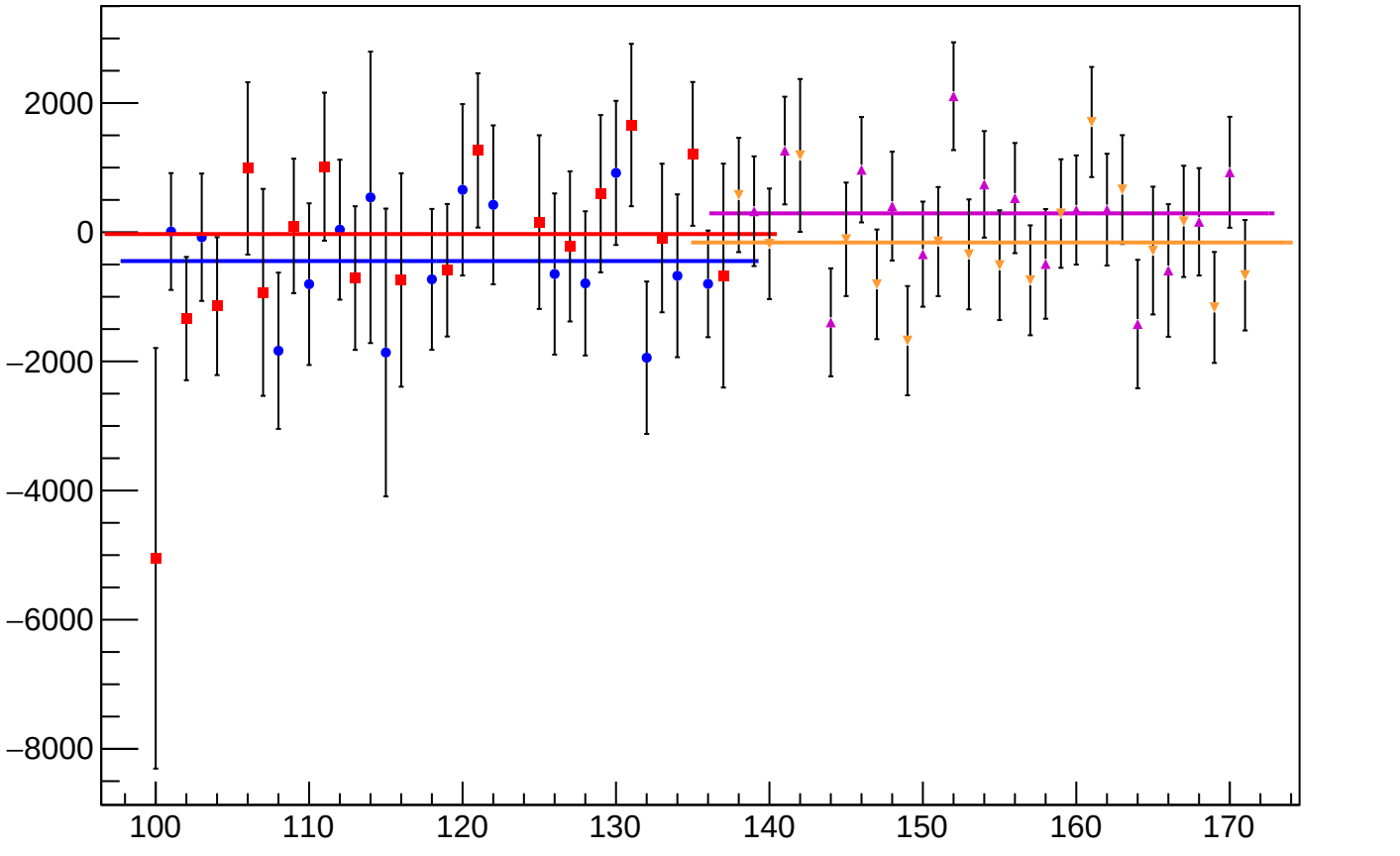
Right Out: 681.744+/-0.188 χ^2/NDF: 1311322.6/17

Left In: 527.134+/-0.103 χ^2/NDF:315833.2/15

+ sign 563.648+/-0.090 χ^2/NDF: 2004953.9/32

All: 563.387+/-0.064 χ^2/NDF: 4153361.9/66

- sign 563.125+/-0.091 χ^2/NDF: 2148391.2/33



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

Left Out: -159.307+/-211.875 χ^2/NDF:14.4/16

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

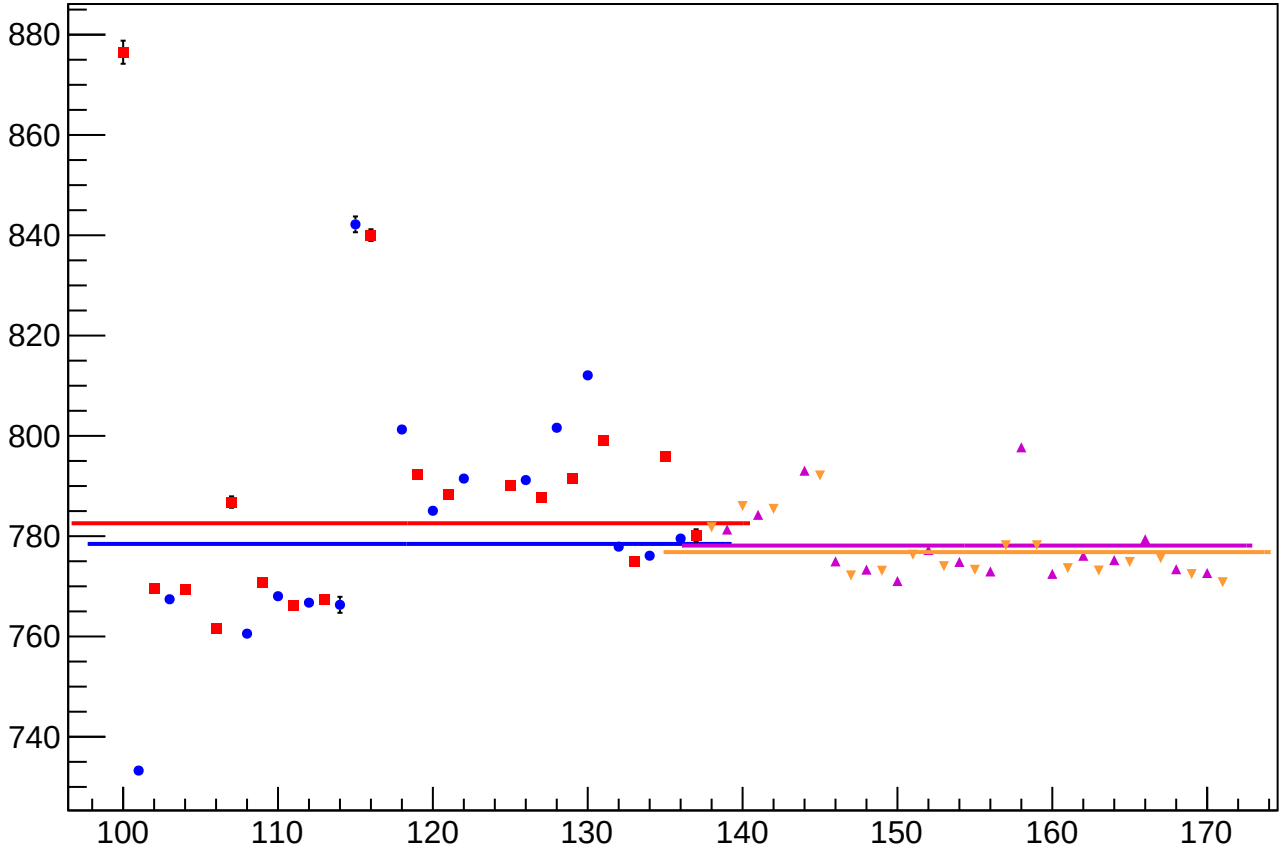
Left In: 291.890+/-214.002 χ^2/NDF:17.0/15

+ sign -259.654+/-170.923 χ^2/NDF: 22.3/32

All: -42.009+/-121.188 χ^2/NDF: 56.0/66

- sign 178.006+/-171.851 χ^2/NDF: 30.4/33

eigen_dit_asym_us_dd_rms vs Slug



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

Left Out: 776.825+/-0.150 χ^2/NDF:1399.3/16

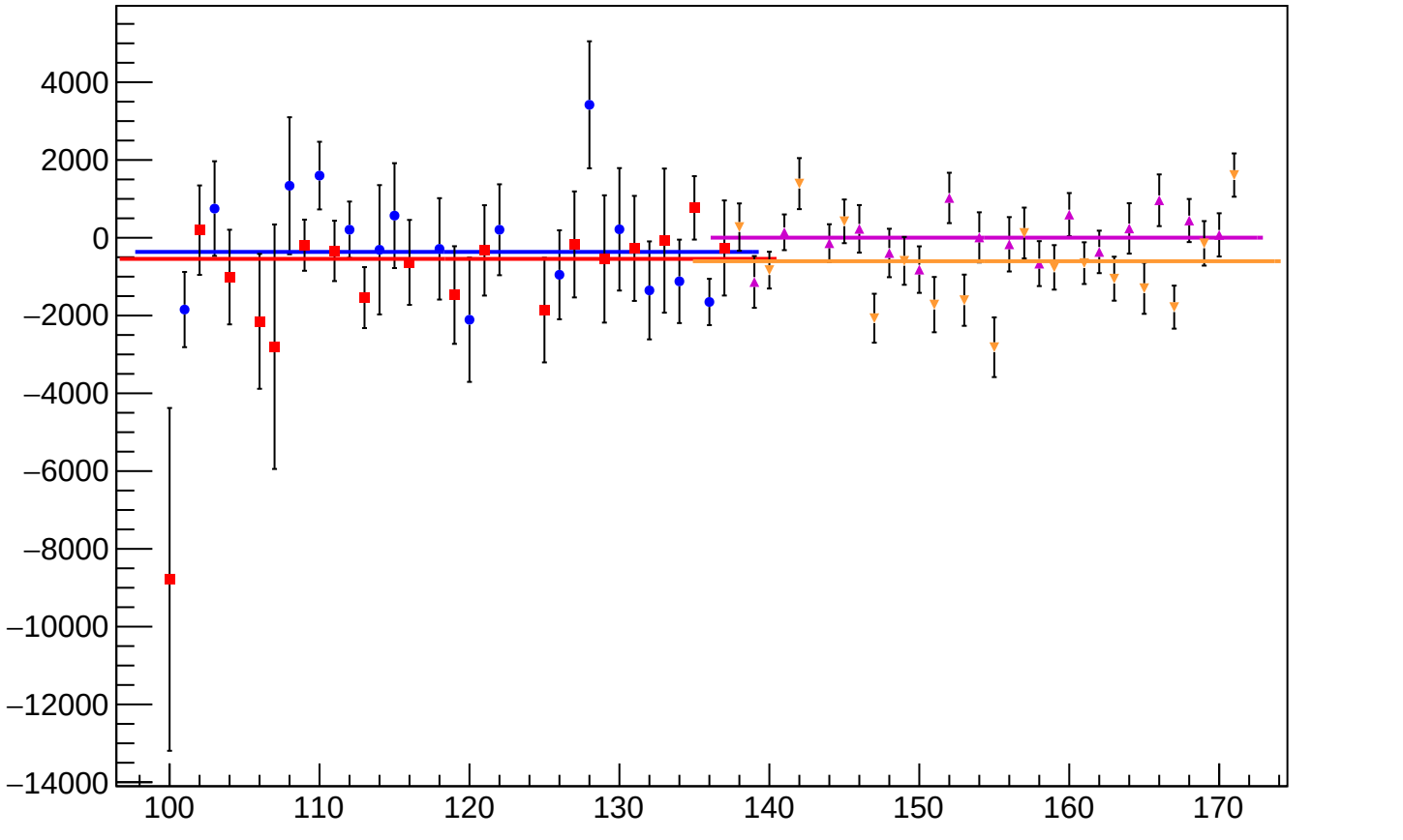
Right Out: 782.575+/-0.204 χ^2/NDF: 7481.4/17

Left In: 778.127+/-0.151 χ^2/NDF:2456.9/15

+ sign 777.395+/-0.121 χ^2/NDF: 13235.8/32

All: 778.544+/-0.086 χ^2/NDF: 23663.0/66

- sign 779.707+/-0.122 χ^2/NDF: 10245.2/33



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

Left Out: -602.923+/-144.829 χ^2/NDF:57.5/16

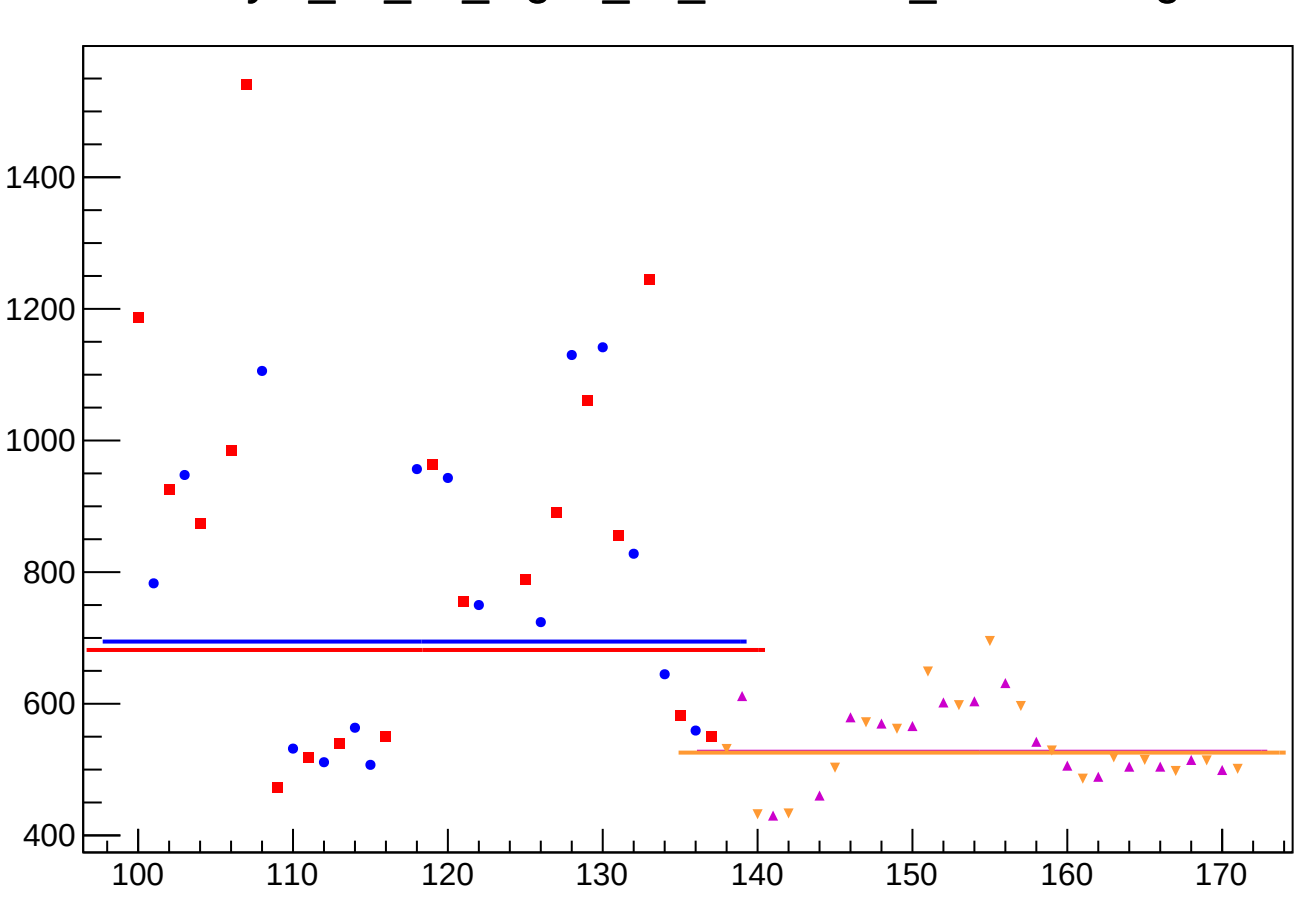
Right Out: -542.878+/-265.272 χ^2/NDF: 11.8/17

Left In: 2.401+/-146.122 χ^2/NDF:13.9/15

+ sign -549.321+/-127.554 χ^2/NDF: 81.4/32

All: -337.650+/-90.348 χ^2/NDF: 115.9/66

- sign -124.534+/-127.989 χ^2/NDF: 28.9/33



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

Left Out: 525.800+/-0.102 χ^2/NDF:366197.1/16

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

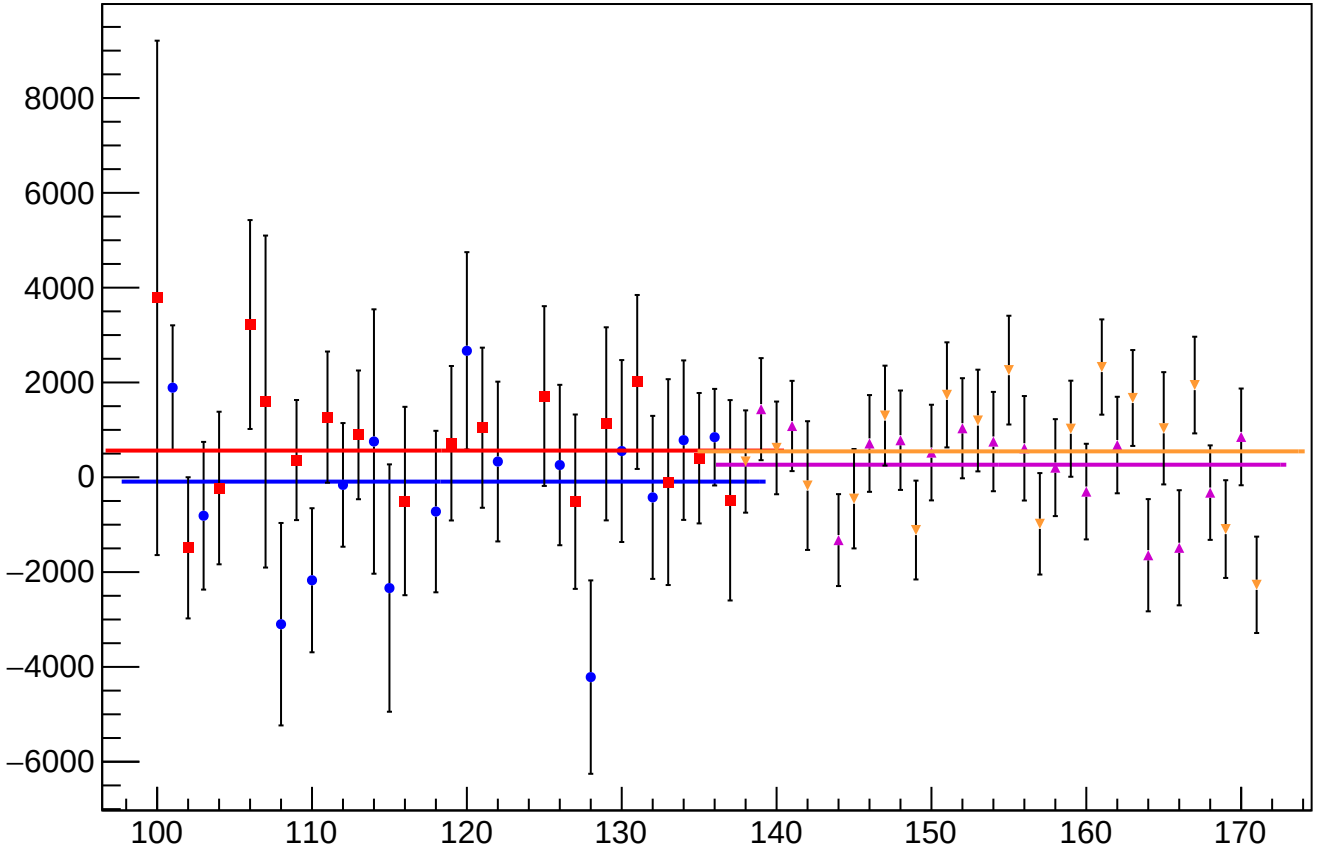
Left In: 527.134+/-0.103 χ^2/NDF:315846.0/15

+ sign 563.647+/-0.090 χ^2/NDF: 2004956.8/32

All: 563.387+/-0.064 χ^2/NDF: 4153377.9/66

- sign 563.124+/-0.091 χ^2/NDF: 2148404.4/33

asym_us_dd_mean vs Slug



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

Left Out: 546.832+/-258.020 χ^2/NDF:26.9/16

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

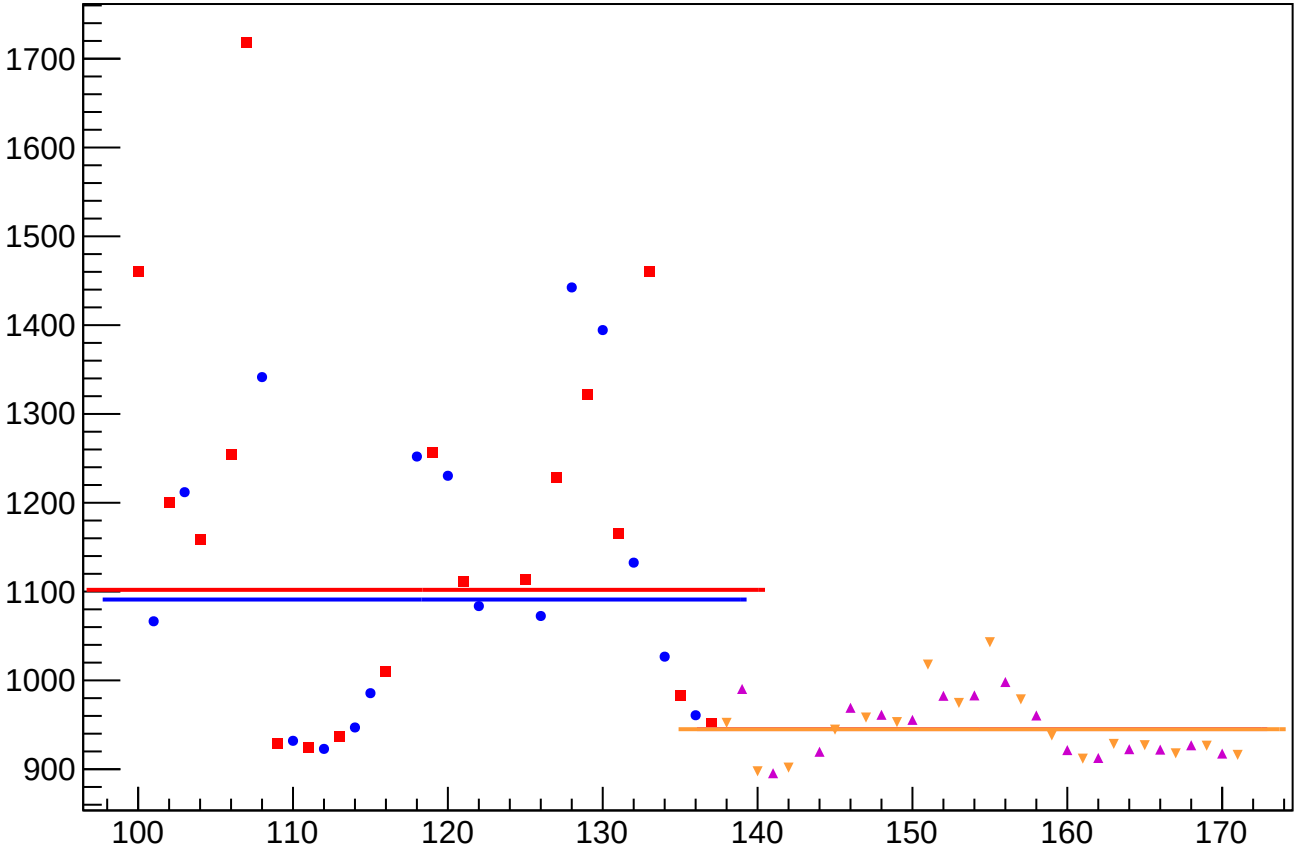
Left In: 265.116+/-260.140 χ^2/NDF:11.8/15

+ sign 365.773+/-218.369 χ^2/NDF: 43.2/32

All: 358.058+/-154.947 χ^2/NDF: 61.9/66

- sign 350.236+/-219.896 χ^2/NDF: 18.7/33

asym_us_dd_rms vs Slug



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

Left Out: 945.035+/-0.182 χ^2/NDF:40885.9/16

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

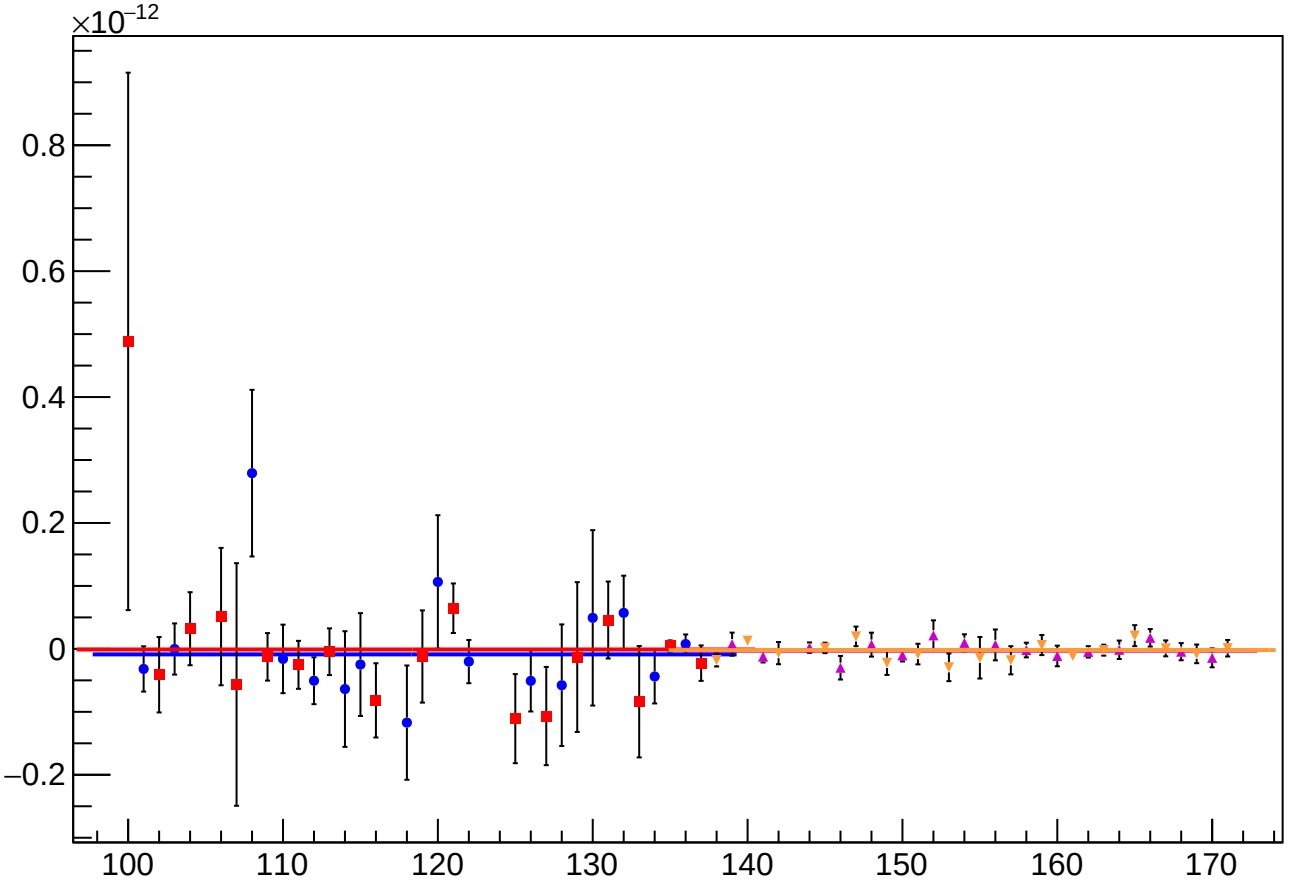
Left In: 945.202+/-0.184 χ^2/NDF:29090.4/15

+ sign 986.461+/-0.154 χ^2/NDF: 499897.8/32

All: 988.193+/-0.110 χ^2/NDF: 1064648.0/66

- sign 989.949+/-0.155 χ^2/NDF: 564496.8/33

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/16

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

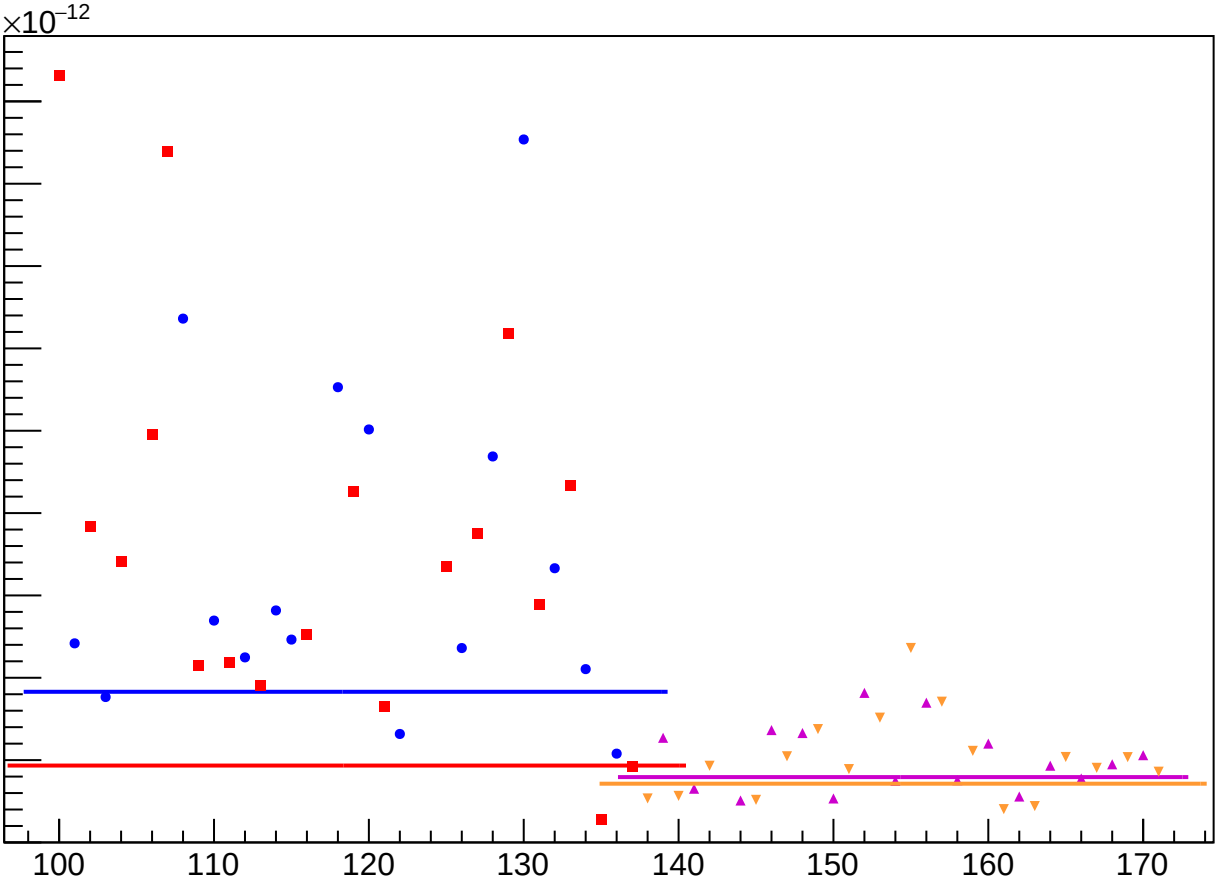
Left In: -0.000+/-0.000 χ^2/NDF:9.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/32

All: -0.000+/-0.000 χ^2/NDF: 54.0/66

- sign -0.000+/-0.000 χ^2/NDF: 24.1/33

asym_us_dd_reg_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:2684695.9/16

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

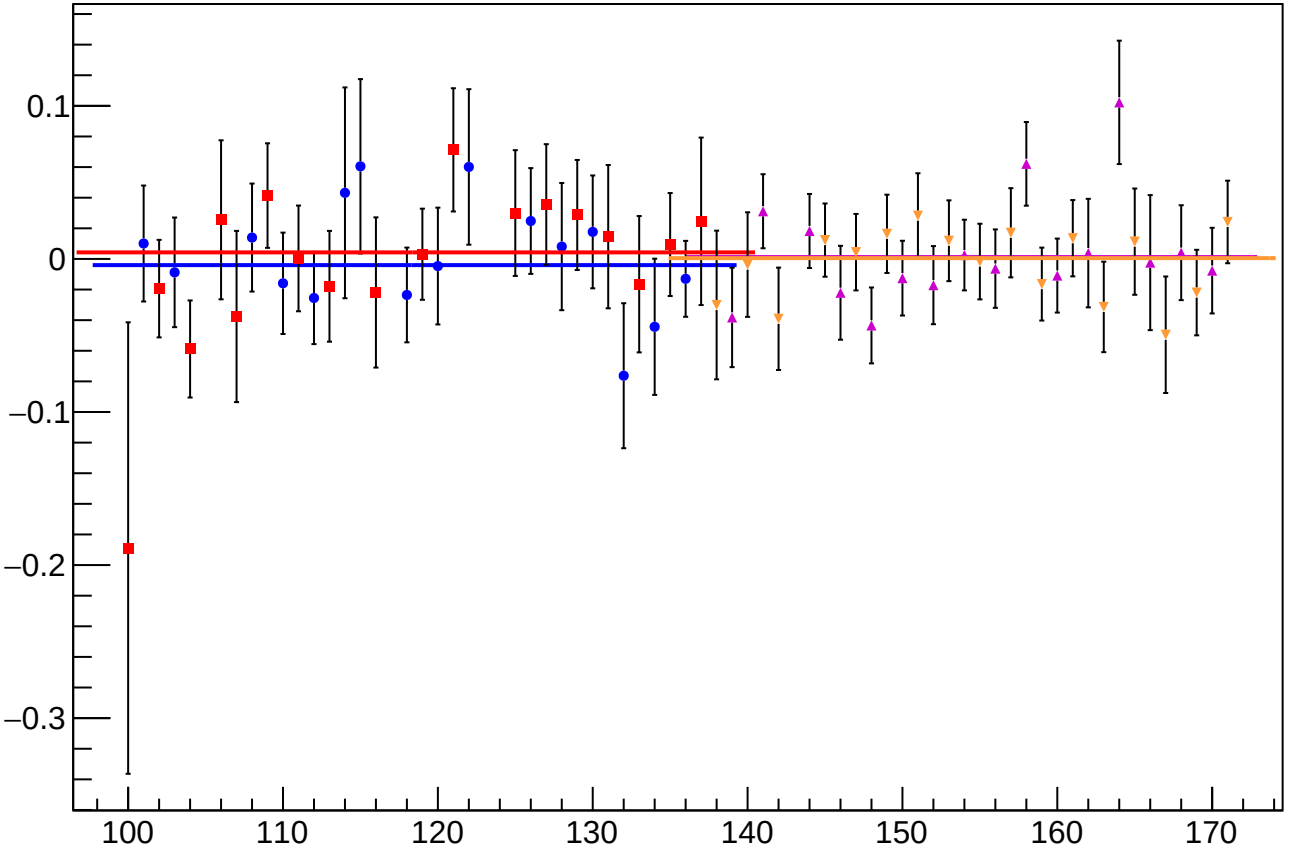
Left In: 0.000+/-0.000 χ^2/NDF:1917797.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 7121711.3/32

All: 0.000+/-0.000 χ^2/NDF: 14245328.9/66

- sign 0.000+/-0.000 χ^2/NDF: 7120220.9/33

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

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

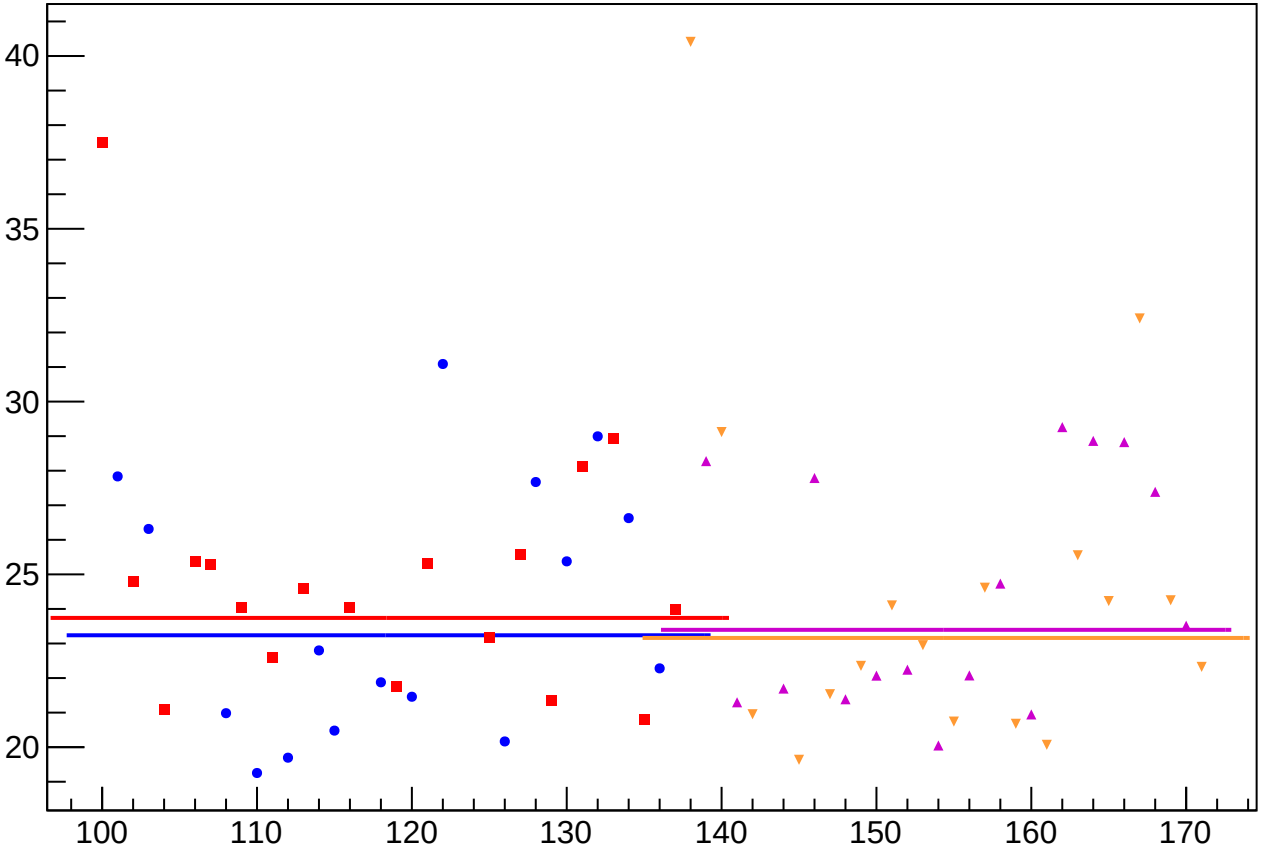
Left In: 0.001+/-0.007 χ^2/NDF:19.9/15

+ sign -0.001+/-0.006 χ^2/NDF: 18.5/32

All: 0.001+/-0.004 χ^2/NDF: 52.2/66

- sign 0.002+/-0.006 χ^2/NDF: 33.4/33

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

Left Out: 23.161+/-0.005 χ^2/NDF:592938.6/16

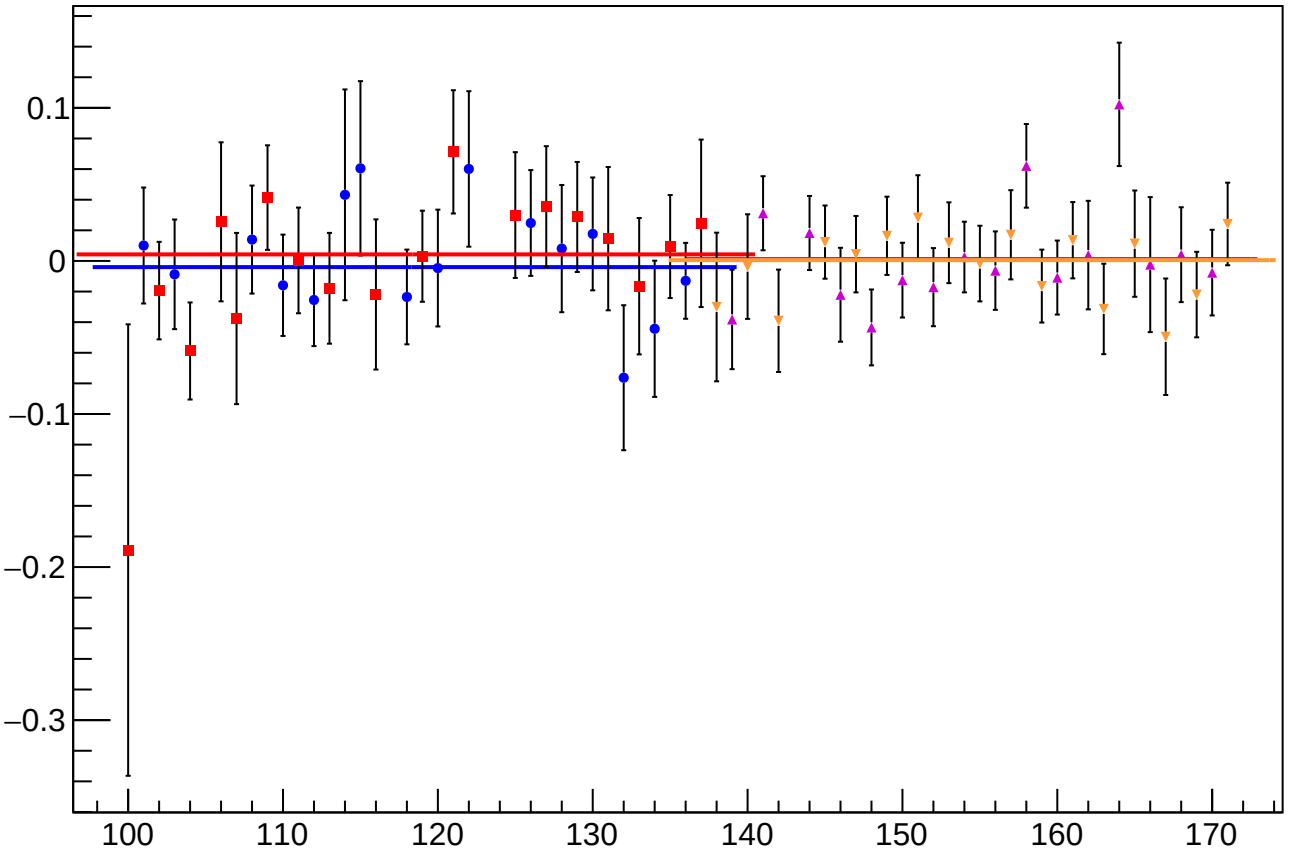
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.396+/-0.005 χ^2/NDF:362013.8/15

+ sign 23.188+/-0.004 χ^2/NDF: 852263.9/32

All: 23.352+/-0.003 χ^2/NDF: 1345786.9/66

- sign 23.518+/-0.004 χ^2/NDF: 489964.8/33



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

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

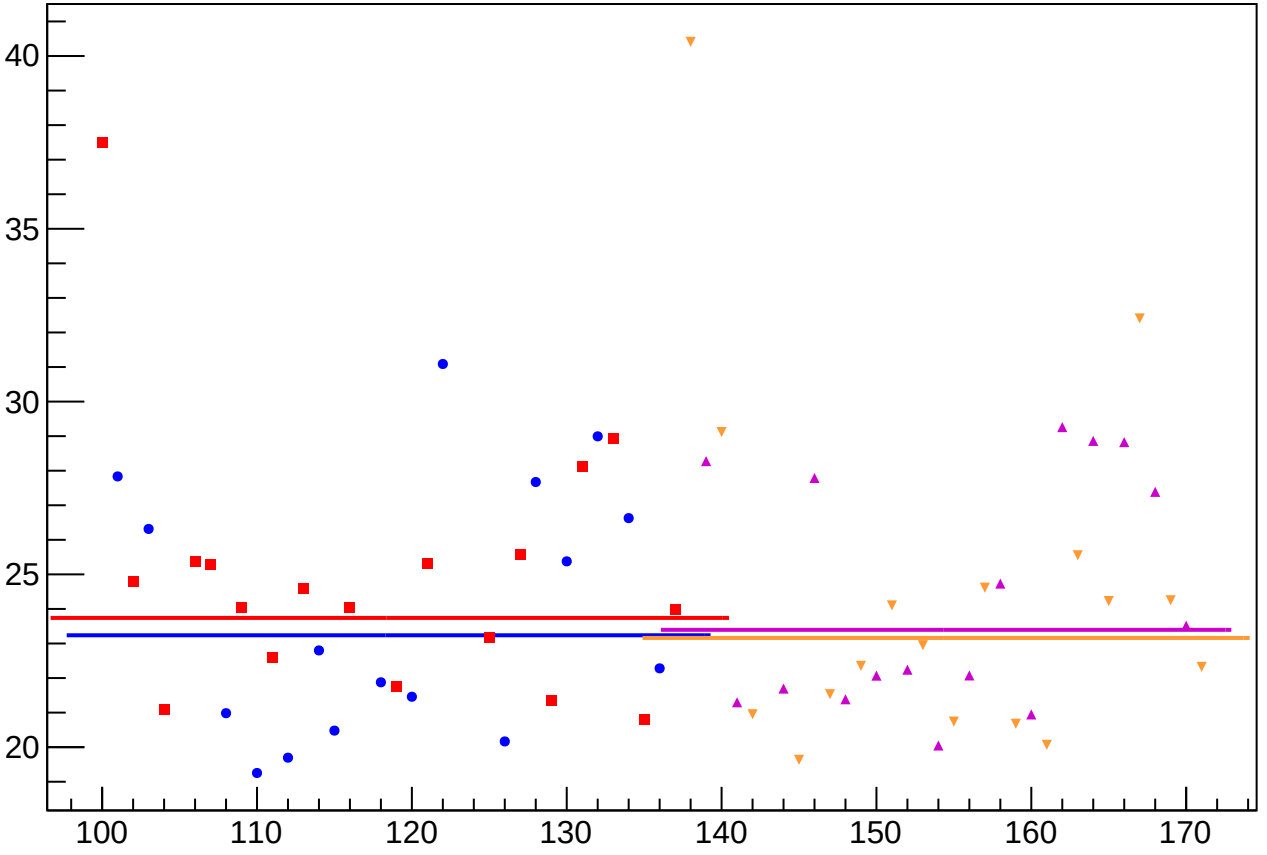
Left In: 0.001+/-0.007 χ^2/NDF:19.9/15

+ sign -0.001+/-0.006 χ^2/NDF: 18.5/32

All: 0.001+/-0.004 χ^2/NDF: 52.2/66

- sign 0.002+/-0.006 χ^2/NDF: 33.4/33

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 23.161+/-0.005 χ^2/NDF:592938.6/16

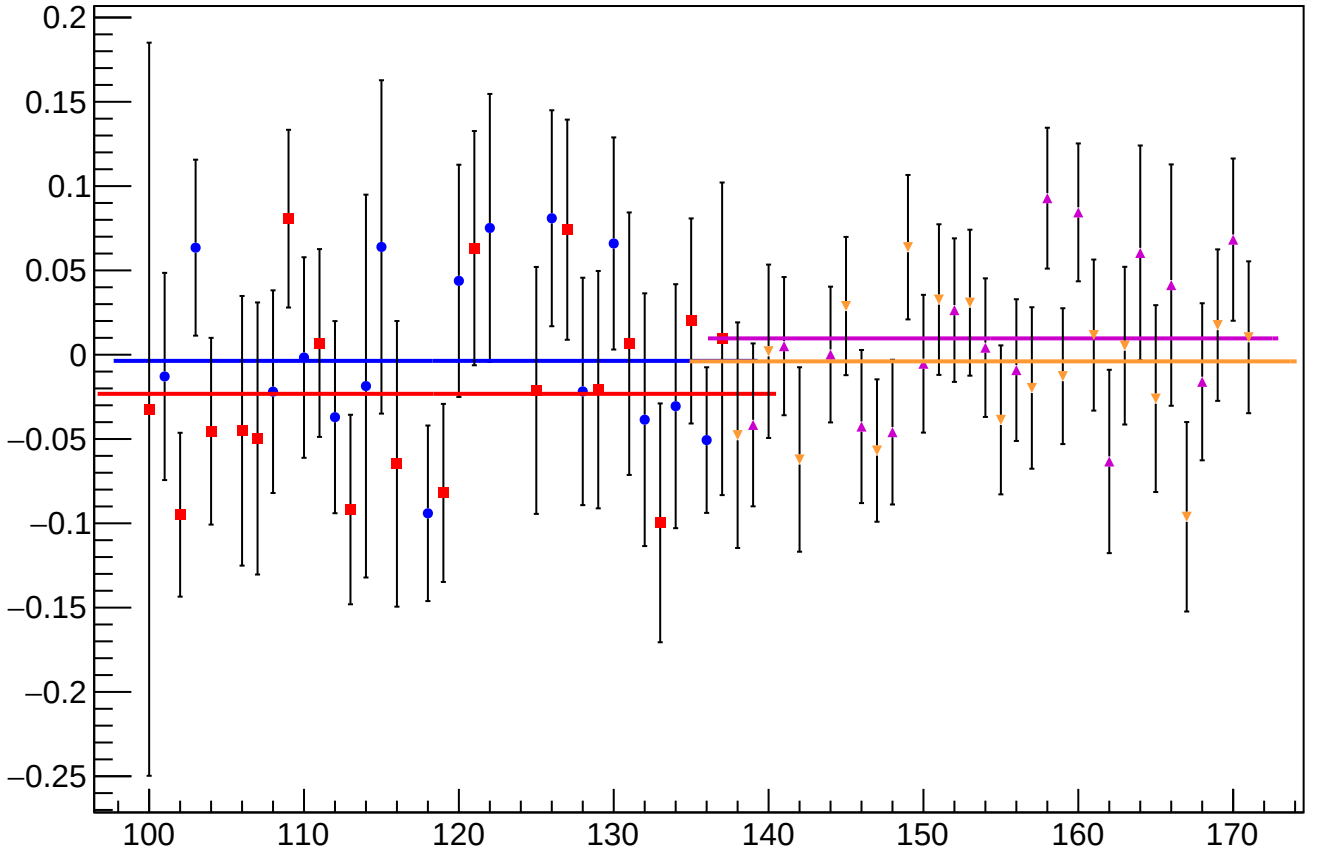
Right Out: 23.740+/-0.007 χ^2/NDF: 126183.6/17

Left In: 23.396+/-0.005 χ^2/NDF:362013.8/15

+ sign 23.188+/-0.004 χ^2/NDF: 852263.9/32

All: 23.352+/-0.003 χ^2/NDF: 1345786.9/66

- sign 23.518+/-0.004 χ^2/NDF: 489964.8/33



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

Left Out: -0.004+/-0.011 χ^2/NDF:11.7/16

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

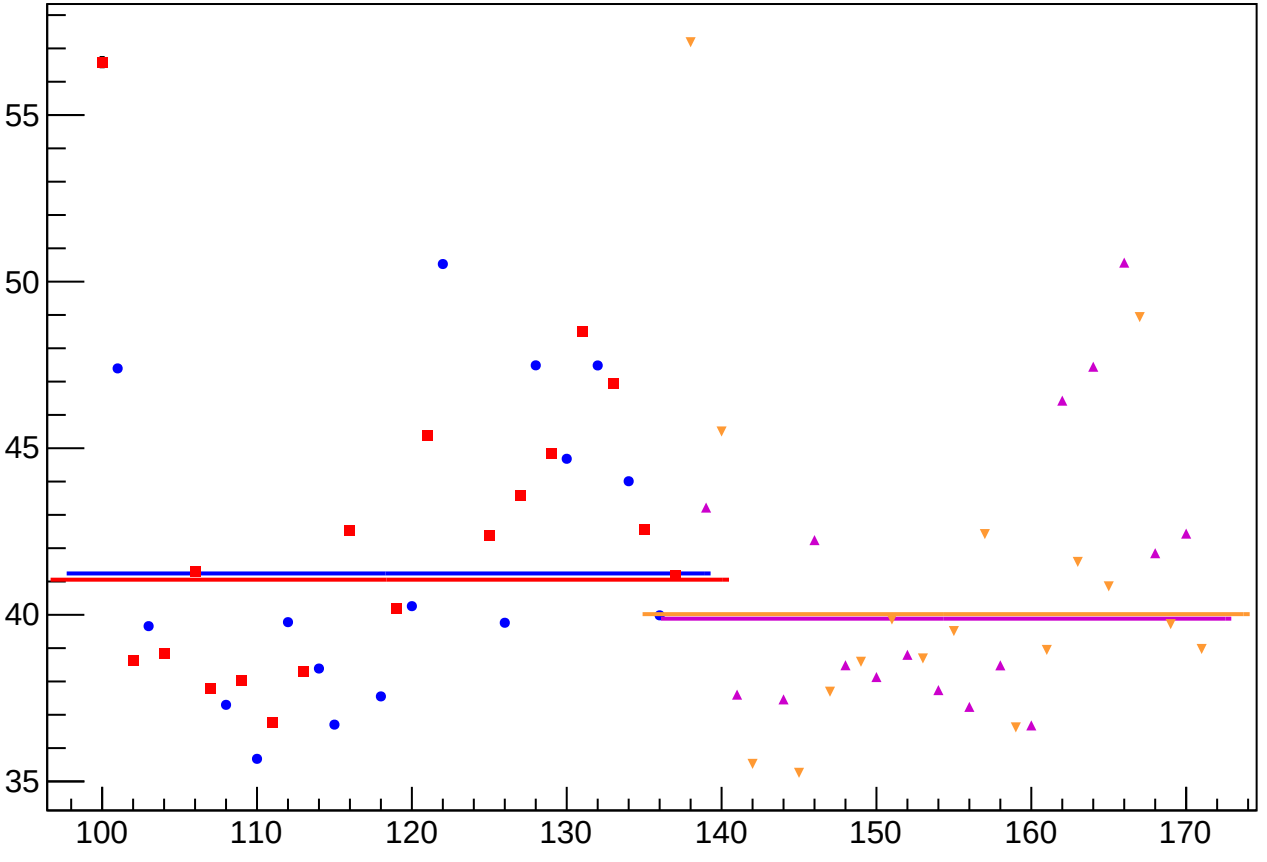
Left In: 0.010+/-0.011 χ^2/NDF:16.4/15

+ sign -0.004+/-0.009 χ^2/NDF: 23.4/32

All: -0.003+/-0.006 χ^2/NDF: 58.1/66

- sign -0.002+/-0.009 χ^2/NDF: 34.8/33

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: 40.020+/-0.008 χ^2/NDF:279970.5/16

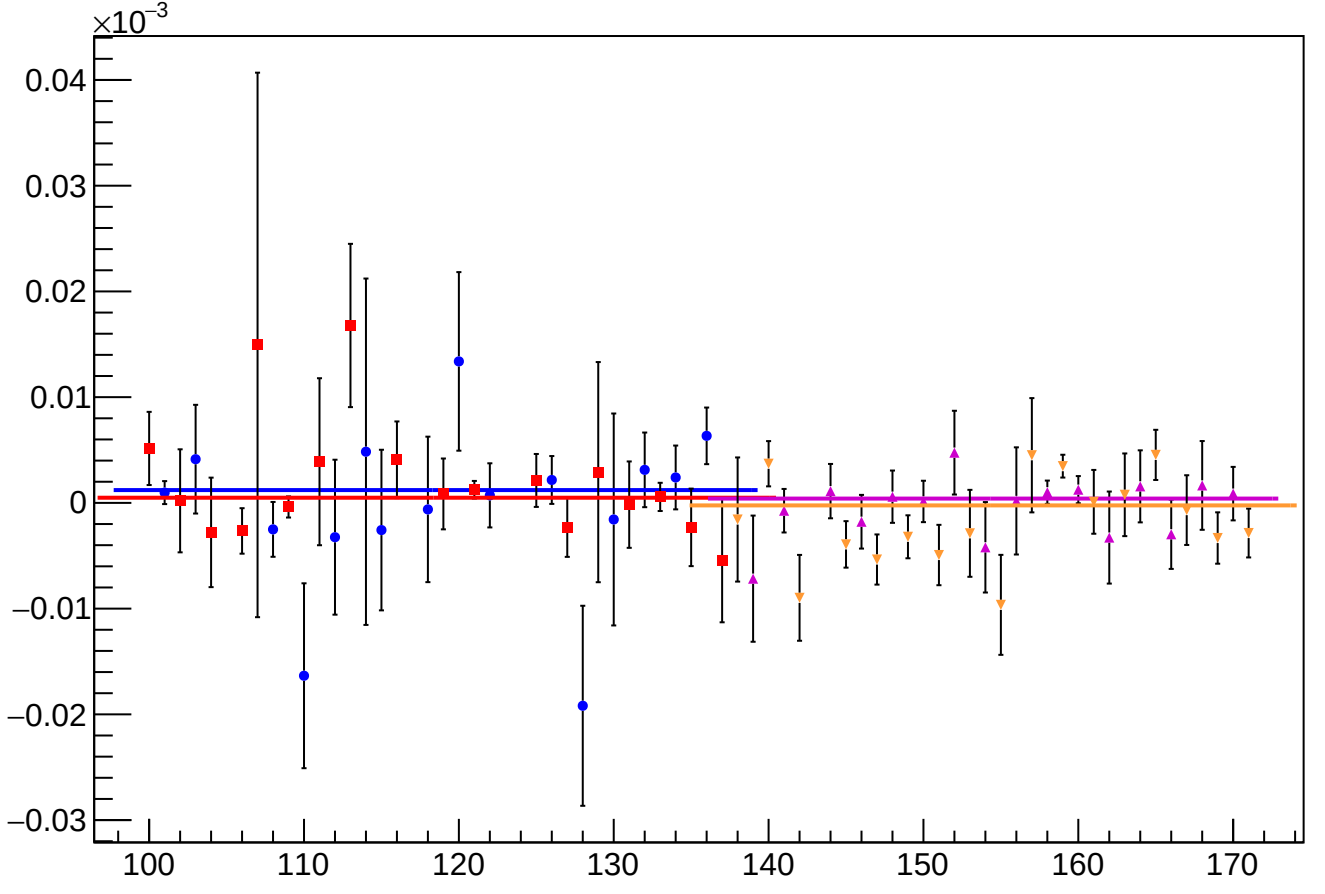
Right Out: 41.055+/-0.011 χ^2/NDF: 96560.6/17

Left In: 39.885+/-0.008 χ^2/NDF:174266.3/15

+ sign 40.436+/-0.006 χ^2/NDF: 423193.9/32

All: 40.363+/-0.005 χ^2/NDF: 701710.0/66

- sign 40.291+/-0.006 χ^2/NDF: 278263.5/33



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

Left Out: -0.000+/-0.000 χ^2/NDF:44.4/16

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

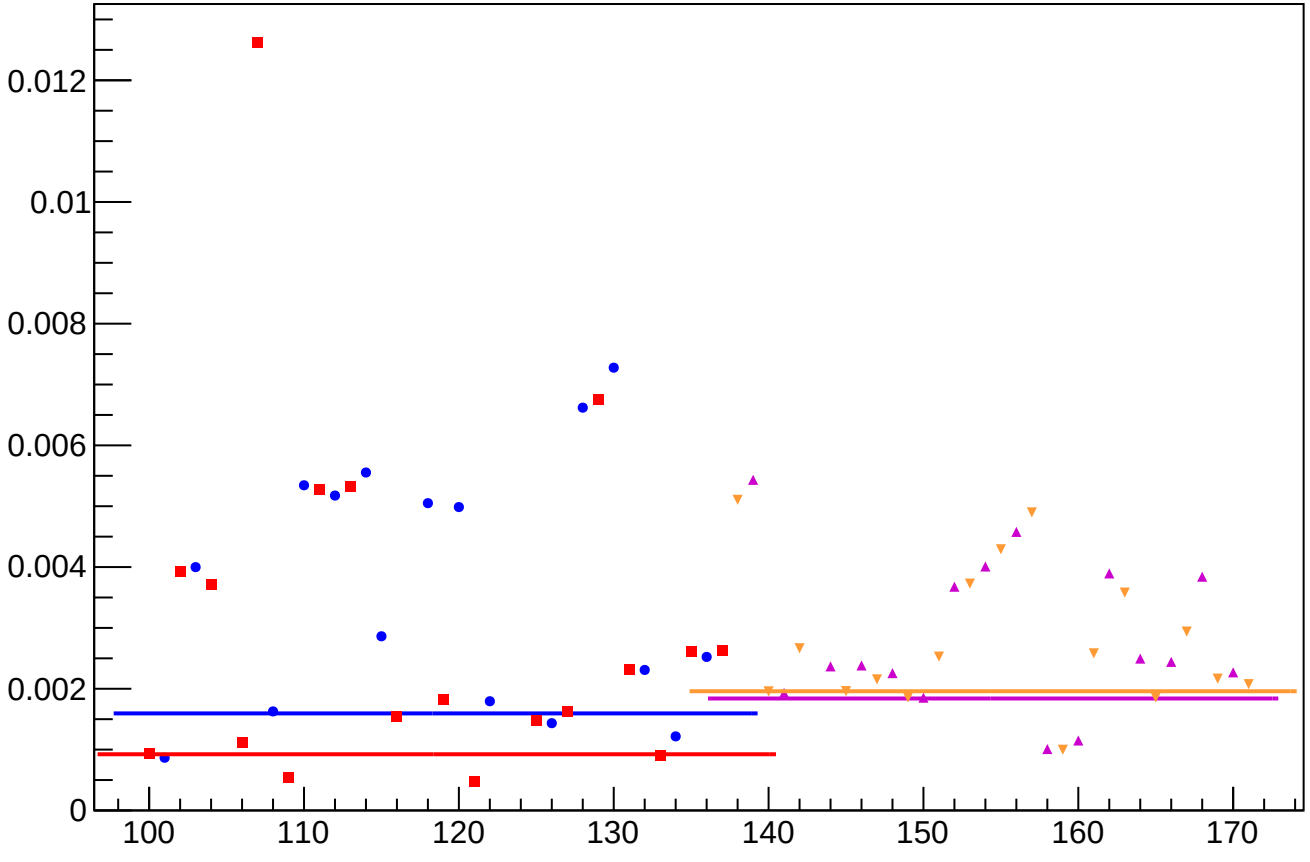
Left In: 0.000+/-0.000 χ^2/NDF:7.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/32

All: 0.000+/-0.000 χ^2/NDF: 88.0/66

- sign 0.000+/-0.000 χ^2/NDF: 22.9/33

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:4400370.5/16

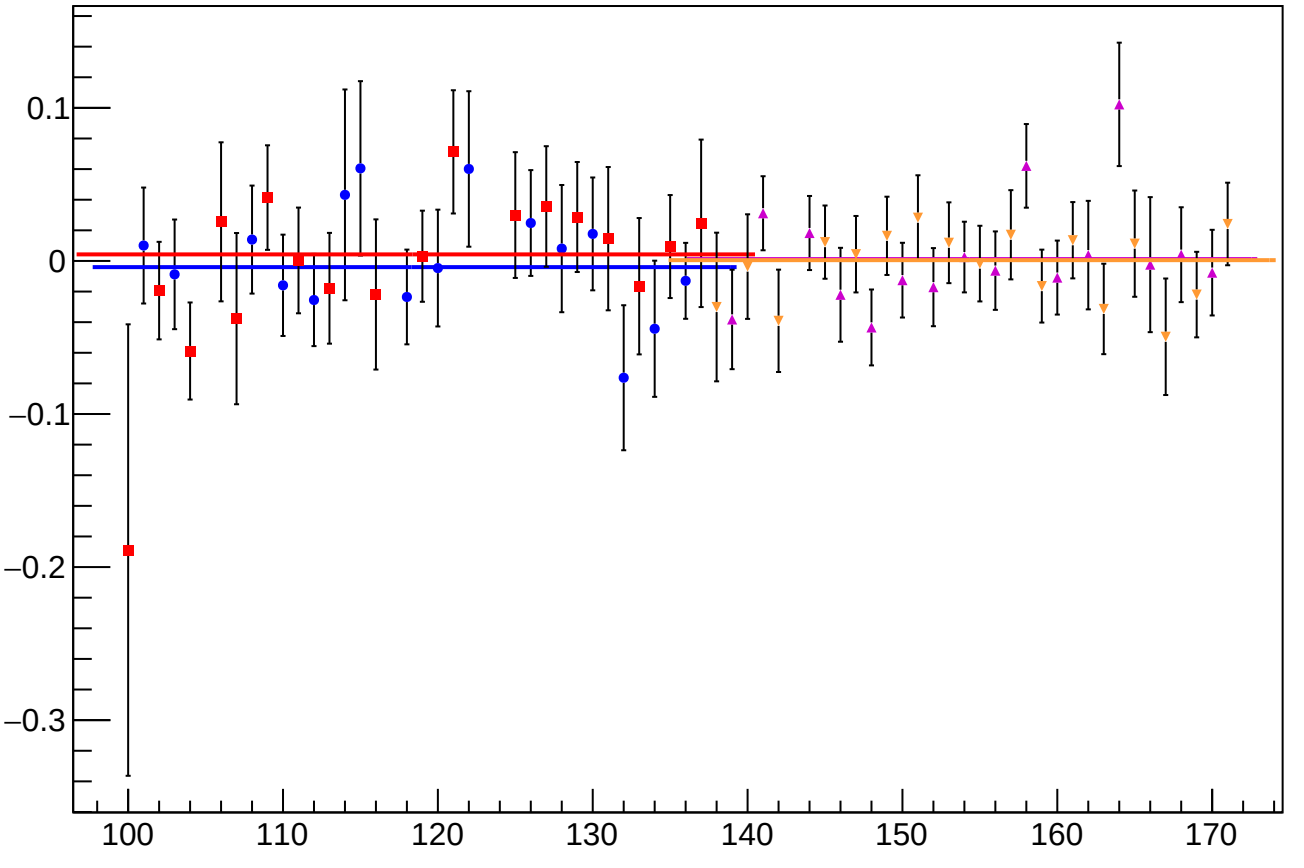
Right Out: 0.001+/-0.000 χ^2/NDF: 5780451.3/17

Left In: 0.002+/-0.000 χ^2/NDF:5305741.4/15

+ sign 0.002+/-0.000 χ^2/NDF: 9453070.4/32

All: 0.002+/-0.000 χ^2/NDF: 24868240.8/66

- sign 0.001+/-0.000 χ^2/NDF: 13993771.8/33



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

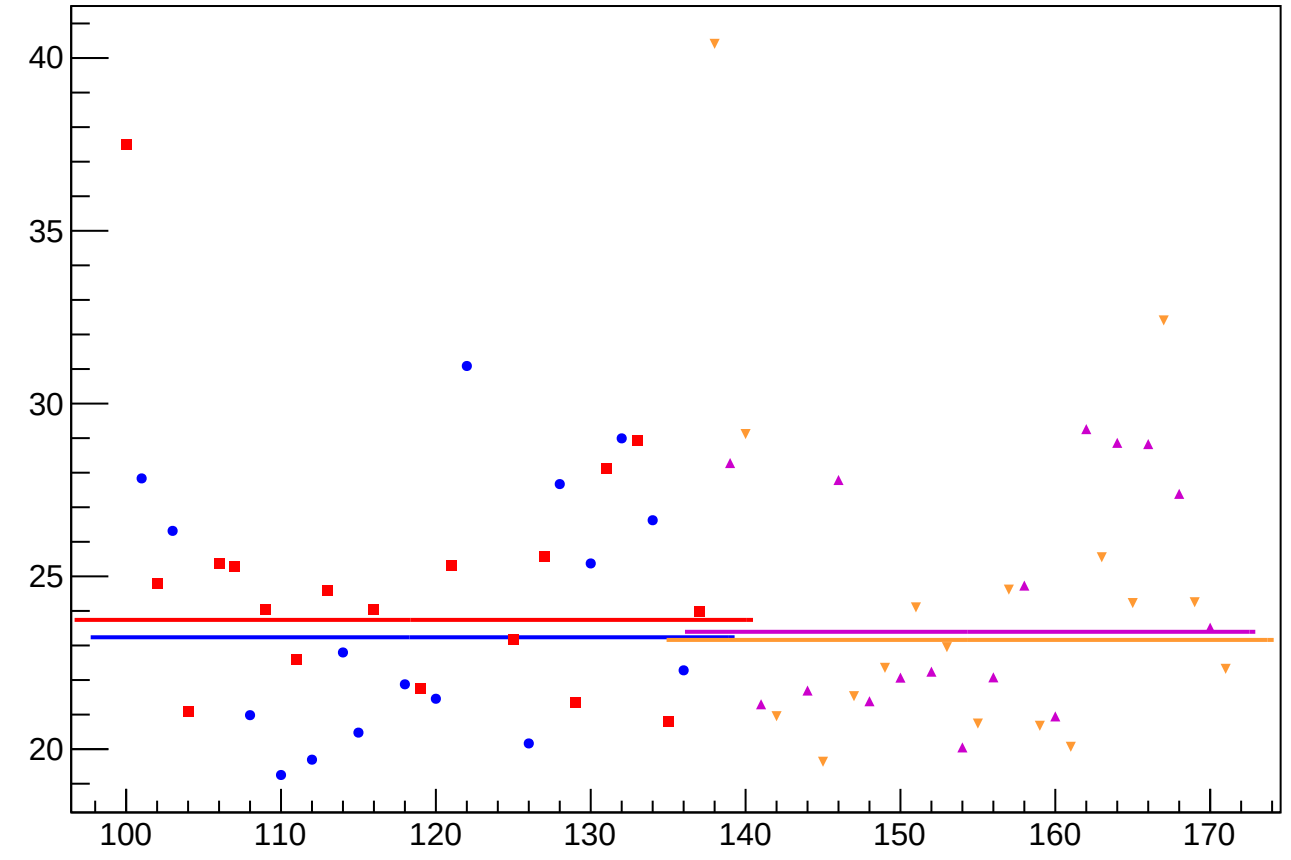
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.001+/-0.007 χ^2/NDF:19.9/15

+ sign -0.001+/-0.006 χ^2/NDF: 18.5/32

All: 0.001+/-0.004 χ^2/NDF: 52.2/66

- sign 0.002+/-0.006 χ^2/NDF: 33.4/33



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

Left Out: 23.161+/-0.005 χ^2/NDF:592959.5/16

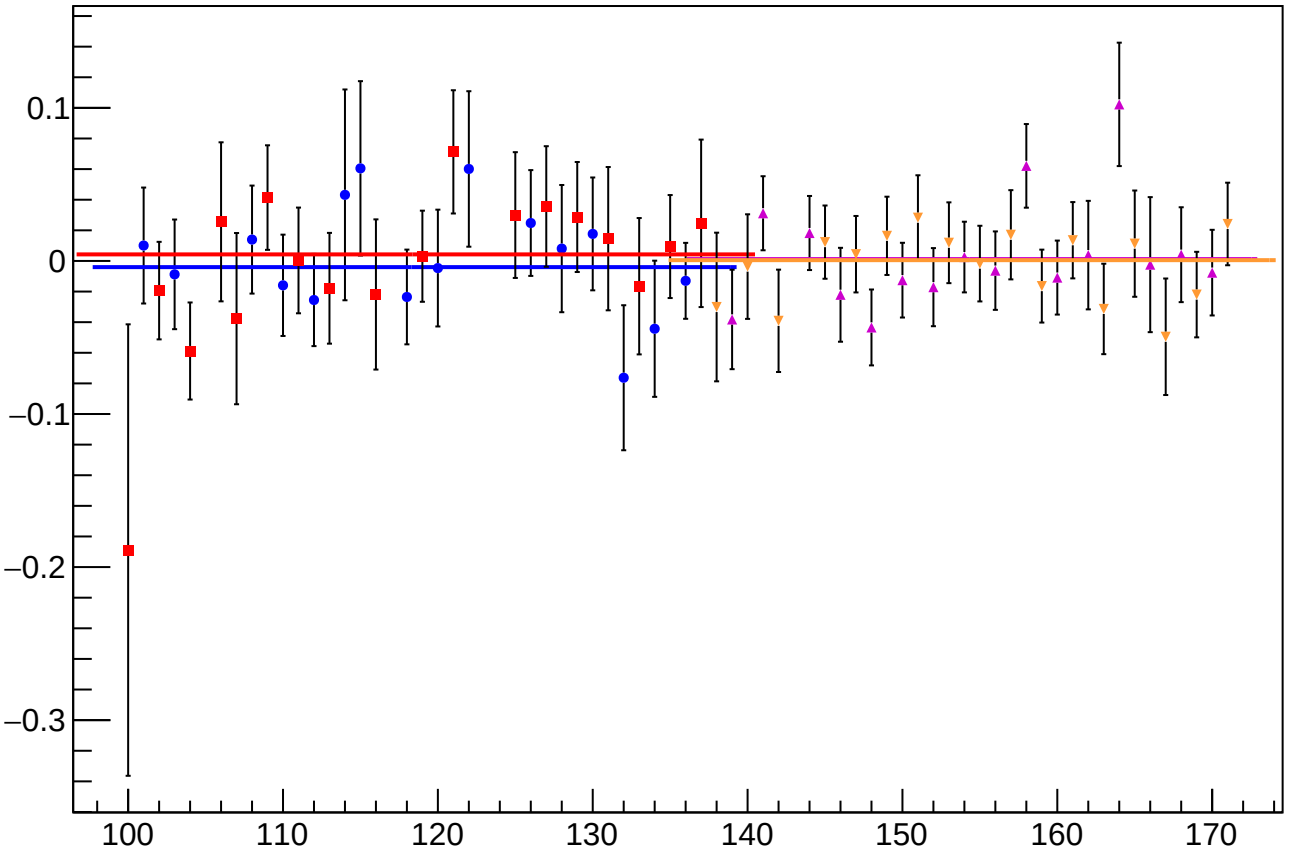
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.396+/-0.005 χ^2/NDF:361965.2/15

+ sign 23.188+/-0.004 χ^2/NDF: 852271.8/32

All: 23.352+/-0.003 χ^2/NDF: 1345704.6/66

- sign 23.518+/-0.004 χ^2/NDF: 489864.8/33



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

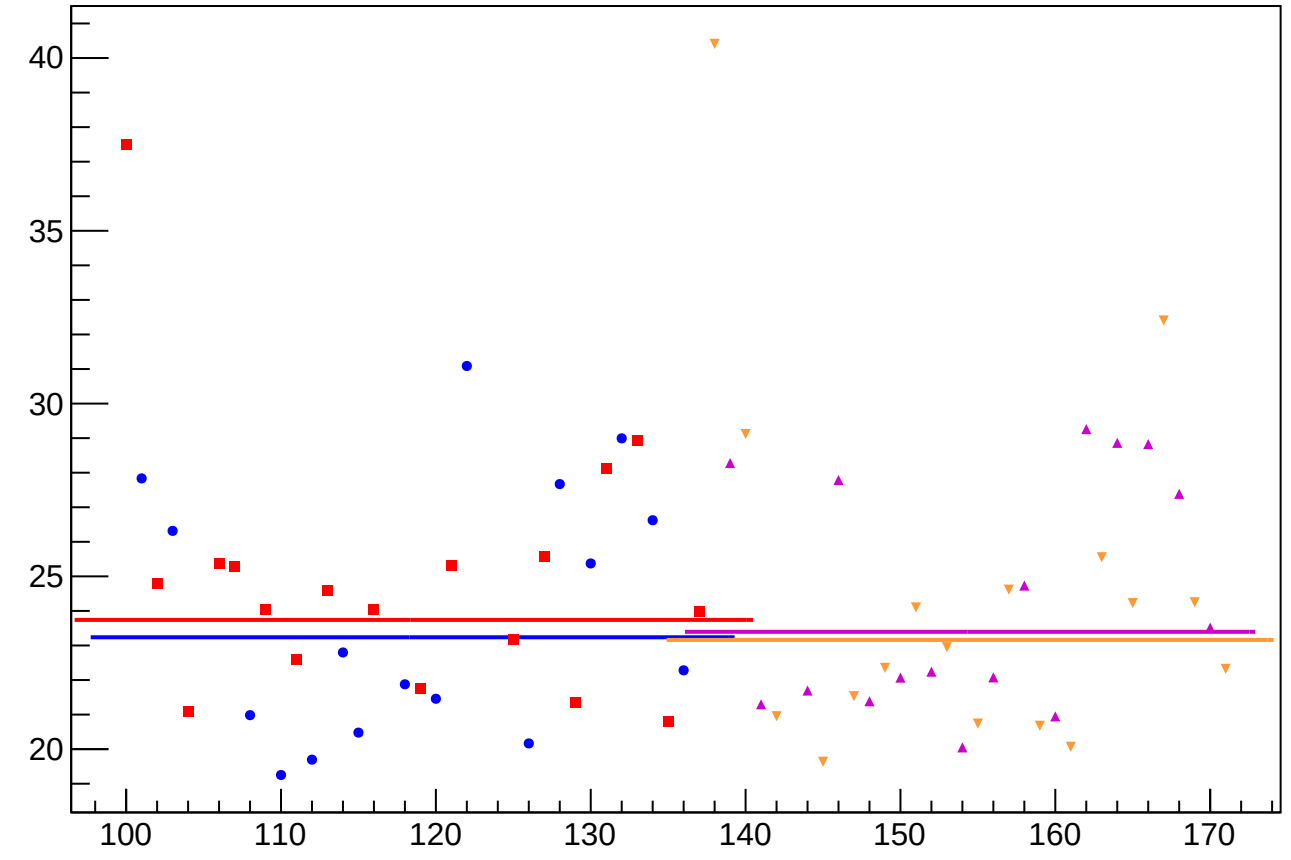
Right Out: 0.004+/-0.009 χ^2/NDF: 13.5/17

Left In: 0.001+/-0.007 χ^2/NDF:19.9/15

+ sign -0.001+/-0.006 χ^2/NDF: 18.5/32

All: 0.001+/-0.004 χ^2/NDF: 52.2/66

- sign 0.002+/-0.006 χ^2/NDF: 33.4/33



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

Left Out: 23.161+/-0.005 χ^2/NDF:592959.5/16

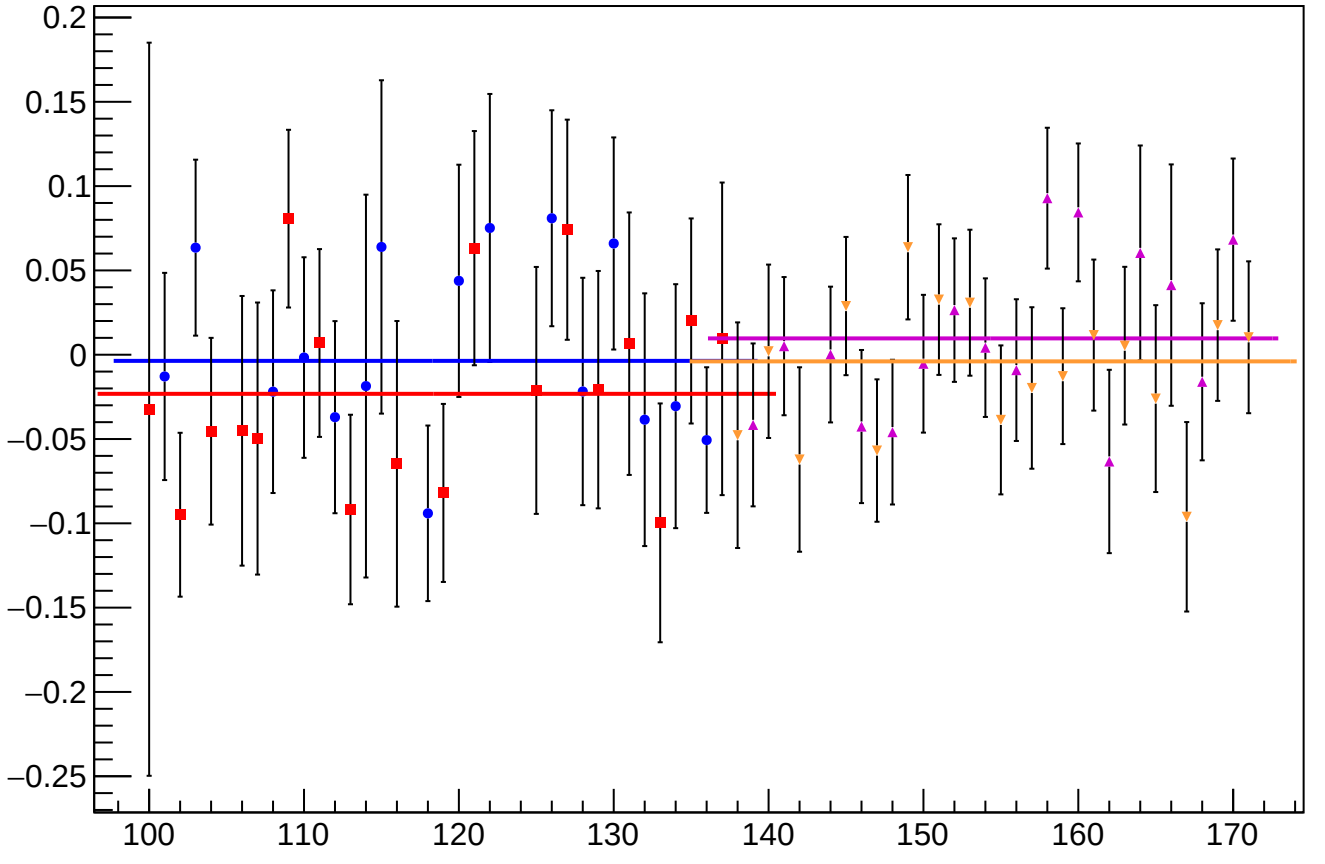
Right Out: 23.741+/-0.007 χ^2/NDF: 126132.7/17

Left In: 23.396+/-0.005 χ^2/NDF:361965.2/15

+ sign 23.188+/-0.004 χ^2/NDF: 852271.8/32

All: 23.352+/-0.003 χ^2/NDF: 1345704.6/66

- sign 23.518+/-0.004 χ^2/NDF: 489864.8/33



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

Left Out: -0.004+/-0.011 χ^2/NDF:11.7/16

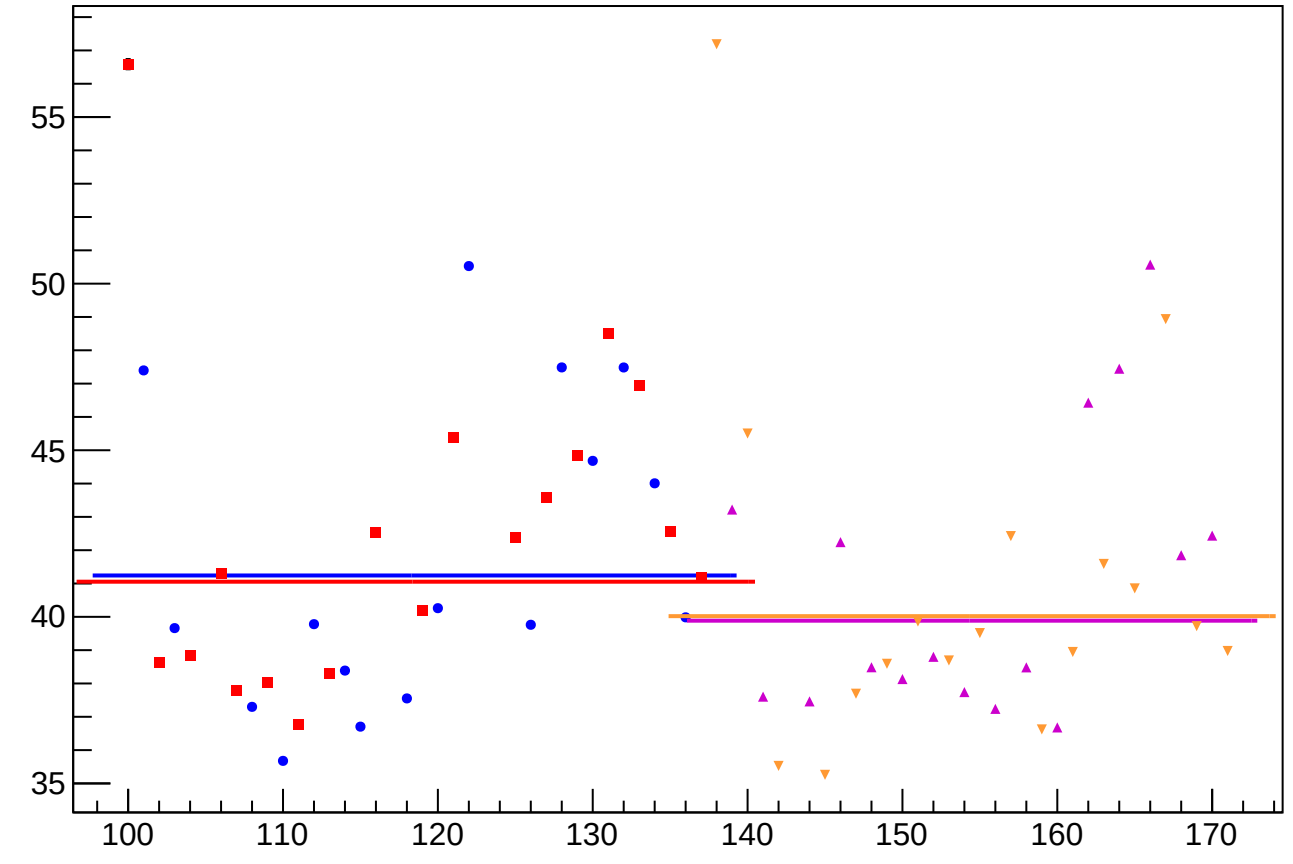
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/17

Left In: 0.010+/-0.011 χ^2/NDF:16.4/15

+ sign -0.004+/-0.009 χ^2/NDF: 23.4/32

All: -0.003+/-0.006 χ^2/NDF: 58.2/66

- sign -0.002+/-0.009 χ^2/NDF: 34.8/33



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

Left Out: 40.021+/-0.008 χ^2/NDF:279974.2/16

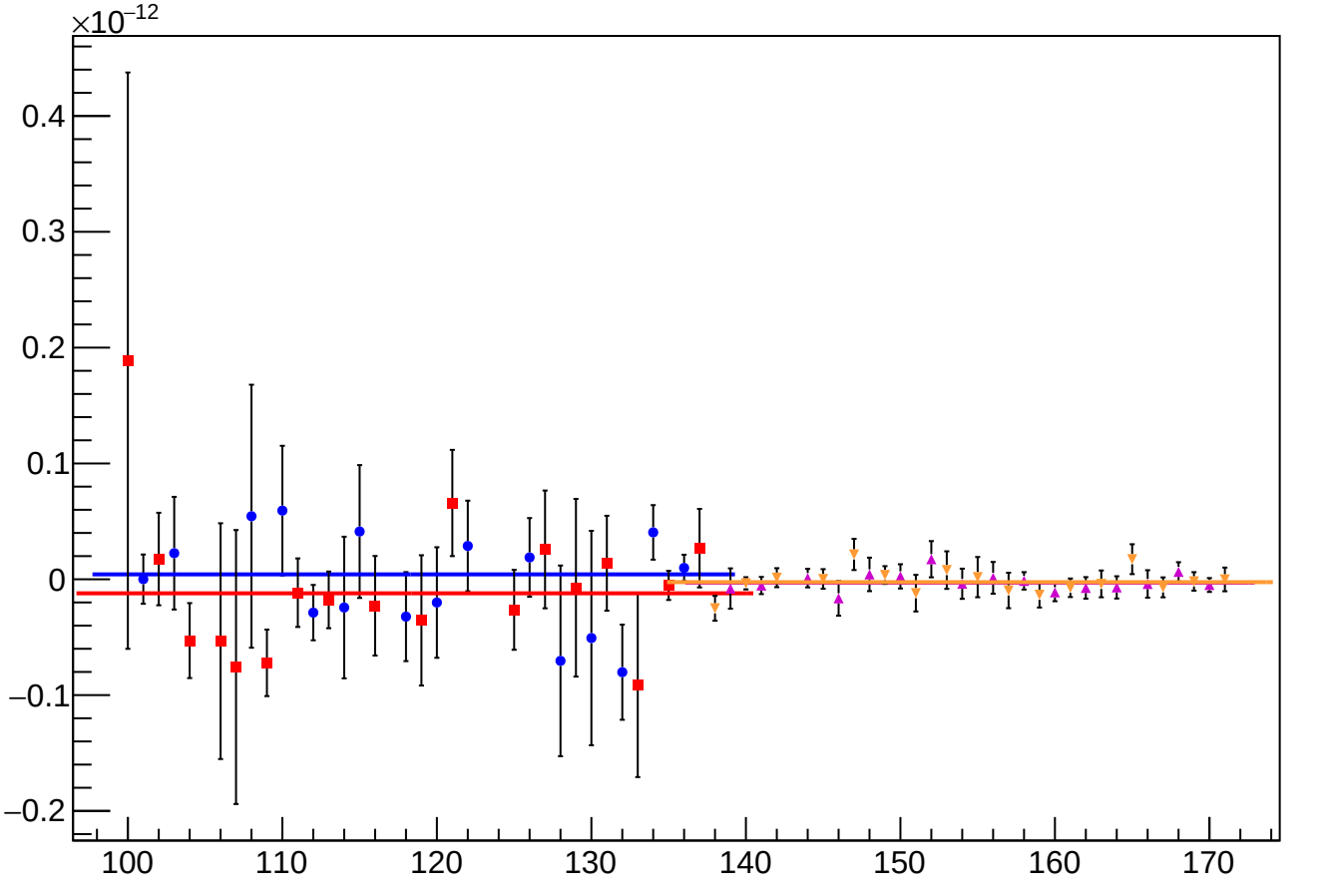
Right Out: 41.055+/-0.011 χ^2/NDF: 96549.4/17

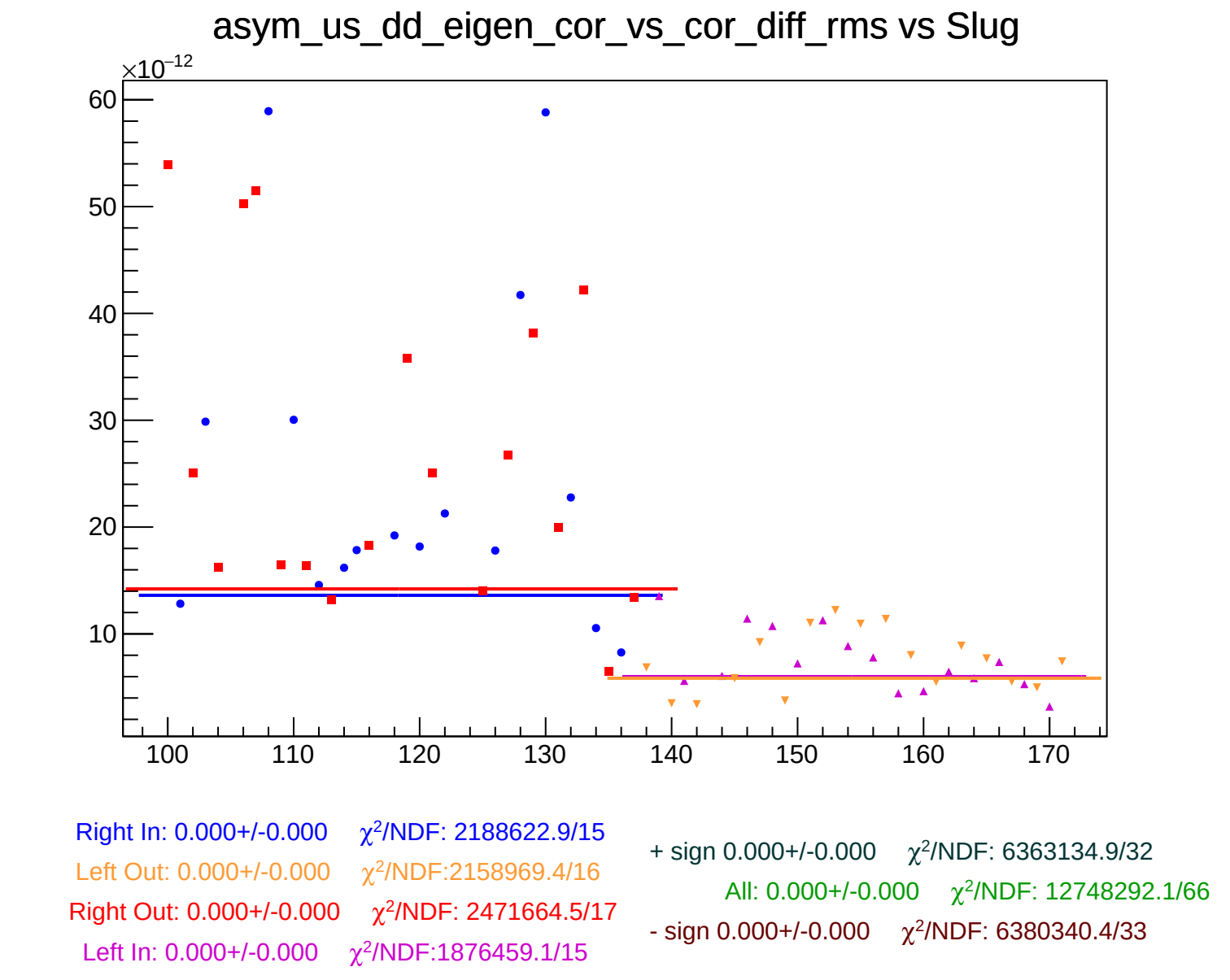
Left In: 39.885+/-0.008 χ^2/NDF:174273.2/15

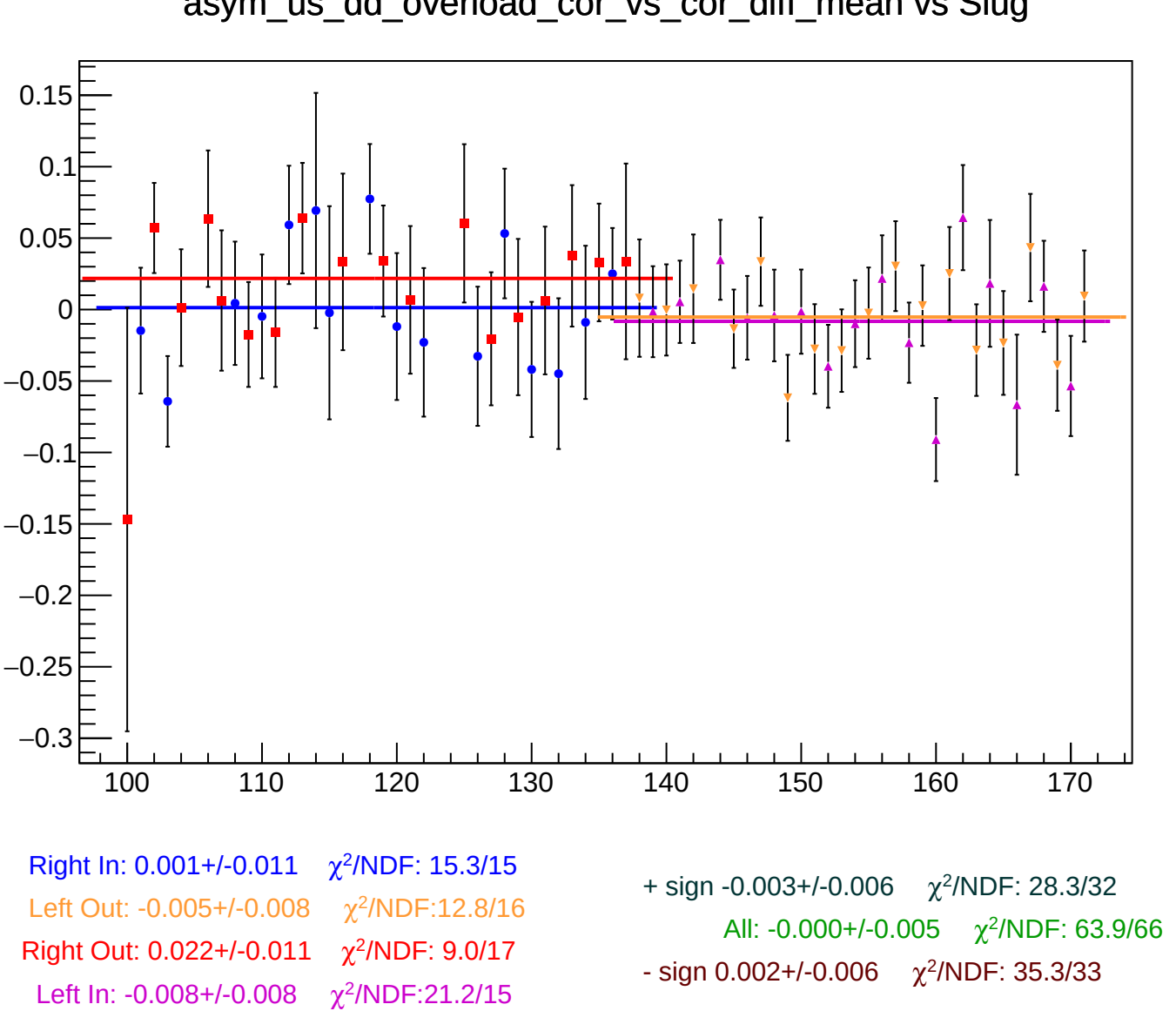
\+ sign 40.436+/-0.006 χ^2/NDF: 423171.3/32

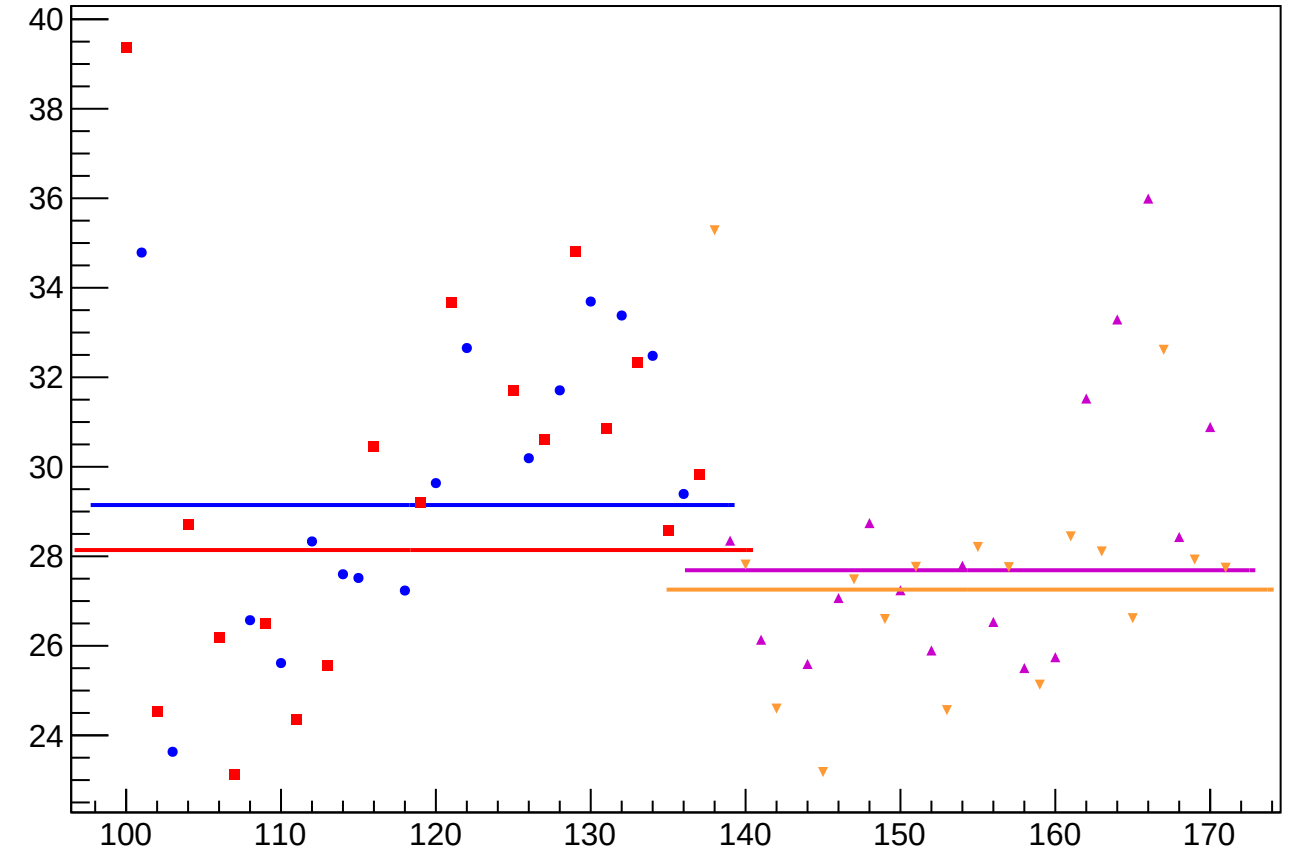
All: 40.363+/-0.005 χ^2/NDF: 701680.7/66

\- sign 40.291+/-0.006 χ^2/NDF: 278257.2/33


asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/16
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/17
Left In: -0.000+/-0.000 χ²/NDF:6.6/15
+ sign -0.000+/-0.000 χ²/NDF: 28.1/32
All: -0.000+/-0.000 χ²/NDF: 50.8/66
- sign -0.000+/-0.000 χ²/NDF: 22.3/33


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2158969.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1876459.1/15
+ sign 0.000+/-0.000 χ²/NDF: 6363134.9/32
All: 0.000+/-0.000 χ²/NDF: 12748292.1/66
- sign 0.000+/-0.000 χ²/NDF: 6380340.4/33


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.005+/-0.008 χ²/NDF:12.8/16
Right Out: 0.022+/-0.011 χ²/NDF: 9.0/17
Left In: -0.008+/-0.008 χ²/NDF:21.2/15
+ sign -0.003+/-0.006 χ²/NDF: 28.3/32
All: -0.000+/-0.005 χ²/NDF: 63.9/66
- sign 0.002+/-0.006 χ²/NDF: 35.3/33



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

Left Out: 27.256+/-0.005 χ^2/NDF:210430.1/16

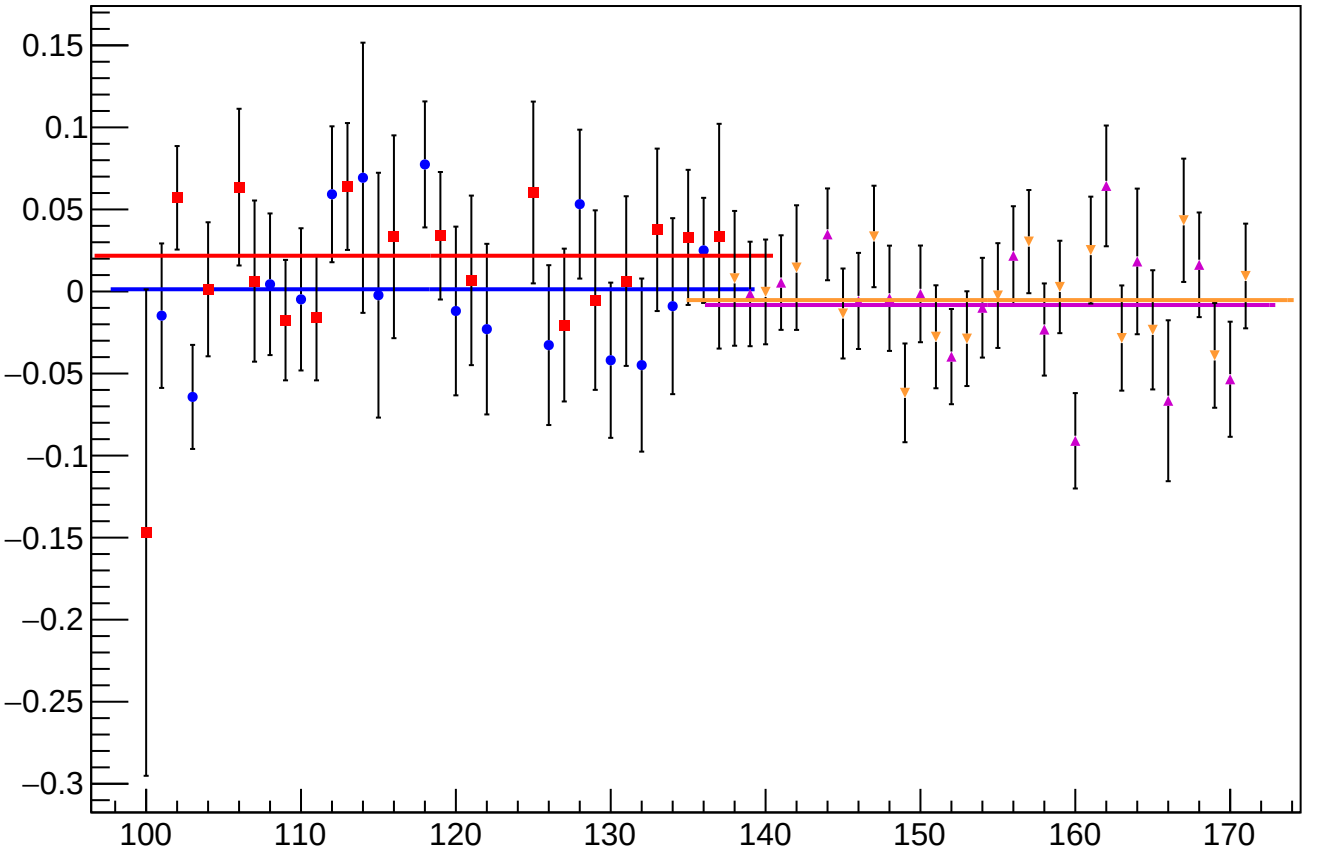
Right Out: 28.140+/-0.008 χ^2/NDF: 187103.8/17

Left In: 27.689+/-0.006 χ^2/NDF:181758.9/15

+ sign 27.869+/-0.005 χ^2/NDF: 425688.9/32

All: 27.858+/-0.003 χ^2/NDF: 796846.1/66

- sign 27.846+/-0.005 χ^2/NDF: 371144.5/33



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

Left Out: -0.005+/-0.008 χ^2/NDF:12.8/16

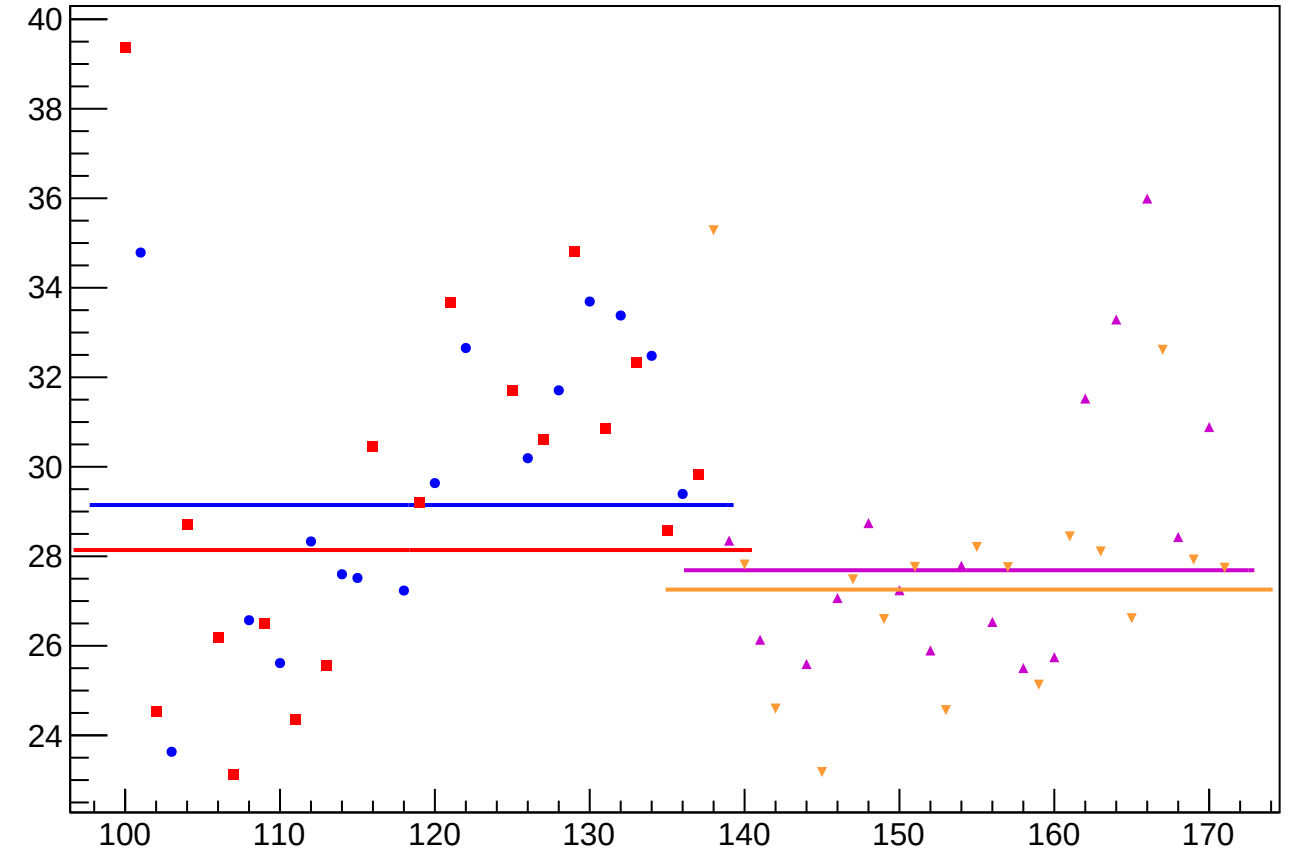
Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/17

Left In: -0.008+/-0.008 χ^2/NDF:21.2/15

+ sign -0.003+/-0.006 χ^2/NDF: 28.3/32

All: -0.000+/-0.005 χ^2/NDF: 63.9/66

- sign 0.002+/-0.006 χ^2/NDF: 35.3/33



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

Left Out: 27.256+/-0.005 χ^2/NDF:210430.1/16

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

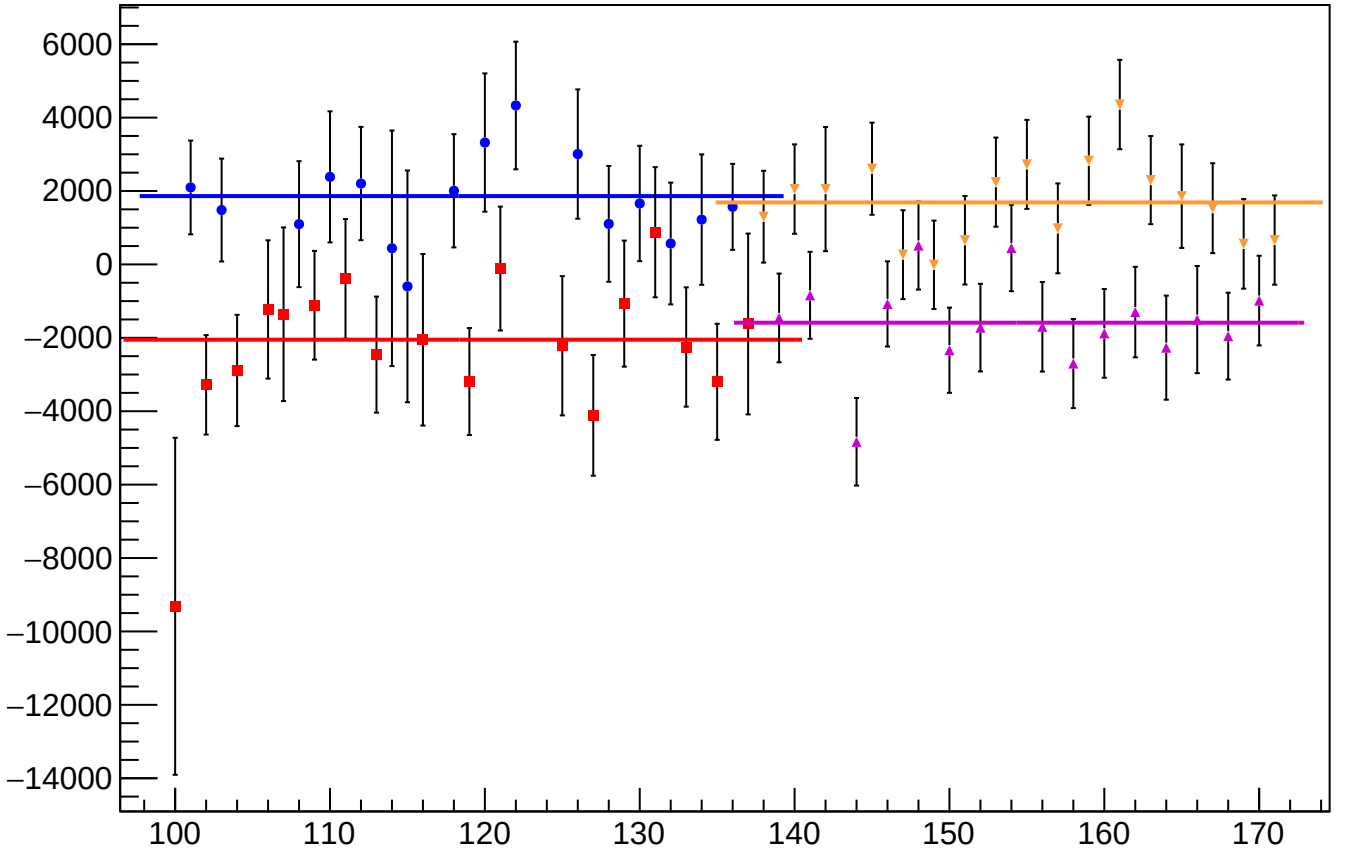
Left In: 27.689+/-0.006 χ^2/NDF:181758.9/15

+ sign 27.869+/-0.005 χ^2/NDF: 425688.9/32

All: 27.858+/-0.003 χ^2/NDF: 796846.1/66

- sign 27.846+/-0.005 χ^2/NDF: 371144.5/33

reg_asym_usl_mean vs Slug



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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

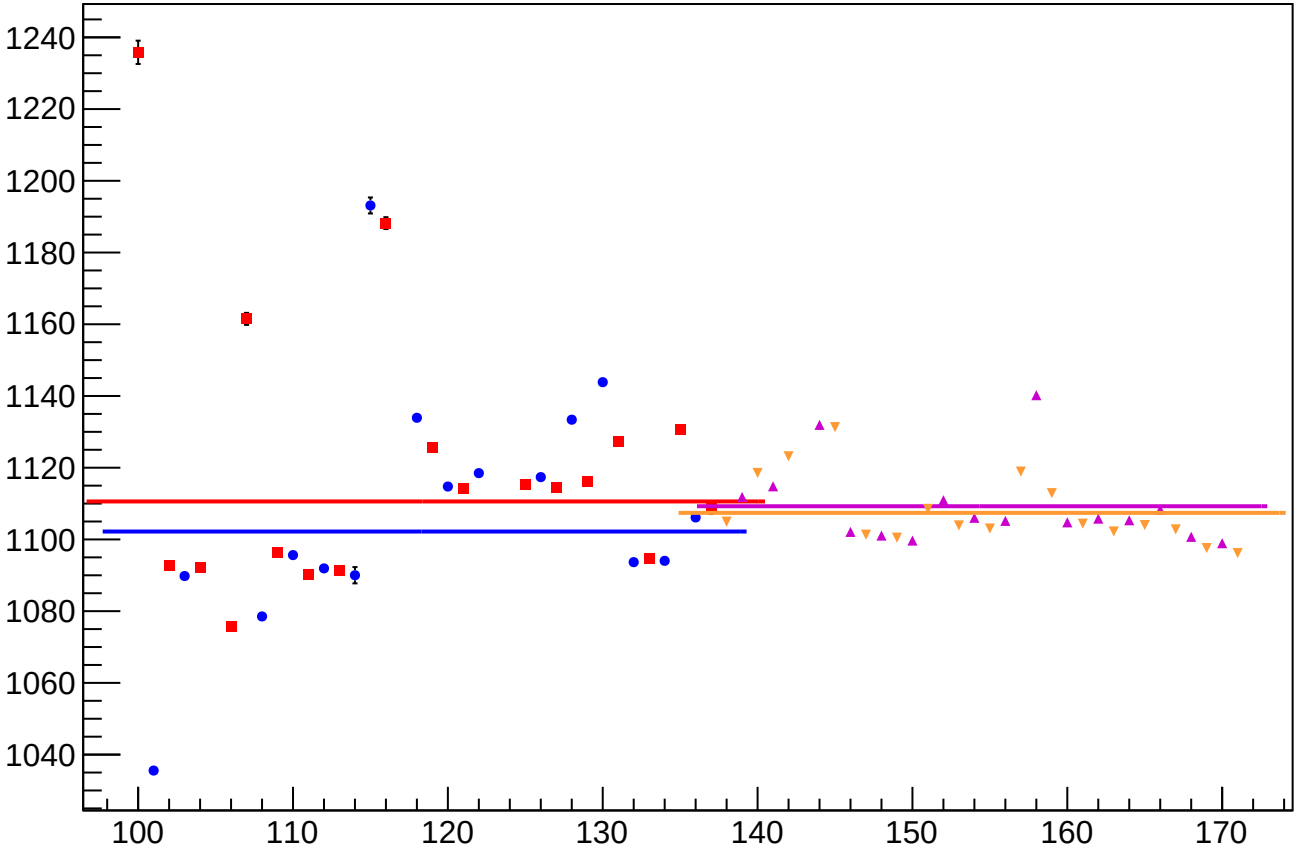
Left In: -1587.918+/-305.079 χ^2/NDF:16.0/15

+ sign 1749.895+/-243.078 χ^2/NDF: 19.1/32

All: 9.204+/-172.416 χ^2/NDF: 151.7/66

- sign -1753.277+/-244.595 χ^2/NDF: 29.4/33

reg_asym_usl_rms vs Slug



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

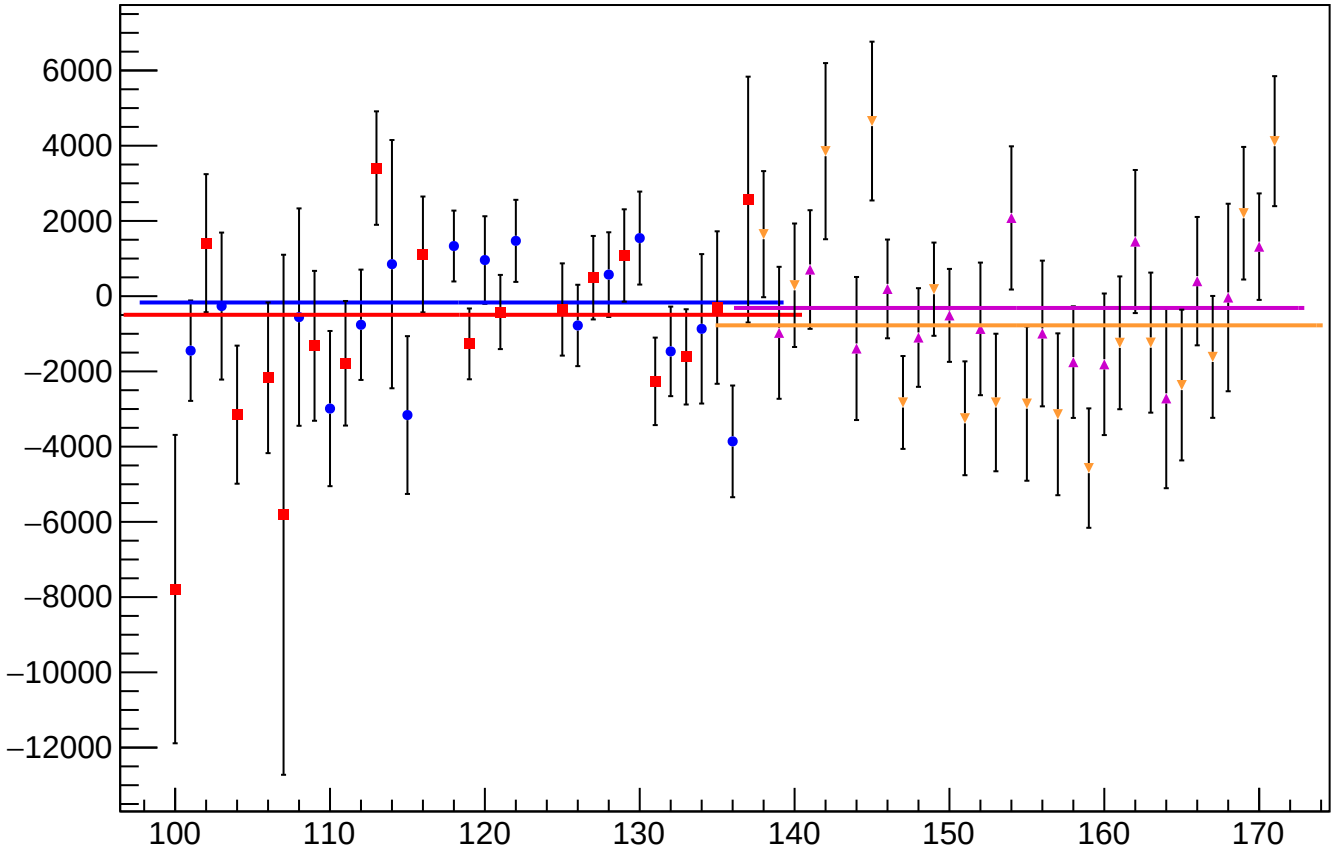
Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

+ sign 1105.577+/-0.172 χ^2/NDF: 13400.9/32

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66

- sign 1109.735+/-0.173 χ^2/NDF: 10439.3/33

asym_usl_reg_correction_mean vs Slug



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

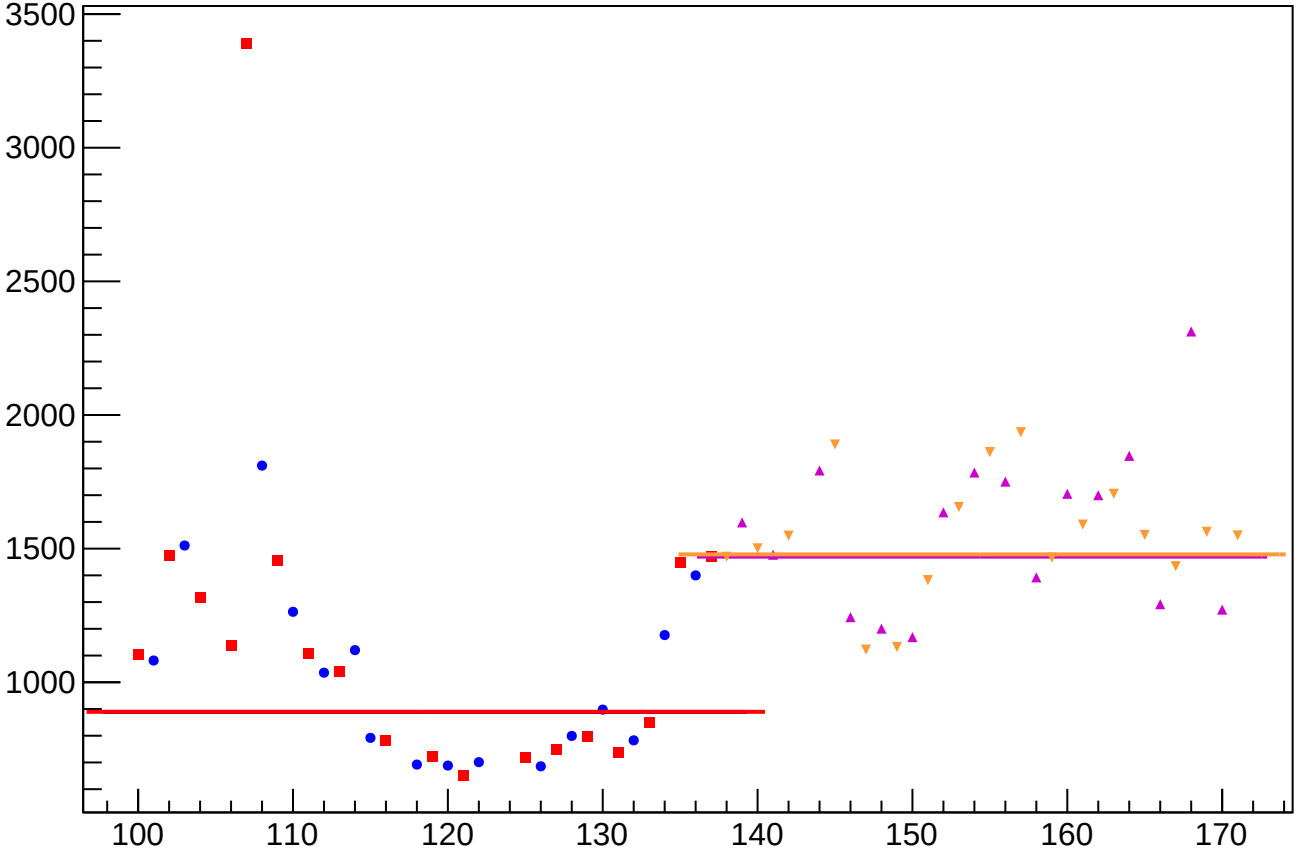
Left In: -313.565+/-412.509 χ^2/NDF:8.2/15

+ sign -419.469+/-264.403 χ^2/NDF: 62.5/32

All: -419.940+/-187.055 χ^2/NDF: 94.1/66

- sign -420.412+/-264.668 χ^2/NDF: 31.6/33

asym_usl_reg_correction_rms vs Slug



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

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

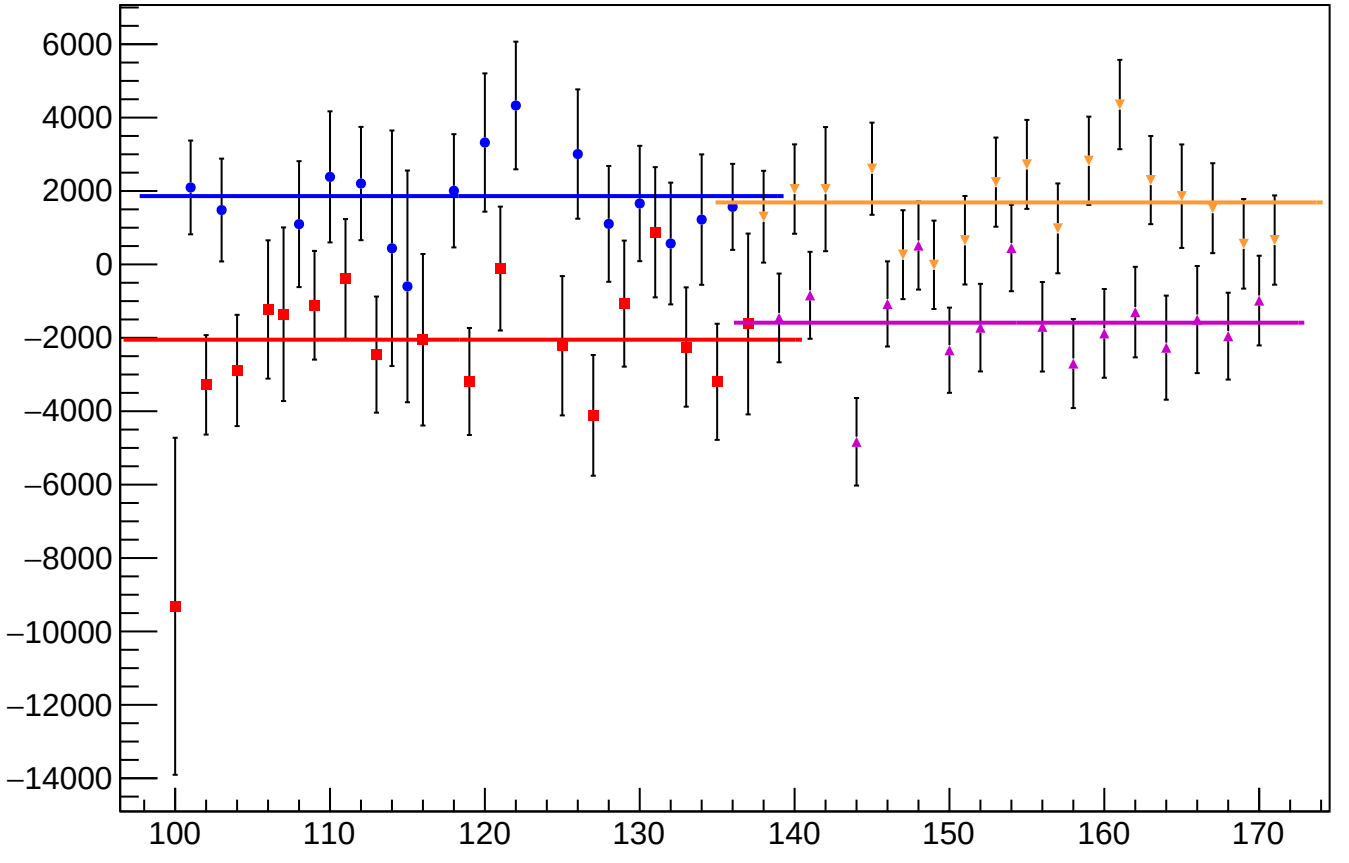
Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

+ sign 1133.126+/-0.187 χ^2/NDF: 4183342.3/32

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

- sign 1128.485+/-0.187 χ^2/NDF: 4527256.0/33

cor_asym_usl_mean vs Slug



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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

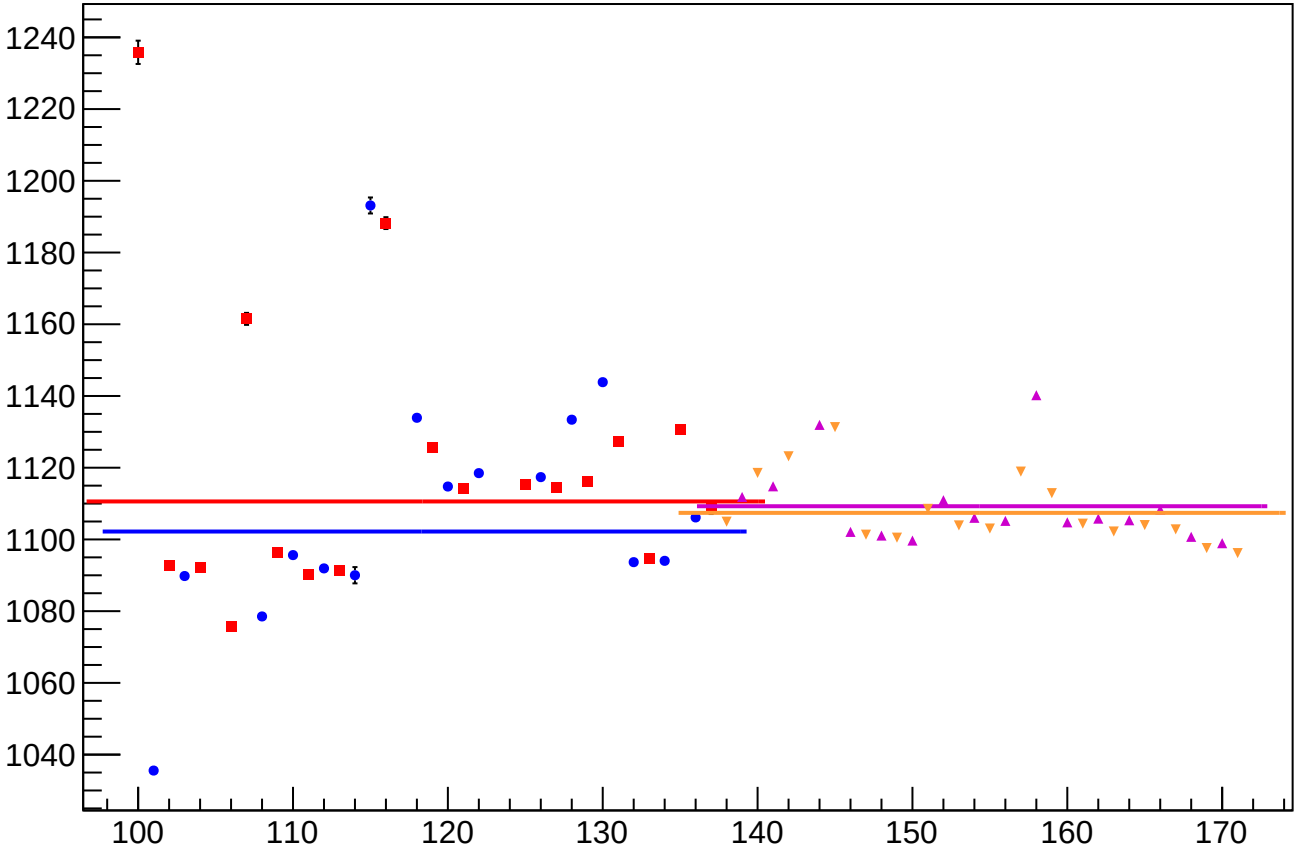
Left In: -1587.918+/-305.079 χ^2/NDF:16.0/15

+ sign 1749.895+/-243.078 χ^2/NDF: 19.1/32

All: 9.204+/-172.416 χ^2/NDF: 151.7/66

- sign -1753.277+/-244.595 χ^2/NDF: 29.4/33

cor_asym_usl_rms vs Slug



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

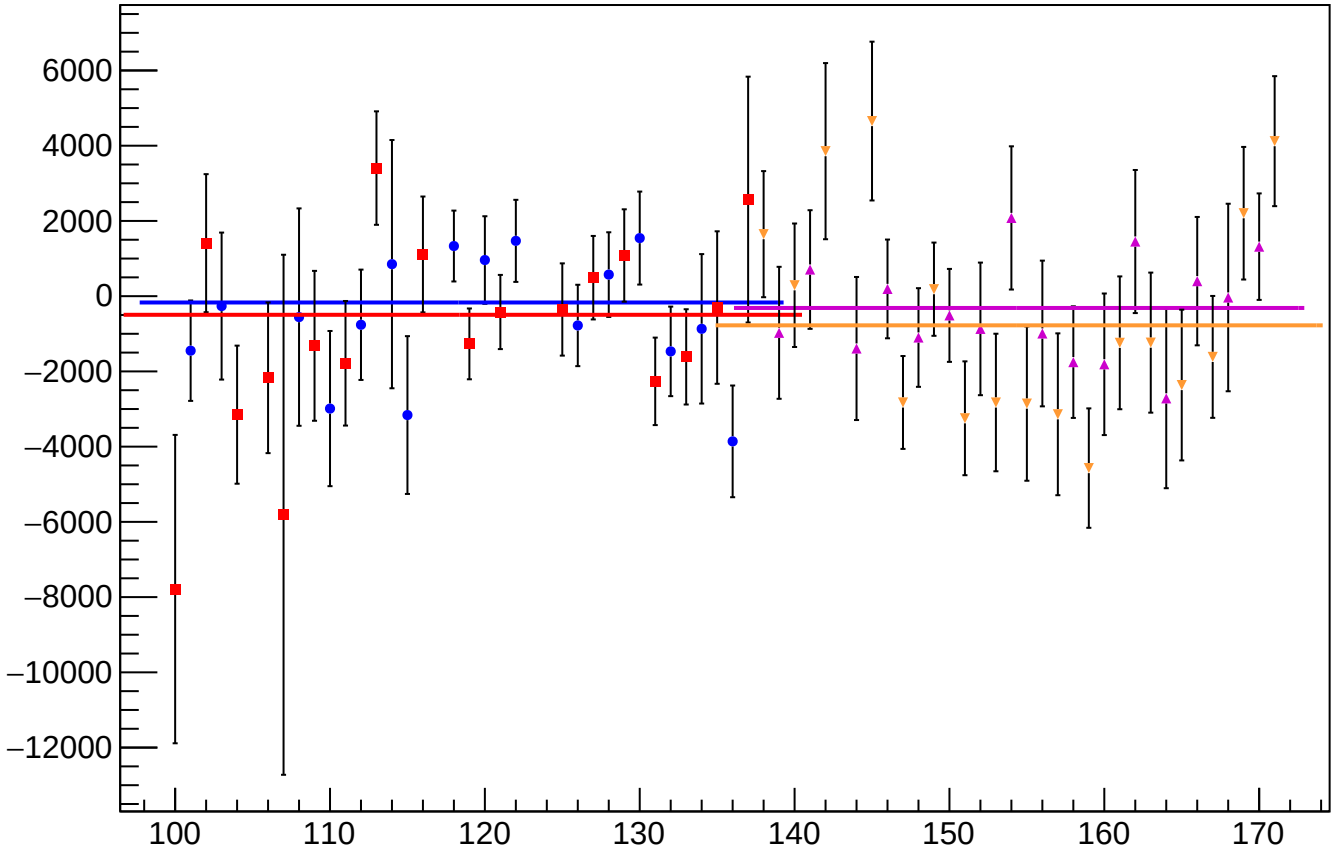
Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

+ sign 1105.577+/-0.172 χ^2/NDF: 13400.9/32

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66

- sign 1109.735+/-0.173 χ^2/NDF: 10439.3/33

asym_usl_cor_correction_mean vs Slug



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

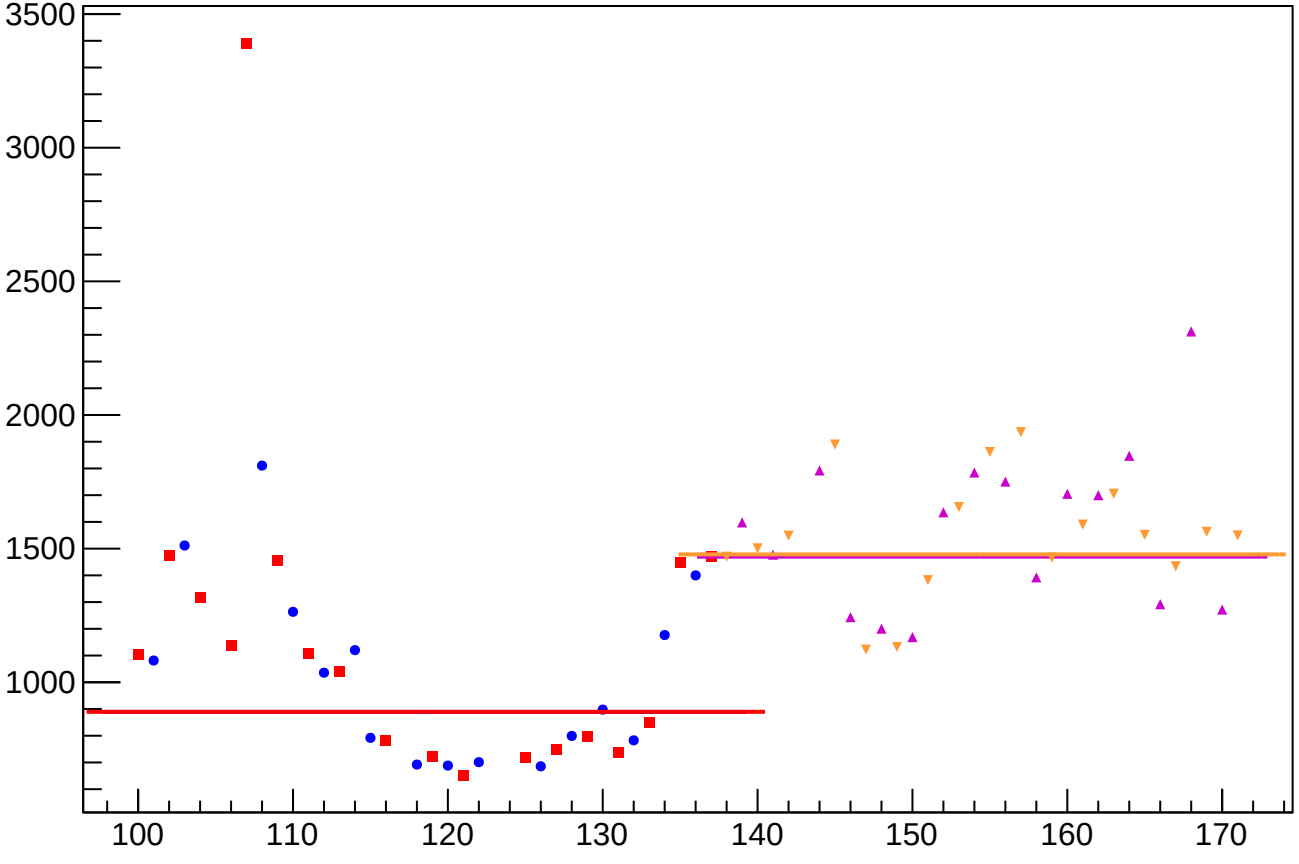
Left In: -313.565+/-412.509 χ^2/NDF:8.2/15

+ sign -419.469+/-264.403 χ^2/NDF: 62.5/32

All: -419.940+/-187.055 χ^2/NDF: 94.1/66

- sign -420.412+/-264.668 χ^2/NDF: 31.6/33

asym_usl_cor_correction_rms vs Slug



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

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

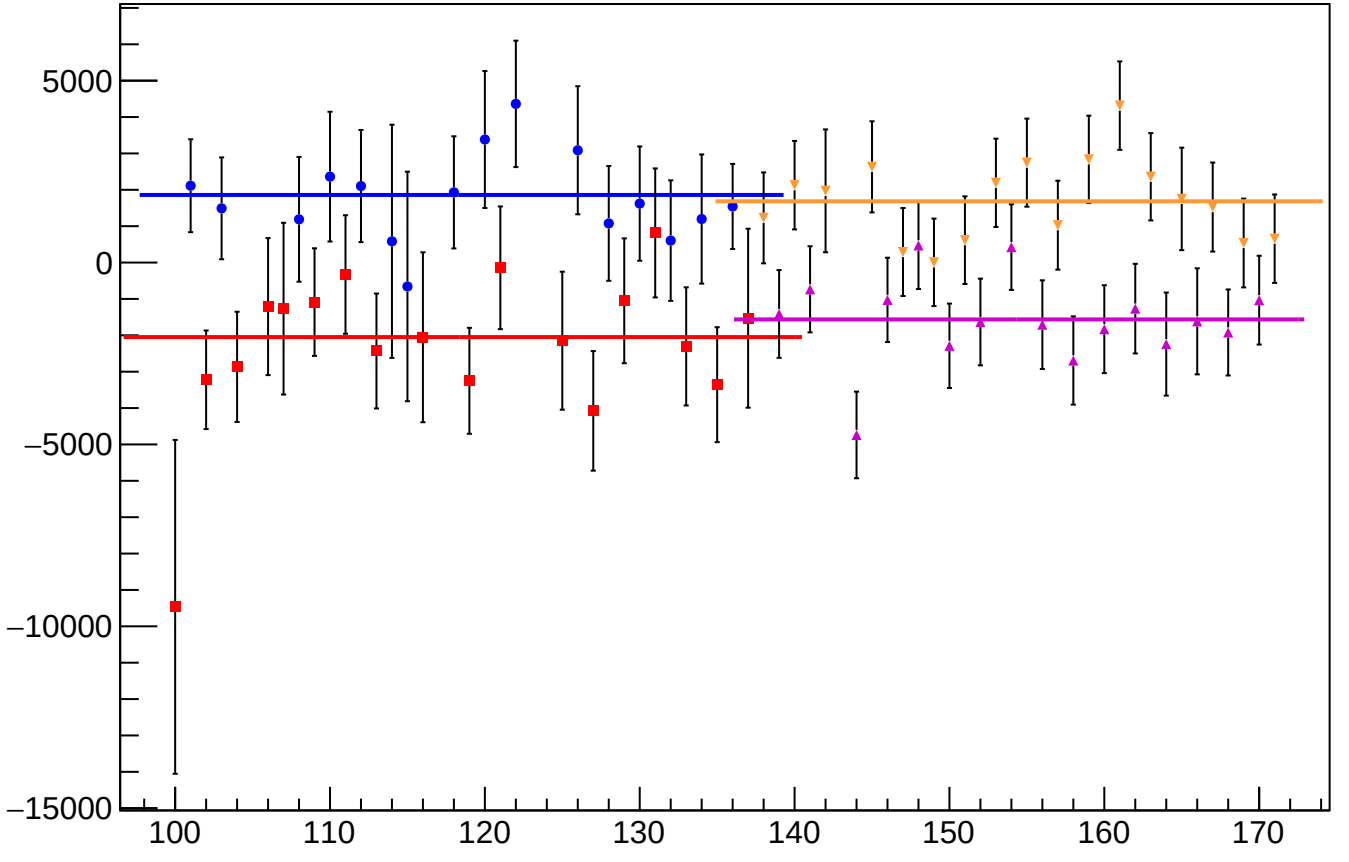
Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

+ sign 1133.126+/-0.187 χ^2/NDF: 4183342.3/32

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

- sign 1128.485+/-0.187 χ^2/NDF: 4527256.0/33

overload_cor_asym_usl_mean vs Slug



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

Left Out: 1684.062+/-301.739 χ^2/NDF:13.7/16

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

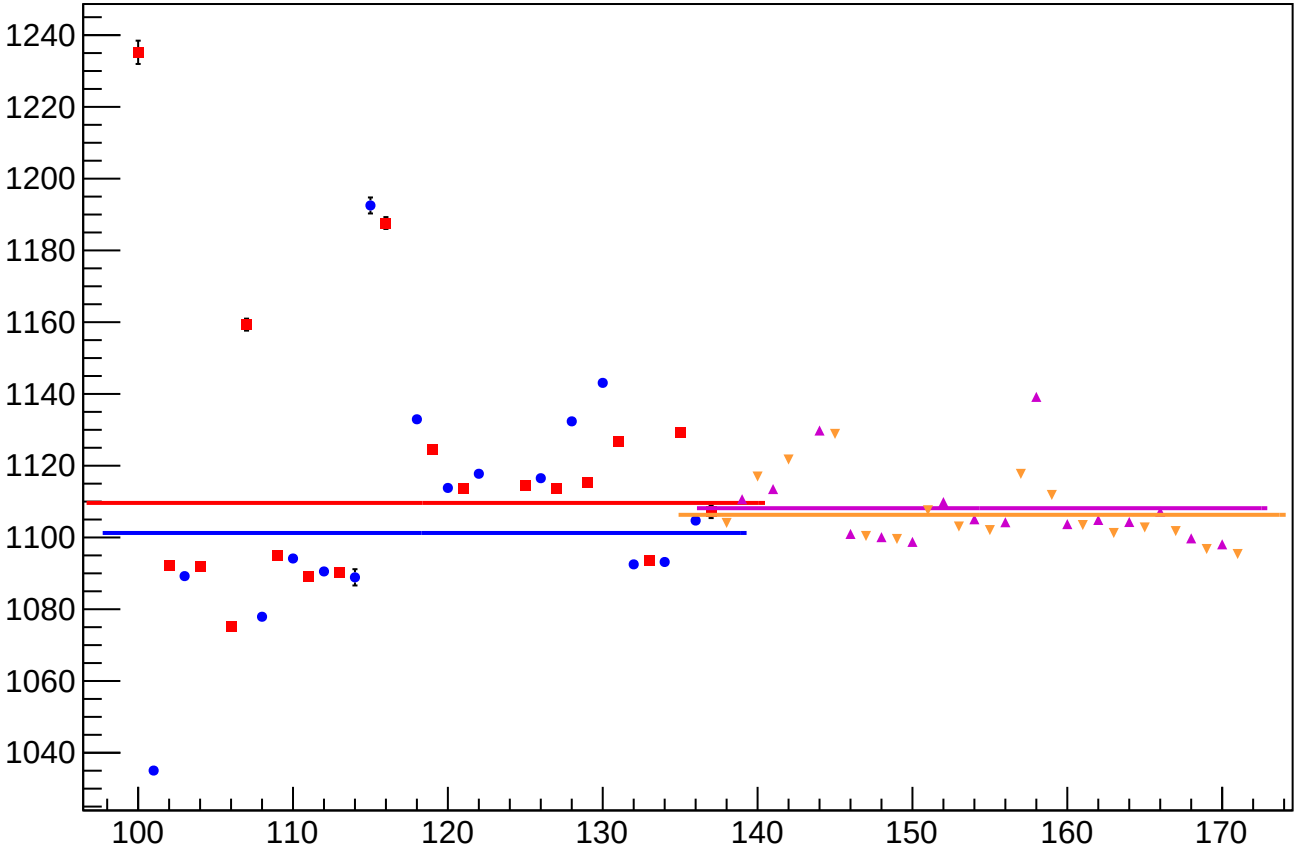
Left In: -1563.403+/-304.776 χ^2/NDF:15.5/15

+ sign 1745.573+/-242.847 χ^2/NDF: 19.3/32

All: 15.260+/-172.252 χ^2/NDF: 150.5/66

- sign -1736.717+/-244.363 χ^2/NDF: 29.1/33

overload_cor_asym_usl_rms vs Slug



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

Left Out: 1106.313+/-0.213 χ^2/NDF:1714.1/16

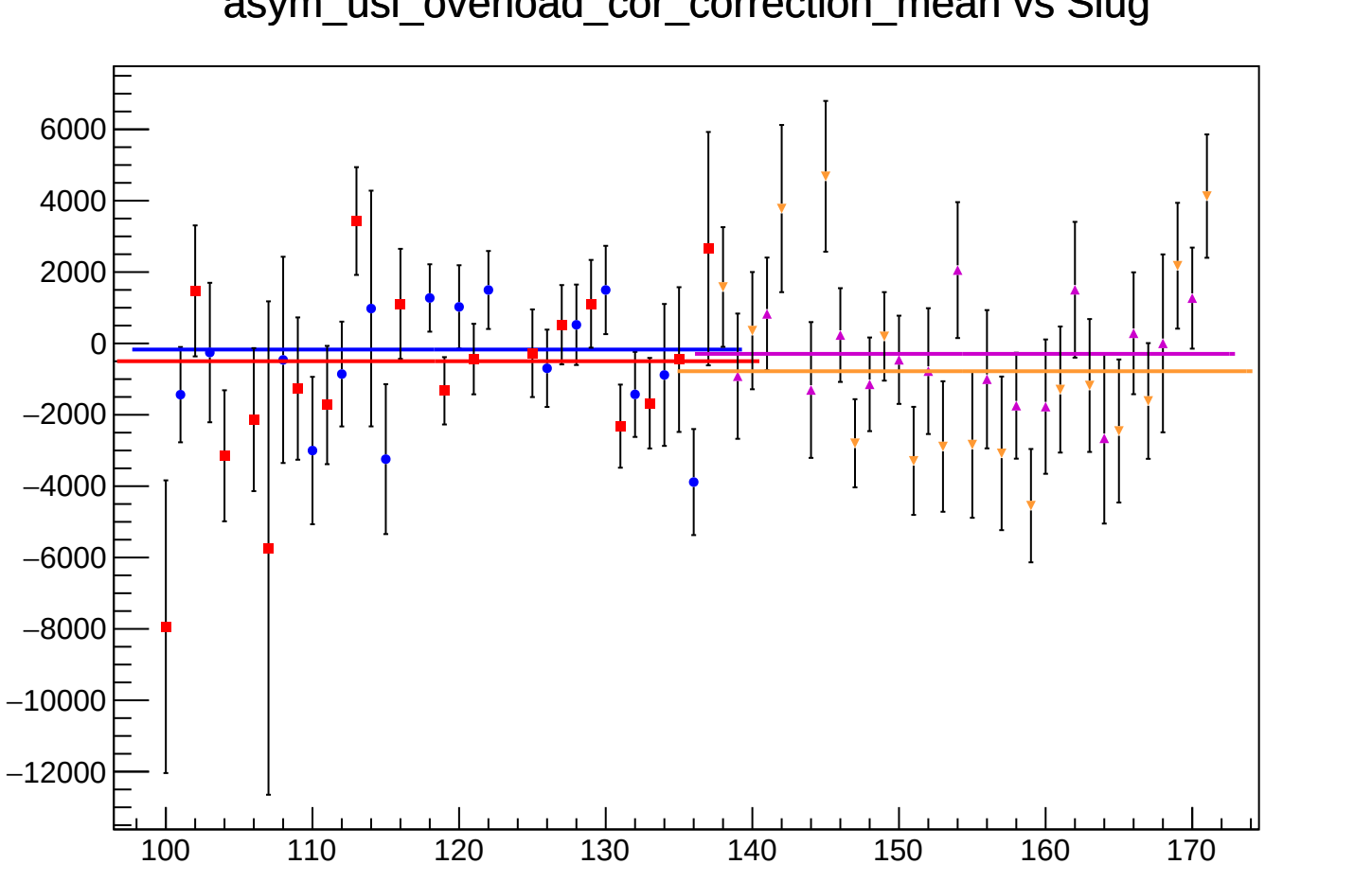
Right Out: 1109.629+/-0.289 χ^2/NDF: 7673.1/17

Left In: 1108.158+/-0.216 χ^2/NDF:2649.6/15

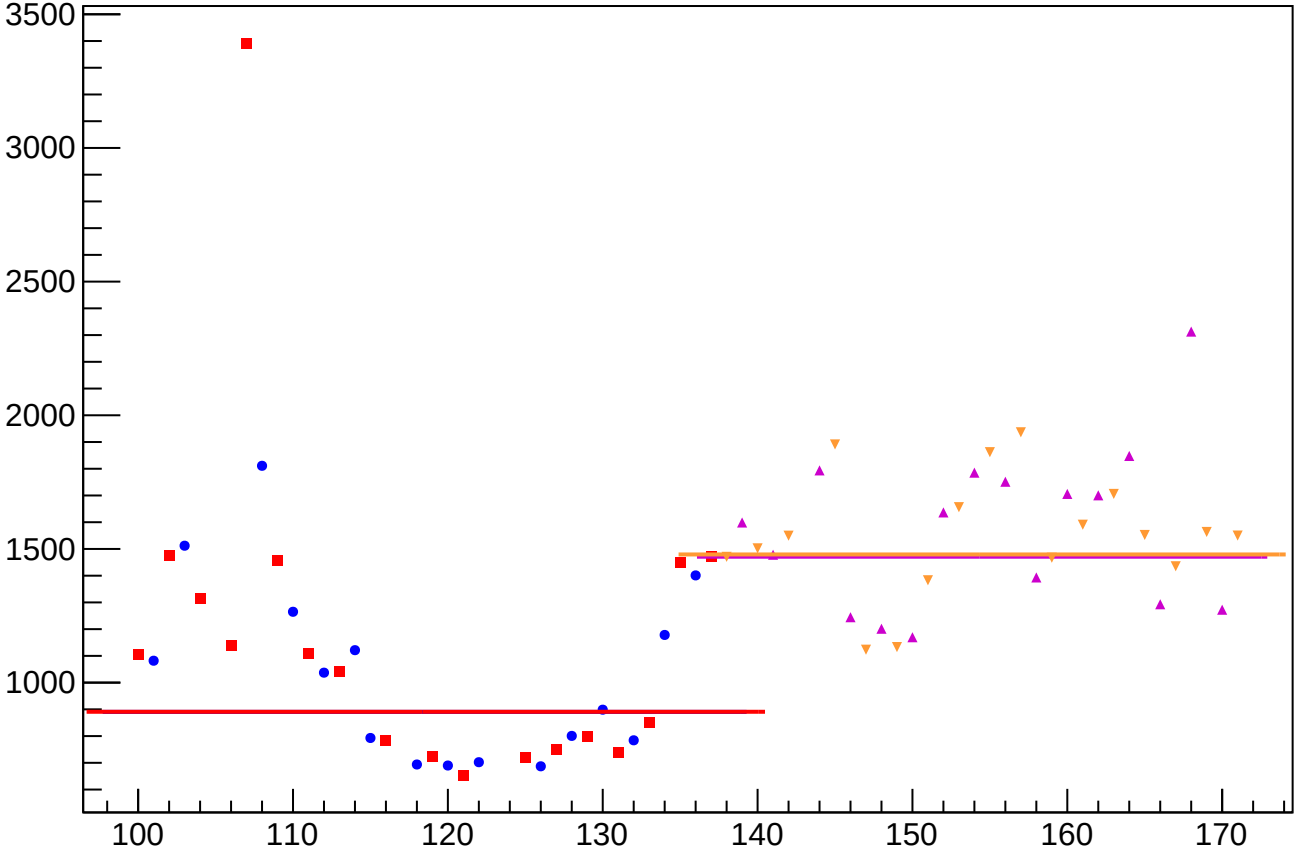
+ sign 1104.531+/-0.172 χ^2/NDF: 13220.4/32

All: 1106.594+/-0.122 χ^2/NDF: 23850.2/66

- sign 1108.683+/-0.173 χ^2/NDF: 10339.2/33


asym_usl_overload_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -778.692+/-411.089 χ²/NDF:40.0/16
Right Out: -497.957+/-345.565 χ²/NDF: 23.9/17
Left In: -292.183+/-412.753 χ²/NDF:8.0/15
+ sign -422.926+/-264.708 χ²/NDF: 62.2/32
All: -418.048+/-187.267 χ²/NDF: 94.3/66
- sign -413.160+/-264.963 χ²/NDF: 32.1/33

asym_usl_overload_cor_correction_rms vs Slug



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

Left Out: 1479.413+/-0.291 χ^2/NDF:636827.5/16

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

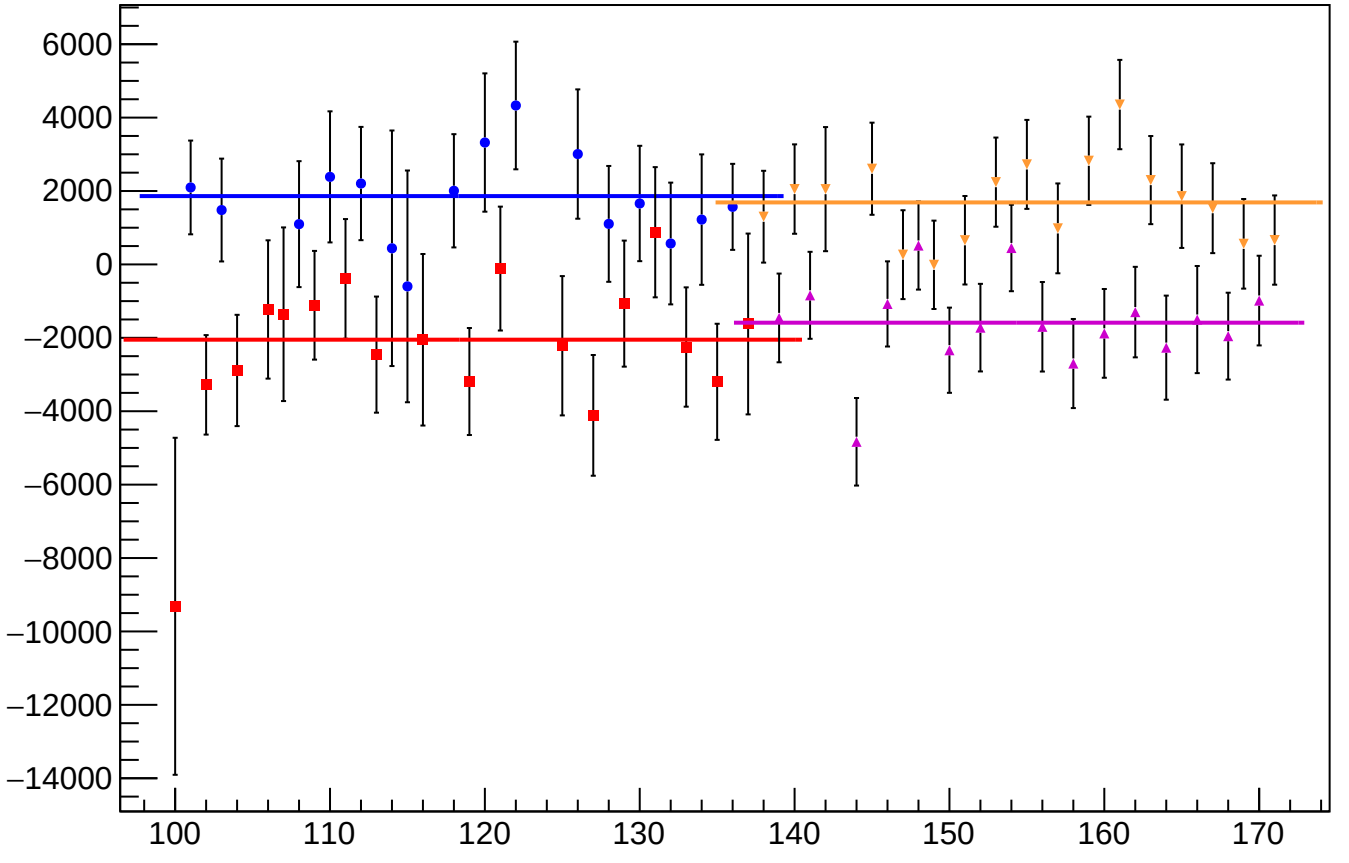
Left In: 1470.987+/-0.292 χ^2/NDF:849220.0/15

+ sign 1134.678+/-0.187 χ^2/NDF: 4168261.5/32

All: 1132.326+/-0.132 χ^2/NDF: 8681752.6/66

- sign 1129.970+/-0.187 χ^2/NDF: 4513175.1/33

eigen_cor_asym_usl_mean vs Slug



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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

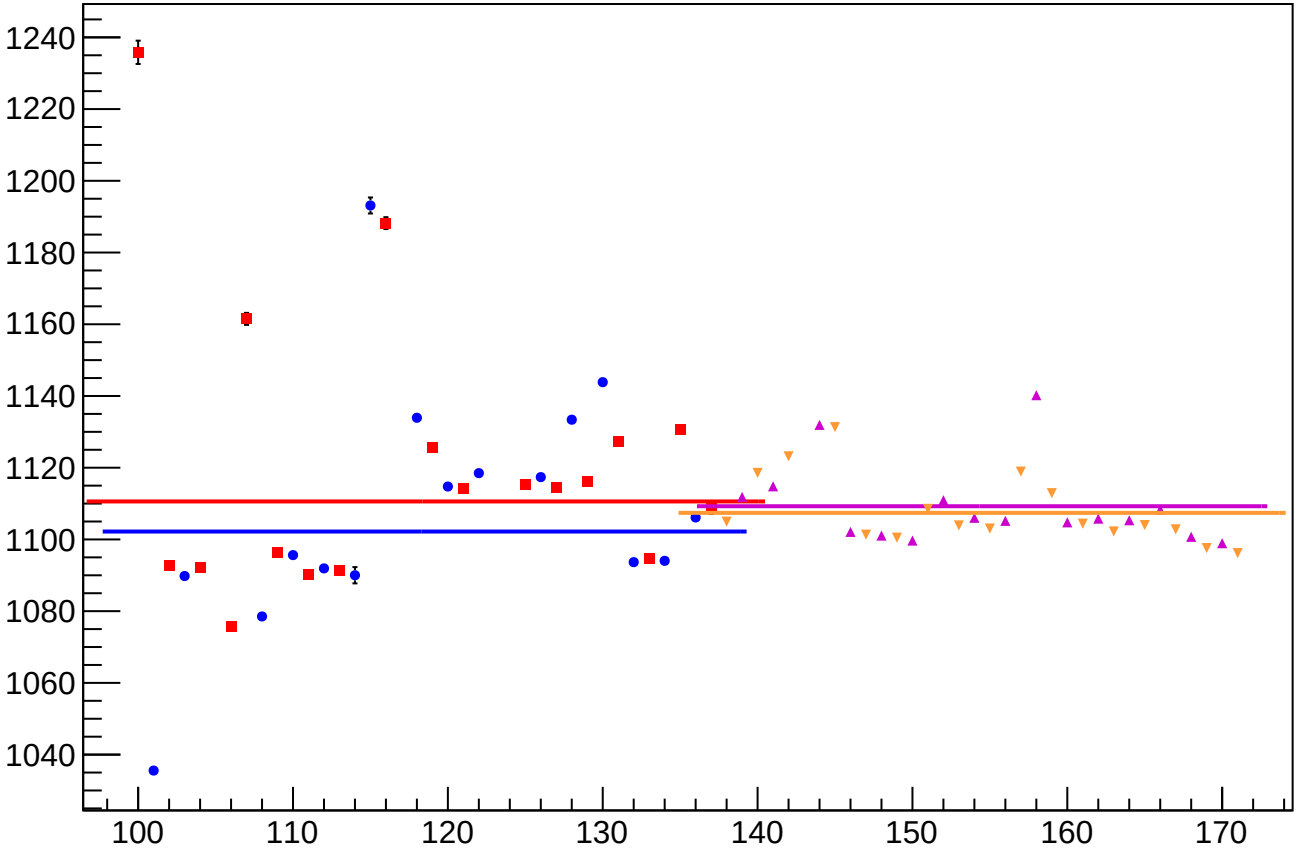
Left In: -1587.918+/-305.079 χ^2/NDF:16.0/15

+ sign 1749.895+/-243.078 χ^2/NDF: 19.1/32

All: 9.204+/-172.416 χ^2/NDF: 151.7/66

- sign -1753.277+/-244.595 χ^2/NDF: 29.4/33

eigen_cor_asym_usl_rms vs Slug



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

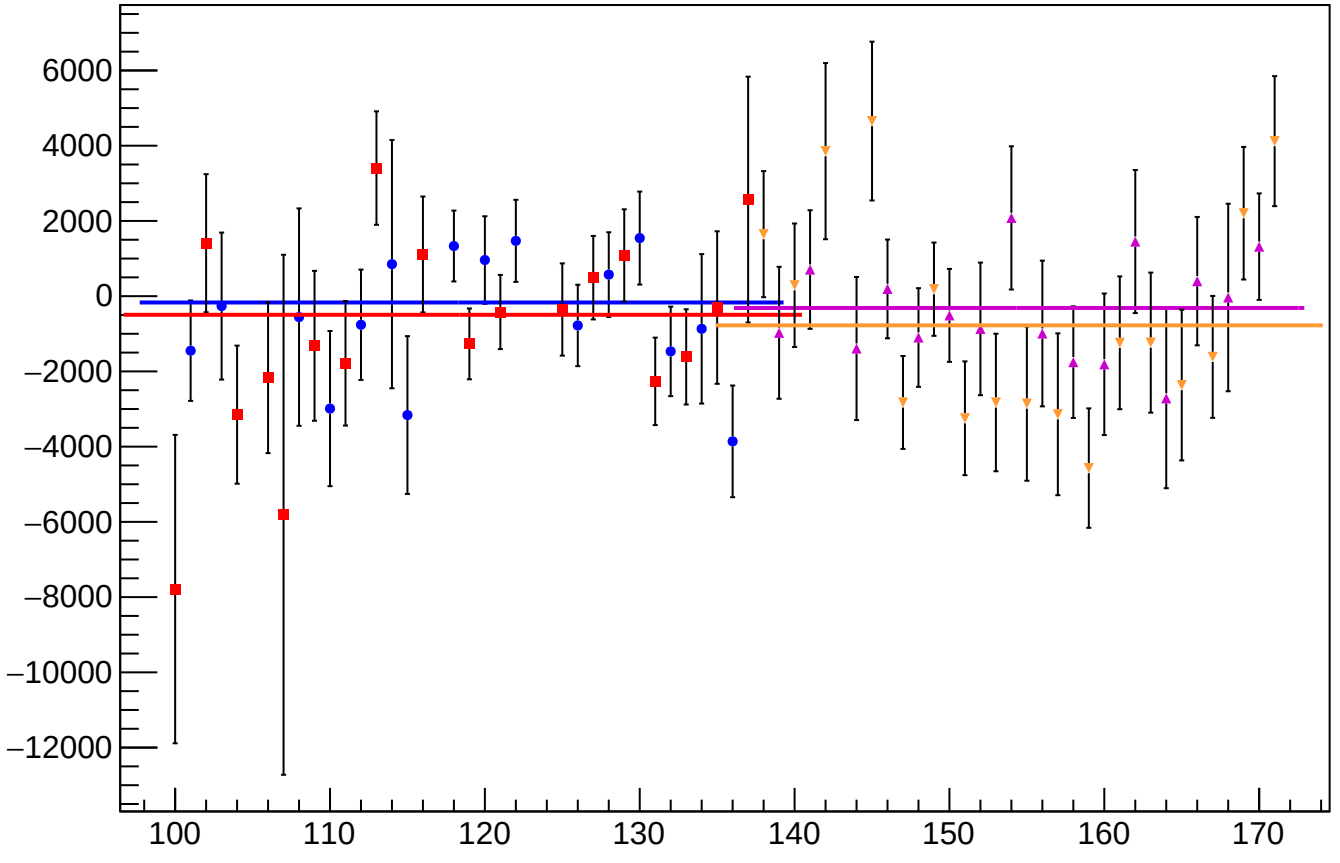
Left In: 1109.258+/-0.216 χ^2/NDF:2729.6/15

+ sign 1105.577+/-0.172 χ^2/NDF: 13400.9/32

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66

- sign 1109.735+/-0.173 χ^2/NDF: 10439.3/33

asym_usl_eigen_cor_correction_mean vs Slug



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

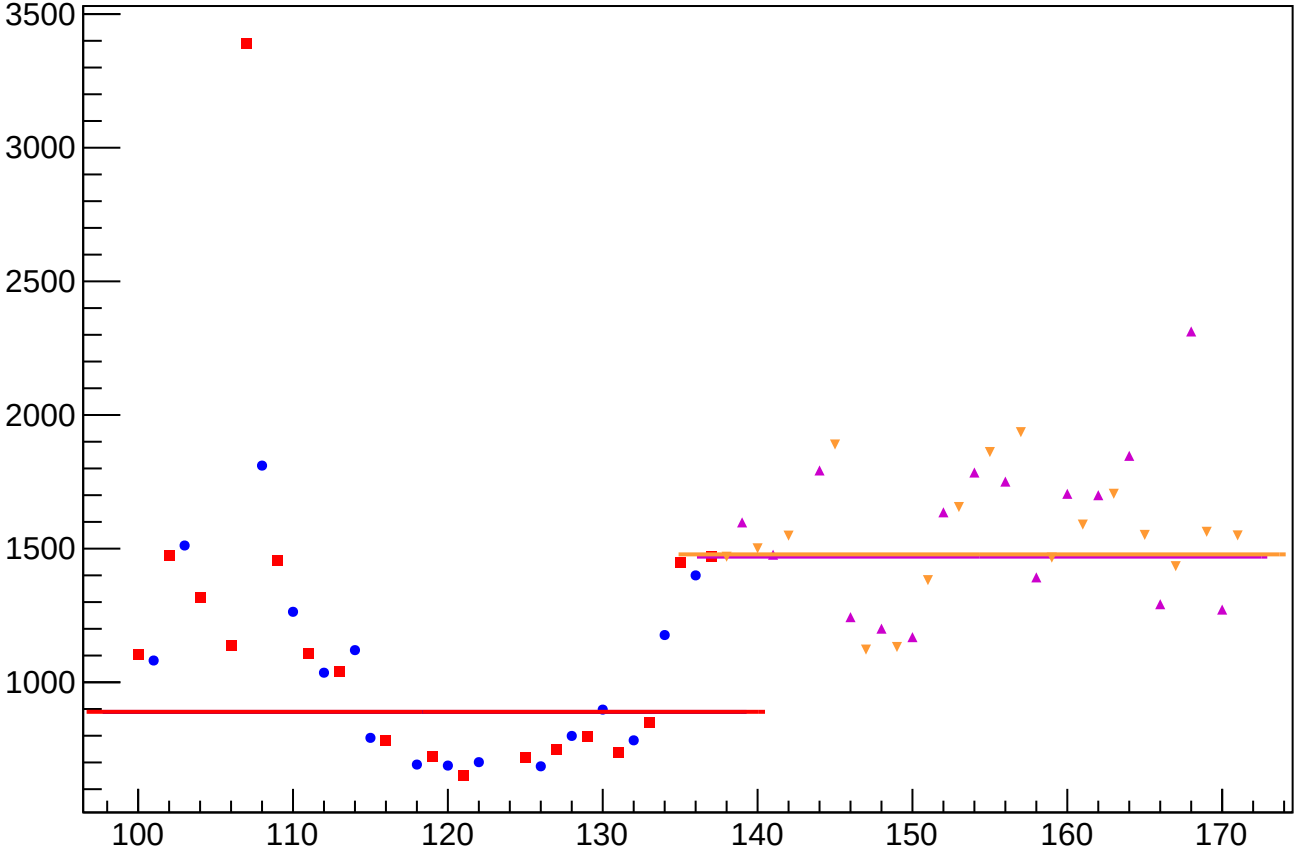
Left In: -313.565+/-412.509 χ^2/NDF:8.2/15

+ sign -419.469+/-264.403 χ^2/NDF: 62.5/32

All: -419.940+/-187.055 χ^2/NDF: 94.1/66

- sign -420.412+/-264.668 χ^2/NDF: 31.6/33

asym_usl_eigen_cor_correction_rms vs Slug



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

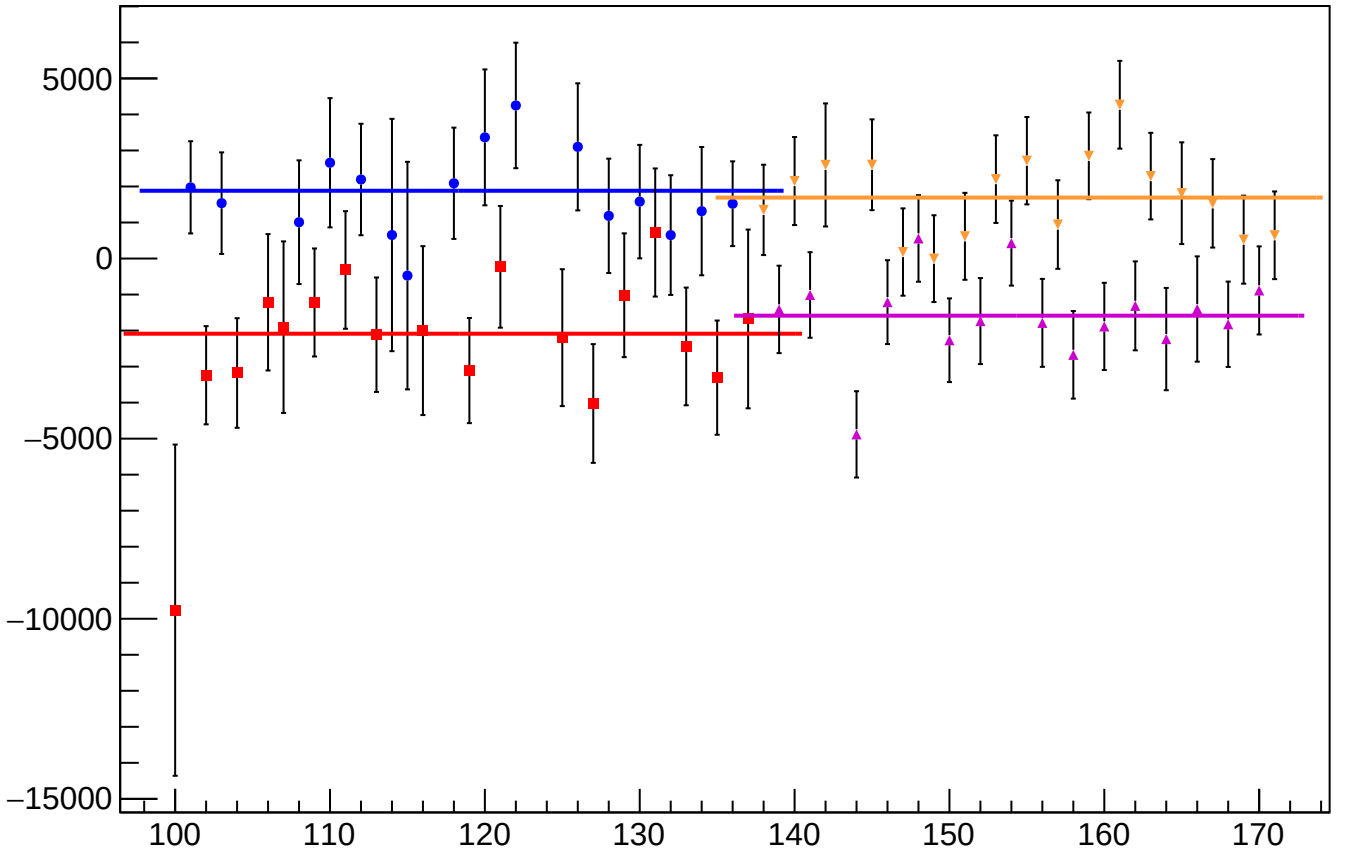
Right Out: 889.478+/-0.244 χ^2/NDF: 1345750.2/17

Left In: 1470.074+/-0.292 χ^2/NDF:850518.8/15

+ sign 1133.126+/-0.187 χ^2/NDF: 4183342.3/32

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

- sign 1128.485+/-0.187 χ^2/NDF: 4527256.0/33



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

Left Out: 1692.182+/-302.650 χ^2/NDF:13.9/16

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

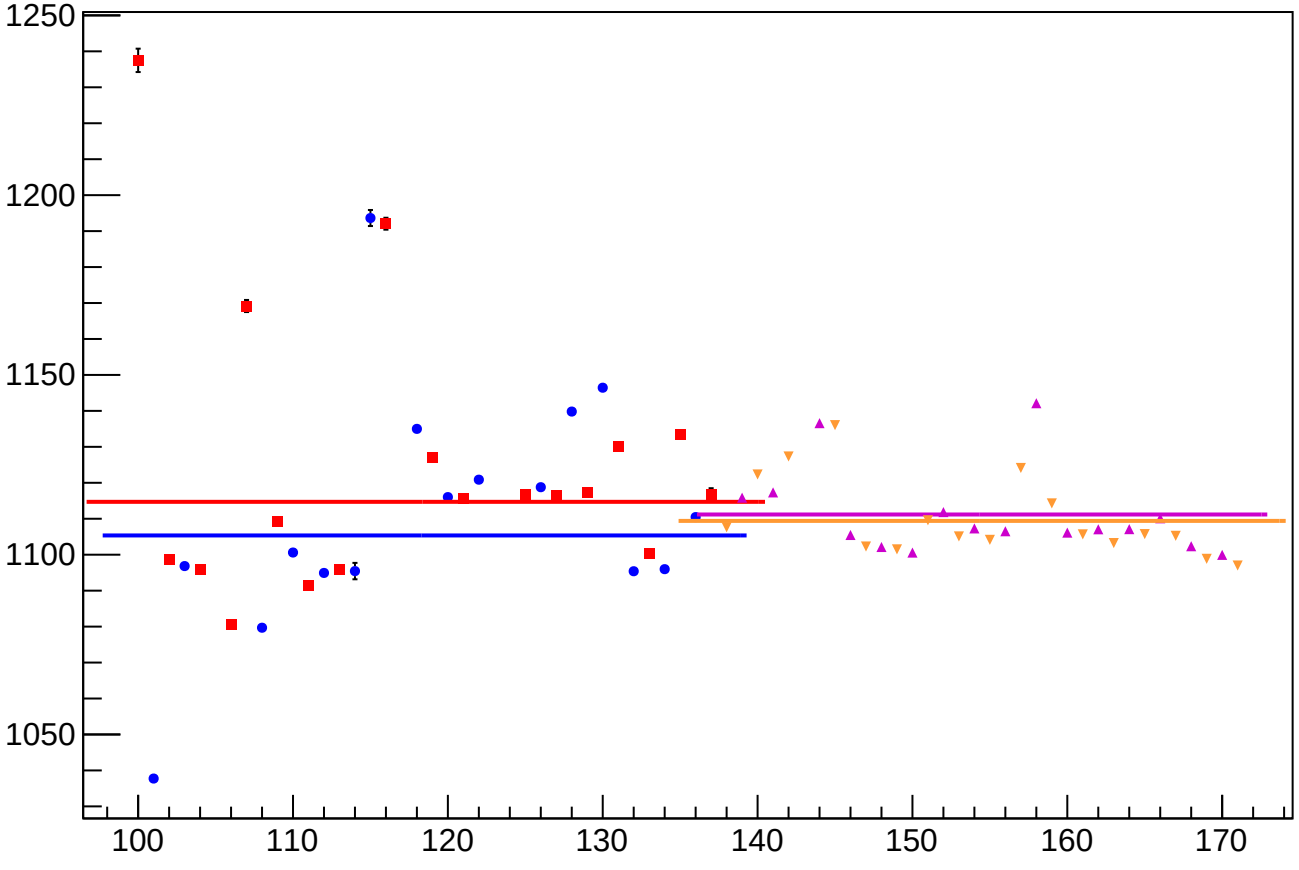
Left In: -1586.352+/-305.615 χ^2/NDF:15.9/15

+ sign 1758.817+/-243.642 χ^2/NDF: 19.3/32

All: 8.286+/-172.829 χ^2/NDF: 152.4/66

- sign -1764.689+/-245.199 χ^2/NDF: 29.3/33

dit_asym_usl_rms vs Slug



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

Left Out: 1109.401+/-0.214 χ^2/NDF:2343.4/16

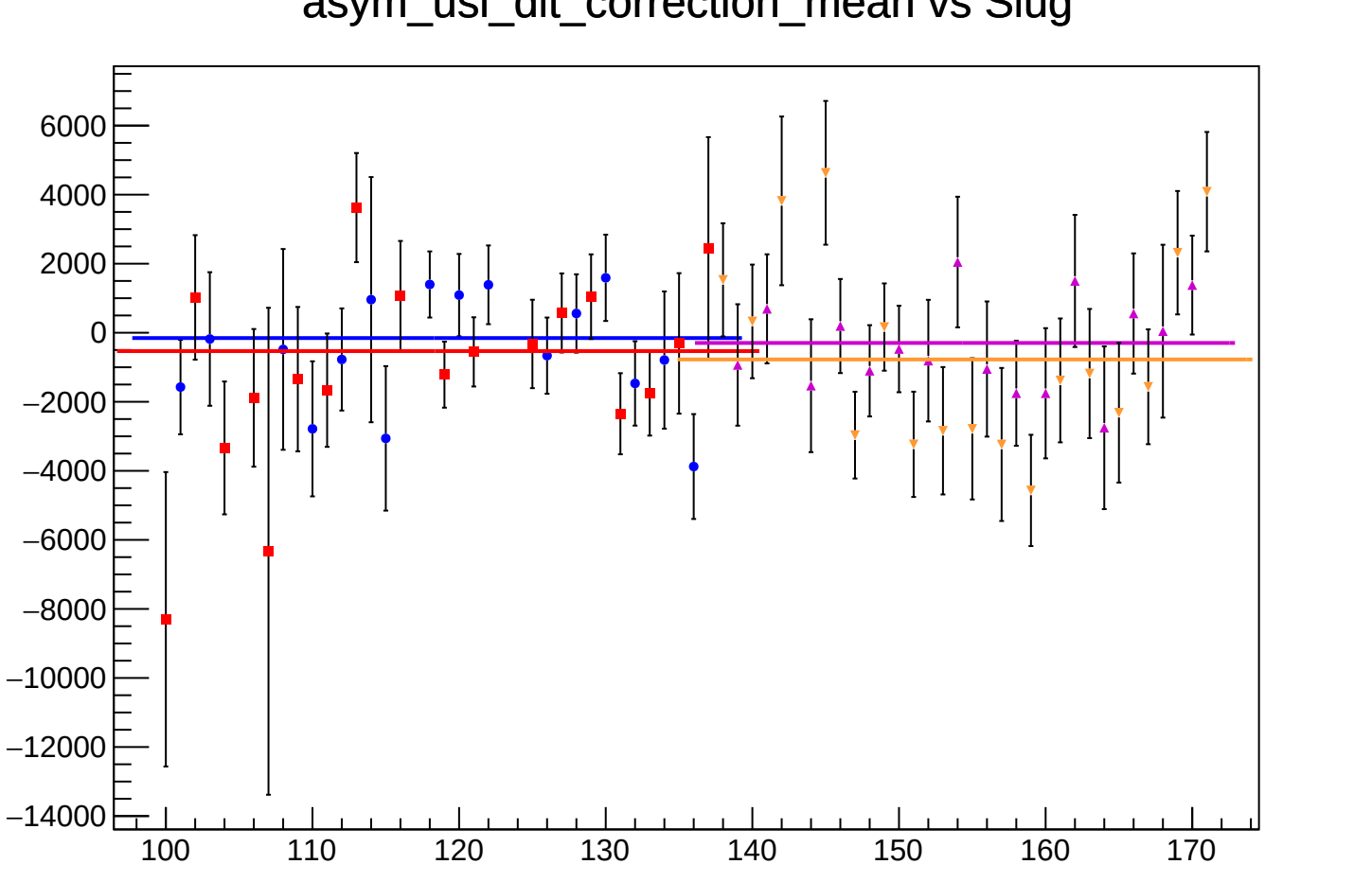
Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.183+/-0.216 χ^2/NDF:3011.3/15

+ sign 1107.977+/-0.172 χ^2/NDF: 13800.1/32

All: 1110.194+/-0.122 χ^2/NDF: 24569.4/66

- sign 1112.438+/-0.173 χ^2/NDF: 10436.2/33



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

Left Out: -773.938+/-415.256 χ^2/NDF:39.7/16

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

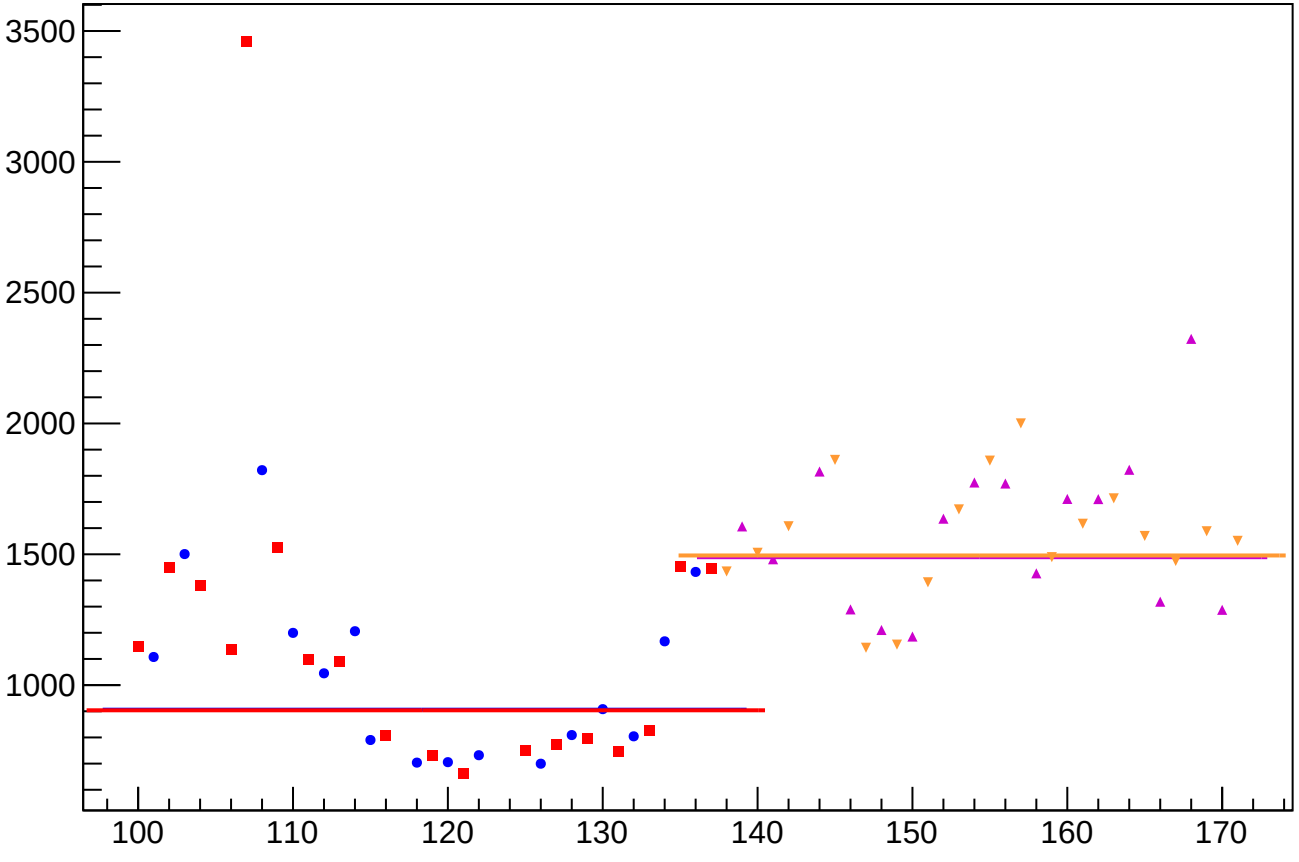
Left In: -296.140+/-417.121 χ^2/NDF:8.3/15

+ sign -412.619+/-268.208 χ^2/NDF: 61.5/32

All: -423.560+/-189.684 χ^2/NDF: 93.3/66

- sign -434.508+/-268.300 χ^2/NDF: 31.7/33

asym_usl_dit_correction_rms vs Slug



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

Left Out: 1495.509+/-0.294 χ^2/NDF:612139.8/16

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

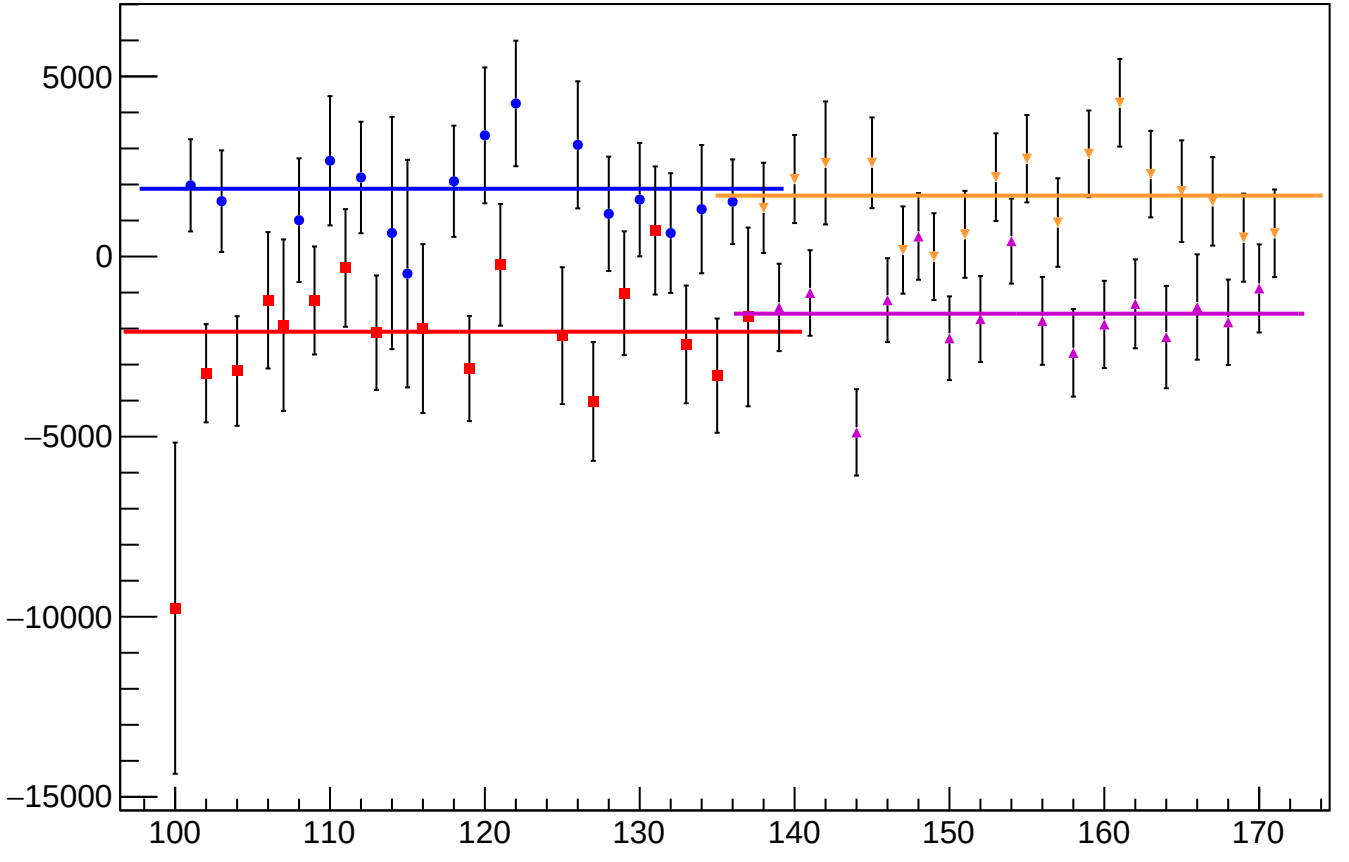
Left In: 1488.919+/-0.295 χ^2/NDF:795437.9/15

+ sign 1151.946+/-0.190 χ^2/NDF: 4040502.9/32

All: 1148.901+/-0.134 χ^2/NDF: 8484041.9/66

- sign 1145.855+/-0.190 χ^2/NDF: 4443023.5/33

eigen_dit_asym_usl_mean vs Slug



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

Left Out: 1692.178+/-302.650 χ^2/NDF:13.9/16

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

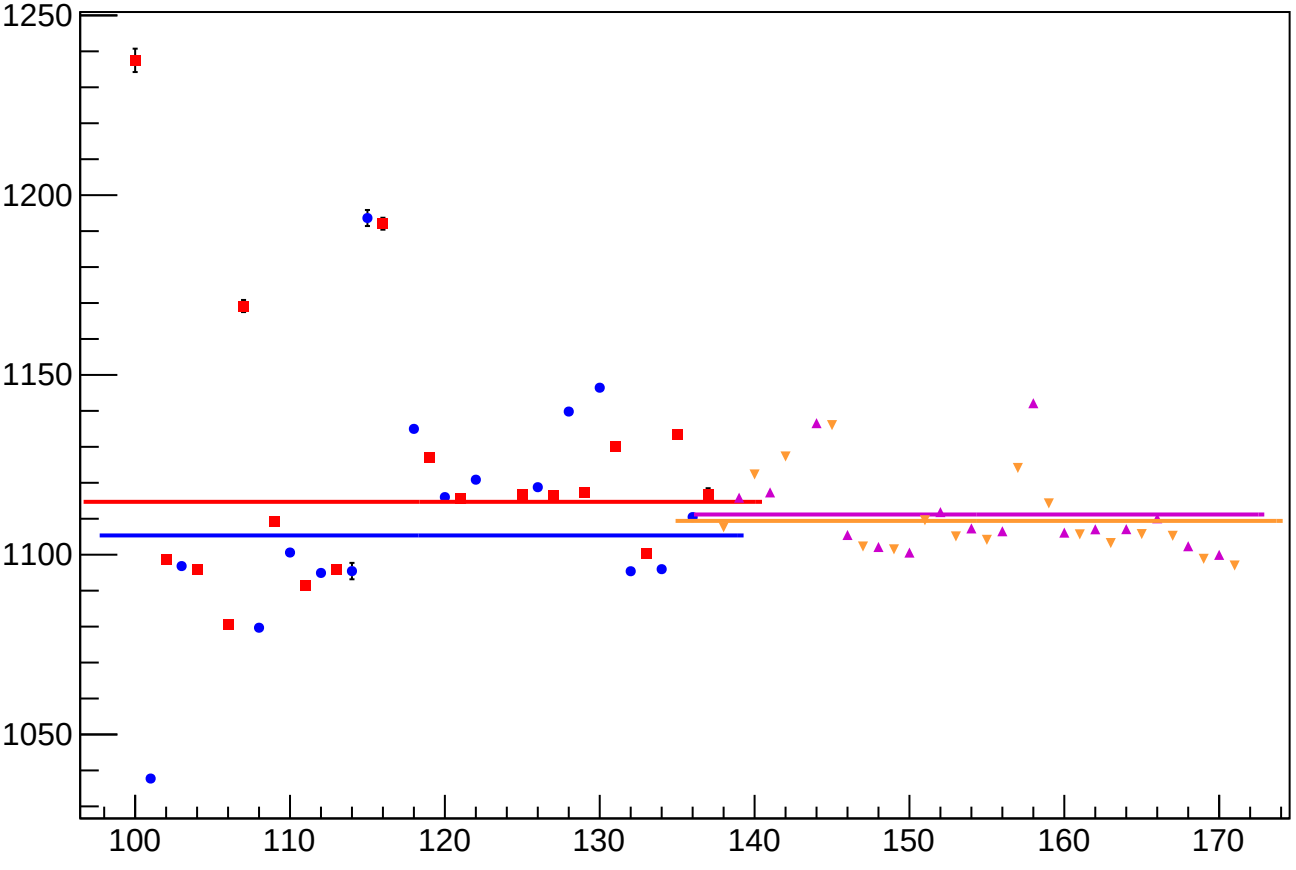
Left In: -1586.354+/-305.615 χ^2/NDF:15.9/15

+ sign 1758.814+/-243.642 χ^2/NDF: 19.3/32

All: 8.285+/-172.829 χ^2/NDF: 152.4/66

- sign -1764.690+/-245.199 χ^2/NDF: 29.3/33

eigen_dit_asym_usl_rms vs Slug



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

Left Out: 1109.401+/-0.214 χ^2/NDF:2343.4/16

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

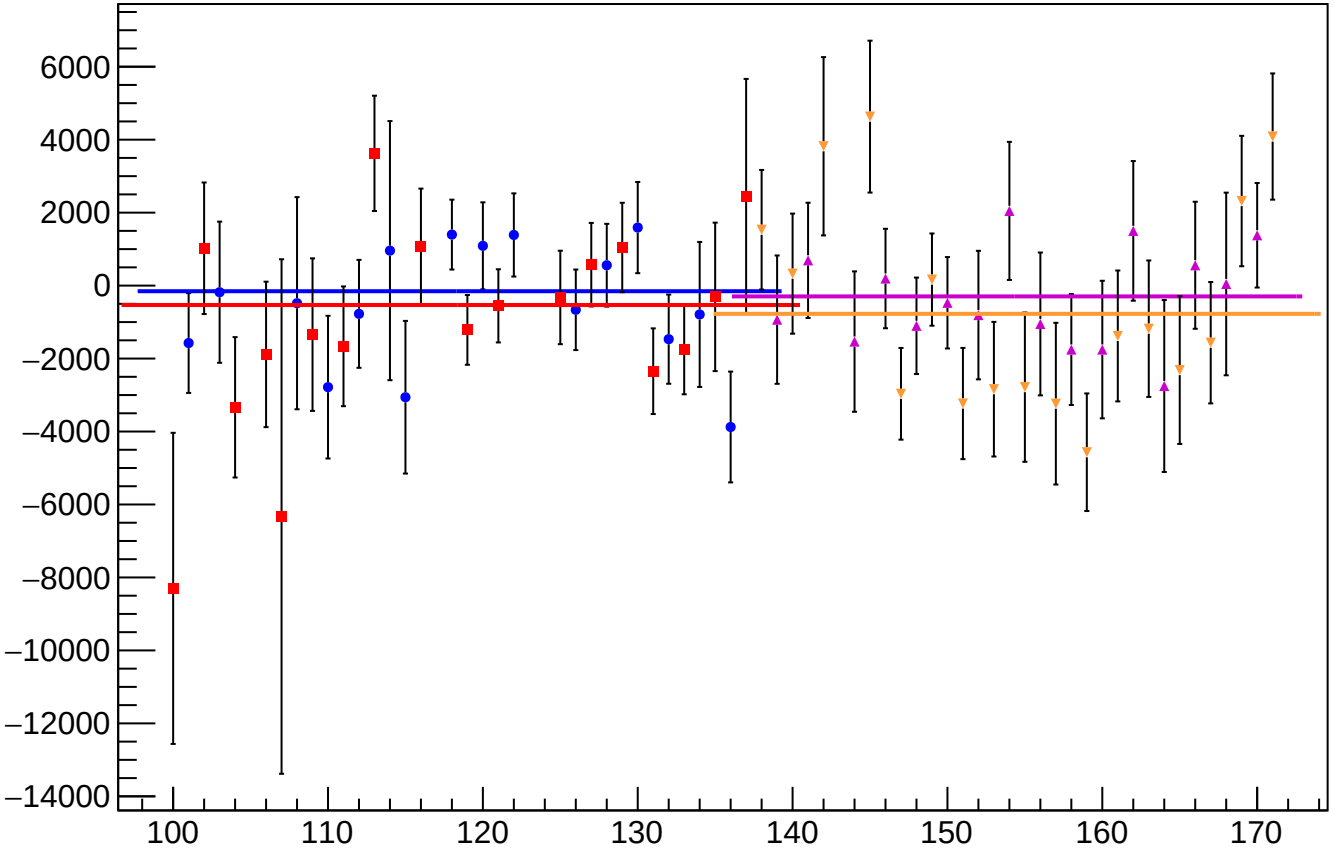
Left In: 1111.183+/-0.216 χ^2/NDF:3011.3/15

+ sign 1107.977+/-0.172 χ^2/NDF: 13800.1/32

All: 1110.194+/-0.122 χ^2/NDF: 24569.4/66

- sign 1112.438+/-0.173 χ^2/NDF: 10436.2/33

asym_usl_eigen_dit_correction_mean vs Slug



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

Left Out: -773.943+/-415.256 χ^2/NDF:39.7/16

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

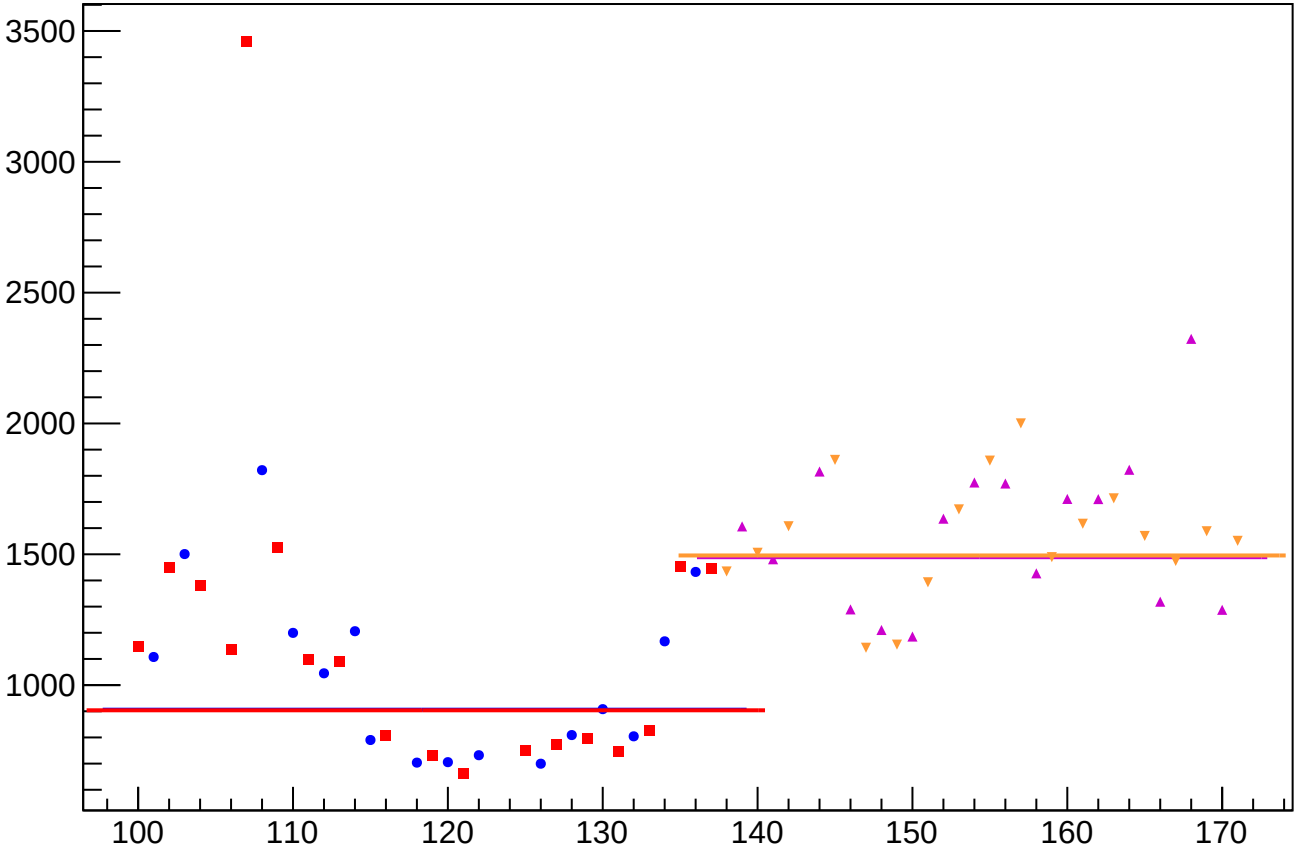
Left In: -296.141+/-417.121 χ^2/NDF:8.3/15

+ sign -412.619+/-268.208 χ^2/NDF: 61.5/32

All: -423.560+/-189.684 χ^2/NDF: 93.3/66

- sign -434.508+/-268.300 χ^2/NDF: 31.7/33

asym_usl_eigen_dit_correction_rms vs Slug



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

Left Out: 1495.511+/-0.294 χ^2/NDF:612136.2/16

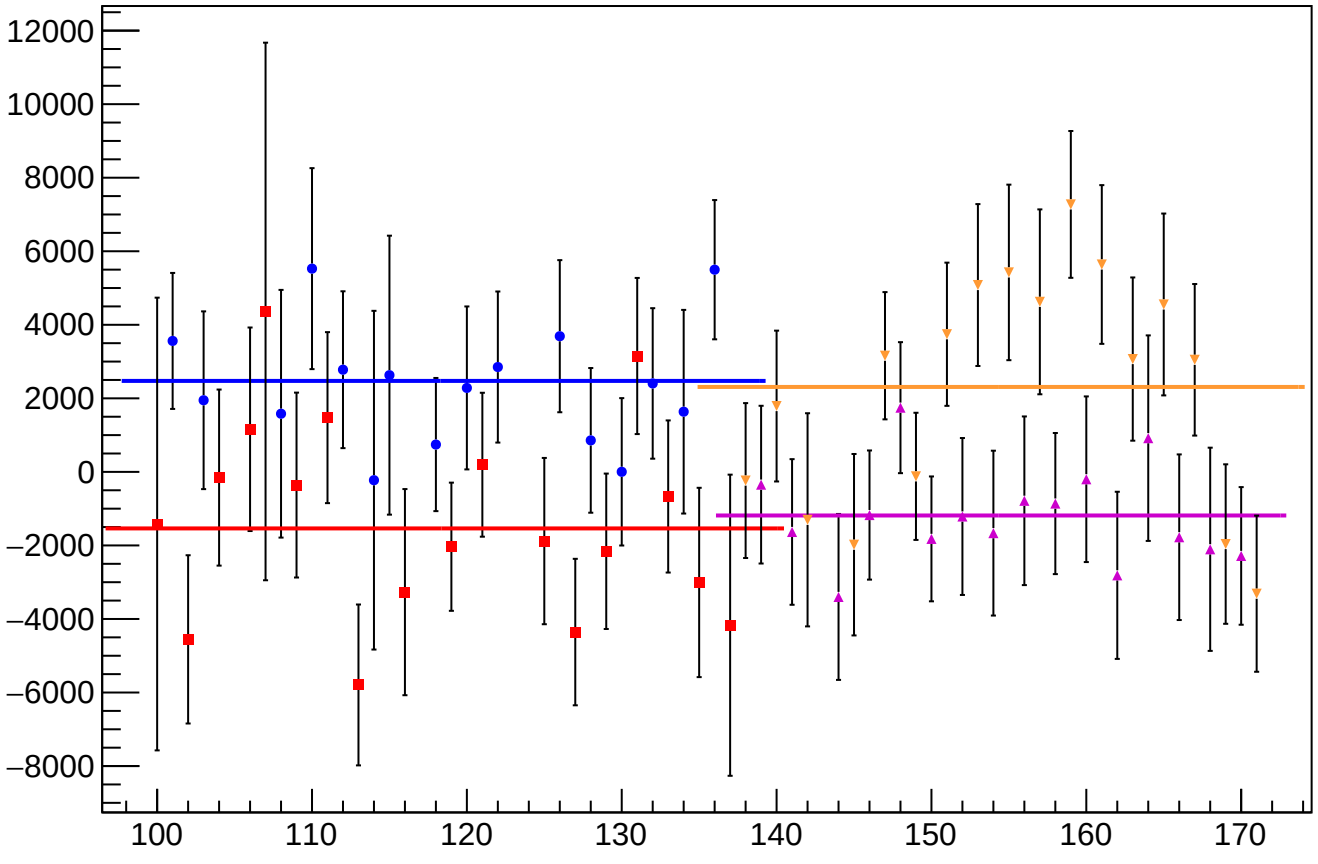
Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1488.921+/-0.295 χ^2/NDF:795434.7/15

+ sign 1151.944+/-0.190 χ^2/NDF: 4040534.8/32

All: 1148.900+/-0.134 χ^2/NDF: 8484104.2/66

- sign 1145.853+/-0.190 χ^2/NDF: 4443053.8/33



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

Left Out: 2309.942+/-518.403 χ^2/NDF:33.5/16

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

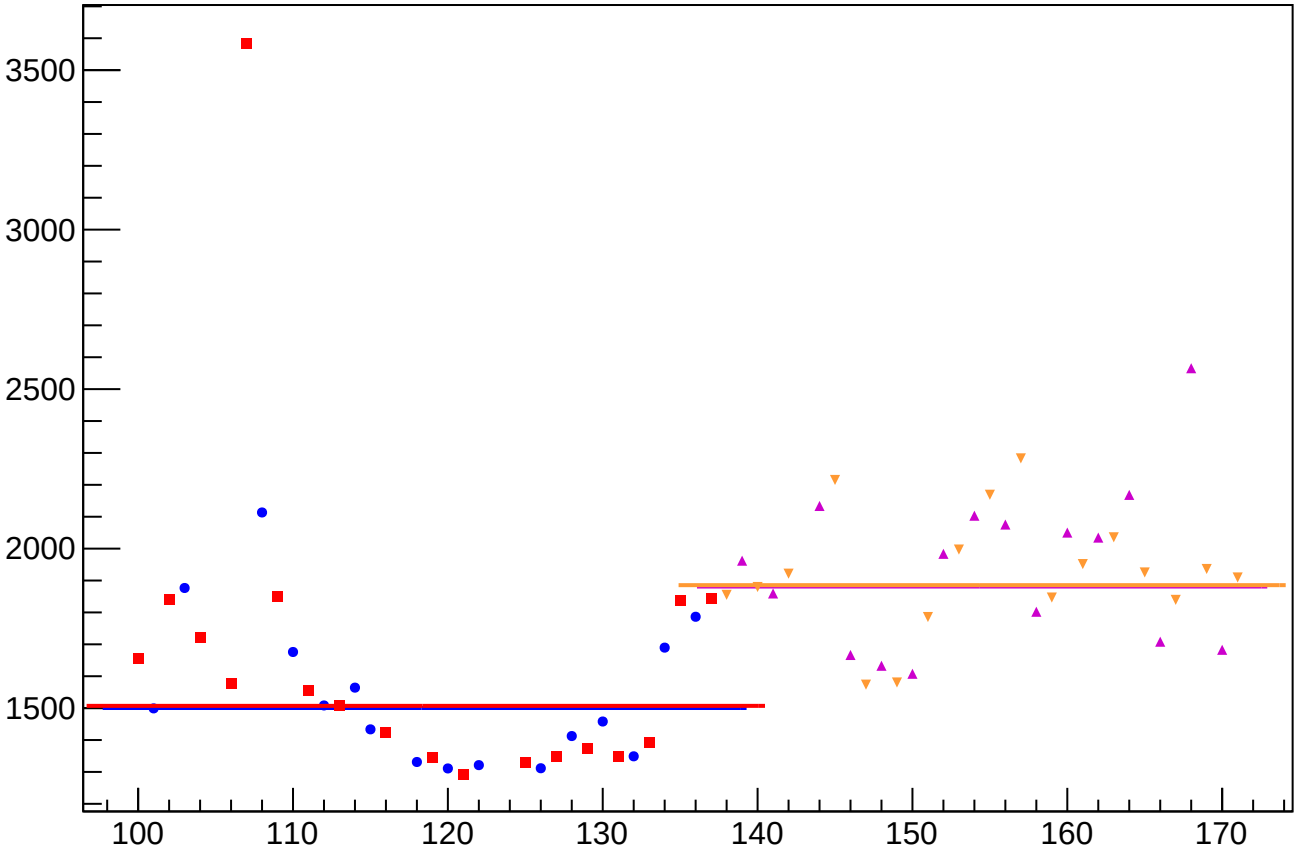
Left In: -1185.533+/-522.137 χ^2/NDF:5.9/15

+ sign 2385.277+/-381.296 χ^2/NDF: 41.8/32

All: 526.988+/-270.222 χ^2/NDF: 114.1/66

- sign -1348.079+/-383.013 χ^2/NDF: 24.6/33

asym_usl_rms vs Slug



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

Left Out: 1885.478+/-0.367 χ^2/NDF:266975.8/16

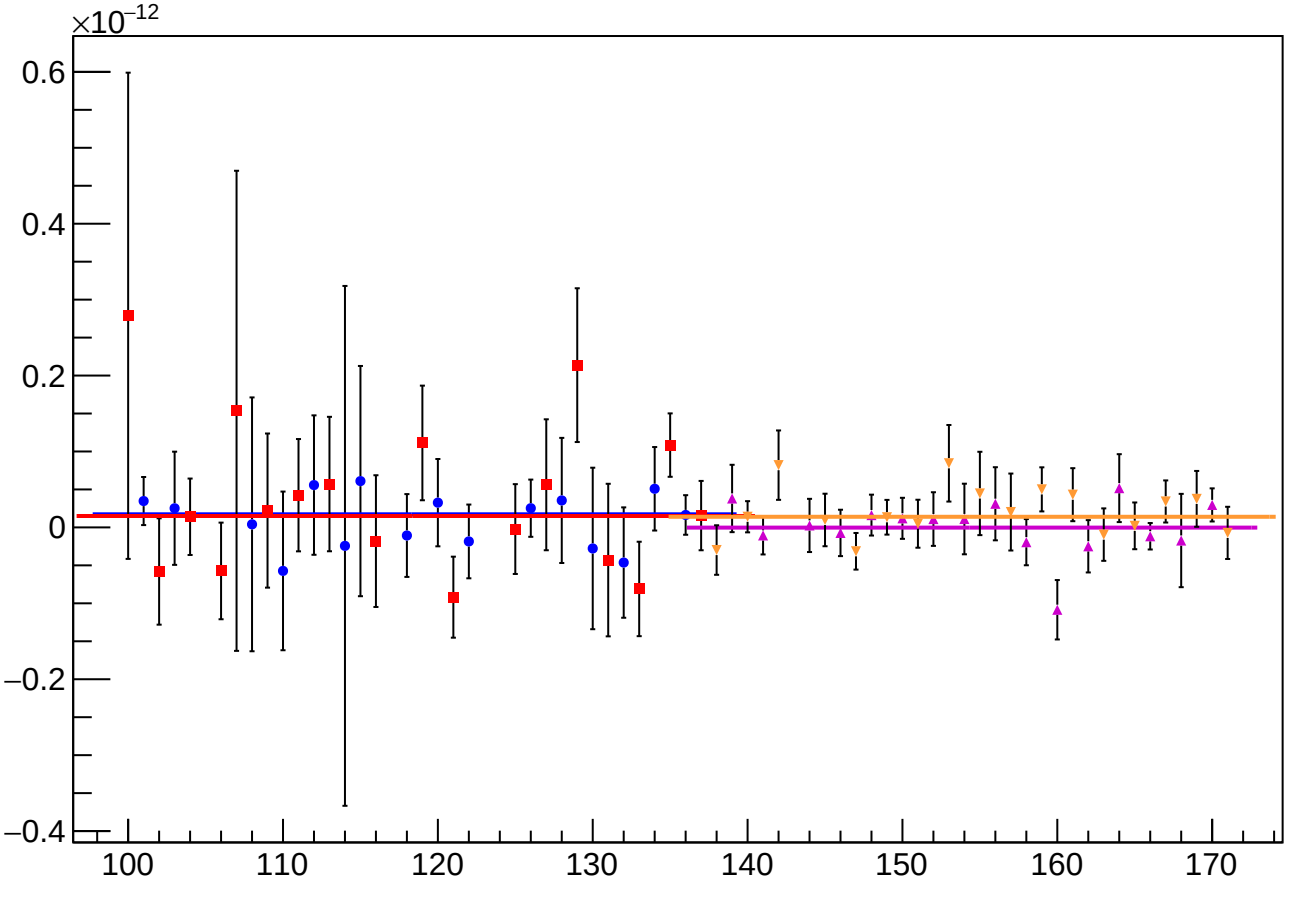
Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1881.175+/-0.369 χ^2/NDF:389237.3/15

+ sign 1708.713+/-0.270 χ^2/NDF: 1032371.2/32

All: 1708.551+/-0.191 χ^2/NDF: 2297009.9/66

- sign 1708.387+/-0.271 χ^2/NDF: 1264638.1/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/16

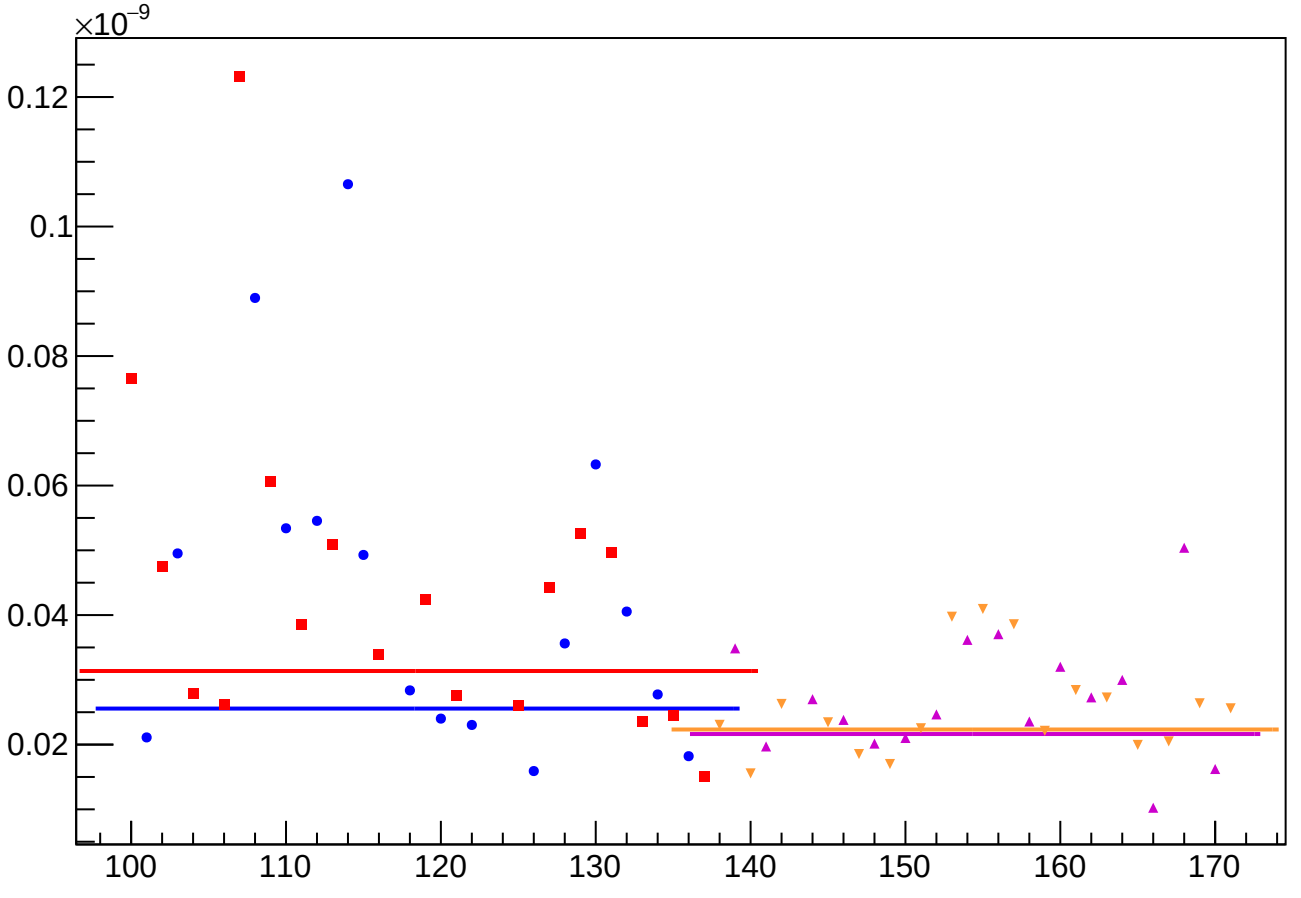
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 17.6/32

All: 0.000+/-0.000 χ^2/NDF: 55.7/66

- sign 0.000+/-0.000 χ^2/NDF: 36.5/33



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

Left Out: 0.000+/-0.000 χ^2/NDF:1232777.7/16

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

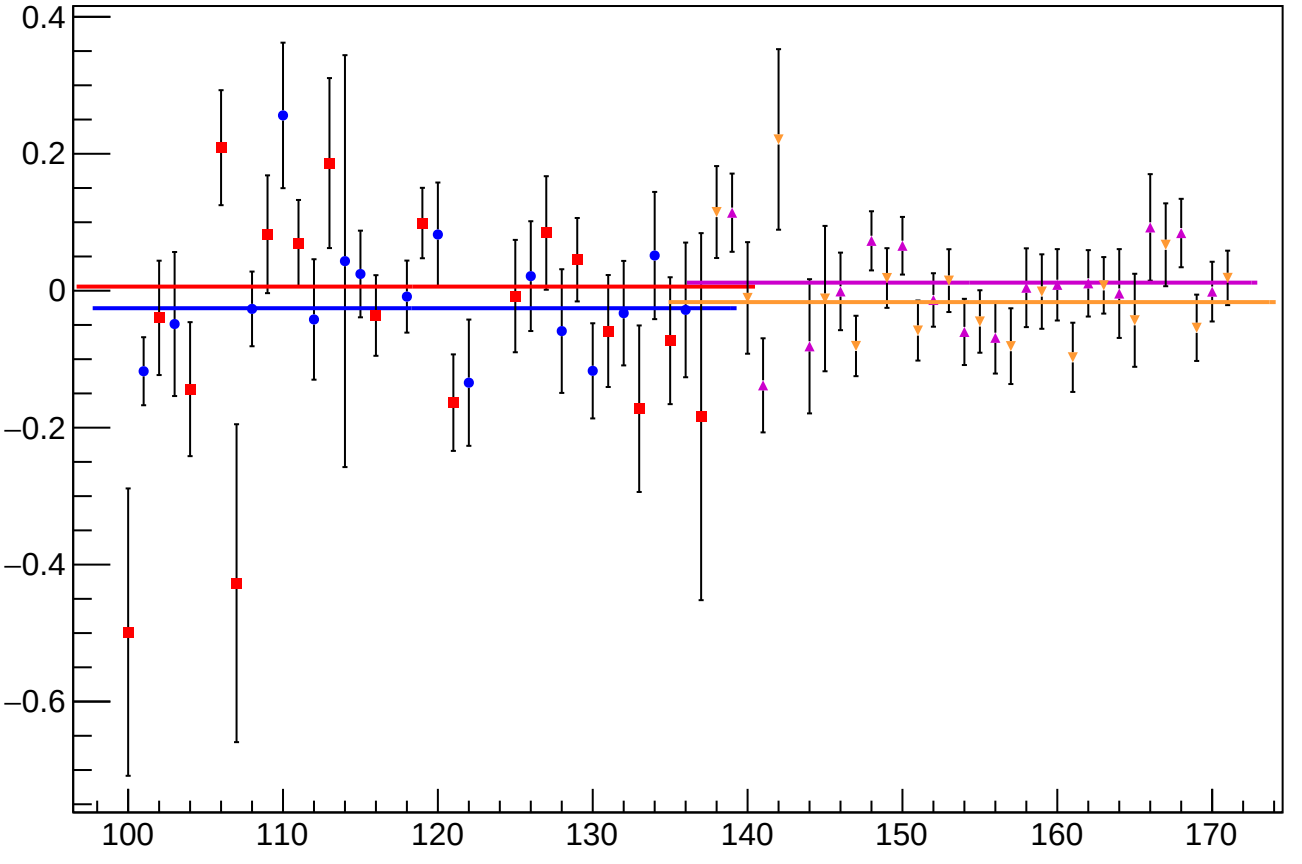
Left In: 0.000+/-0.000 χ^2/NDF:2355660.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 3027194.5/32

All: 0.000+/-0.000 χ^2/NDF: 7210029.9/66

- sign 0.000+/-0.000 χ^2/NDF: 4180803.4/33

asym_usl_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

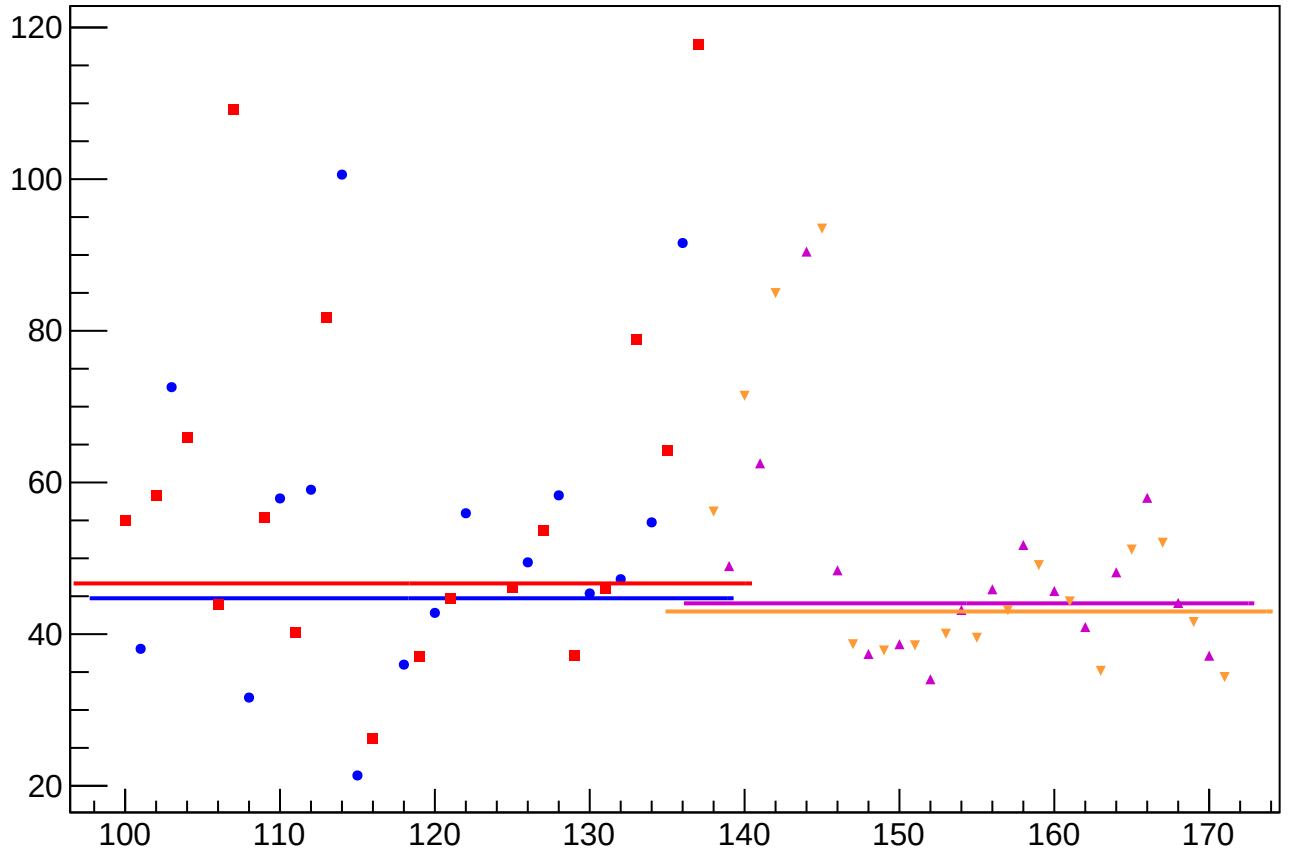
Right Out: 0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.012+/-0.013 χ^2/NDF:20.9/15

+ sign -0.019+/-0.011 χ^2/NDF: 37.2/32

All: -0.005+/-0.008 χ^2/NDF: 98.5/66

- sign 0.010+/-0.011 χ^2/NDF: 57.5/33



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

Left Out: 42.991+/-0.009 χ^2/NDF:1332063.2/16

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

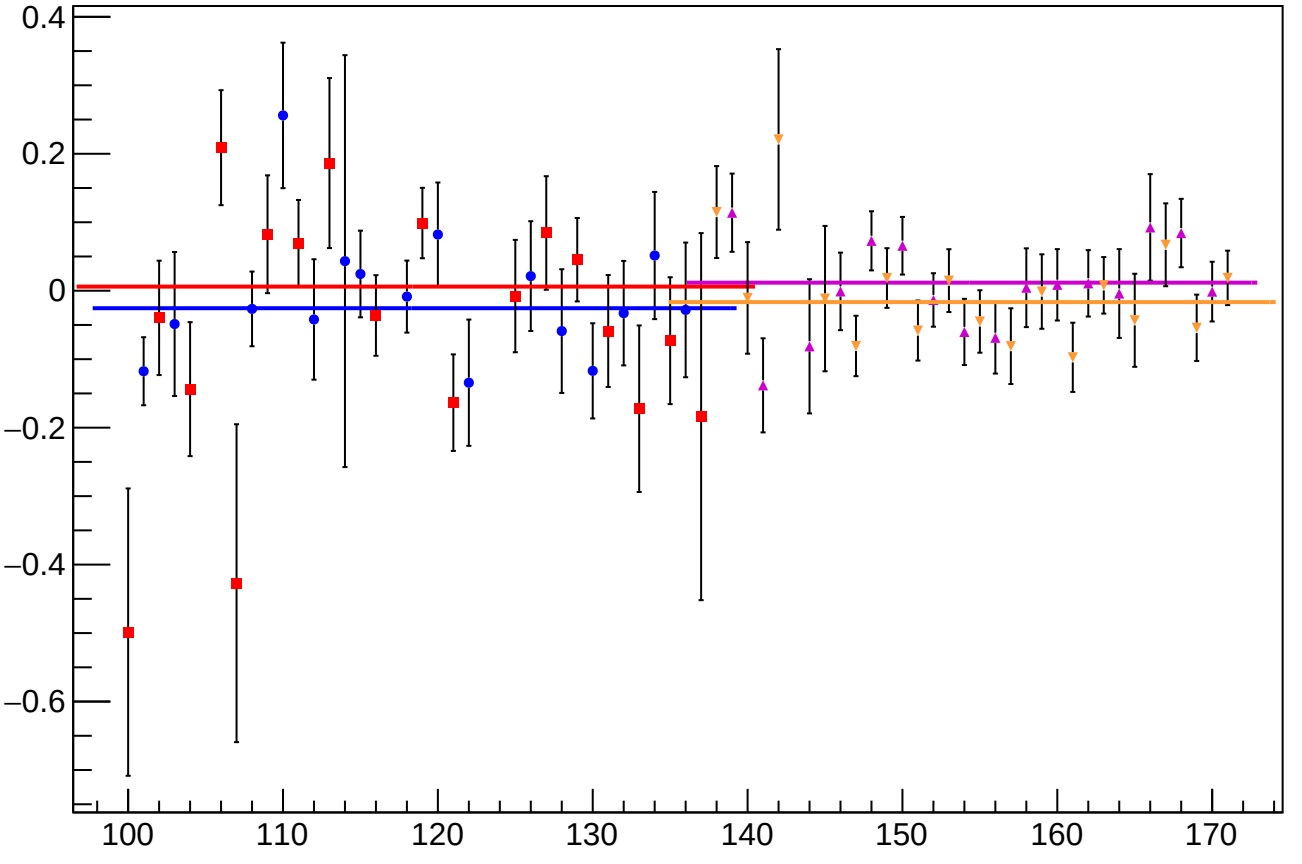
Left In: 44.064+/-0.009 χ^2/NDF:1002391.5/15

+ sign 43.537+/-0.007 χ^2/NDF: 2678437.9/32

All: 44.189+/-0.005 χ^2/NDF: 4917475.5/66

- sign 44.879+/-0.008 χ^2/NDF: 2223165.8/33

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

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

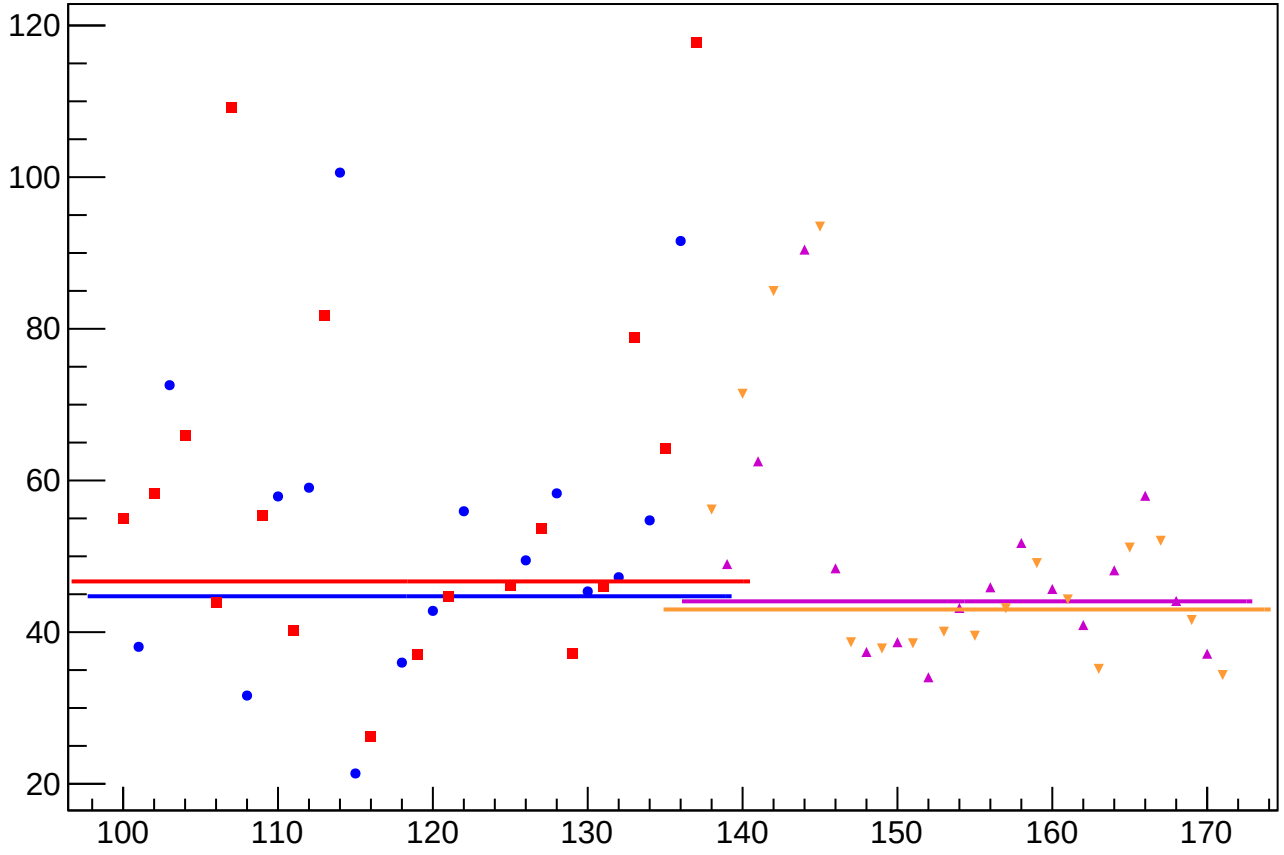
Left In: 0.012+/-0.013 χ^2/NDF:20.9/15

+ sign -0.019+/-0.011 χ^2/NDF: 37.2/32

All: -0.005+/-0.008 χ^2/NDF: 98.5/66

- sign 0.010+/-0.011 χ^2/NDF: 57.5/33

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

Left Out: 42.991+/-0.009 χ^2/NDF:1332063.2/16

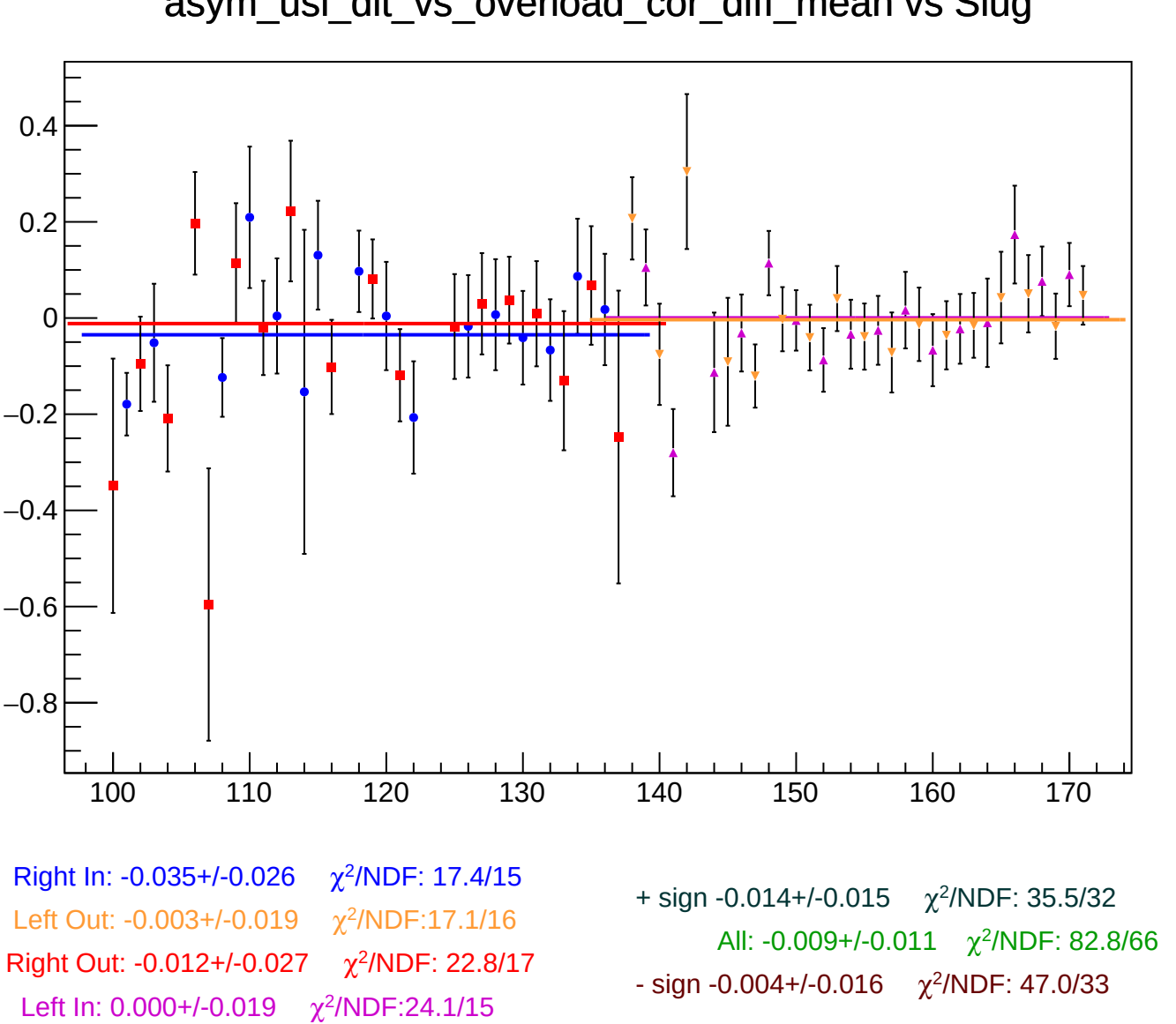
Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.064+/-0.009 χ^2/NDF:1002391.5/15

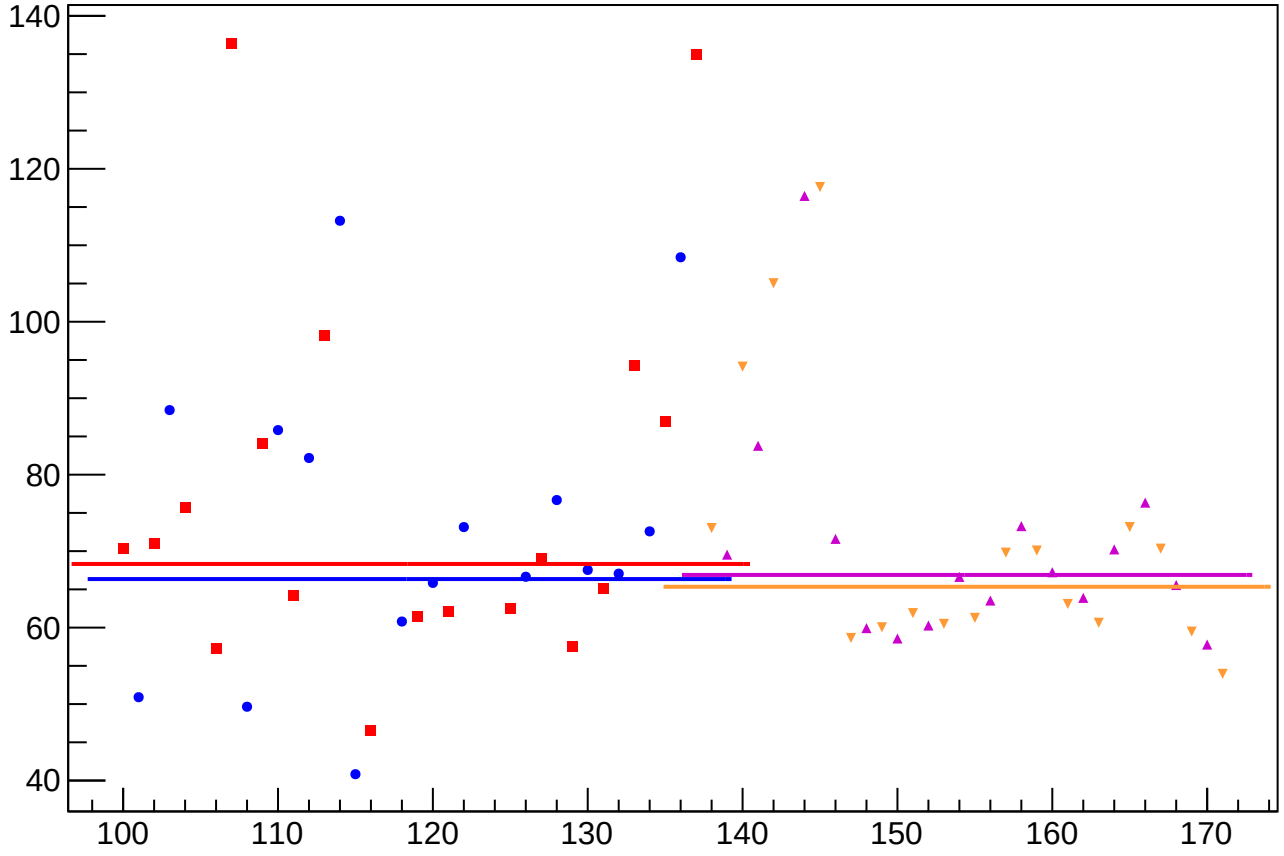
+ sign 43.537+/-0.007 χ^2/NDF: 2678437.9/32

All: 44.189+/-0.005 χ^2/NDF: 4917475.5/66

- sign 44.879+/-0.008 χ^2/NDF: 2223165.8/33


asym_usl_dit_vs_overload_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.003+/-0.019 χ²/NDF:17.1/16
Right Out: -0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.000+/-0.019 χ²/NDF:24.1/15
+ sign -0.014+/-0.015 χ²/NDF: 35.5/32
All: -0.009+/-0.011 χ²/NDF: 82.8/66
- sign -0.004+/-0.016 χ²/NDF: 47.0/33

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

Left Out: 65.340+/-0.013 χ^2/NDF:782602.5/16

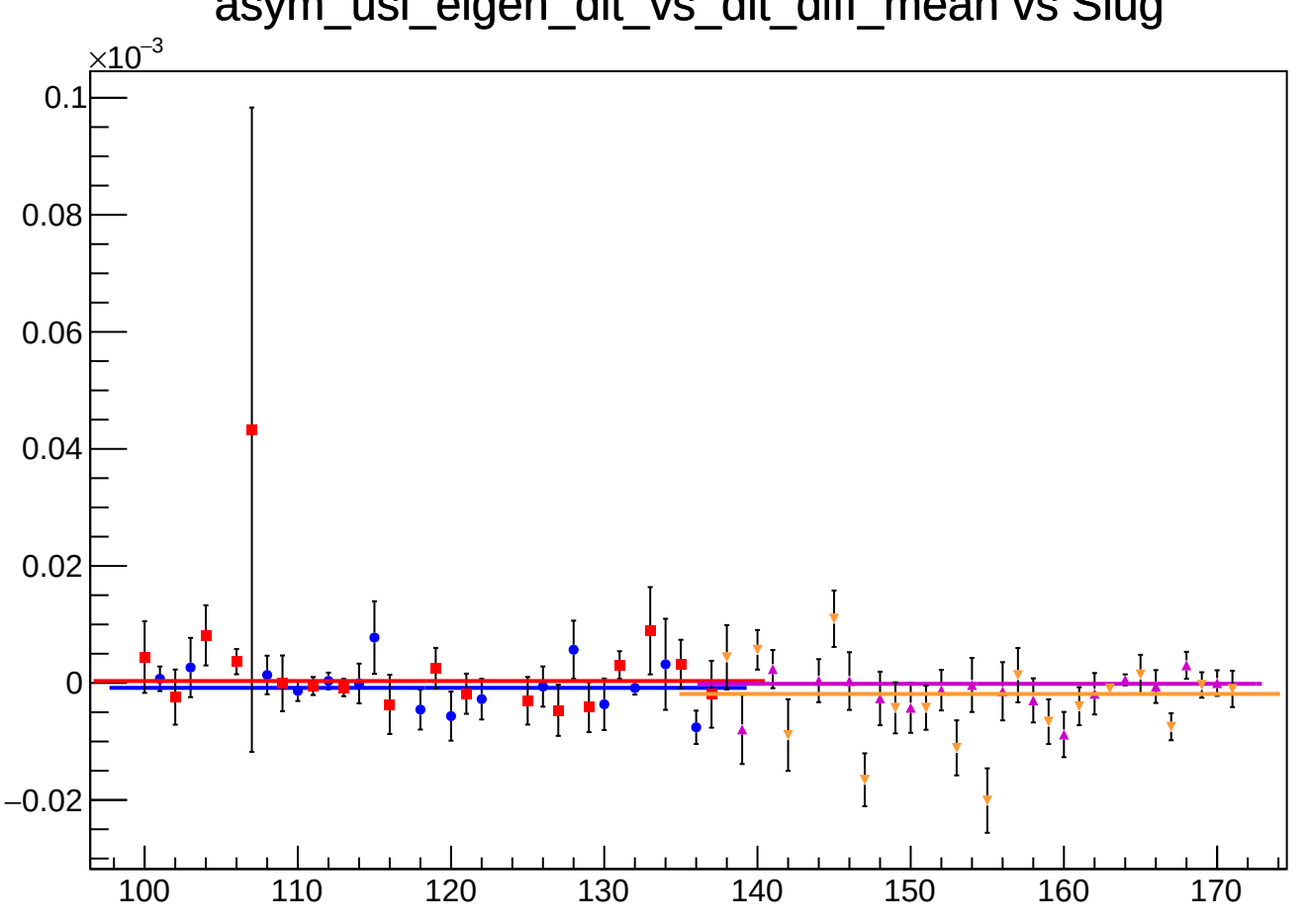
Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 66.890+/-0.013 χ^2/NDF:552875.0/15

+ sign 65.676+/-0.011 χ^2/NDF: 1557220.7/32

All: 66.500+/-0.008 χ^2/NDF: 2755698.7/66

- sign 67.368+/-0.011 χ^2/NDF: 1186323.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/17

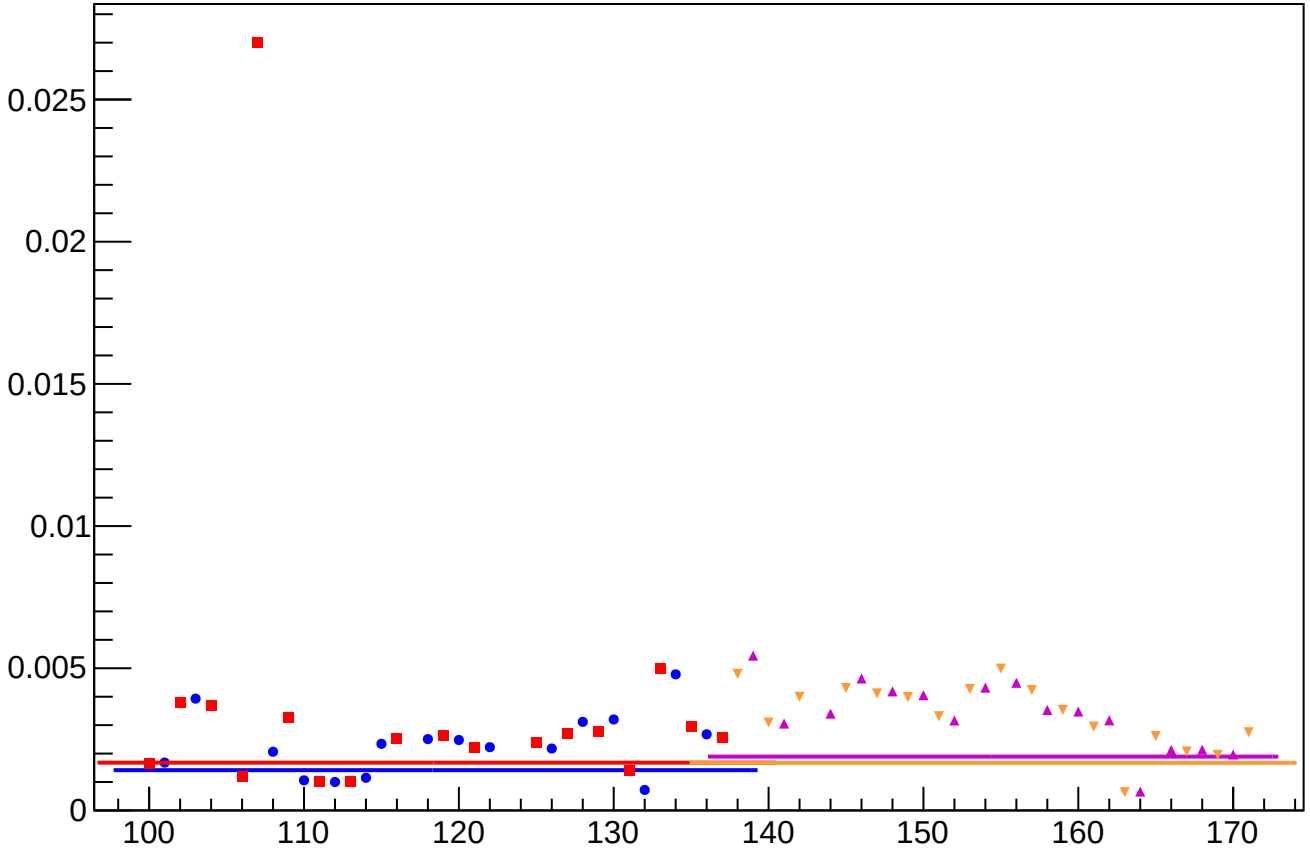
Left In: -0.000+/-0.000 χ^2/NDF:12.0/15

+ sign -0.000+/-0.000 χ^2/NDF: 68.5/32

All: -0.000+/-0.000 χ^2/NDF: 100.6/66

- sign 0.000+/-0.000 χ^2/NDF: 27.0/33

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:10087033.5/16

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

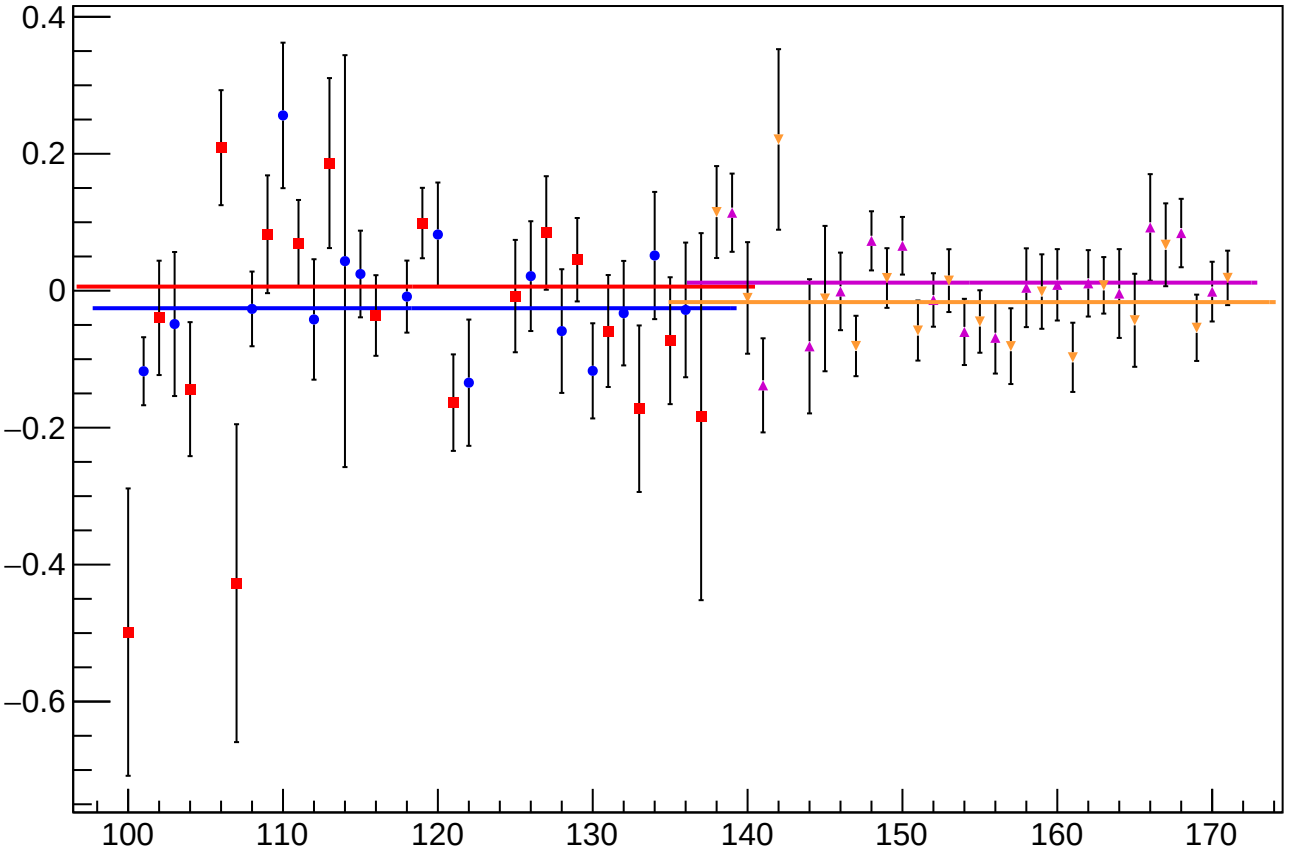
Left In: 0.002+/-0.000 χ^2/NDF:8774636.2/15

+ sign 0.002+/-0.000 χ^2/NDF: 13814826.8/32

All: 0.002+/-0.000 χ^2/NDF: 26409648.5/66

- sign 0.002+/-0.000 χ^2/NDF: 12296967.2/33

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

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

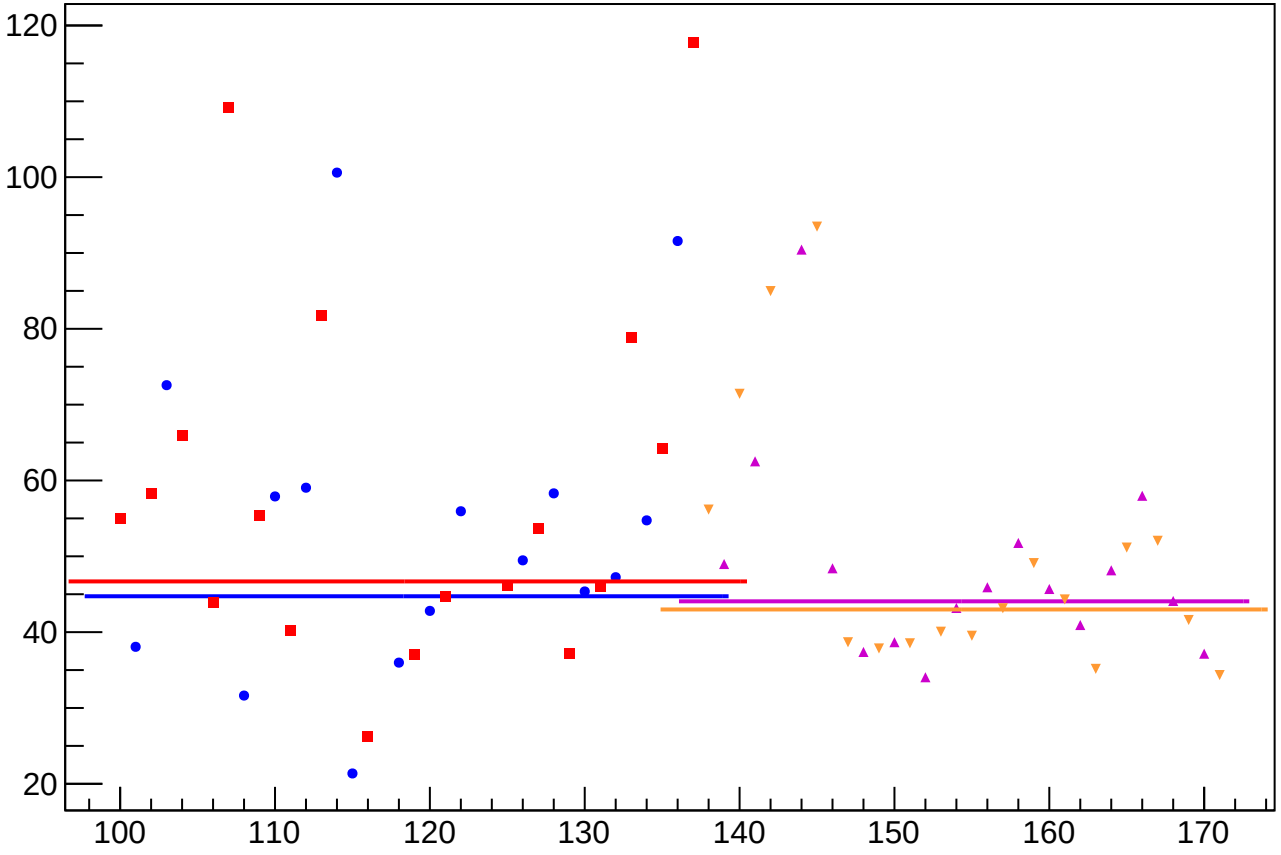
Left In: 0.012+/-0.013 χ^2/NDF:20.9/15

+ sign -0.019+/-0.011 χ^2/NDF: 37.2/32

All: -0.005+/-0.008 χ^2/NDF: 98.5/66

- sign 0.010+/-0.011 χ^2/NDF: 57.5/33

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.991+/-0.009 χ^2/NDF:1332033.4/16

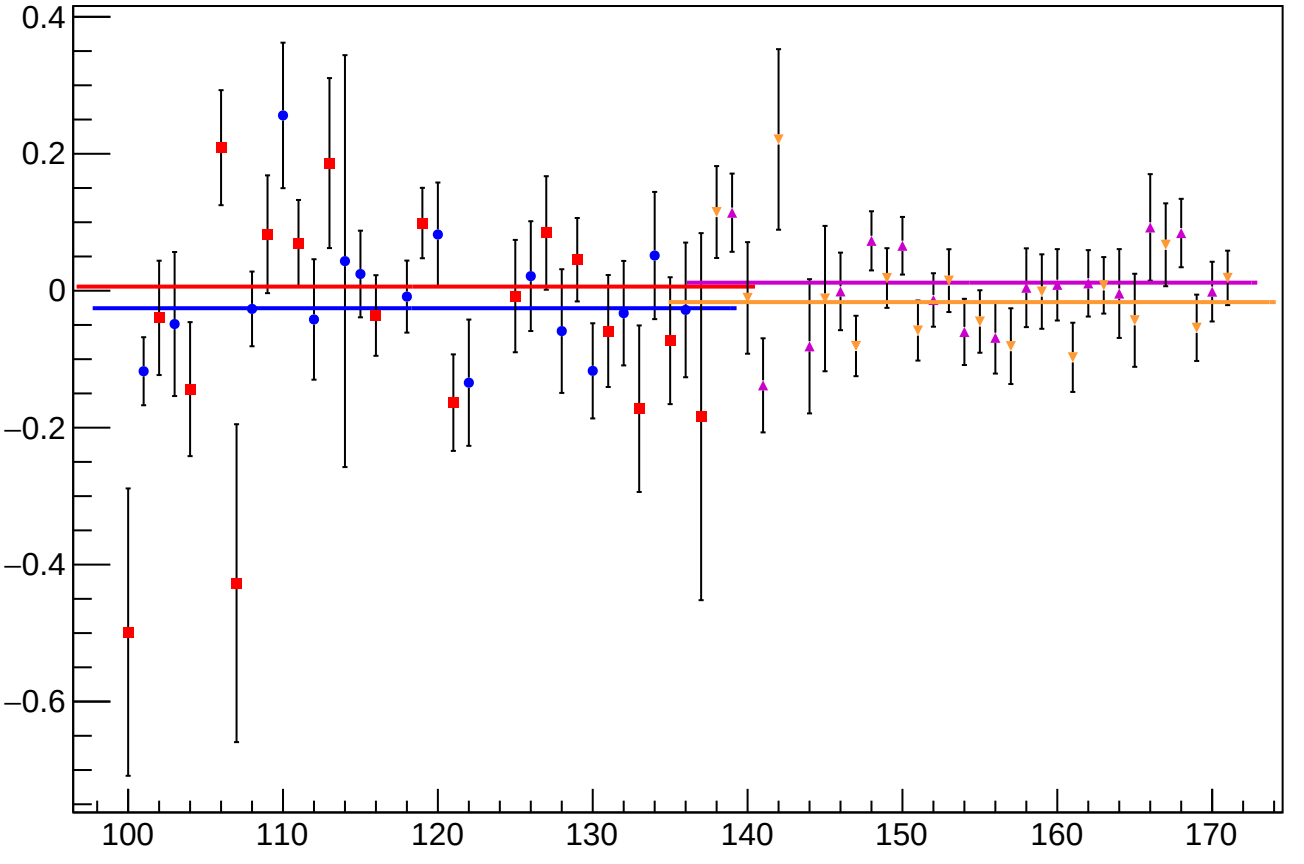
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.064+/-0.009 χ^2/NDF:1002372.0/15

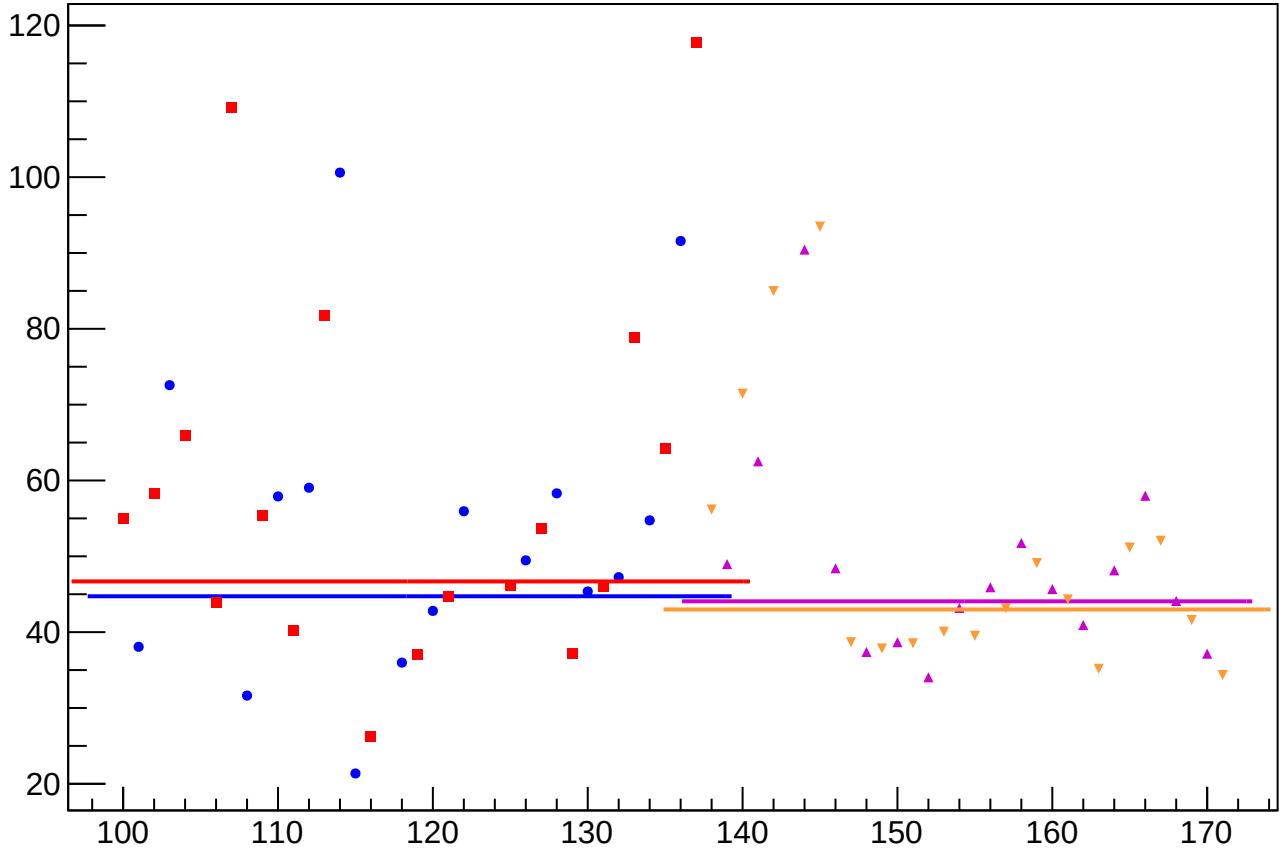
+ sign 43.537+/-0.007 χ^2/NDF: 2678455.3/32

All: 44.189+/-0.005 χ^2/NDF: 4917492.1/66

- sign 44.879+/-0.008 χ^2/NDF: 2223164.9/33


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.017+/-0.013 χ²/NDF:19.4/16
Right Out: 0.006+/-0.019 χ²/NDF: 36.5/17
Left In: 0.012+/-0.013 χ²/NDF:20.9/15
+ sign -0.019+/-0.011 χ²/NDF: 37.2/32
All: -0.005+/-0.008 χ²/NDF: 98.5/66
- sign 0.010+/-0.011 χ²/NDF: 57.5/33

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: 42.991+/-0.009 χ^2/NDF:1332033.4/16

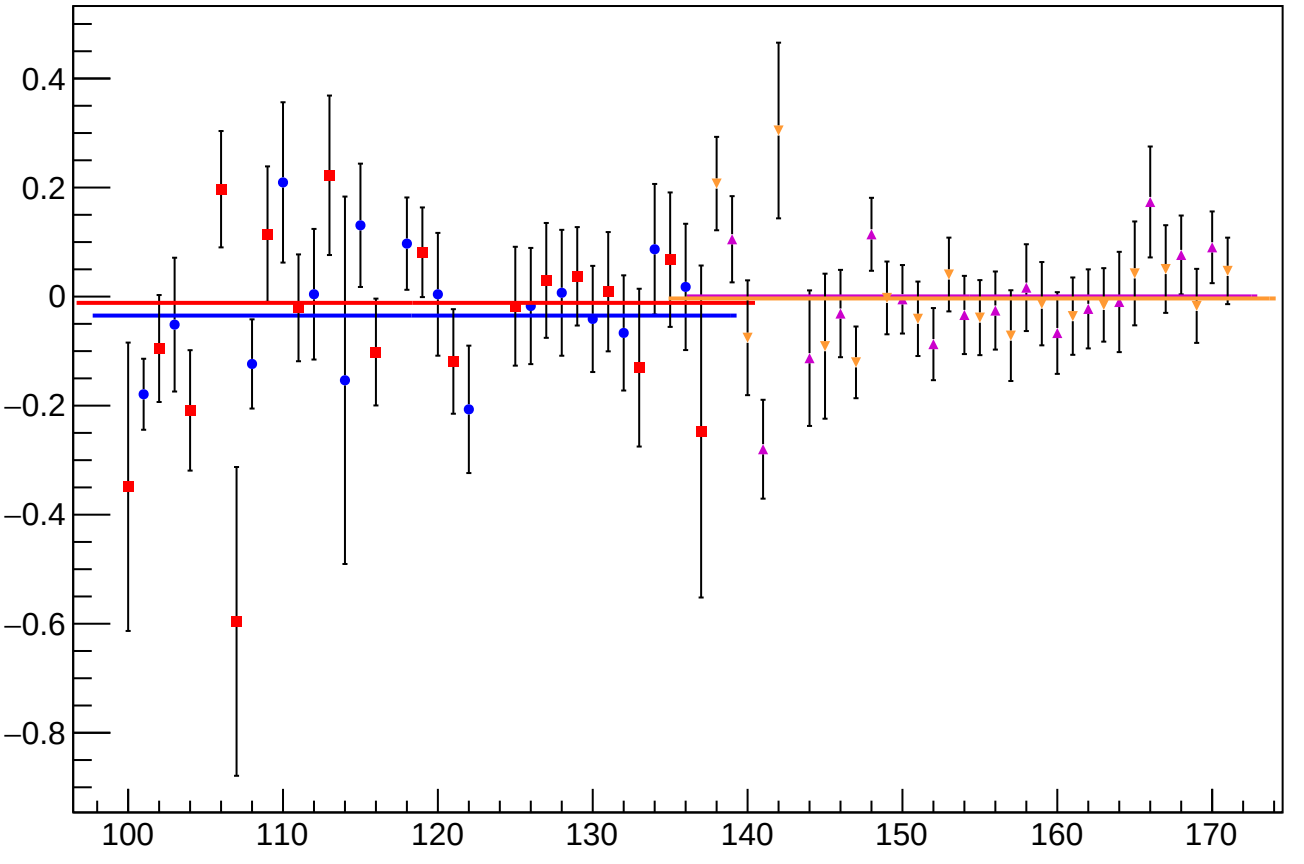
Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.064+/-0.009 χ^2/NDF:1002372.0/15

\+ sign 43.537+/-0.007 χ^2/NDF: 2678455.3/32

All: 44.189+/-0.005 χ^2/NDF: 4917492.1/66

\- sign 44.879+/-0.008 χ^2/NDF: 2223164.9/33



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

Left Out: -0.003+/-0.019 χ^2/NDF:17.1/16

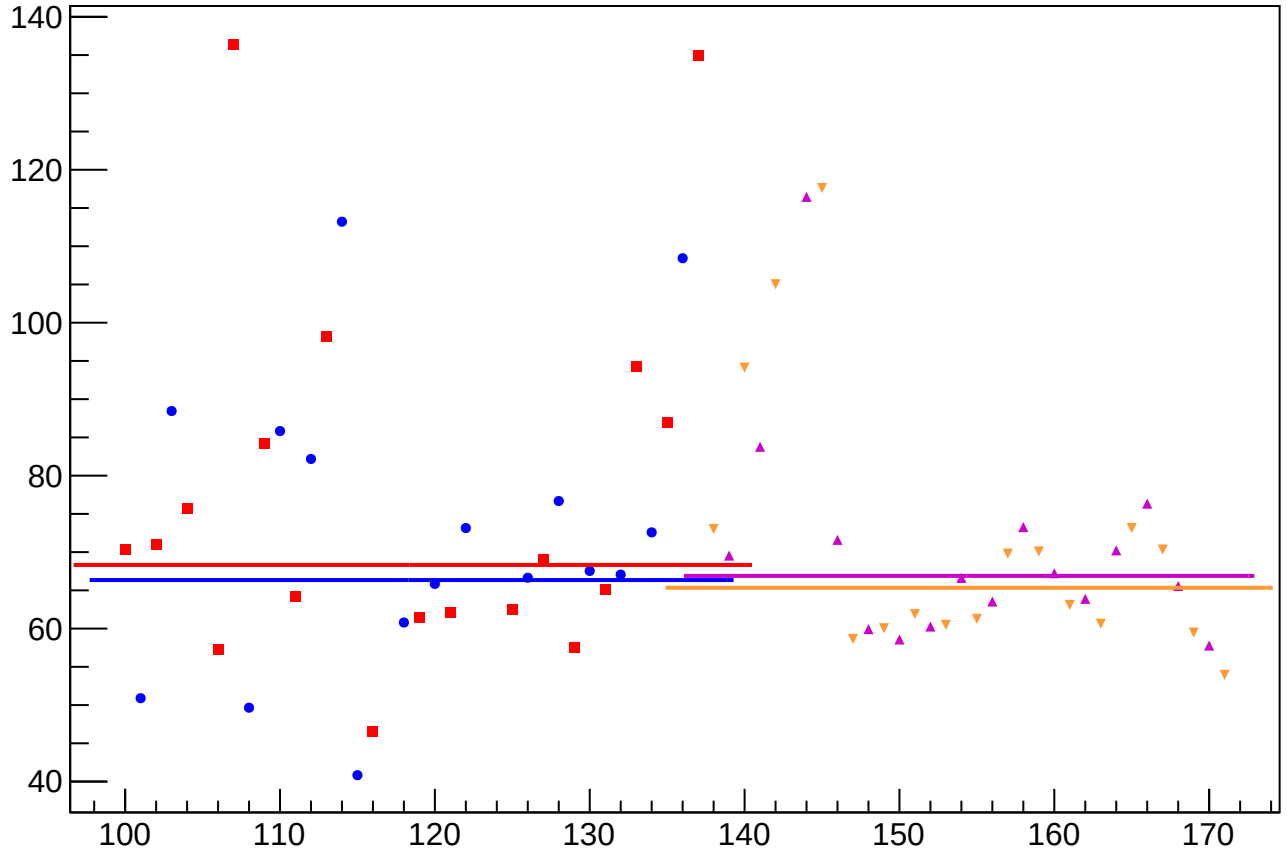
Right Out: -0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.000+/-0.019 χ^2/NDF:24.1/15

+ sign -0.014+/-0.015 χ^2/NDF: 35.5/32

All: -0.009+/-0.011 χ^2/NDF: 82.8/66

- sign -0.004+/-0.016 χ^2/NDF: 47.0/33



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.340+/-0.013 χ^2/NDF:782590.4/16

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

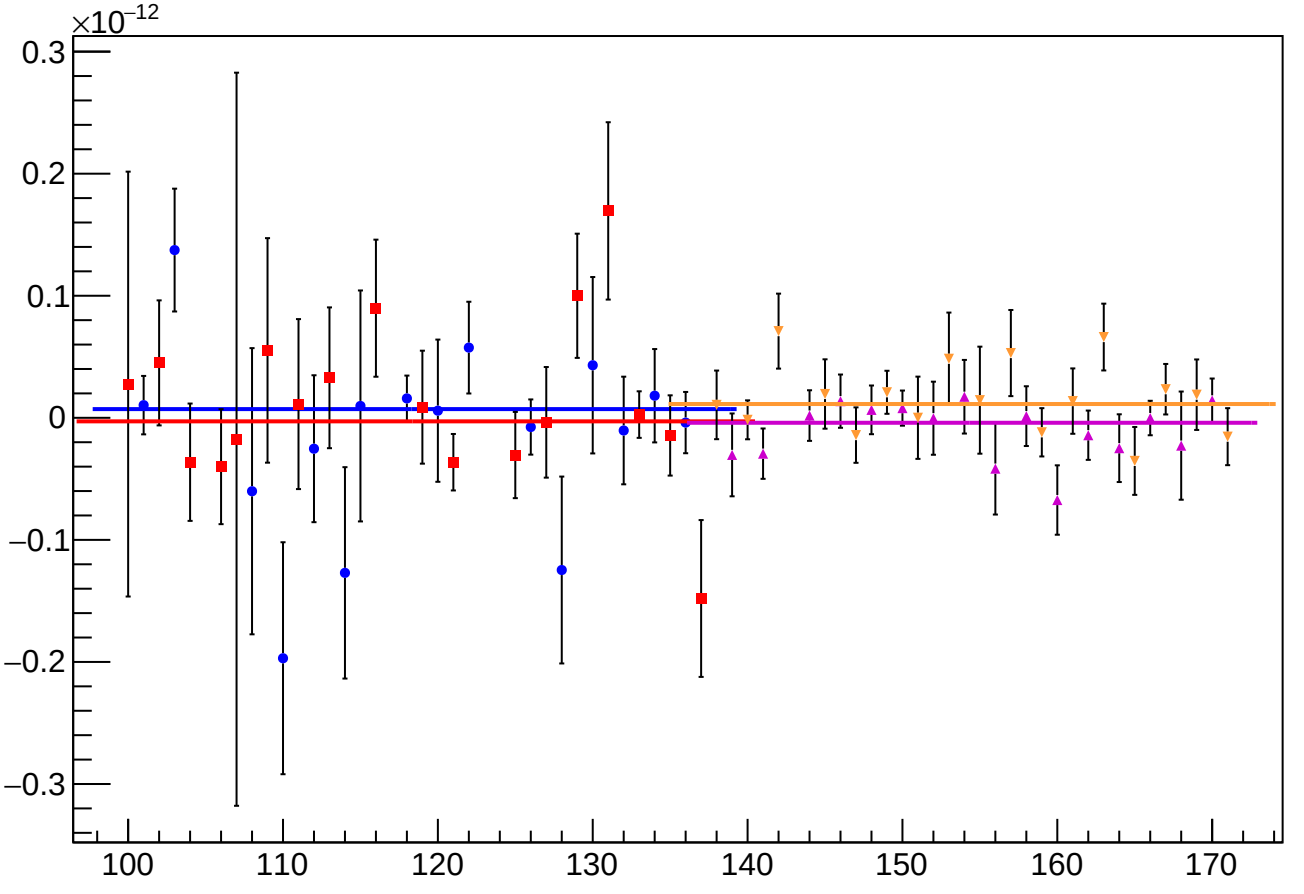
Left In: 66.890+/-0.013 χ^2/NDF:552866.9/15

+ sign 65.676+/-0.011 χ^2/NDF: 1557213.4/32

All: 66.500+/-0.008 χ^2/NDF: 2755674.0/66

- sign 67.367+/-0.011 χ^2/NDF: 1186306.5/33

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:18.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/17

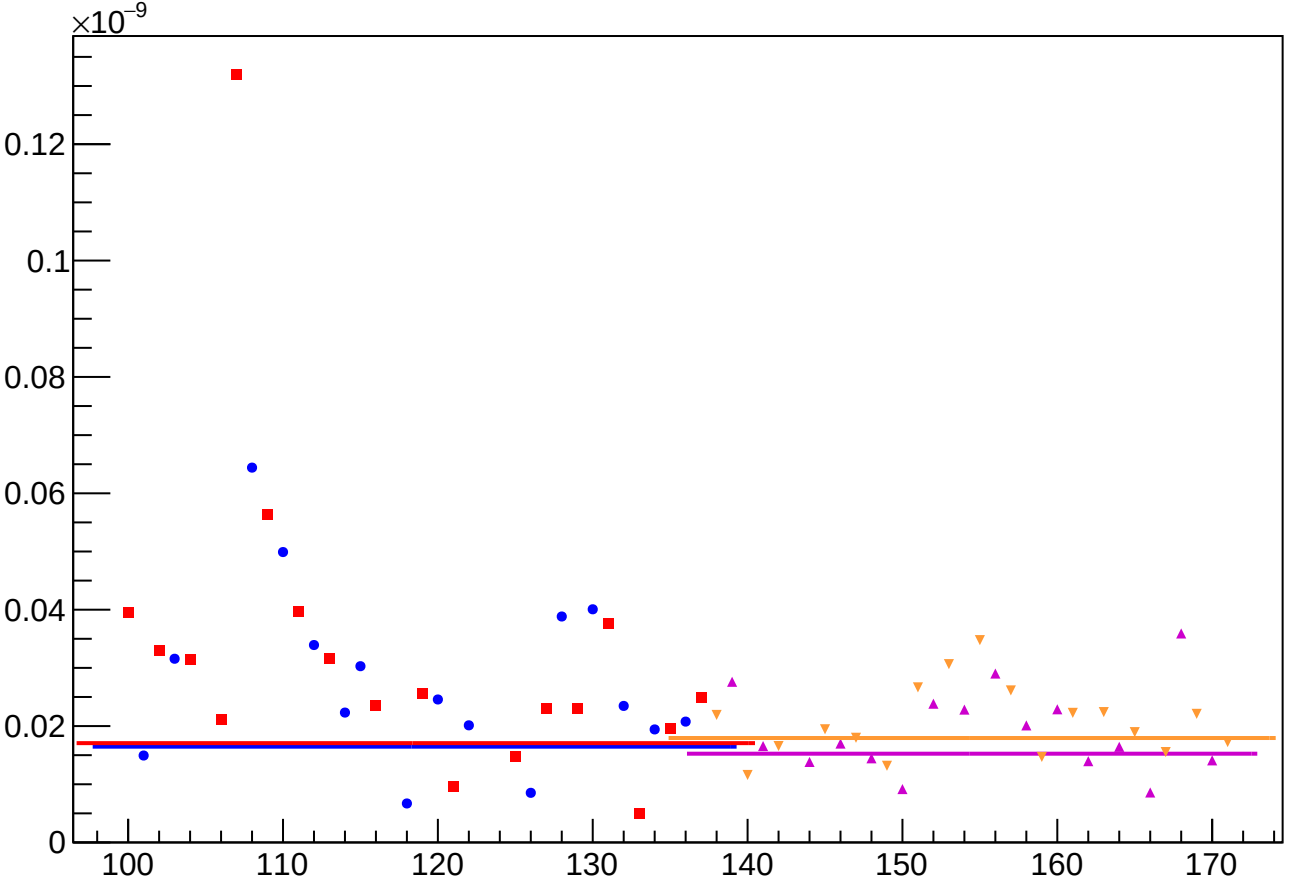
Left In: -0.000+/-0.000 χ^2/NDF:12.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/32

All: 0.000+/-0.000 χ^2/NDF: 78.9/66

- sign -0.000+/-0.000 χ^2/NDF: 35.8/33

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505758.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

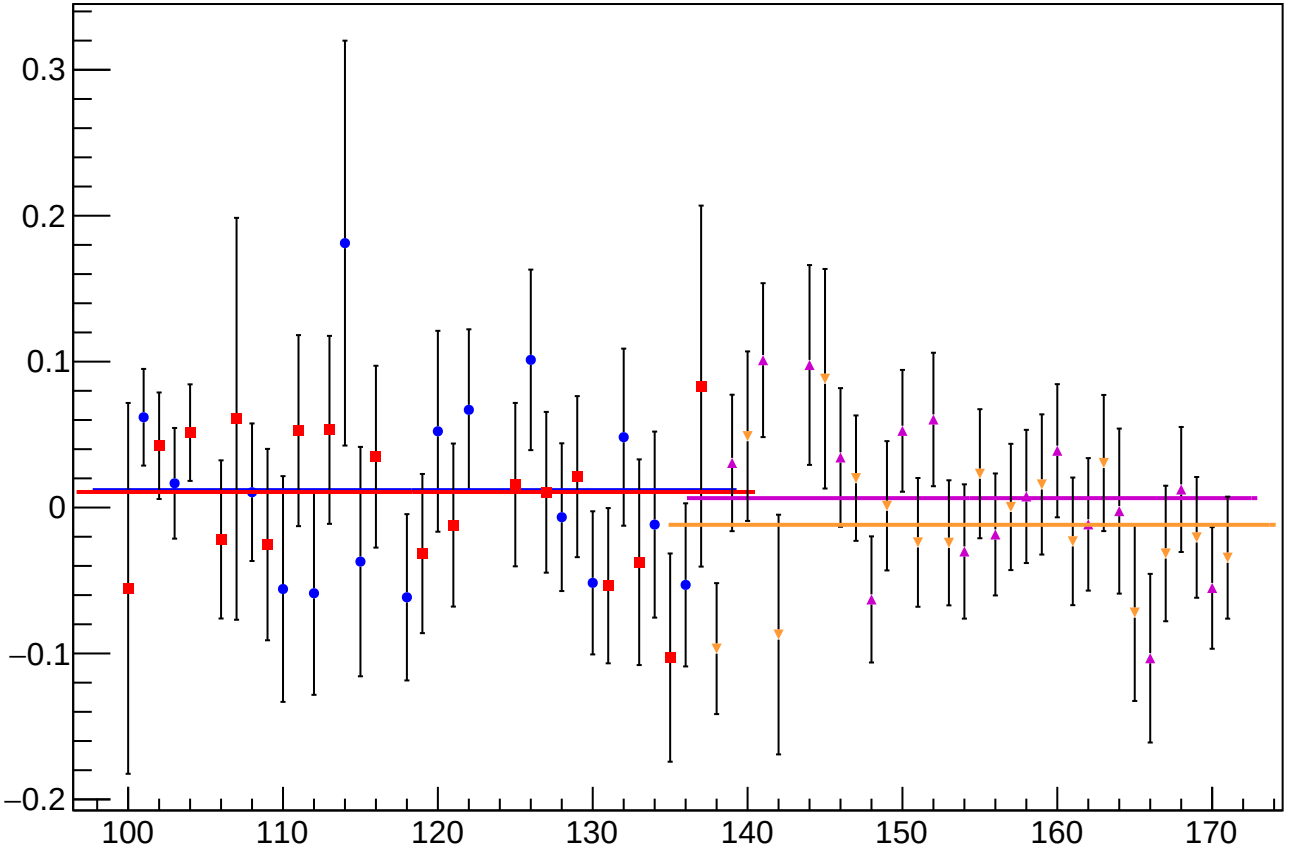
Left In: 0.000+/-0.000 χ^2/NDF:2338217.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 3888196.4/32

All: 0.000+/-0.000 χ^2/NDF: 9206429.1/66

- sign 0.000+/-0.000 χ^2/NDF: 5181683.7/33

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.011 χ^2/NDF:11.5/16

Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

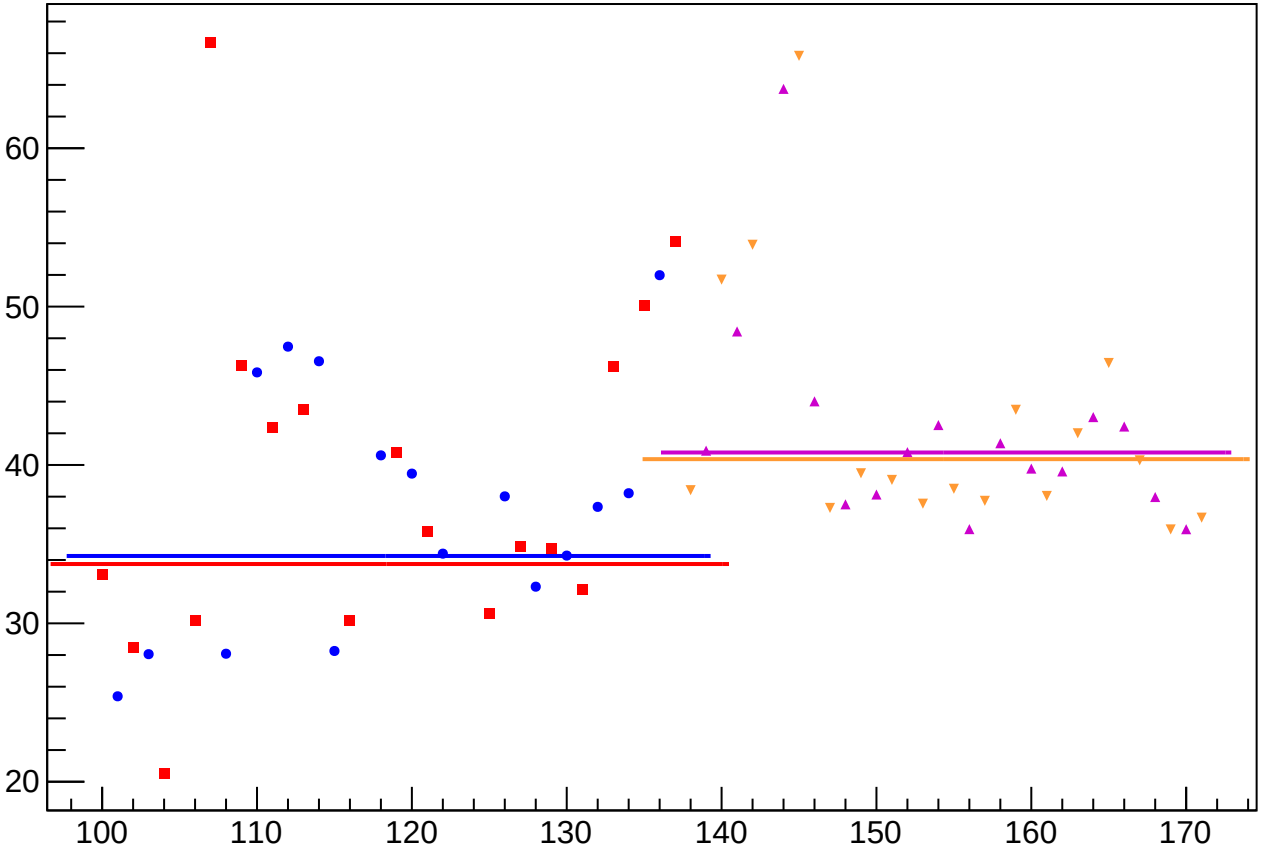
Left In: 0.006+/-0.012 χ^2/NDF:18.3/15

+ sign -0.002+/-0.009 χ^2/NDF: 28.0/32

All: 0.003+/-0.006 χ^2/NDF: 56.9/66

- sign 0.008+/-0.009 χ^2/NDF: 28.3/33

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.368+/-0.008 χ^2/NDF:471151.0/16

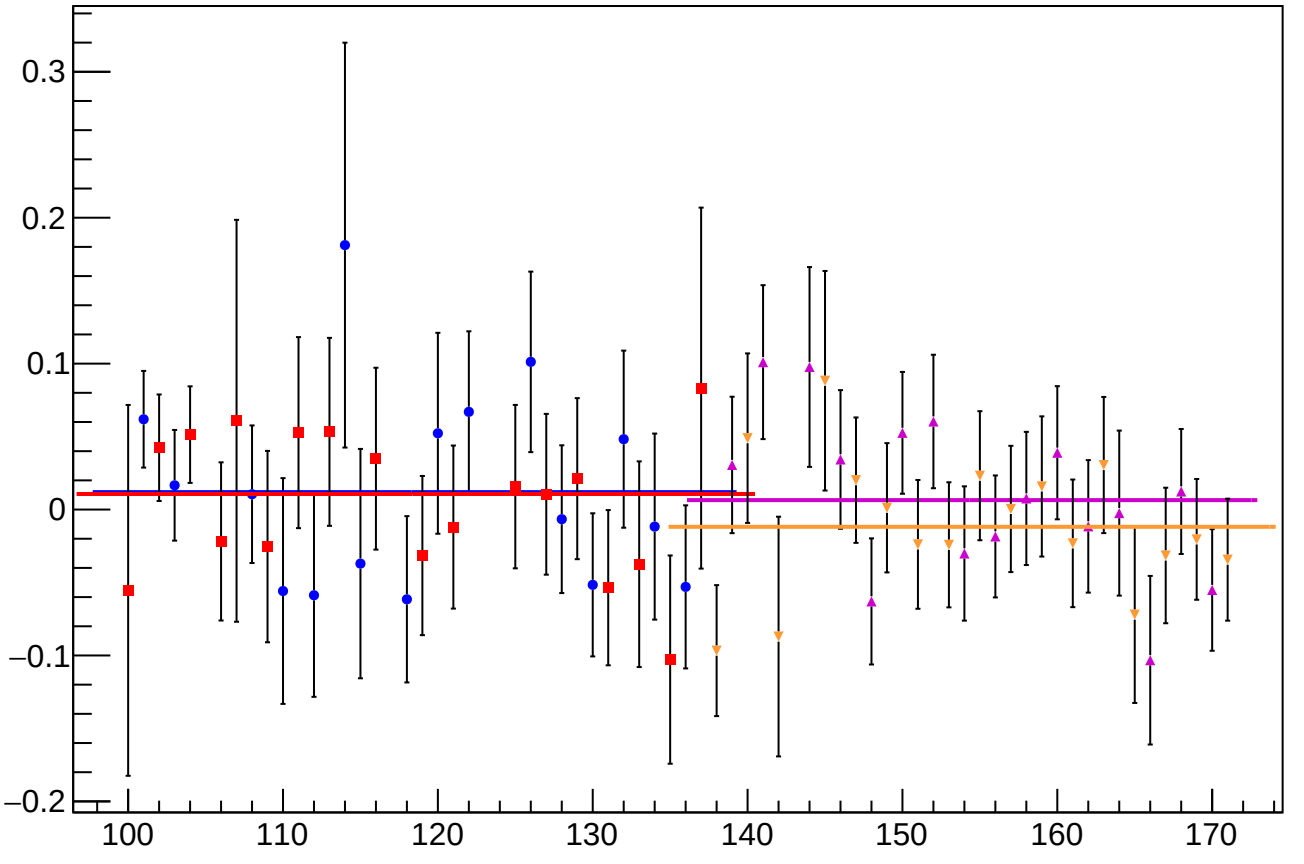
Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.788+/-0.008 χ^2/NDF:368422.4/15

+ sign 37.826+/-0.006 χ^2/NDF: 1342789.0/32

All: 37.787+/-0.004 χ^2/NDF: 2935117.0/66

- sign 37.748+/-0.006 χ^2/NDF: 1592249.7/33



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.011 χ^2/NDF:11.5/16

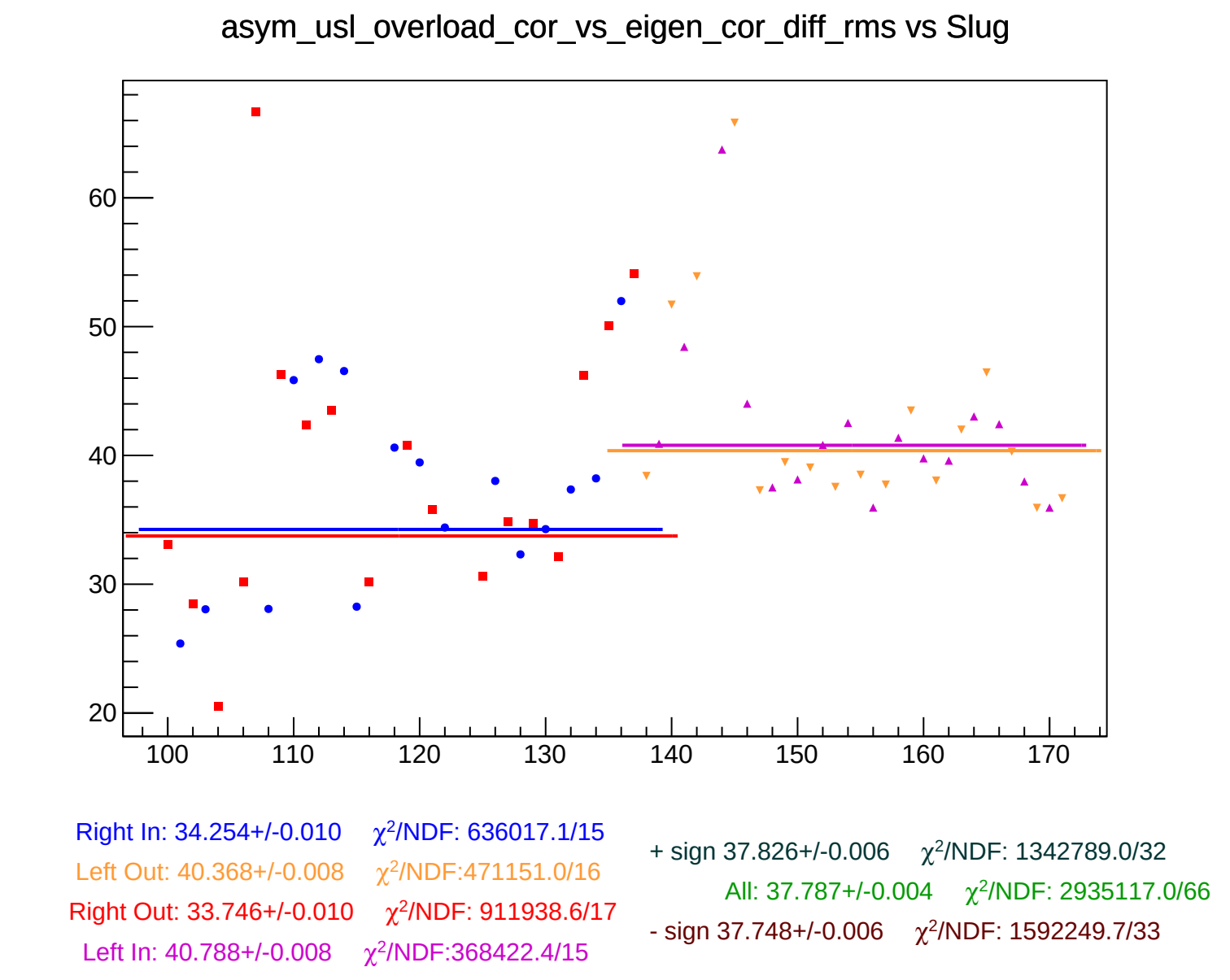
Right Out: 0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: 0.006+/-0.012 χ^2/NDF:18.3/15

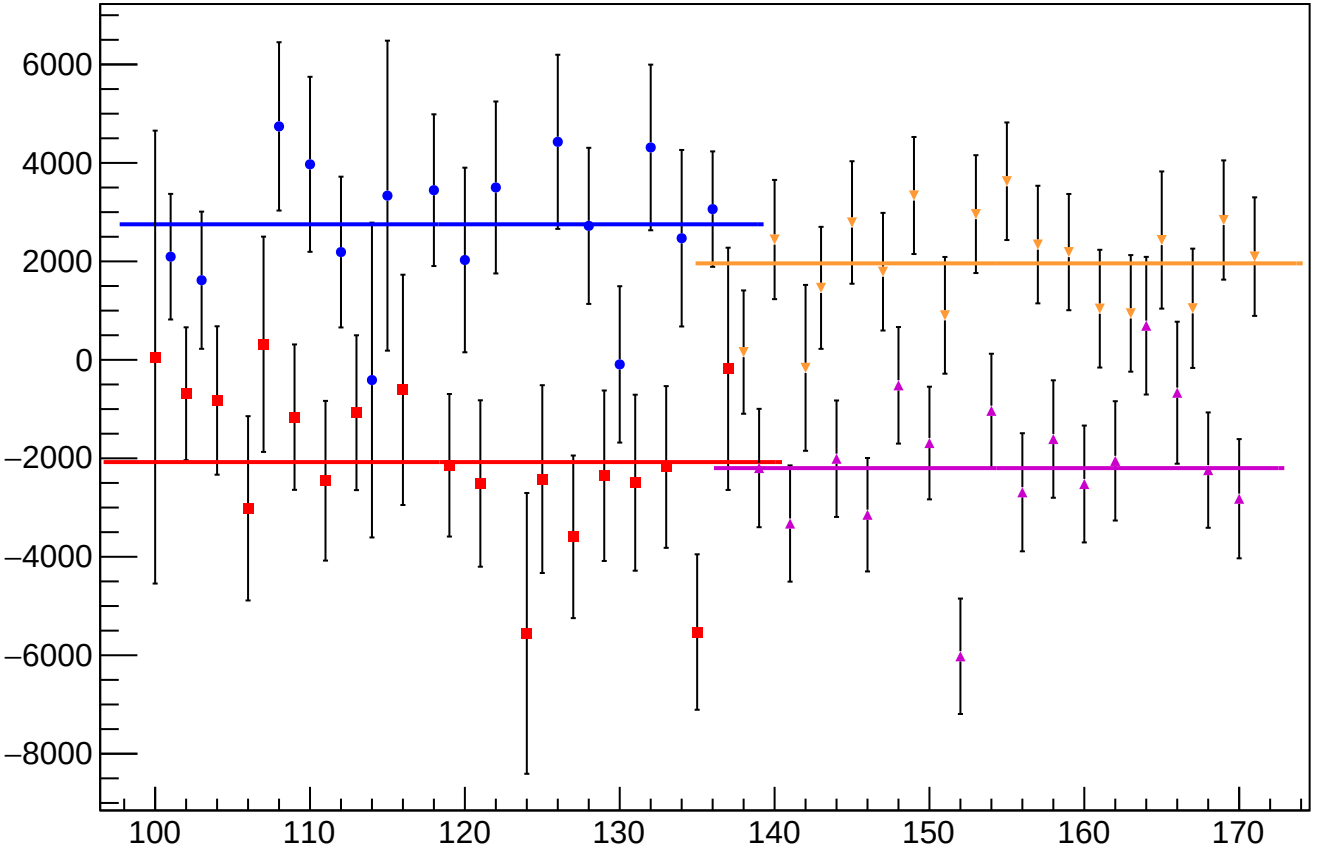
+ sign -0.002+/-0.009 χ^2/NDF: 28.0/32

All: 0.003+/-0.006 χ^2/NDF: 56.9/66

- sign 0.008+/-0.009 χ^2/NDF: 28.3/33


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.368+/-0.008 χ²/NDF:471151.0/16
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.788+/-0.008 χ²/NDF:368422.4/15
+ sign 37.826+/-0.006 χ²/NDF: 1342789.0/32
All: 37.787+/-0.004 χ²/NDF: 2935117.0/66
- sign 37.748+/-0.006 χ²/NDF: 1592249.7/33

reg_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

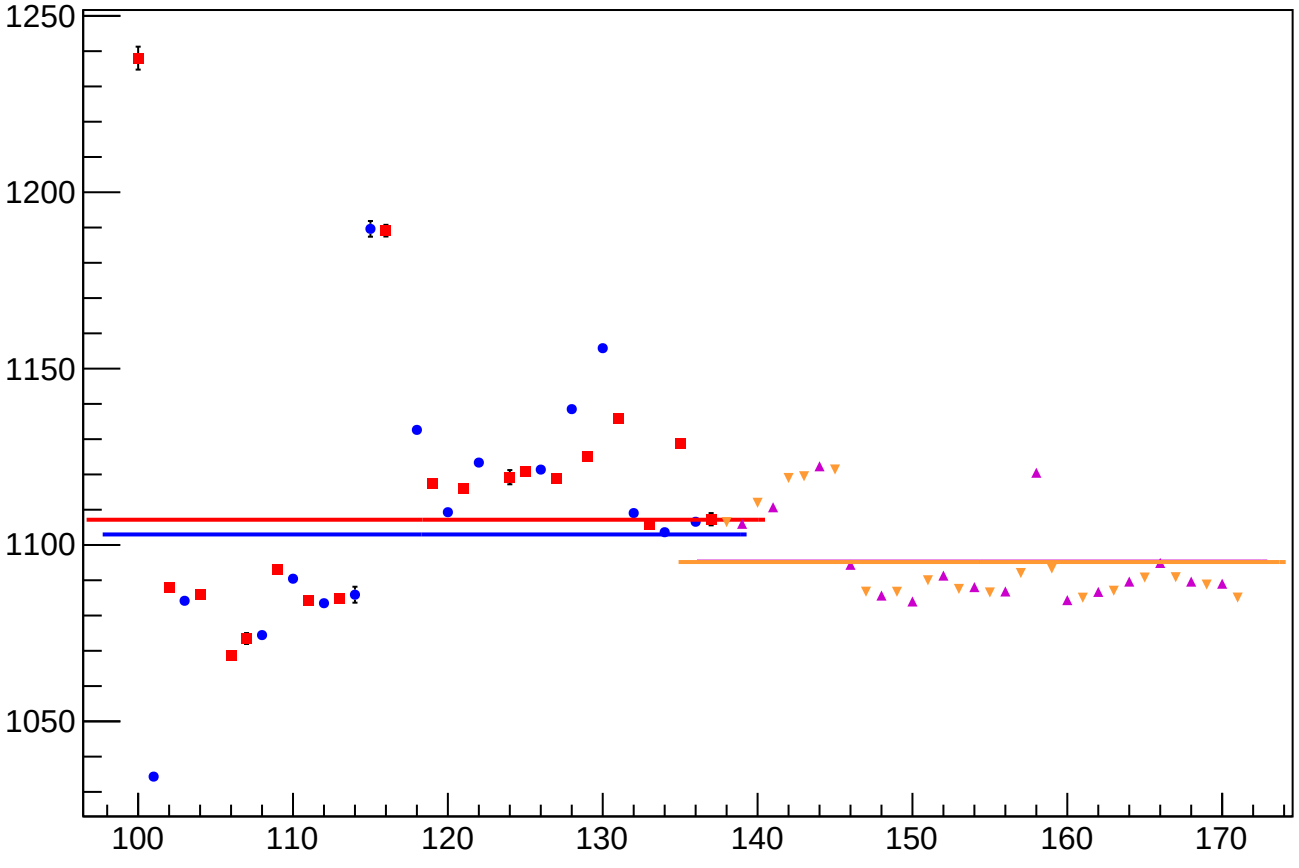
Left In: -2198.880+/-301.238 χ^2/NDF:21.6/15

+ sign 2224.554+/-236.746 χ^2/NDF: 23.9/33

All: 77.808+/-169.044 χ^2/NDF: 225.9/68

- sign -2155.113+/-241.451 χ^2/NDF: 34.2/34

reg_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

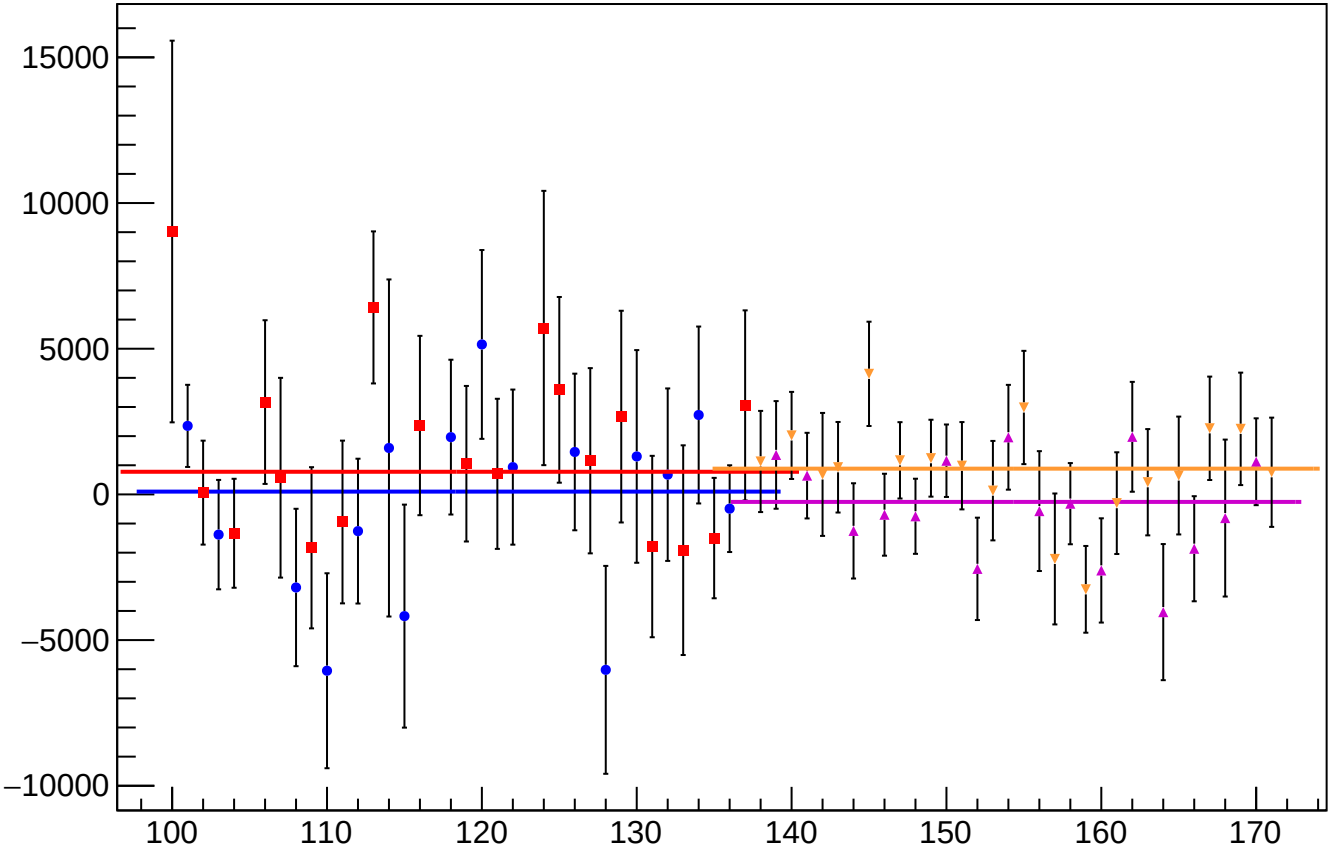
Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

+ sign 1097.777+/-0.167 χ^2/NDF: 17236.6/33

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68

- sign 1099.539+/-0.171 χ^2/NDF: 13160.2/34

asym_usr_reg_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 883.698+/-397.341 χ^2/NDF:16.7/17

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

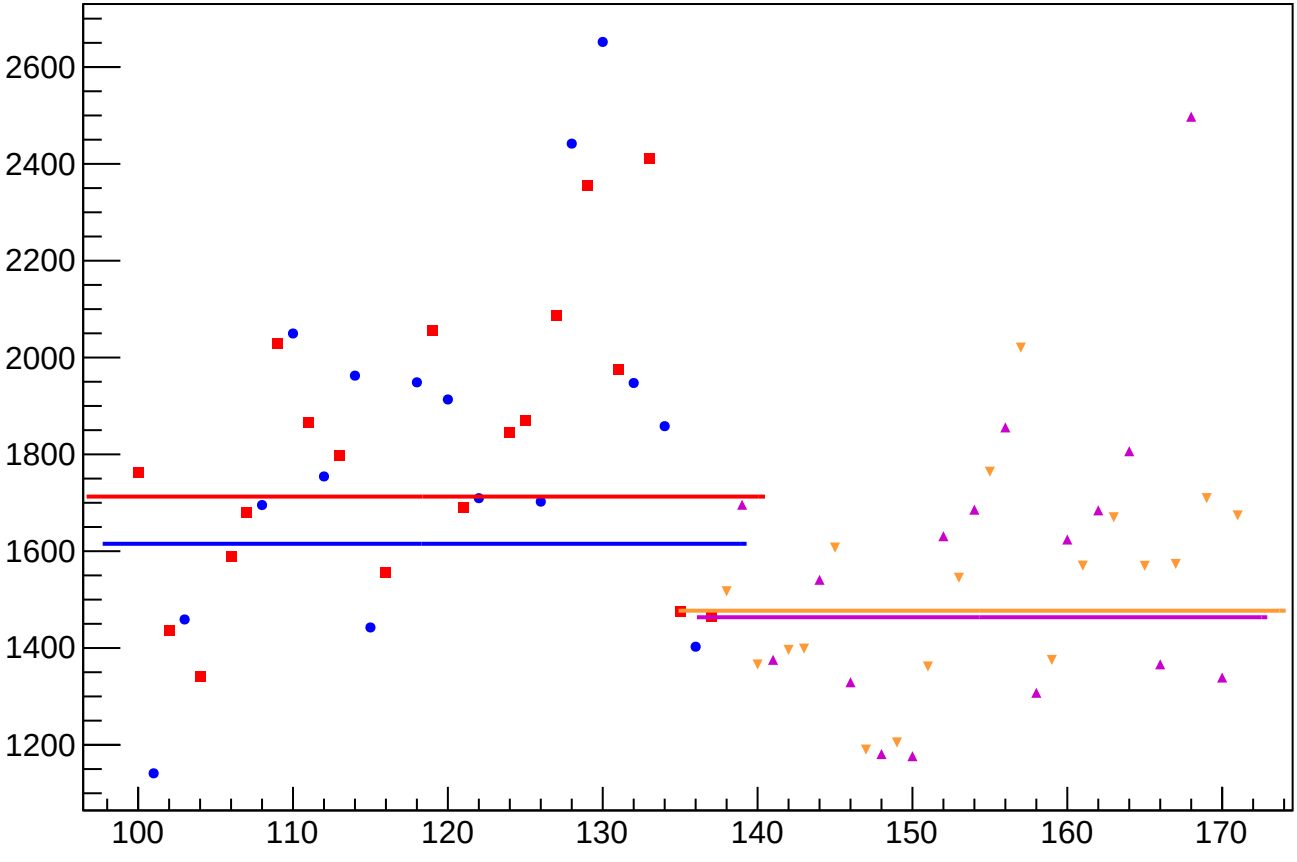
Left In: -257.666+/-410.230 χ^2/NDF:13.7/15

+ sign 653.352+/-334.236 χ^2/NDF: 34.8/33

All: 359.045+/-240.019 χ^2/NDF: 67.1/68

- sign 45.674+/-344.891 χ^2/NDF: 30.7/34

asym_usr_reg_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

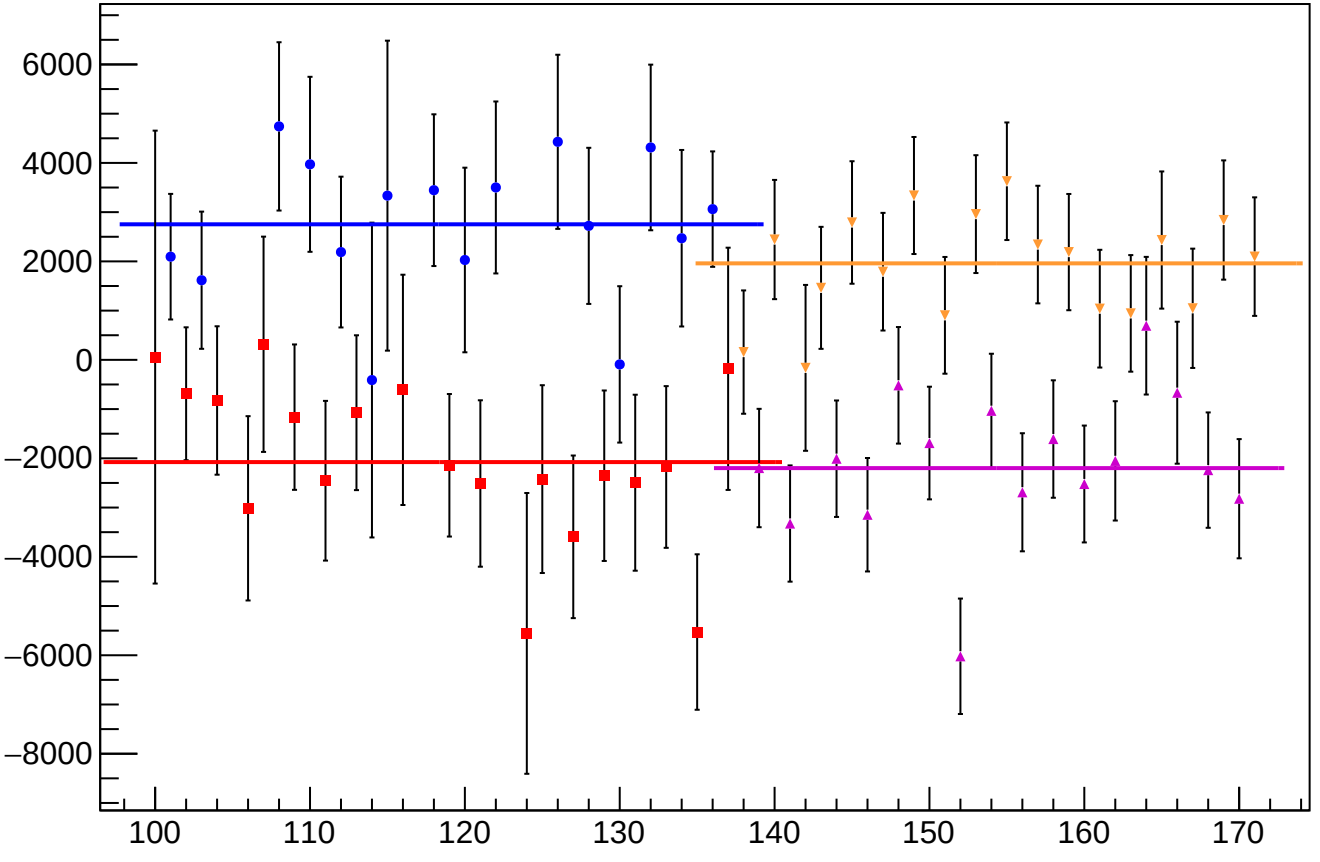
Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

+ sign 1517.520+/-0.236 χ^2/NDF: 1250437.5/33

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68

- sign 1536.635+/-0.244 χ^2/NDF: 1456235.4/34

cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

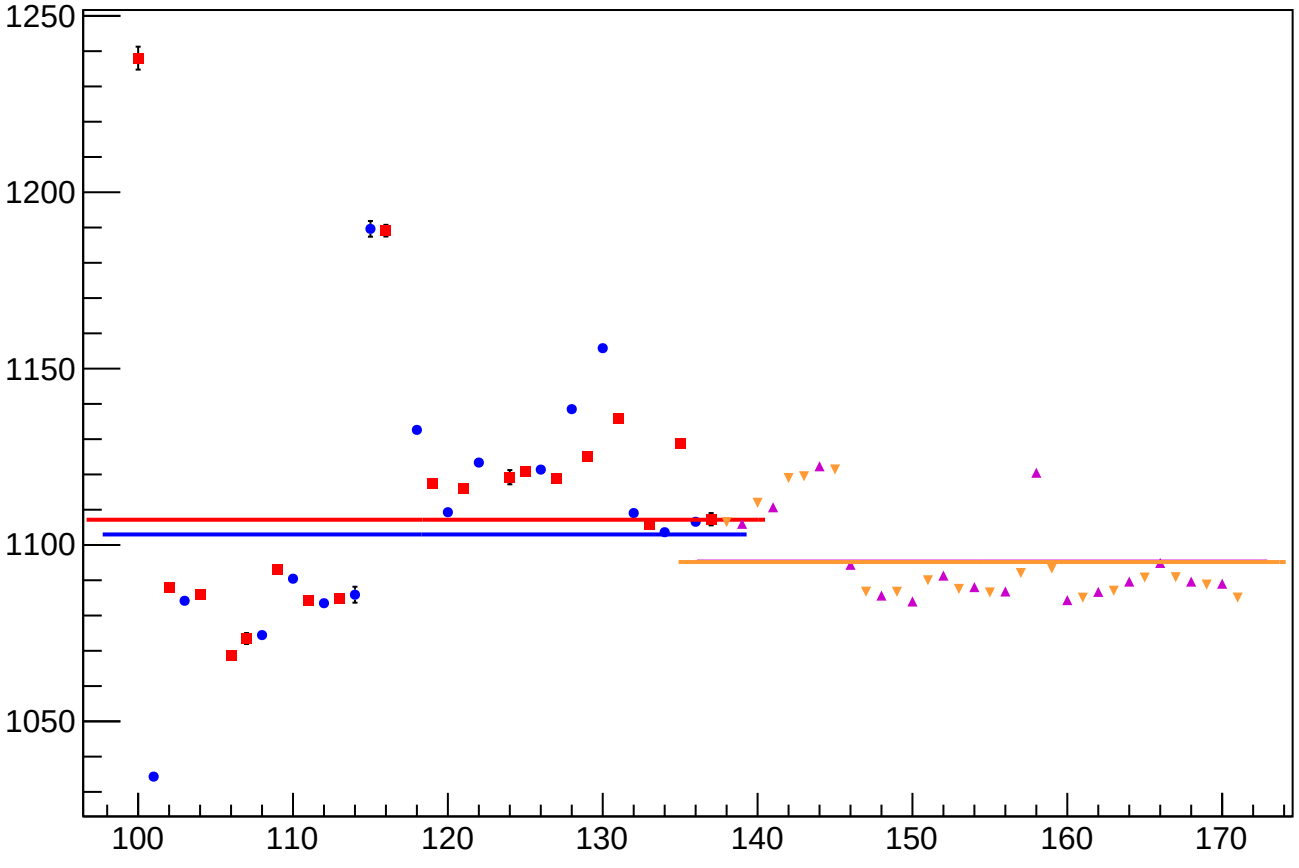
Left In: -2198.880+/-301.238 χ^2/NDF:21.6/15

+ sign 2224.554+/-236.746 χ^2/NDF: 23.9/33

All: 77.808+/-169.044 χ^2/NDF: 225.9/68

- sign -2155.113+/-241.451 χ^2/NDF: 34.2/34

cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

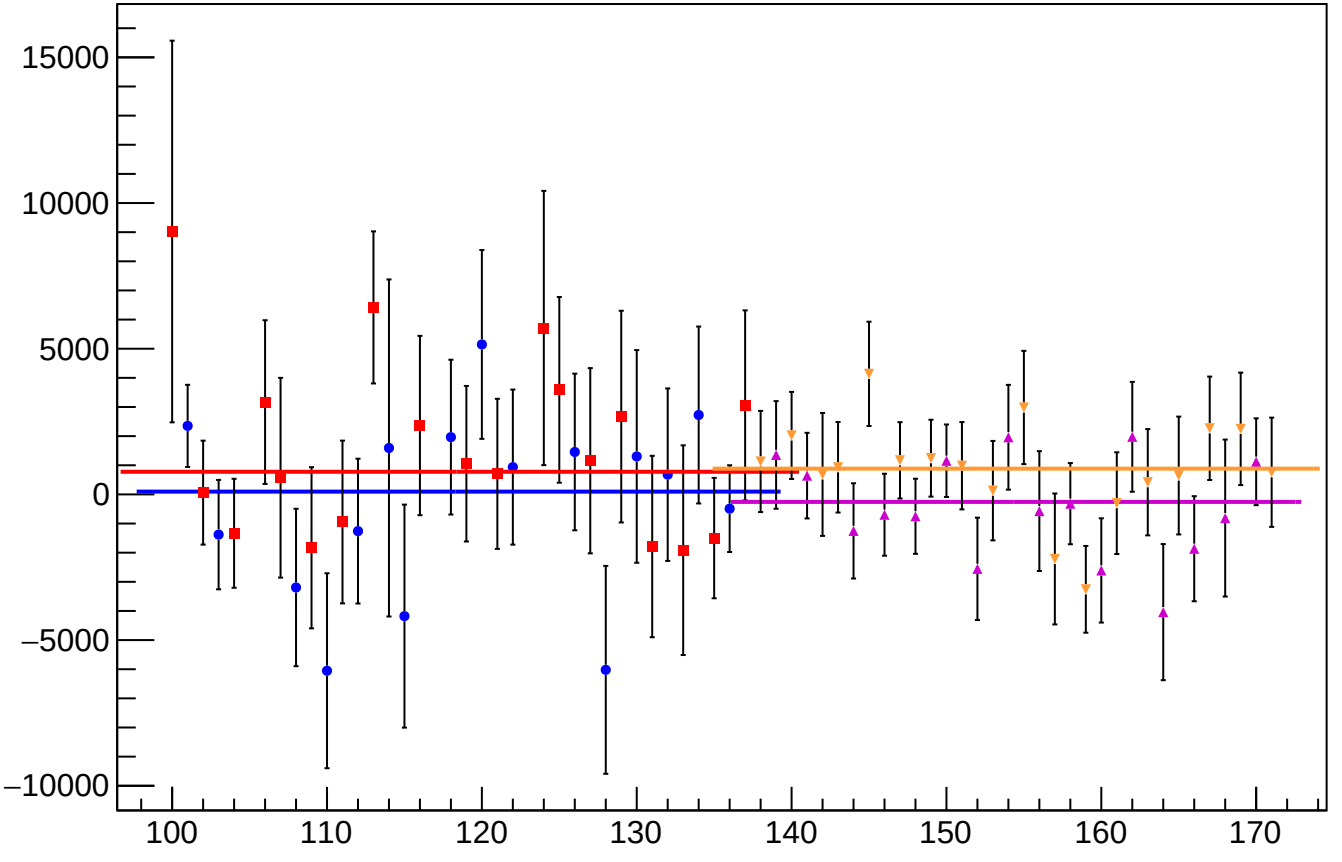
Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

+ sign 1097.777+/-0.167 χ^2/NDF: 17236.6/33

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68

- sign 1099.539+/-0.171 χ^2/NDF: 13160.2/34

asym_usr_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 883.698+/-397.341 χ^2/NDF:16.7/17

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

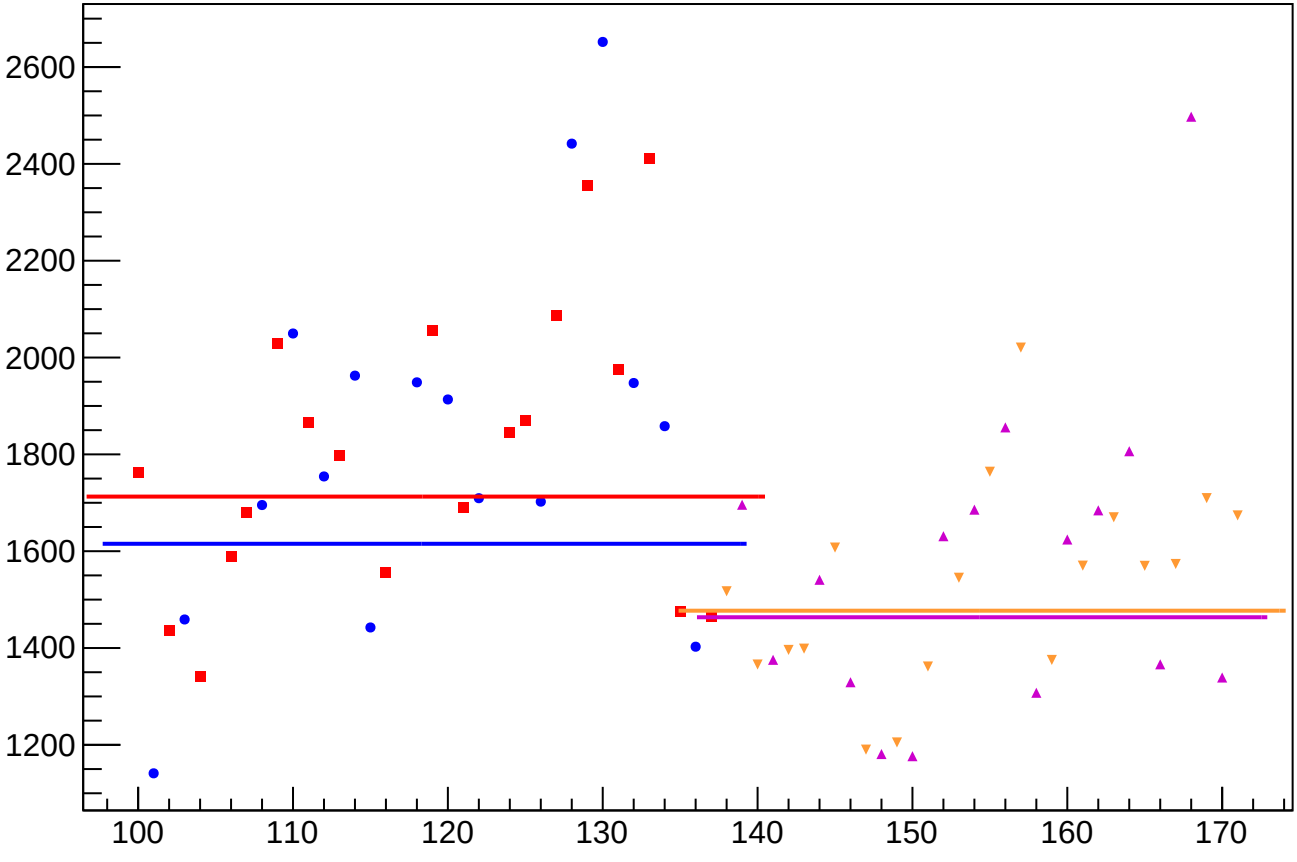
Left In: -257.666+/-410.230 χ^2/NDF:13.7/15

+ sign 653.352+/-334.236 χ^2/NDF: 34.8/33

All: 359.045+/-240.019 χ^2/NDF: 67.1/68

- sign 45.674+/-344.891 χ^2/NDF: 30.7/34

asym_usr_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

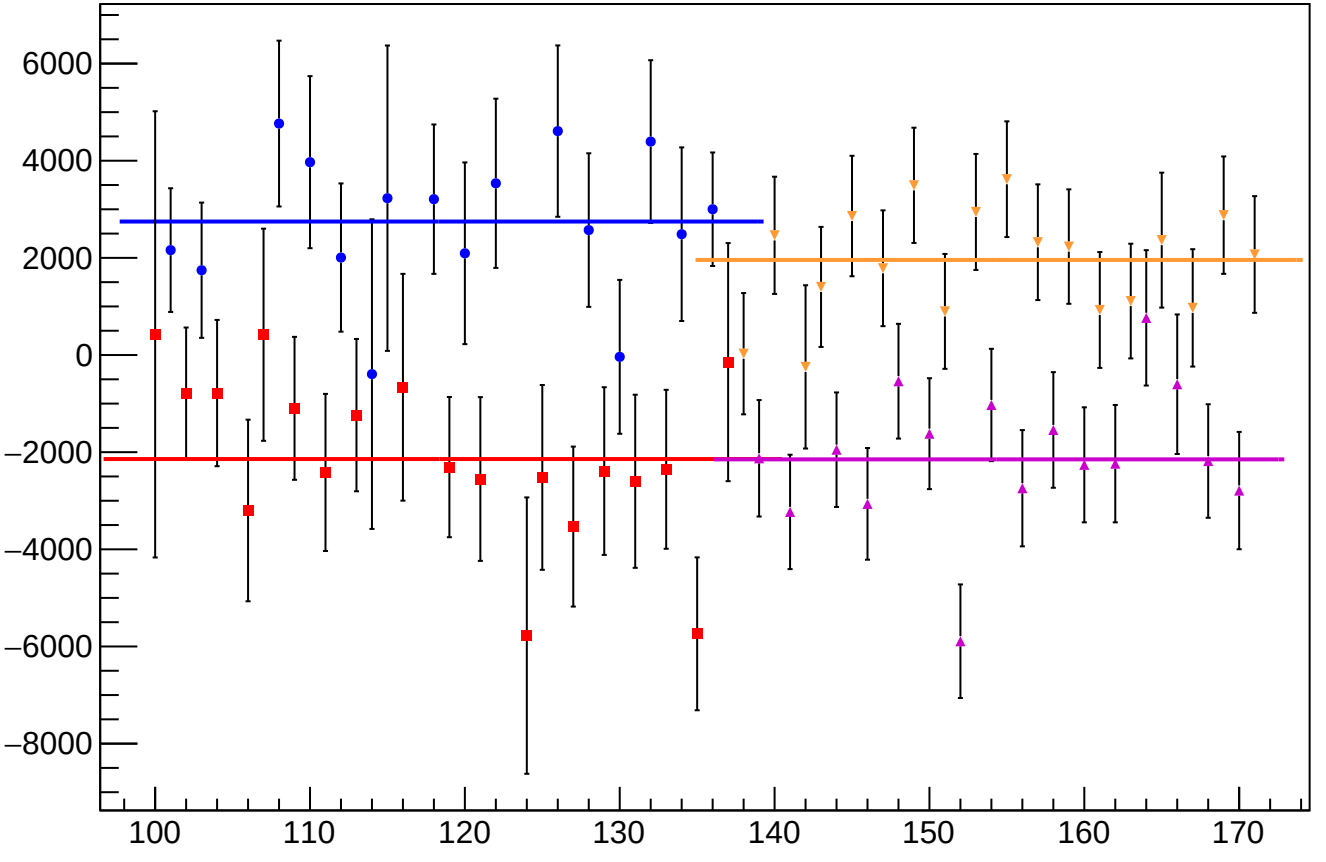
Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

+ sign 1517.520+/-0.236 χ^2/NDF: 1250437.5/33

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68

- sign 1536.635+/-0.244 χ^2/NDF: 1456235.4/34

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1957.558+/-289.283 χ^2/NDF:12.9/17

Right Out: -2141.169+/-402.789 χ^2/NDF: 13.6/18

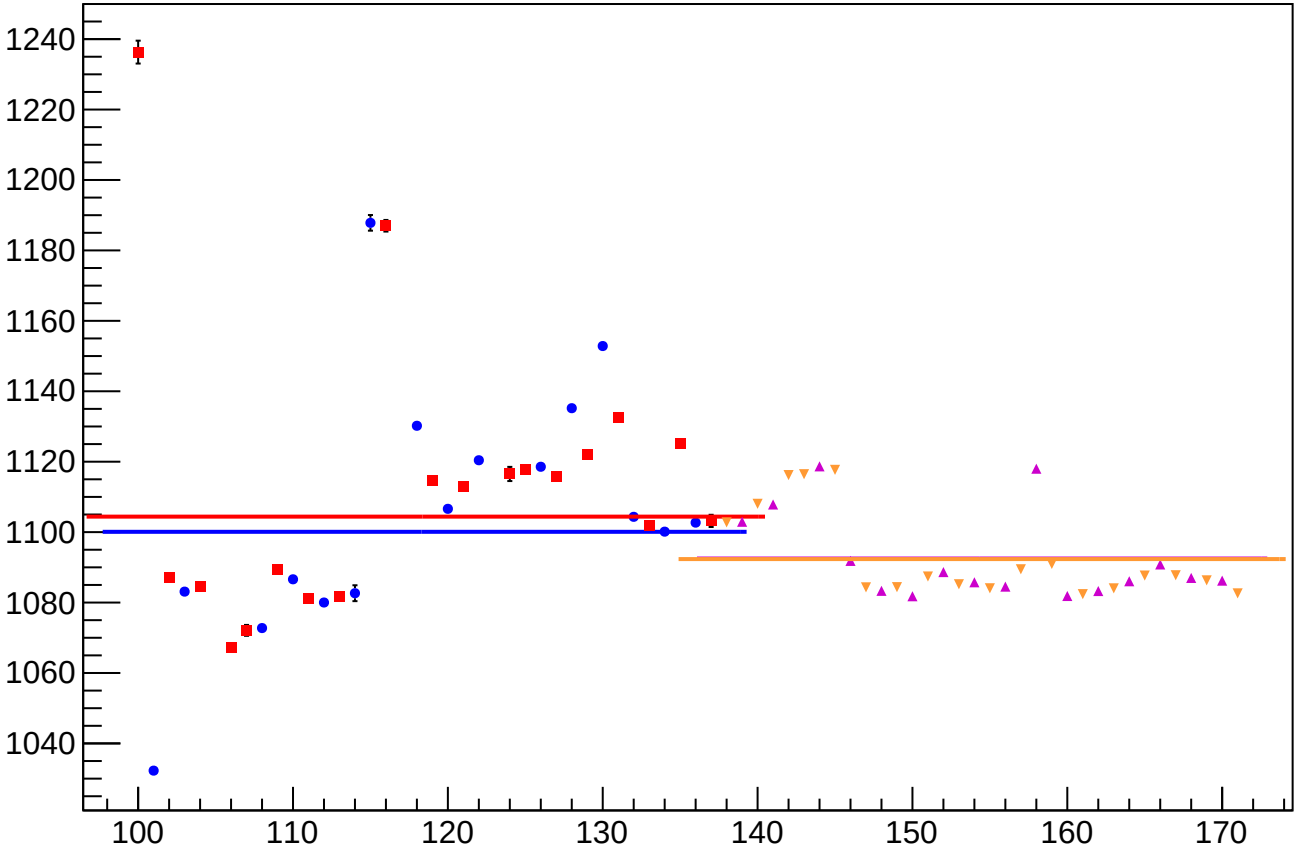
Left In: -2147.945+/-300.471 χ^2/NDF:21.1/15

+ sign 2221.318+/-236.132 χ^2/NDF: 24.9/33

All: 81.010+/-168.611 χ^2/NDF: 227.2/68

- sign -2145.522+/-240.841 χ^2/NDF: 34.7/34

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1092.346+/-0.205 χ^2/NDF:3348.0/17

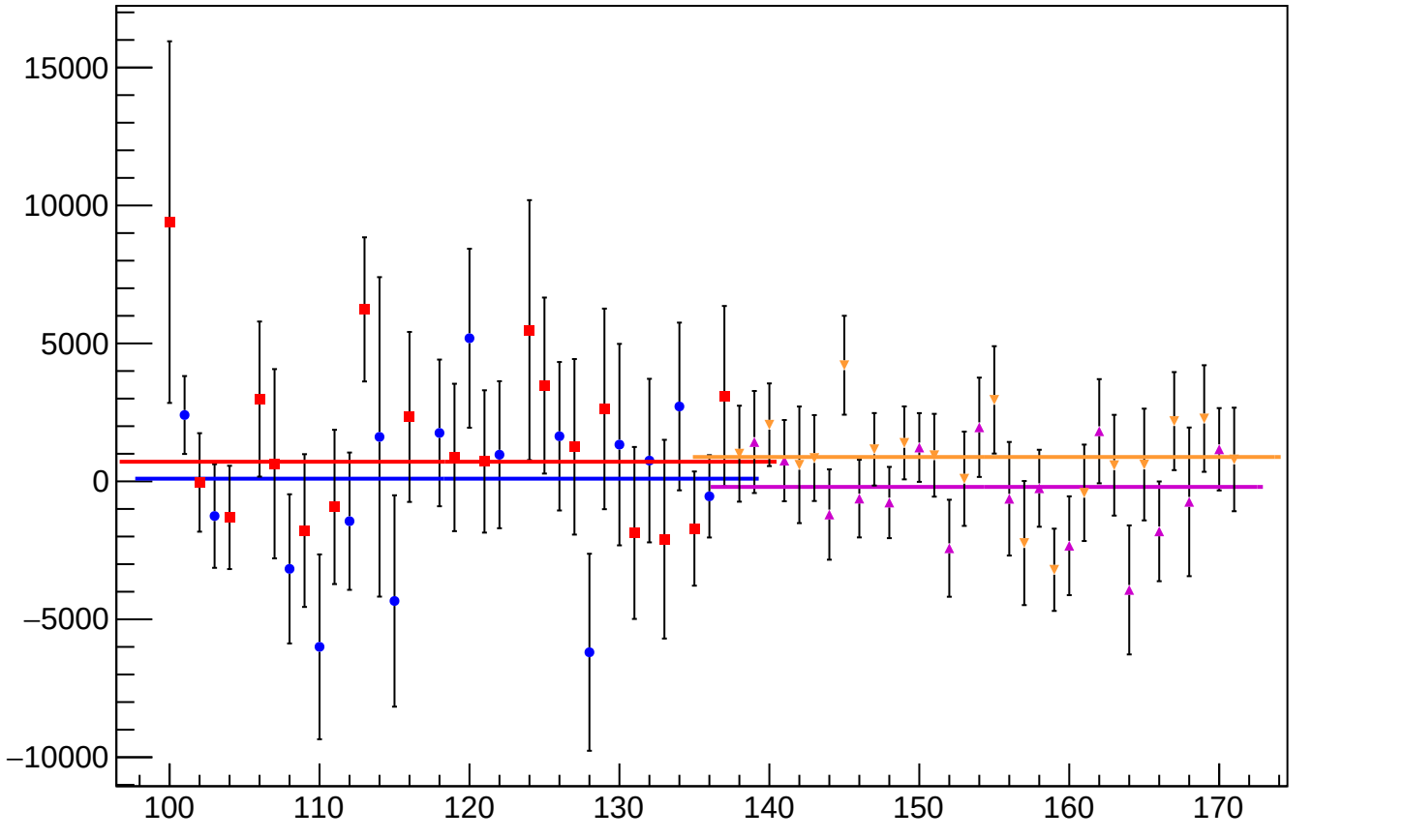
Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1092.510+/-0.212 χ^2/NDF:3294.4/15

\+ sign 1094.931+/-0.167 χ^2/NDF: 16903.4/33

All: 1095.828+/-0.119 χ^2/NDF: 29920.5/68

\- sign 1096.762+/-0.170 χ^2/NDF: 12958.1/34



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 883.073+/-397.938 χ^2/NDF:16.7/17

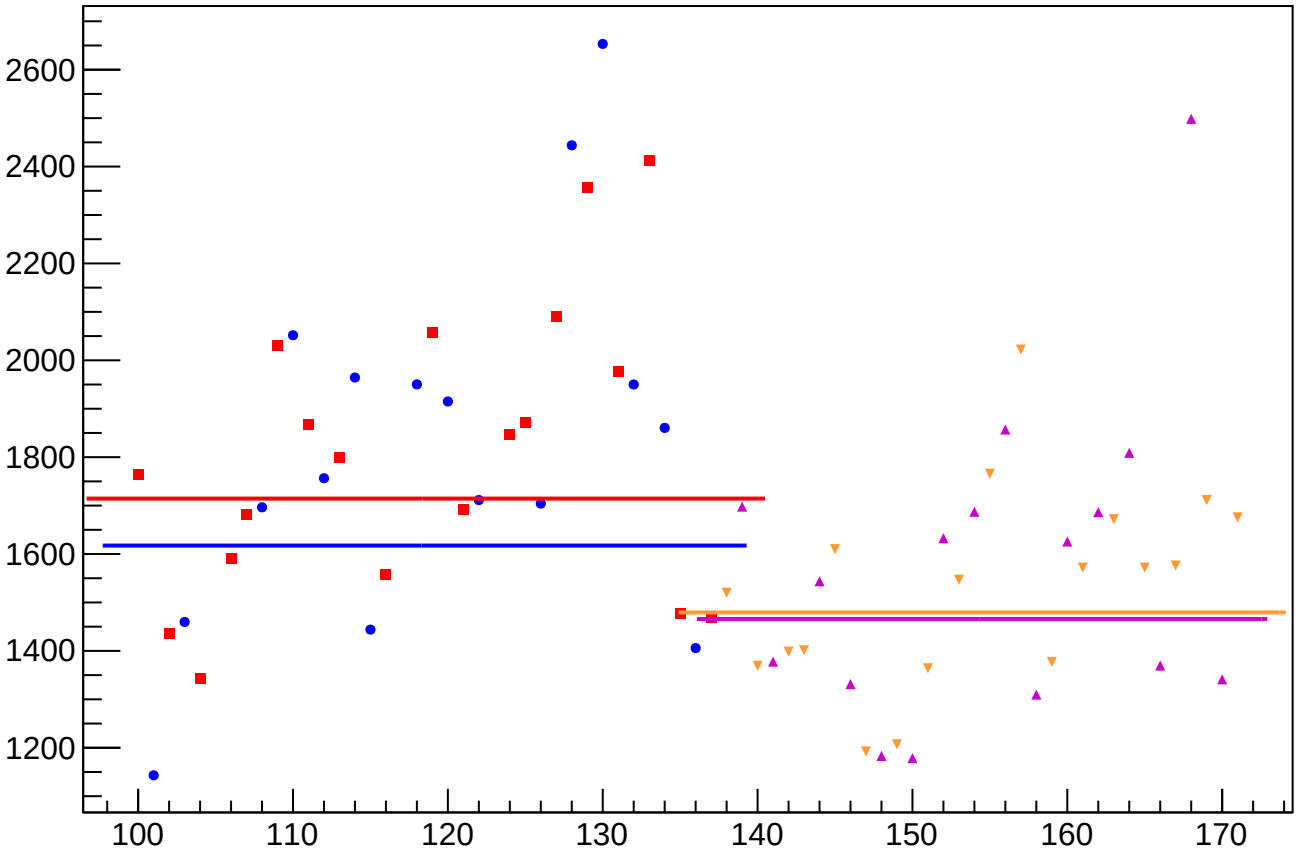
Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -201.706+/-410.846 χ^2/NDF:13.0/15

\+ sign 653.265+/-334.715 χ^2/NDF: 35.1/33

All: 368.898+/-240.353 χ^2/NDF: 66.0/68

\- sign 66.163+/-345.356 χ^2/NDF: 29.4/34



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1479.427+/-0.281 χ^2/NDF:483883.1/17

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

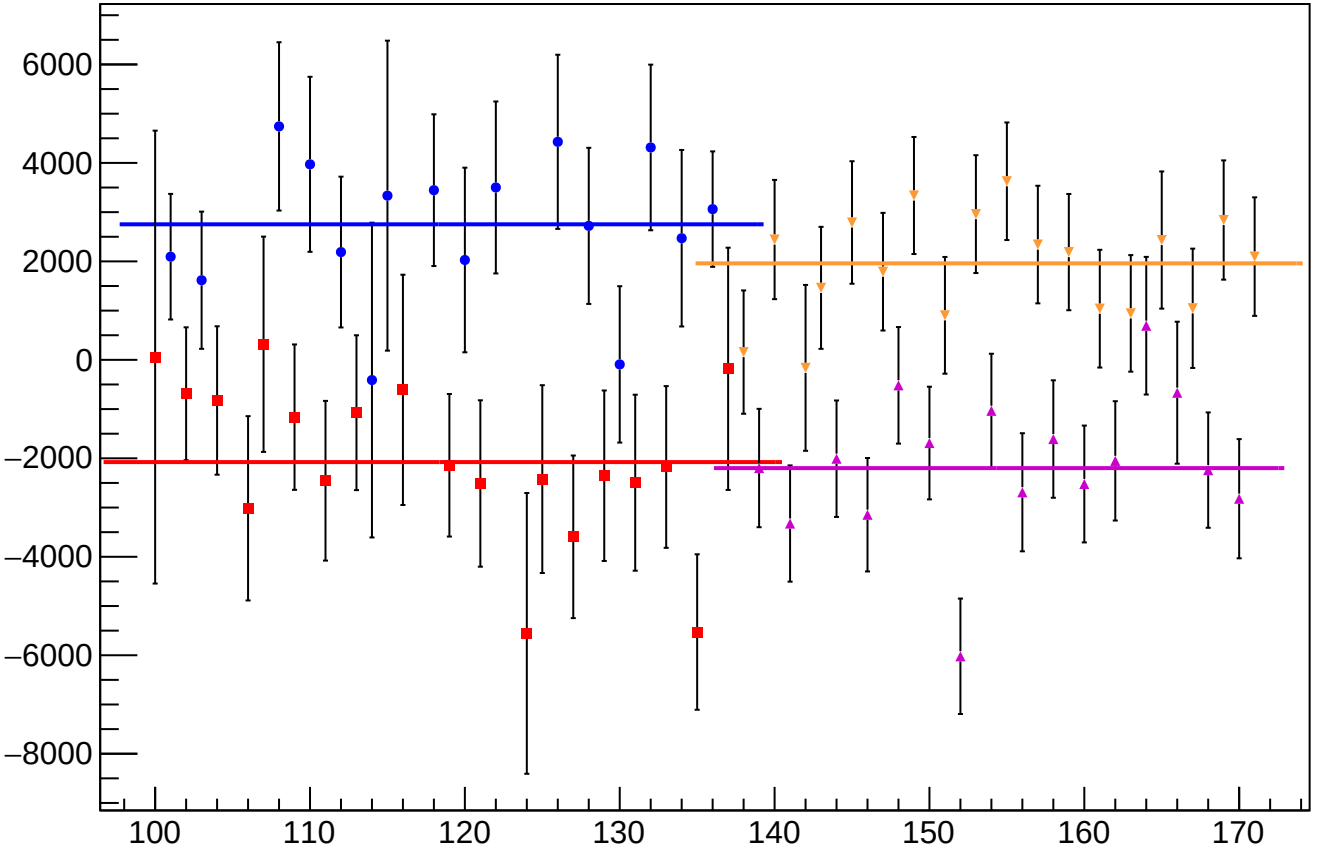
Left In: 1465.869+/-0.291 χ^2/NDF:808855.7/15

+ sign 1519.812+/-0.237 χ^2/NDF: 1246029.8/33

All: 1529.018+/-0.170 χ^2/NDF: 2700632.3/68

- sign 1538.819+/-0.244 χ^2/NDF: 1451478.8/34

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

Right Out: -2076.471+/-403.796 χ^2/NDF: 12.5/18

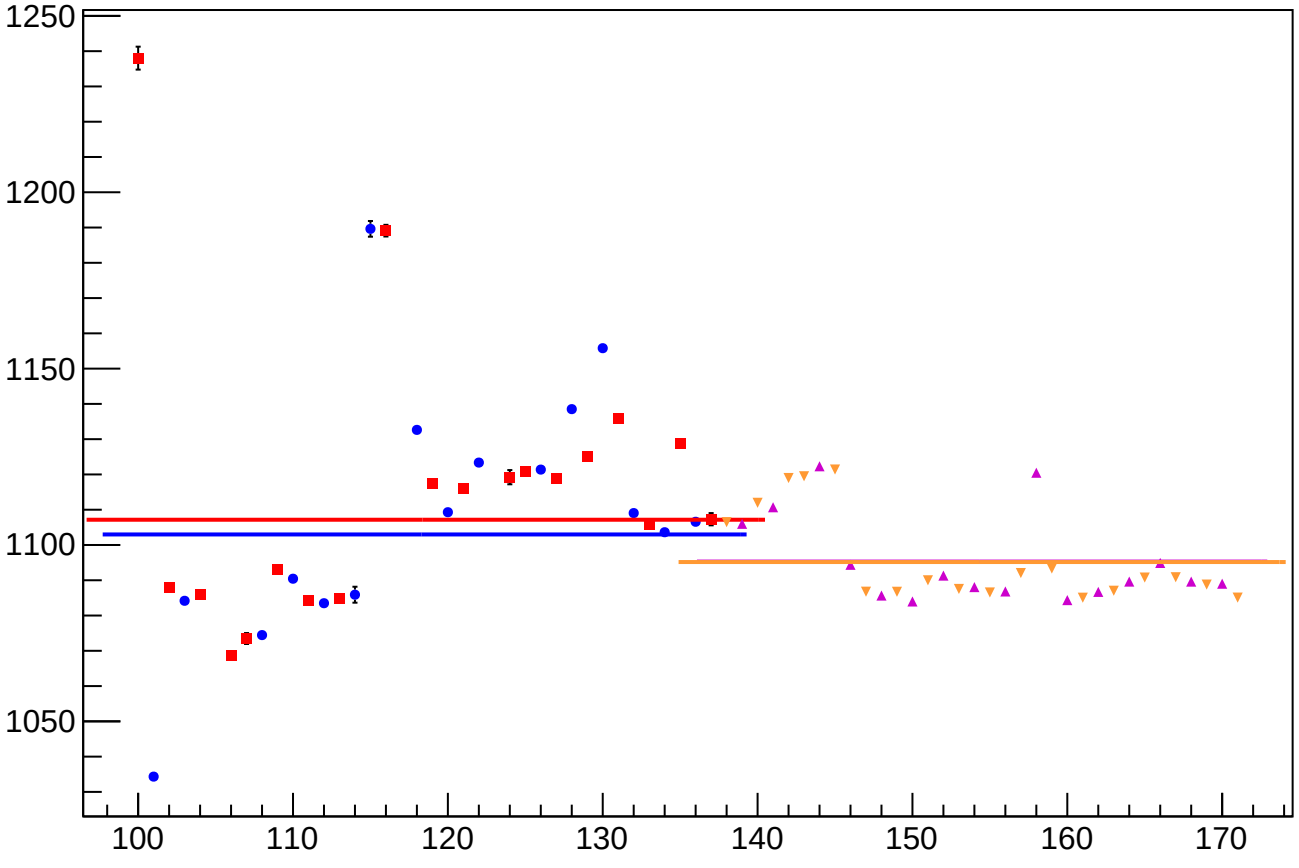
Left In: -2198.880+/-301.238 χ^2/NDF:21.6/15

+ sign 2224.554+/-236.746 χ^2/NDF: 23.9/33

All: 77.808+/-169.044 χ^2/NDF: 225.9/68

- sign -2155.113+/-241.451 χ^2/NDF: 34.2/34

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

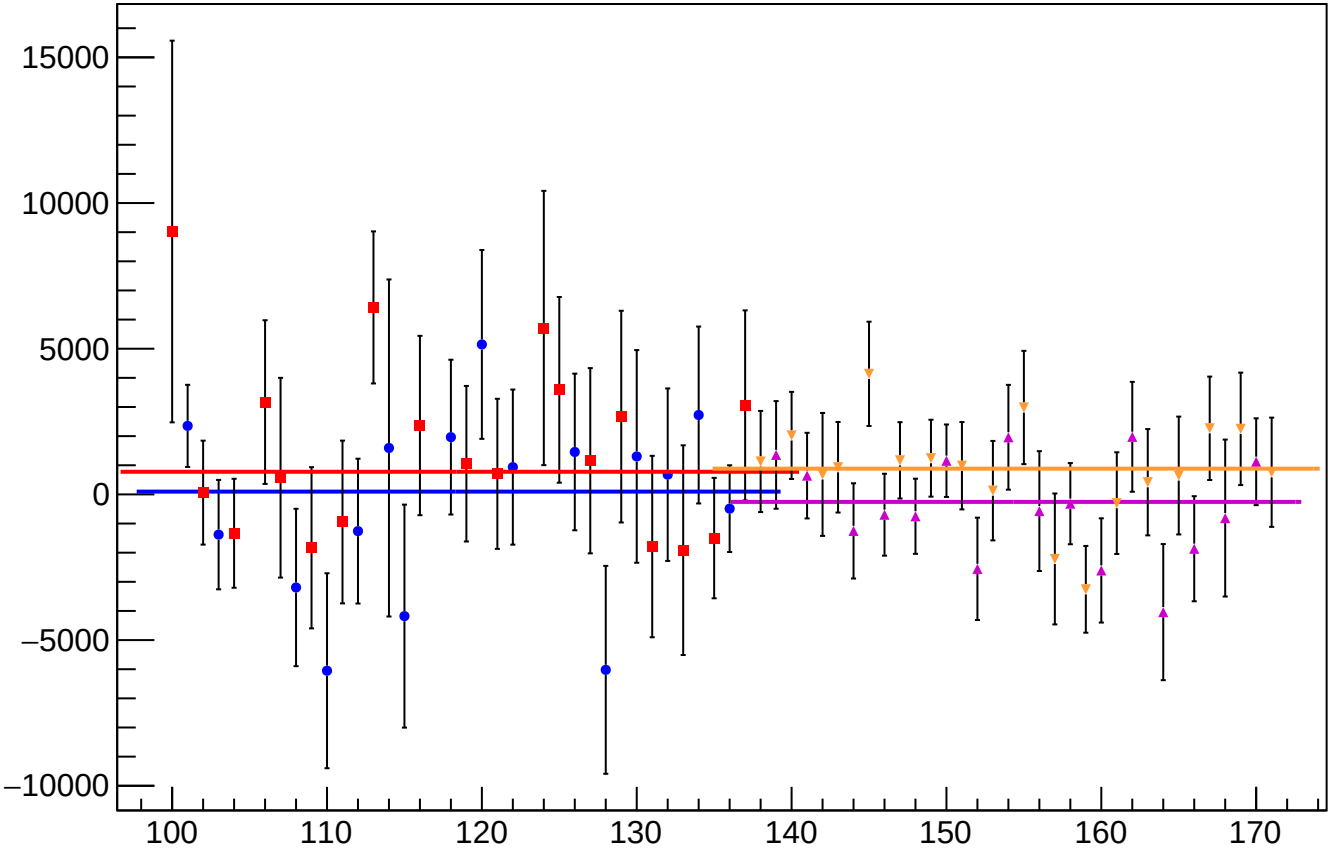
Left In: 1095.298+/-0.213 χ^2/NDF:3368.2/15

+ sign 1097.777+/-0.167 χ^2/NDF: 17236.6/33

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68

- sign 1099.539+/-0.171 χ^2/NDF: 13160.2/34

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 883.698+/-397.341 χ^2/NDF:16.7/17

Right Out: 776.996+/-636.966 χ^2/NDF: 15.1/18

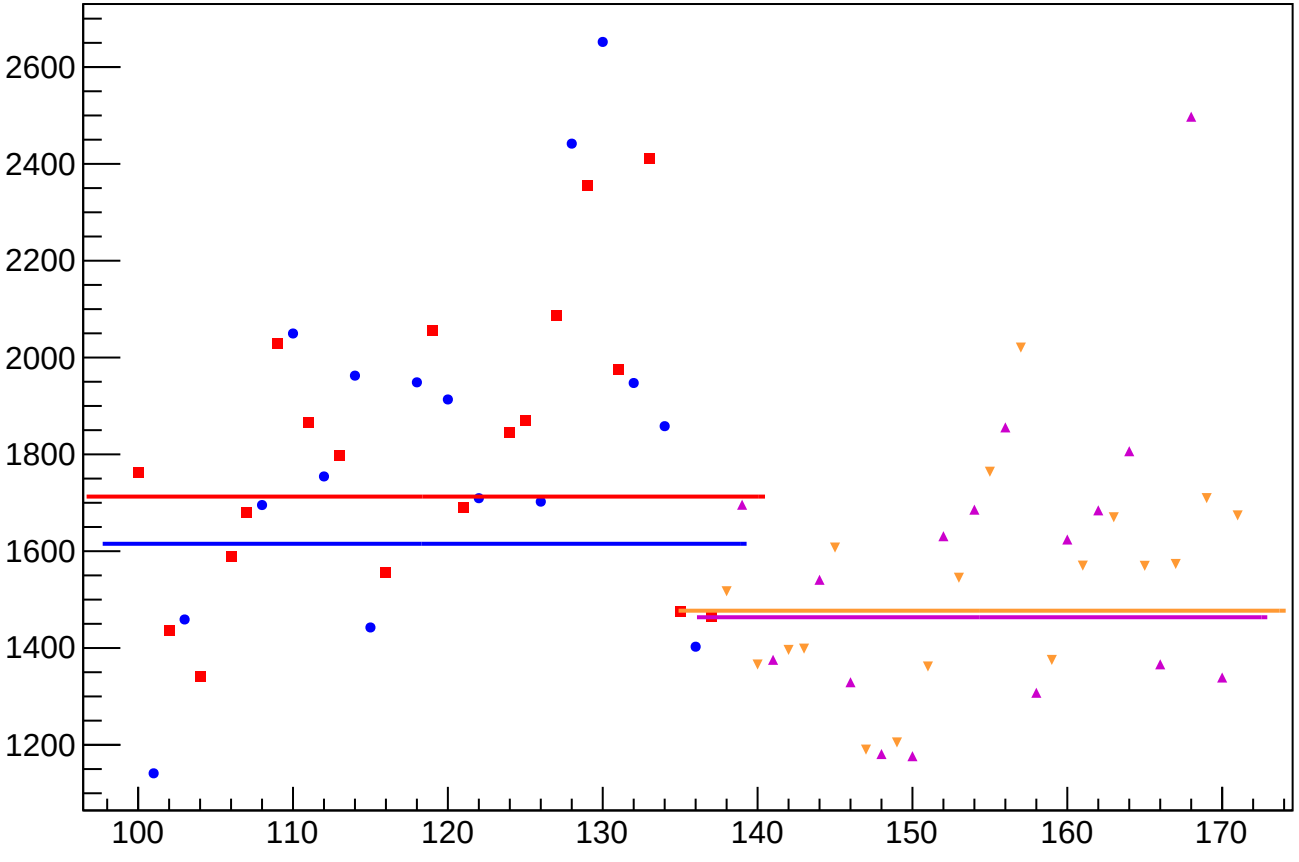
Left In: -257.666+/-410.230 χ^2/NDF:13.7/15

+ sign 653.352+/-334.236 χ^2/NDF: 34.8/33

All: 359.045+/-240.019 χ^2/NDF: 67.1/68

- sign 45.674+/-344.891 χ^2/NDF: 30.7/34

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

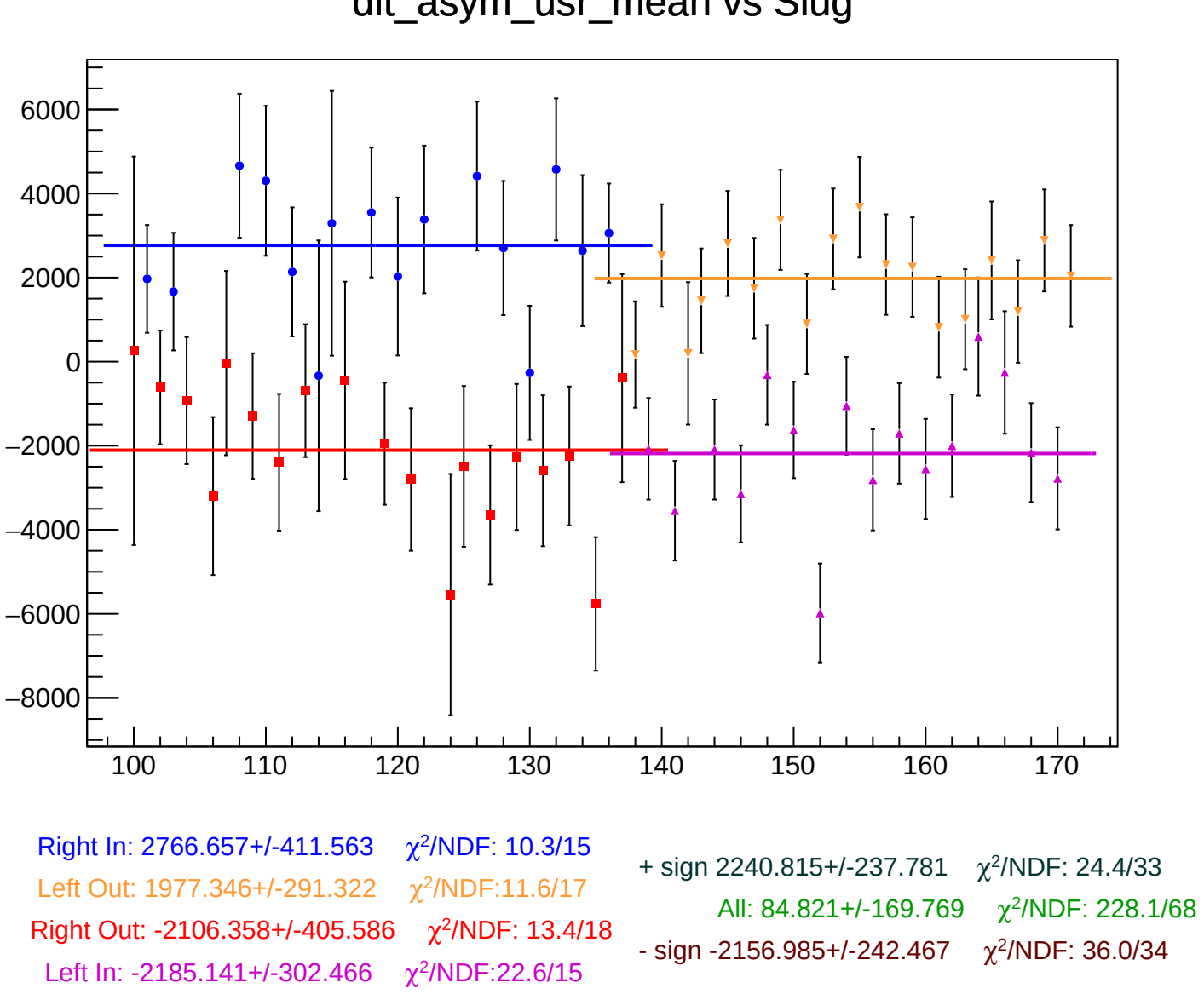
Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1463.565+/-0.290 χ^2/NDF:811740.7/15

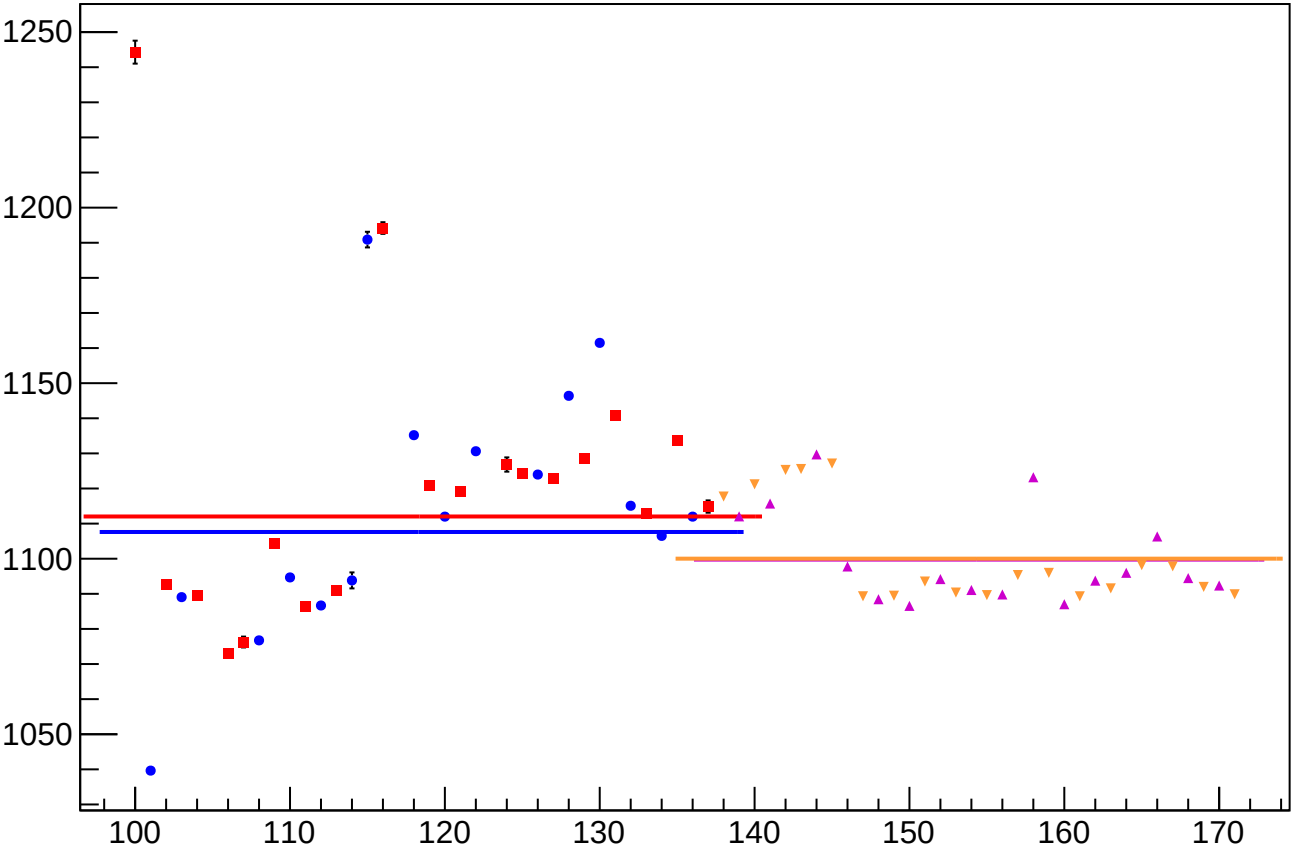
+ sign 1517.520+/-0.236 χ^2/NDF: 1250437.5/33

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68

- sign 1536.635+/-0.244 χ^2/NDF: 1456235.4/34


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1977.346+/-291.322 χ²/NDF:11.6/17
Right Out: -2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: -2185.141+/-302.466 χ²/NDF:22.6/15
+ sign 2240.815+/-237.781 χ²/NDF: 24.4/33
All: 84.821+/-169.769 χ²/NDF: 228.1/68
- sign -2156.985+/-242.467 χ²/NDF: 36.0/34

dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.014+/-0.206 χ^2/NDF:4427.7/17

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

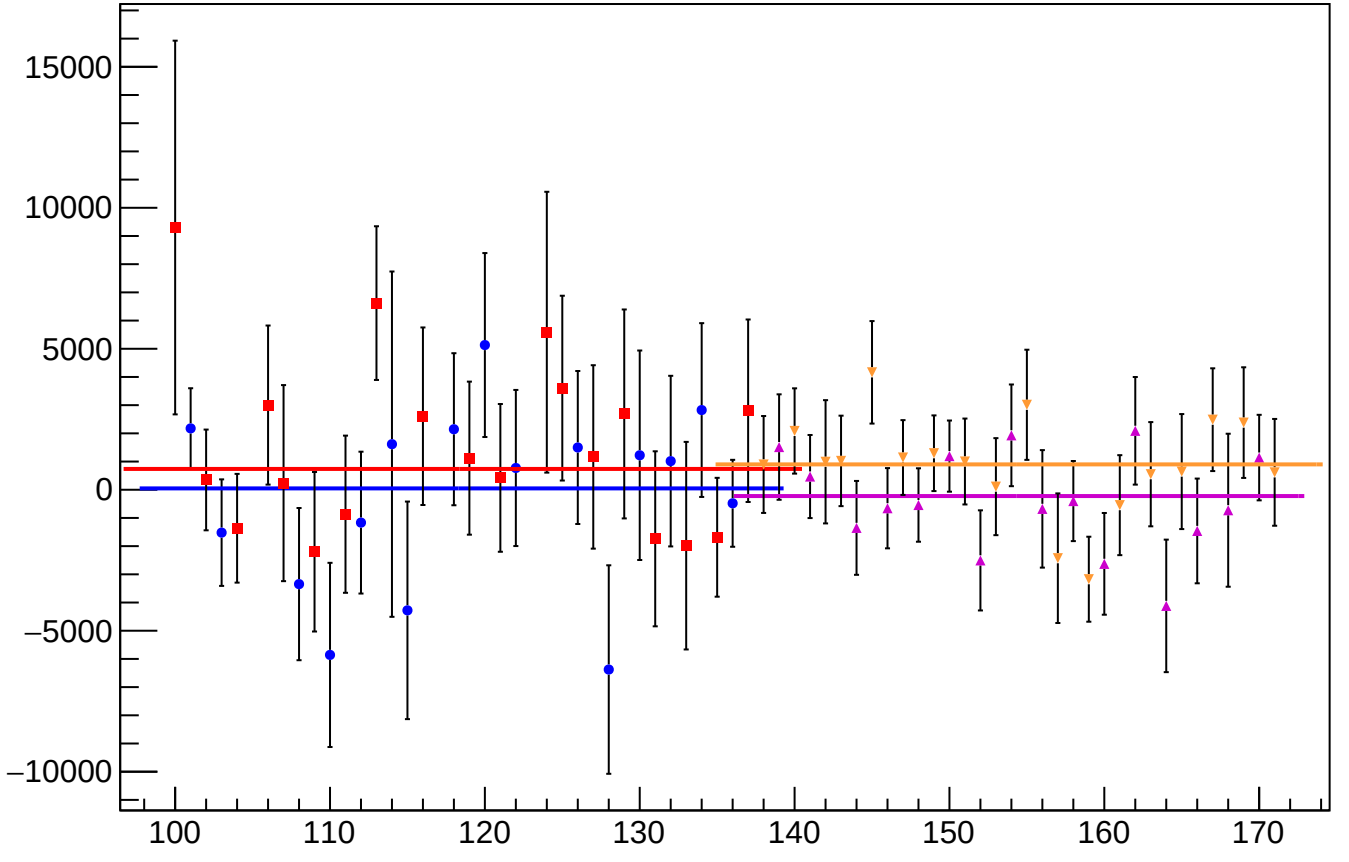
Left In: 1099.743+/-0.214 χ^2/NDF:3795.4/15

+ sign 1102.550+/-0.168 χ^2/NDF: 18102.8/33

All: 1103.327+/-0.120 χ^2/NDF: 31774.5/68

- sign 1104.134+/-0.171 χ^2/NDF: 13628.2/34

asym_usr_dit_correction_mean vs Slug



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 899.396+/-403.190 χ^2/NDF:16.8/17

Right Out: 738.185+/-647.795 χ^2/NDF: 14.9/18

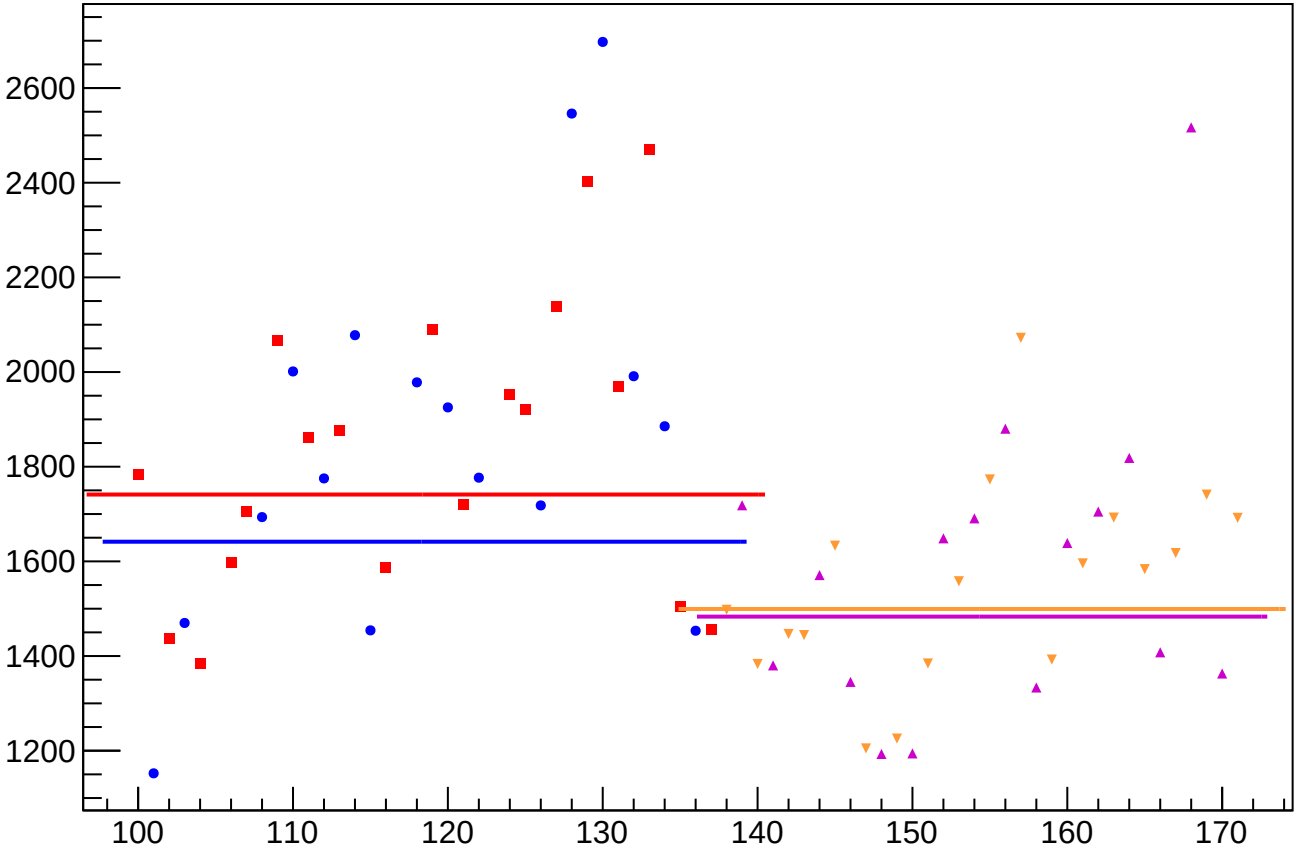
Left In: -223.547+/-415.485 χ^2/NDF:13.4/15

+ sign 650.870+/-339.293 χ^2/NDF: 35.0/33

All: 362.817+/-243.523 χ^2/NDF: 66.4/68

- sign 56.768+/-349.731 χ^2/NDF: 29.9/34

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1499.416+/-0.285 χ^2/NDF:485953.8/17

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

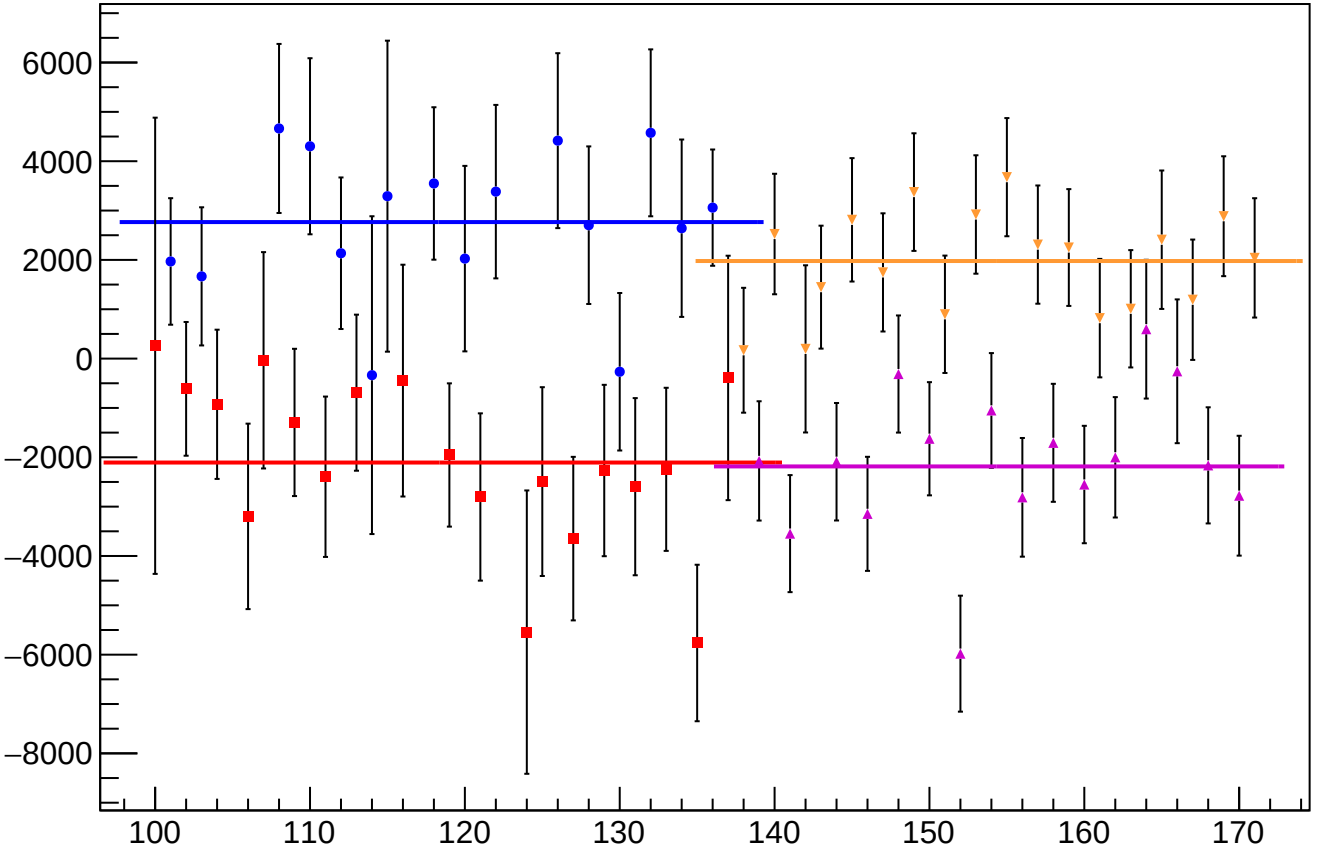
Left In: 1483.299+/-0.294 χ^2/NDF:797371.6/15

+ sign 1540.893+/-0.240 χ^2/NDF: 1259789.1/33

All: 1549.415+/-0.172 χ^2/NDF: 2722704.9/68

- sign 1558.469+/-0.247 χ^2/NDF: 1460313.5/34

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1977.344+/-291.322 χ^2/NDF:11.6/17

Right Out: -2106.360+/-405.586 χ^2/NDF: 13.4/18

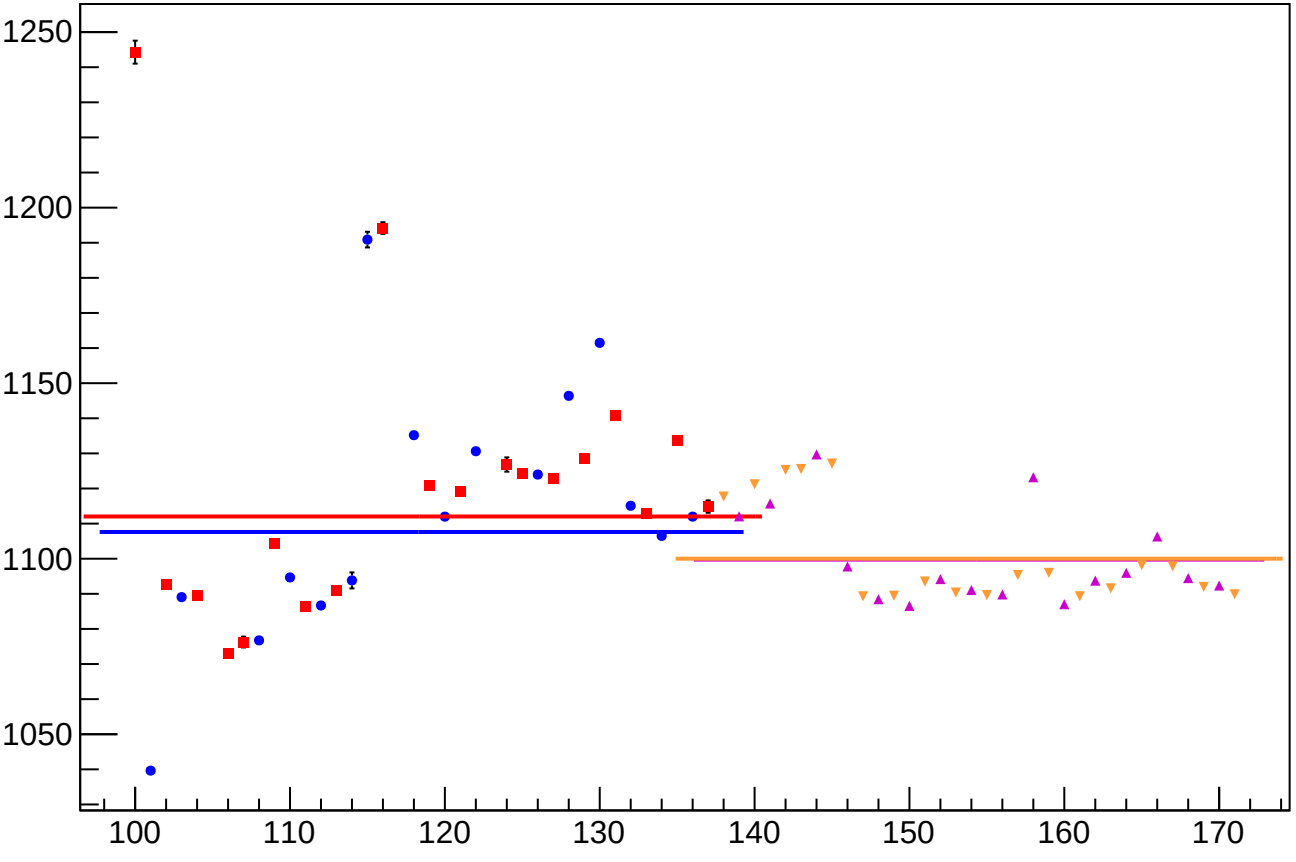
Left In: -2185.142+/-302.466 χ^2/NDF:22.6/15

+ sign 2240.813+/-237.781 χ^2/NDF: 24.4/33

All: 84.819+/-169.769 χ^2/NDF: 228.1/68

- sign -2156.986+/-242.467 χ^2/NDF: 36.0/34

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.014+/-0.206 χ^2/NDF:4427.7/17

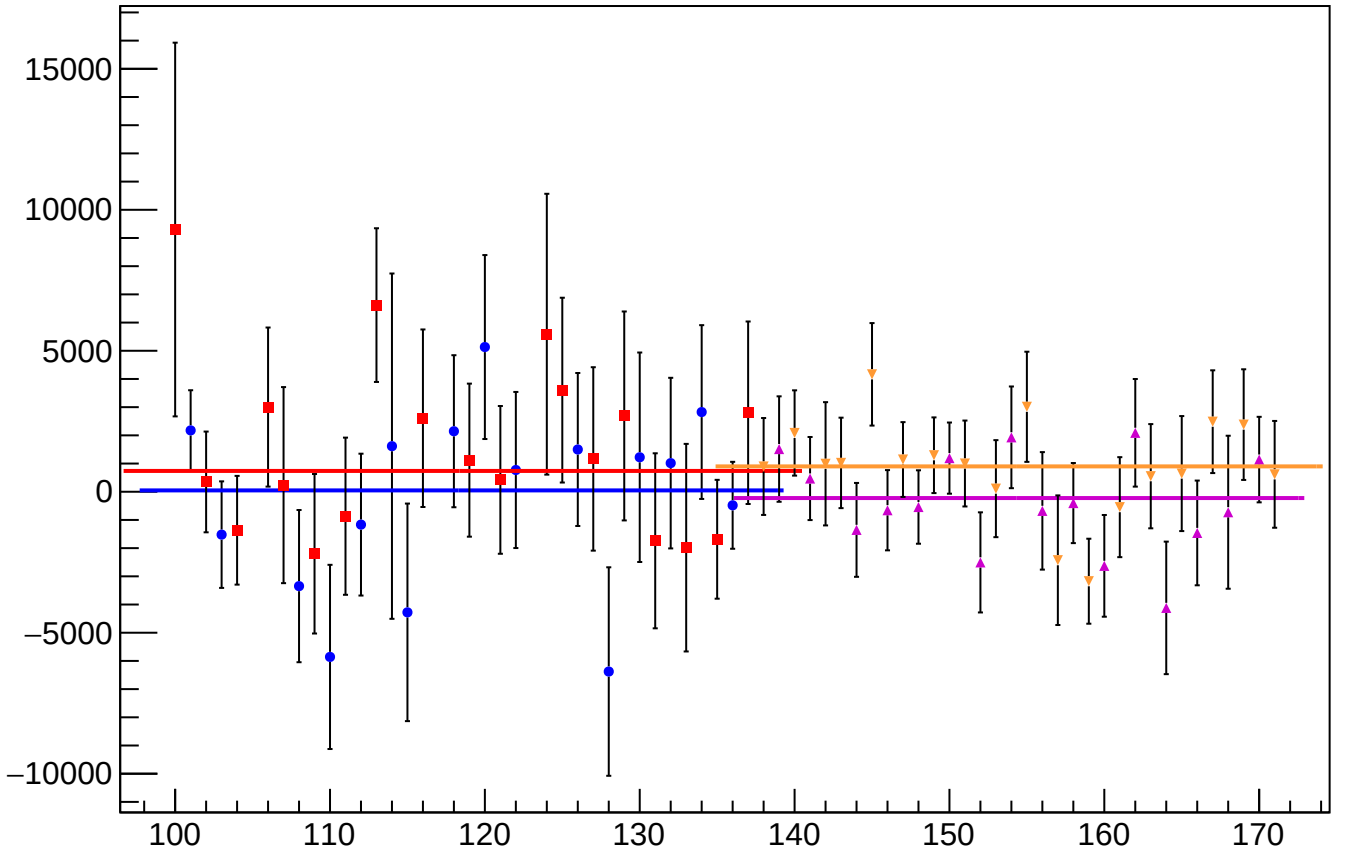
Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.743+/-0.214 χ^2/NDF:3795.4/15

+ sign 1102.550+/-0.168 χ^2/NDF: 18102.7/33

All: 1103.327+/-0.120 χ^2/NDF: 31774.4/68

- sign 1104.134+/-0.171 χ^2/NDF: 13628.2/34



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 899.395+/-403.191 χ^2/NDF:16.8/17

Right Out: 738.188+/-647.795 χ^2/NDF: 14.9/18

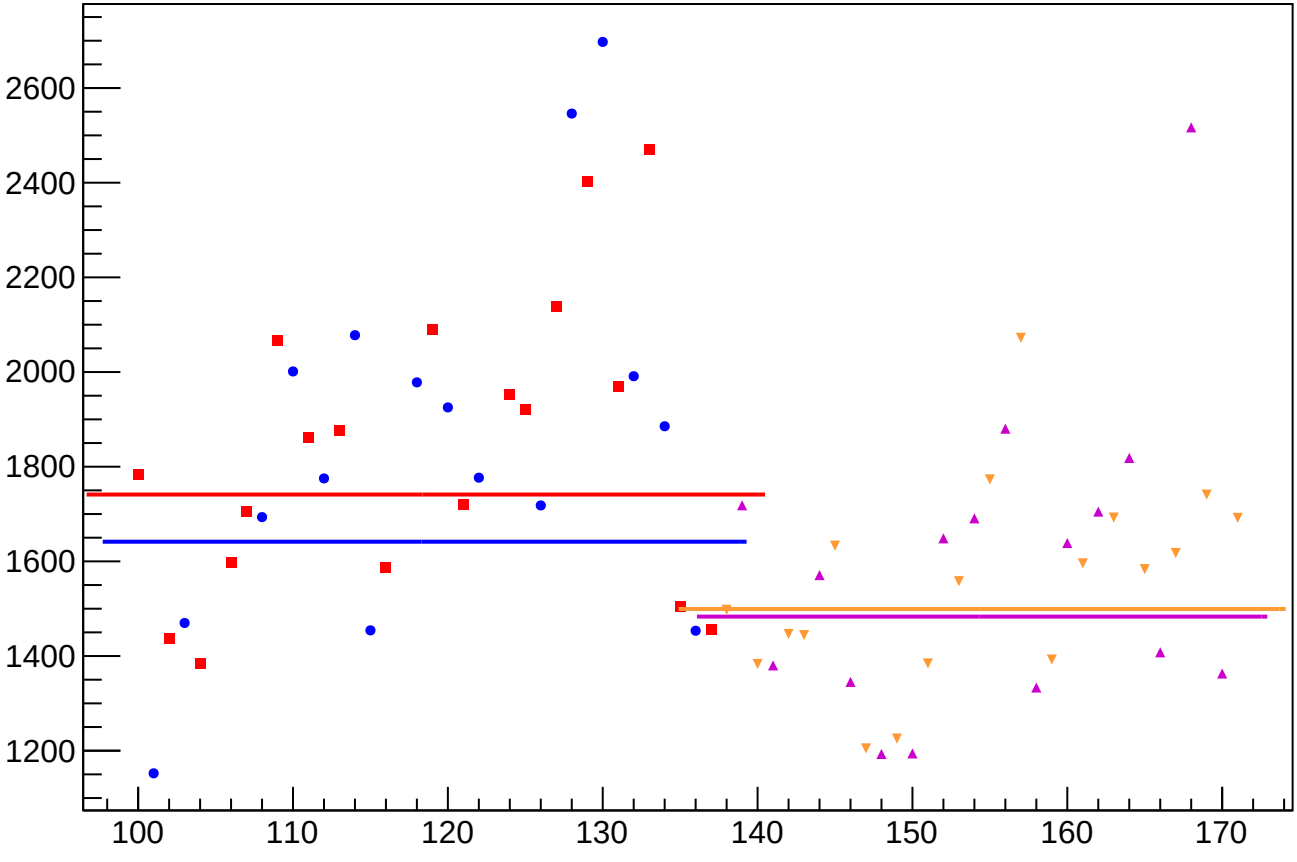
Left In: -223.548+/-415.486 χ^2/NDF:13.4/15

\+ sign 650.867+/-339.294 χ^2/NDF: 35.0/33

All: 362.816+/-243.523 χ^2/NDF: 66.4/68

\- sign 56.770+/-349.732 χ^2/NDF: 29.9/34

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1499.419+/-0.285 χ^2/NDF:485958.5/17

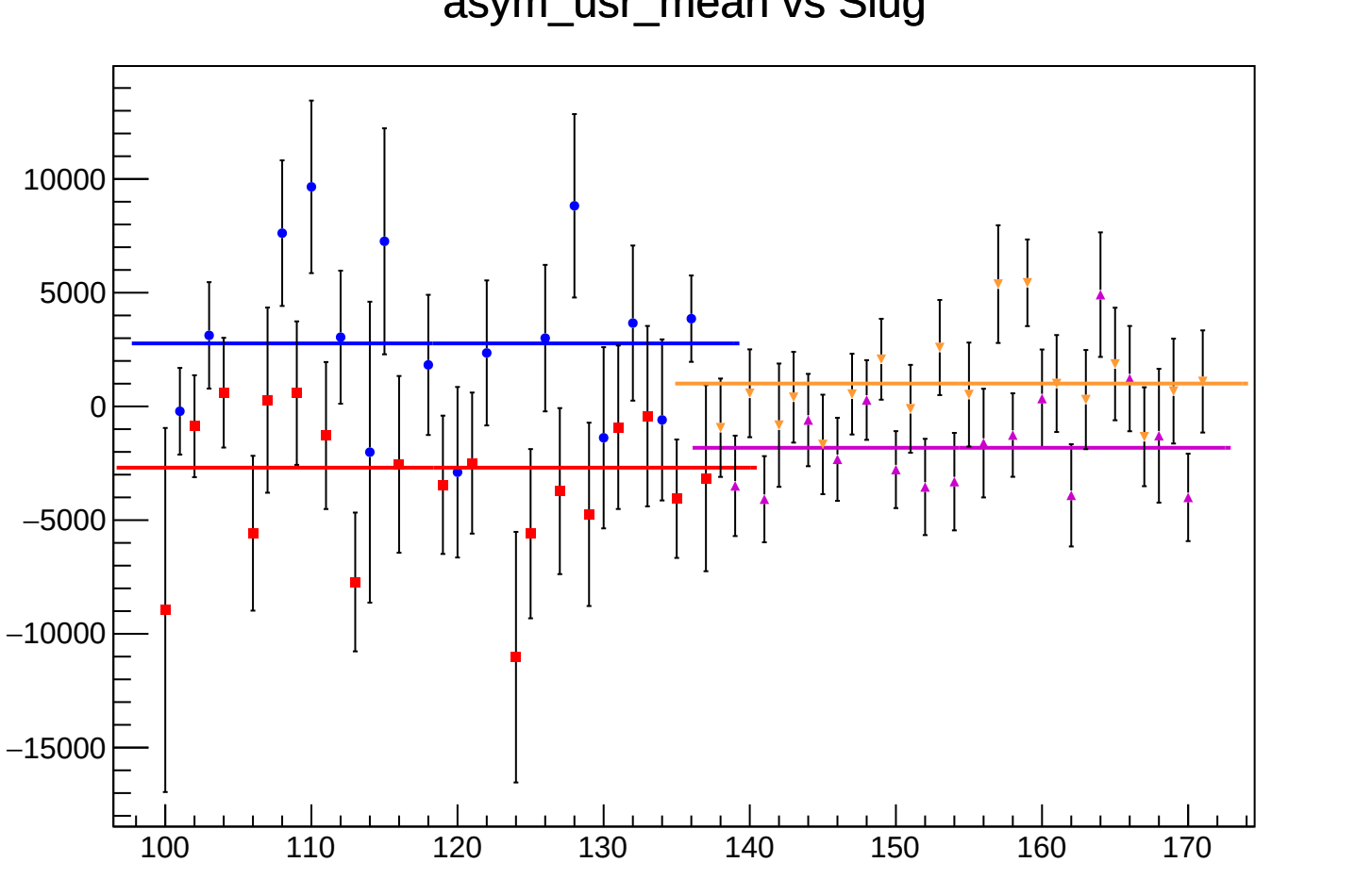
Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1483.302+/-0.294 χ^2/NDF:797377.3/15

+ sign 1540.895+/-0.240 χ^2/NDF: 1259775.9/33

All: 1549.417+/-0.172 χ^2/NDF: 2722676.5/68

- sign 1558.472+/-0.247 χ^2/NDF: 1460298.3/34



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1005.395+/-498.955 χ^2/NDF:13.9/17

Right Out: -2692.625+/-765.754 χ^2/NDF: 12.5/18

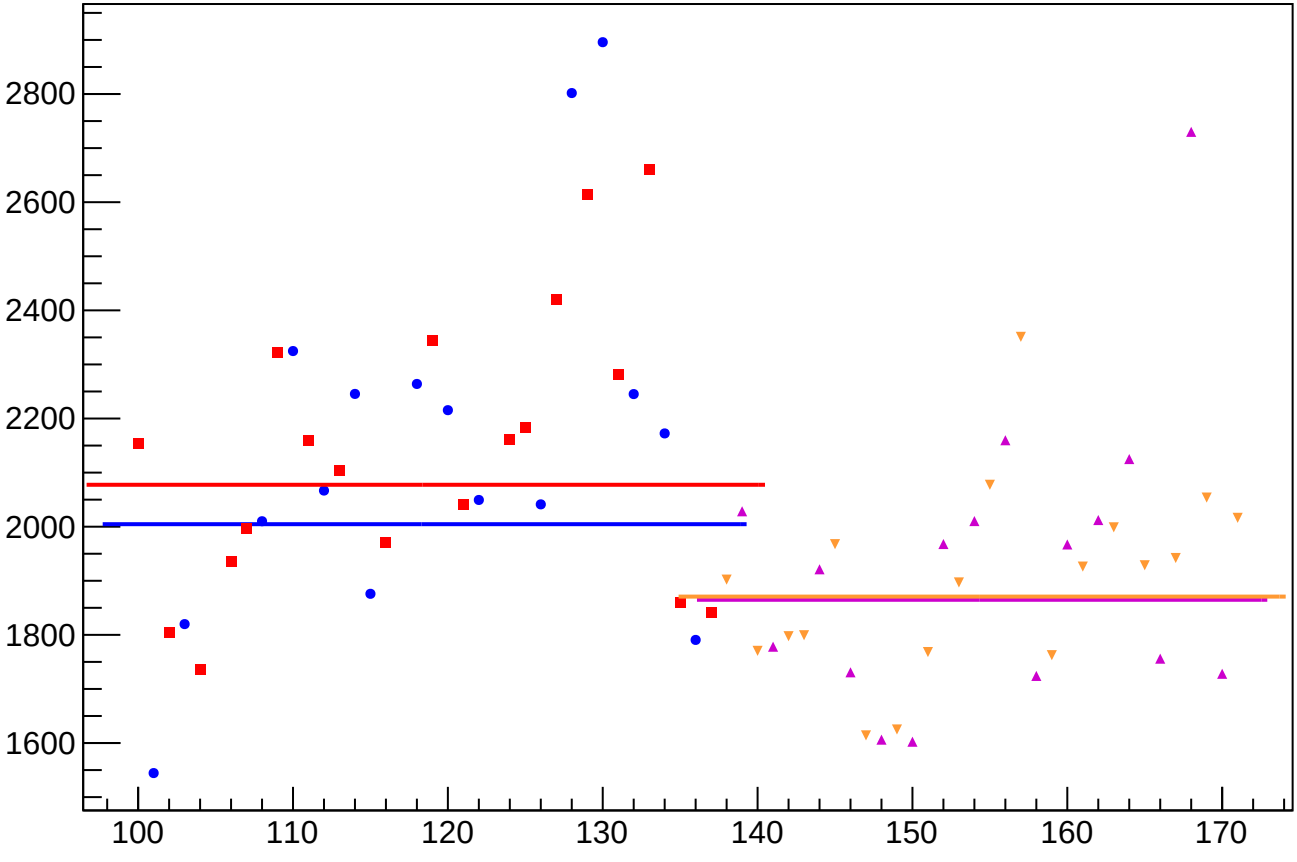
Left In: -1818.949+/-517.532 χ^2/NDF:16.4/15

+ sign 1539.709+/-416.619 χ^2/NDF: 34.2/33

All: -224.314+/-298.803 χ^2/NDF: 100.9/68

- sign -2092.890+/-428.787 χ^2/NDF: 29.8/34

asym_usr_rms vs Slug



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1870.753+/-0.353 χ^2/NDF:223926.8/17

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

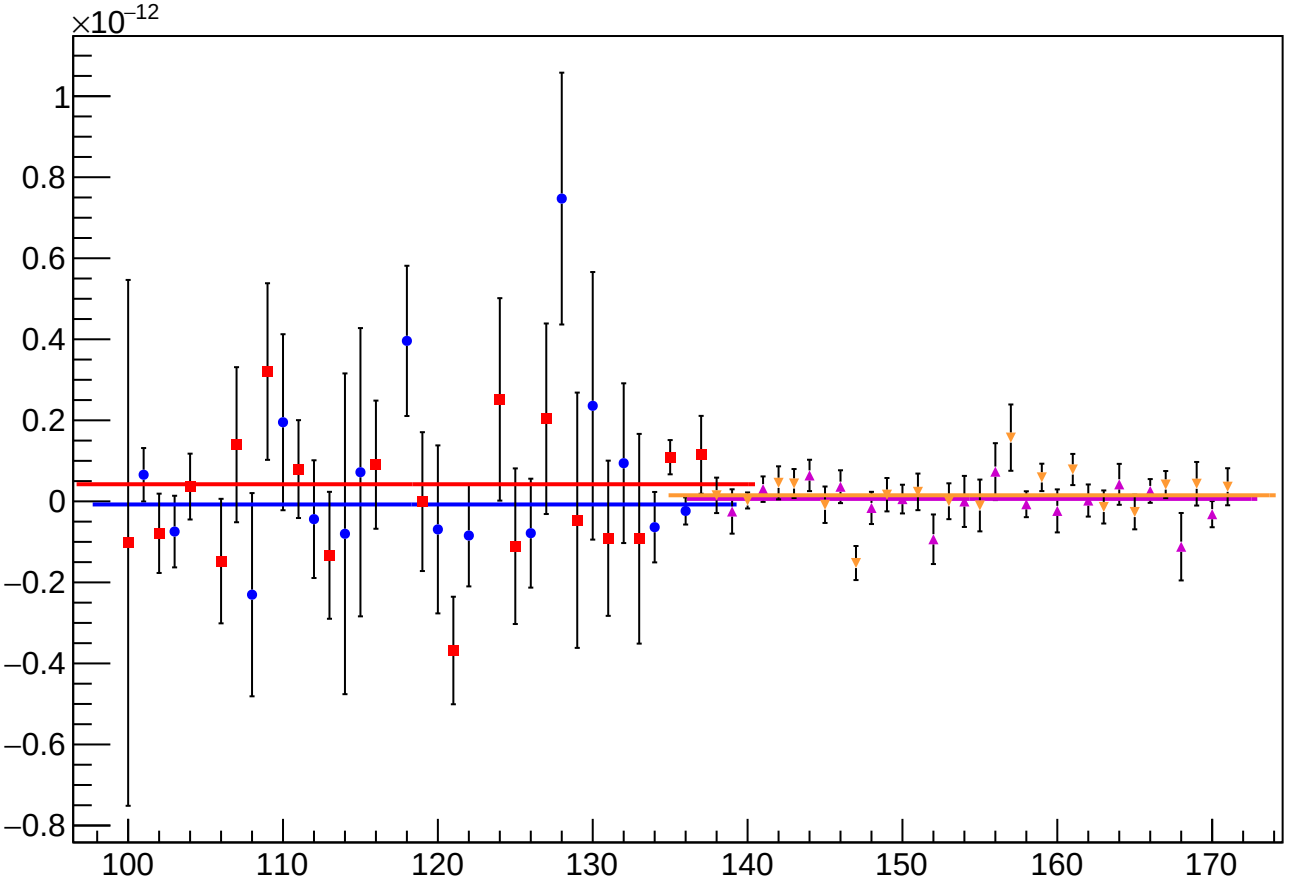
Left In: 1864.865+/-0.366 χ^2/NDF:394167.3/15

+ sign 1911.293+/-0.295 χ^2/NDF: 655096.6/33

All: 1921.124+/-0.211 χ^2/NDF: 1387898.5/68

- sign 1931.537+/-0.303 χ^2/NDF: 730508.9/34

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:28.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/18

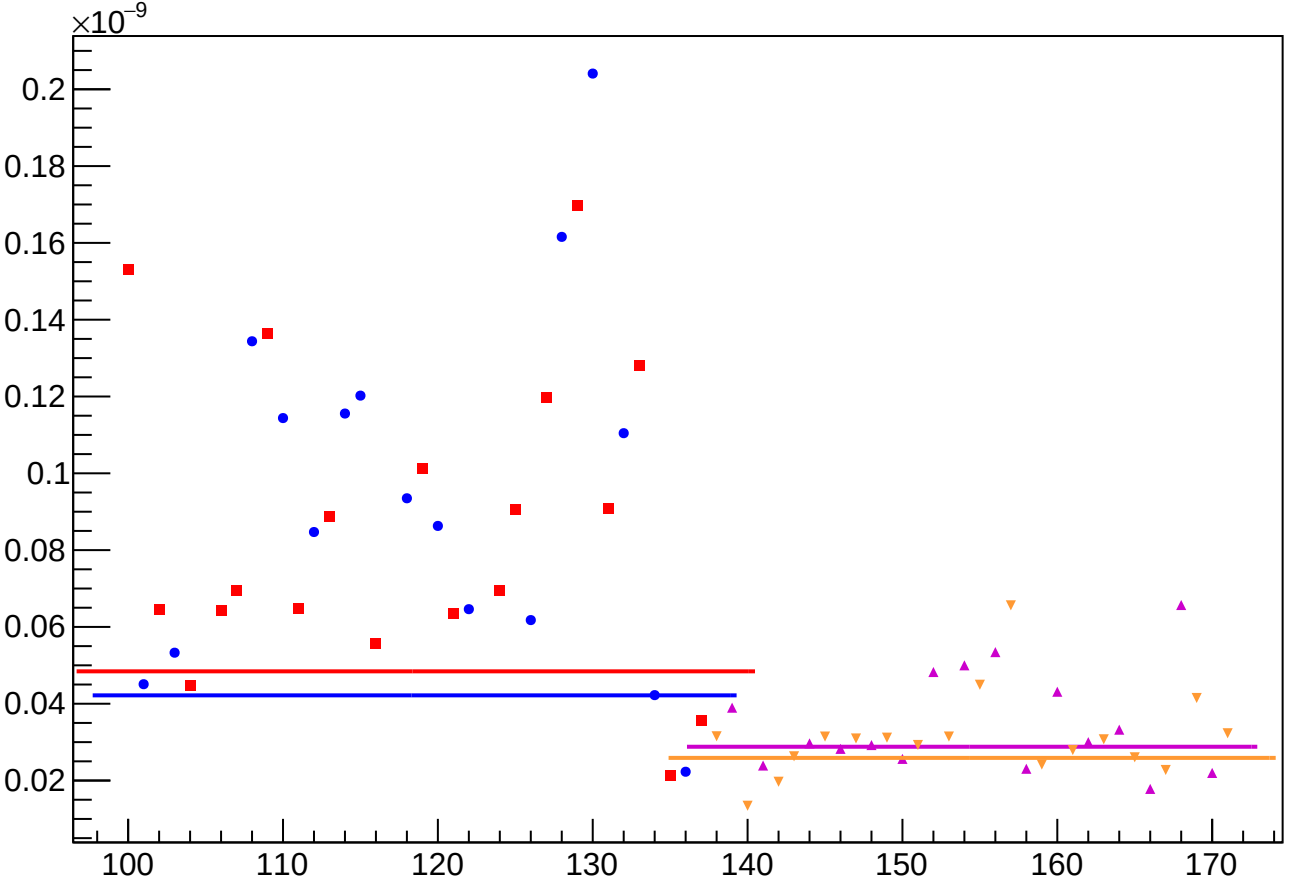
Left In: 0.000+/-0.000 χ^2/NDF:12.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/33

All: 0.000+/-0.000 χ^2/NDF: 81.0/68

- sign 0.000+/-0.000 χ^2/NDF: 35.7/34

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1919644.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

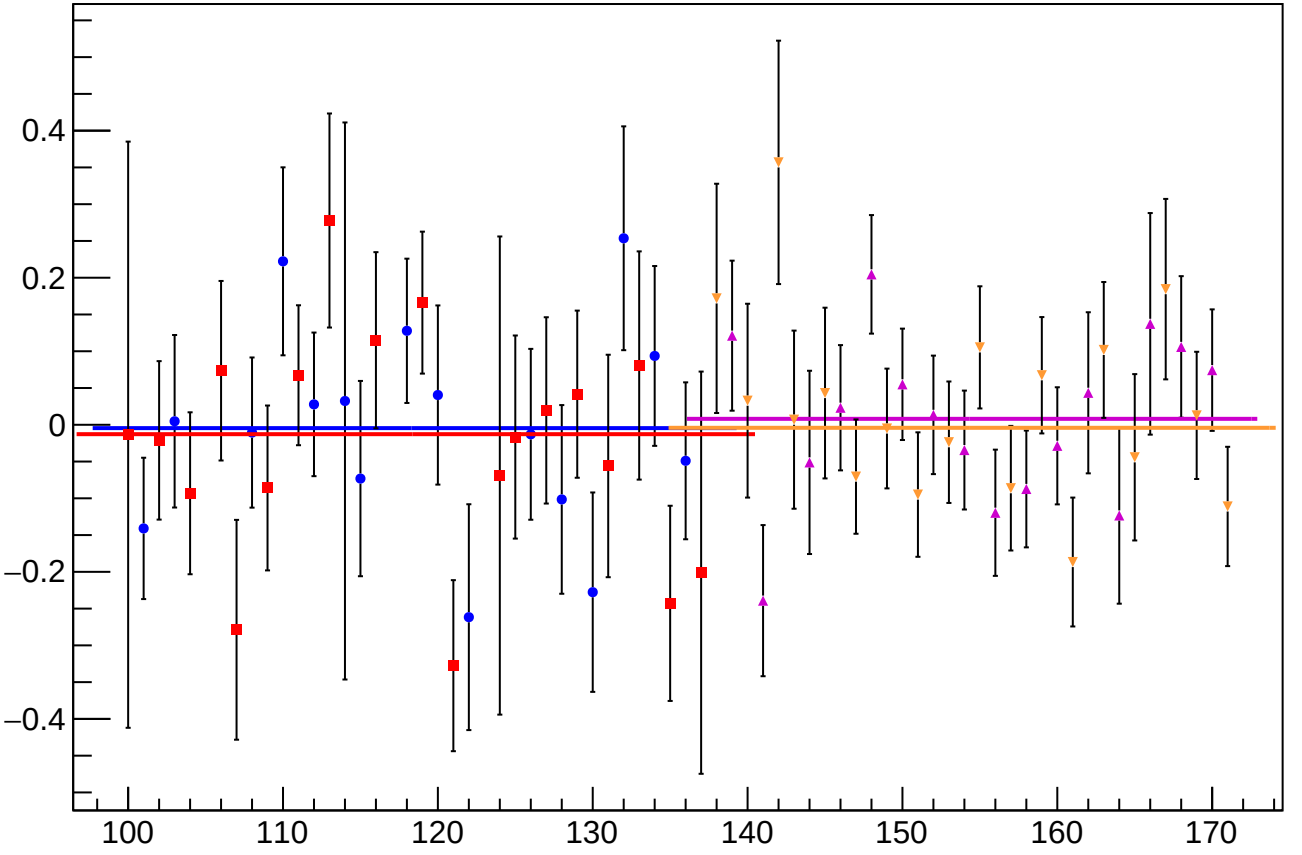
Left In: 0.000+/-0.000 χ^2/NDF:1800289.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 5640198.5/33

All: 0.000+/-0.000 χ^2/NDF: 11103759.4/68

- sign 0.000+/-0.000 χ^2/NDF: 5326854.7/34

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

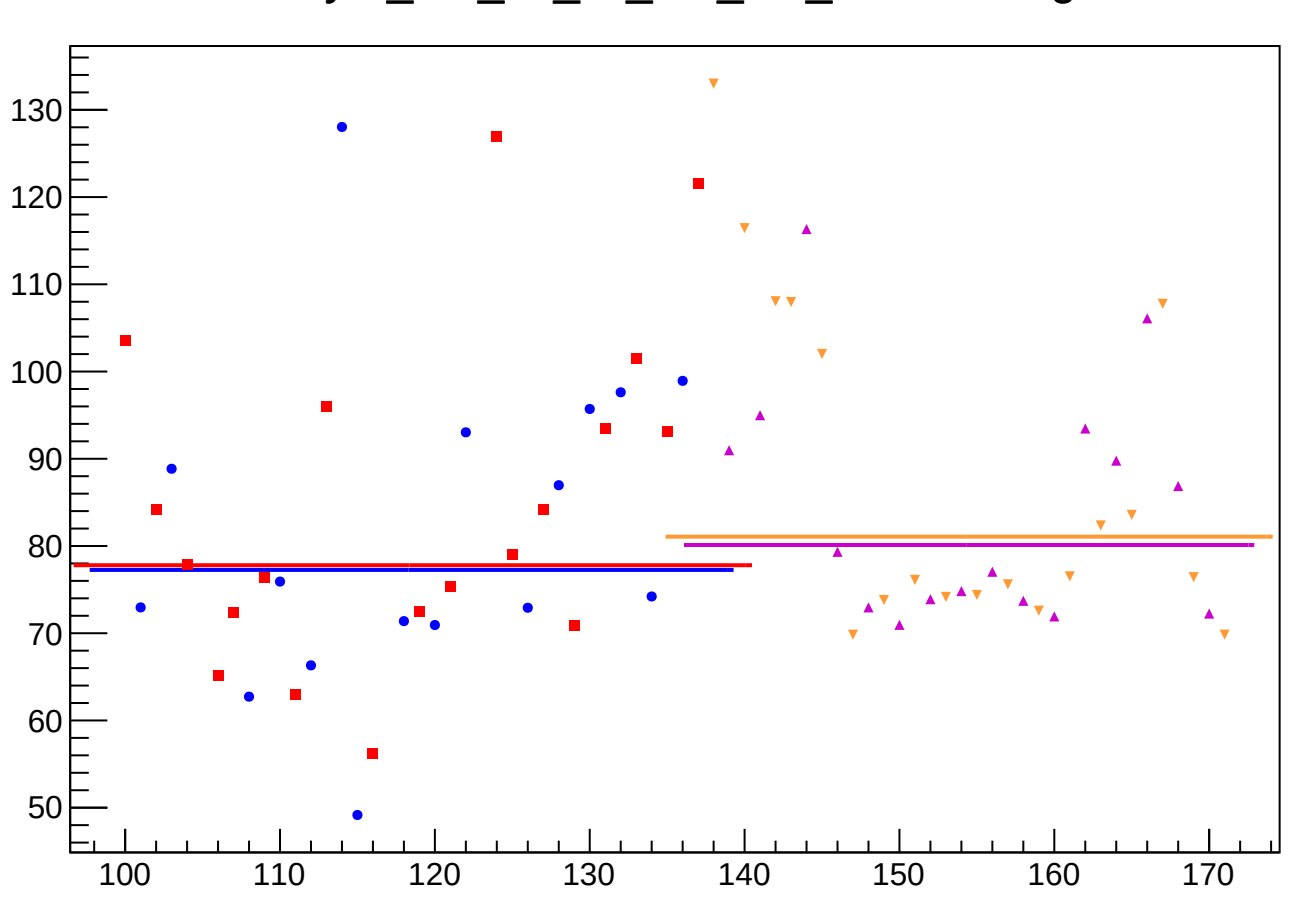
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.023 χ^2/NDF:21.5/15

+ sign -0.004+/-0.018 χ^2/NDF: 38.9/33

All: -0.002+/-0.013 χ^2/NDF: 86.2/68

- sign 0.000+/-0.018 χ^2/NDF: 47.2/34



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.071+/-0.016 χ^2/NDF:851185.9/17

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

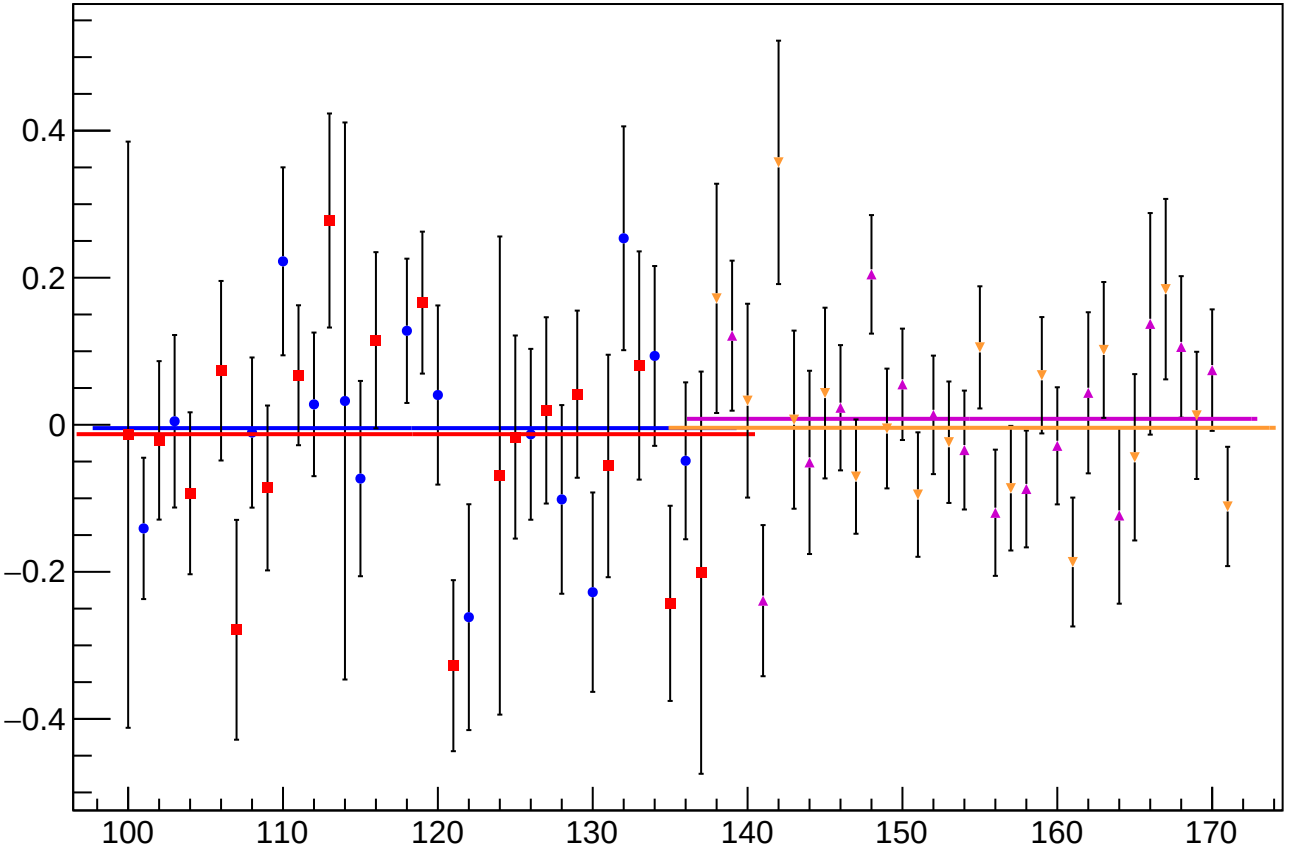
Left In: 80.116+/-0.016 χ^2/NDF:465884.9/15

+ sign 79.713+/-0.013 χ^2/NDF: 1291198.0/33

All: 79.488+/-0.009 χ^2/NDF: 2161879.7/68

- sign 79.259+/-0.013 χ^2/NDF: 870045.8/34

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

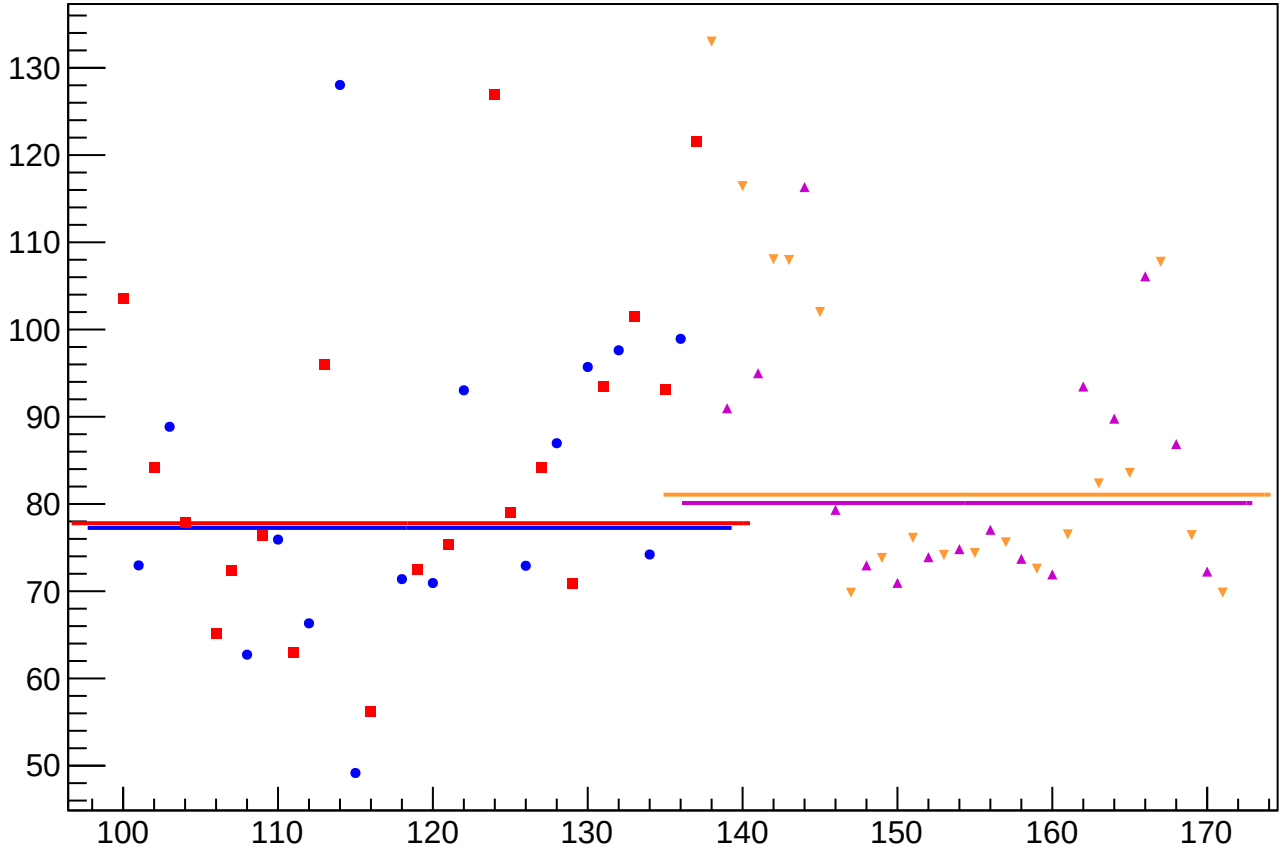
Left In: 0.008+/-0.023 χ^2/NDF:21.5/15

+ sign -0.004+/-0.018 χ^2/NDF: 38.9/33

All: -0.002+/-0.013 χ^2/NDF: 86.2/68

- sign 0.000+/-0.018 χ^2/NDF: 47.2/34

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.071+/-0.016 χ^2/NDF:851185.9/17

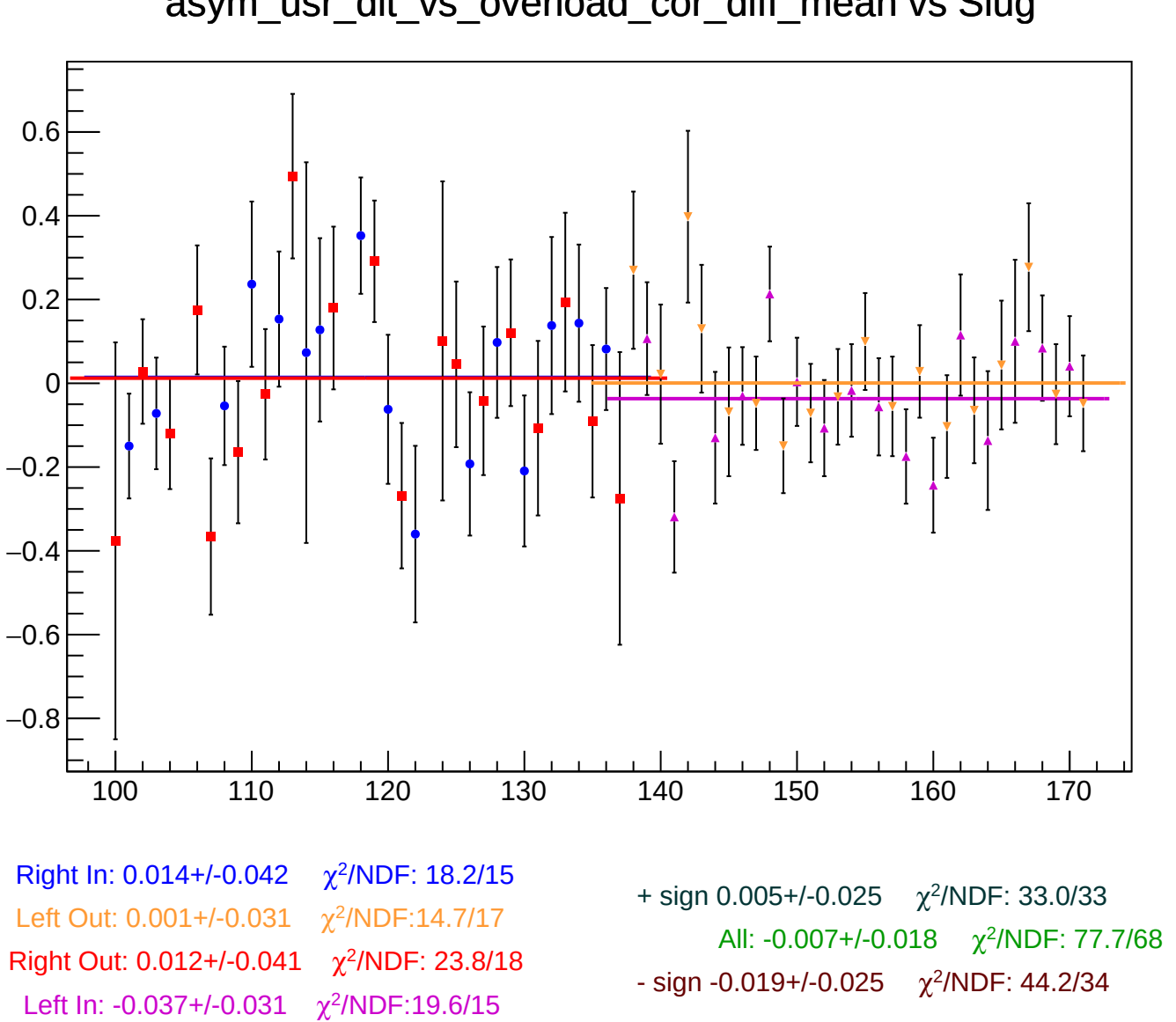
Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

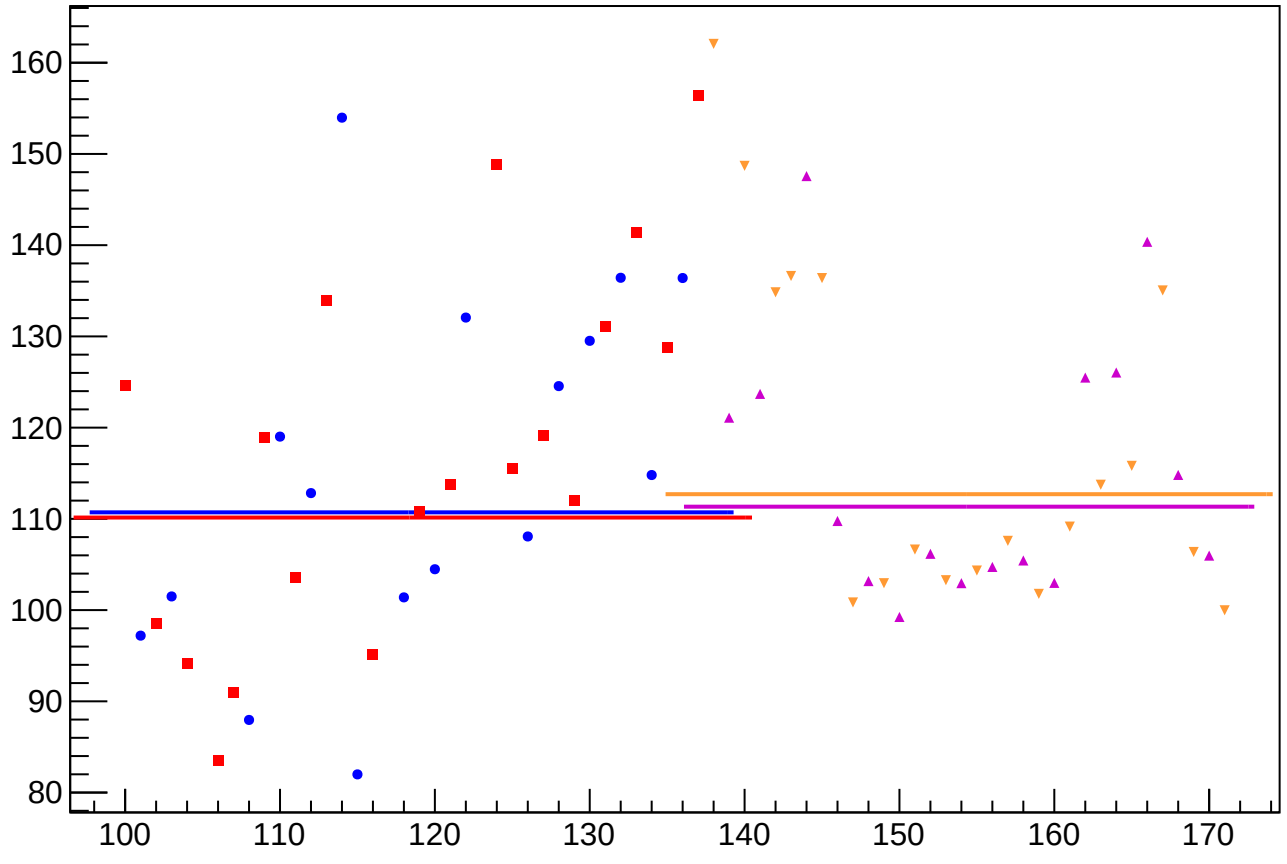
Left In: 80.116+/-0.016 χ^2/NDF:465884.9/15

+ sign 79.713+/-0.013 χ^2/NDF: 1291198.0/33

All: 79.488+/-0.009 χ^2/NDF: 2161879.7/68

- sign 79.259+/-0.013 χ^2/NDF: 870045.8/34


asym_usr_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.031 χ²/NDF:14.7/17
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.037+/-0.031 χ²/NDF:19.6/15
+ sign 0.005+/-0.025 χ²/NDF: 33.0/33
All: -0.007+/-0.018 χ²/NDF: 77.7/68
- sign -0.019+/-0.025 χ²/NDF: 44.2/34



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 112.705+/-0.022 χ^2/NDF:518193.3/17

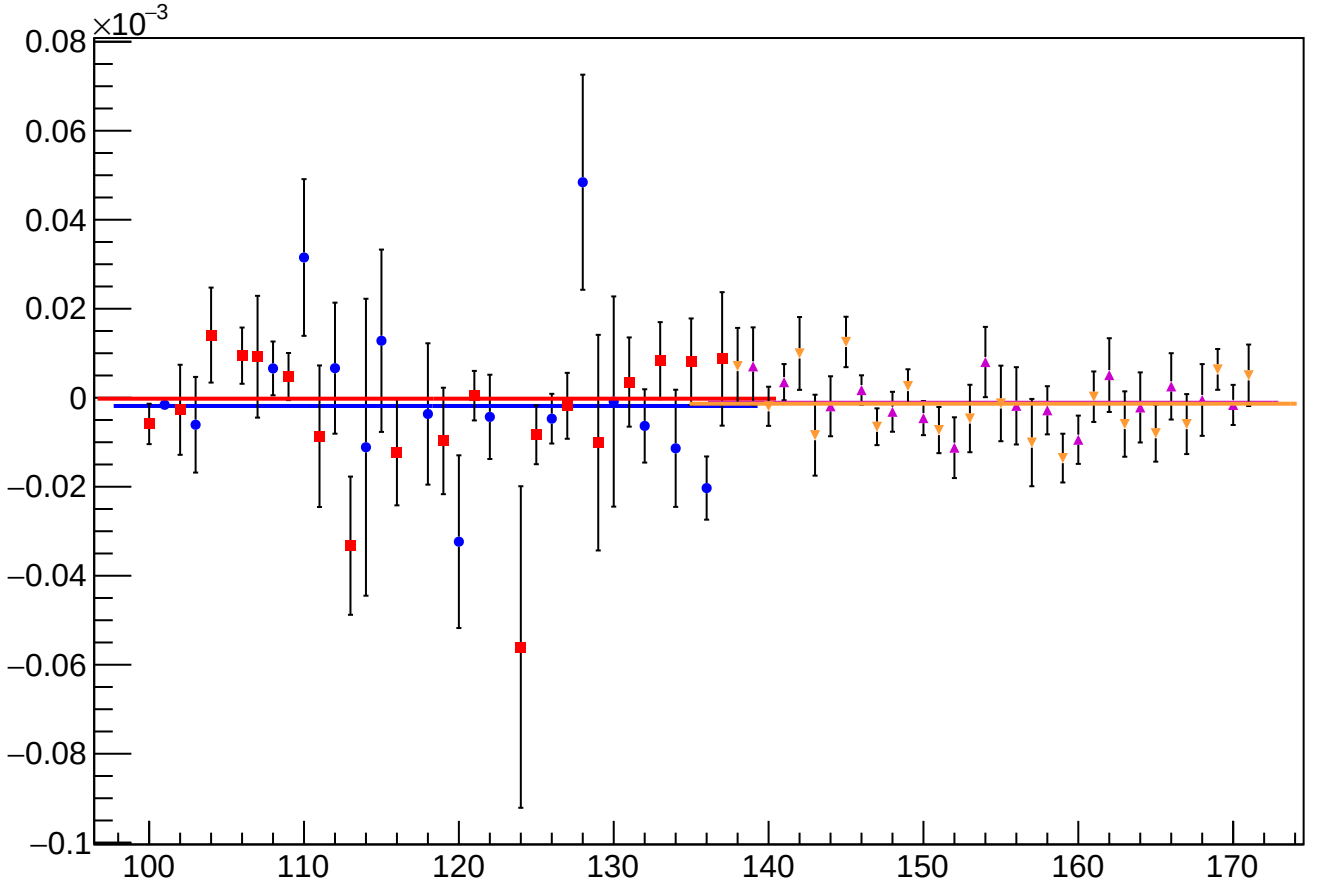
Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.336+/-0.022 χ^2/NDF:294452.0/15

+ sign 112.021+/-0.018 χ^2/NDF: 821078.4/33

All: 111.465+/-0.012 χ^2/NDF: 1445342.8/68

- sign 110.903+/-0.018 χ^2/NDF: 622237.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

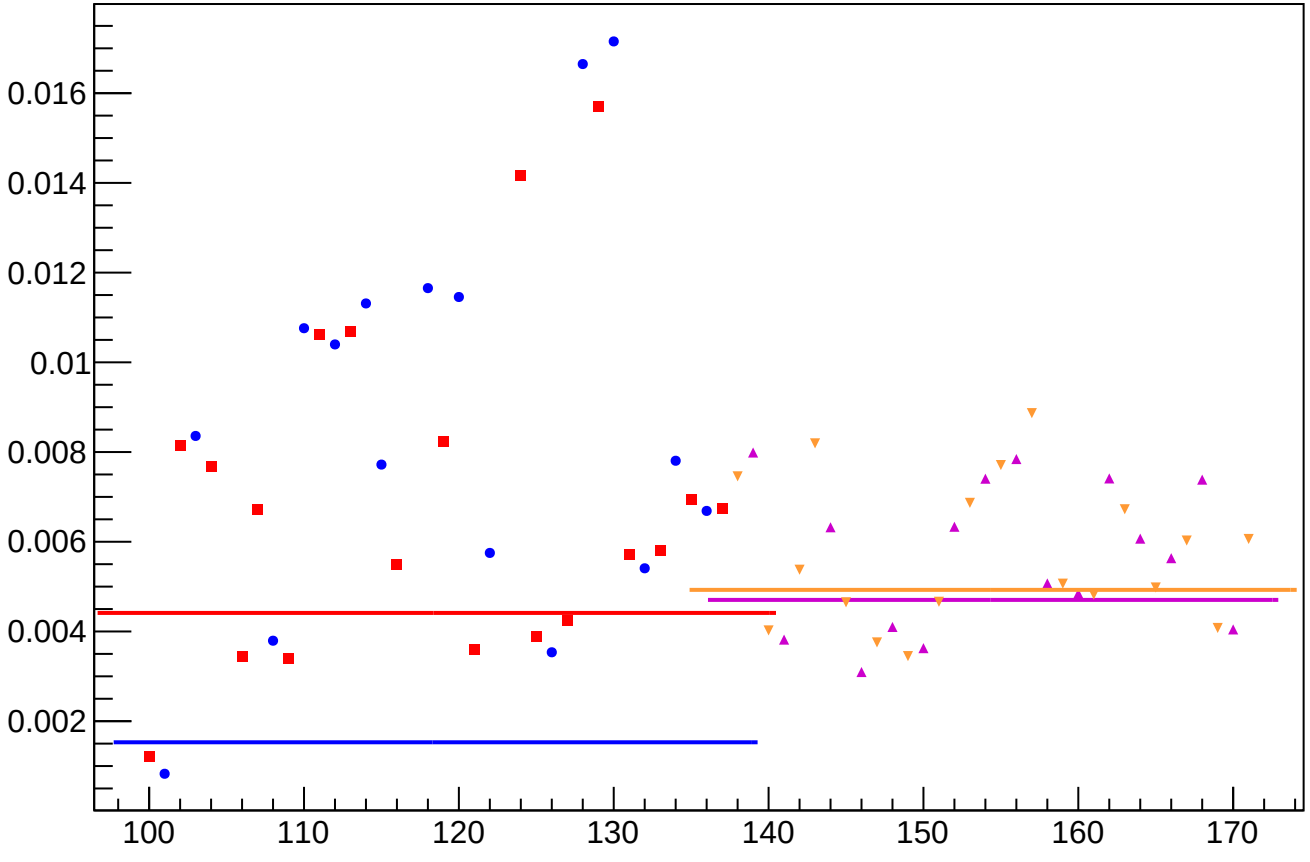
Left In: -0.000+/-0.000 χ^2/NDF:10.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/33

All: -0.000+/-0.000 χ^2/NDF: 77.8/68

- sign -0.000+/-0.000 χ^2/NDF: 30.8/34

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:1965196.5/17

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

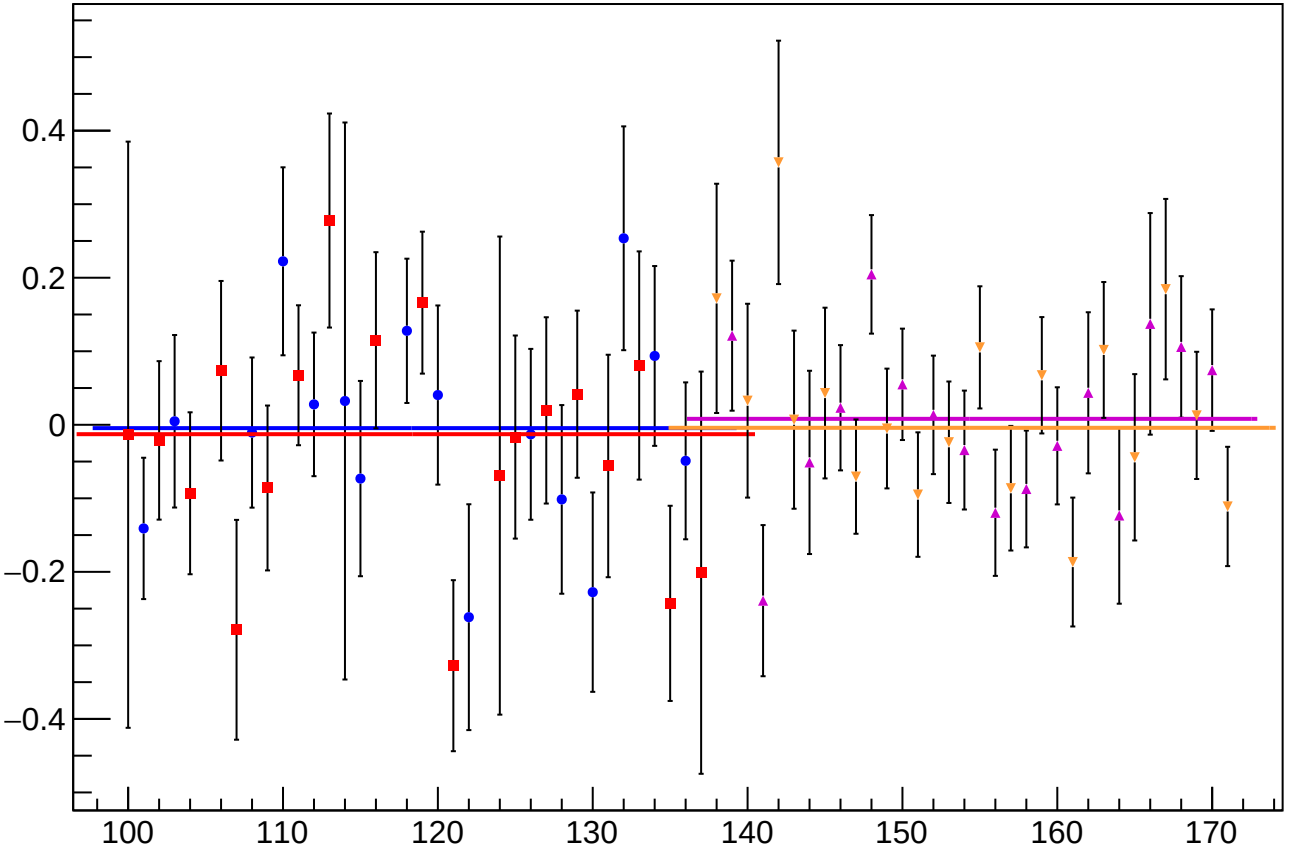
Left In: 0.005+/-0.000 χ^2/NDF:2345162.8/15

+ sign 0.003+/-0.000 χ^2/NDF: 19327897.0/33

All: 0.003+/-0.000 χ^2/NDF: 29128565.6/68

- sign 0.005+/-0.000 χ^2/NDF: 5763468.2/34

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

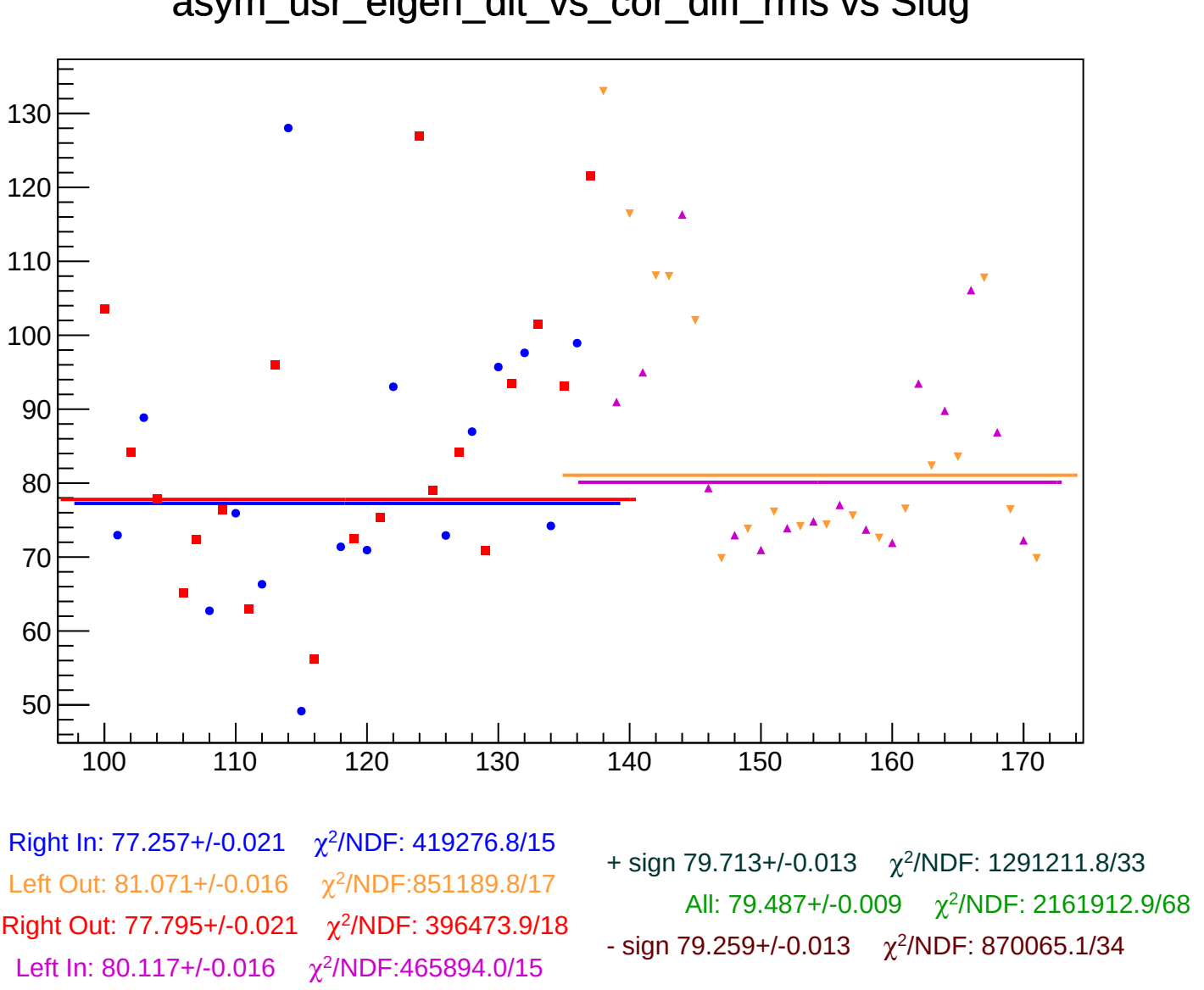
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

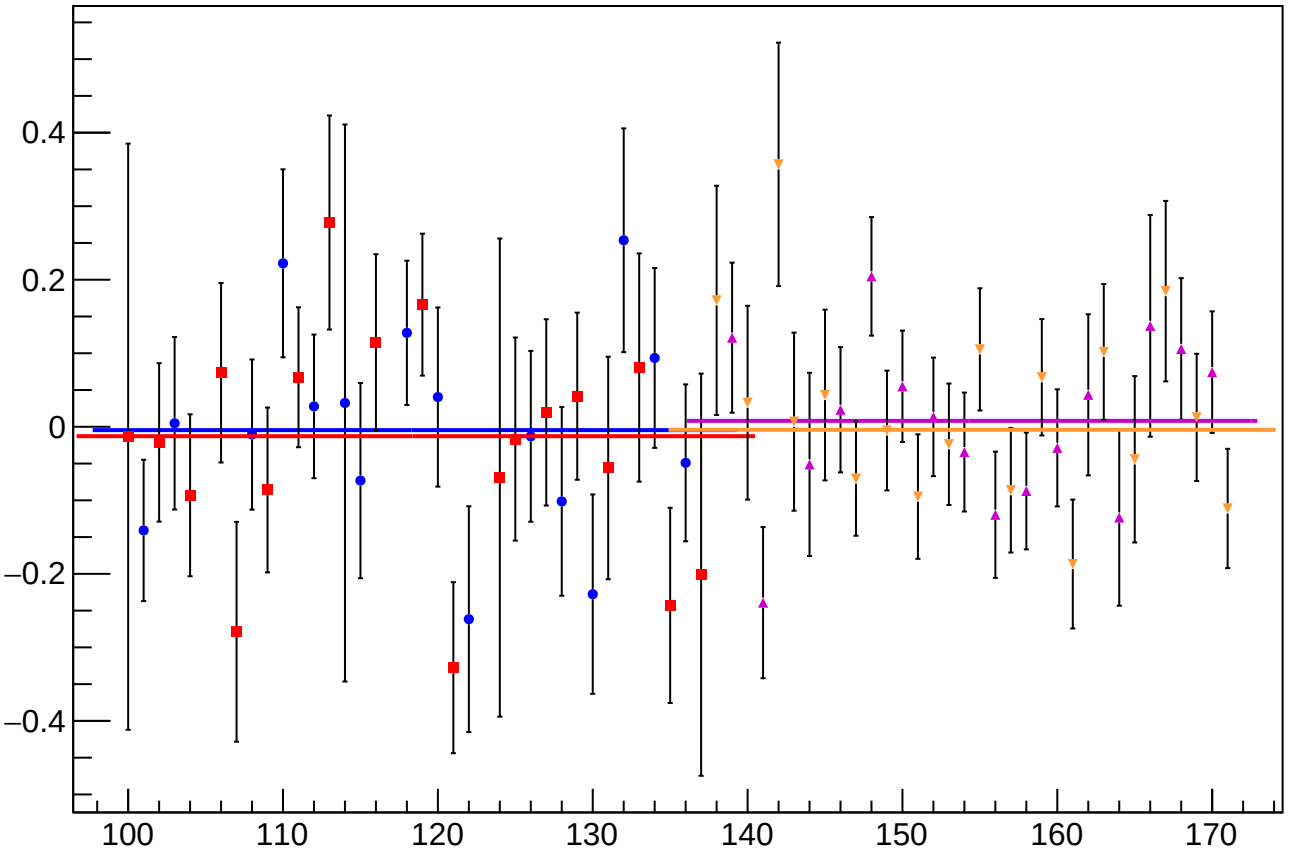
Left In: 0.008+/-0.023 χ^2/NDF:21.5/15

+ sign -0.004+/-0.018 χ^2/NDF: 38.9/33

All: -0.002+/-0.013 χ^2/NDF: 86.2/68

- sign 0.000+/-0.018 χ^2/NDF: 47.2/34


asym_usr_eigen_dit_vs_cor_diff_rms vs Slug
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
160
170
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 81.071+/-0.016 χ²/NDF:851189.8/17
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 80.117+/-0.016 χ²/NDF:465894.0/15
+ sign 79.713+/-0.013 χ²/NDF: 1291211.8/33
All: 79.487+/-0.009 χ²/NDF: 2161912.9/68
- sign 79.259+/-0.013 χ²/NDF: 870065.1/34



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

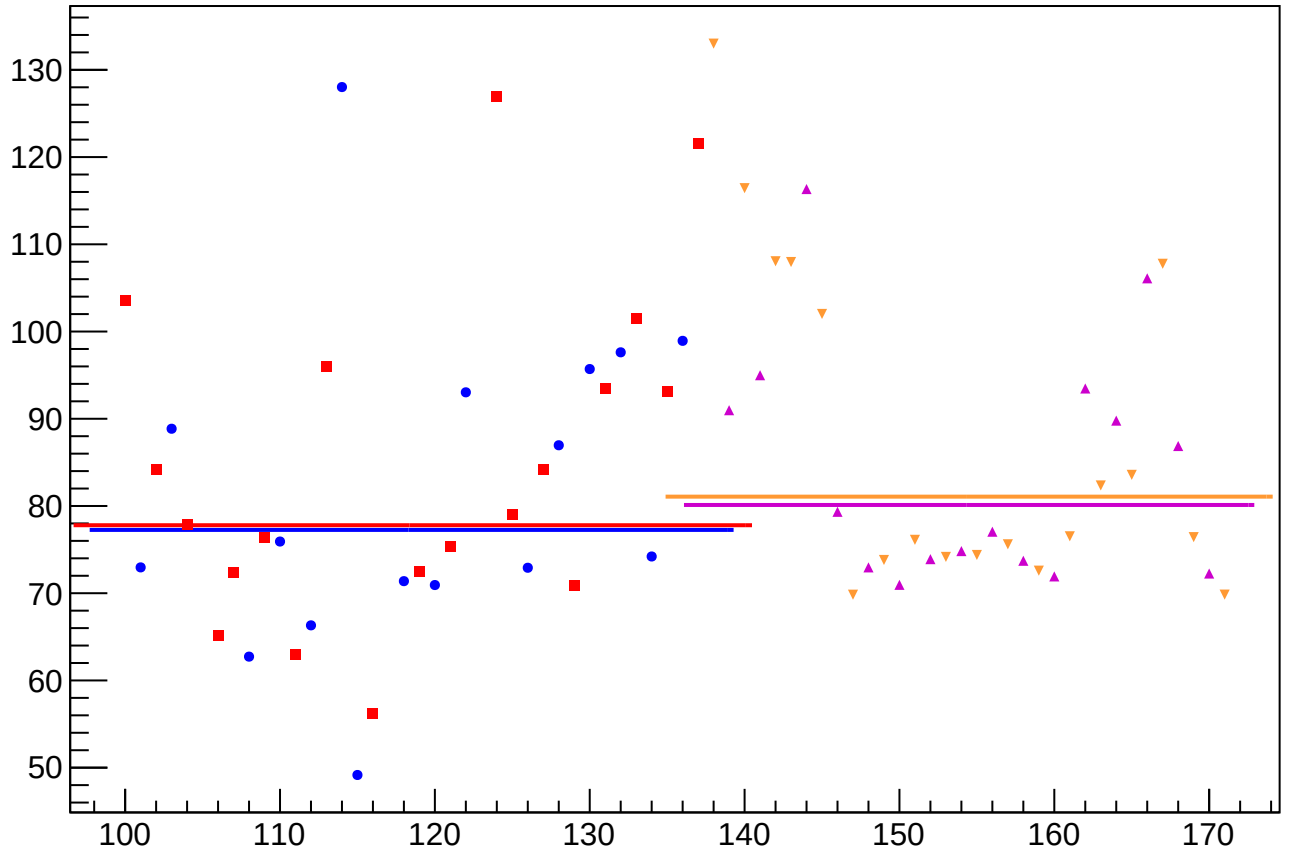
Right Out: -0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.023 χ^2/NDF:21.5/15

+ sign -0.004+/-0.018 χ^2/NDF: 38.9/33

All: -0.002+/-0.013 χ^2/NDF: 86.2/68

- sign 0.000+/-0.018 χ^2/NDF: 47.2/34



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.071+/-0.016 χ^2/NDF:851189.8/17

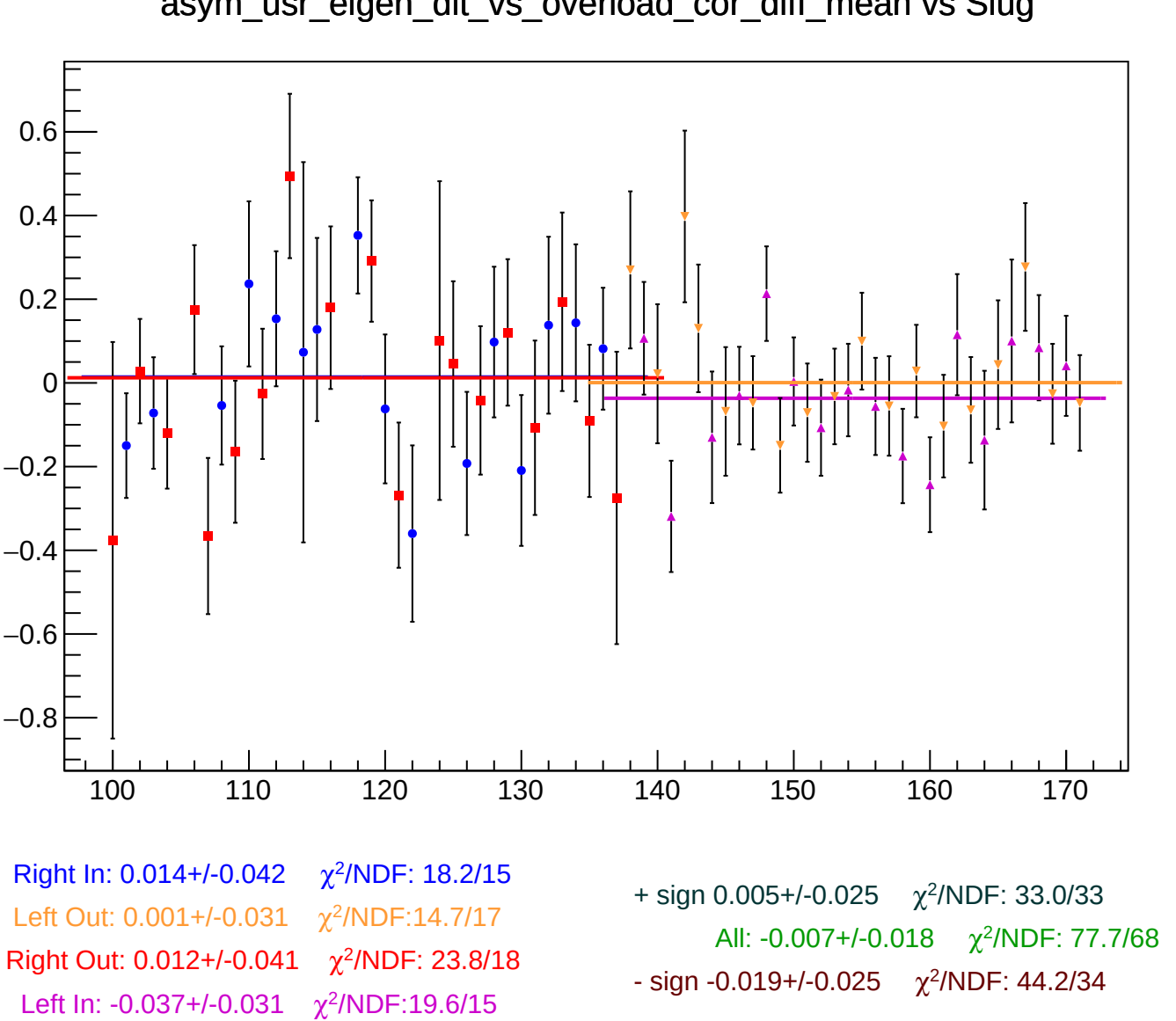
Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

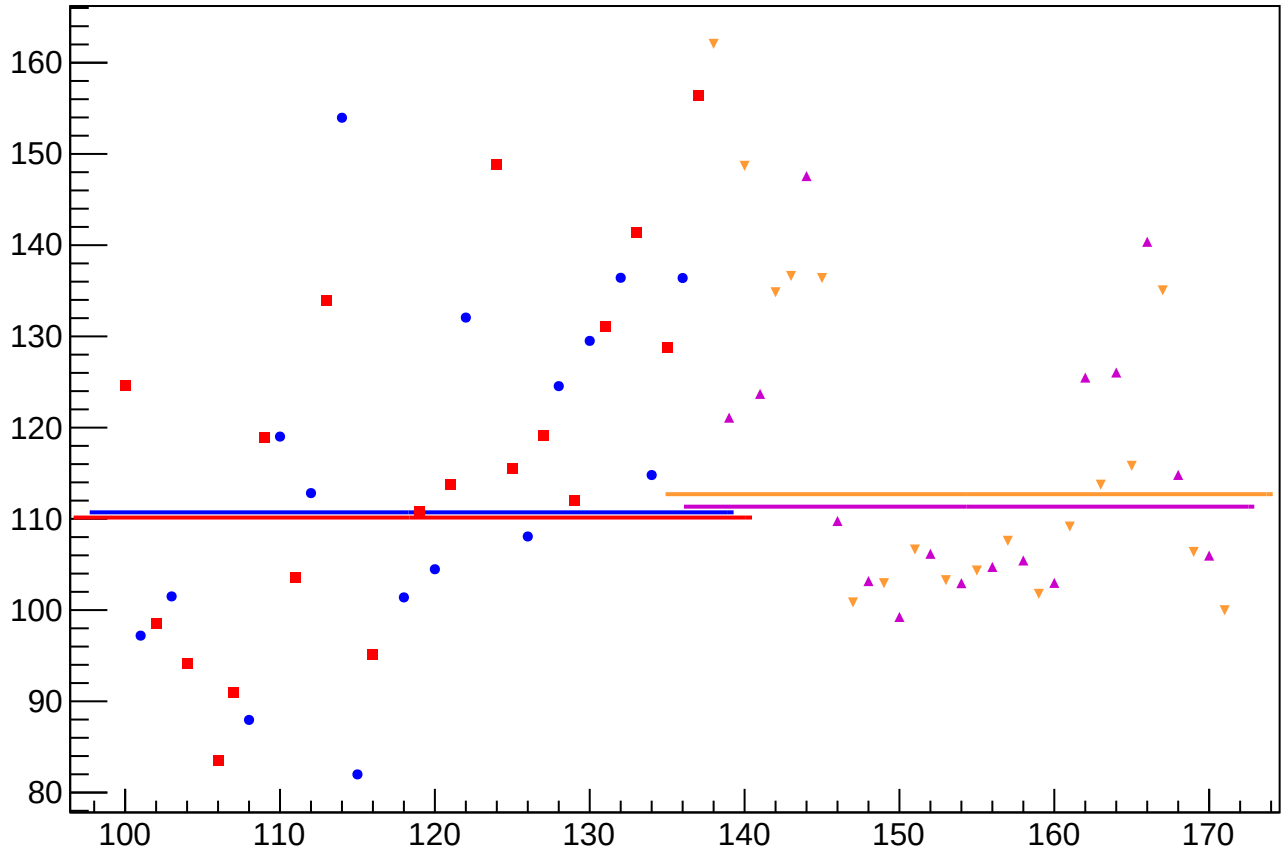
Left In: 80.117+/-0.016 χ^2/NDF:465894.0/15

+ sign 79.713+/-0.013 χ^2/NDF: 1291211.8/33

All: 79.487+/-0.009 χ^2/NDF: 2161912.9/68

- sign 79.259+/-0.013 χ^2/NDF: 870065.1/34


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.031 χ²/NDF:14.7/17
Right Out: 0.012+/-0.041 χ²/NDF: 23.8/18
Left In: -0.037+/-0.031 χ²/NDF:19.6/15
+ sign 0.005+/-0.025 χ²/NDF: 33.0/33
All: -0.007+/-0.018 χ²/NDF: 77.7/68
- sign -0.019+/-0.025 χ²/NDF: 44.2/34



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 112.706+/-0.022 χ^2/NDF:518194.4/17

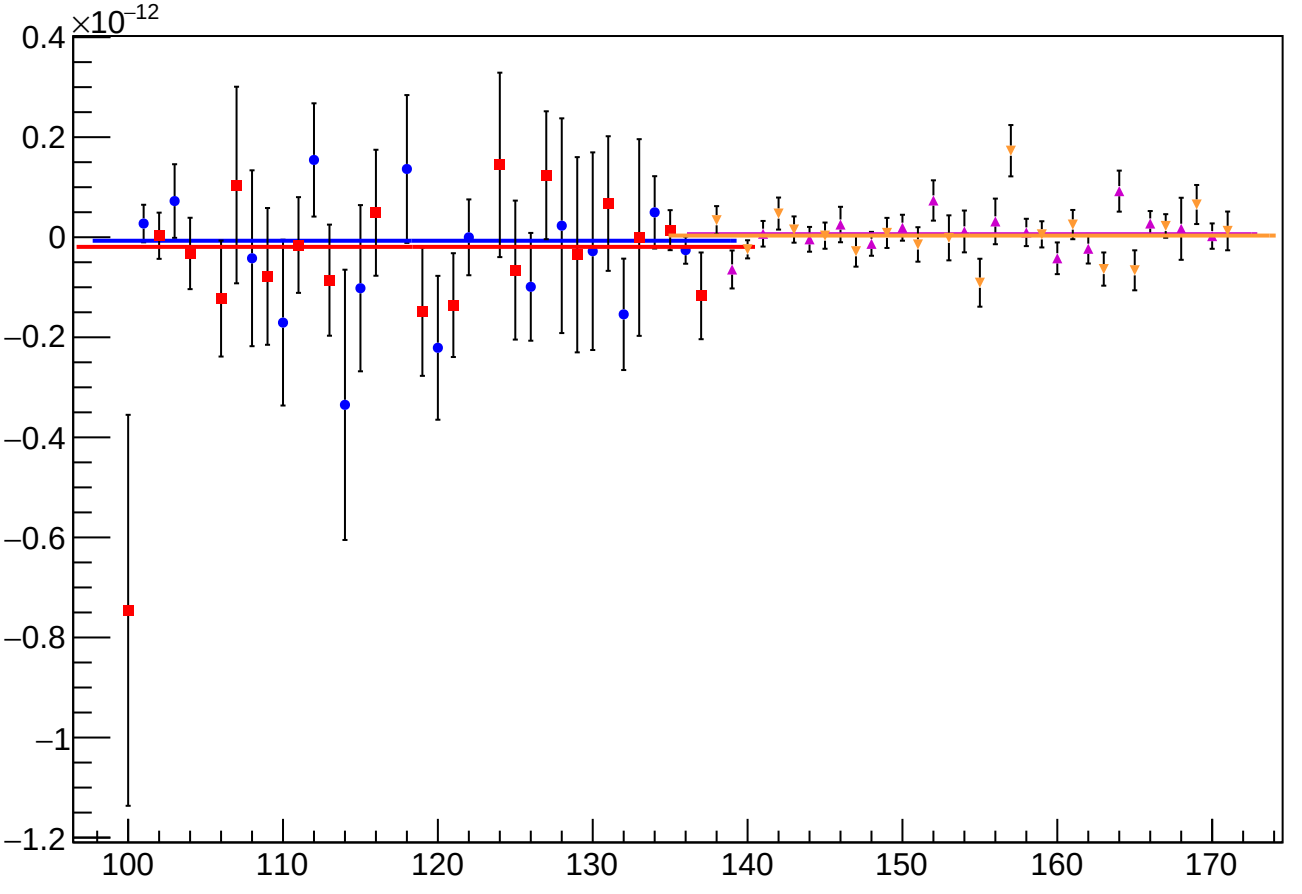
Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.336+/-0.022 χ^2/NDF:294457.0/15

+ sign 112.021+/-0.018 χ^2/NDF: 821058.8/33

All: 111.465+/-0.012 χ^2/NDF: 1445300.5/68

- sign 110.903+/-0.018 χ^2/NDF: 622214.4/34



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

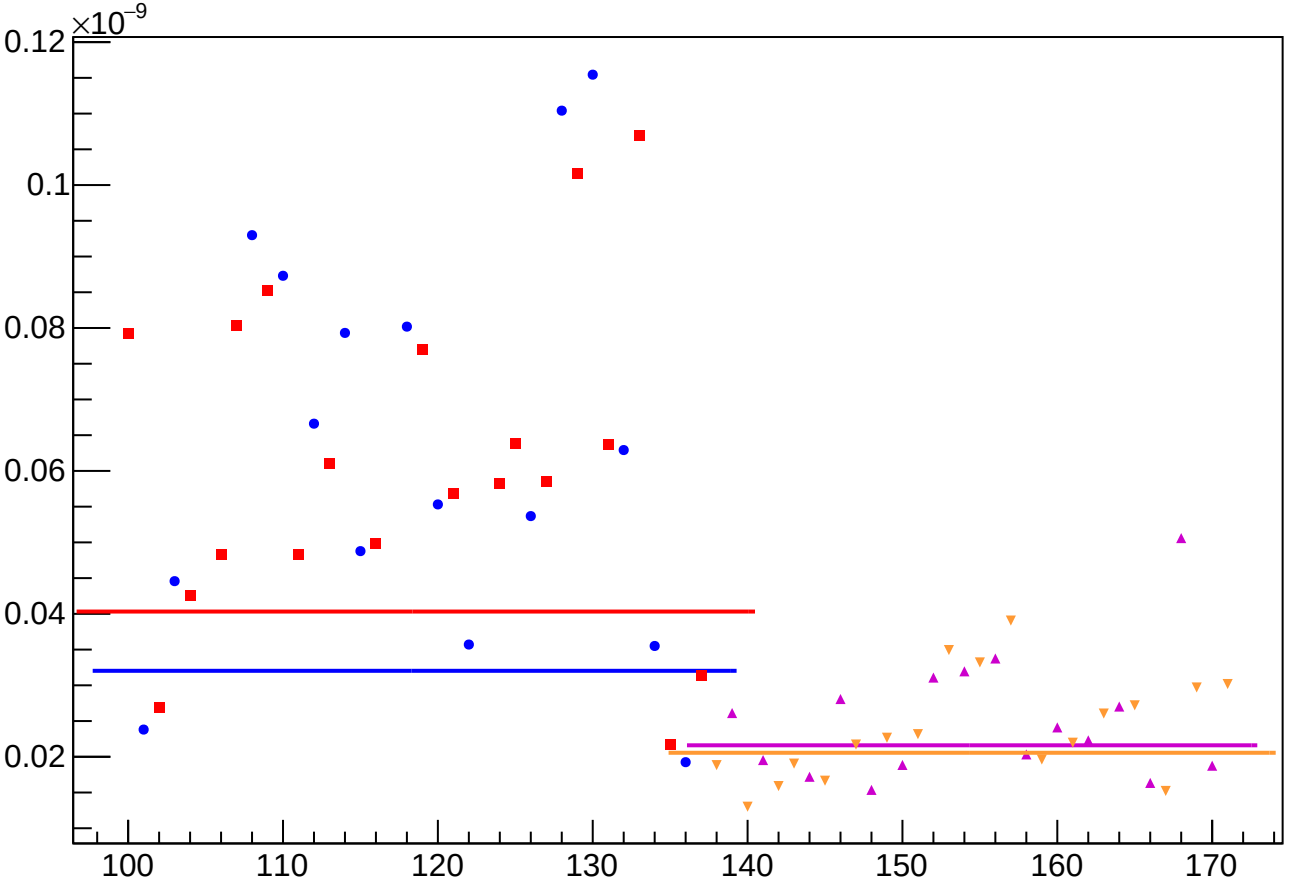
Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/33

All: 0.000+/-0.000 χ^2/NDF: 76.8/68

- sign 0.000+/-0.000 χ^2/NDF: 30.3/34

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:1527706.8/17

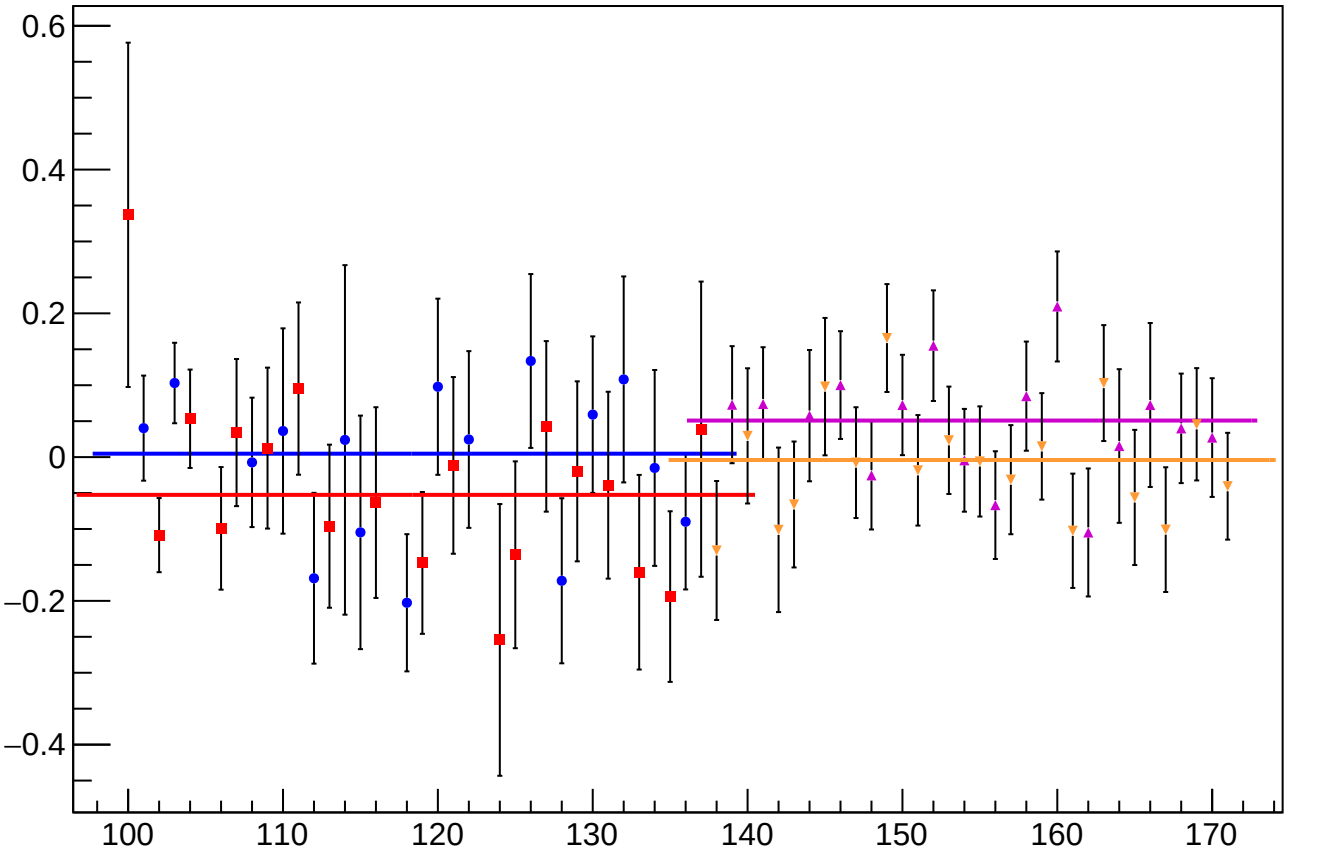
Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1309751.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 4694957.6/33

All: 0.000+/-0.000 χ^2/NDF: 9316826.3/68

- sign 0.000+/-0.000 χ^2/NDF: 4564137.3/34



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.019 χ^2/NDF:15.2/17

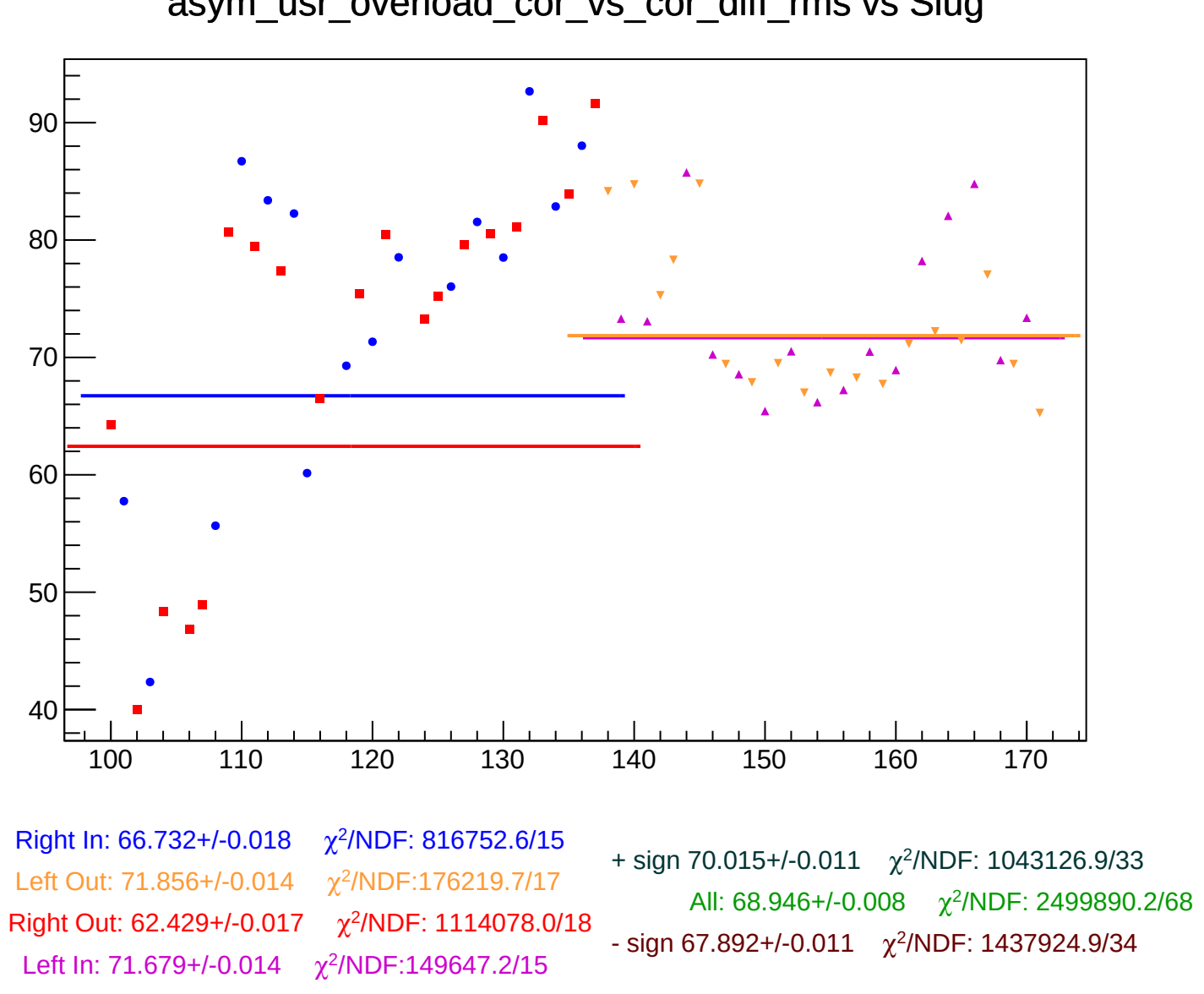
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

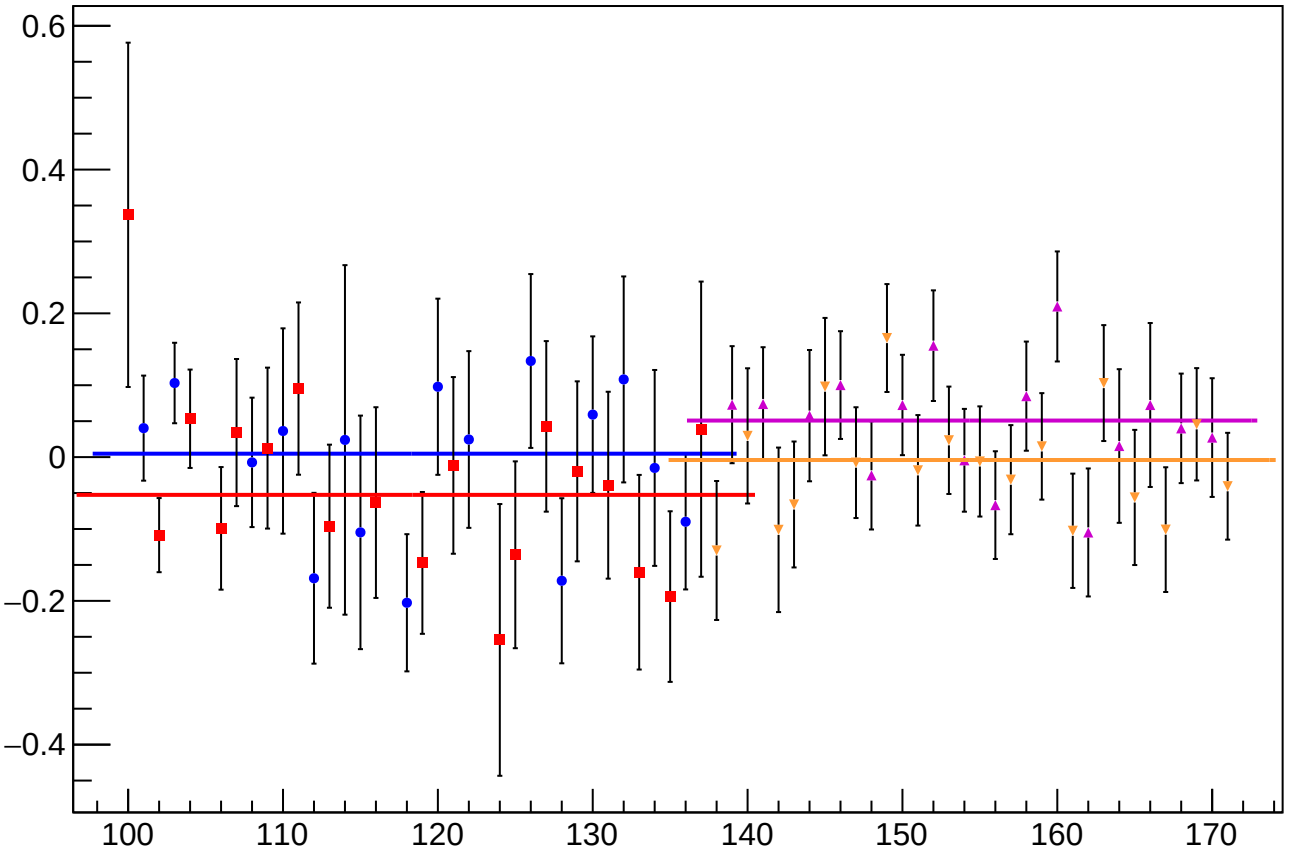
Left In: 0.051+/-0.020 χ^2/NDF:14.4/15

+ sign -0.001+/-0.016 χ^2/NDF: 31.8/33

All: 0.004+/-0.011 χ^2/NDF: 72.1/68

- sign 0.009+/-0.015 χ^2/NDF: 40.1/34


asym_usr_overload_cor_vs_cor_diff_rms vs Slug
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 71.856+/-0.014 χ²/NDF:176219.7/17
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.679+/-0.014 χ²/NDF:149647.2/15
+ sign 70.015+/-0.011 χ²/NDF: 1043126.9/33
All: 68.946+/-0.008 χ²/NDF: 2499890.2/68
- sign 67.892+/-0.011 χ²/NDF: 1437924.9/34



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.019 χ^2/NDF:15.2/17

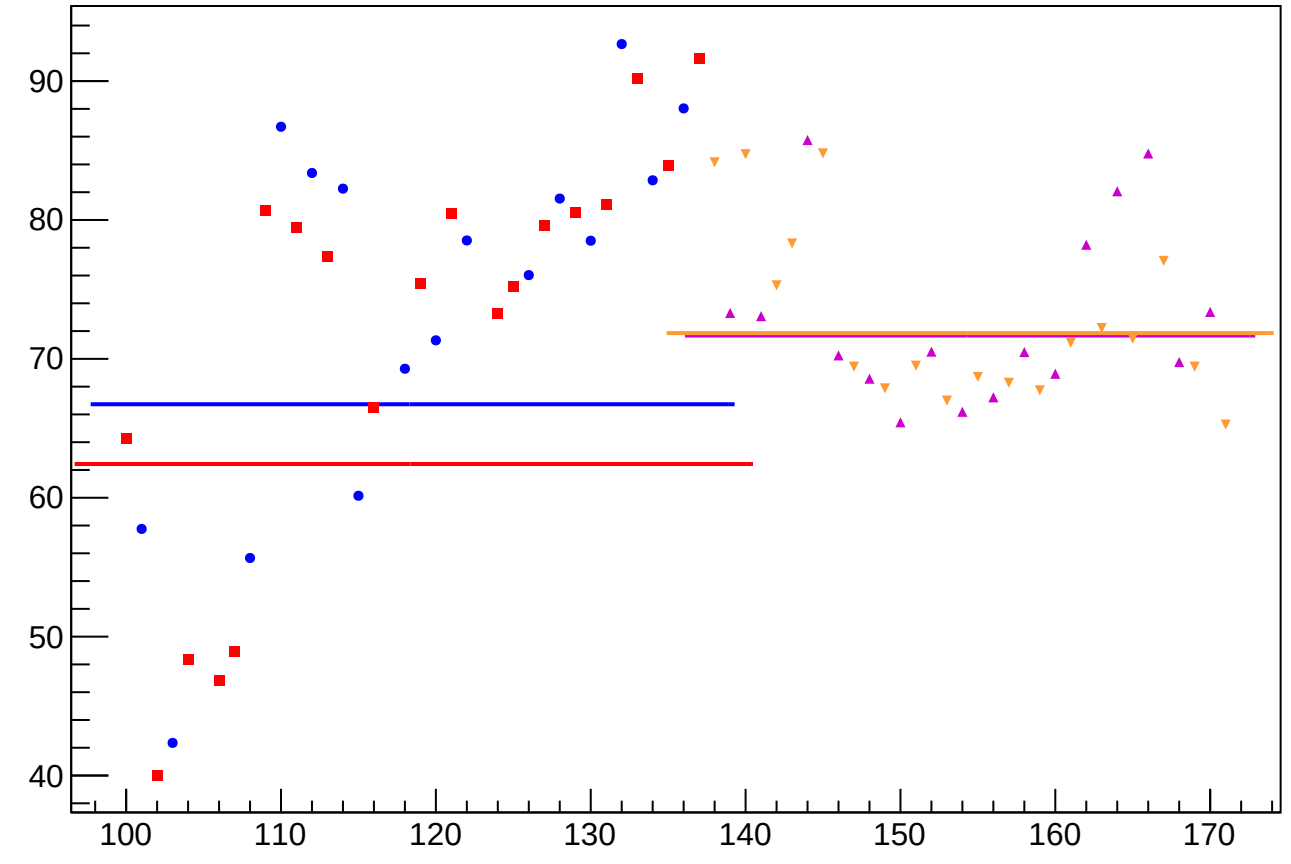
Right Out: -0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: 0.051+/-0.020 χ^2/NDF:14.4/15

+ sign -0.001+/-0.016 χ^2/NDF: 31.8/33

All: 0.004+/-0.011 χ^2/NDF: 72.1/68

- sign 0.009+/-0.015 χ^2/NDF: 40.1/34



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.856+/-0.014 χ^2/NDF:176219.7/17

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

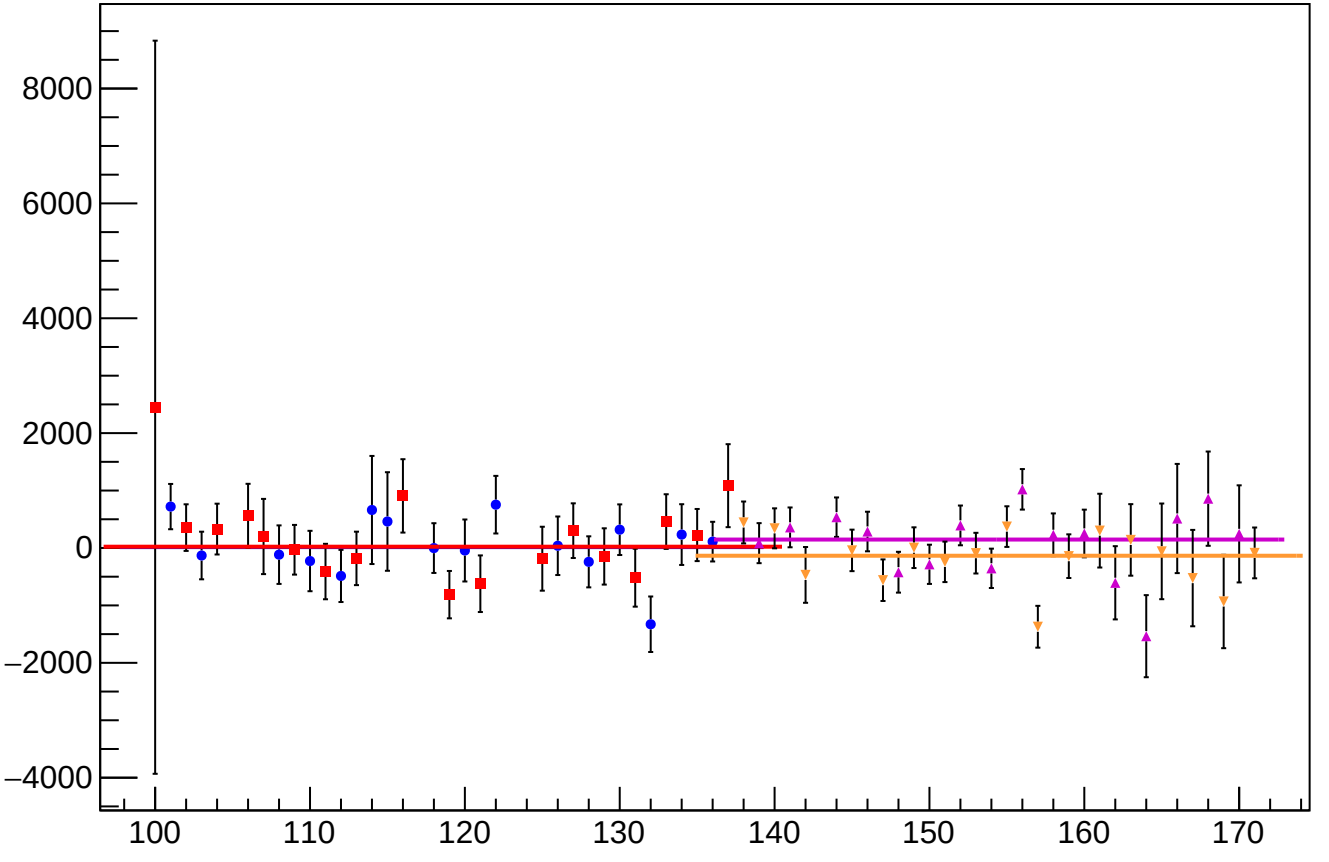
Left In: 71.679+/-0.014 χ^2/NDF:149647.2/15

+ sign 70.015+/-0.011 χ^2/NDF: 1043126.9/33

All: 68.946+/-0.008 χ^2/NDF: 2499890.2/68

- sign 67.892+/-0.011 χ^2/NDF: 1437924.9/34

asym_dsl_mean vs Slug



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -135.127+/-101.931 χ^2/NDF:22.0/16

Right Out: 22.145+/-119.211 χ^2/NDF: 16.0/17

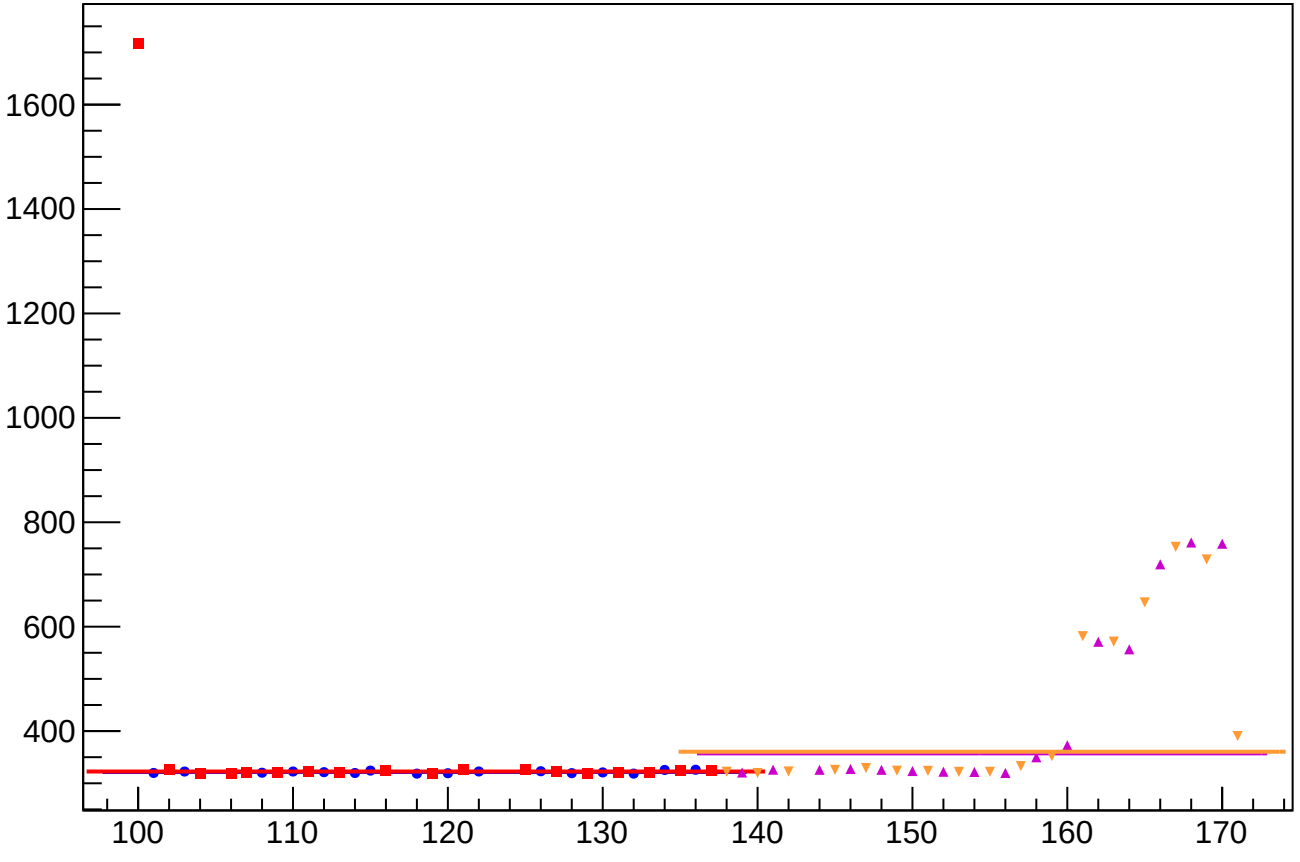
Left In: 146.748+/-101.926 χ^2/NDF:22.8/15

\+ sign -71.640+/-77.532 χ^2/NDF: 39.5/32

All: 11.311+/-54.802 χ^2/NDF: 81.2/66

\- sign 94.127+/-77.470 χ^2/NDF: 39.4/33

asym_dsl_rms vs Slug



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 360.484+/-0.072 χ^2/NDF:1757532.7/16

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

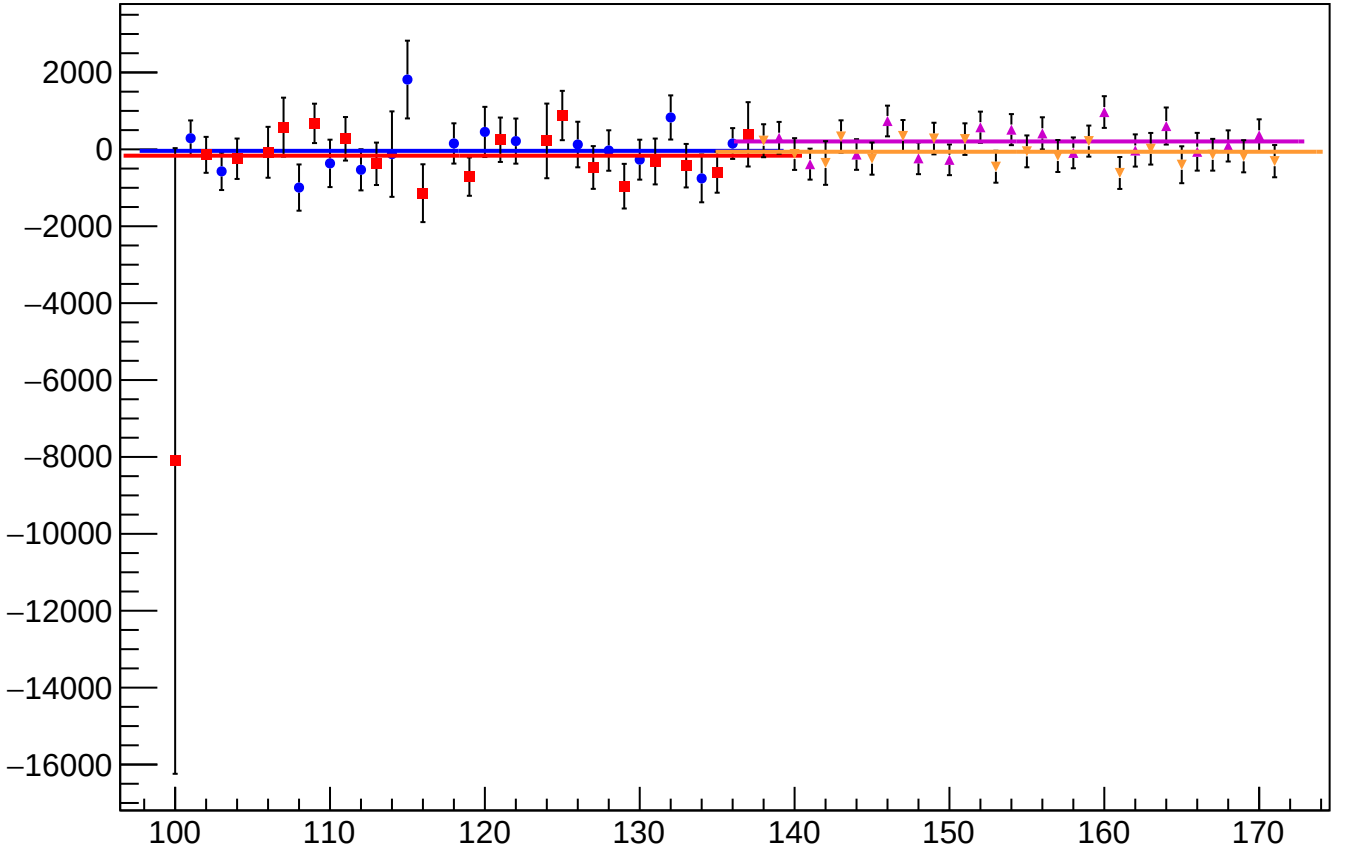
Left In: 357.318+/-0.072 χ^2/NDF:1780447.6/15

+ sign 344.099+/-0.055 χ^2/NDF: 1880989.3/32

All: 343.367+/-0.039 χ^2/NDF: 3856948.3/66

- sign 342.637+/-0.055 χ^2/NDF: 1975603.0/33

asym_dsr_mean vs Slug



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -62.645+/-99.895 χ^2/NDF:8.3/17

Right Out: -164.639+/-138.962 χ^2/NDF: 15.1/18

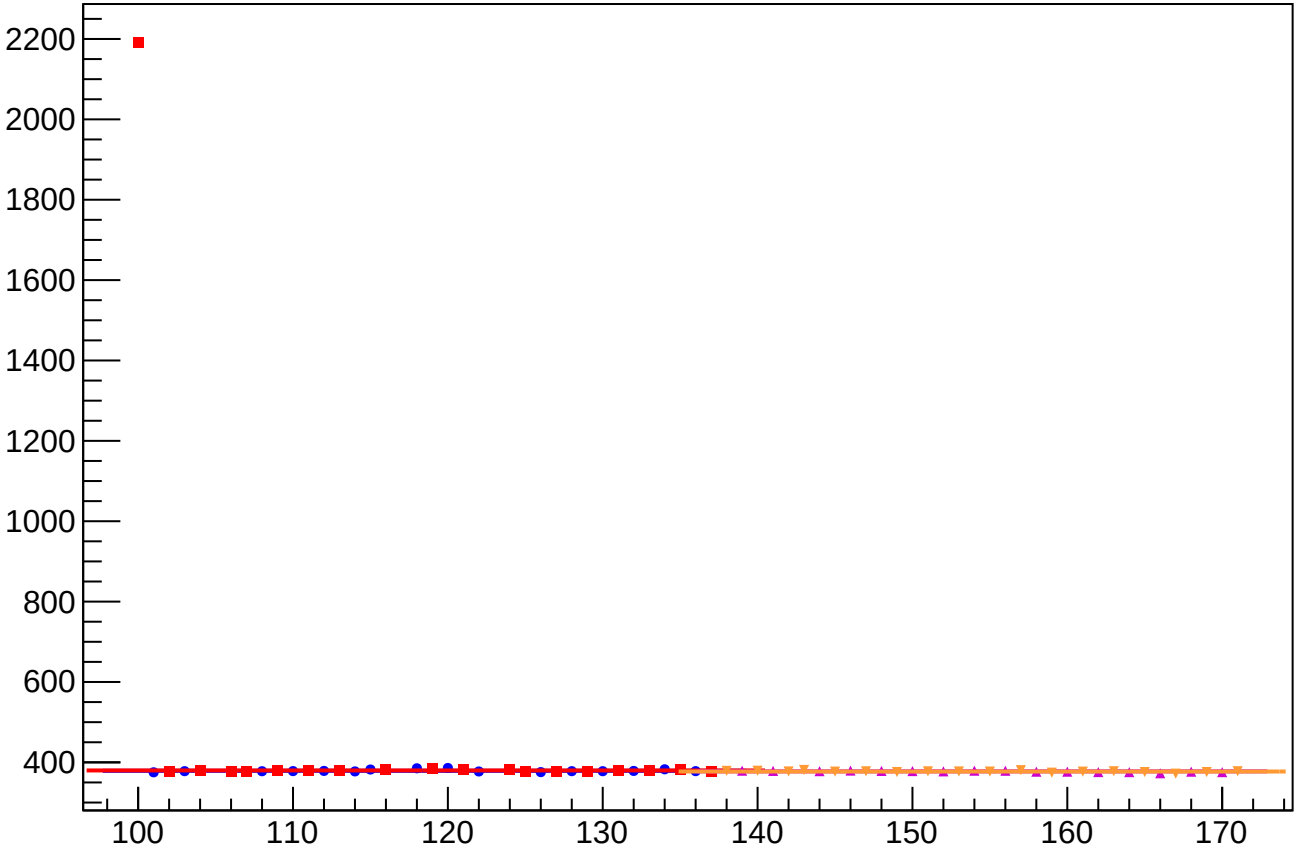
Left In: 205.553+/-103.849 χ^2/NDF:14.4/15

+ sign -54.694+/-81.457 χ^2/NDF: 22.0/33

All: 7.761+/-58.201 χ^2/NDF: 57.3/68

- sign 72.894+/-83.186 χ^2/NDF: 34.1/34

asym_dsr_rms vs Slug



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.217+/-0.071 χ^2/NDF:882.0/17

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

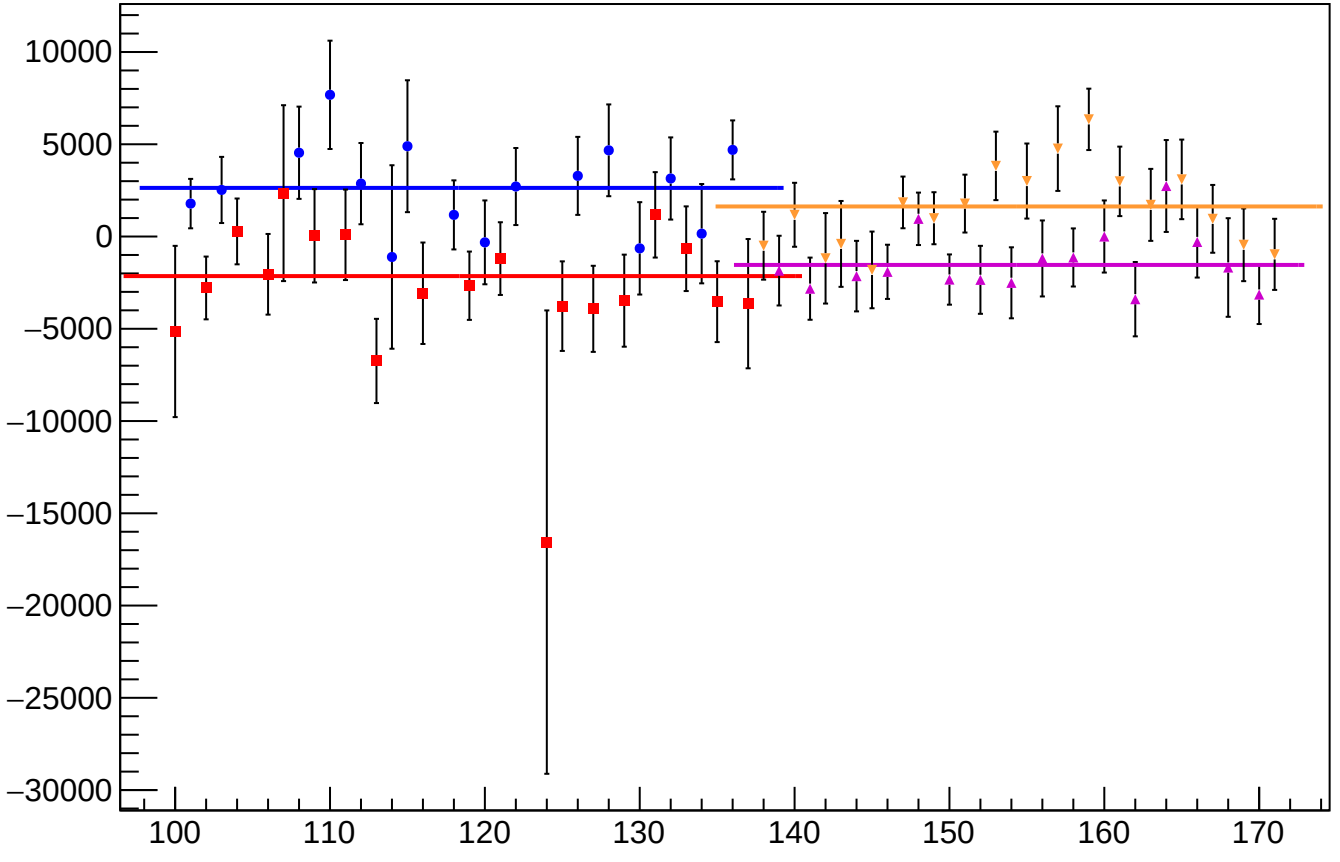
Left In: 377.594+/-0.073 χ^2/NDF:503.5/15

+ sign 377.784+/-0.058 χ^2/NDF: 1925.8/33

All: 378.092+/-0.041 χ^2/NDF: 102455.6/68

- sign 378.412+/-0.059 χ^2/NDF: 100471.7/34

asym_us_agg_avg_mean vs Slug



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

Left Out: 1628.937+/-434.480 χ^2/NDF:22.3/17

Right Out: -2144.569+/-546.963 χ^2/NDF: 15.0/18

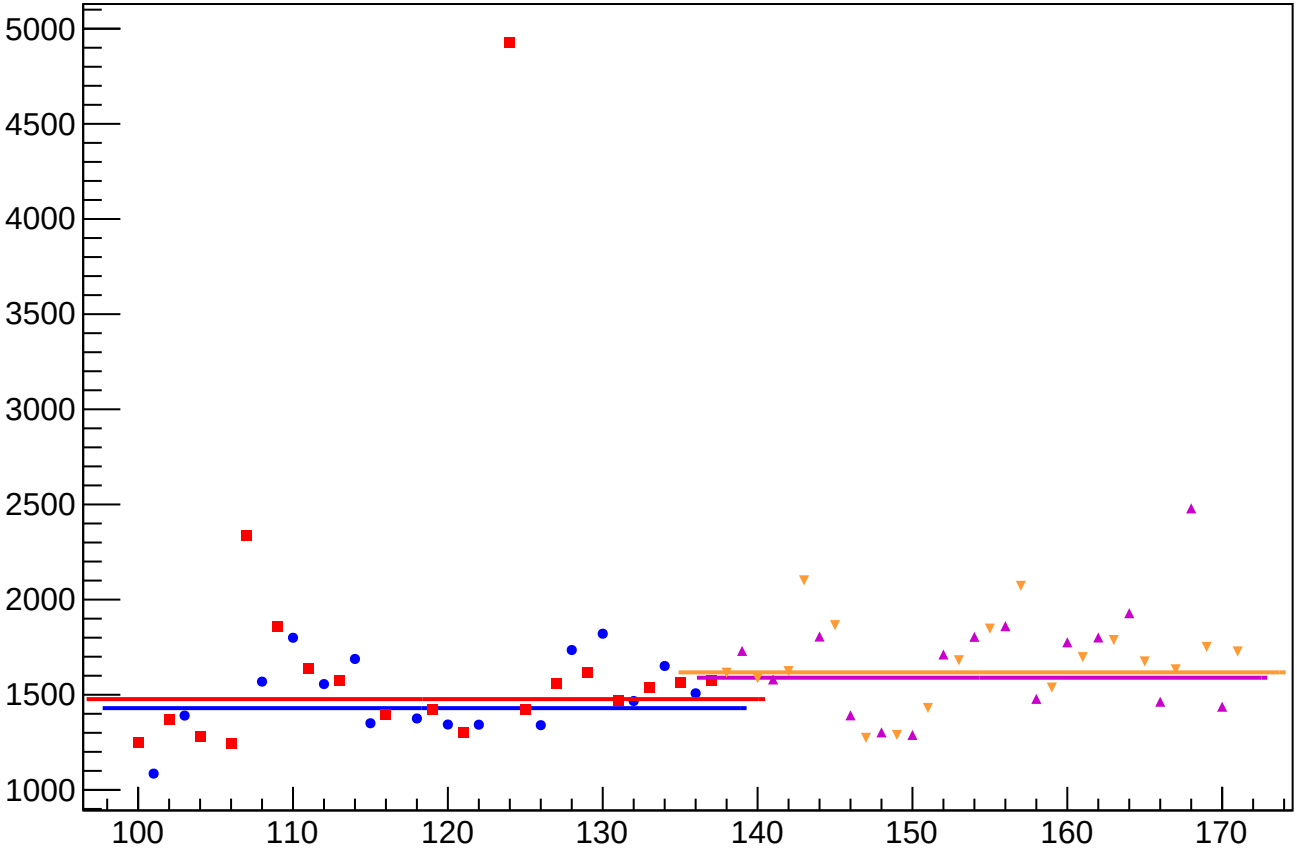
Left In: -1539.645+/-443.786 χ^2/NDF:10.6/15

+ sign 2026.199+/-338.026 χ^2/NDF: 36.7/33

All: 159.968+/-241.318 χ^2/NDF: 125.2/68

- sign -1779.786+/-344.620 χ^2/NDF: 26.4/34

asym_us_agg_avg_rms vs Slug



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

Left Out: 1617.680+/-0.307 χ^2/NDF:520917.3/17

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

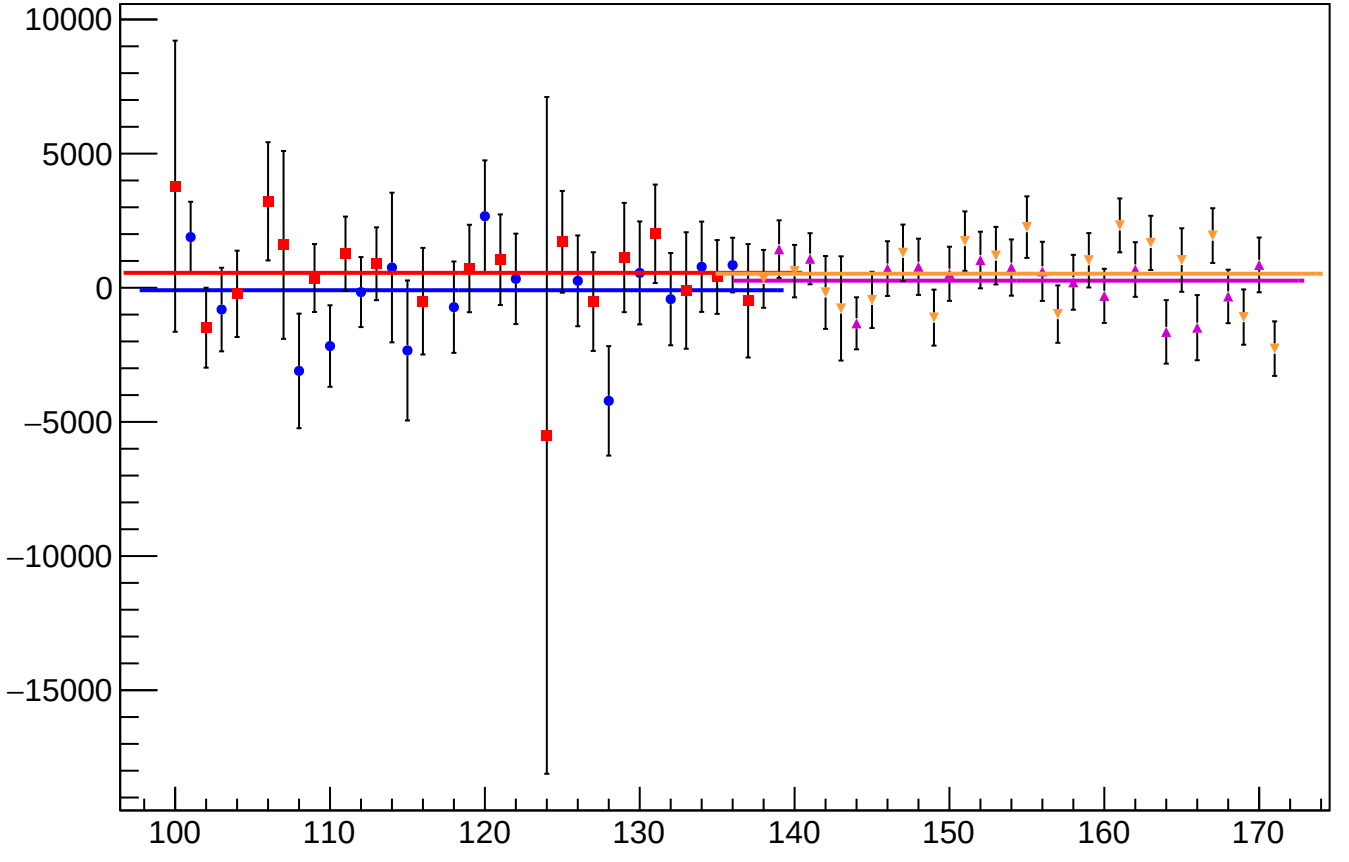
Left In: 1589.528+/-0.314 χ^2/NDF:656227.3/15

+ sign 1543.464+/-0.239 χ^2/NDF: 962151.2/33

All: 1544.171+/-0.171 χ^2/NDF: 2038760.1/68

- sign 1544.907+/-0.244 χ^2/NDF: 1076591.0/34

asym_us_agg_dd_mean vs Slug



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

Left Out: 524.005+/-255.775 χ^2/NDF:27.4/17

Right Out: 556.840+/-411.346 χ^2/NDF: 6.8/18

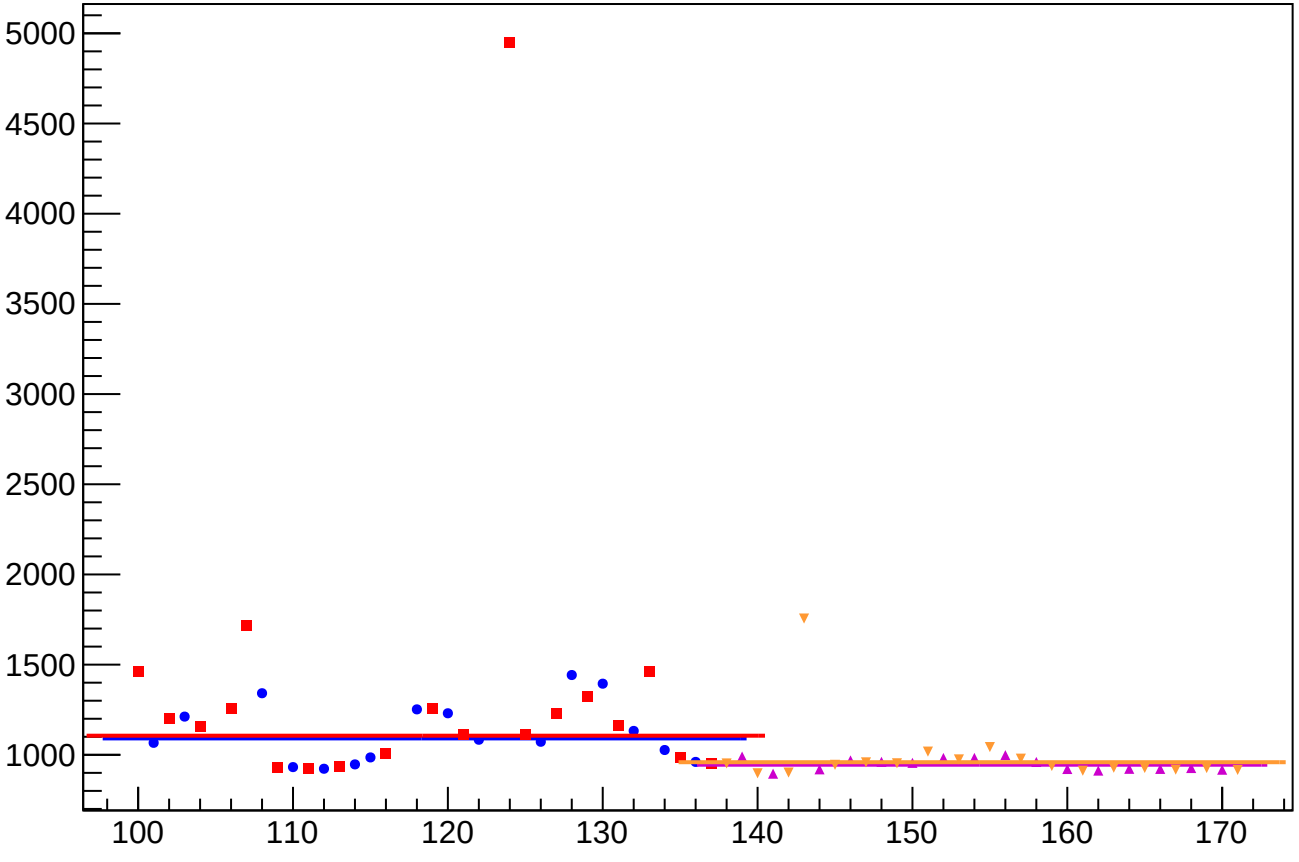
Left In: 265.116+/-260.140 χ^2/NDF:11.8/15

+ sign 351.600+/-217.003 χ^2/NDF: 43.5/33

All: 350.049+/-154.445 χ^2/NDF: 62.4/68

- sign 348.457+/-219.863 χ^2/NDF: 18.9/34

asym_us_agg_dd_rms vs Slug



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

Left Out: 959.077+/-0.181 χ^2/NDF:382799.9/17

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

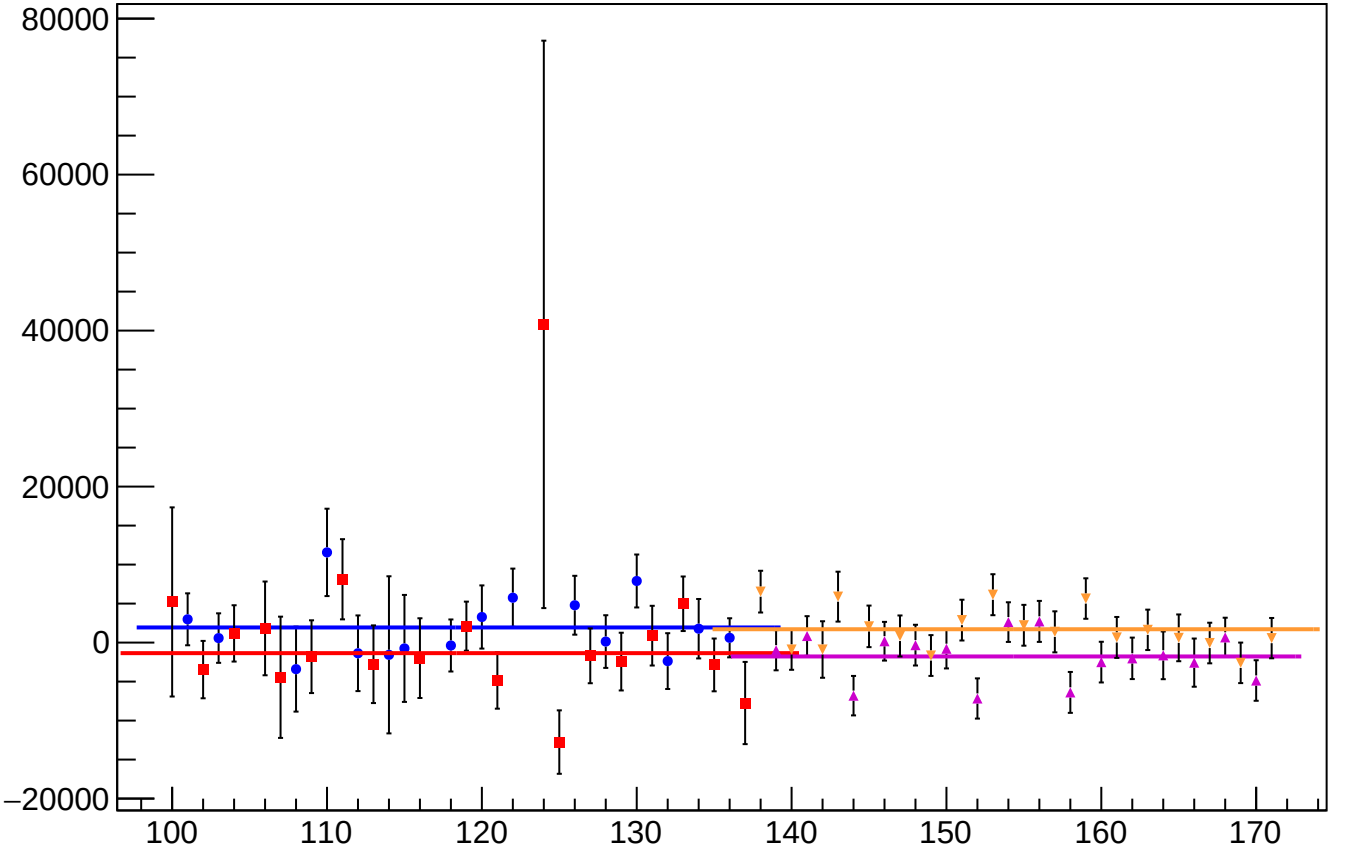
Left In: 945.202+/-0.184 χ^2/NDF:29090.4/15

+ sign 996.053+/-0.153 χ^2/NDF: 809274.0/33

All: 993.635+/-0.109 χ^2/NDF: 1571397.7/68

- sign 991.153+/-0.155 χ^2/NDF: 761620.6/34

reg_asym_atl1_mean vs Slug



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.071+/-635.713 χ^2/NDF:17.4/17

Right Out: -1353.428+/-985.119 χ^2/NDF: 21.8/18

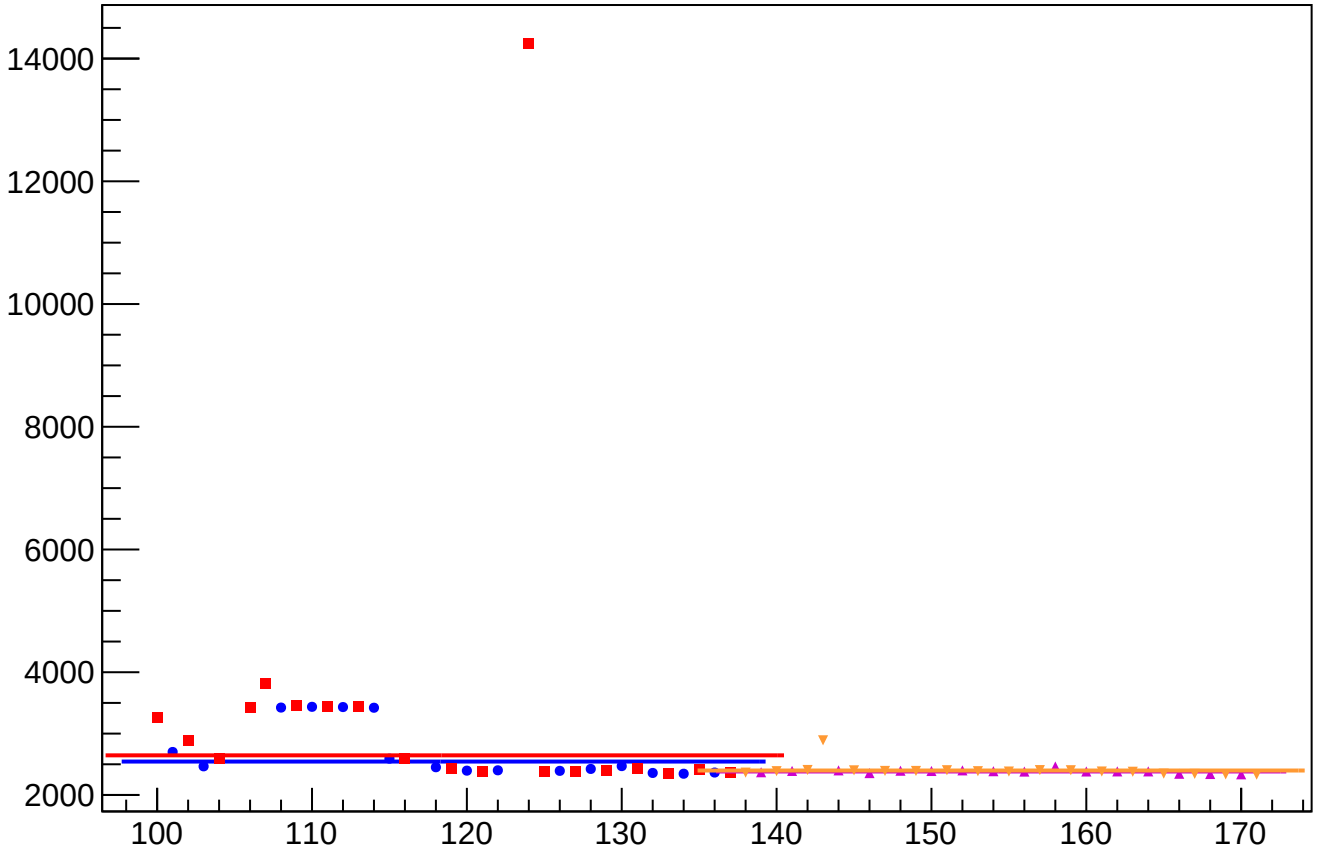
Left In: -1778.713+/-655.288 χ^2/NDF:22.1/15

+ sign 1781.510+/-528.769 χ^2/NDF: 29.6/33

All: 120.359+/-379.709 χ^2/NDF: 94.0/68

- sign -1648.259+/-545.605 χ^2/NDF: 44.0/34

reg_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

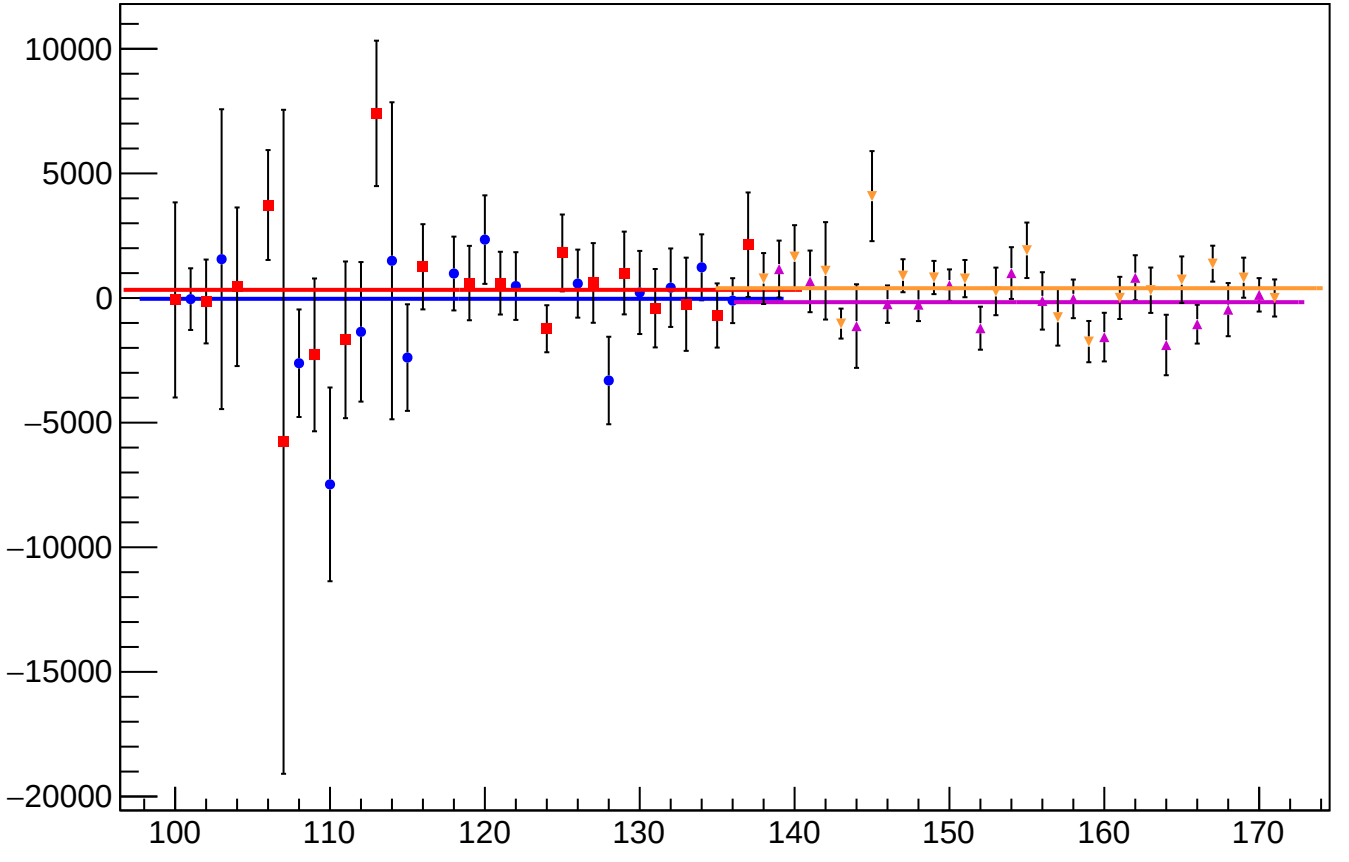
Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

+ sign 2443.415+/-0.374 χ^2/NDF: 310200.4/33

All: 2453.039+/-0.268 χ^2/NDF: 951323.1/68

- sign 2463.284+/-0.386 χ^2/NDF: 639755.0/34

asym_atl1_reg_correction_mean vs Slug



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 394.499+/-202.427 χ^2/NDF:24.7/17

Right Out: 328.475+/-398.568 χ^2/NDF: 15.6/18

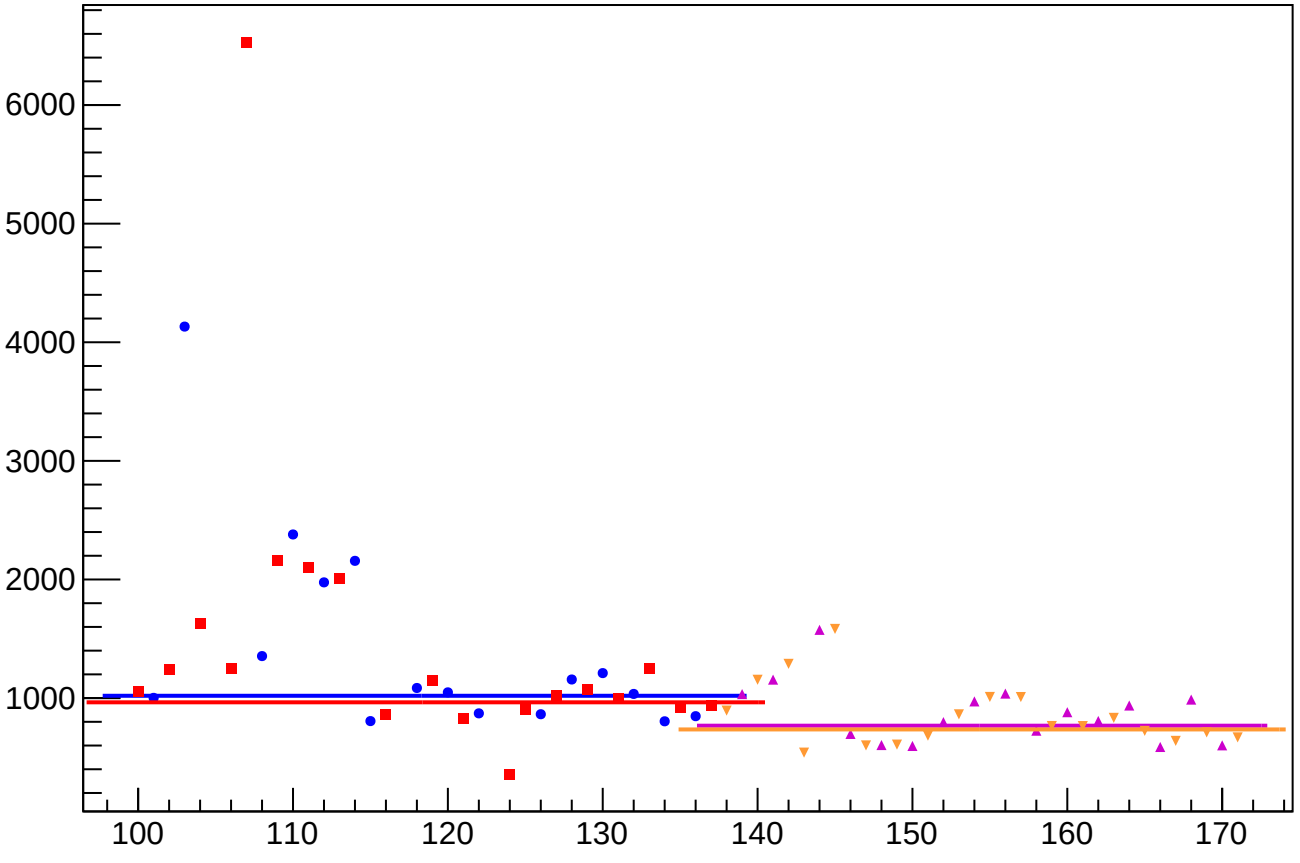
Left In: -165.484+/-219.563 χ^2/NDF:12.9/15

+ sign 309.654+/-181.134 χ^2/NDF: 39.3/33

All: 140.357+/-131.856 χ^2/NDF: 70.9/68

- sign -50.482+/-192.313 χ^2/NDF: 29.7/34

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 735.687+/-0.143 χ^2/NDF:1599642.7/17

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

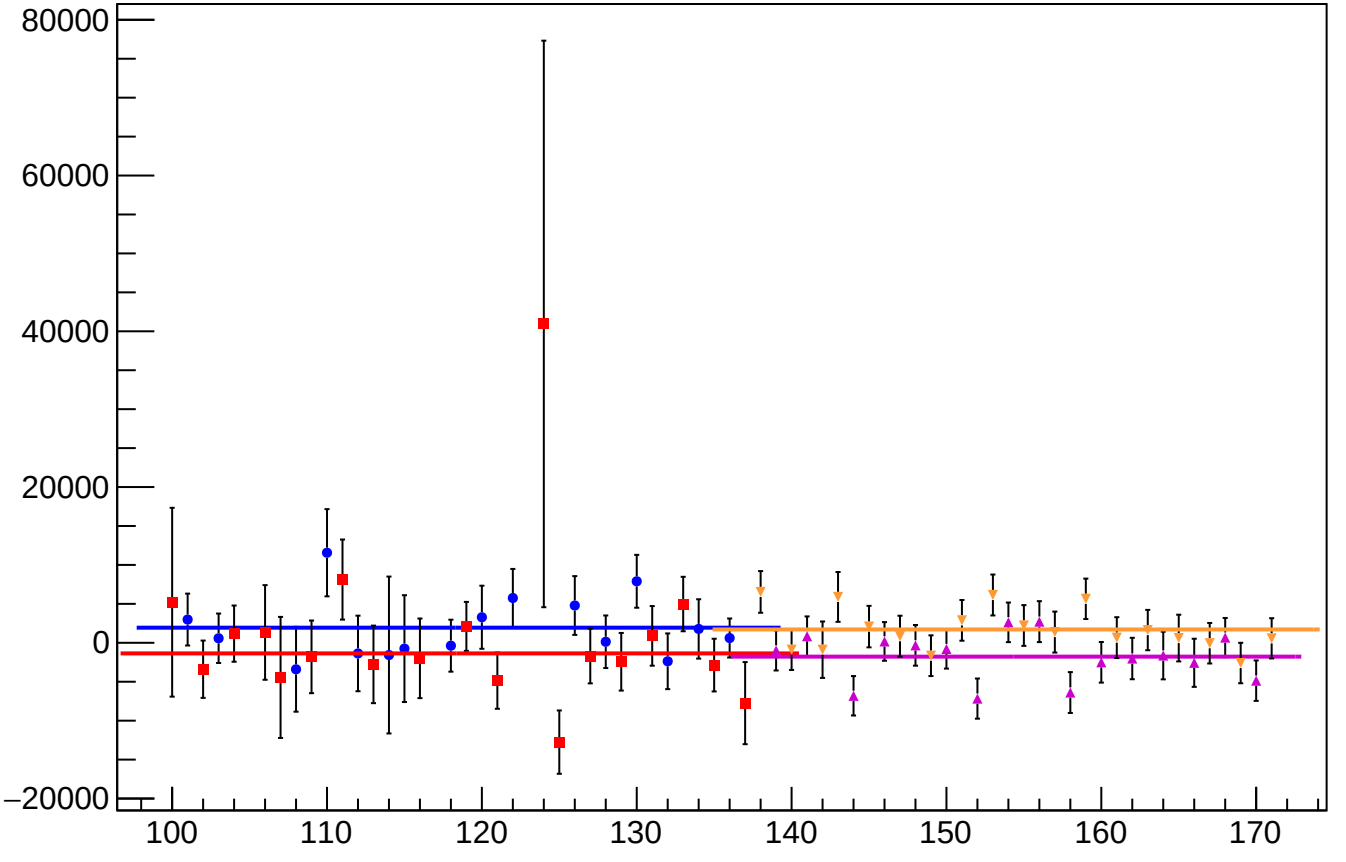
Left In: 767.242+/-0.155 χ^2/NDF:1636185.2/15

+ sign 792.259+/-0.128 χ^2/NDF: 3748111.2/33

All: 802.074+/-0.093 χ^2/NDF: 8081519.8/68

- sign 813.139+/-0.136 χ^2/NDF: 4320915.4/34

cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.043+/-635.713 χ^2/NDF:17.4/17

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

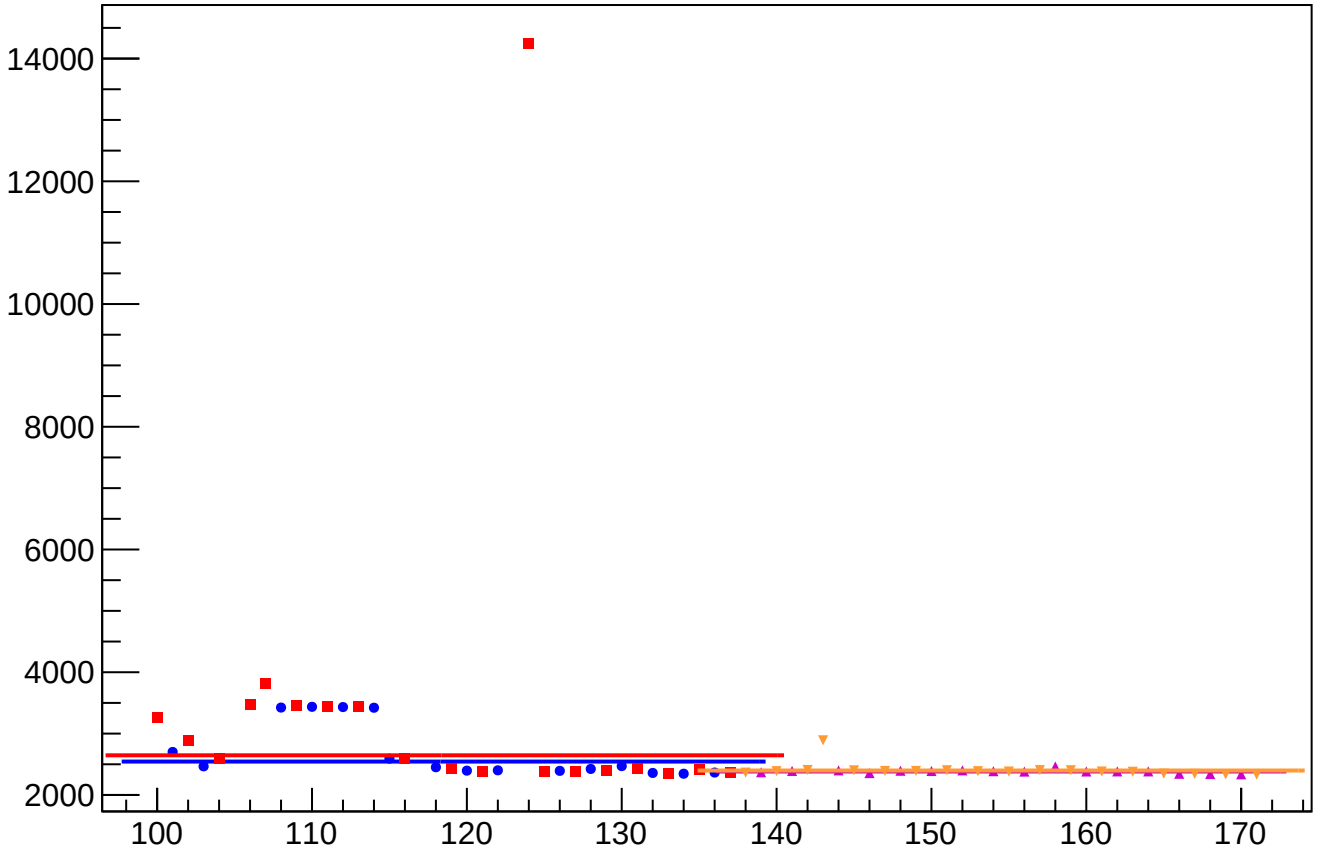
Left In: -1778.751+/-655.288 χ^2/NDF:22.1/15

+ sign 1781.599+/-528.769 χ^2/NDF: 29.6/33

All: 119.090+/-379.726 χ^2/NDF: 93.9/68

- sign -1651.303+/-545.656 χ^2/NDF: 43.9/34

cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

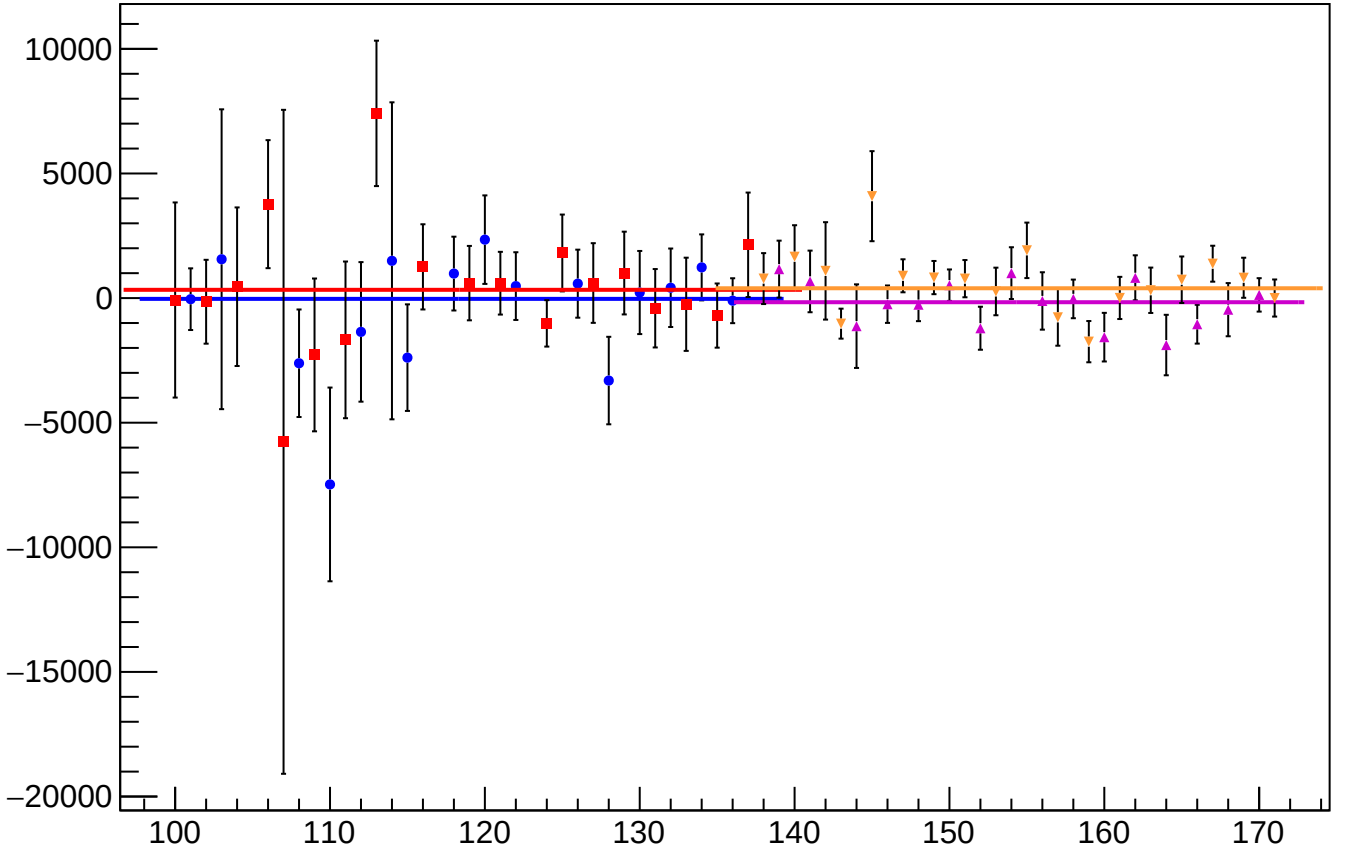
Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

+ sign 2443.415+/-0.374 χ^2/NDF: 310200.4/33

All: 2453.104+/-0.269 χ^2/NDF: 954299.9/68

- sign 2463.421+/-0.386 χ^2/NDF: 642713.1/34

asym_atl1_cor_correction_mean vs Slug



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 394.470+/-202.429 χ^2/NDF:24.7/17

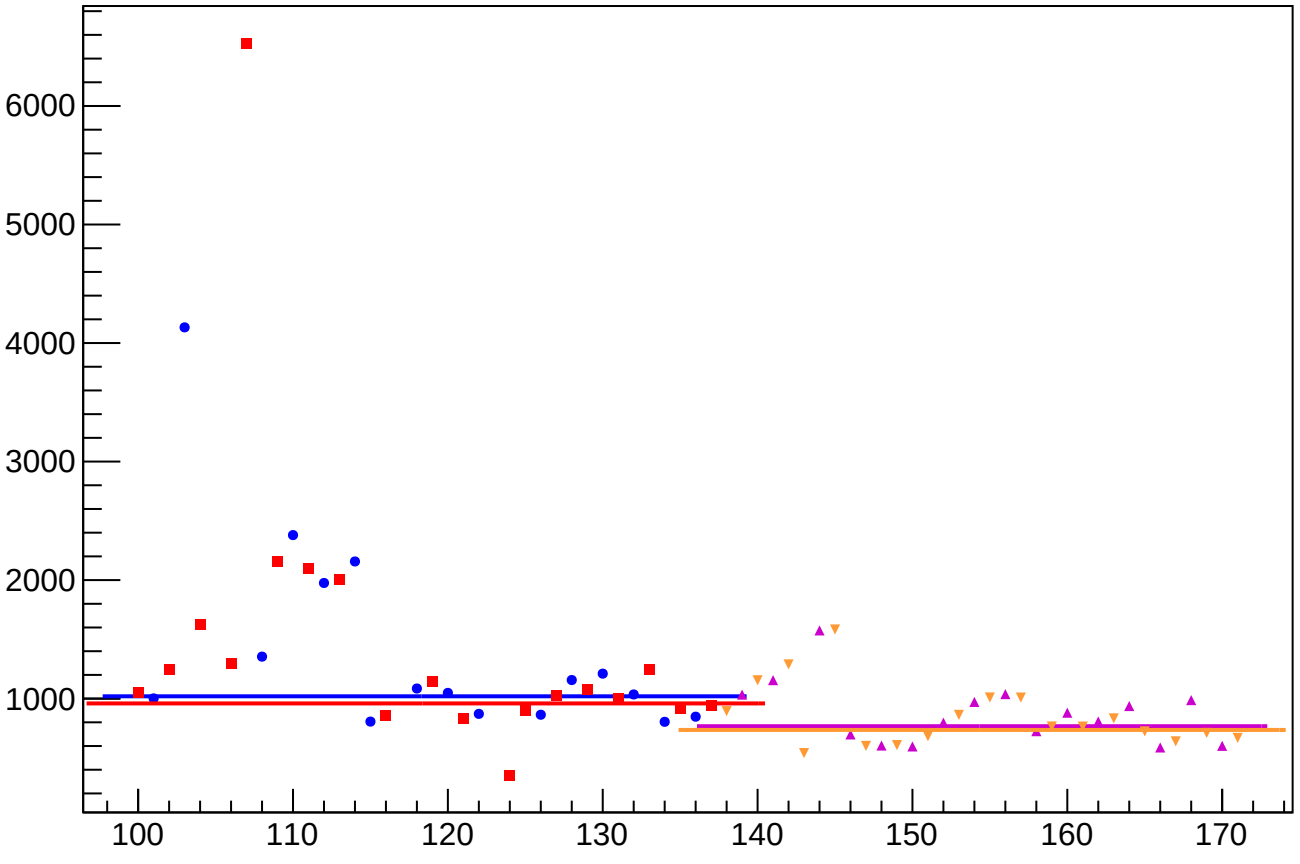
Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -165.479+/-219.563 χ^2/NDF:12.9/15

+ sign 309.616+/-181.135 χ^2/NDF: 39.3/33

All: 140.639+/-131.884 χ^2/NDF: 69.7/68

- sign -50.008+/-192.399 χ^2/NDF: 28.5/34



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 735.693+/-0.143 χ^2/NDF:1599660.6/17

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

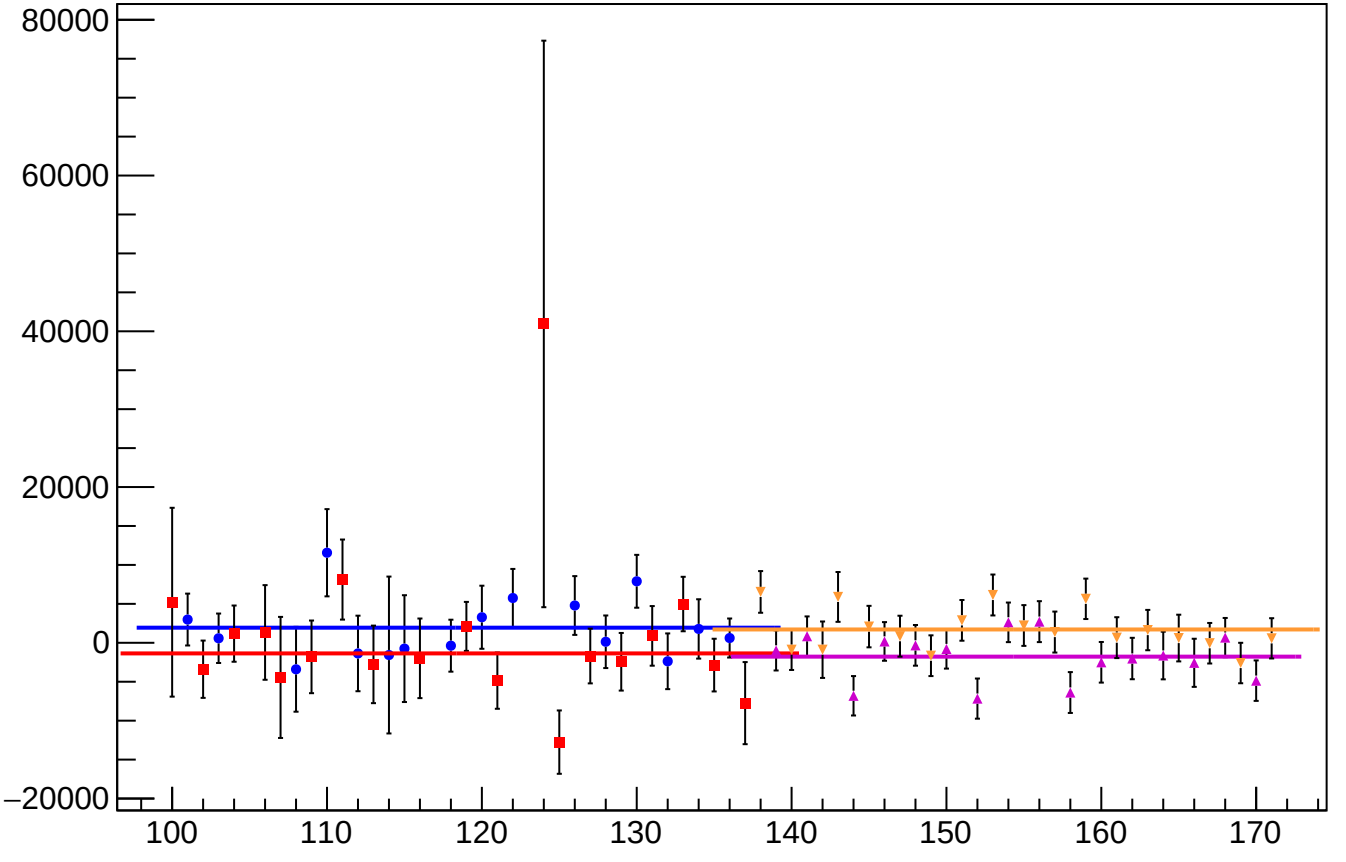
Left In: 767.239+/-0.155 χ^2/NDF:1636371.6/15

+ sign 792.264+/-0.128 χ^2/NDF: 3748045.7/33

All: 801.458+/-0.093 χ^2/NDF: 8095224.9/68

- sign 811.832+/-0.136 χ^2/NDF: 4336211.6/34

eigen_cor_asym_atl1_mean vs Slug



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.043+/-635.713 χ^2/NDF:17.4/17

Right Out: -1363.089+/-985.420 χ^2/NDF: 21.7/18

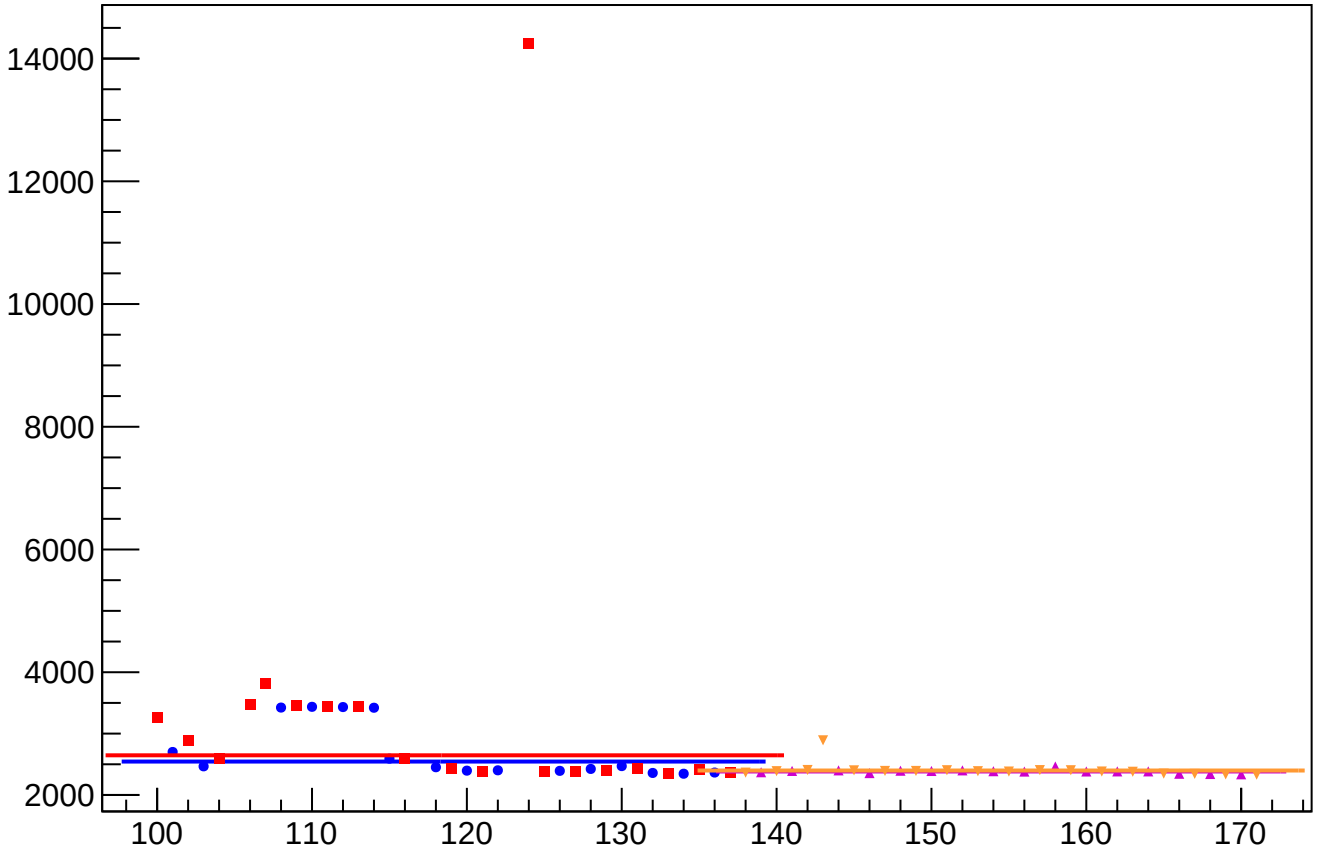
Left In: -1778.751+/-655.288 χ^2/NDF:22.1/15

+ sign 1781.599+/-528.769 χ^2/NDF: 29.6/33

All: 119.090+/-379.726 χ^2/NDF: 93.9/68

- sign -1651.303+/-545.656 χ^2/NDF: 43.9/34

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

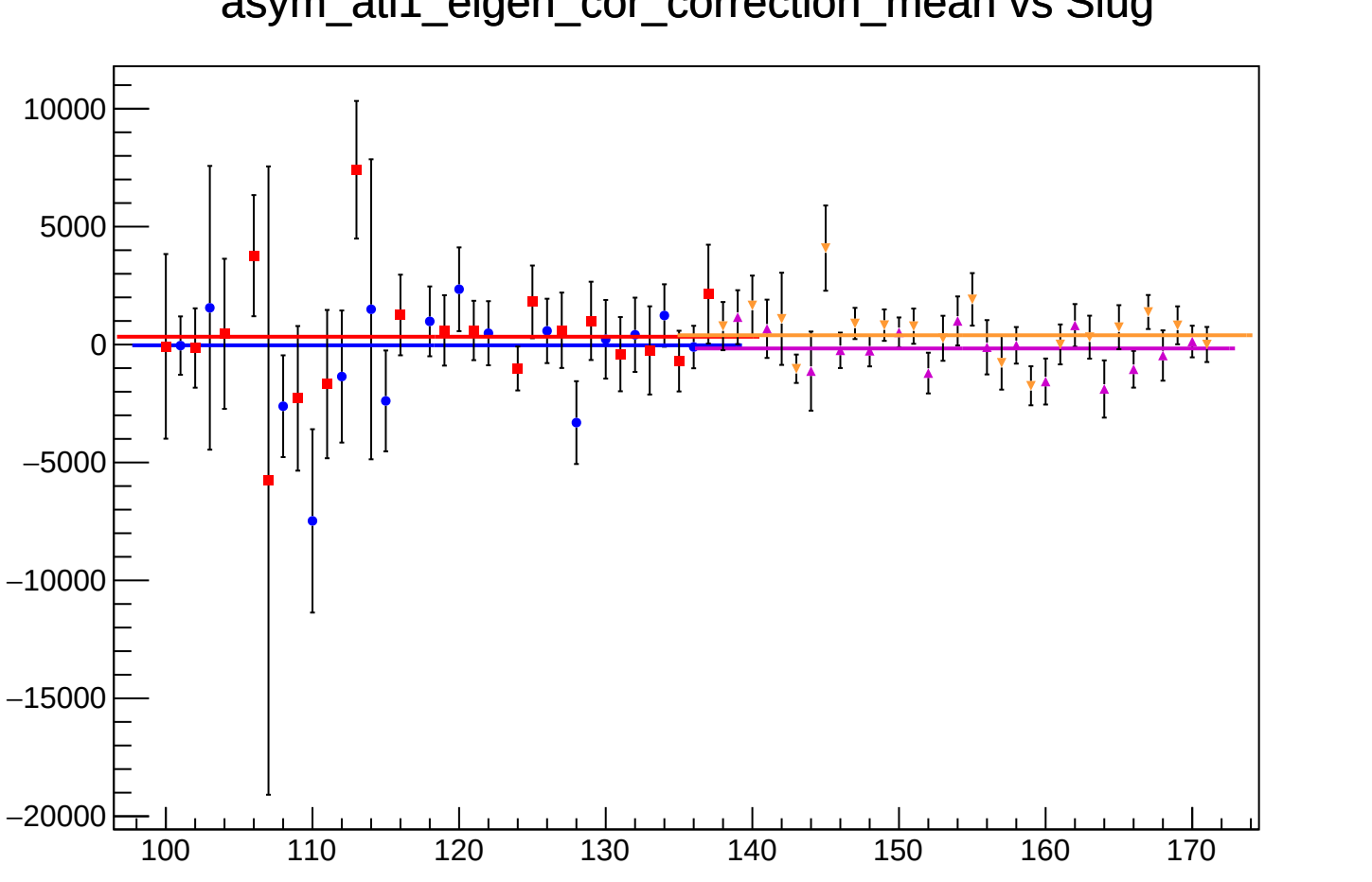
Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2382.594+/-0.463 χ^2/NDF:3927.6/15

+ sign 2443.415+/-0.374 χ^2/NDF: 310200.4/33

All: 2453.104+/-0.269 χ^2/NDF: 954299.9/68

- sign 2463.421+/-0.386 χ^2/NDF: 642713.1/34



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 394.470+/-202.429 χ^2/NDF:24.7/17

Right Out: 331.962+/-399.334 χ^2/NDF: 14.4/18

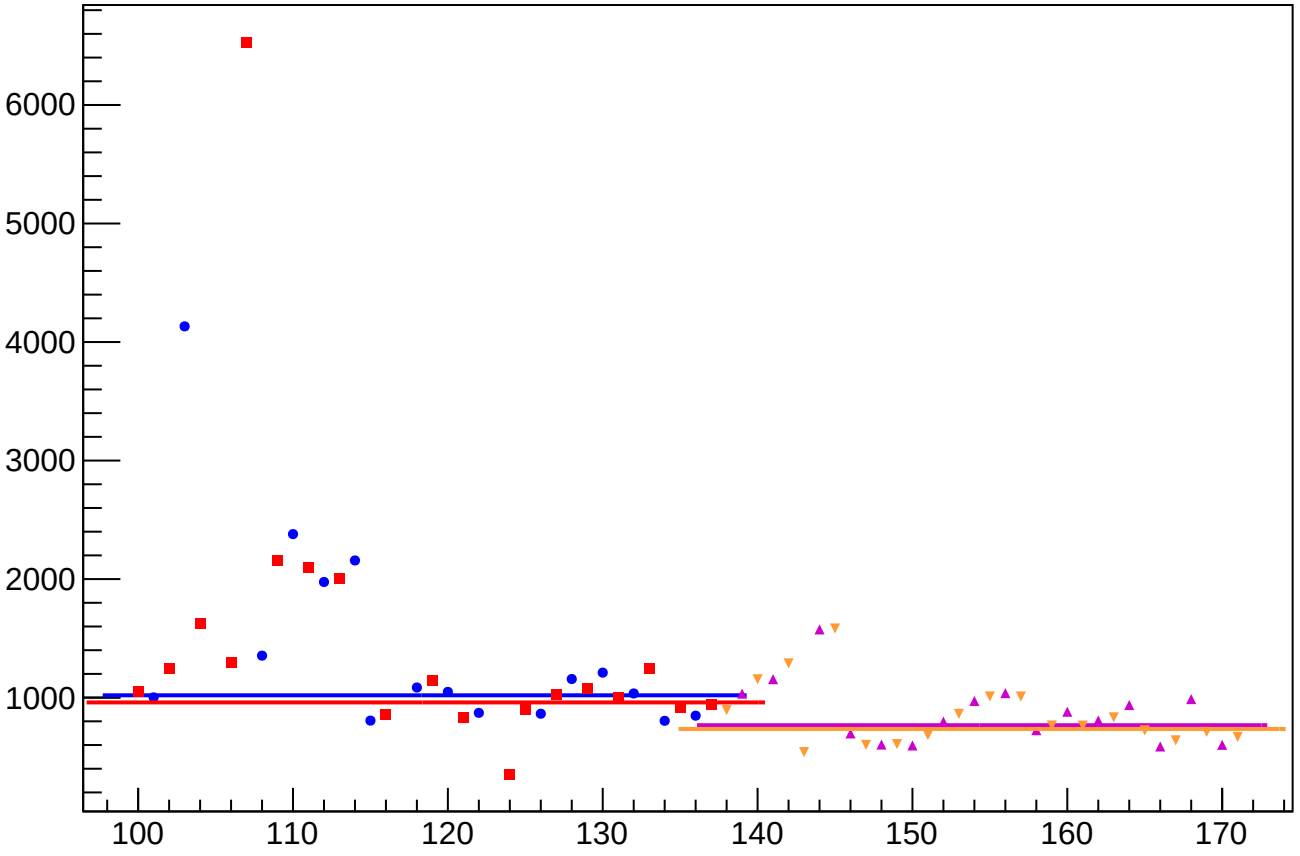
Left In: -165.479+/-219.563 χ^2/NDF:12.9/15

+ sign 309.616+/-181.135 χ^2/NDF: 39.3/33

All: 140.639+/-131.884 χ^2/NDF: 69.7/68

- sign -50.008+/-192.399 χ^2/NDF: 28.5/34

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 735.693+/-0.143 χ^2/NDF:1599660.6/17

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

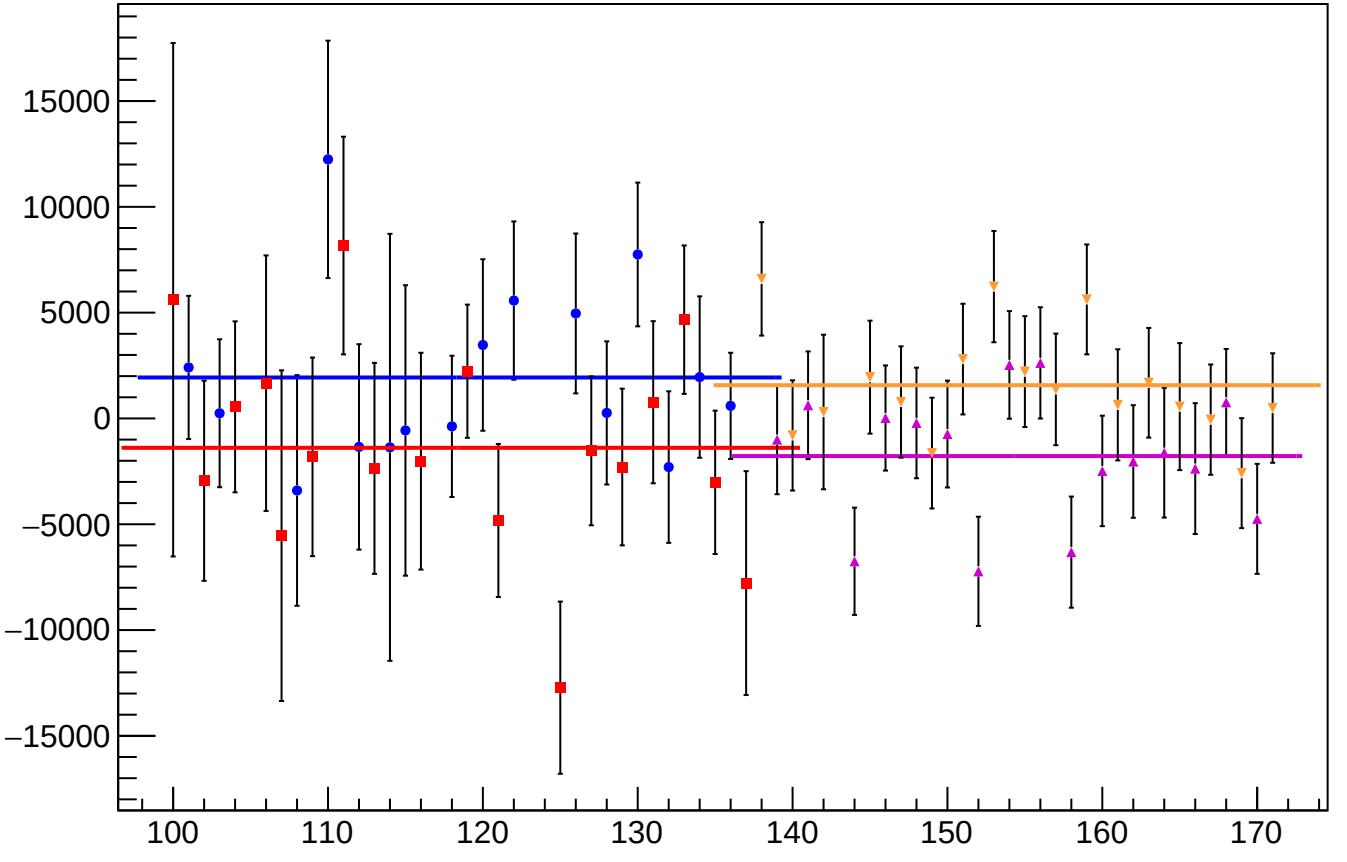
Left In: 767.239+/-0.155 χ^2/NDF:1636371.6/15

\+ sign 792.264+/-0.128 χ^2/NDF: 3748045.7/33

All: 801.458+/-0.093 χ^2/NDF: 8095224.9/68

\- sign 811.832+/-0.136 χ^2/NDF: 4336211.6/34

dit_asym_atl1_mean vs Slug



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1571.205+/-649.403 χ^2/NDF:15.3/16

Right Out: -1387.548+/-1009.105 χ^2/NDF: 19.8/17

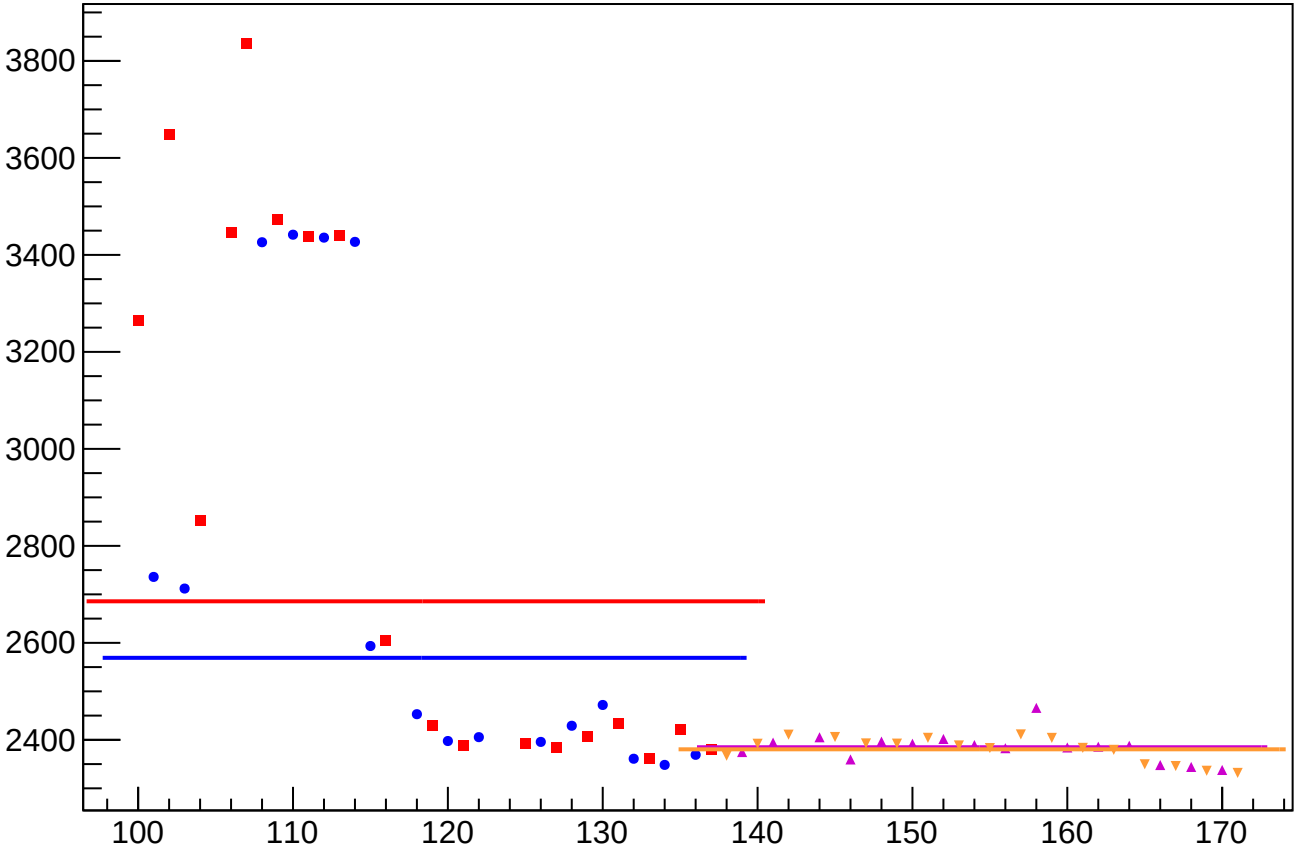
Left In: -1778.112+/-655.883 χ^2/NDF:21.4/15

+ sign 1685.347+/-538.299 χ^2/NDF: 27.8/32

All: 47.387+/-384.681 χ^2/NDF: 88.0/66

- sign -1662.118+/-549.930 χ^2/NDF: 41.3/33

dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2380.472+/-0.459 χ^2/NDF:2961.1/16

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

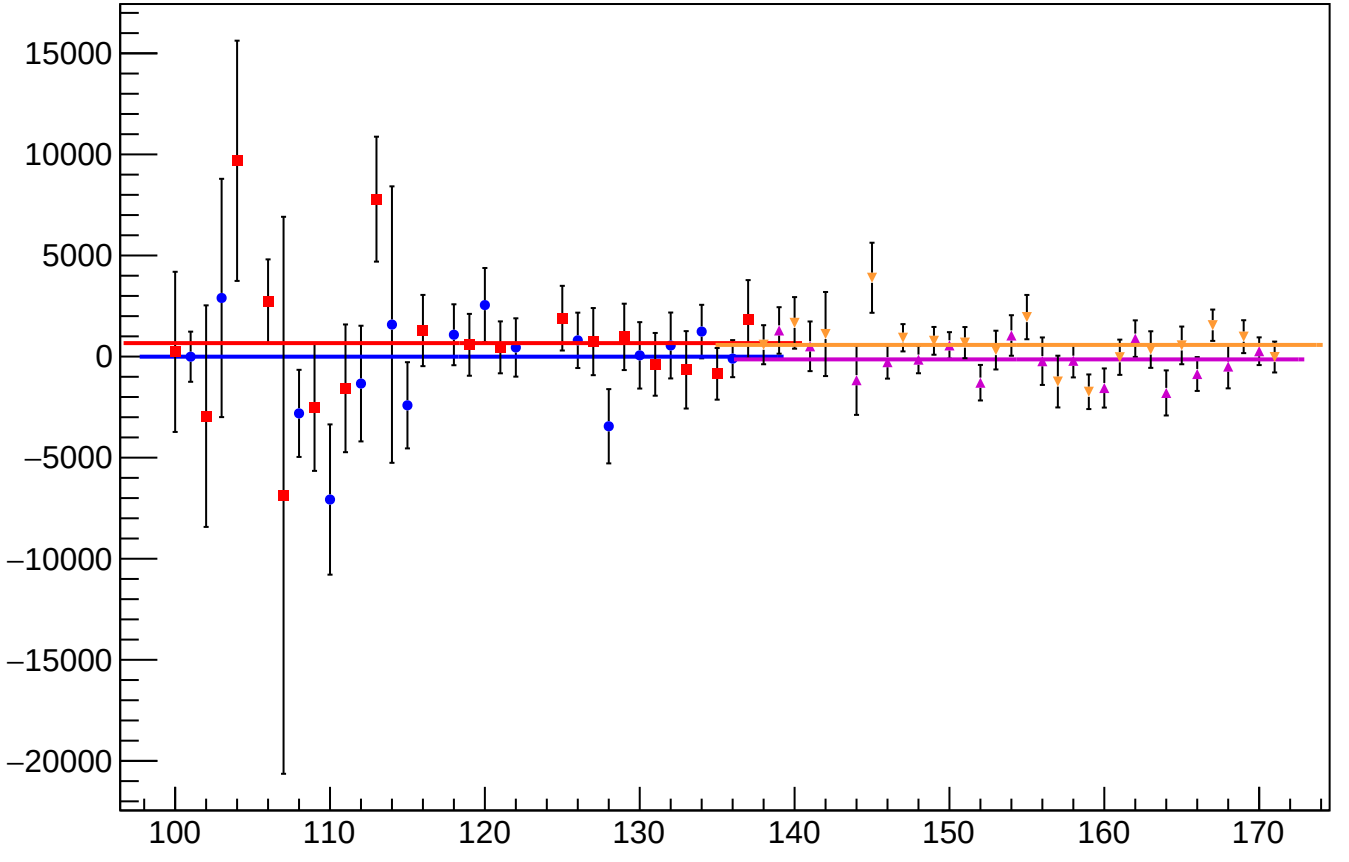
Left In: 2384.748+/-0.464 χ^2/NDF:3912.8/15

+ sign 2439.503+/-0.381 χ^2/NDF: 285264.1/32

All: 2456.442+/-0.272 χ^2/NDF: 837525.9/66

- sign 2474.120+/-0.389 χ^2/NDF: 548214.6/33

asym_atl1_dit_correction_mean vs Slug



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 576.699+/-219.687 χ^2/NDF:18.8/16

Right Out: 665.952+/-460.513 χ^2/NDF: 14.4/17

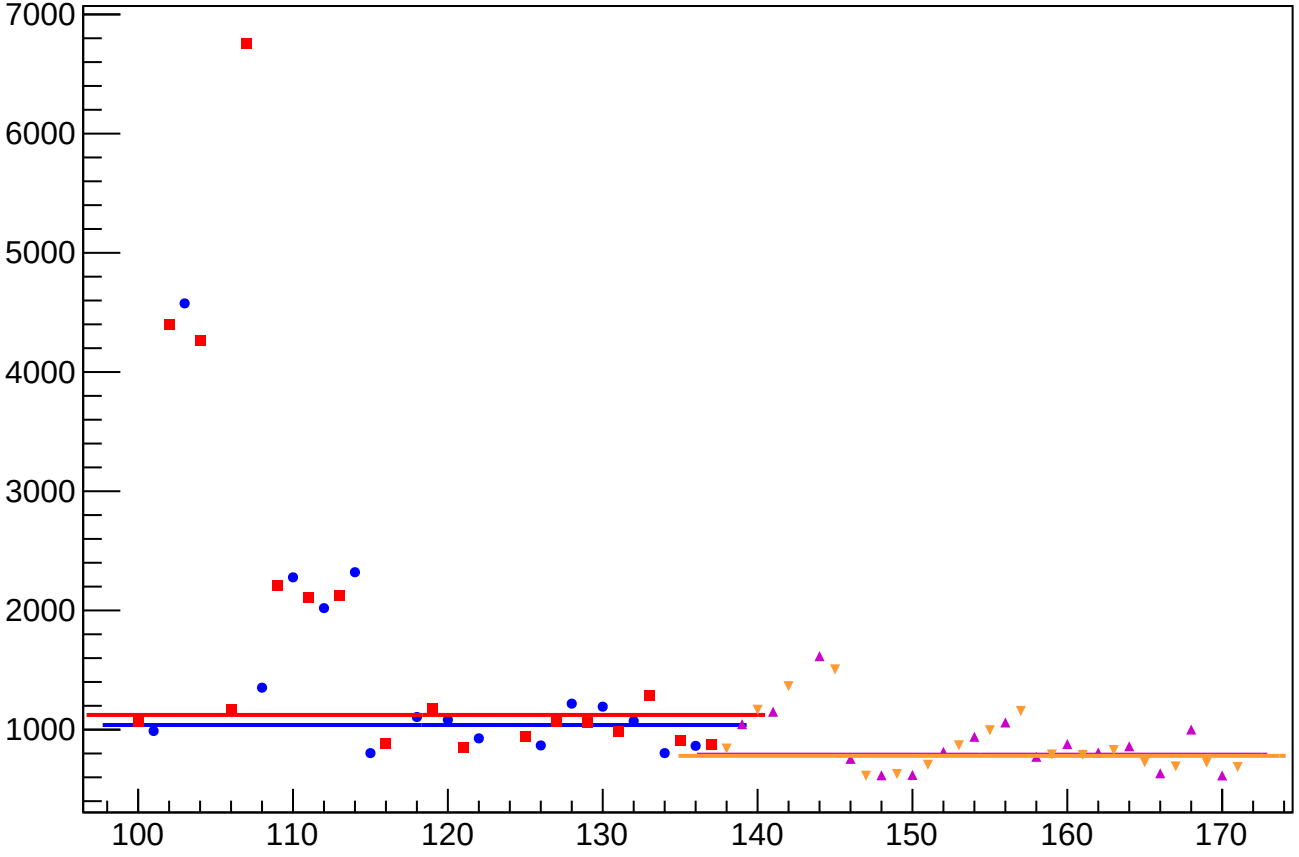
Left In: -139.400+/-224.792 χ^2/NDF:13.3/15

+ sign 448.005+/-193.876 χ^2/NDF: 34.9/32

All: 240.668+/-139.878 χ^2/NDF: 67.4/66

- sign 15.570+/-202.010 χ^2/NDF: 30.1/33

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 780.053+/-0.155 χ^2/NDF:1284801.6/16

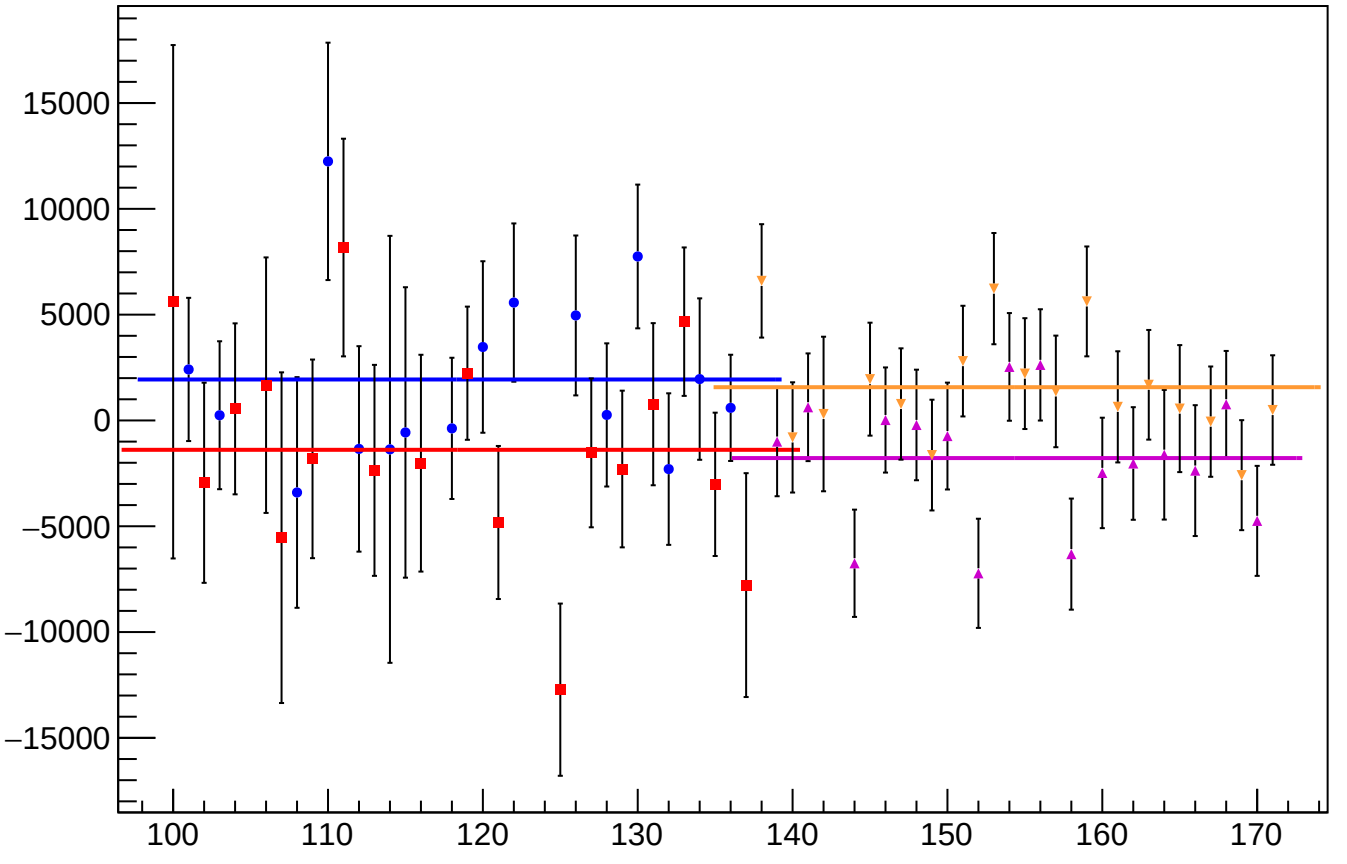
Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 790.008+/-0.159 χ^2/NDF:1458707.5/15

+ sign 837.282+/-0.137 χ^2/NDF: 3438173.1/32

All: 845.382+/-0.099 χ^2/NDF: 8286573.6/66

- sign 854.176+/-0.143 χ^2/NDF: 4841119.3/33



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1571.206+/-649.403 χ^2/NDF:15.3/16

Right Out: -1387.545+/-1009.105 χ^2/NDF: 19.8/17

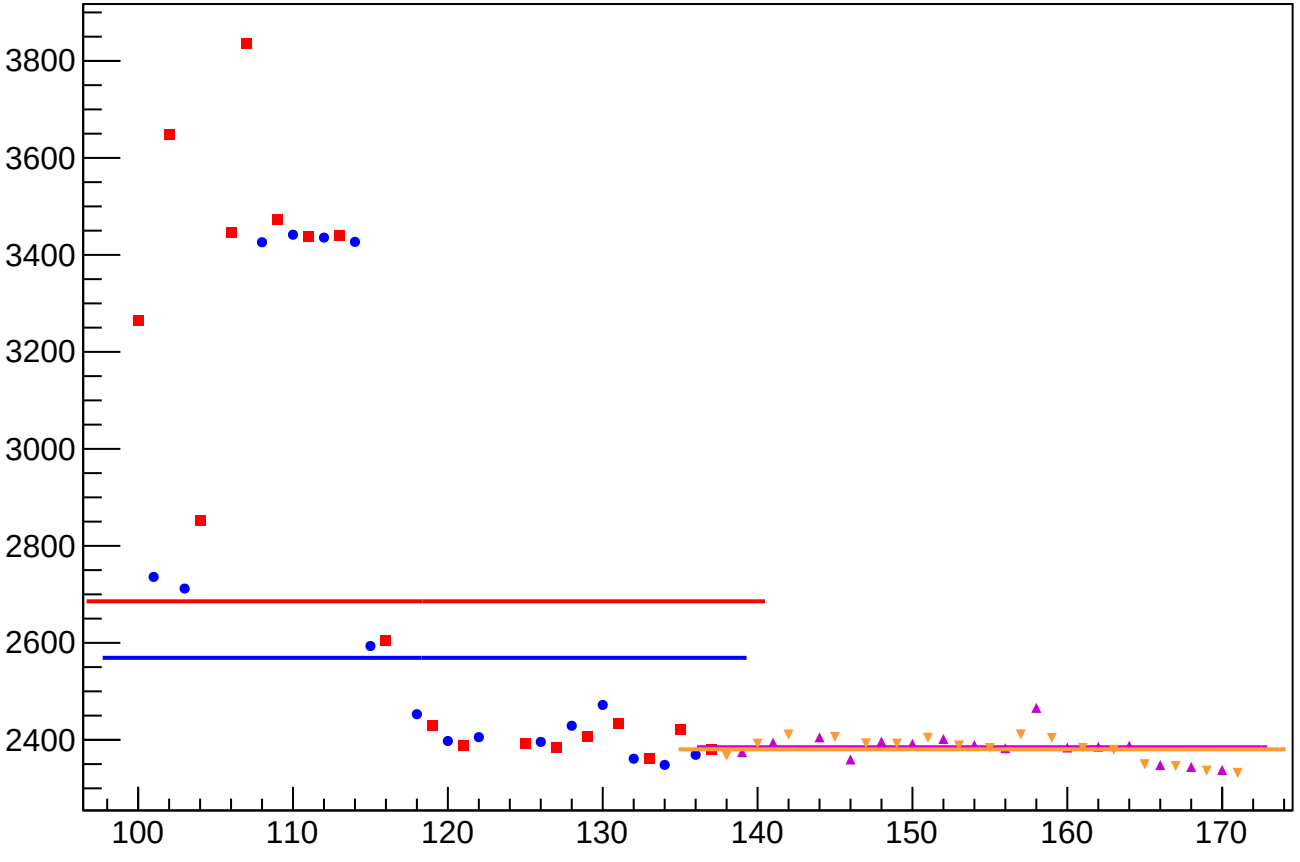
Left In: -1778.112+/-655.883 χ^2/NDF:21.4/15

+ sign 1685.347+/-538.299 χ^2/NDF: 27.8/32

All: 47.386+/-384.681 χ^2/NDF: 88.0/66

- sign -1662.118+/-549.930 χ^2/NDF: 41.3/33

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2380.472+/-0.459 χ^2/NDF:2961.1/16

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

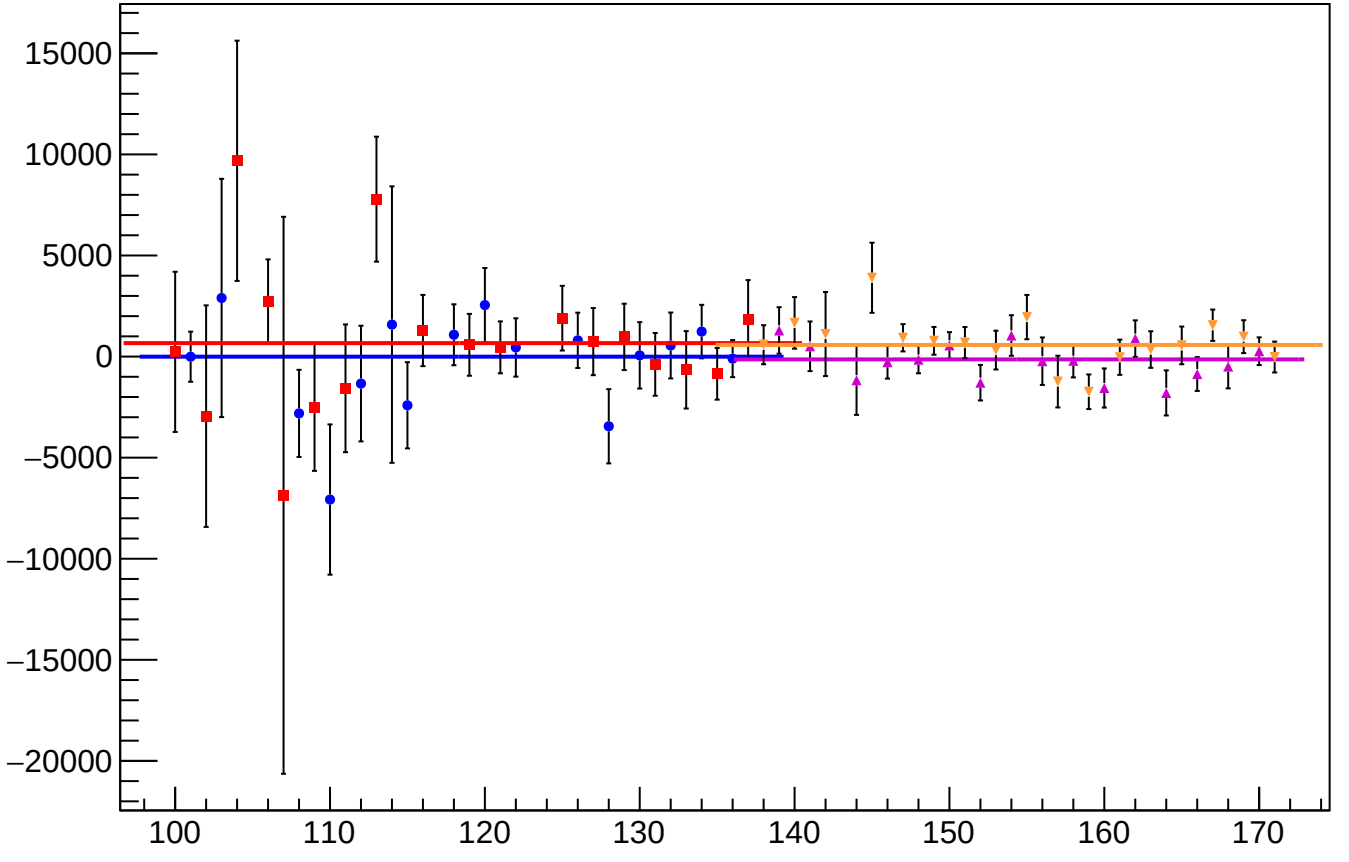
Left In: 2384.748+/-0.464 χ^2/NDF:3912.8/15

+ sign 2439.503+/-0.381 χ^2/NDF: 285263.6/32

All: 2456.442+/-0.272 χ^2/NDF: 837524.6/66

- sign 2474.120+/-0.389 χ^2/NDF: 548213.7/33

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 576.699+/-219.687 χ^2/NDF:18.8/16

Right Out: 665.953+/-460.513 χ^2/NDF: 14.4/17

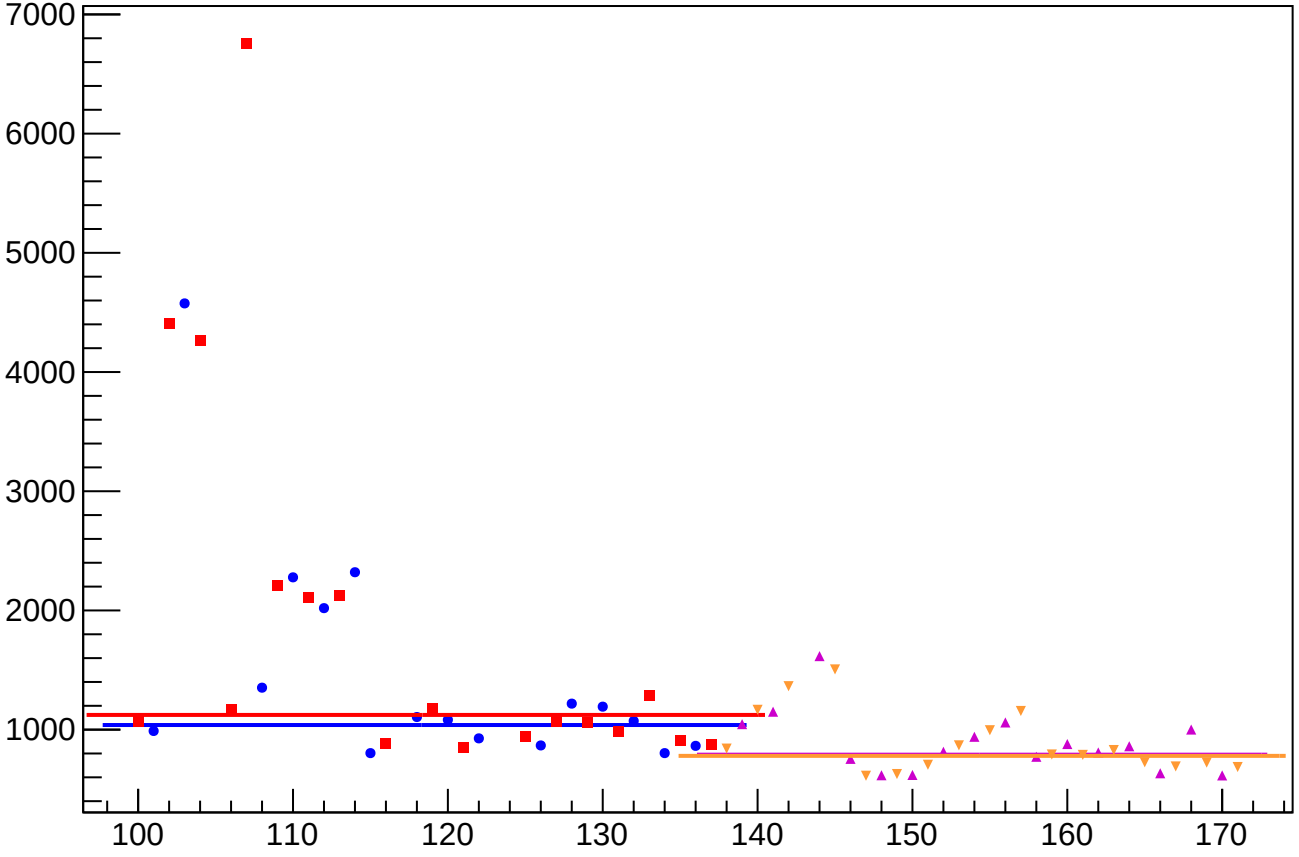
Left In: -139.400+/-224.792 χ^2/NDF:13.3/15

\+ sign 448.004+/-193.876 χ^2/NDF: 34.9/32

All: 240.668+/-139.878 χ^2/NDF: 67.4/66

\- sign 15.571+/-202.010 χ^2/NDF: 30.1/33

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 780.055+/-0.155 χ^2/NDF:1284798.6/16

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

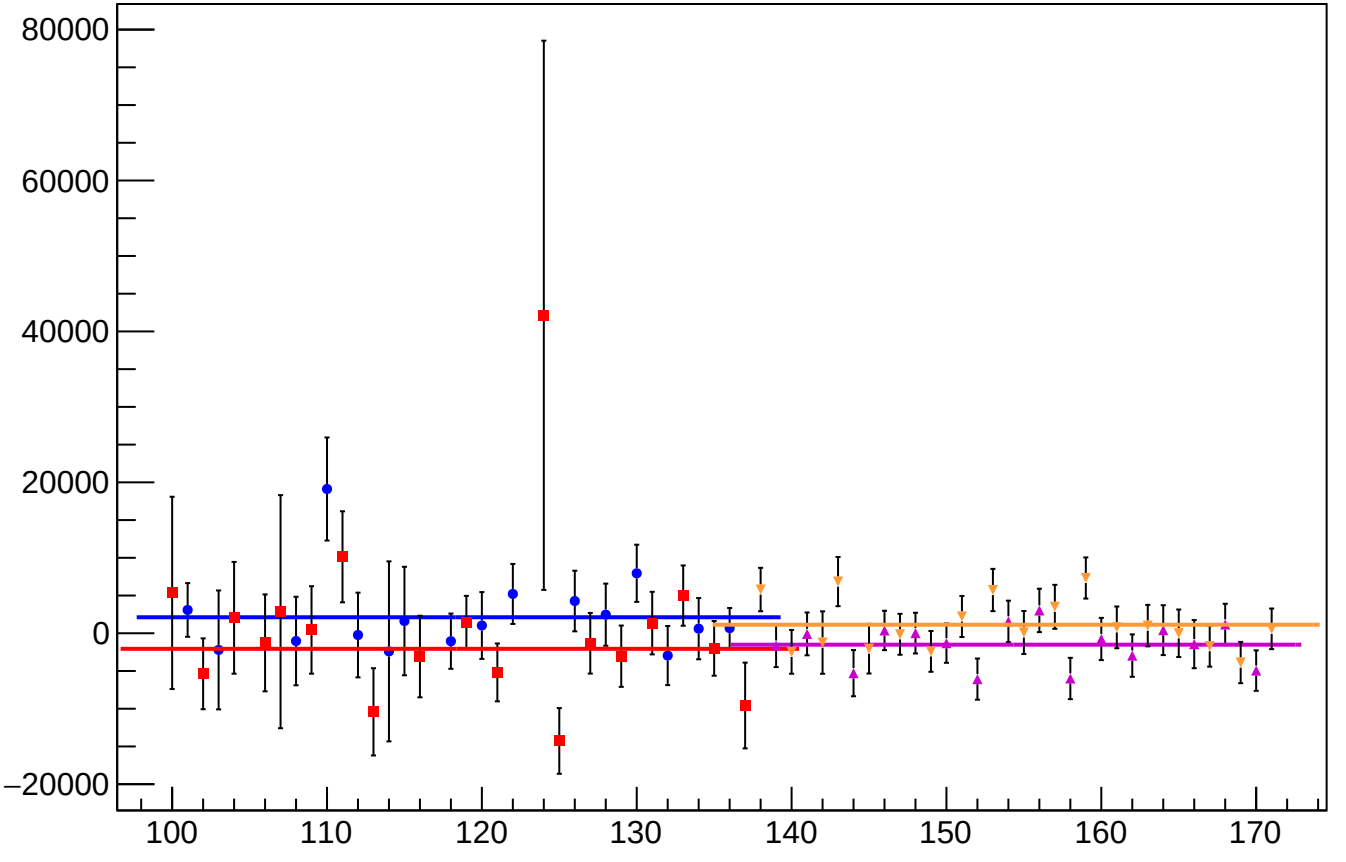
Left In: 790.010+/-0.159 χ^2/NDF:1458705.8/15

\+ sign 837.283+/-0.137 χ^2/NDF: 3438158.8/32

All: 845.383+/-0.099 χ^2/NDF: 8286547.8/66

\- sign 854.177+/-0.143 χ^2/NDF: 4841108.0/33

asym_atl1_mean vs Slug



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1132.169+/-679.361 χ^2/NDF:23.9/17

Right Out: -2059.741+/-1136.807 χ^2/NDF: 24.3/18

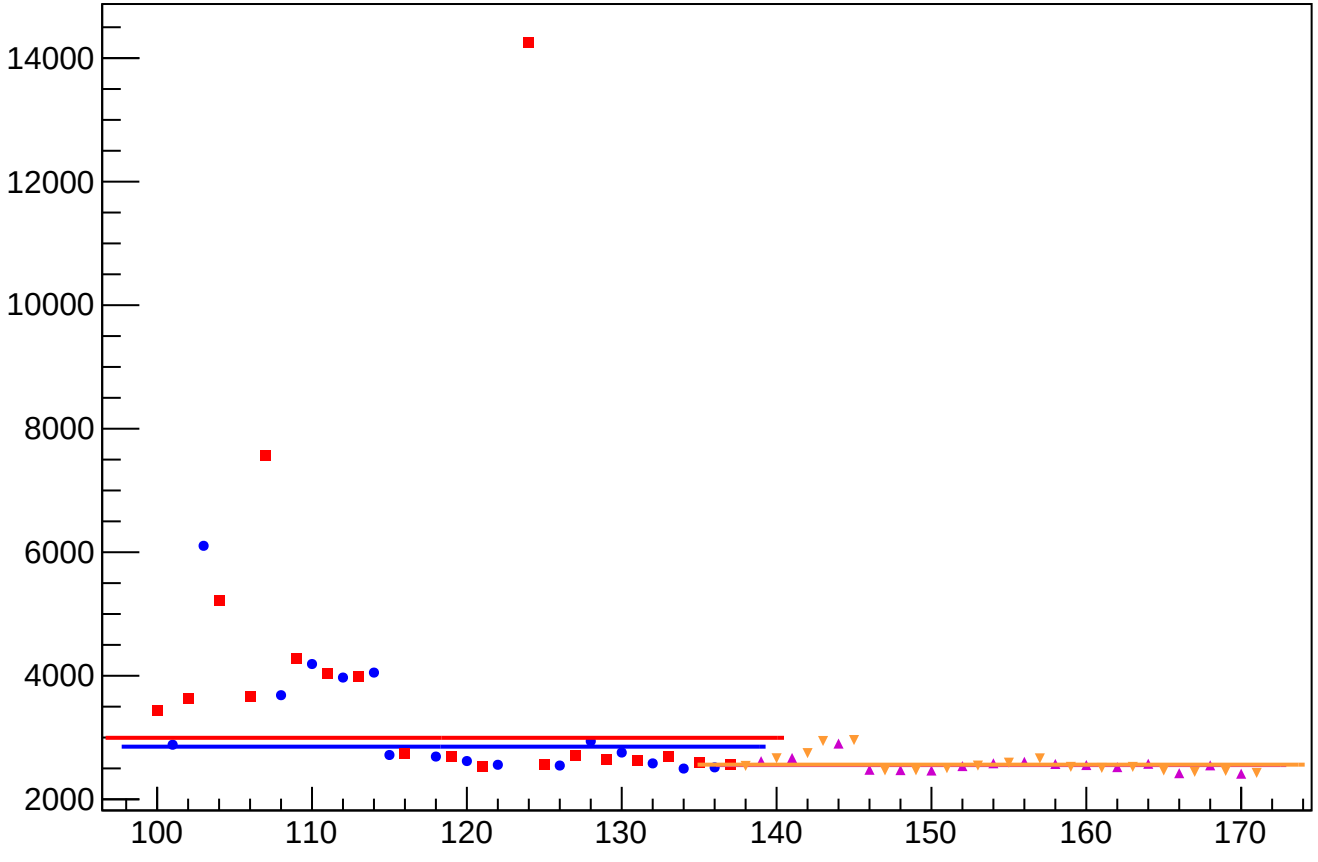
Left In: -1513.424+/-703.148 χ^2/NDF:15.1/15

+ sign 1411.048+/-575.757 χ^2/NDF: 37.8/33

All: -68.509+/-414.763 χ^2/NDF: 91.2/68

- sign -1664.597+/-598.001 χ^2/NDF: 39.6/34

asym_atl1_rms vs Slug



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2560.876+/-0.480 χ^2/NDF:86493.2/17

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

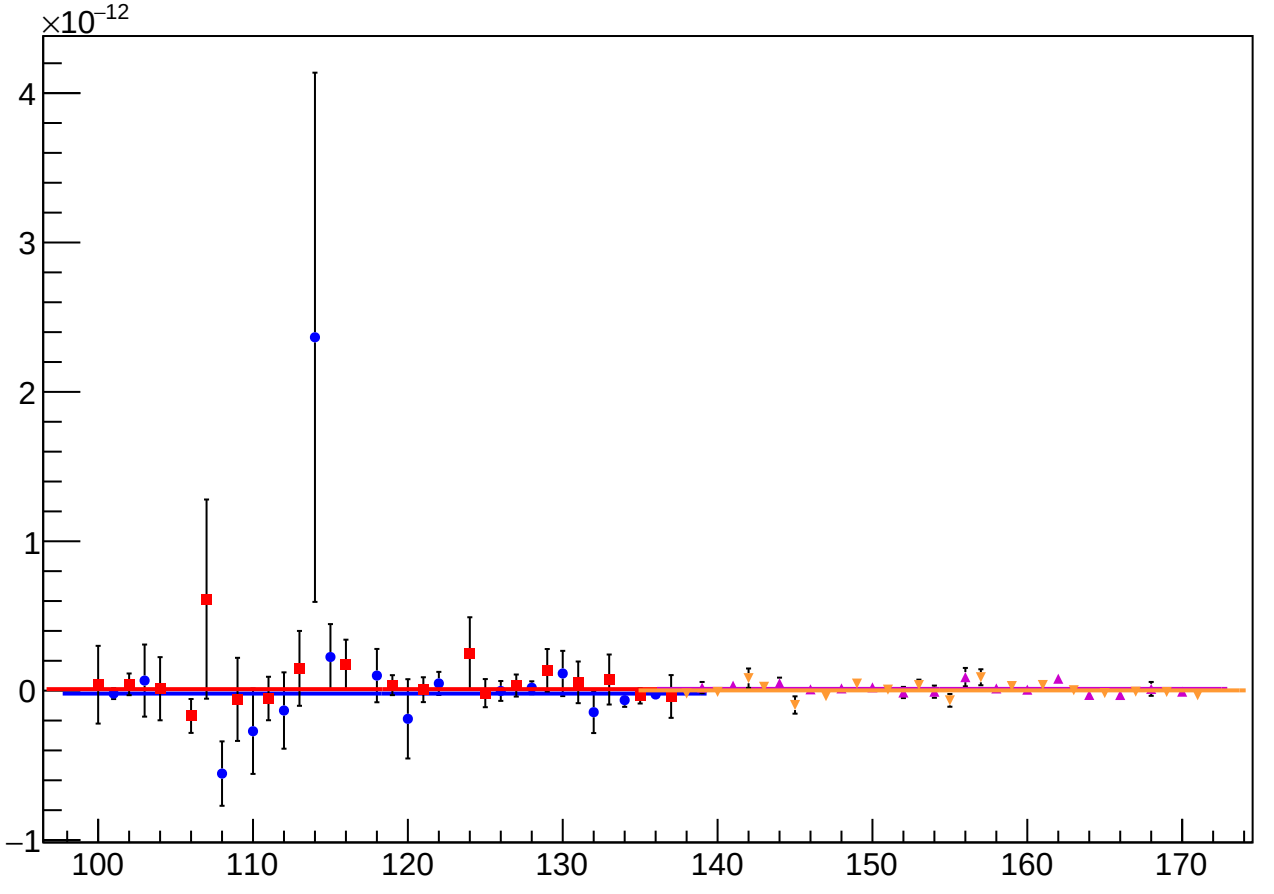
Left In: 2553.974+/-0.497 χ^2/NDF:46110.4/15

+ sign 2642.957+/-0.407 χ^2/NDF: 838832.0/33

All: 2658.928+/-0.293 χ^2/NDF: 2085547.2/68

- sign 2676.157+/-0.423 χ^2/NDF: 1243516.1/34

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:24.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 8.3/18

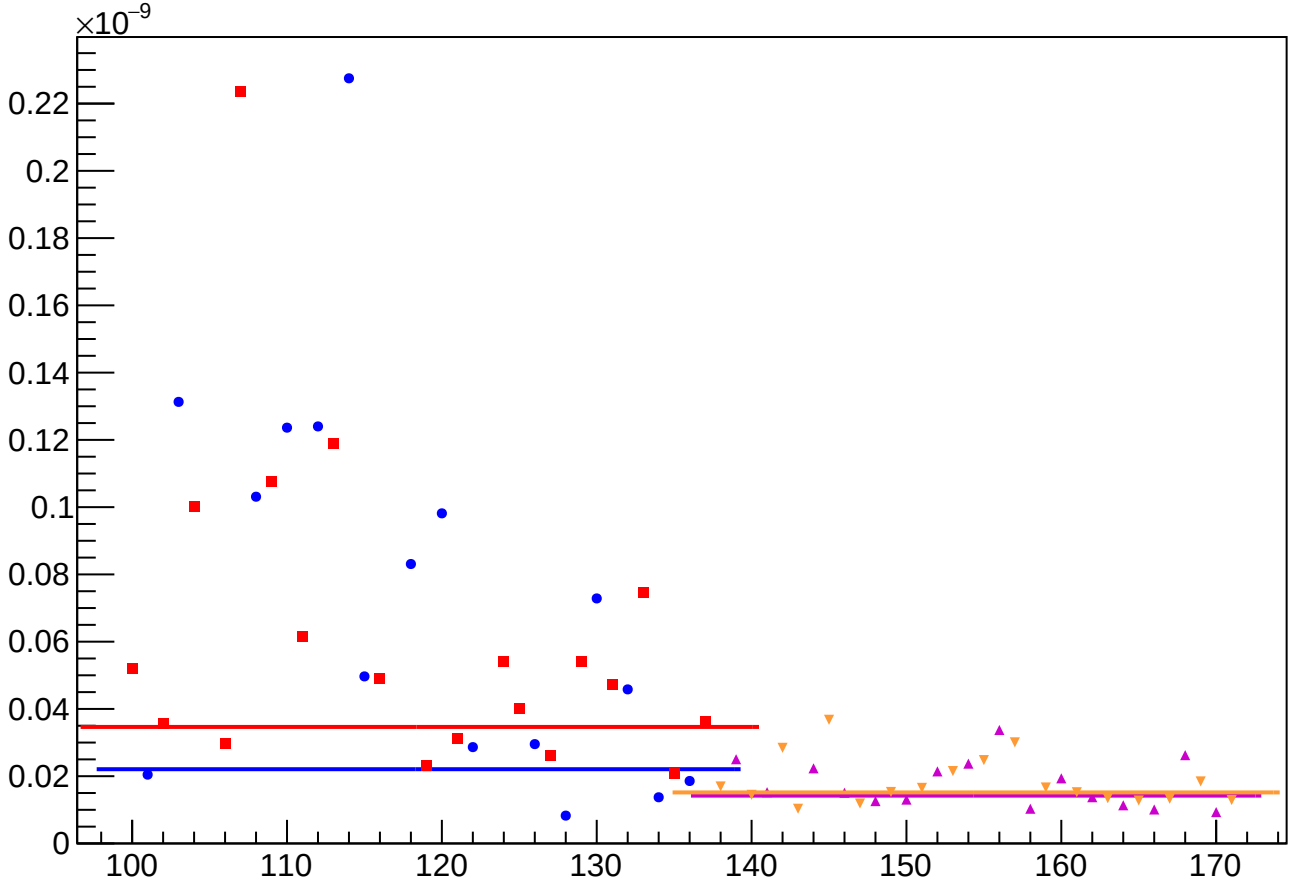
Left In: 0.000+/-0.000 χ^2/NDF:18.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/33

All: 0.000+/-0.000 χ^2/NDF: 69.5/68

- sign 0.000+/-0.000 χ^2/NDF: 26.7/34

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:946102.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

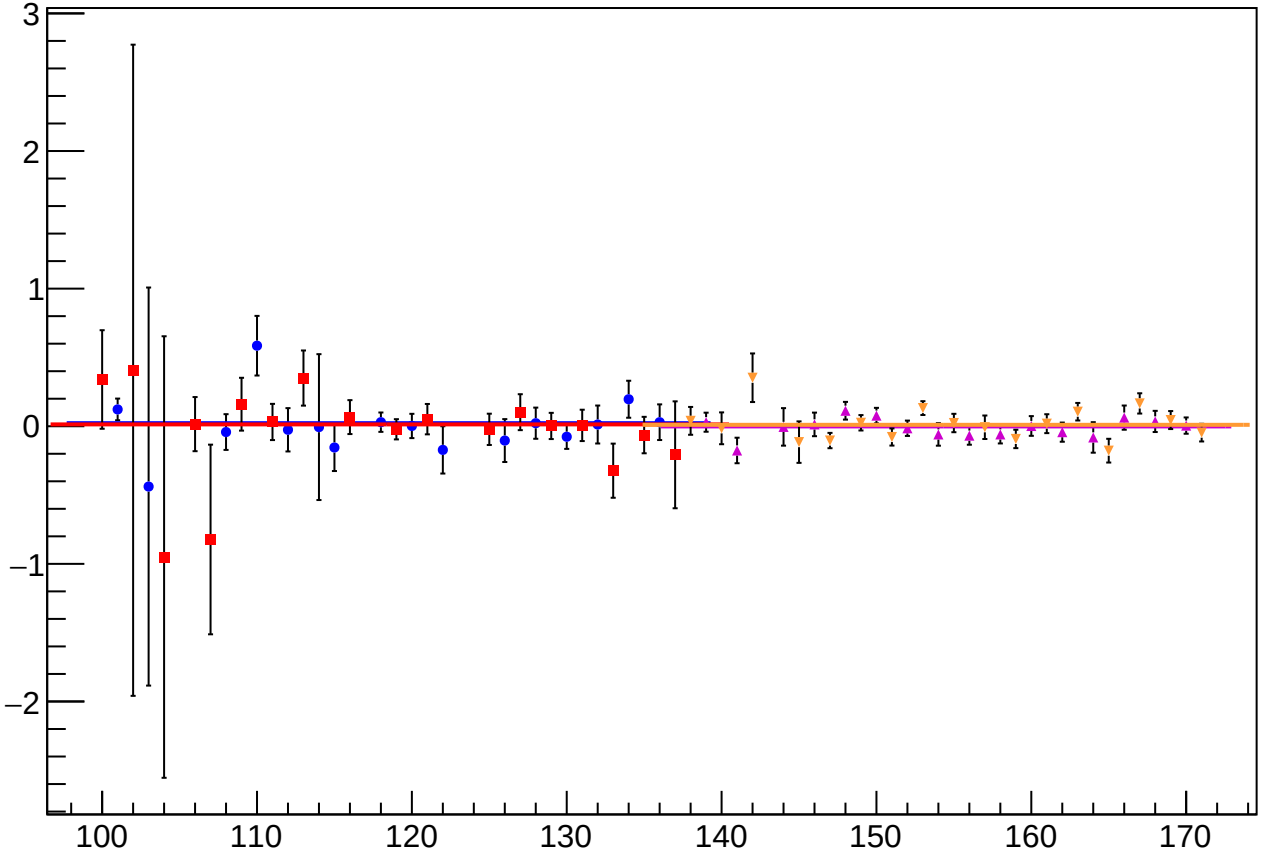
Left In: 0.000+/-0.000 χ^2/NDF:1149455.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 3572788.8/33

All: 0.000+/-0.000 χ^2/NDF: 7261902.5/68

- sign 0.000+/-0.000 χ^2/NDF: 3686580.6/34

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

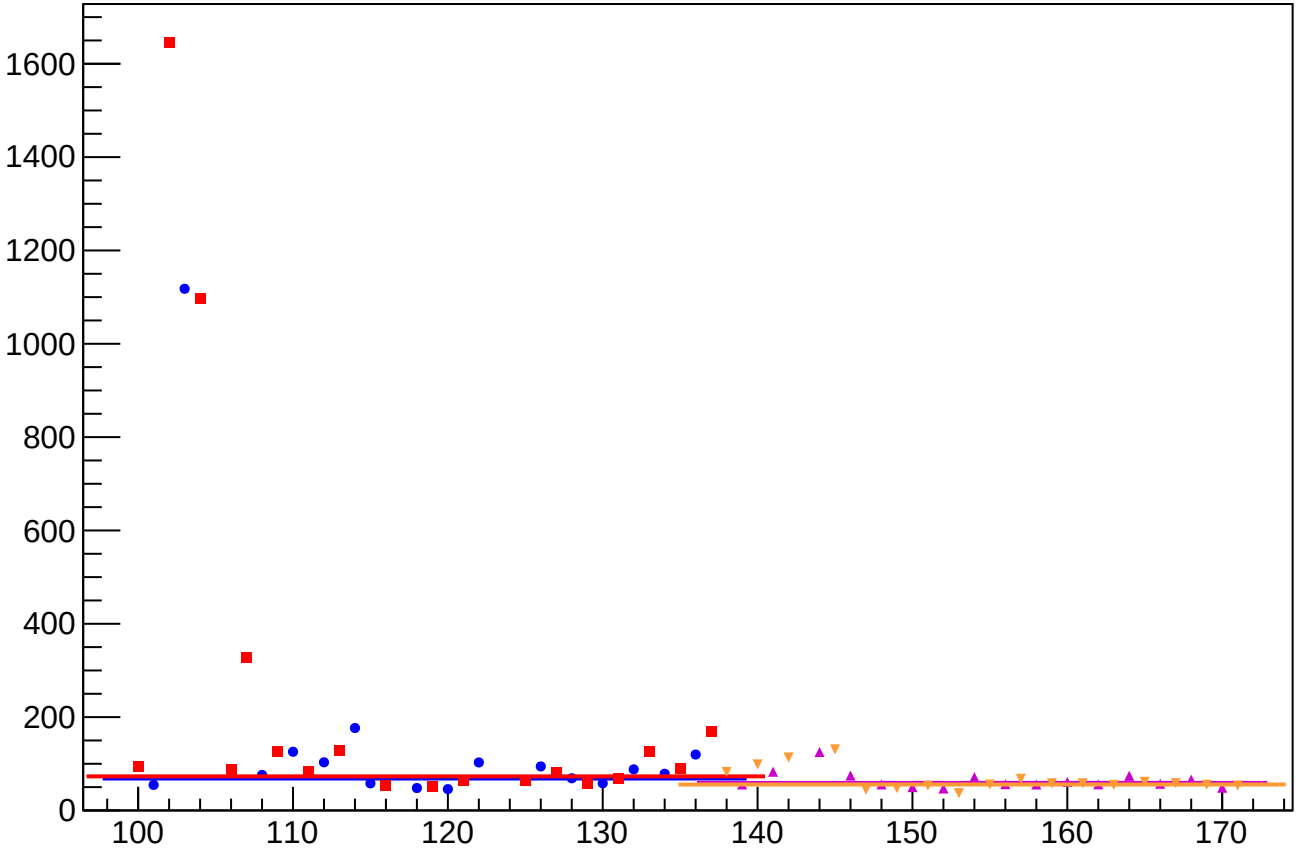
Left In: -0.001+/-0.018 χ^2/NDF:12.9/15

+ sign 0.013+/-0.015 χ^2/NDF: 46.6/32

All: 0.008+/-0.011 χ^2/NDF: 70.7/66

- sign 0.002+/-0.016 χ^2/NDF: 23.8/33

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587633.9/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

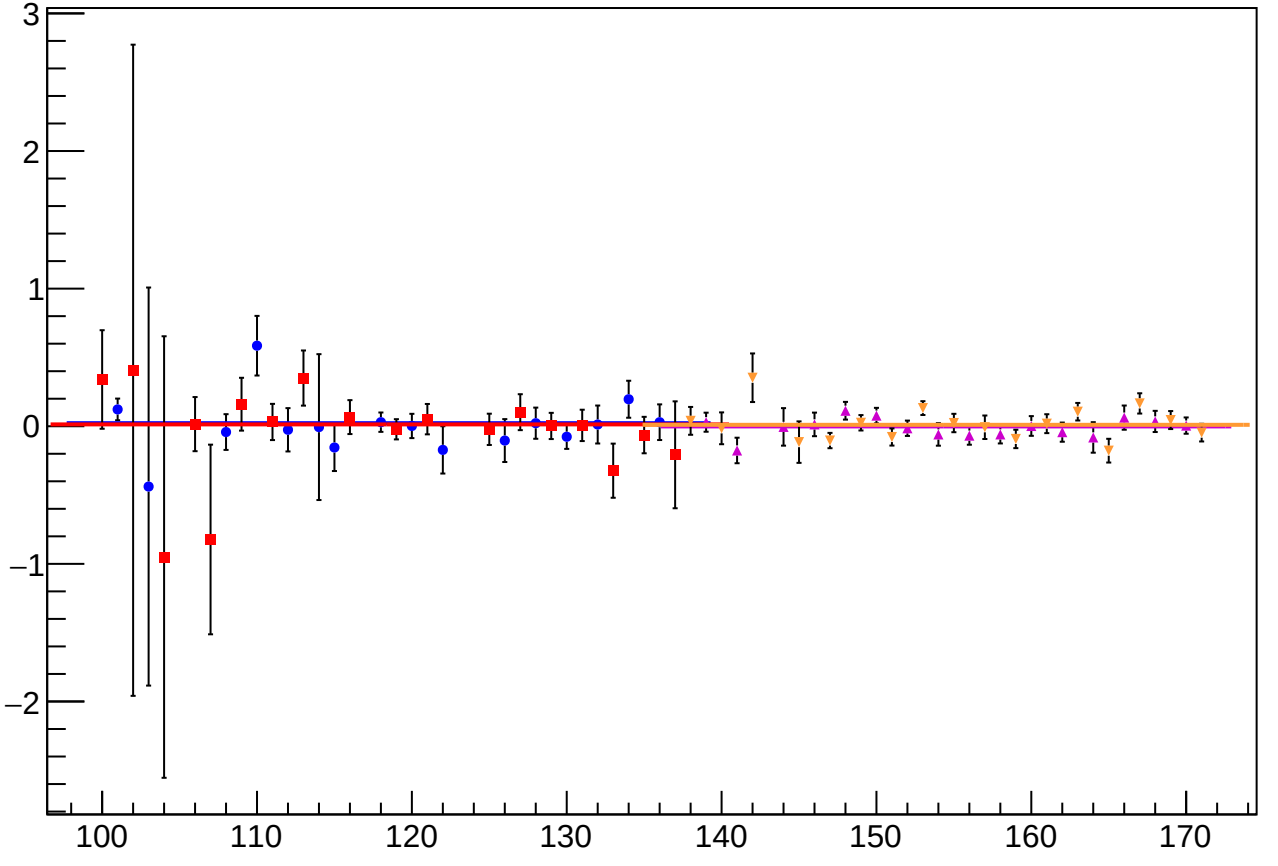
Left In: 59.021+/-0.013 χ^2/NDF:999973.8/15

+ sign 58.758+/-0.011 χ^2/NDF: 4138363.2/32

All: 60.366+/-0.008 χ^2/NDF: 8373868.0/66

- sign 62.186+/-0.011 χ^2/NDF: 4186074.2/33

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

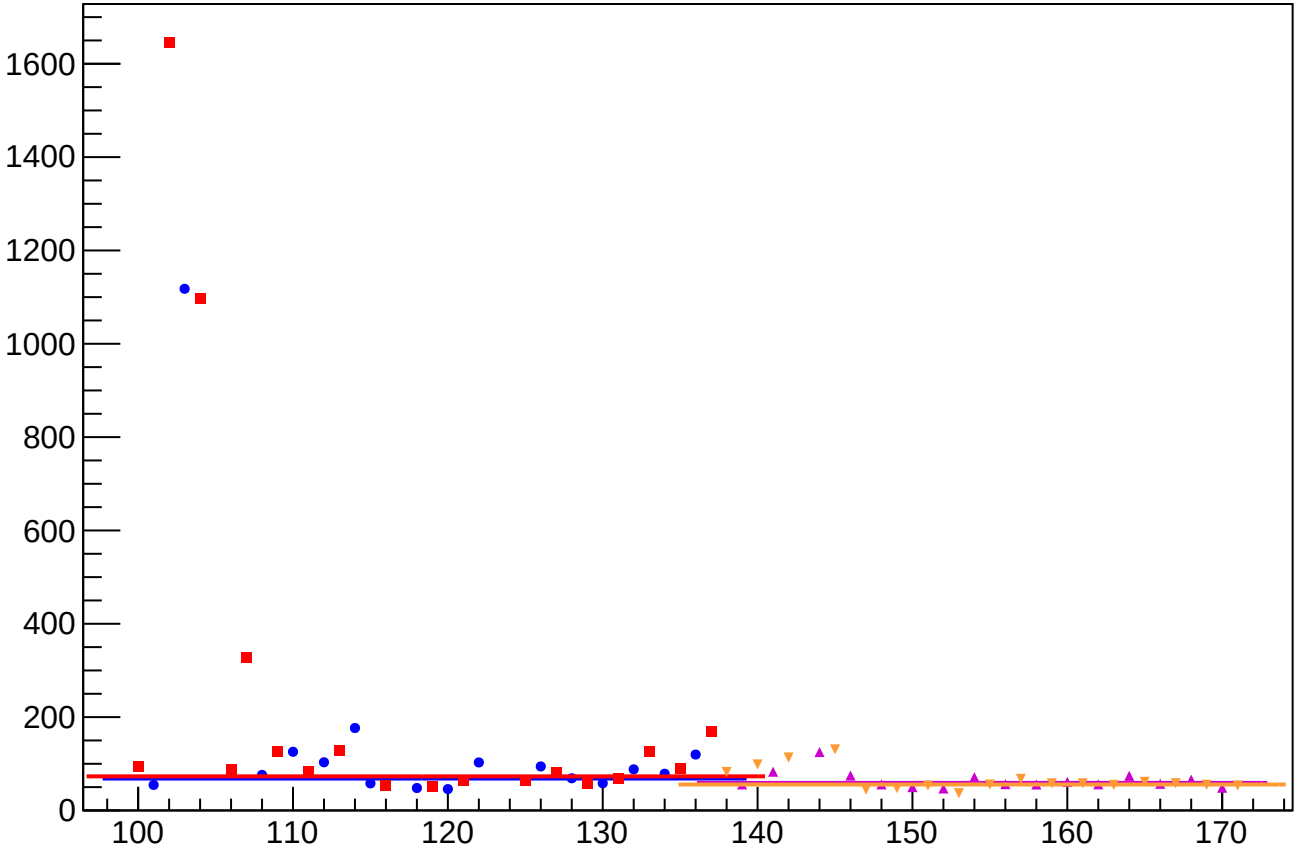
Left In: -0.001+/-0.018 χ^2/NDF:12.9/15

+ sign 0.013+/-0.015 χ^2/NDF: 46.6/32

All: 0.008+/-0.011 χ^2/NDF: 70.7/66

- sign 0.002+/-0.016 χ^2/NDF: 23.8/33

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587633.9/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

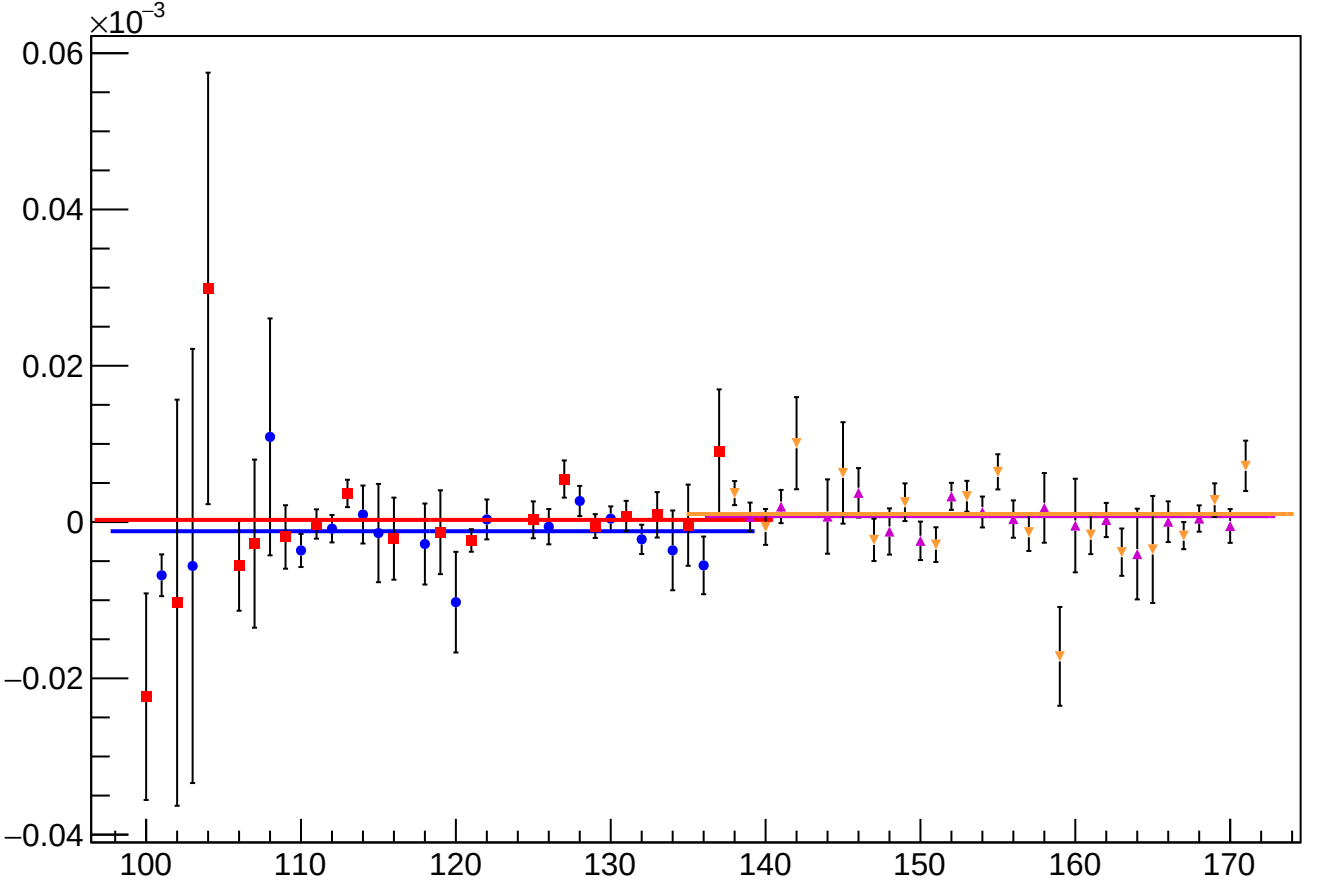
Left In: 59.021+/-0.013 χ^2/NDF:999973.8/15

+ sign 58.758+/-0.011 χ^2/NDF: 4138363.2/32

All: 60.366+/-0.008 χ^2/NDF: 8373868.0/66

- sign 62.186+/-0.011 χ^2/NDF: 4186074.2/33

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:38.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

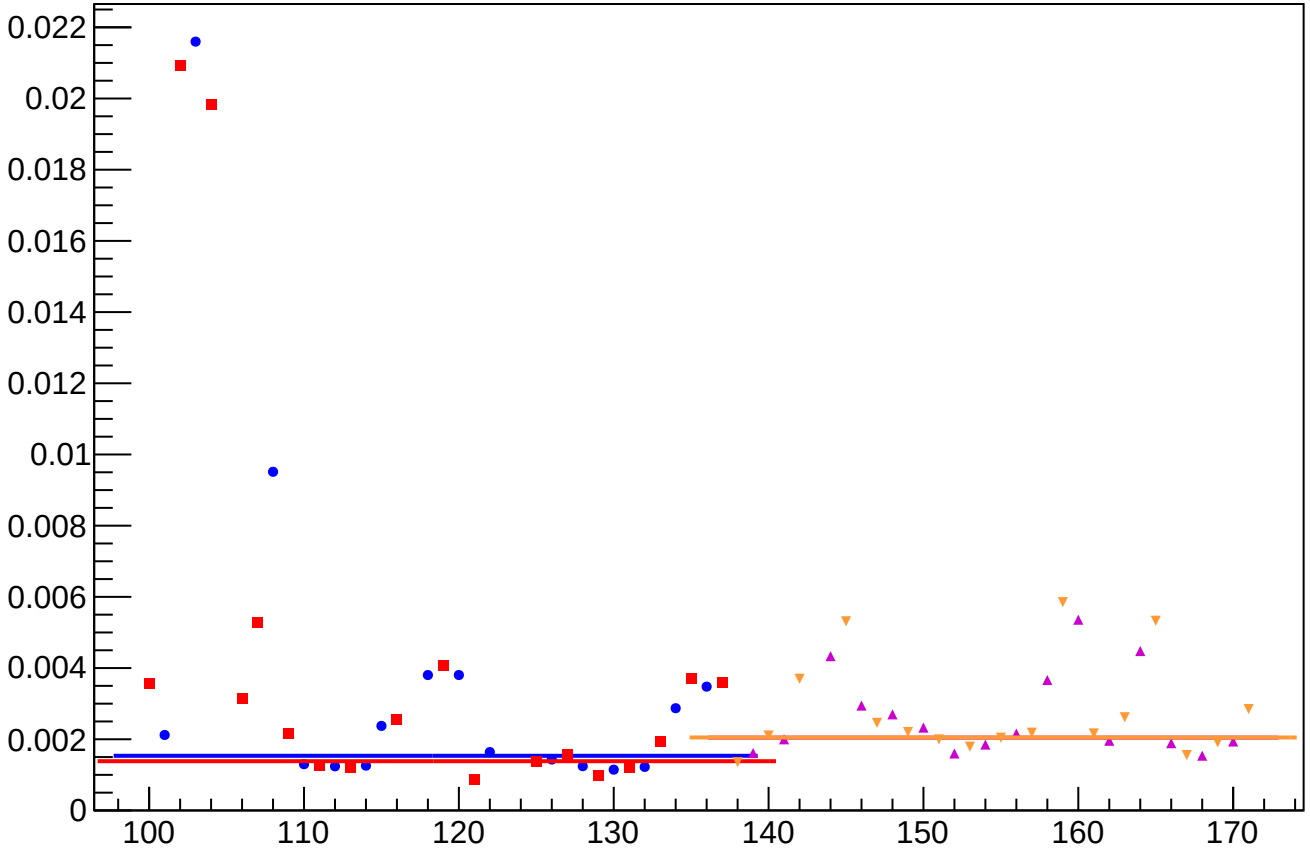
Left In: 0.000+/-0.000 χ^2/NDF:6.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/32

All: 0.000+/-0.000 χ^2/NDF: 88.6/66

- sign 0.000+/-0.000 χ^2/NDF: 26.7/33

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:2711856.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

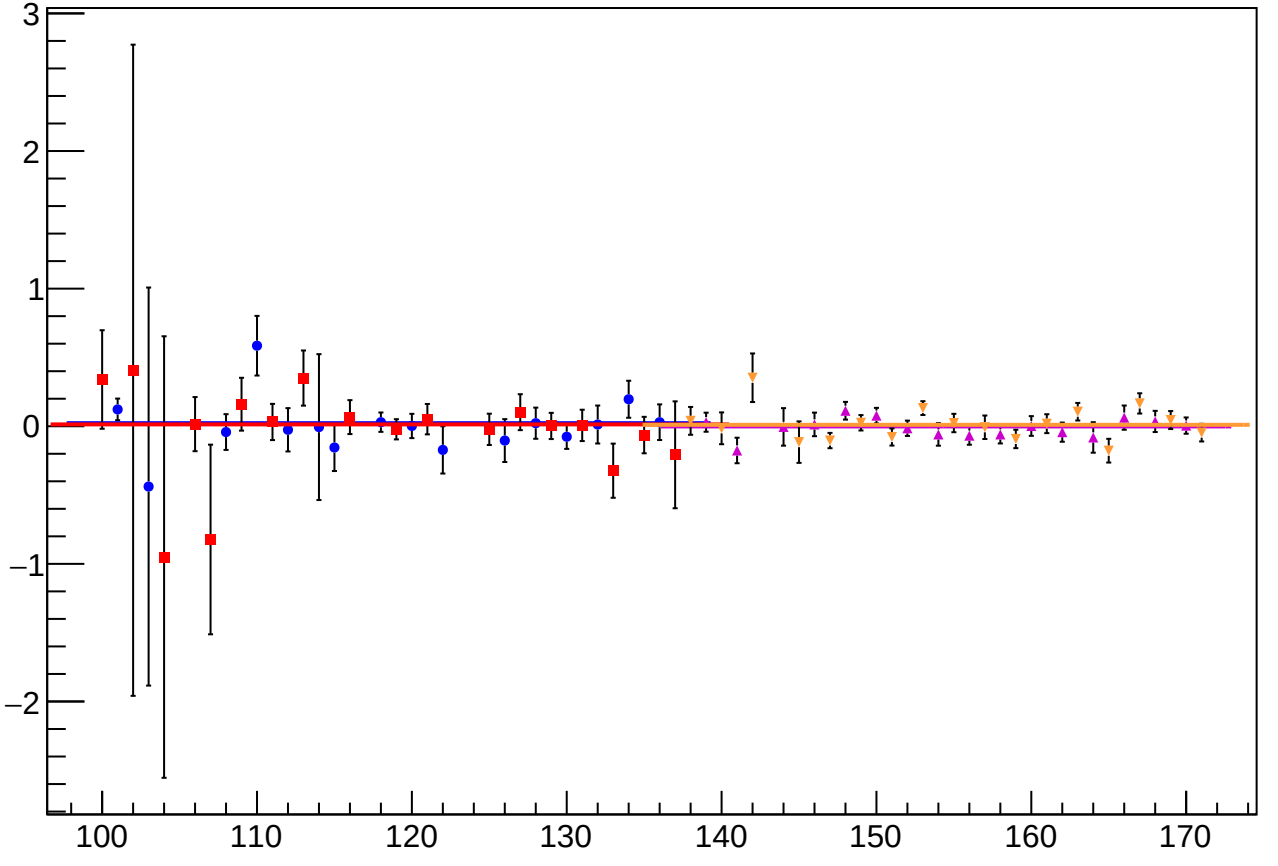
Left In: 0.002+/-0.000 χ^2/NDF:2440913.5/15

+ sign 0.002+/-0.000 χ^2/NDF: 6744296.5/32

All: 0.002+/-0.000 χ^2/NDF: 14636977.9/66

- sign 0.002+/-0.000 χ^2/NDF: 7852620.8/33

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

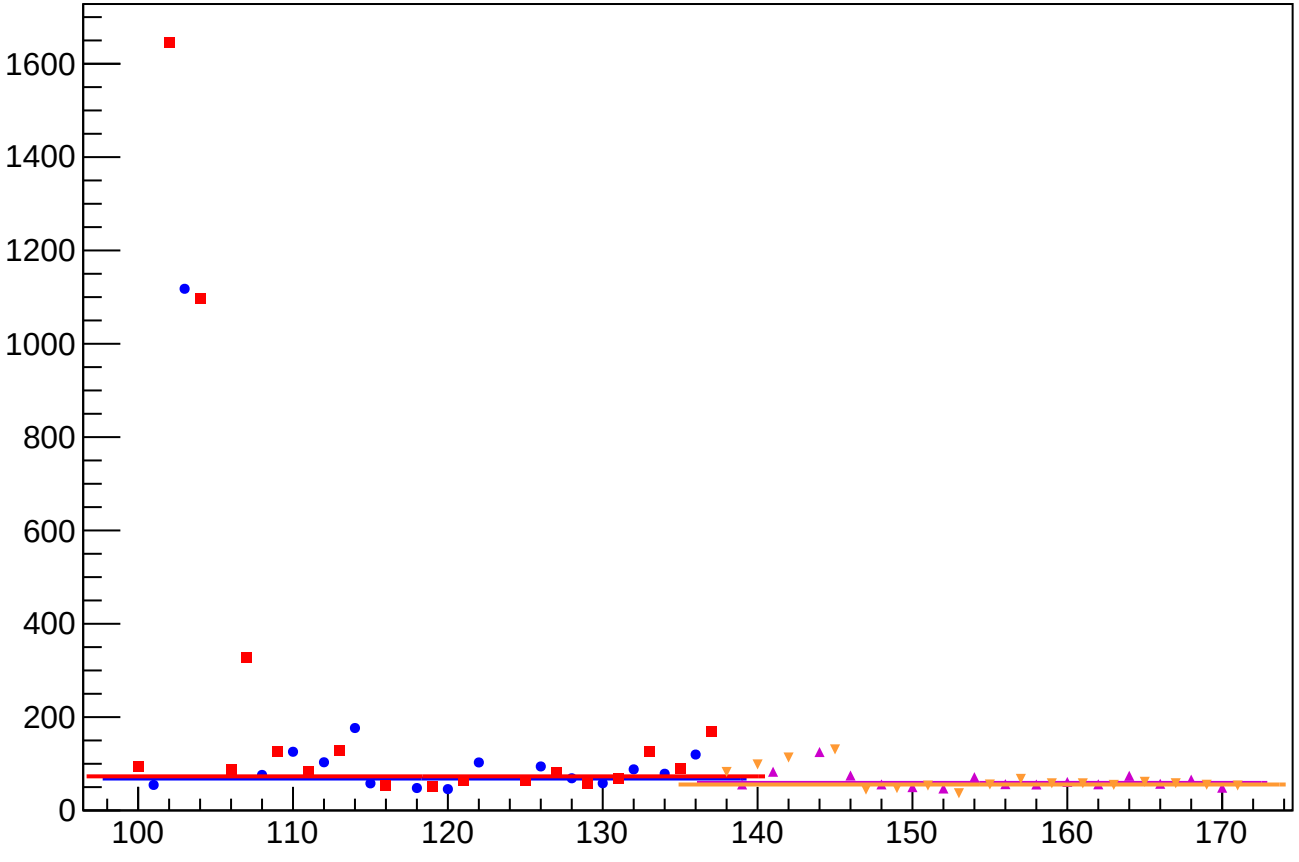
Left In: -0.001+/-0.018 χ^2/NDF:12.9/15

+ sign 0.013+/-0.015 χ^2/NDF: 46.6/32

All: 0.008+/-0.011 χ^2/NDF: 70.7/66

- sign 0.002+/-0.016 χ^2/NDF: 23.8/33

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587706.7/16

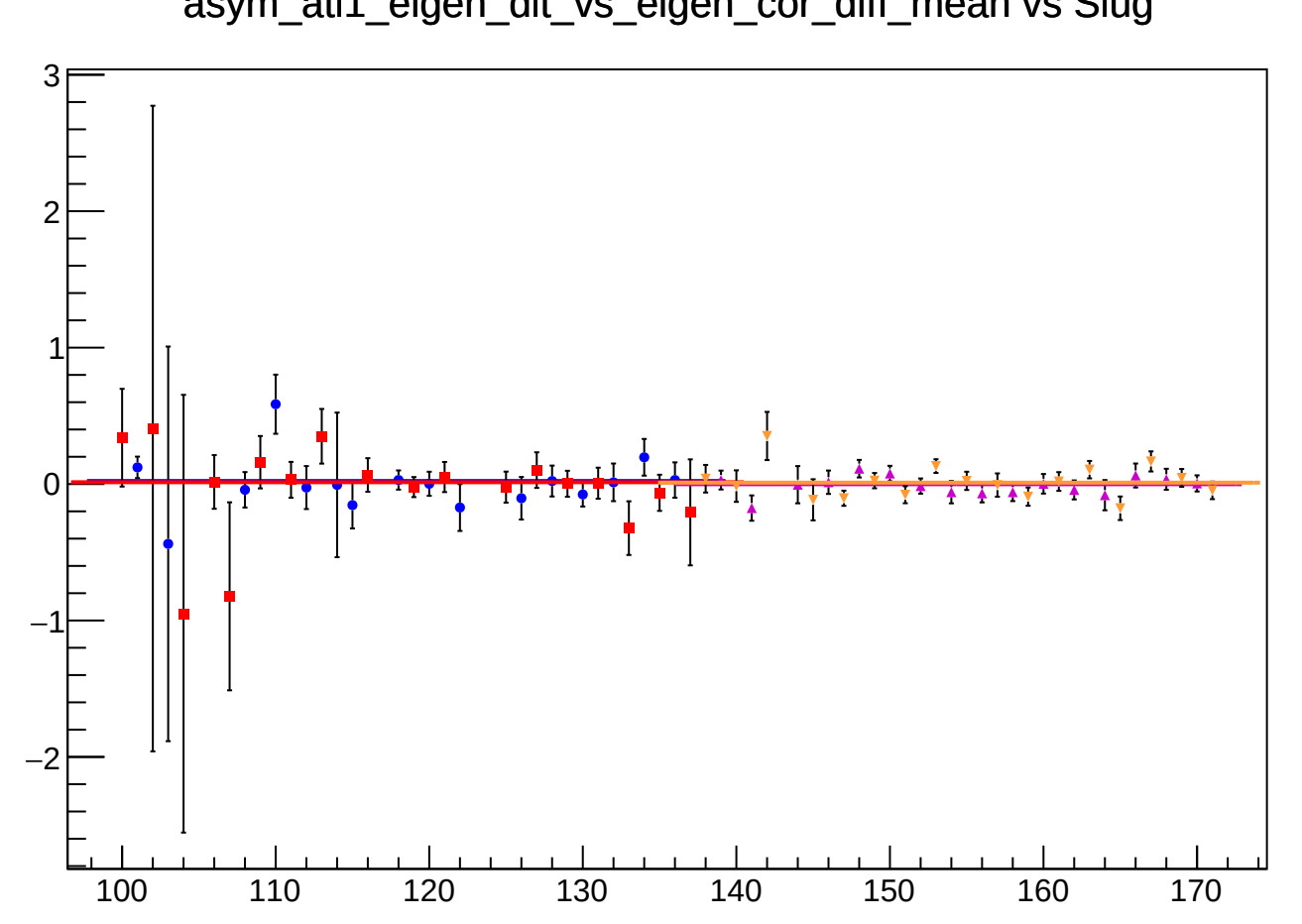
Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.021+/-0.013 χ^2/NDF:999944.7/15

+ sign 58.758+/-0.011 χ^2/NDF: 4138484.3/32

All: 60.366+/-0.008 χ^2/NDF: 8373954.8/66

- sign 62.187+/-0.011 χ^2/NDF: 4186030.4/33



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

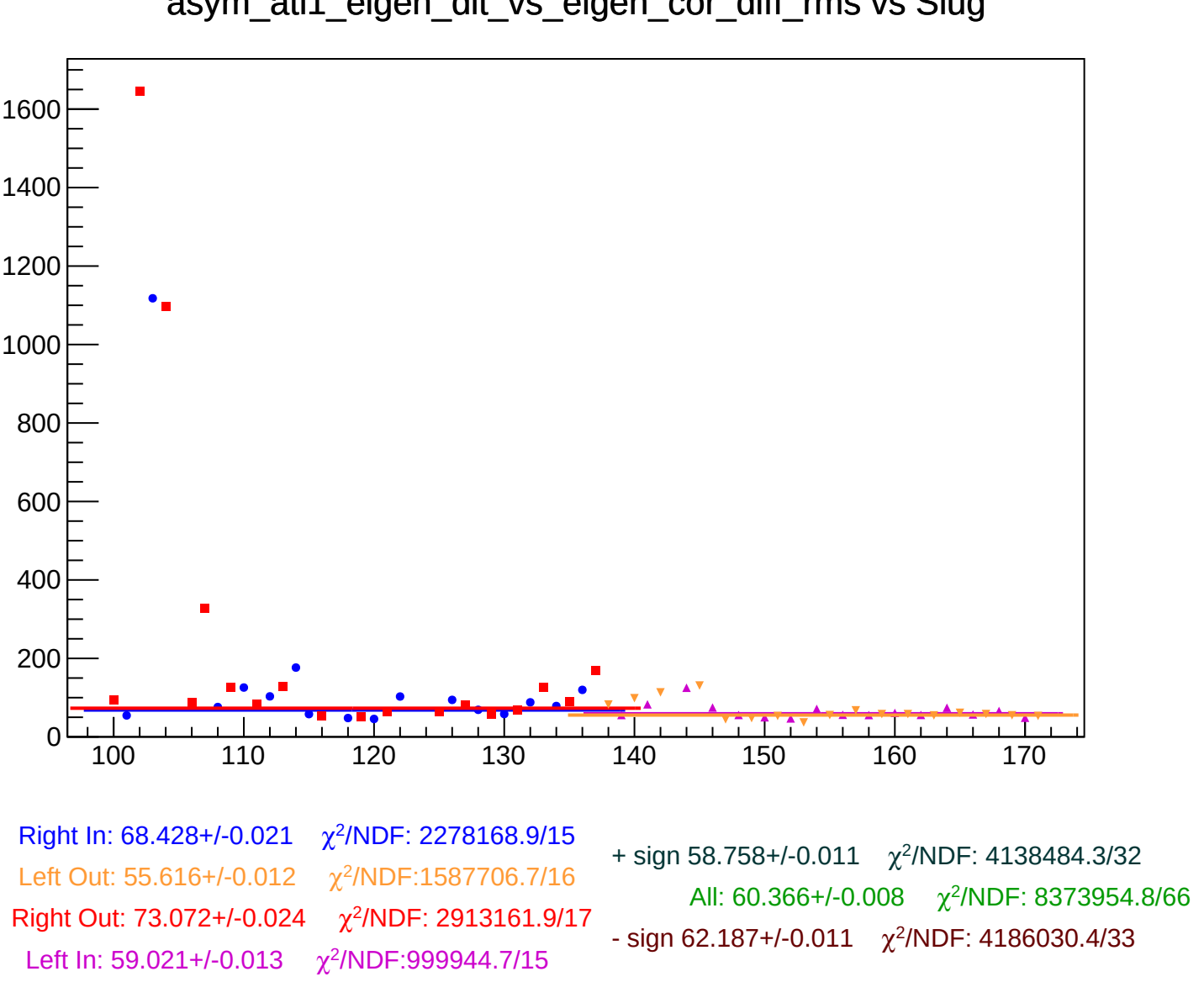
Right Out: 0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.018 χ^2/NDF:12.9/15

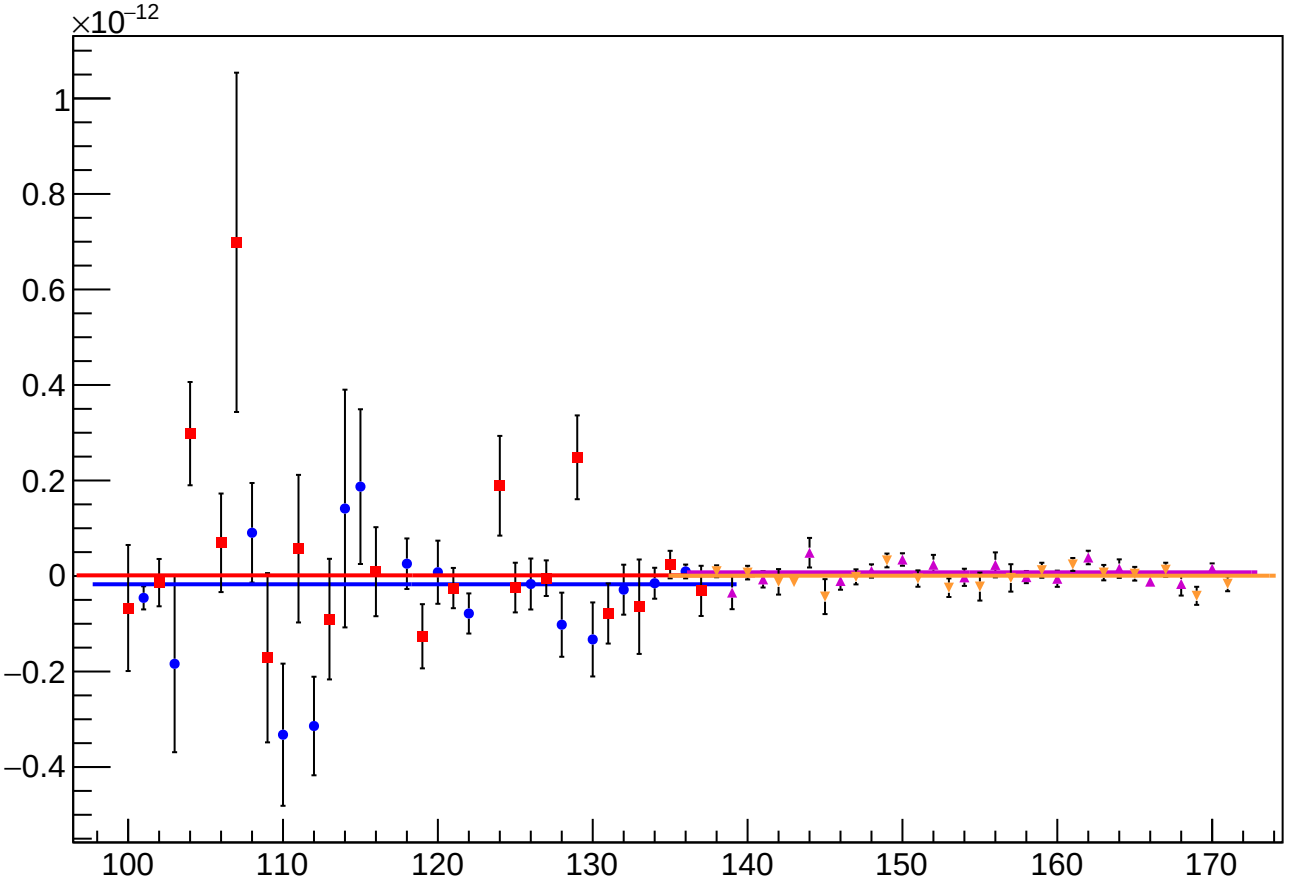
+ sign 0.013+/-0.015 χ^2/NDF: 46.6/32

All: 0.008+/-0.011 χ^2/NDF: 70.7/66

- sign 0.002+/-0.016 χ^2/NDF: 23.8/33


asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
Right In: 68.428+/-0.021 χ²/NDF: 2278168.9/15
Left Out: 55.616+/-0.012 χ²/NDF:1587706.7/16
Right Out: 73.072+/-0.024 χ²/NDF: 2913161.9/17
Left In: 59.021+/-0.013 χ²/NDF:999944.7/15
+ sign 58.758+/-0.011 χ²/NDF: 4138484.3/32
All: 60.366+/-0.008 χ²/NDF: 8373954.8/66
- sign 62.187+/-0.011 χ²/NDF: 4186030.4/33

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:22.4/17

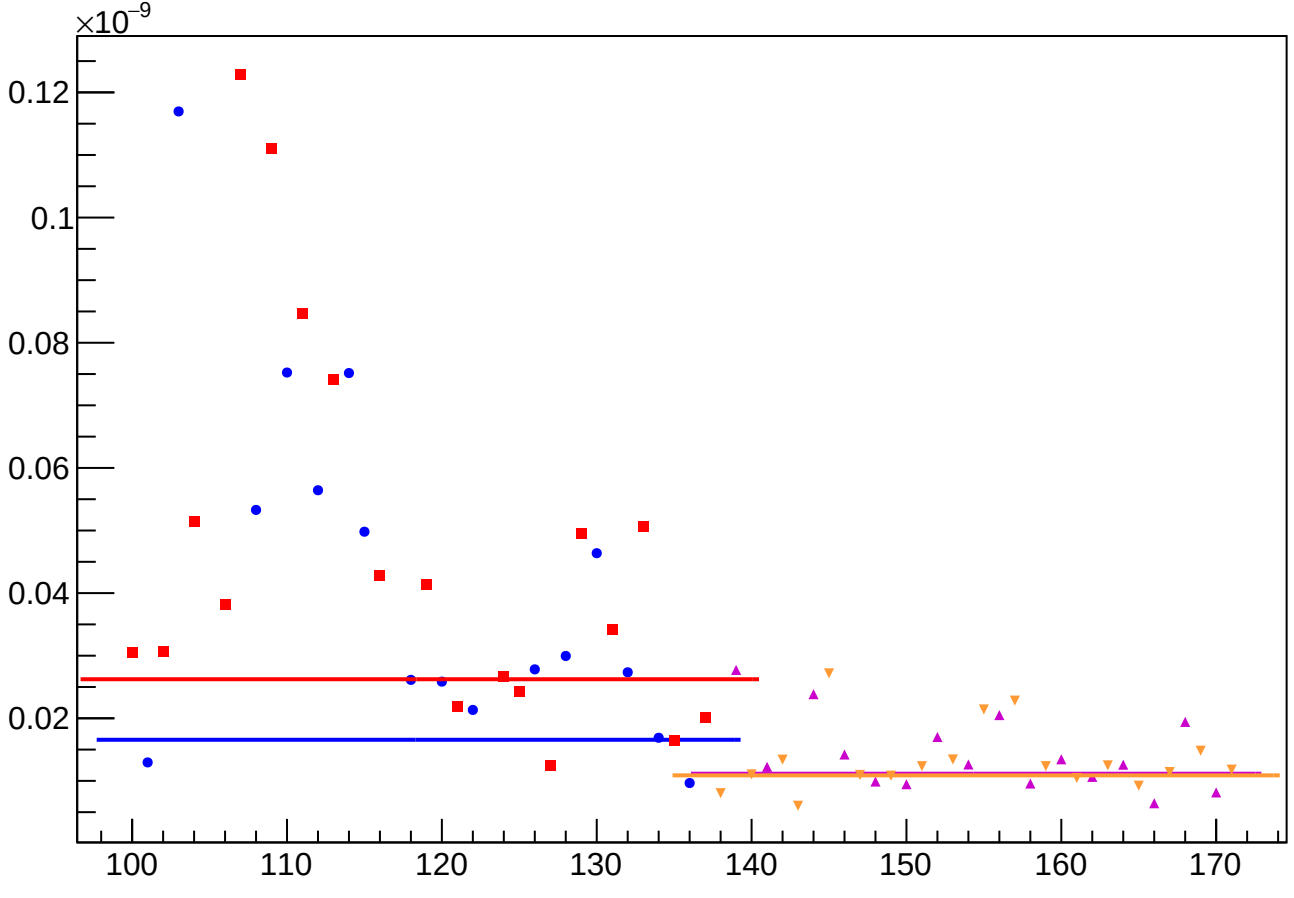
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/33

All: 0.000+/-0.000 χ^2/NDF: 110.6/68

- sign 0.000+/-0.000 χ^2/NDF: 54.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873109.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

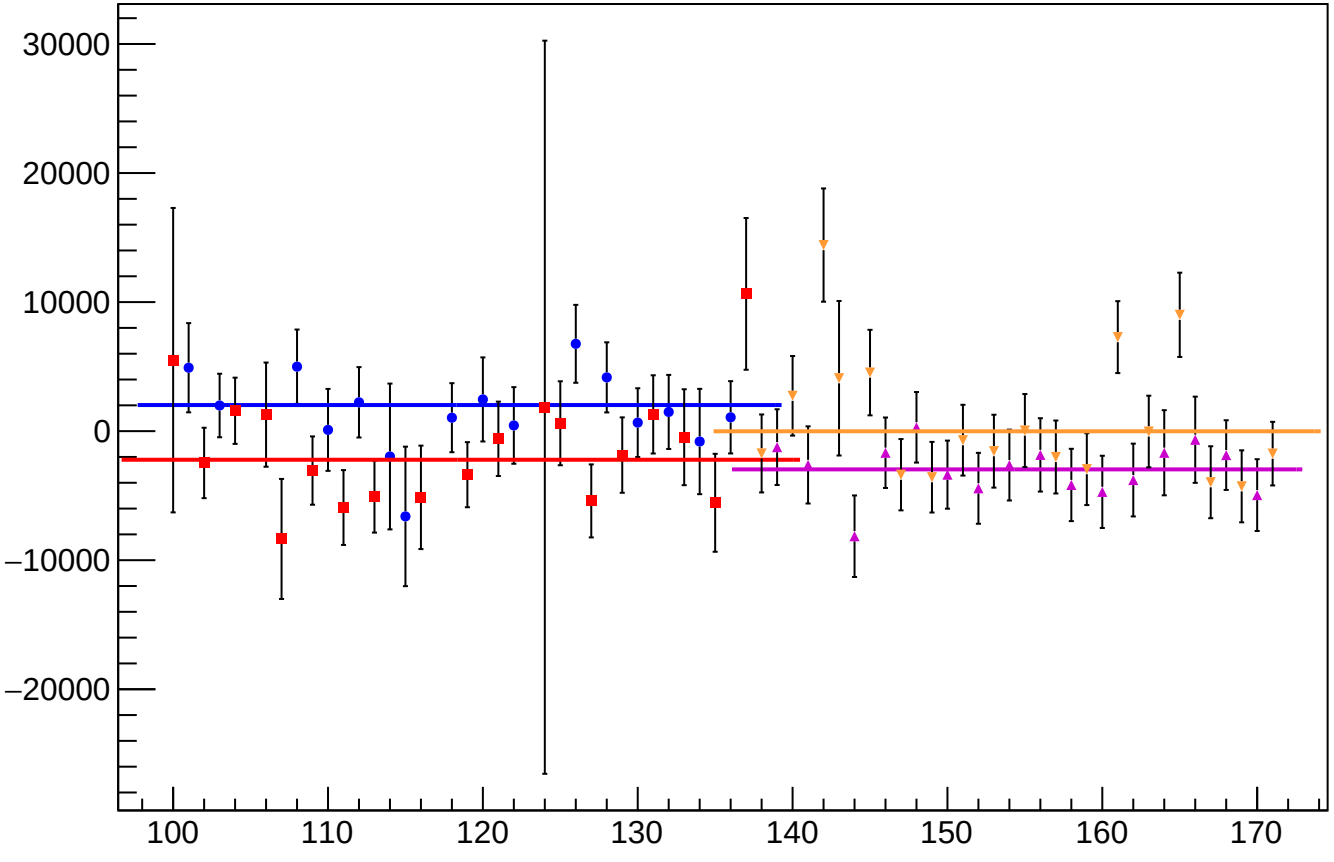
Left In: 0.000+/-0.000 χ^2/NDF:2216079.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 5265130.9/33

All: 0.000+/-0.000 χ^2/NDF: 11938223.1/68

- sign 0.000+/-0.000 χ^2/NDF: 6640286.4/34

reg_asym_atl2_mean vs Slug



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.078+/-696.370 χ^2/NDF:38.8/17

Right Out: -2217.261+/-756.139 χ^2/NDF: 18.1/18

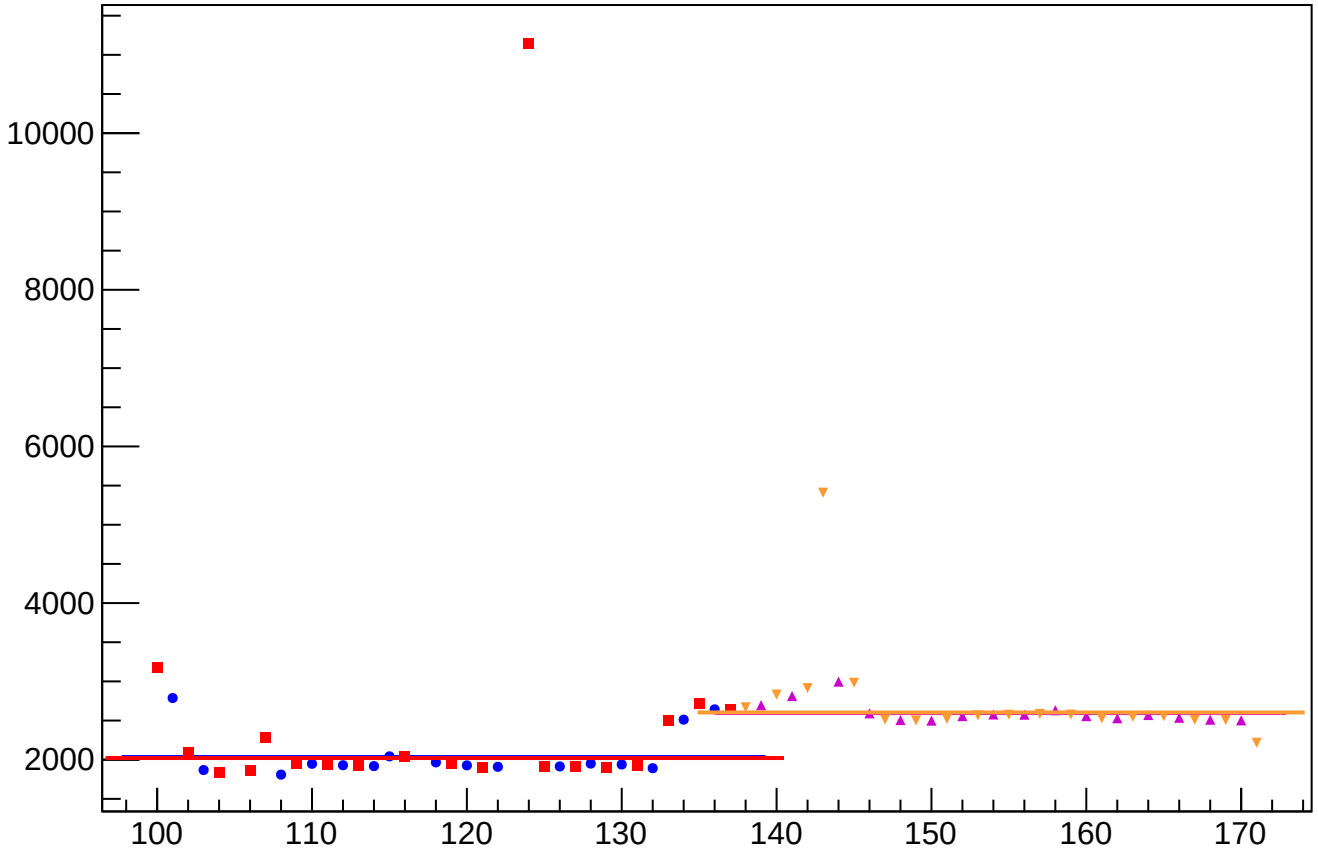
Left In: -2963.697+/-714.697 χ^2/NDF:7.1/15

+ sign 911.353+/-514.769 χ^2/NDF: 52.2/33

All: -834.295+/-365.623 χ^2/NDF: 101.2/68

- sign -2611.494+/-519.400 χ^2/NDF: 25.8/34

reg_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2603.539+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

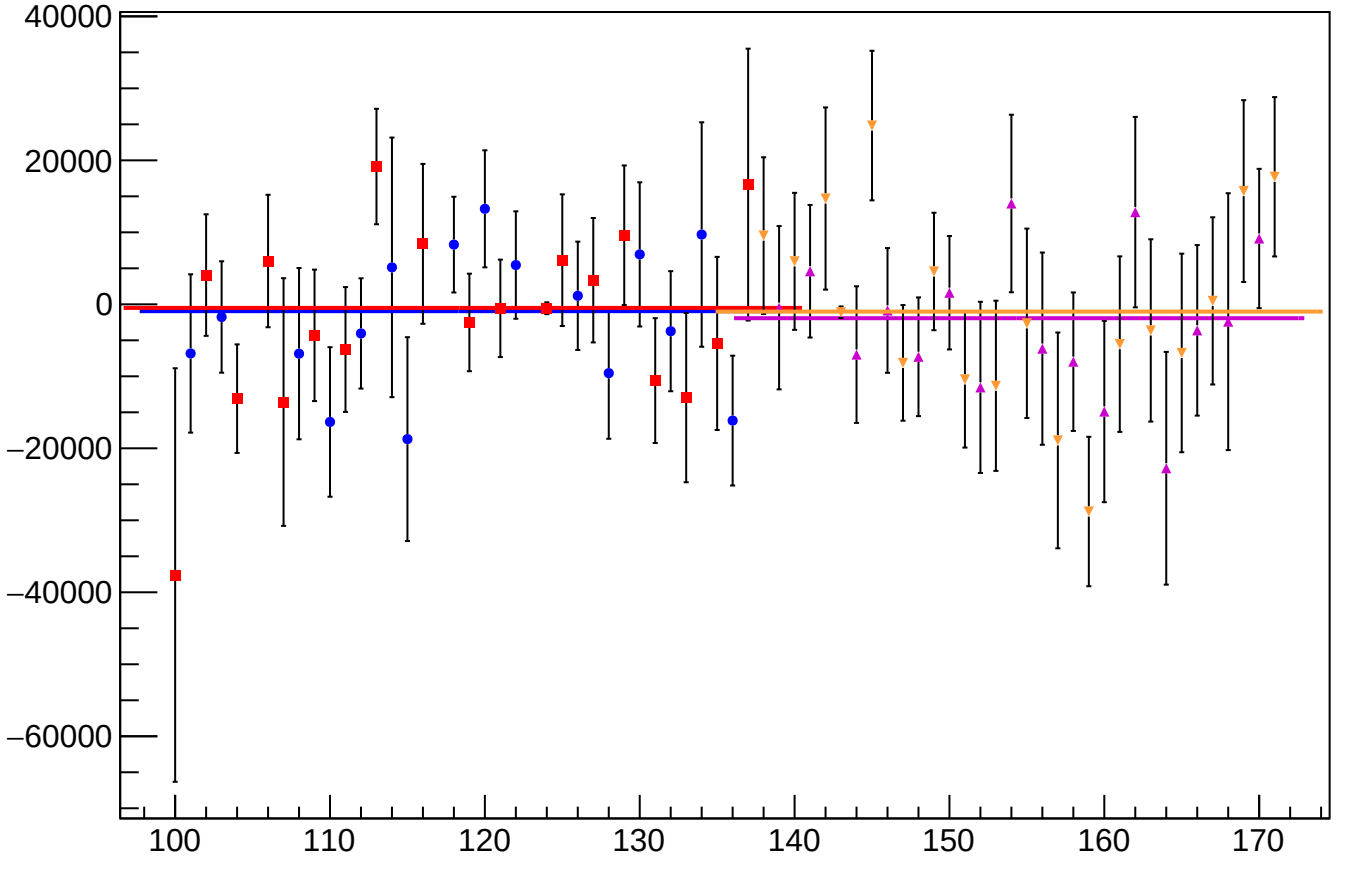
Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

+ sign 2345.293+/-0.364 χ^2/NDF: 1420828.8/33

All: 2335.108+/-0.259 χ^2/NDF: 2478962.2/68

- sign 2324.740+/-0.367 χ^2/NDF: 1056553.6/34

asym_atl2_reg_correction_mean vs Slug



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1009.965+/-771.891 χ^2/NDF:25.8/17

Right Out: -497.346+/-768.286 χ^2/NDF: 18.5/18

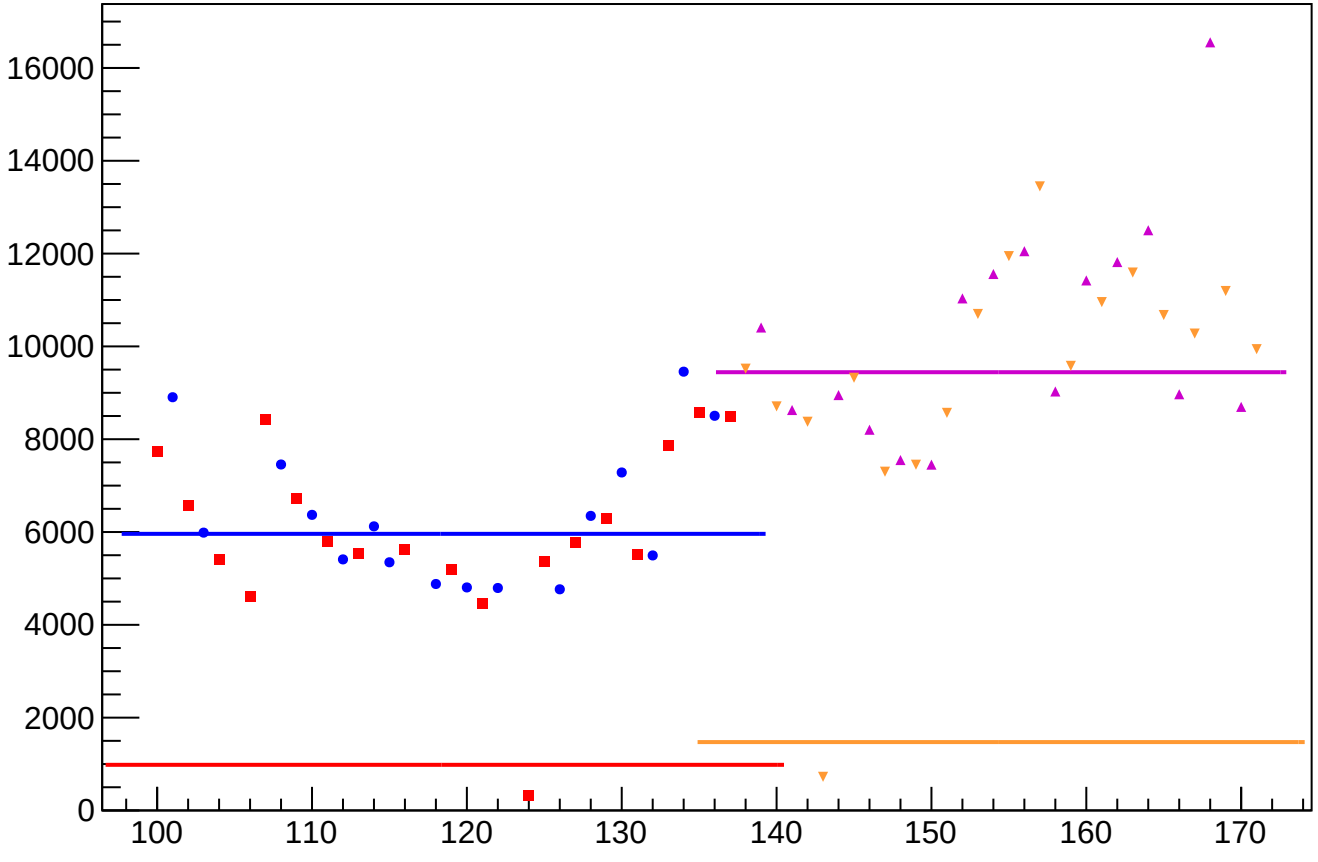
Left In: -1929.109+/-2656.579 χ^2/NDF:9.6/15

+ sign -1003.845+/-731.080 χ^2/NDF: 41.2/33

All: -807.725+/-519.396 χ^2/NDF: 69.6/68

- sign -607.853+/-738.042 χ^2/NDF: 28.3/34

asym_atl2_reg_correction_rms vs Slug



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1473.387+/-0.546 χ^2/NDF:20821052.5/17

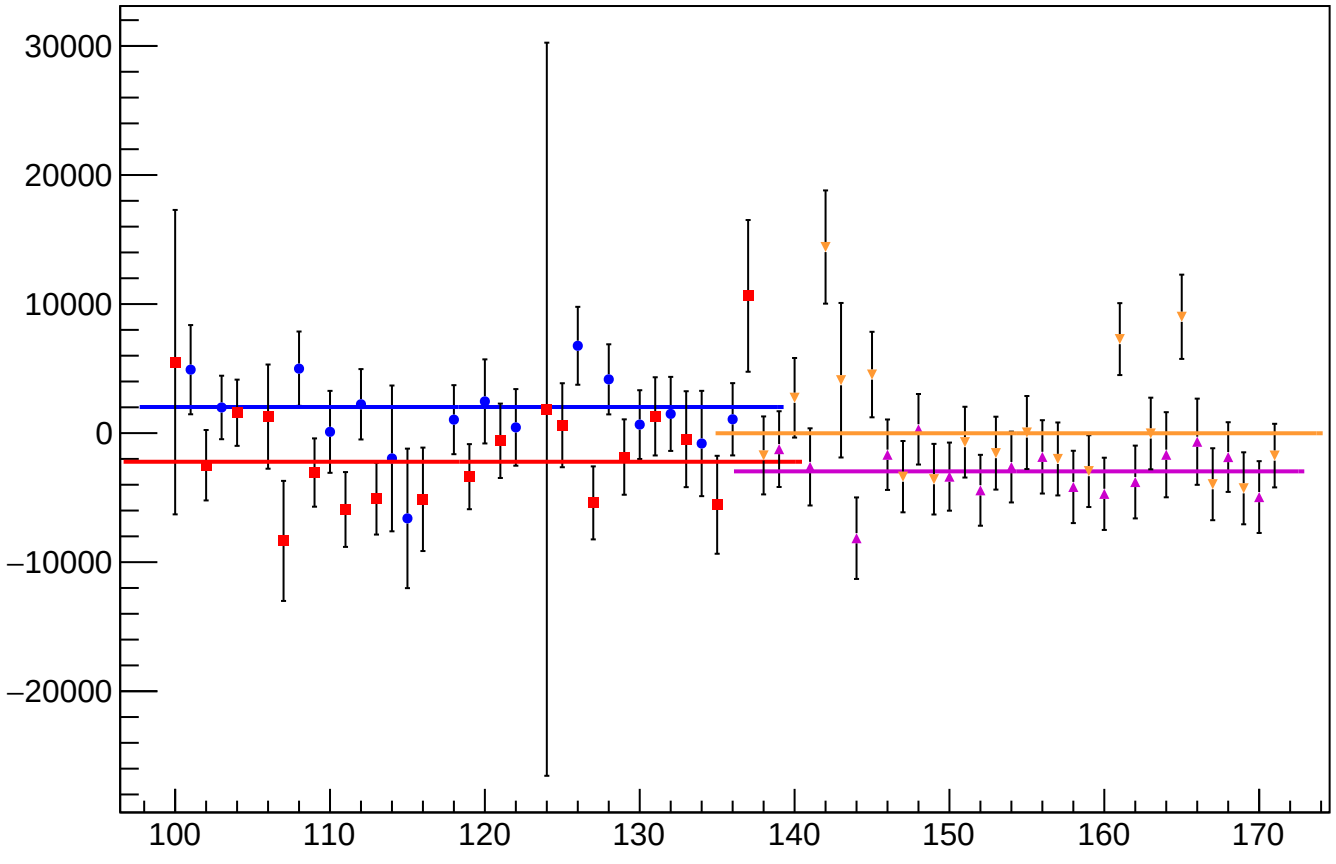
Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9443.889+/-1.878 χ^2/NDF:1002529.5/15

+ sign 1935.359+/-0.517 χ^2/NDF: 28469045.0/33

All: 1787.257+/-0.367 χ^2/NDF: 59773733.3/6

- sign 1636.321+/-0.522 χ^2/NDF: 31138963.9/34



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.055+/-696.370 χ^2/NDF:38.8/17

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

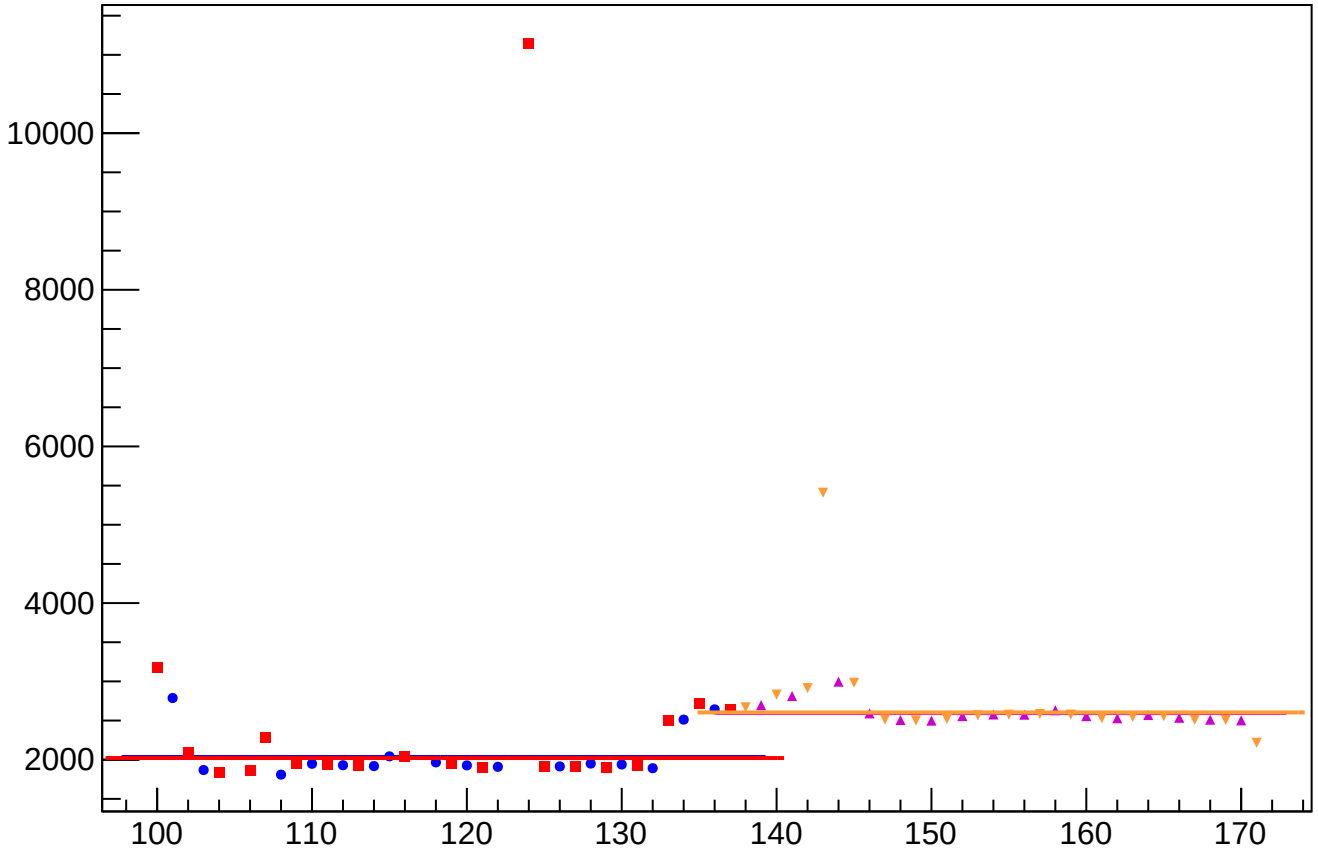
Left In: -2963.809+/-714.697 χ^2/NDF:7.1/15

+ sign 911.422+/-514.769 χ^2/NDF: 52.2/33

All: -834.713+/-365.624 χ^2/NDF: 101.3/68

- sign -2612.425+/-519.403 χ^2/NDF: 25.8/34

cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2603.540+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

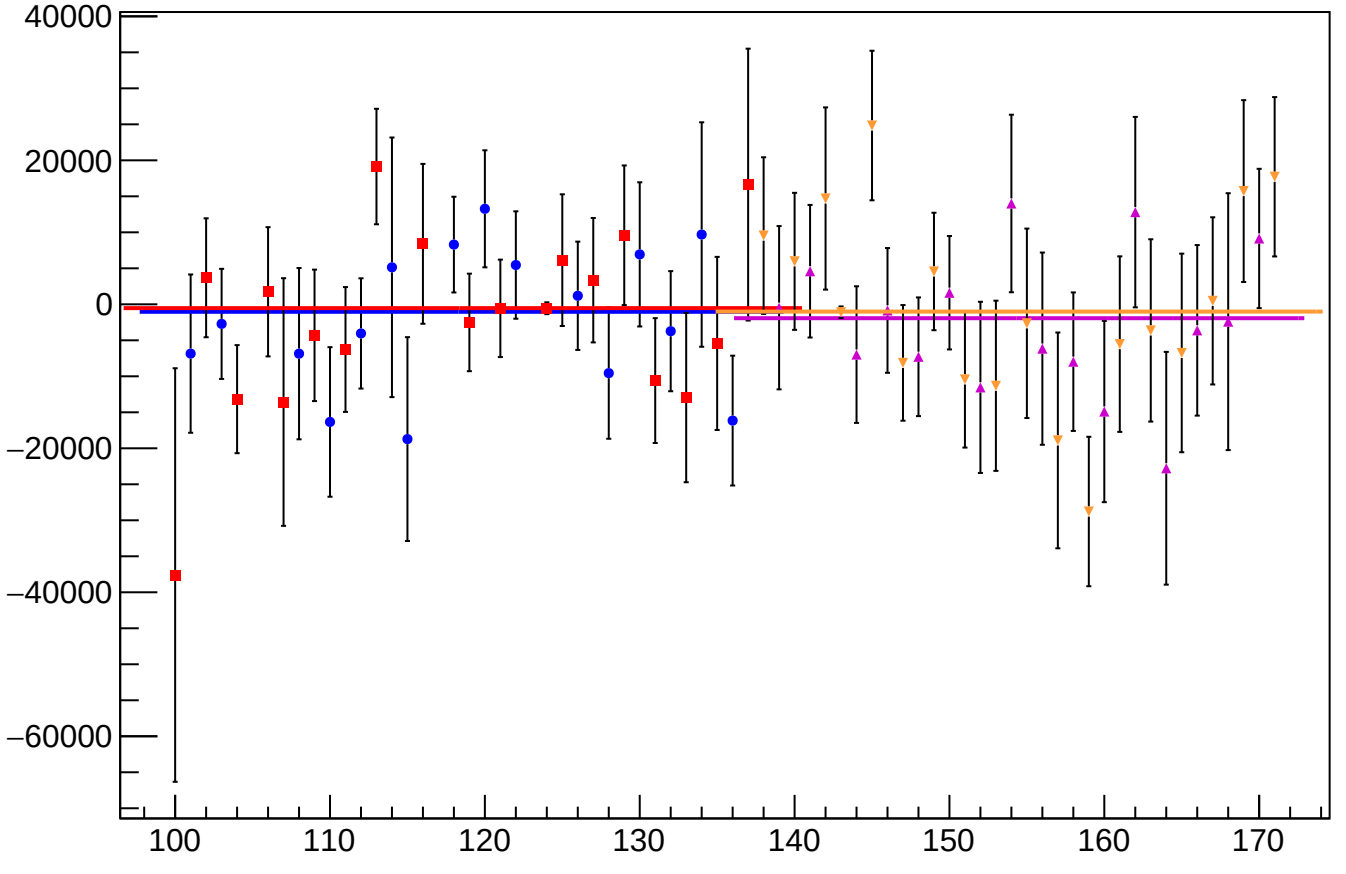
Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

+ sign 2345.293+/-0.364 χ^2/NDF: 1420829.0/33

All: 2335.115+/-0.259 χ^2/NDF: 2478920.0/68

- sign 2324.753+/-0.367 χ^2/NDF: 1056513.3/34

asym_atl2_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1009.748+/-771.823 χ^2/NDF:25.8/17

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

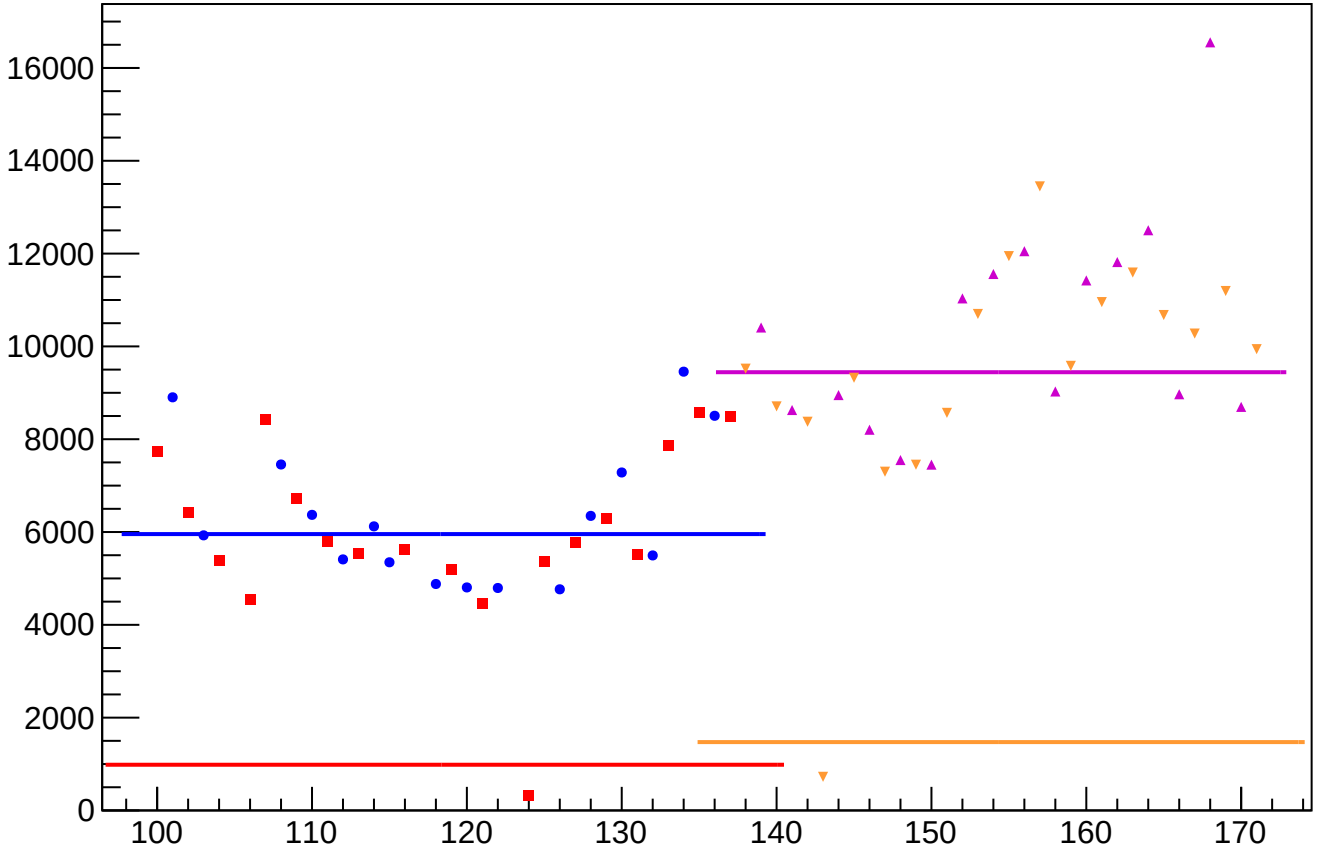
Left In: -1929.250+/-2656.576 χ^2/NDF:9.6/15

+ sign -1012.655+/-730.944 χ^2/NDF: 41.2/33

All: -827.319+/-519.242 χ^2/NDF: 69.2/68

- sign -638.520+/-737.741 χ^2/NDF: 27.8/34

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1473.192+/-0.546 χ^2/NDF:20821699.6/17

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

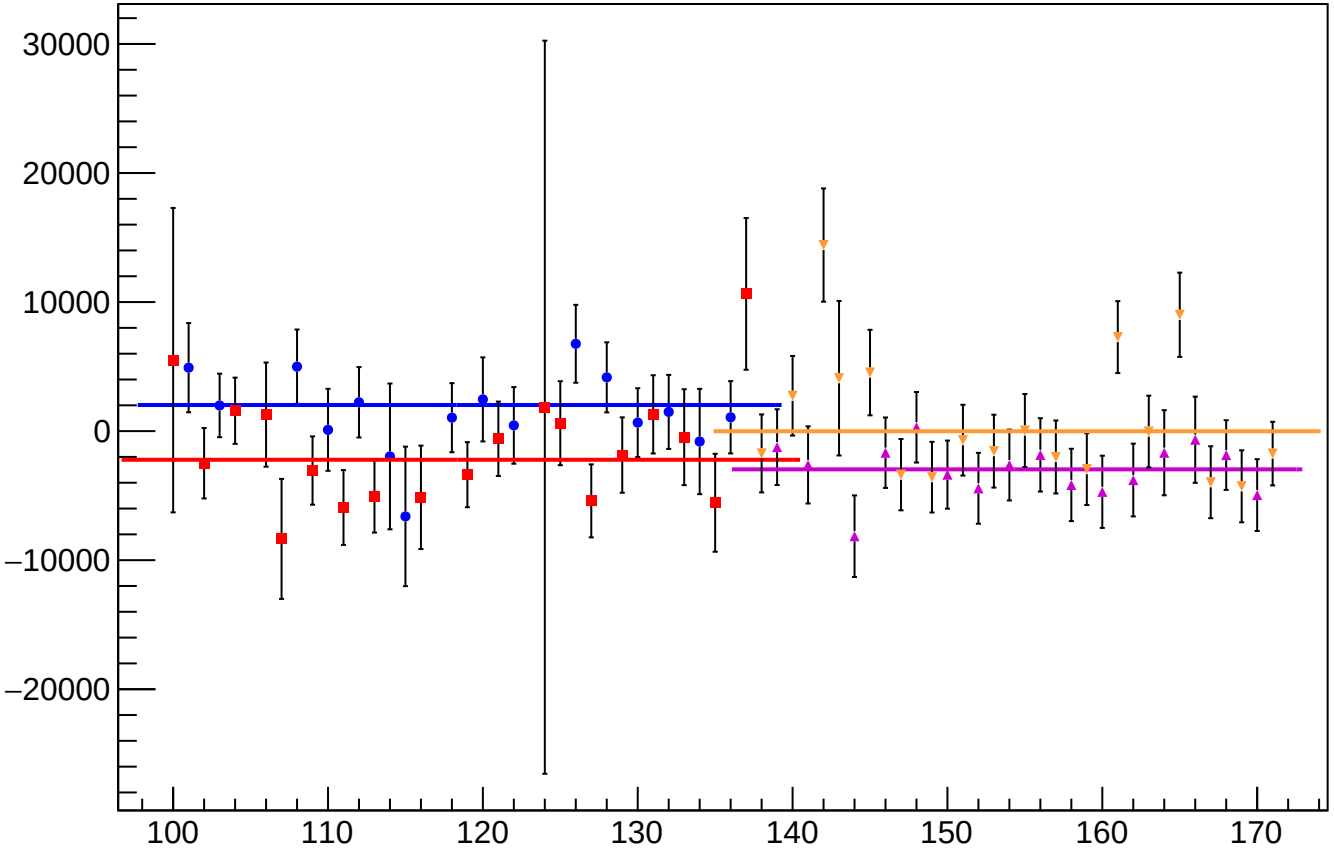
Left In: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

+ sign 1935.434+/-0.517 χ^2/NDF: 28467165.7/33

All: 1787.789+/-0.367 χ^2/NDF: 59760637.0/6

- sign 1637.384+/-0.522 χ^2/NDF: 31128741.8/34

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.055+/-696.370 χ^2/NDF:38.8/17

Right Out: -2219.099+/-756.147 χ^2/NDF: 18.1/18

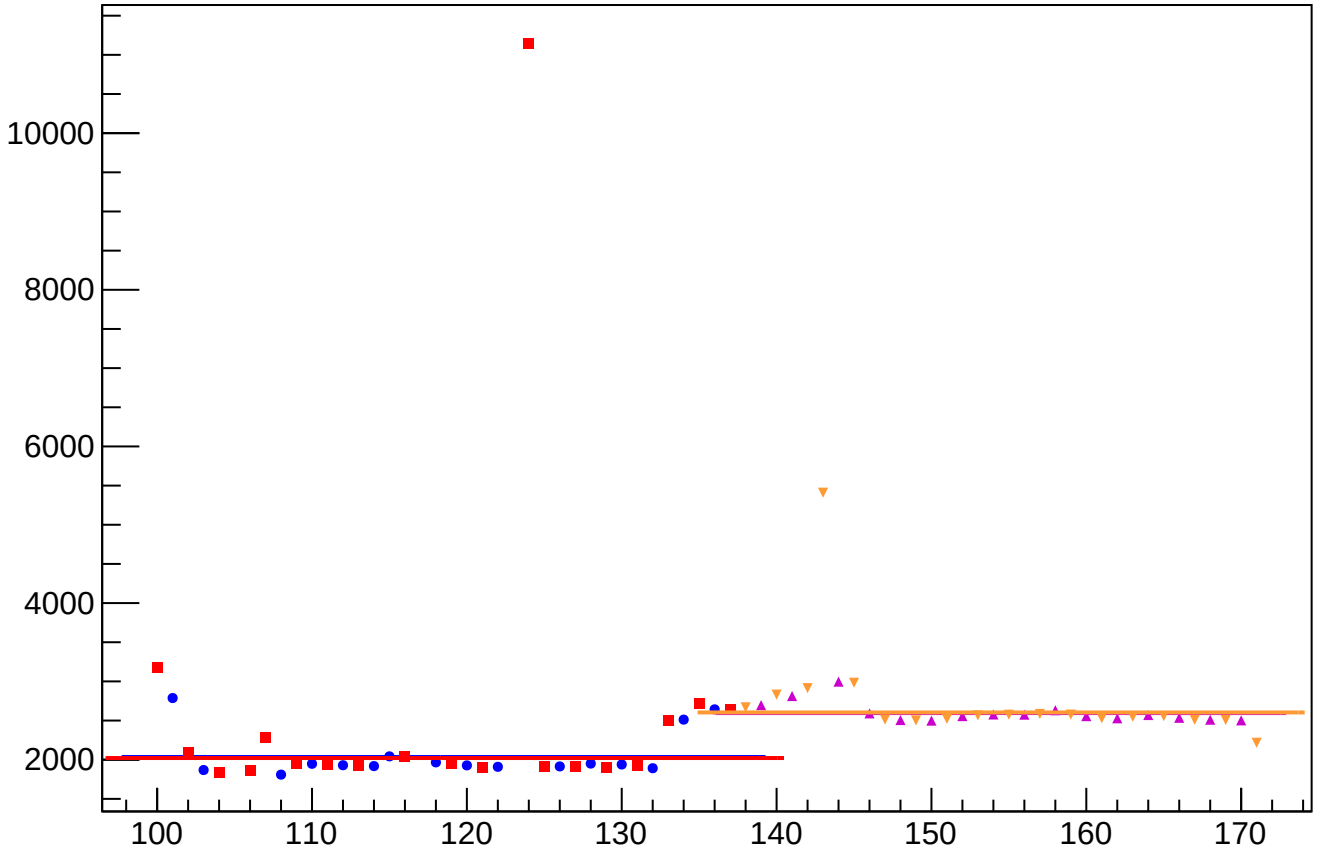
Left In: -2963.809+/-714.697 χ^2/NDF:7.1/15

+ sign 911.422+/-514.769 χ^2/NDF: 52.2/33

All: -834.713+/-365.624 χ^2/NDF: 101.3/68

- sign -2612.425+/-519.403 χ^2/NDF: 25.8/34

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2603.540+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

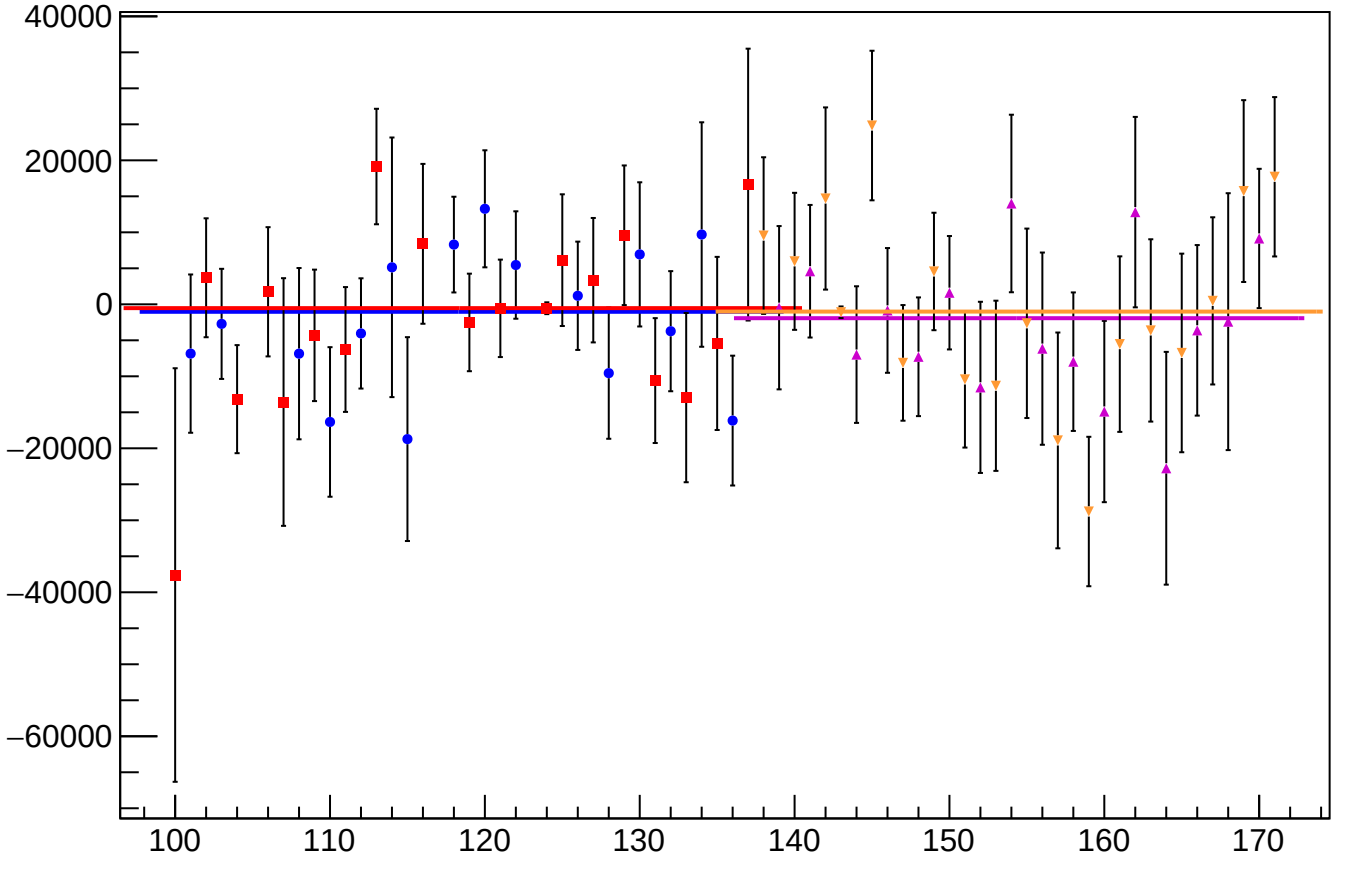
Left In: 2595.611+/-0.505 χ^2/NDF:57381.9/15

+ sign 2345.293+/-0.364 χ^2/NDF: 1420829.0/33

All: 2335.115+/-0.259 χ^2/NDF: 2478920.0/68

- sign 2324.753+/-0.367 χ^2/NDF: 1056513.3/34

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1009.748+/-771.823 χ^2/NDF:25.8/17

Right Out: -530.662+/-767.947 χ^2/NDF: 18.0/18

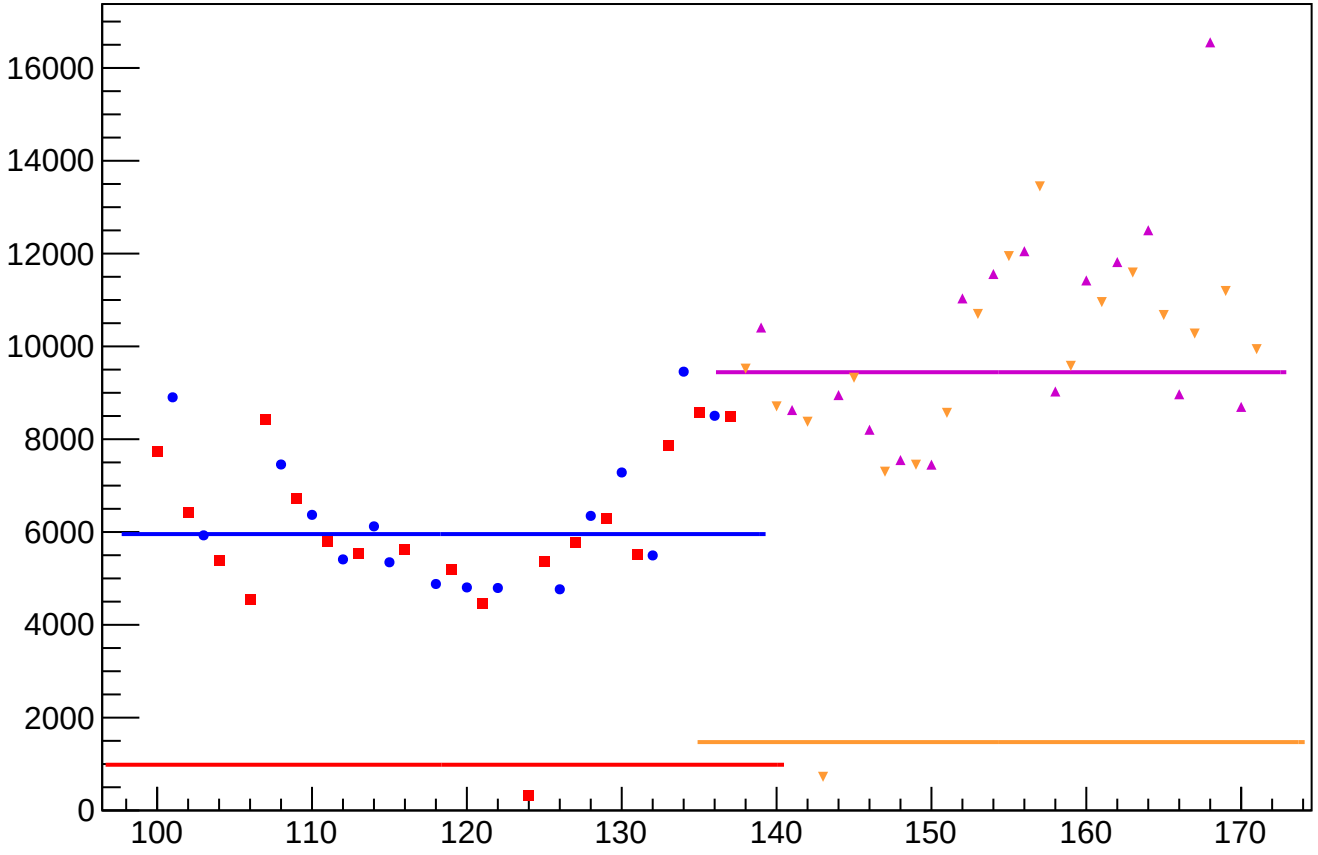
Left In: -1929.250+/-2656.576 χ^2/NDF:9.6/15

+ sign -1012.655+/-730.944 χ^2/NDF: 41.2/33

All: -827.319+/-519.242 χ^2/NDF: 69.2/68

- sign -638.520+/-737.741 χ^2/NDF: 27.8/34

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1473.192+/-0.546 χ^2/NDF:20821699.6/17

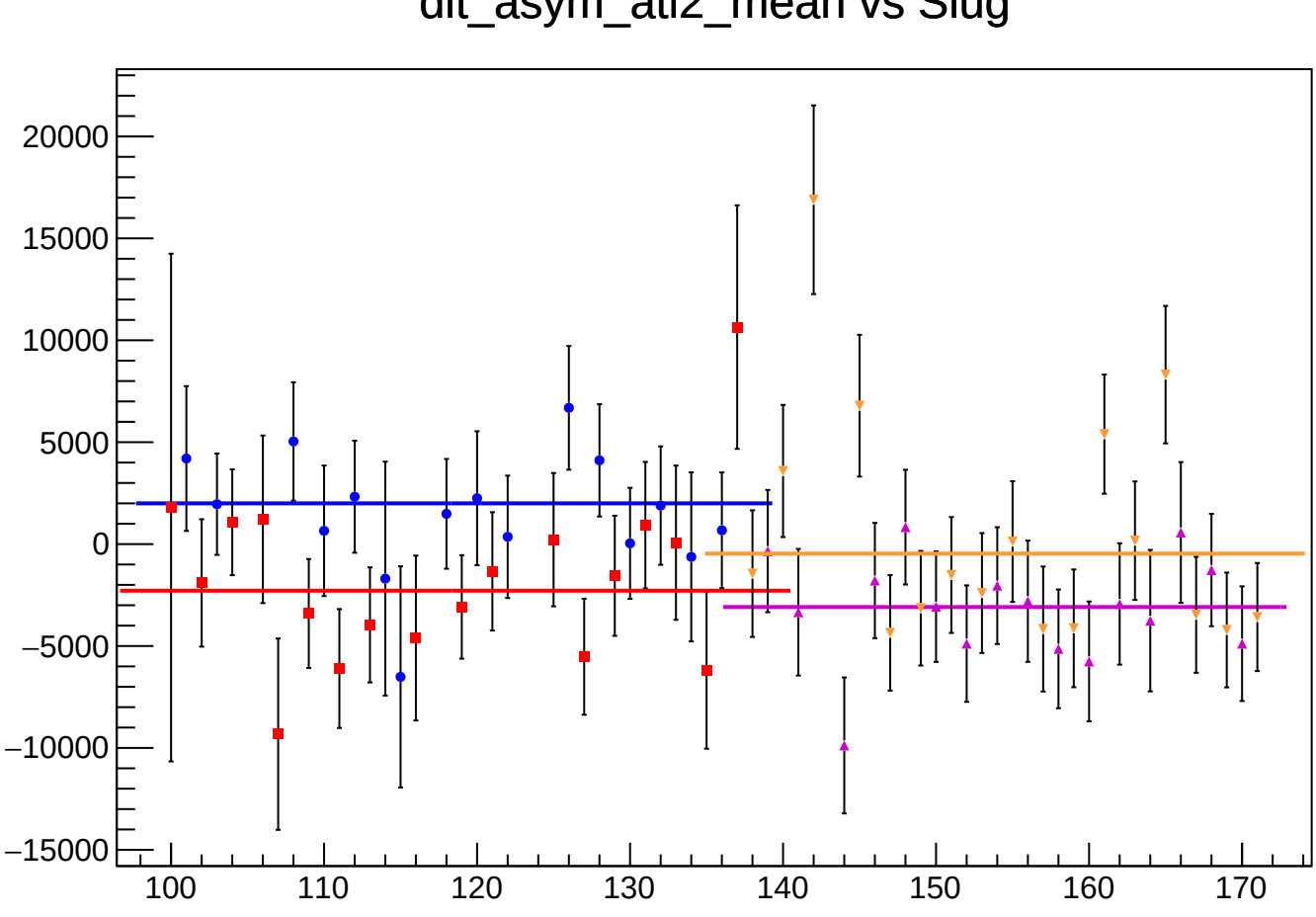
Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

+ sign 1935.434+/-0.517 χ^2/NDF: 28467165.7/33

All: 1787.789+/-0.367 χ^2/NDF: 59760637.0/6

- sign 1637.384+/-0.522 χ^2/NDF: 31128741.8/34



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -466.848+/-730.417 χ^2/NDF:41.7/16

Right Out: -2285.899+/-771.299 χ^2/NDF: 16.7/17

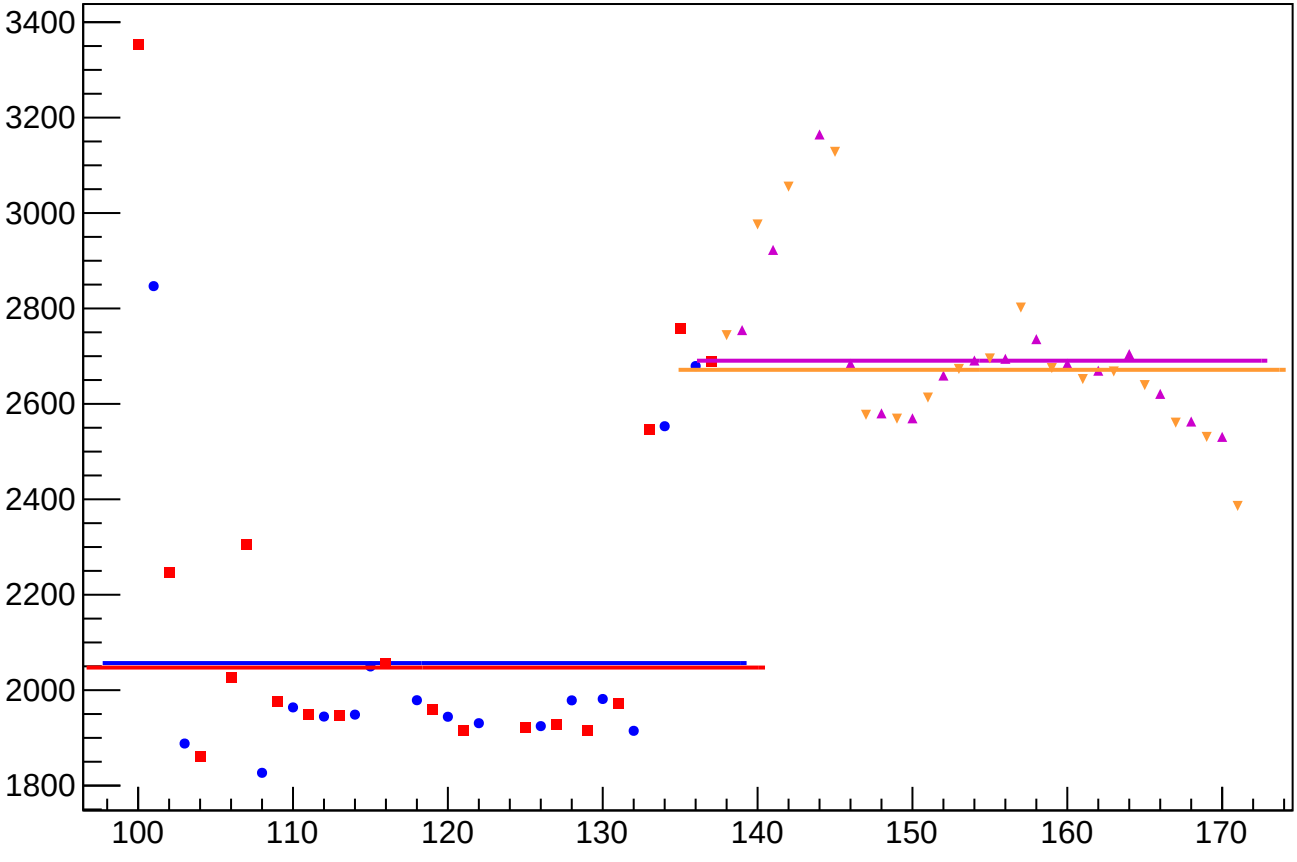
Left In: -3088.172+/-741.114 χ^2/NDF:11.0/15

+ sign 695.535+/-531.073 χ^2/NDF: 56.0/32

All: -993.143+/-376.696 χ^2/NDF: 104.6/66

- sign -2703.041+/-534.399 χ^2/NDF: 28.2/33

dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2671.413+/-0.516 χ^2/NDF:107948.6/16

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

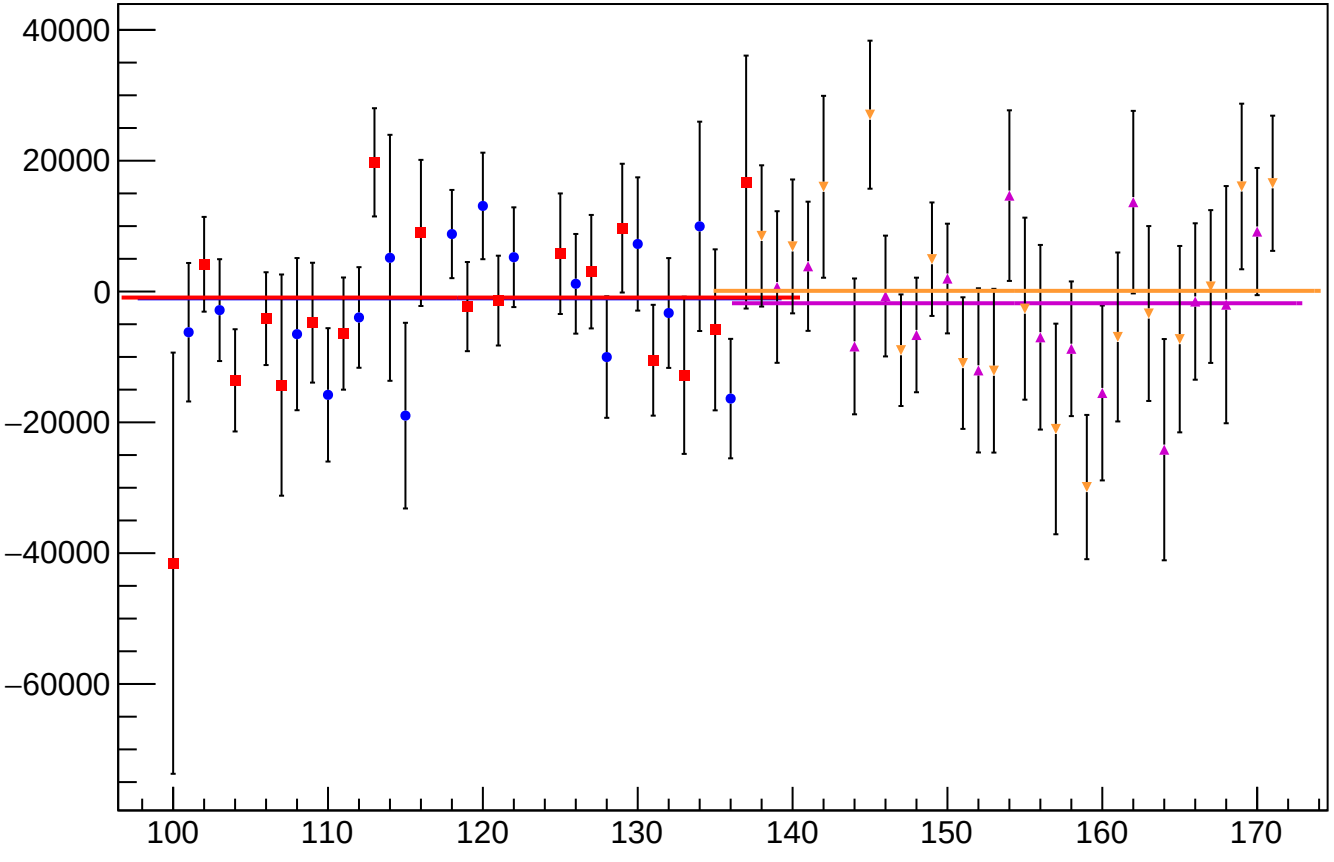
Left In: 2690.520+/-0.524 χ^2/NDF:71936.9/15

+ sign 2381.712+/-0.376 χ^2/NDF: 1045891.4/32

All: 2381.510+/-0.266 χ^2/NDF: 2038473.6/66

- sign 2381.305+/-0.378 χ^2/NDF: 992581.5/33

asym_atl2_dit_correction_mean vs Slug



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 105.135+/-2761.938 χ^2/NDF:25.5/16

Right Out: -919.663+/-2150.895 χ^2/NDF: 18.4/17

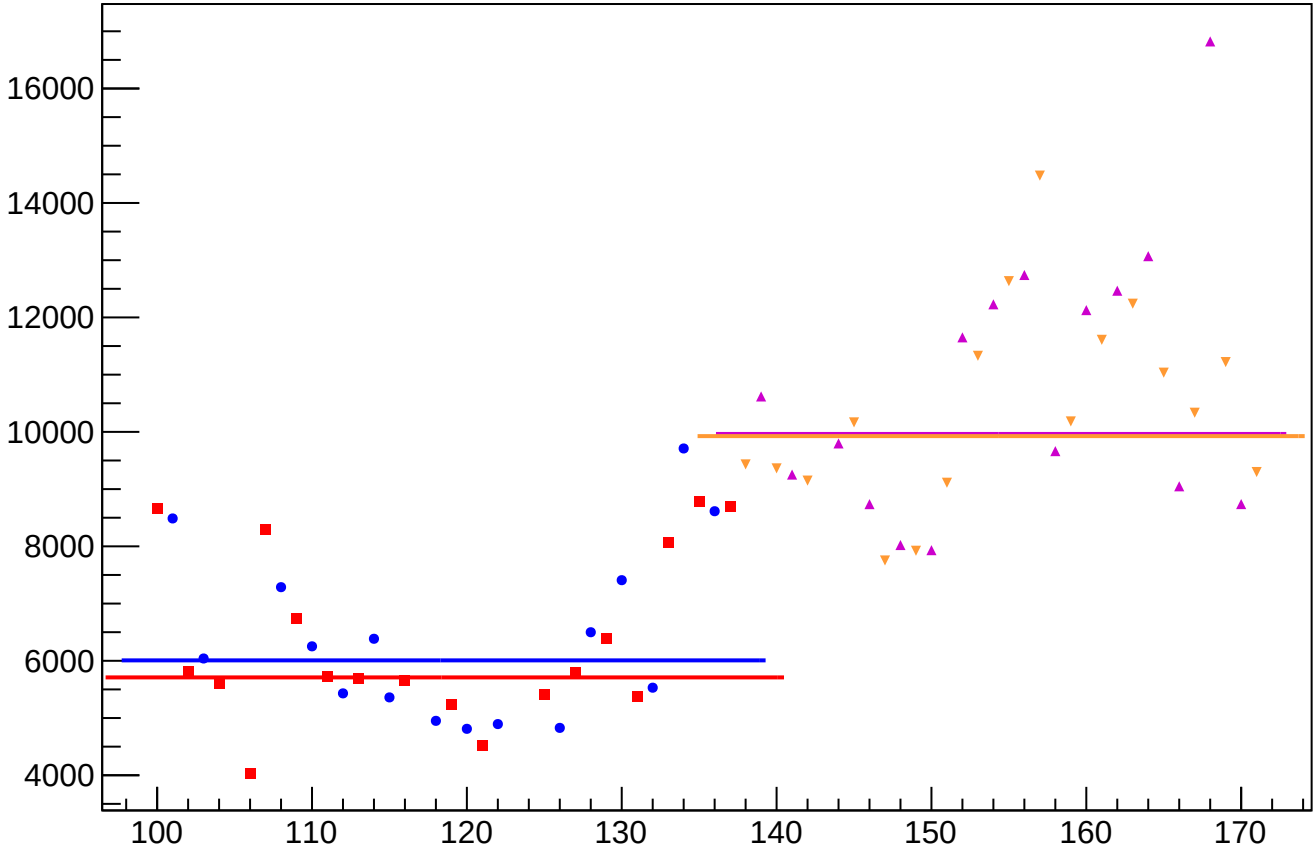
Left In: -1790.455+/-2800.796 χ^2/NDF:9.5/15

+ sign -573.859+/-1764.966 χ^2/NDF: 41.0/32

All: -919.660+/-1226.603 χ^2/NDF: 68.9/66

- sign -1242.704+/-1705.899 χ^2/NDF: 27.9/33

asym_atl2_dit_correction_rms vs Slug



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9925.937+/-1.953 χ^2/NDF:665482.8/16

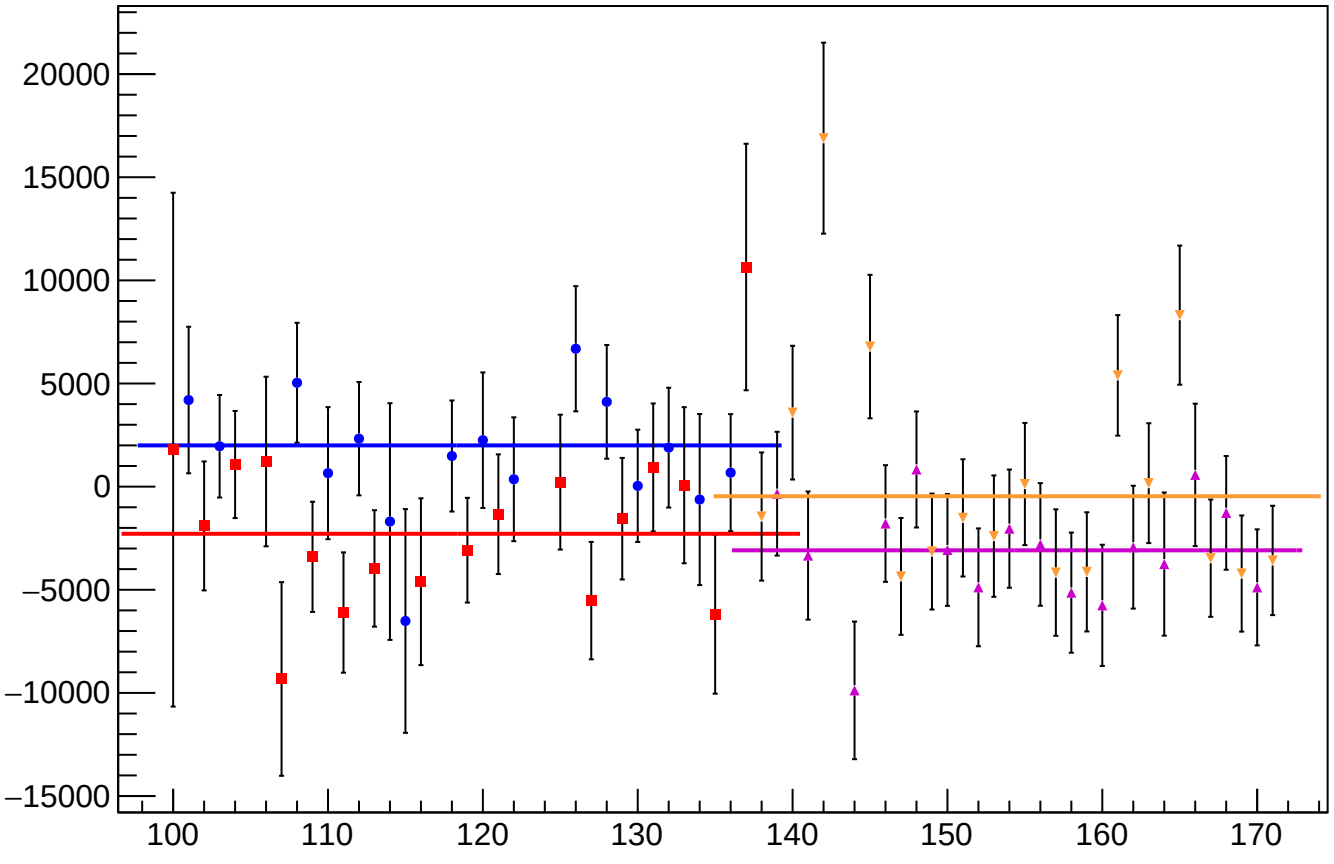
Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9963.734+/-1.980 χ^2/NDF:957510.6/15

+ sign 7607.595+/-1.248 χ^2/NDF: 3701255.0/32

All: 7442.342+/-0.867 χ^2/NDF: 8130594.6/66

- sign 7287.965+/-1.206 χ^2/NDF: 4395427.4/33



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -466.856+/-730.417 χ^2/NDF:41.7/16

Right Out: -2285.903+/-771.299 χ^2/NDF: 16.7/17

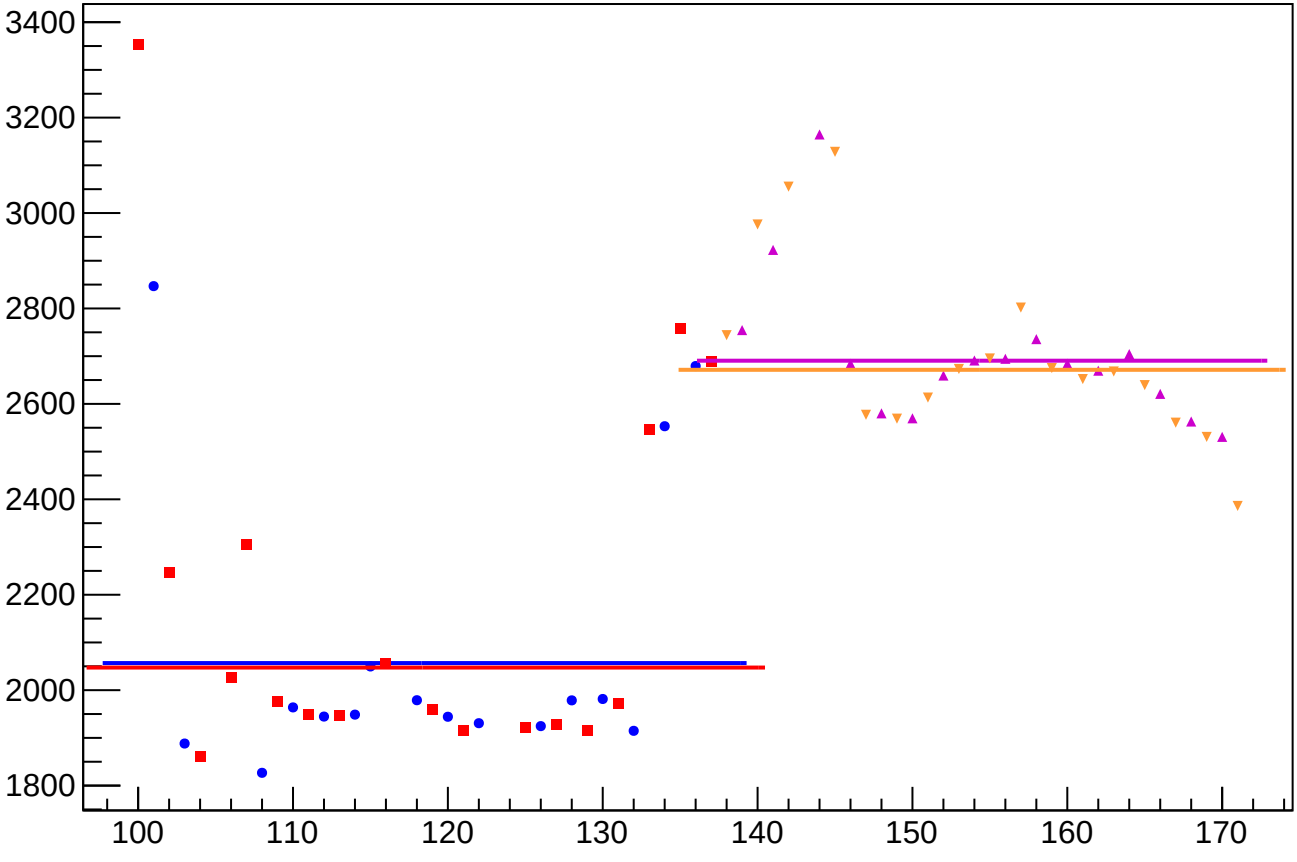
Left In: -3088.174+/-741.115 χ^2/NDF:11.0/15

+ sign 695.534+/-531.073 χ^2/NDF: 56.0/32

All: -993.144+/-376.696 χ^2/NDF: 104.6/66

- sign -2703.043+/-534.399 χ^2/NDF: 28.2/33

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2671.414+/-0.516 χ^2/NDF:107953.0/16

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

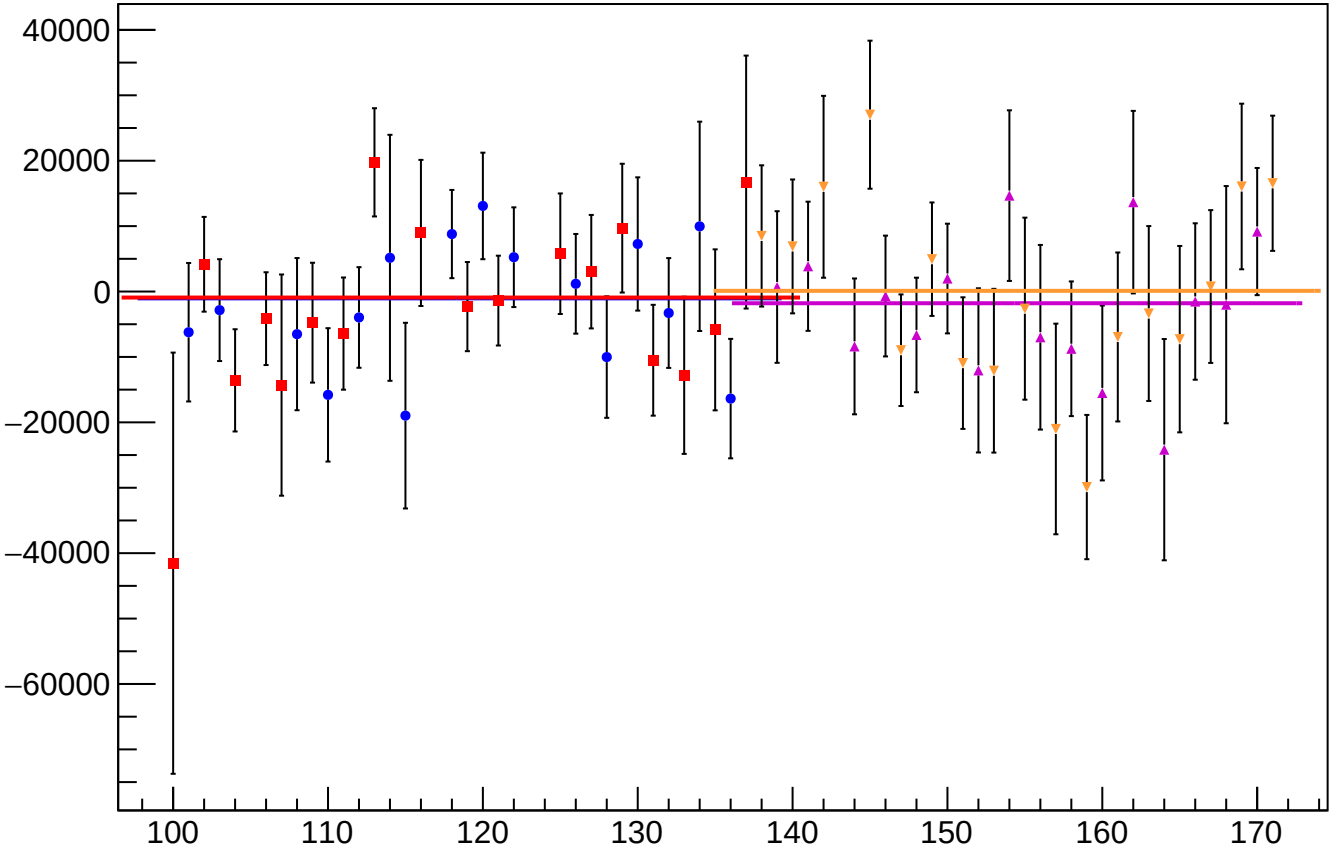
Left In: 2690.522+/-0.524 χ^2/NDF:71937.8/15

+ sign 2381.712+/-0.376 χ^2/NDF: 1045897.7/32

All: 2381.510+/-0.266 χ^2/NDF: 2038486.6/66

- sign 2381.306+/-0.378 χ^2/NDF: 992588.4/33

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 105.125+/-2761.942 χ^2/NDF:25.5/16

Right Out: -919.667+/-2150.889 χ^2/NDF: 18.4/17

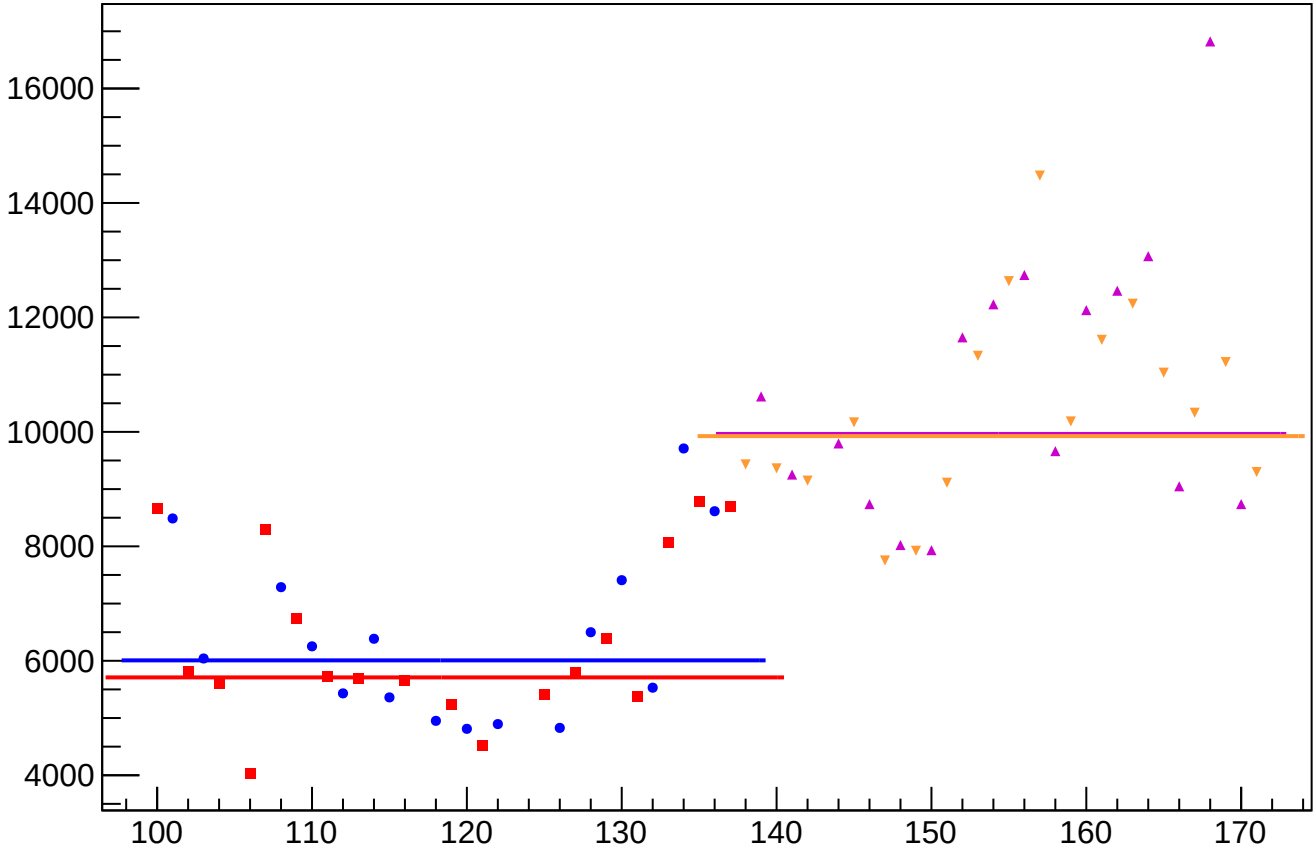
Left In: -1790.454+/-2800.799 χ^2/NDF:9.5/15

+ sign -573.858+/-1764.964 χ^2/NDF: 41.0/32

All: -919.661+/-1226.602 χ^2/NDF: 68.9/66

- sign -1242.705+/-1705.897 χ^2/NDF: 27.9/33

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9925.951+/-1.953 χ^2/NDF:665485.1/16

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

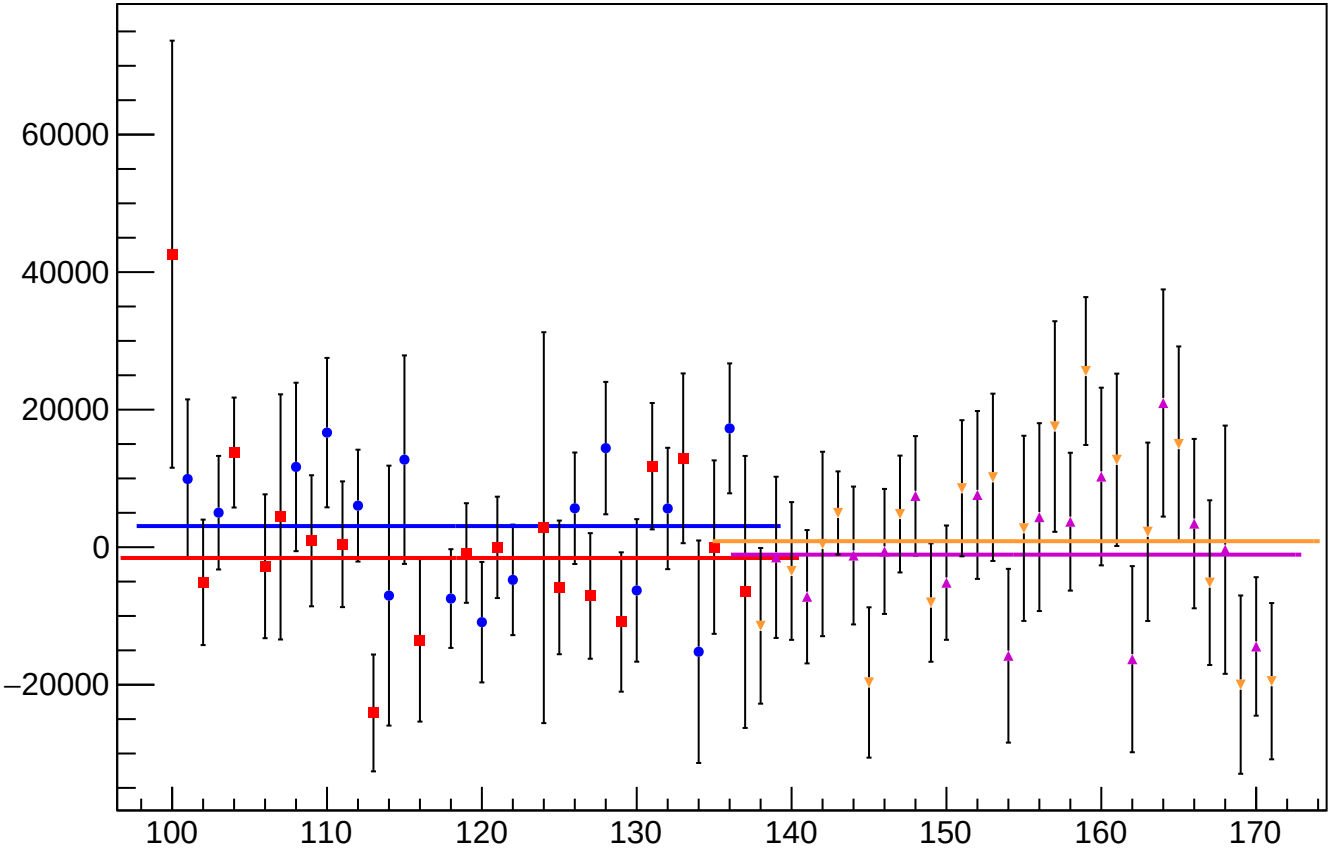
Left In: 9963.745+/-1.980 χ^2/NDF:957514.3/15

+ sign 7607.581+/-1.248 χ^2/NDF: 3701308.9/32

All: 7442.327+/-0.867 χ^2/NDF: 8130696.9/66

- sign 7287.950+/-1.206 χ^2/NDF: 4395475.7/33

asym_atl2_mean vs Slug



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 871.740+/-2501.831 χ^2/NDF:22.3/17

Right Out: -1567.088+/-2335.884 χ^2/NDF: 19.2/18

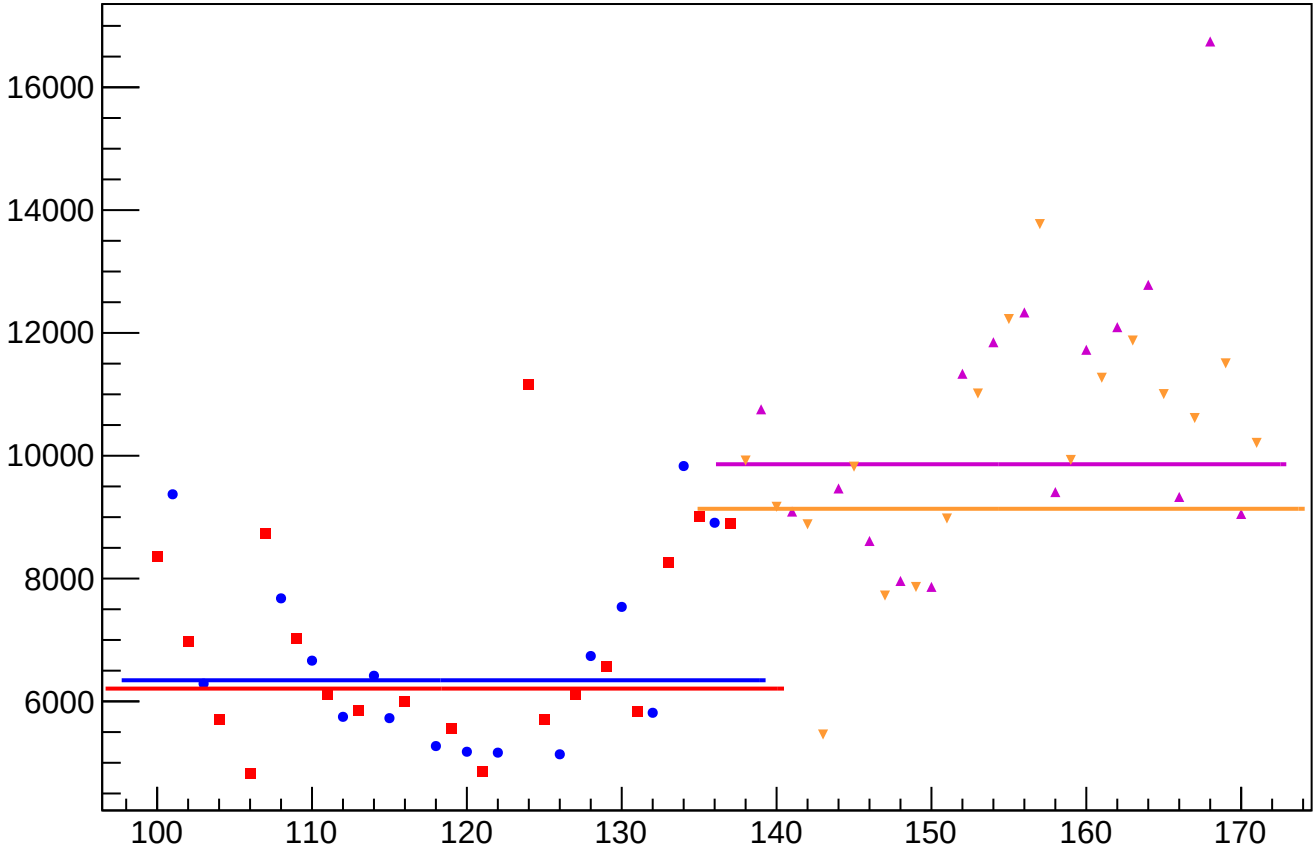
Left In: -1082.592+/-2766.859 χ^2/NDF:9.6/15

+ sign 2007.233+/-1739.676 χ^2/NDF: 37.5/33

All: 364.119+/-1245.807 χ^2/NDF: 68.2/68

- sign -1365.470+/-1784.868 χ^2/NDF: 28.8/34

asym_atl2_rms vs Slug



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9136.205+/-1.769 χ^2/NDF:1501696.5/17

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

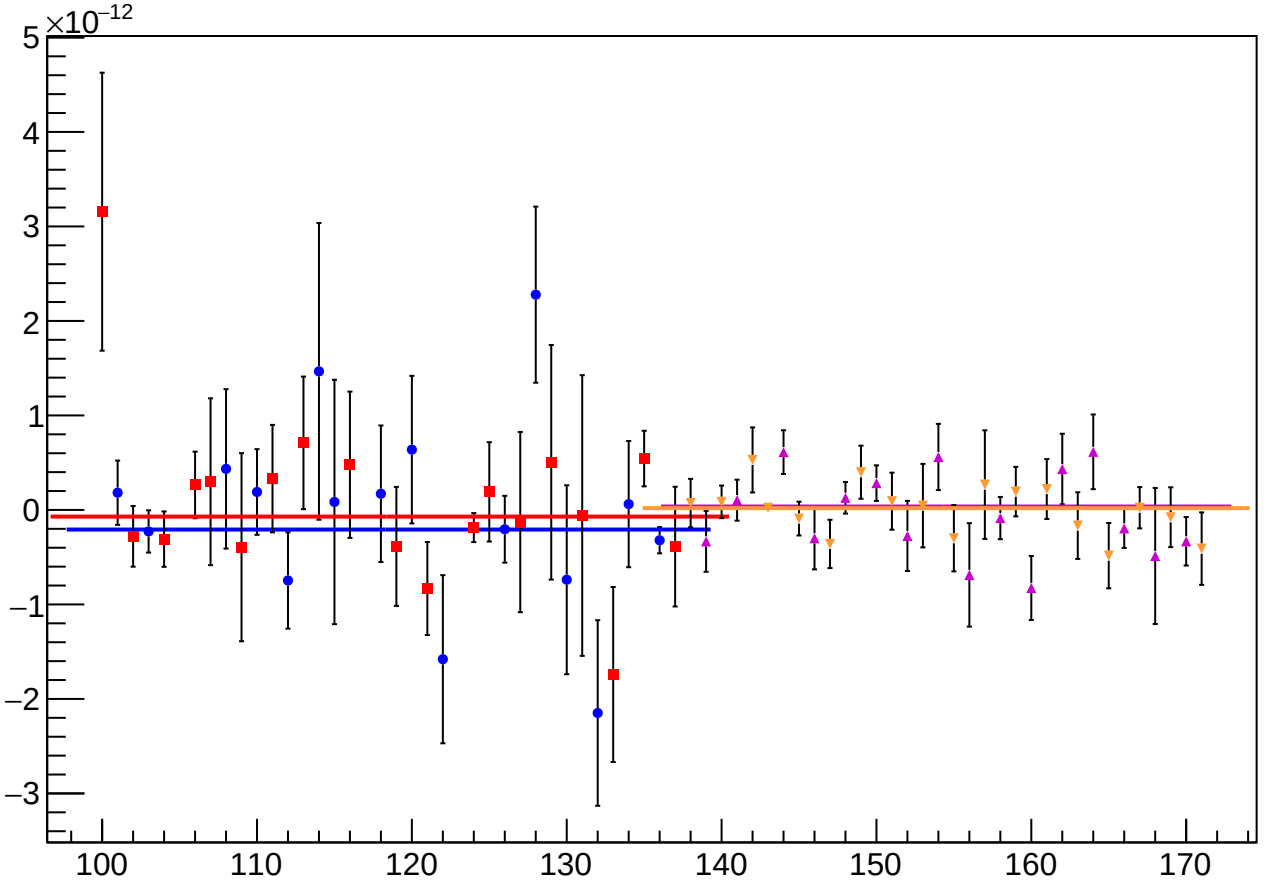
Left In: 9861.516+/-1.956 χ^2/NDF:890847.4/15

+ sign 7693.999+/-1.230 χ^2/NDF: 3409763.2/33

All: 7710.770+/-0.881 χ^2/NDF: 6808773.2/68

- sign 7728.422+/-1.262 χ^2/NDF: 3398628.5/34

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:12.5/17

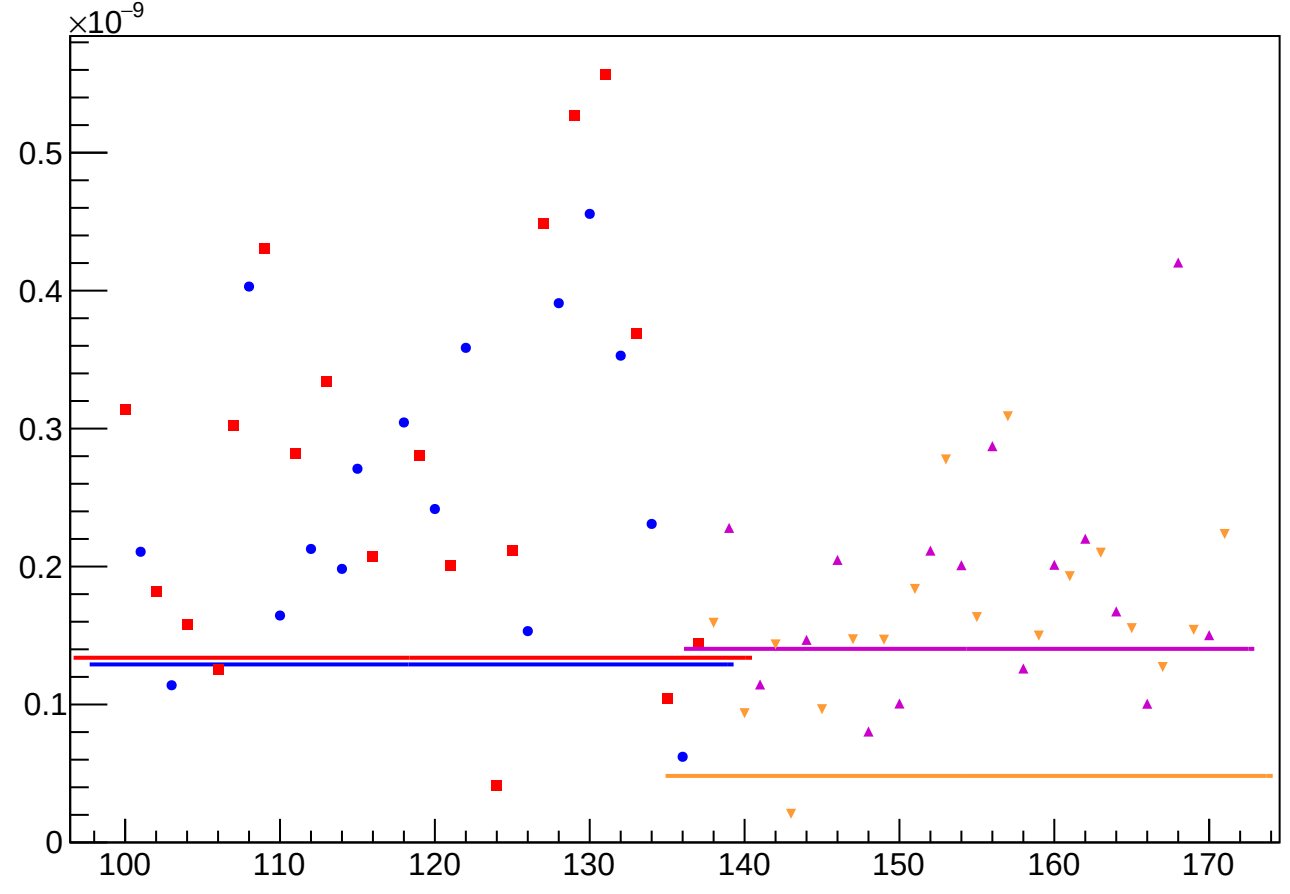
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: 0.000+/-0.000 χ^2/NDF:29.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/33

All: -0.000+/-0.000 χ^2/NDF: 89.4/68

- sign 0.000+/-0.000 χ^2/NDF: 50.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6358639.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

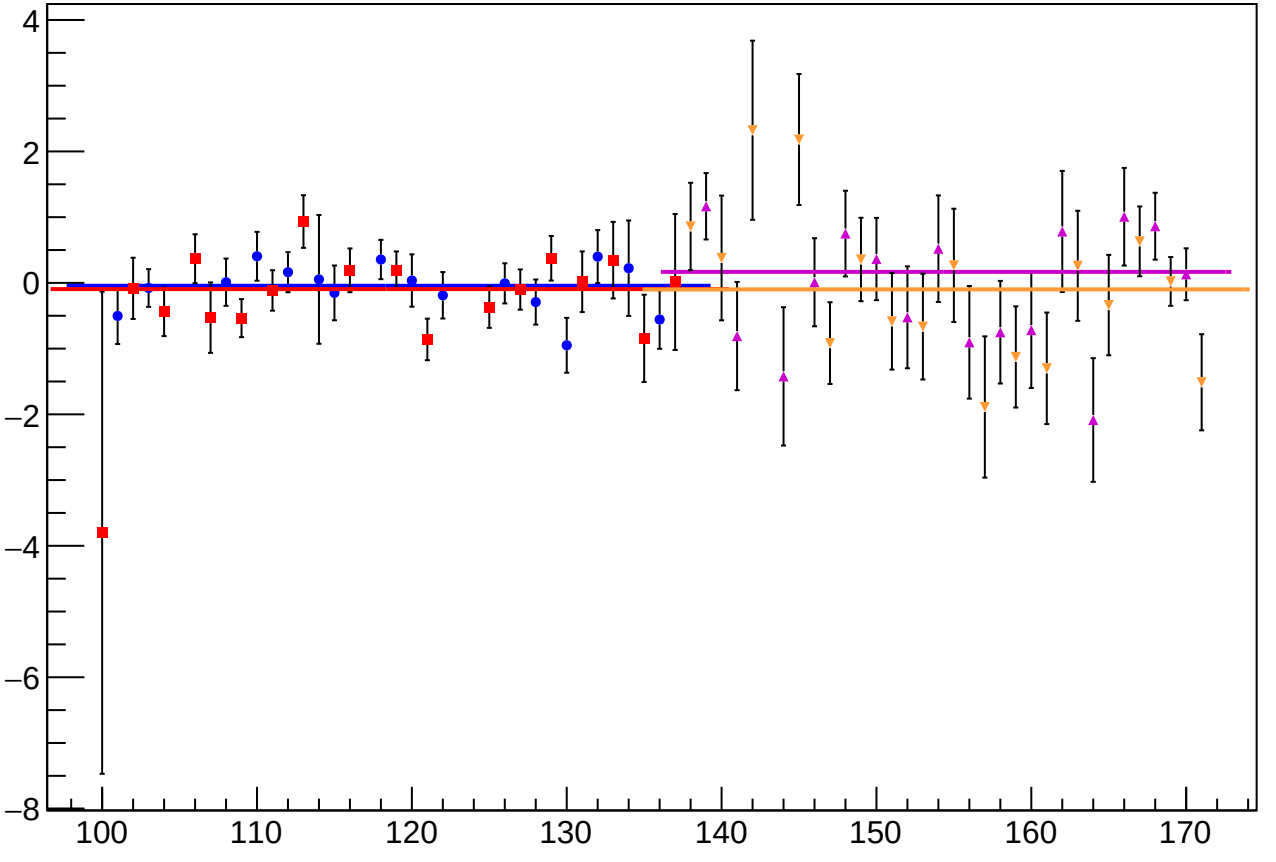
Left In: 0.000+/-0.000 χ^2/NDF:1431242.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 9376861.9/33

All: 0.000+/-0.000 χ^2/NDF: 16582831.1/68

- sign 0.000+/-0.000 χ^2/NDF: 3741840.7/34

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.099+/-0.170 χ^2/NDF:26.7/16

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

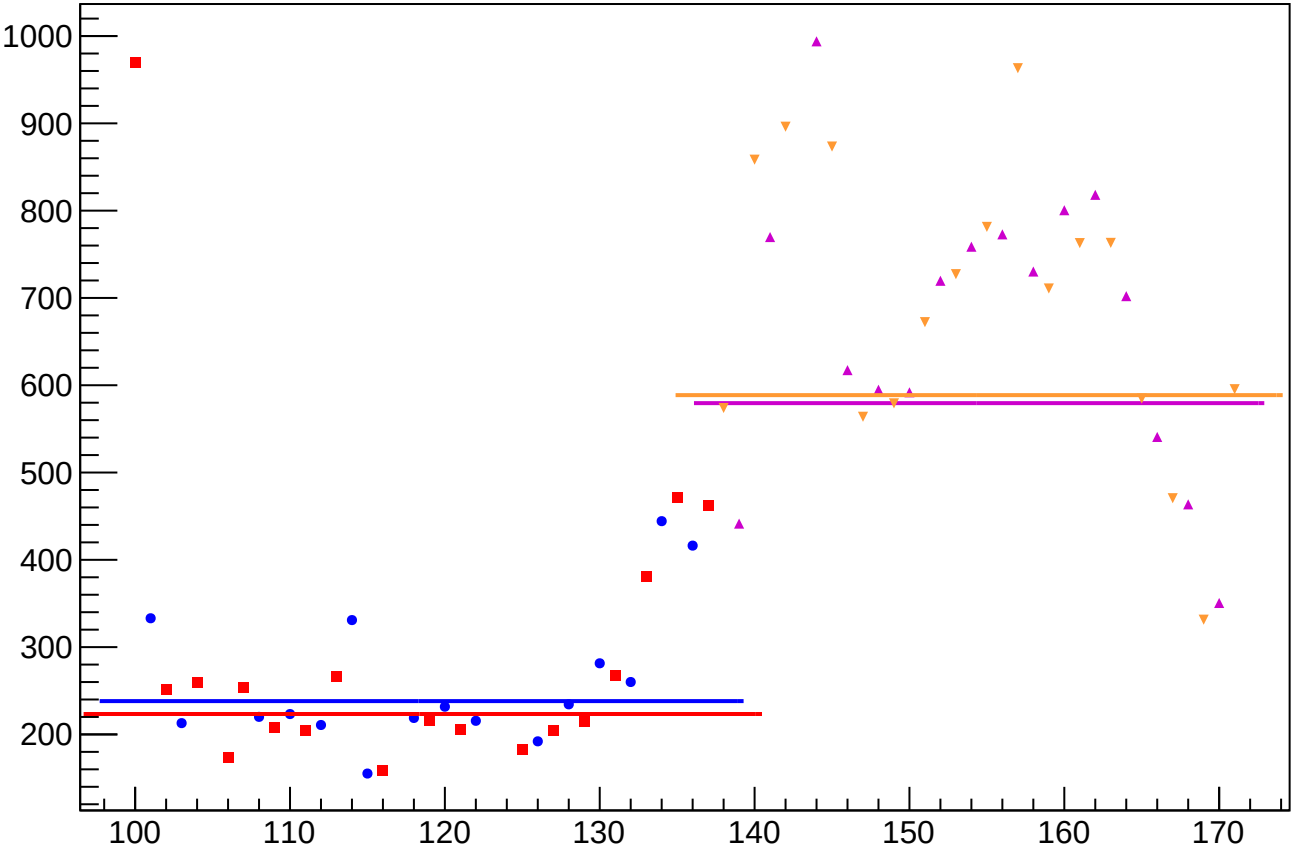
Left In: 0.167+/-0.168 χ^2/NDF:22.8/15

+ sign -0.057+/-0.082 χ^2/NDF: 39.8/32

All: -0.046+/-0.057 χ^2/NDF: 89.8/66

- sign -0.036+/-0.079 χ^2/NDF: 50.0/33

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.668+/-0.120 χ^2/NDF:2140936.0/16

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

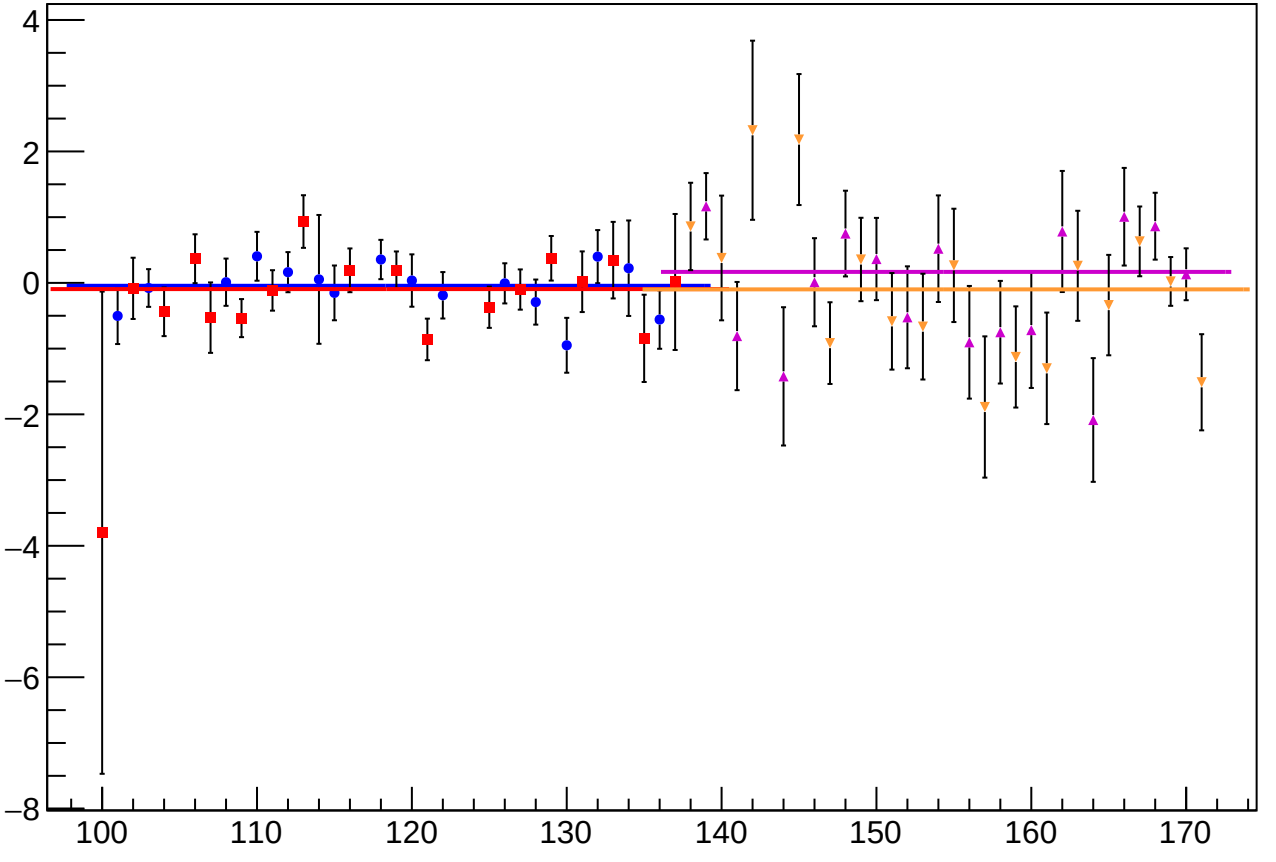
Left In: 579.495+/-0.119 χ^2/NDF:1990028.4/15

+ sign 319.780+/-0.058 χ^2/NDF: 9450898.0/32

All: 310.910+/-0.040 χ^2/NDF: 19310461.0/66

- sign 302.627+/-0.056 χ^2/NDF: 9814479.6/33

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.099+/-0.170 χ^2/NDF:26.7/16

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

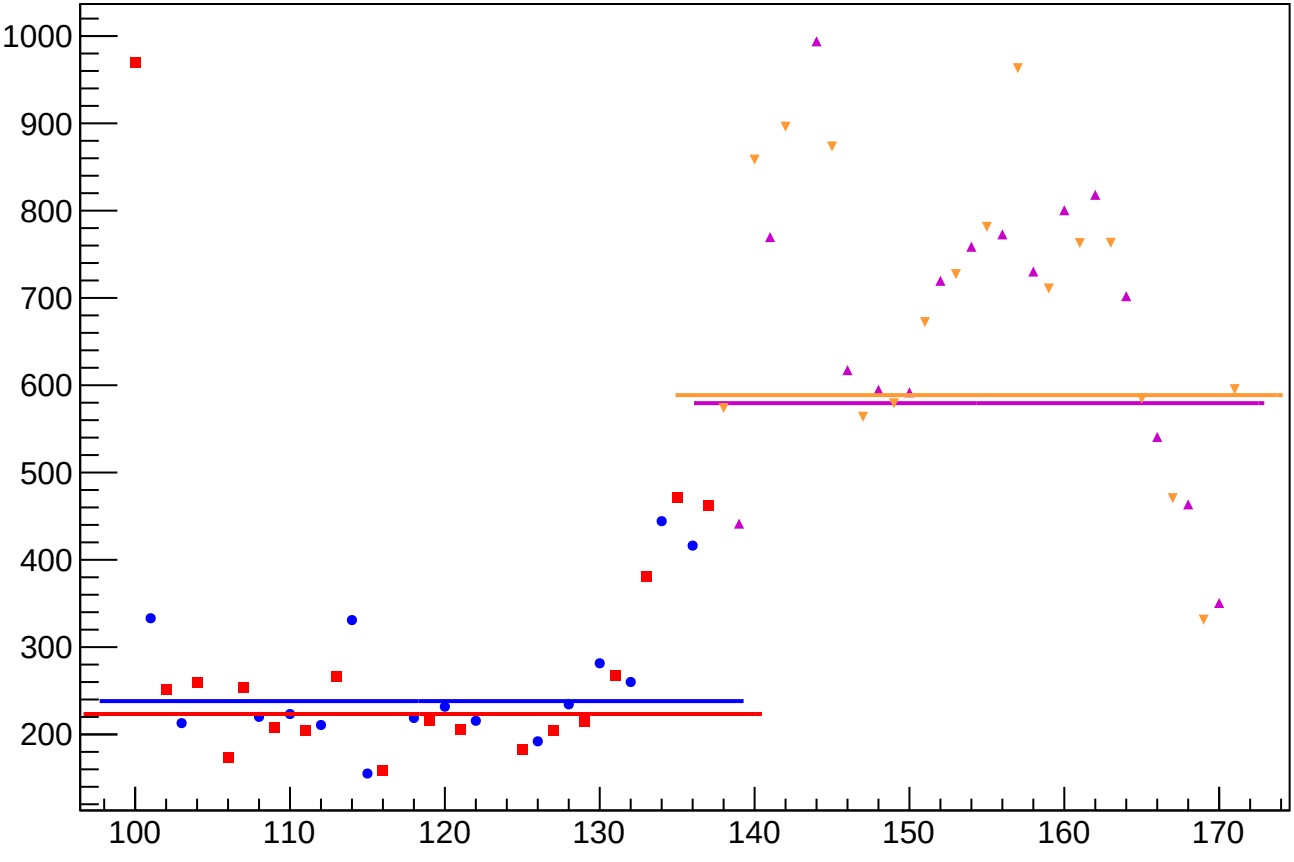
Left In: 0.167+/-0.168 χ^2/NDF:22.8/15

+ sign -0.057+/-0.082 χ^2/NDF: 39.8/32

All: -0.046+/-0.057 χ^2/NDF: 89.8/66

- sign -0.036+/-0.079 χ^2/NDF: 50.0/33

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.668+/-0.120 χ^2/NDF:2140936.0/16

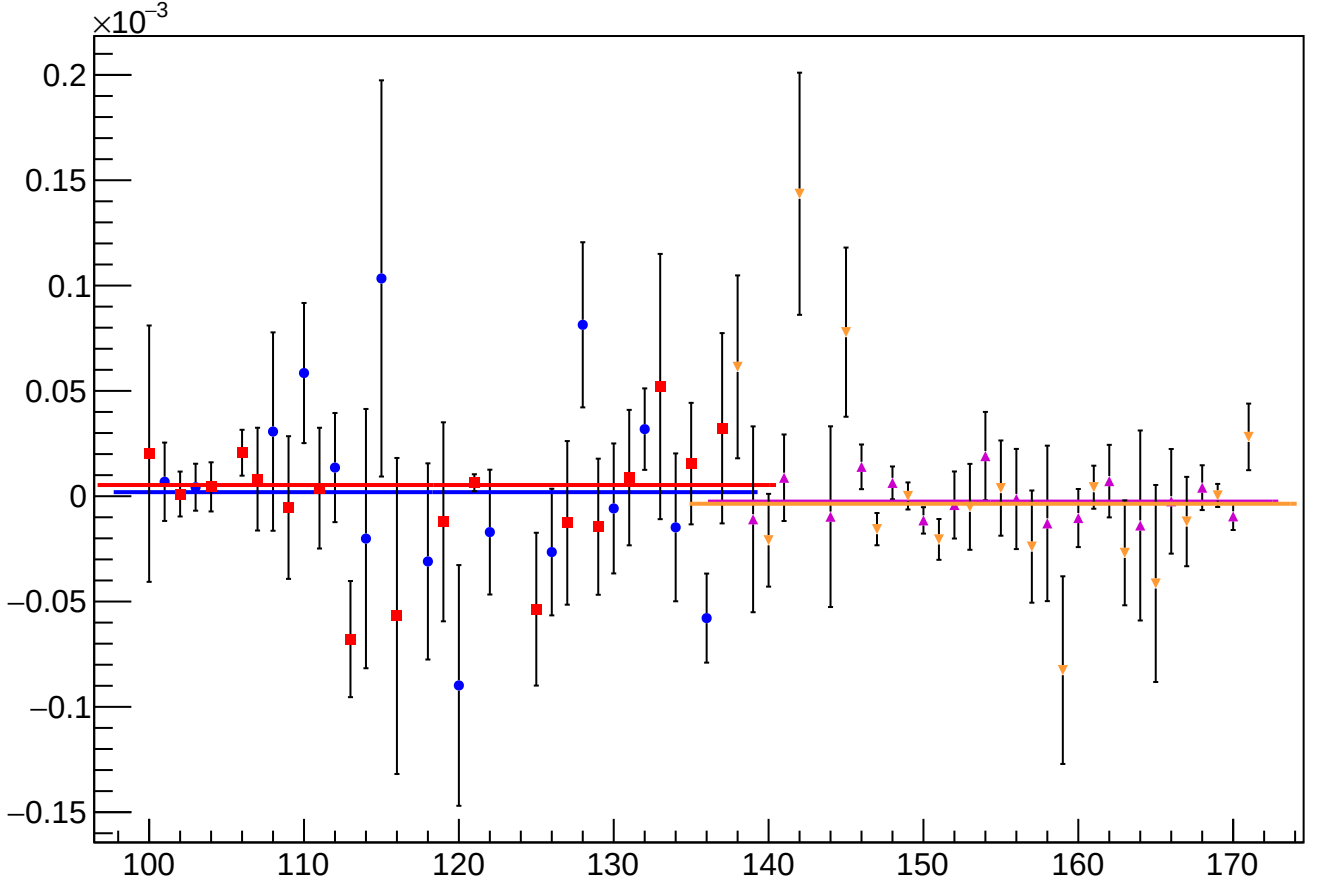
Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 579.495+/-0.119 χ^2/NDF:1990028.4/15

+ sign 319.780+/-0.058 χ^2/NDF: 9450898.0/32

All: 310.910+/-0.040 χ^2/NDF: 19310461.0/66

- sign 302.627+/-0.056 χ^2/NDF: 9814479.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/16

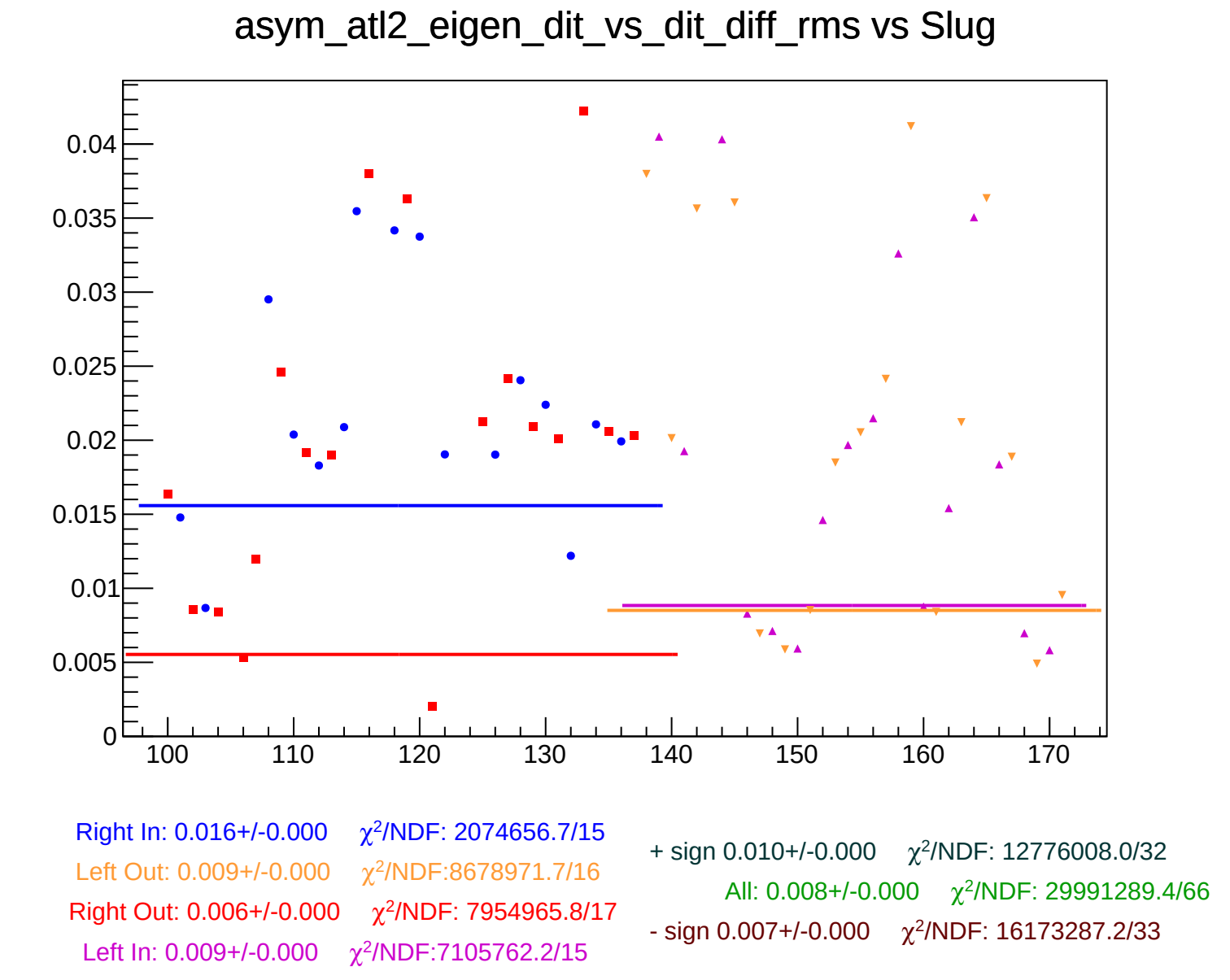
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left In: -0.000+/-0.000 χ^2/NDF:9.5/15

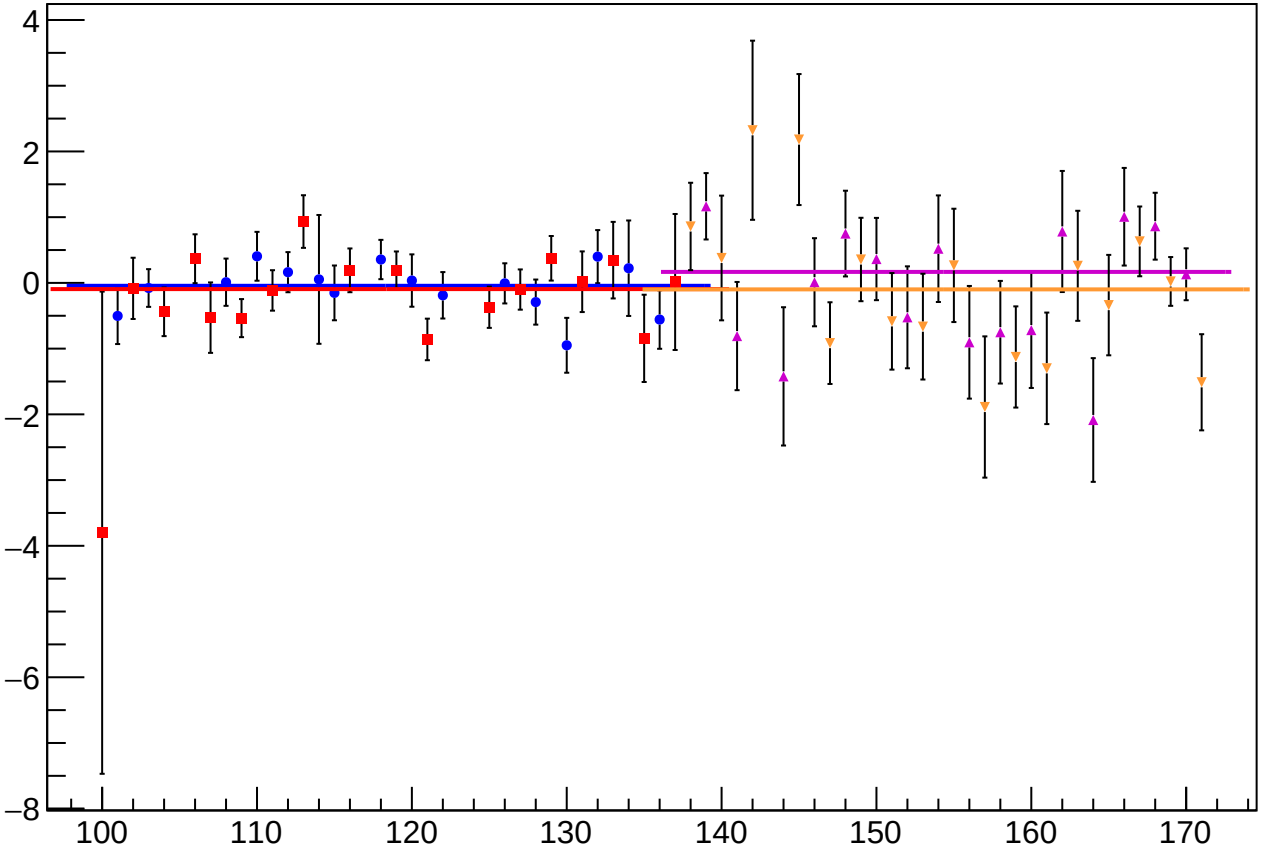
+ sign -0.000+/-0.000 χ^2/NDF: 54.7/32

All: -0.000+/-0.000 χ^2/NDF: 83.1/66

- sign 0.000+/-0.000 χ^2/NDF: 27.2/33


asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.000 χ²/NDF: 2074656.7/15
Left Out: 0.009+/-0.000 χ²/NDF:8678971.7/16
Right Out: 0.006+/-0.000 χ²/NDF: 7954965.8/17
Left In: 0.009+/-0.000 χ²/NDF:7105762.2/15
+ sign 0.010+/-0.000 χ²/NDF: 12776008.0/32
All: 0.008+/-0.000 χ²/NDF: 29991289.4/66
- sign 0.007+/-0.000 χ²/NDF: 16173287.2/33

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.099+/-0.170 χ^2/NDF:26.7/16

Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

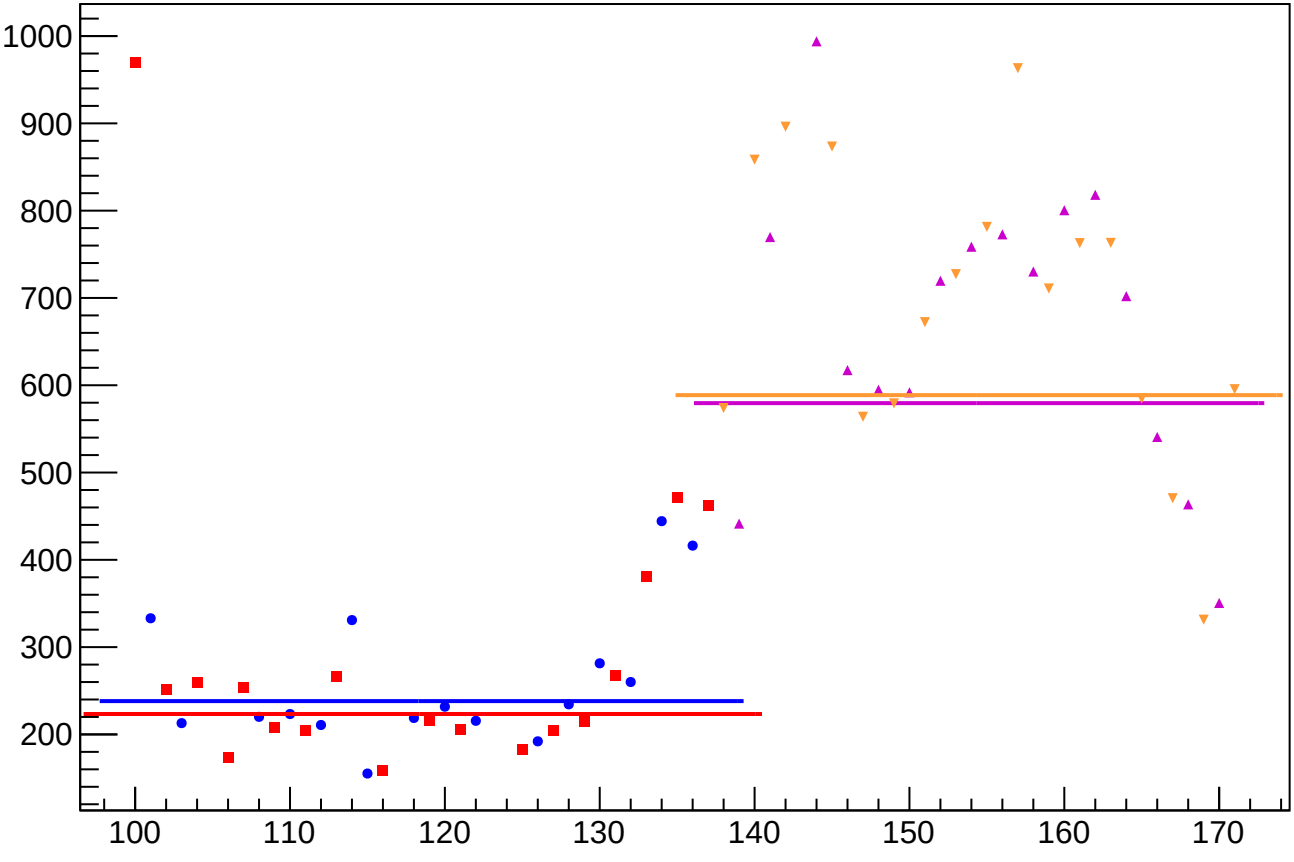
Left In: 0.167+/-0.168 χ^2/NDF:22.8/15

+ sign -0.057+/-0.082 χ^2/NDF: 39.8/32

All: -0.046+/-0.057 χ^2/NDF: 89.8/66

- sign -0.036+/-0.079 χ^2/NDF: 50.0/33

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 588.673+/-0.120 χ^2/NDF:2141021.5/16

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

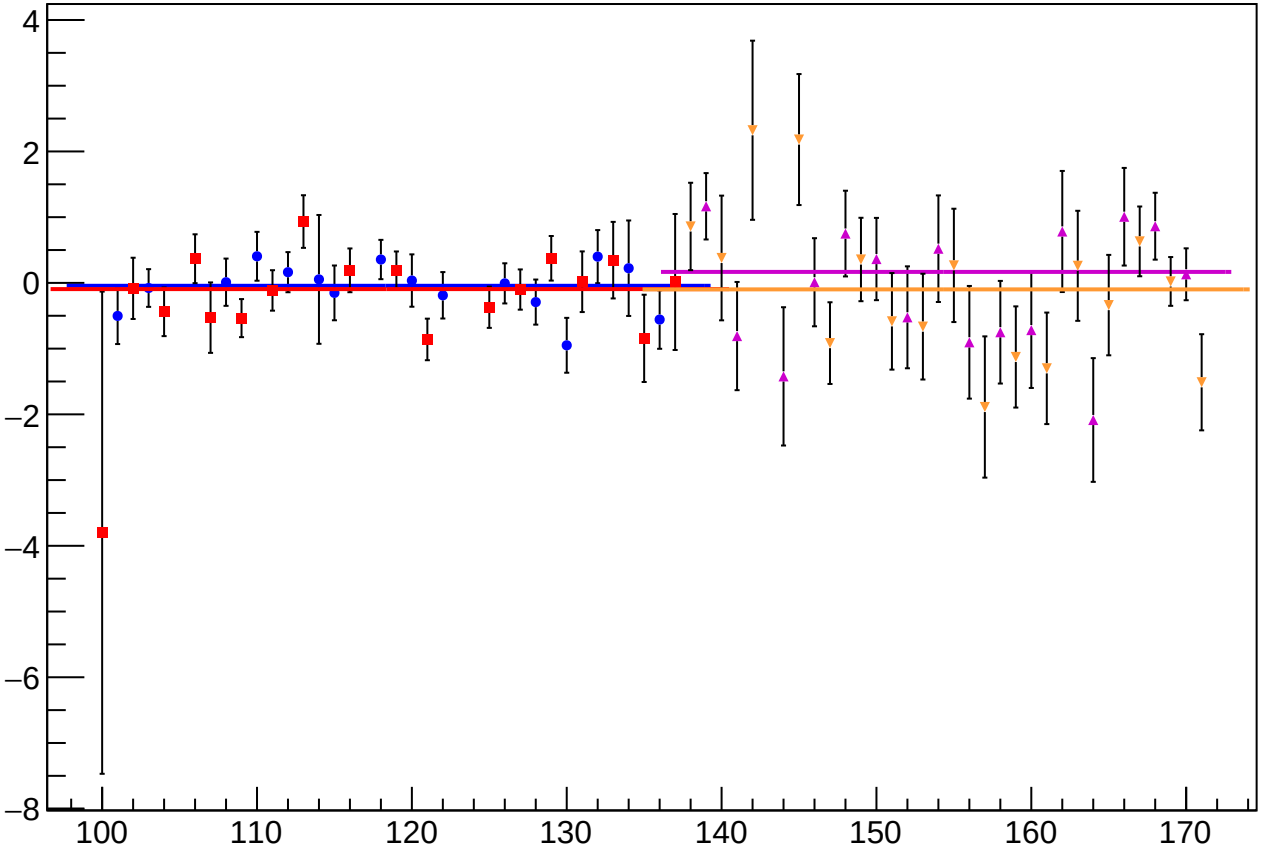
Left In: 579.503+/-0.119 χ^2/NDF:1990050.5/15

+ sign 319.781+/-0.058 χ^2/NDF: 9451002.0/32

All: 310.911+/-0.040 χ^2/NDF: 19310598.8/66

- sign 302.629+/-0.056 χ^2/NDF: 9814518.5/33

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.099+/-0.170 χ^2/NDF:26.7/16

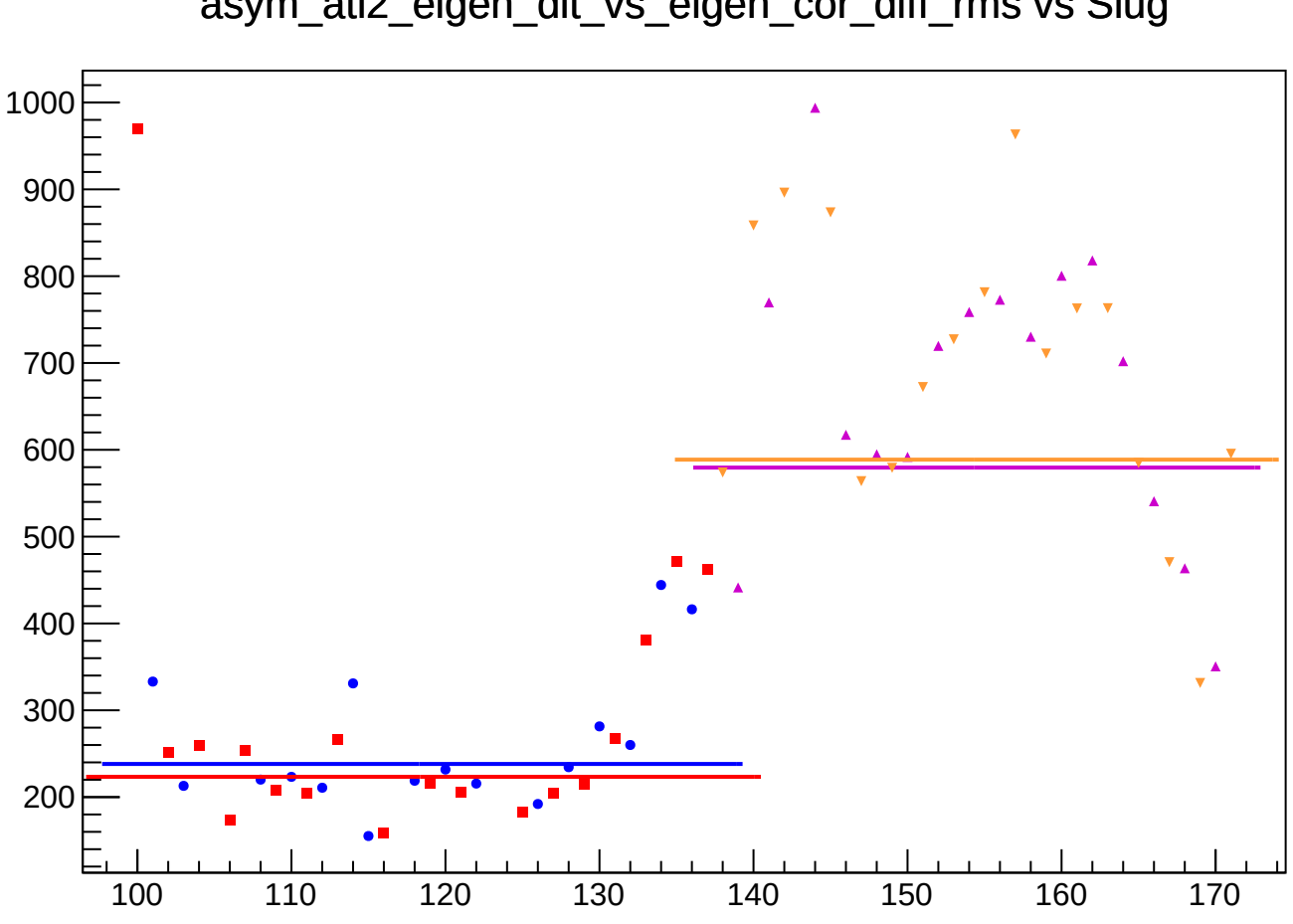
Right Out: -0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.167+/-0.168 χ^2/NDF:22.8/15

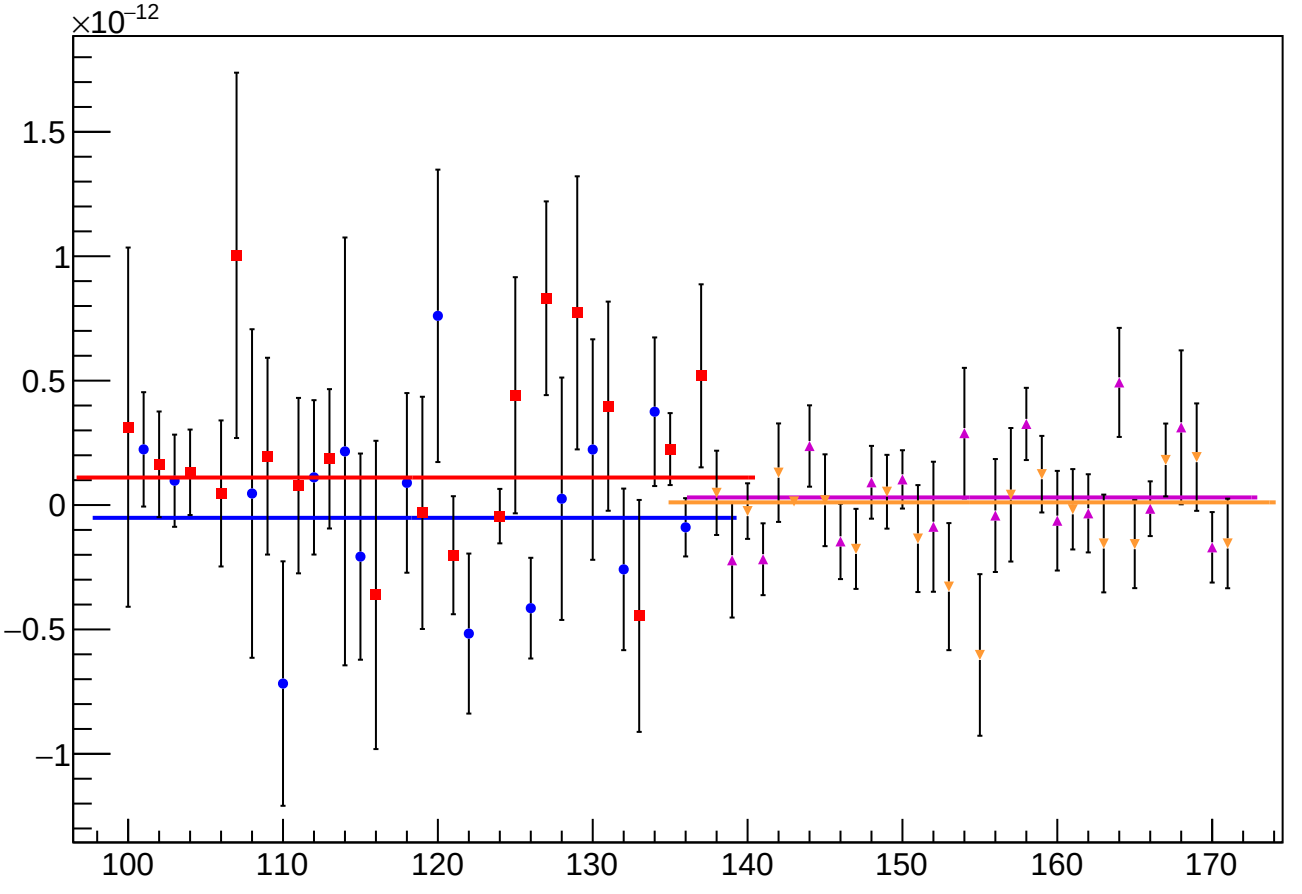
+ sign -0.057+/-0.082 χ^2/NDF: 39.8/32

All: -0.046+/-0.057 χ^2/NDF: 89.8/66

- sign -0.036+/-0.079 χ^2/NDF: 50.0/33


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 588.673+/-0.120 χ²/NDF:2141021.5/16
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 579.503+/-0.119 χ²/NDF:1990050.5/15
+ sign 319.781+/-0.058 χ²/NDF: 9451002.0/32
All: 310.911+/-0.040 χ²/NDF: 19310598.8/66
- sign 302.629+/-0.056 χ²/NDF: 9814518.5/33

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:12.9/17

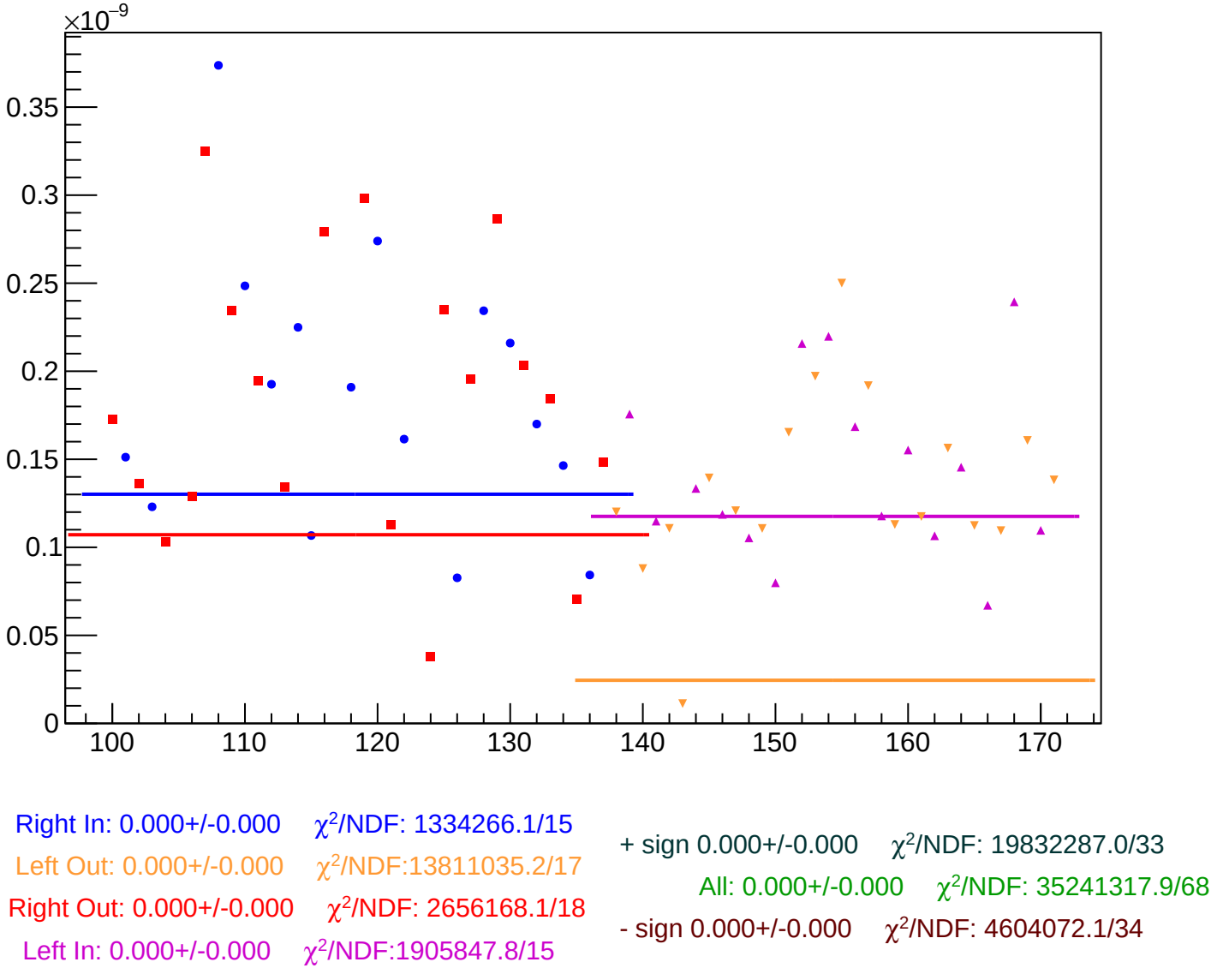
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.9/15

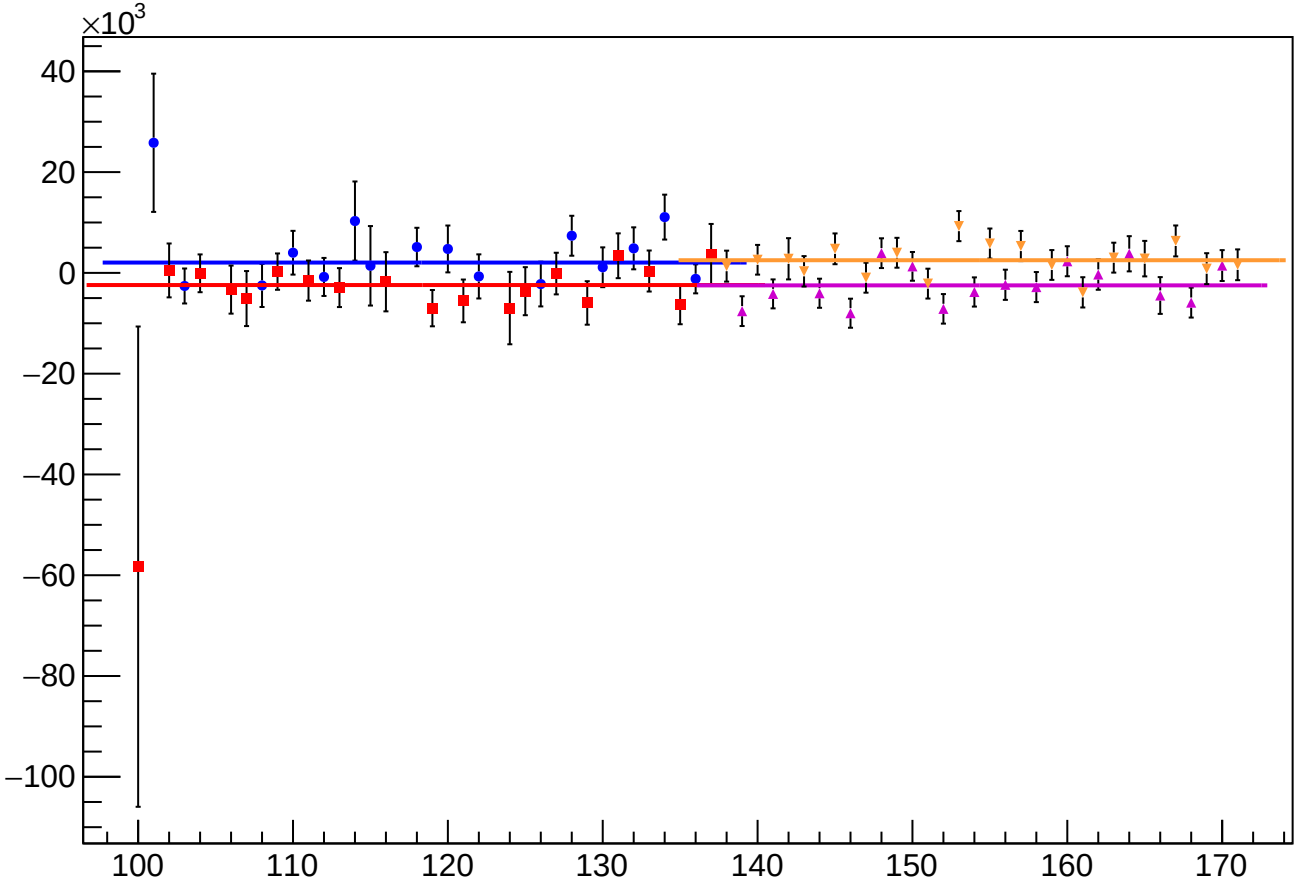
+ sign 0.000+/-0.000 χ^2/NDF: 28.5/33

All: 0.000+/-0.000 χ^2/NDF: 67.8/68

- sign 0.000+/-0.000 χ^2/NDF: 37.5/34


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1334266.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13811035.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2656168.1/18
Left In: 0.000+/-0.000 χ²/NDF:1905847.8/15
+ sign 0.000+/-0.000 χ²/NDF: 19832287.0/33
All: 0.000+/-0.000 χ²/NDF: 35241317.9/68
- sign 0.000+/-0.000 χ²/NDF: 4604072.1/34

reg_asym_atr1_mean vs Slug



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.731+/-722.926 χ^2/NDF:19.1/17

Right Out: -2411.858+/-1035.471 χ^2/NDF: 10.8/18

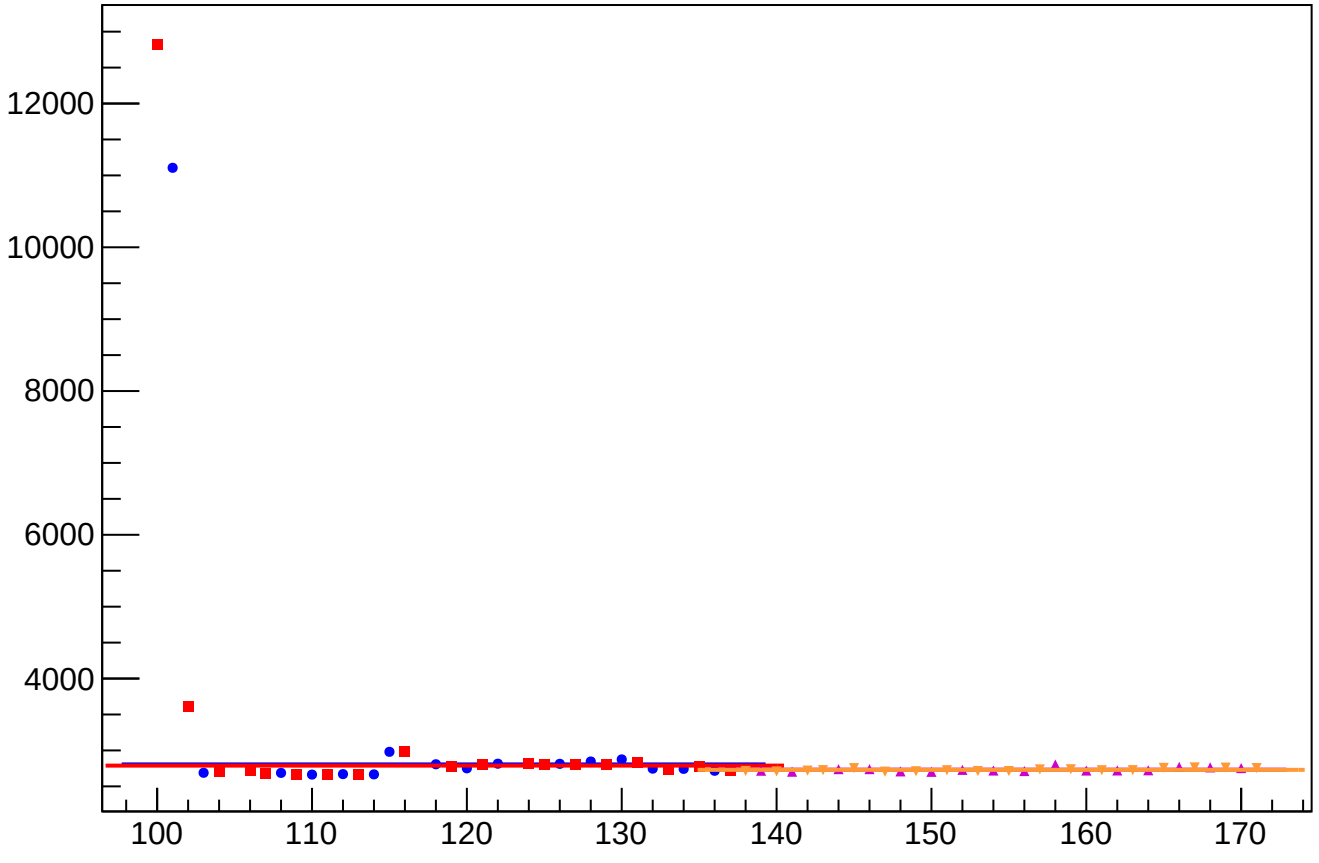
Left In: -2477.175+/-751.473 χ^2/NDF:26.1/15

+ sign 2366.934+/-599.090 χ^2/NDF: 37.1/33

All: -7.516+/-426.801 χ^2/NDF: 105.8/68

- sign -2454.642+/-608.189 χ^2/NDF: 36.8/34

reg_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

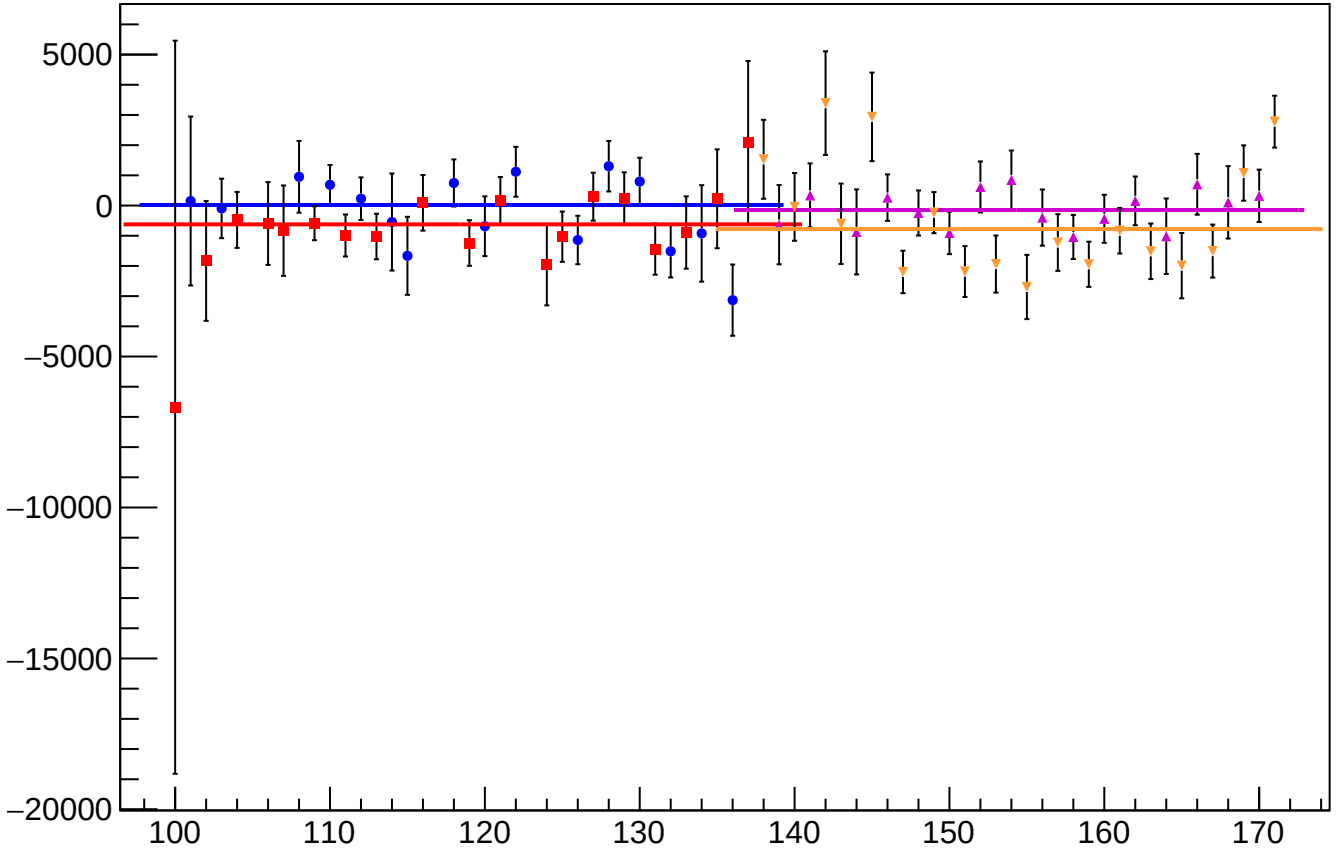
Left In: 2732.408+/-0.531 χ^2/NDF:2504.6/15

+ sign 2753.580+/-0.424 χ^2/NDF: 754460.7/33

All: 2752.738+/-0.302 χ^2/NDF: 907859.9/68

- sign 2751.870+/-0.430 χ^2/NDF: 153391.2/34

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -778.674+/-218.794 χ^2/NDF:54.6/17

Right Out: -623.107+/-215.948 χ^2/NDF: 9.3/18

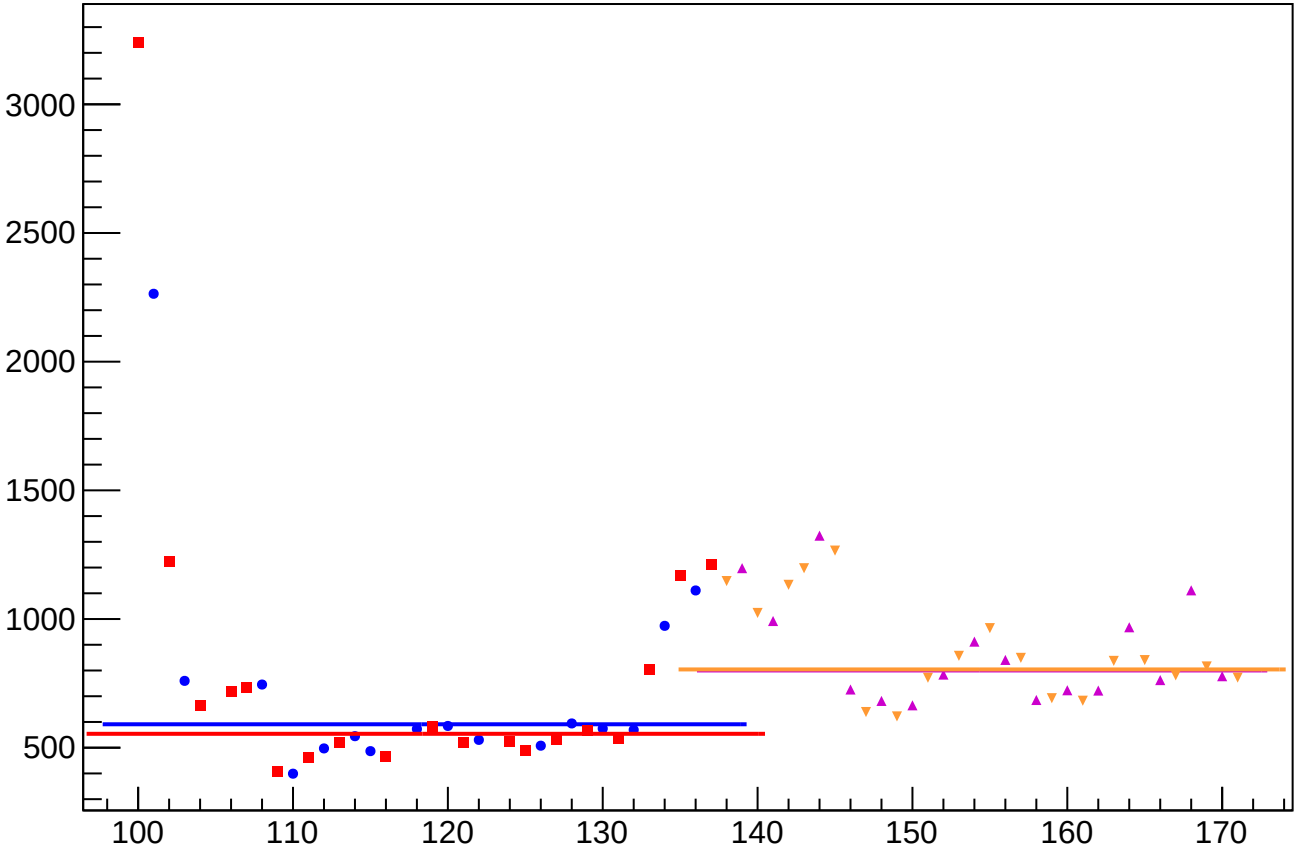
Left In: -146.733+/-225.133 χ^2/NDF:7.3/15

+ sign -405.725+/-159.651 χ^2/NDF: 83.6/33

All: -400.149+/-111.520 χ^2/NDF: 102.5/68

- sign -394.836+/-155.844 χ^2/NDF: 18.9/34

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 804.135+/-0.155 χ^2/NDF:1080480.4/17

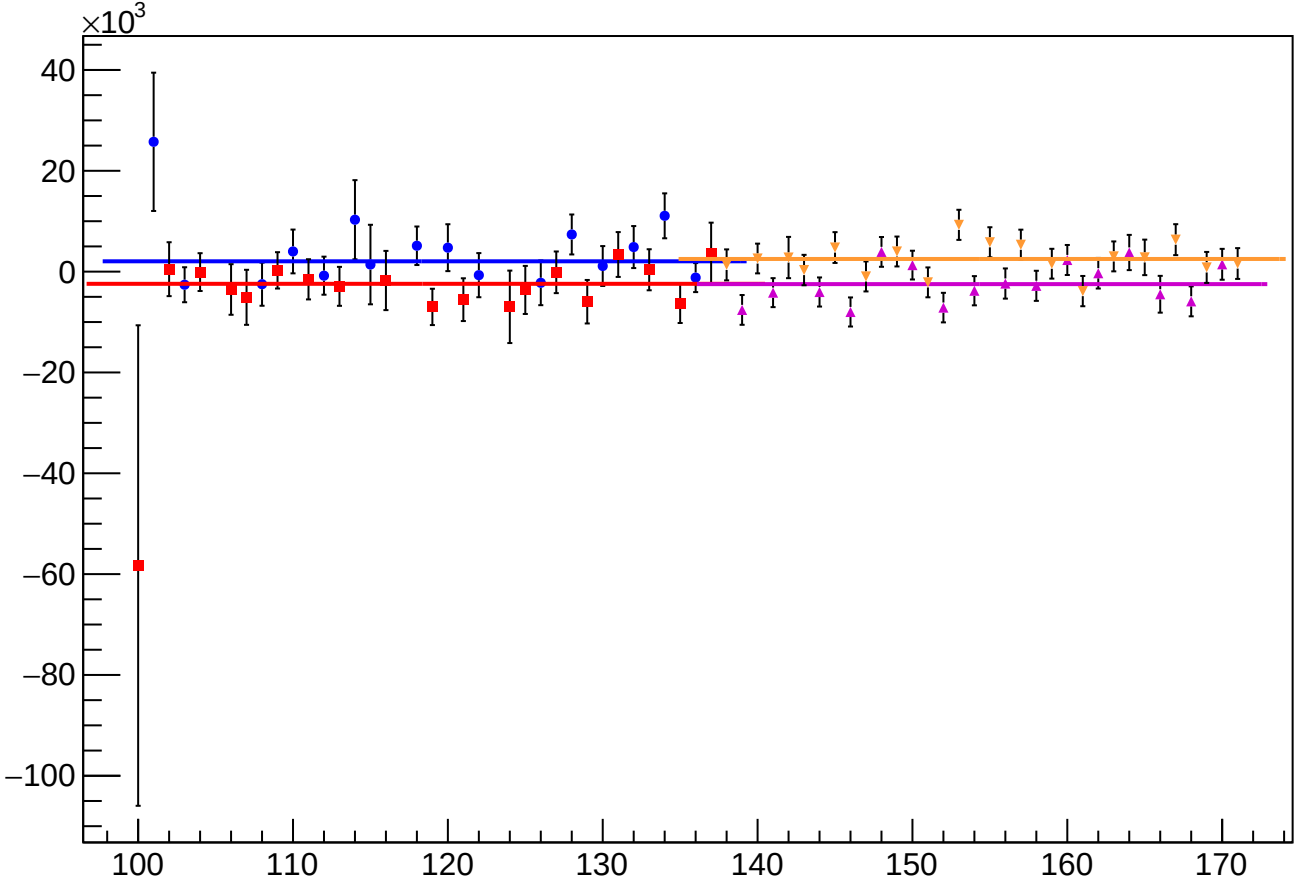
Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 800.113+/-0.159 χ^2/NDF:961519.1/15

+ sign 704.502+/-0.113 χ^2/NDF: 3535167.7/33

All: 687.820+/-0.079 χ^2/NDF: 6901242.1/68

- sign 671.924+/-0.110 χ^2/NDF: 3323432.0/34



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.725+/-722.926 χ^2/NDF:19.1/17

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

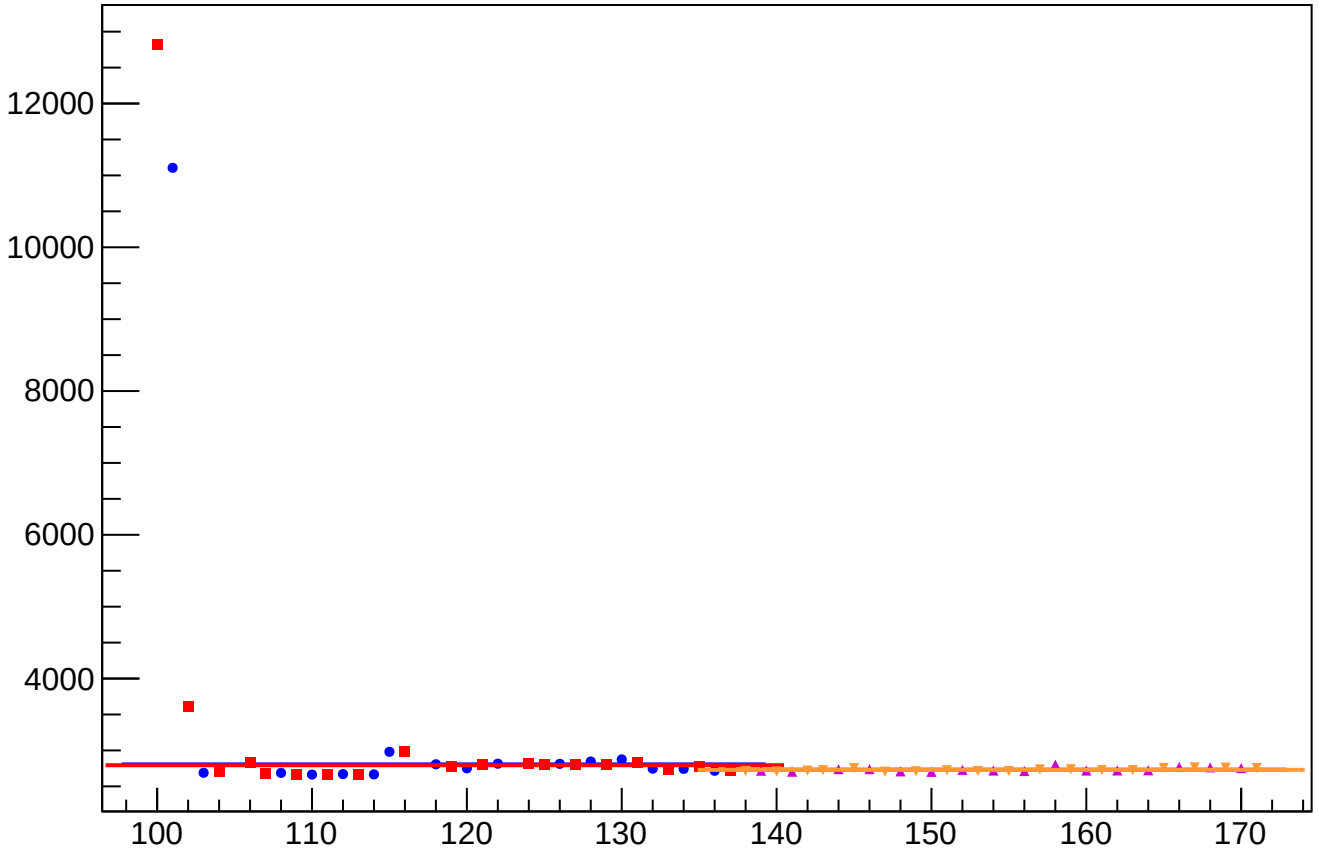
Left In: -2477.231+/-751.473 χ^2/NDF:26.1/15

+ sign 2366.677+/-599.090 χ^2/NDF: 37.0/33

All: -6.812+/-426.968 χ^2/NDF: 105.8/68

- sign -2456.828+/-608.671 χ^2/NDF: 36.8/34

cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

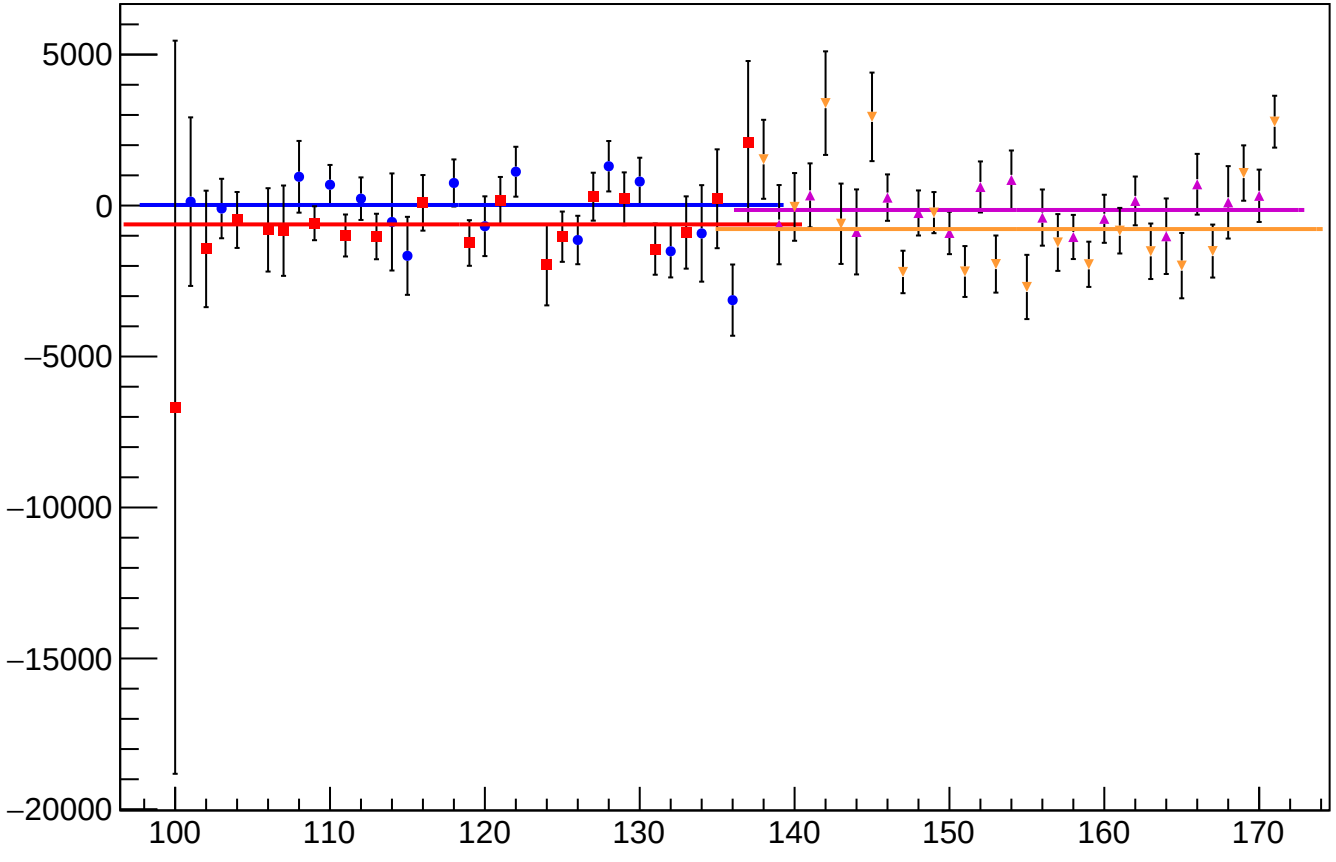
Left In: 2732.408+/-0.531 χ^2/NDF:2504.6/15

+ sign 2753.580+/-0.424 χ^2/NDF: 754459.8/33

All: 2753.613+/-0.302 χ^2/NDF: 908353.4/68

- sign 2753.647+/-0.430 χ^2/NDF: 153893.6/34

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -778.604+/-218.792 χ^2/NDF:54.6/17

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

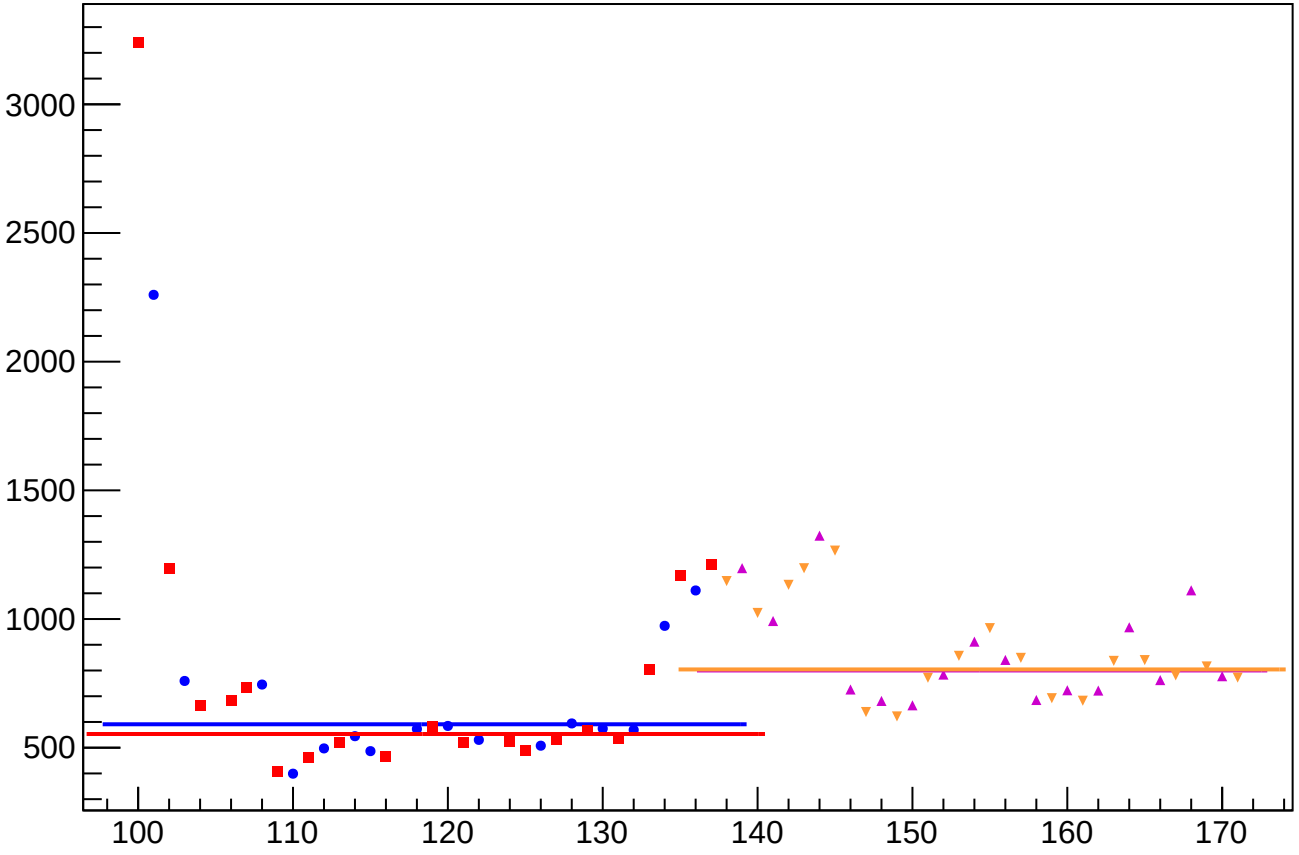
Left In: -146.790+/-225.132 χ^2/NDF:7.3/15

+ sign -405.690+/-159.647 χ^2/NDF: 83.6/33

All: -400.467+/-111.512 χ^2/NDF: 102.4/68

- sign -395.491+/-155.826 χ^2/NDF: 18.8/34

asym_atr1_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 804.128+/-0.155 χ^2/NDF:1080502.5/17

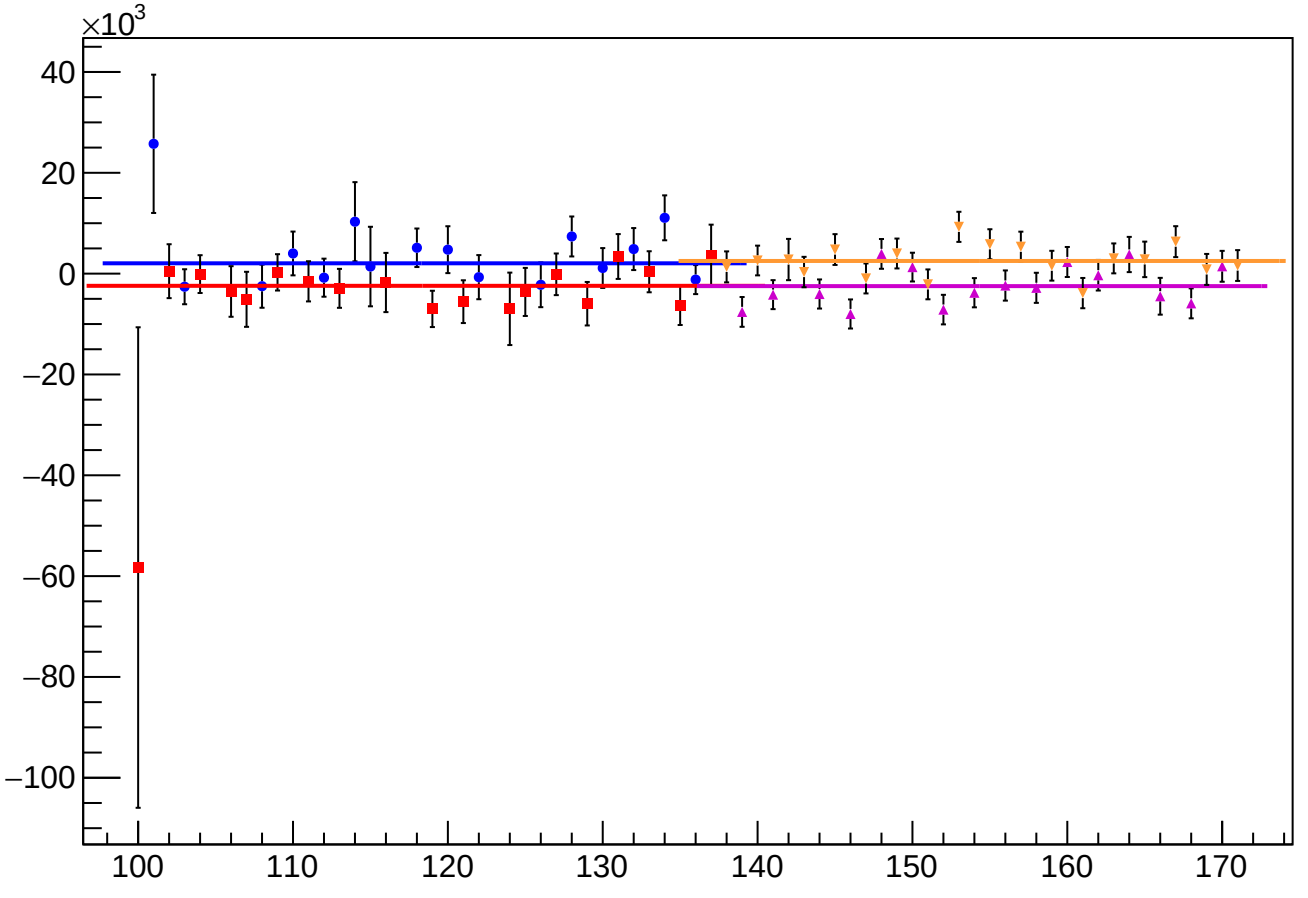
Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 800.108+/-0.159 χ^2/NDF:961506.7/15

+ sign 704.493+/-0.113 χ^2/NDF: 3534170.9/33

All: 687.600+/-0.079 χ^2/NDF: 6893857.5/68

- sign 671.506+/-0.110 χ^2/NDF: 3315960.5/34



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.725+/-722.926 χ^2/NDF:19.1/17

Right Out: -2417.909+/-1037.856 χ^2/NDF: 10.8/18

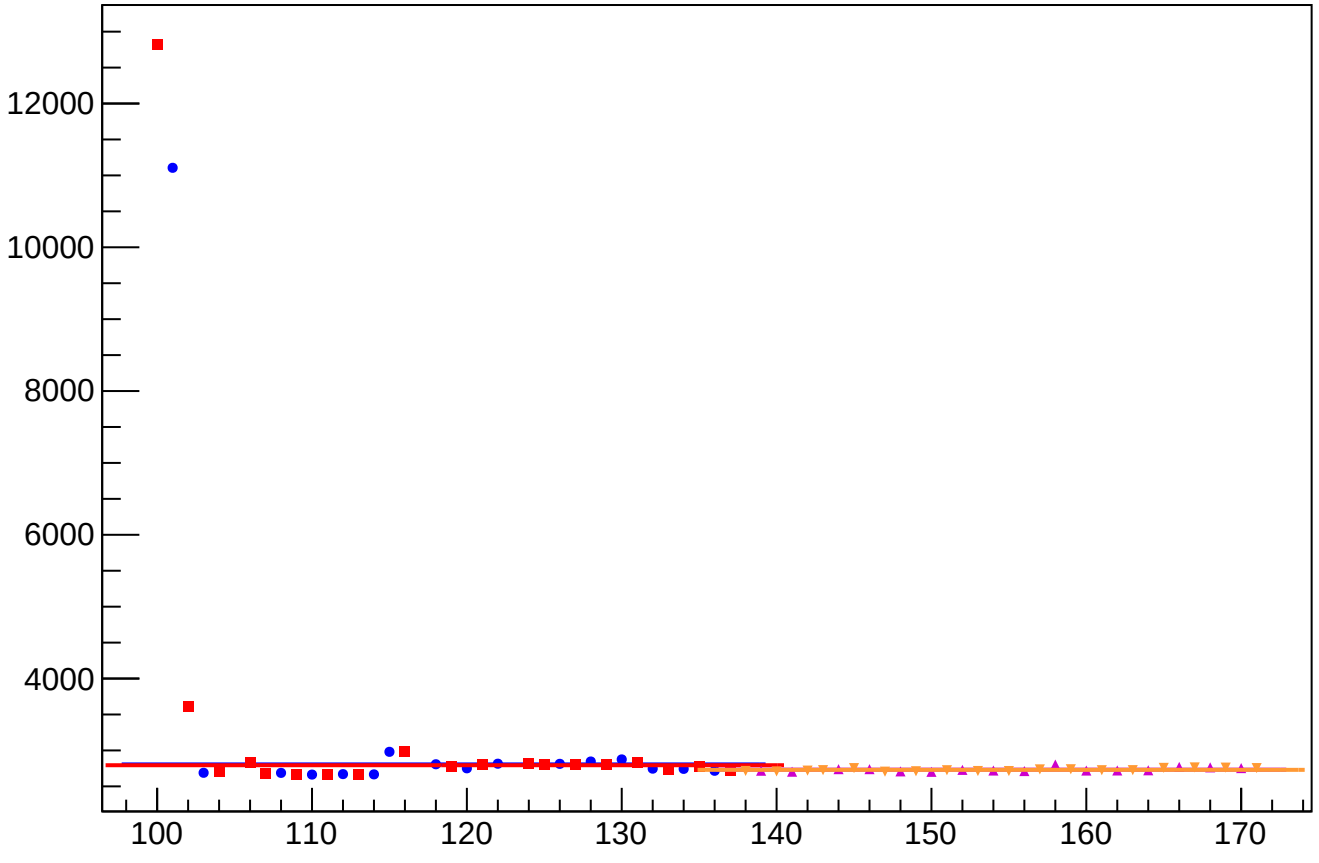
Left In: -2477.231+/-751.473 χ^2/NDF:26.1/15

+ sign 2366.677+/-599.090 χ^2/NDF: 37.0/33

All: -6.812+/-426.968 χ^2/NDF: 105.8/68

- sign -2456.828+/-608.671 χ^2/NDF: 36.8/34

eigen_cor_asym_atr1_rms vs Slug



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

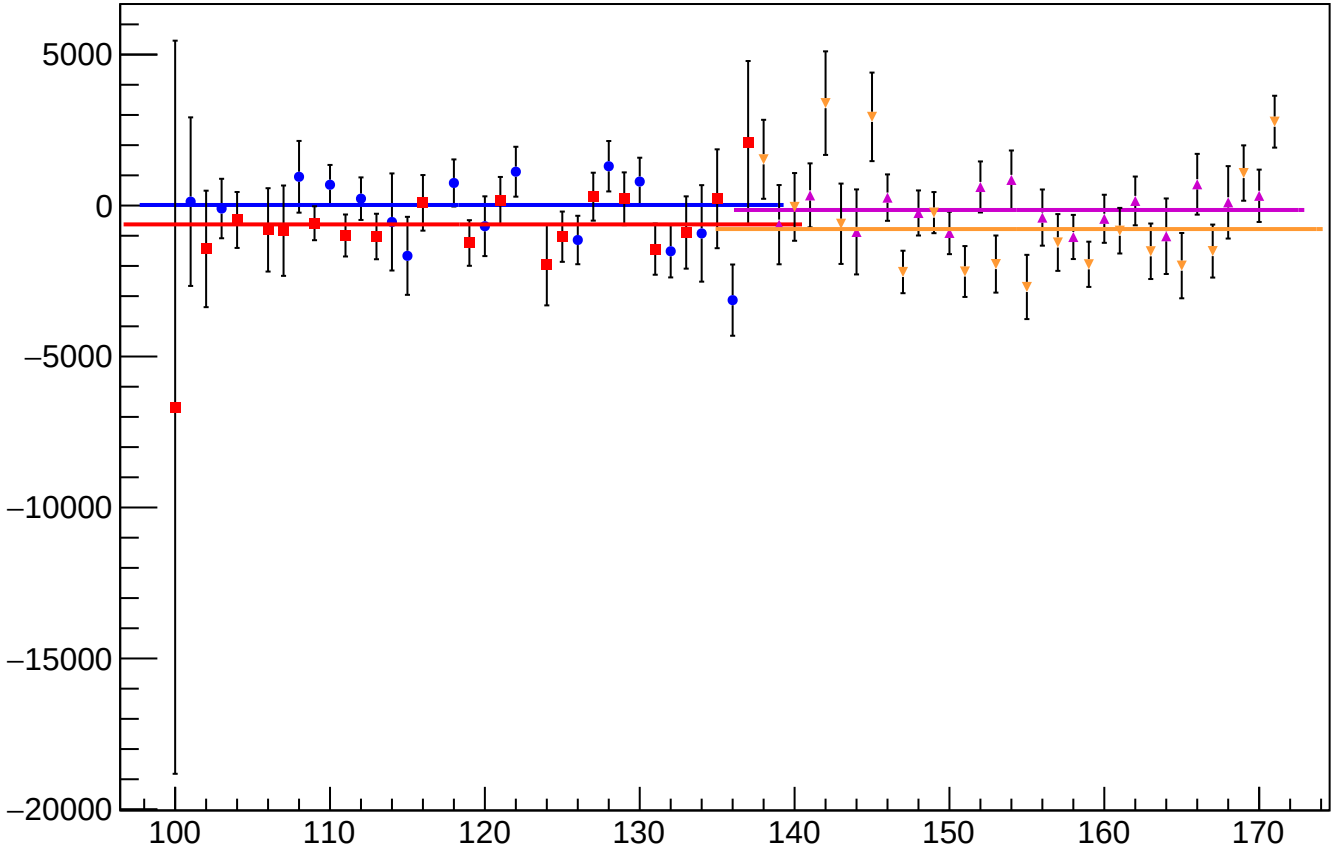
Left In: 2732.408+/-0.531 χ^2/NDF:2504.6/15

+ sign 2753.580+/-0.424 χ^2/NDF: 754459.8/33

All: 2753.613+/-0.302 χ^2/NDF: 908353.4/68

- sign 2753.647+/-0.430 χ^2/NDF: 153893.6/34

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -778.604+/-218.792 χ^2/NDF:54.6/17

Right Out: -624.217+/-215.902 χ^2/NDF: 9.1/18

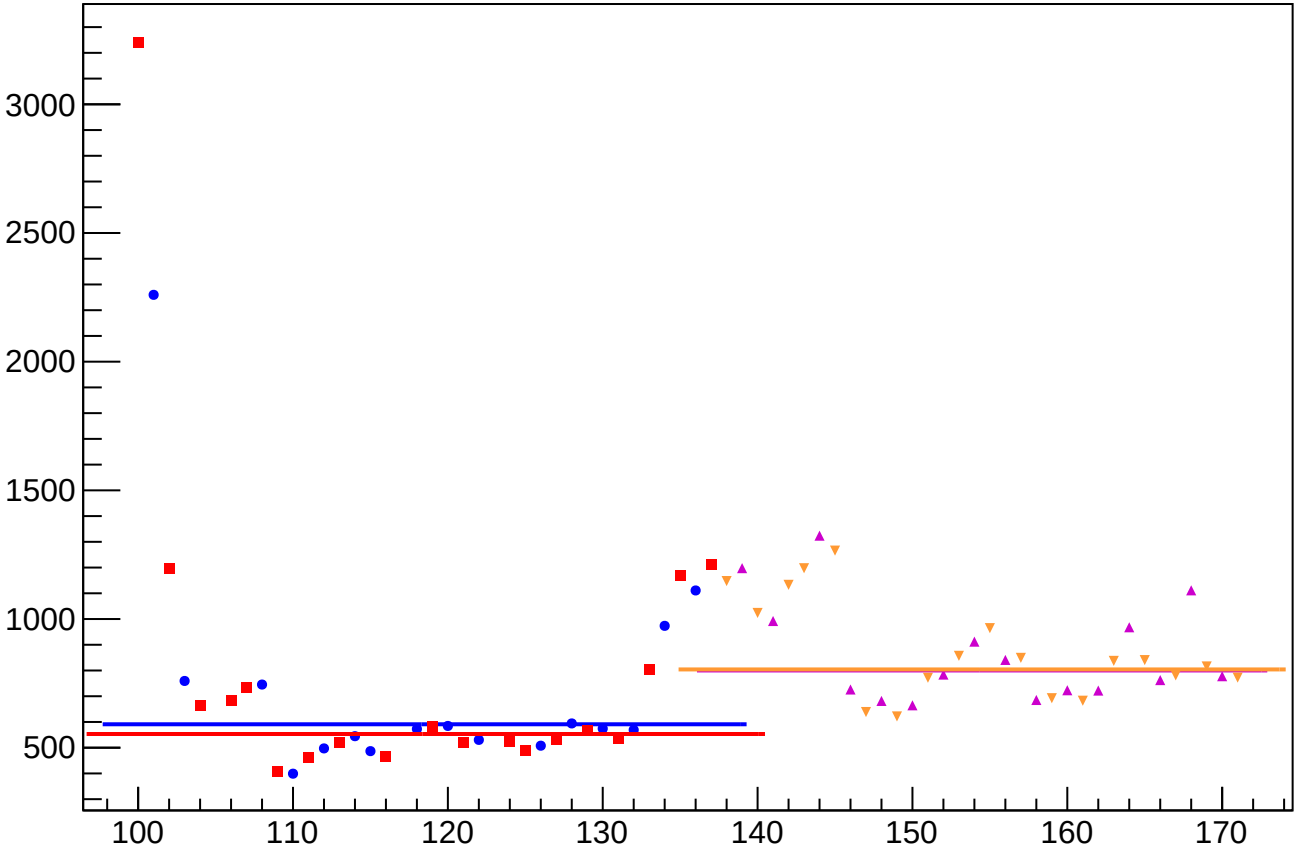
Left In: -146.790+/-225.132 χ^2/NDF:7.3/15

+ sign -405.690+/-159.647 χ^2/NDF: 83.6/33

All: -400.467+/-111.512 χ^2/NDF: 102.4/68

- sign -395.491+/-155.826 χ^2/NDF: 18.8/34

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 804.128+/-0.155 χ^2/NDF:1080502.5/17

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

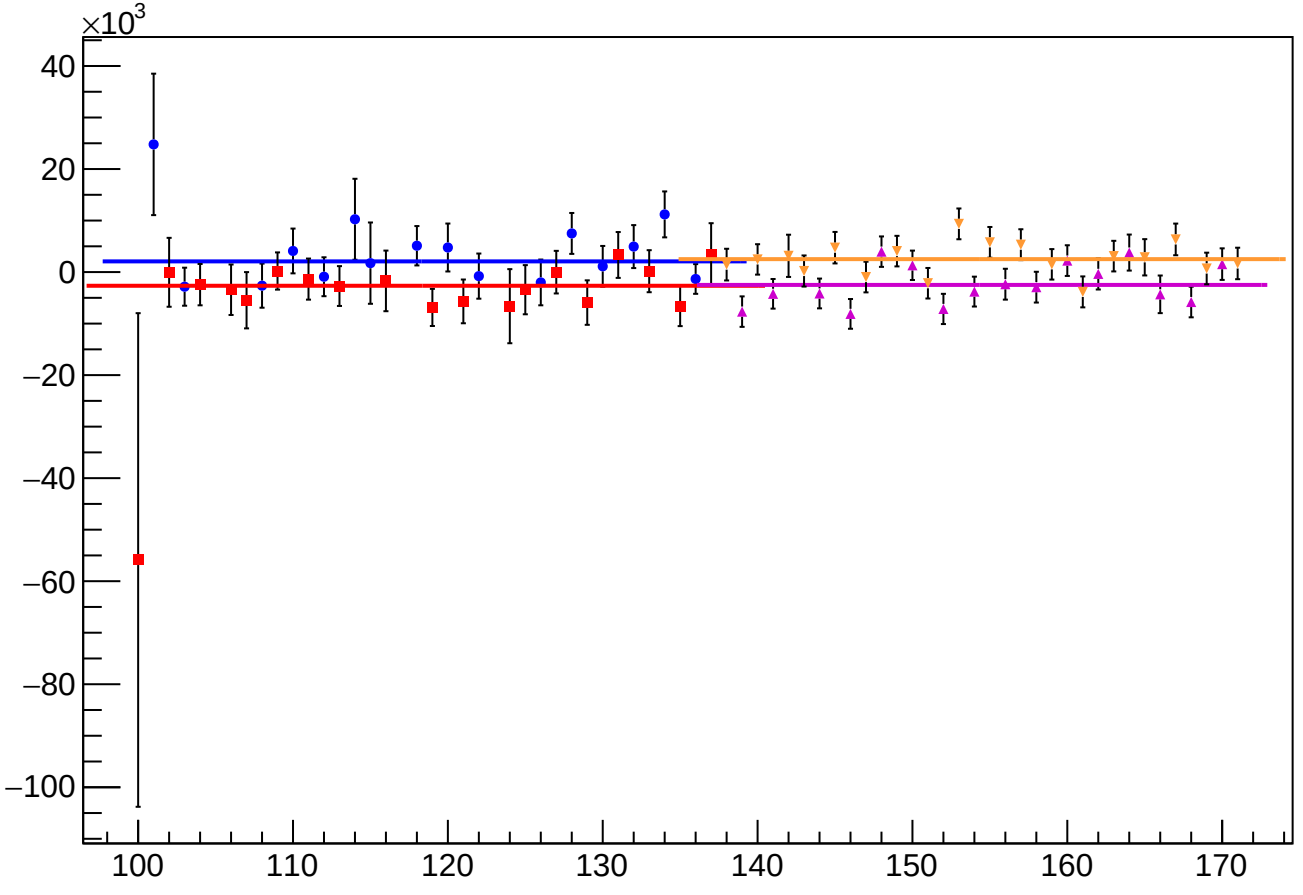
Left In: 800.108+/-0.159 χ^2/NDF:961506.7/15

+ sign 704.493+/-0.113 χ^2/NDF: 3534170.9/33

All: 687.600+/-0.079 χ^2/NDF: 6893857.5/68

- sign 671.506+/-0.110 χ^2/NDF: 3315960.5/34

dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2511.167+/-723.423 χ^2/NDF:19.3/17

Right Out: -2657.301+/-1049.868 χ^2/NDF: 9.9/18

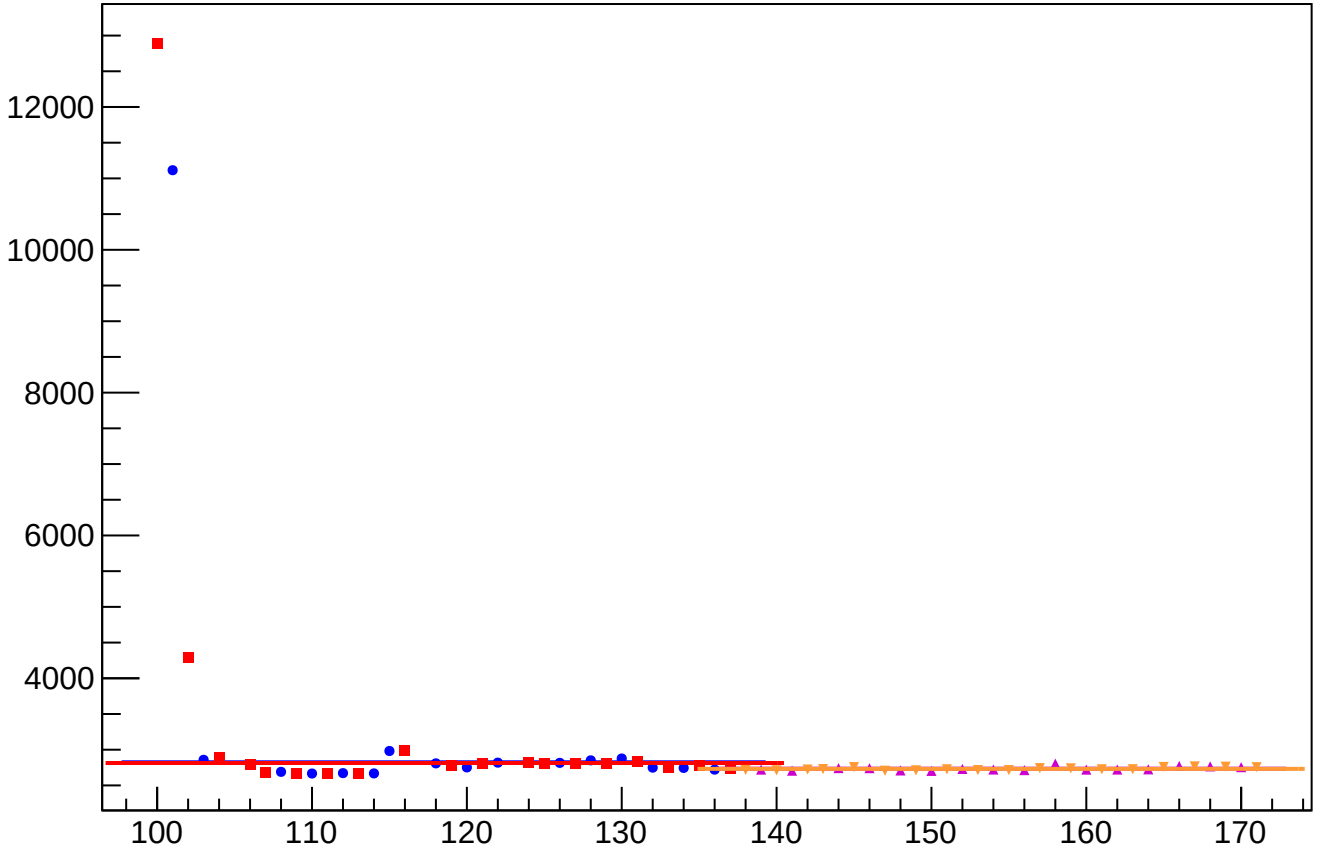
Left In: -2493.280+/-751.920 χ^2/NDF:26.3/15

+ sign 2375.519+/-600.556 χ^2/NDF: 37.3/33

All: -43.002+/-428.408 χ^2/NDF: 106.6/68

- sign -2548.890+/-611.307 χ^2/NDF: 36.3/34

dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2731.790+/-0.512 χ^2/NDF:1405.2/17

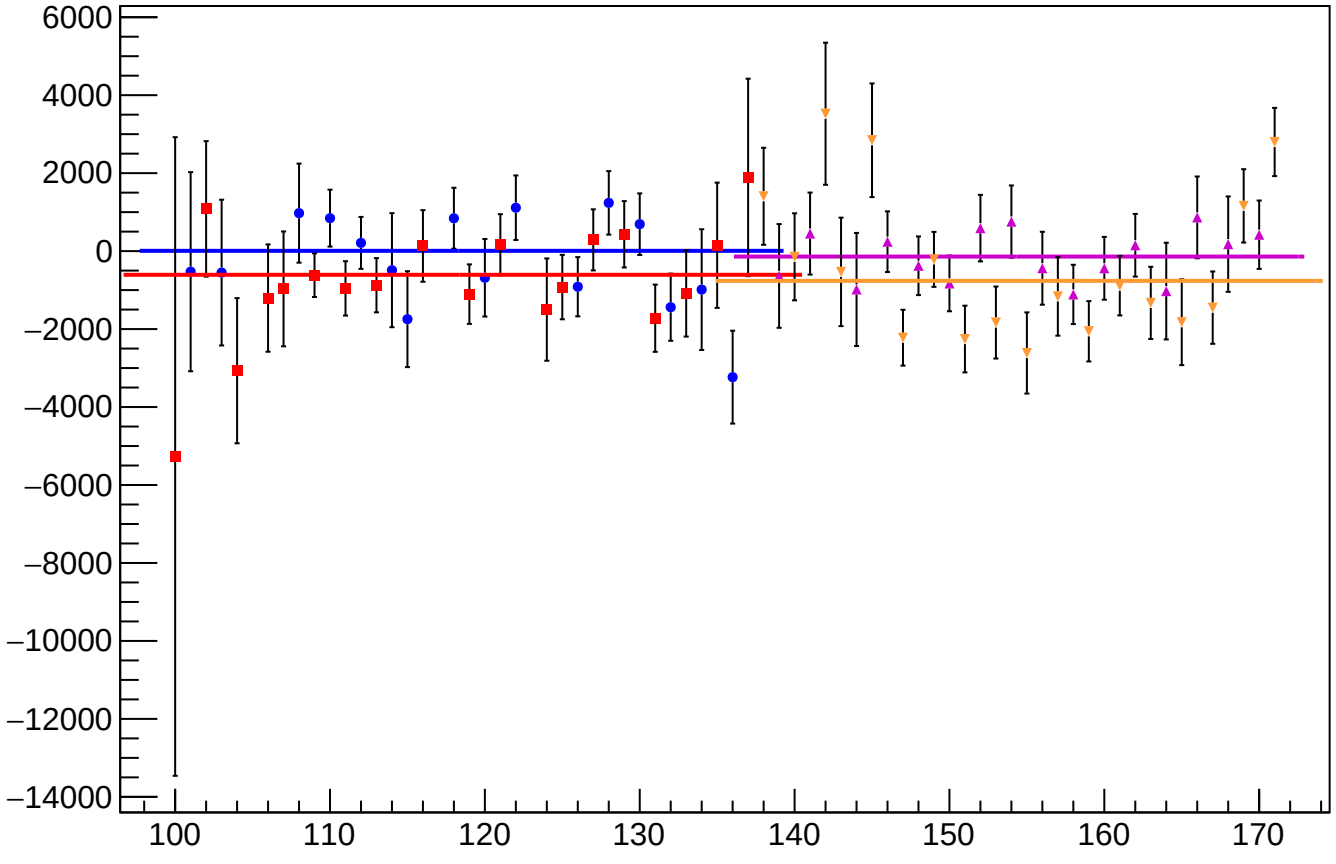
Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2734.025+/-0.532 χ^2/NDF:2520.4/15

+ sign 2760.281+/-0.425 χ^2/NDF: 755300.9/33

All: 2760.673+/-0.303 χ^2/NDF: 965971.5/68

- sign 2761.079+/-0.432 χ^2/NDF: 210668.8/34



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -763.490+/-222.942 χ^2/NDF:52.9/17

Right Out: -607.647+/-217.093 χ^2/NDF: 12.2/18

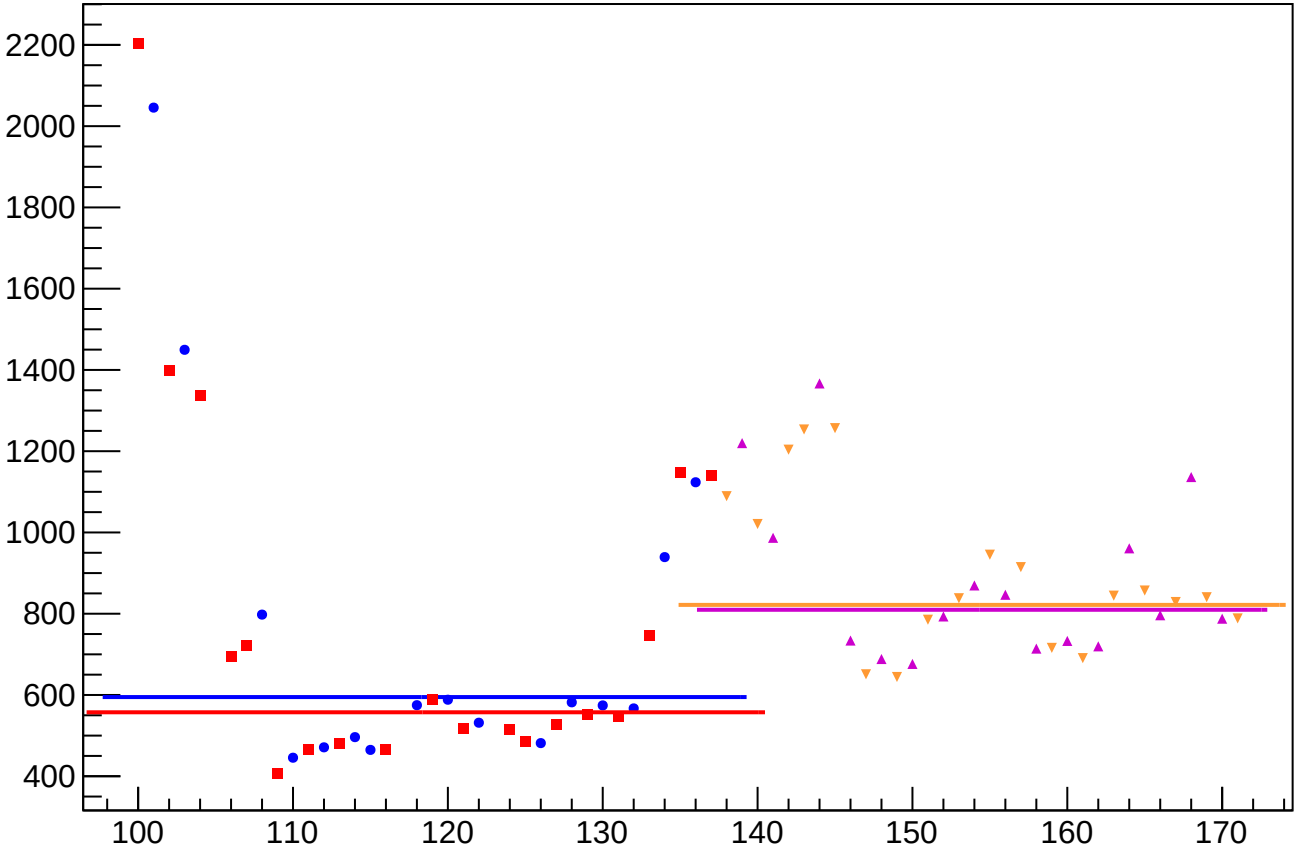
Left In: -139.935+/-227.391 χ^2/NDF:7.6/15

+ sign -402.486+/-162.533 χ^2/NDF: 81.3/33

All: -393.246+/-112.929 χ^2/NDF: 103.3/68

- sign -384.621+/-157.023 χ^2/NDF: 22.0/34

asym_atr1_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 821.724+/-0.158 χ^2/NDF:1008137.8/17

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

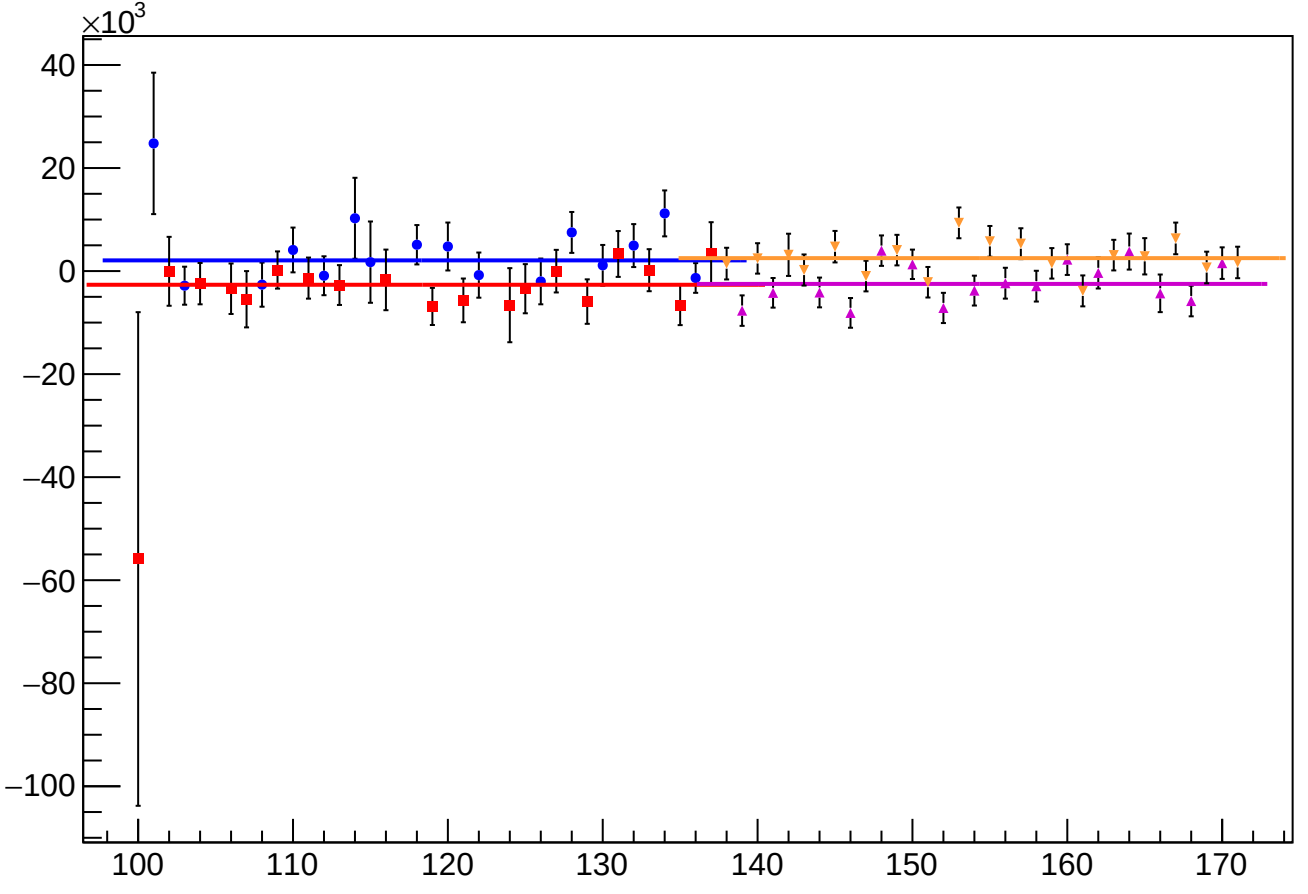
Left In: 809.679+/-0.161 χ^2/NDF:943178.6/15

+ sign 715.435+/-0.115 χ^2/NDF: 3831082.4/33

All: 695.915+/-0.080 χ^2/NDF: 7749249.1/68

- sign 677.696+/-0.111 χ^2/NDF: 3862394.9/34

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2511.168+/-723.423 χ^2/NDF:19.3/17

Right Out: -2657.300+/-1049.868 χ^2/NDF: 9.9/18

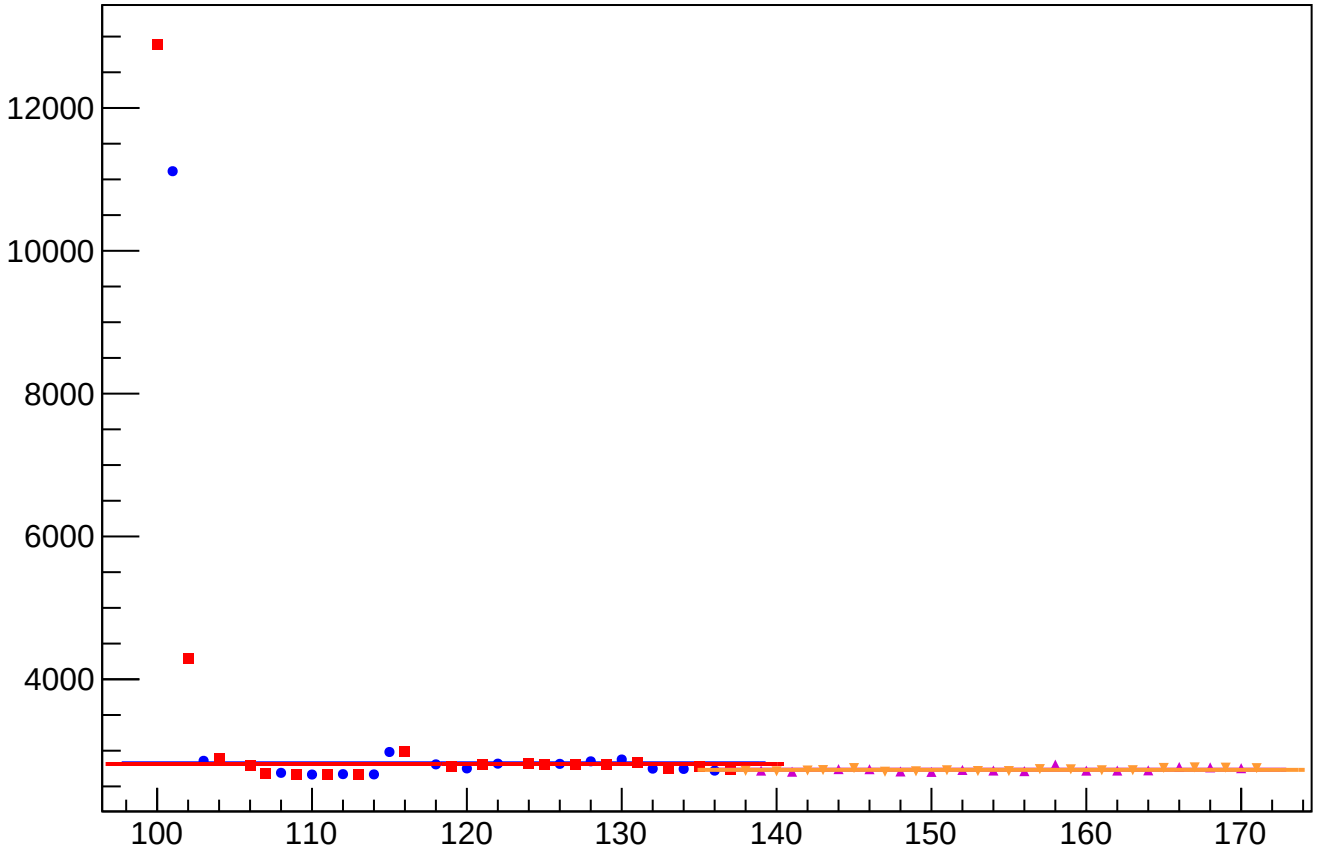
Left In: -2493.280+/-751.920 χ^2/NDF:26.3/15

+ sign 2375.519+/-600.556 χ^2/NDF: 37.3/33

All: -43.002+/-428.408 χ^2/NDF: 106.6/68

- sign -2548.889+/-611.307 χ^2/NDF: 36.3/34

eigen_dit_asym_atr1_rms vs Slug



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2731.790+/-0.512 χ^2/NDF:1405.2/17

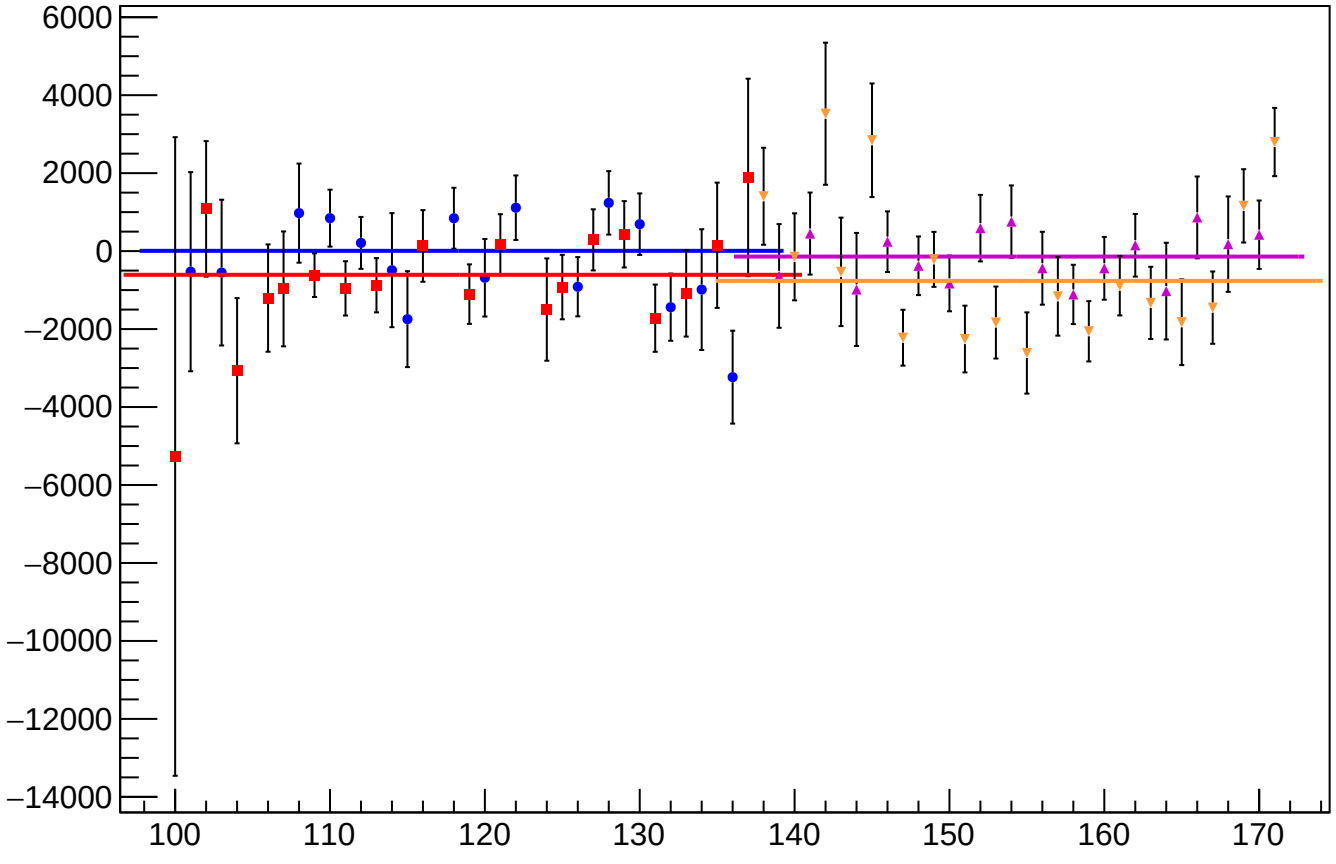
Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2734.025+/-0.532 χ^2/NDF:2520.4/15

+ sign 2760.281+/-0.425 χ^2/NDF: 755300.9/33

All: 2760.673+/-0.303 χ^2/NDF: 965971.2/68

- sign 2761.079+/-0.432 χ^2/NDF: 210668.6/34



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -763.491+/-222.942 χ^2/NDF:52.9/17

Right Out: -607.647+/-217.094 χ^2/NDF: 12.2/18

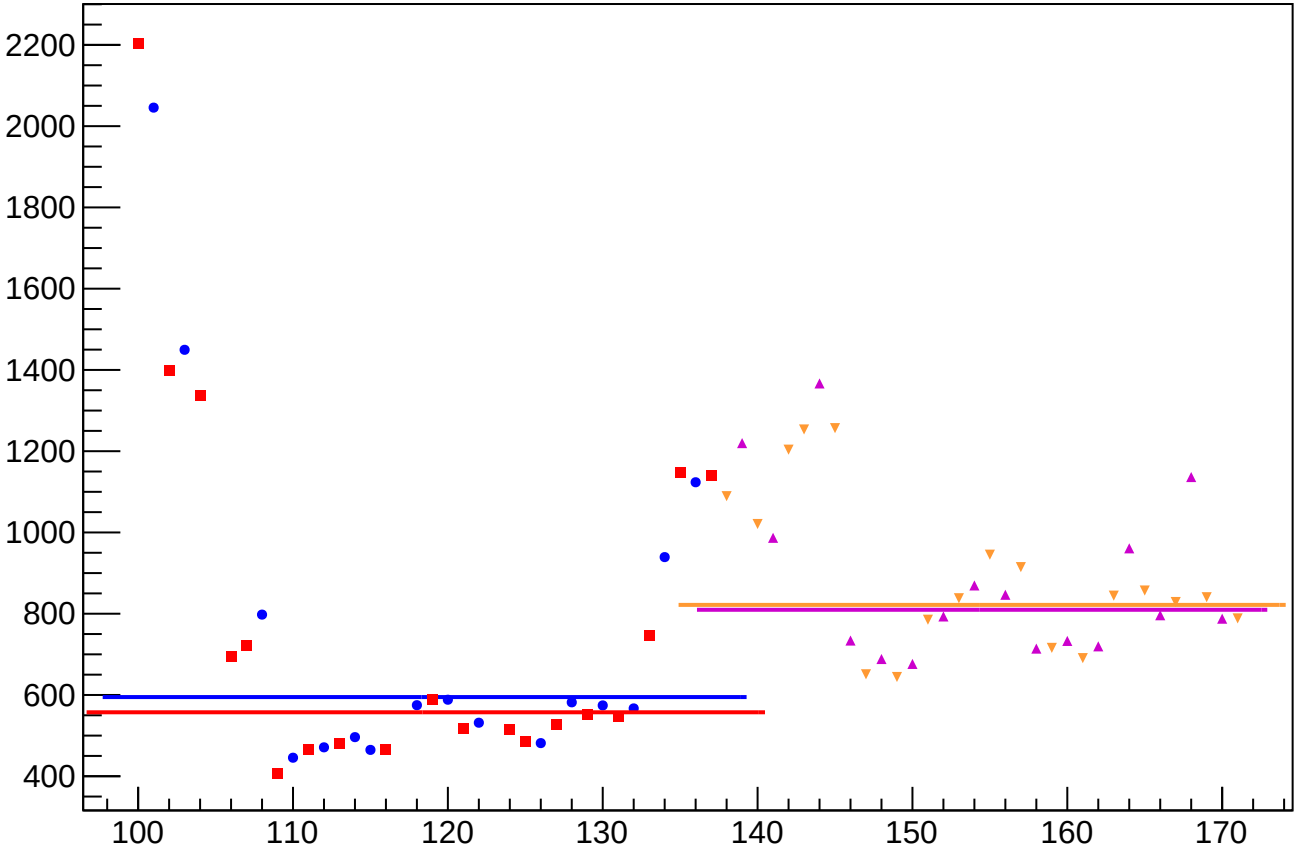
Left In: -139.935+/-227.391 χ^2/NDF:7.6/15

+ sign -402.487+/-162.533 χ^2/NDF: 81.3/33

All: -393.246+/-112.929 χ^2/NDF: 103.3/68

- sign -384.621+/-157.023 χ^2/NDF: 22.0/34

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 821.724+/-0.158 χ^2/NDF:1008139.9/17

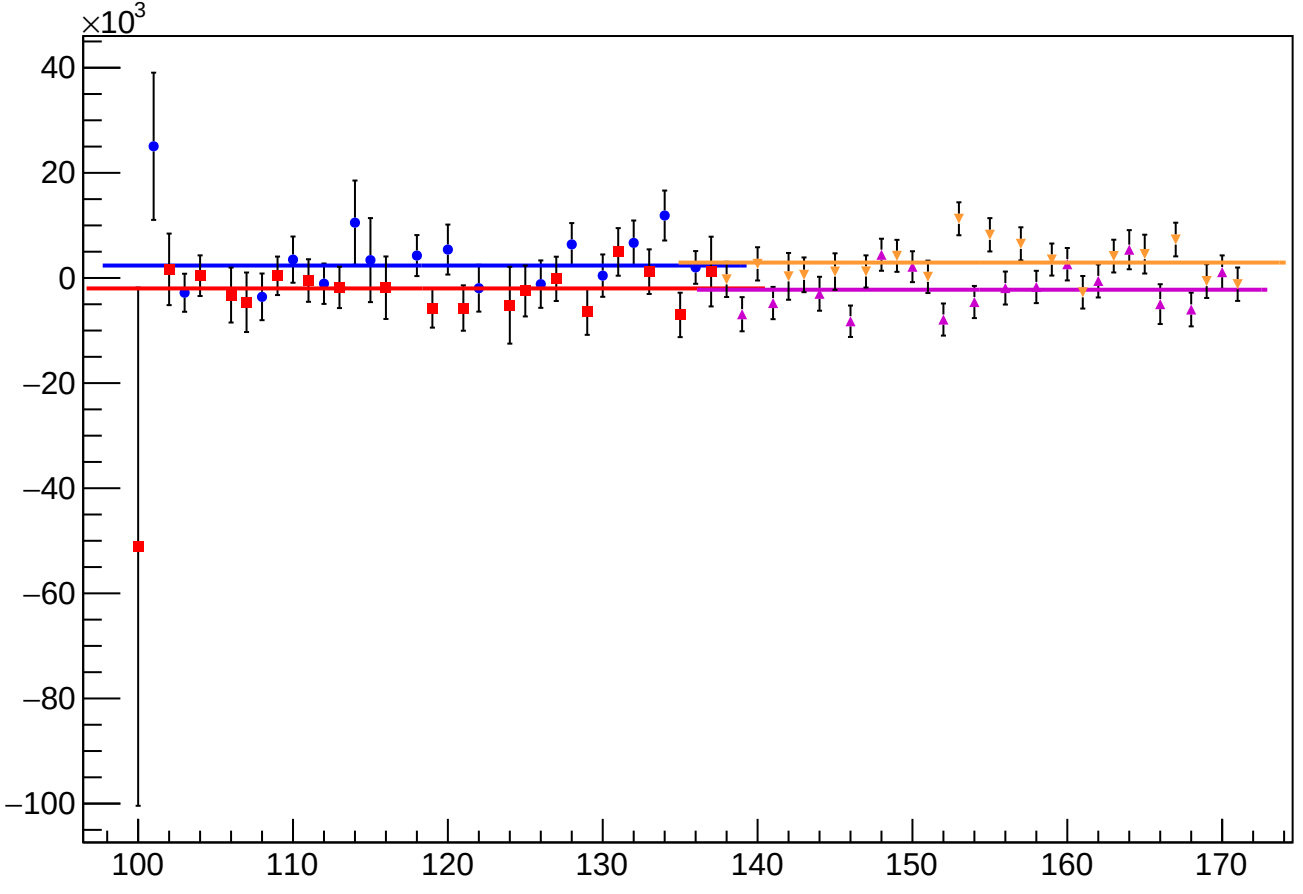
Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 809.679+/-0.161 χ^2/NDF:943181.9/15

+ sign 715.435+/-0.115 χ^2/NDF: 3831076.3/33

All: 695.915+/-0.080 χ^2/NDF: 7749242.4/68

- sign 677.696+/-0.111 χ^2/NDF: 3862393.7/34



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2934.015+/-763.142 χ^2/NDF:22.8/17

Right Out: -1987.039+/-1075.310 χ^2/NDF: 10.3/18

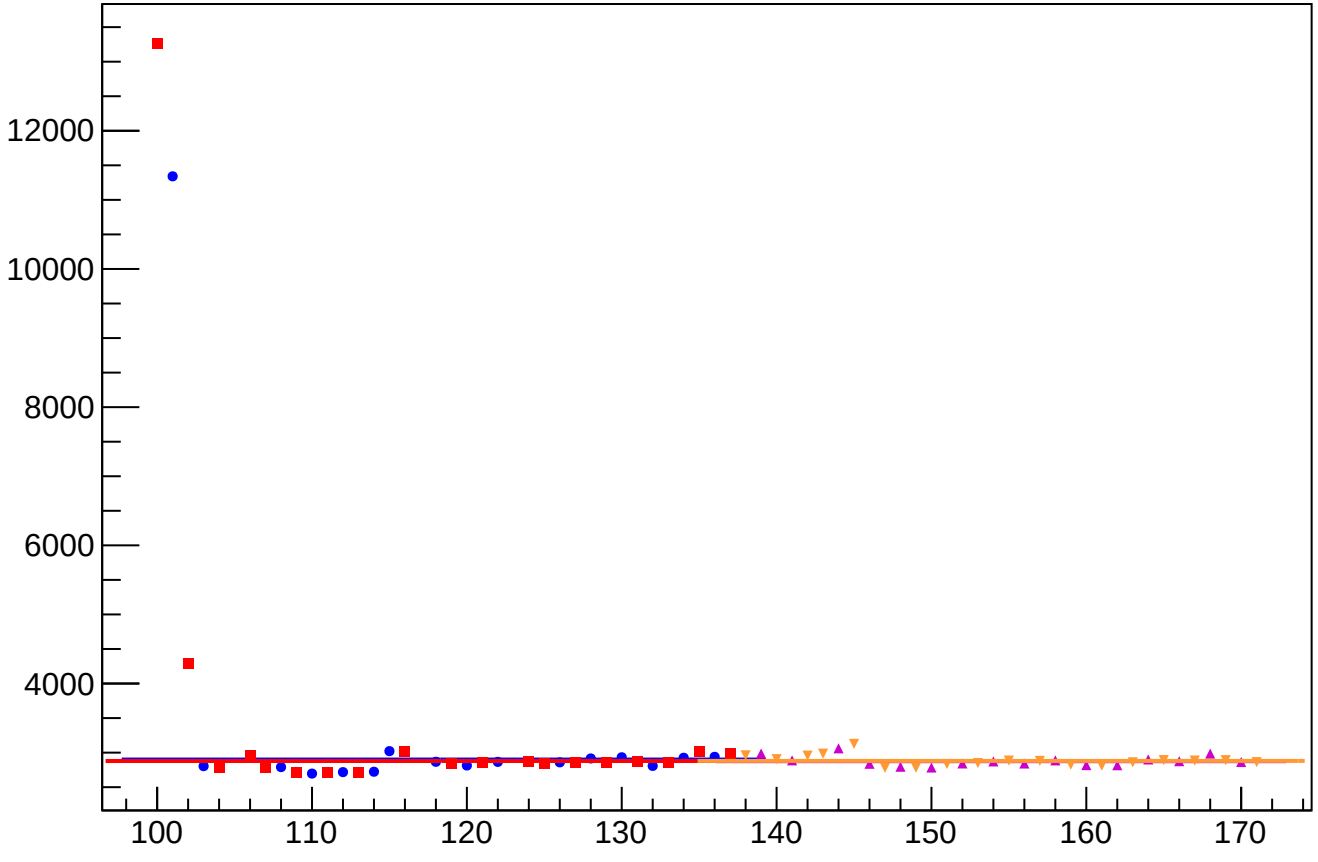
Left In: -2234.098+/-791.292 χ^2/NDF:27.8/15

+ sign 2751.231+/-628.164 χ^2/NDF: 39.9/33

All: 337.437+/-447.384 χ^2/NDF: 108.0/68

- sign -2147.310+/-637.329 χ^2/NDF: 38.1/34

asym_atr1_rms vs Slug



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.365+/-0.540 χ^2/NDF:20618.2/17

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

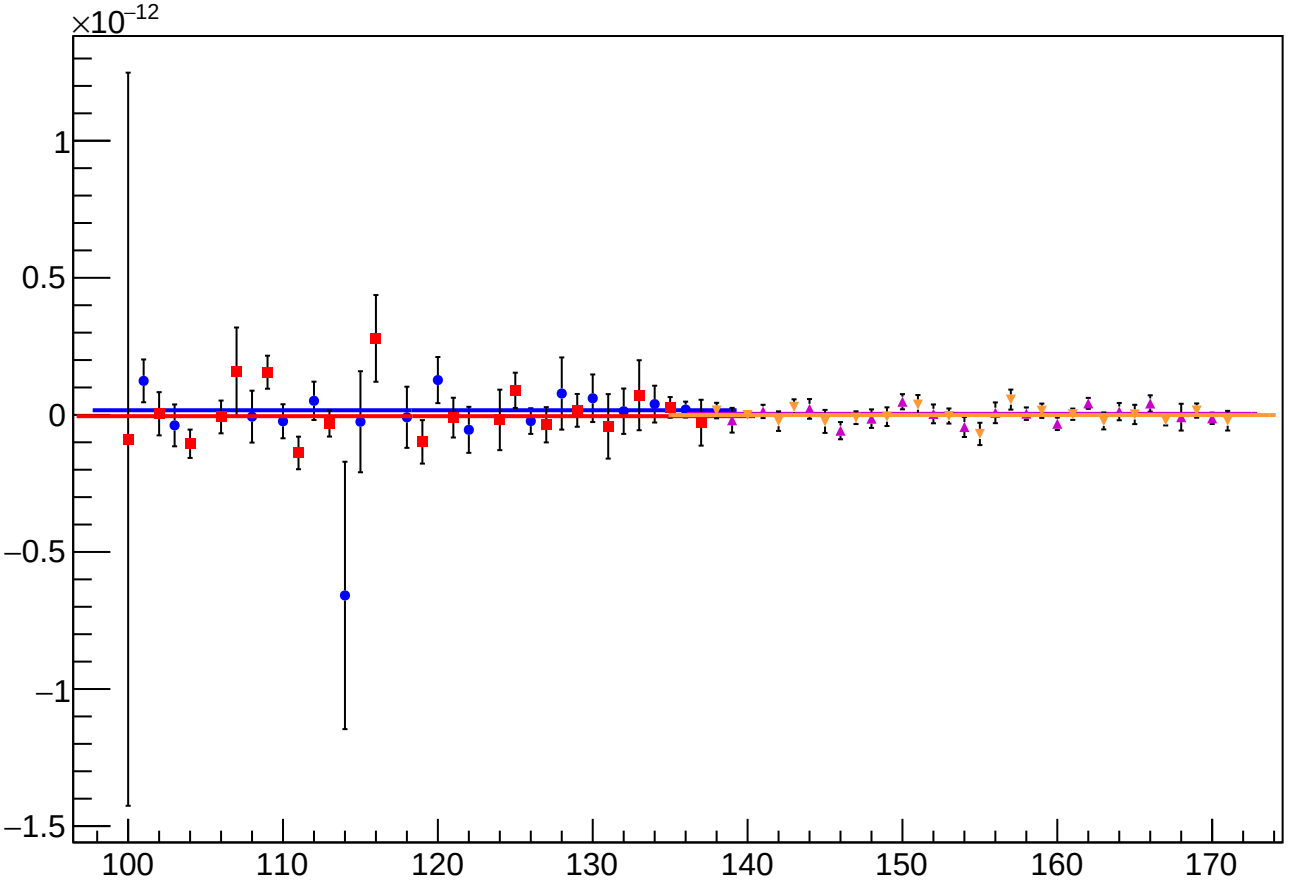
Left In: 2876.151+/-0.560 χ^2/NDF:16980.3/15

+ sign 2886.641+/-0.444 χ^2/NDF: 762855.8/33

All: 2881.958+/-0.316 χ^2/NDF: 973353.0/68

- sign 2877.137+/-0.451 χ^2/NDF: 210271.6/34

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:11.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

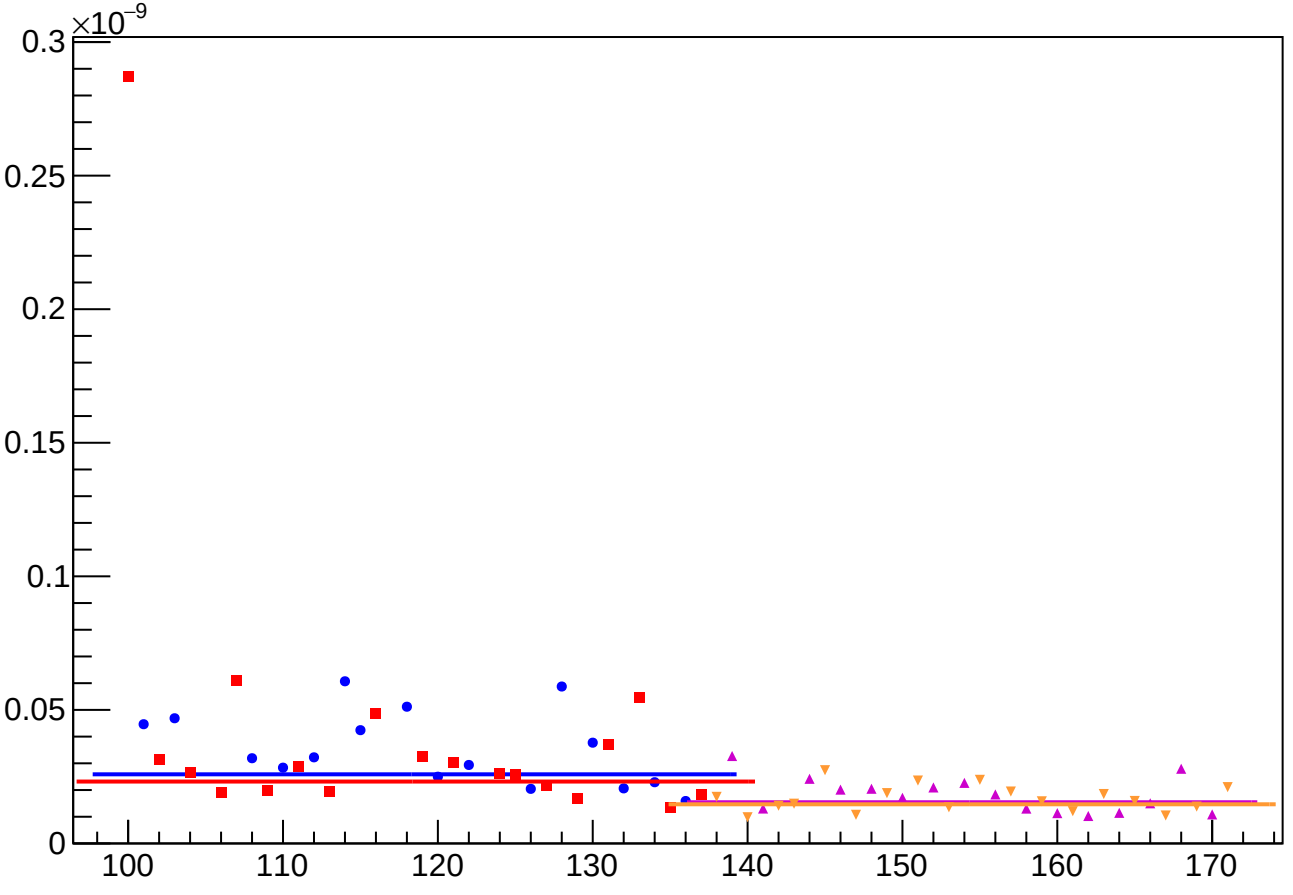
Left In: 0.000+/-0.000 χ^2/NDF:17.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/33

All: 0.000+/-0.000 χ^2/NDF: 64.7/68

- sign 0.000+/-0.000 χ^2/NDF: 43.5/34

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:928955.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

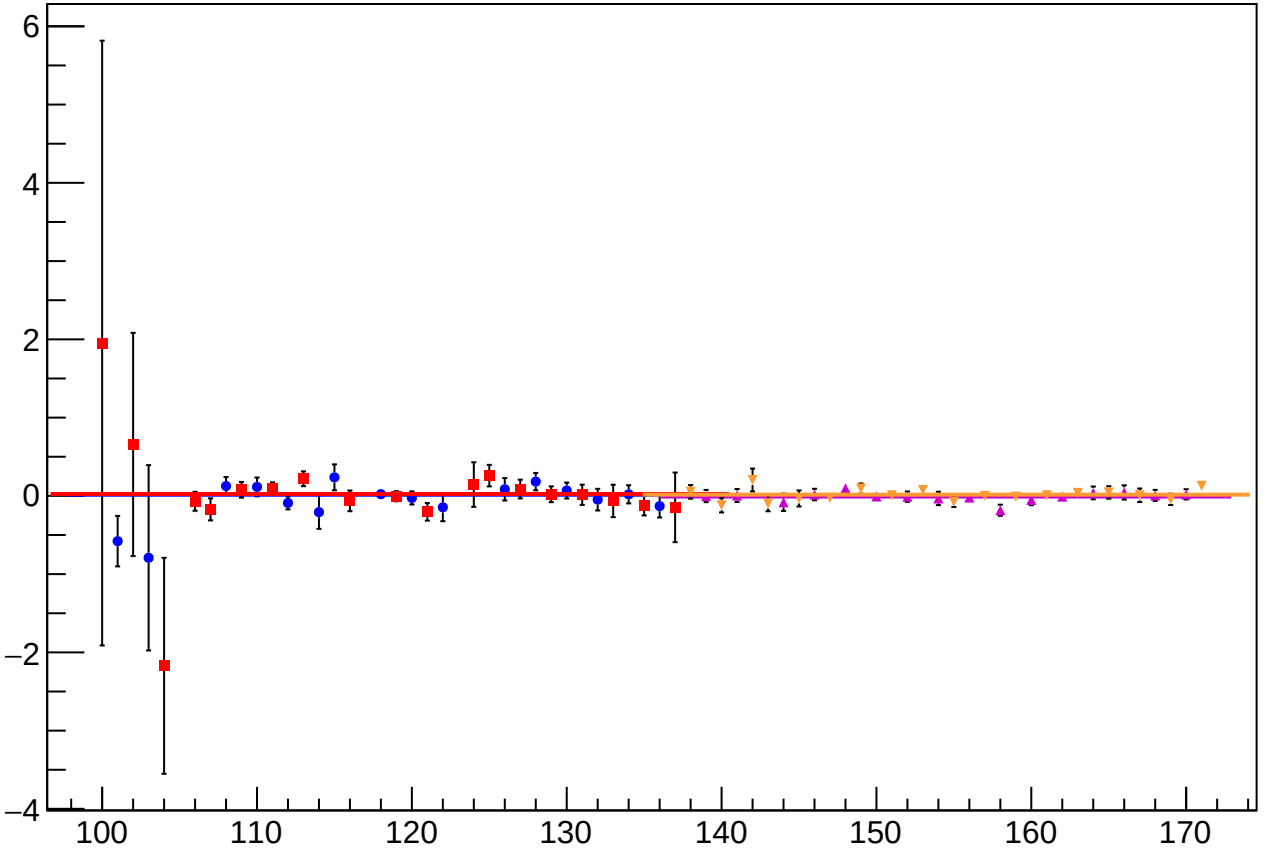
Left In: 0.000+/-0.000 χ^2/NDF:1150178.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 2564823.0/33

All: 0.000+/-0.000 χ^2/NDF: 4818763.7/68

- sign 0.000+/-0.000 χ^2/NDF: 2243457.9/34

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

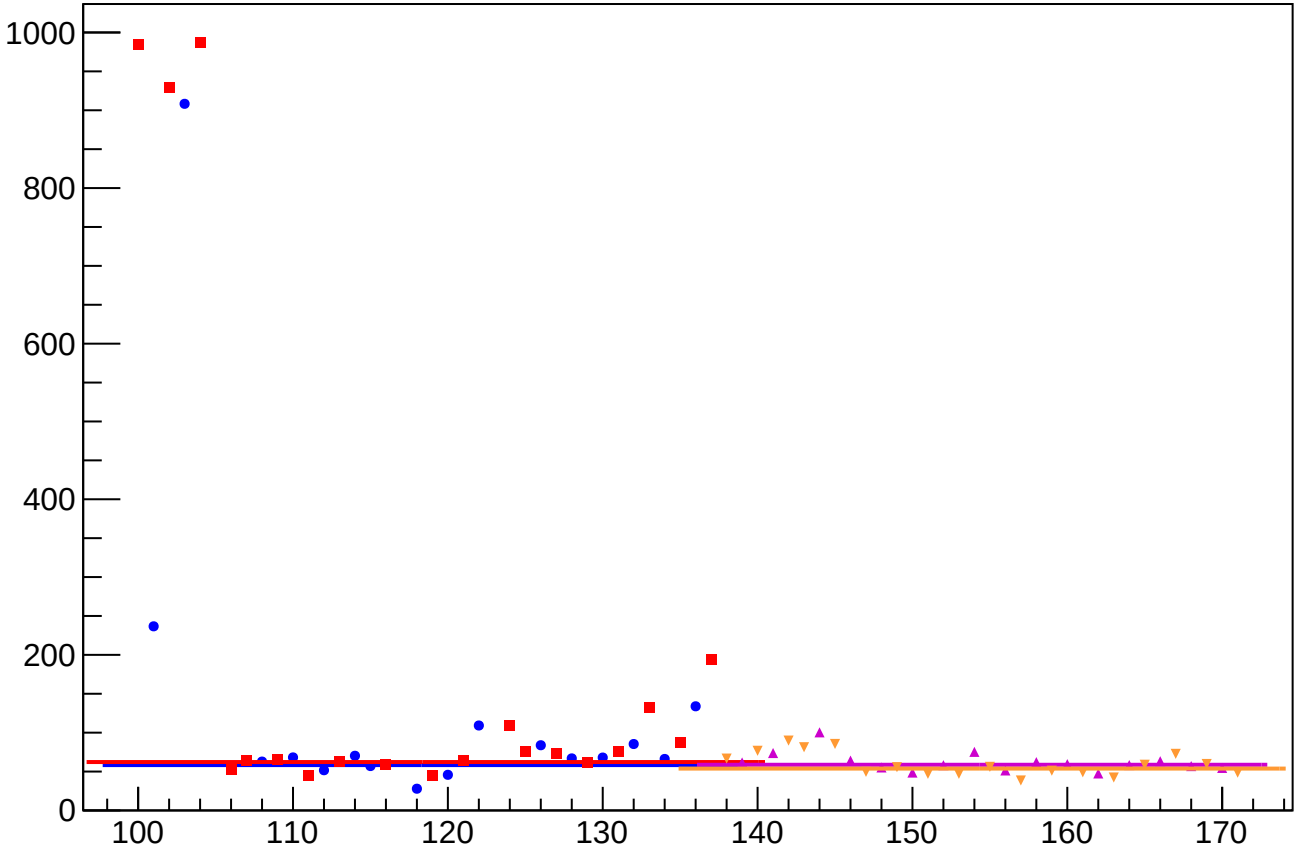
Left In: -0.009+/-0.018 χ^2/NDF:10.9/15

+ sign 0.015+/-0.014 χ^2/NDF: 30.2/33

All: 0.009+/-0.010 χ^2/NDF: 63.4/68

- sign 0.001+/-0.015 χ^2/NDF: 32.6/34

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.818+/-0.011 χ^2/NDF:1074173.6/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

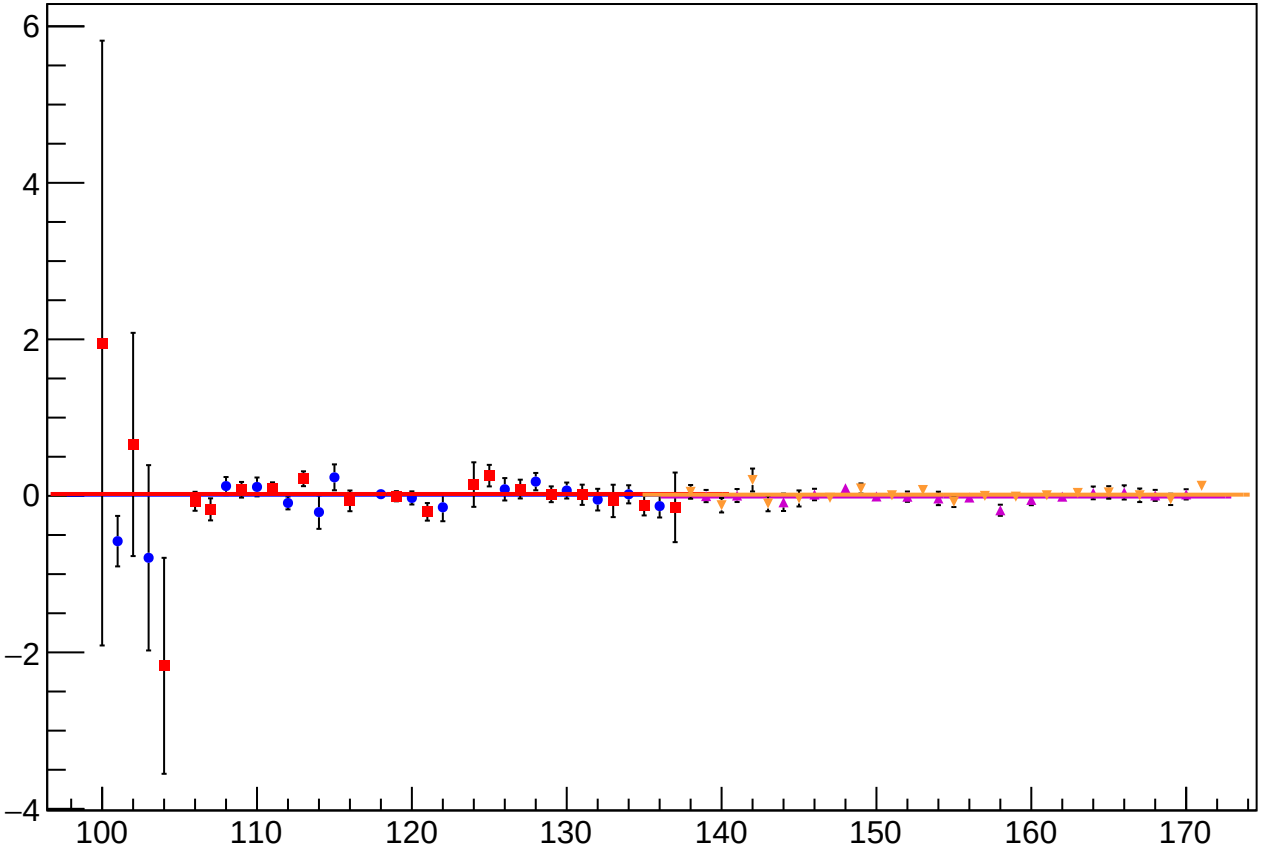
Left In: 58.720+/-0.013 χ^2/NDF:624563.3/15

+ sign 54.959+/-0.010 χ^2/NDF: 4373495.9/33

All: 57.185+/-0.007 χ^2/NDF: 7755382.9/68

- sign 59.723+/-0.011 χ^2/NDF: 3274076.9/34

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

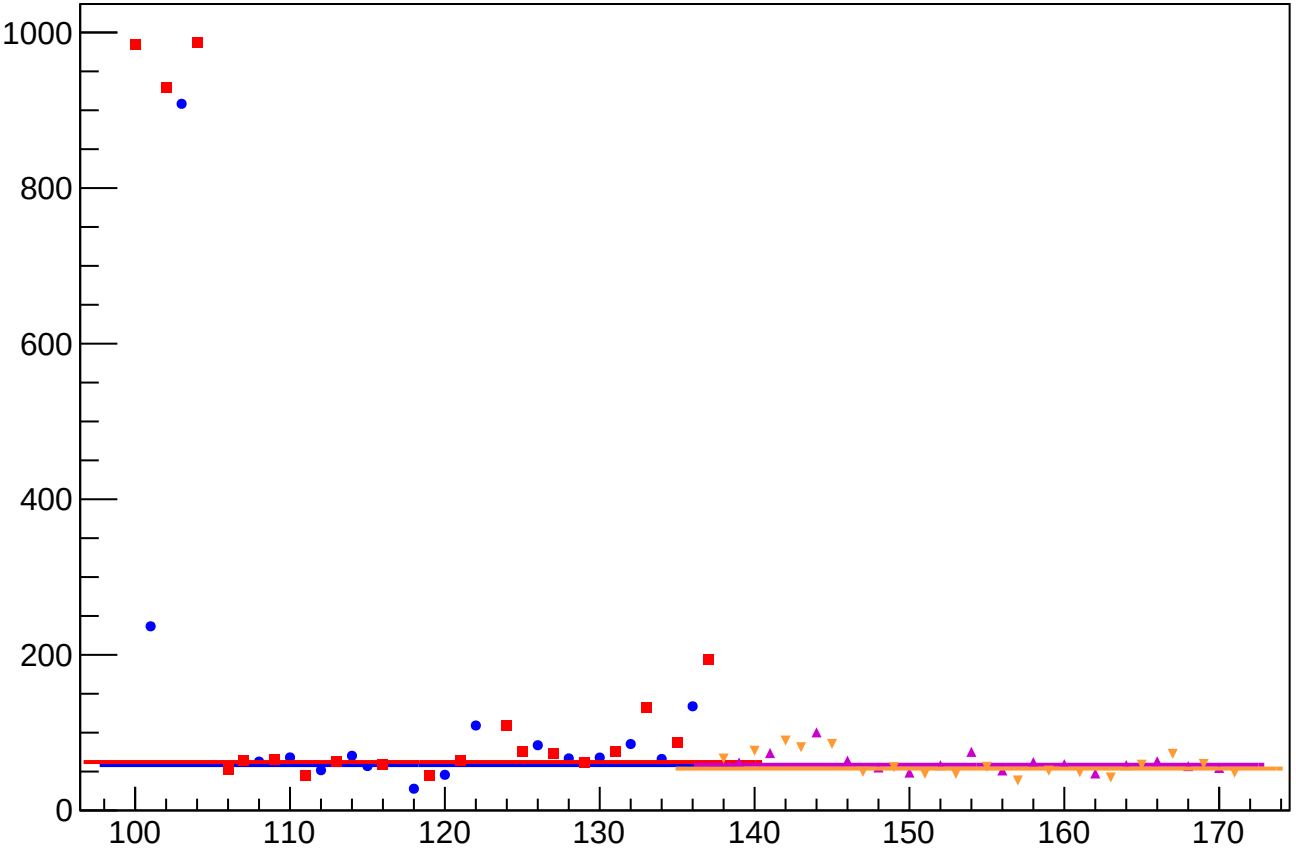
Left In: -0.009+/-0.018 χ^2/NDF:10.9/15

+ sign 0.015+/-0.014 χ^2/NDF: 30.2/33

All: 0.009+/-0.010 χ^2/NDF: 63.4/68

- sign 0.001+/-0.015 χ^2/NDF: 32.6/34

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.818+/-0.011 χ^2/NDF:1074173.6/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

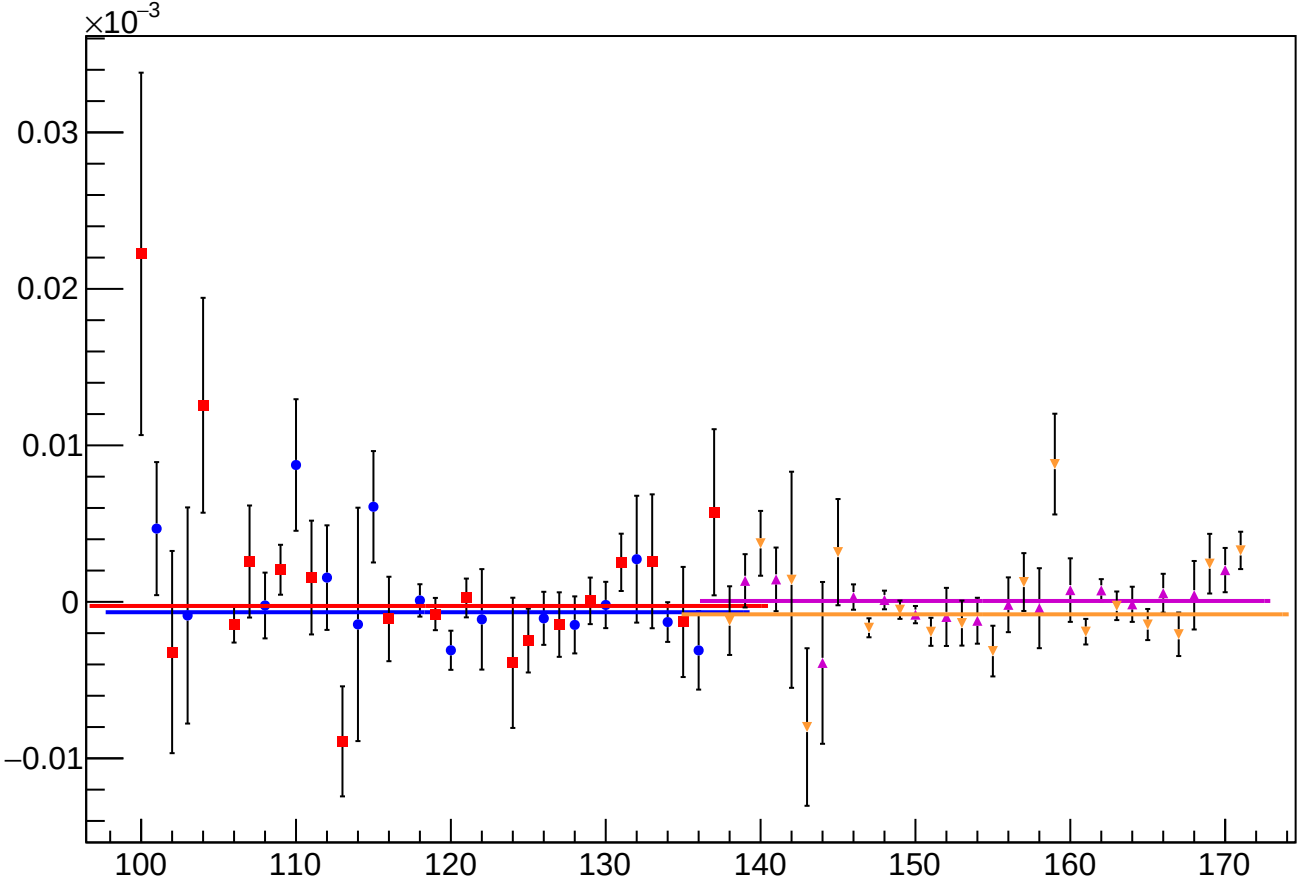
Left In: 58.720+/-0.013 χ^2/NDF:624563.3/15

+ sign 54.959+/-0.010 χ^2/NDF: 4373495.9/33

All: 57.185+/-0.007 χ^2/NDF: 7755382.9/68

- sign 59.723+/-0.011 χ^2/NDF: 3274076.9/34

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/18

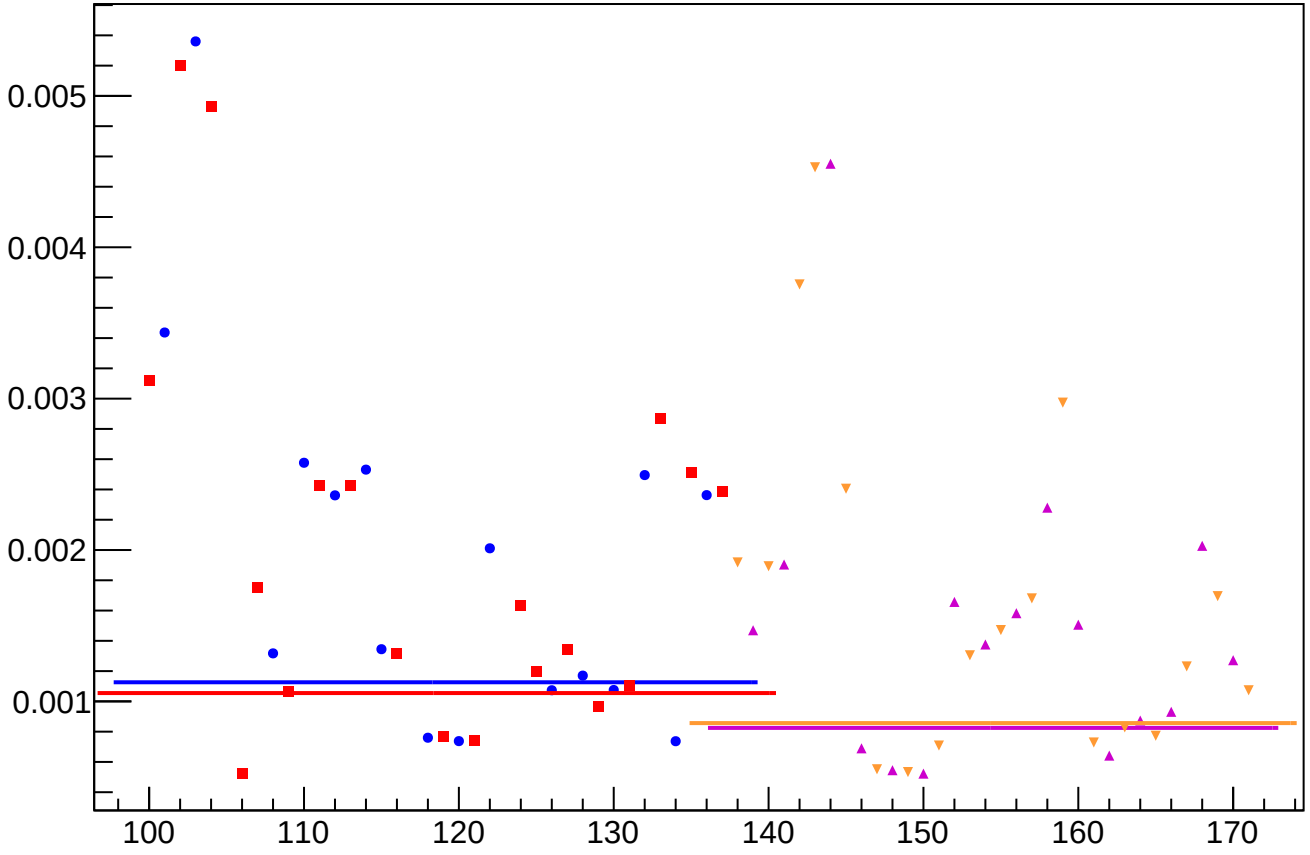
Left In: 0.000+/-0.000 χ^2/NDF:8.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/33

All: -0.000+/-0.000 χ^2/NDF: 98.3/68

- sign -0.000+/-0.000 χ^2/NDF: 33.4/34

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:6383332.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

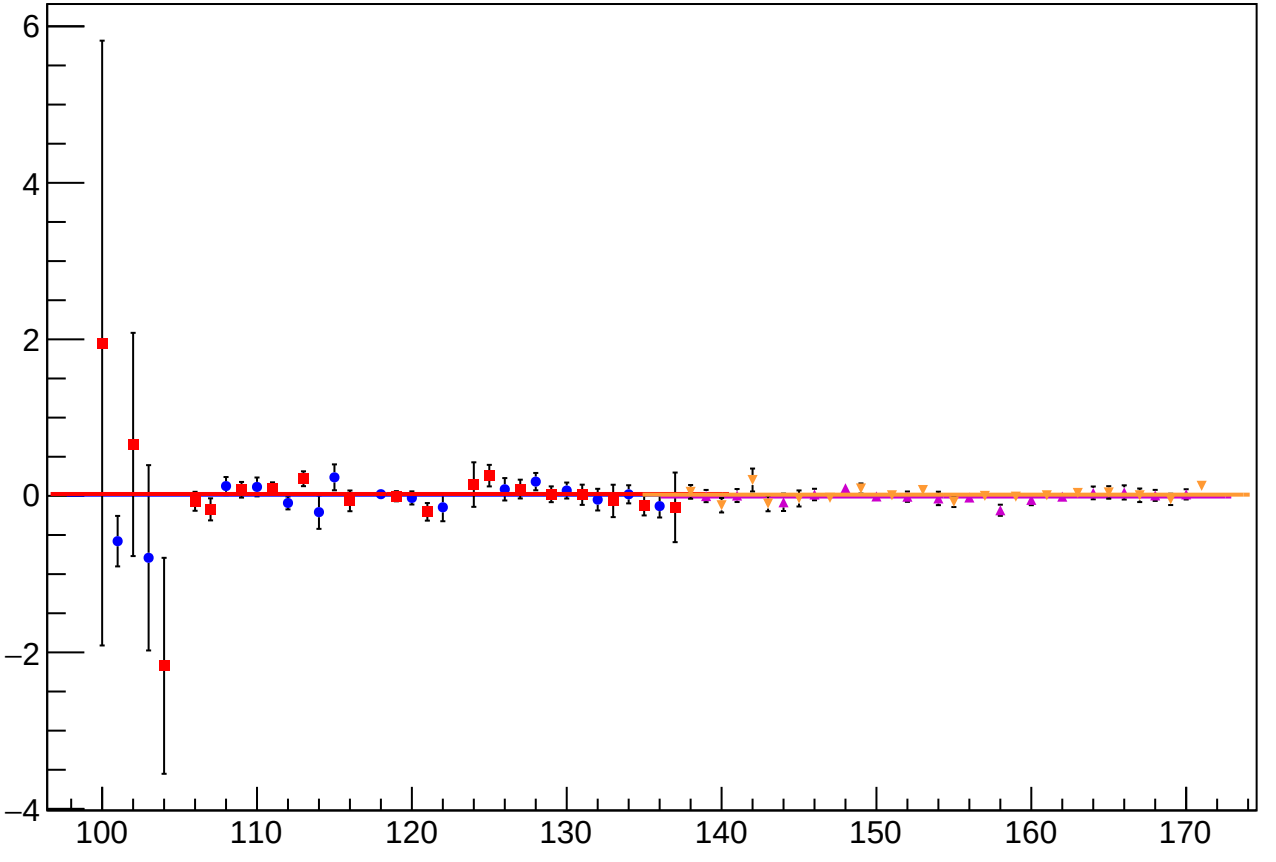
Left In: 0.001+/-0.000 χ^2/NDF:5868200.6/15

+ sign 0.001+/-0.000 χ^2/NDF: 10302532.8/33

All: 0.001+/-0.000 χ^2/NDF: 20410156.6/68

- sign 0.001+/-0.000 χ^2/NDF: 10083967.0/34

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

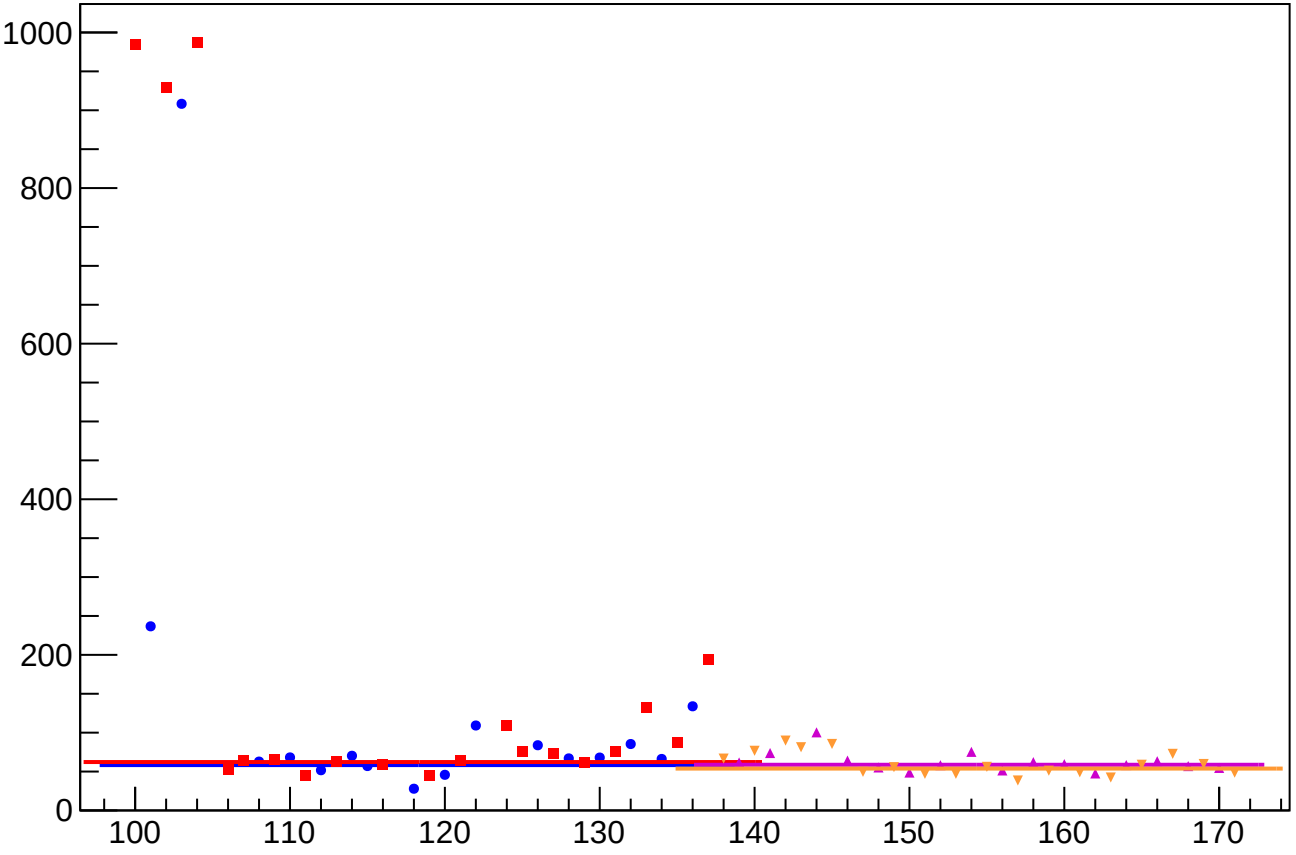
Left In: -0.009+/-0.018 χ^2/NDF:10.9/15

+ sign 0.015+/-0.014 χ^2/NDF: 30.2/33

All: 0.009+/-0.010 χ^2/NDF: 63.4/68

- sign 0.001+/-0.015 χ^2/NDF: 32.6/34

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.817+/-0.011 χ^2/NDF:1074240.3/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

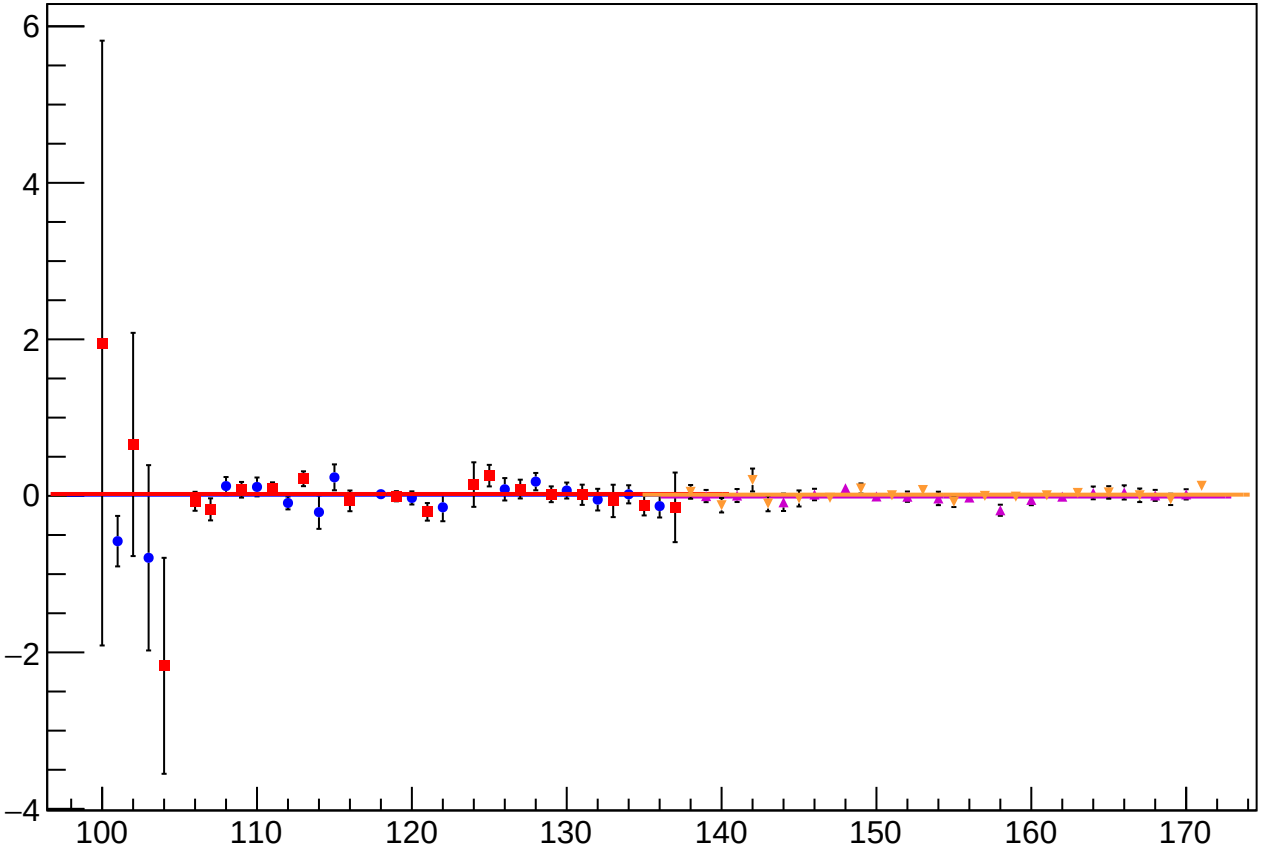
Left In: 58.720+/-0.013 χ^2/NDF:624586.3/15

+ sign 54.959+/-0.010 χ^2/NDF: 4373637.7/33

All: 57.185+/-0.007 χ^2/NDF: 7755564.4/68

- sign 59.723+/-0.011 χ^2/NDF: 3274089.4/34

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: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: 0.024+/-0.028 χ^2/NDF: 20.8/18

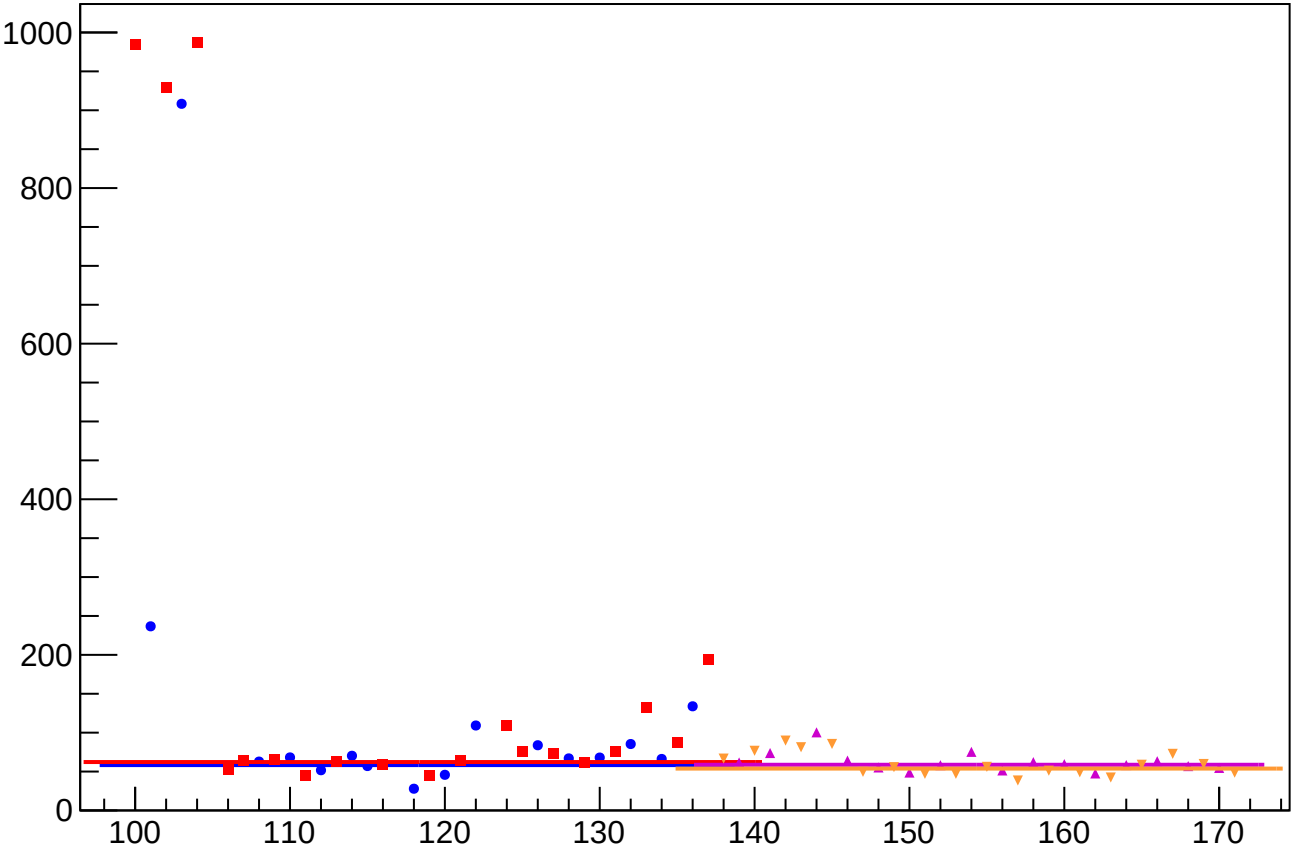
Left In: -0.009+/-0.018 χ^2/NDF:10.9/15

+ sign 0.015+/-0.014 χ^2/NDF: 30.2/33

All: 0.009+/-0.010 χ^2/NDF: 63.4/68

- sign 0.001+/-0.015 χ^2/NDF: 32.6/34

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: 53.817+/-0.011 χ^2/NDF:1074240.3/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

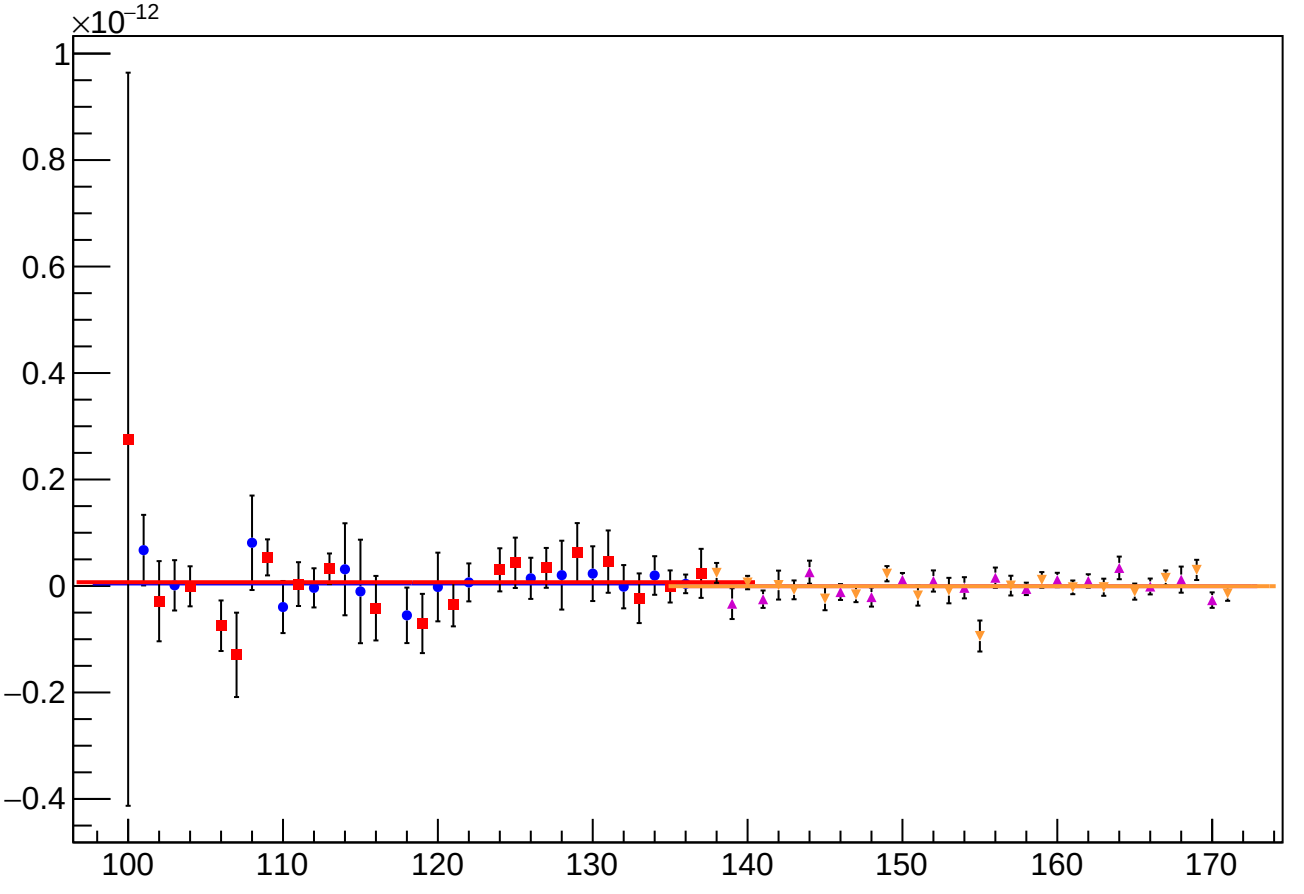
Left In: 58.720+/-0.013 χ^2/NDF:624586.3/15

\+ sign 54.959+/-0.010 χ^2/NDF: 4373637.7/33

All: 57.185+/-0.007 χ^2/NDF: 7755564.4/68

\- sign 59.723+/-0.011 χ^2/NDF: 3274089.4/34

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:24.5/17

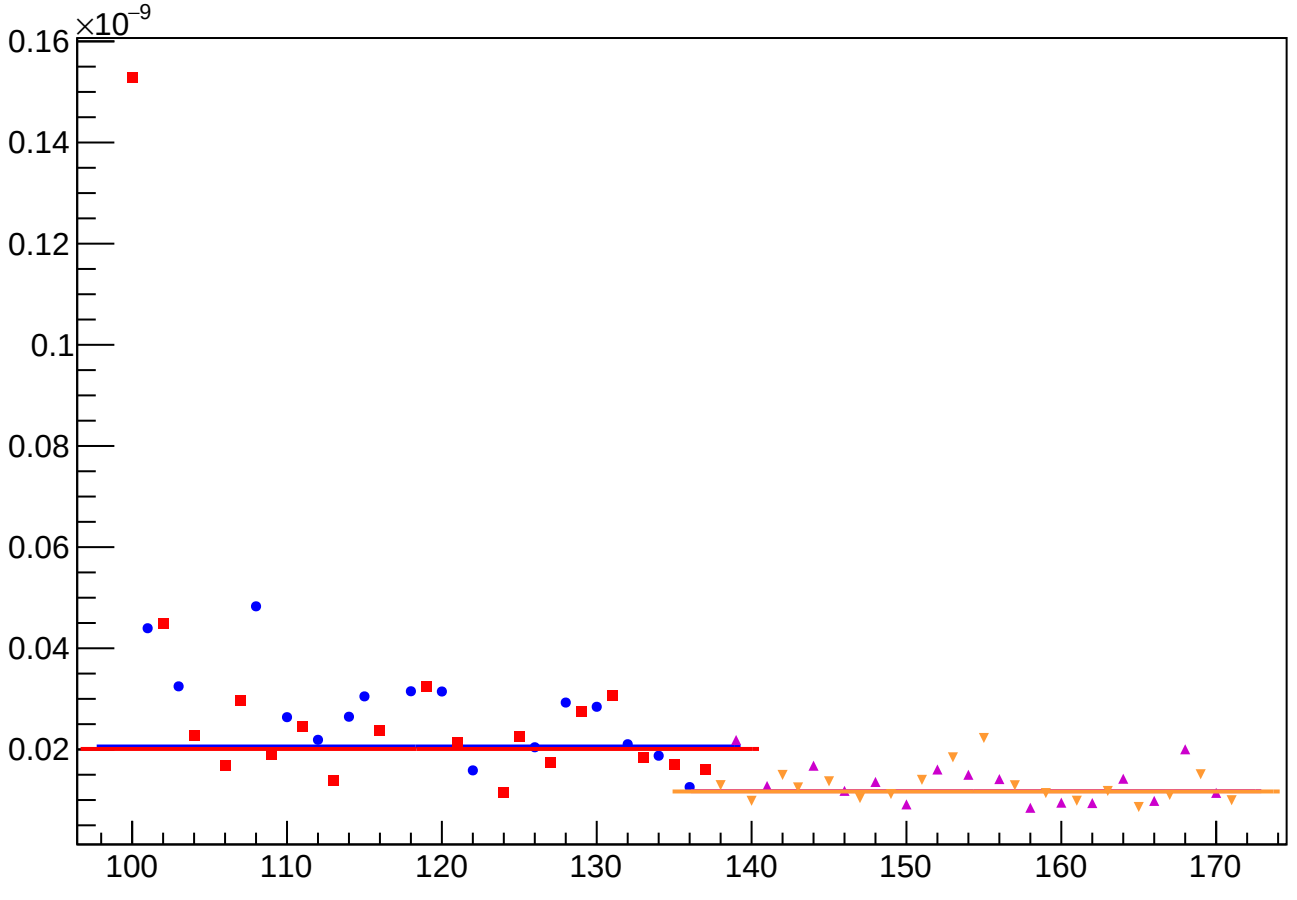
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/33

All: 0.000+/-0.000 χ^2/NDF: 62.0/68

- sign 0.000+/-0.000 χ^2/NDF: 32.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:805750.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

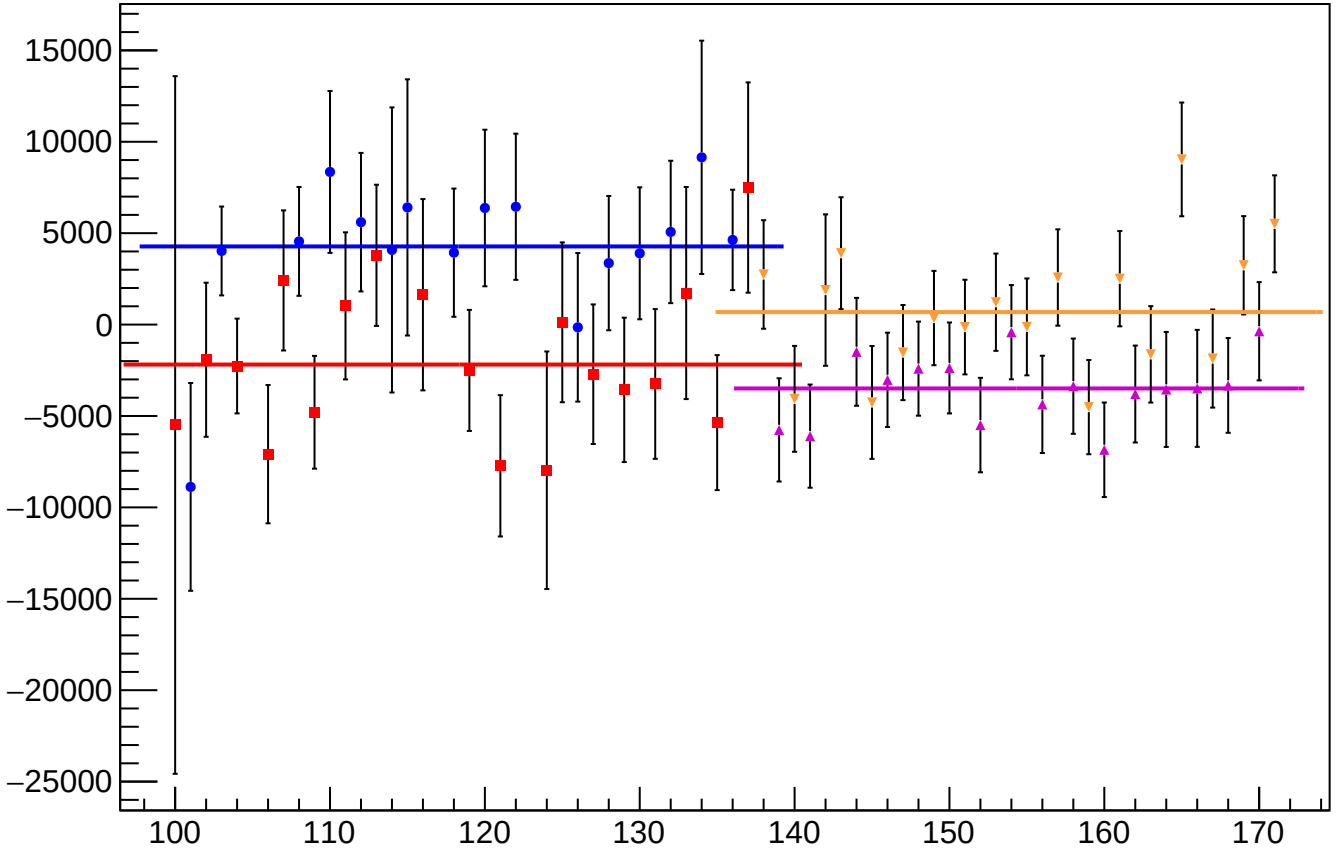
Left In: 0.000+/-0.000 χ^2/NDF:1214005.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 3439956.4/33

All: 0.000+/-0.000 χ^2/NDF: 6637386.1/68

- sign 0.000+/-0.000 χ^2/NDF: 3196595.1/34

reg_asym_atr2_mean vs Slug



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 684.430+/-653.462 χ^2/NDF:26.1/17

Right Out: -2186.264+/-922.104 χ^2/NDF: 14.8/18

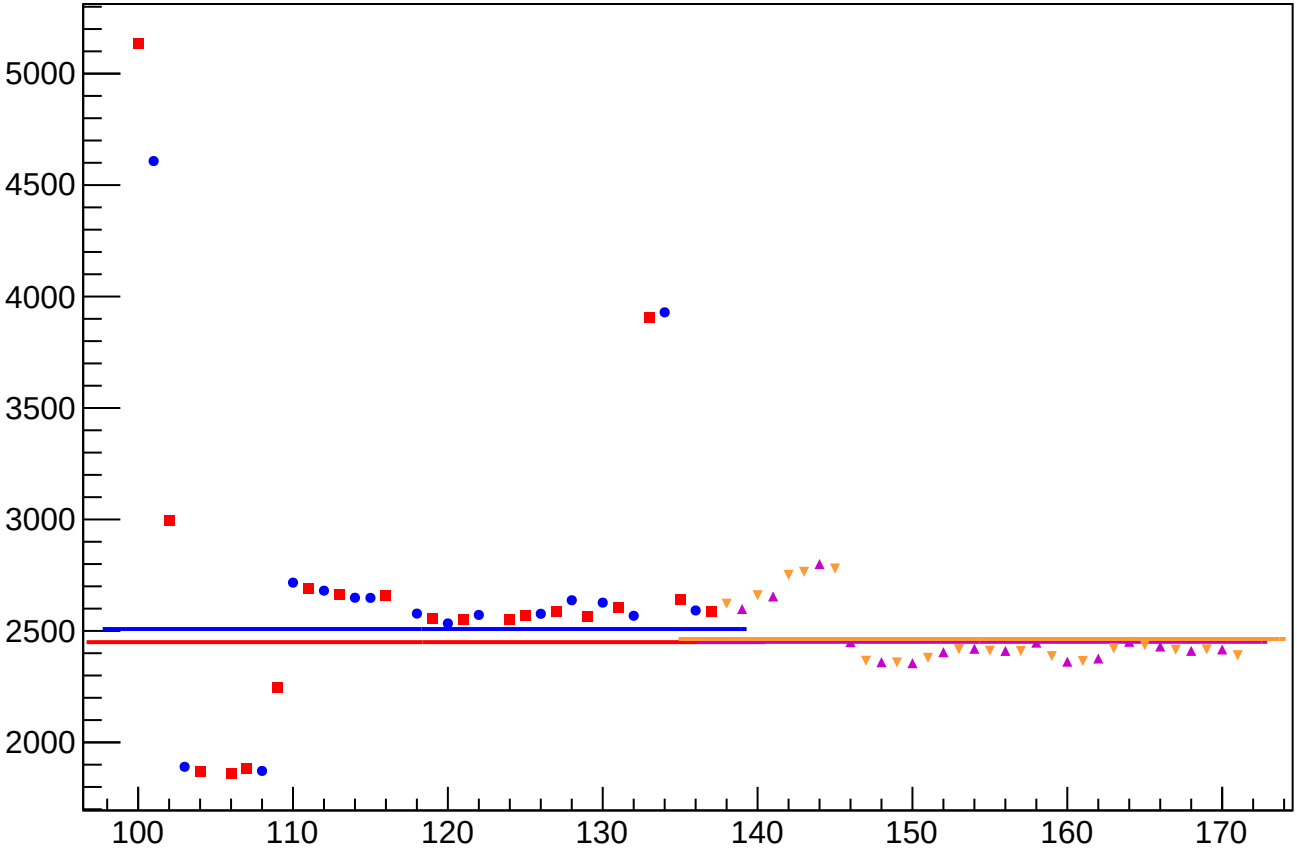
Left In: -3493.944+/-674.833 χ^2/NDF:7.6/15

+ sign 1834.237+/-538.746 χ^2/NDF: 44.6/33

All: -575.586+/-382.996 χ^2/NDF: 108.7/68

- sign -3037.845+/-544.576 χ^2/NDF: 23.7/34

reg_asym_atr2_rms vs Slug



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

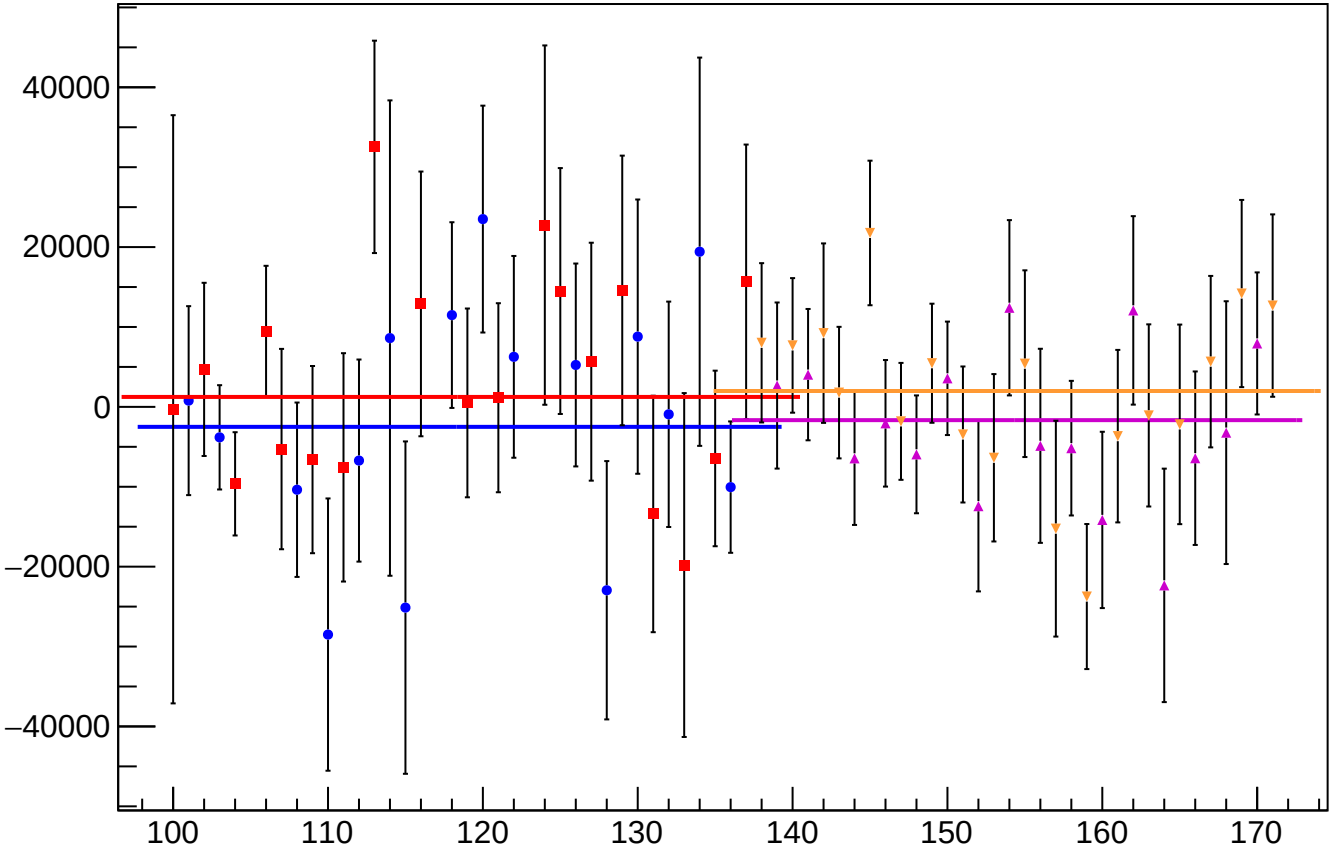
Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

+ sign 2478.127+/-0.381 χ^2/NDF: 698012.2/33

All: 2464.526+/-0.271 χ^2/NDF: 1193054.5/68

- sign 2450.630+/-0.385 χ^2/NDF: 492465.3/34

asym_atr2_reg_correction_mean vs Slug



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1986.441+/-2294.668 χ^2/NDF:19.8/17

Right Out: 1244.352+/-2852.739 χ^2/NDF: 16.6/18

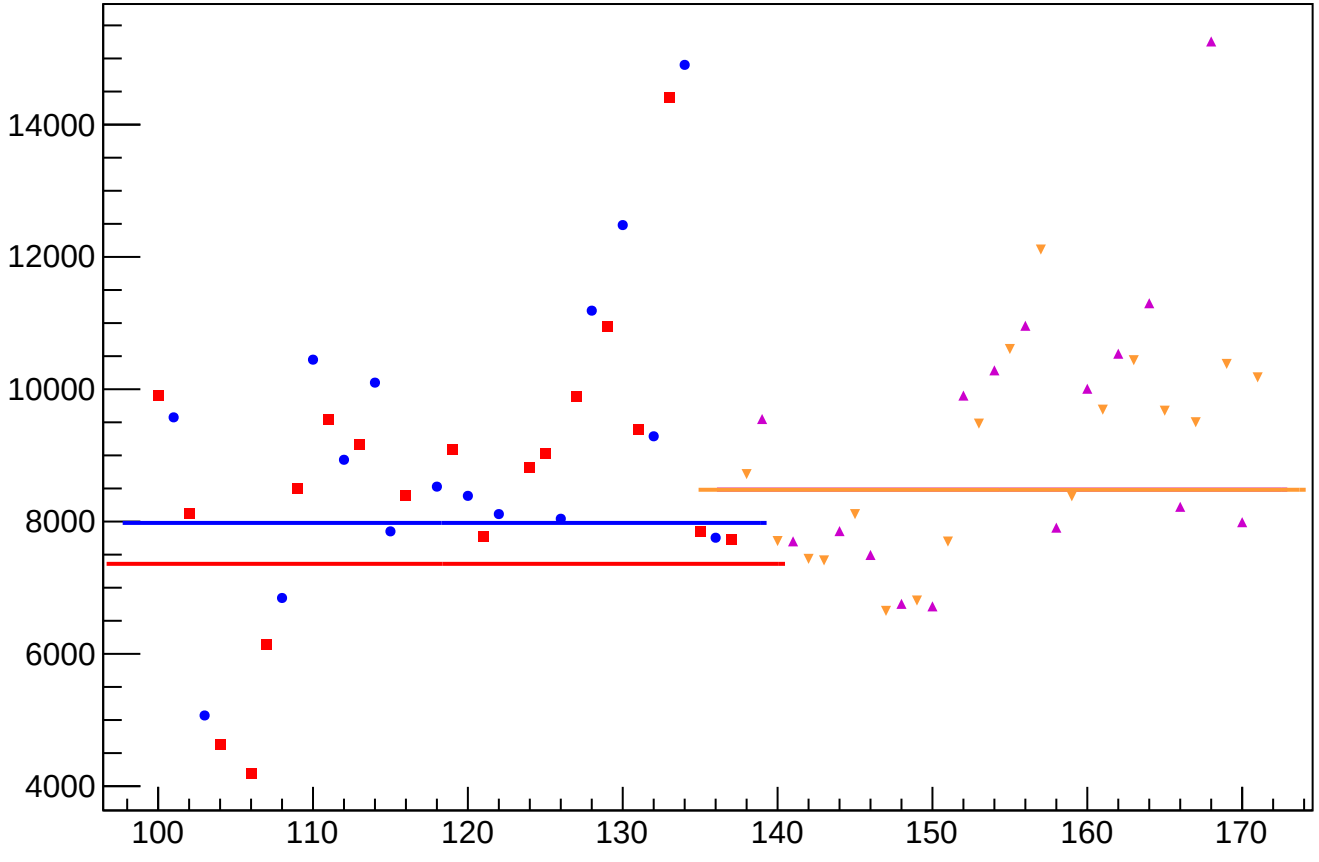
Left In: -1661.961+/-2387.139 χ^2/NDF:10.8/15

+ sign 381.889+/-1839.178 χ^2/NDF: 35.0/33

All: -43.518+/-1297.500 χ^2/NDF: 63.0/68

- sign -465.028+/-1830.736 χ^2/NDF: 28.0/34

asym_atr2_reg_correction_rms vs Slug



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8480.640+/-1.623 χ^2/NDF:762255.8/17

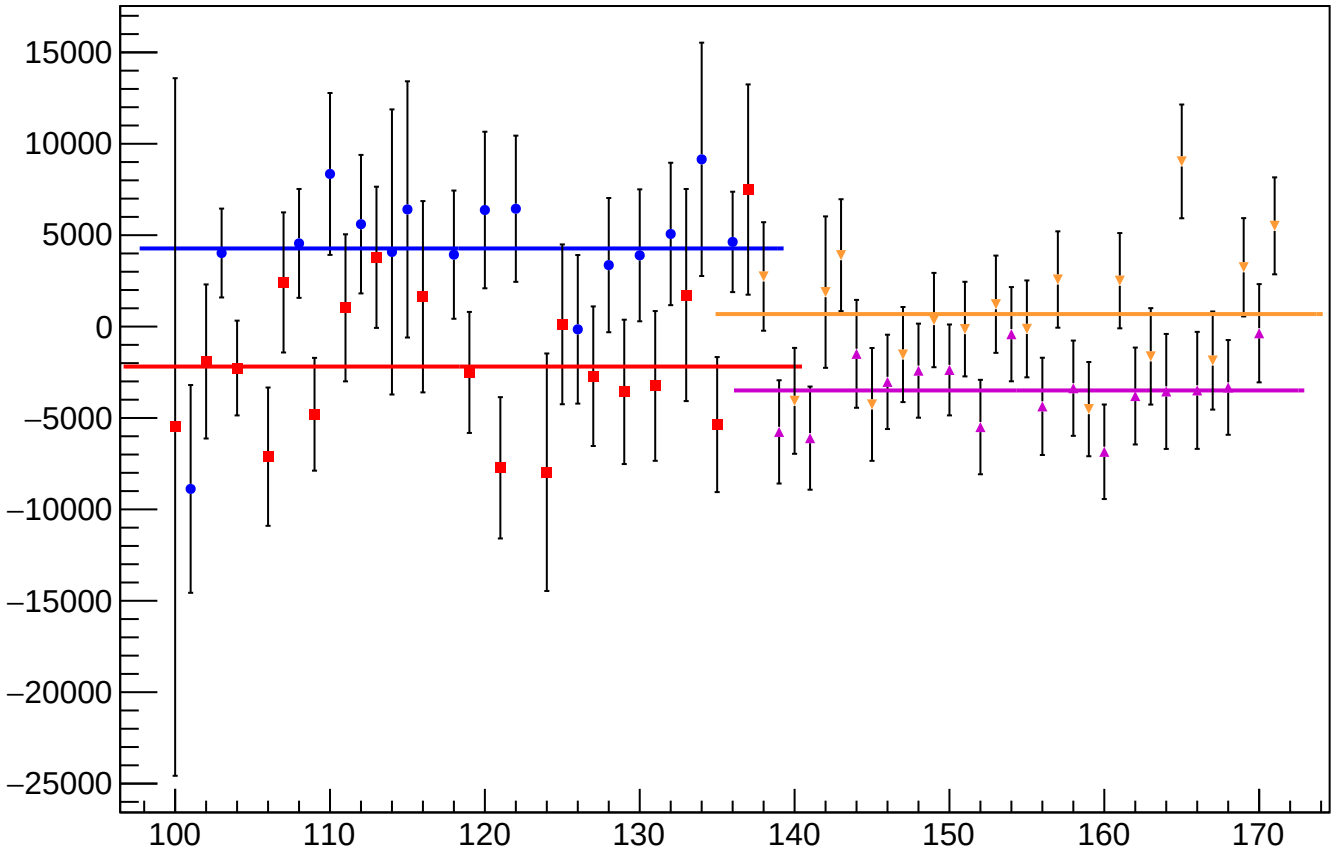
Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8483.102+/-1.688 χ^2/NDF:1016581.3/15

+ sign 8301.430+/-1.300 χ^2/NDF: 1719452.9/33

All: 8160.504+/-0.917 χ^2/NDF: 4227502.1/68

- sign 8020.870+/-1.295 χ^2/NDF: 2484671.8/34



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 684.193+/-653.462 χ^2/NDF:26.1/17

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

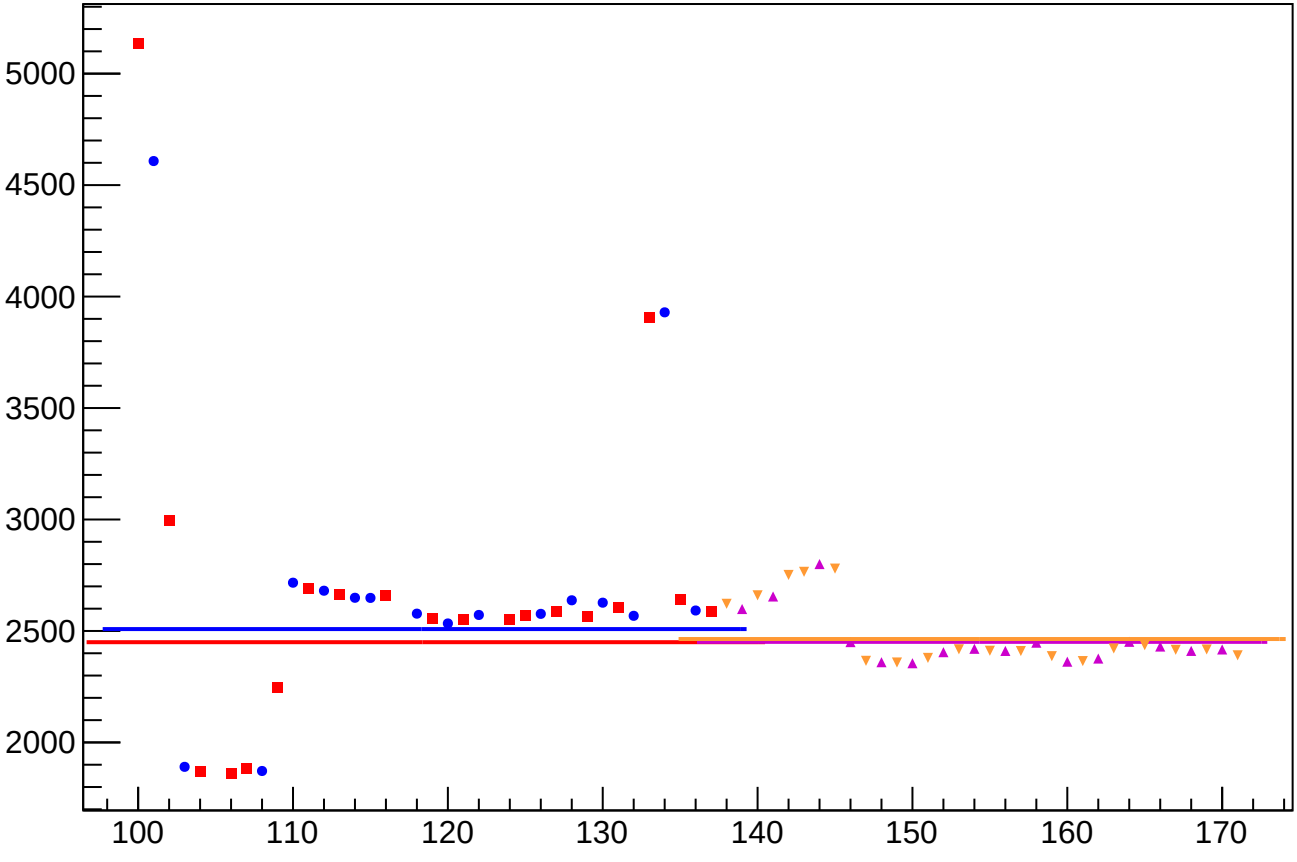
Left In: -3493.854+/-674.833 χ^2/NDF:7.6/15

+ sign 1833.918+/-538.746 χ^2/NDF: 44.6/33

All: -575.822+/-382.996 χ^2/NDF: 108.8/68

- sign -3038.009+/-544.577 χ^2/NDF: 23.7/34

cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

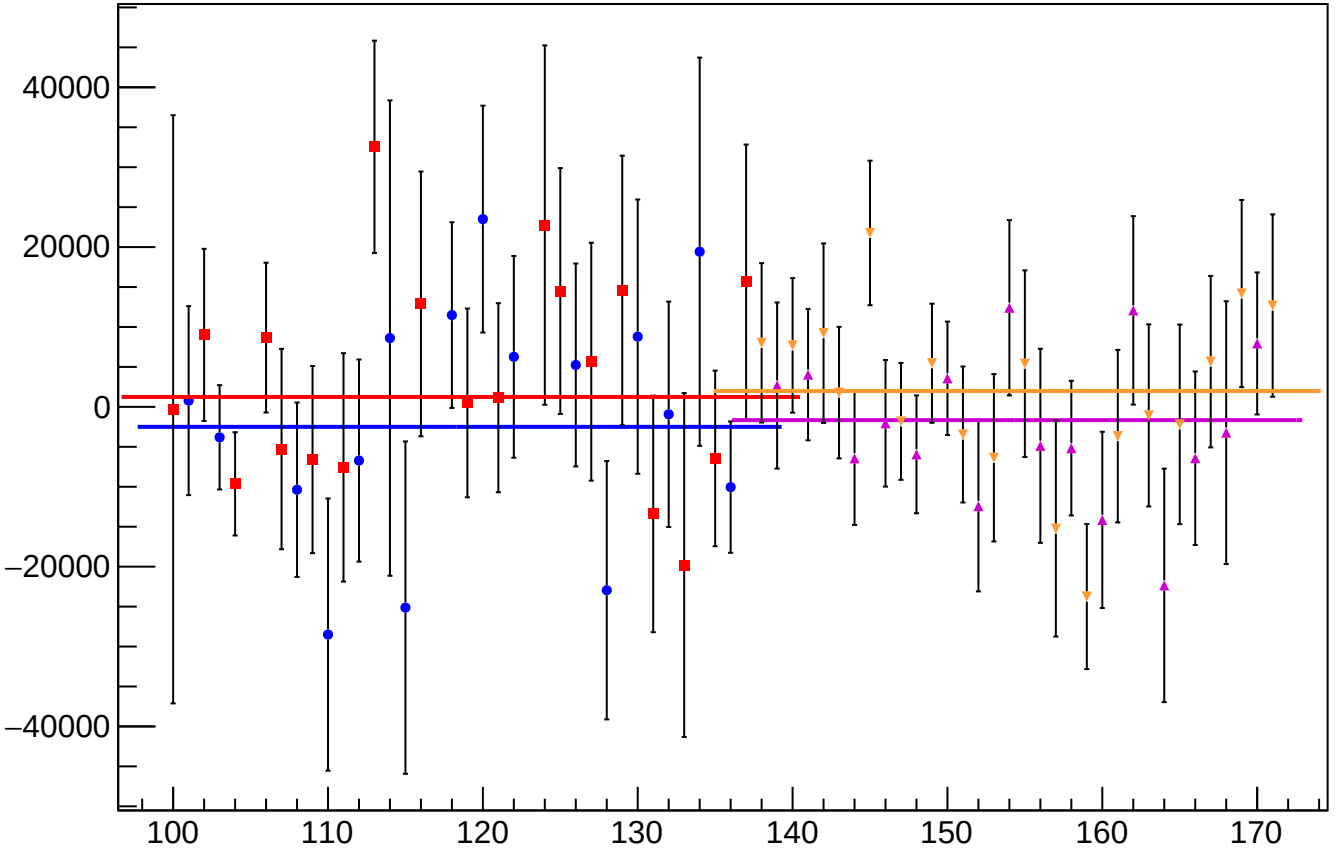
Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

+ sign 2478.127+/-0.381 χ^2/NDF: 698010.1/33

All: 2464.531+/-0.271 χ^2/NDF: 1192996.4/68

- sign 2450.638+/-0.385 χ^2/NDF: 492410.8/34

asym_atr2_cor_correction_mean vs Slug



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1986.422+/-2294.664 χ^2/NDF:19.8/17

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

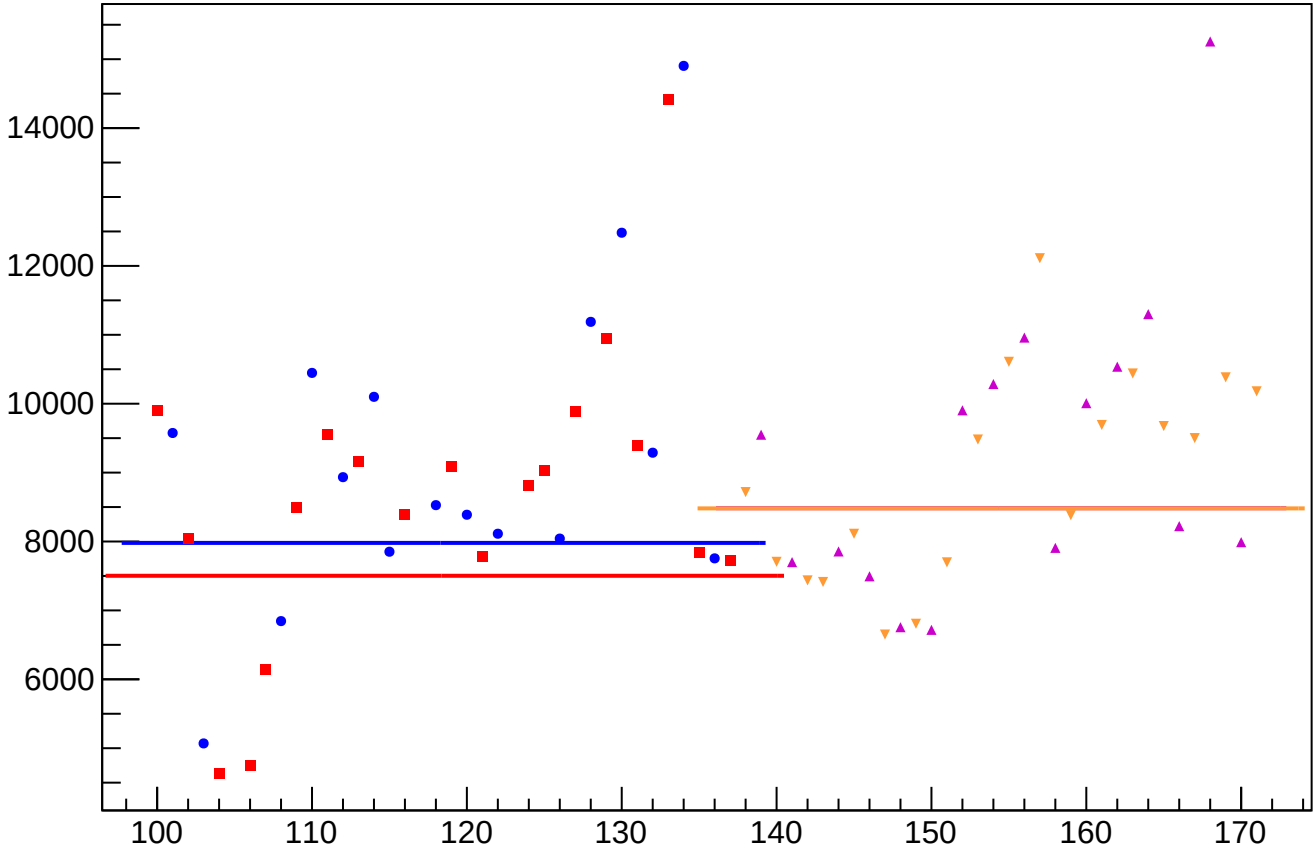
Left In: -1662.033+/-2387.138 χ^2/NDF:10.8/15

+ sign 382.019+/-1839.195 χ^2/NDF: 35.0/33

All: -51.870+/-1301.274 χ^2/NDF: 63.1/68

- sign -486.783+/-1841.365 χ^2/NDF: 28.0/34

asym_atr2_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8480.624+/-1.623 χ^2/NDF:762260.5/17

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

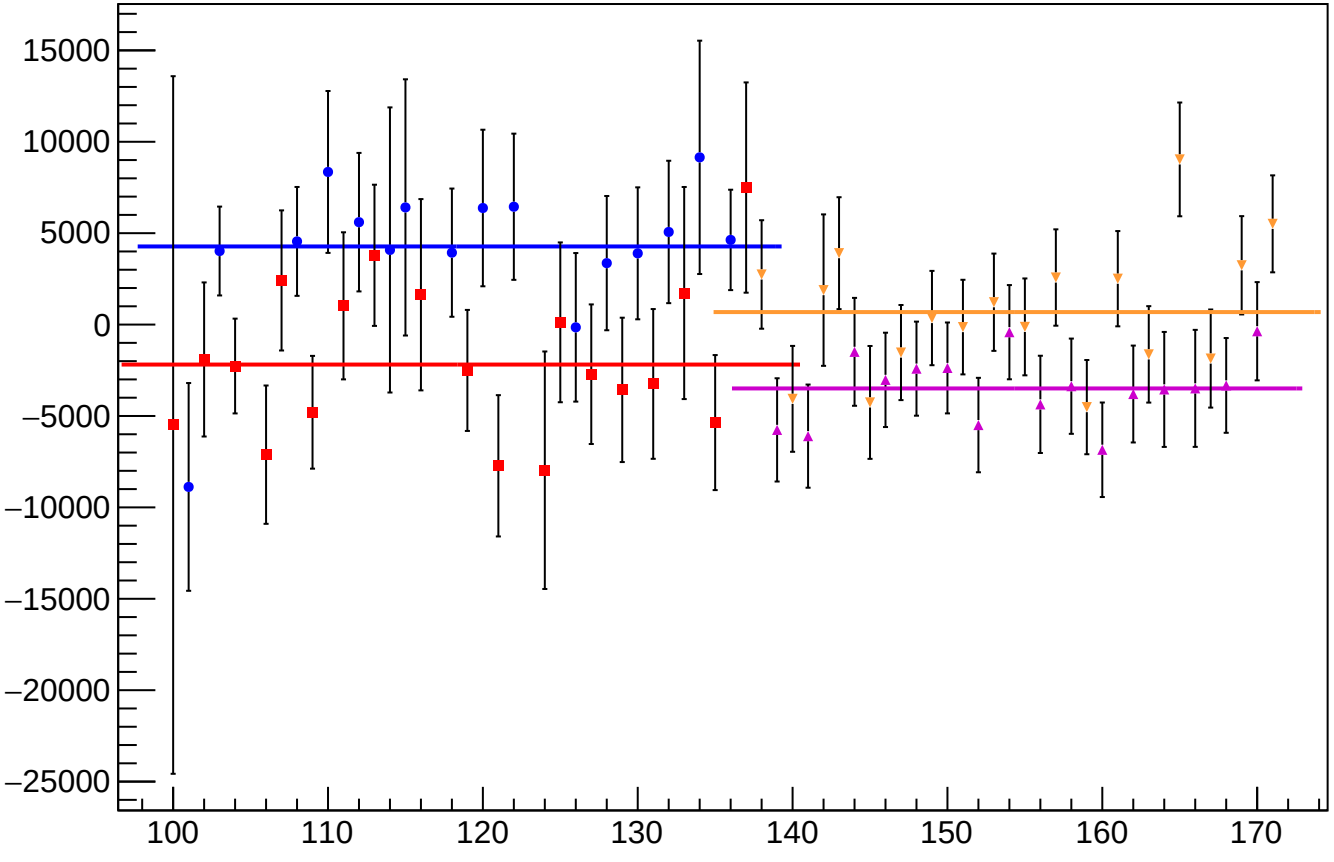
Left In: 8483.097+/-1.688 χ^2/NDF:1016584.1/15

+ sign 8301.542+/-1.301 χ^2/NDF: 1719111.7/33

All: 8193.919+/-0.920 χ^2/NDF: 4021559.1/68

- sign 8086.041+/-1.302 χ^2/NDF: 2288734.4/34

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 684.193+/-653.462 χ^2/NDF:26.1/17

Right Out: -2186.887+/-922.111 χ^2/NDF: 14.8/18

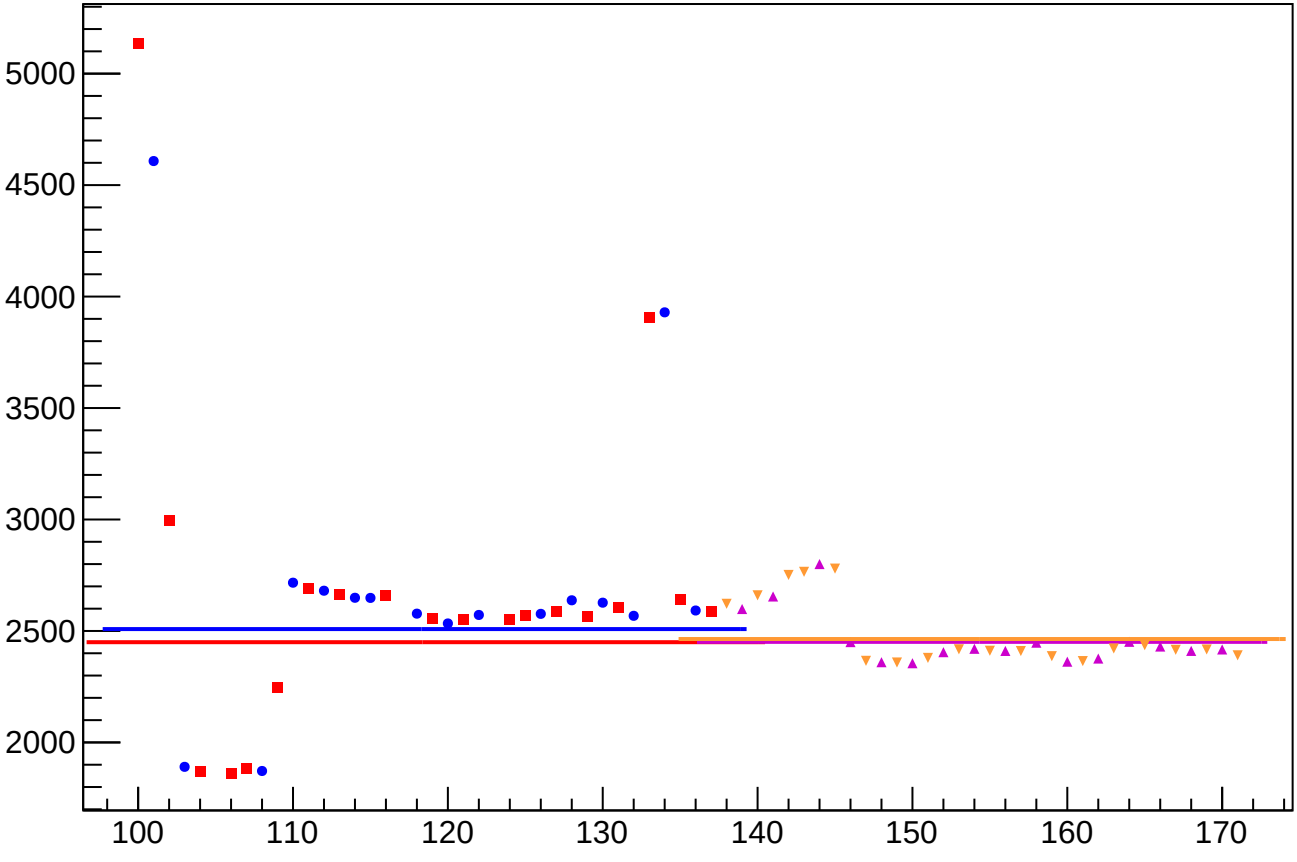
Left In: -3493.854+/-674.833 χ^2/NDF:7.6/15

+ sign 1833.918+/-538.746 χ^2/NDF: 44.6/33

All: -575.822+/-382.996 χ^2/NDF: 108.8/68

- sign -3038.009+/-544.577 χ^2/NDF: 23.7/34

eigen_cor_asym_atr2_rms vs Slug



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

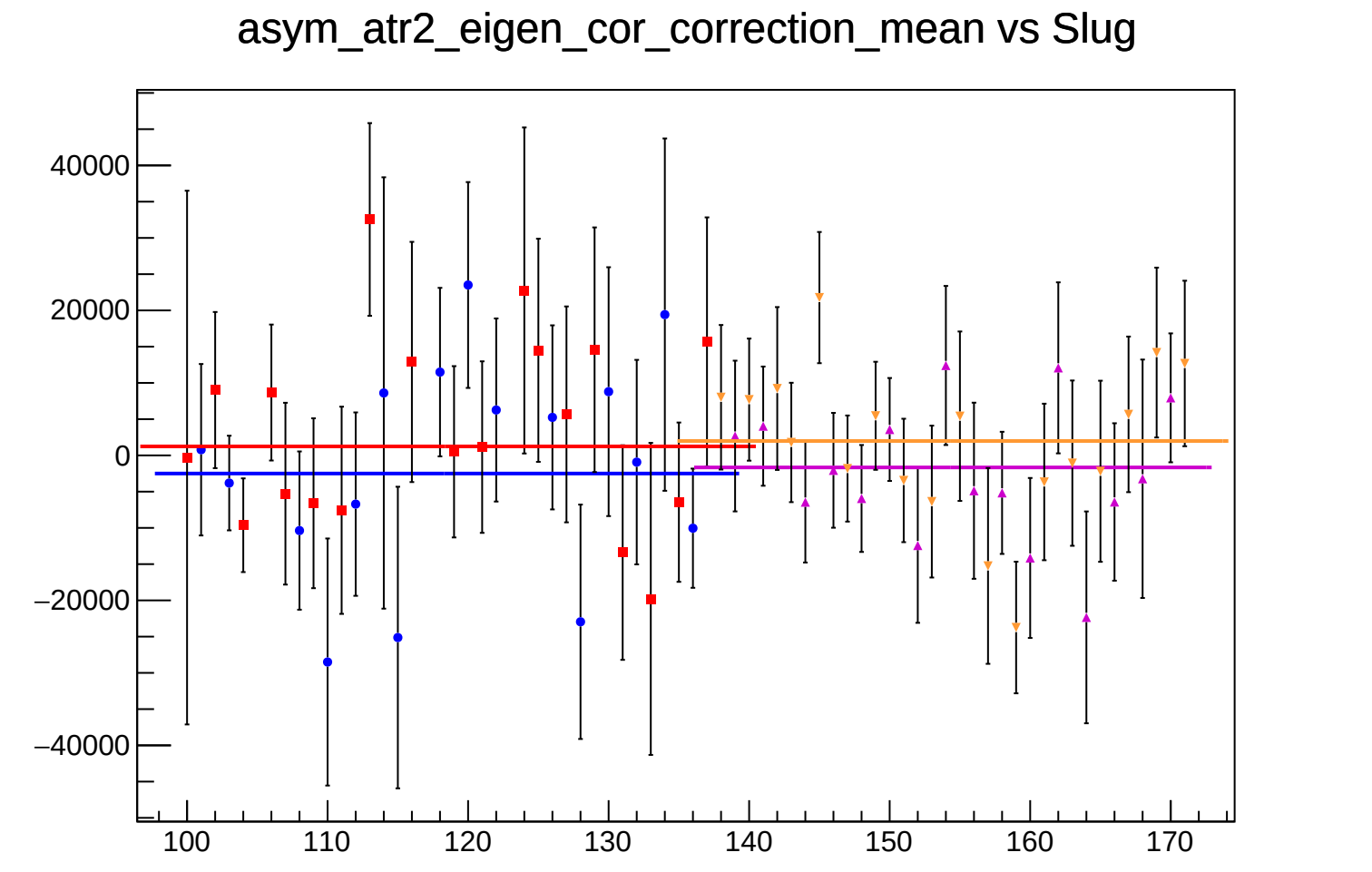
Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2451.169+/-0.477 χ^2/NDF:55560.6/15

+ sign 2478.127+/-0.381 χ^2/NDF: 698010.1/33

All: 2464.531+/-0.271 χ^2/NDF: 1192996.4/68

- sign 2450.638+/-0.385 χ^2/NDF: 492410.8/34



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1986.422+/-2294.664 χ^2/NDF:19.8/17

Right Out: 1239.896+/-2893.464 χ^2/NDF: 16.6/18

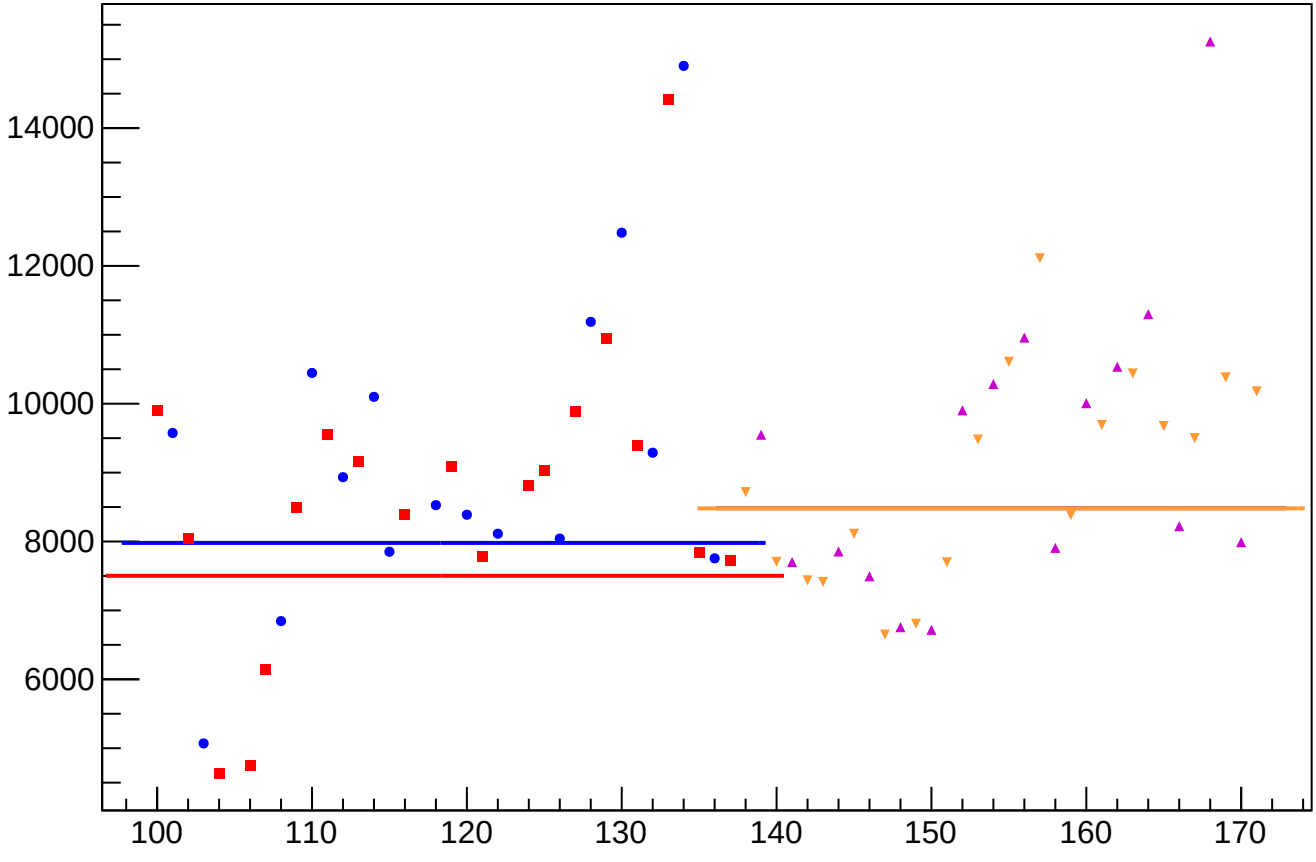
Left In: -1662.033+/-2387.138 χ^2/NDF:10.8/15

+ sign 382.019+/-1839.195 χ^2/NDF: 35.0/33

All: -51.870+/-1301.274 χ^2/NDF: 63.1/68

- sign -486.783+/-1841.365 χ^2/NDF: 28.0/34

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8480.624+/-1.623 χ^2/NDF:762260.5/17

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

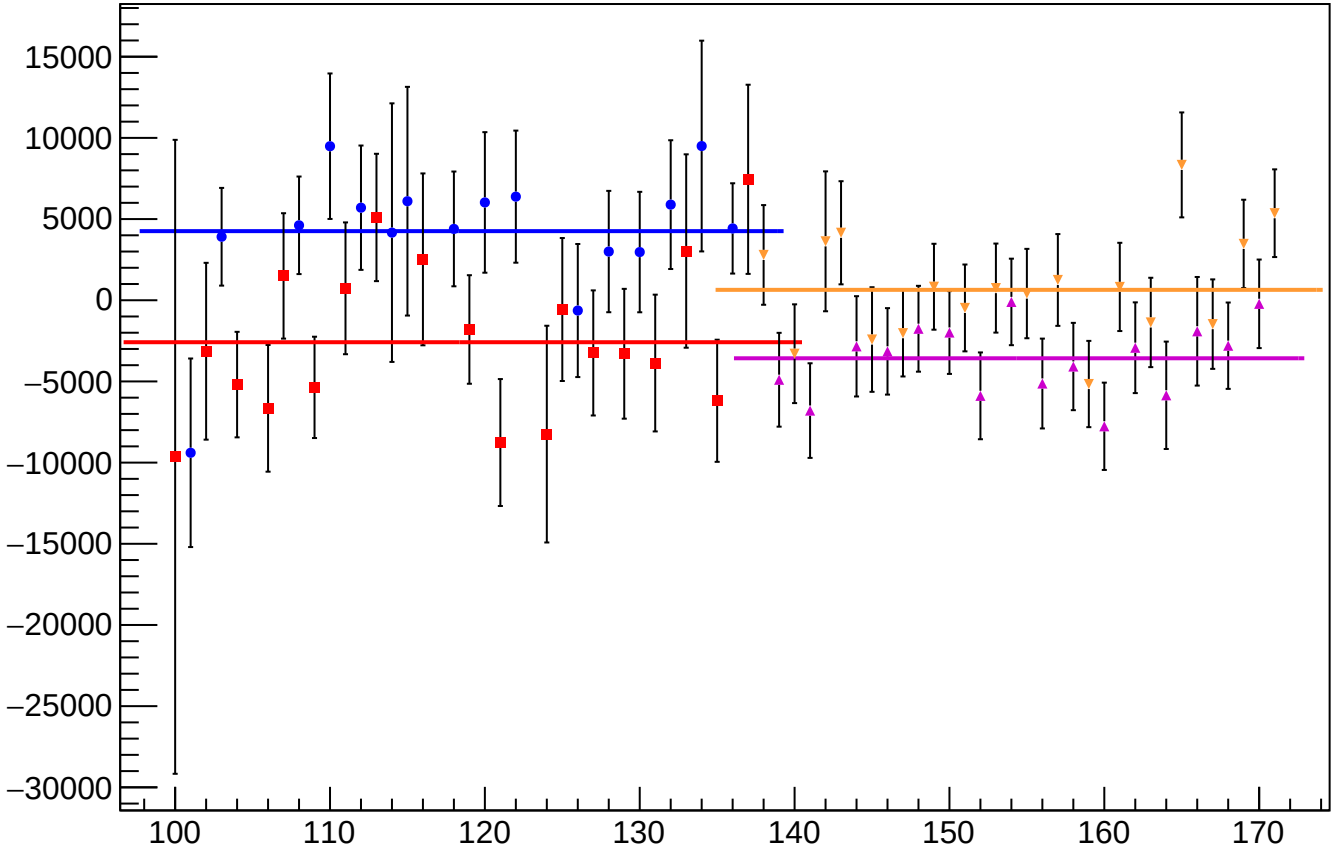
Left In: 8483.097+/-1.688 χ^2/NDF:1016584.1/15

+ sign 8301.542+/-1.301 χ^2/NDF: 1719111.7/33

All: 8193.919+/-0.920 χ^2/NDF: 4021559.1/68

- sign 8086.041+/-1.302 χ^2/NDF: 2288734.4/34

dit_asym_atr2_mean vs Slug



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 640.752+/-676.349 χ^2/NDF:21.7/17

Right Out: -2584.689+/-966.049 χ^2/NDF: 17.6/18

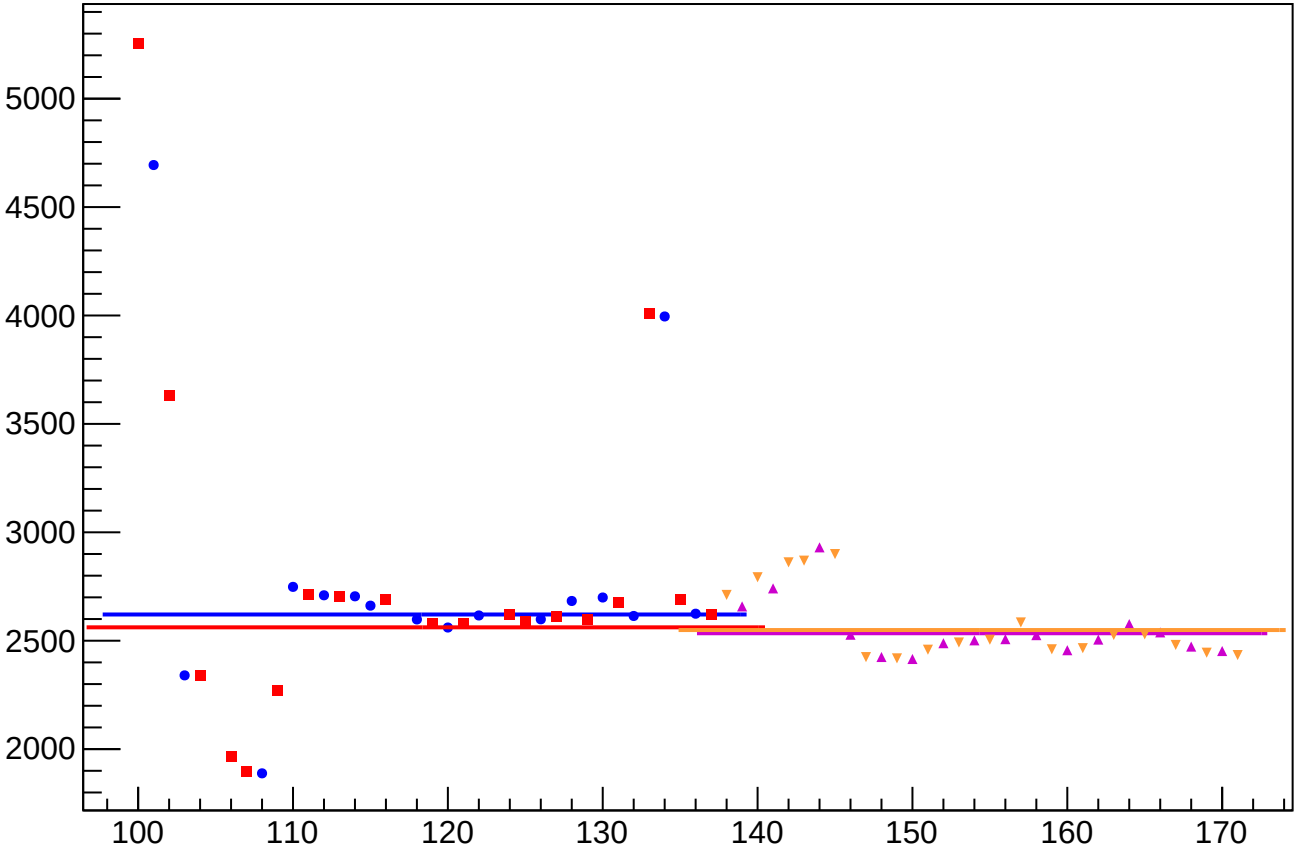
Left In: -3574.104+/-697.899 χ^2/NDF:10.0/15

+ sign 1790.627+/-558.561 χ^2/NDF: 40.8/33

All: -690.102+/-397.468 χ^2/NDF: 109.1/68

- sign -3234.807+/-565.717 χ^2/NDF: 28.3/34

dit_asym_atr2_rms vs Slug



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2549.188+/-0.478 χ^2/NDF:98327.5/17

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

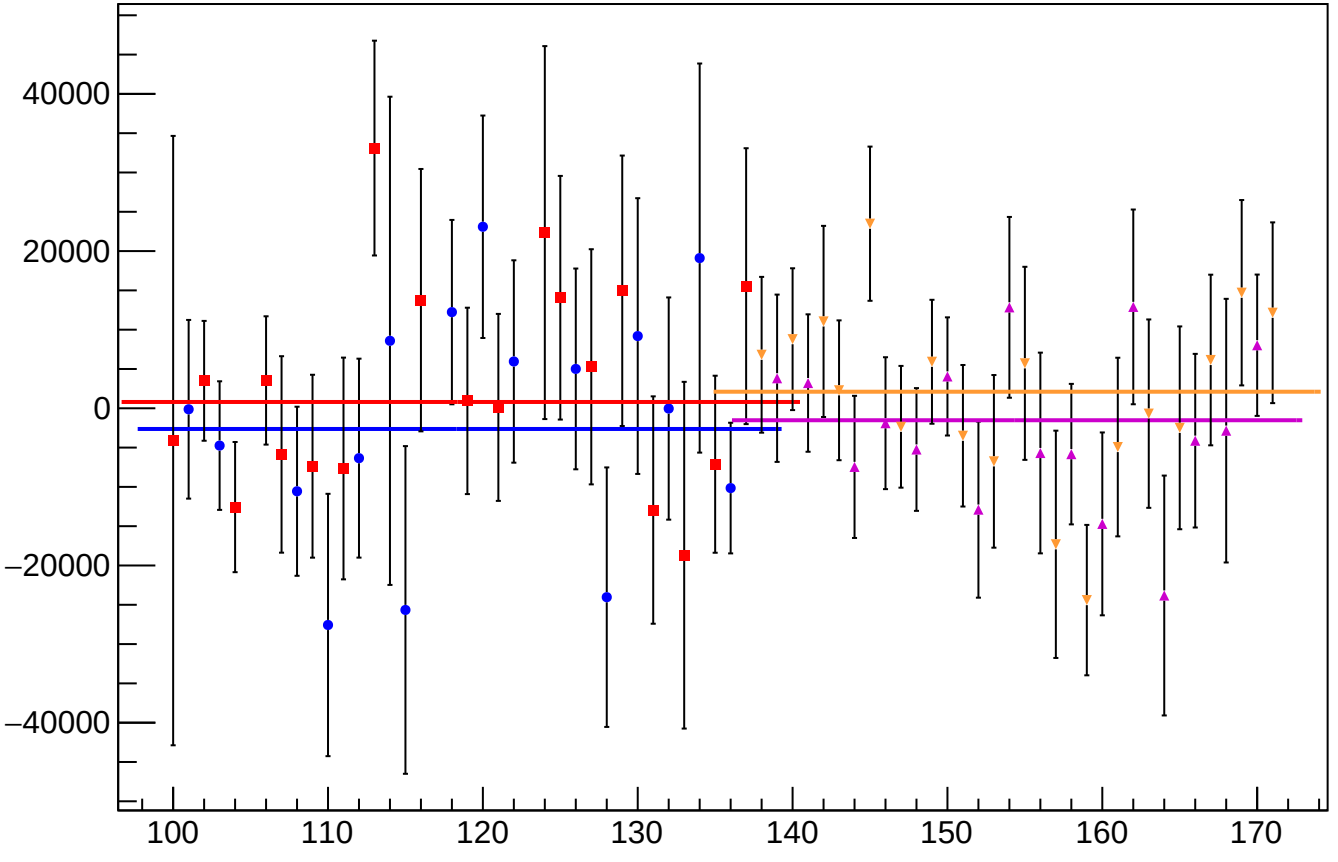
Left In: 2534.458+/-0.493 χ^2/NDF:60661.7/15

+ sign 2572.011+/-0.395 χ^2/NDF: 591403.7/33

All: 2558.089+/-0.281 χ^2/NDF: 1033888.6/68

- sign 2543.814+/-0.400 χ^2/NDF: 439968.4/34

asym_atr2_dit_correction_mean vs Slug



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 2108.383+/-2411.611 χ^2/NDF:19.8/17

Right Out: 802.880+/-2872.934 χ^2/NDF: 15.4/18

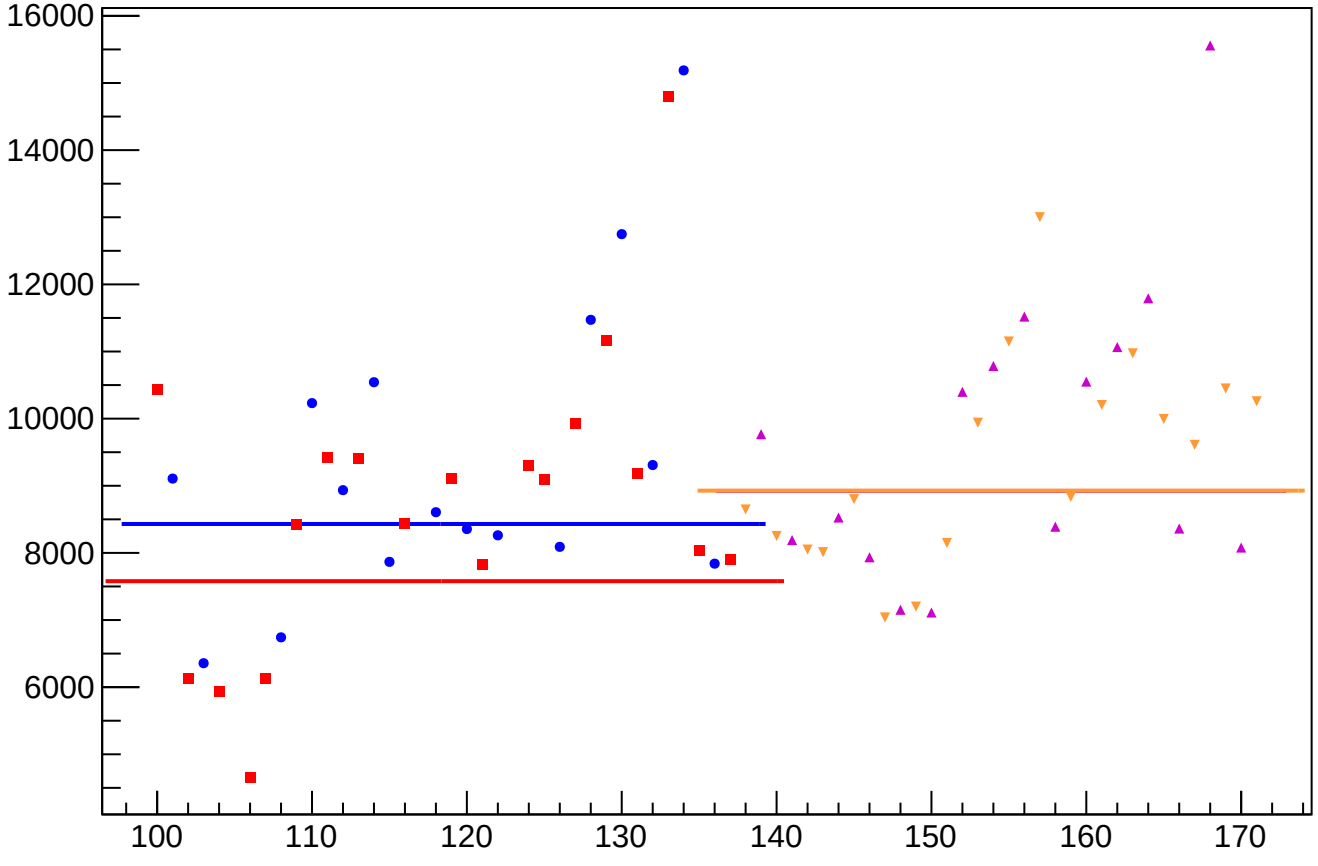
Left In: -1521.036+/-2508.277 χ^2/NDF:10.6/15

+ sign 399.171+/-1928.429 χ^2/NDF: 35.0/33

All: -67.669+/-1349.622 χ^2/NDF: 61.6/68

- sign -515.839+/-1889.475 χ^2/NDF: 26.4/34

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8927.570+/-1.705 χ^2/NDF:681314.1/17

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

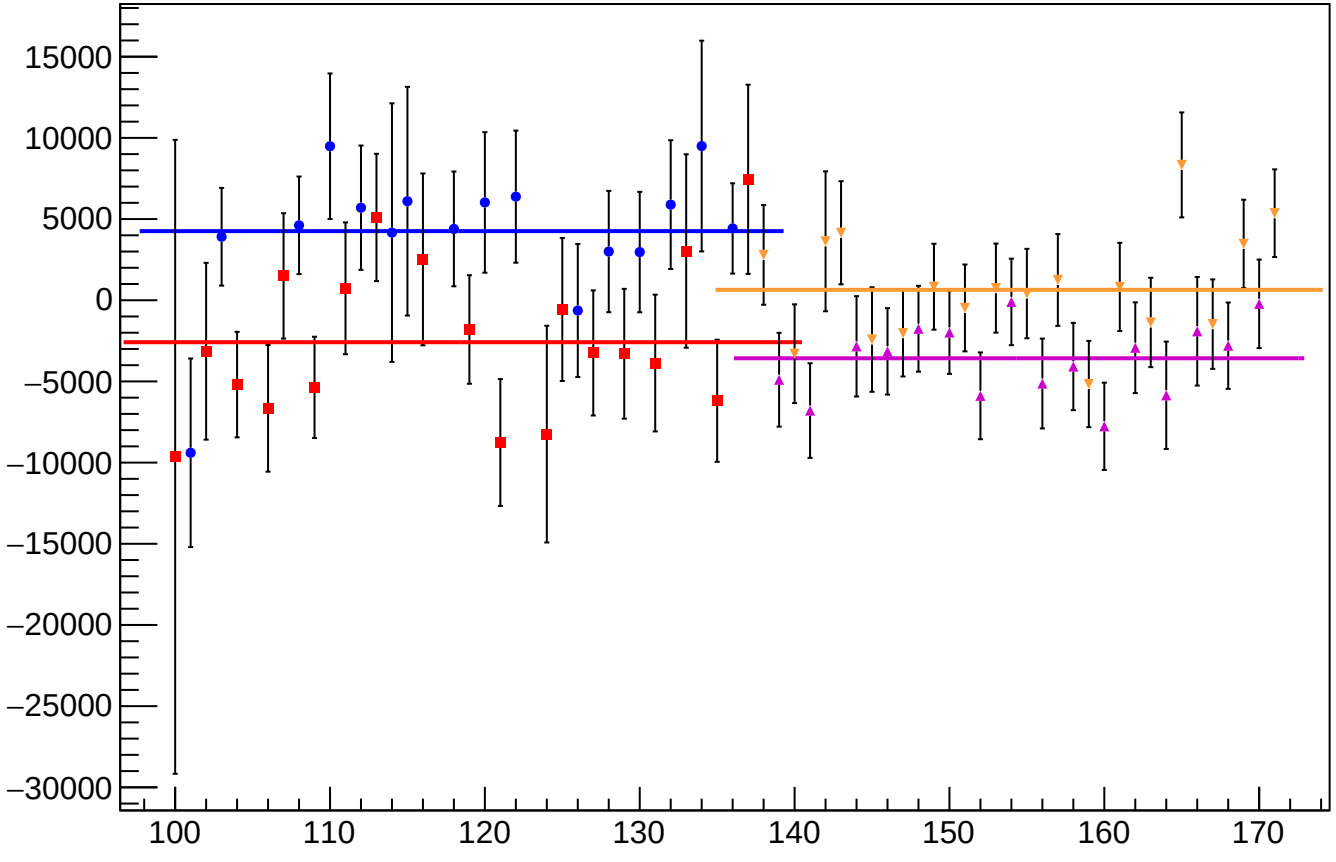
Left In: 8922.771+/-1.774 χ^2/NDF:959702.8/15

+ sign 8748.438+/-1.364 χ^2/NDF: 1292212.8/33

All: 8540.858+/-0.954 χ^2/NDF: 3519712.7/68

- sign 8341.578+/-1.336 χ^2/NDF: 2182079.1/34

eigen_dit_asym_atr2_mean vs Slug



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 640.740+/-676.349 χ^2/NDF:21.7/17

Right Out: -2584.699+/-966.048 χ^2/NDF: 17.6/18

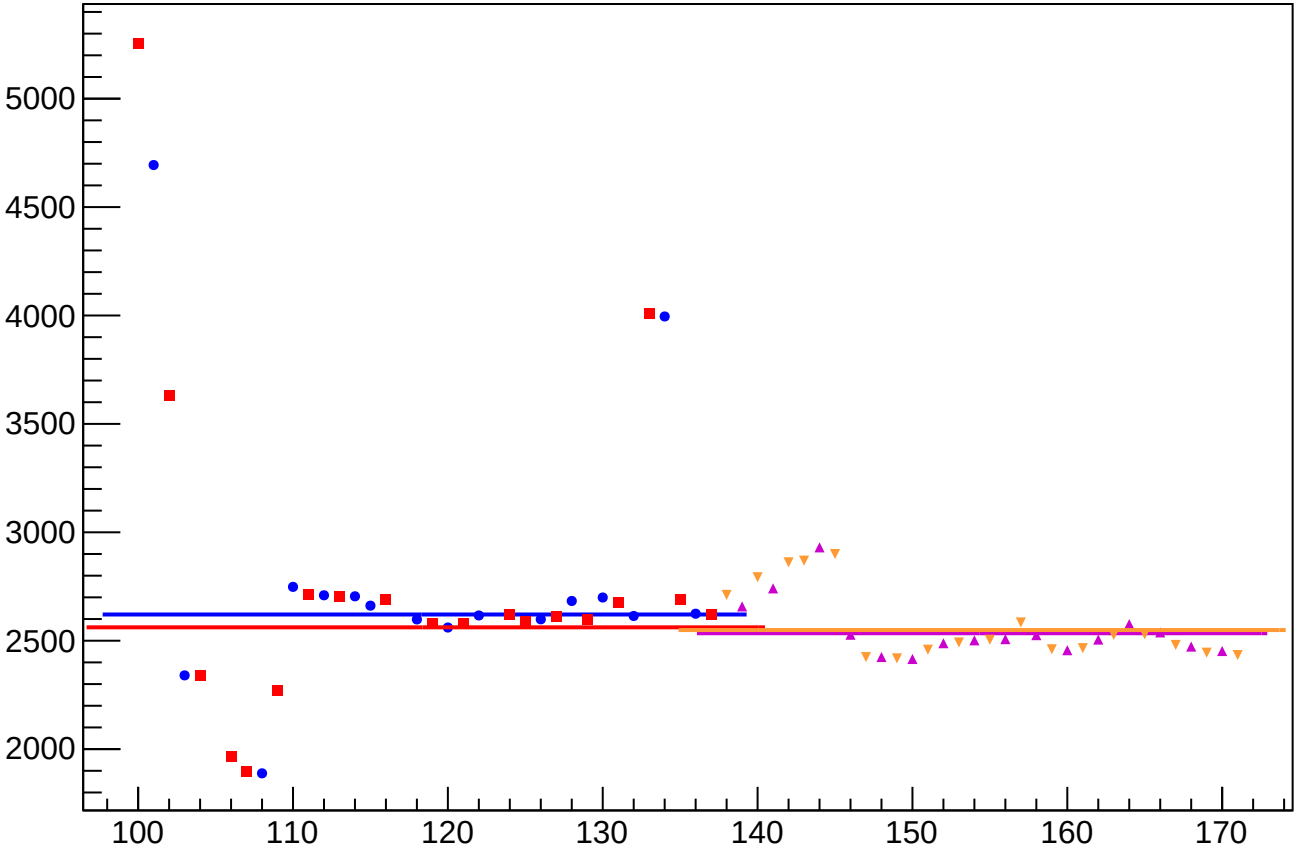
Left In: -3574.109+/-697.899 χ^2/NDF:10.0/15

+ sign 1790.623+/-558.561 χ^2/NDF: 40.8/33

All: -690.108+/-397.468 χ^2/NDF: 109.1/68

- sign -3234.814+/-565.718 χ^2/NDF: 28.3/34

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2549.190+/-0.478 χ^2/NDF:98327.6/17

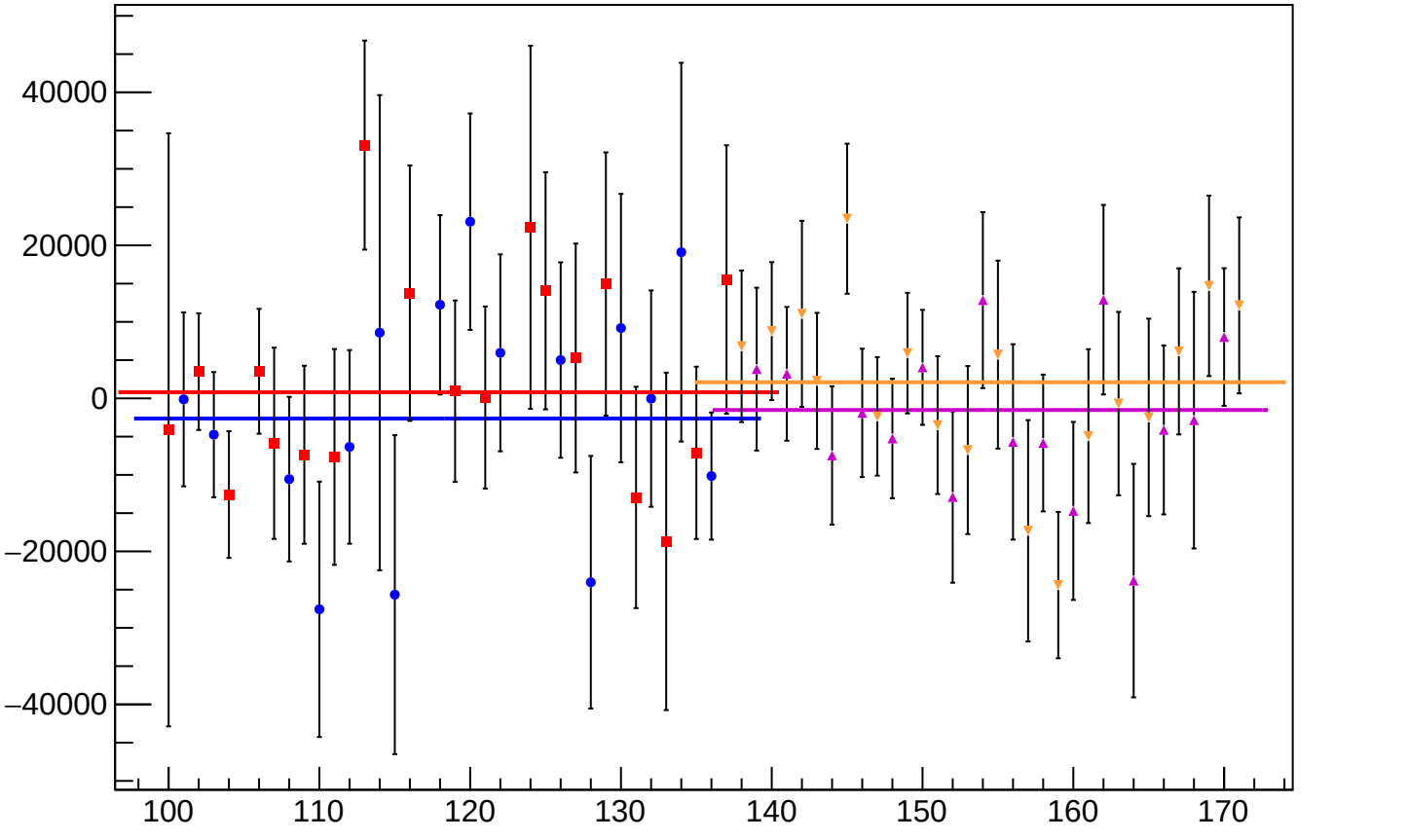
Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2534.461+/-0.493 χ^2/NDF:60661.4/15

+ sign 2572.012+/-0.395 χ^2/NDF: 591403.5/33

All: 2558.090+/-0.281 χ^2/NDF: 1033887.3/68

- sign 2543.815+/-0.400 χ^2/NDF: 439967.3/34



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 2108.380+/-2411.615 χ^2/NDF:19.8/17

Right Out: 802.875+/-2872.930 χ^2/NDF: 15.4/18

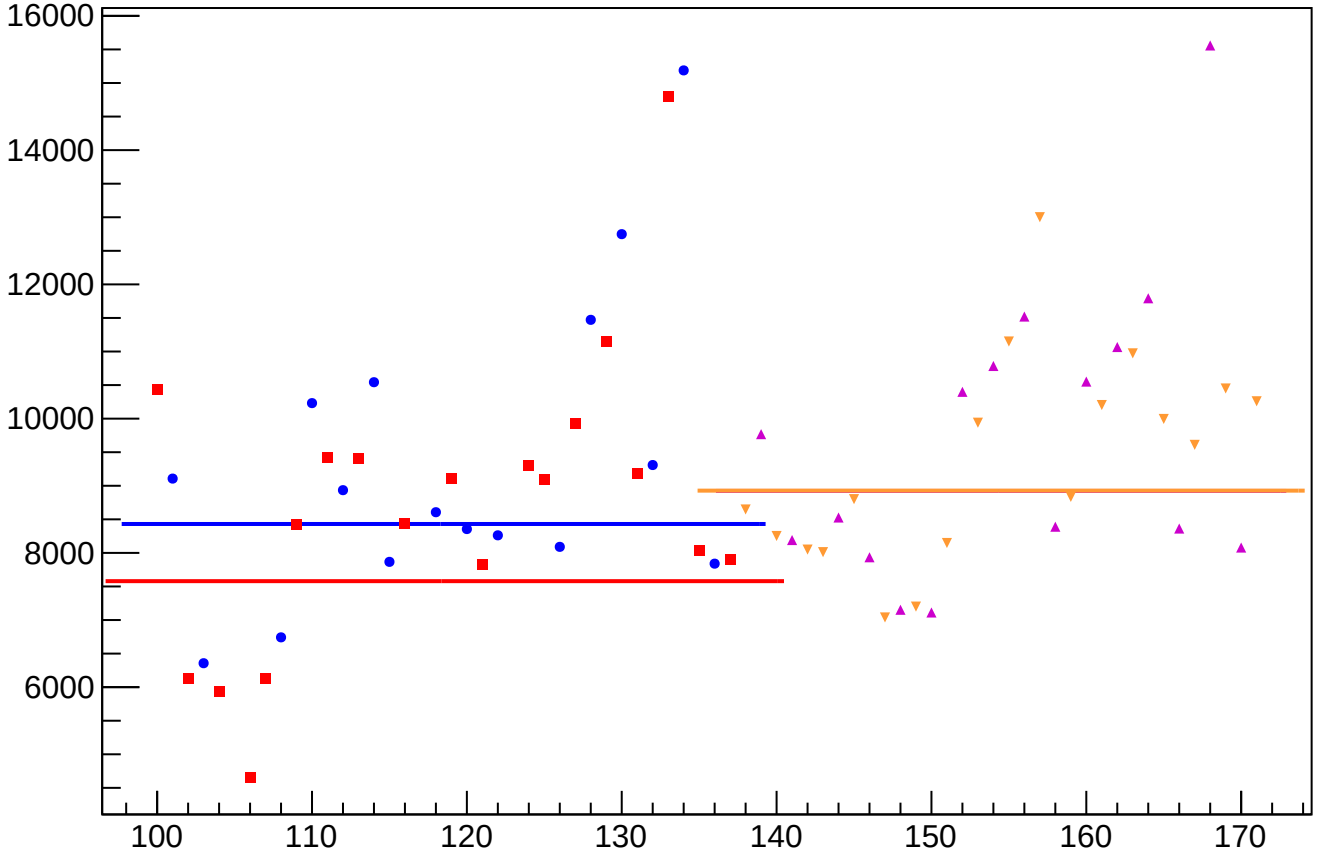
Left In: -1521.032+/-2508.280 χ^2/NDF:10.6/15

+ sign 399.175+/-1928.430 χ^2/NDF: 35.0/33

All: -67.665+/-1349.623 χ^2/NDF: 61.6/68

- sign -515.834+/-1889.476 χ^2/NDF: 26.4/34

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8927.584+/-1.705 χ^2/NDF:681314.1/17

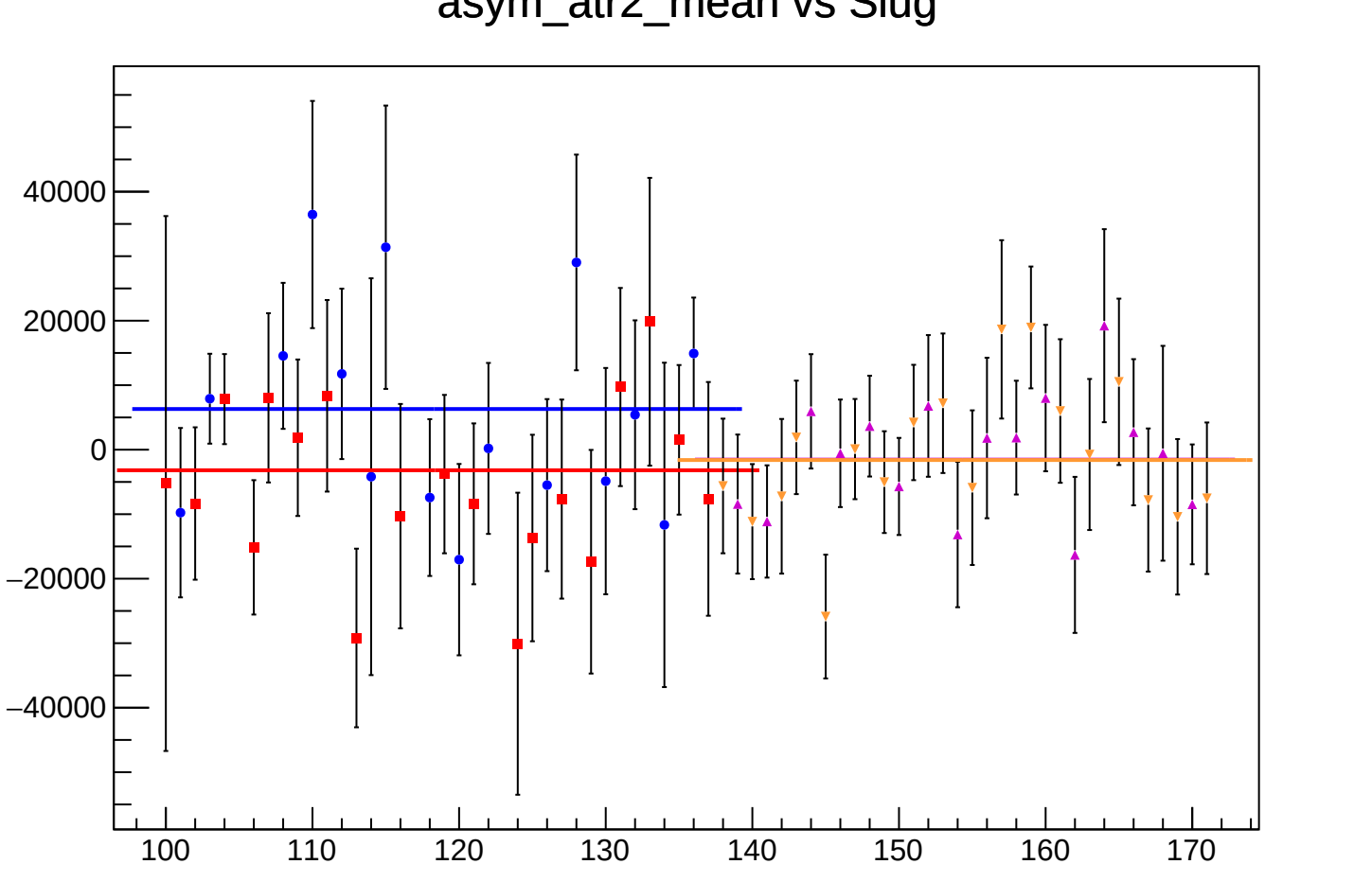
Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8922.784+/-1.774 χ^2/NDF:959703.9/15

+ sign 8748.443+/-1.364 χ^2/NDF: 1292210.0/33

All: 8540.860+/-0.954 χ^2/NDF: 3519717.5/68

- sign 8341.579+/-1.336 χ^2/NDF: 2182085.8/34



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1604.378+/-2402.728 χ^2/NDF:18.9/17

Right Out: -3189.356+/-3068.645 χ^2/NDF: 13.9/18

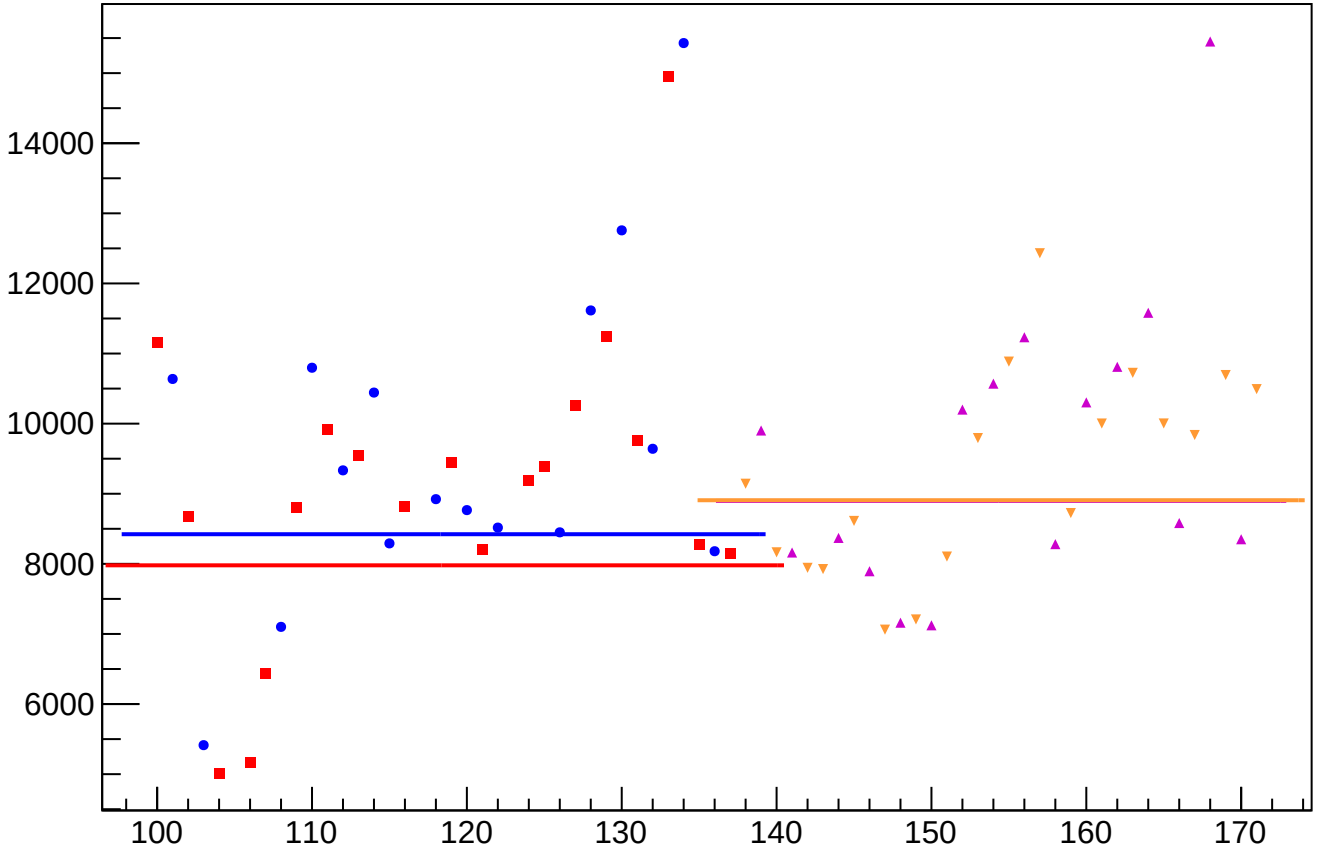
Left In: -1538.046+/-2496.504 χ^2/NDF:9.8/15

+ sign 1203.047+/-1929.889 χ^2/NDF: 37.8/33

All: -490.455+/-1366.995 χ^2/NDF: 63.2/68

- sign -2195.709+/-1936.574 χ^2/NDF: 23.8/34

asym_atr2_rms vs Slug



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8907.369+/-1.699 χ^2/NDF:651430.6/17

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

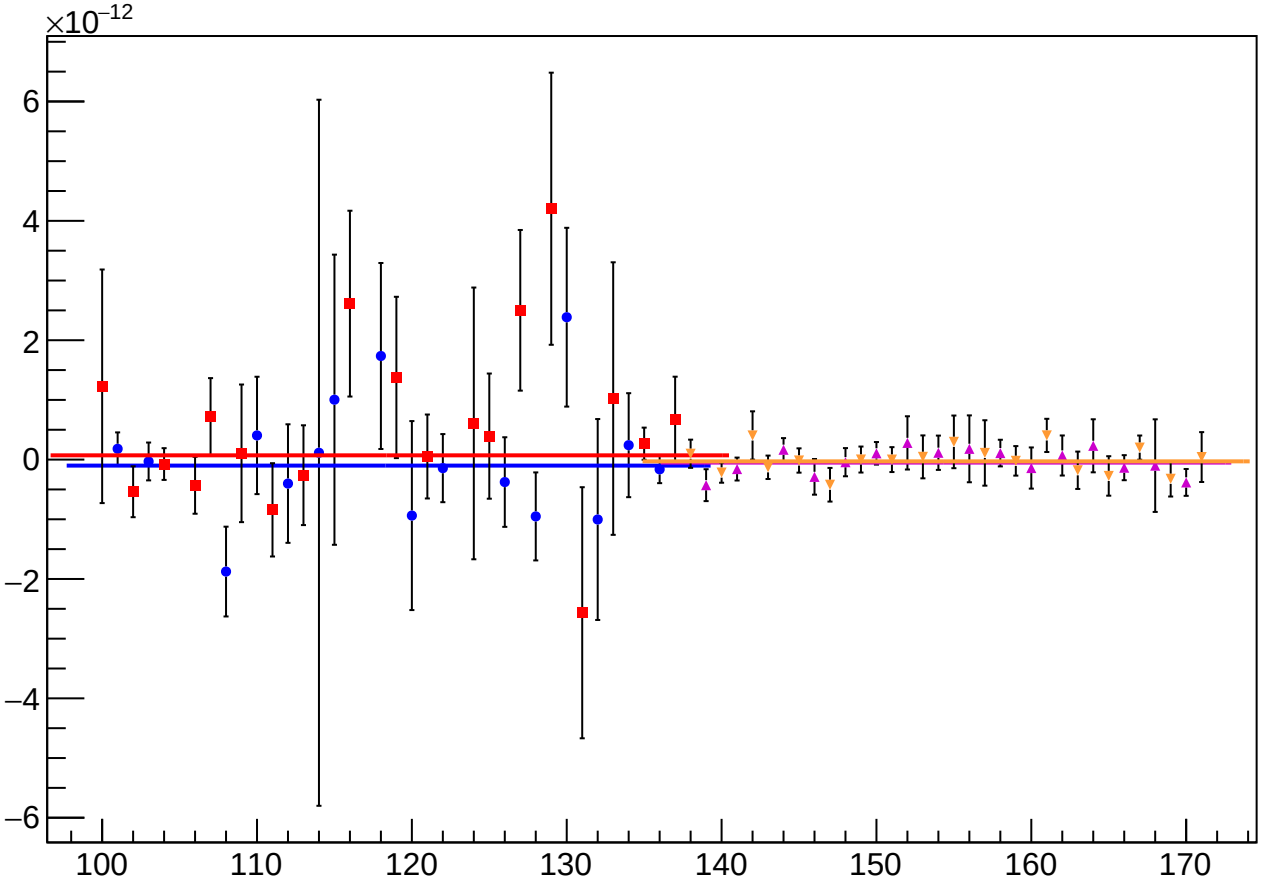
Left In: 8897.461+/-1.765 χ^2/NDF:893186.8/15

+ sign 8735.386+/-1.365 χ^2/NDF: 1562140.3/33

All: 8633.874+/-0.967 χ^2/NDF: 3590265.3/68

- sign 8531.659+/-1.369 χ^2/NDF: 2017019.6/34

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:11.1/17

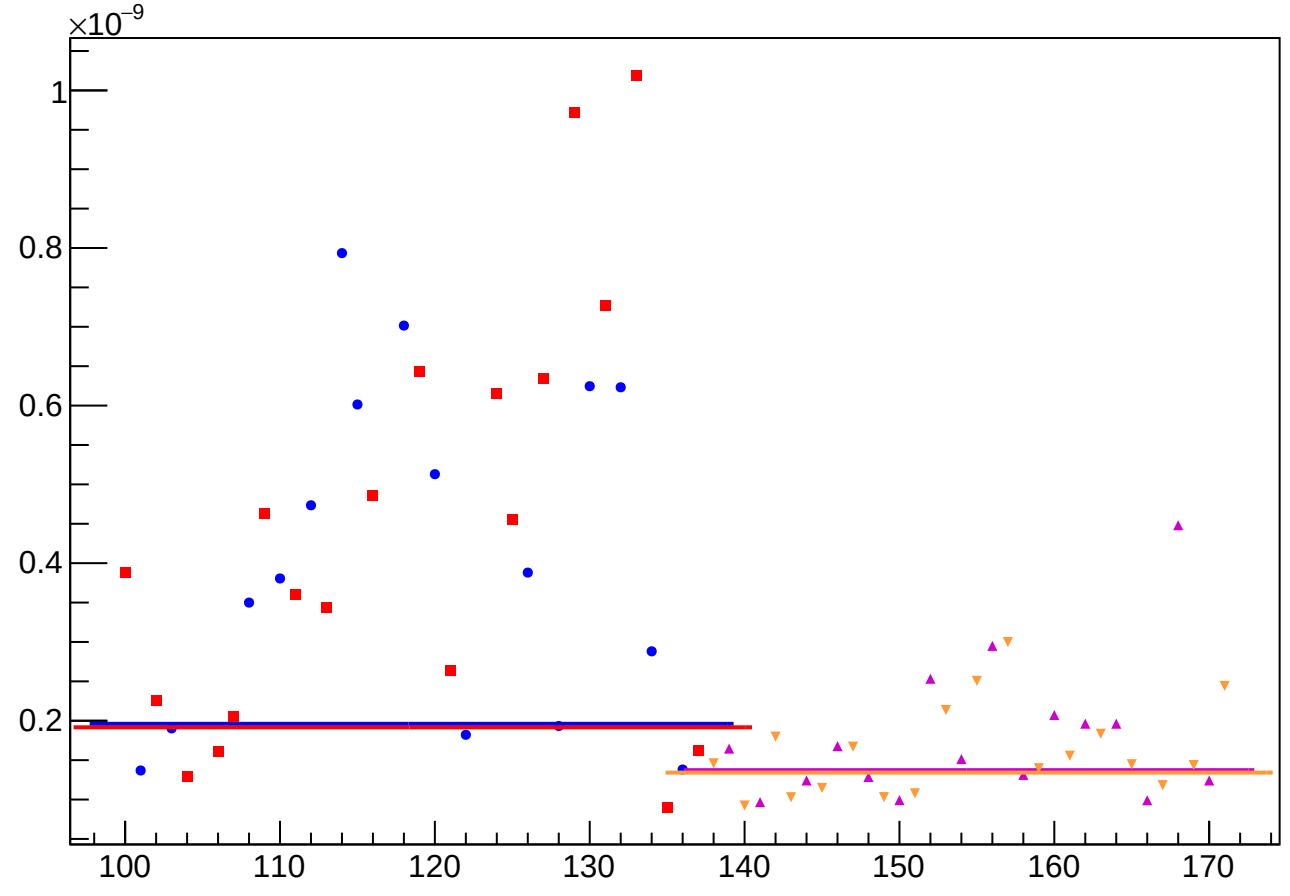
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 24.9/33

All: -0.000+/-0.000 χ^2/NDF: 54.6/68

- sign -0.000+/-0.000 χ^2/NDF: 29.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:957935.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

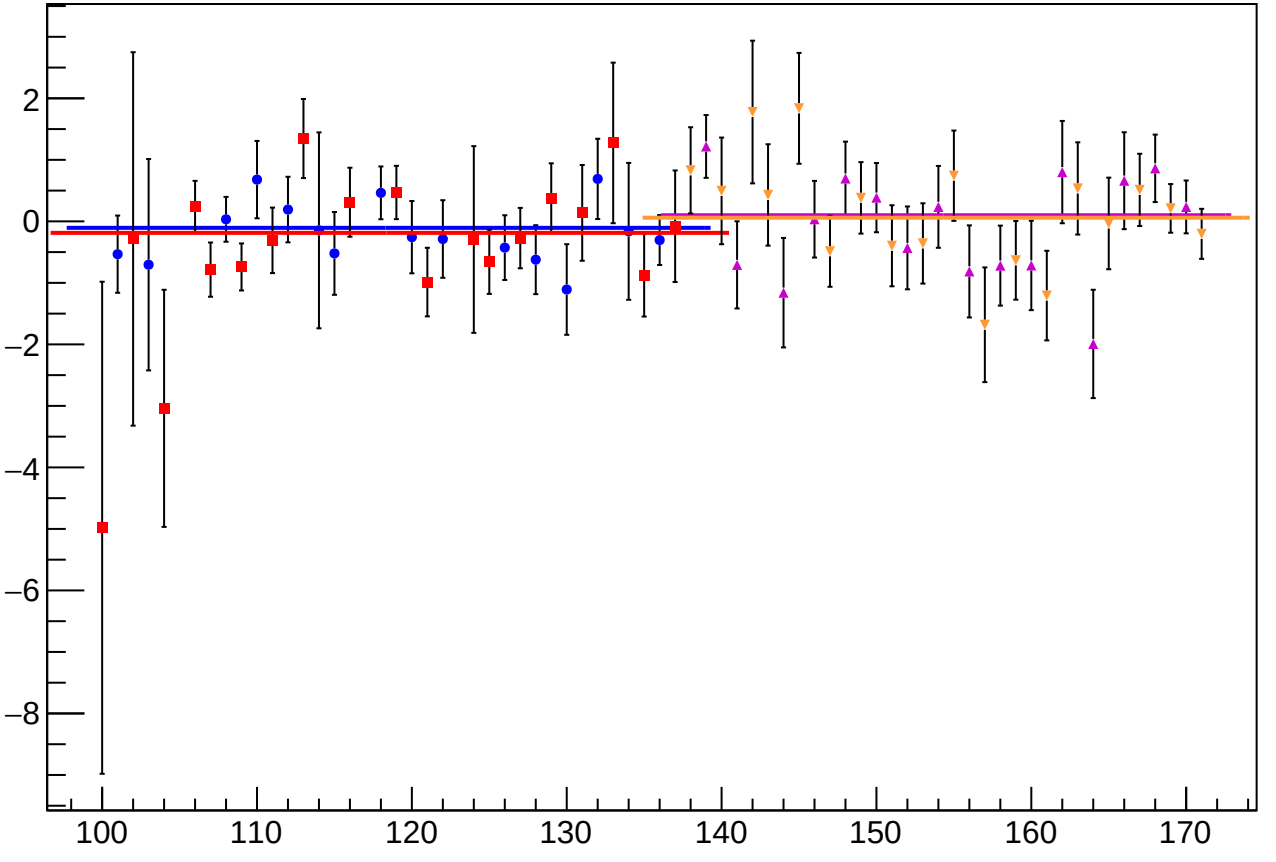
Left In: 0.000+/-0.000 χ^2/NDF:1097535.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 2652982.5/33

All: 0.000+/-0.000 χ^2/NDF: 6068151.9/68

- sign 0.000+/-0.000 χ^2/NDF: 3413232.8/34

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

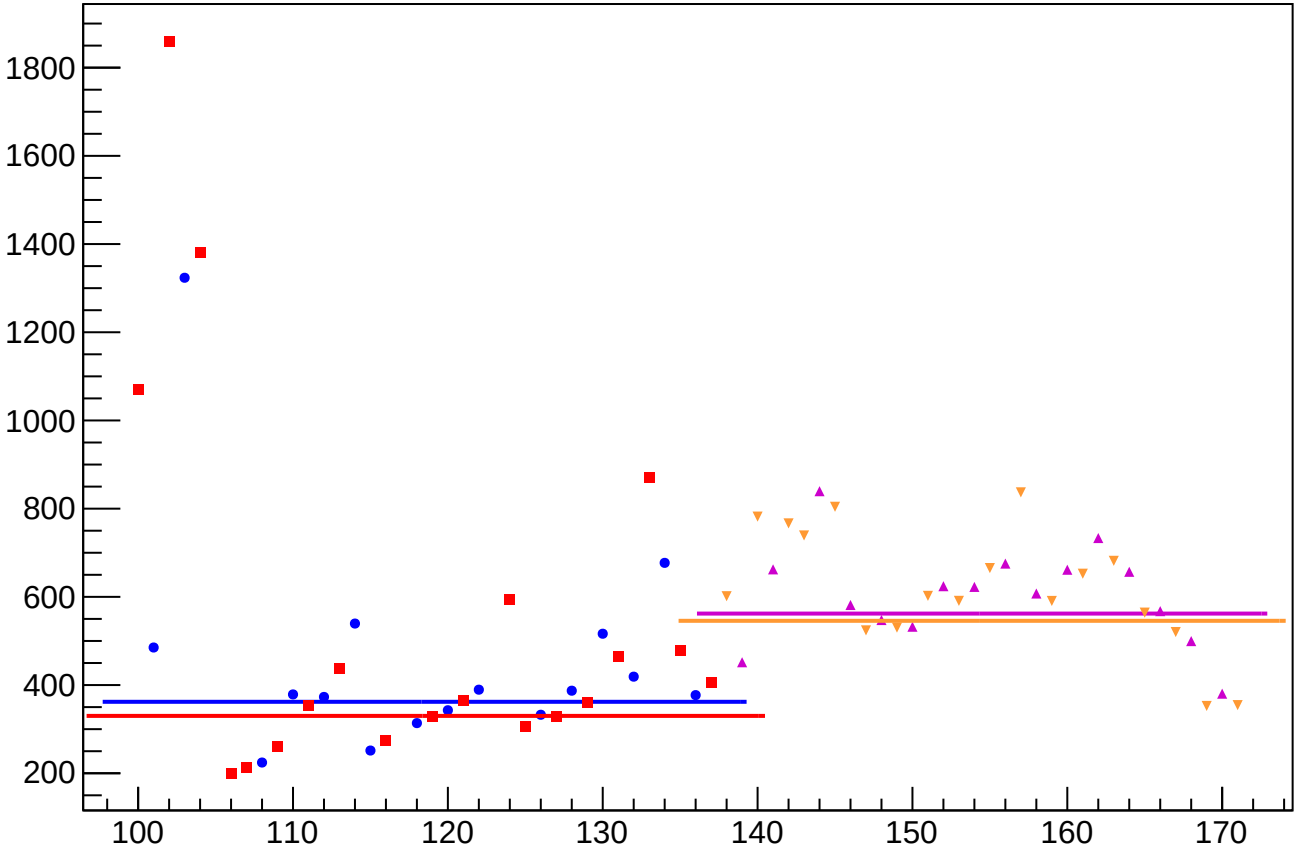
Left In: 0.100+/-0.160 χ^2/NDF:23.3/15

+ sign -0.027+/-0.105 χ^2/NDF: 30.3/33

All: -0.046+/-0.074 χ^2/NDF: 79.3/68

- sign -0.065+/-0.104 χ^2/NDF: 49.0/34

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 545.682+/-0.107 χ^2/NDF:1828249.6/17

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

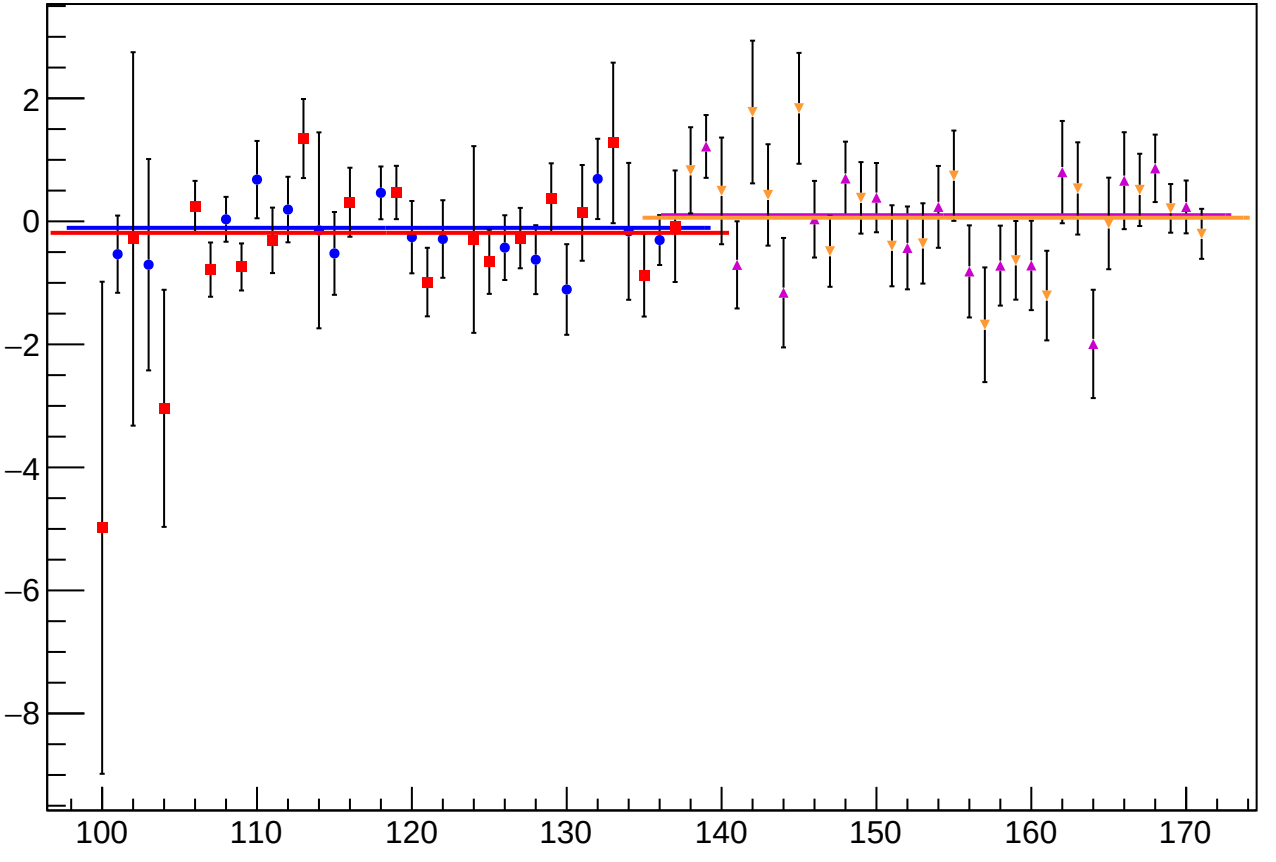
Left In: 562.098+/-0.113 χ^2/NDF:955221.6/15

+ sign 449.766+/-0.074 χ^2/NDF: 4744827.9/33

All: 439.239+/-0.052 χ^2/NDF: 10412722.5/68

- sign 428.792+/-0.074 χ^2/NDF: 5627501.7/34

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

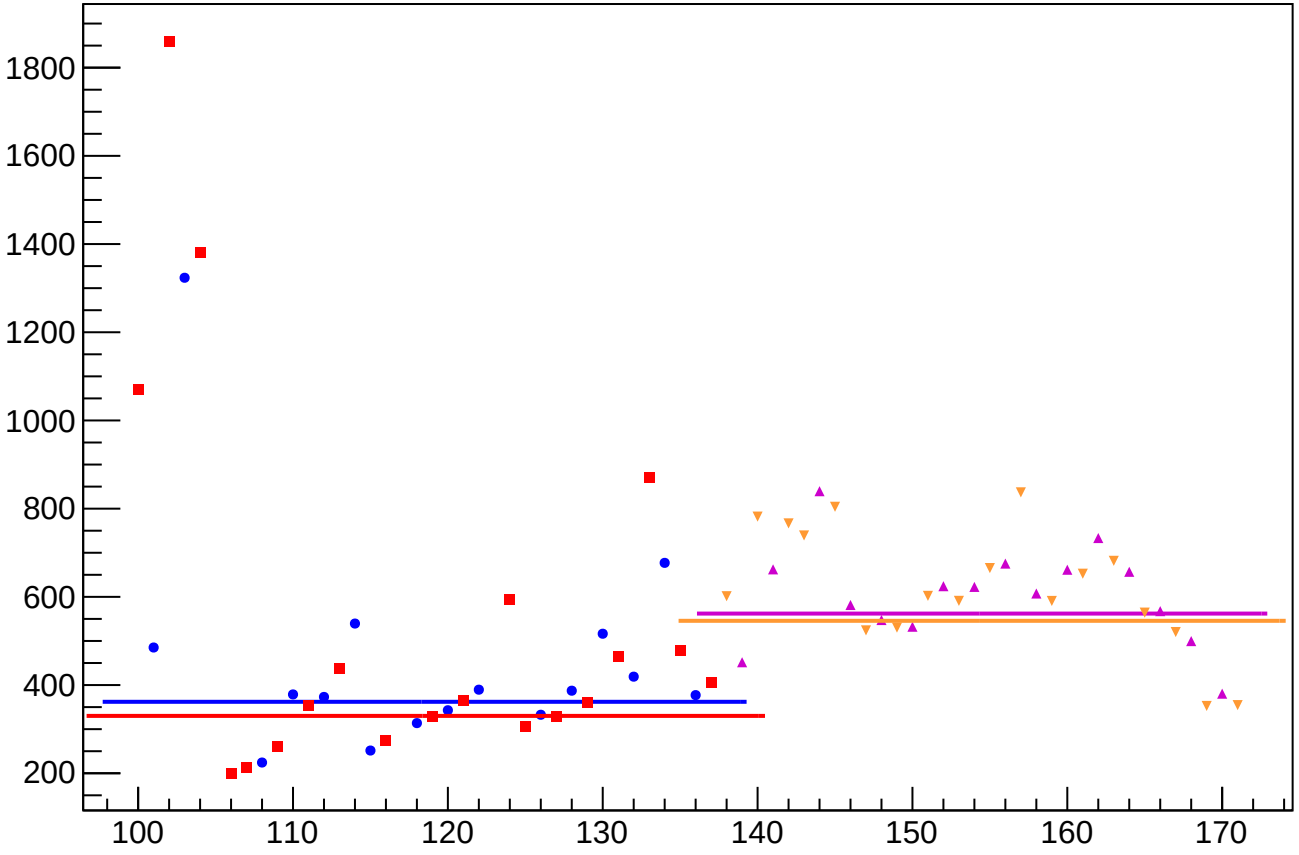
Left In: 0.100+/-0.160 χ^2/NDF:23.3/15

+ sign -0.027+/-0.105 χ^2/NDF: 30.3/33

All: -0.046+/-0.074 χ^2/NDF: 79.3/68

- sign -0.065+/-0.104 χ^2/NDF: 49.0/34

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 545.682+/-0.107 χ^2/NDF:1828249.6/17

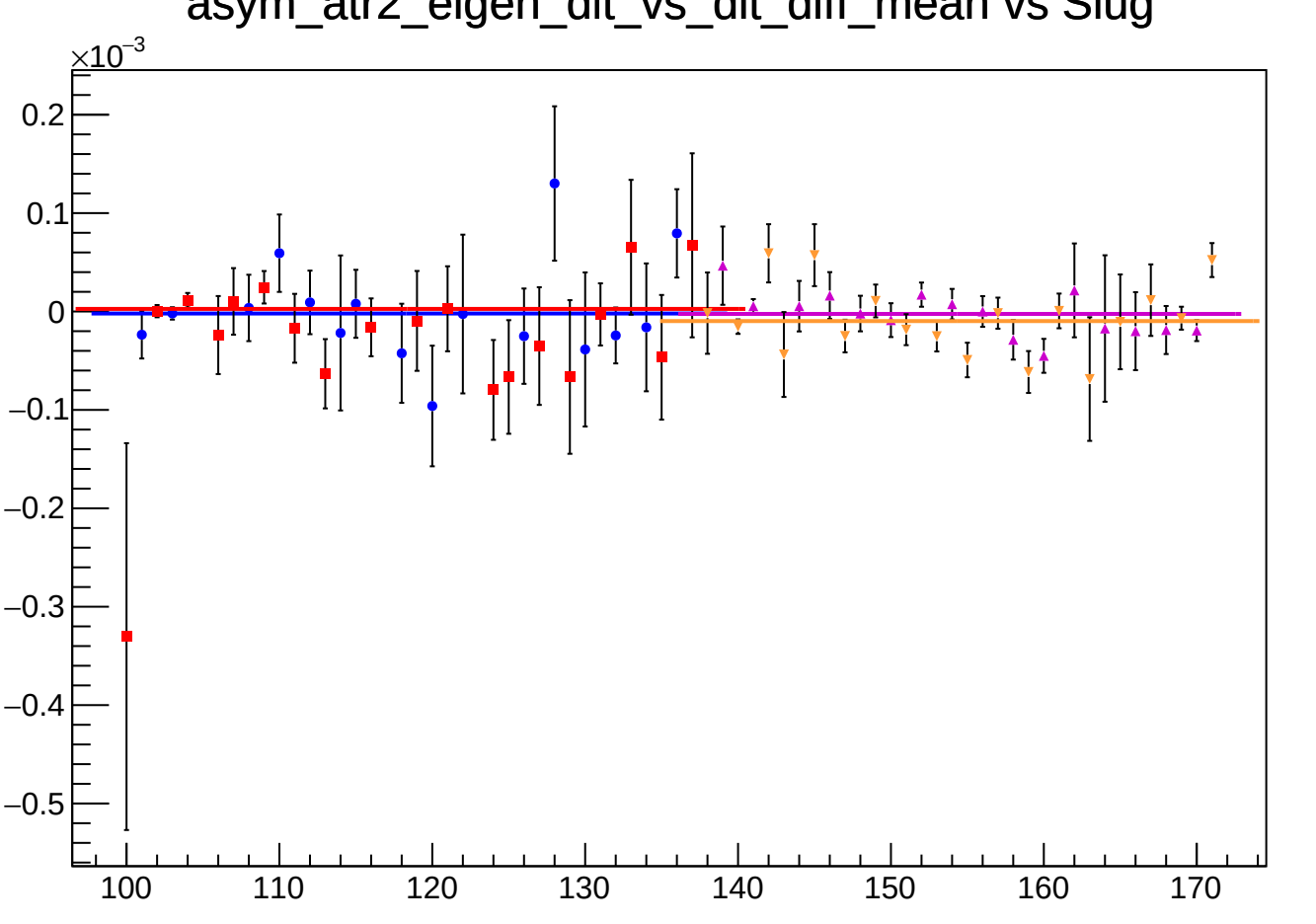
Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

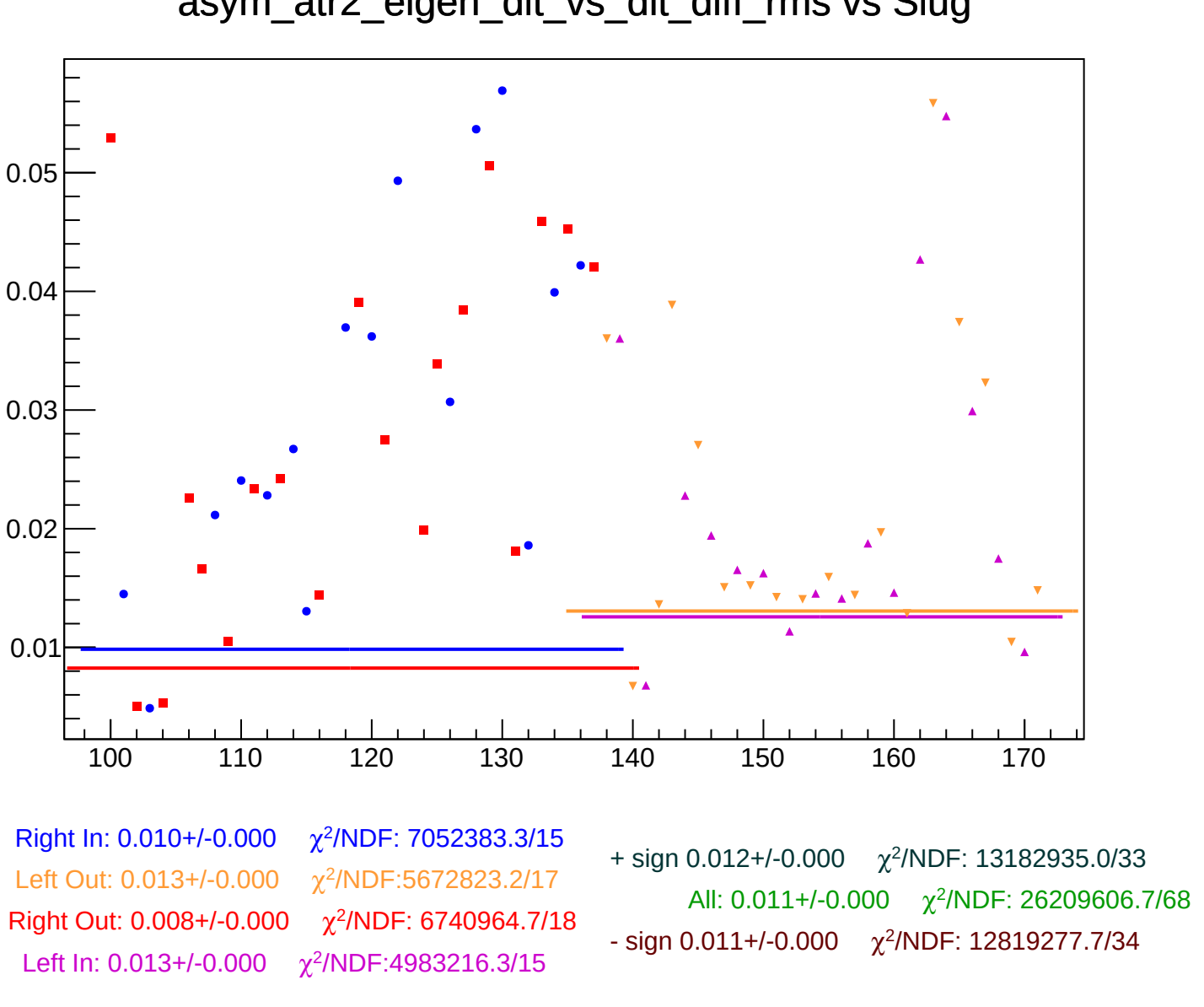
Left In: 562.098+/-0.113 χ^2/NDF:955221.6/15

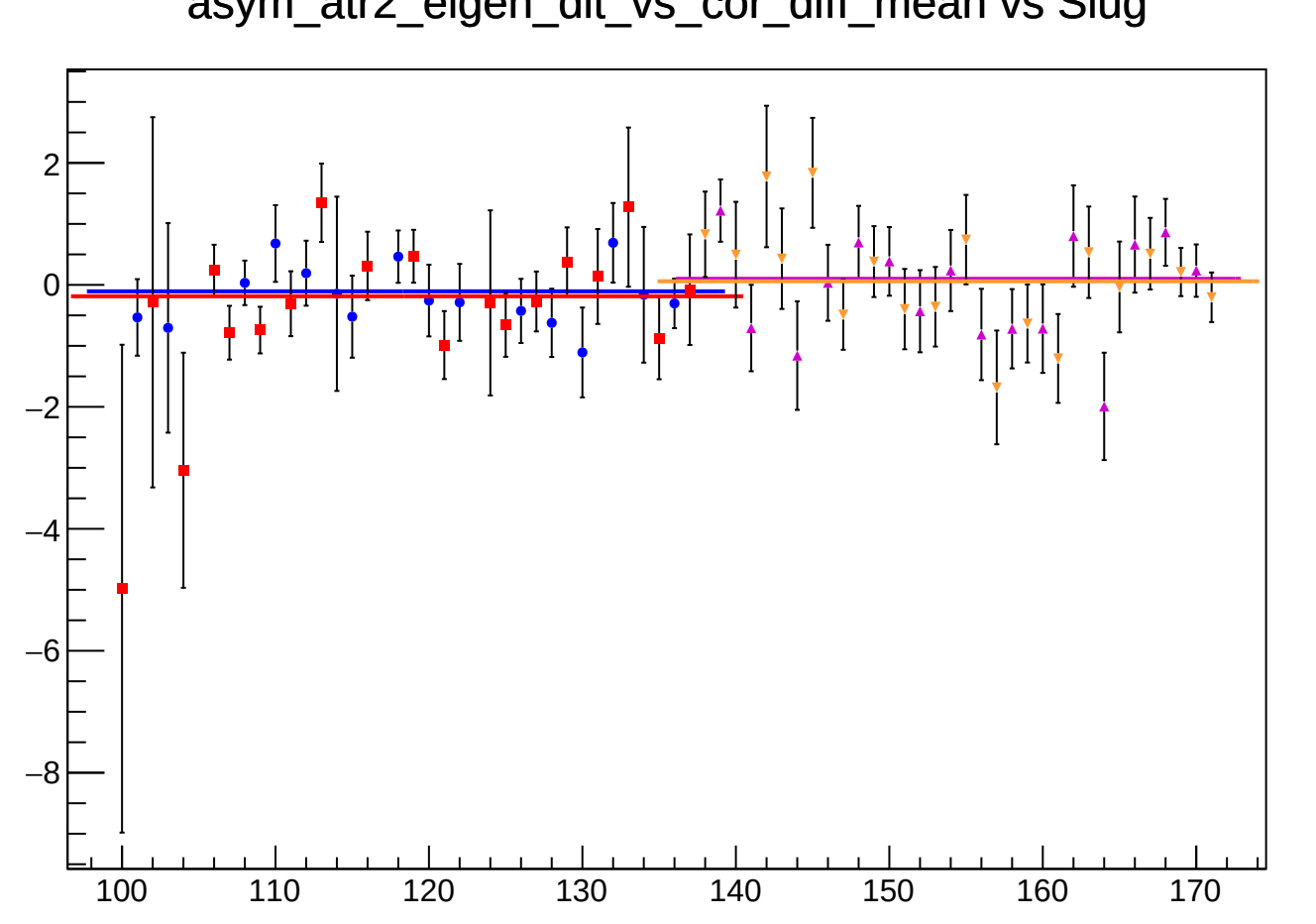
+ sign 449.766+/-0.074 χ^2/NDF: 4744827.9/33

All: 439.239+/-0.052 χ^2/NDF: 10412722.5/68

- sign 428.792+/-0.074 χ^2/NDF: 5627501.7/34


asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.8/15
Left Out: -0.000+/-0.000 χ²/NDF:40.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 18.2/18
Left In: -0.000+/-0.000 χ²/NDF:17.7/15
+ sign -0.000+/-0.000 χ²/NDF: 55.7/33
All: -0.000+/-0.000 χ²/NDF: 95.0/68
- sign -0.000+/-0.000 χ²/NDF: 36.7/34


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.000 χ²/NDF: 7052383.3/15
Left Out: 0.013+/-0.000 χ²/NDF:5672823.2/17
Right Out: 0.008+/-0.000 χ²/NDF: 6740964.7/18
Left In: 0.013+/-0.000 χ²/NDF:4983216.3/15
+ sign 0.012+/-0.000 χ²/NDF: 13182935.0/33
All: 0.011+/-0.000 χ²/NDF: 26209606.7/68
- sign 0.011+/-0.000 χ²/NDF: 12819277.7/34



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

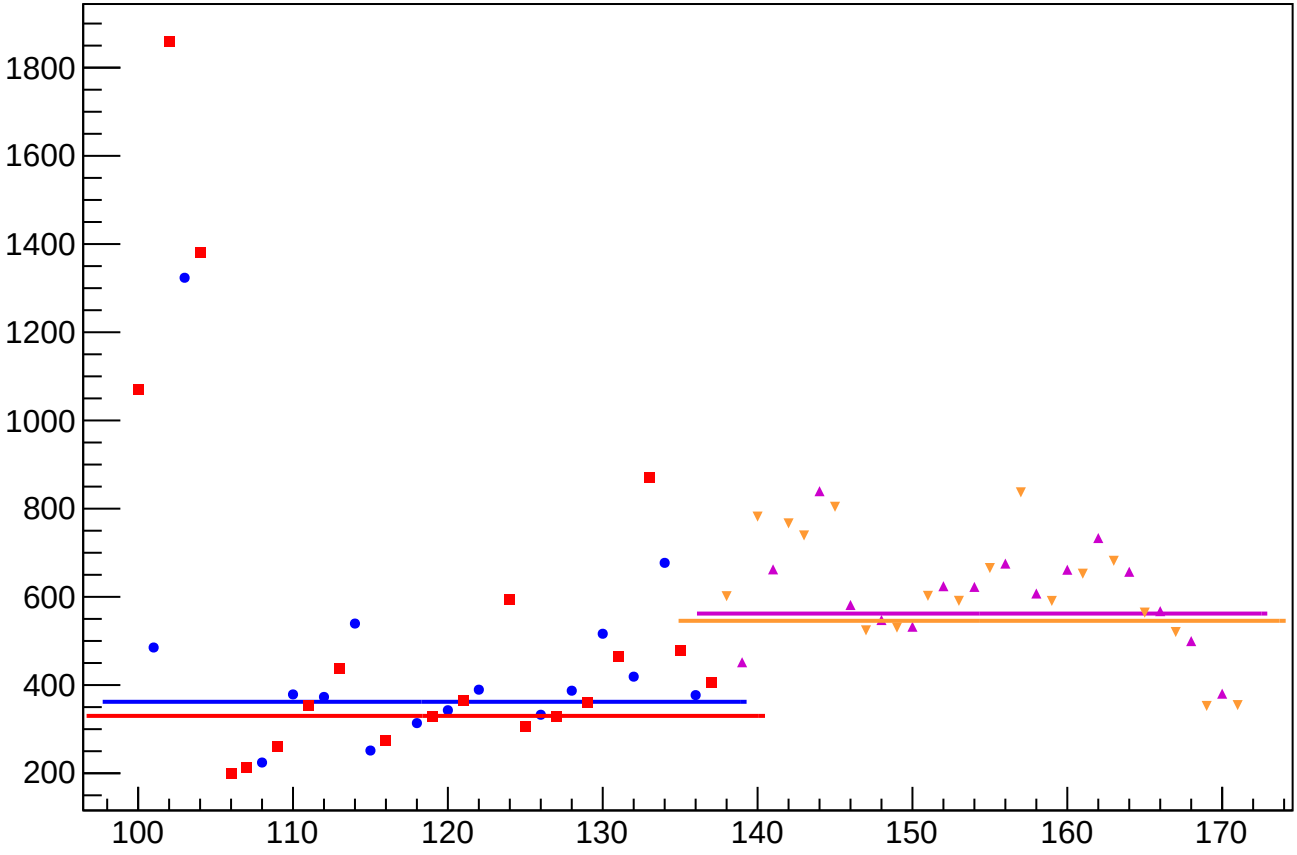
Left In: 0.100+/-0.160 χ^2/NDF:23.3/15

+ sign -0.027+/-0.105 χ^2/NDF: 30.3/33

All: -0.046+/-0.074 χ^2/NDF: 79.3/68

- sign -0.065+/-0.104 χ^2/NDF: 49.0/34

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 545.686+/-0.107 χ^2/NDF:1828359.6/17

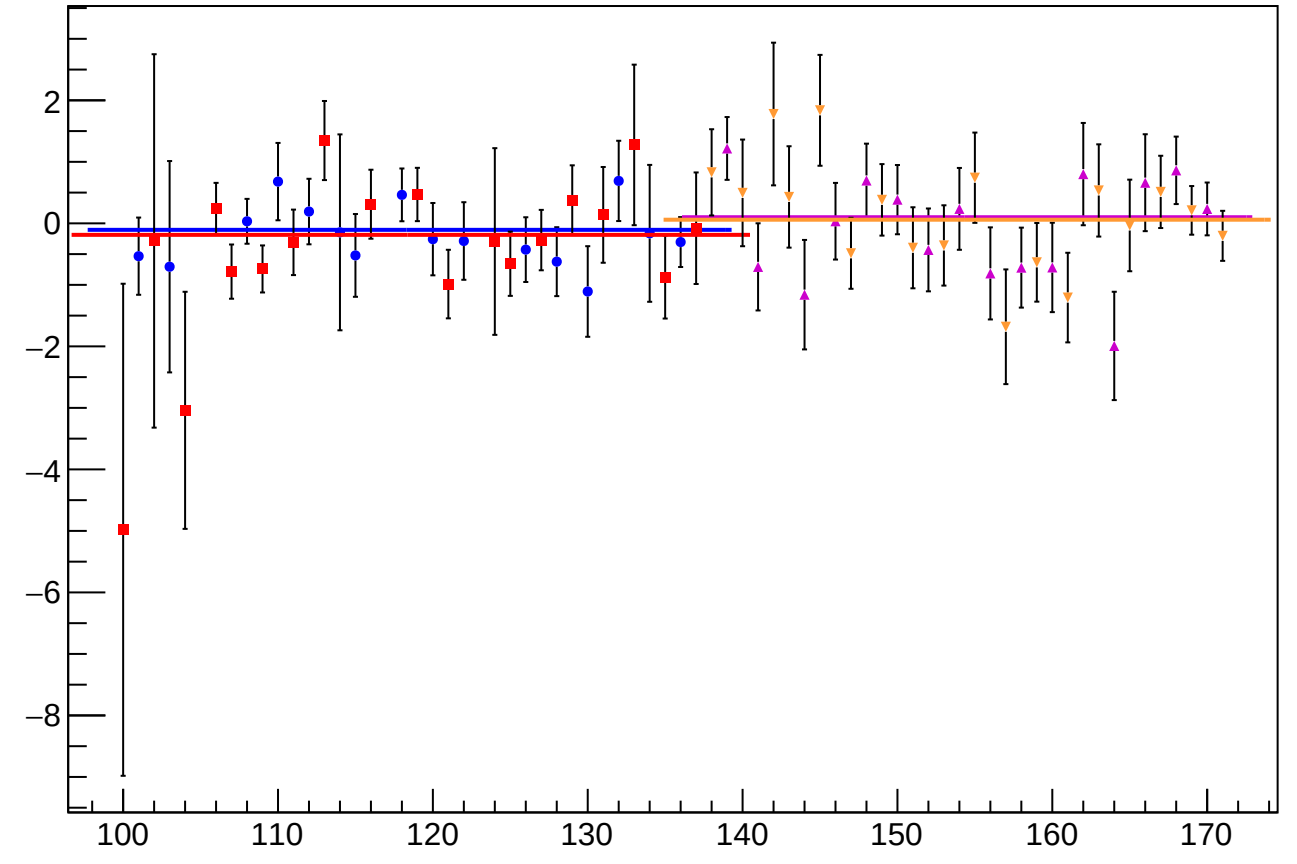
Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 562.106+/-0.113 χ^2/NDF:955244.8/15

+ sign 449.766+/-0.074 χ^2/NDF: 4745050.7/33

All: 439.238+/-0.052 χ^2/NDF: 10413108.8/68

- sign 428.792+/-0.074 χ^2/NDF: 5627670.4/34



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.059+/-0.151 χ^2/NDF:20.0/17

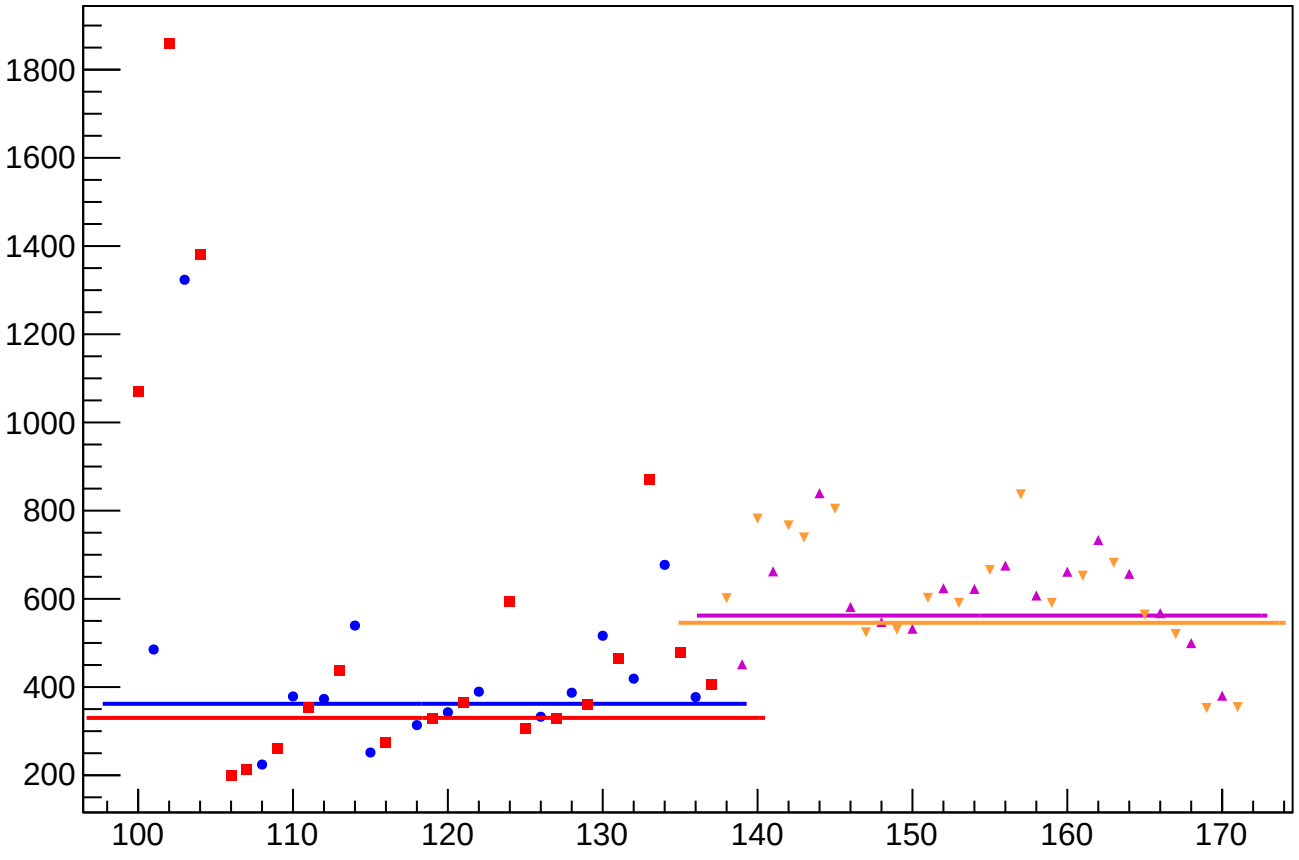
Right Out: -0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.100+/-0.160 χ^2/NDF:23.3/15

+ sign -0.027+/-0.105 χ^2/NDF: 30.3/33

All: -0.046+/-0.074 χ^2/NDF: 79.3/68

- sign -0.065+/-0.104 χ^2/NDF: 49.0/34



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 545.686+/-0.107 χ^2/NDF:1828359.6/17

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

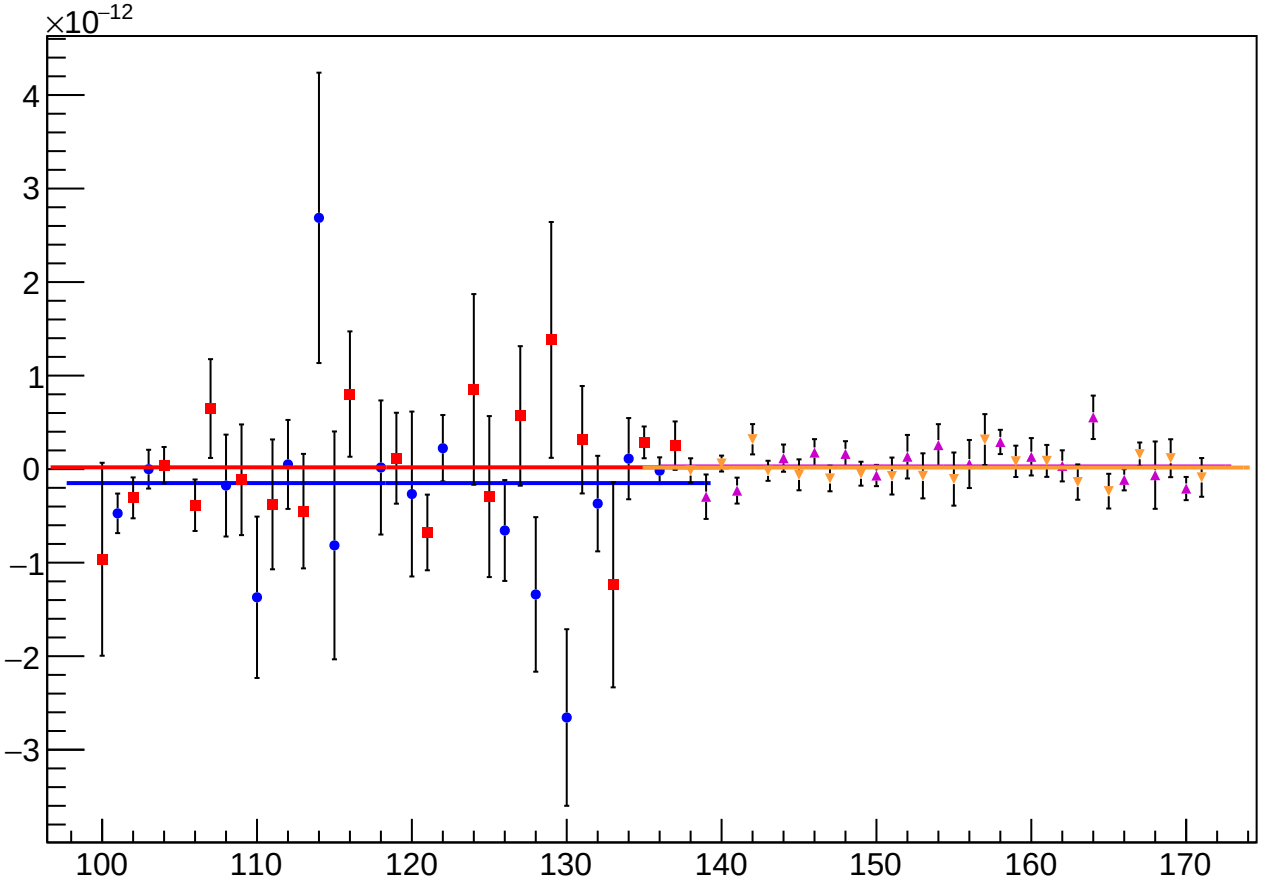
Left In: 562.106+/-0.113 χ^2/NDF:955244.8/15

+ sign 449.766+/-0.074 χ^2/NDF: 4745050.7/33

All: 439.238+/-0.052 χ^2/NDF: 10413108.8/68

- sign 428.792+/-0.074 χ^2/NDF: 5627670.4/34

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:11.5/17

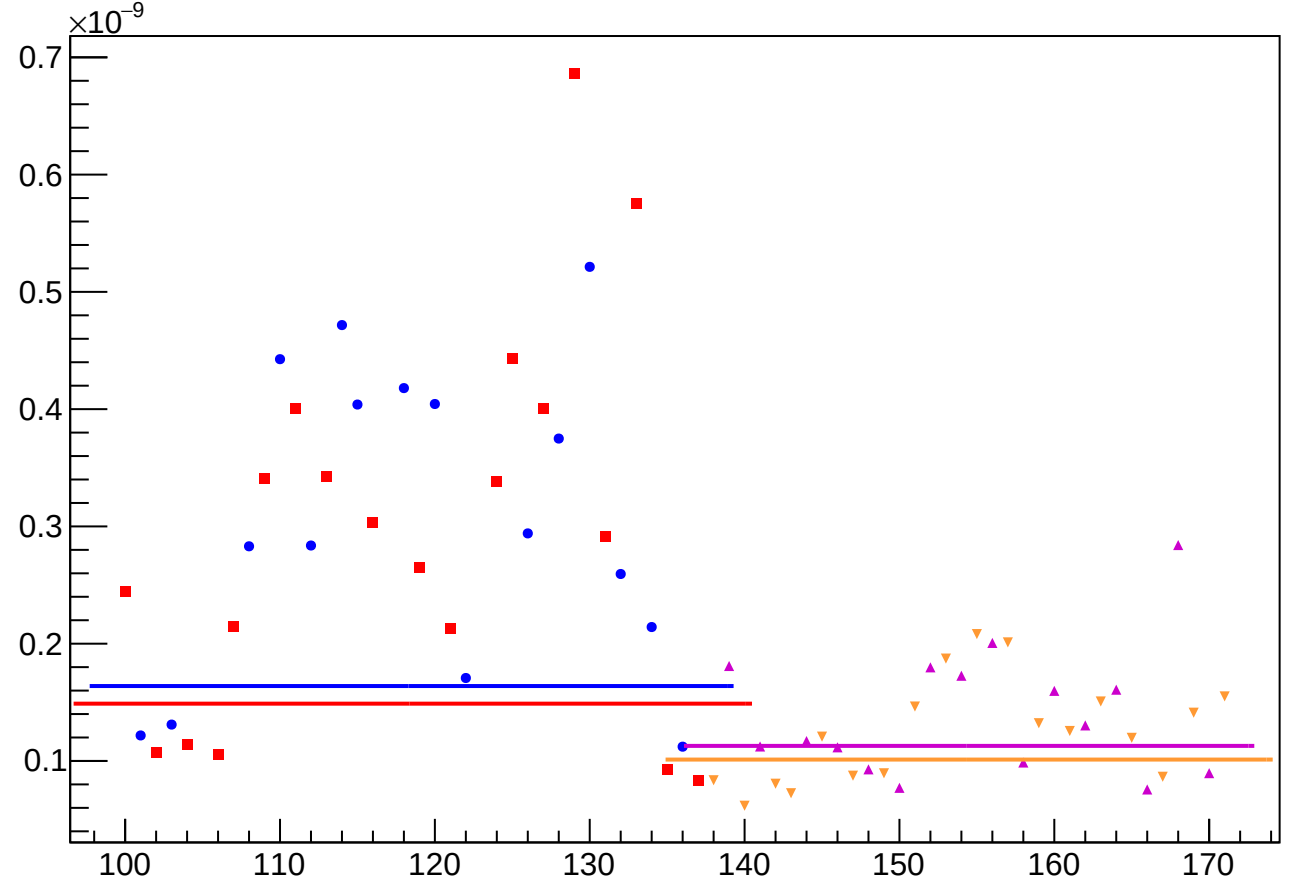
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/33

All: 0.000+/-0.000 χ^2/NDF: 80.2/68

- sign 0.000+/-0.000 χ^2/NDF: 43.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2125053.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

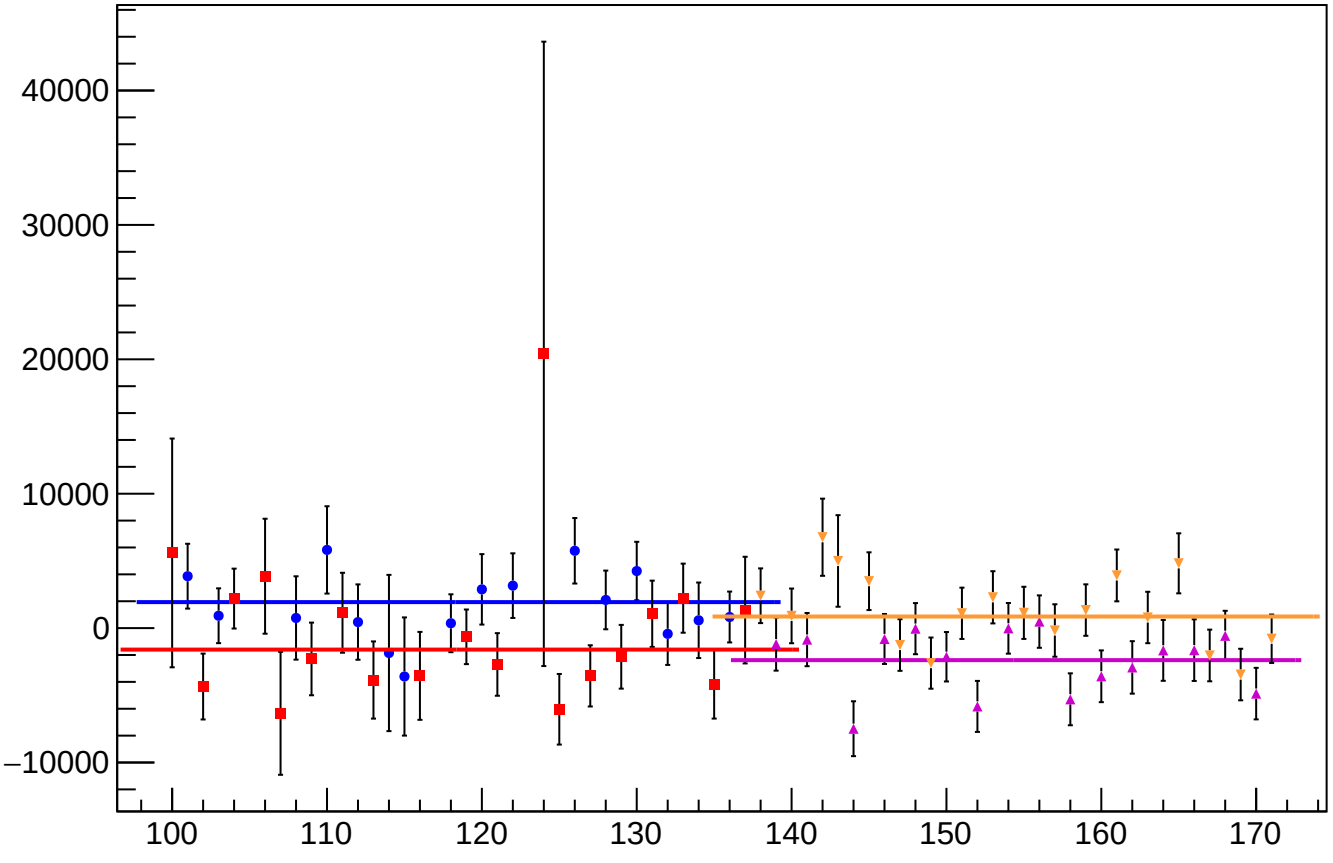
Left In: 0.000+/-0.000 χ^2/NDF:1927724.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 5019520.4/33

All: 0.000+/-0.000 χ^2/NDF: 10168776.2/68

- sign 0.000+/-0.000 χ^2/NDF: 5077726.8/34

reg_asym_atl_avg_mean vs Slug



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.393+/-477.320 χ^2/NDF:27.1/17

Right Out: -1597.959+/-642.207 χ^2/NDF: 19.4/18

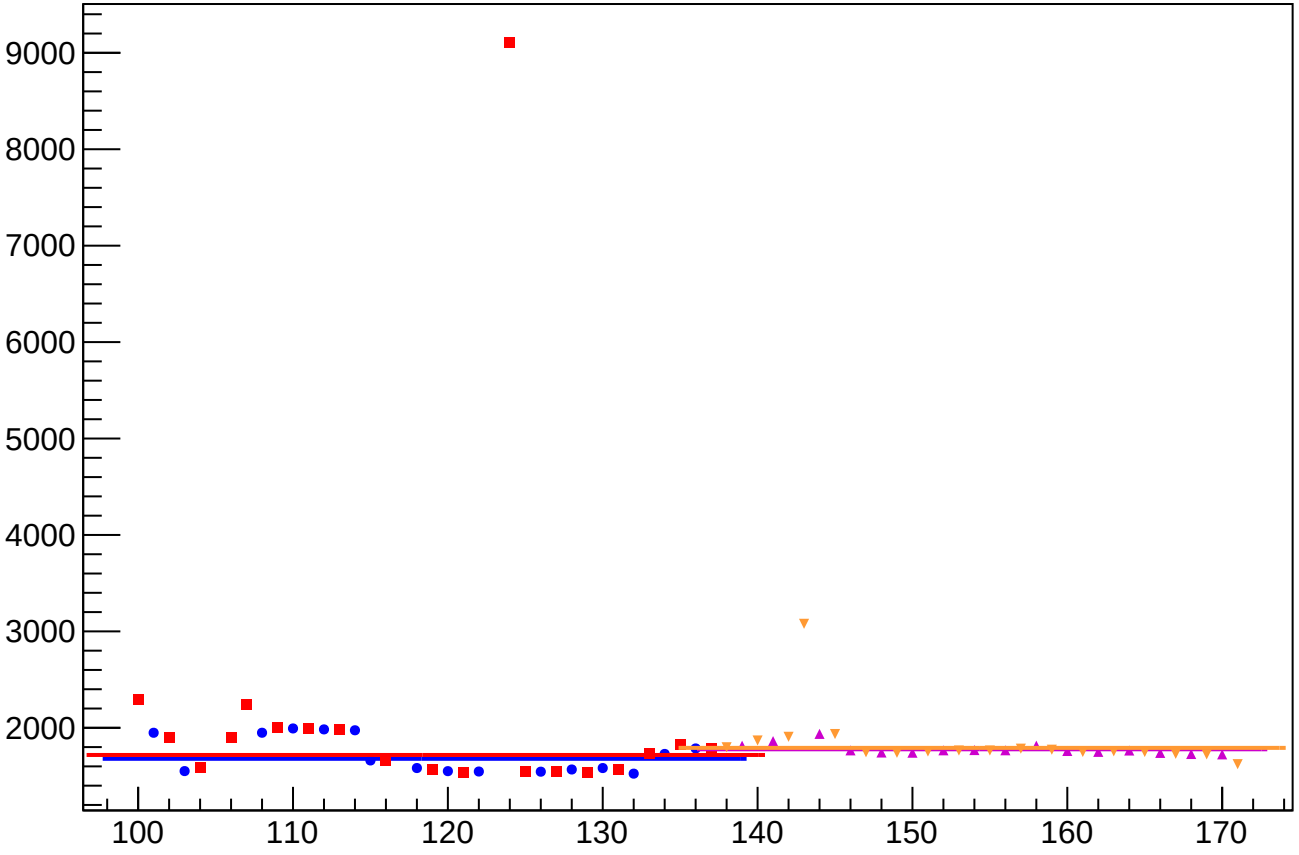
Left In: -2383.083+/-488.989 χ^2/NDF:22.1/15

+ sign 1255.154+/-379.984 χ^2/NDF: 39.8/33

All: -380.417+/-271.838 χ^2/NDF: 120.2/68

- sign -2094.948+/-389.048 χ^2/NDF: 42.4/34

reg_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

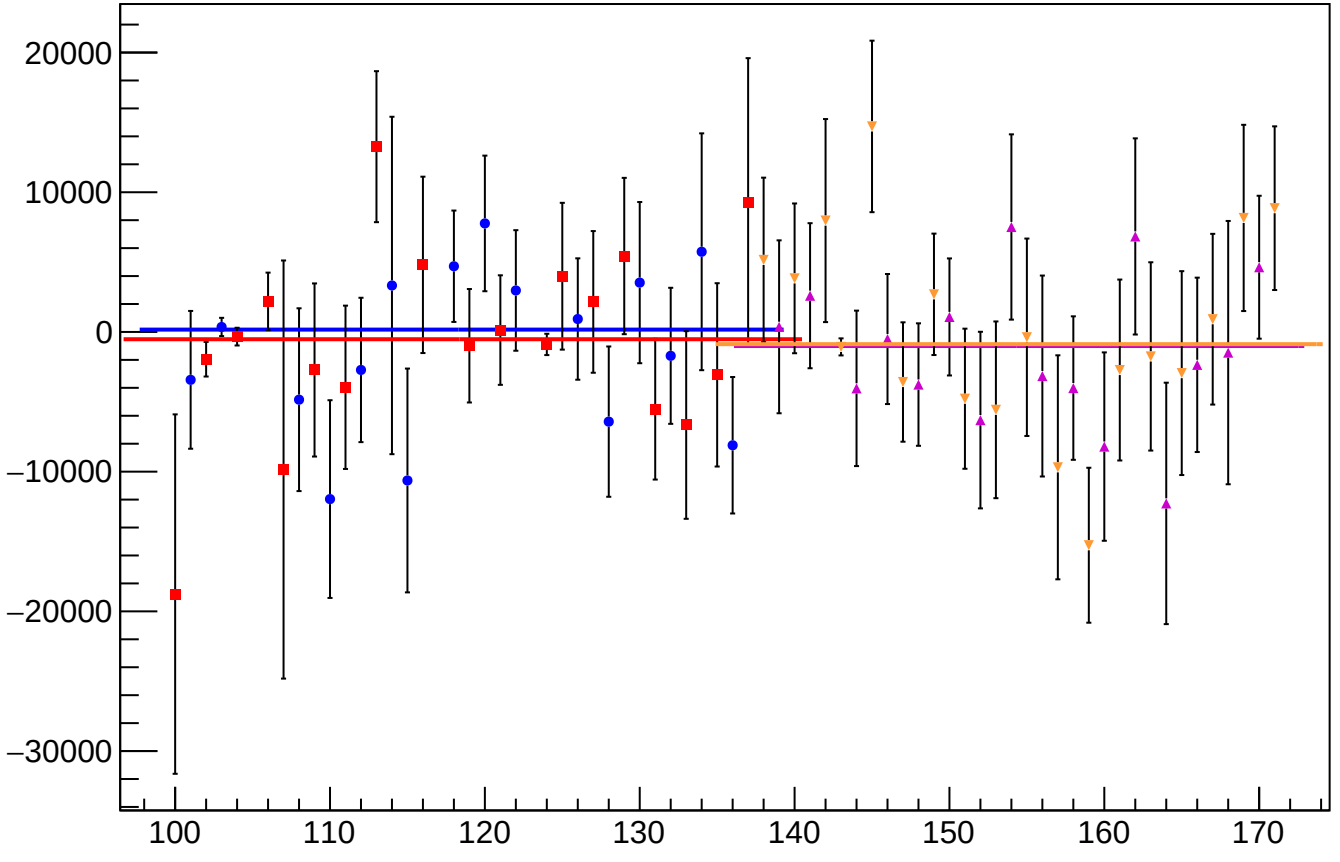
Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

+ sign 1750.373+/-0.269 χ^2/NDF: 511887.7/33

All: 1752.844+/-0.192 χ^2/NDF: 928867.7/68

- sign 1755.426+/-0.275 χ^2/NDF: 416807.0/34

asym_atl_avg_reg_correction_mean vs Slug



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -874.394+/-561.053 χ^2/NDF:24.9/17

Right Out: -521.080+/-424.783 χ^2/NDF: 18.5/18

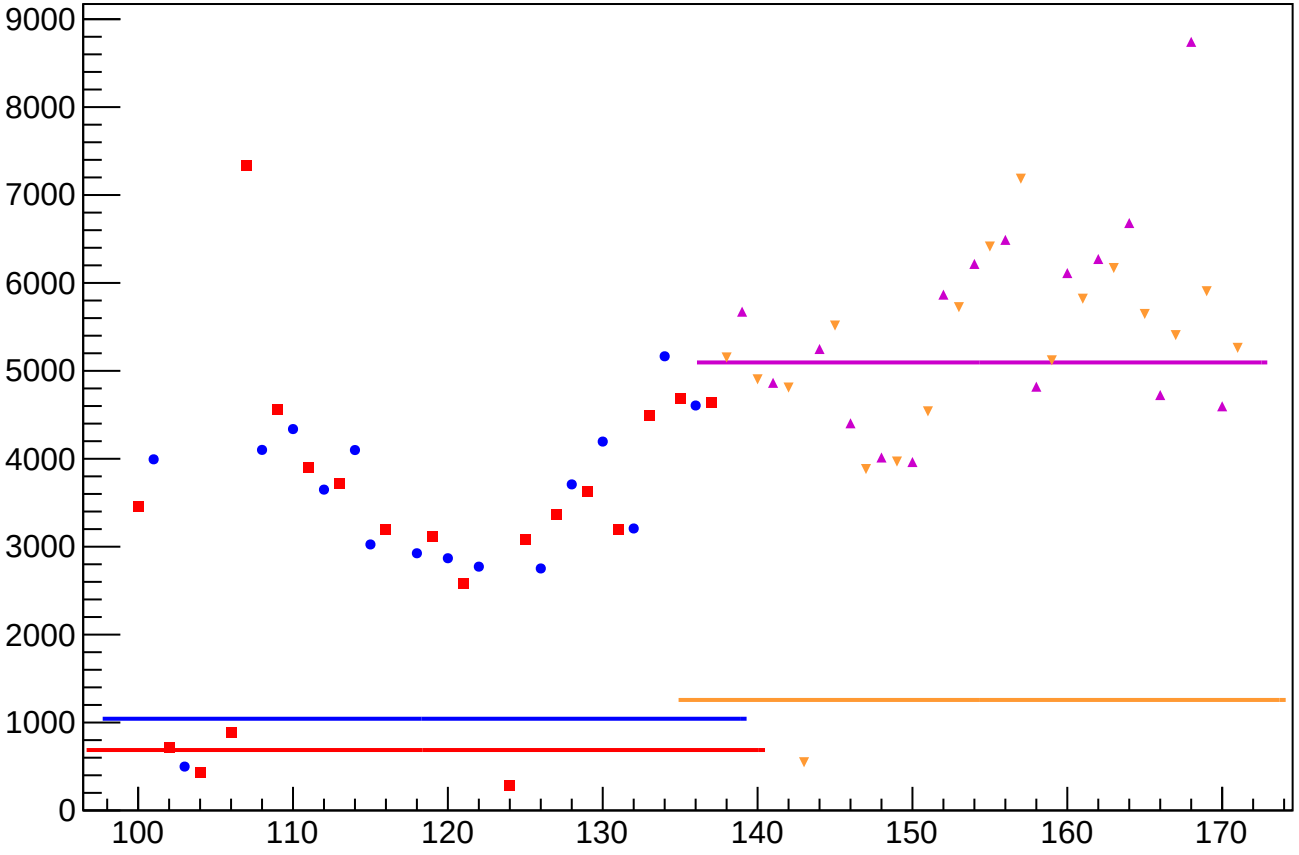
Left In: -1006.020+/-1433.587 χ^2/NDF:9.6/15

+ sign -380.675+/-407.097 χ^2/NDF: 42.4/33

All: -470.408+/-287.926 χ^2/NDF: 70.7/68

- sign -560.221+/-407.280 χ^2/NDF: 28.3/34

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1256.931+/-0.397 χ^2/NDF:18066683.9/17

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

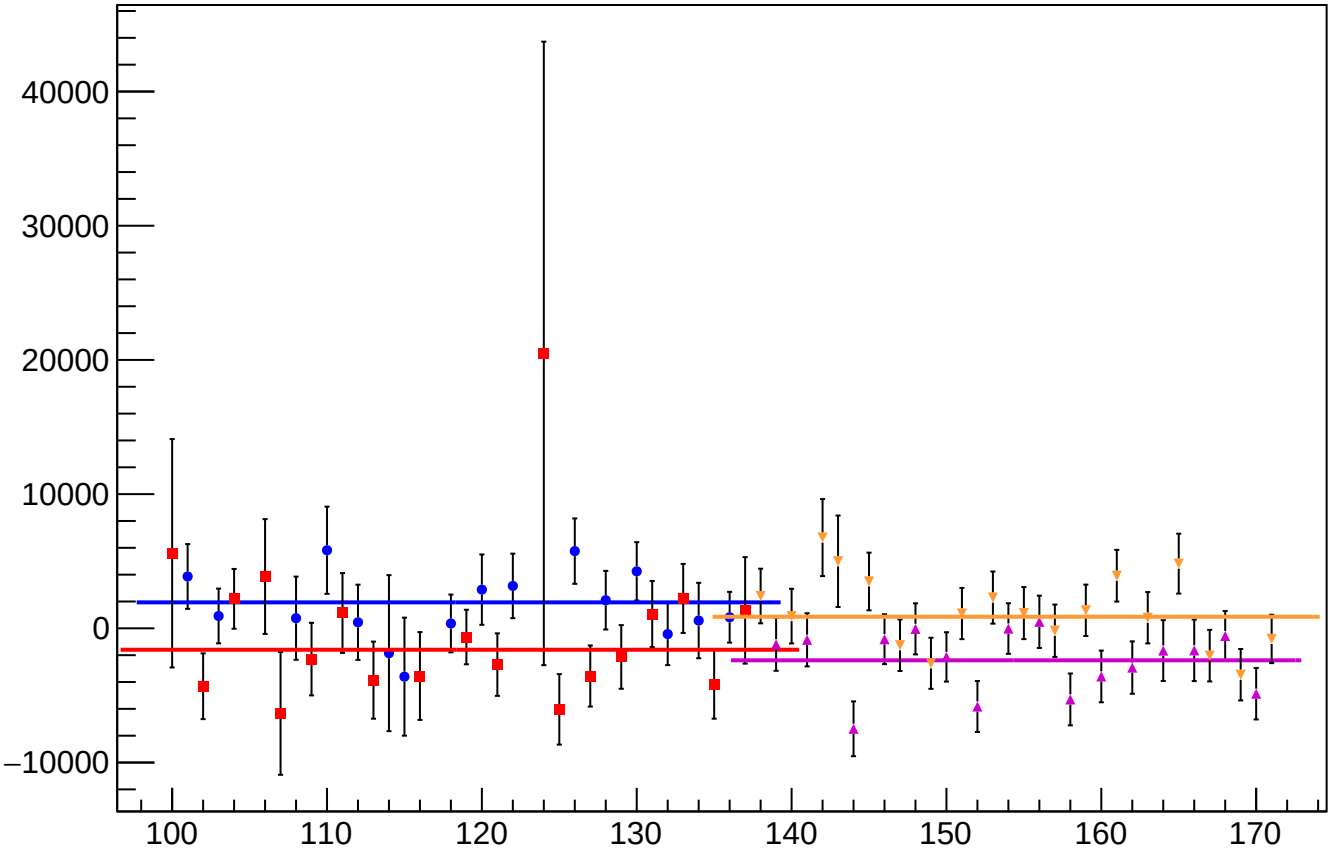
Left In: 5095.661+/-1.014 χ^2/NDF:997418.2/15

+ sign 1155.688+/-0.288 χ^2/NDF: 26316120.3/33

All: 1099.436+/-0.204 χ^2/NDF: 53406771.3/6

- sign 1043.134+/-0.288 χ^2/NDF: 27014244.7/34

cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.389+/-477.320 χ^2/NDF:27.1/17

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

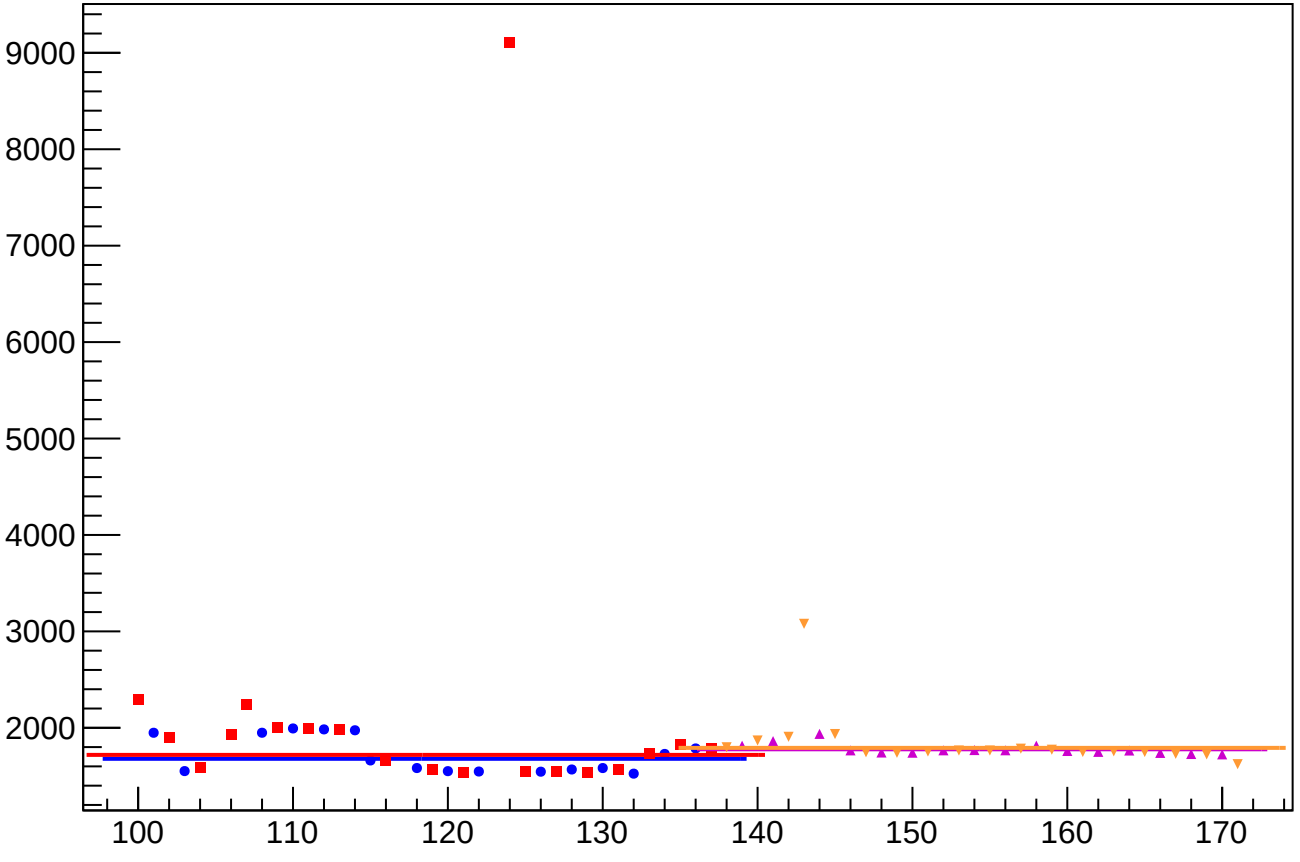
Left In: -2383.159+/-488.989 χ^2/NDF:22.1/15

+ sign 1255.194+/-379.984 χ^2/NDF: 39.8/33

All: -379.980+/-271.838 χ^2/NDF: 120.1/68

- sign -2094.104+/-389.050 χ^2/NDF: 42.4/34

cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

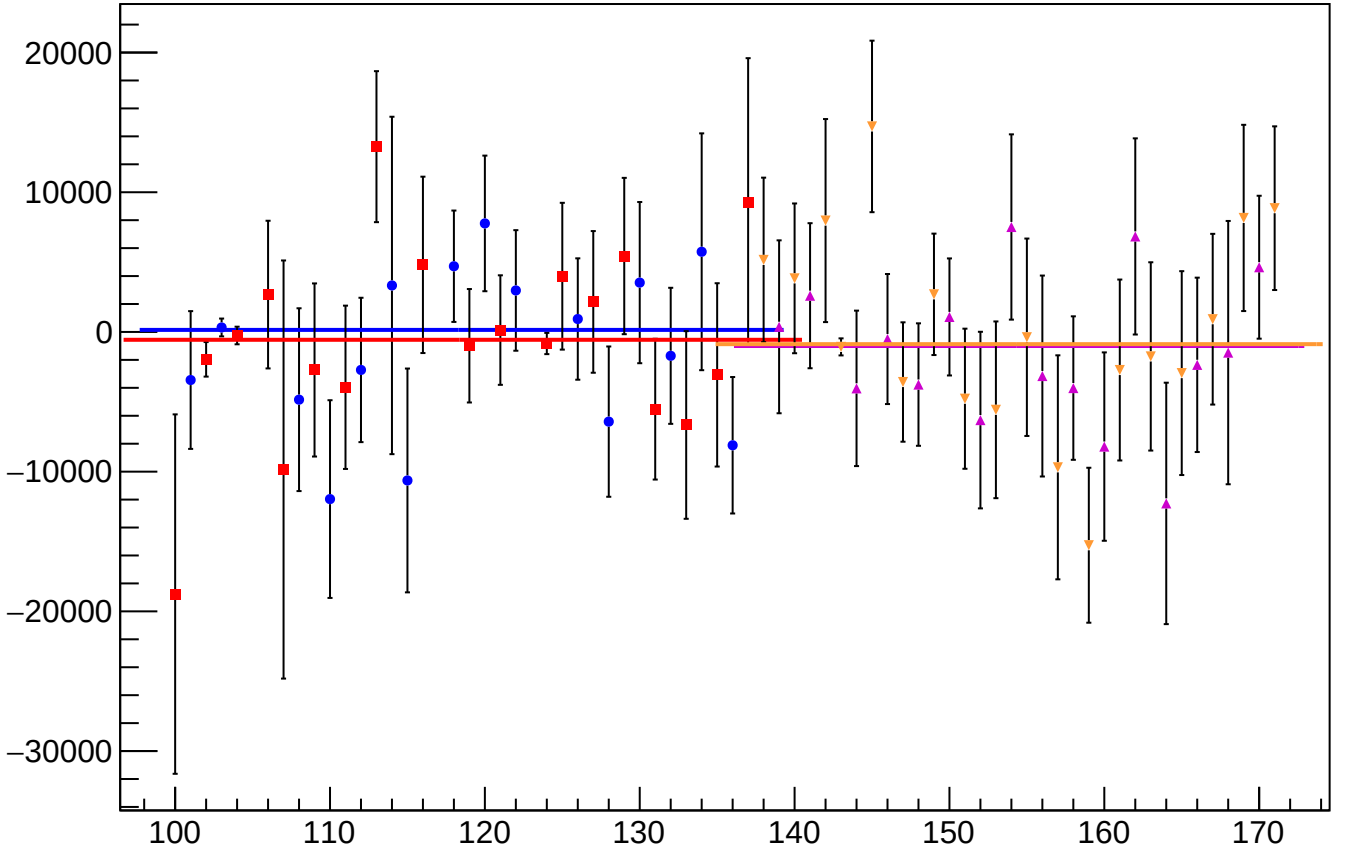
Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

+ sign 1750.373+/-0.269 χ^2/NDF: 511887.9/33

All: 1753.001+/-0.192 χ^2/NDF: 930326.2/68

- sign 1755.748+/-0.275 χ^2/NDF: 418242.6/34

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -874.061+/-561.033 χ^2/NDF:24.9/17

Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

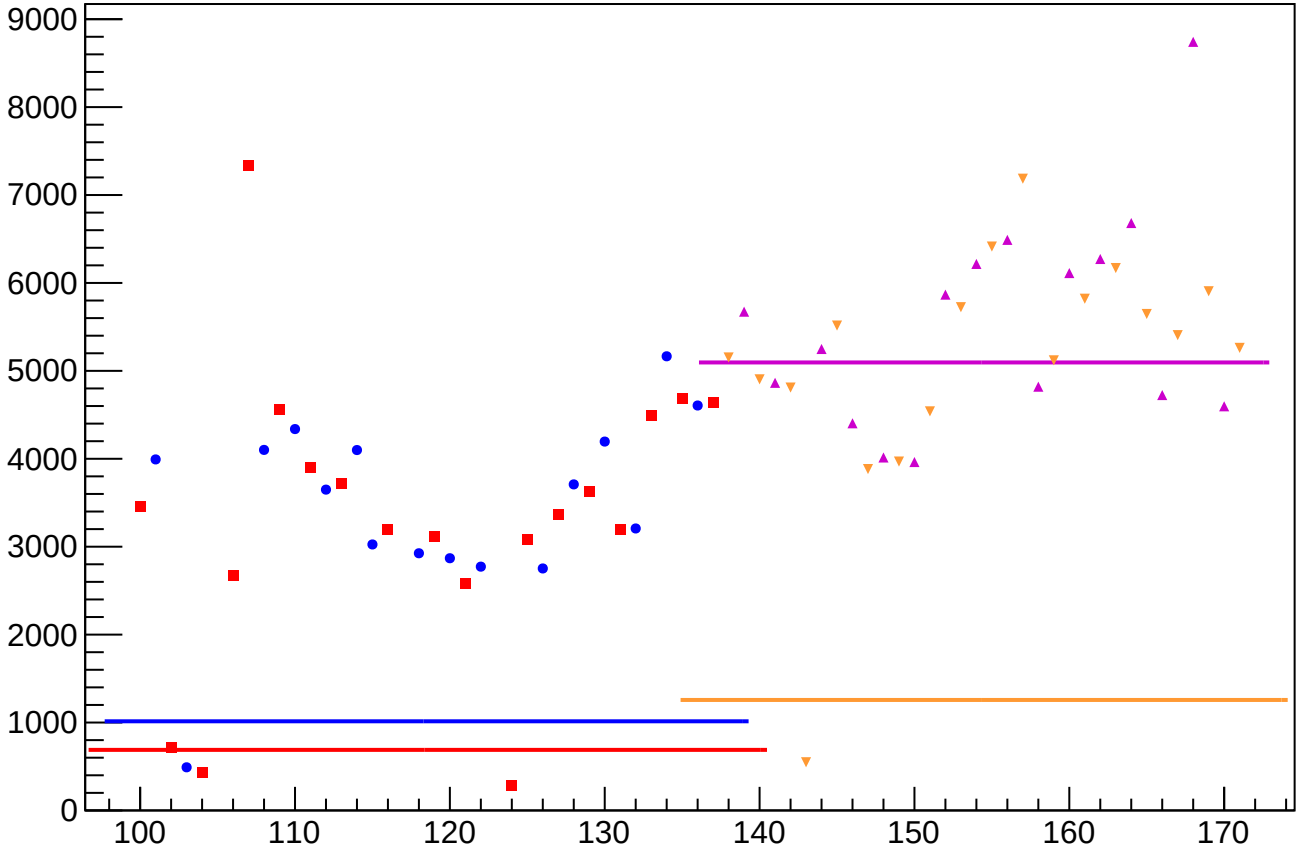
Left In: -1006.115+/-1433.586 χ^2/NDF:9.6/15

+ sign -380.151+/-403.032 χ^2/NDF: 42.3/33

All: -486.693+/-288.248 χ^2/NDF: 69.4/68

- sign -598.255+/-412.417 χ^2/NDF: 26.9/34

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1256.863+/-0.397 χ^2/NDF:18067081.1/17

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

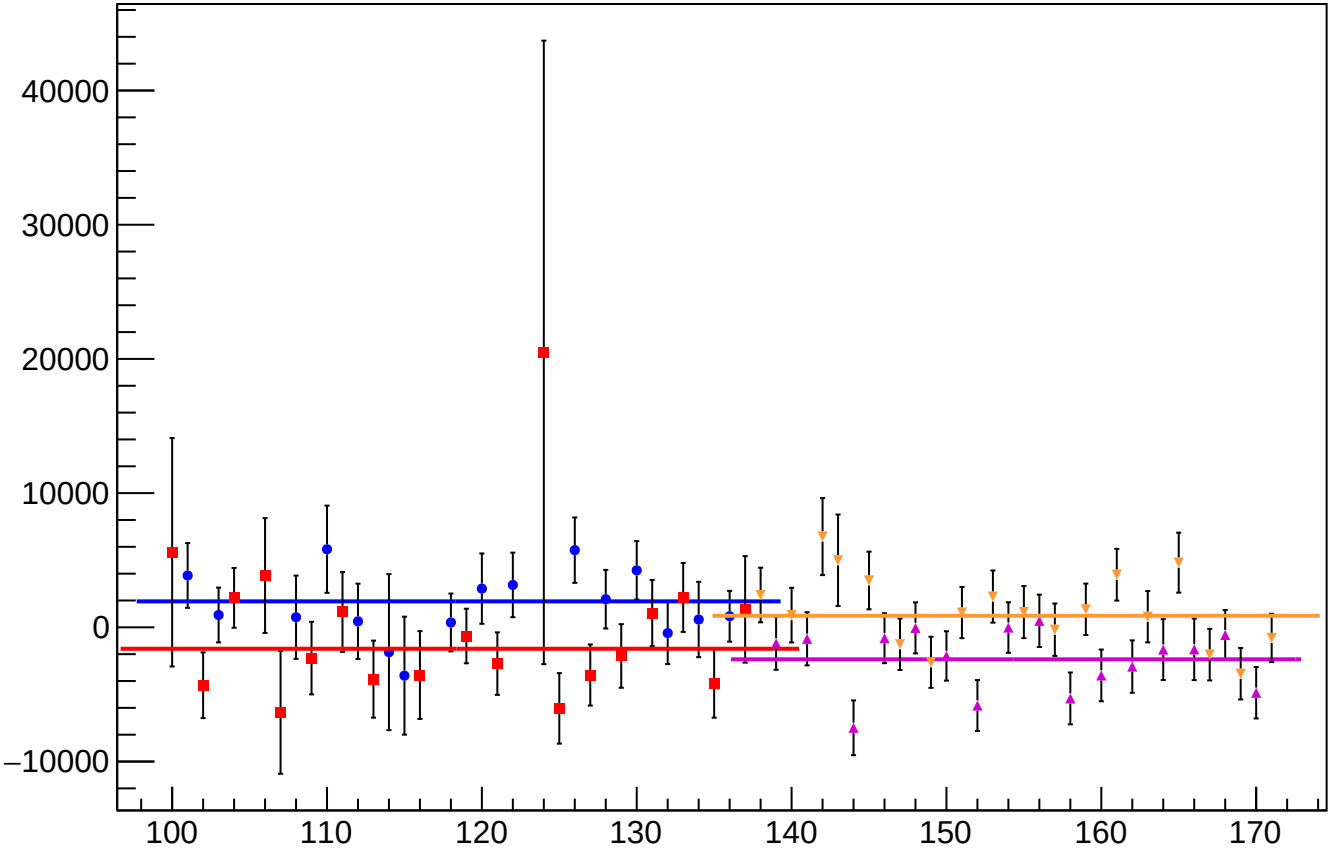
Left In: 5095.655+/-1.014 χ^2/NDF:997438.3/15

+ sign 1139.378+/-0.285 χ^2/NDF: 26471327.2/33

All: 1097.549+/-0.204 χ^2/NDF: 53756180.7/6

- sign 1053.750+/-0.292 χ^2/NDF: 27240752.7/34

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.389+/-477.320 χ^2/NDF:27.1/17

Right Out: -1595.521+/-642.212 χ^2/NDF: 19.4/18

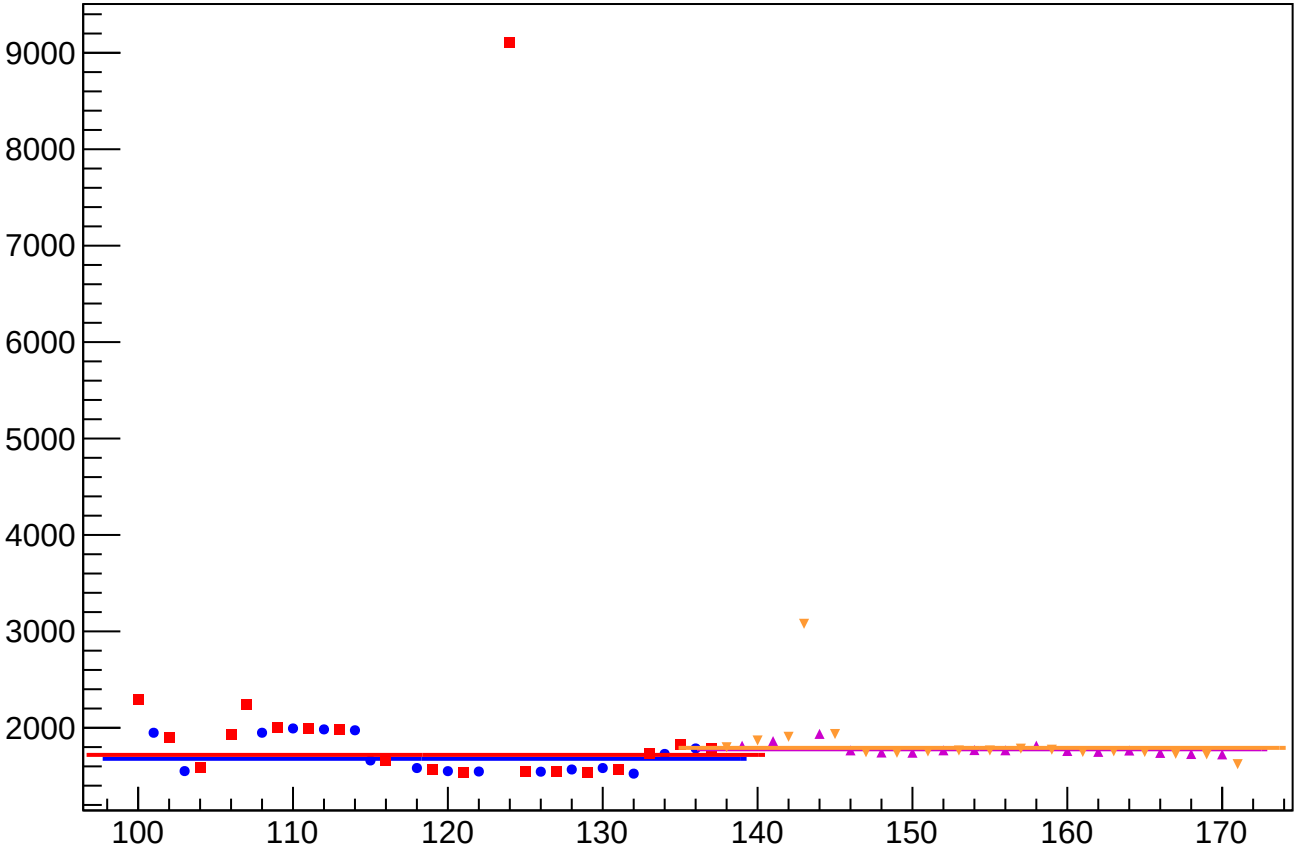
Left In: -2383.159+/-488.989 χ^2/NDF:22.1/15

+ sign 1255.194+/-379.984 χ^2/NDF: 39.8/33

All: -379.980+/-271.838 χ^2/NDF: 120.1/68

- sign -2094.104+/-389.050 χ^2/NDF: 42.4/34

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

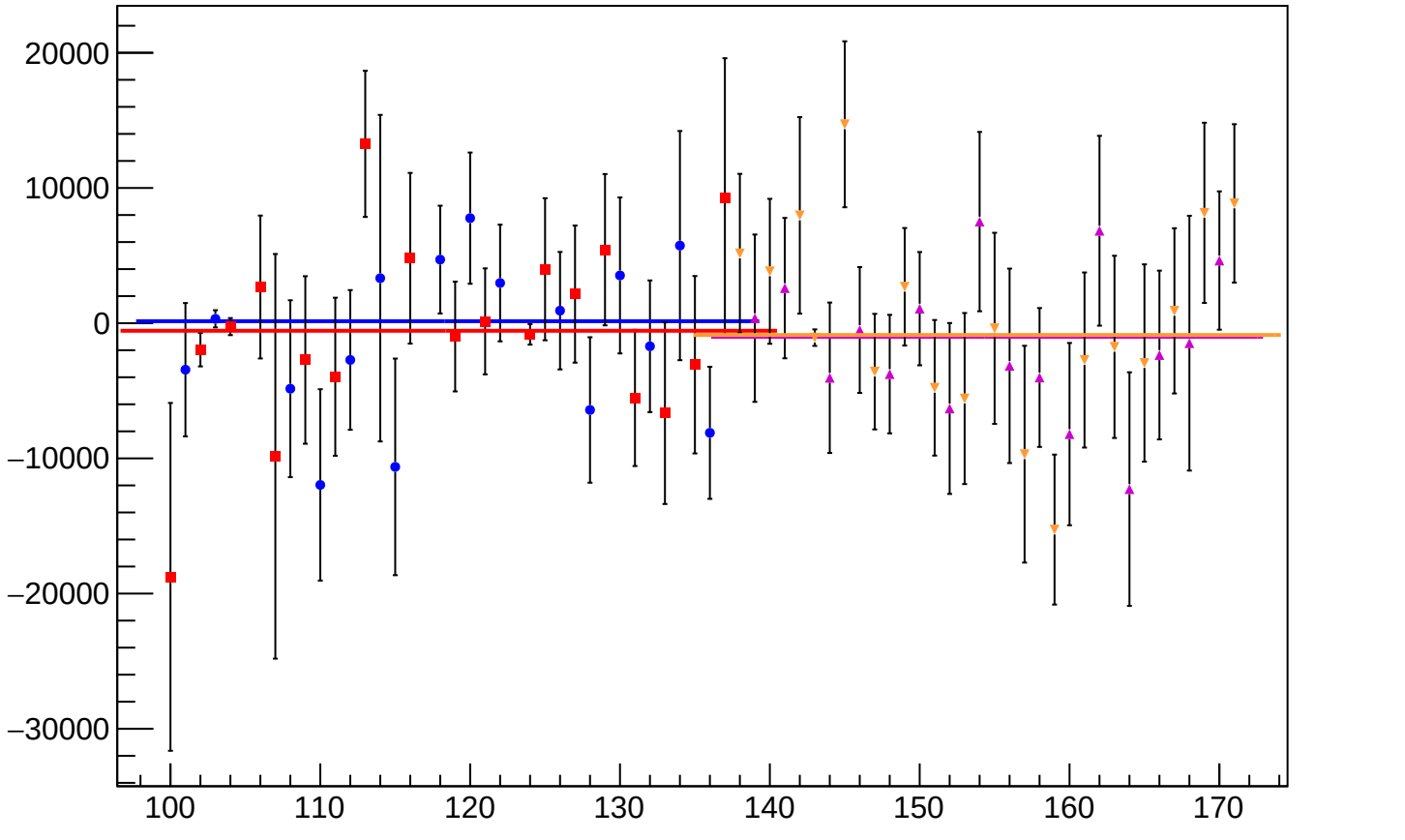
Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1777.148+/-0.346 χ^2/NDF:22937.7/15

+ sign 1750.373+/-0.269 χ^2/NDF: 511887.9/33

All: 1753.001+/-0.192 χ^2/NDF: 930326.2/68

- sign 1755.748+/-0.275 χ^2/NDF: 418242.6/34



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -874.061+/-561.033 χ^2/NDF:24.9/17

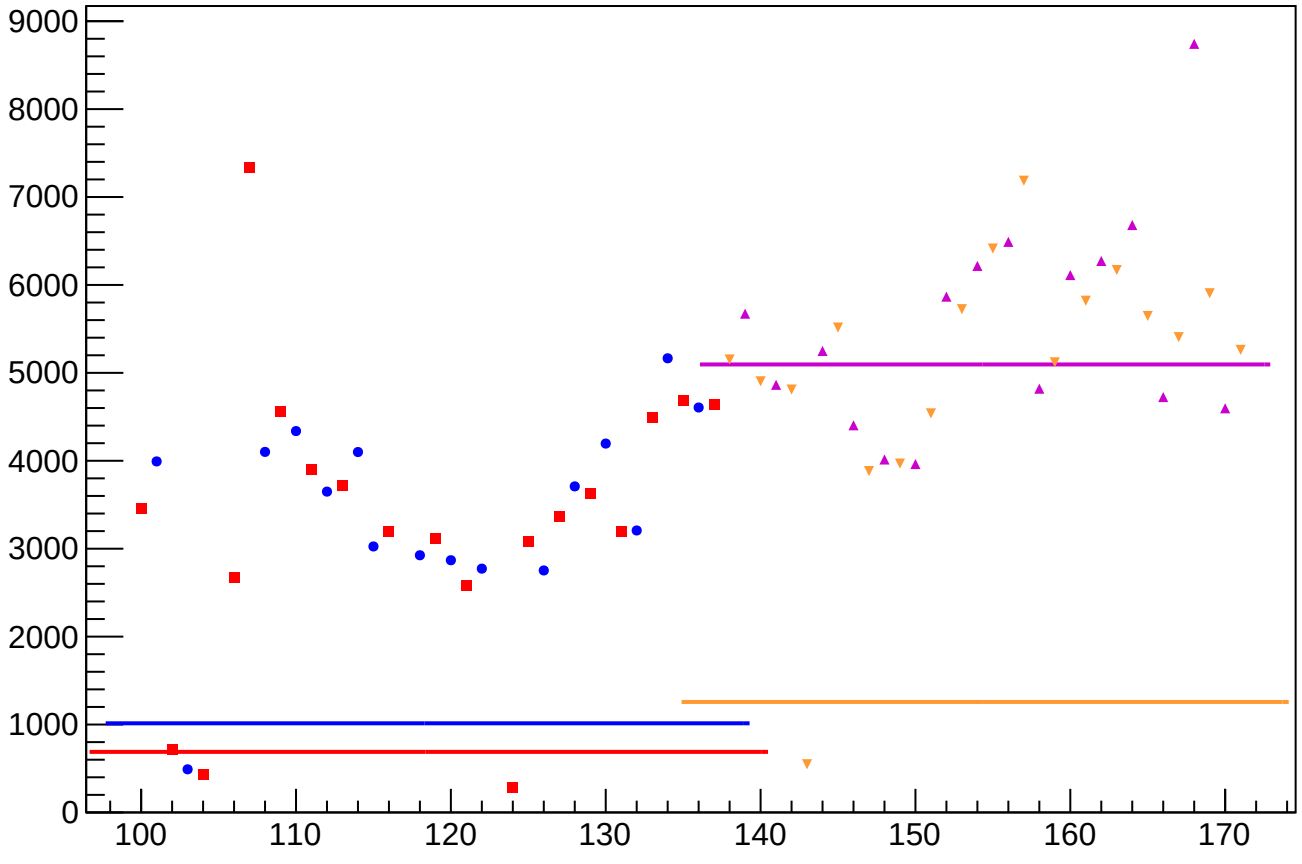
Right Out: -561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: -1006.115+/-1433.586 χ^2/NDF:9.6/15

\+ sign -380.151+/-403.032 χ^2/NDF: 42.3/33

All: -486.693+/-288.248 χ^2/NDF: 69.4/68

\- sign -598.255+/-412.417 χ^2/NDF: 26.9/34



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1256.863+/-0.397 χ^2/NDF:18067081.1/17

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

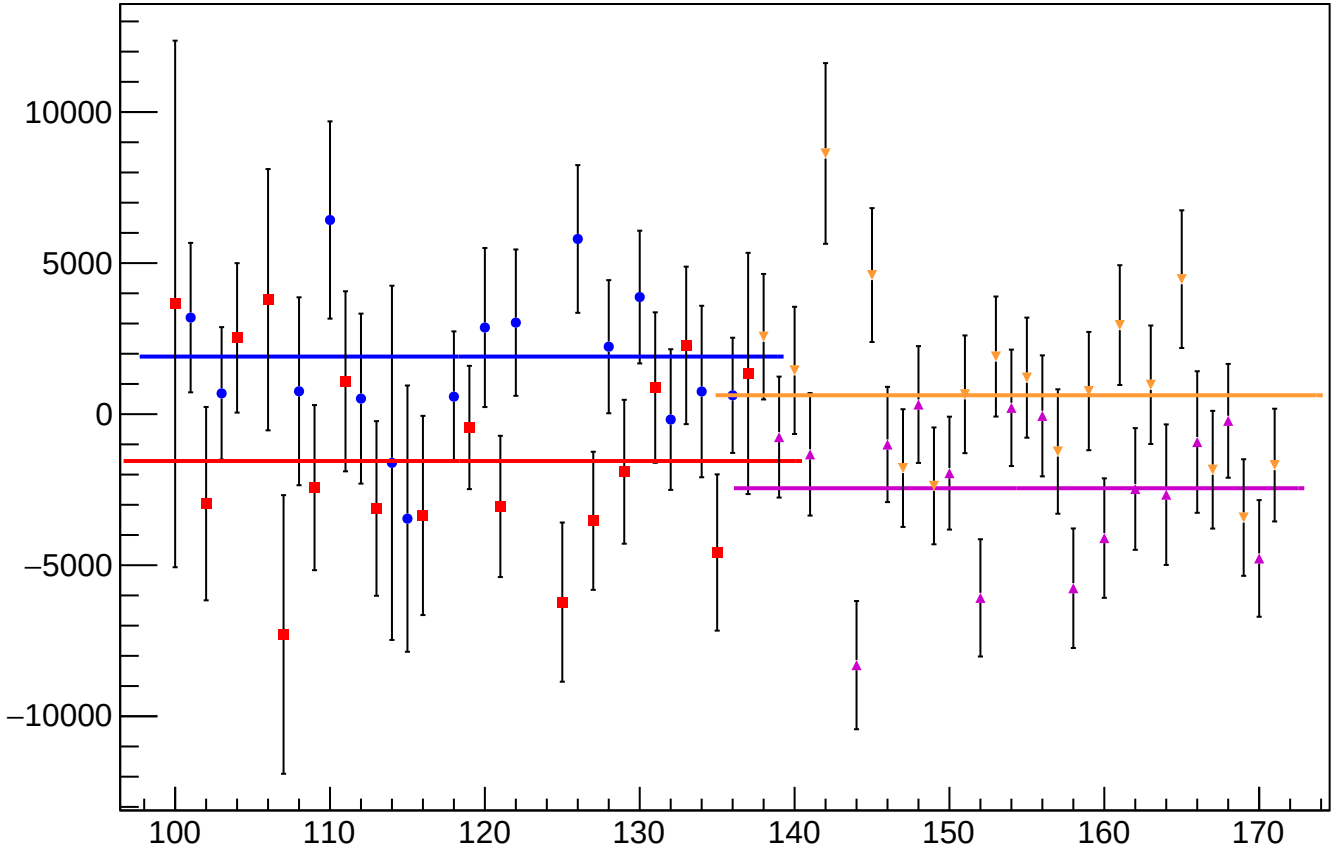
Left In: 5095.655+/-1.014 χ^2/NDF:997438.3/15

+ sign 1139.378+/-0.285 χ^2/NDF: 26471327.2/33

All: 1097.549+/-0.204 χ^2/NDF: 53756180.7/6

- sign 1053.750+/-0.292 χ^2/NDF: 27240752.7/34

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 625.905+/-494.098 χ^2/NDF:28.5/16

Right Out: -1550.986+/-661.054 χ^2/NDF: 17.5/17

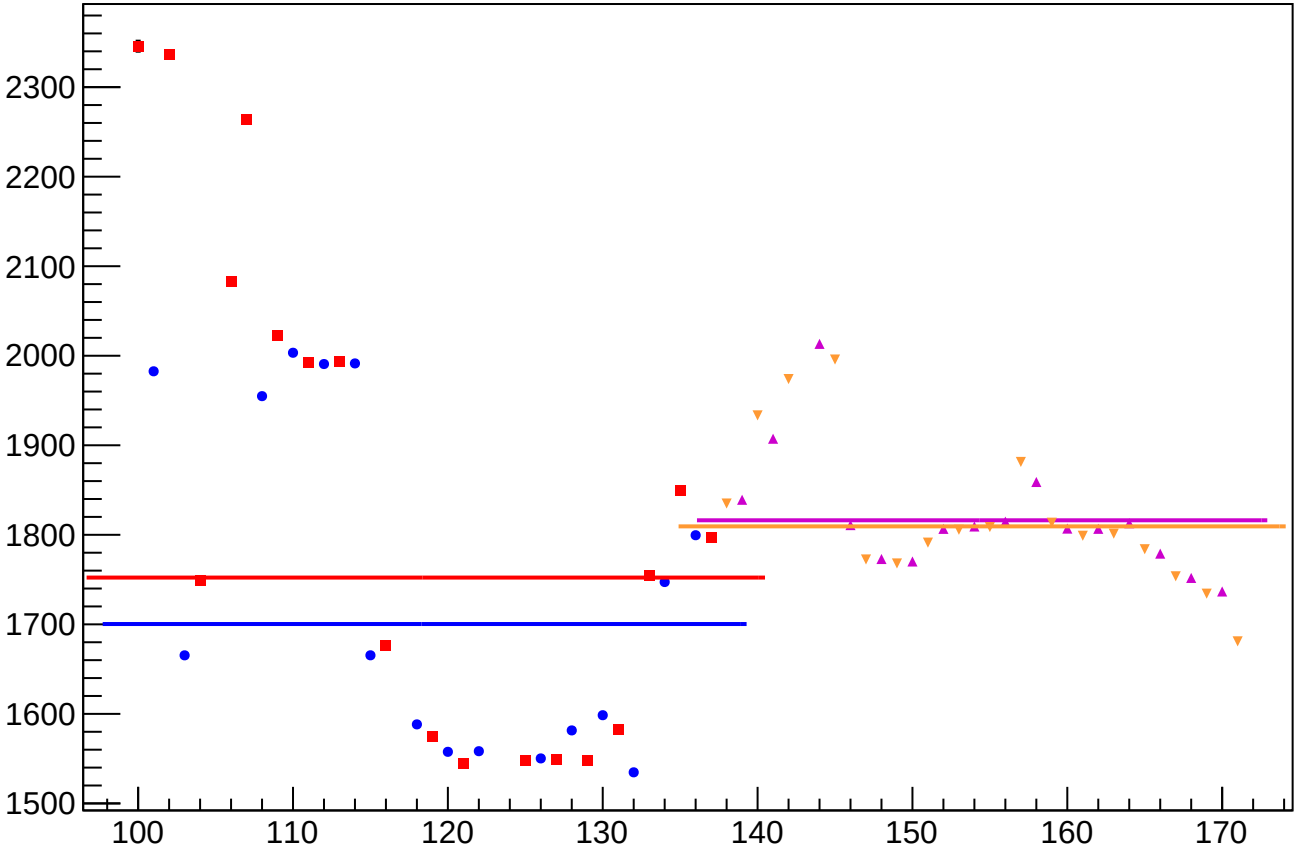
Left In: -2451.859+/-499.847 χ^2/NDF:25.0/15

+ sign 1107.379+/-390.286 χ^2/NDF: 41.2/32

All: -473.929+/-278.901 χ^2/NDF: 118.3/66

- sign -2124.154+/-398.700 χ^2/NDF: 43.6/33

dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1809.427+/-0.349 χ^2/NDF:46192.1/16

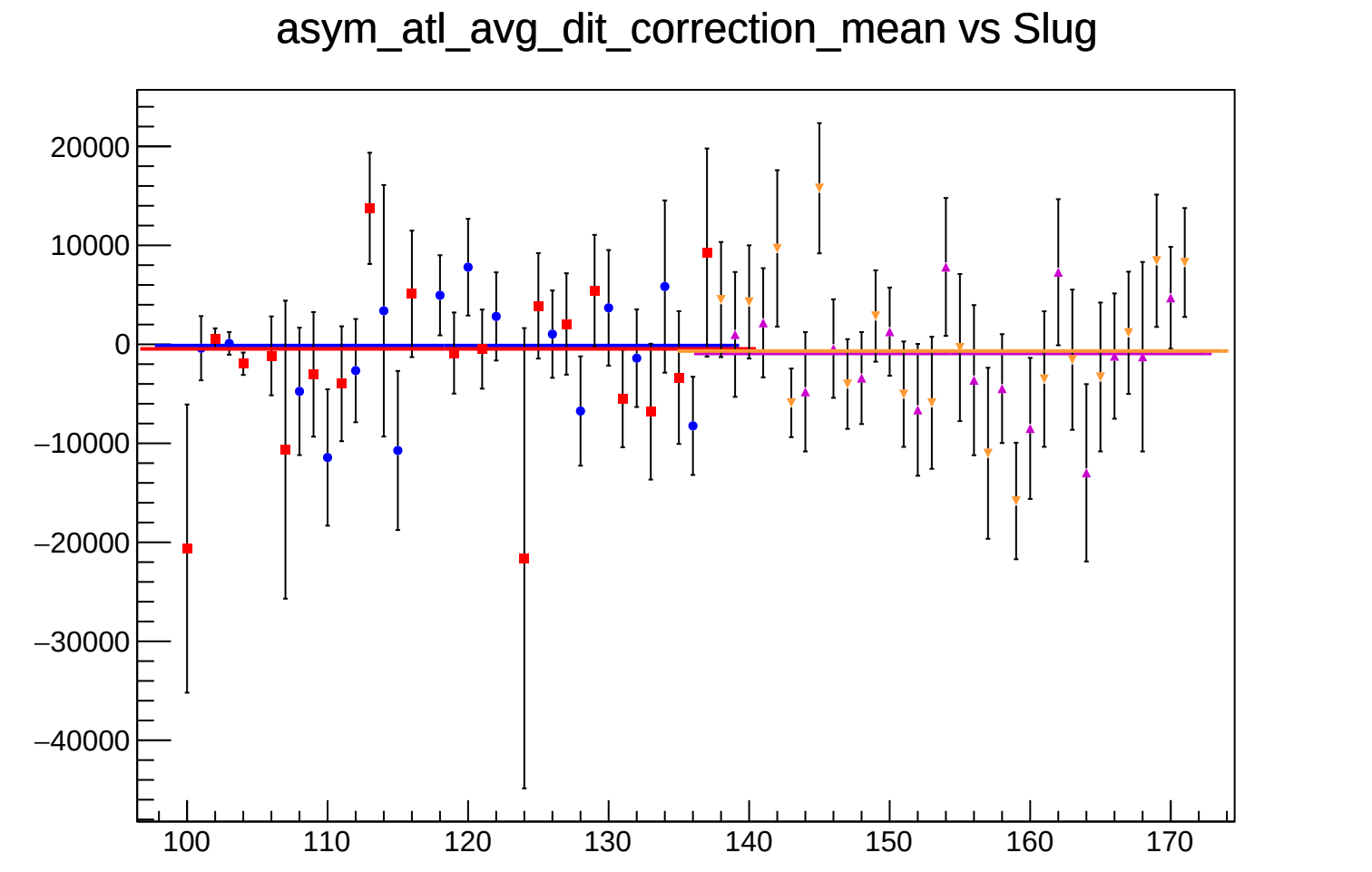
Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1816.224+/-0.353 χ^2/NDF:31113.4/15

+ sign 1768.410+/-0.276 χ^2/NDF: 218261.3/32

All: 1780.394+/-0.197 χ^2/NDF: 513134.5/66

- sign 1792.881+/-0.282 χ^2/NDF: 291022.4/33



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -672.020+/-1364.646 χ^2/NDF:27.2/17

Right Out: -459.431+/-679.157 χ^2/NDF: 18.5/18

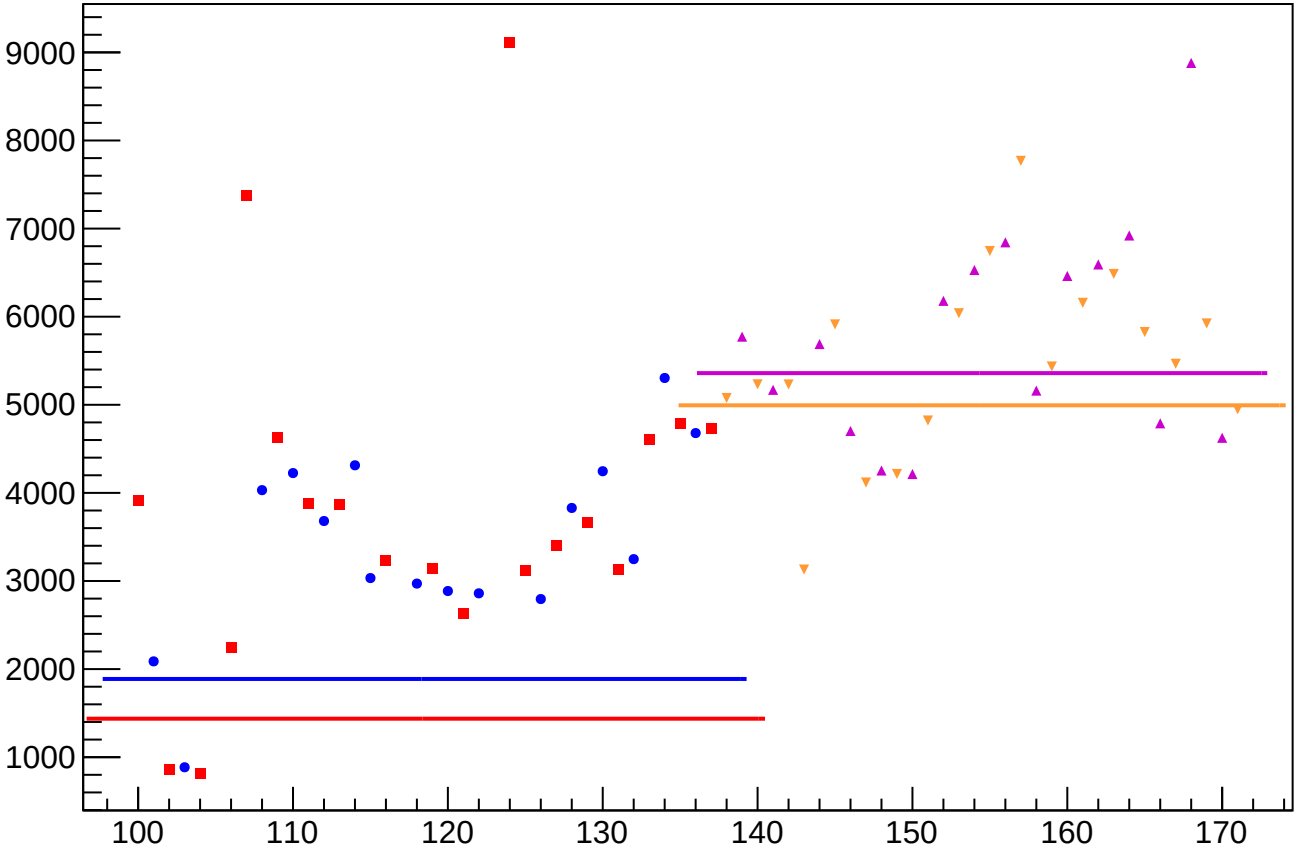
Left In: -921.064+/-1506.710 χ^2/NDF:9.6/15

+ sign -282.806+/-732.185 χ^2/NDF: 42.4/33

All: -431.240+/-472.781 χ^2/NDF: 70.6/68

- sign -537.387+/-619.163 χ^2/NDF: 28.2/34

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4994.116+/-0.965 χ^2/NDF:1356821.5/17

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

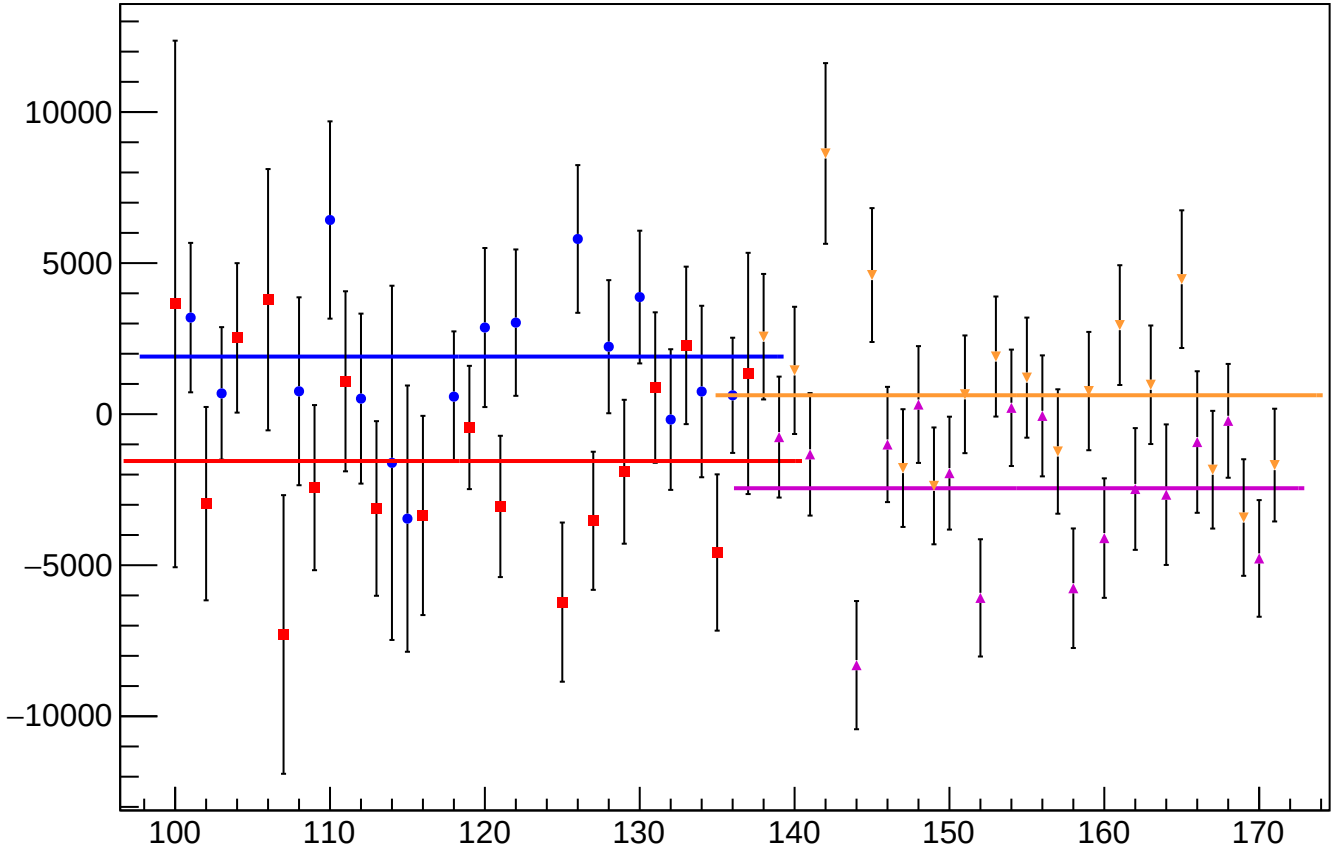
Left In: 5359.534+/-1.065 χ^2/NDF:955515.6/15

+ sign 2782.167+/-0.518 χ^2/NDF: 13161269.1/33

All: 2384.125+/-0.334 χ^2/NDF: 32360221.6/6

- sign 2099.485+/-0.438 χ^2/NDF: 18185189.8/34

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 625.903+/-494.098 χ^2/NDF:28.5/16

Right Out: -1550.983+/-661.054 χ^2/NDF: 17.5/17

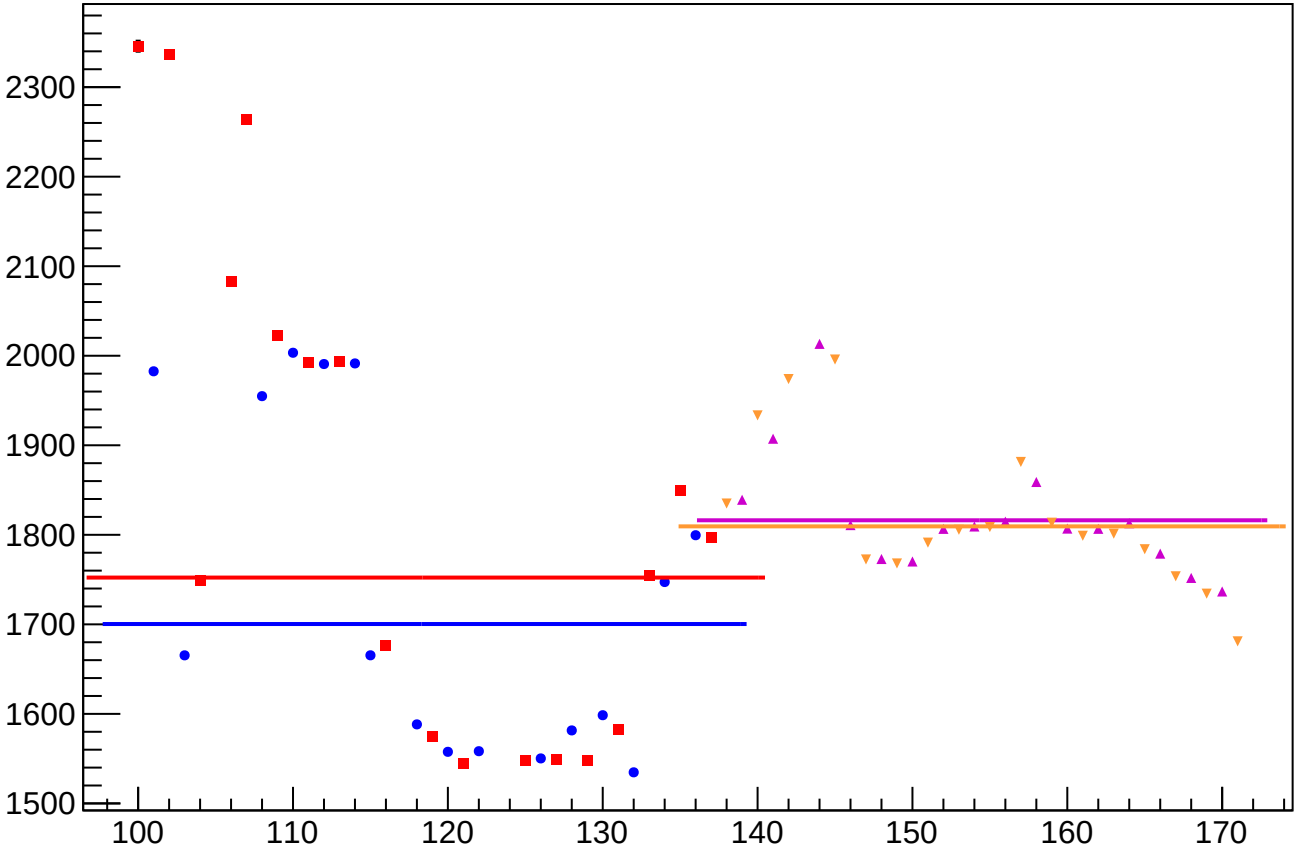
Left In: -2451.860+/-499.848 χ^2/NDF:25.0/15

+ sign 1107.377+/-390.286 χ^2/NDF: 41.2/32

All: -473.929+/-278.901 χ^2/NDF: 118.3/66

- sign -2124.154+/-398.701 χ^2/NDF: 43.6/33

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1809.427+/-0.349 χ^2/NDF:46193.8/16

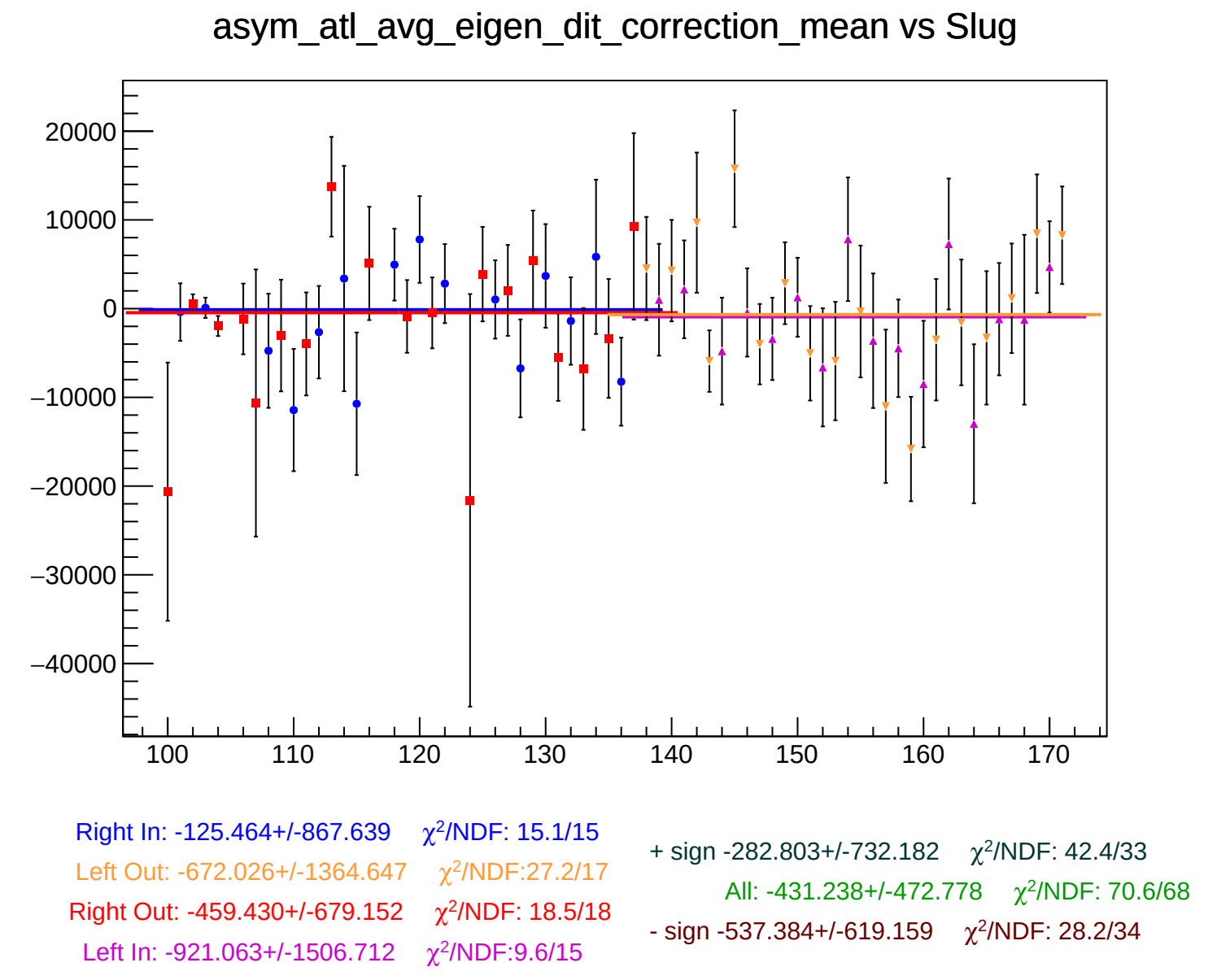
Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1816.225+/-0.353 χ^2/NDF:31113.8/15

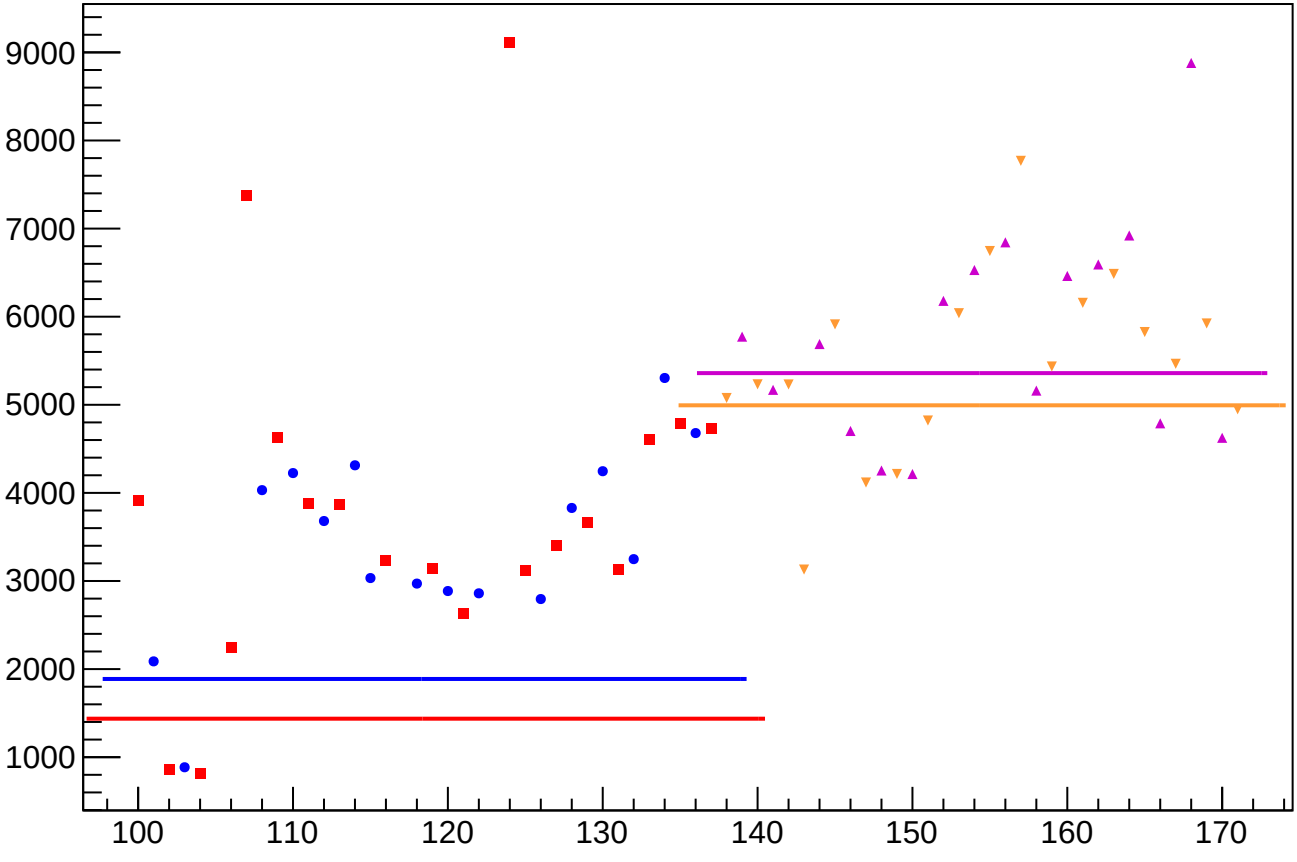
+ sign 1768.410+/-0.276 χ^2/NDF: 218263.8/32

All: 1780.395+/-0.197 χ^2/NDF: 513137.7/66

- sign 1792.881+/-0.282 χ^2/NDF: 291023.0/33


asym_atl_avg_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -672.026+/-1364.647 χ²/NDF:27.2/17
Right Out: -459.430+/-679.152 χ²/NDF: 18.5/18
Left In: -921.063+/-1506.712 χ²/NDF:9.6/15
+ sign -282.803+/-732.182 χ²/NDF: 42.4/33
All: -431.238+/-472.778 χ²/NDF: 70.6/68
- sign -537.384+/-619.159 χ²/NDF: 28.2/34

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4994.122+/-0.965 χ^2/NDF:1356828.9/17

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

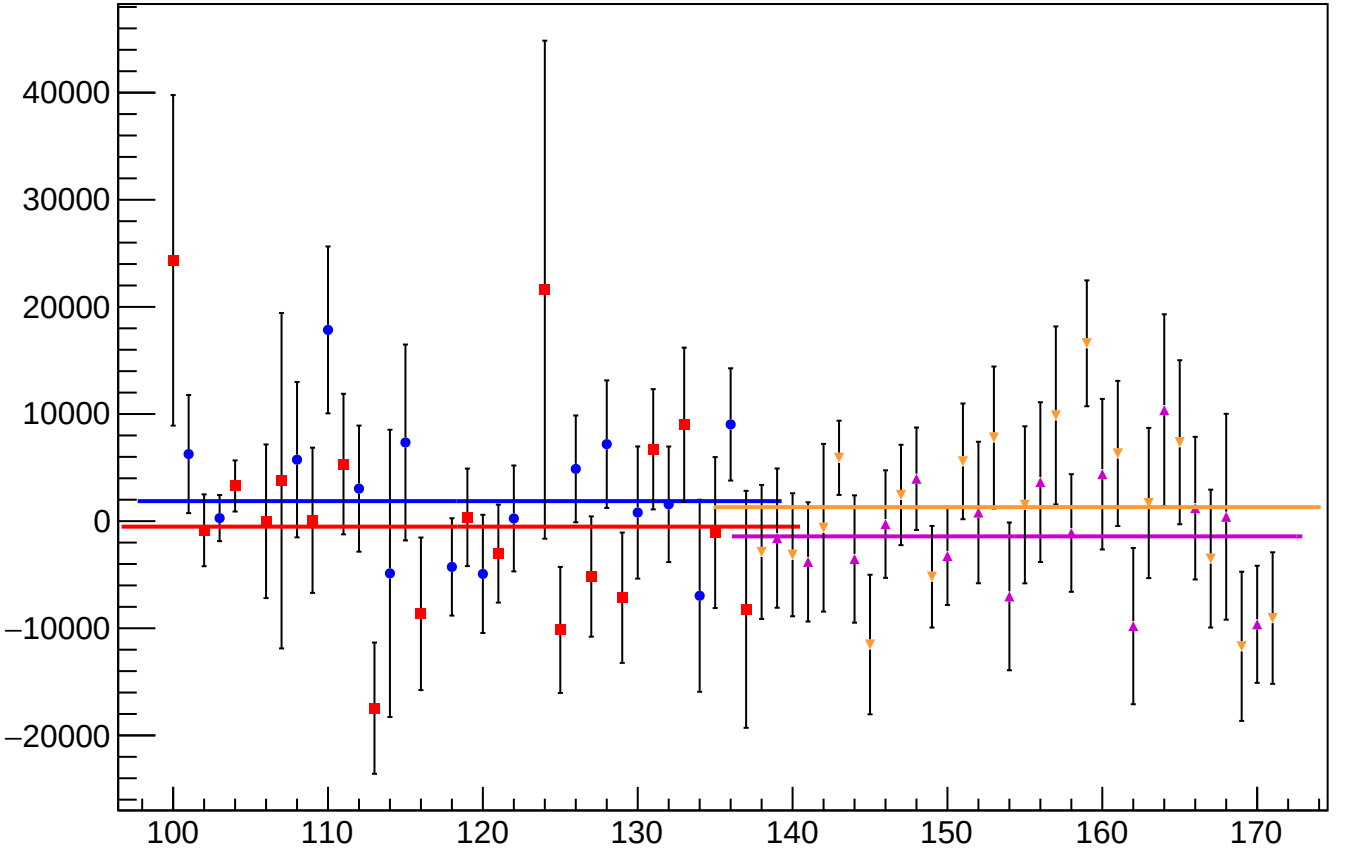
Left In: 5359.540+/-1.065 χ^2/NDF:955519.5/15

+ sign 2782.147+/-0.518 χ^2/NDF: 13161433.5/33

All: 2384.105+/-0.334 χ^2/NDF: 32360553.1/6

- sign 2099.465+/-0.438 χ^2/NDF: 18185347.6/34

asym_atl_avg_mean vs Slug



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1306.882+/-1388.577 χ^2/NDF:26.2/17

Right Out: -512.528+/-1241.513 χ^2/NDF: 24.7/18

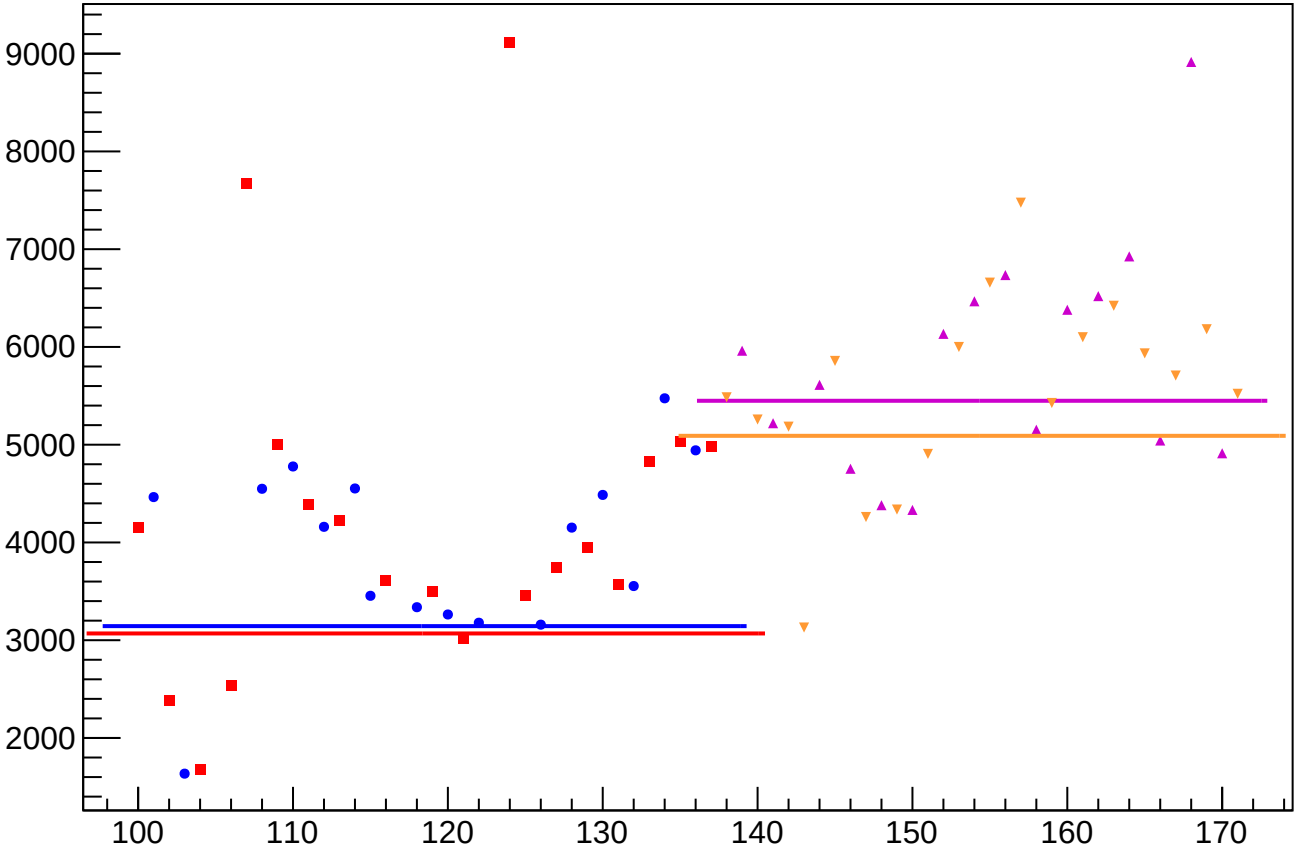
Left In: -1422.664+/-1526.899 χ^2/NDF:9.2/15

+ sign 1614.038+/-932.777 χ^2/NDF: 40.1/33

All: 409.661+/-670.096 χ^2/NDF: 77.6/68

- sign -874.760+/-963.275 χ^2/NDF: 34.1/34

asym_atl_avg_rms vs Slug



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5090.813+/-0.982 χ^2/NDF:1312247.8/17

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

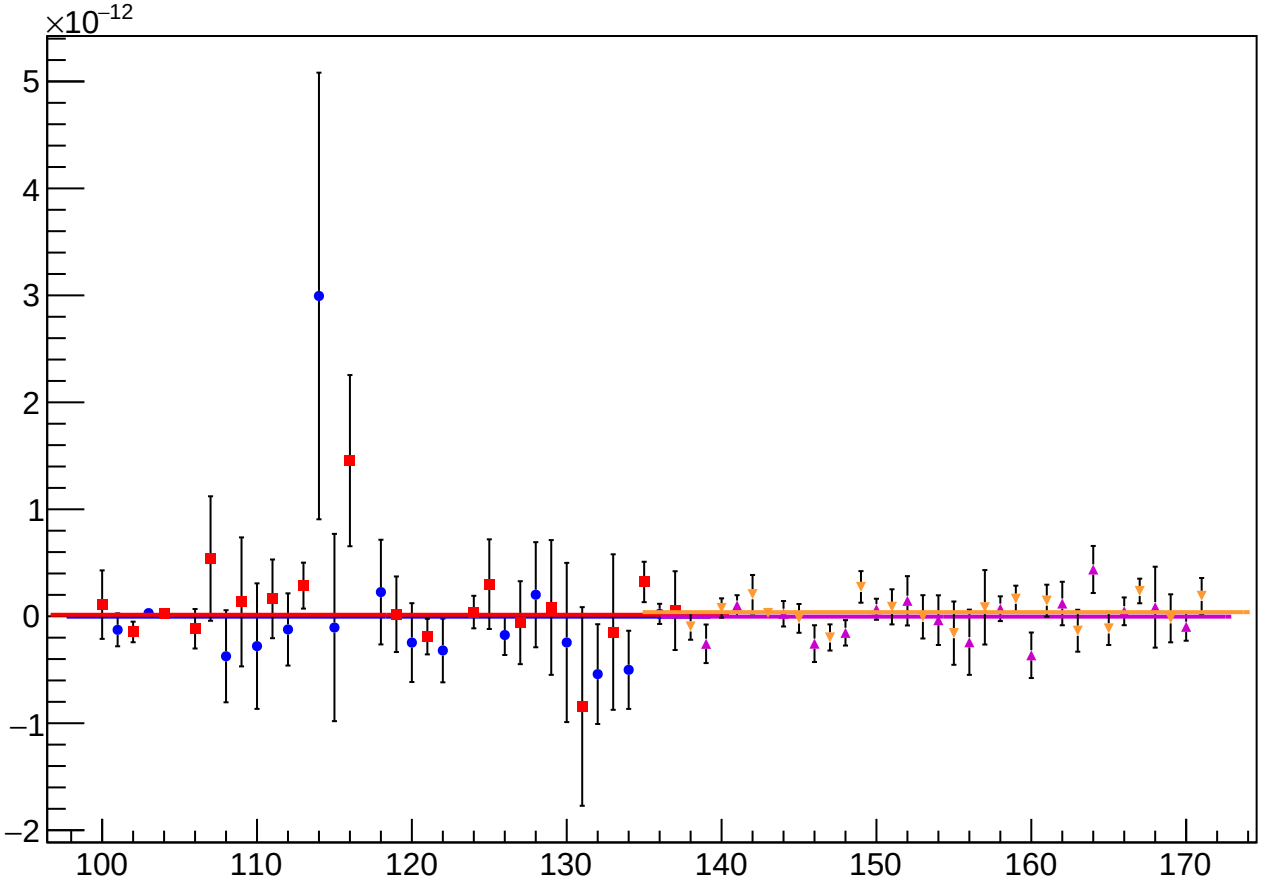
Left In: 5449.230+/-1.080 χ^2/NDF:824386.9/15

+ sign 4022.570+/-0.660 χ^2/NDF: 5352406.2/33

All: 4010.824+/-0.472 χ^2/NDF: 11021102.7/6

- sign 3998.533+/-0.675 χ^2/NDF: 5668047.4/34

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:16.6/17

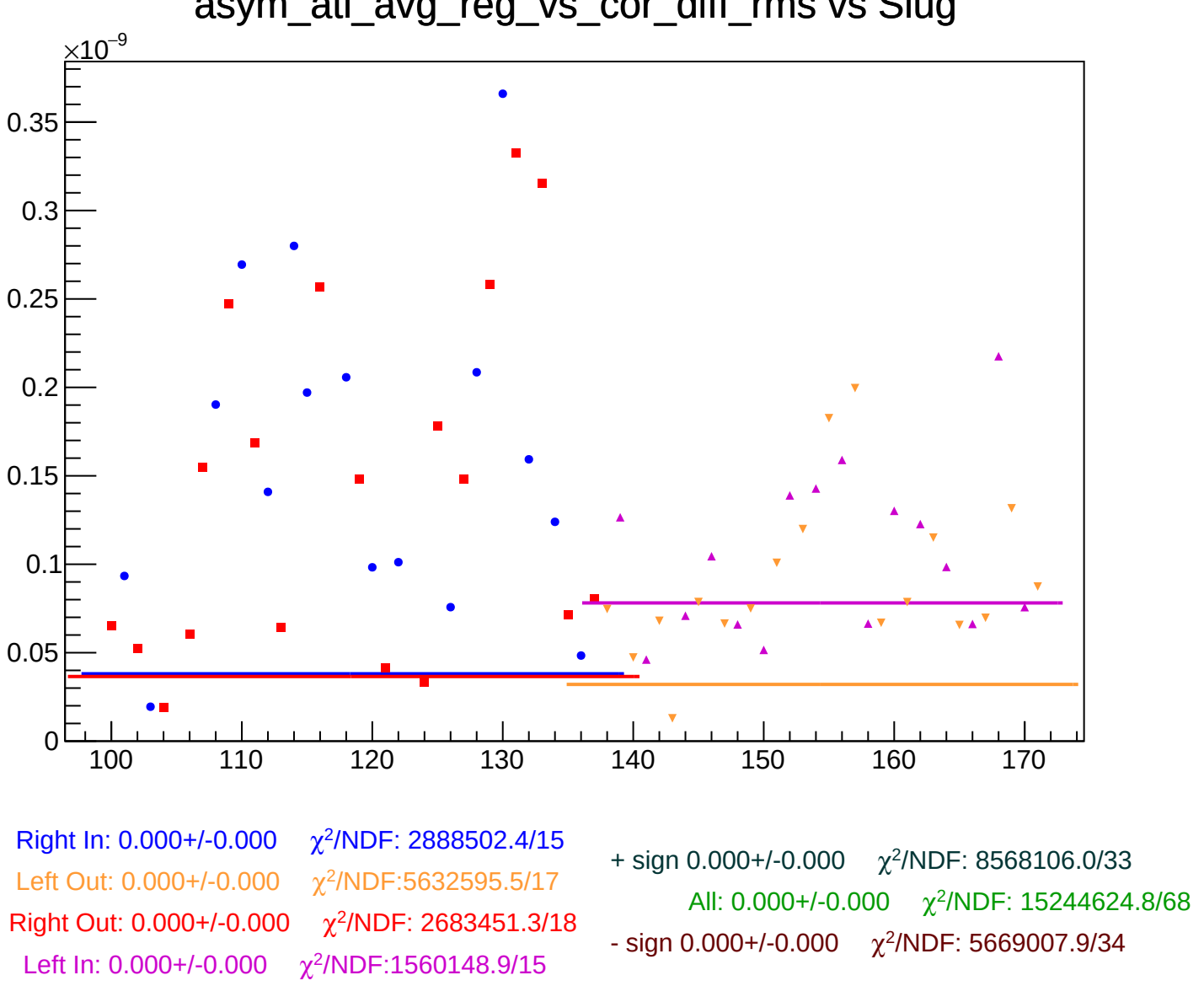
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/15

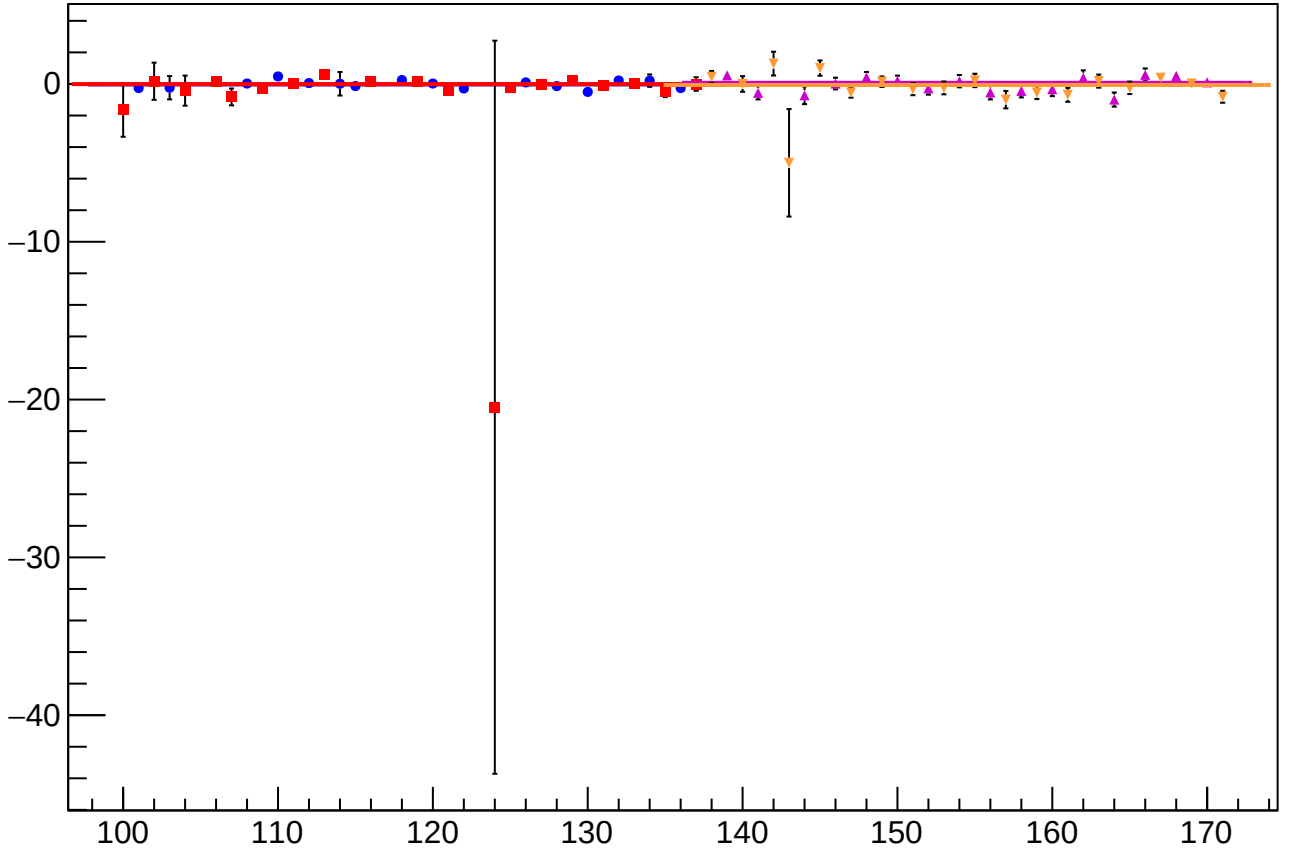
+ sign 0.000+/-0.000 χ^2/NDF: 28.4/33

All: 0.000+/-0.000 χ^2/NDF: 60.8/68

- sign 0.000+/-0.000 χ^2/NDF: 31.9/34


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2888502.4/15
Left Out: 0.000+/-0.000 χ²/NDF:5632595.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 2683451.3/18
Left In: 0.000+/-0.000 χ²/NDF:1560148.9/15
+ sign 0.000+/-0.000 χ²/NDF: 8568106.0/33
All: 0.000+/-0.000 χ²/NDF: 15244624.8/68
- sign 0.000+/-0.000 χ²/NDF: 5669007.9/34

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

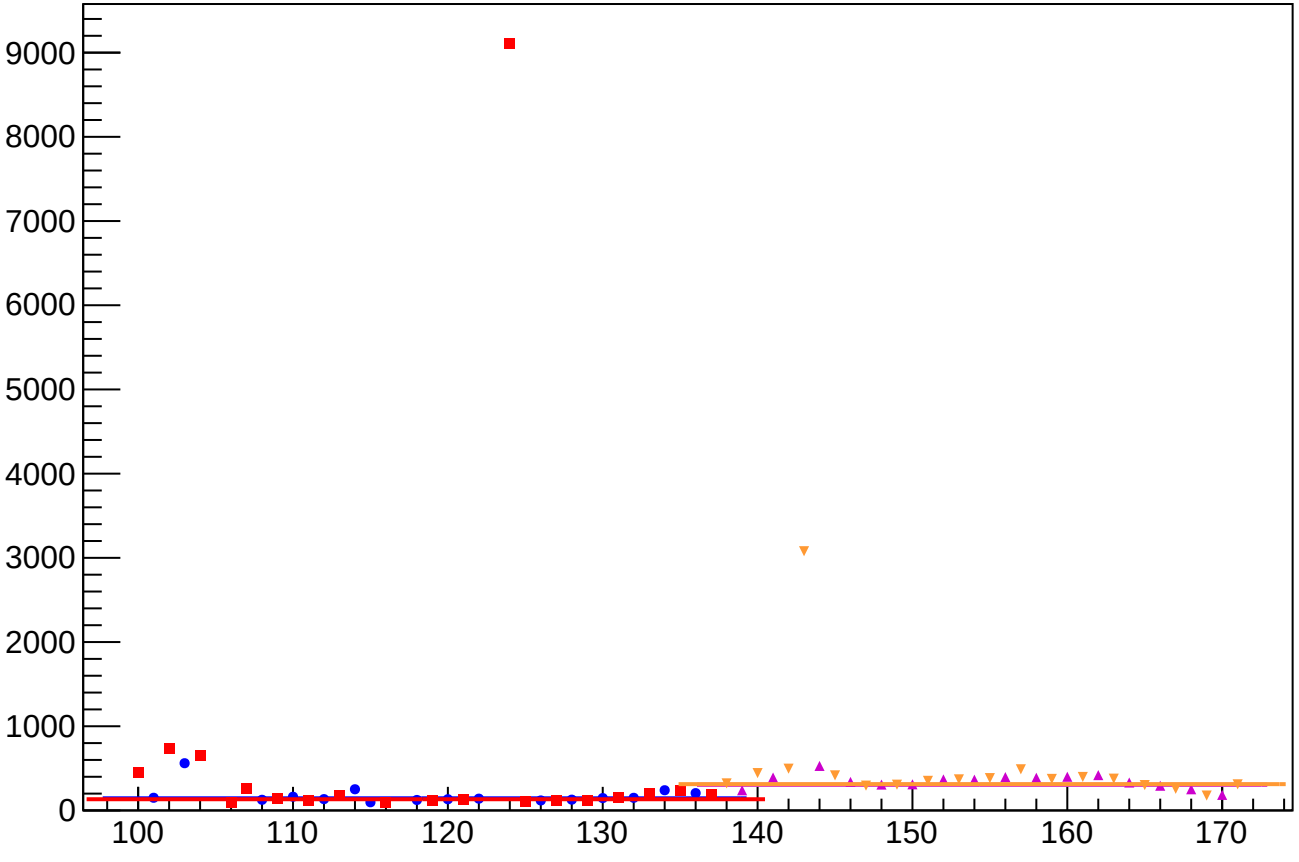
Left In: 0.074+/-0.088 χ^2/NDF:23.8/15

+ sign -0.039+/-0.049 χ^2/NDF: 46.6/33

All: -0.012+/-0.034 χ^2/NDF: 93.5/68

- sign 0.014+/-0.048 χ^2/NDF: 46.3/34

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.440+/-0.063 χ^2/NDF:3163846.2/17

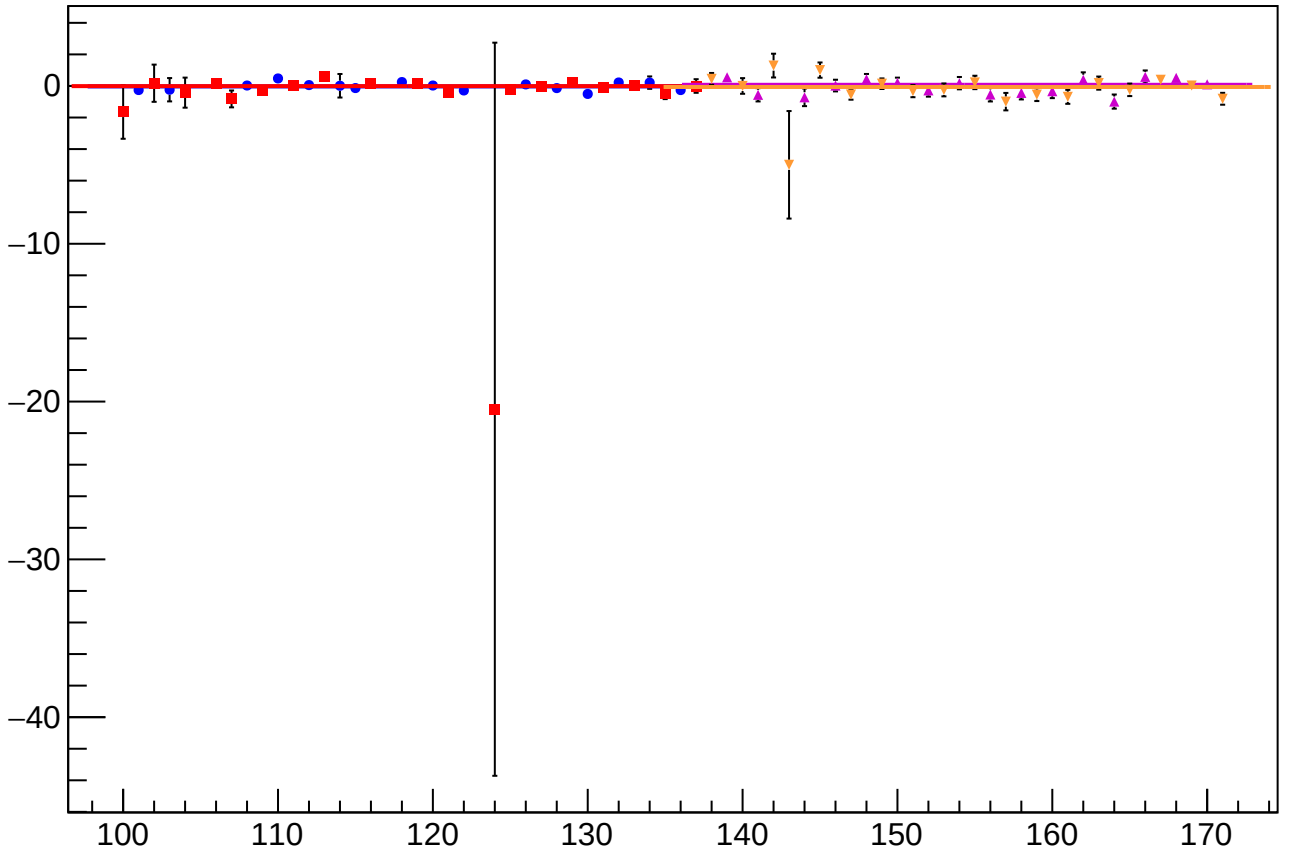
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 305.182+/-0.063 χ^2/NDF:1750851.6/15

+ sign 193.726+/-0.034 χ^2/NDF: 9264206.0/33

All: 188.311+/-0.024 χ^2/NDF: 18652567.3/68

- sign 183.110+/-0.034 χ^2/NDF: 9339668.1/34



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

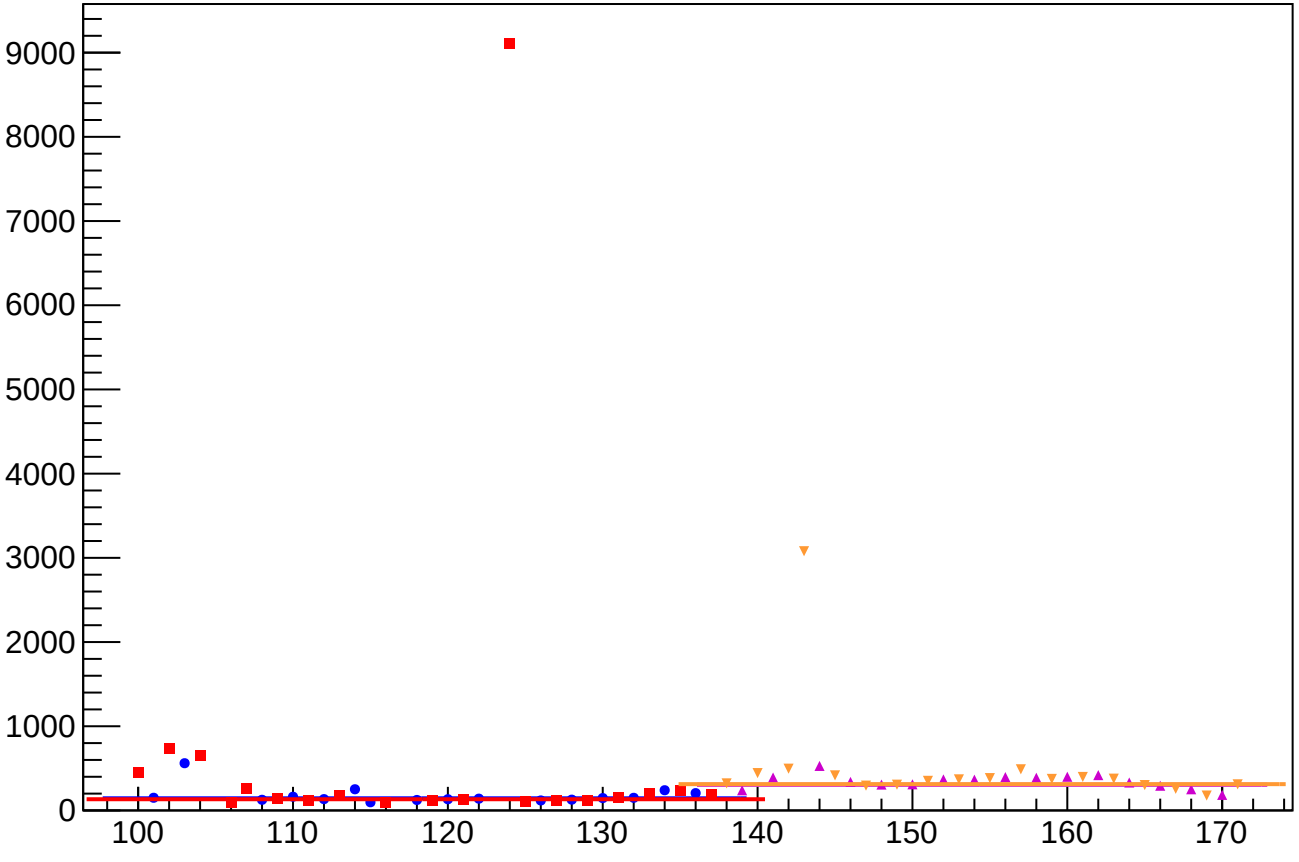
Left In: 0.074+/-0.088 χ^2/NDF:23.8/15

+ sign -0.039+/-0.049 χ^2/NDF: 46.6/33

All: -0.012+/-0.034 χ^2/NDF: 93.5/68

- sign 0.014+/-0.048 χ^2/NDF: 46.3/34

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: 312.440+/-0.063 χ^2/NDF:3163846.2/17

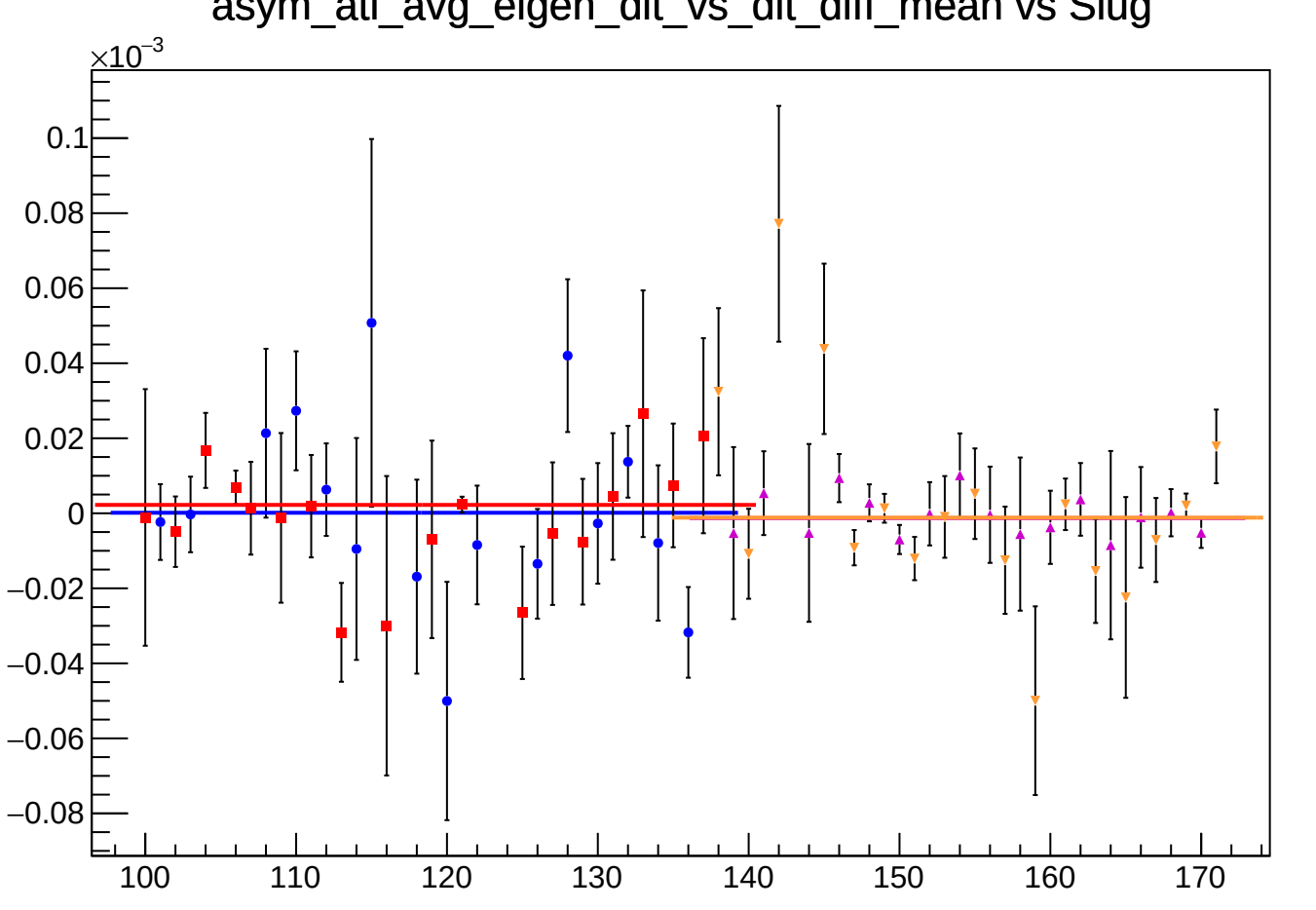
Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

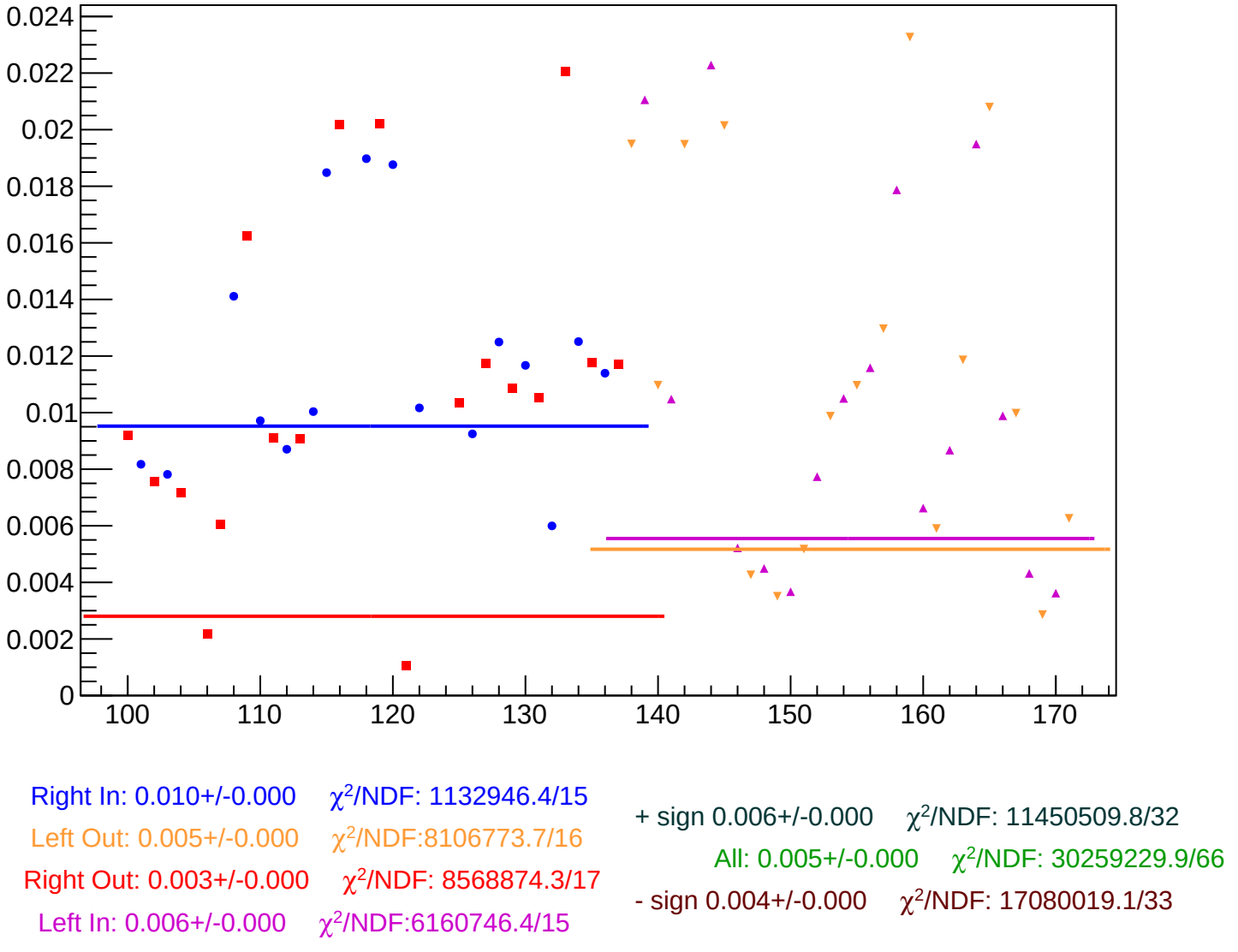
Left In: 305.182+/-0.063 χ^2/NDF:1750851.6/15

+ sign 193.726+/-0.034 χ^2/NDF: 9264206.0/33

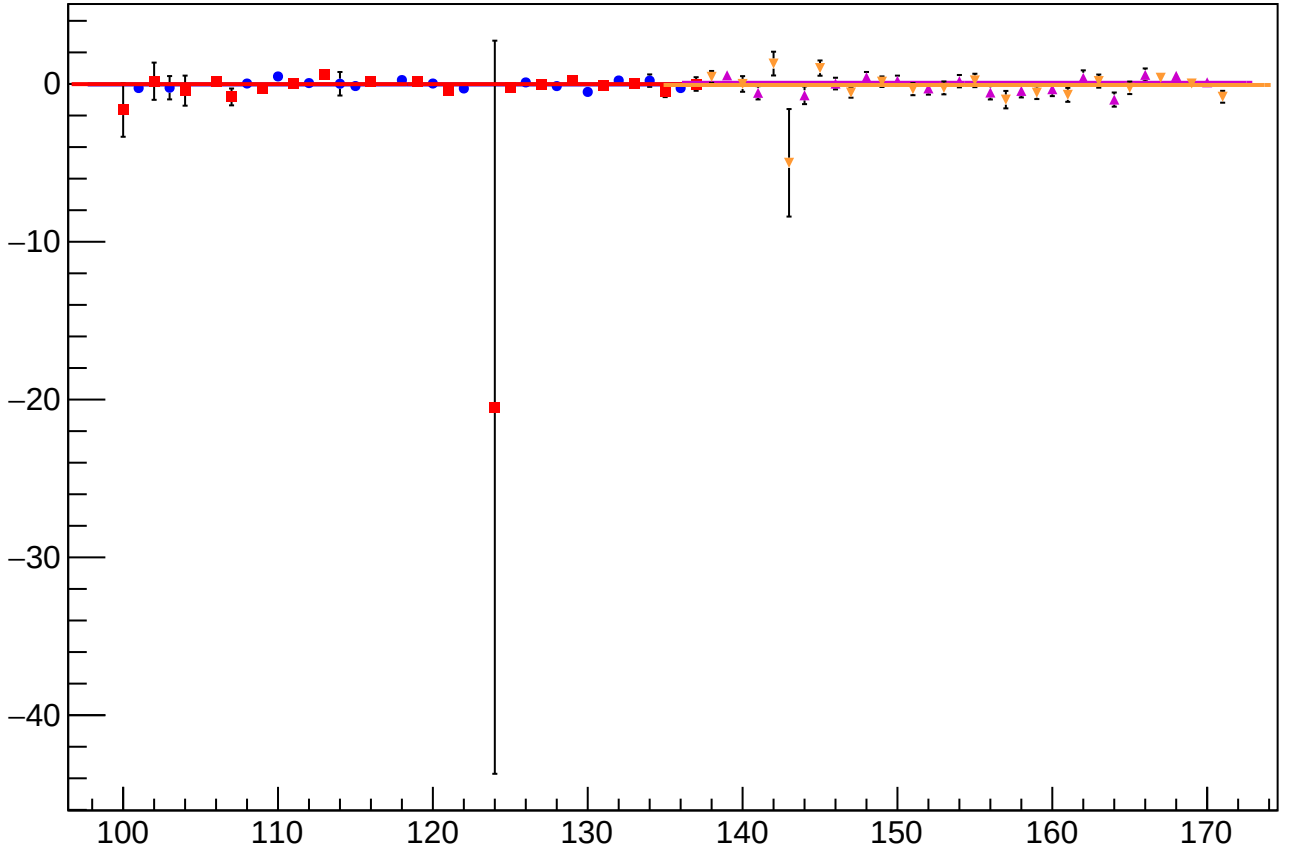
All: 188.311+/-0.024 χ^2/NDF: 18652567.3/68

- sign 183.110+/-0.034 χ^2/NDF: 9339668.1/34


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:31.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/17
Left In: -0.000+/-0.000 χ²/NDF:8.5/15
+ sign -0.000+/-0.000 χ²/NDF: 54.5/32
All: 0.000+/-0.000 χ²/NDF: 81.1/66
- sign 0.000+/-0.000 χ²/NDF: 26.0/33


asym_atl_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
0
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.000 χ²/NDF: 1132946.4/15
Left Out: 0.005+/-0.000 χ²/NDF:8106773.7/16
Right Out: 0.003+/-0.000 χ²/NDF: 8568874.3/17
Left In: 0.006+/-0.000 χ²/NDF:6160746.4/15
+ sign 0.006+/-0.000 χ²/NDF: 11450509.8/32
All: 0.005+/-0.000 χ²/NDF: 30259229.9/66
- sign 0.004+/-0.000 χ²/NDF: 17080019.1/33

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: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

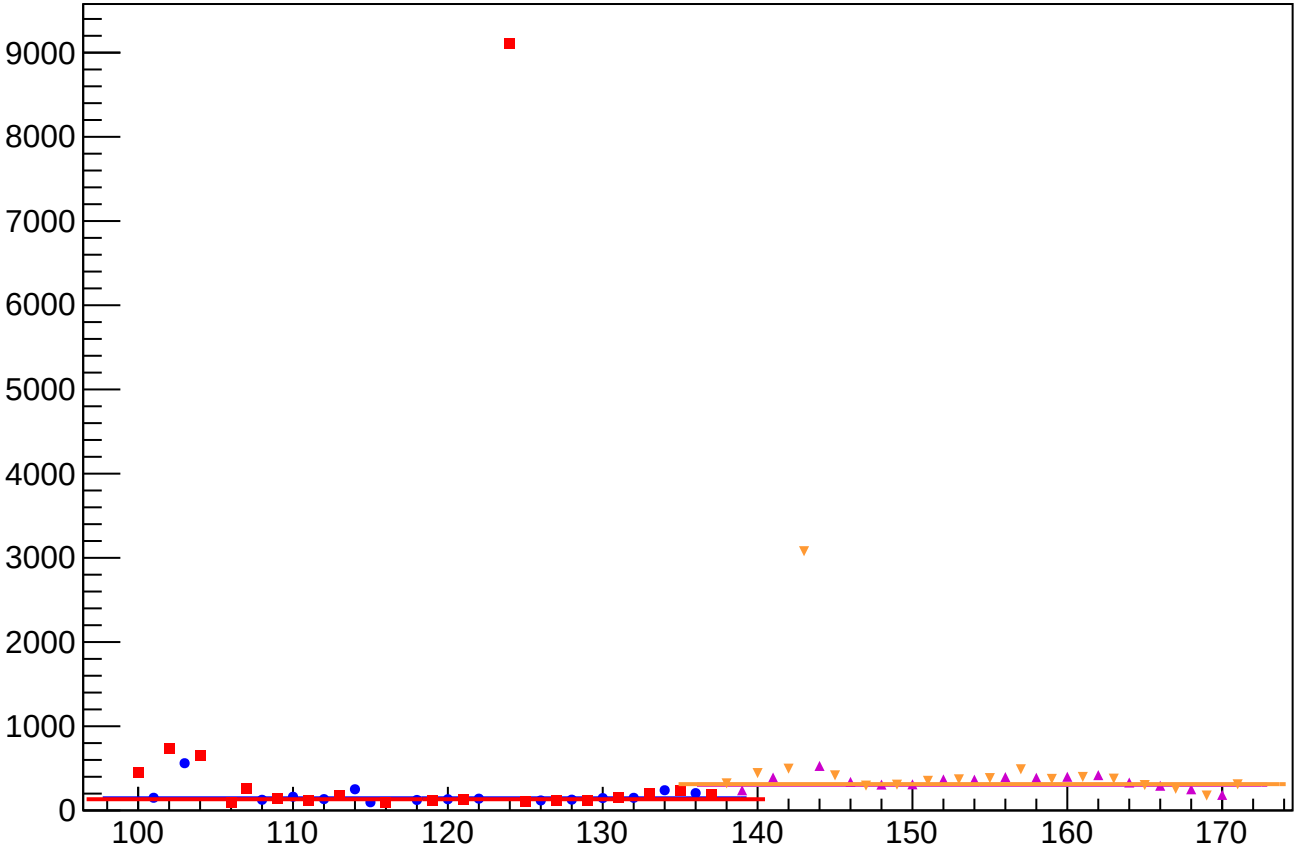
Left In: 0.074+/-0.088 χ^2/NDF:23.8/15

+ sign -0.039+/-0.049 χ^2/NDF: 46.6/33

All: -0.012+/-0.034 χ^2/NDF: 93.5/68

- sign 0.014+/-0.048 χ^2/NDF: 46.3/34

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: 312.443+/-0.063 χ^2/NDF:3163926.3/17

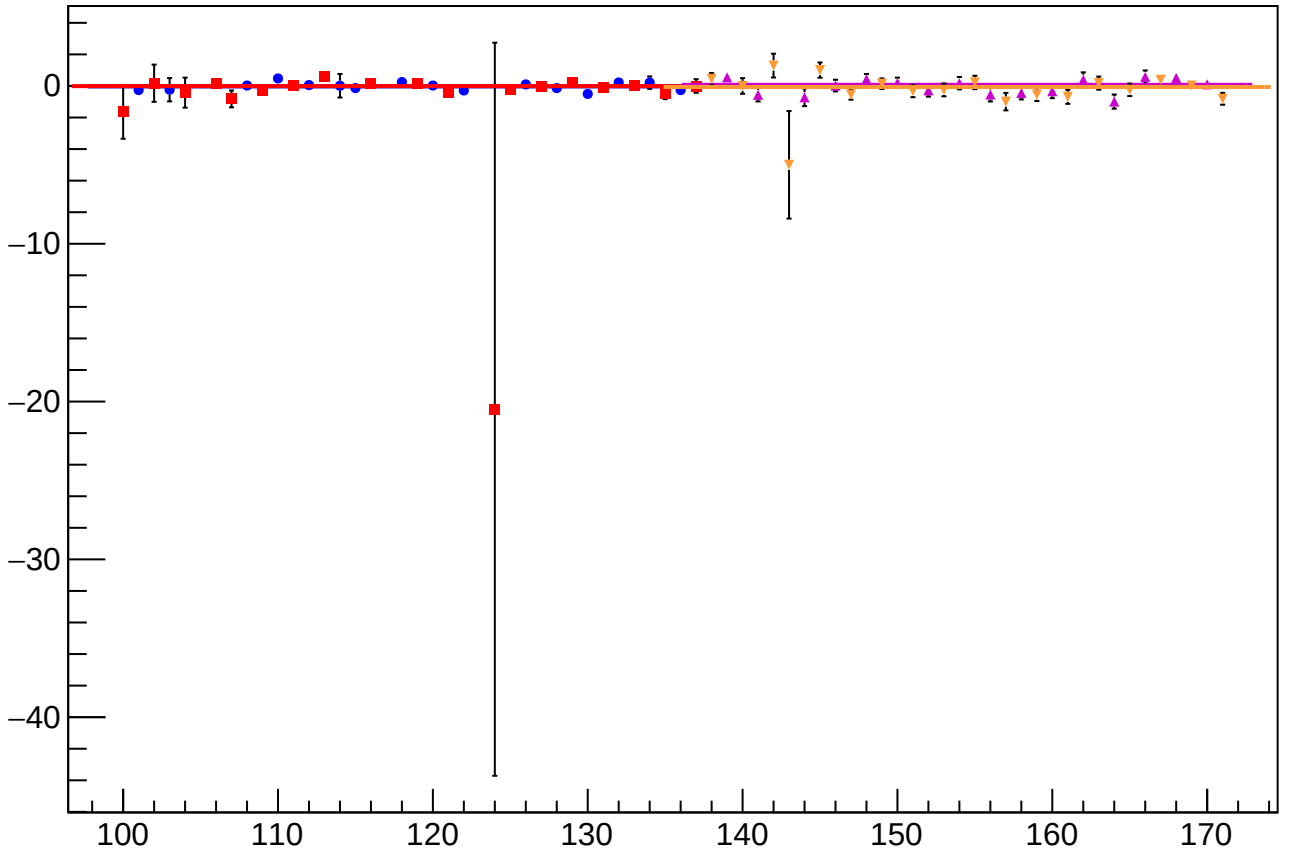
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 305.186+/-0.063 χ^2/NDF:1750887.9/15

+ sign 193.724+/-0.034 χ^2/NDF: 9264518.4/33

All: 188.310+/-0.024 χ^2/NDF: 18653060.3/68

- sign 183.110+/-0.034 χ^2/NDF: 9339855.5/34



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: -0.011+/-0.057 χ^2/NDF: 21.8/18

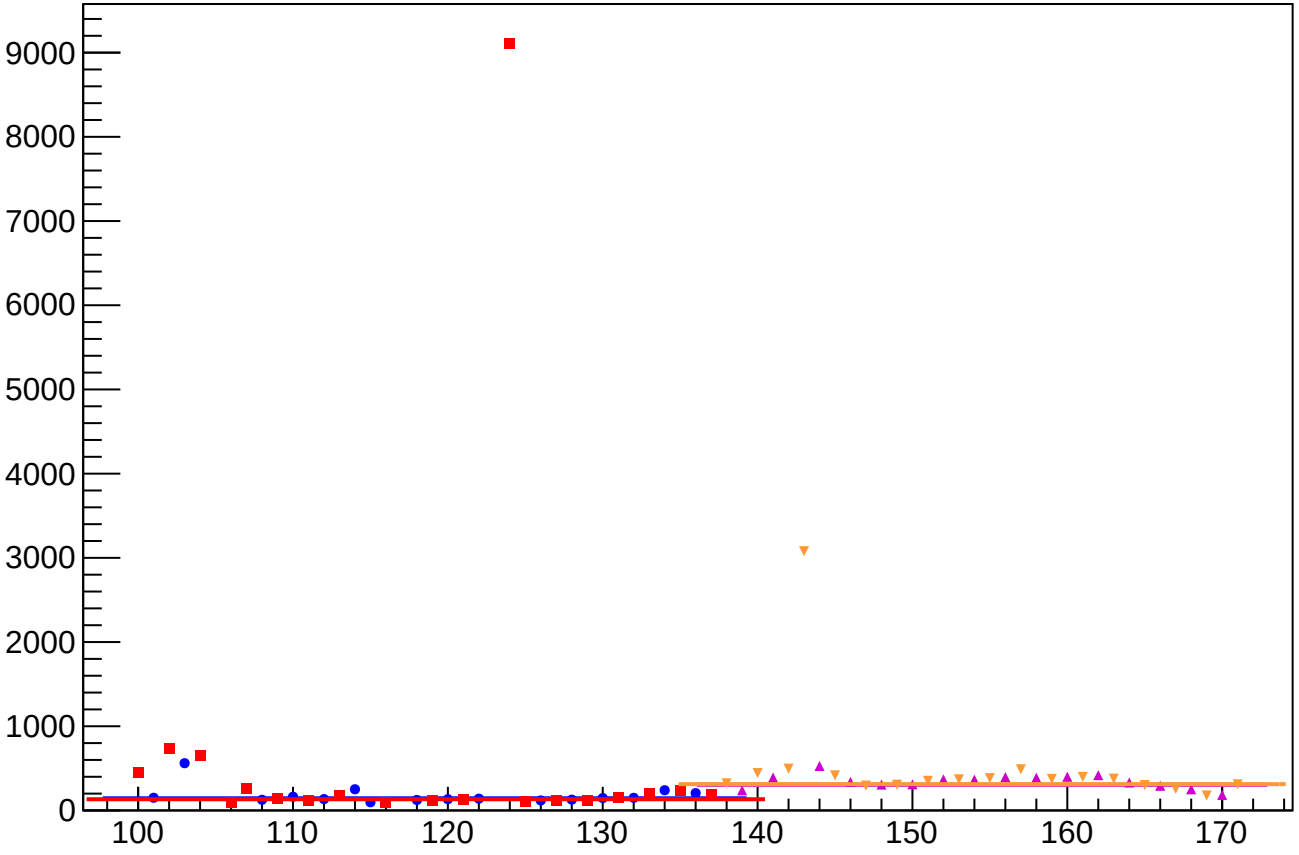
Left In: 0.074+/-0.088 χ^2/NDF:23.8/15

+ sign -0.039+/-0.049 χ^2/NDF: 46.6/33

All: -0.012+/-0.034 χ^2/NDF: 93.5/68

- sign 0.014+/-0.048 χ^2/NDF: 46.3/34

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: 312.443+/-0.063 χ^2/NDF:3163926.3/17

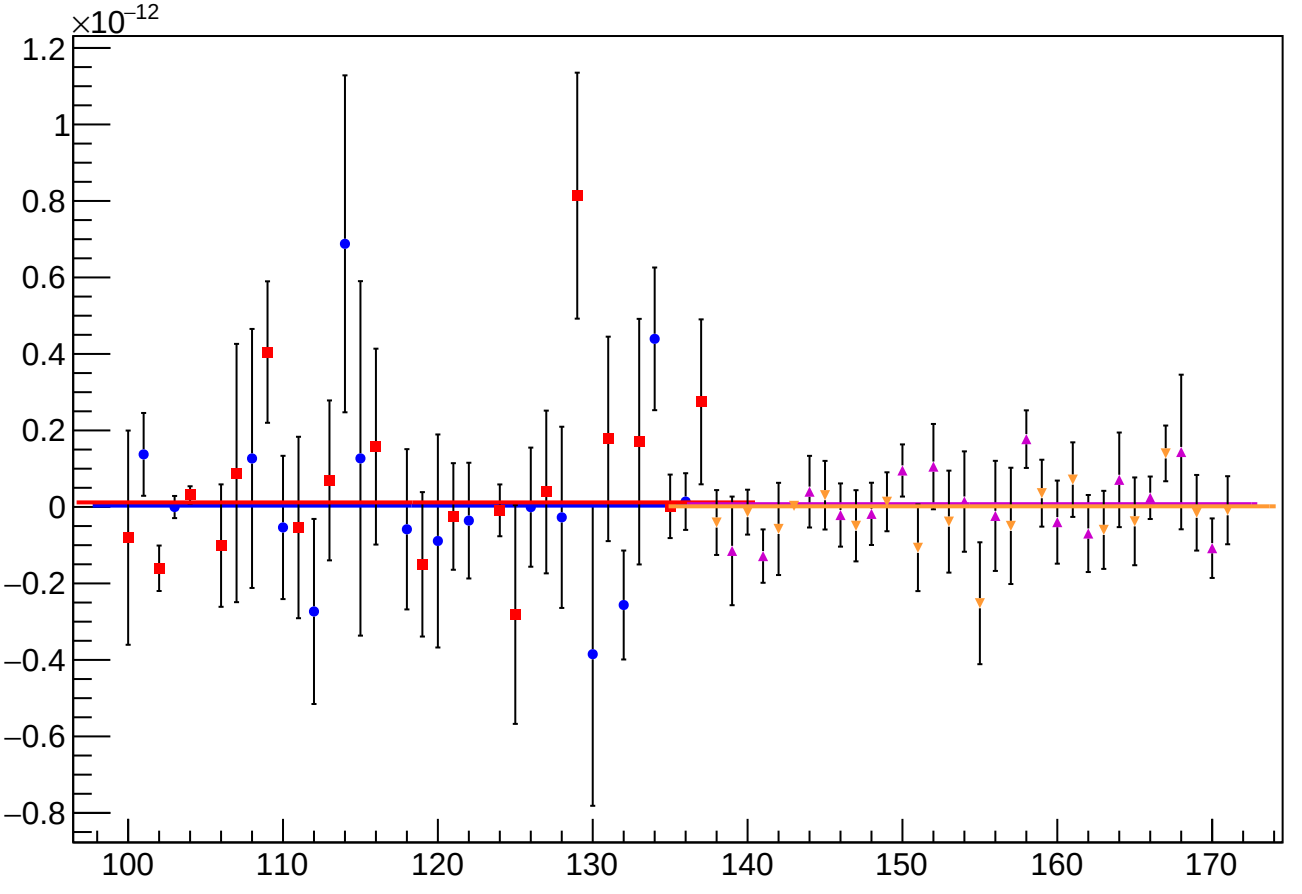
Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 305.186+/-0.063 χ^2/NDF:1750887.9/15

+ sign 193.724+/-0.034 χ^2/NDF: 9264518.4/33

All: 188.310+/-0.024 χ^2/NDF: 18653060.3/68

- sign 183.110+/-0.034 χ^2/NDF: 9339855.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

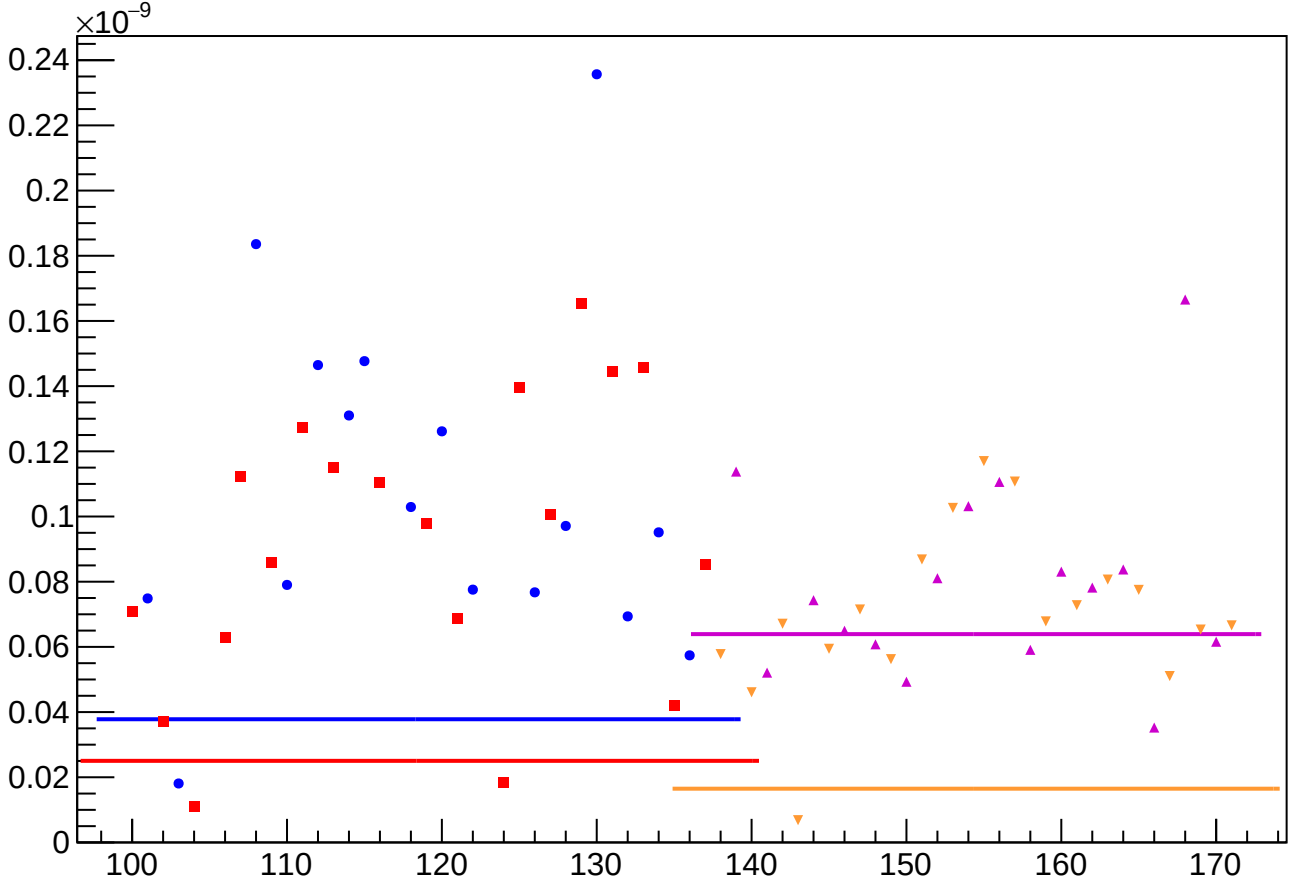
Left In: 0.000+/-0.000 χ^2/NDF:16.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 25.1/33

All: 0.000+/-0.000 χ^2/NDF: 66.7/68

- sign 0.000+/-0.000 χ^2/NDF: 41.4/34

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:12328650.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

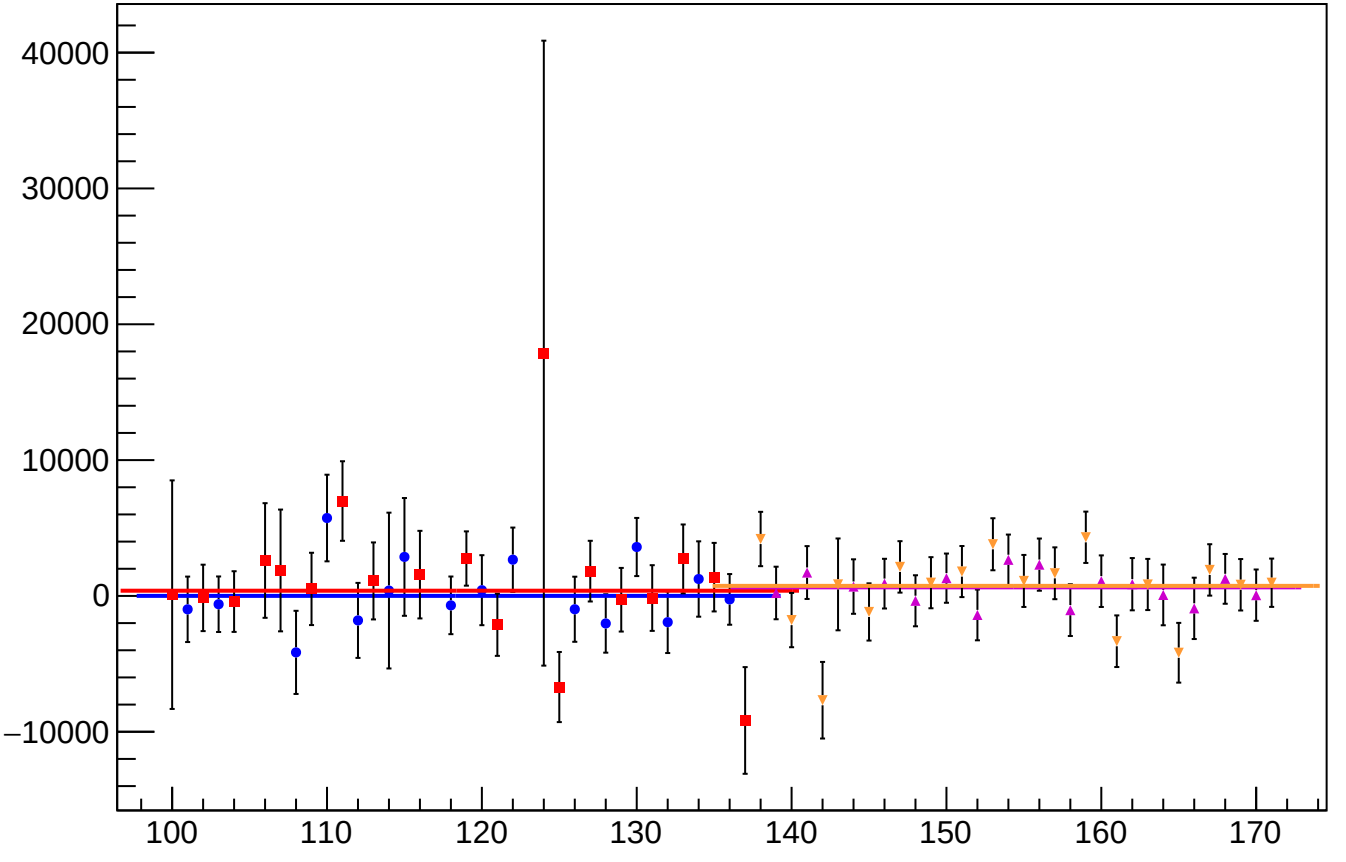
Left In: 0.000+/-0.000 χ^2/NDF:2073094.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 17654123.3/33

All: 0.000+/-0.000 χ^2/NDF: 31413962.1/68

- sign 0.000+/-0.000 χ^2/NDF: 10364072.7/34

reg_asym_atl_dd_mean vs Slug



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.684+/-470.203 χ^2/NDF:31.6/17

Right Out: 384.758+/-633.682 χ^2/NDF: 24.1/18

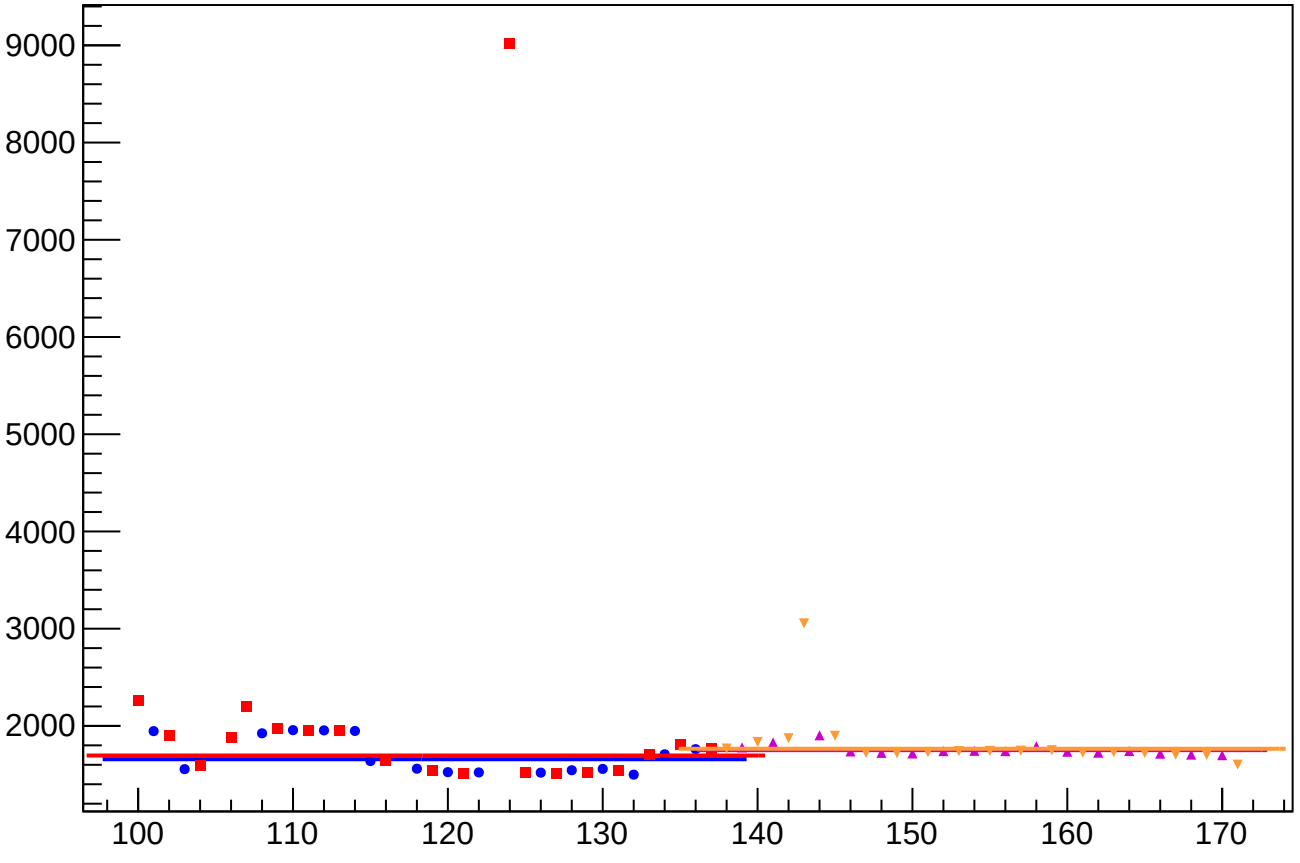
Left In: 631.184+/-481.649 χ^2/NDF:5.5/15

+ sign 471.773+/-374.627 χ^2/NDF: 44.9/33

All: 505.555+/-267.968 χ^2/NDF: 74.6/68

- sign 540.949+/-383.456 χ^2/NDF: 29.7/34

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

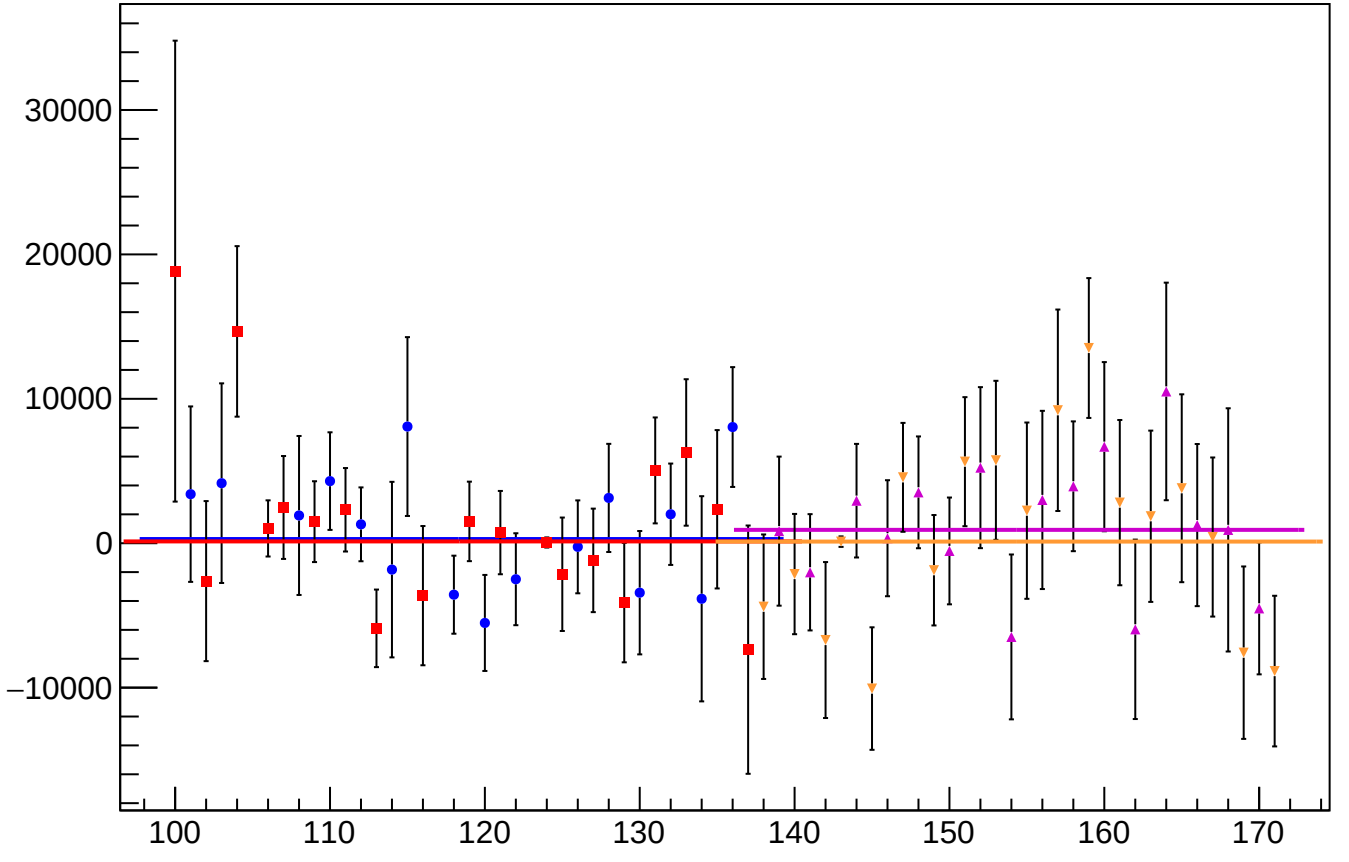
Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

+ sign 1725.696+/-0.265 χ^2/NDF: 514291.6/33

All: 1727.980+/-0.189 χ^2/NDF: 931649.6/68

- sign 1730.365+/-0.271 χ^2/NDF: 417206.0/34

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 114.717+/-348.748 χ^2/NDF:27.4/17

Right Out: 125.586+/-323.715 χ^2/NDF: 20.8/18

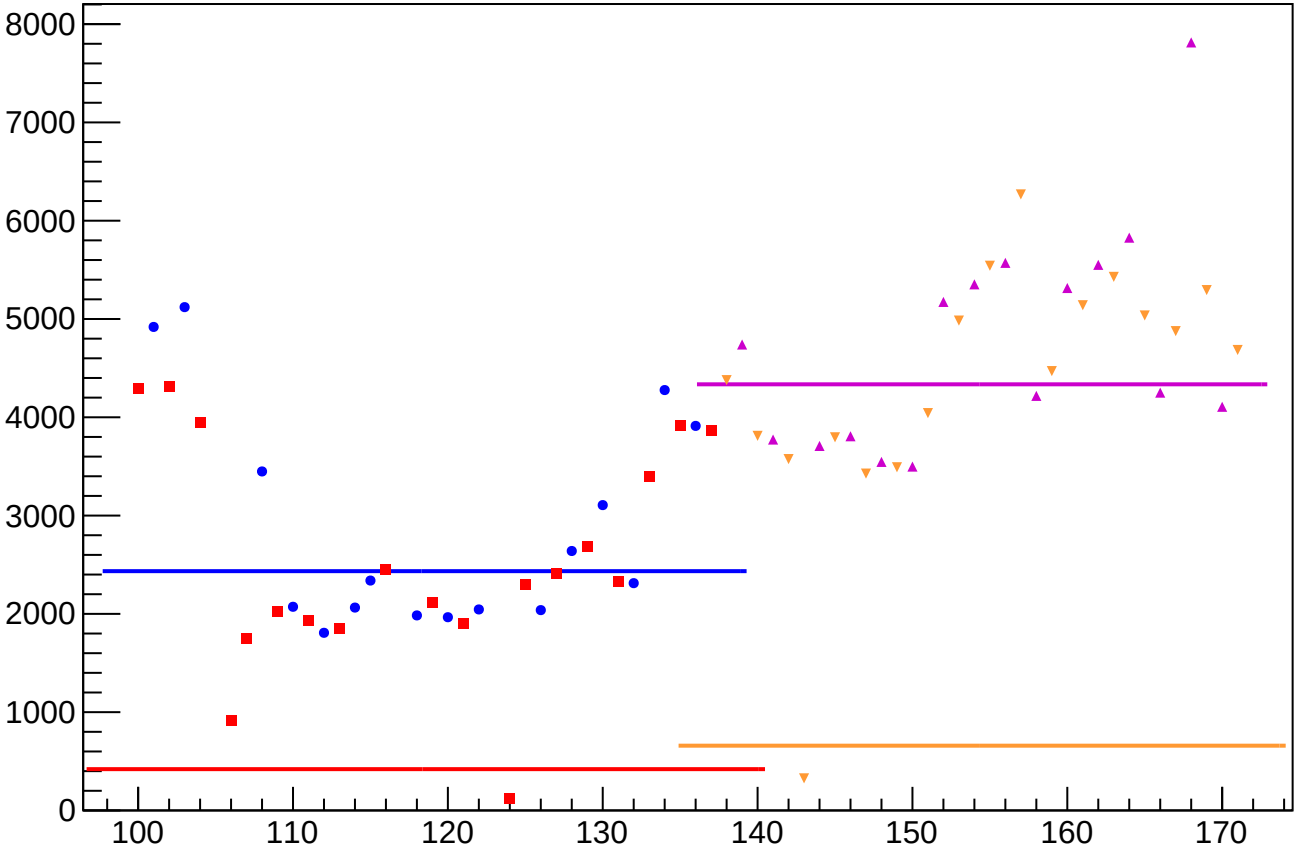
Left In: 925.824+/-1220.993 χ^2/NDF:9.5/15

\+ sign 135.027+/-327.831 χ^2/NDF: 42.7/33

All: 157.588+/-226.350 χ^2/NDF: 73.4/68

\- sign 178.141+/-312.904 χ^2/NDF: 30.7/34

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 659.039+/-0.247 χ^2/NDF:20959576.7/17

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

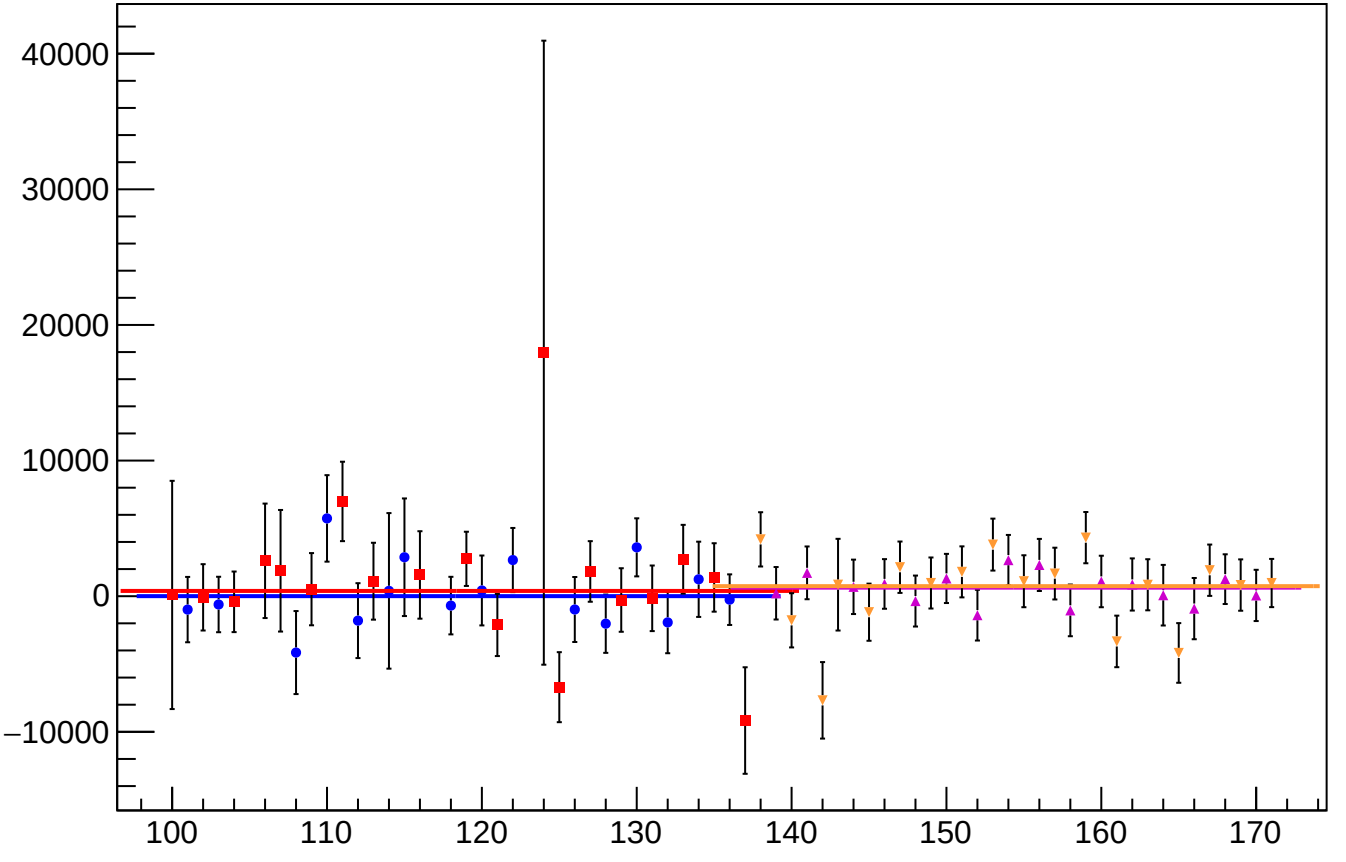
Left In: 4335.459+/-0.863 χ^2/NDF:1070258.7/15

+ sign 865.635+/-0.232 χ^2/NDF: 28449340.2/33

All: 767.145+/-0.160 χ^2/NDF: 60141866.2/68

- sign 677.419+/-0.221 χ^2/NDF: 31347553.6/34

cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.654+/-470.203 χ^2/NDF:31.6/17

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

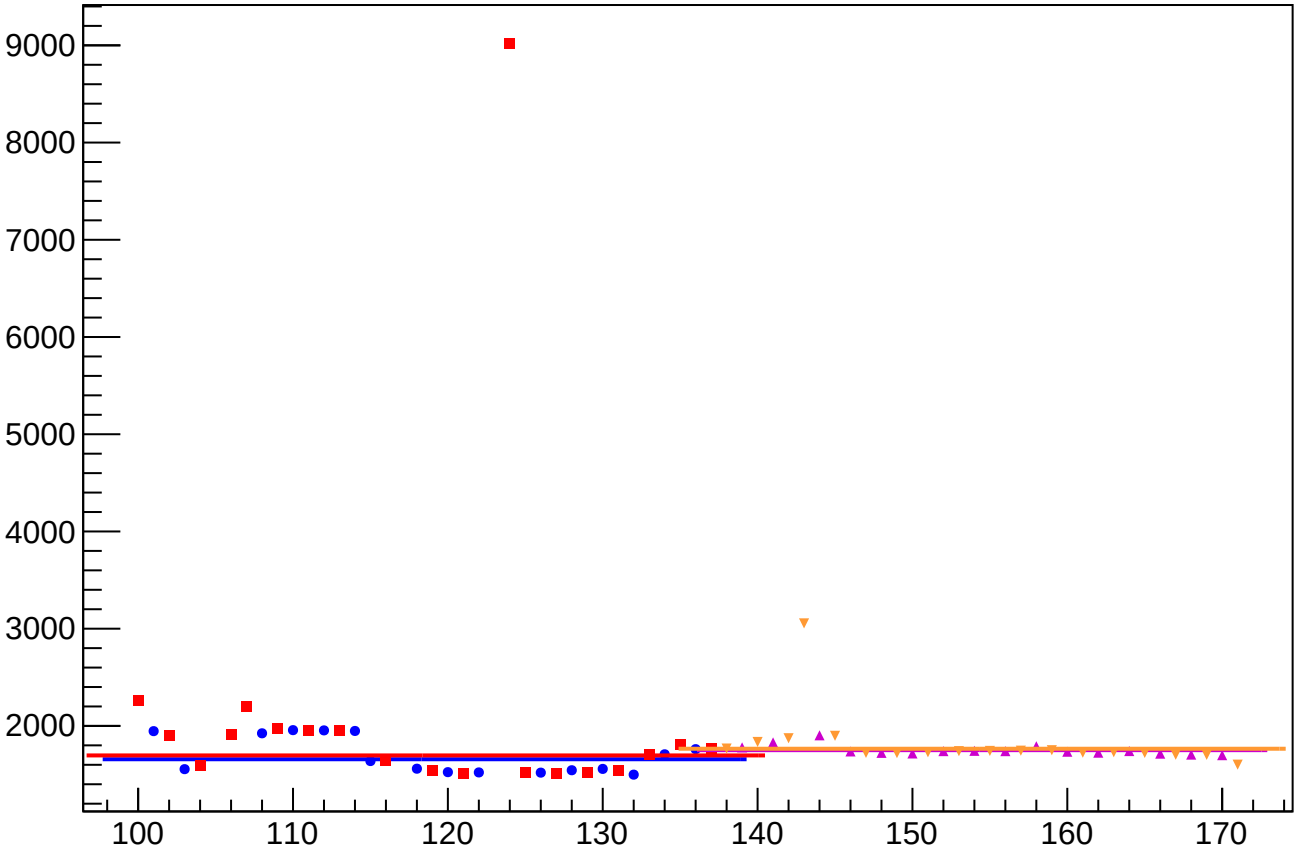
Left In: 631.224+/-481.649 χ^2/NDF:5.5/15

+ sign 471.725+/-374.627 χ^2/NDF: 44.9/33

All: 506.312+/-267.969 χ^2/NDF: 74.6/68

- sign 542.549+/-383.457 χ^2/NDF: 29.7/34

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

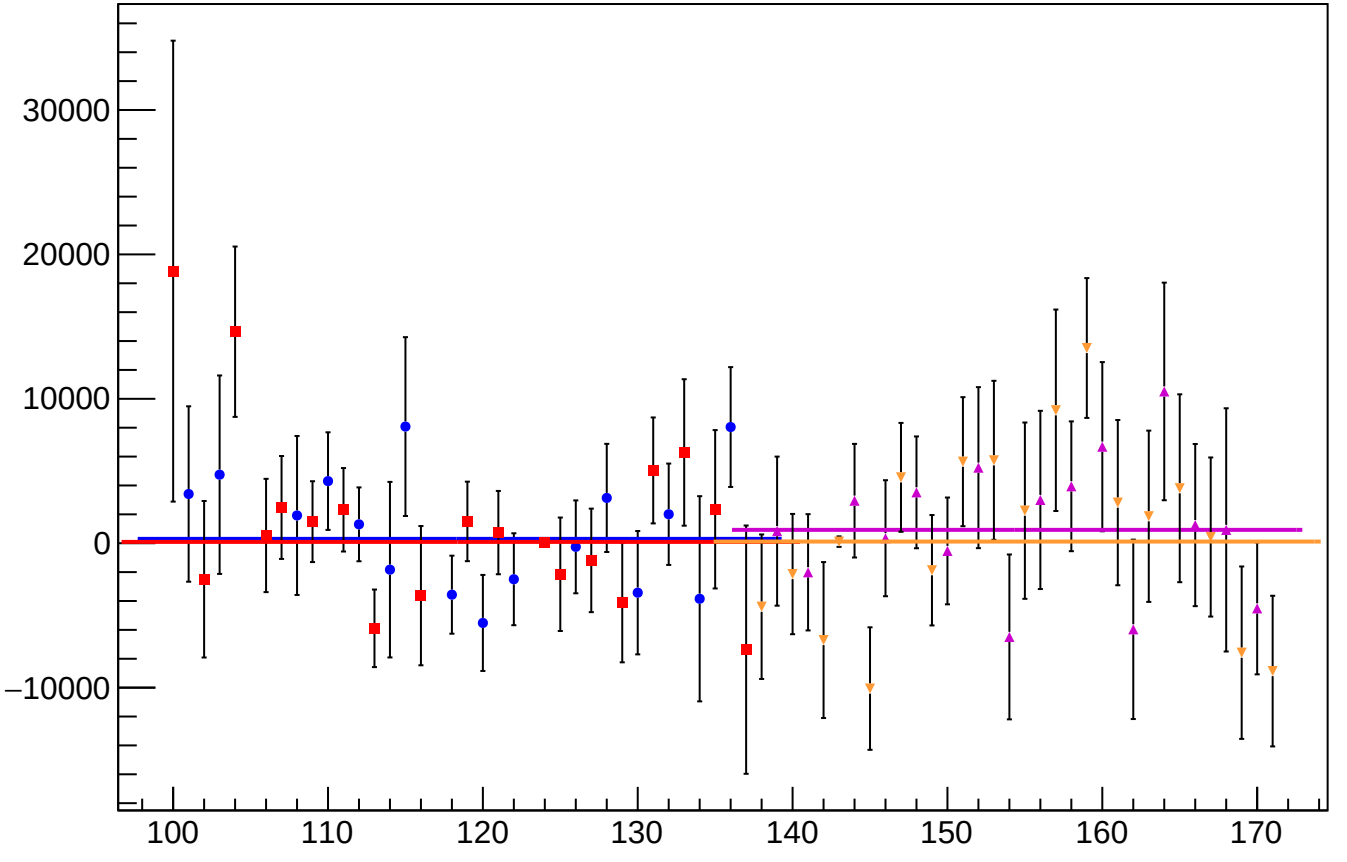
Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

+ sign 1725.696+/-0.265 χ^2/NDF: 514291.8/33

All: 1728.129+/-0.189 χ^2/NDF: 933147.8/68

- sign 1730.669+/-0.271 χ^2/NDF: 418683.6/34

asym_atl_dd_cor_correction_mean vs Slug



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 115.154+/-348.722 χ^2/NDF:27.4/17

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

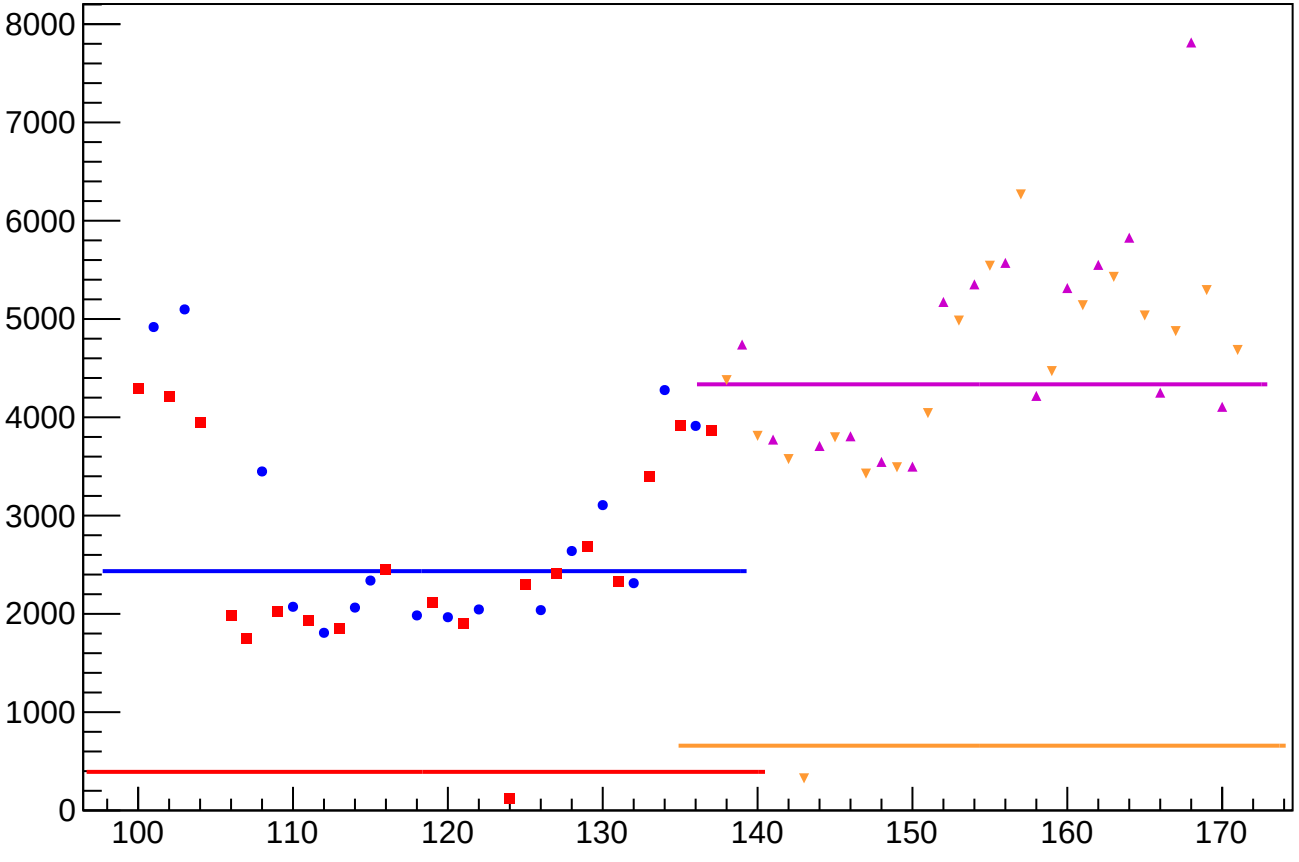
Left In: 925.867+/-1220.992 χ^2/NDF:9.5/15

+ sign 136.878+/-327.805 χ^2/NDF: 42.8/33

All: 140.954+/-223.569 χ^2/NDF: 73.4/68

- sign 144.499+/-305.700 χ^2/NDF: 30.6/34

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 658.964+/-0.247 χ^2/NDF:20960121.0/17

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

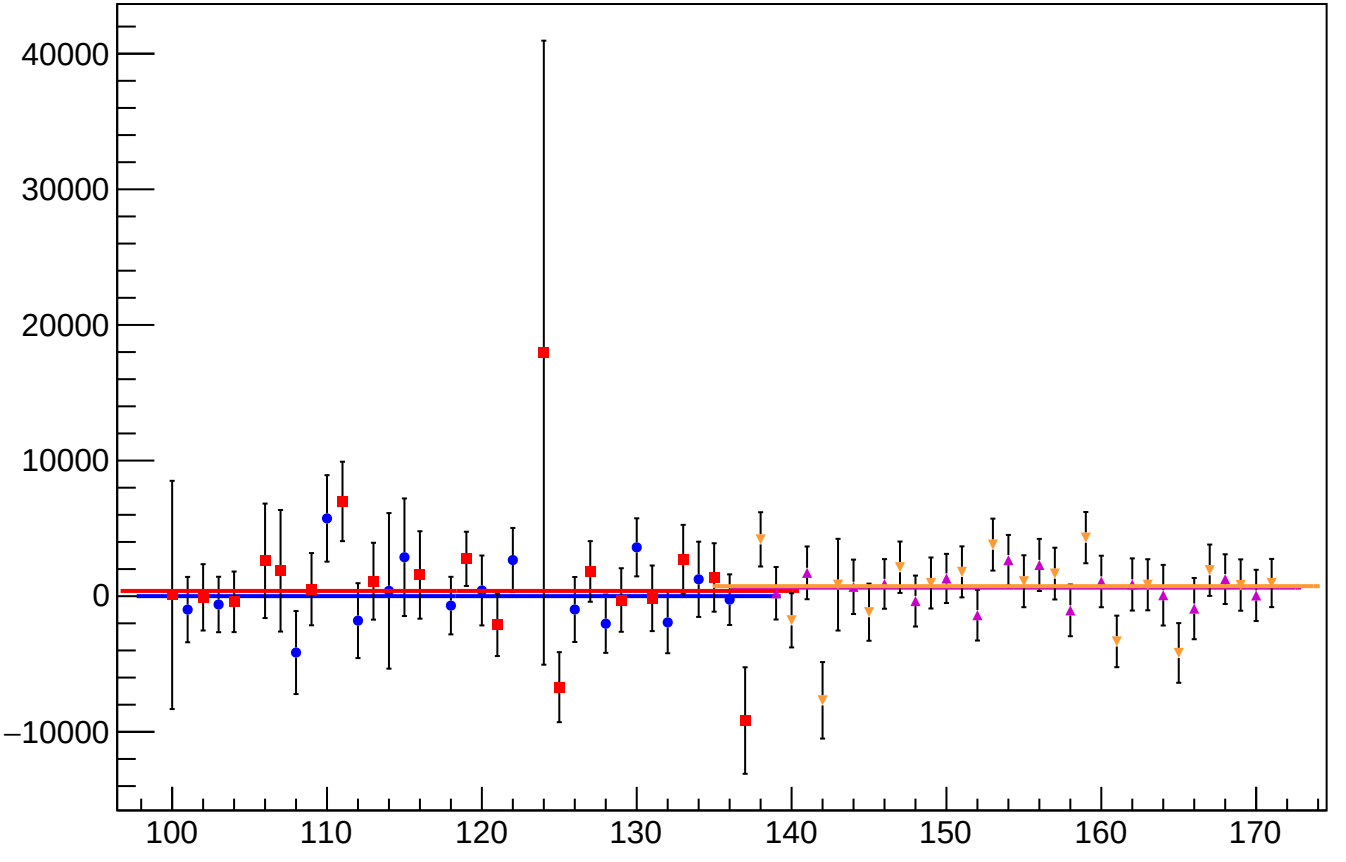
Left In: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

+ sign 865.607+/-0.232 χ^2/NDF: 28451237.8/33

All: 744.845+/-0.158 χ^2/NDF: 60984749.0/68

- sign 639.821+/-0.216 χ^2/NDF: 32026024.0/34

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.654+/-470.203 χ^2/NDF:31.6/17

Right Out: 389.054+/-633.688 χ^2/NDF: 24.0/18

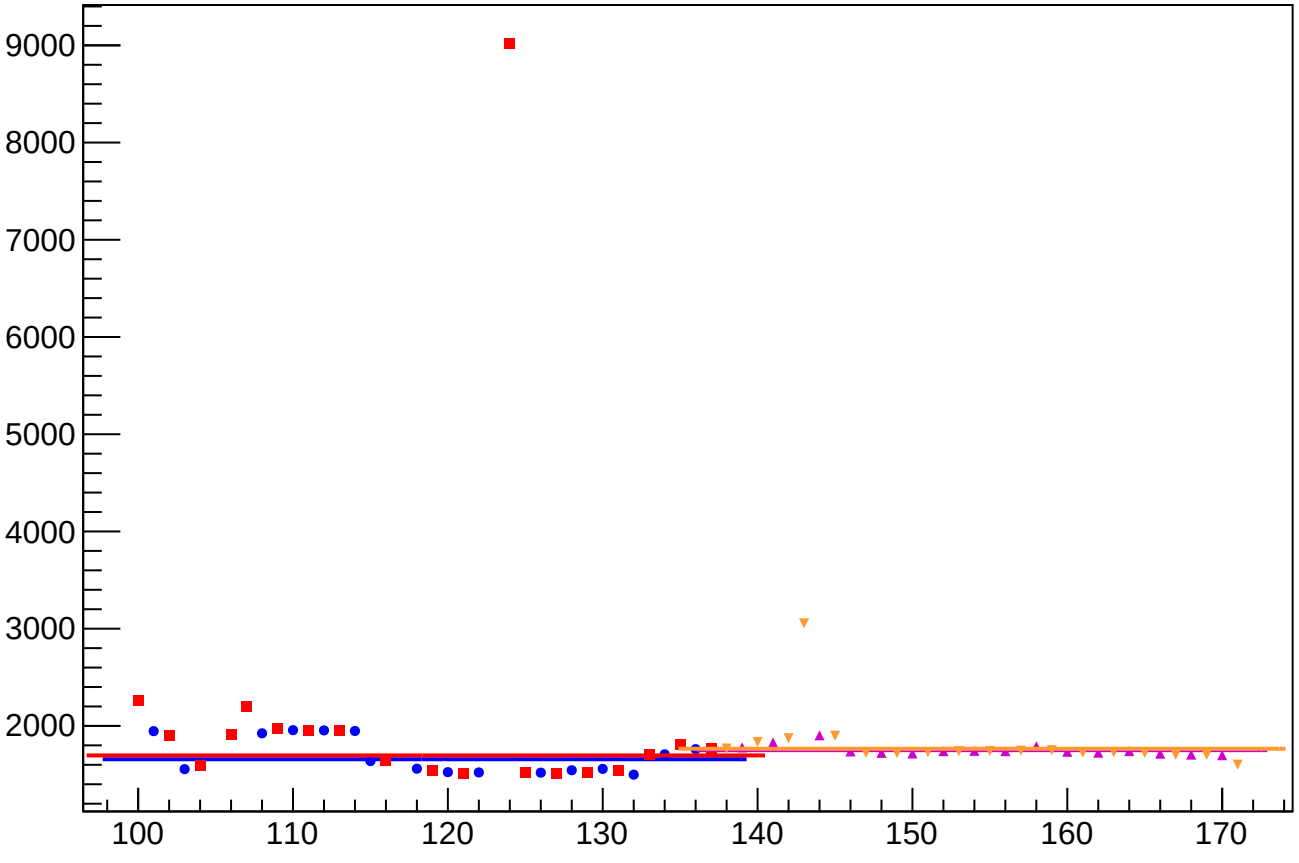
Left In: 631.224+/-481.649 χ^2/NDF:5.5/15

+ sign 471.725+/-374.627 χ^2/NDF: 44.9/33

All: 506.312+/-267.969 χ^2/NDF: 74.6/68

- sign 542.549+/-383.457 χ^2/NDF: 29.7/34

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

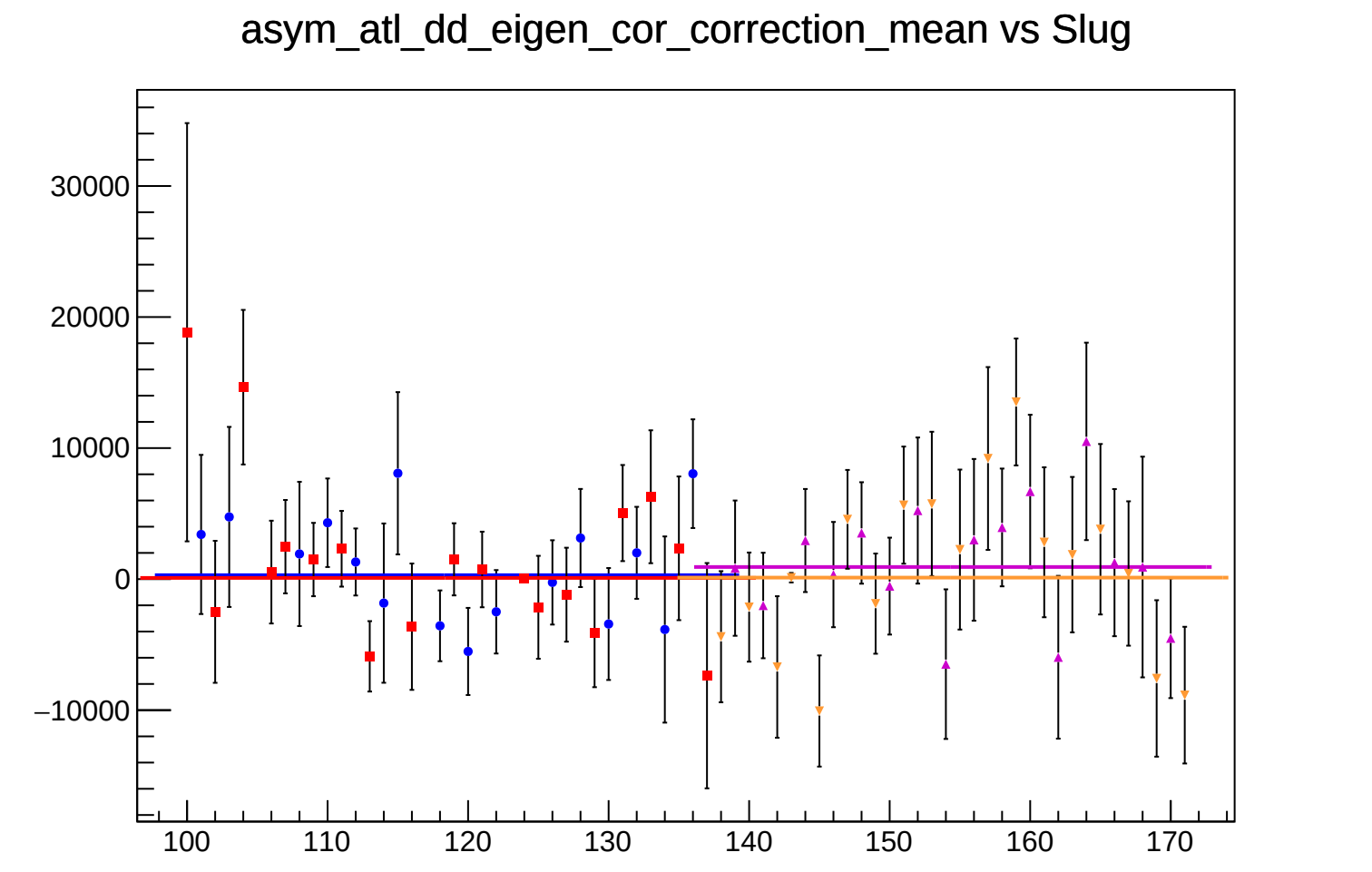
Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1750.607+/-0.341 χ^2/NDF:21399.1/15

+ sign 1725.696+/-0.265 χ^2/NDF: 514291.8/33

All: 1728.129+/-0.189 χ^2/NDF: 933147.8/68

- sign 1730.669+/-0.271 χ^2/NDF: 418683.6/34



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 115.154+/-348.722 χ^2/NDF:27.4/17

Right Out: 92.243+/-315.757 χ^2/NDF: 20.6/18

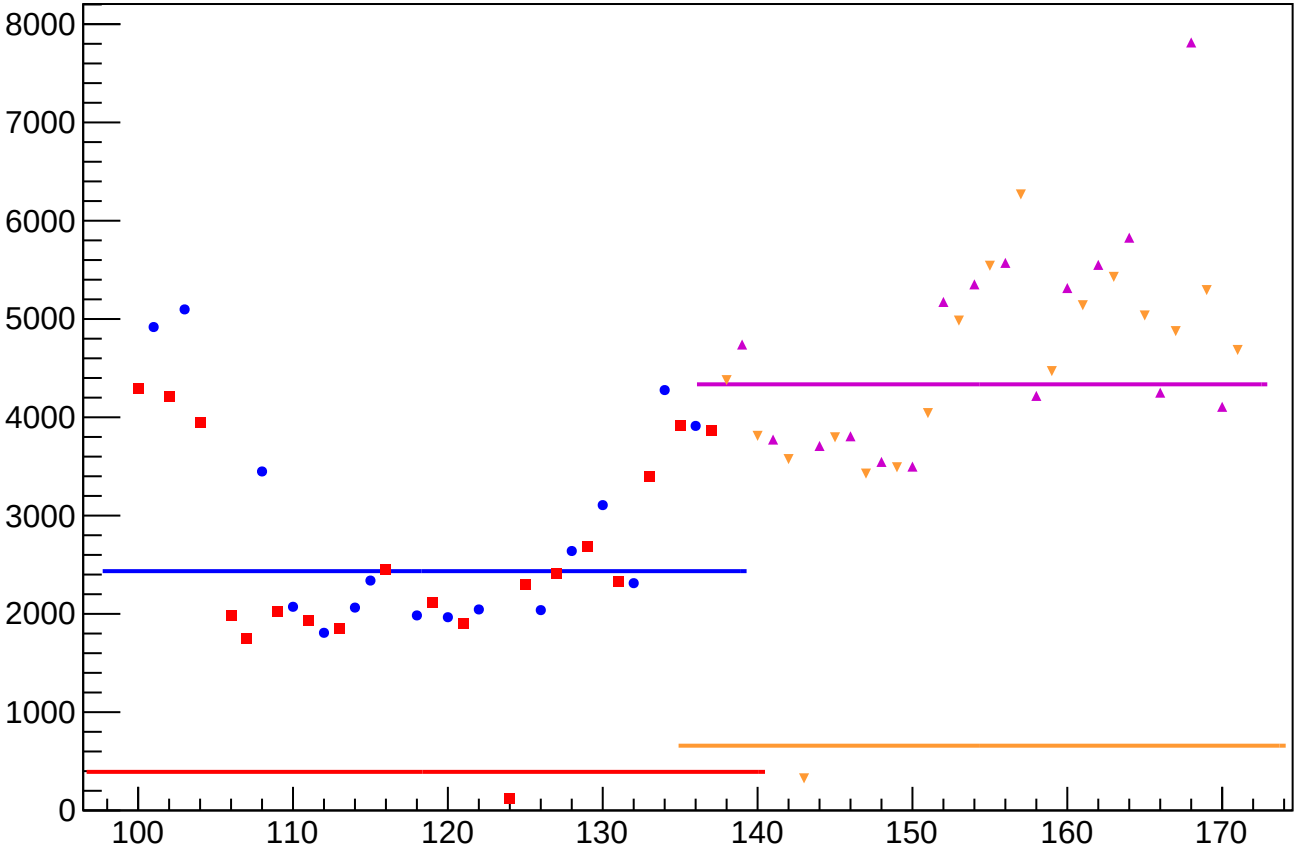
Left In: 925.867+/-1220.992 χ^2/NDF:9.5/15

+ sign 136.878+/-327.805 χ^2/NDF: 42.8/33

All: 140.954+/-223.569 χ^2/NDF: 73.4/68

- sign 144.499+/-305.700 χ^2/NDF: 30.6/34

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 658.964+/-0.247 χ^2/NDF:20960121.0/17

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

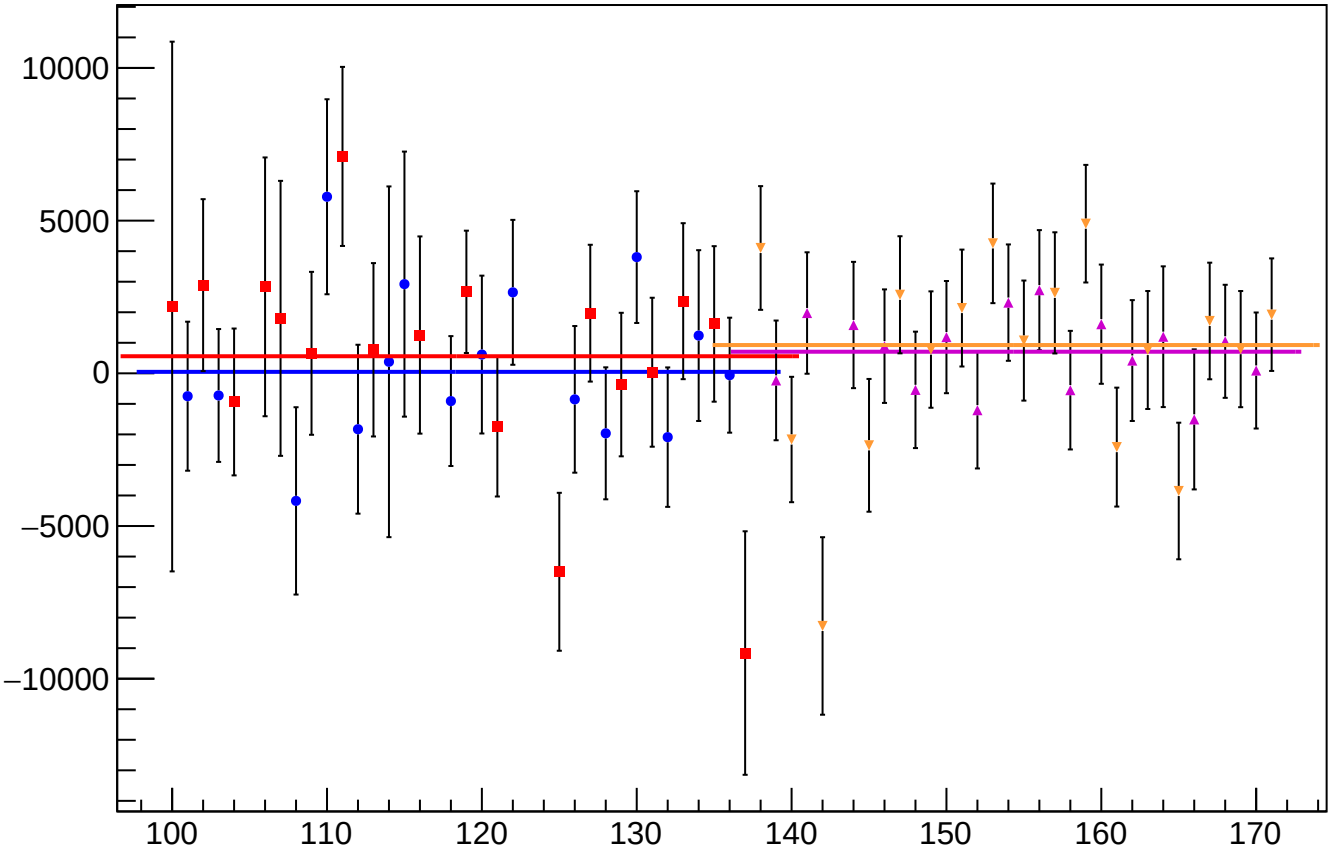
Left In: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

+ sign 865.607+/-0.232 χ^2/NDF: 28451237.8/33

All: 744.845+/-0.158 χ^2/NDF: 60984749.0/68

- sign 639.821+/-0.216 χ^2/NDF: 32026024.0/34

dit_asym_atl_dd_mean vs Slug



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 925.928+/-484.977 χ^2/NDF:34.1/16

Right Out: 559.598+/-645.291 χ^2/NDF: 23.3/17

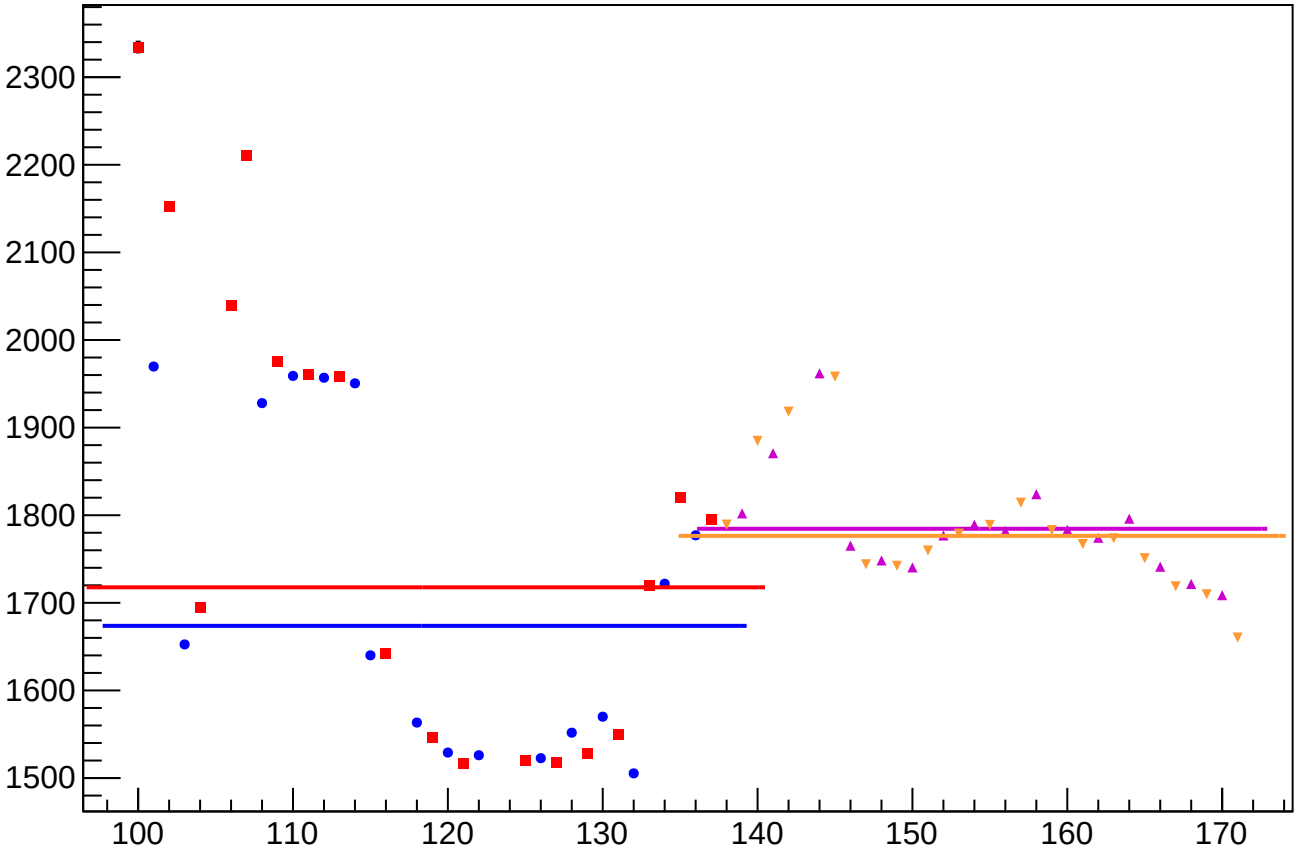
Left In: 707.399+/-491.064 χ^2/NDF:5.9/15

\+ sign 596.860+/-383.419 χ^2/NDF: 48.1/32

All: 624.493+/-273.683 χ^2/NDF: 77.3/66

\- sign 653.196+/-390.779 χ^2/NDF: 29.2/33

dit_asym_atl_dd_rms vs Slug



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.425+/-0.343 χ^2/NDF:39130.3/16

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

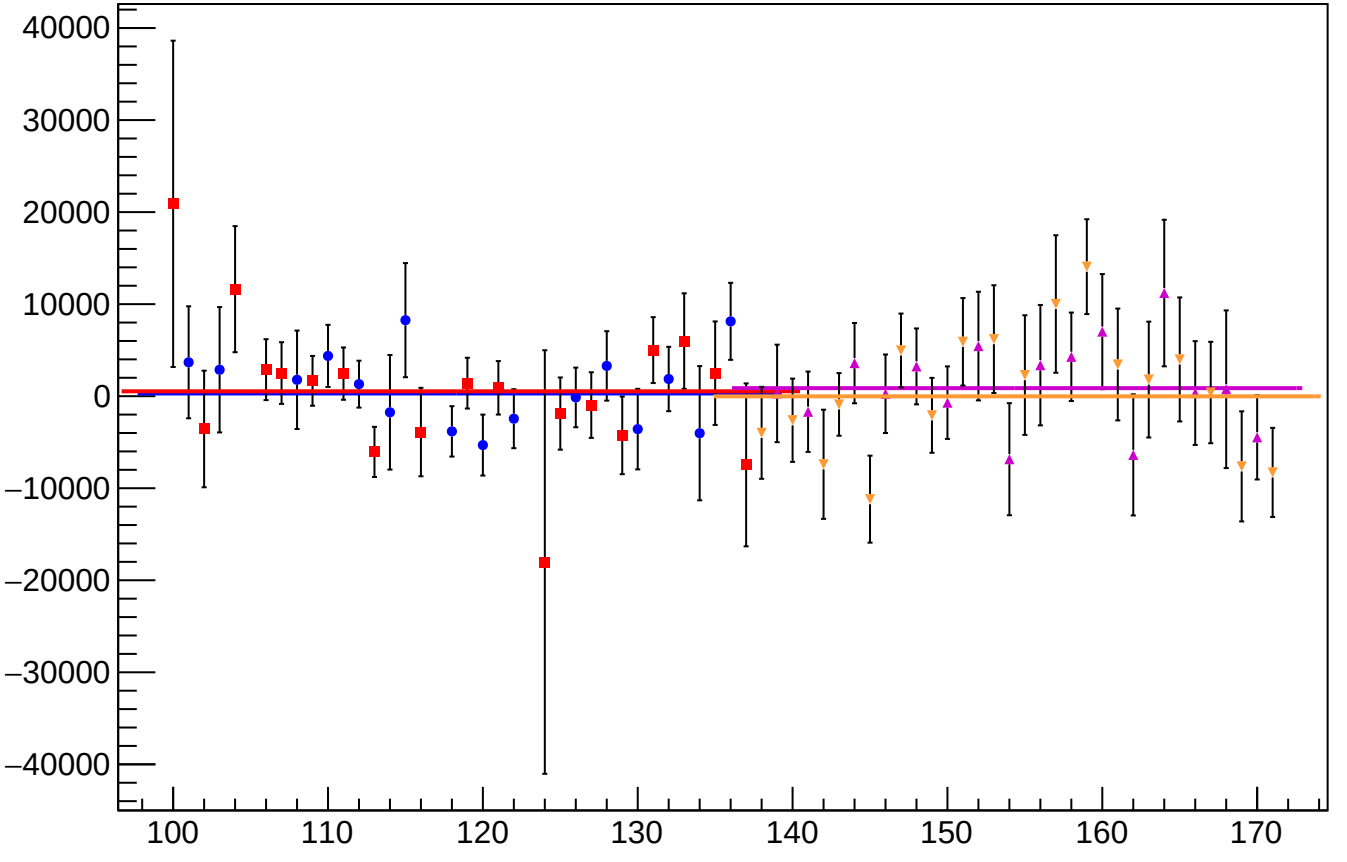
Left In: 1784.532+/-0.347 χ^2/NDF:27930.7/15

+ sign 1737.917+/-0.271 χ^2/NDF: 213630.3/32

All: 1748.736+/-0.193 χ^2/NDF: 486066.3/66

- sign 1759.955+/-0.276 χ^2/NDF: 269192.4/33

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -17.555+/-1193.705 χ^2/NDF:27.4/17

Right Out: 531.007+/-883.969 χ^2/NDF: 18.8/18

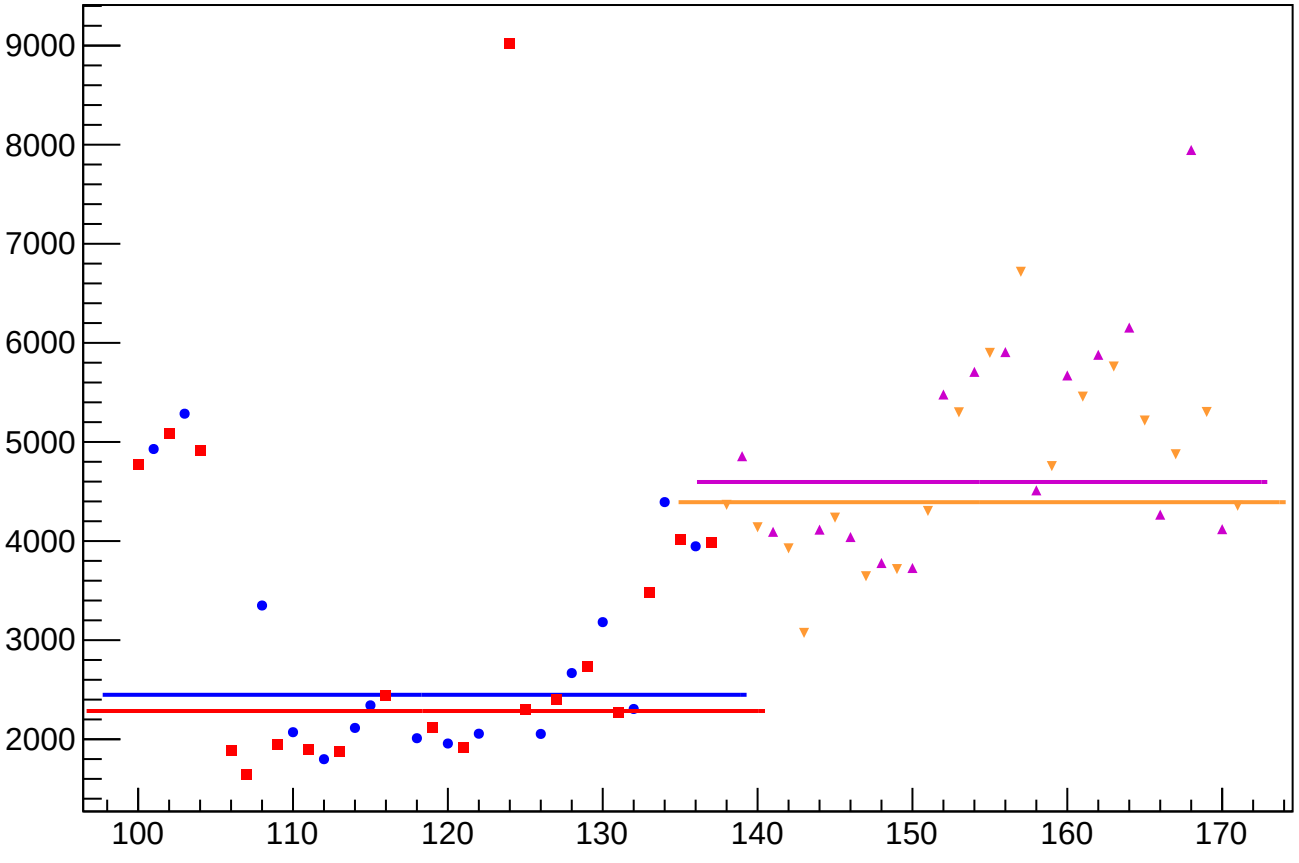
Left In: 874.294+/-1292.989 χ^2/NDF:9.3/15

+ sign 172.436+/-750.299 χ^2/NDF: 42.7/33

All: 412.895+/-523.118 χ^2/NDF: 71.0/68

- sign 640.351+/-729.732 χ^2/NDF: 28.2/34

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4392.384+/-0.844 χ^2/NDF:1054072.2/17

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

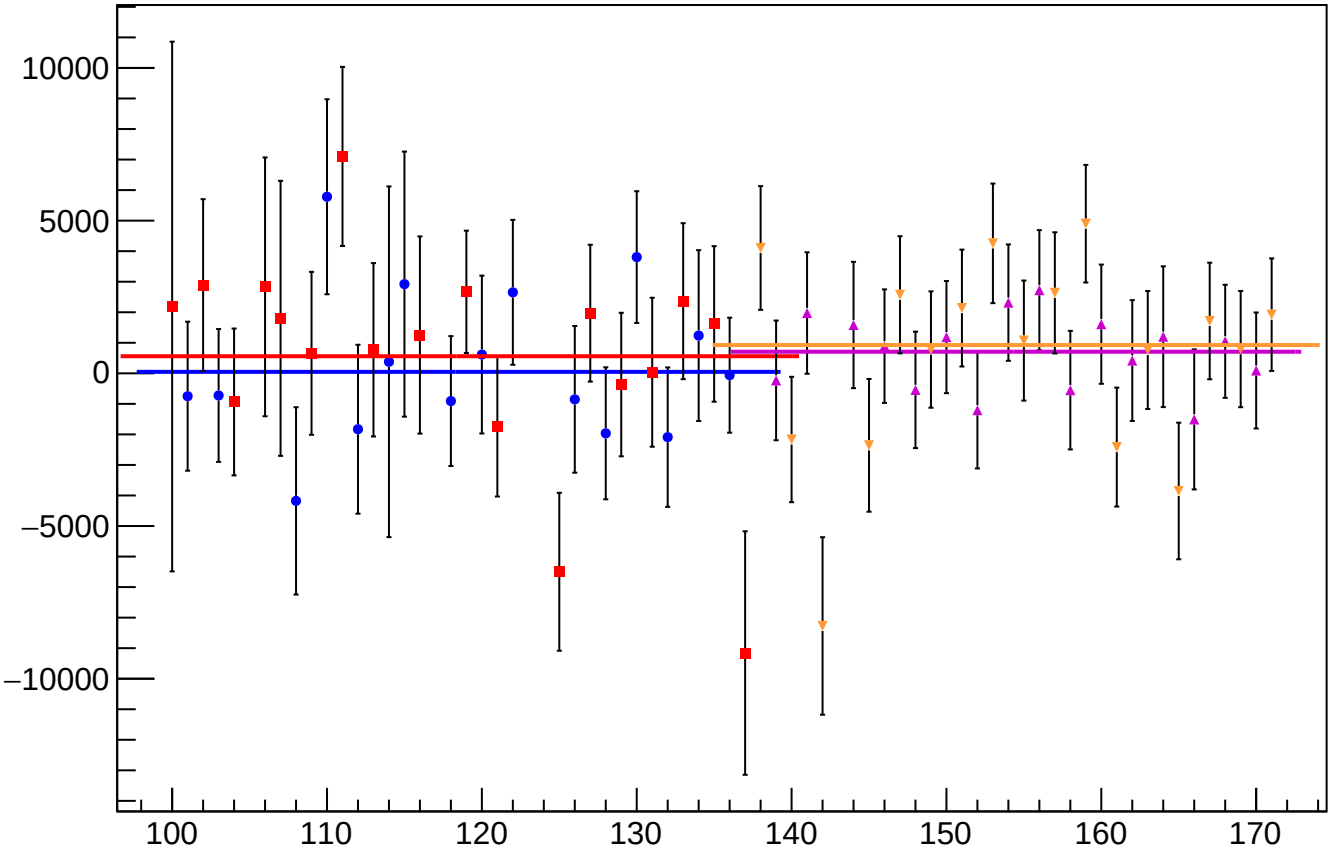
Left In: 4596.111+/-0.914 χ^2/NDF:1003735.2/15

+ sign 3216.531+/-0.531 χ^2/NDF: 5779681.6/33

All: 3116.145+/-0.370 χ^2/NDF: 12756087.4/6

- sign 3021.186+/-0.516 χ^2/NDF: 6906737.4/34

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 925.929+/-484.978 χ^2/NDF:34.1/16

Right Out: 559.600+/-645.291 χ^2/NDF: 23.3/17

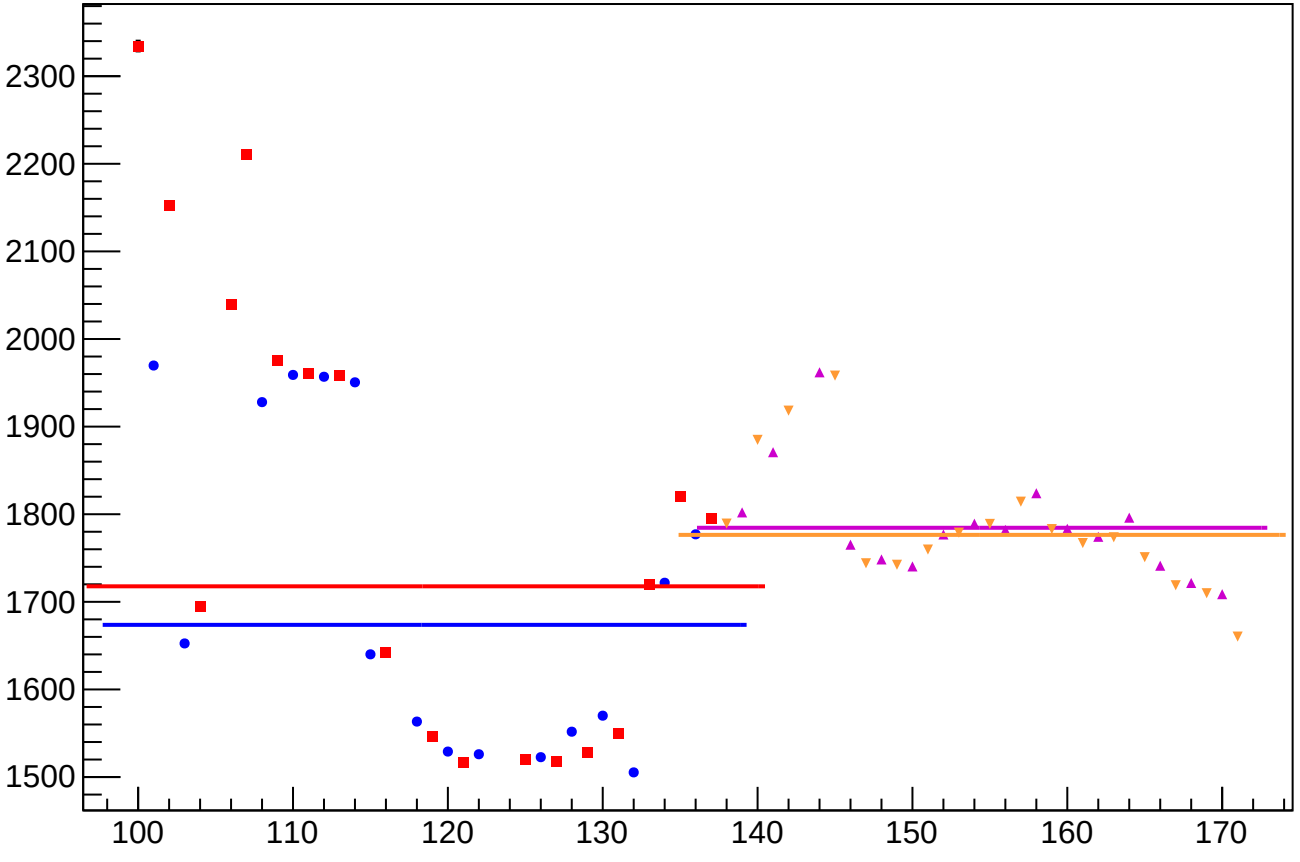
Left In: 707.400+/-491.064 χ^2/NDF:5.9/15

+ sign 596.860+/-383.419 χ^2/NDF: 48.1/32

All: 624.493+/-273.683 χ^2/NDF: 77.3/66

- sign 653.197+/-390.779 χ^2/NDF: 29.2/33

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.425+/-0.343 χ^2/NDF:39131.7/16

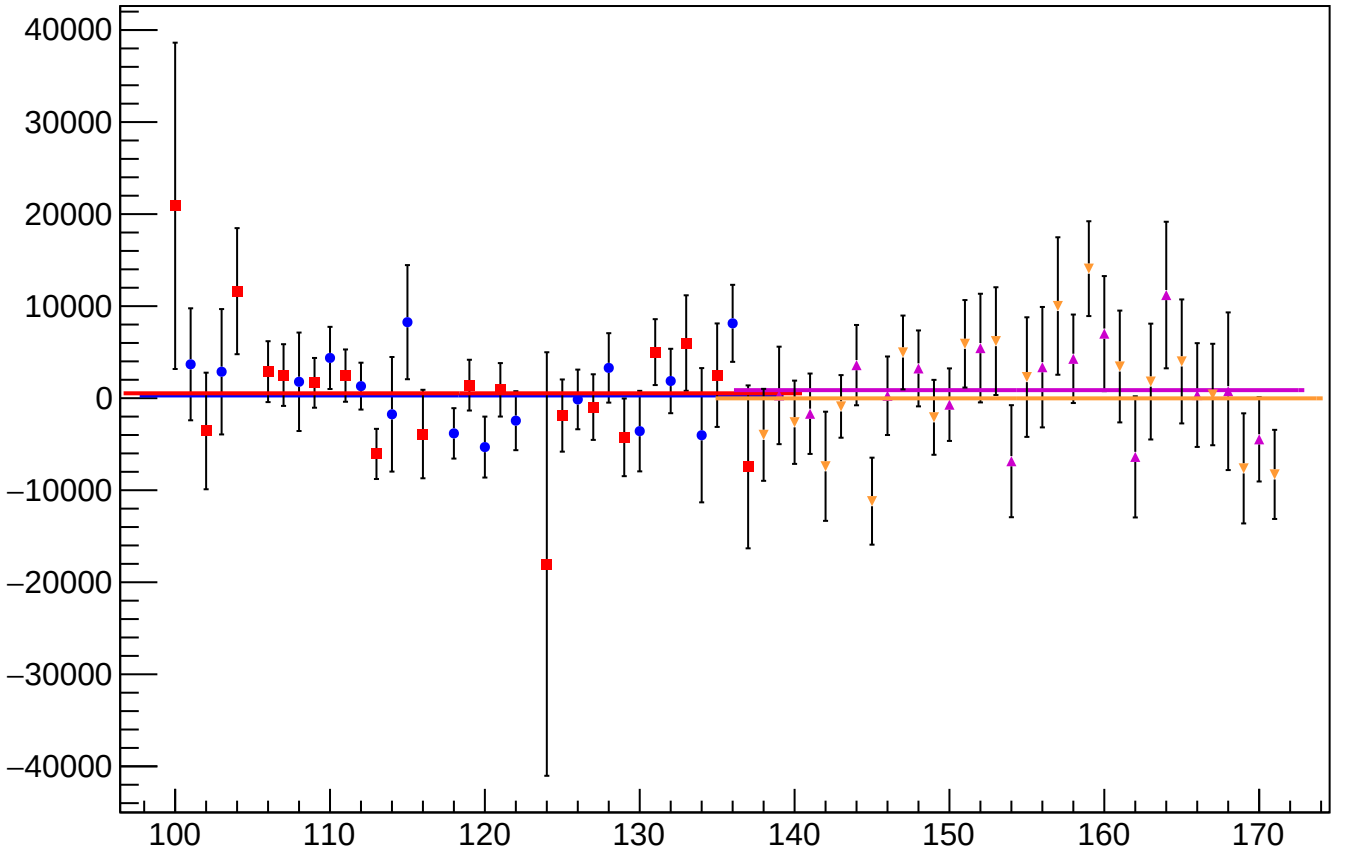
Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1784.532+/-0.347 χ^2/NDF:27931.1/15

+ sign 1737.918+/-0.271 χ^2/NDF: 213632.1/32

All: 1748.737+/-0.193 χ^2/NDF: 486068.3/66

- sign 1759.956+/-0.276 χ^2/NDF: 269192.5/33



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -17.550+/-1193.707 χ^2/NDF:27.4/17

Right Out: 531.009+/-883.966 χ^2/NDF: 18.8/18

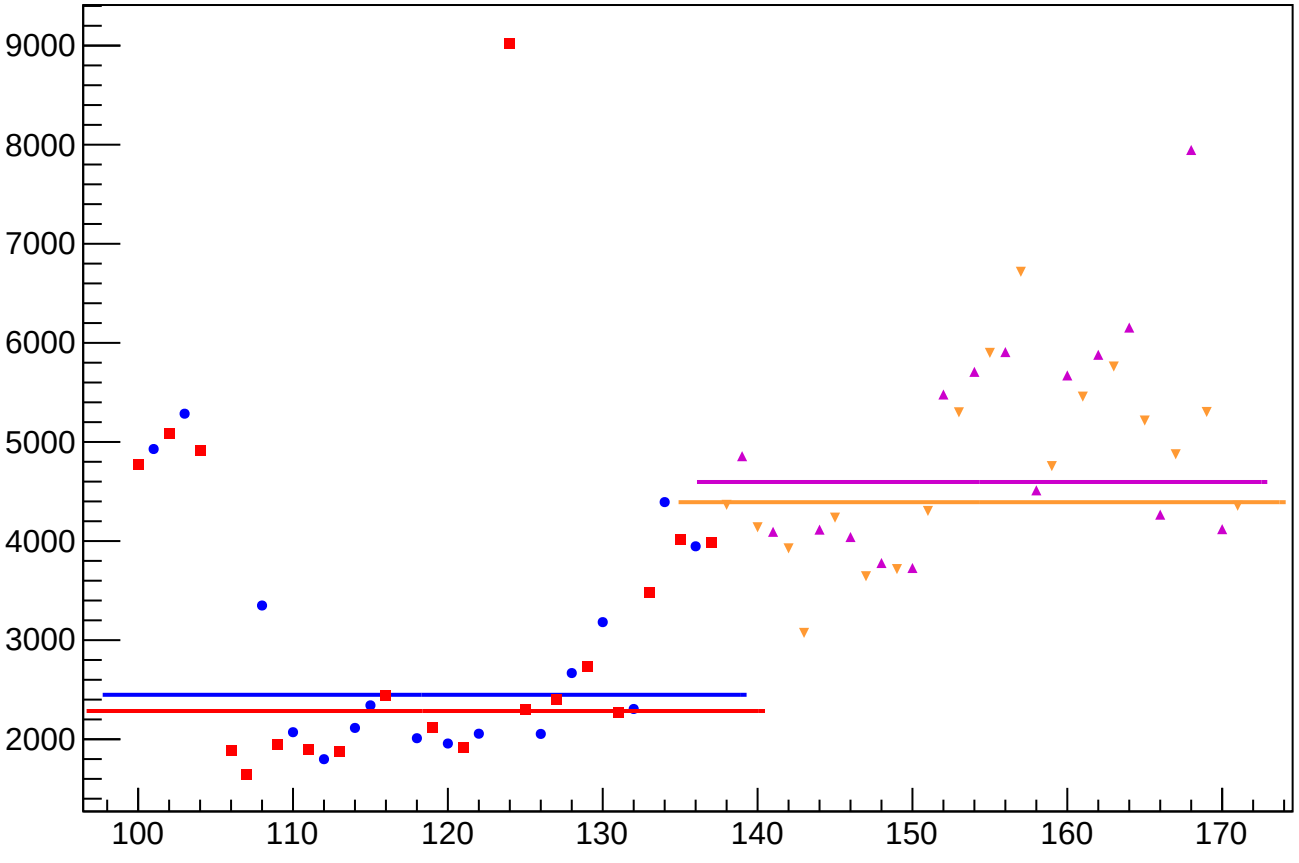
Left In: 874.294+/-1292.991 χ^2/NDF:9.3/15

+ sign 172.435+/-750.298 χ^2/NDF: 42.7/33

All: 412.894+/-523.117 χ^2/NDF: 71.0/68

- sign 640.351+/-729.731 χ^2/NDF: 28.2/34

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4392.390+/-0.844 χ^2/NDF:1054076.2/17

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

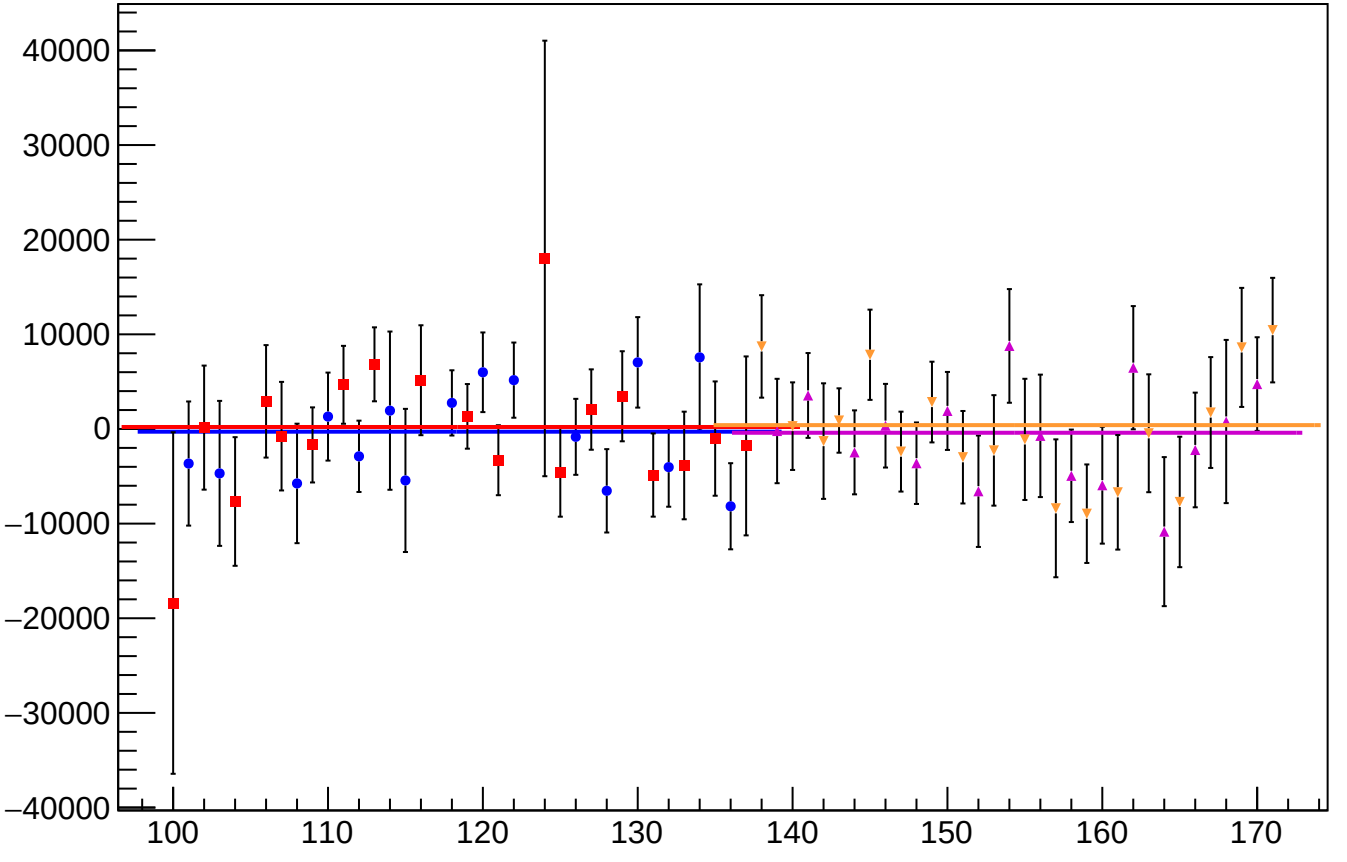
Left In: 4596.116+/-0.914 χ^2/NDF:1003738.3/15

+ sign 3216.522+/-0.531 χ^2/NDF: 5779756.9/33

All: 3116.135+/-0.370 χ^2/NDF: 12756228.9/6

- sign 3021.177+/-0.516 χ^2/NDF: 6906803.6/34

asym_atl_dd_mean vs Slug



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 406.213+/-1229.126 χ^2/NDF:18.9/17

Right Out: 209.473+/-1153.742 χ^2/NDF: 12.9/18

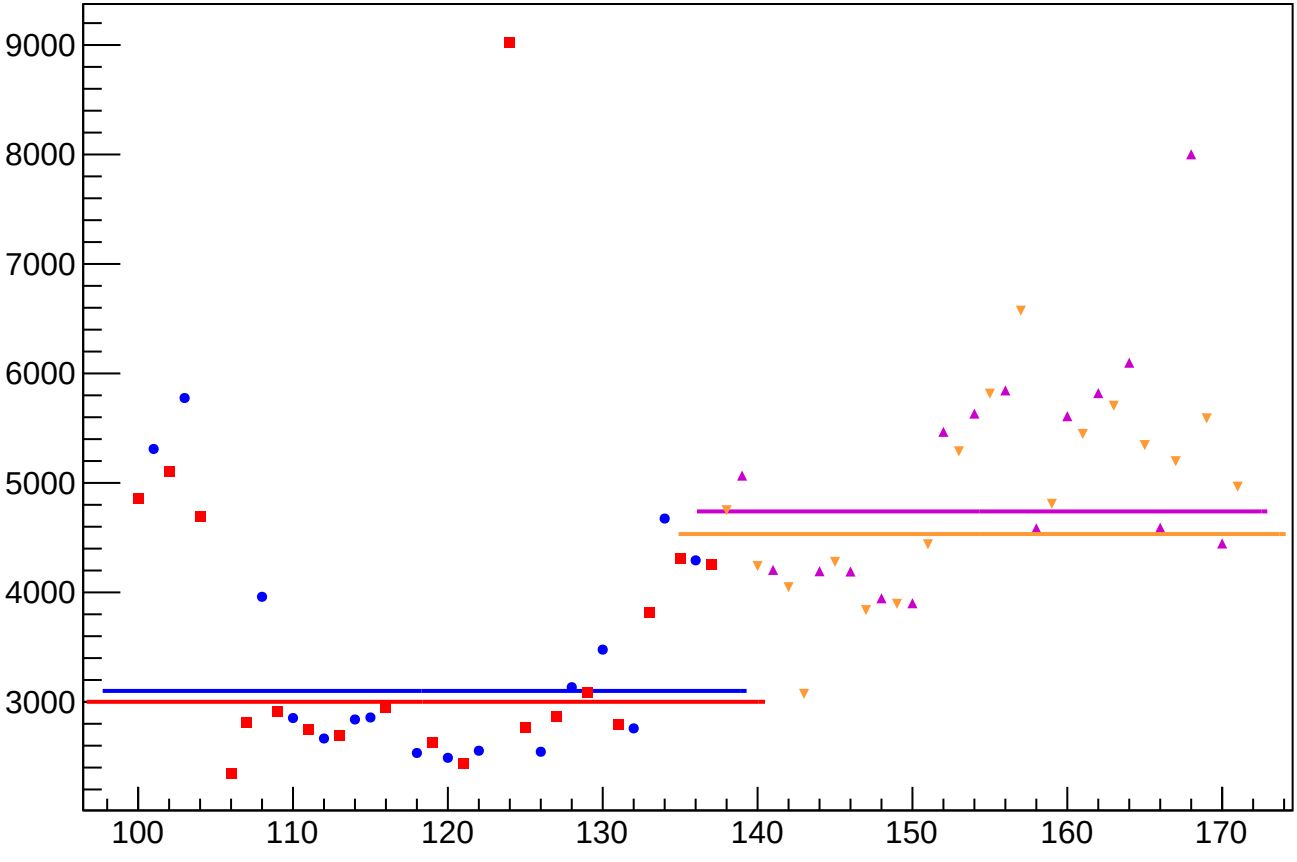
Left In: -400.202+/-1327.561 χ^2/NDF:11.1/15

+ sign 50.385+/-857.664 χ^2/NDF: 35.7/33

All: -0.453+/-611.063 χ^2/NDF: 59.7/68

- sign -52.865+/-870.834 χ^2/NDF: 24.0/34

asym_atl_dd_rms vs Slug



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4532.947+/-0.869 χ^2/NDF:1012458.5/17

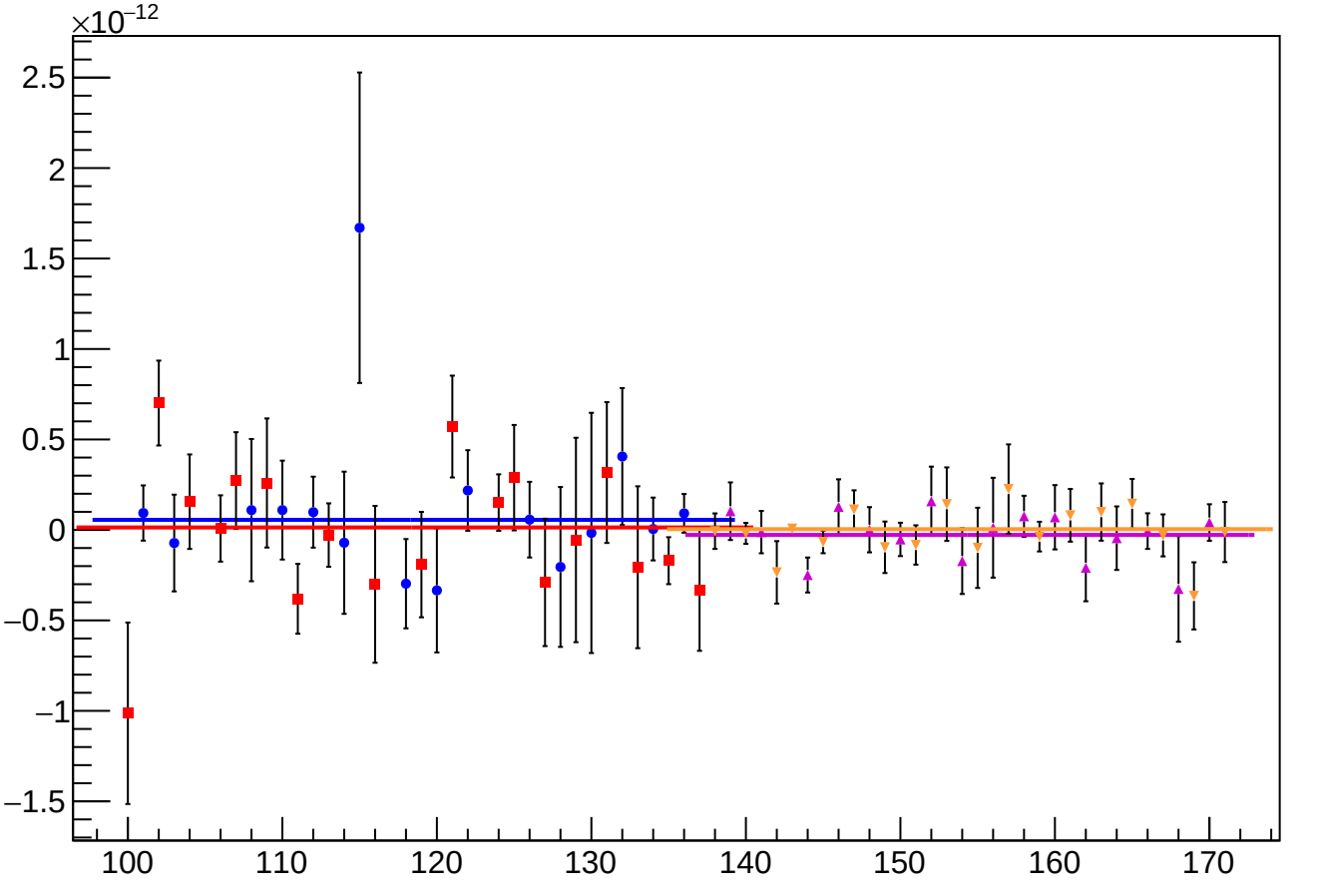
Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4739.667+/-0.939 χ^2/NDF:831263.7/15

+ sign 3797.773+/-0.606 χ^2/NDF: 3370622.9/33

All: 3767.824+/-0.430 χ^2/NDF: 6991156.6/68

- sign 3737.425+/-0.611 χ^2/NDF: 3615619.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/17

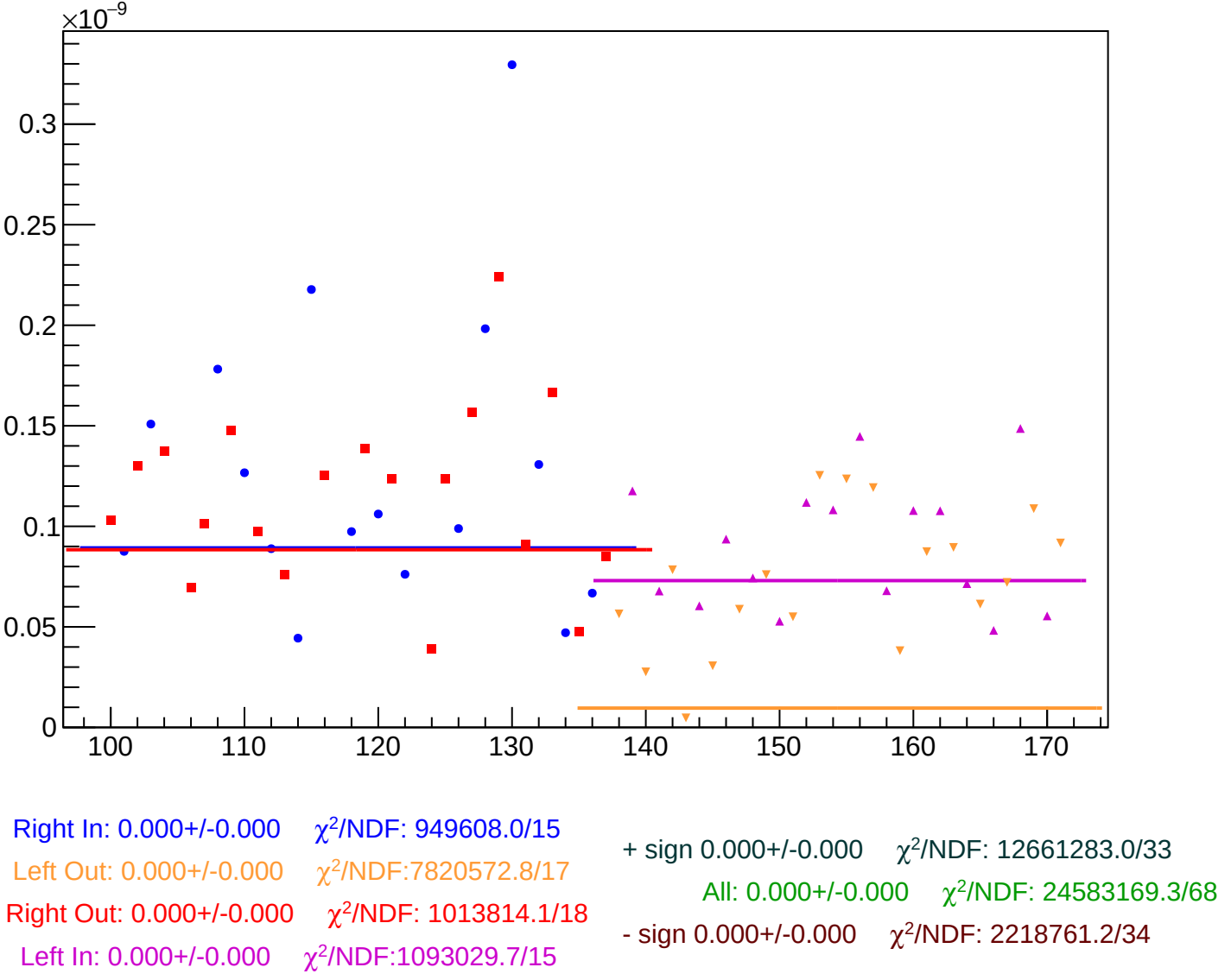
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/15

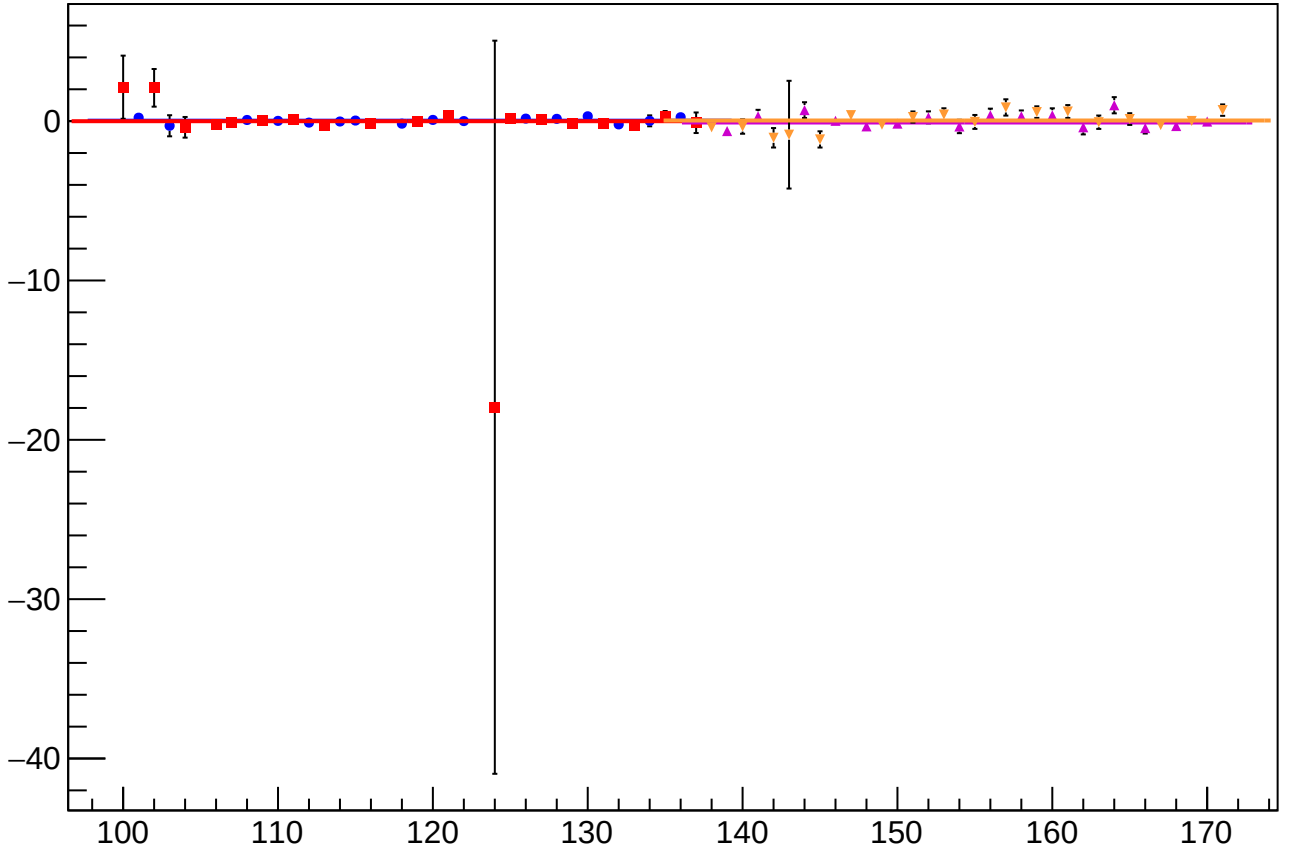
+ sign 0.000+/-0.000 χ^2/NDF: 23.3/33

All: 0.000+/-0.000 χ^2/NDF: 66.6/68

- sign -0.000+/-0.000 χ^2/NDF: 42.8/34


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 949608.0/15
Left Out: 0.000+/-0.000 χ²/NDF:7820572.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 1013814.1/18
Left In: 0.000+/-0.000 χ²/NDF:1093029.7/15
+ sign 0.000+/-0.000 χ²/NDF: 12661283.0/33
All: 0.000+/-0.000 χ²/NDF: 24583169.3/68
- sign 0.000+/-0.000 χ²/NDF: 2218761.2/34

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

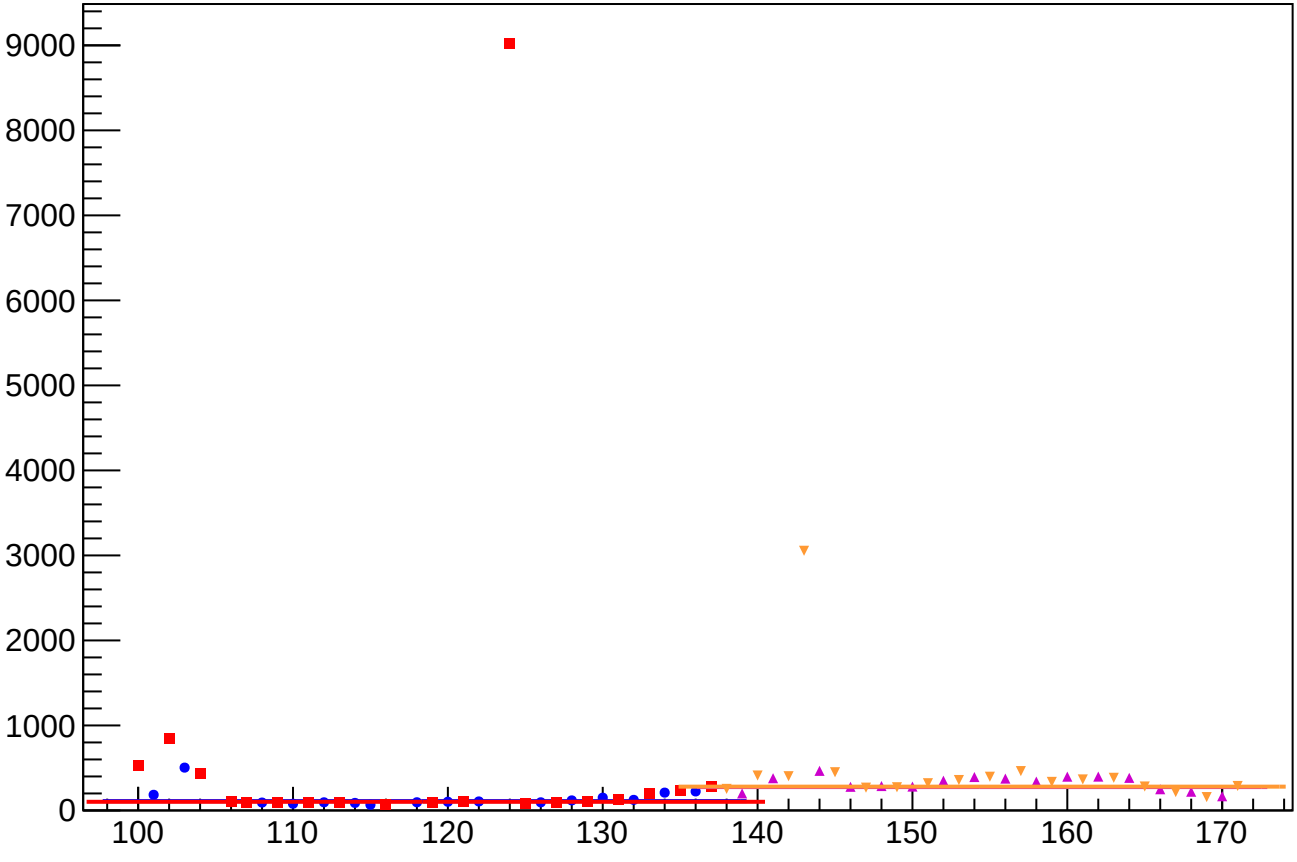
Left In: -0.086+/-0.080 χ^2/NDF:21.1/15

+ sign 0.031+/-0.040 χ^2/NDF: 35.2/33

All: 0.004+/-0.027 χ^2/NDF: 80.4/68

- sign -0.022+/-0.038 χ^2/NDF: 44.3/34

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 280.103+/-0.057 χ^2/NDF:3711213.6/17

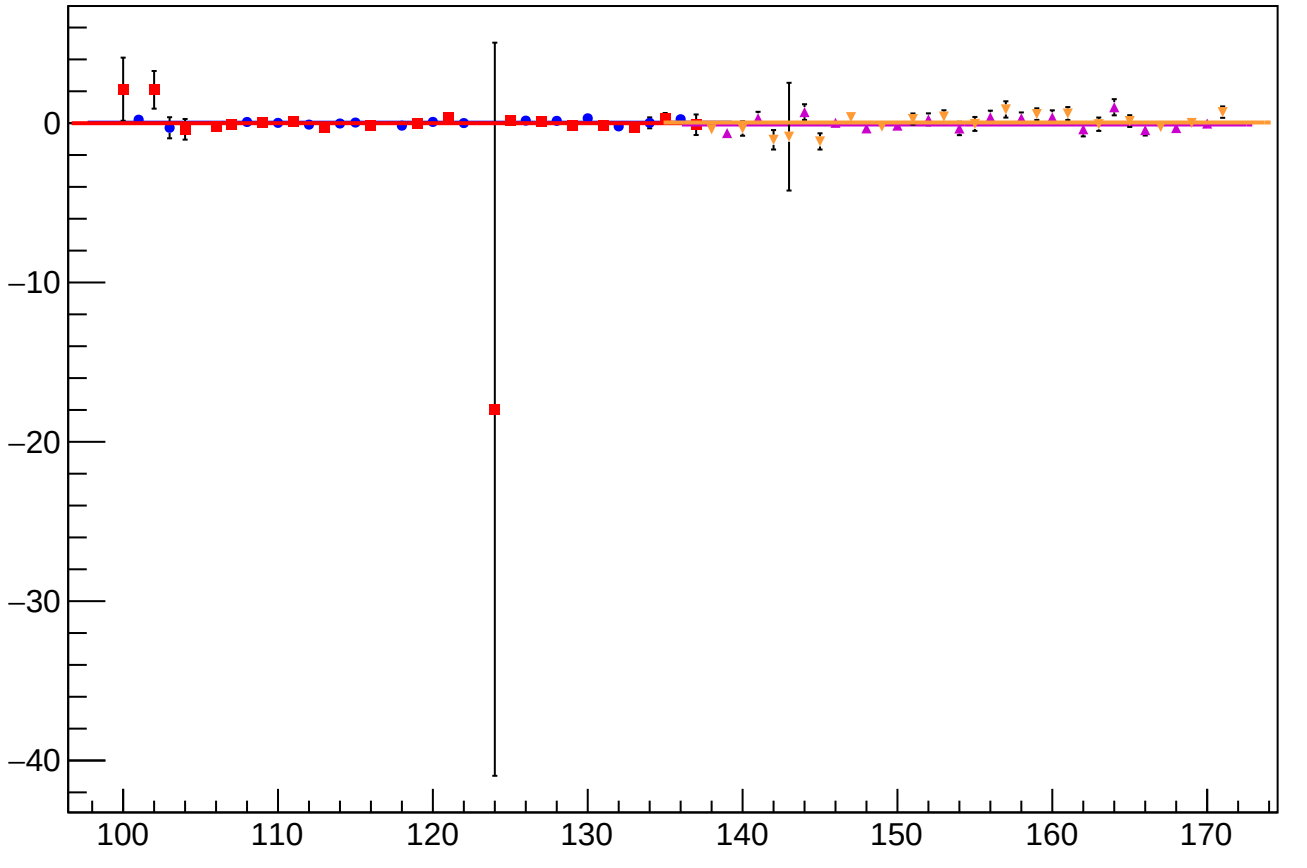
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 275.115+/-0.057 χ^2/NDF:2225464.1/15

+ sign 150.646+/-0.028 χ^2/NDF: 12382470.3/33

All: 145.660+/-0.019 χ^2/NDF: 24473086.0/68

- sign 141.011+/-0.027 χ^2/NDF: 12029093.1/34



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: -0.086+/-0.080 χ^2/NDF:21.1/15

+ sign 0.031+/-0.040 χ^2/NDF: 35.2/33

All: 0.004+/-0.027 χ^2/NDF: 80.4/68

- sign -0.022+/-0.038 χ^2/NDF: 44.3/34

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: 280.103+/-0.057 χ^2/NDF:3711213.6/17

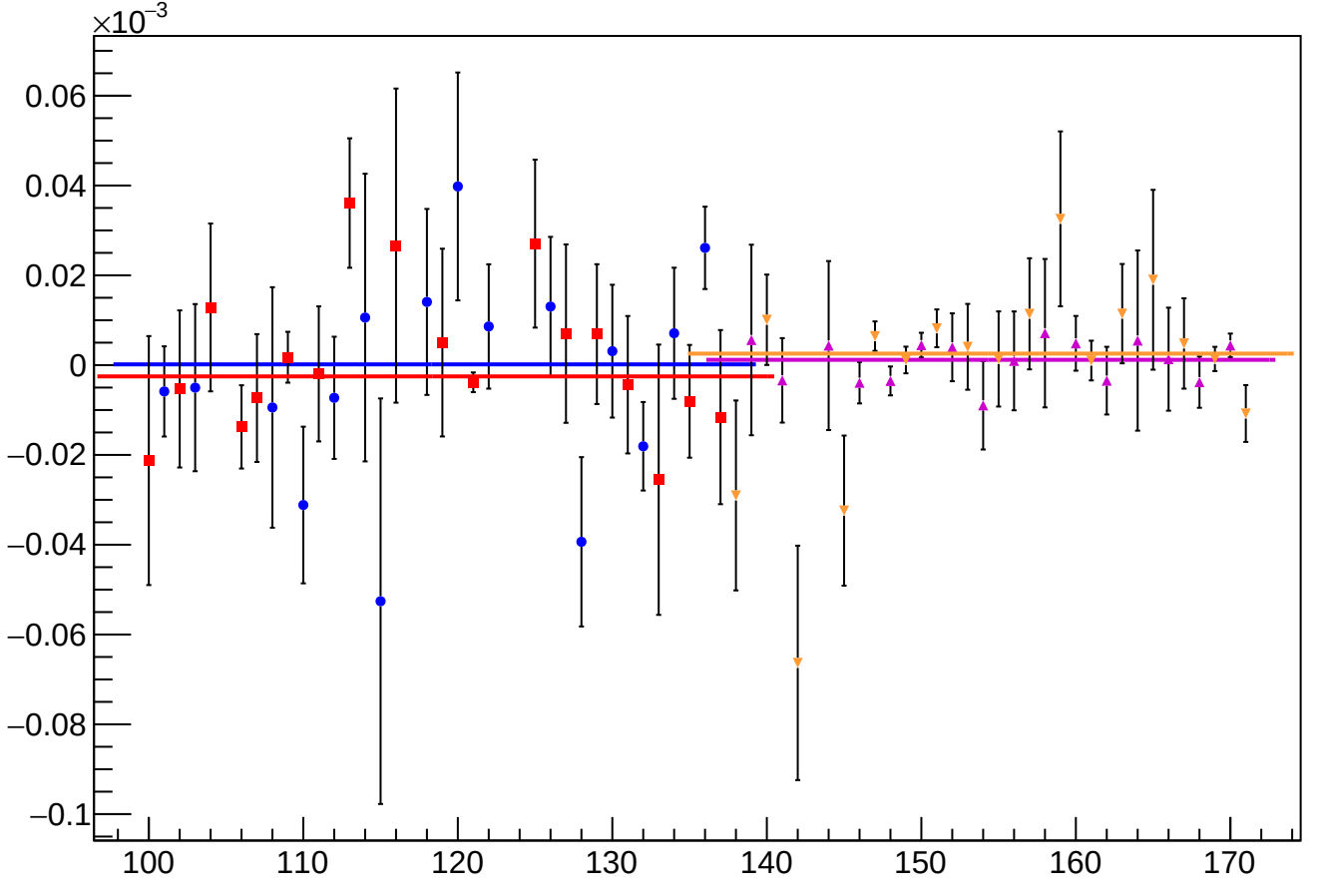
Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 275.115+/-0.057 χ^2/NDF:2225464.1/15

+ sign 150.646+/-0.028 χ^2/NDF: 12382470.3/33

All: 145.660+/-0.019 χ^2/NDF: 24473086.0/68

- sign 141.011+/-0.027 χ^2/NDF: 12029093.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

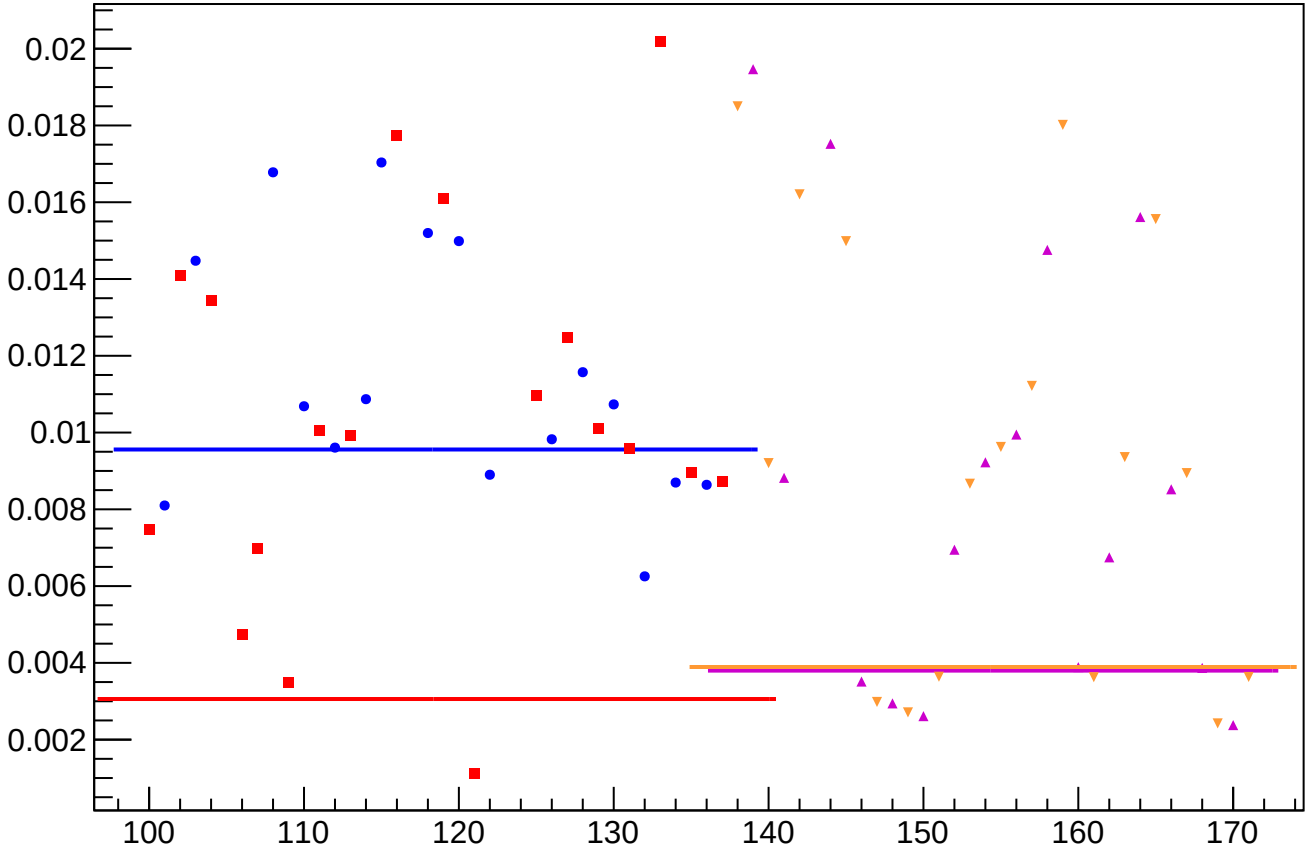
Left In: 0.000+/-0.000 χ^2/NDF:9.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/32

All: 0.000+/-0.000 χ^2/NDF: 82.5/66

- sign -0.000+/-0.000 χ^2/NDF: 27.8/33

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:8427634.9/16

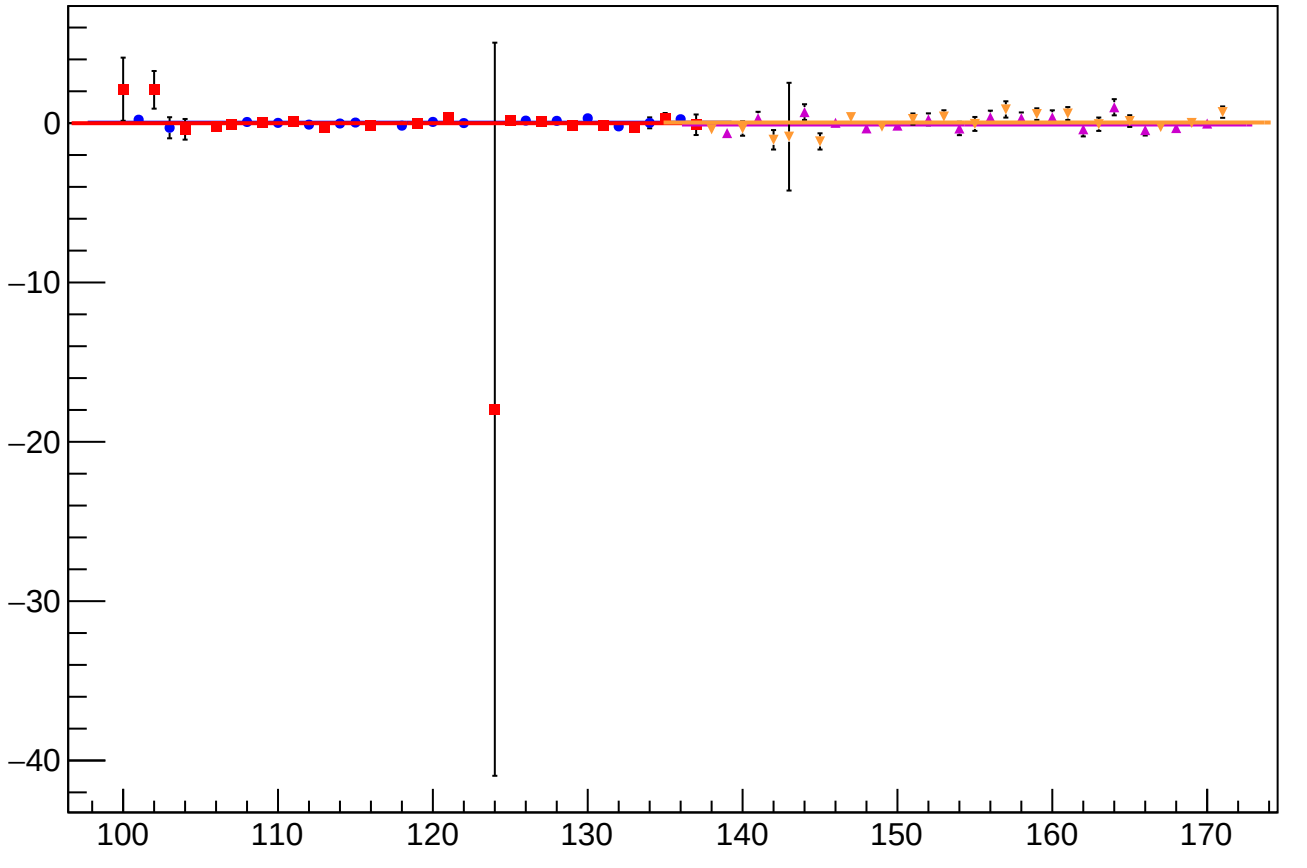
Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:7616166.4/15

+ sign 0.005+/-0.000 χ^2/NDF: 13429108.8/32

All: 0.004+/-0.000 χ^2/NDF: 30117685.3/66

- sign 0.004+/-0.000 χ^2/NDF: 15951883.6/33



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

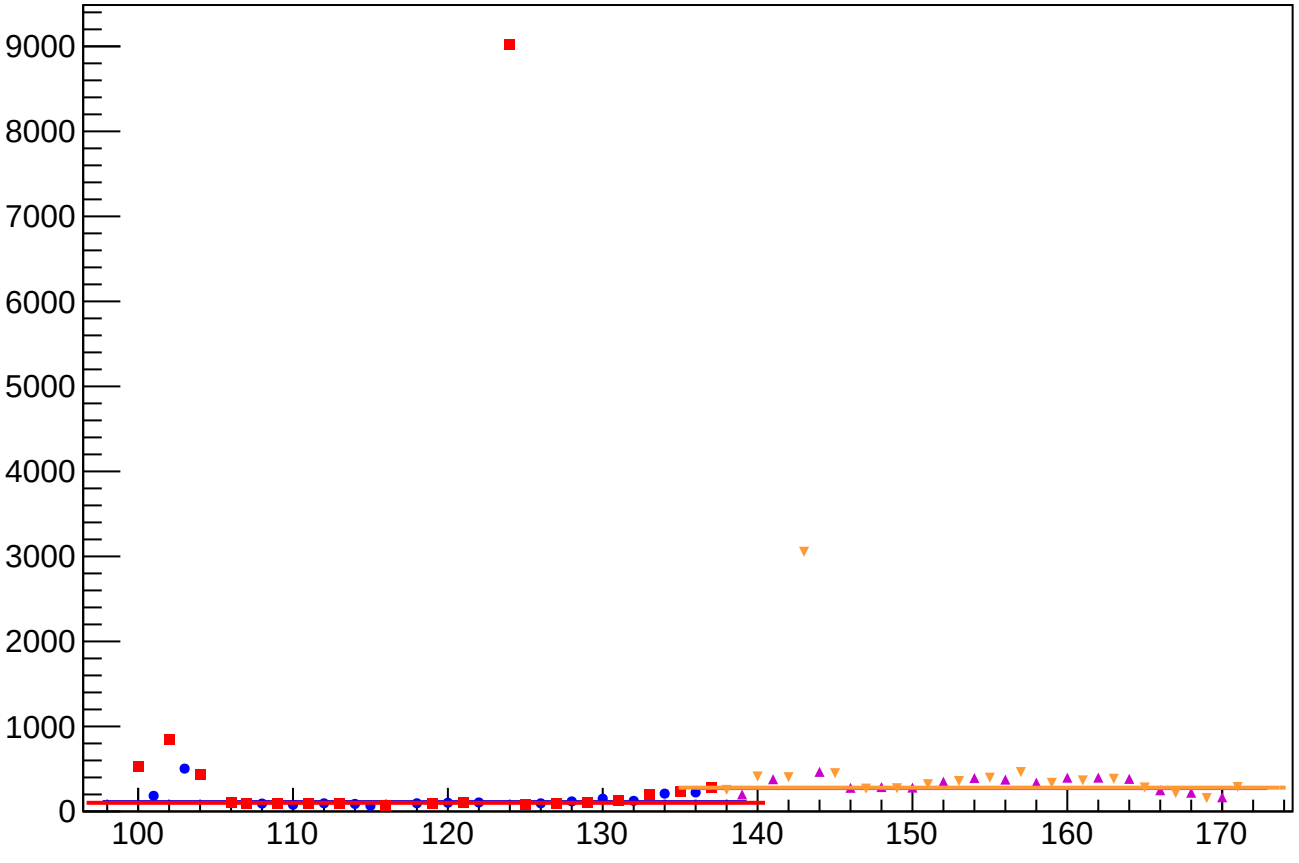
Left In: -0.086+/-0.080 χ^2/NDF:21.1/15

+ sign 0.031+/-0.040 χ^2/NDF: 35.2/33

All: 0.004+/-0.027 χ^2/NDF: 80.4/68

- sign -0.022+/-0.038 χ^2/NDF: 44.3/34

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: 280.105+/-0.057 χ^2/NDF:3711295.0/17

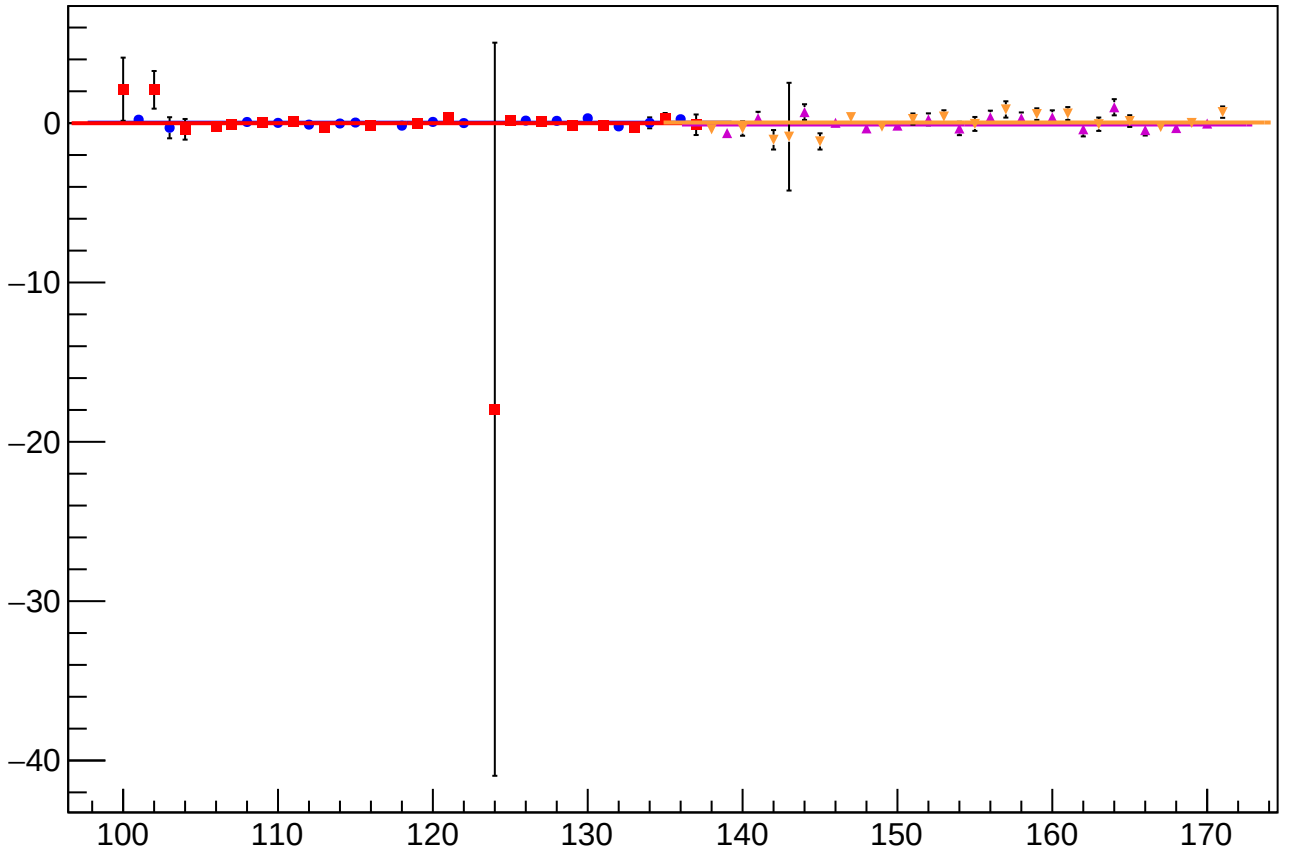
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 275.118+/-0.057 χ^2/NDF:2225466.1/15

+ sign 150.647+/-0.028 χ^2/NDF: 12382470.1/33

All: 145.661+/-0.019 χ^2/NDF: 24473019.5/68

- sign 141.013+/-0.027 χ^2/NDF: 12029033.8/34



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

Right Out: -0.003+/-0.043 χ^2/NDF: 22.4/18

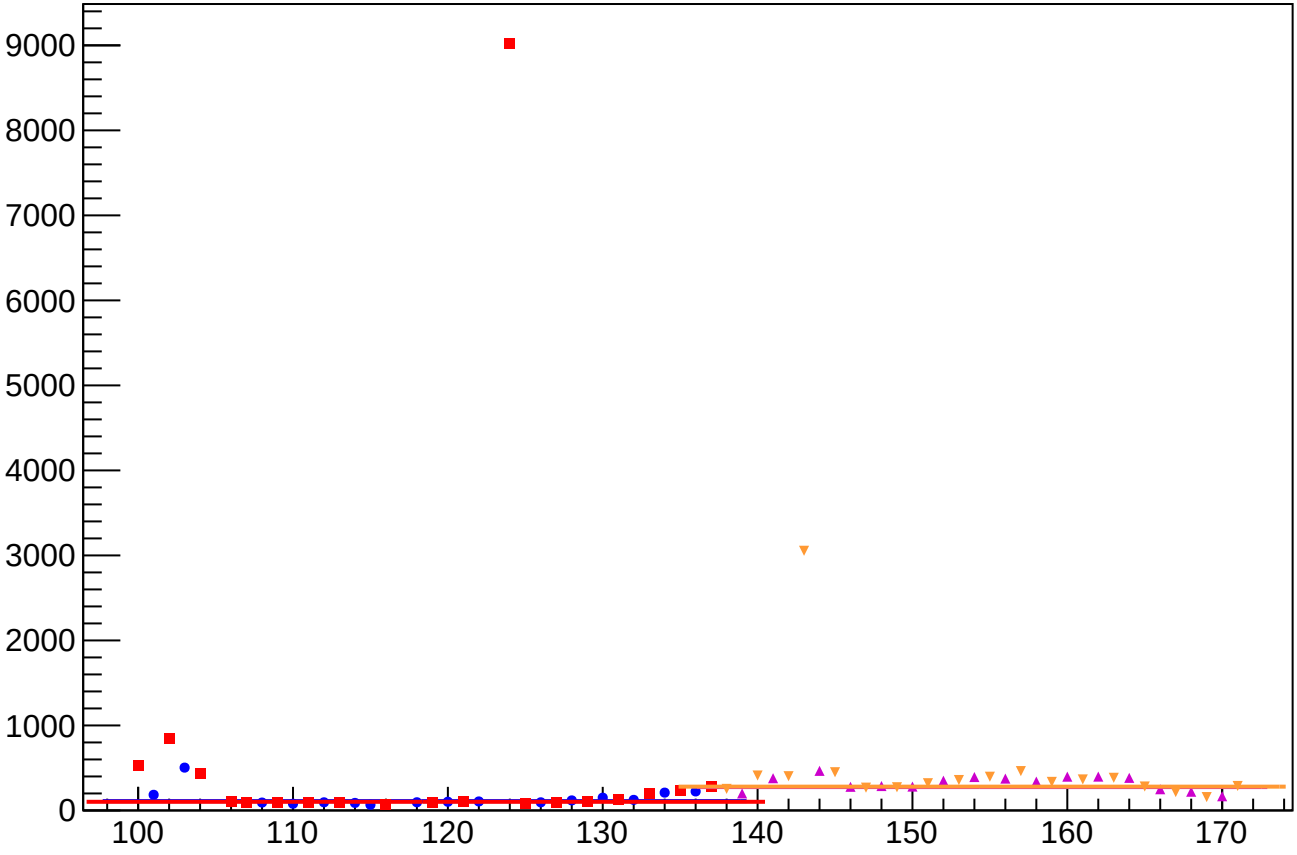
Left In: -0.086+/-0.080 χ^2/NDF:21.1/15

+ sign 0.031+/-0.040 χ^2/NDF: 35.2/33

All: 0.004+/-0.027 χ^2/NDF: 80.4/68

- sign -0.022+/-0.038 χ^2/NDF: 44.3/34

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 280.105+/-0.057 χ^2/NDF:3711295.0/17

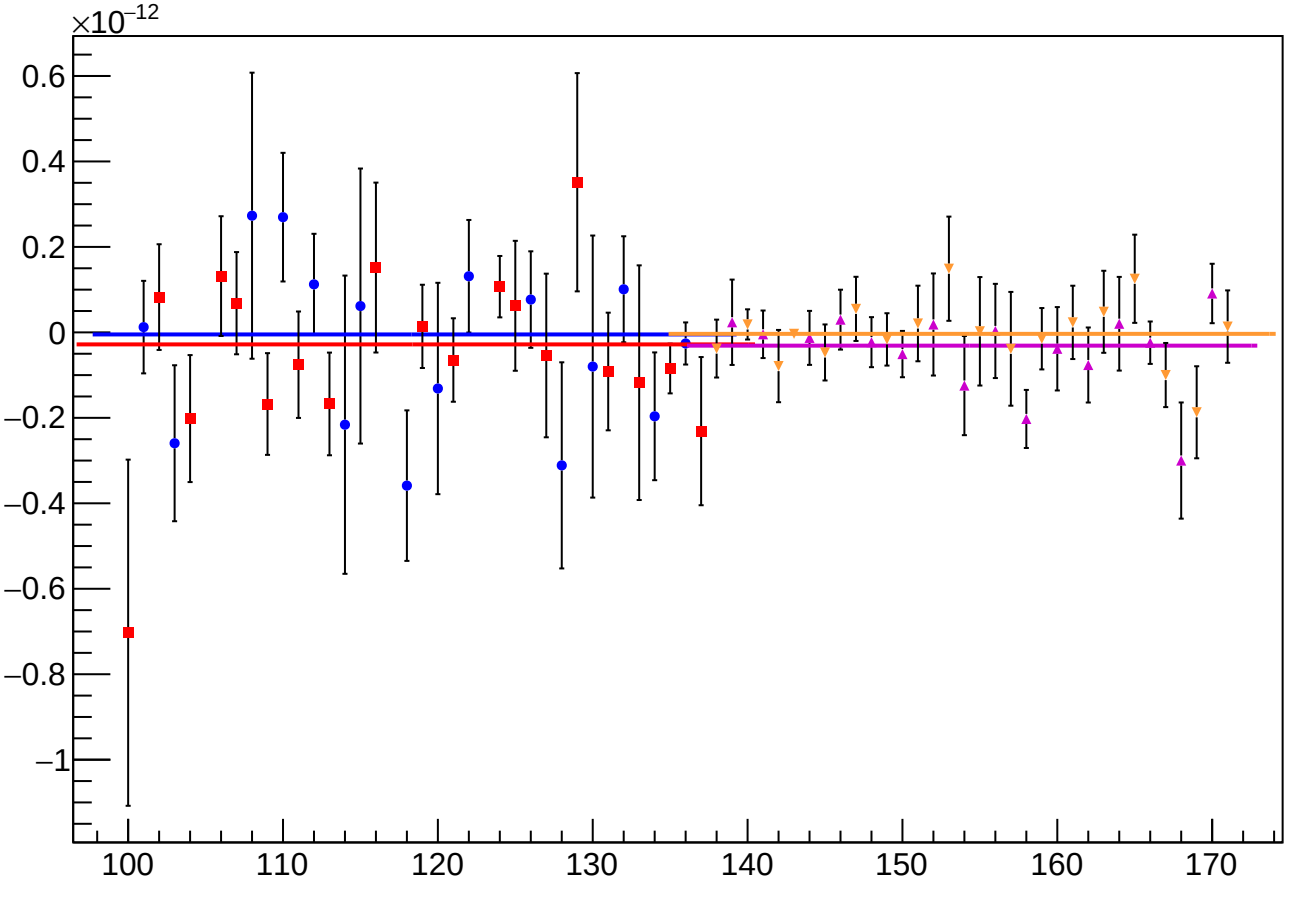
Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 275.118+/-0.057 χ^2/NDF:2225466.1/15

+ sign 150.647+/-0.028 χ^2/NDF: 12382470.1/33

All: 145.661+/-0.019 χ^2/NDF: 24473019.5/68

- sign 141.013+/-0.027 χ^2/NDF: 12029033.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/17

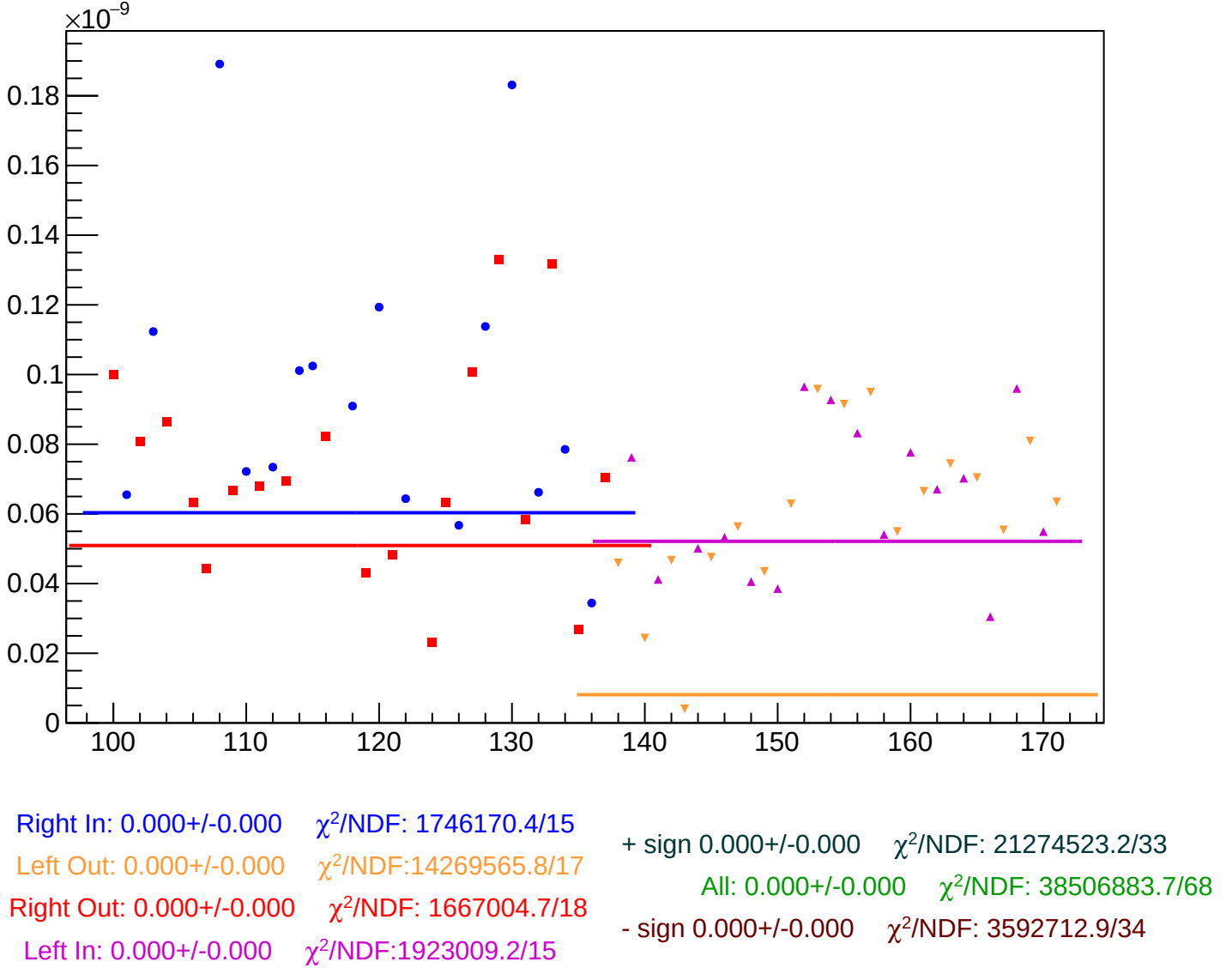
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

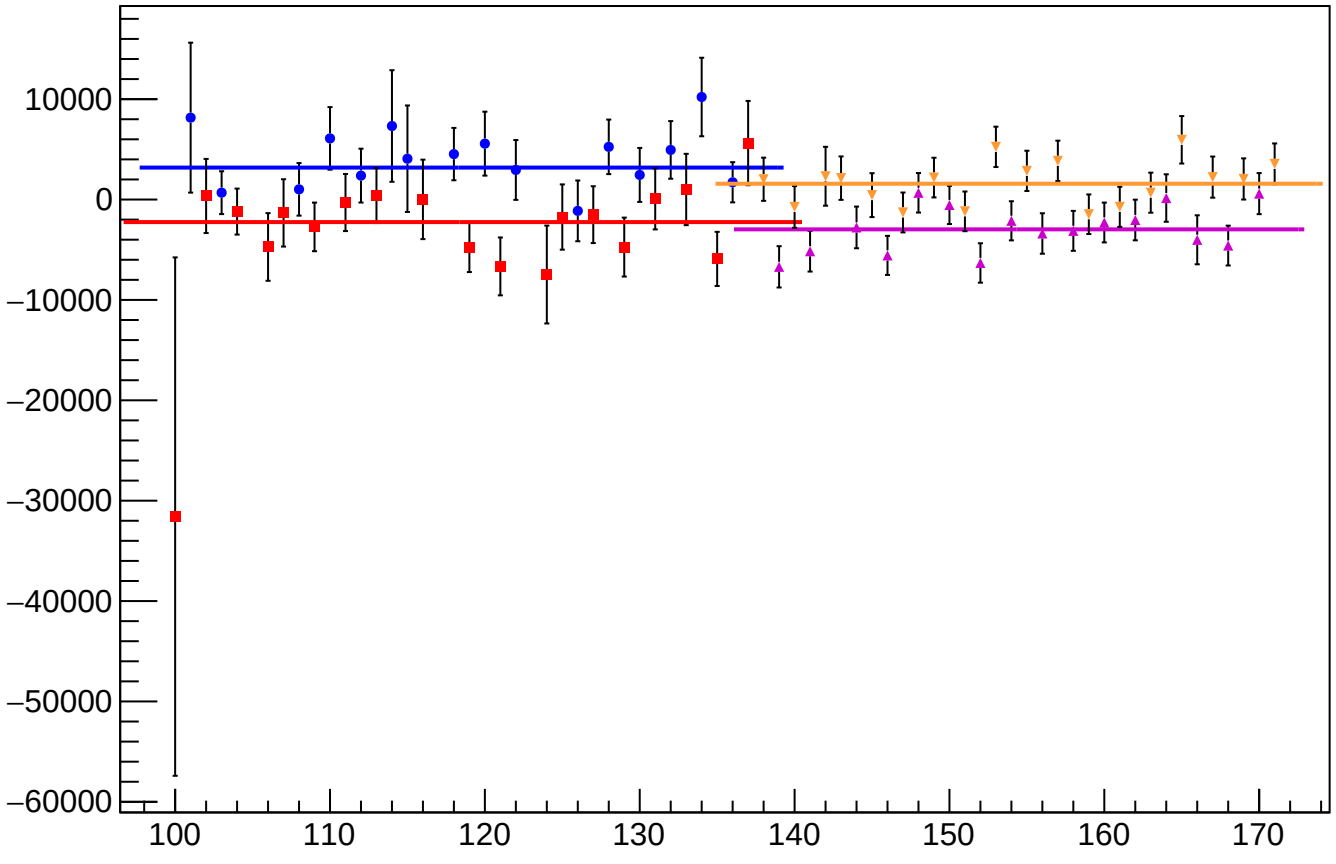
Left In: -0.000+/-0.000 χ^2/NDF:16.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 28.3/33

All: -0.000+/-0.000 χ^2/NDF: 67.0/68

- sign -0.000+/-0.000 χ^2/NDF: 36.0/34


asym_atl_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
170
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:14269565.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1923009.2/15
+ sign 0.000+/-0.000 χ²/NDF: 21274523.2/33
All: 0.000+/-0.000 χ²/NDF: 38506883.7/68
- sign 0.000+/-0.000 χ²/NDF: 3592712.9/34



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.145+/-490.791 χ^2/NDF:19.3/17

Right Out: -2246.057+/-710.912 χ^2/NDF: 16.5/18

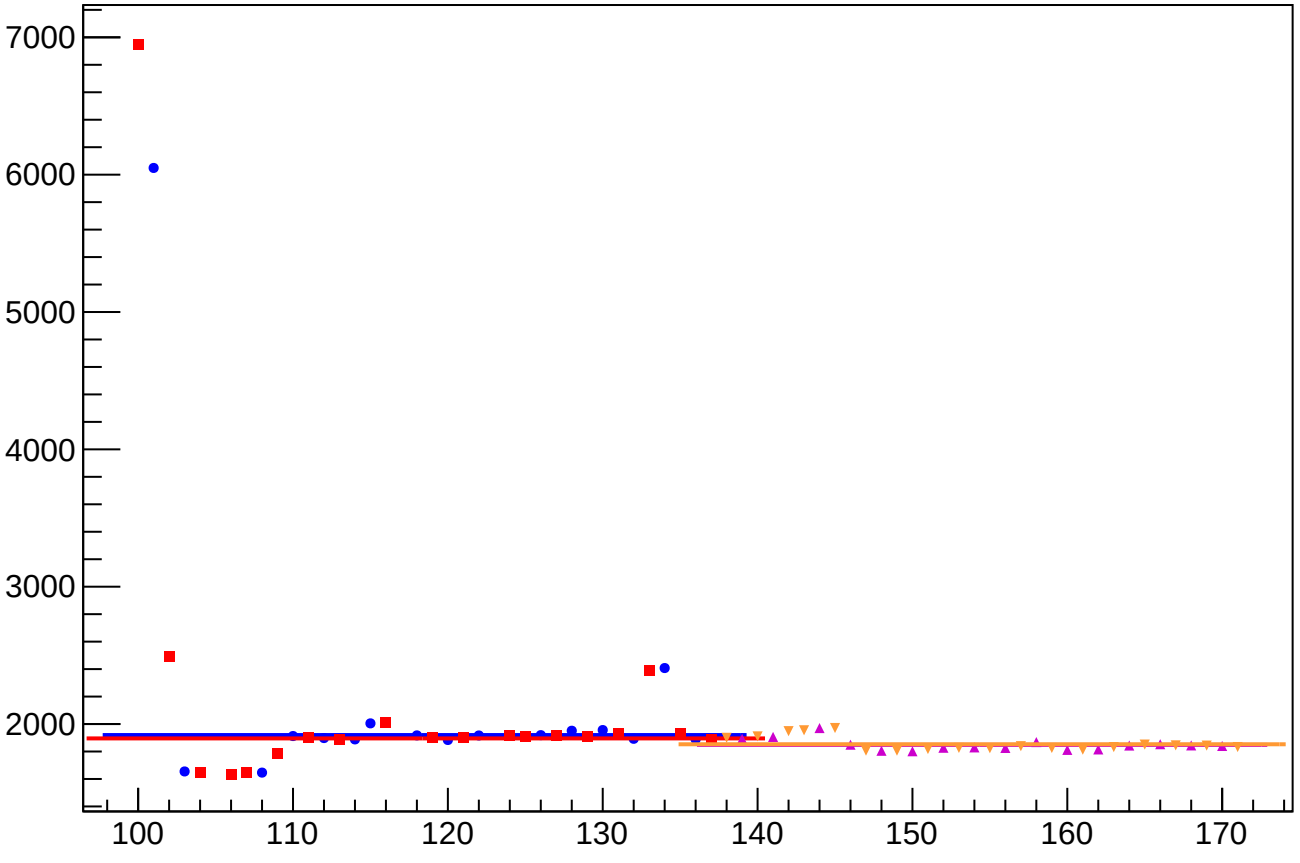
Left In: -2970.267+/-508.356 χ^2/NDF:20.4/15

+ sign 2074.819+/-407.494 χ^2/NDF: 34.3/33

All: -290.033+/-290.246 χ^2/NDF: 140.2/68

- sign -2725.243+/-413.511 χ^2/NDF: 37.6/34

reg_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

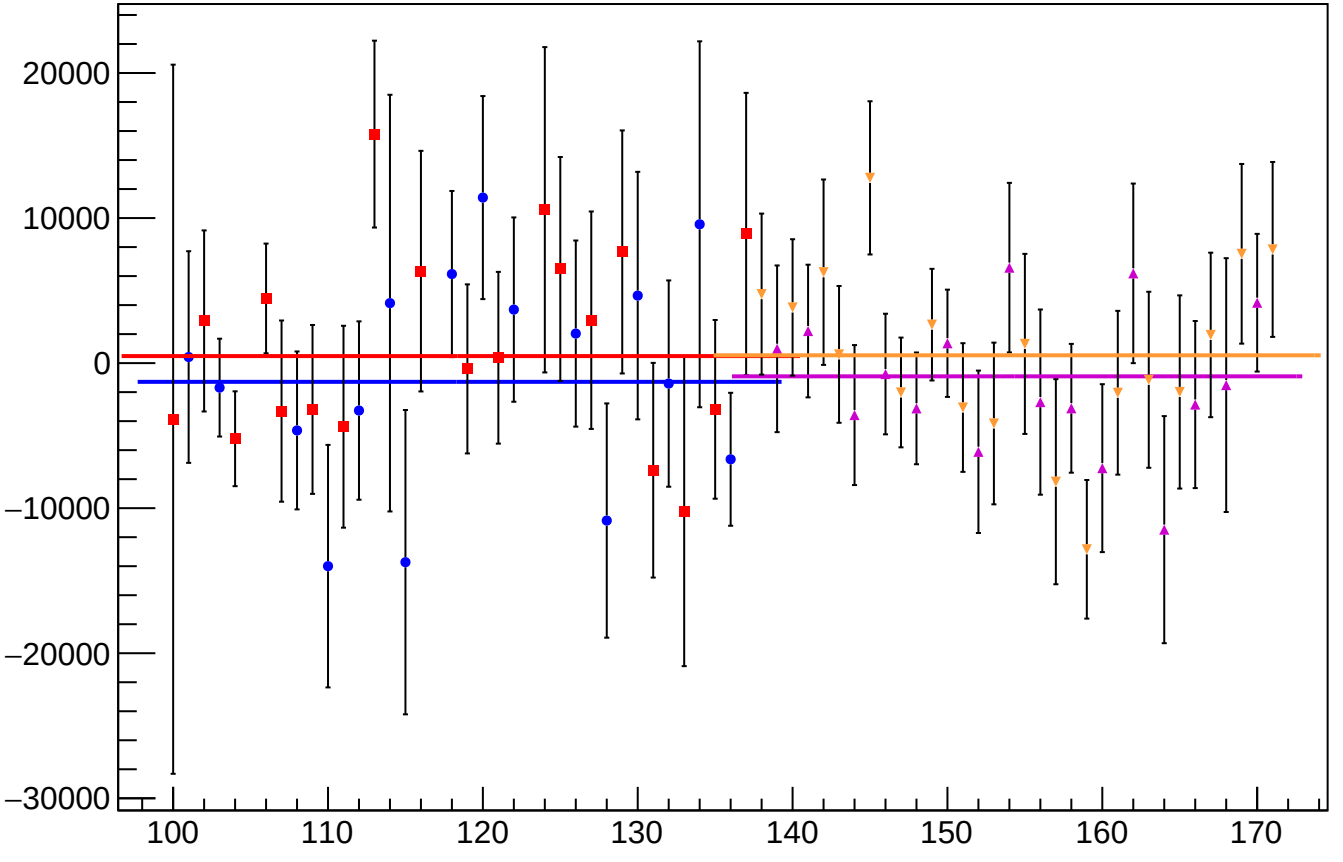
Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

+ sign 1873.518+/-0.288 χ^2/NDF: 729155.5/33

All: 1868.867+/-0.205 χ^2/NDF: 971615.6/68

- sign 1864.090+/-0.292 χ^2/NDF: 241932.0/34

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 539.286+/-1231.901 χ^2/NDF:22.0/17

Right Out: 485.214+/-1437.465 χ^2/NDF: 17.2/18

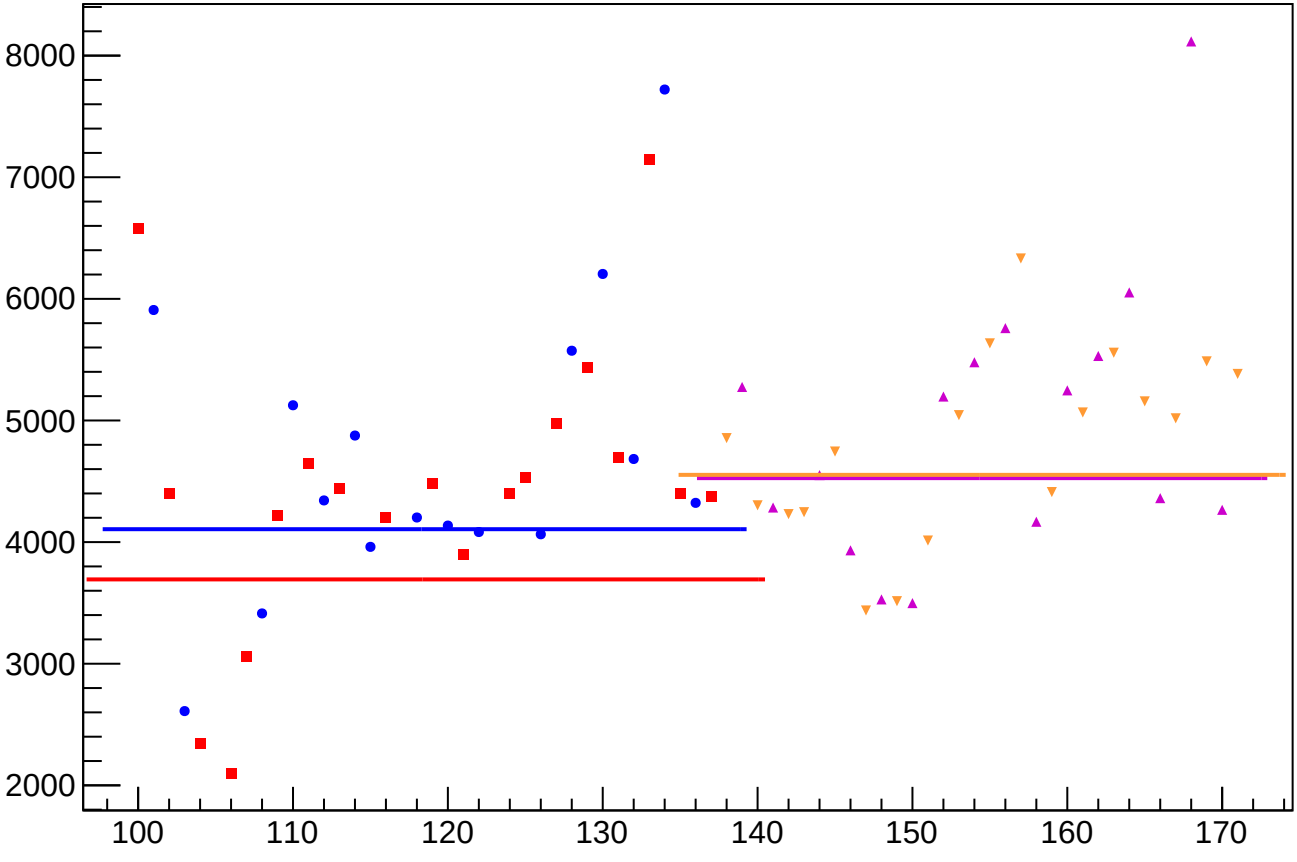
Left In: -911.610+/-1274.400 χ^2/NDF:10.0/15

\+ sign -149.555+/-972.764 χ^2/NDF: 37.1/33

All: -224.686+/-680.972 χ^2/NDF: 64.9/68

\- sign -296.886+/-953.600 χ^2/NDF: 27.8/34

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4552.905+/-0.871 χ^2/NDF:766160.5/17

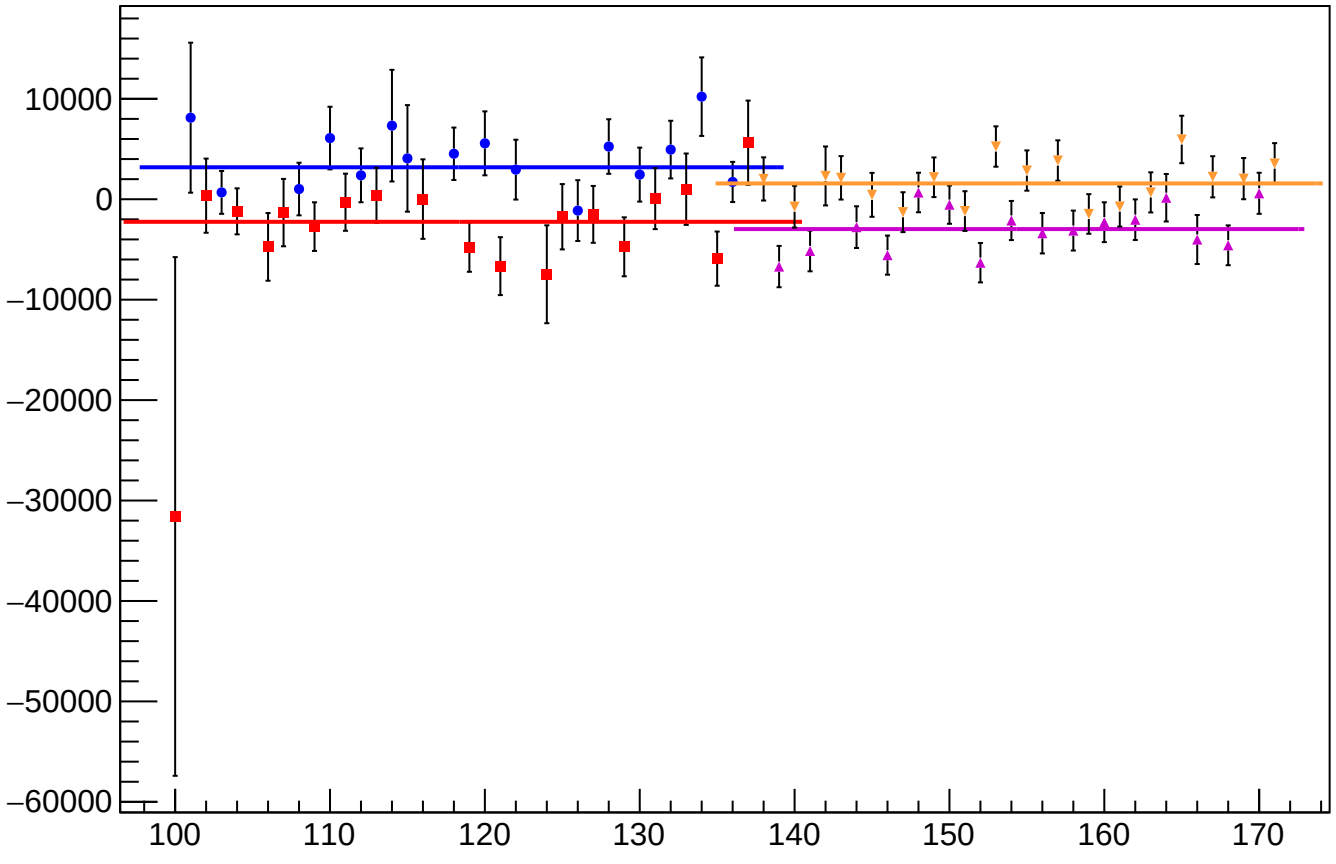
Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4525.994+/-0.901 χ^2/NDF:1042782.3/15

+ sign 4384.716+/-0.688 χ^2/NDF: 1821317.8/33

All: 4269.879+/-0.482 χ^2/NDF: 4651206.3/68

- sign 4159.522+/-0.674 χ^2/NDF: 2775230.5/34



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.019+/-490.791 χ^2/NDF:19.3/17

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

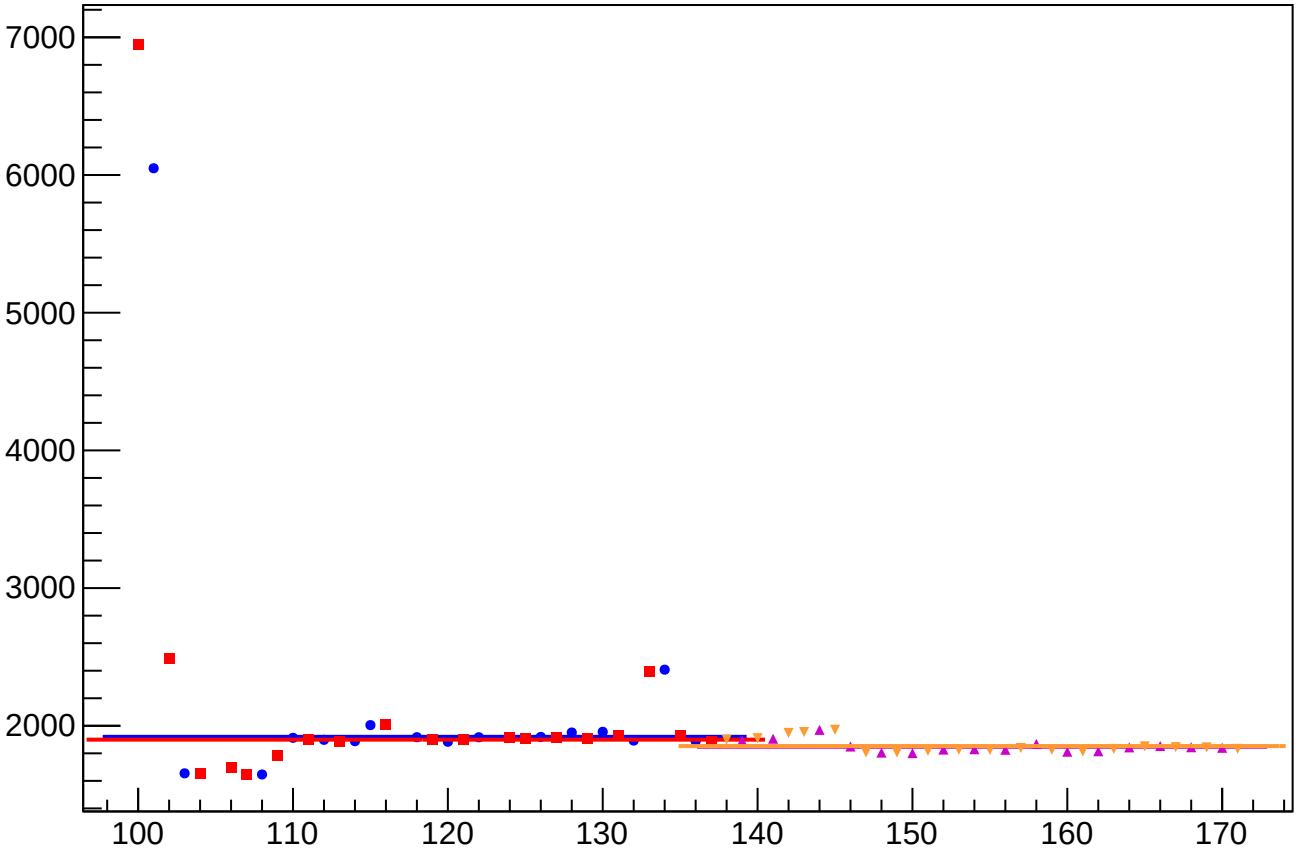
Left In: -2970.252+/-508.356 χ^2/NDF:20.4/15

+ sign 2074.505+/-407.494 χ^2/NDF: 34.3/33

All: -290.373+/-290.246 χ^2/NDF: 140.2/68

- sign -2725.619+/-413.512 χ^2/NDF: 37.6/34

cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

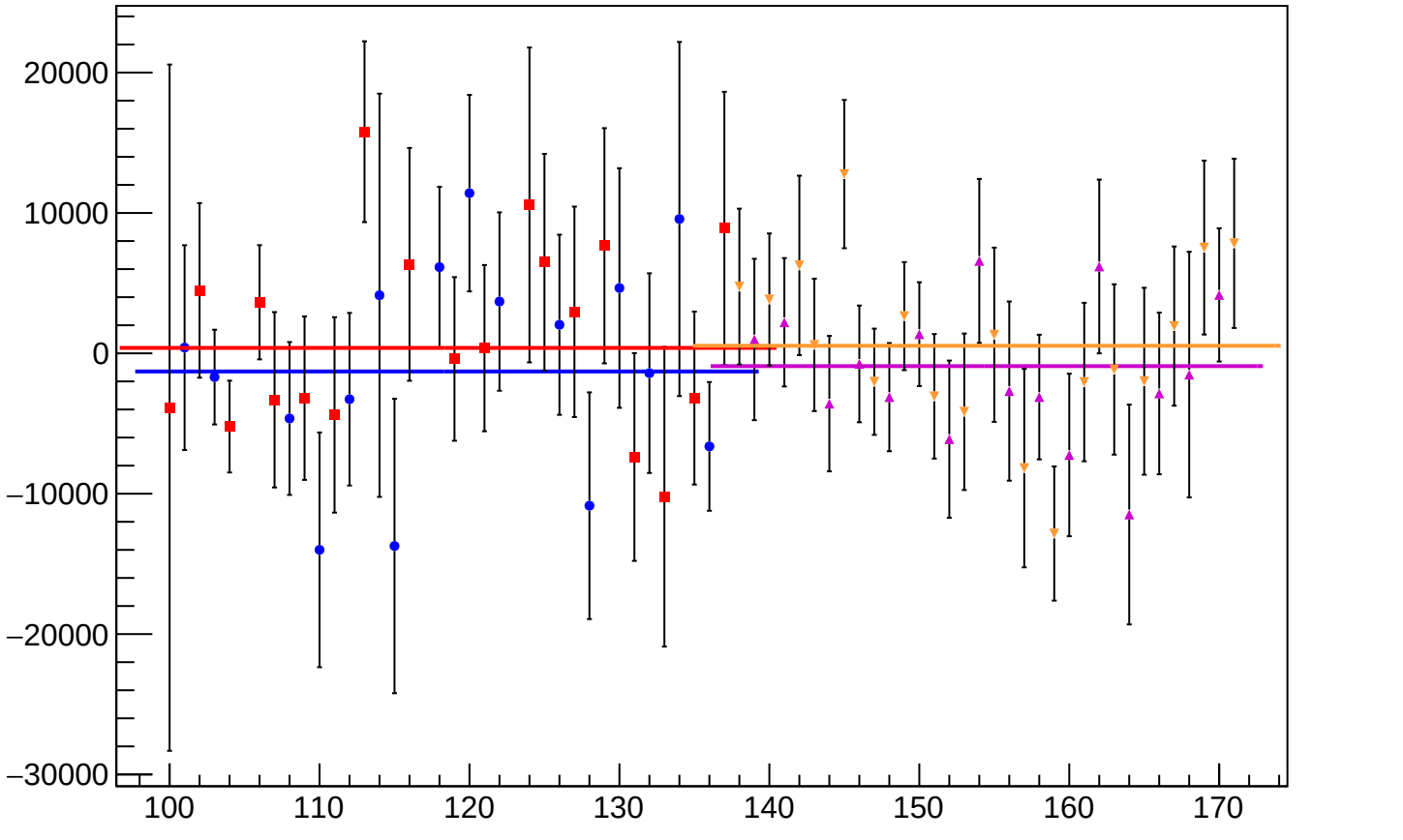
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

+ sign 1873.518+/-0.288 χ^2/NDF: 729154.8/33

All: 1869.520+/-0.205 χ^2/NDF: 965879.9/68

- sign 1865.407+/-0.292 χ^2/NDF: 236334.5/34



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 539.253+/-1231.898 χ^2/NDF:22.0/17

Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

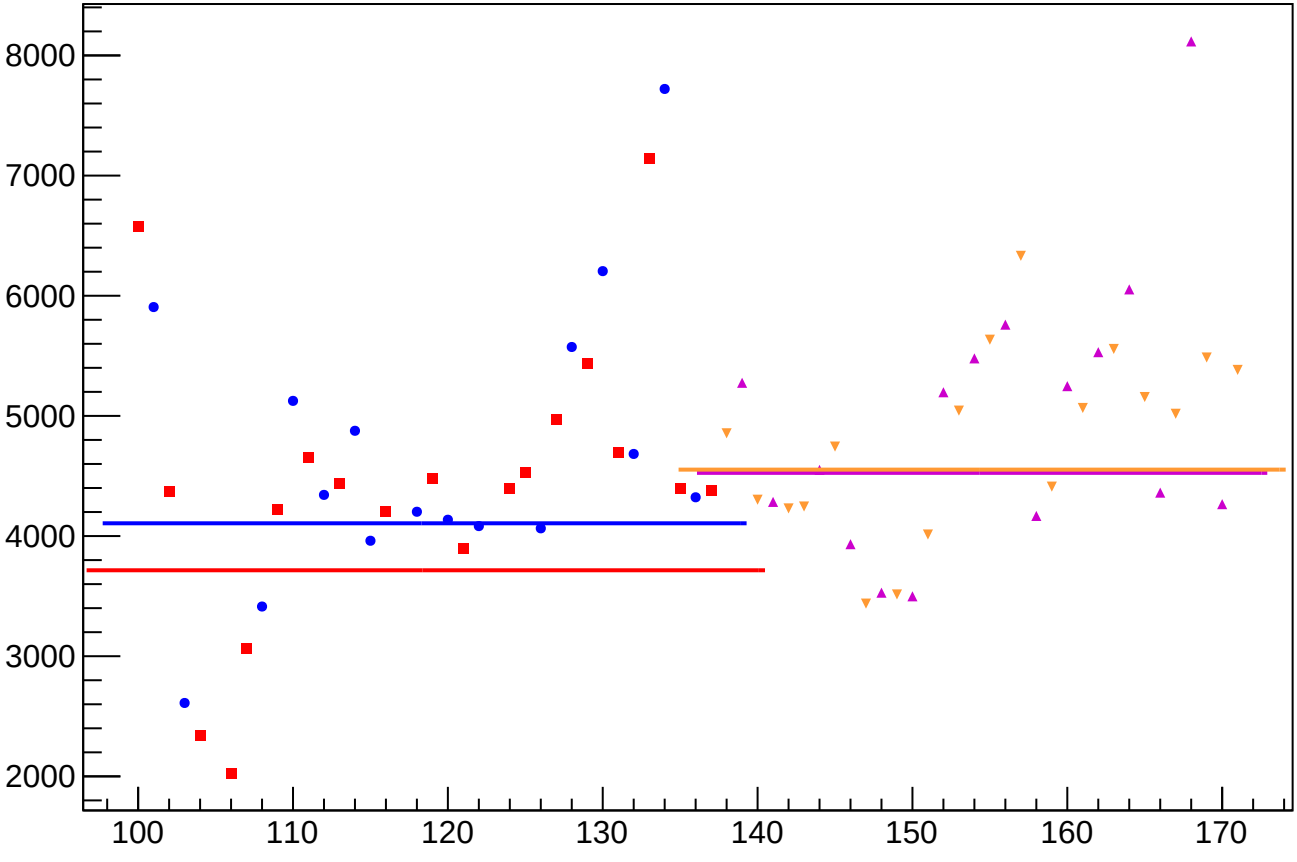
Left In: -911.632+/-1274.401 χ^2/NDF:10.0/15

+ sign -149.710+/-972.763 χ^2/NDF: 37.1/33

All: -249.426+/-682.450 χ^2/NDF: 64.6/68

- sign -346.073+/-957.673 χ^2/NDF: 27.5/34

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4552.893+/-0.871 χ^2/NDF:766176.8/17

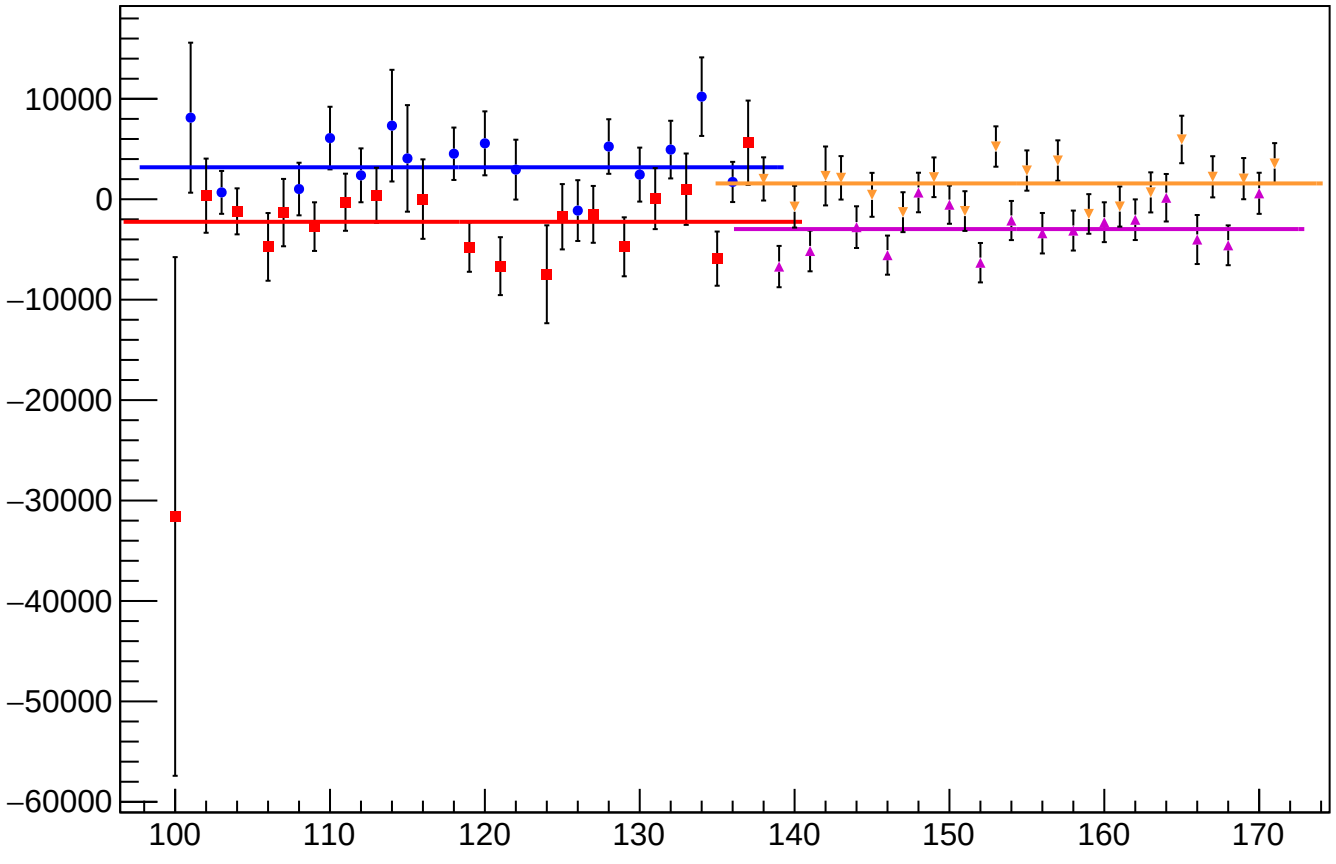
Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4525.995+/-0.901 χ^2/NDF:1042776.1/15

+ sign 4384.744+/-0.688 χ^2/NDF: 1820788.5/33

All: 4277.249+/-0.483 χ^2/NDF: 4599146.4/68

- sign 4173.062+/-0.677 χ^2/NDF: 2730264.0/34



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.019+/-490.791 χ^2/NDF:19.3/17

Right Out: -2247.193+/-710.916 χ^2/NDF: 16.5/18

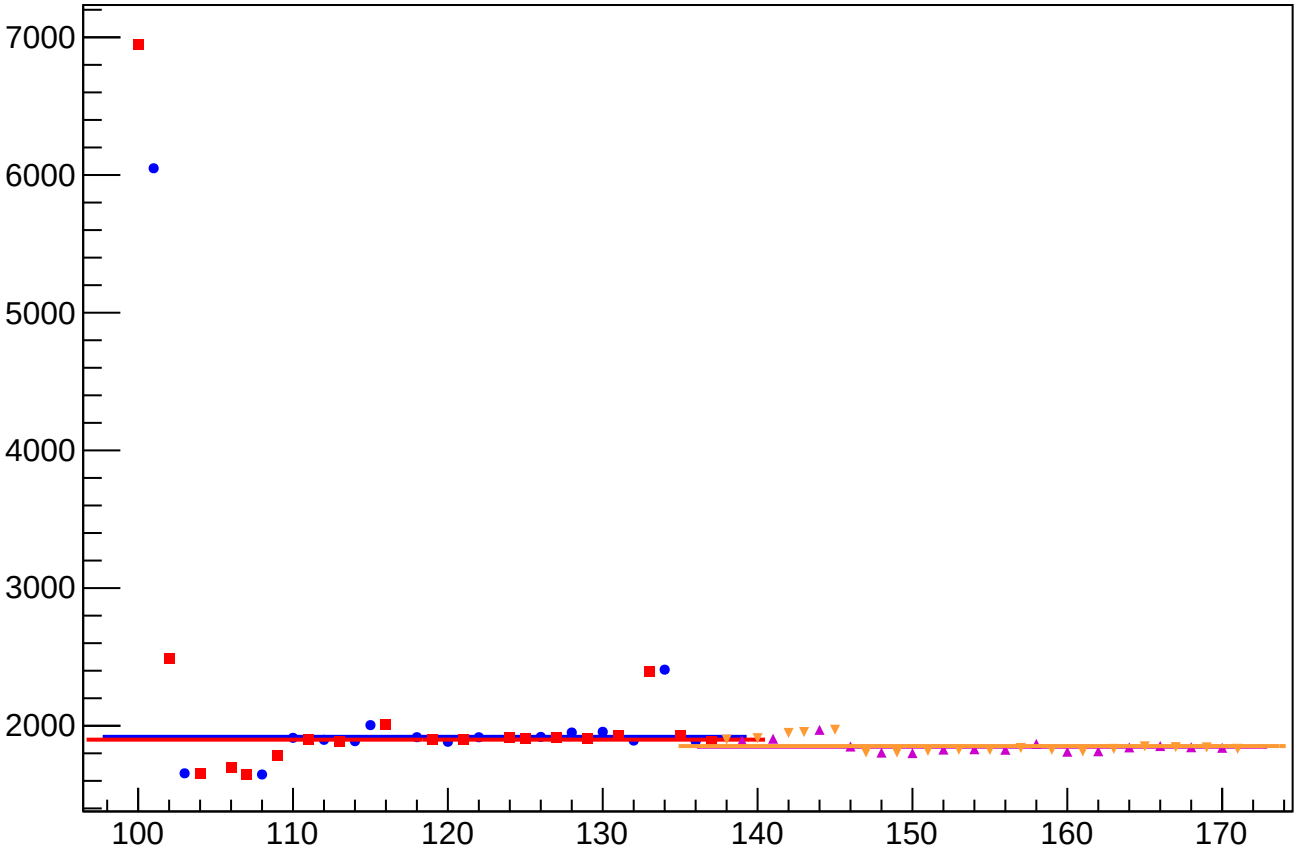
Left In: -2970.252+/-508.356 χ^2/NDF:20.4/15

+ sign 2074.505+/-407.494 χ^2/NDF: 34.3/33

All: -290.373+/-290.246 χ^2/NDF: 140.2/68

- sign -2725.619+/-413.512 χ^2/NDF: 37.6/34

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

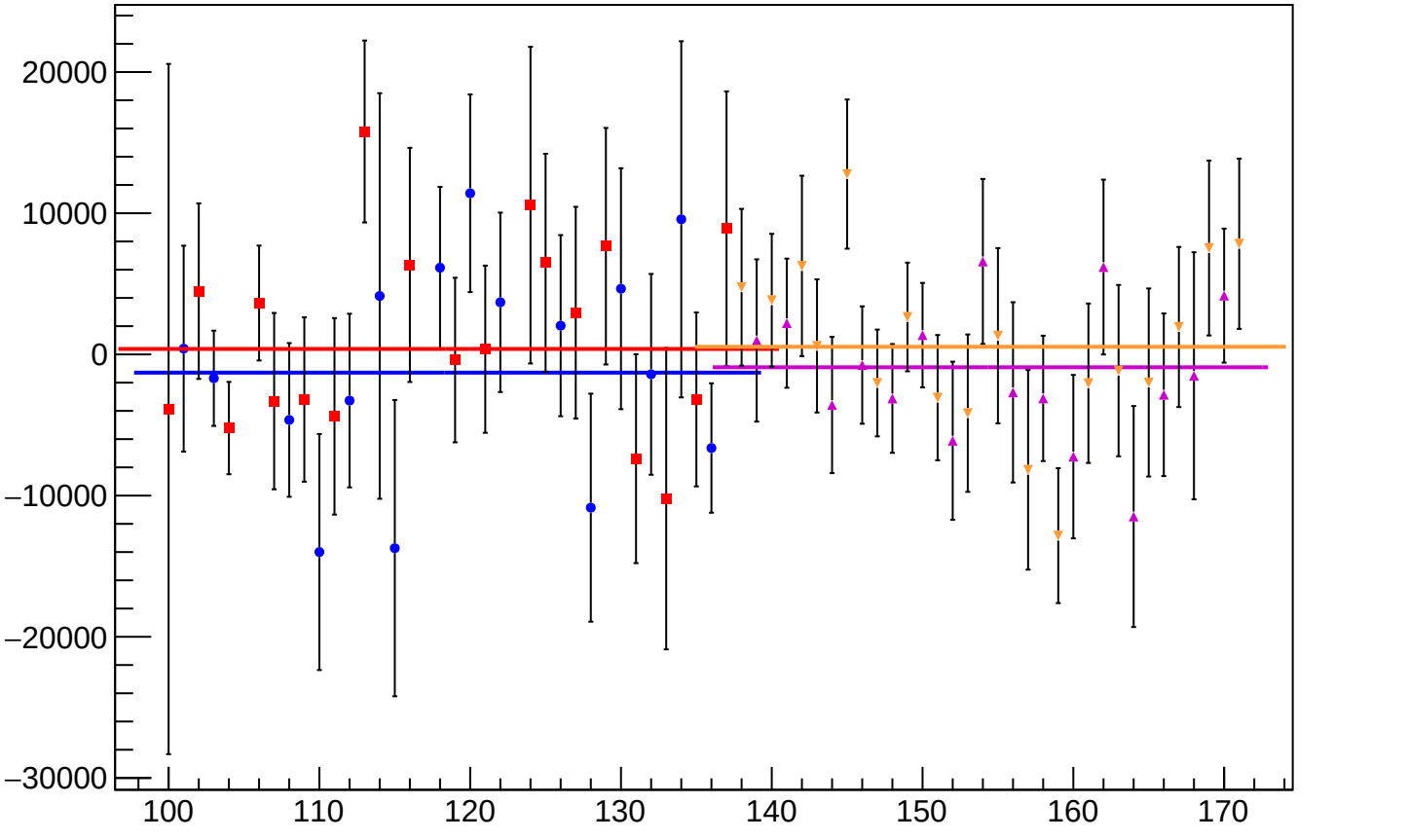
Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.989+/-0.359 χ^2/NDF:13754.9/15

+ sign 1873.518+/-0.288 χ^2/NDF: 729154.8/33

All: 1869.520+/-0.205 χ^2/NDF: 965879.9/68

- sign 1865.407+/-0.292 χ^2/NDF: 236334.5/34



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 539.253+/-1231.898 χ^2/NDF:22.0/17

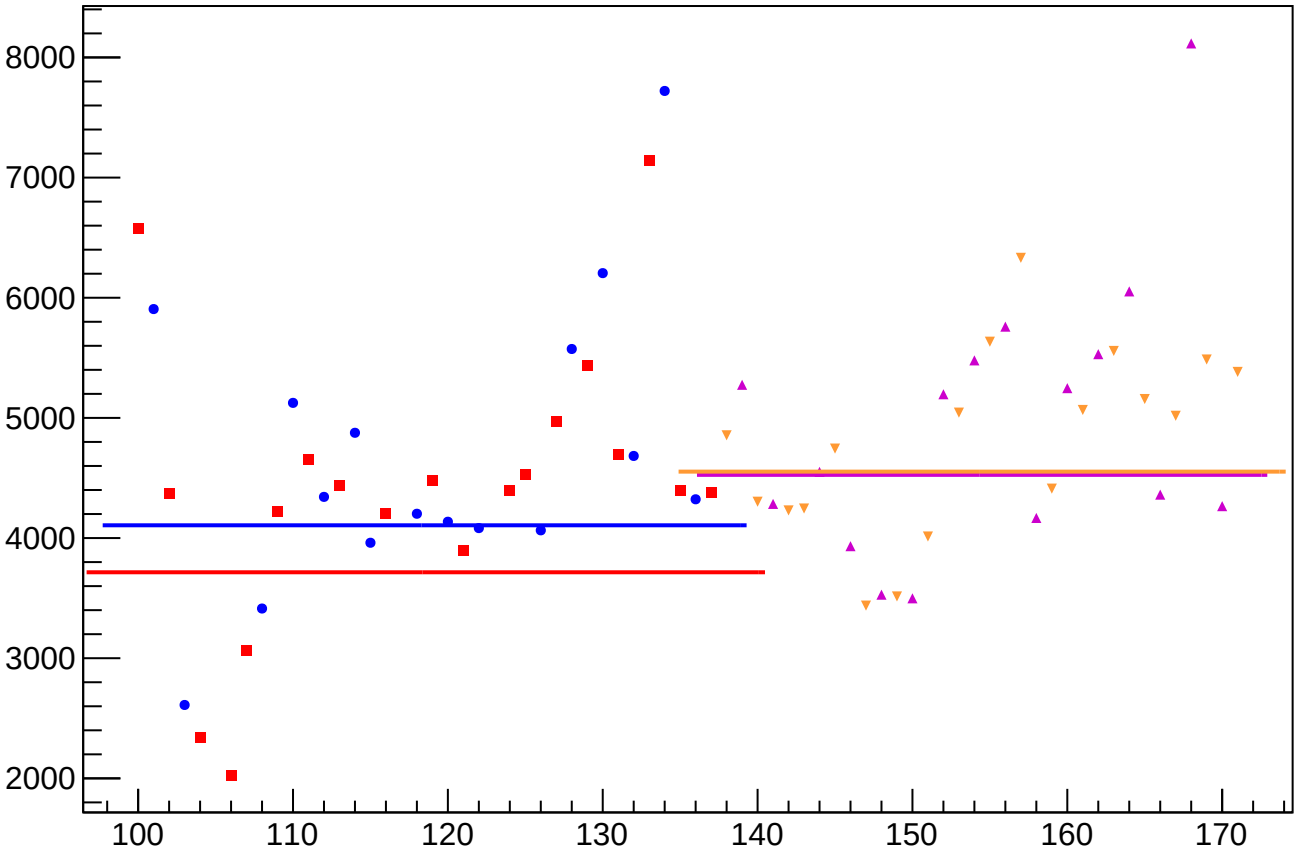
Right Out: 387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: -911.632+/-1274.401 χ^2/NDF:10.0/15

\+ sign -149.710+/-972.763 χ^2/NDF: 37.1/33

All: -249.426+/-682.450 χ^2/NDF: 64.6/68

\- sign -346.073+/-957.673 χ^2/NDF: 27.5/34



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4552.893+/-0.871 χ^2/NDF:766176.8/17

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

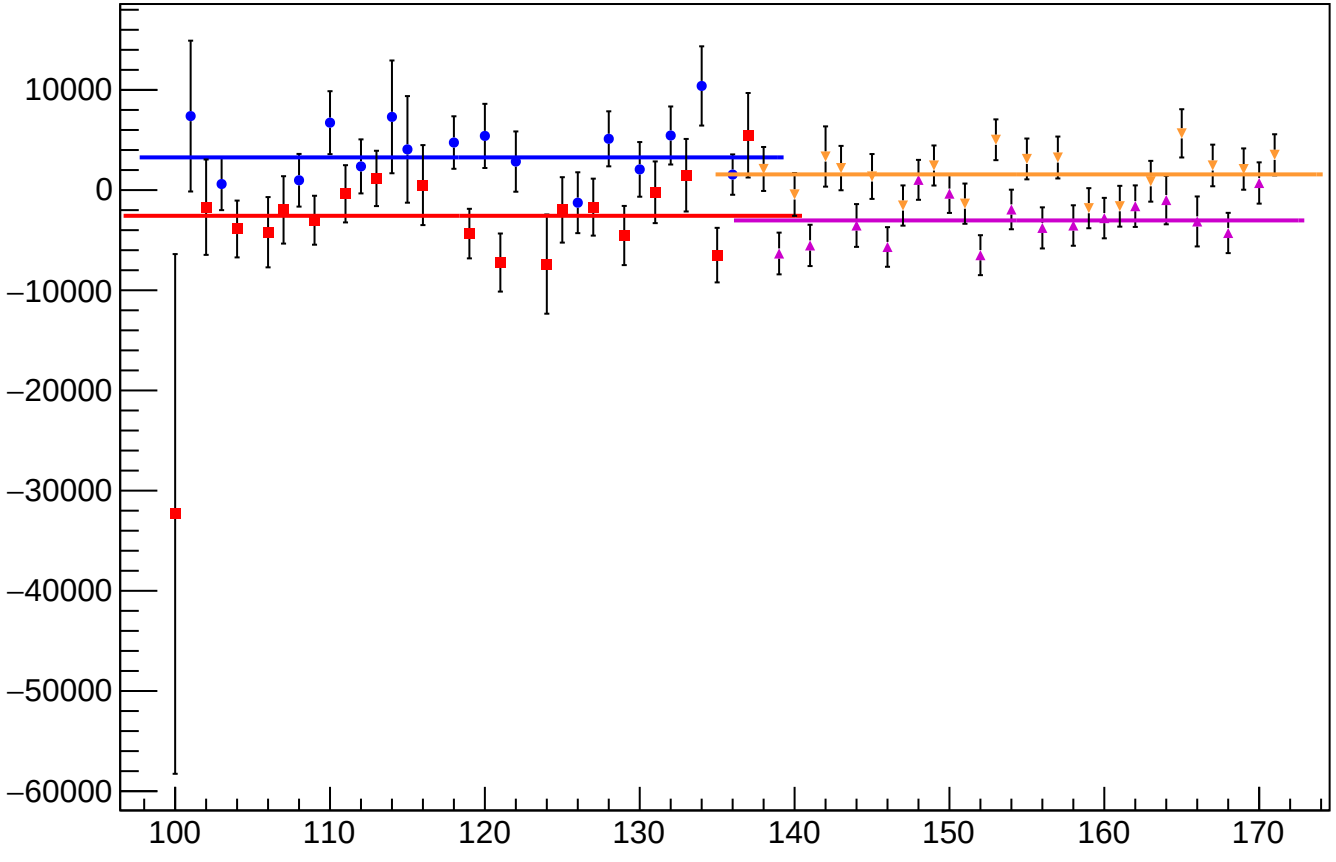
Left In: 4525.995+/-0.901 χ^2/NDF:1042776.1/15

+ sign 4384.744+/-0.688 χ^2/NDF: 1820788.5/33

All: 4277.249+/-0.483 χ^2/NDF: 4599146.4/68

- sign 4173.062+/-0.677 χ^2/NDF: 2730264.0/34

dit_asym_atr_avg_mean vs Slug



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1567.415+/-499.603 χ^2/NDF:19.6/17

Right Out: -2566.683+/-734.876 χ^2/NDF: 17.0/18

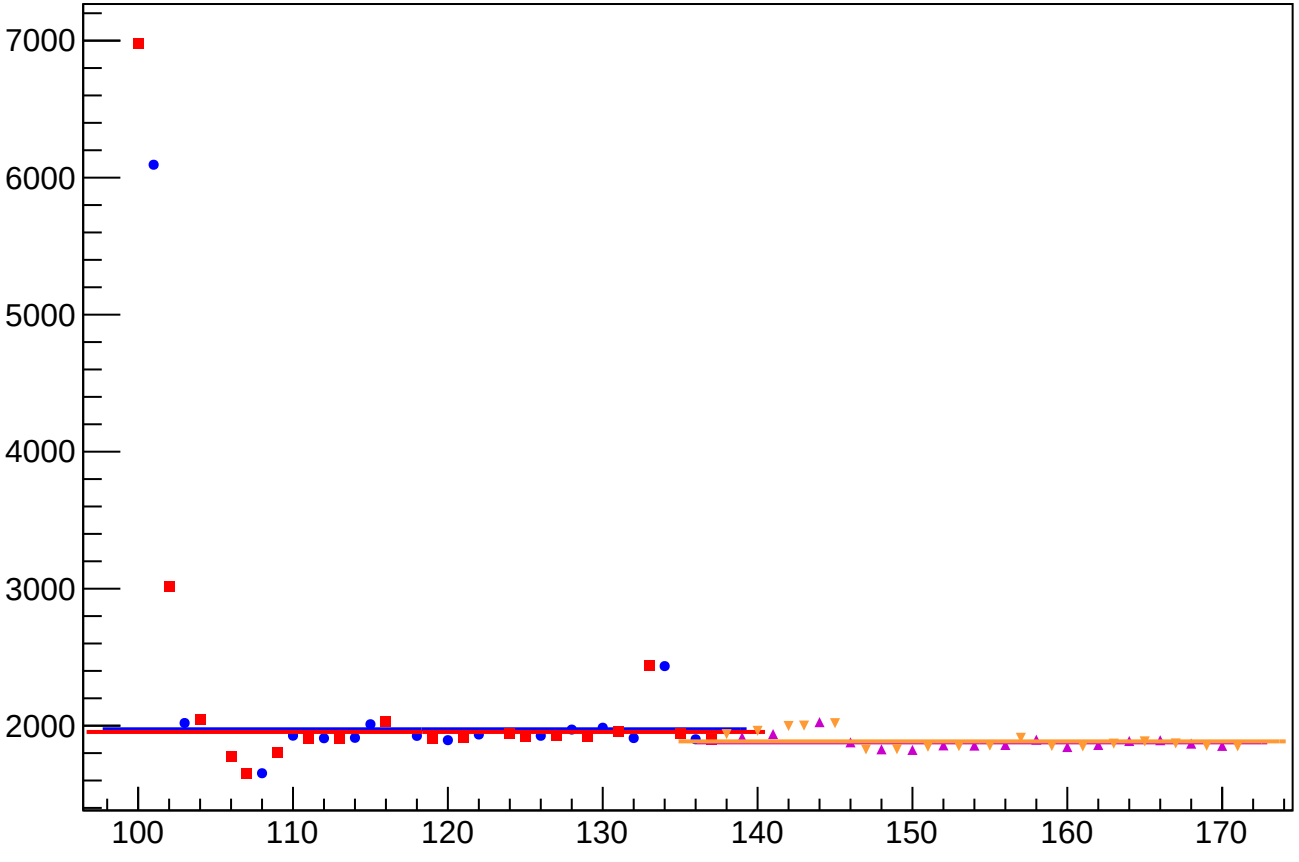
Left In: -3027.881+/-516.766 χ^2/NDF:20.3/15

+ sign 2088.231+/-415.943 χ^2/NDF: 35.3/33

All: -353.456+/-296.481 χ^2/NDF: 143.0/68

- sign -2875.281+/-422.714 χ^2/NDF: 37.6/34

dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1885.600+/-0.353 χ^2/NDF:27057.0/17

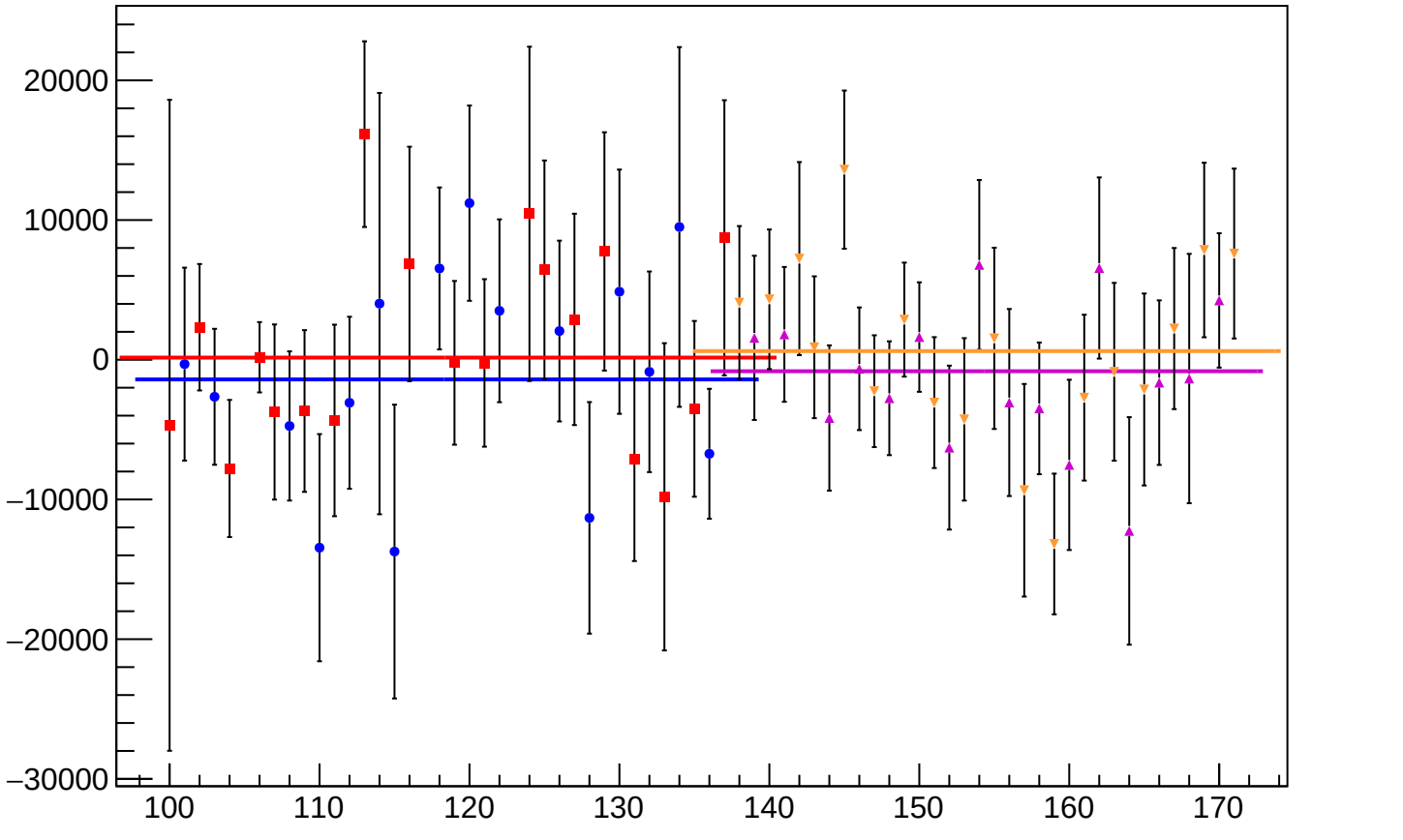
Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1878.392+/-0.365 χ^2/NDF:16918.1/15

+ sign 1912.649+/-0.294 χ^2/NDF: 711286.6/33

All: 1908.172+/-0.210 χ^2/NDF: 989196.9/68

- sign 1903.551+/-0.299 χ^2/NDF: 277439.4/34



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 621.505+/-1291.602 χ^2/NDF:21.8/17

Right Out: 155.271+/-1363.642 χ^2/NDF: 15.8/18

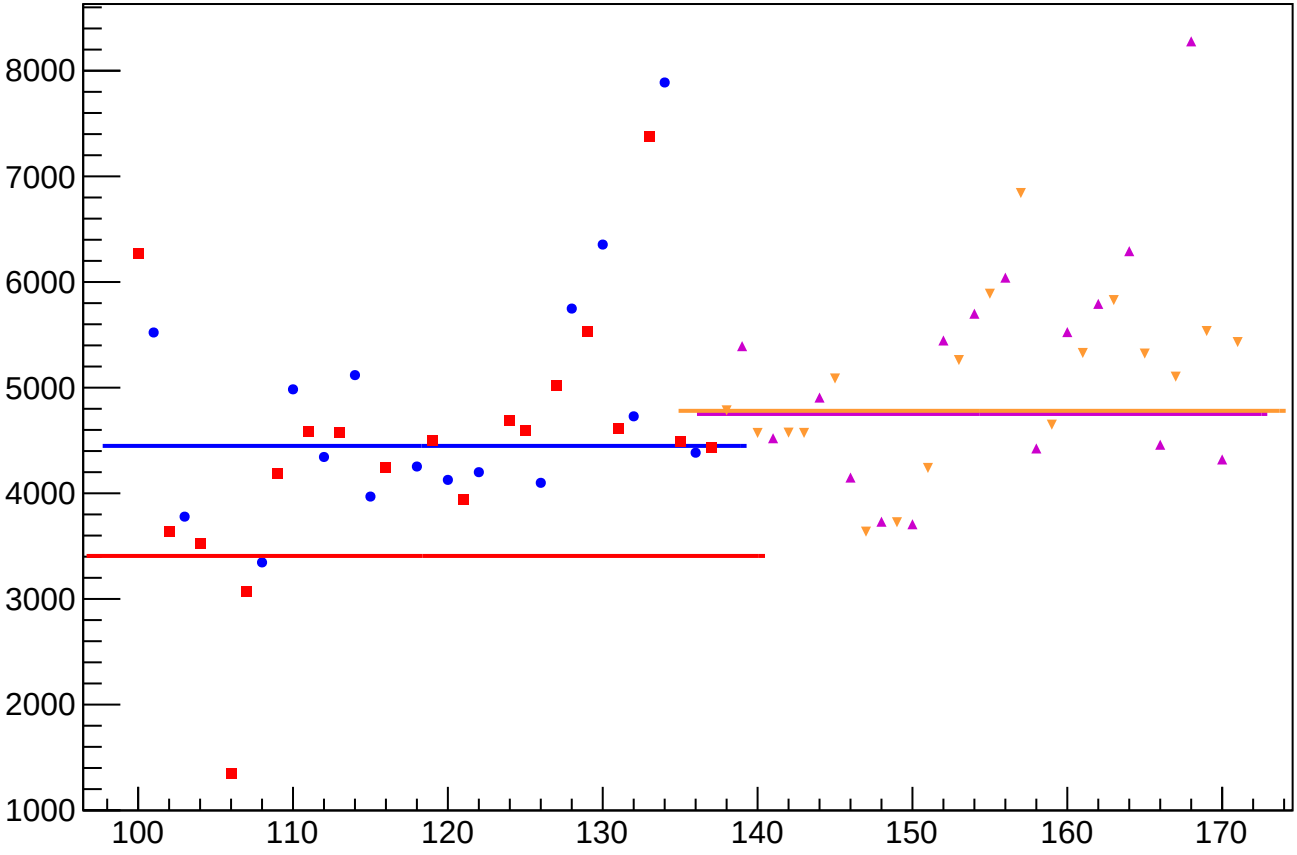
Left In: -820.339+/-1336.257 χ^2/NDF:10.0/15

+ sign -126.603+/-1026.212 χ^2/NDF: 36.9/33

All: -242.329+/-698.877 χ^2/NDF: 63.0/68

- sign -342.429+/-954.411 χ^2/NDF: 26.1/34

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4780.693+/-0.913 χ^2/NDF:700573.9/17

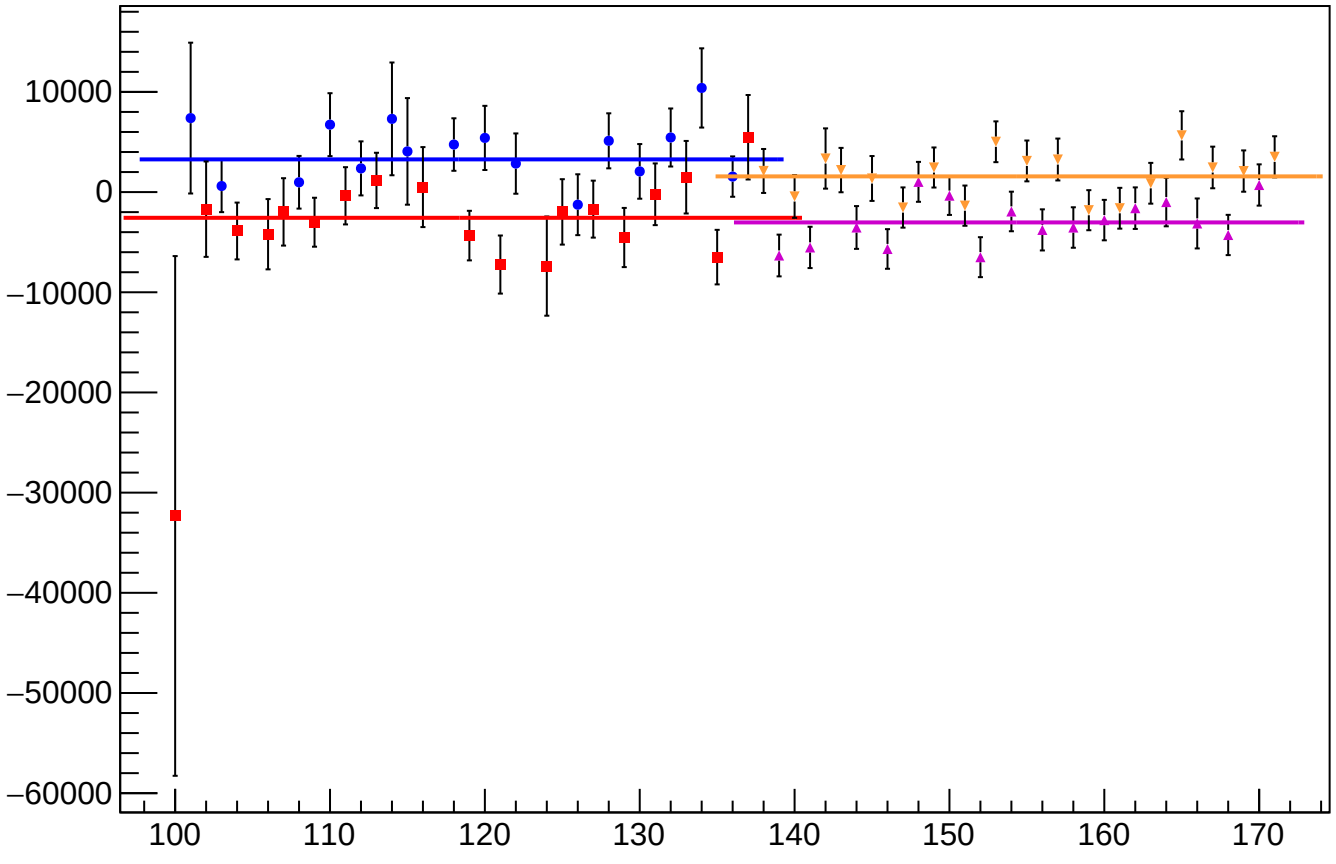
Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4751.021+/-0.945 χ^2/NDF:984855.8/15

+ sign 4658.282+/-0.726 χ^2/NDF: 1243907.5/33

All: 4355.017+/-0.494 χ^2/NDF: 5871509.0/68

- sign 4092.705+/-0.675 χ^2/NDF: 4301862.3/34



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1567.409+/-499.603 χ^2/NDF:19.6/17

Right Out: -2566.689+/-734.875 χ^2/NDF: 17.0/18

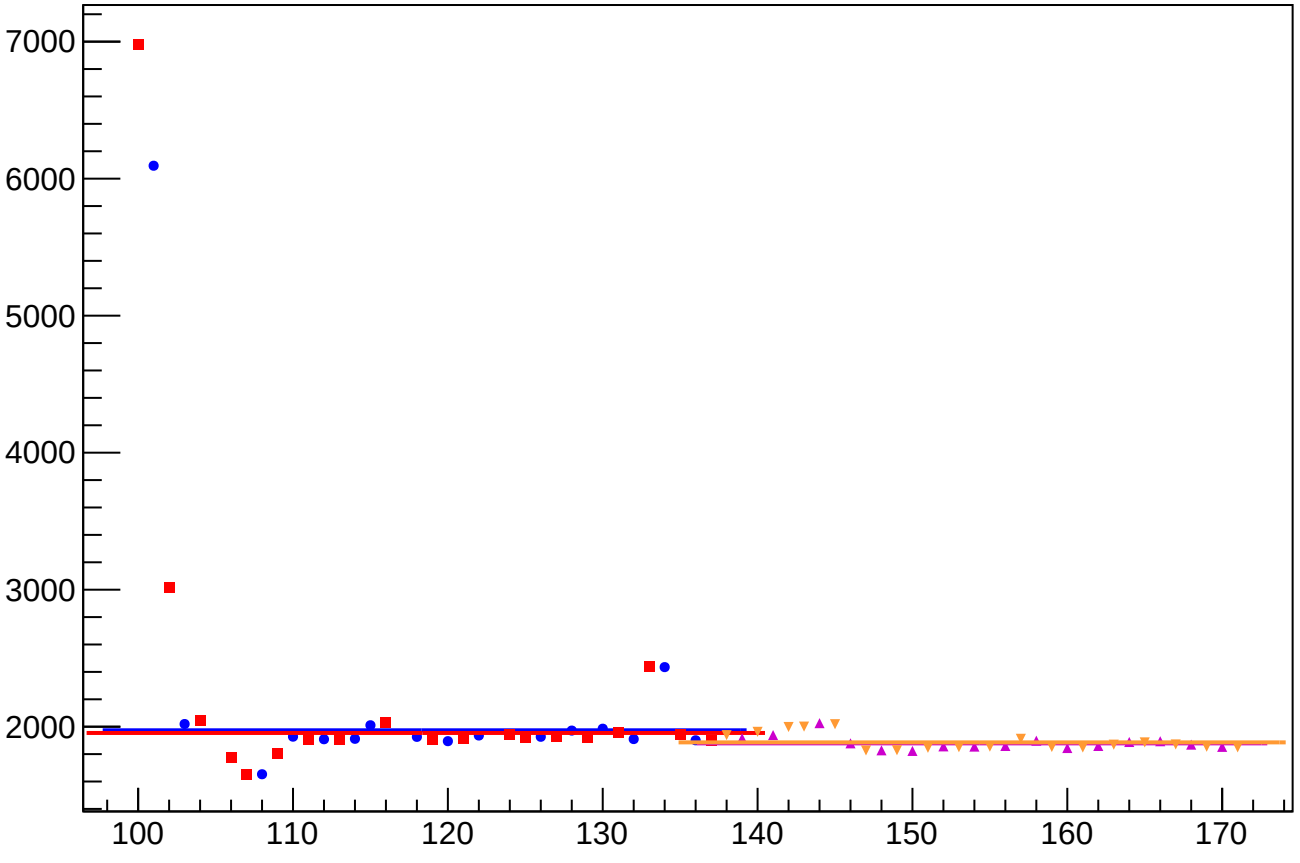
Left In: -3027.884+/-516.766 χ^2/NDF:20.3/15

+ sign 2088.228+/-415.944 χ^2/NDF: 35.3/33

All: -353.459+/-296.481 χ^2/NDF: 143.0/68

- sign -2875.285+/-422.714 χ^2/NDF: 37.6/34

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1885.600+/-0.353 χ^2/NDF:27057.1/17

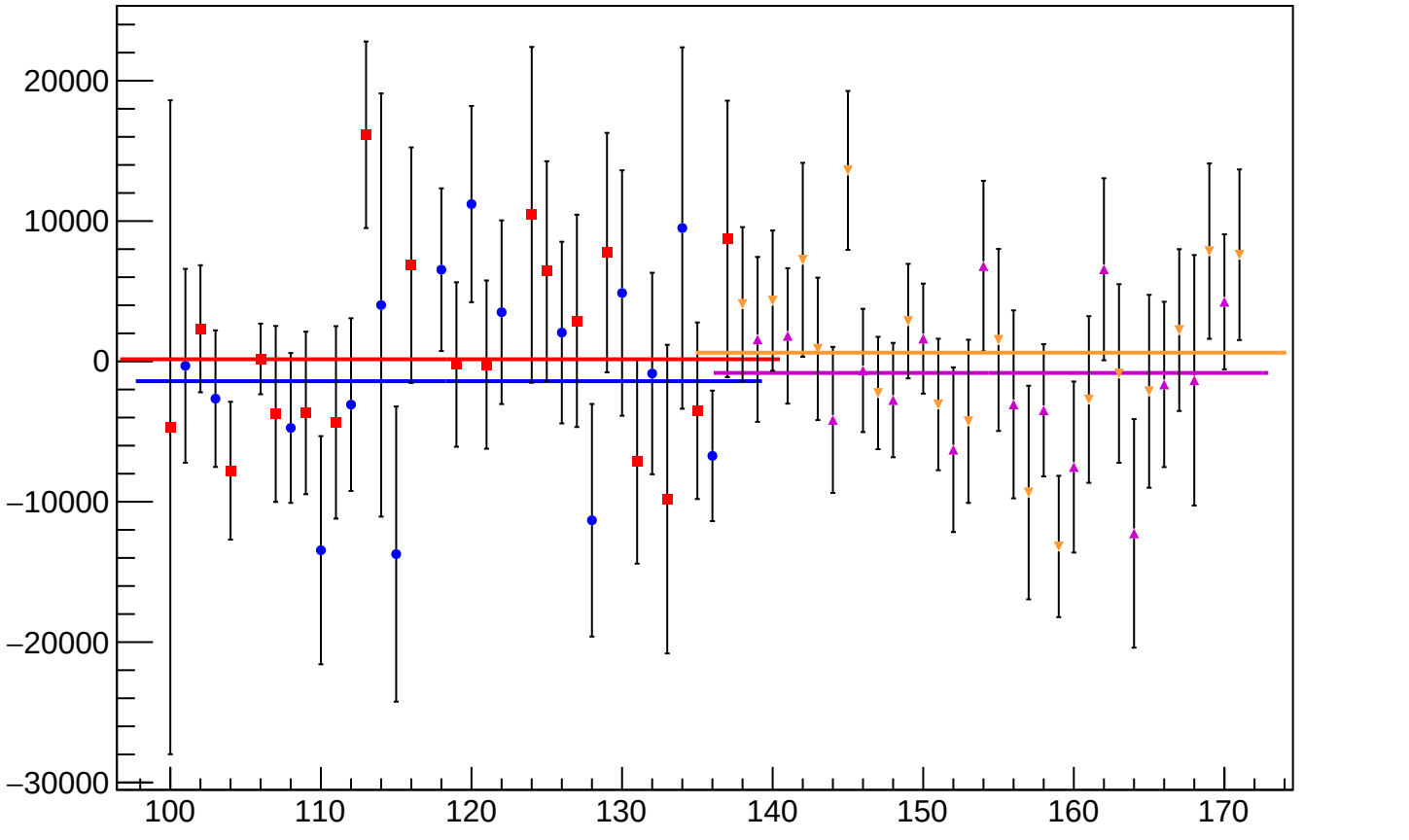
Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1878.393+/-0.365 χ^2/NDF:16918.1/15

+ sign 1912.650+/-0.294 χ^2/NDF: 711286.2/33

All: 1908.172+/-0.210 χ^2/NDF: 989195.5/68

- sign 1903.551+/-0.299 χ^2/NDF: 277438.5/34



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 621.503+/-1291.604 χ^2/NDF:21.8/17

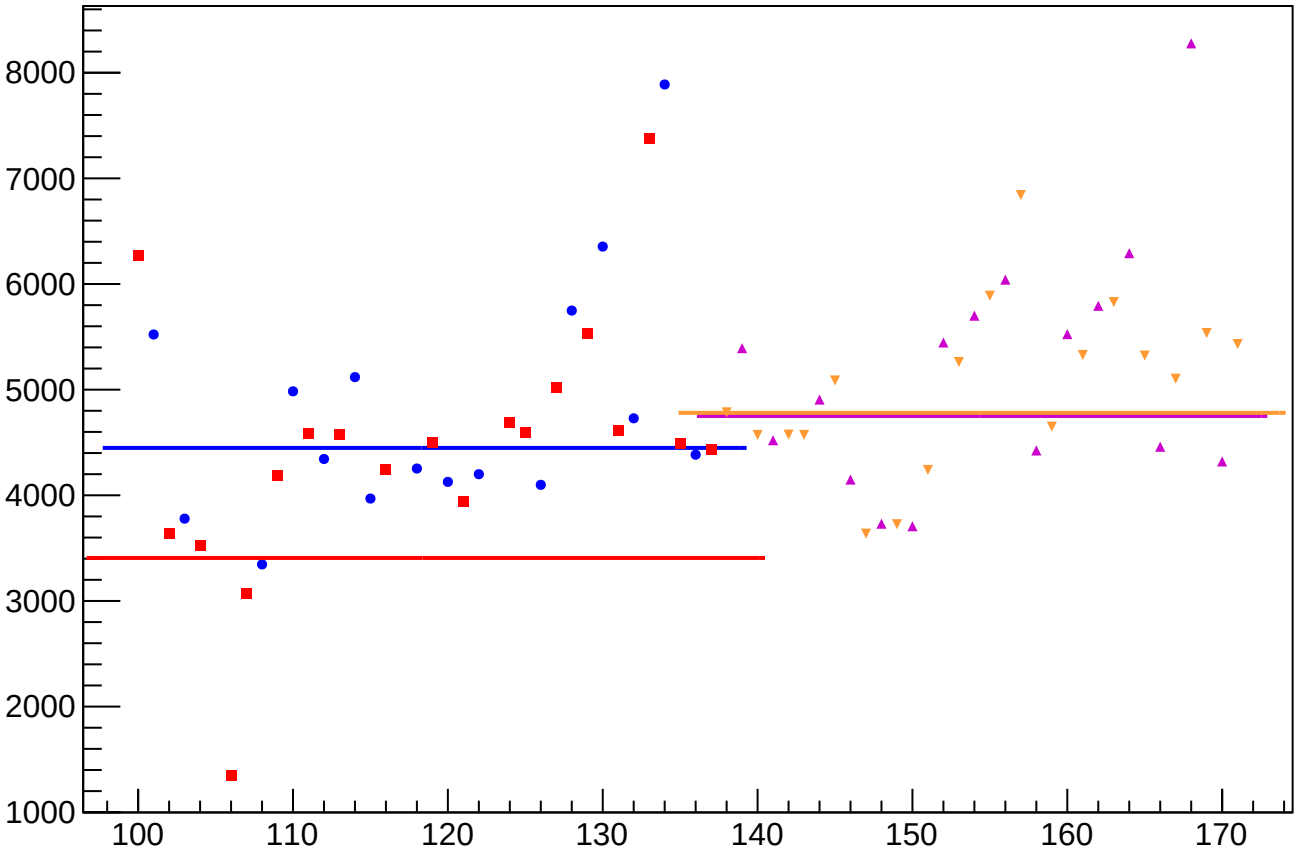
Right Out: 155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: -820.337+/-1336.258 χ^2/NDF:10.0/15

+ sign -126.600+/-1026.212 χ^2/NDF: 36.9/33

All: -242.326+/-698.877 χ^2/NDF: 63.0/68

- sign -342.425+/-954.411 χ^2/NDF: 26.1/34



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4780.701+/-0.913 χ^2/NDF:700573.7/17

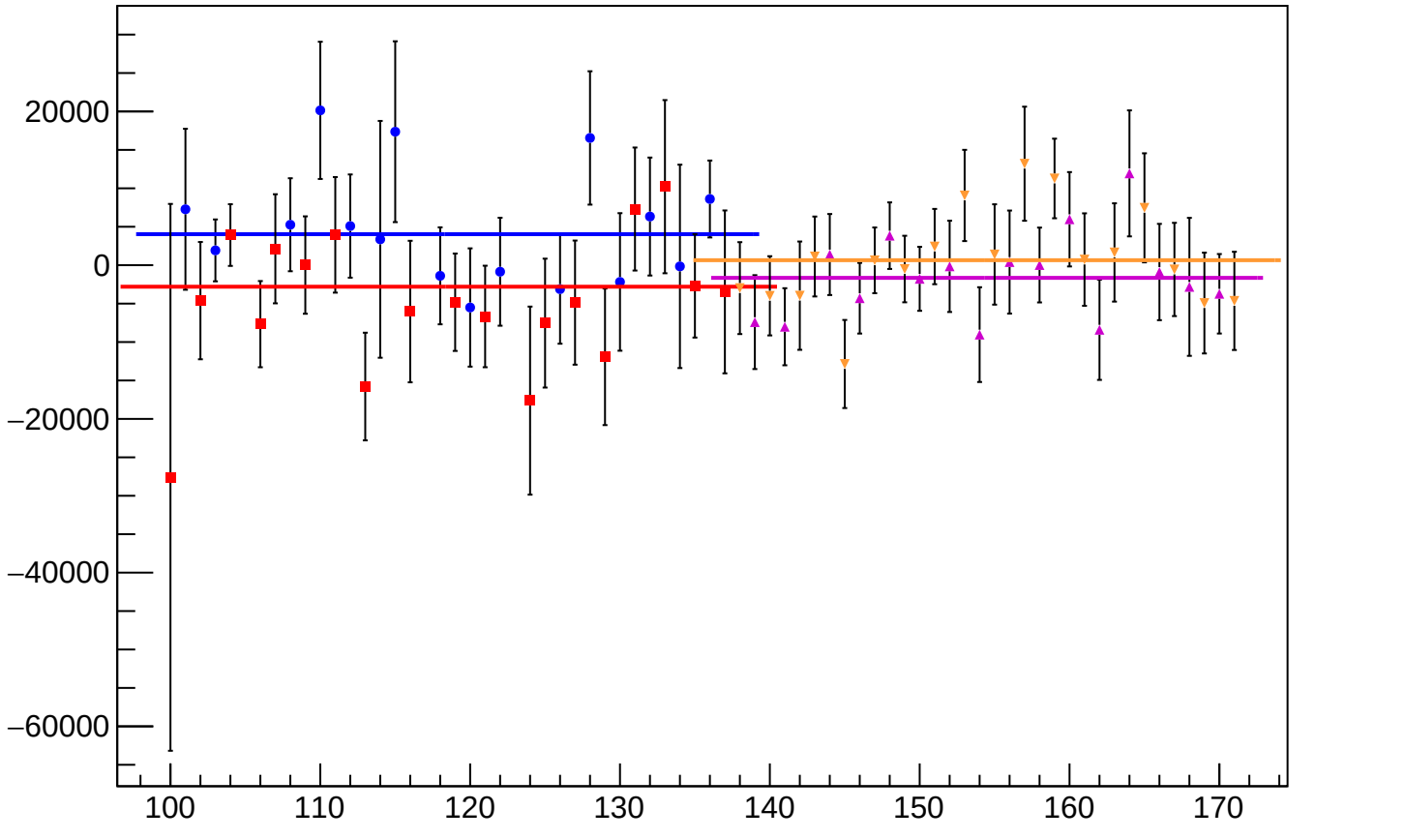
Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4751.028+/-0.945 χ^2/NDF:984856.0/15

+ sign 4658.283+/-0.726 χ^2/NDF: 1243908.7/33

All: 4355.016+/-0.494 χ^2/NDF: 5871542.4/68

- sign 4092.702+/-0.675 χ^2/NDF: 4301889.4/34



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 648.587+/-1339.577 χ^2/NDF:18.9/17

Right Out: -2800.547+/-1671.877 χ^2/NDF: 15.4/18

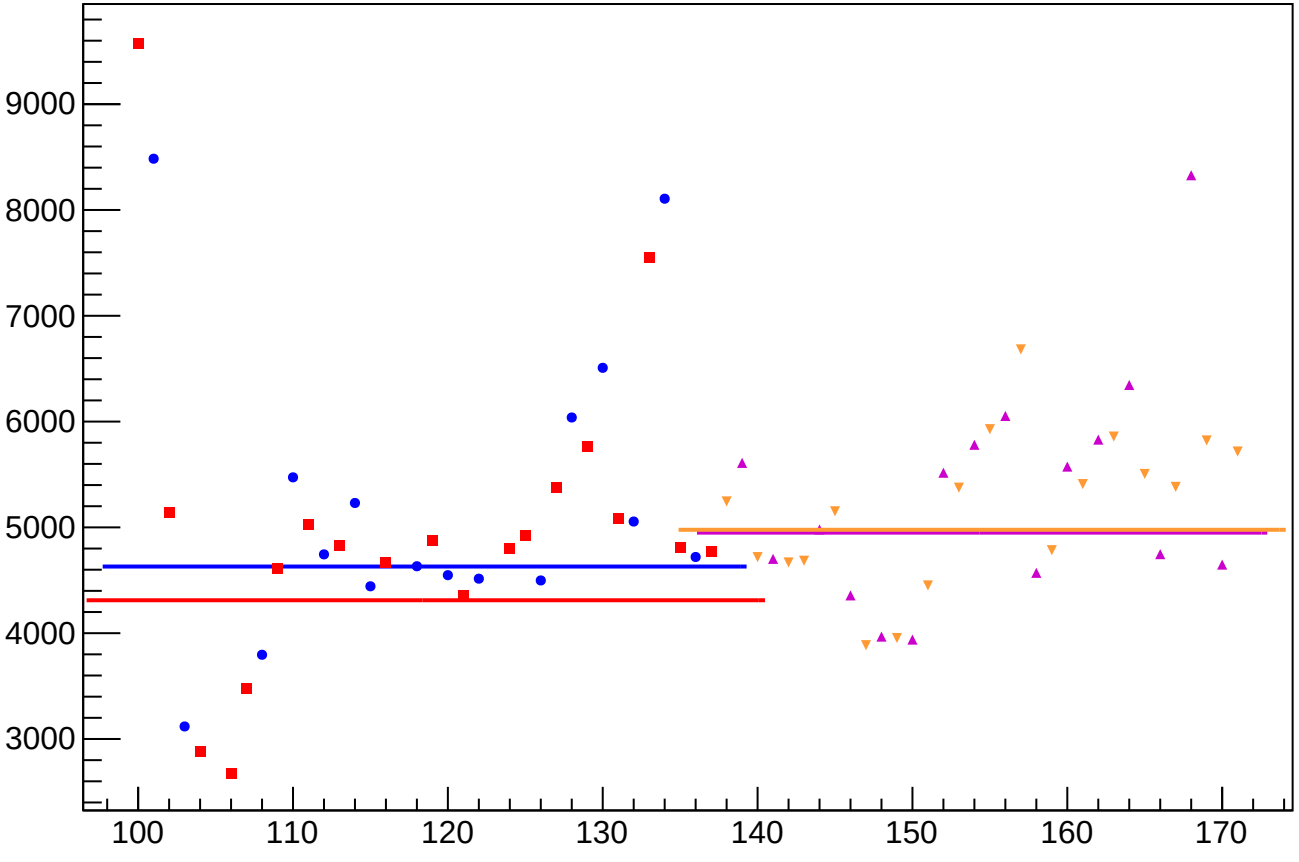
Left In: -1649.874+/-1386.416 χ^2/NDF:12.0/15

+ sign 1871.106+/-1070.780 χ^2/NDF: 33.5/33

All: -130.476+/-755.891 χ^2/NDF: 68.2/68

- sign -2118.735+/-1067.210 χ^2/NDF: 27.8/34

asym_atr_avg_rms vs Slug



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4977.287+/-0.947 χ^2/NDF:574077.1/17

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

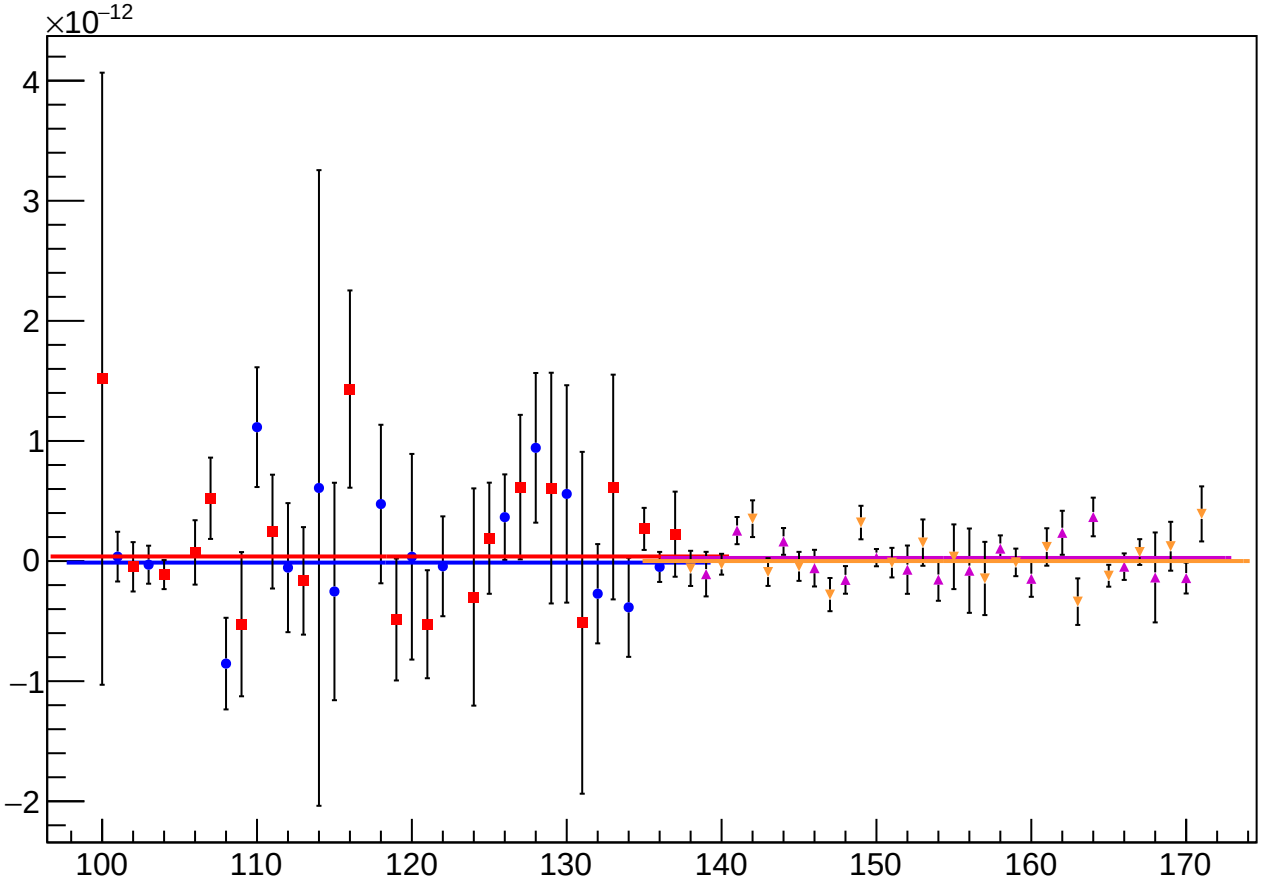
Left In: 4950.421+/-0.980 χ^2/NDF:810481.9/15

+ sign 4851.886+/-0.757 χ^2/NDF: 1522866.2/33

All: 4769.016+/-0.534 χ^2/NDF: 3436891.9/68

- sign 4687.281+/-0.752 χ^2/NDF: 1890231.6/34

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:25.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

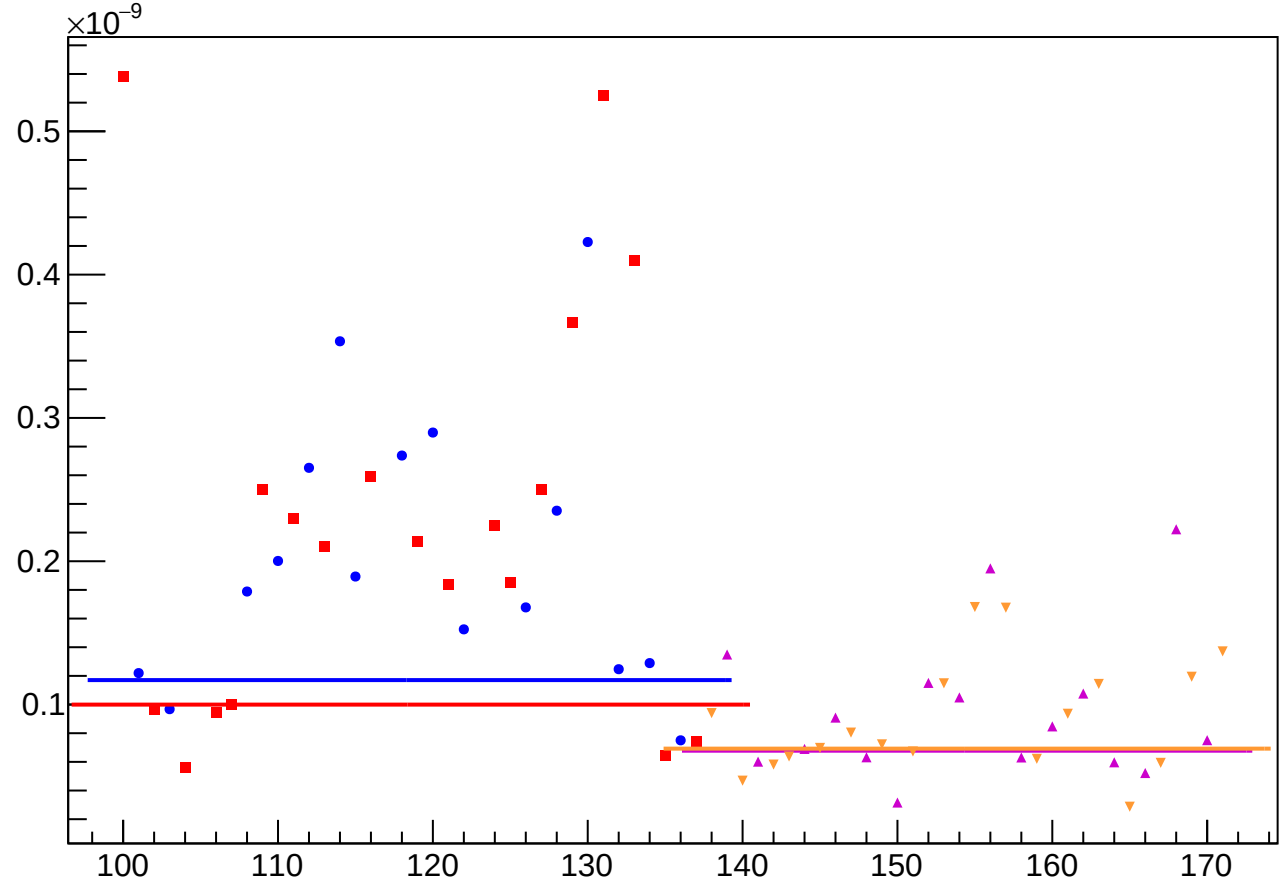
Left In: 0.000+/-0.000 χ^2/NDF:20.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/33

All: 0.000+/-0.000 χ^2/NDF: 77.5/68

- sign 0.000+/-0.000 χ^2/NDF: 35.3/34

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:1683966.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

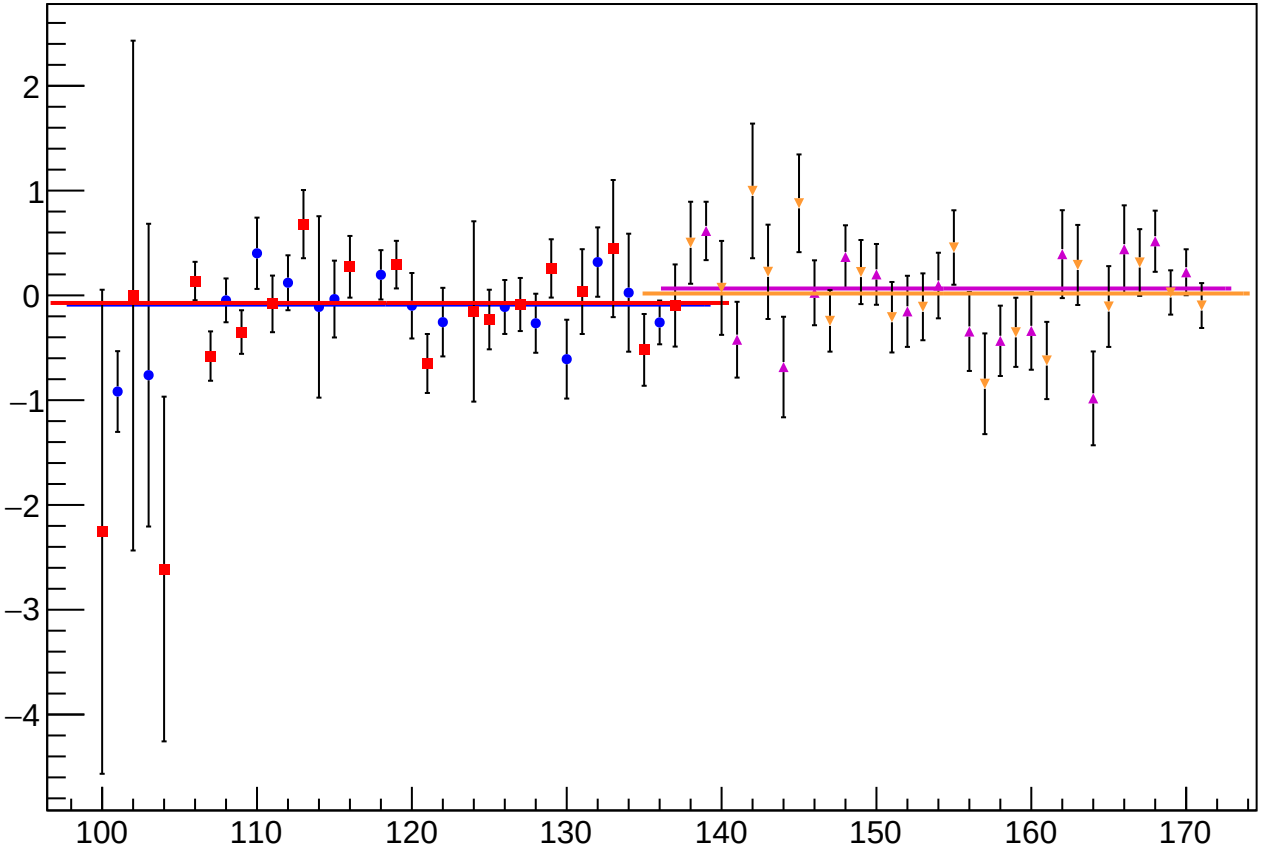
Left In: 0.000+/-0.000 χ^2/NDF:1804325.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 3466451.2/33

All: 0.000+/-0.000 χ^2/NDF: 7450252.3/68

- sign 0.000+/-0.000 χ^2/NDF: 3972542.8/34

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

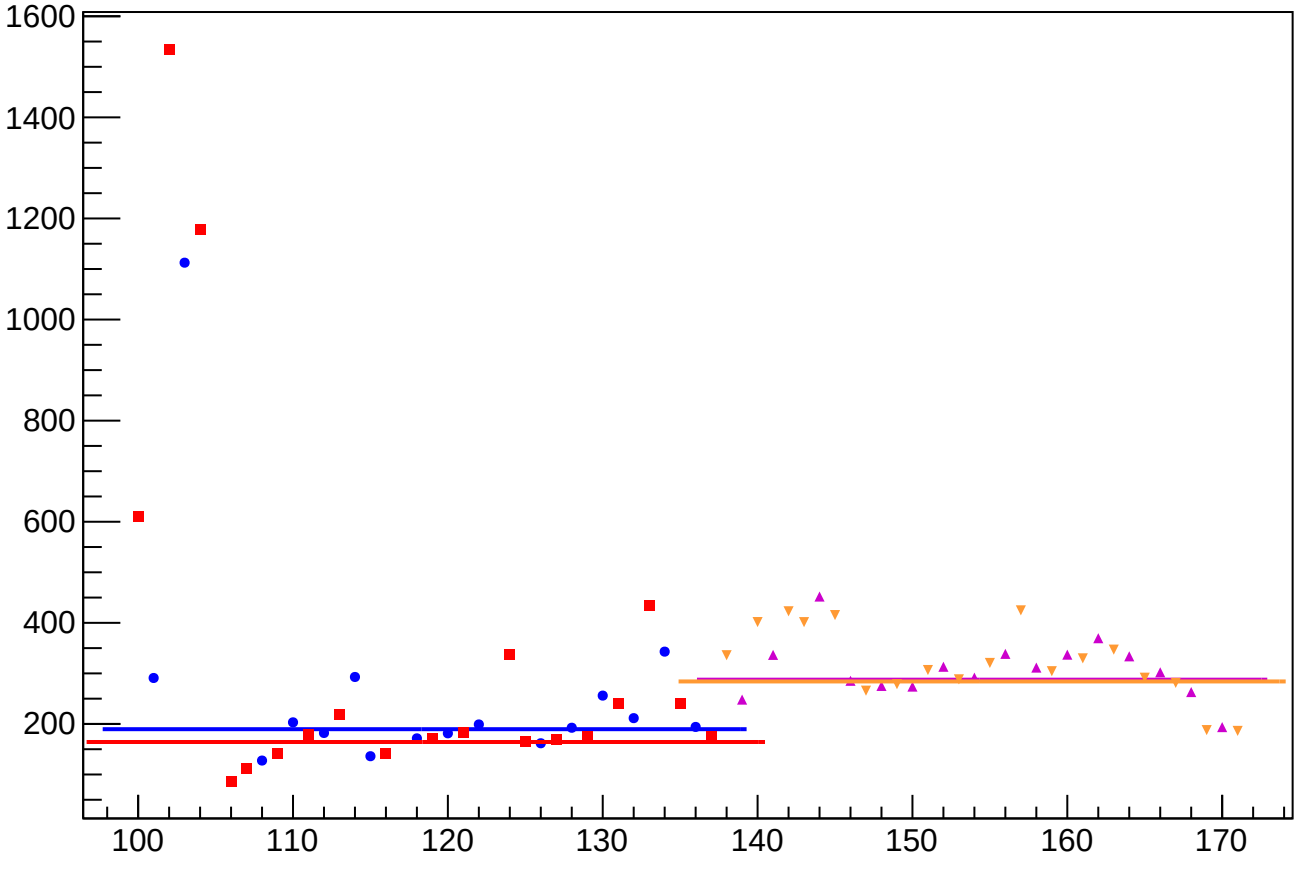
Left In: 0.066+/-0.082 χ^2/NDF:24.2/15

+ sign -0.036+/-0.055 χ^2/NDF: 34.9/33

All: -0.025+/-0.038 χ^2/NDF: 89.5/68

- sign -0.014+/-0.053 χ^2/NDF: 54.5/34

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 284.067+/-0.056 χ^2/NDF:1695800.9/17

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

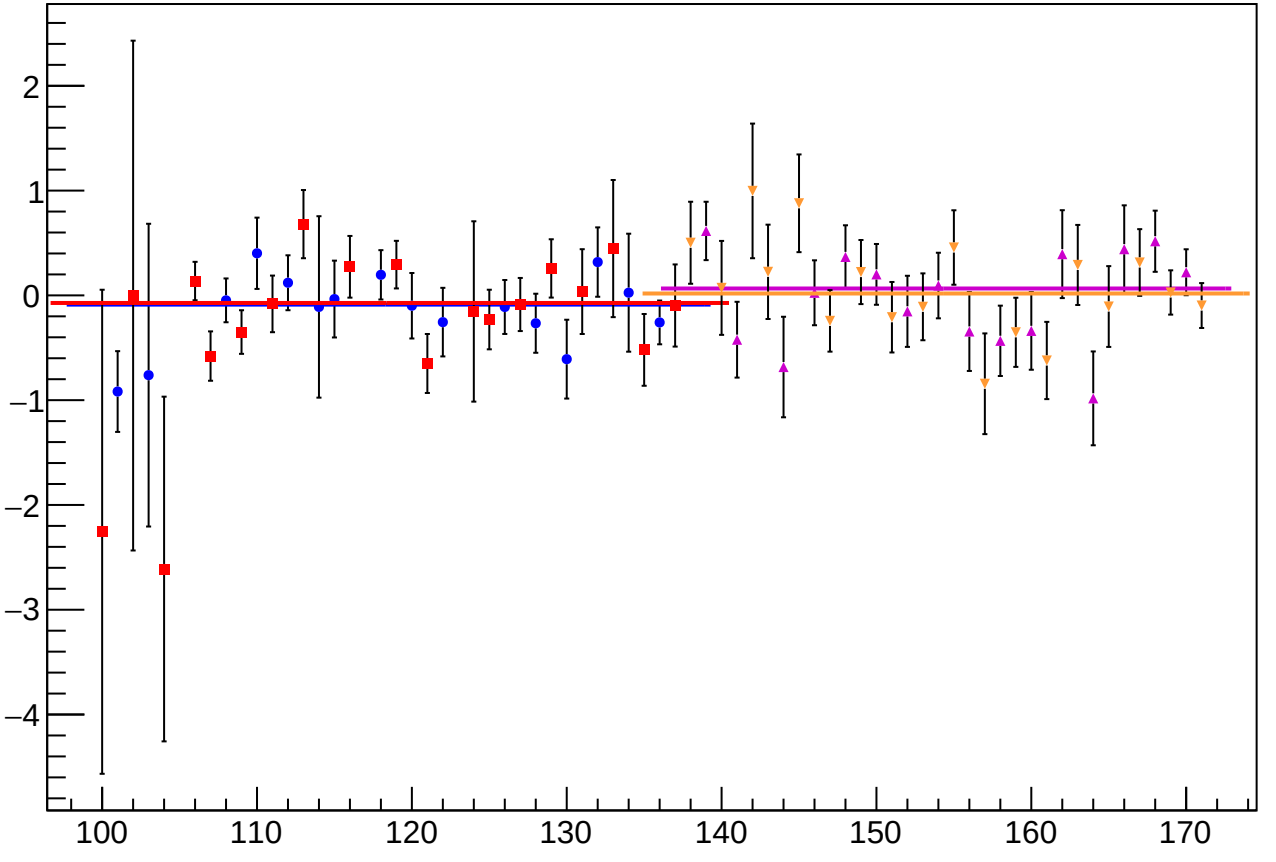
Left In: 287.574+/-0.058 χ^2/NDF:894687.3/15

+ sign 235.585+/-0.039 χ^2/NDF: 4634140.3/33

All: 225.653+/-0.027 χ^2/NDF: 10917756.1/68

- sign 216.357+/-0.038 χ^2/NDF: 6157368.0/34

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: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

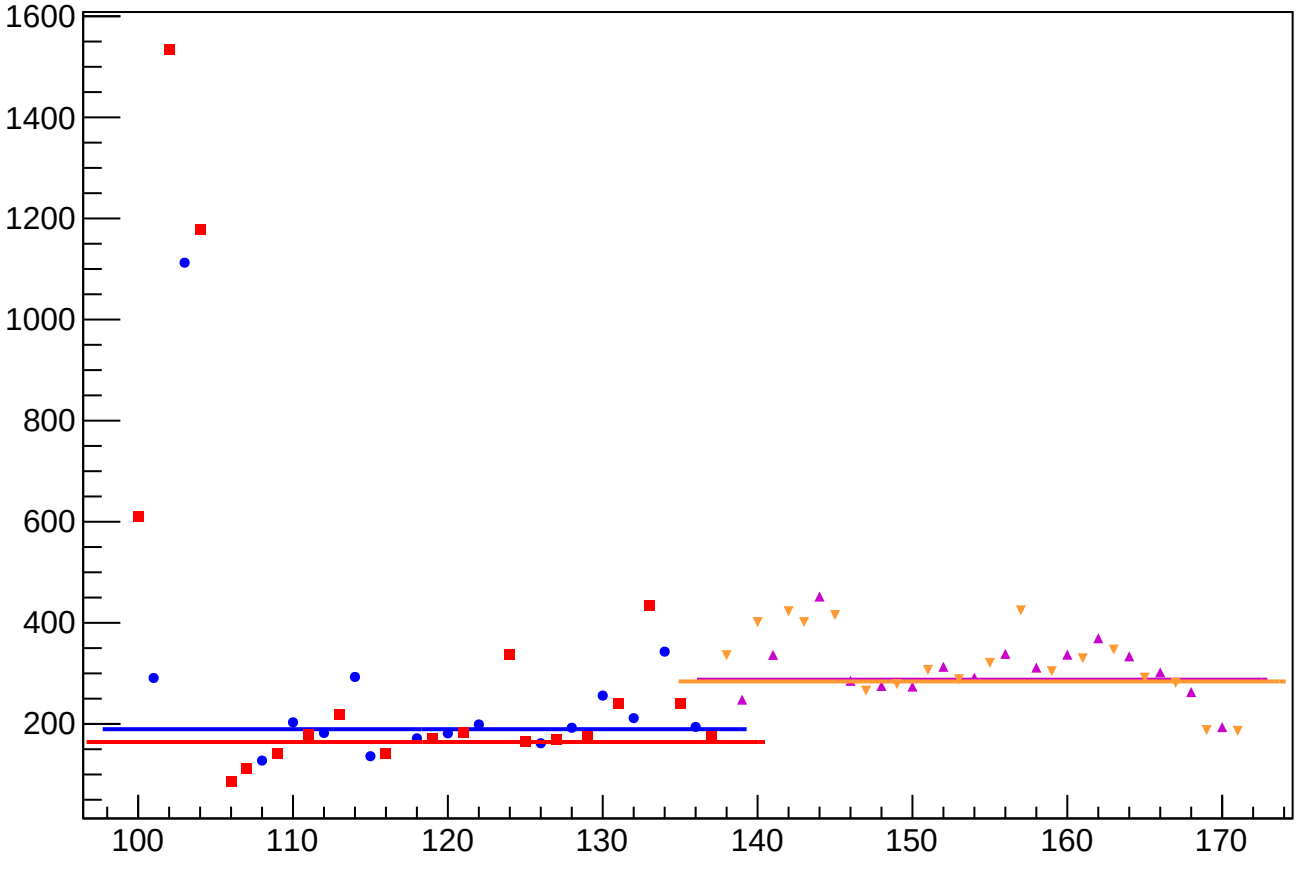
Left In: 0.066+/-0.082 χ^2/NDF:24.2/15

+ sign -0.036+/-0.055 χ^2/NDF: 34.9/33

All: -0.025+/-0.038 χ^2/NDF: 89.5/68

- sign -0.014+/-0.053 χ^2/NDF: 54.5/34

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: 284.067+/-0.056 χ^2/NDF:1695800.9/17

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

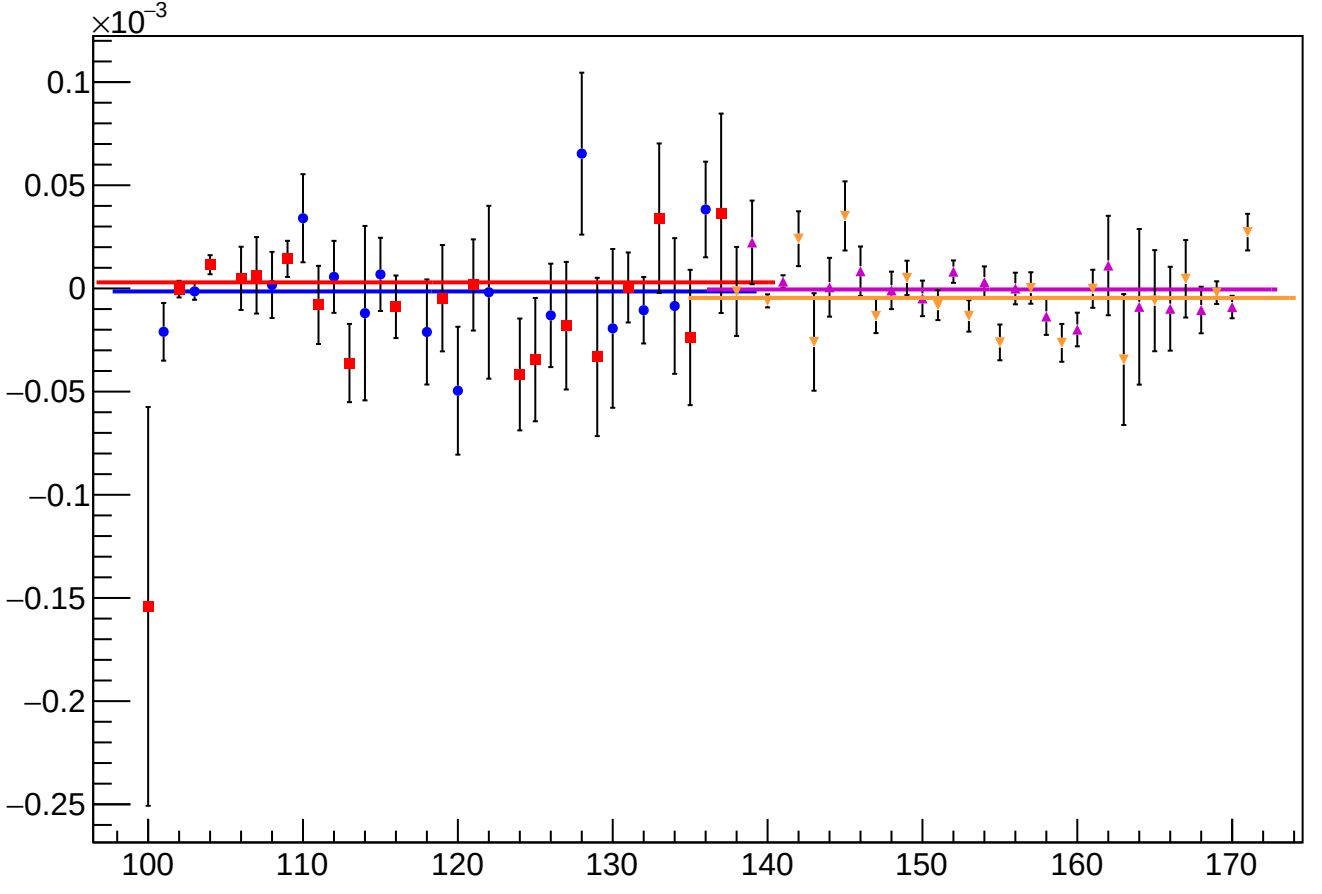
Left In: 287.574+/-0.058 χ^2/NDF:894687.3/15

+ sign 235.585+/-0.039 χ^2/NDF: 4634140.3/33

All: 225.653+/-0.027 χ^2/NDF: 10917756.1/68

- sign 216.357+/-0.038 χ^2/NDF: 6157368.0/34

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

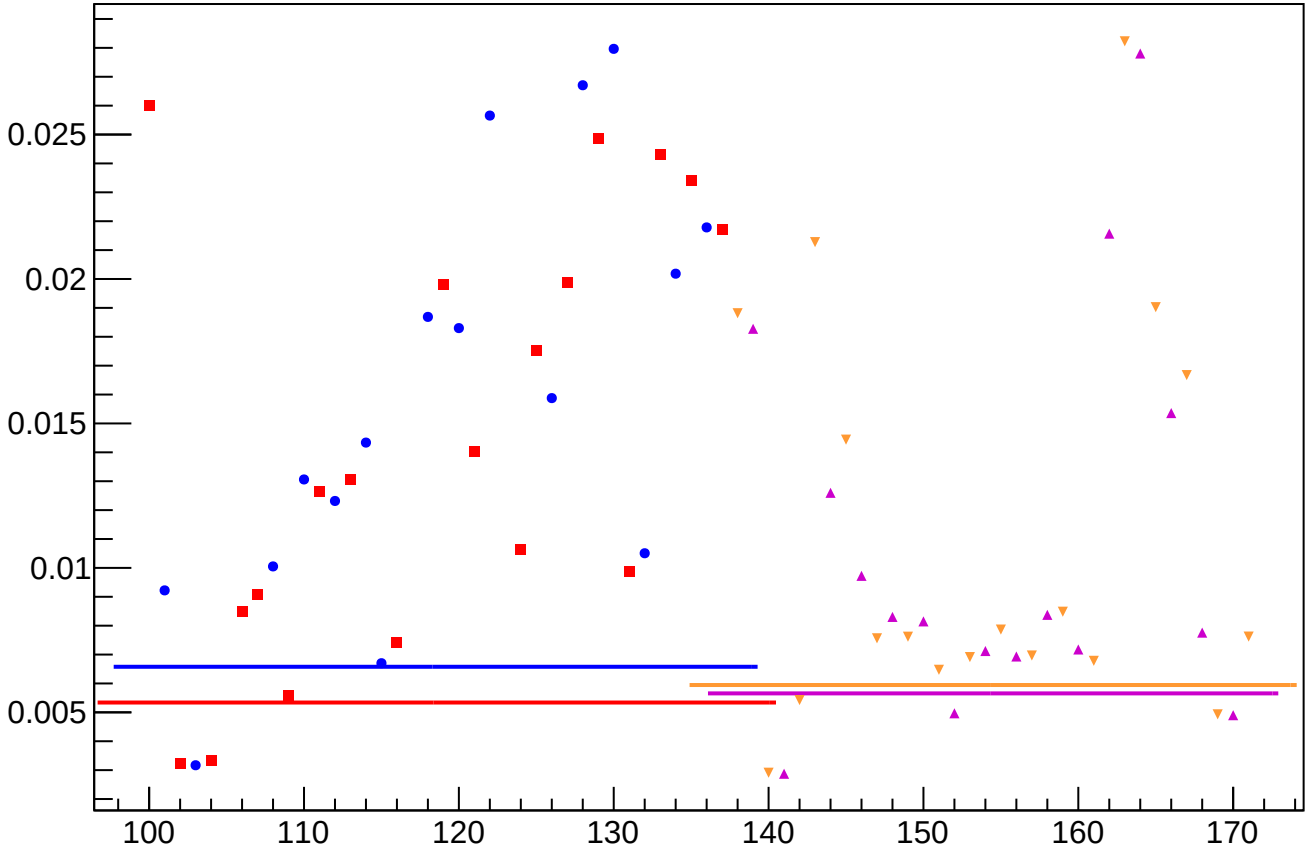
Left In: -0.000+/-0.000 χ^2/NDF:17.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/33

All: -0.000+/-0.000 χ^2/NDF: 102.0/68

- sign 0.000+/-0.000 χ^2/NDF: 40.4/34

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6752431.7/17

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

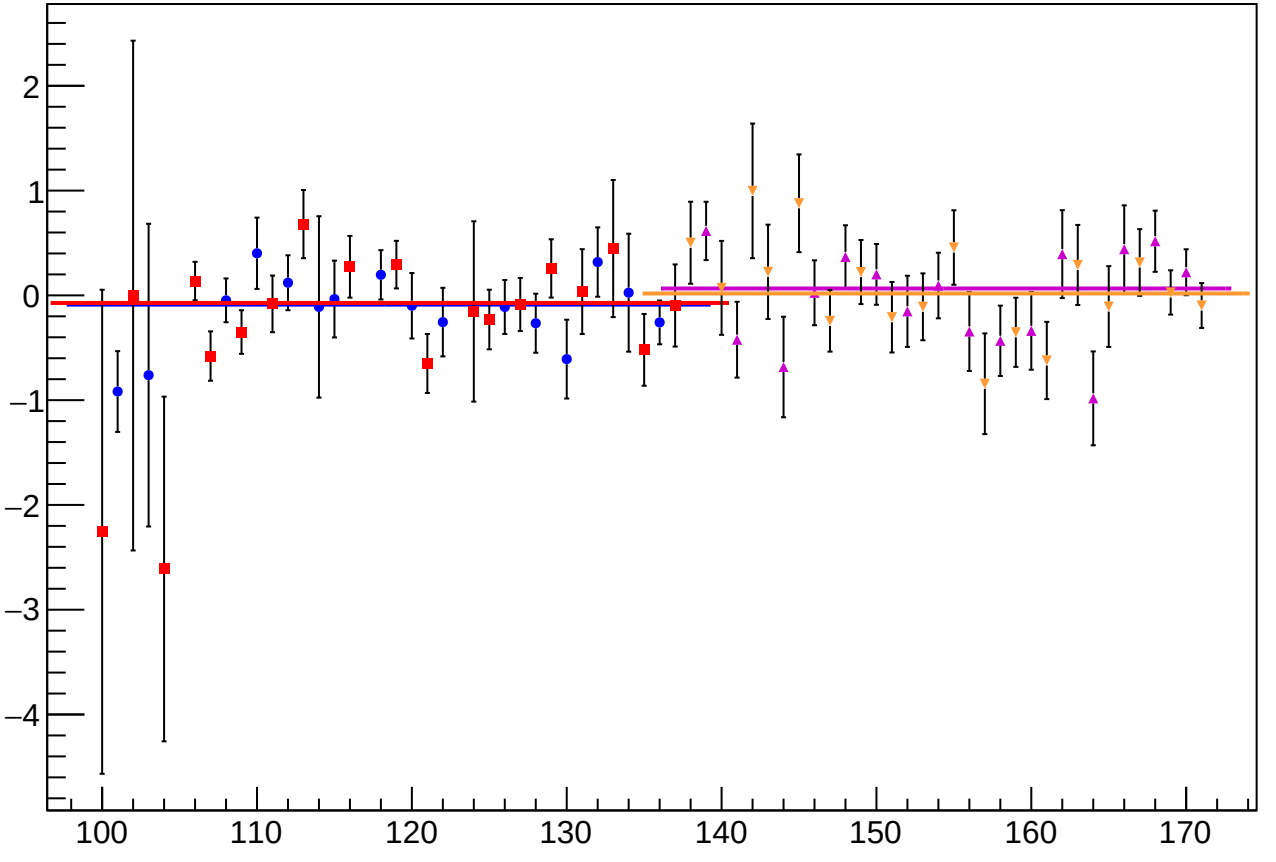
Left In: 0.006+/-0.000 χ^2/NDF:6014291.5/15

+ sign 0.006+/-0.000 χ^2/NDF: 12735378.3/33

All: 0.006+/-0.000 χ^2/NDF: 24579137.8/68

- sign 0.006+/-0.000 χ^2/NDF: 11720131.0/34

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: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

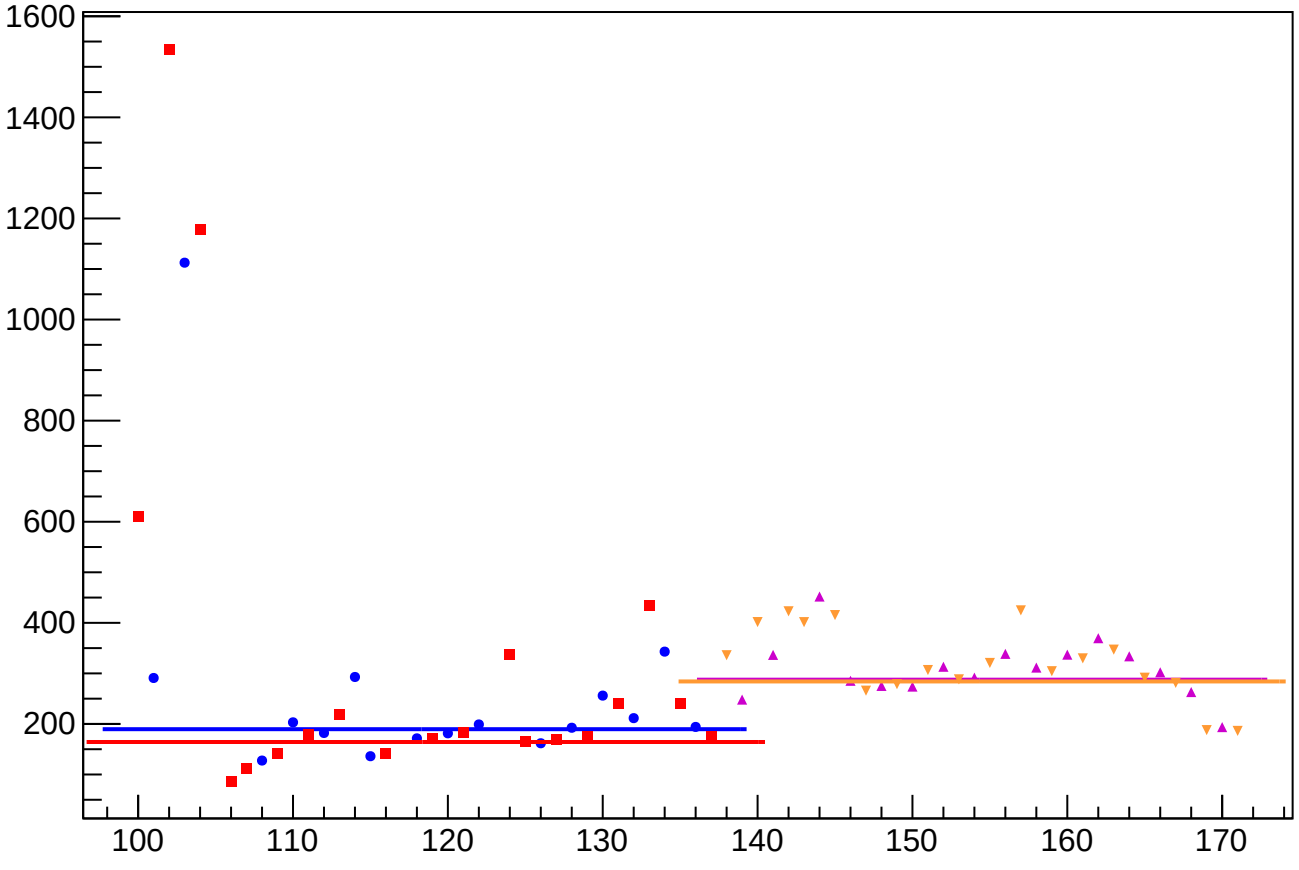
Left In: 0.066+/-0.082 χ^2/NDF:24.2/15

+ sign -0.036+/-0.055 χ^2/NDF: 34.9/33

All: -0.025+/-0.038 χ^2/NDF: 89.5/68

- sign -0.014+/-0.053 χ^2/NDF: 54.5/34

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: 284.069+/-0.056 χ^2/NDF:1695890.1/17

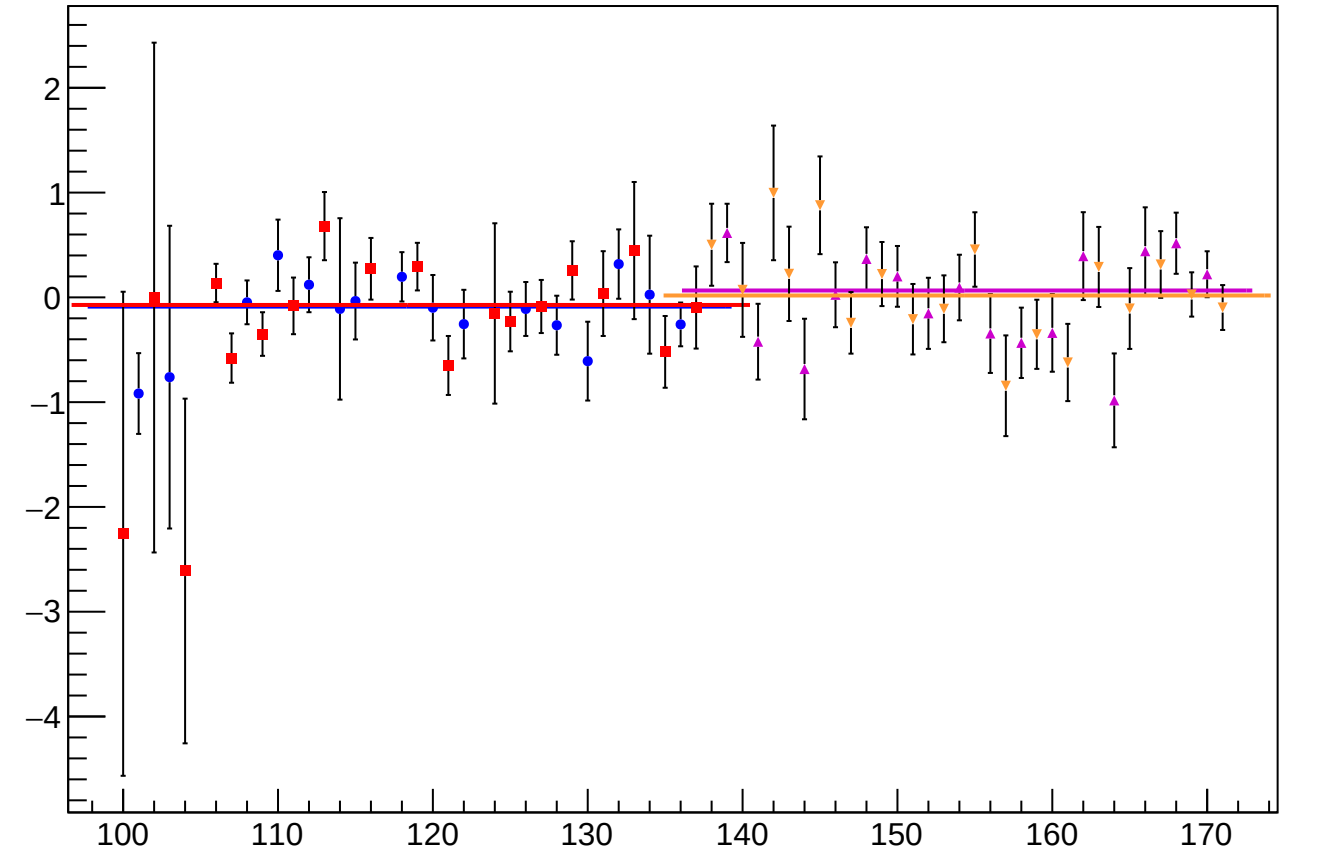
Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 287.577+/-0.058 χ^2/NDF:894720.2/15

+ sign 235.585+/-0.039 χ^2/NDF: 4634305.6/33

All: 225.653+/-0.027 χ^2/NDF: 10918084.7/68

- sign 216.357+/-0.038 χ^2/NDF: 6157529.0/34



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: -0.072+/-0.070 χ^2/NDF: 28.7/18

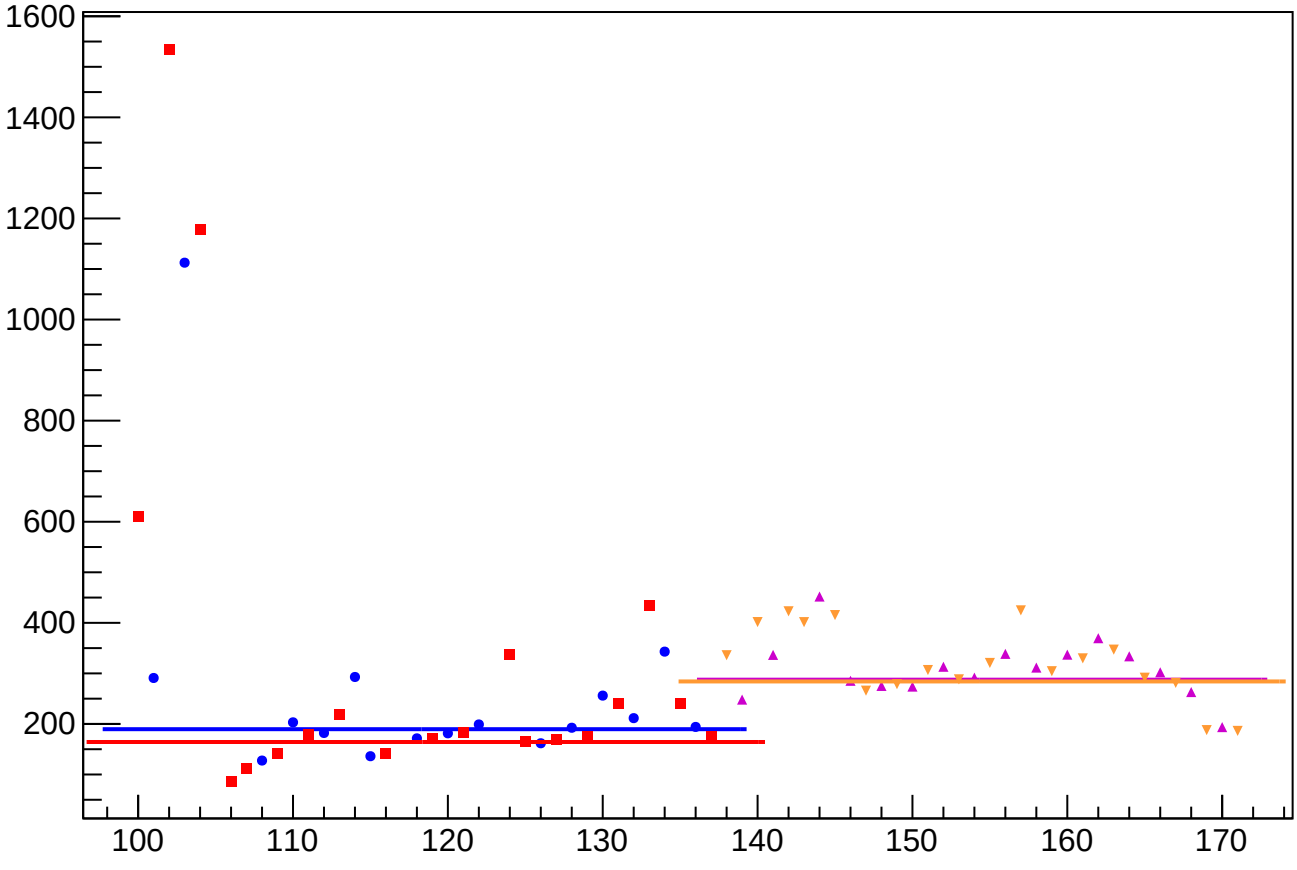
Left In: 0.066+/-0.082 χ^2/NDF:24.2/15

+ sign -0.036+/-0.055 χ^2/NDF: 34.9/33

All: -0.025+/-0.038 χ^2/NDF: 89.5/68

- sign -0.014+/-0.053 χ^2/NDF: 54.5/34

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 284.069+/-0.056 χ^2/NDF:1695890.1/17

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

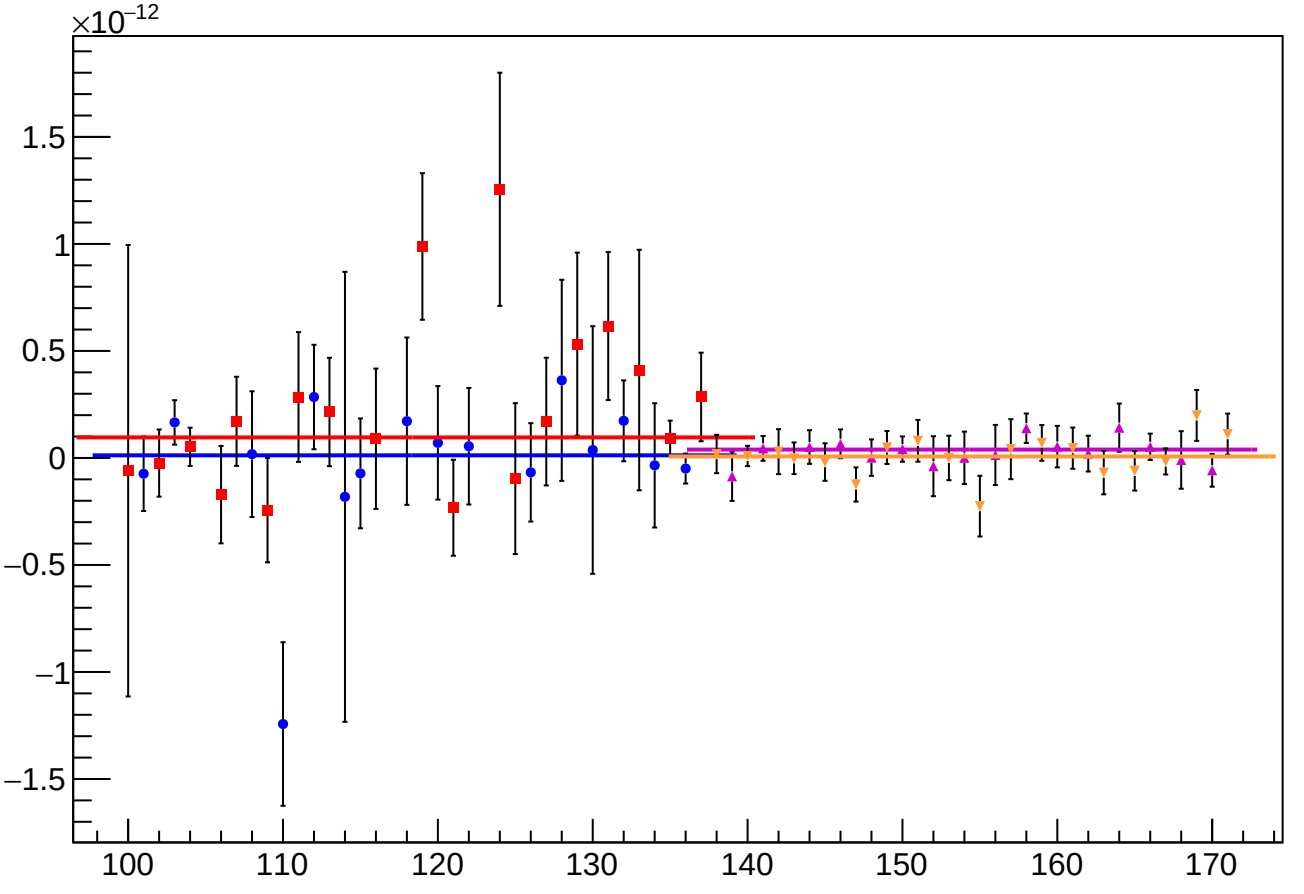
Left In: 287.577+/-0.058 χ^2/NDF:894720.2/15

+ sign 235.585+/-0.039 χ^2/NDF: 4634305.6/33

All: 225.653+/-0.027 χ^2/NDF: 10918084.7/68

- sign 216.357+/-0.038 χ^2/NDF: 6157529.0/34

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

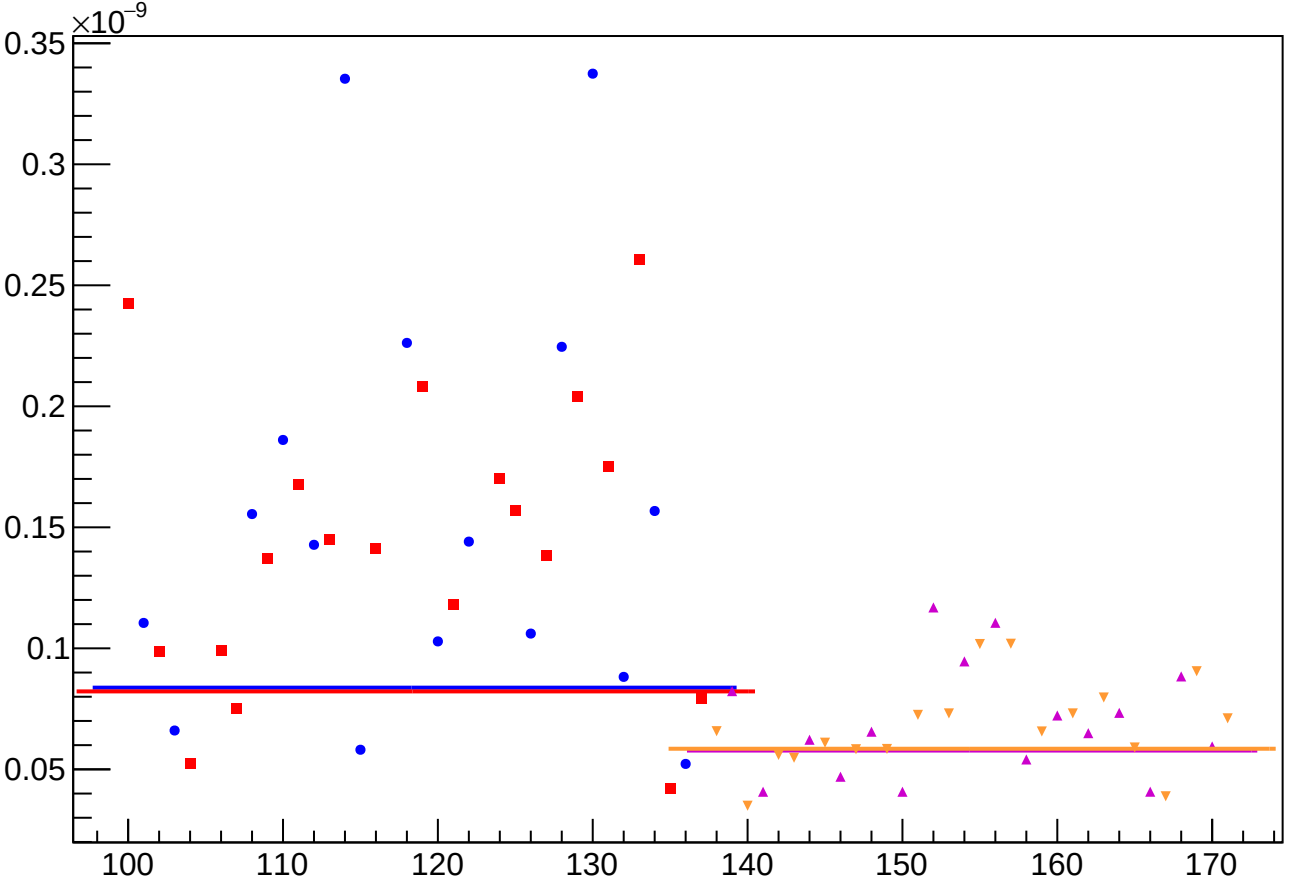
Left In: 0.000+/-0.000 χ^2/NDF:6.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 29.3/33

All: 0.000+/-0.000 χ^2/NDF: 63.1/68

- sign 0.000+/-0.000 χ^2/NDF: 31.3/34

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:1509474.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

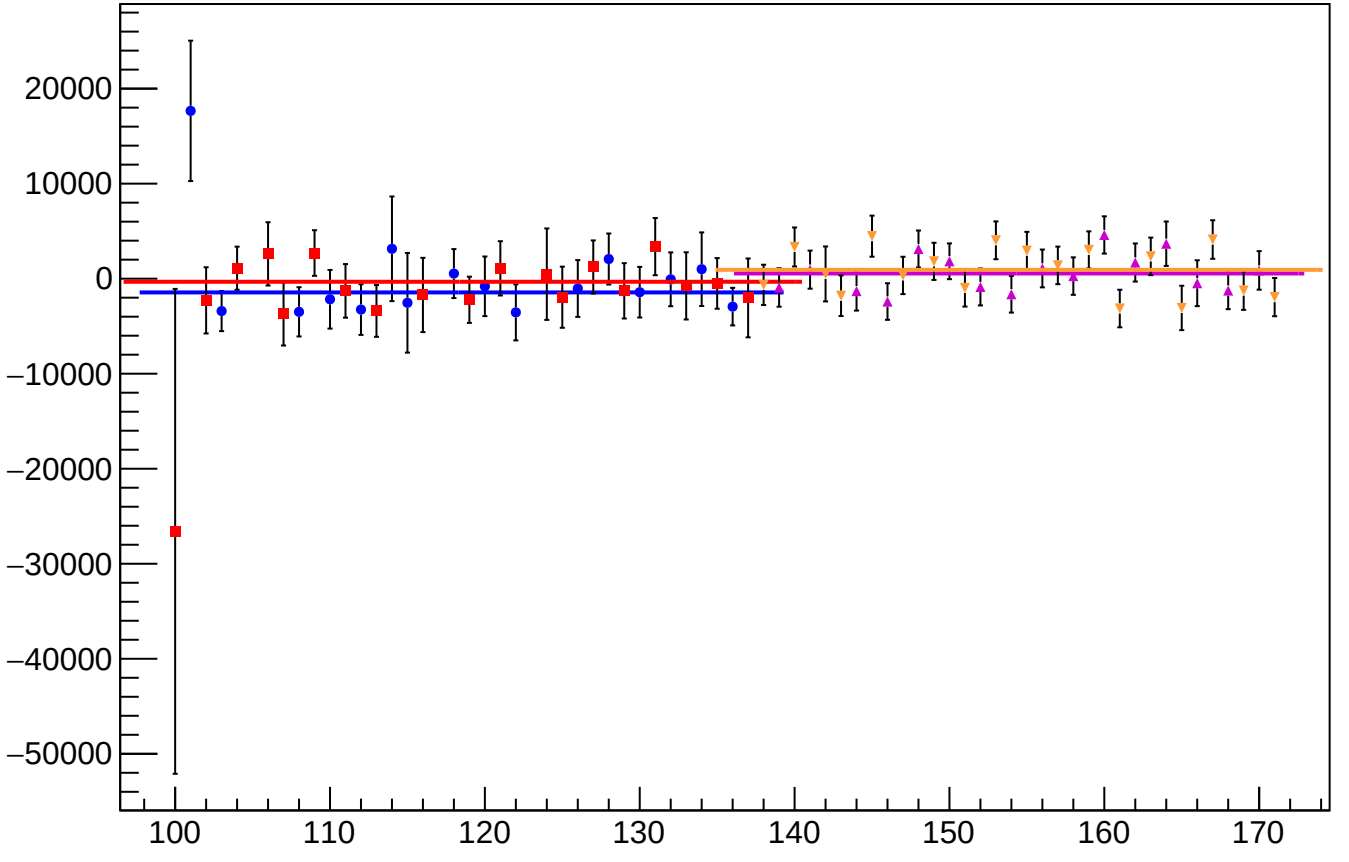
Left In: 0.000+/-0.000 χ^2/NDF:1684317.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 4133430.3/33

All: 0.000+/-0.000 χ^2/NDF: 8583574.4/68

- sign 0.000+/-0.000 χ^2/NDF: 4449217.4/34

reg_asym_atr_dd_mean vs Slug



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.808+/-485.198 χ^2/NDF:25.6/17

Right Out: -325.908+/-702.648 χ^2/NDF: 9.9/18

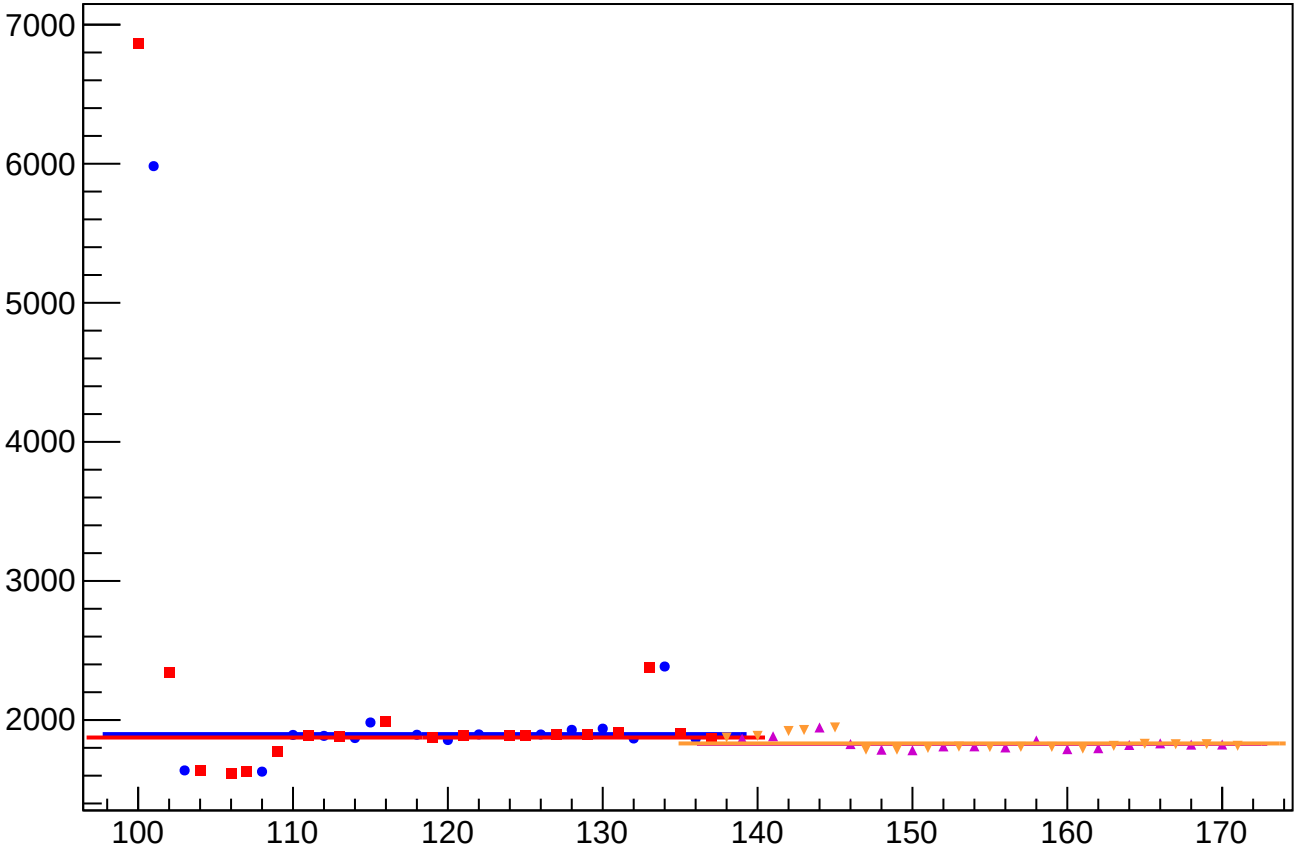
Left In: 546.605+/-502.766 χ^2/NDF:15.3/15

+ sign 192.796+/-402.909 χ^2/NDF: 46.5/33

All: 221.547+/-286.986 χ^2/NDF: 72.8/68

- sign 251.157+/-408.877 χ^2/NDF: 26.3/34

reg_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

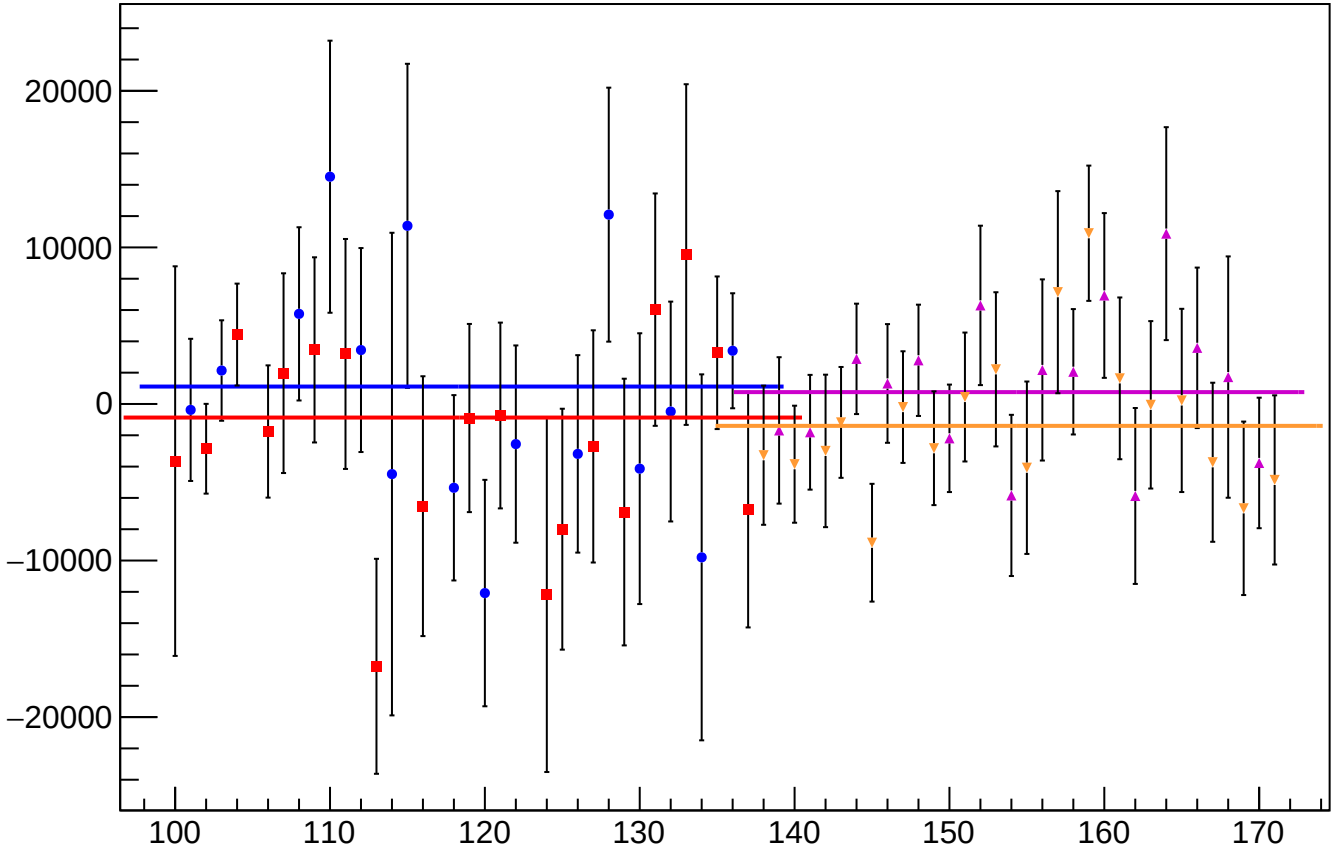
Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

+ sign 1852.484+/-0.285 χ^2/NDF: 728236.9/33

All: 1848.075+/-0.203 χ^2/NDF: 955367.9/68

- sign 1843.545+/-0.289 χ^2/NDF: 226645.5/34

asym_atr_dd_reg_correction_mean vs Slug



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1397.929+/-1061.593 χ^2/NDF:17.8/17

Right Out: -866.976+/-1307.223 χ^2/NDF: 15.6/18

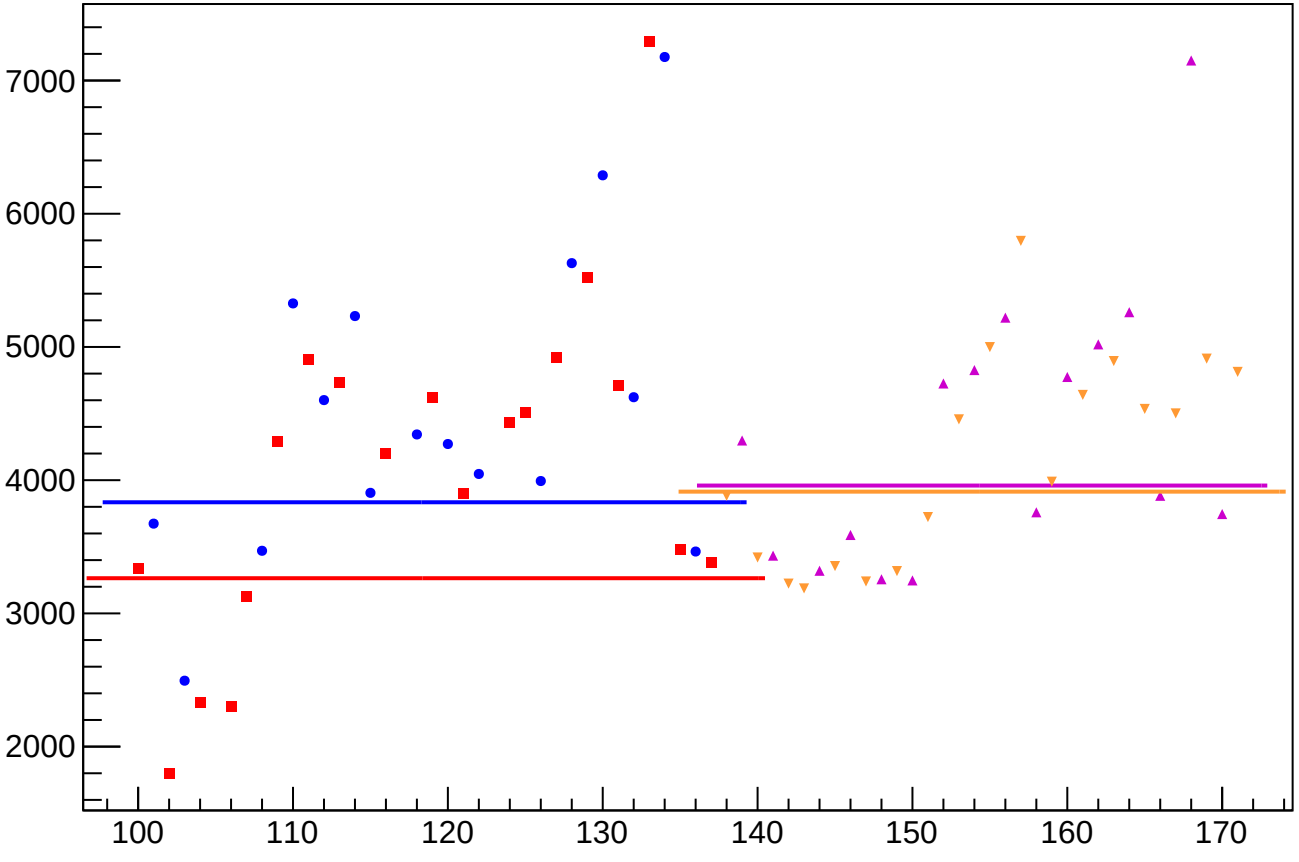
Left In: 757.298+/-1114.788 χ^2/NDF:11.7/15

+ sign -544.457+/-862.480 χ^2/NDF: 33.0/33

All: -230.381+/-604.765 χ^2/NDF: 61.5/68

- sign 73.404+/-848.232 χ^2/NDF: 28.2/34

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3913.968+/-0.751 χ^2/NDF:882229.5/17

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

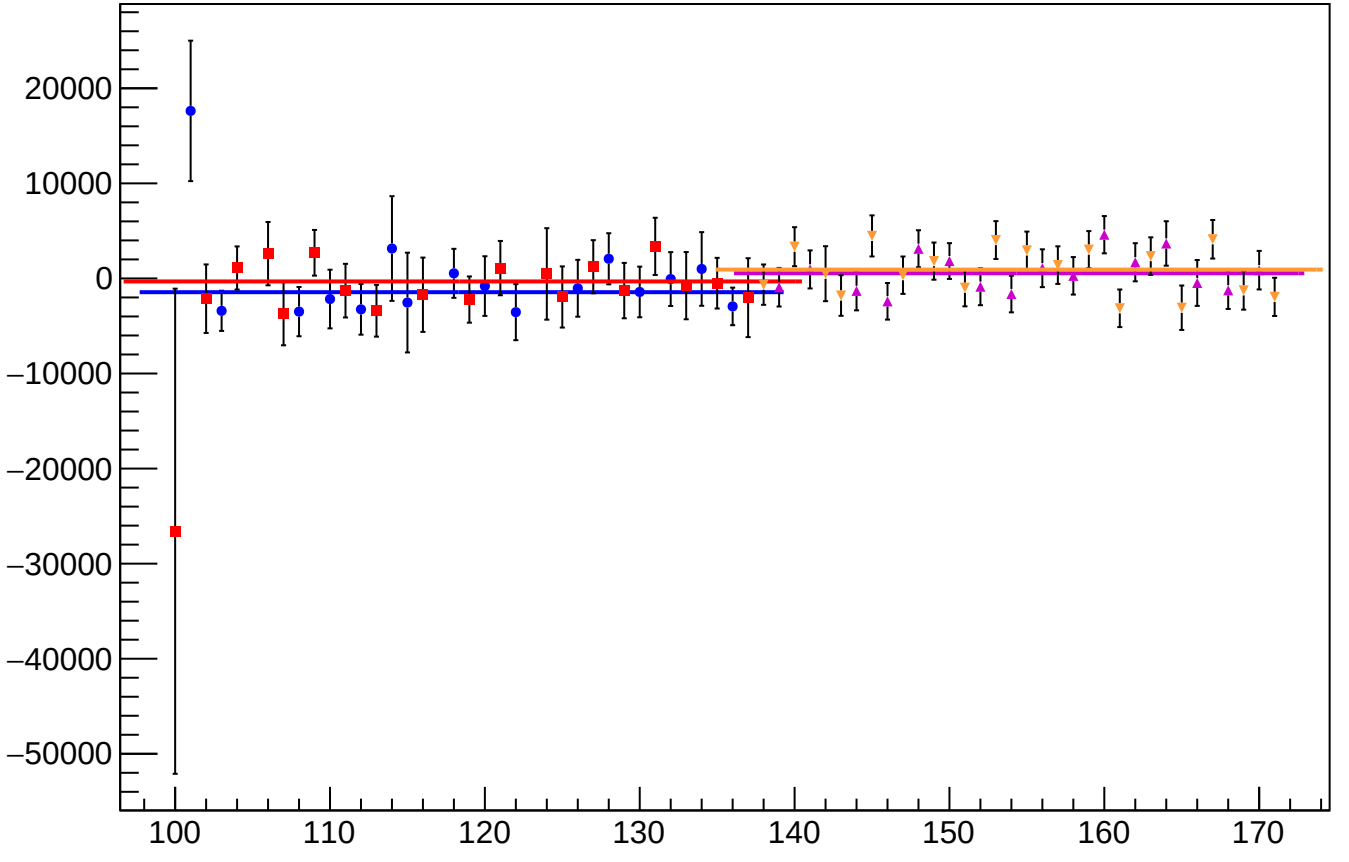
Left In: 3959.632+/-0.788 χ^2/NDF:1043867.2/15

+ sign 3886.839+/-0.610 χ^2/NDF: 1842847.2/33

All: 3774.979+/-0.428 χ^2/NDF: 5144926.9/68

- sign 3666.785+/-0.600 χ^2/NDF: 3235898.6/34

cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.915+/-485.198 χ^2/NDF:25.6/17

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

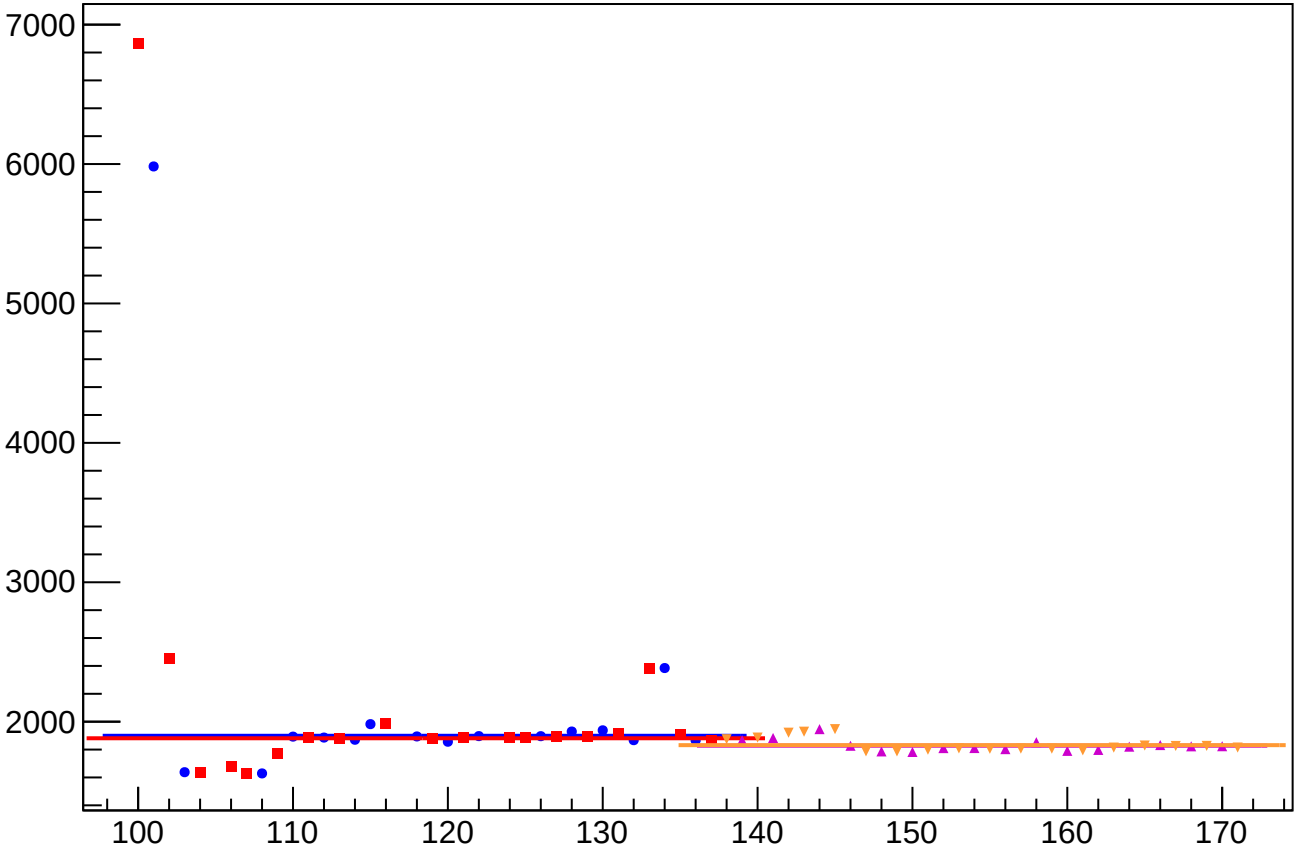
Left In: 546.539+/-502.766 χ^2/NDF:15.3/15

+ sign 192.750+/-402.909 χ^2/NDF: 46.5/33

All: 223.487+/-287.051 χ^2/NDF: 72.7/68

- sign 255.170+/-409.063 χ^2/NDF: 26.2/34

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

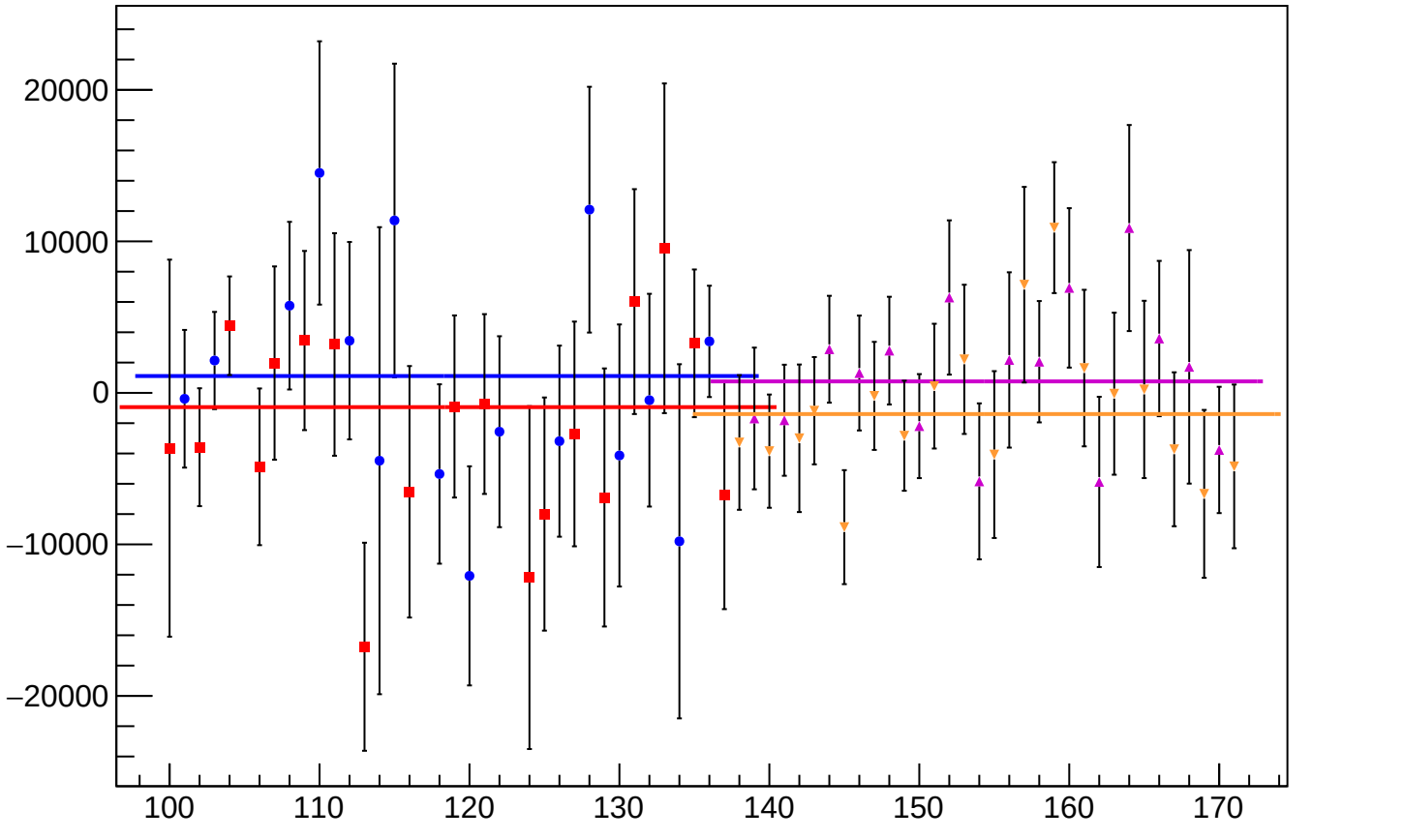
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

+ sign 1852.484+/-0.285 χ^2/NDF: 728237.0/33

All: 1849.174+/-0.203 χ^2/NDF: 965845.8/68

- sign 1845.767+/-0.289 χ^2/NDF: 237334.9/34



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1397.912+/-1061.592 χ^2/NDF:17.8/17

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

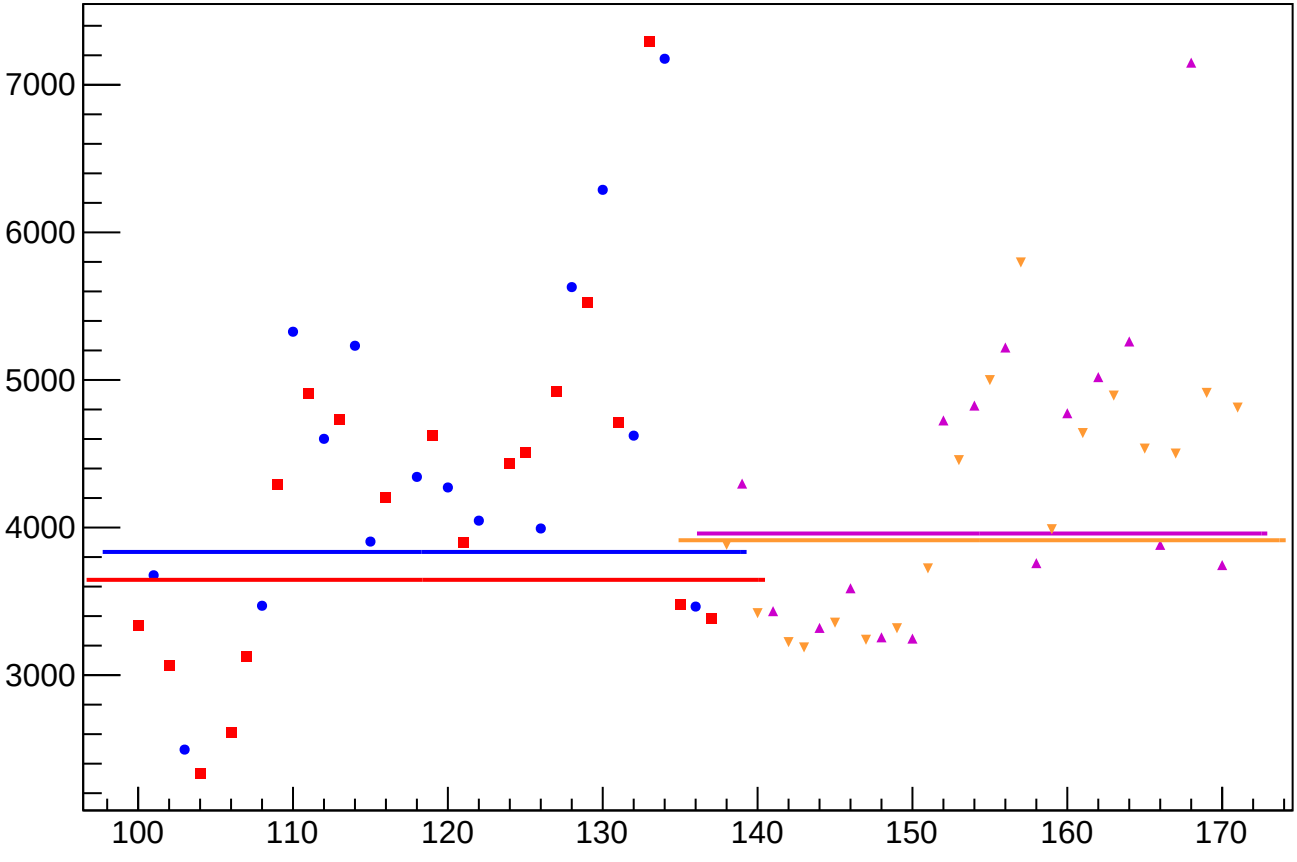
Left In: 757.351+/-1114.787 χ^2/NDF:11.7/15

+ sign -544.977+/-862.513 χ^2/NDF: 33.0/33

All: -227.006+/-613.160 χ^2/NDF: 62.1/68

- sign 97.878+/-871.840 χ^2/NDF: 28.8/34

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3913.964+/-0.751 χ^2/NDF:882221.8/17

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

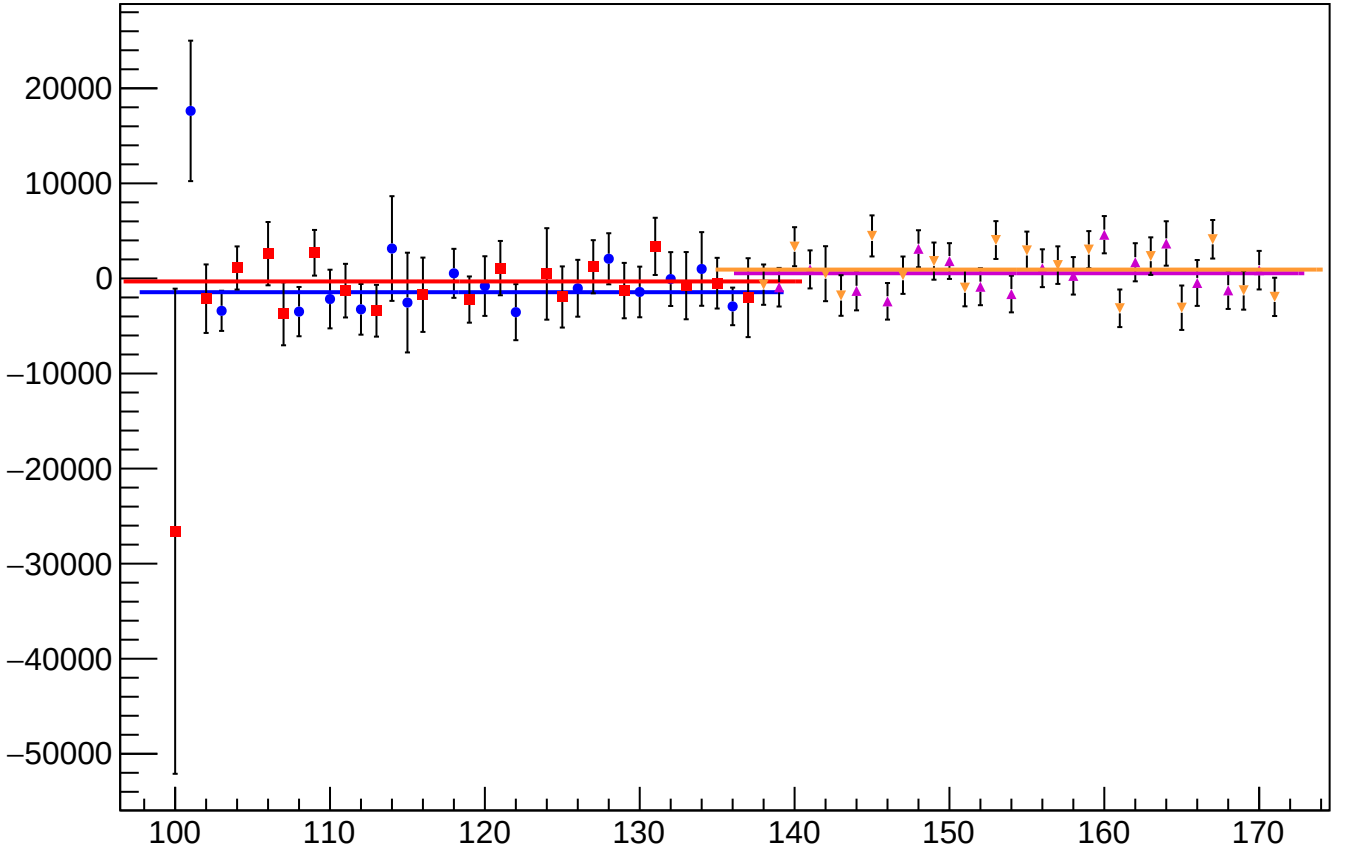
Left In: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

+ sign 3887.019+/-0.610 χ^2/NDF: 1842324.6/33

All: 3862.626+/-0.434 χ^2/NDF: 4076020.5/68

- sign 3837.702+/-0.616 χ^2/NDF: 2230461.7/34

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.915+/-485.198 χ^2/NDF:25.6/17

Right Out: -315.462+/-703.596 χ^2/NDF: 9.9/18

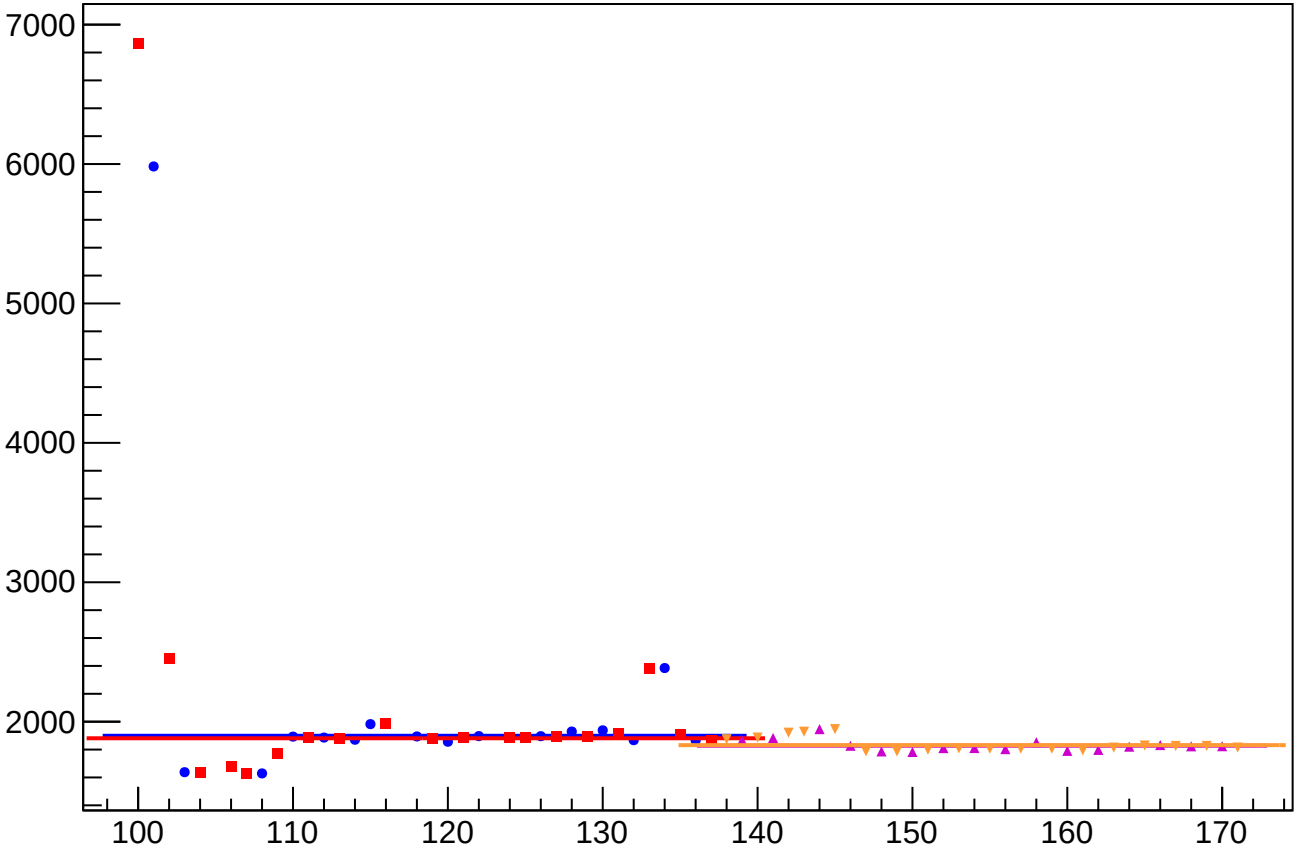
Left In: 546.539+/-502.766 χ^2/NDF:15.3/15

+ sign 192.750+/-402.909 χ^2/NDF: 46.5/33

All: 223.487+/-287.051 χ^2/NDF: 72.7/68

- sign 255.170+/-409.063 χ^2/NDF: 26.2/34

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

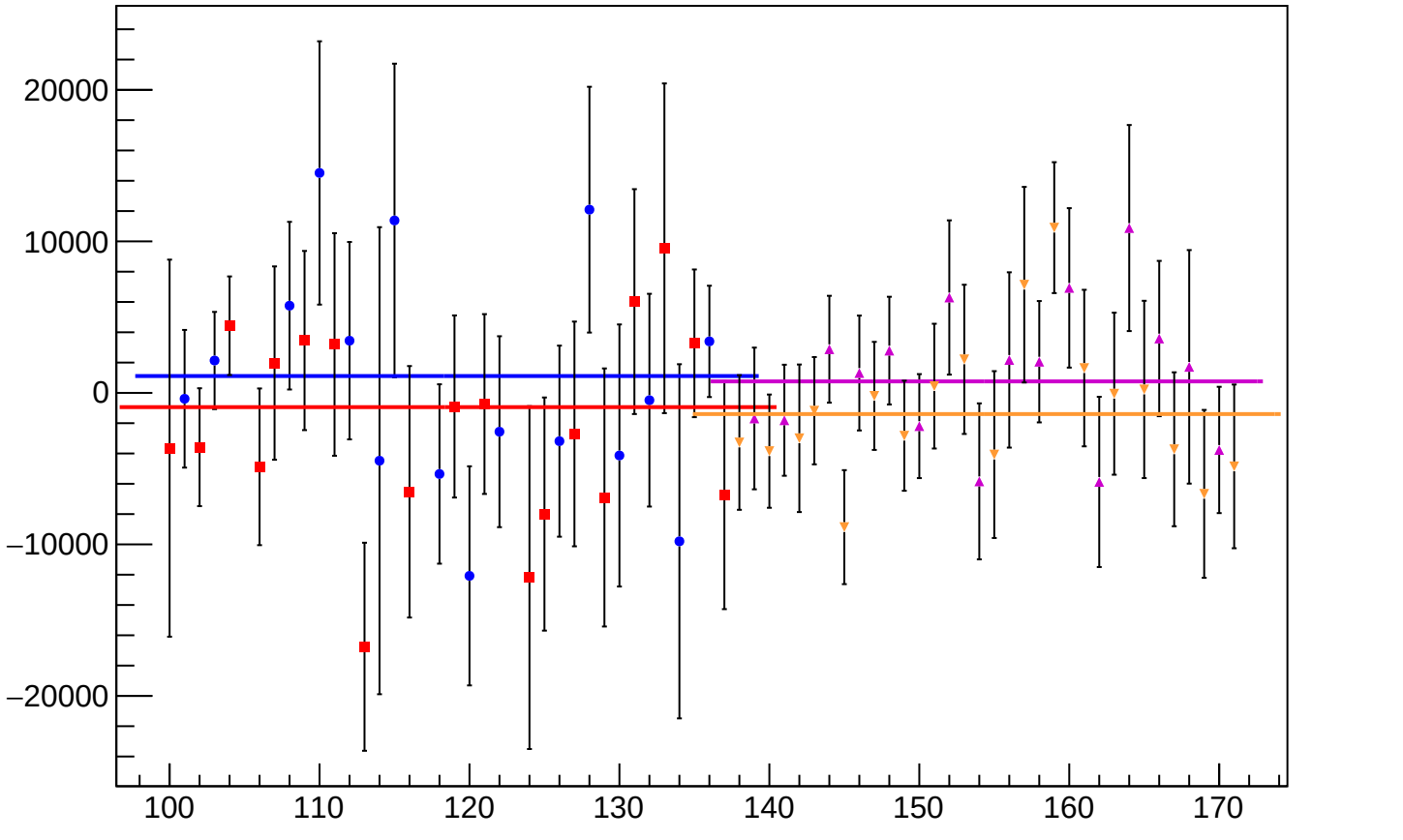
Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

+ sign 1852.484+/-0.285 χ^2/NDF: 728237.0/33

All: 1849.174+/-0.203 χ^2/NDF: 965845.8/68

- sign 1845.767+/-0.289 χ^2/NDF: 237334.9/34



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1397.912+/-1061.592 χ^2/NDF:17.8/17

Right Out: -940.712+/-1398.993 χ^2/NDF: 16.2/18

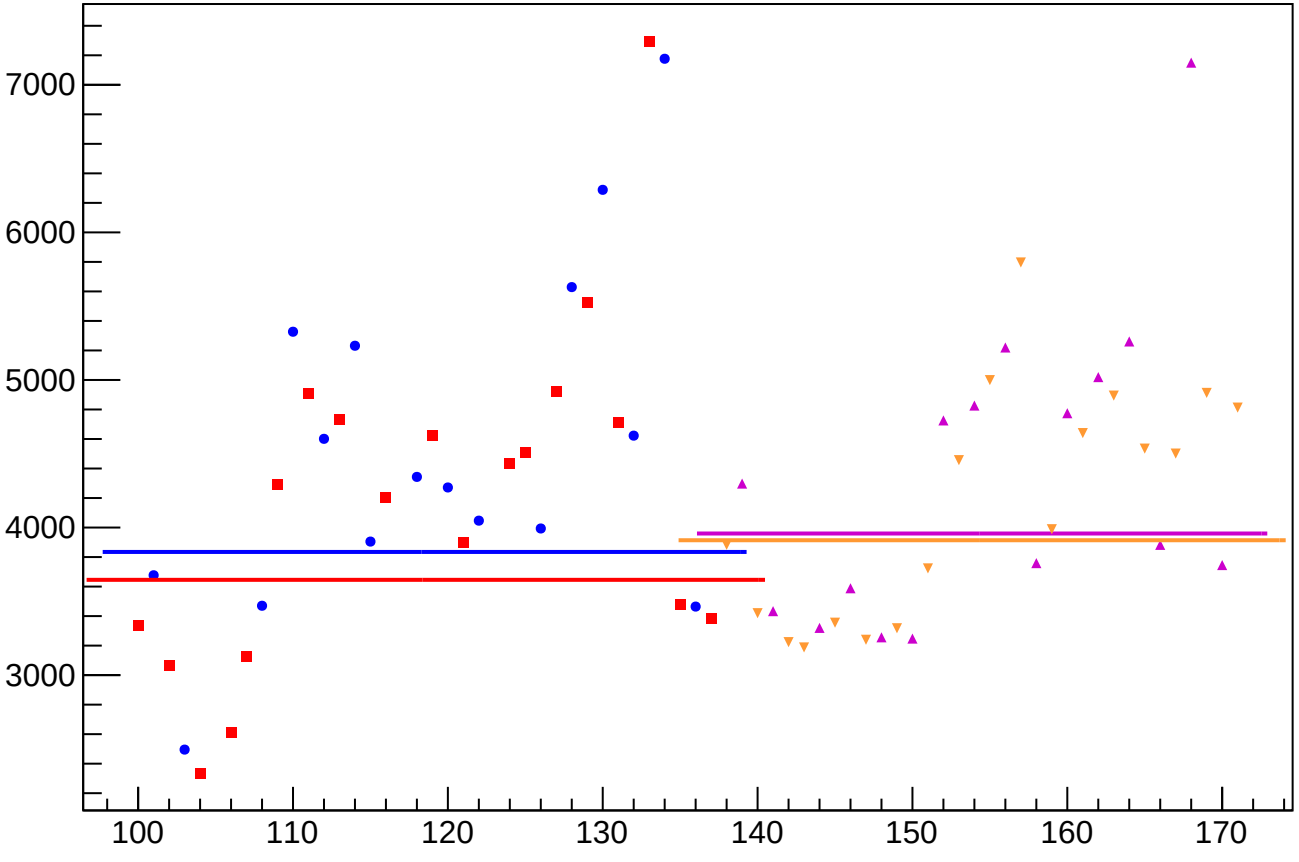
Left In: 757.351+/-1114.787 χ^2/NDF:11.7/15

\+ sign -544.977+/-862.513 χ^2/NDF: 33.0/33

All: -227.006+/-613.160 χ^2/NDF: 62.1/68

\- sign 97.878+/-871.840 χ^2/NDF: 28.8/34

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3913.964+/-0.751 χ^2/NDF:882221.8/17

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

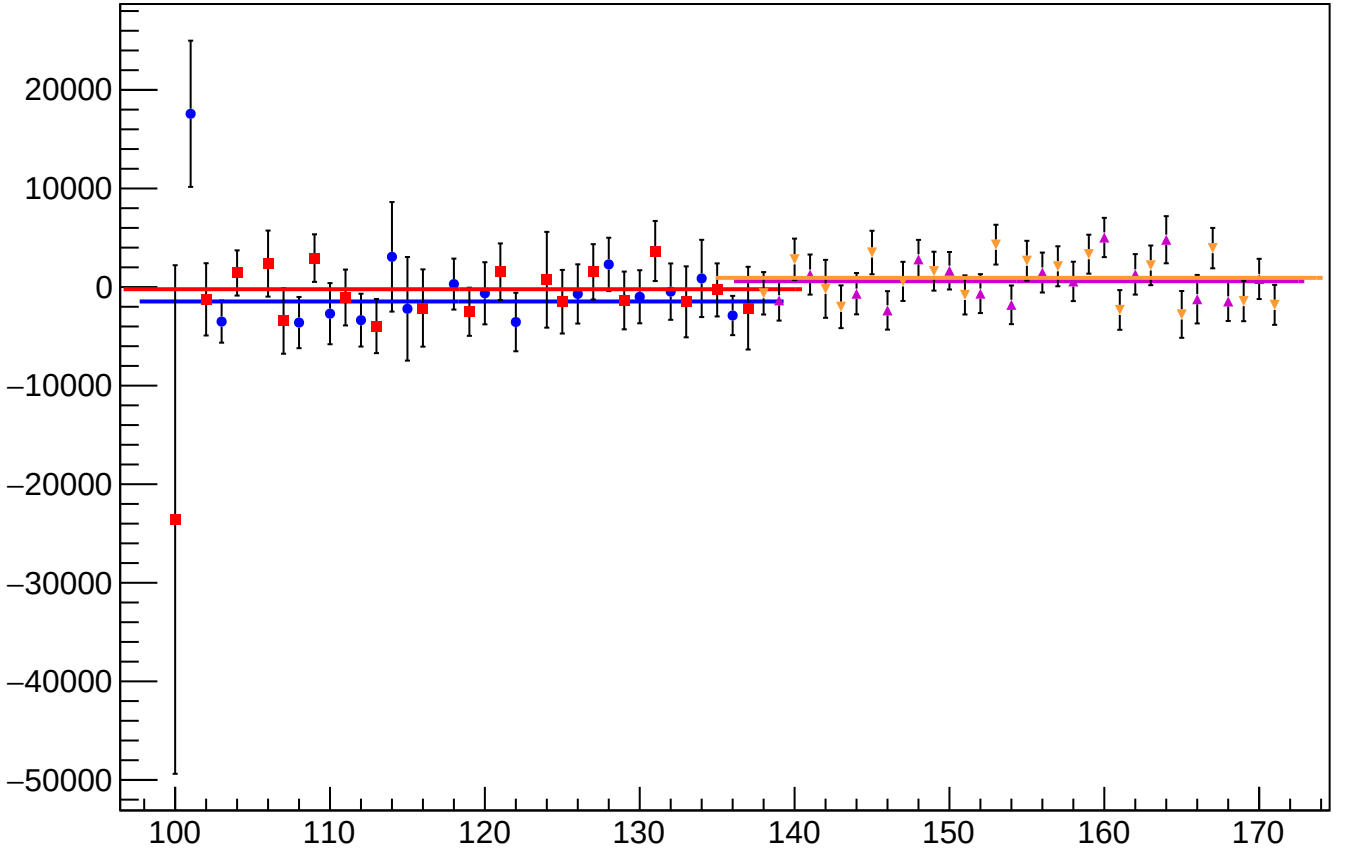
Left In: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

+ sign 3887.019+/-0.610 χ^2/NDF: 1842324.6/33

All: 3862.626+/-0.434 χ^2/NDF: 4076020.5/68

- sign 3837.702+/-0.616 χ^2/NDF: 2230461.7/34

dit_asym_atr_dd_mean vs Slug



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 932.786+/-492.590 χ^2/NDF:21.7/17

Right Out: -219.726+/-708.852 χ^2/NDF: 10.8/18

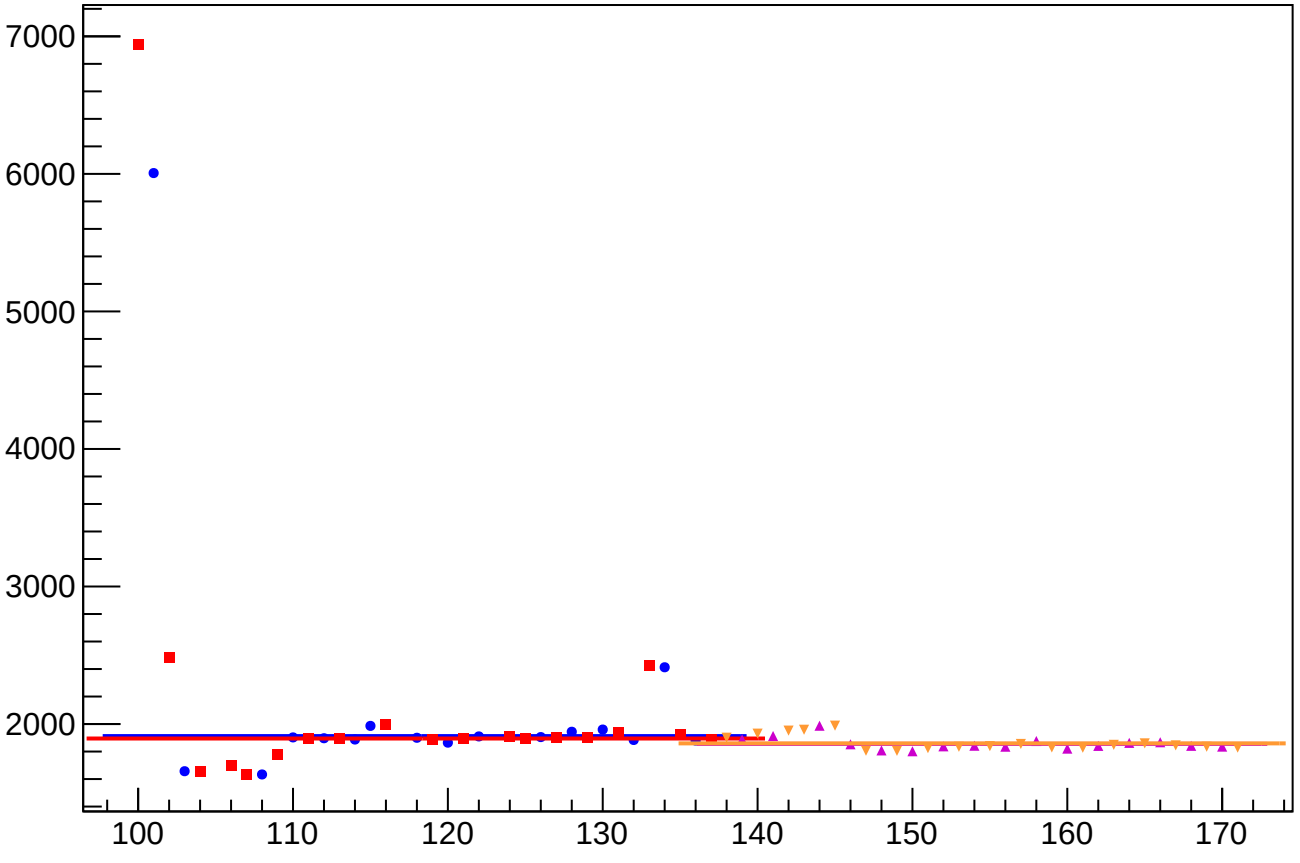
Left In: 595.893+/-510.441 χ^2/NDF:17.1/15

+ sign 180.889+/-408.021 χ^2/NDF: 42.7/33

All: 248.106+/-290.682 χ^2/NDF: 71.5/68

- sign 317.382+/-414.222 χ^2/NDF: 28.8/34

dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1859.380+/-0.348 χ^2/NDF:21934.5/17

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

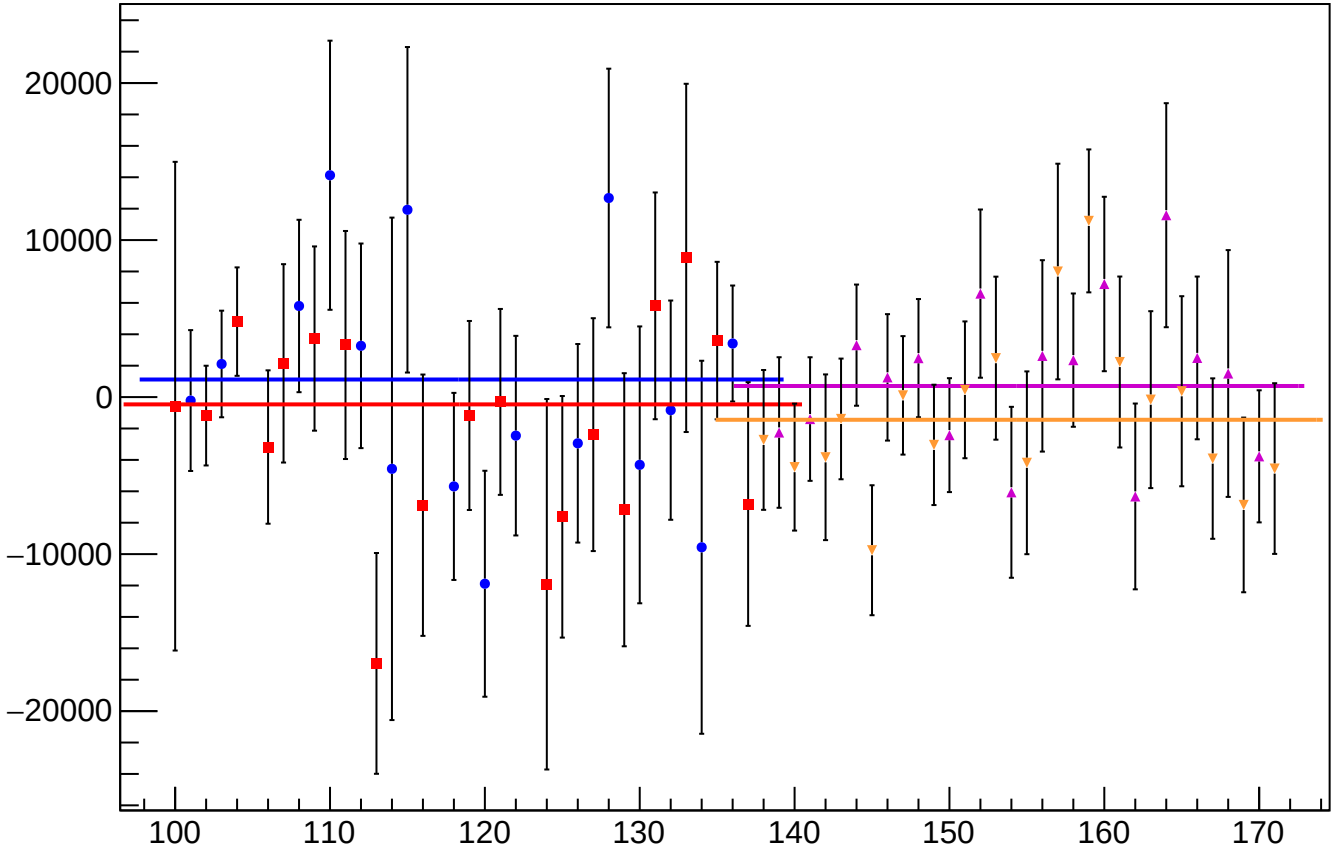
Left In: 1855.528+/-0.361 χ^2/NDF:14516.3/15

+ sign 1876.016+/-0.289 χ^2/NDF: 725421.8/33

All: 1872.532+/-0.206 χ^2/NDF: 964056.5/68

- sign 1868.945+/-0.293 χ^2/NDF: 238338.8/34

asym_atr_dd_dit_correction_mean vs Slug



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1445.006+/-1119.569 χ^2/NDF:17.9/17

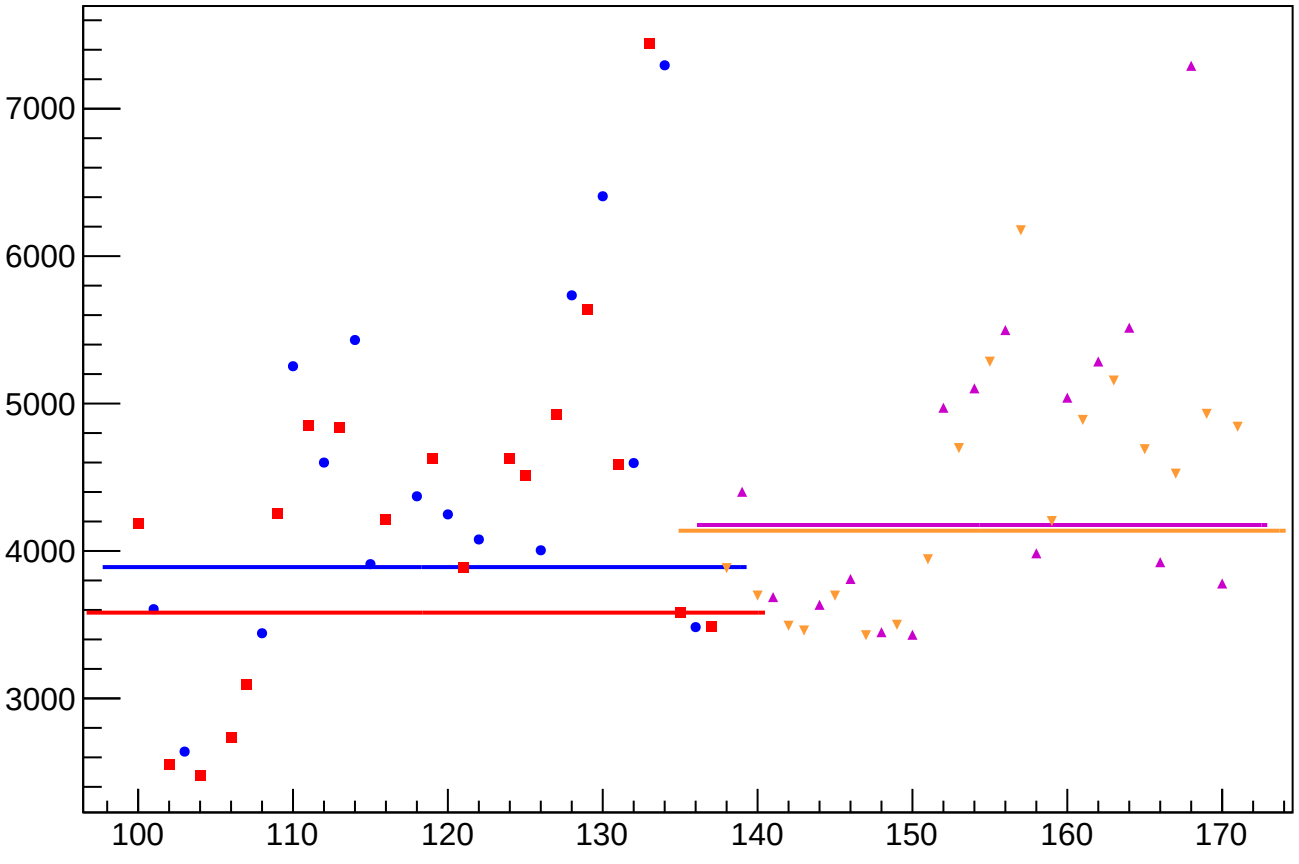
Right Out: -464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: 706.898+/-1174.371 χ^2/NDF:11.5/15

+ sign -525.422+/-896.713 χ^2/NDF: 33.3/33

All: -155.141+/-632.344 χ^2/NDF: 60.5/68

- sign 211.132+/-891.847 χ^2/NDF: 26.9/34



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4137.419+/-0.792 χ^2/NDF:758150.3/17

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

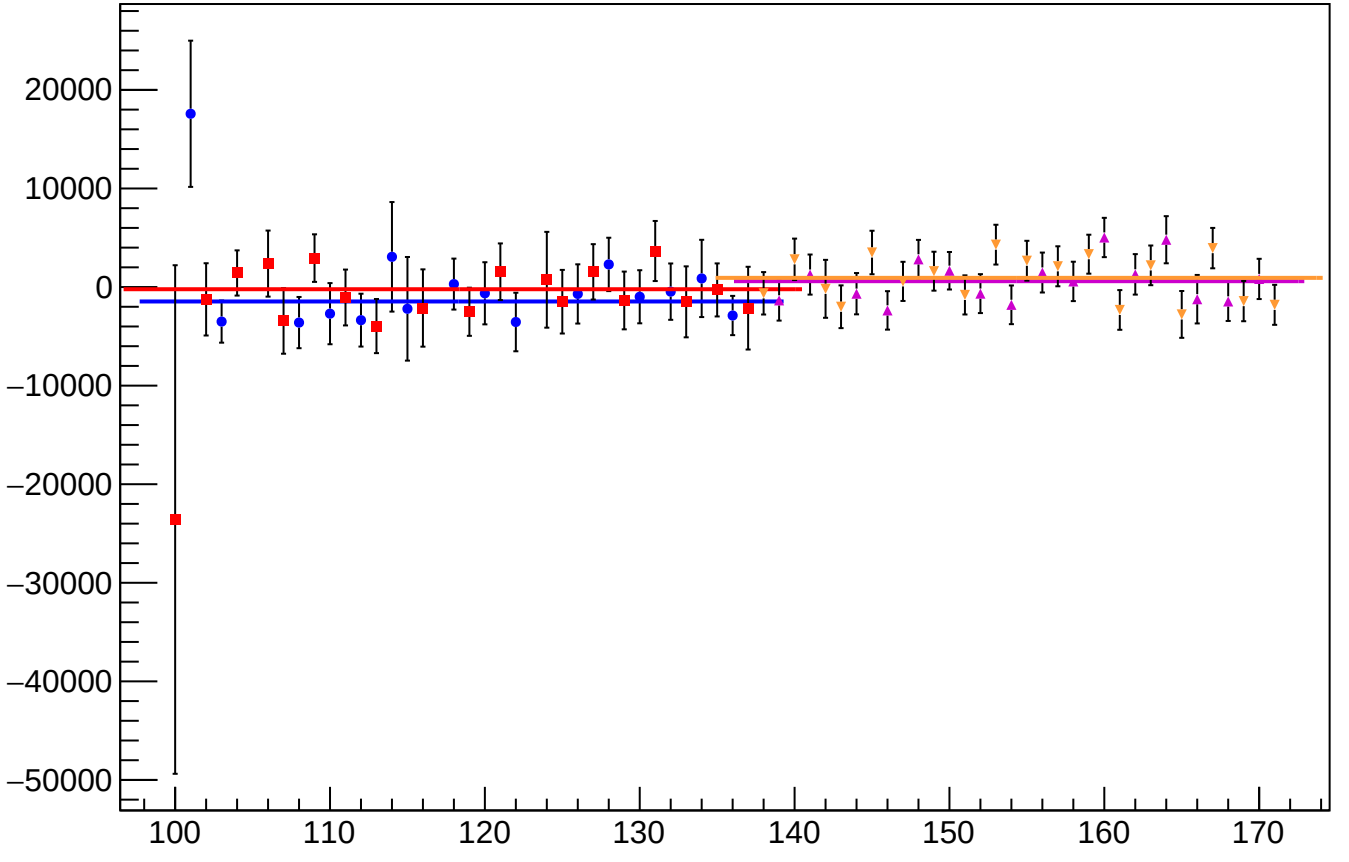
Left In: 4176.274+/-0.830 χ^2/NDF:976034.6/15

+ sign 4048.976+/-0.634 χ^2/NDF: 1671384.6/33

All: 3986.470+/-0.447 χ^2/NDF: 4105542.5/68

- sign 3924.641+/-0.631 χ^2/NDF: 2414827.5/34

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 932.793+/-492.590 χ^2/NDF:21.7/17

Right Out: -219.720+/-708.852 χ^2/NDF: 10.8/18

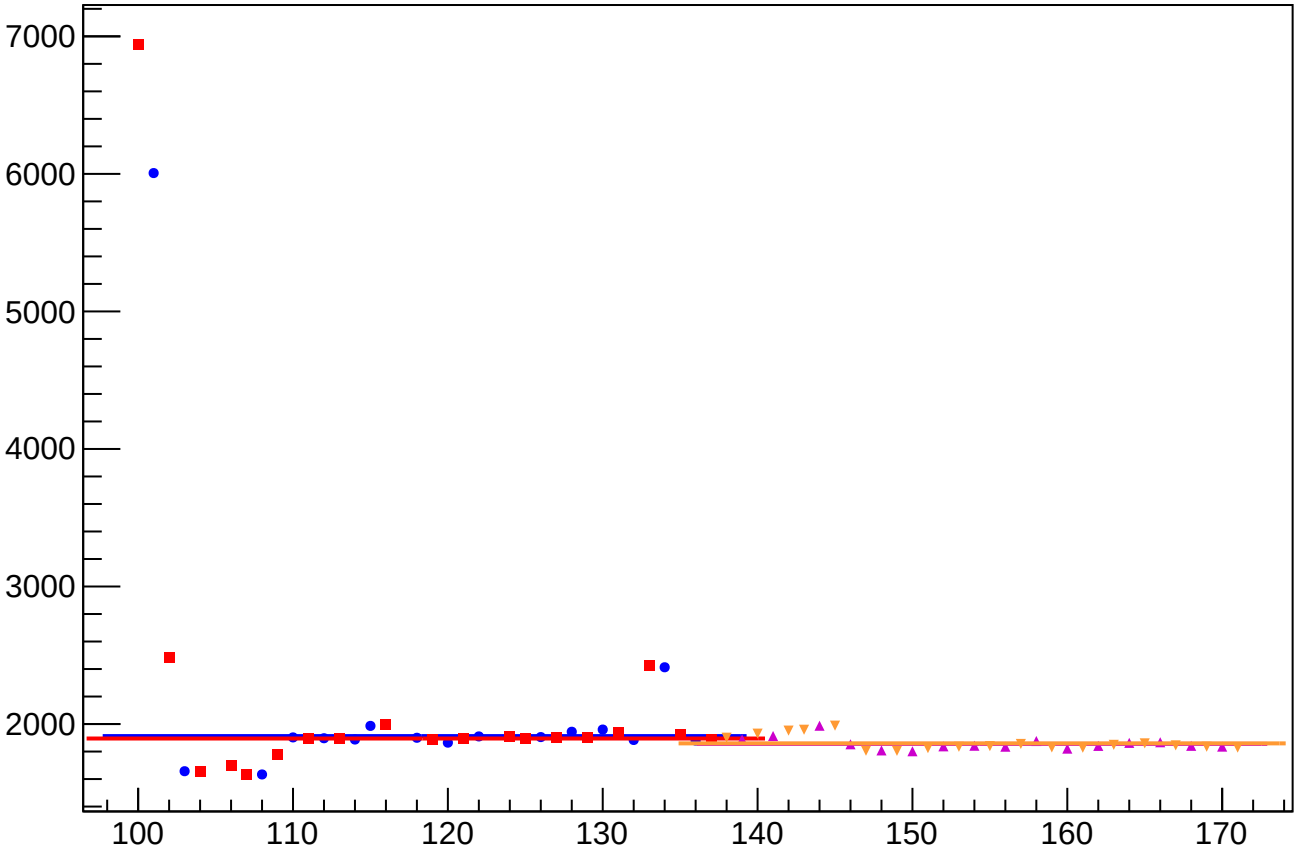
Left In: 595.896+/-510.441 χ^2/NDF:17.1/15

+ sign 180.891+/-408.021 χ^2/NDF: 42.7/33

All: 248.109+/-290.682 χ^2/NDF: 71.5/68

- sign 317.386+/-414.222 χ^2/NDF: 28.8/34

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1859.381+/-0.348 χ^2/NDF:21934.5/17

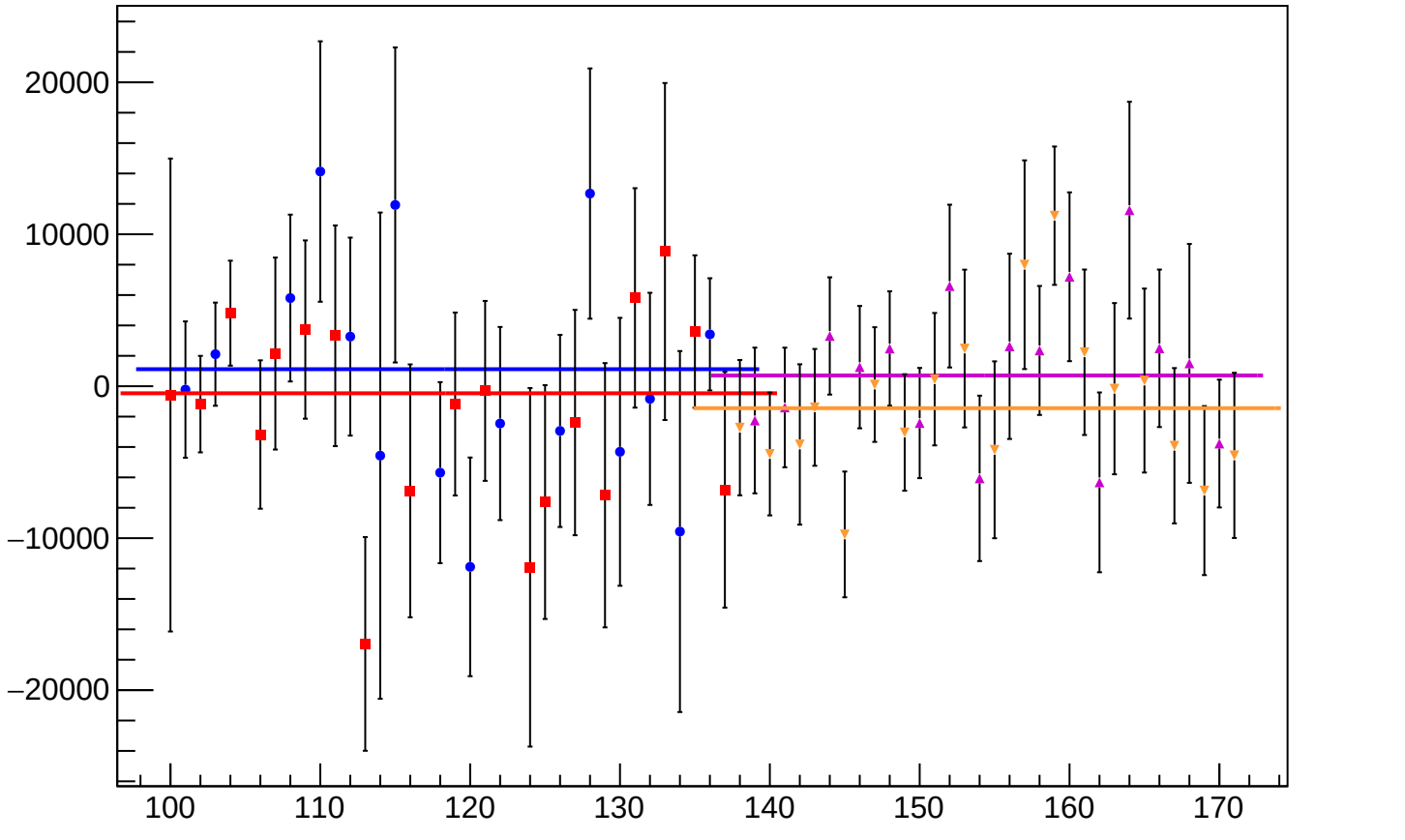
Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1855.529+/-0.361 χ^2/NDF:14516.2/15

+ sign 1876.016+/-0.289 χ^2/NDF: 725421.5/33

All: 1872.533+/-0.206 χ^2/NDF: 964055.9/68

- sign 1868.946+/-0.293 χ^2/NDF: 238338.6/34



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1445.006+/-1119.570 χ^2/NDF:17.9/17

Right Out: -464.367+/-1370.817 χ^2/NDF: 15.0/18

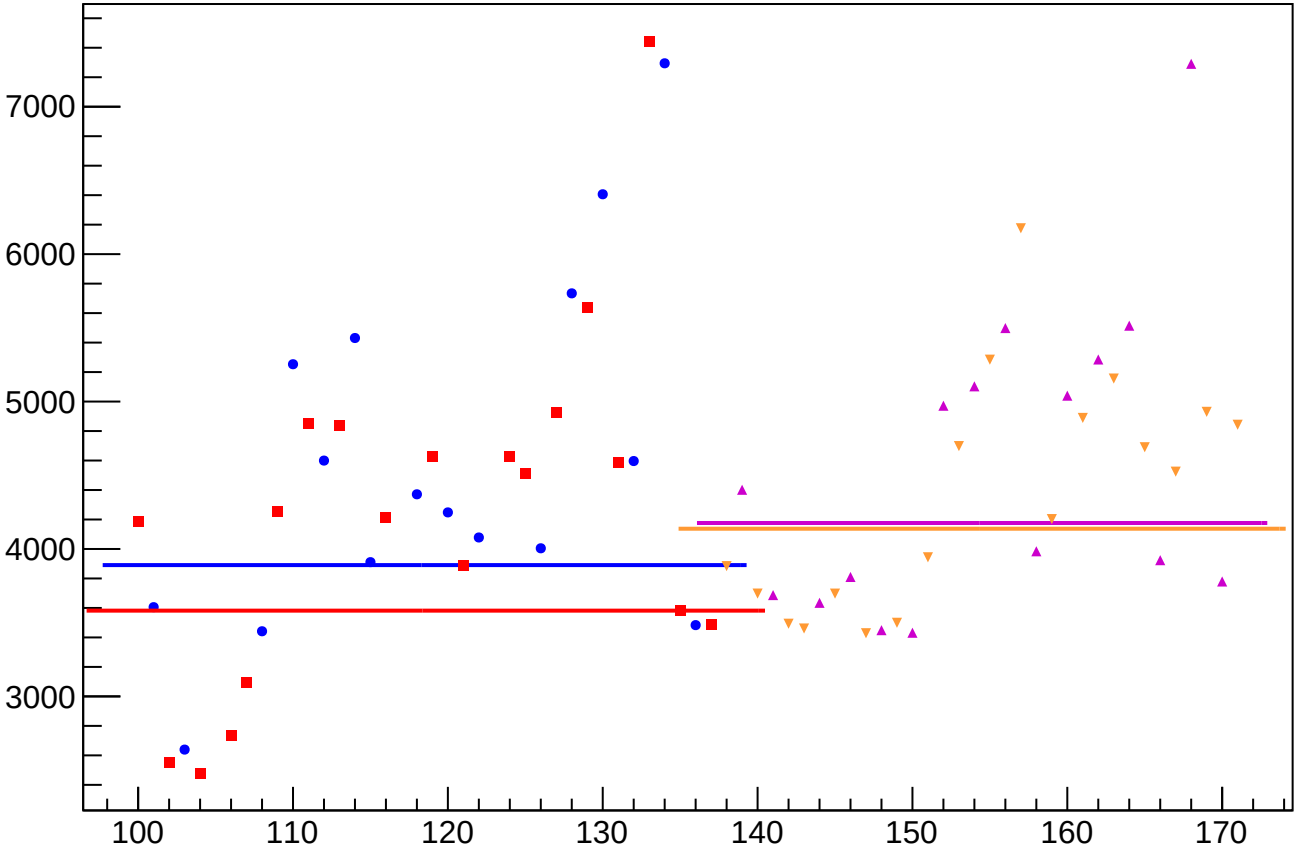
Left In: 706.896+/-1174.373 χ^2/NDF:11.5/15

+ sign -525.423+/-896.713 χ^2/NDF: 33.3/33

All: -155.143+/-632.345 χ^2/NDF: 60.5/68

- sign 211.130+/-891.847 χ^2/NDF: 26.9/34

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4137.426+/-0.792 χ^2/NDF:758150.6/17

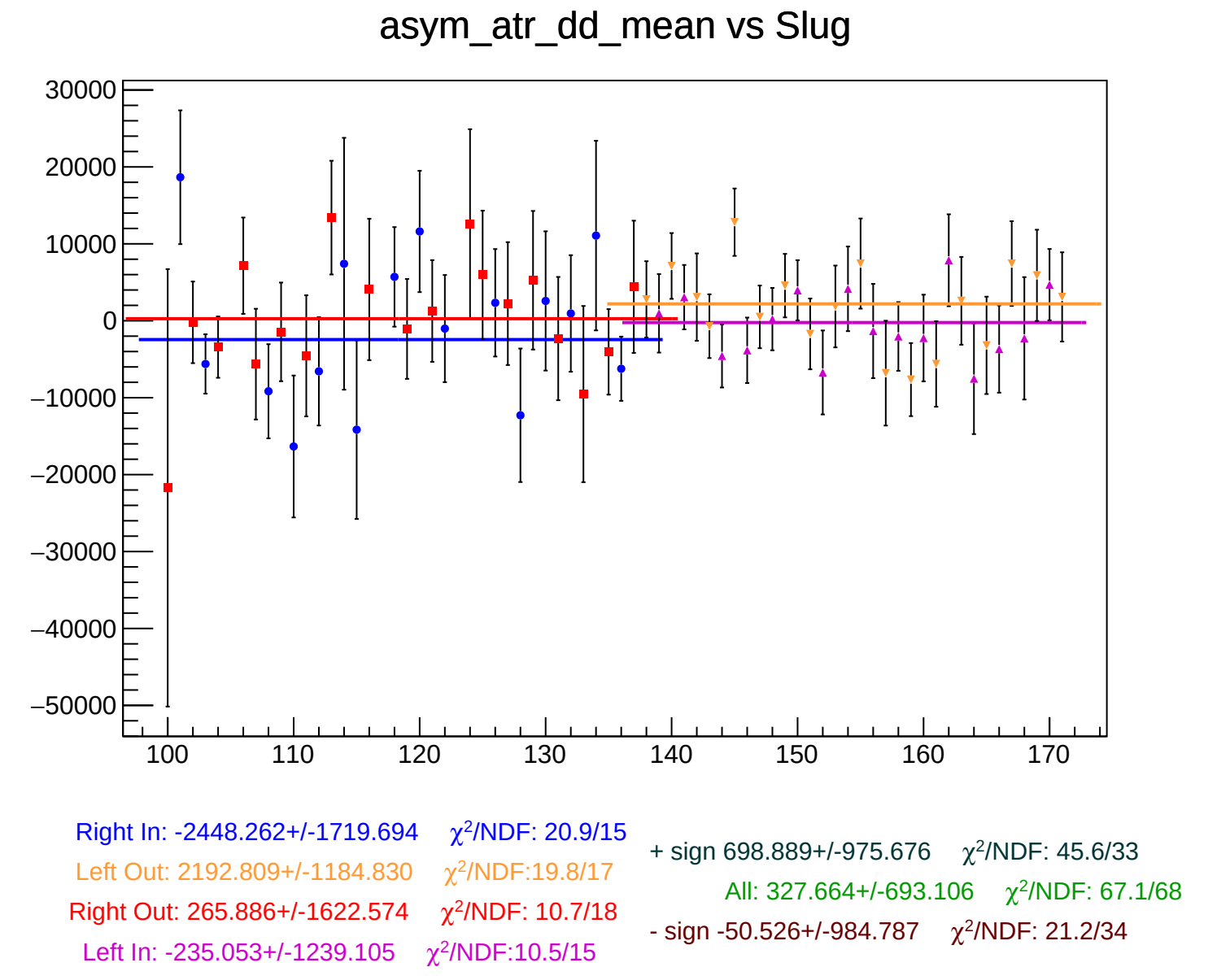
Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4176.280+/-0.830 χ^2/NDF:976037.1/15

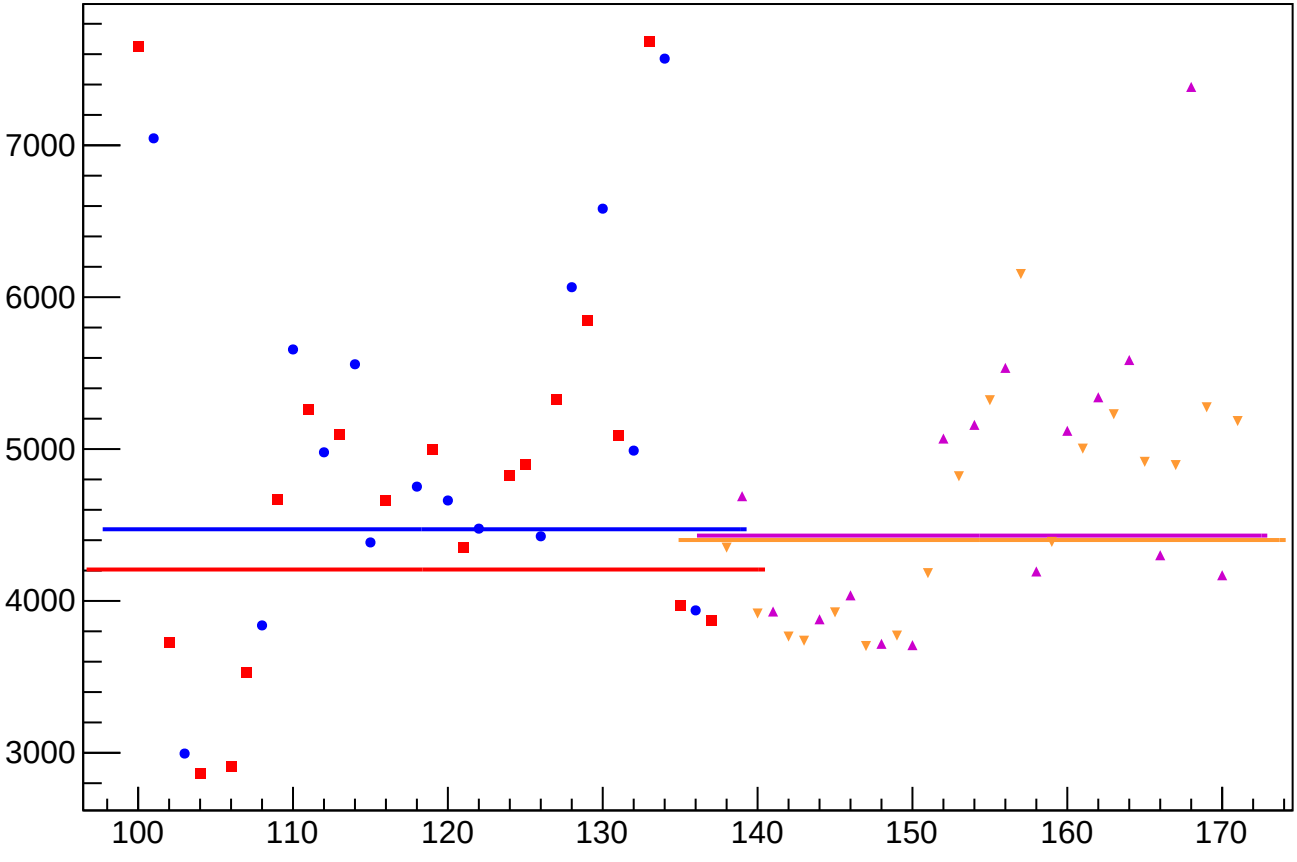
+ sign 4048.979+/-0.634 χ^2/NDF: 1671378.5/33

All: 3986.472+/-0.447 χ^2/NDF: 4105537.2/68

- sign 3924.642+/-0.631 χ^2/NDF: 2414827.8/34


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2448.262+/-1719.694 χ²/NDF: 20.9/15
Left Out: 2192.809+/-1184.830 χ²/NDF:19.8/17
Right Out: 265.886+/-1622.574 χ²/NDF: 10.7/18
Left In: -235.053+/-1239.105 χ²/NDF:10.5/15
+ sign 698.889+/-975.676 χ²/NDF: 45.6/33
All: 327.664+/-693.106 χ²/NDF: 67.1/68
- sign -50.526+/-984.787 χ²/NDF: 21.2/34

asym_atr_dd_rms vs Slug



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4401.074+/-0.838 χ^2/NDF:603952.3/17

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

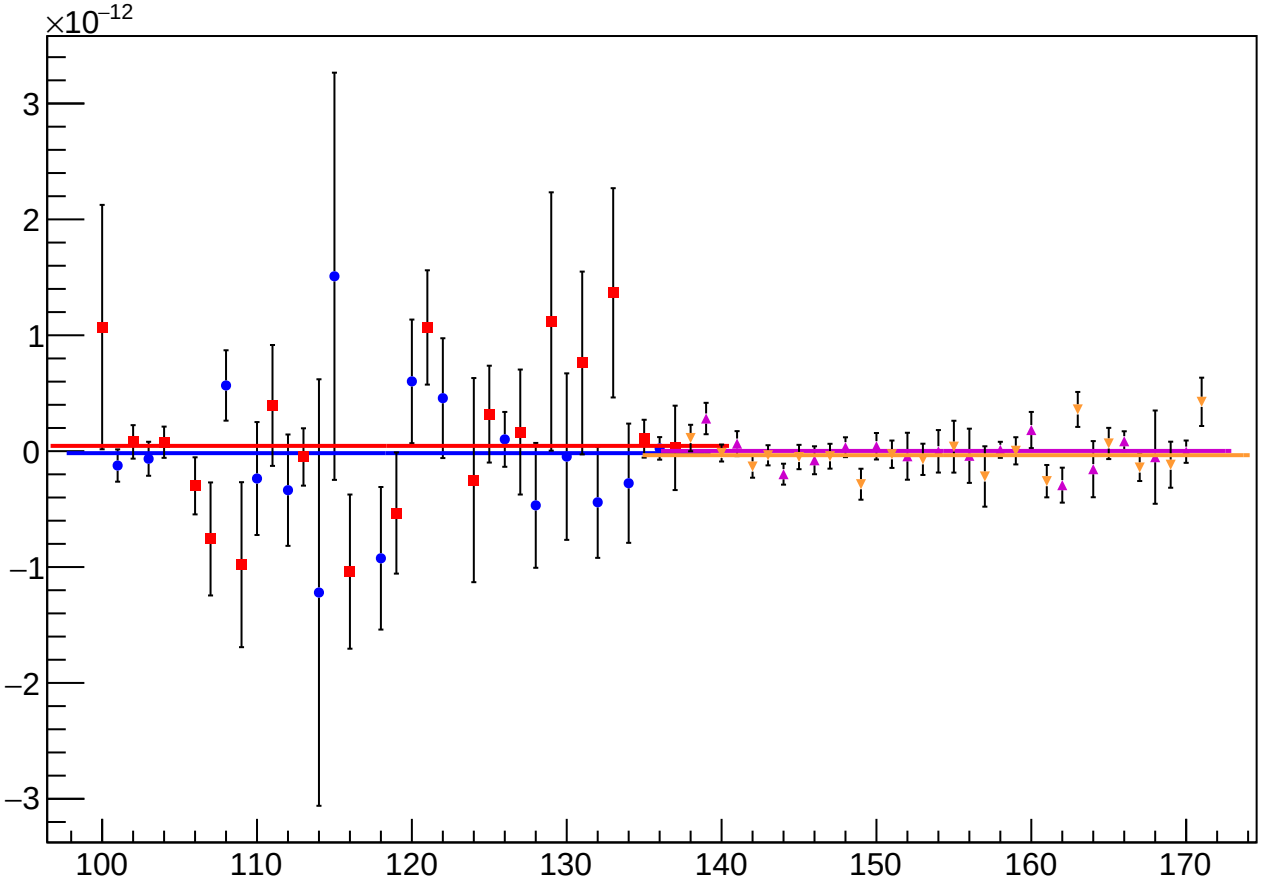
Left In: 4430.240+/-0.876 χ^2/NDF:760222.5/15

+ sign 4423.874+/-0.690 χ^2/NDF: 1497931.5/33

All: 4385.737+/-0.489 χ^2/NDF: 3135010.1/68

- sign 4347.119+/-0.694 χ^2/NDF: 1630928.8/34

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/17

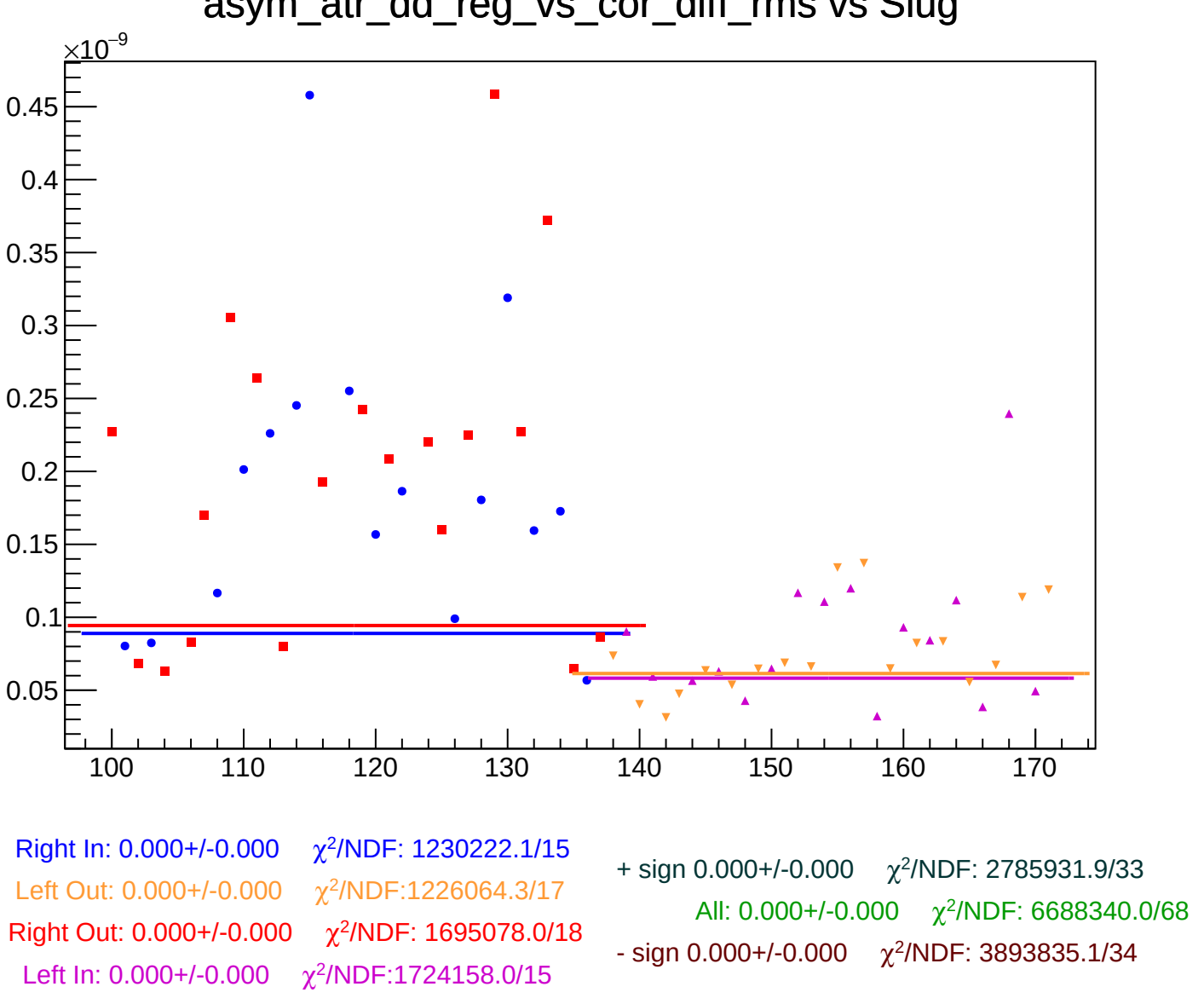
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/15

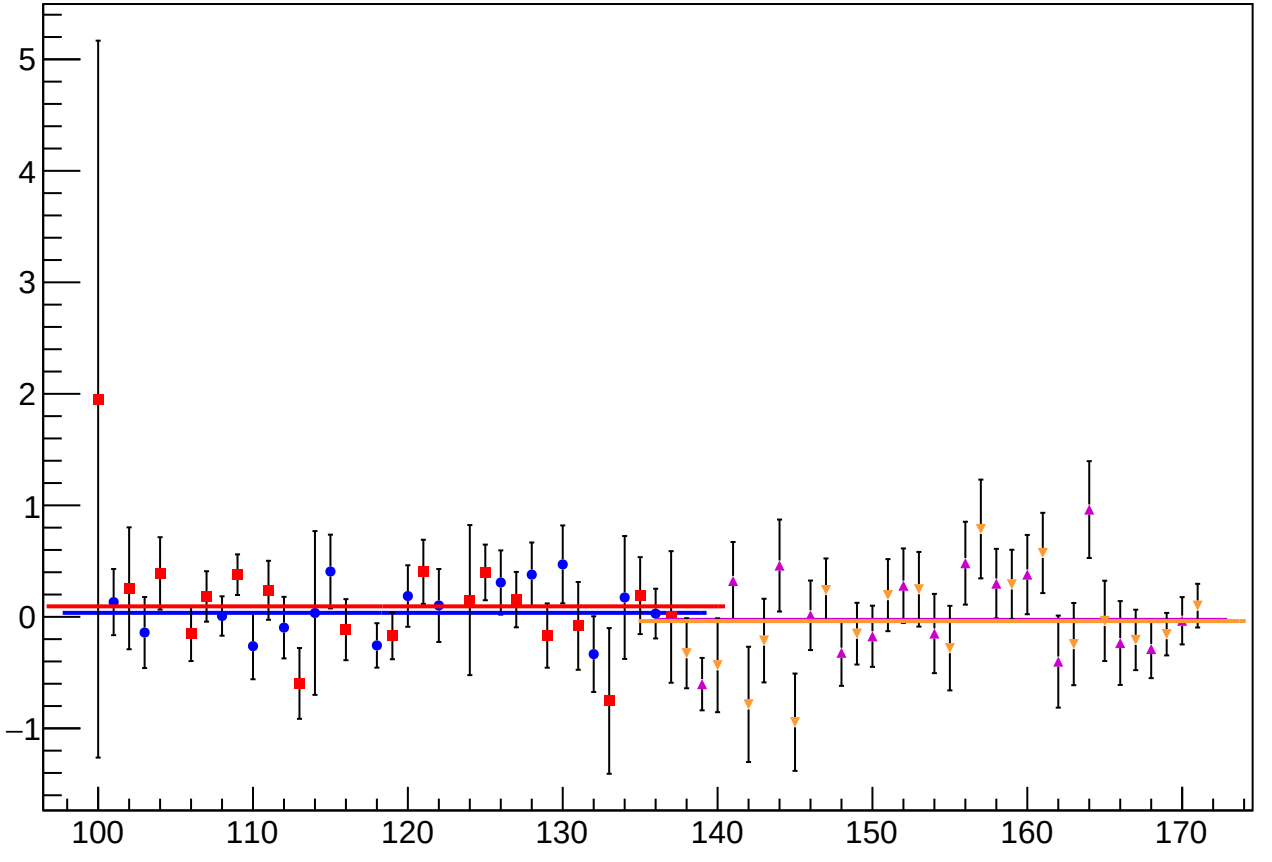
+ sign -0.000+/-0.000 χ^2/NDF: 35.8/33

All: -0.000+/-0.000 χ^2/NDF: 75.4/68

- sign 0.000+/-0.000 χ^2/NDF: 38.5/34


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1230222.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1226064.3/17
Right Out: 0.000+/-0.000 χ²/NDF: 1695078.0/18
Left In: 0.000+/-0.000 χ²/NDF:1724158.0/15
+ sign 0.000+/-0.000 χ²/NDF: 2785931.9/33
All: 0.000+/-0.000 χ²/NDF: 6688340.0/68
- sign 0.000+/-0.000 χ²/NDF: 3893835.1/34

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.073 χ^2/NDF:20.2/17

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

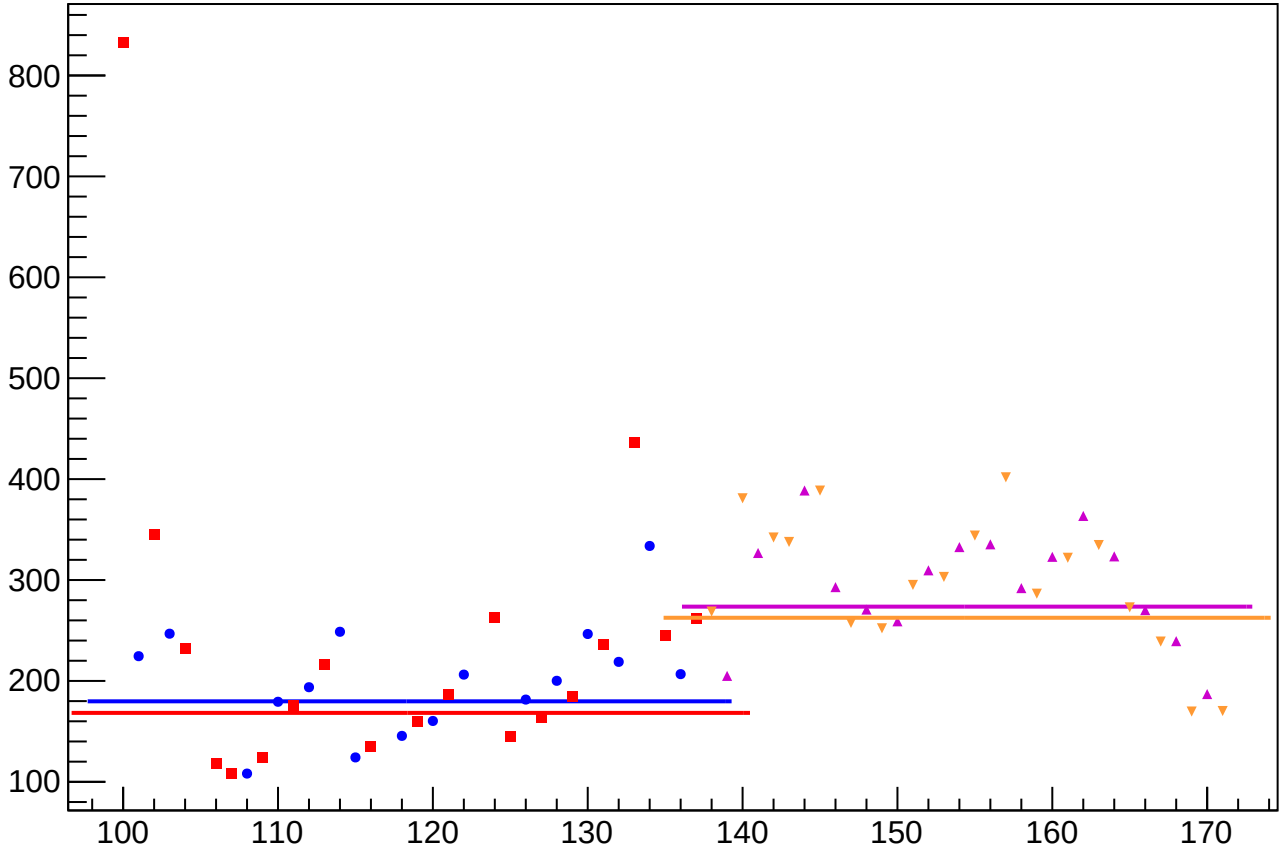
Left In: -0.027+/-0.078 χ^2/NDF:22.2/15

+ sign 0.000+/-0.051 χ^2/NDF: 31.3/33

All: 0.021+/-0.036 χ^2/NDF: 72.8/68

- sign 0.042+/-0.051 χ^2/NDF: 41.3/34

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 262.596+/-0.052 χ^2/NDF:1877127.5/17

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

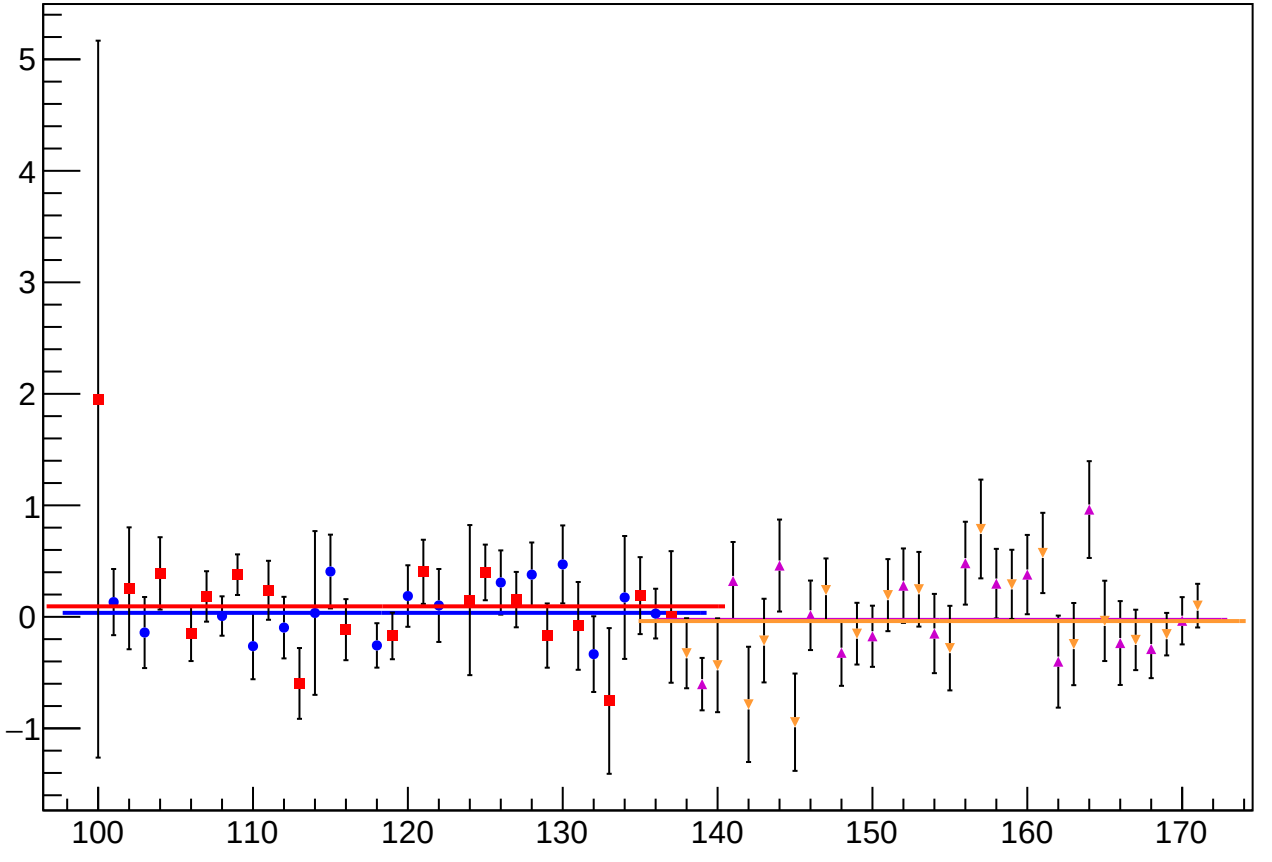
Left In: 273.625+/-0.055 χ^2/NDF:1054523.2/15

+ sign 219.874+/-0.036 χ^2/NDF: 4128001.9/33

All: 216.738+/-0.025 χ^2/NDF: 8688910.0/68

- sign 213.553+/-0.036 χ^2/NDF: 4545482.0/34

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: -0.038+/-0.073 χ^2/NDF:20.2/17

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

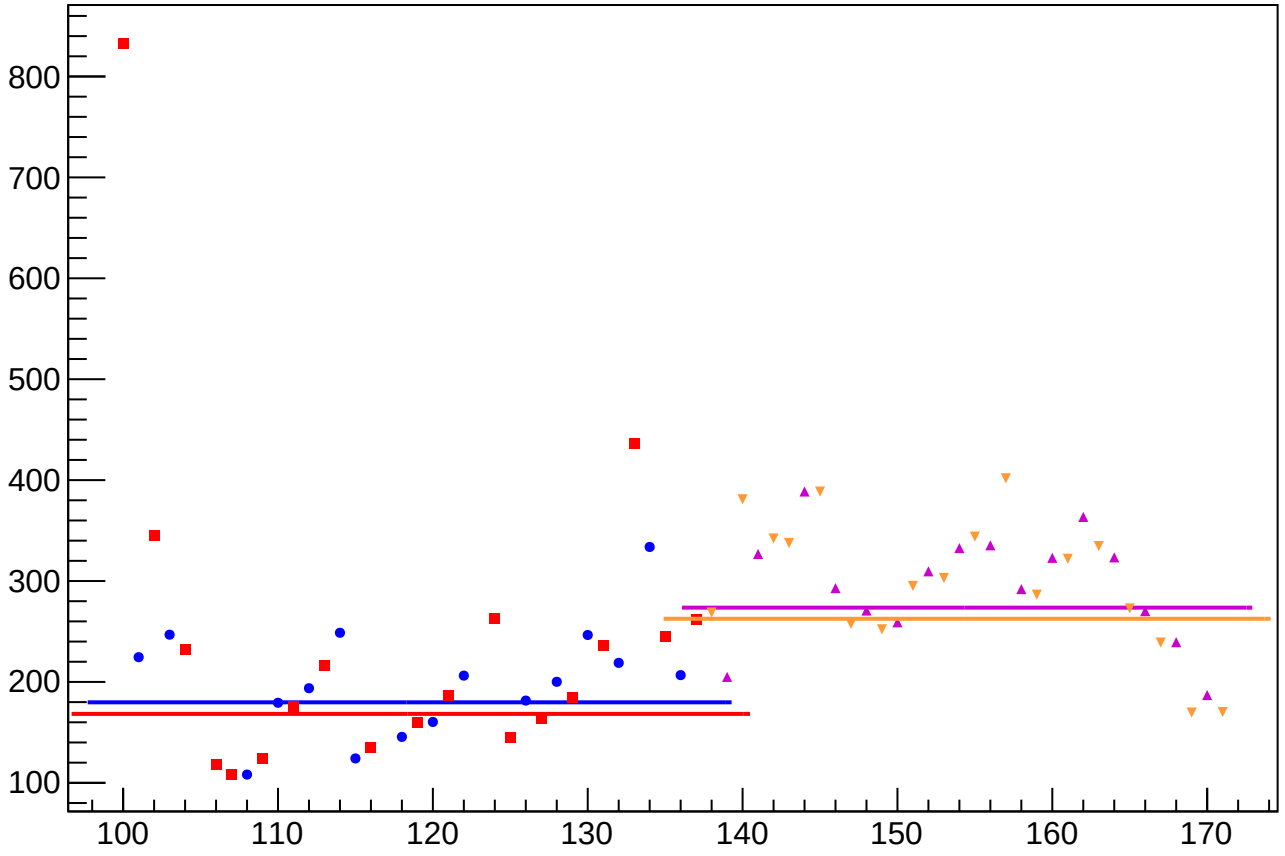
Left In: -0.027+/-0.078 χ^2/NDF:22.2/15

+ sign 0.000+/-0.051 χ^2/NDF: 31.3/33

All: 0.021+/-0.036 χ^2/NDF: 72.8/68

- sign 0.042+/-0.051 χ^2/NDF: 41.3/34

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: 262.596+/-0.052 χ^2/NDF:1877127.5/17

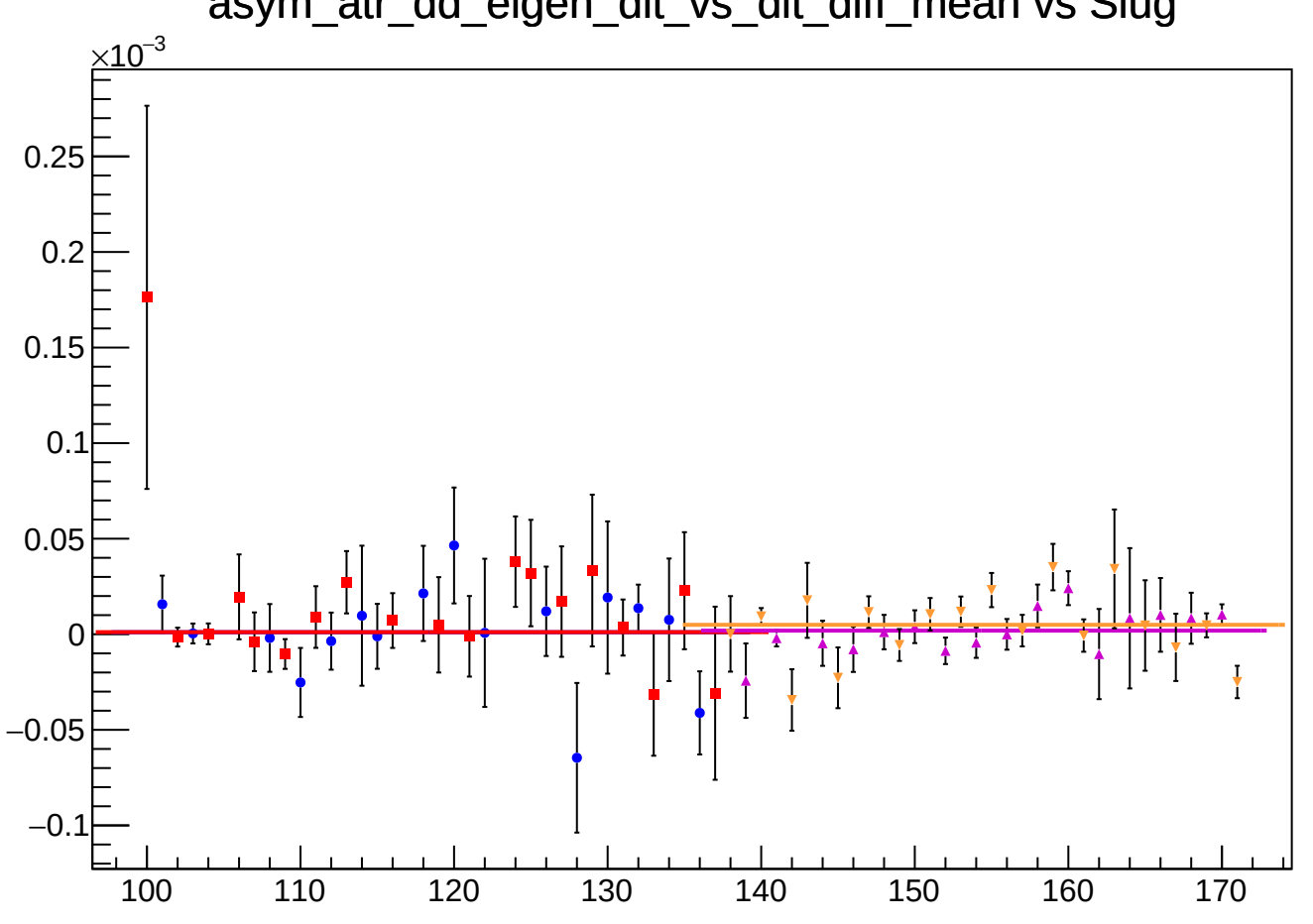
Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 273.625+/-0.055 χ^2/NDF:1054523.2/15

+ sign 219.874+/-0.036 χ^2/NDF: 4128001.9/33

All: 216.738+/-0.025 χ^2/NDF: 8688910.0/68

- sign 213.553+/-0.036 χ^2/NDF: 4545482.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.6/17

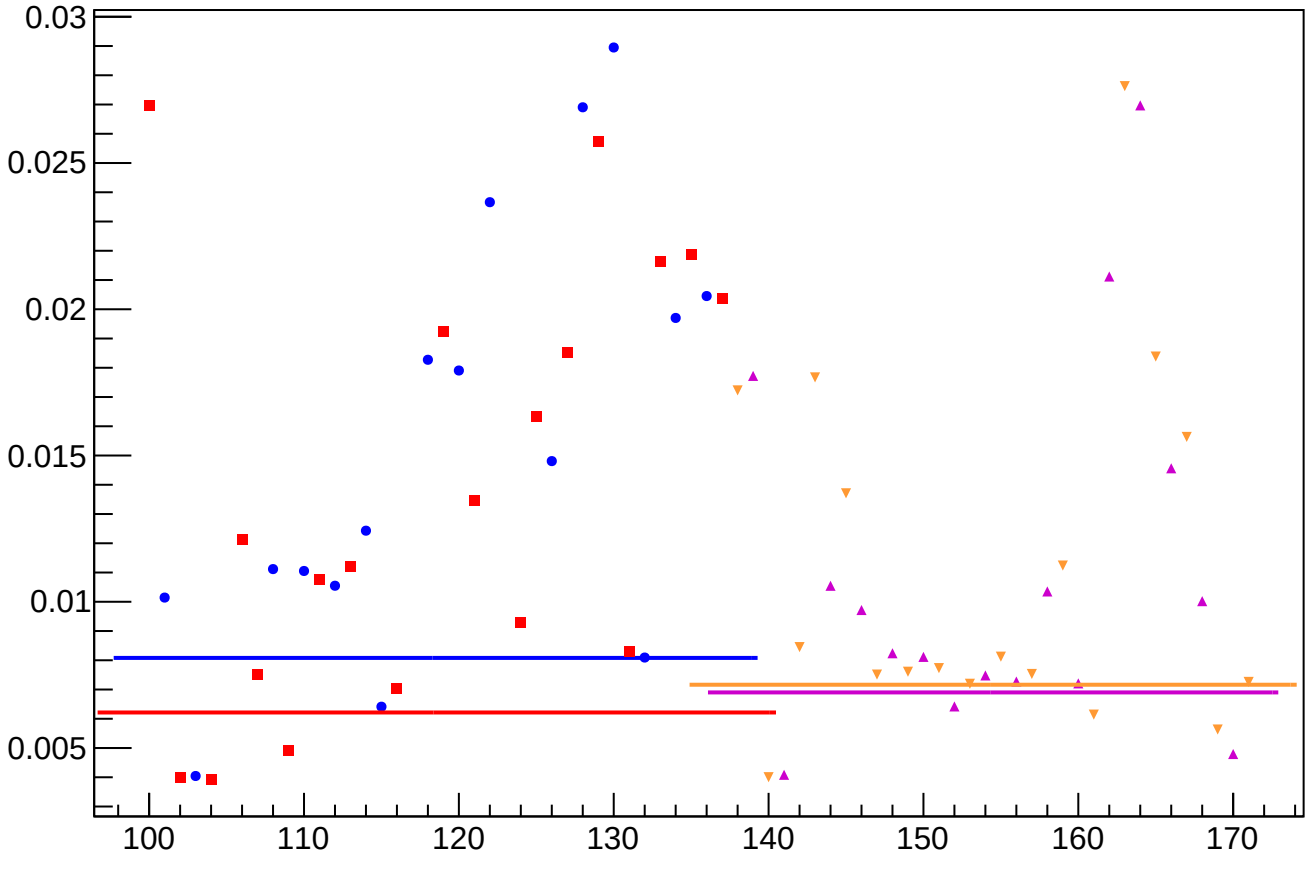
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/33

All: 0.000+/-0.000 χ^2/NDF: 88.2/68

- sign 0.000+/-0.000 χ^2/NDF: 33.5/34



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4691145.0/17

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

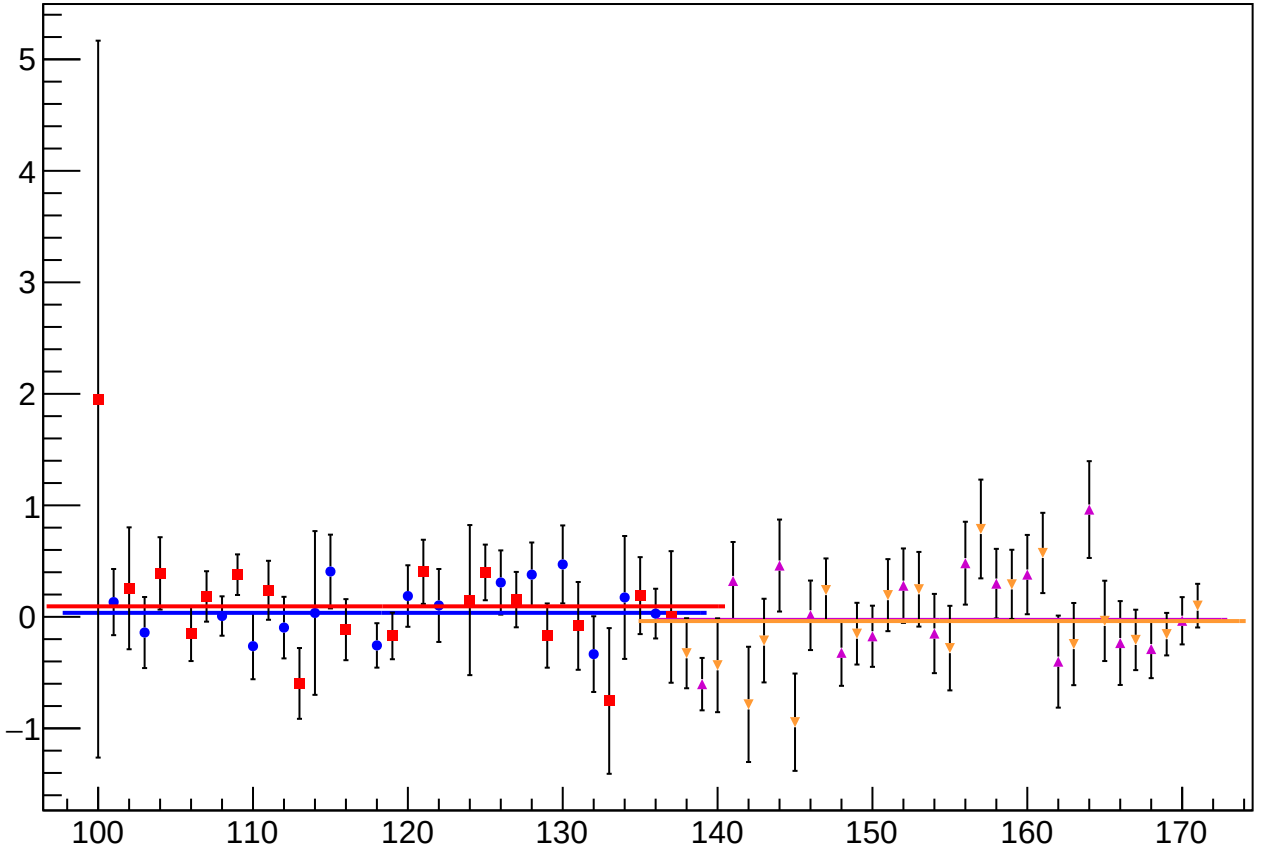
Left In: 0.007+/-0.000 χ^2/NDF:4121408.3/15

+ sign 0.007+/-0.000 χ^2/NDF: 9196088.9/33

All: 0.007+/-0.000 χ^2/NDF: 18127648.5/68

- sign 0.007+/-0.000 χ^2/NDF: 8757086.6/34

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: -0.038+/-0.073 χ^2/NDF:20.2/17

Right Out: 0.094+/-0.068 χ^2/NDF: 17.6/18

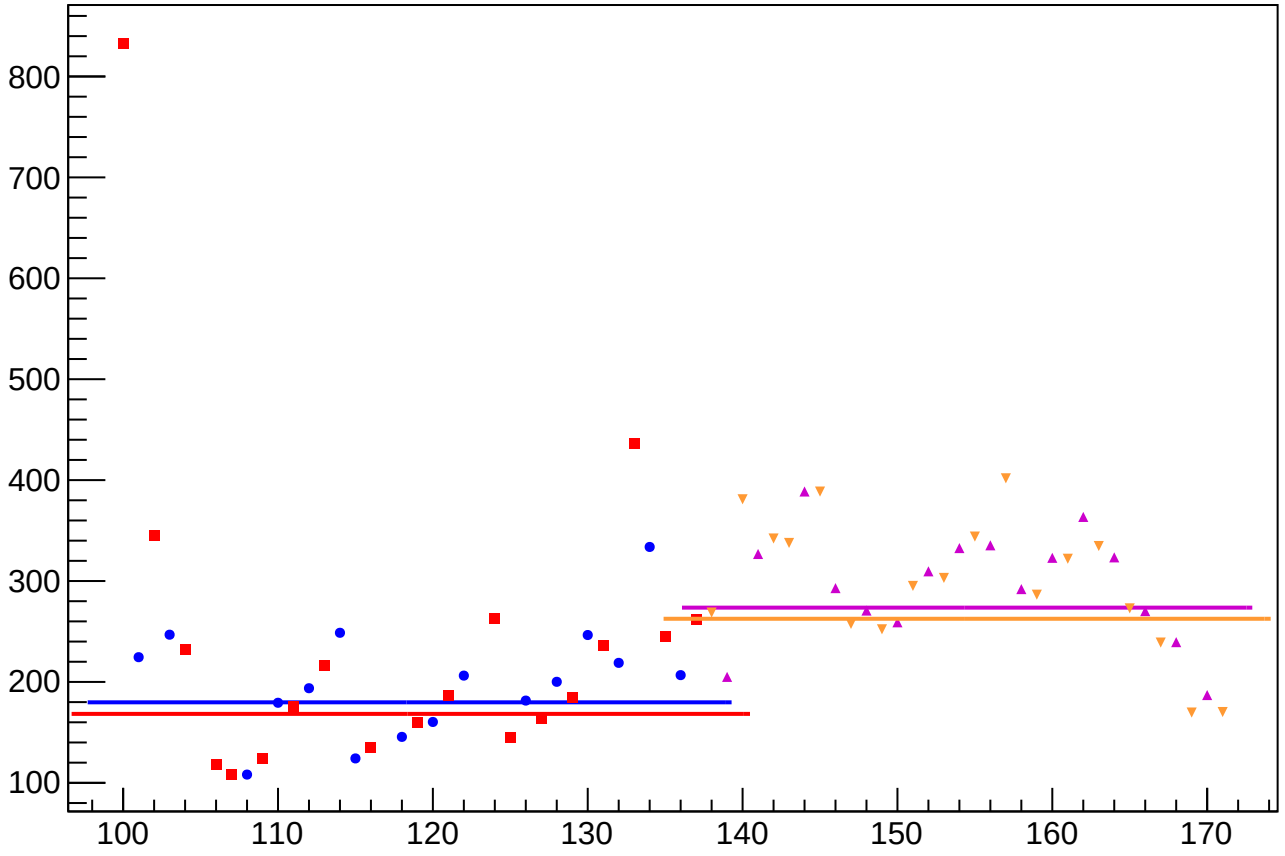
Left In: -0.027+/-0.078 χ^2/NDF:22.2/15

+ sign 0.000+/-0.051 χ^2/NDF: 31.3/33

All: 0.021+/-0.036 χ^2/NDF: 72.8/68

- sign 0.042+/-0.051 χ^2/NDF: 41.3/34

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: 262.598+/-0.052 χ^2/NDF:1877250.4/17

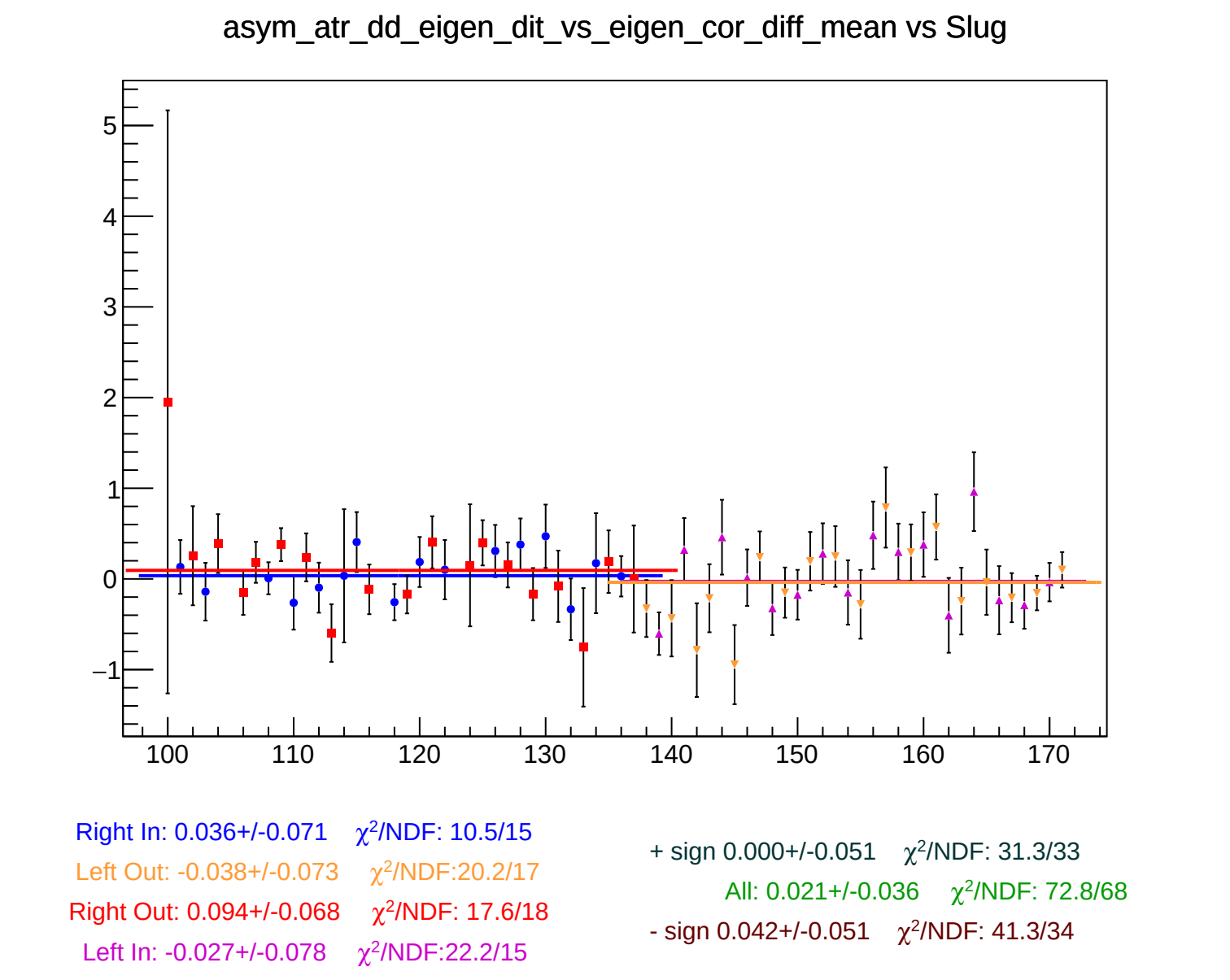
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

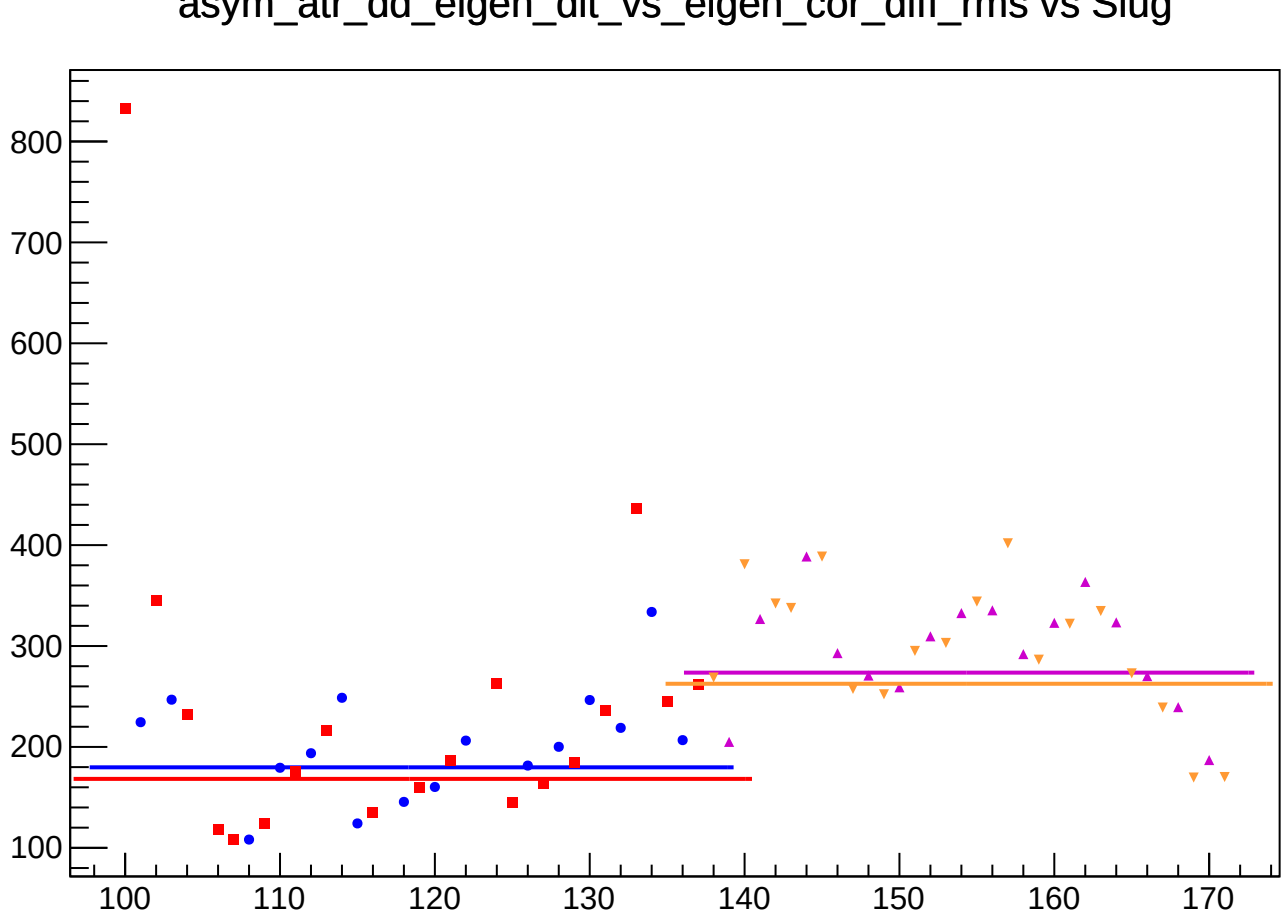
Left In: 273.629+/-0.055 χ^2/NDF:1054538.2/15

+ sign 219.873+/-0.036 χ^2/NDF: 4128315.8/33

All: 216.737+/-0.025 χ^2/NDF: 8689352.5/68

- sign 213.554+/-0.036 χ^2/NDF: 4545621.0/34


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
170
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.038+/-0.073 χ²/NDF:20.2/17
Right Out: 0.094+/-0.068 χ²/NDF: 17.6/18
Left In: -0.027+/-0.078 χ²/NDF:22.2/15
+ sign 0.000+/-0.051 χ²/NDF: 31.3/33
All: 0.021+/-0.036 χ²/NDF: 72.8/68
- sign 0.042+/-0.051 χ²/NDF: 41.3/34



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 262.598+/-0.052 χ^2/NDF:1877250.4/17

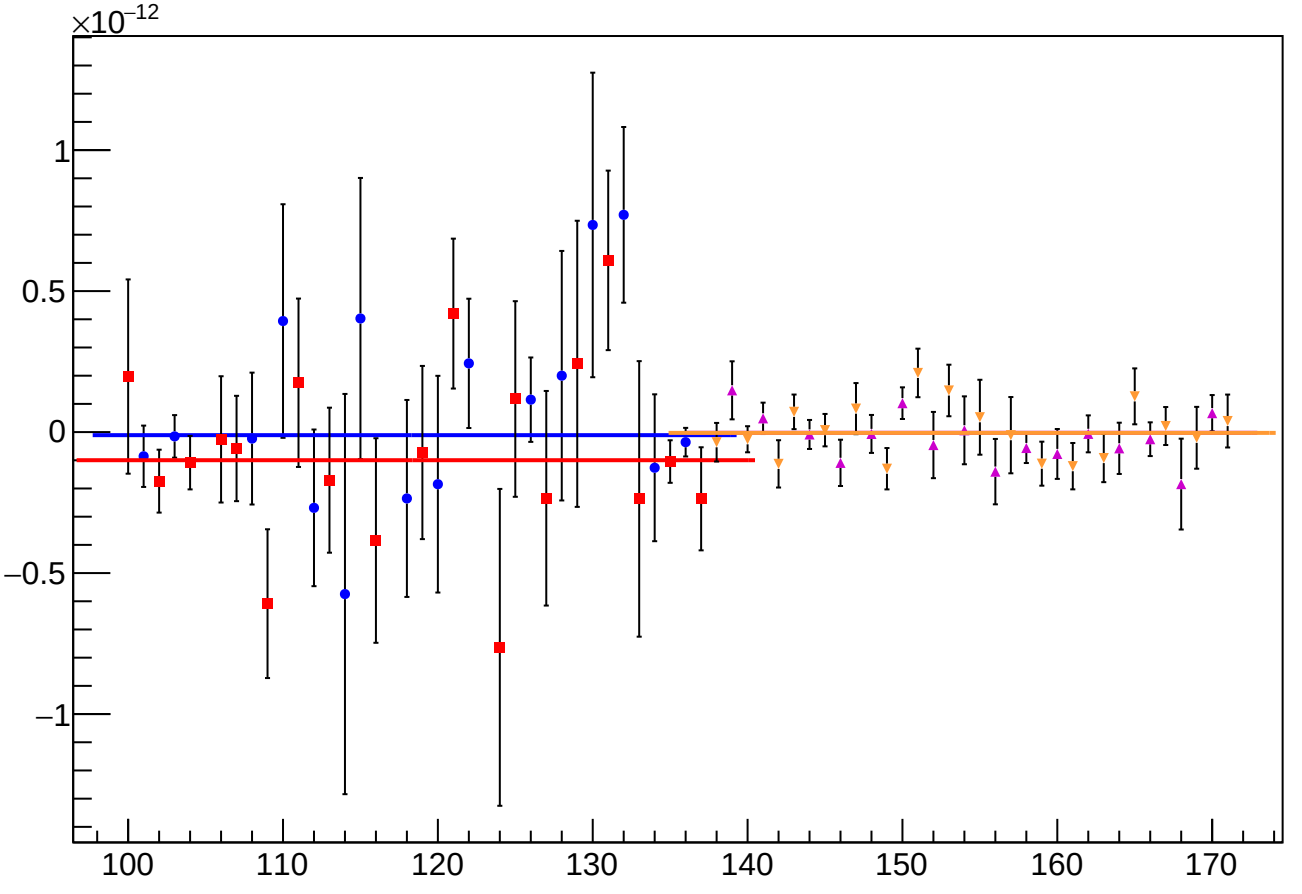
Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 273.629+/-0.055 χ^2/NDF:1054538.2/15

+ sign 219.873+/-0.036 χ^2/NDF: 4128315.8/33

All: 216.737+/-0.025 χ^2/NDF: 8689352.5/68

- sign 213.554+/-0.036 χ^2/NDF: 4545621.0/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/17

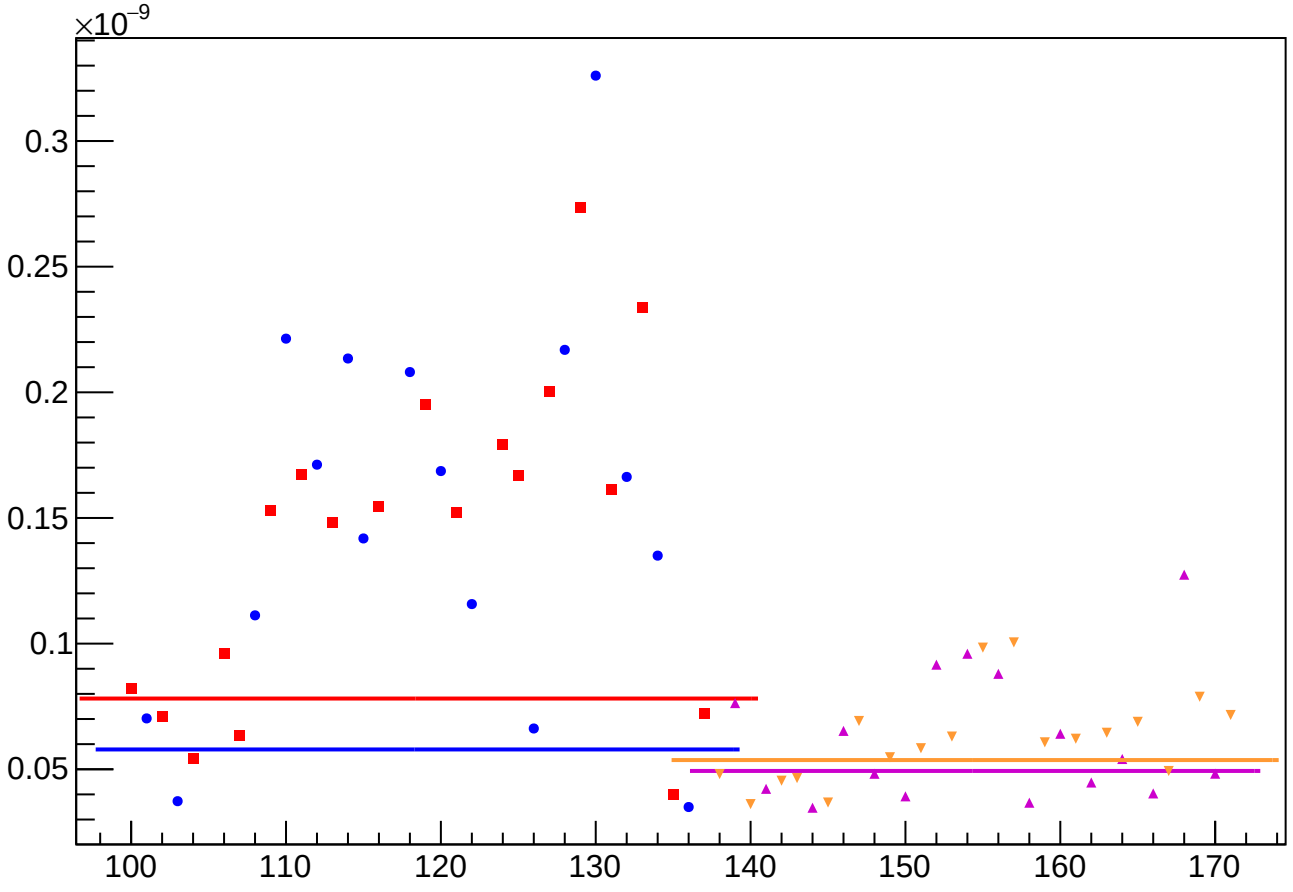
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/33

All: -0.000+/-0.000 χ^2/NDF: 76.5/68

- sign -0.000+/-0.000 χ^2/NDF: 37.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1376739.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

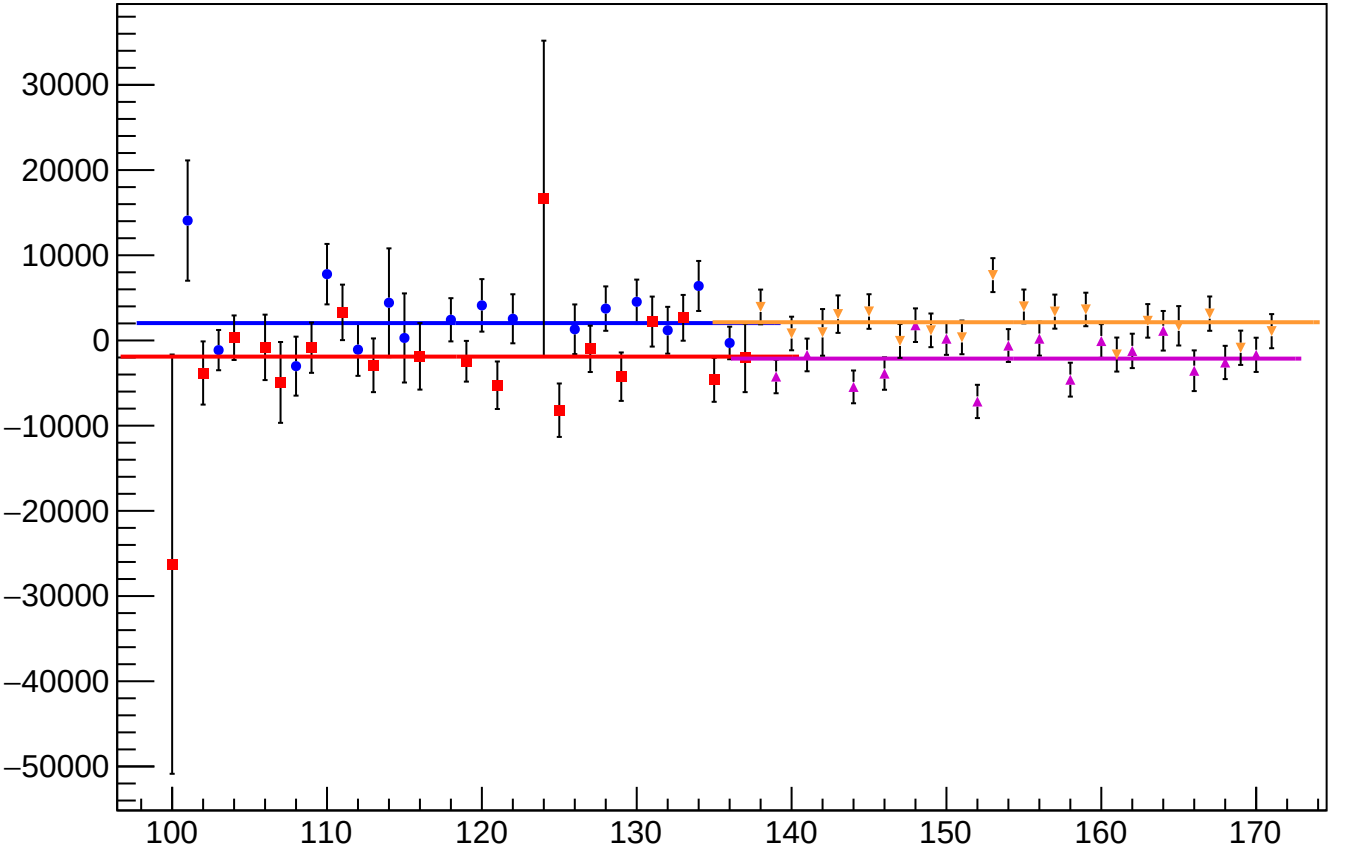
Left In: 0.000+/-0.000 χ^2/NDF:1953469.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 4722403.7/33

All: 0.000+/-0.000 χ^2/NDF: 10201753.8/68

- sign 0.000+/-0.000 χ^2/NDF: 5477125.4/34

reg_asym_at1_avg_mean vs Slug



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.418+/-482.276 χ^2/NDF:20.2/17

Right Out: -1895.242+/-736.762 χ^2/NDF: 18.5/18

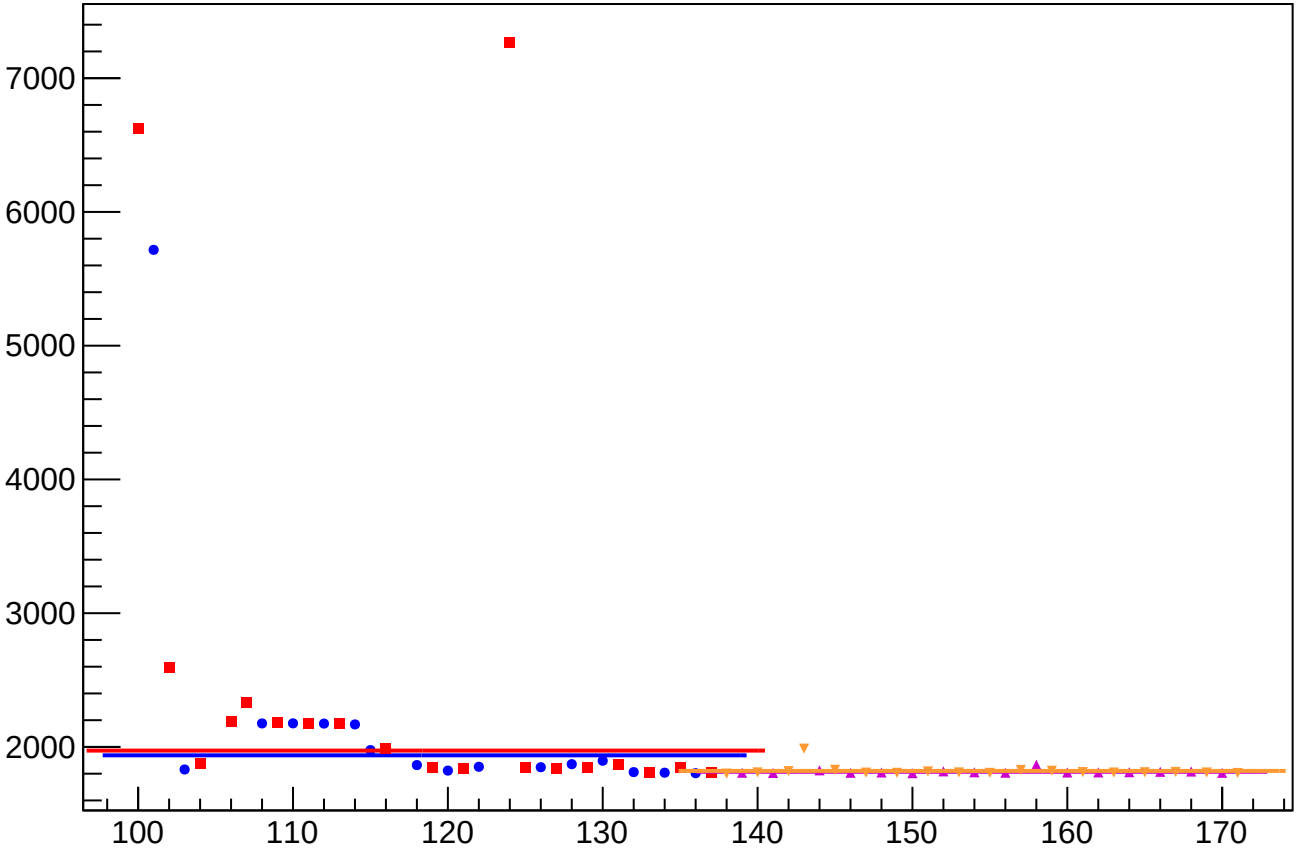
Left In: -2130.315+/-498.950 χ^2/NDF:24.4/15

+ sign 2109.329+/-403.422 χ^2/NDF: 36.7/33

All: 75.971+/-288.633 χ^2/NDF: 131.7/68

- sign -2056.402+/-413.128 χ^2/NDF: 43.0/34

reg_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

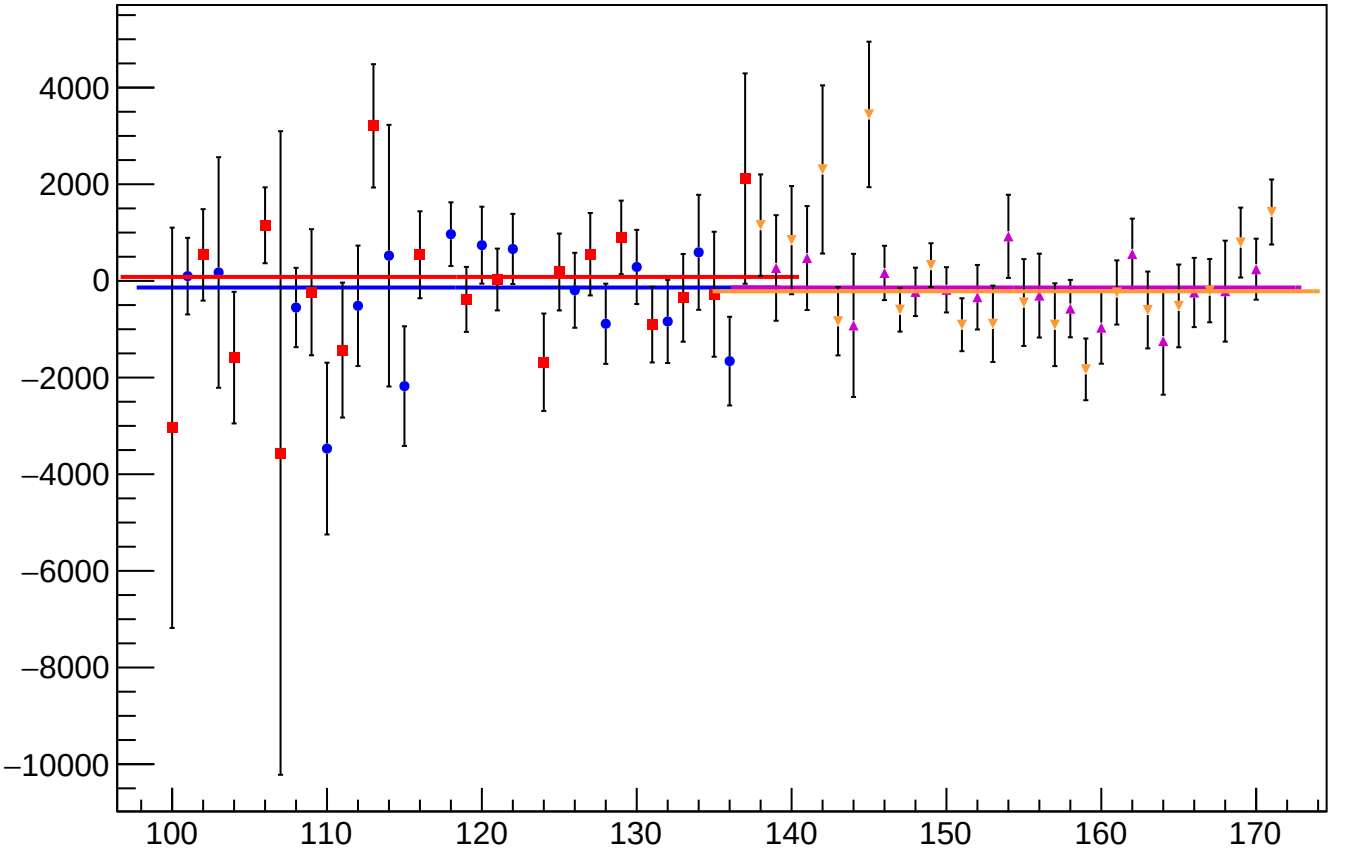
Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

+ sign 1855.757+/-0.285 χ^2/NDF: 685596.8/33

All: 1859.817+/-0.204 χ^2/NDF: 1128785.6/68

- sign 1864.074+/-0.292 χ^2/NDF: 442773.8/34

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -215.041+/-166.862 χ^2/NDF:31.2/17

Right Out: 82.296+/-222.019 χ^2/NDF: 19.7/18

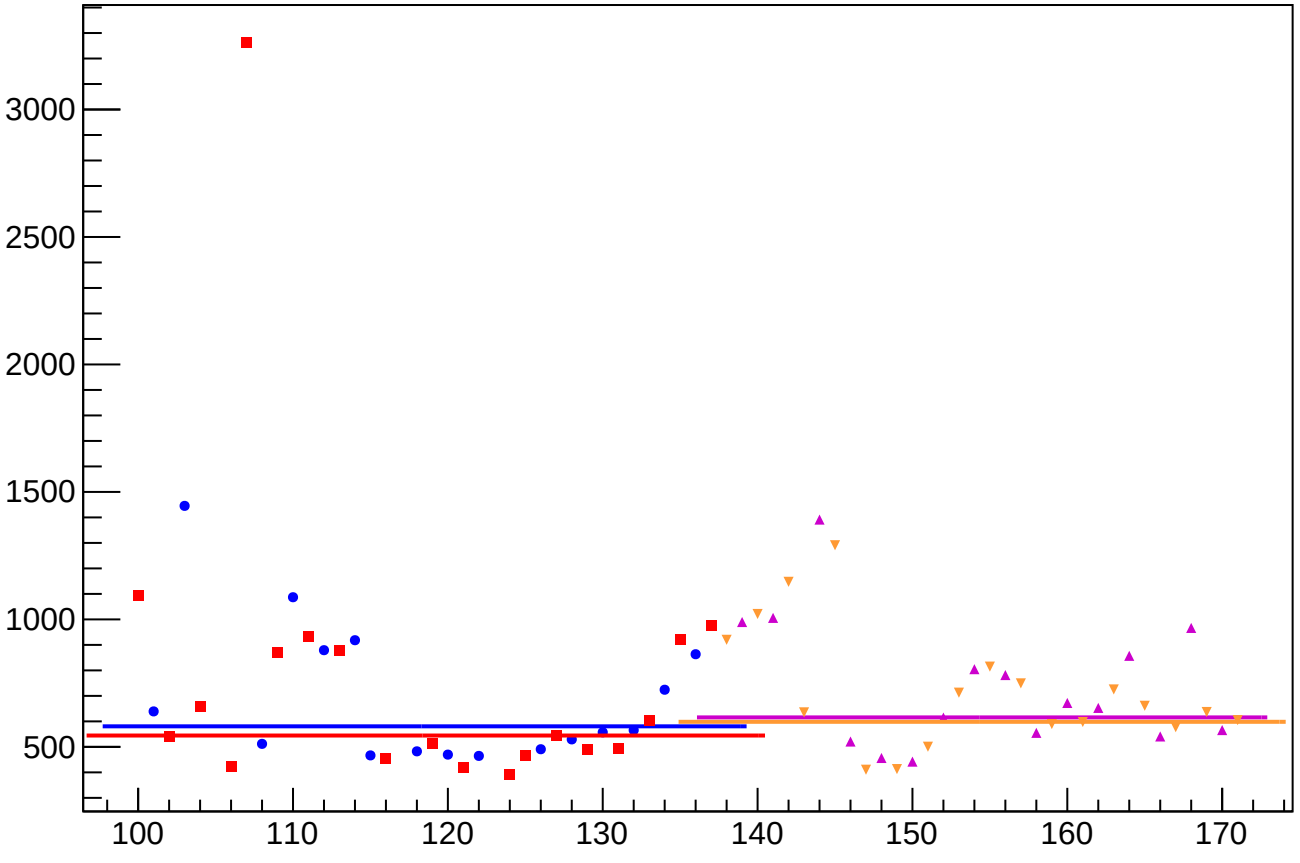
Left In: -136.618+/-178.209 χ^2/NDF:6.8/15

+ sign -188.073+/-135.149 χ^2/NDF: 48.2/33

All: -121.372+/-96.890 χ^2/NDF: 75.8/68

- sign -50.840+/-138.976 χ^2/NDF: 27.1/34

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 598.327+/-0.118 χ^2/NDF:2136278.0/17

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

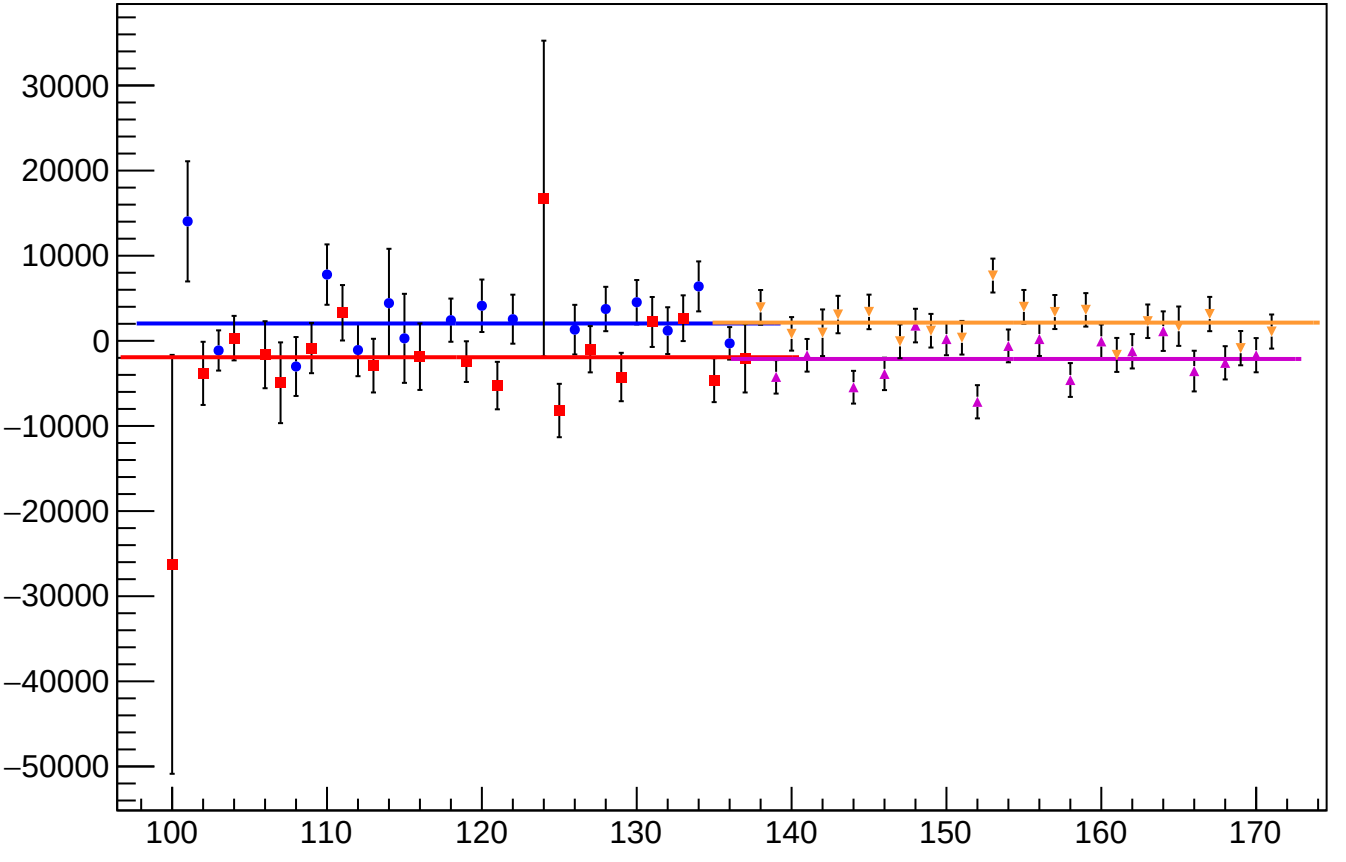
Left In: 615.612+/-0.126 χ^2/NDF:2142366.2/15

+ sign 592.233+/-0.096 χ^2/NDF: 3147444.4/33

All: 590.059+/-0.069 χ^2/NDF: 6703195.5/68

- sign 587.760+/-0.098 χ^2/NDF: 3554686.1/34

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.396+/-482.276 χ^2/NDF:20.2/17

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

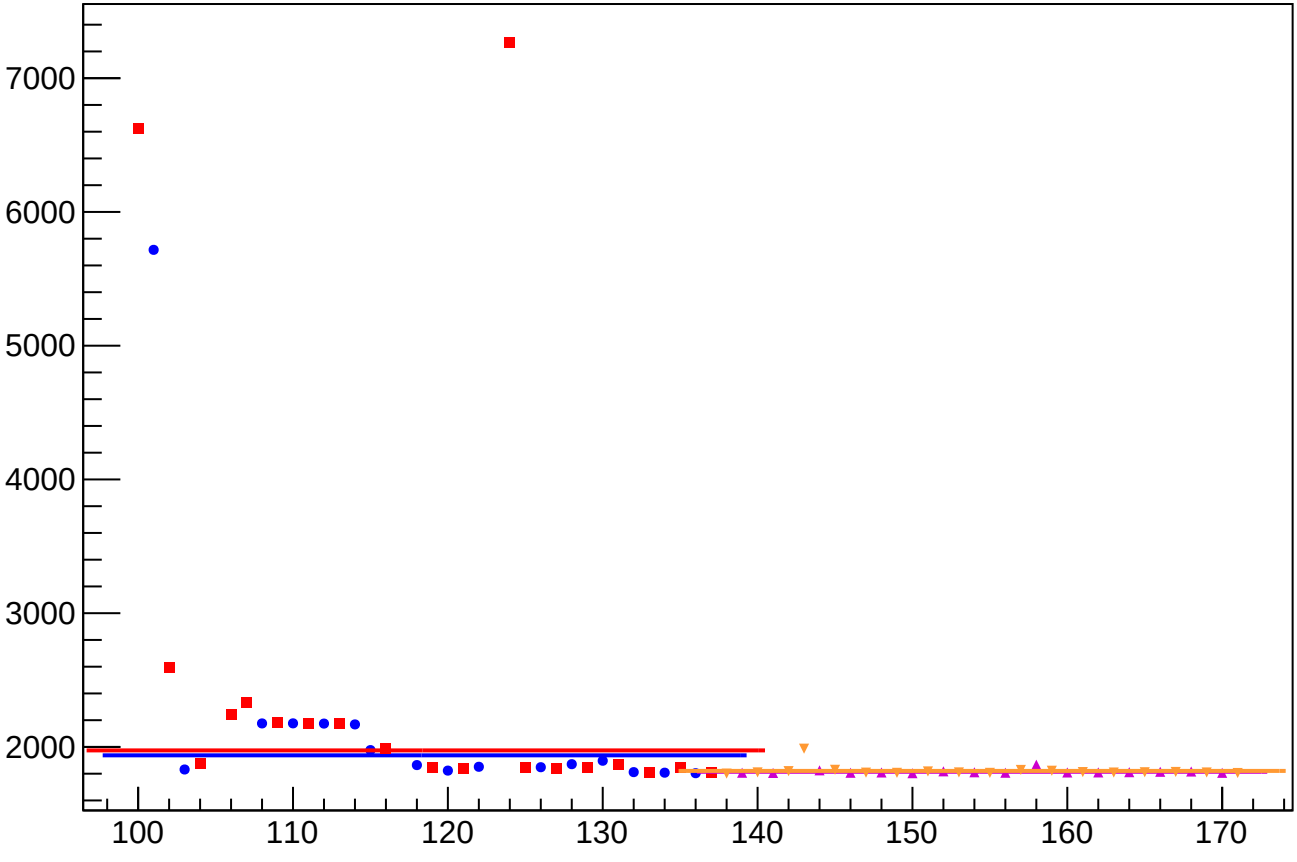
Left In: -2130.364+/-498.950 χ^2/NDF:24.4/15

+ sign 2109.203+/-403.422 χ^2/NDF: 36.6/33

All: 71.668+/-288.672 χ^2/NDF: 131.8/68

- sign -2066.267+/-413.242 χ^2/NDF: 42.9/34

cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

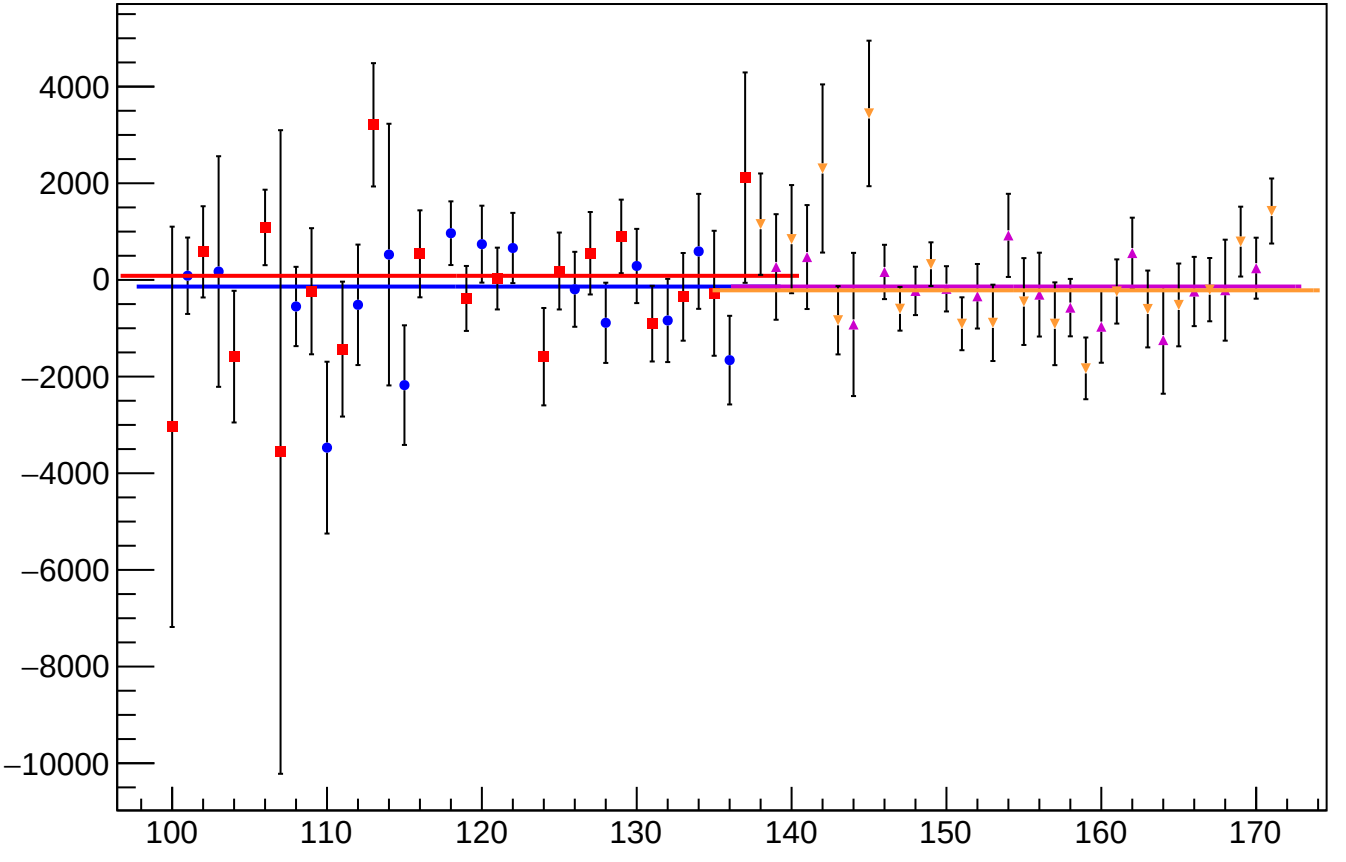
Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

+ sign 1855.757+/-0.285 χ^2/NDF: 685596.7/33

All: 1860.000+/-0.204 χ^2/NDF: 1132761.5/68

- sign 1864.452+/-0.292 χ^2/NDF: 446711.3/34

asym_at1_avg_cor_correction_mean vs Slug



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.091+/-166.862 χ^2/NDF:31.2/17

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

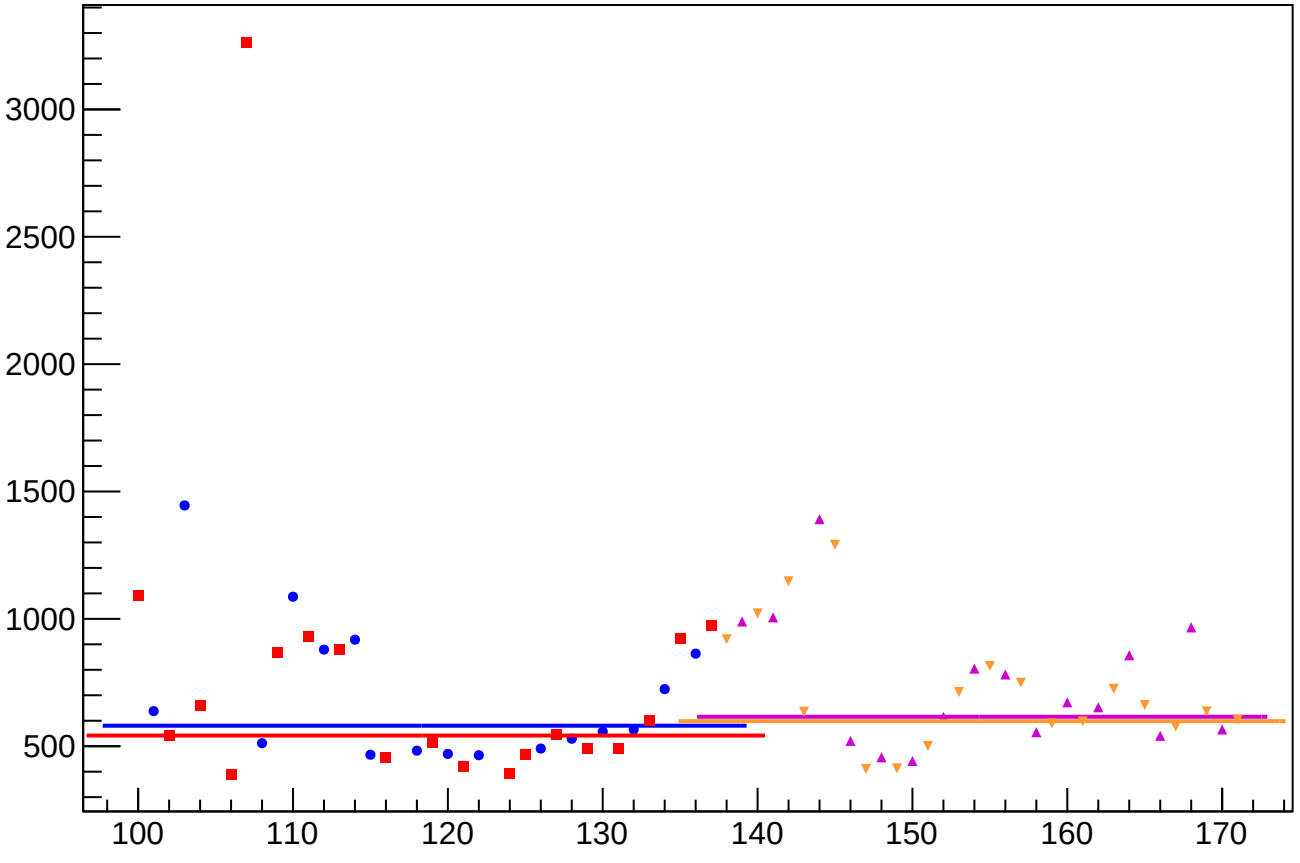
Left In: -136.609+/-178.210 χ^2/NDF:6.8/15

+ sign -188.390+/-135.139 χ^2/NDF: 48.2/33

All: -120.984+/-96.875 χ^2/NDF: 75.3/68

- sign -49.729+/-138.943 χ^2/NDF: 26.7/34

asym_at1_avg_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 598.325+/-0.118 χ^2/NDF:2136399.9/17

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

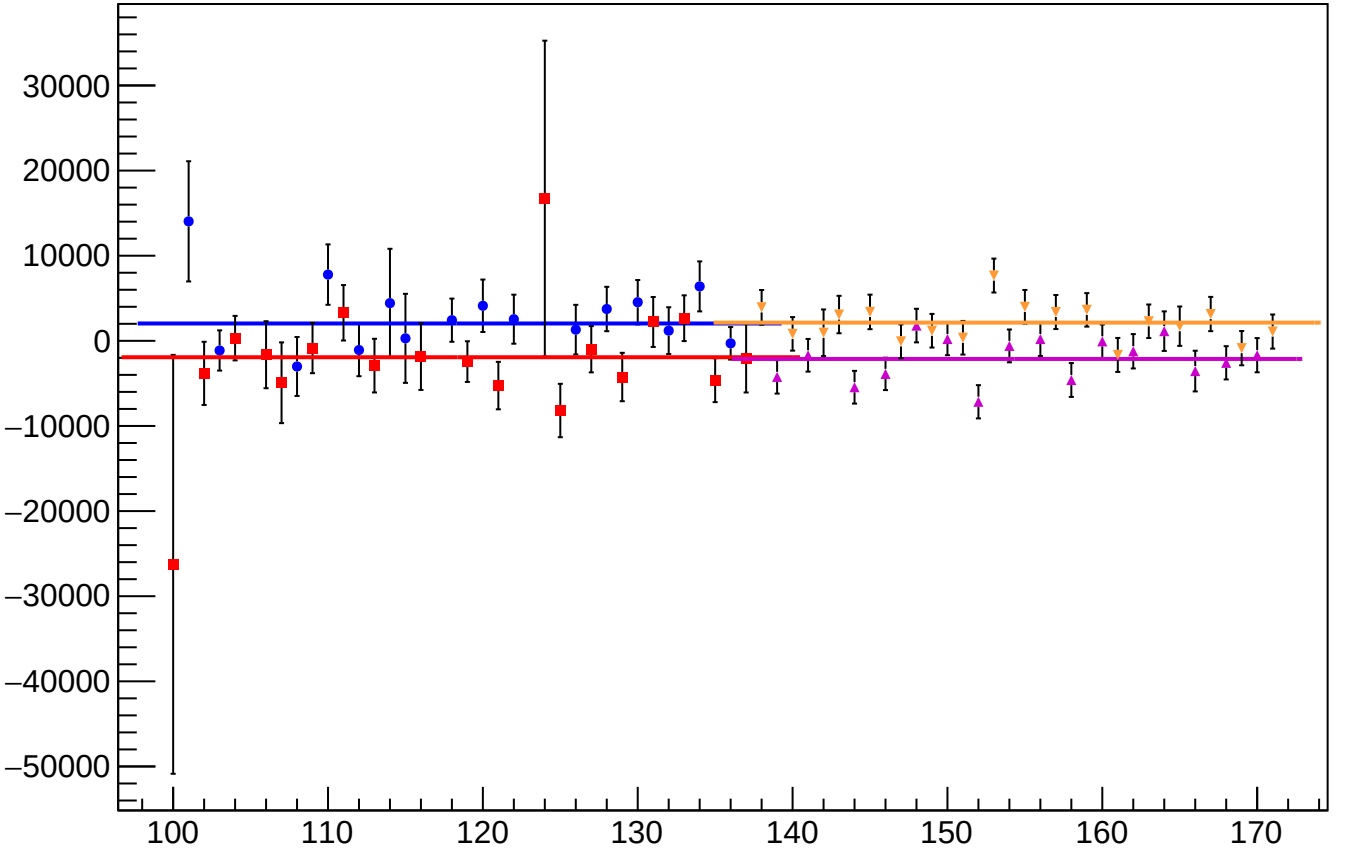
Left In: 615.614+/-0.126 χ^2/NDF:2142428.7/15

+ sign 592.198+/-0.096 χ^2/NDF: 3147137.4/33

All: 589.537+/-0.069 χ^2/NDF: 6744055.7/68

- sign 586.724+/-0.098 χ^2/NDF: 3595322.6/34

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.396+/-482.276 χ^2/NDF:20.2/17

Right Out: -1926.264+/-737.411 χ^2/NDF: 18.4/18

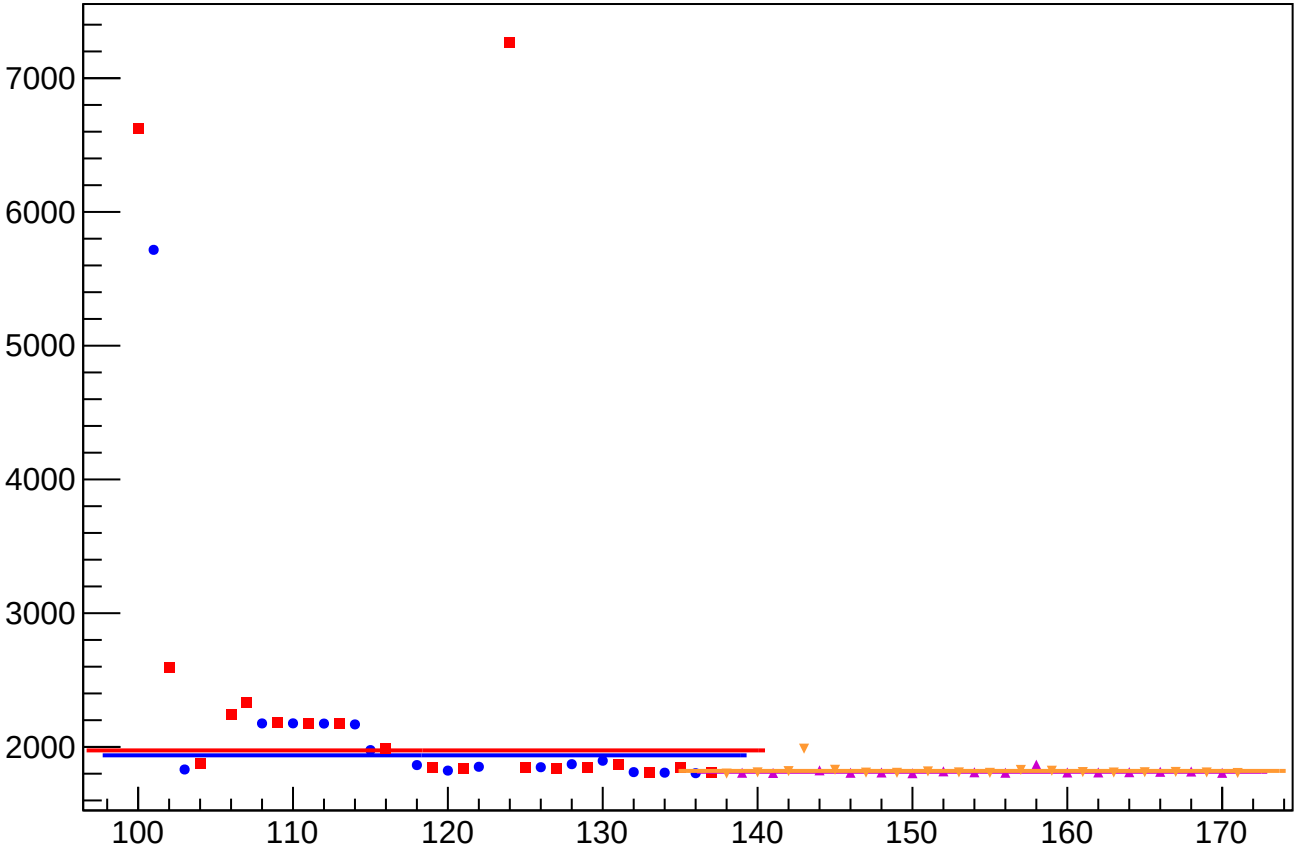
Left In: -2130.364+/-498.950 χ^2/NDF:24.4/15

+ sign 2109.203+/-403.422 χ^2/NDF: 36.6/33

All: 71.668+/-288.672 χ^2/NDF: 131.8/68

- sign -2066.267+/-413.242 χ^2/NDF: 42.9/34

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

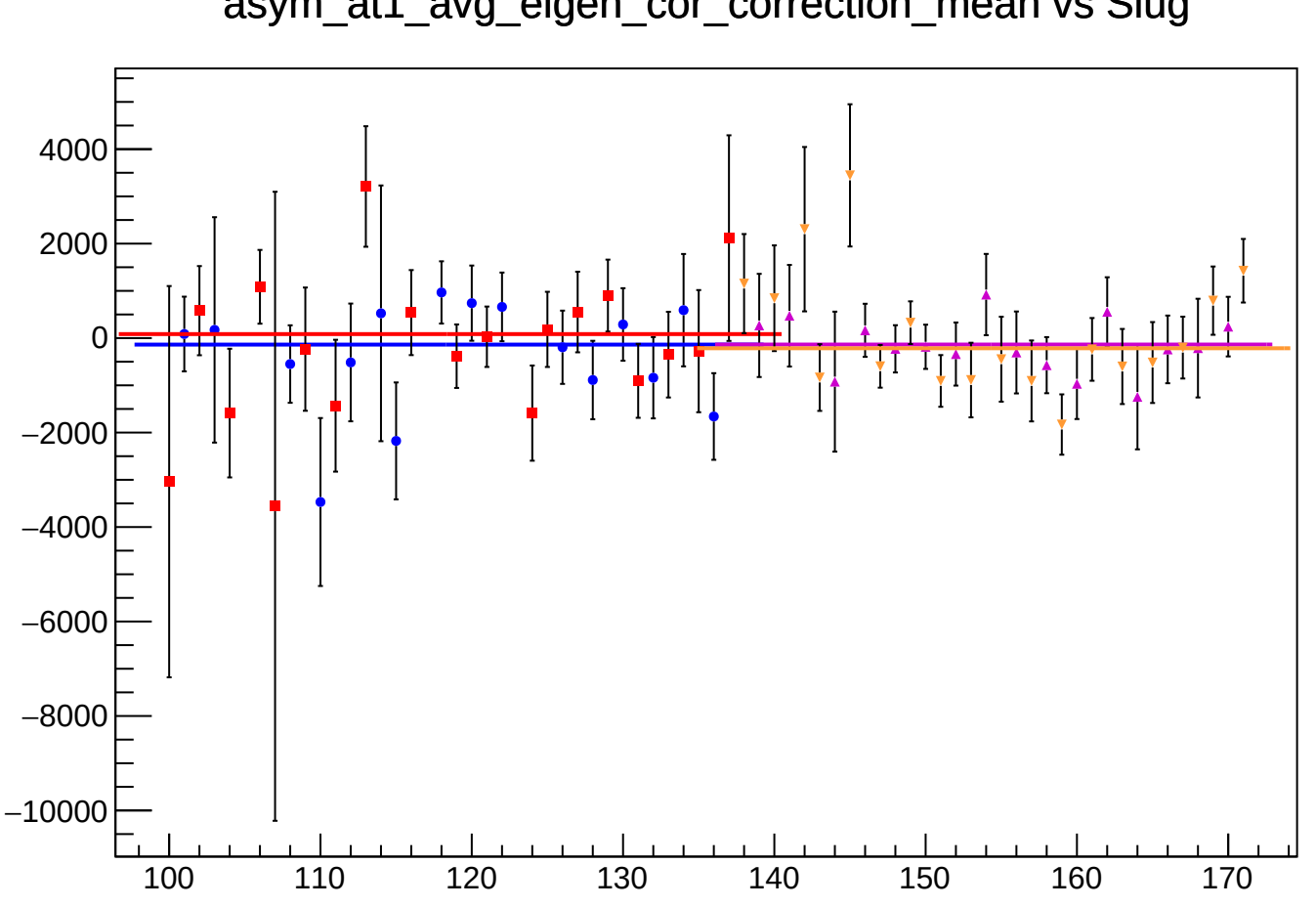
Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.228+/-0.353 χ^2/NDF:1752.3/15

+ sign 1855.757+/-0.285 χ^2/NDF: 685596.7/33

All: 1860.000+/-0.204 χ^2/NDF: 1132761.5/68

- sign 1864.452+/-0.292 χ^2/NDF: 446711.3/34



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.091+/-166.862 χ^2/NDF:31.2/17

Right Out: 84.947+/-221.881 χ^2/NDF: 19.3/18

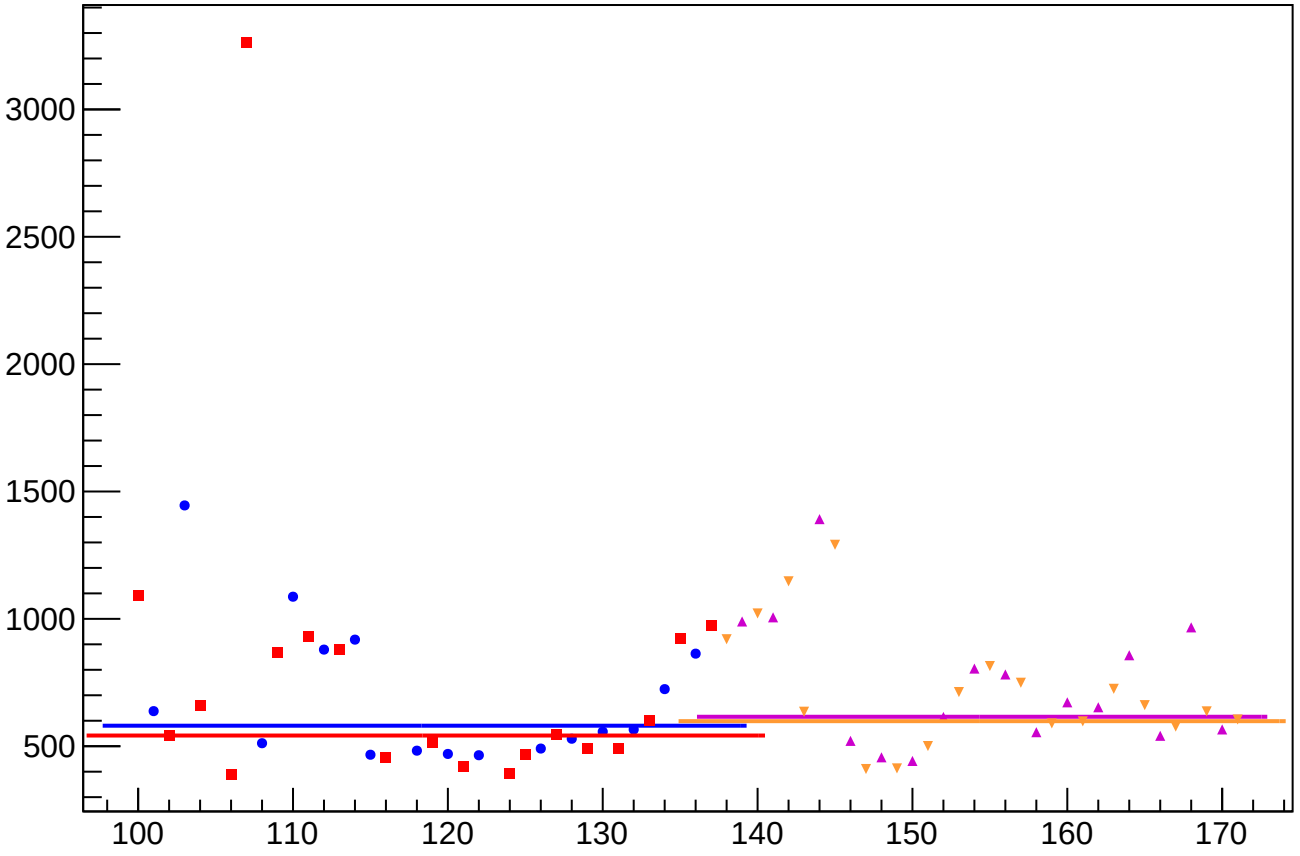
Left In: -136.609+/-178.210 χ^2/NDF:6.8/15

+ sign -188.390+/-135.139 χ^2/NDF: 48.2/33

All: -120.984+/-96.875 χ^2/NDF: 75.3/68

- sign -49.729+/-138.943 χ^2/NDF: 26.7/34

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 598.325+/-0.118 χ^2/NDF:2136399.9/17

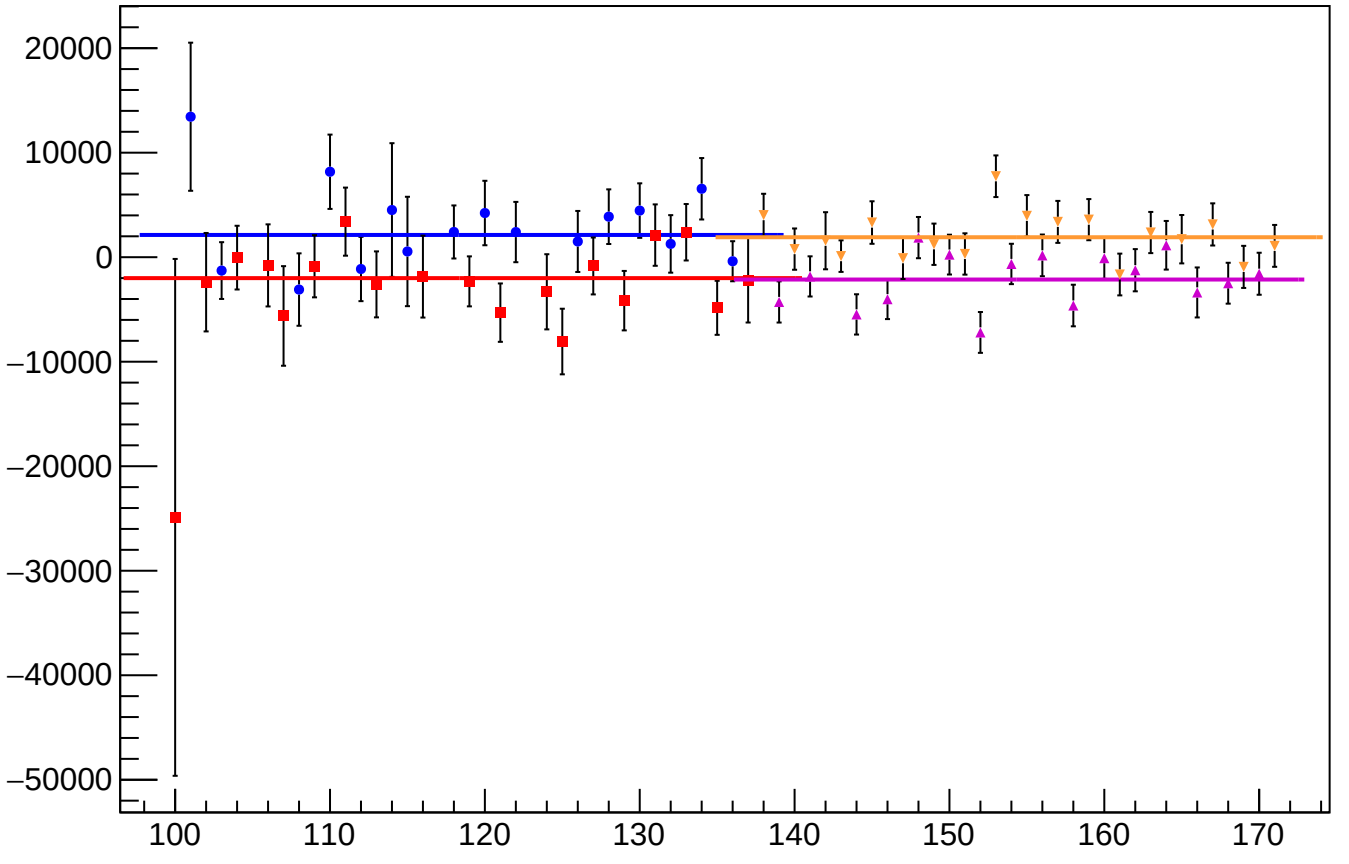
Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 615.614+/-0.126 χ^2/NDF:2142428.7/15

+ sign 592.198+/-0.096 χ^2/NDF: 3147137.4/33

All: 589.537+/-0.069 χ^2/NDF: 6744055.7/68

- sign 586.724+/-0.098 χ^2/NDF: 3595322.6/34



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1909.896+/-470.240 χ^2/NDF:21.8/17

Right Out: -2002.220+/-737.195 χ^2/NDF: 16.7/18

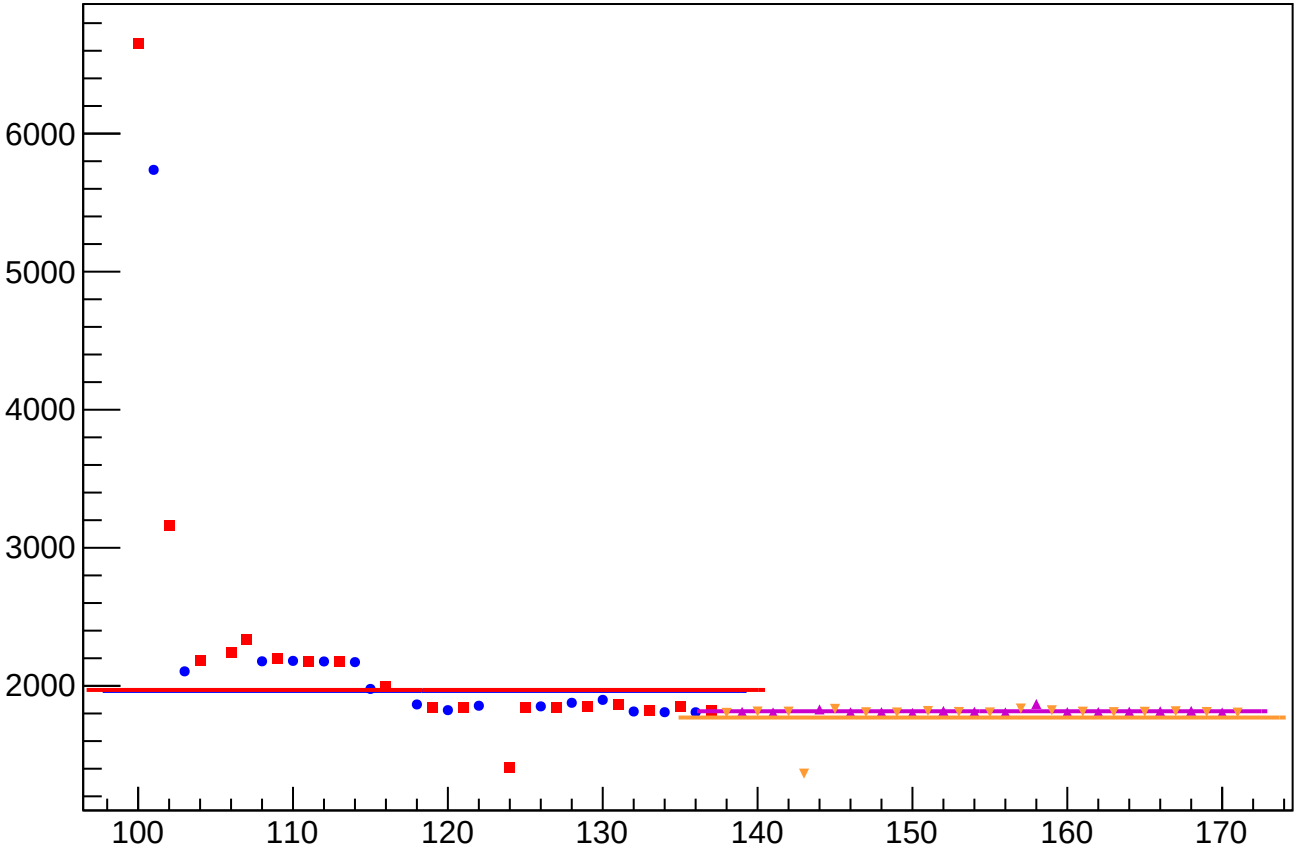
Left In: -2137.125+/-499.500 χ^2/NDF:24.7/15

+ sign 1972.099+/-397.840 χ^2/NDF: 38.4/33

All: 17.259+/-286.697 χ^2/NDF: 130.1/68

- sign -2094.678+/-413.517 χ^2/NDF: 41.5/34

dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1770.661+/-0.333 χ^2/NDF:161091.7/17

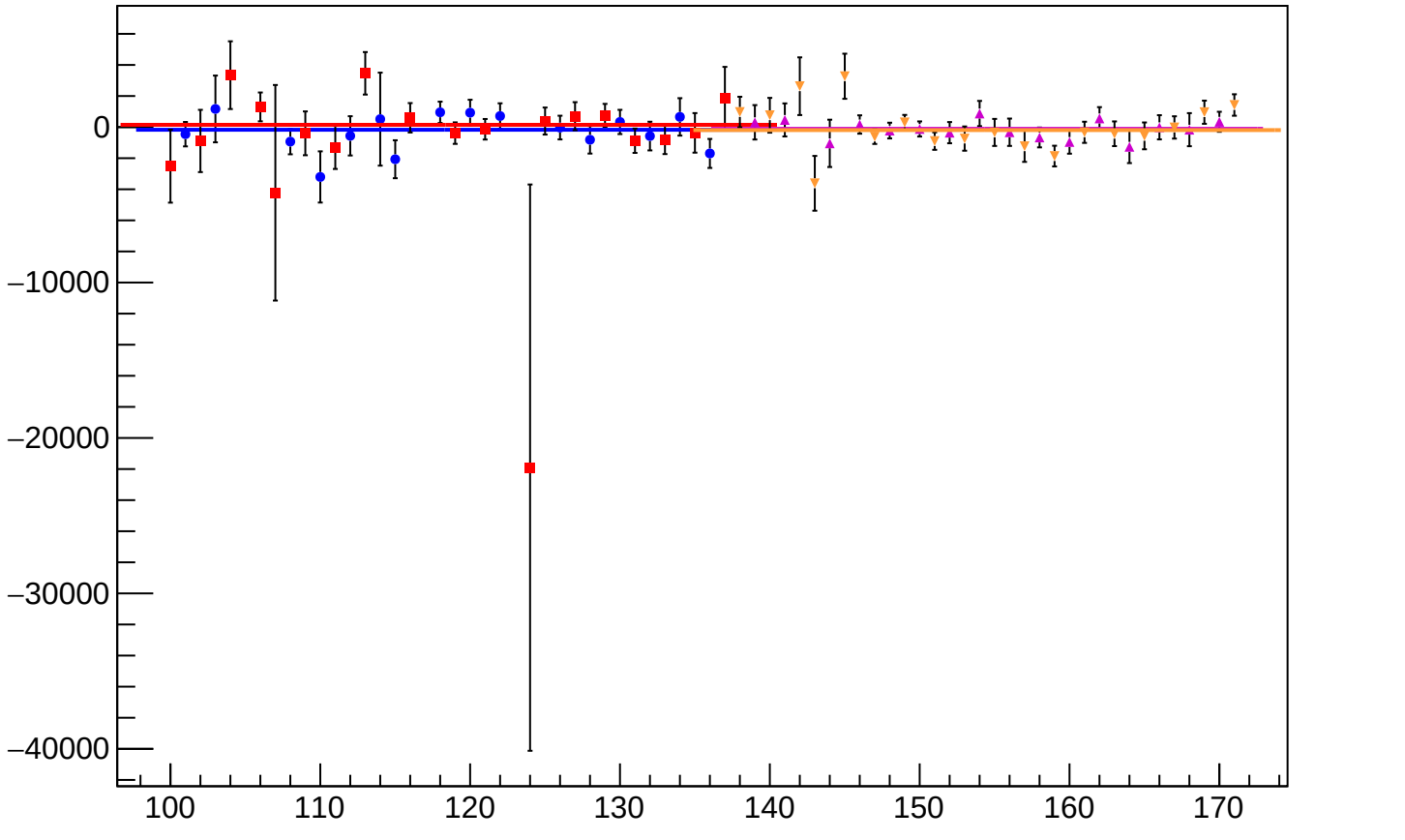
Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.208+/-0.353 χ^2/NDF:1797.8/15

+ sign 1825.446+/-0.281 χ^2/NDF: 896856.9/33

All: 1844.336+/-0.203 χ^2/NDF: 1313179.2/68

- sign 1864.743+/-0.292 χ^2/NDF: 406942.6/34



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.084+/-176.633 χ^2/NDF:33.5/17

Right Out: 147.489+/-242.848 χ^2/NDF: 20.1/18

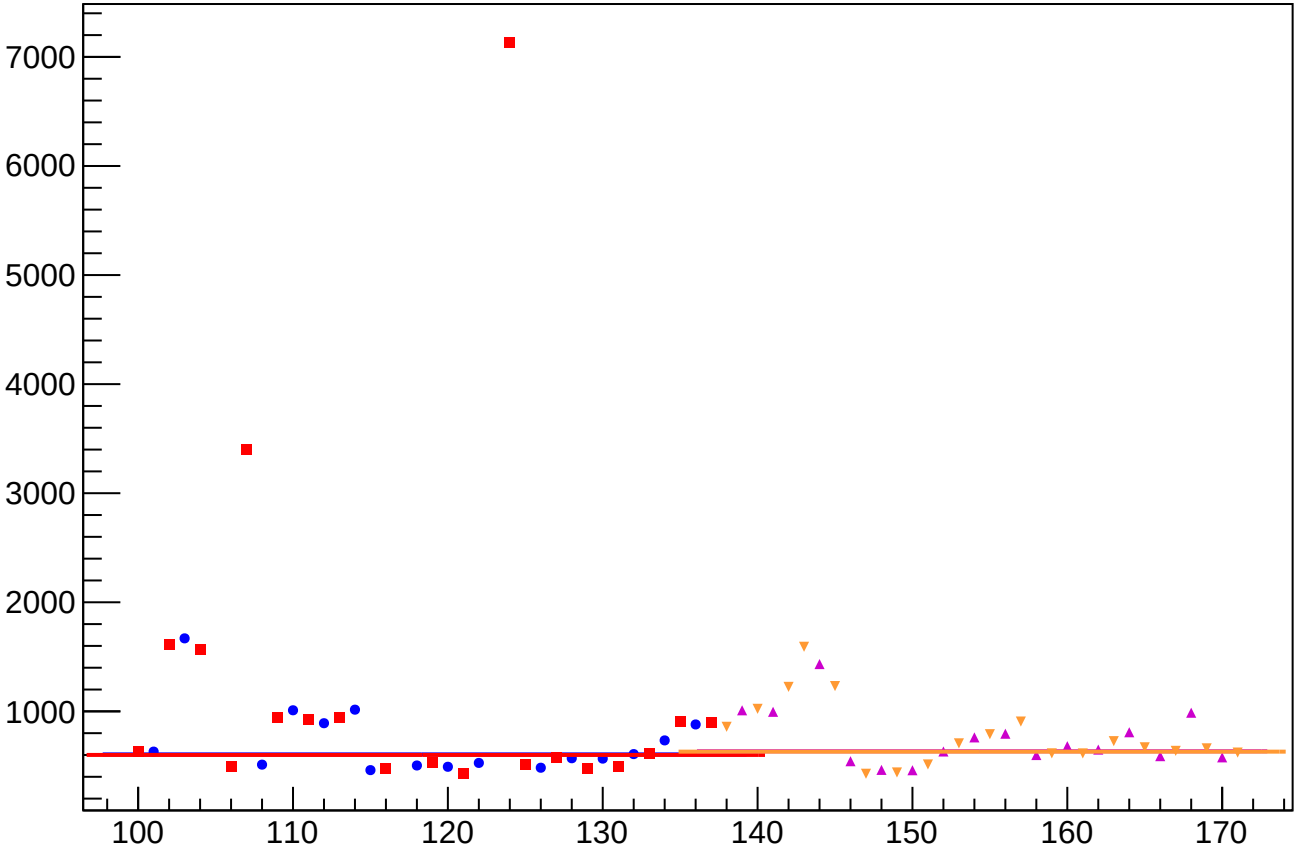
Left In: -110.578+/-182.408 χ^2/NDF:7.3/15

+ sign -184.471+/-141.607 χ^2/NDF: 50.7/33

All: -103.446+/-101.598 χ^2/NDF: 79.6/68

- sign -17.496+/-145.848 χ^2/NDF: 28.2/34

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 630.593+/-0.125 χ^2/NDF:2546496.8/17

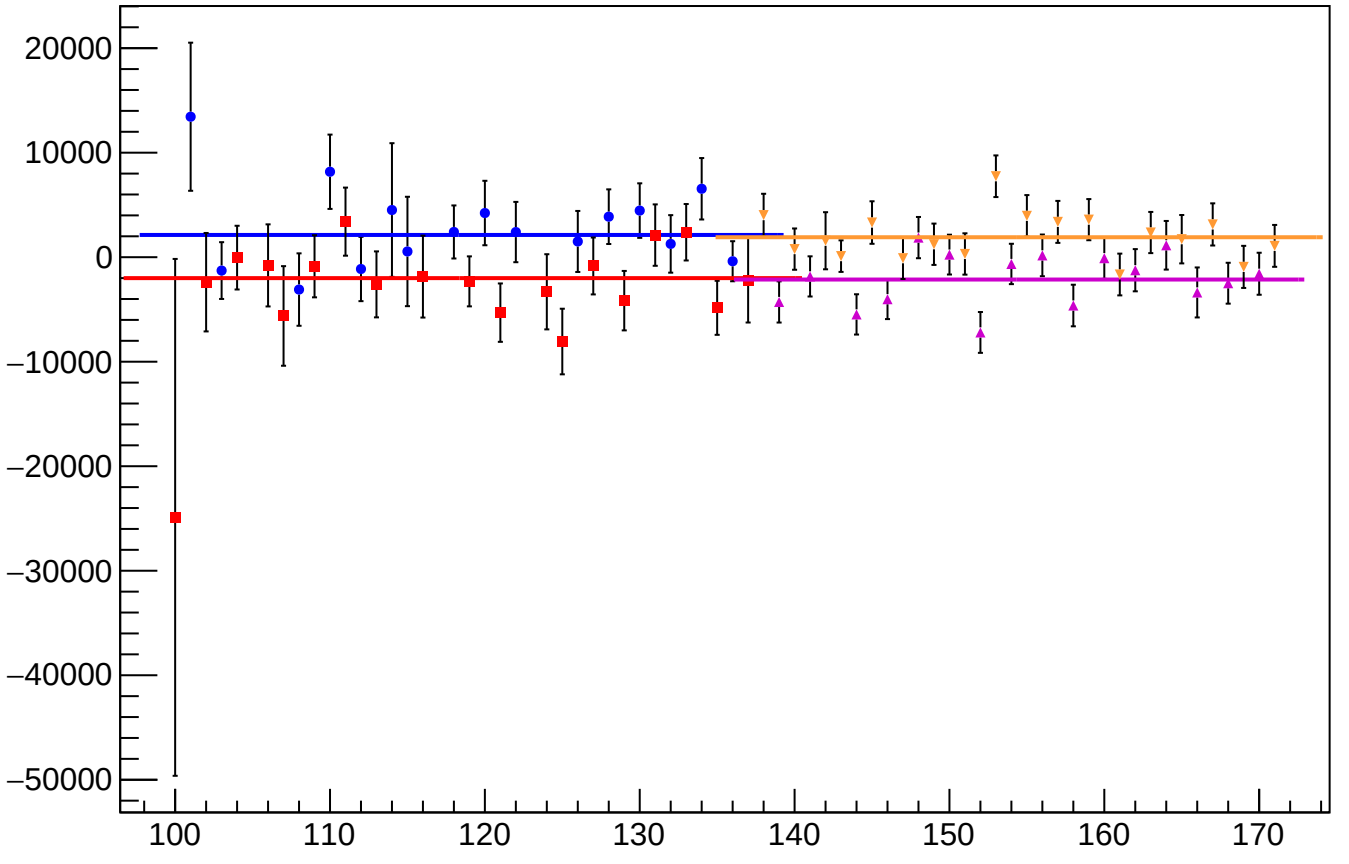
Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 633.971+/-0.129 χ^2/NDF:1972006.2/15

+ sign 621.603+/-0.100 χ^2/NDF: 3723453.0/33

All: 621.737+/-0.072 χ^2/NDF: 8048352.9/68

- sign 621.879+/-0.103 χ^2/NDF: 4324896.2/34



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1909.897+/-470.240 χ^2/NDF:21.8/17

Right Out: -2002.218+/-737.195 χ^2/NDF: 16.7/18

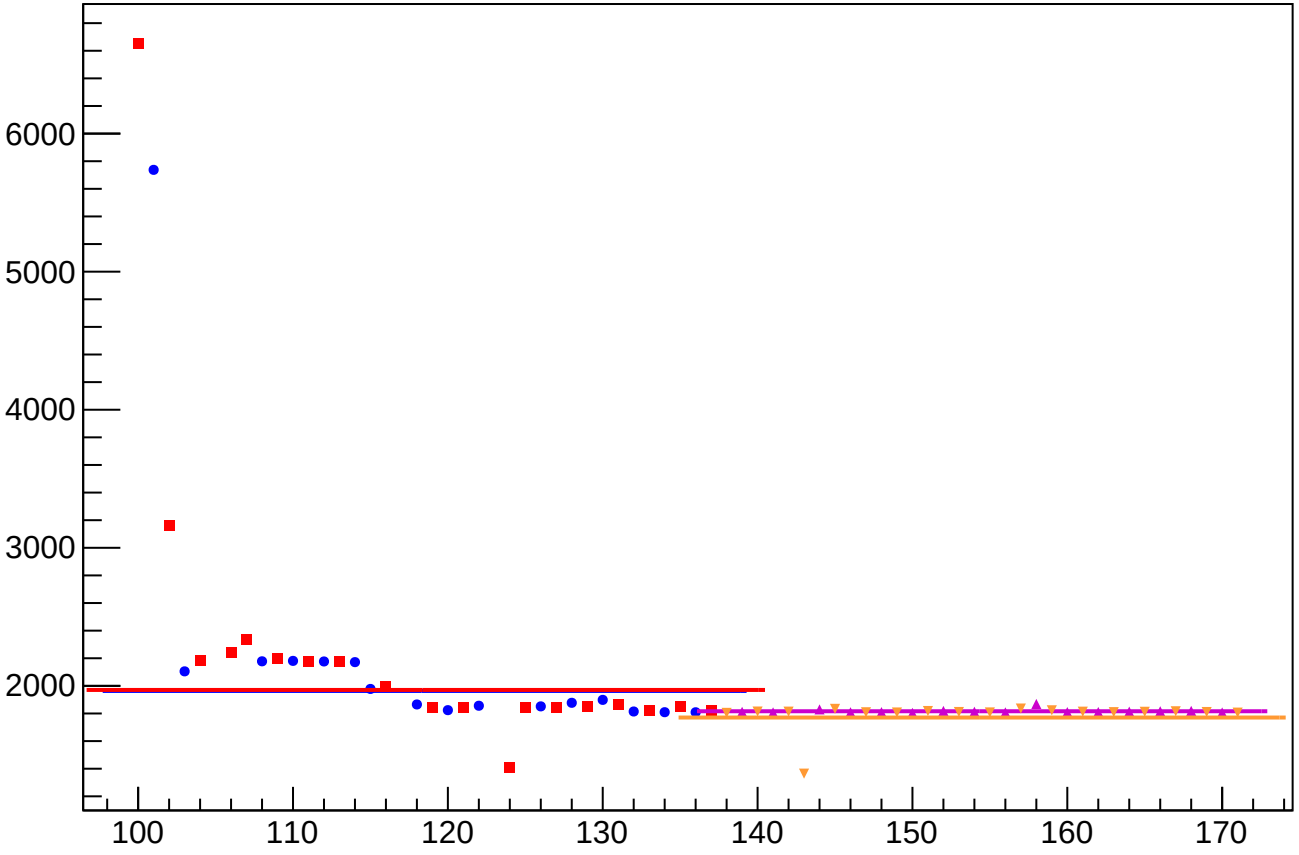
Left In: -2137.125+/-499.500 χ^2/NDF:24.7/15

+ sign 1972.099+/-397.840 χ^2/NDF: 38.4/33

All: 17.259+/-286.697 χ^2/NDF: 130.1/68

- sign -2094.677+/-413.517 χ^2/NDF: 41.5/34

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1770.661+/-0.333 χ^2/NDF:161091.7/17

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

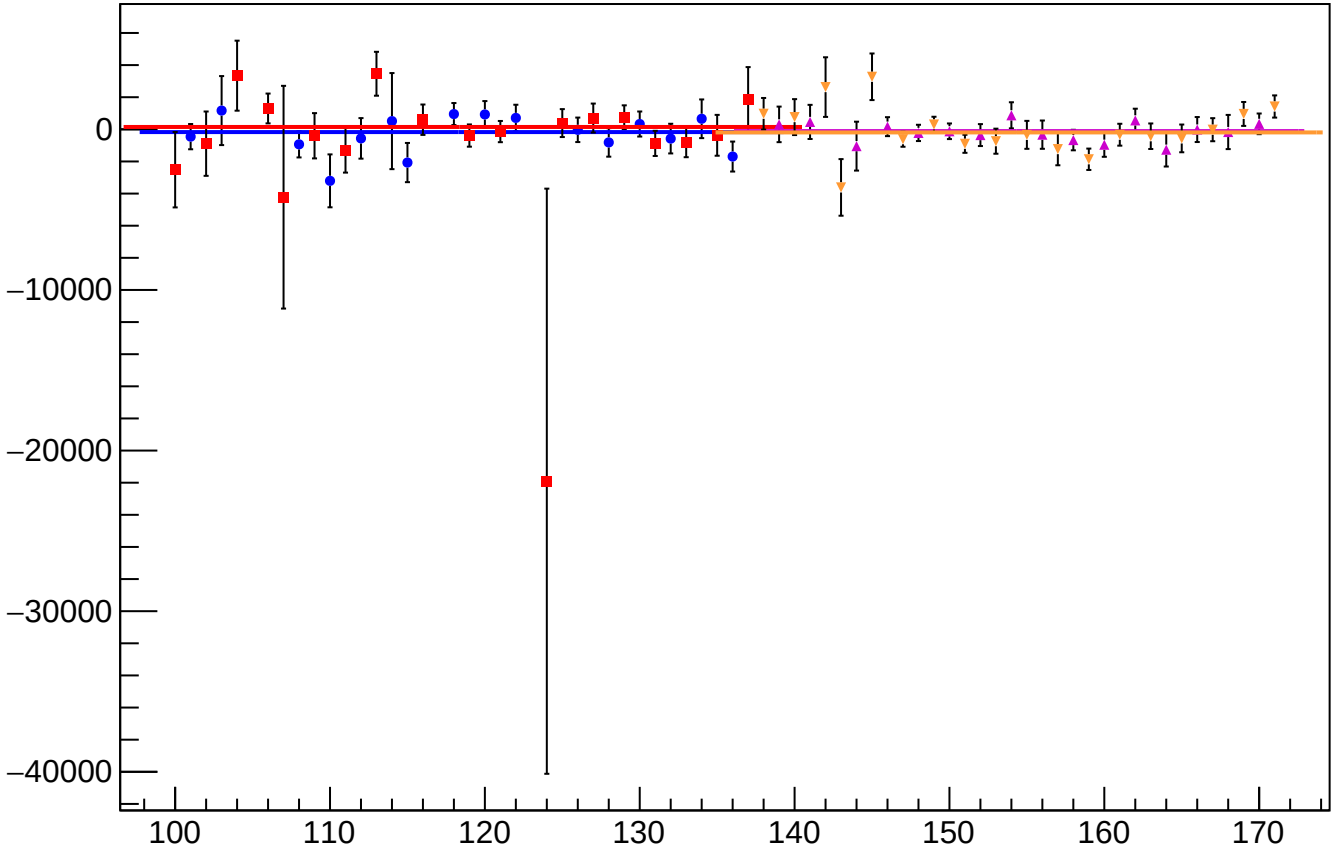
Left In: 1816.208+/-0.353 χ^2/NDF:1797.8/15

+ sign 1825.446+/-0.281 χ^2/NDF: 896856.4/33

All: 1844.335+/-0.203 χ^2/NDF: 1313177.2/68

- sign 1864.743+/-0.292 χ^2/NDF: 406941.1/34

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.085+/-176.633 χ^2/NDF:33.5/17

Right Out: 147.489+/-242.847 χ^2/NDF: 20.1/18

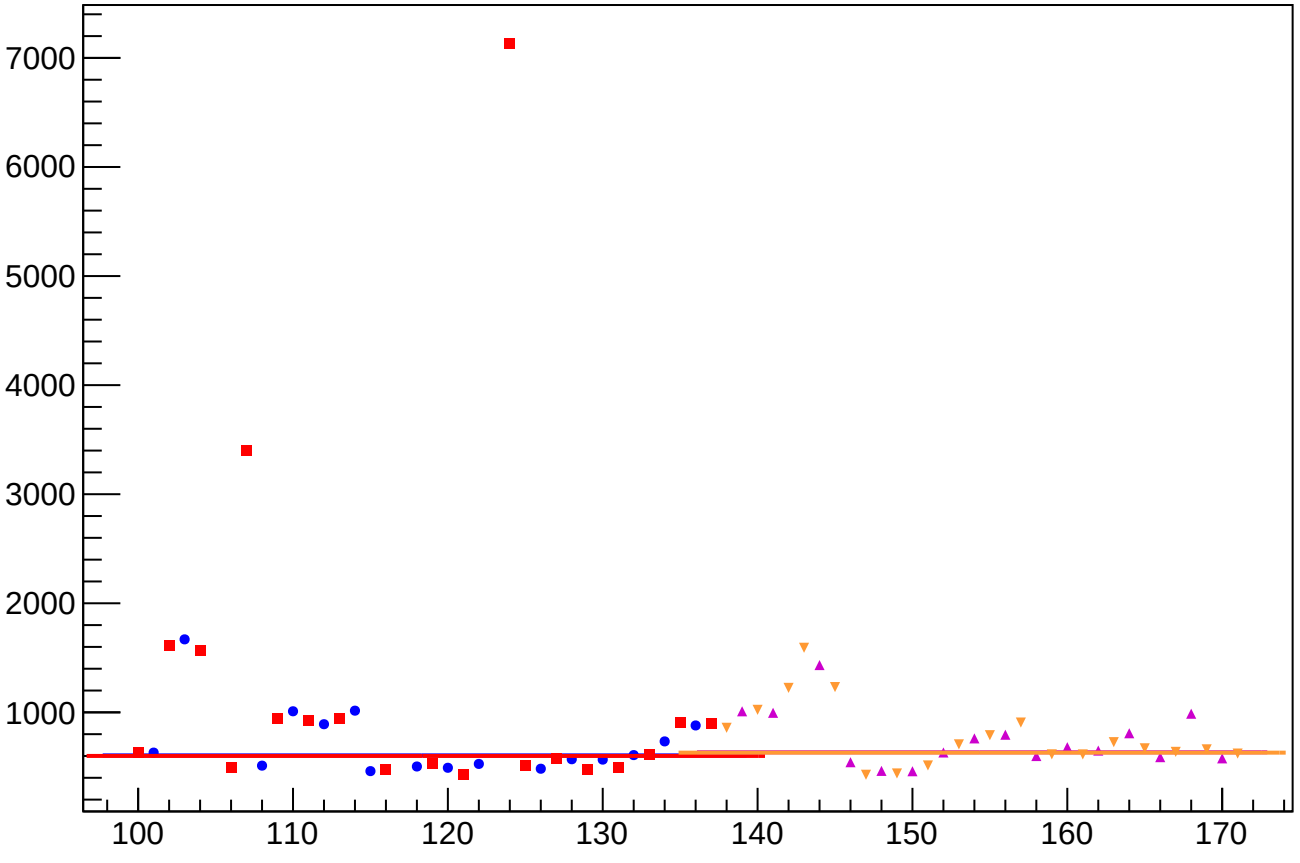
Left In: -110.577+/-182.409 χ^2/NDF:7.3/15

+ sign -184.471+/-141.607 χ^2/NDF: 50.7/33

All: -103.446+/-101.598 χ^2/NDF: 79.6/68

- sign -17.495+/-145.848 χ^2/NDF: 28.2/34

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 630.594+/-0.125 χ^2/NDF:2546488.9/17

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

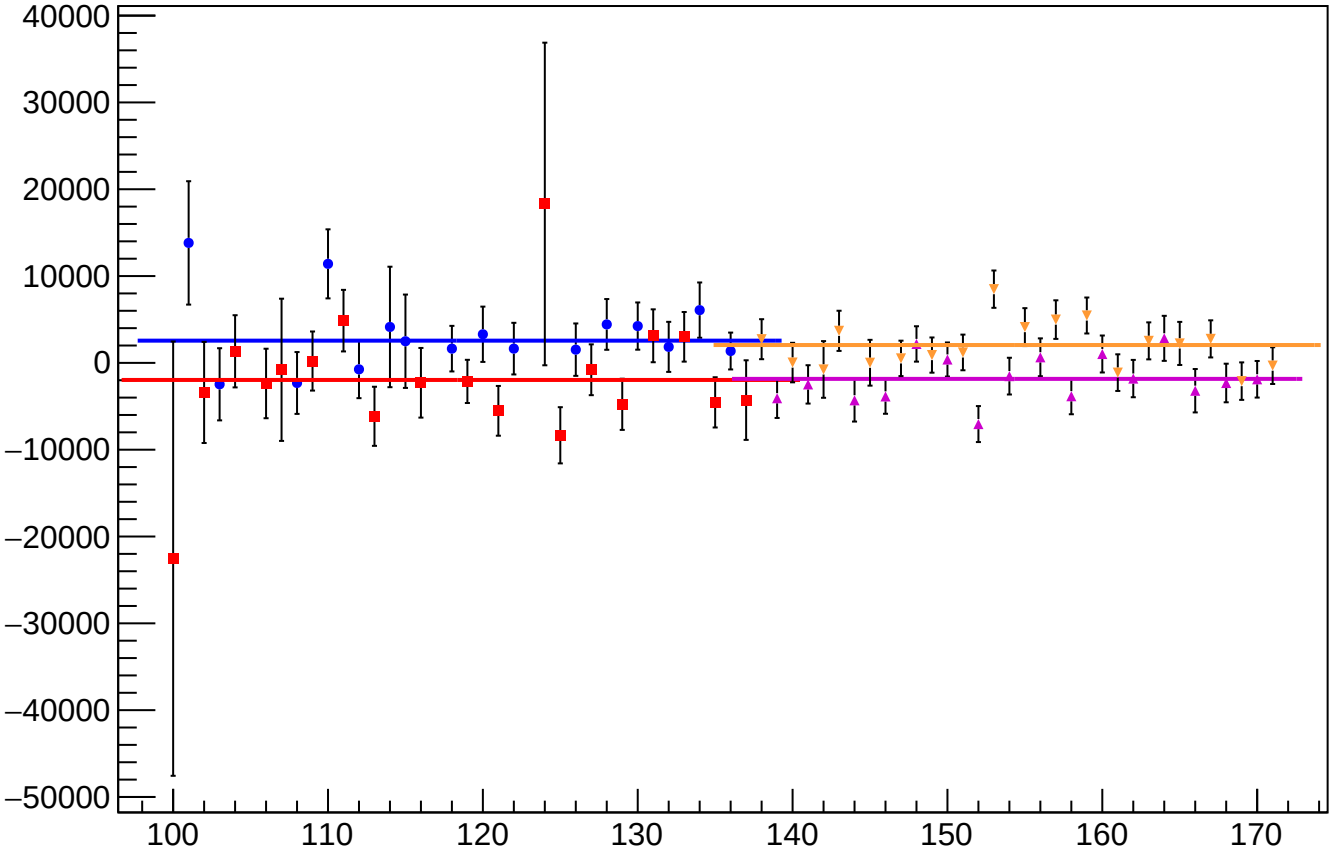
Left In: 633.972+/-0.129 χ^2/NDF:1972000.9/15

+ sign 621.603+/-0.100 χ^2/NDF: 3723455.7/33

All: 621.737+/-0.072 χ^2/NDF: 8048361.1/68

- sign 621.879+/-0.103 χ^2/NDF: 4324901.8/34

asym_at1_avg_mean vs Slug



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2055.741+/-523.233 χ^2/NDF:25.5/17

Right Out: -1966.731+/-818.839 χ^2/NDF: 21.6/18

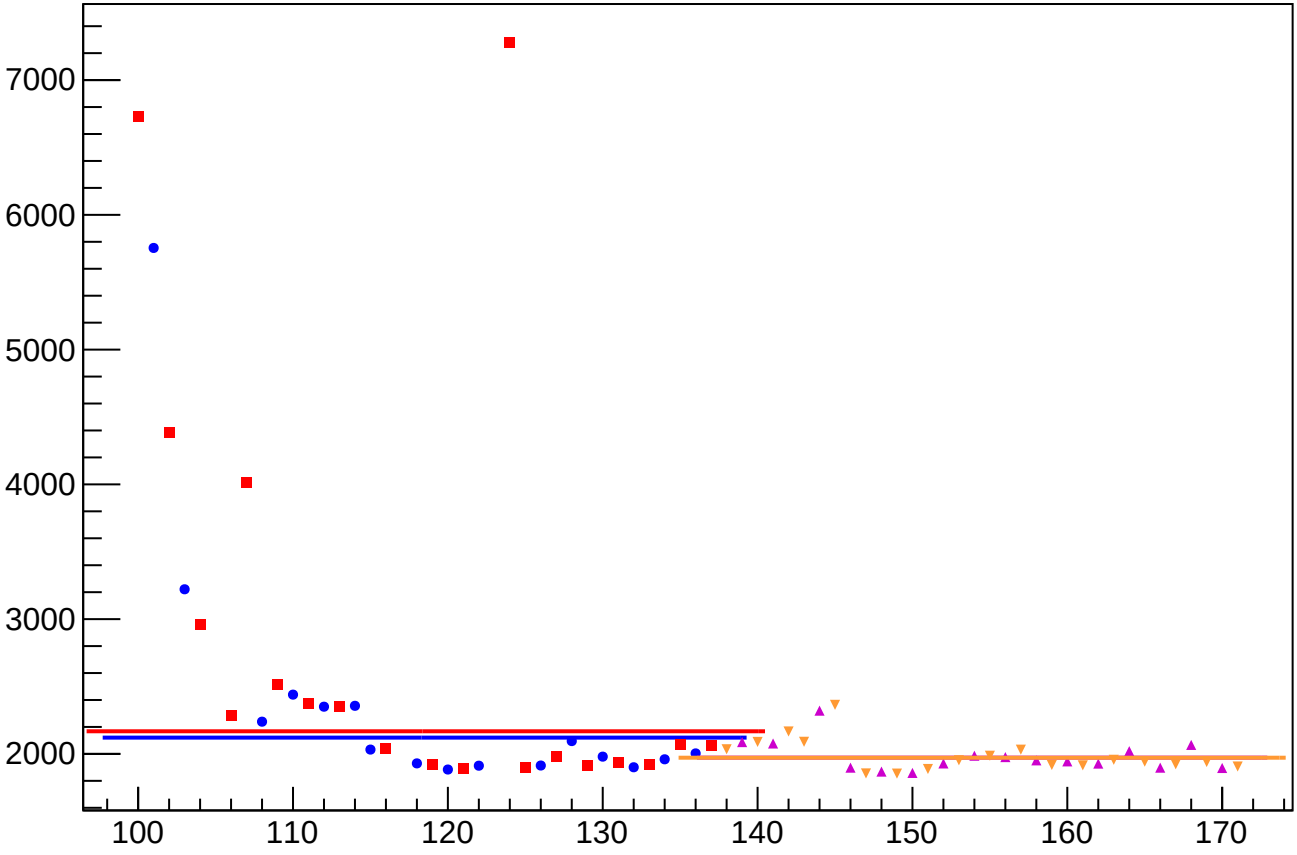
Left In: -1842.811+/-543.348 χ^2/NDF:22.2/15

+ sign 2204.579+/-439.455 χ^2/NDF: 40.4/33

All: 222.767+/-315.334 χ^2/NDF: 126.1/68

- sign -1880.694+/-452.741 χ^2/NDF: 43.8/34

asym_at1_avg_rms vs Slug



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1971.680+/-0.370 χ^2/NDF:88232.3/17

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

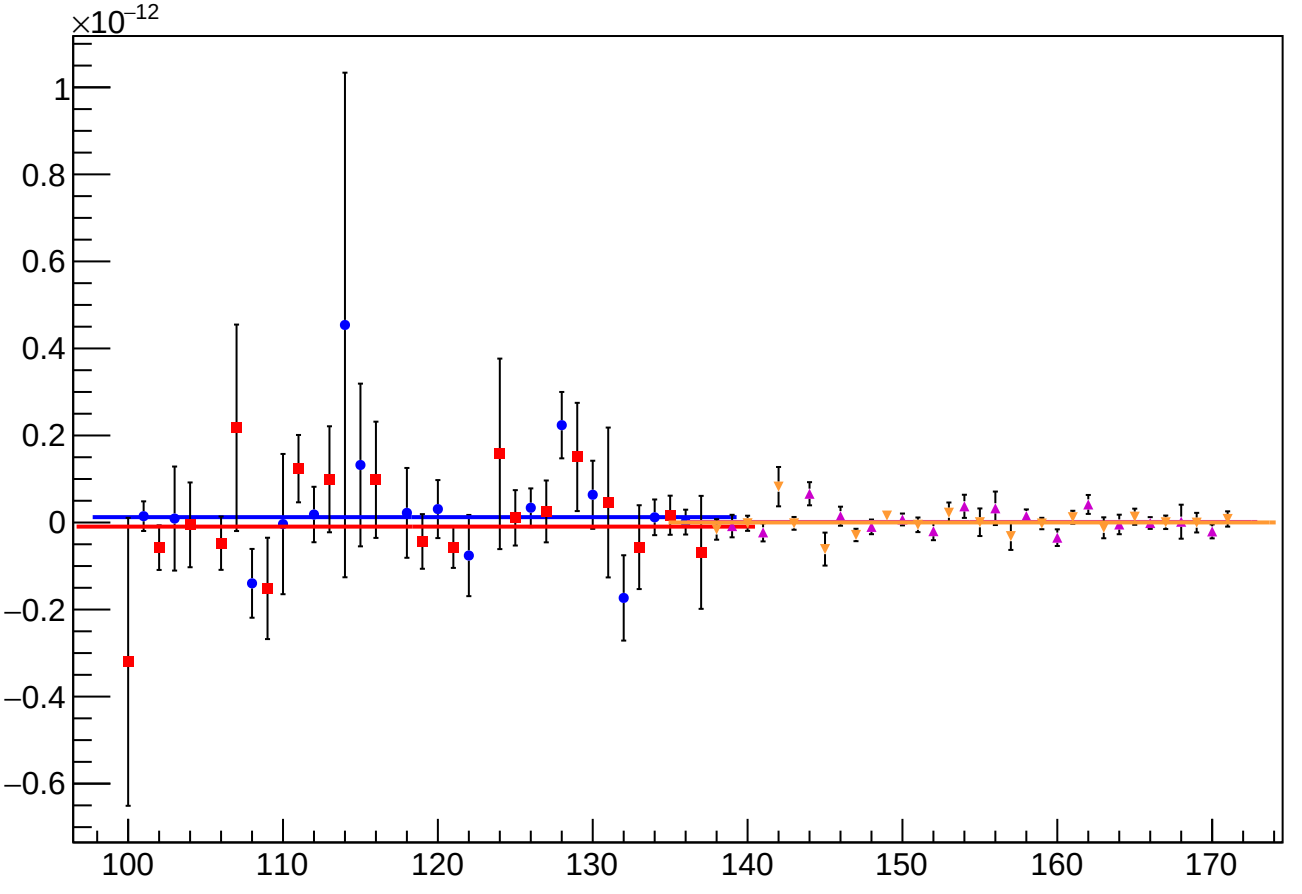
Left In: 1972.173+/-0.384 χ^2/NDF:75847.5/15

+ sign 2015.604+/-0.311 χ^2/NDF: 896043.0/33

All: 2023.553+/-0.223 χ^2/NDF: 1876453.7/68

- sign 2031.990+/-0.320 χ^2/NDF: 979061.7/34

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:16.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

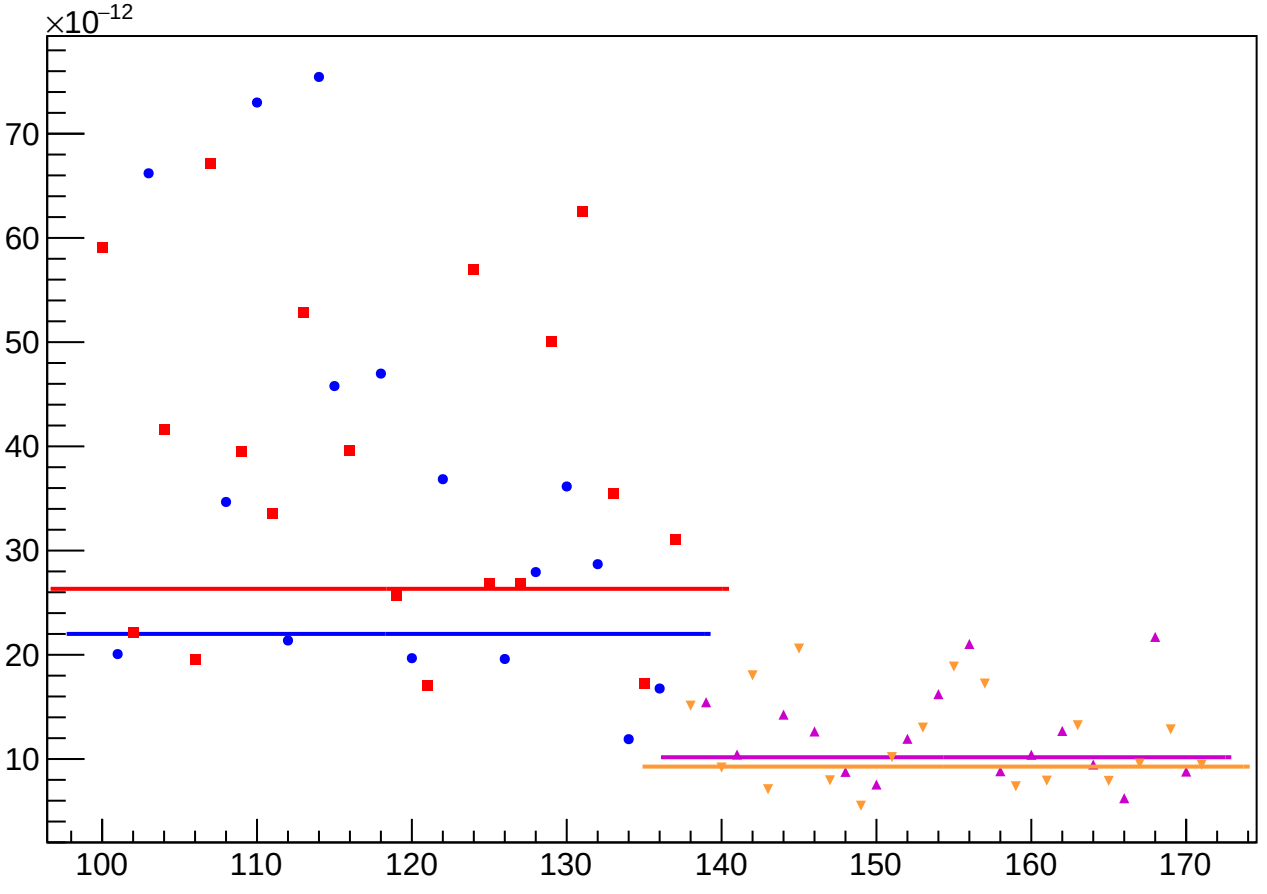
Left In: 0.000+/-0.000 χ^2/NDF:21.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/33

All: 0.000+/-0.000 χ^2/NDF: 70.1/68

- sign 0.000+/-0.000 χ^2/NDF: 35.7/34

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:1187866.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

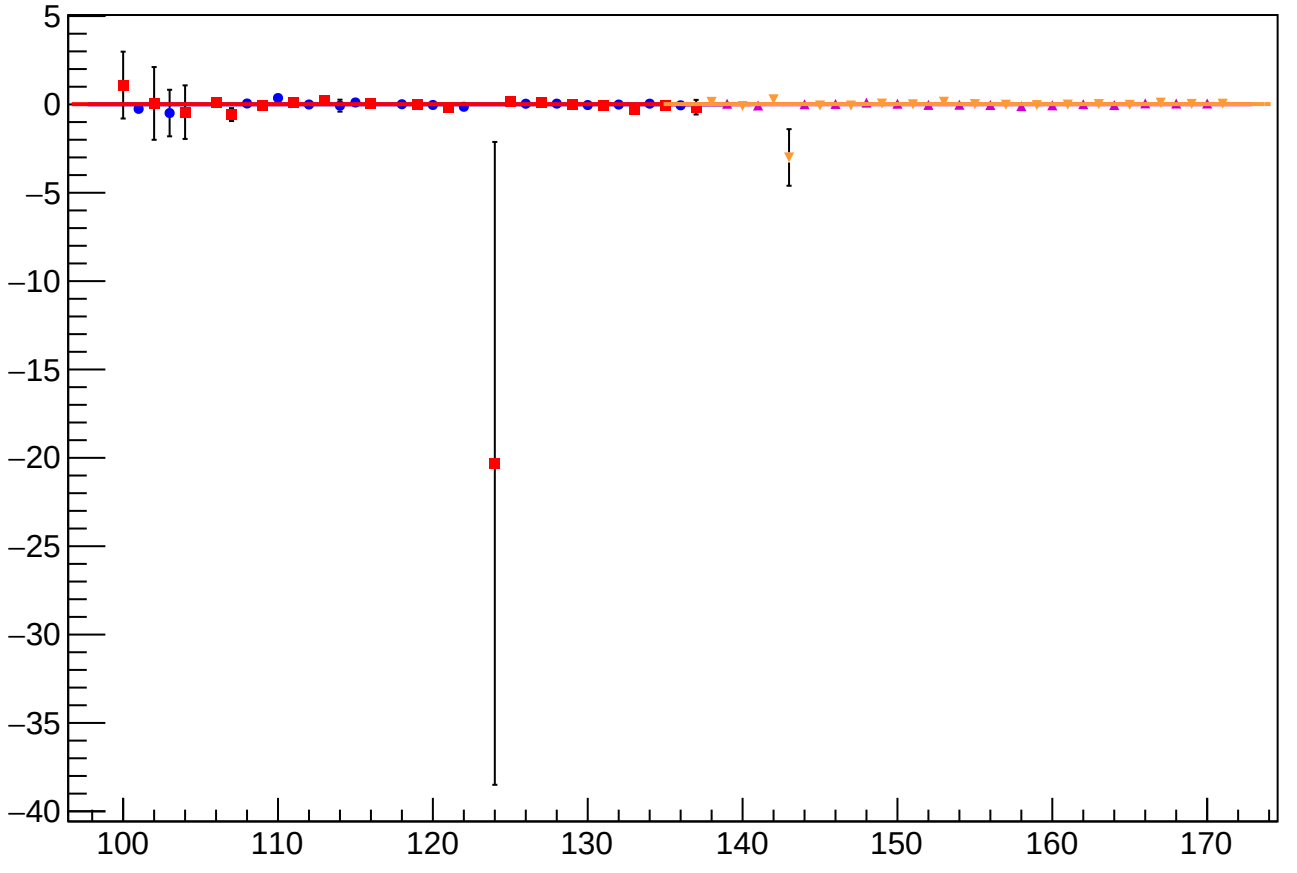
Left In: 0.000+/-0.000 χ^2/NDF:925132.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 3599353.2/33

All: 0.000+/-0.000 χ^2/NDF: 6779305.8/68

- sign 0.000+/-0.000 χ^2/NDF: 3126324.7/34

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.014 χ^2/NDF:24.5/17

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

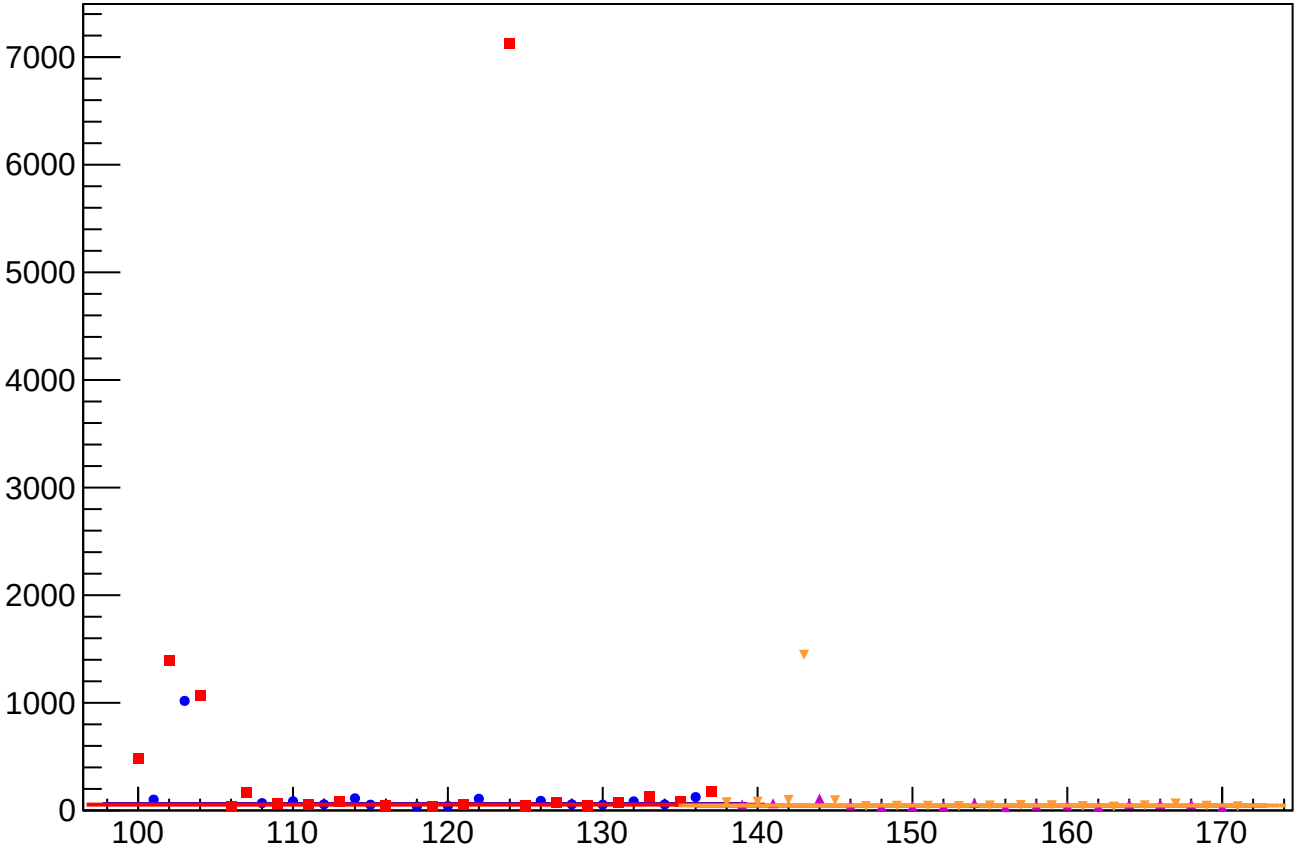
Left In: 0.008+/-0.014 χ^2/NDF:14.4/15

+ sign 0.015+/-0.012 χ^2/NDF: 36.1/33

All: 0.012+/-0.009 χ^2/NDF: 68.2/68

- sign 0.009+/-0.012 χ^2/NDF: 32.0/34

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.028+/-0.010 χ^2/NDF:2988247.8/17

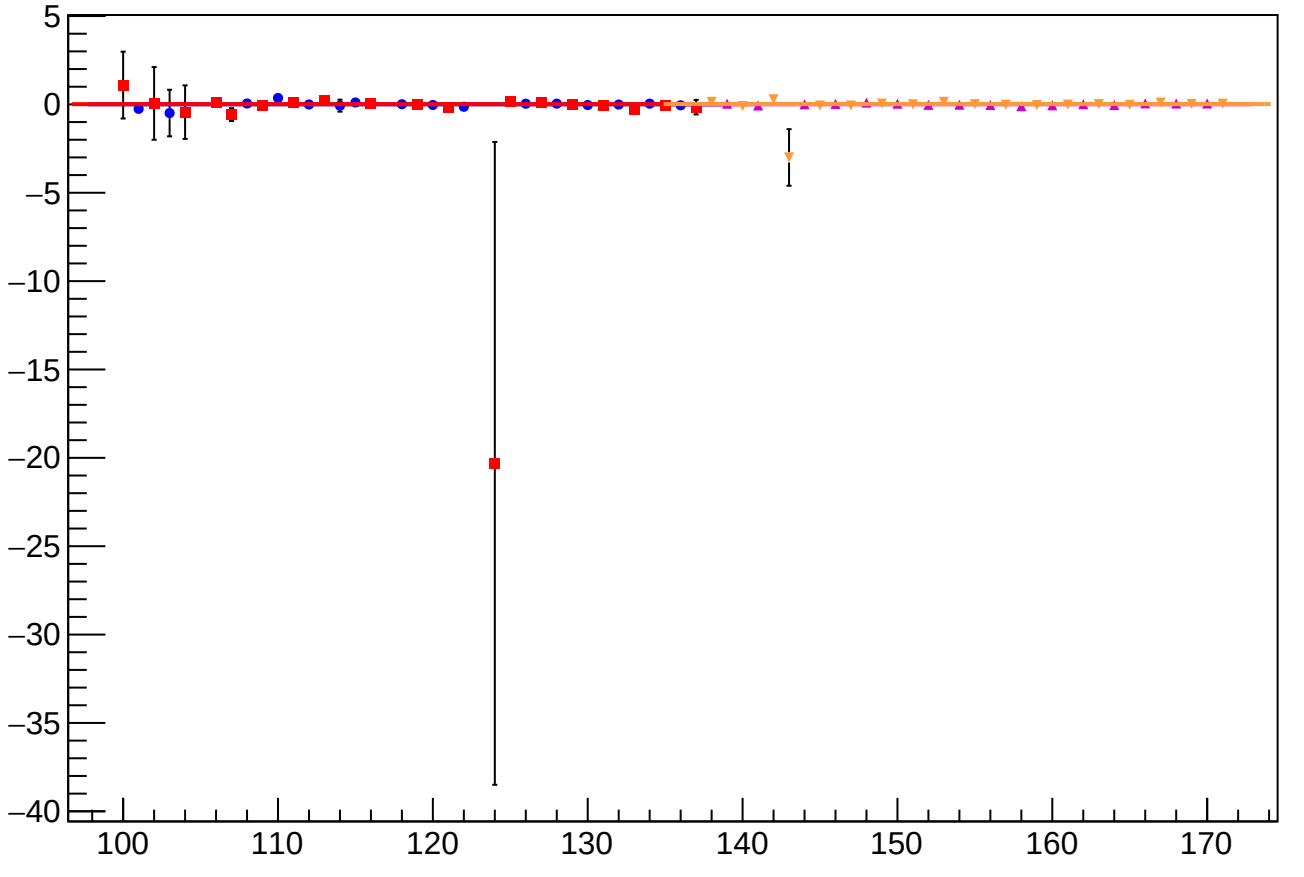
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.347+/-0.010 χ^2/NDF:1676528.5/15

+ sign 49.037+/-0.009 χ^2/NDF: 5945174.8/33

All: 48.218+/-0.006 χ^2/NDF: 11343304.7/68

- sign 47.406+/-0.009 χ^2/NDF: 5380967.4/34



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.014 χ^2/NDF:24.5/17

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

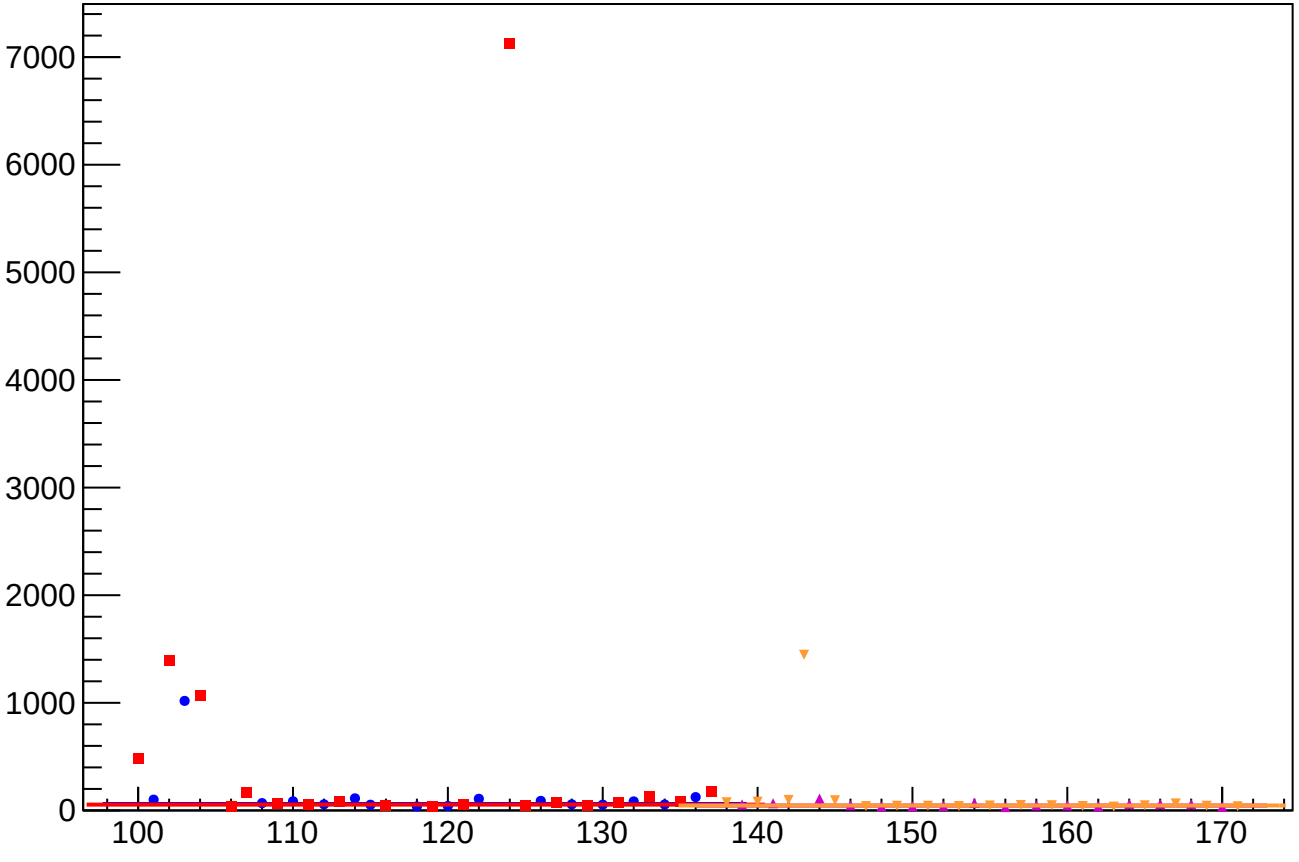
Left In: 0.008+/-0.014 χ^2/NDF:14.4/15

+ sign 0.015+/-0.012 χ^2/NDF: 36.1/33

All: 0.012+/-0.009 χ^2/NDF: 68.2/68

- sign 0.009+/-0.012 χ^2/NDF: 32.0/34

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: 46.028+/-0.010 χ^2/NDF:2988247.8/17

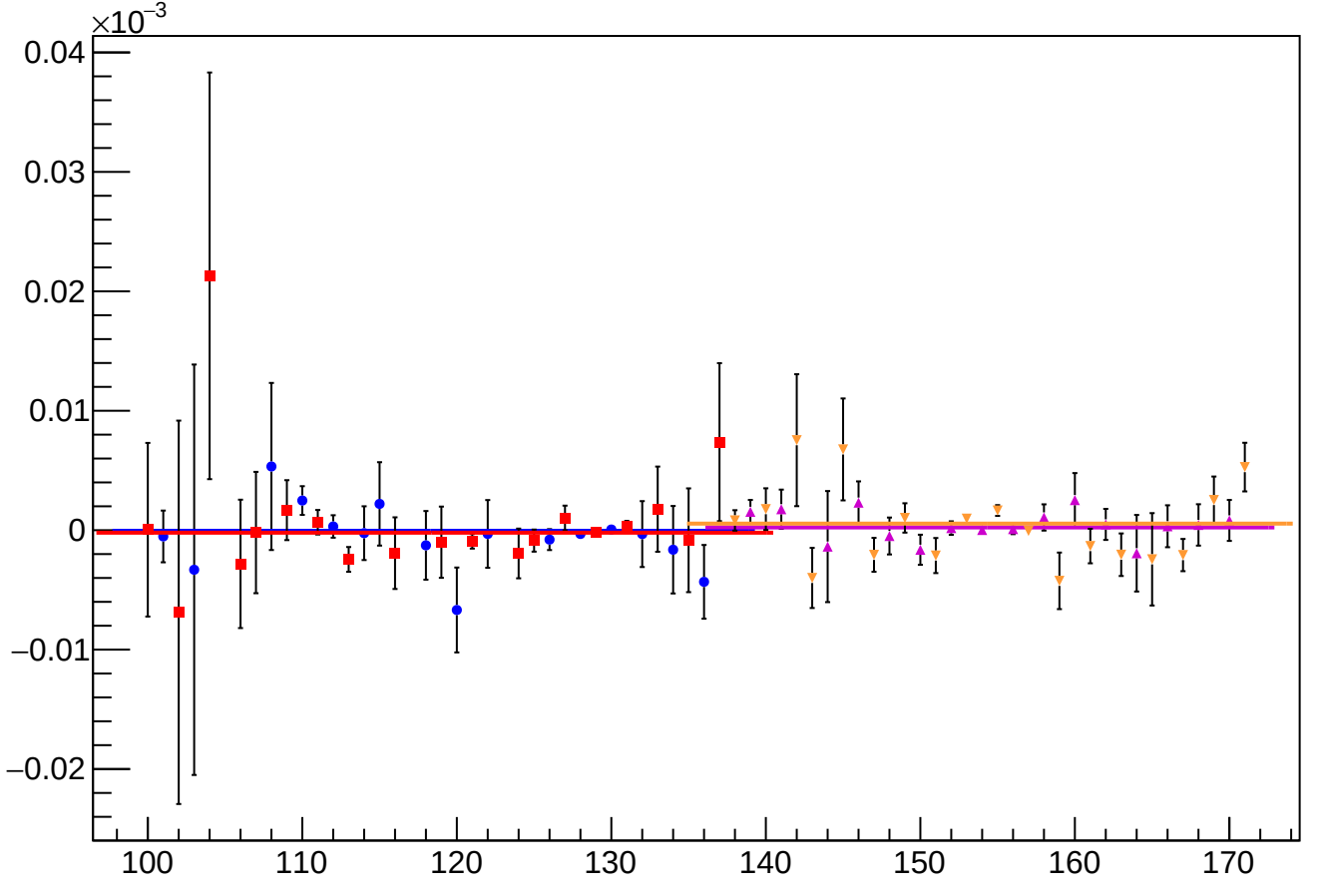
Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.347+/-0.010 χ^2/NDF:1676528.5/15

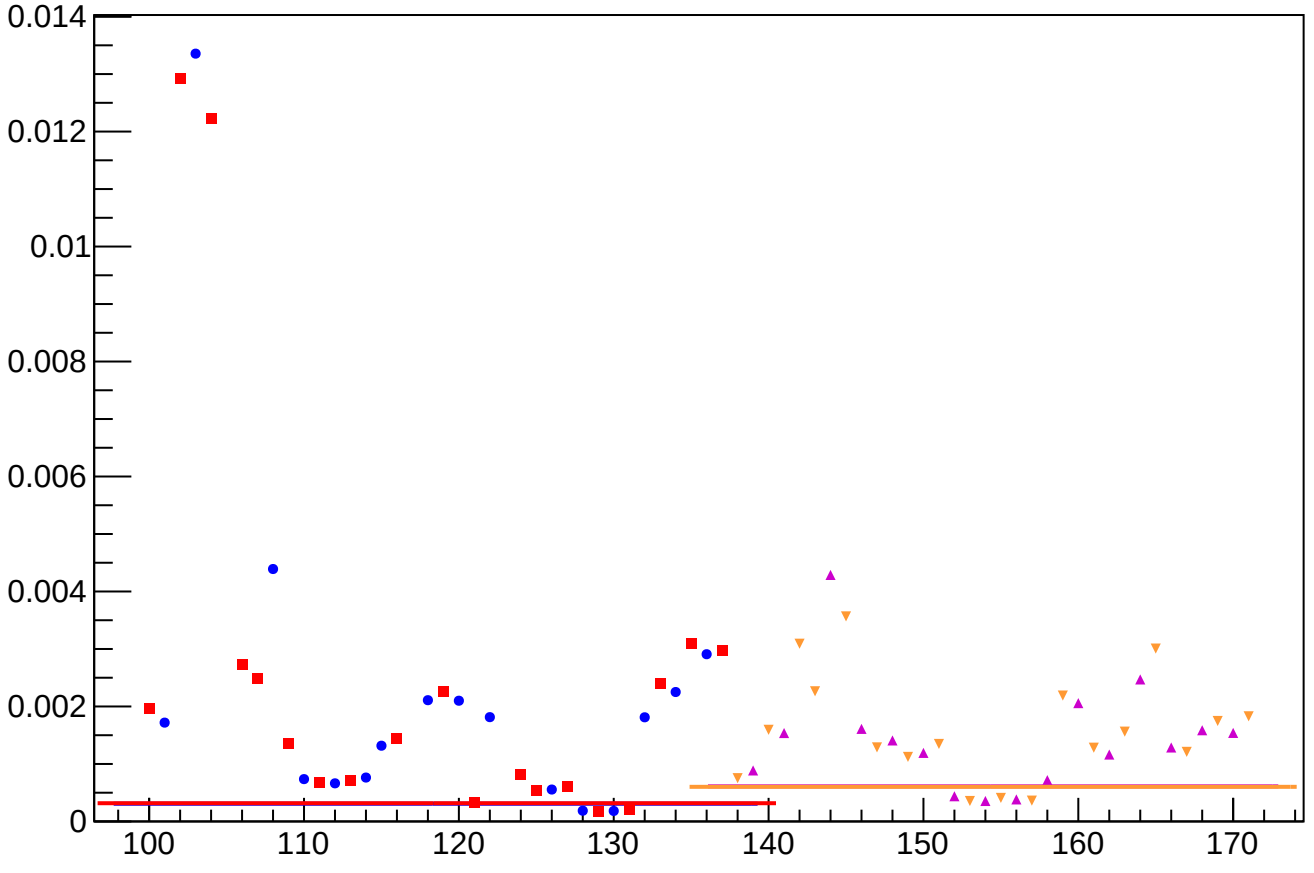
+ sign 49.037+/-0.009 χ^2/NDF: 5945174.8/33

All: 48.218+/-0.006 χ^2/NDF: 11343304.7/68

- sign 47.406+/-0.009 χ^2/NDF: 5380967.4/34


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: 0.000+/-0.000 χ²/NDF:42.6/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/18
Left In: 0.000+/-0.000 χ²/NDF:9.2/15
+ sign 0.000+/-0.000 χ²/NDF: 59.9/33
All: 0.000+/-0.000 χ²/NDF: 88.5/68
- sign -0.000+/-0.000 χ²/NDF: 27.1/34

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:10688656.1/17

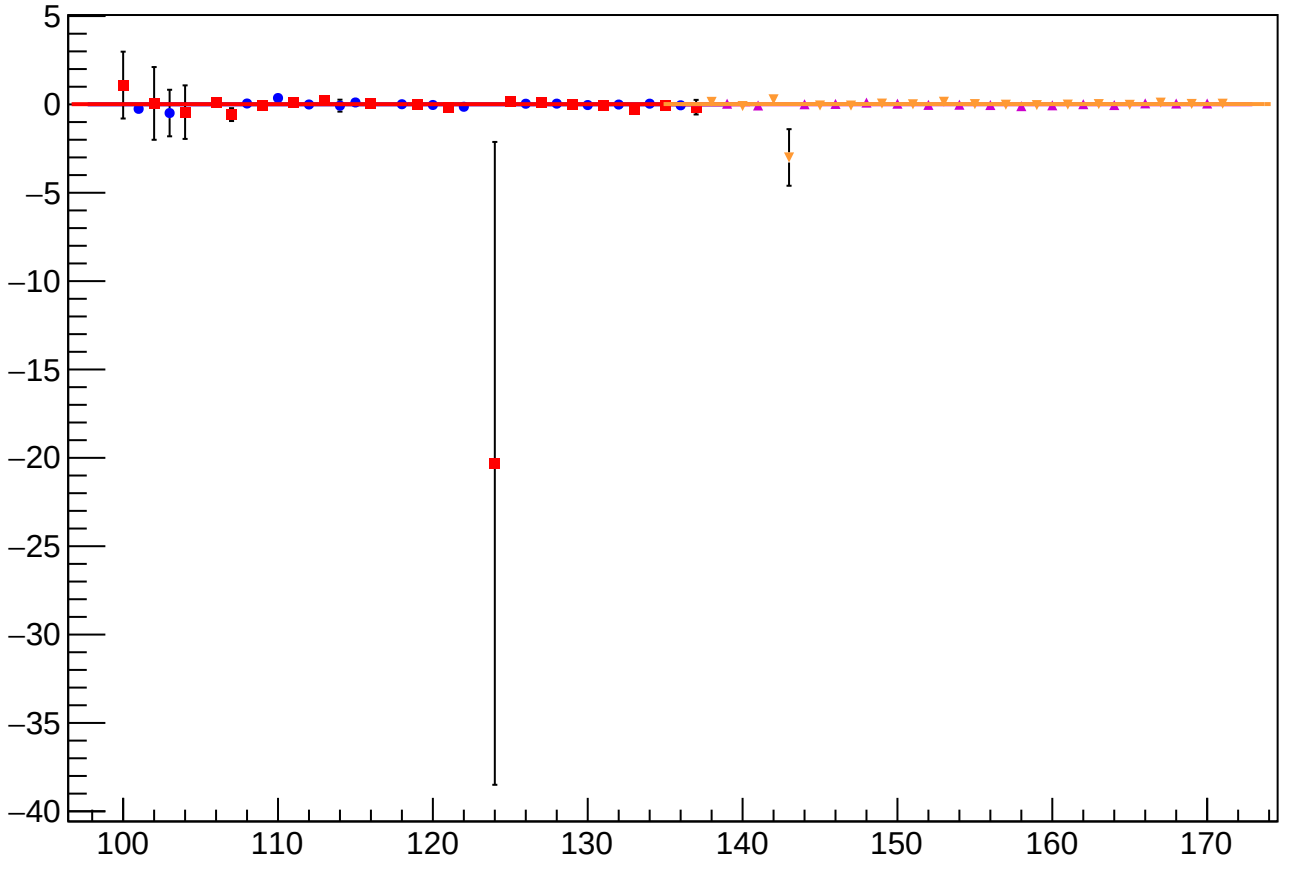
Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:8682875.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 21600500.4/33

All: 0.000+/-0.000 χ^2/NDF: 40334843.6/68

- sign 0.000+/-0.000 χ^2/NDF: 18734331.2/34



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.014 χ^2/NDF:24.5/17

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

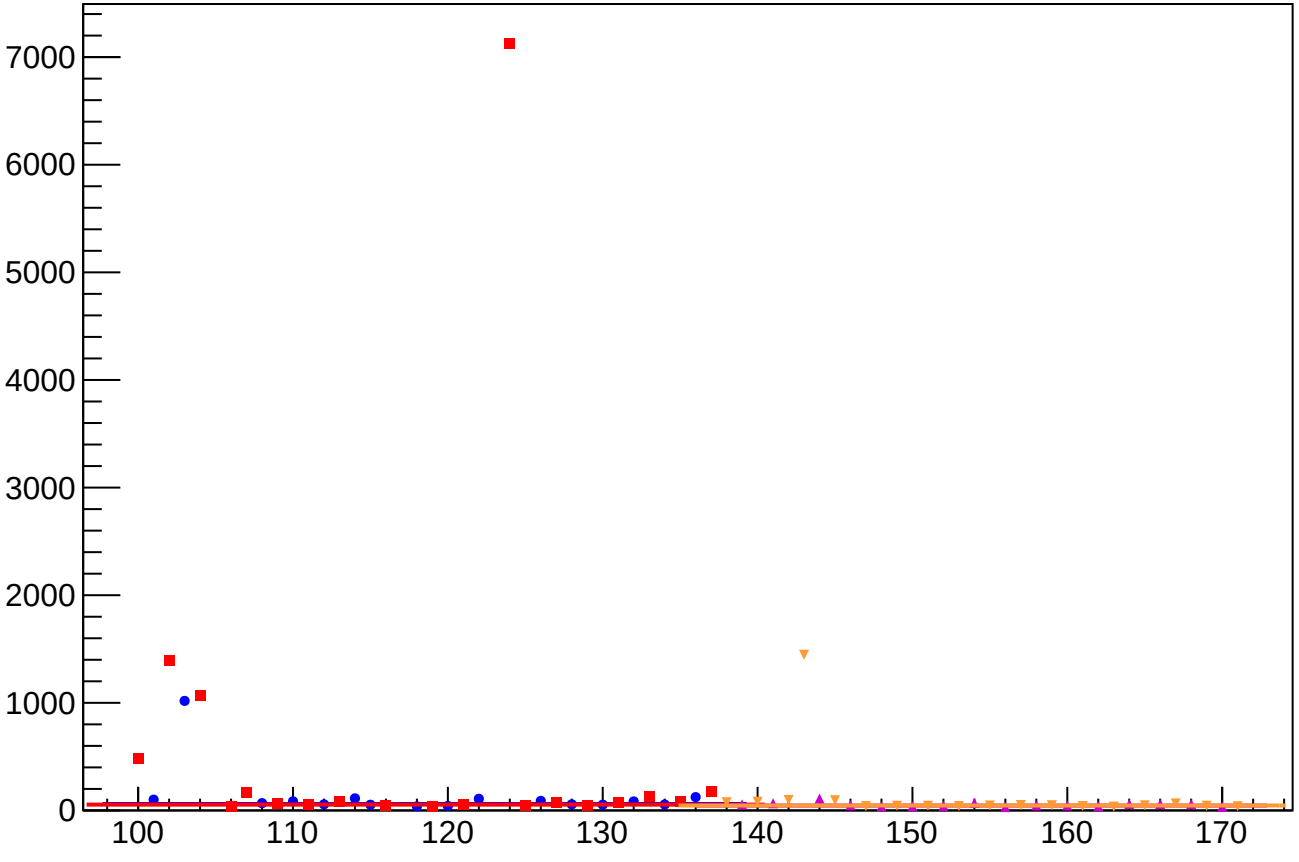
Left In: 0.008+/-0.014 χ^2/NDF:14.4/15

+ sign 0.015+/-0.012 χ^2/NDF: 36.1/33

All: 0.012+/-0.009 χ^2/NDF: 68.2/68

- sign 0.009+/-0.012 χ^2/NDF: 32.0/34

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: 46.028+/-0.010 χ^2/NDF:2988231.4/17

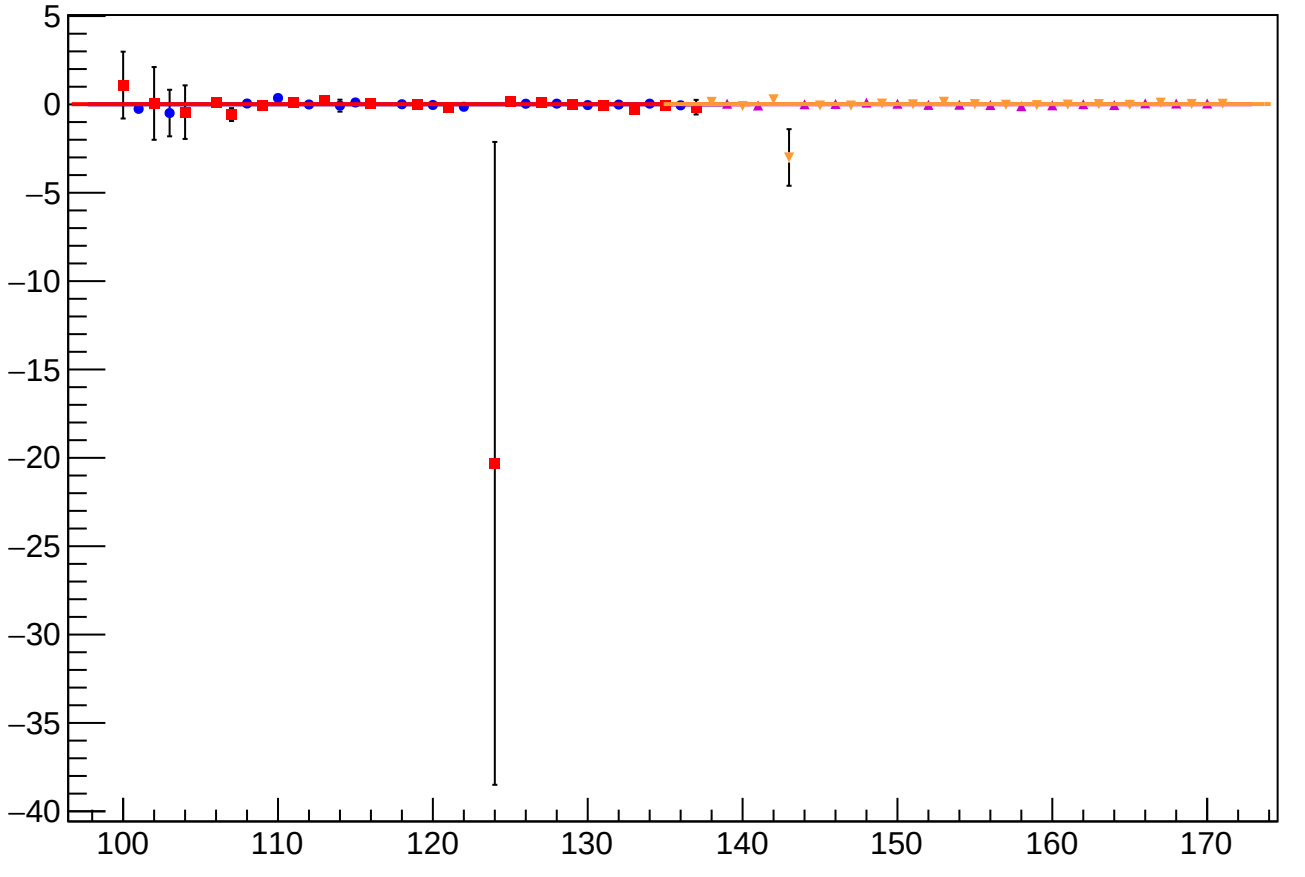
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.347+/-0.010 χ^2/NDF:1676531.0/15

+ sign 49.037+/-0.009 χ^2/NDF: 5945145.4/33

All: 48.218+/-0.006 χ^2/NDF: 11343306.4/68

- sign 47.406+/-0.009 χ^2/NDF: 5380990.5/34



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.014 χ^2/NDF:24.5/17

Right Out: 0.013+/-0.026 χ^2/NDF: 17.6/18

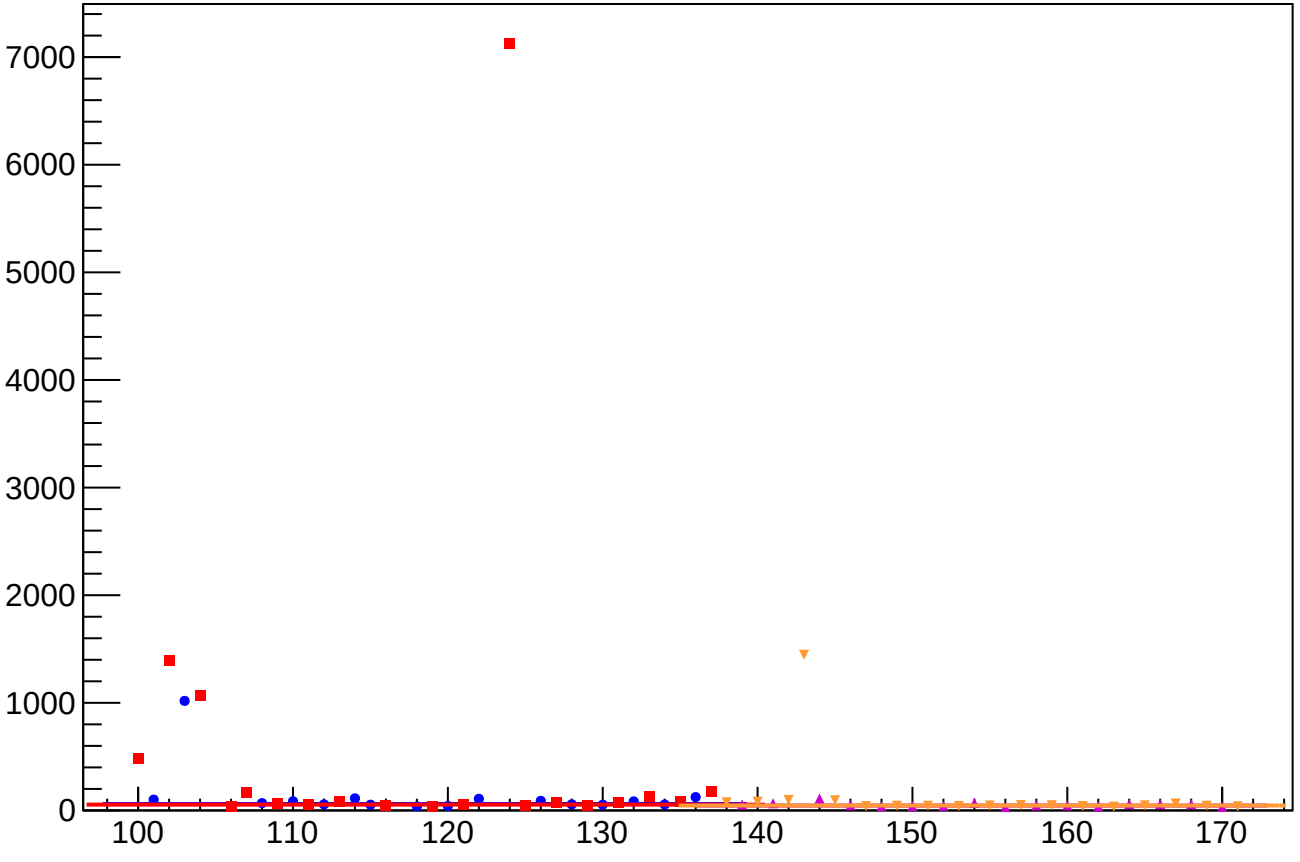
Left In: 0.008+/-0.014 χ^2/NDF:14.4/15

+ sign 0.015+/-0.012 χ^2/NDF: 36.1/33

All: 0.012+/-0.009 χ^2/NDF: 68.2/68

- sign 0.009+/-0.012 χ^2/NDF: 32.0/34

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: 46.028+/-0.010 χ^2/NDF:2988231.4/17

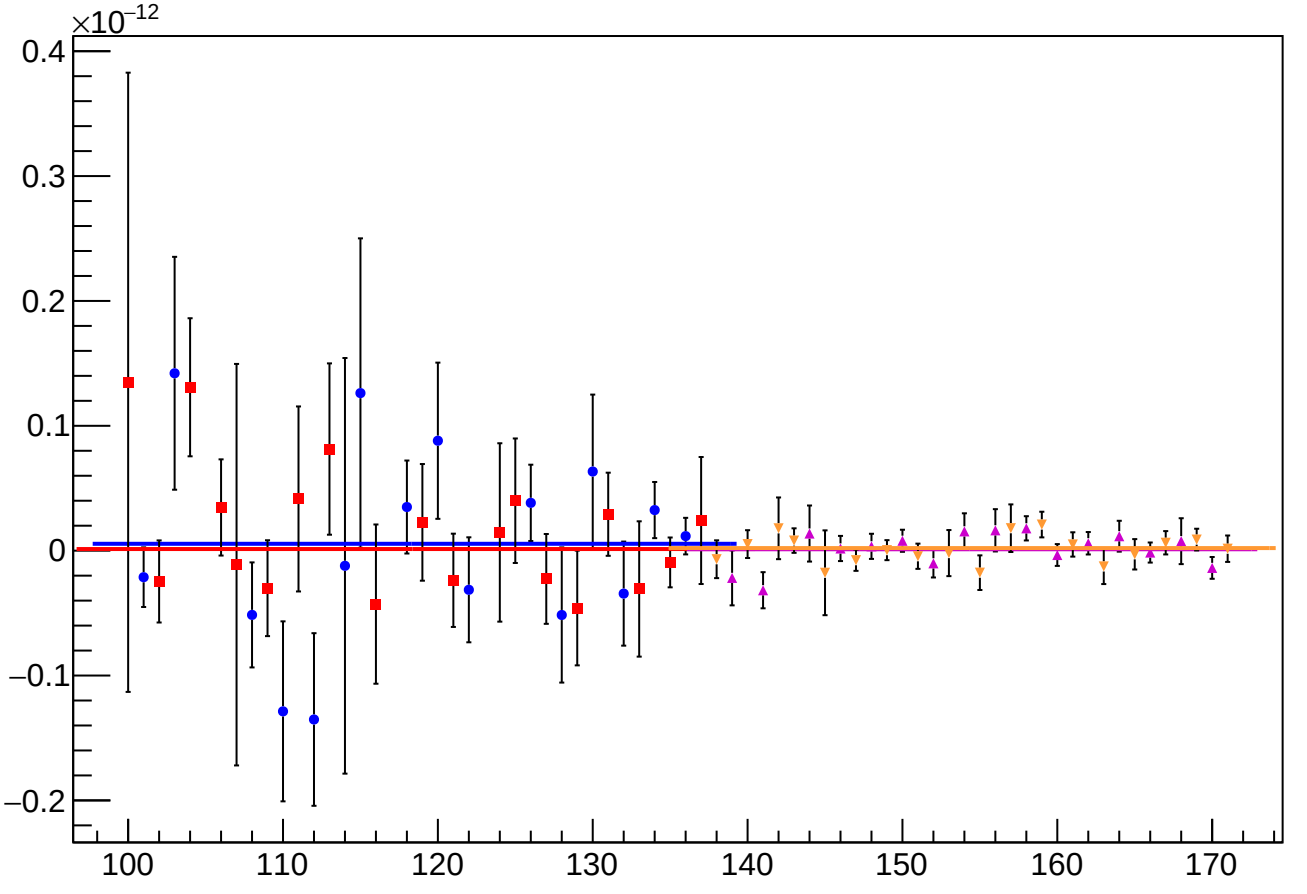
Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.347+/-0.010 χ^2/NDF:1676531.0/15

+ sign 49.037+/-0.009 χ^2/NDF: 5945145.4/33

All: 48.218+/-0.006 χ^2/NDF: 11343306.4/68

- sign 47.406+/-0.009 χ^2/NDF: 5380990.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/17

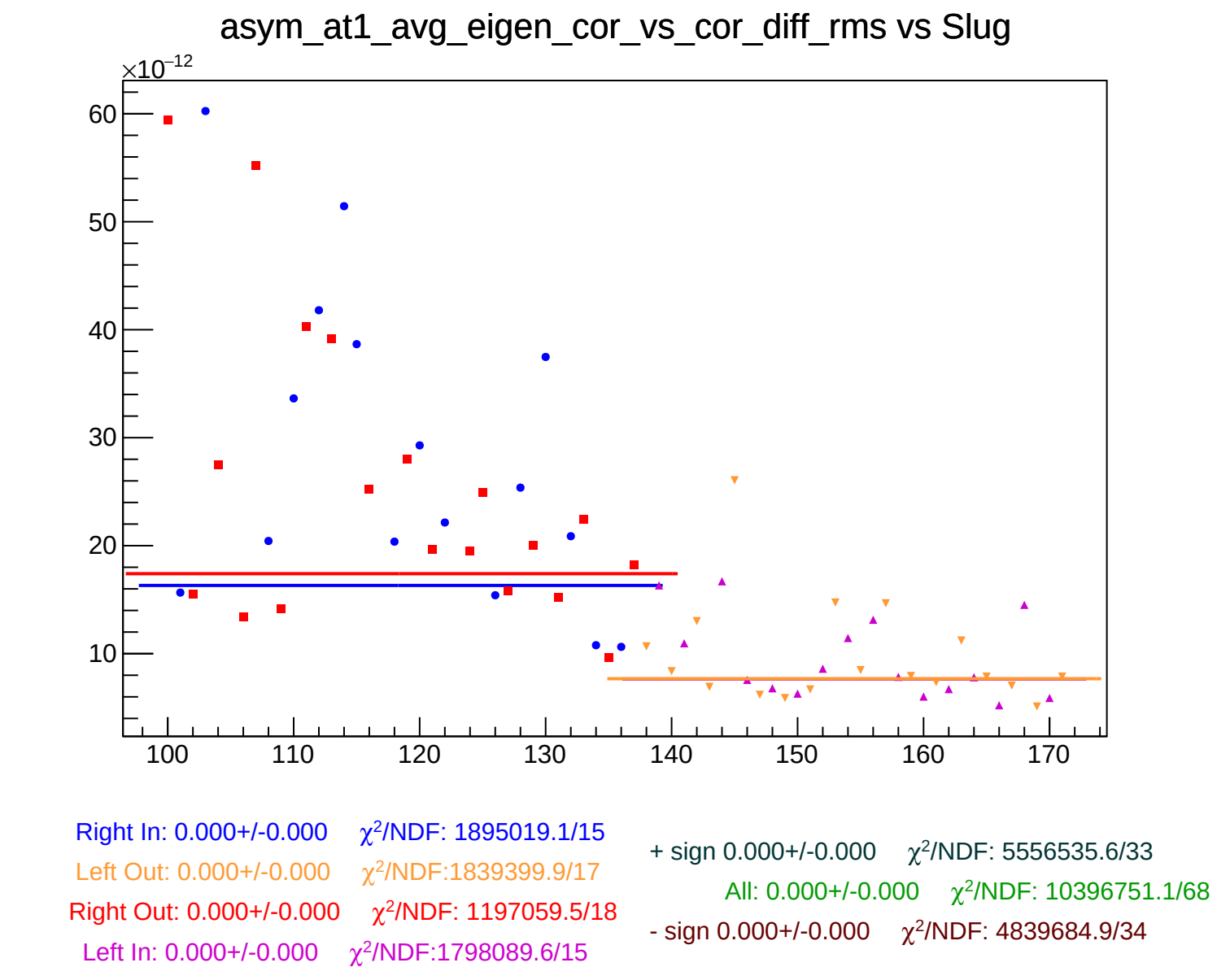
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

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

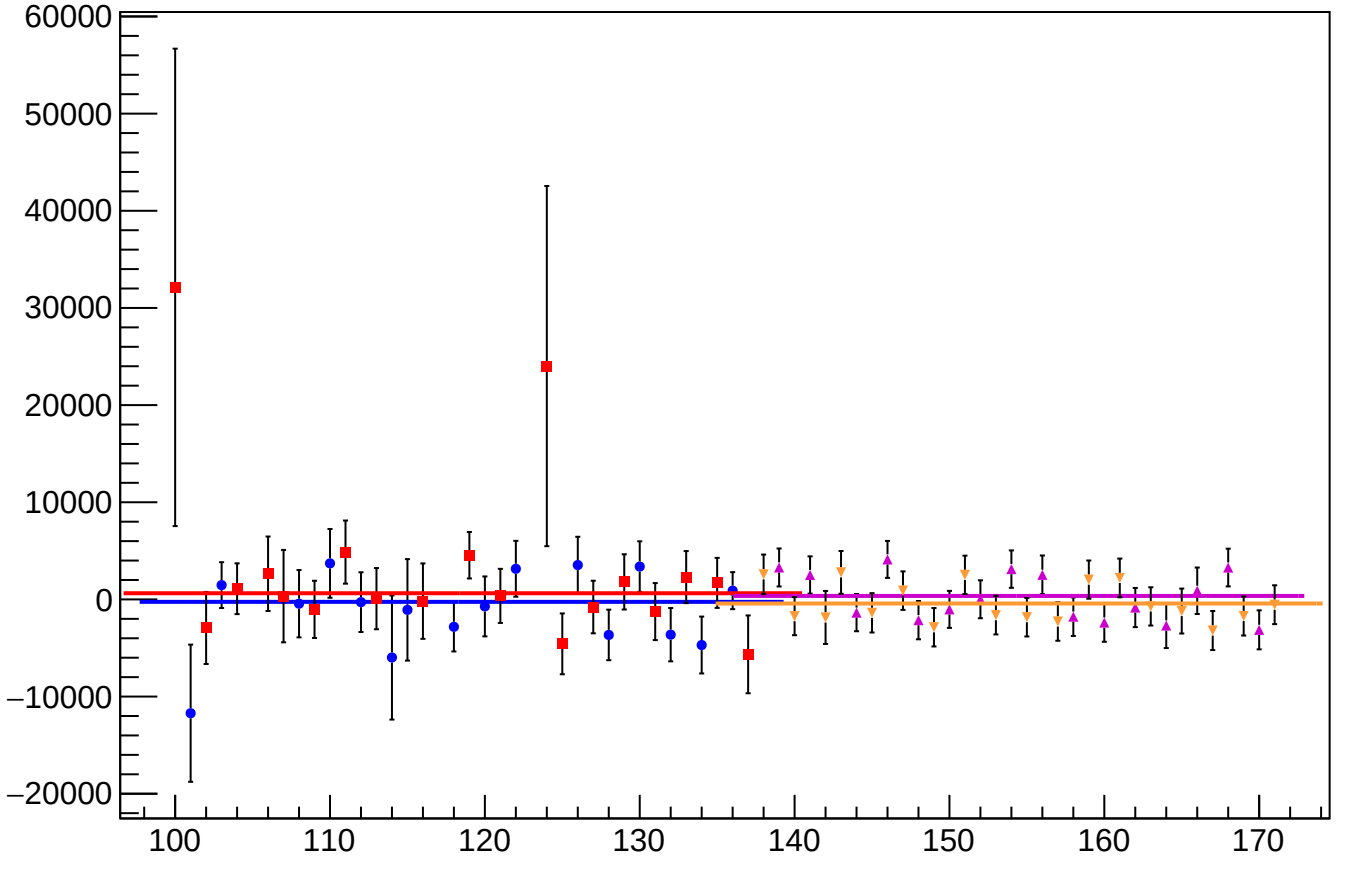
+ sign 0.000+/-0.000 χ^2/NDF: 34.4/33

All: 0.000+/-0.000 χ^2/NDF: 66.2/68

- sign 0.000+/-0.000 χ^2/NDF: 31.7/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1839399.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1798089.6/15
+ sign 0.000+/-0.000 χ²/NDF: 5556535.6/33
All: 0.000+/-0.000 χ²/NDF: 10396751.1/68
- sign 0.000+/-0.000 χ²/NDF: 4839684.9/34

reg_asym_at1_dd_mean vs Slug



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -421.377+/-481.338 χ^2/NDF:17.0/17

Right Out: 636.082+/-735.477 χ^2/NDF: 15.9/18

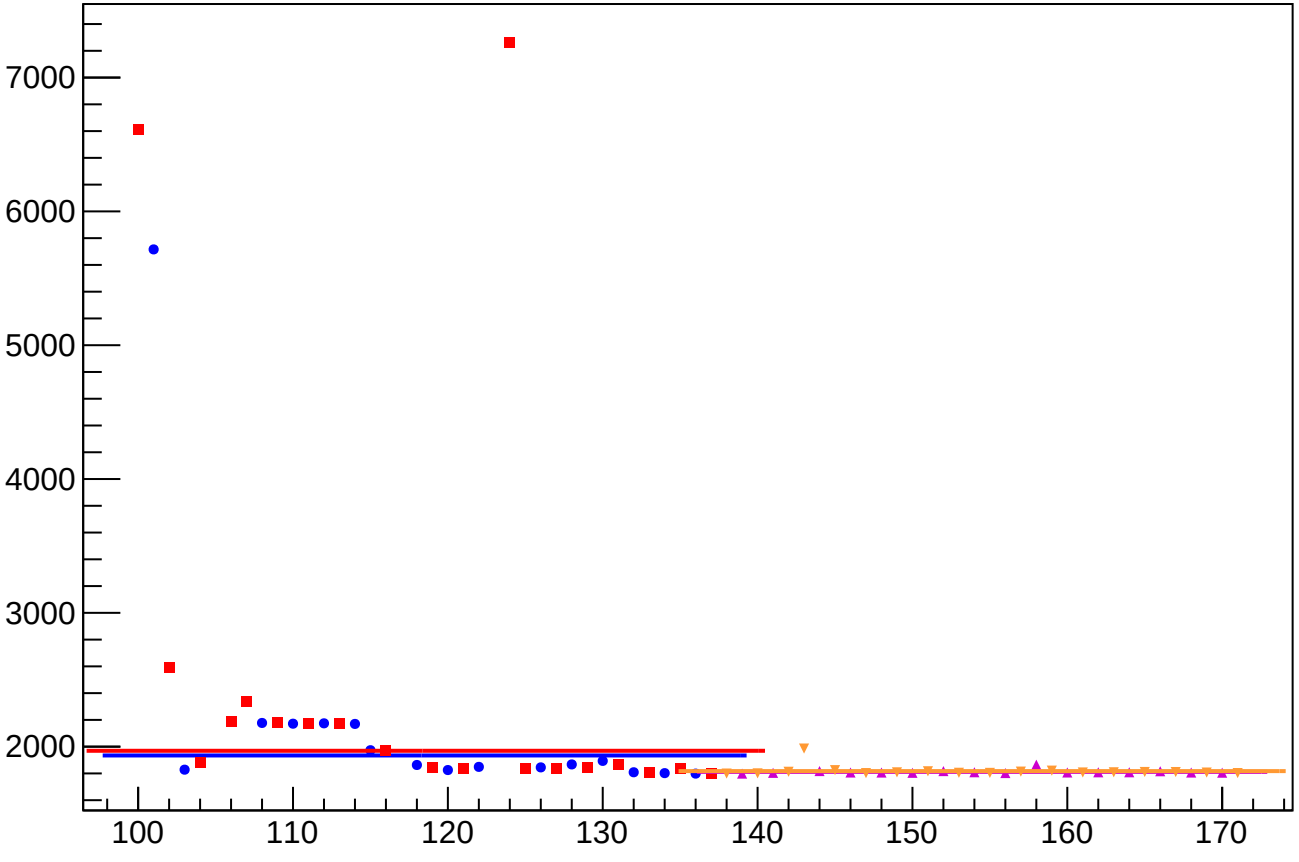
Left In: 359.358+/-498.205 χ^2/NDF:24.1/15

+ sign -370.339+/-402.693 χ^2/NDF: 34.2/33

All: 28.226+/-288.144 χ^2/NDF: 76.4/68

- sign 446.397+/-412.479 χ^2/NDF: 40.1/34

reg_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

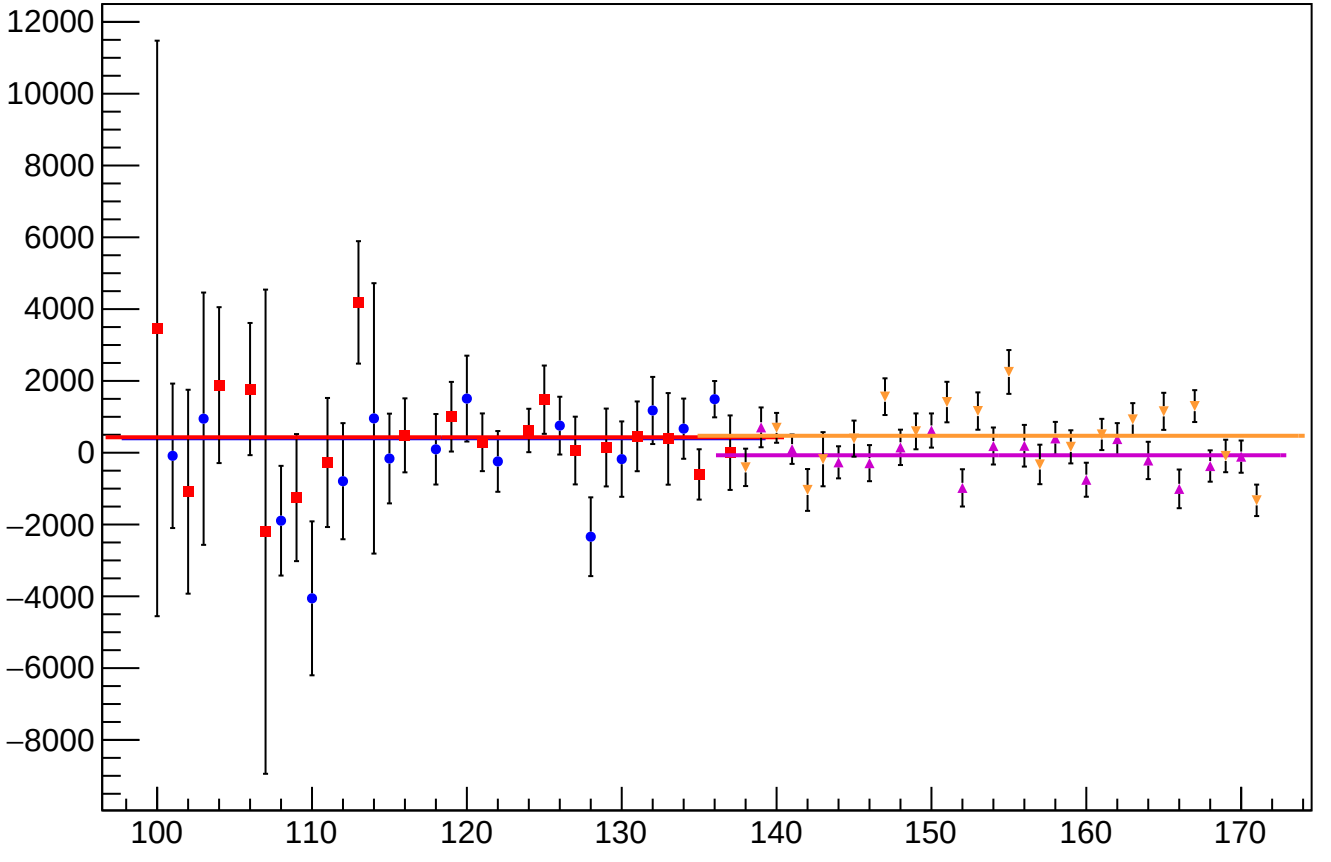
Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

+ sign 1852.373+/-0.285 χ^2/NDF: 688074.9/33

All: 1856.646+/-0.204 χ^2/NDF: 1131687.9/68

- sign 1861.130+/-0.292 χ^2/NDF: 443151.4/34

asym_at1_dd_reg_correction_mean vs Slug



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 471.861+/-117.401 χ^2/NDF:55.4/17

Right Out: 430.066+/-252.823 χ^2/NDF: 11.7/18

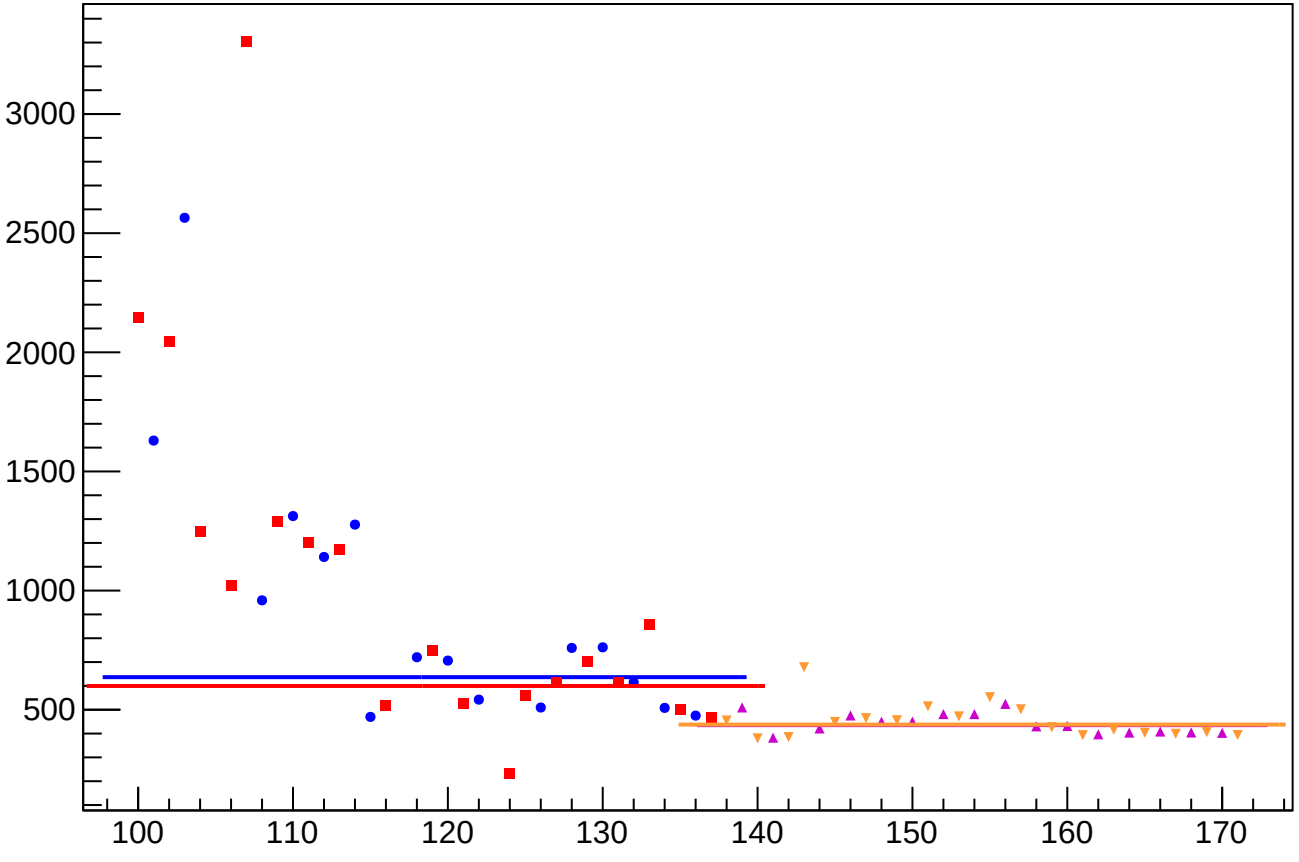
Left In: -71.038+/-120.559 χ^2/NDF:16.1/15

+ sign 460.028+/-106.899 χ^2/NDF: 76.6/33

All: 244.815+/-76.259 χ^2/NDF: 115.8/68

- sign 21.797+/-108.820 χ^2/NDF: 31.0/34

asym_at1_dd_reg_correction_rms vs Slug



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 437.637+/-0.083 χ^2/NDF:493866.0/17

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

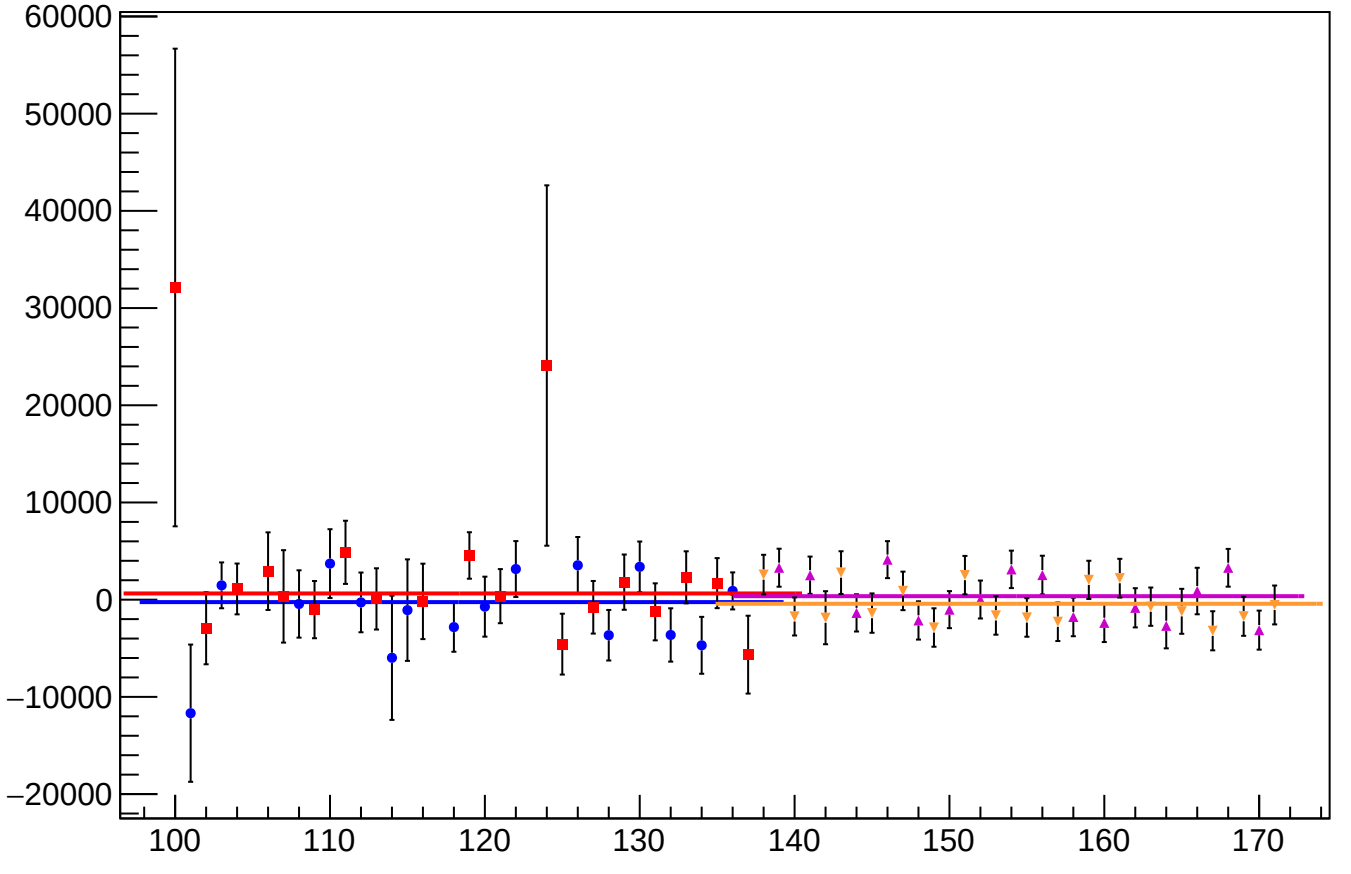
Left In: 435.231+/-0.085 χ^2/NDF:214789.9/15

+ sign 471.659+/-0.076 χ^2/NDF: 3543502.7/33

All: 468.727+/-0.054 χ^2/NDF: 7394461.8/68

- sign 465.687+/-0.077 χ^2/NDF: 3847893.7/34

cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -421.387+/-481.338 χ^2/NDF:17.0/17

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

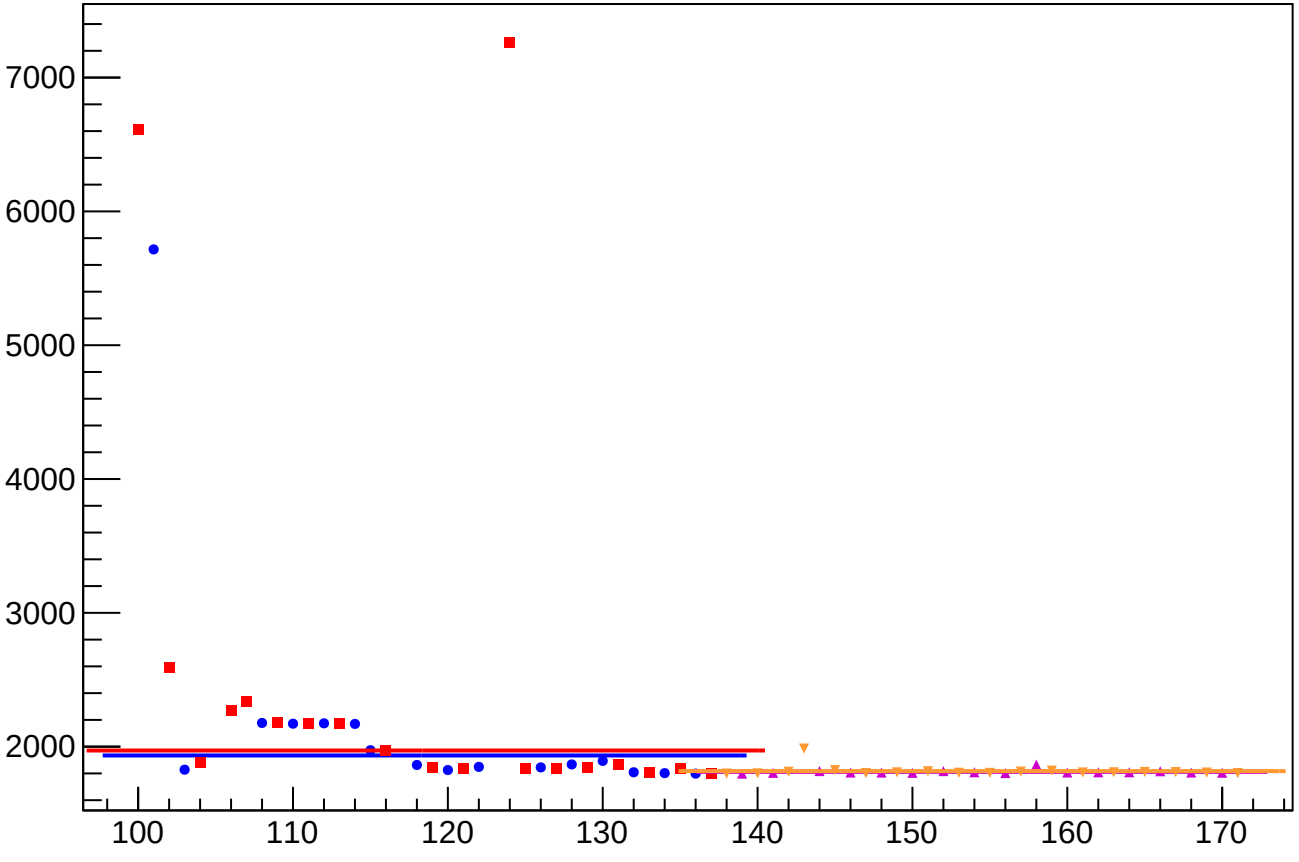
Left In: 359.366+/-498.205 χ^2/NDF:24.1/15

+ sign -370.103+/-402.693 χ^2/NDF: 34.2/33

All: 28.810+/-288.209 χ^2/NDF: 76.4/68

- sign 447.730+/-412.667 χ^2/NDF: 40.2/34

cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

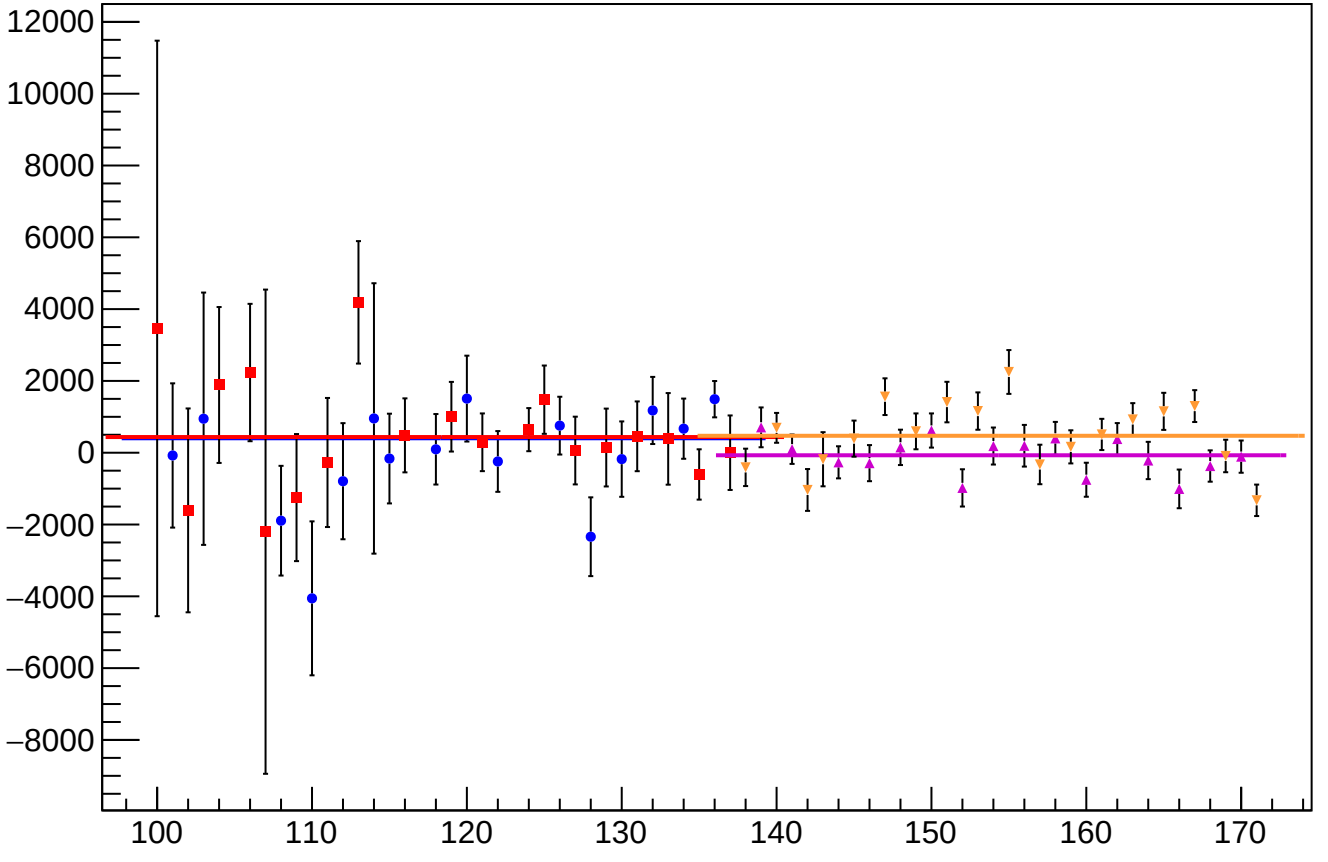
Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

+ sign 1852.373+/-0.285 χ^2/NDF: 688074.8/33

All: 1856.925+/-0.204 χ^2/NDF: 1138151.2/68

- sign 1861.706+/-0.292 χ^2/NDF: 449552.2/34

asym_at1_dd_cor_correction_mean vs Slug



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 471.837+/-117.401 χ^2/NDF:55.4/17

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

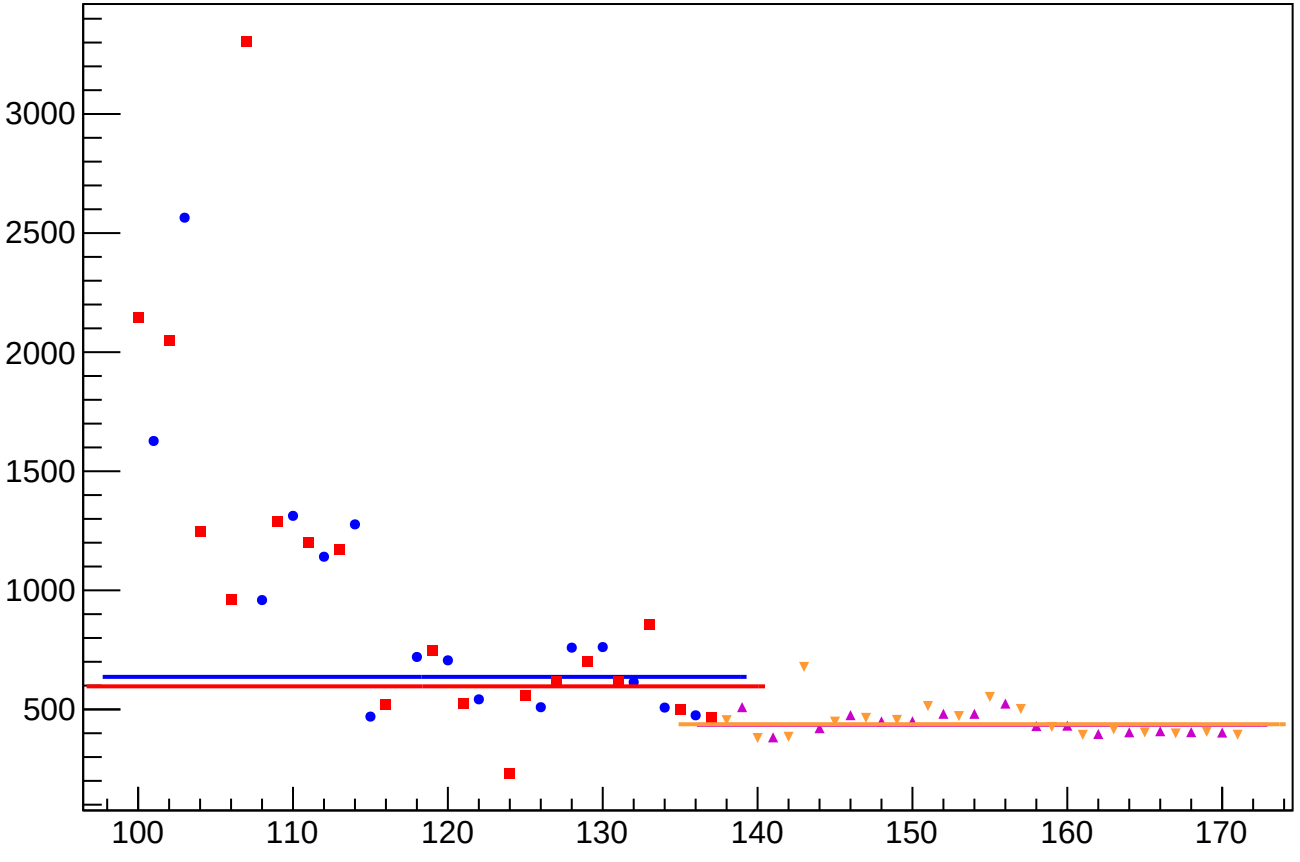
Left In: -71.059+/-120.558 χ^2/NDF:16.1/15

+ sign 460.020+/-106.898 χ^2/NDF: 76.6/33

All: 245.425+/-76.254 χ^2/NDF: 116.5/68

- sign 23.097+/-108.807 χ^2/NDF: 31.7/34

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.637+/-0.083 χ^2/NDF:493839.9/17

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

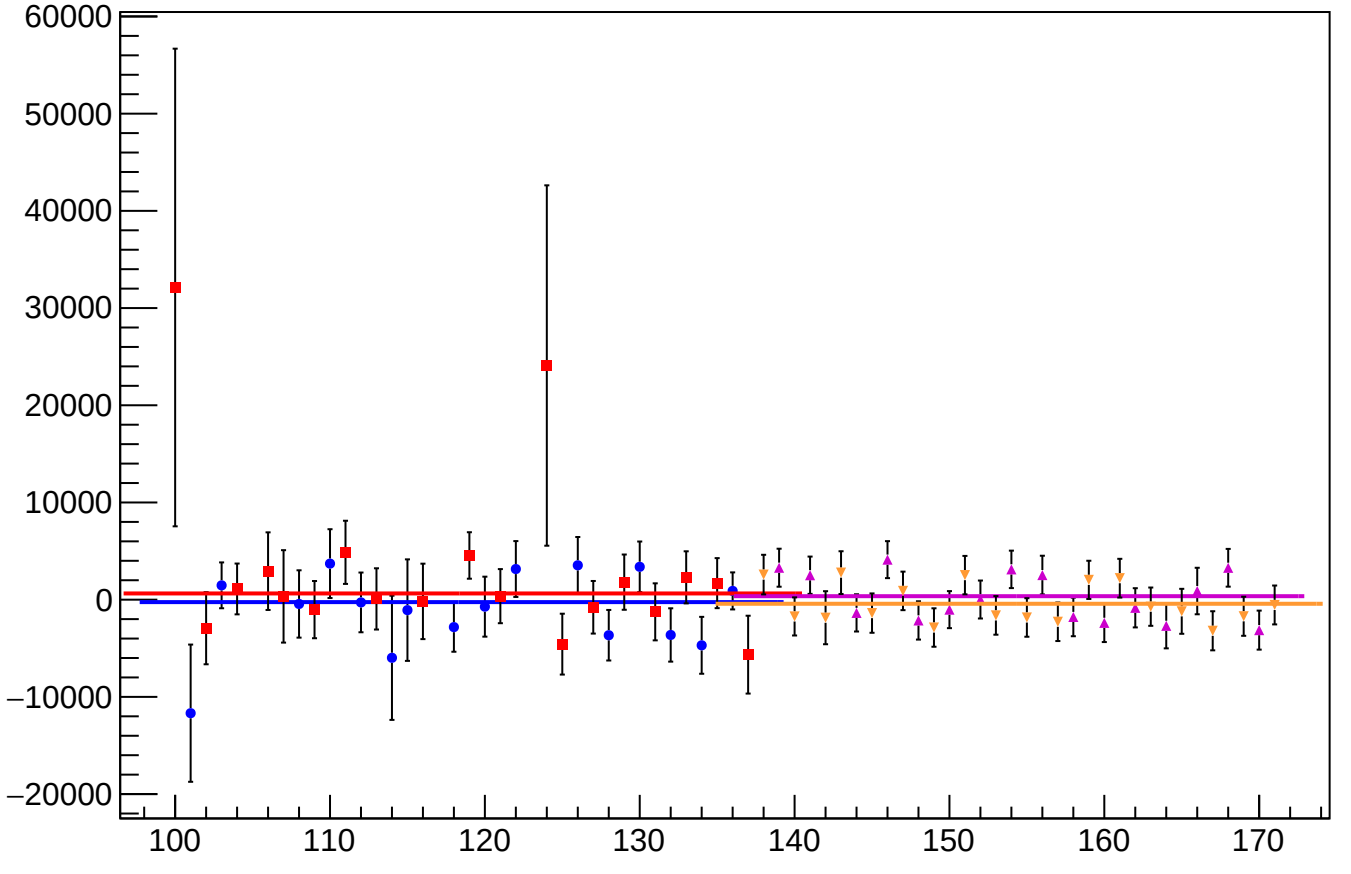
Left In: 435.227+/-0.085 χ^2/NDF:214790.2/15

+ sign 471.662+/-0.076 χ^2/NDF: 3542652.3/33

All: 468.488+/-0.054 χ^2/NDF: 7358143.5/68

- sign 465.200+/-0.077 χ^2/NDF: 3811902.1/34

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -421.387+/-481.338 χ^2/NDF:17.0/17

Right Out: 640.865+/-736.549 χ^2/NDF: 16.0/18

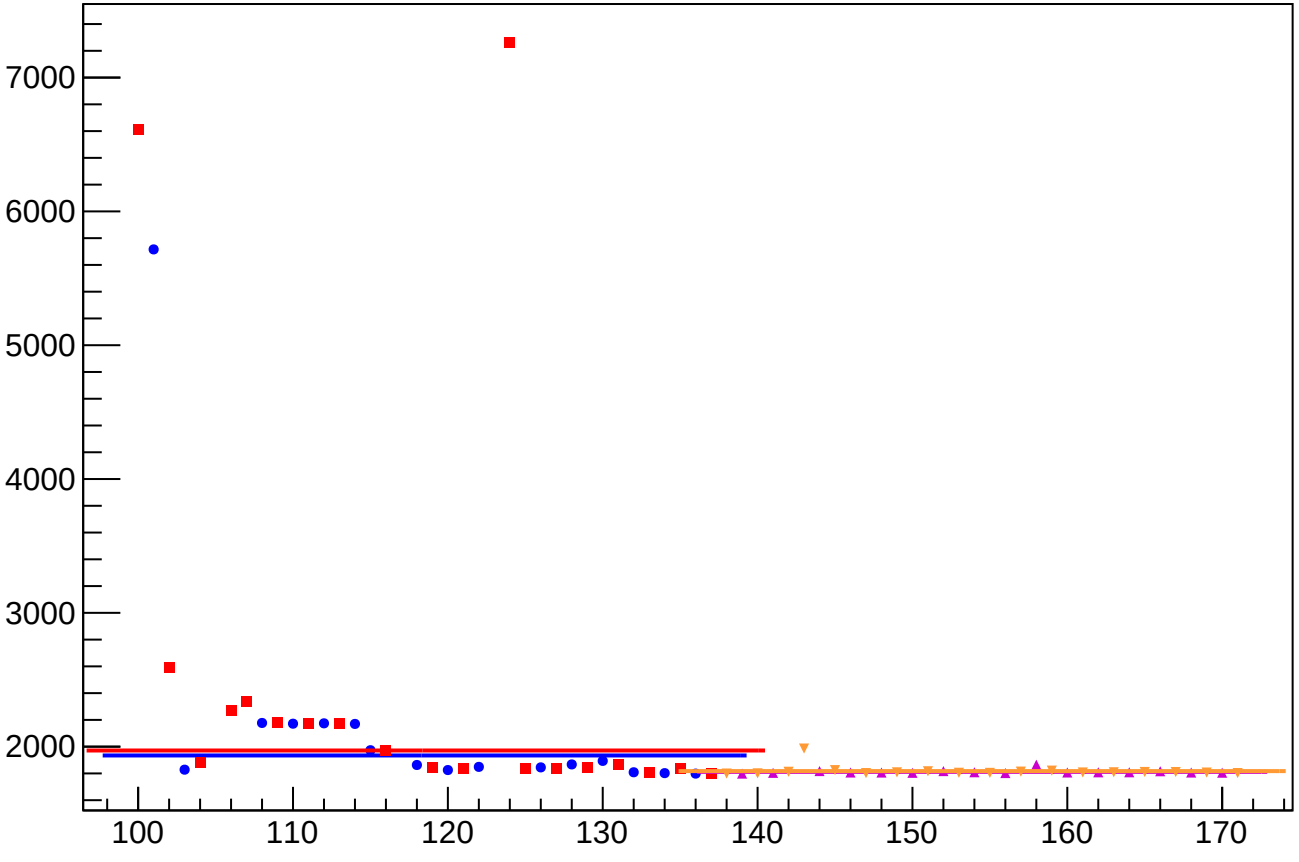
Left In: 359.366+/-498.205 χ^2/NDF:24.1/15

+ sign -370.103+/-402.693 χ^2/NDF: 34.2/33

All: 28.810+/-288.209 χ^2/NDF: 76.4/68

- sign 447.730+/-412.667 χ^2/NDF: 40.2/34

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

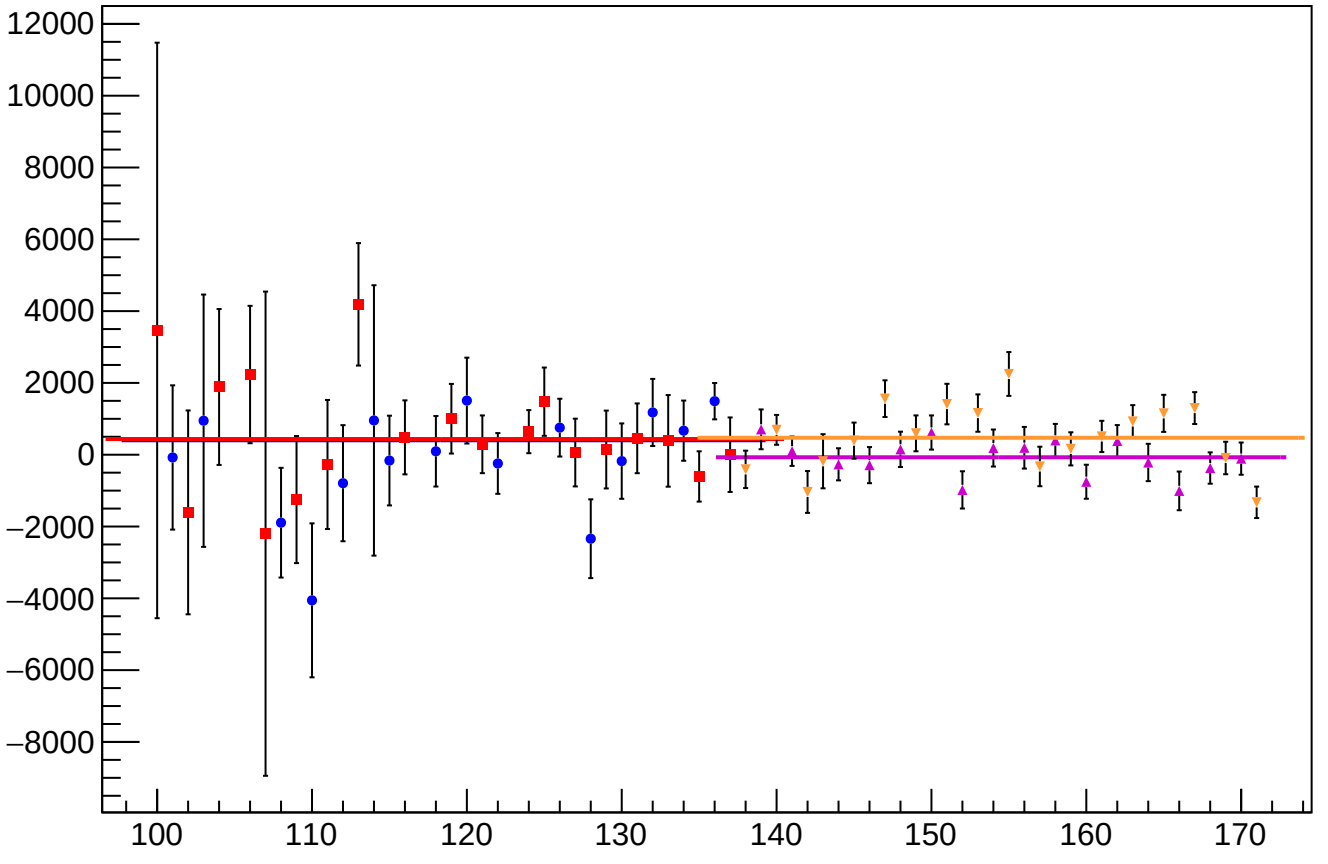
Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.539+/-0.352 χ^2/NDF:1770.8/15

+ sign 1852.373+/-0.285 χ^2/NDF: 688074.8/33

All: 1856.925+/-0.204 χ^2/NDF: 1138151.2/68

- sign 1861.706+/-0.292 χ^2/NDF: 449552.2/34



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 471.837+/-117.401 χ^2/NDF:55.4/17

Right Out: 436.691+/-252.672 χ^2/NDF: 12.4/18

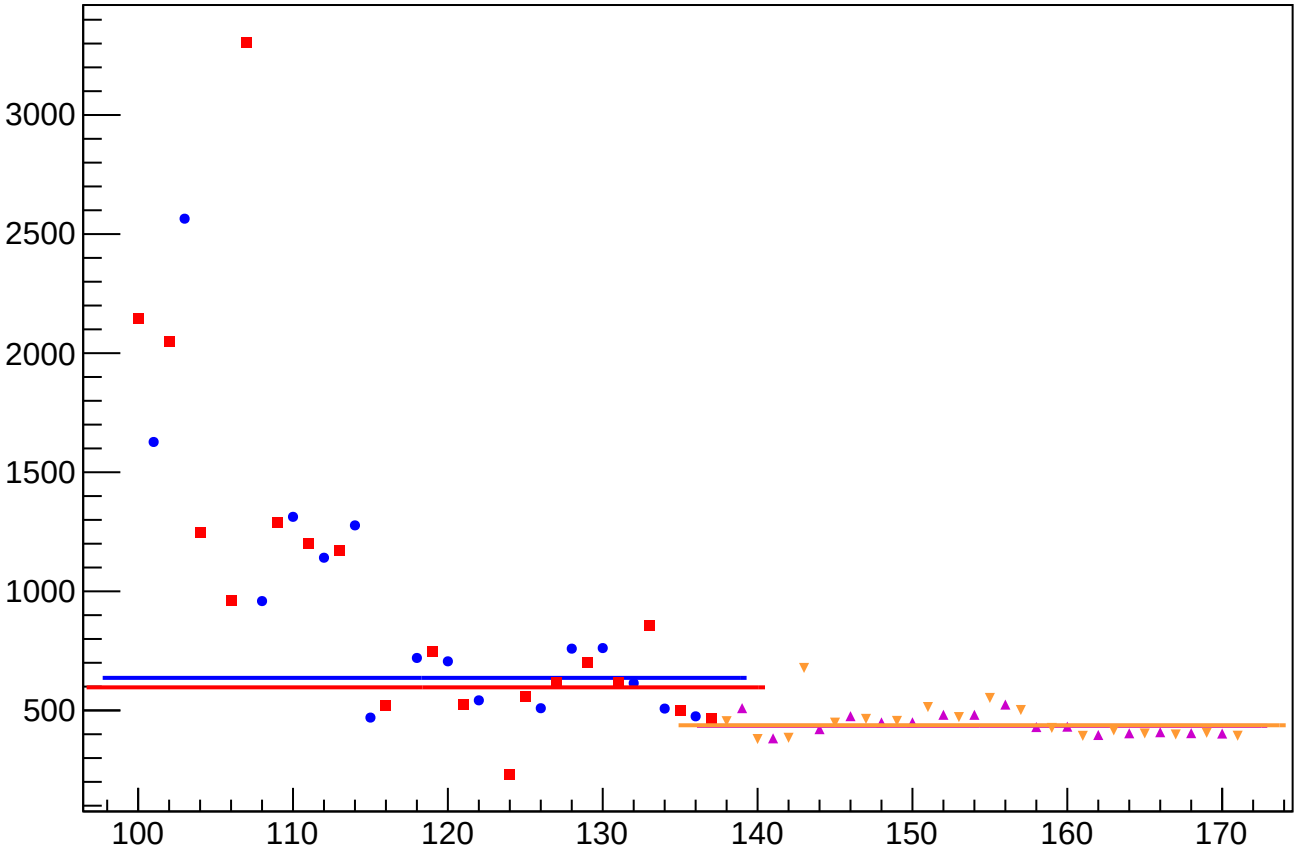
Left In: -71.059+/-120.558 χ^2/NDF:16.1/15

+ sign 460.020+/-106.898 χ^2/NDF: 76.6/33

All: 245.425+/-76.254 χ^2/NDF: 116.5/68

- sign 23.097+/-108.807 χ^2/NDF: 31.7/34

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.637+/-0.083 χ^2/NDF:493839.9/17

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

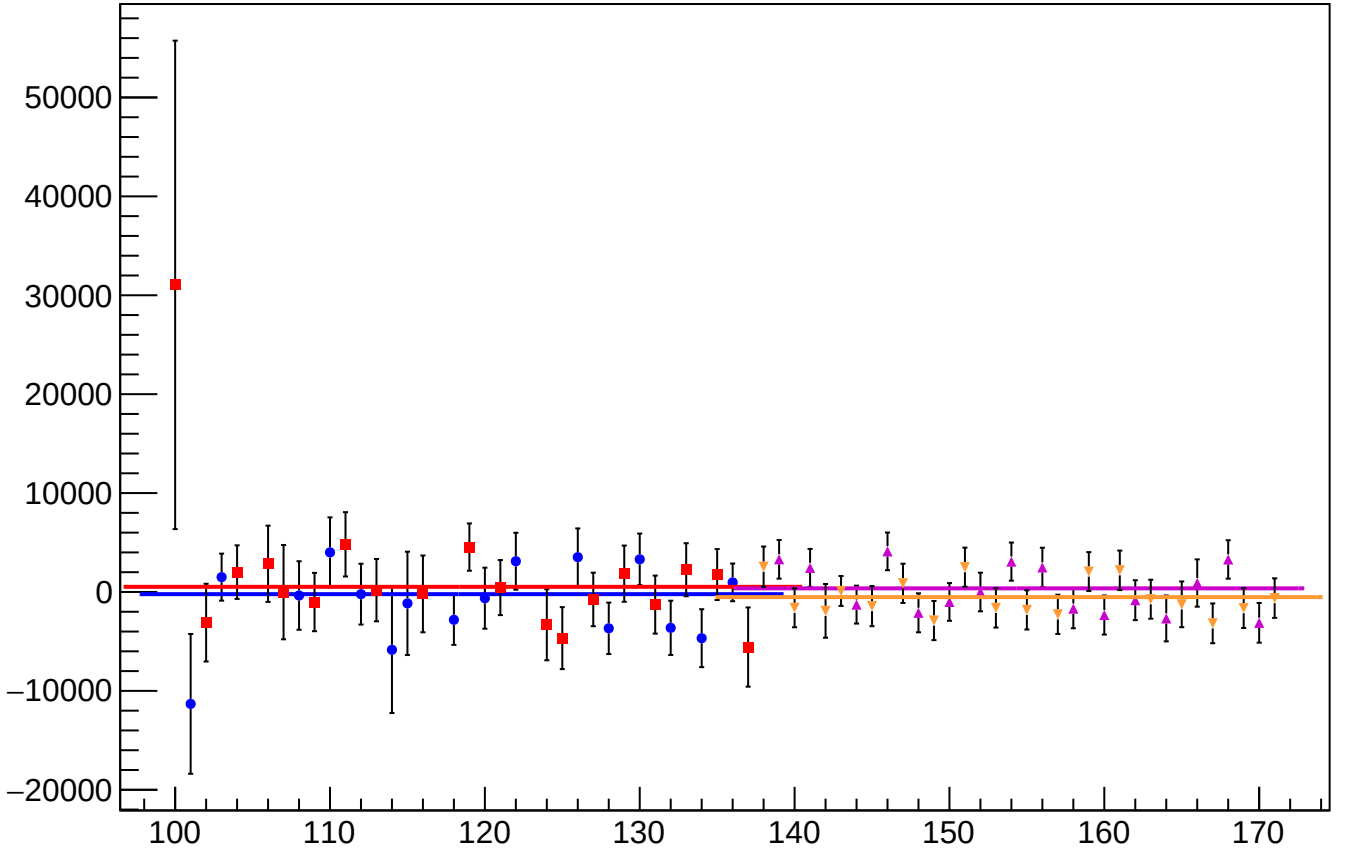
Left In: 435.227+/-0.085 χ^2/NDF:214790.2/15

+ sign 471.662+/-0.076 χ^2/NDF: 3542652.3/33

All: 468.488+/-0.054 χ^2/NDF: 7358143.5/68

- sign 465.200+/-0.077 χ^2/NDF: 3811902.1/34

dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -518.478+/-468.993 χ^2/NDF:14.7/17

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

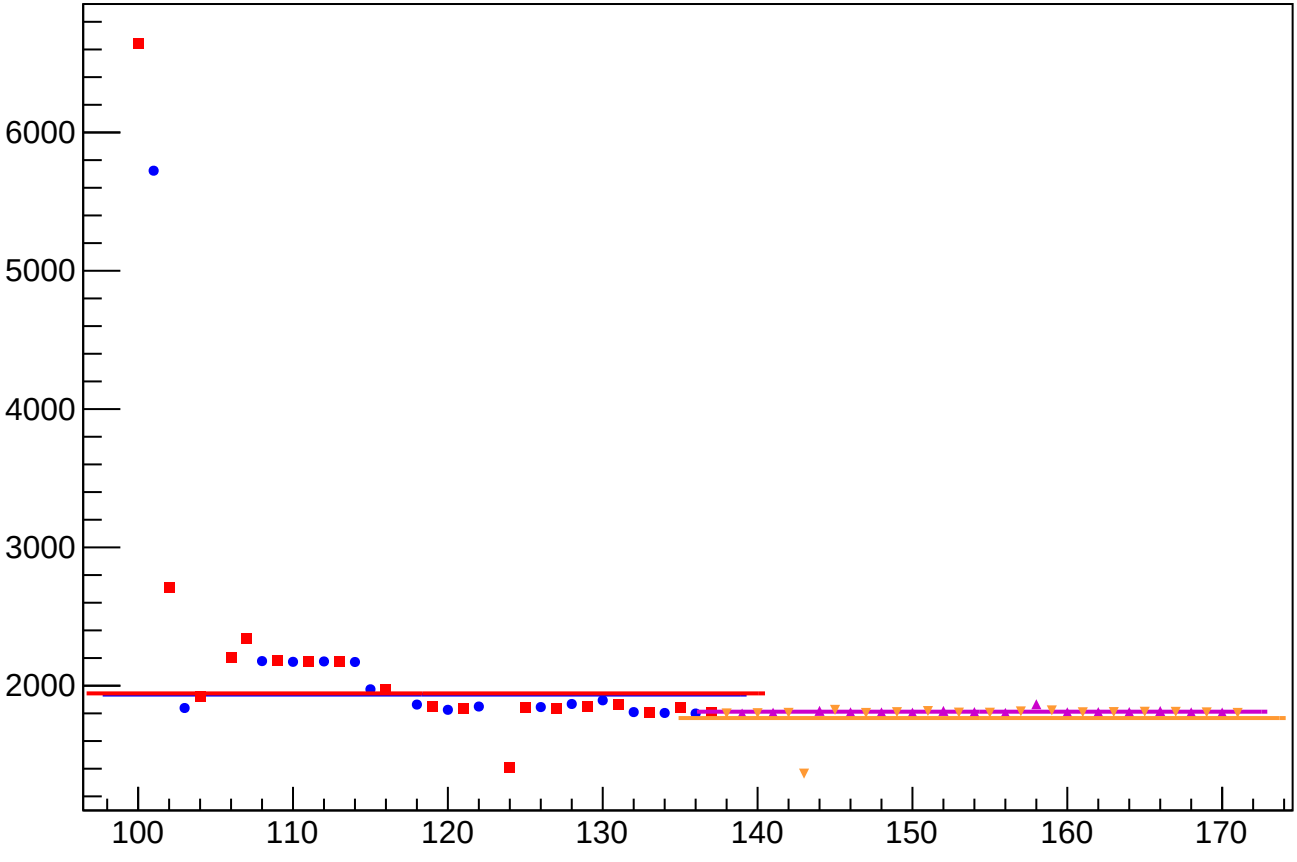
Left In: 367.353+/-498.372 χ^2/NDF:23.6/15

+ sign -432.376+/-395.501 χ^2/NDF: 32.0/33

All: -23.966+/-284.881 χ^2/NDF: 73.4/68

- sign 416.424+/-410.693 χ^2/NDF: 39.2/34

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1766.146+/-0.332 χ^2/NDF:157223.5/17

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

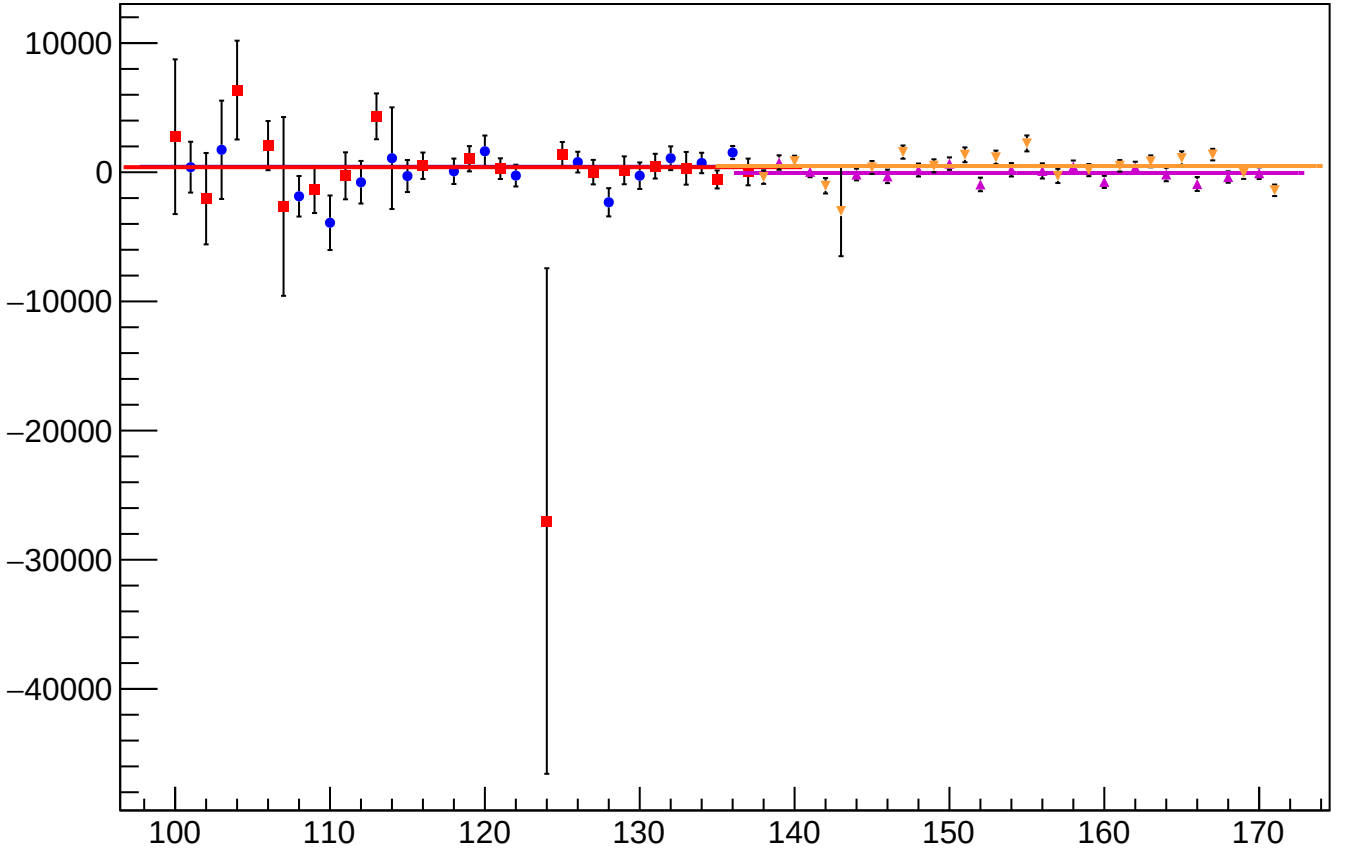
Left In: 1812.148+/-0.352 χ^2/NDF:1766.3/15

+ sign 1815.200+/-0.280 χ^2/NDF: 872782.8/33

All: 1834.168+/-0.201 χ^2/NDF: 1205594.1/68

- sign 1854.620+/-0.290 χ^2/NDF: 323251.6/34

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 483.111+/-120.492 χ^2/NDF:54.8/17

Right Out: 393.590+/-279.562 χ^2/NDF: 15.9/18

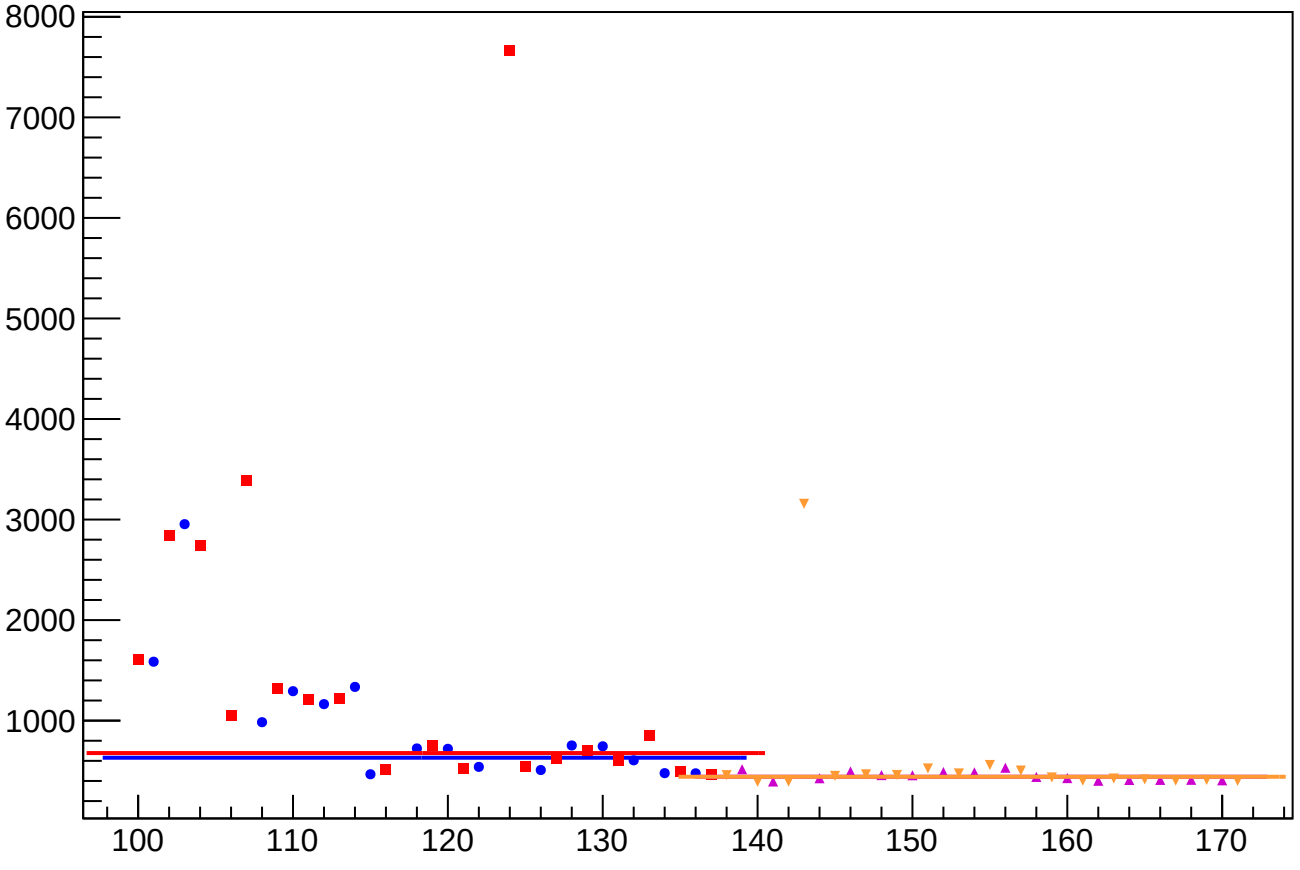
Left In: -56.667+/-122.304 χ^2/NDF:15.2/15

+ sign 471.927+/-109.077 χ^2/NDF: 76.3/33

All: 249.929+/-78.159 χ^2/NDF: 118.1/68

- sign 15.665+/-112.050 χ^2/NDF: 33.3/34

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 441.796+/-0.085 χ^2/NDF:1466803.4/17

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

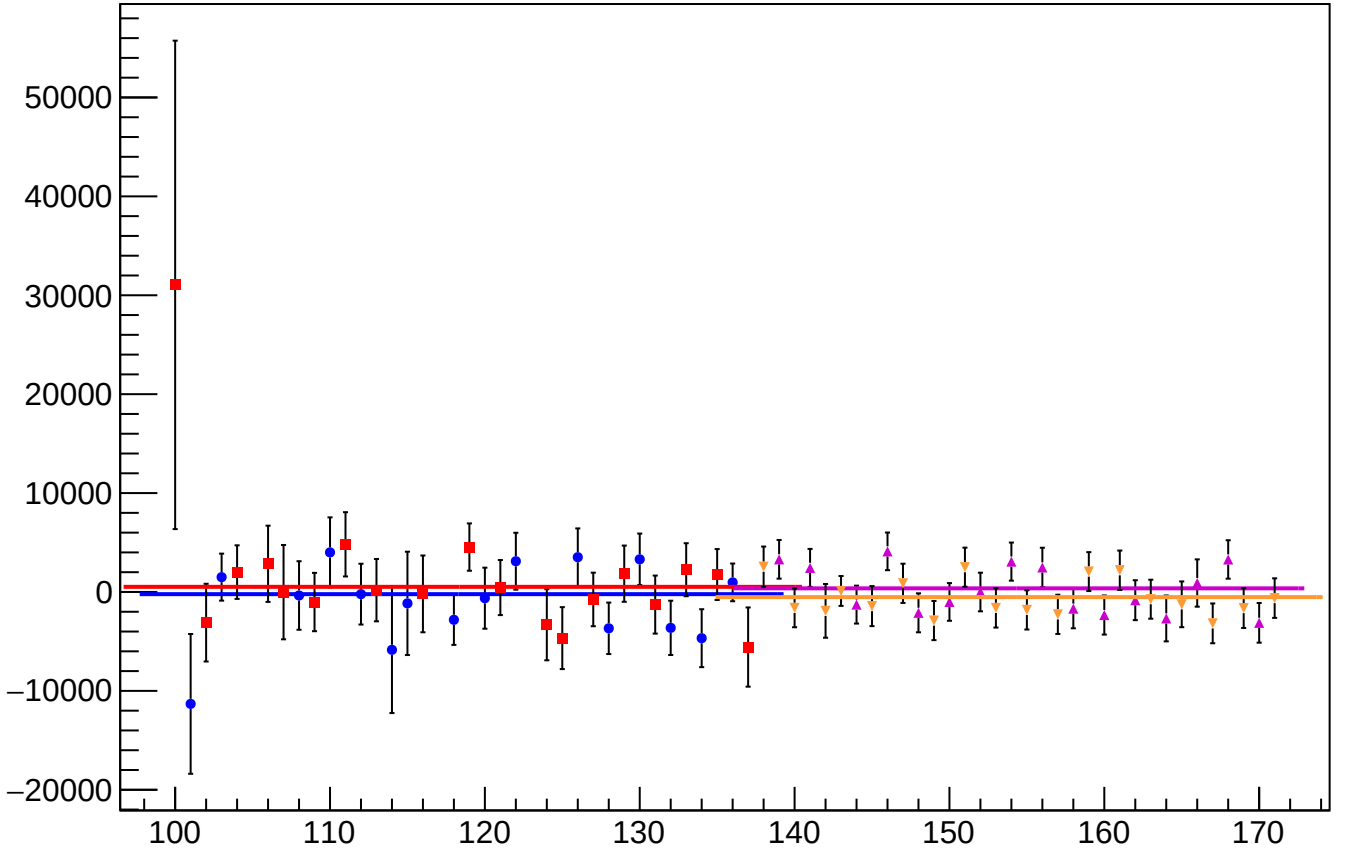
Left In: 441.960+/-0.086 χ^2/NDF:216531.4/15

+ sign 475.971+/-0.077 χ^2/NDF: 4592671.5/33

All: 477.828+/-0.055 χ^2/NDF: 9082976.7/68

- sign 479.789+/-0.079 χ^2/NDF: 4489113.0/34

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -518.479+/-468.993 χ^2/NDF:14.7/17

Right Out: 520.265+/-724.980 χ^2/NDF: 15.6/18

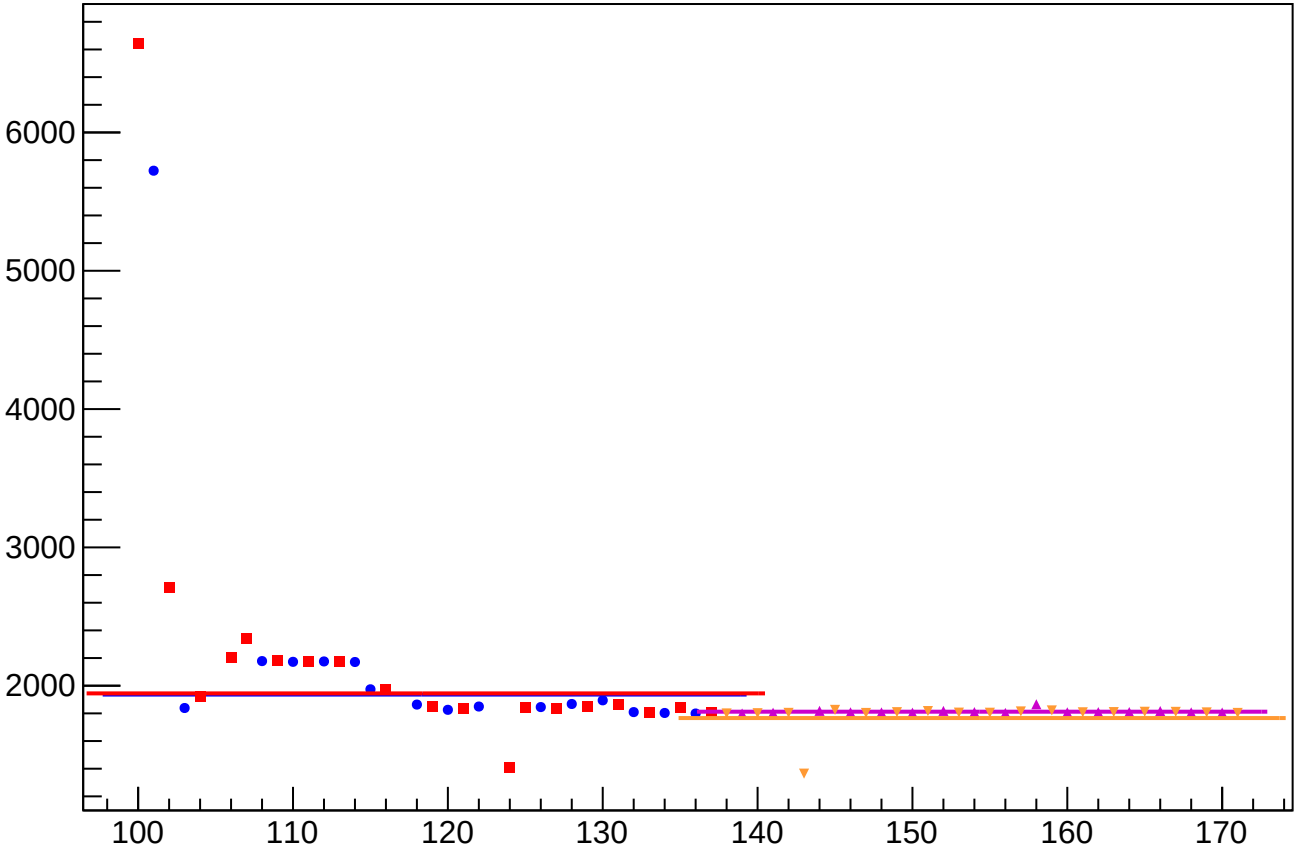
Left In: 367.353+/-498.372 χ^2/NDF:23.6/15

+ sign -432.377+/-395.501 χ^2/NDF: 32.0/33

All: -23.967+/-284.881 χ^2/NDF: 73.4/68

- sign 416.424+/-410.693 χ^2/NDF: 39.2/34

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1766.146+/-0.332 χ^2/NDF:157223.5/17

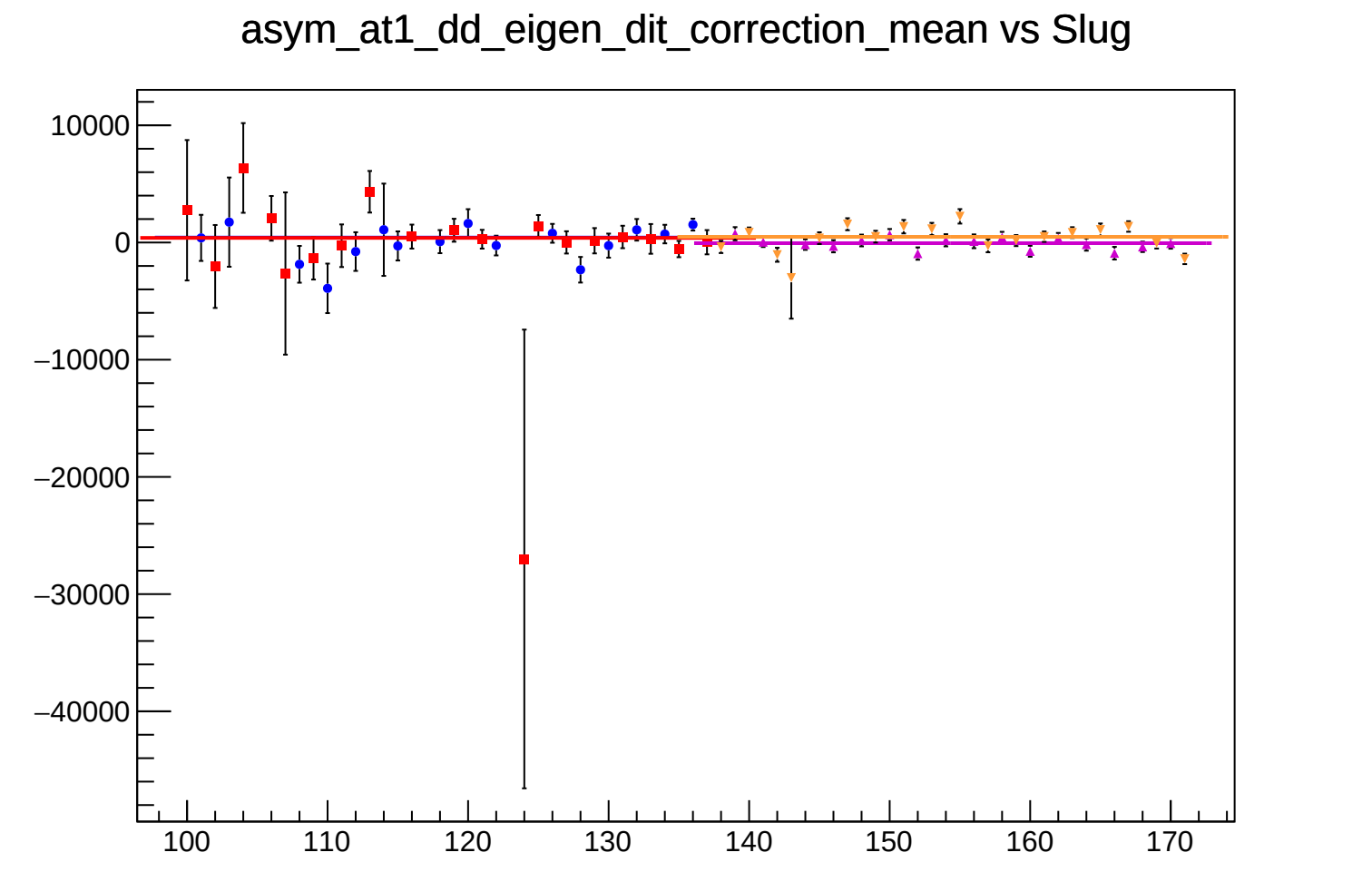
Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.148+/-0.352 χ^2/NDF:1766.3/15

+ sign 1815.200+/-0.280 χ^2/NDF: 872782.8/33

All: 1834.167+/-0.201 χ^2/NDF: 1205593.8/68

- sign 1854.620+/-0.290 χ^2/NDF: 323251.4/34



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 483.111+/-120.492 χ^2/NDF:54.8/17

Right Out: 393.591+/-279.562 χ^2/NDF: 15.9/18

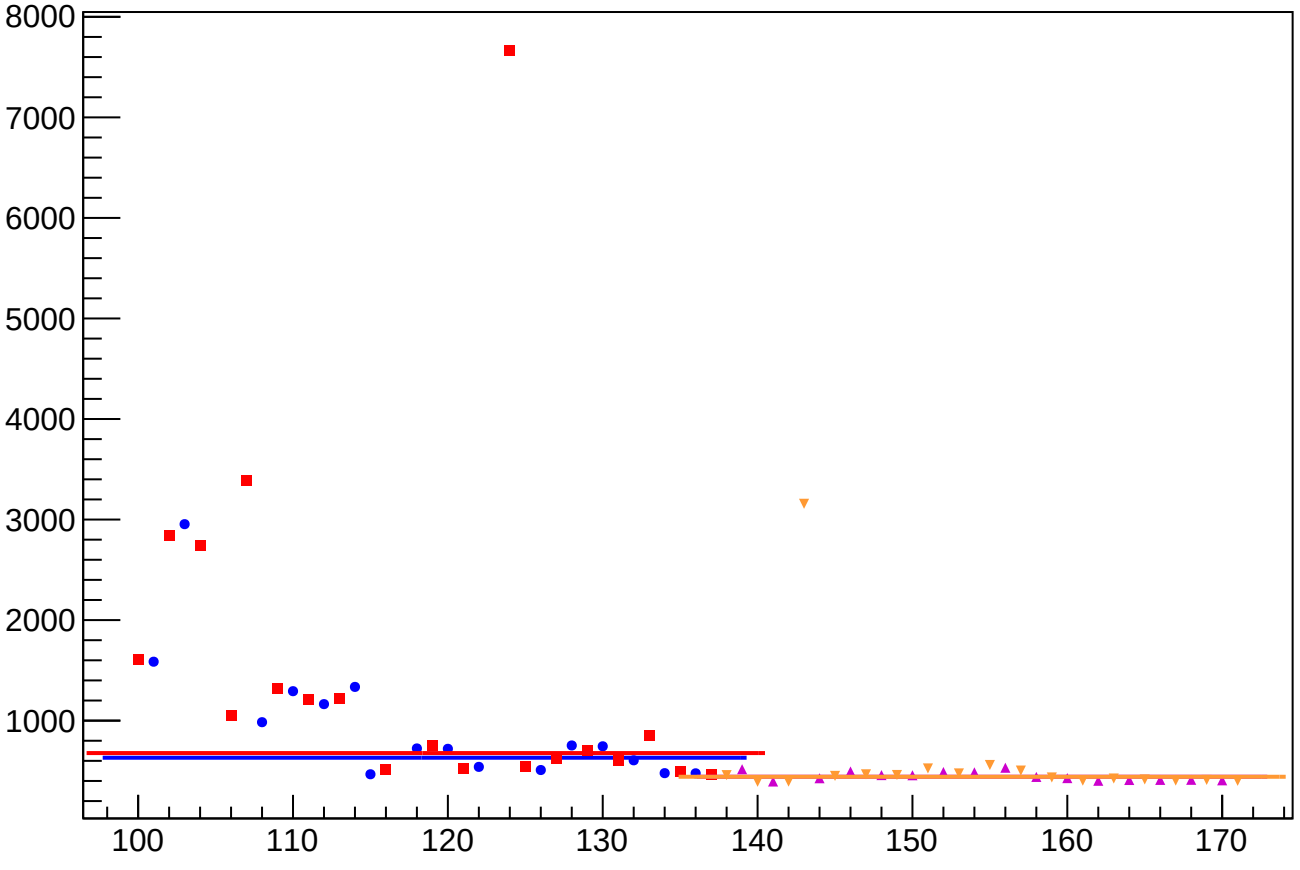
Left In: -56.668+/-122.304 χ^2/NDF:15.2/15

+ sign 471.926+/-109.077 χ^2/NDF: 76.3/33

All: 249.928+/-78.159 χ^2/NDF: 118.1/68

- sign 15.664+/-112.050 χ^2/NDF: 33.3/34

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 441.796+/-0.085 χ^2/NDF:1466805.1/17

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

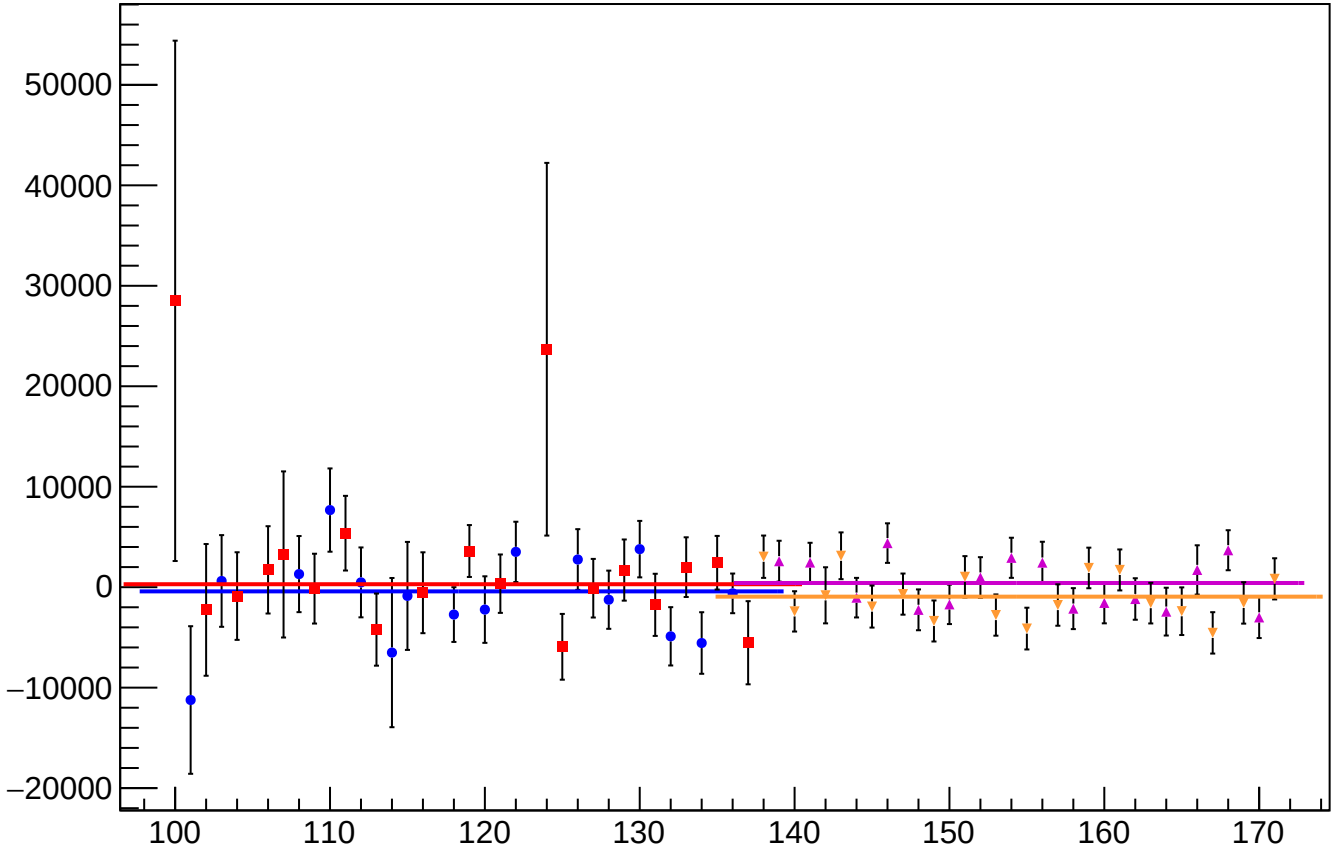
Left In: 441.960+/-0.086 χ^2/NDF:216534.1/15

+ sign 475.970+/-0.077 χ^2/NDF: 4592673.4/33

All: 477.828+/-0.055 χ^2/NDF: 9082982.5/68

- sign 479.788+/-0.079 χ^2/NDF: 4489116.8/34

asym_at1_dd_mean vs Slug



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -943.364+/-496.818 χ^2/NDF:21.1/17

Right Out: 294.527+/-831.610 χ^2/NDF: 15.6/18

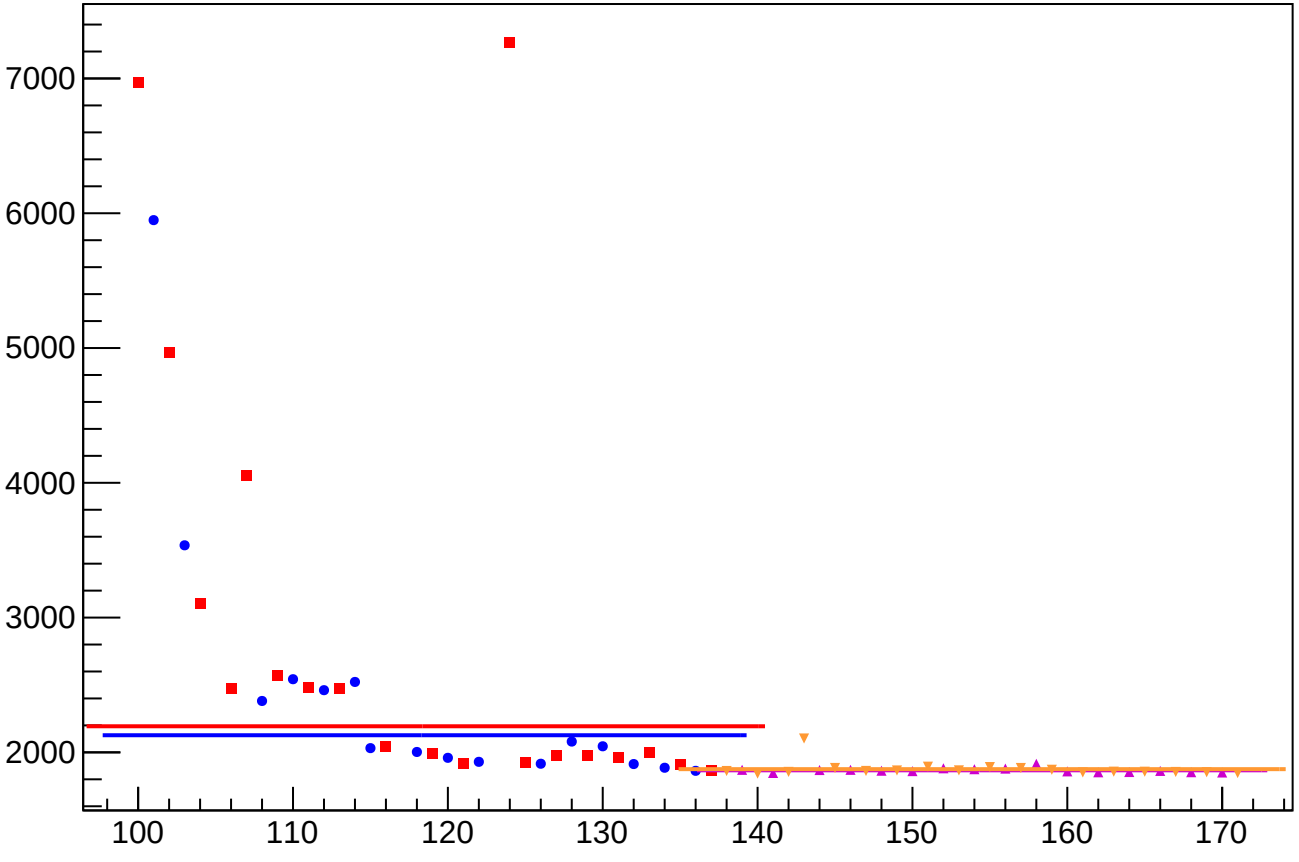
Left In: 416.544+/-513.411 χ^2/NDF:22.6/15

+ sign -801.031+/-424.264 χ^2/NDF: 39.7/33

All: -226.398+/-304.357 χ^2/NDF: 81.8/68

- sign 382.872+/-436.863 χ^2/NDF: 38.3/34

asym_at1_dd_rms vs Slug



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1875.411+/-0.351 χ^2/NDF:21787.1/17

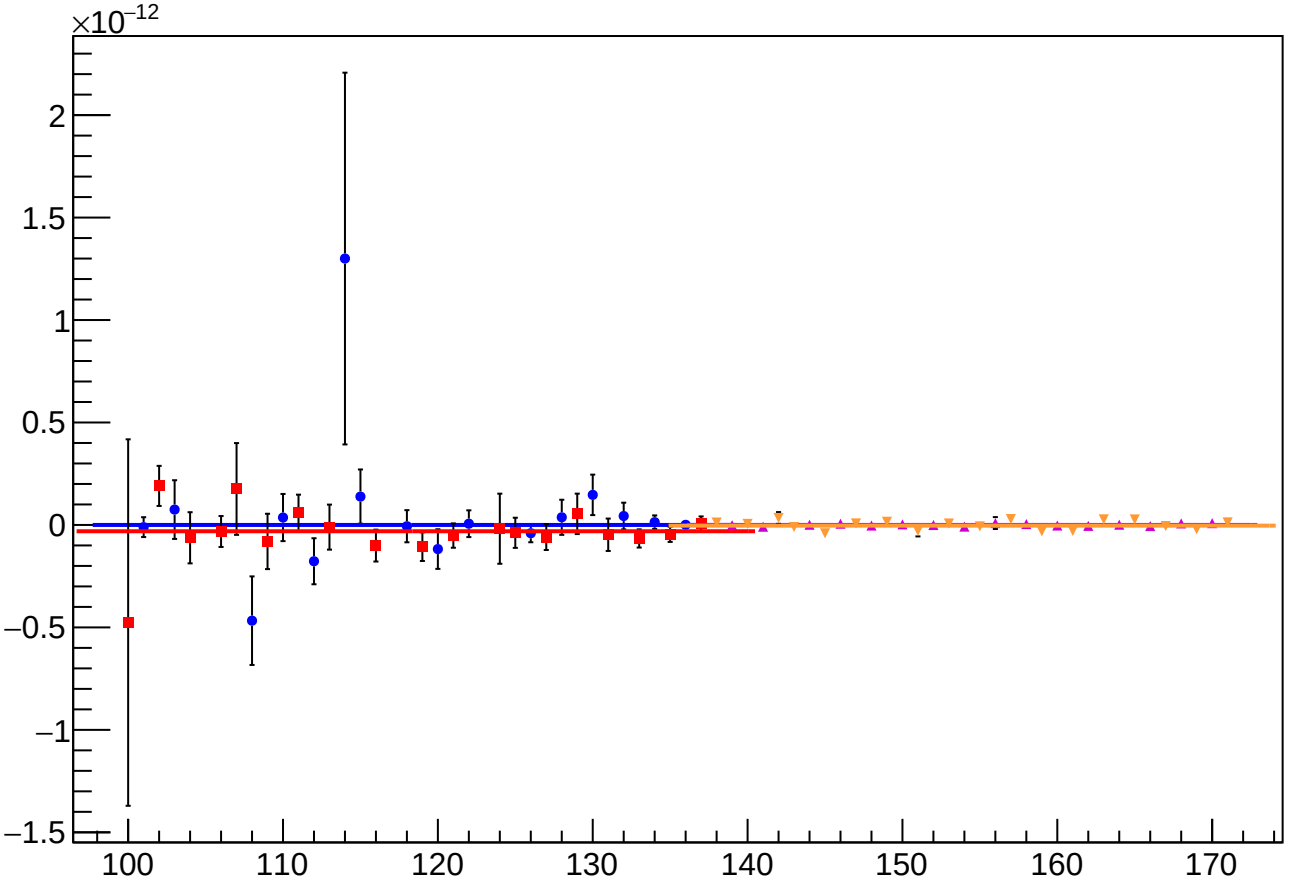
Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1866.809+/-0.363 χ^2/NDF:1995.8/15

+ sign 1943.539+/-0.300 χ^2/NDF: 1035772.9/33

All: 1950.063+/-0.215 χ^2/NDF: 2204879.7/68

- sign 1956.981+/-0.309 χ^2/NDF: 1168132.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

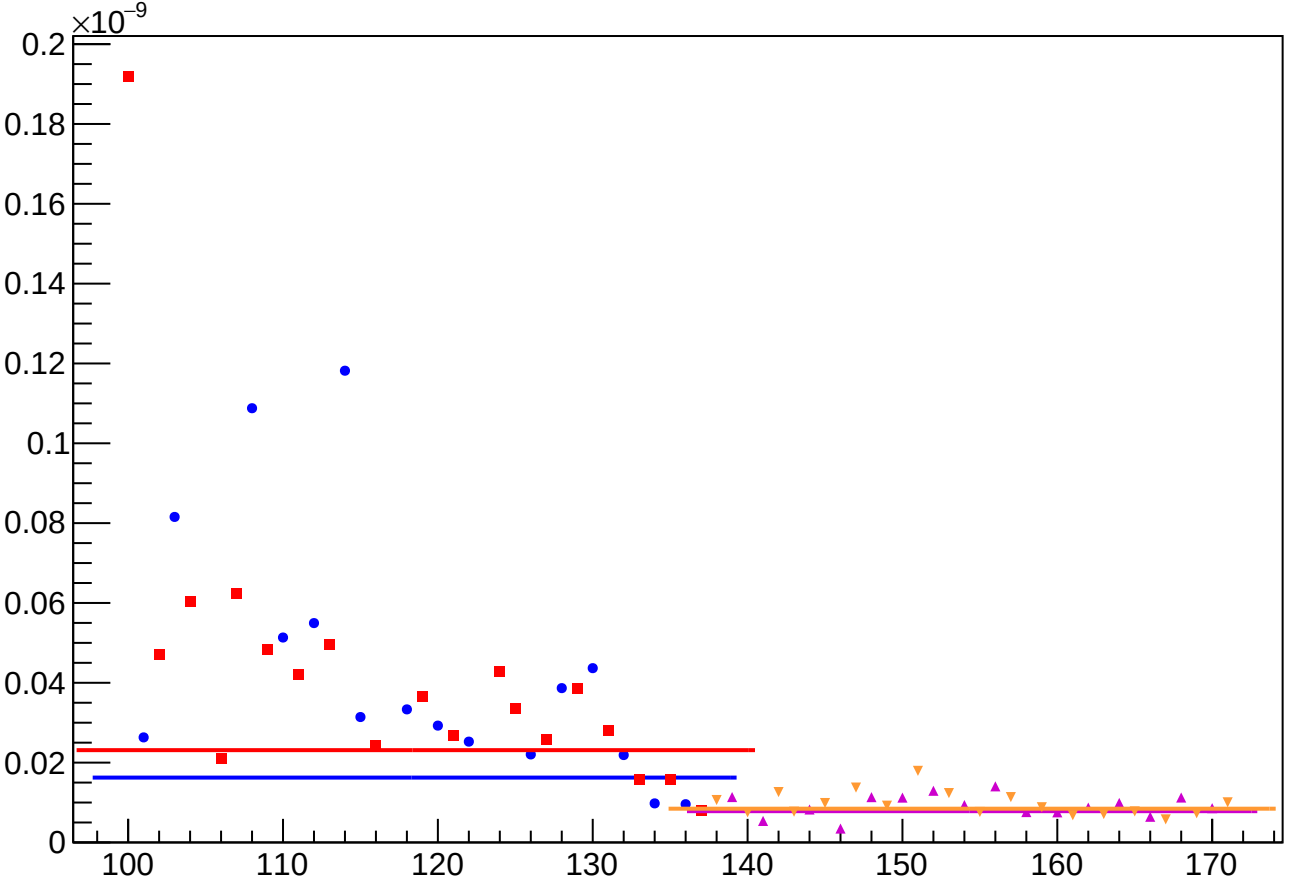
Left In: 0.000+/-0.000 χ^2/NDF:2.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/33

All: -0.000+/-0.000 χ^2/NDF: 64.2/68

- sign -0.000+/-0.000 χ^2/NDF: 18.1/34

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:767899.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

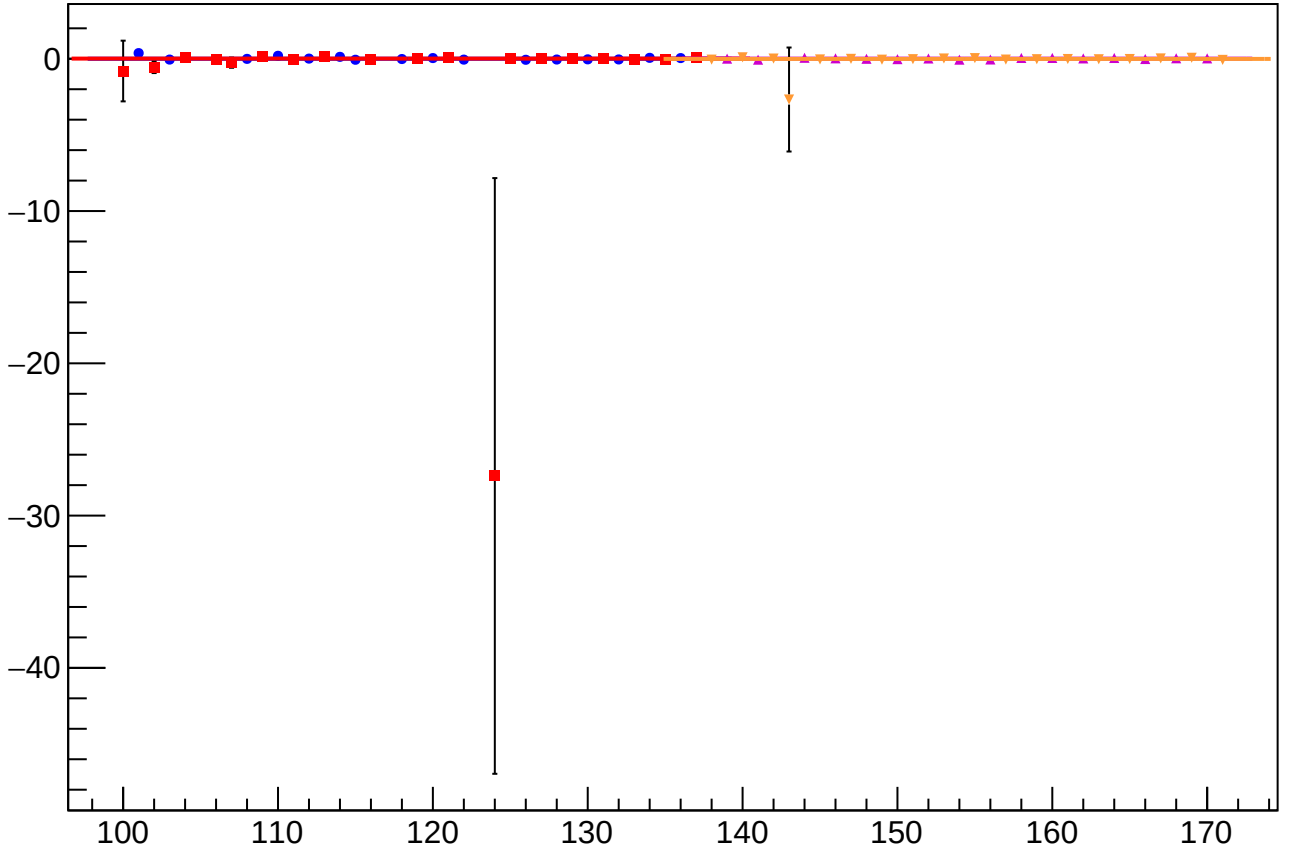
Left In: 0.000+/-0.000 χ^2/NDF:984223.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 3835415.4/33

All: 0.000+/-0.000 χ^2/NDF: 8029140.5/68

- sign 0.000+/-0.000 χ^2/NDF: 4177368.4/34

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

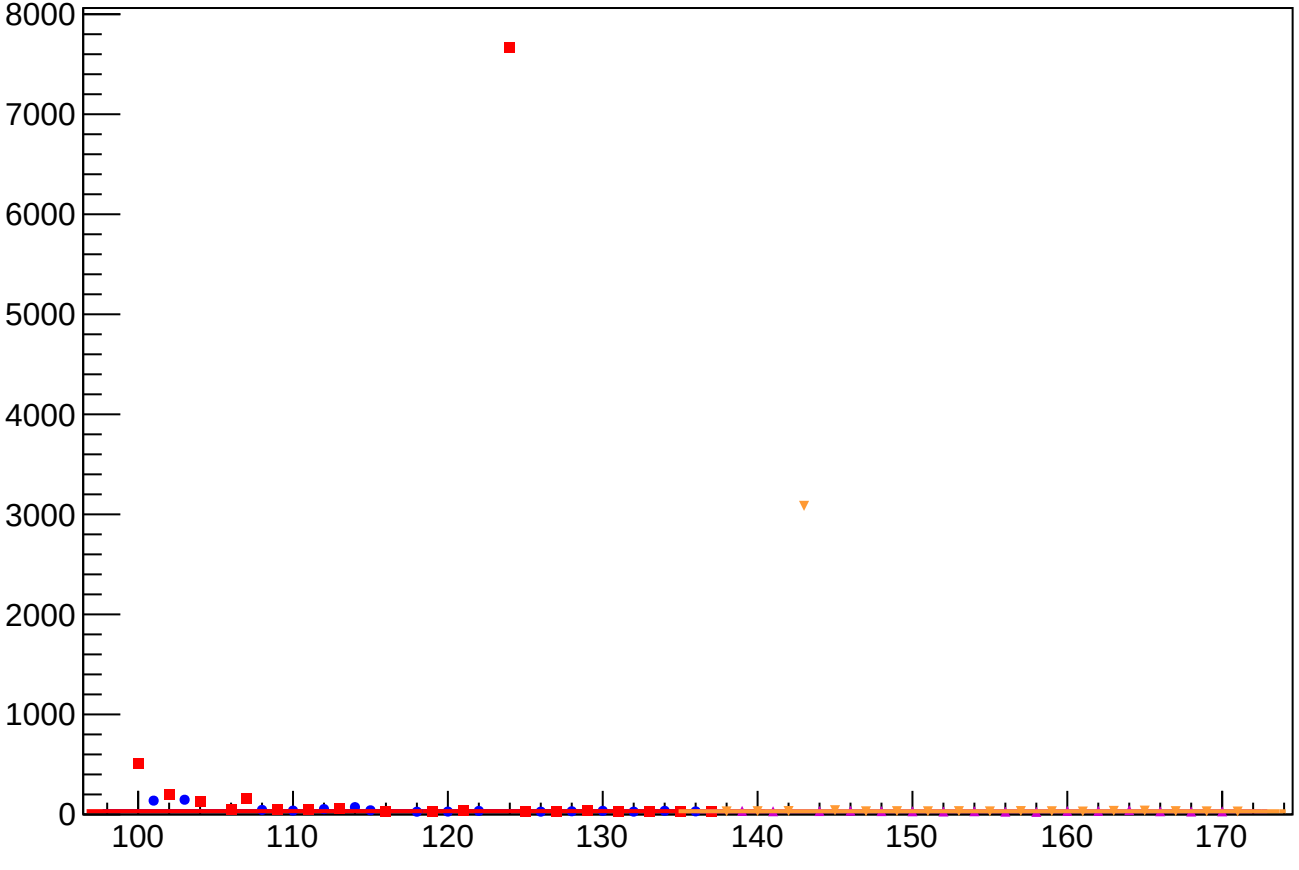
Left In: 0.008+/-0.010 χ^2/NDF:17.2/15

+ sign -0.006+/-0.008 χ^2/NDF: 46.0/33

All: 0.002+/-0.006 χ^2/NDF: 79.3/68

- sign 0.009+/-0.008 χ^2/NDF: 31.5/34

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.171+/-0.007 χ^2/NDF:1773085.2/17

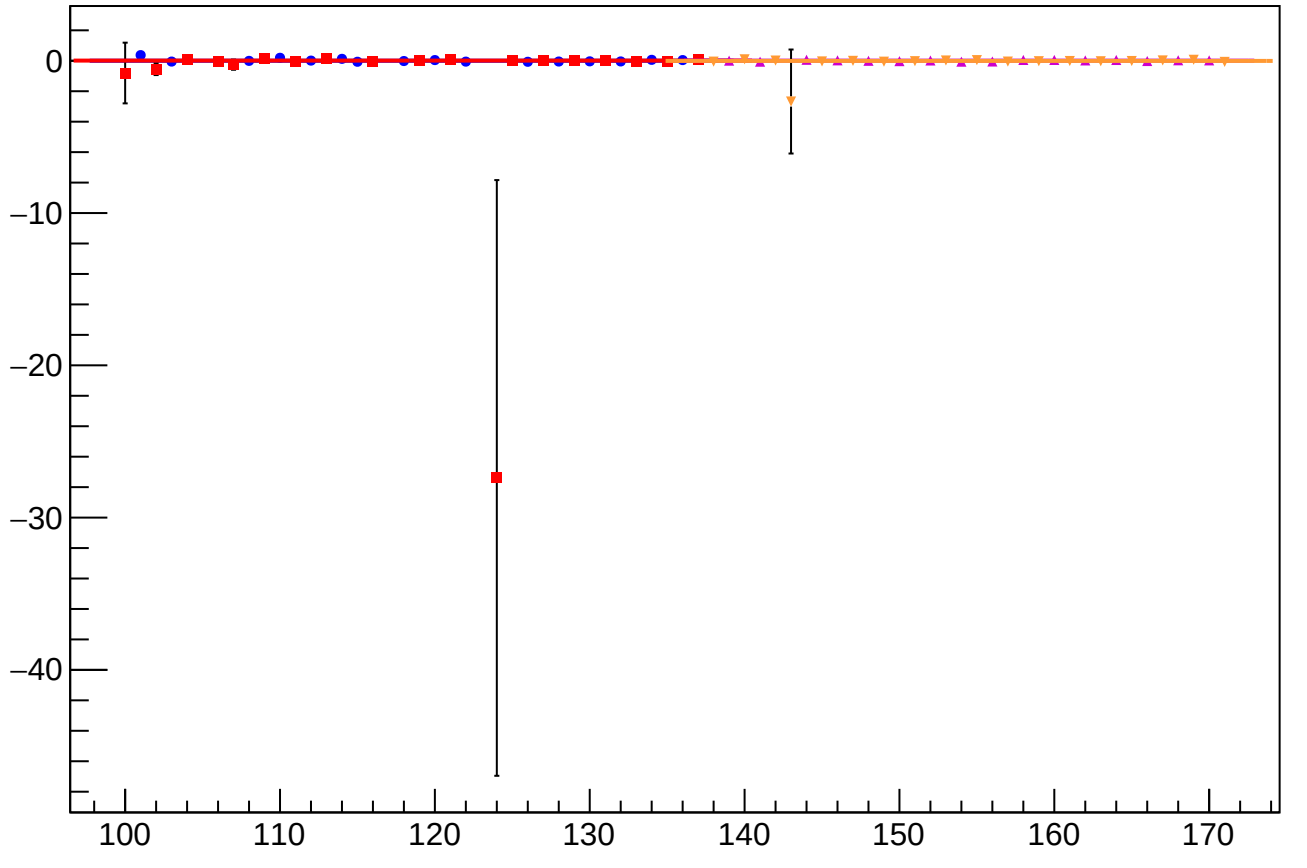
Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.284+/-0.007 χ^2/NDF:266839.0/15

+ sign 32.723+/-0.006 χ^2/NDF: 3513410.1/33

All: 32.625+/-0.004 χ^2/NDF: 5860060.4/68

- sign 32.522+/-0.006 χ^2/NDF: 2346027.4/34



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

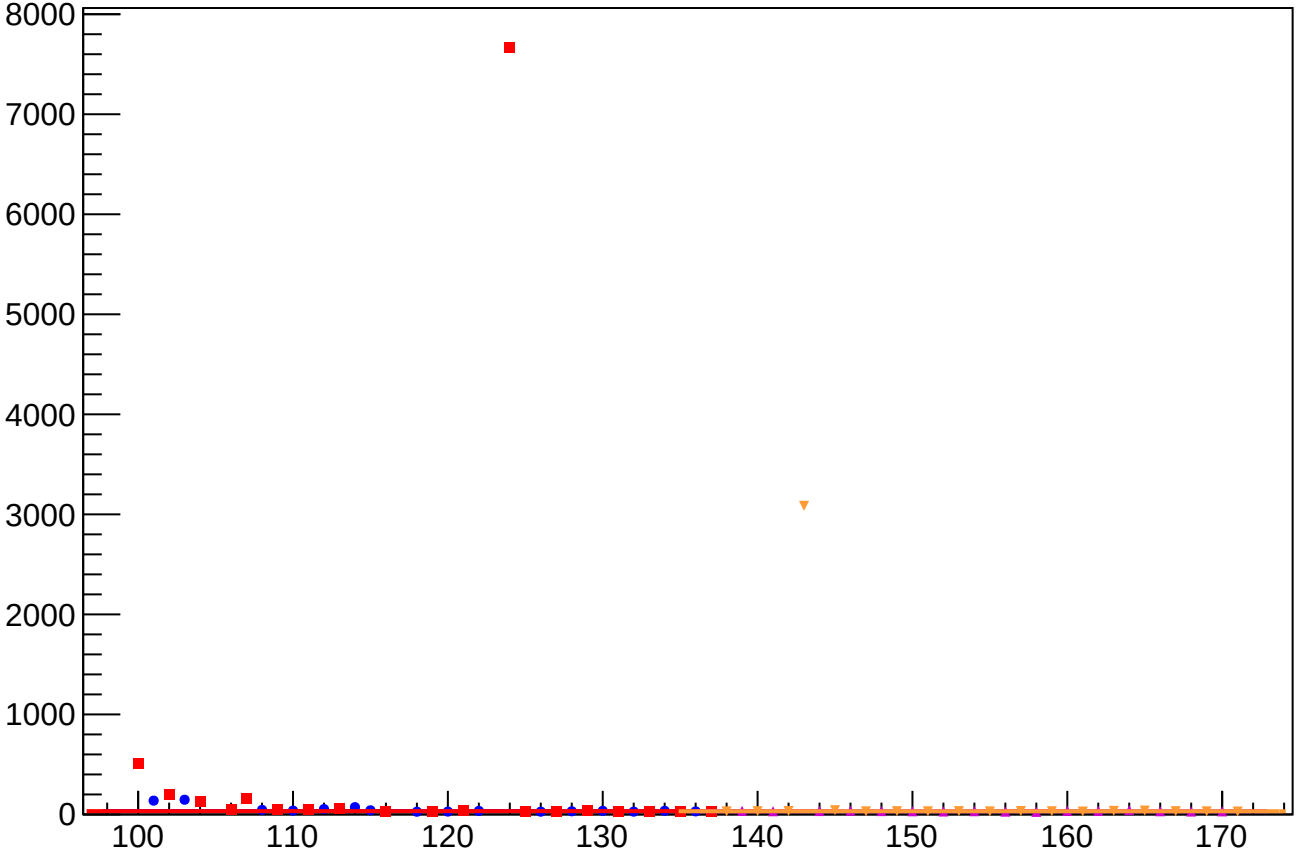
Left In: 0.008+/-0.010 χ^2/NDF:17.2/15

+ sign -0.006+/-0.008 χ^2/NDF: 46.0/33

All: 0.002+/-0.006 χ^2/NDF: 79.3/68

- sign 0.009+/-0.008 χ^2/NDF: 31.5/34

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: 32.171+/-0.007 χ^2/NDF:1773085.2/17

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

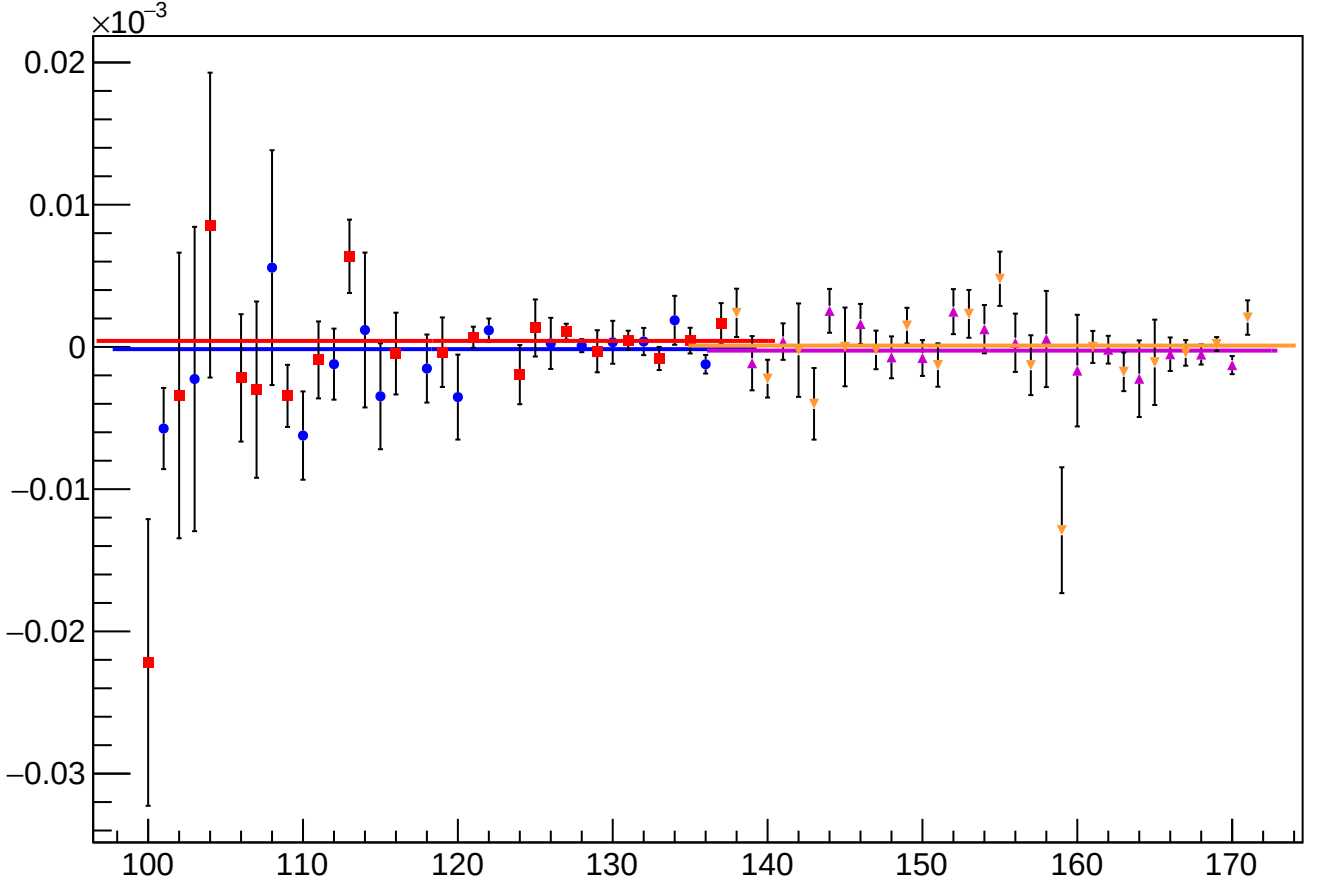
Left In: 32.284+/-0.007 χ^2/NDF:266839.0/15

+ sign 32.723+/-0.006 χ^2/NDF: 3513410.1/33

All: 32.625+/-0.004 χ^2/NDF: 5860060.4/68

- sign 32.522+/-0.006 χ^2/NDF: 2346027.4/34

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

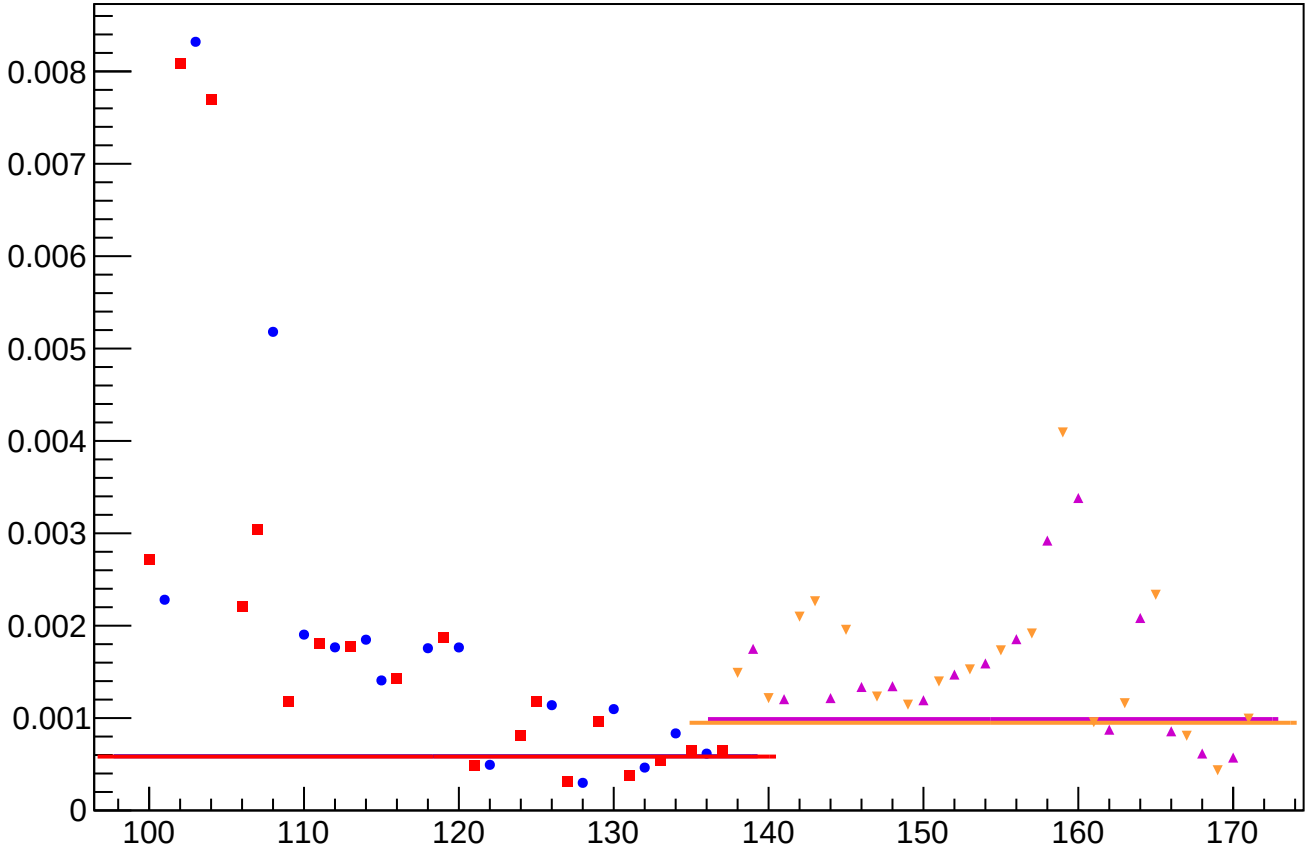
Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/33

All: 0.000+/-0.000 χ^2/NDF: 87.6/68

- sign 0.000+/-0.000 χ^2/NDF: 37.3/34

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:6421660.0/17

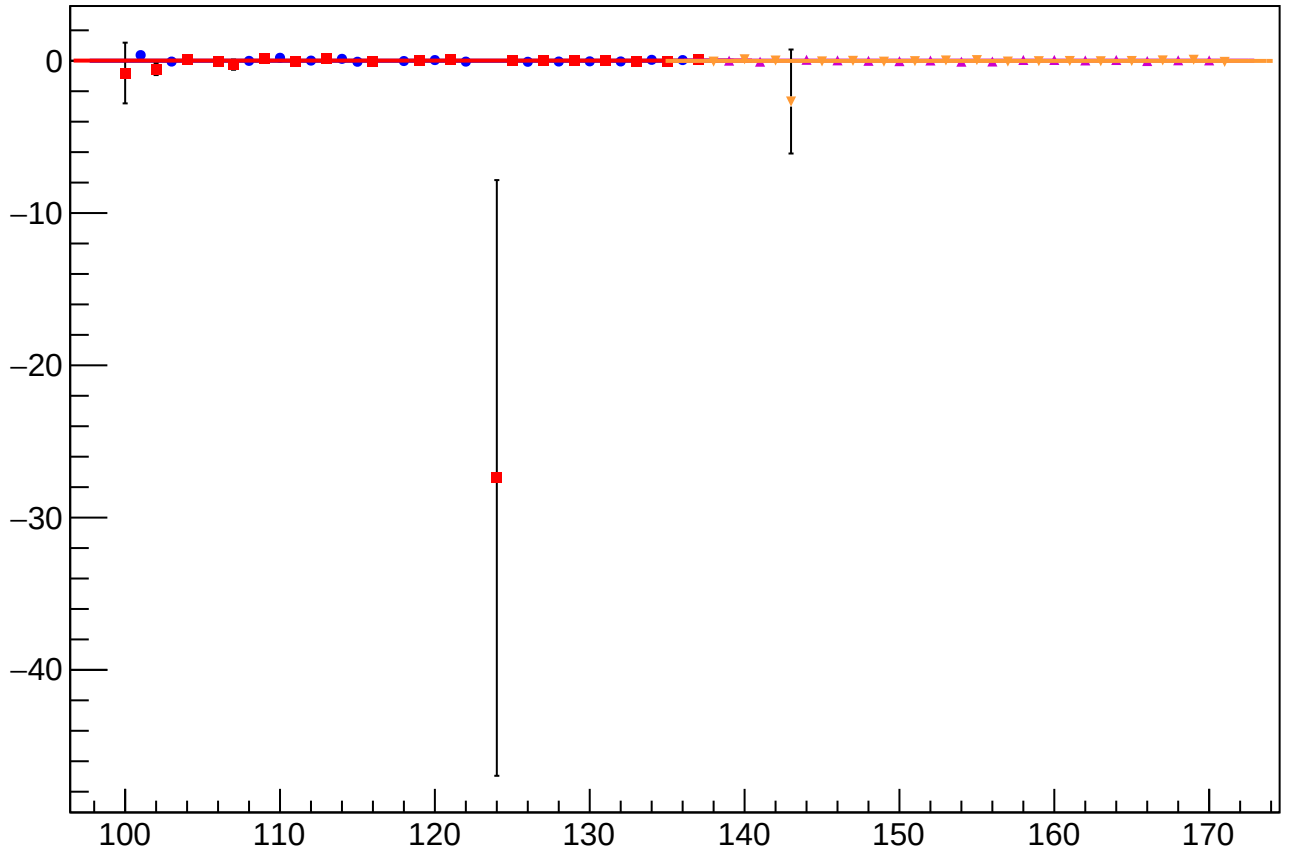
Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:4690996.3/15

+ sign 0.001+/-0.000 χ^2/NDF: 13418895.6/33

All: 0.001+/-0.000 χ^2/NDF: 25400051.6/68

- sign 0.001+/-0.000 χ^2/NDF: 11981018.4/34



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

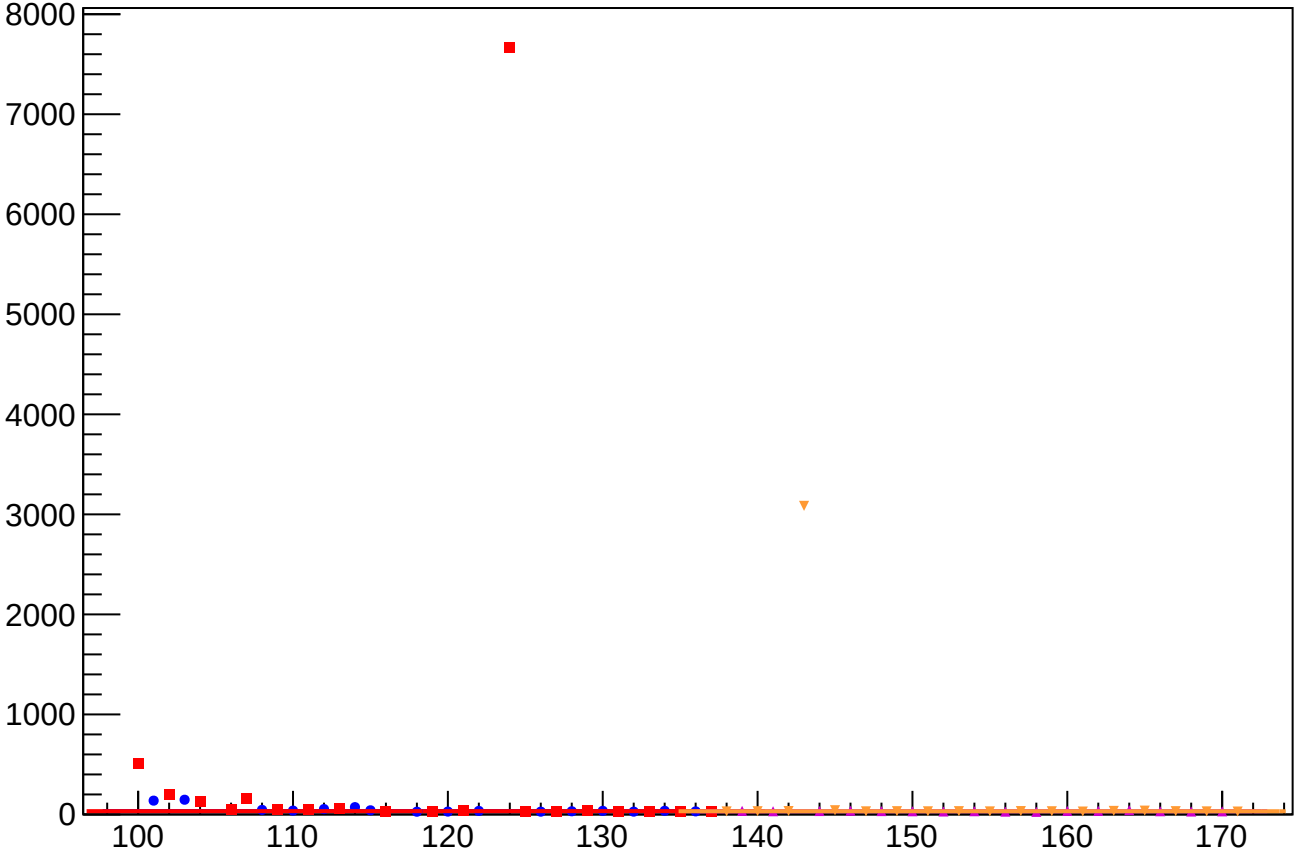
Left In: 0.008+/-0.010 χ^2/NDF:17.2/15

+ sign -0.006+/-0.008 χ^2/NDF: 46.0/33

All: 0.002+/-0.006 χ^2/NDF: 79.3/68

- sign 0.009+/-0.008 χ^2/NDF: 31.5/34

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: 32.171+/-0.007 χ^2/NDF:1773080.5/17

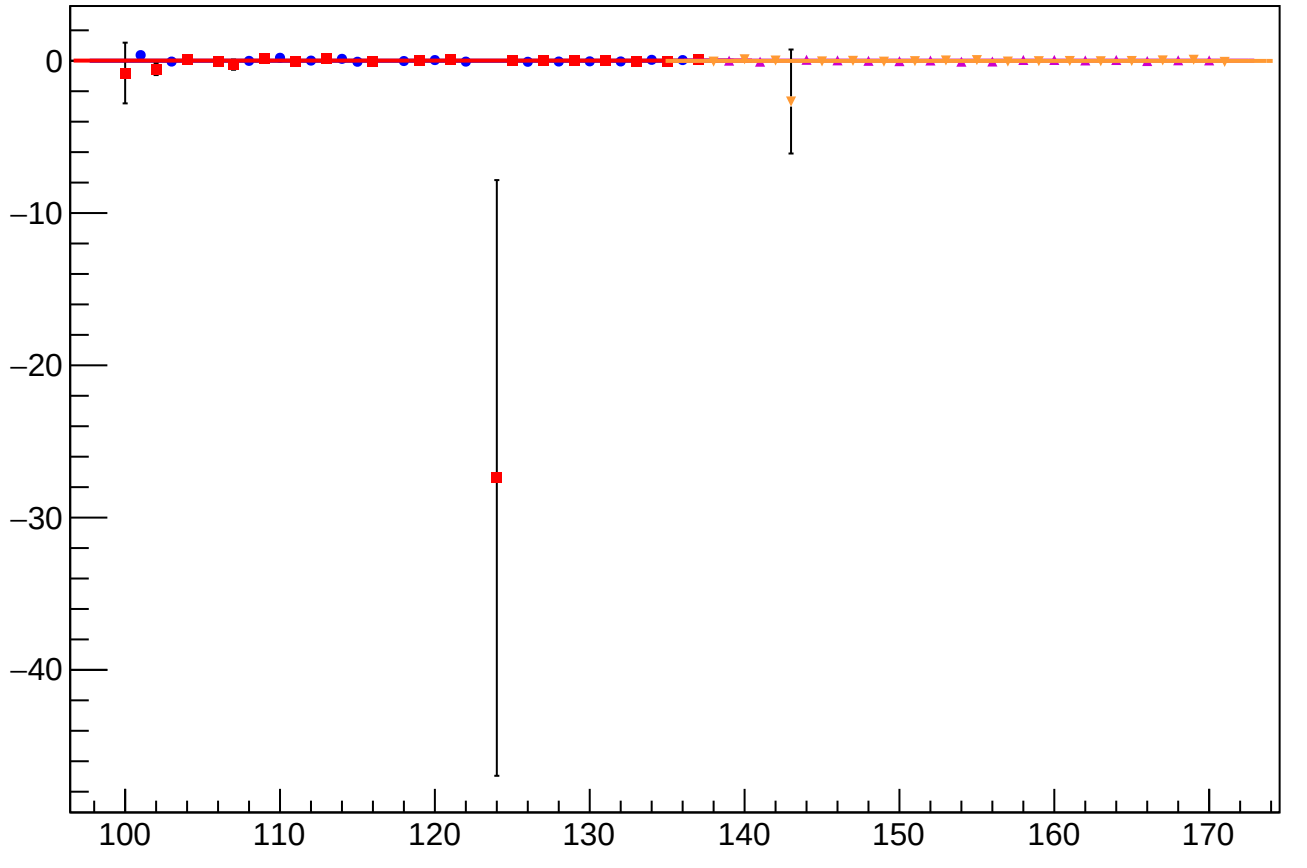
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.007 χ^2/NDF:266763.0/15

\+ sign 32.723+/-0.006 χ^2/NDF: 3513393.5/33

All: 32.625+/-0.004 χ^2/NDF: 5859944.8/68

\- sign 32.523+/-0.006 χ^2/NDF: 2345929.1/34



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: 0.012+/-0.015 χ^2/NDF: 14.2/18

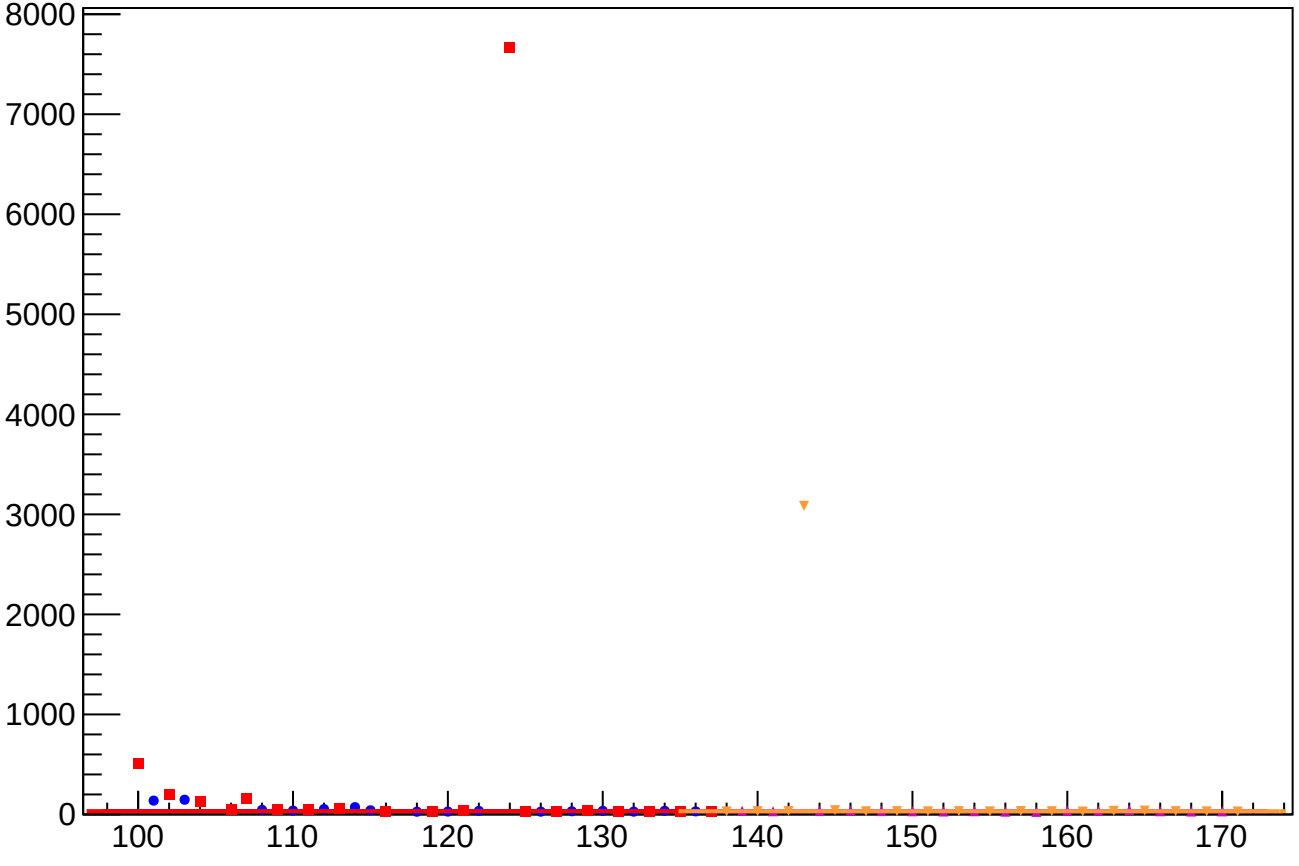
Left In: 0.008+/-0.010 χ^2/NDF:17.2/15

+ sign -0.006+/-0.008 χ^2/NDF: 46.0/33

All: 0.002+/-0.006 χ^2/NDF: 79.3/68

- sign 0.009+/-0.008 χ^2/NDF: 31.5/34

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: 32.171+/-0.007 χ^2/NDF:1773080.5/17

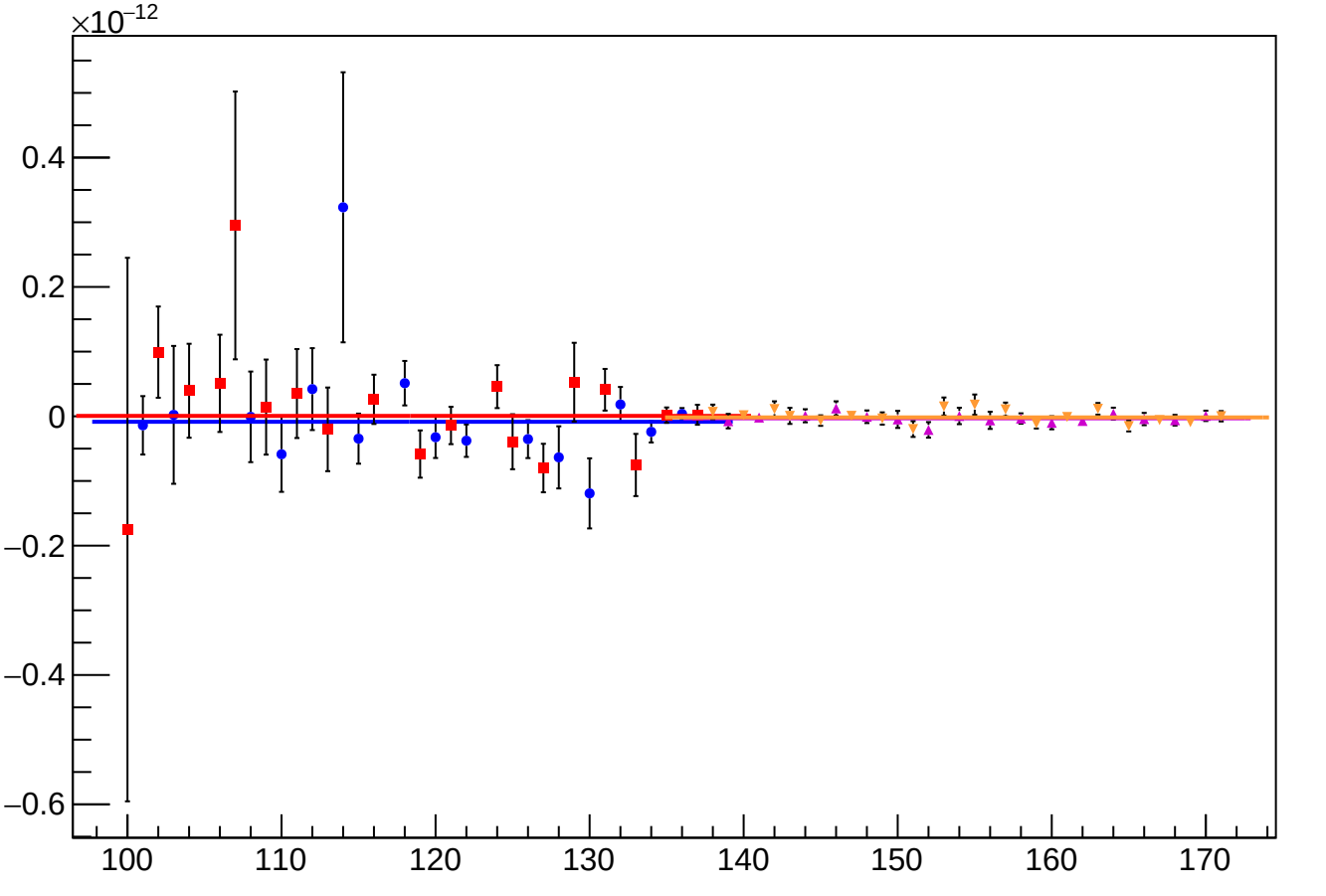
Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.007 χ^2/NDF:266763.0/15

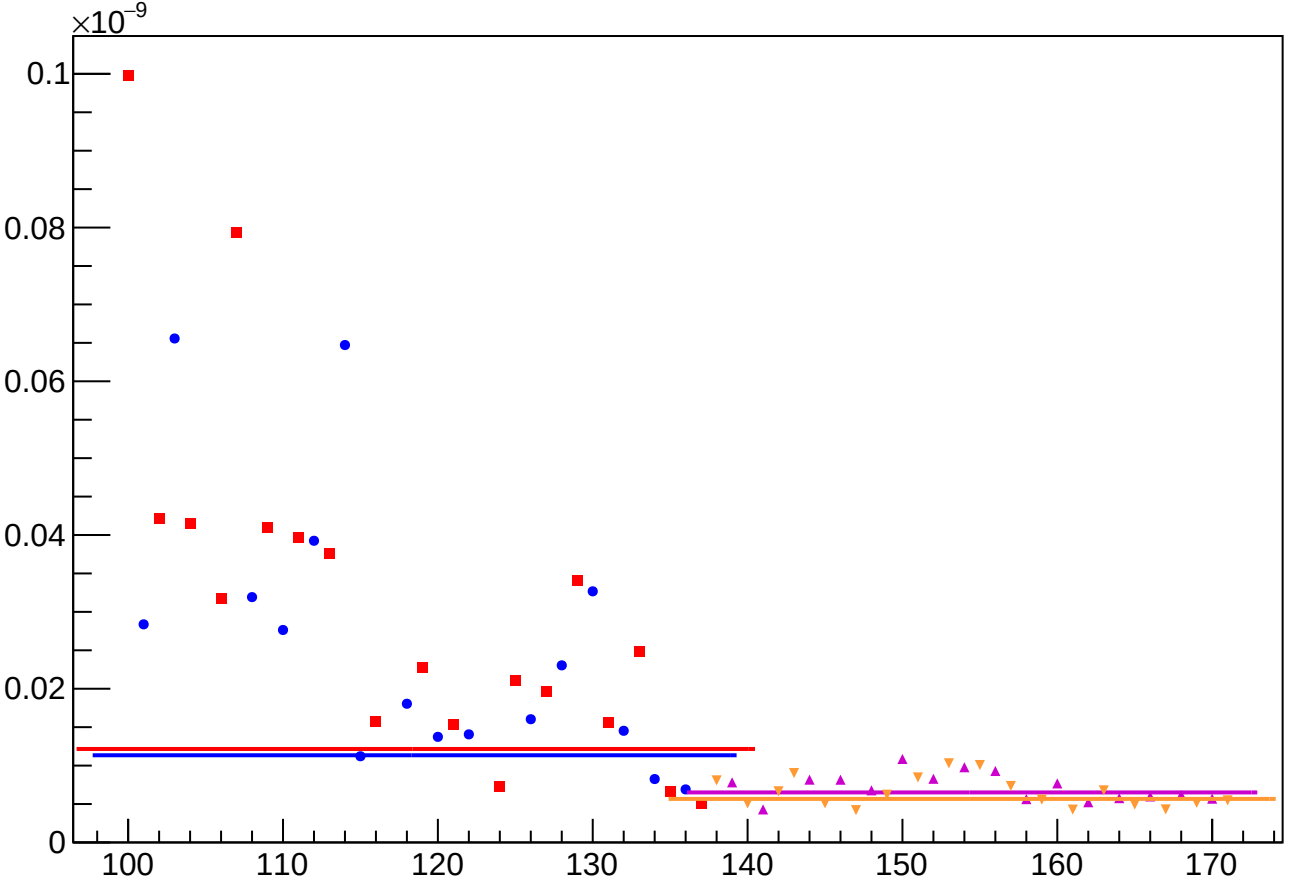
+ sign 32.723+/-0.006 χ^2/NDF: 3513393.5/33

All: 32.625+/-0.004 χ^2/NDF: 5859944.8/68

- sign 32.523+/-0.006 χ^2/NDF: 2345929.1/34


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:16.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/18
Left In: -0.000+/-0.000 χ²/NDF:6.5/15
+ sign -0.000+/-0.000 χ²/NDF: 37.1/33
All: -0.000+/-0.000 χ²/NDF: 64.6/68
- sign -0.000+/-0.000 χ²/NDF: 27.5/34

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1148012.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

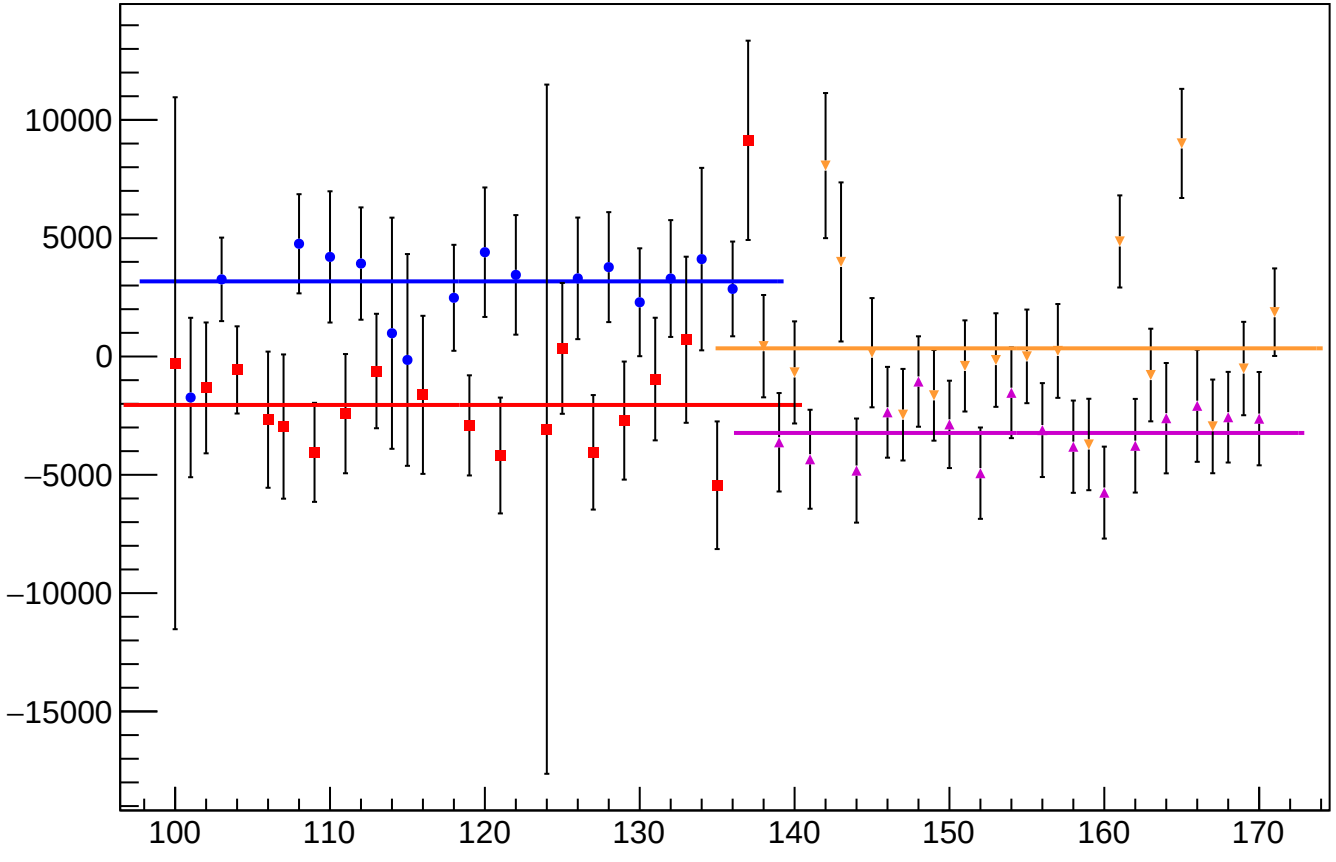
Left In: 0.000+/-0.000 χ^2/NDF:1024682.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 5390986.1/33

All: 0.000+/-0.000 χ^2/NDF: 11441680.2/68

- sign 0.000+/-0.000 χ^2/NDF: 5884452.8/34

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.682+/-489.689 χ^2/NDF:39.1/17

Right Out: -2047.403+/-621.498 χ^2/NDF: 14.0/18

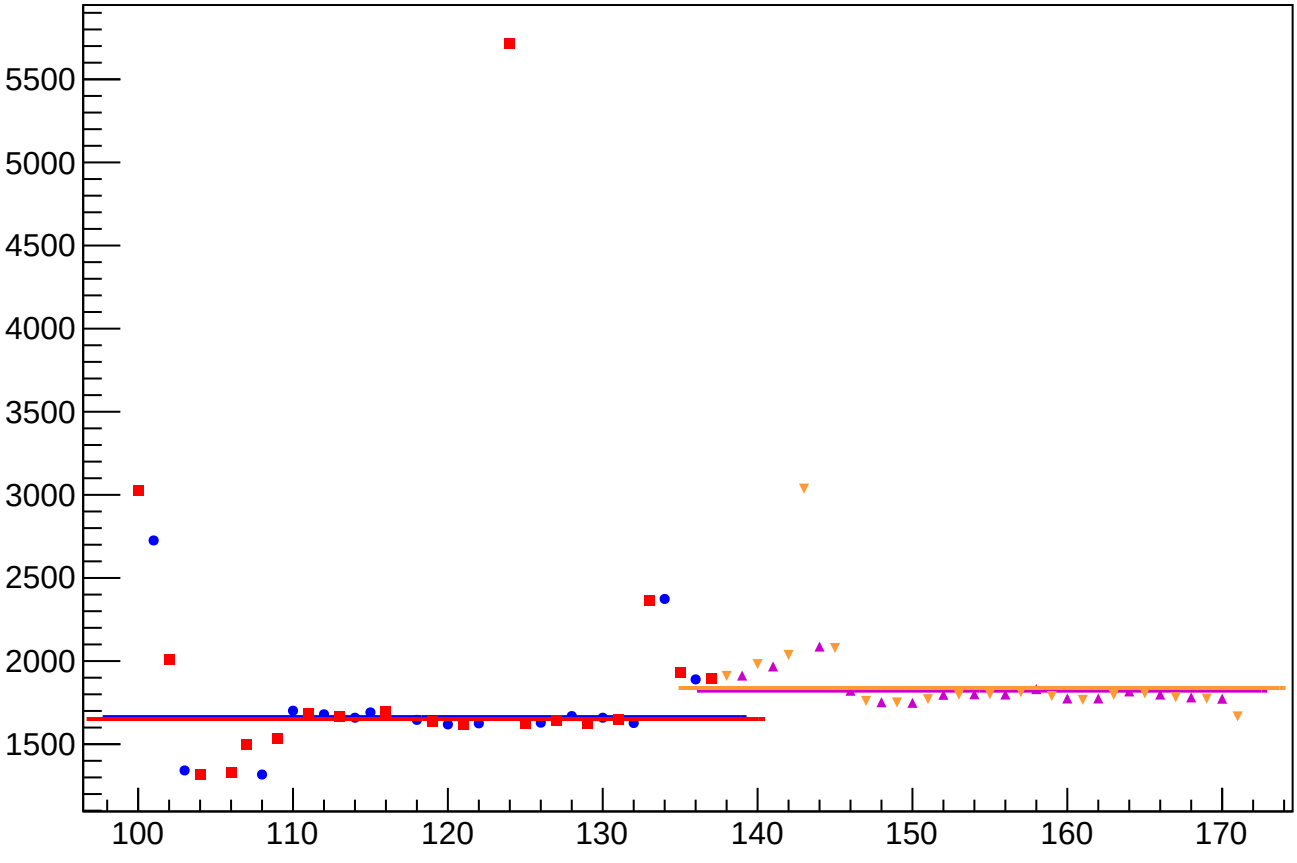
Left In: -3230.804+/-501.629 χ^2/NDF:6.3/15

+ sign 1415.744+/-386.164 χ^2/NDF: 56.0/33

All: -651.613+/-274.526 χ^2/NDF: 136.5/68

- sign -2763.983+/-390.345 χ^2/NDF: 22.6/34

reg_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

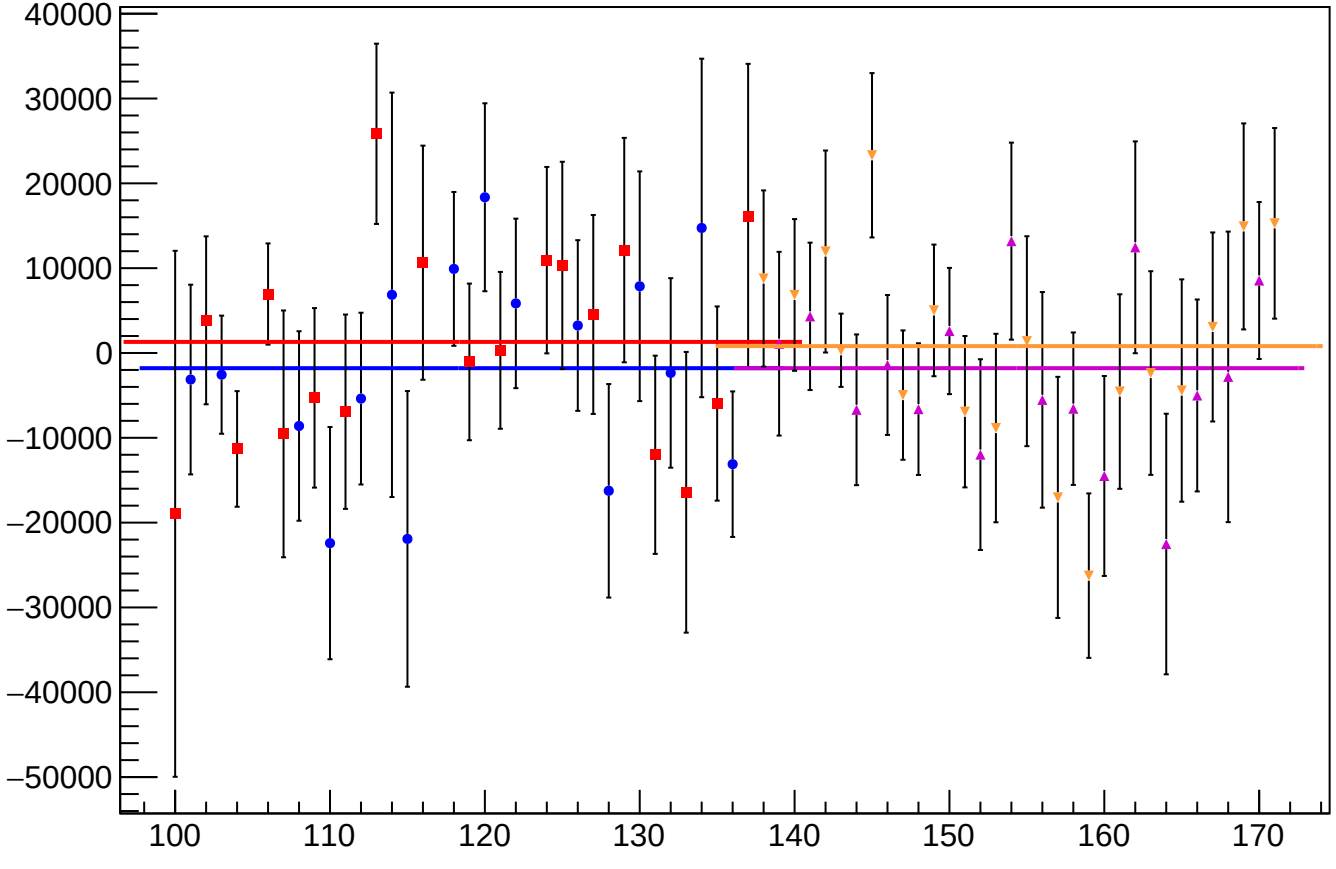
Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

+ sign 1771.849+/-0.273 χ^2/NDF: 845852.1/33

All: 1763.349+/-0.194 χ^2/NDF: 1424951.3/68

- sign 1754.663+/-0.276 χ^2/NDF: 577139.8/34

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 807.482+/-2167.801 χ^2/NDF:22.6/17

Right Out: 1306.311+/-2430.063 χ^2/NDF: 17.7/18

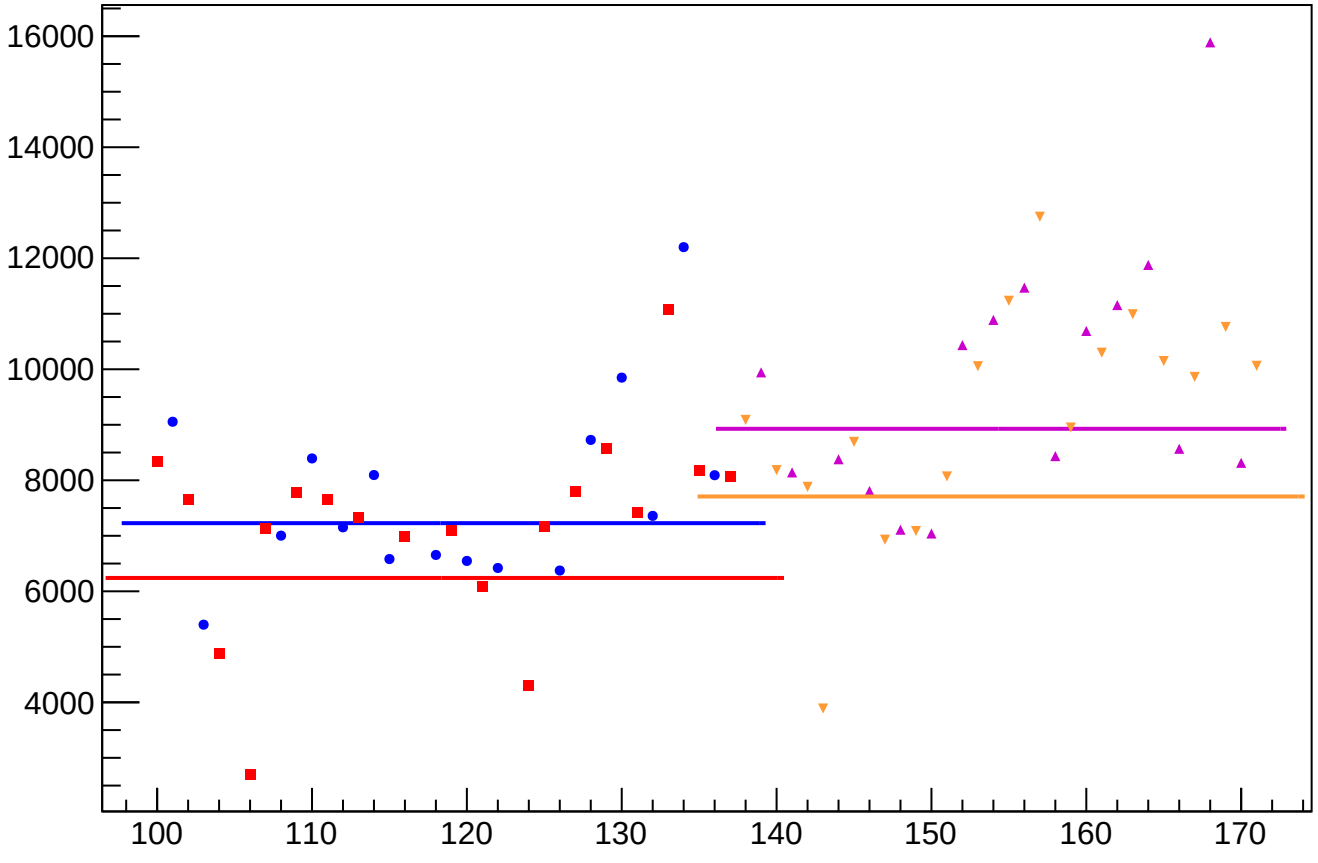
Left In: -1790.384+/-2512.286 χ^2/NDF:10.1/15

+ sign -191.255+/-1700.931 χ^2/NDF: 37.4/33

All: -190.903+/-1218.586 χ^2/NDF: 66.0/68

- sign -190.533+/-1746.659 χ^2/NDF: 28.6/34

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7708.277+/-1.533 χ^2/NDF:2809494.3/17

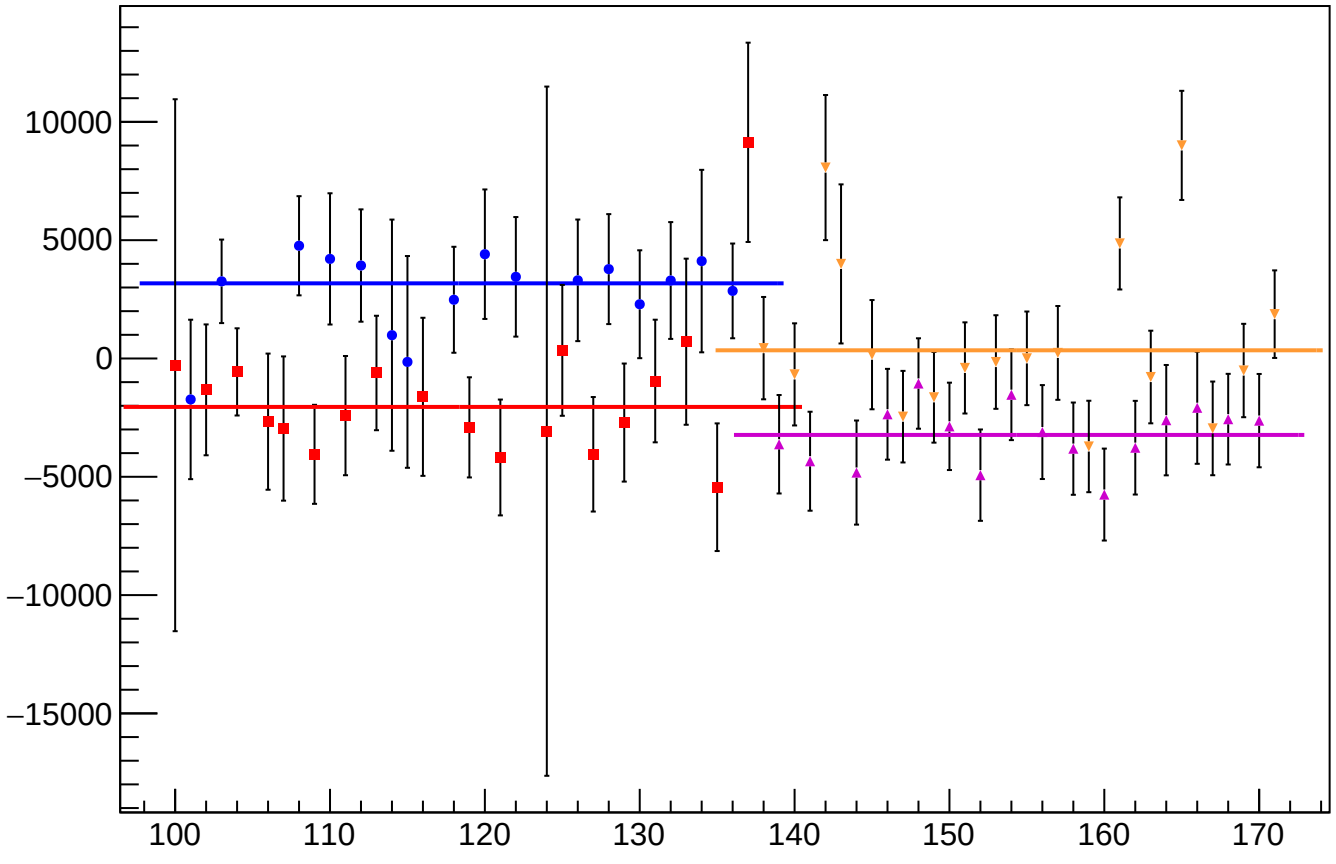
Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8927.546+/-1.776 χ^2/NDF:1019362.1/15

+ sign 7523.525+/-1.203 χ^2/NDF: 3350550.7/33

All: 7531.233+/-0.862 χ^2/NDF: 6951039.4/68

- sign 7539.362+/-1.235 χ^2/NDF: 3600404.3/34



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.572+/-489.689 χ^2/NDF:39.1/17

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

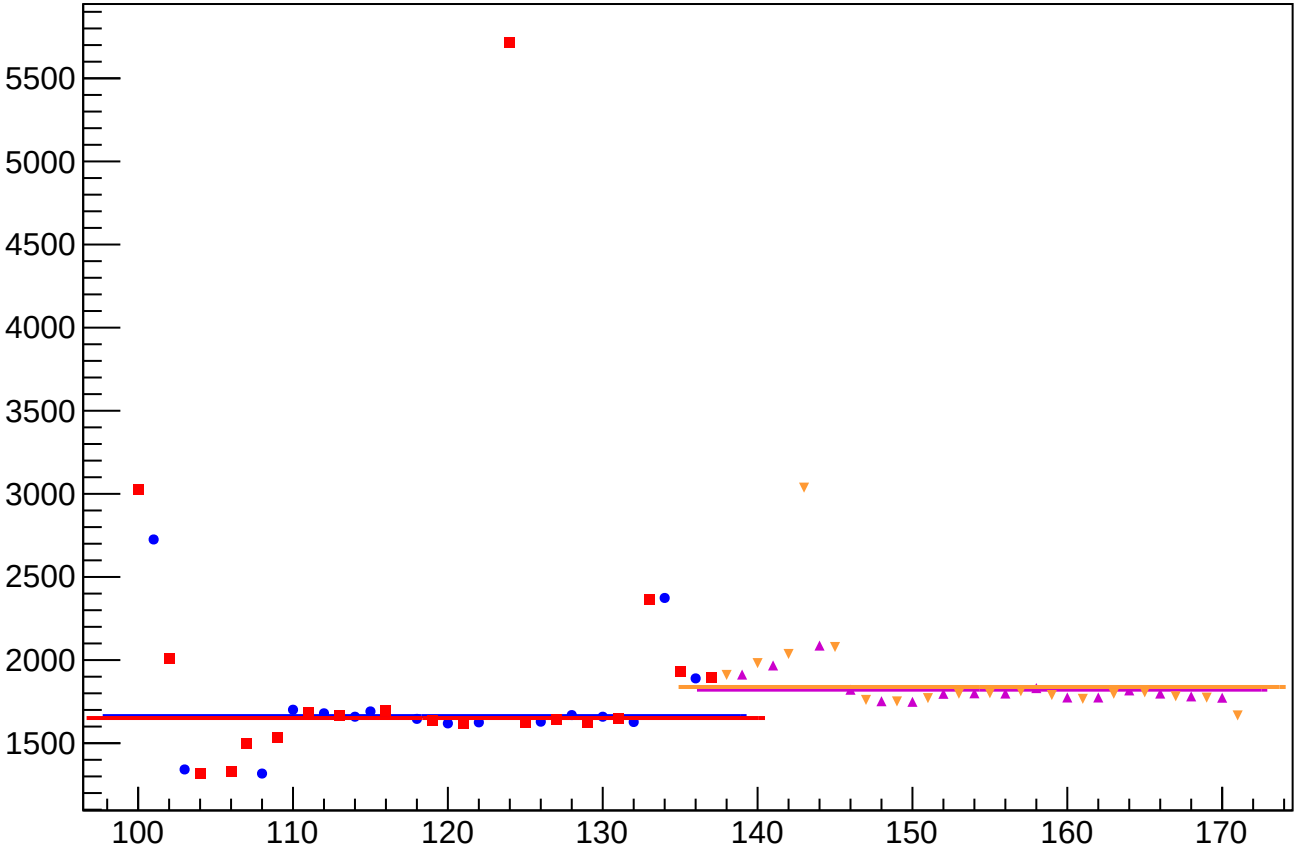
Left In: -3230.815+/-501.629 χ^2/NDF:6.3/15

+ sign 1415.710+/-386.164 χ^2/NDF: 56.0/33

All: -651.596+/-274.526 χ^2/NDF: 136.5/68

- sign -2763.913+/-390.345 χ^2/NDF: 22.6/34

cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

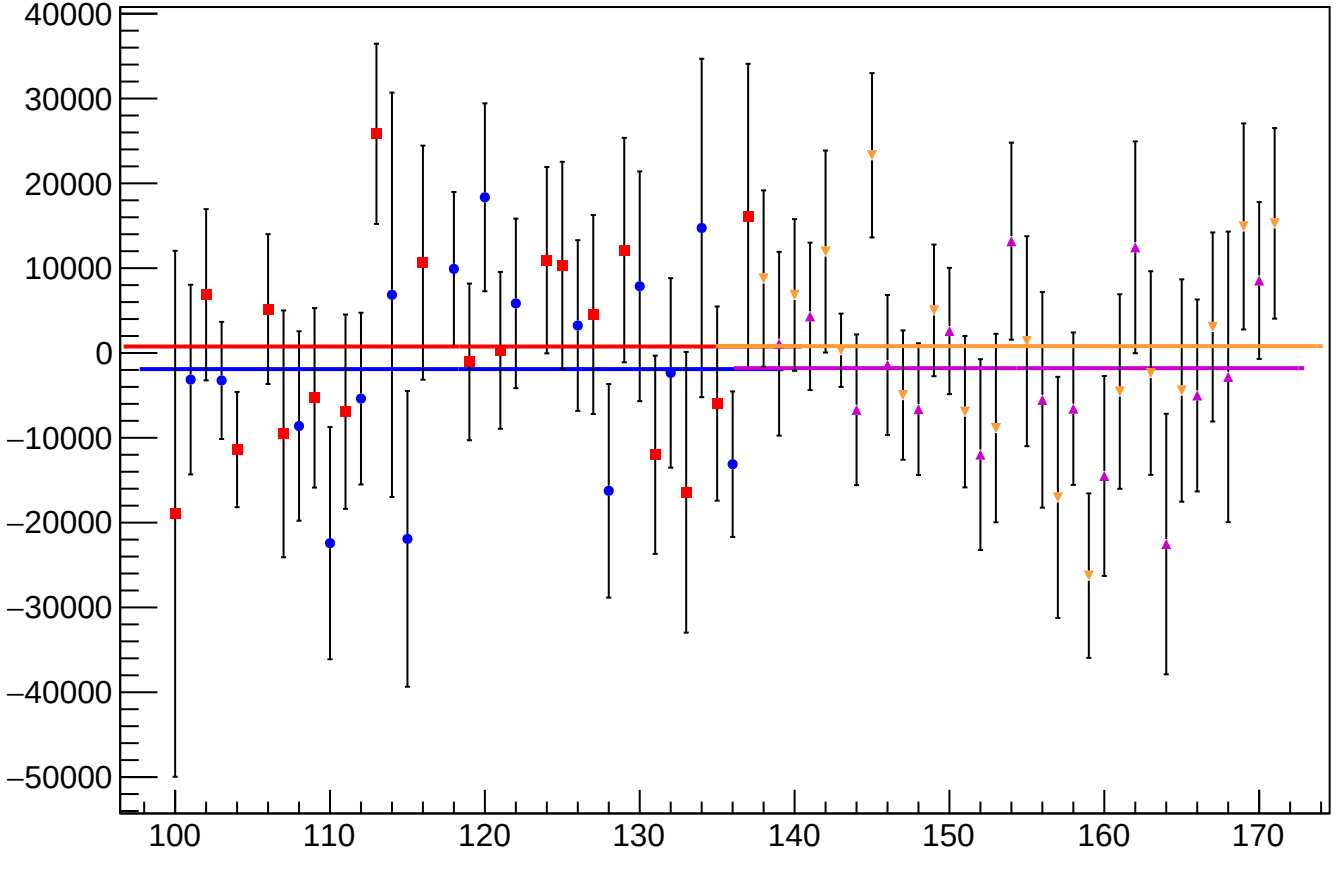
Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

+ sign 1771.849+/-0.273 χ^2/NDF: 845852.6/33

All: 1763.349+/-0.194 χ^2/NDF: 1424952.1/68

- sign 1754.663+/-0.276 χ^2/NDF: 577140.0/34

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 807.389+/-2167.794 χ^2/NDF:22.6/17

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

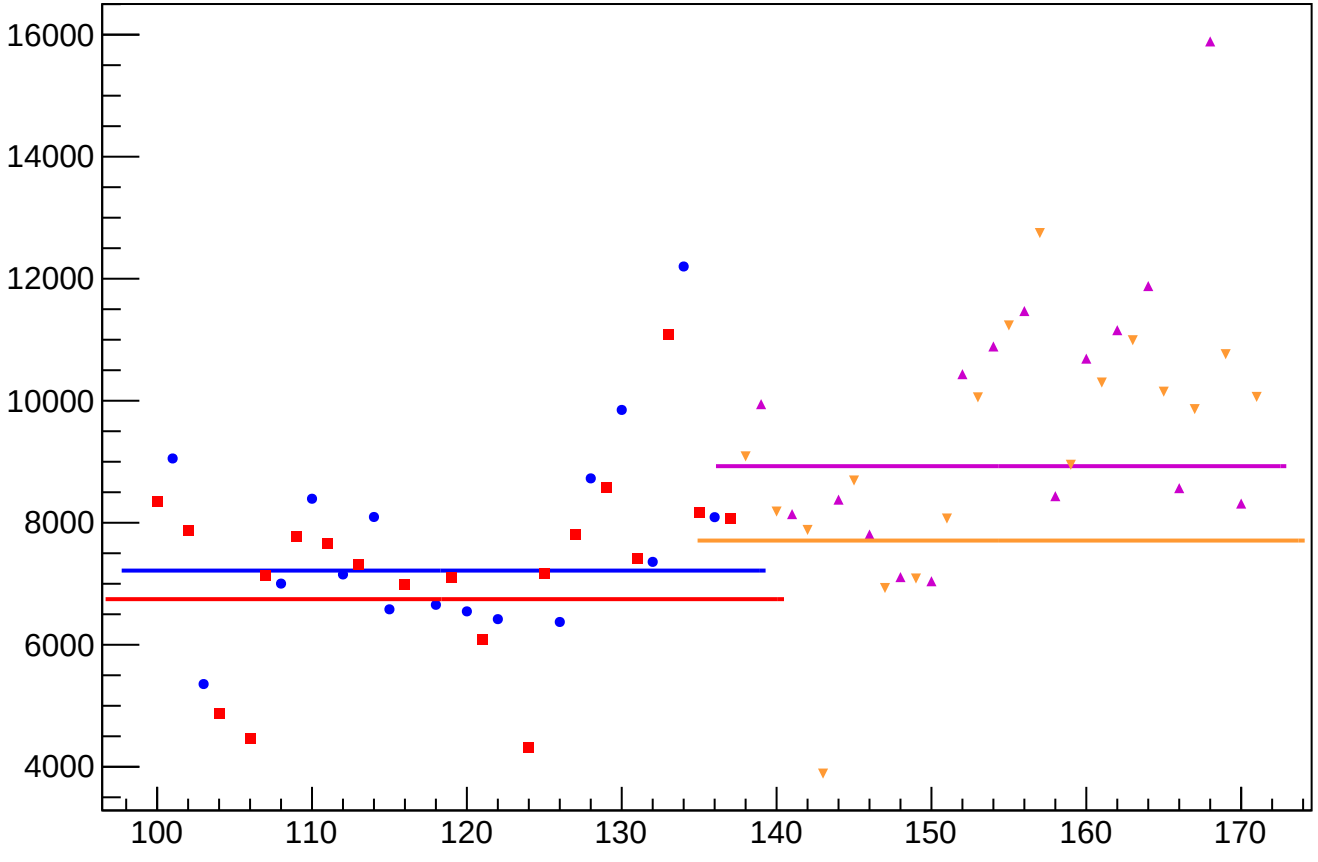
Left In: -1790.489+/-2512.284 χ^2/NDF:10.1/15

+ sign -234.951+/-1700.054 χ^2/NDF: 37.5/33

All: -376.321+/-1232.567 χ^2/NDF: 65.4/68

- sign -532.980+/-1789.619 χ^2/NDF: 27.9/34

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7708.242+/-1.533 χ^2/NDF:2809558.0/17

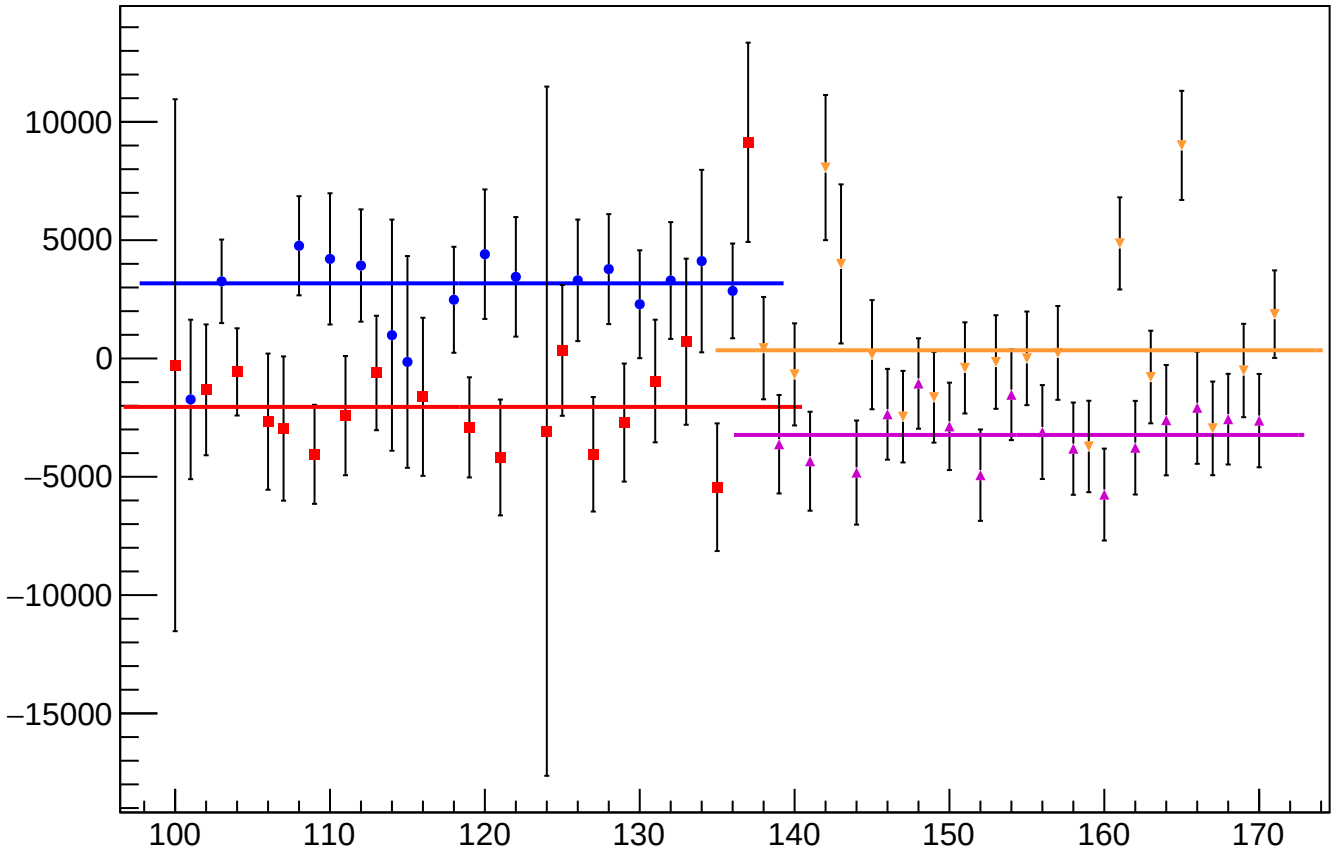
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8927.538+/-1.776 χ^2/NDF:1019367.0/15

\+ sign 7518.750+/-1.202 χ^2/NDF: 3361379.6/33

All: 7677.706+/-0.872 χ^2/NDF: 5868029.1/68

\- sign 7853.852+/-1.265 χ^2/NDF: 2469789.1/34



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.572+/-489.689 χ^2/NDF:39.1/17

Right Out: -2047.209+/-621.498 χ^2/NDF: 14.0/18

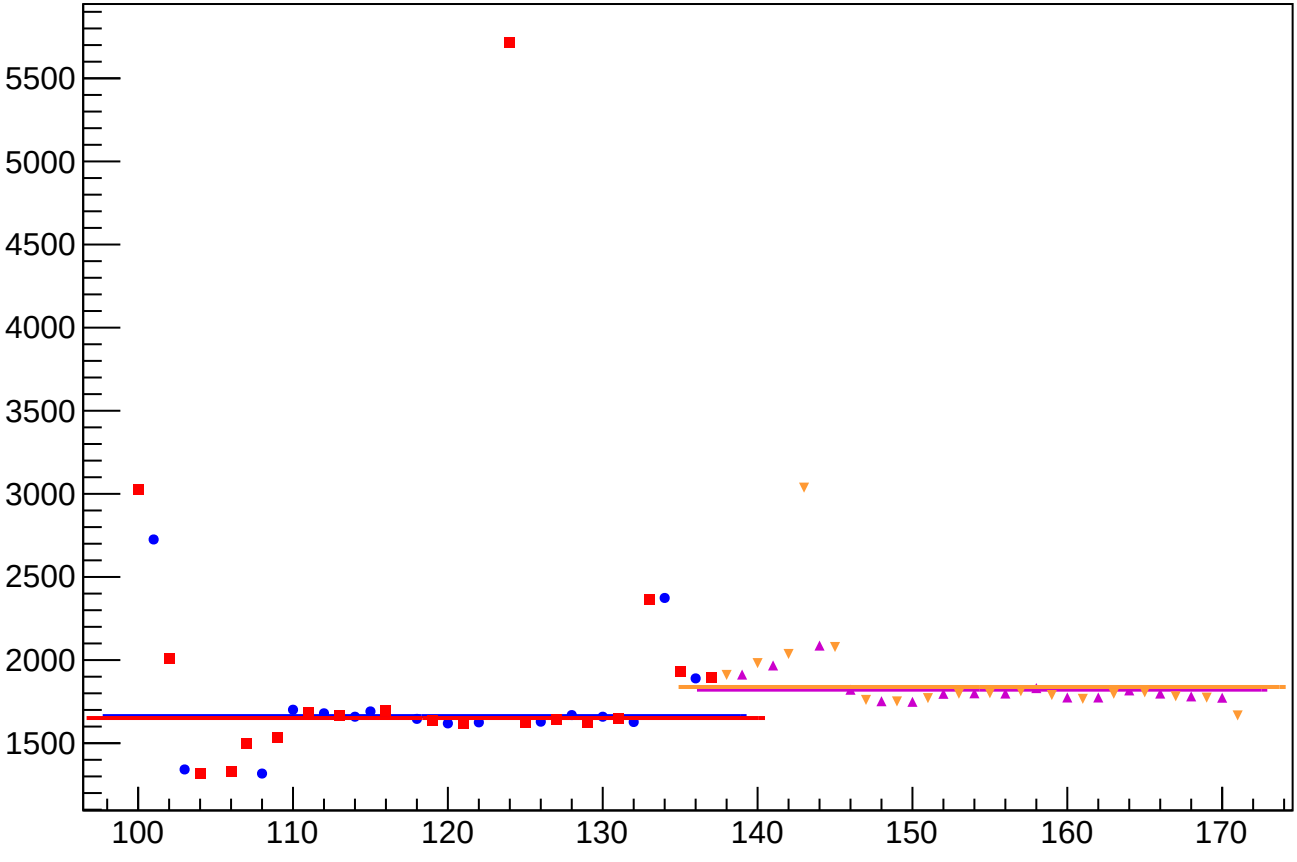
Left In: -3230.815+/-501.629 χ^2/NDF:6.3/15

+ sign 1415.710+/-386.164 χ^2/NDF: 56.0/33

All: -651.596+/-274.526 χ^2/NDF: 136.5/68

- sign -2763.913+/-390.345 χ^2/NDF: 22.6/34

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

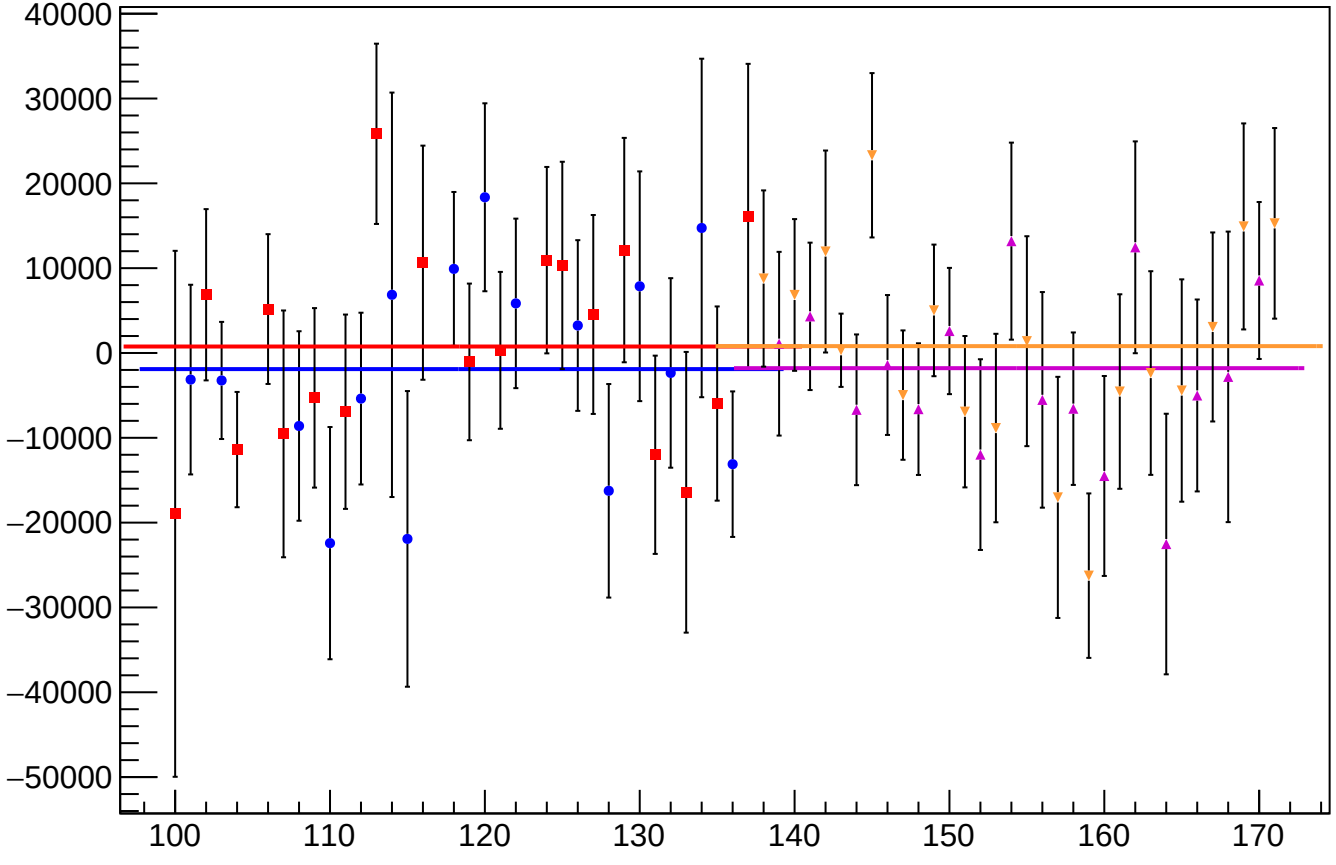
Left In: 1821.985+/-0.355 χ^2/NDF:53854.7/15

+ sign 1771.849+/-0.273 χ^2/NDF: 845852.6/33

All: 1763.349+/-0.194 χ^2/NDF: 1424952.1/68

- sign 1754.663+/-0.276 χ^2/NDF: 577140.0/34

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 807.389+/-2167.794 χ^2/NDF:22.6/17

Right Out: 762.513+/-2549.943 χ^2/NDF: 17.3/18

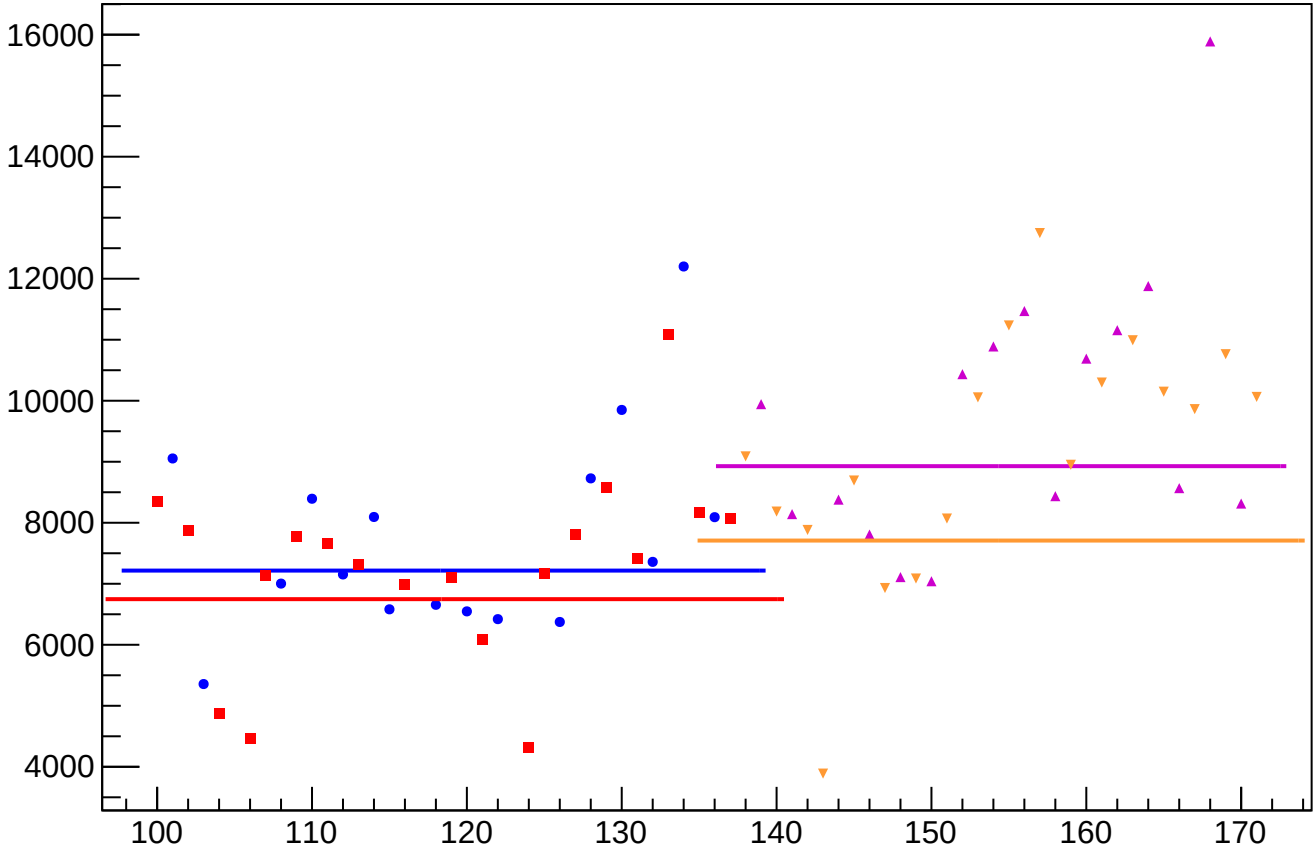
Left In: -1790.489+/-2512.284 χ^2/NDF:10.1/15

+ sign -234.951+/-1700.054 χ^2/NDF: 37.5/33

All: -376.321+/-1232.567 χ^2/NDF: 65.4/68

- sign -532.980+/-1789.619 χ^2/NDF: 27.9/34

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7708.242+/-1.533 χ^2/NDF:2809558.0/17

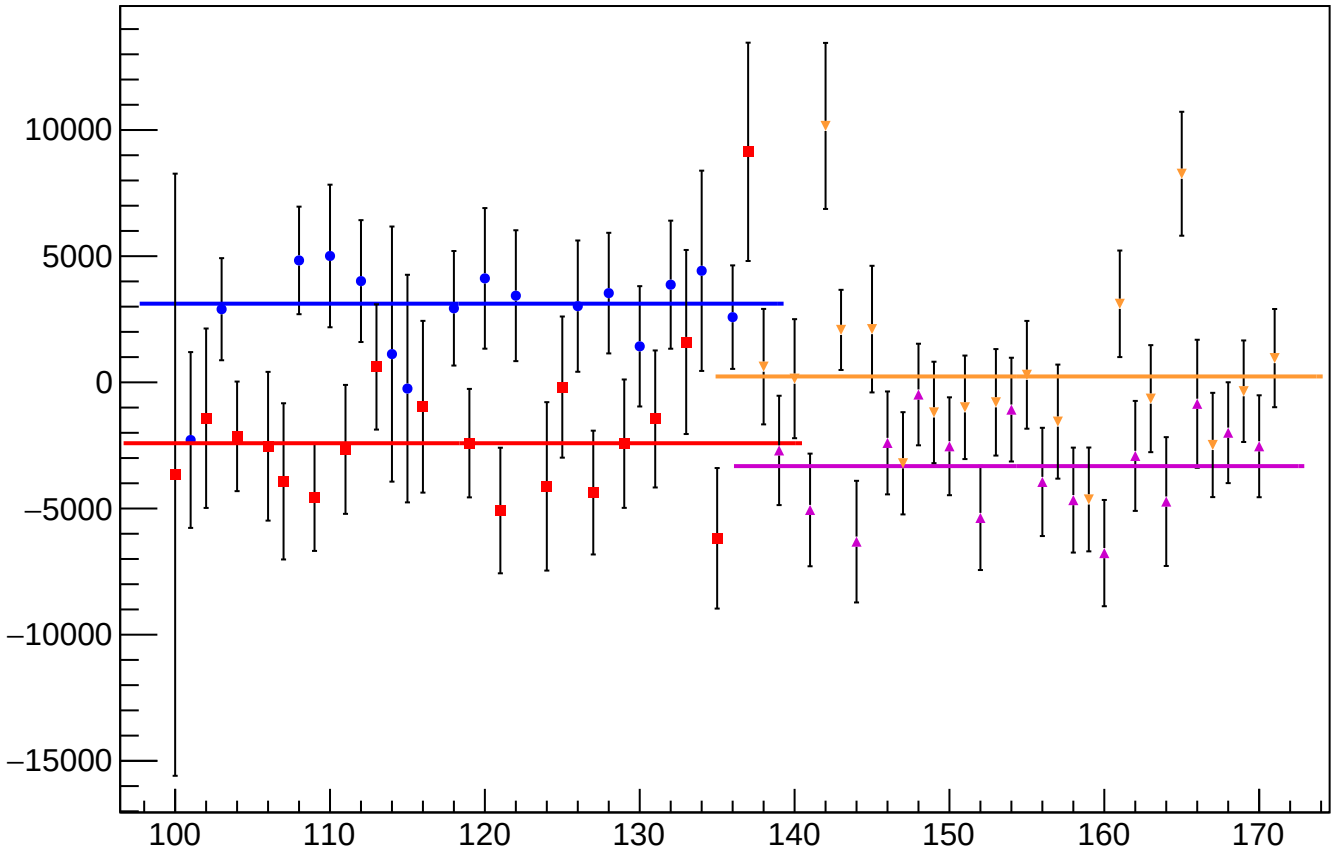
Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8927.538+/-1.776 χ^2/NDF:1019367.0/15

\+ sign 7518.750+/-1.202 χ^2/NDF: 3361379.6/33

All: 7677.706+/-0.872 χ^2/NDF: 5868029.1/68

\- sign 7853.852+/-1.265 χ^2/NDF: 2469789.1/34



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 233.234+/-501.193 χ^2/NDF:35.9/17

Right Out: -2412.473+/-639.018 χ^2/NDF: 16.0/18

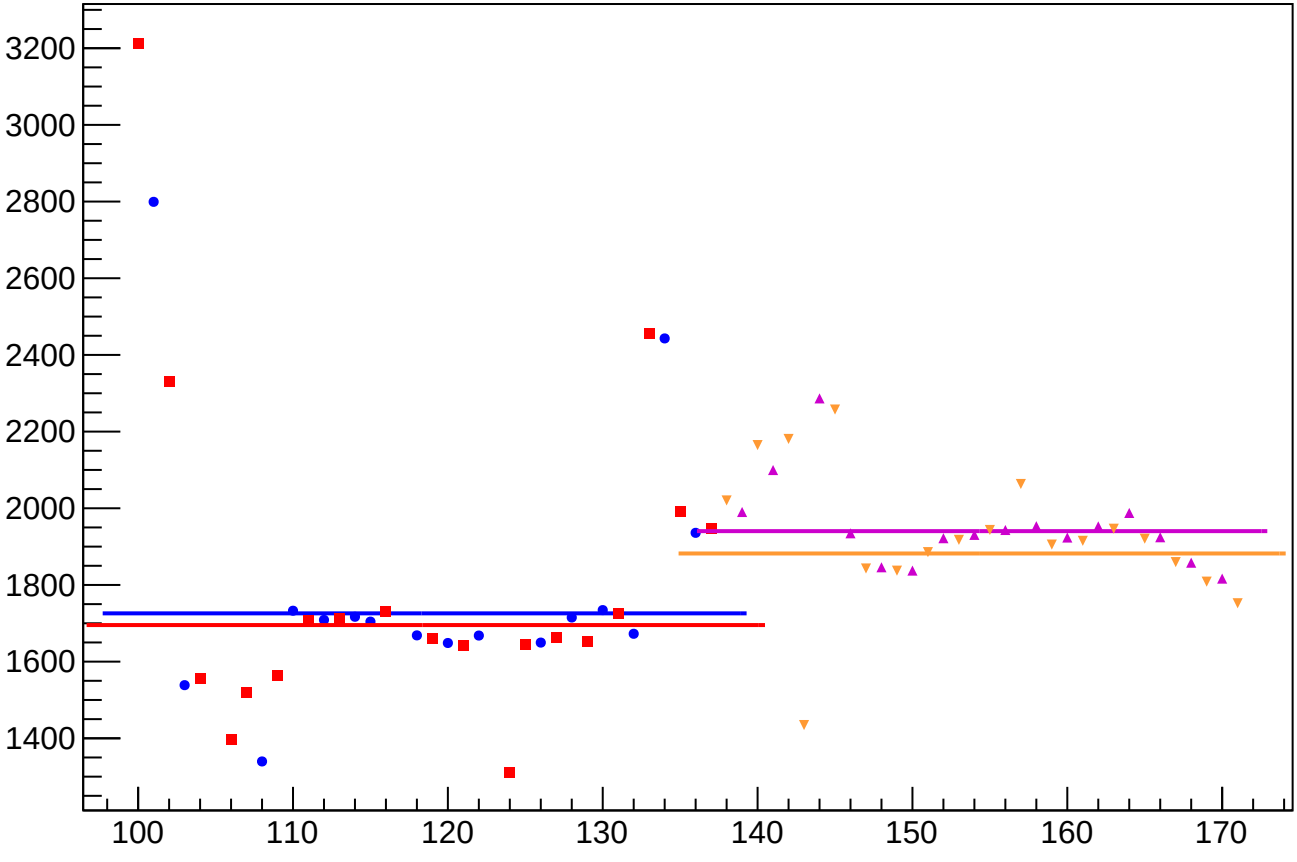
Left In: -3319.792+/-534.589 χ^2/NDF:11.8/15

+ sign 1306.488+/-397.160 χ^2/NDF: 53.6/33

All: -752.095+/-285.275 χ^2/NDF: 138.1/68

- sign -2946.232+/-410.028 χ^2/NDF: 29.0/34

dit_asym_at2_avg_rms vs Slug



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1882.097+/-0.354 χ^2/NDF:287872.0/17

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

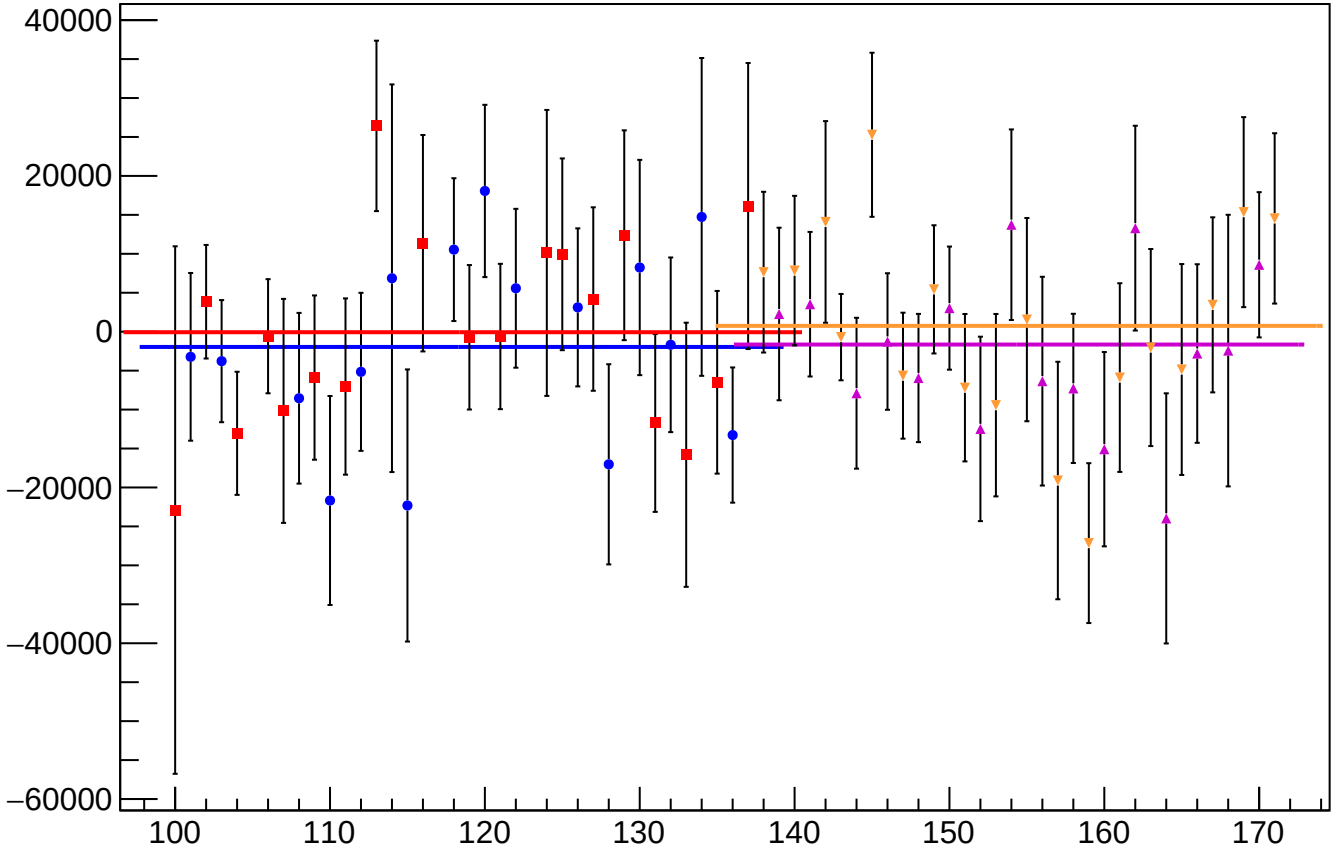
Left In: 1940.381+/-0.378 χ^2/NDF:74708.4/15

+ sign 1823.987+/-0.281 χ^2/NDF: 725773.7/33

All: 1831.482+/-0.202 χ^2/NDF: 1260592.6/68

- sign 1839.468+/-0.290 χ^2/NDF: 533347.6/34

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 748.306+/-2373.753 χ^2/NDF:22.6/17

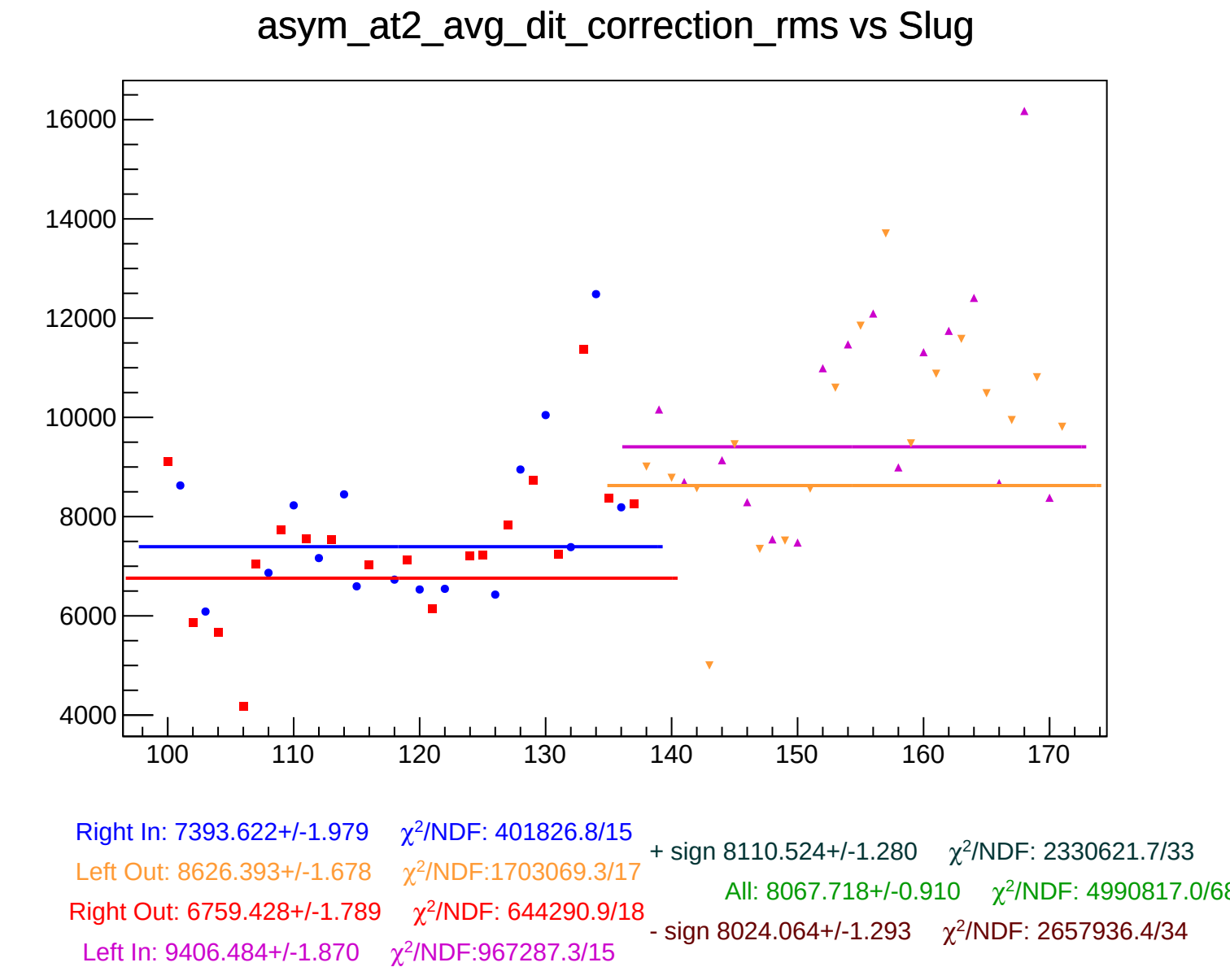
Right Out: -68.156+/-2529.527 χ^2/NDF: 16.1/18

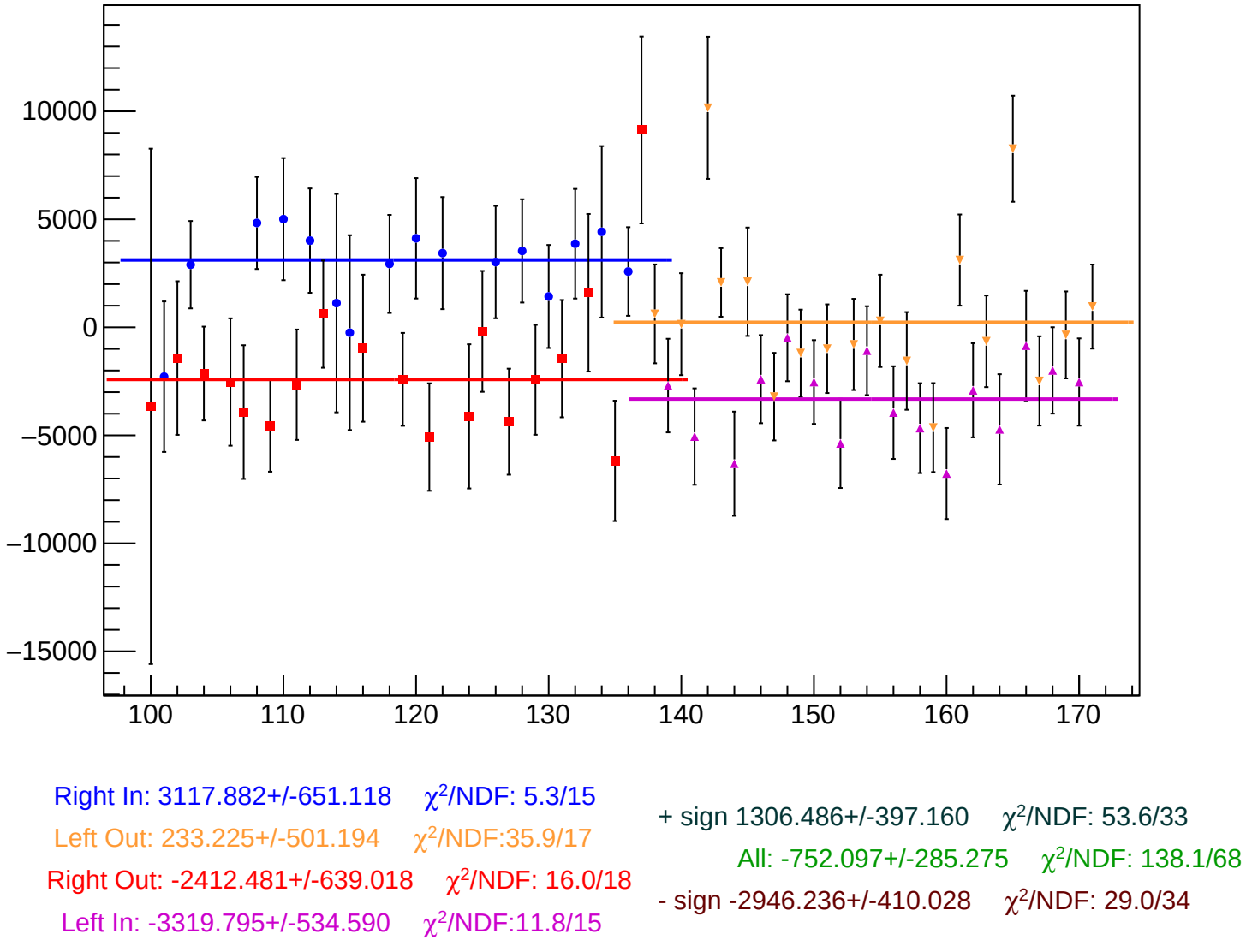
Left In: -1650.056+/-2644.699 χ^2/NDF:10.0/15

+ sign -384.417+/-1810.190 χ^2/NDF: 37.6/33

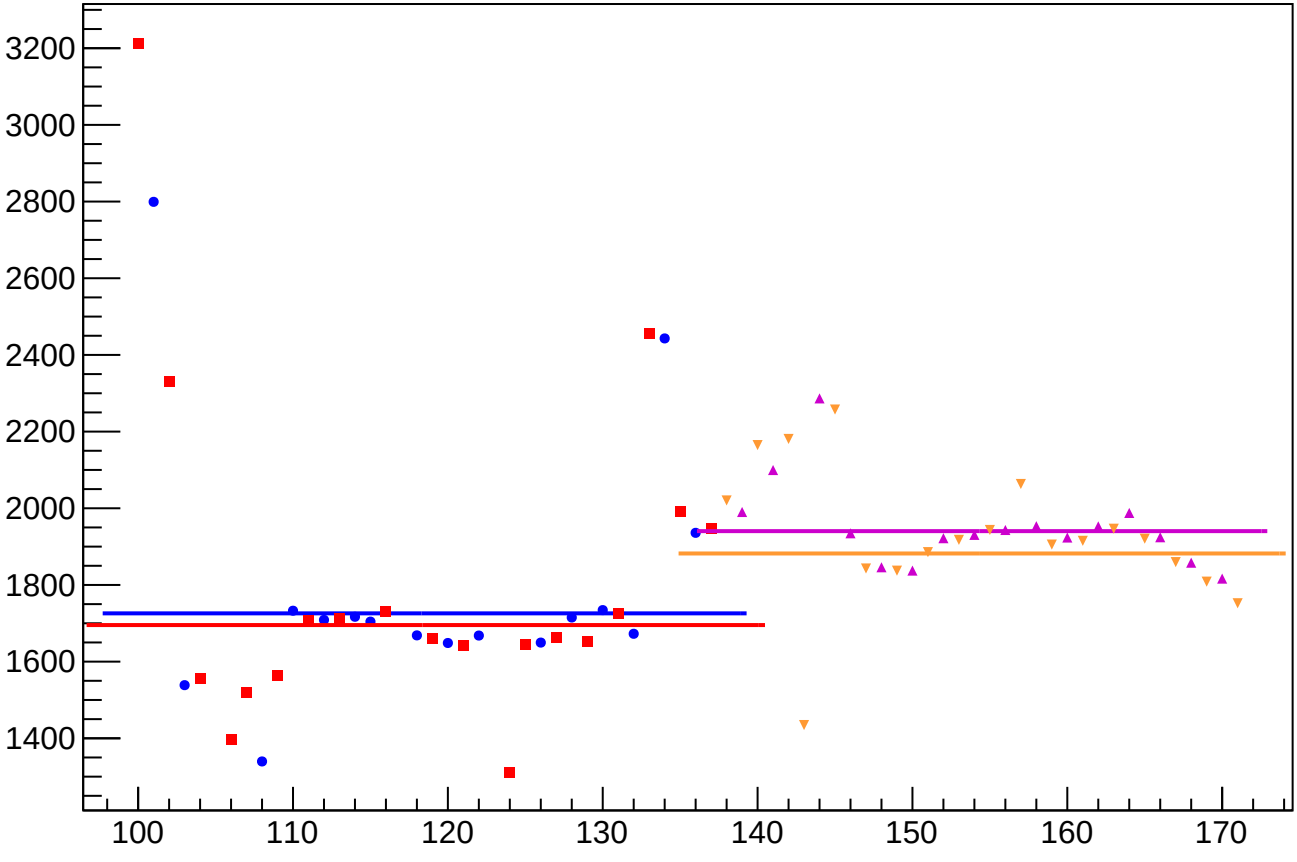
All: -602.013+/-1286.250 χ^2/NDF: 63.9/68

- sign -823.912+/-1828.006 χ^2/NDF: 26.3/34


asym_at2_avg_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8626.393+/-1.678 χ²/NDF:1703069.3/17
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9406.484+/-1.870 χ²/NDF:967287.3/15
+ sign 8110.524+/-1.280 χ²/NDF: 2330621.7/33
All: 8067.718+/-0.910 χ²/NDF: 4990817.0/68
- sign 8024.064+/-1.293 χ²/NDF: 2657936.4/34


eigen_dit_asym_at2_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 233.225+/-501.194 χ²/NDF:35.9/17
Right Out: -2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: -3319.795+/-534.590 χ²/NDF:11.8/15
+ sign 1306.486+/-397.160 χ²/NDF: 53.6/33
All: -752.097+/-285.275 χ²/NDF: 138.1/68
- sign -2946.236+/-410.028 χ²/NDF: 29.0/34

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1882.099+/-0.354 χ^2/NDF:287875.0/17

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

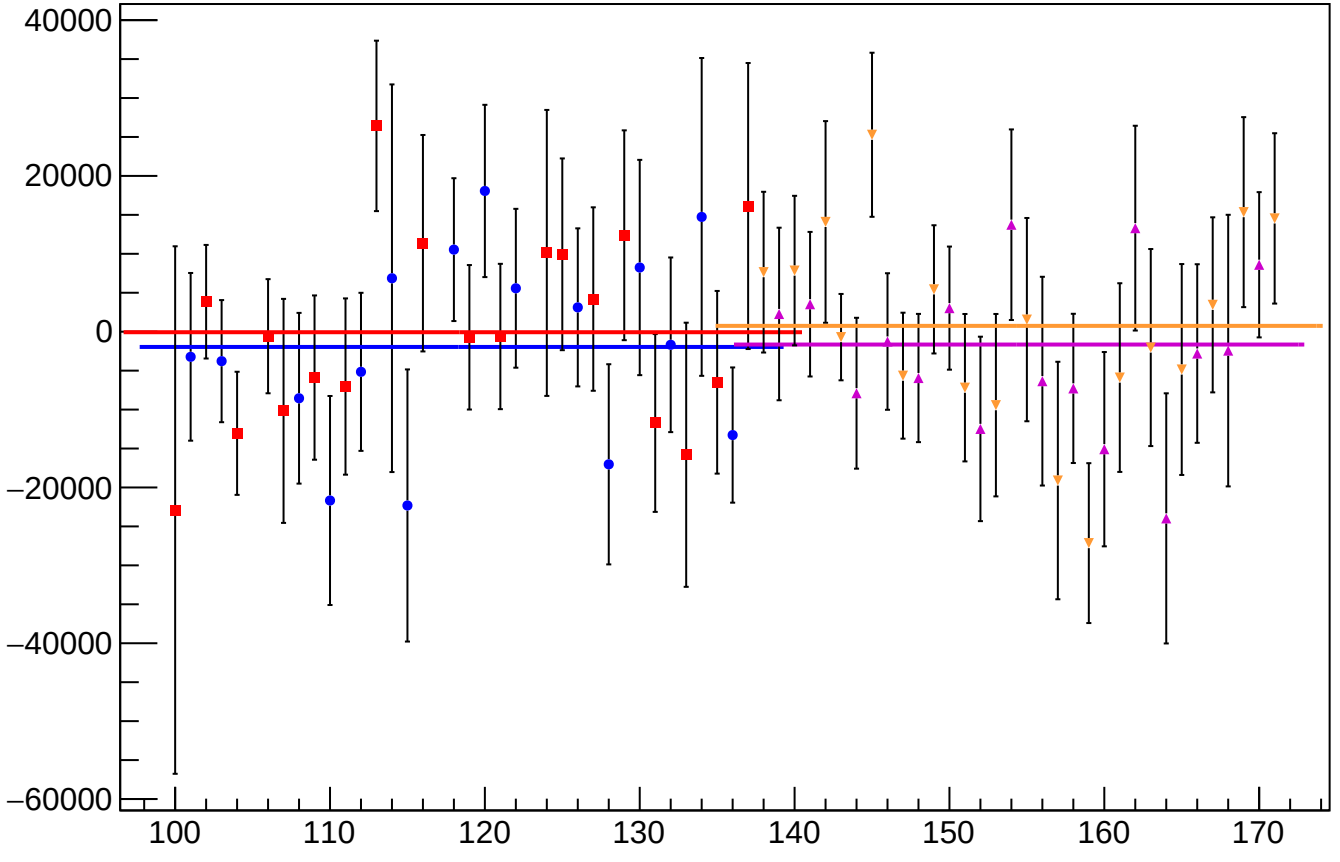
Left In: 1940.384+/-0.378 χ^2/NDF:74709.2/15

+ sign 1823.988+/-0.281 χ^2/NDF: 725779.4/33

All: 1831.483+/-0.202 χ^2/NDF: 1260604.5/68

- sign 1839.470+/-0.290 χ^2/NDF: 533353.7/34

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 748.300+/-2373.757 χ^2/NDF:22.6/17

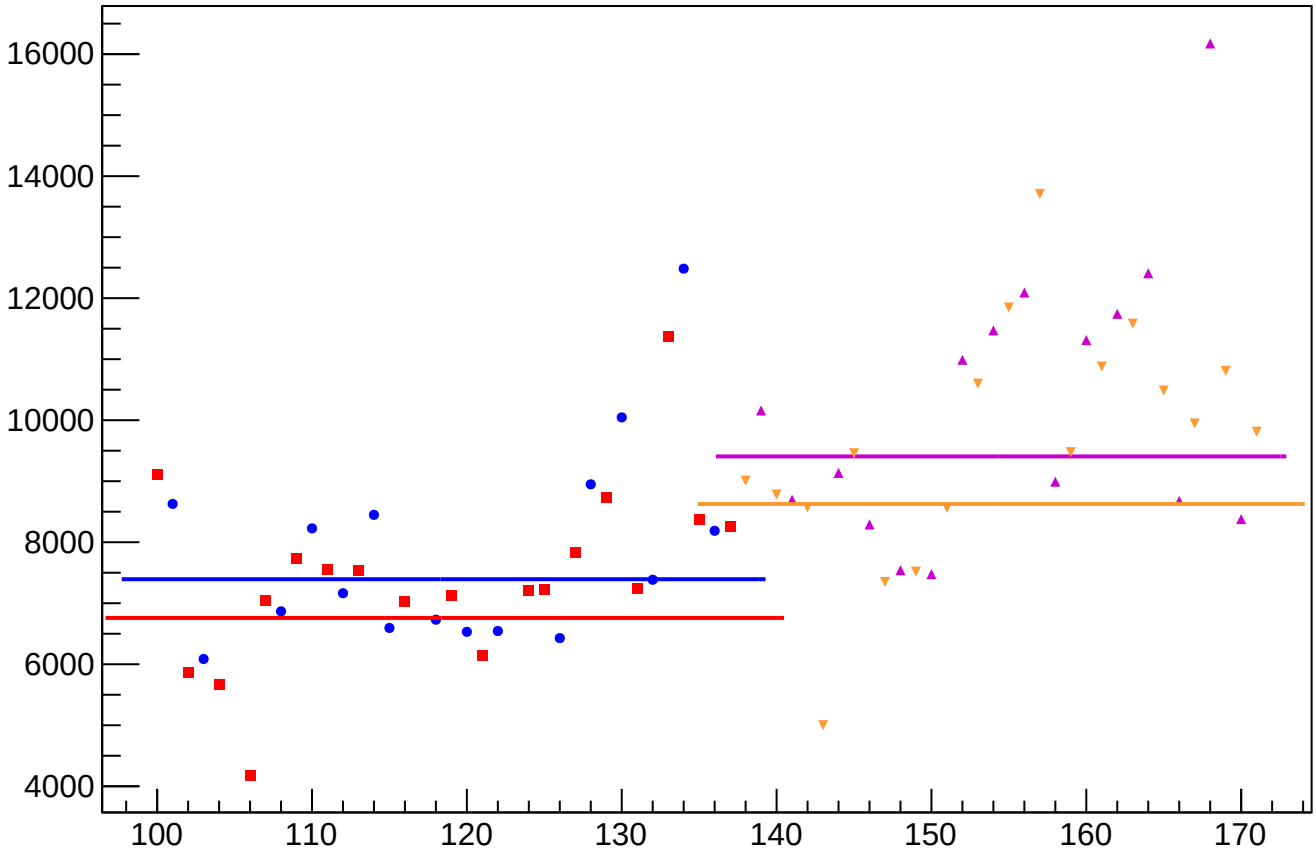
Right Out: -68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: -1650.053+/-2644.703 χ^2/NDF:10.0/15

+ sign -384.417+/-1810.190 χ^2/NDF: 37.6/33

All: -602.012+/-1286.250 χ^2/NDF: 63.9/68

- sign -823.912+/-1828.005 χ^2/NDF: 26.3/34



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8626.407+/-1.678 χ^2/NDF:1703069.6/17

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

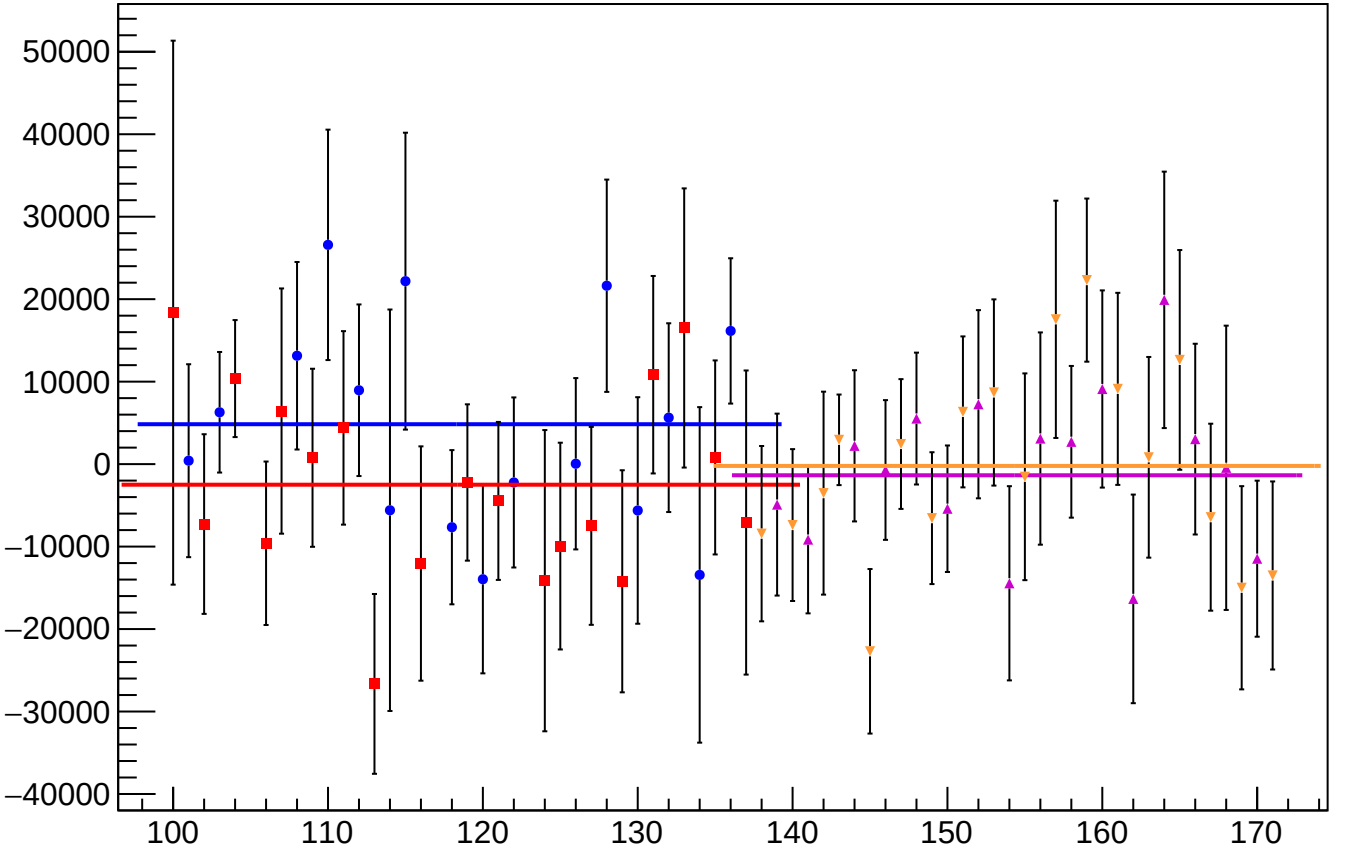
Left In: 9406.496+/-1.870 χ^2/NDF:967289.6/15

+ sign 8110.522+/-1.280 χ^2/NDF: 2330635.8/33

All: 8067.714+/-0.910 χ^2/NDF: 4990854.3/68

- sign 8024.058+/-1.293 χ^2/NDF: 2657959.4/34

asym_at2_avg_mean vs Slug



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -218.289+/-2323.100 χ^2/NDF:20.0/17

Right Out: -2495.844+/-2695.530 χ^2/NDF: 14.9/18

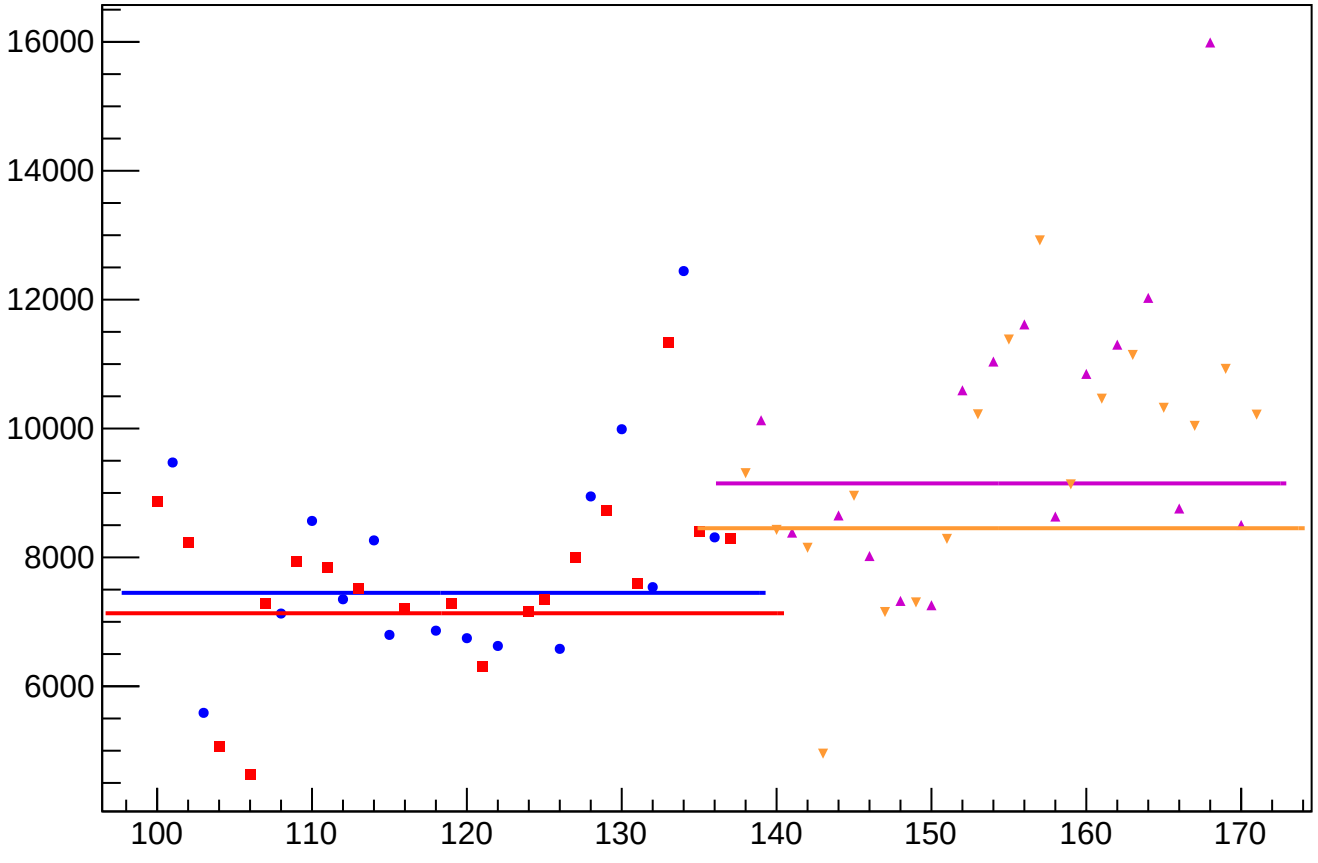
Left In: -1351.736+/-2570.511 χ^2/NDF:9.5/15

+ sign 1818.104+/-1795.324 χ^2/NDF: 36.2/33

All: 26.690+/-1291.830 χ^2/NDF: 62.8/68

- sign -1896.643+/-1860.253 χ^2/NDF: 24.5/34

asym_at2_avg_rms vs Slug



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8452.795+/-1.643 χ^2/NDF:1652757.8/17

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

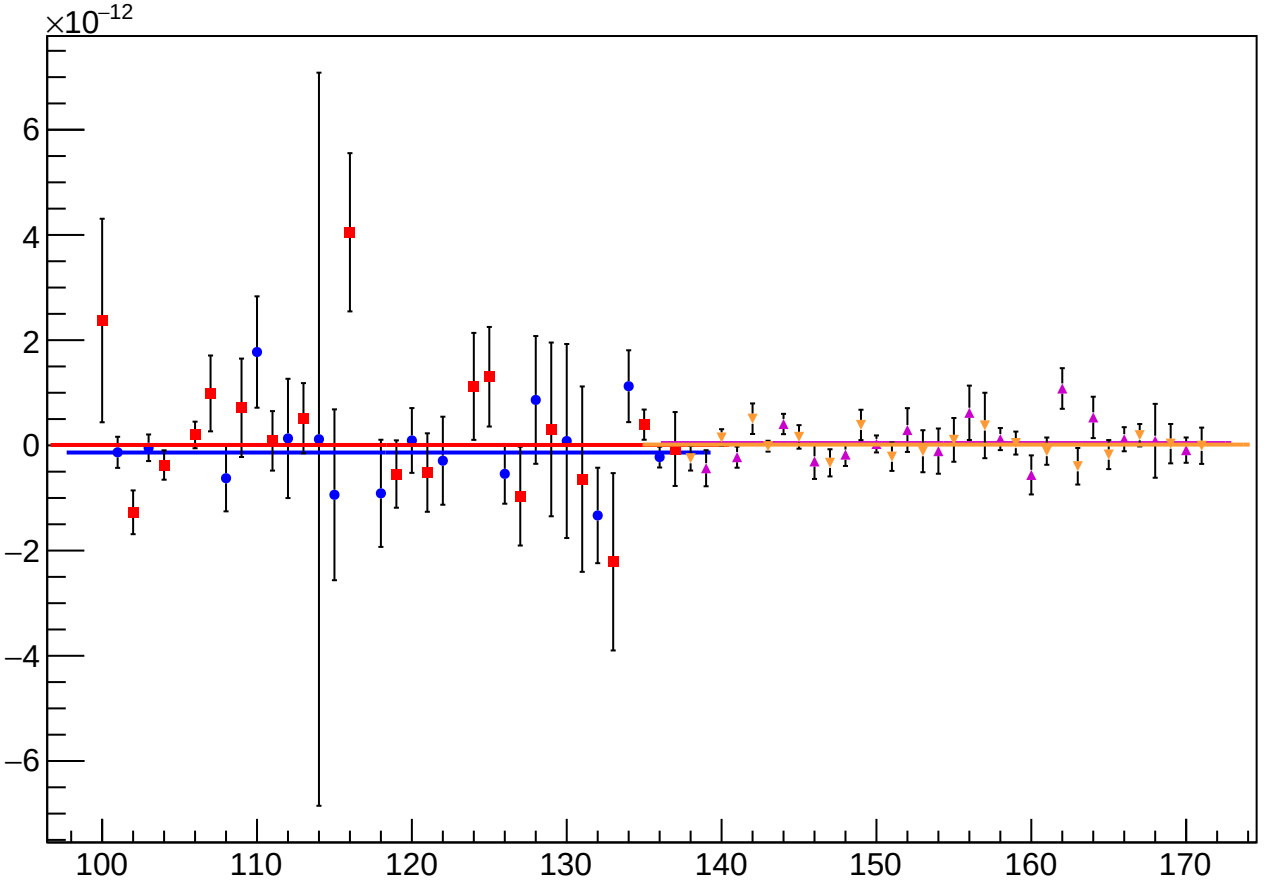
Left In: 9148.326+/-1.818 χ^2/NDF:954442.4/15

+ sign 8048.901+/-1.269 χ^2/NDF: 2289285.6/33

All: 8116.207+/-0.913 χ^2/NDF: 4392040.1/68

- sign 8188.465+/-1.315 χ^2/NDF: 2096925.7/34

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:12.8/17

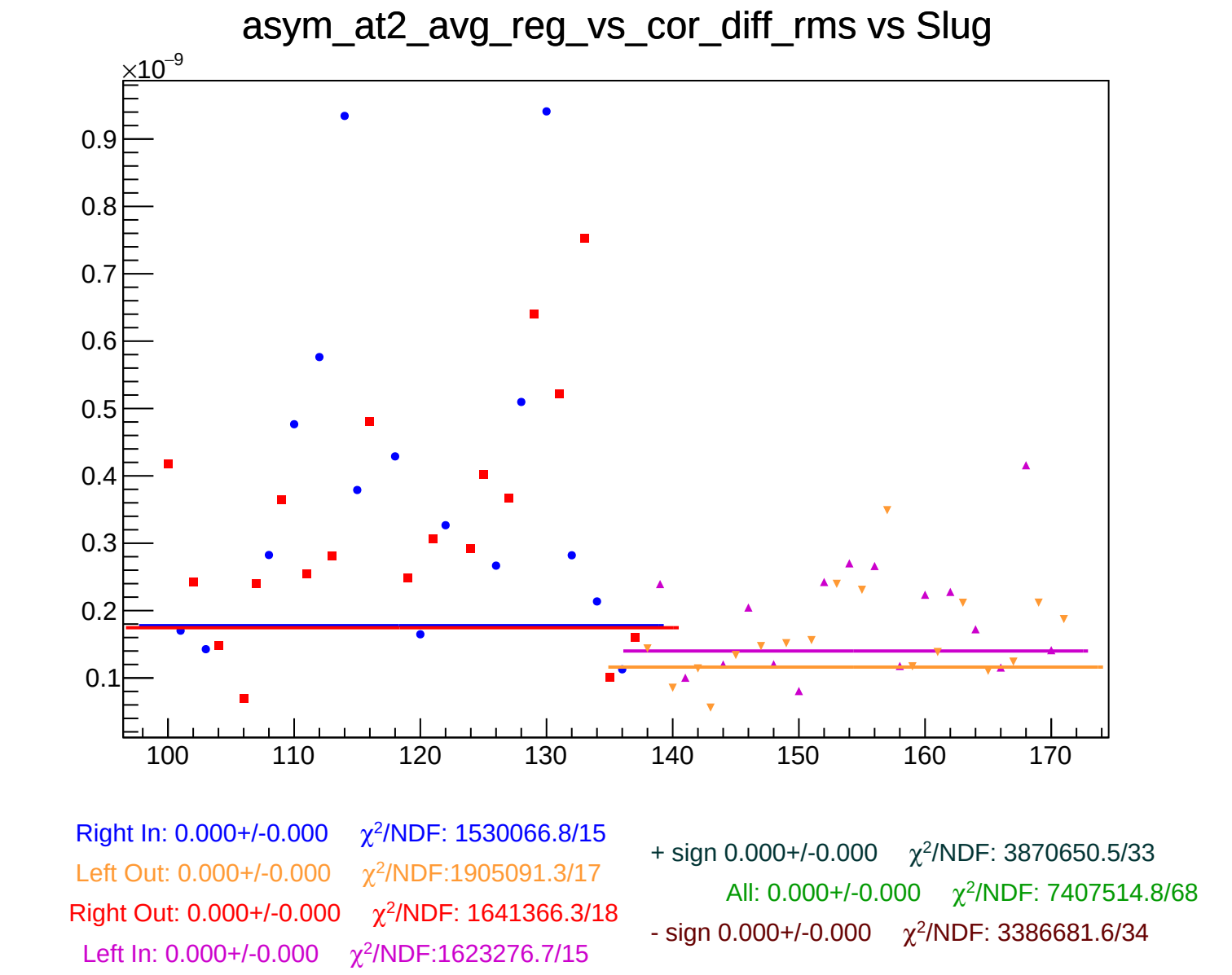
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:23.1/15

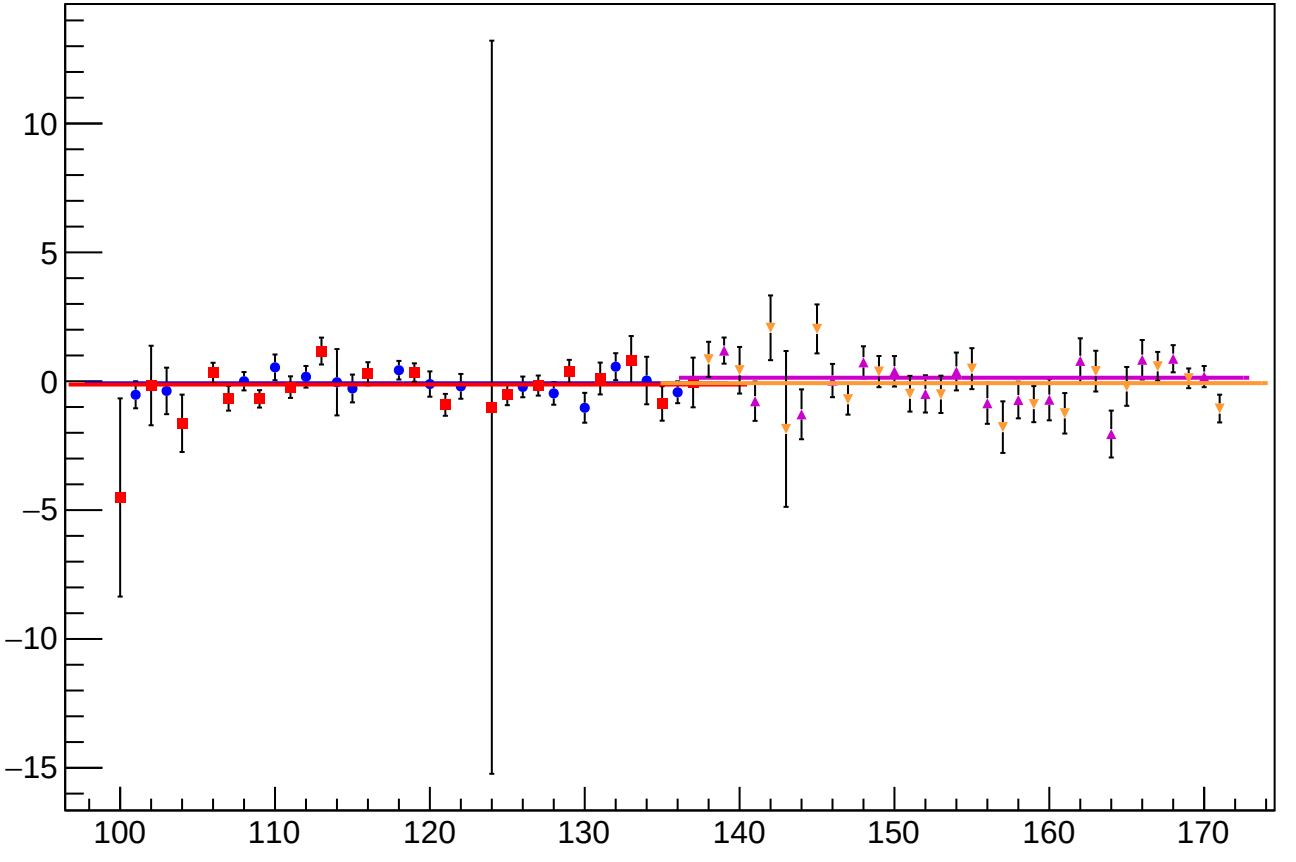
+ sign -0.000+/-0.000 χ^2/NDF: 25.7/33

All: 0.000+/-0.000 χ^2/NDF: 82.0/68

- sign 0.000+/-0.000 χ^2/NDF: 55.9/34


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1905091.3/17
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1623276.7/15
+ sign 0.000+/-0.000 χ²/NDF: 3870650.5/33
All: 0.000+/-0.000 χ²/NDF: 7407514.8/68
- sign 0.000+/-0.000 χ²/NDF: 3386681.6/34

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

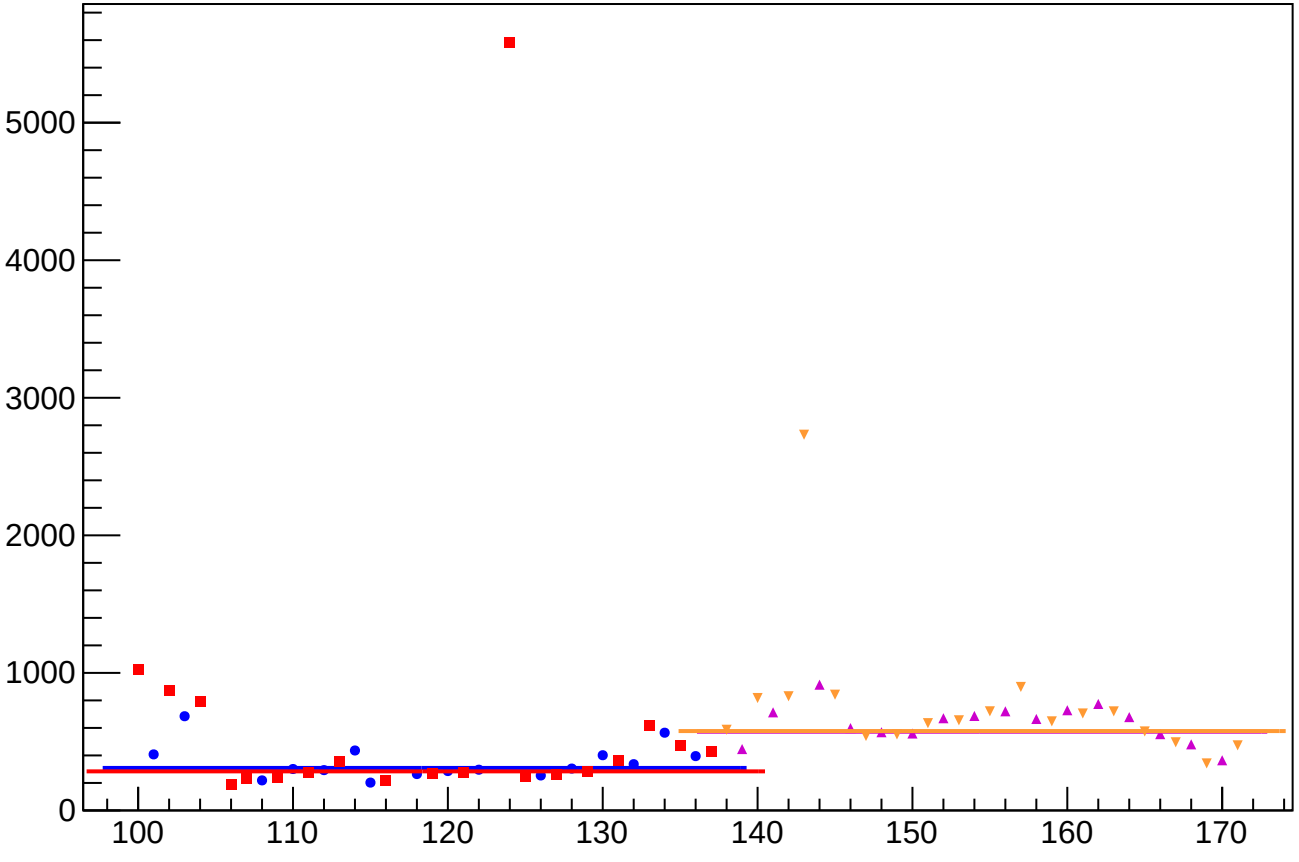
Left In: 0.136+/-0.164 χ^2/NDF:23.2/15

+ sign -0.078+/-0.098 χ^2/NDF: 35.8/33

All: -0.058+/-0.068 χ^2/NDF: 86.0/68

- sign -0.039+/-0.095 χ^2/NDF: 50.1/34

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 577.098+/-0.115 χ^2/NDF:2723570.7/17

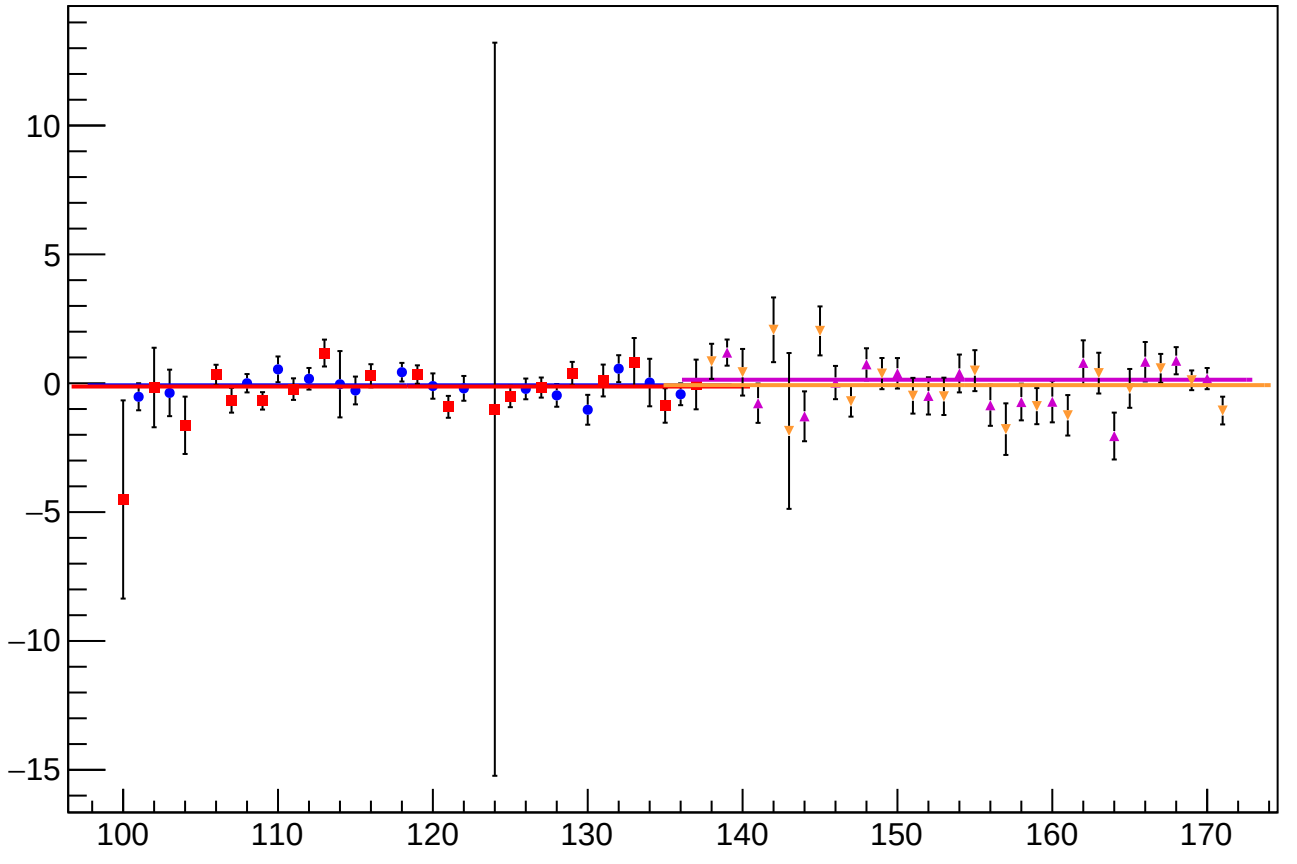
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 572.358+/-0.116 χ^2/NDF:1416561.5/15

+ sign 405.522+/-0.069 χ^2/NDF: 7218433.0/33

All: 393.076+/-0.048 χ^2/NDF: 14646104.4/68

- sign 381.209+/-0.067 χ^2/NDF: 7364020.3/34



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

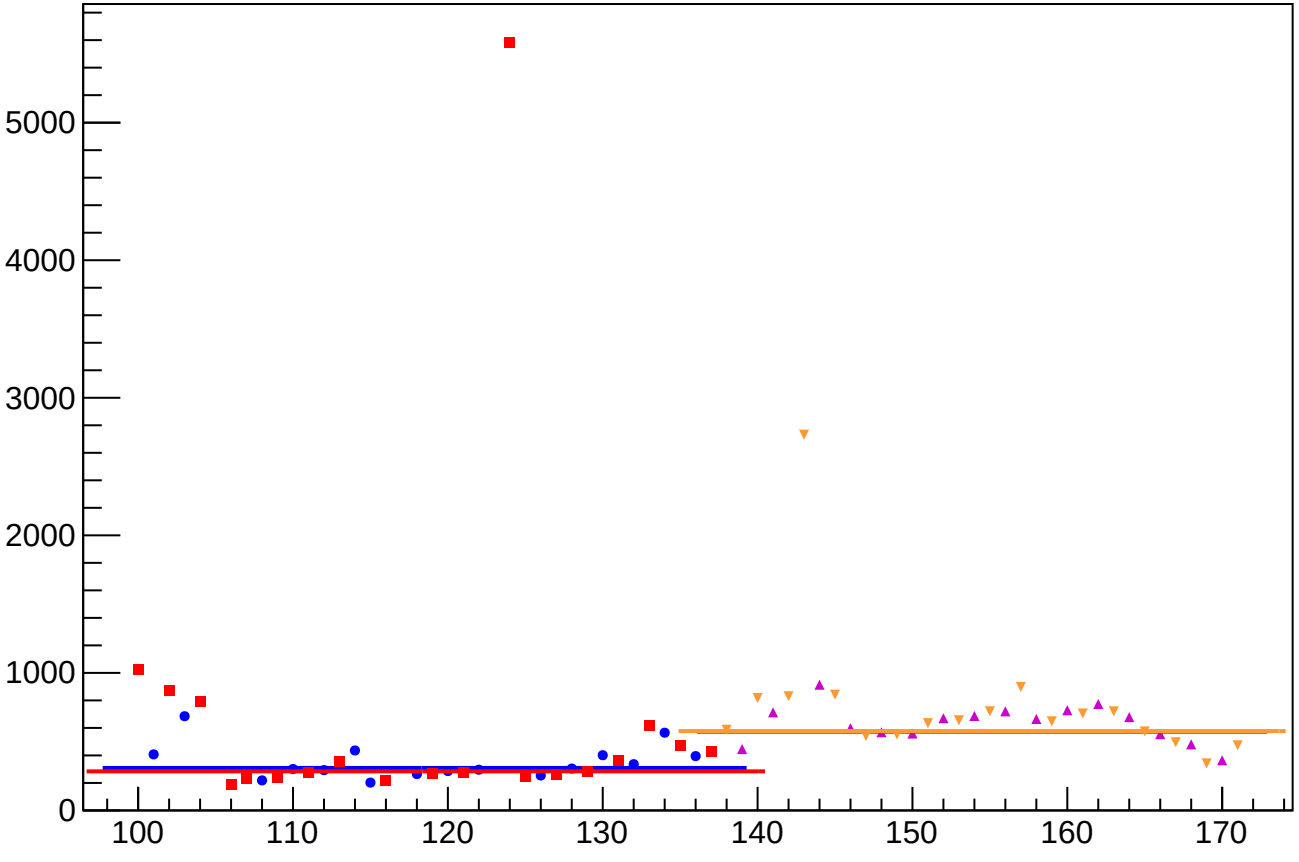
Left In: 0.136+/-0.164 χ^2/NDF:23.2/15

+ sign -0.078+/-0.098 χ^2/NDF: 35.8/33

All: -0.058+/-0.068 χ^2/NDF: 86.0/68

- sign -0.039+/-0.095 χ^2/NDF: 50.1/34

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: 577.098+/-0.115 χ^2/NDF:2723570.7/17

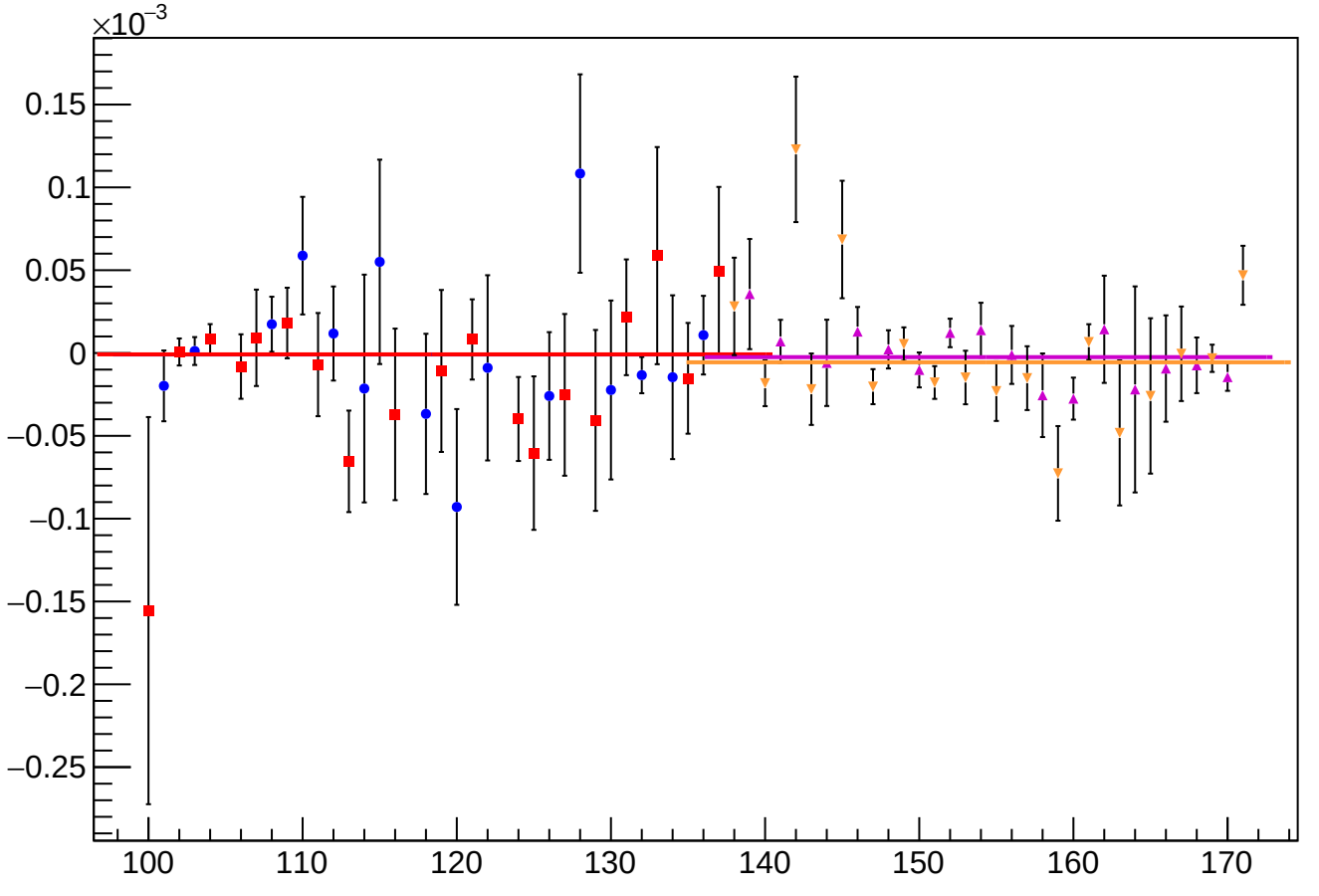
Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 572.358+/-0.116 χ^2/NDF:1416561.5/15

+ sign 405.522+/-0.069 χ^2/NDF: 7218433.0/33

All: 393.076+/-0.048 χ^2/NDF: 14646104.4/68

- sign 381.209+/-0.067 χ^2/NDF: 7364020.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/17

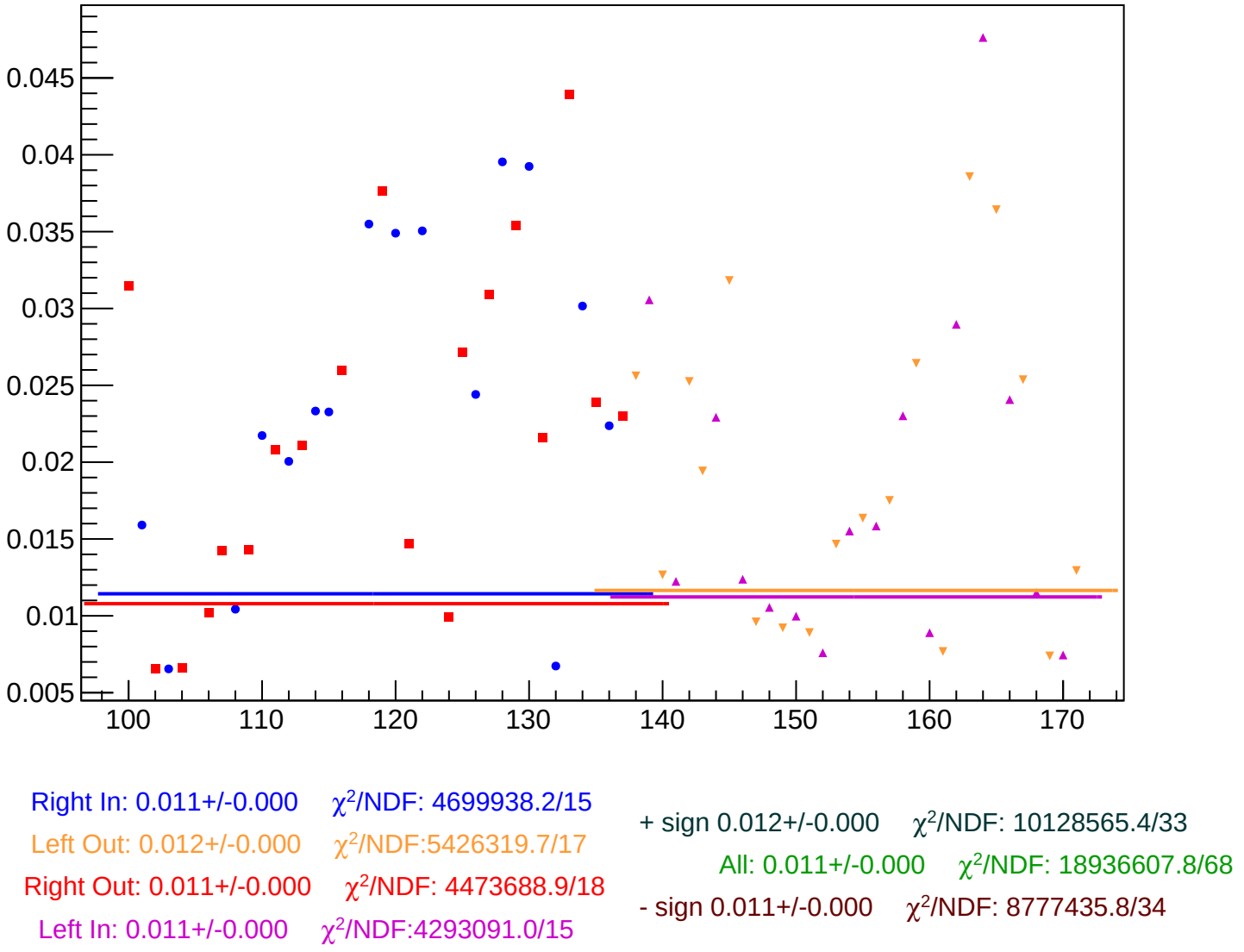
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

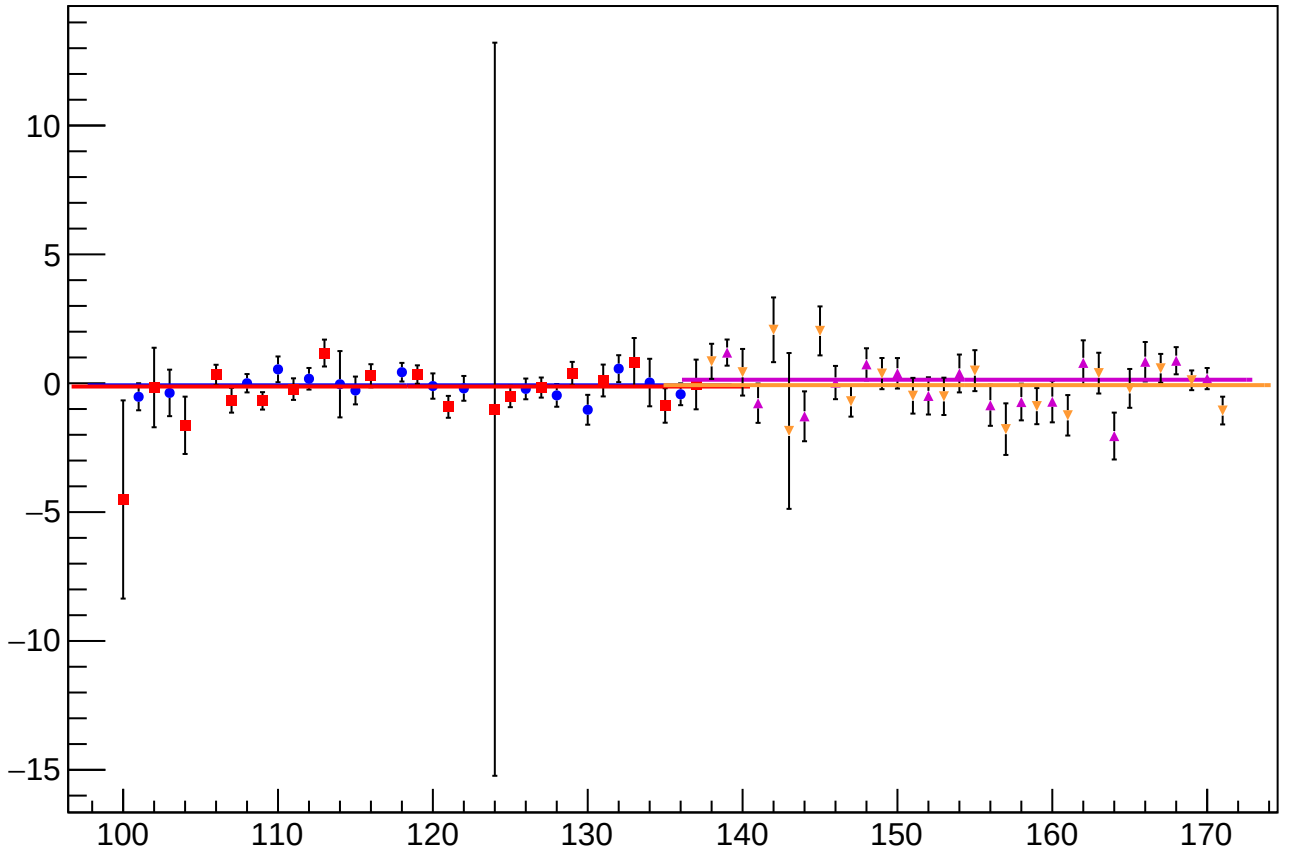
Left In: -0.000+/-0.000 χ^2/NDF:14.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/33

All: -0.000+/-0.000 χ^2/NDF: 85.0/68

- sign -0.000+/-0.000 χ^2/NDF: 31.1/34


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
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
170
Right In: 0.011+/-0.000 χ²/NDF: 4699938.2/15
Left Out: 0.012+/-0.000 χ²/NDF:5426319.7/17
Right Out: 0.011+/-0.000 χ²/NDF: 4473688.9/18
Left In: 0.011+/-0.000 χ²/NDF:4293091.0/15
+ sign 0.012+/-0.000 χ²/NDF: 10128565.4/33
All: 0.011+/-0.000 χ²/NDF: 18936607.8/68
- sign 0.011+/-0.000 χ²/NDF: 8777435.8/34



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

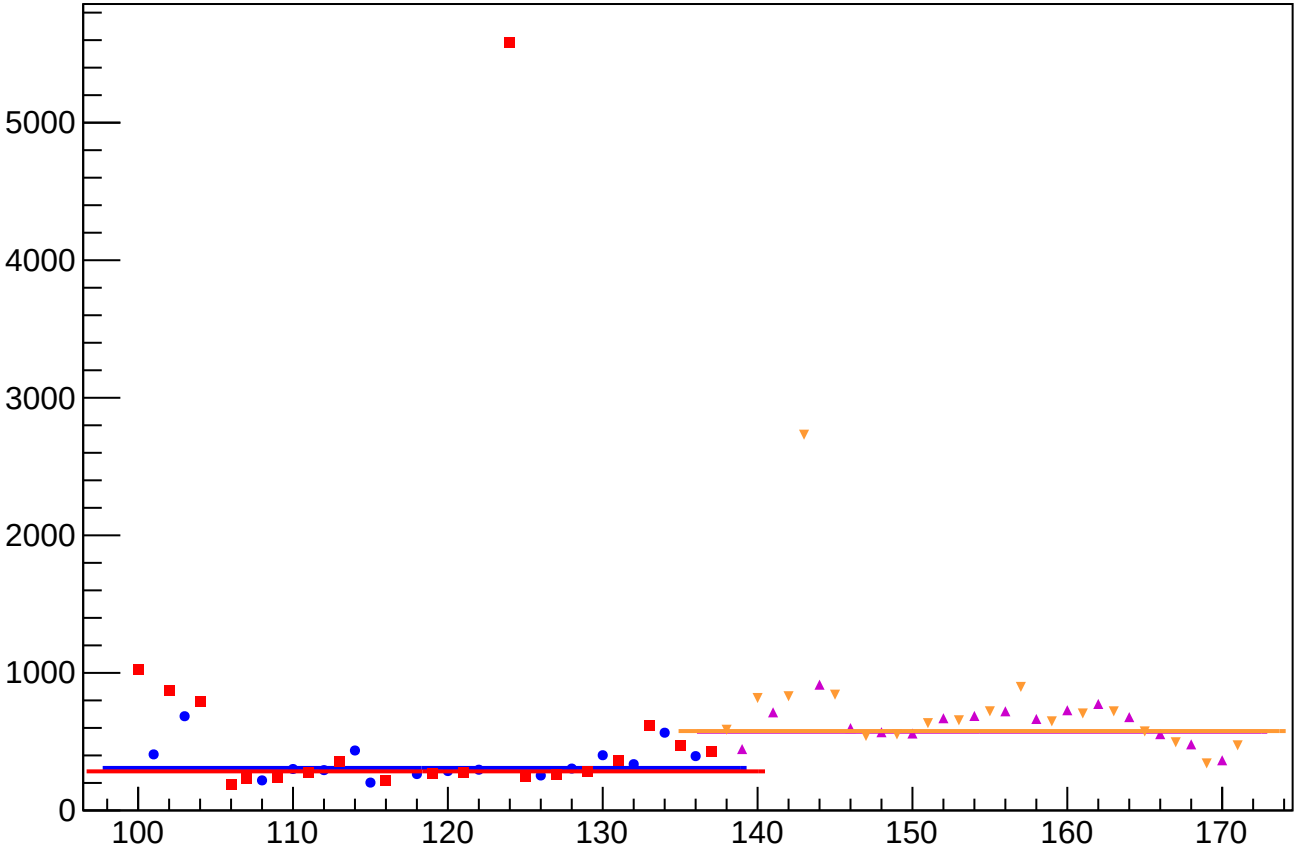
Left In: 0.136+/-0.164 χ^2/NDF:23.2/15

+ sign -0.078+/-0.098 χ^2/NDF: 35.8/33

All: -0.058+/-0.068 χ^2/NDF: 86.0/68

- sign -0.039+/-0.095 χ^2/NDF: 50.1/34

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: 577.101+/-0.115 χ^2/NDF:2723678.3/17

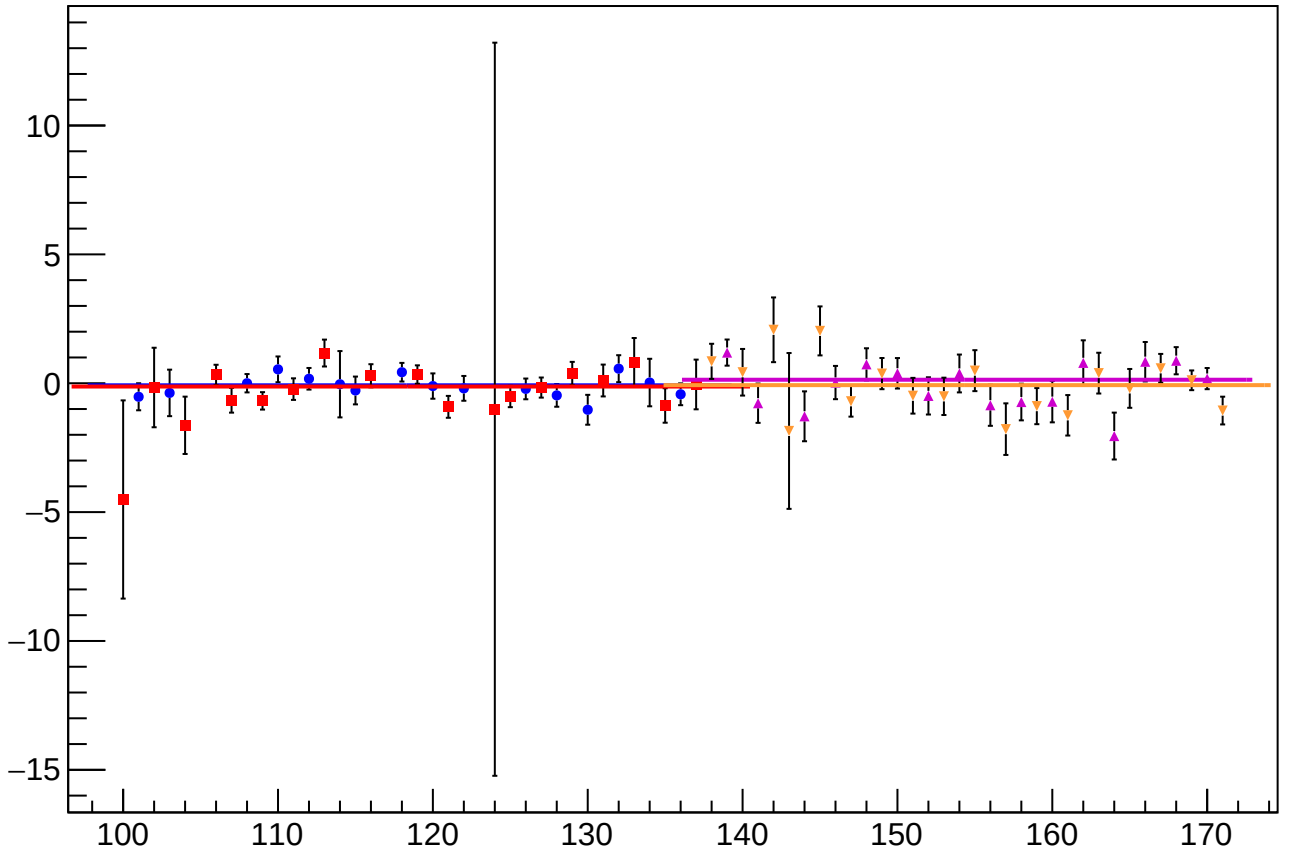
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

+ sign 405.521+/-0.069 χ^2/NDF: 7218581.5/33

All: 393.076+/-0.048 χ^2/NDF: 14646421.5/68

- sign 381.209+/-0.067 χ^2/NDF: 7364192.4/34



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: -0.128+/-0.117 χ^2/NDF: 25.3/18

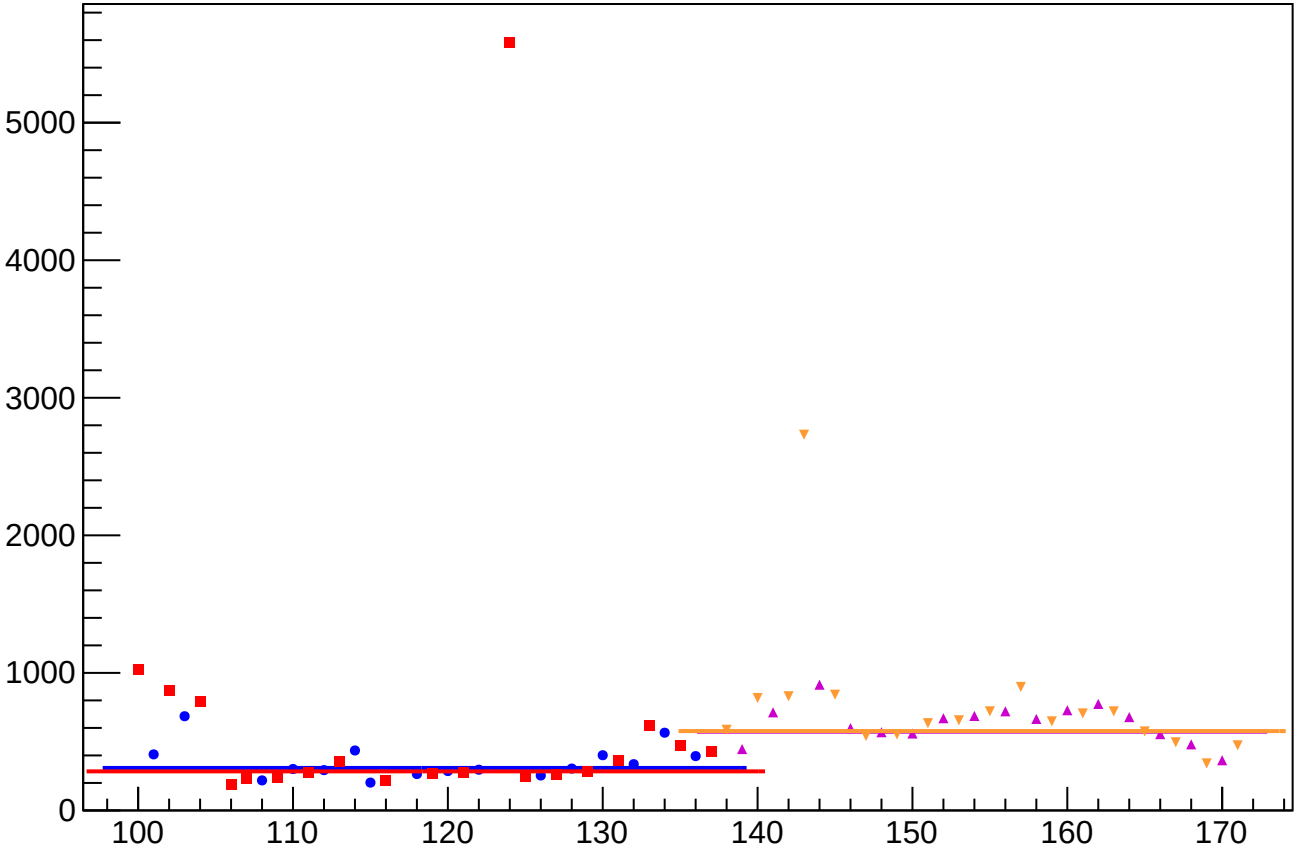
Left In: 0.136+/-0.164 χ^2/NDF:23.2/15

+ sign -0.078+/-0.098 χ^2/NDF: 35.8/33

All: -0.058+/-0.068 χ^2/NDF: 86.0/68

- sign -0.039+/-0.095 χ^2/NDF: 50.1/34

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: 577.101+/-0.115 χ^2/NDF:2723678.3/17

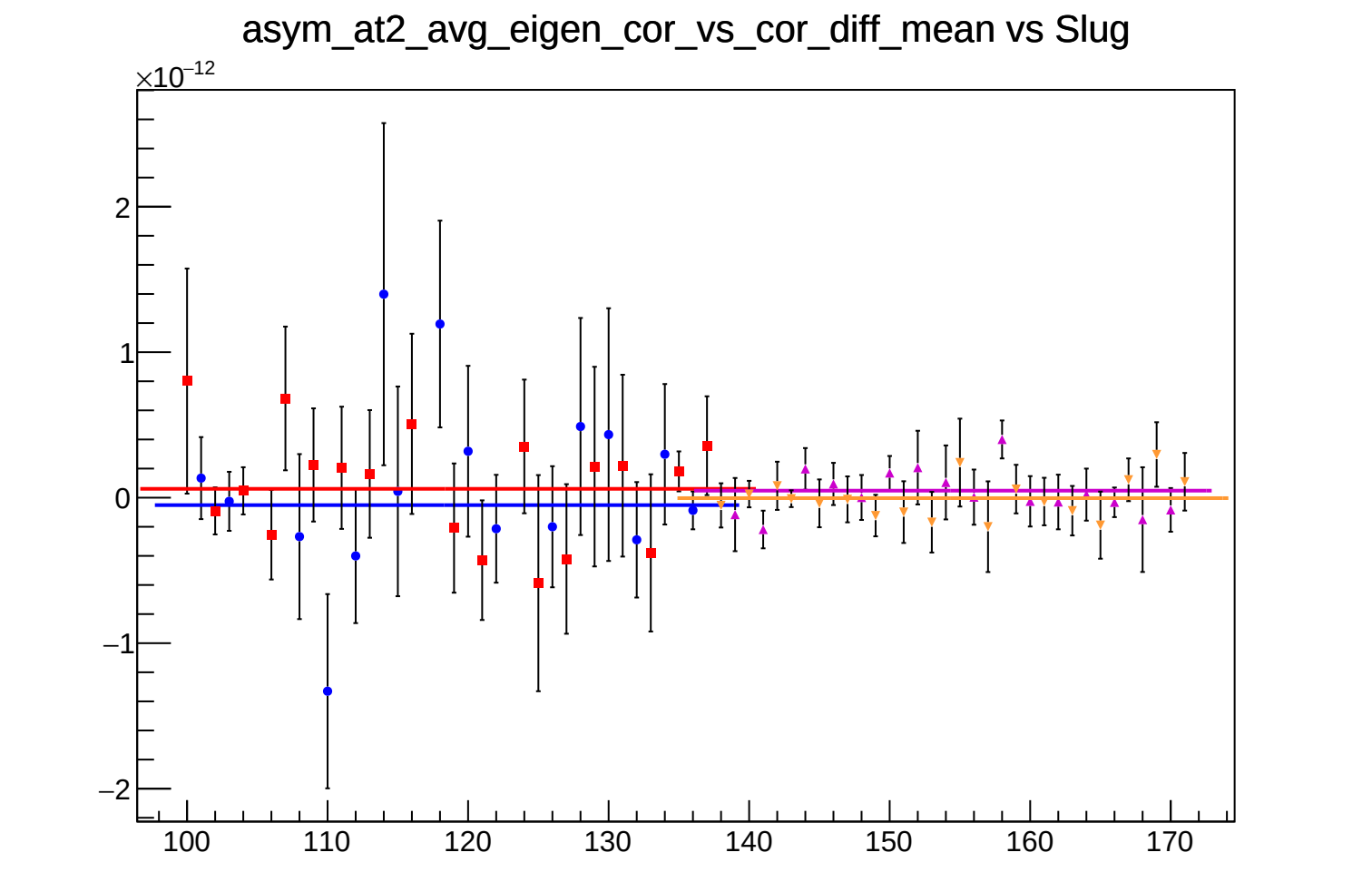
Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

+ sign 405.521+/-0.069 χ^2/NDF: 7218581.5/33

All: 393.076+/-0.048 χ^2/NDF: 14646421.5/68

- sign 381.209+/-0.067 χ^2/NDF: 7364192.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.1/17

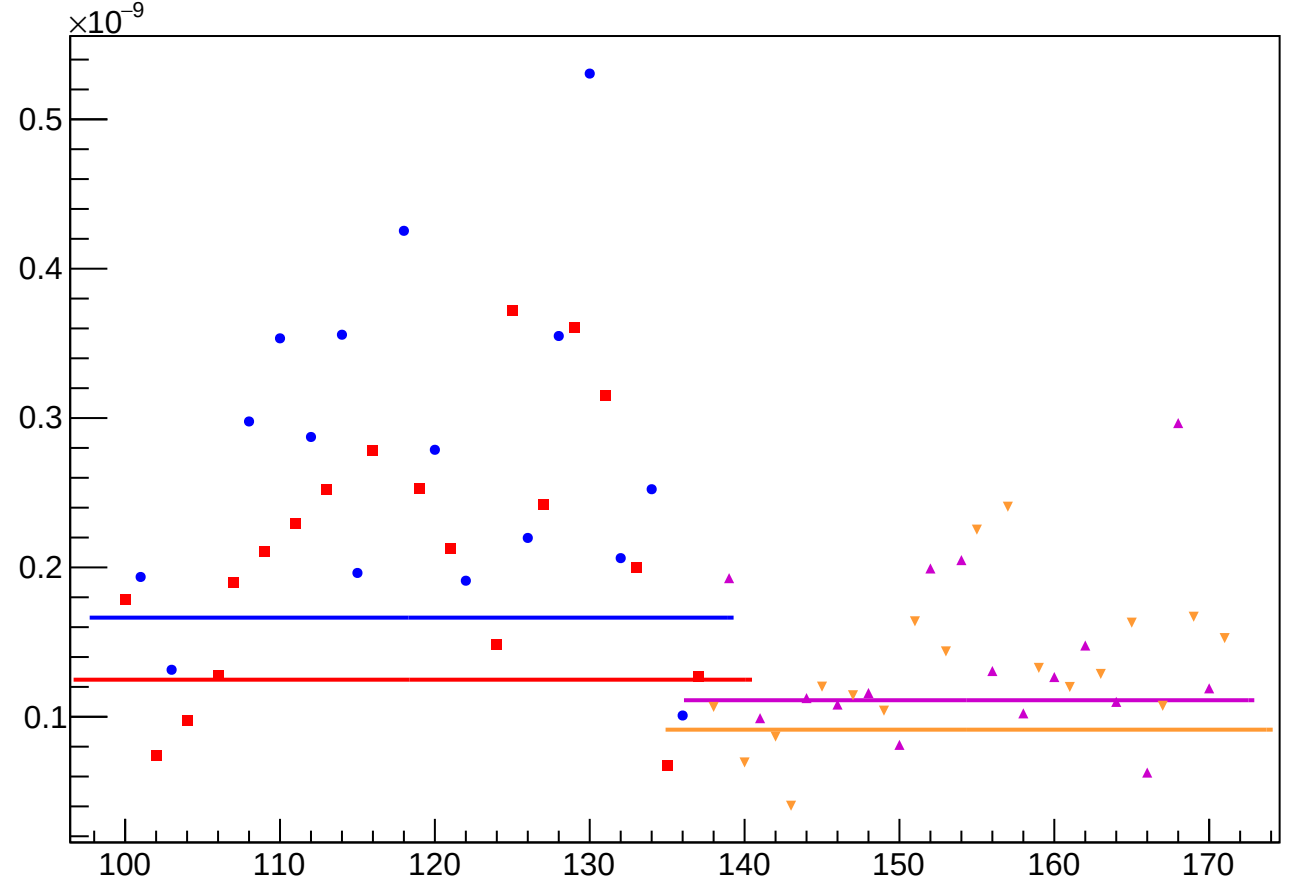
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 19.3/33

All: 0.000+/-0.000 χ^2/NDF: 49.4/68

- sign 0.000+/-0.000 χ^2/NDF: 28.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3950833.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

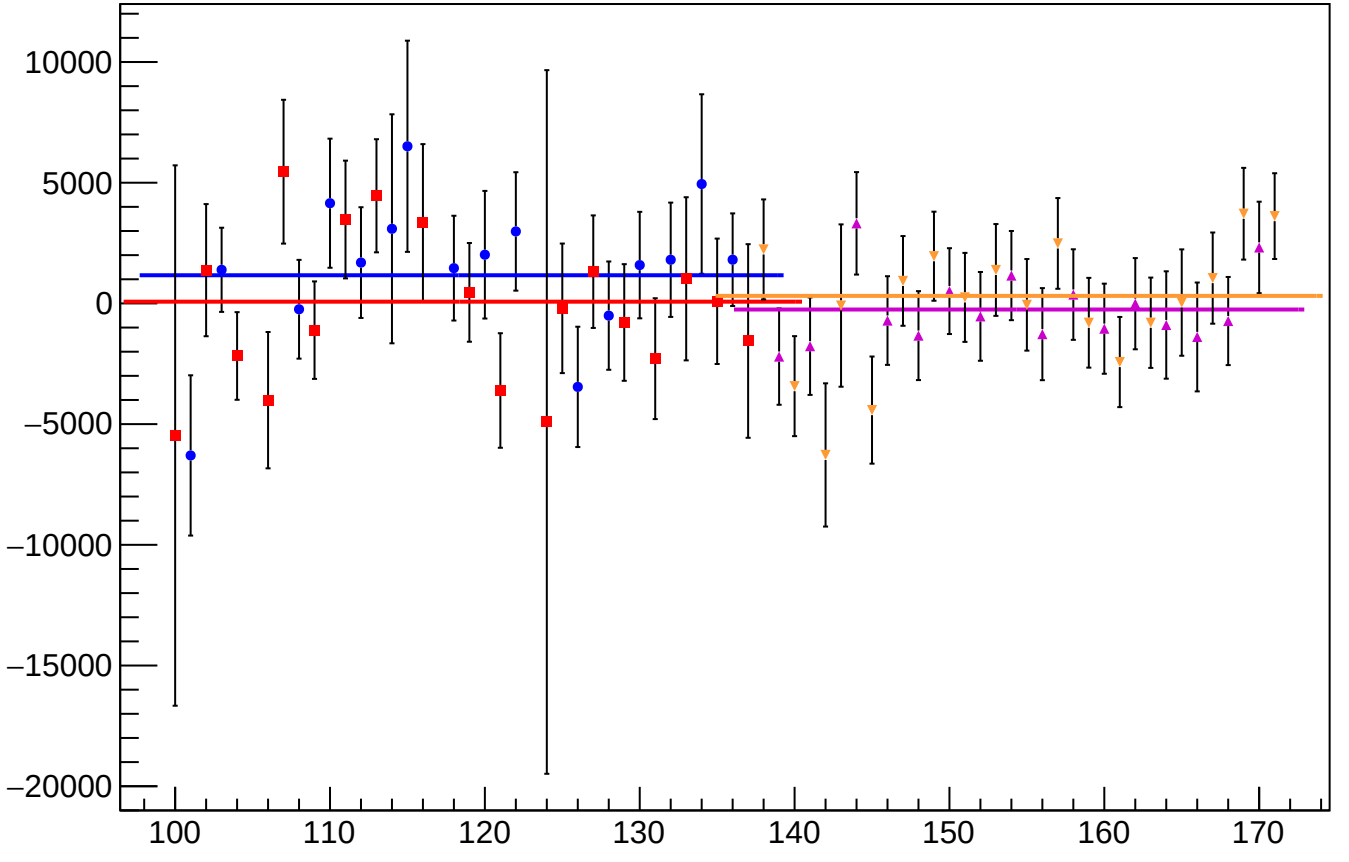
Left In: 0.000+/-0.000 χ^2/NDF:1991397.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 7302161.2/33

All: 0.000+/-0.000 χ^2/NDF: 11721340.0/68

- sign 0.000+/-0.000 χ^2/NDF: 4259548.8/34

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 312.252+/-469.901 χ^2/NDF:25.9/17

Right Out: 72.181+/-603.362 χ^2/NDF: 18.3/18

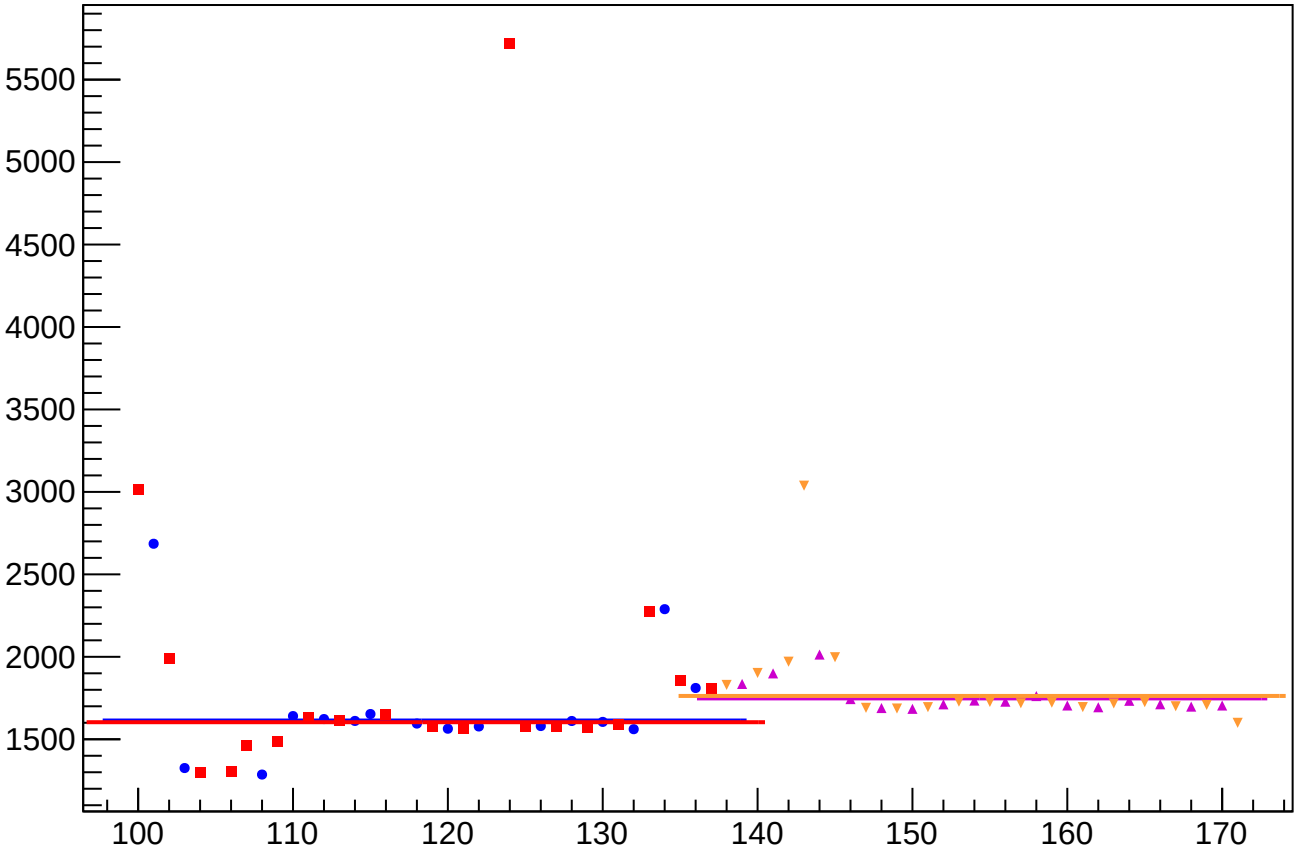
Left In: -252.596+/-481.223 χ^2/NDF:8.4/15

+ sign 631.064+/-372.068 χ^2/NDF: 41.6/33

All: 256.570+/-264.547 χ^2/NDF: 70.5/68

- sign -126.323+/-376.218 χ^2/NDF: 26.8/34

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

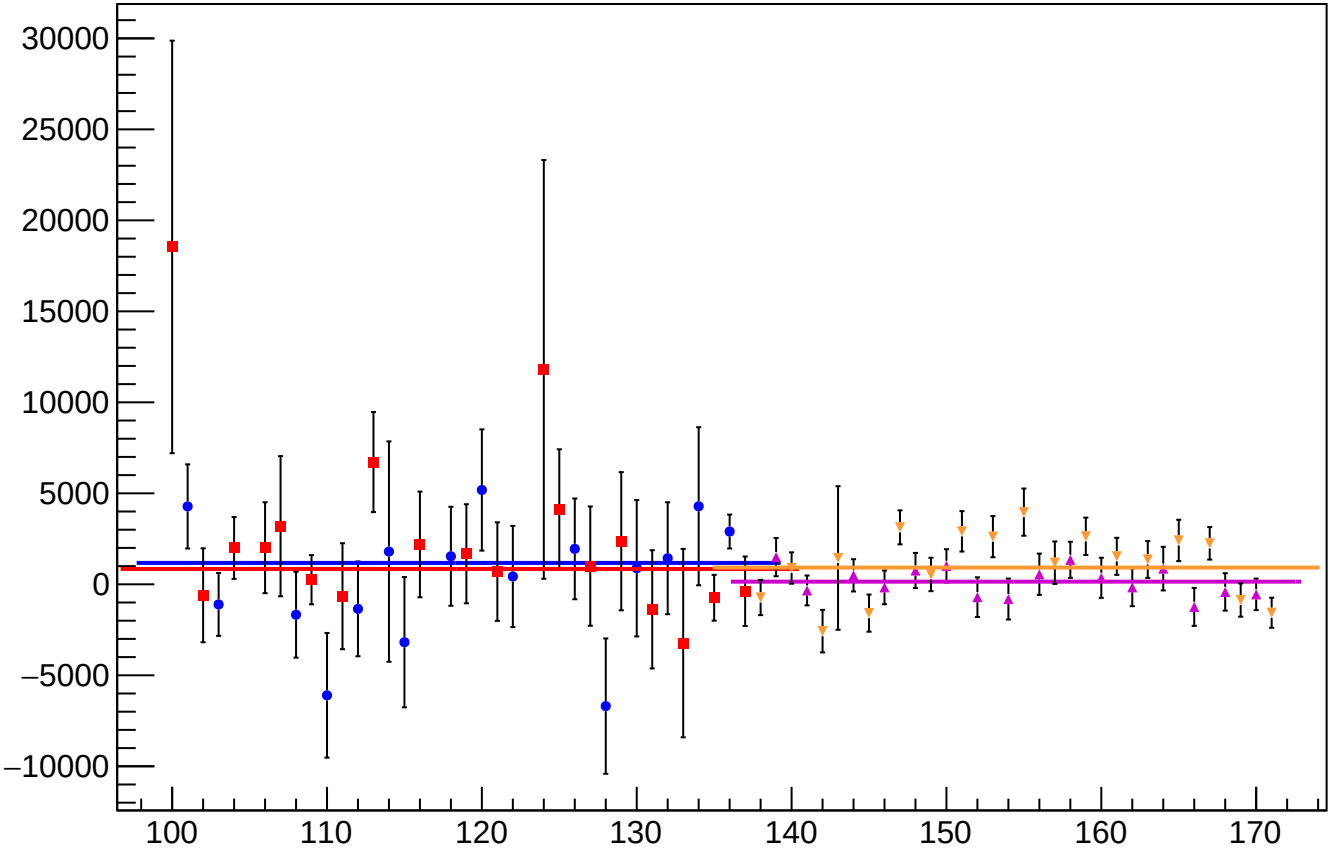
Left In: 1747.796+/-0.340 χ^2/NDF:58055.5/15

+ sign 1707.131+/-0.263 χ^2/NDF: 848409.9/33

All: 1699.491+/-0.187 χ^2/NDF: 1403914.2/68

- sign 1691.680+/-0.266 χ^2/NDF: 553799.0/34

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 920.450+/-242.513 χ^2/NDF:54.8/17

Right Out: 843.857+/-557.438 χ^2/NDF: 14.3/18

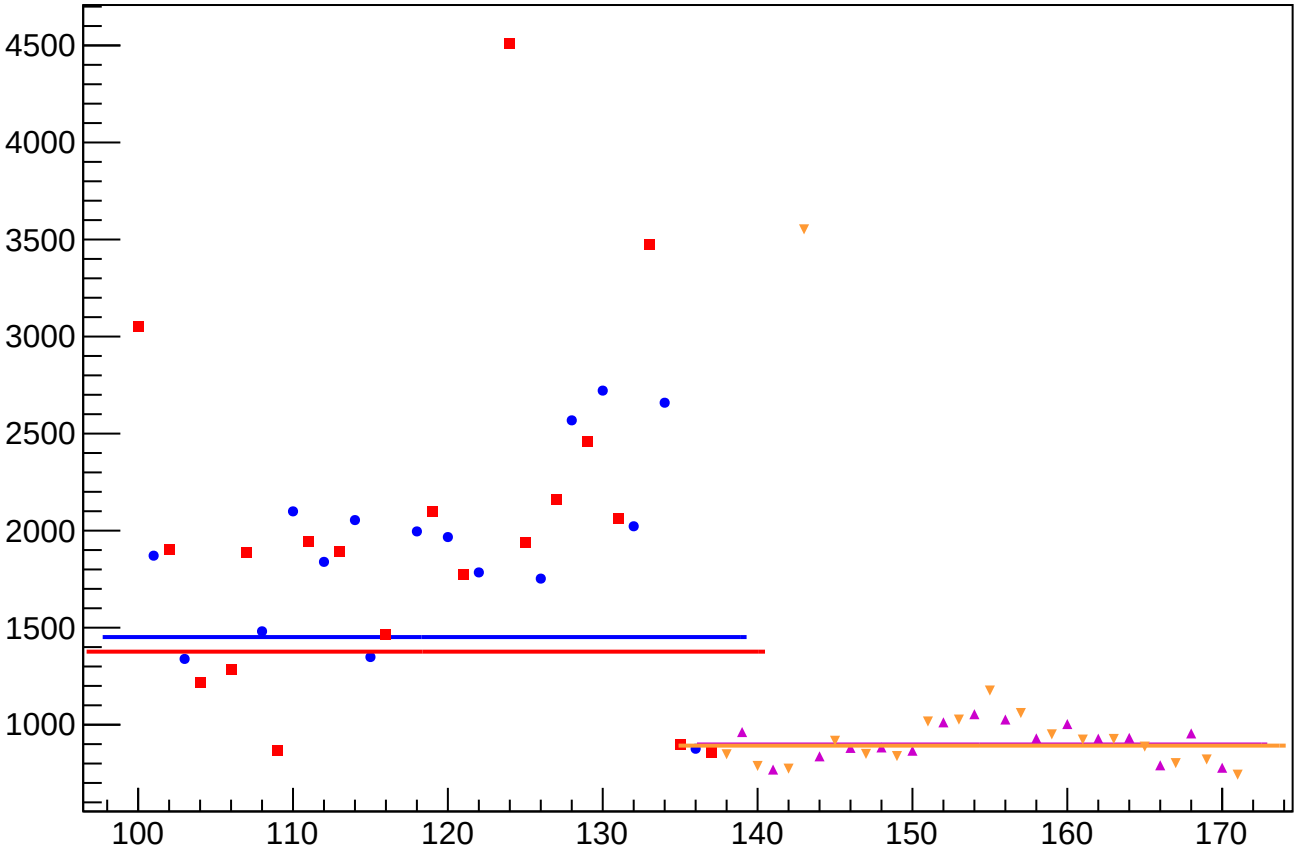
Left In: 145.500+/-248.711 χ^2/NDF:9.7/15

+ sign 958.506+/-223.688 χ^2/NDF: 77.0/33

All: 615.293+/-159.374 χ^2/NDF: 107.0/68

- sign 261.439+/-227.129 χ^2/NDF: 25.3/34

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 892.327+/-0.171 χ^2/NDF:1275256.0/17

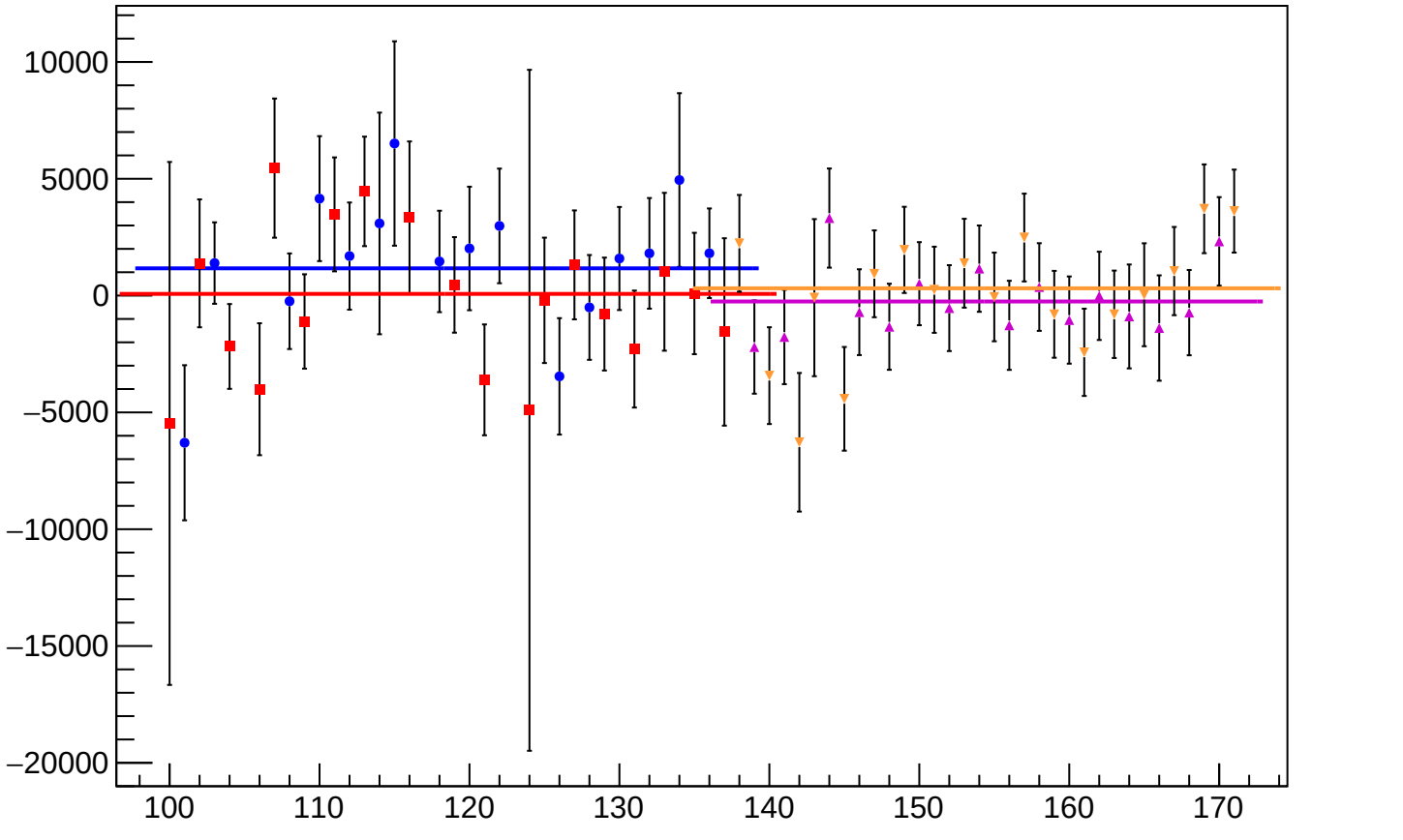
Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 898.181+/-0.176 χ^2/NDF:245365.6/15

+ sign 975.788+/-0.158 χ^2/NDF: 4653513.3/33

All: 976.673+/-0.113 χ^2/NDF: 8258923.5/68

- sign 977.585+/-0.161 χ^2/NDF: 3605346.6/34



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 312.120+/-469.901 χ^2/NDF:25.9/17

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

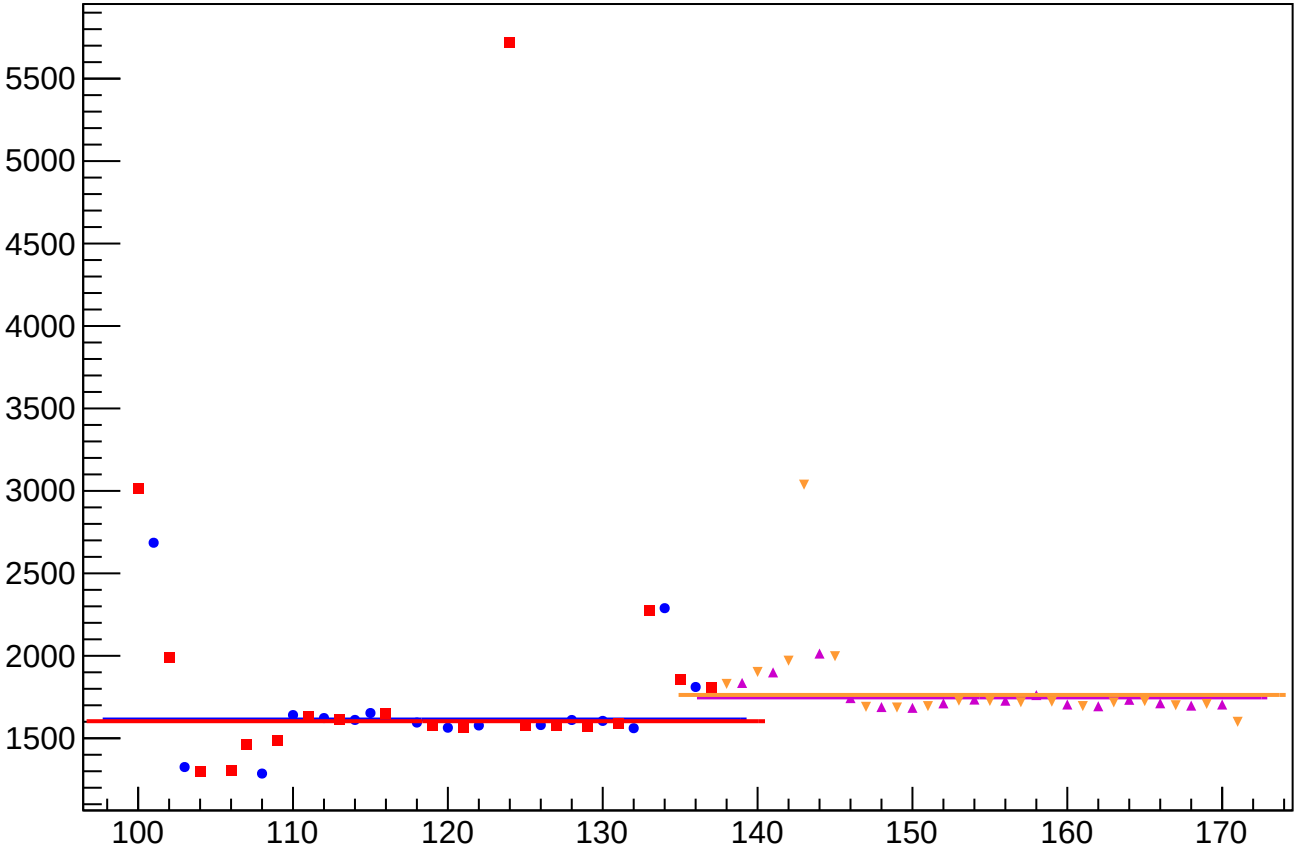
Left In: -252.493+/-481.223 χ^2/NDF:8.4/15

+ sign 630.947+/-372.068 χ^2/NDF: 41.6/33

All: 256.603+/-264.547 χ^2/NDF: 70.5/68

- sign -126.137+/-376.218 χ^2/NDF: 26.8/34

cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

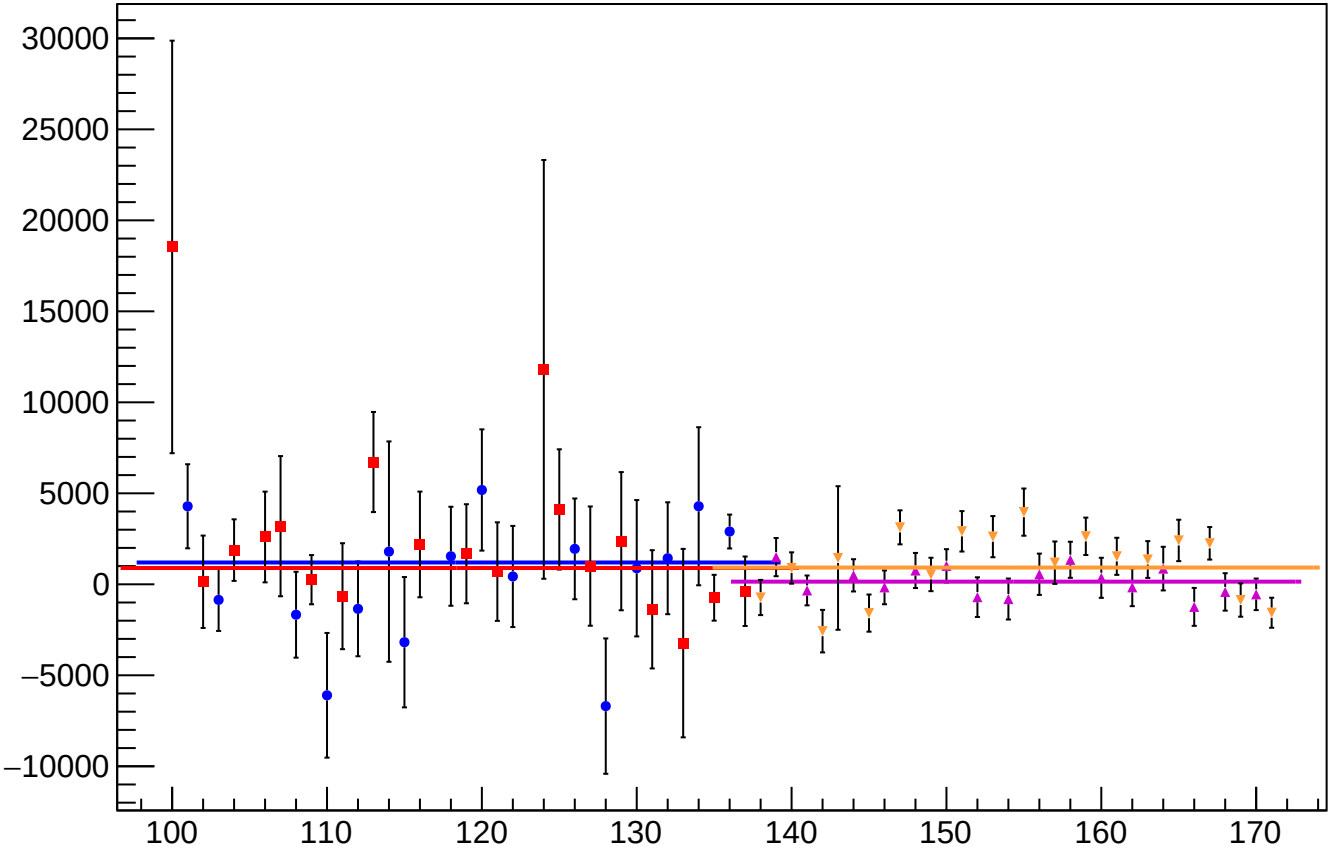
Left In: 1747.797+/-0.340 χ^2/NDF:58055.5/15

+ sign 1707.131+/-0.263 χ^2/NDF: 848410.3/33

All: 1699.491+/-0.187 χ^2/NDF: 1403914.8/68

- sign 1691.680+/-0.266 χ^2/NDF: 553799.1/34

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 920.479+/-242.516 χ^2/NDF:54.8/17

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

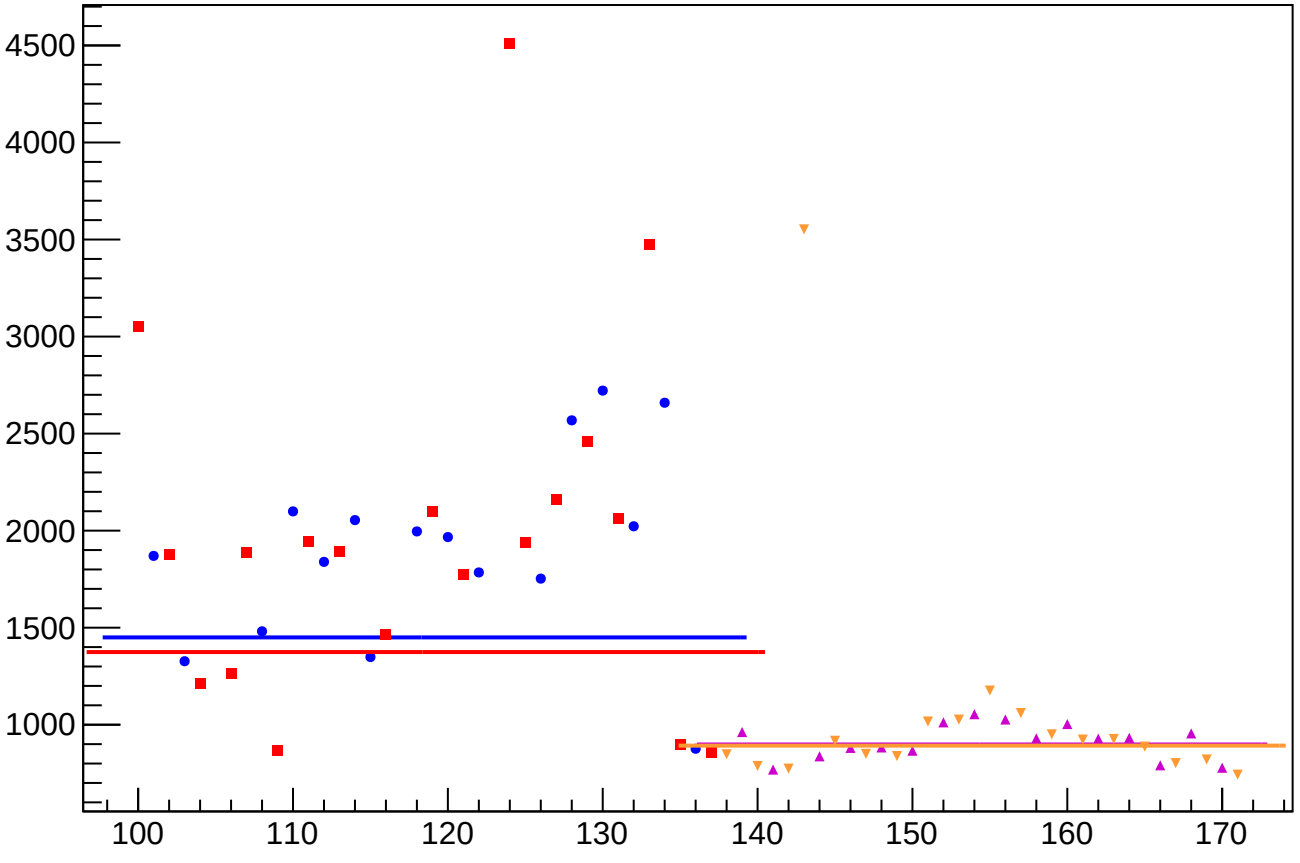
Left In: 145.437+/-248.710 χ^2/NDF:9.7/15

+ sign 962.044+/-223.643 χ^2/NDF: 76.7/33

All: 621.412+/-159.340 χ^2/NDF: 106.8/68

- sign 270.242+/-227.076 χ^2/NDF: 25.4/34

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 892.340+/-0.171 χ^2/NDF:1275156.5/17

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

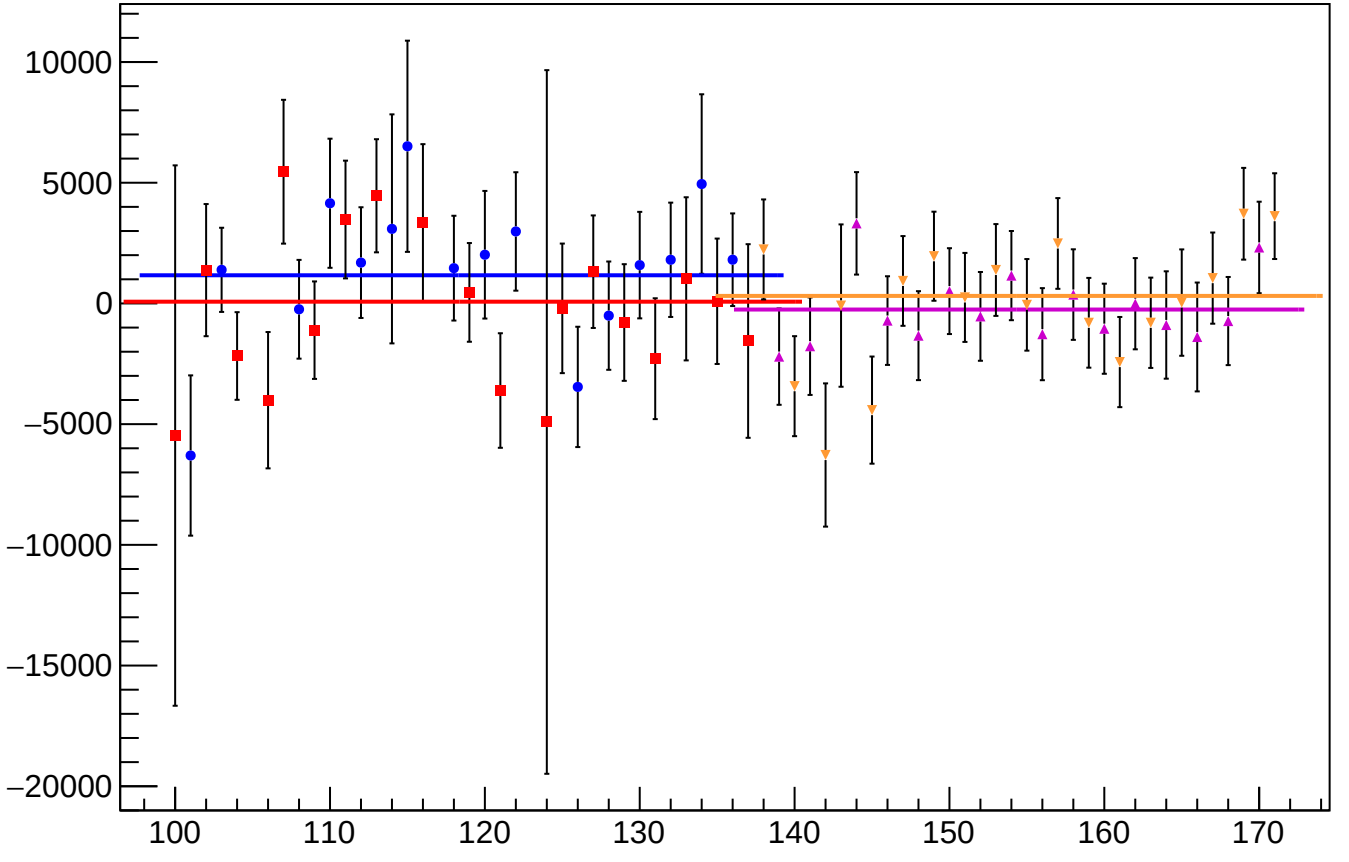
Left In: 898.177+/-0.176 χ^2/NDF:245434.6/15

+ sign 975.750+/-0.158 χ^2/NDF: 4649391.7/33

All: 976.575+/-0.113 χ^2/NDF: 8242936.2/68

- sign 977.427+/-0.161 χ^2/NDF: 3593489.1/34

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 312.120+/-469.901 χ^2/NDF:25.9/17

Right Out: 72.499+/-603.362 χ^2/NDF: 18.3/18

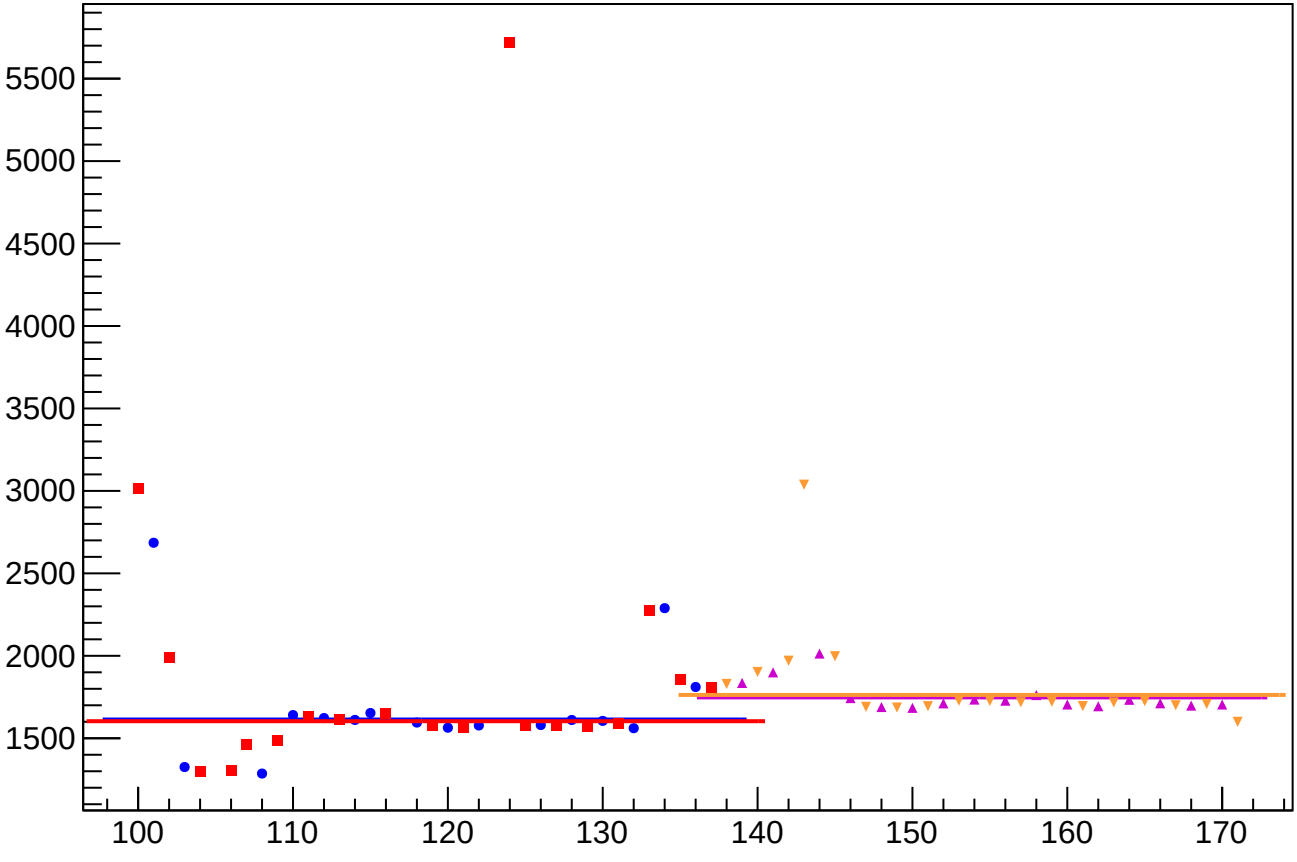
Left In: -252.493+/-481.223 χ^2/NDF:8.4/15

+ sign 630.947+/-372.068 χ^2/NDF: 41.6/33

All: 256.603+/-264.547 χ^2/NDF: 70.5/68

- sign -126.137+/-376.218 χ^2/NDF: 26.8/34

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

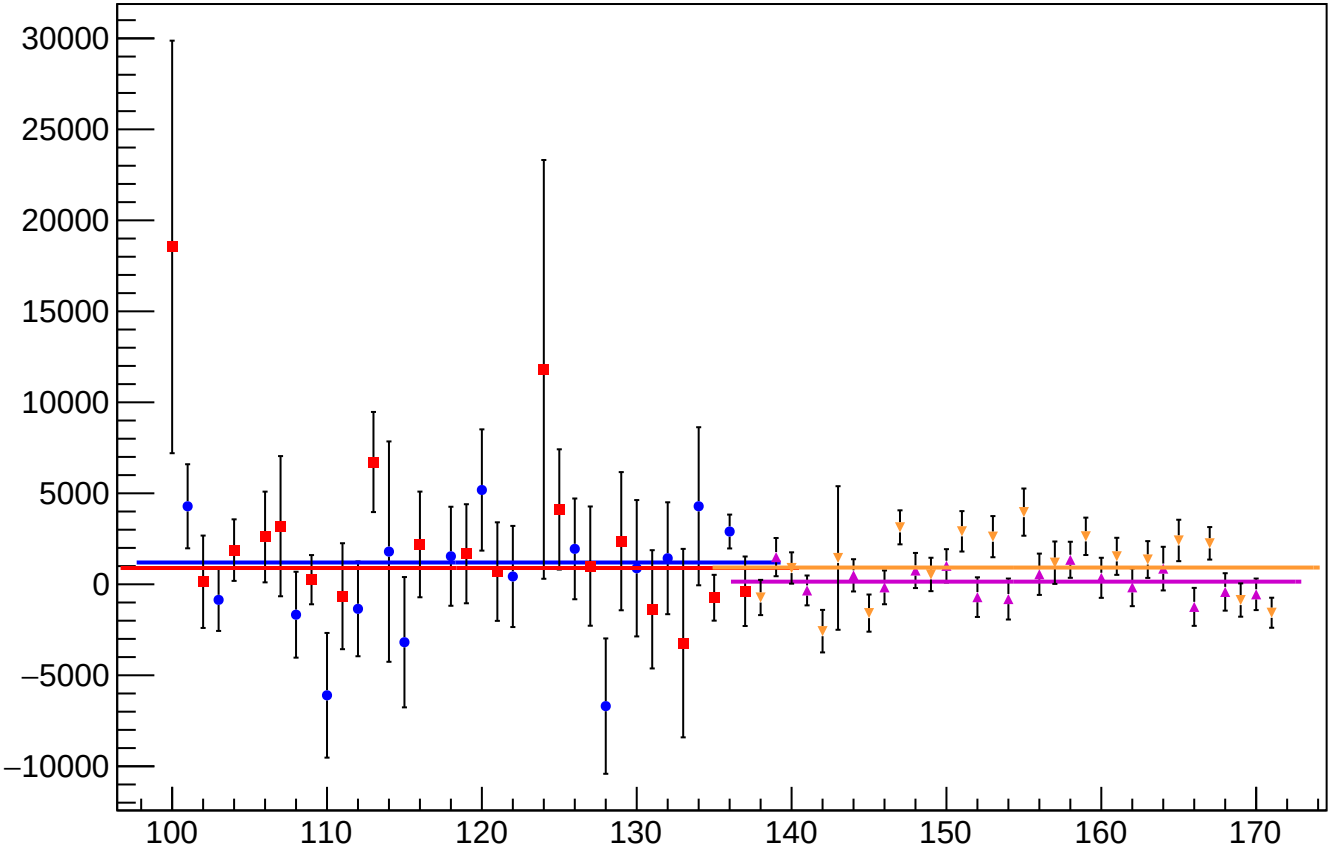
Left In: 1747.797+/-0.340 χ^2/NDF:58055.5/15

+ sign 1707.131+/-0.263 χ^2/NDF: 848410.3/33

All: 1699.491+/-0.187 χ^2/NDF: 1403914.8/68

- sign 1691.680+/-0.266 χ^2/NDF: 553799.1/34

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 920.479+/-242.516 χ^2/NDF:54.8/17

Right Out: 895.463+/-556.666 χ^2/NDF: 14.2/18

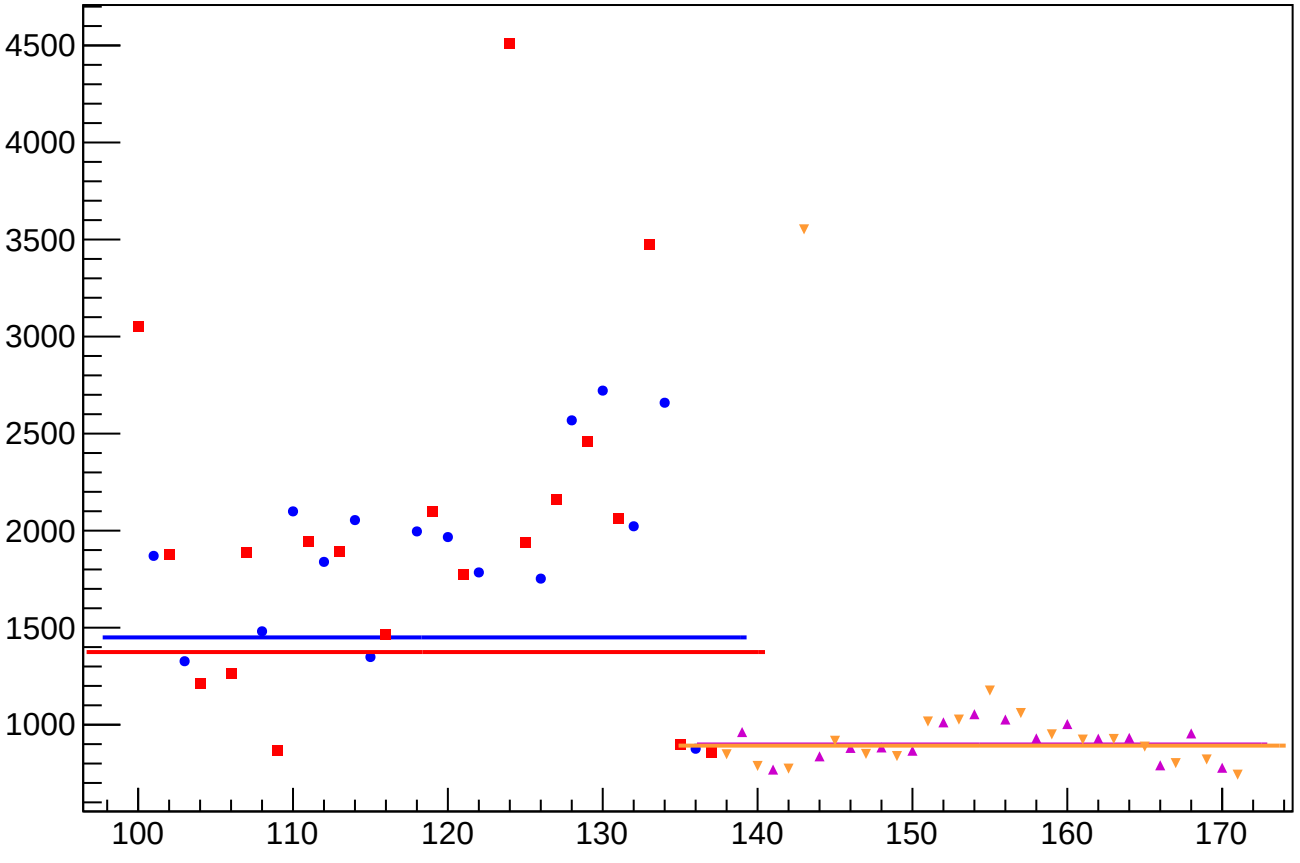
Left In: 145.437+/-248.710 χ^2/NDF:9.7/15

+ sign 962.044+/-223.643 χ^2/NDF: 76.7/33

All: 621.412+/-159.340 χ^2/NDF: 106.8/68

- sign 270.242+/-227.076 χ^2/NDF: 25.4/34

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 892.340+/-0.171 χ^2/NDF:1275156.5/17

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

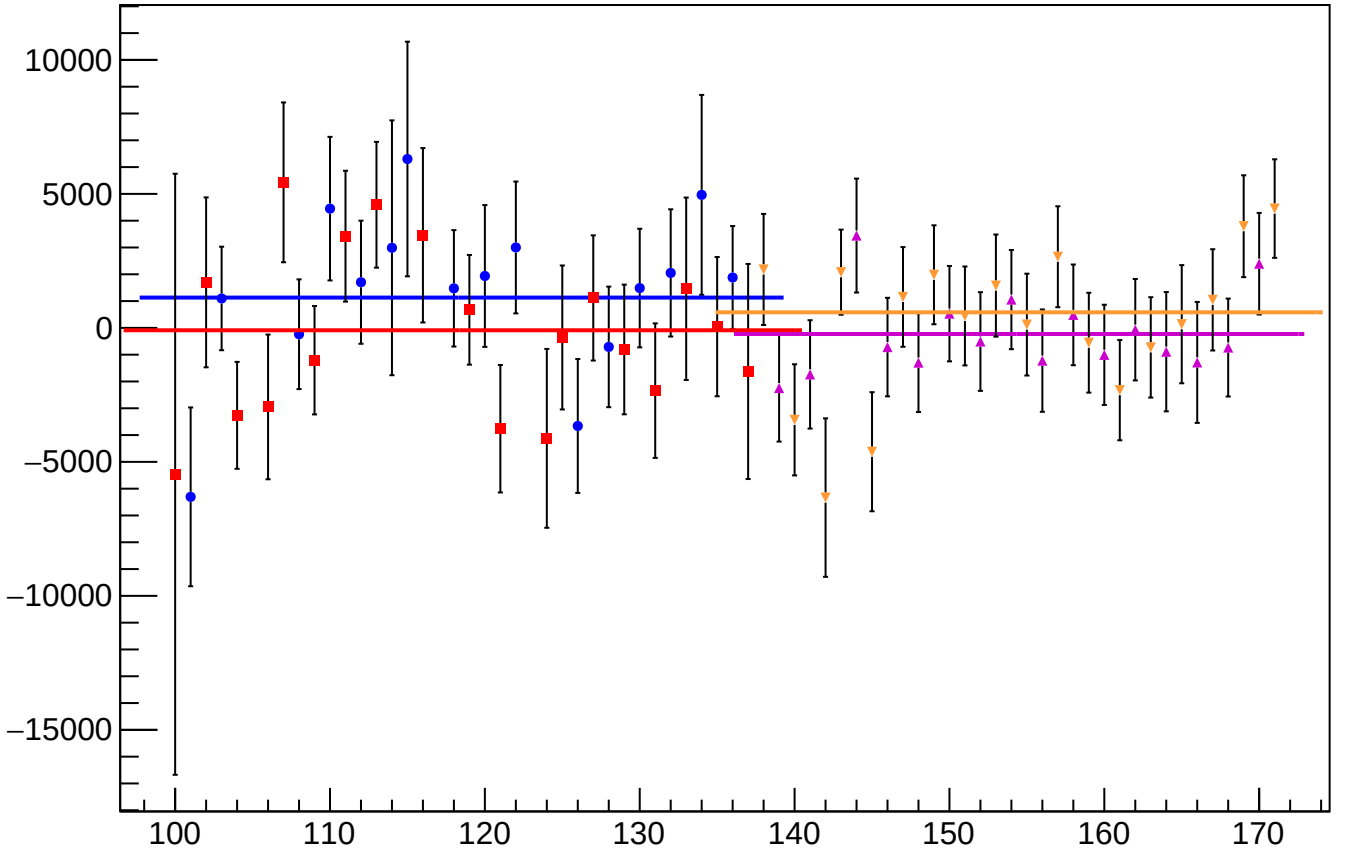
Left In: 898.177+/-0.176 χ^2/NDF:245434.6/15

+ sign 975.750+/-0.158 χ^2/NDF: 4649391.7/33

All: 976.575+/-0.113 χ^2/NDF: 8242936.2/68

- sign 977.427+/-0.161 χ^2/NDF: 3593489.1/34

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 581.217+/-456.108 χ^2/NDF:29.1/17

Right Out: -89.220+/-603.072 χ^2/NDF: 20.7/18

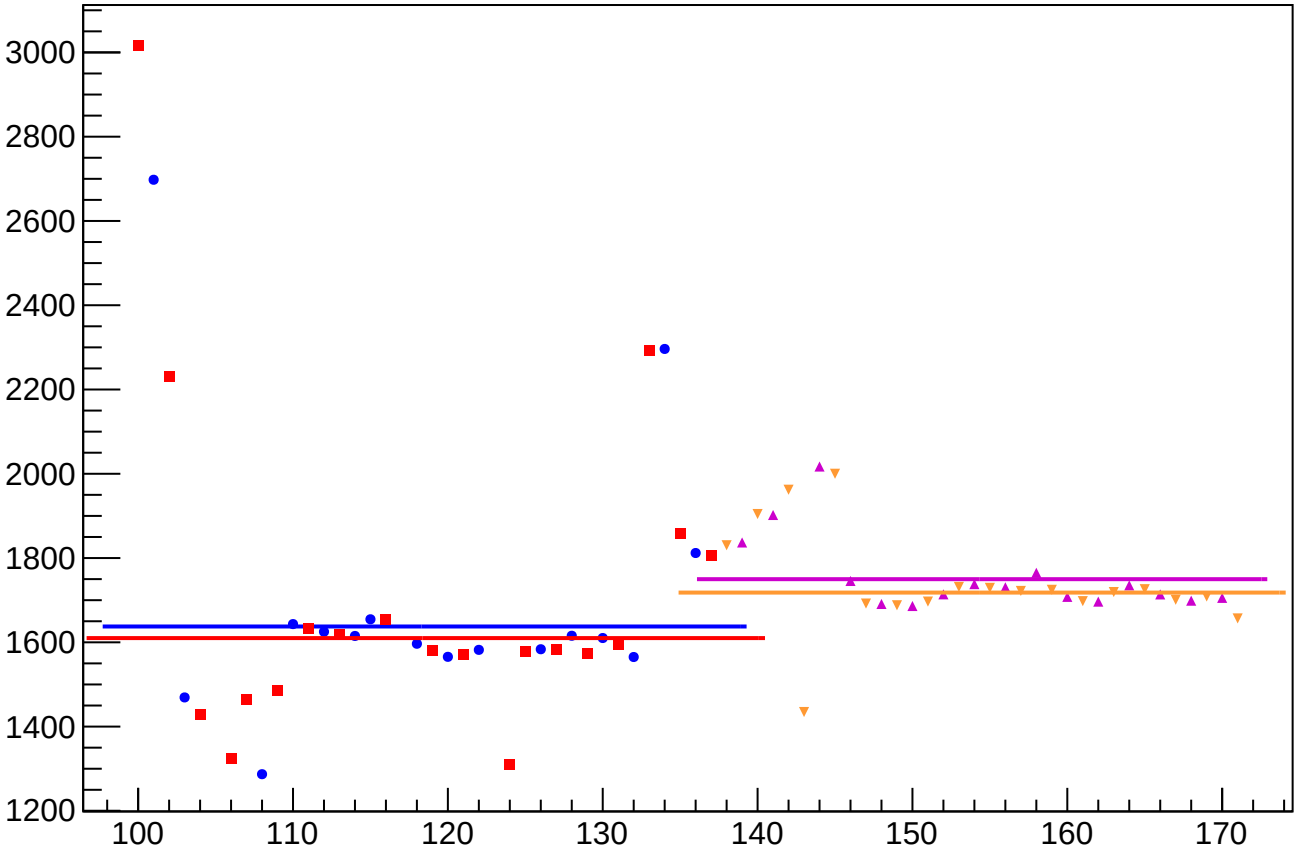
Left In: -228.459+/-481.799 χ^2/NDF:8.5/15

+ sign 775.299+/-366.823 χ^2/NDF: 44.6/33

All: 312.805+/-262.711 χ^2/NDF: 77.1/68

- sign -174.213+/-376.422 χ^2/NDF: 29.3/34

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1718.049+/-0.323 χ^2/NDF:135707.4/17

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

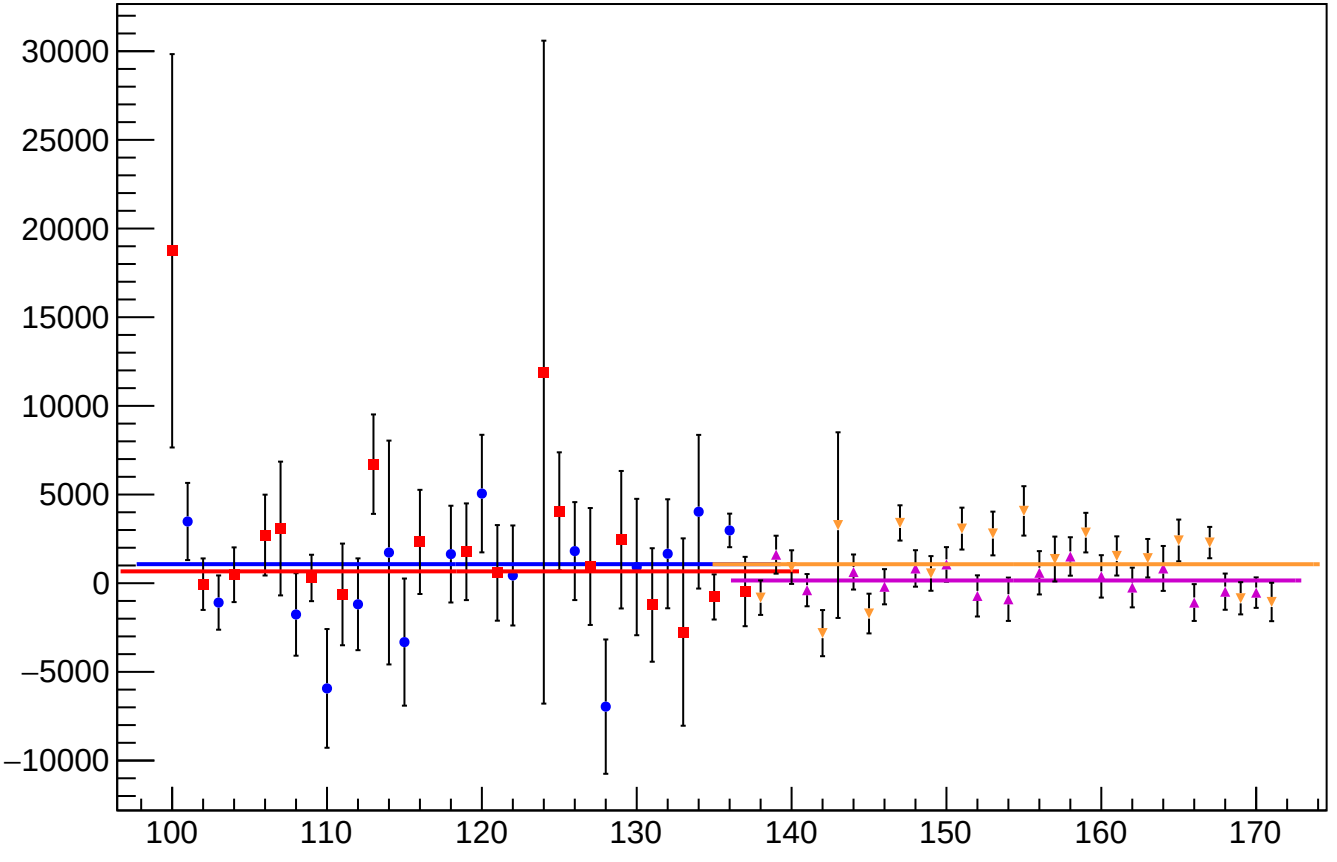
Left In: 1749.868+/-0.341 χ^2/NDF:58415.5/15

+ sign 1689.626+/-0.259 χ^2/NDF: 519114.6/33

All: 1692.435+/-0.186 χ^2/NDF: 924209.6/68

- sign 1695.393+/-0.266 χ^2/NDF: 404854.2/34

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1070.600+/-260.780 χ^2/NDF:48.8/17

Right Out: 667.777+/-523.477 χ^2/NDF: 13.6/18

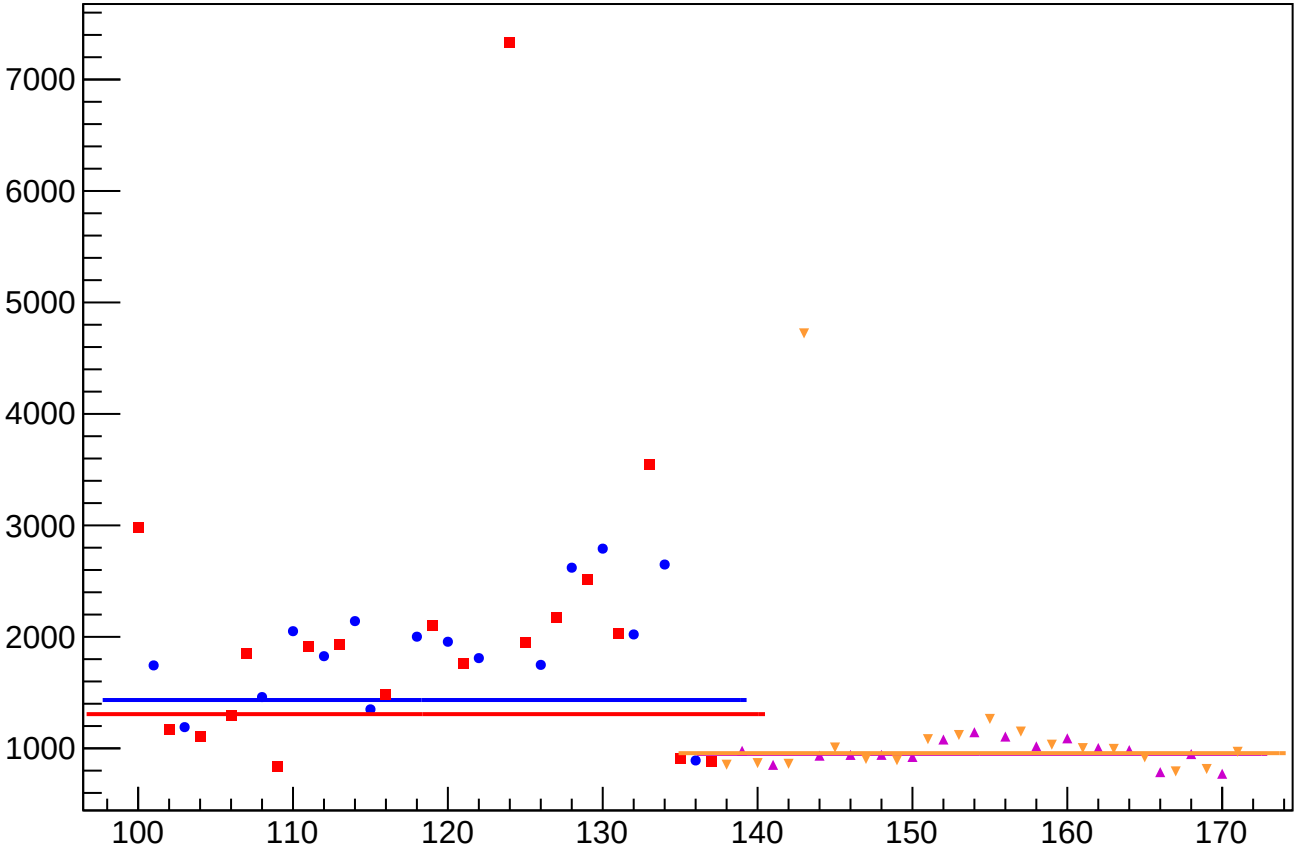
Left In: 154.158+/-263.400 χ^2/NDF:9.8/15

\+ sign 1071.117+/-237.255 χ^2/NDF: 70.8/33

All: 661.144+/-167.067 χ^2/NDF: 100.8/68

\- sign 257.926+/-235.293 χ^2/NDF: 24.1/34

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 956.694+/-0.184 χ^2/NDF:1440639.2/17

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

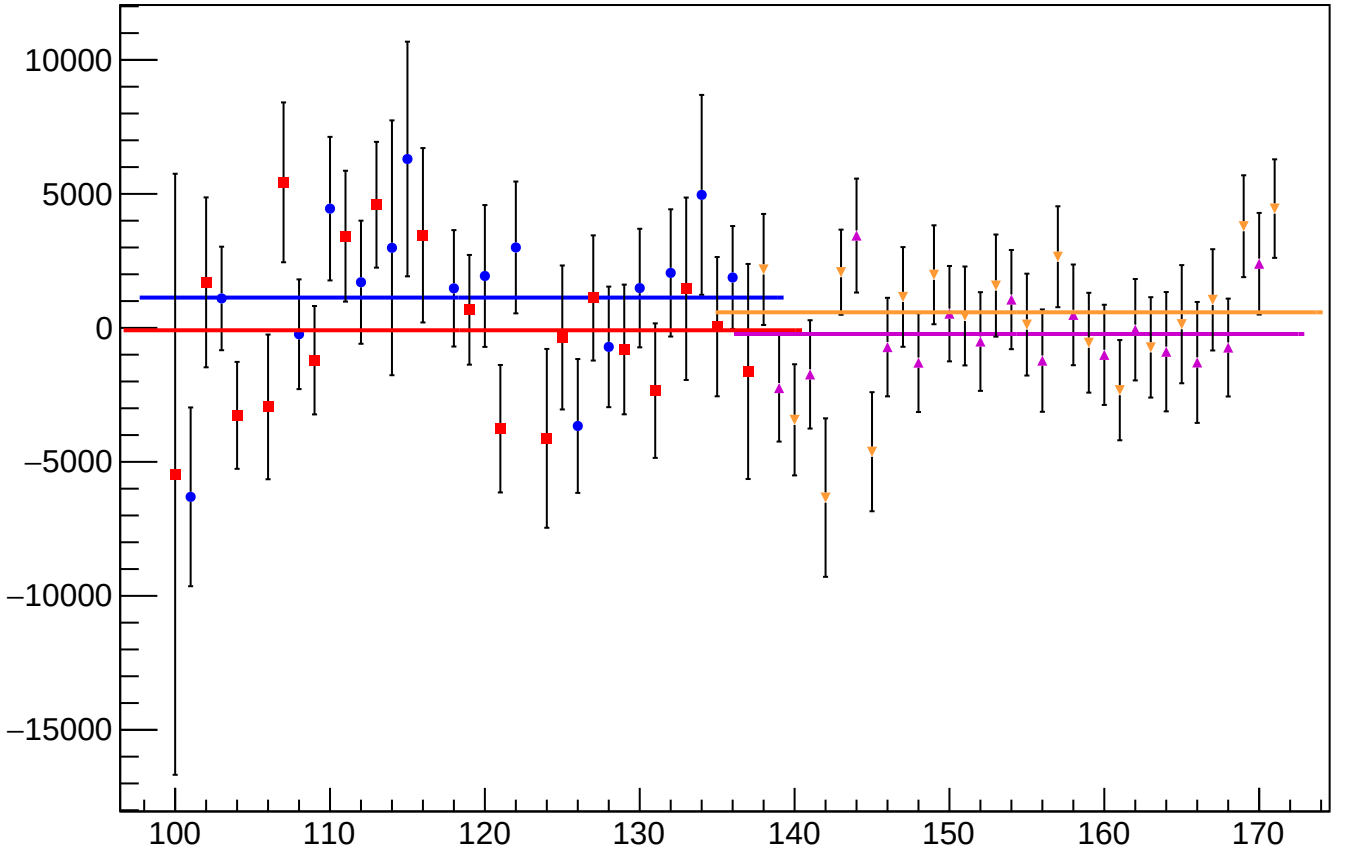
Left In: 950.086+/-0.186 χ^2/NDF:311373.1/15

+ sign 1038.834+/-0.168 χ^2/NDF: 4355878.2/33

All: 1030.431+/-0.118 χ^2/NDF: 7597480.9/68

- sign 1022.167+/-0.166 χ^2/NDF: 3236627.0/34

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 581.211+/-456.108 χ^2/NDF:29.1/17

Right Out: -89.225+/-603.072 χ^2/NDF: 20.7/18

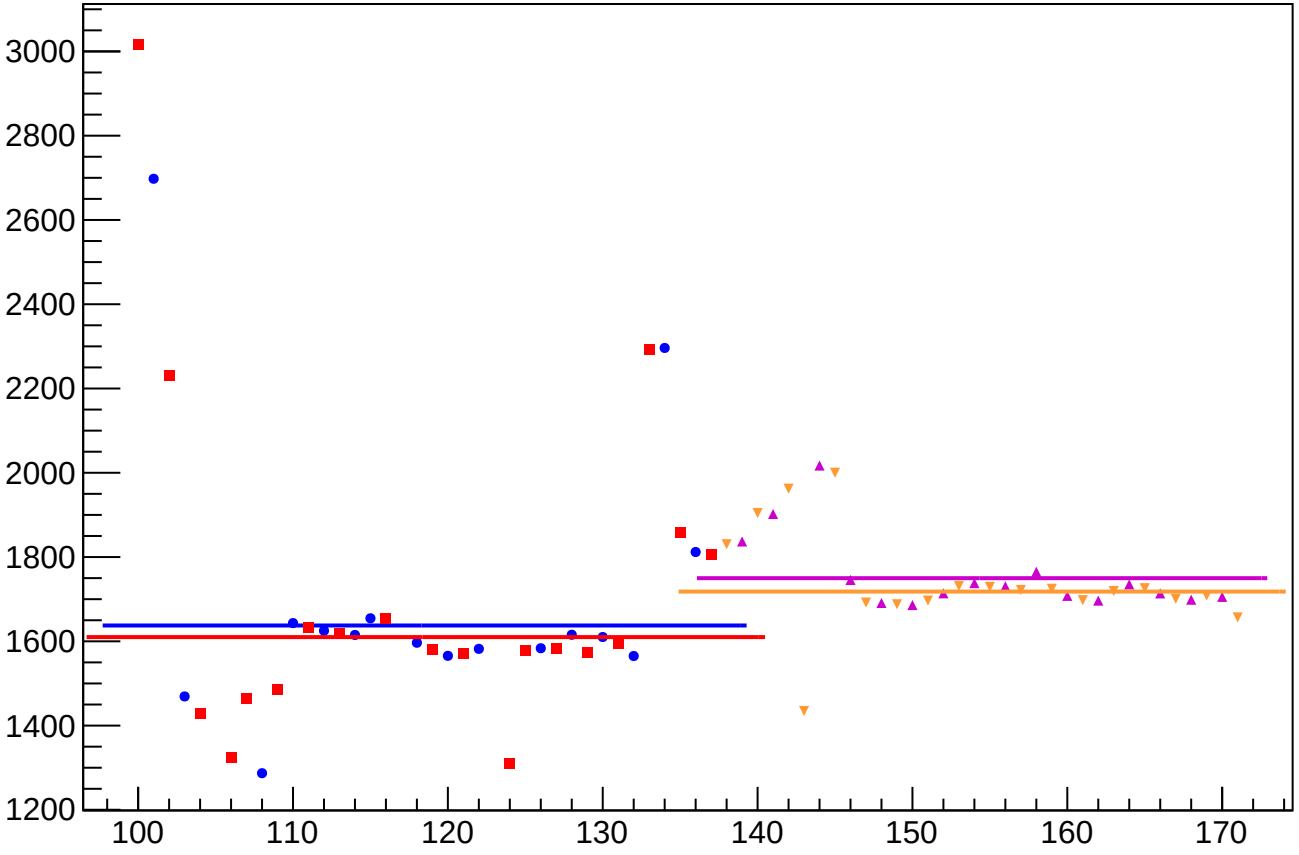
Left In: -228.461+/-481.799 χ^2/NDF:8.5/15

+ sign 775.295+/-366.823 χ^2/NDF: 44.6/33

All: 312.802+/-262.711 χ^2/NDF: 77.1/68

- sign -174.216+/-376.422 χ^2/NDF: 29.3/34

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1718.049+/-0.323 χ^2/NDF:135706.6/17

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

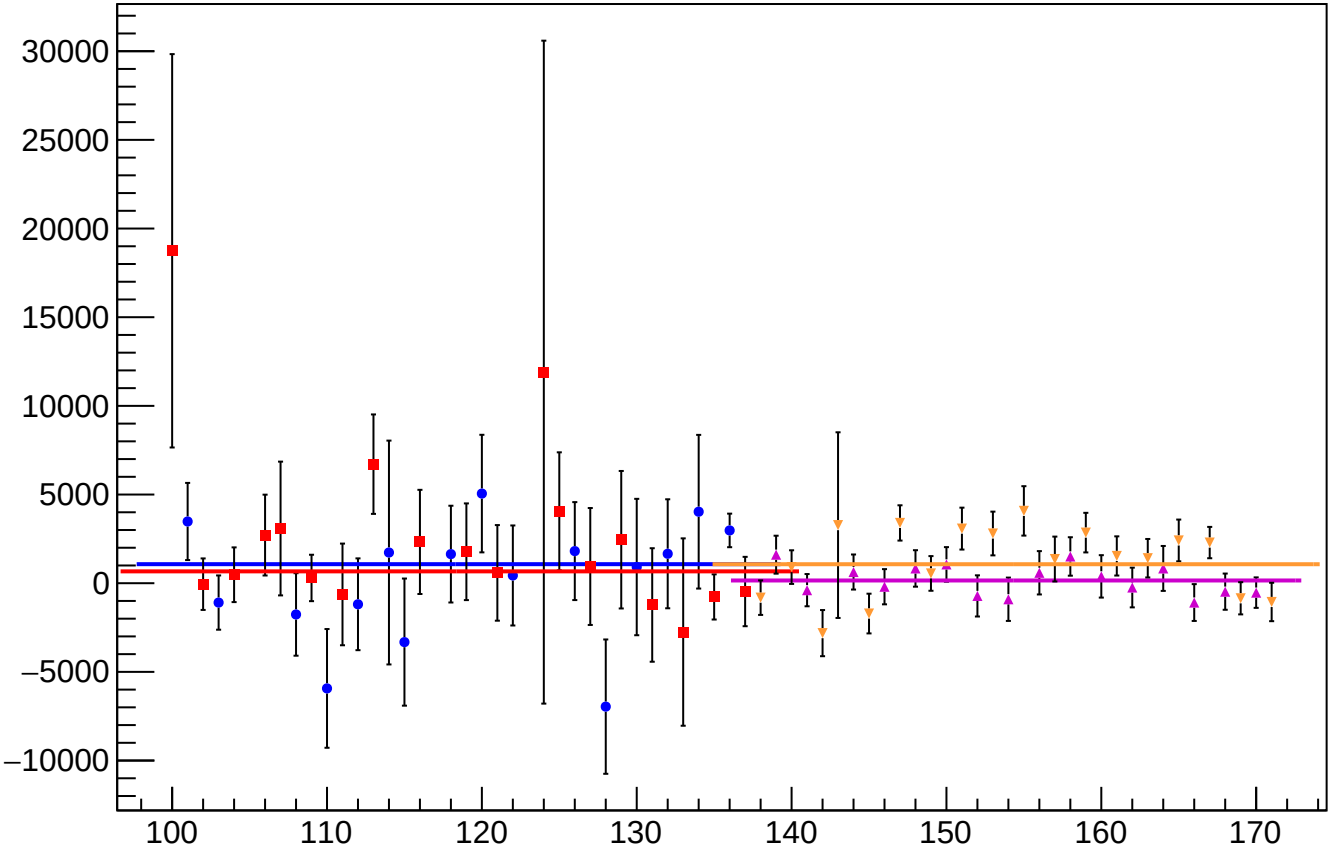
Left In: 1749.868+/-0.341 χ^2/NDF:58415.6/15

+ sign 1689.626+/-0.259 χ^2/NDF: 519113.7/33

All: 1692.435+/-0.186 χ^2/NDF: 924209.1/68

- sign 1695.393+/-0.266 χ^2/NDF: 404854.7/34

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1070.606+/-260.780 χ^2/NDF:48.8/17

Right Out: 667.789+/-523.481 χ^2/NDF: 13.6/18

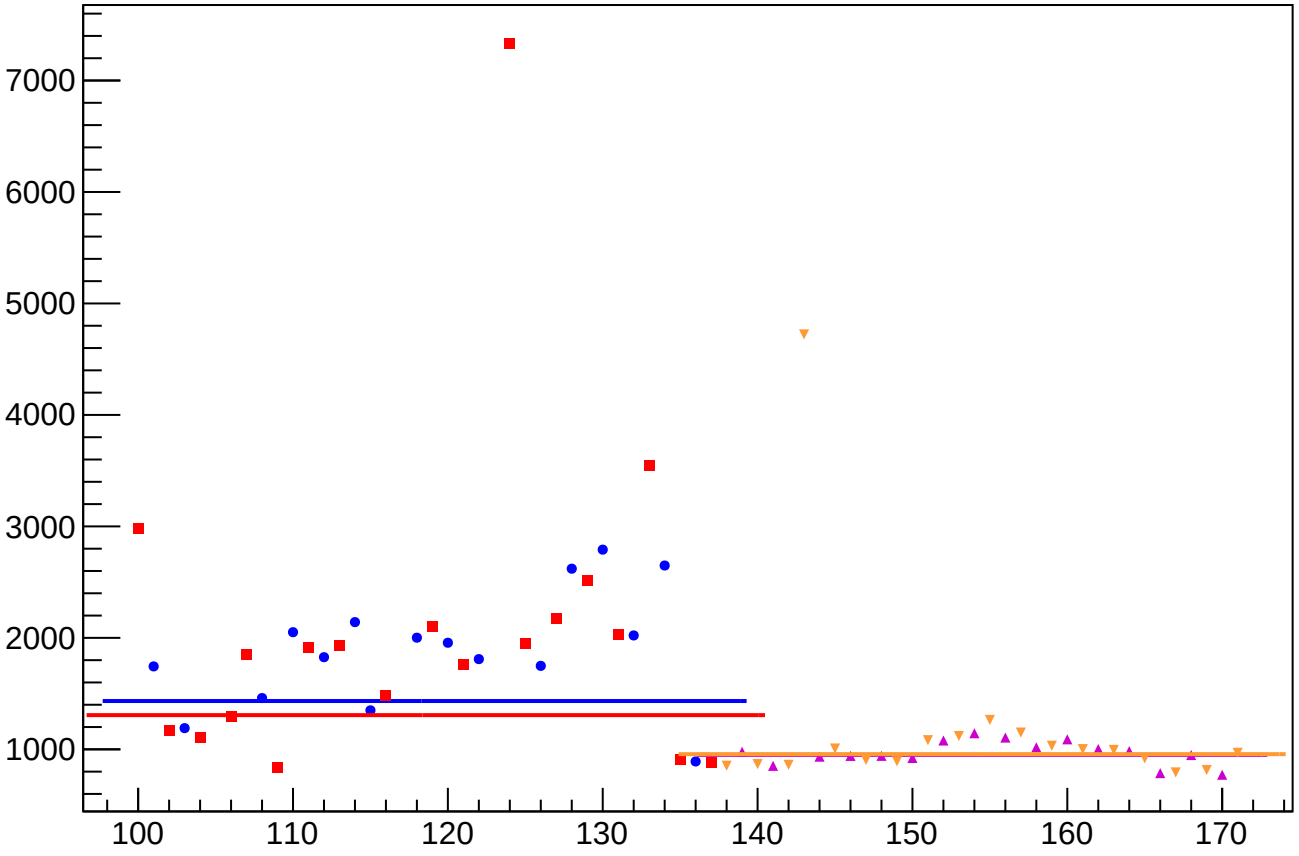
Left In: 154.154+/-263.400 χ^2/NDF:9.8/15

+ sign 1071.120+/-237.256 χ^2/NDF: 70.8/33

All: 661.144+/-167.067 χ^2/NDF: 100.8/68

- sign 257.924+/-235.293 χ^2/NDF: 24.1/34

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 956.695+/-0.184 χ^2/NDF:1440623.4/17

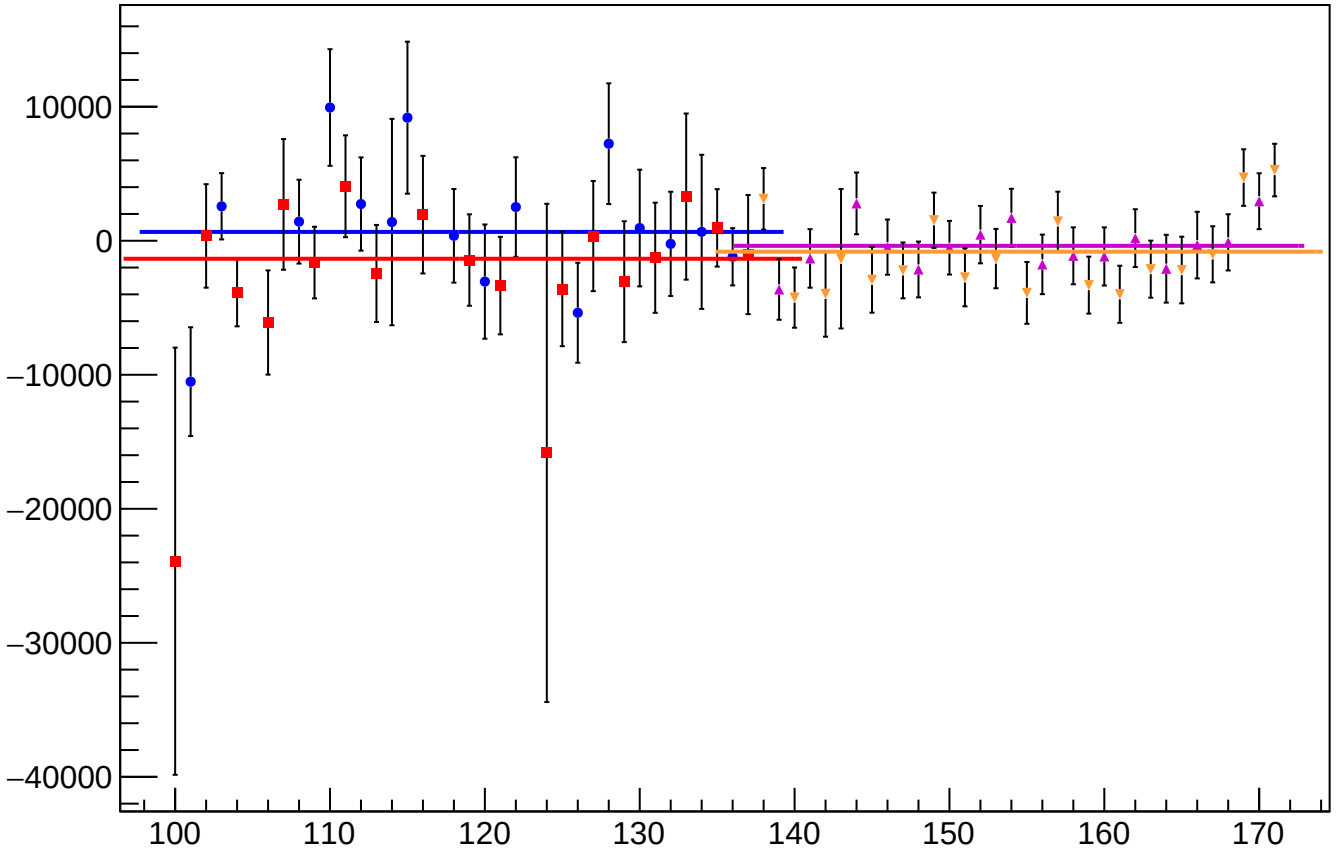
Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 950.086+/-0.186 χ^2/NDF:311376.1/15

+ sign 1038.837+/-0.168 χ^2/NDF: 4355822.1/33

All: 1030.434+/-0.118 χ^2/NDF: 7597404.7/68

- sign 1022.169+/-0.166 χ^2/NDF: 3236606.1/34



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -815.721+/-534.529 χ^2/NDF:33.2/17

Right Out: -1341.998+/-890.576 χ^2/NDF: 10.8/18

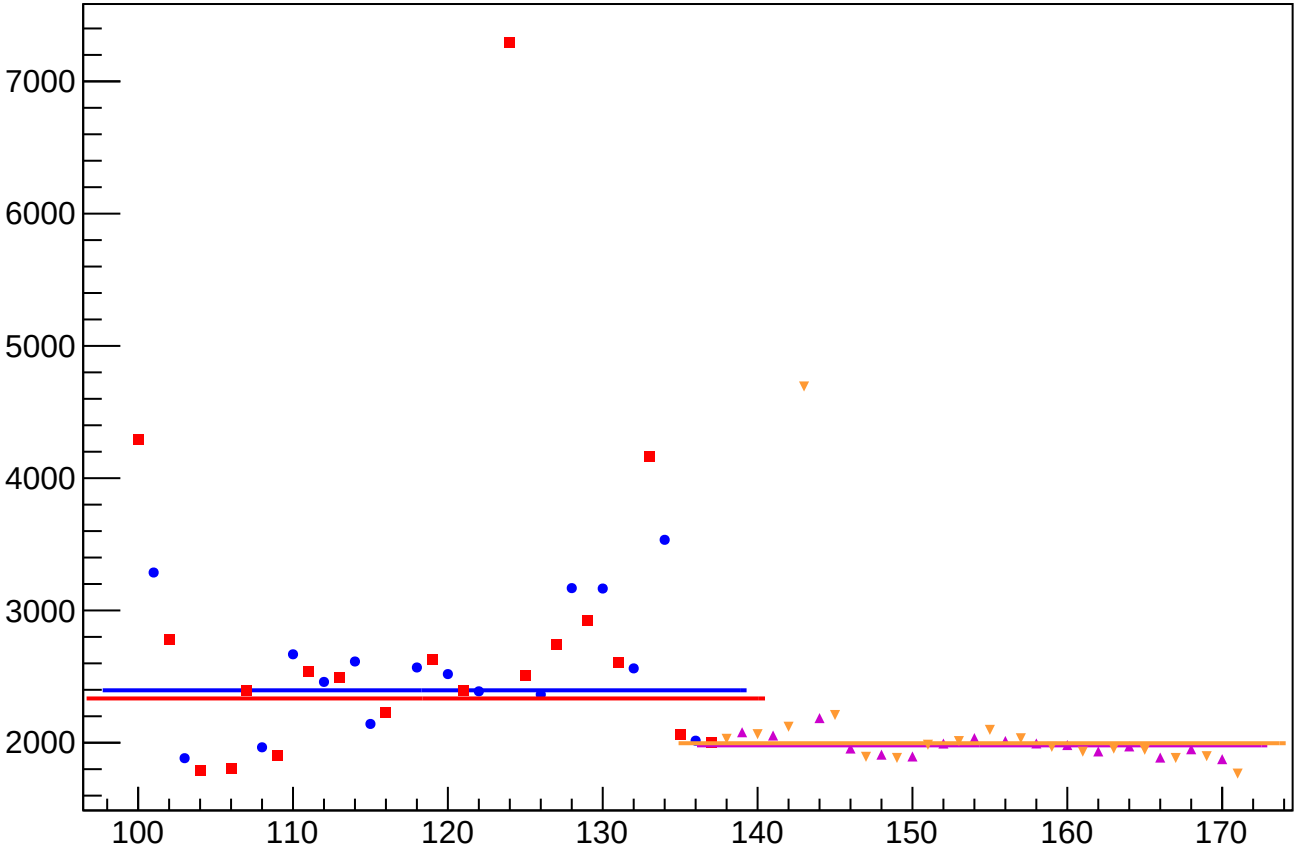
Left In: -378.439+/-545.001 χ^2/NDF:9.7/15

+ sign -437.037+/-460.842 χ^2/NDF: 57.1/33

All: -538.119+/-327.277 χ^2/NDF: 78.6/68

- sign -640.974+/-464.863 χ^2/NDF: 21.4/34

asym_at2_dd_rms vs Slug



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1996.148+/-0.378 χ^2/NDF:614664.0/17

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

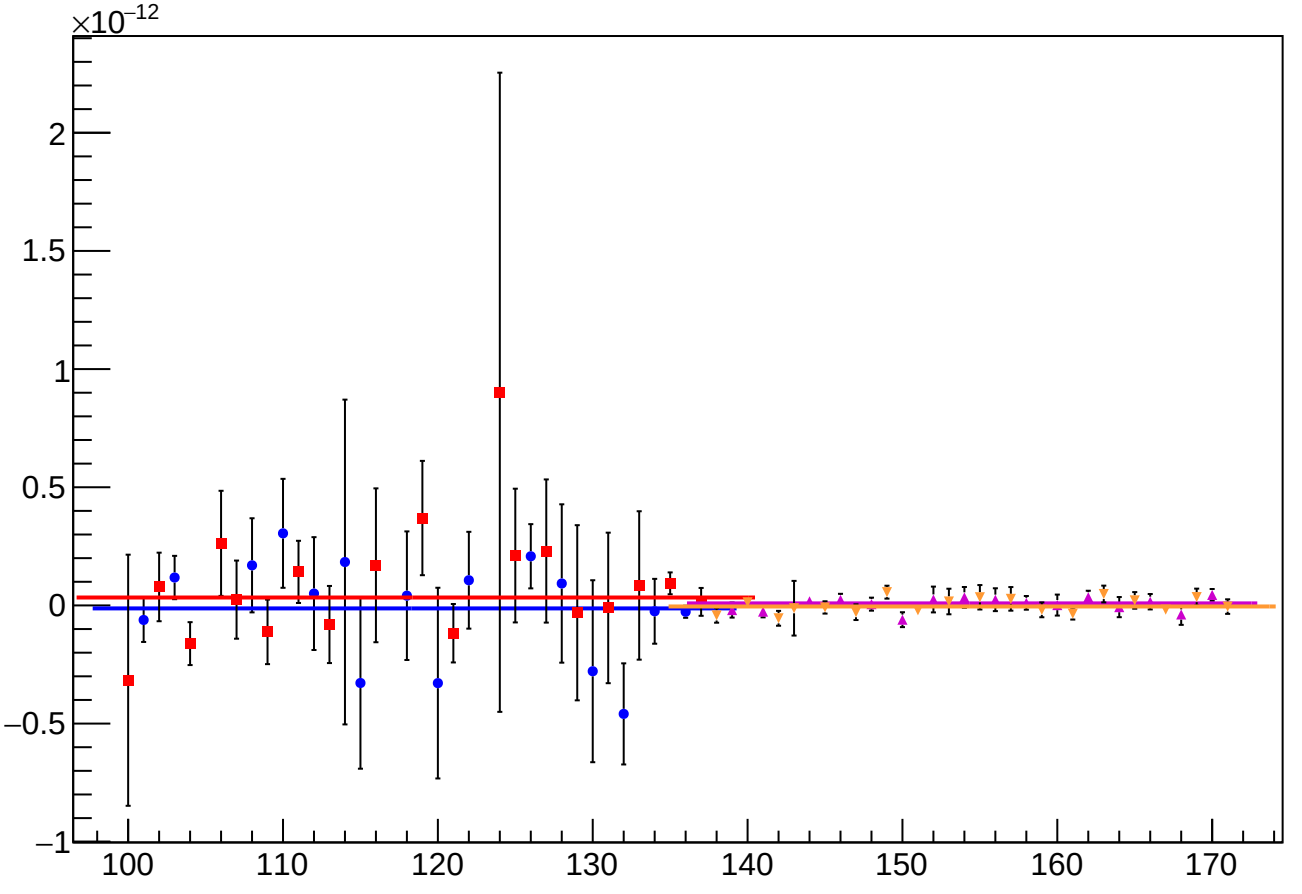
Left In: 1979.973+/-0.385 χ^2/NDF:39219.7/15

+ sign 2098.862+/-0.326 χ^2/NDF: 1410246.9/33

All: 2087.825+/-0.231 χ^2/NDF: 2364063.2/68

- sign 2076.595+/-0.329 χ^2/NDF: 951501.8/34

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:18.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

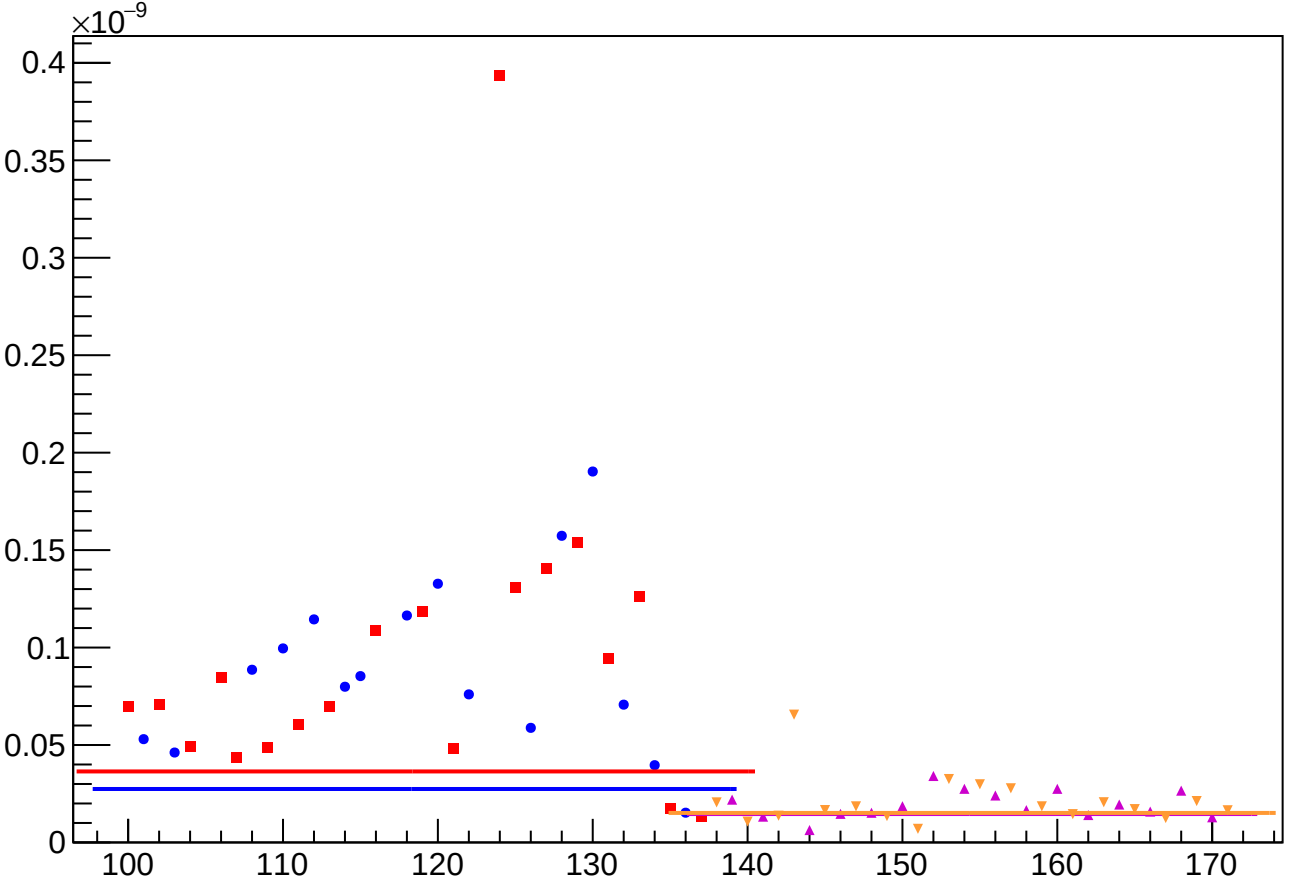
Left In: 0.000+/-0.000 χ^2/NDF:13.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/33

All: 0.000+/-0.000 χ^2/NDF: 64.9/68

- sign 0.000+/-0.000 χ^2/NDF: 29.2/34

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:1642585.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

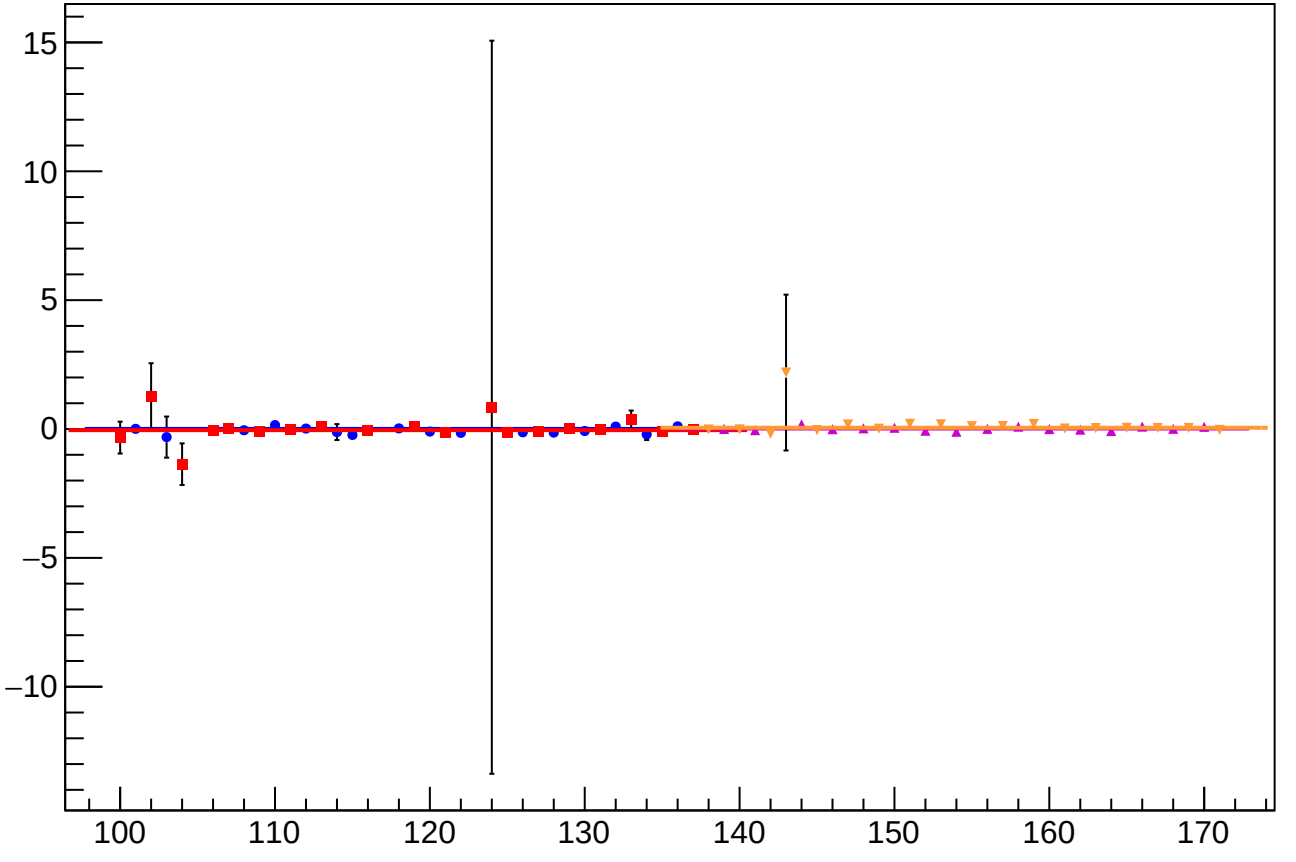
Left In: 0.000+/-0.000 χ^2/NDF:1729553.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 4929303.5/33

All: 0.000+/-0.000 χ^2/NDF: 10249352.3/68

- sign 0.000+/-0.000 χ^2/NDF: 5317634.5/34

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.8/17

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

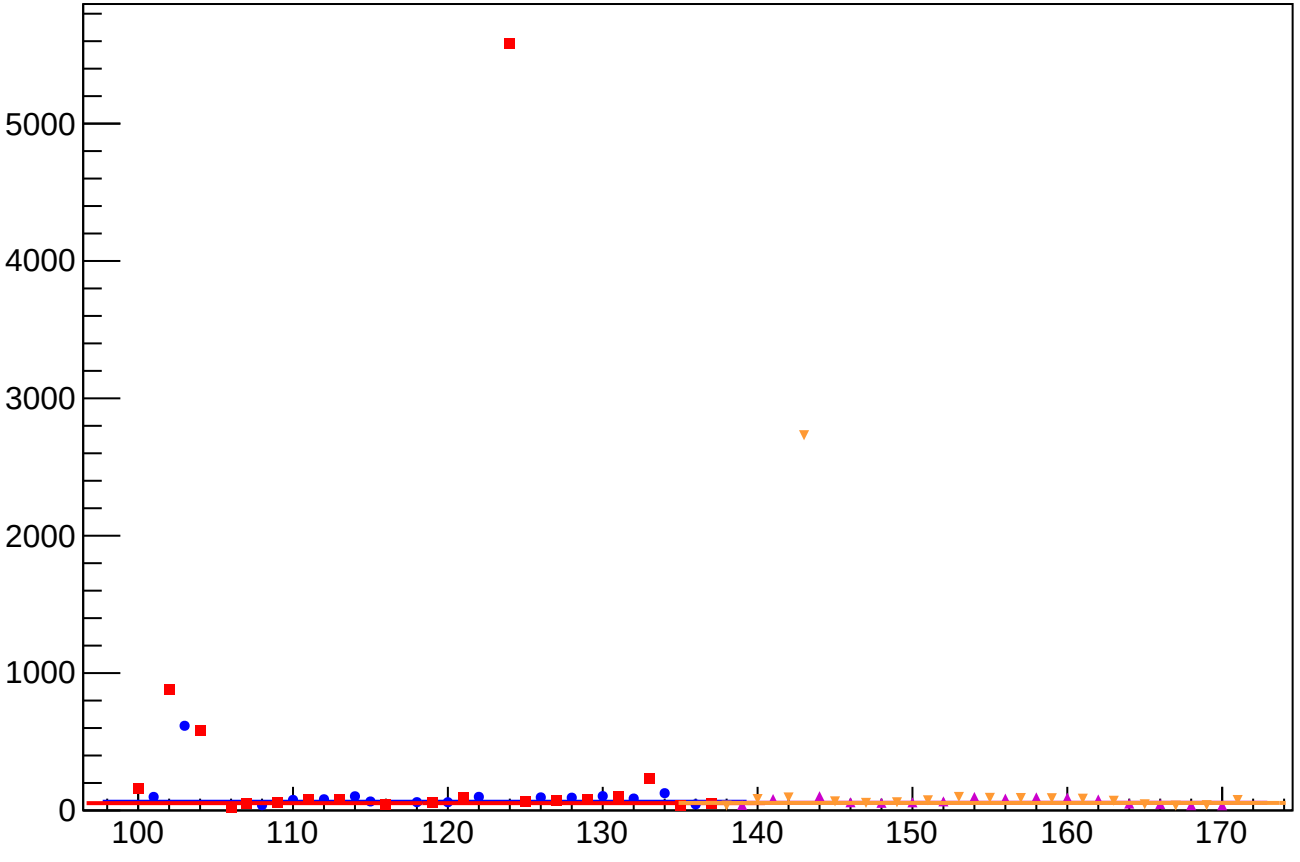
Left In: 0.019+/-0.017 χ^2/NDF:11.8/15

+ sign 0.036+/-0.014 χ^2/NDF: 35.1/33

All: 0.017+/-0.010 χ^2/NDF: 67.2/68

- sign -0.001+/-0.014 χ^2/NDF: 28.8/34

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.847+/-0.012 χ^2/NDF:4547365.6/17

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

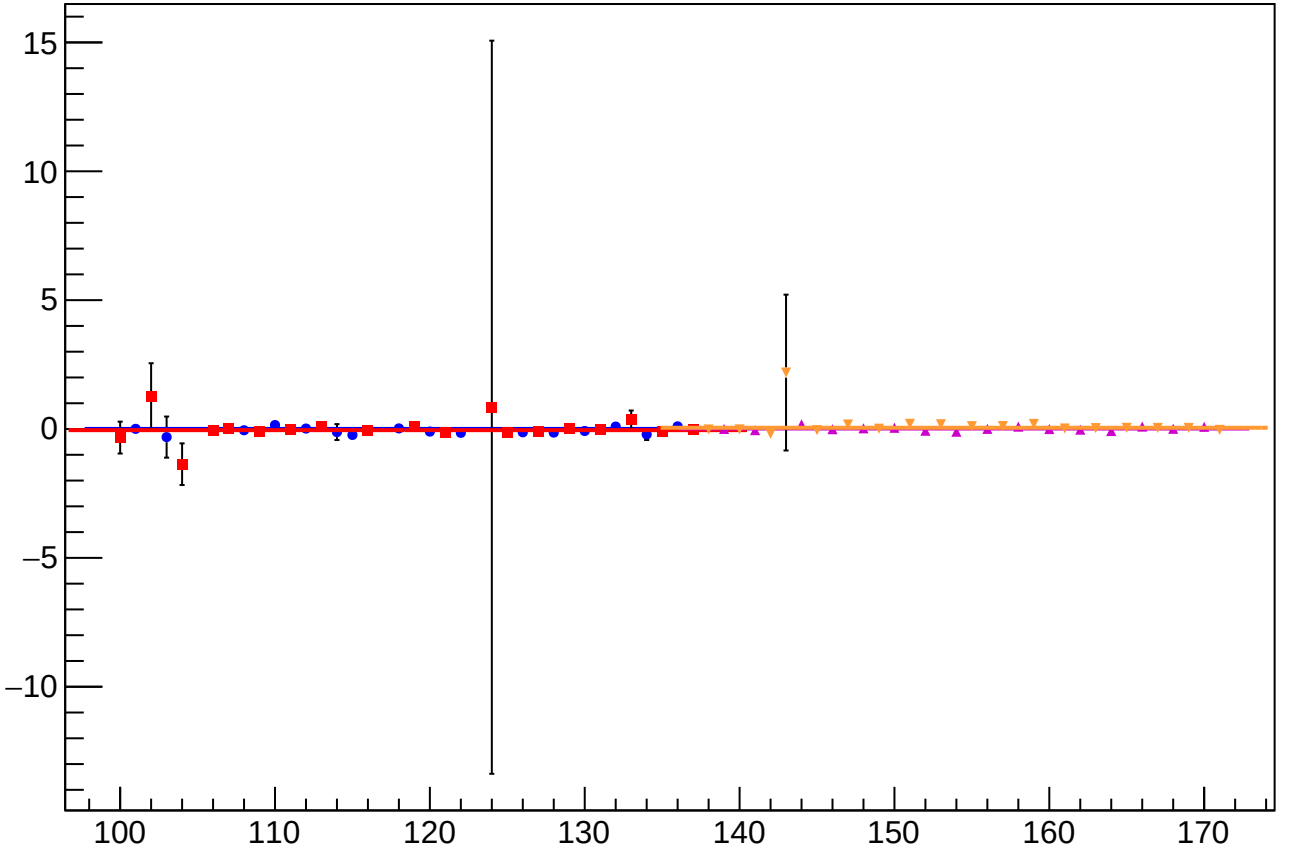
Left In: 55.974+/-0.012 χ^2/NDF:2652111.3/15

+ sign 57.280+/-0.010 χ^2/NDF: 7136141.4/33

All: 56.153+/-0.007 χ^2/NDF: 13774526.4/68

- sign 55.078+/-0.010 χ^2/NDF: 6614685.7/34

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: 0.049+/-0.017 χ^2/NDF:19.8/17

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

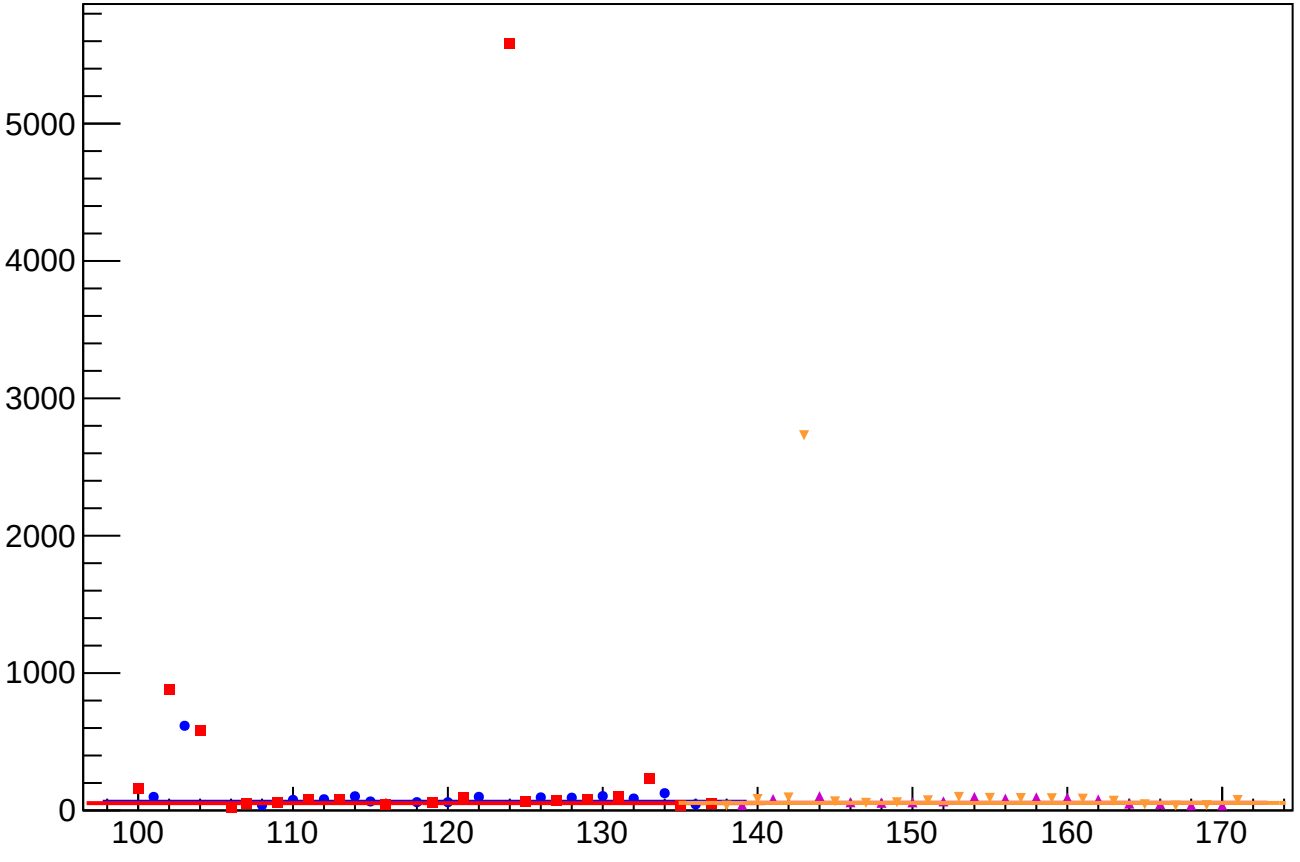
Left In: 0.019+/-0.017 χ^2/NDF:11.8/15

+ sign 0.036+/-0.014 χ^2/NDF: 35.1/33

All: 0.017+/-0.010 χ^2/NDF: 67.2/68

- sign -0.001+/-0.014 χ^2/NDF: 28.8/34

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: 54.847+/-0.012 χ^2/NDF:4547365.6/17

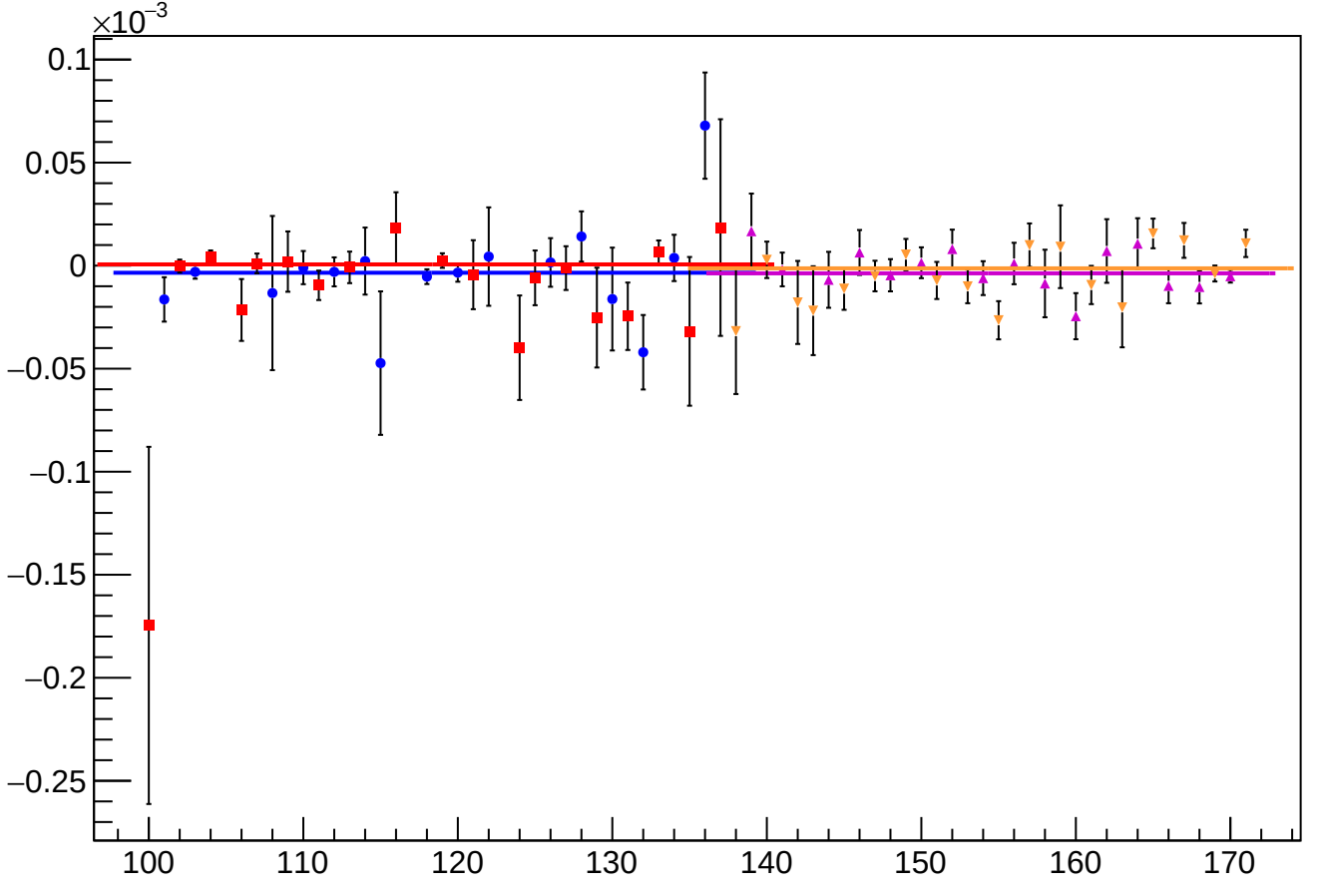
Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 55.974+/-0.012 χ^2/NDF:2652111.3/15

+ sign 57.280+/-0.010 χ^2/NDF: 7136141.4/33

All: 56.153+/-0.007 χ^2/NDF: 13774526.4/68

- sign 55.078+/-0.010 χ^2/NDF: 6614685.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/17

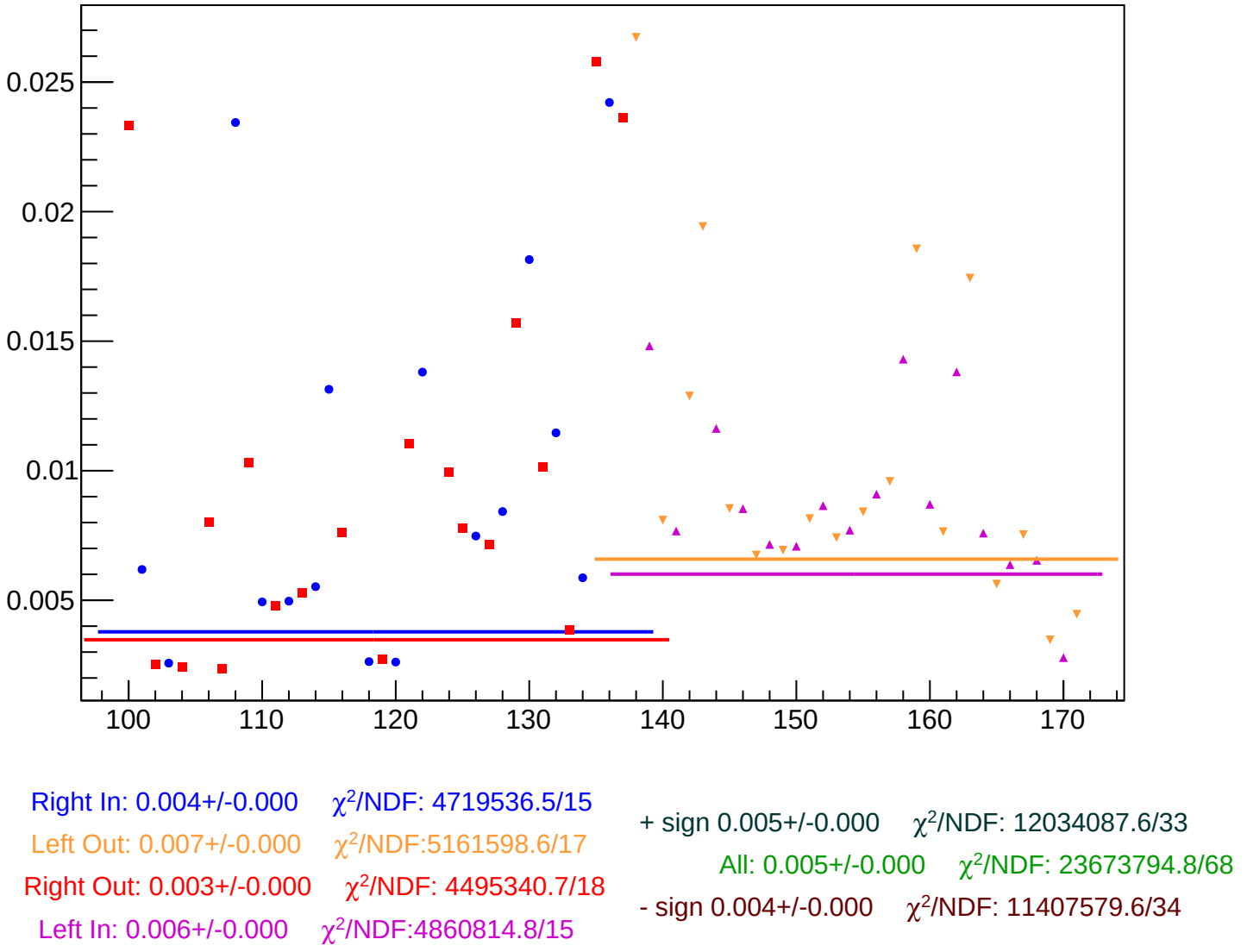
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/15

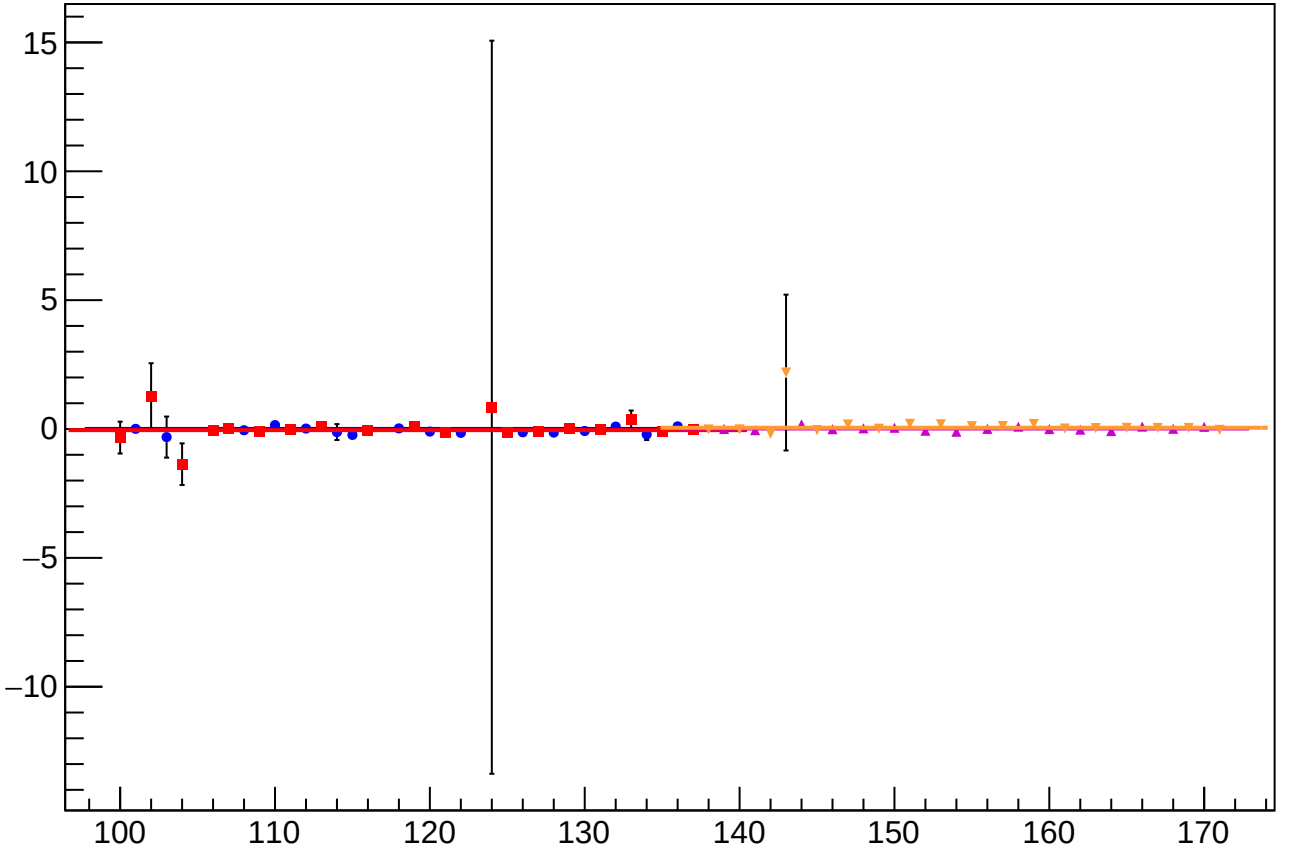
+ sign -0.000+/-0.000 χ^2/NDF: 48.2/33

All: -0.000+/-0.000 χ^2/NDF: 82.4/68

- sign -0.000+/-0.000 χ^2/NDF: 33.5/34


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 4719536.5/15
Left Out: 0.007+/-0.000 χ²/NDF:5161598.6/17
Right Out: 0.003+/-0.000 χ²/NDF: 4495340.7/18
Left In: 0.006+/-0.000 χ²/NDF:4860814.8/15
+ sign 0.005+/-0.000 χ²/NDF: 12034087.6/33
All: 0.005+/-0.000 χ²/NDF: 23673794.8/68
- sign 0.004+/-0.000 χ²/NDF: 11407579.6/34

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: 0.049+/-0.017 χ^2/NDF:19.8/17

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

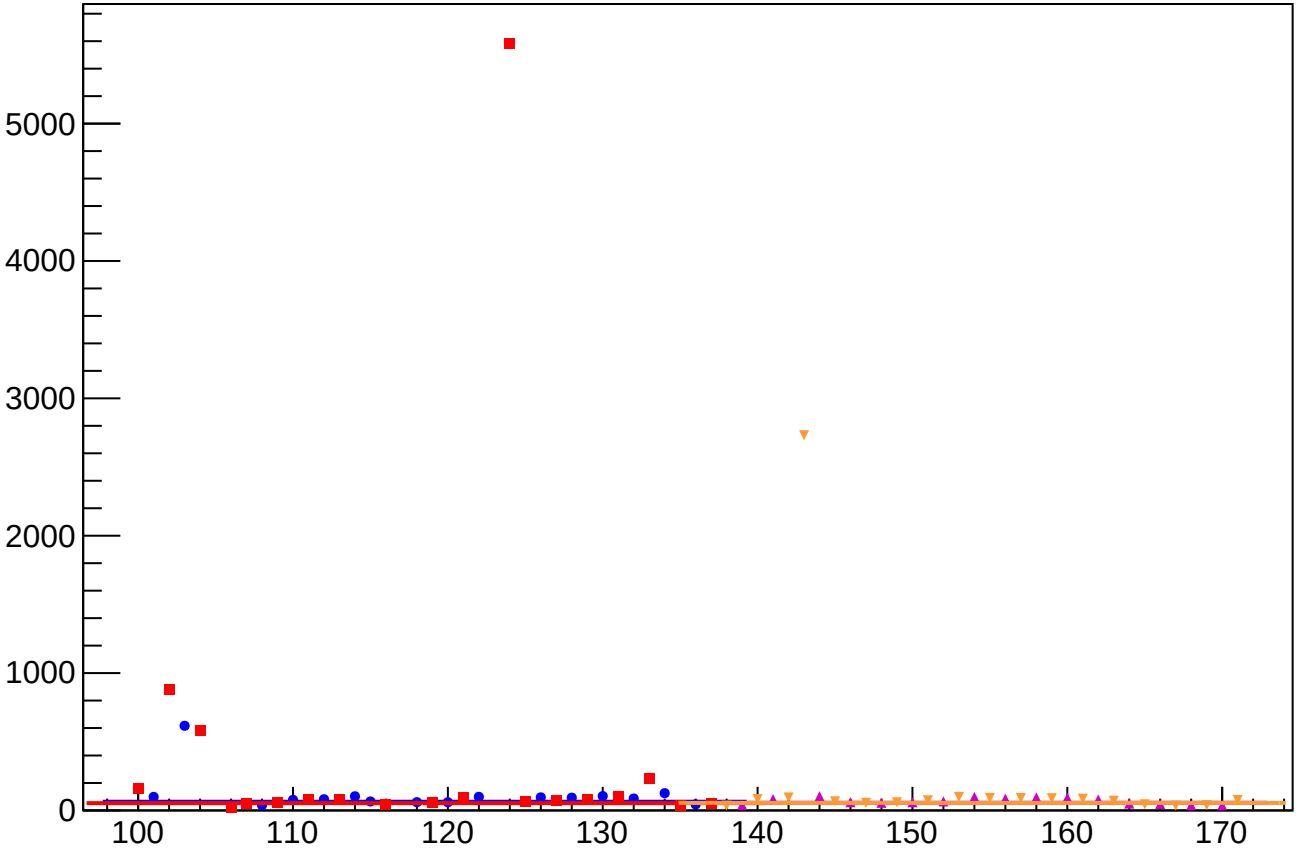
Left In: 0.019+/-0.017 χ^2/NDF:11.8/15

+ sign 0.036+/-0.014 χ^2/NDF: 35.1/33

All: 0.017+/-0.010 χ^2/NDF: 67.2/68

- sign -0.001+/-0.014 χ^2/NDF: 28.8/34

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: 54.846+/-0.012 χ^2/NDF:4547082.9/17

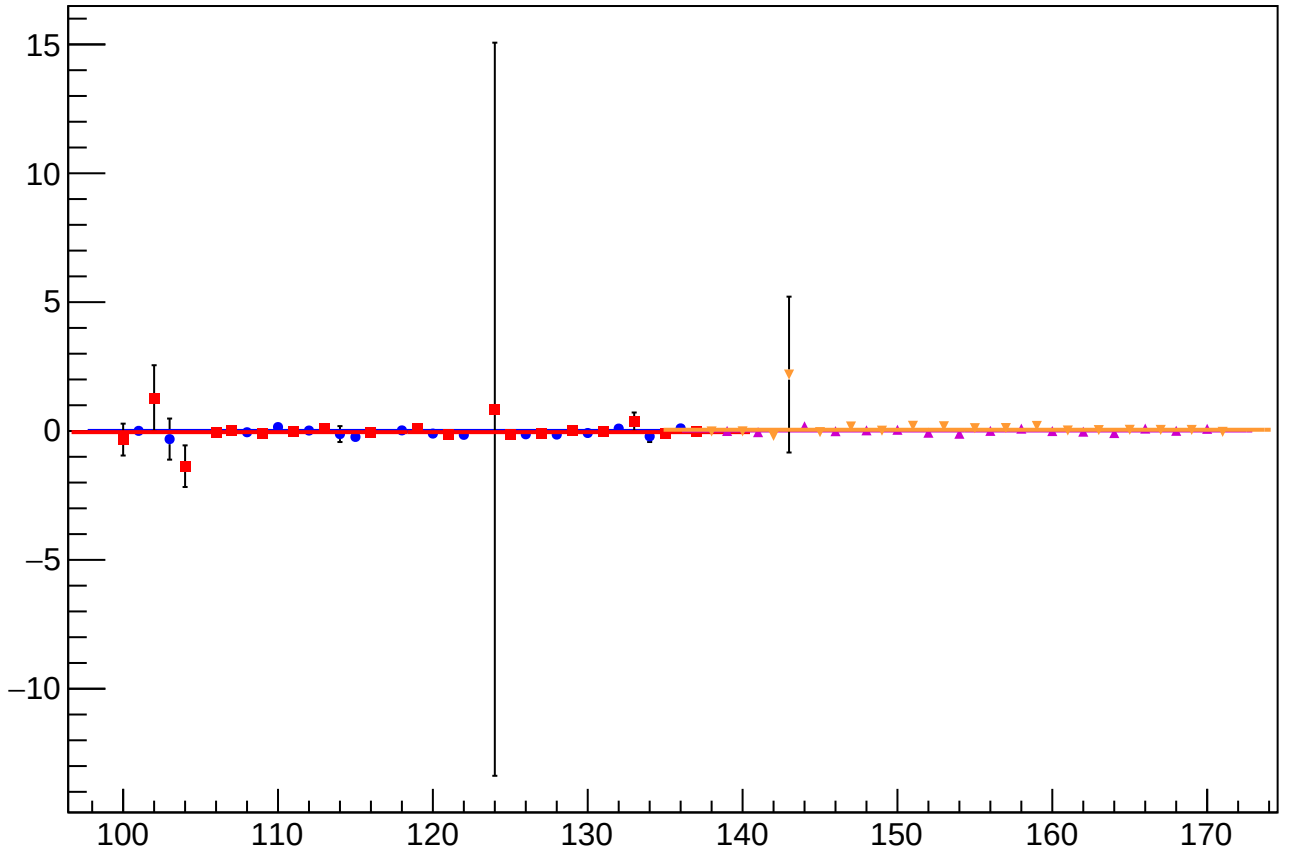
Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 55.977+/-0.012 χ^2/NDF:2651697.5/15

+ sign 57.281+/-0.010 χ^2/NDF: 7135275.8/33

All: 56.154+/-0.007 χ^2/NDF: 13773920.6/68

- sign 55.078+/-0.010 χ^2/NDF: 6614911.7/34



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.8/17

Right Out: -0.044+/-0.025 χ^2/NDF: 12.7/18

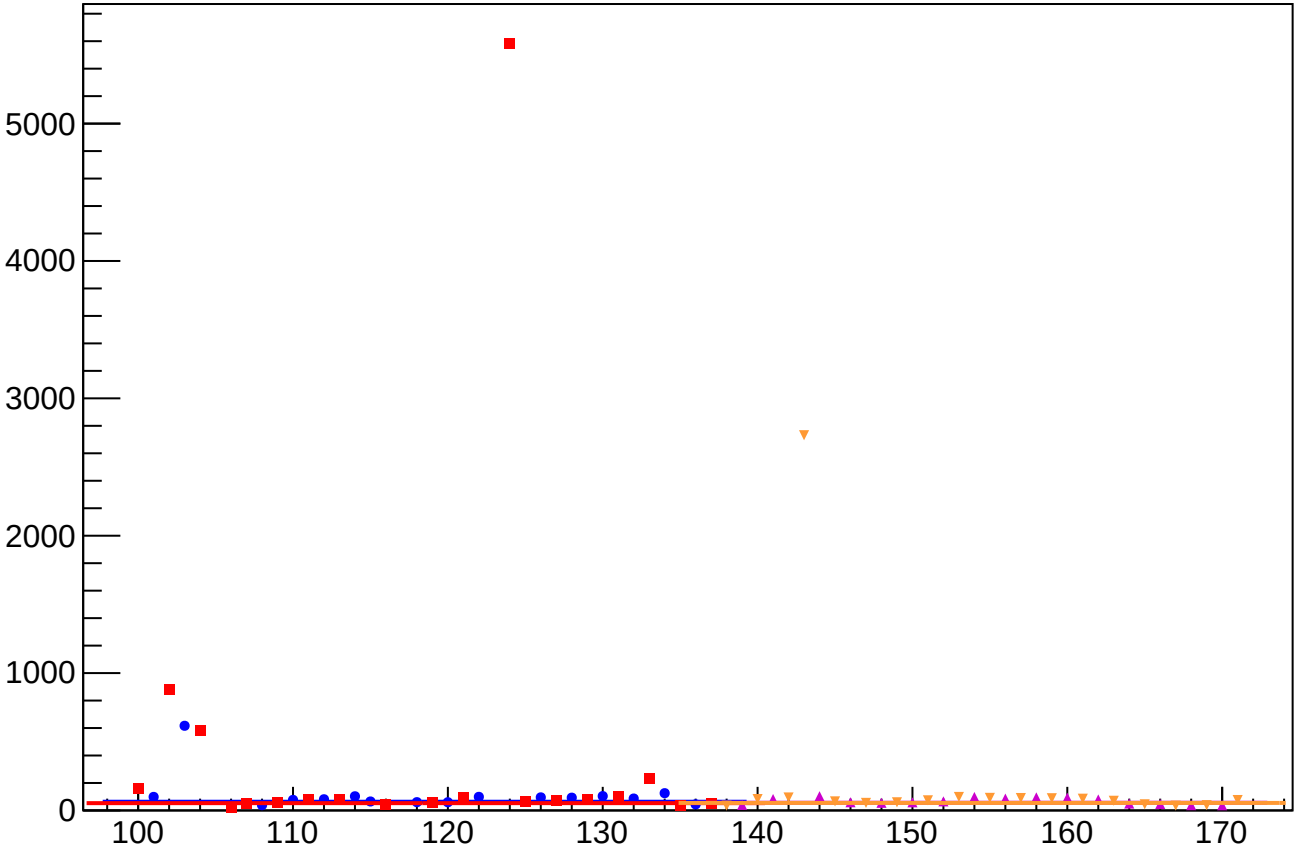
Left In: 0.019+/-0.017 χ^2/NDF:11.8/15

+ sign 0.036+/-0.014 χ^2/NDF: 35.1/33

All: 0.017+/-0.010 χ^2/NDF: 67.2/68

- sign -0.001+/-0.014 χ^2/NDF: 28.8/34

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 54.846+/-0.012 χ^2/NDF:4547082.9/17

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

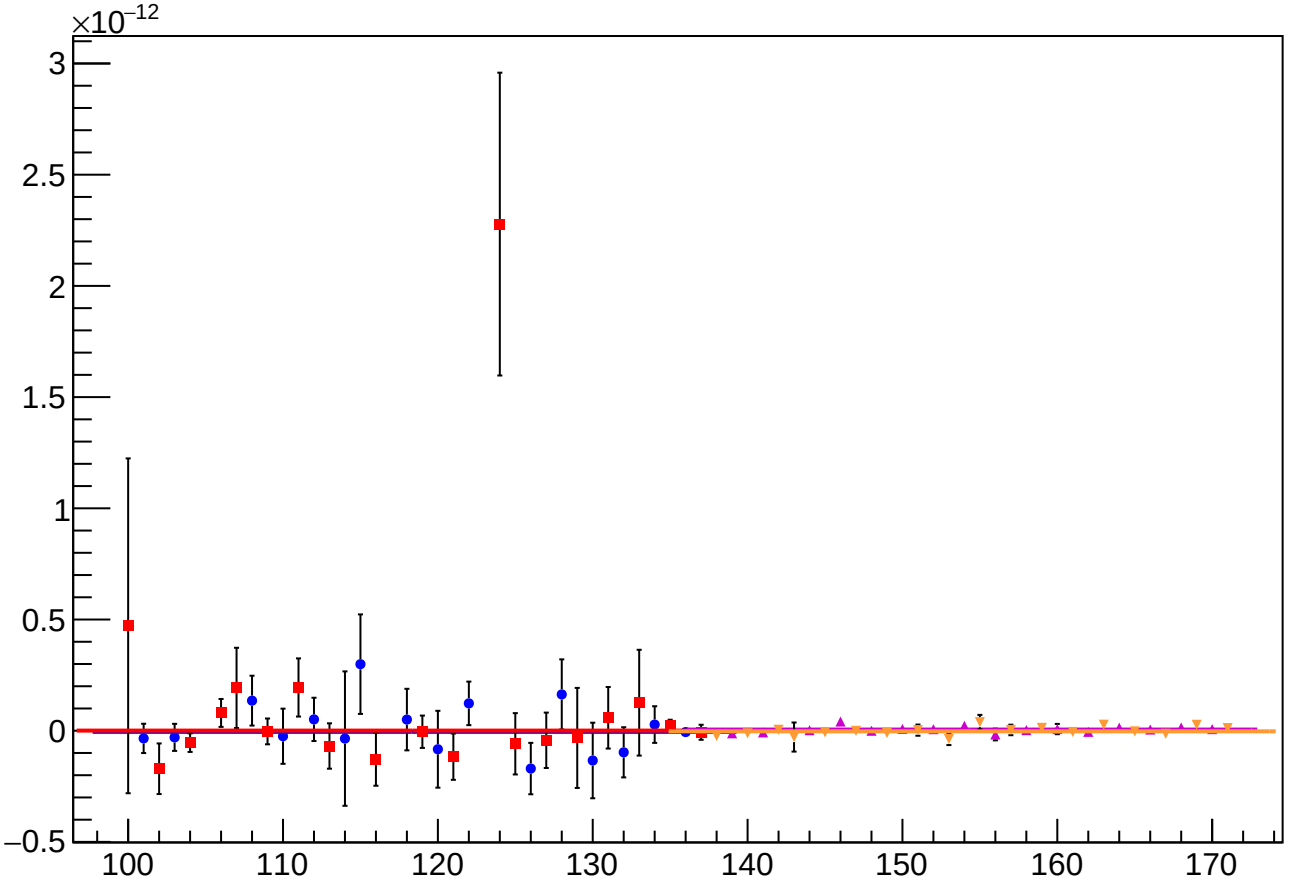
Left In: 55.977+/-0.012 χ^2/NDF:2651697.5/15

+ sign 57.281+/-0.010 χ^2/NDF: 7135275.8/33

All: 56.154+/-0.007 χ^2/NDF: 13773920.6/68

- sign 55.078+/-0.010 χ^2/NDF: 6614911.7/34

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:13.5/17

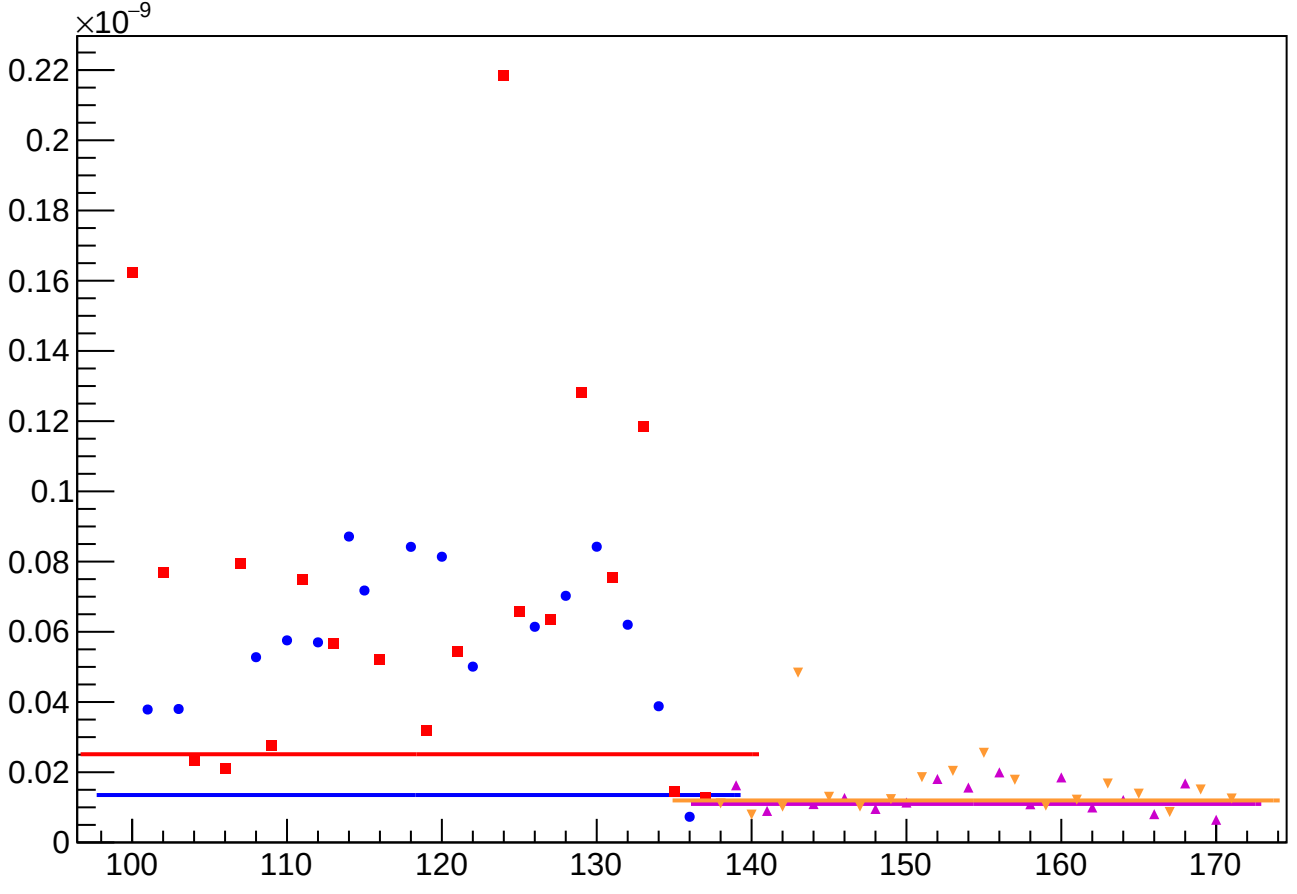
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 24.3/33

All: 0.000+/-0.000 χ^2/NDF: 61.1/68

- sign 0.000+/-0.000 χ^2/NDF: 34.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2135092.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

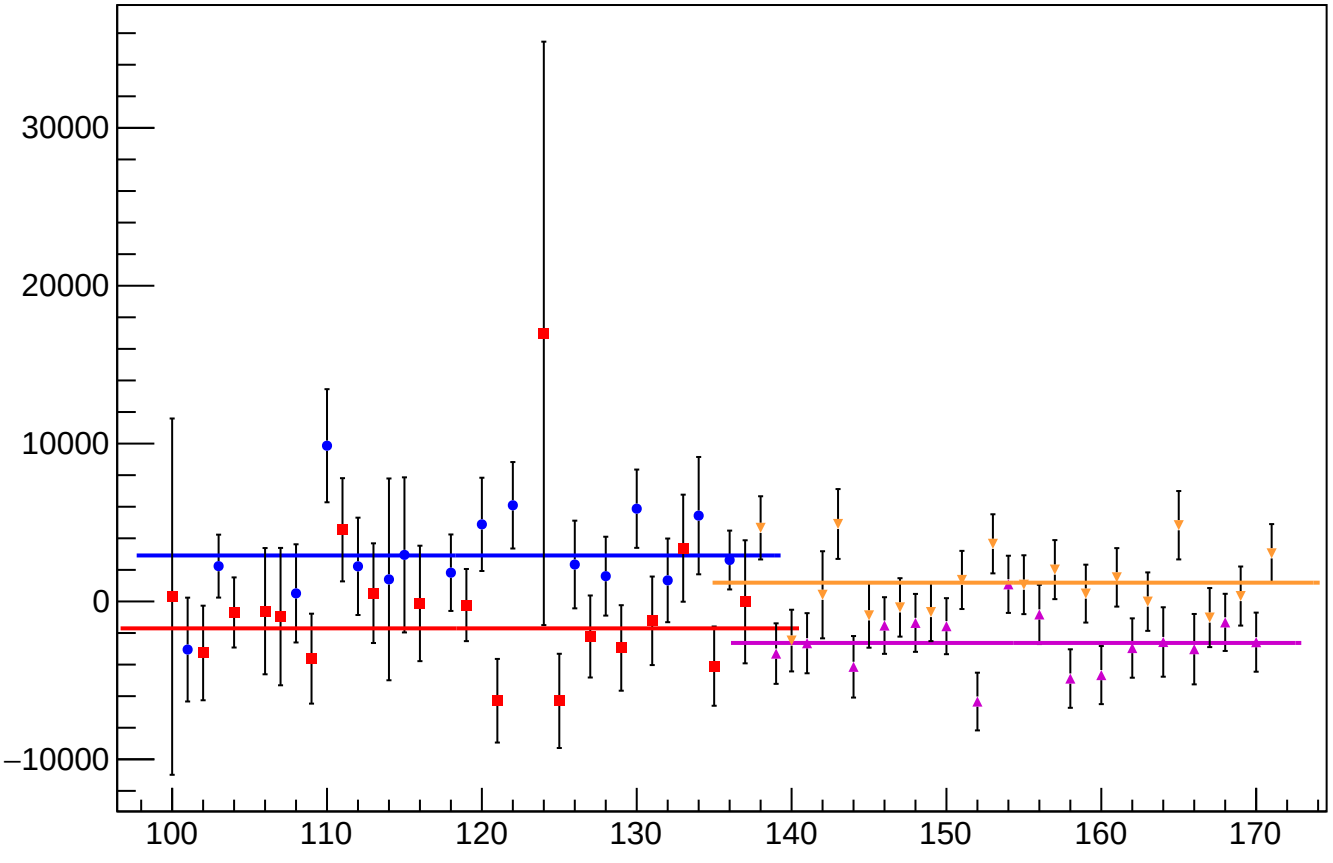
Left In: 0.000+/-0.000 χ^2/NDF:1614599.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 7167641.0/33

All: 0.000+/-0.000 χ^2/NDF: 14025103.2/68

- sign 0.000+/-0.000 χ^2/NDF: 6850880.3/34

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.430+/-457.276 χ^2/NDF:20.2/17

Right Out: -1704.904+/-706.846 χ^2/NDF: 15.8/18

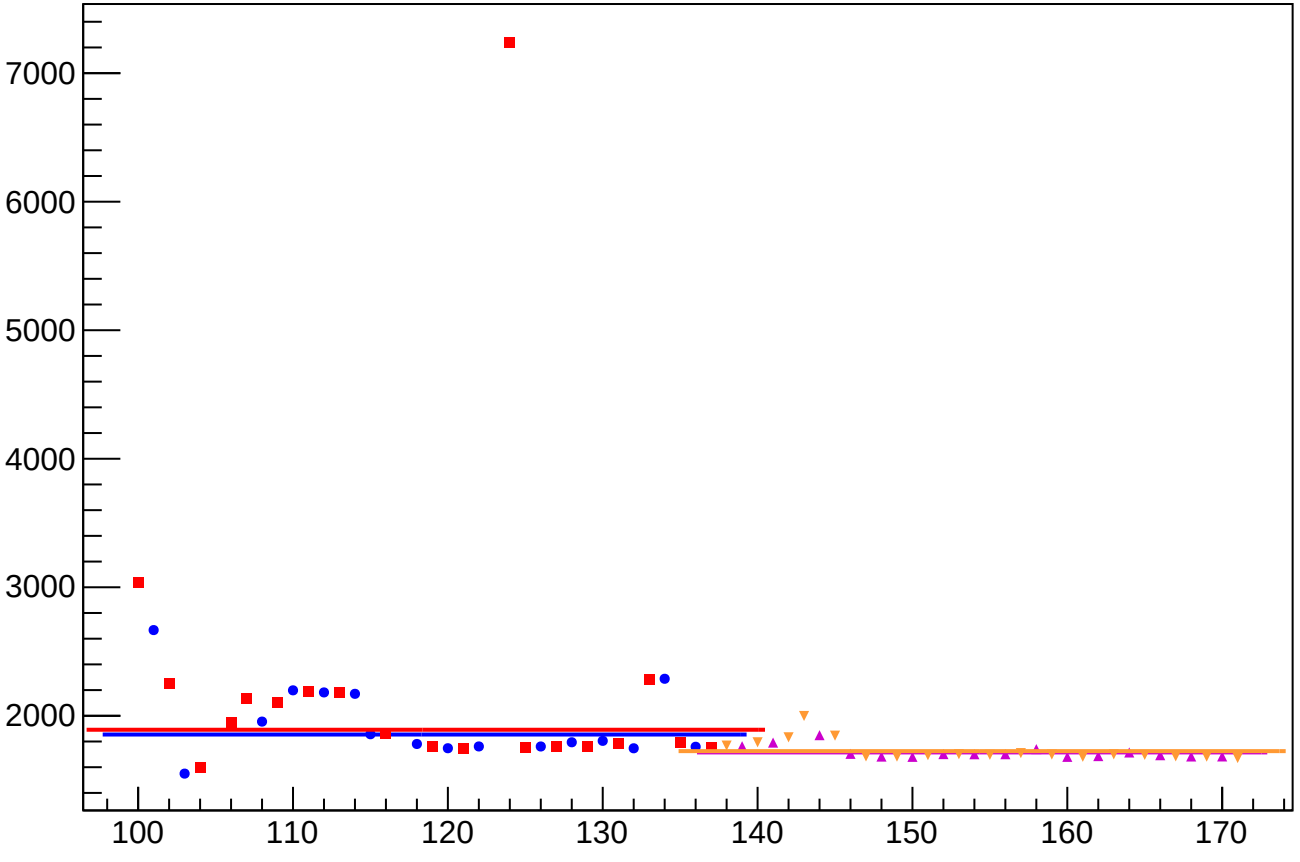
Left In: -2628.467+/-471.834 χ^2/NDF:14.5/15

+ sign 1710.078+/-382.016 χ^2/NDF: 36.9/33

All: -262.331+/-273.736 χ^2/NDF: 123.2/68

- sign -2343.791+/-392.435 χ^2/NDF: 31.5/34

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

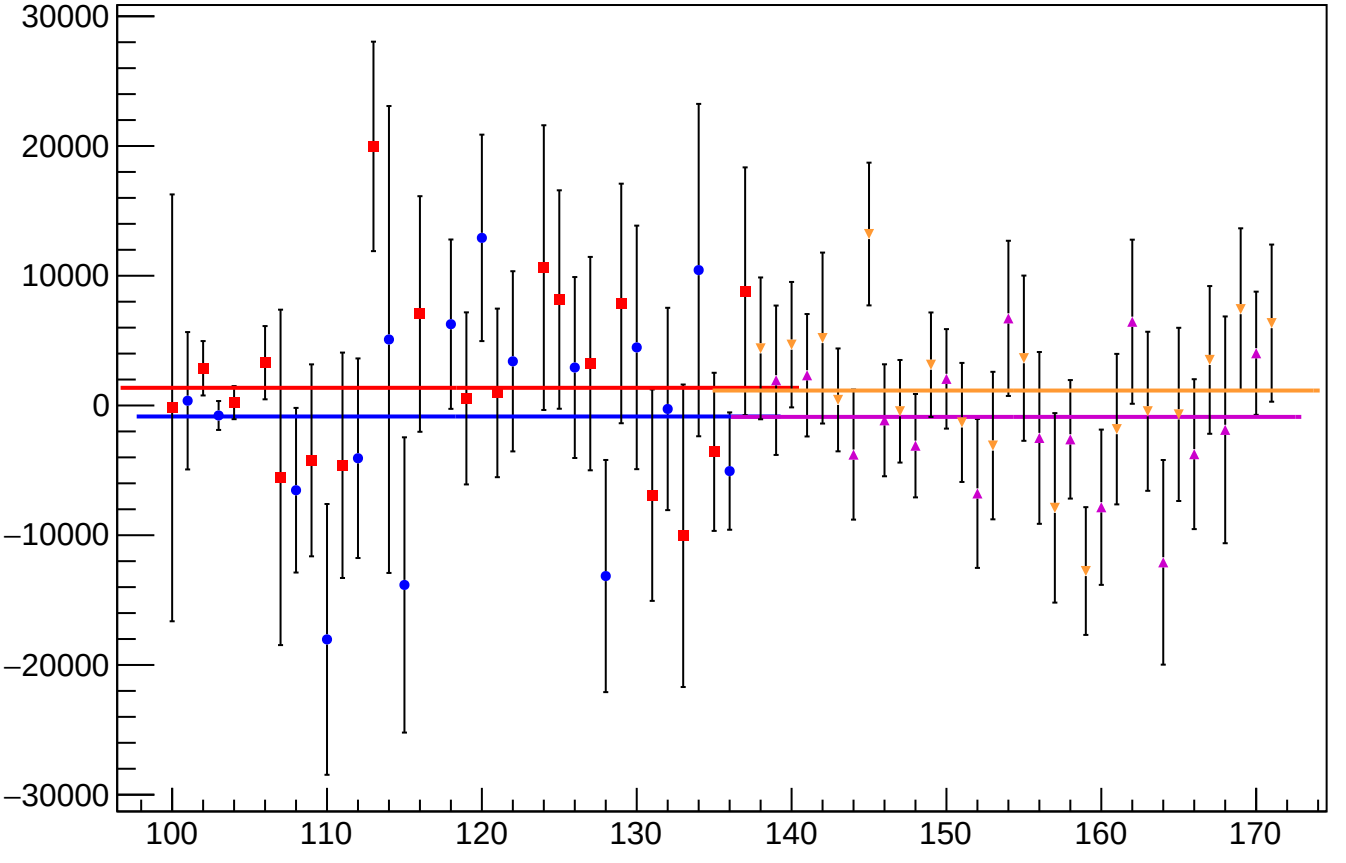
Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

+ sign 1764.133+/-0.270 χ^2/NDF: 365055.3/33

All: 1766.800+/-0.193 χ^2/NDF: 834419.8/68

- sign 1769.610+/-0.277 χ^2/NDF: 469164.3/34

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 1152.348+/-1242.930 χ^2/NDF:19.4/17

Right Out: 1361.523+/-915.925 χ^2/NDF: 14.0/18

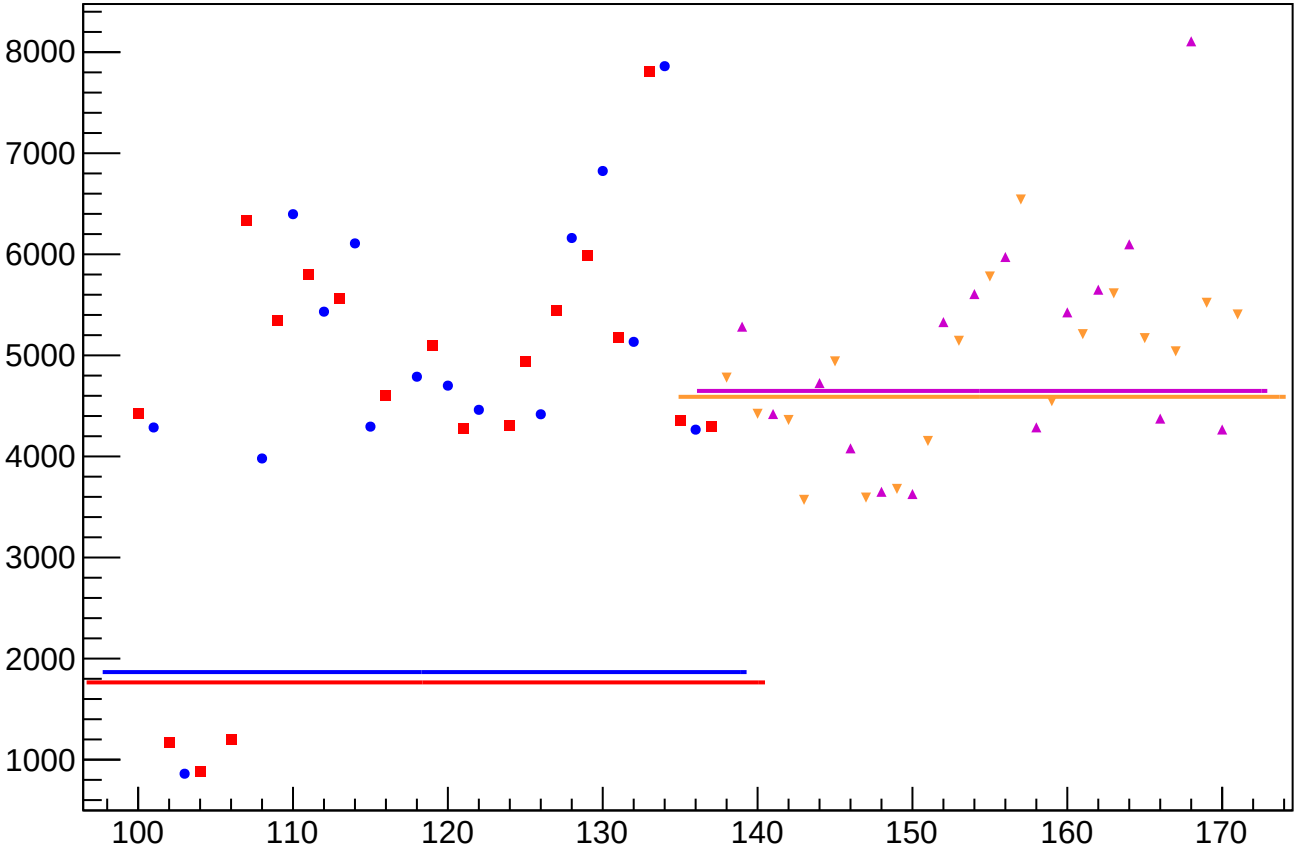
Left In: -879.610+/-1307.448 χ^2/NDF:10.9/15

+ sign -97.709+/-761.210 χ^2/NDF: 34.8/33

All: 268.287+/-534.308 χ^2/NDF: 62.1/68

- sign 623.737+/-750.163 χ^2/NDF: 26.8/34

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4589.921+/-0.879 χ^2/NDF:814217.1/17

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

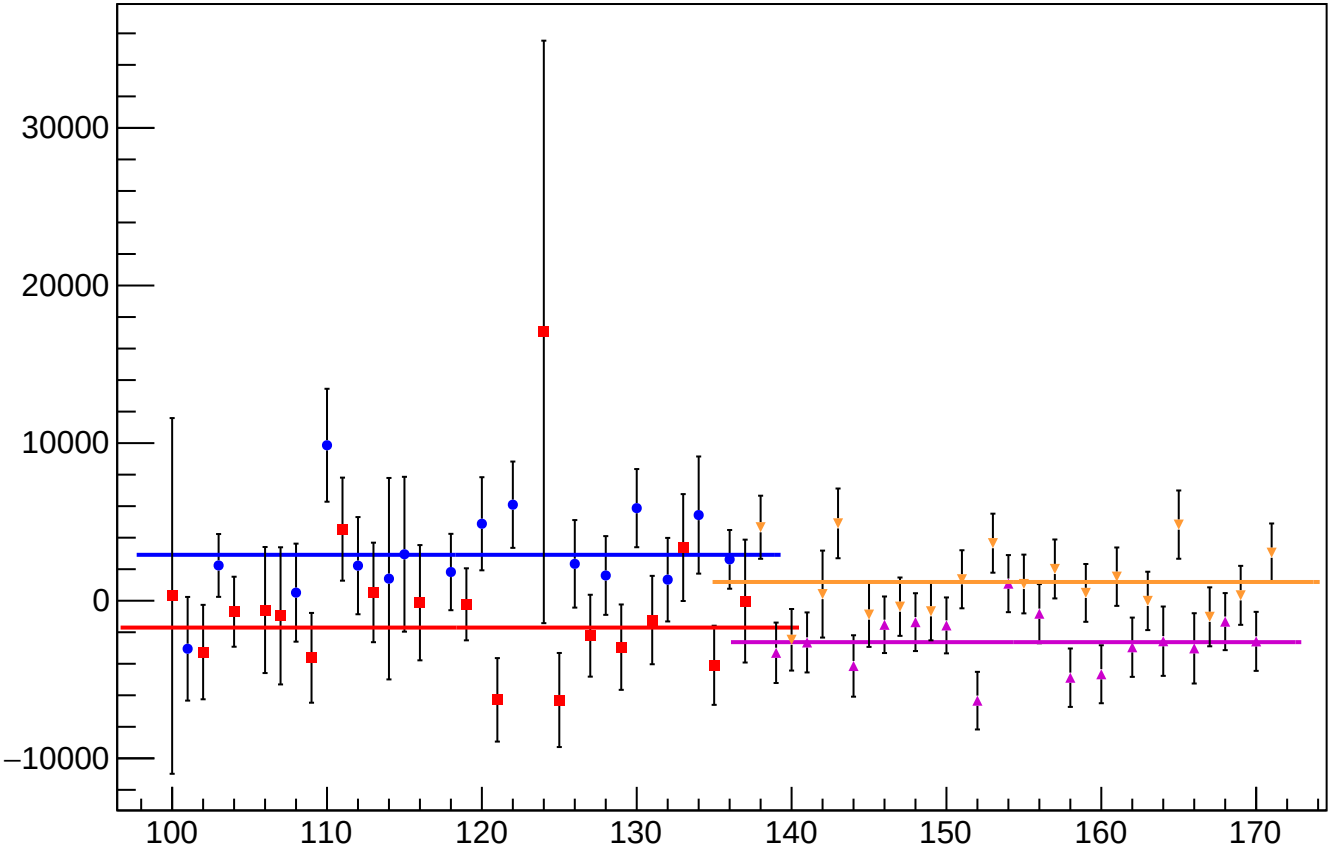
Left In: 4648.328+/-0.925 χ^2/NDF:985414.7/15

+ sign 2887.923+/-0.538 χ^2/NDF: 13664884.5/33

All: 2799.546+/-0.378 χ^2/NDF: 27666208.5/6

- sign 2713.715+/-0.530 χ^2/NDF: 13948183.5/34

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.297+/-457.276 χ^2/NDF:20.2/17

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

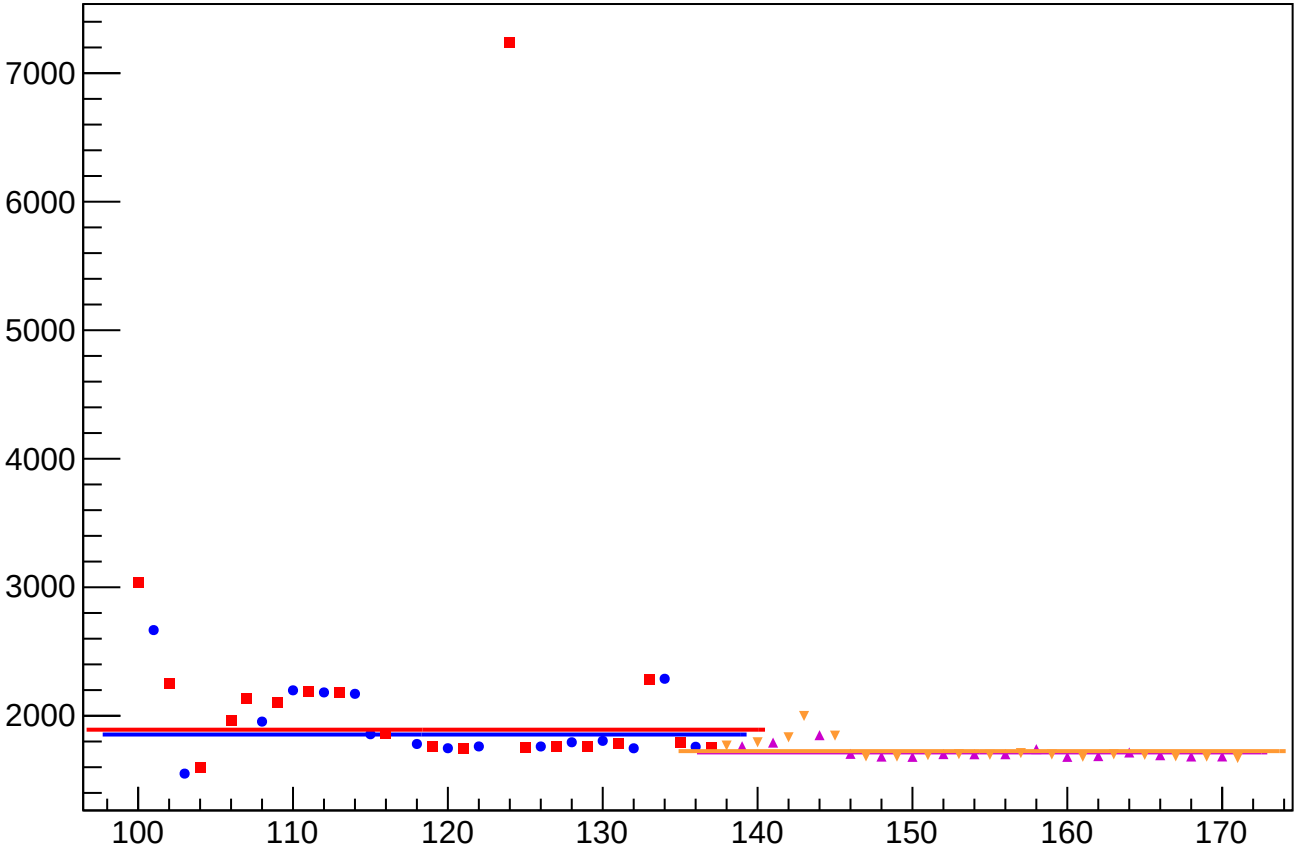
Left In: -2628.445+/-471.834 χ^2/NDF:14.5/15

+ sign 1710.015+/-382.016 χ^2/NDF: 36.9/33

All: -262.148+/-273.736 χ^2/NDF: 123.2/68

- sign -2343.350+/-392.435 χ^2/NDF: 31.5/34

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

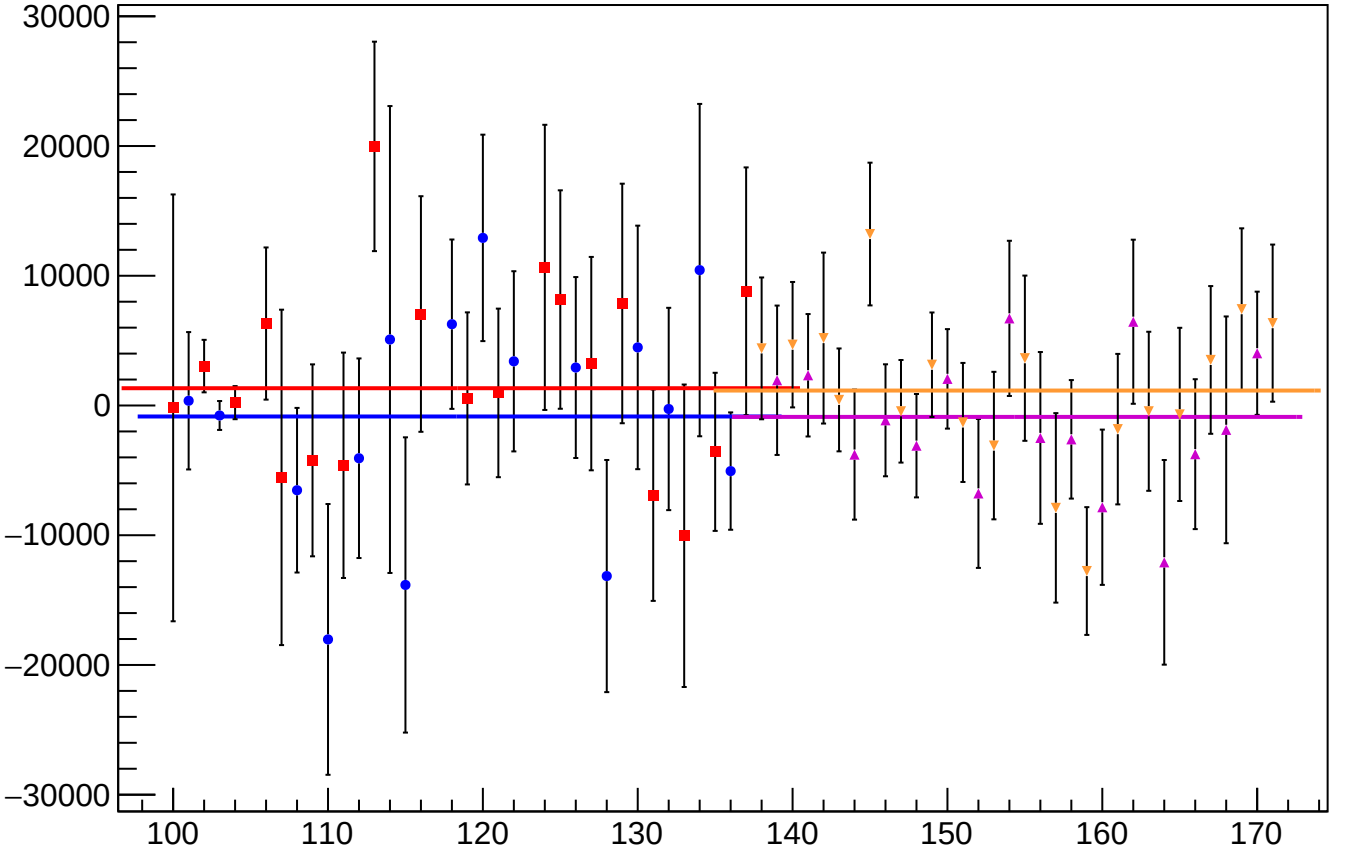
Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

+ sign 1764.133+/-0.270 χ^2/NDF: 365055.2/33

All: 1766.861+/-0.193 χ^2/NDF: 835093.0/68

- sign 1769.735+/-0.277 χ^2/NDF: 469828.5/34

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1152.337+/-1242.928 χ^2/NDF:19.4/17

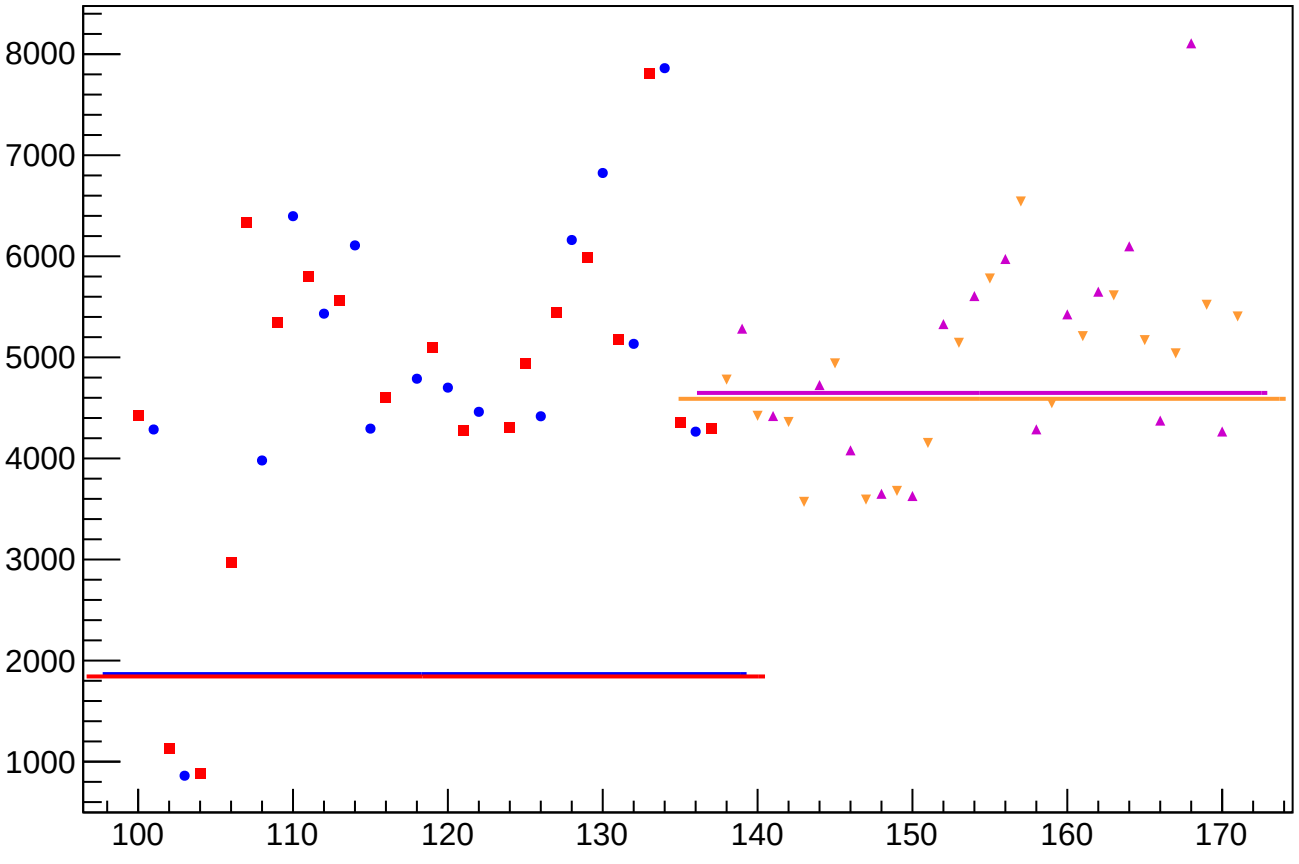
Right Out: 1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: -879.669+/-1307.448 χ^2/NDF:10.9/15

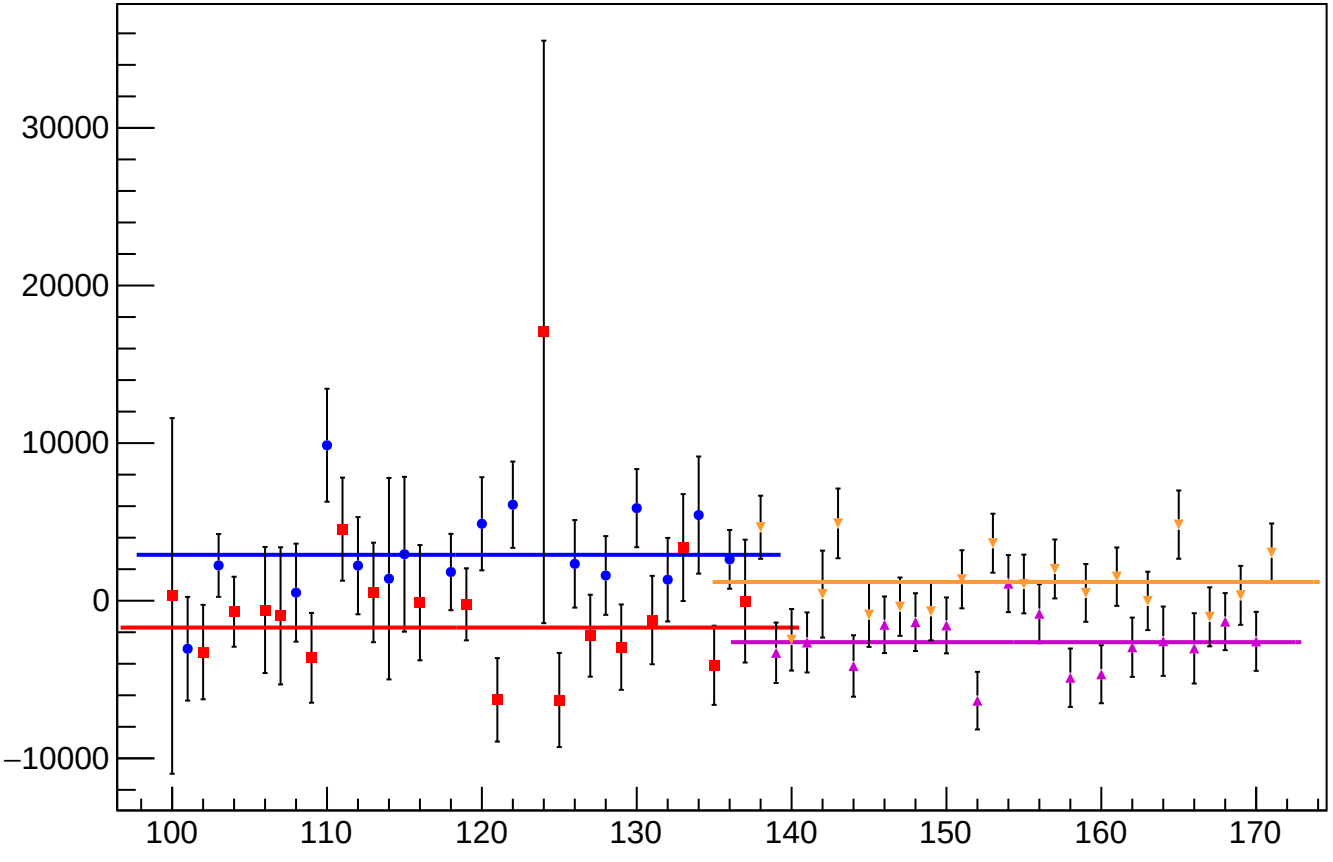
+ sign -97.468+/-761.184 χ^2/NDF: 34.8/33

All: 233.142+/-540.482 χ^2/NDF: 62.4/68

- sign 569.322+/-767.569 χ^2/NDF: 27.2/34


asym_atl1r2_avg_cor_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4589.914+/-0.879 χ²/NDF:814227.7/17
Right Out: 1842.882+/-0.670 χ²/NDF: 6458456.4/18
Left In: 4648.325+/-0.925 χ²/NDF:985430.5/15
+ sign 2887.755+/-0.538 χ²/NDF: 13666225.2/33
All: 2849.101+/-0.382 χ²/NDF: 27155183.3/6
- sign 2809.796+/-0.543 χ²/NDF: 13478556.2/34

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.297+/-457.276 χ^2/NDF:20.2/17

Right Out: -1703.523+/-706.847 χ^2/NDF: 15.8/18

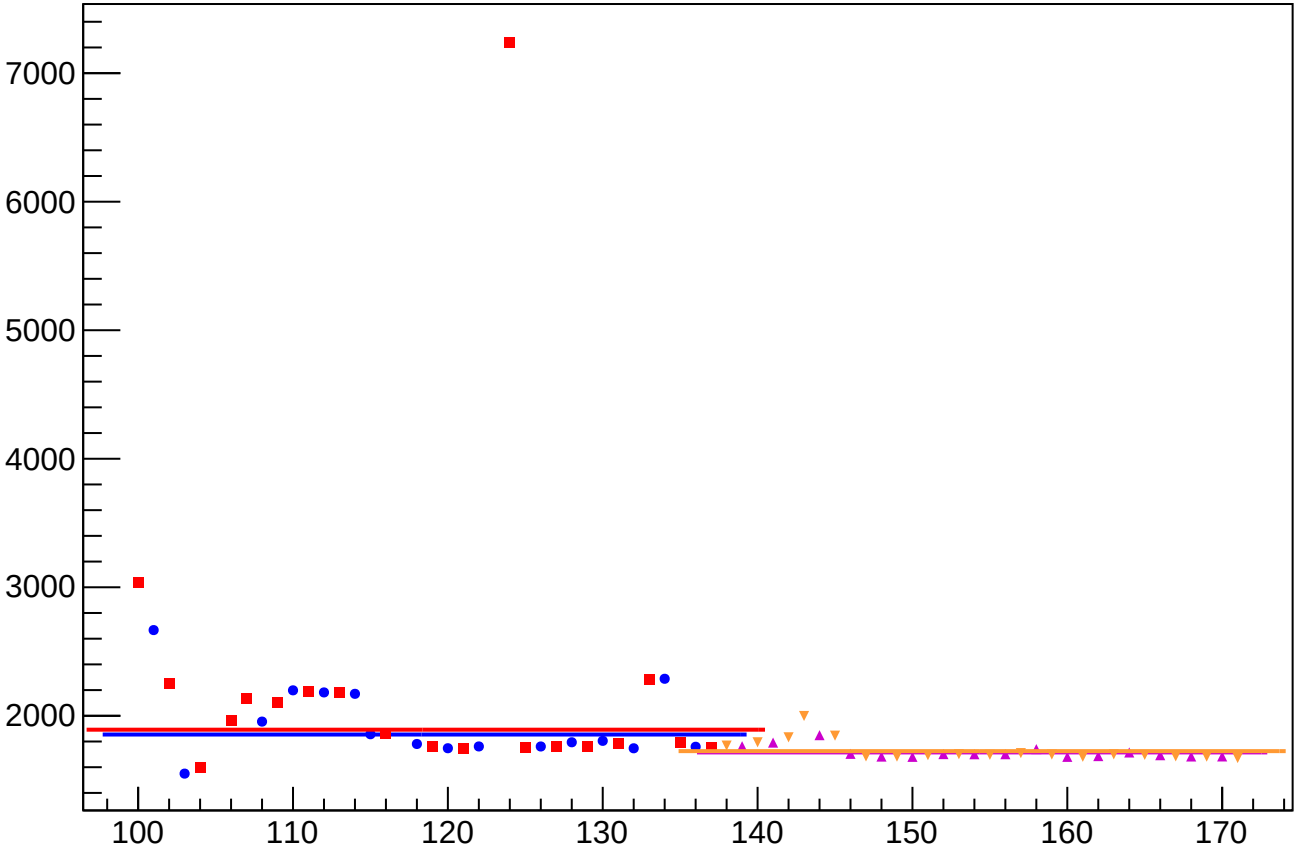
Left In: -2628.445+/-471.834 χ^2/NDF:14.5/15

+ sign 1710.015+/-382.016 χ^2/NDF: 36.9/33

All: -262.148+/-273.736 χ^2/NDF: 123.2/68

- sign -2343.350+/-392.435 χ^2/NDF: 31.5/34

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

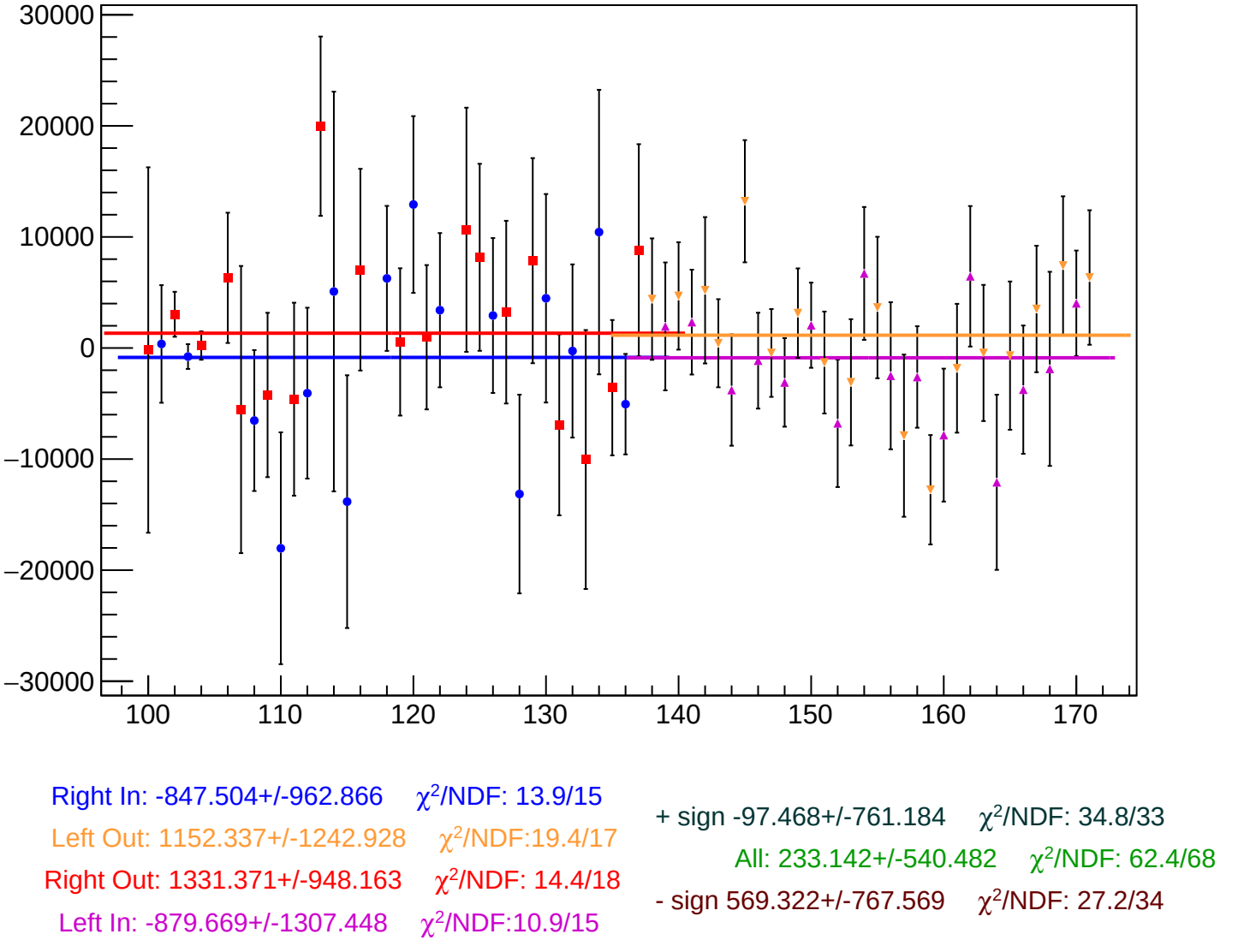
Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

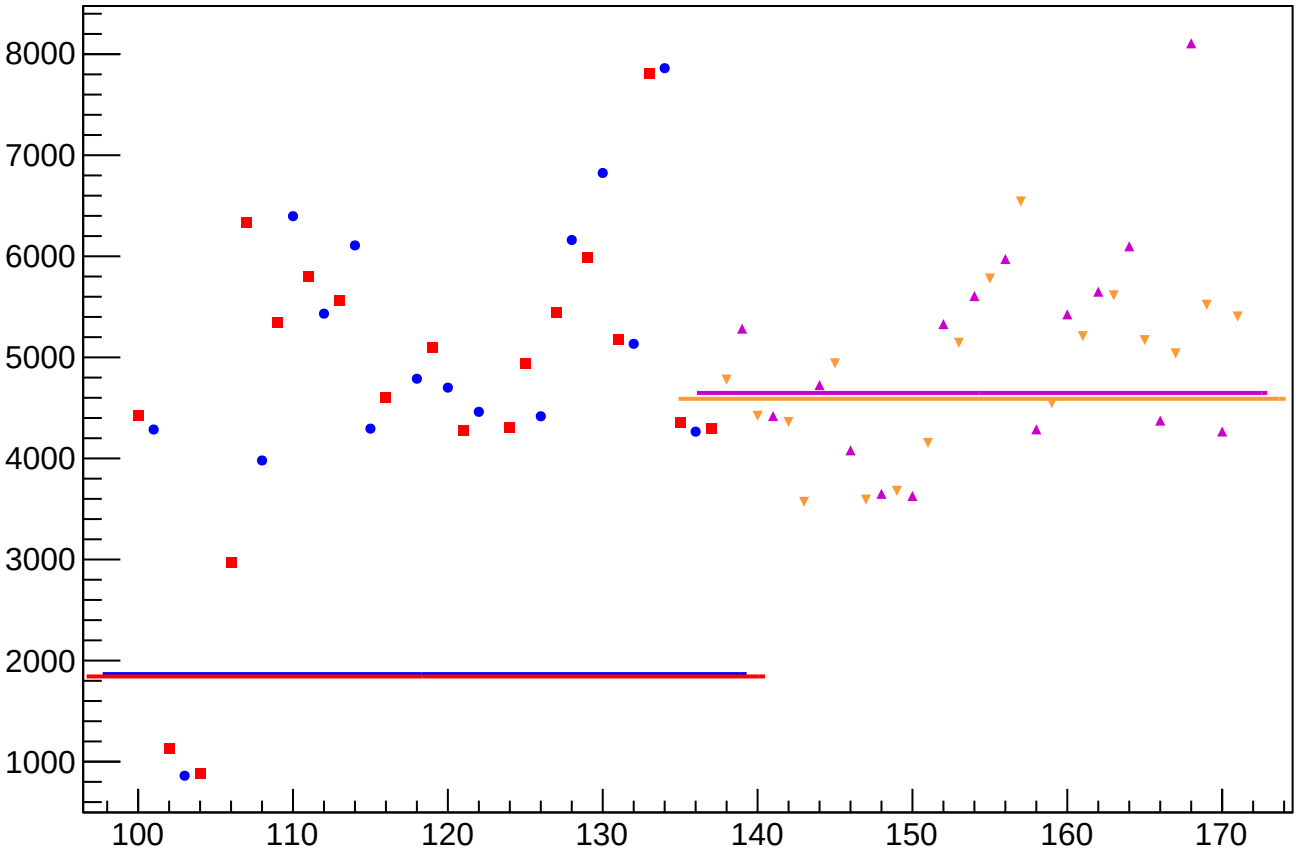
Left In: 1715.059+/-0.334 χ^2/NDF:18661.7/15

+ sign 1764.133+/-0.270 χ^2/NDF: 365055.2/33

All: 1766.861+/-0.193 χ^2/NDF: 835093.0/68

- sign 1769.735+/-0.277 χ^2/NDF: 469828.5/34


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 1152.337+/-1242.928 χ²/NDF:19.4/17
Right Out: 1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: -879.669+/-1307.448 χ²/NDF:10.9/15
+ sign -97.468+/-761.184 χ²/NDF: 34.8/33
All: 233.142+/-540.482 χ²/NDF: 62.4/68
- sign 569.322+/-767.569 χ²/NDF: 27.2/34


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
8000
7000
6000
5000
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2000
1000
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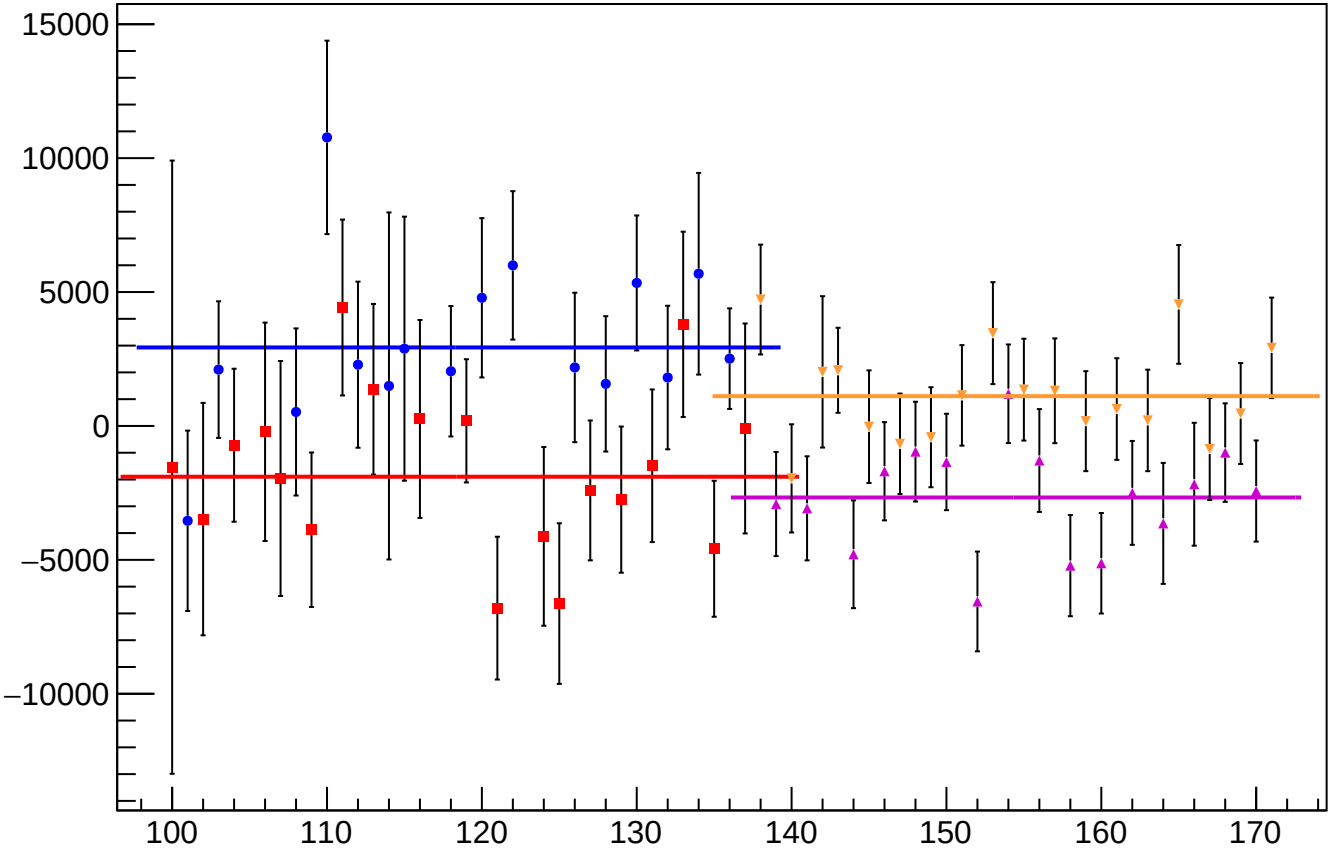
120
130
140
150
160
170
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4589.914+/-0.879 χ²/NDF:814227.7/17
Right Out: 1842.882+/-0.670 χ²/NDF: 6458456.4/18
Left In: 4648.325+/-0.925 χ²/NDF:985430.5/15
+ sign 2887.755+/-0.538 χ²/NDF: 13666225.2/33
All: 2849.101+/-0.382 χ²/NDF: 27155183.3/6
- sign 2809.796+/-0.543 χ²/NDF: 13478556.2/34

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1113.306+/-456.996 χ^2/NDF:14.4/17

Right Out: -1895.503+/-721.954 χ^2/NDF: 17.4/18

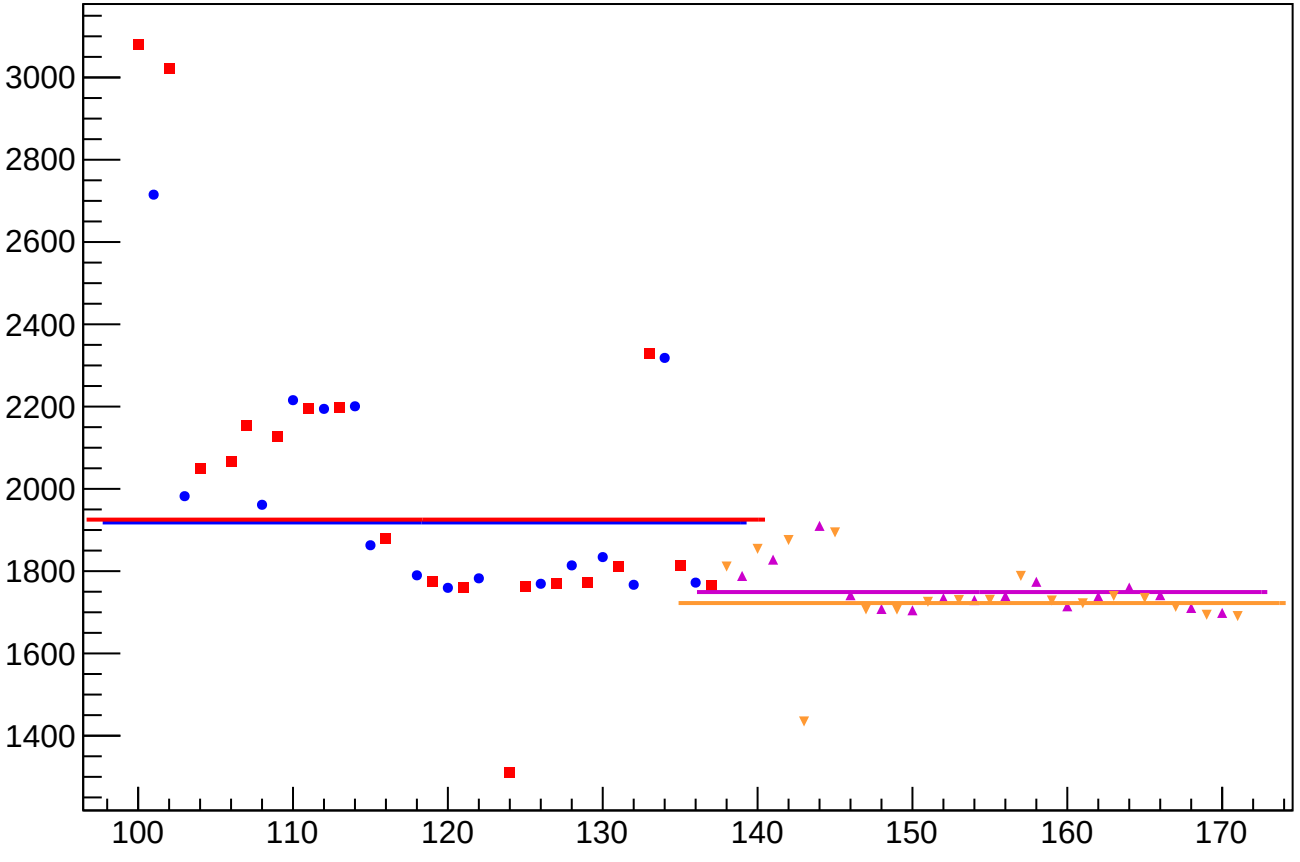
Left In: -2671.129+/-481.287 χ^2/NDF:16.7/15

+ sign 1637.254+/-385.576 χ^2/NDF: 31.9/33

All: -320.586+/-277.756 χ^2/NDF: 120.4/68

- sign -2432.485+/-400.459 χ^2/NDF: 34.9/34

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.450+/-0.323 χ^2/NDF:101142.0/17

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

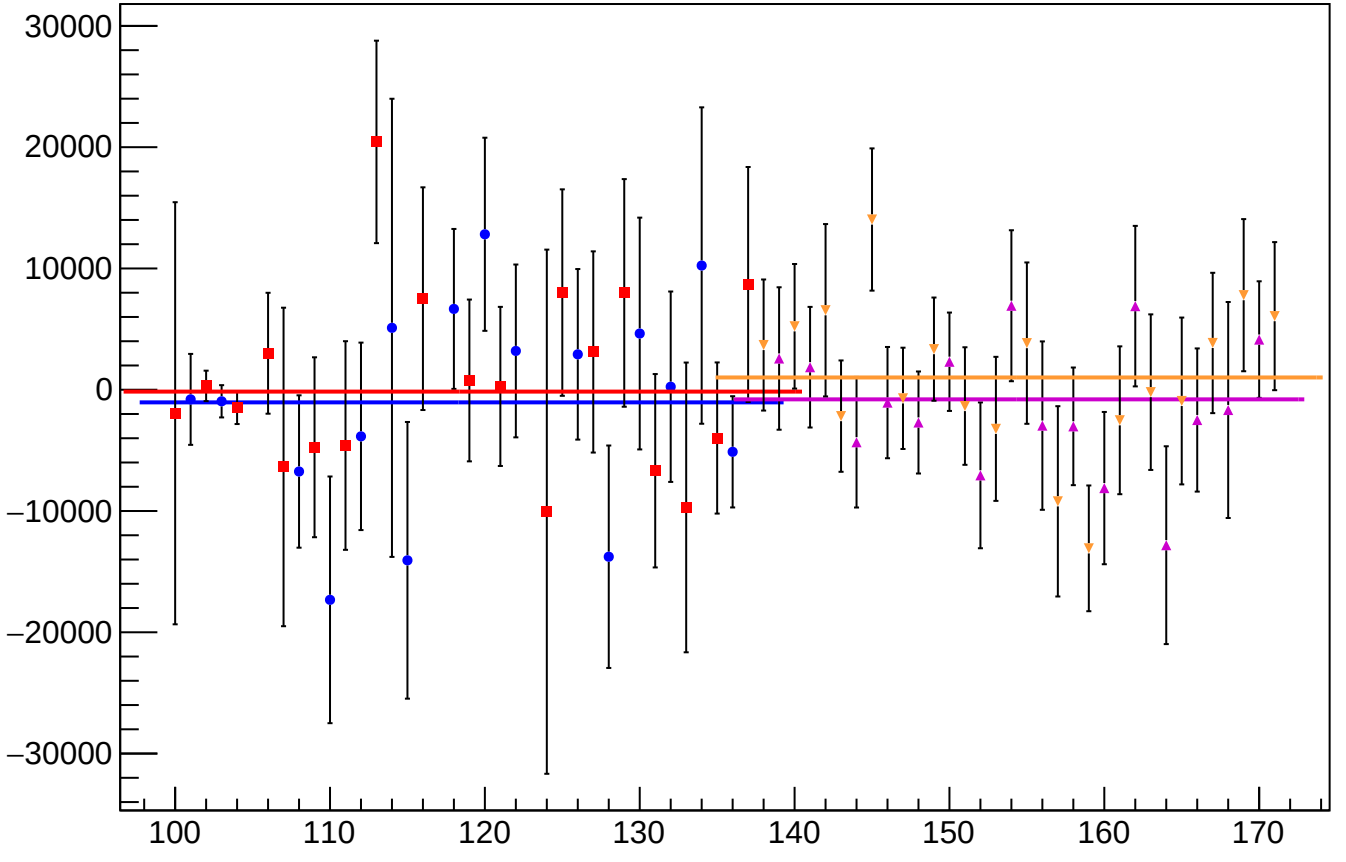
Left In: 1749.185+/-0.340 χ^2/NDF:22978.2/15

+ sign 1778.902+/-0.273 χ^2/NDF: 422648.1/33

All: 1790.700+/-0.196 χ^2/NDF: 871066.3/68

- sign 1803.421+/-0.283 χ^2/NDF: 444526.3/34

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 1011.813+/-1310.253 χ^2/NDF:20.0/17

Right Out: -153.619+/-835.656 χ^2/NDF: 13.7/18

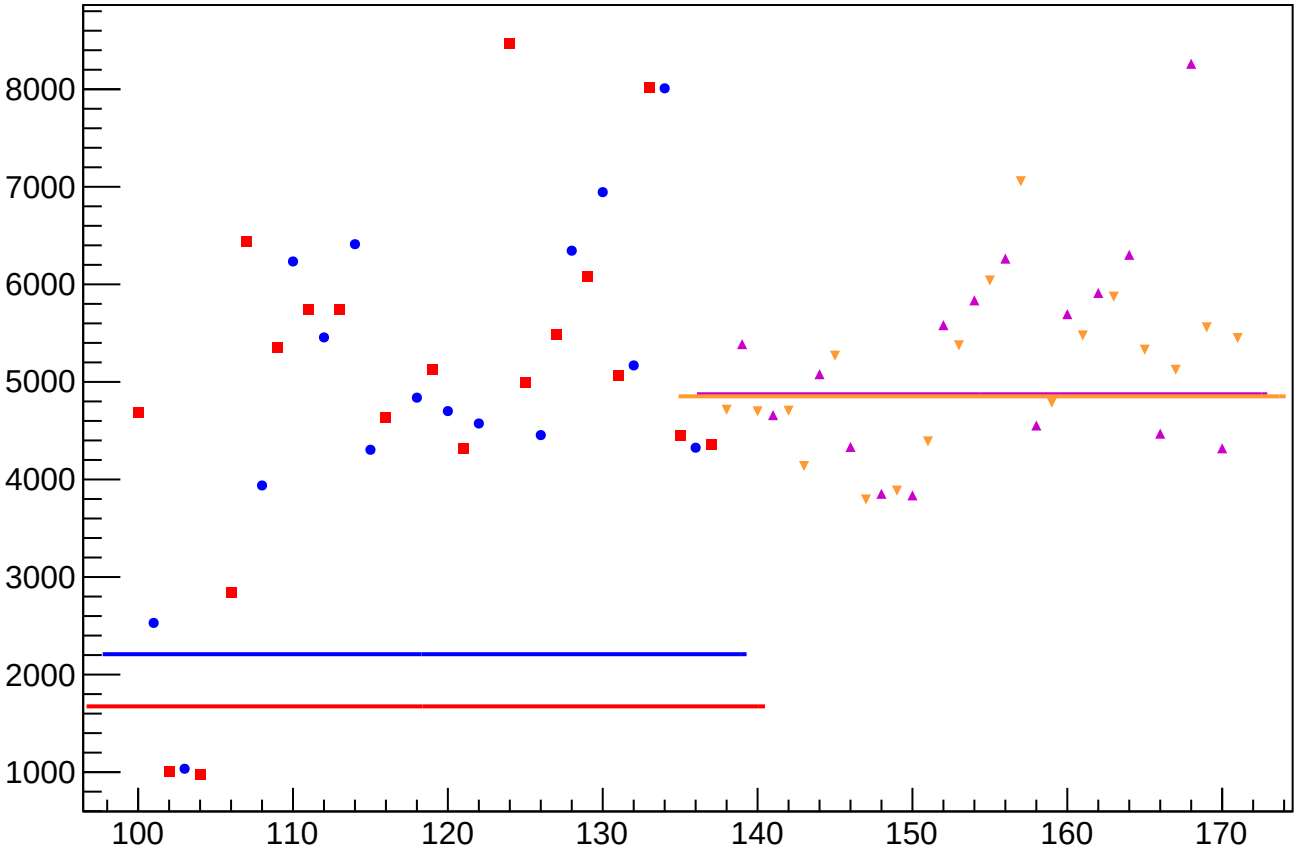
Left In: -793.398+/-1369.367 χ^2/NDF:10.8/15

\+ sign -218.035+/-829.878 χ^2/NDF: 35.3/33

All: -280.830+/-540.951 χ^2/NDF: 60.0/68

\- sign -327.225+/-713.323 χ^2/NDF: 24.7/34

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4852.050+/-0.926 χ^2/NDF:679734.5/17

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

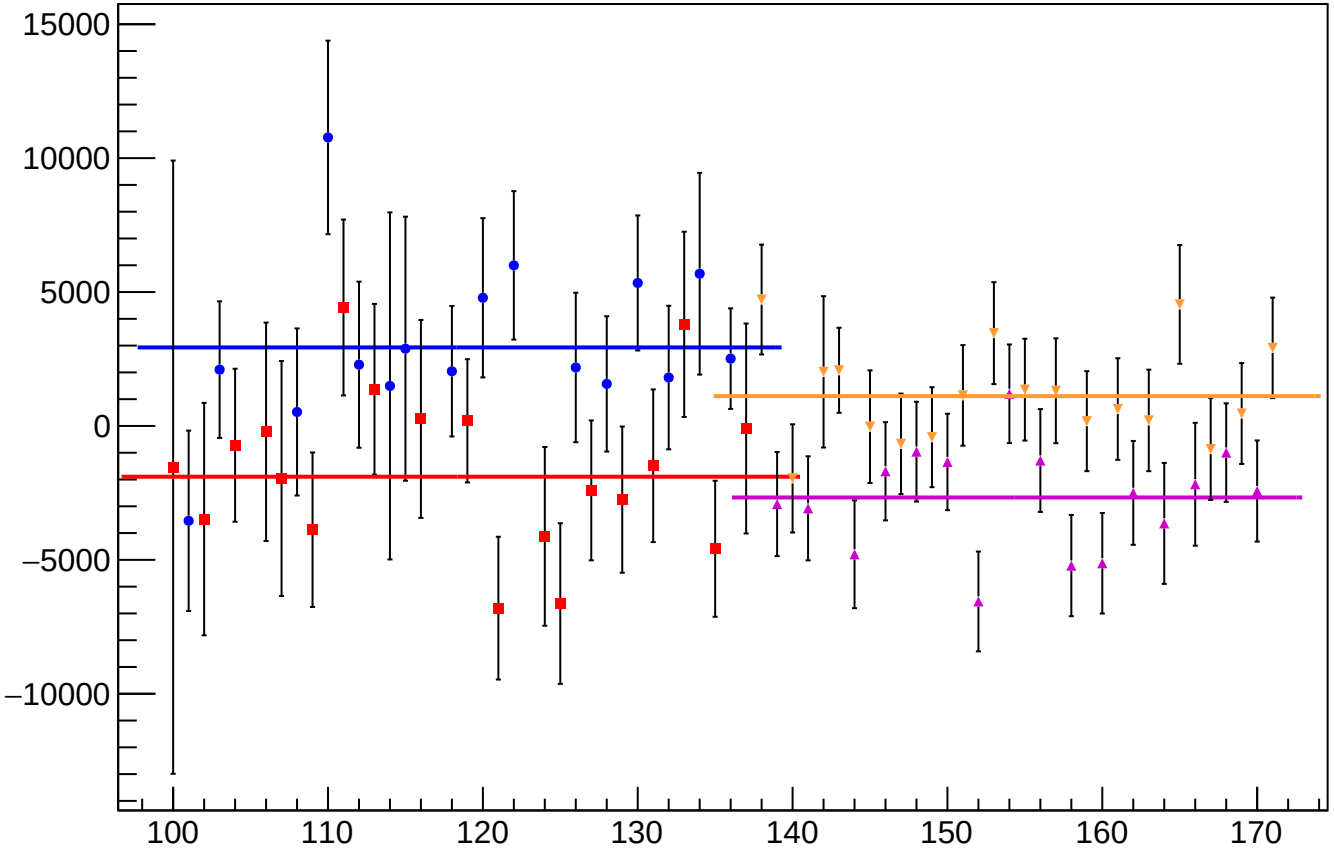
Left In: 4873.469+/-0.968 χ^2/NDF:932558.2/15

+ sign 3269.235+/-0.587 χ^2/NDF: 11052567.1/33

All: 2851.175+/-0.383 χ^2/NDF: 27675514.2/6

- sign 2542.300+/-0.504 χ^2/NDF: 15740403.9/34

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1113.300+/-456.996 χ^2/NDF:14.4/17

Right Out: -1895.508+/-721.953 χ^2/NDF: 17.4/18

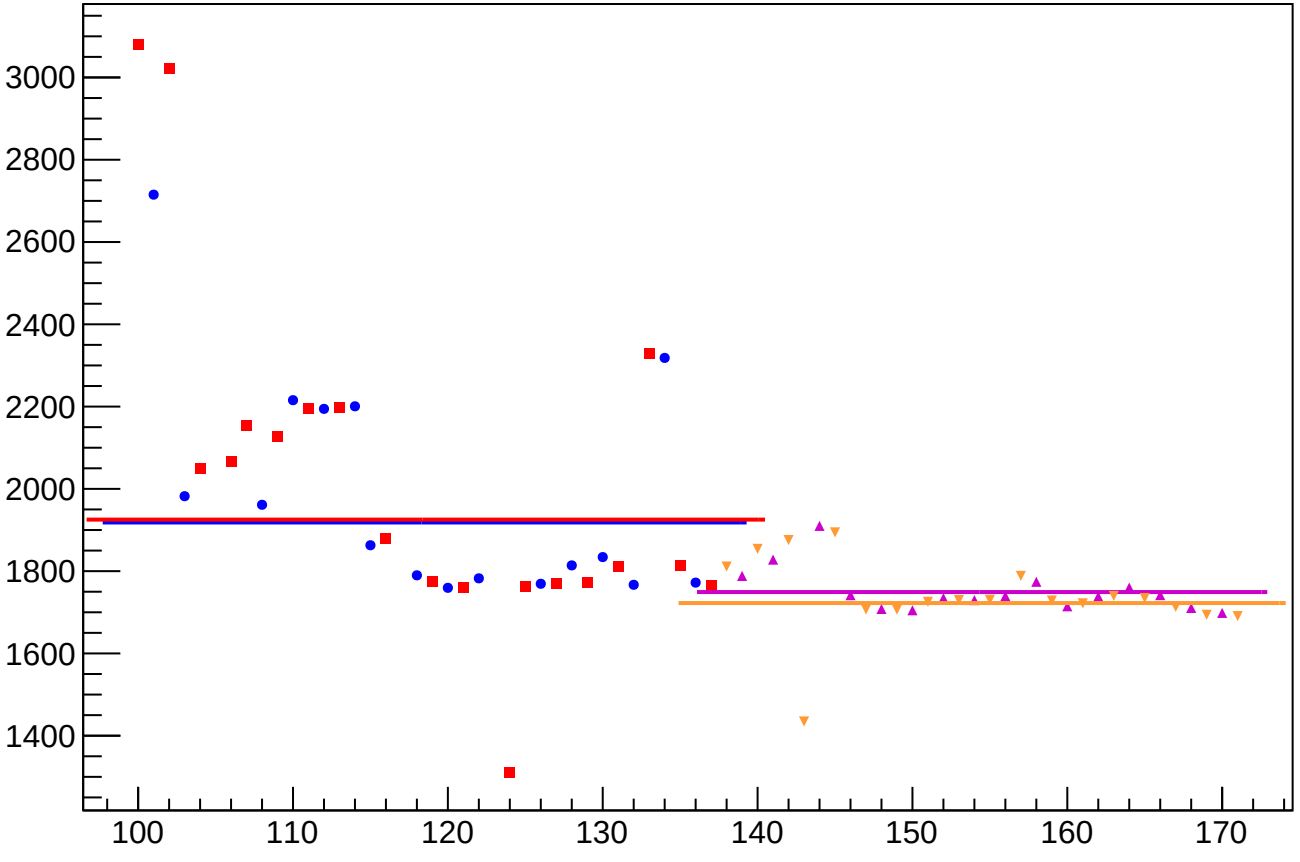
Left In: -2671.133+/-481.288 χ^2/NDF:16.7/15

+ sign 1637.250+/-385.576 χ^2/NDF: 31.9/33

All: -320.590+/-277.756 χ^2/NDF: 120.4/68

- sign -2432.489+/-400.459 χ^2/NDF: 34.9/34

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.451+/-0.323 χ^2/NDF:101141.2/17

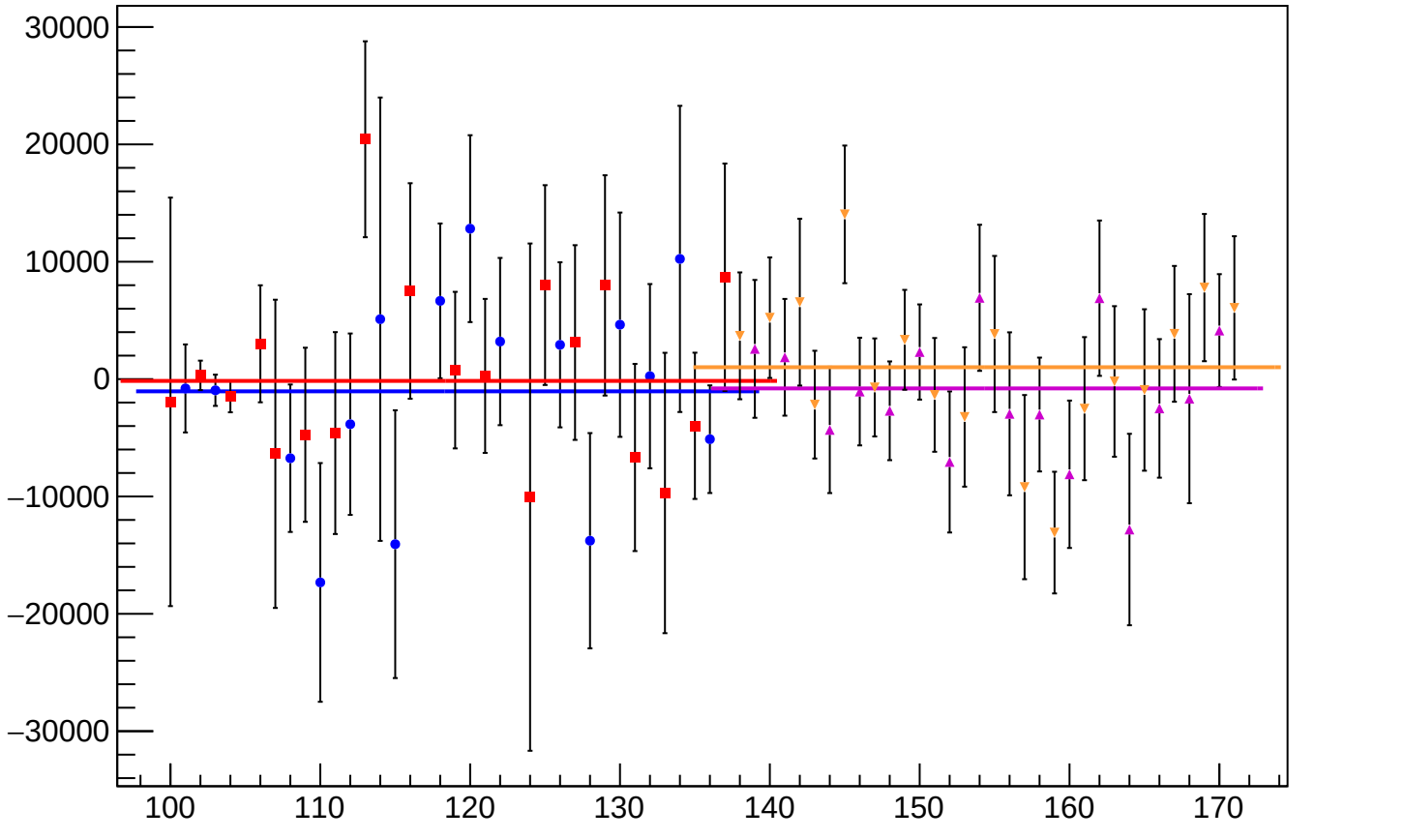
Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1749.186+/-0.340 χ^2/NDF:22978.2/15

+ sign 1778.902+/-0.273 χ^2/NDF: 422645.6/33

All: 1790.701+/-0.196 χ^2/NDF: 871061.2/68

- sign 1803.422+/-0.283 χ^2/NDF: 444523.7/34



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 1011.812+/-1310.255 χ^2/NDF:20.0/17

Right Out: -153.614+/-835.655 χ^2/NDF: 13.7/18

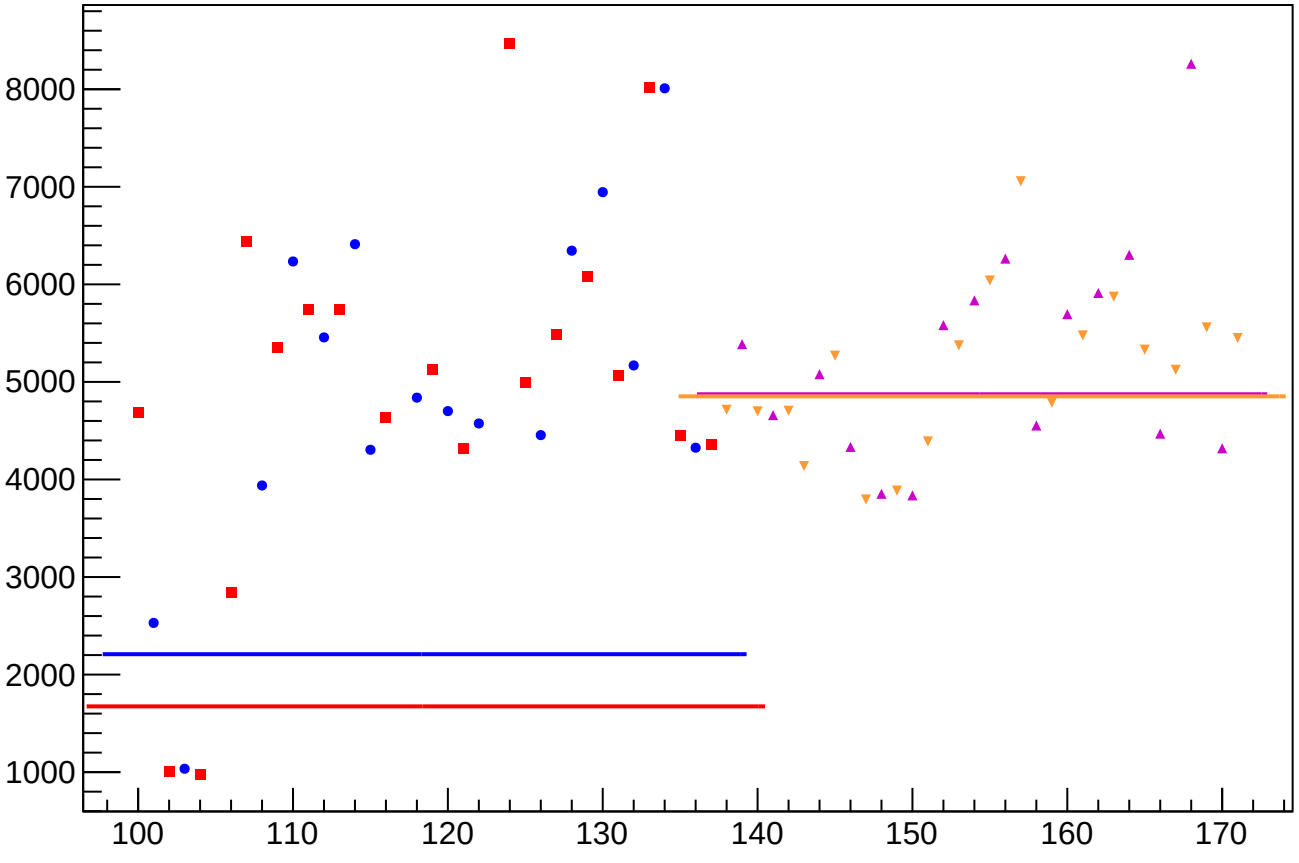
Left In: -793.396+/-1369.369 χ^2/NDF:10.8/15

+ sign -218.037+/-829.878 χ^2/NDF: 35.3/33

All: -280.828+/-540.951 χ^2/NDF: 60.0/68

- sign -327.220+/-713.323 χ^2/NDF: 24.7/34

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4852.058+/-0.926 χ^2/NDF:679733.9/17

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

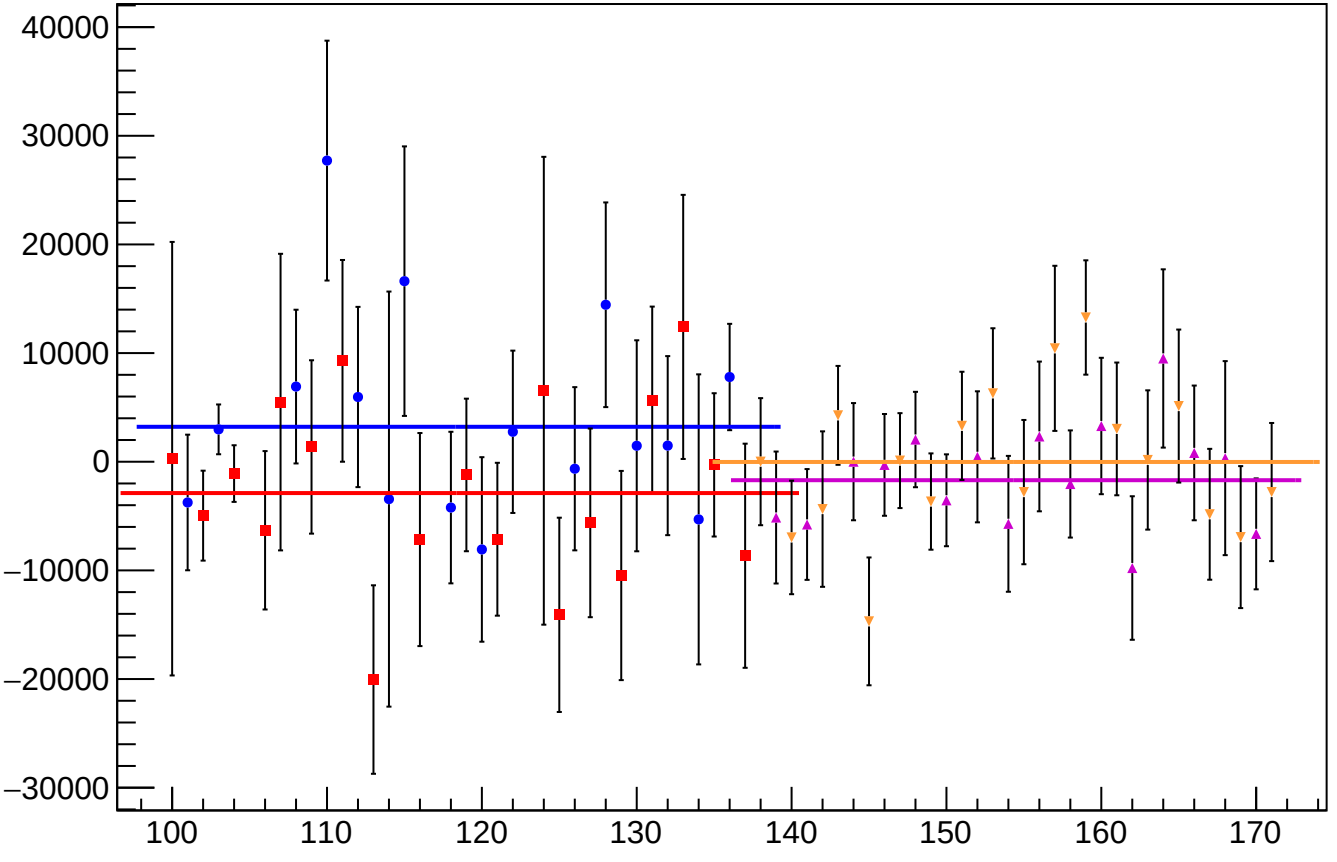
Left In: 4873.477+/-0.968 χ^2/NDF:932558.6/15

+ sign 3269.235+/-0.587 χ^2/NDF: 11052585.0/33

All: 2851.174+/-0.383 χ^2/NDF: 27675548.6/6

- sign 2542.299+/-0.504 χ^2/NDF: 15740419.1/34

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -20.917+/-1339.593 χ^2/NDF:22.7/17

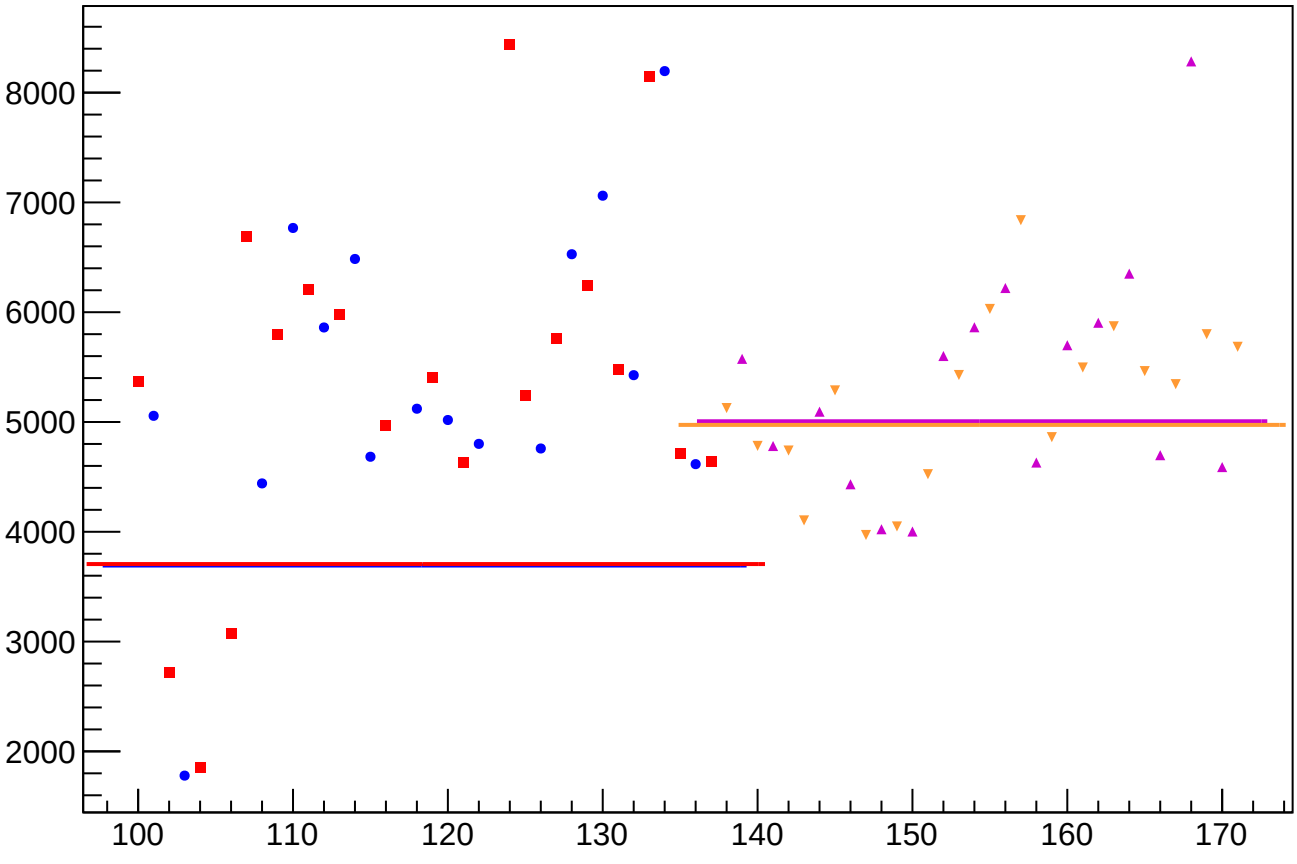
Right Out: -2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: -1699.412+/-1402.093 χ^2/NDF:8.1/15

+ sign 1373.981+/-1010.505 χ^2/NDF: 39.0/33

All: -376.120+/-724.886 χ^2/NDF: 67.0/68

- sign -2231.437+/-1040.437 χ^2/NDF: 21.8/34



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4973.658+/-0.947 χ^2/NDF:605355.3/17

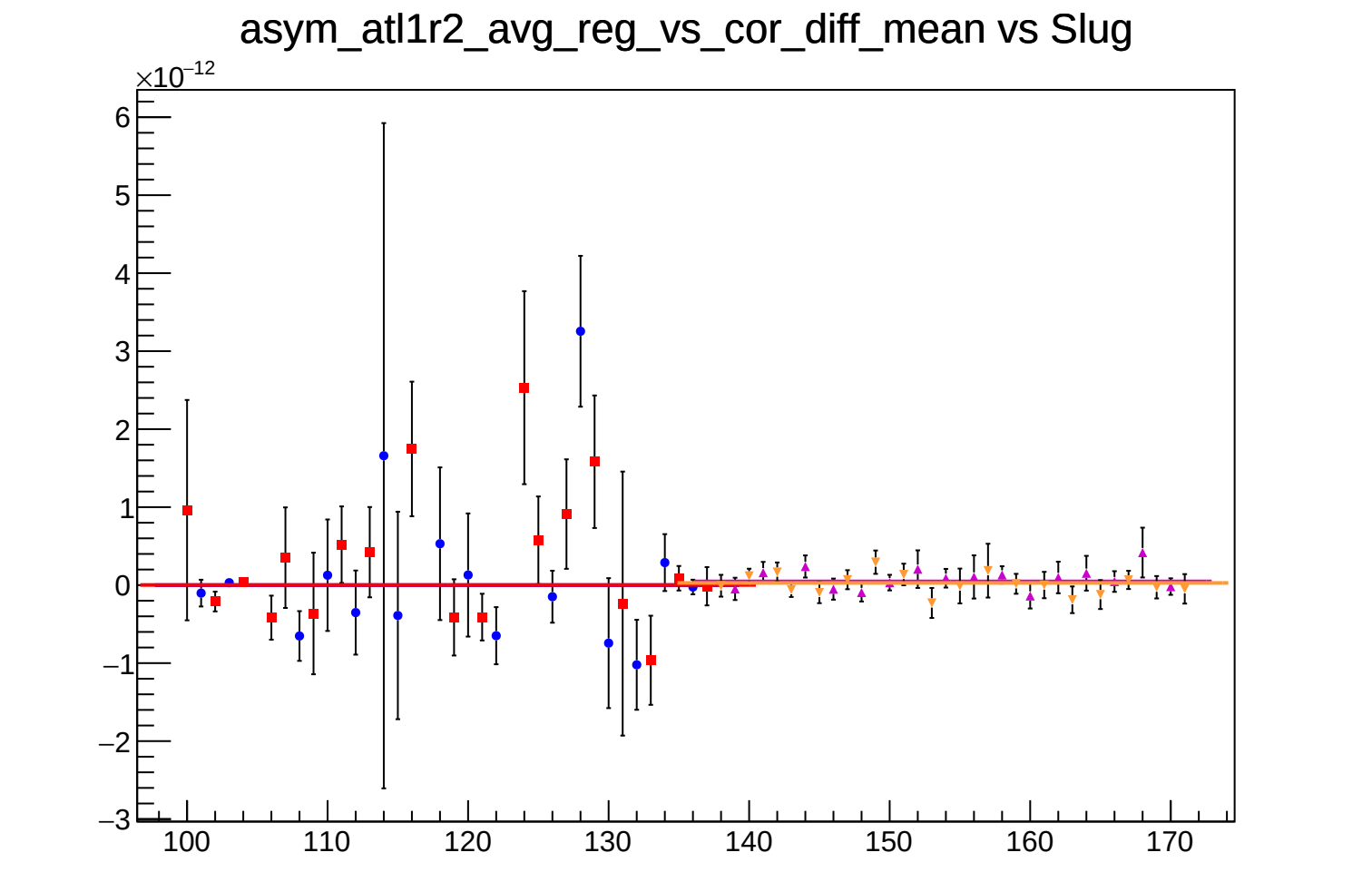
Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

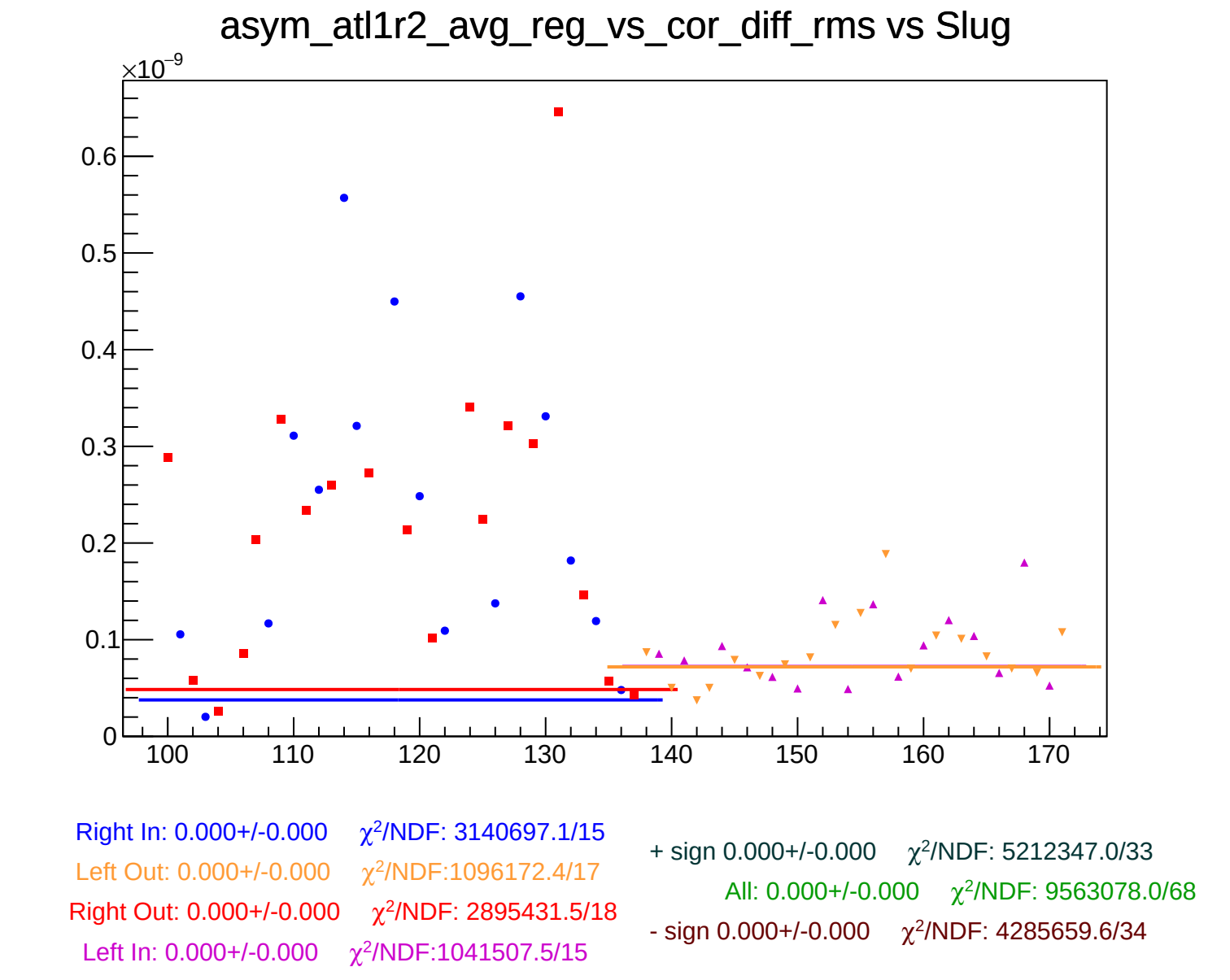
Left In: 5006.686+/-0.991 χ^2/NDF:798555.7/15

+ sign 4421.647+/-0.715 χ^2/NDF: 4279016.1/33

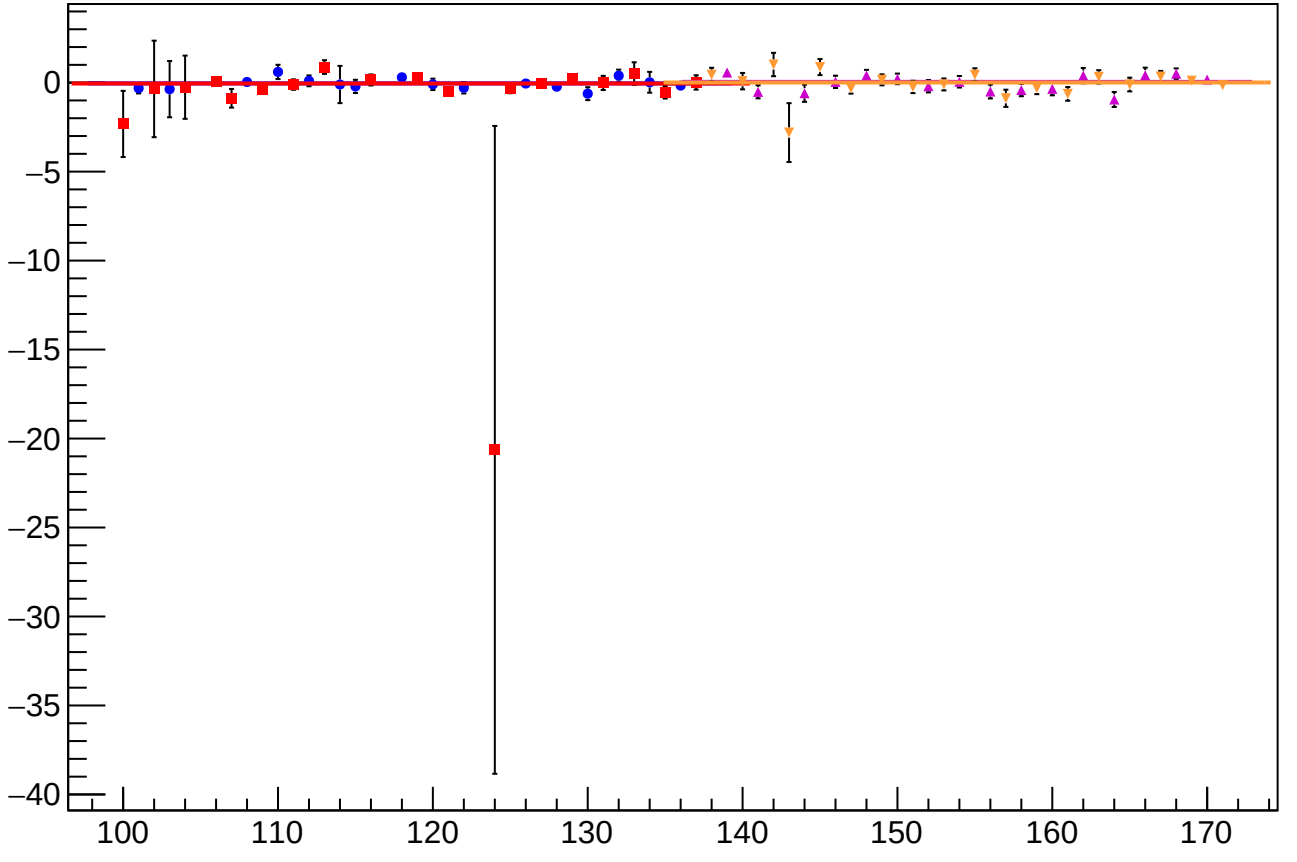
All: 4418.796+/-0.511 χ^2/NDF: 8543985.4/68

- sign 4415.801+/-0.732 χ^2/NDF: 4264936.6/34


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:12.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 28.2/18
Left In: 0.000+/-0.000 χ²/NDF:9.5/15
+ sign 0.000+/-0.000 χ²/NDF: 38.3/33
All: 0.000+/-0.000 χ²/NDF: 76.9/68
- sign 0.000+/-0.000 χ²/NDF: 38.4/34


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1096172.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1041507.5/15
+ sign 0.000+/-0.000 χ²/NDF: 5212347.0/33
All: 0.000+/-0.000 χ²/NDF: 9563078.0/68
- sign 0.000+/-0.000 χ²/NDF: 4285659.6/34

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.009+/-0.082 χ^2/NDF:23.1/17

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

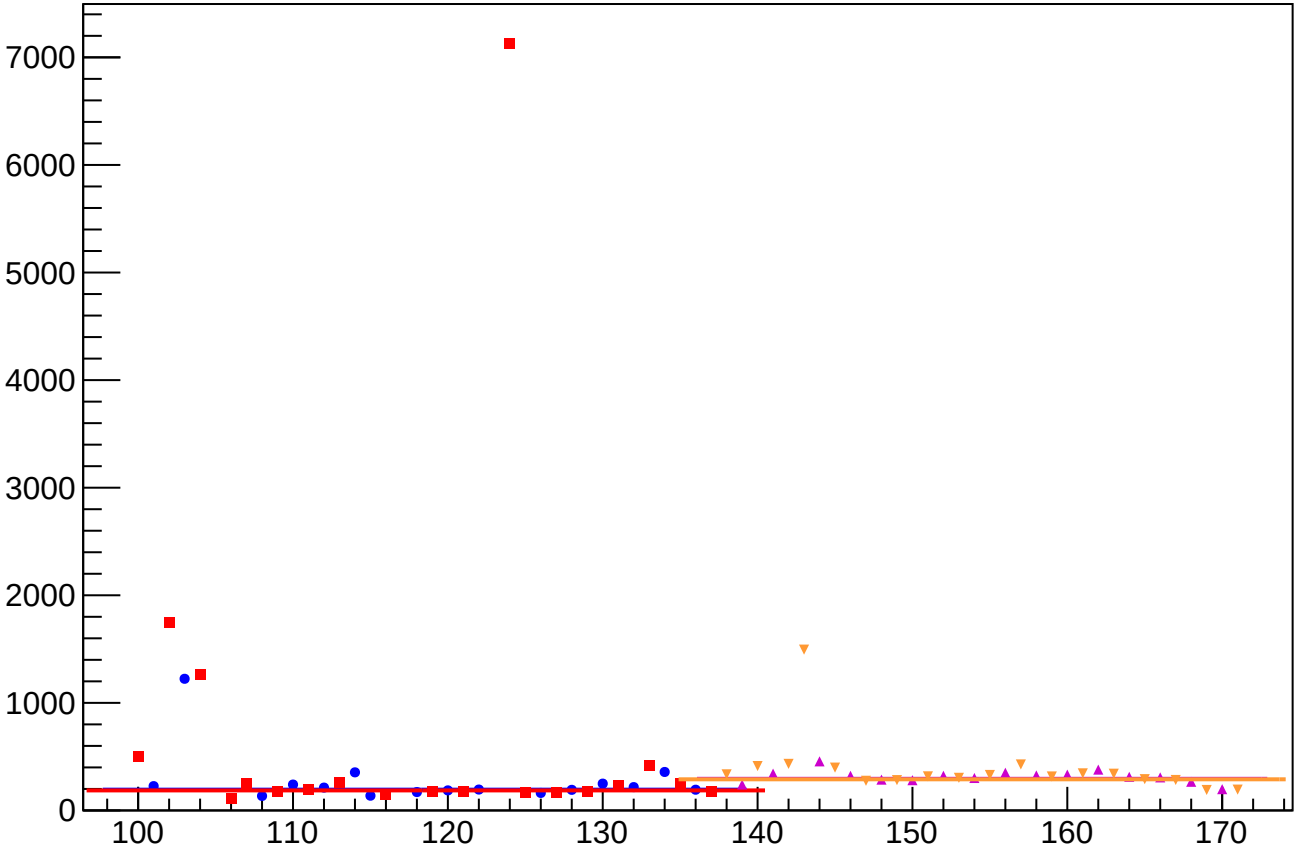
Left In: 0.043+/-0.084 χ^2/NDF:24.3/15

+ sign -0.017+/-0.056 χ^2/NDF: 35.0/33

All: -0.012+/-0.040 χ^2/NDF: 83.0/68

- sign -0.006+/-0.057 χ^2/NDF: 48.0/34

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 289.493+/-0.058 χ^2/NDF:2544216.9/17

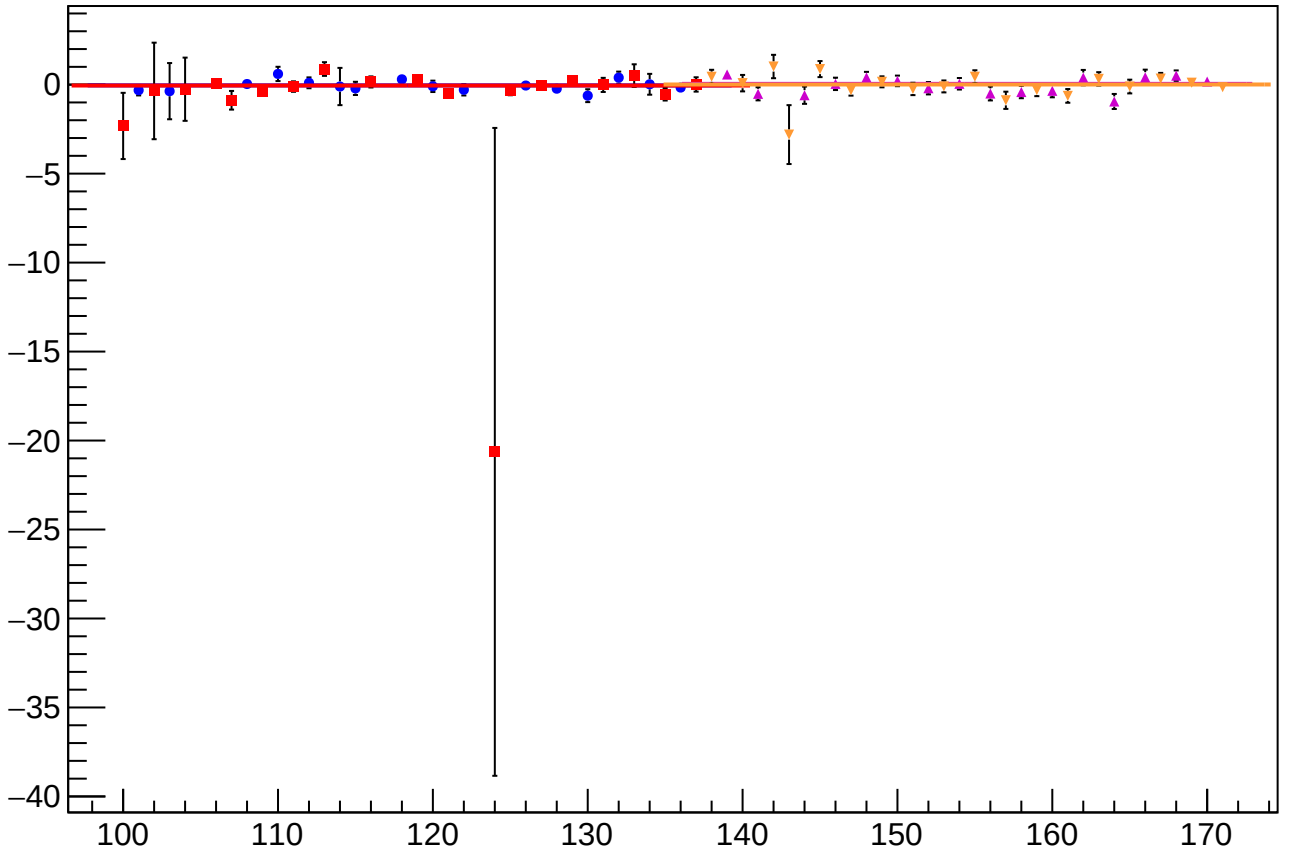
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 294.029+/-0.059 χ^2/NDF:916324.6/15

+ sign 238.988+/-0.040 χ^2/NDF: 5408899.4/33

All: 237.974+/-0.028 χ^2/NDF: 10558525.9/68

- sign 236.922+/-0.041 χ^2/NDF: 5148306.1/34



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.009+/-0.082 χ^2/NDF:23.1/17

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

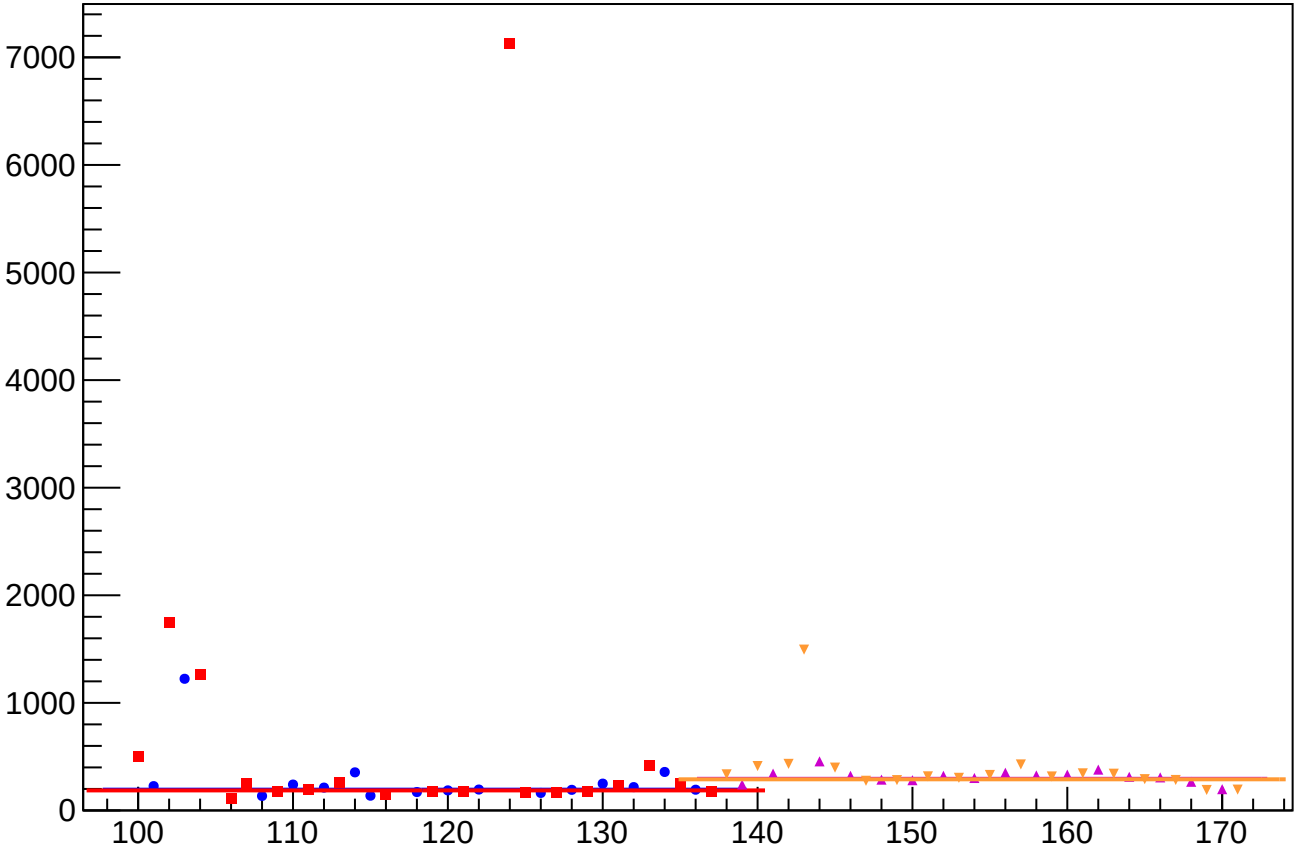
Left In: 0.043+/-0.084 χ^2/NDF:24.3/15

+ sign -0.017+/-0.056 χ^2/NDF: 35.0/33

All: -0.012+/-0.040 χ^2/NDF: 83.0/68

- sign -0.006+/-0.057 χ^2/NDF: 48.0/34

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: 289.493+/-0.058 χ^2/NDF:2544216.9/17

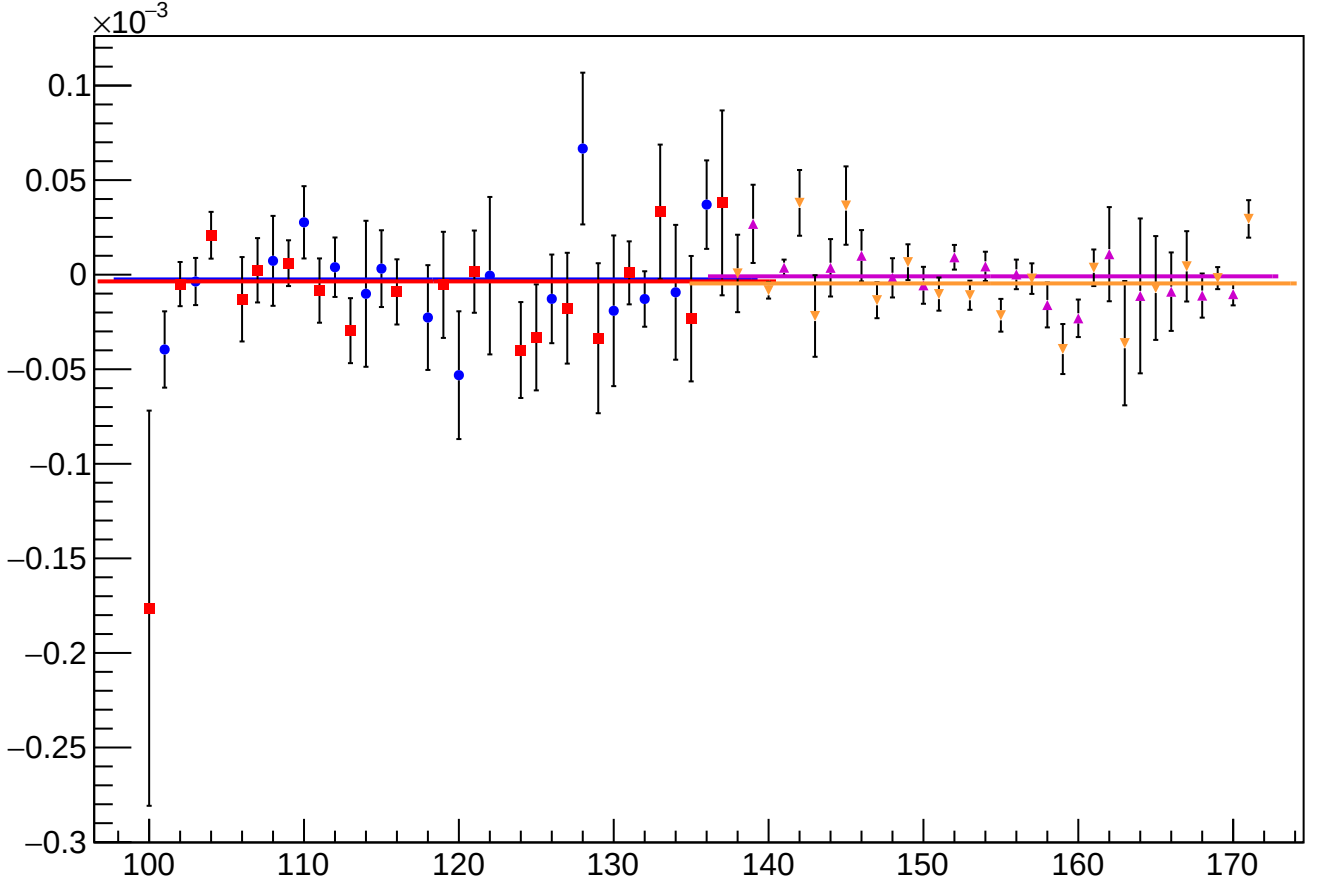
Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 294.029+/-0.059 χ^2/NDF:916324.6/15

+ sign 238.988+/-0.040 χ^2/NDF: 5408899.4/33

All: 237.974+/-0.028 χ^2/NDF: 10558525.9/68

- sign 236.922+/-0.041 χ^2/NDF: 5148306.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/17

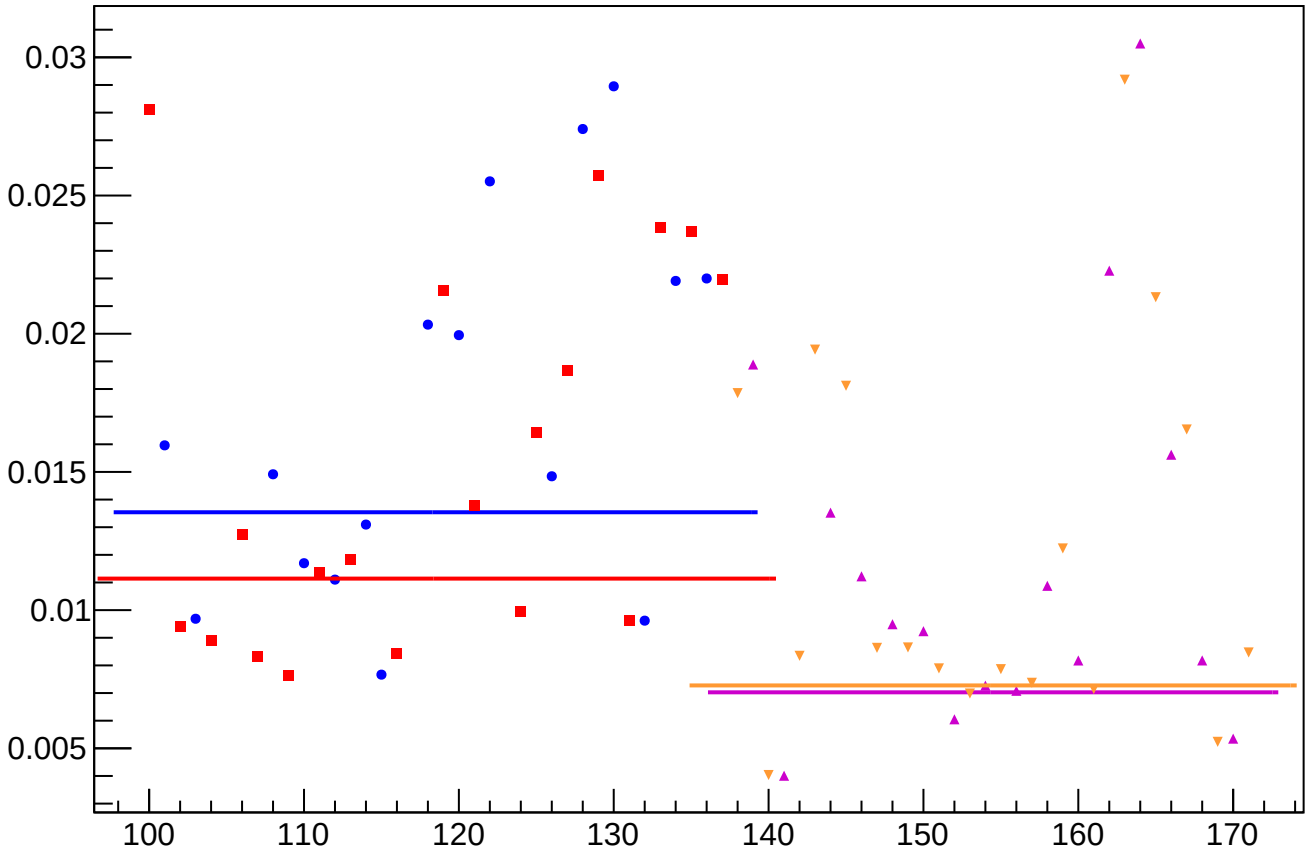
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/33

All: -0.000+/-0.000 χ^2/NDF: 90.1/68

- sign -0.000+/-0.000 χ^2/NDF: 33.7/34



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5380491.6/17

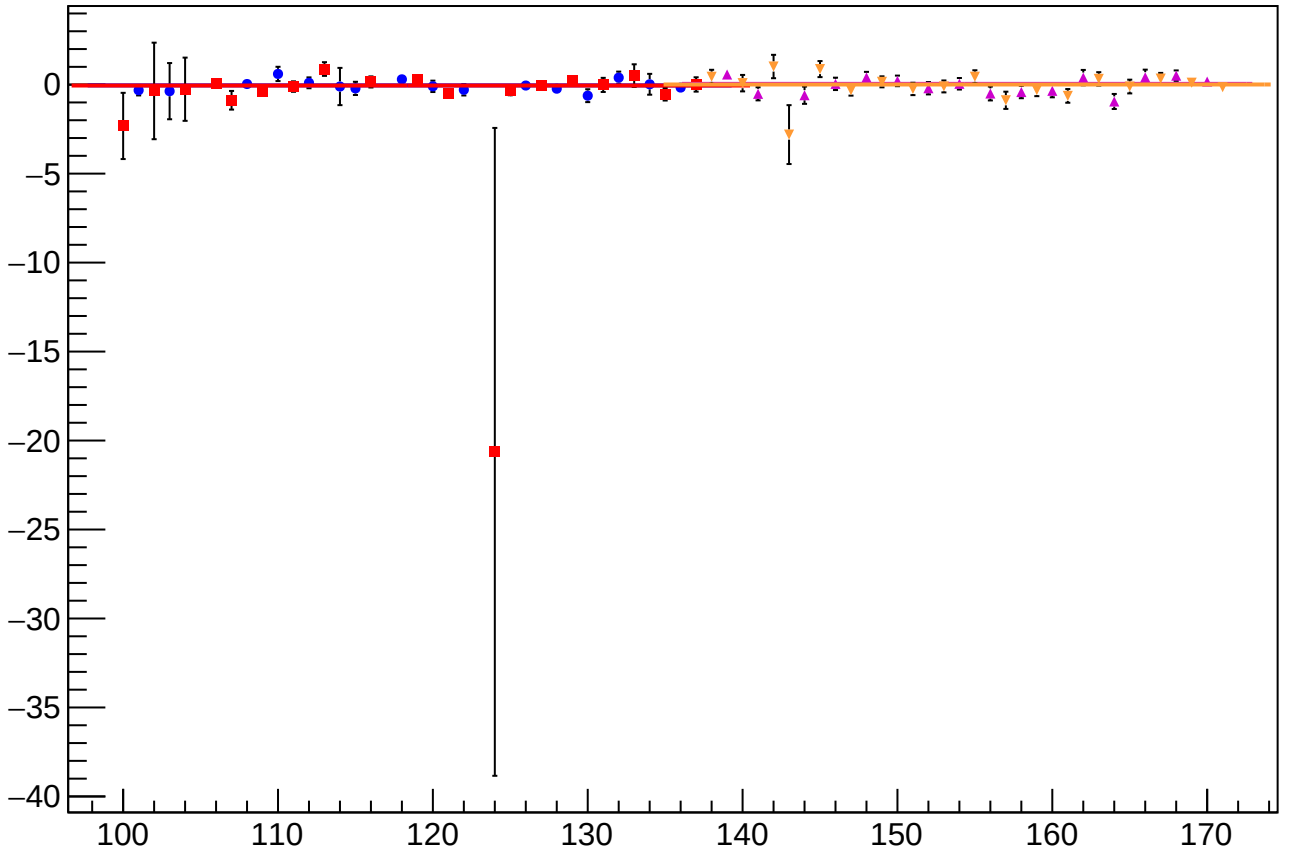
Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4646949.6/15

+ sign 0.008+/-0.000 χ^2/NDF: 9524585.3/33

All: 0.008+/-0.000 χ^2/NDF: 17442726.7/68

- sign 0.008+/-0.000 χ^2/NDF: 7894126.4/34



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.009+/-0.082 χ^2/NDF:23.1/17

Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

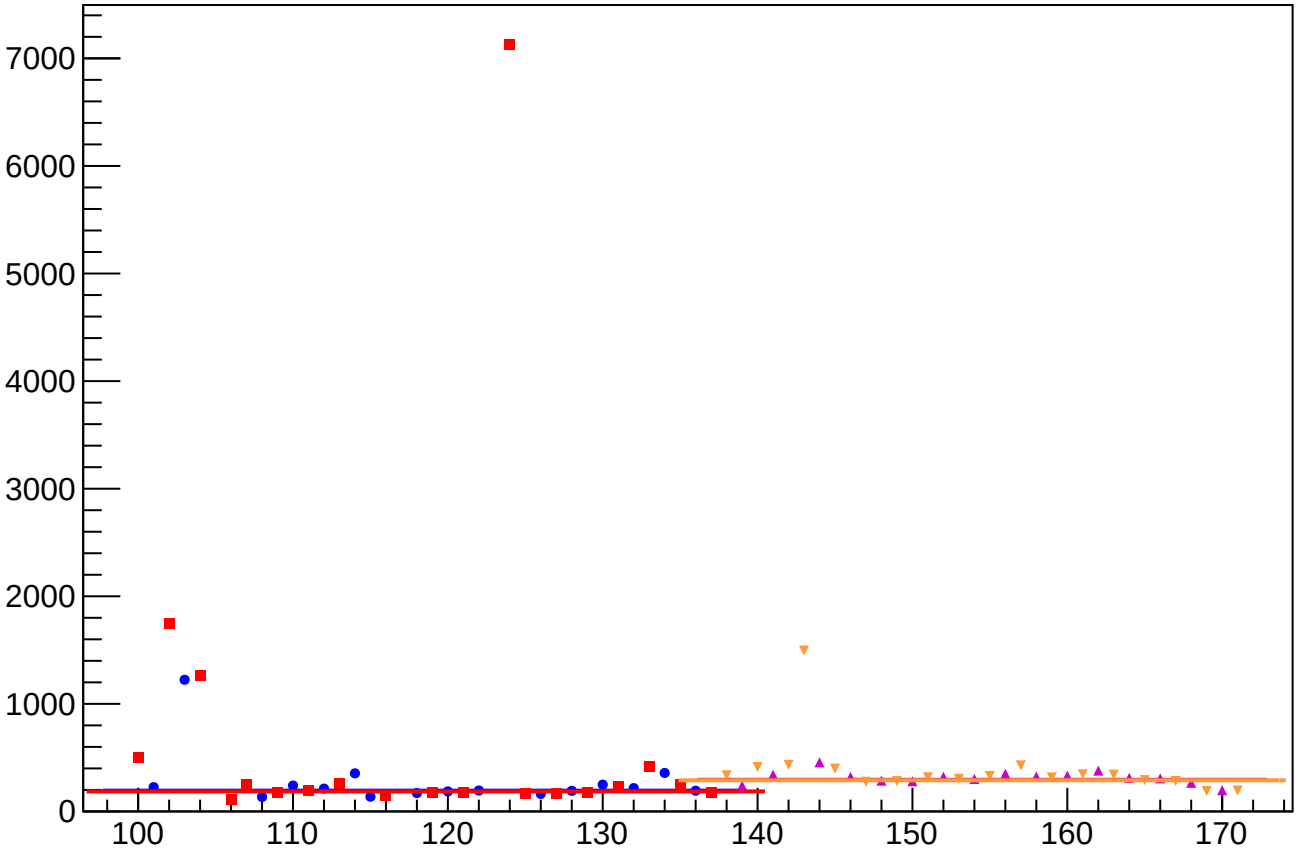
Left In: 0.043+/-0.084 χ^2/NDF:24.3/15

+ sign -0.017+/-0.056 χ^2/NDF: 35.0/33

All: -0.012+/-0.040 χ^2/NDF: 83.0/68

- sign -0.006+/-0.057 χ^2/NDF: 48.0/34

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: 289.496+/-0.058 χ^2/NDF:2544287.1/17

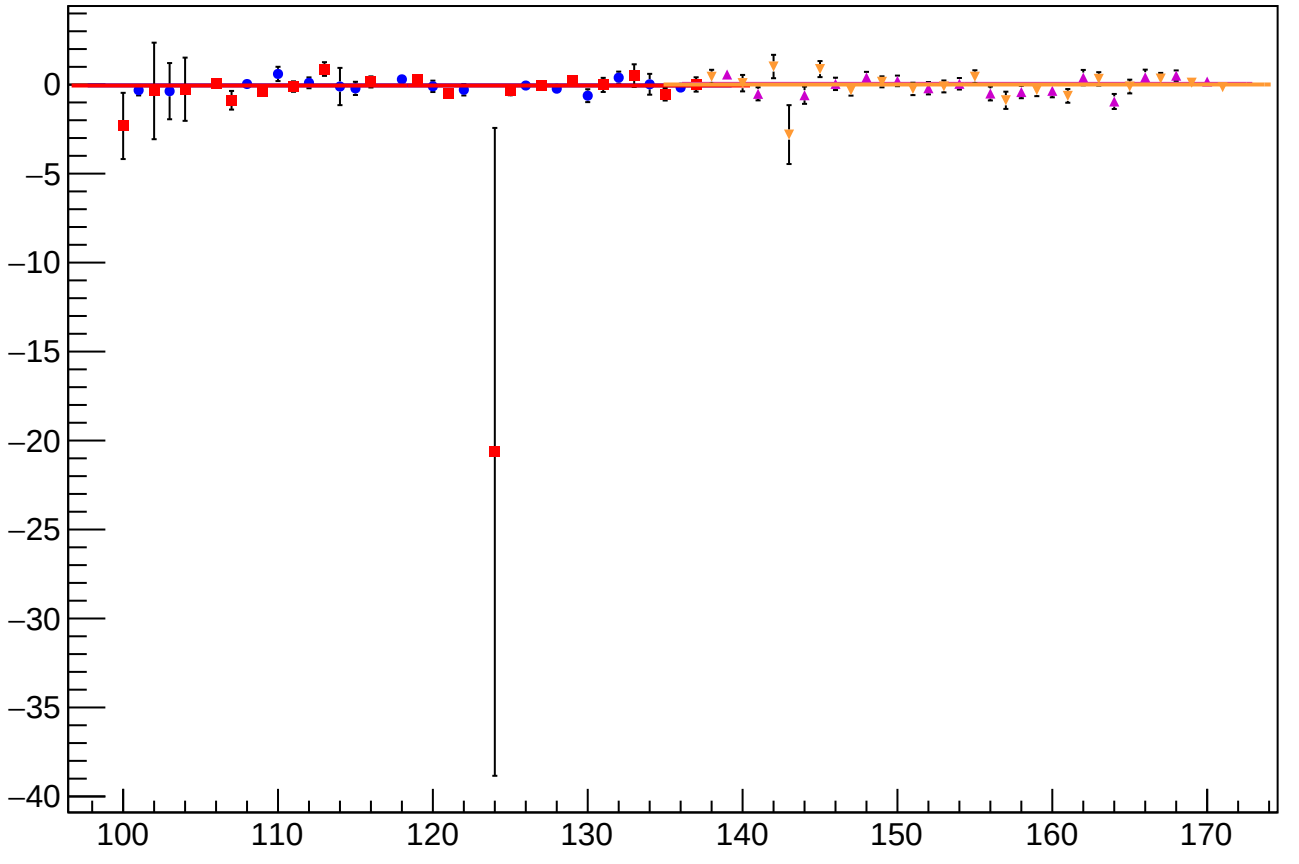
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 294.033+/-0.059 χ^2/NDF:916354.0/15

+ sign 238.987+/-0.040 χ^2/NDF: 5409079.6/33

All: 237.973+/-0.028 χ^2/NDF: 10558950.2/68

- sign 236.921+/-0.041 χ^2/NDF: 5148549.8/34



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.009+/-0.082 χ^2/NDF:23.1/17

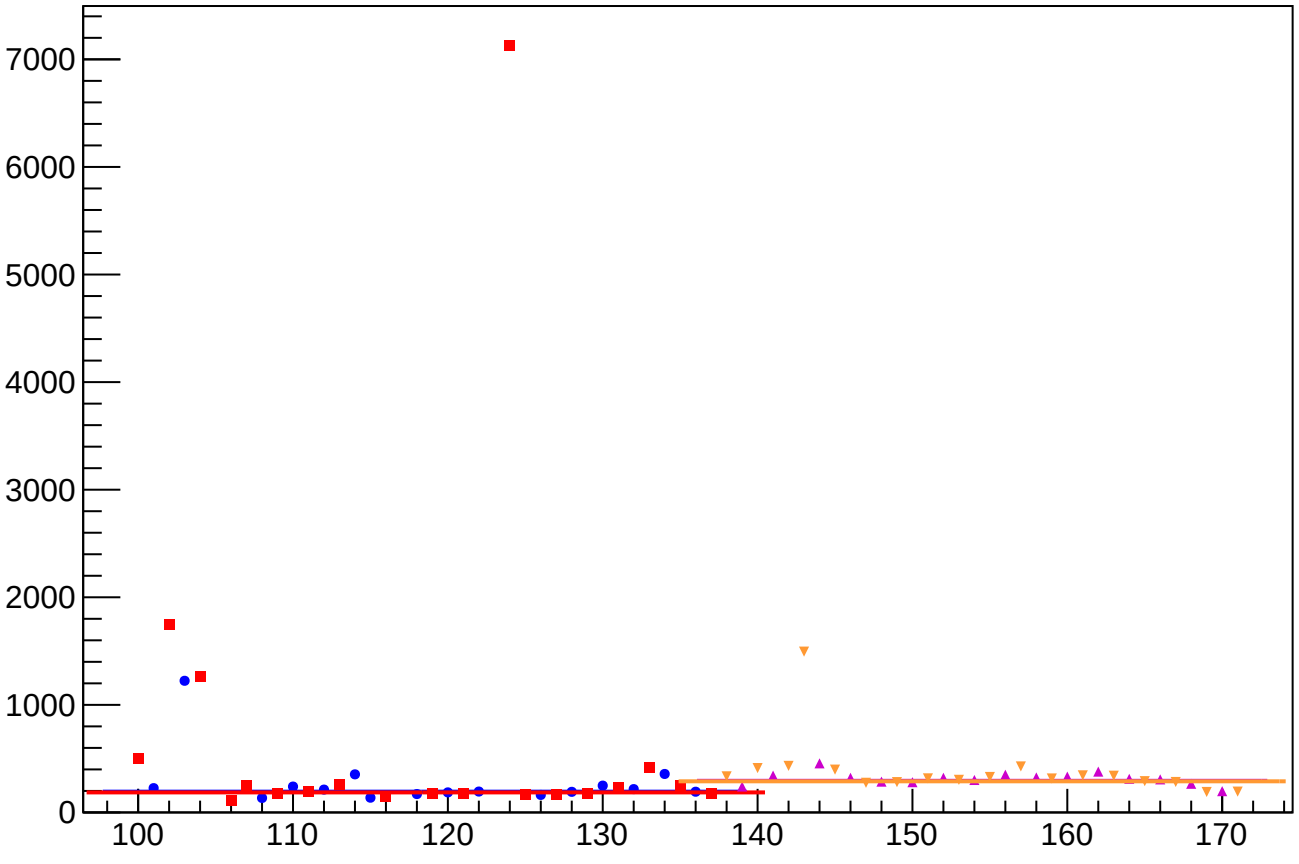
Right Out: -0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.043+/-0.084 χ^2/NDF:24.3/15

+ sign -0.017+/-0.056 χ^2/NDF: 35.0/33

All: -0.012+/-0.040 χ^2/NDF: 83.0/68

- sign -0.006+/-0.057 χ^2/NDF: 48.0/34



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 289.496+/-0.058 χ^2/NDF:2544287.1/17

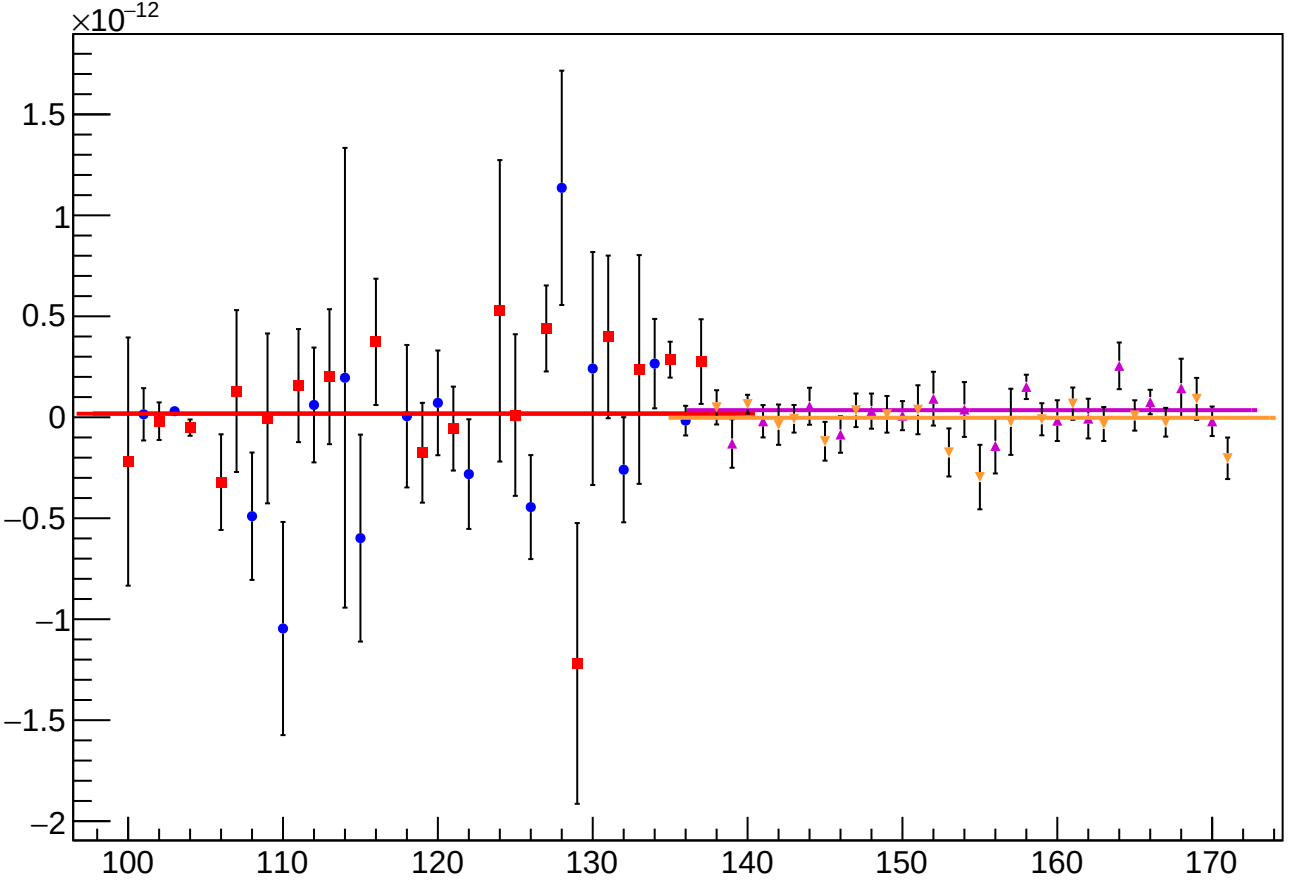
Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 294.033+/-0.059 χ^2/NDF:916354.0/15

+ sign 238.987+/-0.040 χ^2/NDF: 5409079.6/33

All: 237.973+/-0.028 χ^2/NDF: 10558950.2/68

- sign 236.921+/-0.041 χ^2/NDF: 5148549.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/17

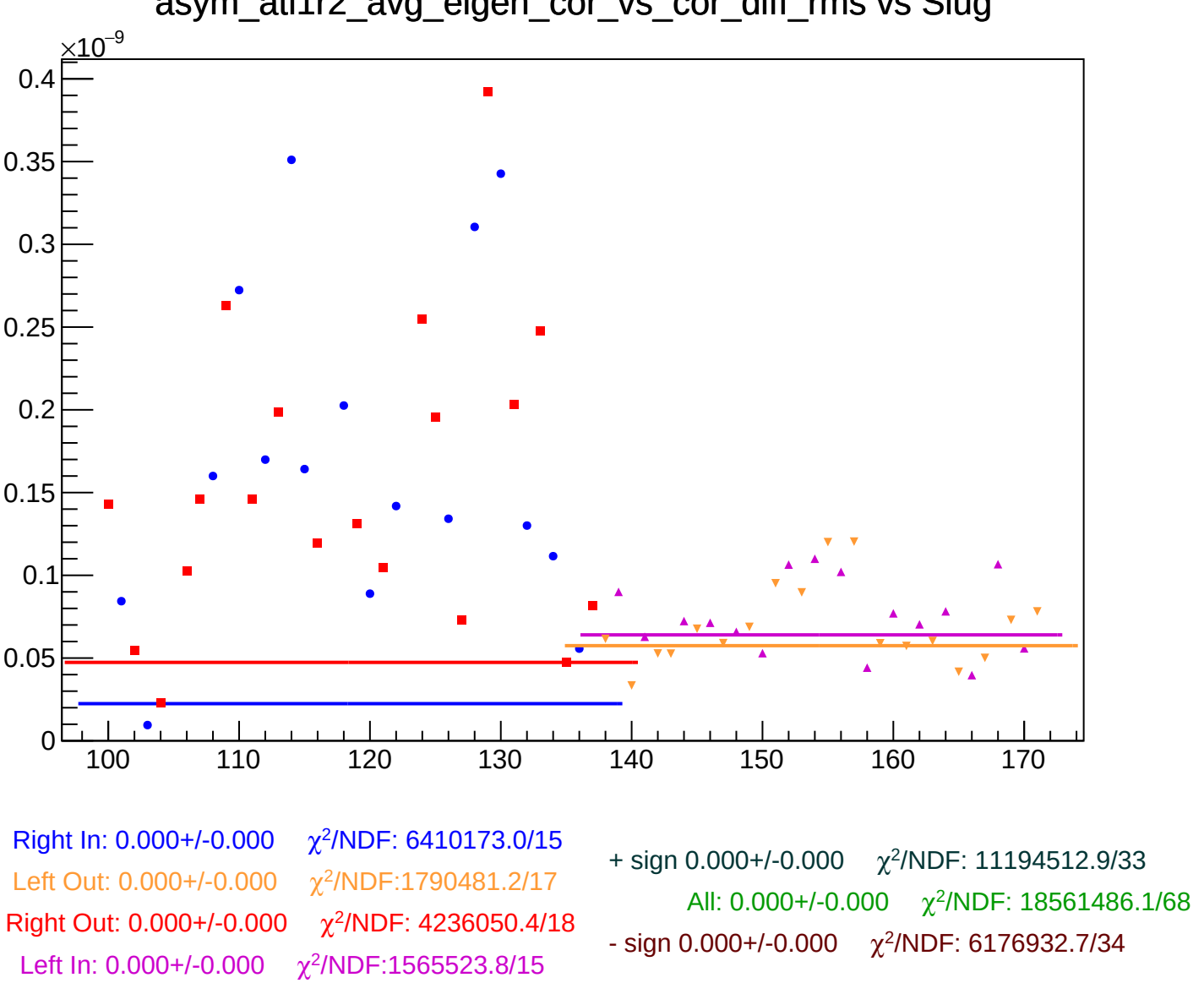
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/15

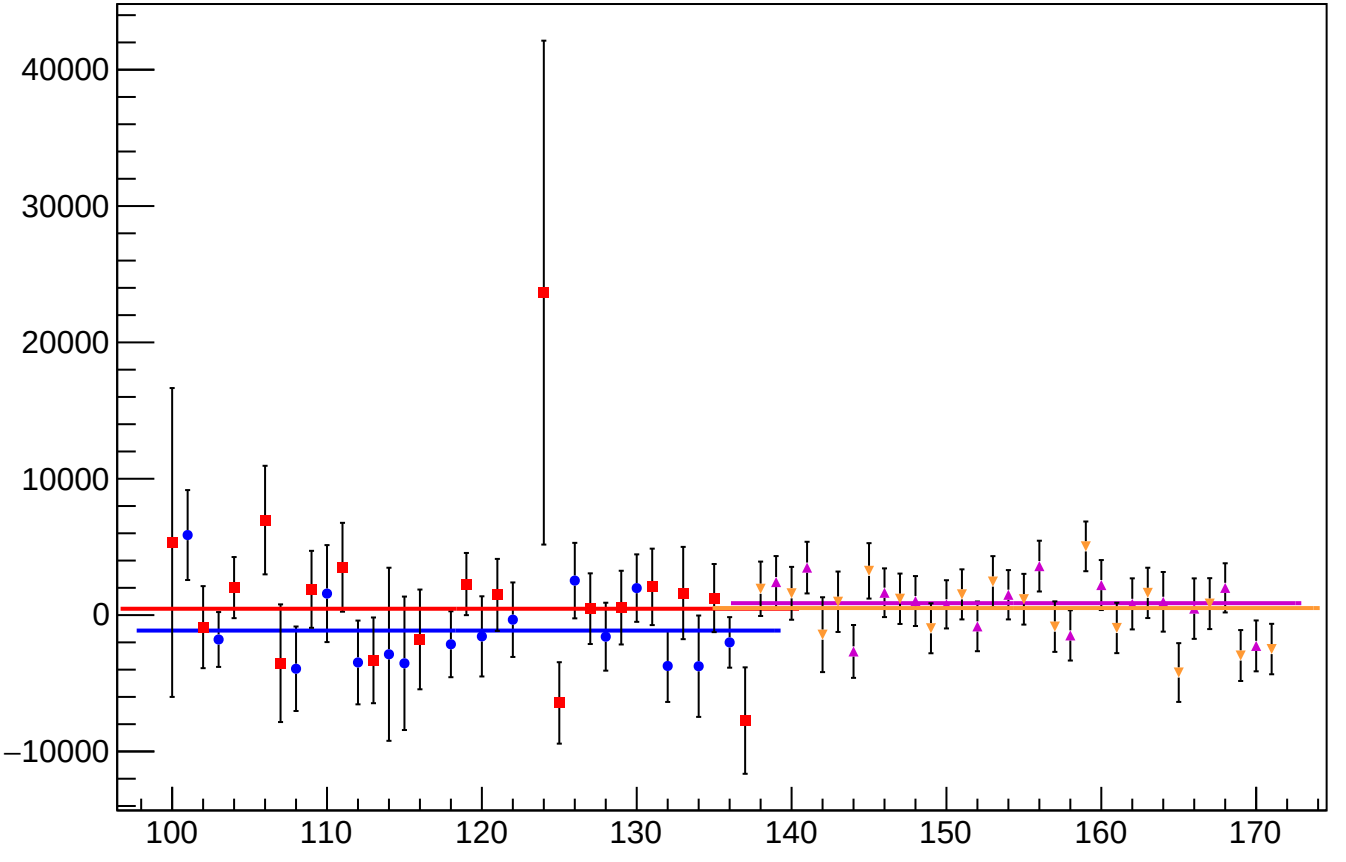
+ sign 0.000+/-0.000 χ^2/NDF: 35.5/33

All: 0.000+/-0.000 χ^2/NDF: 79.2/68

- sign 0.000+/-0.000 χ^2/NDF: 42.8/34


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1790481.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1565523.8/15
+ sign 0.000+/-0.000 χ²/NDF: 11194512.9/33
All: 0.000+/-0.000 χ²/NDF: 18561486.1/68
- sign 0.000+/-0.000 χ²/NDF: 6176932.7/34

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.410+/-455.538 χ^2/NDF:24.1/17

Right Out: 465.519+/-705.926 χ^2/NDF: 20.0/18

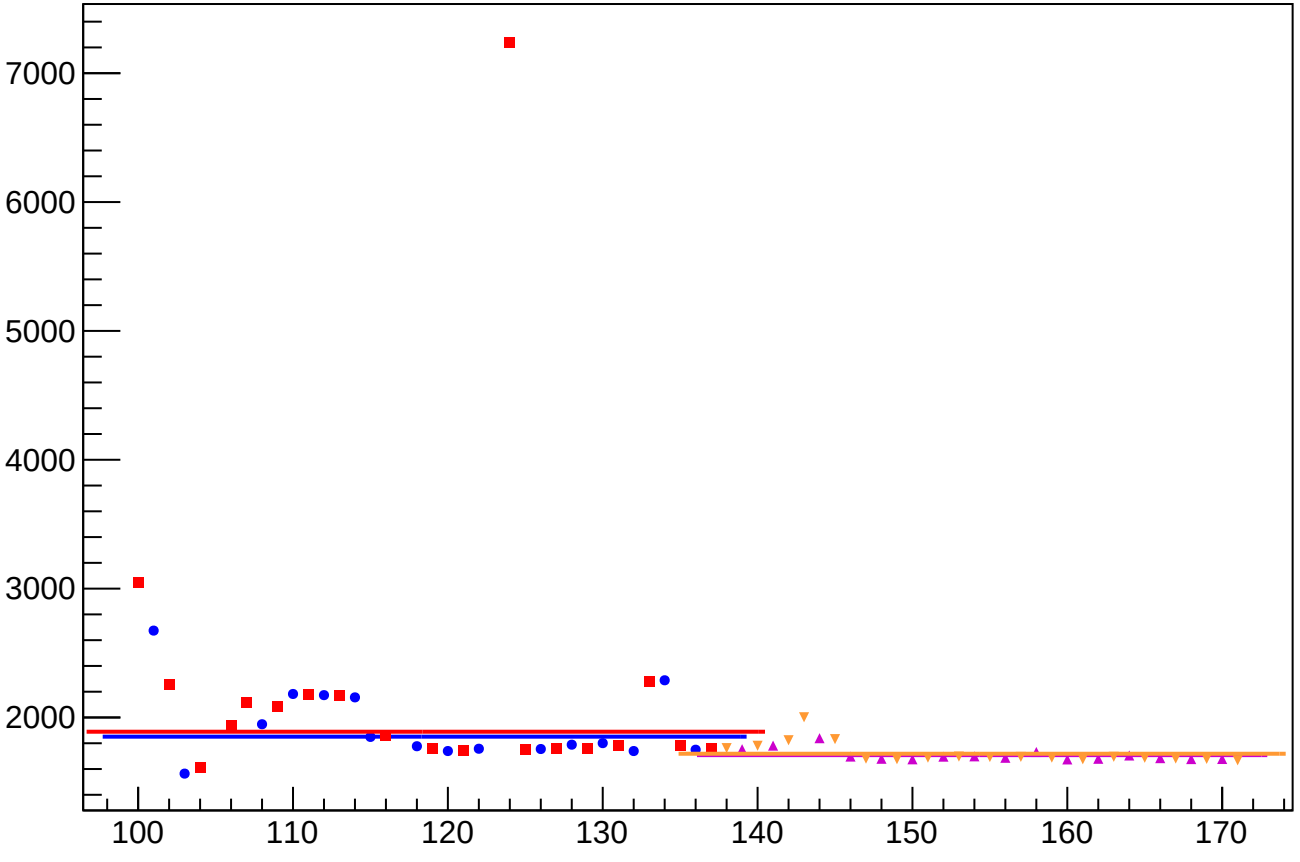
Left In: 875.487+/-469.832 χ^2/NDF:14.6/15

+ sign 19.036+/-380.790 χ^2/NDF: 40.3/33

All: 374.556+/-272.840 χ^2/NDF: 76.9/68

- sign 749.634+/-391.124 χ^2/NDF: 34.9/34

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1718.576+/-0.322 χ^2/NDF:53879.7/17

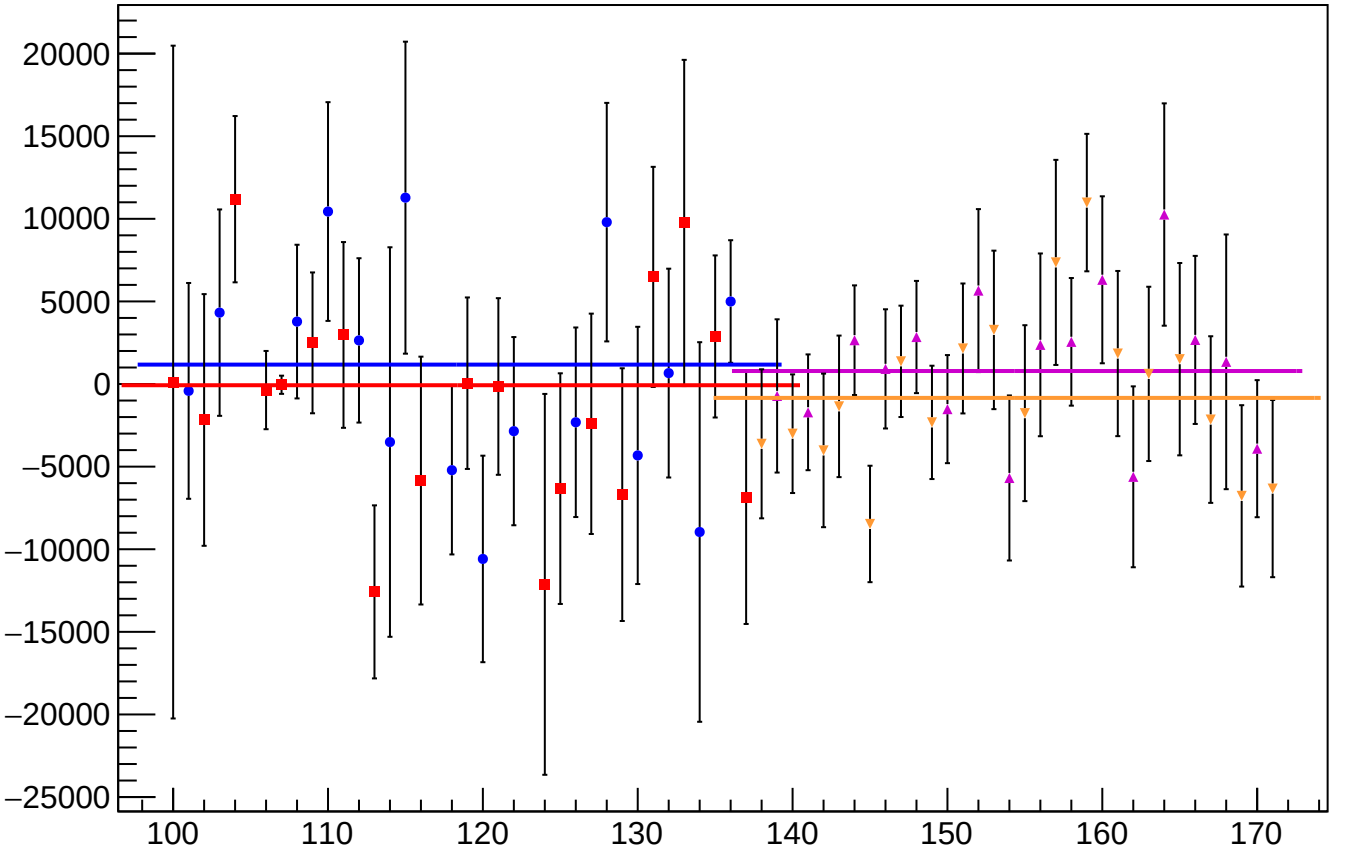
Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

+ sign 1758.508+/-0.269 χ^2/NDF: 364875.7/33

All: 1761.080+/-0.193 χ^2/NDF: 833846.9/68

- sign 1763.790+/-0.276 χ^2/NDF: 468783.8/34



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -839.641+/-1042.009 χ^2/NDF:20.5/17

Right Out: -72.681+/-505.693 χ^2/NDF: 17.9/18

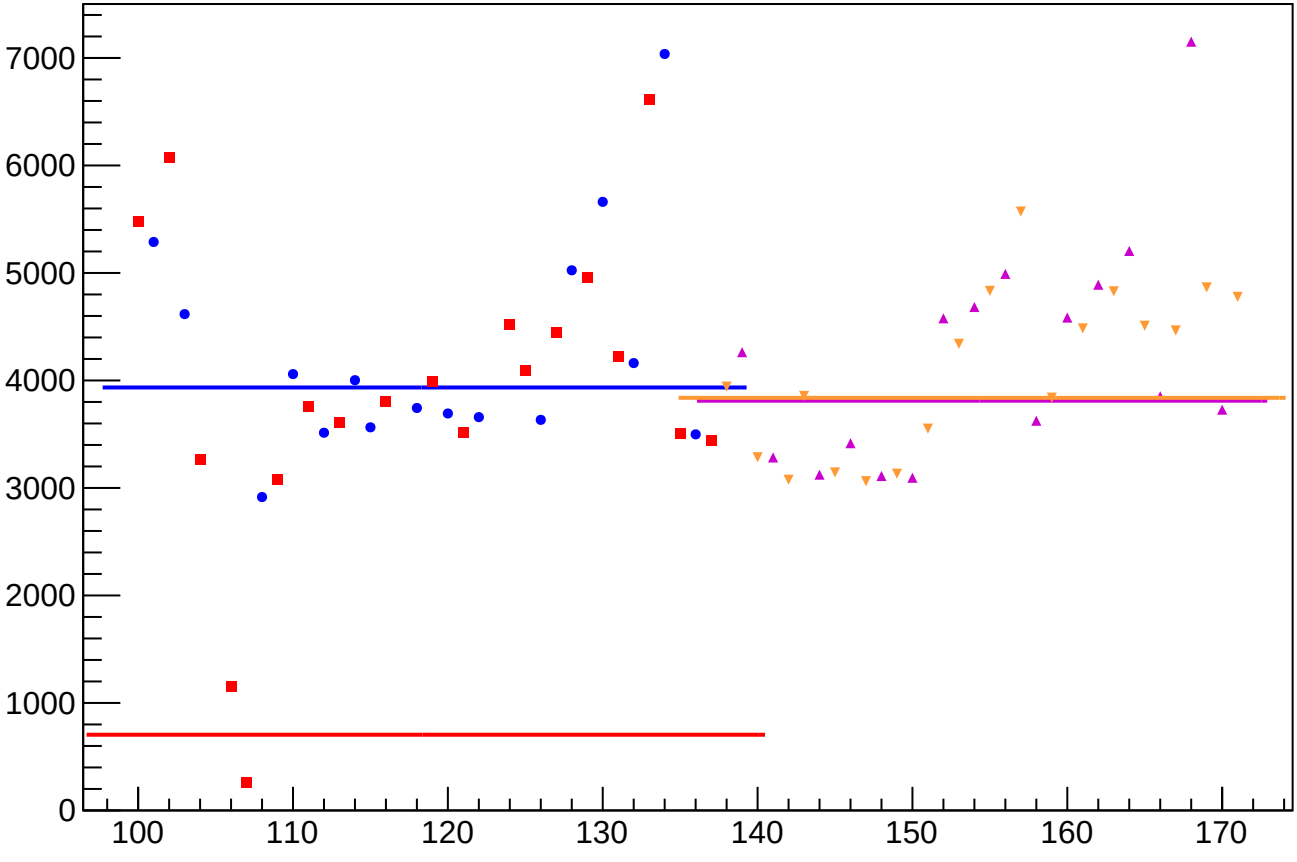
Left In: 787.809+/-1075.328 χ^2/NDF:10.7/15

+ sign -184.998+/-856.178 χ^2/NDF: 35.4/33

All: 23.571+/-403.586 χ^2/NDF: 64.7/68

- sign 83.155+/-457.617 χ^2/NDF: 29.2/34

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3838.497+/-0.737 χ^2/NDF:921708.5/17

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

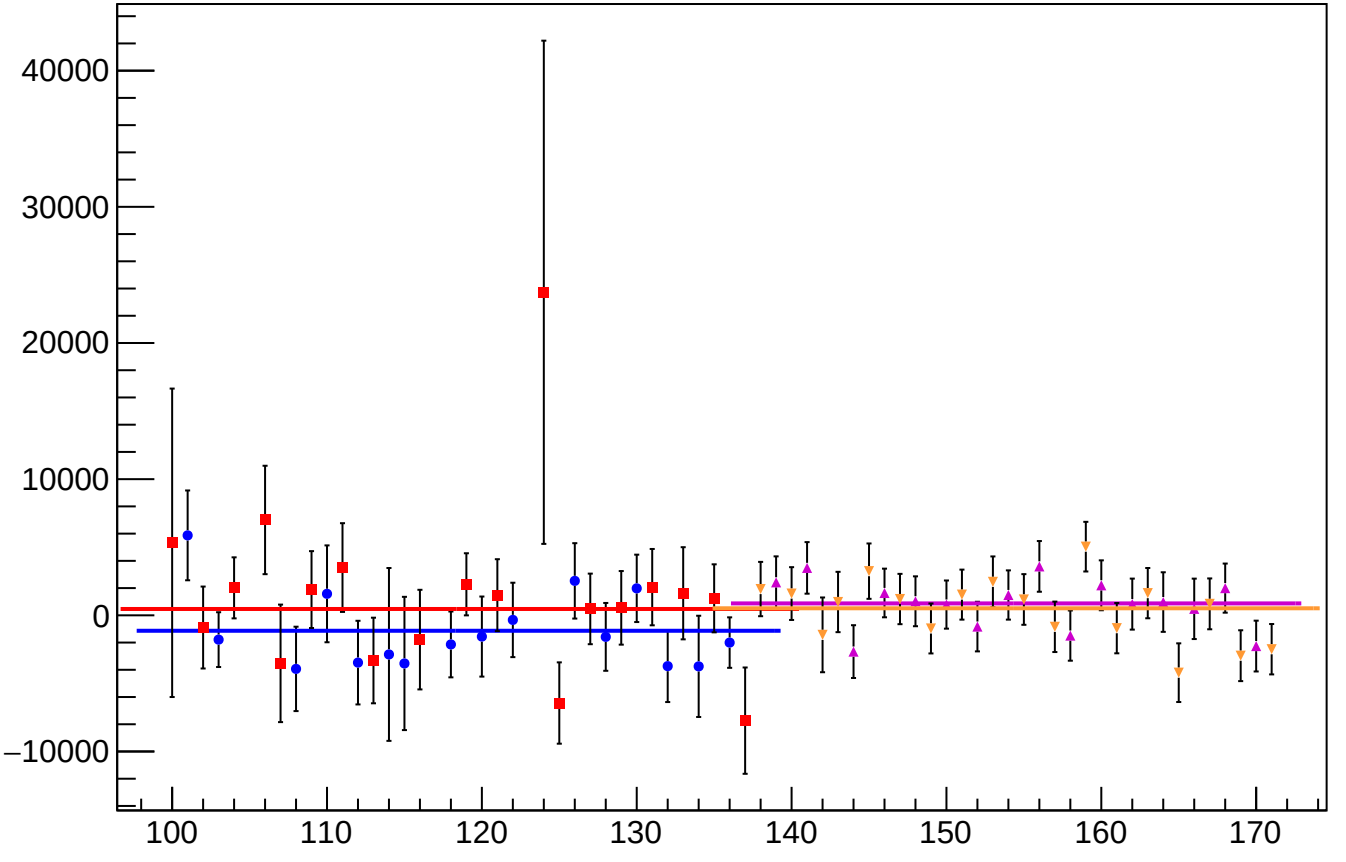
Left In: 3811.735+/-0.760 χ^2/NDF:1146818.9/15

+ sign 3869.756+/-0.605 χ^2/NDF: 1487374.5/33

All: 1845.434+/-0.285 χ^2/NDF: 41303324.0/6

- sign 1267.132+/-0.324 χ^2/NDF: 25441445.6/34

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.513+/-455.538 χ^2/NDF:24.1/17

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

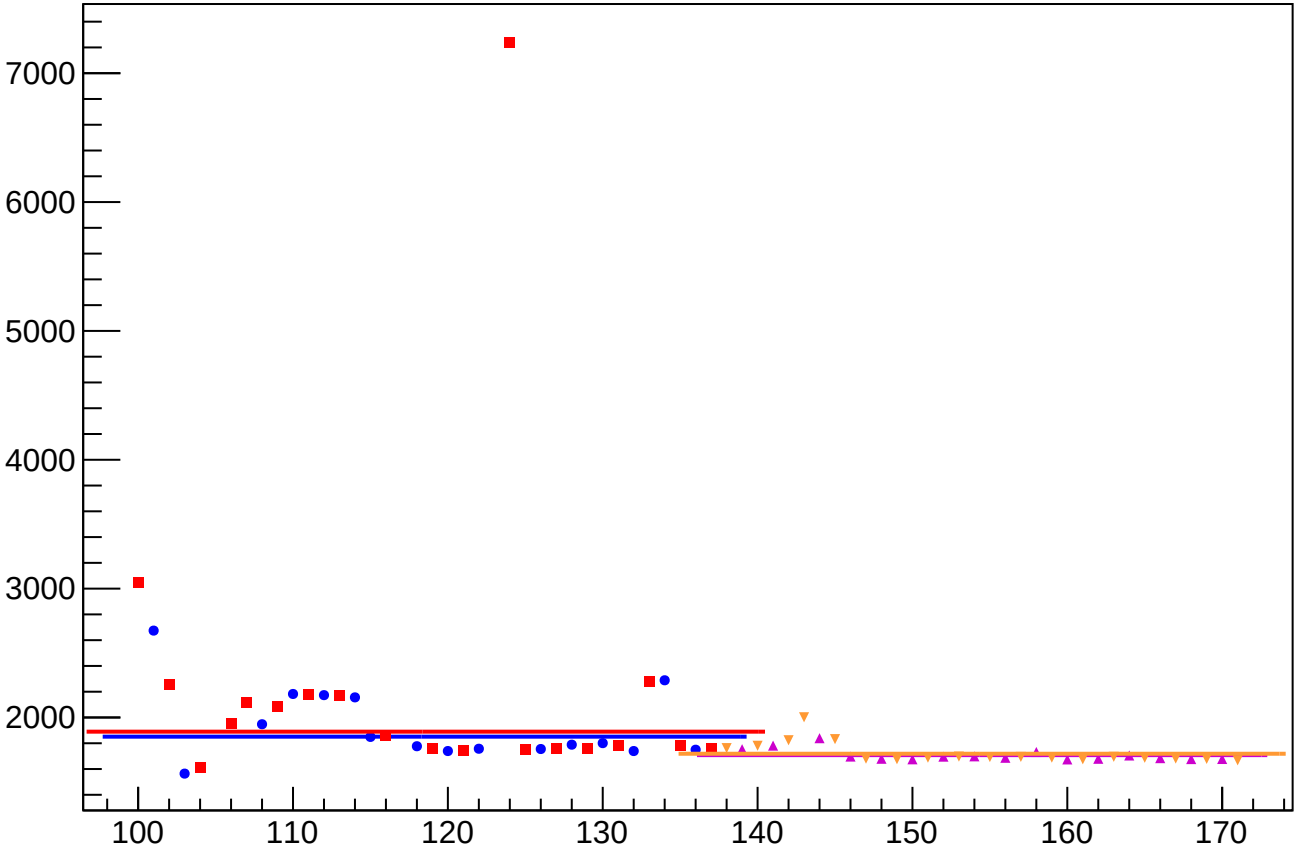
Left In: 875.425+/-469.832 χ^2/NDF:14.6/15

+ sign 19.236+/-380.790 χ^2/NDF: 40.3/33

All: 374.694+/-272.840 χ^2/NDF: 77.0/68

- sign 749.709+/-391.125 χ^2/NDF: 34.9/34

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1718.576+/-0.322 χ^2/NDF:53879.7/17

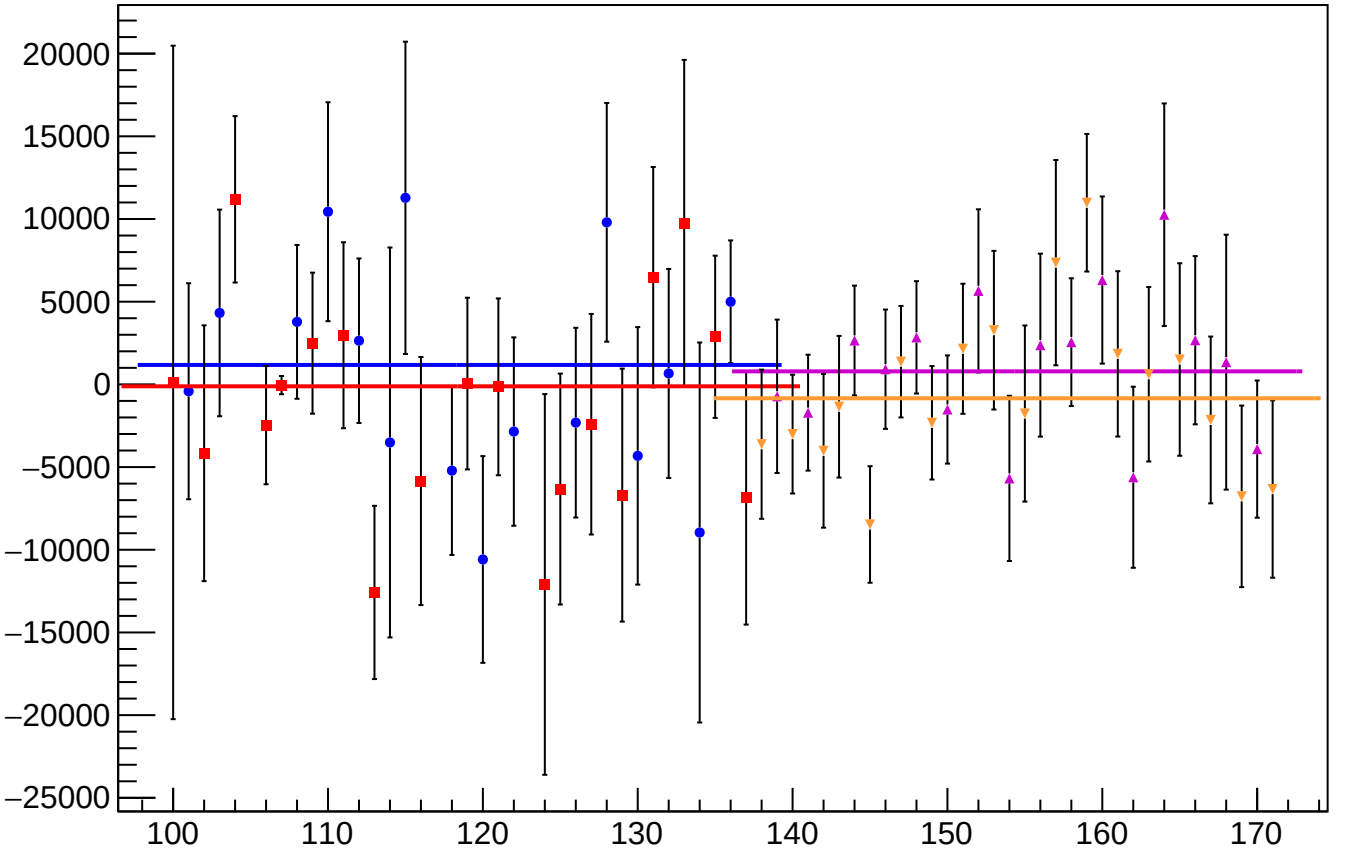
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

+ sign 1758.508+/-0.269 χ^2/NDF: 364875.1/33

All: 1761.140+/-0.193 χ^2/NDF: 834511.0/68

- sign 1763.914+/-0.276 χ^2/NDF: 469439.7/34



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -839.629+/-1042.007 χ^2/NDF:20.5/17

Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

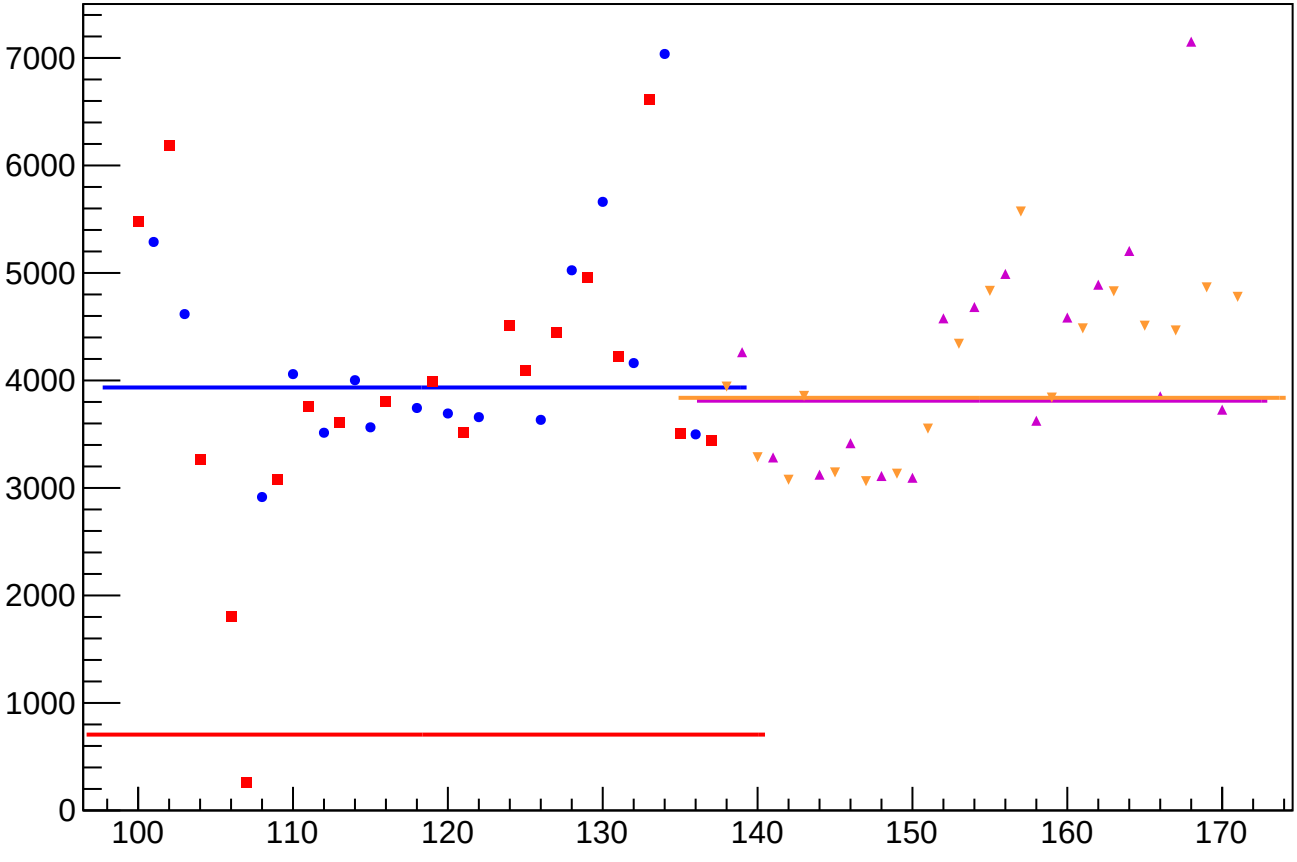
Left In: 787.817+/-1075.327 χ^2/NDF:10.7/15

+ sign -185.003+/-856.178 χ^2/NDF: 35.4/33

All: -2.112+/-406.915 χ^2/NDF: 65.4/68

- sign 51.254+/-462.487 χ^2/NDF: 29.8/34

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3838.486+/-0.737 χ^2/NDF:921716.2/17

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

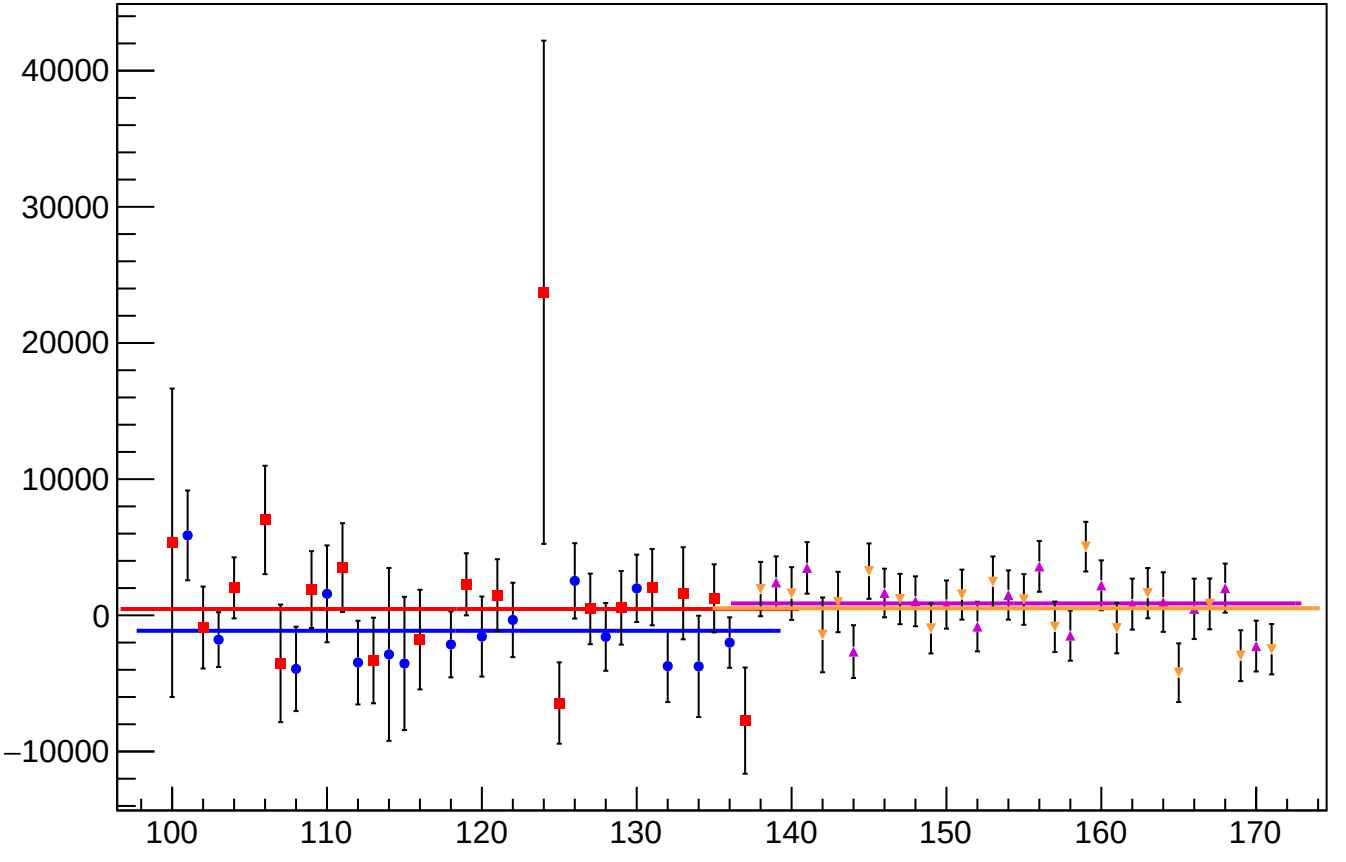
Left In: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

+ sign 3869.752+/-0.605 χ^2/NDF: 1487408.8/33

All: 1865.116+/-0.288 χ^2/NDF: 41145198.8/6

- sign 1280.181+/-0.327 χ^2/NDF: 25494459.7/34

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.513+/-455.538 χ^2/NDF:24.1/17

Right Out: 465.899+/-705.928 χ^2/NDF: 20.0/18

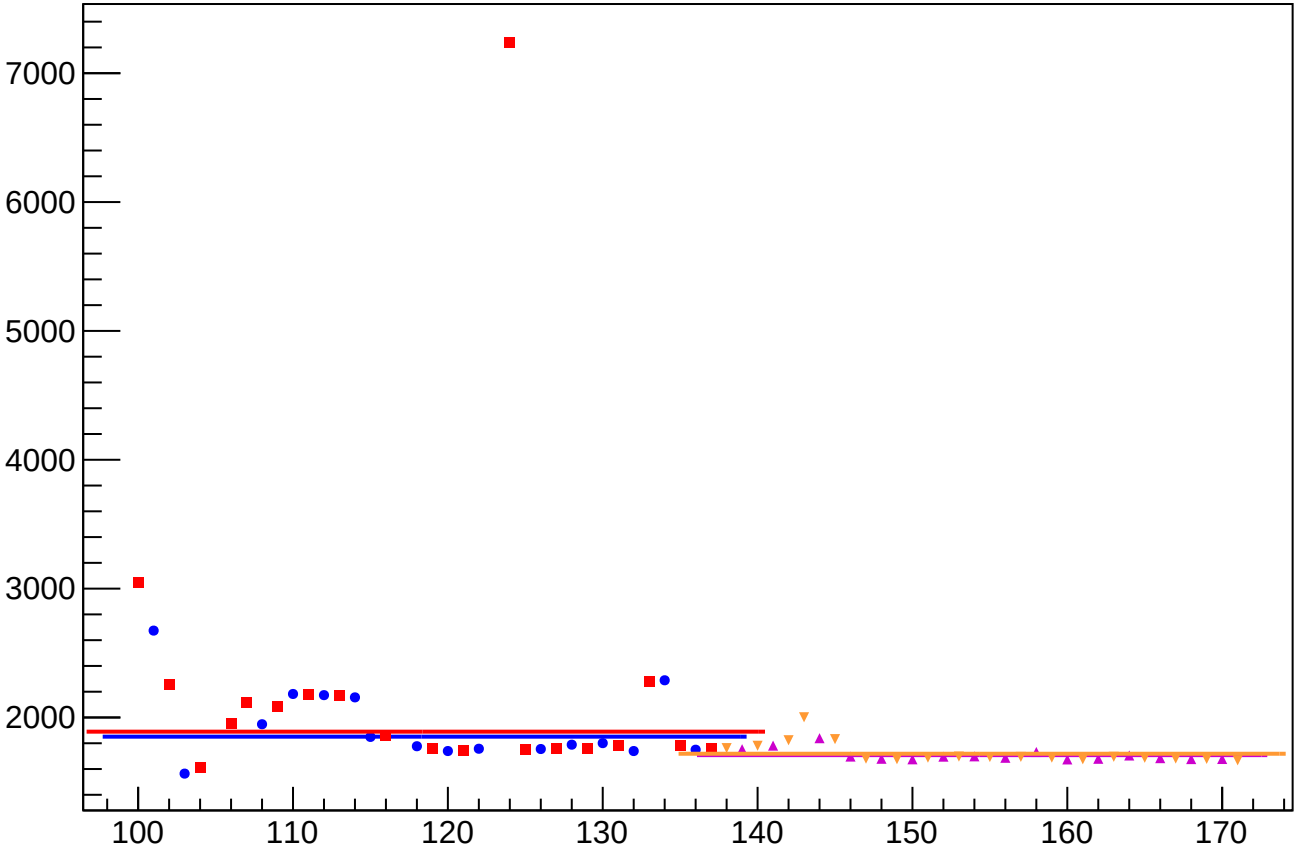
Left In: 875.425+/-469.832 χ^2/NDF:14.6/15

+ sign 19.236+/-380.790 χ^2/NDF: 40.3/33

All: 374.694+/-272.840 χ^2/NDF: 77.0/68

- sign 749.709+/-391.125 χ^2/NDF: 34.9/34

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1718.576+/-0.322 χ^2/NDF:53879.7/17

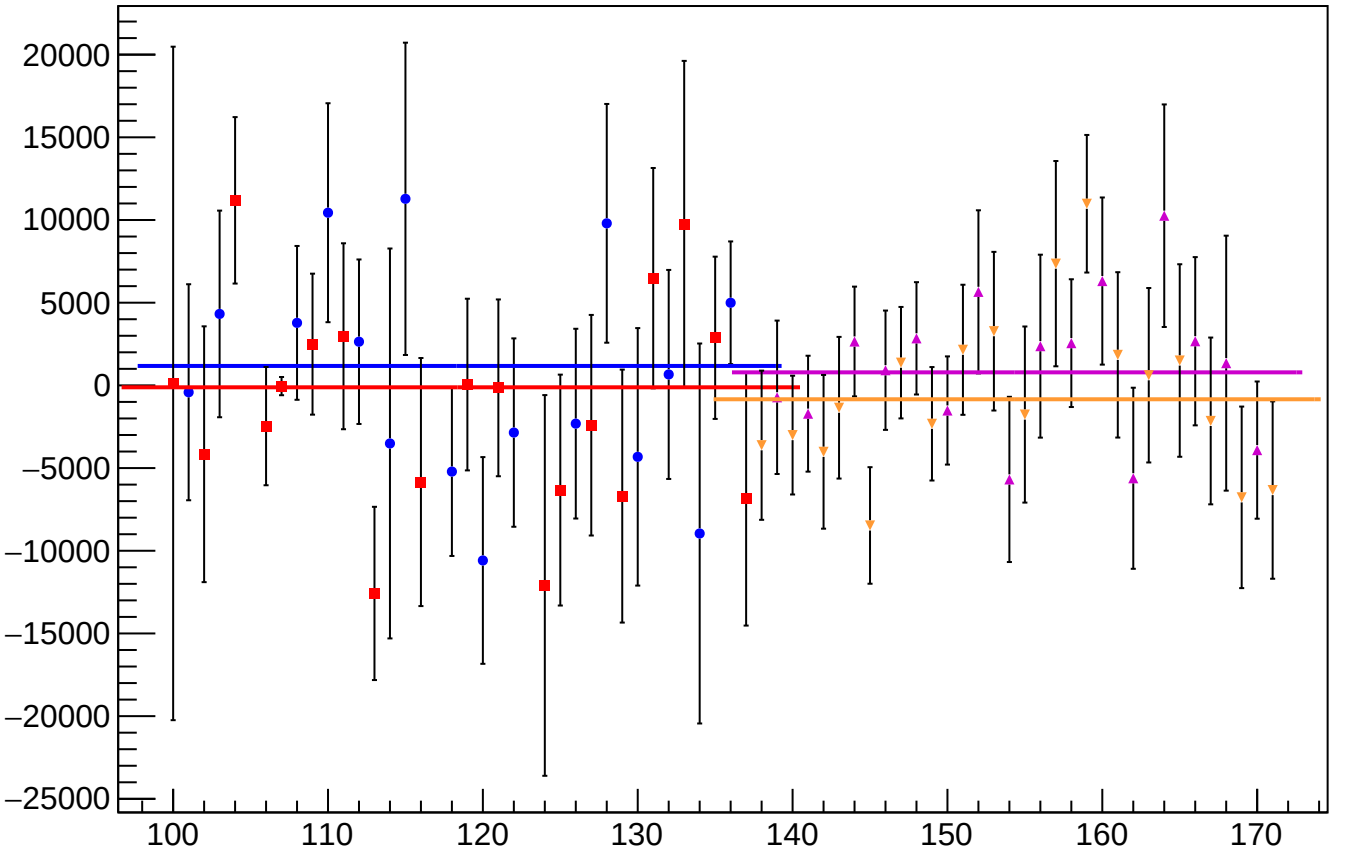
Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1707.834+/-0.332 χ^2/NDF:17766.4/15

+ sign 1758.508+/-0.269 χ^2/NDF: 364875.1/33

All: 1761.140+/-0.193 χ^2/NDF: 834511.0/68

- sign 1763.914+/-0.276 χ^2/NDF: 469439.7/34



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -839.629+/-1042.007 χ^2/NDF:20.5/17

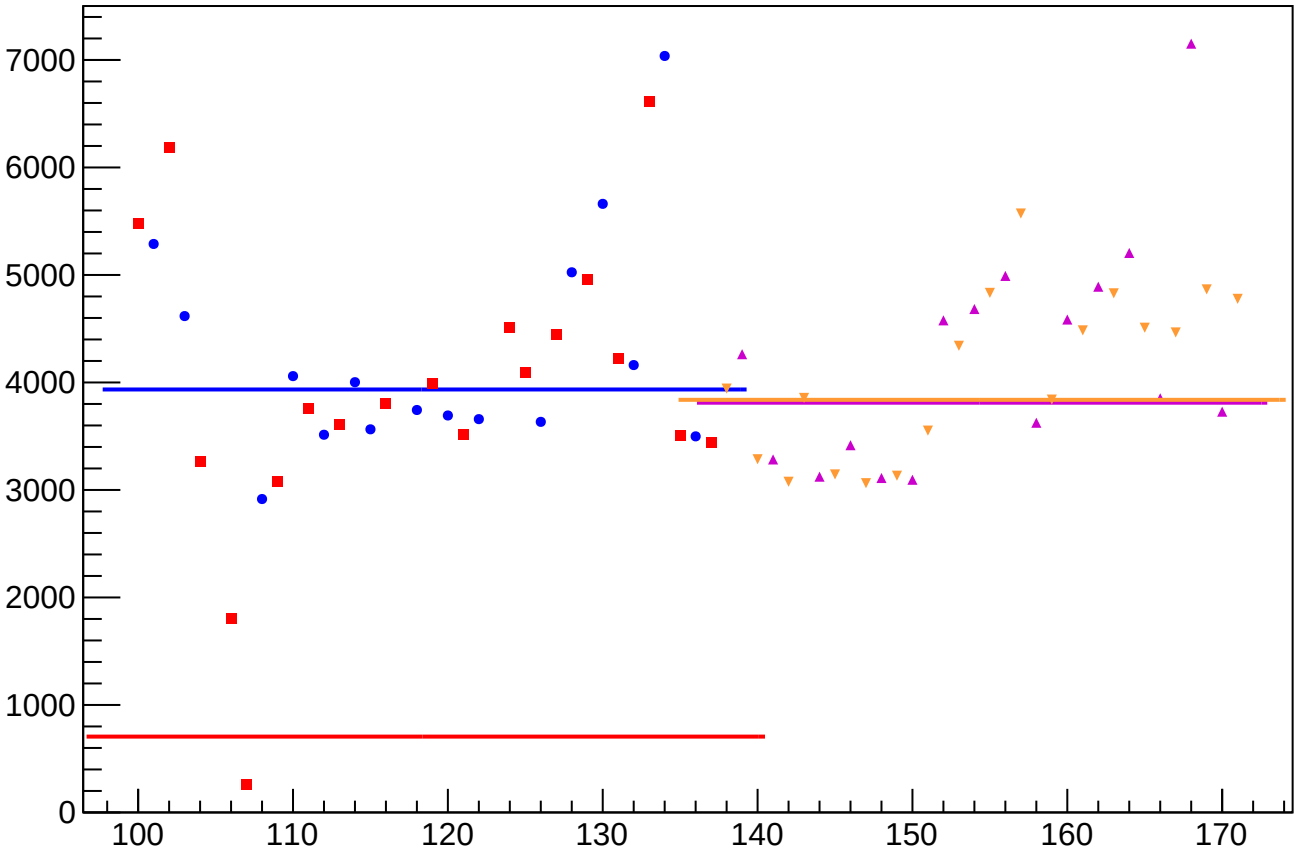
Right Out: -115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: 787.817+/-1075.327 χ^2/NDF:10.7/15

+ sign -185.003+/-856.178 χ^2/NDF: 35.4/33

All: -2.112+/-406.915 χ^2/NDF: 65.4/68

- sign 51.254+/-462.487 χ^2/NDF: 29.8/34



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3838.486+/-0.737 χ^2/NDF:921716.2/17

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

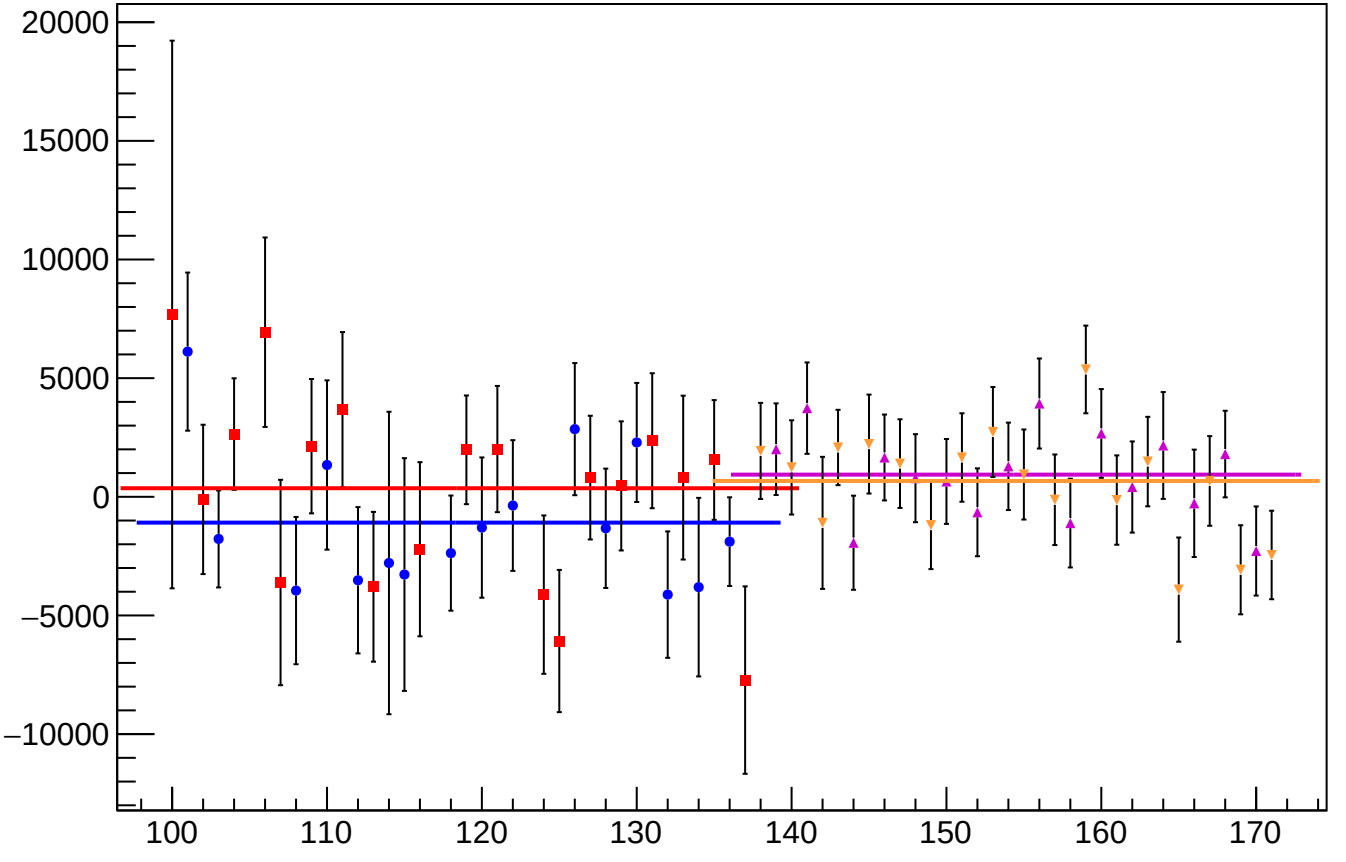
Left In: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

+ sign 3869.752+/-0.605 χ^2/NDF: 1487408.8/33

All: 1865.116+/-0.288 χ^2/NDF: 41145198.8/6

- sign 1280.181+/-0.327 χ^2/NDF: 25494459.7/34

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 667.472+/-453.397 χ^2/NDF:23.0/17

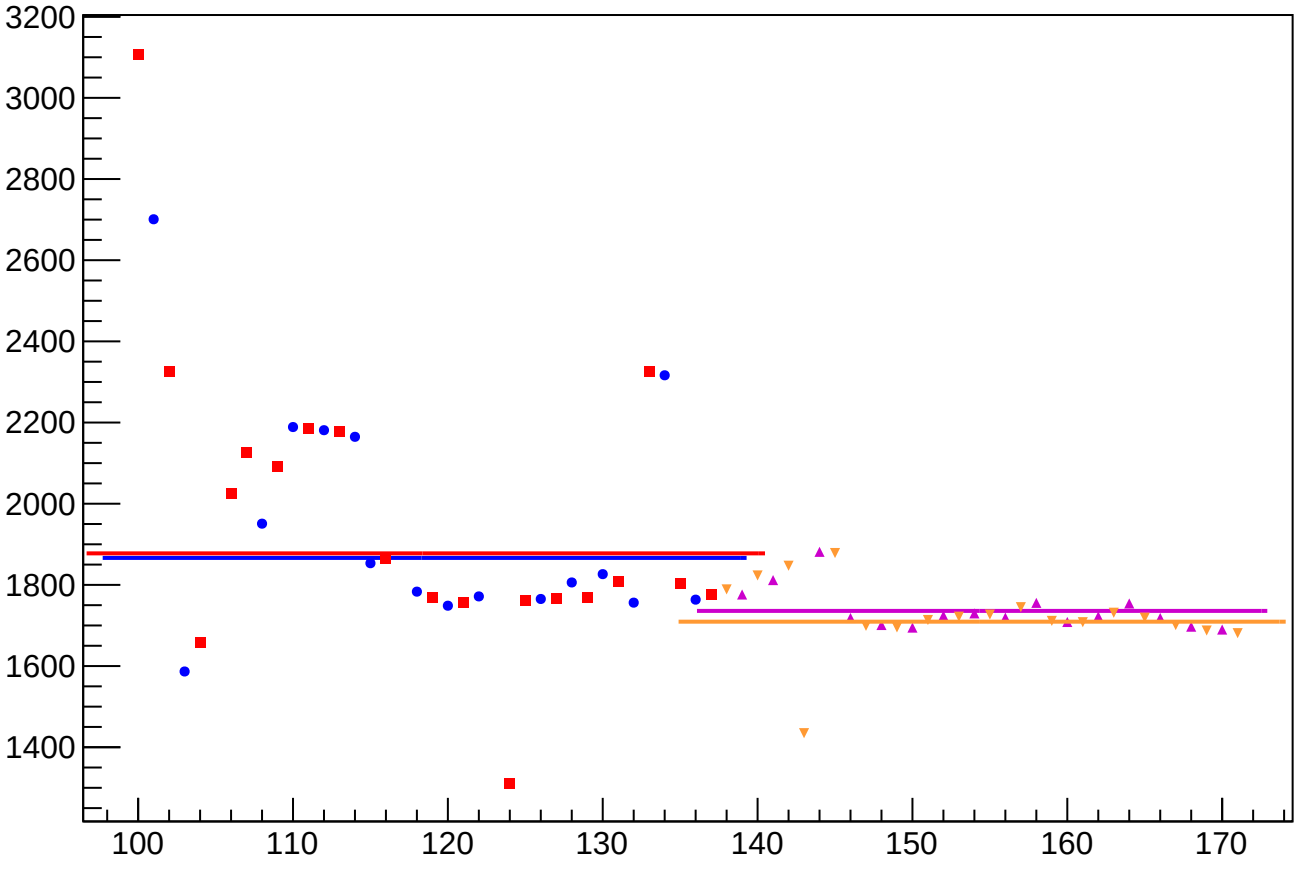
Right Out: 361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: 934.082+/-477.584 χ^2/NDF:13.8/15

+ sign 148.299+/-380.478 χ^2/NDF: 40.6/33

All: 439.268+/-273.845 χ^2/NDF: 77.0/68

- sign 752.003+/-394.452 χ^2/NDF: 35.1/34



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1709.355+/-0.321 χ^2/NDF:89843.2/17

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

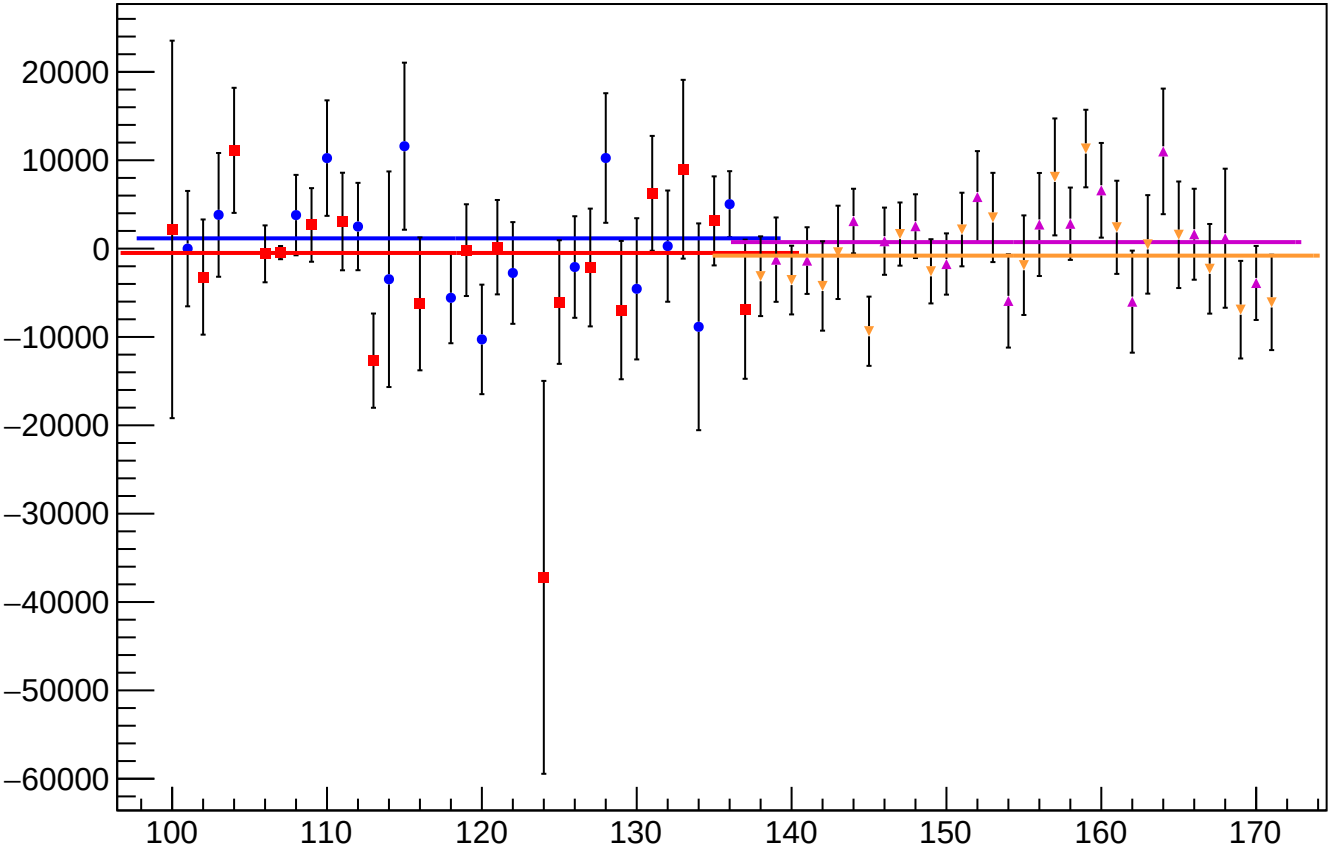
Left In: 1735.899+/-0.338 χ^2/NDF:20070.2/15

+ sign 1755.824+/-0.269 χ^2/NDF: 417131.3/33

All: 1767.965+/-0.194 χ^2/NDF: 749346.4/68

- sign 1781.006+/-0.279 χ^2/NDF: 327991.2/34

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -795.031+/-1108.380 χ^2/NDF:20.3/17

Right Out: -492.907+/-658.510 χ^2/NDF: 16.9/18

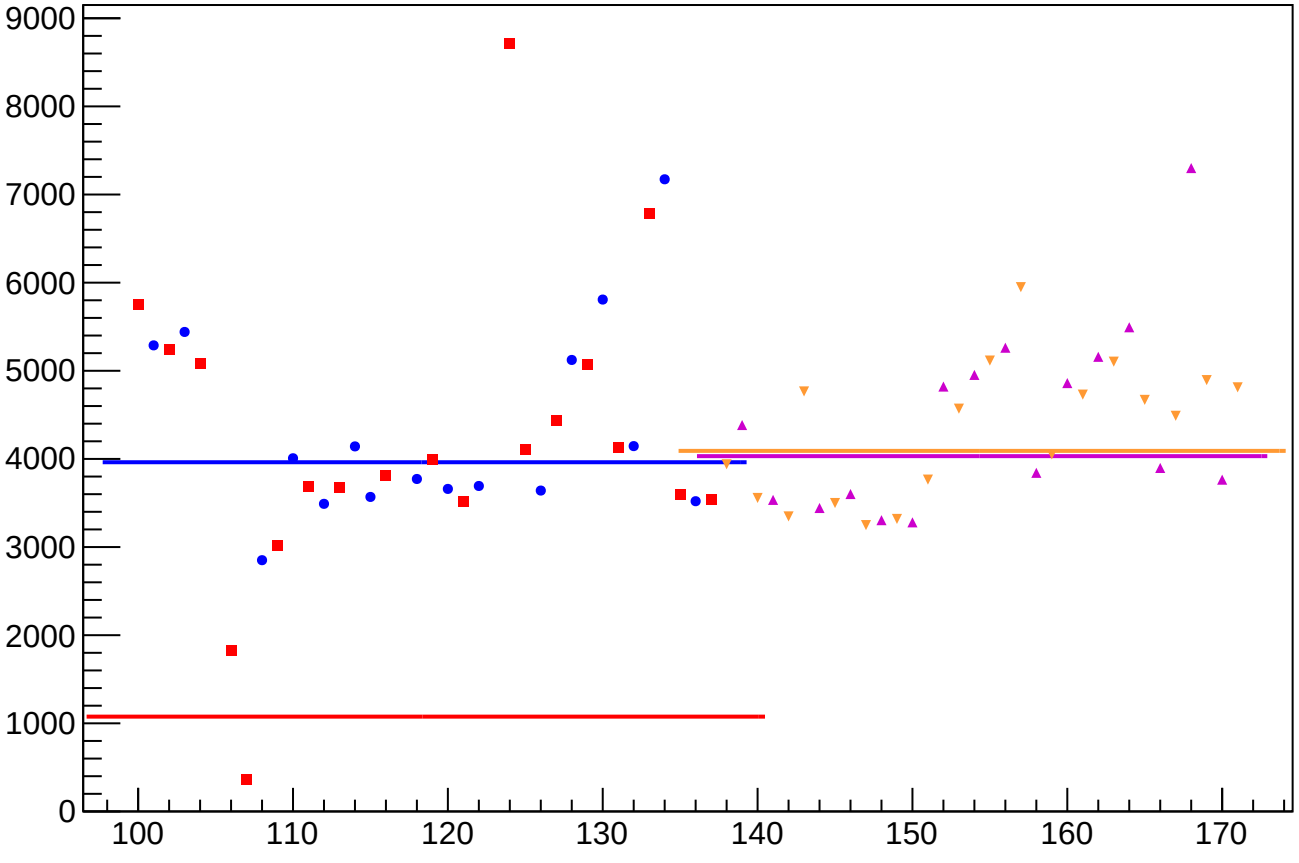
Left In: 735.430+/-1135.564 χ^2/NDF:10.5/15

+ sign -111.412+/-893.968 χ^2/NDF: 35.0/33

All: -162.888+/-480.411 χ^2/NDF: 63.3/68

- sign -183.791+/-569.657 χ^2/NDF: 28.3/34

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4091.310+/-0.784 χ^2/NDF:820821.7/17

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

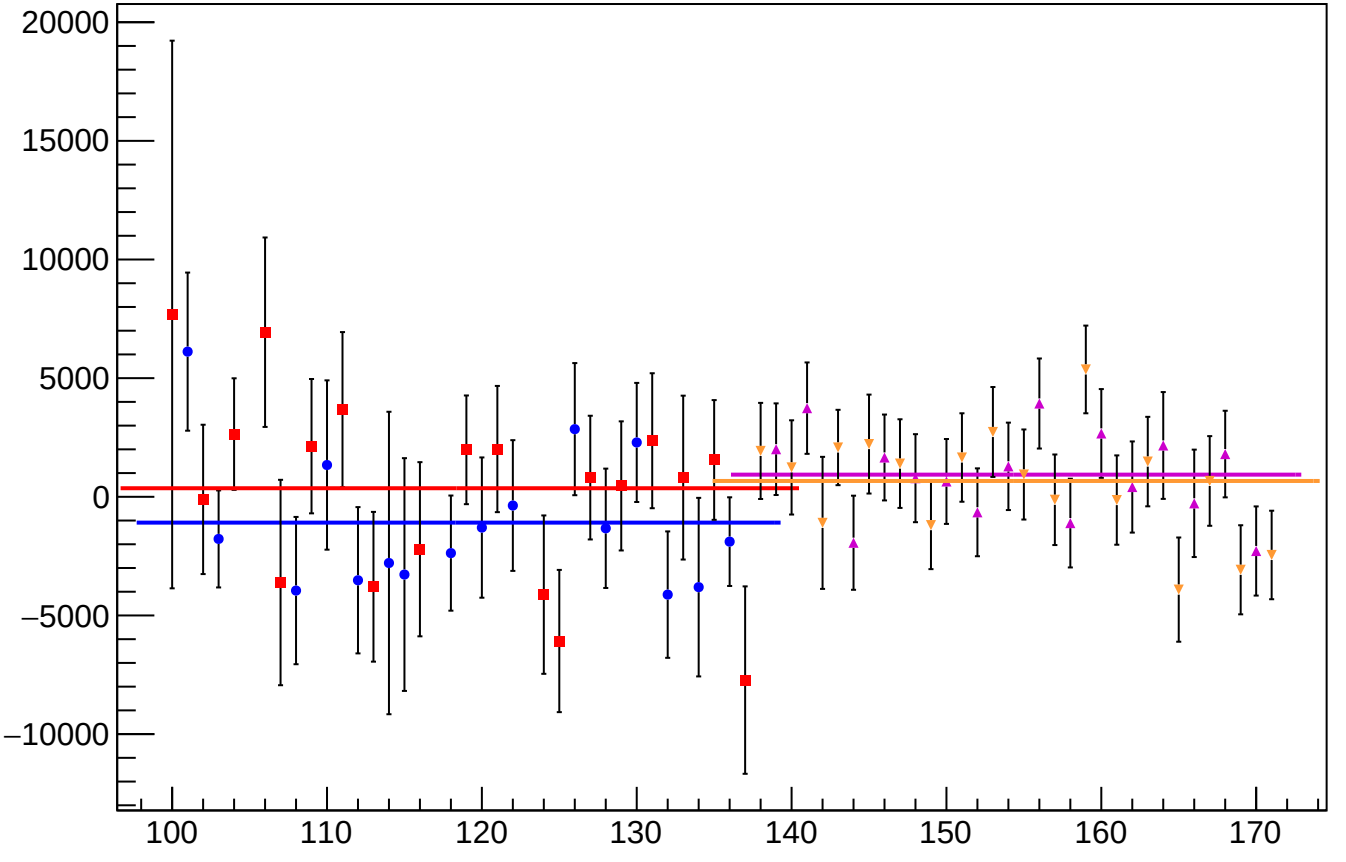
Left In: 4031.547+/-0.803 χ^2/NDF:1061484.7/15

+ sign 4046.249+/-0.632 χ^2/NDF: 1498620.6/33

All: 2462.736+/-0.340 χ^2/NDF: 31080844.6/6

- sign 1819.744+/-0.403 χ^2/NDF: 20758918.0/34

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 667.475+/-453.397 χ^2/NDF:23.0/17

Right Out: 361.223+/-699.665 χ^2/NDF: 20.8/18

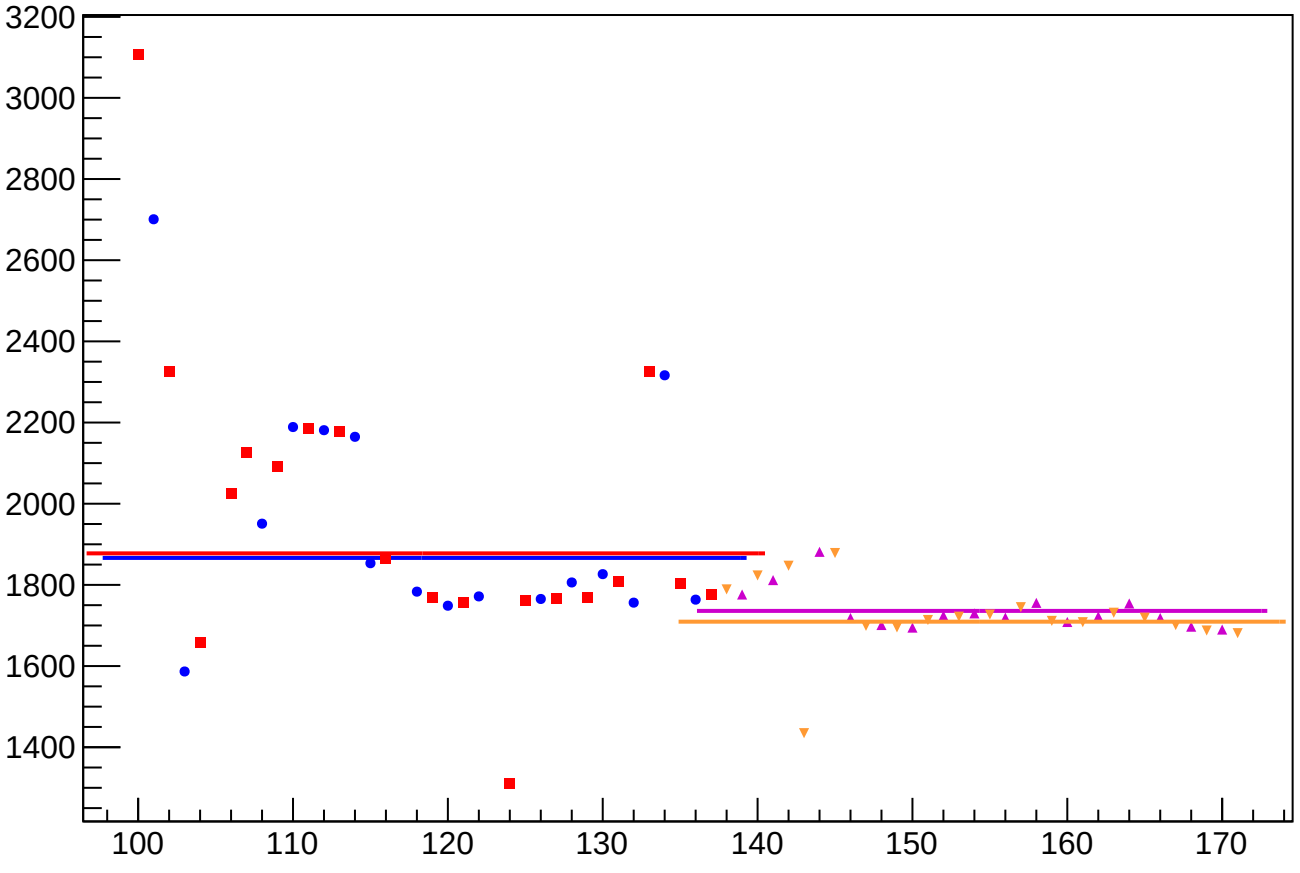
Left In: 934.084+/-477.585 χ^2/NDF:13.8/15

\+ sign 148.299+/-380.478 χ^2/NDF: 40.6/33

All: 439.270+/-273.845 χ^2/NDF: 77.0/68

\- sign 752.007+/-394.452 χ^2/NDF: 35.1/34

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1709.356+/-0.321 χ^2/NDF:89842.4/17

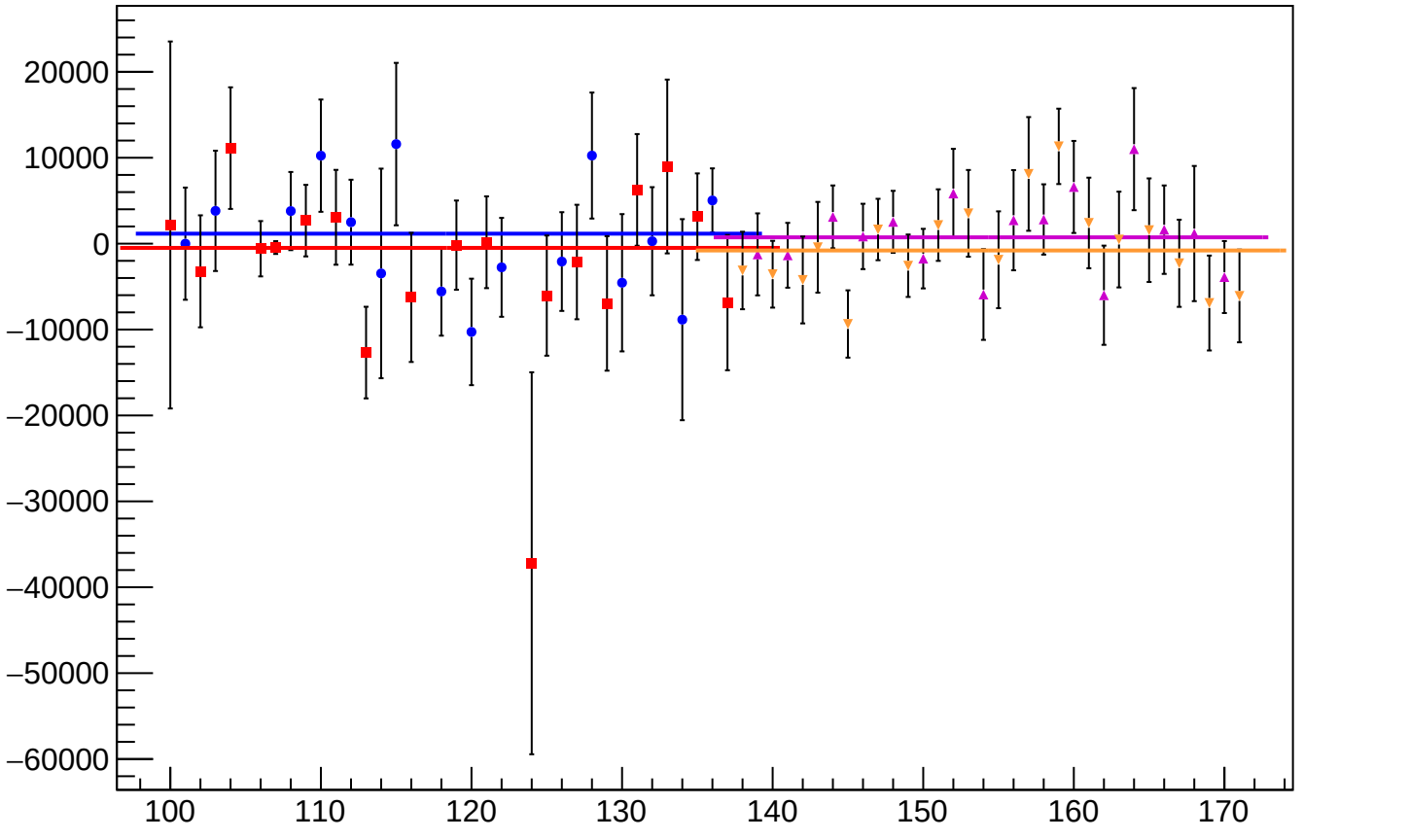
Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1735.900+/-0.338 χ^2/NDF:20070.1/15

+ sign 1755.824+/-0.269 χ^2/NDF: 417129.5/33

All: 1767.965+/-0.194 χ^2/NDF: 749344.1/68

- sign 1781.007+/-0.279 χ^2/NDF: 327990.8/34



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -795.031+/-1108.381 χ^2/NDF:20.3/17

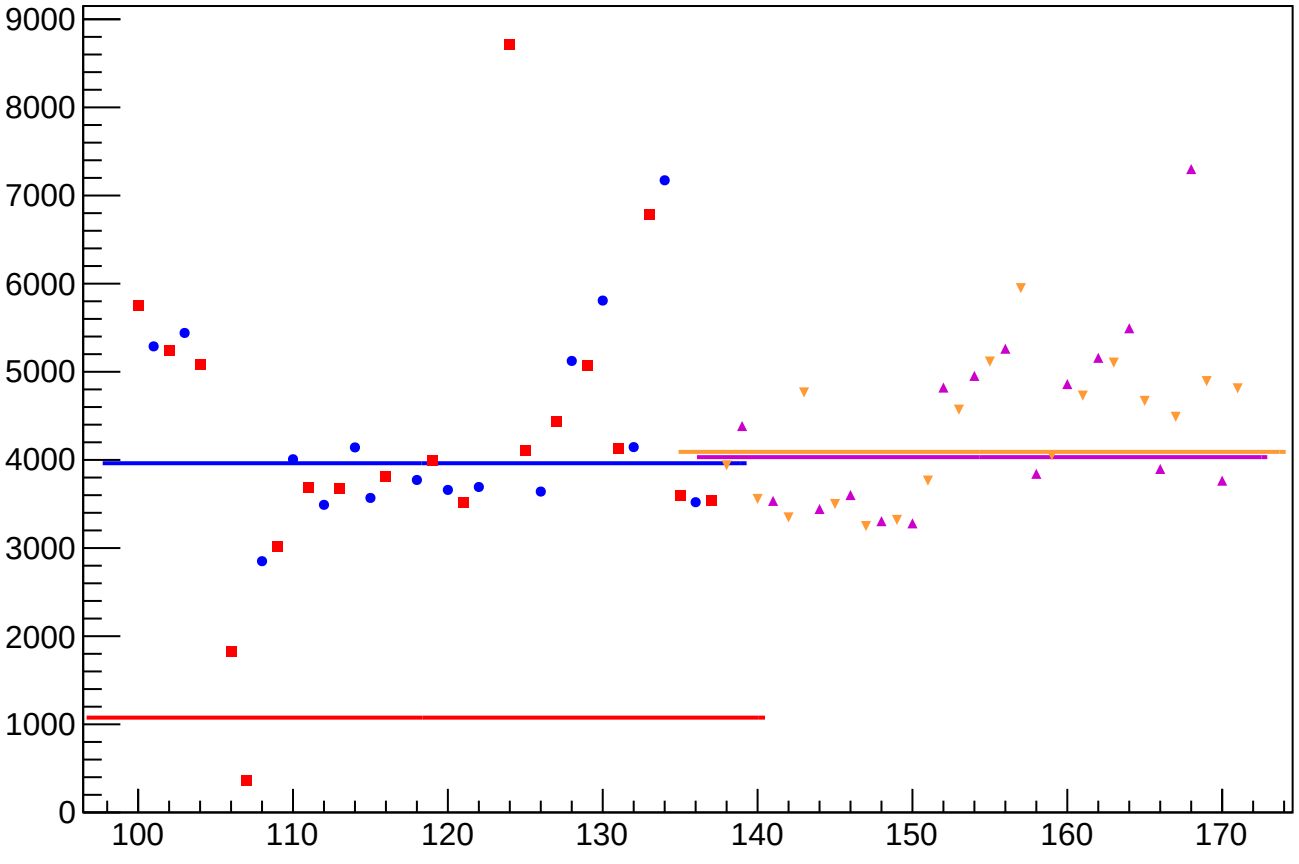
Right Out: -492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: 735.428+/-1135.565 χ^2/NDF:10.5/15

+ sign -111.416+/-893.968 χ^2/NDF: 35.0/33

All: -162.889+/-480.415 χ^2/NDF: 63.3/68

- sign -183.790+/-569.665 χ^2/NDF: 28.3/34



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4091.316+/-0.784 χ^2/NDF:820821.5/17

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

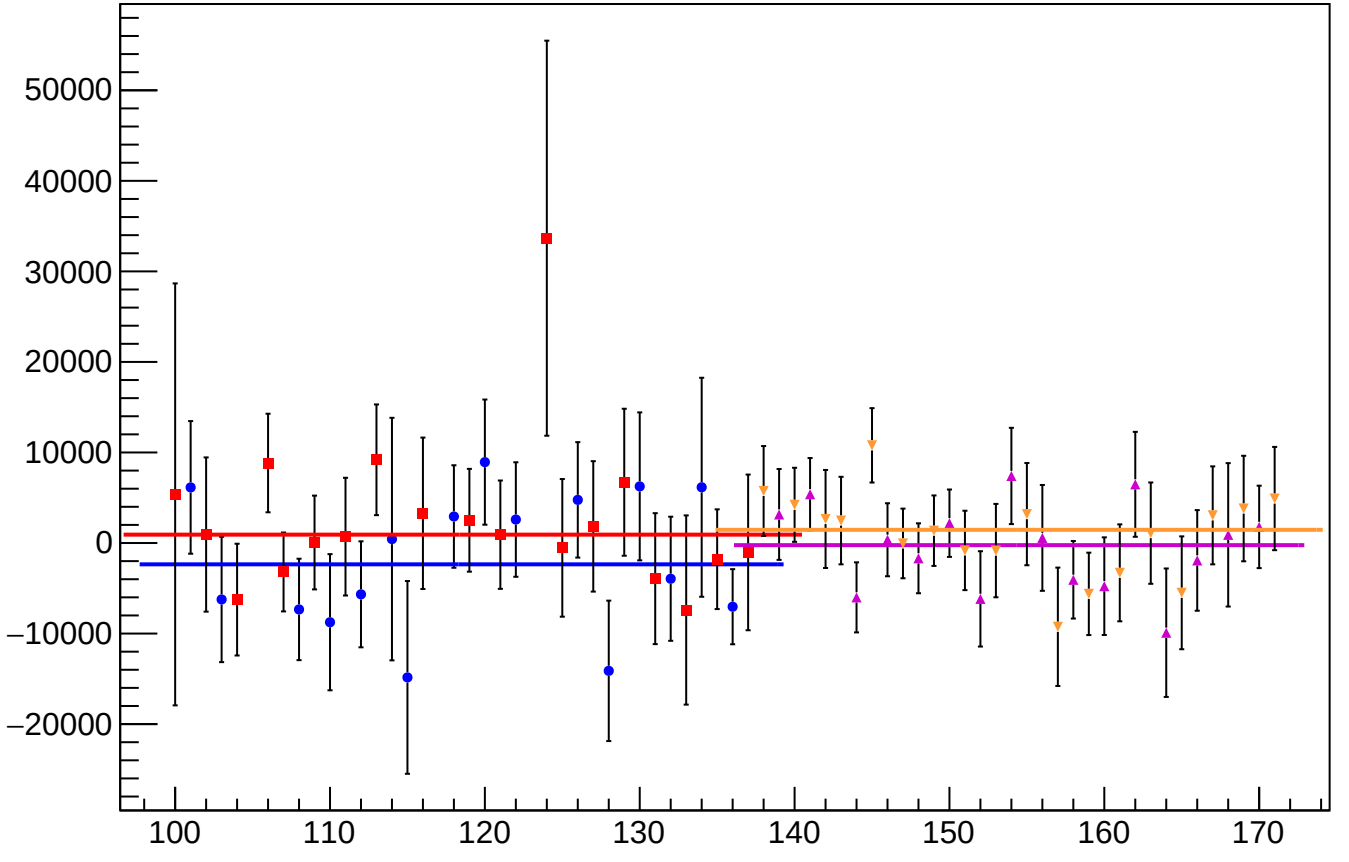
Left In: 4031.553+/-0.803 χ^2/NDF:1061486.7/15

+ sign 4046.250+/-0.632 χ^2/NDF: 1498618.4/33

All: 2462.777+/-0.340 χ^2/NDF: 31080051.5/6

- sign 1819.786+/-0.403 χ^2/NDF: 20758512.0/34

asym_atl1r2_dd_mean vs Slug



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1456.959+/-1154.812 χ^2/NDF:14.9/17

Right Out: 924.896+/-1546.889 χ^2/NDF: 10.6/18

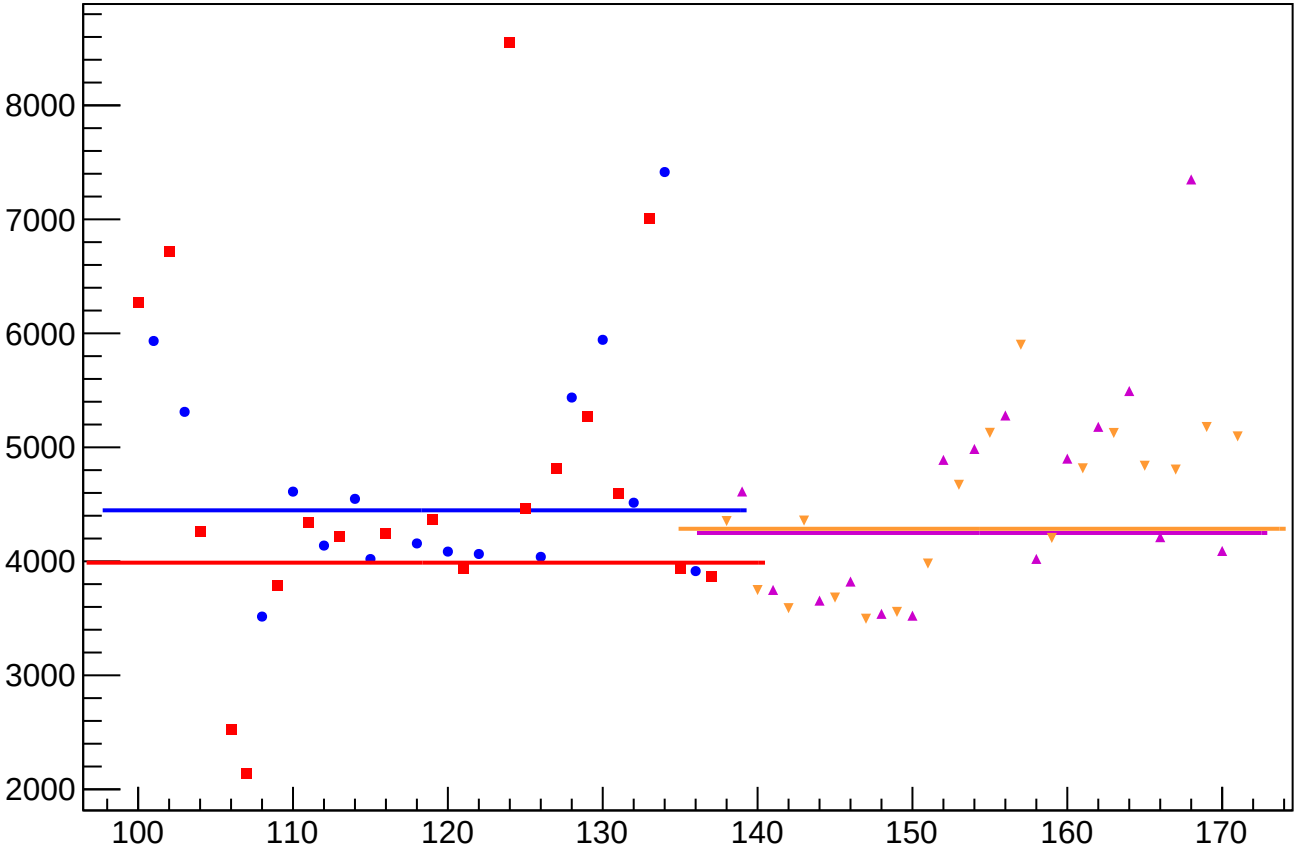
Left In: -235.007+/-1190.263 χ^2/NDF:13.6/15

+ sign 238.530+/-952.530 χ^2/NDF: 34.0/33

All: 217.231+/-670.264 χ^2/NDF: 58.5/68

- sign 196.342+/-943.328 χ^2/NDF: 24.6/34

asym_atl1r2_dd_rms vs Slug



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4285.660+/-0.817 χ^2/NDF:640164.4/17

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

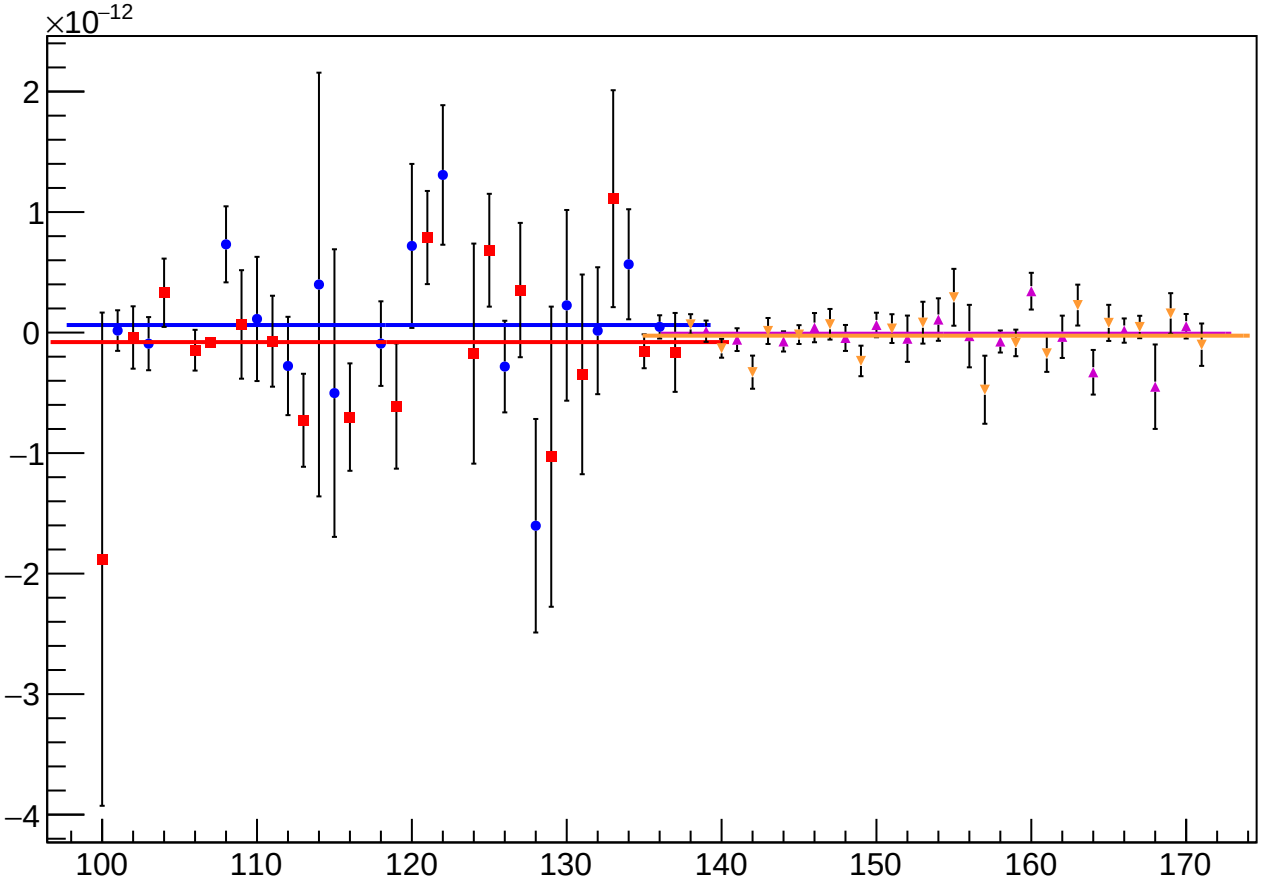
Left In: 4248.687+/-0.842 χ^2/NDF:842303.5/15

+ sign 4337.367+/-0.674 χ^2/NDF: 1110959.7/33

All: 4242.738+/-0.473 χ^2/NDF: 3172205.6/68

- sign 4150.619+/-0.665 χ^2/NDF: 2022291.9/34

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:22.2/17

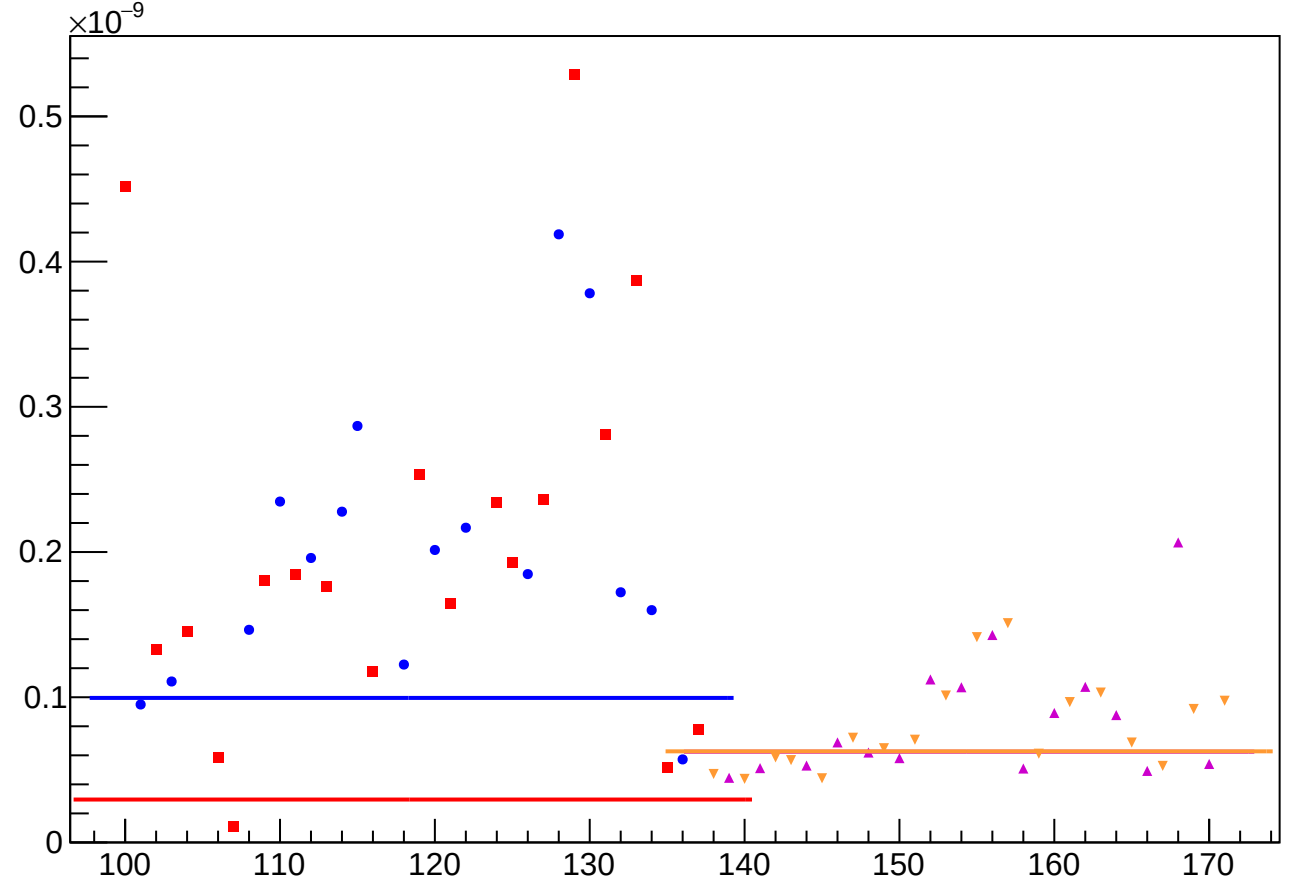
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/33

All: -0.000+/-0.000 χ^2/NDF: 77.3/68

- sign -0.000+/-0.000 χ^2/NDF: 35.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1218177.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

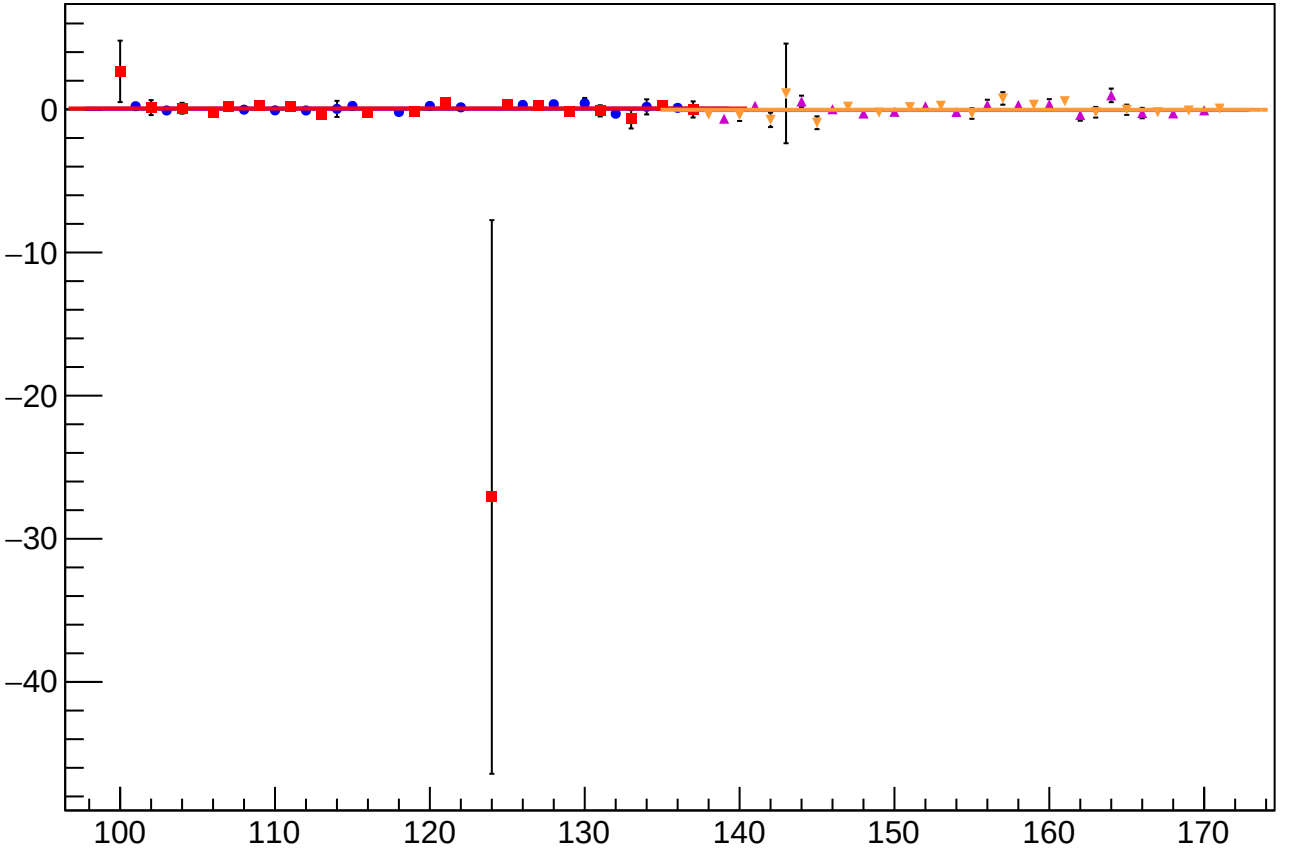
Left In: 0.000+/-0.000 χ^2/NDF:1246112.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 3278935.8/33

All: 0.000+/-0.000 χ^2/NDF: 10680401.8/68

- sign 0.000+/-0.000 χ^2/NDF: 6701669.1/34

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

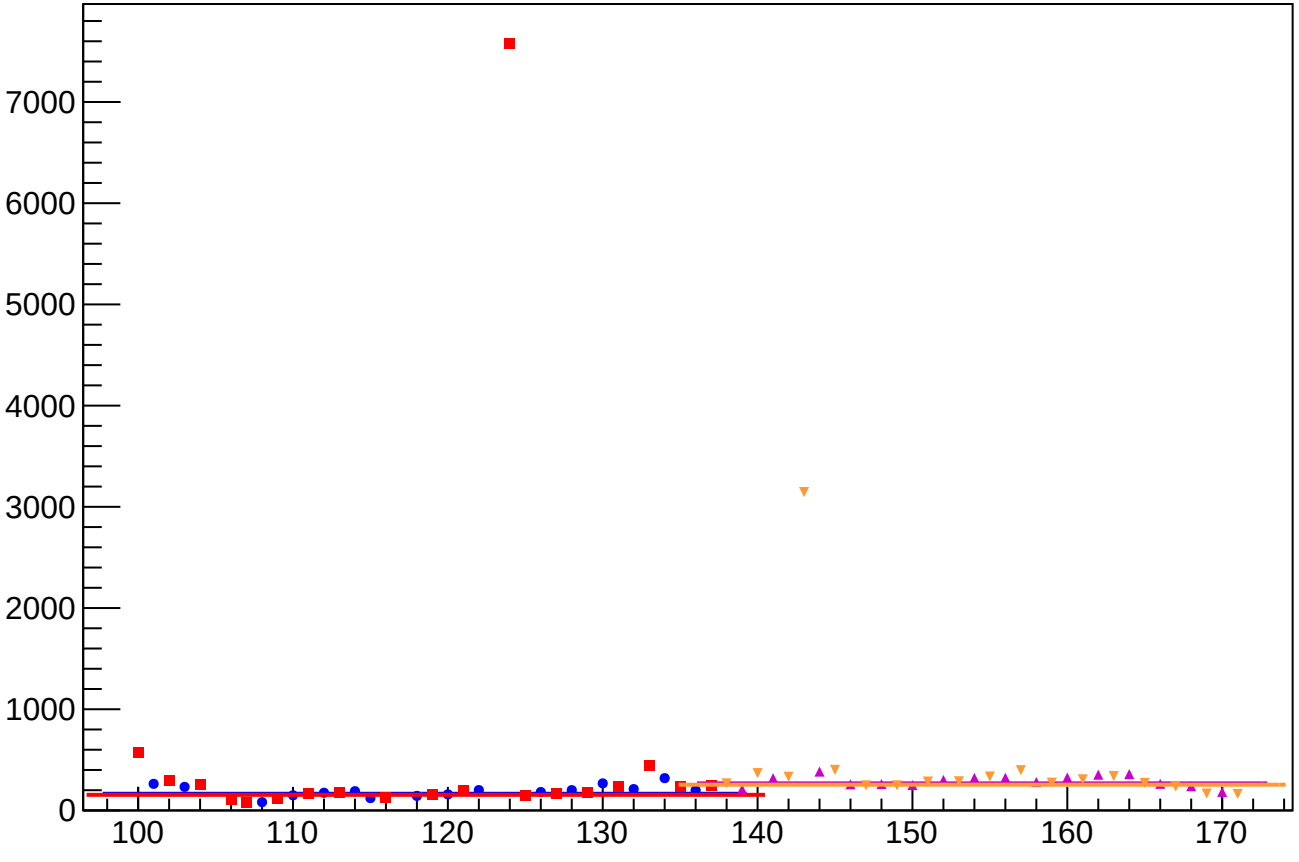
Left In: -0.048+/-0.076 χ^2/NDF:21.3/15

+ sign 0.014+/-0.049 χ^2/NDF: 27.7/33

All: 0.015+/-0.035 χ^2/NDF: 68.5/68

- sign 0.016+/-0.049 χ^2/NDF: 40.9/34

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 254.346+/-0.051 χ^2/NDF:3247057.9/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

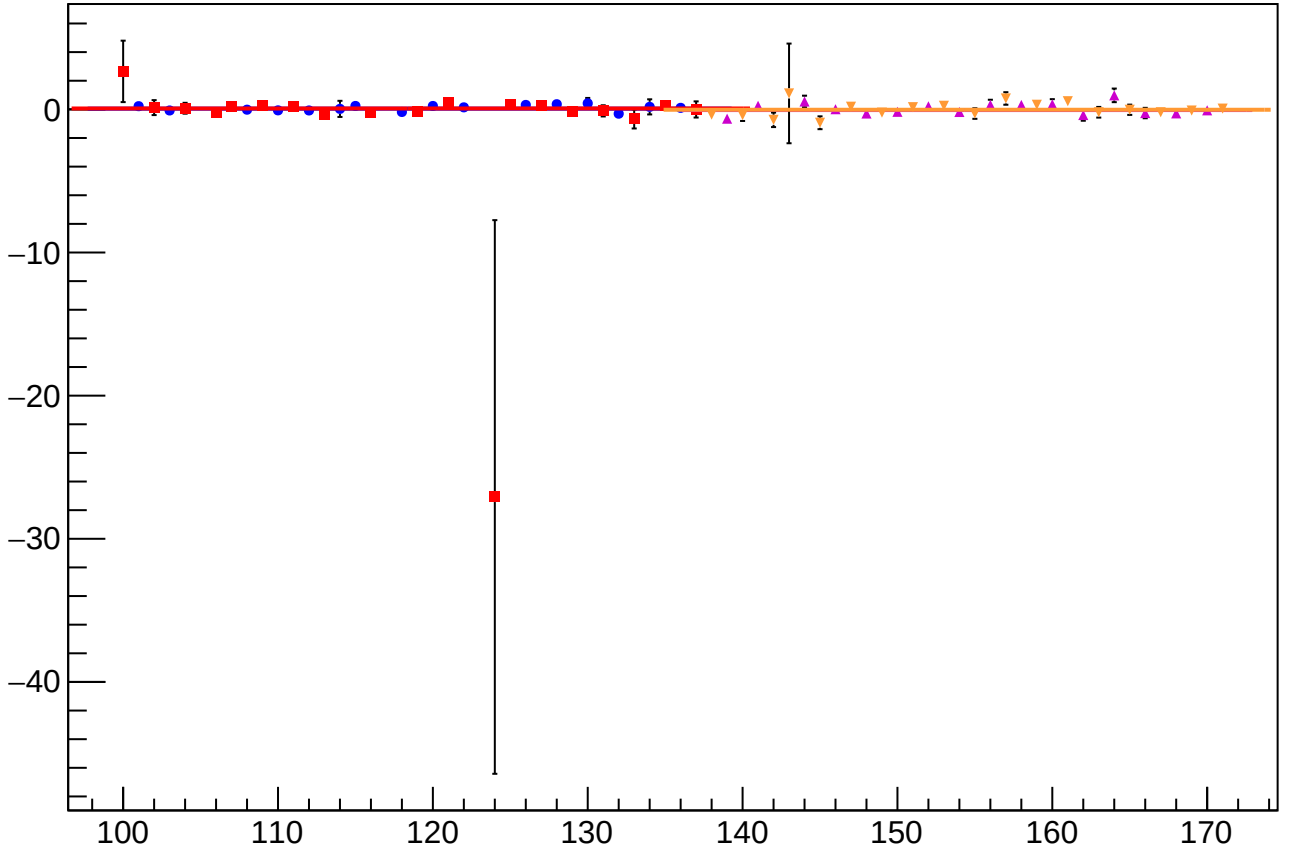
Left In: 267.773+/-0.054 χ^2/NDF:1034376.0/15

+ sign 205.717+/-0.035 χ^2/NDF: 6379820.4/33

All: 203.700+/-0.025 χ^2/NDF: 11927028.8/68

- sign 201.664+/-0.035 χ^2/NDF: 5540383.8/34

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

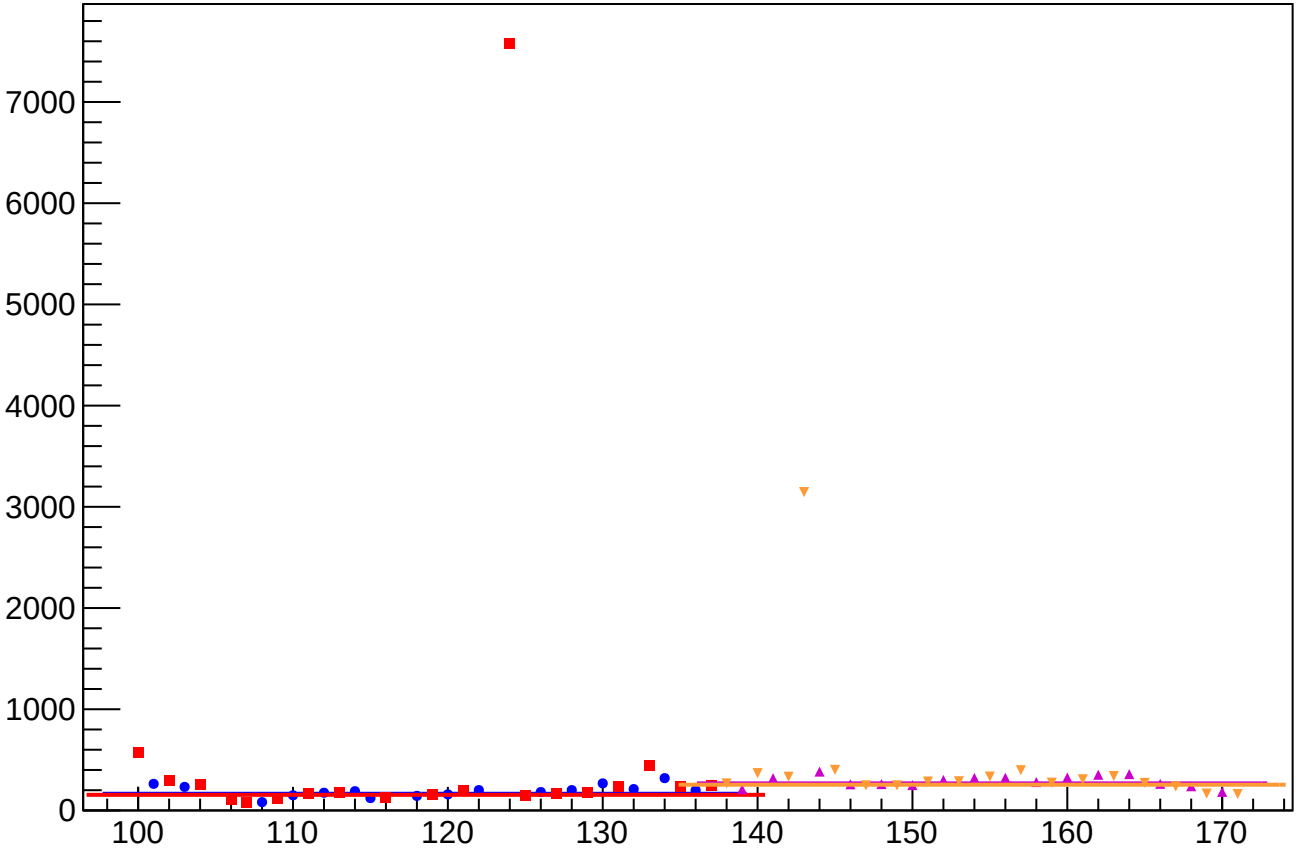
Left In: -0.048+/-0.076 χ^2/NDF:21.3/15

+ sign 0.014+/-0.049 χ^2/NDF: 27.7/33

All: 0.015+/-0.035 χ^2/NDF: 68.5/68

- sign 0.016+/-0.049 χ^2/NDF: 40.9/34

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: 254.346+/-0.051 χ^2/NDF:3247057.9/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

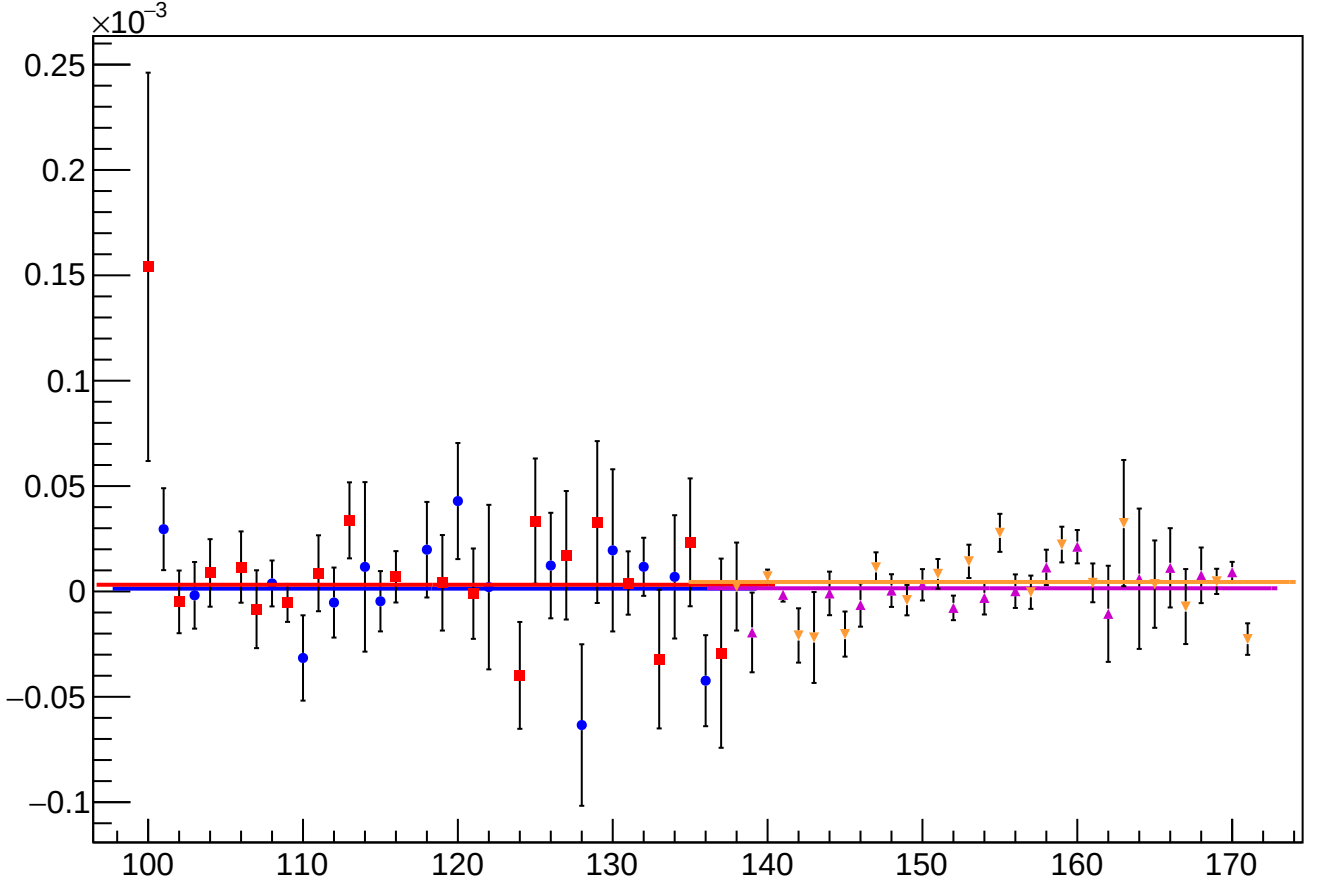
Left In: 267.773+/-0.054 χ^2/NDF:1034376.0/15

+ sign 205.717+/-0.035 χ^2/NDF: 6379820.4/33

All: 203.700+/-0.025 χ^2/NDF: 11927028.8/68

- sign 201.664+/-0.035 χ^2/NDF: 5540383.8/34

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

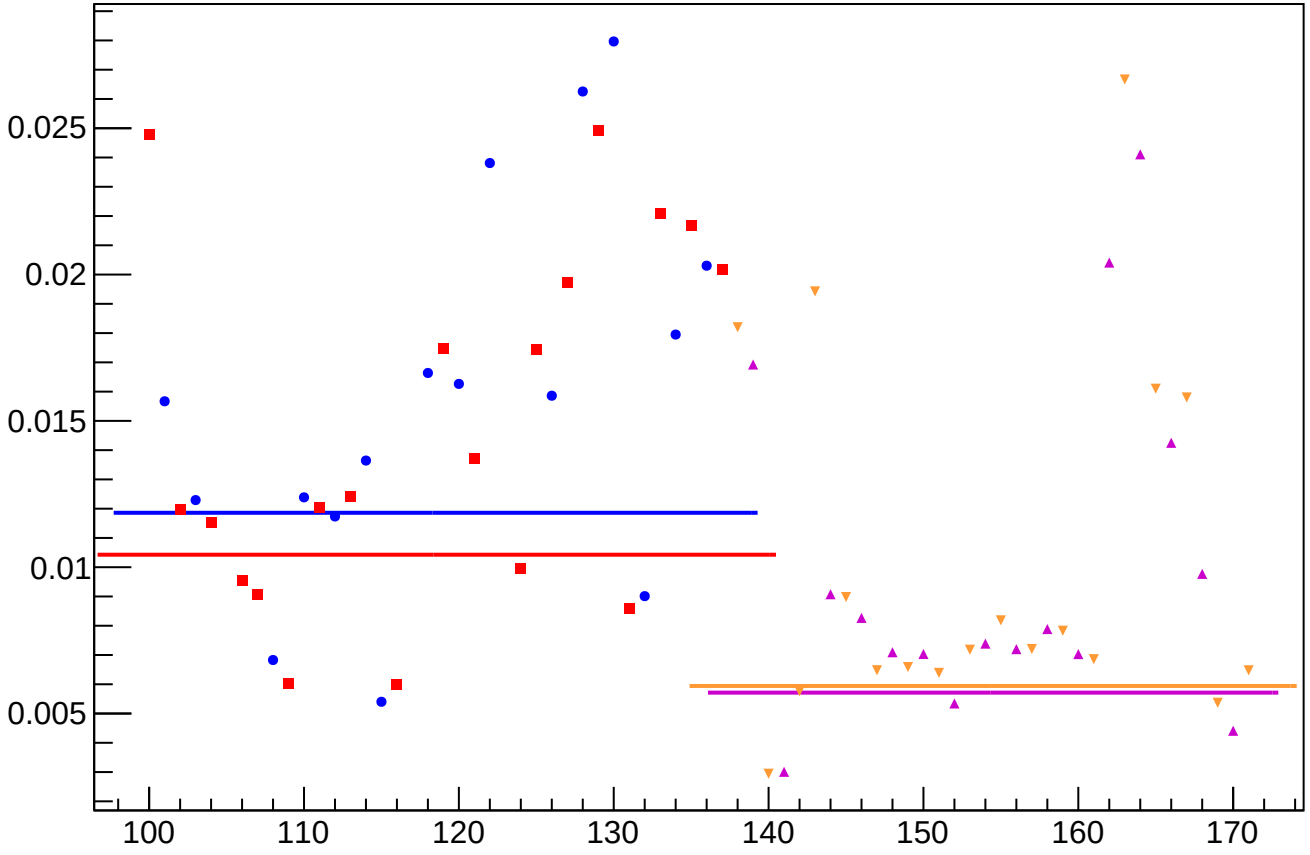
Left In: 0.000+/-0.000 χ^2/NDF:16.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/33

All: 0.000+/-0.000 χ^2/NDF: 90.3/68

- sign 0.000+/-0.000 χ^2/NDF: 31.3/34

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5835511.8/17

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

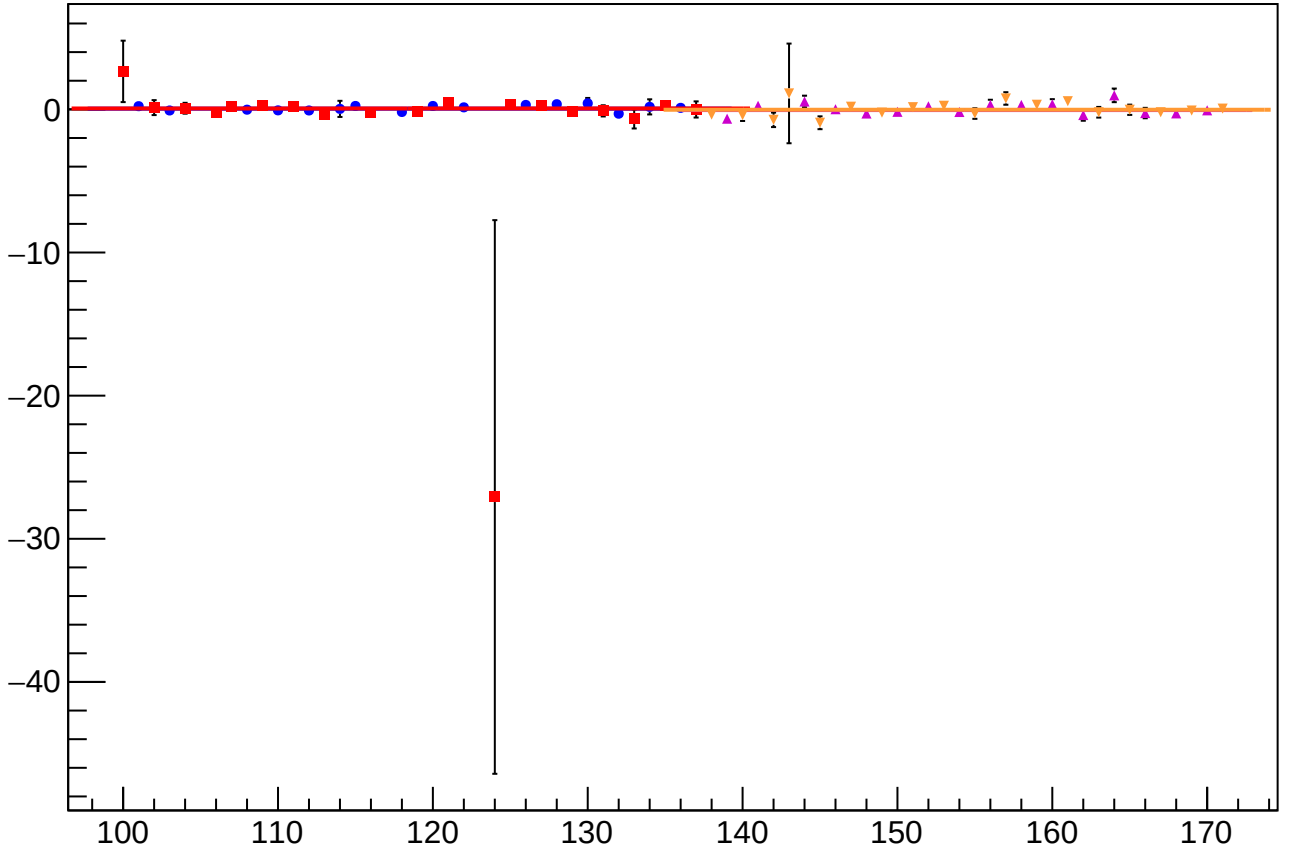
Left In: 0.006+/-0.000 χ^2/NDF:5129036.3/15

+ sign 0.007+/-0.000 χ^2/NDF: 10826120.2/33

All: 0.007+/-0.000 χ^2/NDF: 20411166.7/68

- sign 0.006+/-0.000 χ^2/NDF: 9568365.5/34

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: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

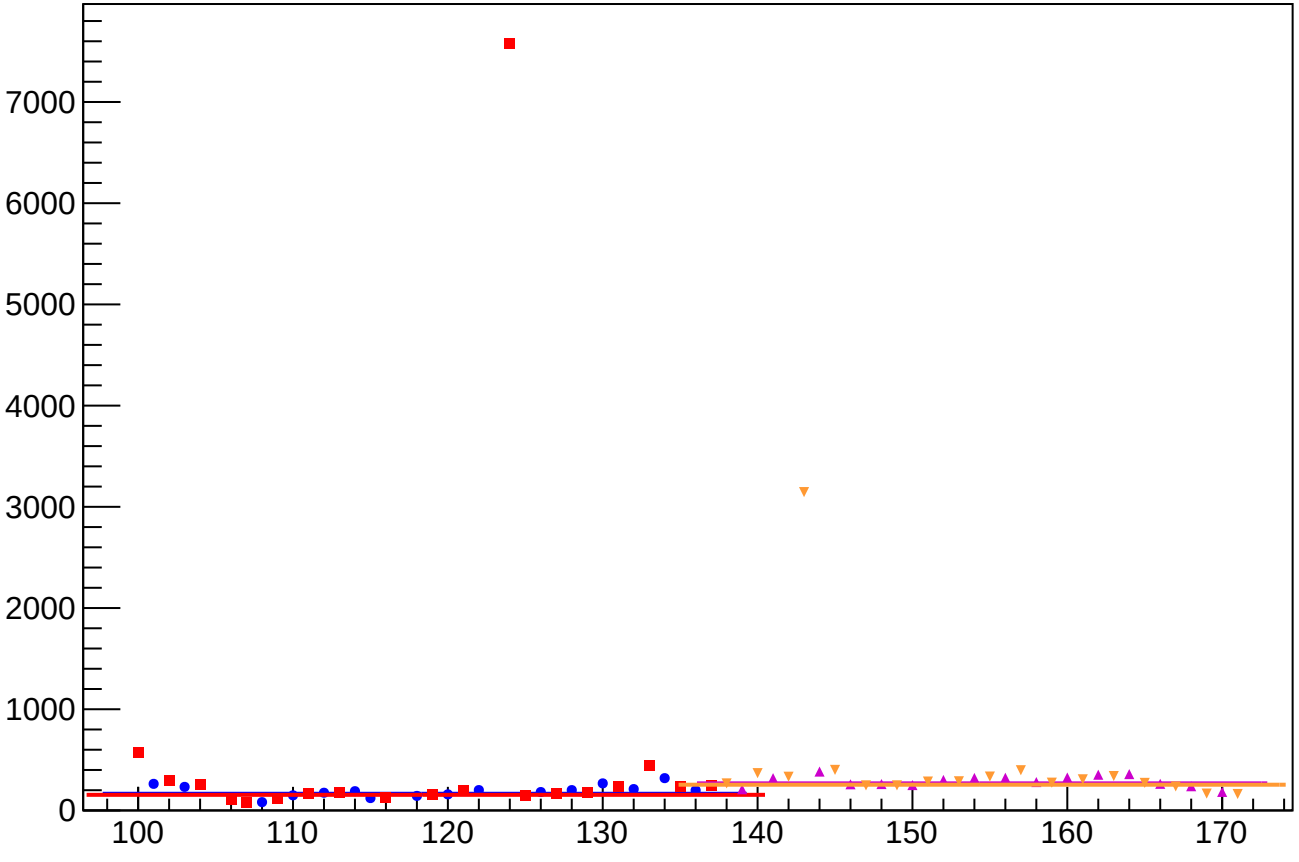
Left In: -0.048+/-0.076 χ^2/NDF:21.3/15

+ sign 0.014+/-0.049 χ^2/NDF: 27.7/33

All: 0.015+/-0.035 χ^2/NDF: 68.5/68

- sign 0.016+/-0.049 χ^2/NDF: 40.9/34

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: 254.347+/-0.051 χ^2/NDF:3247174.3/17

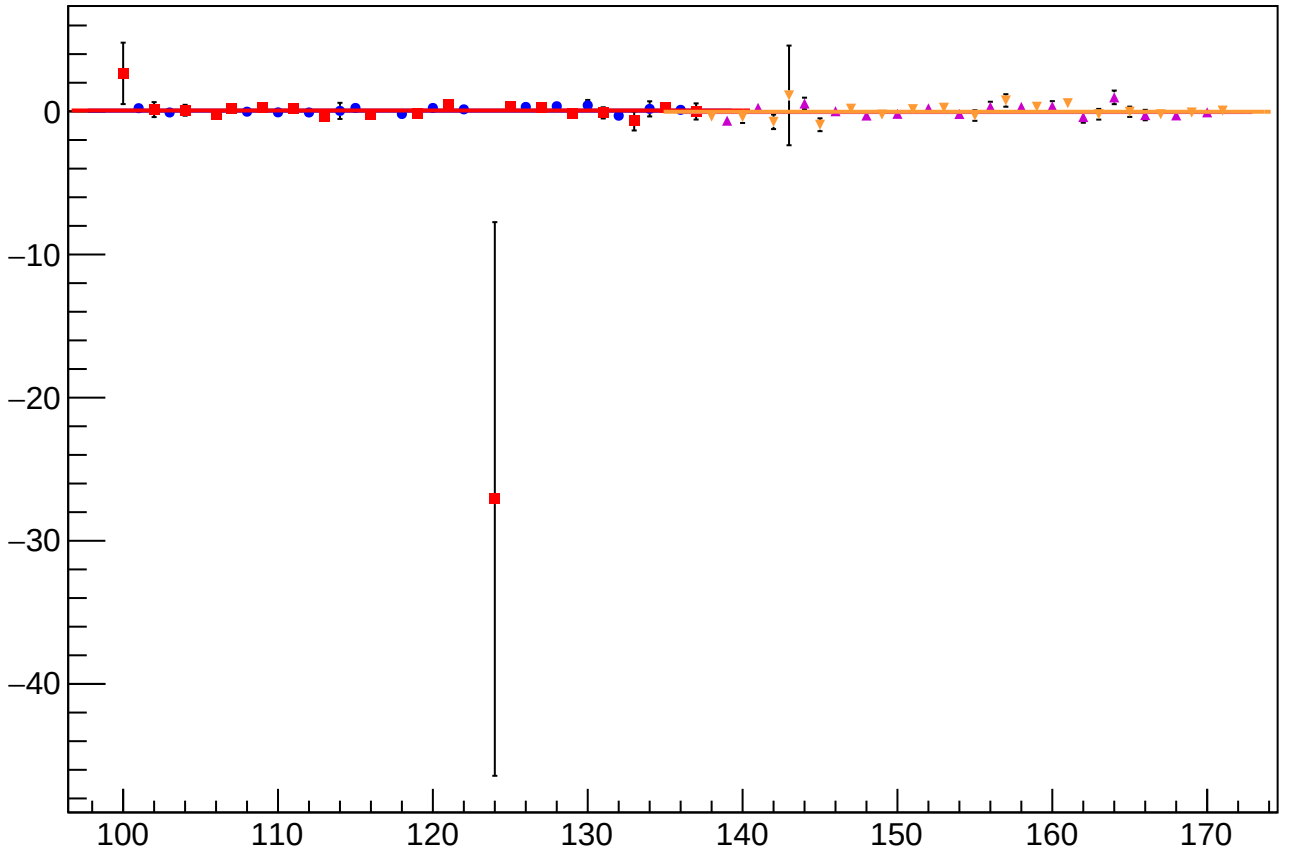
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

+ sign 205.717+/-0.035 χ^2/NDF: 6379959.0/33

All: 203.700+/-0.025 χ^2/NDF: 11927338.5/68

- sign 201.664+/-0.035 χ^2/NDF: 5540556.4/34



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.027+/-0.072 χ^2/NDF:19.4/17

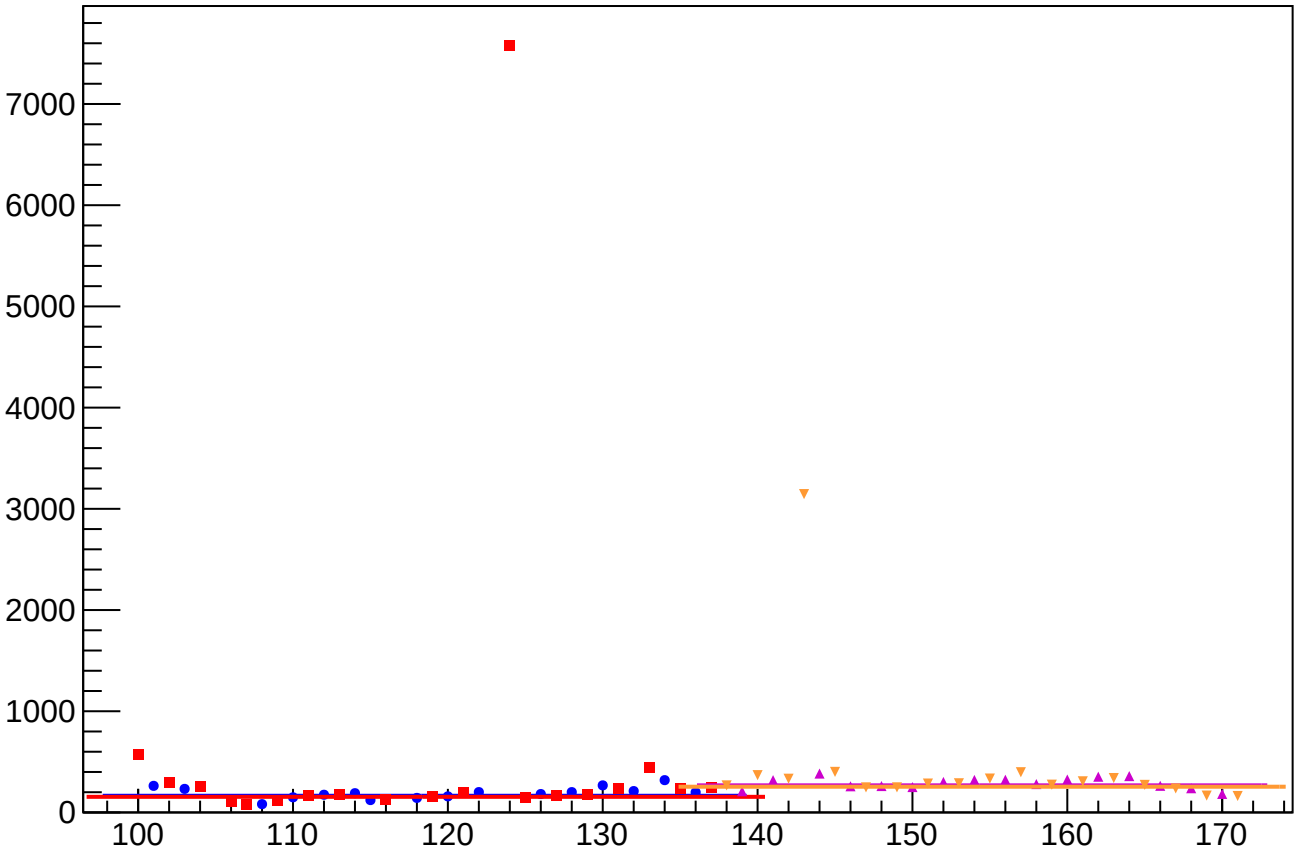
Right Out: 0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: -0.048+/-0.076 χ^2/NDF:21.3/15

+ sign 0.014+/-0.049 χ^2/NDF: 27.7/33

All: 0.015+/-0.035 χ^2/NDF: 68.5/68

- sign 0.016+/-0.049 χ^2/NDF: 40.9/34



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 254.347+/-0.051 χ^2/NDF:3247174.3/17

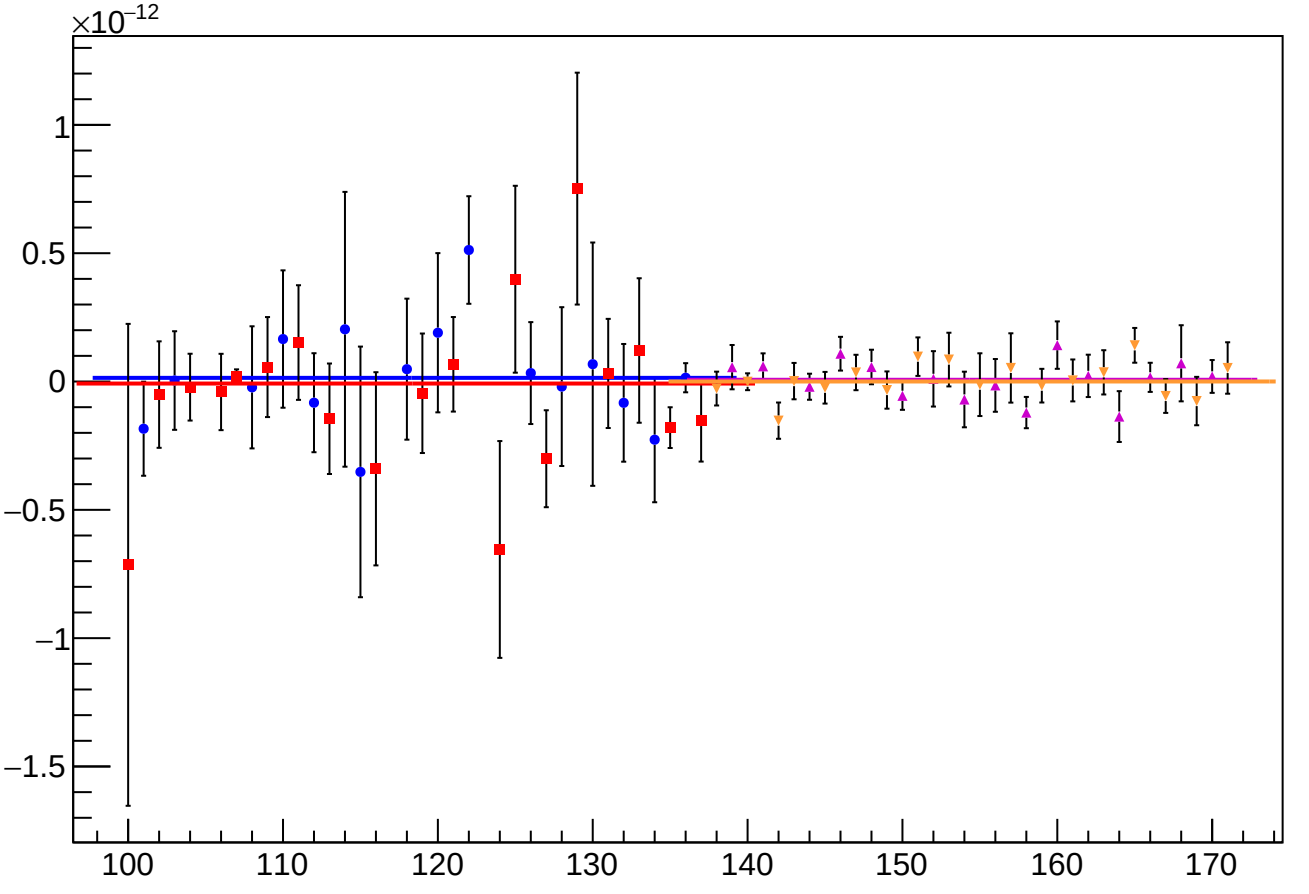
Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

+ sign 205.717+/-0.035 χ^2/NDF: 6379959.0/33

All: 203.700+/-0.025 χ^2/NDF: 11927338.5/68

- sign 201.664+/-0.035 χ^2/NDF: 5540556.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/17

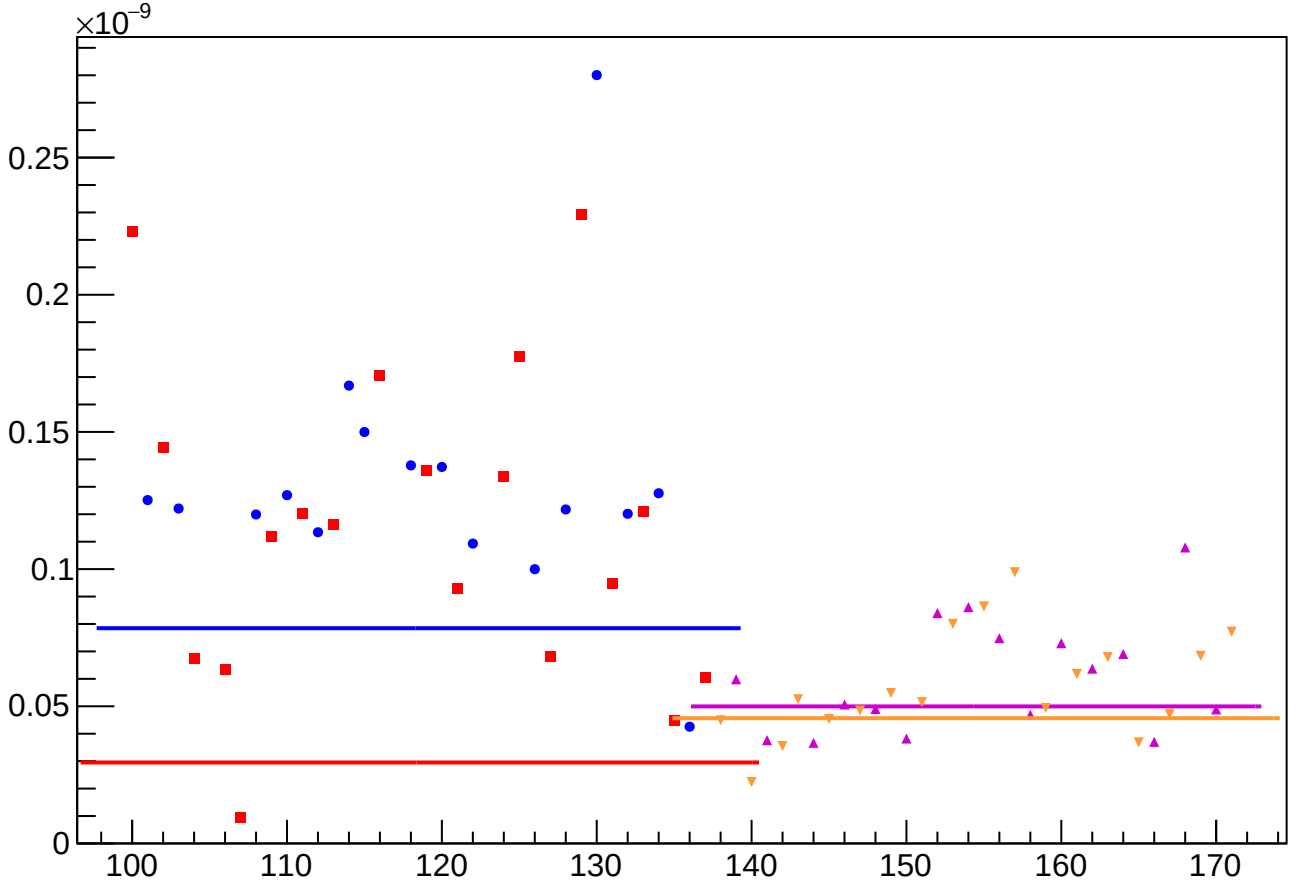
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/33

All: 0.000+/-0.000 χ^2/NDF: 57.9/68

- sign 0.000+/-0.000 χ^2/NDF: 34.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2431351.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

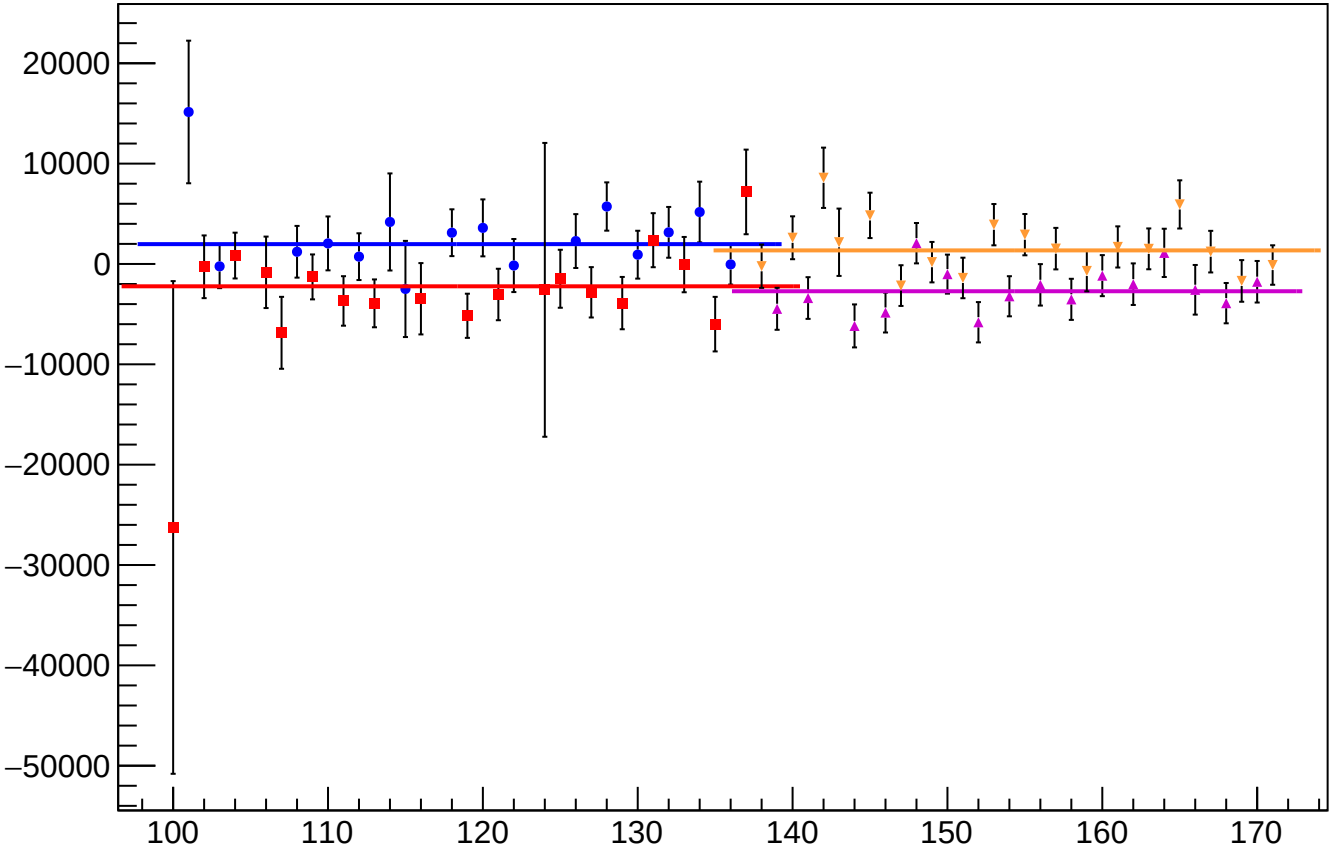
Left In: 0.000+/-0.000 χ^2/NDF:1581524.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 5577876.6/33

All: 0.000+/-0.000 χ^2/NDF: 13907531.6/68

- sign 0.000+/-0.000 χ^2/NDF: 8064219.3/34

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.047+/-507.151 χ^2/NDF:23.8/17

Right Out: -2226.171+/-656.286 χ^2/NDF: 19.0/18

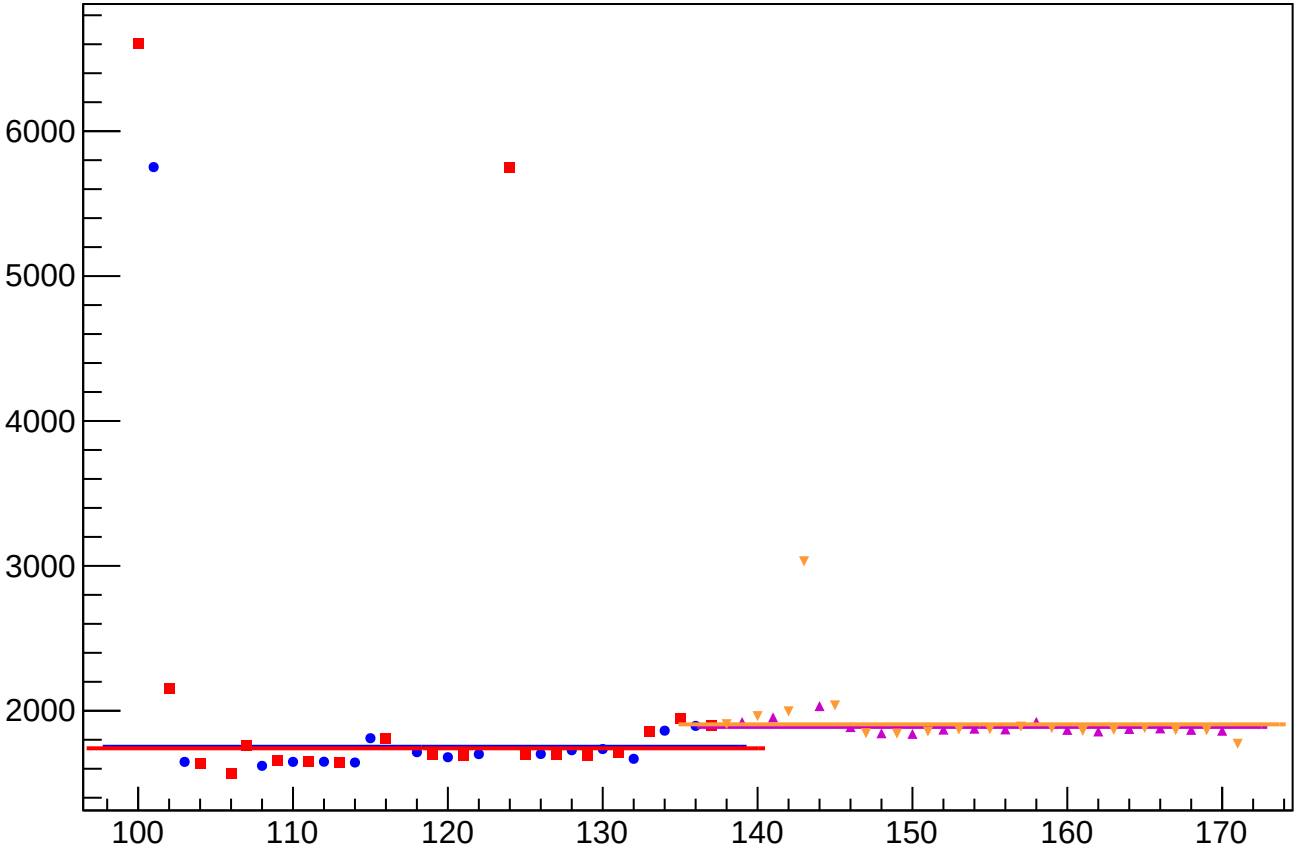
Left In: -2717.860+/-519.647 χ^2/NDF:17.4/15

+ sign 1580.426+/-403.864 χ^2/NDF: 36.5/33

All: -456.071+/-286.817 χ^2/NDF: 124.6/68

- sign -2528.387+/-407.401 χ^2/NDF: 36.8/34

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

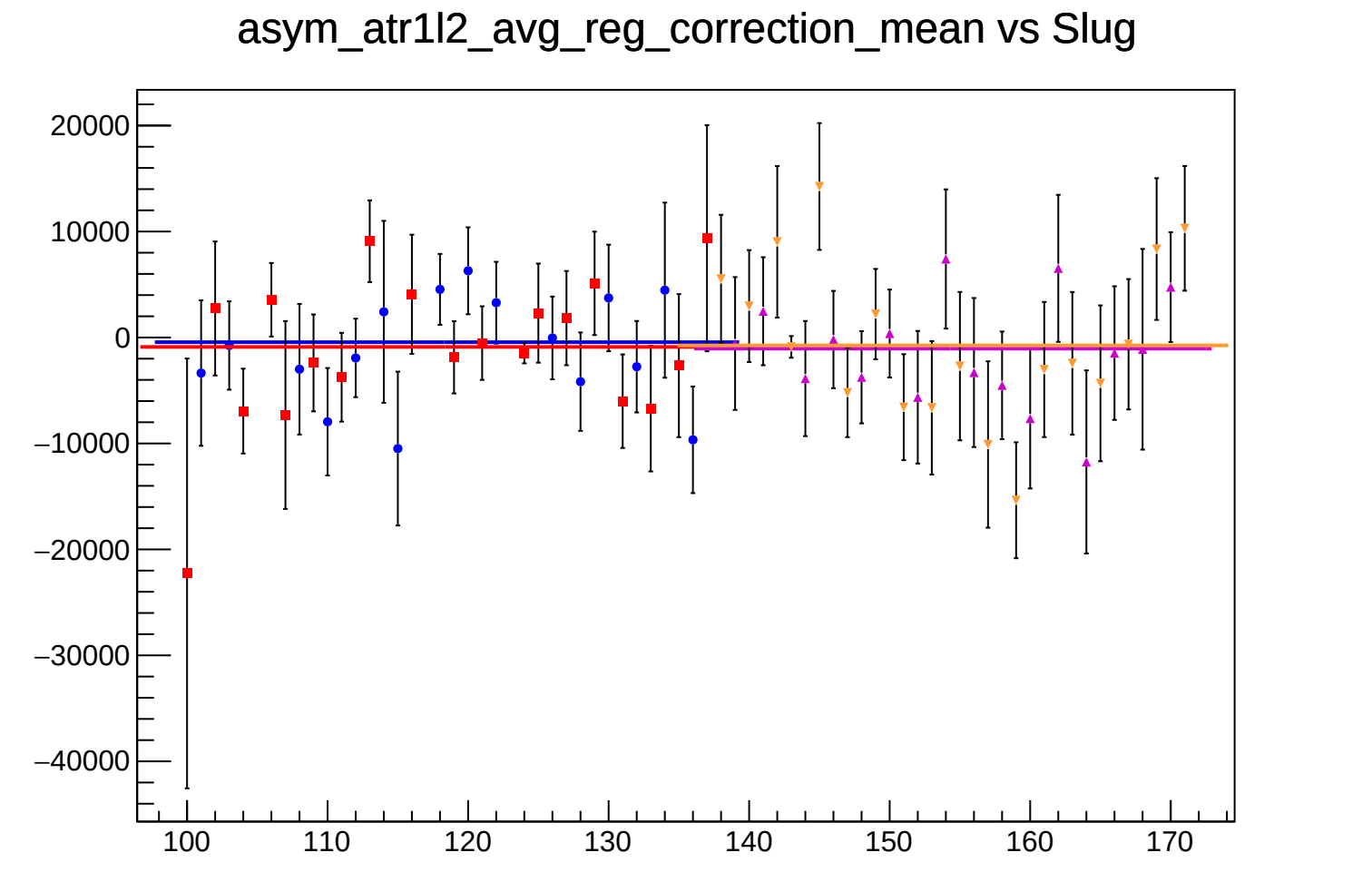
Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

+ sign 1849.812+/-0.286 χ^2/NDF: 992966.0/33

All: 1840.656+/-0.203 χ^2/NDF: 1378564.9/68

- sign 1831.393+/-0.287 χ^2/NDF: 383531.1/34



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -750.570+/-828.471 χ^2/NDF:28.0/17

Right Out: -892.237+/-725.737 χ^2/NDF: 20.1/18

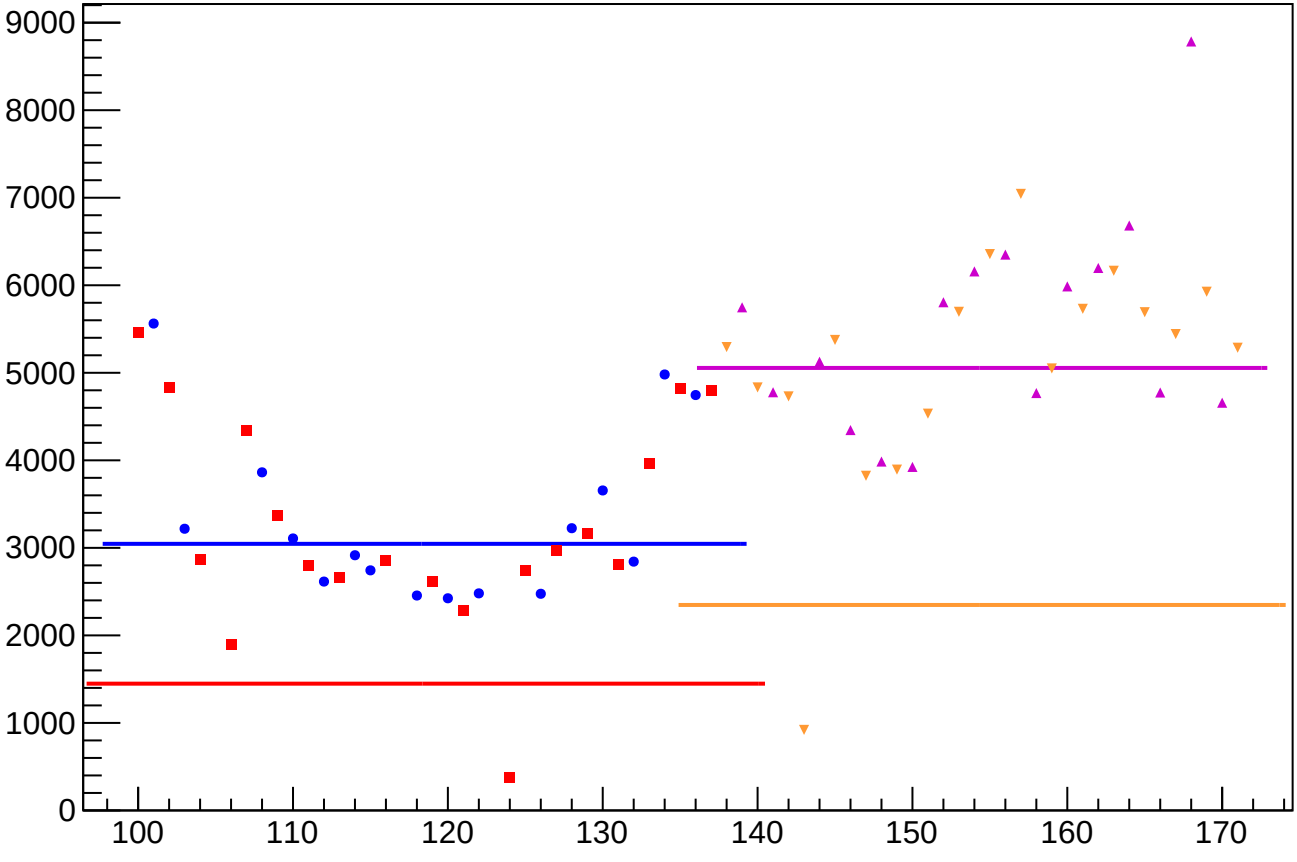
Left In: -1051.658+/-1422.084 χ^2/NDF:9.0/15

+ sign -648.798+/-676.984 χ^2/NDF: 44.0/33

All: -793.366+/-467.522 χ^2/NDF: 73.2/68

- sign -925.178+/-646.425 χ^2/NDF: 29.1/34

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2347.651+/-0.586 χ^2/NDF:12063654.2/17

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

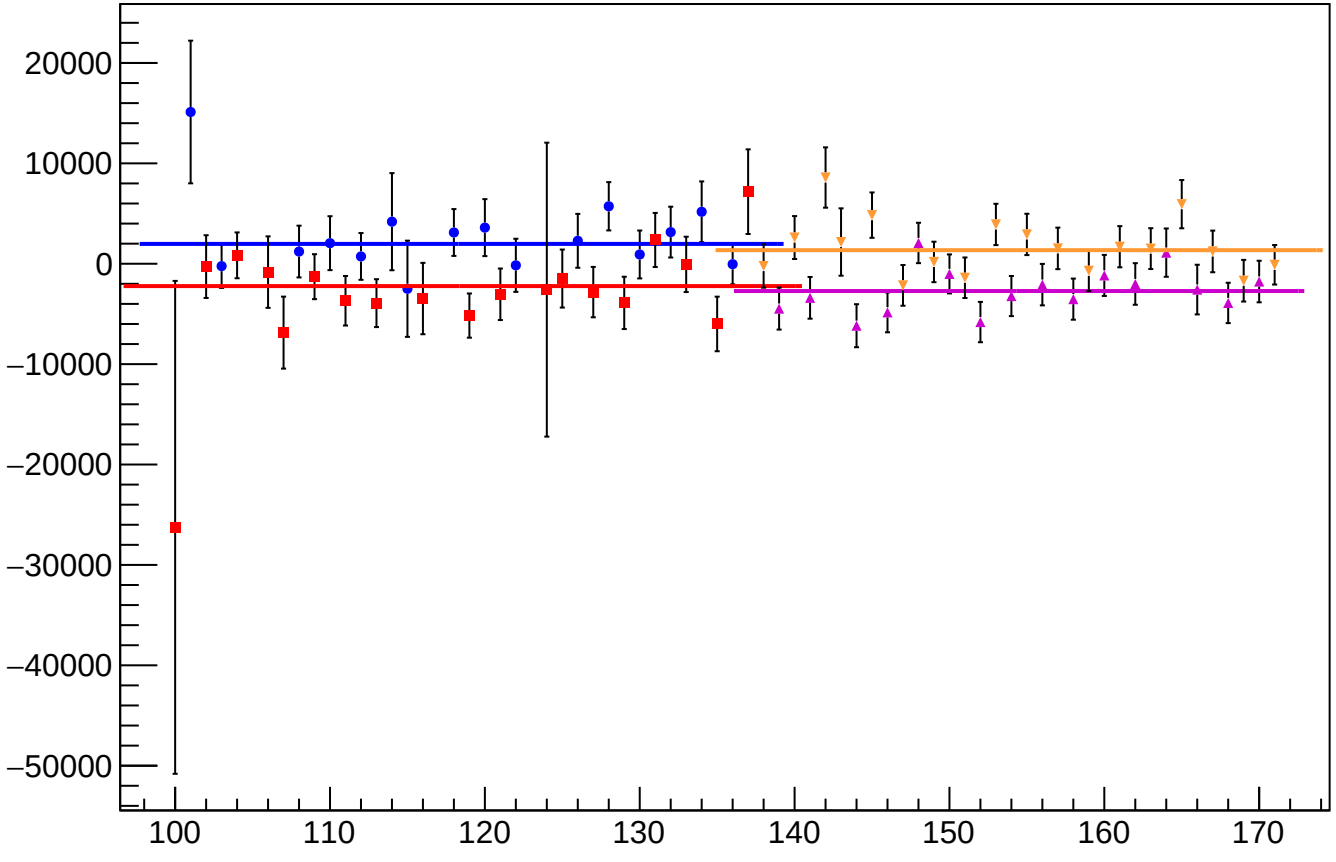
Left In: 5055.520+/-1.006 χ^2/NDF:998057.3/15

+ sign 2579.663+/-0.479 χ^2/NDF: 13443109.3/33

All: 2377.837+/-0.331 χ^2/NDF: 31776134.0/6

- sign 2193.821+/-0.457 χ^2/NDF: 17993195.6/34

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.036+/-507.151 χ^2/NDF:23.8/17

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

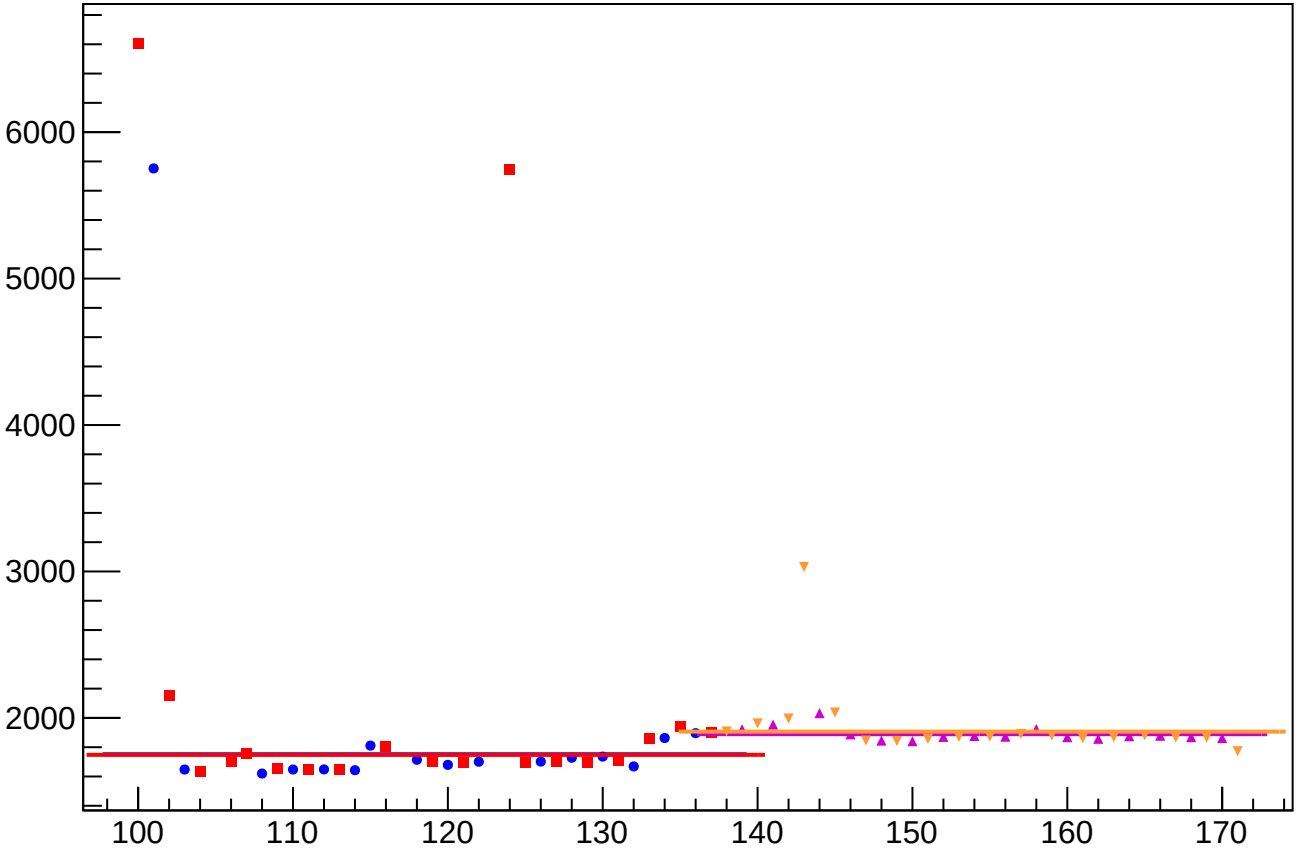
Left In: -2717.943+/-519.647 χ^2/NDF:17.4/15

+ sign 1580.290+/-403.864 χ^2/NDF: 36.5/33

All: -456.183+/-286.817 χ^2/NDF: 124.6/68

- sign -2528.475+/-407.401 χ^2/NDF: 36.8/34

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

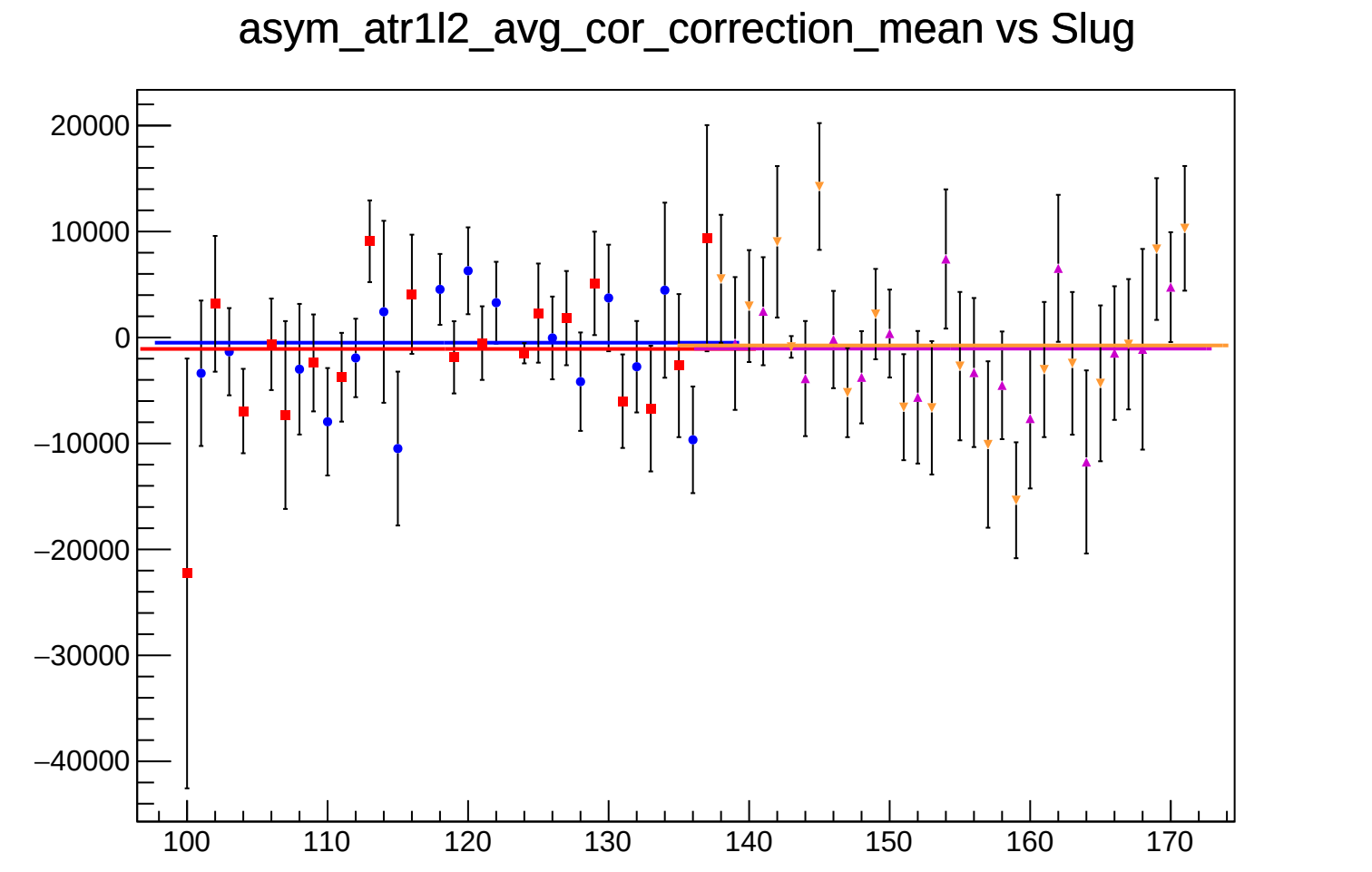
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

+ sign 1849.812+/-0.286 χ^2/NDF: 992966.5/33

All: 1842.090+/-0.203 χ^2/NDF: 1365375.8/68

- sign 1834.255+/-0.288 χ^2/NDF: 370936.2/34



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -750.414+/-828.449 χ^2/NDF:28.0/17

Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

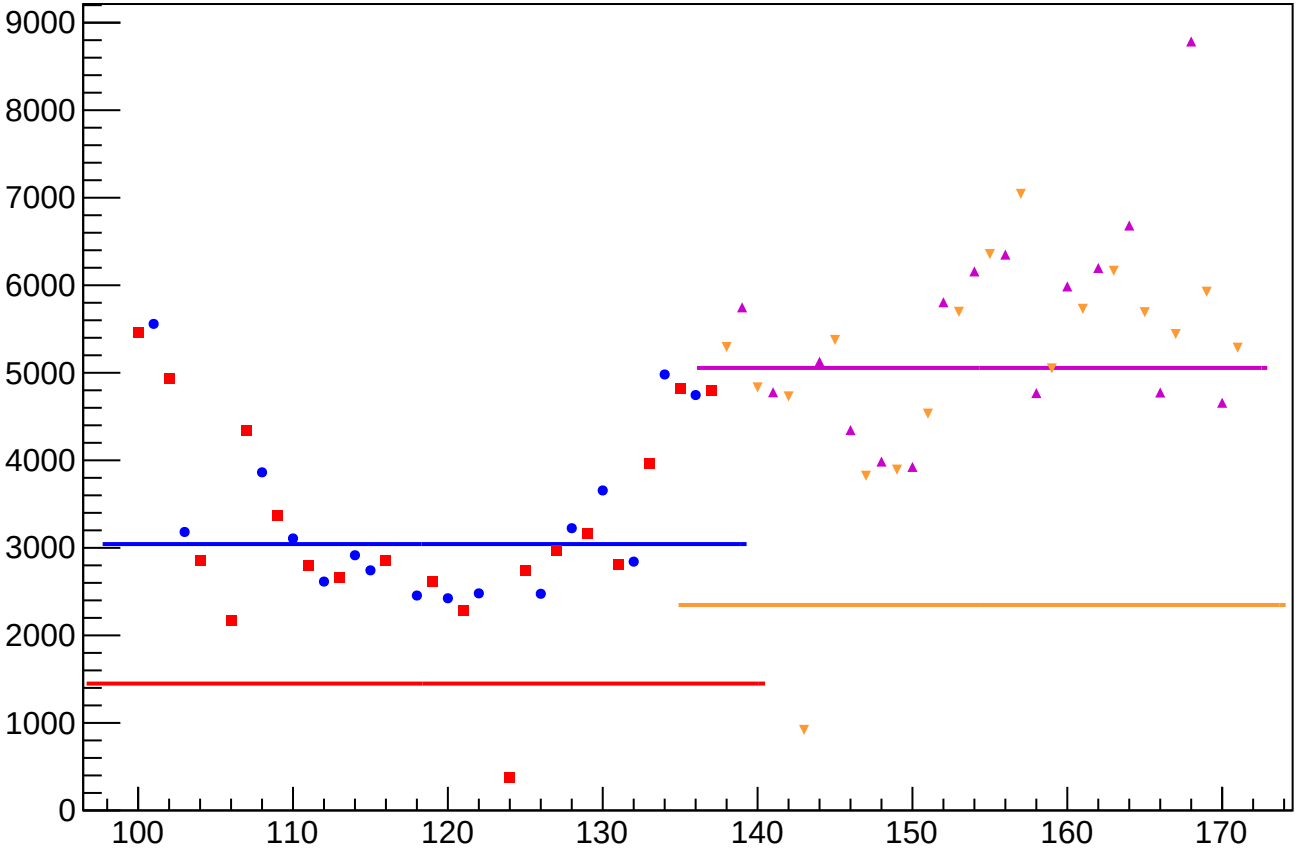
Left In: -1051.721+/-1422.083 χ^2/NDF:9.0/15

+ sign -664.741+/-676.740 χ^2/NDF: 44.0/33

All: -877.895+/-468.959 χ^2/NDF: 71.7/68

- sign -1074.814+/-650.458 χ^2/NDF: 27.5/34

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2347.550+/-0.586 χ^2/NDF:12064176.4/17

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

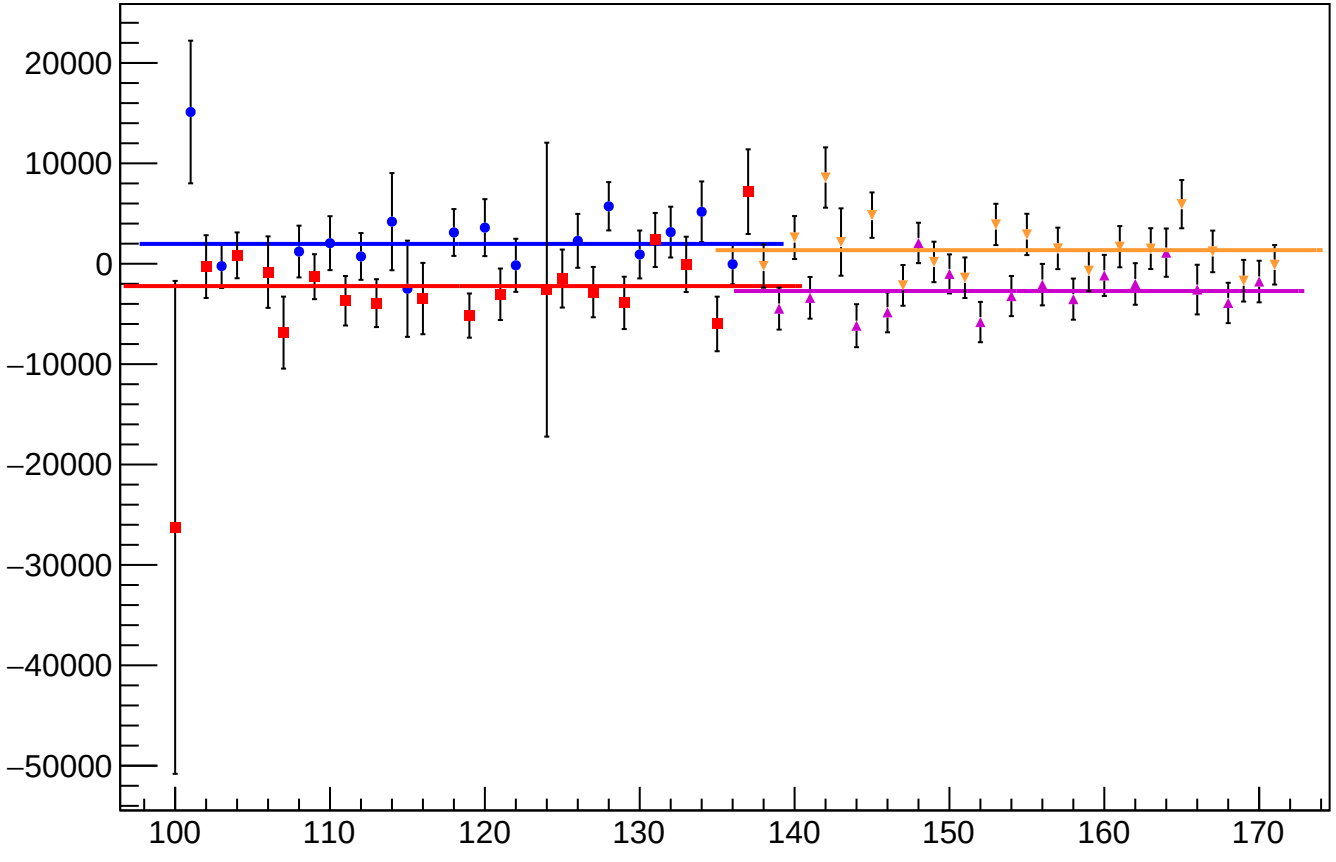
Left In: 5055.516+/-1.006 χ^2/NDF:998058.7/15

+ sign 2579.025+/-0.479 χ^2/NDF: 13439123.2/33

All: 2384.057+/-0.332 χ^2/NDF: 31751564.8/6

- sign 2203.938+/-0.460 χ^2/NDF: 17993079.2/34

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.036+/-507.151 χ^2/NDF:23.8/17

Right Out: -2226.267+/-656.286 χ^2/NDF: 19.0/18

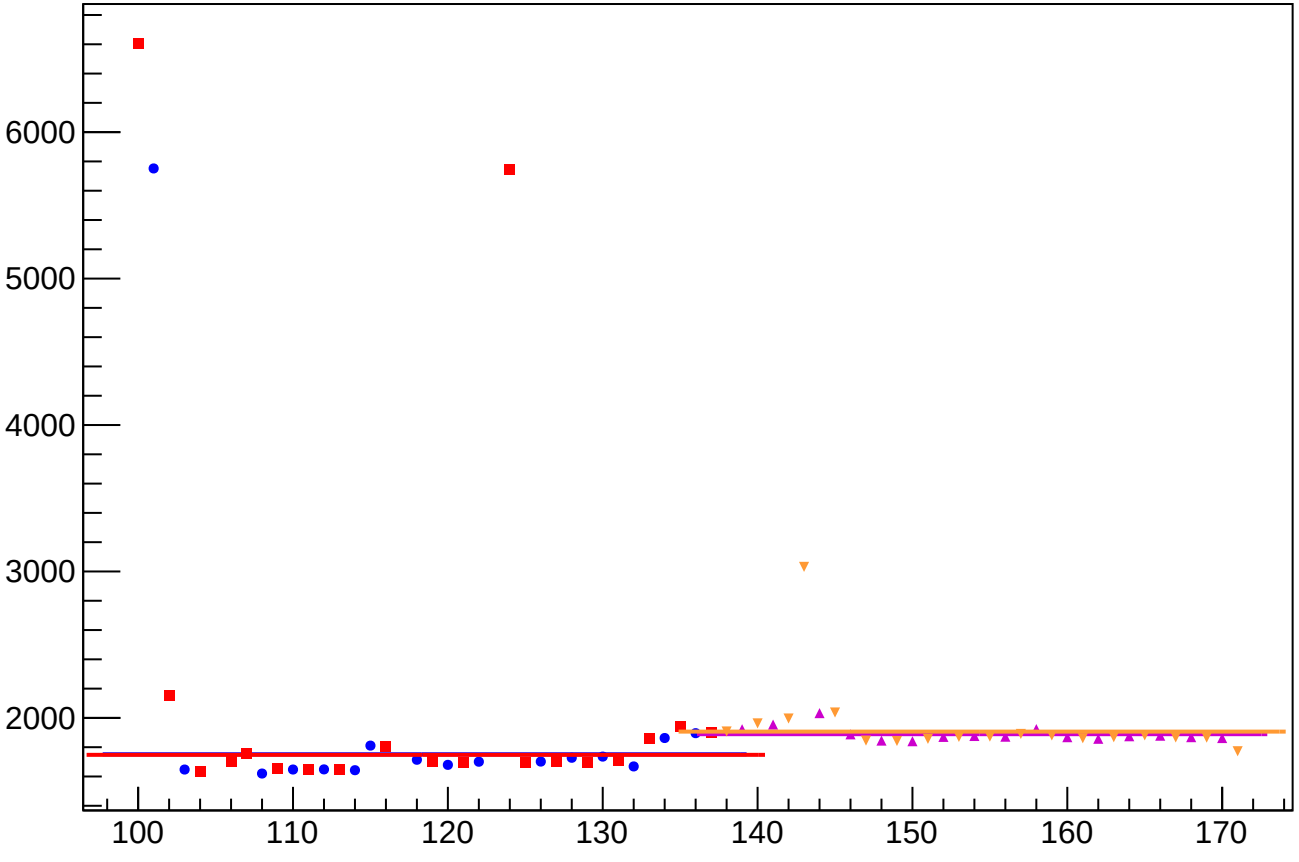
Left In: -2717.943+/-519.647 χ^2/NDF:17.4/15

+ sign 1580.290+/-403.864 χ^2/NDF: 36.5/33

All: -456.183+/-286.817 χ^2/NDF: 124.6/68

- sign -2528.475+/-407.401 χ^2/NDF: 36.8/34

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

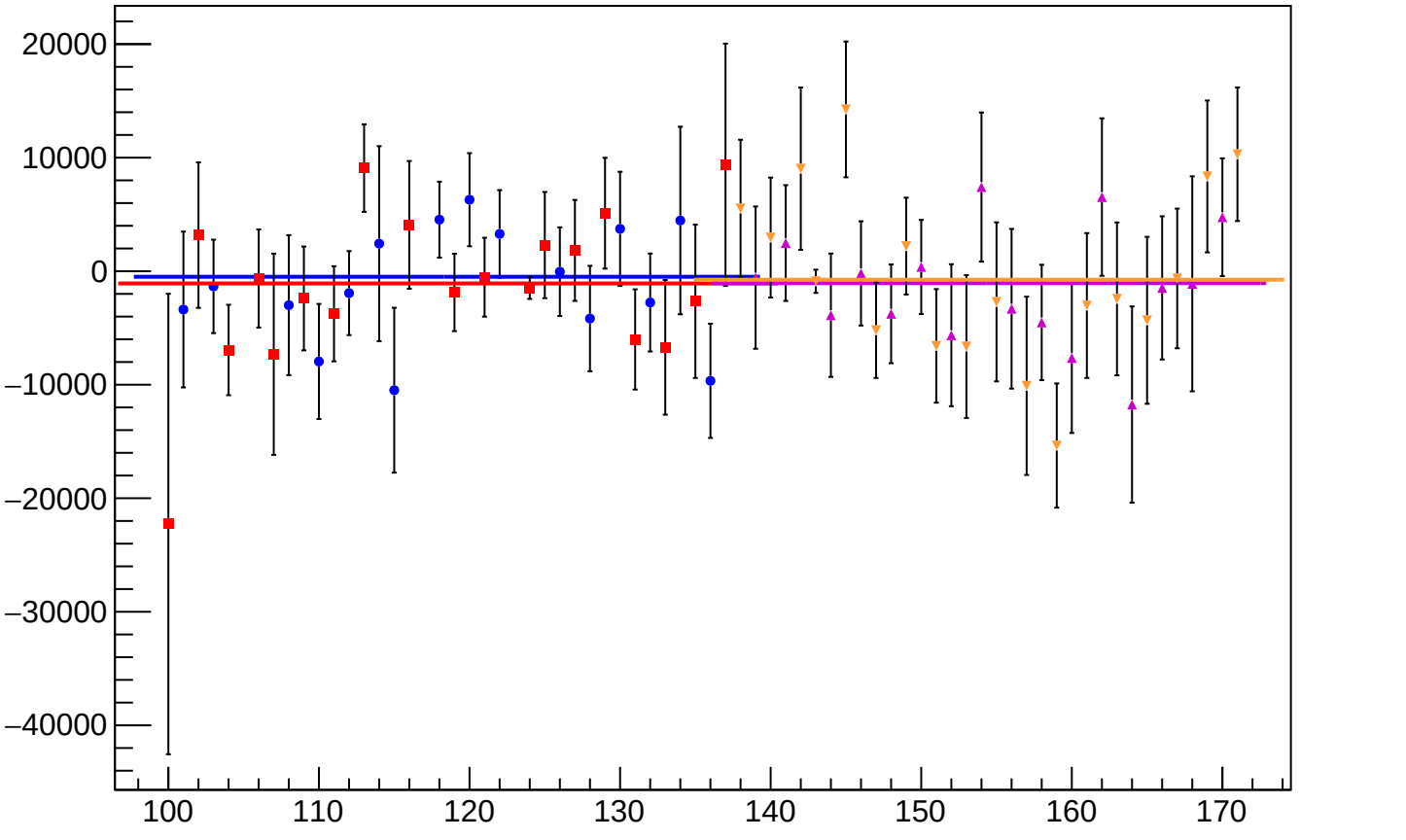
Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1888.874+/-0.367 χ^2/NDF:15943.2/15

+ sign 1849.812+/-0.286 χ^2/NDF: 992966.5/33

All: 1842.090+/-0.203 χ^2/NDF: 1365375.8/68

- sign 1834.255+/-0.288 χ^2/NDF: 370936.2/34



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -750.414+/-828.449 χ^2/NDF:28.0/17

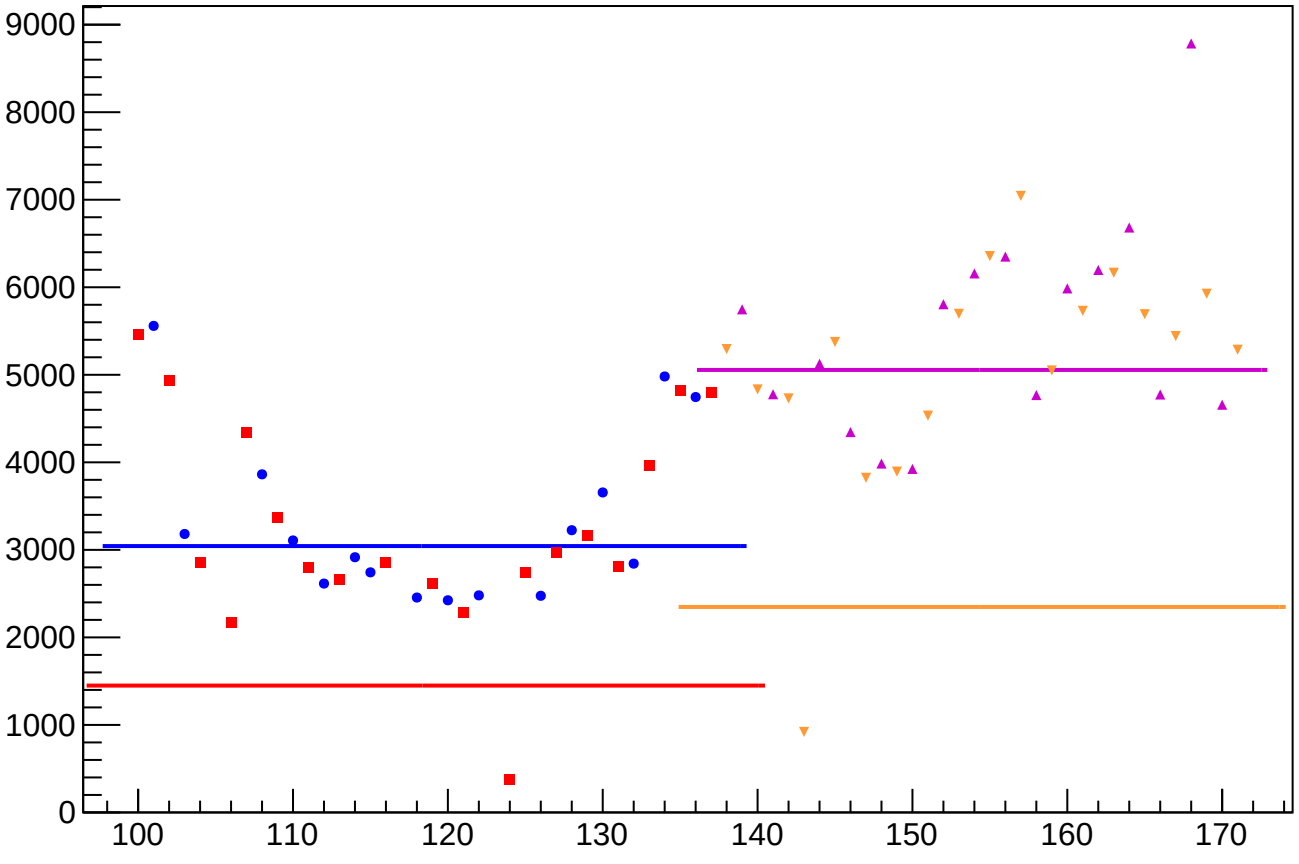
Right Out: -1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: -1051.721+/-1422.083 χ^2/NDF:9.0/15

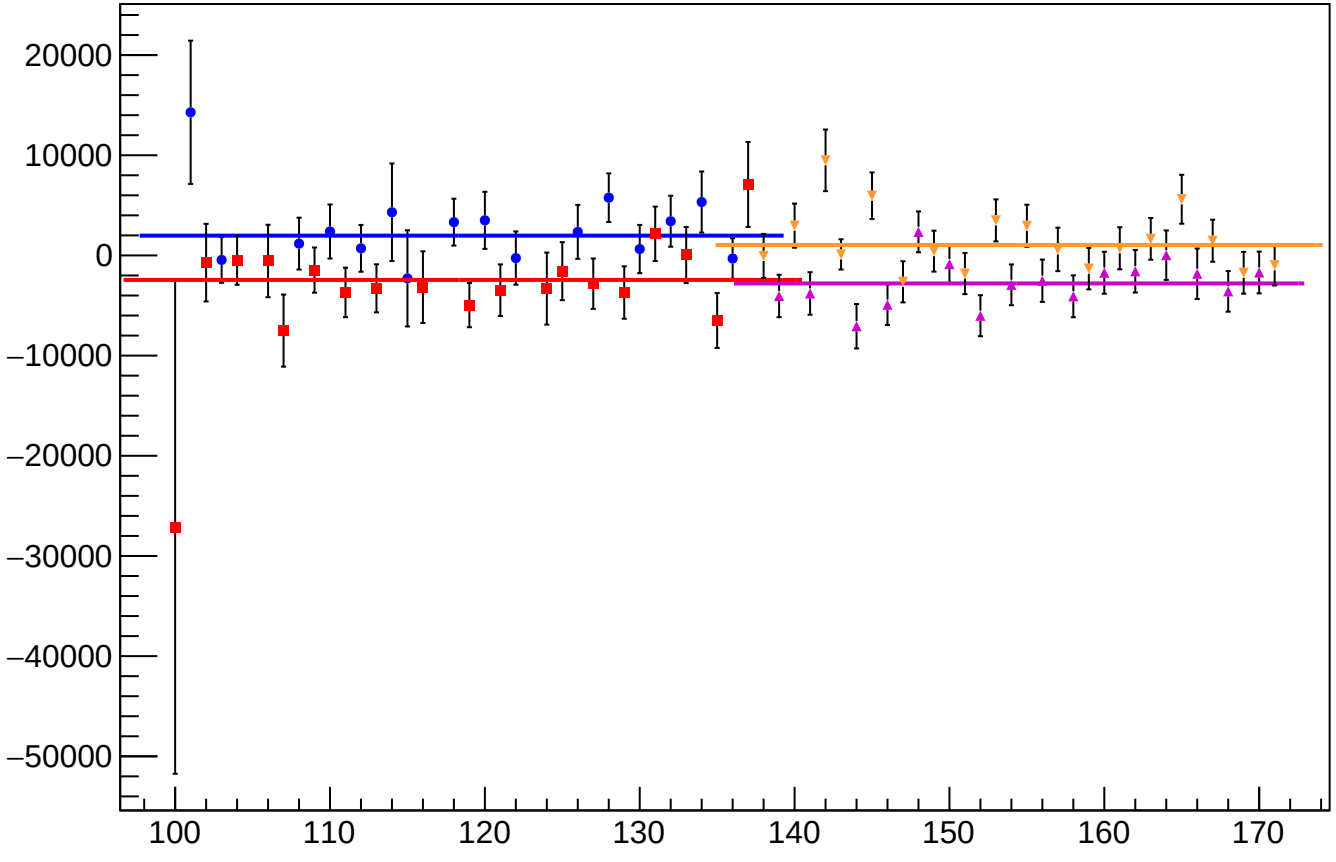
+ sign -664.741+/-676.740 χ^2/NDF: 44.0/33

All: -877.895+/-468.959 χ^2/NDF: 71.7/68

- sign -1074.814+/-650.458 χ^2/NDF: 27.5/34


asym_atr1l2_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 3043.270+/-0.830 χ²/NDF: 905659.7/15
Left Out: 2347.550+/-0.586 χ²/NDF:12064176.4/17
Right Out: 1449.516+/-0.517 χ²/NDF: 6825716.5/18
Left In: 5055.516+/-1.006 χ²/NDF:998058.7/15
+ sign 2579.025+/-0.479 χ²/NDF: 13439123.2/33
All: 2384.057+/-0.332 χ²/NDF: 31751564.8/6
- sign 2203.938+/-0.460 χ²/NDF: 17993079.2/34

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1046.212+/-494.972 χ^2/NDF:28.6/17

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

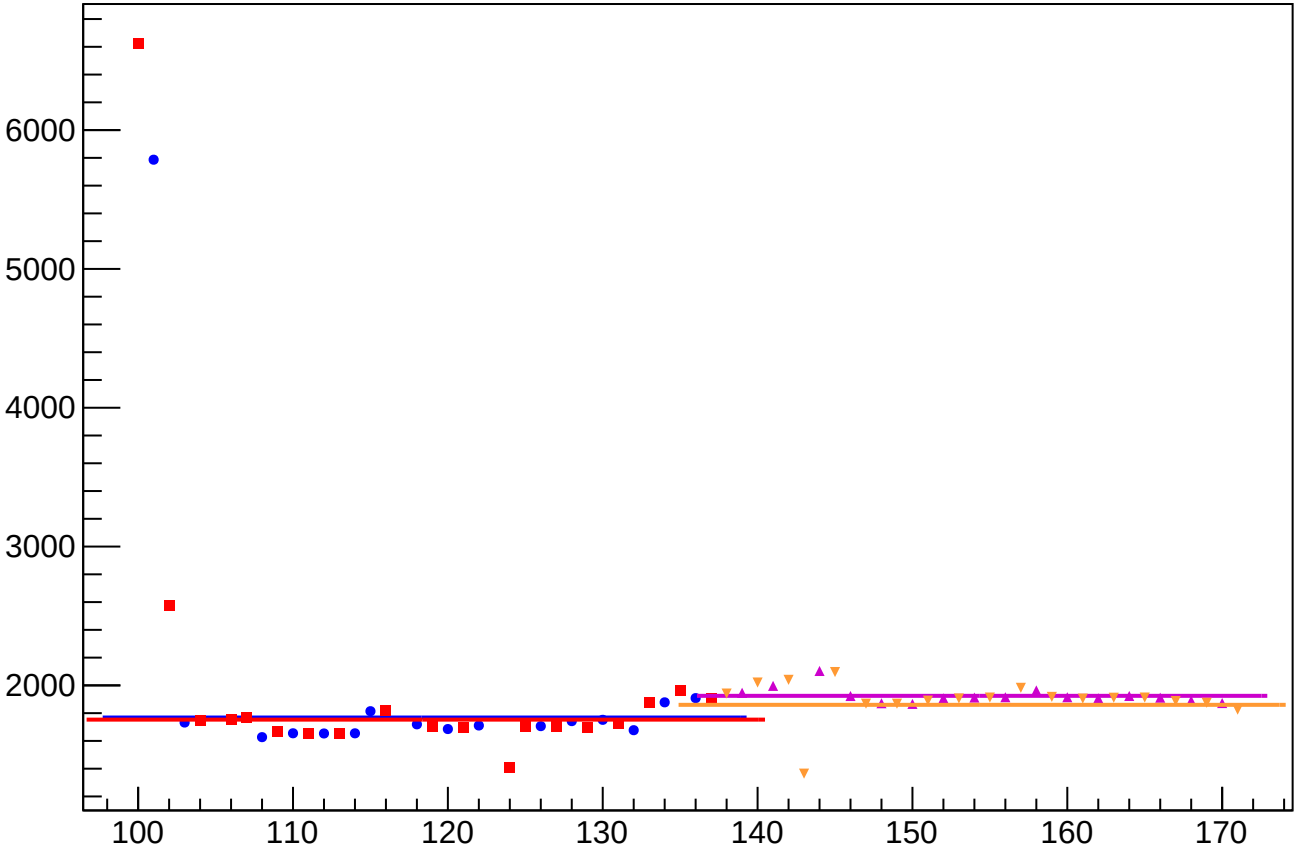
Left In: -2795.124+/-529.595 χ^2/NDF:18.1/15

+ sign 1371.849+/-398.966 χ^2/NDF: 42.3/33

All: -575.505+/-286.773 χ^2/NDF: 127.3/68

- sign -2657.085+/-412.487 χ^2/NDF: 35.7/34

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.937+/-0.350 χ^2/NDF:271085.2/17

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

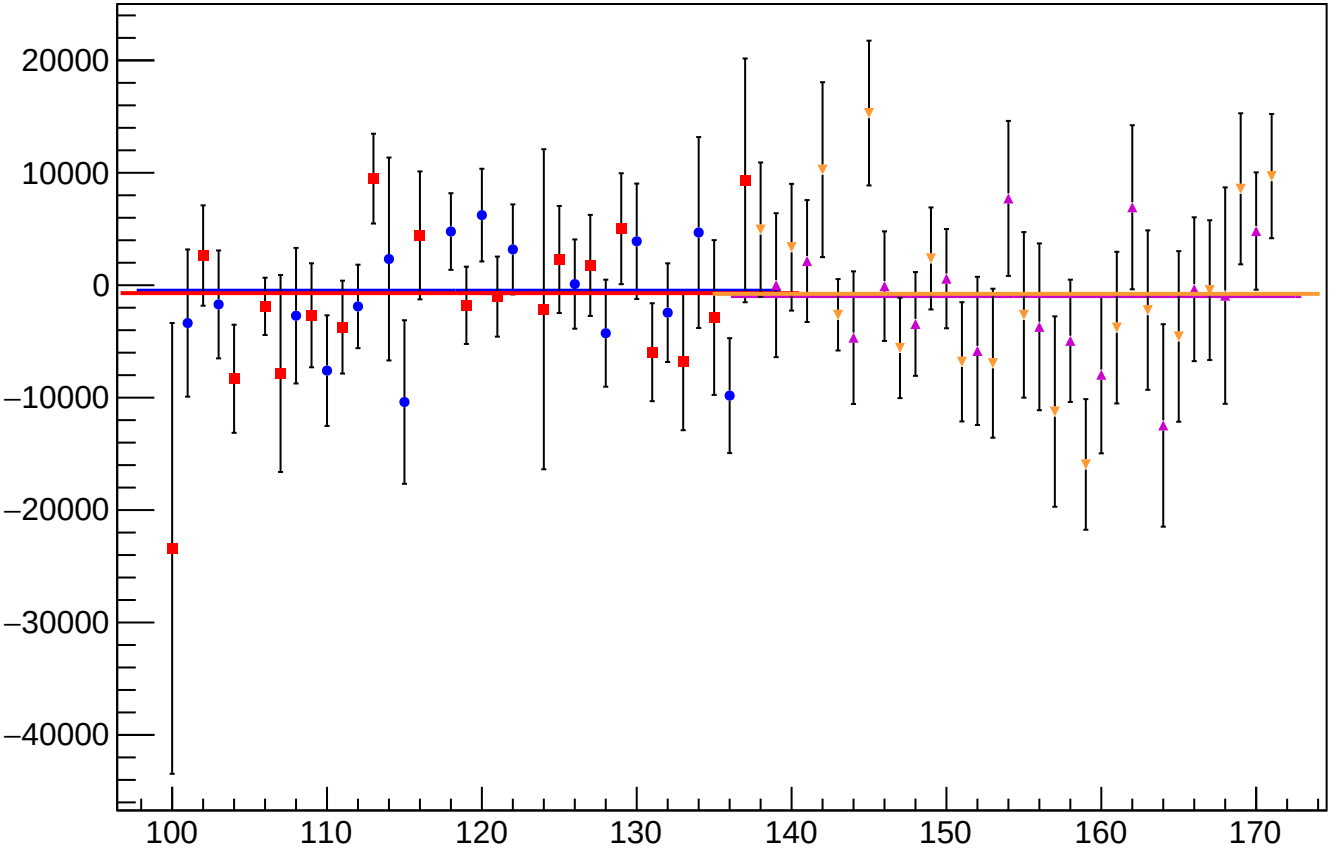
Left In: 1924.755+/-0.374 χ^2/NDF:21692.3/15

+ sign 1827.899+/-0.282 χ^2/NDF: 962371.6/33

All: 1842.041+/-0.203 χ^2/NDF: 1290765.2/68

- sign 1857.127+/-0.291 χ^2/NDF: 323200.2/34

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -767.140+/-1338.200 χ^2/NDF:28.3/17

Right Out: -703.324+/-1069.467 χ^2/NDF: 18.8/18

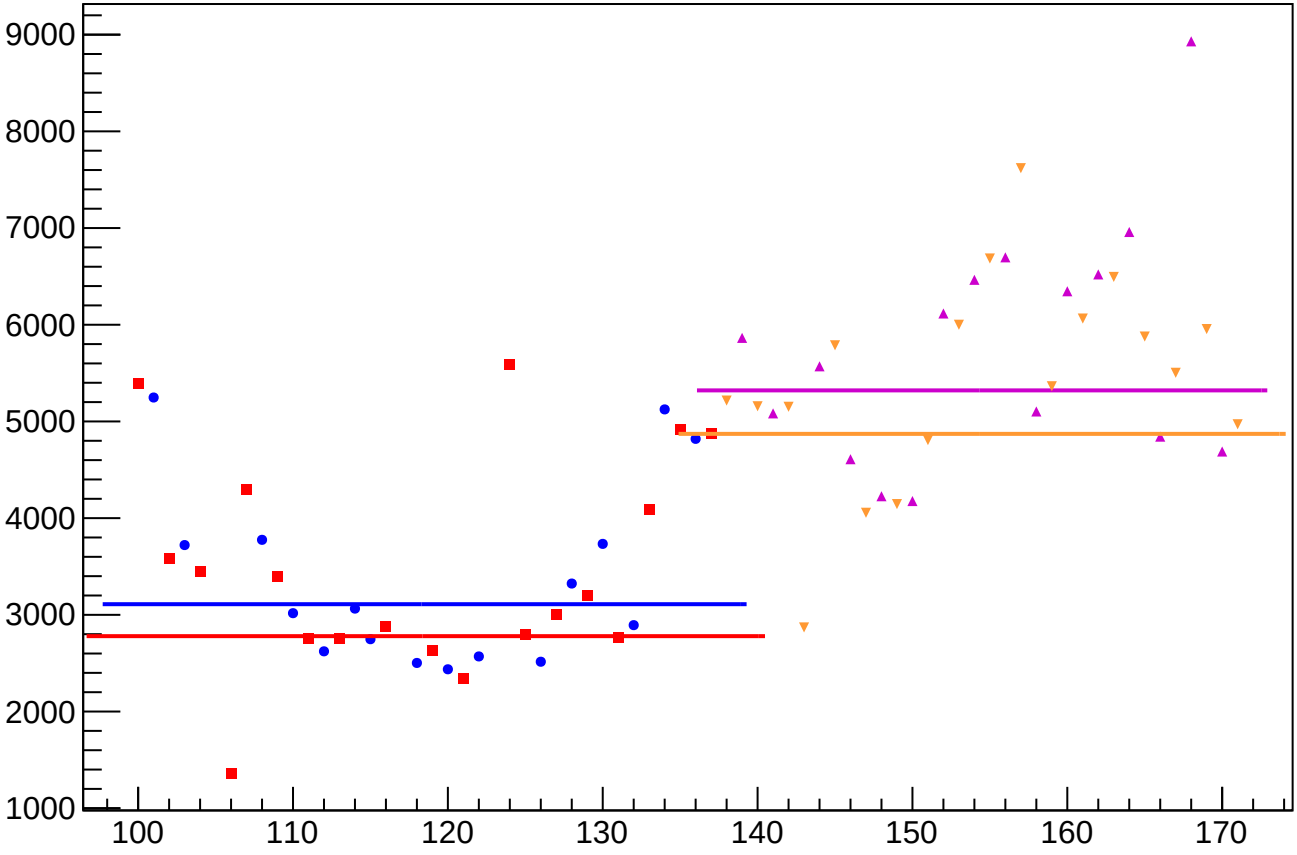
Left In: -963.062+/-1495.601 χ^2/NDF:9.0/15

+ sign -612.302+/-892.788 χ^2/NDF: 44.1/33

All: -704.071+/-623.060 χ^2/NDF: 72.0/68

- sign -791.201+/-869.936 χ^2/NDF: 27.9/34

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4871.523+/-0.946 χ^2/NDF:1647505.3/17

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

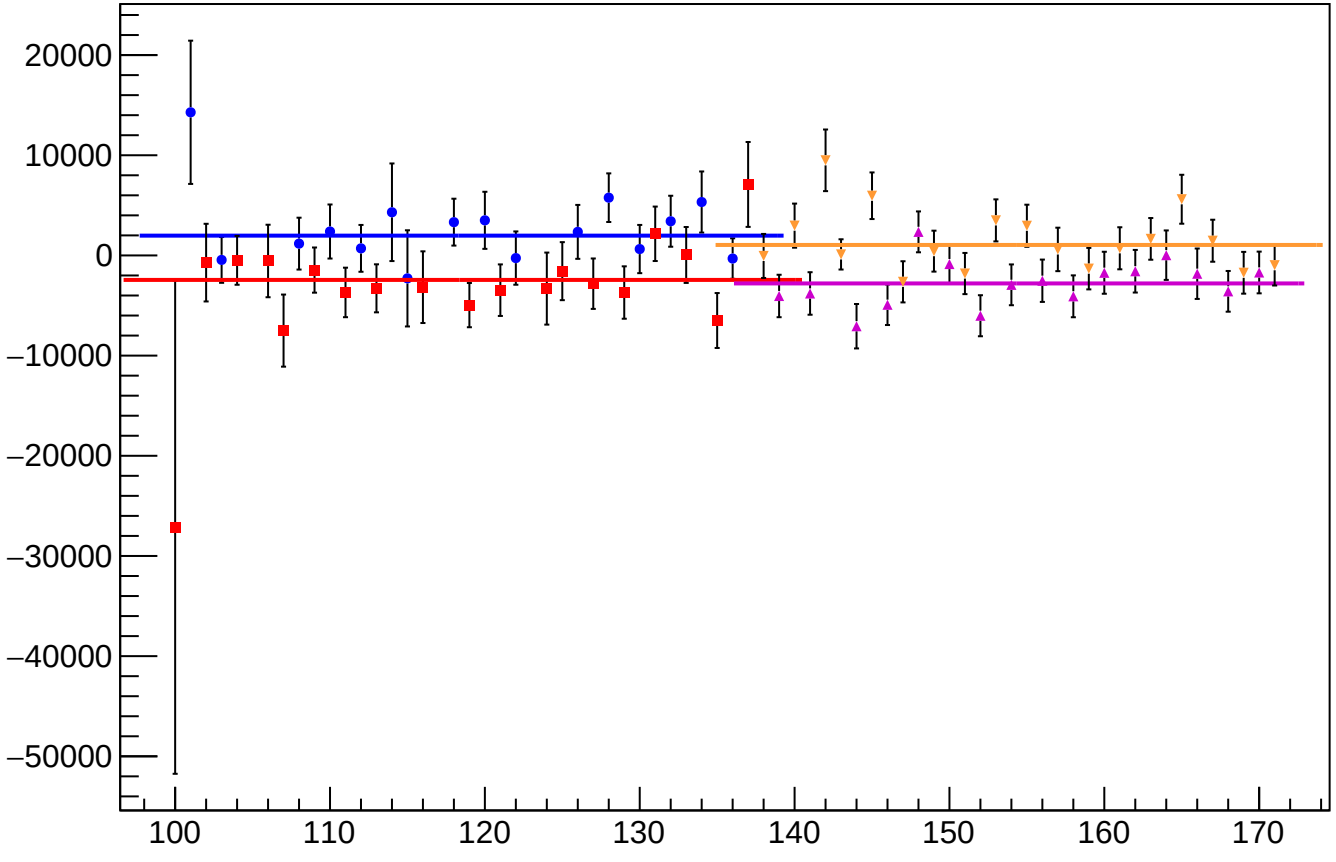
Left In: 5321.184+/-1.058 χ^2/NDF:952490.2/15

+ sign 3894.122+/-0.631 χ^2/NDF: 4453487.0/33

All: 3763.521+/-0.441 χ^2/NDF: 10659081.1/6

- sign 3639.520+/-0.615 χ^2/NDF: 6122159.9/34

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1046.210+/-494.972 χ^2/NDF:28.6/17

Right Out: -2444.199+/-657.682 χ^2/NDF: 17.5/18

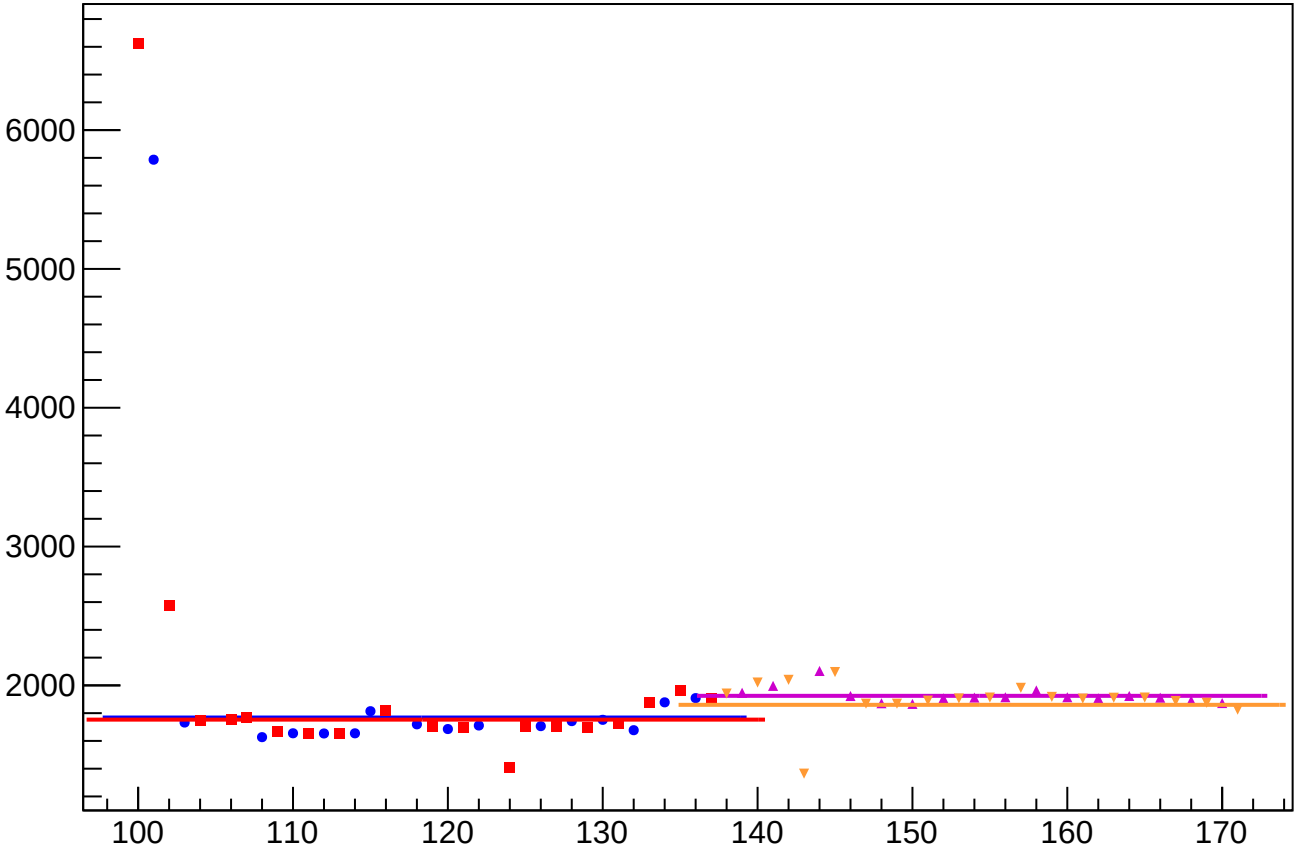
Left In: -2795.124+/-529.596 χ^2/NDF:18.1/15

+ sign 1371.848+/-398.966 χ^2/NDF: 42.3/33

All: -575.506+/-286.773 χ^2/NDF: 127.3/68

- sign -2657.085+/-412.487 χ^2/NDF: 35.7/34

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.937+/-0.350 χ^2/NDF:271086.7/17

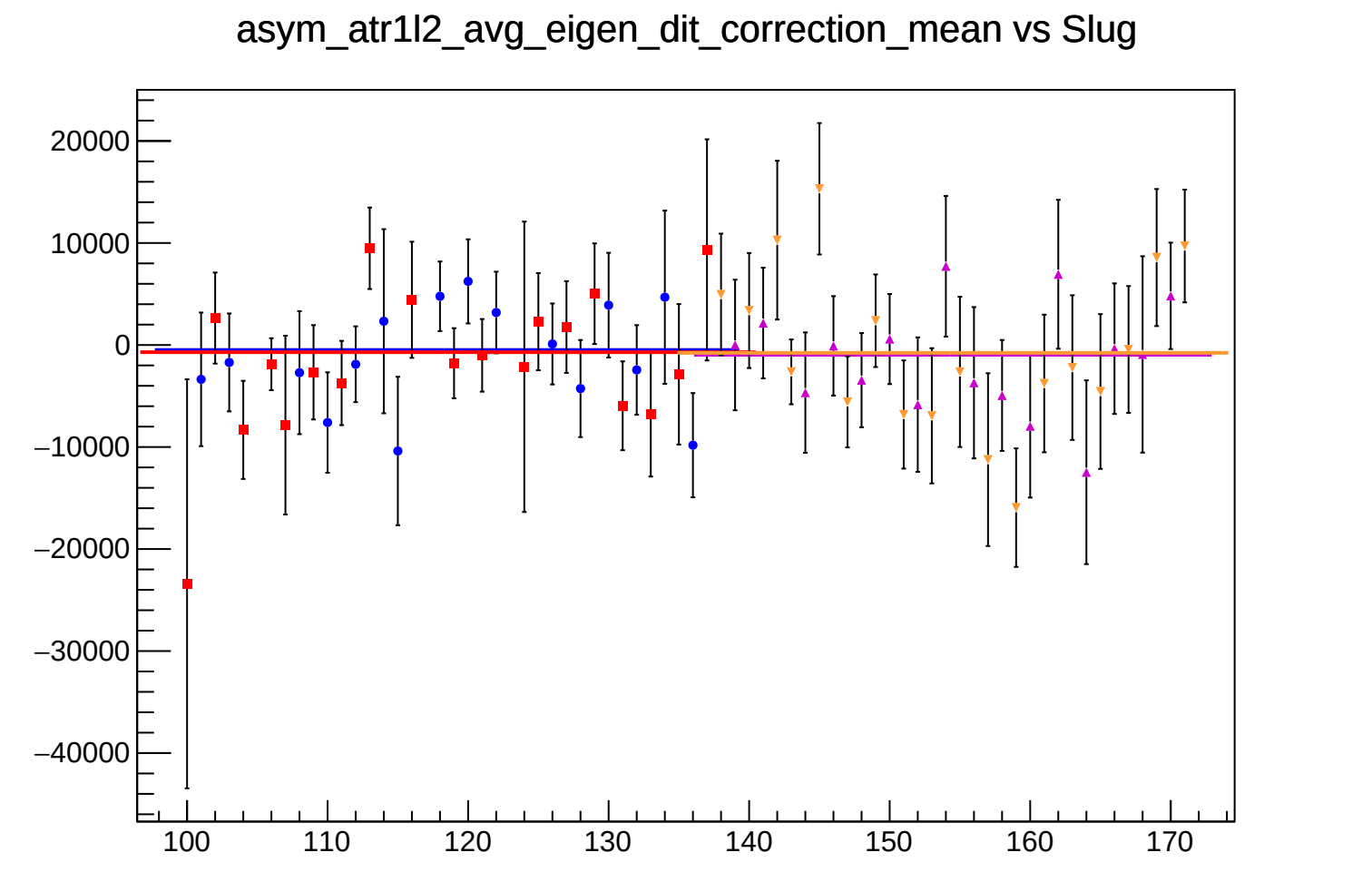
Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1924.756+/-0.374 χ^2/NDF:21692.6/15

+ sign 1827.900+/-0.282 χ^2/NDF: 962373.4/33

All: 1842.042+/-0.203 χ^2/NDF: 1290768.5/68

- sign 1857.127+/-0.291 χ^2/NDF: 323201.6/34



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -767.147+/-1338.202 χ^2/NDF:28.3/17

Right Out: -703.325+/-1069.463 χ^2/NDF: 18.8/18

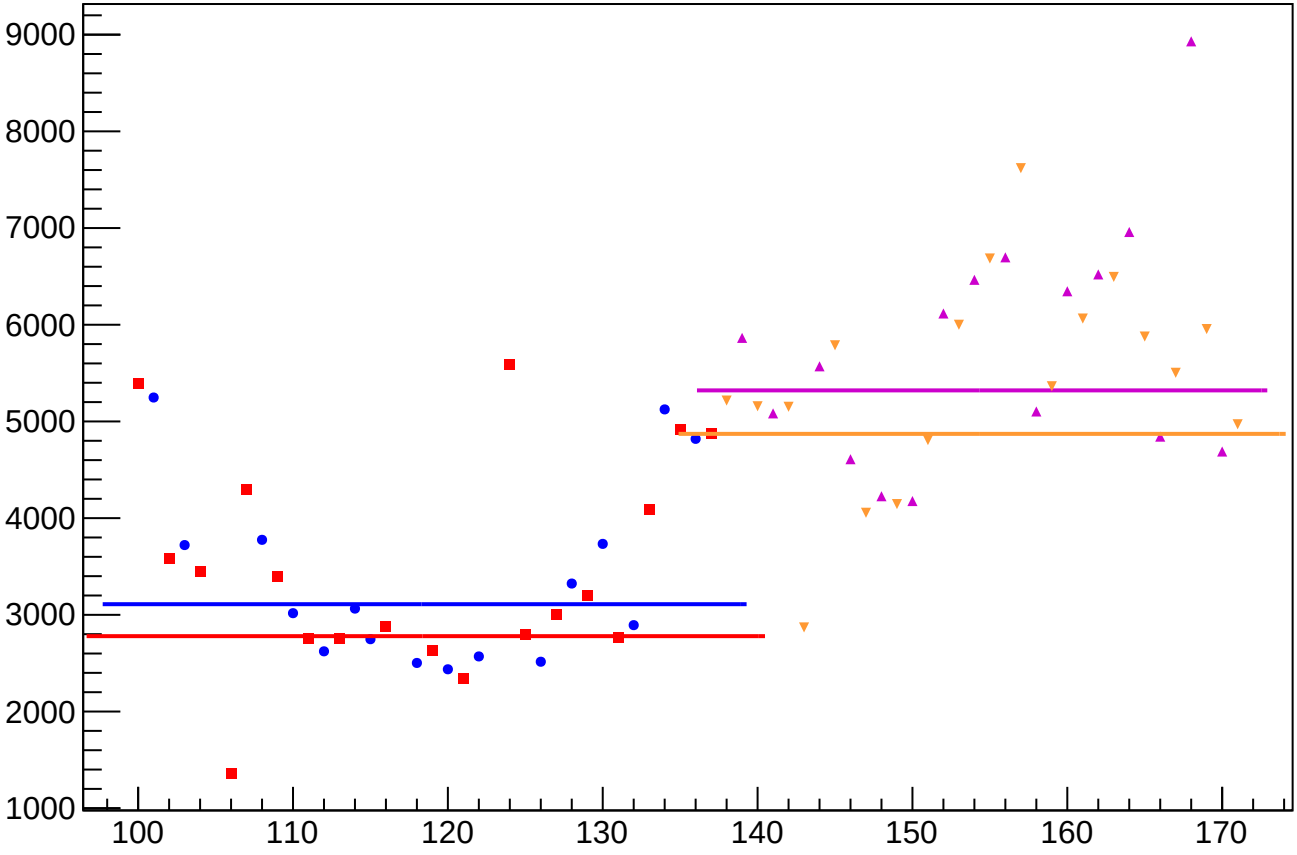
Left In: -963.061+/-1495.603 χ^2/NDF:9.0/15

+ sign -612.301+/-892.787 χ^2/NDF: 44.1/33

All: -704.070+/-623.059 χ^2/NDF: 72.0/68

- sign -791.202+/-869.934 χ^2/NDF: 27.9/34

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4871.528+/-0.946 χ^2/NDF:1647513.2/17

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

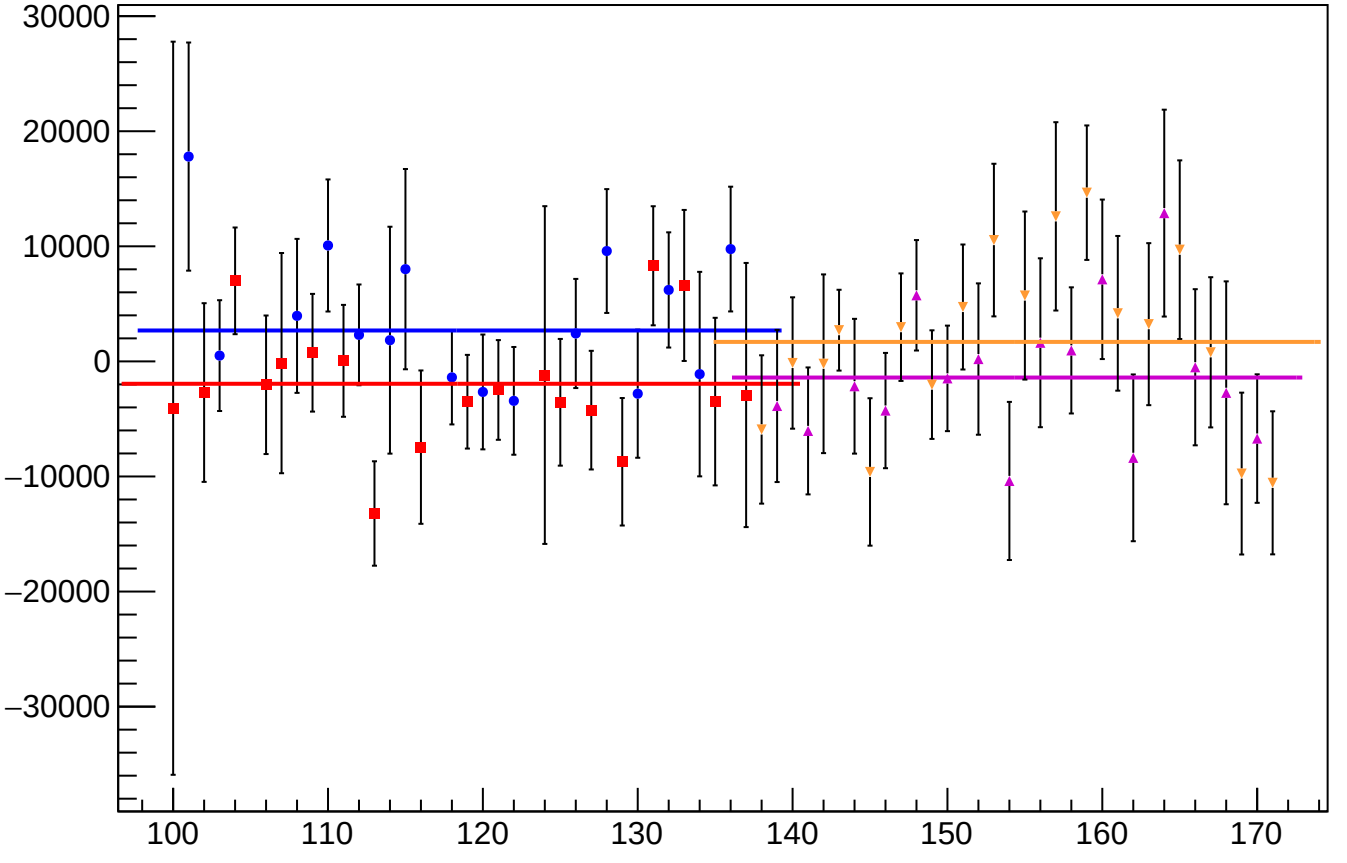
Left In: 5321.189+/-1.058 χ^2/NDF:952494.2/15

+ sign 3894.115+/-0.631 χ^2/NDF: 4453543.1/33

All: 3763.511+/-0.441 χ^2/NDF: 10659223.7/6

- sign 3639.507+/-0.615 χ^2/NDF: 6122243.2/34

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1693.241+/-1392.589 χ^2/NDF:22.3/17

Right Out: -1945.685+/-1332.986 χ^2/NDF: 18.7/18

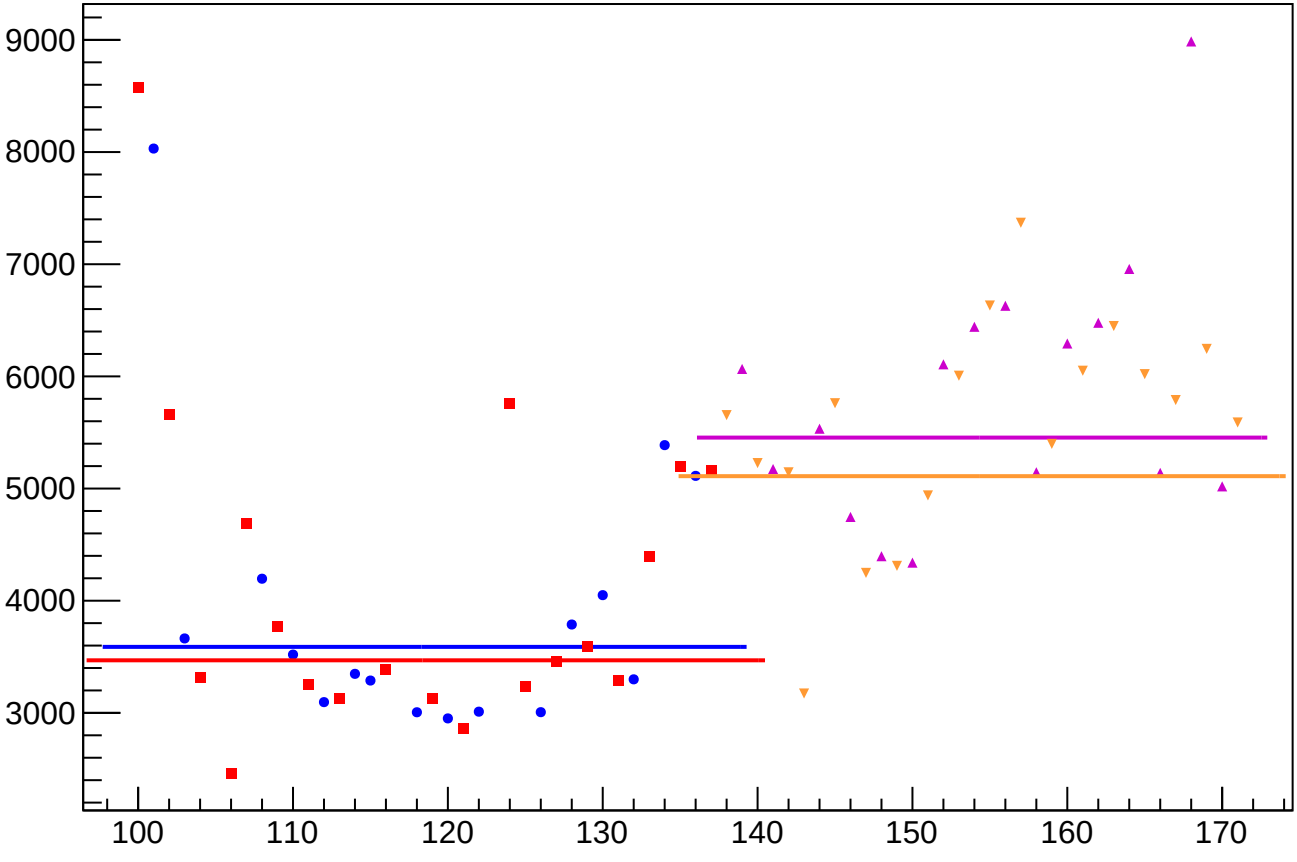
Left In: -1403.932+/-1527.405 χ^2/NDF:11.4/15

+ sign 2193.866+/-980.194 χ^2/NDF: 36.1/33

All: 288.655+/-701.473 χ^2/NDF: 74.0/68

- sign -1711.462+/-1004.312 χ^2/NDF: 30.2/34

asym_atr1l2_avg_rms vs Slug



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5110.402+/-0.985 χ^2/NDF:1277292.6/17

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

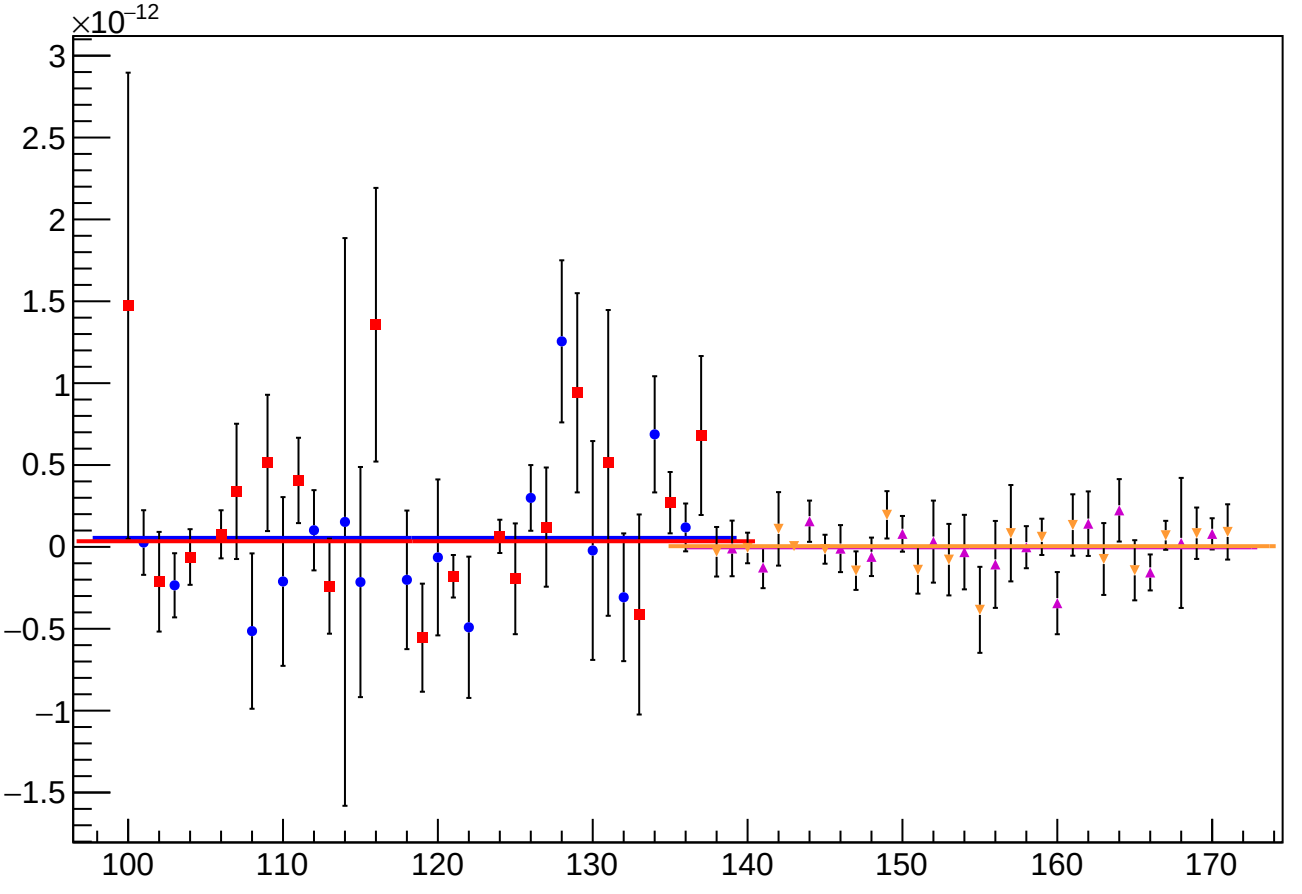
Left In: 5454.308+/-1.080 χ^2/NDF:804319.5/15

+ sign 4342.453+/-0.693 χ^2/NDF: 3327888.5/33

All: 4327.581+/-0.494 χ^2/NDF: 6743812.2/68

- sign 4312.238+/-0.704 χ^2/NDF: 3414988.2/34

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:9.7/17

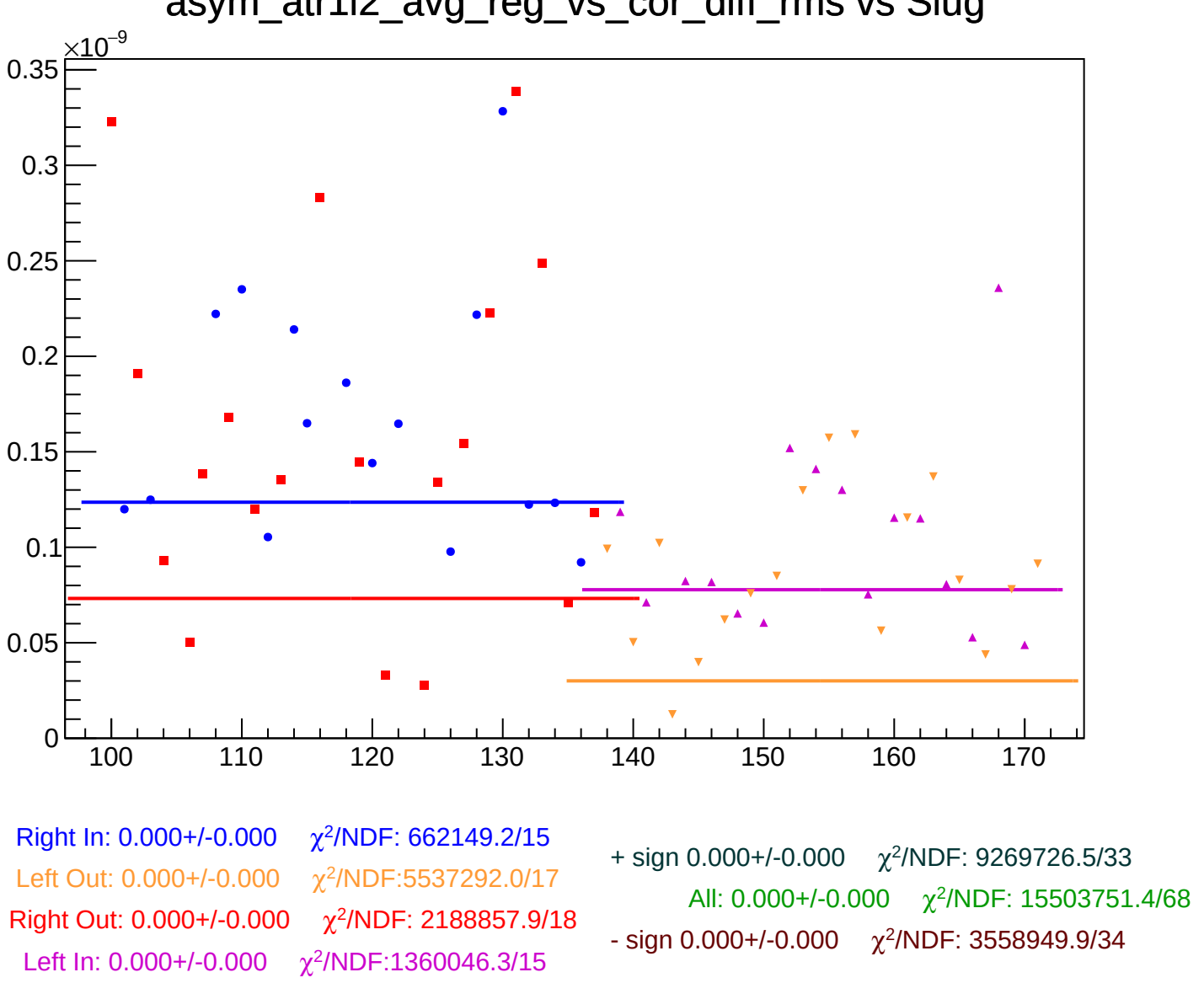
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/15

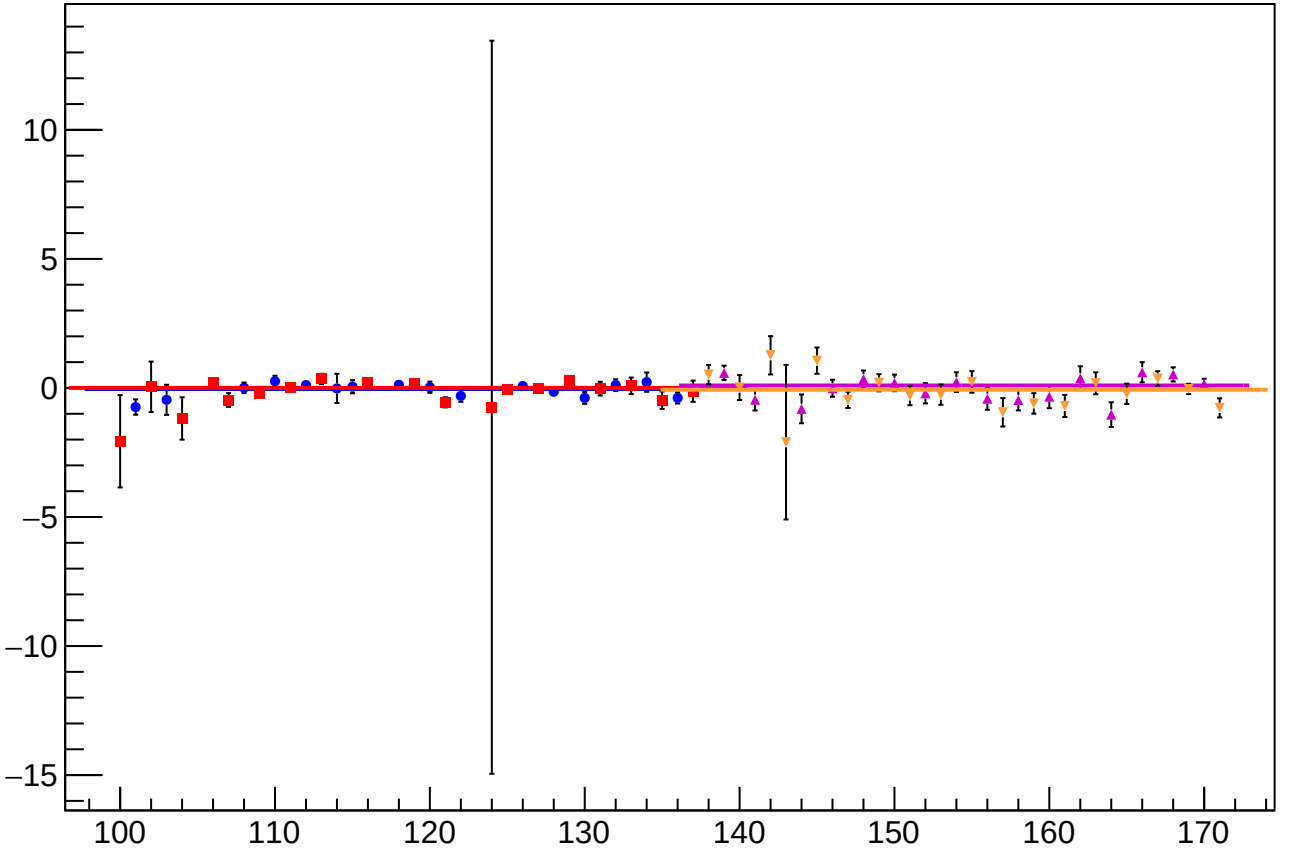
+ sign 0.000+/-0.000 χ^2/NDF: 27.9/33

All: 0.000+/-0.000 χ^2/NDF: 61.9/68

- sign 0.000+/-0.000 χ^2/NDF: 34.0/34


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 662149.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5537292.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 2188857.9/18
Left In: 0.000+/-0.000 χ²/NDF:1360046.3/15
+ sign 0.000+/-0.000 χ²/NDF: 9269726.5/33
All: 0.000+/-0.000 χ²/NDF: 15503751.4/68
- sign 0.000+/-0.000 χ²/NDF: 3558949.9/34

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.069+/-0.089 χ^2/NDF:27.2/17

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

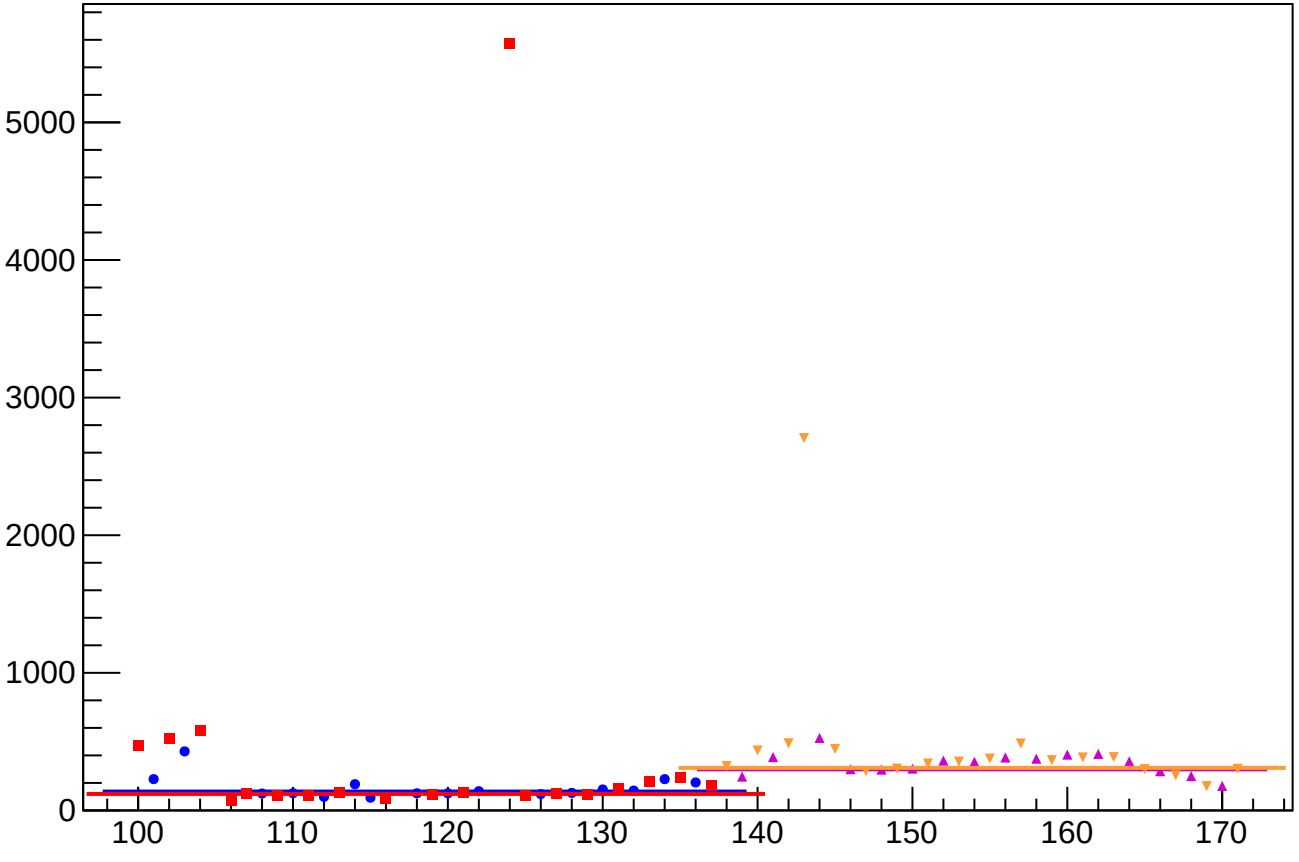
Left In: 0.095+/-0.087 χ^2/NDF:23.4/15

+ sign -0.048+/-0.047 χ^2/NDF: 45.2/33

All: -0.008+/-0.032 χ^2/NDF: 99.5/68

- sign 0.027+/-0.044 χ^2/NDF: 53.0/34

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 309.556+/-0.063 χ^2/NDF:3124618.9/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

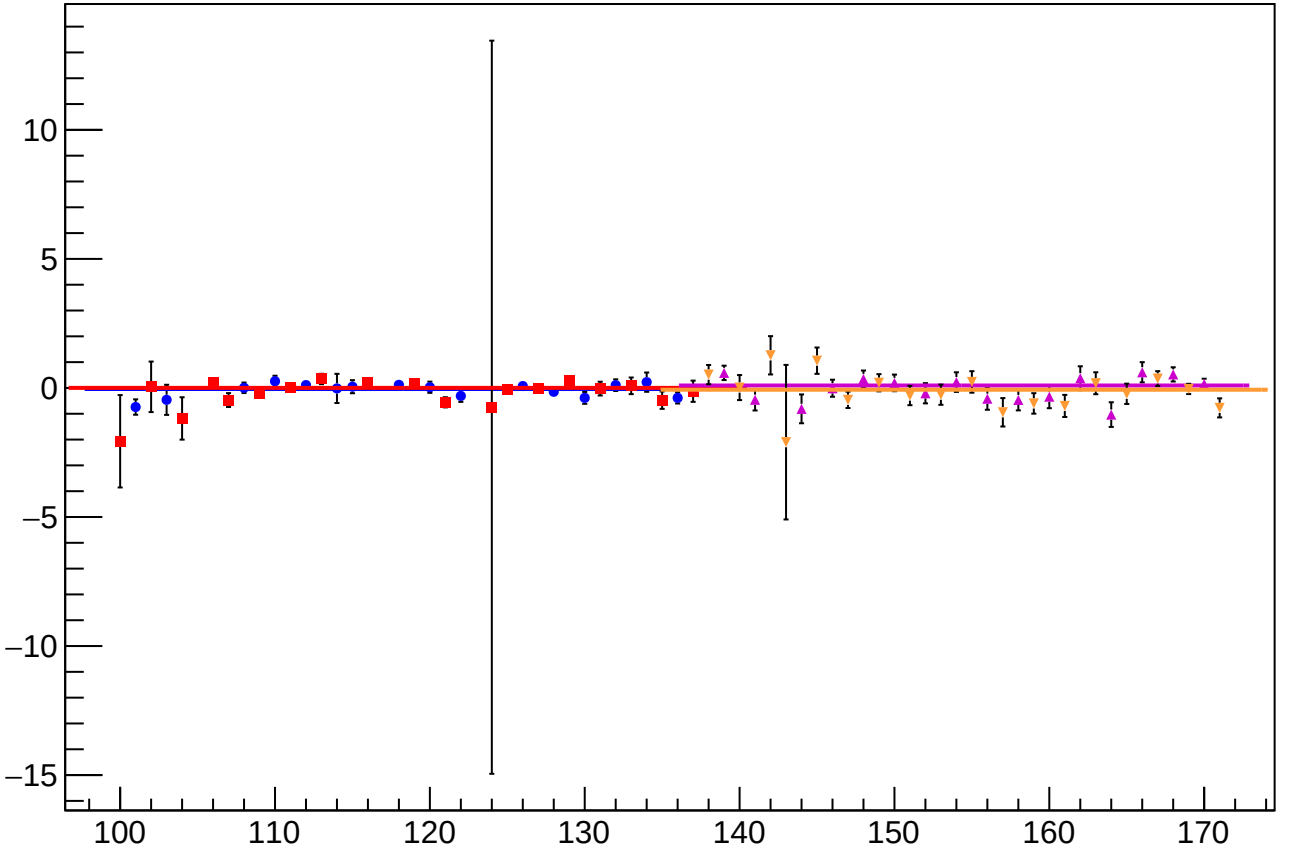
Left In: 298.616+/-0.061 χ^2/NDF:1786622.5/15

+ sign 186.313+/-0.033 χ^2/NDF: 9797812.5/33

All: 175.353+/-0.023 χ^2/NDF: 20244170.5/68

- sign 165.884+/-0.031 χ^2/NDF: 10245610.8/34

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: -0.069+/-0.089 χ^2/NDF:27.2/17

Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

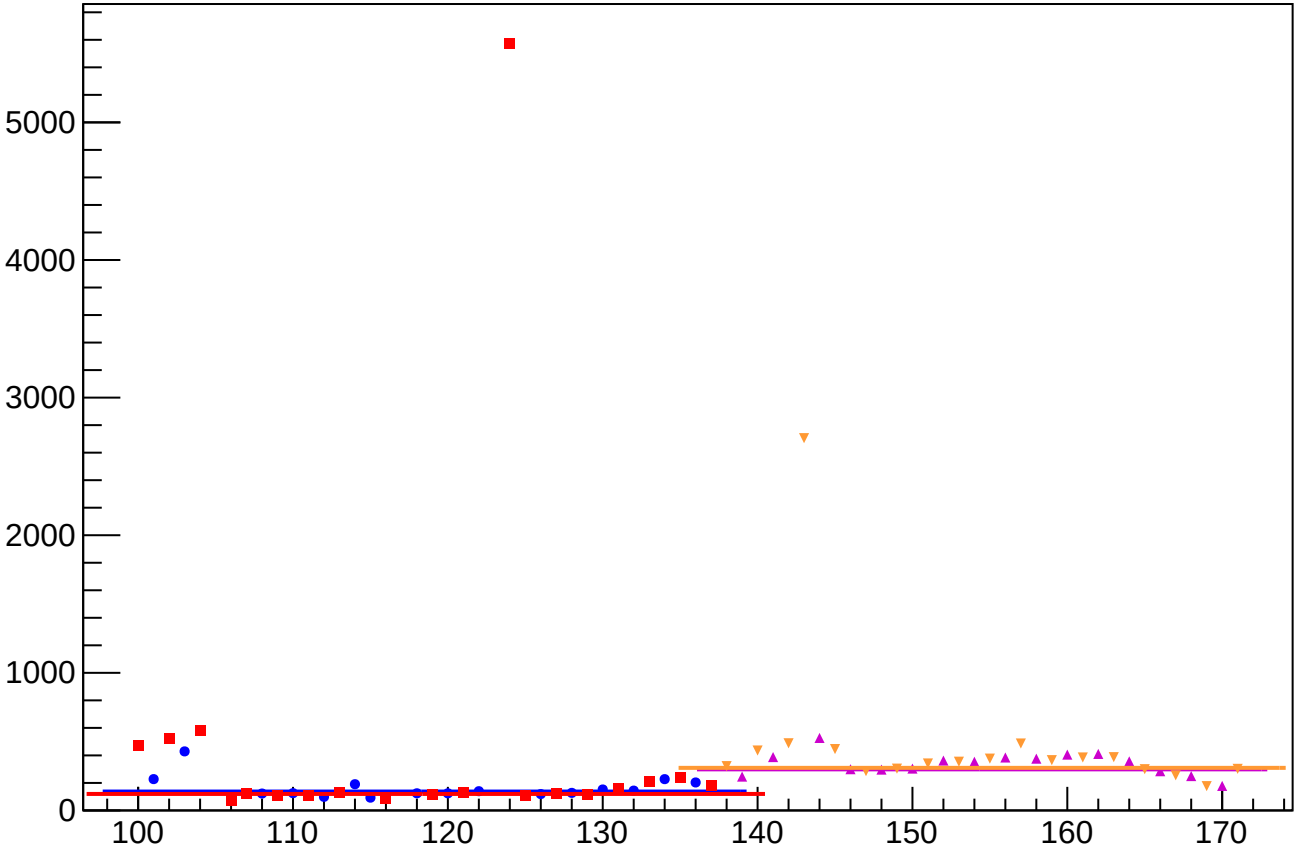
Left In: 0.095+/-0.087 χ^2/NDF:23.4/15

+ sign -0.048+/-0.047 χ^2/NDF: 45.2/33

All: -0.008+/-0.032 χ^2/NDF: 99.5/68

- sign 0.027+/-0.044 χ^2/NDF: 53.0/34

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: 309.556+/-0.063 χ^2/NDF:3124618.9/17

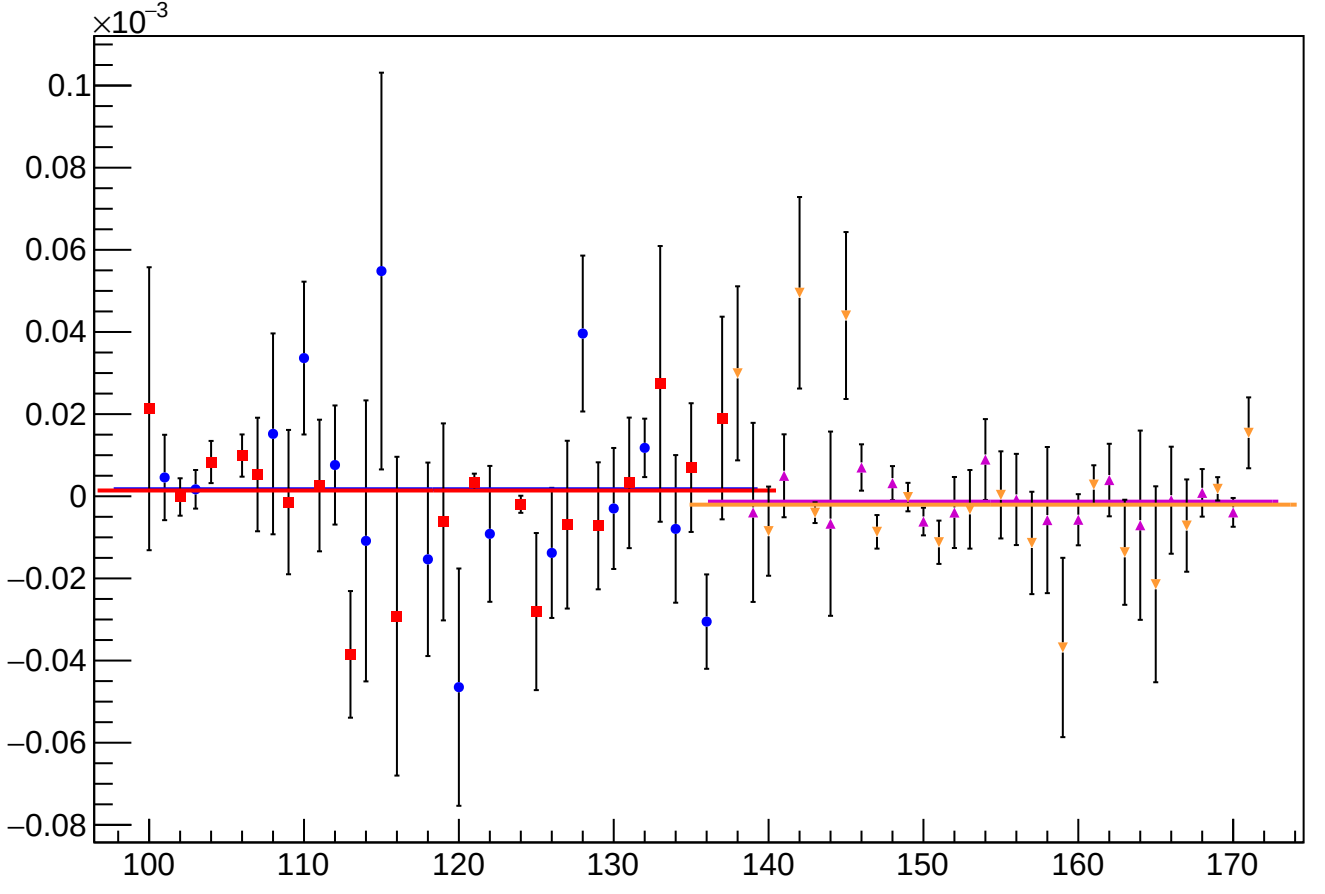
Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 298.616+/-0.061 χ^2/NDF:1786622.5/15

+ sign 186.313+/-0.033 χ^2/NDF: 9797812.5/33

All: 175.353+/-0.023 χ^2/NDF: 20244170.5/68

- sign 165.884+/-0.031 χ^2/NDF: 10245610.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

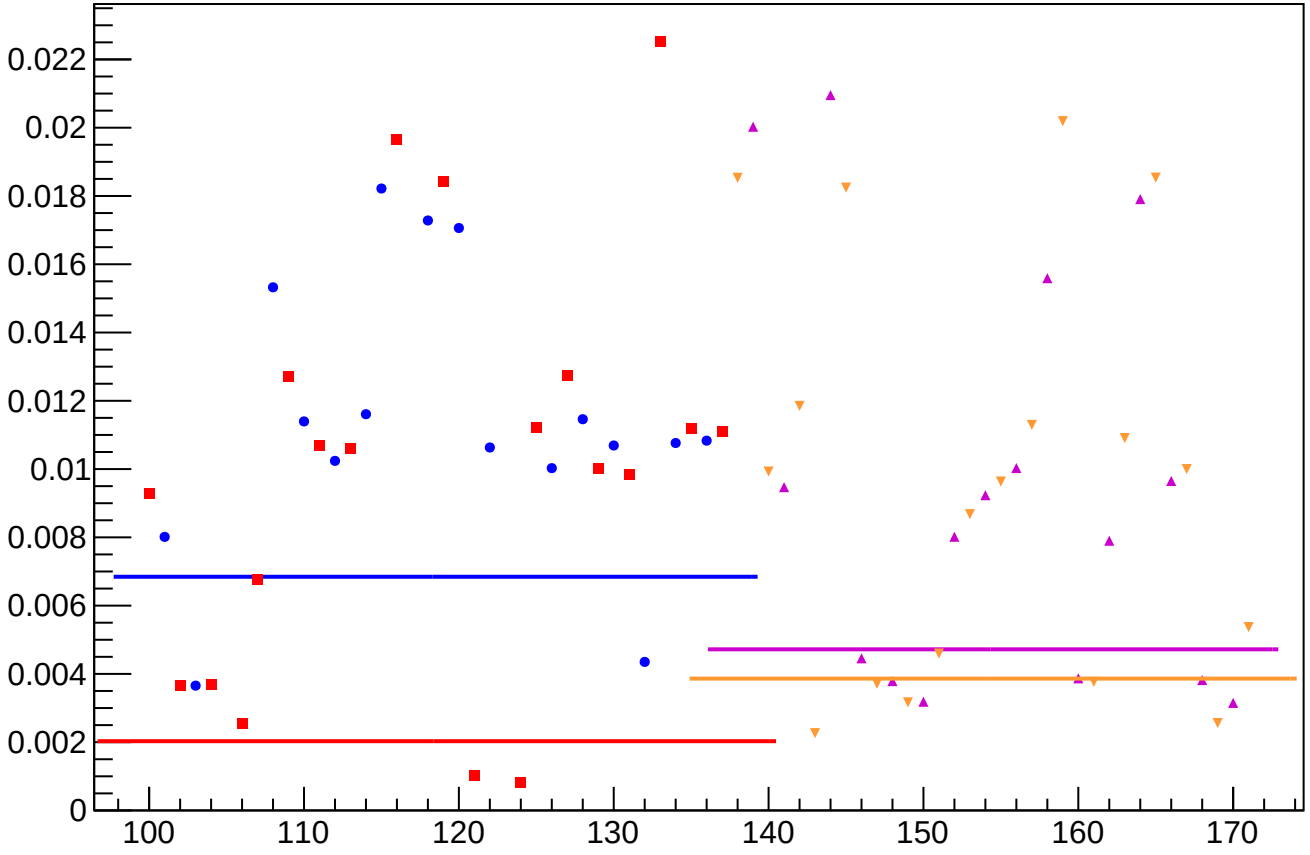
Left In: -0.000+/-0.000 χ^2/NDF:8.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 56.1/33

All: -0.000+/-0.000 χ^2/NDF: 88.3/68

- sign 0.000+/-0.000 χ^2/NDF: 30.8/34

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9116355.5/17

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

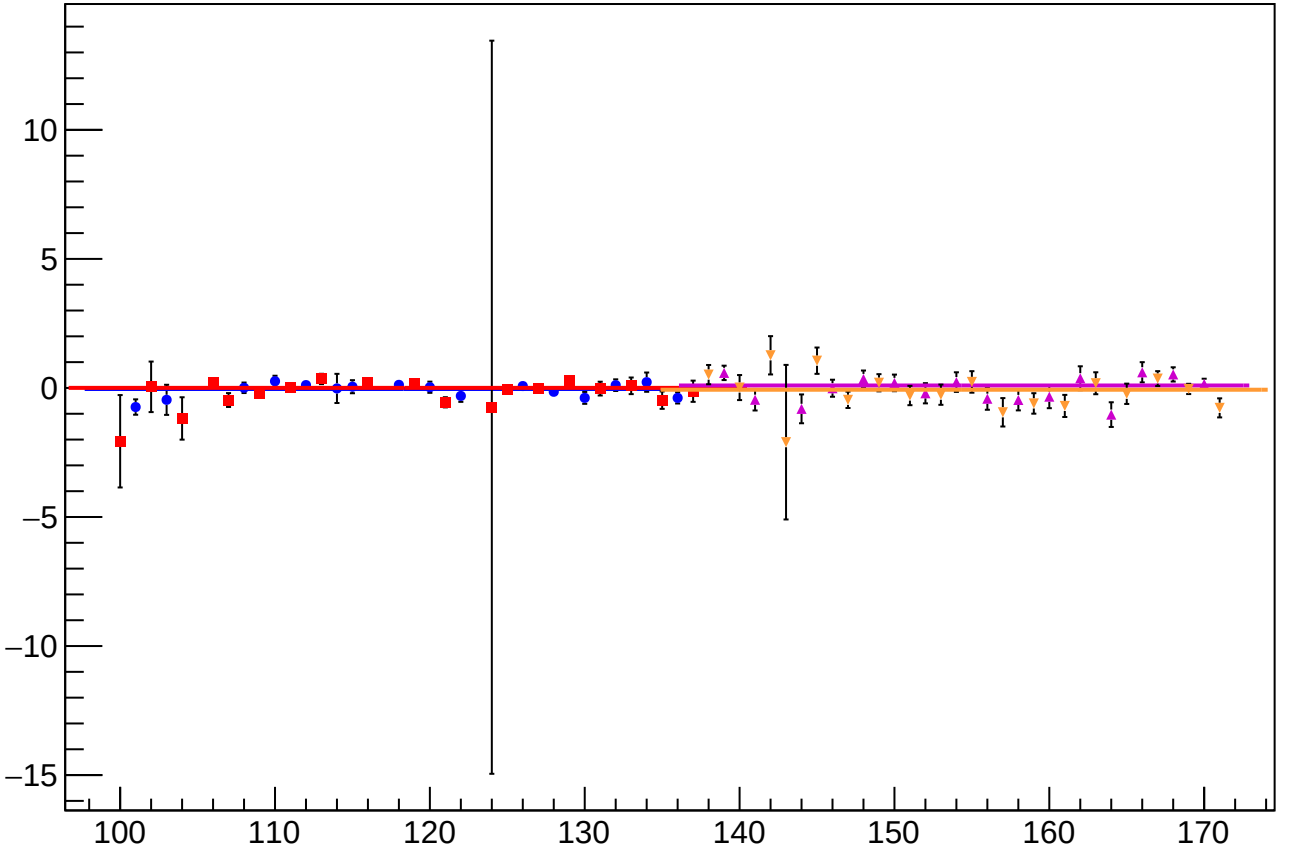
Left In: 0.005+/-0.000 χ^2/NDF:6601154.3/15

+ sign 0.004+/-0.000 χ^2/NDF: 14035650.4/33

All: 0.004+/-0.000 χ^2/NDF: 34516893.6/68

- sign 0.003+/-0.000 χ^2/NDF: 19071993.3/34

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: -0.069+/-0.089 χ^2/NDF:27.2/17

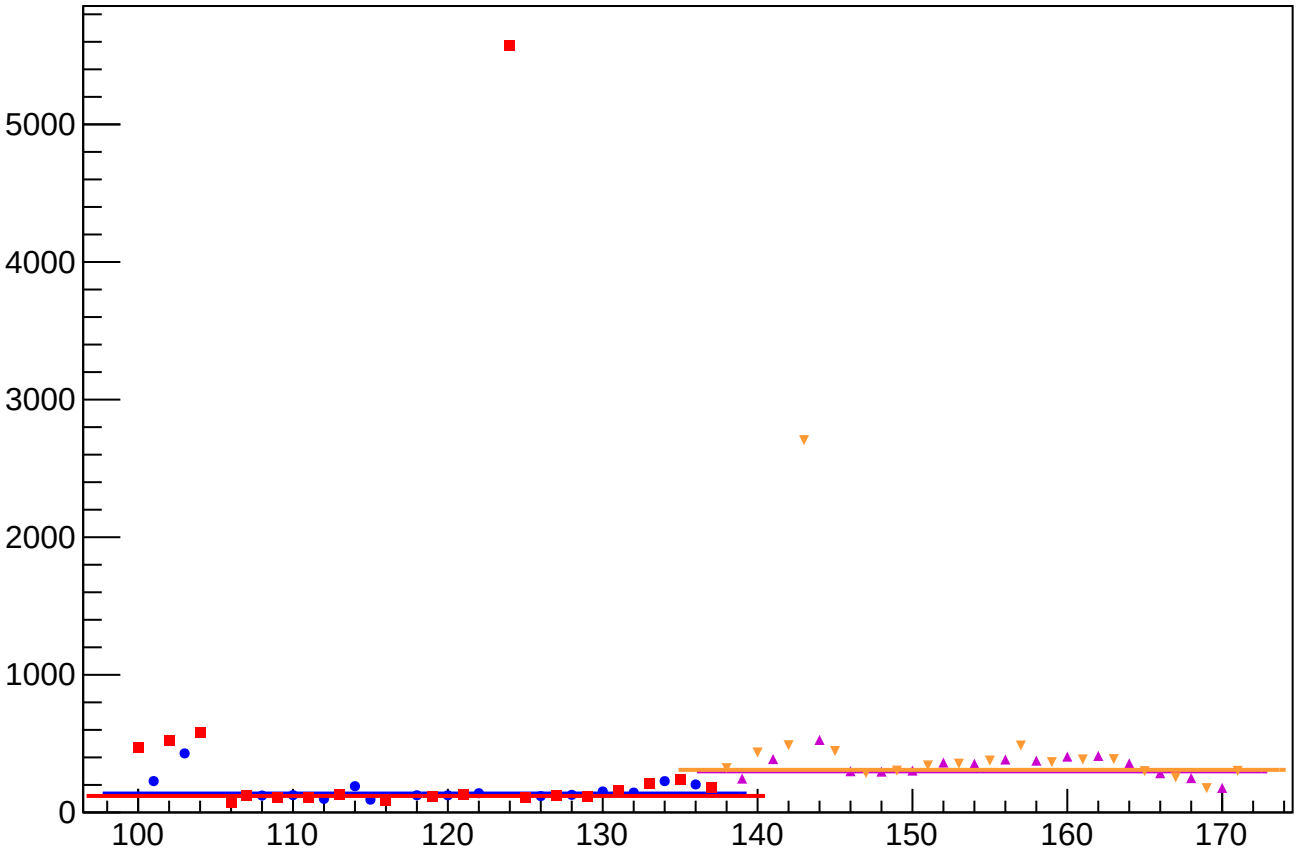
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.095+/-0.087 χ^2/NDF:23.4/15

+ sign -0.048+/-0.047 χ^2/NDF: 45.2/33

All: -0.008+/-0.032 χ^2/NDF: 99.5/68

- sign 0.027+/-0.044 χ^2/NDF: 53.0/34



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 309.559+/-0.063 χ^2/NDF:3124688.4/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

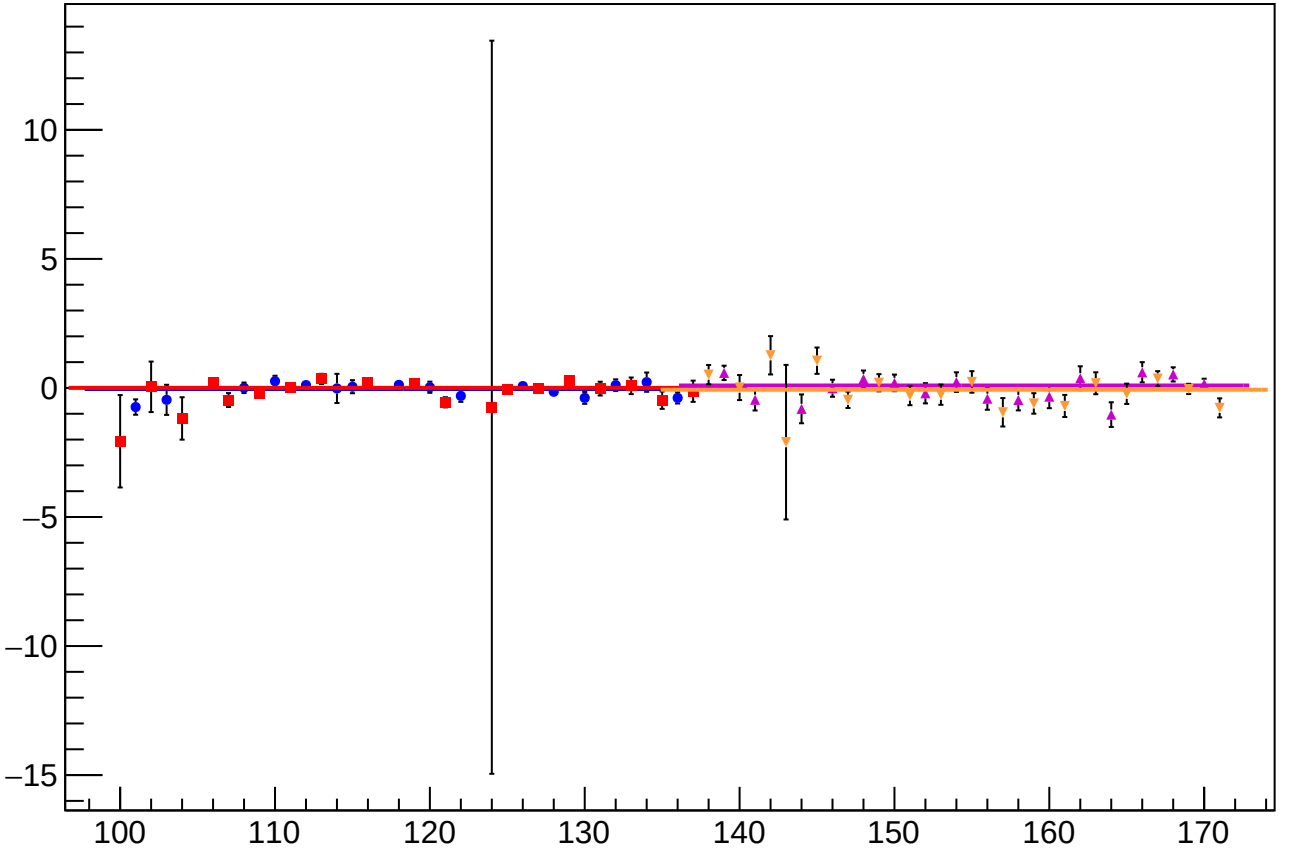
Left In: 298.619+/-0.061 χ^2/NDF:1786653.1/15

+ sign 186.314+/-0.033 χ^2/NDF: 9797842.5/33

All: 175.353+/-0.023 χ^2/NDF: 20244314.7/68

- sign 165.884+/-0.031 χ^2/NDF: 10245703.6/34

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.069+/-0.089 χ^2/NDF:27.2/17

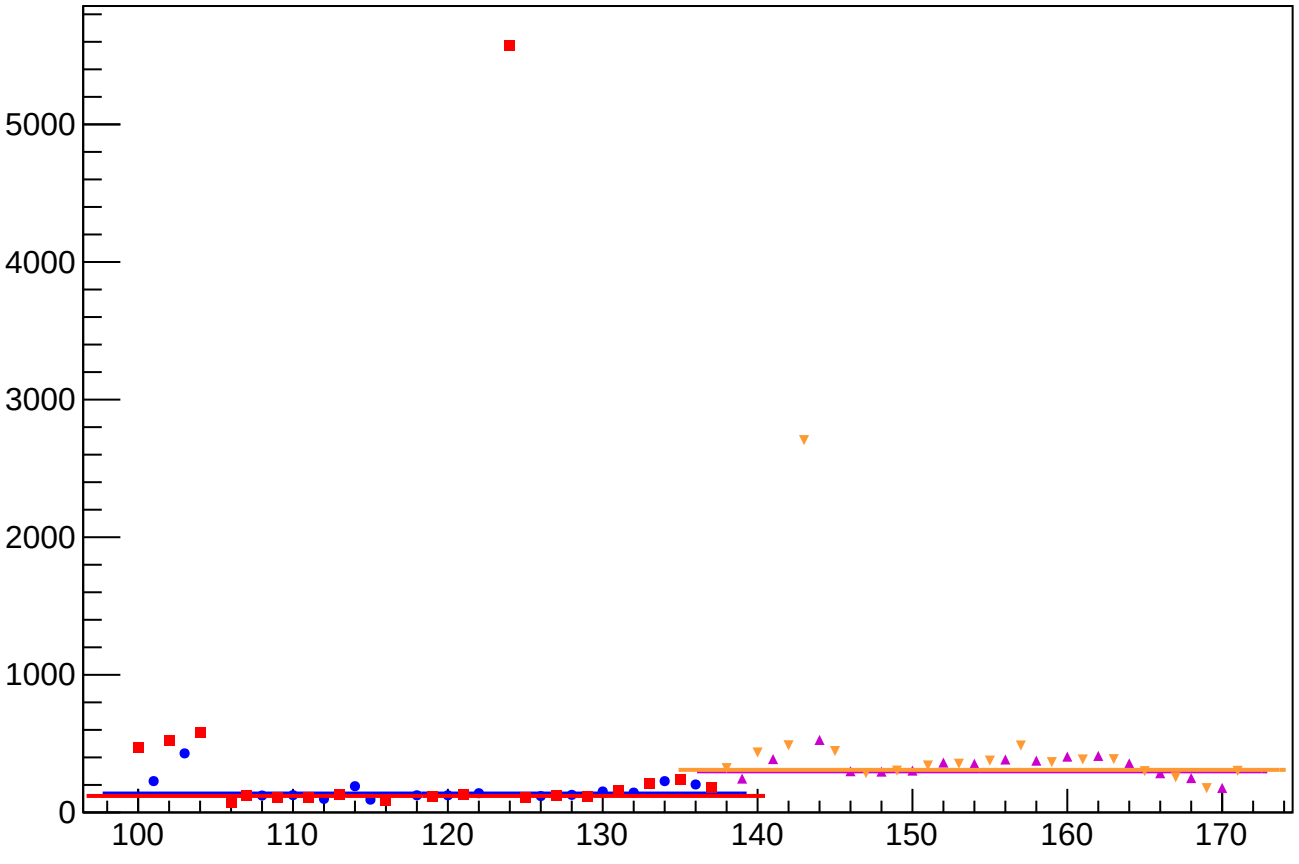
Right Out: 0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.095+/-0.087 χ^2/NDF:23.4/15

+ sign -0.048+/-0.047 χ^2/NDF: 45.2/33

All: -0.008+/-0.032 χ^2/NDF: 99.5/68

- sign 0.027+/-0.044 χ^2/NDF: 53.0/34



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 309.559+/-0.063 χ^2/NDF:3124688.4/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

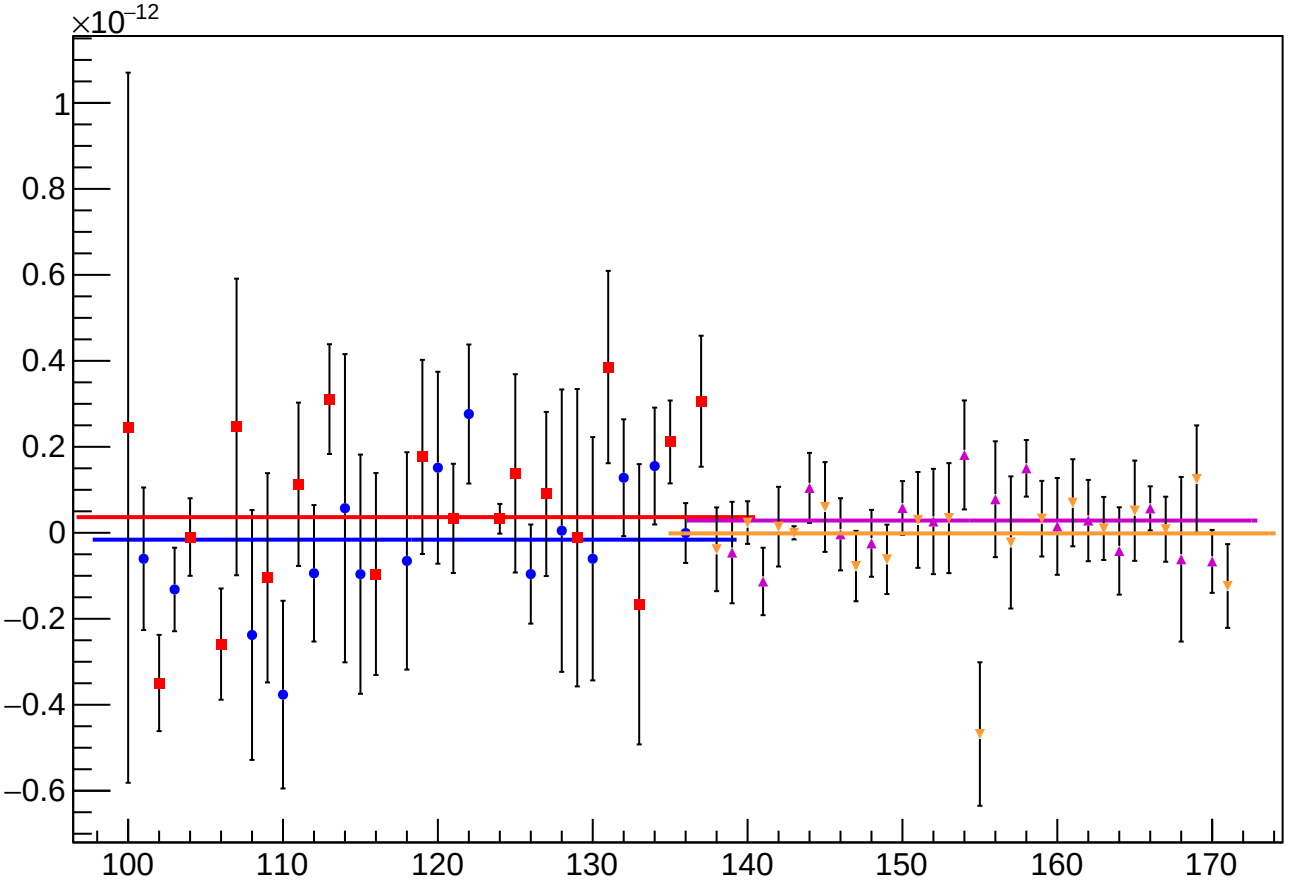
Left In: 298.619+/-0.061 χ^2/NDF:1786653.1/15

+ sign 186.314+/-0.033 χ^2/NDF: 9797842.5/33

All: 175.353+/-0.023 χ^2/NDF: 20244314.7/68

- sign 165.884+/-0.031 χ^2/NDF: 10245703.6/34

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:13.7/17

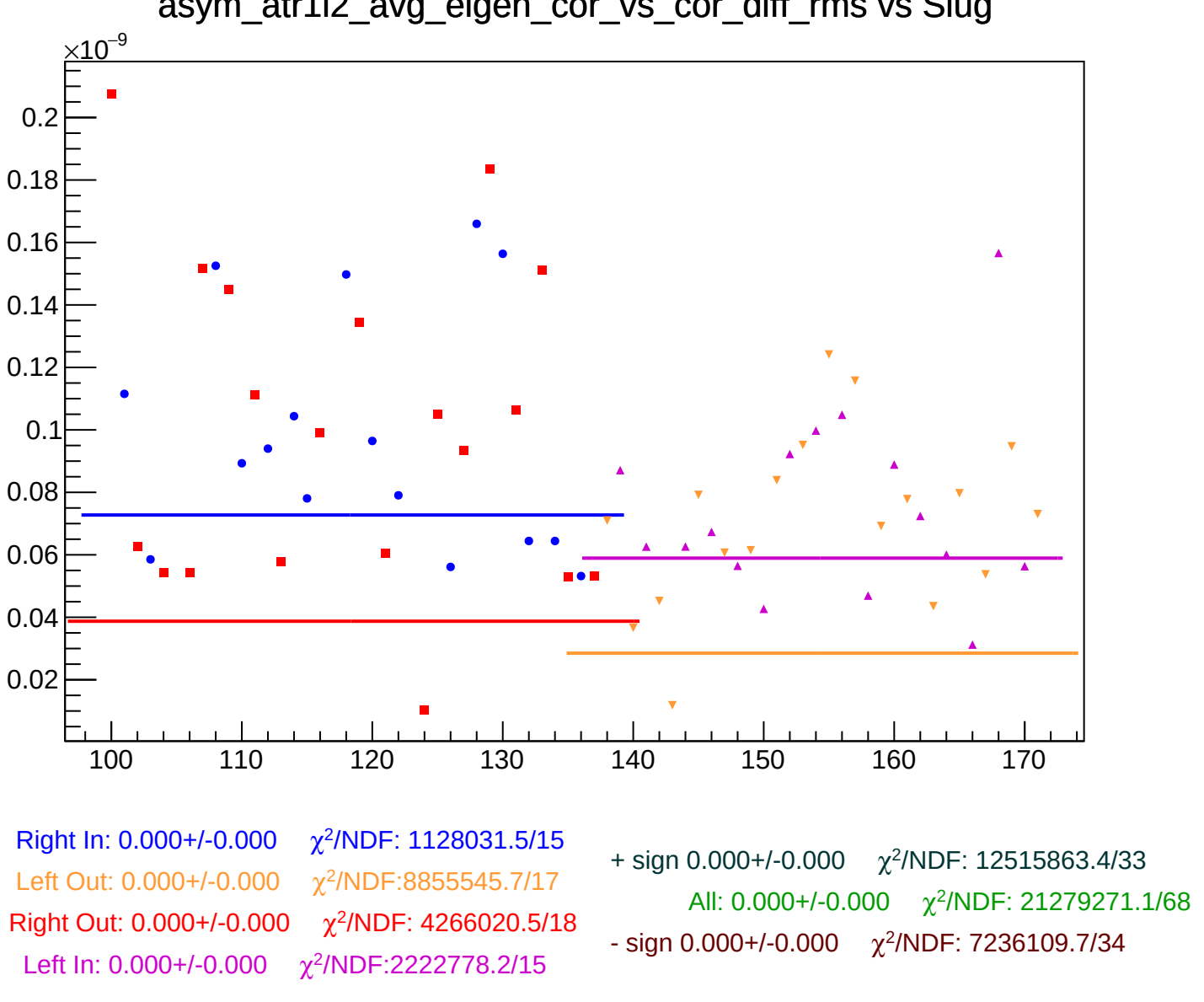
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/15

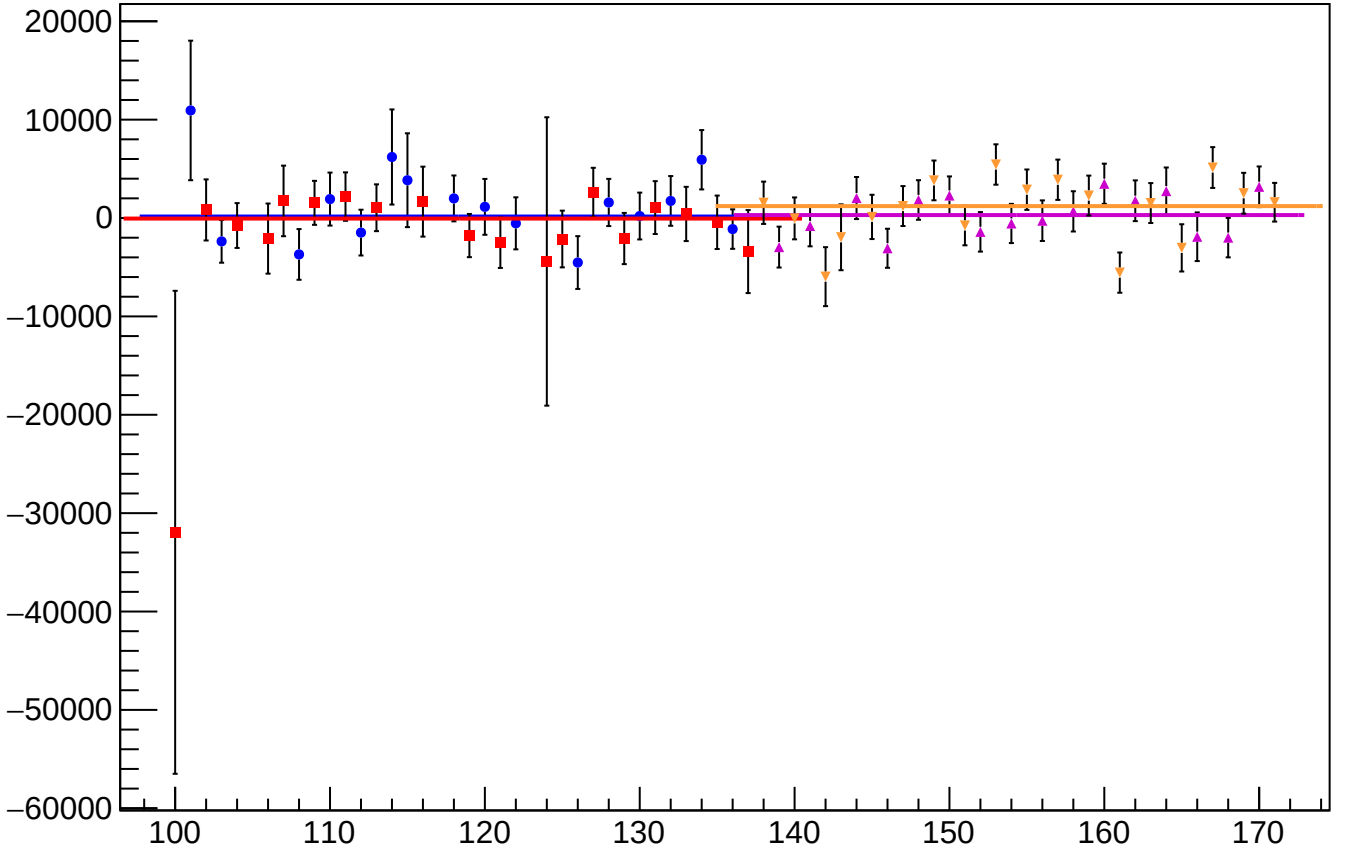
+ sign -0.000+/-0.000 χ^2/NDF: 26.1/33

All: 0.000+/-0.000 χ^2/NDF: 75.4/68

- sign 0.000+/-0.000 χ^2/NDF: 46.3/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8855545.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2222778.2/15
+ sign 0.000+/-0.000 χ²/NDF: 12515863.4/33
All: 0.000+/-0.000 χ²/NDF: 21279271.1/68
- sign 0.000+/-0.000 χ²/NDF: 7236109.7/34

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1211.859+/-506.165 χ^2/NDF:34.8/17

Right Out: -54.106+/-655.266 χ^2/NDF: 9.0/18

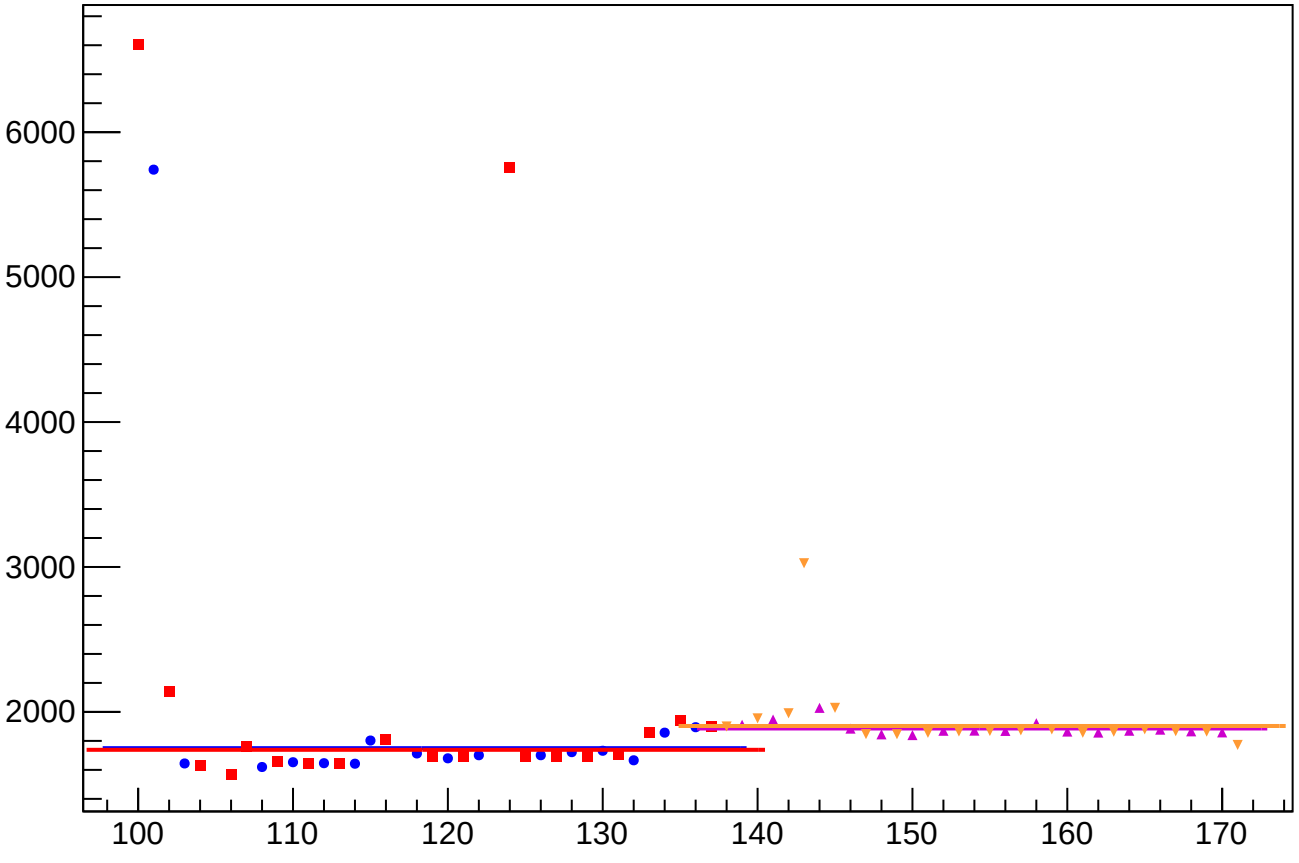
Left In: 301.482+/-518.731 χ^2/NDF:16.9/15

+ sign 824.104+/-403.216 χ^2/NDF: 54.1/33

All: 497.148+/-286.346 χ^2/NDF: 81.5/68

- sign 164.491+/-406.715 χ^2/NDF: 26.1/34

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

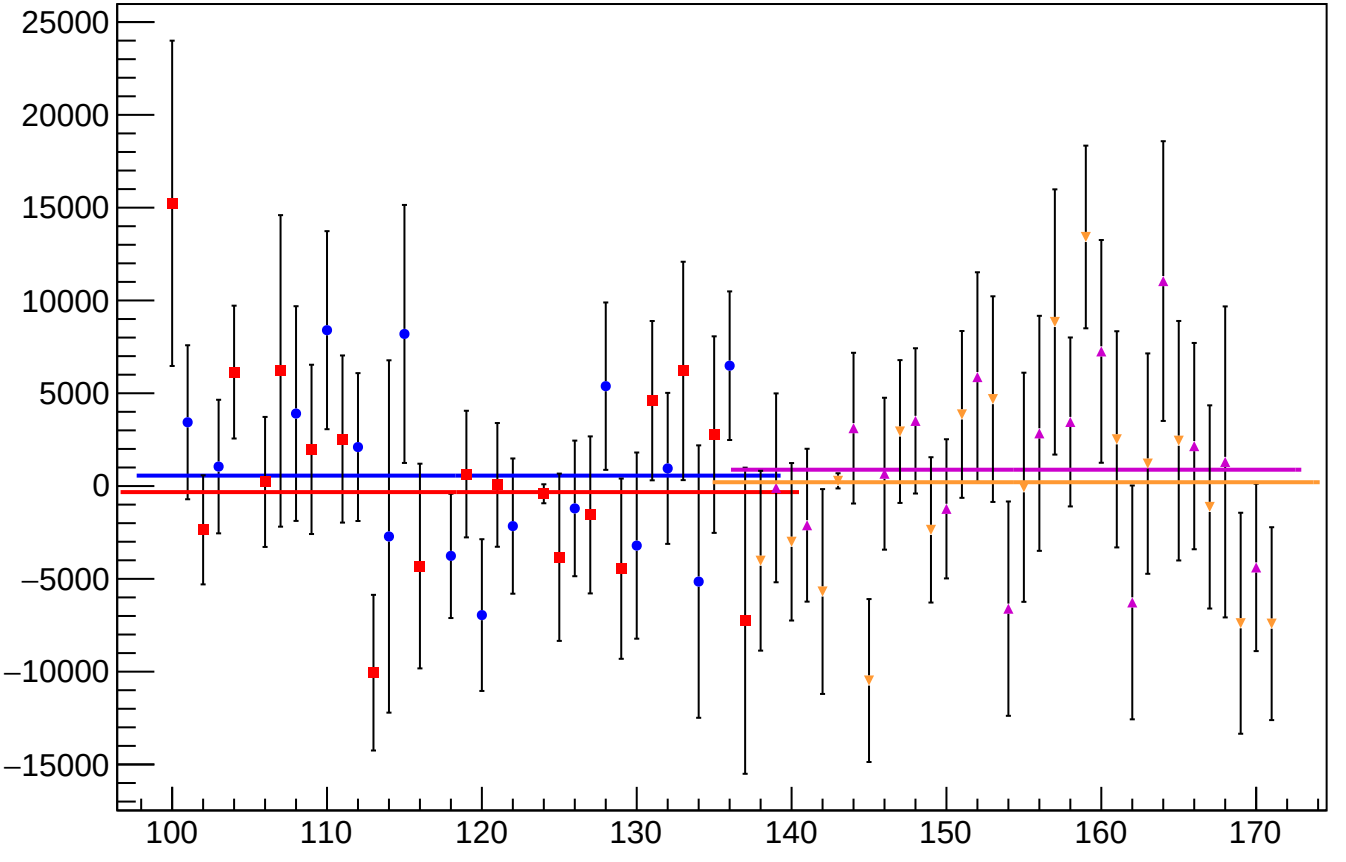
Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

+ sign 1846.960+/-0.285 χ^2/NDF: 988623.8/33

All: 1837.745+/-0.202 χ^2/NDF: 1372820.7/68

- sign 1828.422+/-0.287 χ^2/NDF: 382095.5/34

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 206.488+/-388.059 χ^2/NDF:23.5/17

Right Out: -325.567+/-457.948 χ^2/NDF: 19.2/18

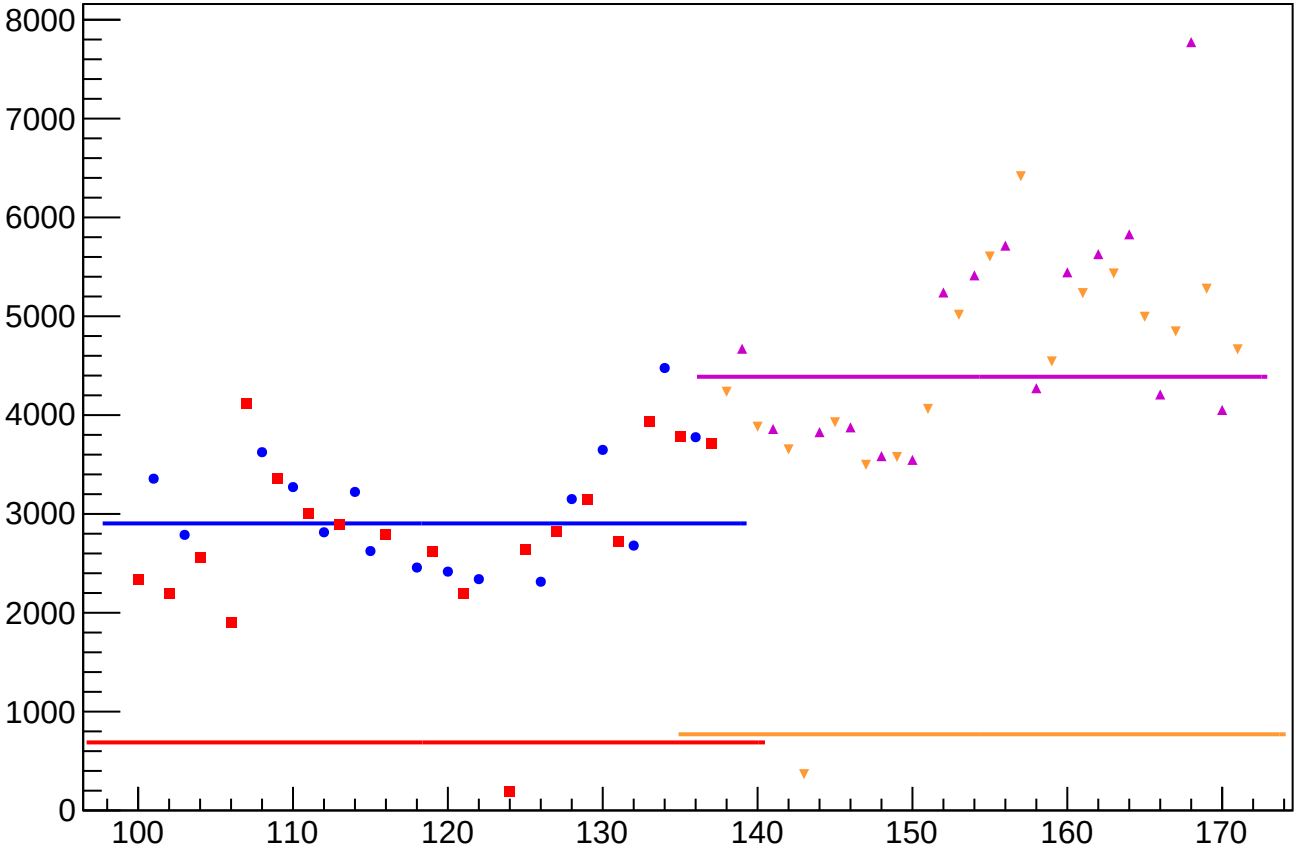
Left In: 880.667+/-1235.309 χ^2/NDF:10.2/15

+ sign 245.800+/-365.997 χ^2/NDF: 38.4/33

All: 66.697+/-278.543 χ^2/NDF: 69.2/68

- sign -179.824+/-429.392 χ^2/NDF: 30.2/34

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 770.660+/-0.274 χ^2/NDF:20199580.1/17

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

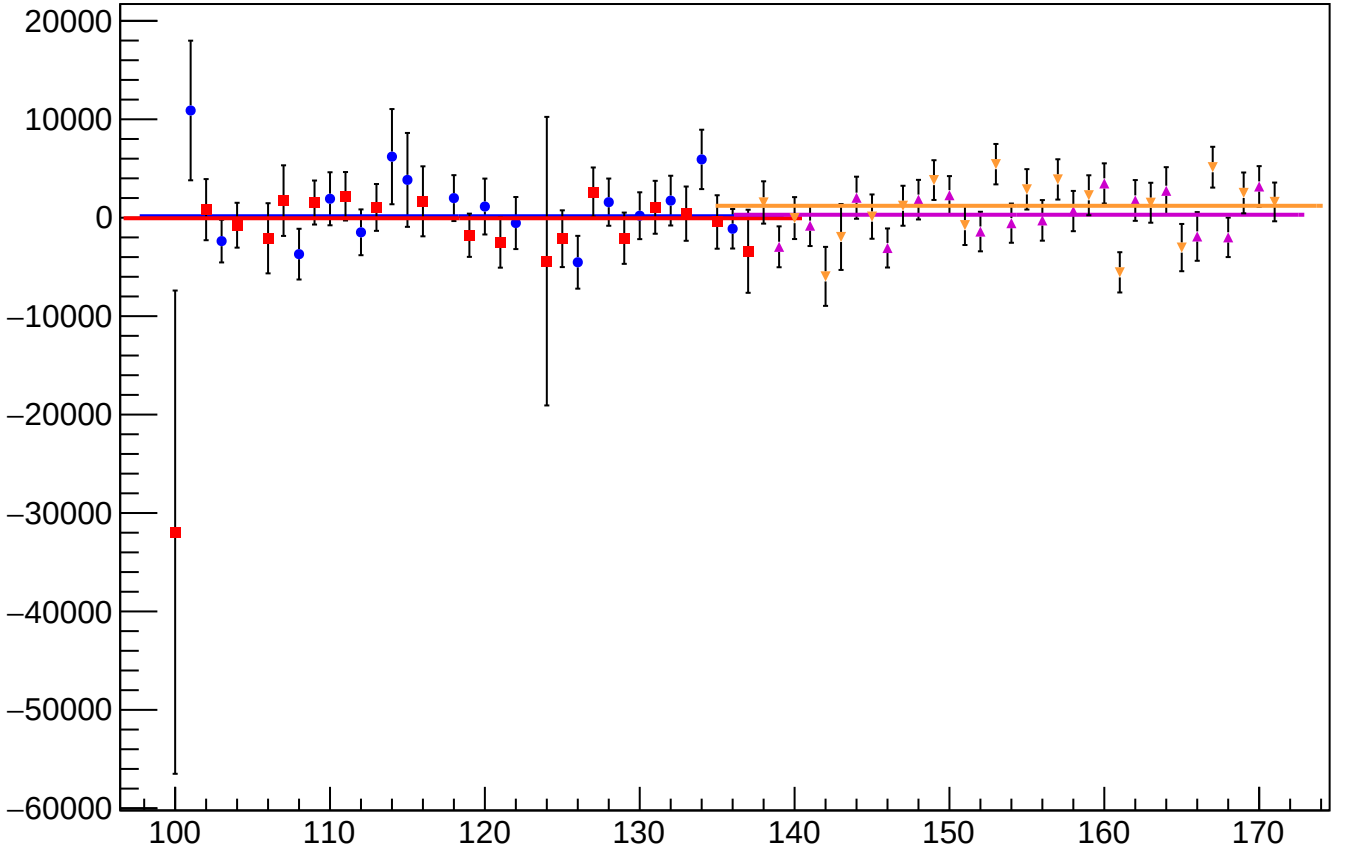
Left In: 4387.934+/-0.873 χ^2/NDF:1043594.1/15

+ sign 1006.341+/-0.259 χ^2/NDF: 27357118.7/33

All: 1060.617+/-0.197 χ^2/NDF: 54425433.8/6

- sign 1135.325+/-0.304 χ^2/NDF: 26963789.9/34

cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1211.824+/-506.165 χ^2/NDF:34.8/17

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

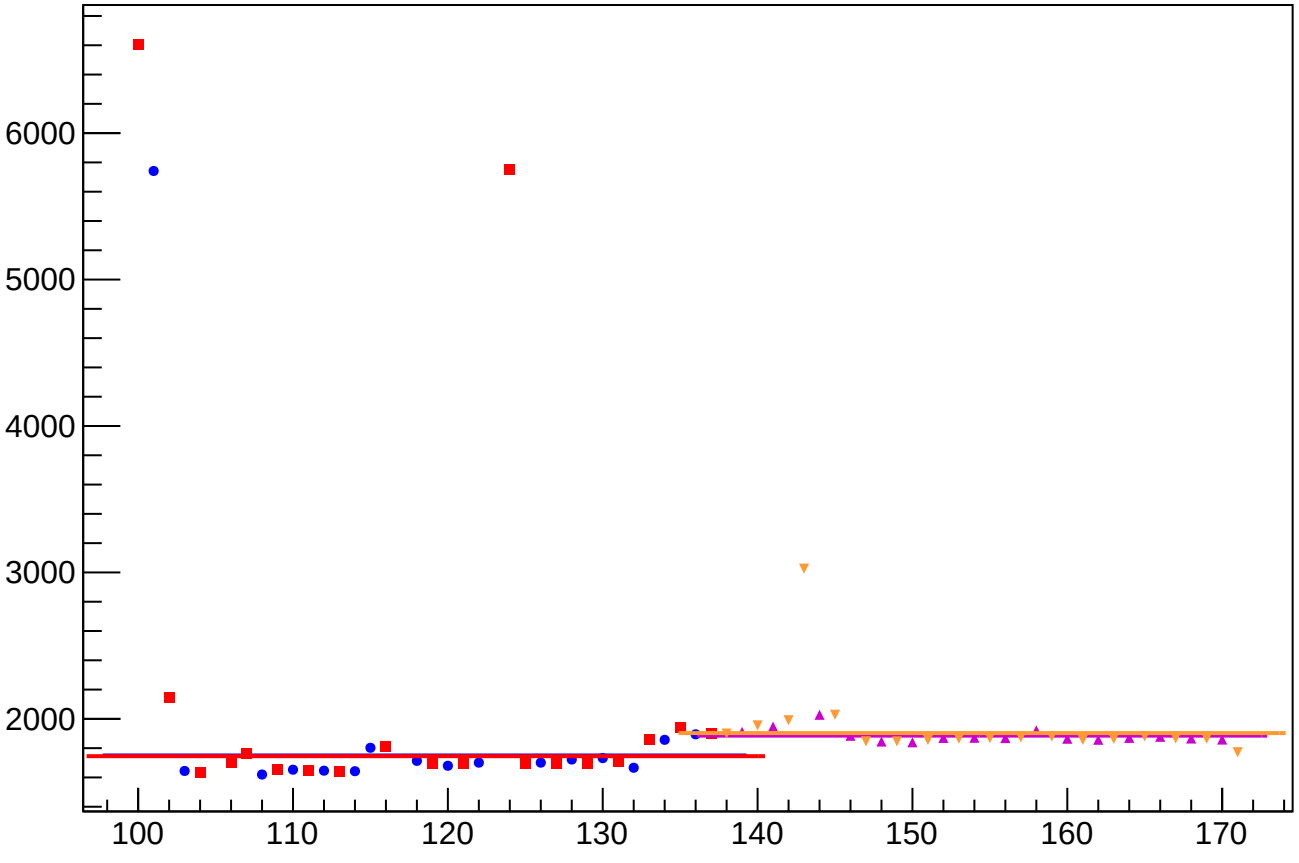
Left In: 301.513+/-518.731 χ^2/NDF:16.9/15

+ sign 823.911+/-403.216 χ^2/NDF: 54.1/33

All: 497.050+/-286.346 χ^2/NDF: 81.5/68

- sign 164.490+/-406.715 χ^2/NDF: 26.1/34

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

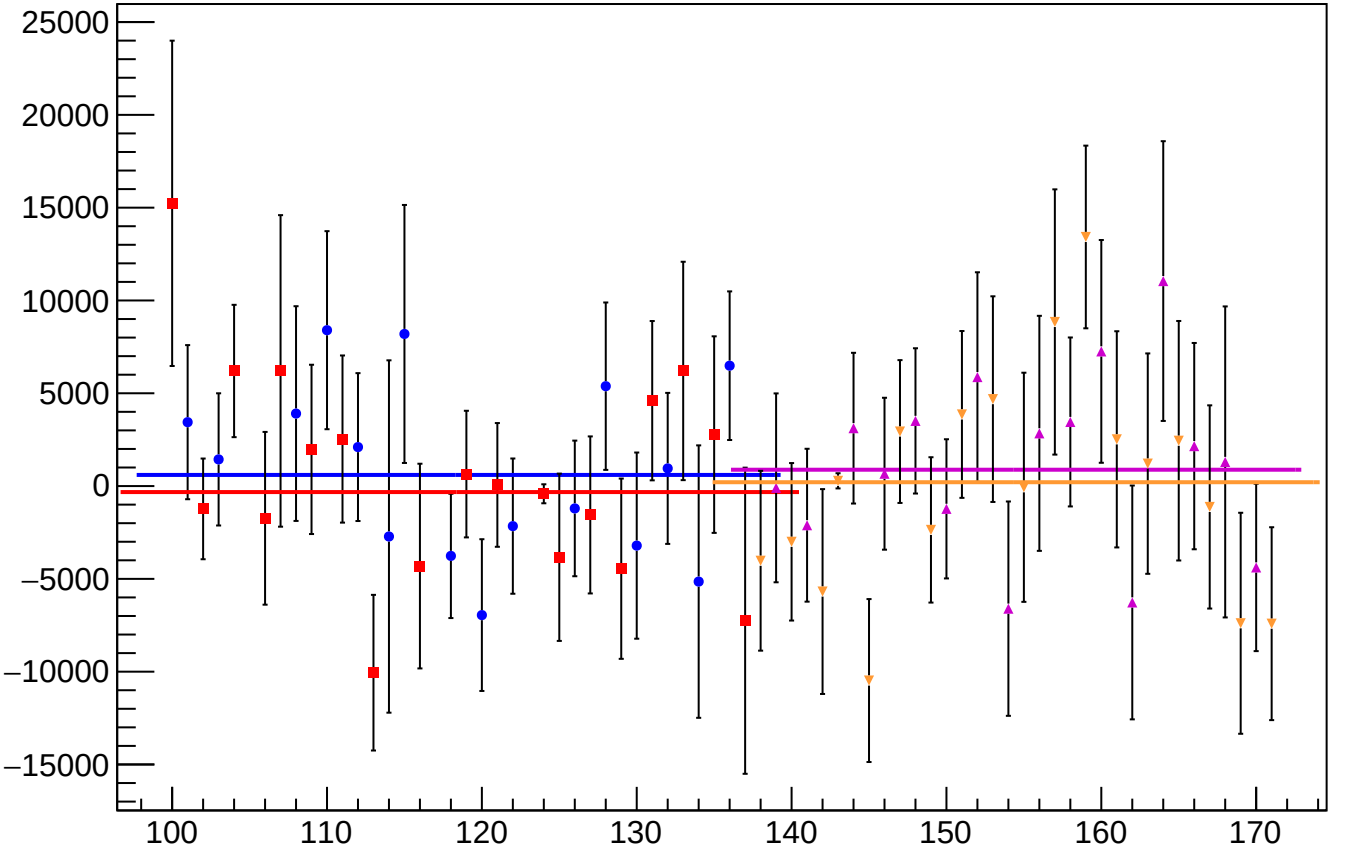
Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

+ sign 1846.960+/-0.285 χ^2/NDF: 988624.3/33

All: 1839.169+/-0.202 χ^2/NDF: 1359895.2/68

- sign 1831.266+/-0.287 χ^2/NDF: 369767.0/34

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 207.421+/-388.090 χ^2/NDF:23.5/17

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

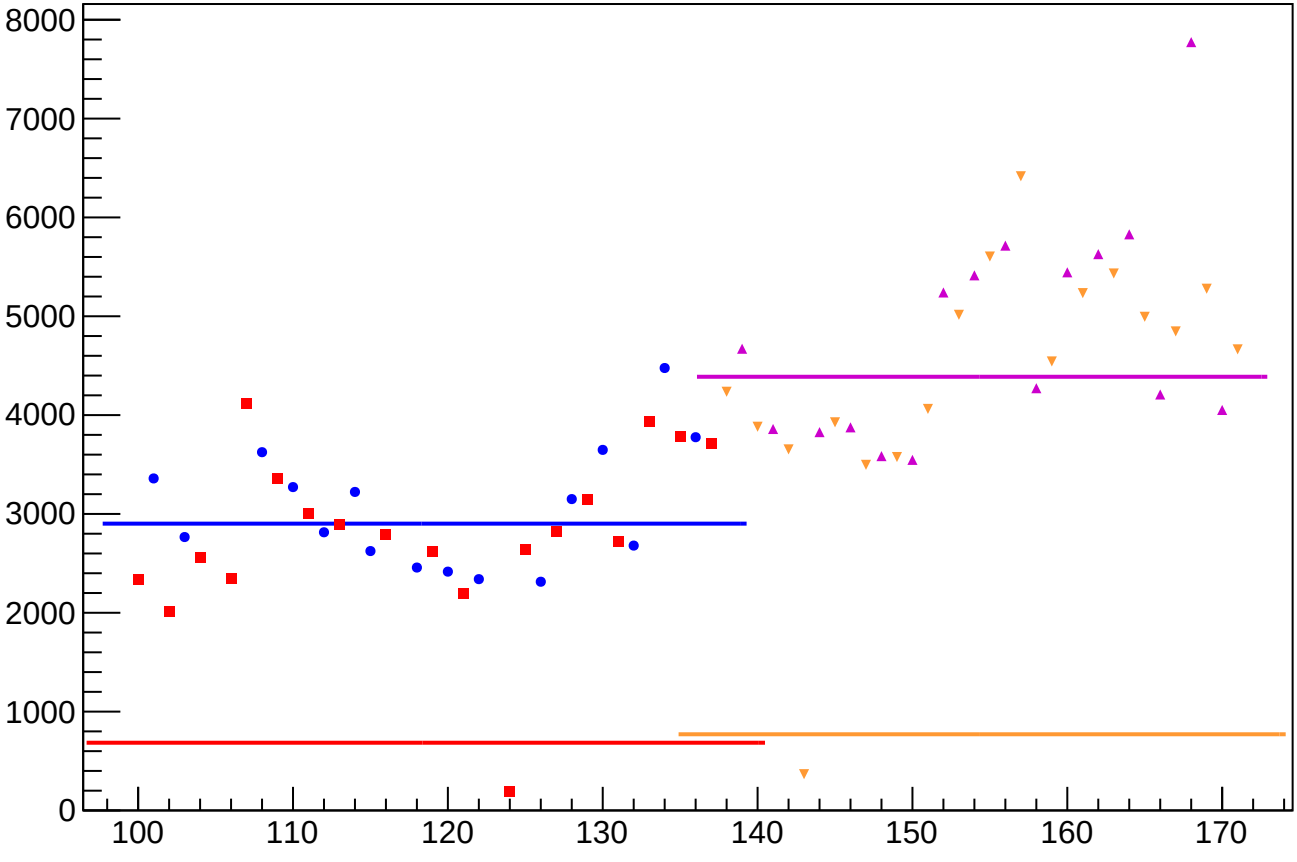
Left In: 880.746+/-1235.307 χ^2/NDF:10.2/15

+ sign 250.891+/-365.985 χ^2/NDF: 38.5/33

All: 71.127+/-278.743 χ^2/NDF: 69.1/68

- sign -177.190+/-430.145 χ^2/NDF: 30.0/34

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 770.761+/-0.274 χ^2/NDF:20198838.9/17

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

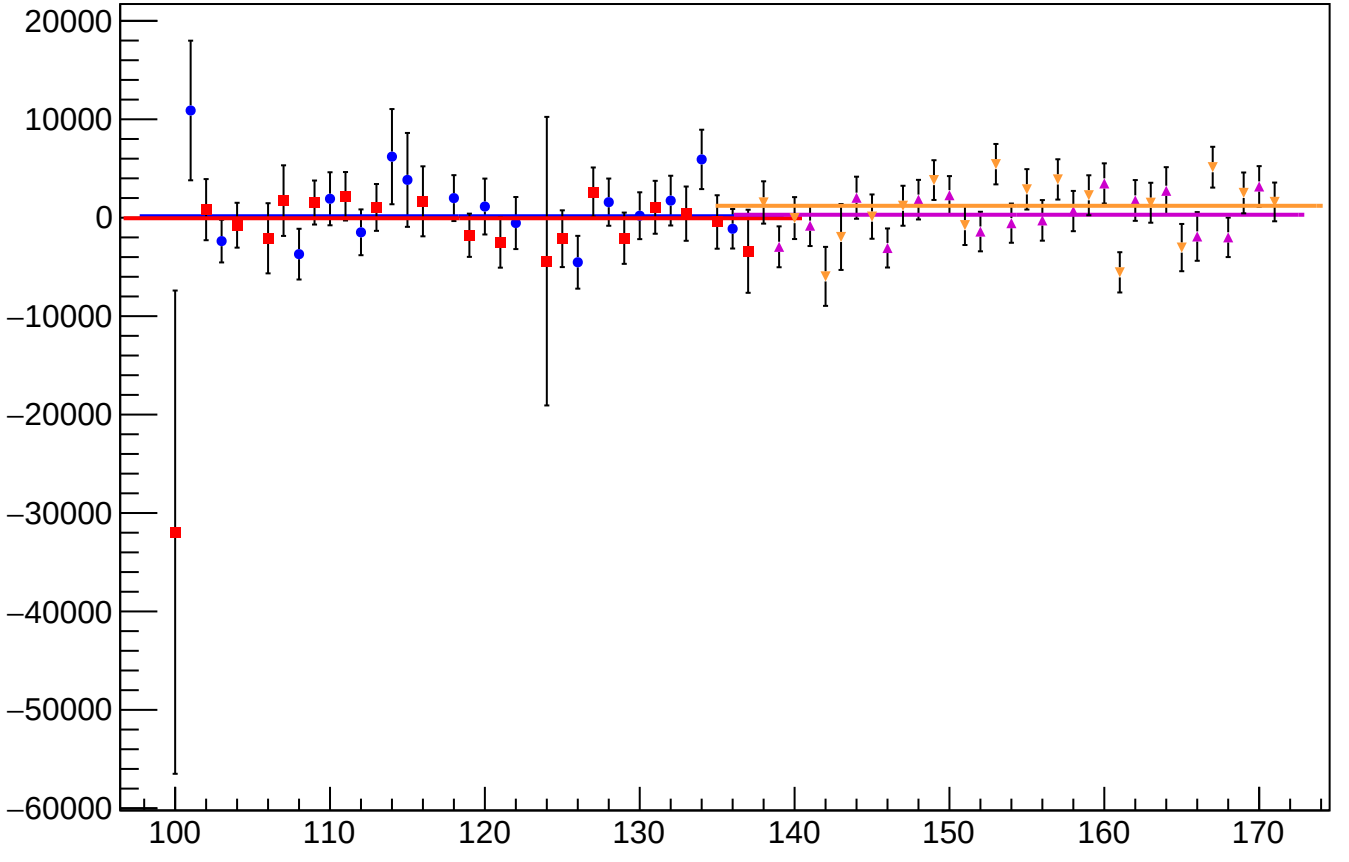
Left In: 4387.926+/-0.873 χ^2/NDF:1043609.7/15

+ sign 1006.617+/-0.259 χ^2/NDF: 27354212.4/33

All: 1060.194+/-0.197 χ^2/NDF: 54395439.1/6

- sign 1134.204+/-0.304 χ^2/NDF: 26939157.5/34

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1211.824+/-506.165 χ^2/NDF:34.8/17

Right Out: -54.158+/-655.266 χ^2/NDF: 9.0/18

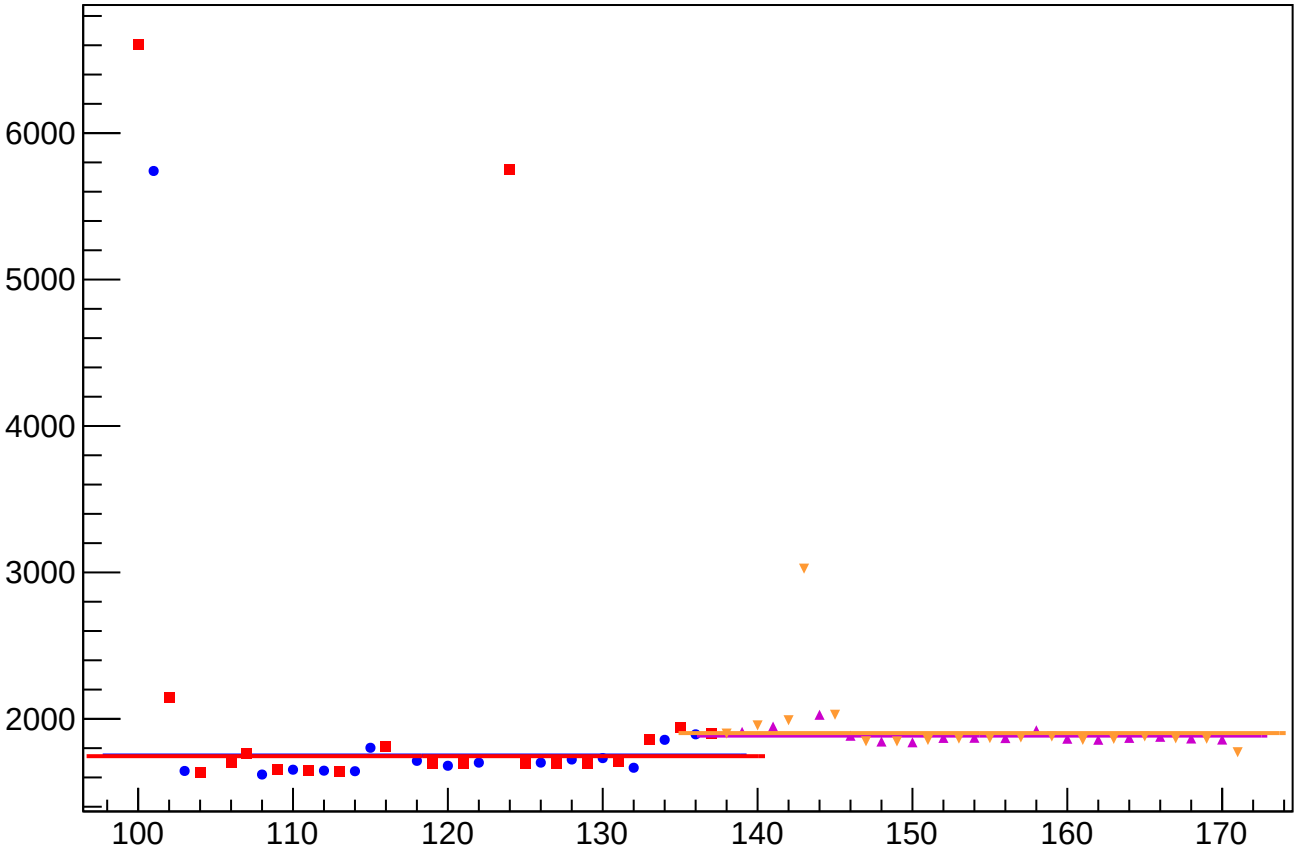
Left In: 301.513+/-518.731 χ^2/NDF:16.9/15

+ sign 823.911+/-403.216 χ^2/NDF: 54.1/33

All: 497.050+/-286.346 χ^2/NDF: 81.5/68

- sign 164.490+/-406.715 χ^2/NDF: 26.1/34

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

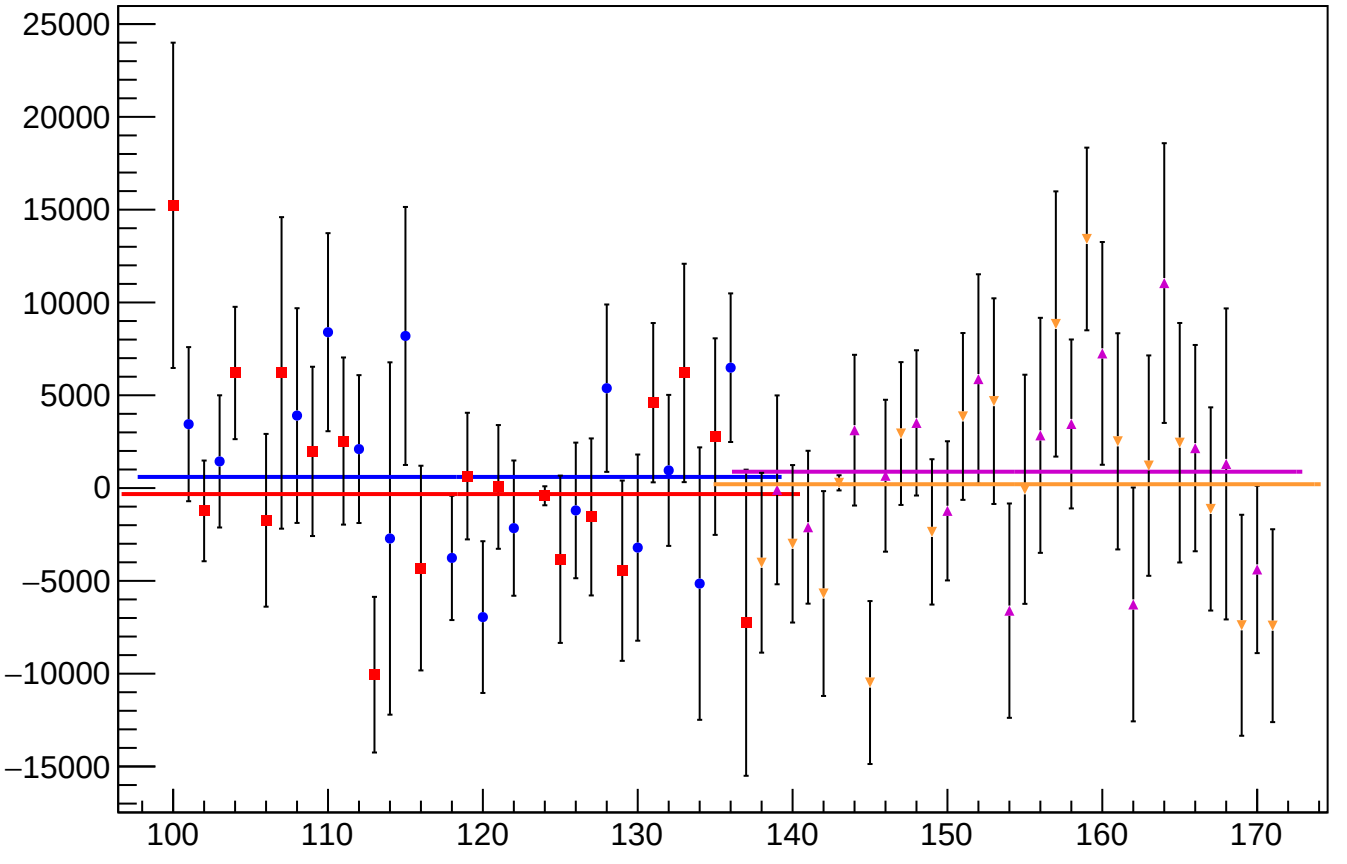
Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1885.615+/-0.367 χ^2/NDF:15061.1/15

+ sign 1846.960+/-0.285 χ^2/NDF: 988624.3/33

All: 1839.169+/-0.202 χ^2/NDF: 1359895.2/68

- sign 1831.266+/-0.287 χ^2/NDF: 369767.0/34



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 207.421+/-388.090 χ^2/NDF:23.5/17

Right Out: -323.164+/-458.862 χ^2/NDF: 19.0/18

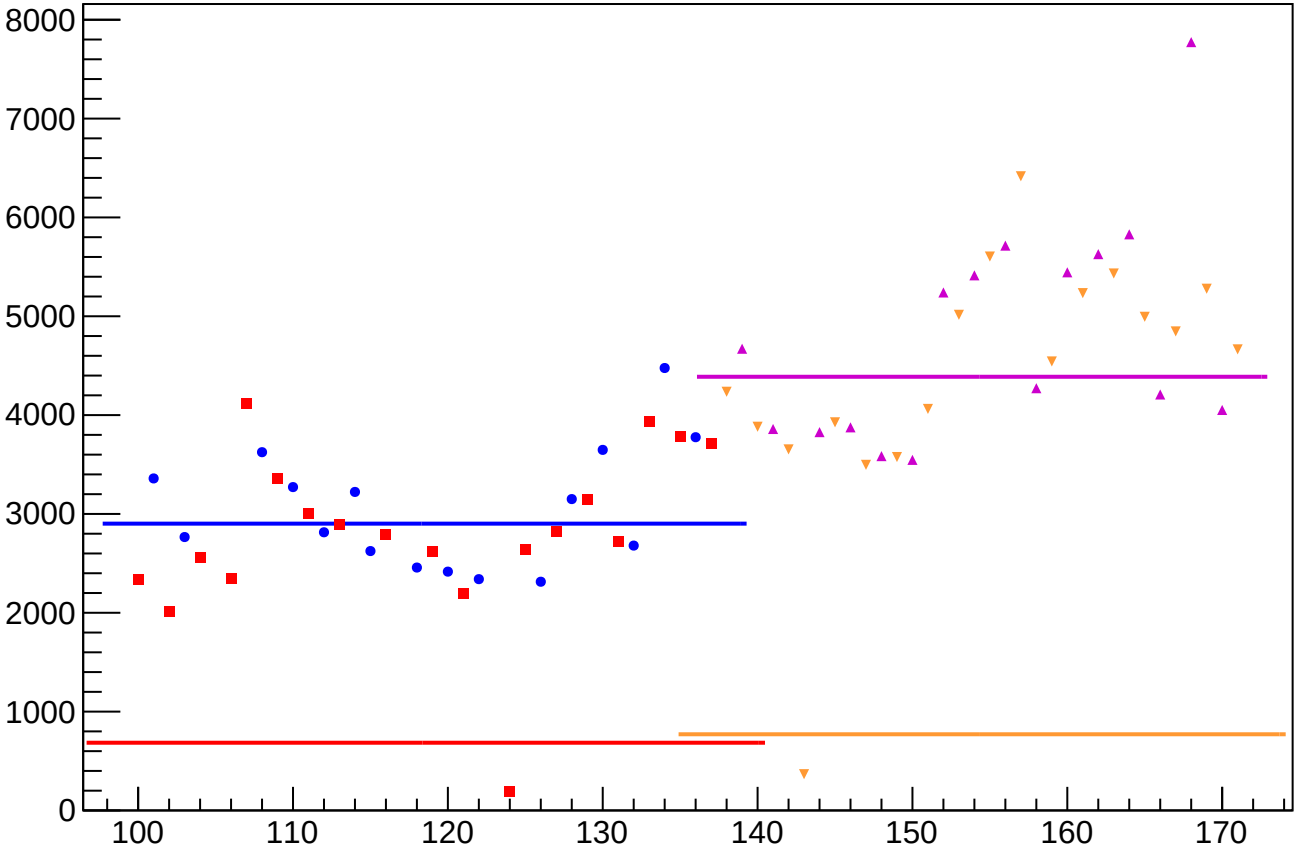
Left In: 880.746+/-1235.307 χ^2/NDF:10.2/15

\+ sign 250.891+/-365.985 χ^2/NDF: 38.5/33

All: 71.127+/-278.743 χ^2/NDF: 69.1/68

\- sign -177.190+/-430.145 χ^2/NDF: 30.0/34

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 770.761+/-0.274 χ^2/NDF:20198838.9/17

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

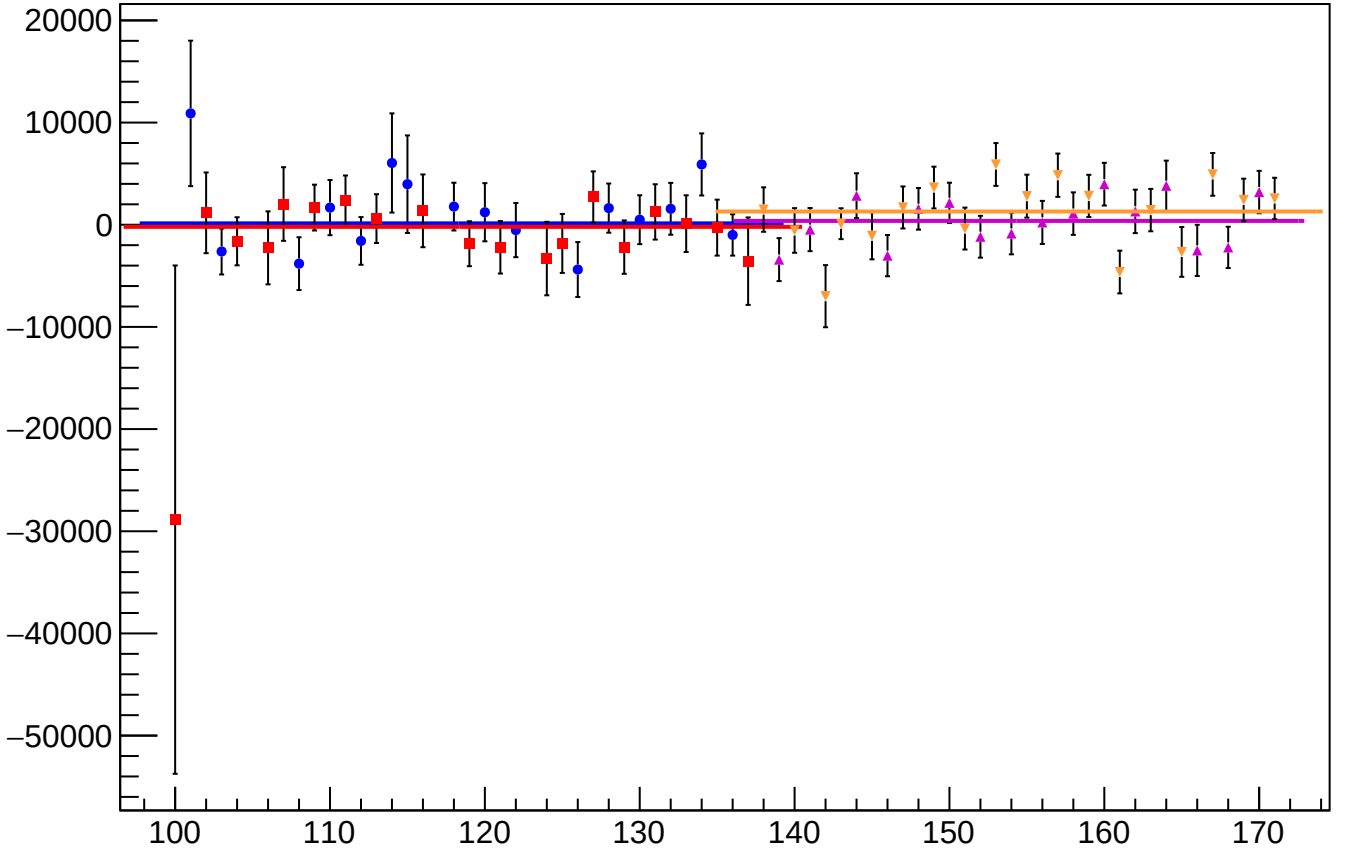
Left In: 4387.926+/-0.873 χ^2/NDF:1043609.7/15

+ sign 1006.617+/-0.259 χ^2/NDF: 27354212.4/33

All: 1060.194+/-0.197 χ^2/NDF: 54395439.1/6

- sign 1134.204+/-0.304 χ^2/NDF: 26939157.5/34

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1296.138+/-493.024 χ^2/NDF:34.9/17

Right Out: -205.424+/-654.444 χ^2/NDF: 9.7/18

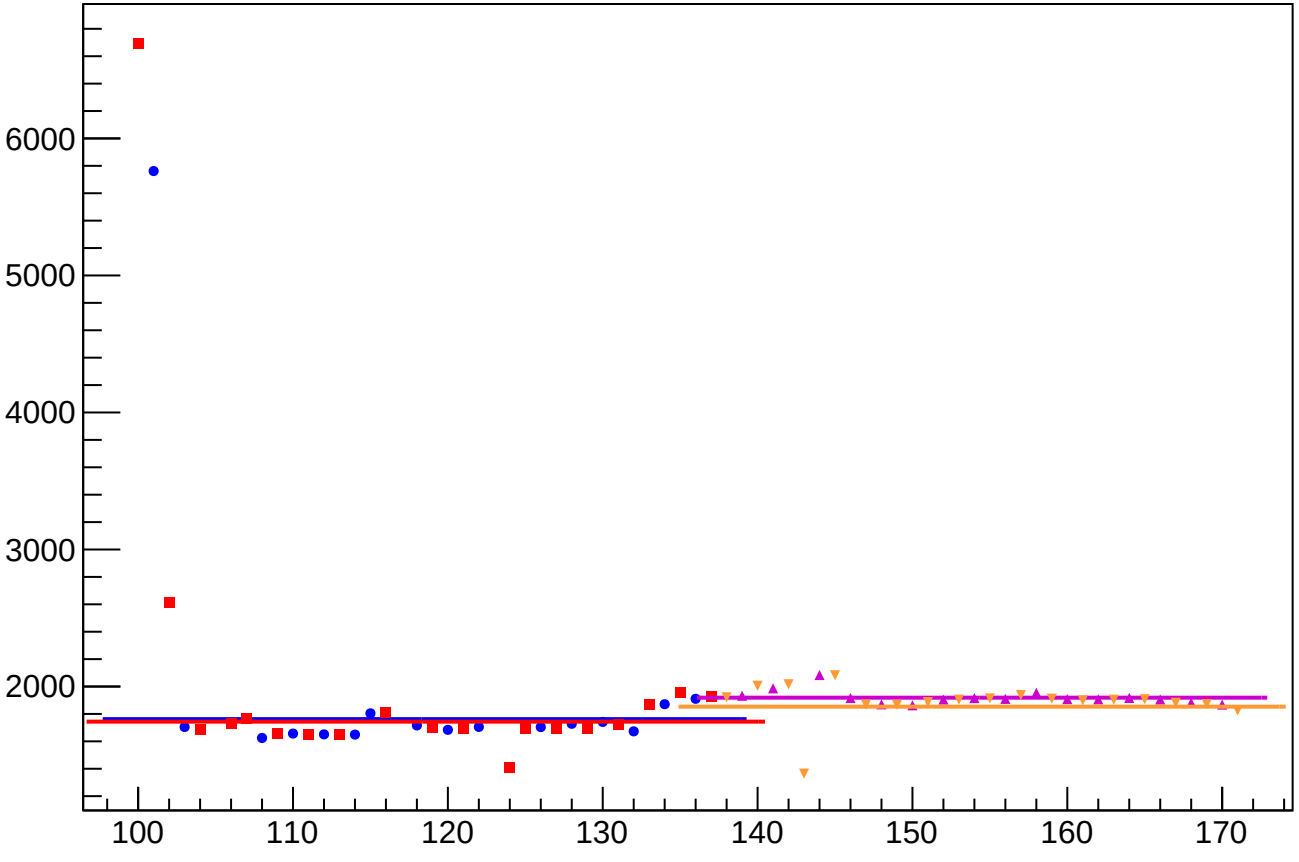
Left In: 374.579+/-527.905 χ^2/NDF:19.6/15

+ sign 889.130+/-397.435 χ^2/NDF: 54.1/33

All: 529.906+/-285.667 χ^2/NDF: 85.7/68

- sign 145.949+/-410.889 χ^2/NDF: 29.8/34

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.133+/-0.349 χ^2/NDF:259078.1/17

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

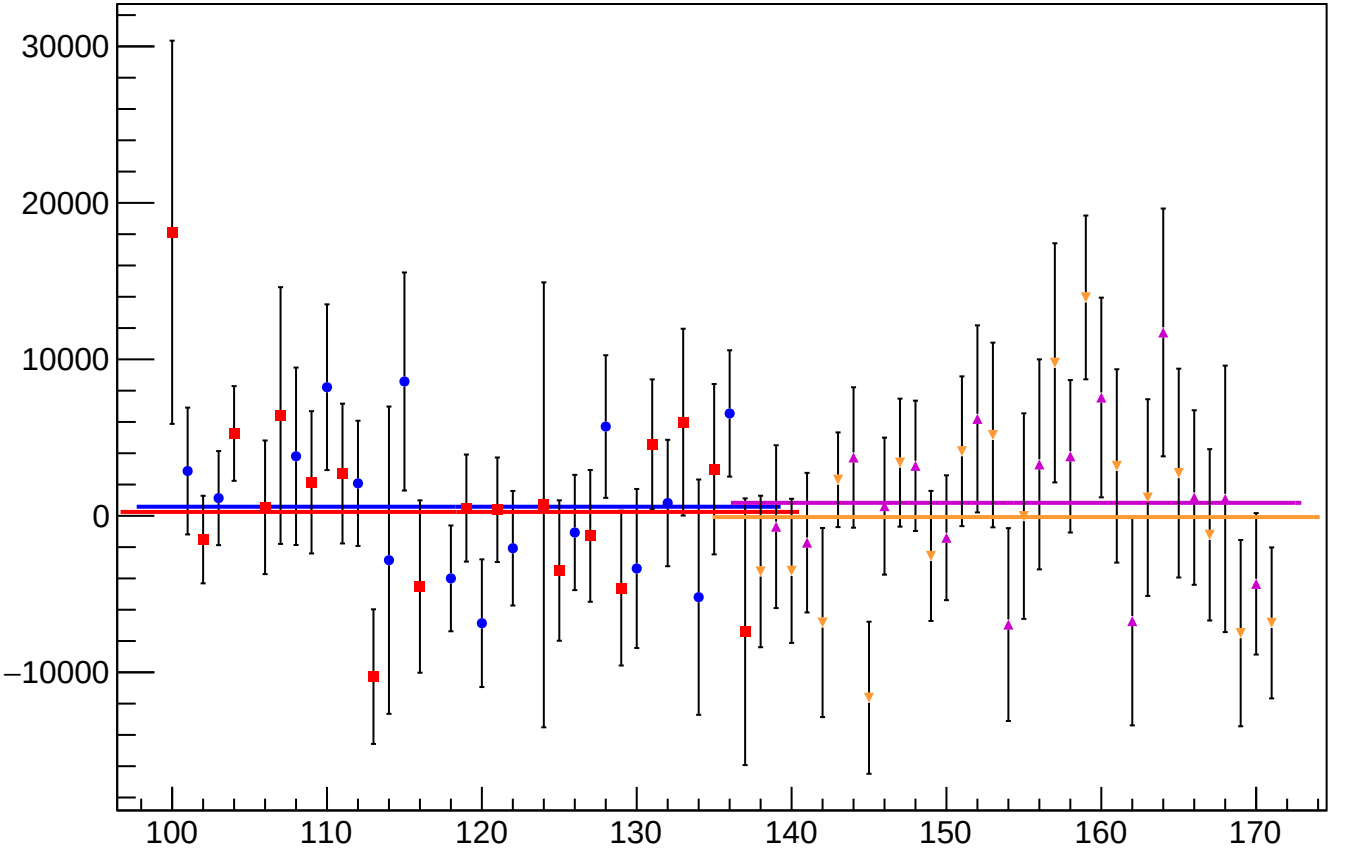
Left In: 1918.755+/-0.373 χ^2/NDF:18974.3/15

+ sign 1821.239+/-0.281 χ^2/NDF: 950676.7/33

All: 1834.924+/-0.202 χ^2/NDF: 1289284.1/68

- sign 1849.518+/-0.290 χ^2/NDF: 333707.1/34

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -78.428+/-1183.417 χ^2/NDF:24.1/17

Right Out: 250.224+/-1021.012 χ^2/NDF: 17.9/18

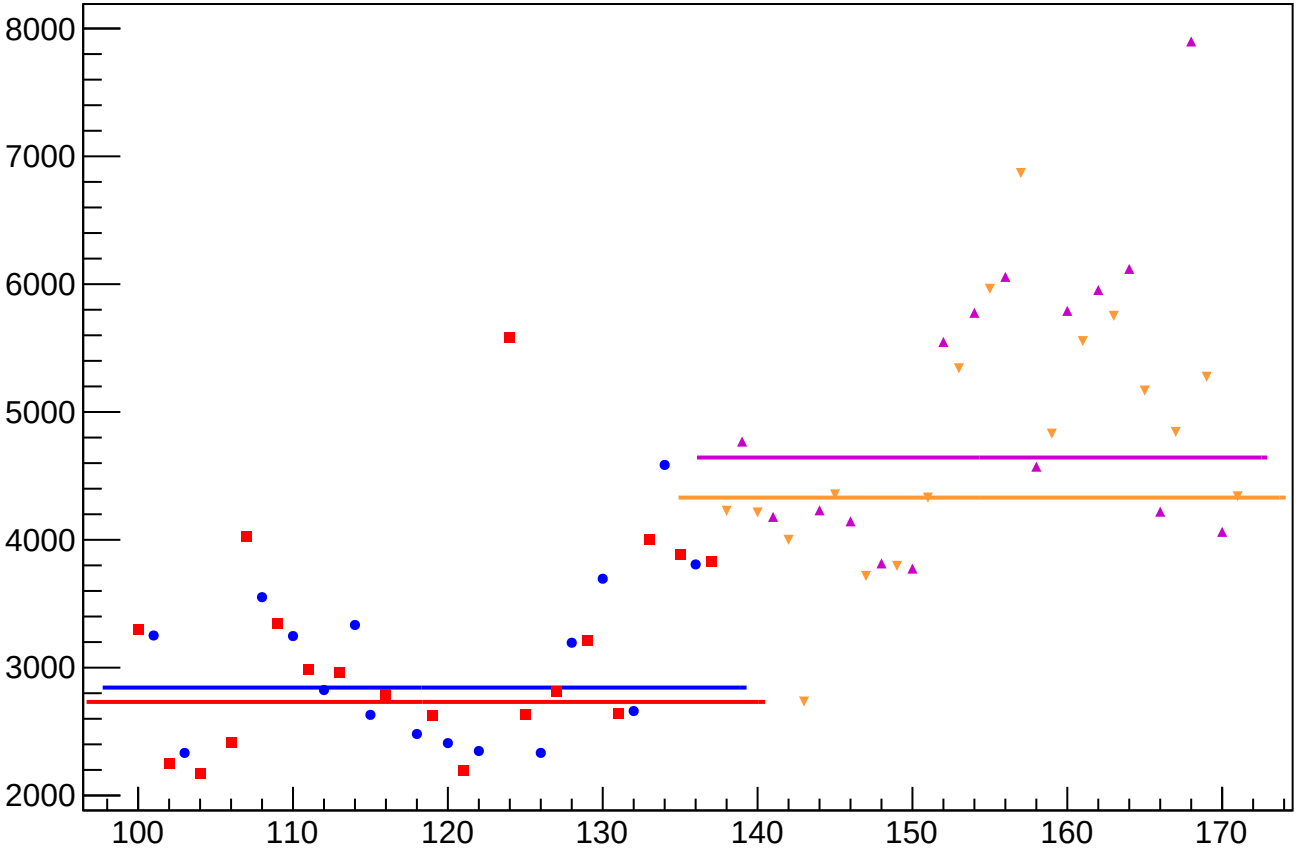
Left In: 831.091+/-1306.264 χ^2/NDF:10.0/15

\+ sign 281.571+/-798.332 χ^2/NDF: 39.2/33

All: 375.324+/-566.652 χ^2/NDF: 67.2/68

\- sign 470.515+/-804.435 χ^2/NDF: 28.0/34

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4330.356+/-0.837 χ^2/NDF:1343774.7/17

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

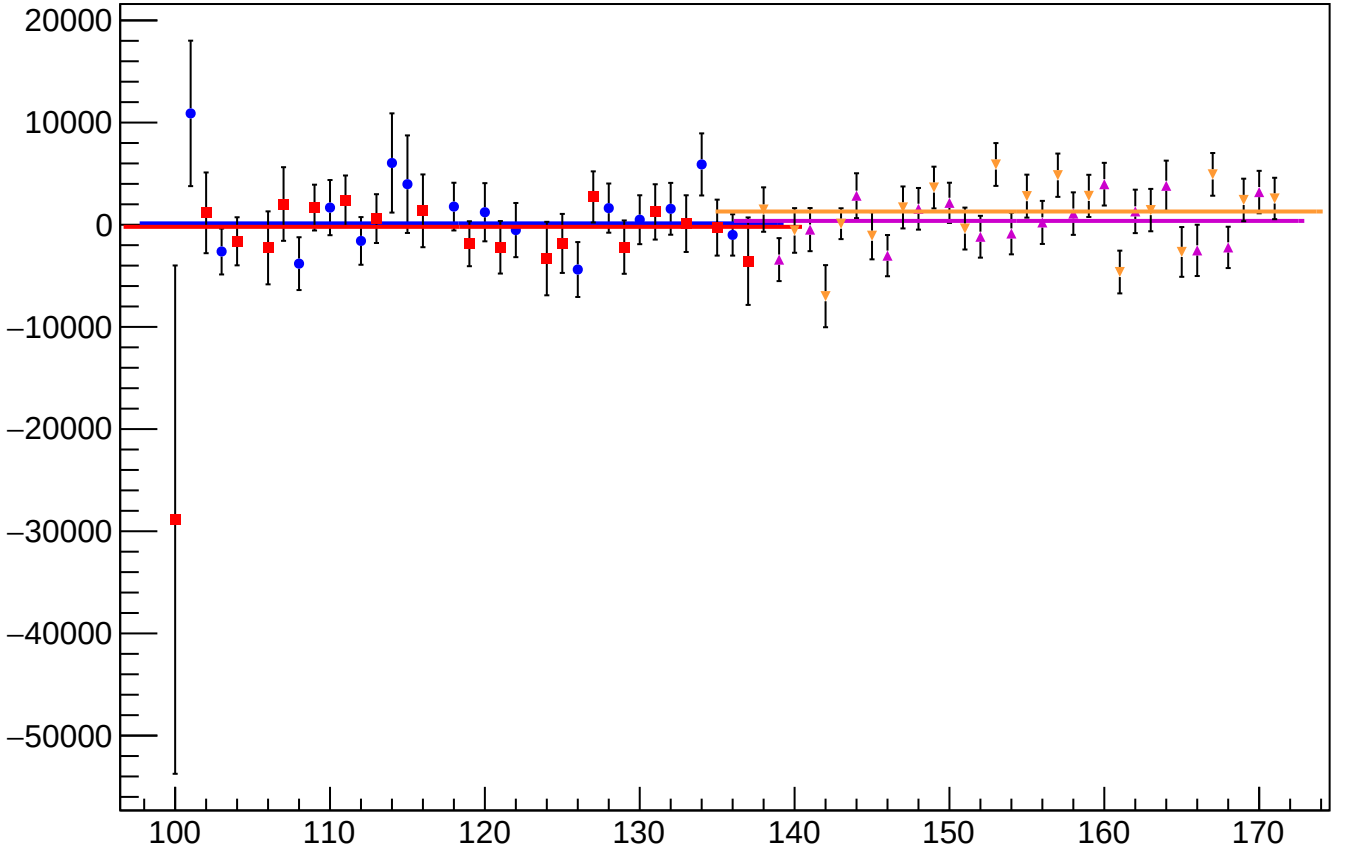
Left In: 4643.755+/-0.924 χ^2/NDF:990476.8/15

+ sign 3520.500+/-0.565 χ^2/NDF: 3604666.6/33

All: 3488.997+/-0.401 χ^2/NDF: 7871965.5/68

- sign 3457.010+/-0.569 χ^2/NDF: 4261022.2/34

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1296.138+/-493.024 χ^2/NDF:34.9/17

Right Out: -205.422+/-654.444 χ^2/NDF: 9.7/18

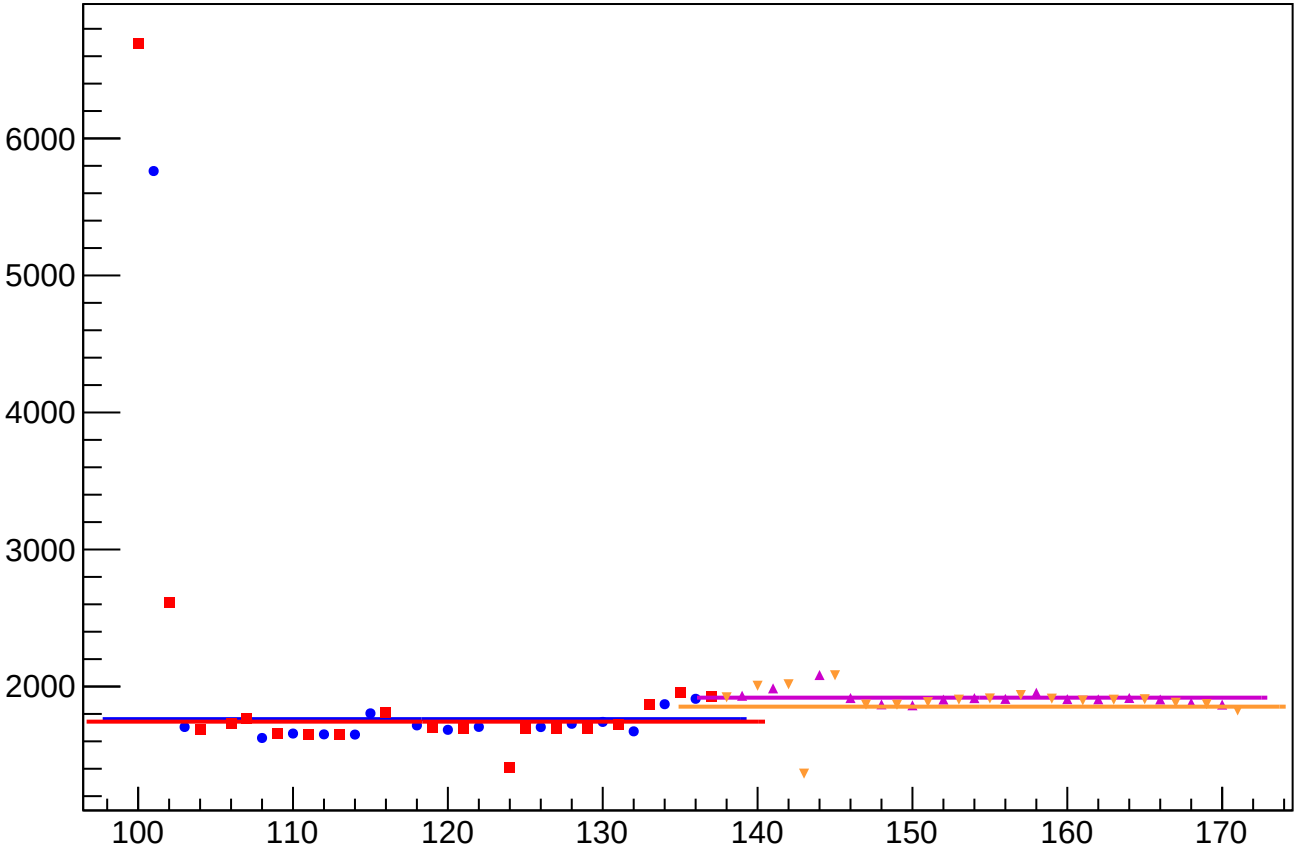
Left In: 374.582+/-527.905 χ^2/NDF:19.6/15

+ sign 889.130+/-397.435 χ^2/NDF: 54.1/33

All: 529.907+/-285.667 χ^2/NDF: 85.7/68

- sign 145.951+/-410.889 χ^2/NDF: 29.8/34

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.133+/-0.349 χ^2/NDF:259079.5/17

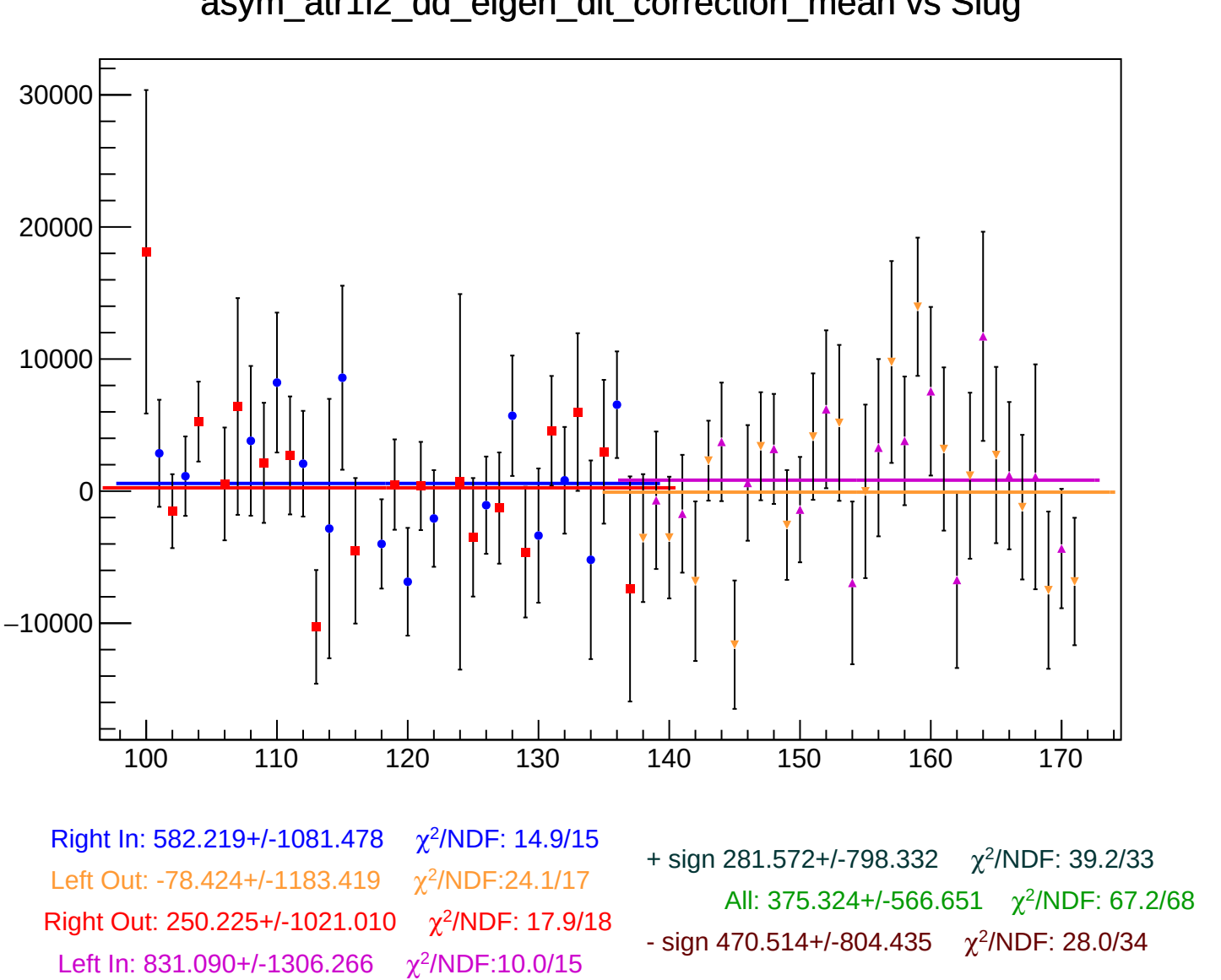
Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

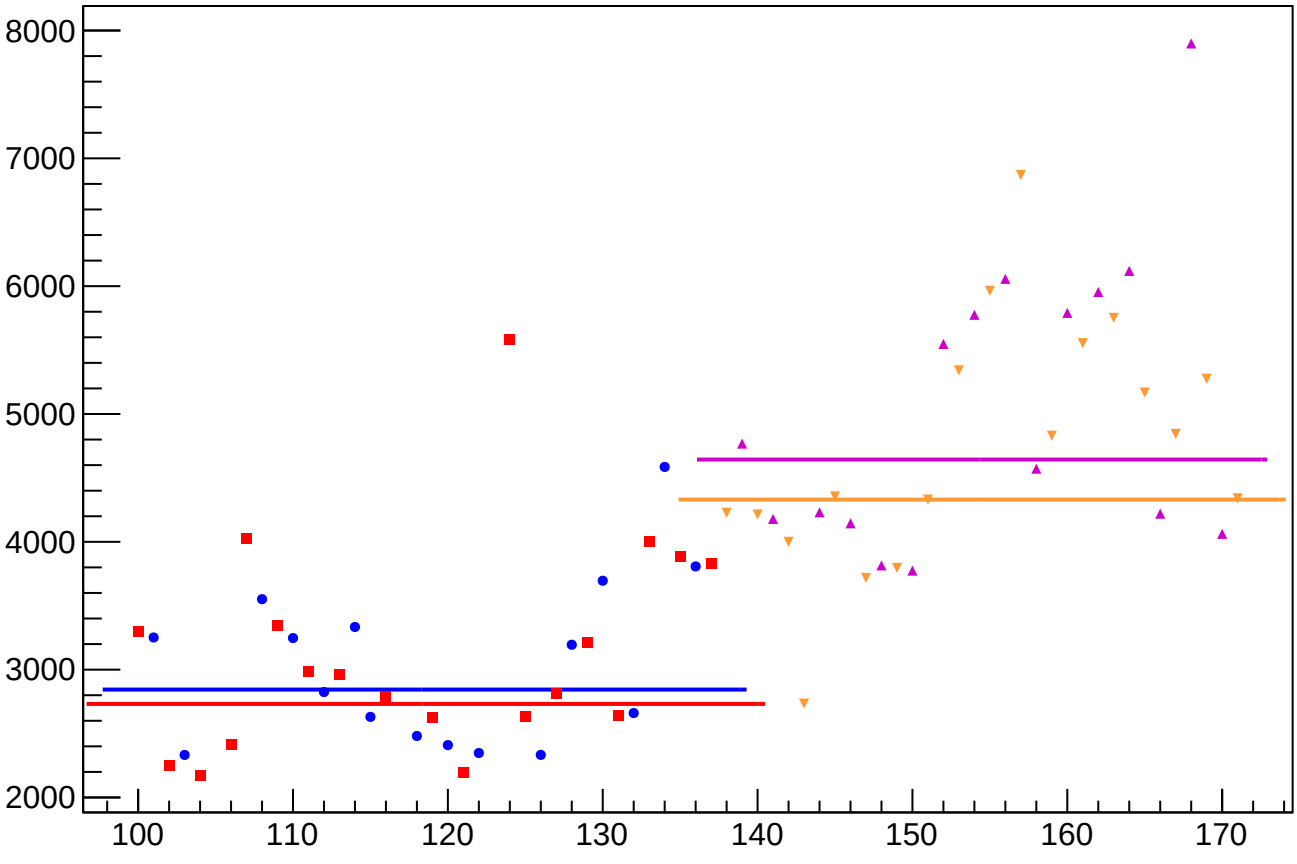
Left In: 1918.756+/-0.373 χ^2/NDF:18974.5/15

+ sign 1821.239+/-0.281 χ^2/NDF: 950678.3/33

All: 1834.924+/-0.202 χ^2/NDF: 1289287.1/68

- sign 1849.519+/-0.290 χ^2/NDF: 333708.3/34


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: -78.424+/-1183.419 χ²/NDF:24.1/17
Right Out: 250.225+/-1021.010 χ²/NDF: 17.9/18
Left In: 831.090+/-1306.266 χ²/NDF:10.0/15
+ sign 281.572+/-798.332 χ²/NDF: 39.2/33
All: 375.324+/-566.651 χ²/NDF: 67.2/68
- sign 470.514+/-804.435 χ²/NDF: 28.0/34



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4330.361+/-0.837 χ^2/NDF:1343780.5/17

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

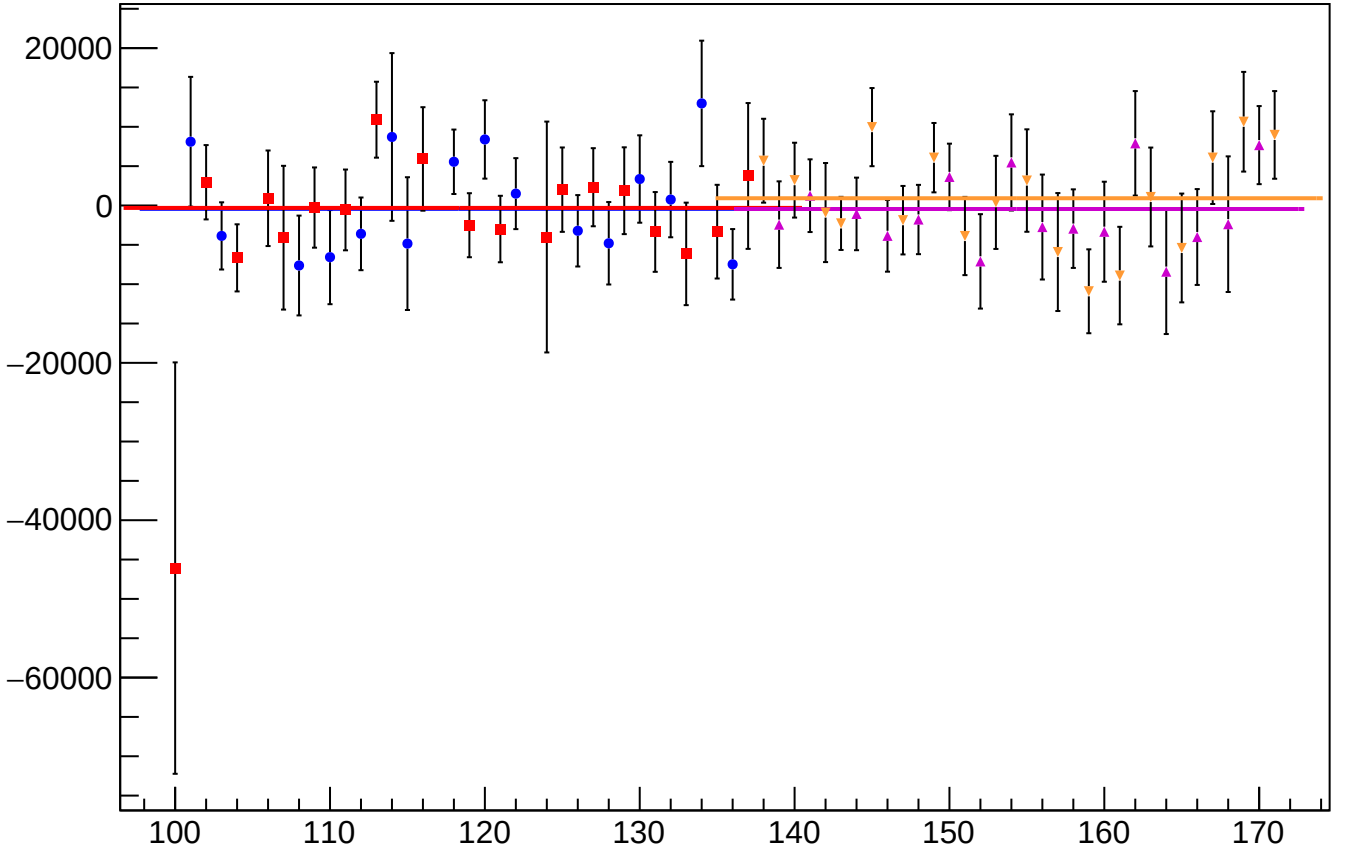
Left In: 4643.760+/-0.924 χ^2/NDF:990479.9/15

+ sign 3520.495+/-0.565 χ^2/NDF: 3604707.9/33

All: 3488.992+/-0.401 χ^2/NDF: 7872039.1/68

- sign 3457.005+/-0.569 χ^2/NDF: 4261054.6/34

asym_atr1l2_dd_mean vs Slug



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 920.671+/-1249.087 χ^2/NDF:22.5/17

Right Out: -307.823+/-1275.718 χ^2/NDF: 15.3/18

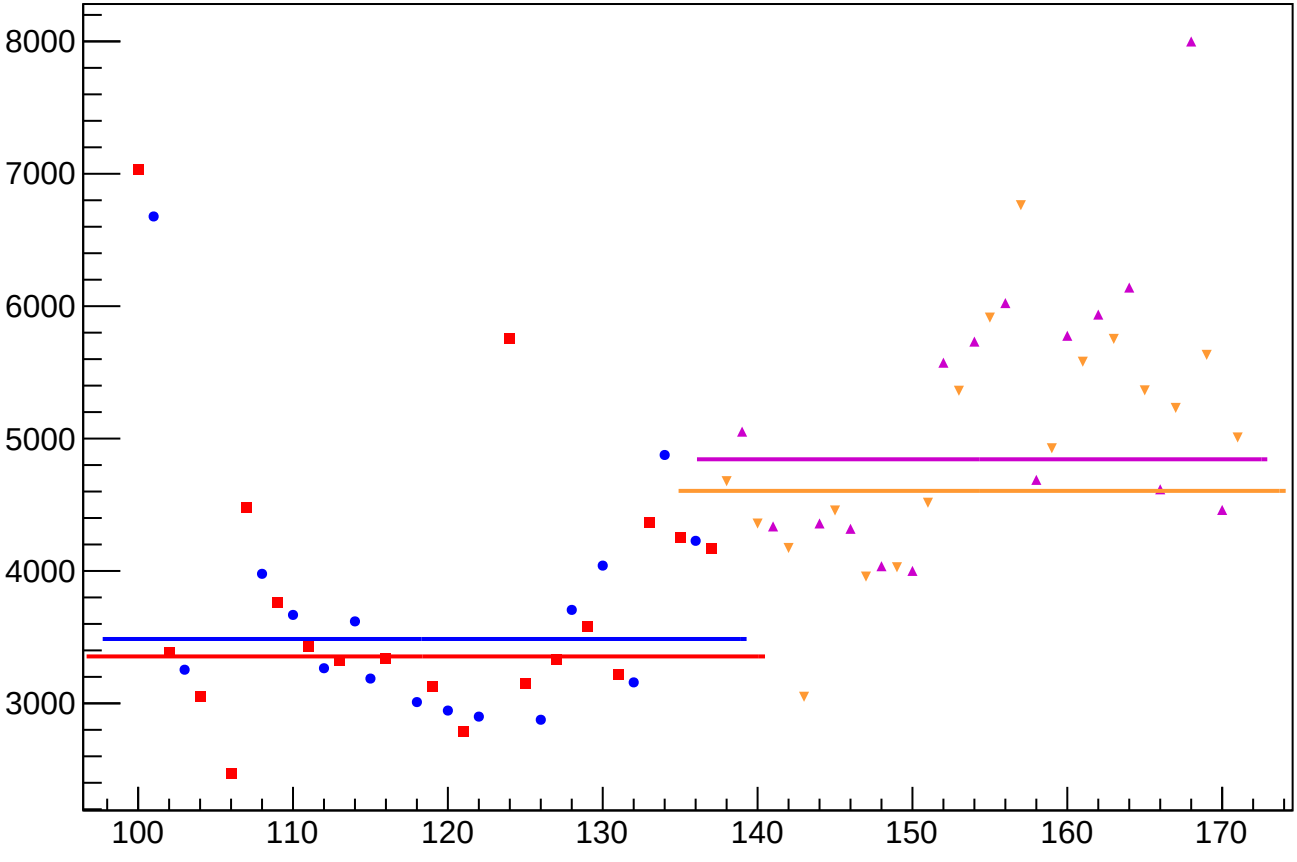
Left In: -446.037+/-1355.663 χ^2/NDF:10.3/15

+ sign 289.506+/-909.618 χ^2/NDF: 40.9/33

All: -34.618+/-649.957 χ^2/NDF: 66.7/68

- sign -372.735+/-929.046 χ^2/NDF: 25.5/34

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4604.914+/-0.883 χ^2/NDF:1033142.8/17

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

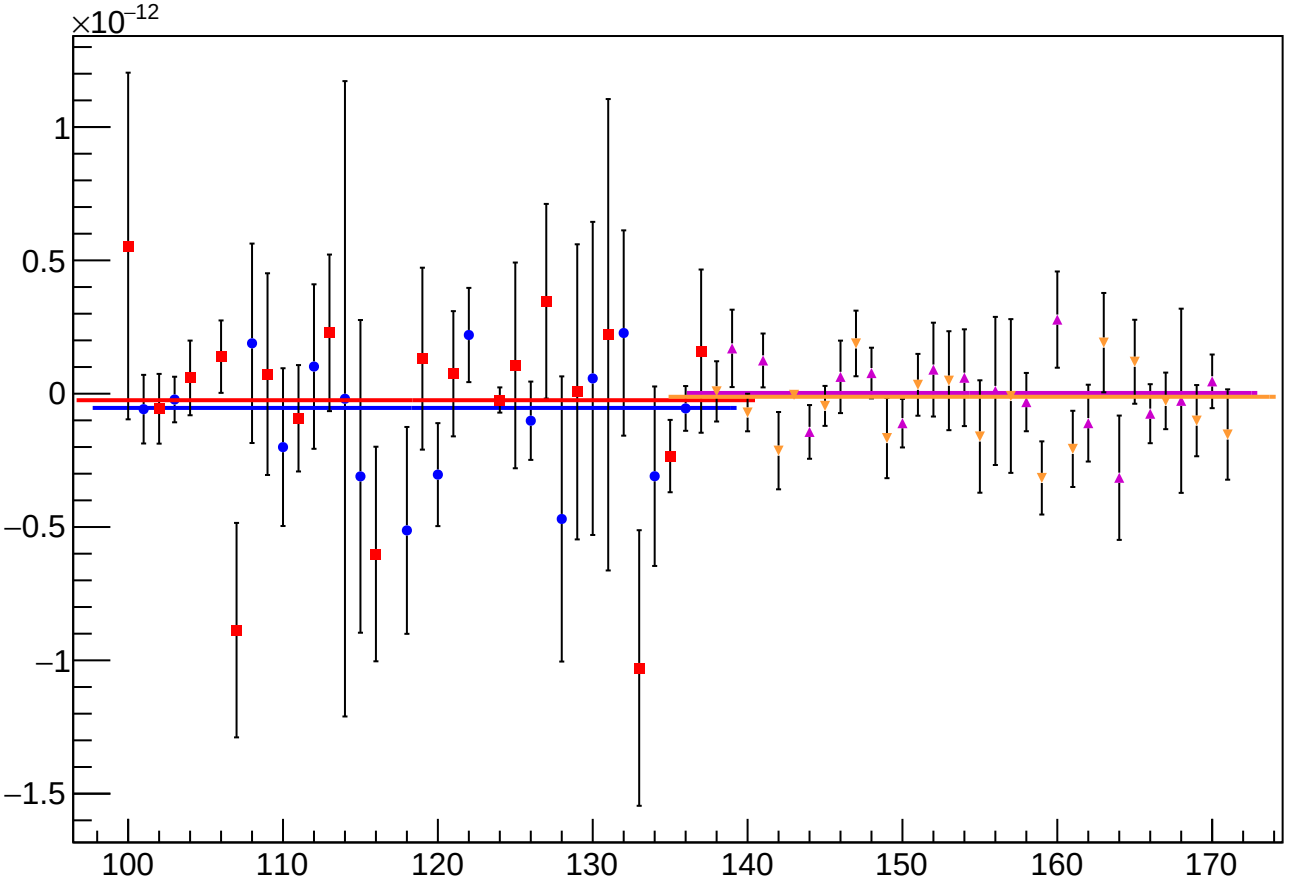
Left In: 4843.452+/-0.959 χ^2/NDF:792403.6/15

+ sign 4079.453+/-0.643 χ^2/NDF: 2382492.4/33

All: 4061.642+/-0.458 χ^2/NDF: 4849401.2/68

- sign 4043.338+/-0.652 χ^2/NDF: 2465354.0/34

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:17.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

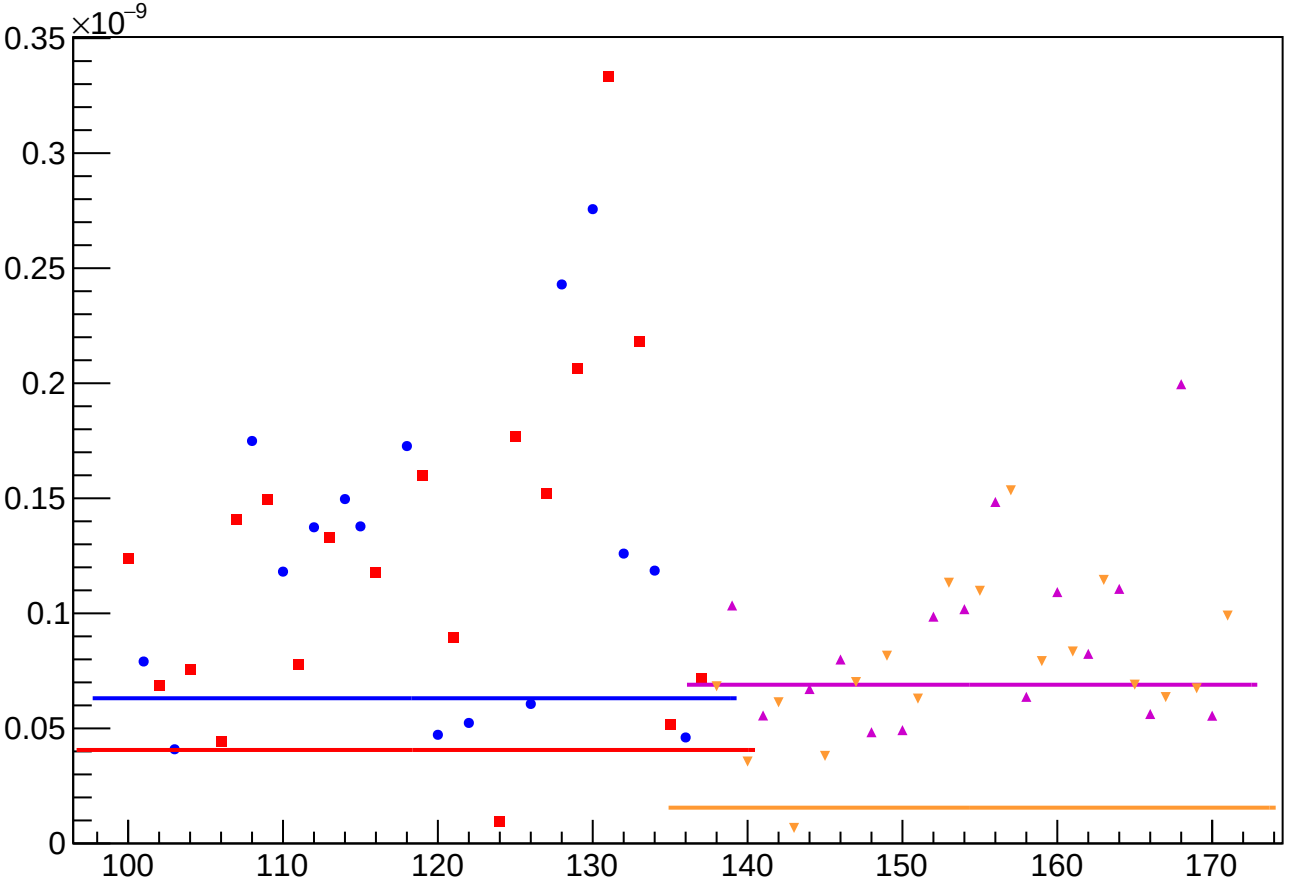
Left In: 0.000+/-0.000 χ^2/NDF:13.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/33

All: -0.000+/-0.000 χ^2/NDF: 58.8/68

- sign -0.000+/-0.000 χ^2/NDF: 31.9/34

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:7308453.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

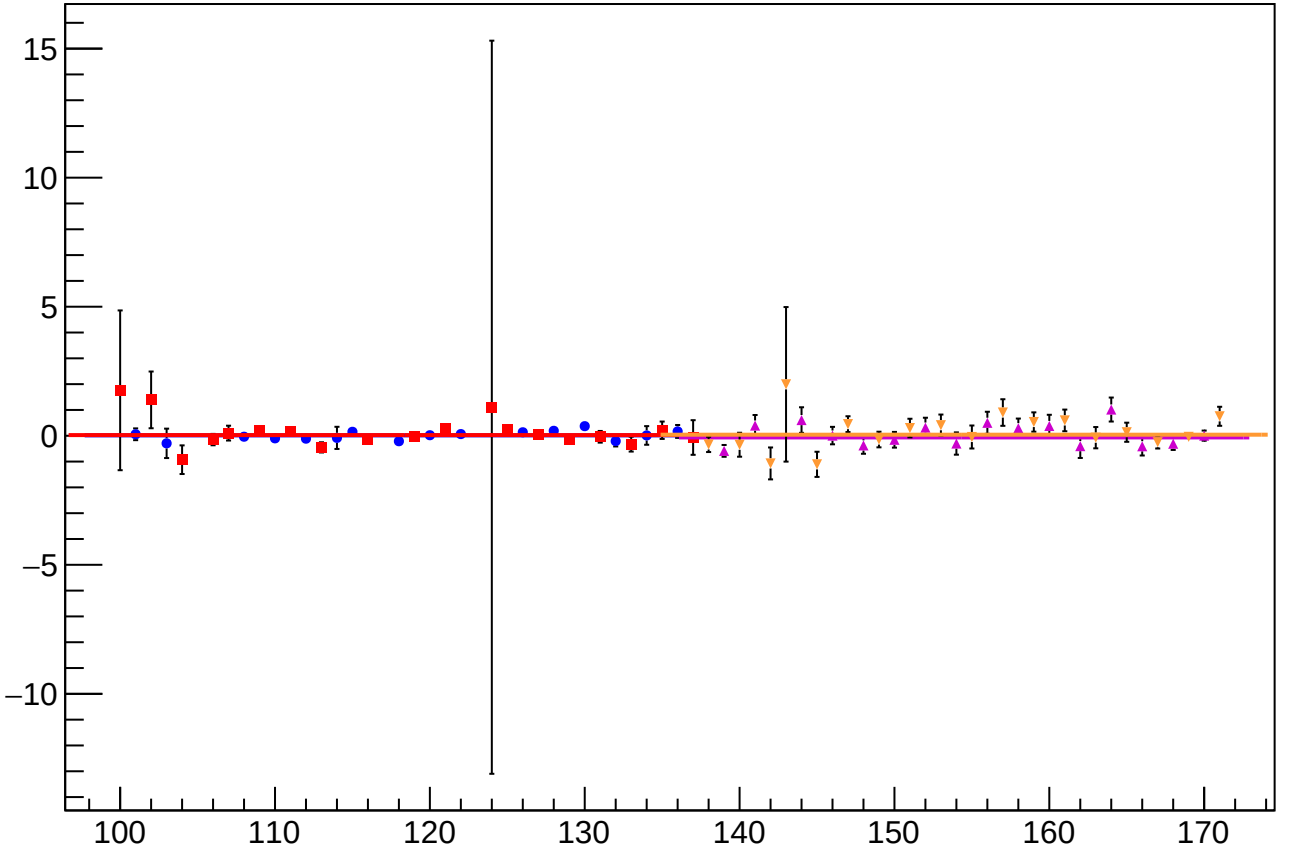
Left In: 0.000+/-0.000 χ^2/NDF:1168849.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 10876004.1/33

All: 0.000+/-0.000 χ^2/NDF: 19960524.1/68

- sign 0.000+/-0.000 χ^2/NDF: 5039356.7/34

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.041+/-0.082 χ^2/NDF:26.8/17

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

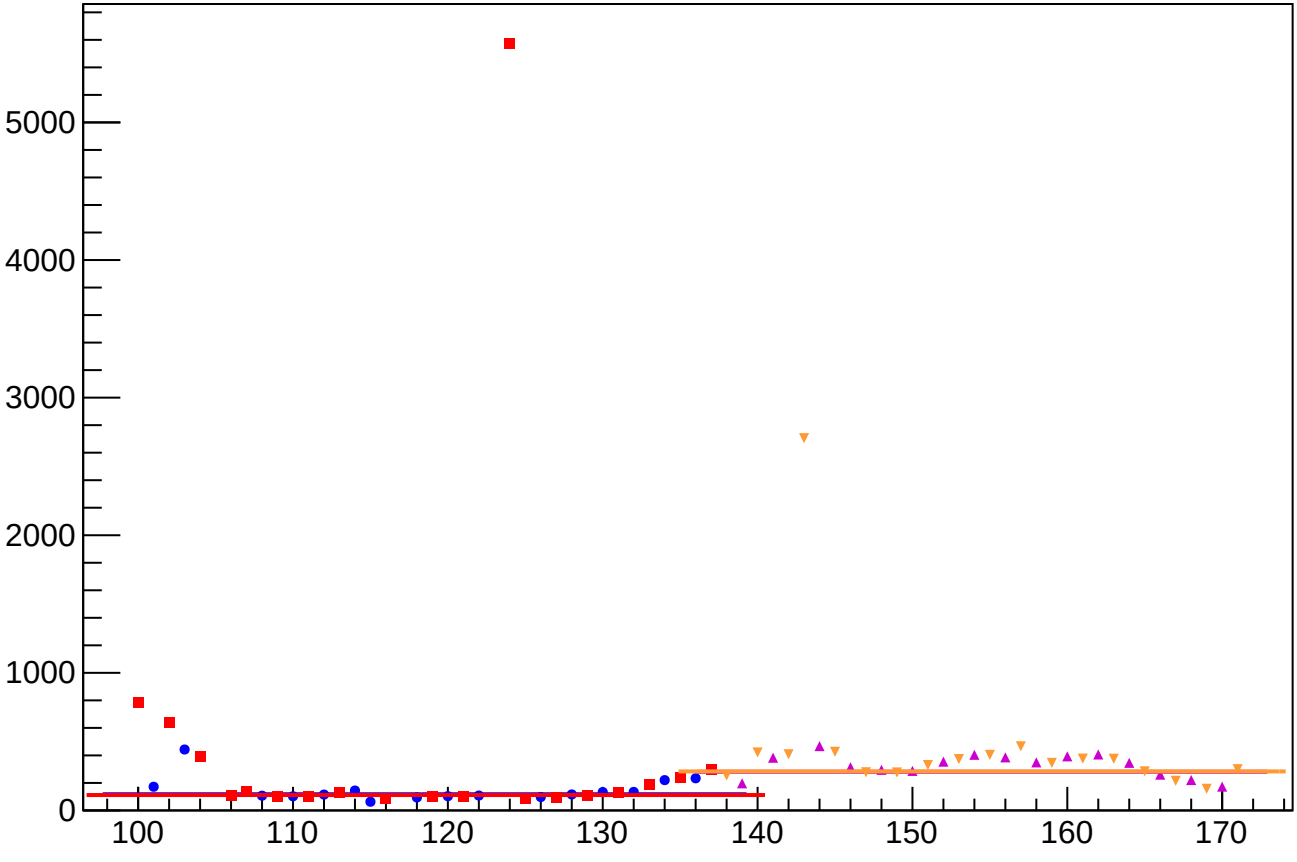
Left In: -0.065+/-0.082 χ^2/NDF:22.4/15

+ sign 0.022+/-0.041 χ^2/NDF: 38.7/33

All: 0.012+/-0.029 χ^2/NDF: 84.2/68

- sign 0.003+/-0.041 χ^2/NDF: 45.4/34

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 283.737+/-0.058 χ^2/NDF:3705312.6/17

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

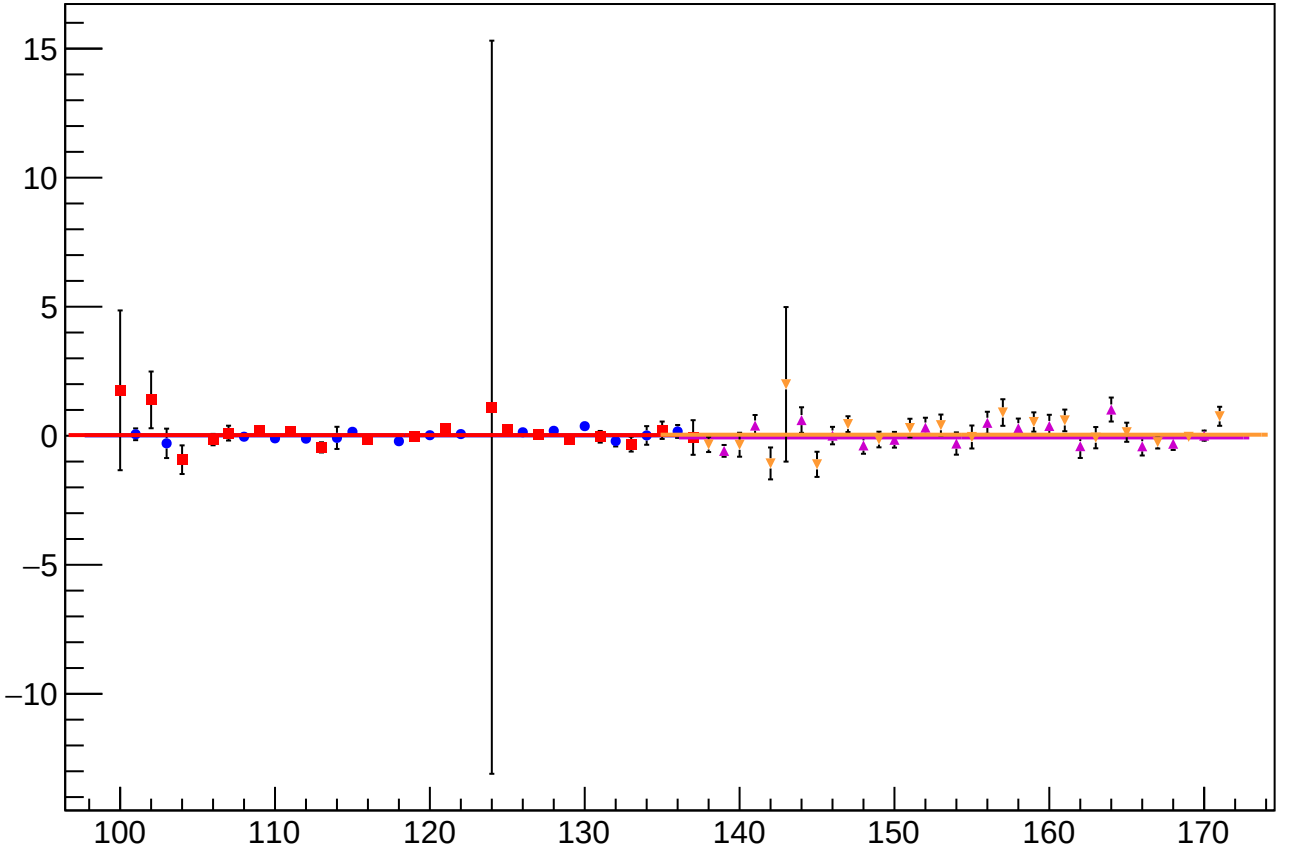
Left In: 281.040+/-0.058 χ^2/NDF:2183824.2/15

+ sign 159.935+/-0.029 χ^2/NDF: 11551332.8/33

All: 156.761+/-0.021 χ^2/NDF: 22344458.5/68

- sign 153.690+/-0.029 χ^2/NDF: 10769942.2/34

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: 0.041+/-0.082 χ^2/NDF:26.8/17

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

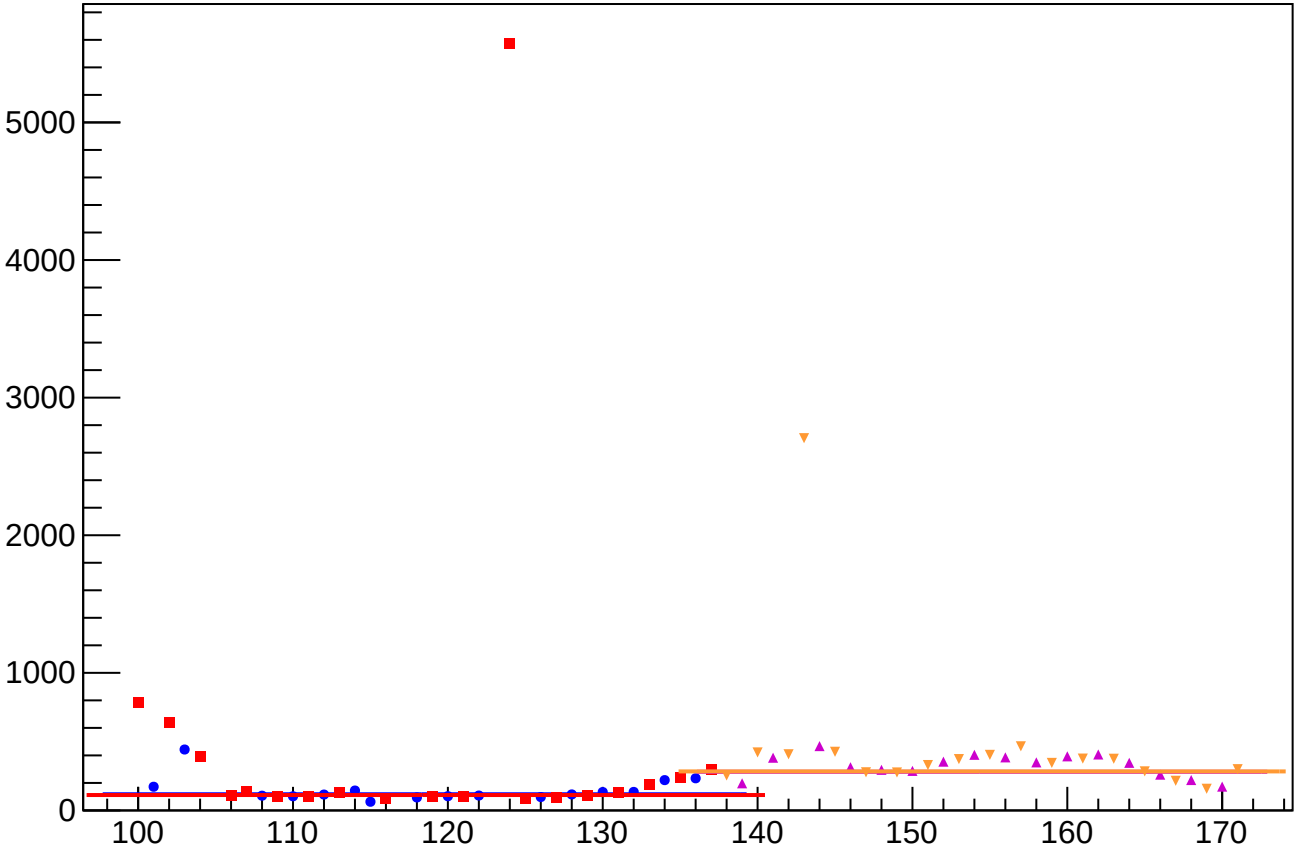
Left In: -0.065+/-0.082 χ^2/NDF:22.4/15

+ sign 0.022+/-0.041 χ^2/NDF: 38.7/33

All: 0.012+/-0.029 χ^2/NDF: 84.2/68

- sign 0.003+/-0.041 χ^2/NDF: 45.4/34

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: 283.737+/-0.058 χ^2/NDF:3705312.6/17

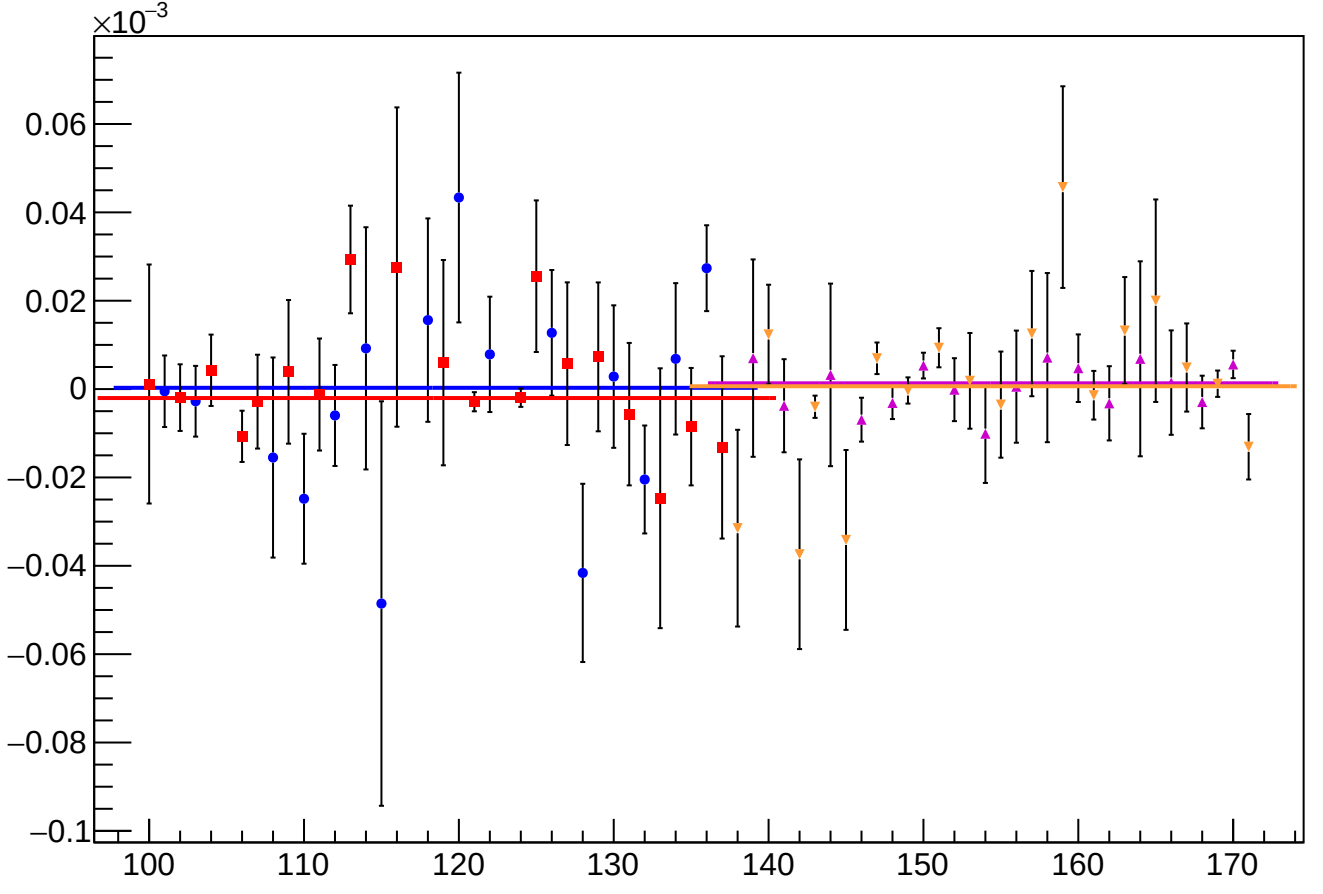
Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 281.040+/-0.058 χ^2/NDF:2183824.2/15

+ sign 159.935+/-0.029 χ^2/NDF: 11551332.8/33

All: 156.761+/-0.021 χ^2/NDF: 22344458.5/68

- sign 153.690+/-0.029 χ^2/NDF: 10769942.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

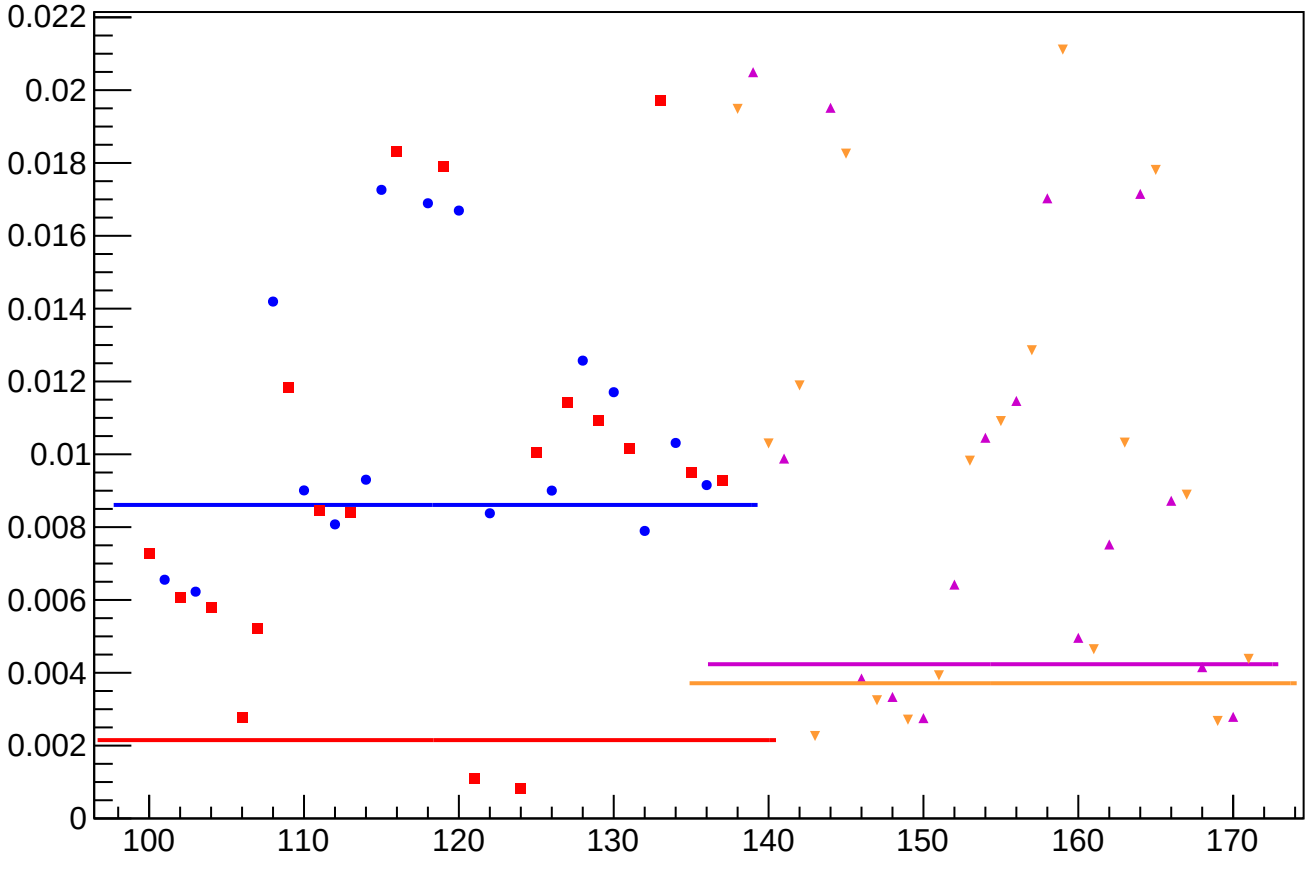
Left In: 0.000+/-0.000 χ^2/NDF:10.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/33

All: -0.000+/-0.000 χ^2/NDF: 82.8/68

- sign -0.000+/-0.000 χ^2/NDF: 28.2/34

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:9480856.9/17

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

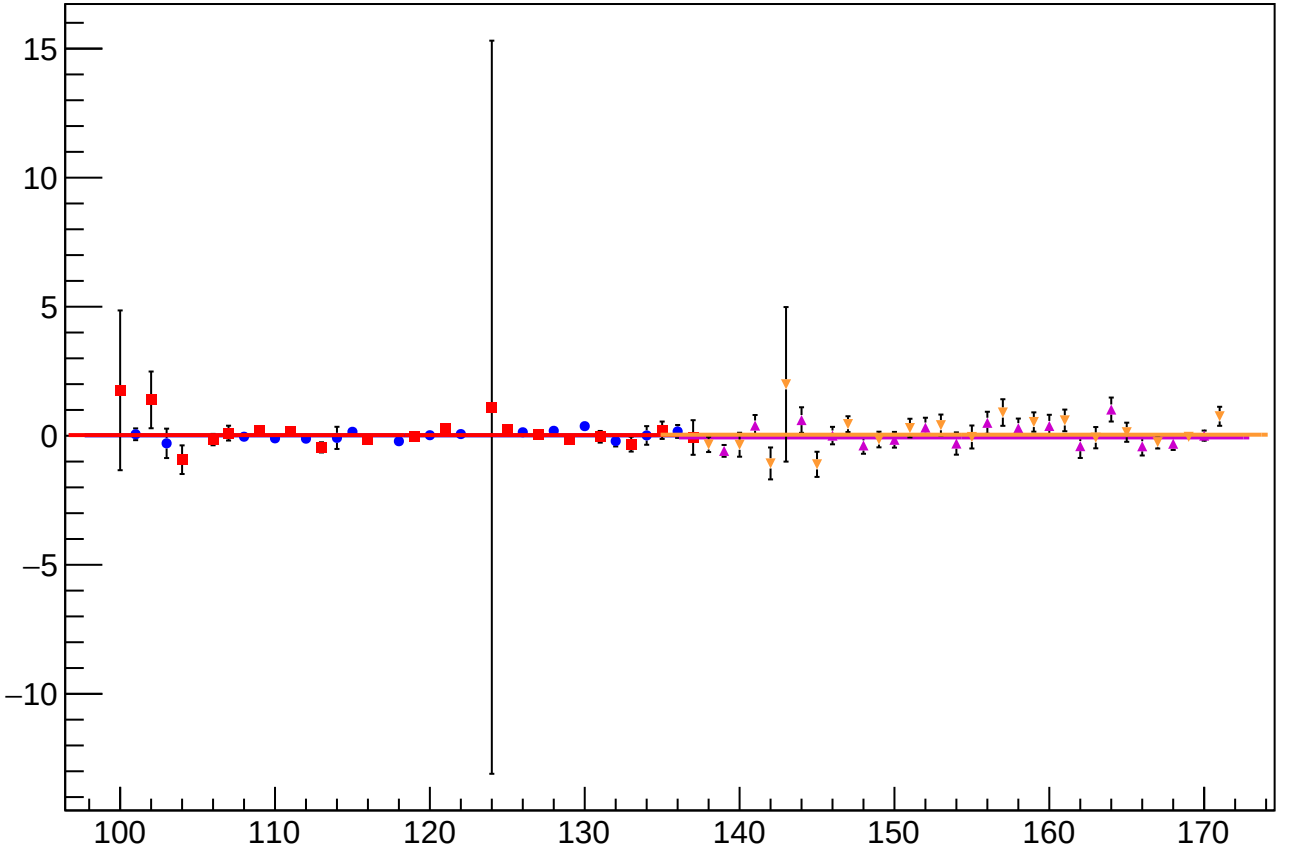
Left In: 0.004+/-0.000 χ^2/NDF:7462980.3/15

+ sign 0.004+/-0.000 χ^2/NDF: 14284050.5/33

All: 0.004+/-0.000 χ^2/NDF: 34284377.1/68

- sign 0.003+/-0.000 χ^2/NDF: 18731463.0/34

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: 0.041+/-0.082 χ^2/NDF:26.8/17

Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

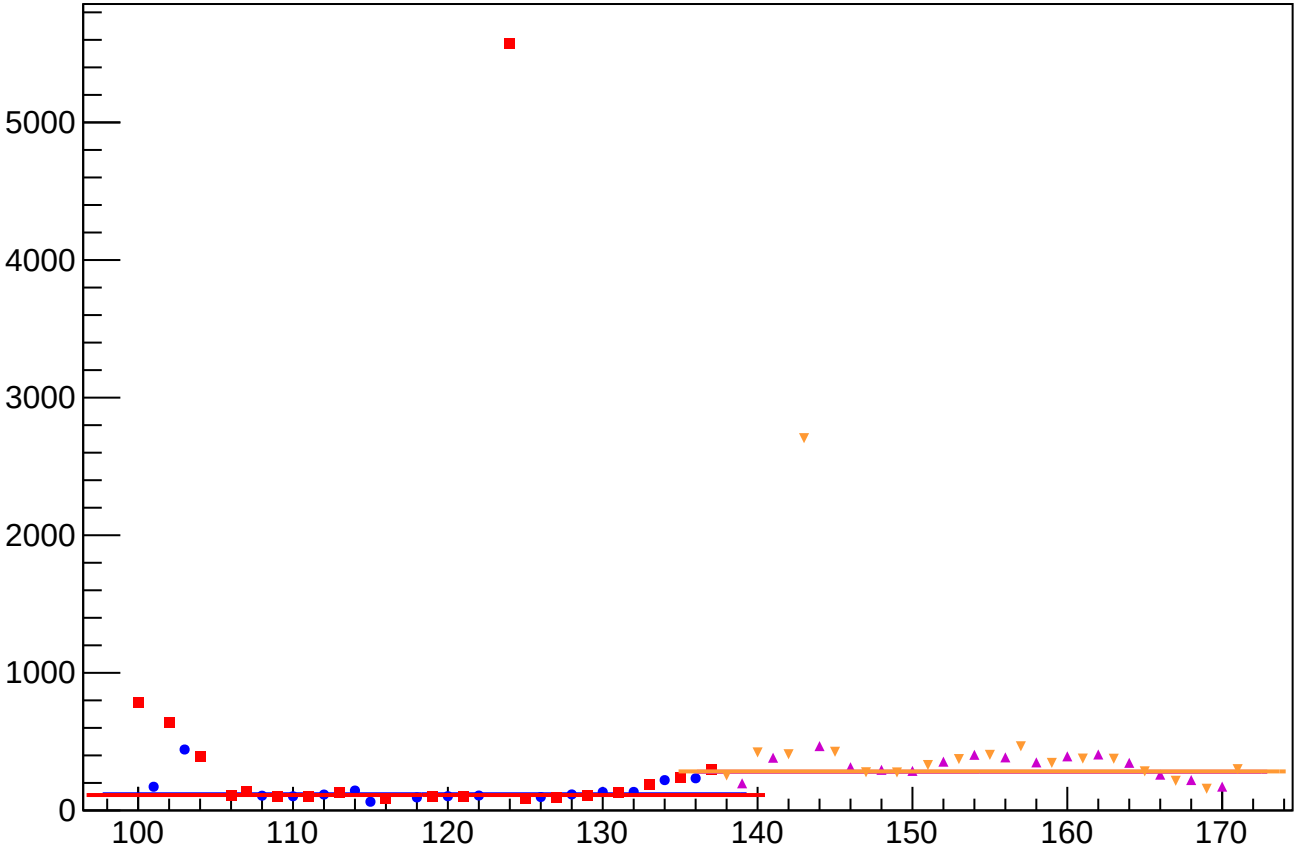
Left In: -0.065+/-0.082 χ^2/NDF:22.4/15

+ sign 0.022+/-0.041 χ^2/NDF: 38.7/33

All: 0.012+/-0.029 χ^2/NDF: 84.2/68

- sign 0.003+/-0.041 χ^2/NDF: 45.4/34

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: 283.739+/-0.058 χ^2/NDF:3705406.5/17

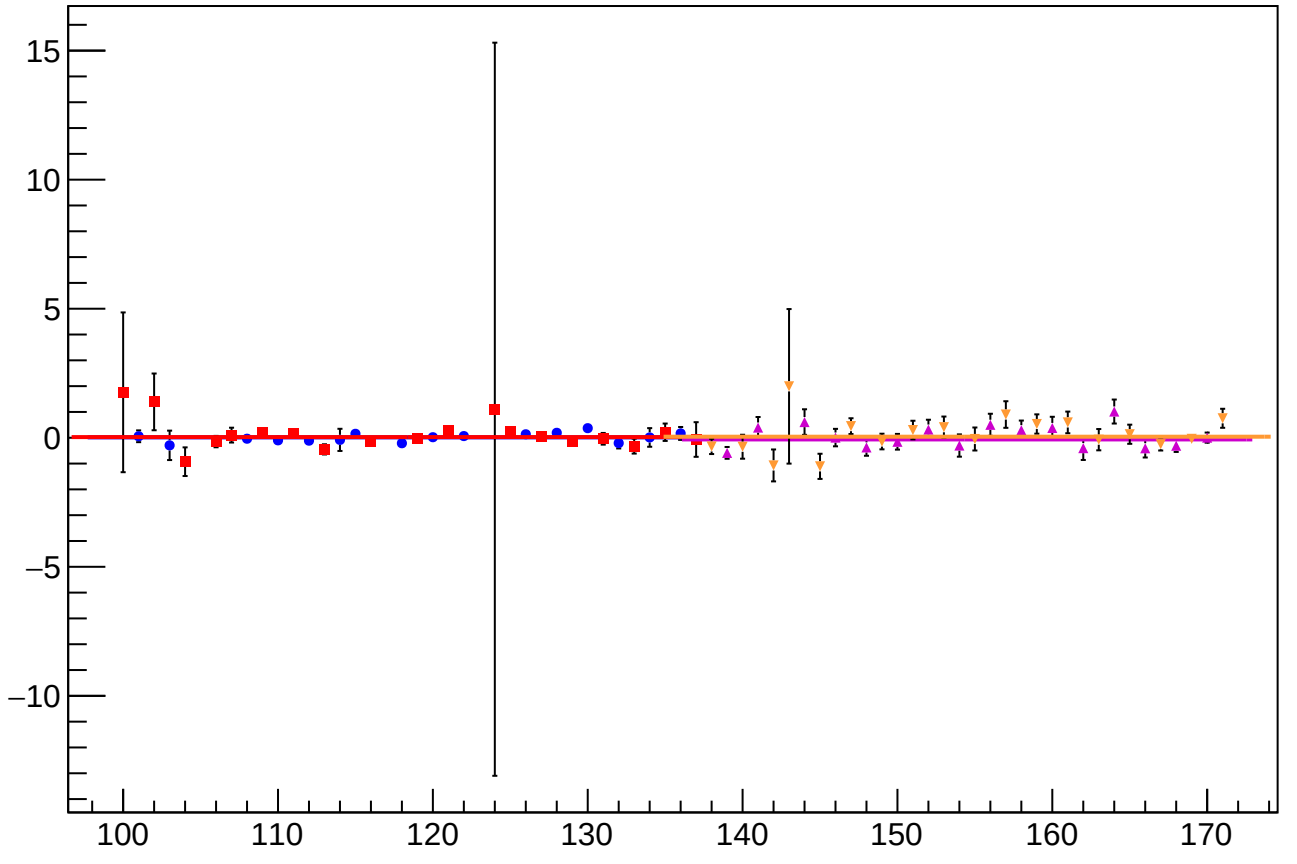
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 281.044+/-0.058 χ^2/NDF:2183851.1/15

+ sign 159.935+/-0.029 χ^2/NDF: 11551467.9/33

All: 156.762+/-0.021 χ^2/NDF: 22344516.1/68

- sign 153.692+/-0.029 χ^2/NDF: 10769879.4/34



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.041+/-0.082 χ^2/NDF:26.8/17

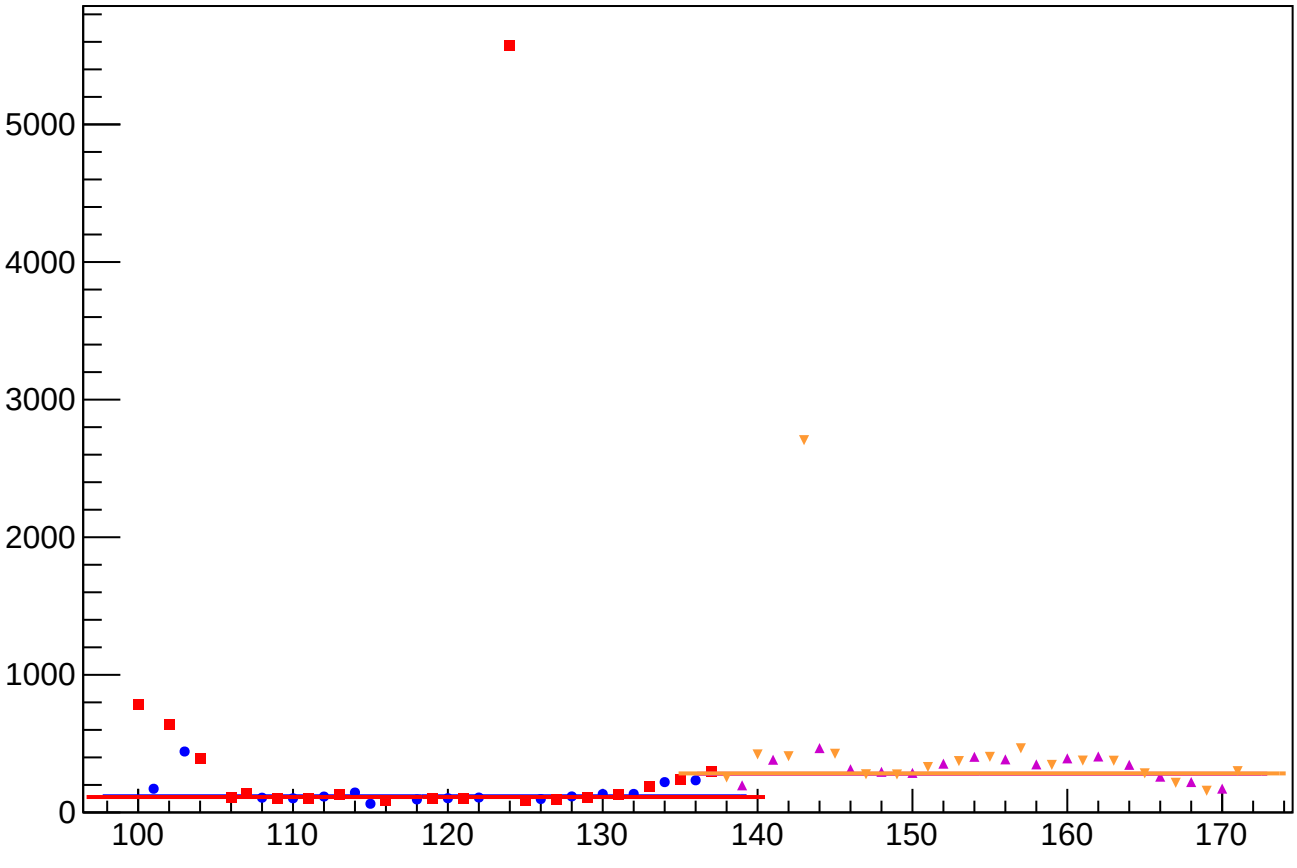
Right Out: 0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: -0.065+/-0.082 χ^2/NDF:22.4/15

+ sign 0.022+/-0.041 χ^2/NDF: 38.7/33

All: 0.012+/-0.029 χ^2/NDF: 84.2/68

- sign 0.003+/-0.041 χ^2/NDF: 45.4/34



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 283.739+/-0.058 χ^2/NDF:3705406.5/17

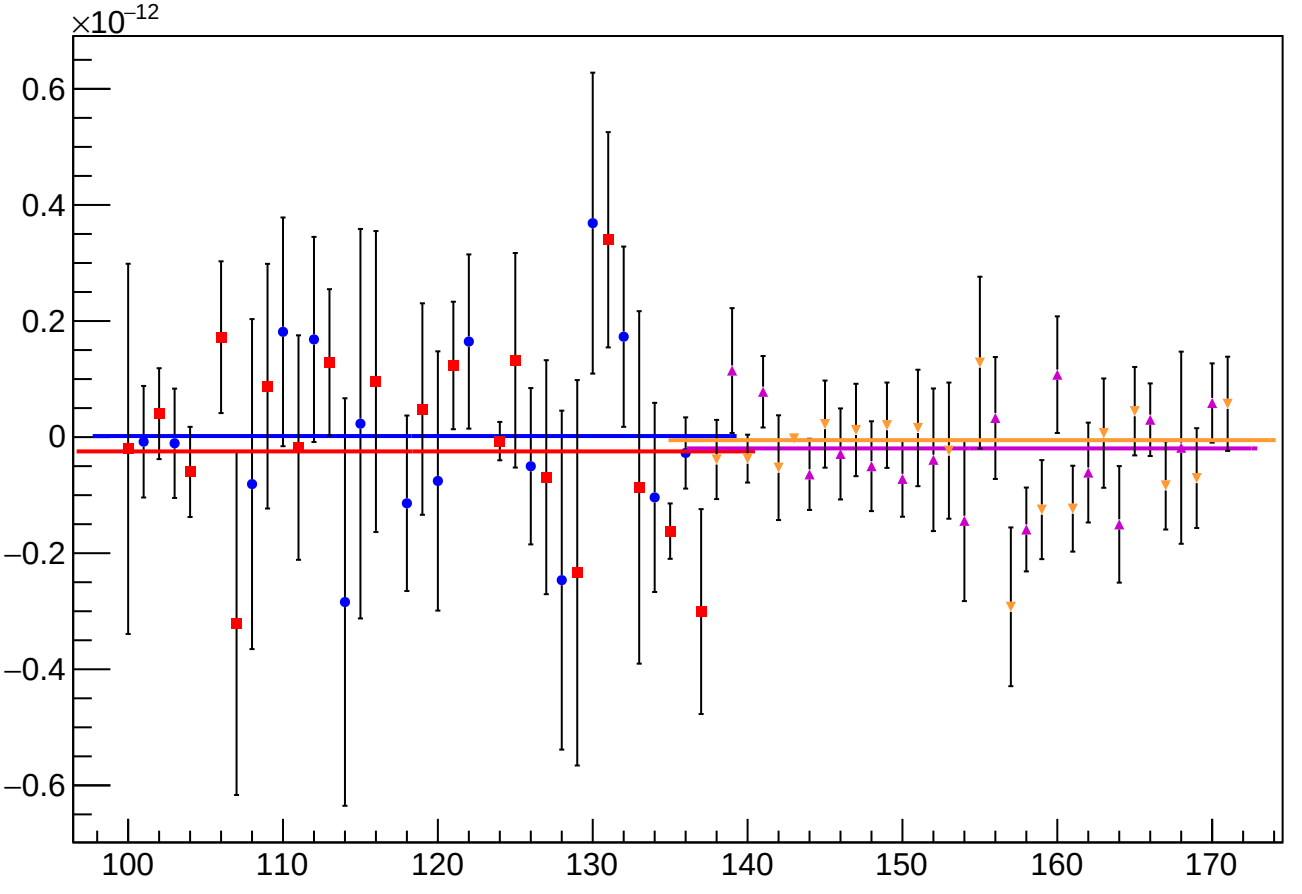
Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 281.044+/-0.058 χ^2/NDF:2183851.1/15

+ sign 159.935+/-0.029 χ^2/NDF: 11551467.9/33

All: 156.762+/-0.021 χ^2/NDF: 22344516.1/68

- sign 153.692+/-0.029 χ^2/NDF: 10769879.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/17

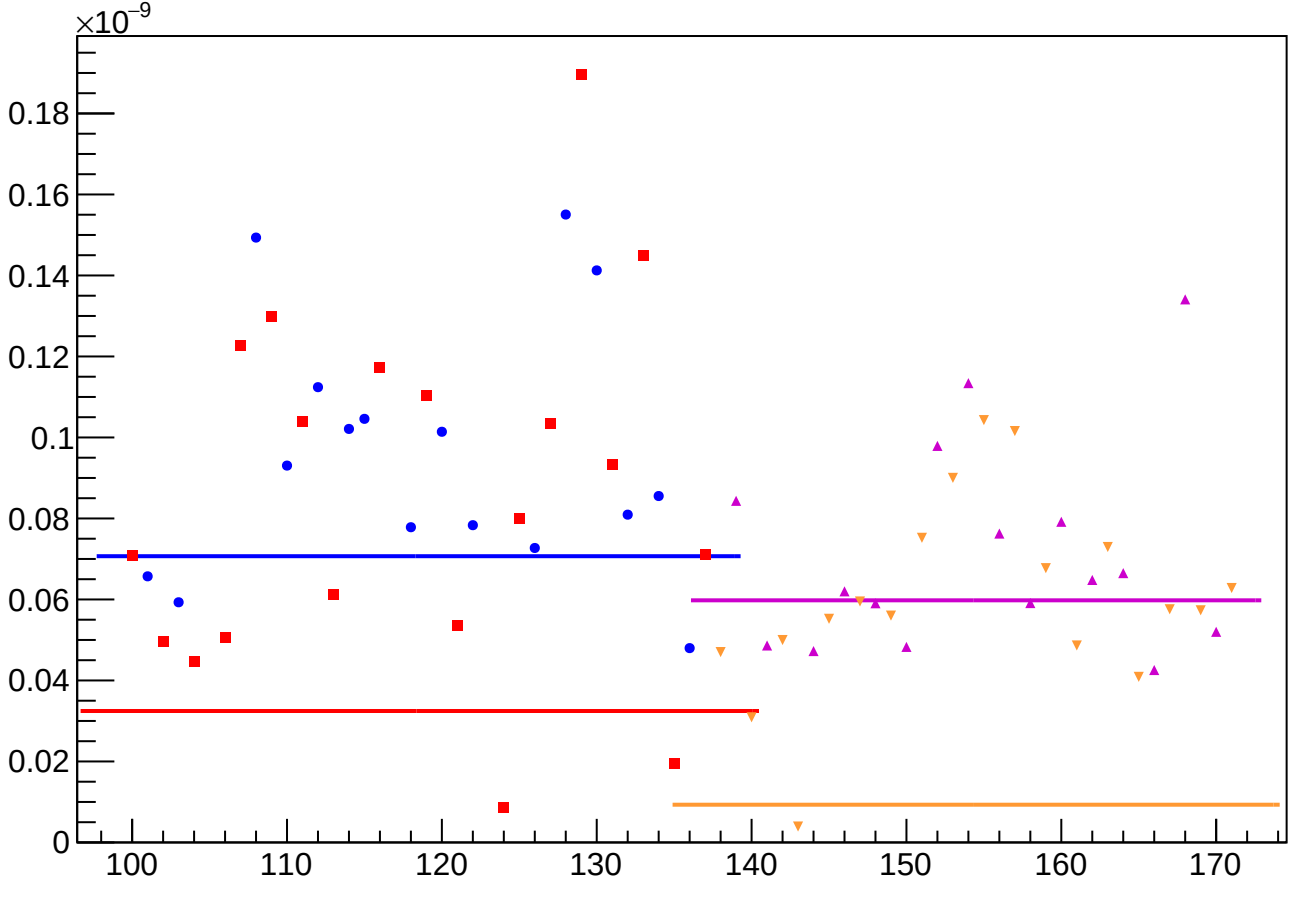
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 23.3/33

All: -0.000+/-0.000 χ^2/NDF: 64.3/68

- sign -0.000+/-0.000 χ^2/NDF: 40.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13840167.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

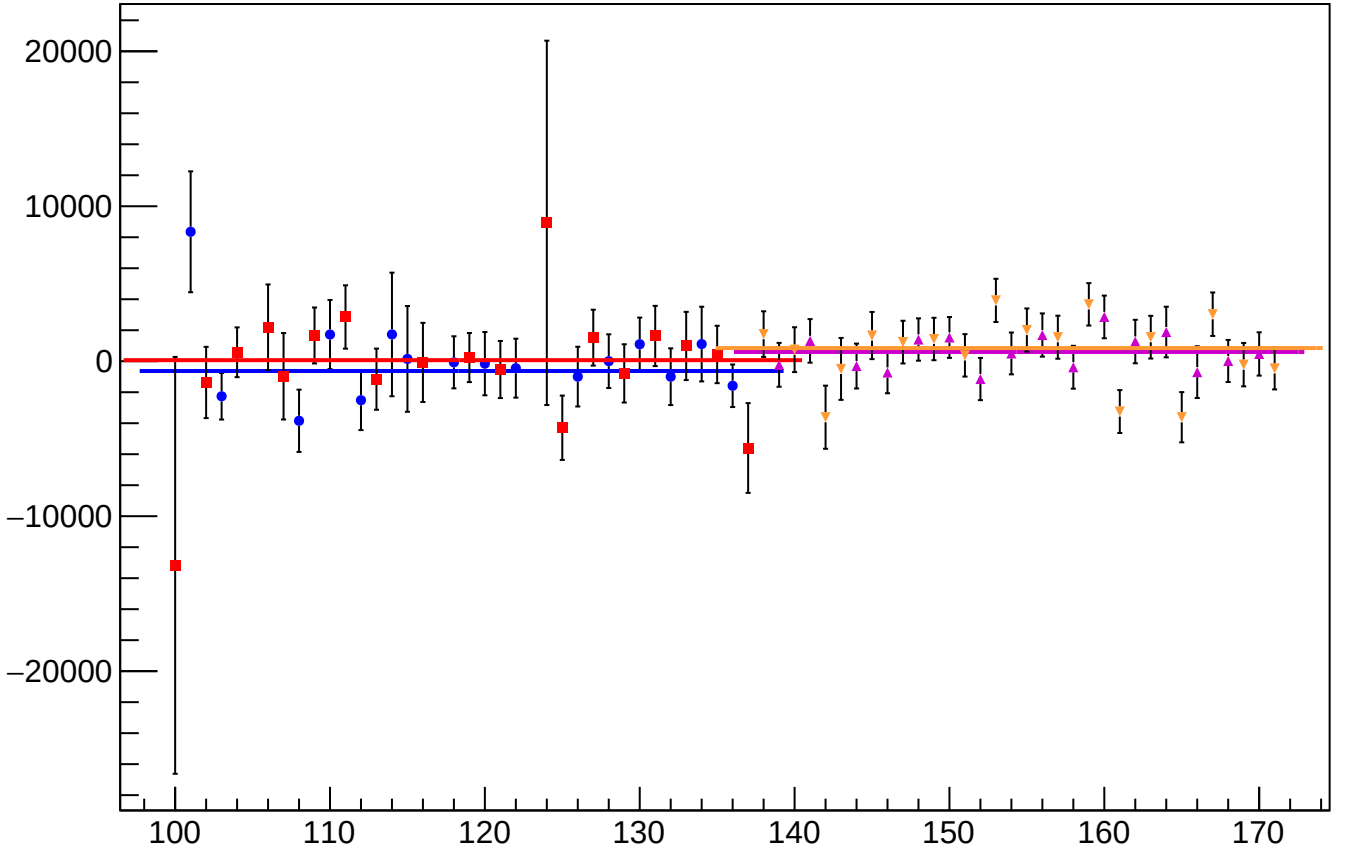
Left In: 0.000+/-0.000 χ^2/NDF:1530593.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 21008716.8/33

All: 0.000+/-0.000 χ^2/NDF: 38594811.1/68

- sign 0.000+/-0.000 χ^2/NDF: 7675733.6/34

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

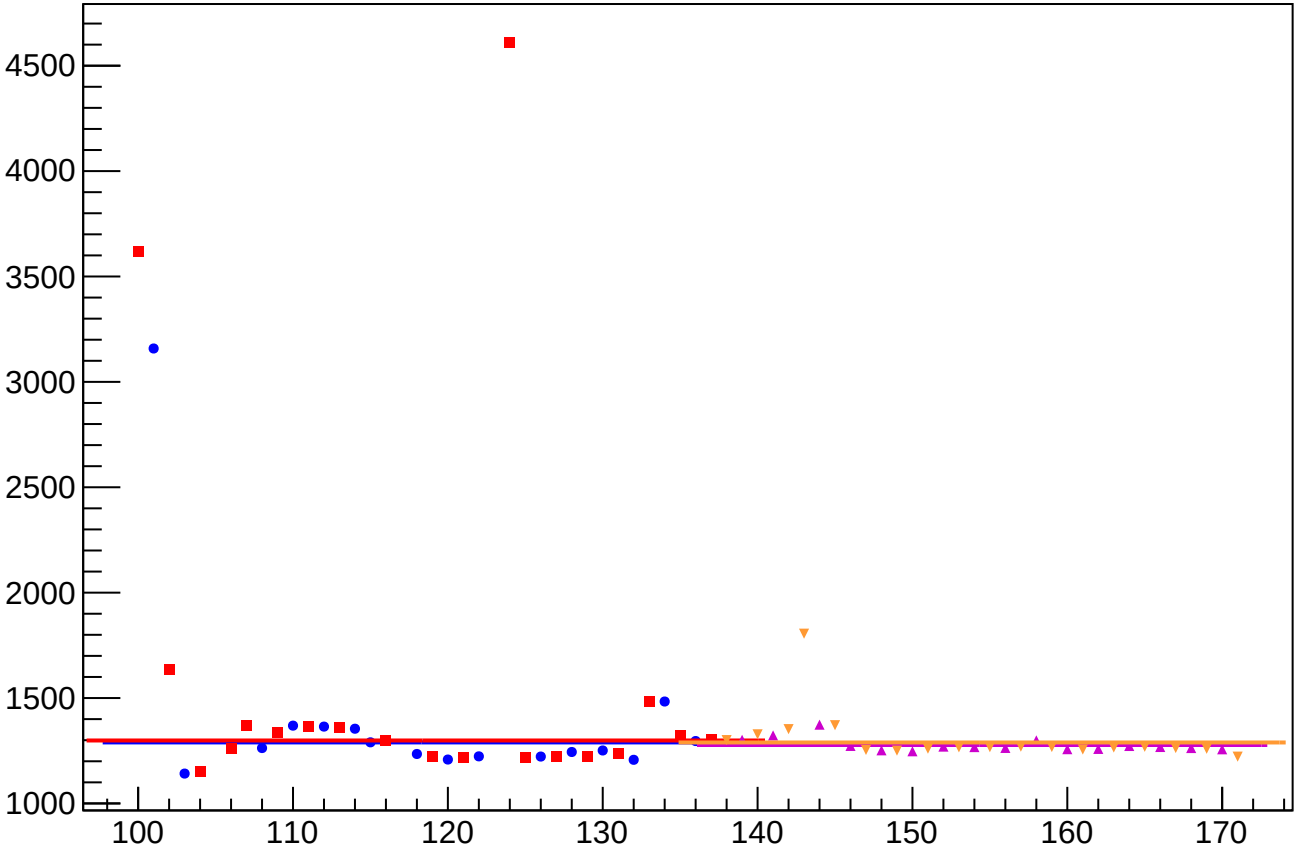
Left In: 594.475+/-351.364 χ^2/NDF:9.9/15

+ sign 362.118+/-280.387 χ^2/NDF: 57.0/33

All: 387.867+/-199.907 χ^2/NDF: 83.6/68

- sign 414.489+/-285.095 χ^2/NDF: 26.6/34

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

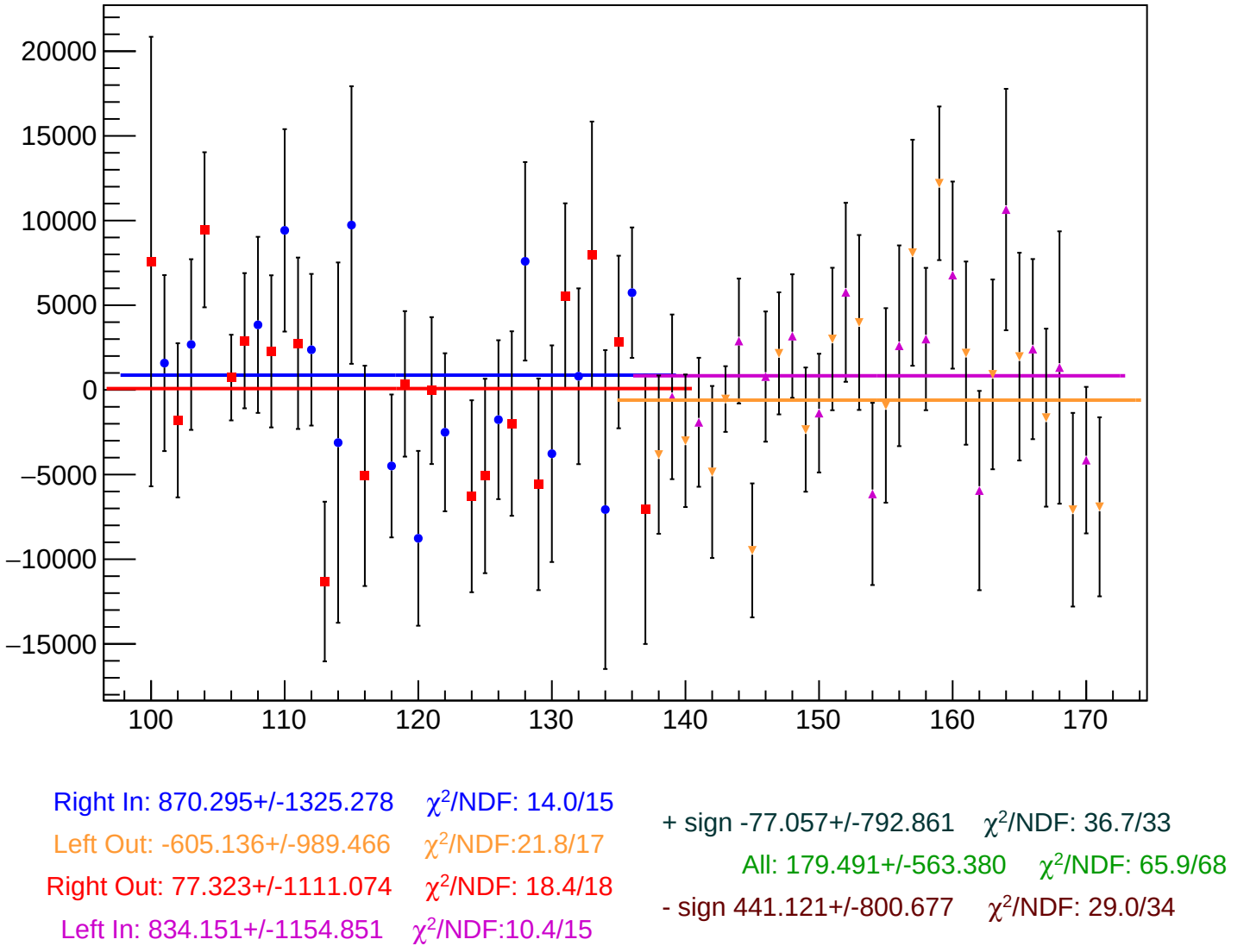
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

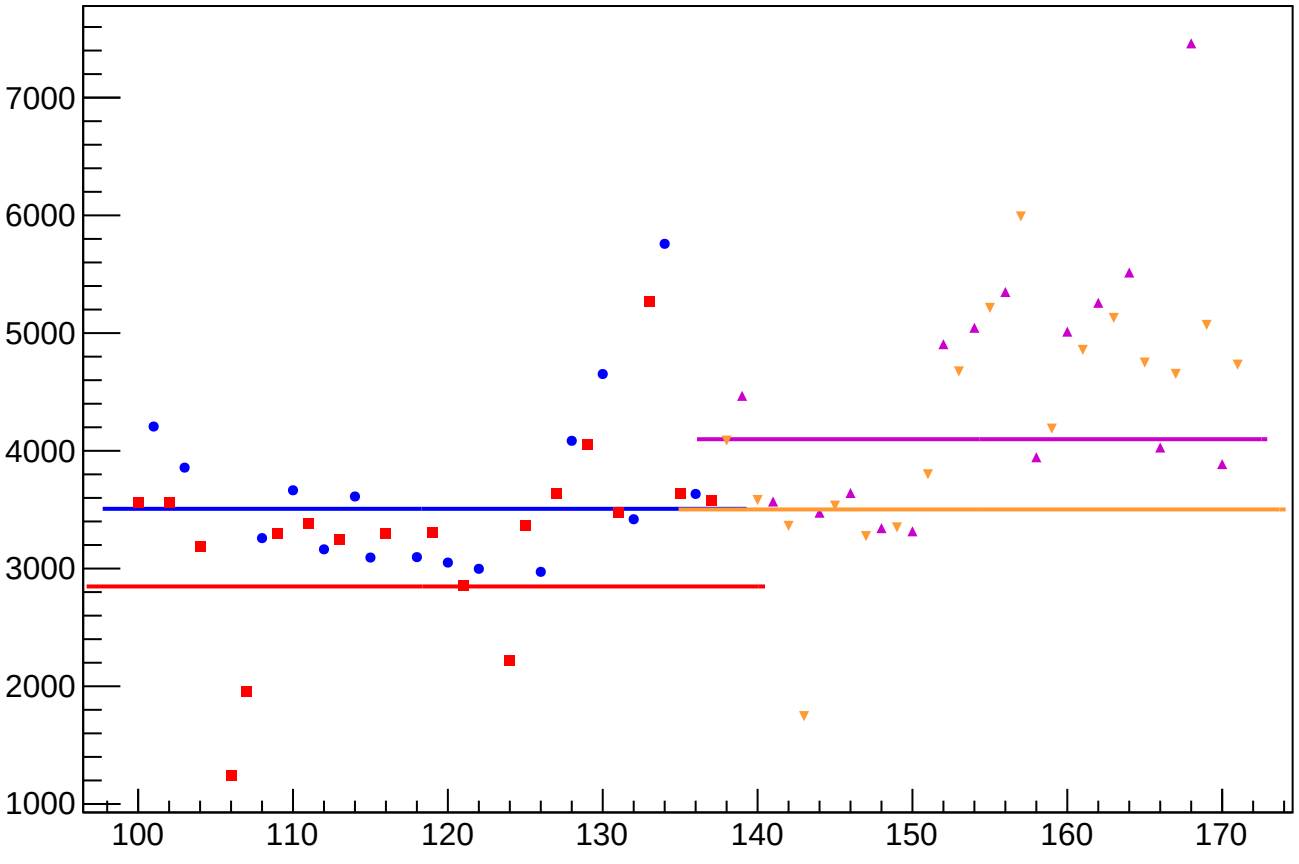
Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671820.3/33

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68

- sign 1284.582+/-0.201 χ^2/NDF: 337584.5/34


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -605.136+/-989.466 χ²/NDF:21.8/17
Right Out: 77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: 834.151+/-1154.851 χ²/NDF:10.4/15
+ sign -77.057+/-792.861 χ²/NDF: 36.7/33
All: 179.491+/-563.380 χ²/NDF: 65.9/68
- sign 441.121+/-800.677 χ²/NDF: 29.0/34



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

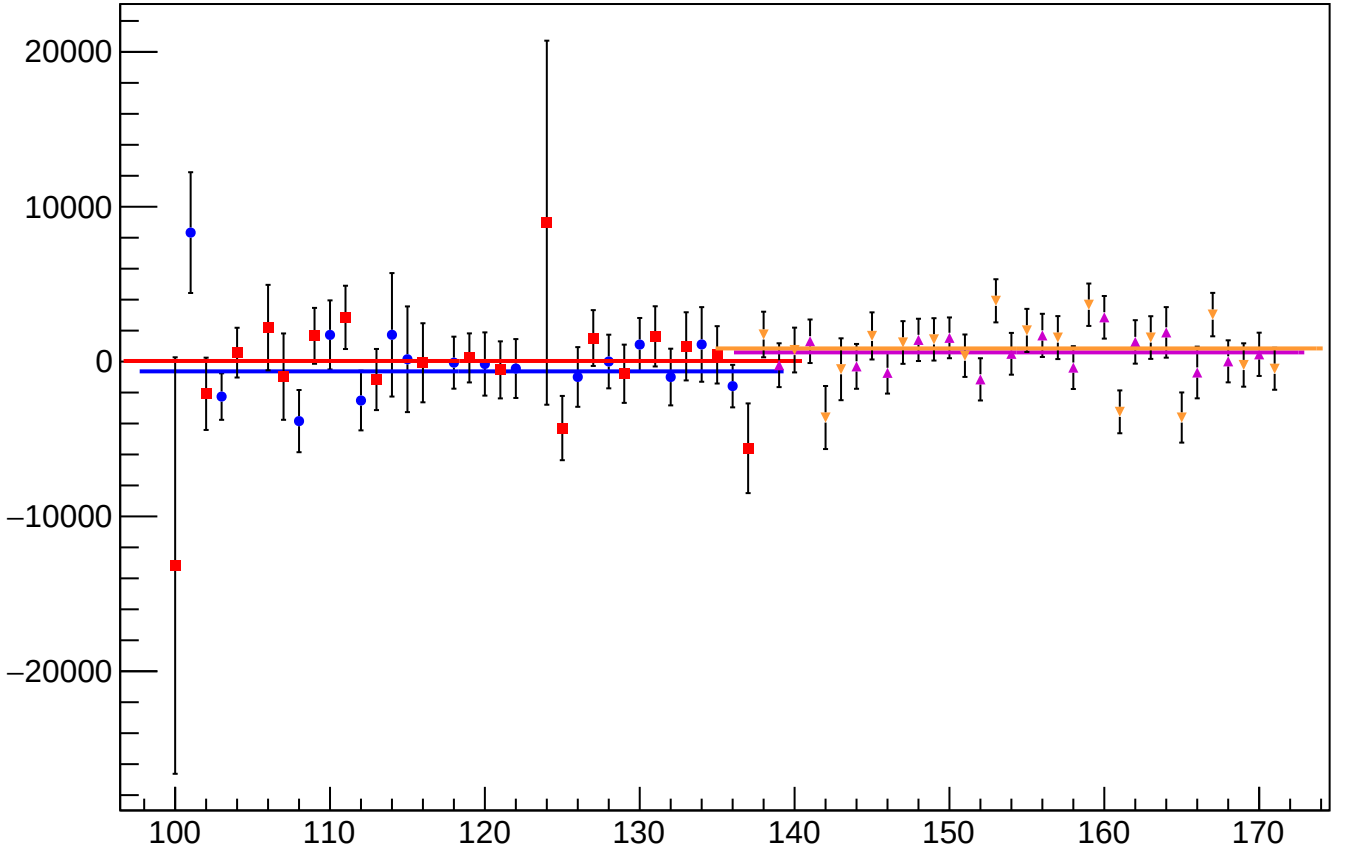
Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

+ sign 3503.928+/-0.561 χ^2/NDF: 3384673.4/33

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68

- sign 3449.079+/-0.566 χ^2/NDF: 3804776.3/34

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

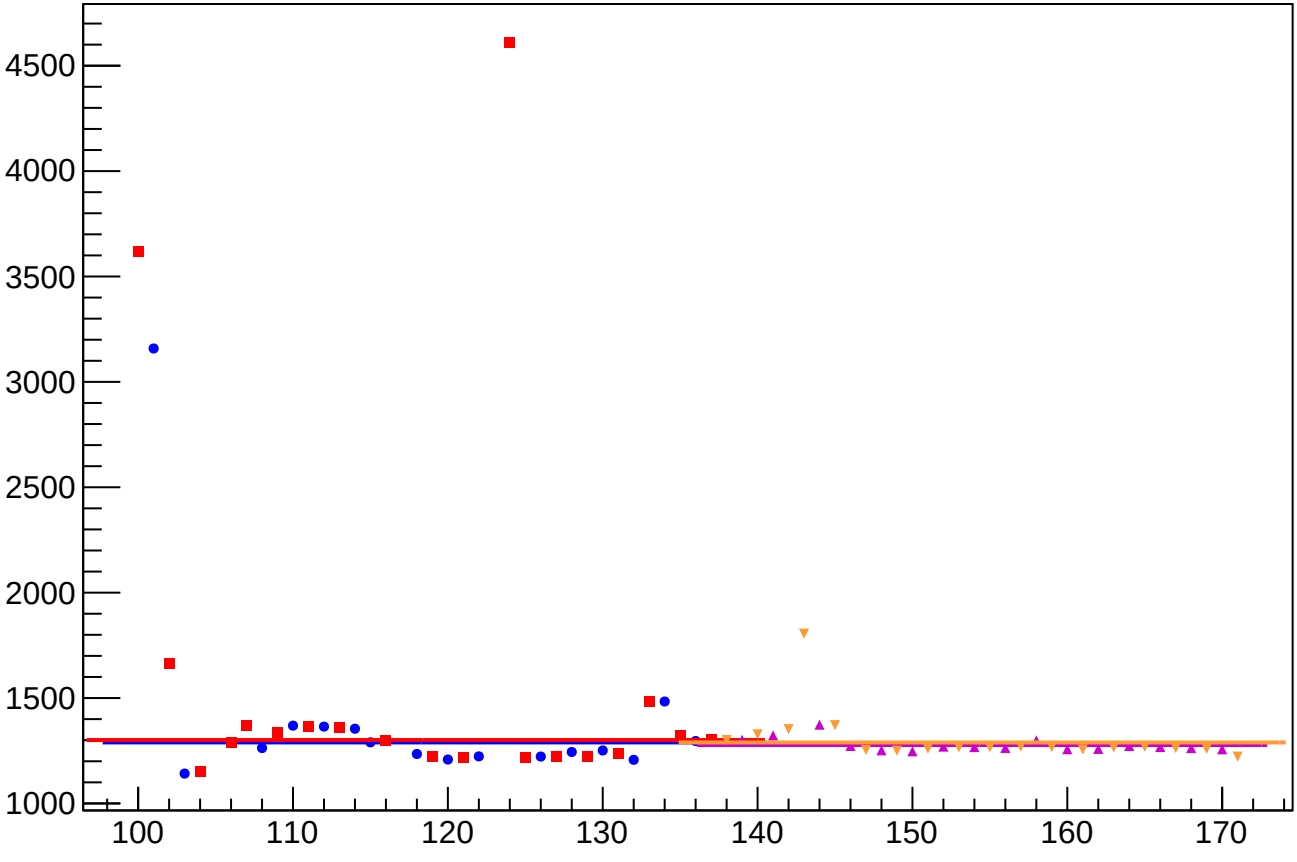
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

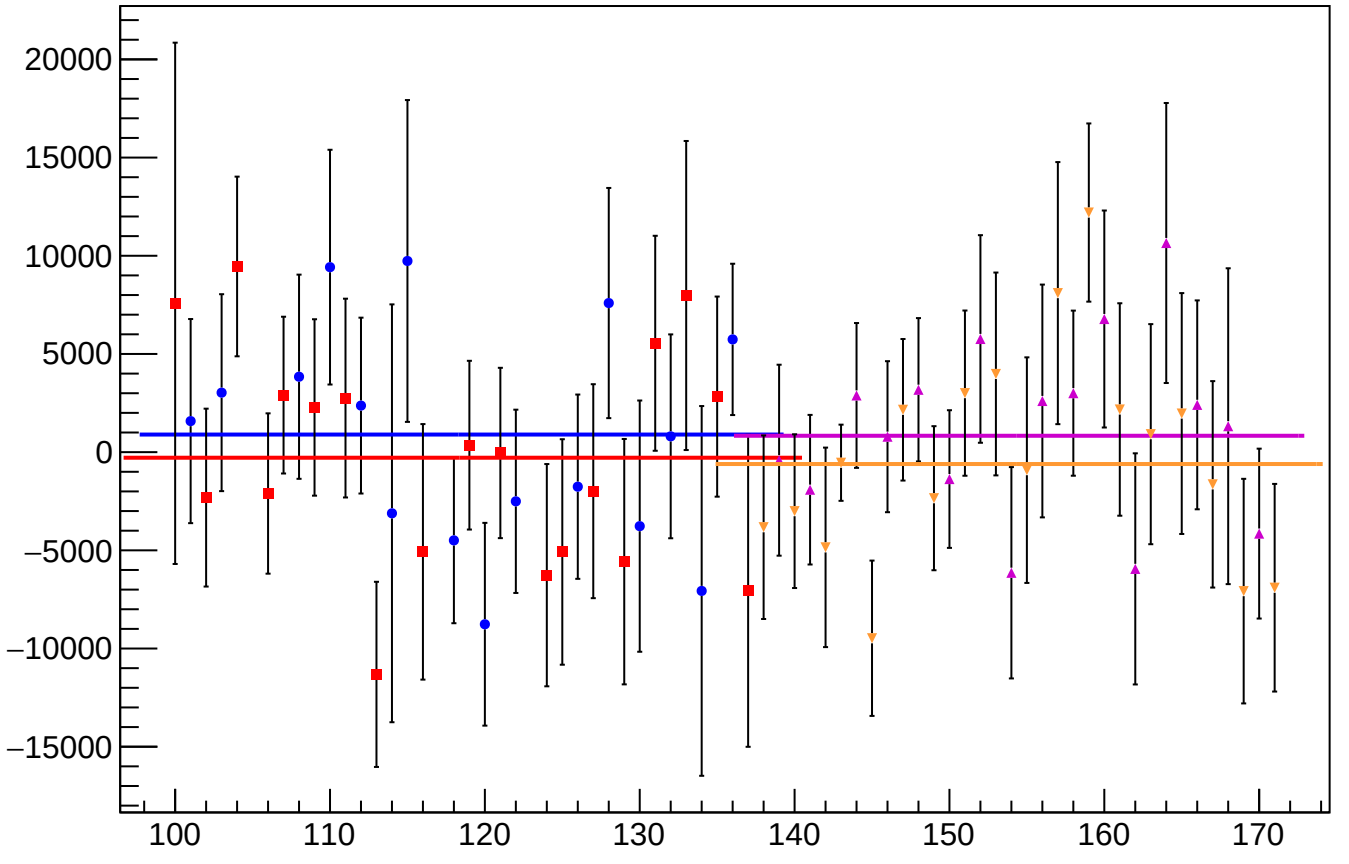
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

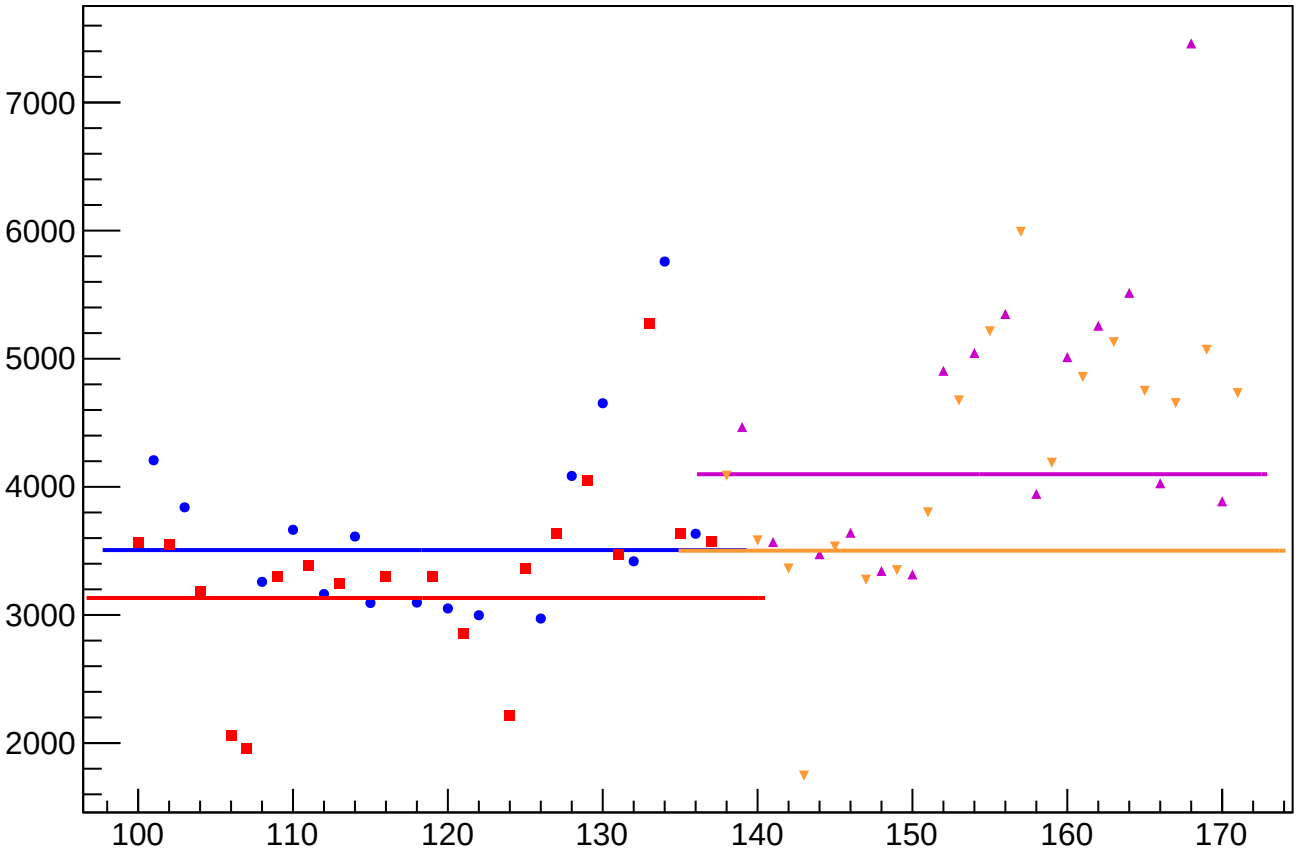
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 834.195+/-1154.849 χ^2/NDF:10.4/15

+ sign -67.557+/-792.763 χ^2/NDF: 36.8/33

All: 103.147+/-572.101 χ^2/NDF: 66.3/68

- sign 288.659+/-826.433 χ^2/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

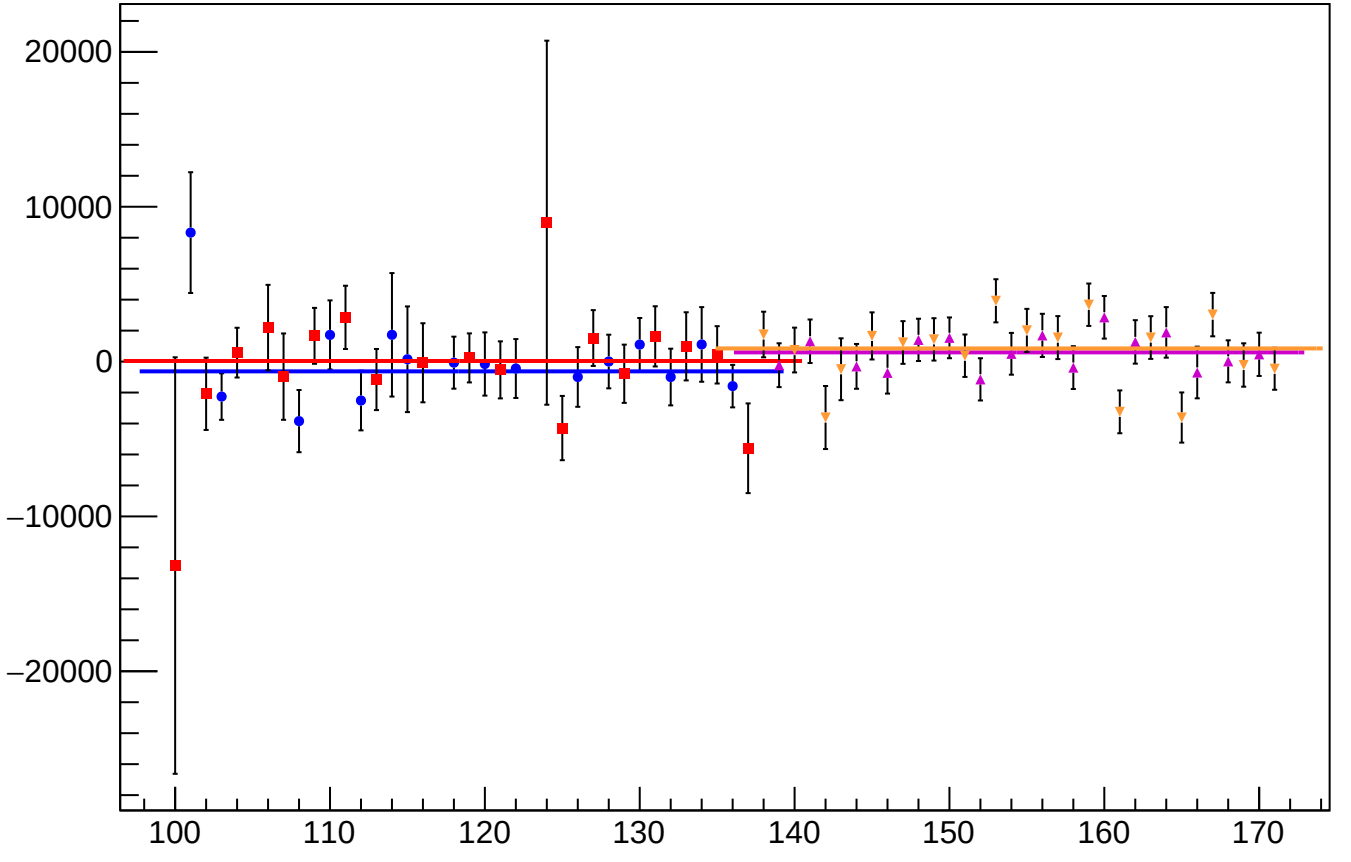
Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34

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: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

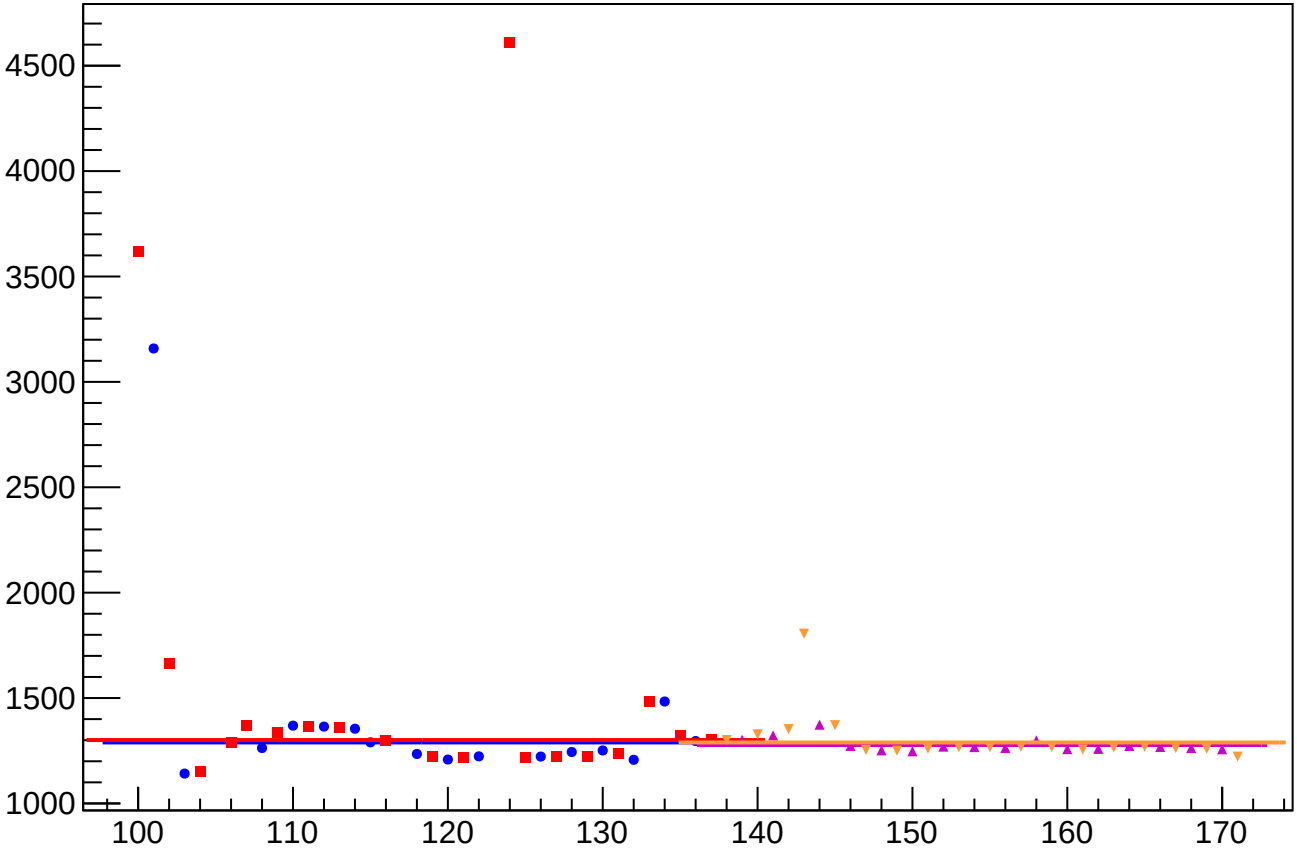
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

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: 1289.208+/-0.242 χ^2/NDF:157144.8/17

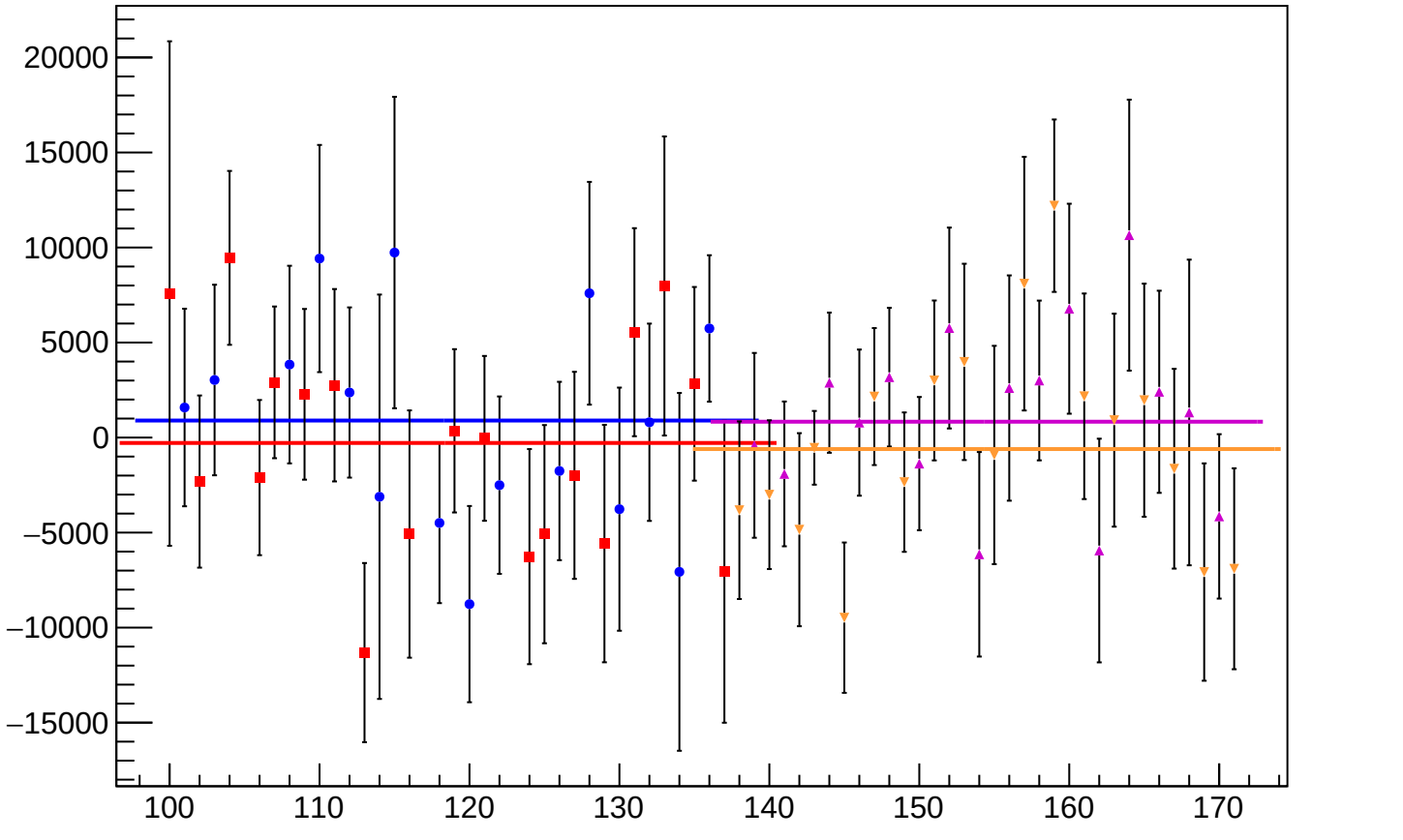
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

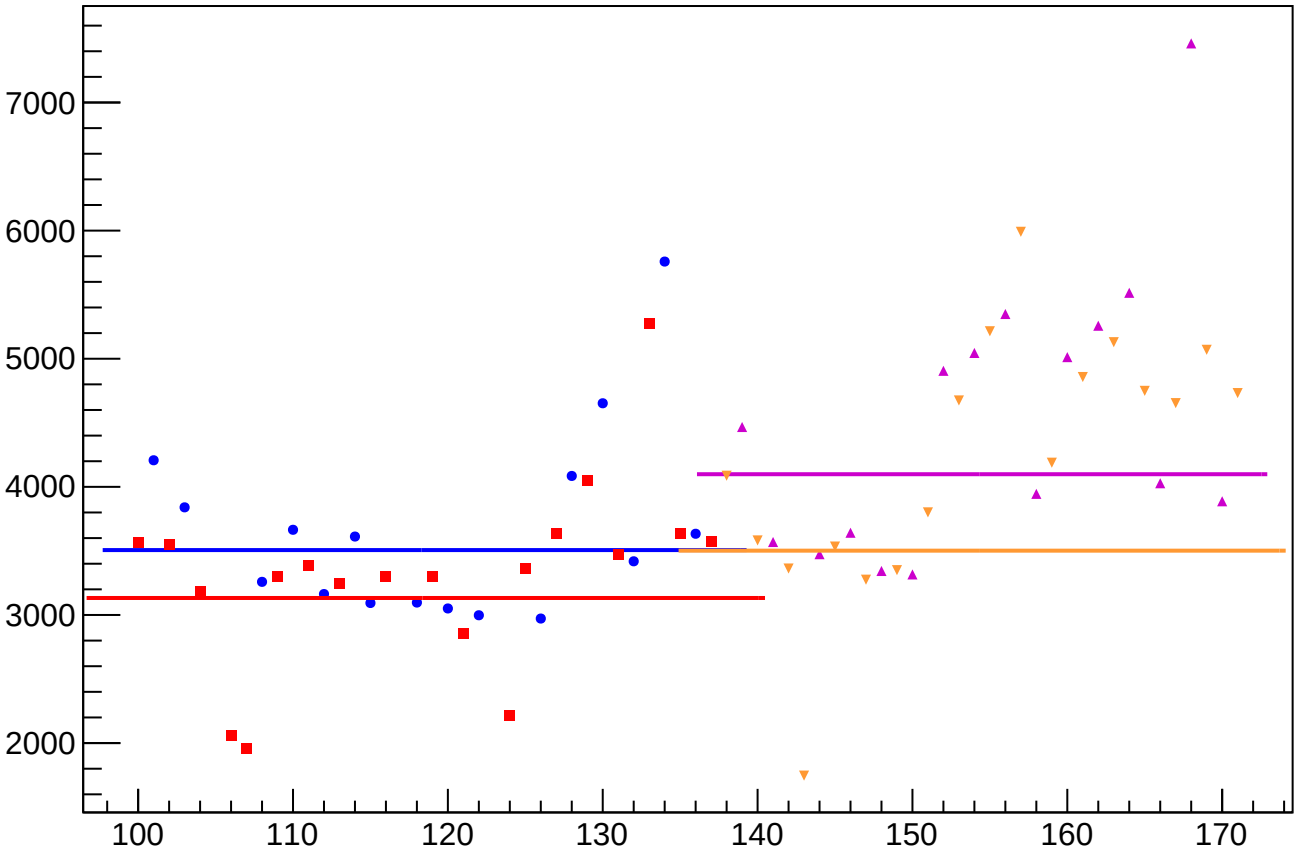
Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -605.046+/-989.464 χ²/NDF:21.8/17
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 834.195+/-1154.849 χ²/NDF:10.4/15
+ sign -67.557+/-792.763 χ²/NDF: 36.8/33
All: 103.147+/-572.101 χ²/NDF: 66.3/68
- sign 288.659+/-826.433 χ²/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

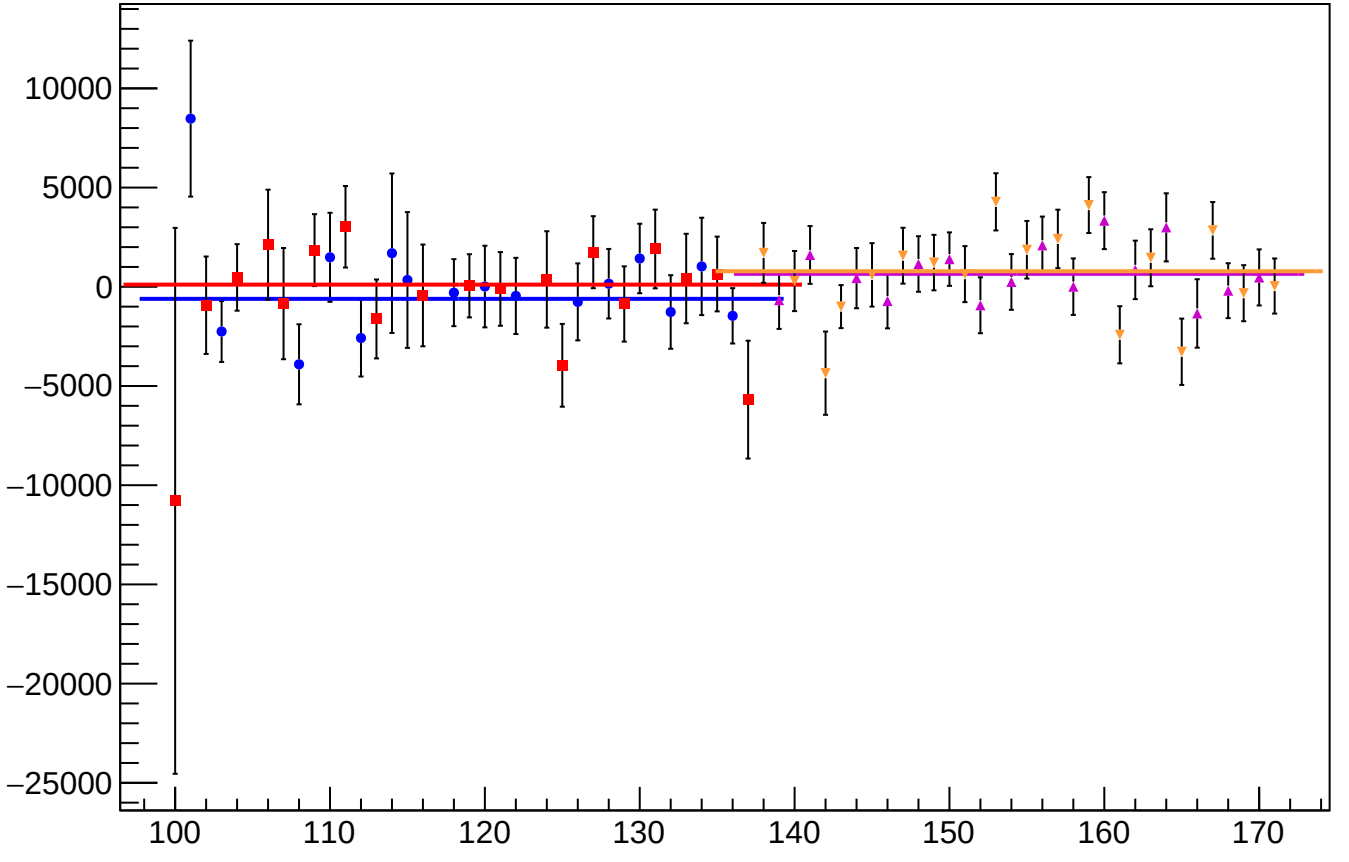
Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

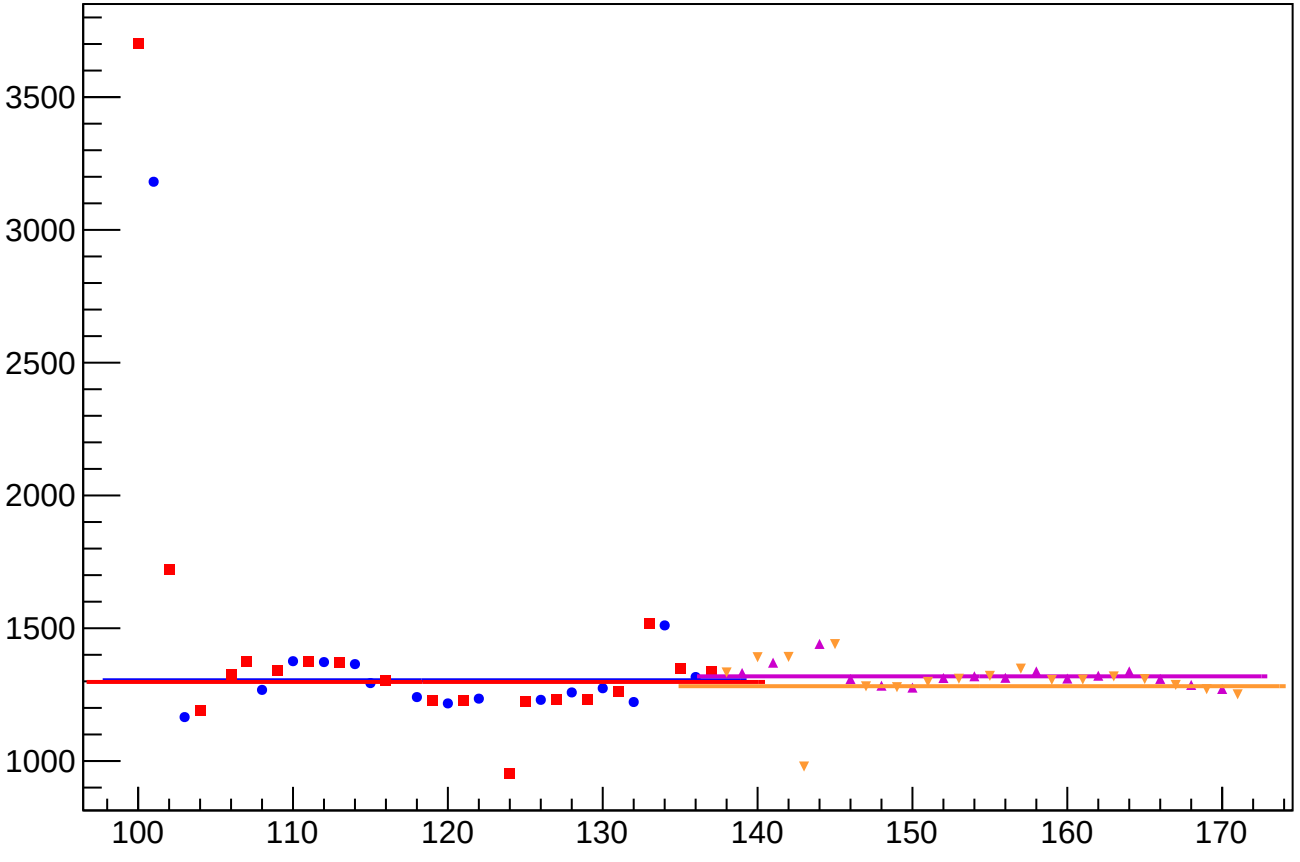
Left In: 653.590+/-362.908 χ^2/NDF:12.3/15

+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.842+/-201.849 χ^2/NDF: 84.5/68

- sign 458.266+/-290.687 χ^2/NDF: 28.0/34

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

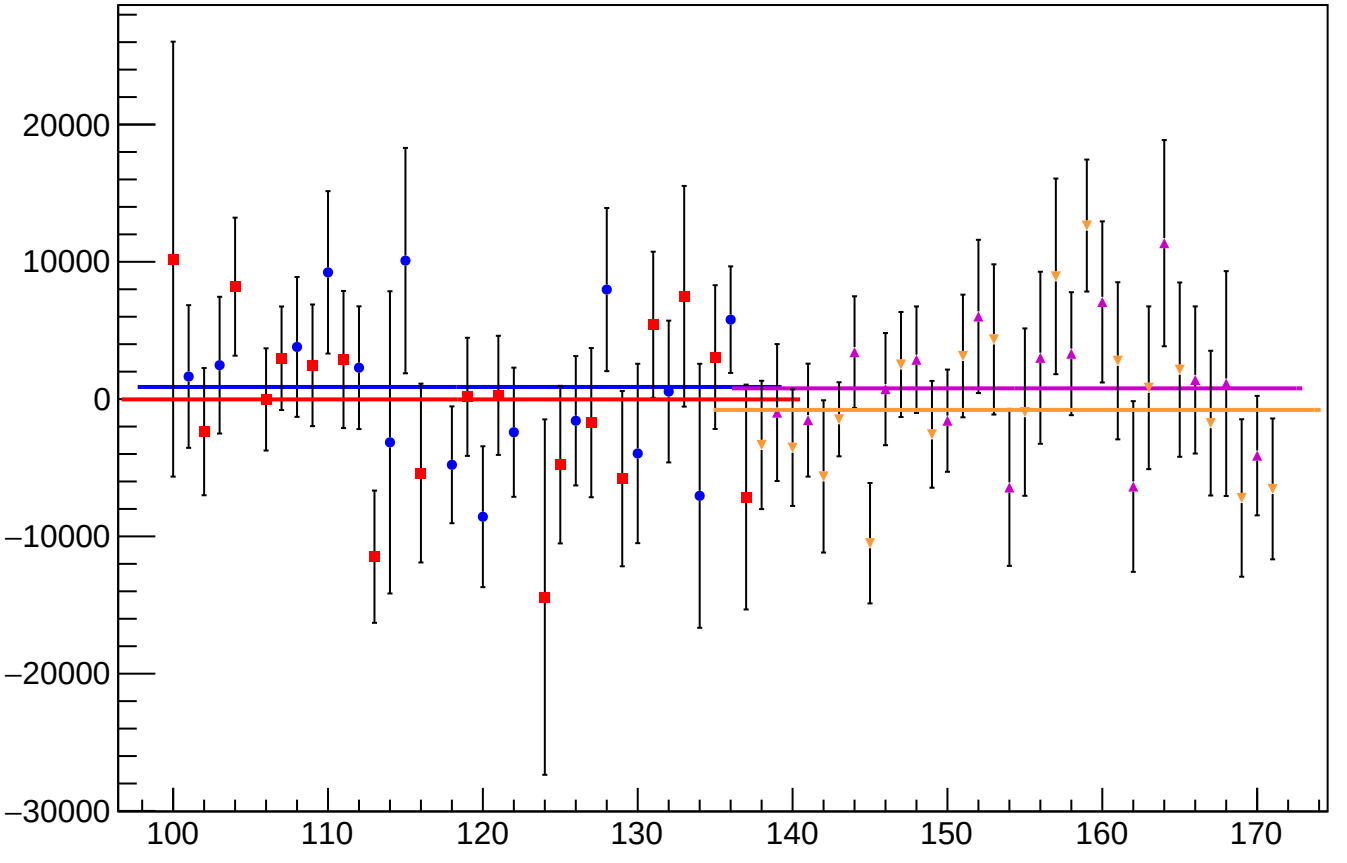
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717631.8/33

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68

- sign 1311.333+/-0.205 χ^2/NDF: 238555.8/34



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -787.990+/-1104.859 χ^2/NDF:21.9/17

Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

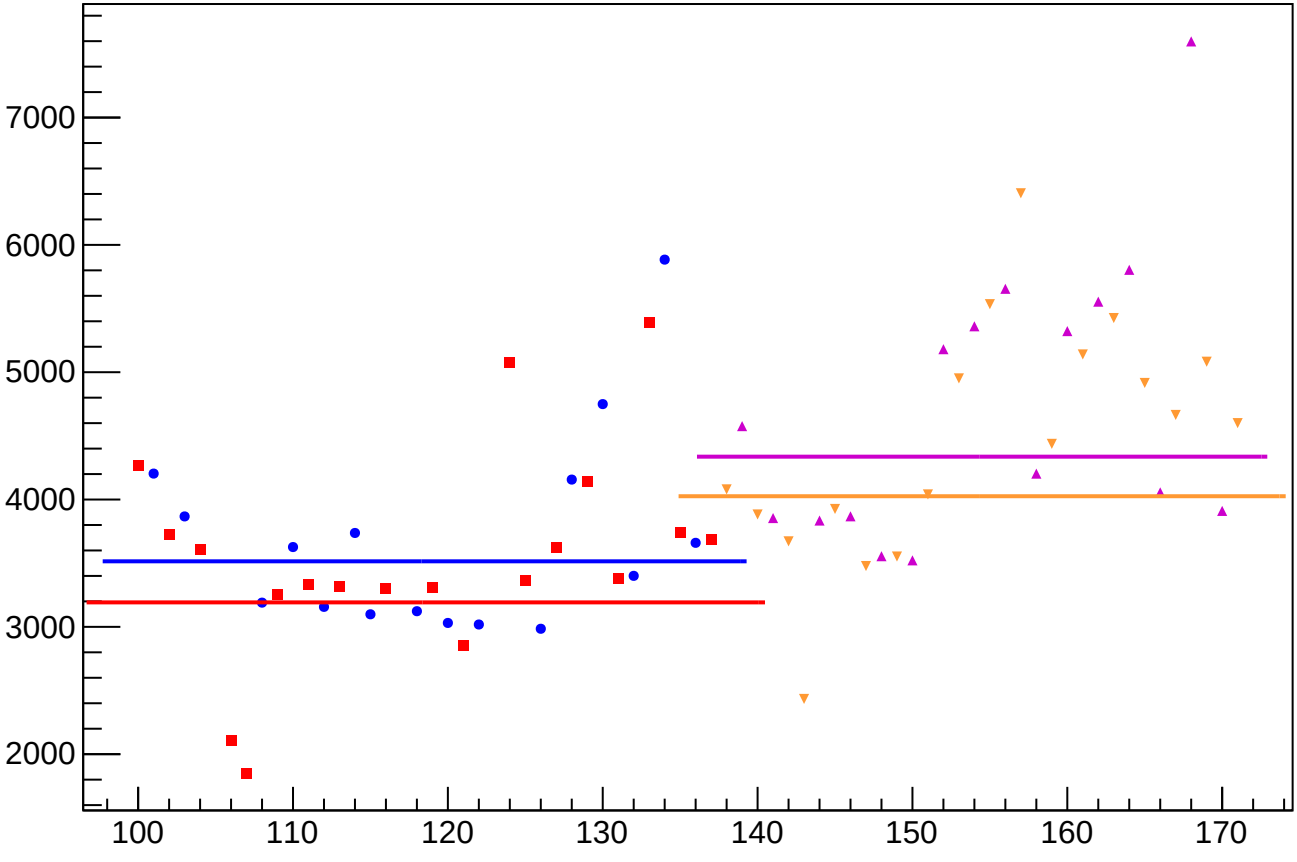
Left In: 782.966+/-1220.471 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

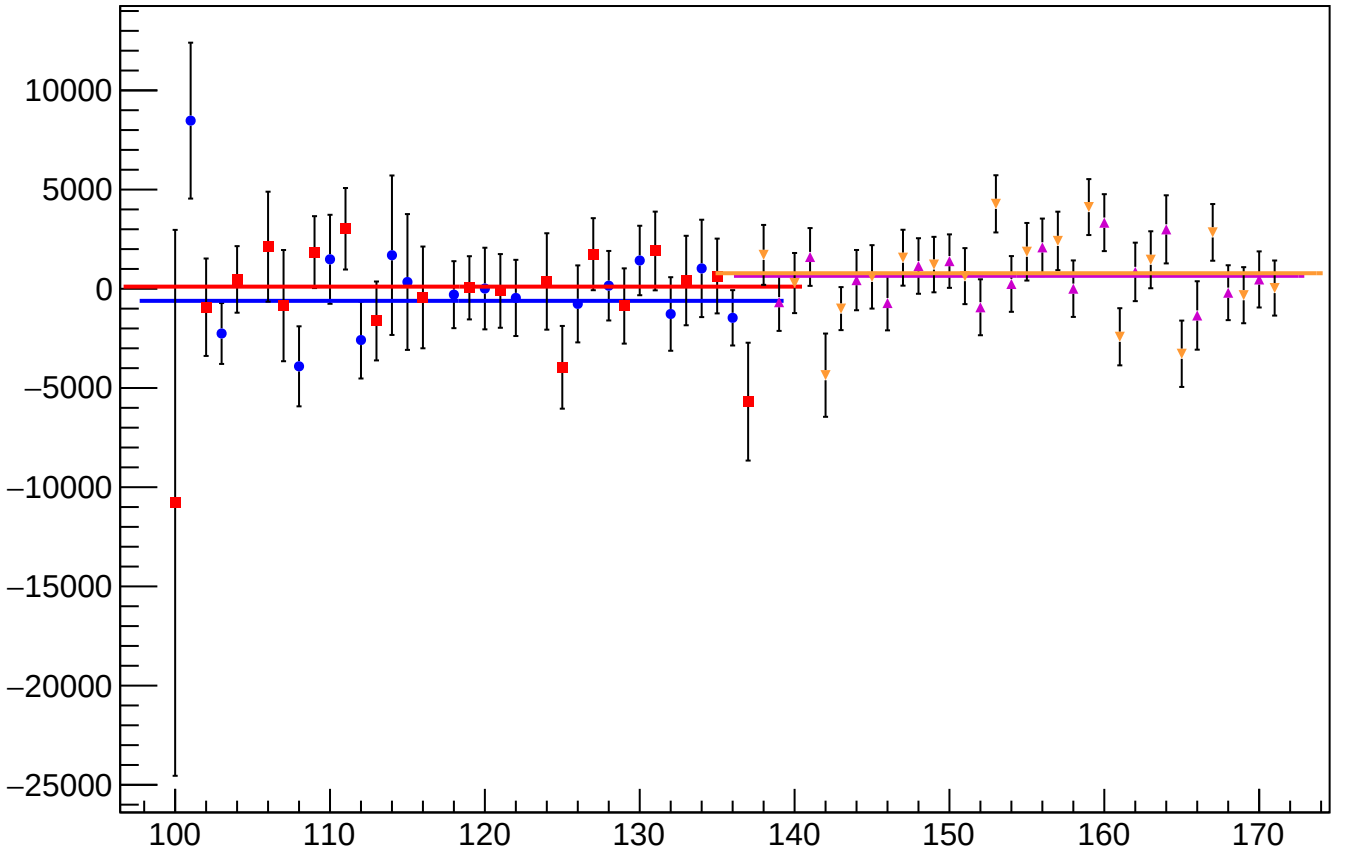
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

+ sign 3816.710+/-0.600 χ^2/NDF: 2095444.4/33

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68

- sign 3754.775+/-0.605 χ^2/NDF: 2683878.8/34



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

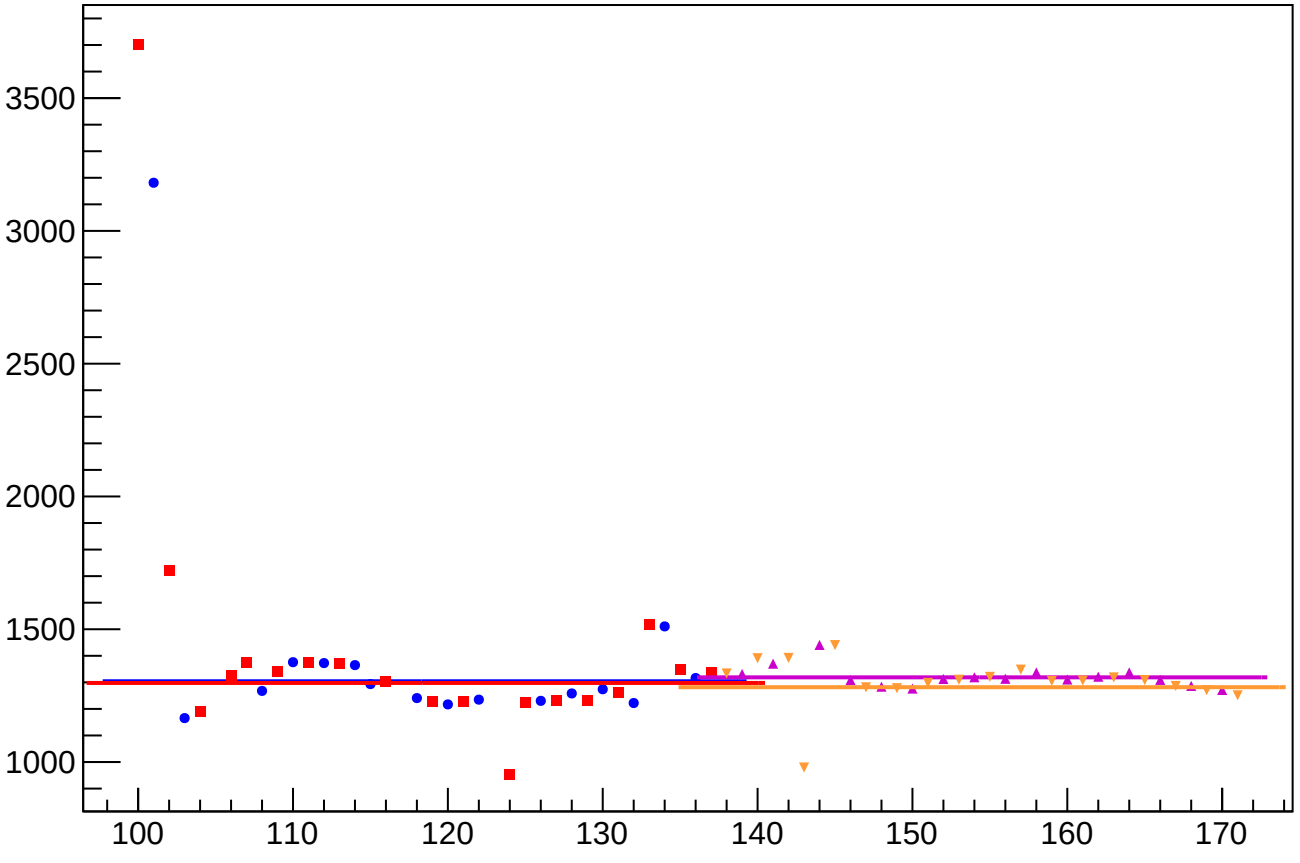
Left In: 653.591+/-362.908 χ^2/NDF:12.3/15

\+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.843+/-201.849 χ^2/NDF: 84.5/68

\- sign 458.268+/-290.687 χ^2/NDF: 28.0/34

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: 1281.782+/-0.241 χ^2/NDF:204277.7/17

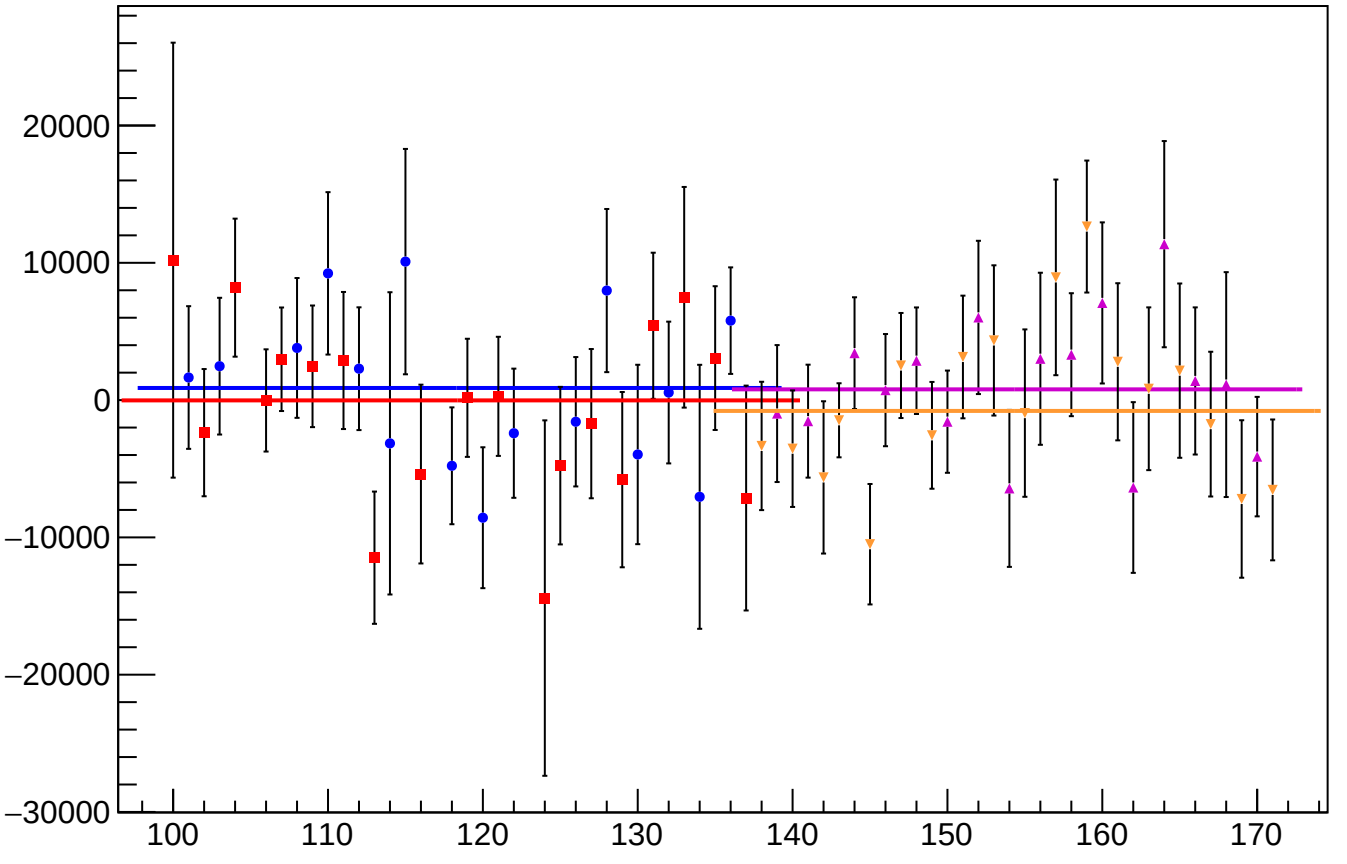
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1318.908+/-0.257 χ^2/NDF:23031.2/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717632.7/33

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68

- sign 1311.334+/-0.205 χ^2/NDF: 238556.4/34



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -787.988+/-1104.861 χ^2/NDF:21.9/17

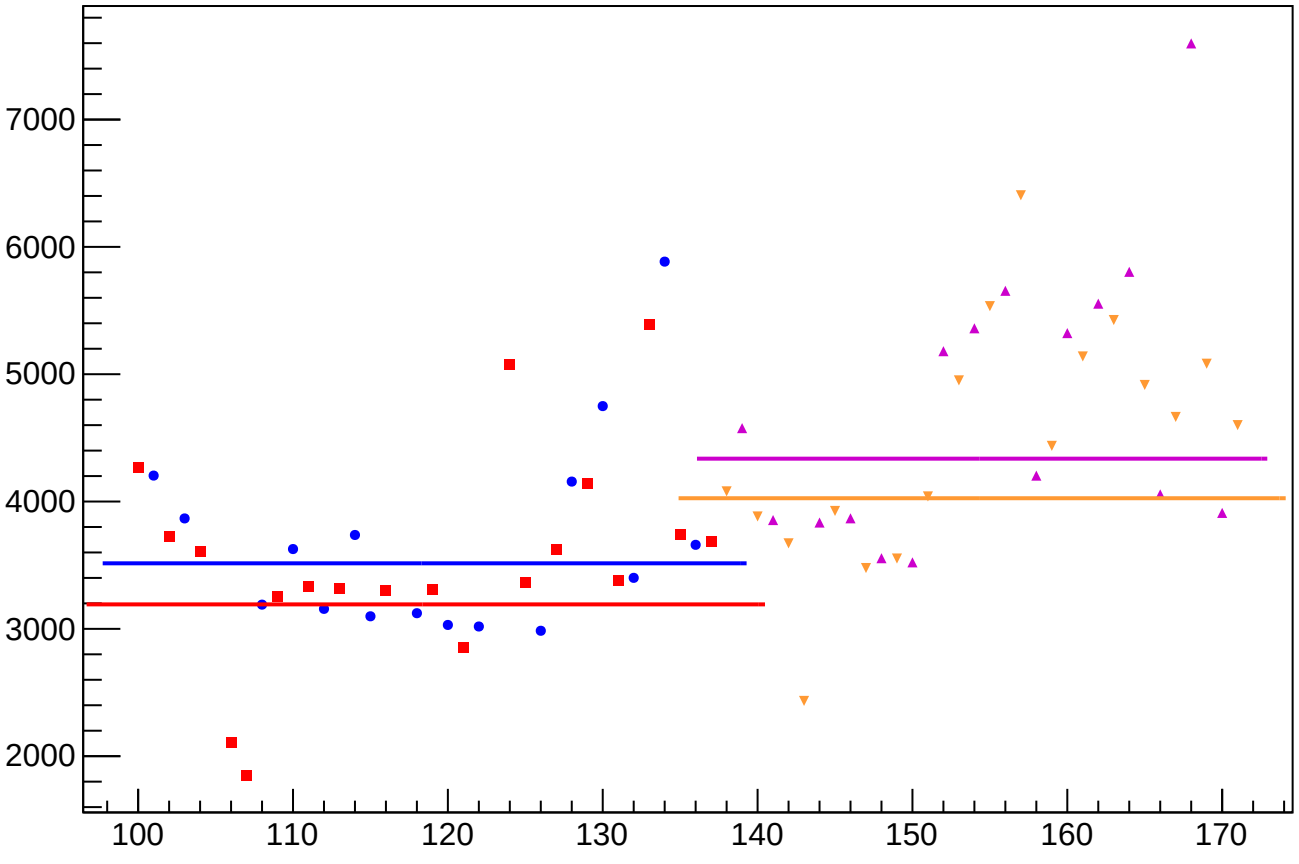
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 782.965+/-1220.473 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

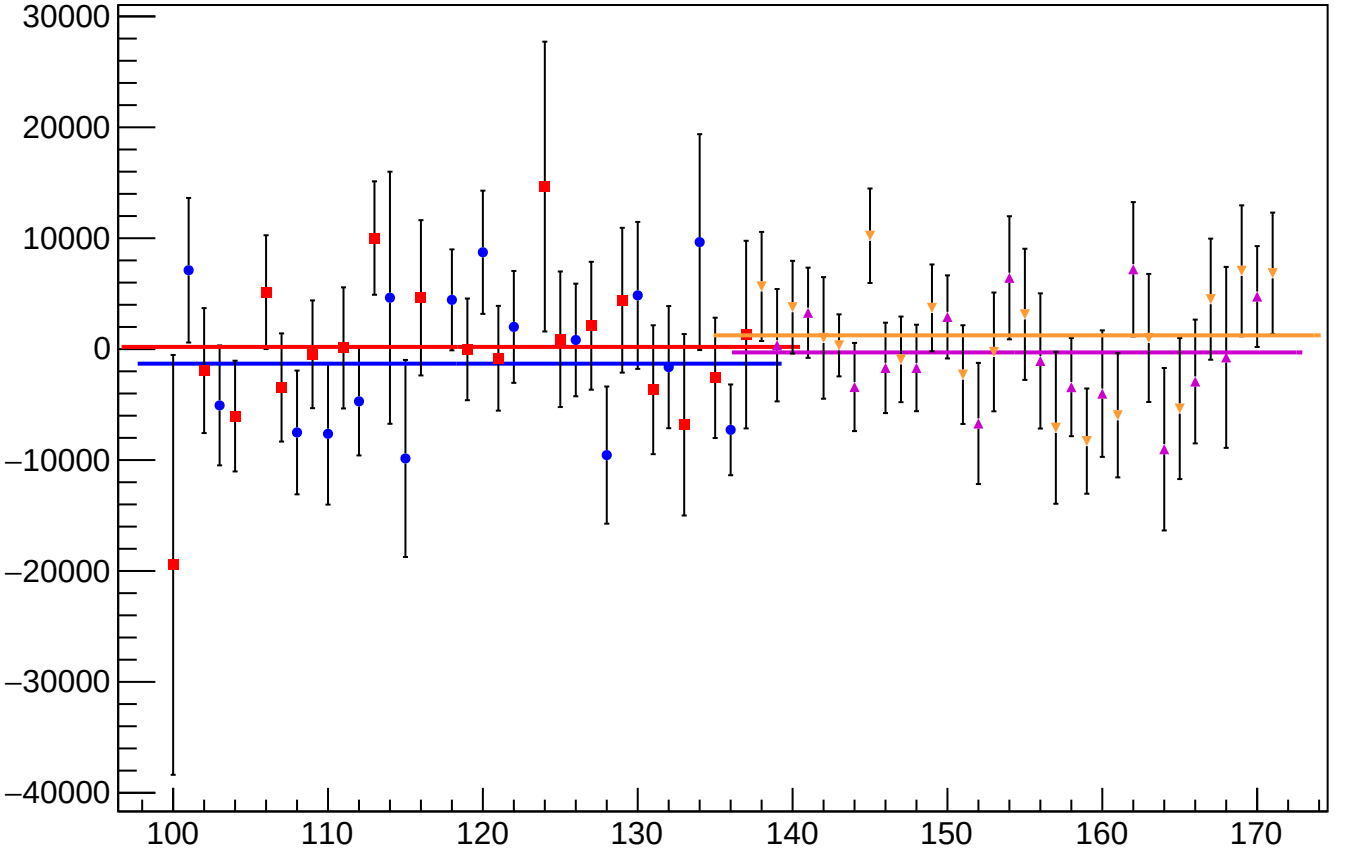
Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

+ sign 3816.709+/-0.600 χ^2/NDF: 2095460.5/33

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68

- sign 3754.771+/-0.605 χ^2/NDF: 2683905.5/34

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

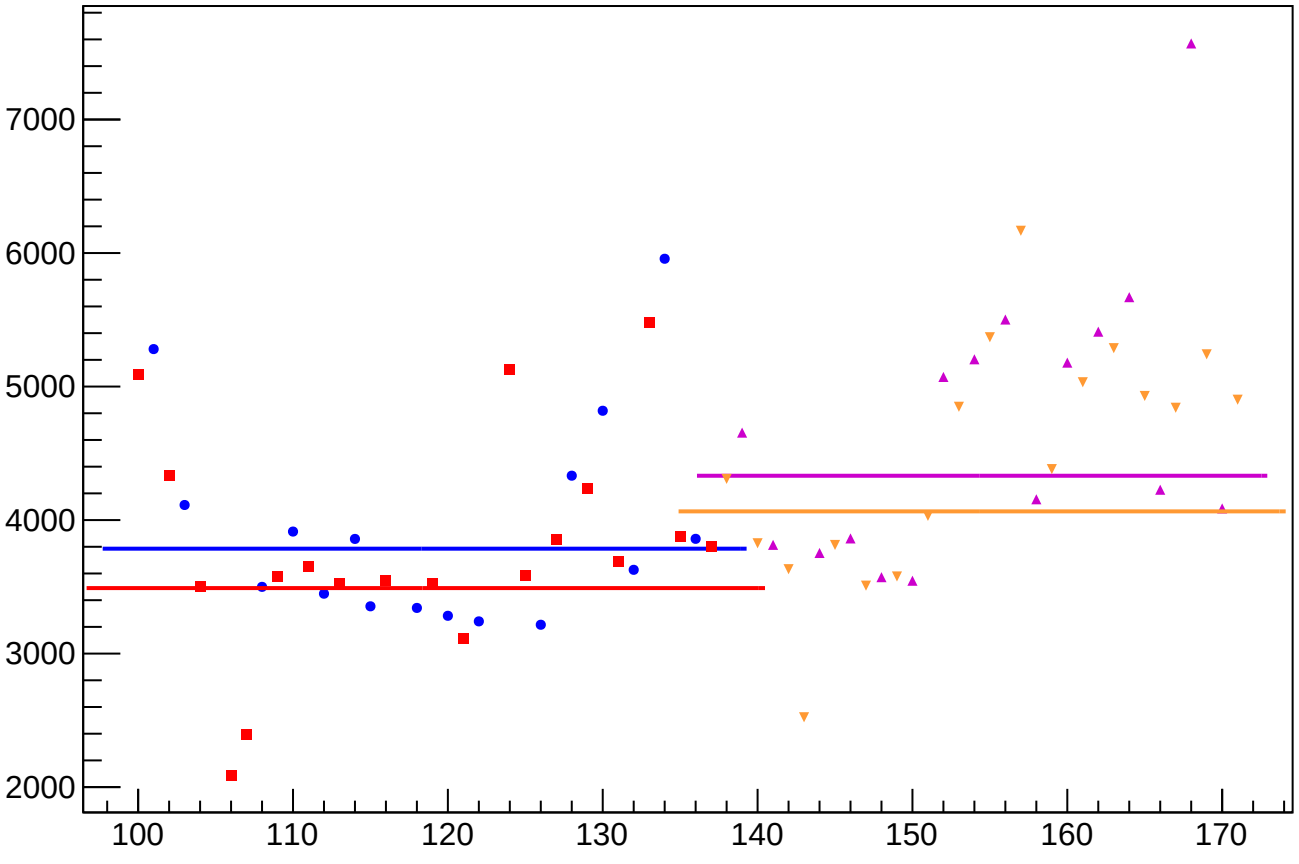
Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -295.262+/-1216.245 χ^2/NDF:10.6/15

+ sign 283.601+/-877.958 χ^2/NDF: 37.4/33

All: 111.013+/-628.253 χ^2/NDF: 59.8/68

- sign -70.108+/-899.398 χ^2/NDF: 22.3/34



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

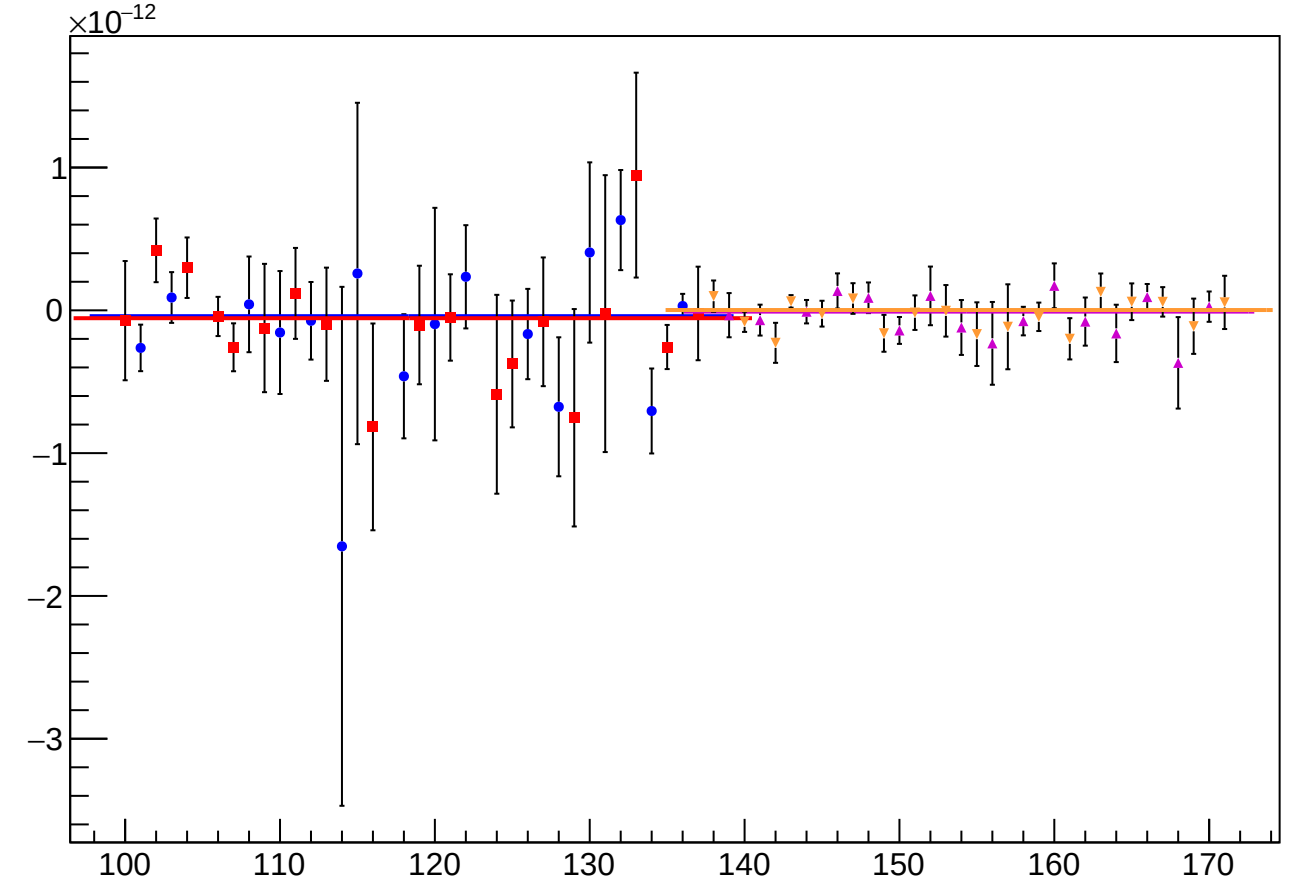
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

+ sign 3960.082+/-0.621 χ^2/NDF: 1832961.4/33

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68

- sign 3944.988+/-0.632 χ^2/NDF: 1959234.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/17

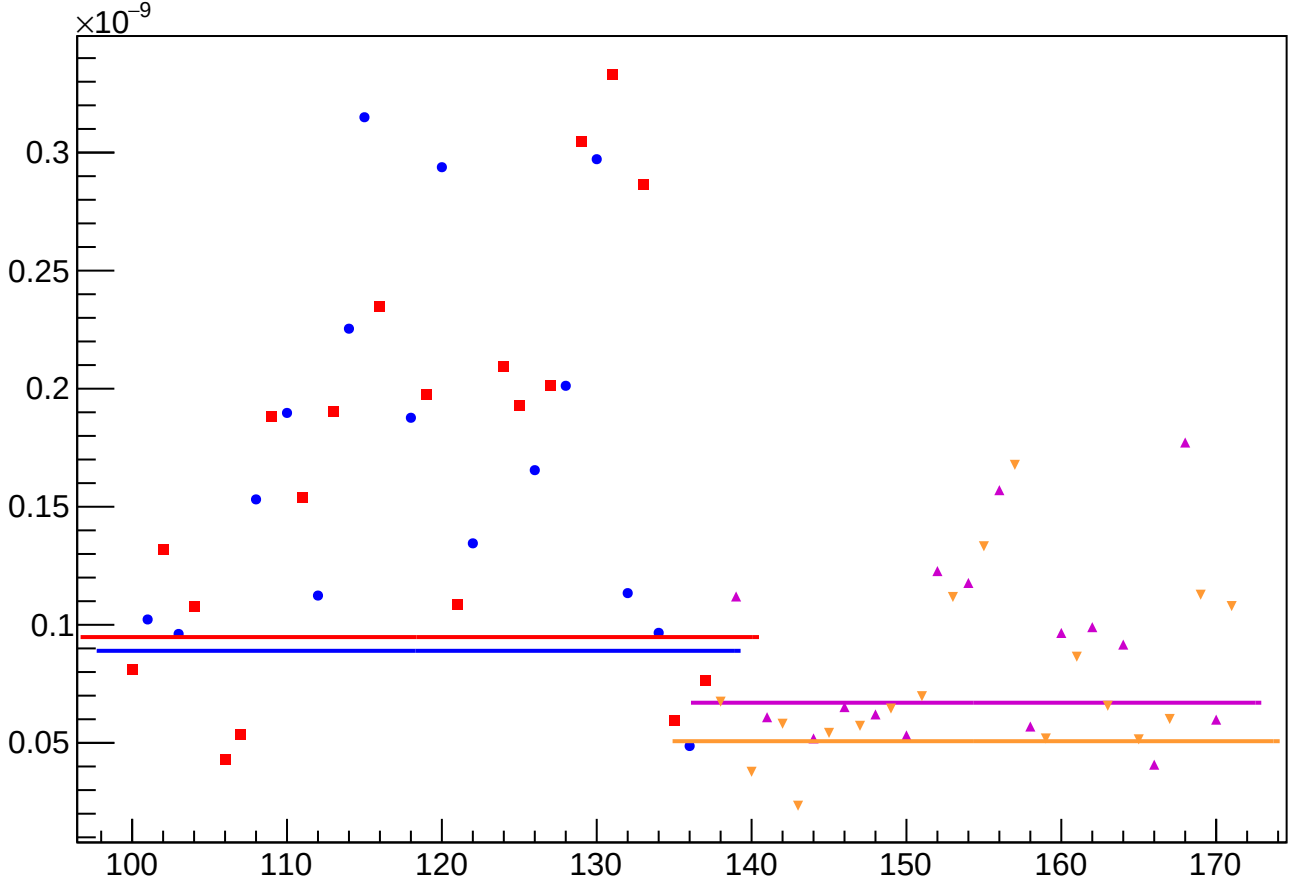
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/33

All: -0.000+/-0.000 χ^2/NDF: 58.2/68

- sign -0.000+/-0.000 χ^2/NDF: 27.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

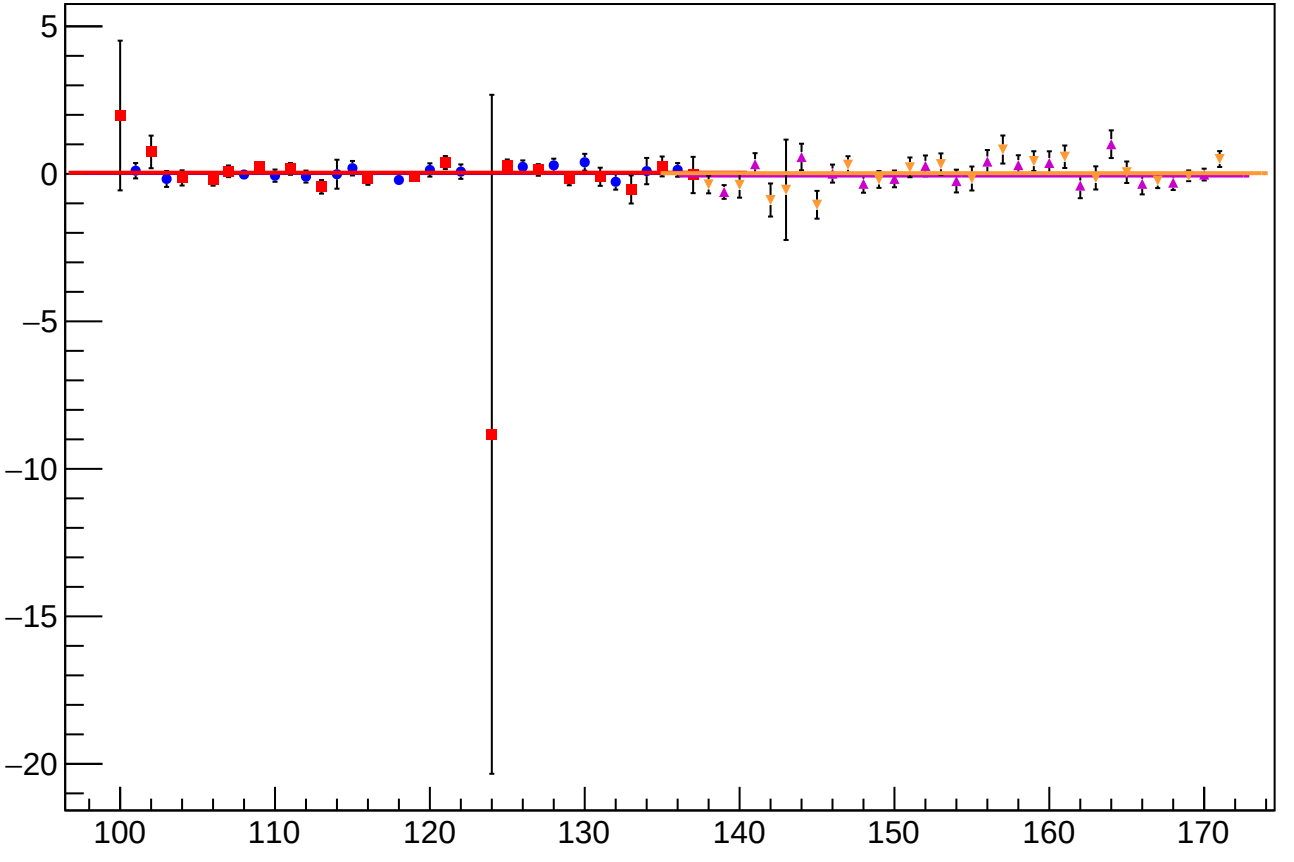
Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF: 8337906.2/68

- sign 0.000+/-0.000 χ^2/NDF: 3414108.5/34

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: 0.023+/-0.078 χ^2/NDF:24.2/17

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

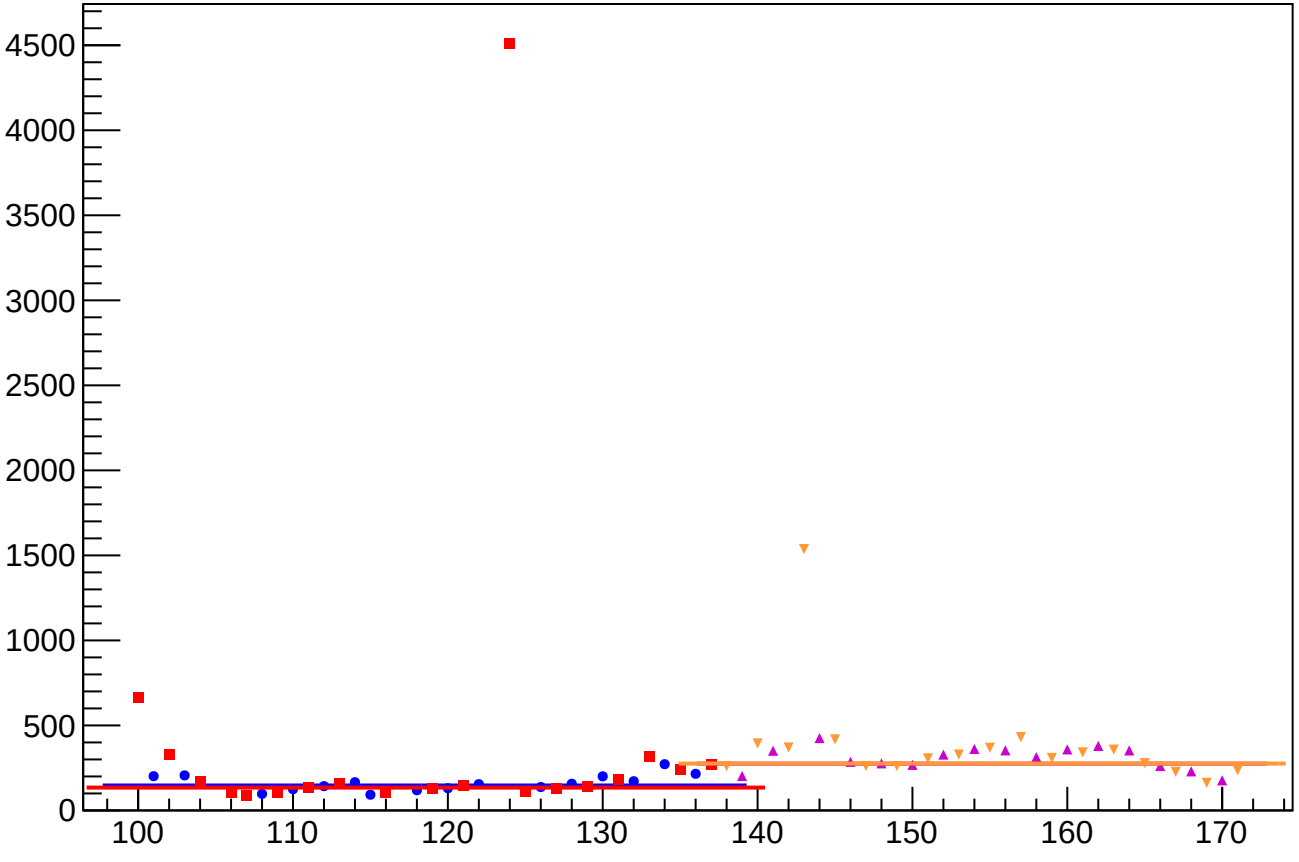
Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

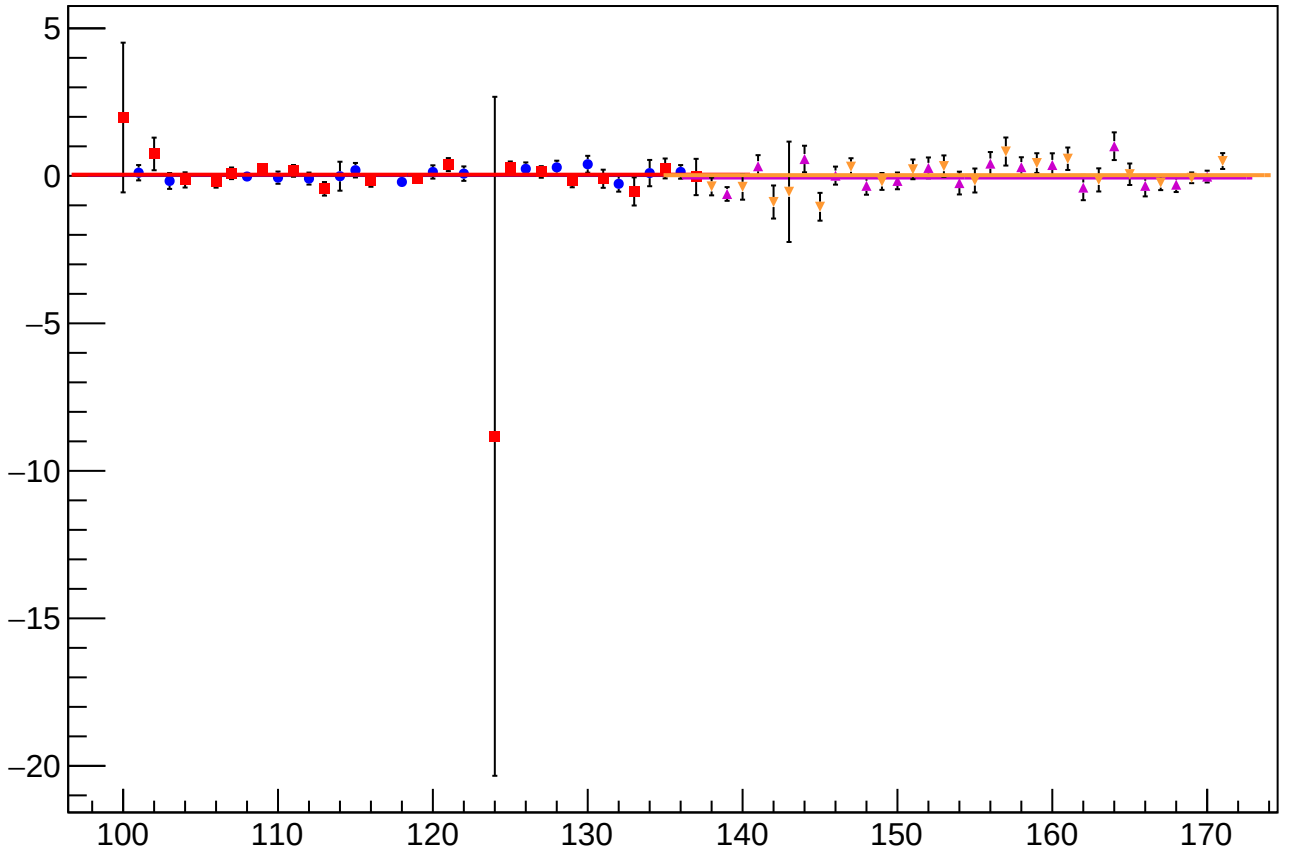
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

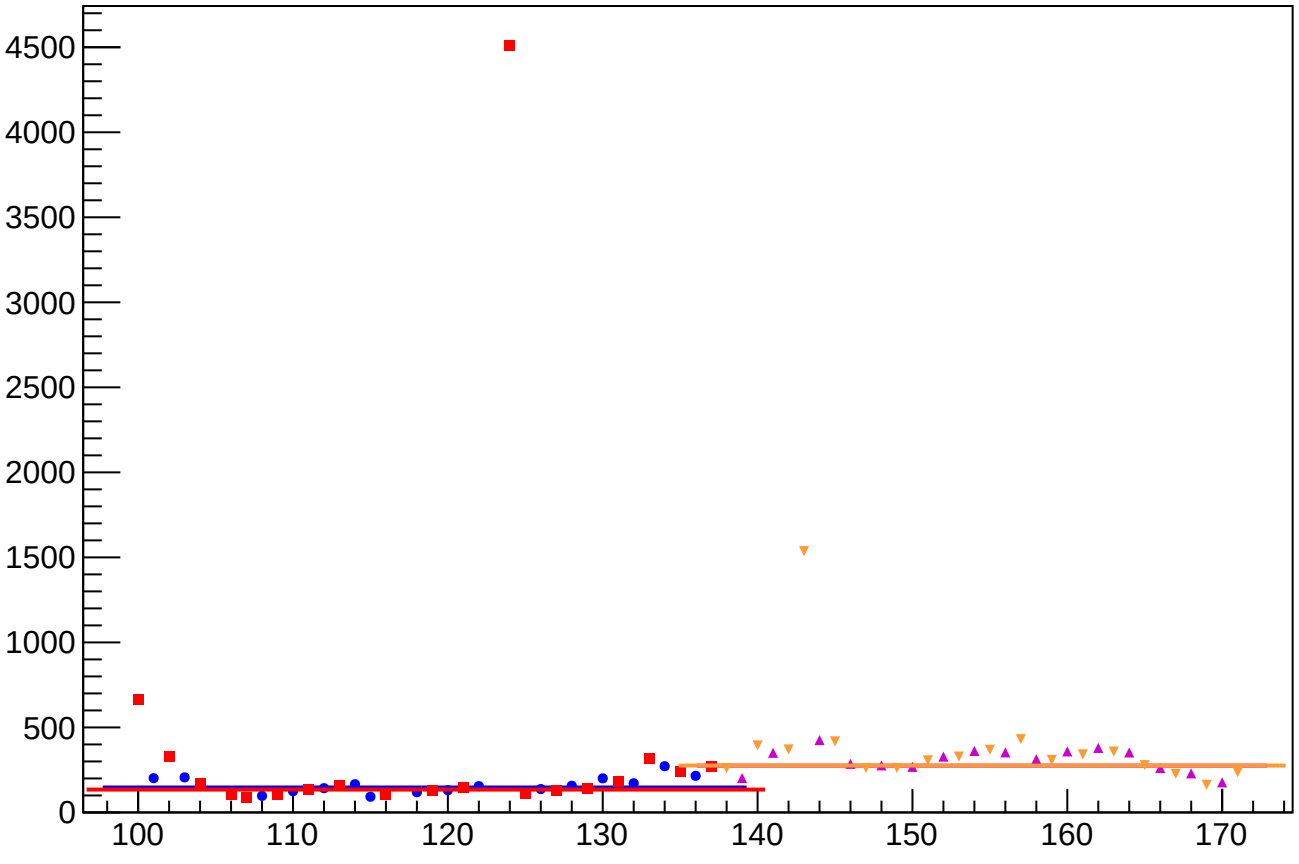
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF:2935721.4/17

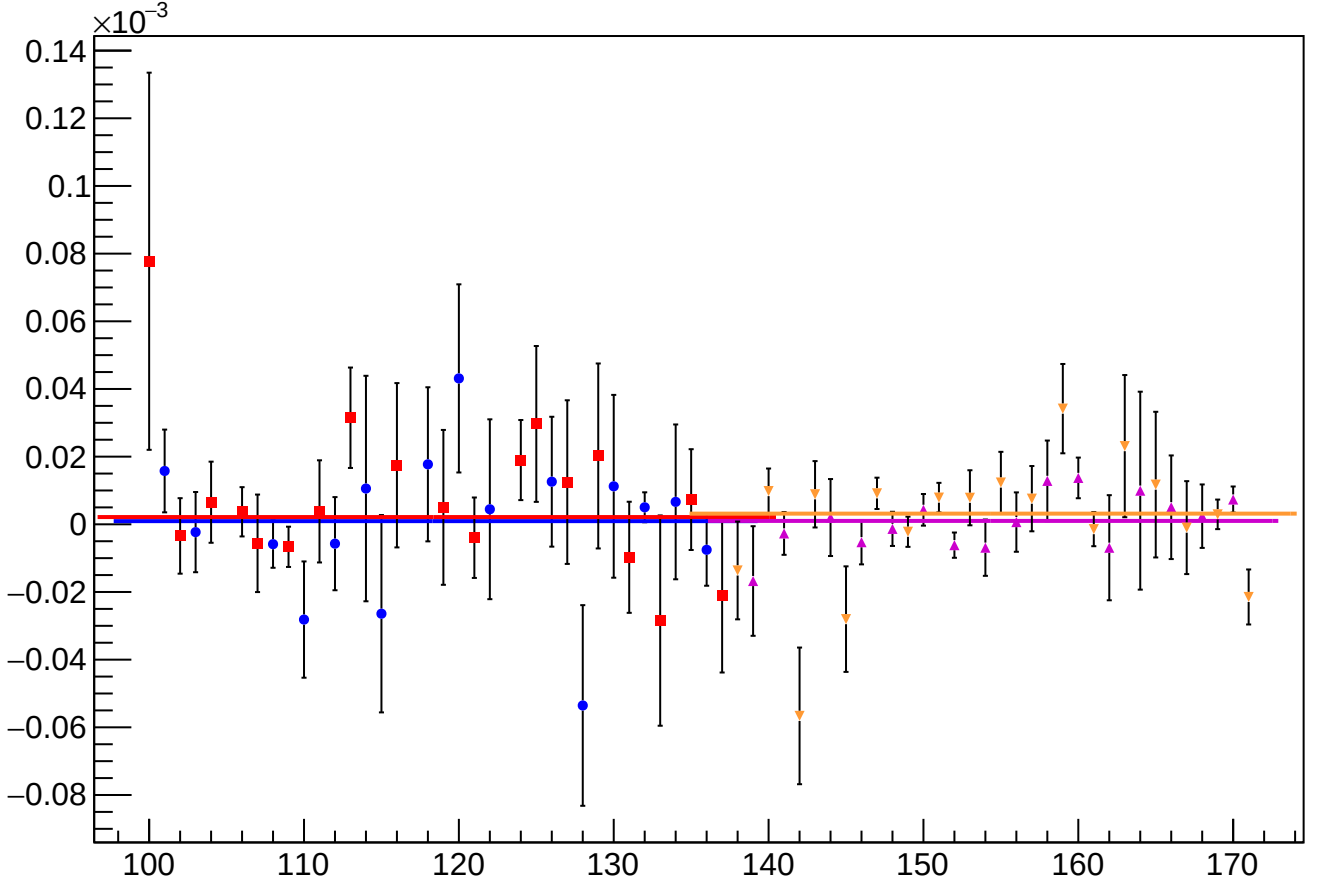
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/17

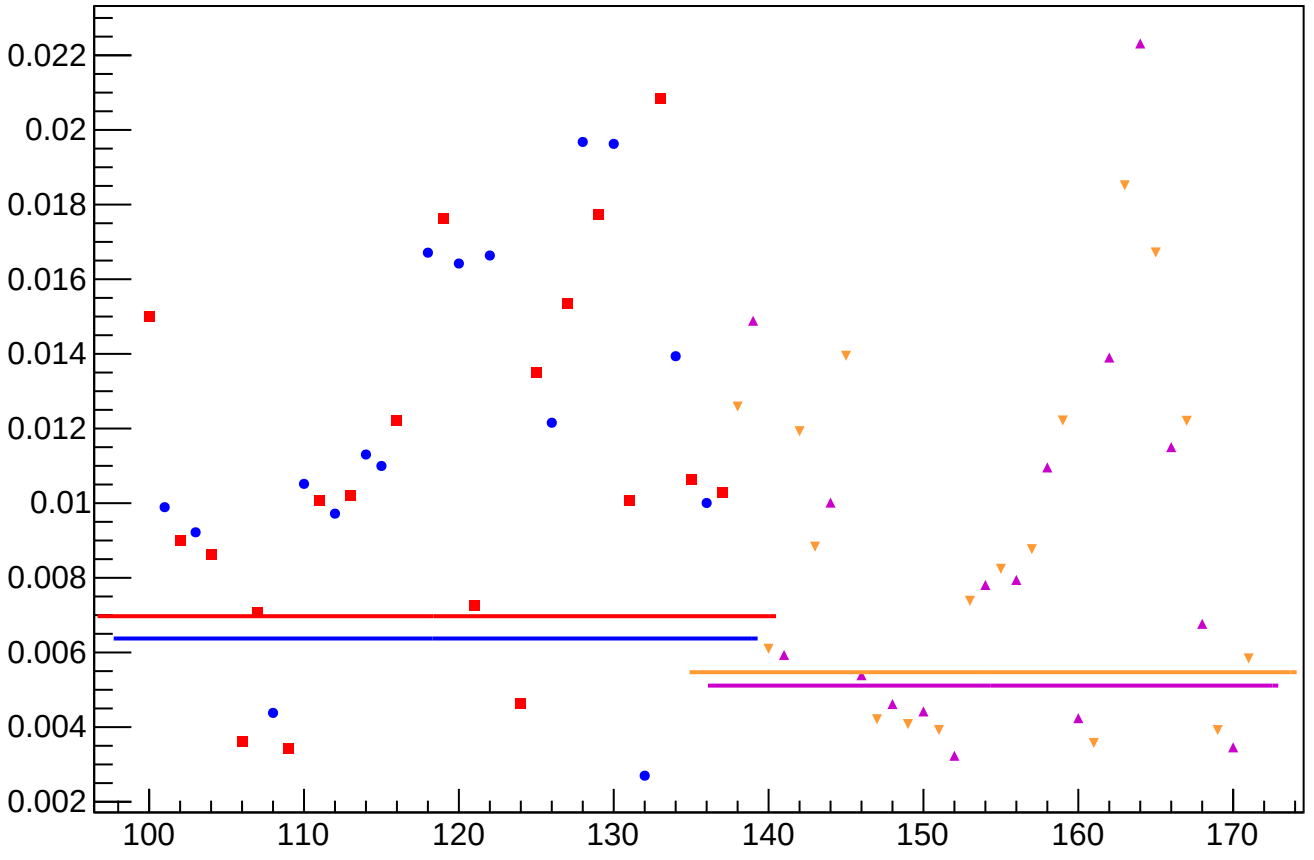
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/33

All: 0.000+/-0.000 χ^2/NDF: 86.2/68

- sign 0.000+/-0.000 χ^2/NDF: 32.5/34



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

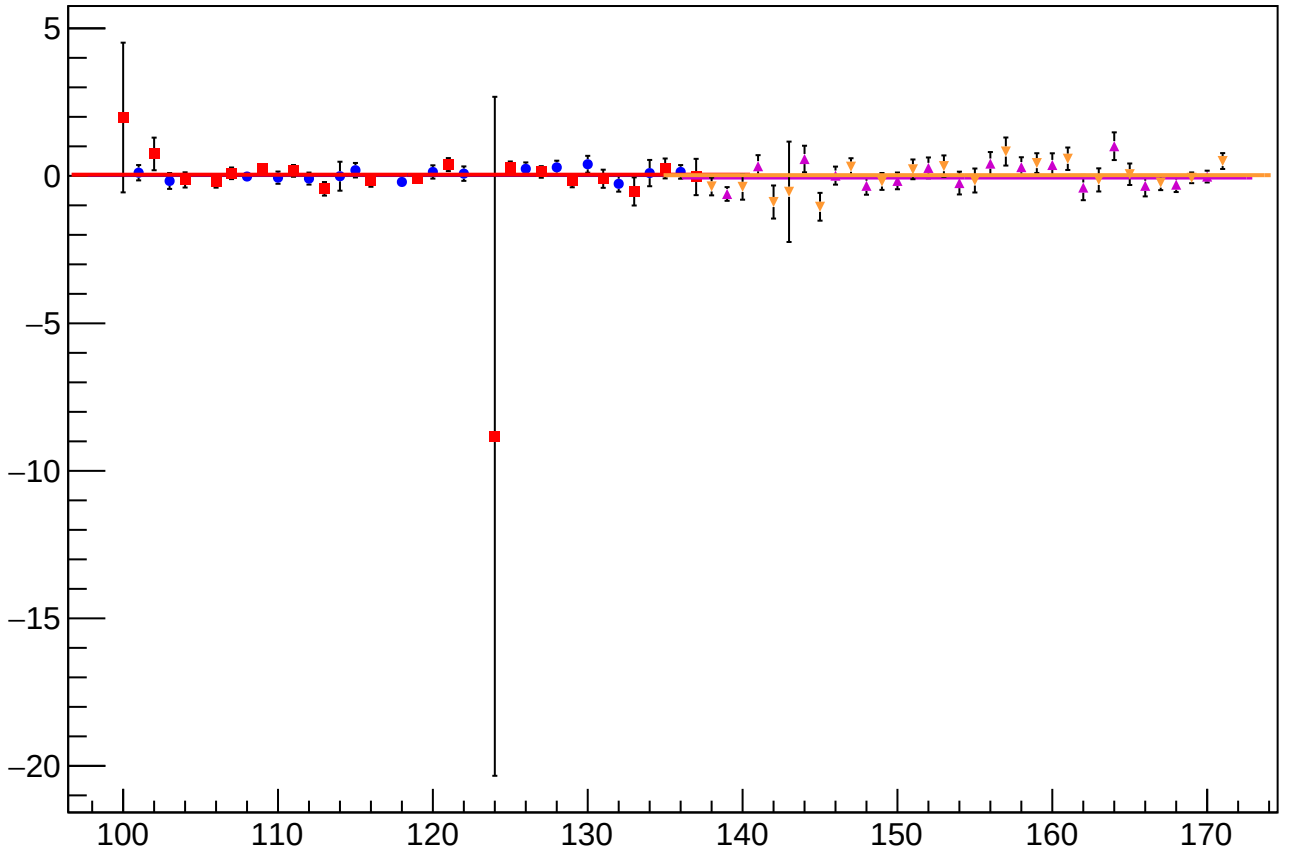
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

+ sign 0.006+/-0.000 χ^2/NDF: 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

- sign 0.006+/-0.000 χ^2/NDF: 8756586.9/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

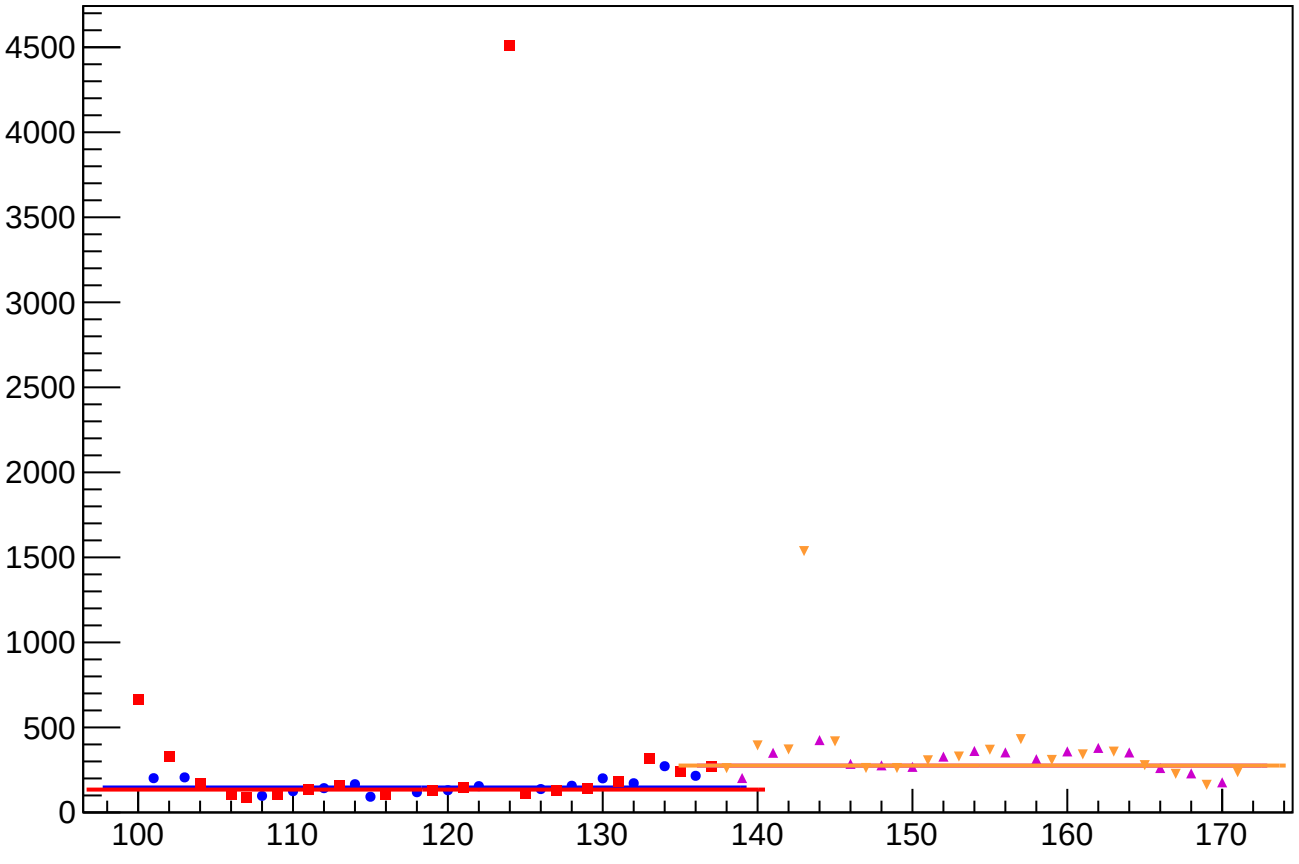
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF:2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

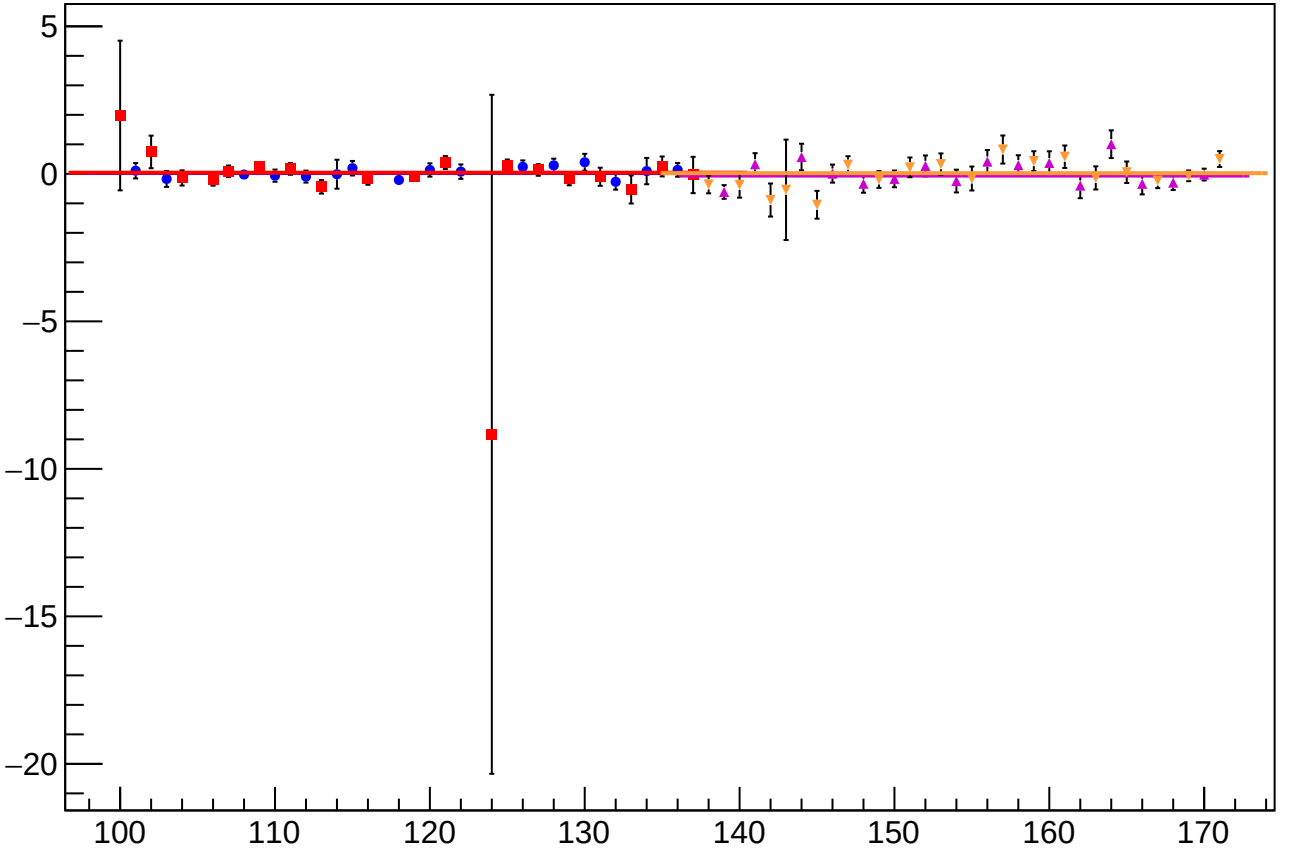
Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473290.6/33

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

- sign 180.126+/-0.032 χ^2/NDF: 7455416.9/34

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: 0.023+/-0.078 χ^2/NDF:24.2/17

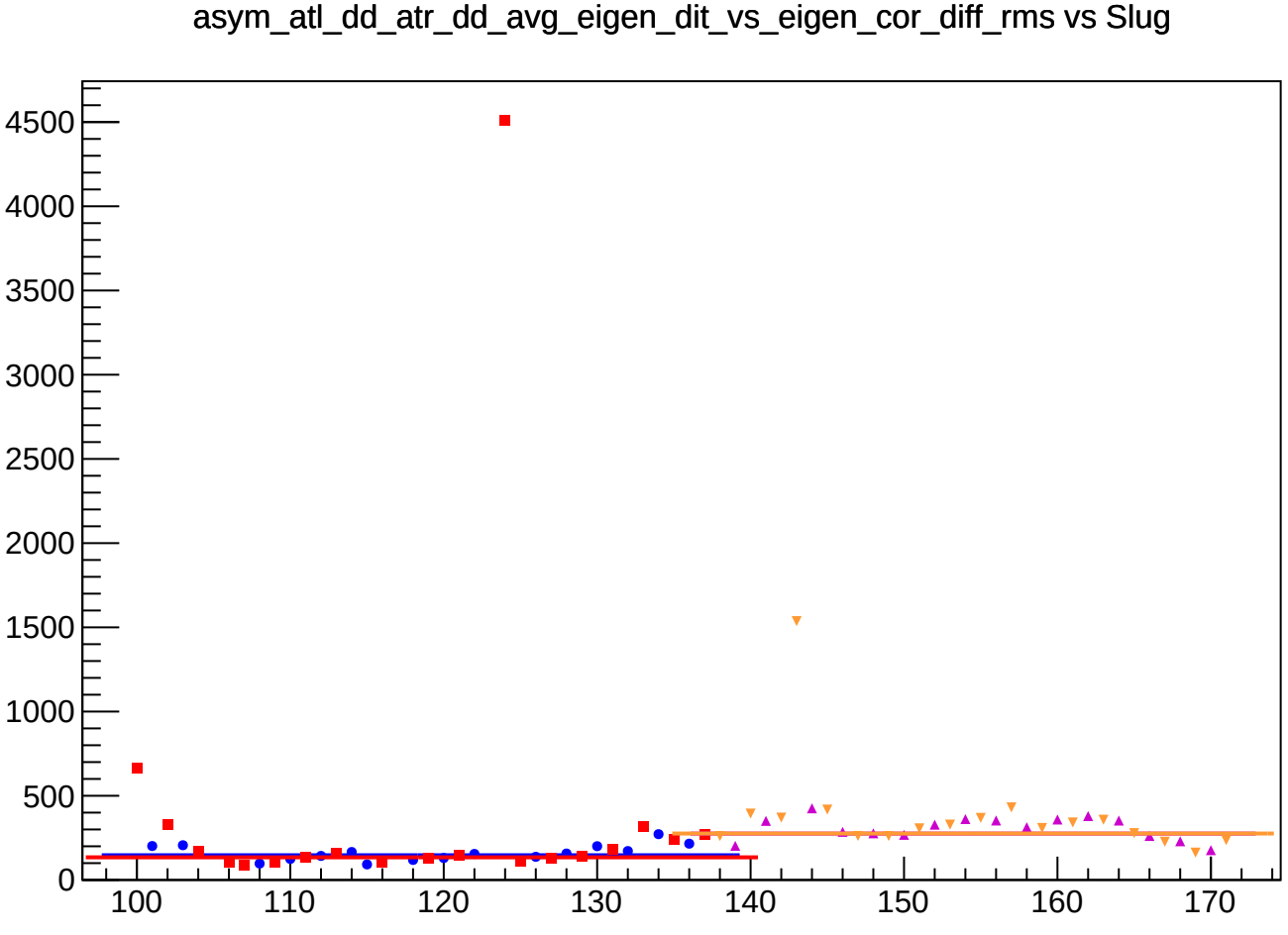
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

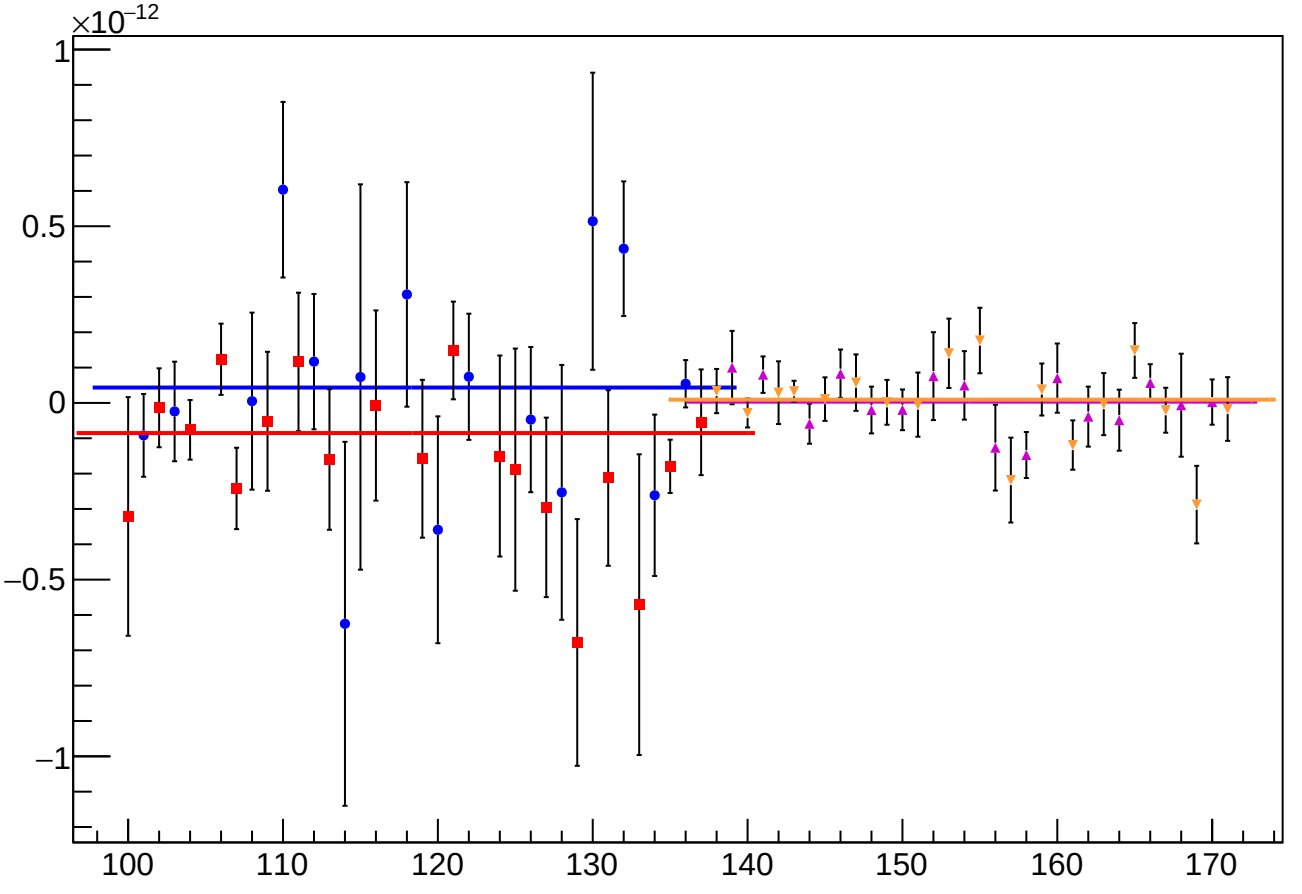
Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34


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
170
Right In: 146.829+/-0.041 χ²/NDF: 998646.8/15
Left Out: 275.808+/-0.055 χ²/NDF:2935825.9/17
Right Out: 134.506+/-0.039 χ²/NDF: 1606310.4/18
Left In: 275.317+/-0.056 χ²/NDF:1567670.2/15
+ sign 192.506+/-0.033 χ²/NDF: 7473290.6/33
All: 186.135+/-0.023 χ²/NDF: 15002051.9/68
- sign 180.126+/-0.032 χ²/NDF: 7455416.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

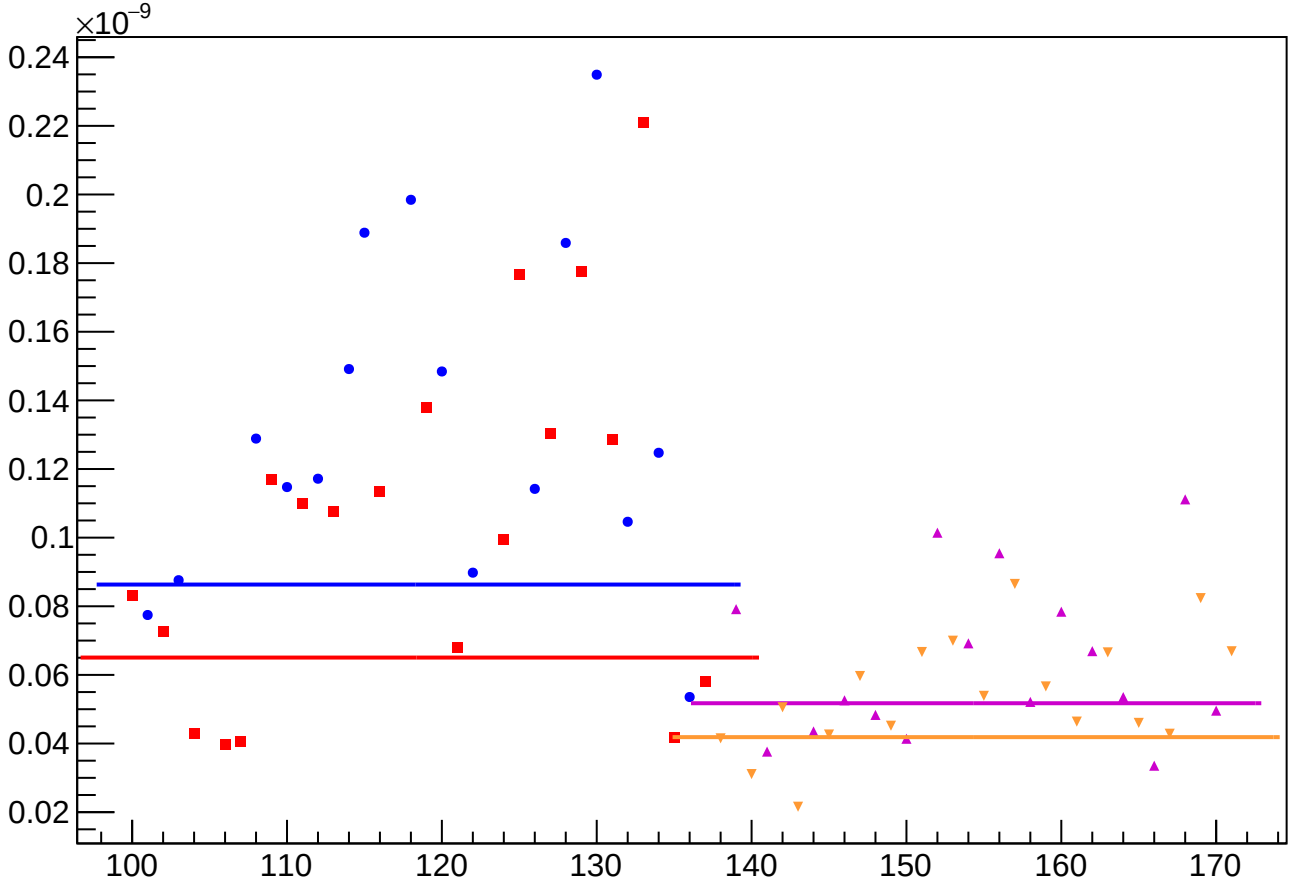
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/33

All: 0.000+/-0.000 χ^2/NDF: 85.1/68

- sign -0.000+/-0.000 χ^2/NDF: 38.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

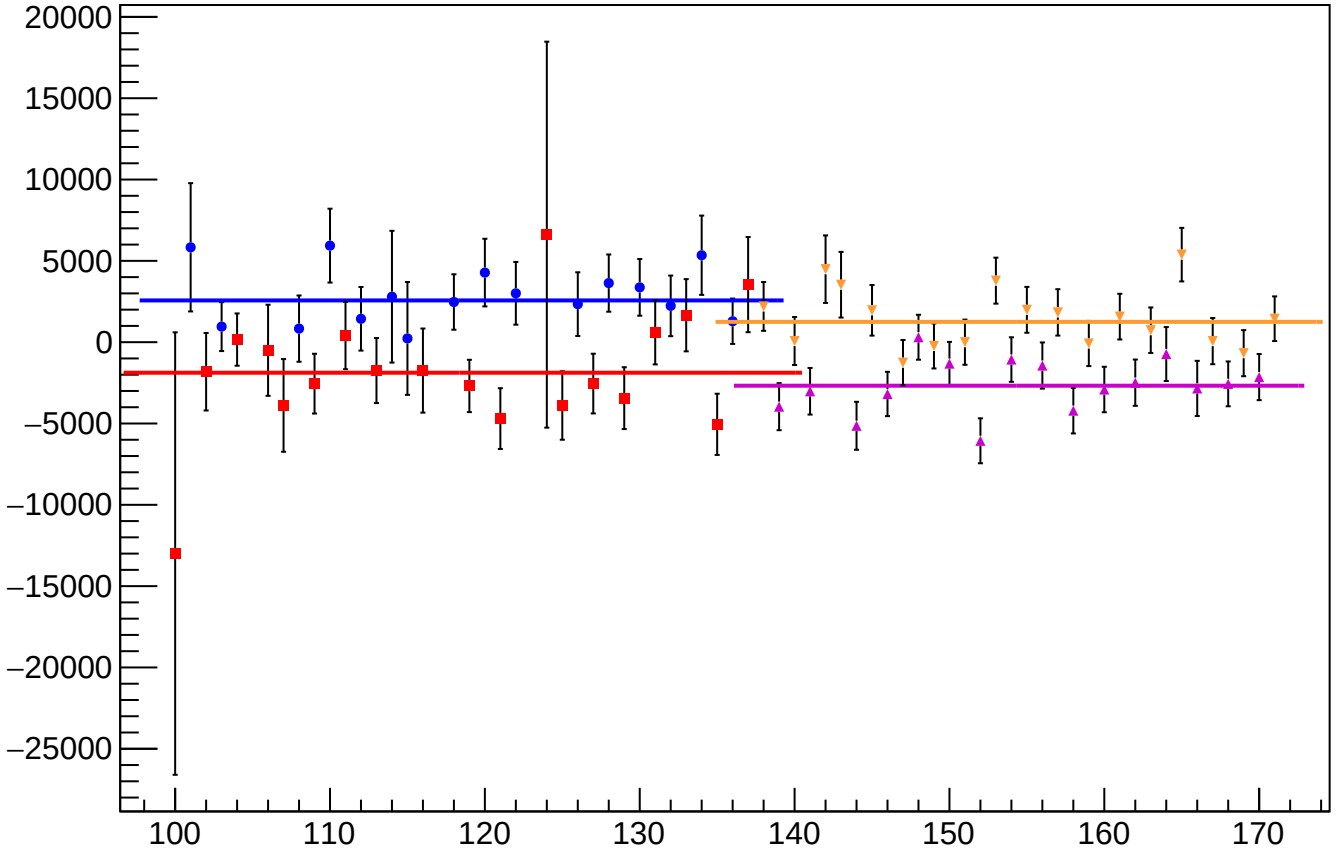
Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4224126.8/34

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1249.180+/-347.676 χ^2/NDF:23.8/17

Right Out: -1878.030+/-494.719 χ^2/NDF: 19.5/18

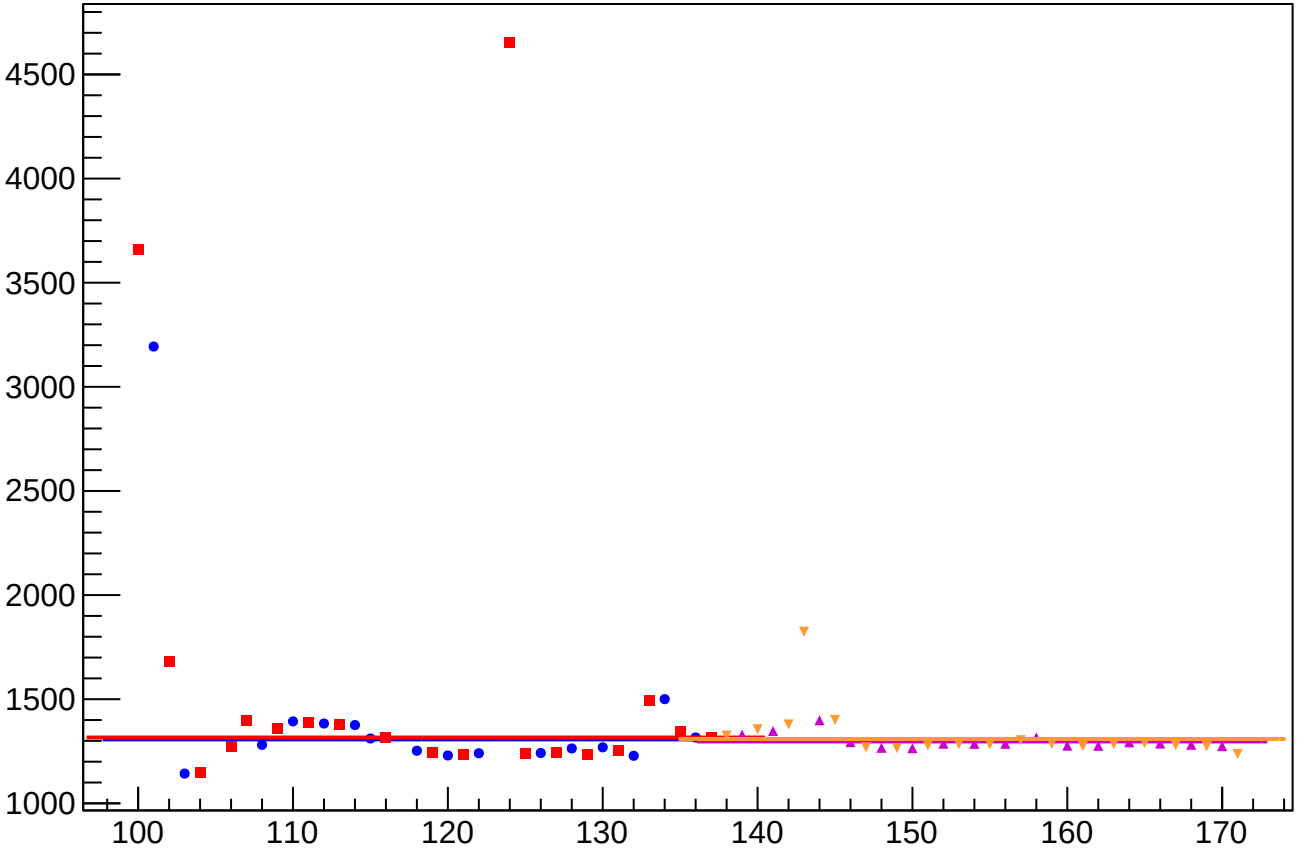
Left In: -2676.656+/-356.864 χ^2/NDF:20.4/15

+ sign 1684.254+/-284.579 χ^2/NDF: 37.6/33

All: -325.045+/-202.918 χ^2/NDF: 180.6/68

- sign -2403.324+/-289.422 χ^2/NDF: 41.7/34

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1309.166+/-0.246 χ^2/NDF:157753.6/17

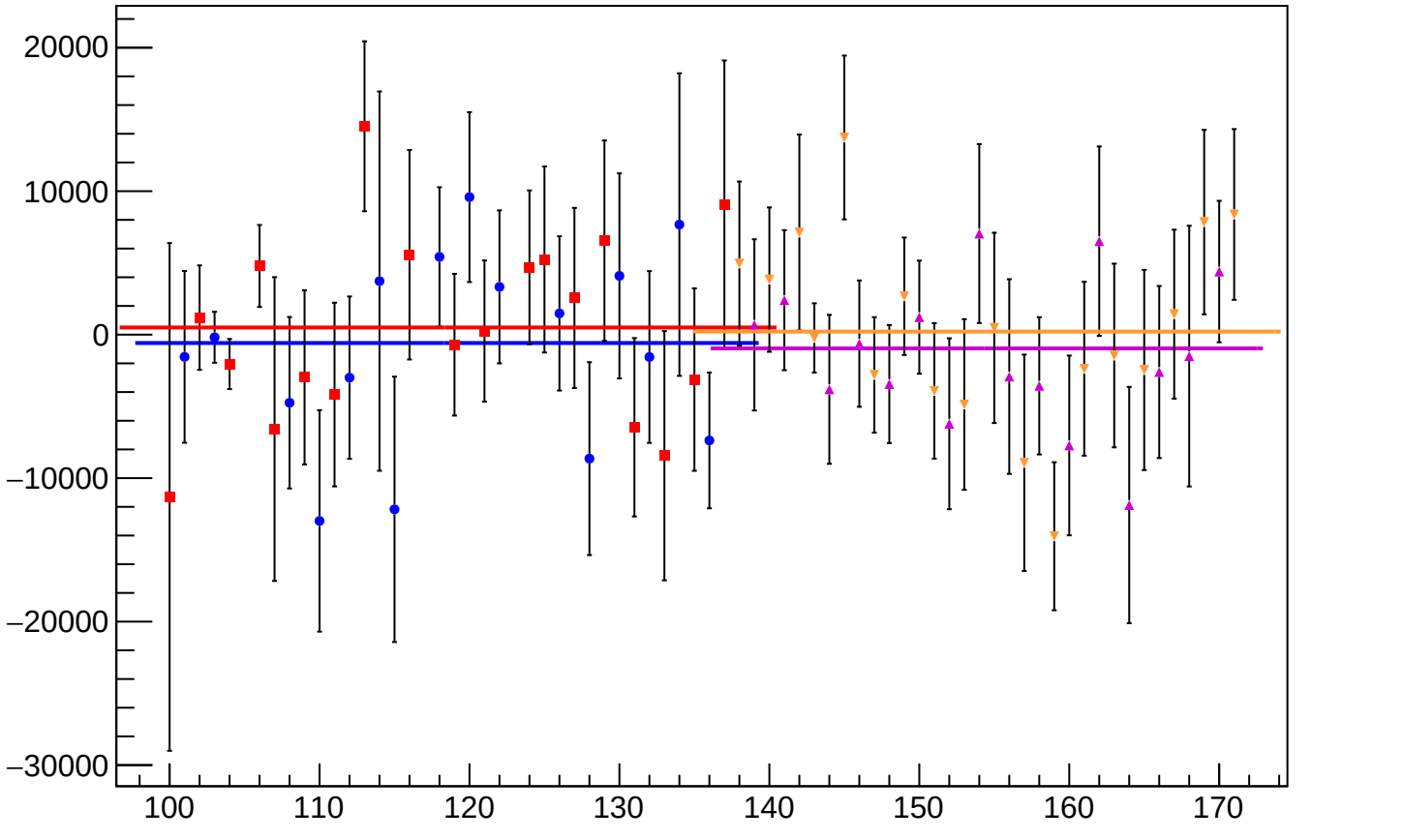
Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

+ sign 1308.474+/-0.201 χ^2/NDF: 674026.7/33

All: 1306.076+/-0.143 χ^2/NDF: 1020283.0/68

- sign 1303.600+/-0.204 χ^2/NDF: 345967.7/34



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 214.156+/-1178.190 χ^2/NDF:23.2/17

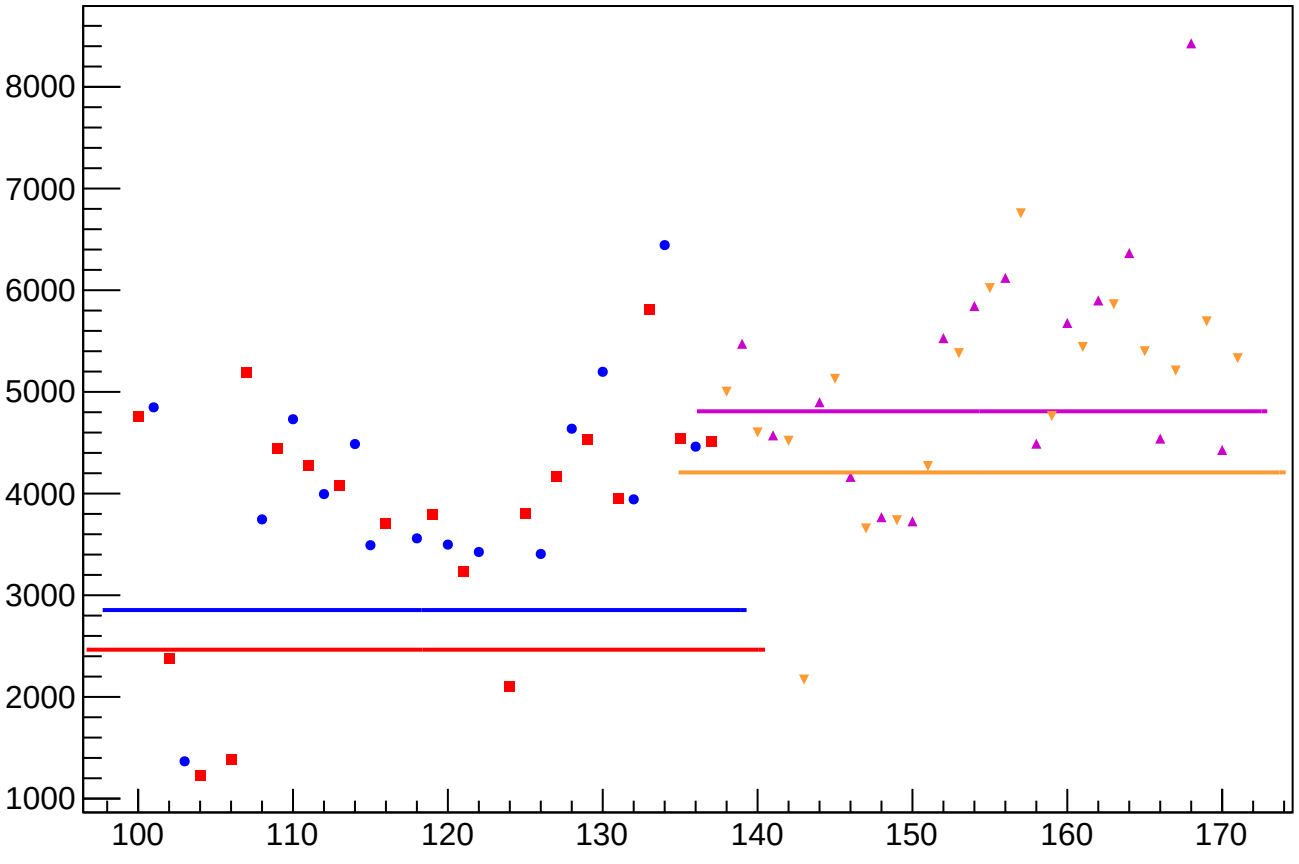
Right Out: 500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: -958.872+/-1353.474 χ^2/NDF:9.8/15

+ sign -178.892+/-838.245 χ^2/NDF: 38.1/33

All: -114.792+/-590.614 χ^2/NDF: 66.3/68

- sign -51.599+/-832.294 χ^2/NDF: 28.2/34



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4207.922+/-0.833 χ^2/NDF:2589269.3/17

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

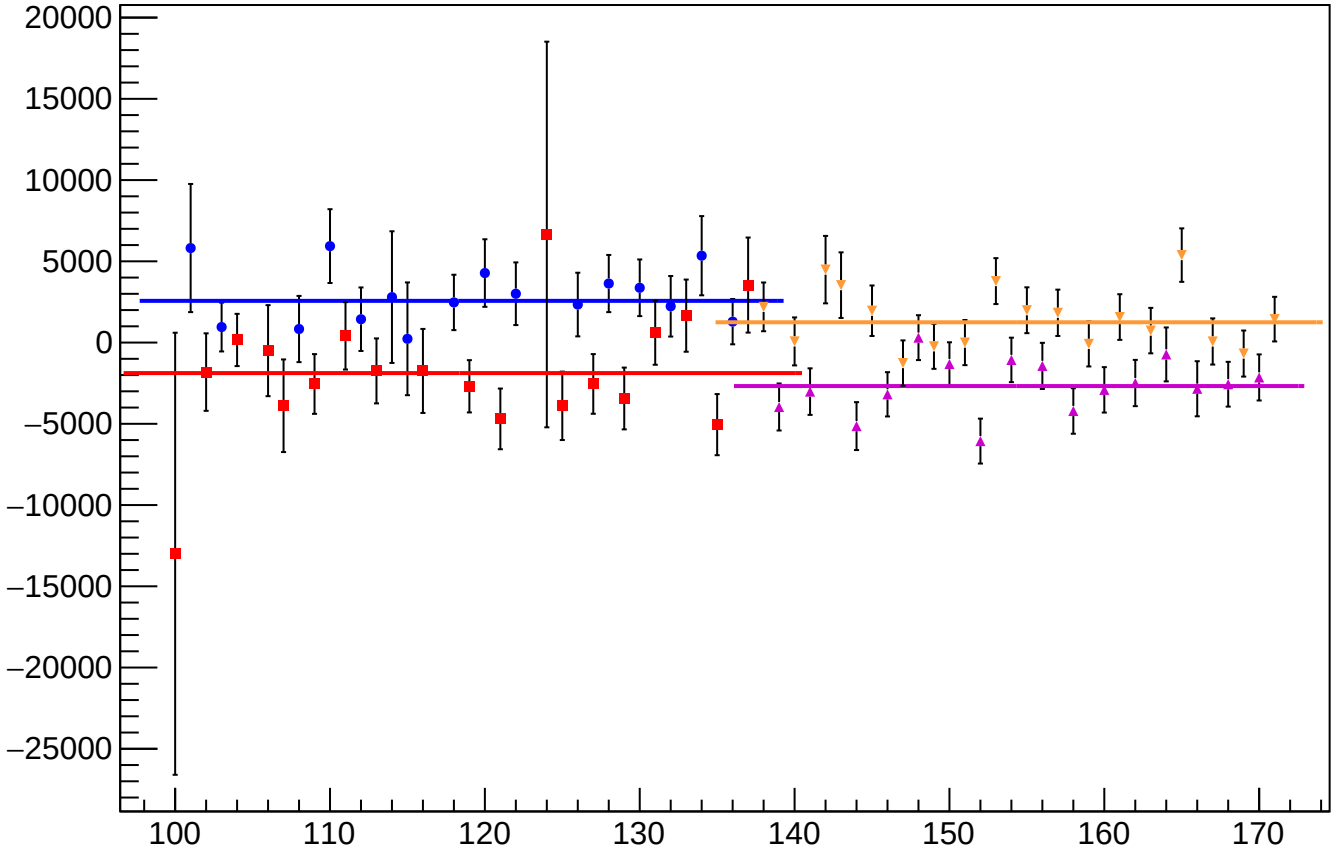
Left In: 4809.099+/-0.957 χ^2/NDF:1017939.5/15

+ sign 3539.487+/-0.593 χ^2/NDF: 6797726.8/33

All: 3444.646+/-0.418 χ^2/NDF: 14954309.9/6

- sign 3351.148+/-0.589 χ^2/NDF: 8105741.2/34

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1249.107+/-347.676 χ^2/NDF:23.8/17

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

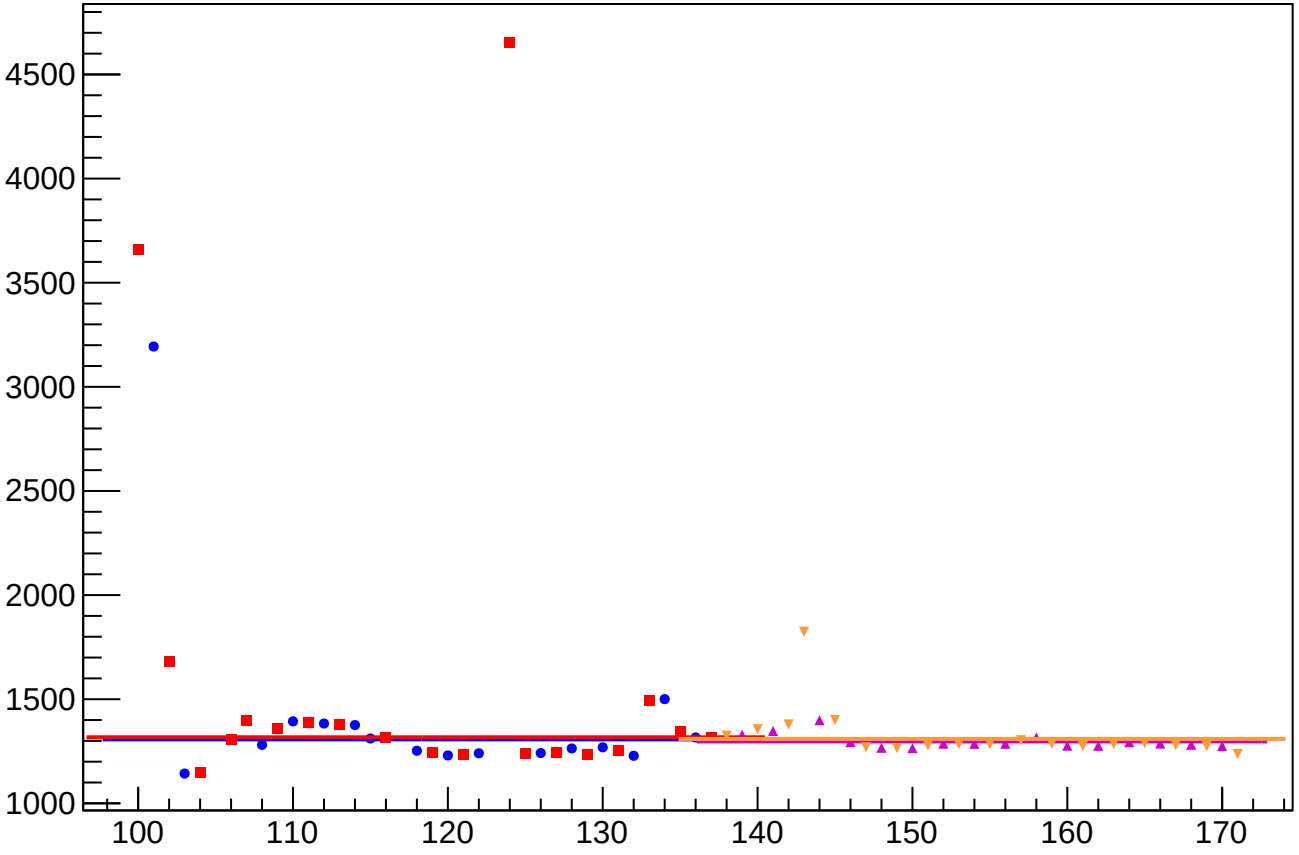
Left In: -2676.687+/-356.864 χ^2/NDF:20.4/15

+ sign 1684.113+/-284.579 χ^2/NDF: 37.6/33

All: -325.083+/-202.918 χ^2/NDF: 180.6/68

- sign -2403.257+/-289.422 χ^2/NDF: 41.7/34

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1309.167+/-0.246 χ^2/NDF:157753.6/17

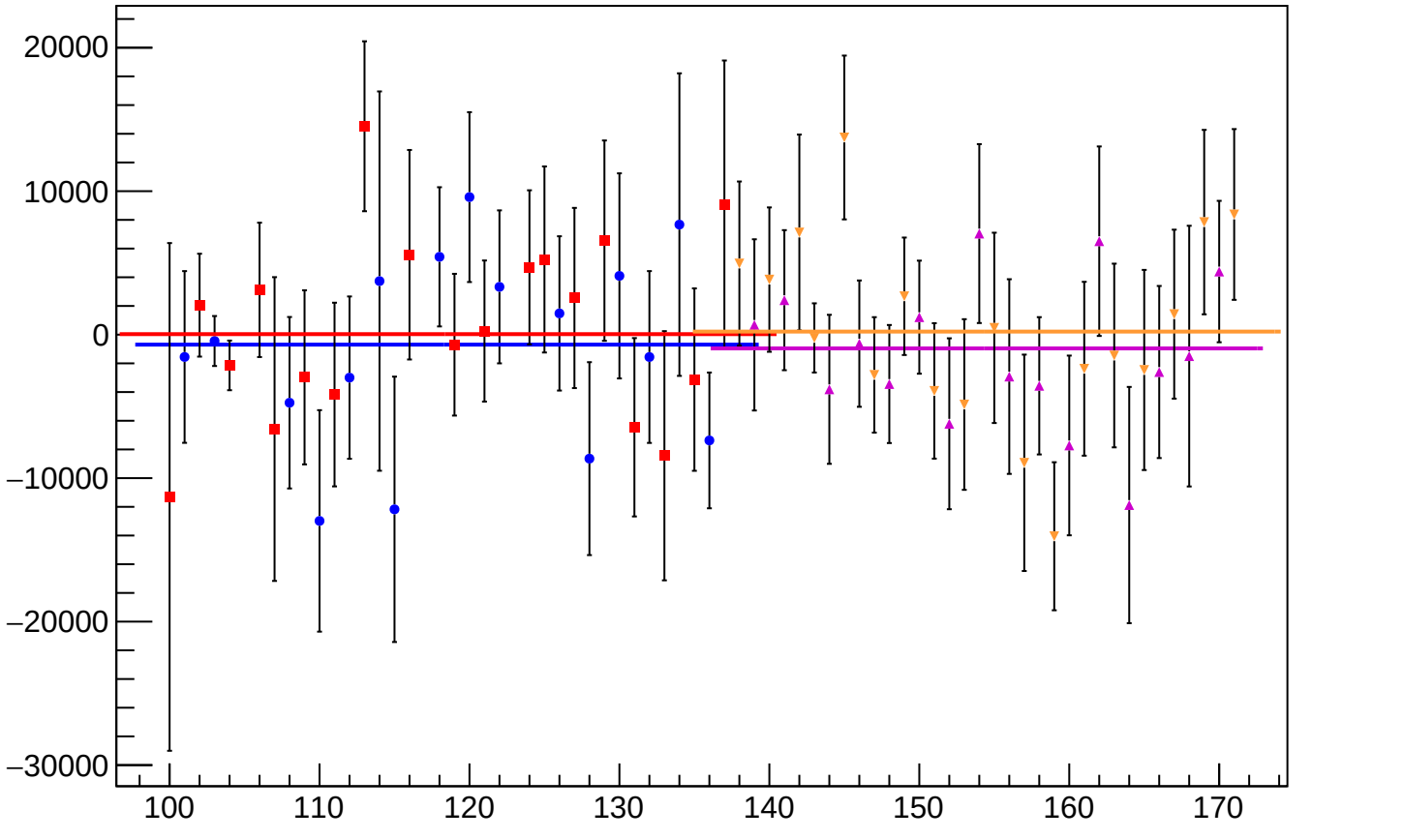
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

+ sign 1308.474+/-0.201 χ^2/NDF: 674028.2/33

All: 1306.264+/-0.143 χ^2/NDF: 1019982.6/68

- sign 1303.981+/-0.205 χ^2/NDF: 345709.1/34



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 214.137+/-1178.186 χ^2/NDF:23.2/17

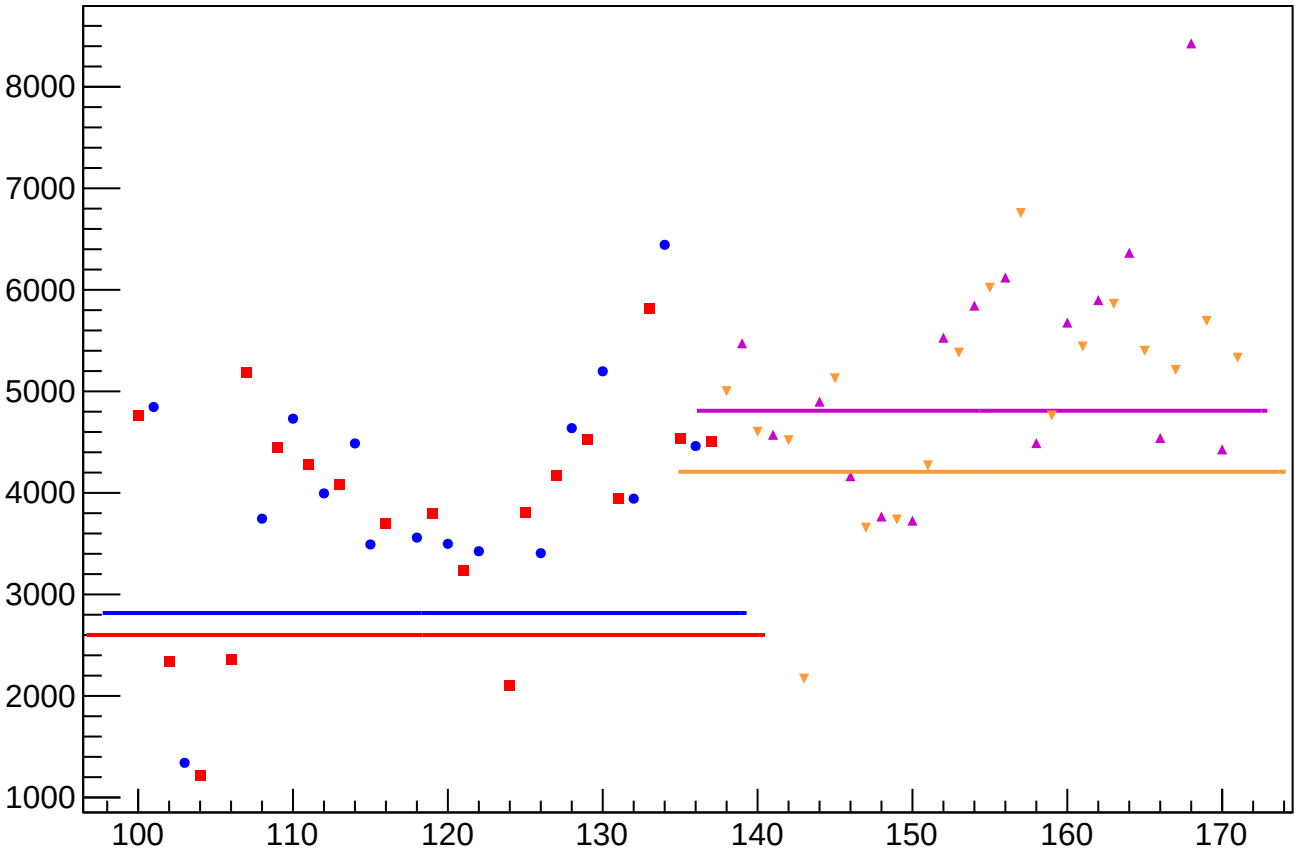
Right Out: 36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: -958.931+/-1353.473 χ^2/NDF:9.8/15

+ sign -238.920+/-834.601 χ^2/NDF: 38.1/33

All: -297.625+/-596.480 χ^2/NDF: 64.2/68

- sign -358.916+/-852.793 χ^2/NDF: 26.1/34



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4207.900+/-0.833 χ^2/NDF:2589349.0/17

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

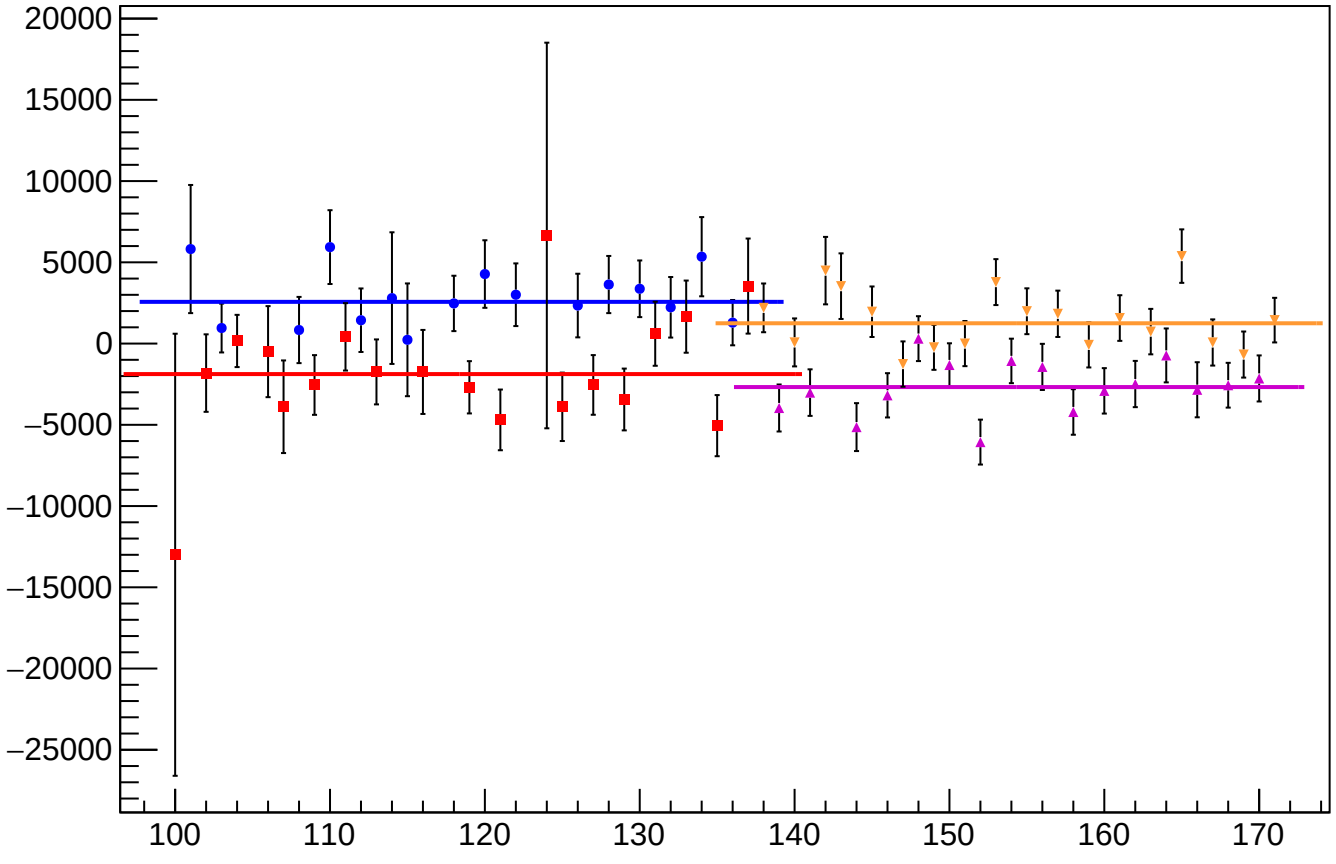
Left In: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

+ sign 3514.845+/-0.590 χ^2/NDF: 6986020.5/33

All: 3496.488+/-0.422 χ^2/NDF: 14297957.9/6

- sign 3477.322+/-0.603 χ^2/NDF: 7309959.7/34

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: 1249.107+/-347.676 χ^2/NDF:23.8/17

Right Out: -1877.774+/-494.719 χ^2/NDF: 19.5/18

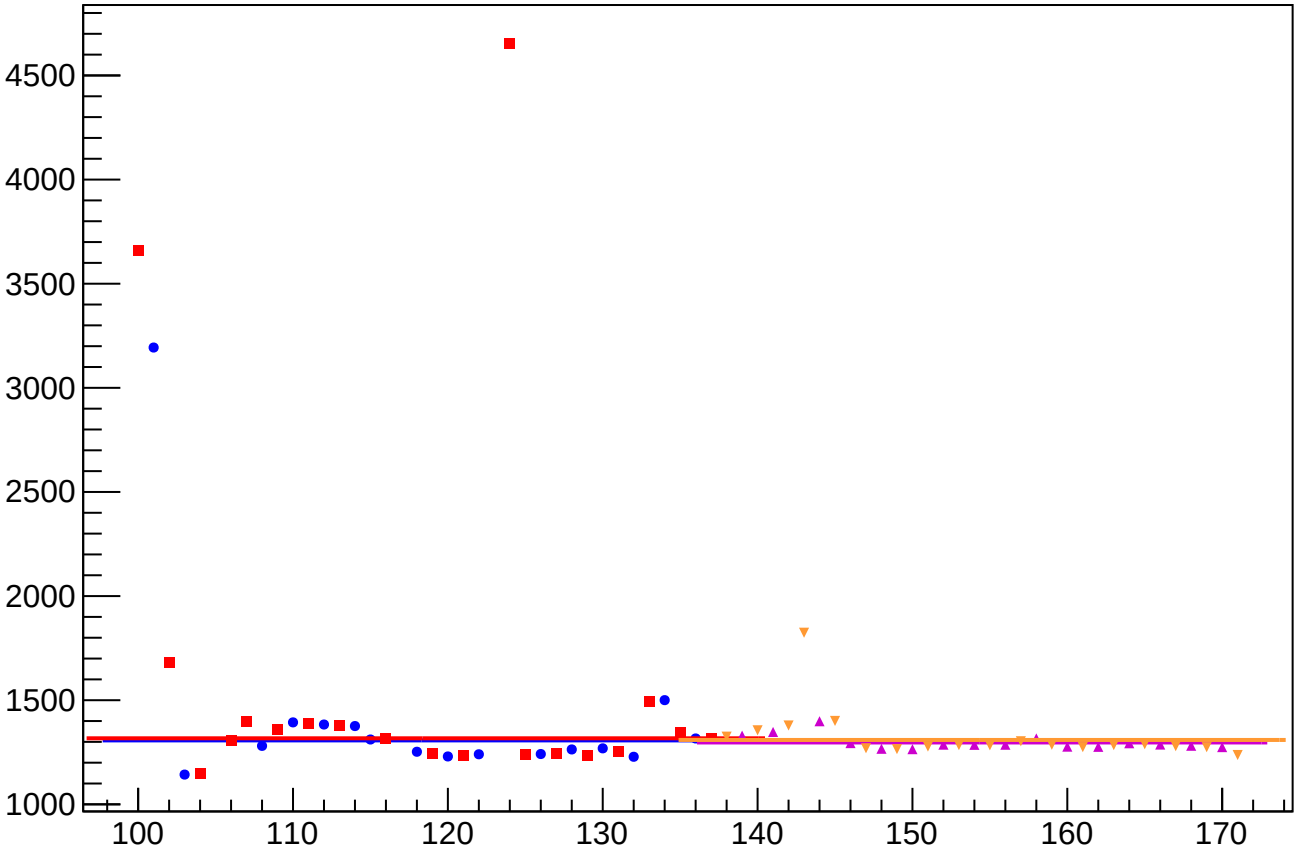
Left In: -2676.687+/-356.864 χ^2/NDF:20.4/15

+ sign 1684.113+/-284.579 χ^2/NDF: 37.6/33

All: -325.083+/-202.918 χ^2/NDF: 180.6/68

- sign -2403.257+/-289.422 χ^2/NDF: 41.7/34

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: 1309.167+/-0.246 χ^2/NDF:157753.6/17

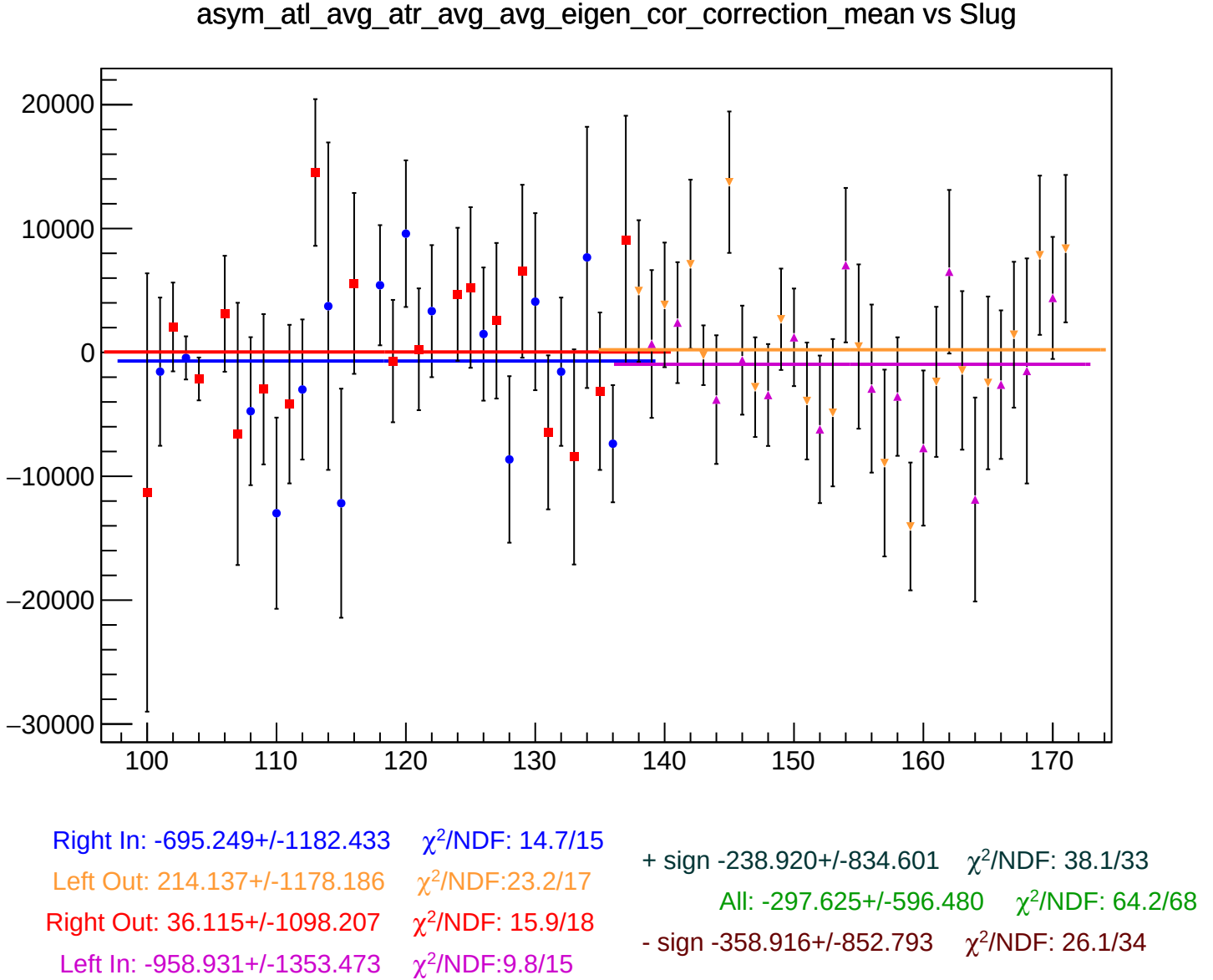
Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

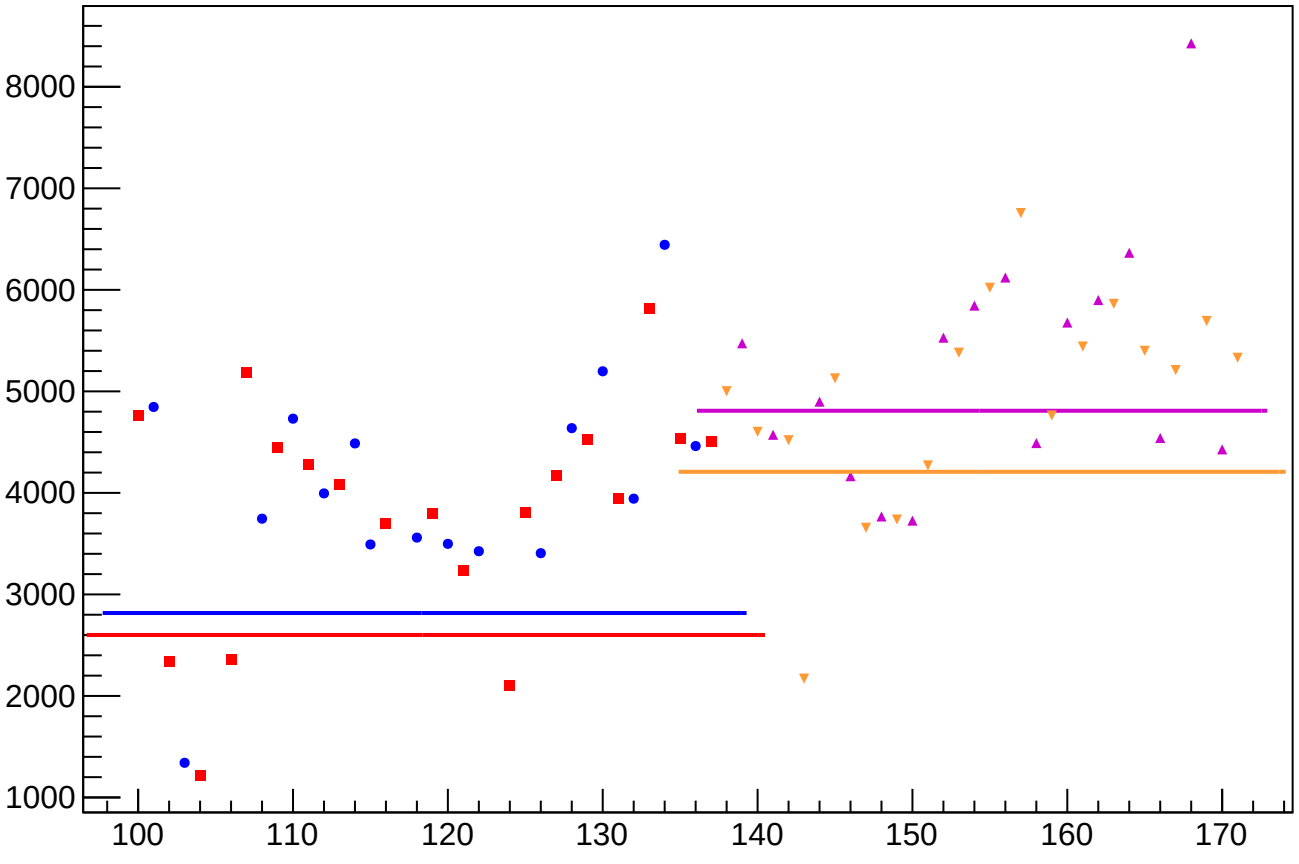
Left In: 1297.114+/-0.252 χ^2/NDF:17623.9/15

+ sign 1308.474+/-0.201 χ^2/NDF: 674028.2/33

All: 1306.264+/-0.143 χ^2/NDF: 1019982.6/68

- sign 1303.981+/-0.205 χ^2/NDF: 345709.1/34


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 214.137+/-1178.186 χ²/NDF:23.2/17
Right Out: 36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: -958.931+/-1353.473 χ²/NDF:9.8/15
+ sign -238.920+/-834.601 χ²/NDF: 38.1/33
All: -297.625+/-596.480 χ²/NDF: 64.2/68
- sign -358.916+/-852.793 χ²/NDF: 26.1/34



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4207.900+/-0.833 χ^2/NDF:2589349.0/17

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

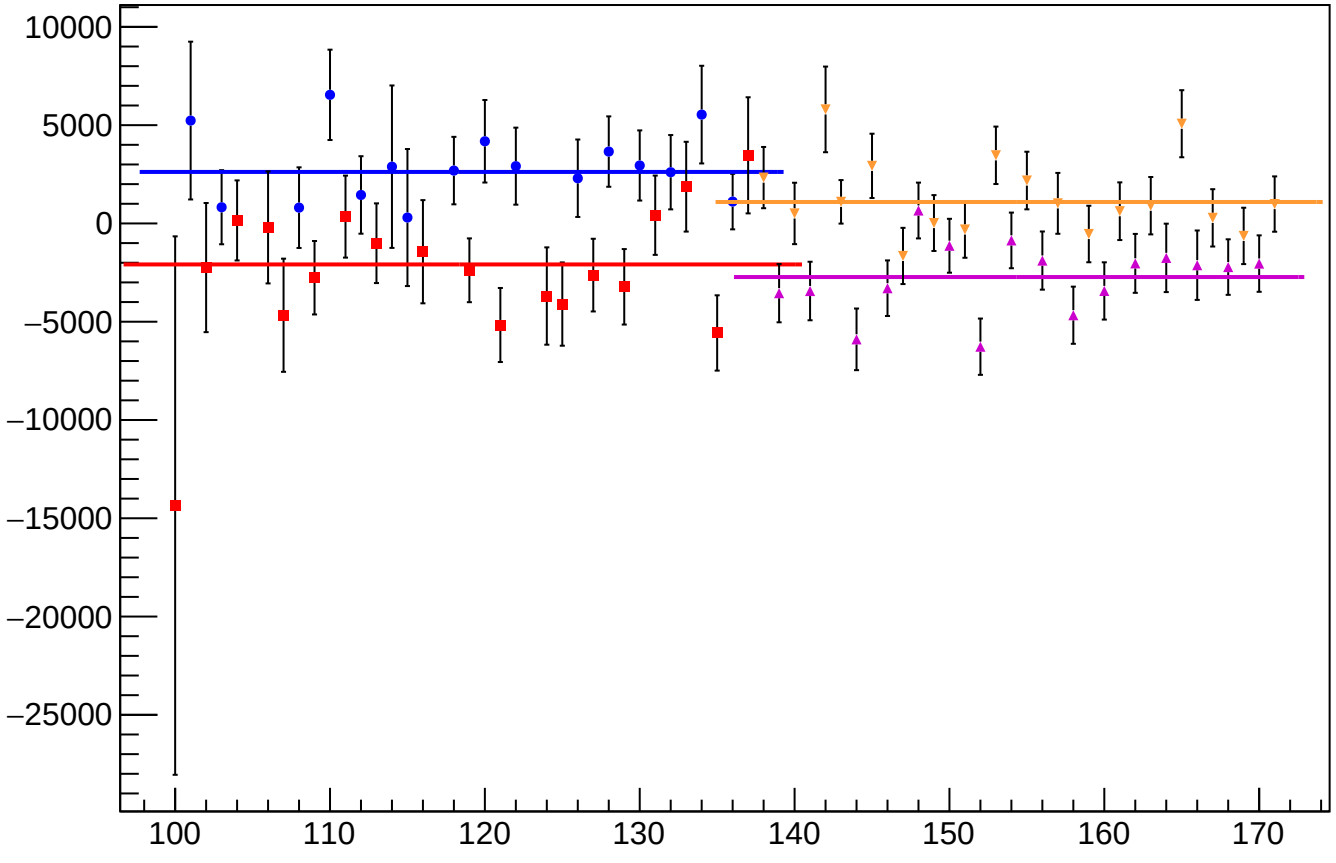
Left In: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

+ sign 3514.845+/-0.590 χ^2/NDF: 6986020.5/33

All: 3496.488+/-0.422 χ^2/NDF: 14297957.9/6

- sign 3477.322+/-0.603 χ^2/NDF: 7309959.7/34

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1091.185+/-347.866 χ^2/NDF:23.7/17

Right Out: -2085.606+/-504.873 χ^2/NDF: 20.9/18

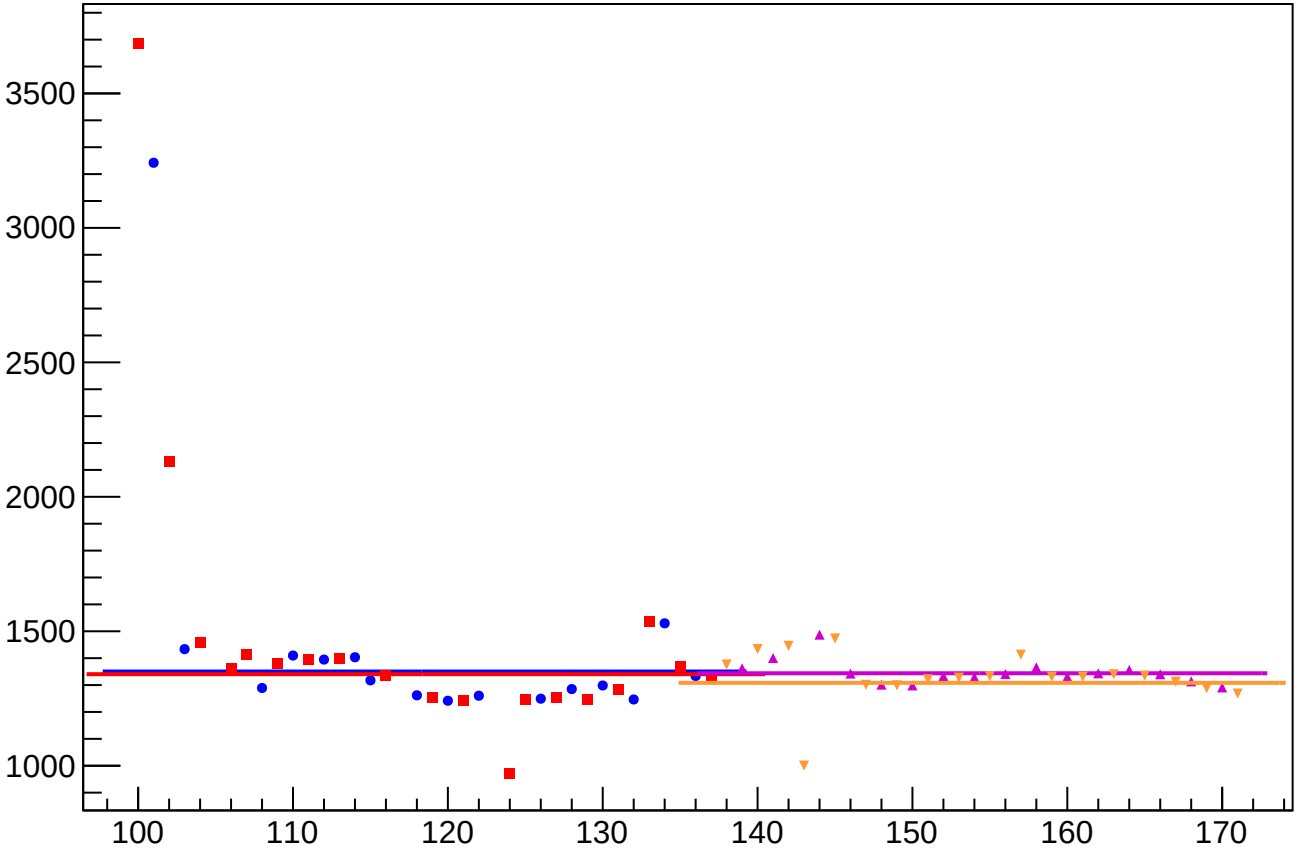
Left In: -2726.645+/-369.856 χ^2/NDF:23.0/15

+ sign 1574.827+/-287.649 χ^2/NDF: 39.2/33

All: -389.455+/-207.082 χ^2/NDF: 181.0/68

- sign -2502.769+/-298.362 χ^2/NDF: 45.0/34

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1308.274+/-0.246 χ^2/NDF:214698.8/17

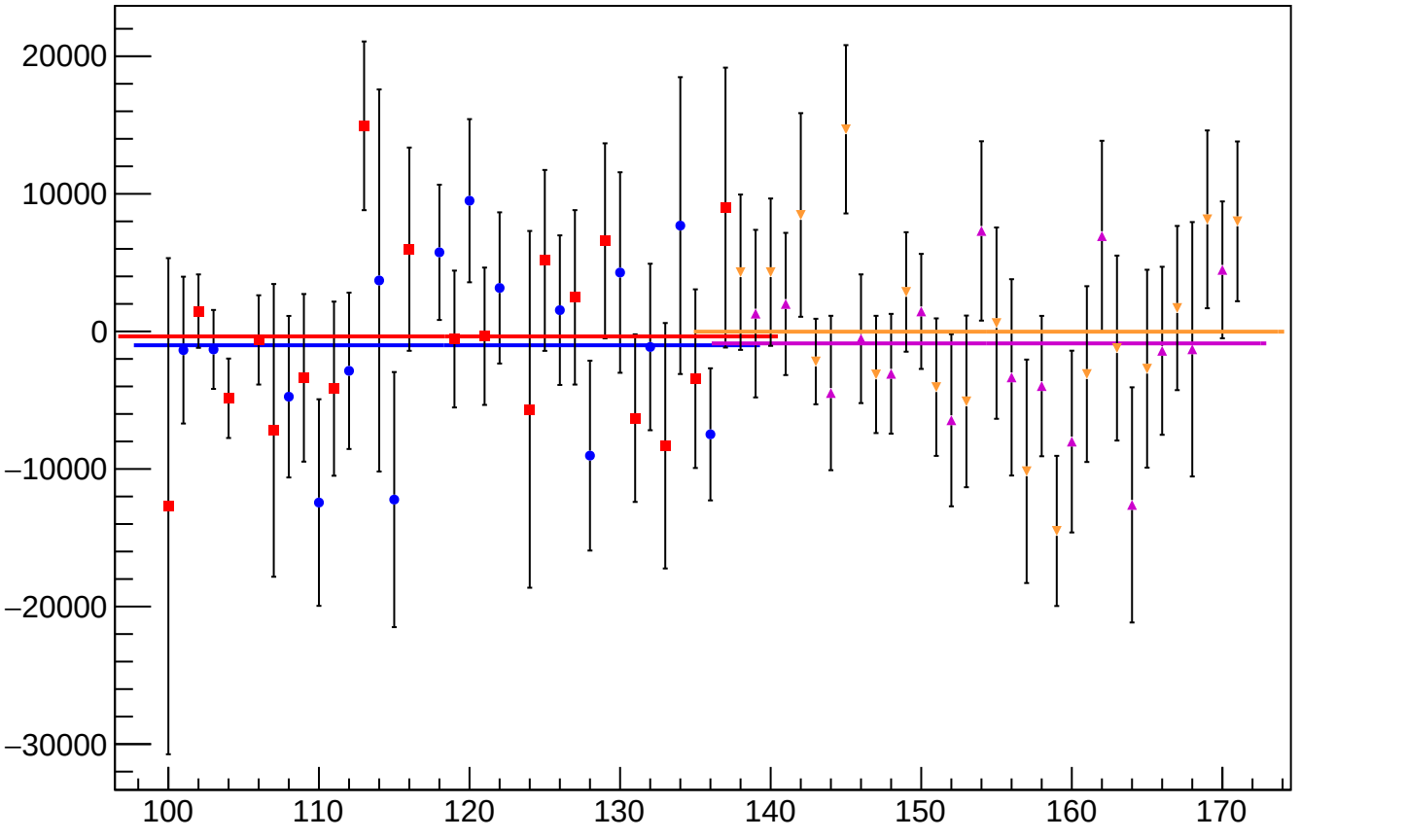
Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1343.884+/-0.262 χ^2/NDF:28556.0/15

+ sign 1321.586+/-0.203 χ^2/NDF: 718011.4/33

All: 1331.748+/-0.146 χ^2/NDF: 1023992.2/68

- sign 1342.676+/-0.211 χ^2/NDF: 300800.6/34



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: -18.543+/-1284.944 χ^2/NDF:23.7/17

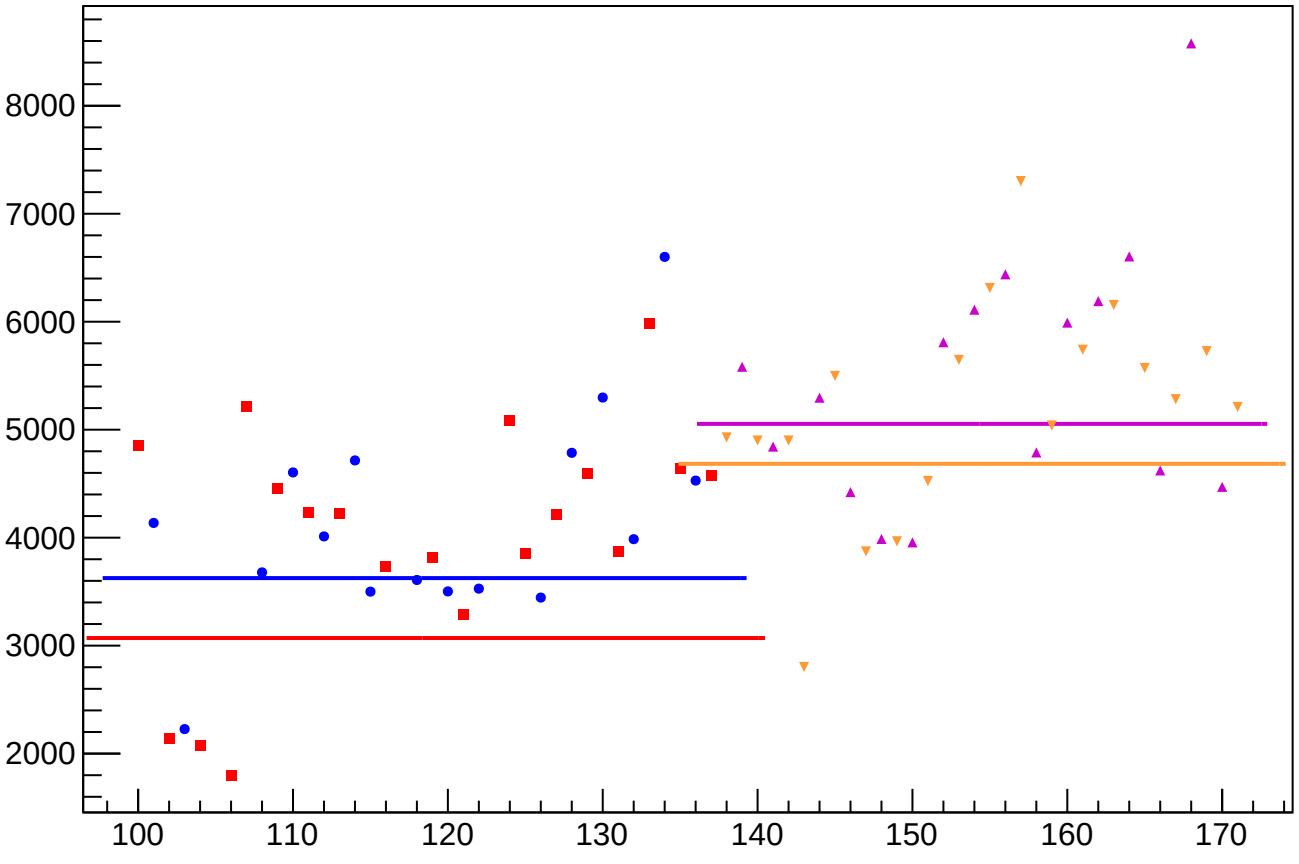
Right Out: -364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: -870.881+/-1421.005 χ^2/NDF:9.8/15

+ sign -468.819+/-948.034 χ^2/NDF: 38.6/33

All: -524.035+/-659.463 χ^2/NDF: 64.6/68

- sign -575.801+/-917.936 χ^2/NDF: 26.1/34



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4683.909+/-0.909 χ^2/NDF:1549840.7/17

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

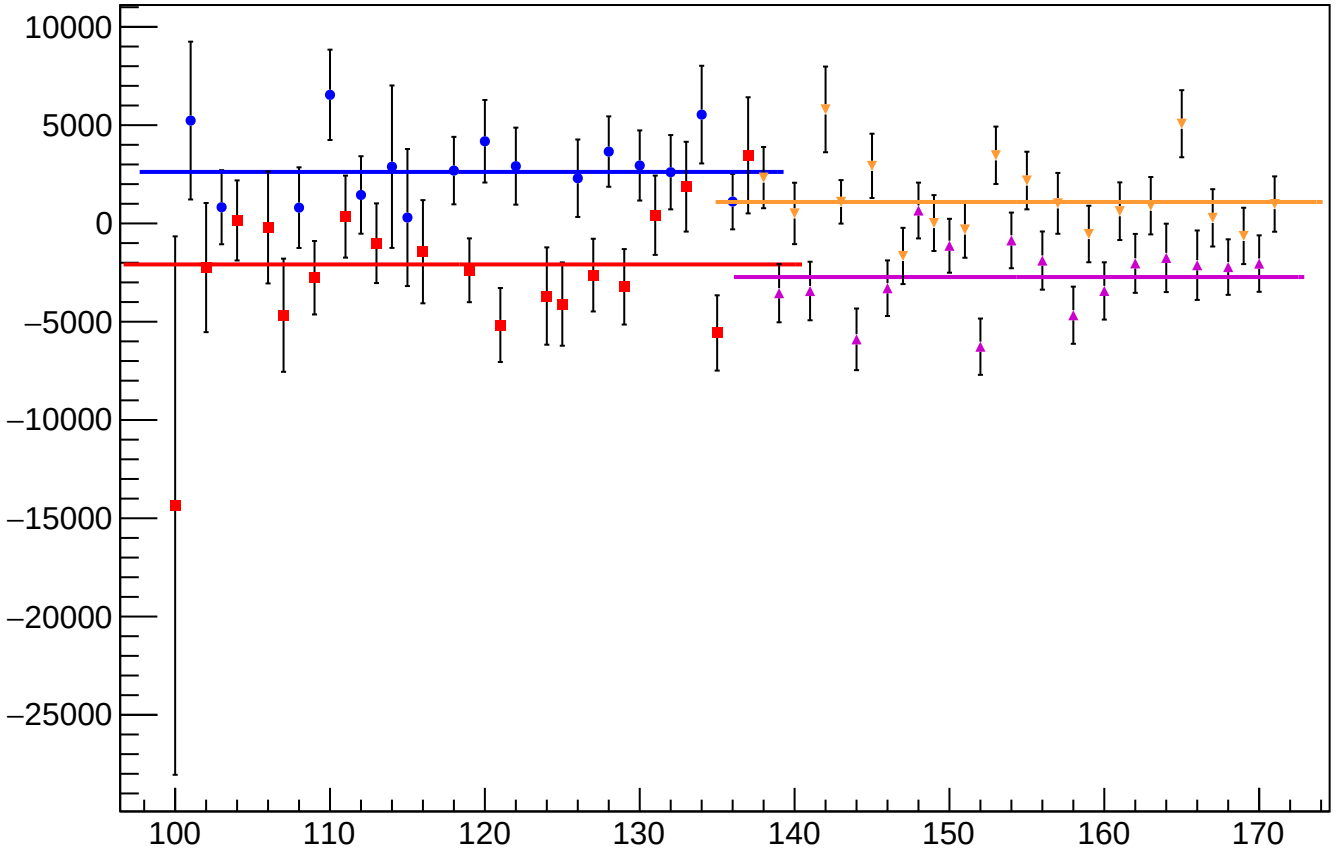
Left In: 5053.863+/-1.005 χ^2/NDF:966794.7/15

+ sign 4201.652+/-0.670 χ^2/NDF: 3113031.6/33

All: 4044.978+/-0.466 χ^2/NDF: 8294831.7/68

- sign 3898.095+/-0.649 χ^2/NDF: 5075967.8/34

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1091.180+/-347.866 χ^2/NDF:23.7/17

Right Out: -2085.608+/-504.873 χ^2/NDF: 20.9/18

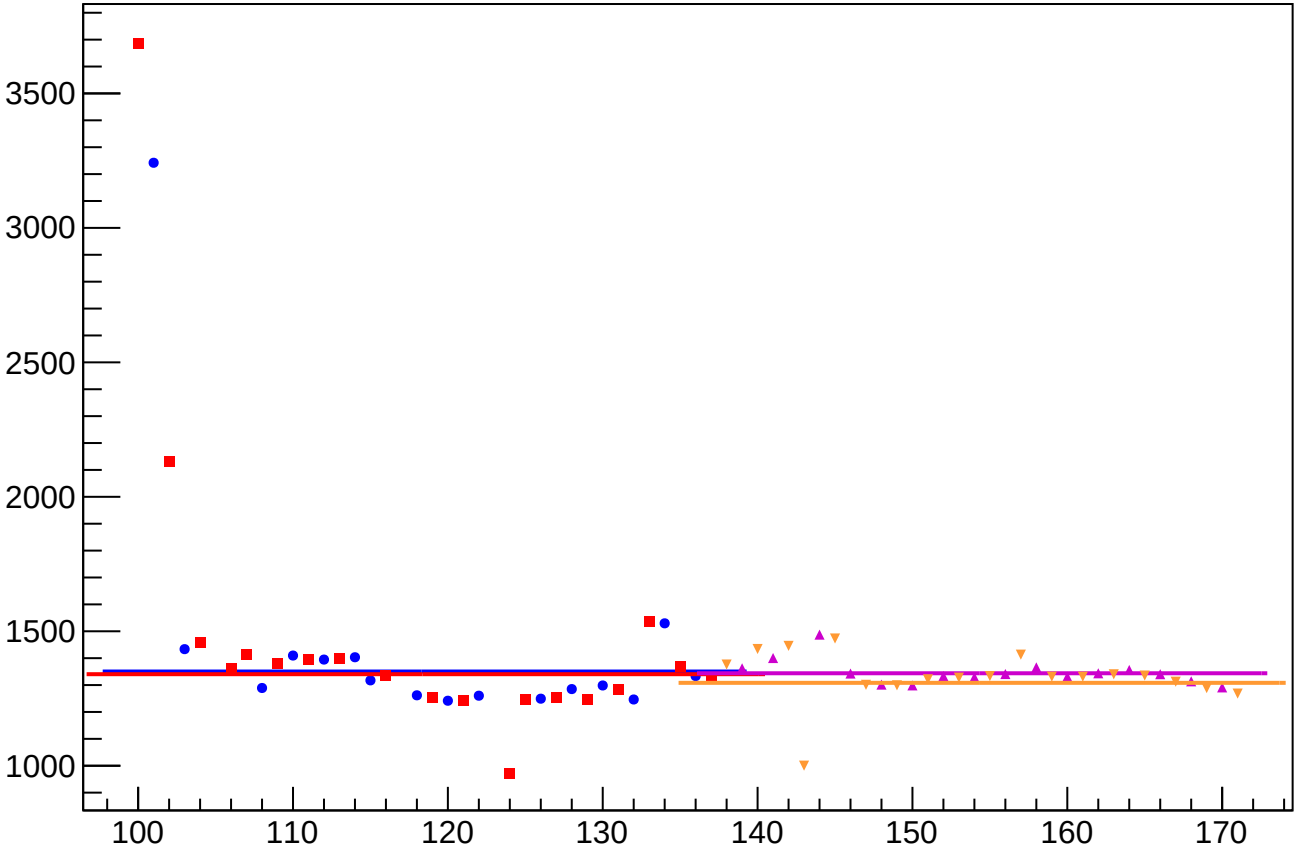
Left In: -2726.646+/-369.856 χ^2/NDF:23.0/15

+ sign 1574.825+/-287.649 χ^2/NDF: 39.2/33

All: -389.456+/-207.082 χ^2/NDF: 181.0/68

- sign -2502.771+/-298.362 χ^2/NDF: 45.0/34

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: 1308.275+/-0.246 χ^2/NDF:214699.8/17

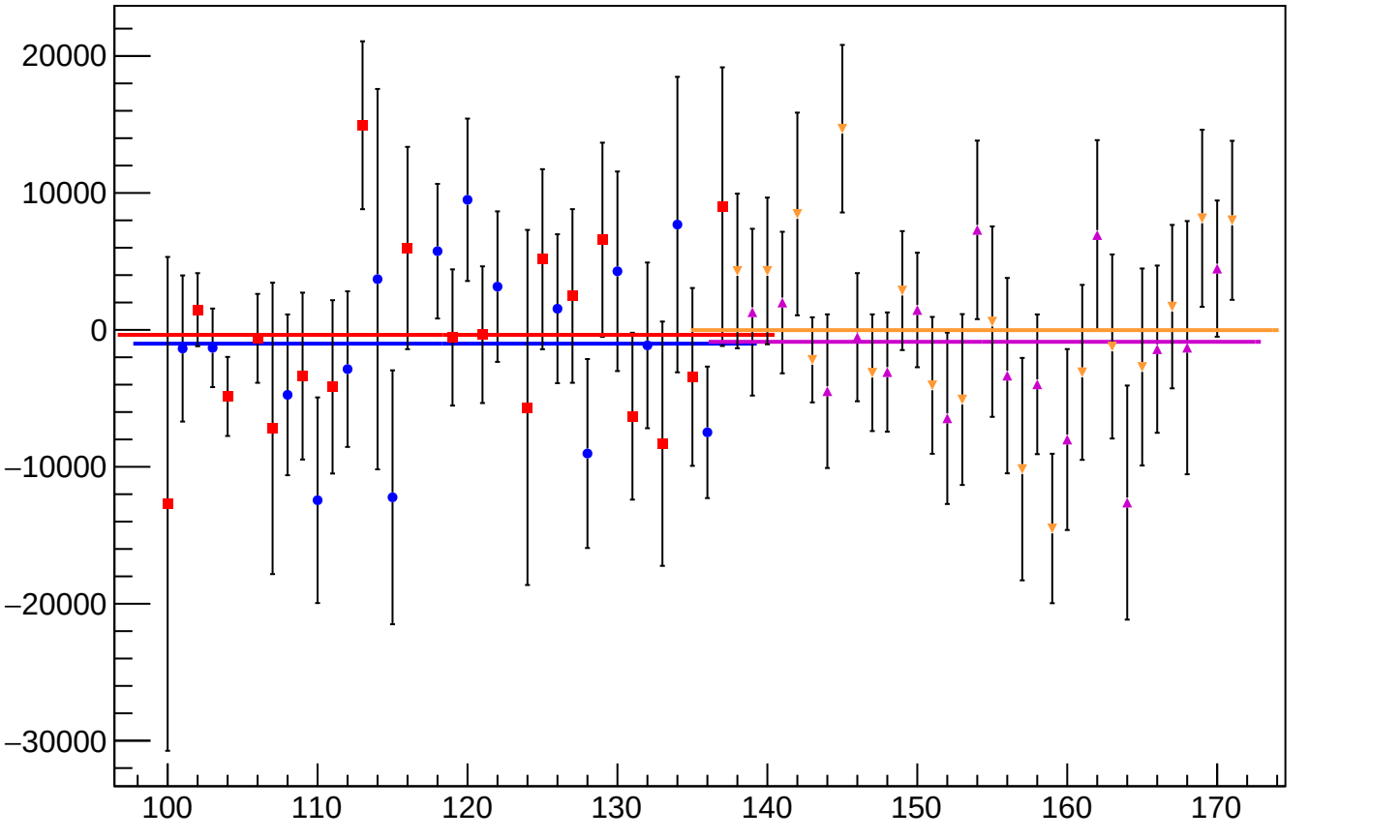
Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1343.885+/-0.262 χ^2/NDF:28556.4/15

+ sign 1321.587+/-0.203 χ^2/NDF: 718011.9/33

All: 1331.749+/-0.146 χ^2/NDF: 1023992.2/68

- sign 1342.677+/-0.211 χ^2/NDF: 300800.0/34



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -18.547+/-1284.946 χ^2/NDF:23.7/17

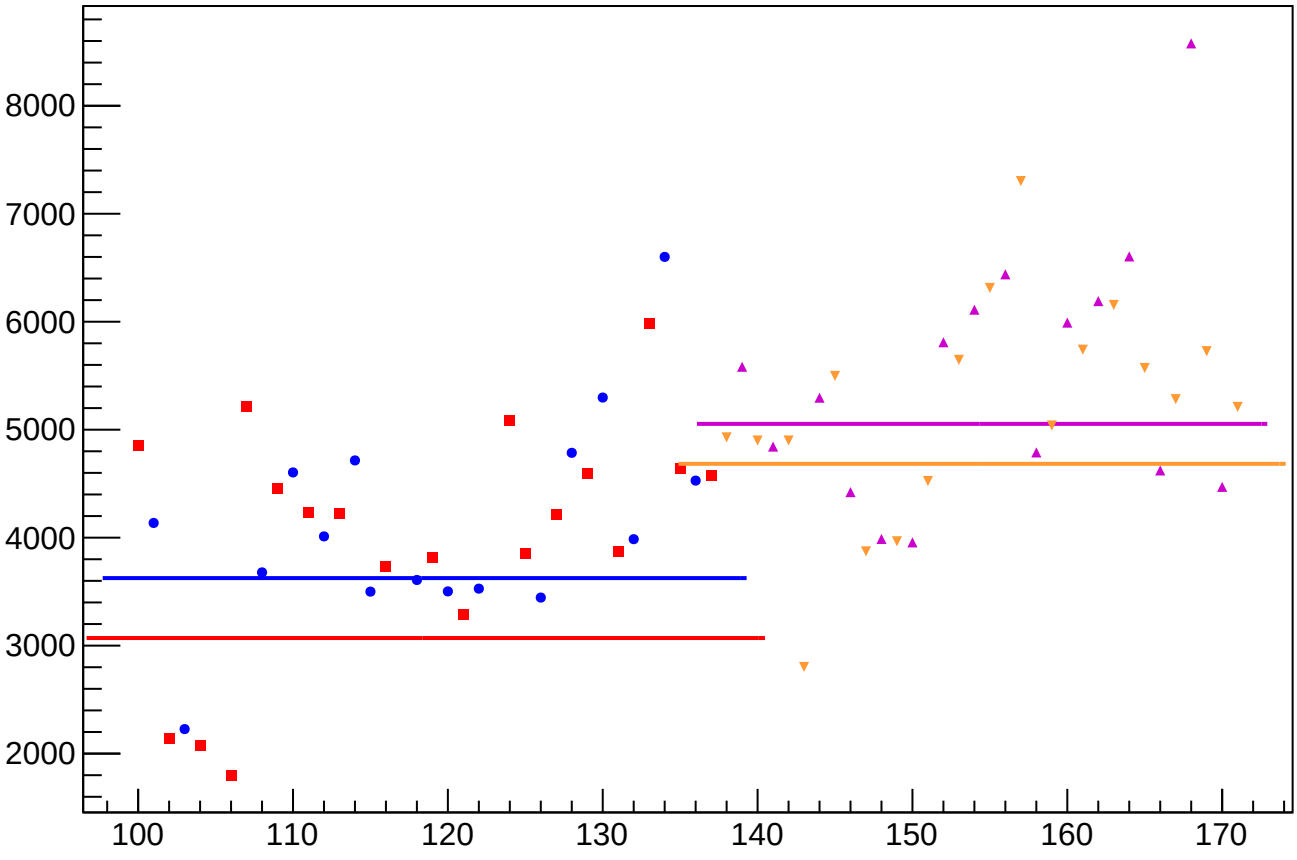
Right Out: -364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: -870.879+/-1421.007 χ^2/NDF:9.8/15

+ sign -468.819+/-948.034 χ^2/NDF: 38.6/33

All: -524.035+/-659.462 χ^2/NDF: 64.6/68

- sign -575.801+/-917.935 χ^2/NDF: 26.1/34



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4683.916+/-0.909 χ^2/NDF:1549841.2/17

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

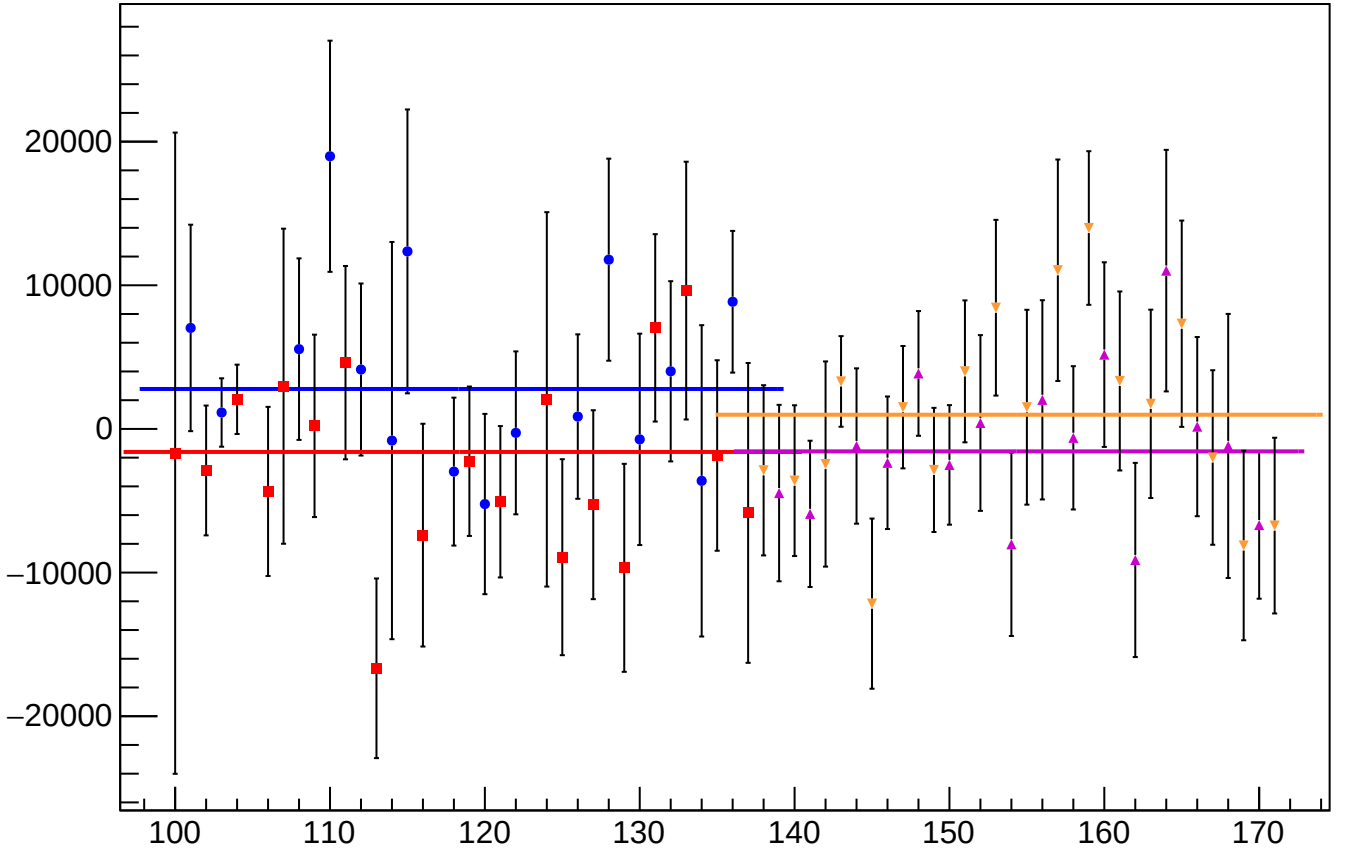
Left In: 5053.870+/-1.005 χ^2/NDF:966796.8/15

+ sign 4201.650+/-0.670 χ^2/NDF: 3113054.0/33

All: 4044.974+/-0.466 χ^2/NDF: 8294898.2/68

- sign 3898.089+/-0.649 χ^2/NDF: 5076009.2/34

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 987.925+/-1281.992 χ^2/NDF:21.8/17

Right Out: -1602.626+/-1337.018 χ^2/NDF: 16.8/18

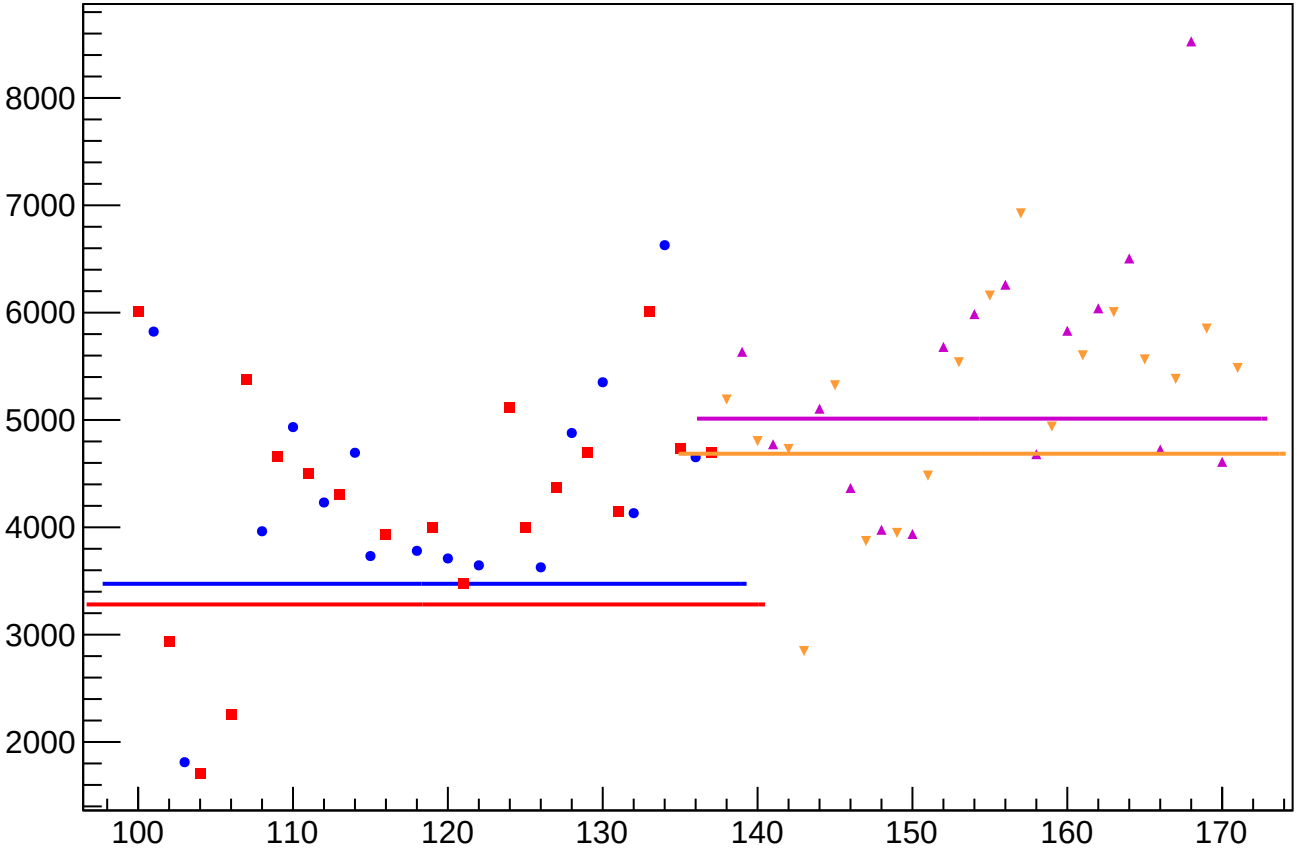
Left In: -1561.721+/-1407.050 χ^2/NDF:9.7/15

+ sign 1812.404+/-942.204 χ^2/NDF: 35.9/33

All: 162.590+/-675.590 χ^2/NDF: 68.7/68

- sign -1583.217+/-969.227 χ^2/NDF: 26.5/34

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4685.601+/-0.907 χ^2/NDF:1436191.2/17

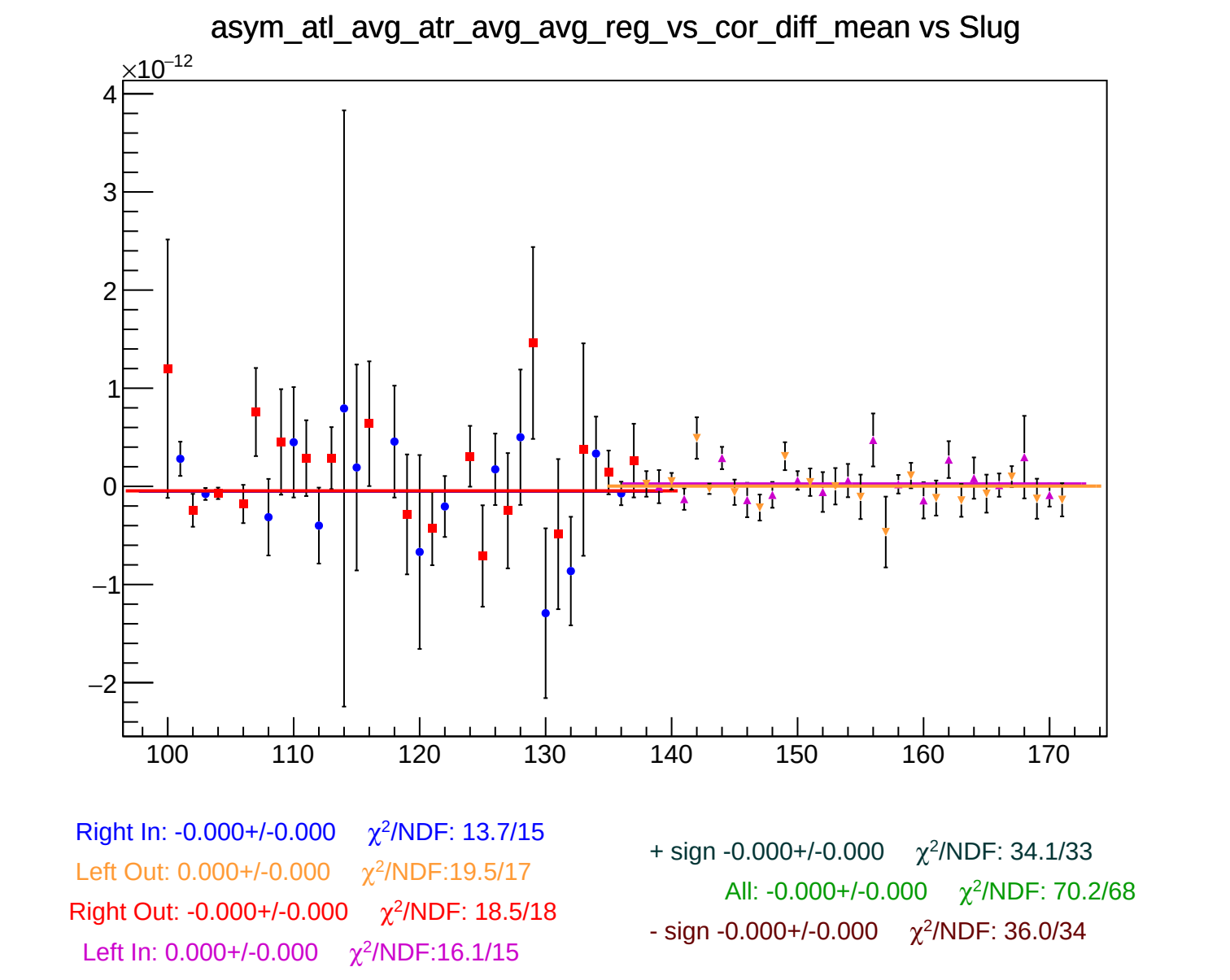
Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

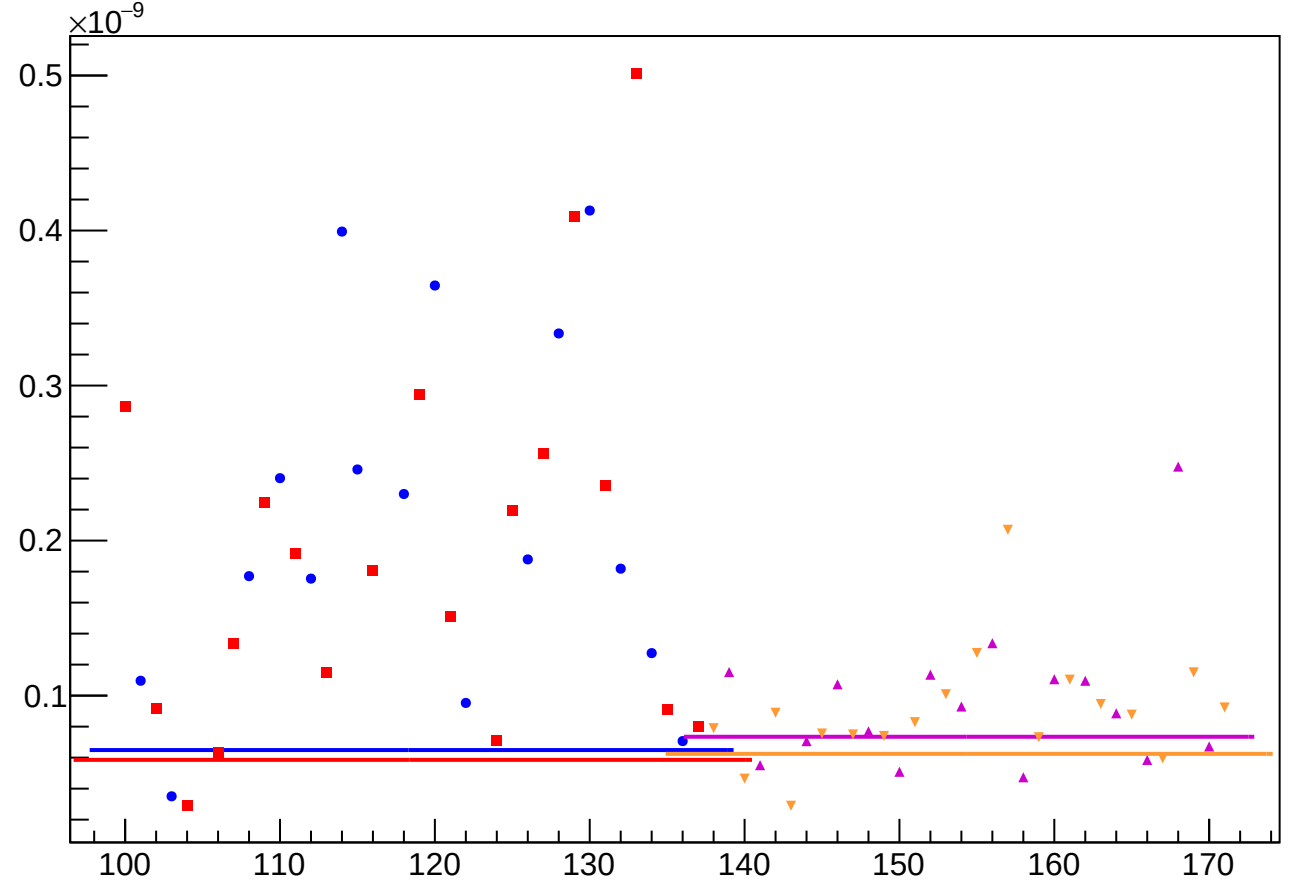
Left In: 5012.439+/-0.995 χ^2/NDF:906497.6/15

+ sign 4128.402+/-0.666 χ^2/NDF: 4101765.7/33

All: 4110.065+/-0.476 χ^2/NDF: 8496663.9/68

- sign 4090.941+/-0.680 χ^2/NDF: 4393350.7/34


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
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:19.5/17
Right Out: -0.000+/-0.000 χ²/NDF: 18.5/18
Left In: 0.000+/-0.000 χ²/NDF:16.1/15
+ sign -0.000+/-0.000 χ²/NDF: 34.1/33
All: -0.000+/-0.000 χ²/NDF: 70.2/68
- sign -0.000+/-0.000 χ²/NDF: 36.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2065185.0/17

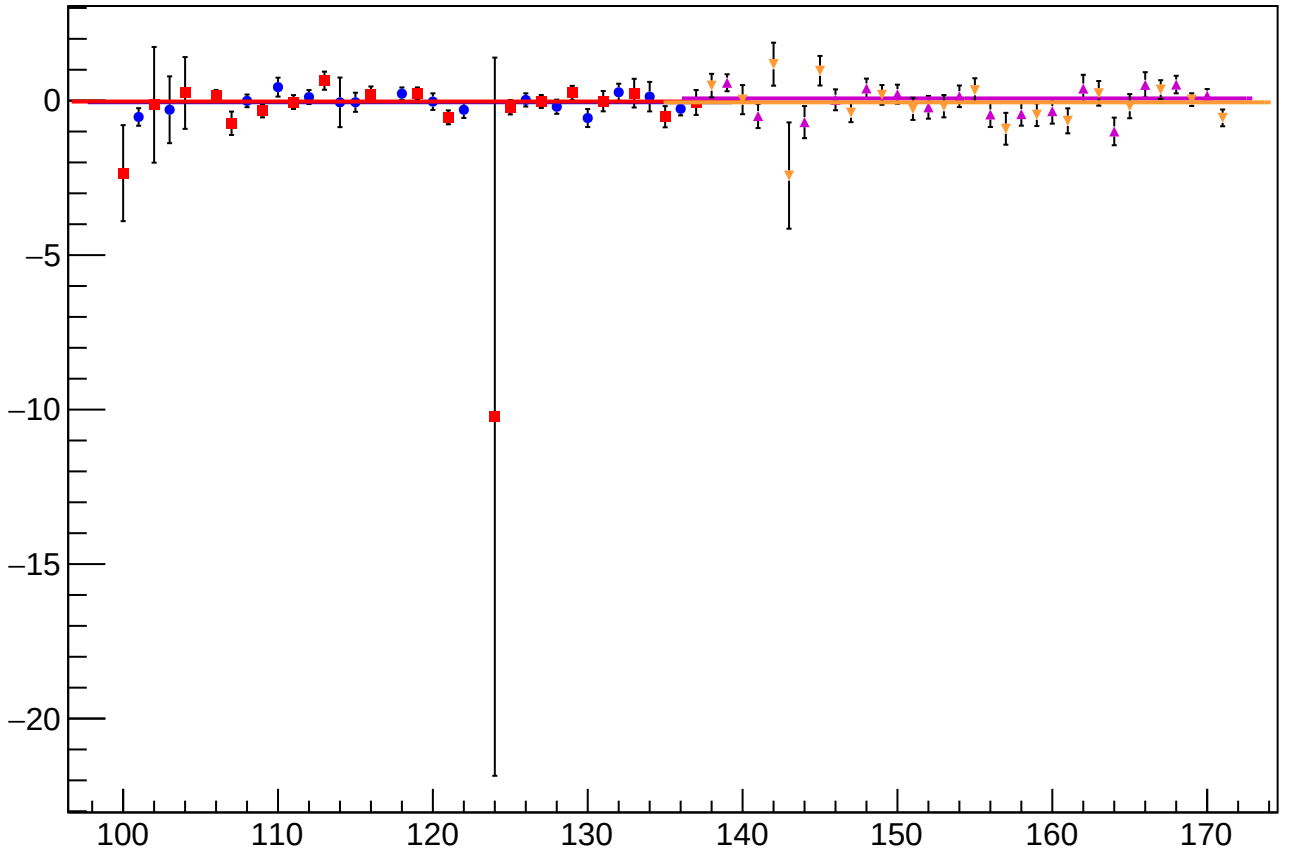
Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1272588.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 4661804.6/33

All: 0.000+/-0.000 χ^2/NDF: 8952904.4/68

- sign 0.000+/-0.000 χ^2/NDF: 4254670.2/34



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

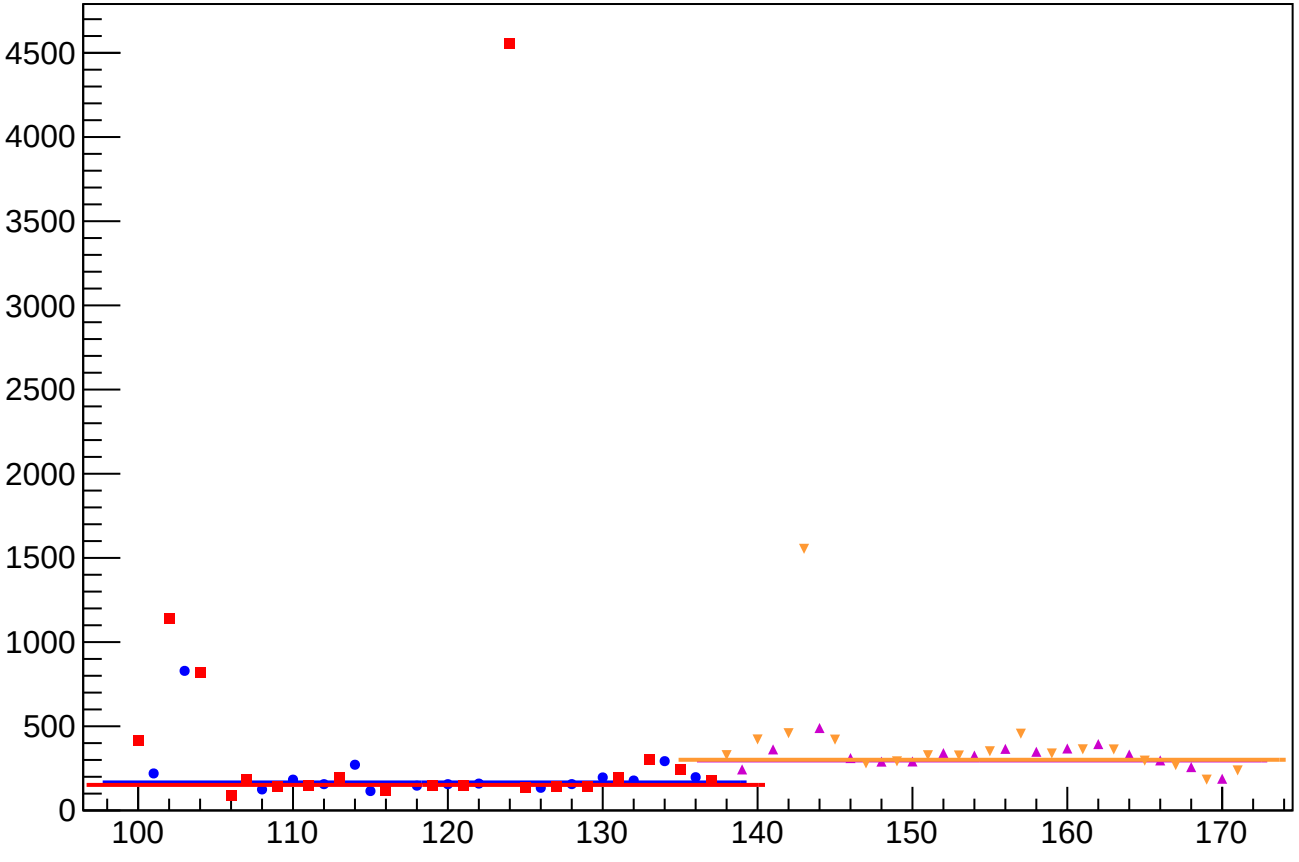
Left In: 0.071+/-0.085 χ^2/NDF:24.1/15

+ sign -0.053+/-0.052 χ^2/NDF: 41.9/33

All: -0.022+/-0.037 χ^2/NDF: 95.2/68

- sign 0.007+/-0.051 χ^2/NDF: 52.6/34

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 301.035+/-0.060 χ^2/NDF:2586225.5/17

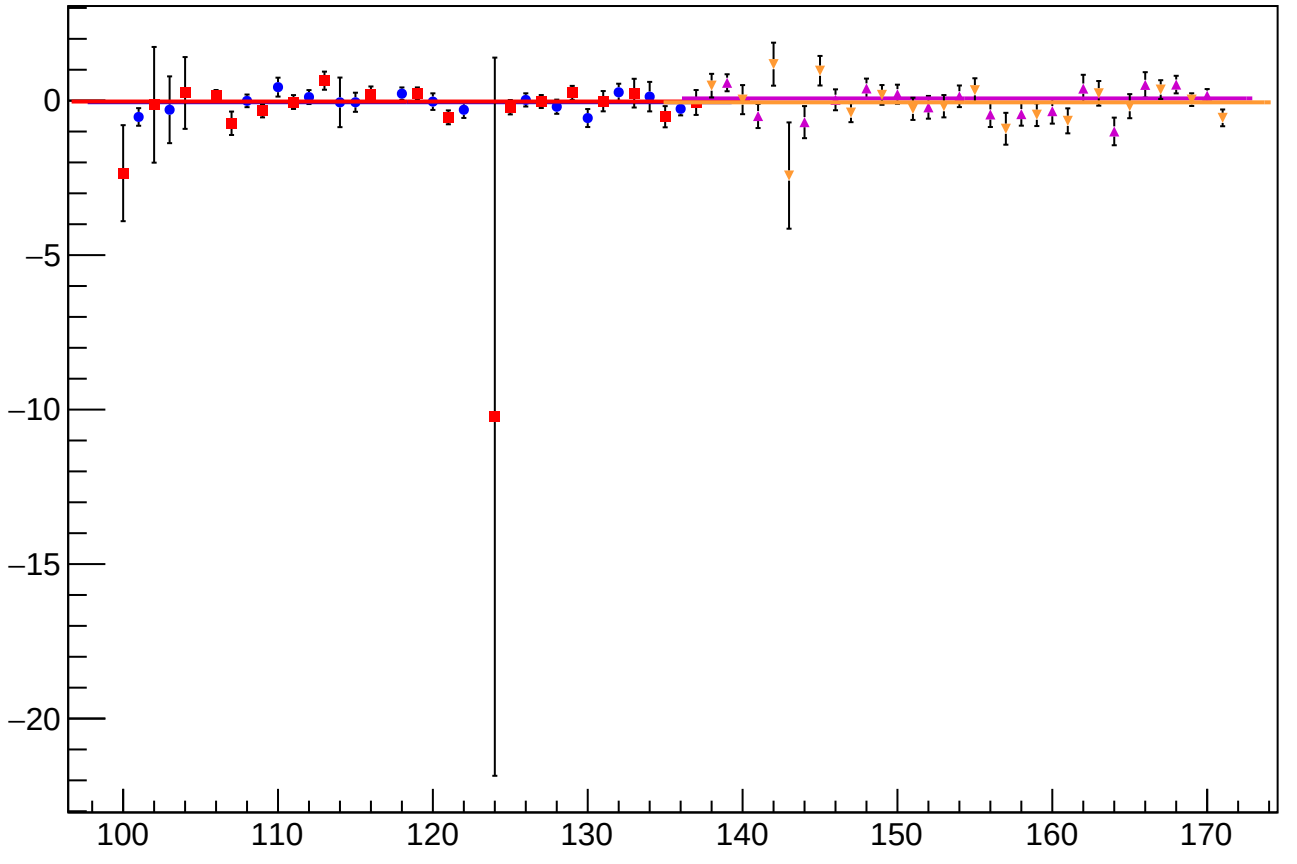
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 297.047+/-0.060 χ^2/NDF:1278508.3/15

+ sign 217.803+/-0.037 χ^2/NDF: 6980901.6/33

All: 210.857+/-0.026 χ^2/NDF: 14361272.9/68

- sign 204.246+/-0.036 χ^2/NDF: 7311923.2/34



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

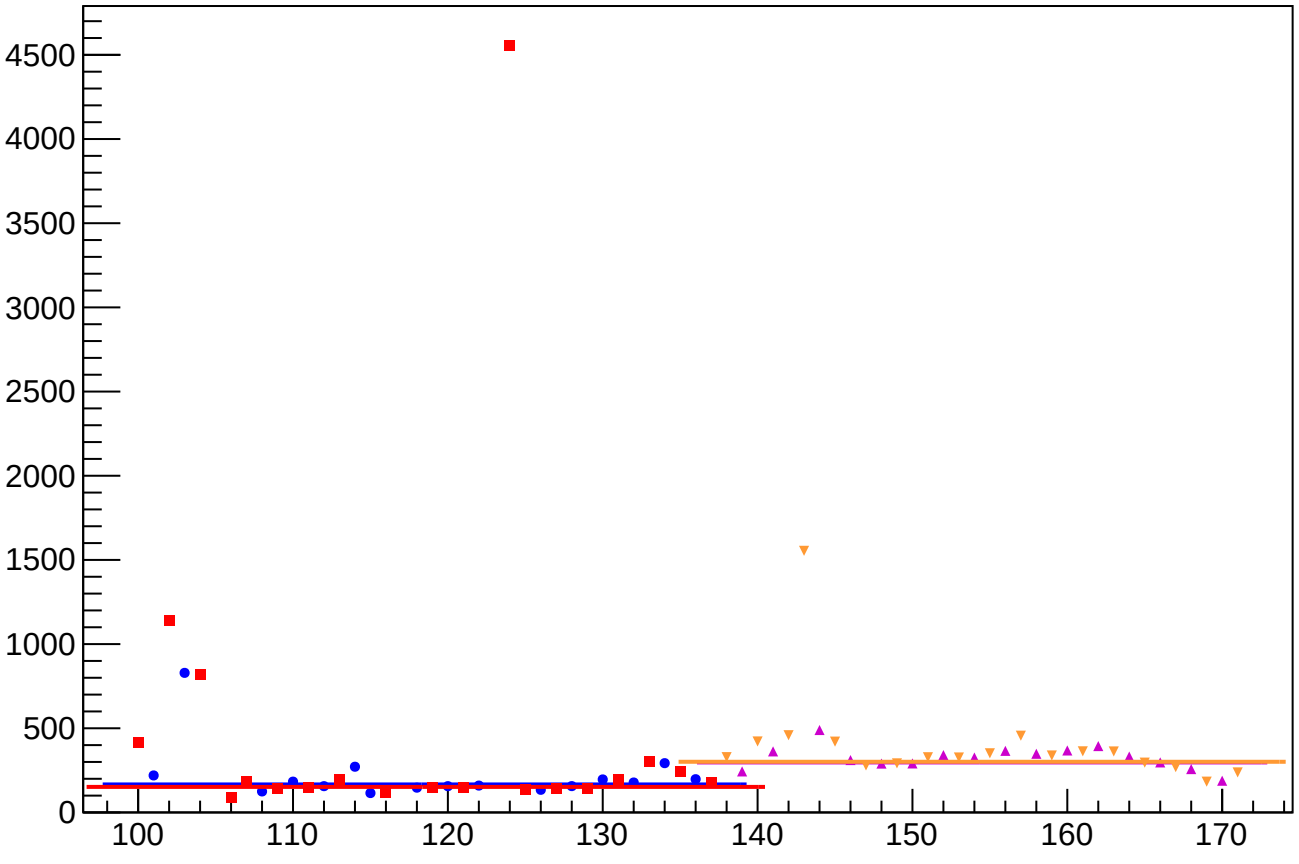
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.071+/-0.085 χ^2/NDF:24.1/15

+ sign -0.053+/-0.052 χ^2/NDF: 41.9/33

All: -0.022+/-0.037 χ^2/NDF: 95.2/68

- sign 0.007+/-0.051 χ^2/NDF: 52.6/34



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 301.035+/-0.060 χ^2/NDF:2586225.5/17

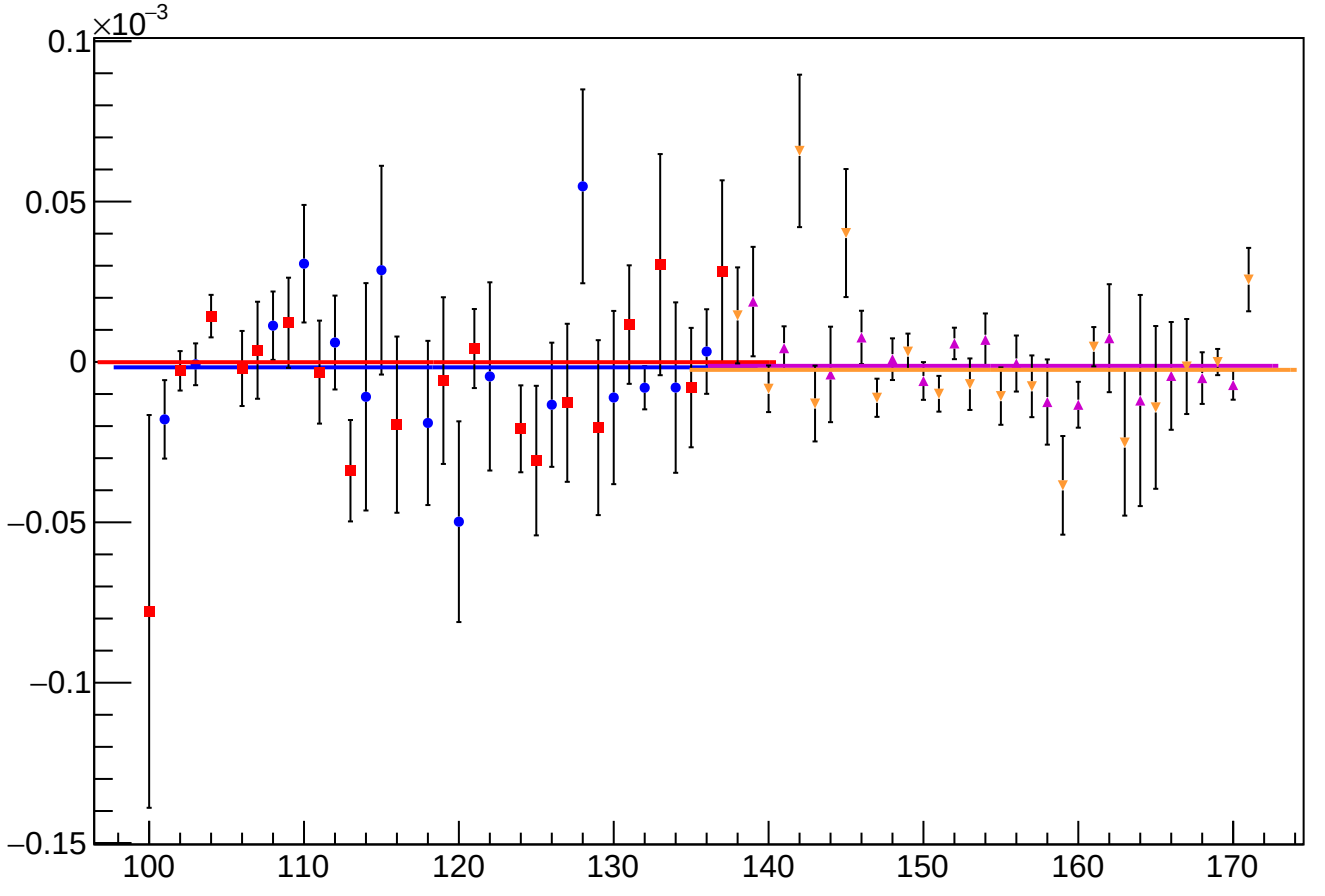
Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 297.047+/-0.060 χ^2/NDF:1278508.3/15

+ sign 217.803+/-0.037 χ^2/NDF: 6980901.6/33

All: 210.857+/-0.026 χ^2/NDF: 14361272.9/68

- sign 204.246+/-0.036 χ^2/NDF: 7311923.2/34



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/17

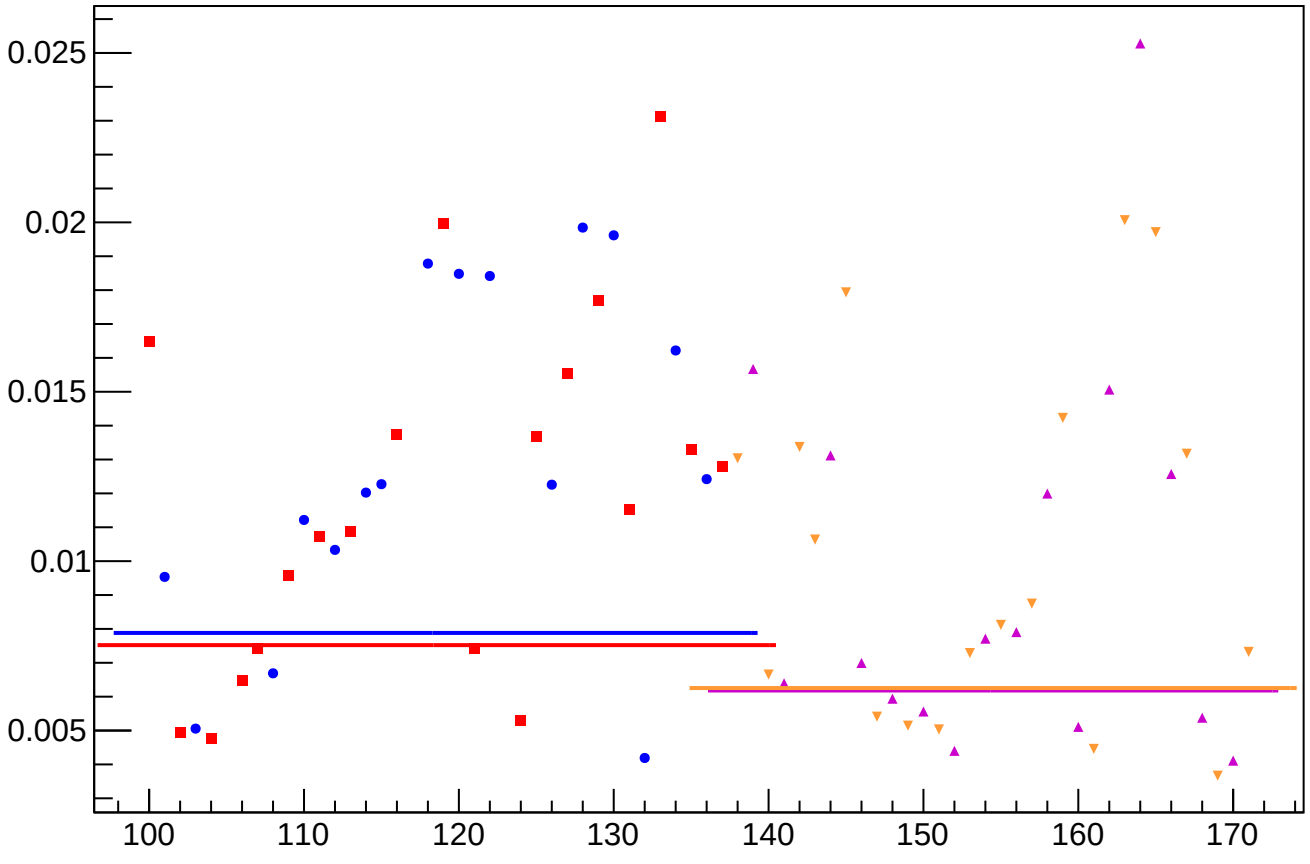
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/33

All: -0.000+/-0.000 χ^2/NDF: 87.2/68

- sign -0.000+/-0.000 χ^2/NDF: 32.9/34



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5294501.0/17

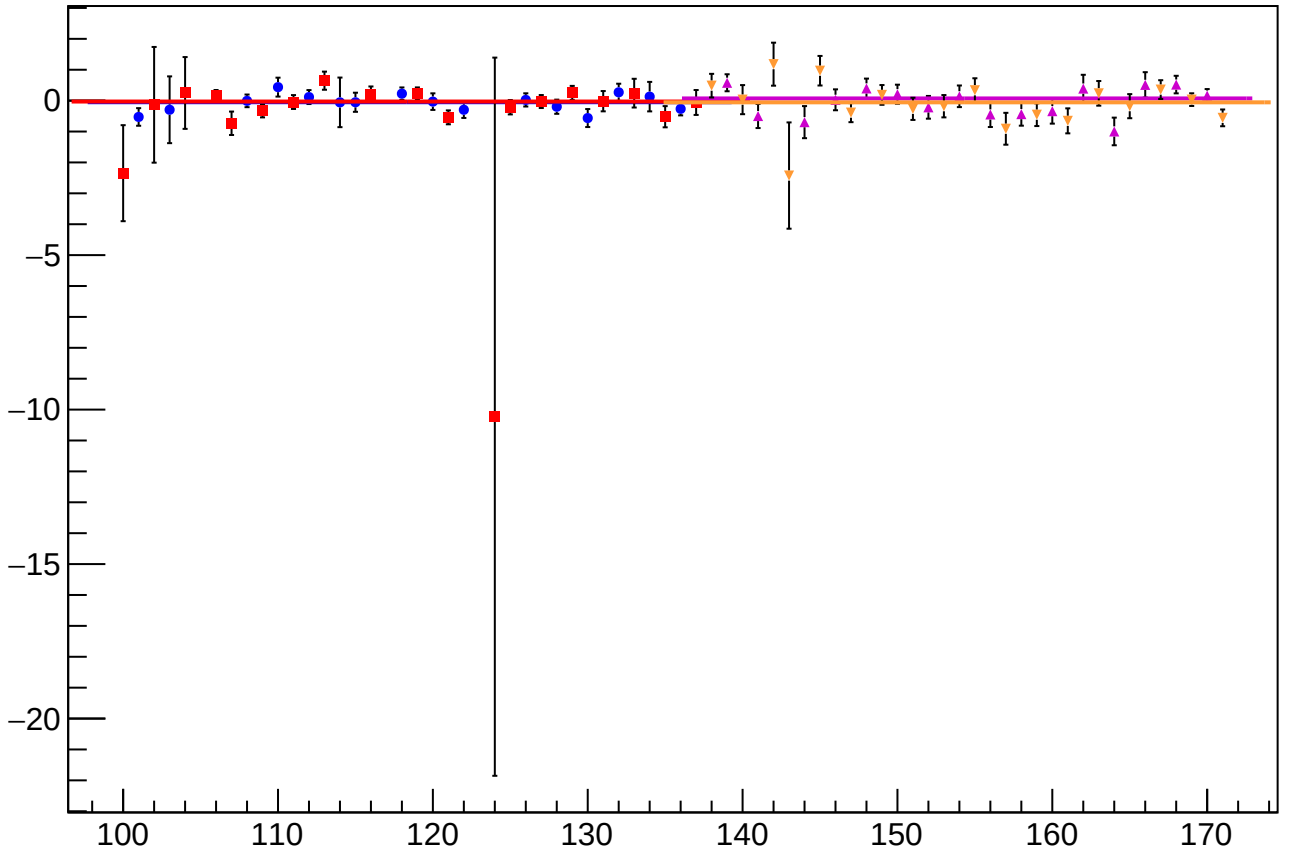
Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:3887828.6/15

+ sign 0.007+/-0.000 χ^2/NDF: 8944487.1/33

All: 0.007+/-0.000 χ^2/NDF: 16073169.6/68

- sign 0.007+/-0.000 χ^2/NDF: 7125897.9/34



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

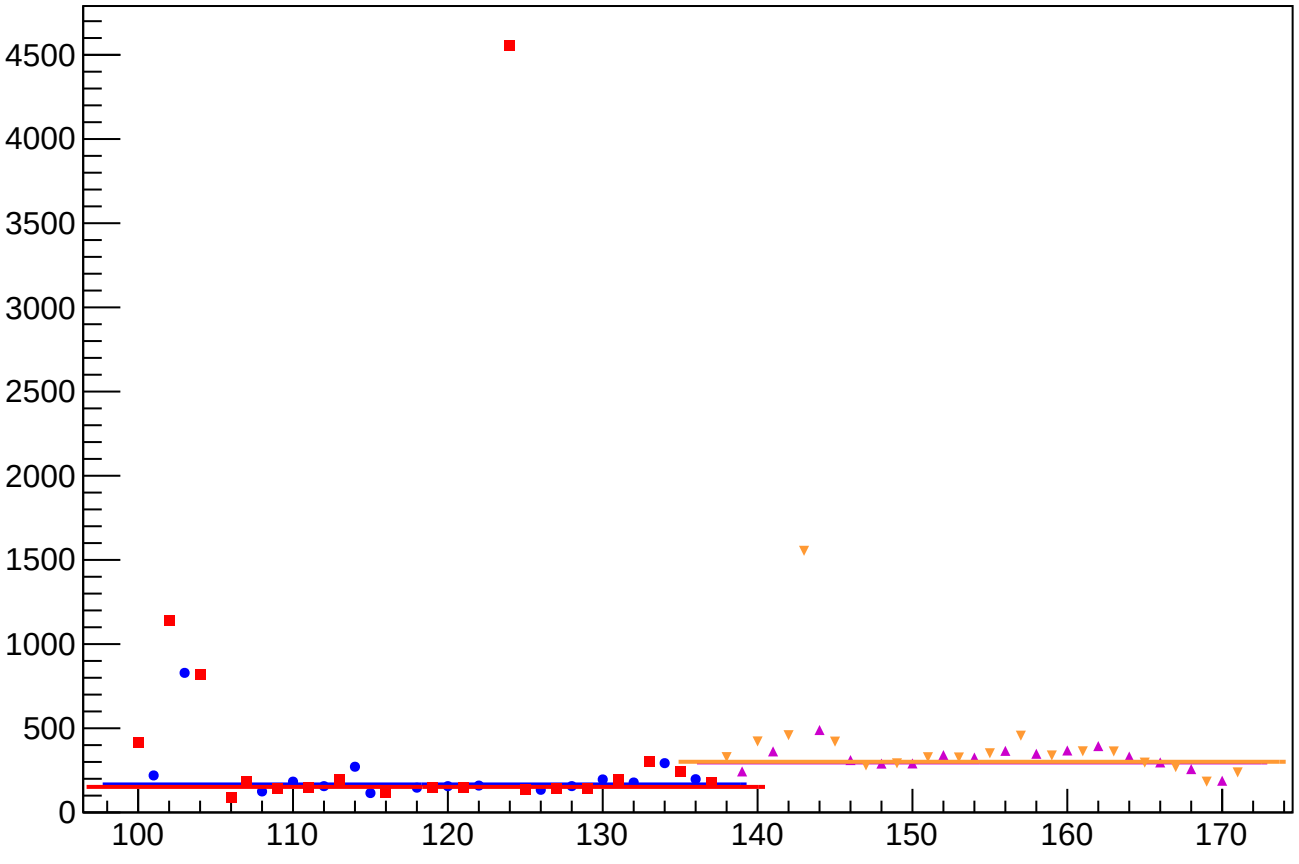
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.071+/-0.085 χ^2/NDF:24.1/15

+ sign -0.053+/-0.052 χ^2/NDF: 41.9/33

All: -0.022+/-0.037 χ^2/NDF: 95.2/68

- sign 0.007+/-0.051 χ^2/NDF: 52.6/34



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 301.037+/-0.060 χ^2/NDF:2586333.5/17

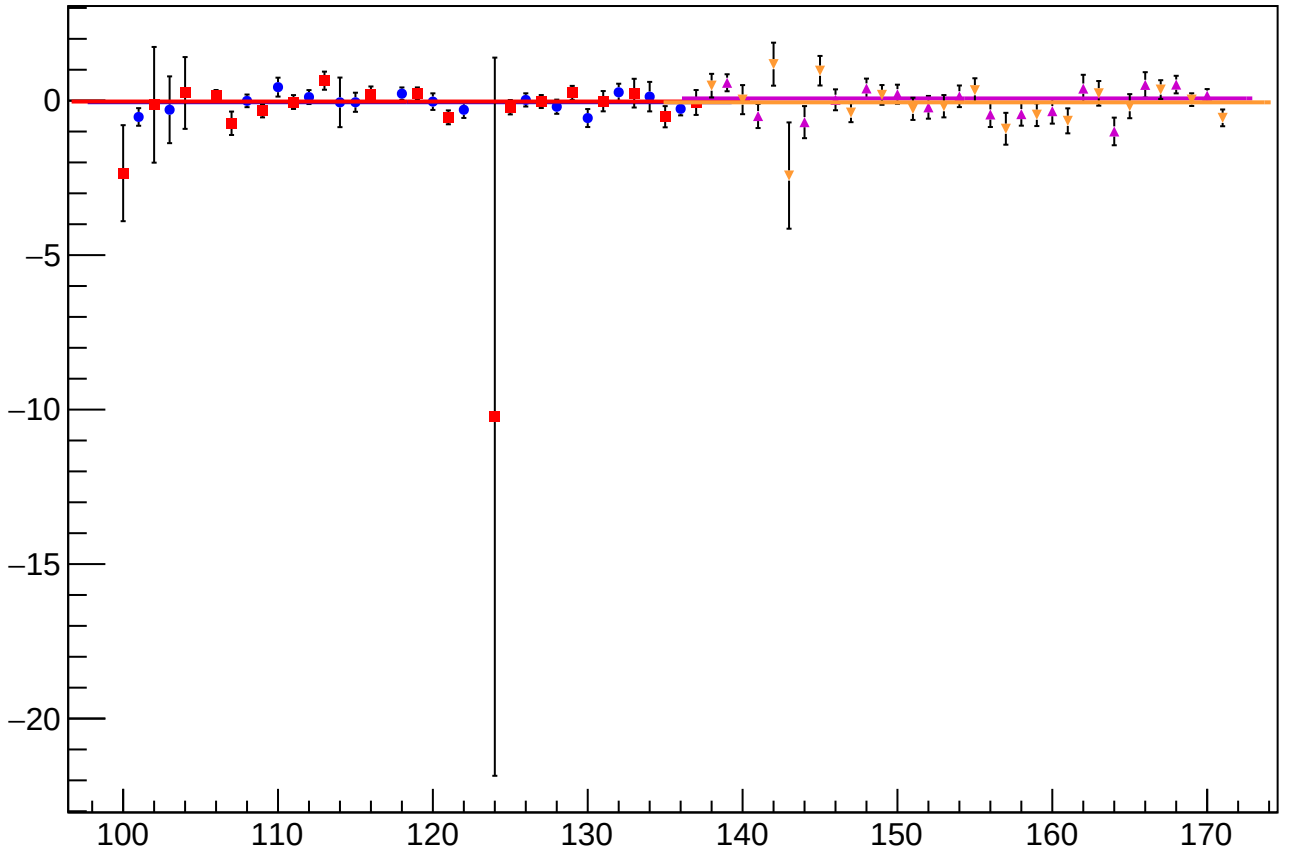
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 297.050+/-0.060 χ^2/NDF:1278542.0/15

+ sign 217.803+/-0.037 χ^2/NDF: 6981094.4/33

All: 210.856+/-0.026 χ^2/NDF: 14361720.7/68

- sign 204.245+/-0.036 χ^2/NDF: 7312174.8/34



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

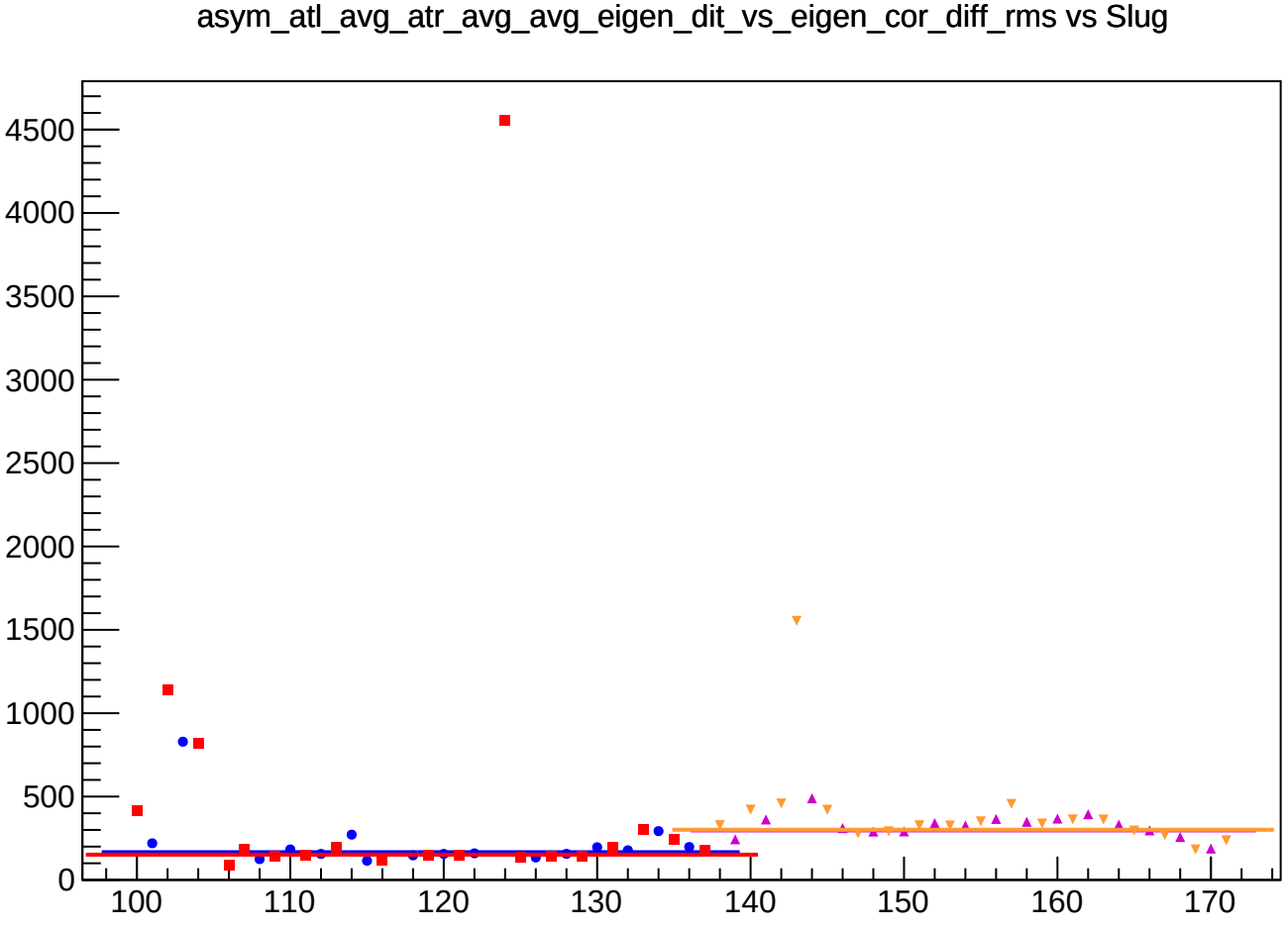
Right Out: -0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.071+/-0.085 χ^2/NDF:24.1/15

+ sign -0.053+/-0.052 χ^2/NDF: 41.9/33

All: -0.022+/-0.037 χ^2/NDF: 95.2/68

- sign 0.007+/-0.051 χ^2/NDF: 52.6/34



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 301.037+/-0.060 χ^2/NDF:2586333.5/17

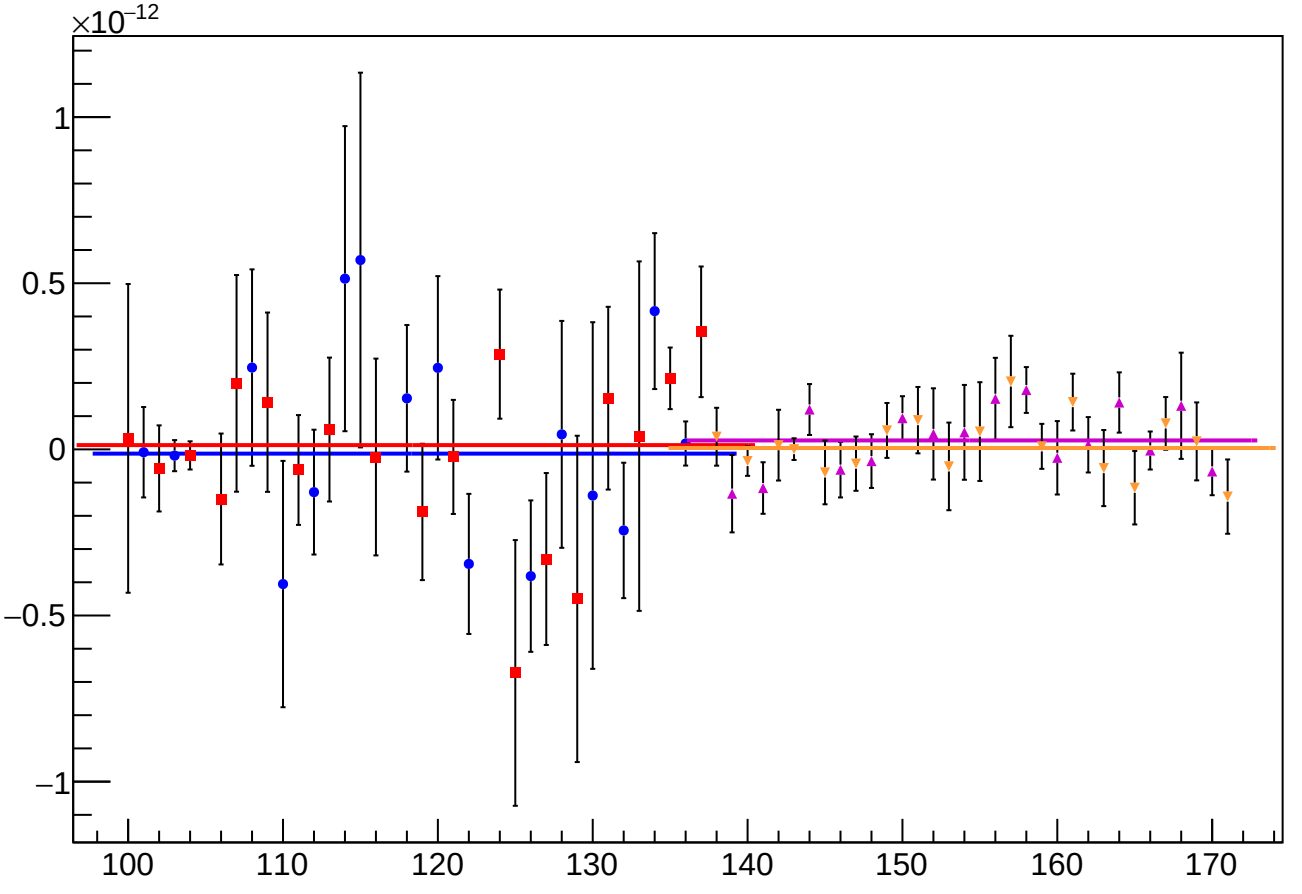
Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 297.050+/-0.060 χ^2/NDF:1278542.0/15

+ sign 217.803+/-0.037 χ^2/NDF: 6981094.4/33

All: 210.856+/-0.026 χ^2/NDF: 14361720.7/68

- sign 204.245+/-0.036 χ^2/NDF: 7312174.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/17

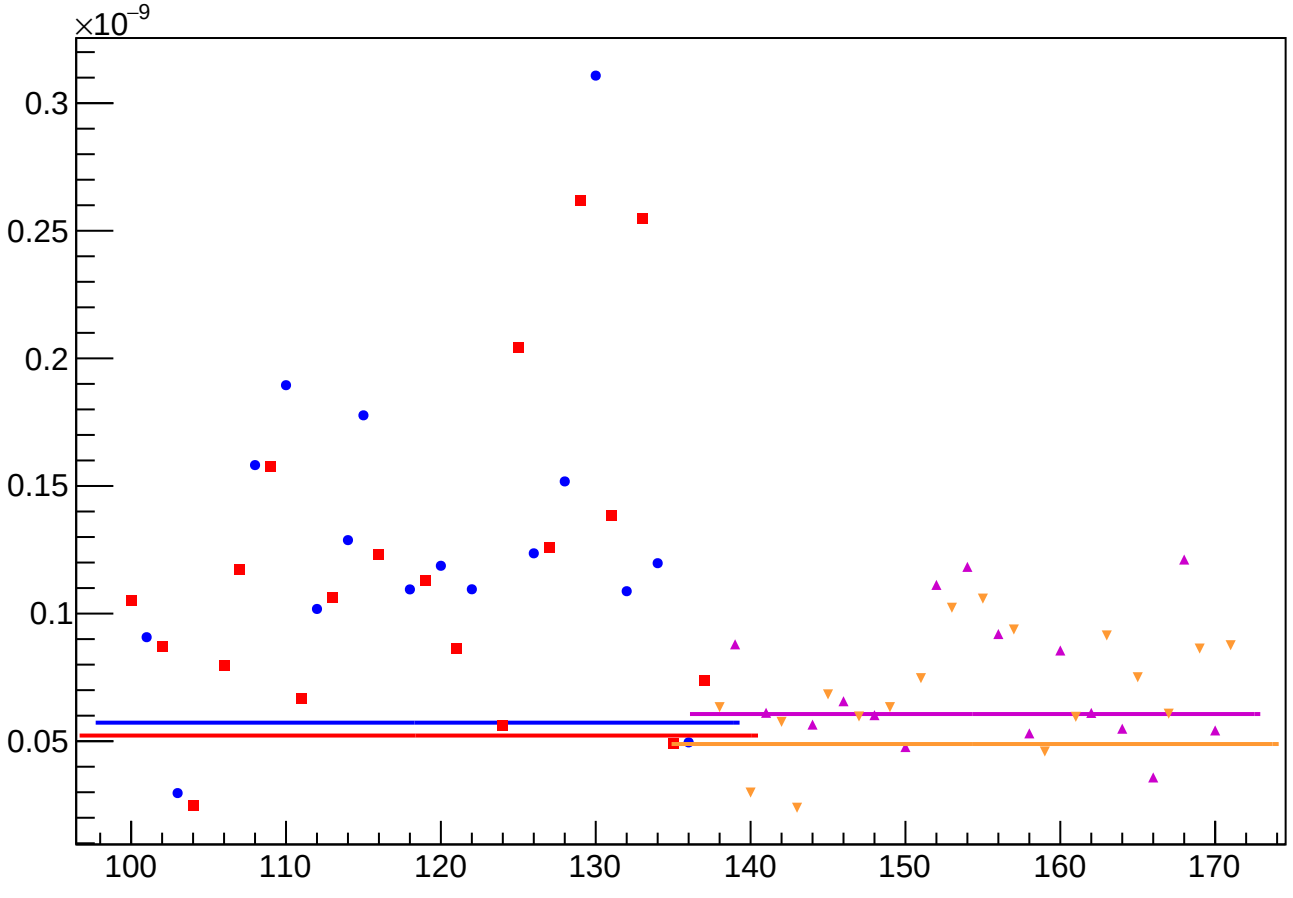
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 28.4/33

All: 0.000+/-0.000 χ^2/NDF: 68.0/68

- sign 0.000+/-0.000 χ^2/NDF: 38.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3660915.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

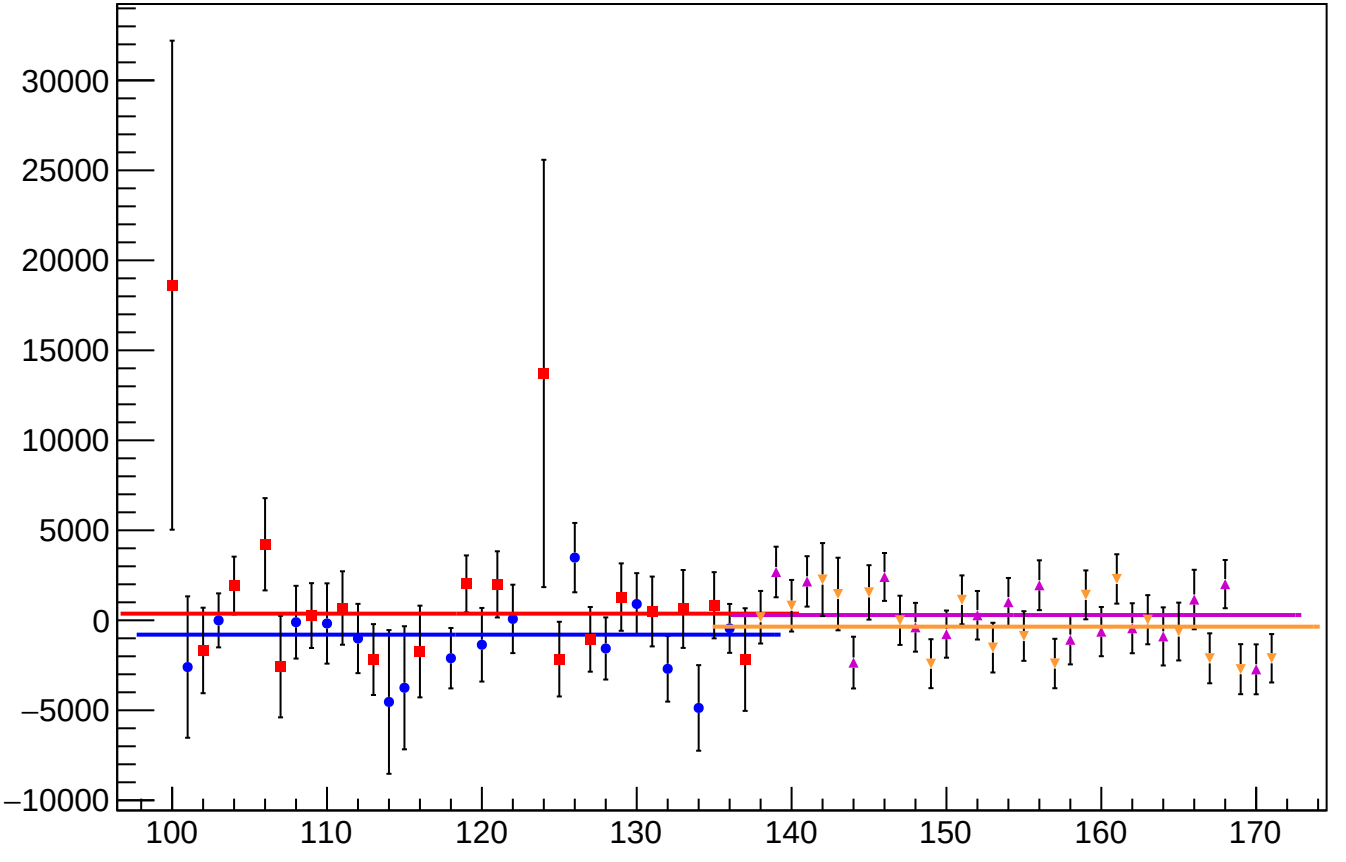
Left In: 0.000+/-0.000 χ^2/NDF:1741040.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 6743987.9/33

All: 0.000+/-0.000 χ^2/NDF: 12057580.1/68

- sign 0.000+/-0.000 χ^2/NDF: 5127143.1/34

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -353.302+/-339.646 χ^2/NDF:23.2/17

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

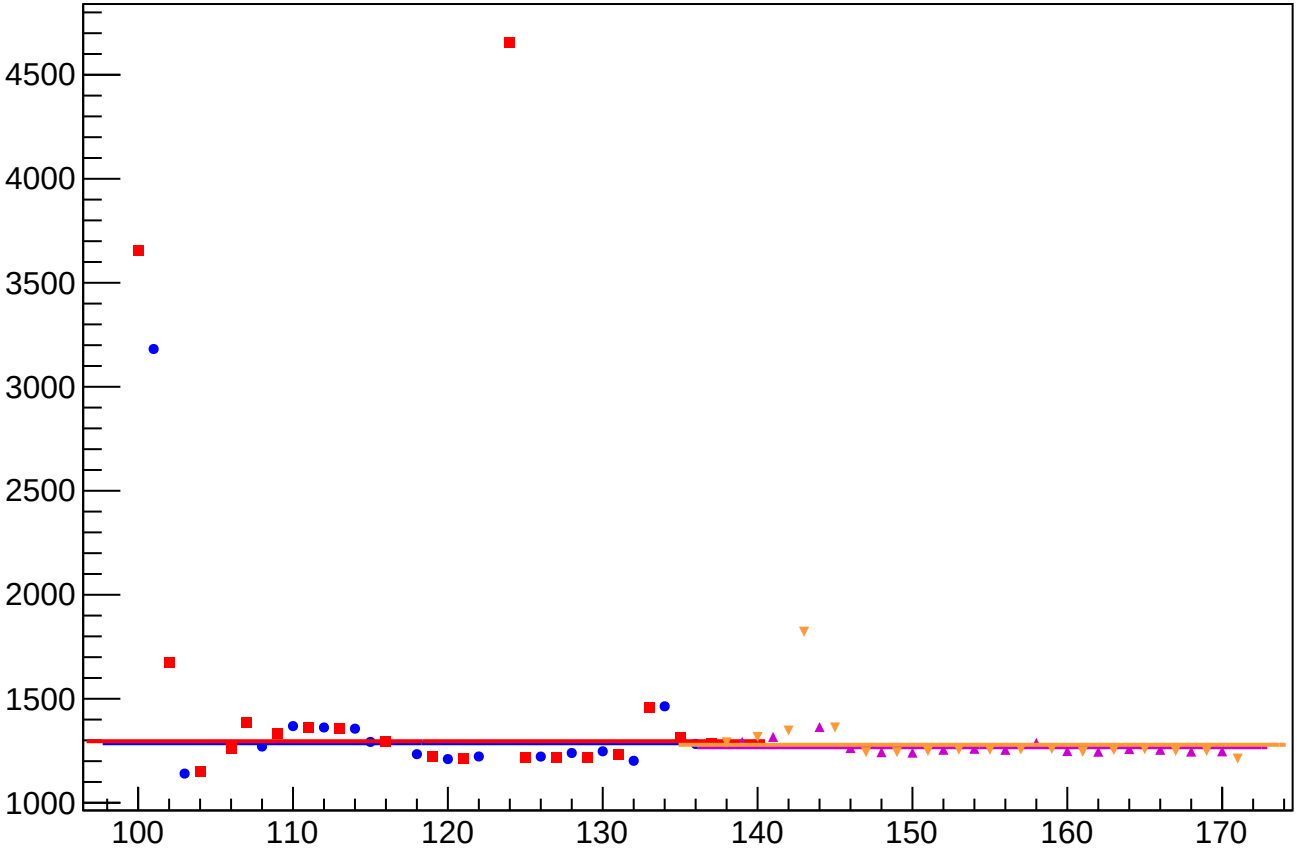
Left In: 292.459+/-348.528 χ^2/NDF:22.1/15

+ sign -498.406+/-278.670 χ^2/NDF: 37.2/33

All: -96.375+/-198.629 χ^2/NDF: 79.2/68

- sign 318.810+/-283.192 χ^2/NDF: 37.8/34

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

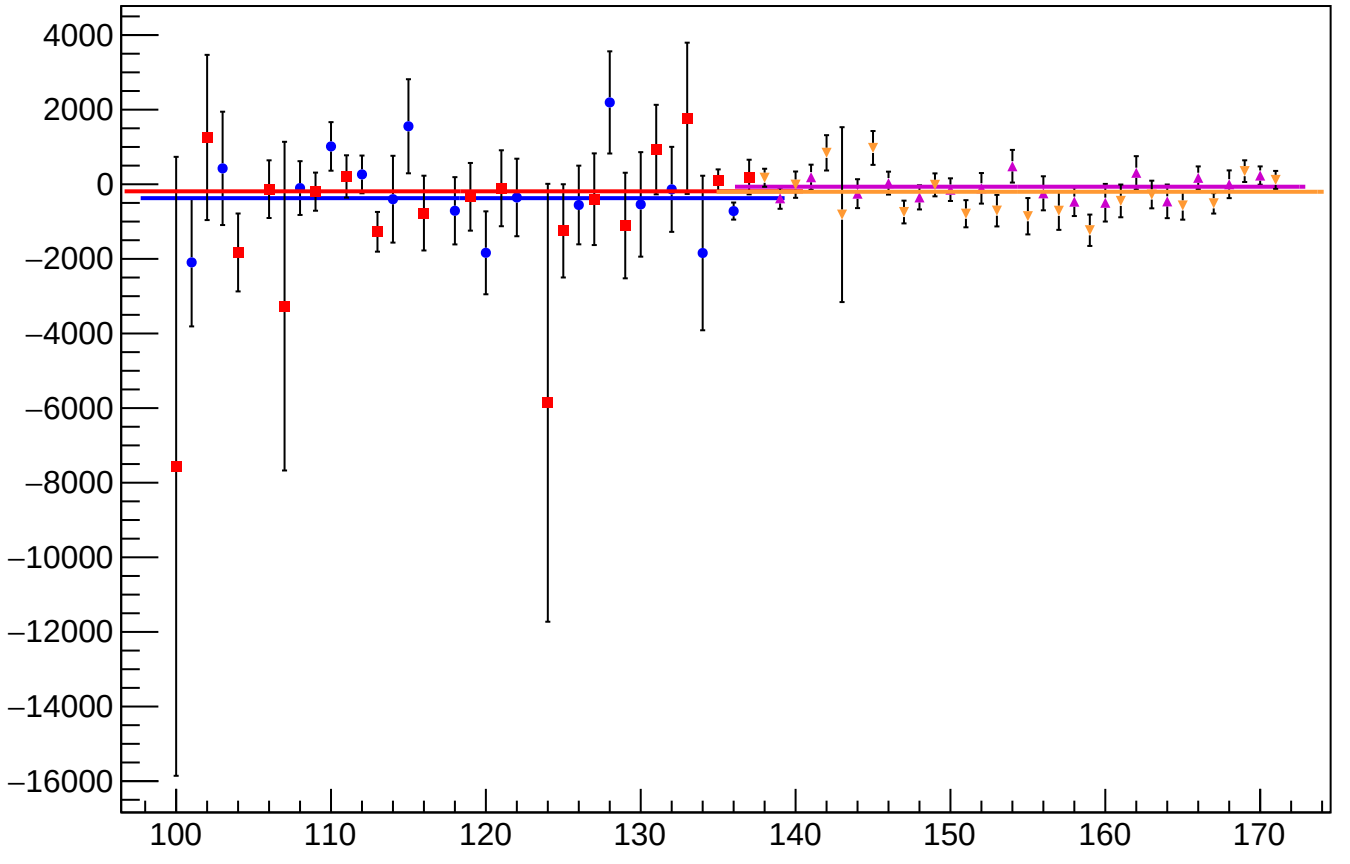
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688441.1/33

All: 1278.990+/-0.140 χ^2/NDF: 1037982.6/68

- sign 1276.770+/-0.200 χ^2/NDF: 349299.5/34



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -201.069+/-83.193 χ^2/NDF:38.7/17

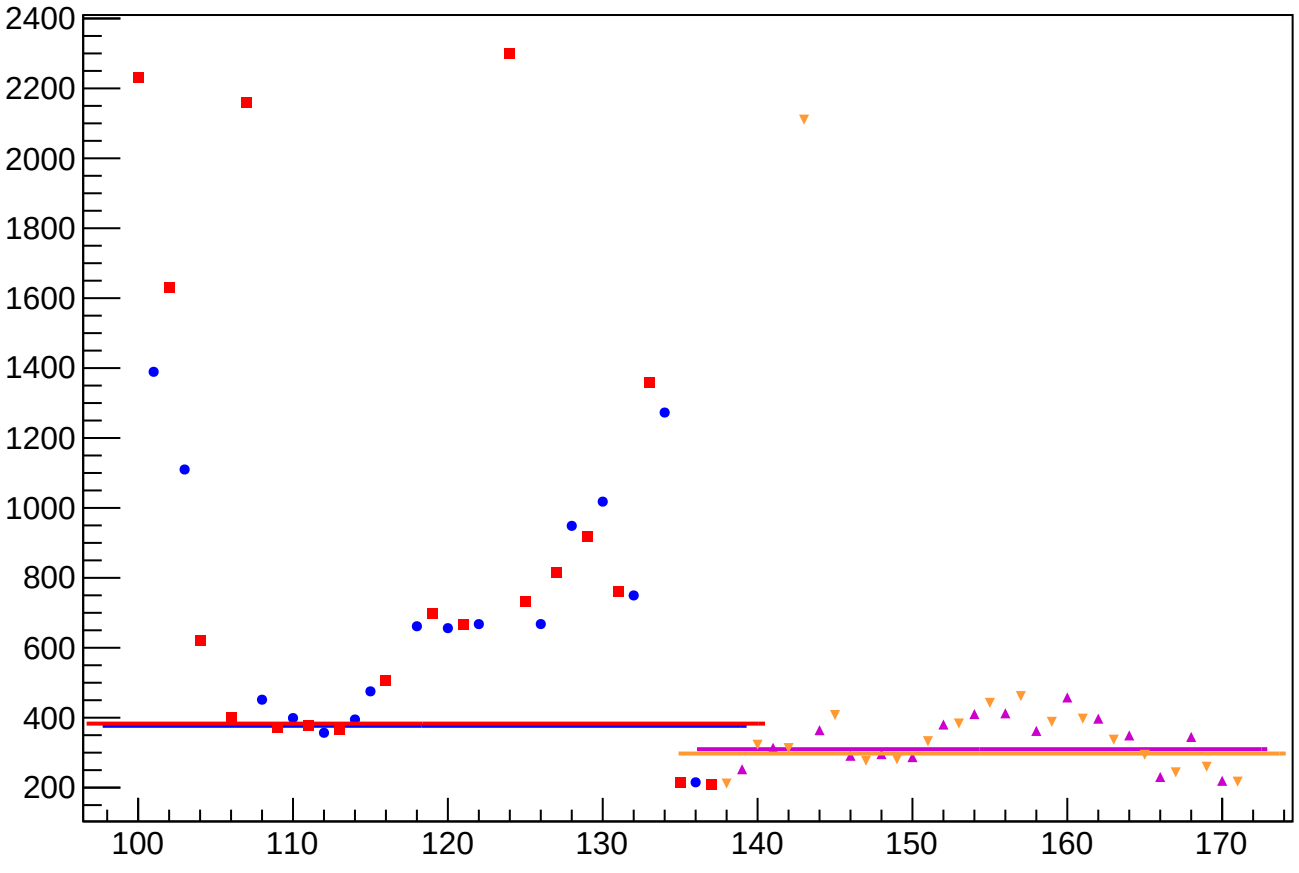
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -65.682+/-87.584 χ^2/NDF:10.1/15

+ sign -234.729+/-74.570 χ^2/NDF: 57.6/33

All: -166.232+/-53.841 χ^2/NDF: 84.6/68

- sign -91.639+/-77.818 χ^2/NDF: 25.2/34



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 297.487+/-0.059 χ^2/NDF:2630093.9/17

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

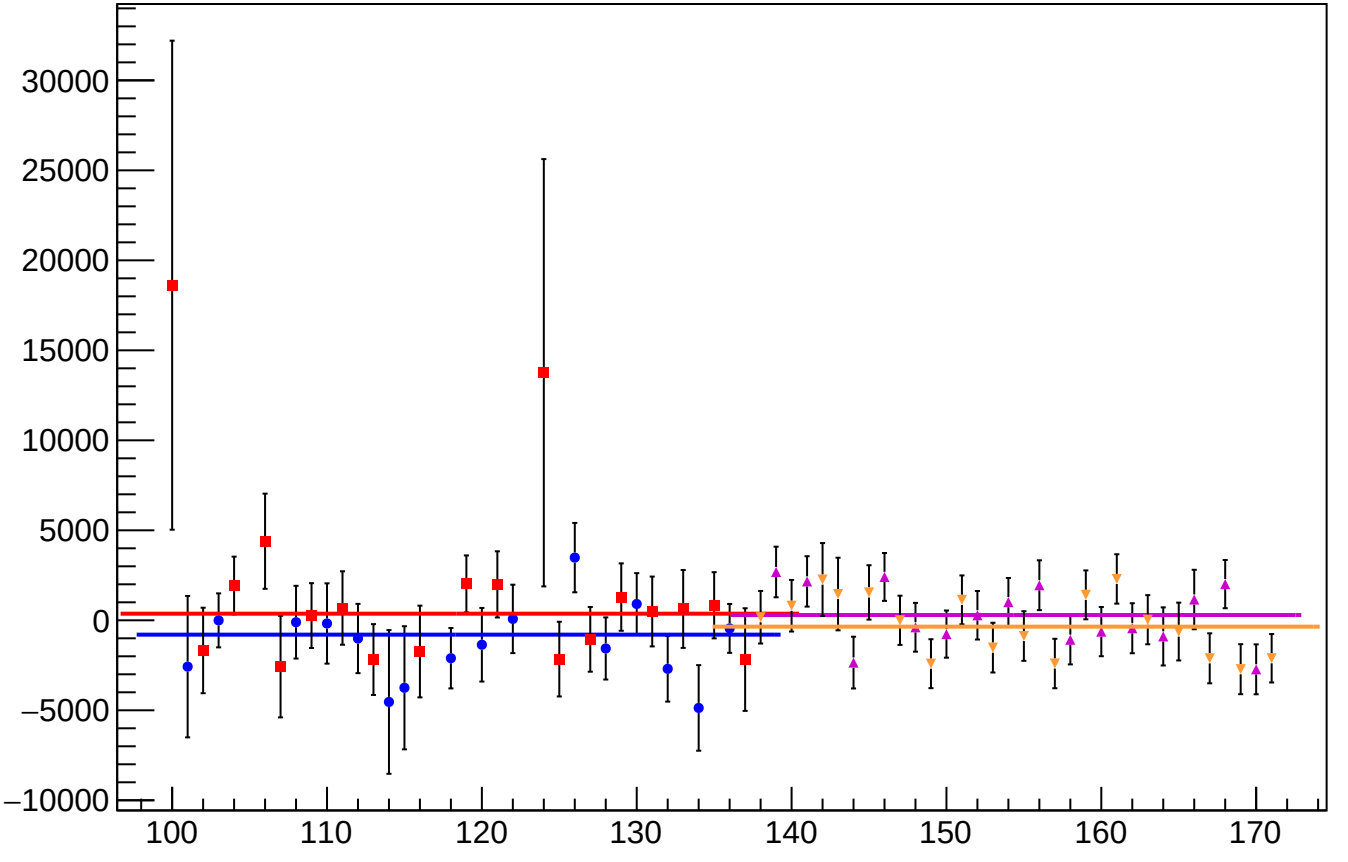
Left In: 309.914+/-0.062 χ^2/NDF:1138157.2/15

+ sign 313.094+/-0.053 χ^2/NDF: 7178401.1/33

All: 318.947+/-0.038 χ^2/NDF: 12690288.4/68

- sign 325.320+/-0.055 χ^2/NDF: 5486150.9/34

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

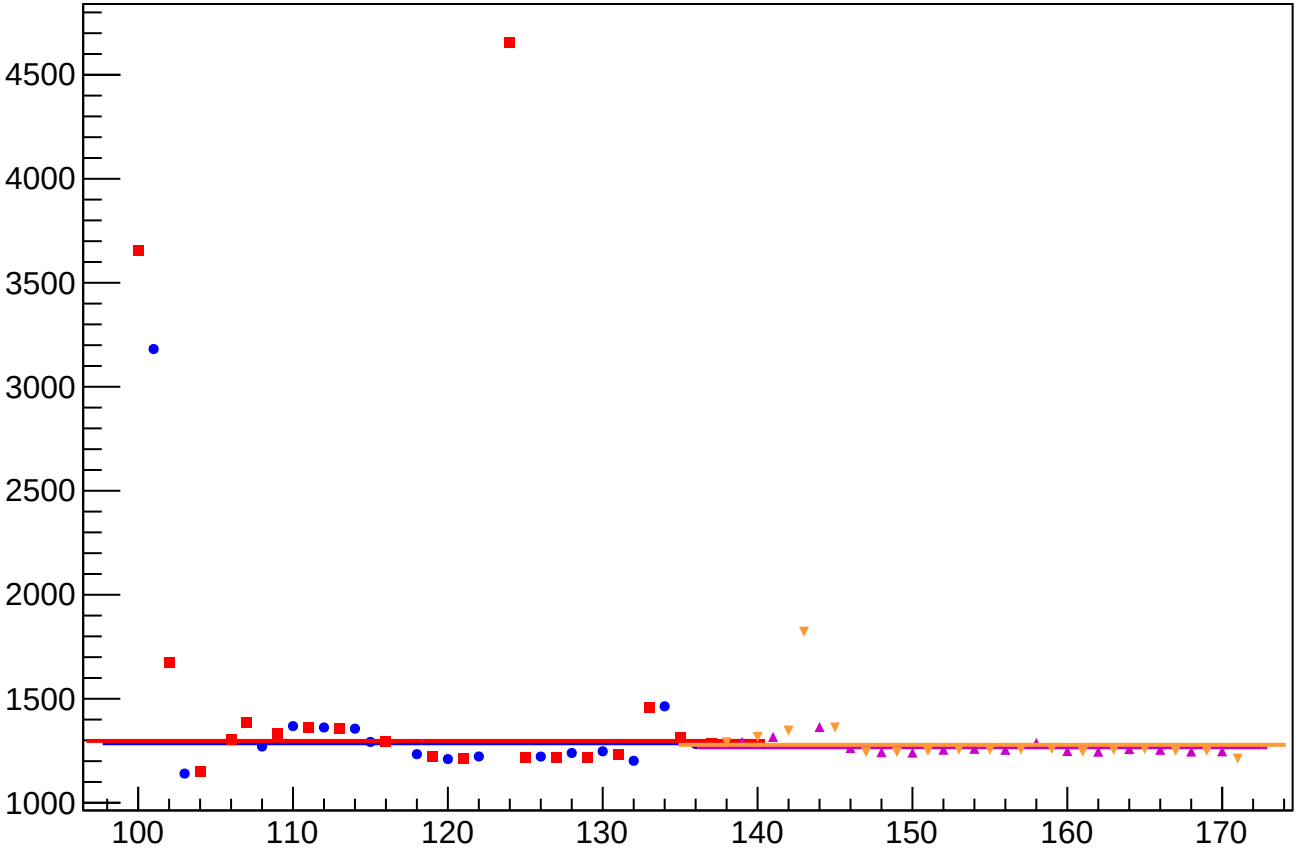
Left In: 292.412+/-348.528 χ^2/NDF:22.1/15

+ sign -498.230+/-278.670 χ^2/NDF: 37.2/33

All: -96.891+/-198.665 χ^2/NDF: 79.2/68

- sign 317.881+/-283.295 χ^2/NDF: 37.8/34

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

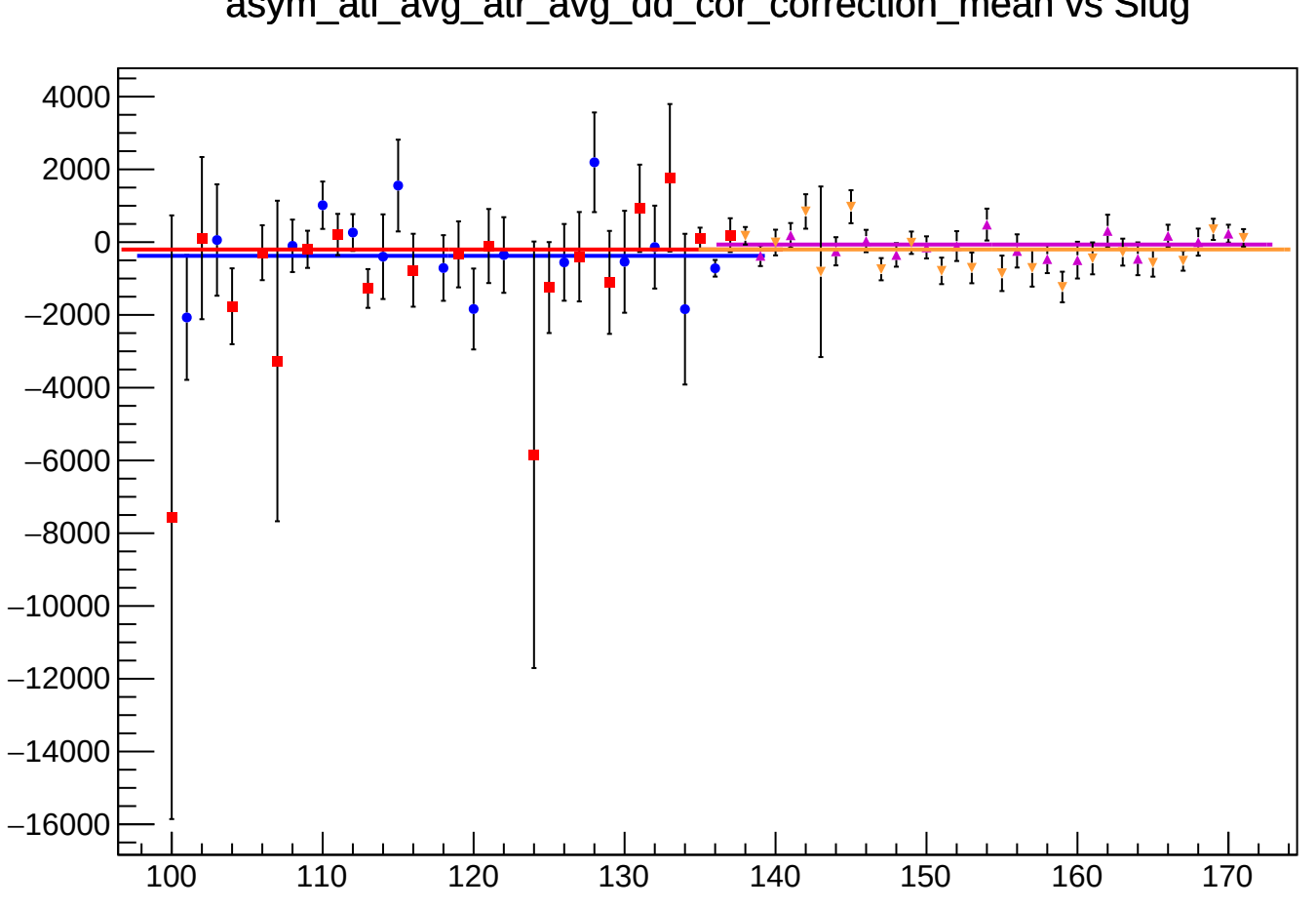
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688442.5/33

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

- sign 1277.248+/-0.200 χ^2/NDF: 349447.2/34



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -201.059+/-83.195 χ^2/NDF:38.6/17

Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

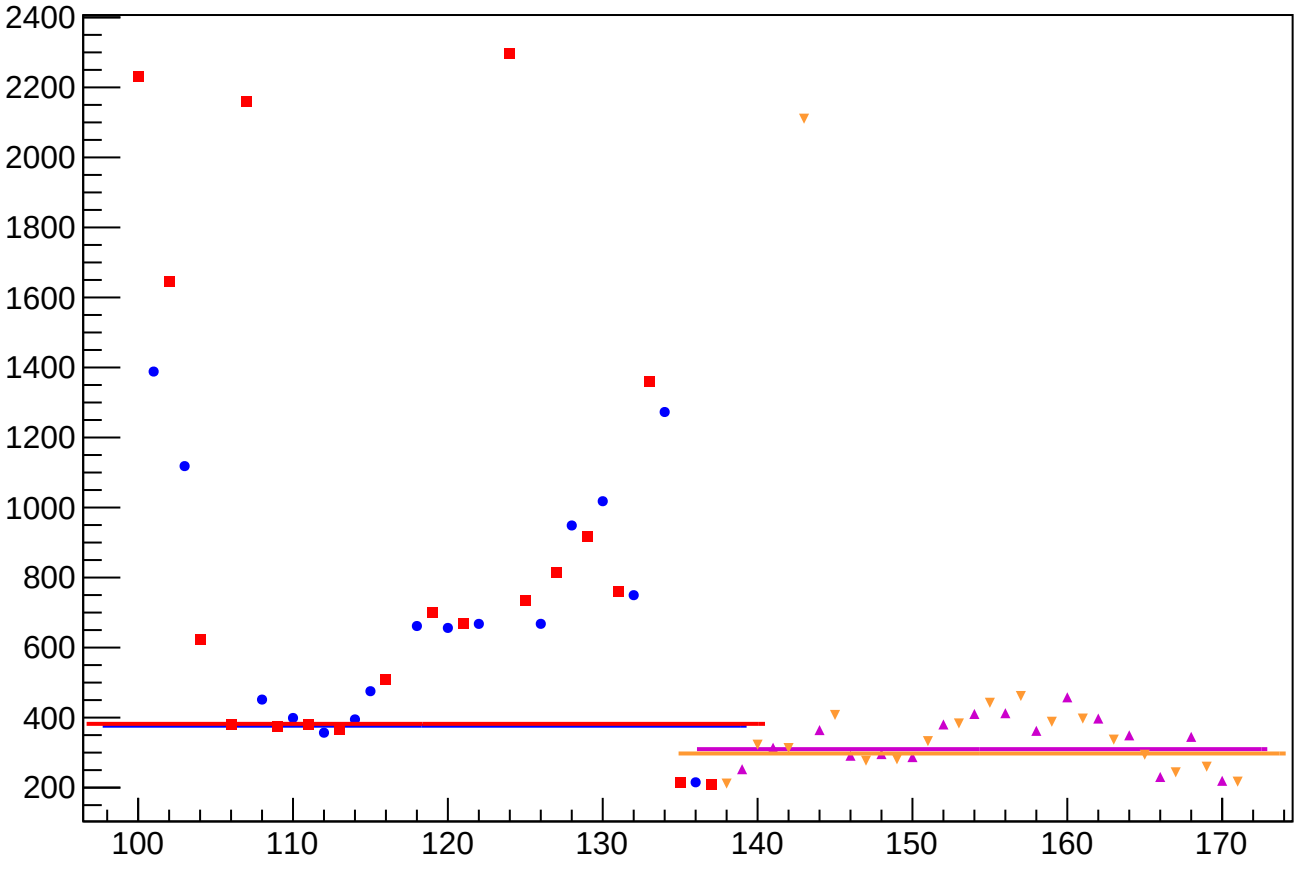
Left In: -65.696+/-87.584 χ^2/NDF:10.1/15

+ sign -235.589+/-74.573 χ^2/NDF: 57.5/33

All: -168.022+/-53.835 χ^2/NDF: 83.8/68

- sign -94.483+/-77.799 χ^2/NDF: 24.7/34

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

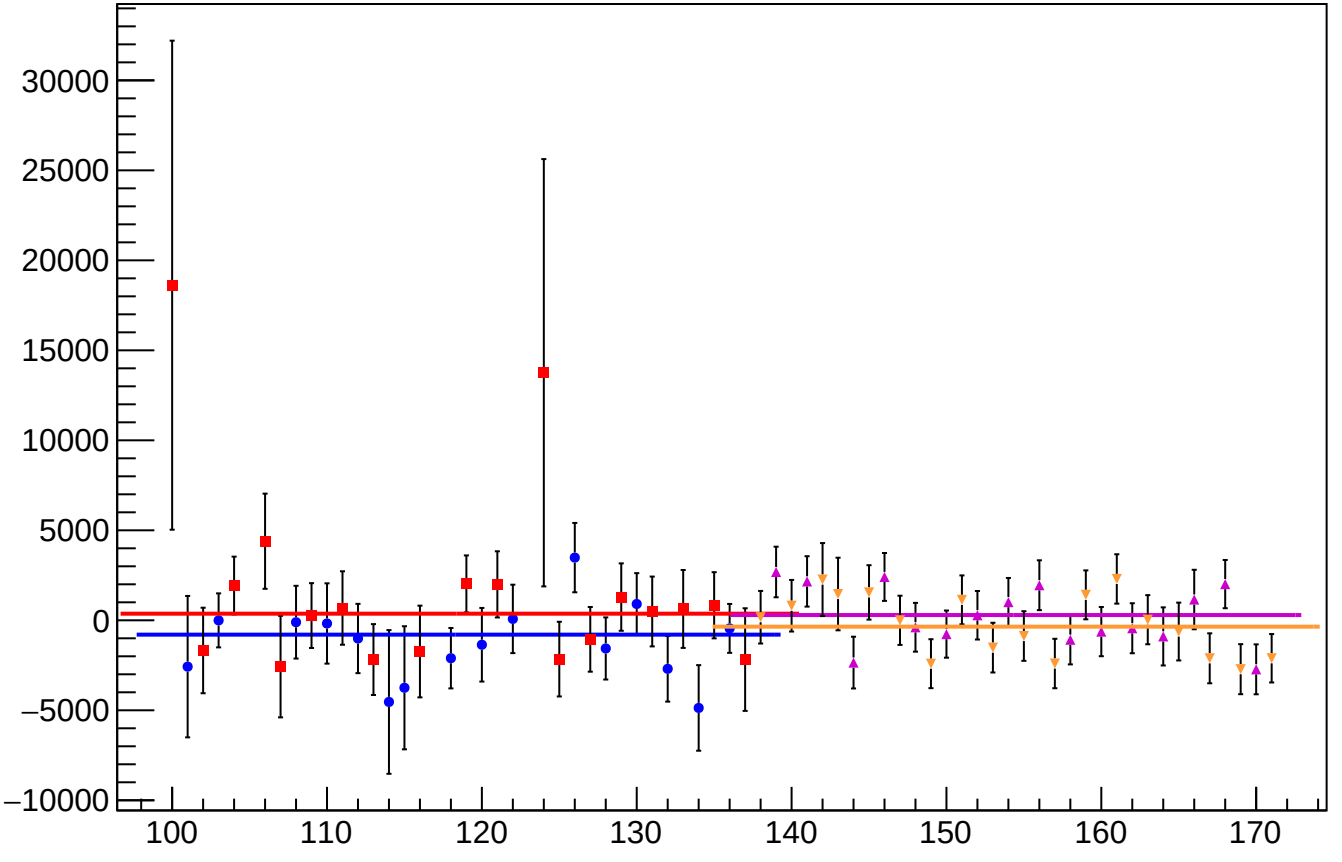
Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

+ sign 313.097+/-0.053 χ^2/NDF: 7181151.4/33

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68

- sign 325.151+/-0.055 χ^2/NDF: 5484804.6/34

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

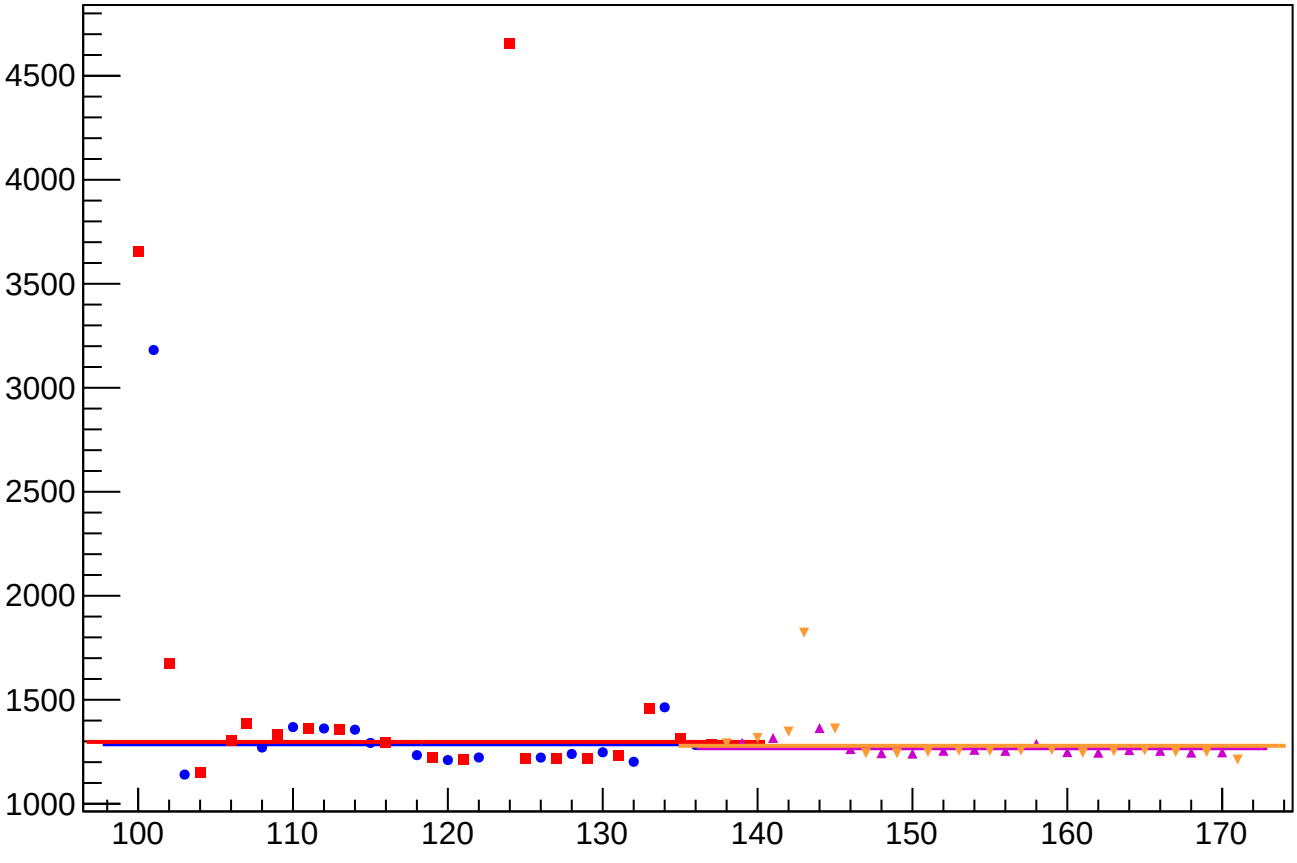
Left In: 292.412+/-348.528 χ^2/NDF:22.1/15

+ sign -498.230+/-278.670 χ^2/NDF: 37.2/33

All: -96.891+/-198.665 χ^2/NDF: 79.2/68

- sign 317.881+/-283.295 χ^2/NDF: 37.8/34

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: 1278.733+/-0.240 χ^2/NDF:170006.9/17

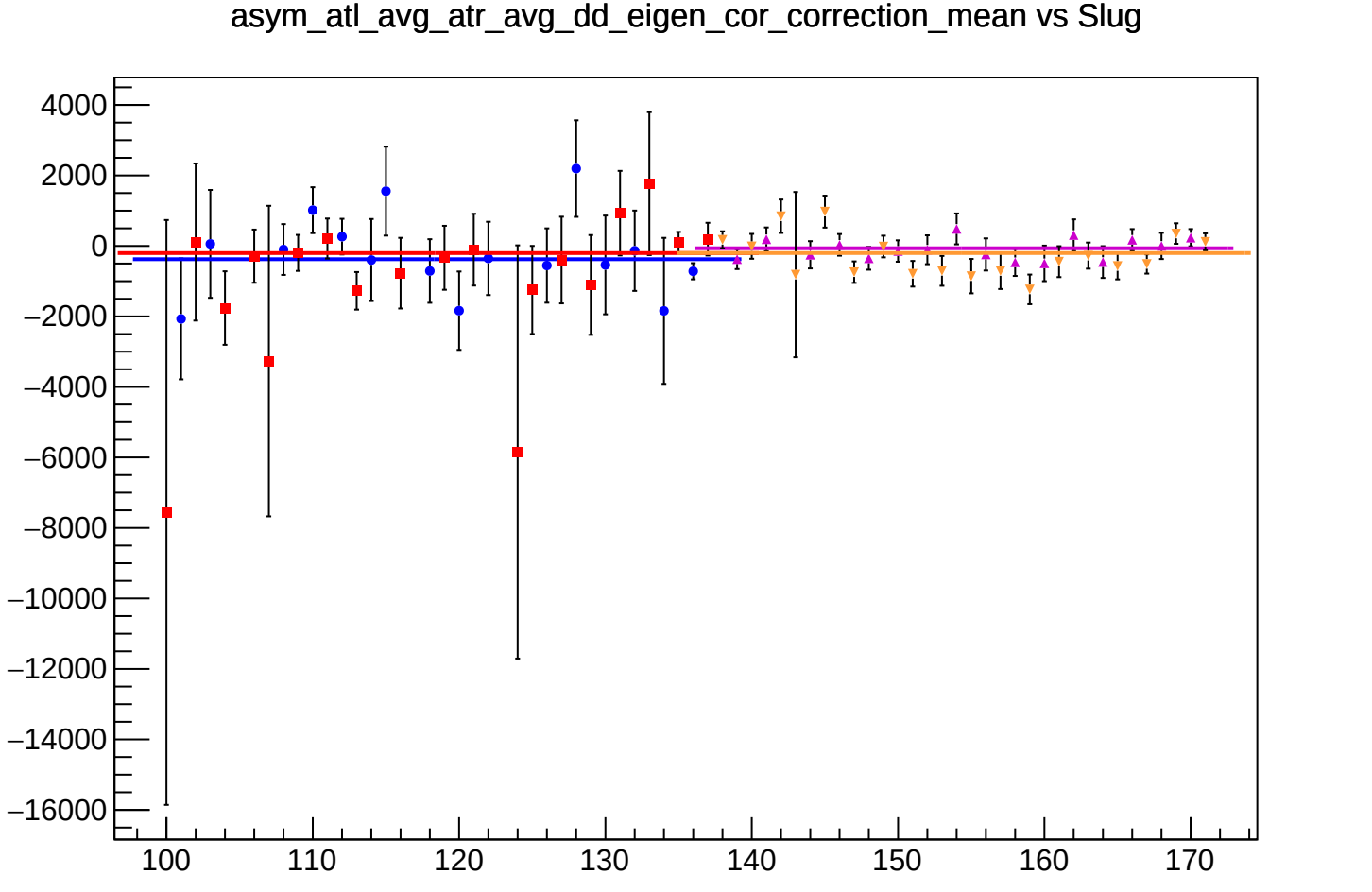
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688442.5/33

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

- sign 1277.248+/-0.200 χ^2/NDF: 349447.2/34



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -201.059+/-83.195 χ^2/NDF:38.6/17

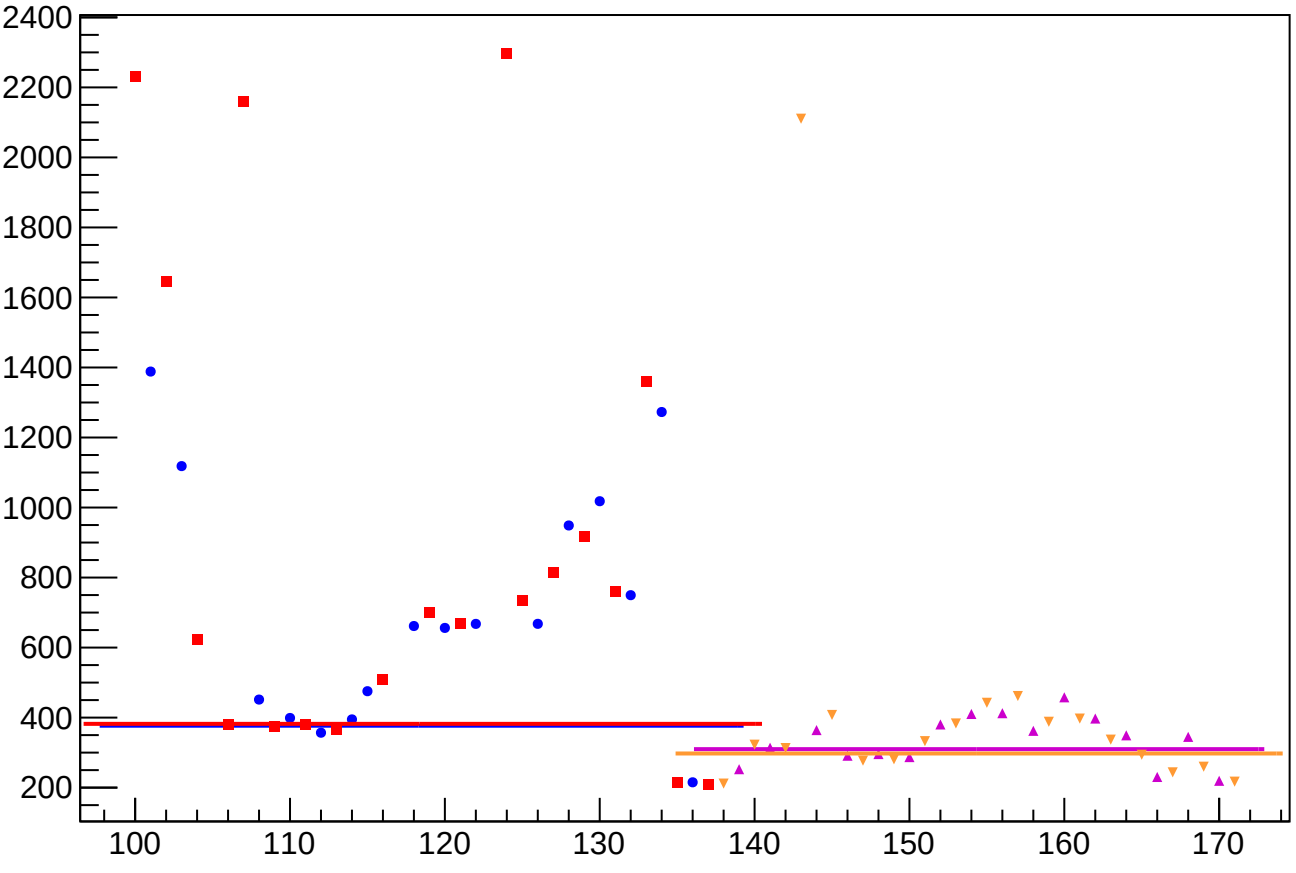
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -65.696+/-87.584 χ^2/NDF:10.1/15

+ sign -235.589+/-74.573 χ^2/NDF: 57.5/33

All: -168.022+/-53.835 χ^2/NDF: 83.8/68

- sign -94.483+/-77.799 χ^2/NDF: 24.7/34



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

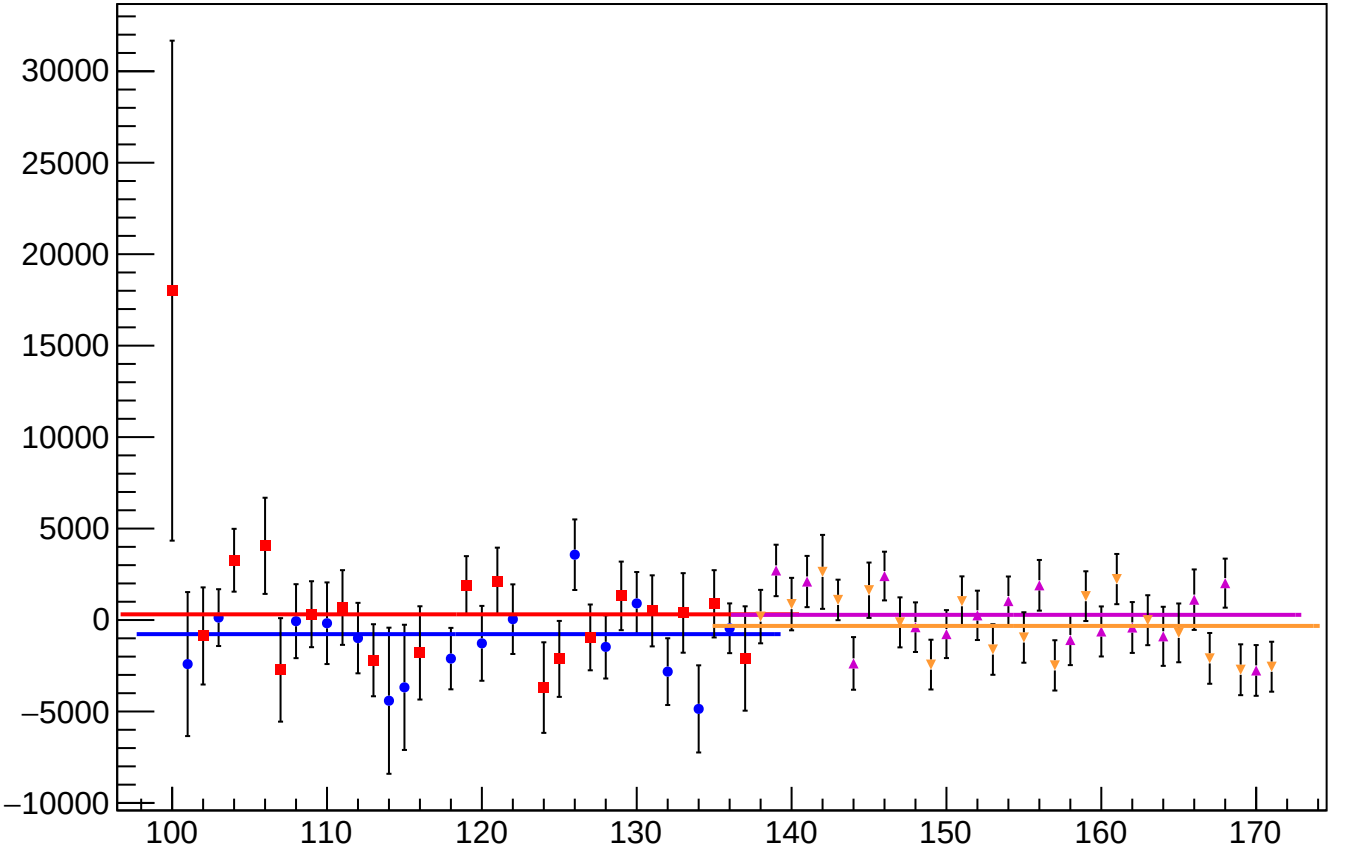
Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

+ sign 313.097+/-0.053 χ^2/NDF: 7181151.4/33

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68

- sign 325.151+/-0.055 χ^2/NDF: 5484804.6/34

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -322.068+/-329.452 χ^2/NDF:25.5/17

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

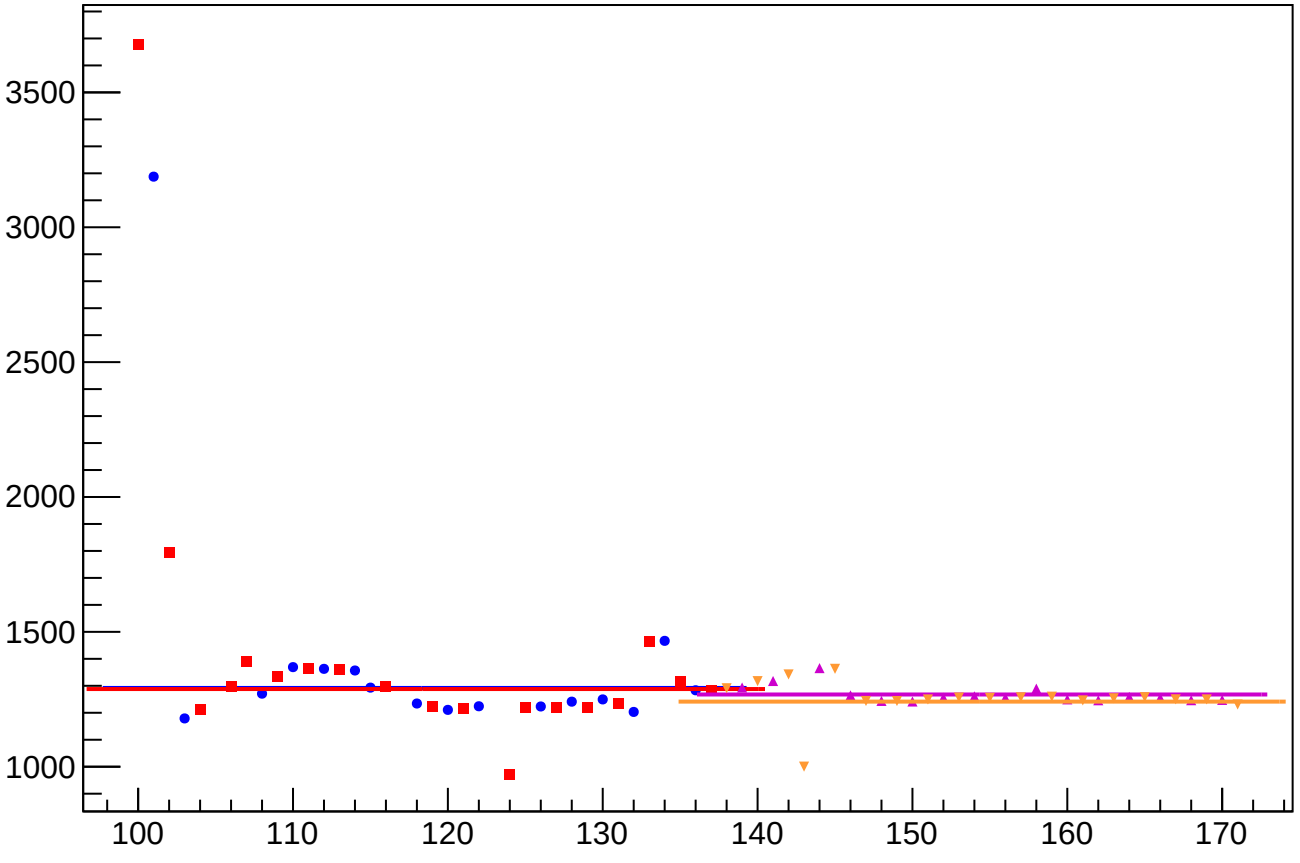
Left In: 283.367+/-348.774 χ^2/NDF:22.1/15

+ sign -462.141+/-273.332 χ^2/NDF: 39.7/33

All: -97.279+/-196.499 χ^2/NDF: 83.4/68

- sign 292.990+/-282.689 χ^2/NDF: 40.1/34

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122422.3/17

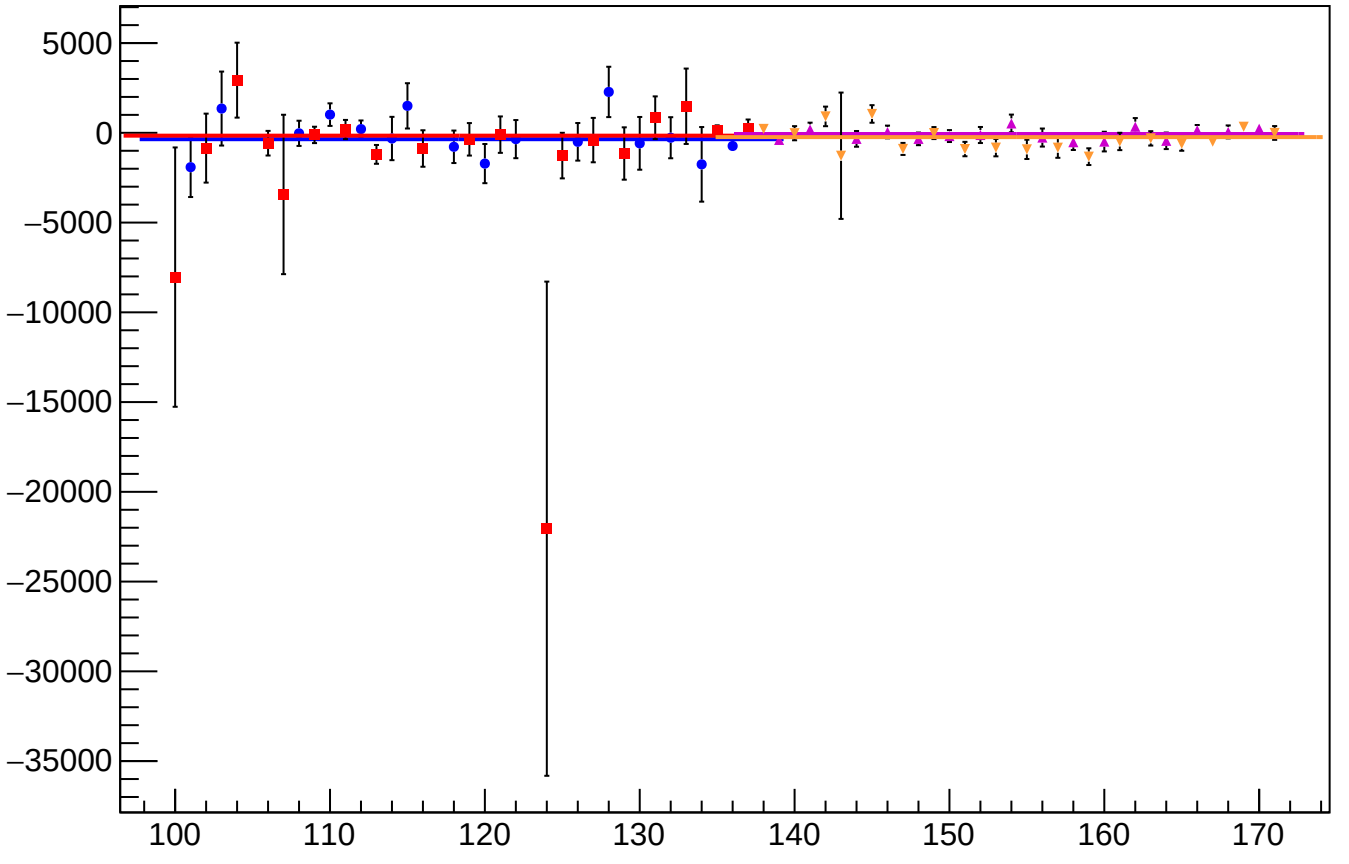
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

+ sign 1257.164+/-0.193 χ^2/NDF: 646570.0/33

All: 1265.647+/-0.139 χ^2/NDF: 878720.4/68

- sign 1274.720+/-0.200 χ^2/NDF: 228163.6/34



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -238.673+/-90.533 χ^2/NDF:38.9/17

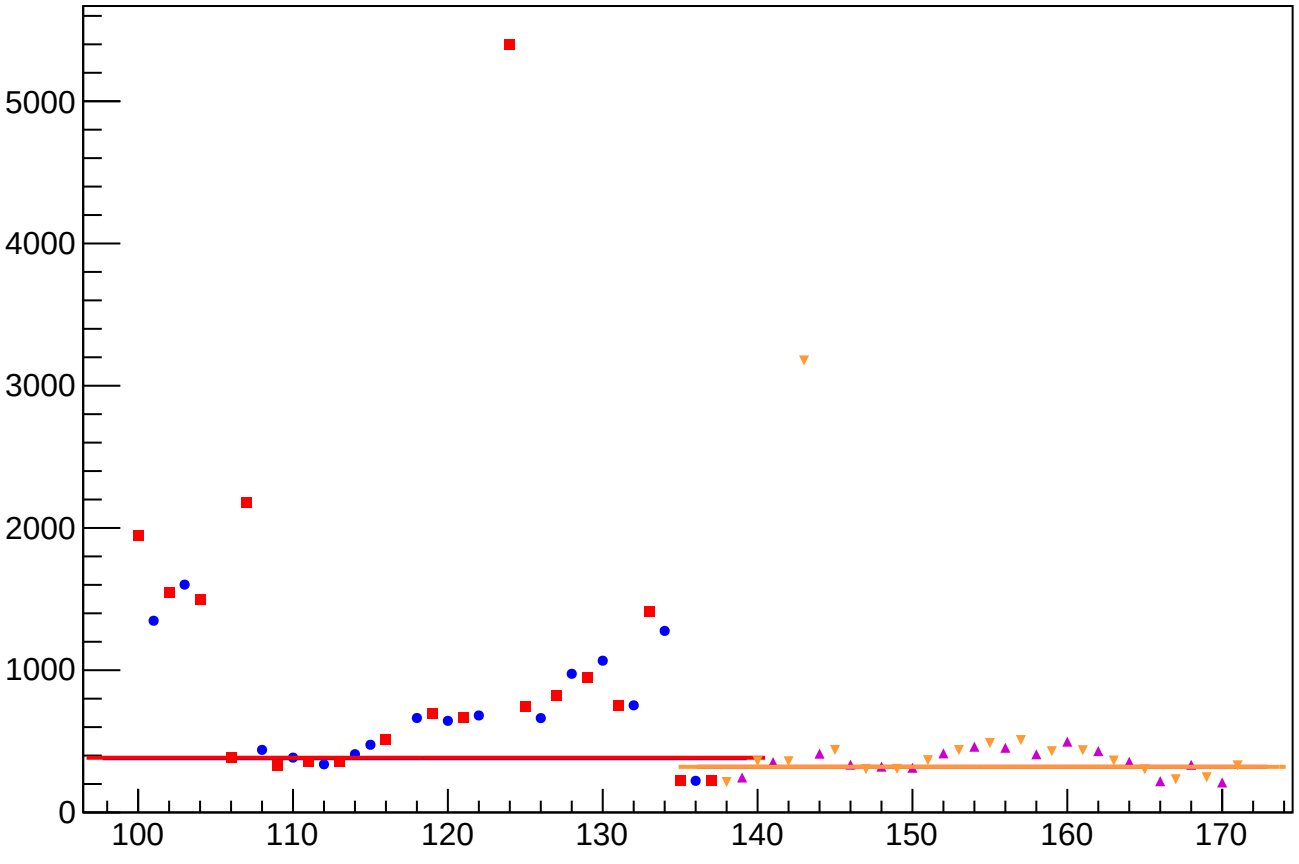
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -66.045+/-91.826 χ^2/NDF:9.9/15

+ sign -264.432+/-79.905 χ^2/NDF: 57.7/33

All: -176.588+/-56.800 χ^2/NDF: 86.1/68

- sign -86.861+/-80.757 χ^2/NDF: 26.0/34



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 320.636+/-0.064 χ^2/NDF:3044519.5/17

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

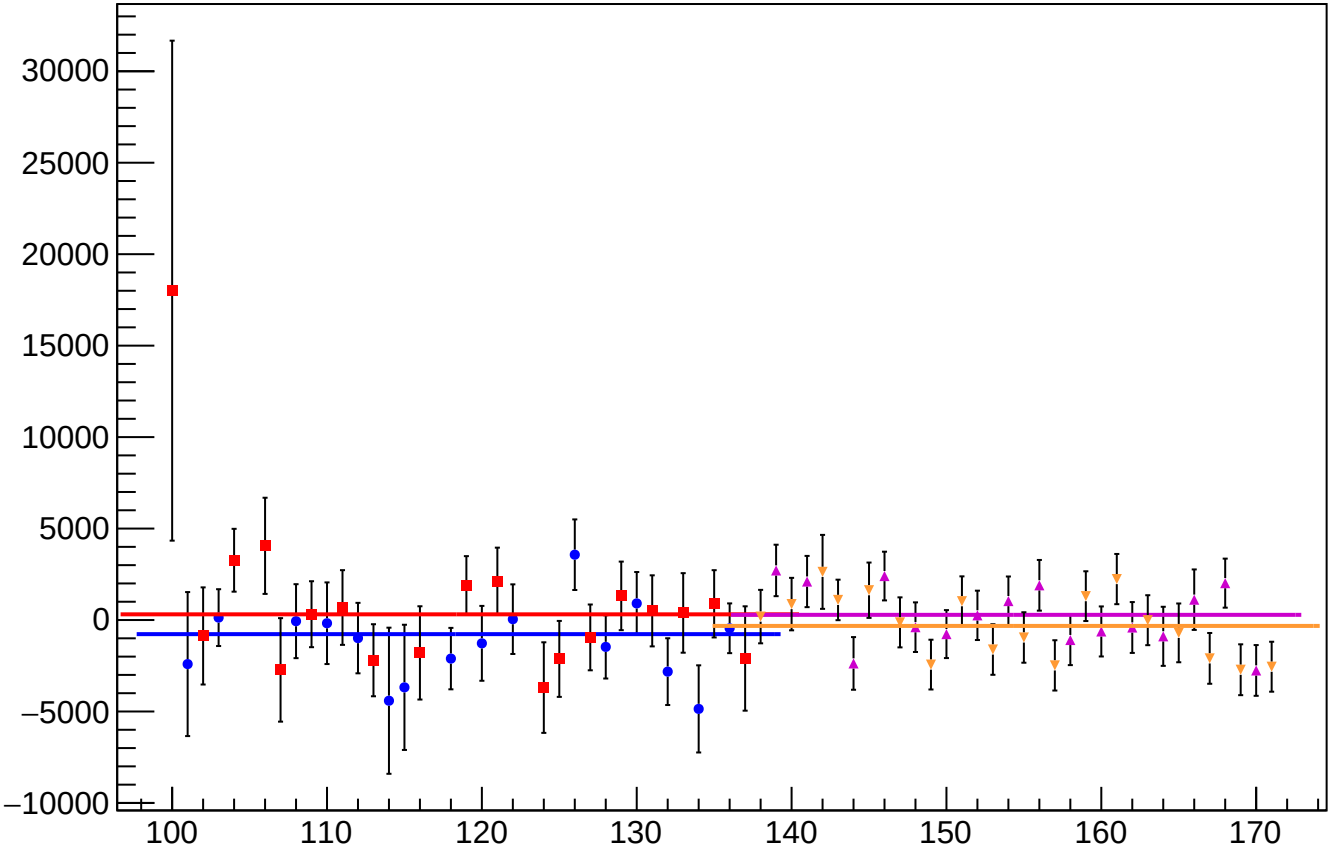
Left In: 321.050+/-0.065 χ^2/NDF:1739700.2/15

+ sign 334.054+/-0.057 χ^2/NDF: 7561222.8/33

All: 334.750+/-0.040 χ^2/NDF: 14078803.6/68

- sign 335.460+/-0.057 χ^2/NDF: 6517274.8/34

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: -322.067+/-329.452 χ^2/NDF:25.5/17

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

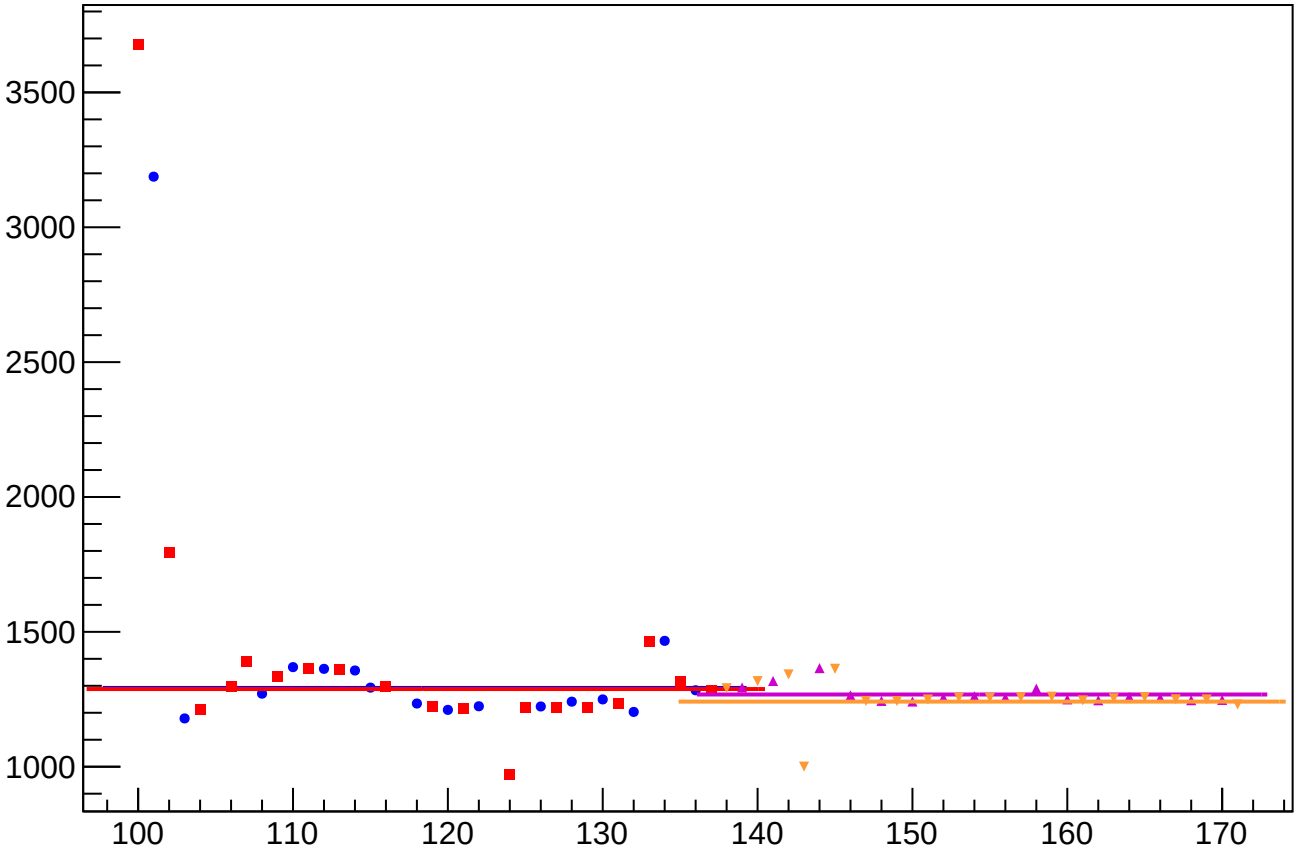
Left In: 283.368+/-348.774 χ^2/NDF:22.1/15

+ sign -462.142+/-273.332 χ^2/NDF: 39.7/33

All: -97.279+/-196.499 χ^2/NDF: 83.4/68

- sign 292.991+/-282.689 χ^2/NDF: 40.1/34

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: 1241.374+/-0.233 χ^2/NDF:122421.5/17

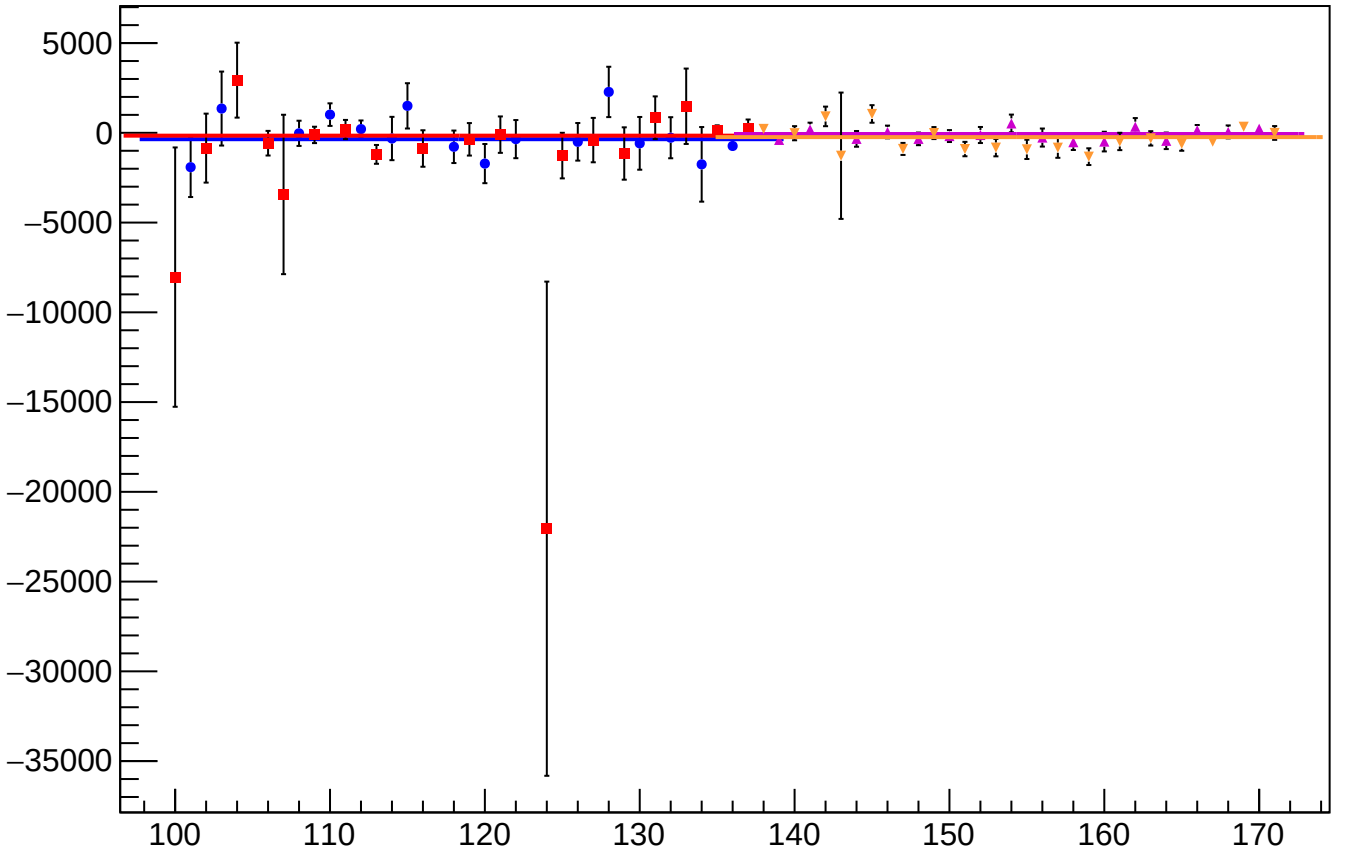
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

+ sign 1257.164+/-0.193 χ^2/NDF: 646569.2/33

All: 1265.647+/-0.139 χ^2/NDF: 878719.8/68

- sign 1274.720+/-0.200 χ^2/NDF: 228163.9/34



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -238.681+/-90.534 χ^2/NDF:38.9/17

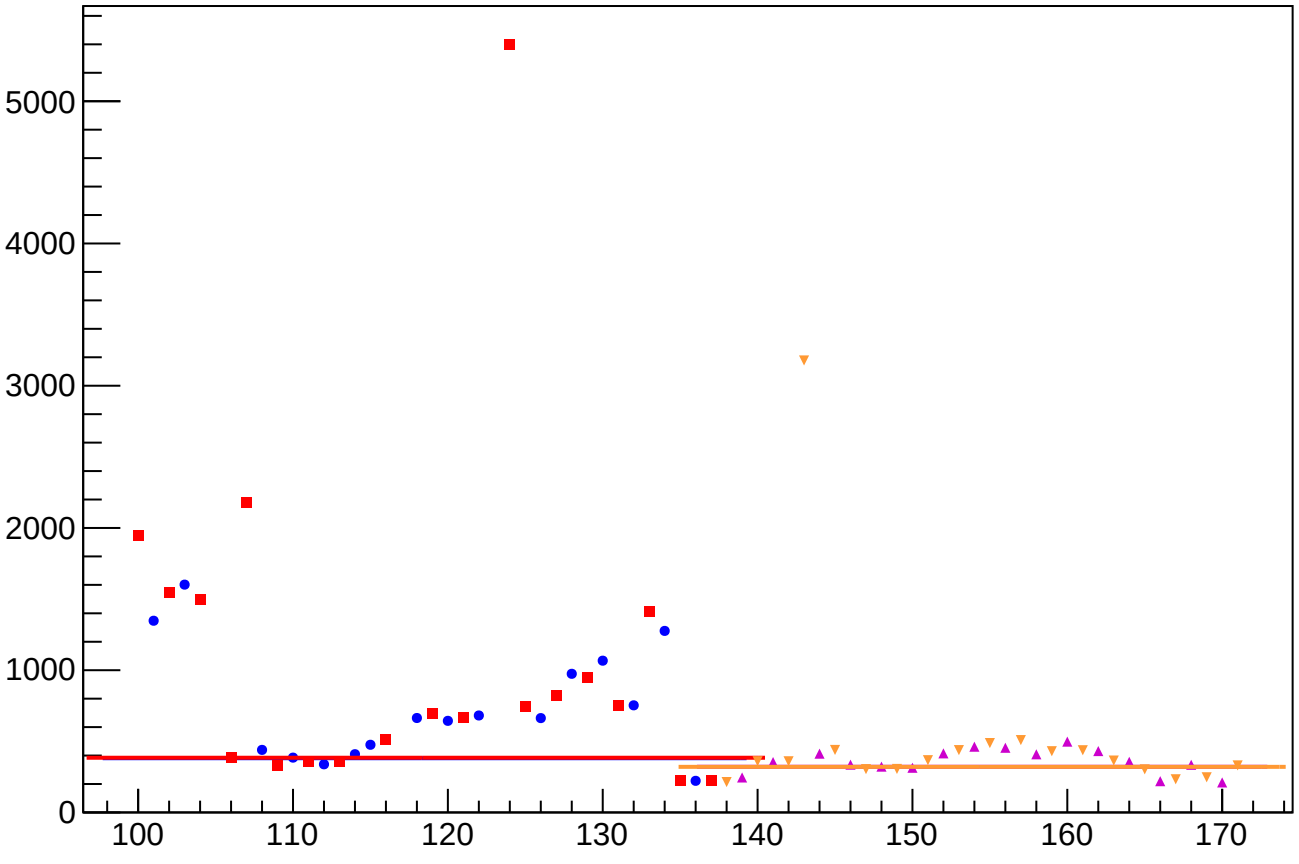
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -66.042+/-91.827 χ^2/NDF:9.9/15

+ sign -264.438+/-79.906 χ^2/NDF: 57.7/33

All: -176.590+/-56.801 χ^2/NDF: 86.1/68

- sign -86.860+/-80.758 χ^2/NDF: 26.0/34



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 320.639+/-0.064 χ^2/NDF:3044395.0/17

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

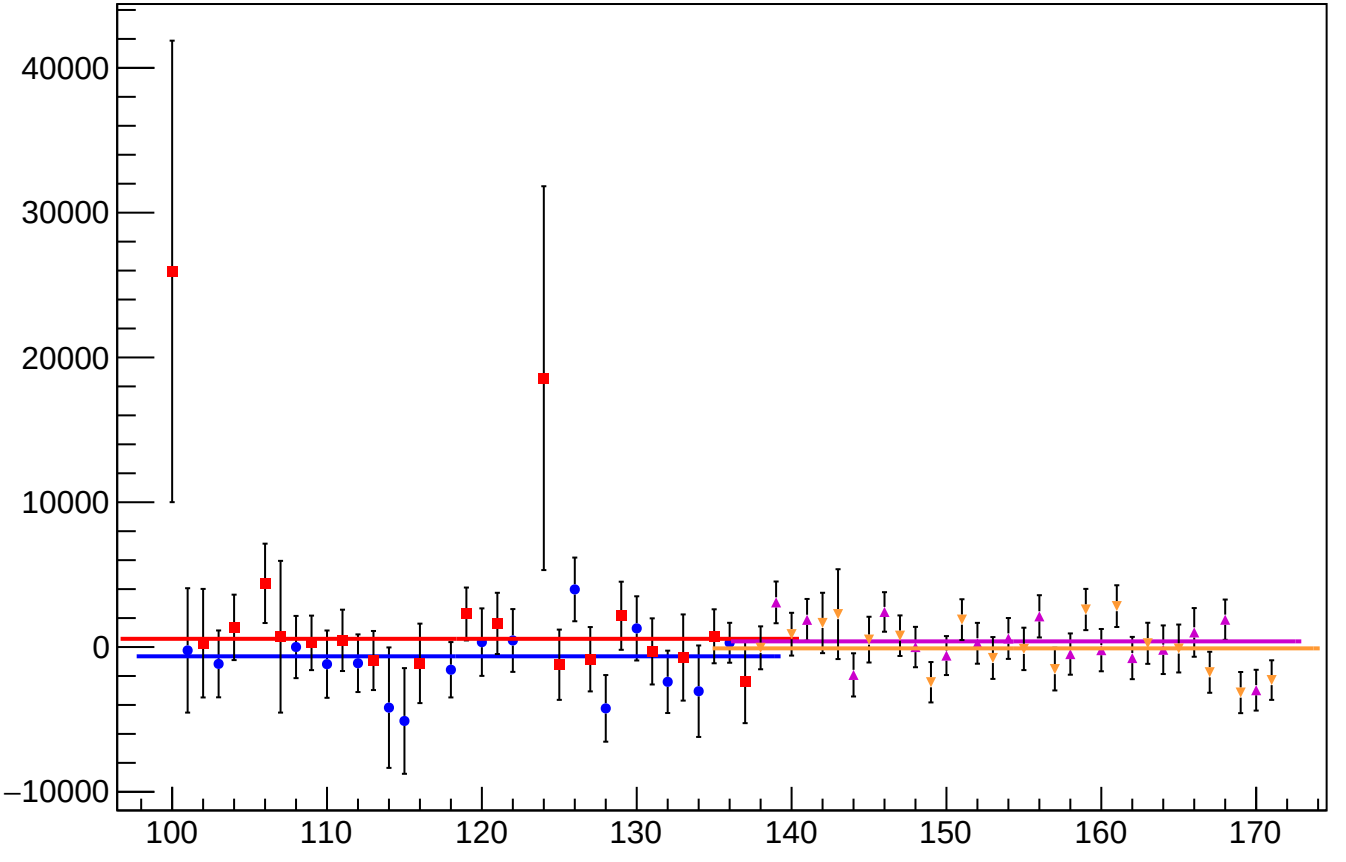
Left In: 321.052+/-0.065 χ^2/NDF:1739642.4/15

+ sign 334.059+/-0.057 χ^2/NDF: 7560954.4/33

All: 334.753+/-0.040 χ^2/NDF: 14078373.1/68

- sign 335.463+/-0.057 χ^2/NDF: 6517113.3/34

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -92.225+/-354.767 χ^2/NDF:24.5/17

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

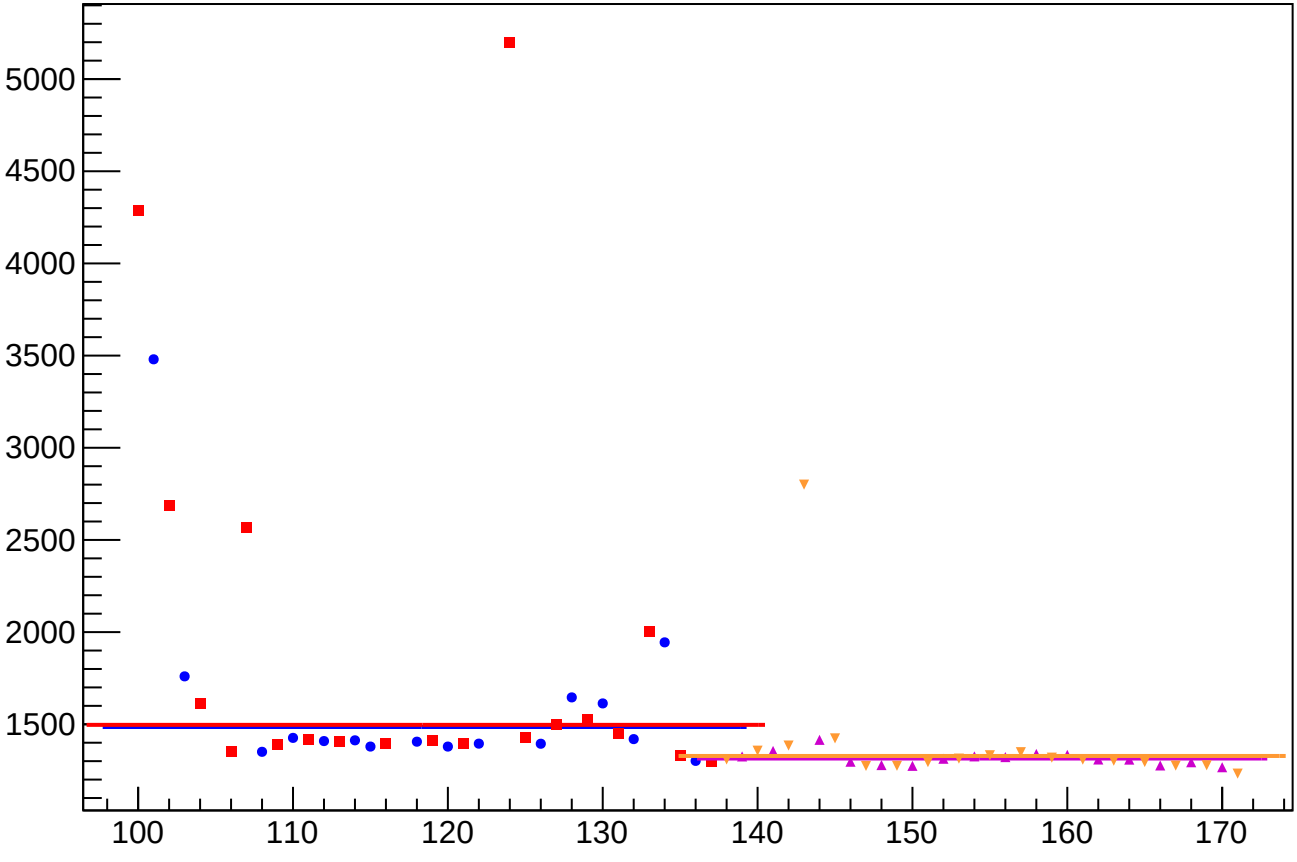
Left In: 391.099+/-361.590 χ^2/NDF:19.5/15

+ sign -247.606+/-300.354 χ^2/NDF: 37.6/33

All: 92.117+/-213.949 χ^2/NDF: 71.1/68

- sign 442.056+/-304.836 χ^2/NDF: 30.9/34

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1328.132+/-0.251 χ^2/NDF:484424.1/17

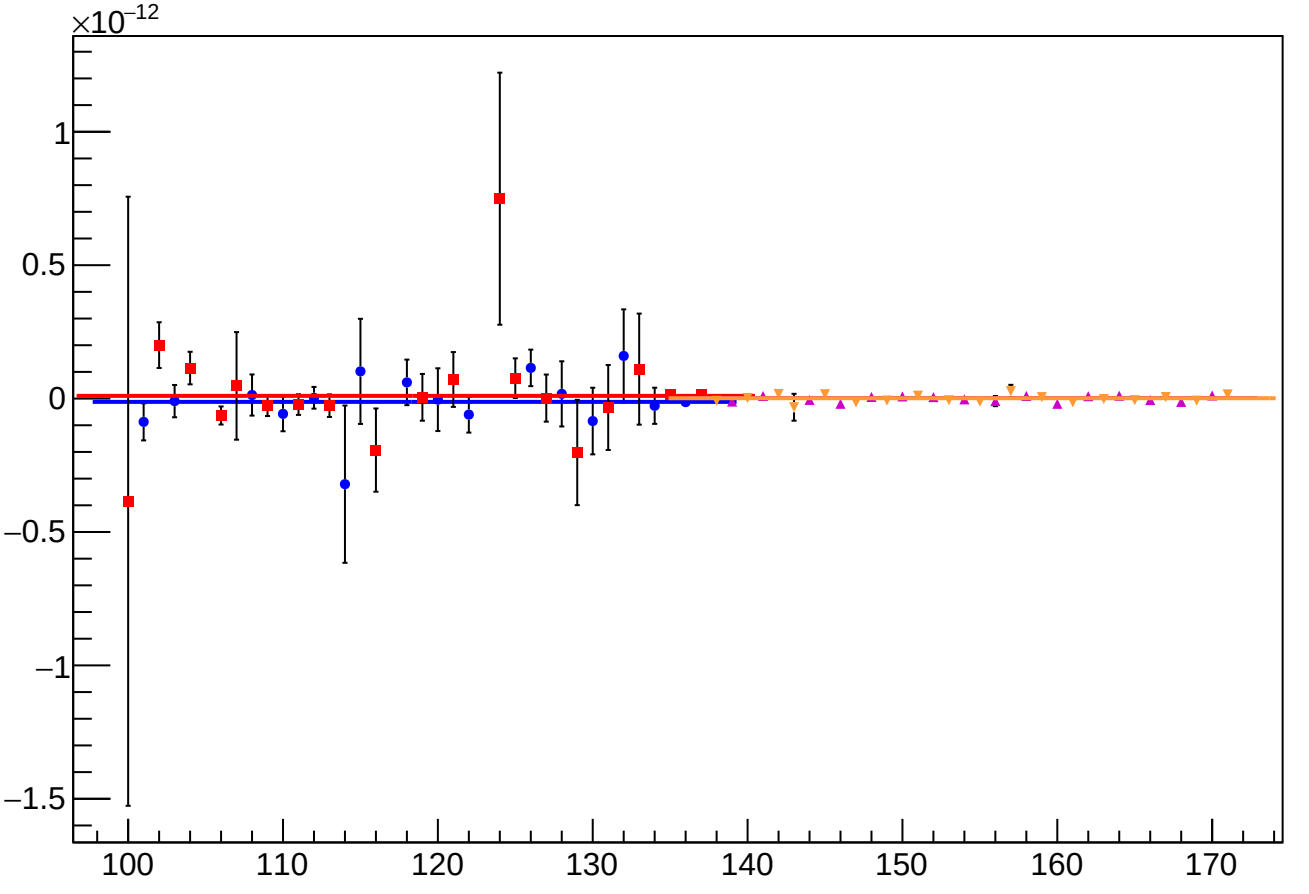
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1314.277+/-0.256 χ^2/NDF:19225.9/15

+ sign 1372.667+/-0.212 χ^2/NDF: 1180170.8/33

All: 1369.923+/-0.151 χ^2/NDF: 1970551.7/68

- sign 1367.096+/-0.216 χ^2/NDF: 790041.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/17

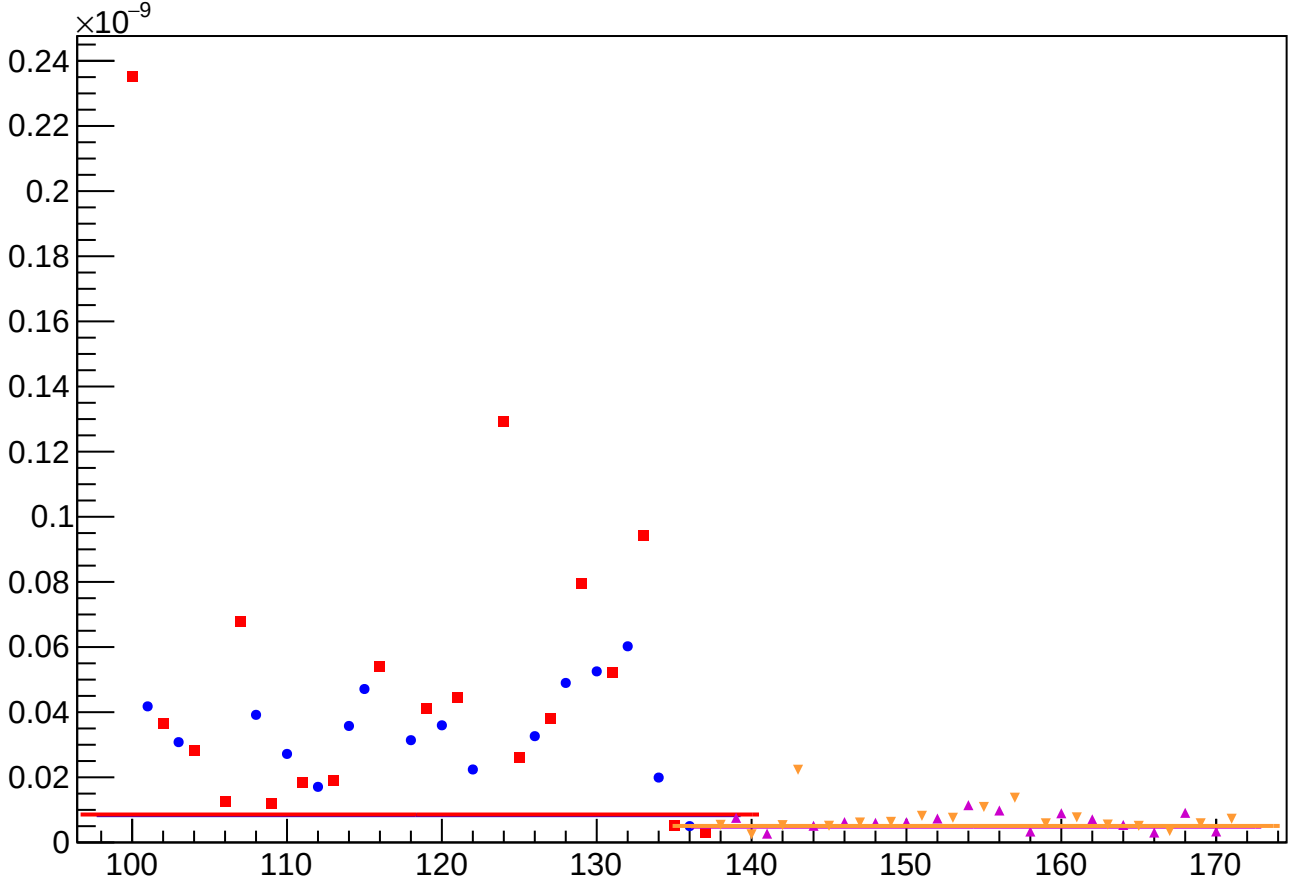
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/33

All: 0.000+/-0.000 χ^2/NDF: 71.1/68

- sign 0.000+/-0.000 χ^2/NDF: 41.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835857.6/17

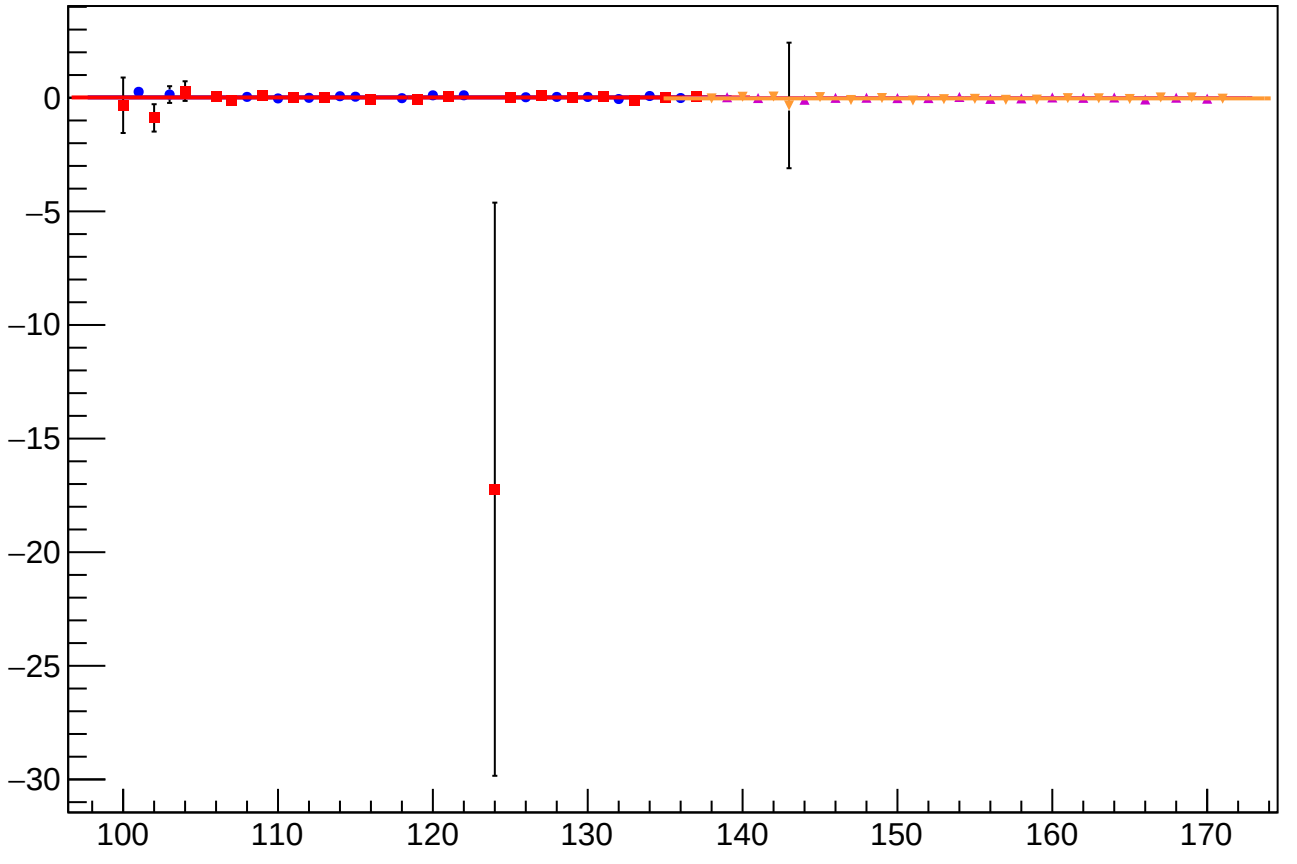
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1687671.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 5257339.1/33

All: 0.000+/-0.000 χ^2/NDF: 10704031.6/68

- sign 0.000+/-0.000 χ^2/NDF: 5436461.6/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

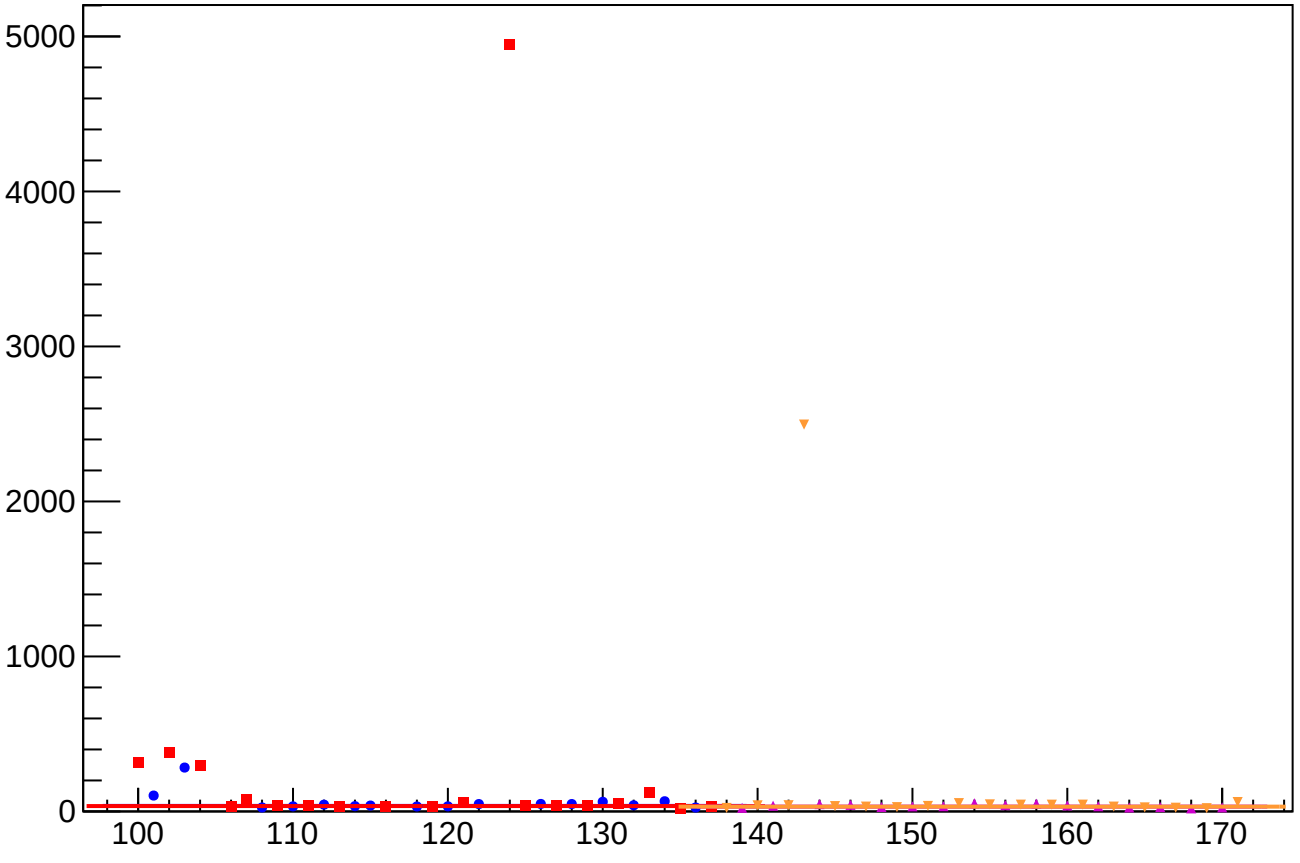
Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

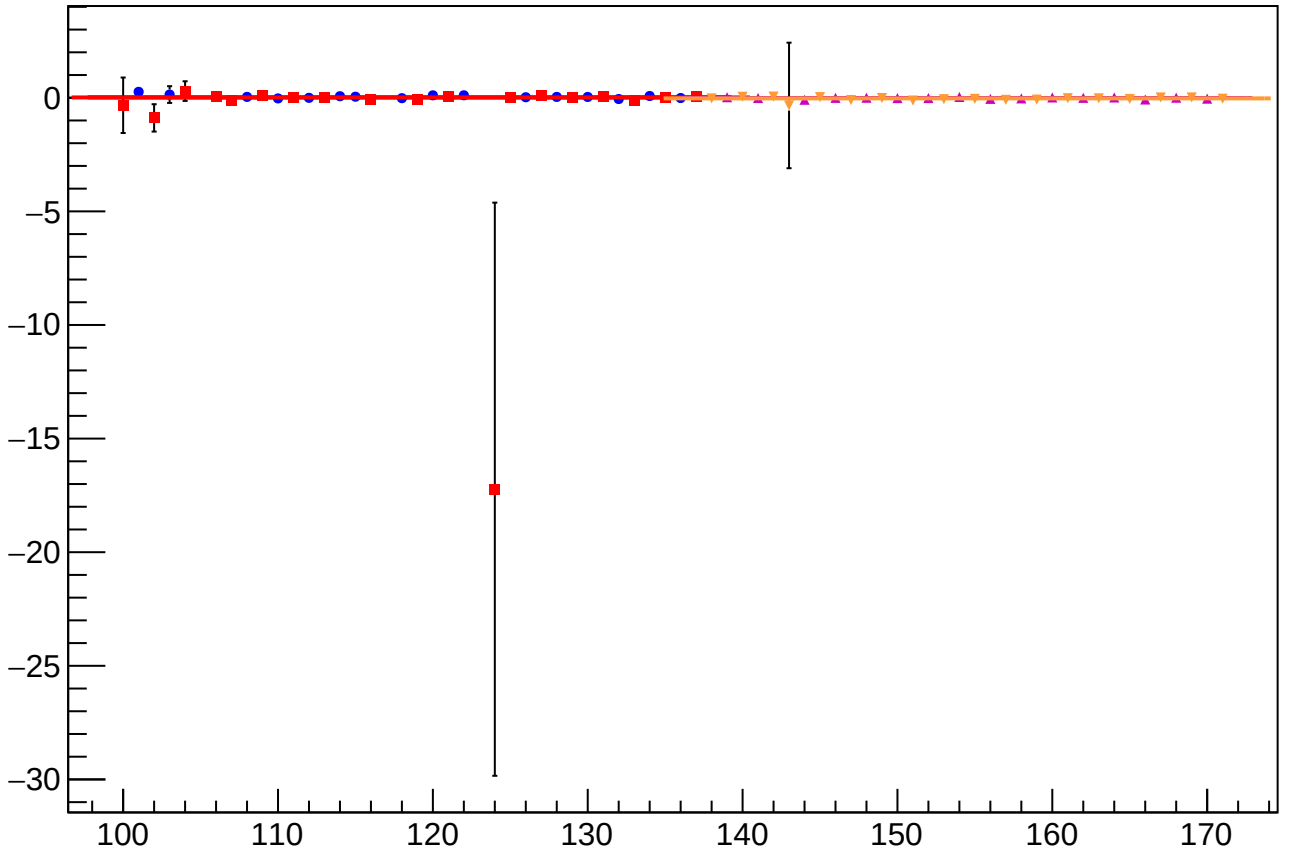
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

\+ sign 32.346+/-0.006 χ^2/NDF: 5787420.7/33

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

\- sign 32.147+/-0.006 χ^2/NDF: 4656018.1/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

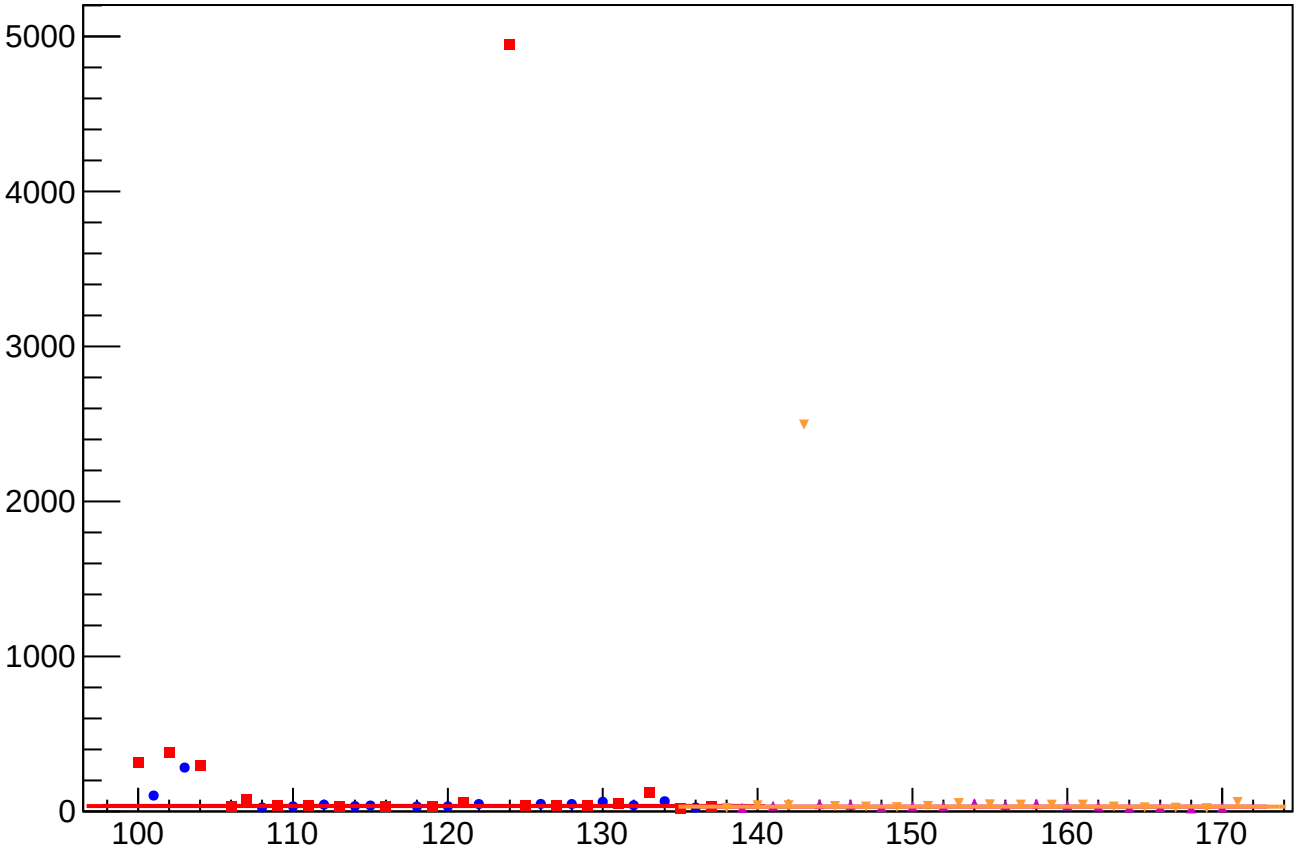
Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.047+/-0.007 χ^2/NDF:3388970.2/17

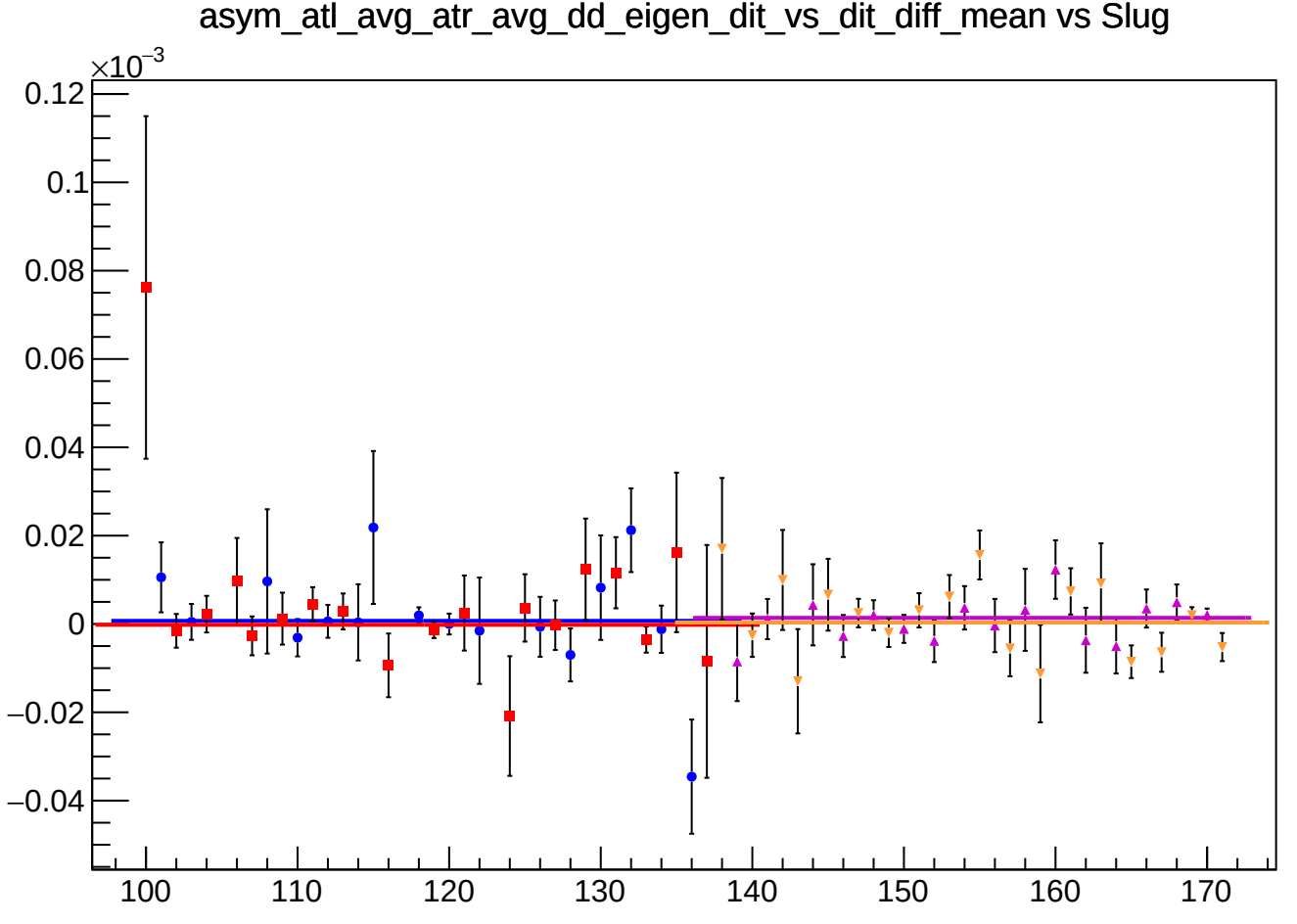
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787420.7/33

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

- sign 32.147+/-0.006 χ^2/NDF: 4656018.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/17

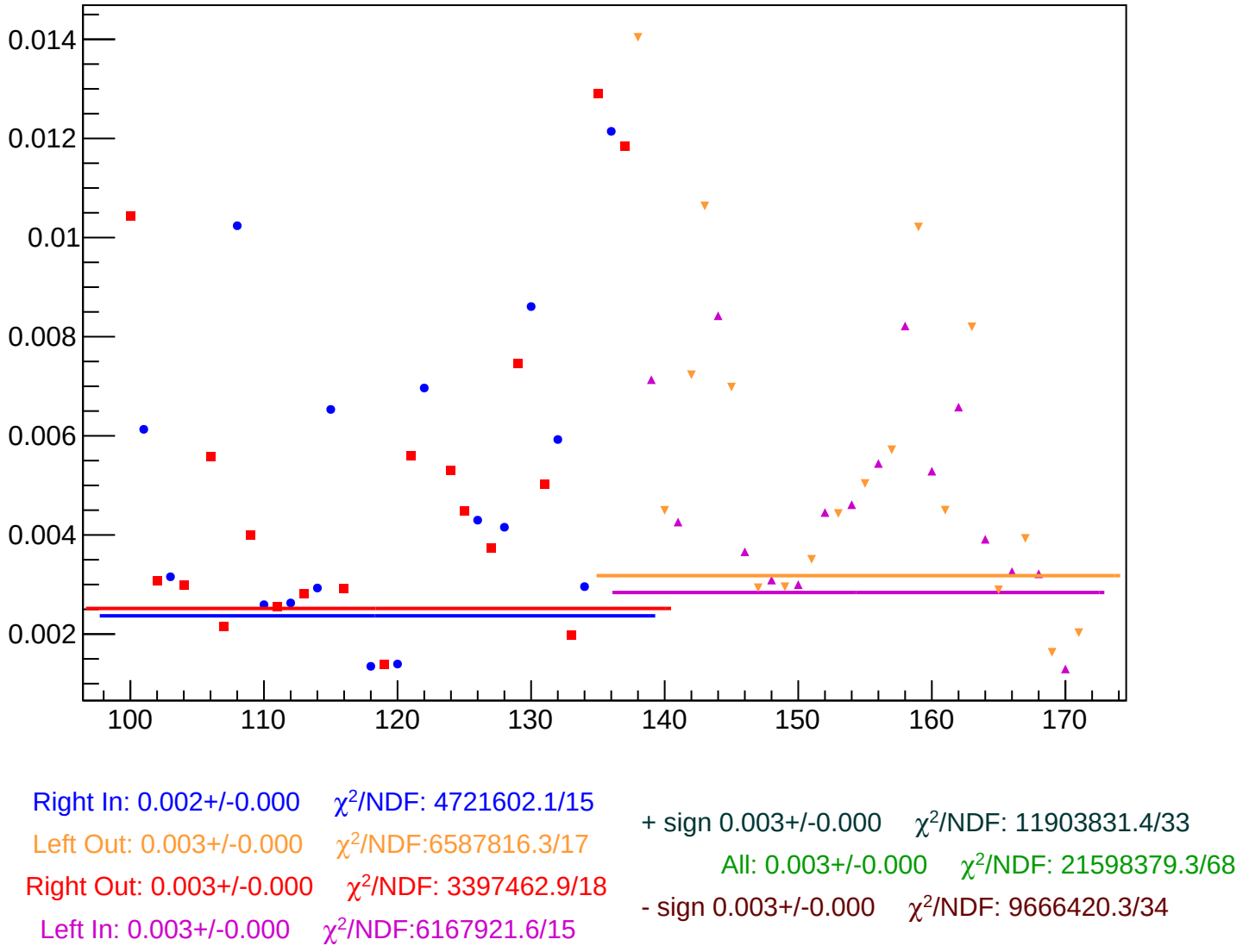
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

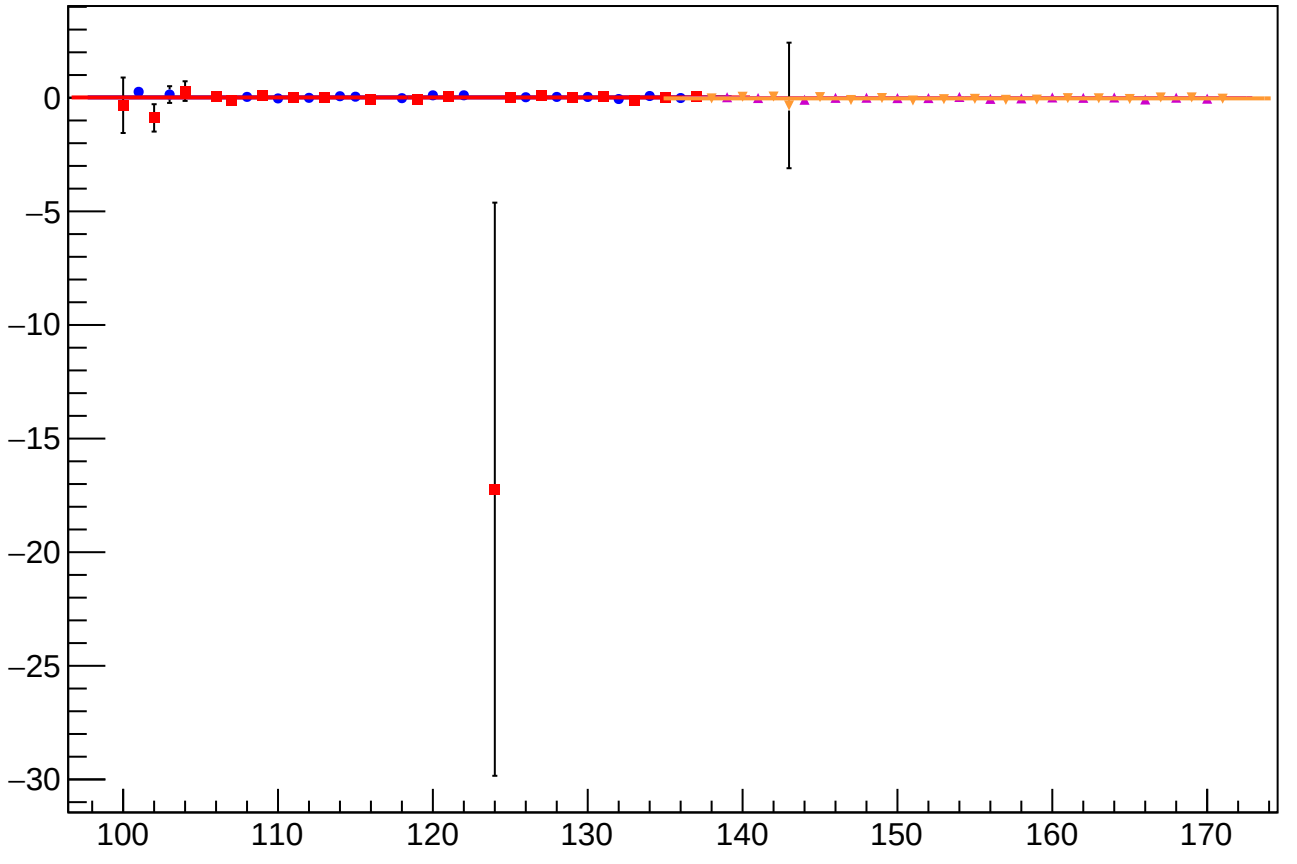
Left In: 0.000+/-0.000 χ^2/NDF:9.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/33

All: 0.000+/-0.000 χ^2/NDF: 79.4/68

- sign 0.000+/-0.000 χ^2/NDF: 29.1/34


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:6587816.3/17
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.003+/-0.000 χ²/NDF:6167921.6/15
+ sign 0.003+/-0.000 χ²/NDF: 11903831.4/33
All: 0.003+/-0.000 χ²/NDF: 21598379.3/68
- sign 0.003+/-0.000 χ²/NDF: 9666420.3/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

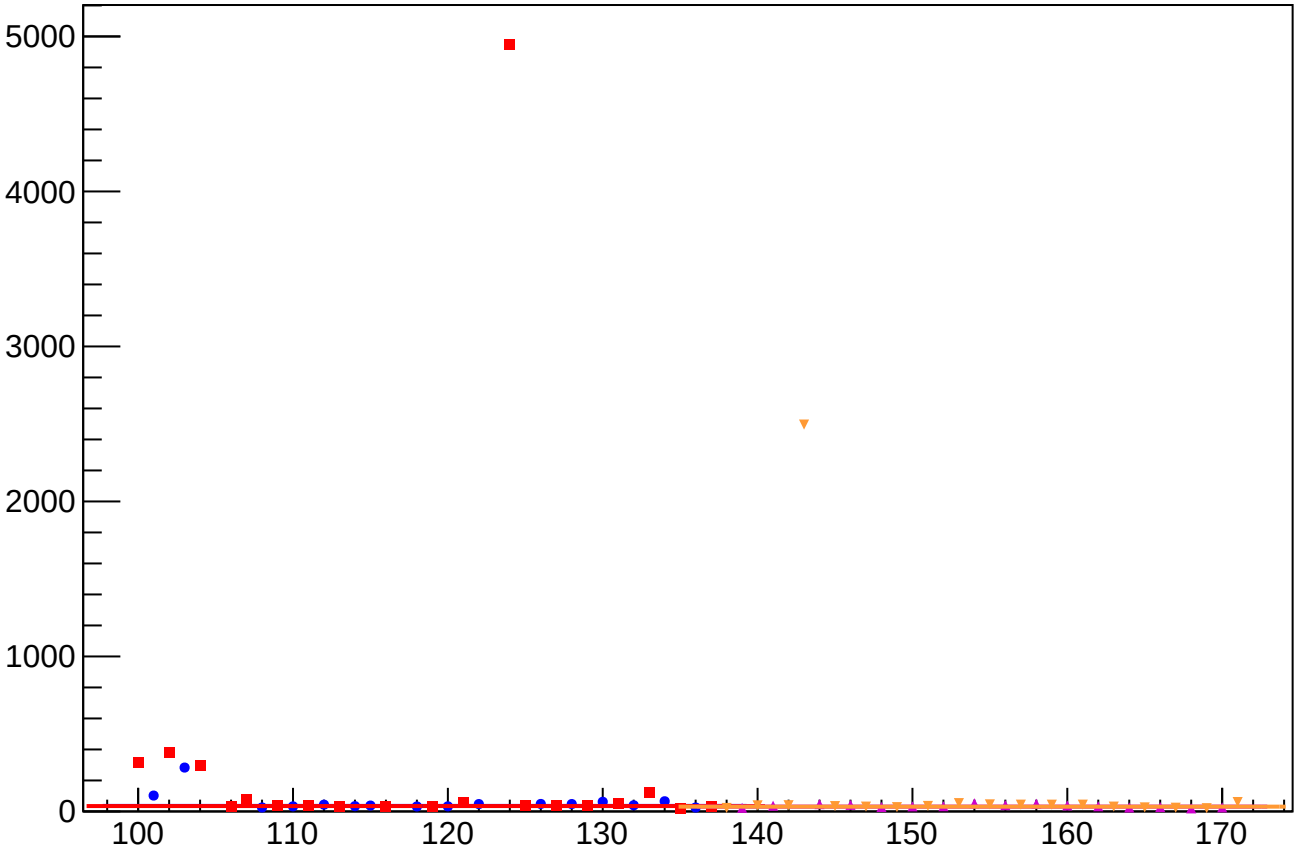
Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.046+/-0.007 χ^2/NDF:3389231.6/17

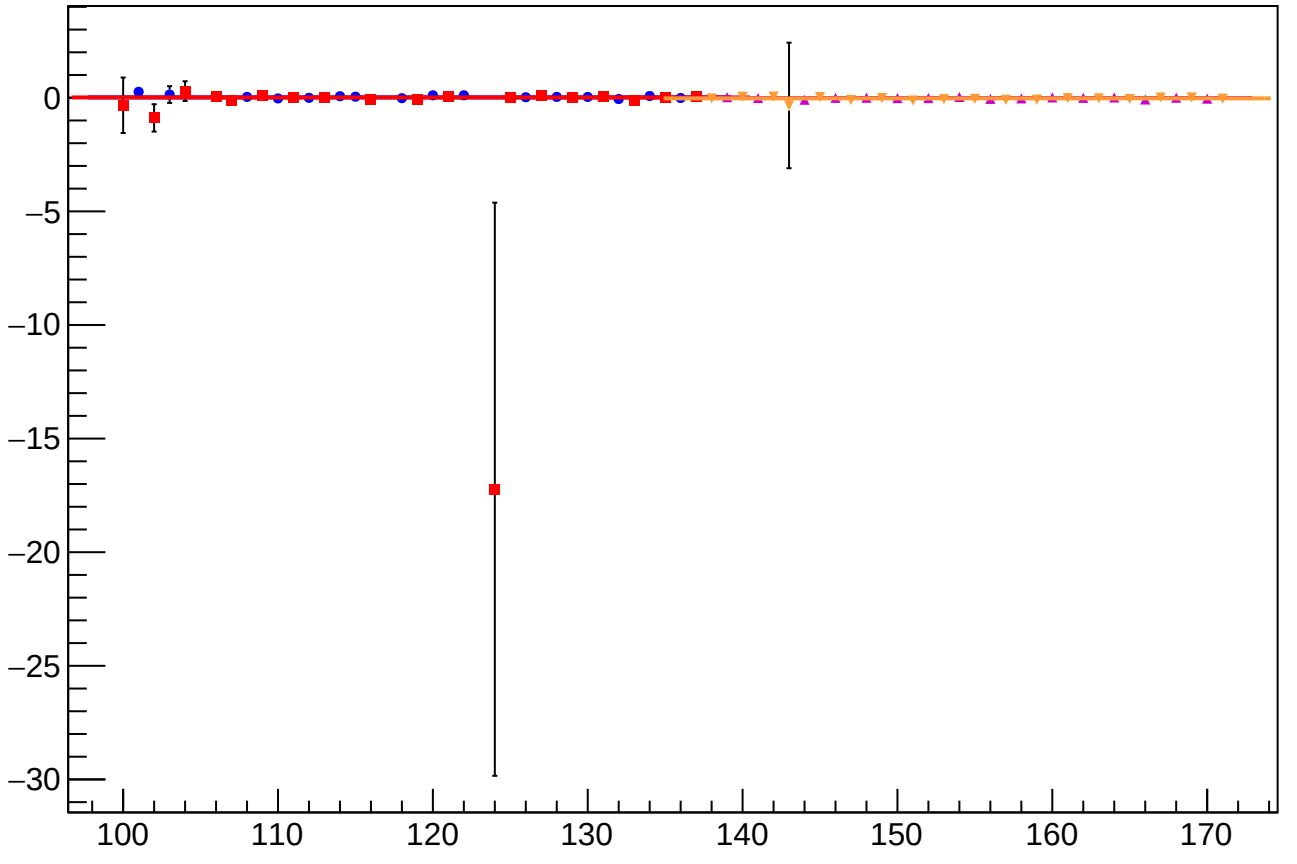
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787498.8/33

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

- sign 32.146+/-0.006 χ^2/NDF: 4656500.5/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

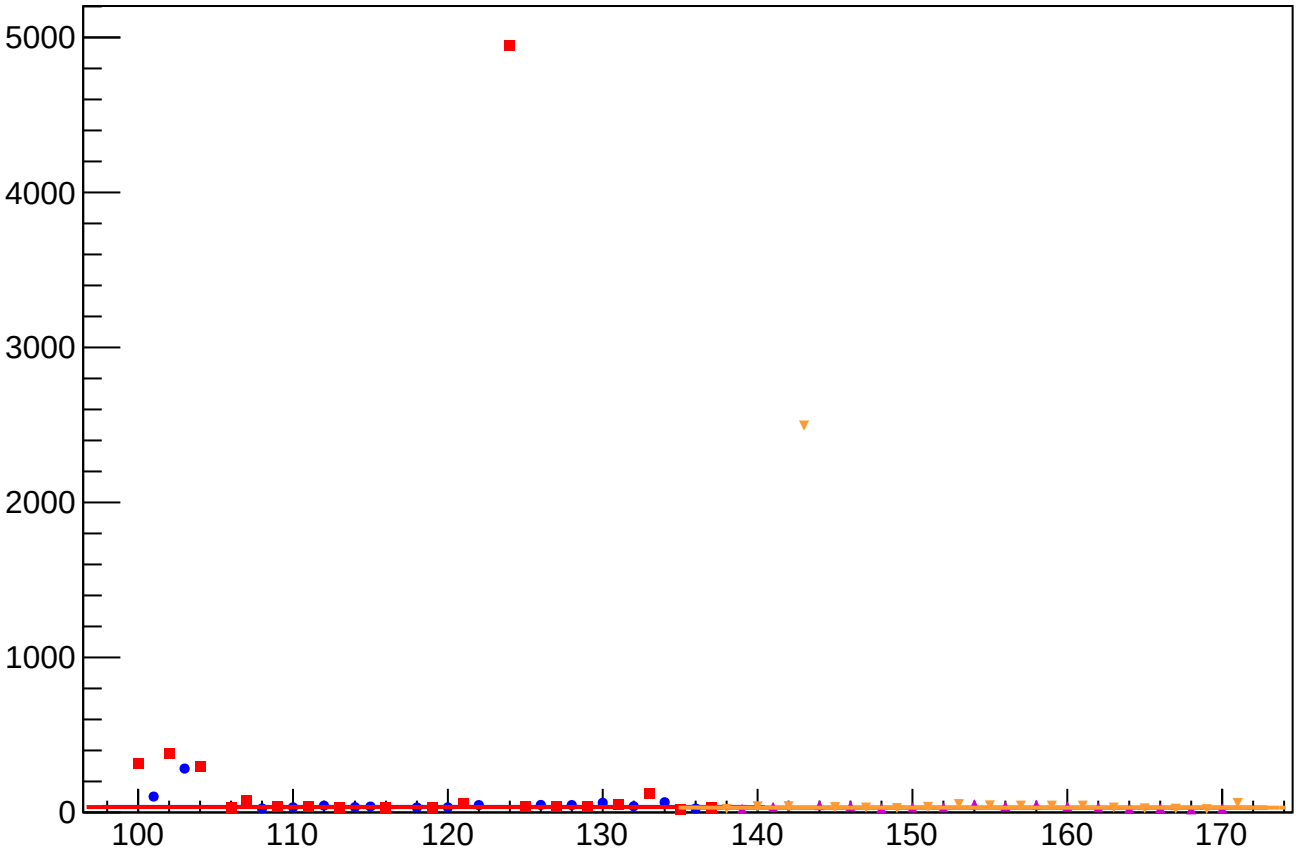
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.046+/-0.007 χ^2/NDF:3389231.6/17

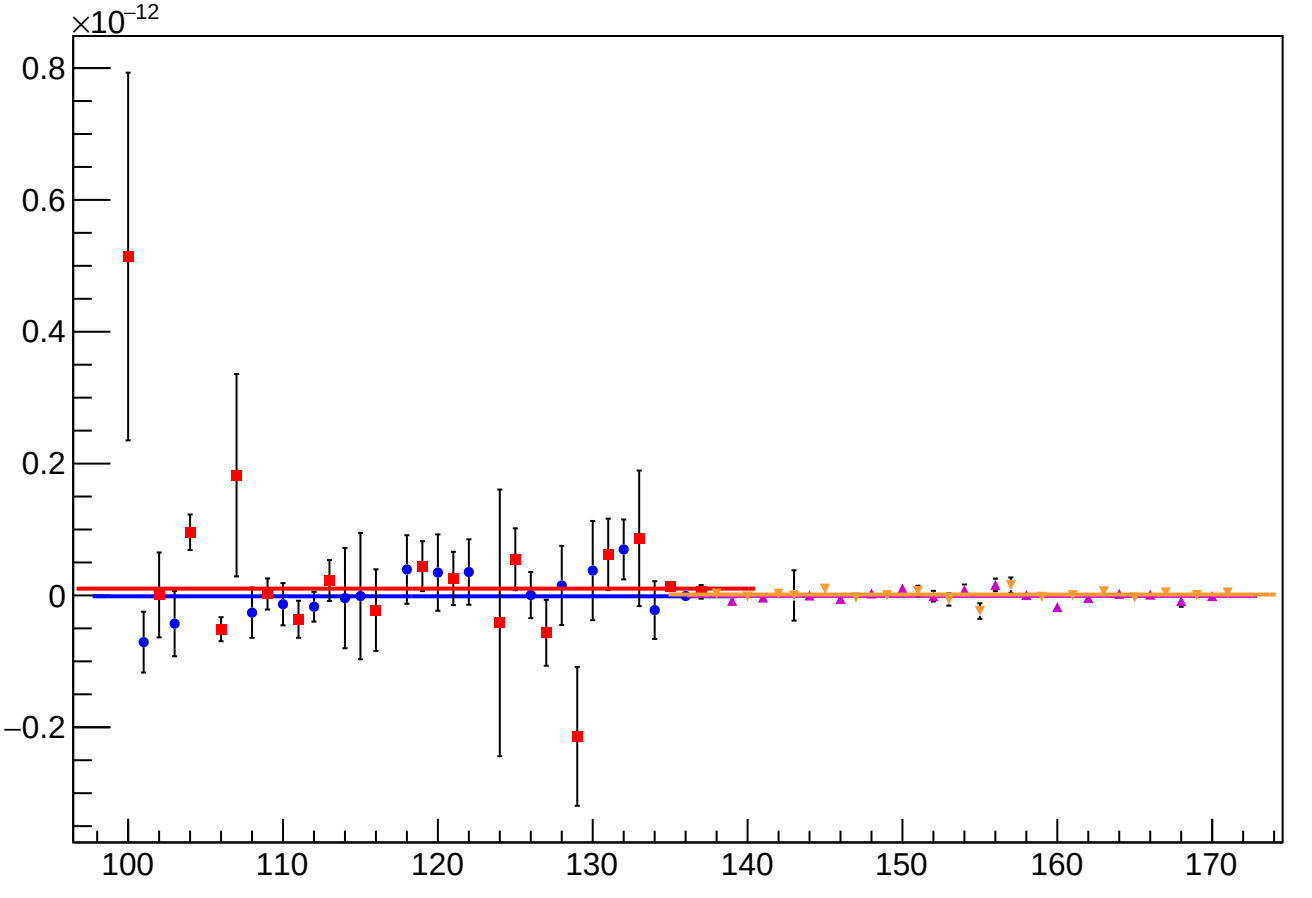
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787498.8/33

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

- sign 32.146+/-0.006 χ^2/NDF: 4656500.5/34



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

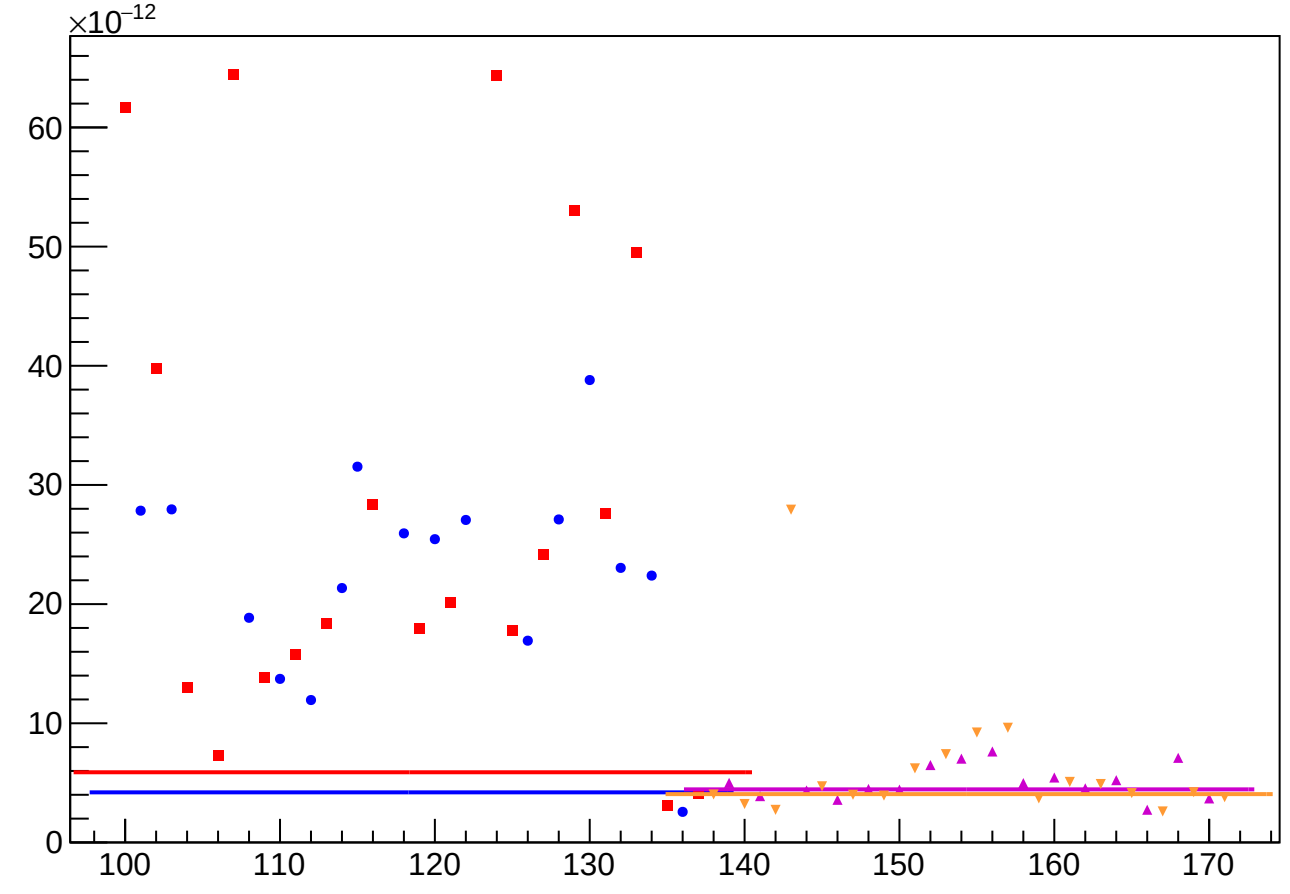
Right Out: 0.000+/-0.000 χ^2/NDF: 39.9/18

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

+ sign 0.000+/-0.000 χ^2/NDF: 22.2/33

All: 0.000+/-0.000 χ^2/NDF: 86.5/68

- sign 0.000+/-0.000 χ^2/NDF: 64.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2663781.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

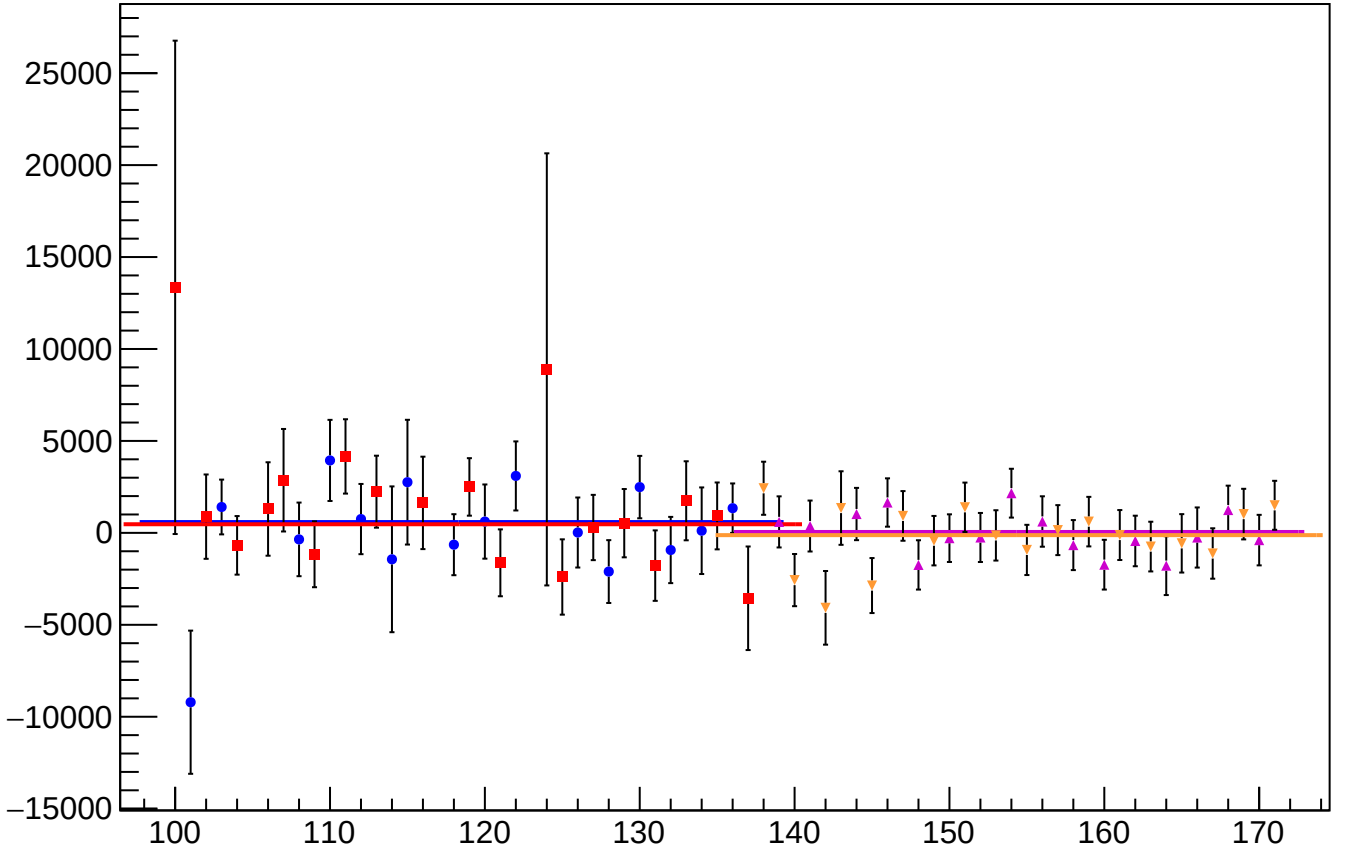
Left In: 0.000+/-0.000 χ^2/NDF:1293633.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 7747202.0/33

All: 0.000+/-0.000 χ^2/NDF: 14271674.0/68

- sign 0.000+/-0.000 χ^2/NDF: 6363778.9/34

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.603+/-336.112 χ^2/NDF:19.5/17

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

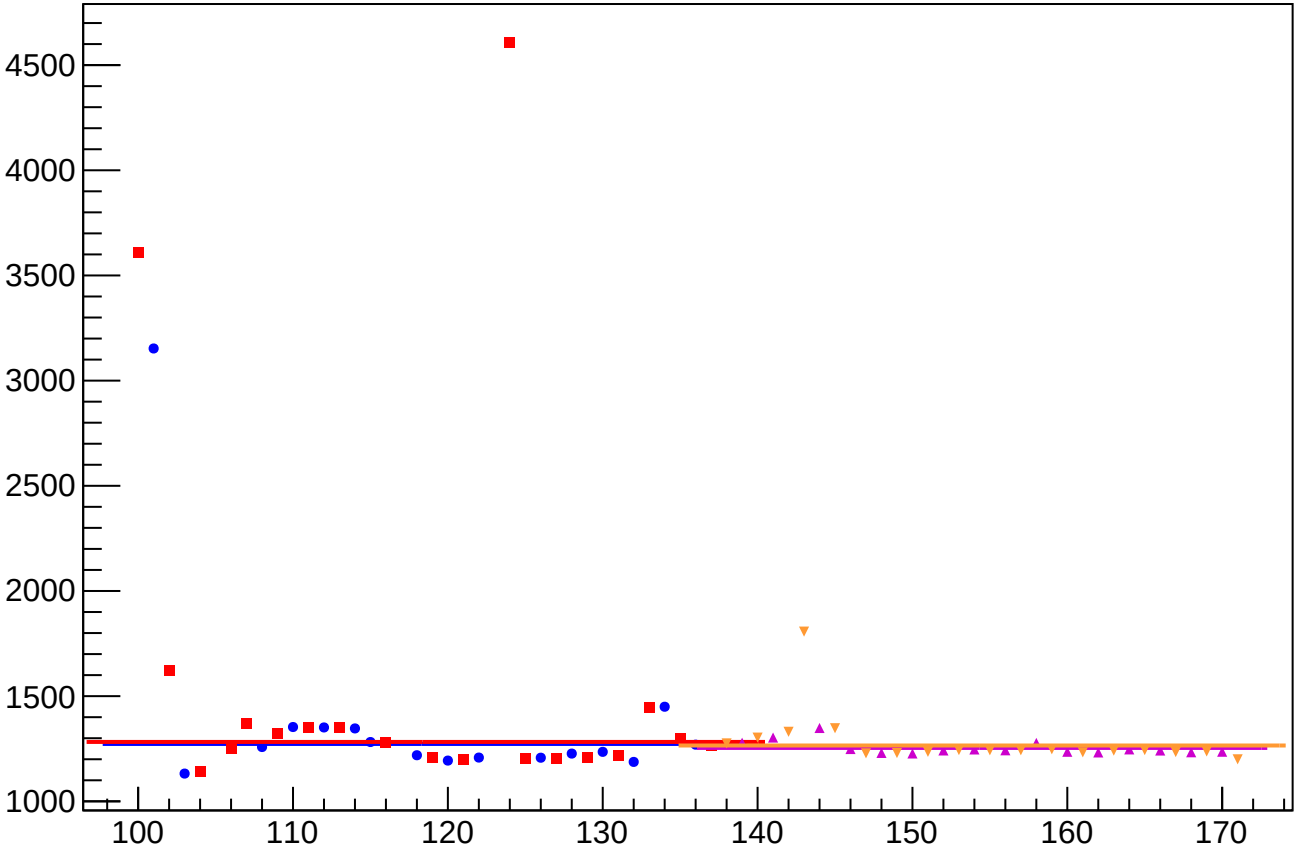
Left In: 48.296+/-344.934 χ^2/NDF:11.2/15

+ sign 108.585+/-275.781 χ^2/NDF: 38.0/33

All: 149.316+/-196.554 χ^2/NDF: 66.6/68

- sign 191.367+/-280.213 χ^2/NDF: 28.5/34

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.9/17

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

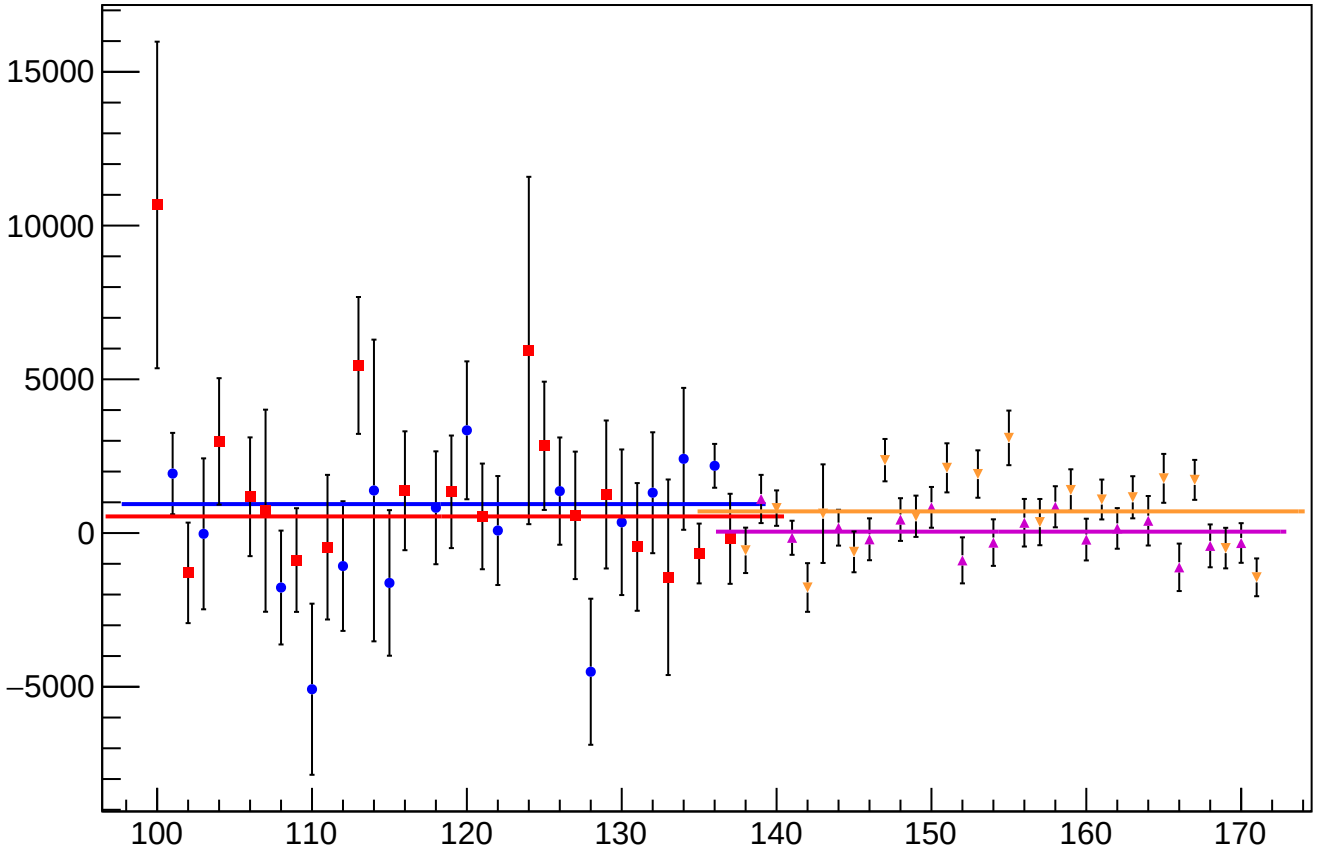
Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690721.7/33

All: 1265.722+/-0.139 χ^2/NDF: 1034023.5/68

- sign 1263.553+/-0.198 χ^2/NDF: 343065.9/34

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 704.776+/-168.260 χ^2/NDF:57.3/17

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

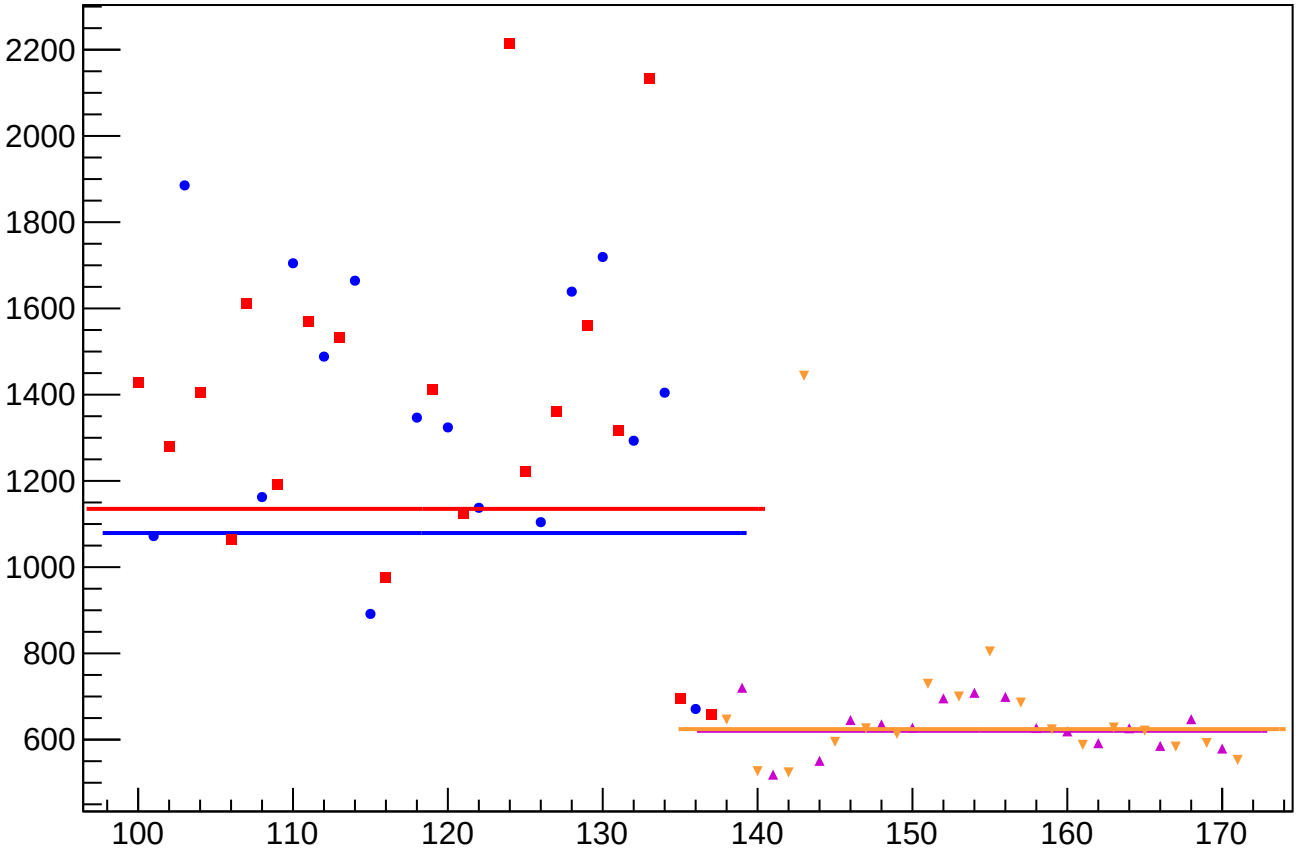
Left In: 45.247+/-171.719 χ^2/NDF:10.7/15

\+ sign 736.779+/-156.487 χ^2/NDF: 77.5/33

All: 430.641+/-111.862 χ^2/NDF: 114.3/68

\- sign 110.750+/-159.964 χ^2/NDF: 28.9/34

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 624.370+/-0.119 χ^2/NDF:813716.4/17

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

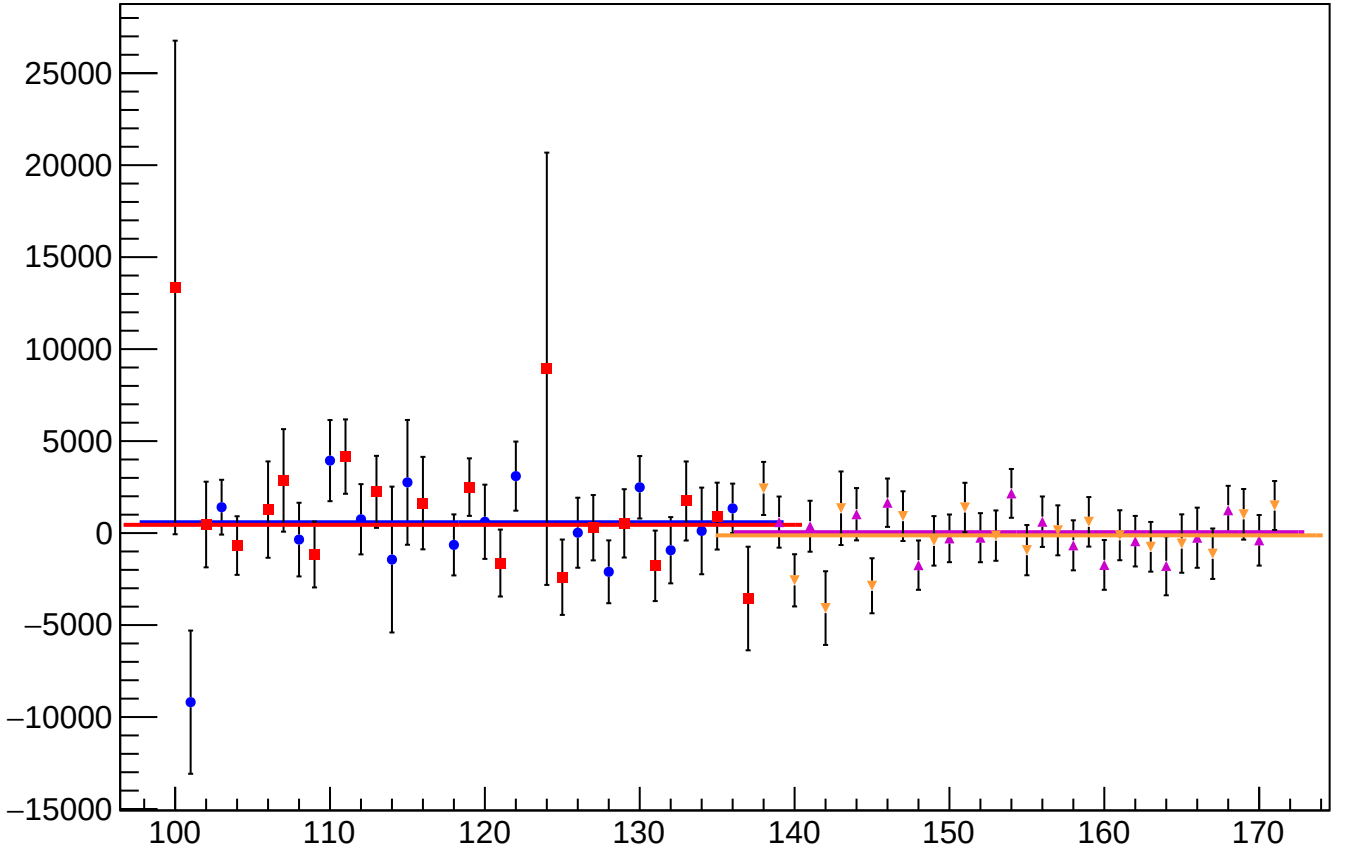
Left In: 620.511+/-0.121 χ^2/NDF:219548.1/15

+ sign 685.780+/-0.111 χ^2/NDF: 4268751.9/33

All: 687.141+/-0.079 χ^2/NDF: 8157116.6/68

- sign 688.562+/-0.113 χ^2/NDF: 3888055.6/34

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

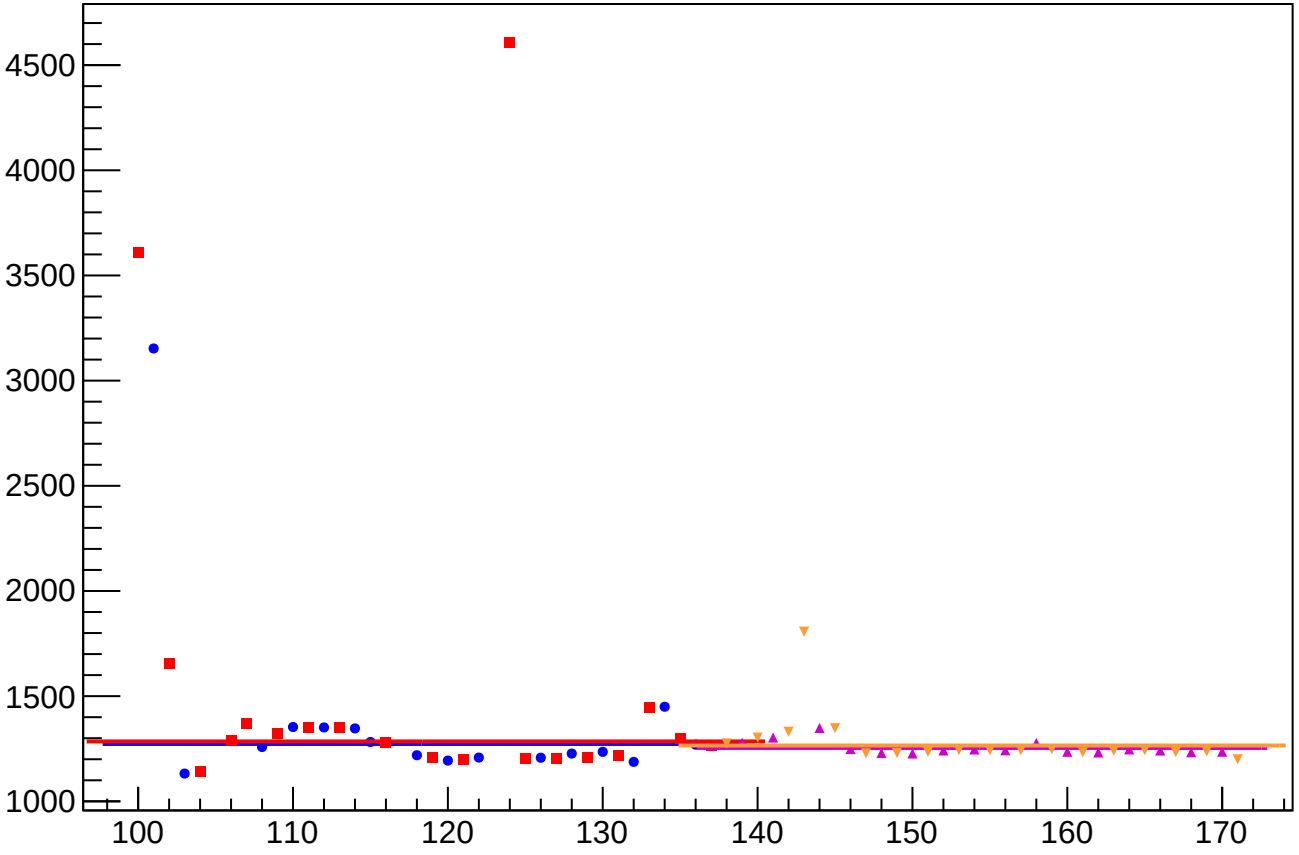
Left In: 48.349+/-344.934 χ^2/NDF:11.2/15

+ sign 108.645+/-275.781 χ^2/NDF: 38.0/33

All: 145.745+/-196.610 χ^2/NDF: 66.5/68

- sign 184.091+/-280.374 χ^2/NDF: 28.4/34

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

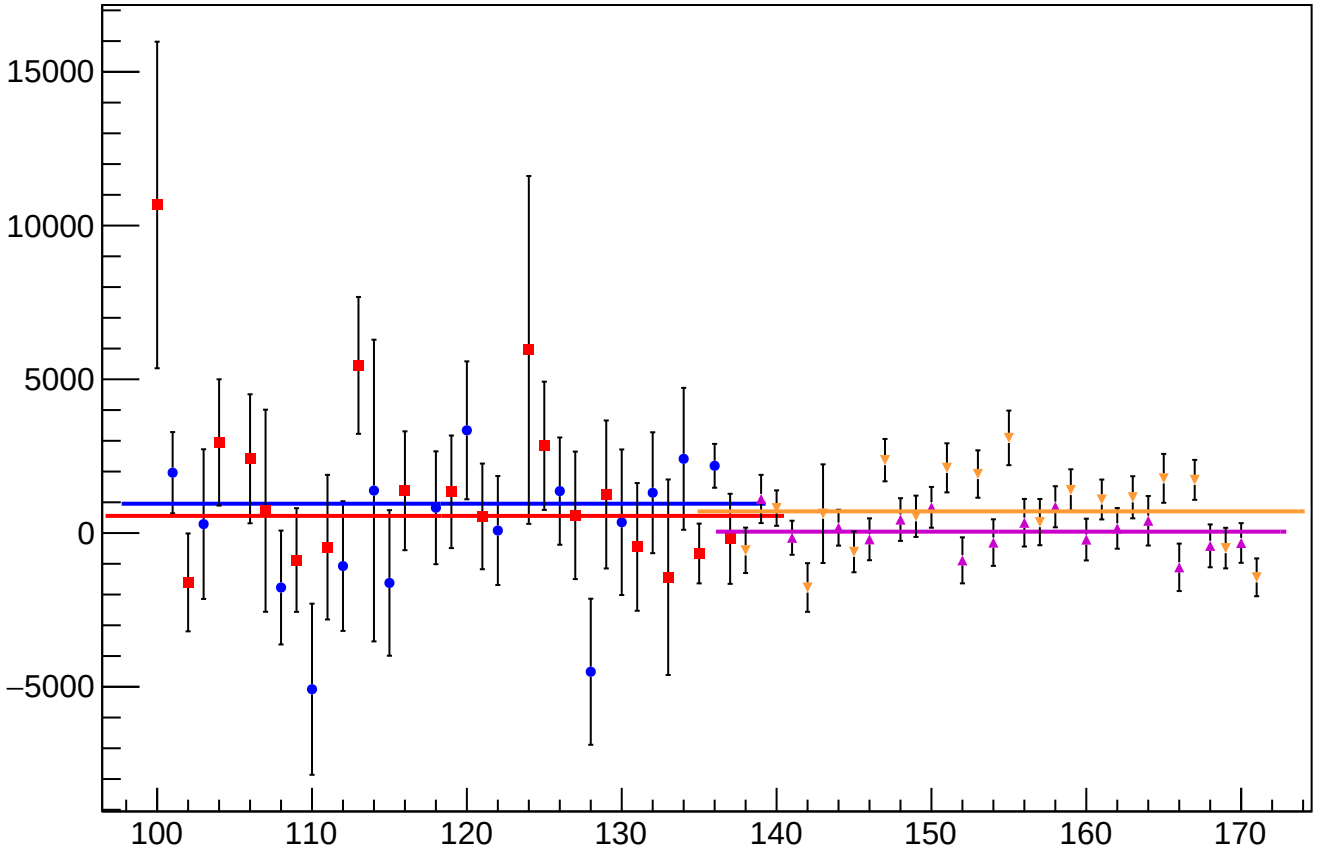
Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690723.1/33

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68

- sign 1264.309+/-0.198 χ^2/NDF: 350486.1/34

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

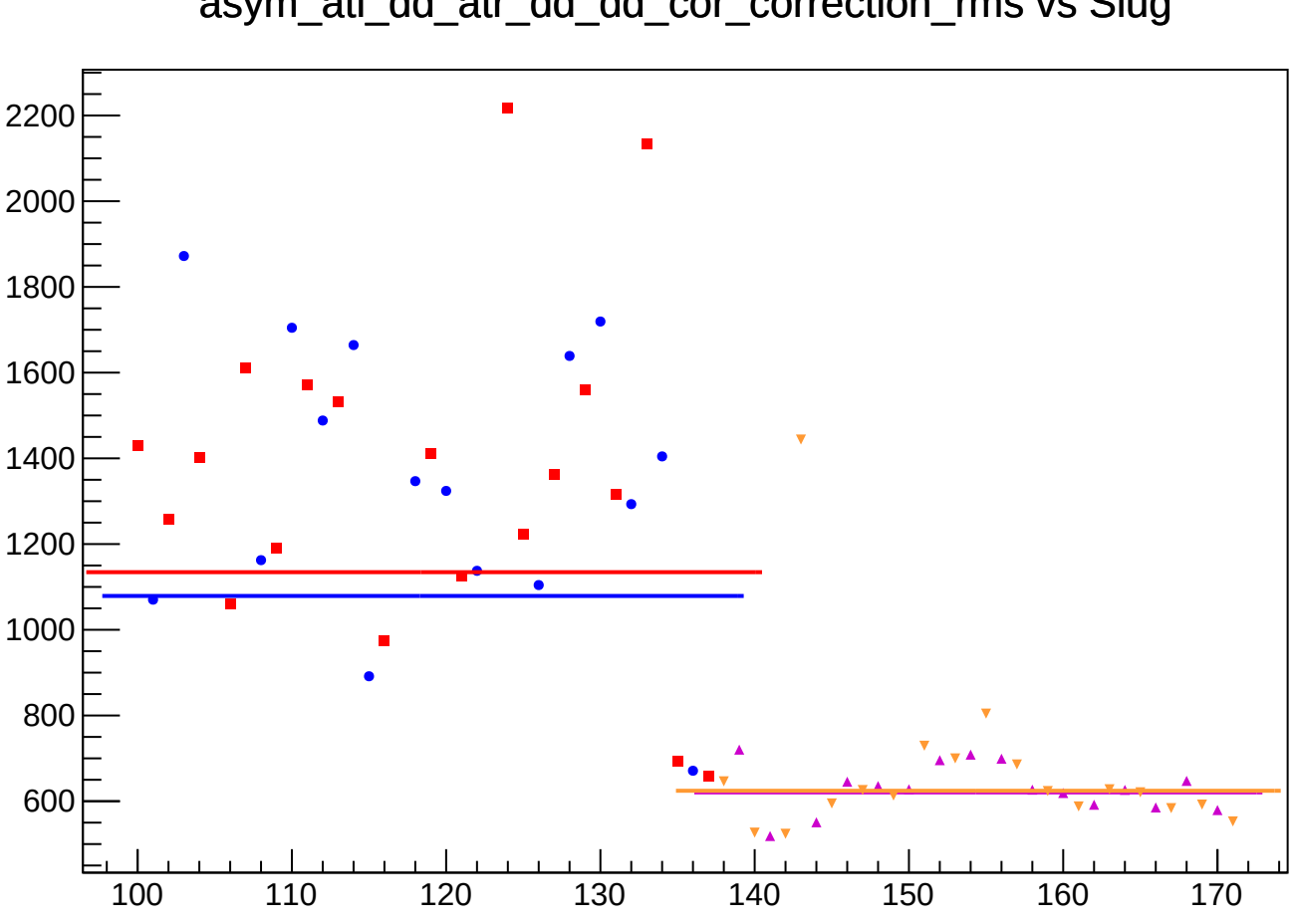
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 45.226+/-171.718 χ^2/NDF:10.7/15

+ sign 738.470+/-156.479 χ^2/NDF: 77.5/33

All: 432.598+/-111.873 χ^2/NDF: 115.5/68

- sign 112.792+/-160.004 χ^2/NDF: 30.2/34



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 624.375+/-0.119 χ^2/NDF:813628.8/17

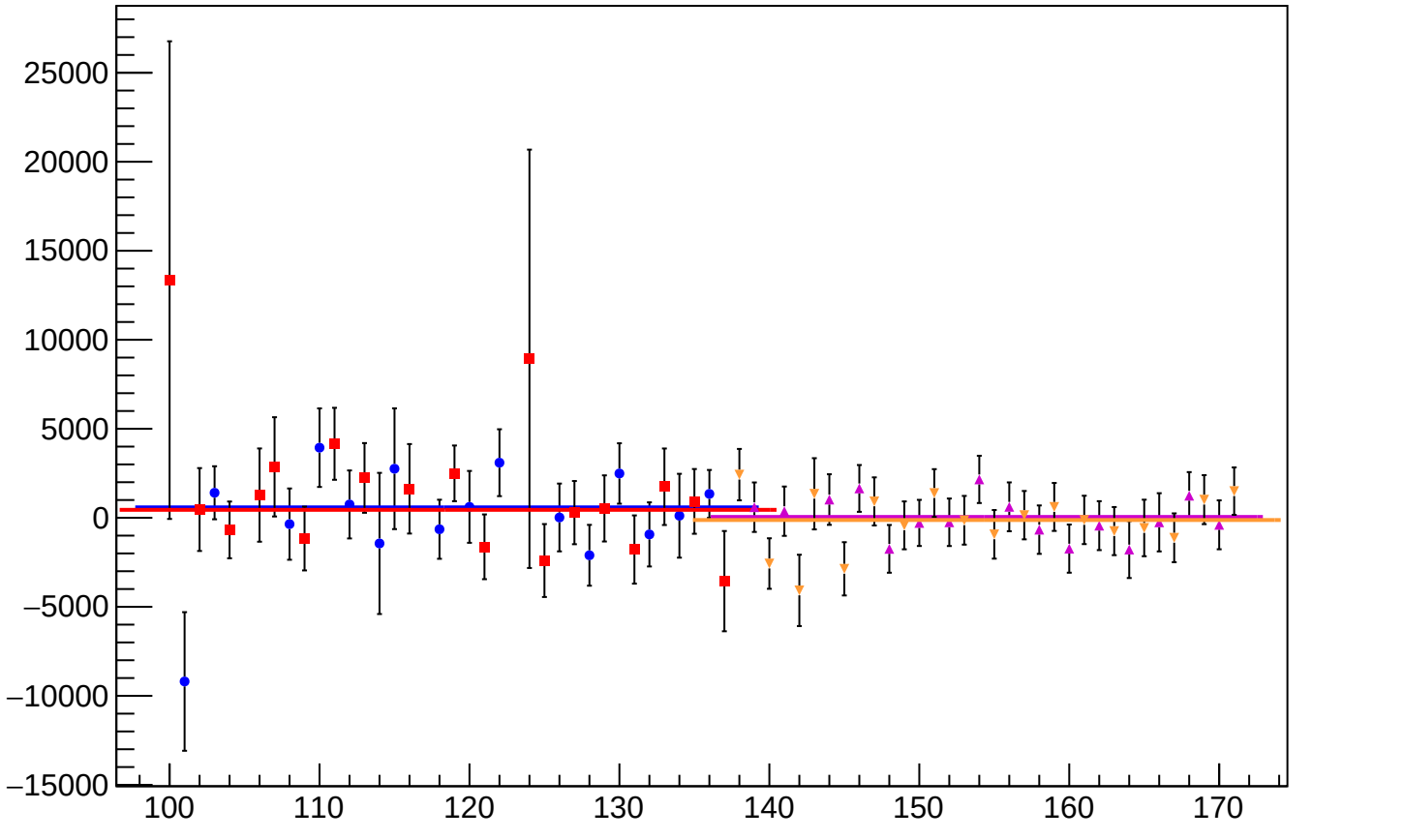
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

+ sign 685.804+/-0.111 χ^2/NDF: 4264888.3/33

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68

- sign 688.233+/-0.113 χ^2/NDF: 3869239.1/34



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

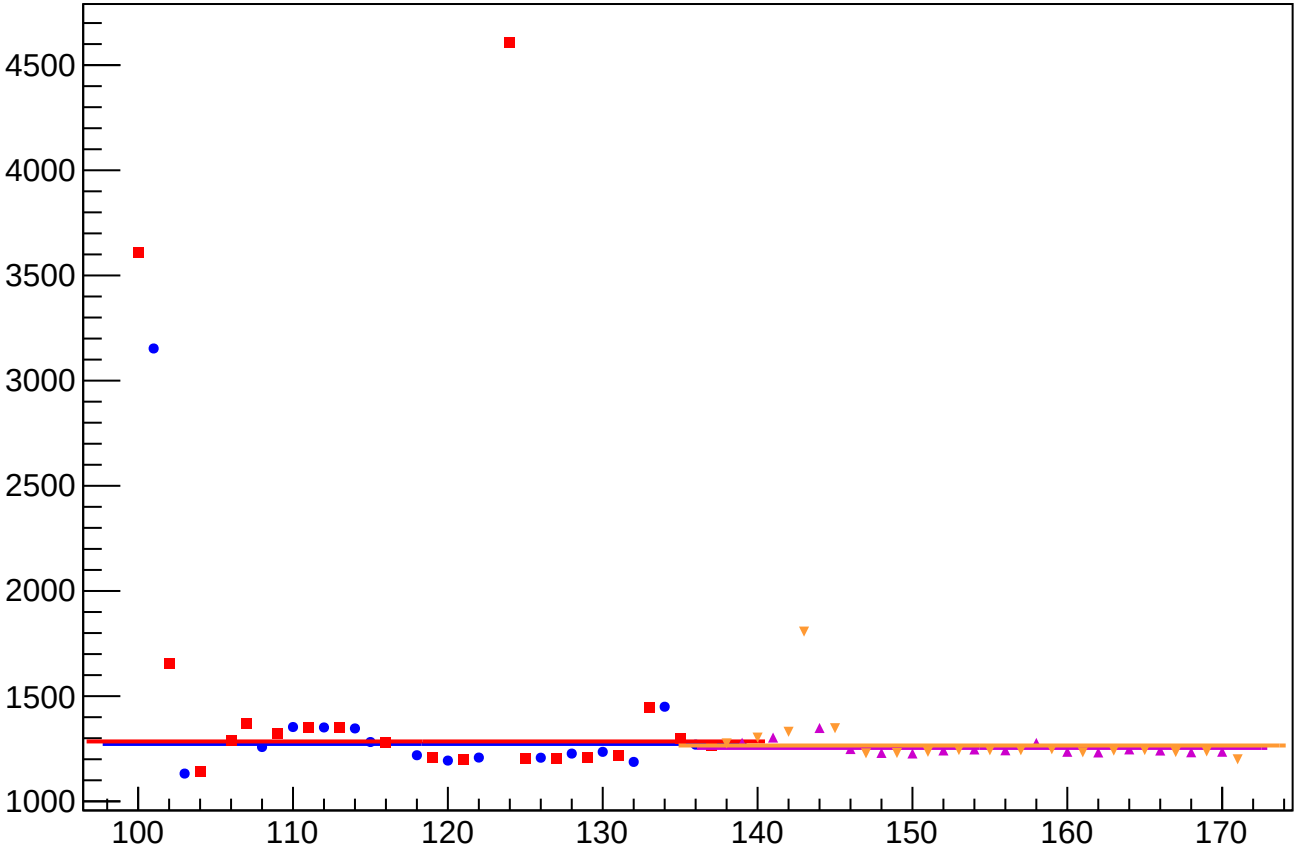
Left In: 48.349+/-344.934 χ^2/NDF:11.2/15

+ sign 108.645+/-275.781 χ^2/NDF: 38.0/33

All: 145.745+/-196.610 χ^2/NDF: 66.5/68

- sign 184.091+/-280.374 χ^2/NDF: 28.4/34

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: 1265.405+/-0.238 χ^2/NDF:171106.8/17

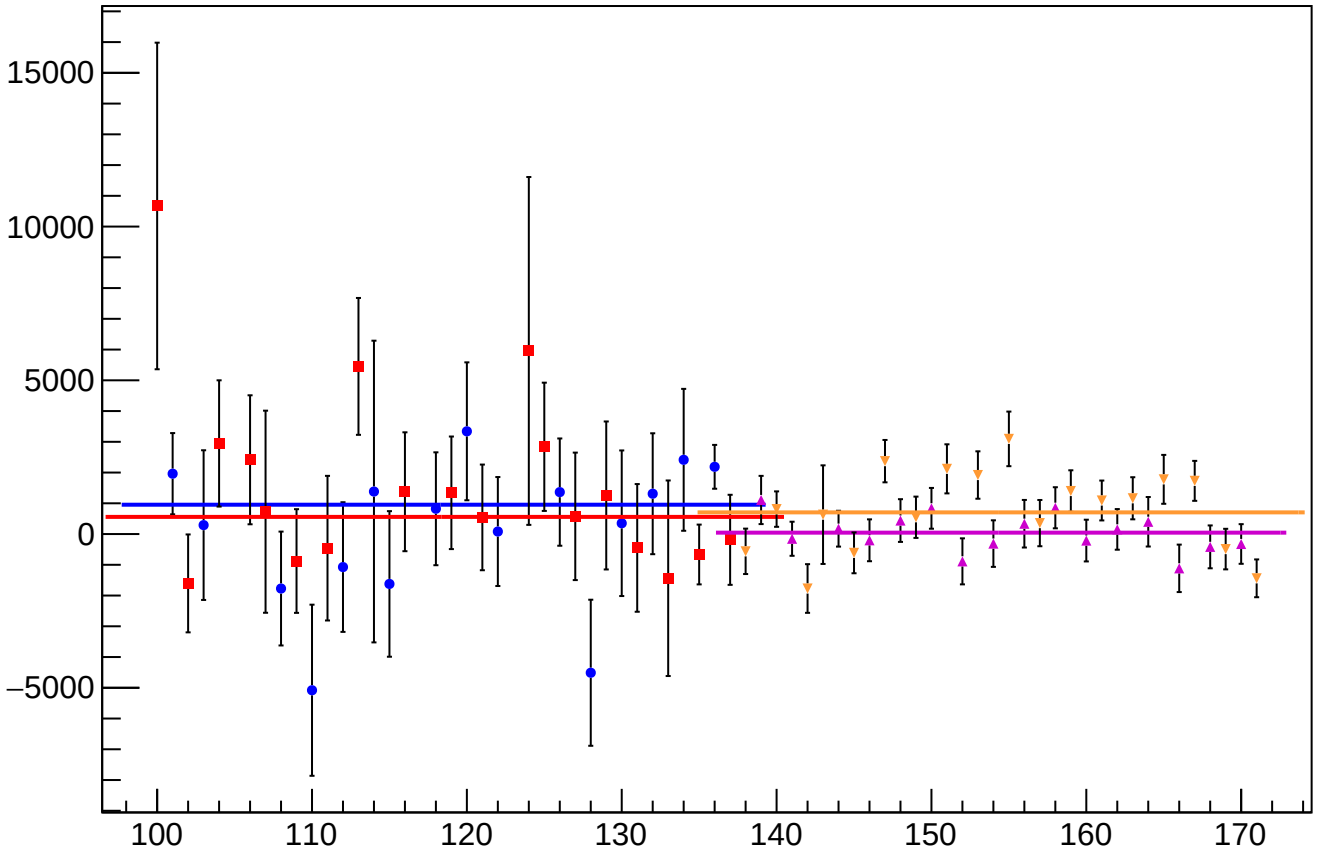
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690723.1/33

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68

- sign 1264.309+/-0.198 χ^2/NDF: 350486.1/34



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

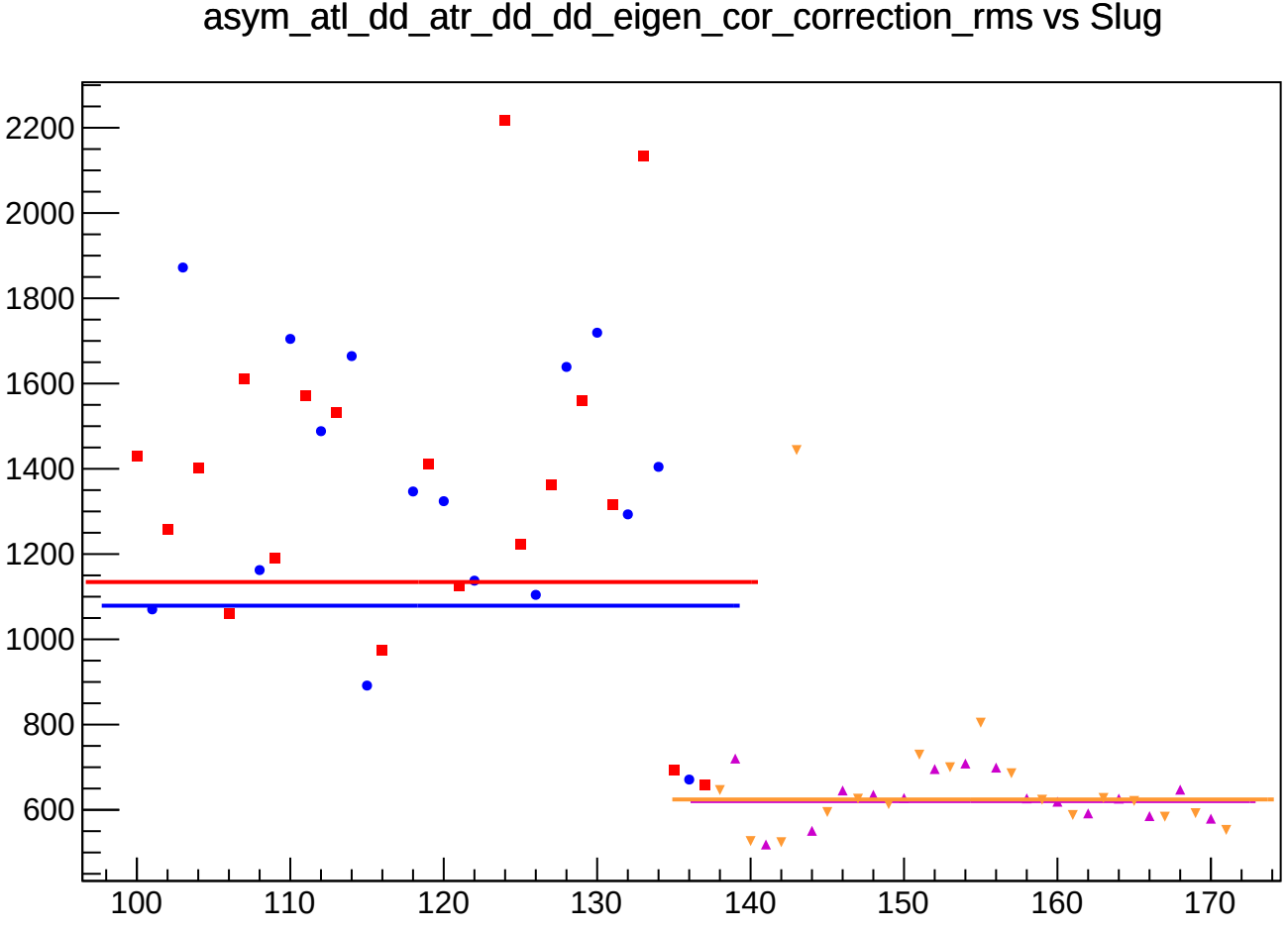
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 45.226+/-171.718 χ^2/NDF:10.7/15

+ sign 738.470+/-156.479 χ^2/NDF: 77.5/33

All: 432.598+/-111.873 χ^2/NDF: 115.5/68

- sign 112.792+/-160.004 χ^2/NDF: 30.2/34



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

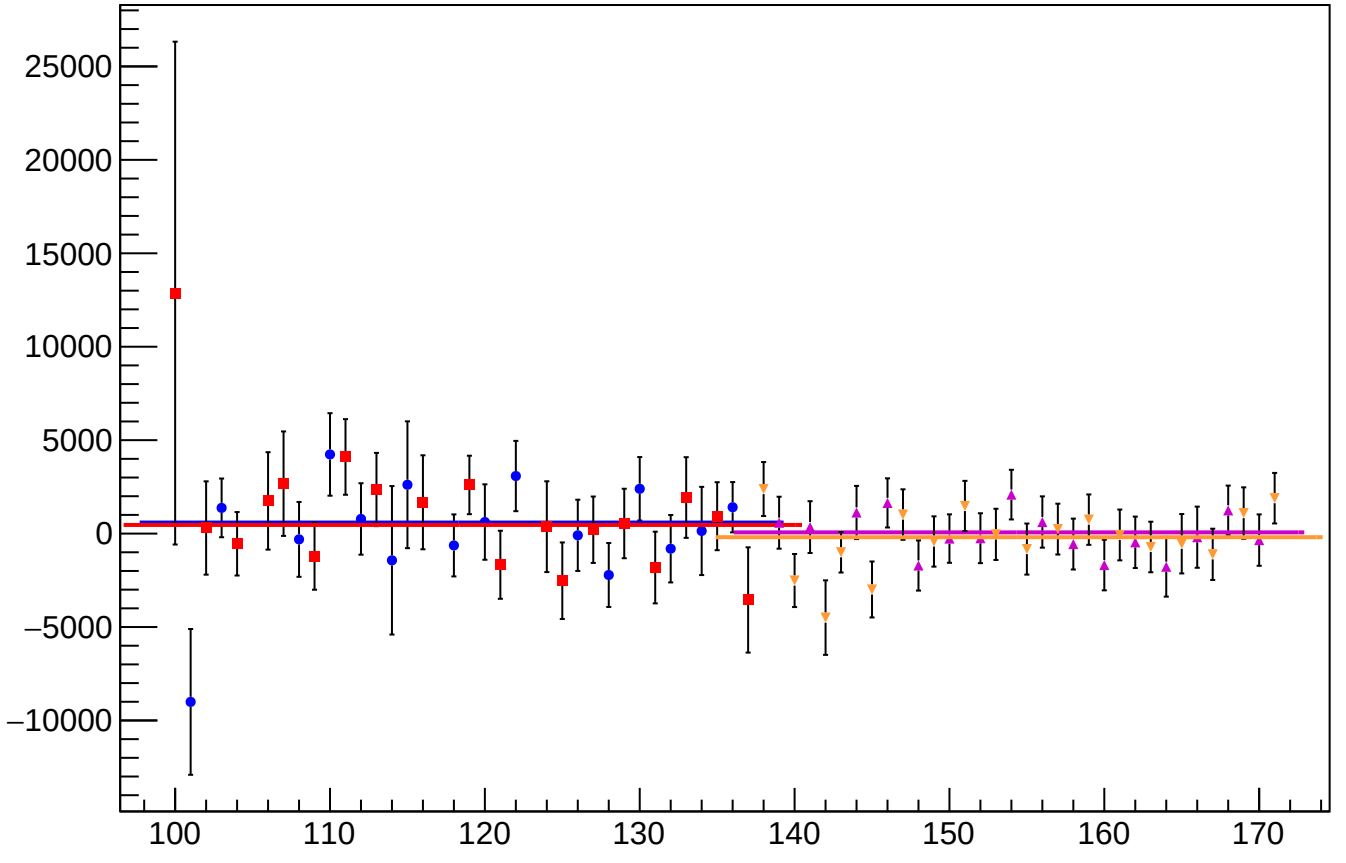
Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

\+ sign 685.804+/-0.111 χ^2/NDF: 4264888.3/33

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68

\- sign 688.233+/-0.113 χ^2/NDF: 3869239.1/34

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.203+/-325.732 χ^2/NDF:21.7/17

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

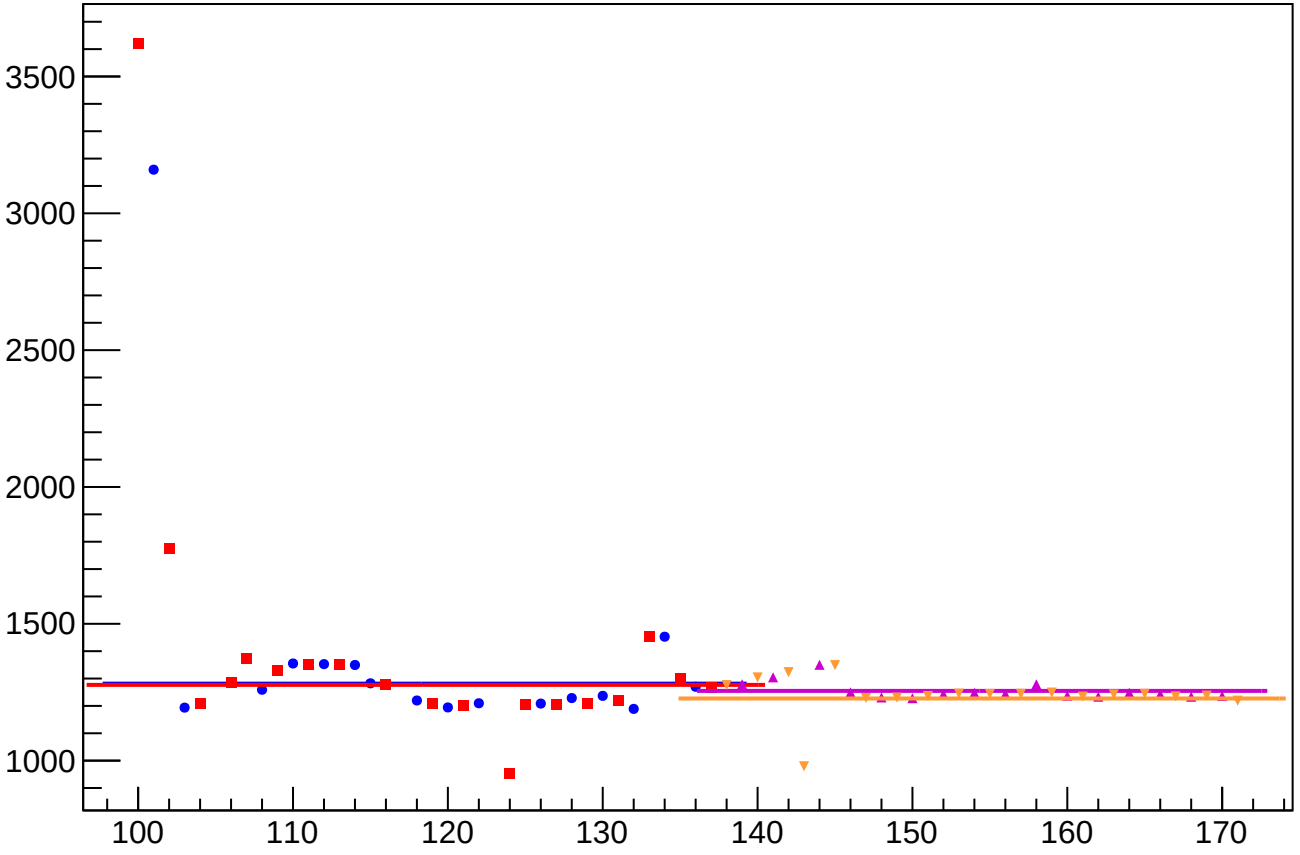
Left In: 65.098+/-345.215 χ^2/NDF:10.8/15

+ sign 50.022+/-270.490 χ^2/NDF: 40.6/33

All: 123.399+/-194.412 χ^2/NDF: 68.6/68

- sign 201.812+/-279.618 χ^2/NDF: 27.9/34

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.8/17

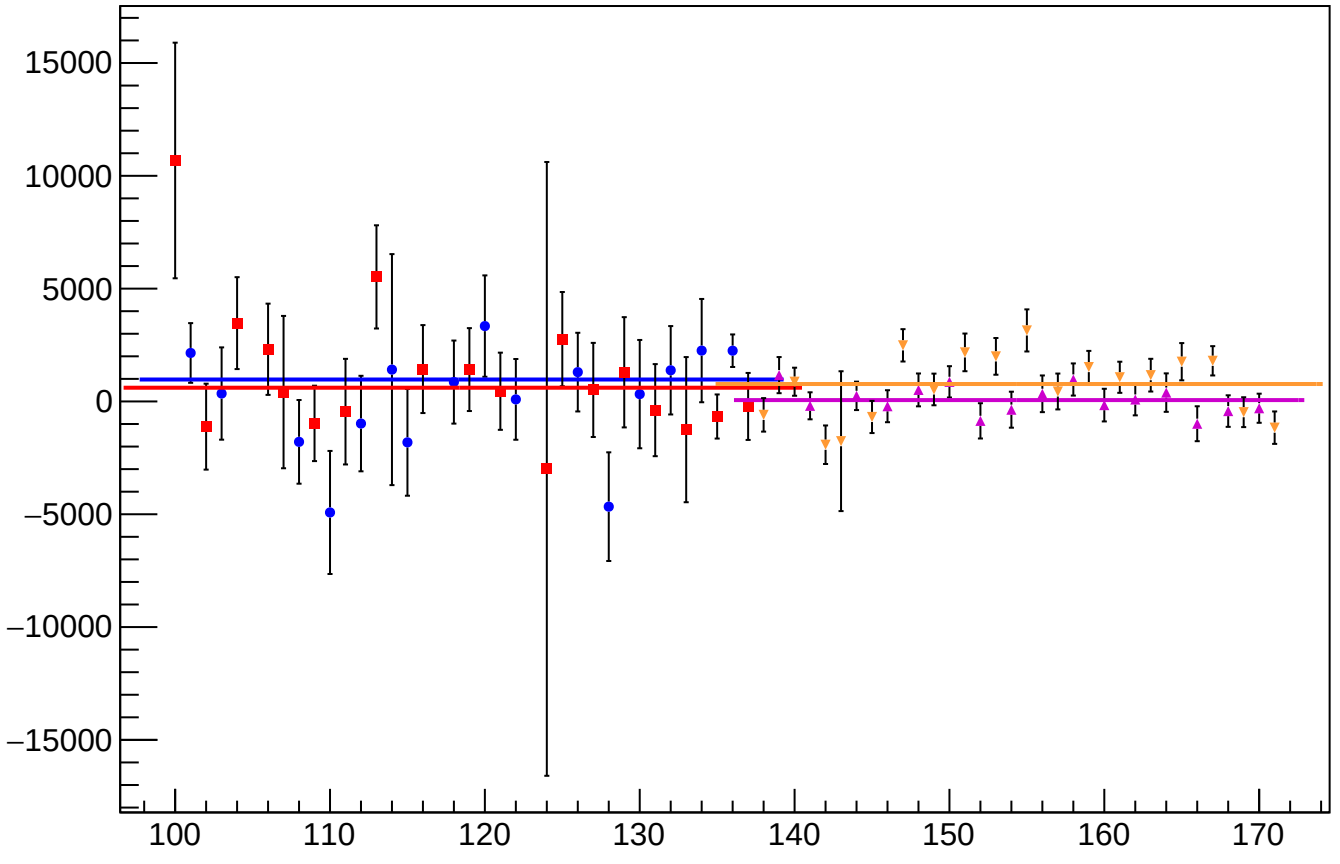
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

+ sign 1243.958+/-0.191 χ^2/NDF: 657272.0/33

All: 1252.891+/-0.137 χ^2/NDF: 901572.8/68

- sign 1262.438+/-0.198 χ^2/NDF: 239788.0/34



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 772.412+/-178.147 χ^2/NDF:52.1/17

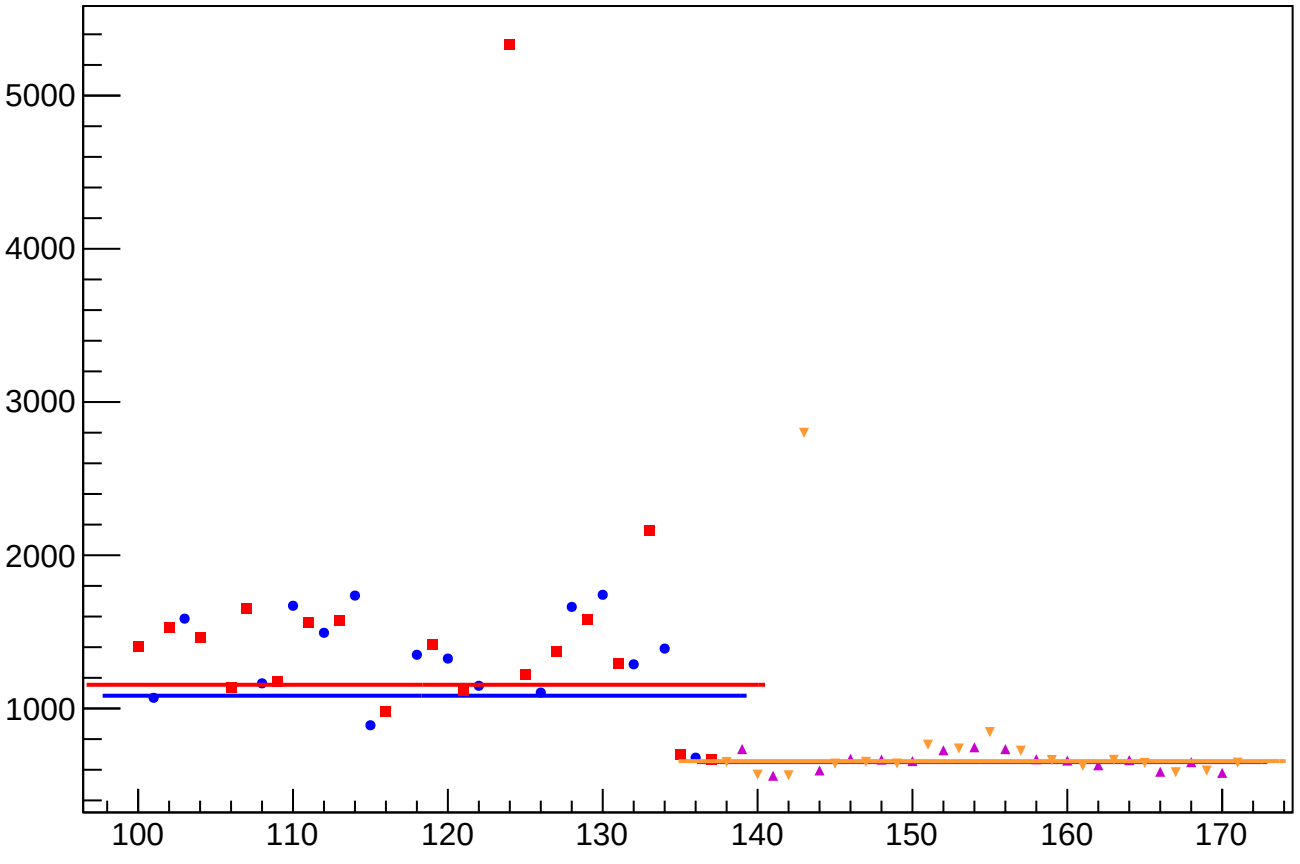
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 59.943+/-179.784 χ^2/NDF:10.4/15

+ sign 802.257+/-164.309 χ^2/NDF: 72.8/33

All: 474.261+/-117.067 χ^2/NDF: 109.6/68

- sign 136.099+/-166.836 χ^2/NDF: 28.8/34



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220528.3/17

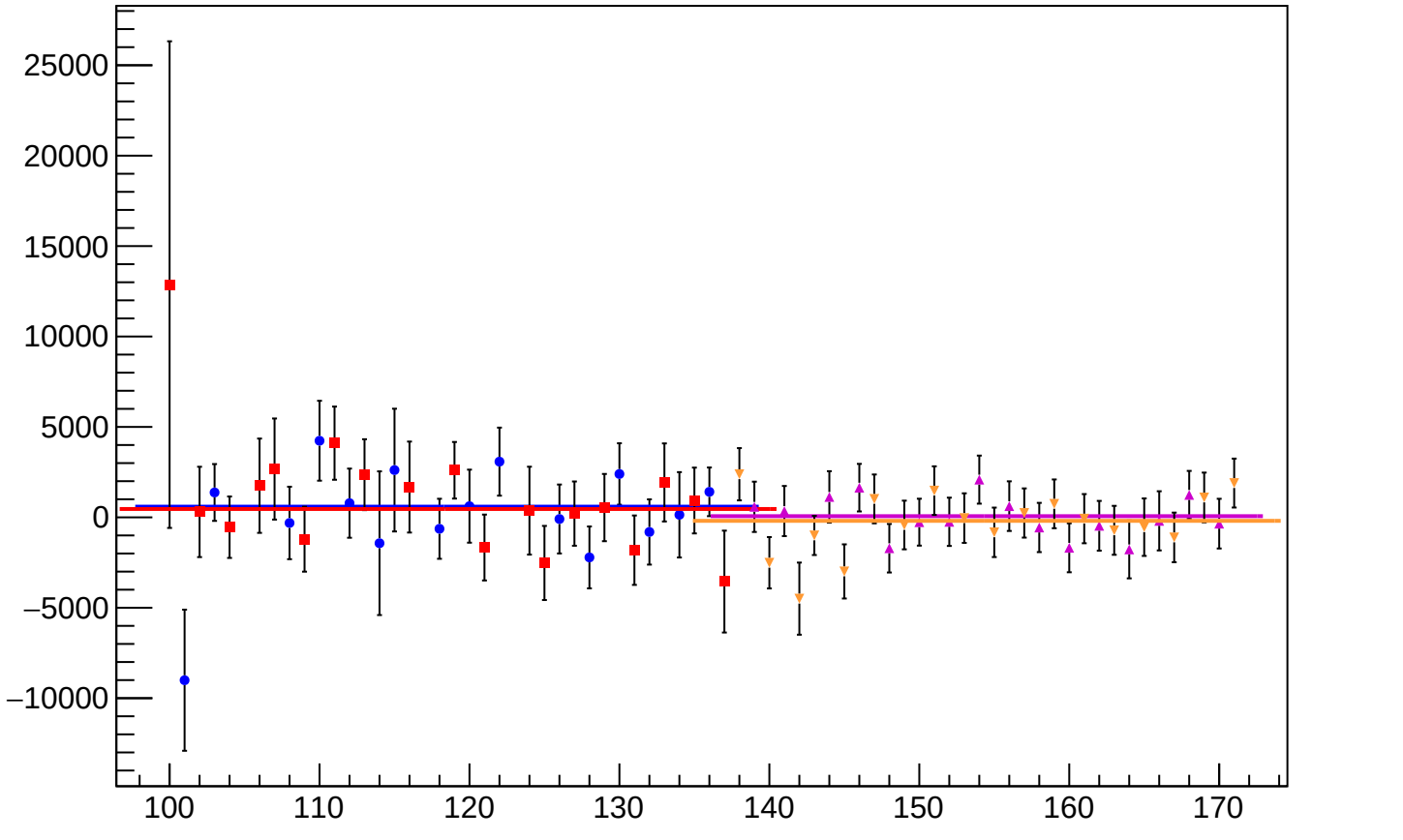
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 650.105+/-0.127 χ^2/NDF:196459.3/15

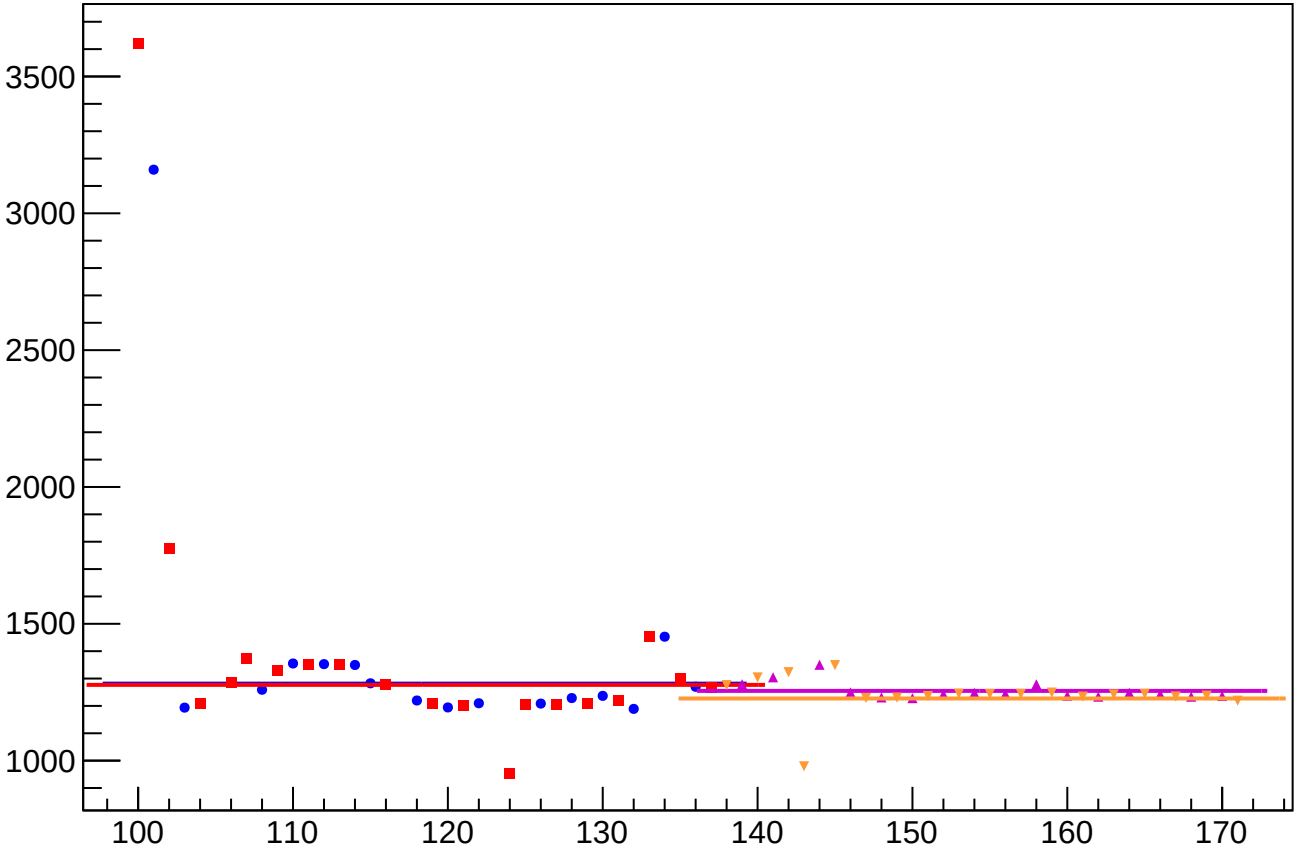
+ sign 720.192+/-0.116 χ^2/NDF: 4295392.8/33

All: 720.181+/-0.083 χ^2/NDF: 8167904.6/68

- sign 720.170+/-0.118 χ^2/NDF: 3872511.8/34


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -193.205+/-325.732 χ²/NDF:21.7/17
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 65.097+/-345.215 χ²/NDF:10.8/15
+ sign 50.021+/-270.490 χ²/NDF: 40.6/33
All: 123.398+/-194.412 χ²/NDF: 68.6/68
- sign 201.811+/-279.618 χ²/NDF: 27.9/34

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: 1227.116+/-0.230 χ^2/NDF:132970.1/17

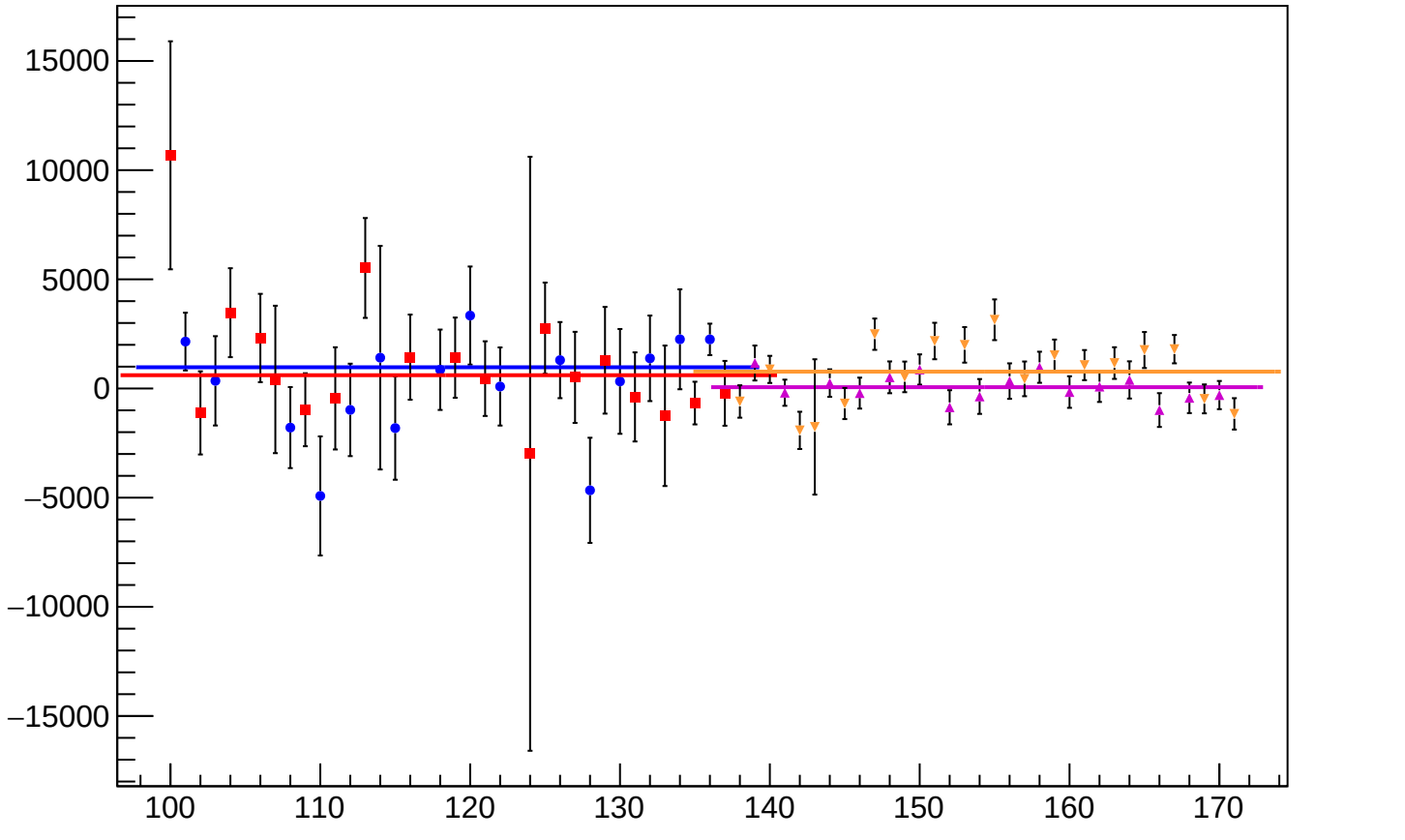
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

+ sign 1243.958+/-0.191 χ^2/NDF: 657271.4/33

All: 1252.891+/-0.137 χ^2/NDF: 901572.0/68

- sign 1262.438+/-0.198 χ^2/NDF: 239787.9/34



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 772.413+/-178.147 χ^2/NDF:52.1/17

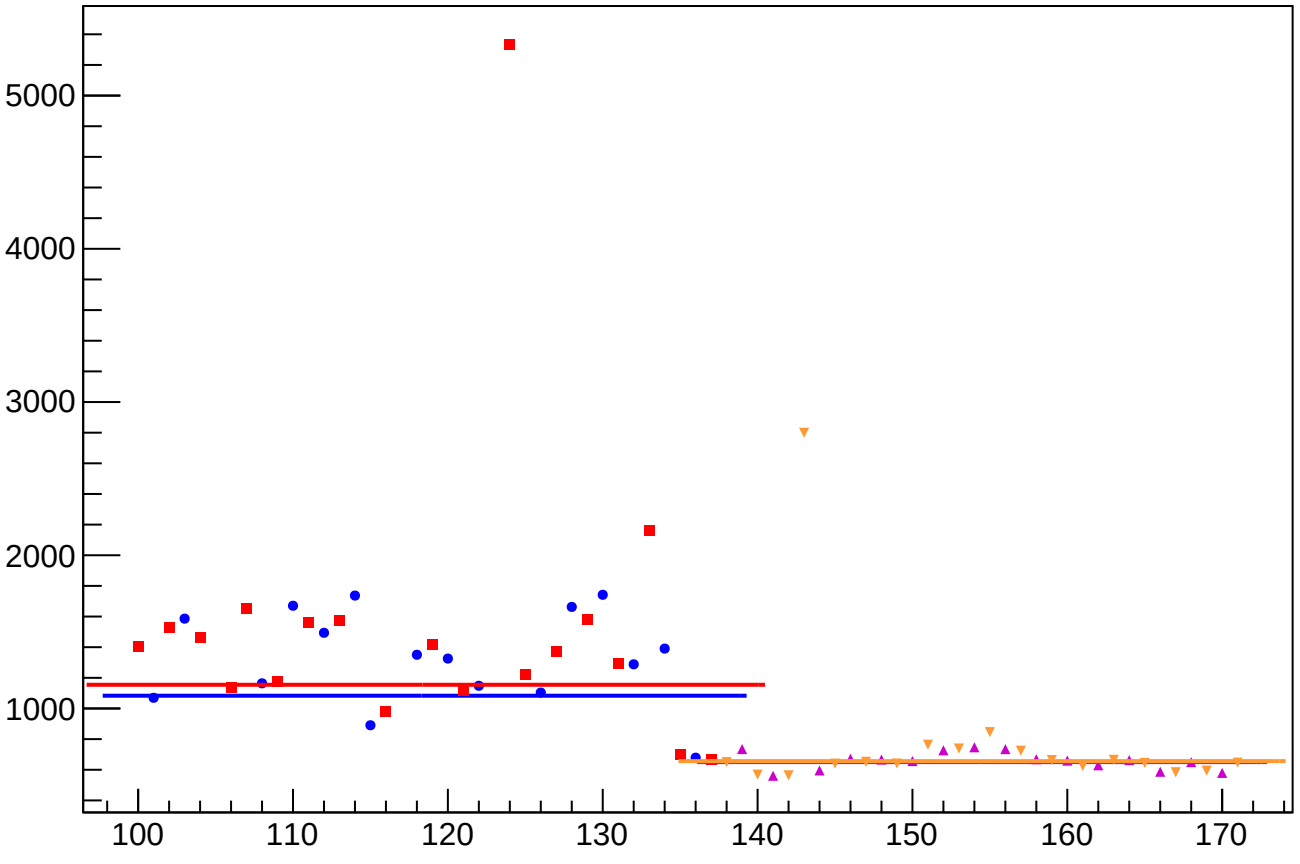
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 59.941+/-179.784 χ^2/NDF:10.4/15

+ sign 802.256+/-164.309 χ^2/NDF: 72.8/33

All: 474.260+/-117.067 χ^2/NDF: 109.6/68

- sign 136.098+/-166.836 χ^2/NDF: 28.8/34



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220524.1/17

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

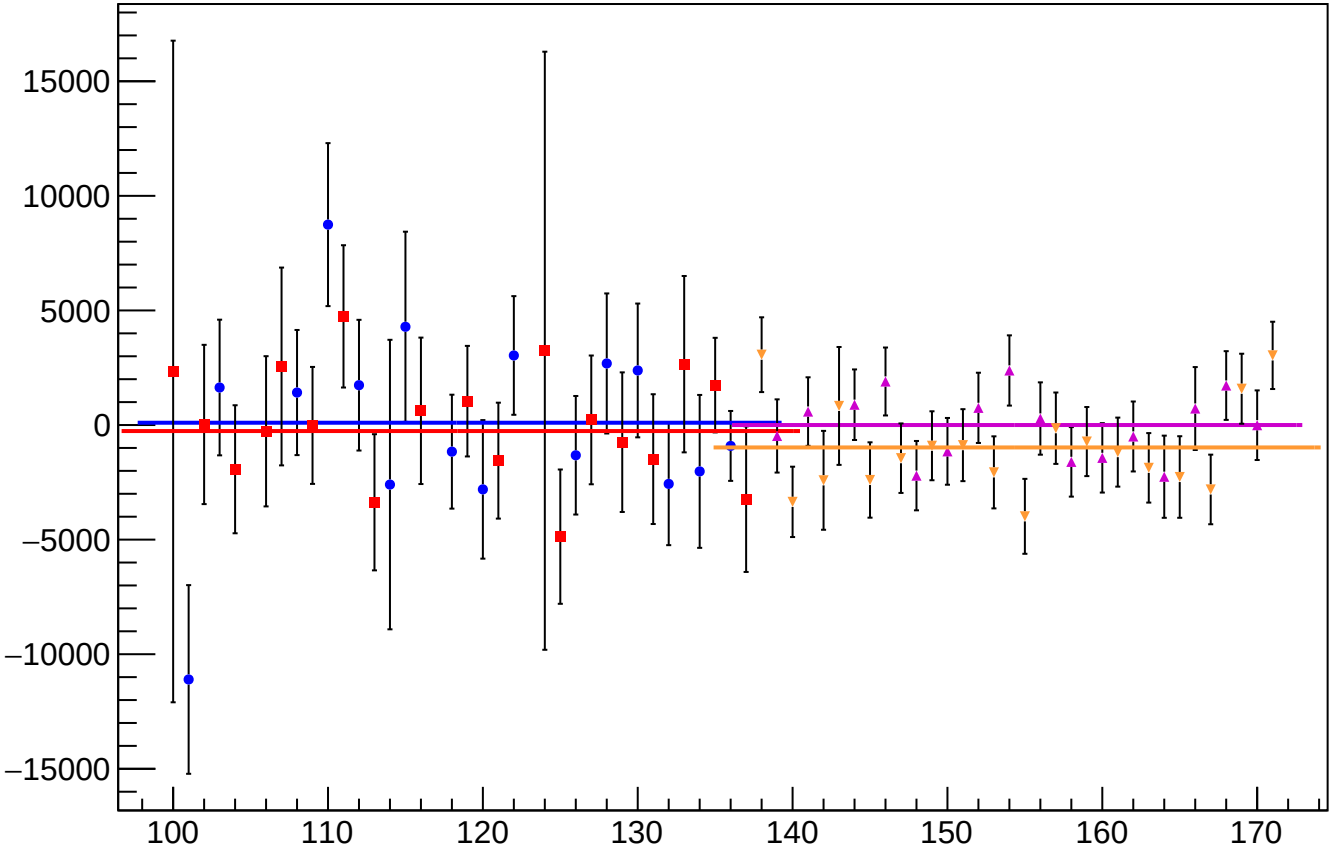
Left In: 650.104+/-0.127 χ^2/NDF:196462.8/15

+ sign 720.192+/-0.116 χ^2/NDF: 4295371.0/33

All: 720.182+/-0.083 χ^2/NDF: 8167885.7/68

- sign 720.170+/-0.118 χ^2/NDF: 3872514.7/34

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -977.982+/-378.844 χ^2/NDF:27.2/17

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

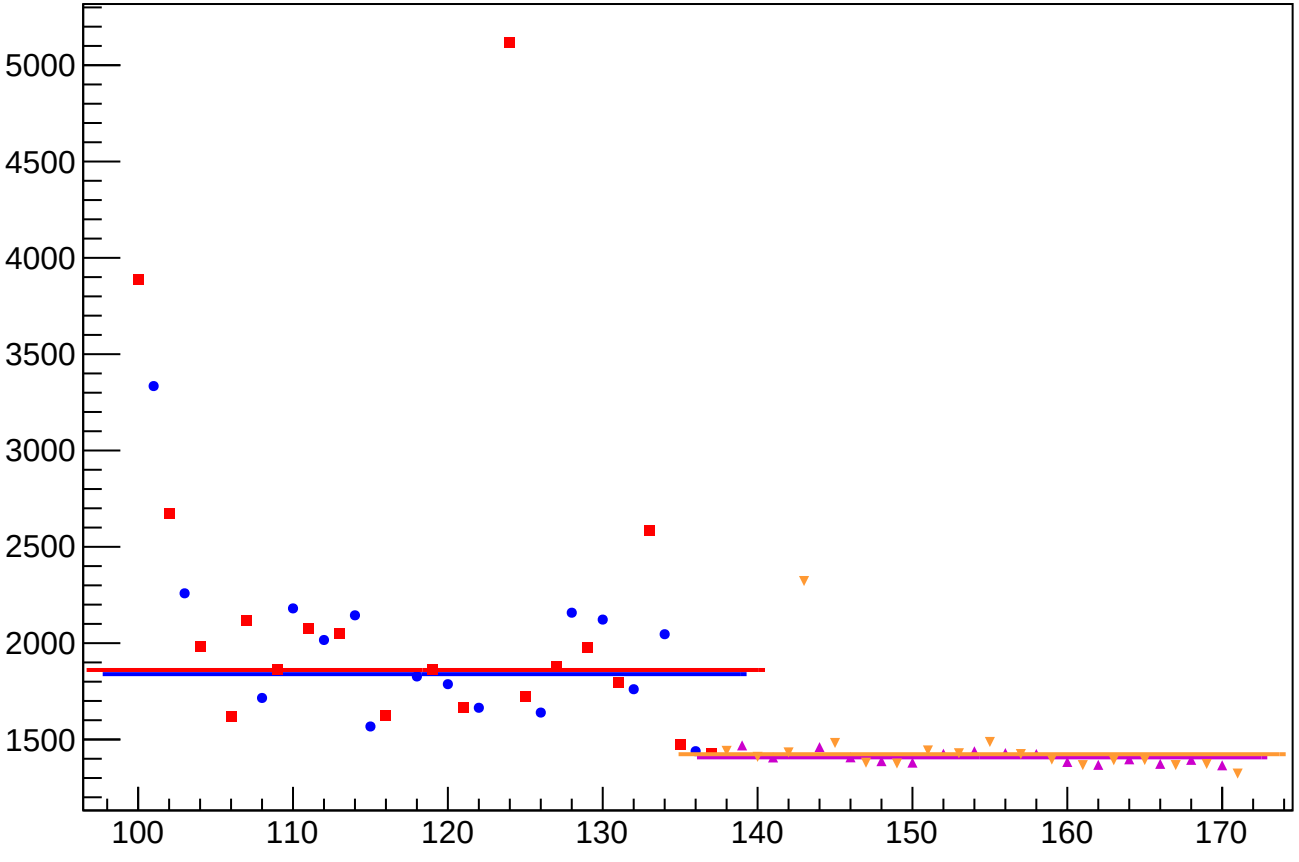
Left In: -0.002+/-387.127 χ^2/NDF:12.8/15

+ sign -733.115+/-333.069 χ^2/NDF: 50.3/33

All: -403.013+/-237.495 χ^2/NDF: 75.6/68

- sign -61.574+/-338.740 χ^2/NDF: 23.3/34

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1423.537+/-0.268 χ^2/NDF:273635.8/17

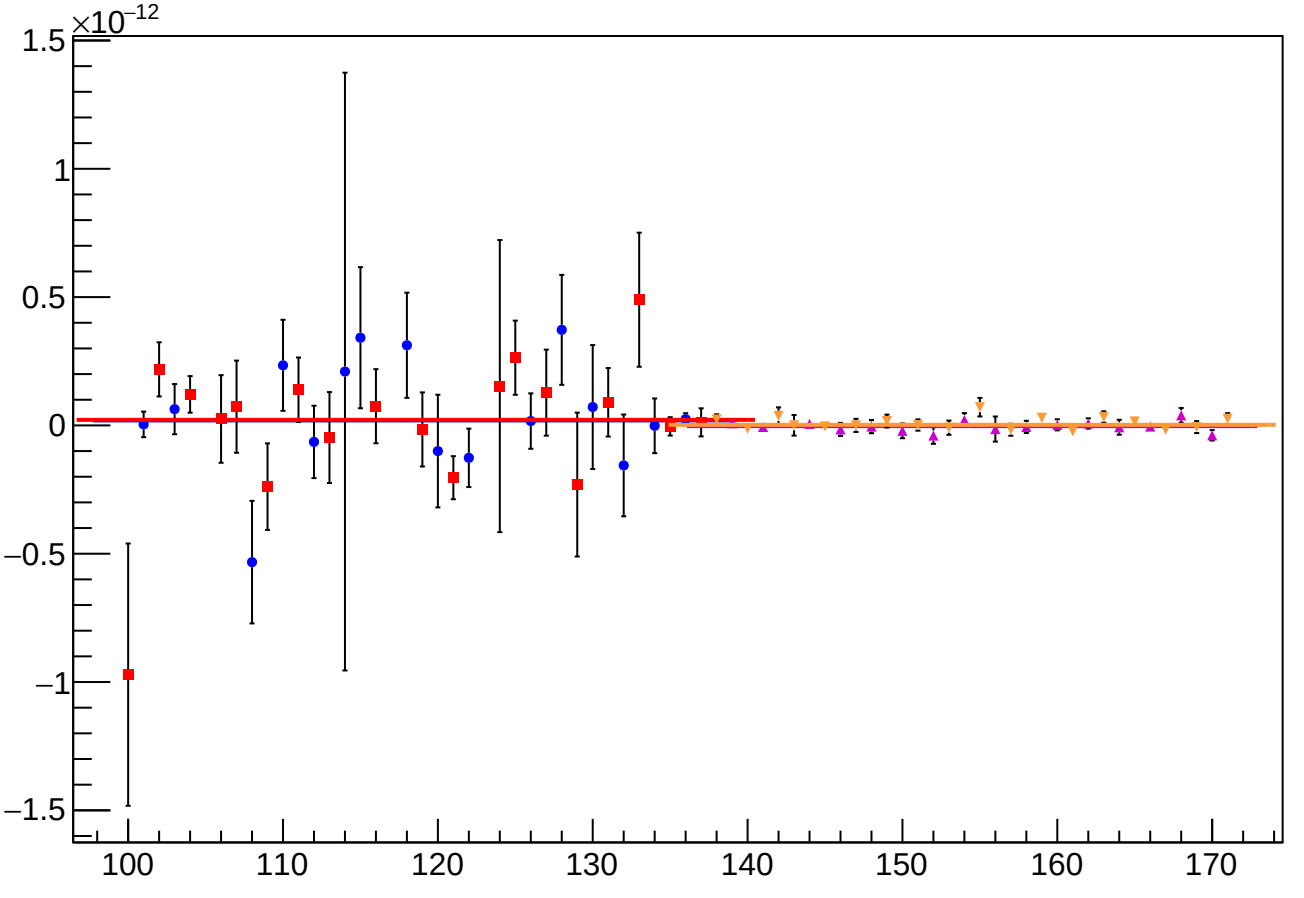
Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1407.223+/-0.274 χ^2/NDF:12431.6/15

+ sign 1517.897+/-0.236 χ^2/NDF: 1376805.3/33

All: 1515.742+/-0.168 χ^2/NDF: 2554835.0/68

- sign 1513.514+/-0.240 χ^2/NDF: 1177859.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/17

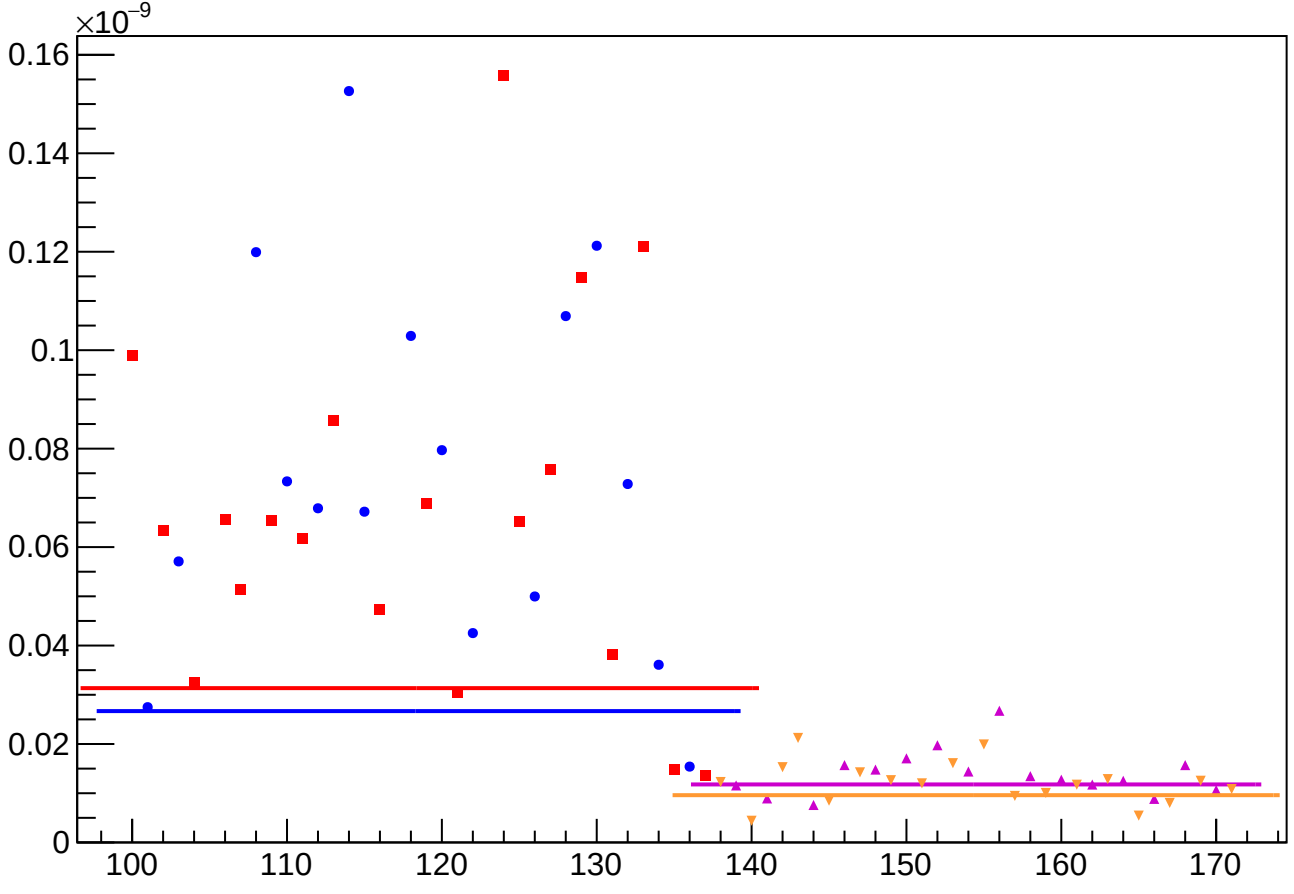
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/33

All: 0.000+/-0.000 χ^2/NDF: 74.6/68

- sign -0.000+/-0.000 χ^2/NDF: 38.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397609.7/17

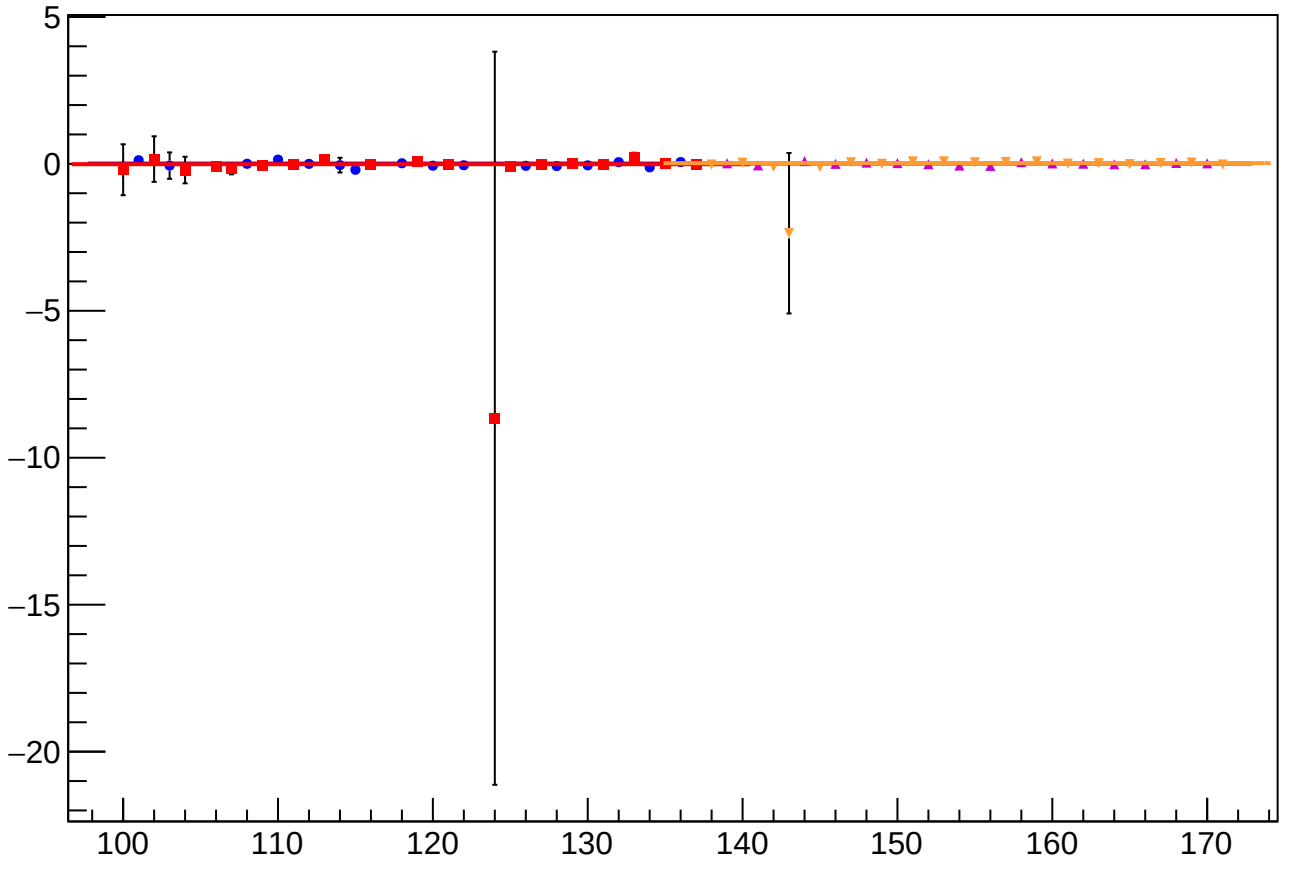
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831726.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 5532589.4/33

All: 0.000+/-0.000 χ^2/NDF: 10309657.7/68

- sign 0.000+/-0.000 χ^2/NDF: 4558212.3/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

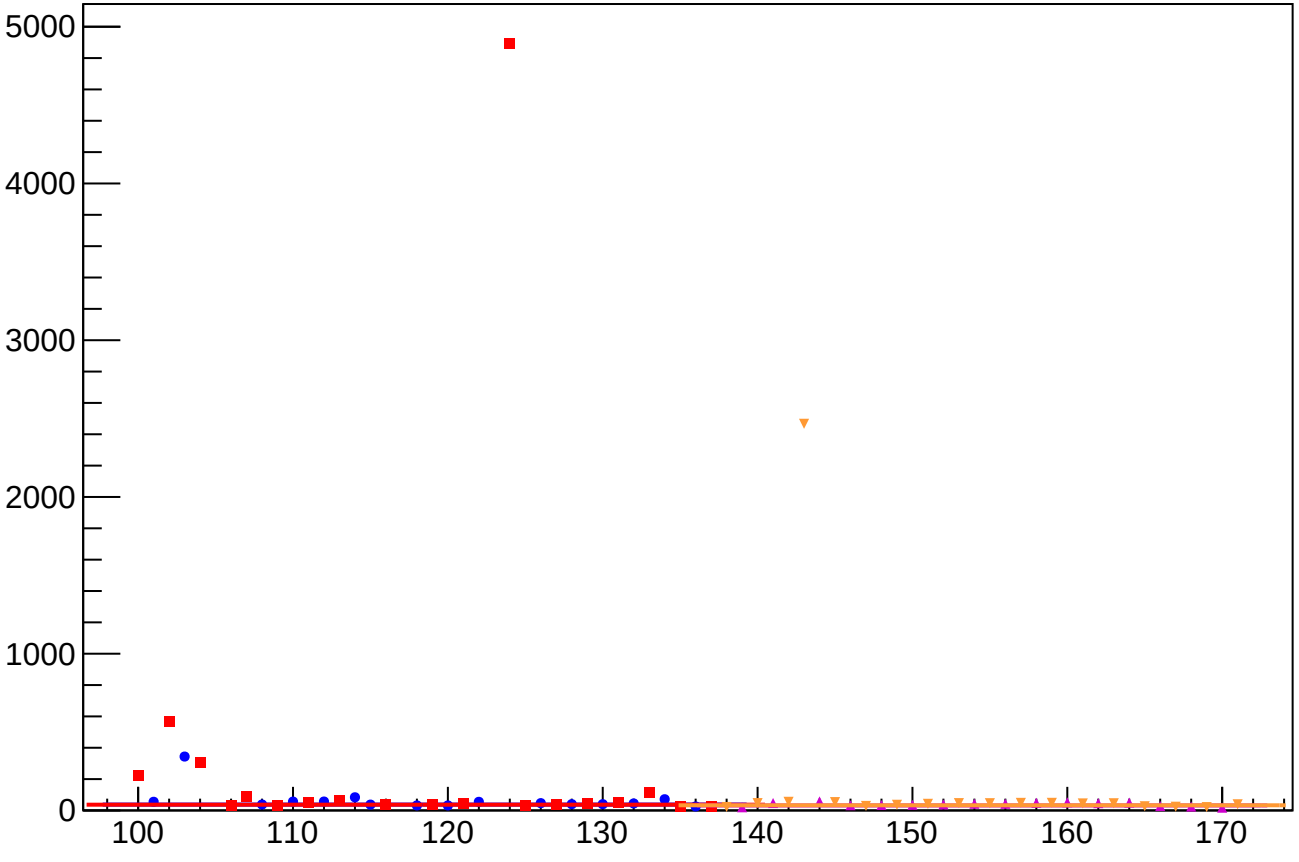
Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34

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: 32.975+/-0.007 χ^2/NDF:3975971.6/17

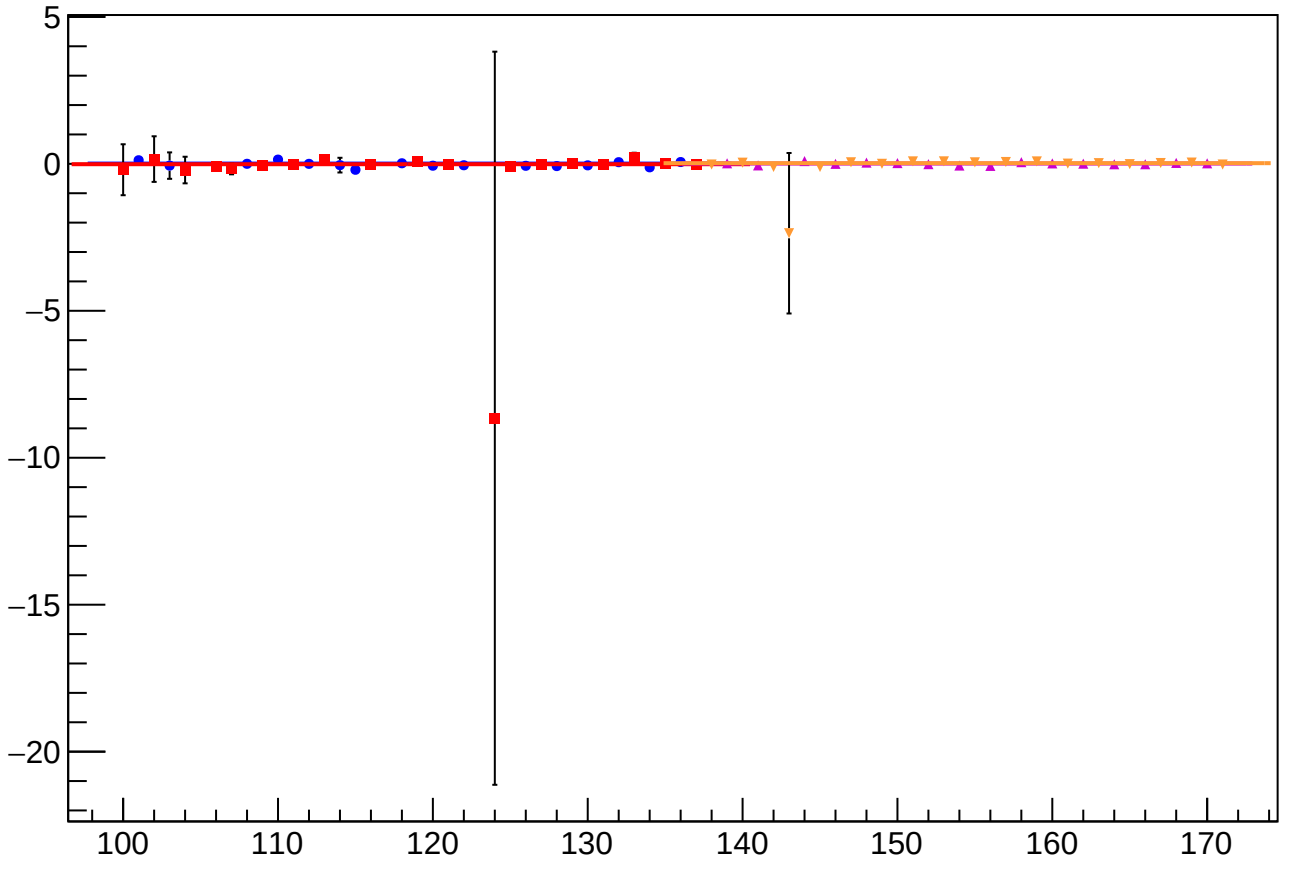
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

+ sign 34.281+/-0.006 χ^2/NDF: 6071595.1/33

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

- sign 33.182+/-0.006 χ^2/NDF: 6030156.7/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

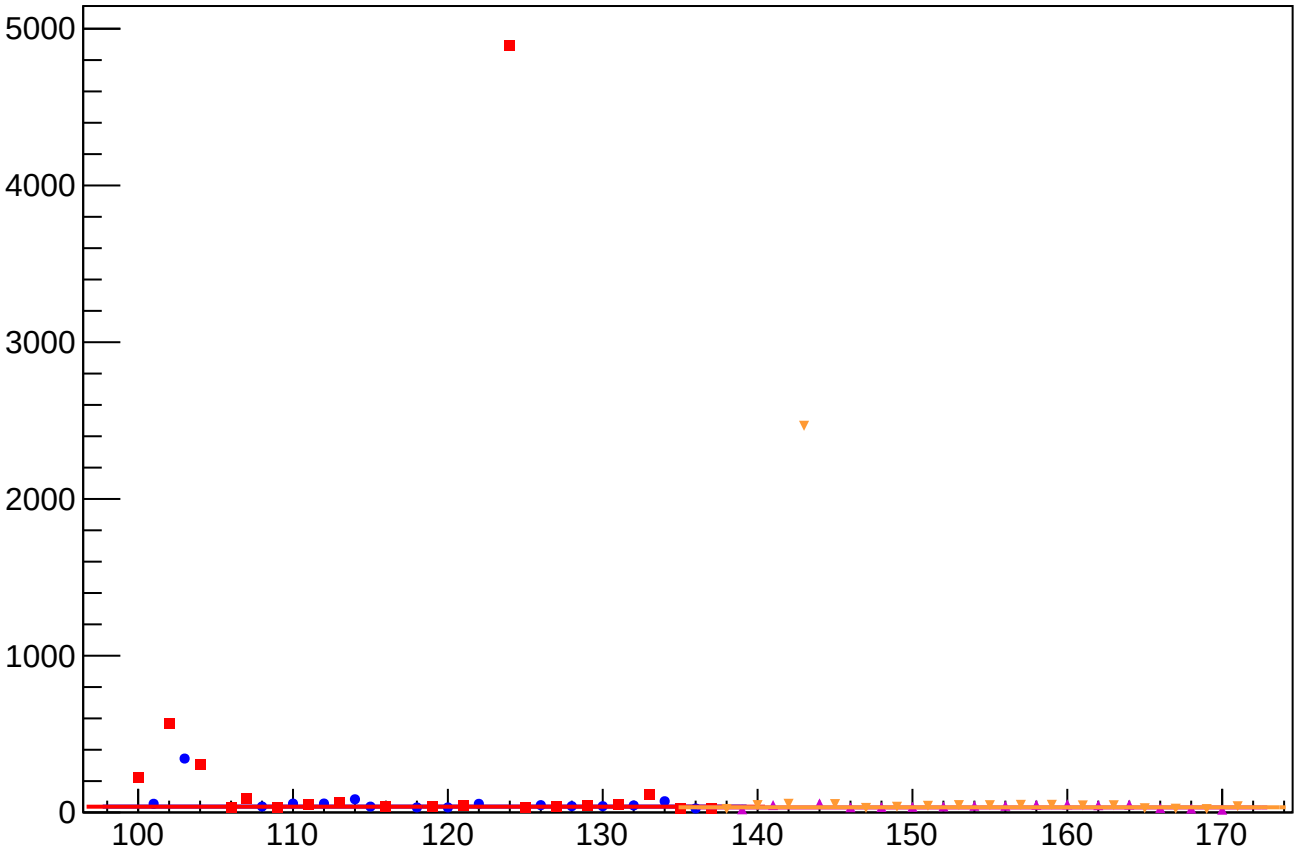
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

\+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

\- sign 0.004+/-0.009 χ^2/NDF: 24.8/34



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 32.975+/-0.007 χ^2/NDF:3975971.6/17

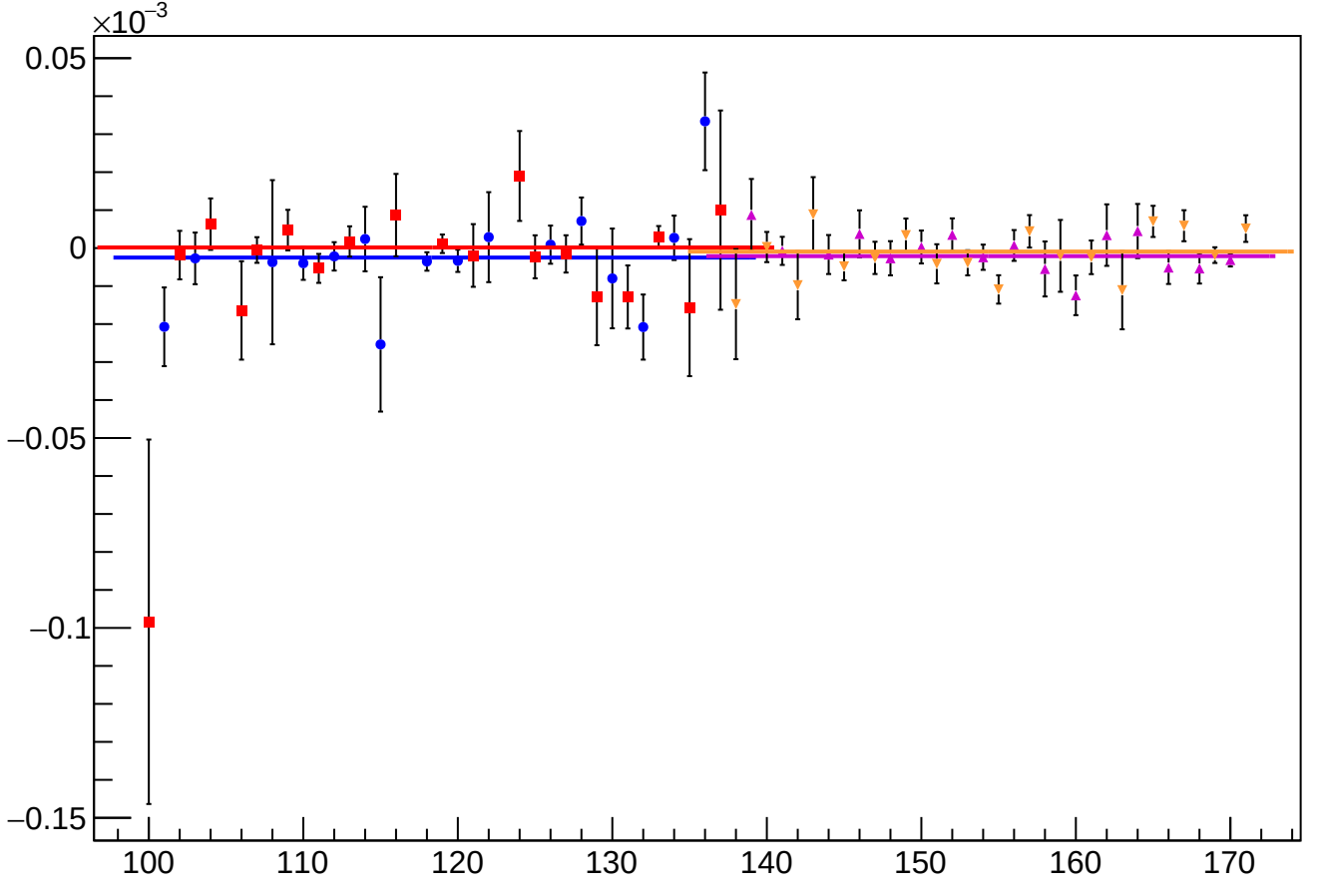
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

+ sign 34.281+/-0.006 χ^2/NDF: 6071595.1/33

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

- sign 33.182+/-0.006 χ^2/NDF: 6030156.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/17

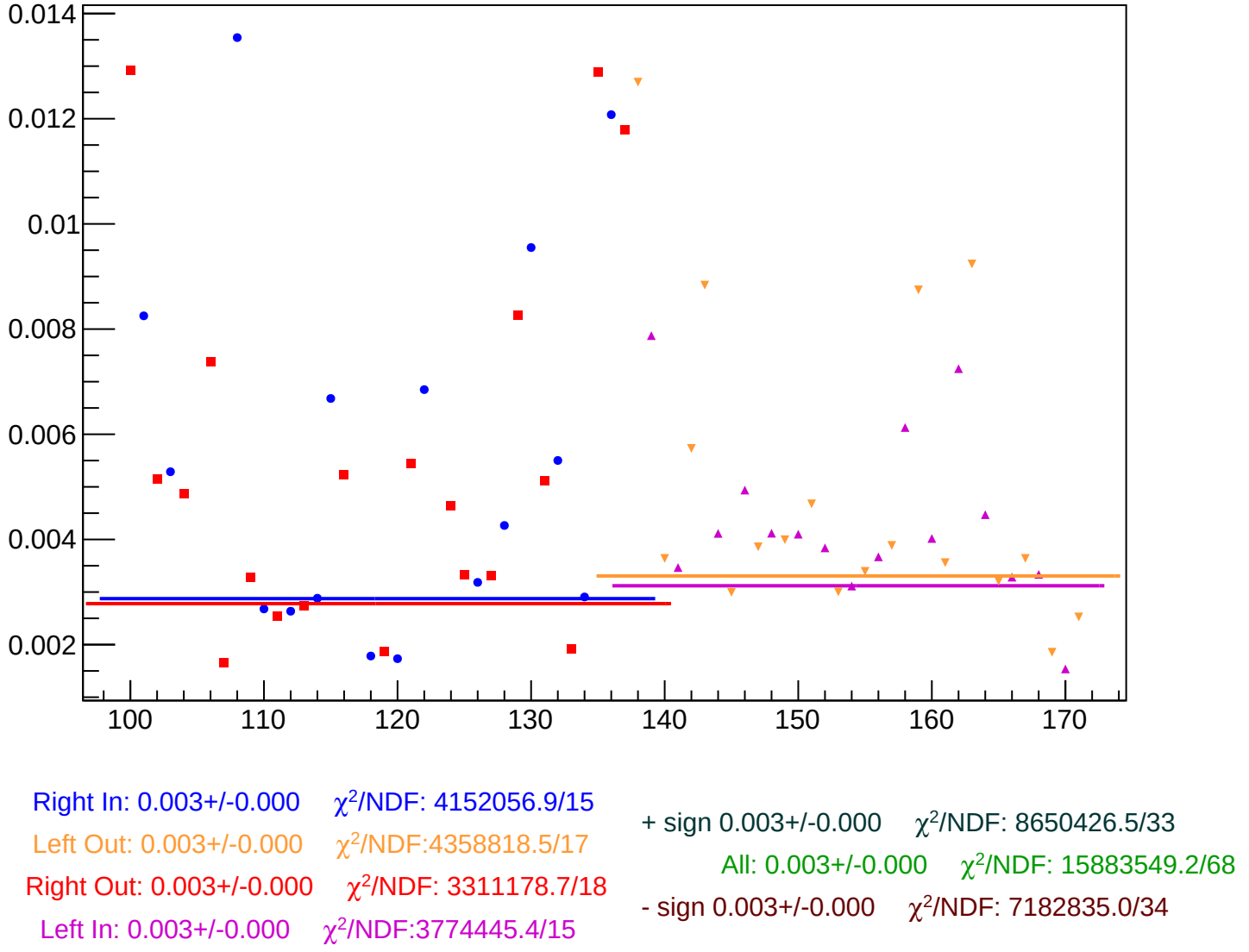
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

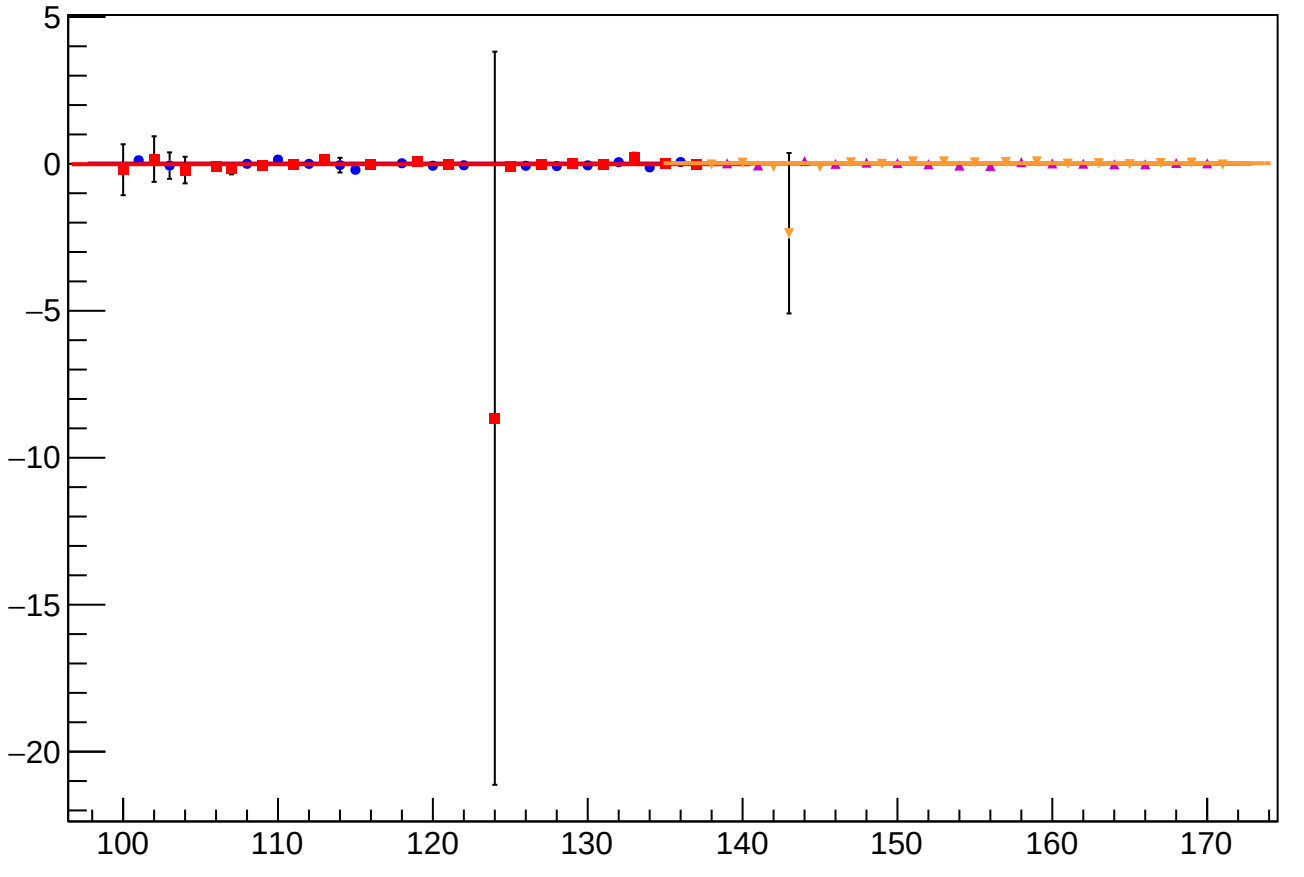
Left In: -0.000+/-0.000 χ^2/NDF:11.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/33

All: -0.000+/-0.000 χ^2/NDF: 81.6/68

- sign -0.000+/-0.000 χ^2/NDF: 32.8/34


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.003+/-0.000 χ²/NDF:4358818.5/17
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.003+/-0.000 χ²/NDF:3774445.4/15
+ sign 0.003+/-0.000 χ²/NDF: 8650426.5/33
All: 0.003+/-0.000 χ²/NDF: 15883549.2/68
- sign 0.003+/-0.000 χ²/NDF: 7182835.0/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

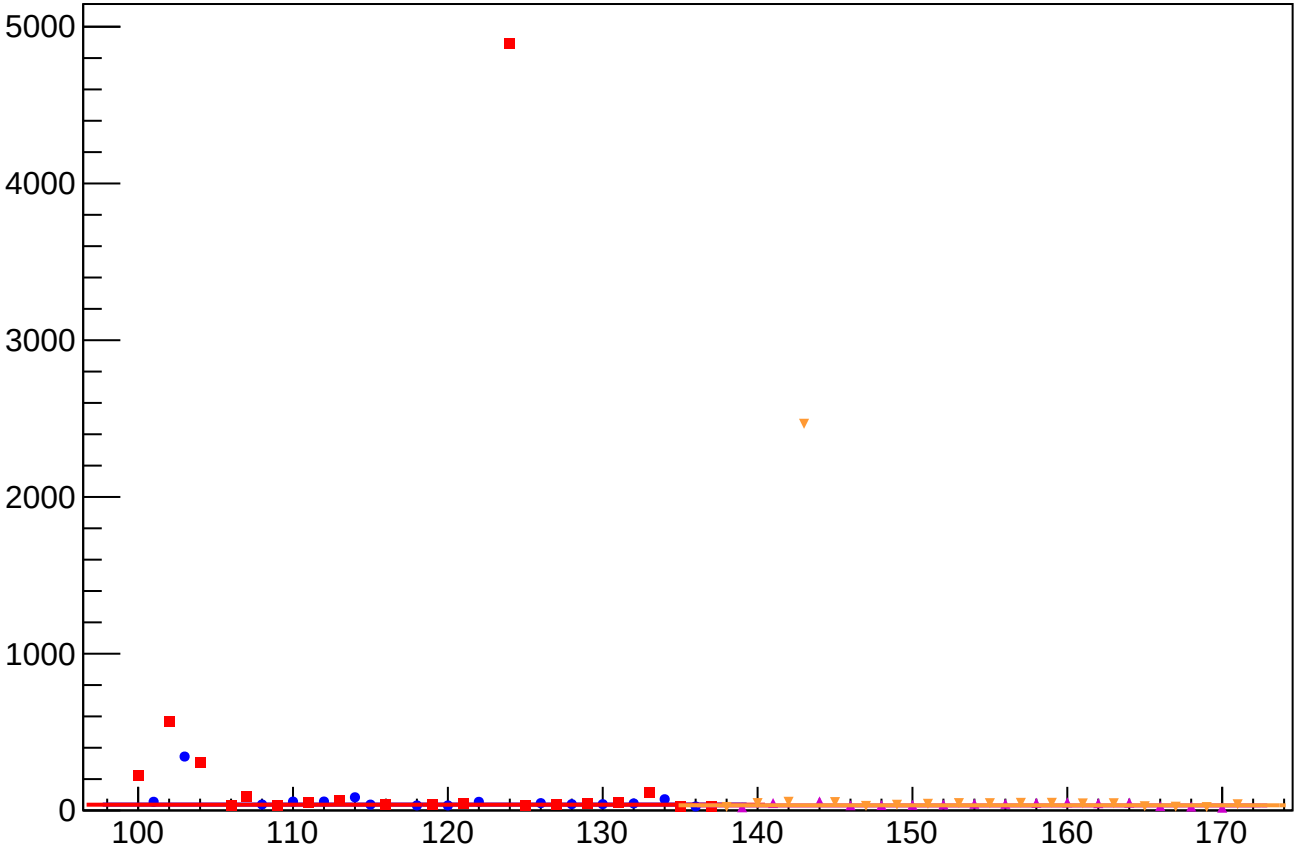
Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.974+/-0.007 χ^2/NDF:3976031.3/17

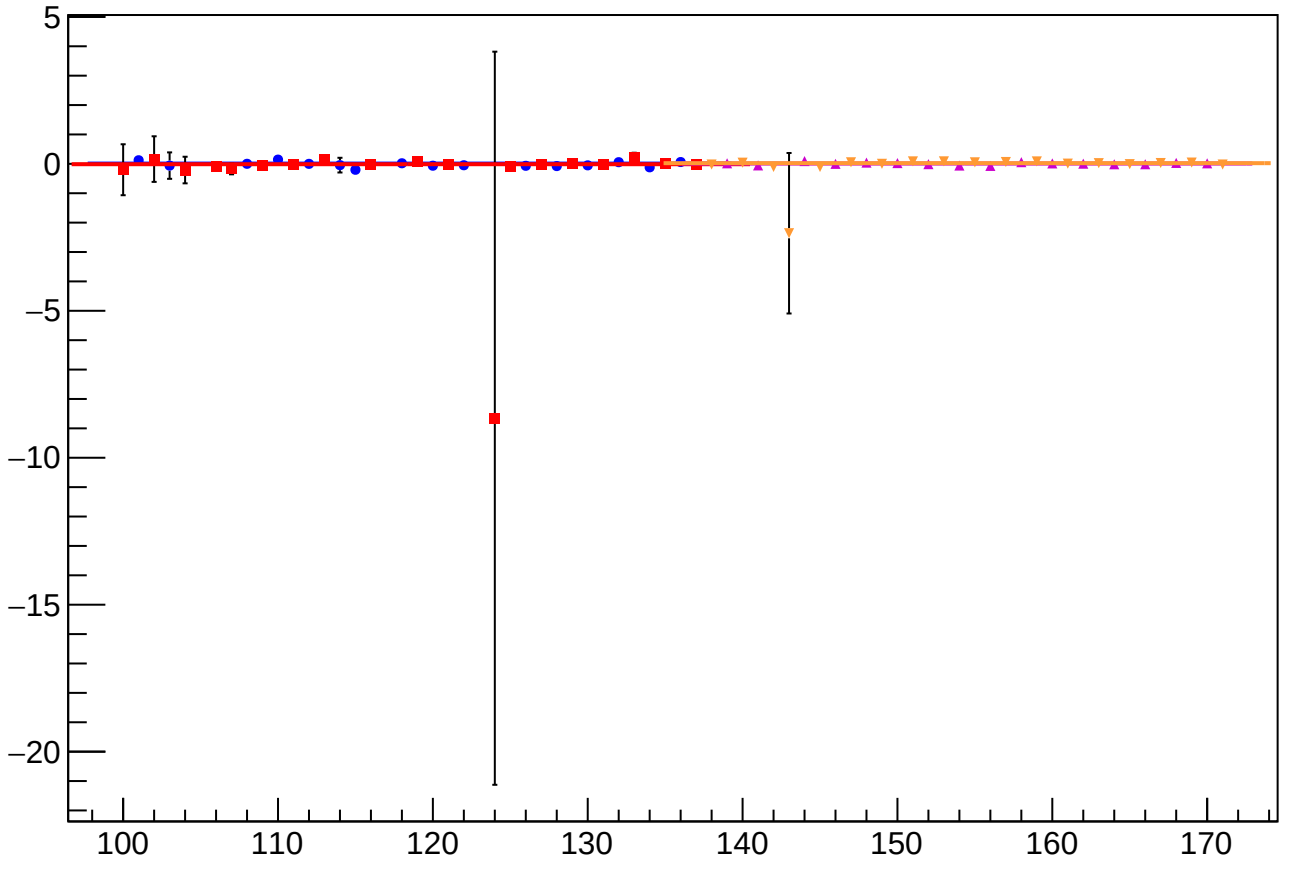
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

\+ sign 34.280+/-0.006 χ^2/NDF: 6071657.9/33

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

\- sign 33.184+/-0.006 χ^2/NDF: 6028713.7/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

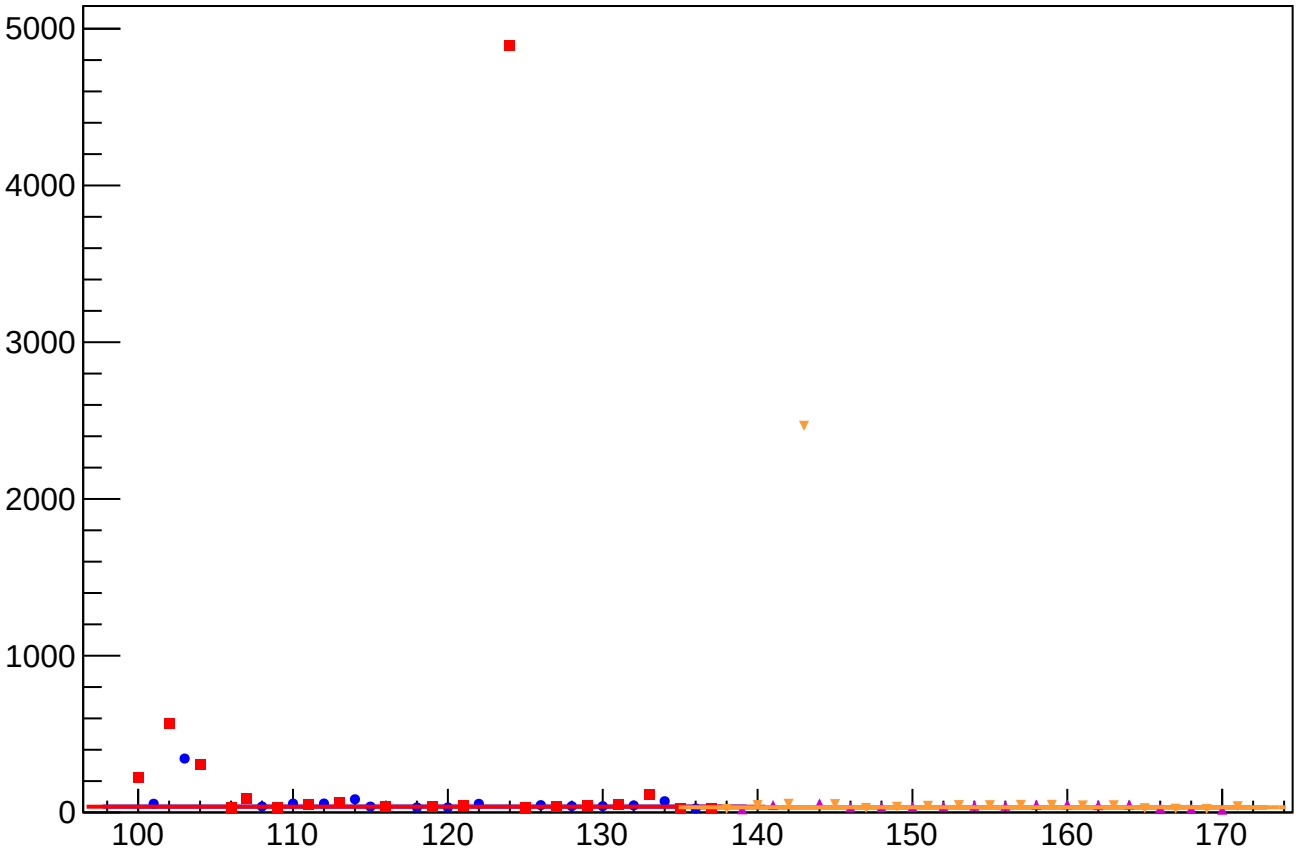
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.974+/-0.007 χ^2/NDF:3976031.3/17

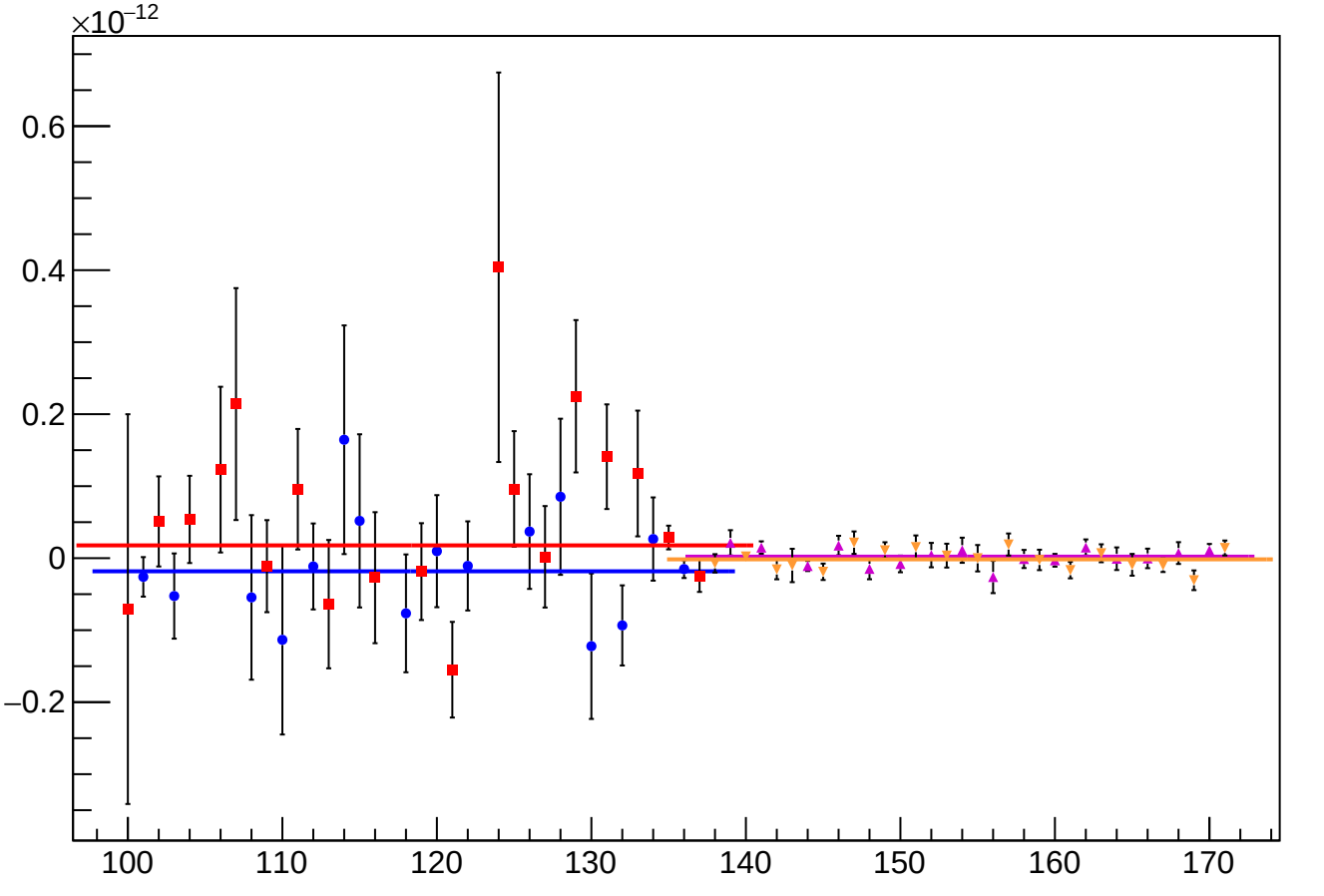
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

+ sign 34.280+/-0.006 χ^2/NDF: 6071657.9/33

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

- sign 33.184+/-0.006 χ^2/NDF: 6028713.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

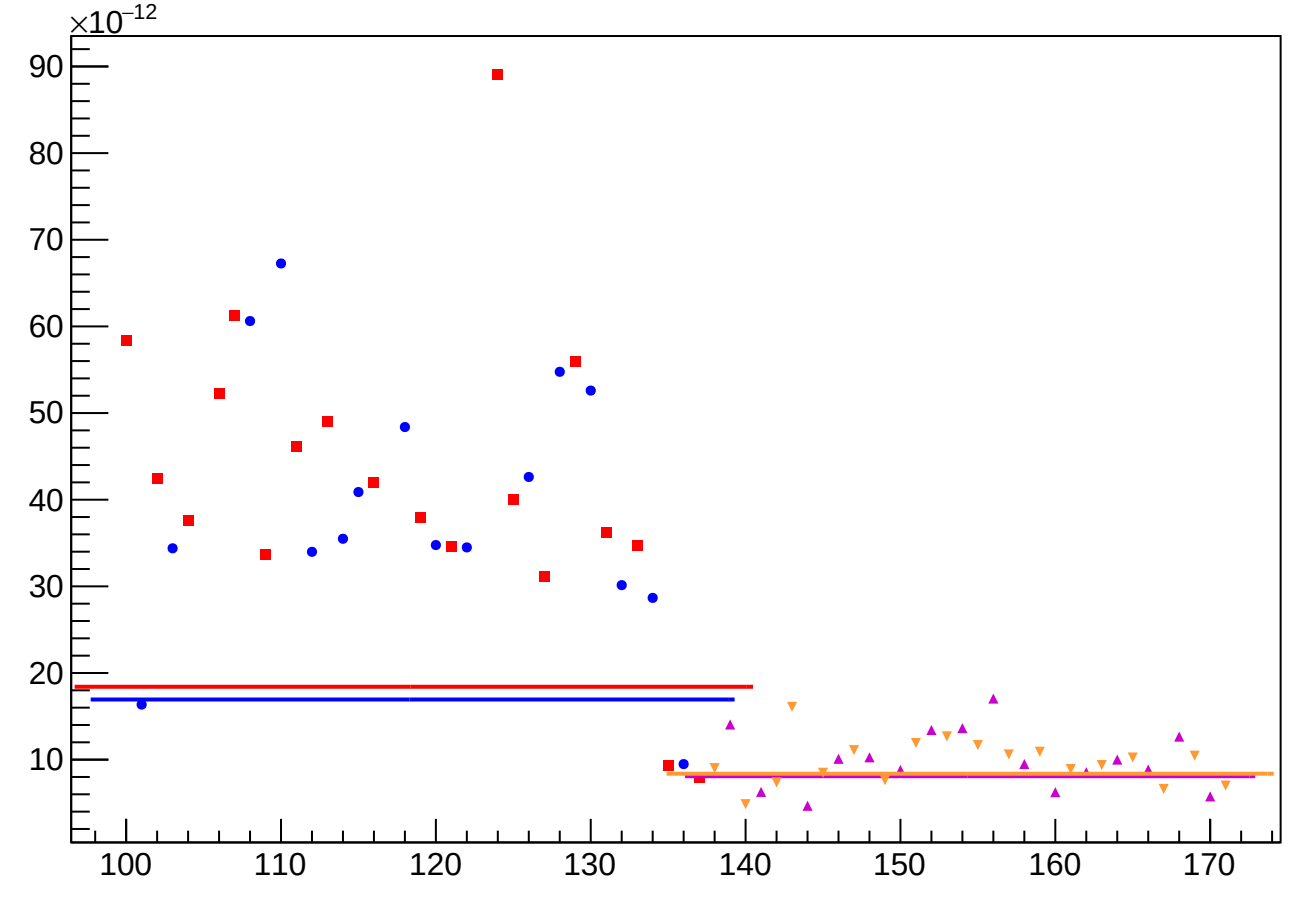
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/33

All: 0.000+/-0.000 χ^2/NDF: 77.7/68

- sign 0.000+/-0.000 χ^2/NDF: 44.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1451245.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

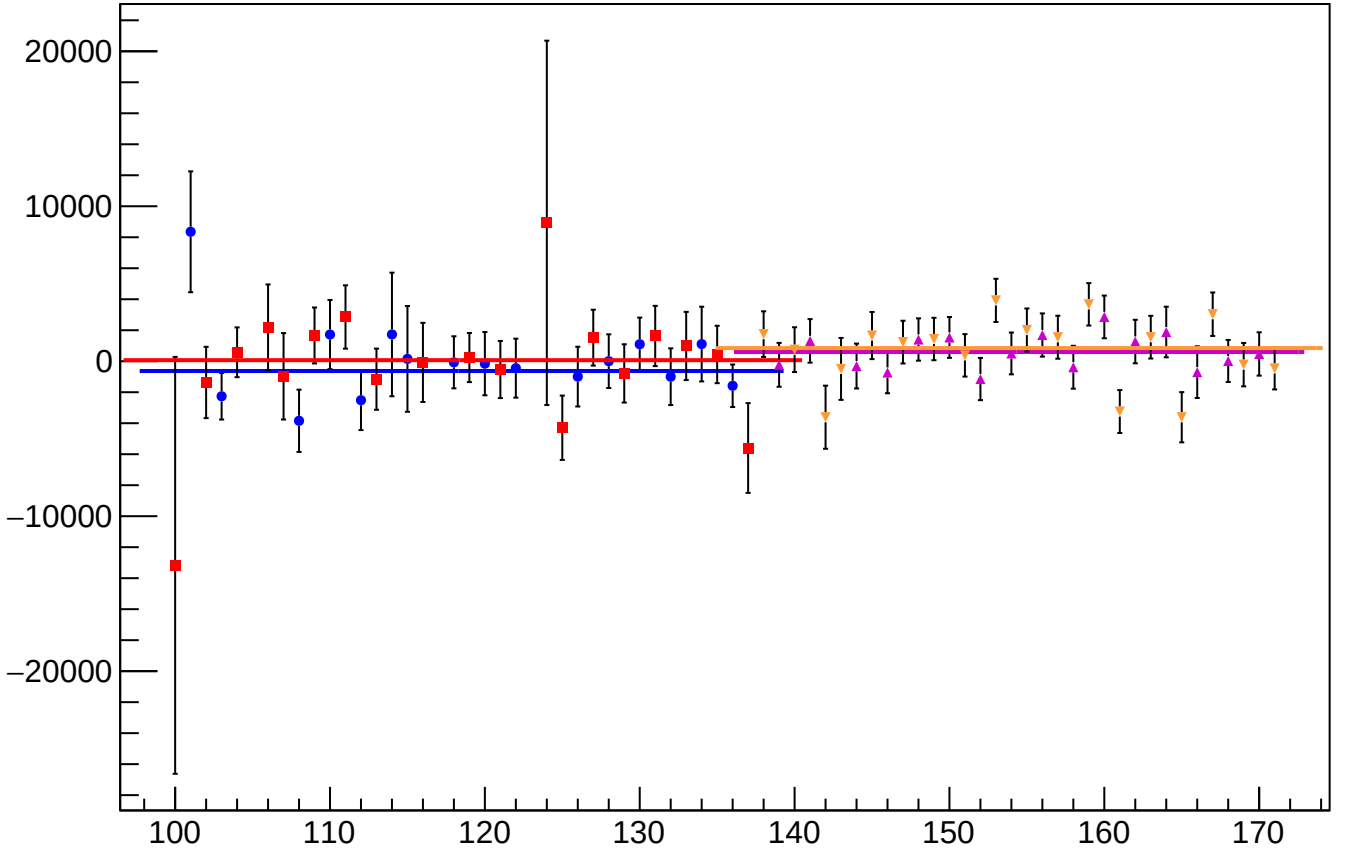
Left In: 0.000+/-0.000 χ^2/NDF:2073753.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 6033128.3/33

All: 0.000+/-0.000 χ^2/NDF: 13422291.9/68

- sign 0.000+/-0.000 χ^2/NDF: 7378834.2/34

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

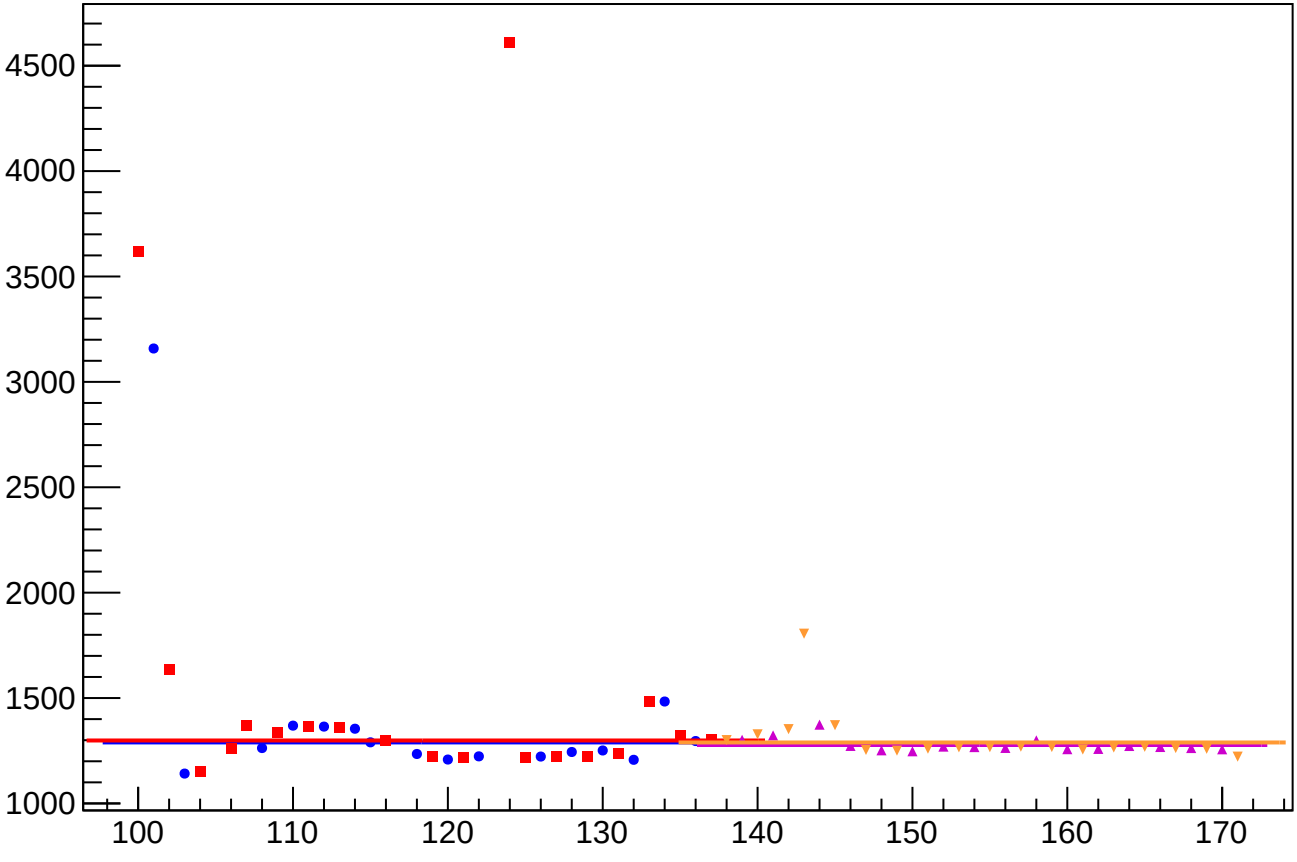
Left In: 594.475+/-351.364 χ^2/NDF:9.9/15

+ sign 362.118+/-280.387 χ^2/NDF: 57.0/33

All: 387.867+/-199.907 χ^2/NDF: 83.6/68

- sign 414.489+/-285.095 χ^2/NDF: 26.6/34

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

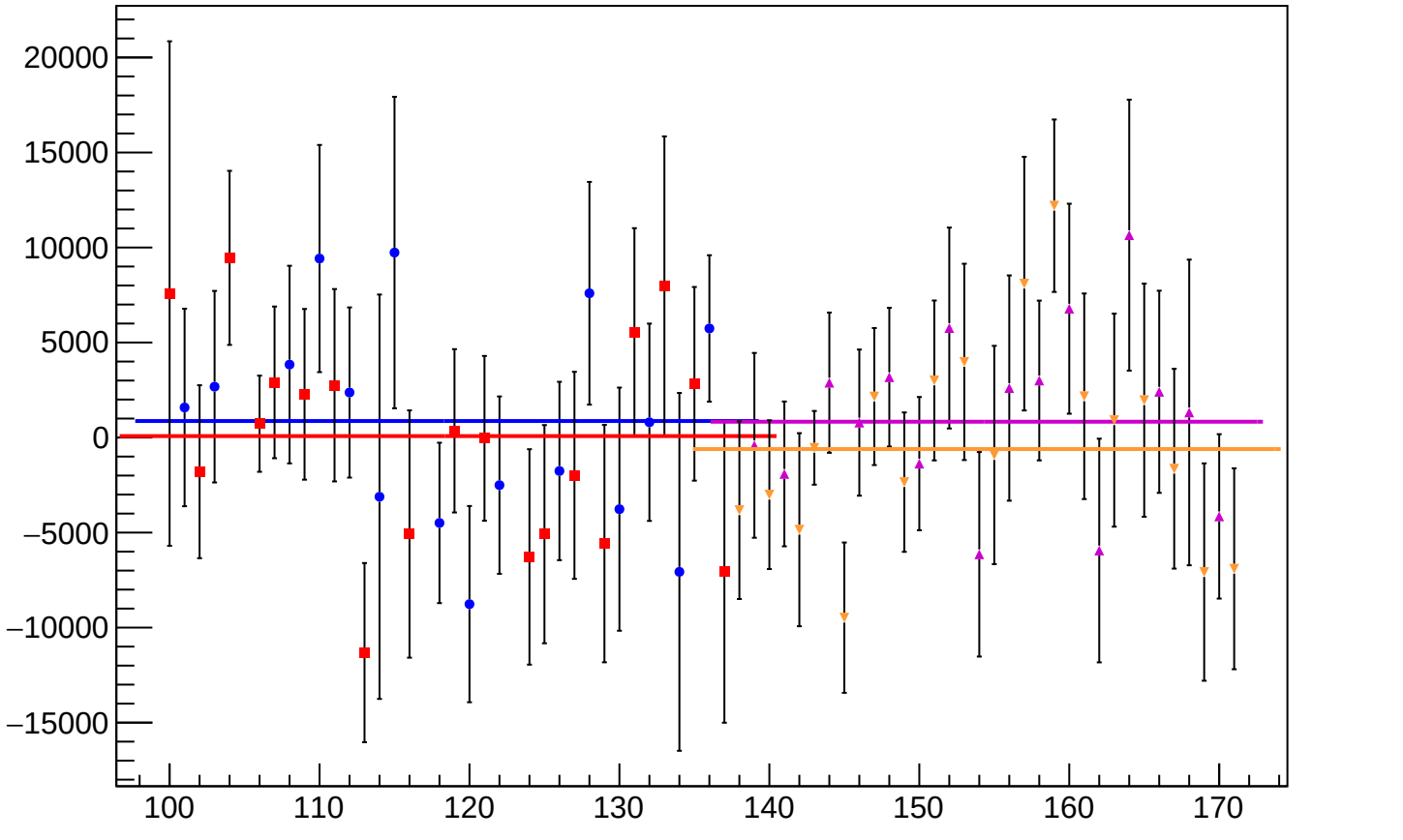
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671820.3/33

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68

- sign 1284.582+/-0.201 χ^2/NDF: 337584.5/34



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -605.136+/-989.466 χ^2/NDF:21.8/17

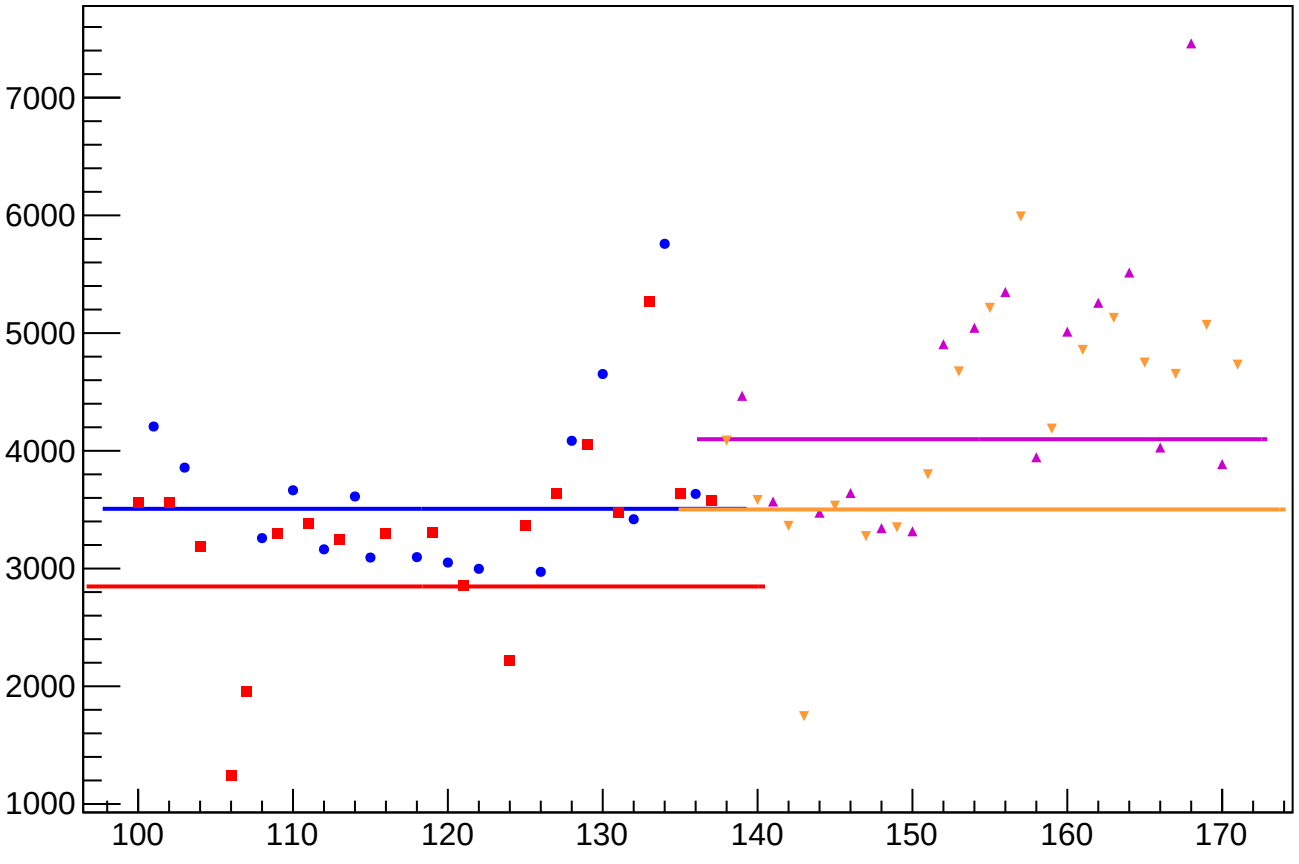
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 834.151+/-1154.851 χ^2/NDF:10.4/15

+ sign -77.057+/-792.861 χ^2/NDF: 36.7/33

All: 179.491+/-563.380 χ^2/NDF: 65.9/68

- sign 441.121+/-800.677 χ^2/NDF: 29.0/34



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

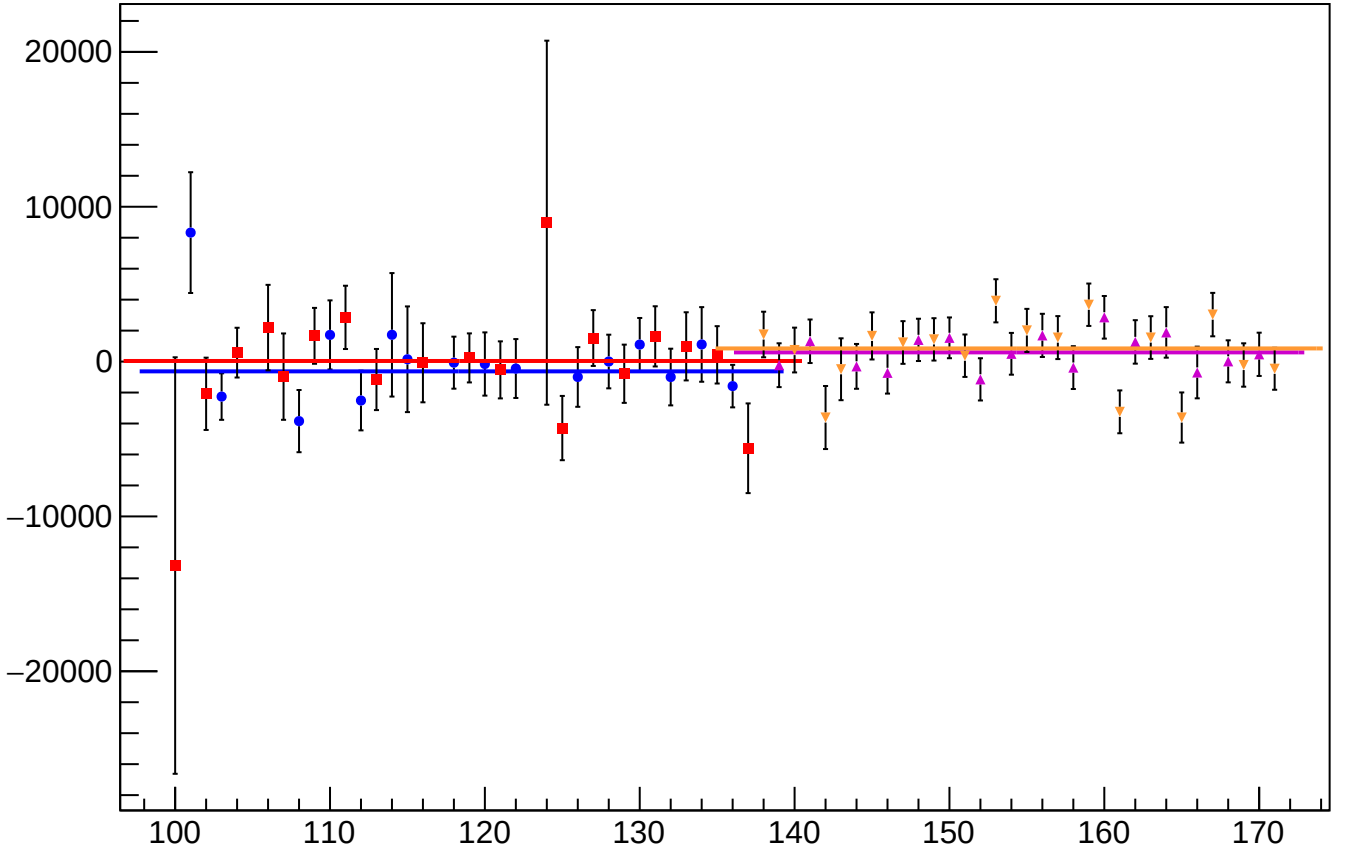
Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

+ sign 3503.928+/-0.561 χ^2/NDF: 3384673.4/33

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68

- sign 3449.079+/-0.566 χ^2/NDF: 3804776.3/34

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

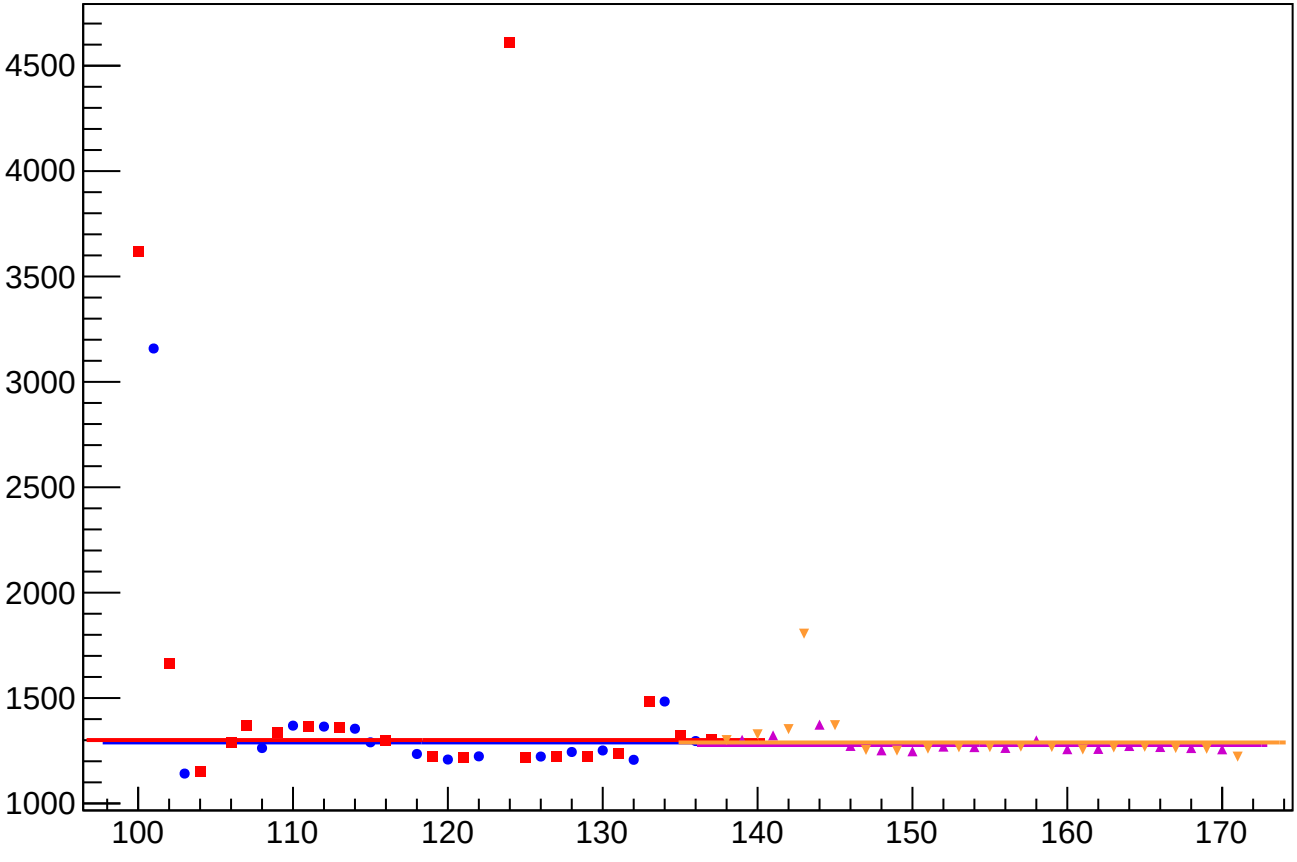
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

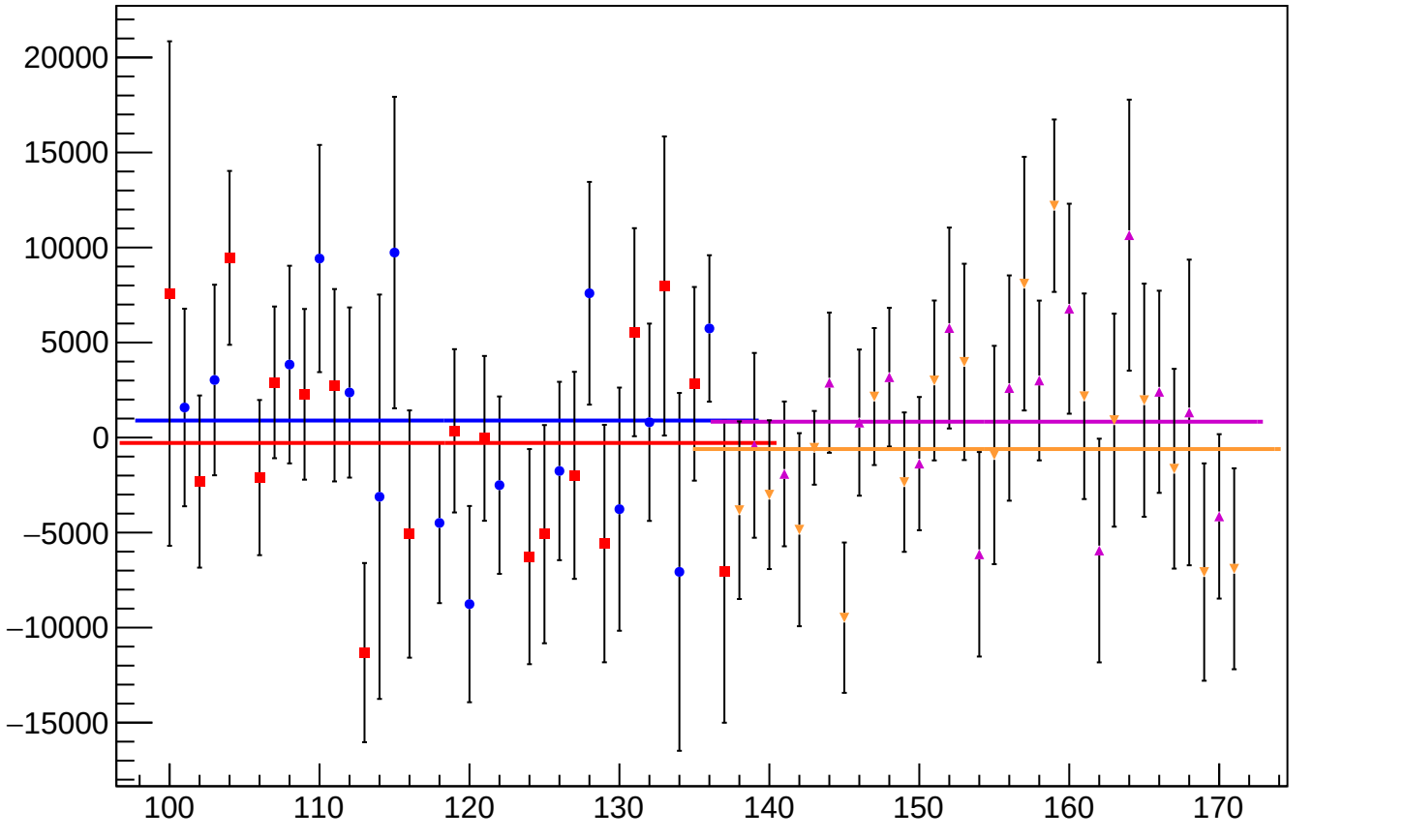
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

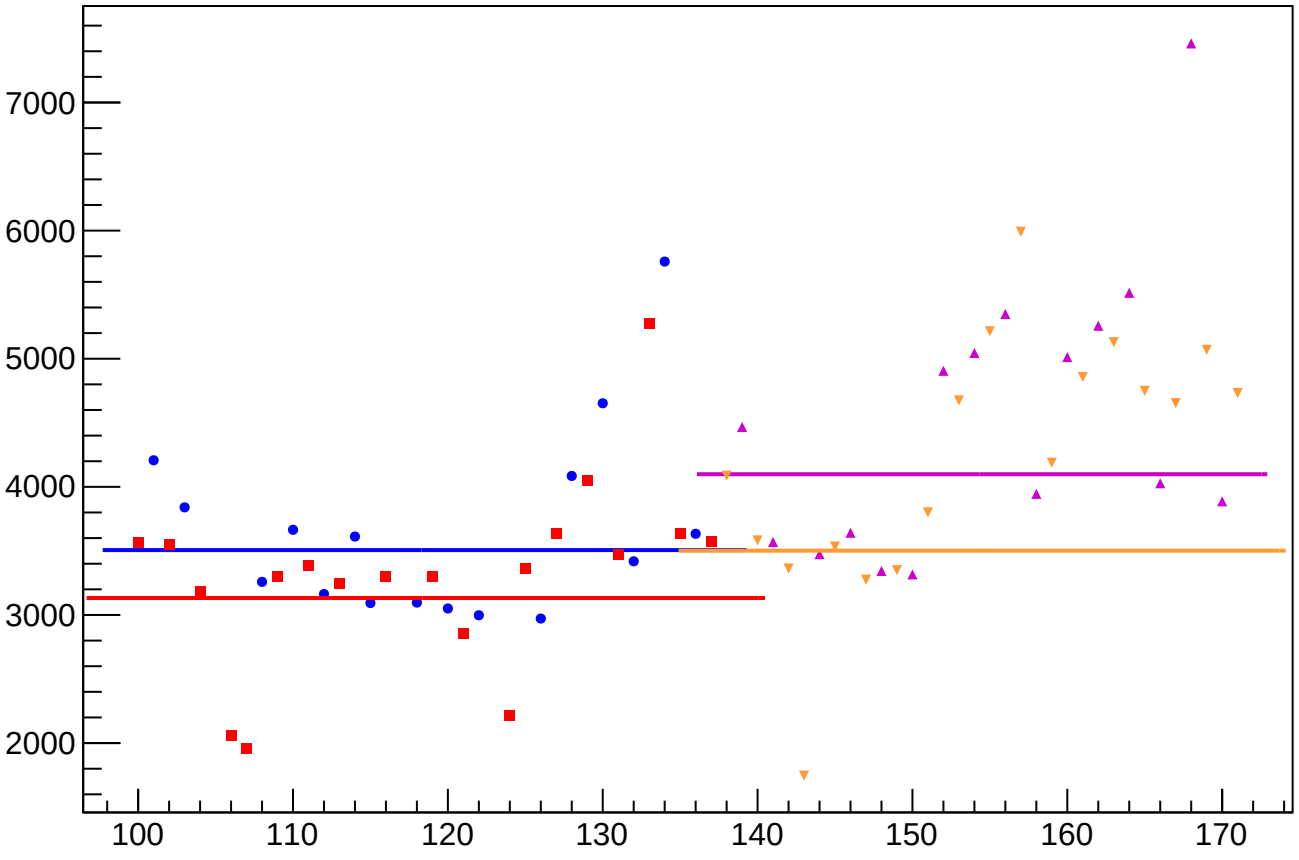
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 834.195+/-1154.849 χ^2/NDF:10.4/15

+ sign -67.557+/-792.763 χ^2/NDF: 36.8/33

All: 103.147+/-572.101 χ^2/NDF: 66.3/68

- sign 288.659+/-826.433 χ^2/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

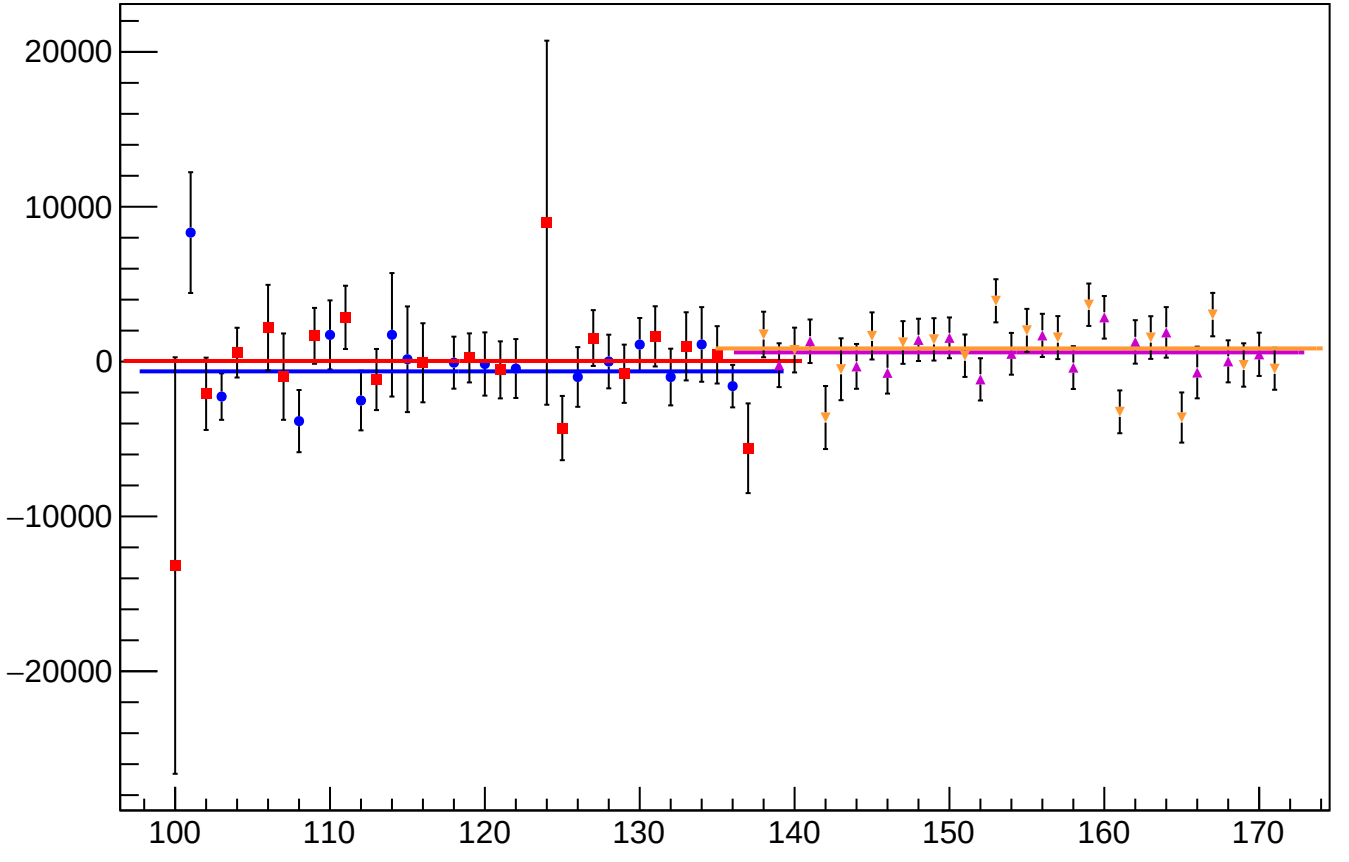
Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34

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: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

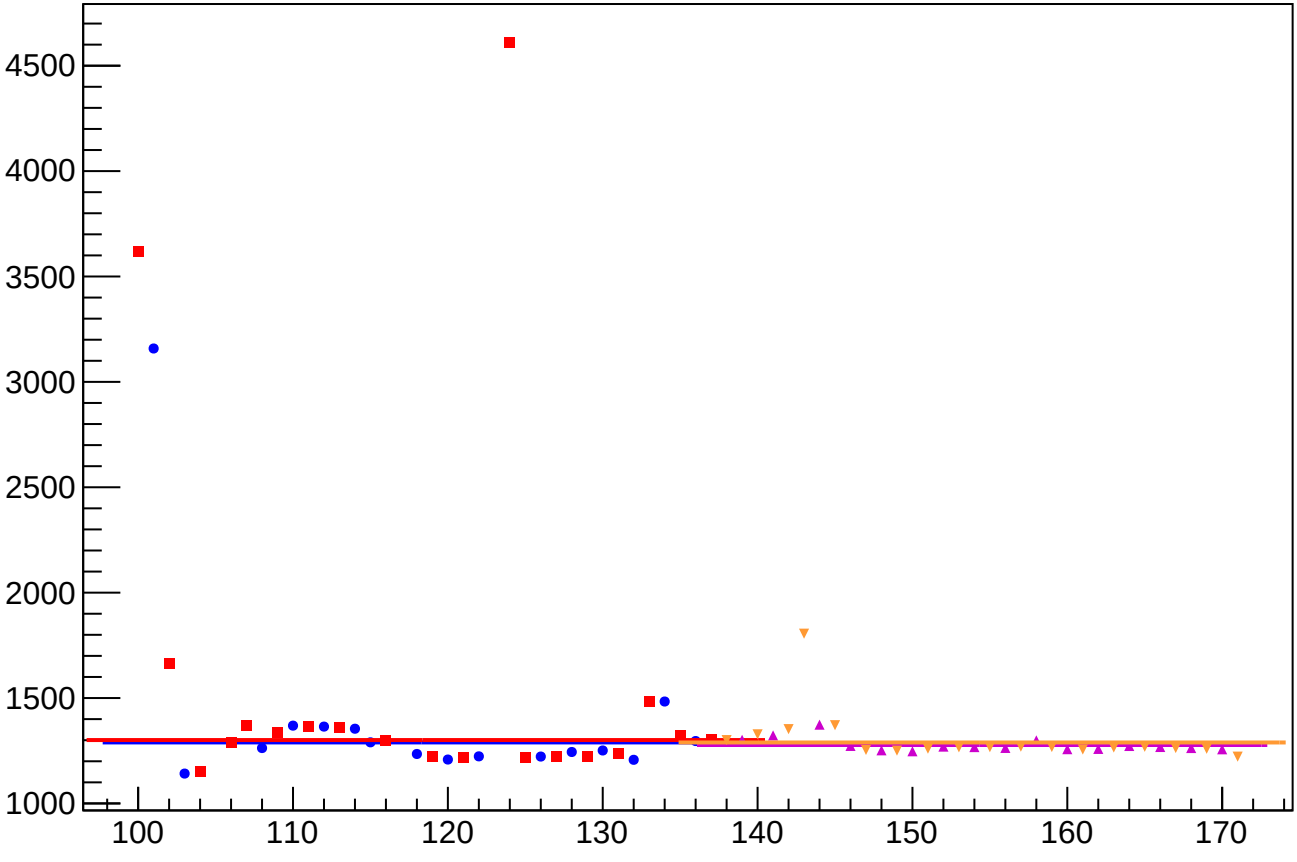
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

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: 1289.208+/-0.242 χ^2/NDF:157144.8/17

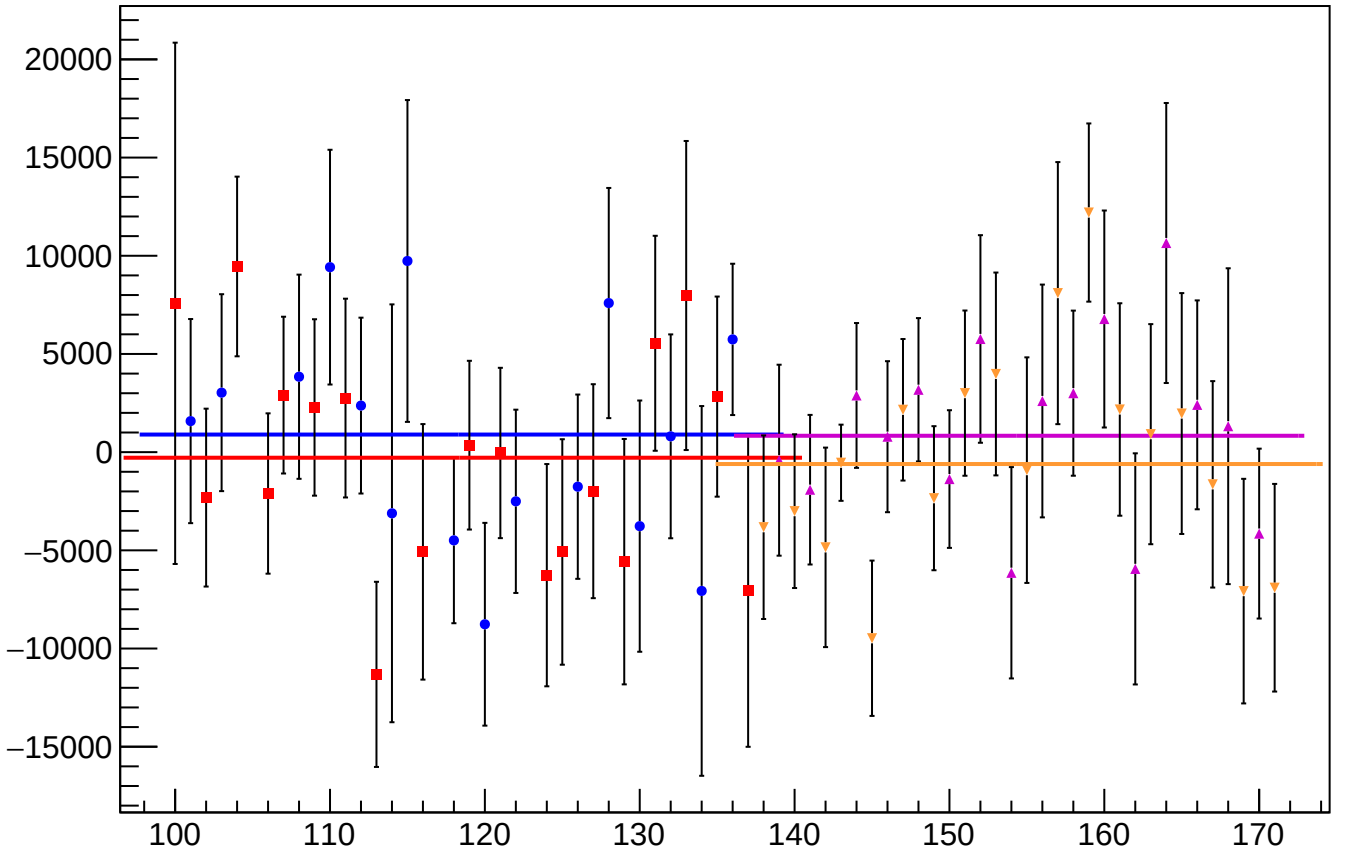
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

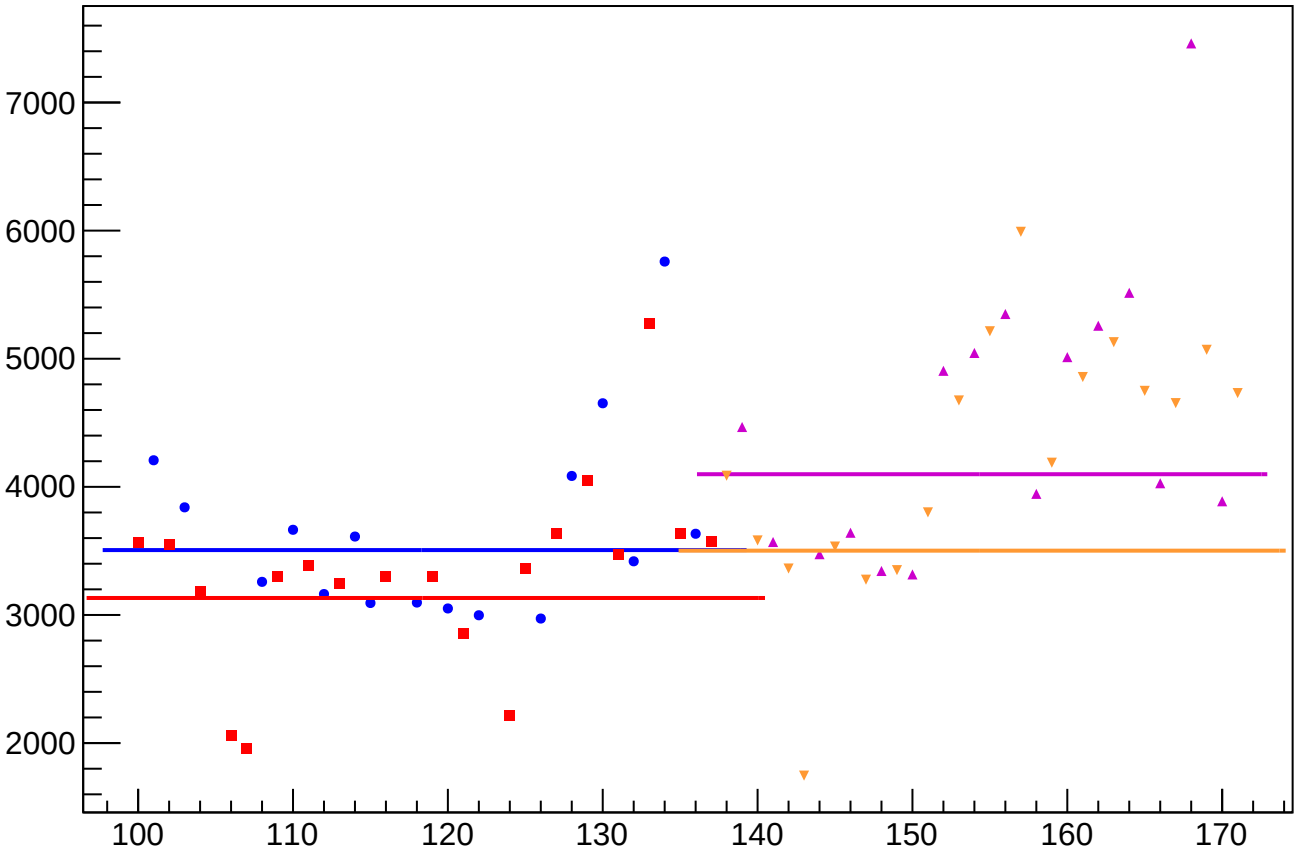
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 834.195+/-1154.849 χ^2/NDF:10.4/15

+ sign -67.557+/-792.763 χ^2/NDF: 36.8/33

All: 103.147+/-572.101 χ^2/NDF: 66.3/68

- sign 288.659+/-826.433 χ^2/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

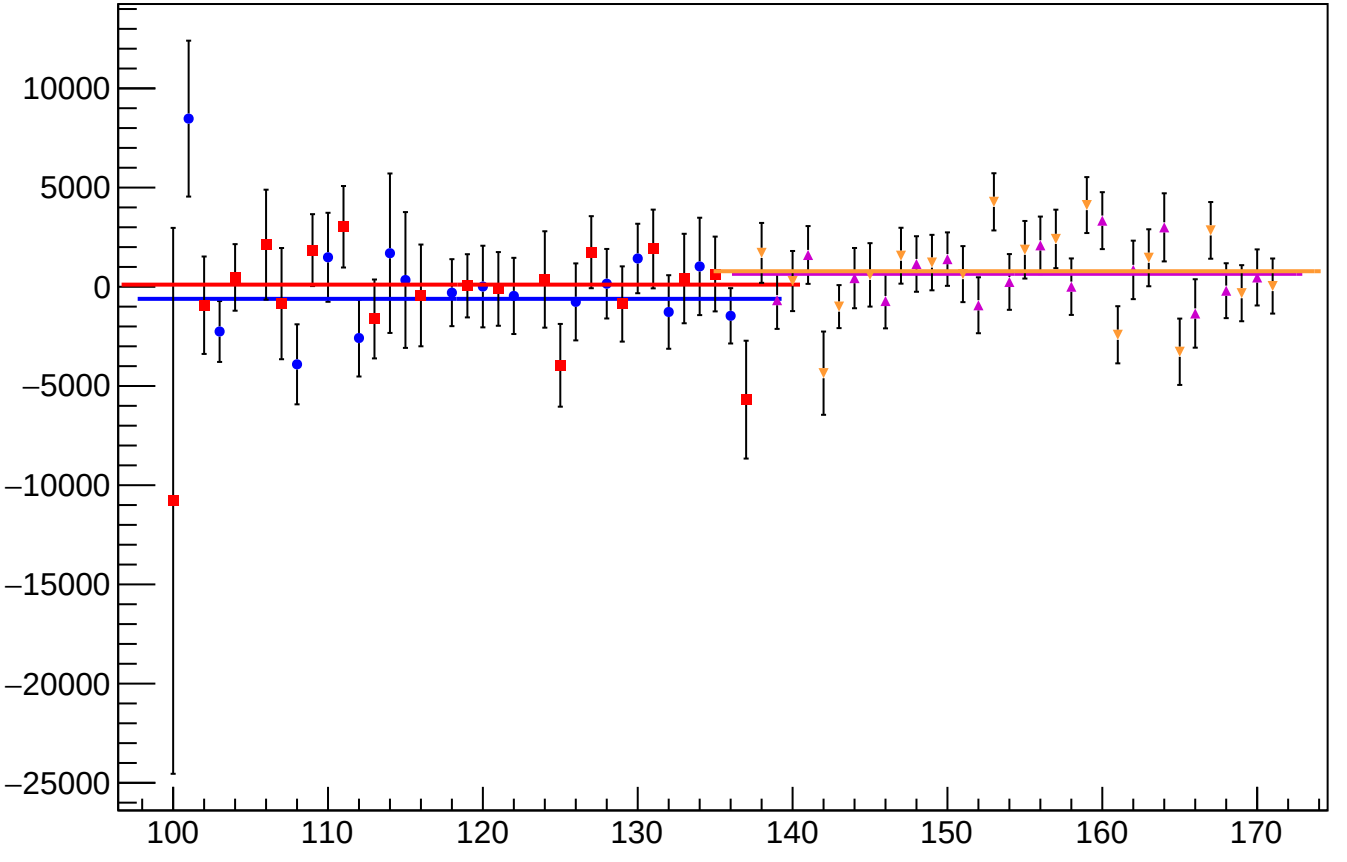
Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

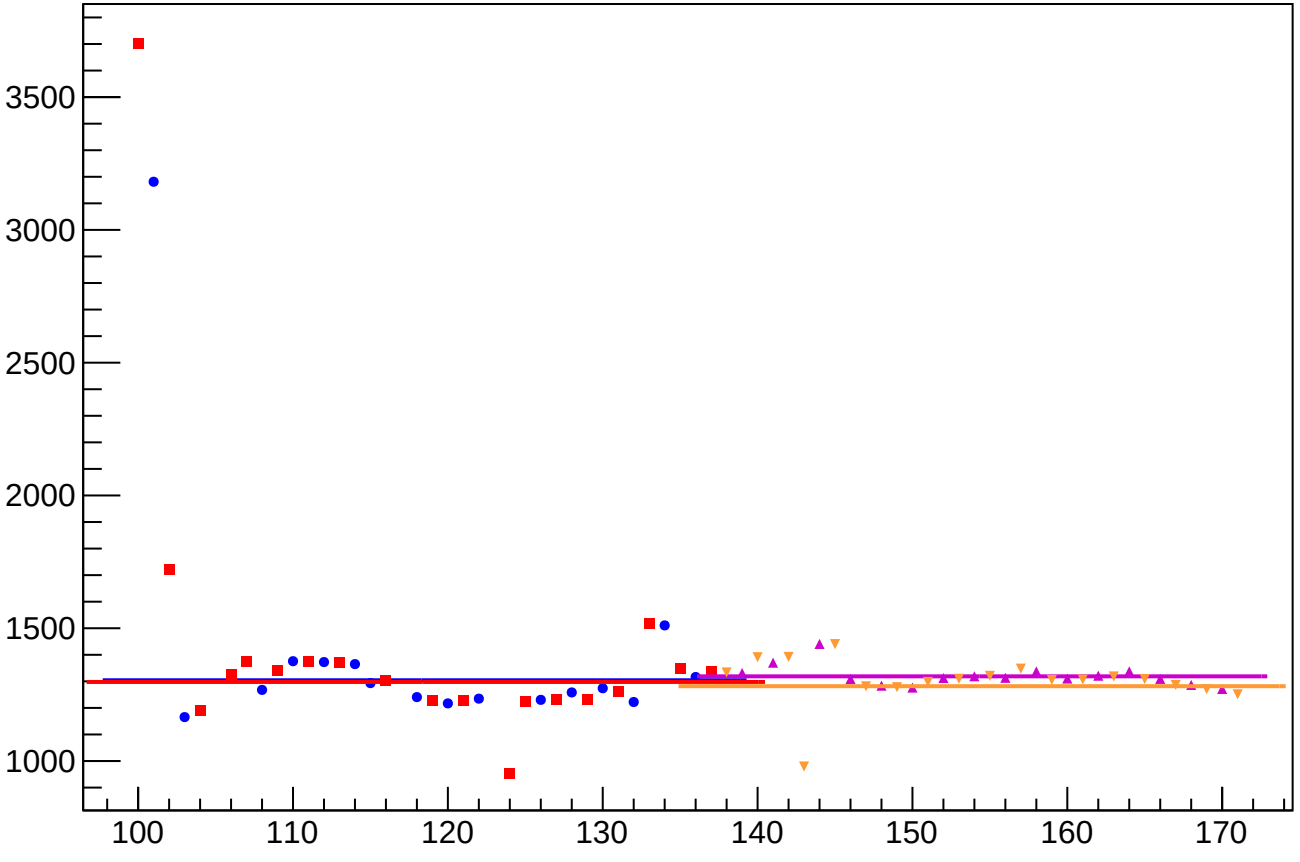
Left In: 653.590+/-362.908 χ^2/NDF:12.3/15

+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.842+/-201.849 χ^2/NDF: 84.5/68

- sign 458.266+/-290.687 χ^2/NDF: 28.0/34

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

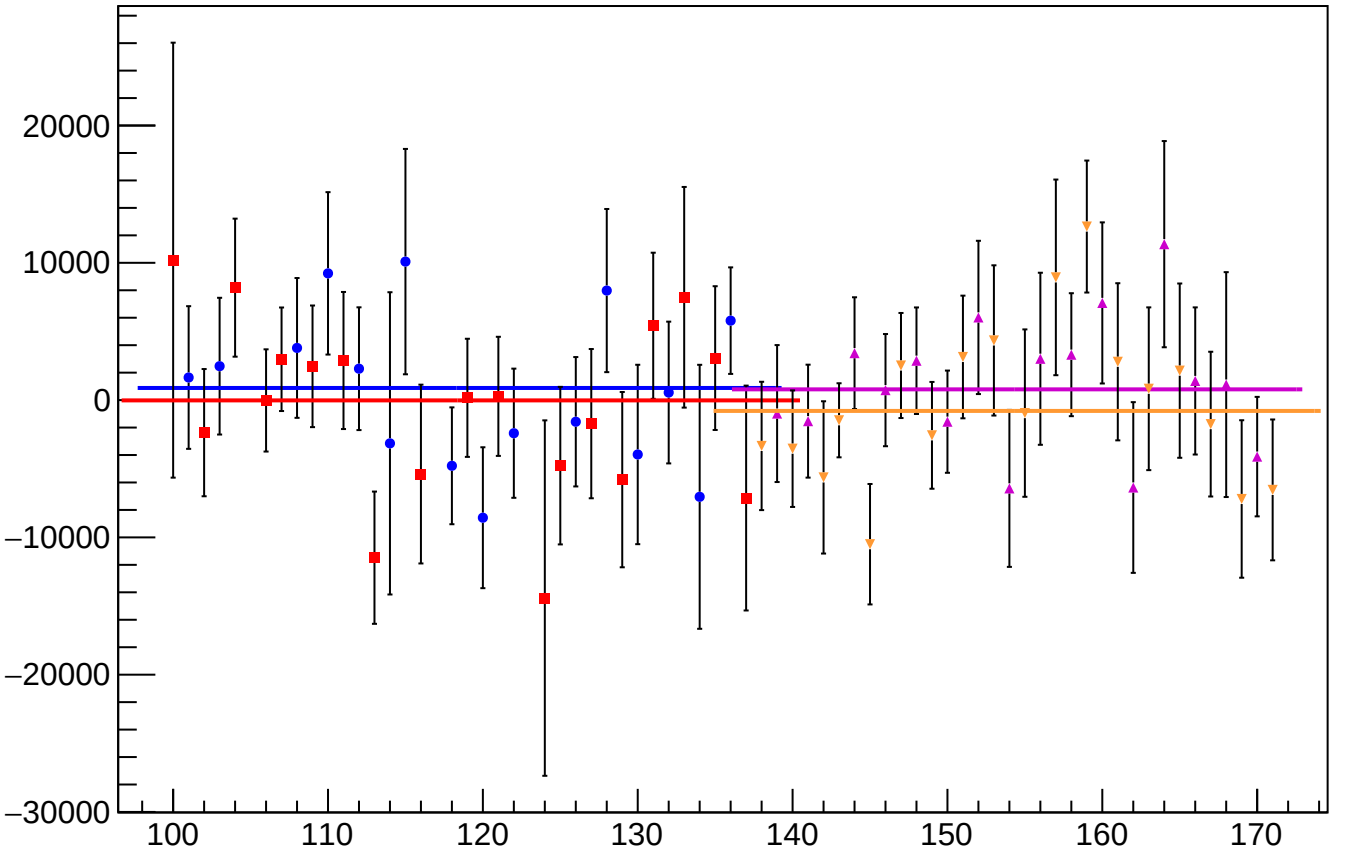
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717631.8/33

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68

- sign 1311.333+/-0.205 χ^2/NDF: 238555.8/34



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -787.990+/-1104.859 χ^2/NDF:21.9/17

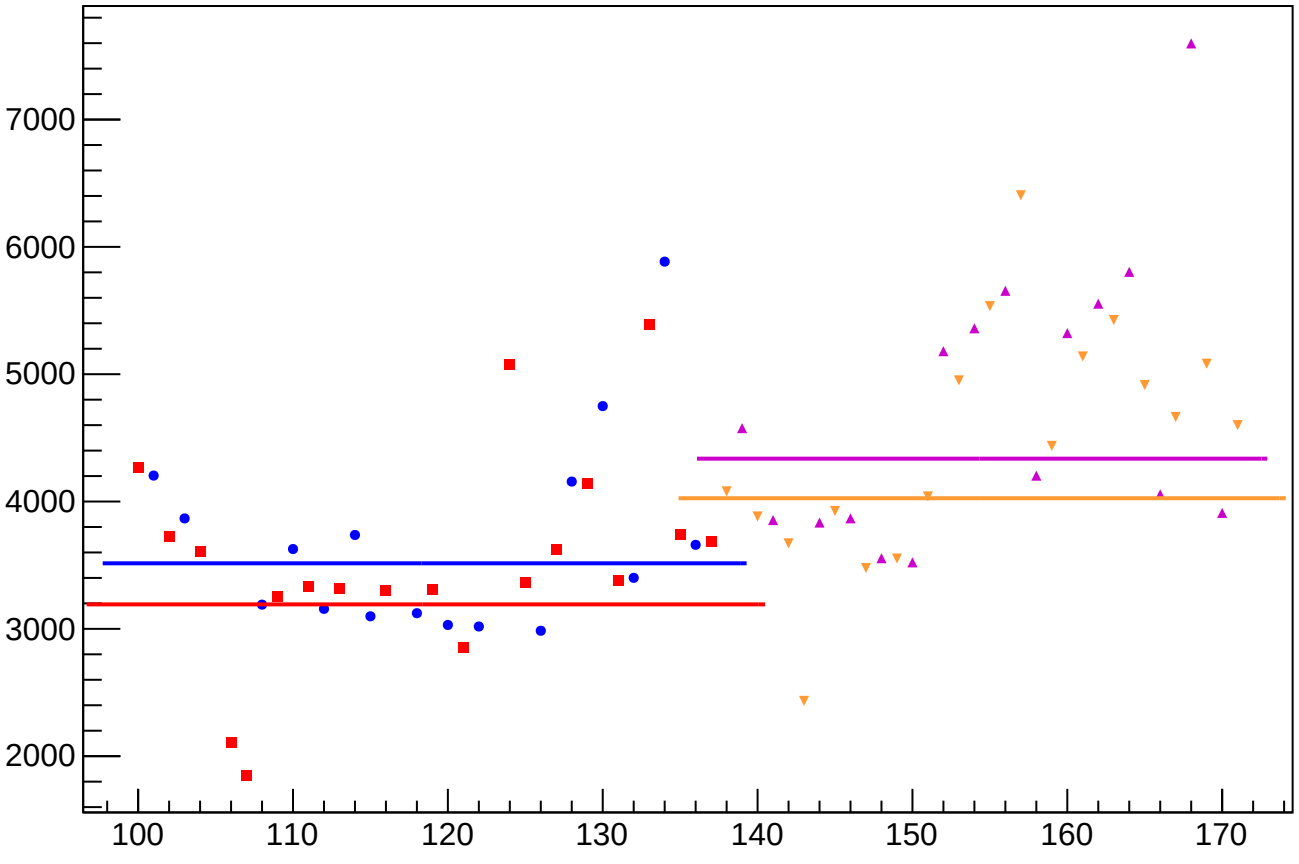
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 782.966+/-1220.471 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

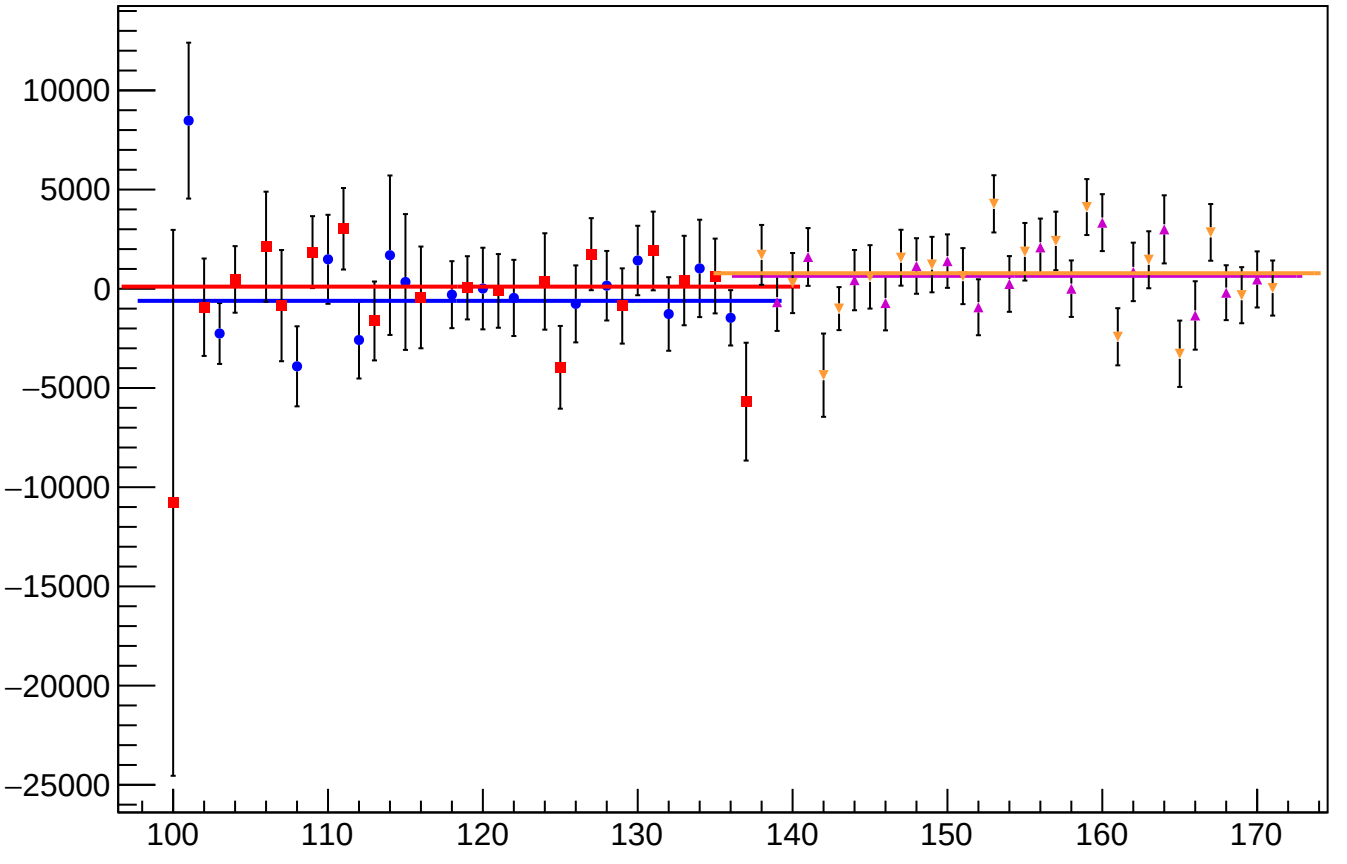
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

+ sign 3816.710+/-0.600 χ^2/NDF: 2095444.4/33

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68

- sign 3754.775+/-0.605 χ^2/NDF: 2683878.8/34



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

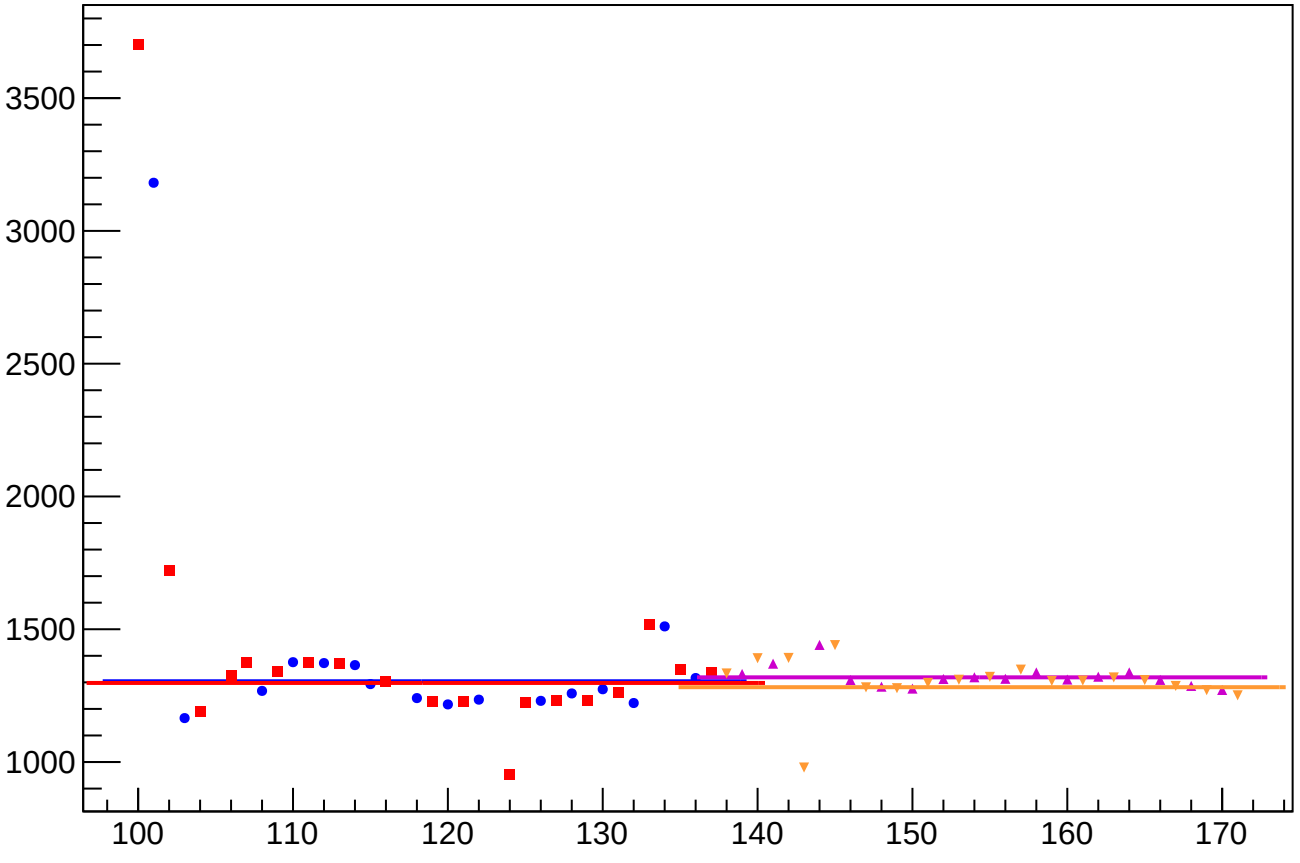
Left In: 653.591+/-362.908 χ^2/NDF:12.3/15

+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.843+/-201.849 χ^2/NDF: 84.5/68

- sign 458.268+/-290.687 χ^2/NDF: 28.0/34

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: 1281.782+/-0.241 χ^2/NDF:204277.7/17

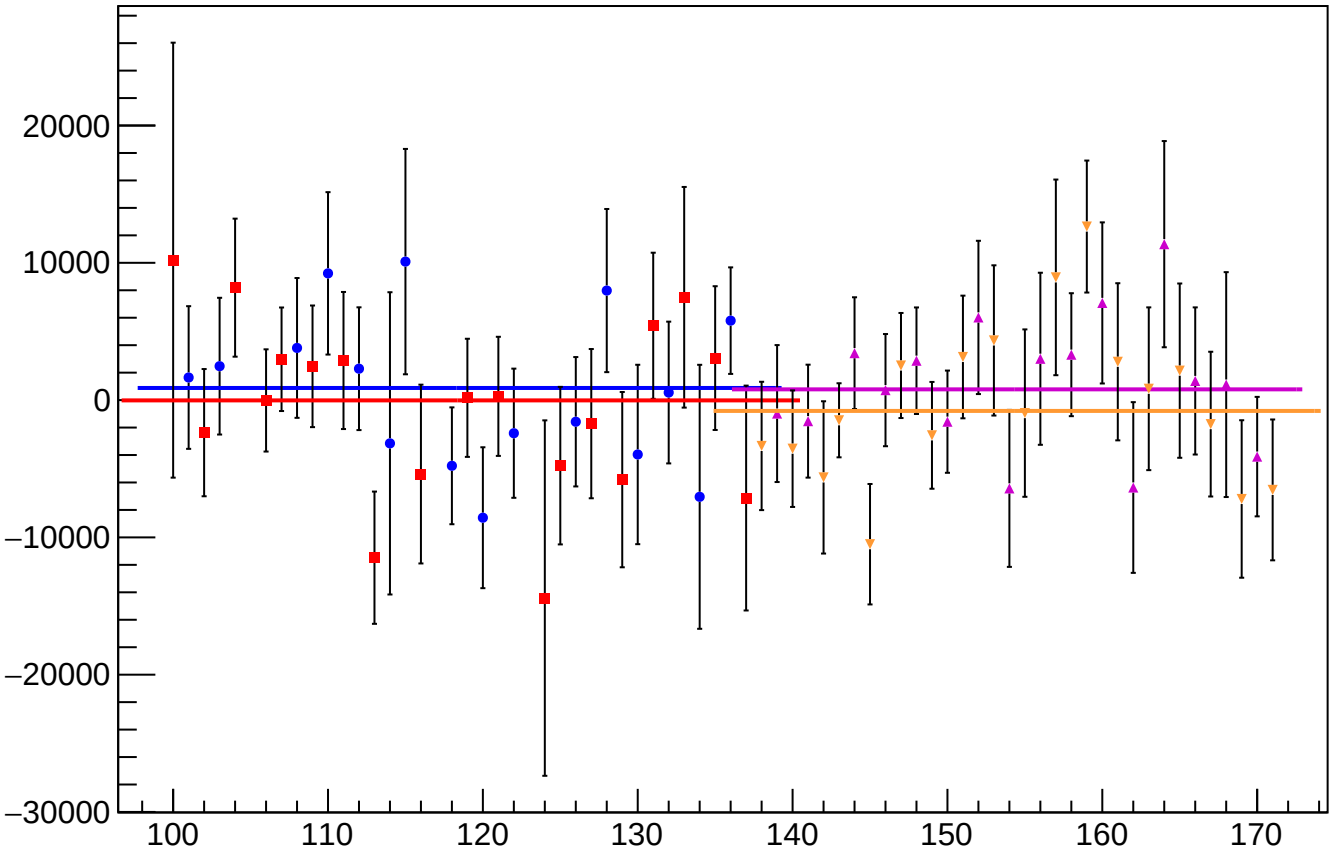
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1318.908+/-0.257 χ^2/NDF:23031.2/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717632.7/33

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68

- sign 1311.334+/-0.205 χ^2/NDF: 238556.4/34



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -787.988+/-1104.861 χ^2/NDF:21.9/17

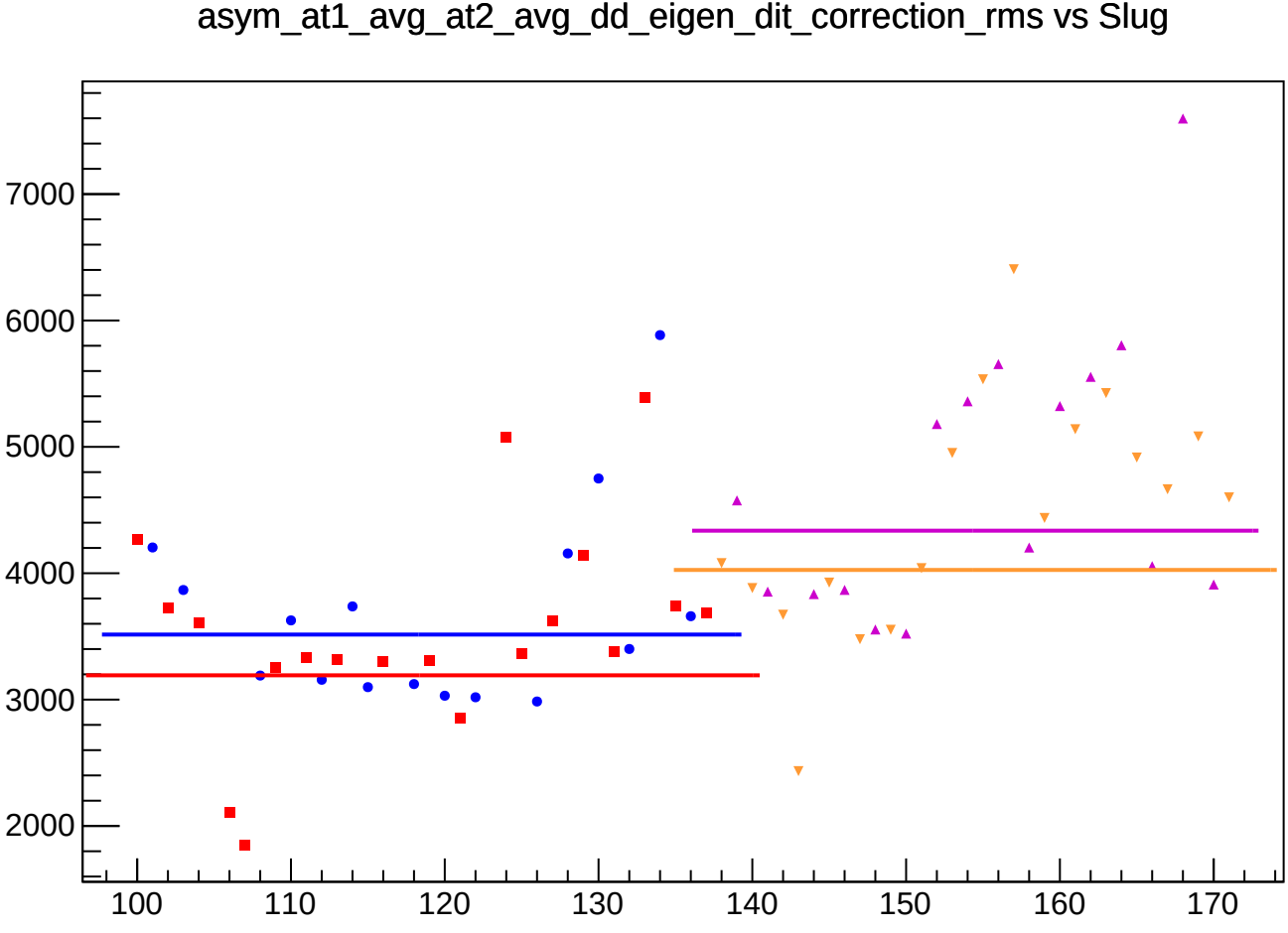
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 782.965+/-1220.473 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

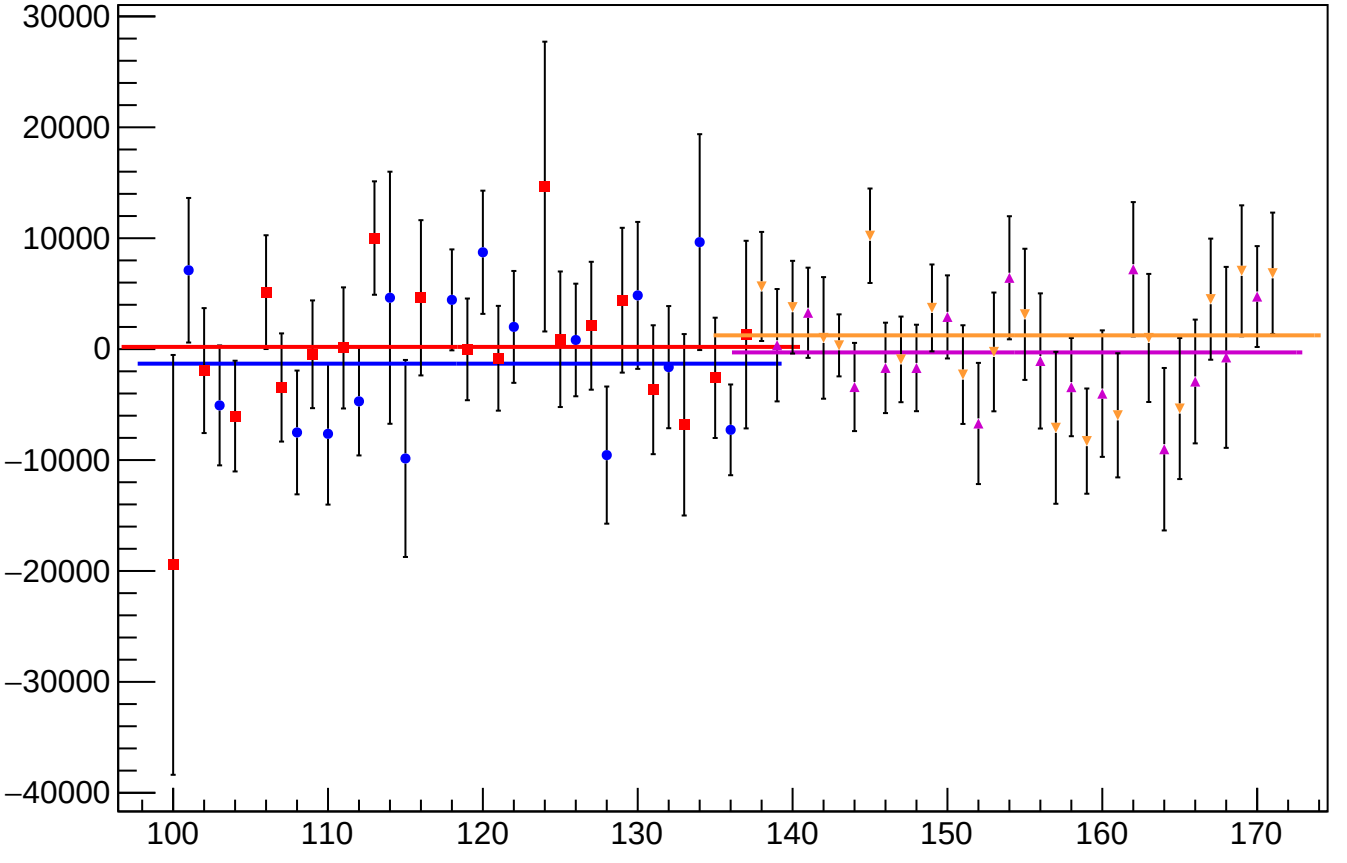
Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

+ sign 3816.709+/-0.600 χ^2/NDF: 2095460.5/33

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68

- sign 3754.771+/-0.605 χ^2/NDF: 2683905.5/34

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

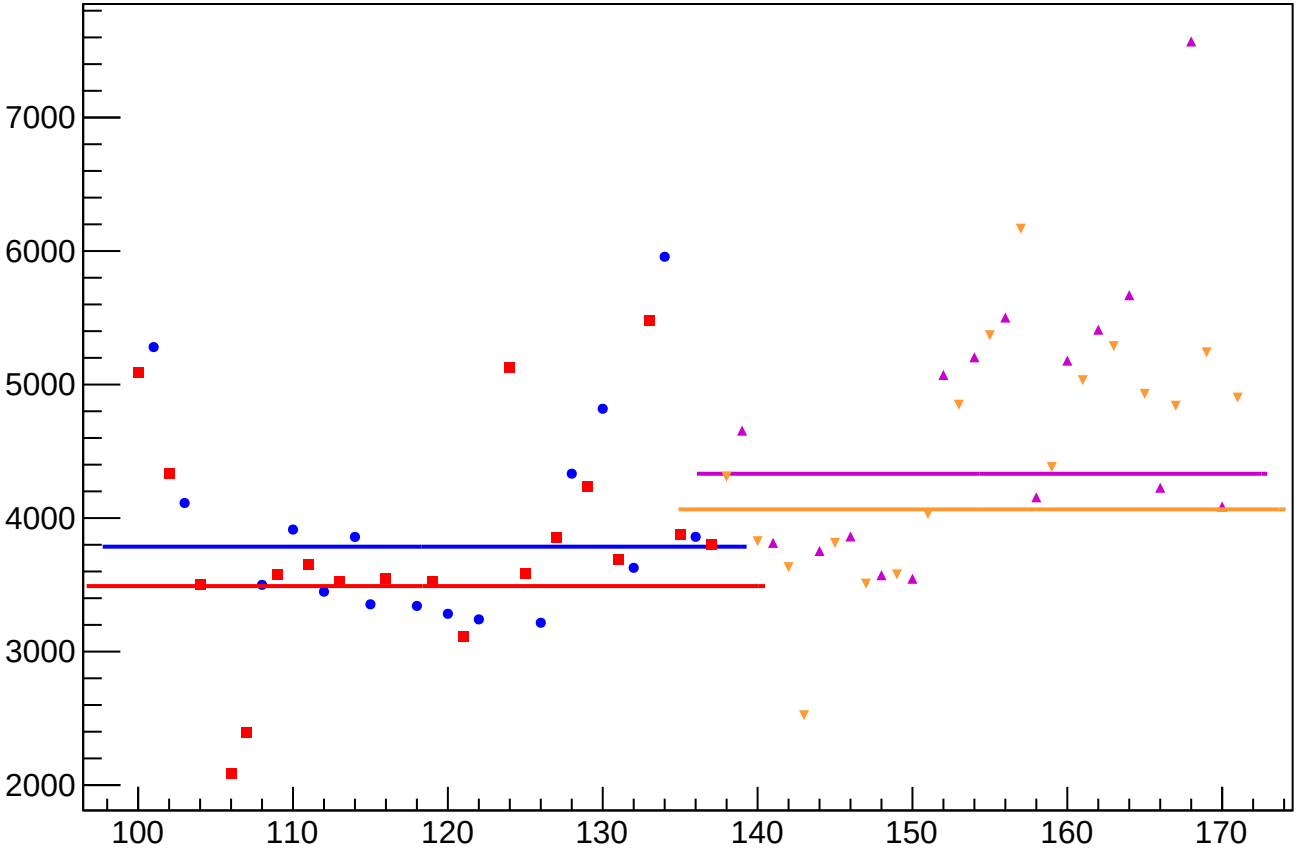
Left In: -295.262+/-1216.245 χ^2/NDF:10.6/15

+ sign 283.601+/-877.958 χ^2/NDF: 37.4/33

All: 111.013+/-628.253 χ^2/NDF: 59.8/68

- sign -70.108+/-899.398 χ^2/NDF: 22.3/34

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

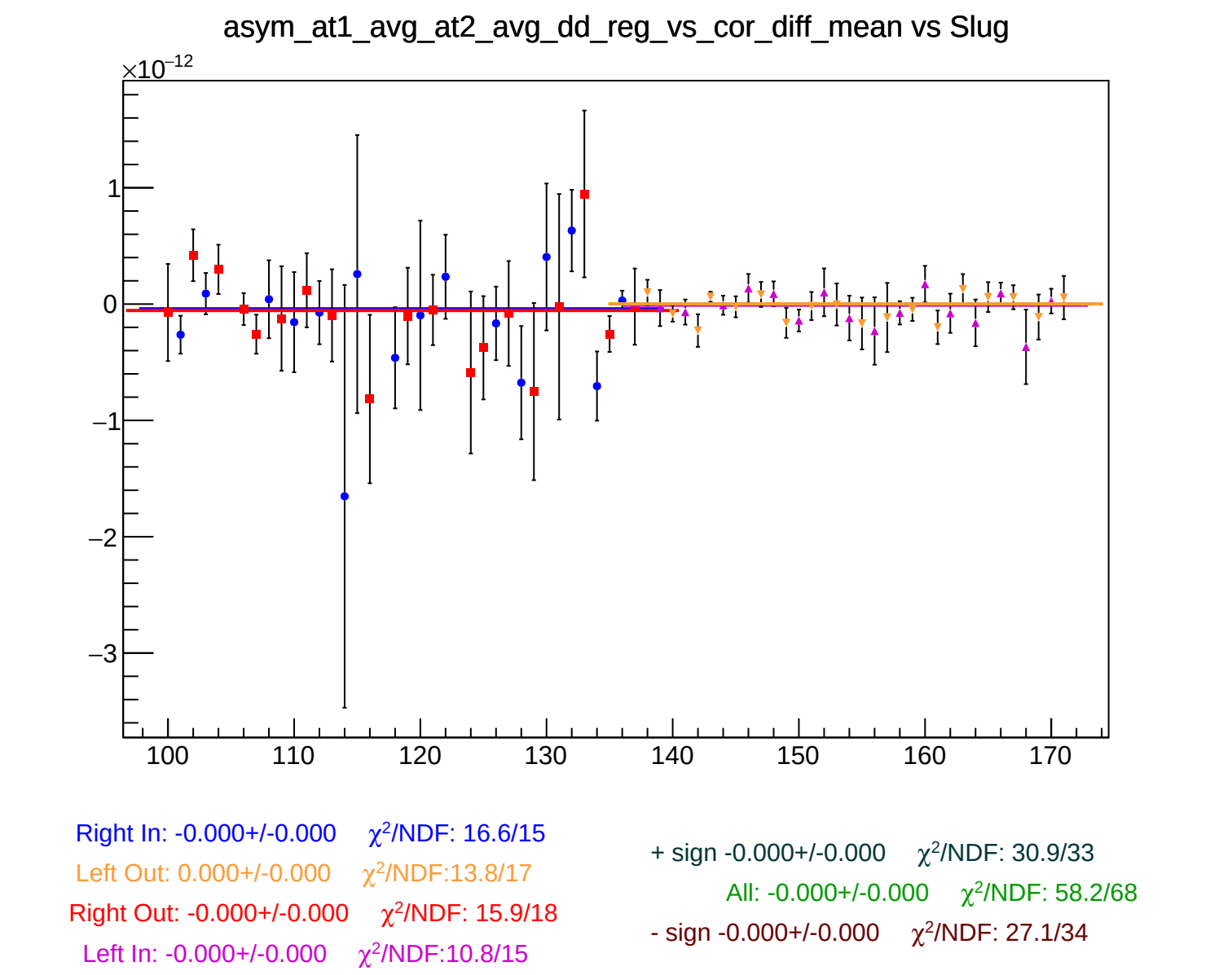
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

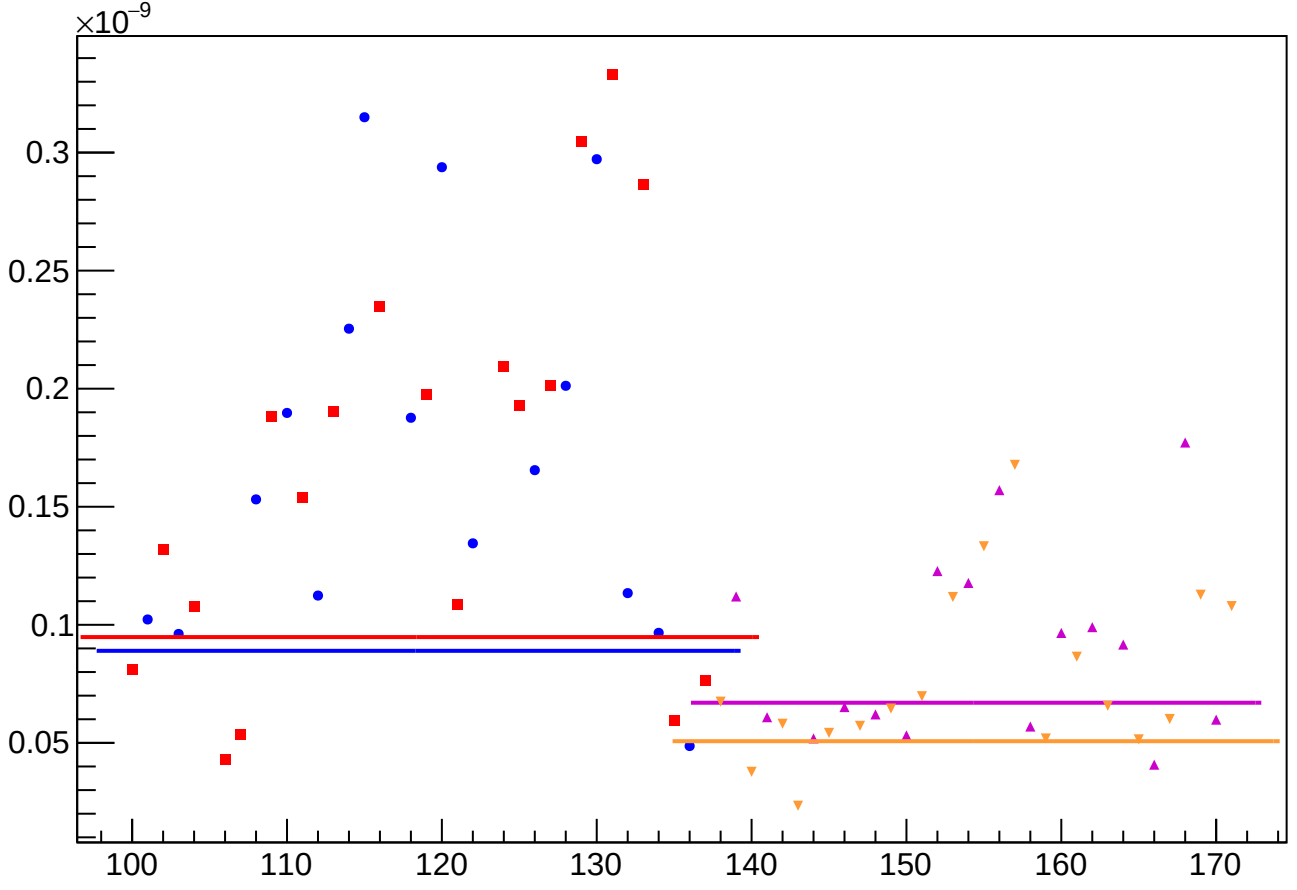
Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

+ sign 3960.082+/-0.621 χ^2/NDF: 1832961.4/33

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68

- sign 3944.988+/-0.632 χ^2/NDF: 1959234.4/34


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/15
+ sign -0.000+/-0.000 χ²/NDF: 30.9/33
All: -0.000+/-0.000 χ²/NDF: 58.2/68
- sign -0.000+/-0.000 χ²/NDF: 27.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

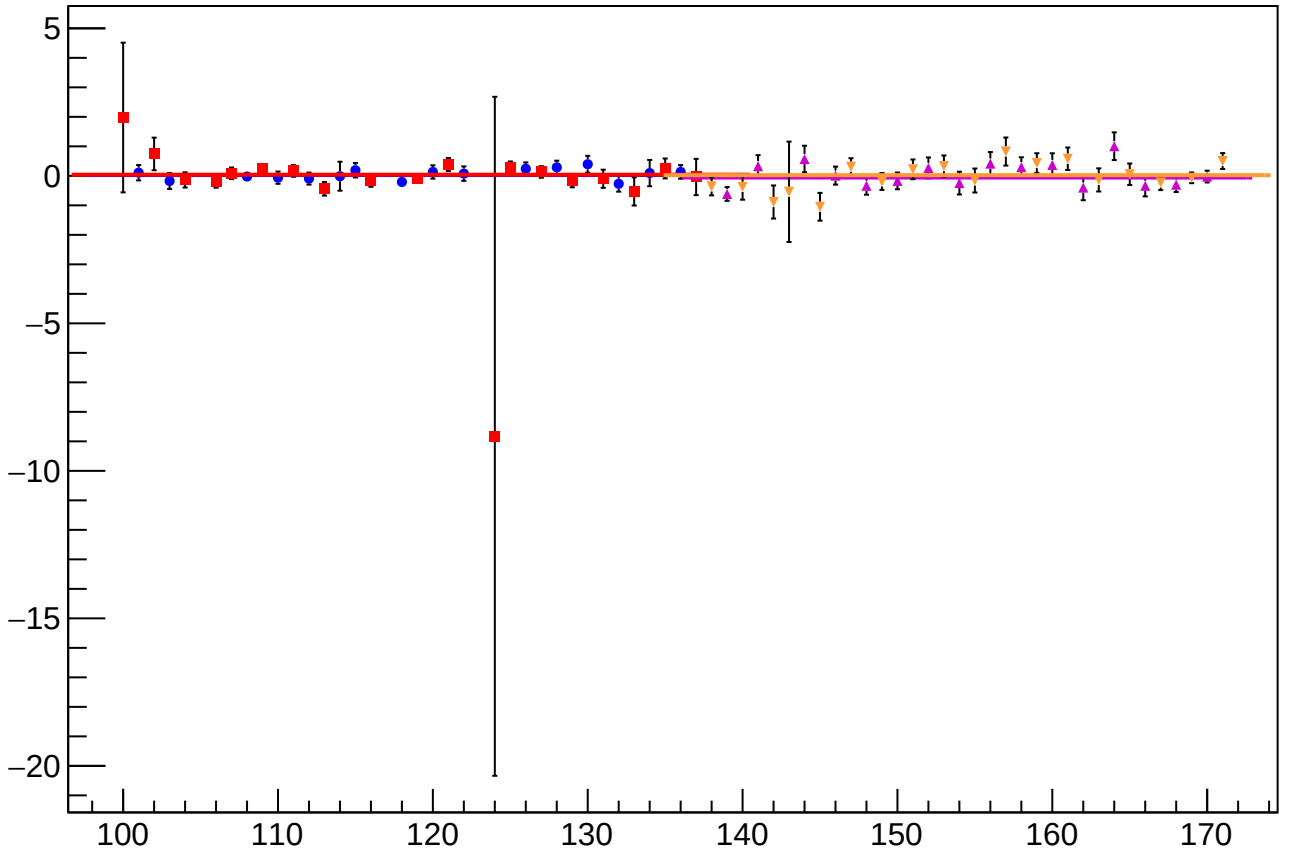
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF: 8337906.2/68

- sign 0.000+/-0.000 χ^2/NDF: 3414108.5/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

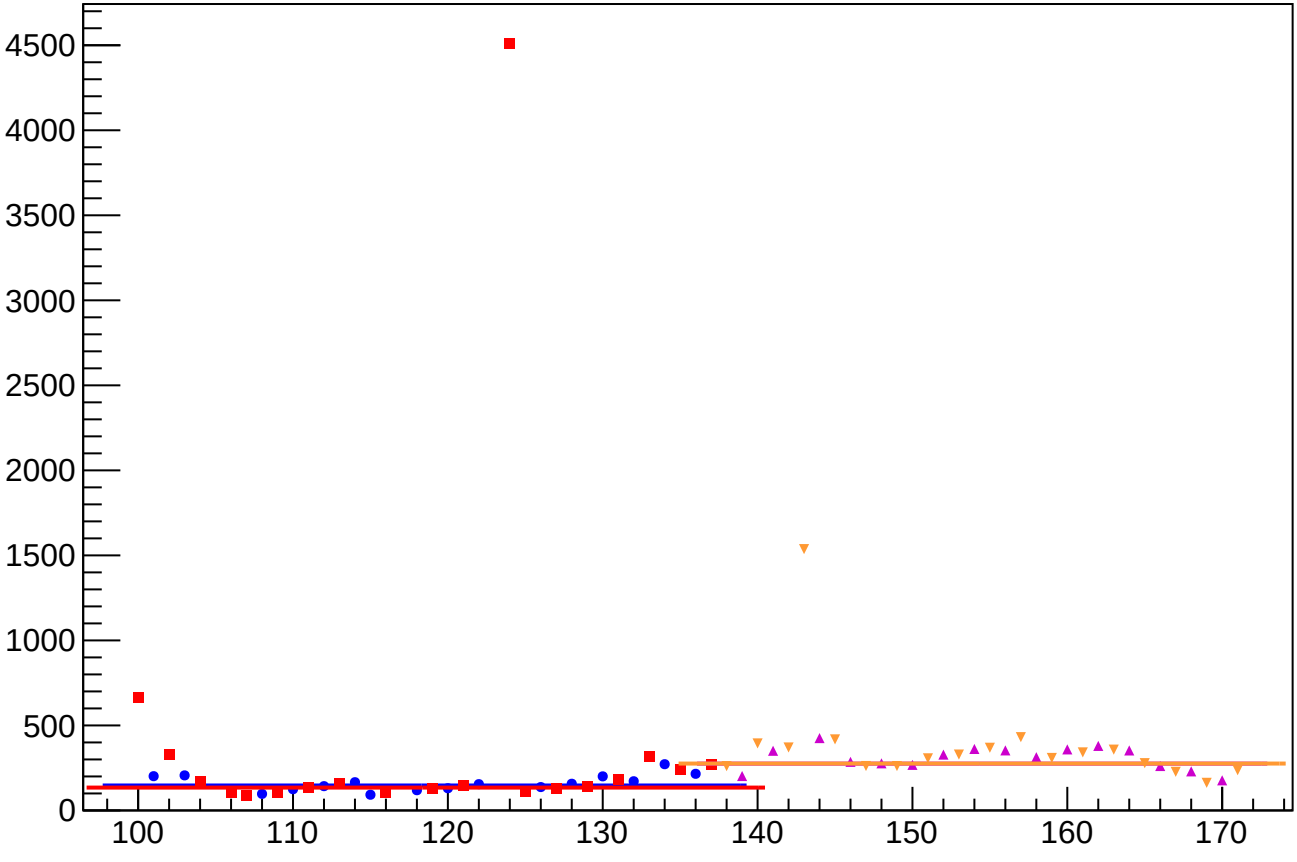
Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

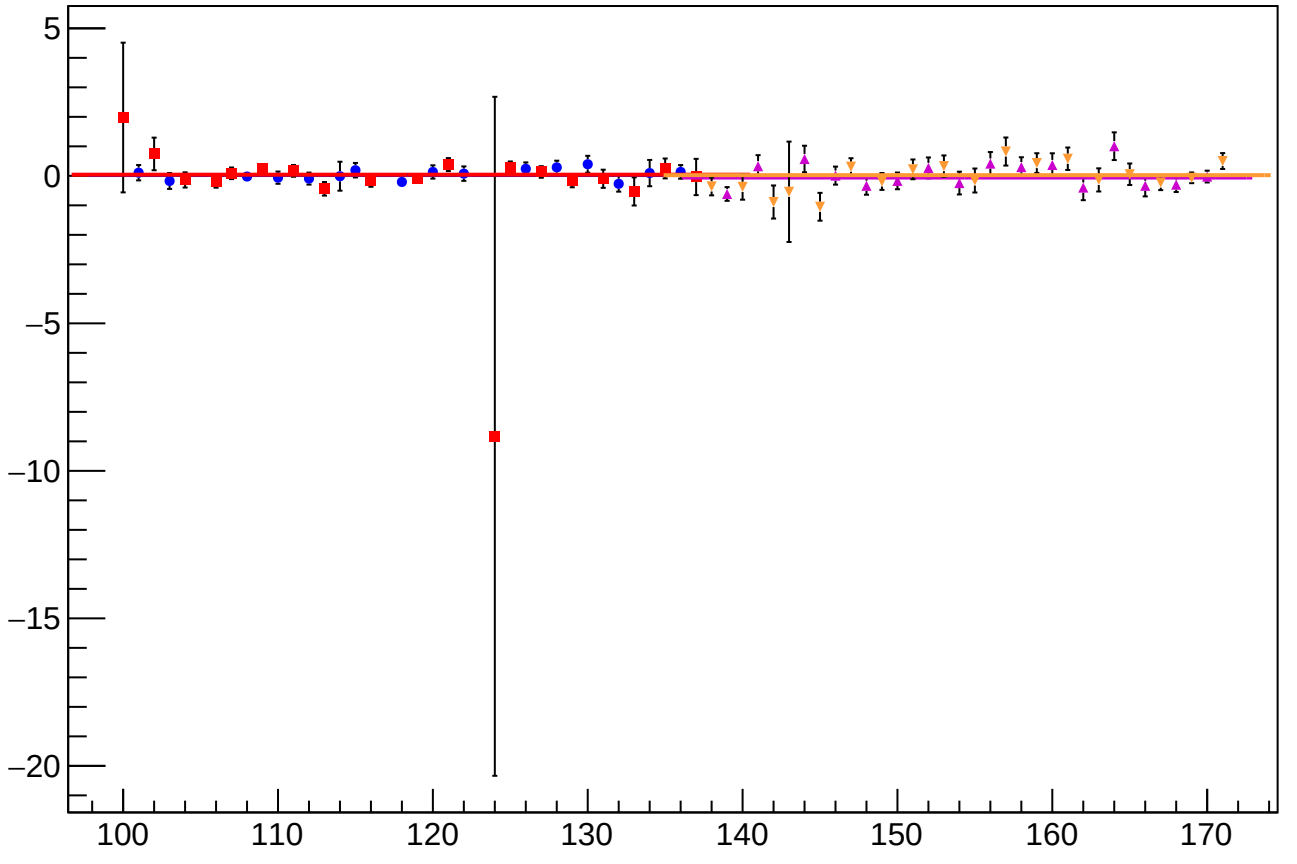
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

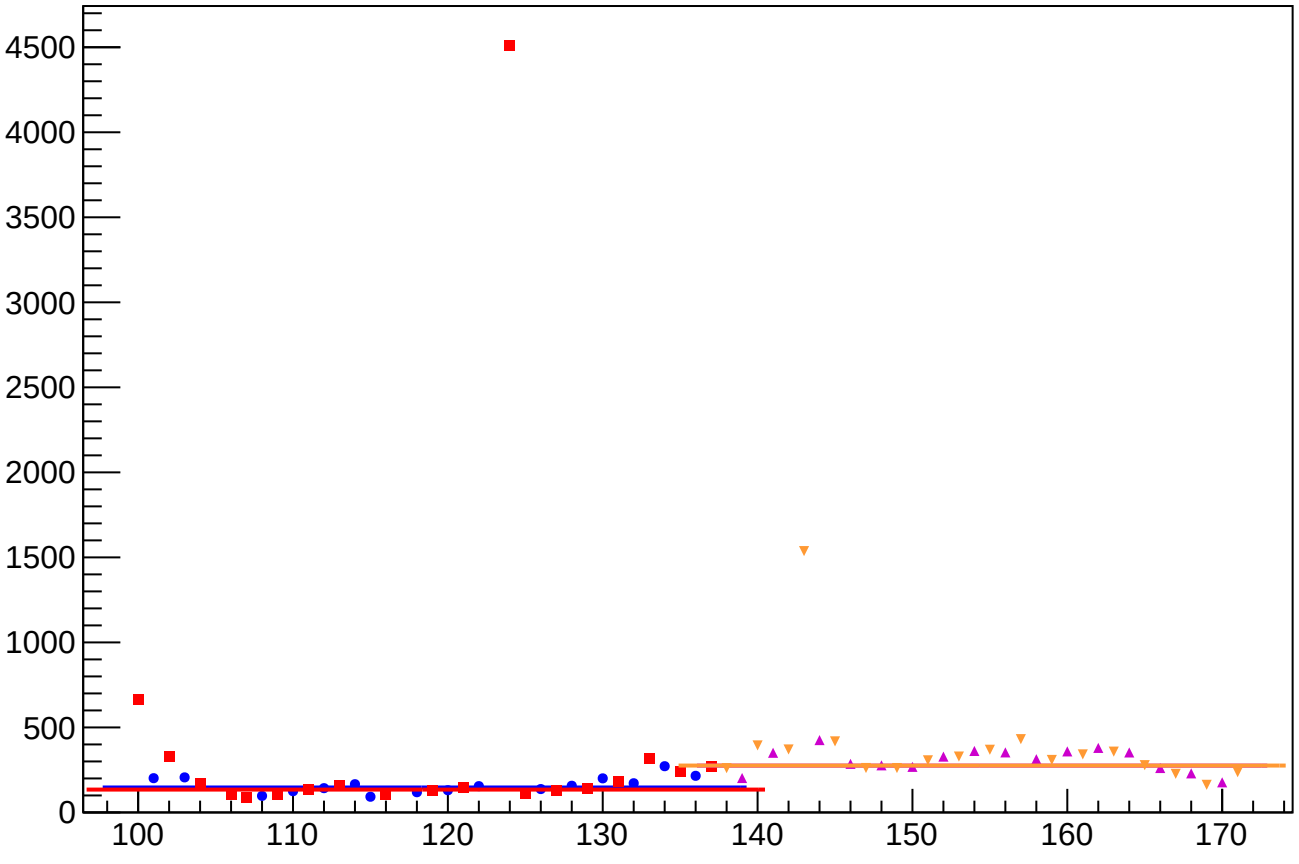
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF:2935721.4/17

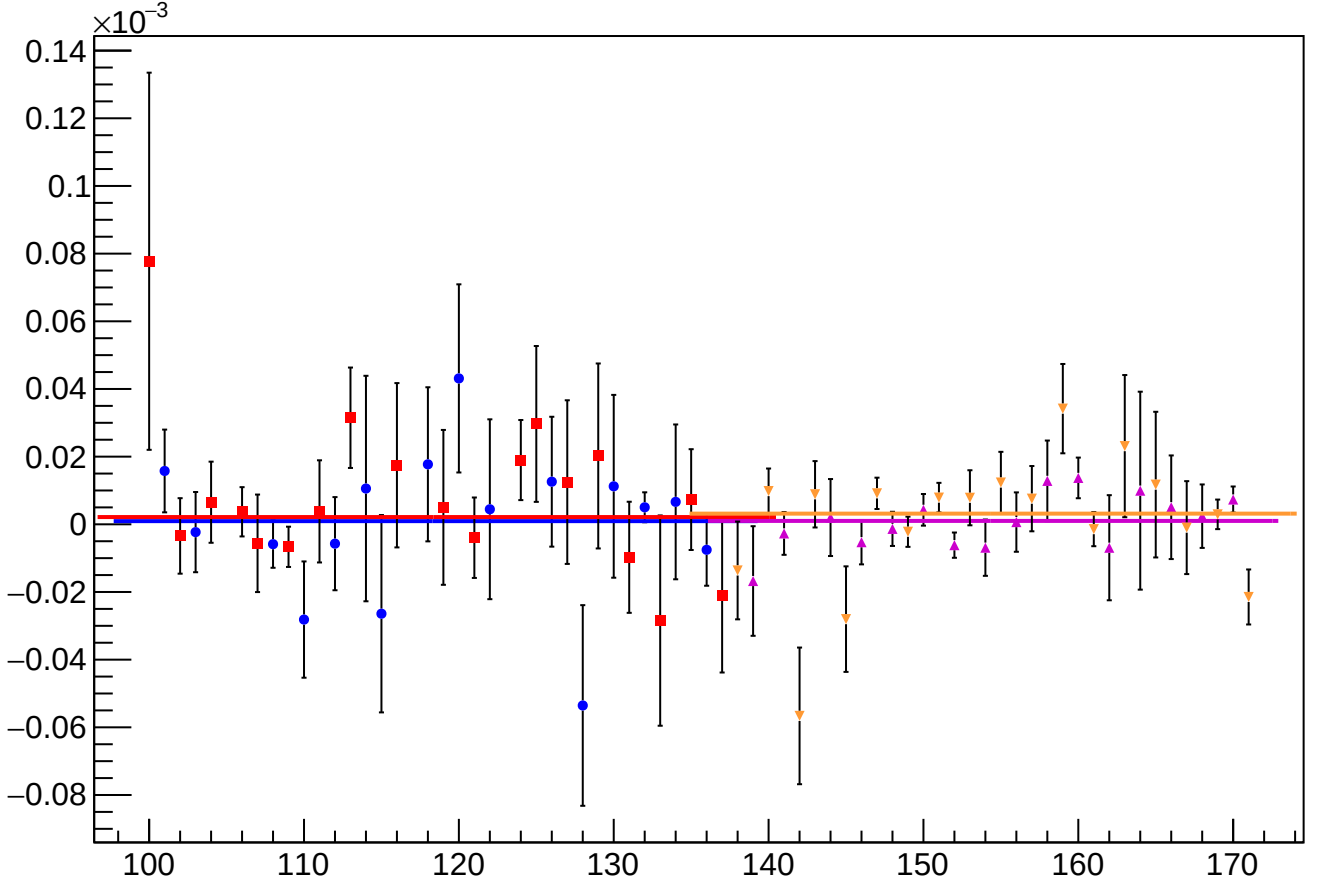
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/17

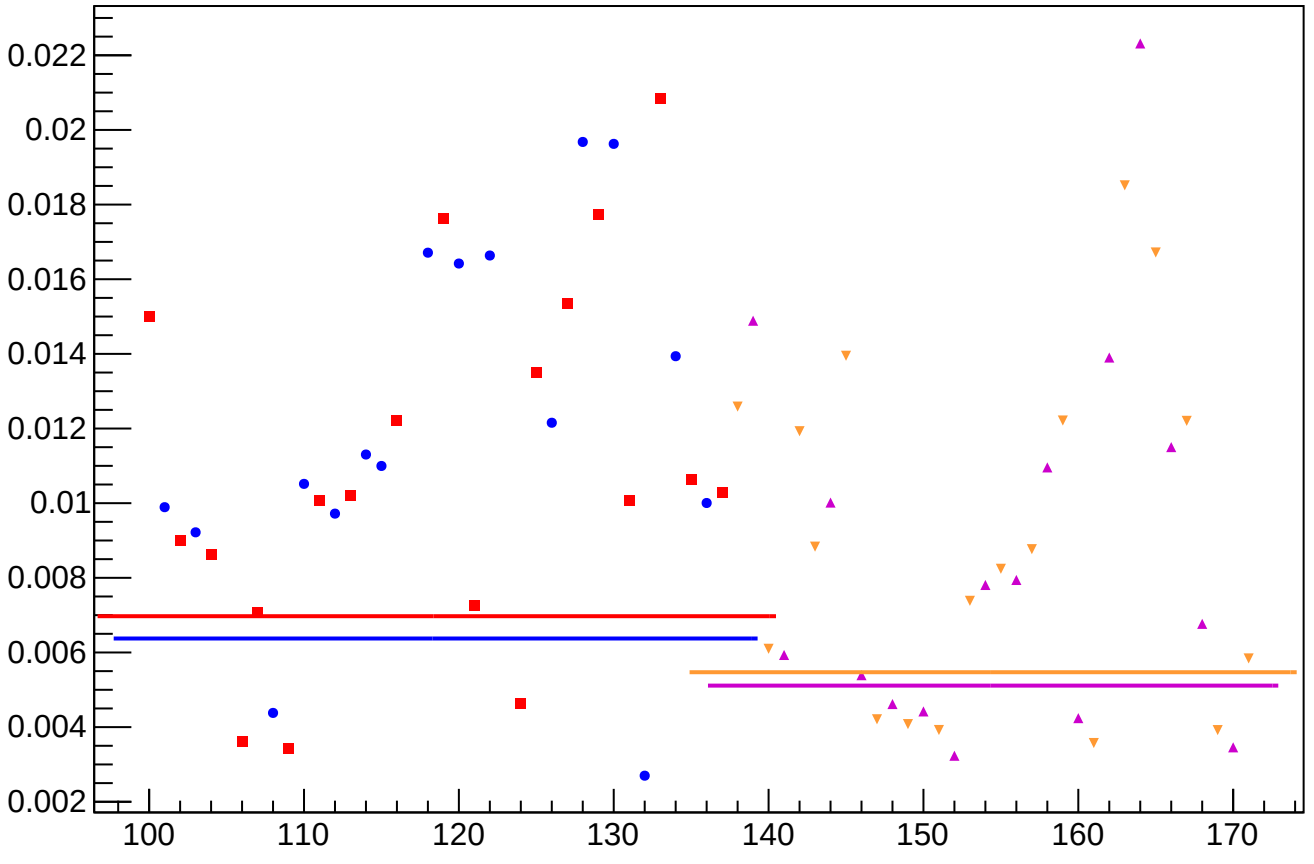
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/33

All: 0.000+/-0.000 χ^2/NDF: 86.2/68

- sign 0.000+/-0.000 χ^2/NDF: 32.5/34



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

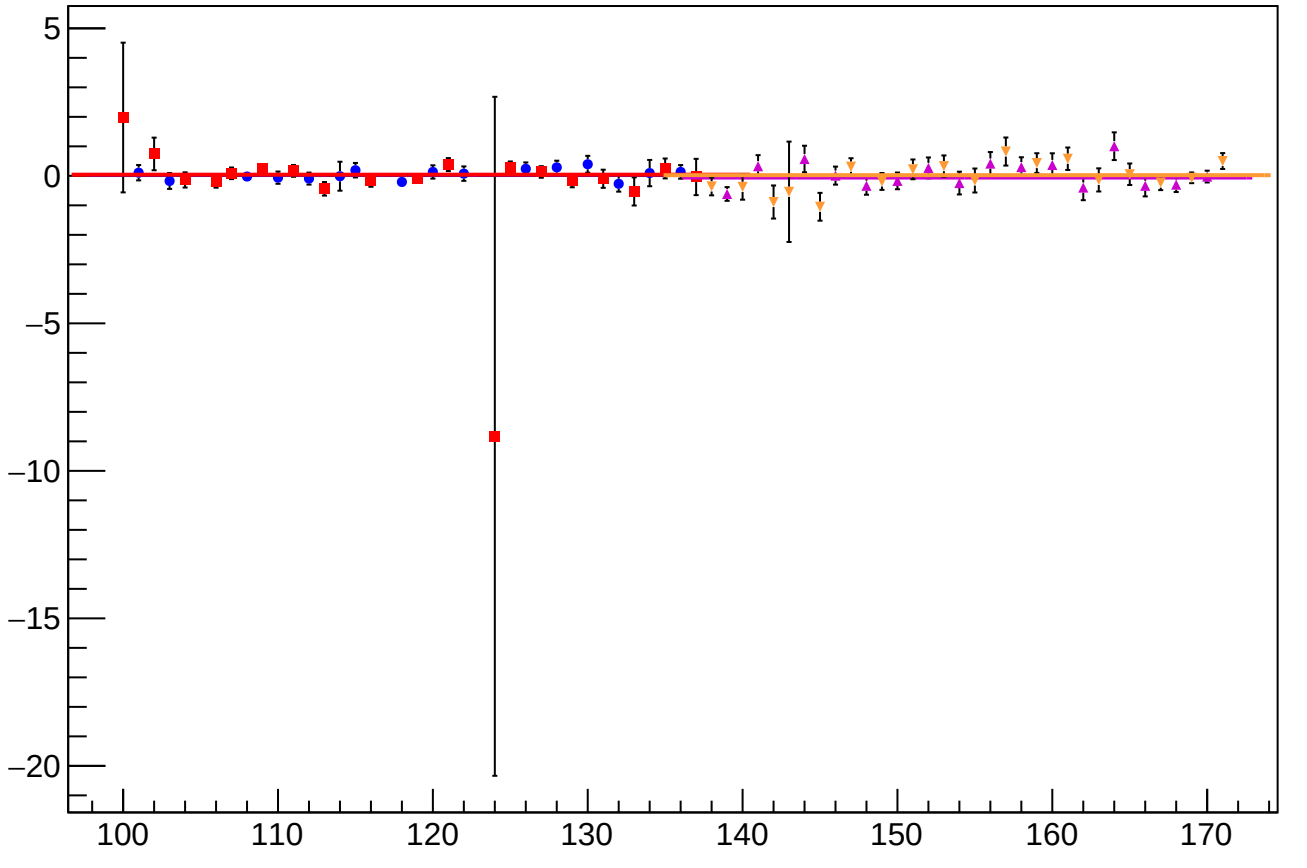
Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

+ sign 0.006+/-0.000 χ^2/NDF: 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

- sign 0.006+/-0.000 χ^2/NDF: 8756586.9/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

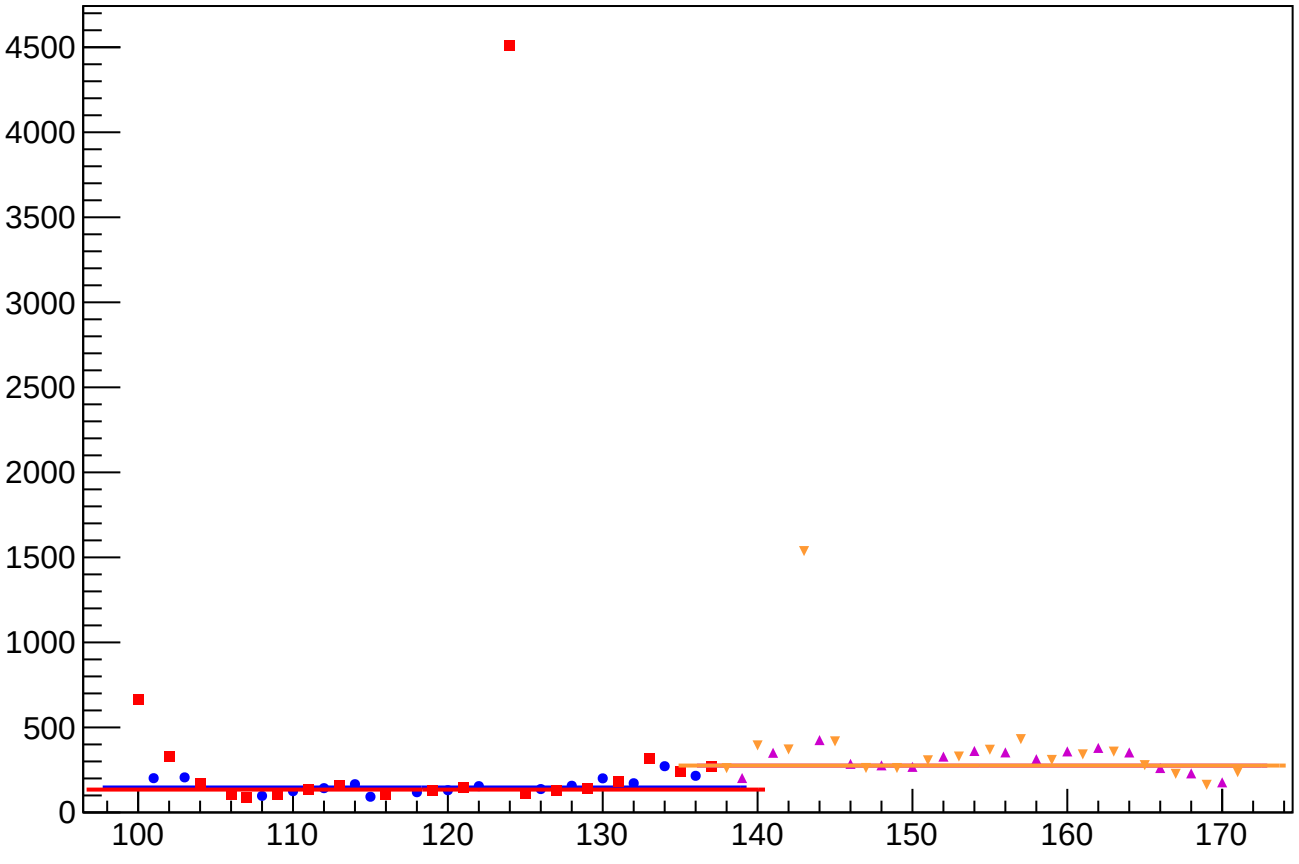
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF:2935825.9/17

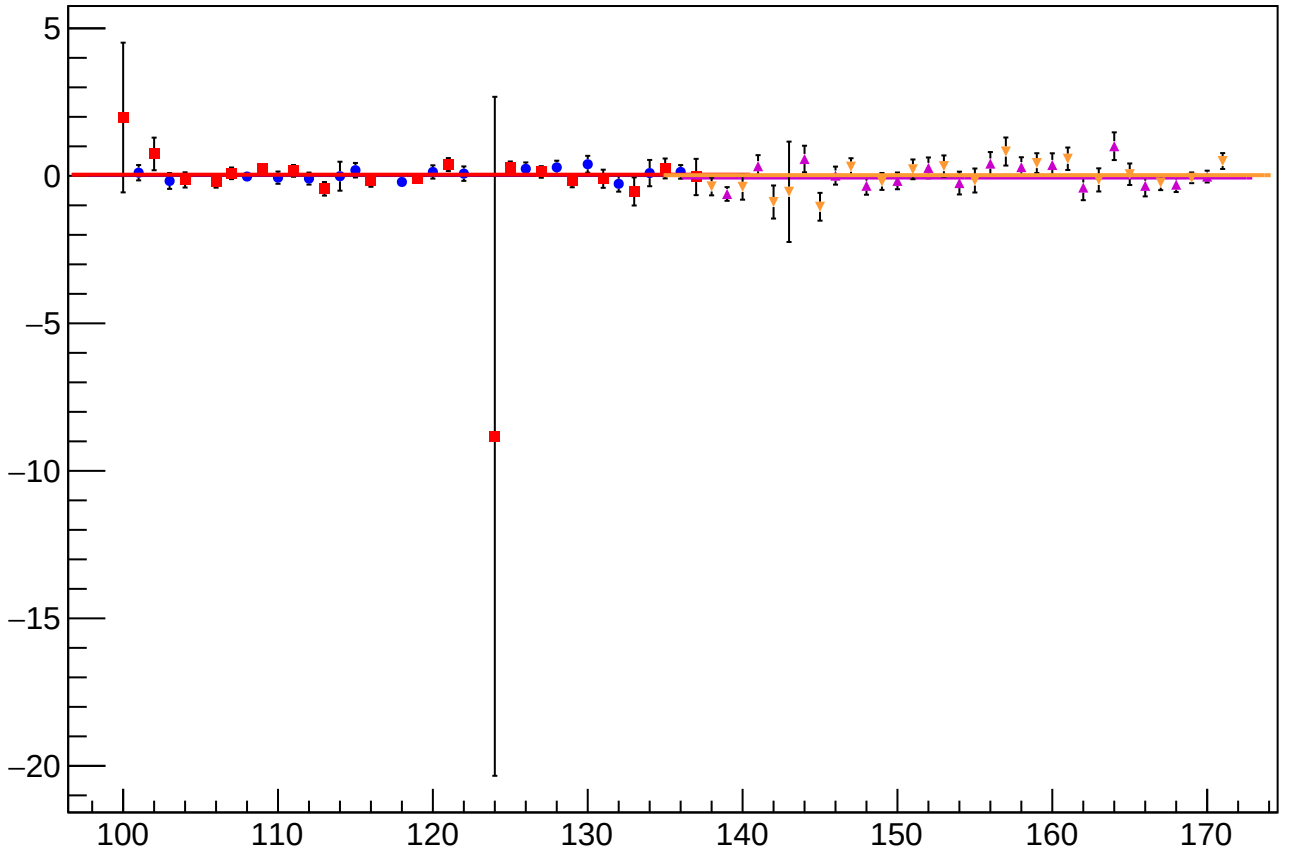
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473290.6/33

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

- sign 180.126+/-0.032 χ^2/NDF: 7455416.9/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

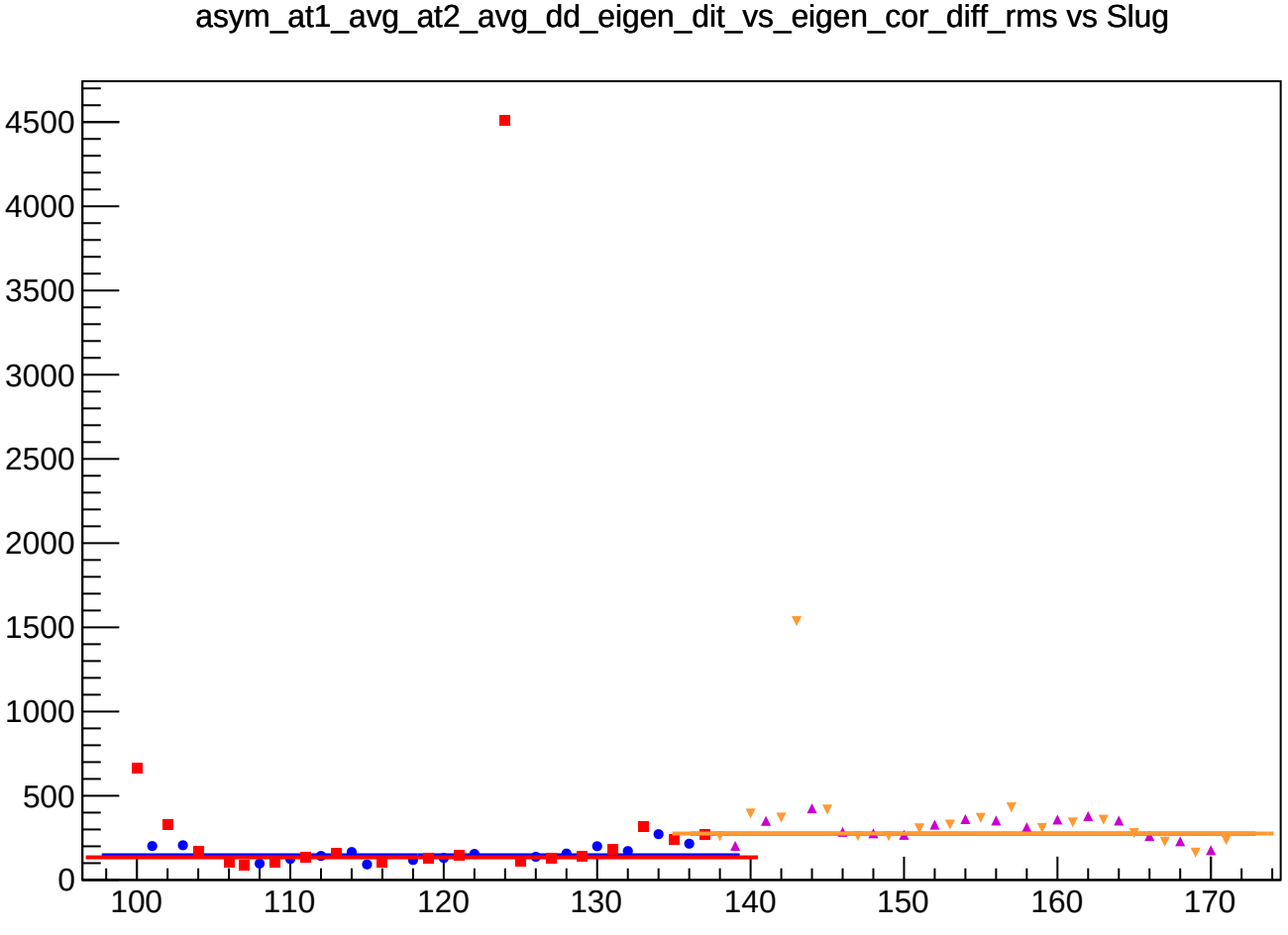
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF:2935825.9/17

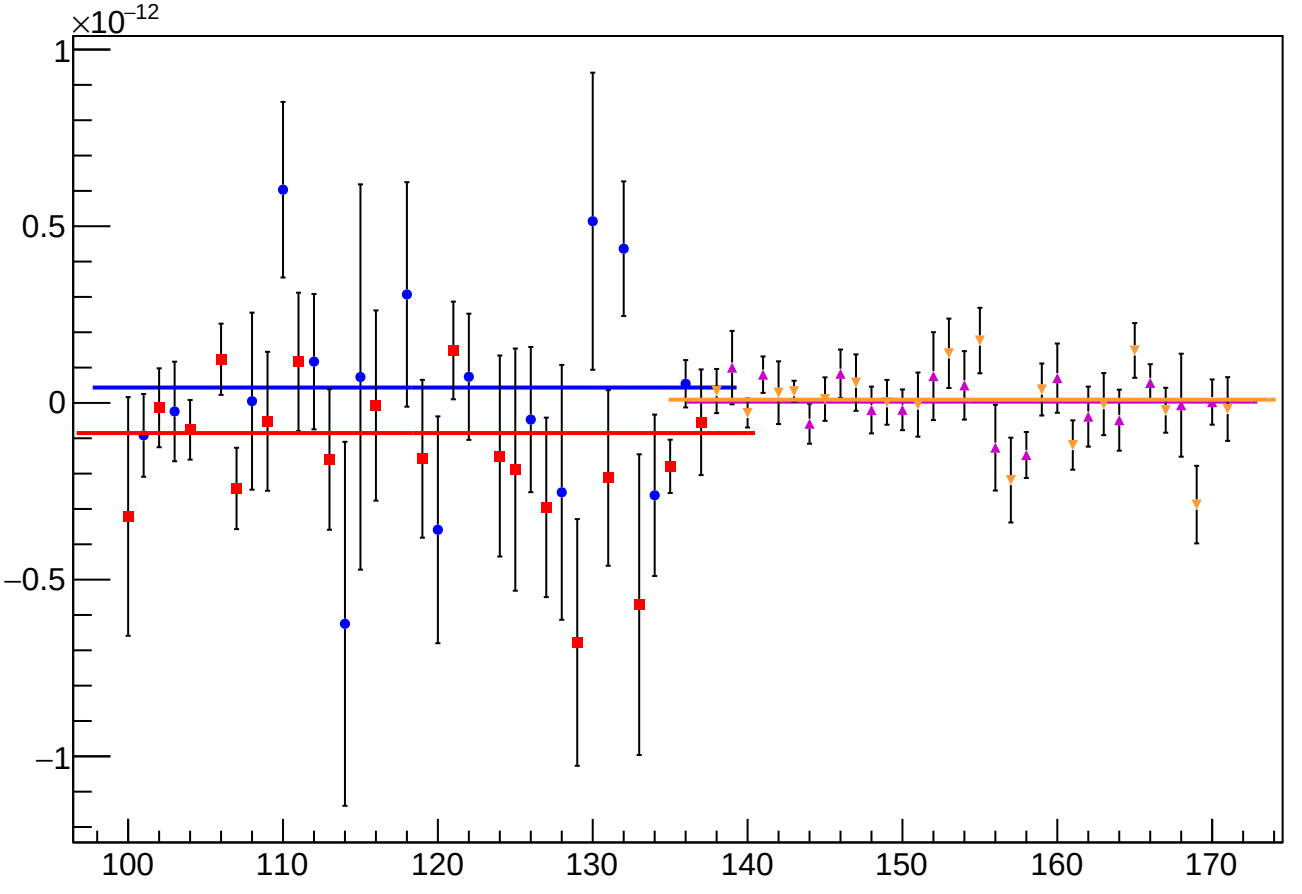
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473290.6/33

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

- sign 180.126+/-0.032 χ^2/NDF: 7455416.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

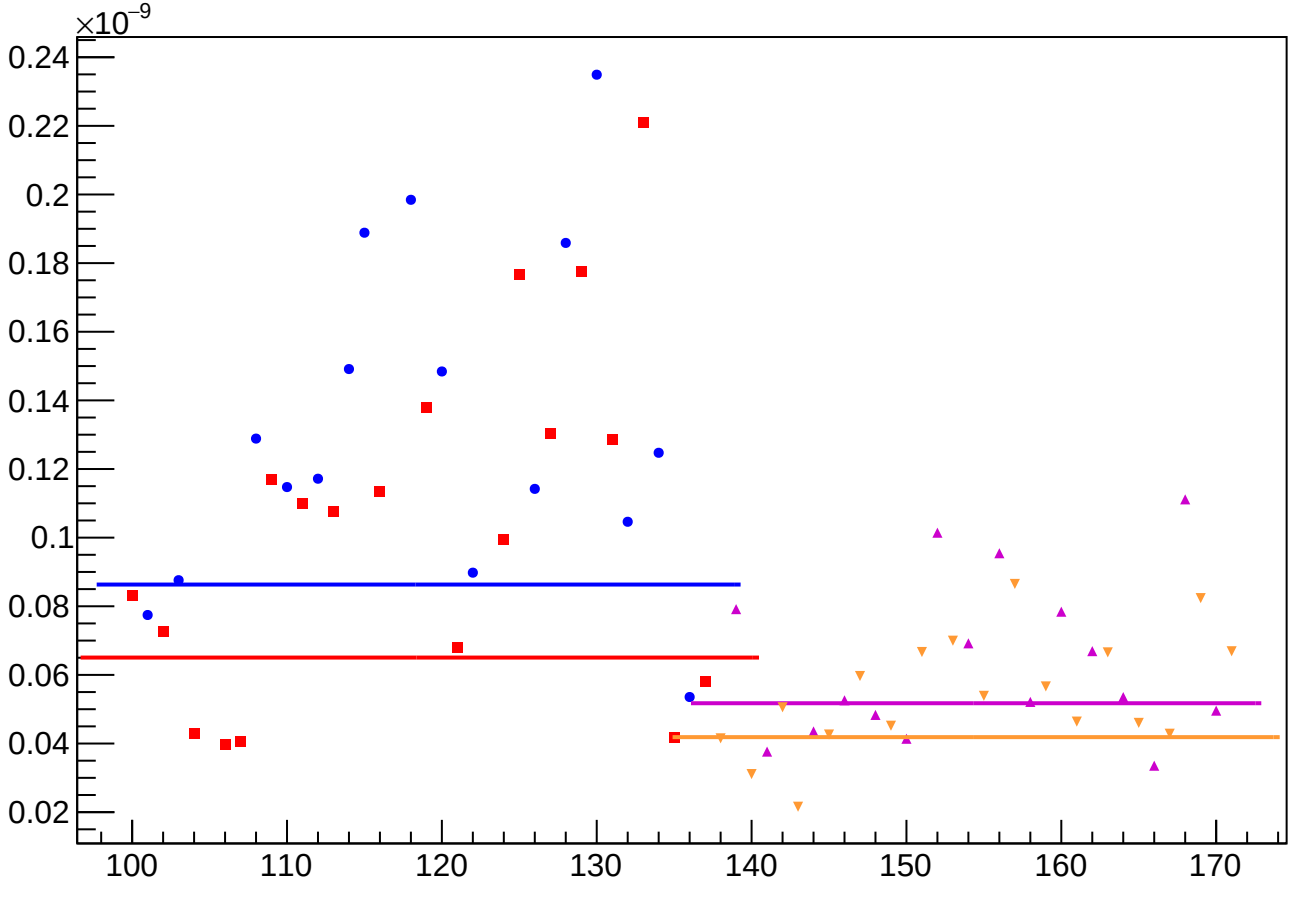
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/33

All: 0.000+/-0.000 χ^2/NDF: 85.1/68

- sign -0.000+/-0.000 χ^2/NDF: 38.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

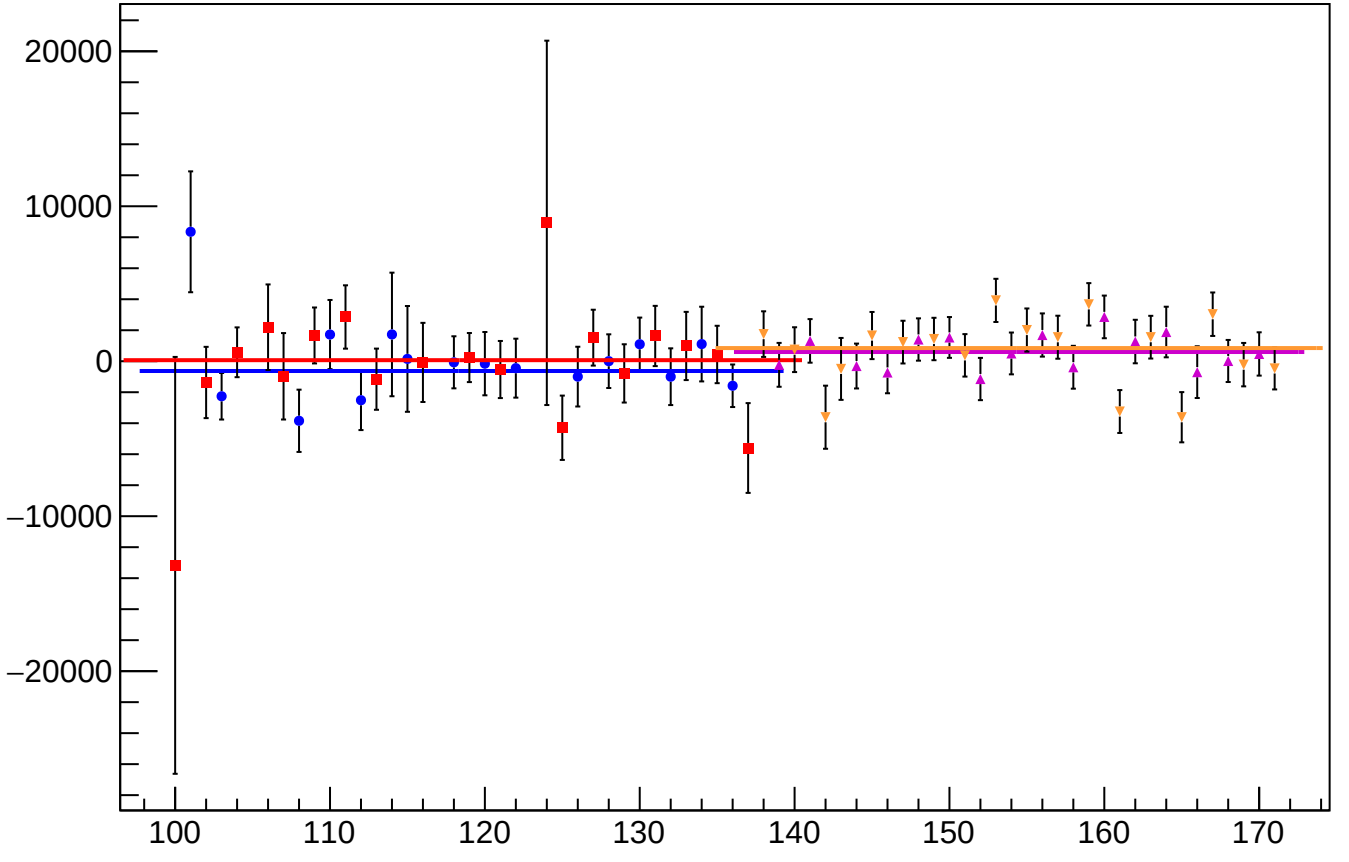
Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4224126.8/34

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: 67.642+/-487.761 χ^2/NDF: 15.9/18

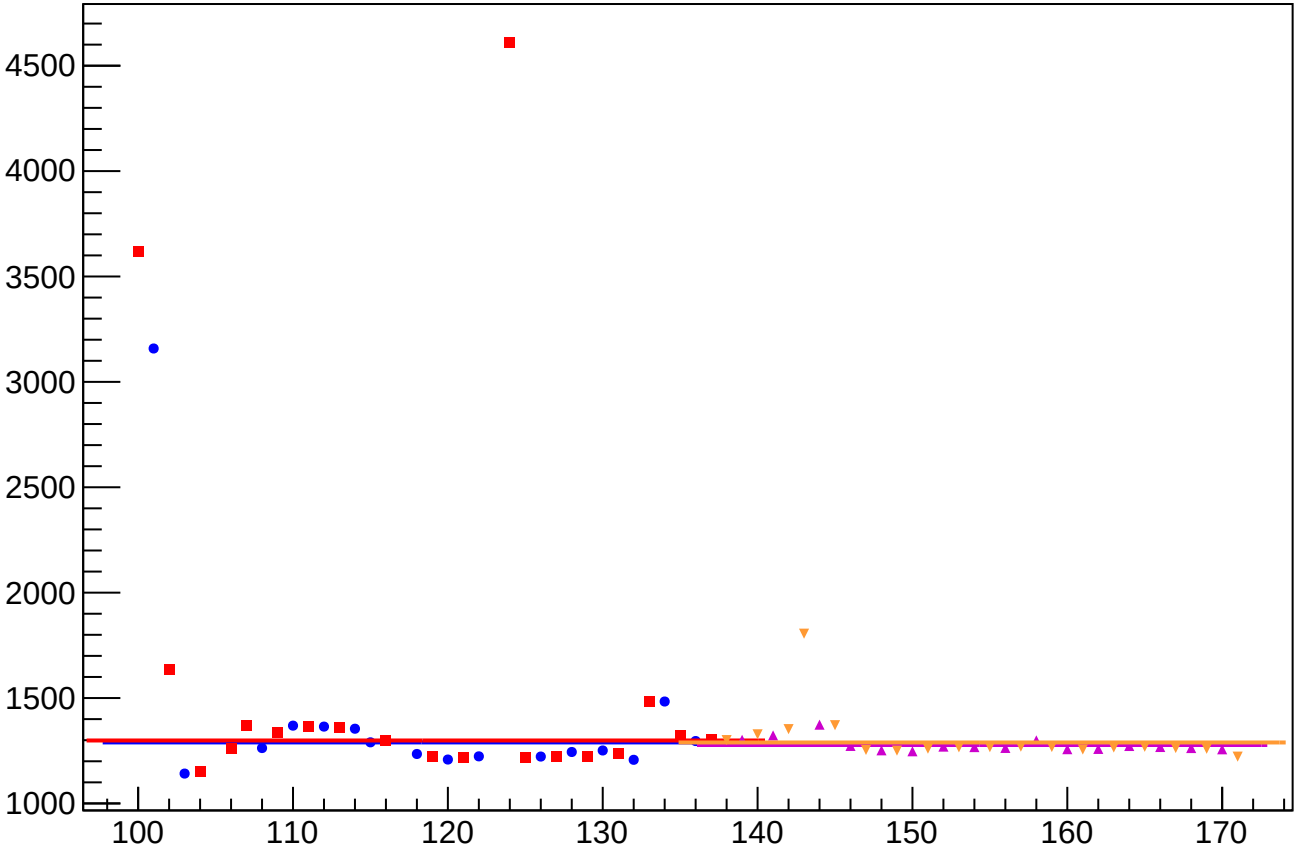
Left In: 594.475+/-351.364 χ^2/NDF:9.9/15

+ sign 362.118+/-280.387 χ^2/NDF: 57.0/33

All: 387.867+/-199.907 χ^2/NDF: 83.6/68

- sign 414.489+/-285.095 χ^2/NDF: 26.6/34

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

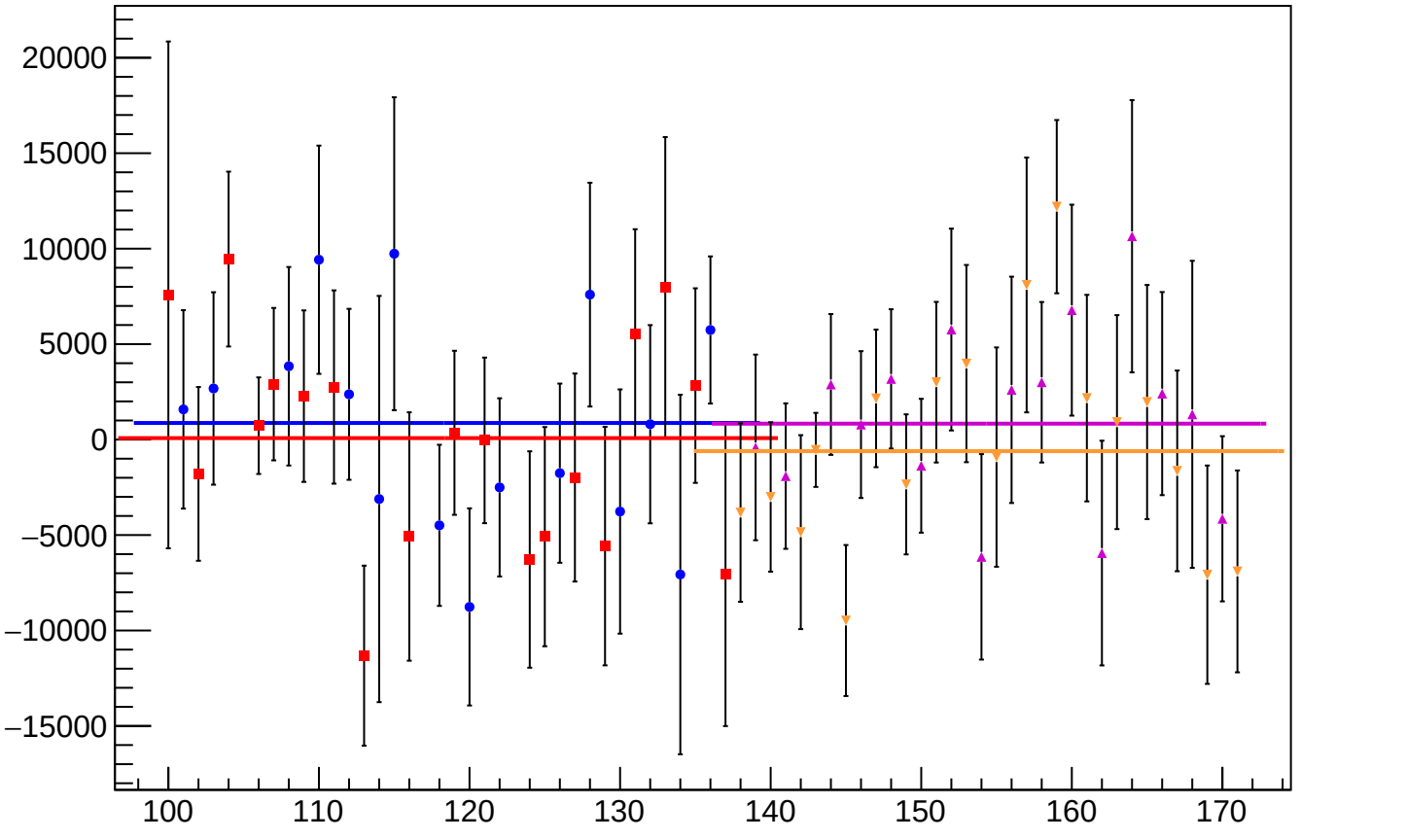
Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671820.3/33

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68

- sign 1284.582+/-0.201 χ^2/NDF: 337584.5/34



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -605.136+/-989.466 χ^2/NDF:21.8/17

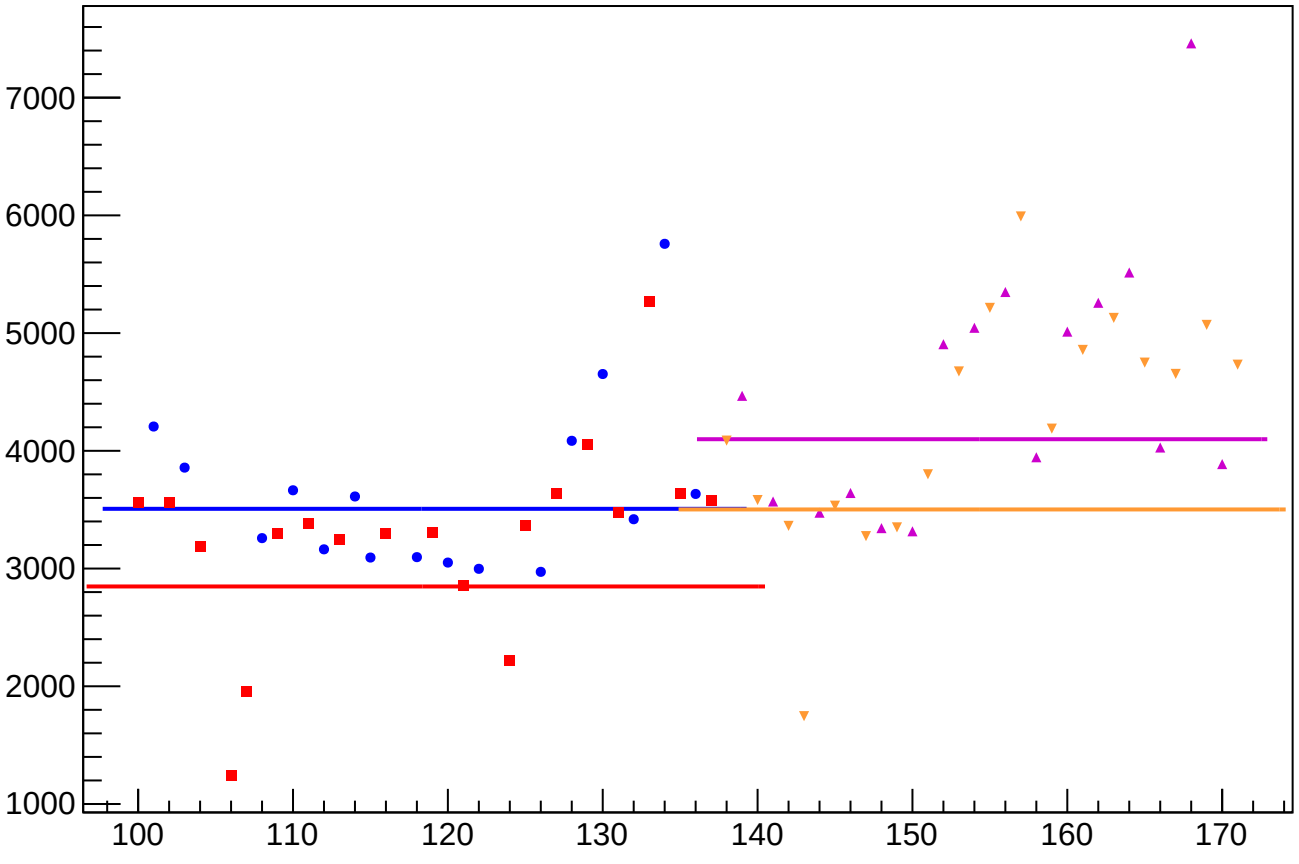
Right Out: 77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: 834.151+/-1154.851 χ^2/NDF:10.4/15

+ sign -77.057+/-792.861 χ^2/NDF: 36.7/33

All: 179.491+/-563.380 χ^2/NDF: 65.9/68

- sign 441.121+/-800.677 χ^2/NDF: 29.0/34



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

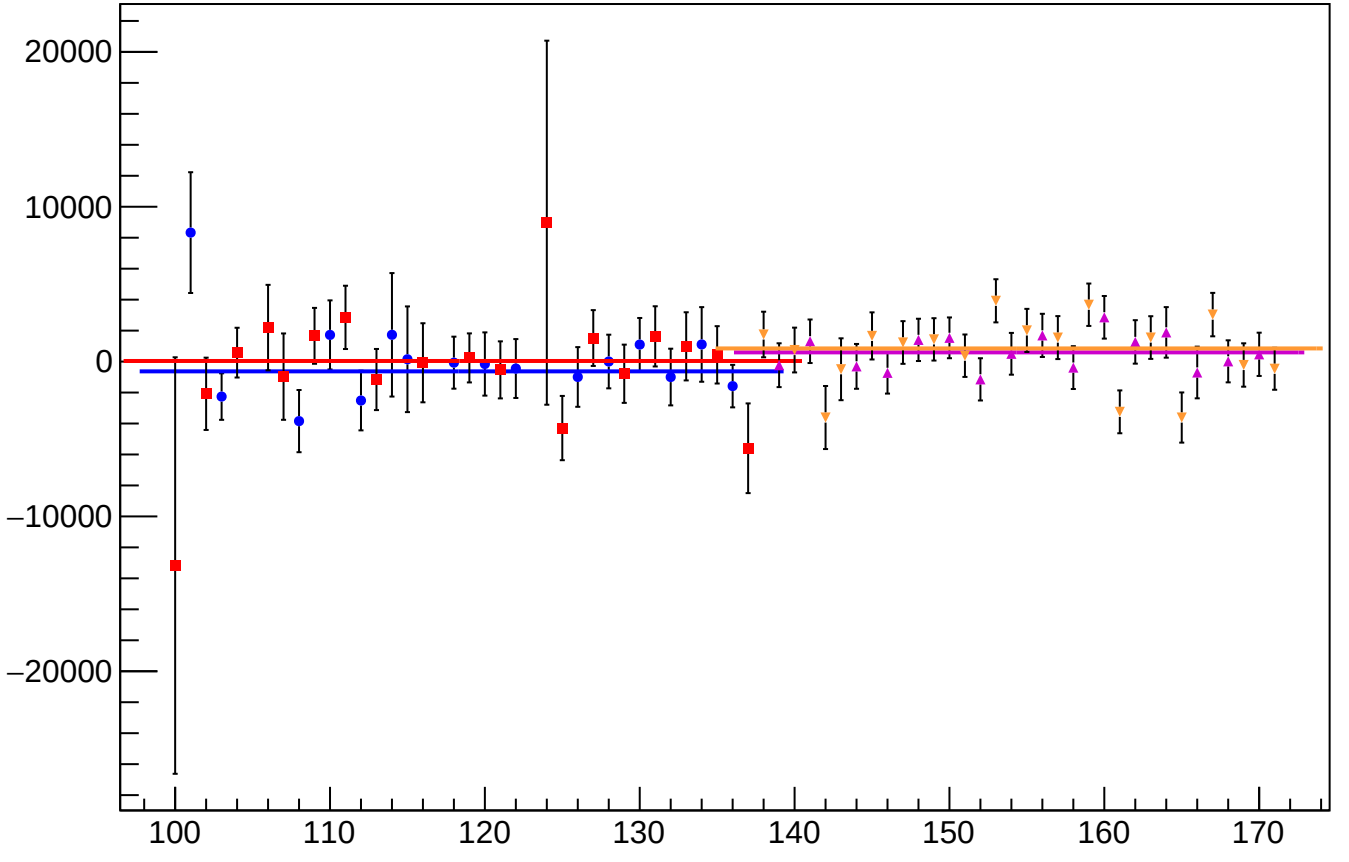
Left In: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

+ sign 3503.928+/-0.561 χ^2/NDF: 3384673.4/33

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68

- sign 3449.079+/-0.566 χ^2/NDF: 3804776.3/34

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

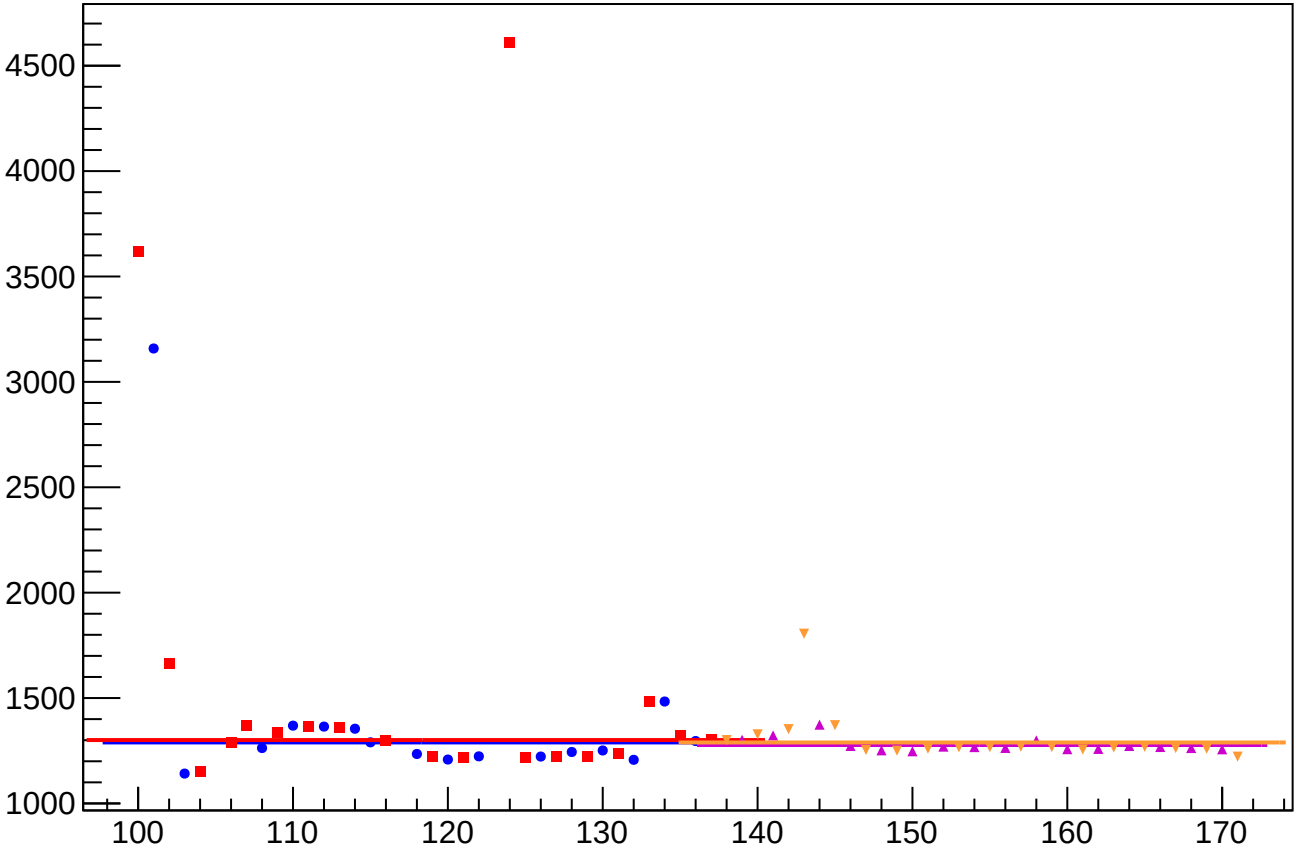
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

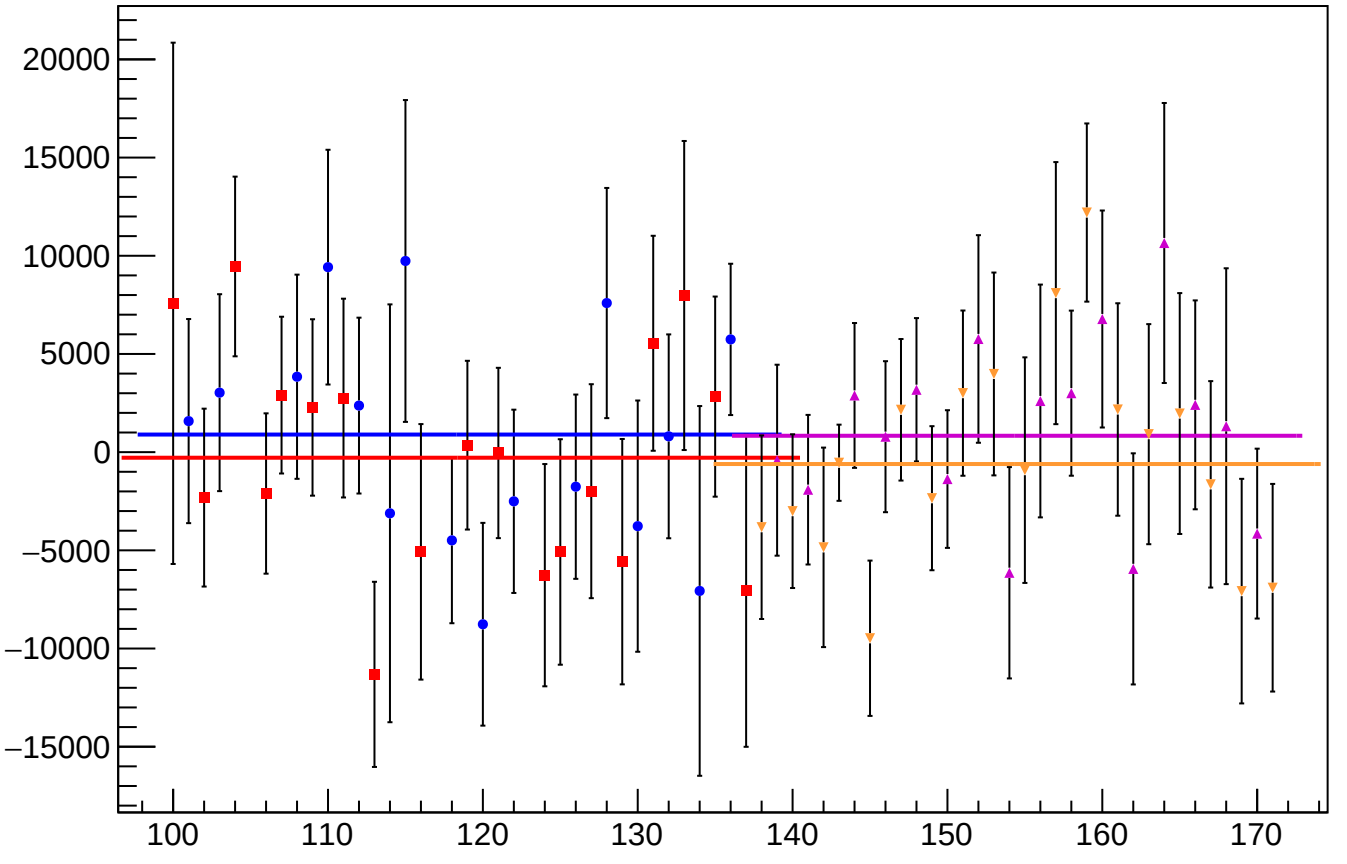
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

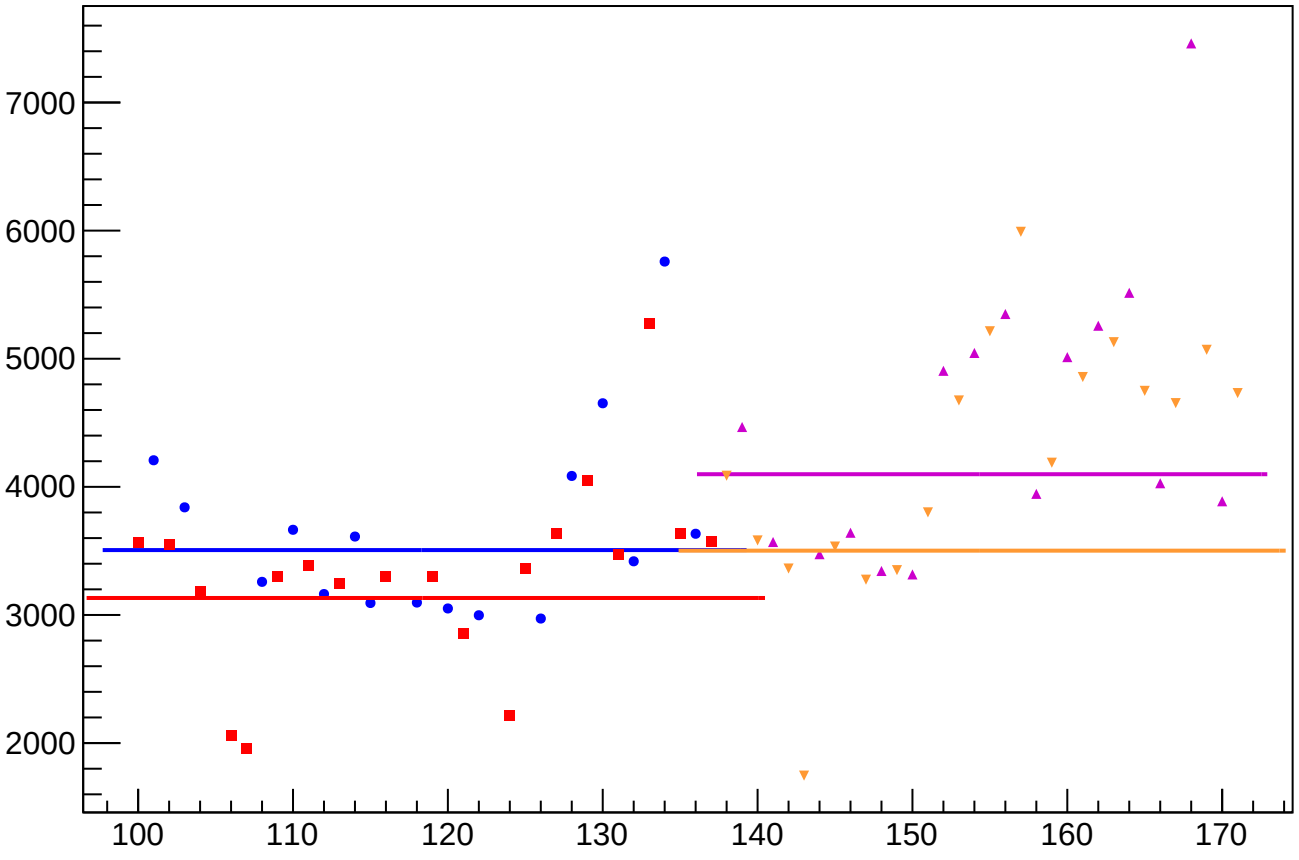
Right Out: -283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: 834.195+/-1154.849 χ^2/NDF:10.4/15

+ sign -67.557+/-792.763 χ^2/NDF: 36.8/33

All: 103.147+/-572.101 χ^2/NDF: 66.3/68

- sign 288.659+/-826.433 χ^2/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

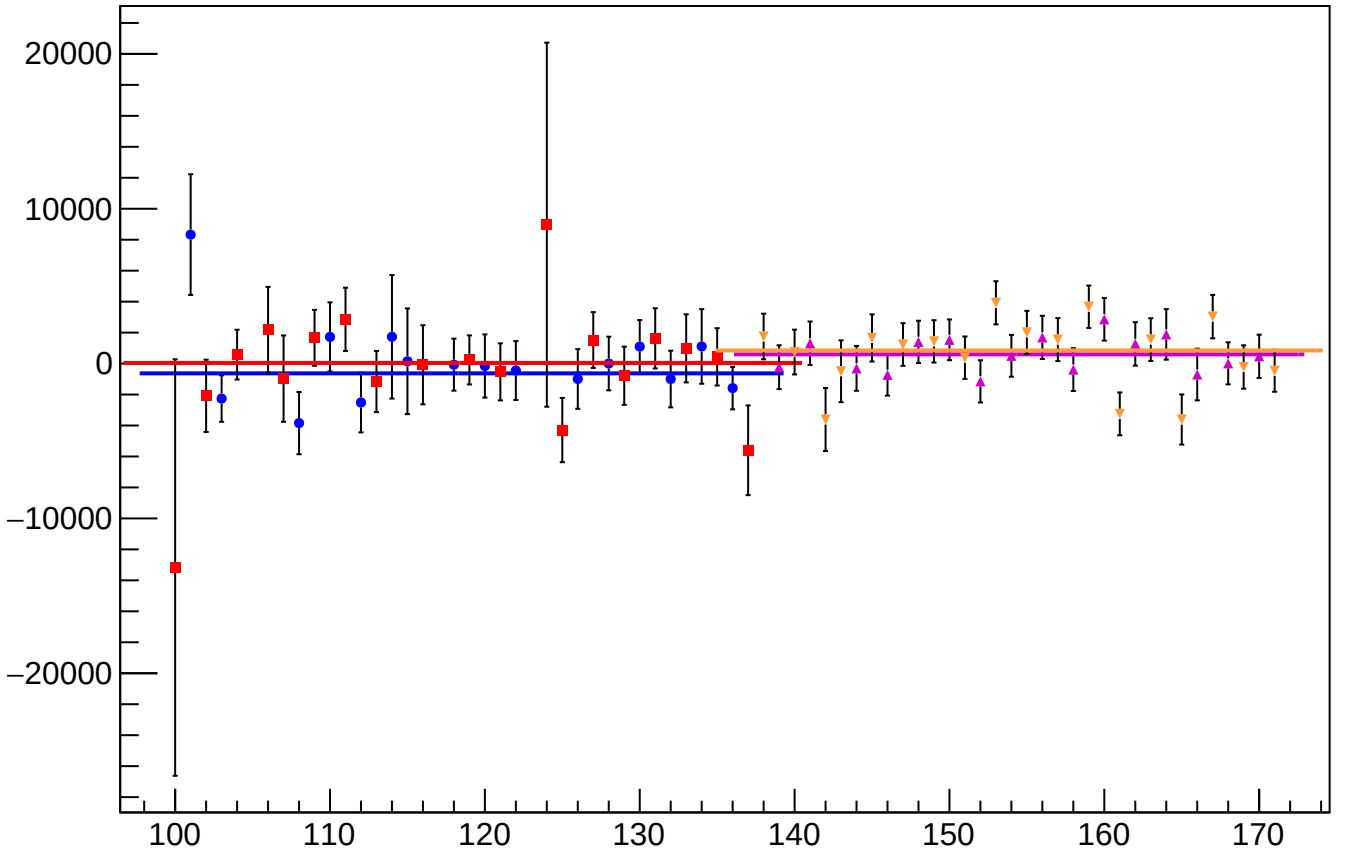
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: 38.623+/-488.084 χ^2/NDF: 16.3/18

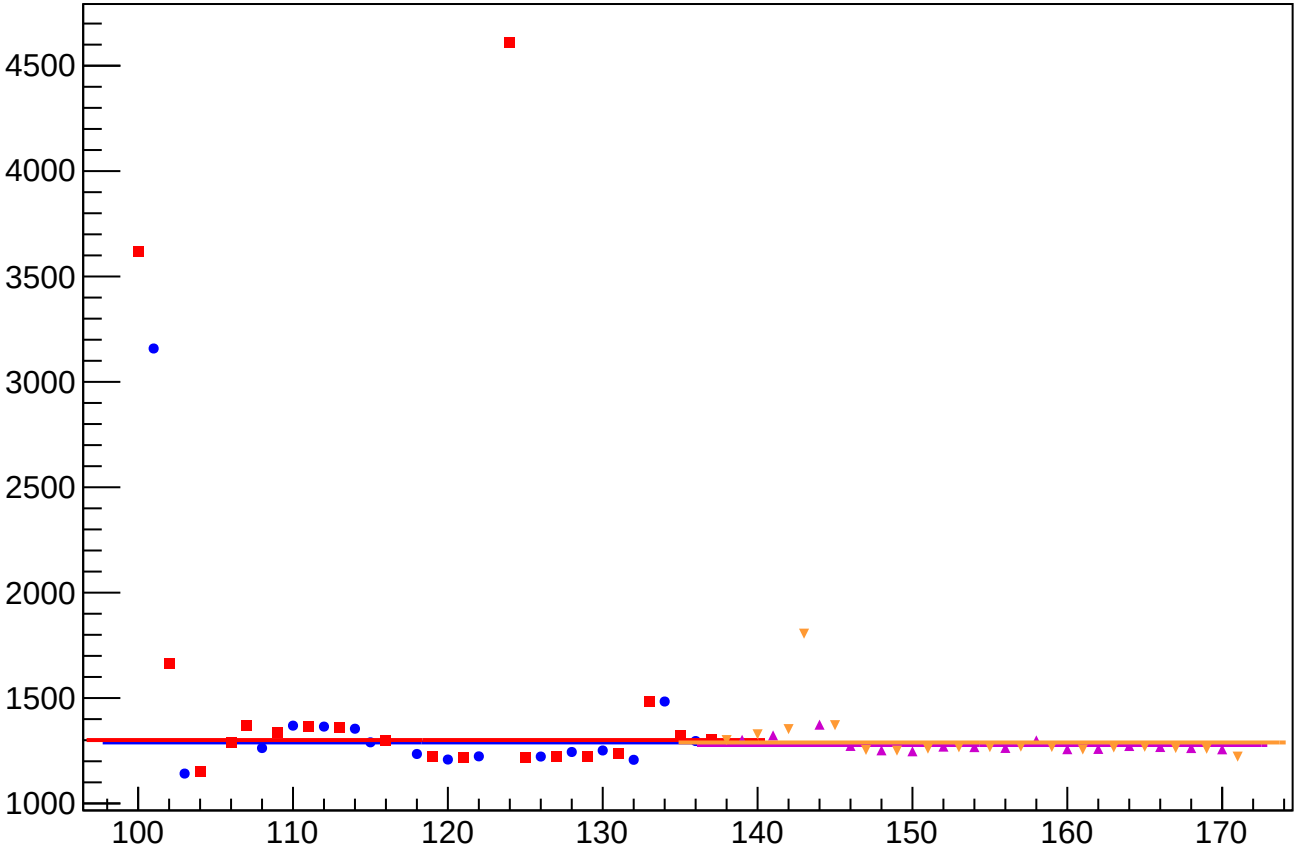
Left In: 594.460+/-351.364 χ^2/NDF:9.9/15

+ sign 362.015+/-280.387 χ^2/NDF: 57.0/33

All: 383.012+/-199.930 χ^2/NDF: 84.1/68

- sign 404.731+/-285.160 χ^2/NDF: 27.1/34

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

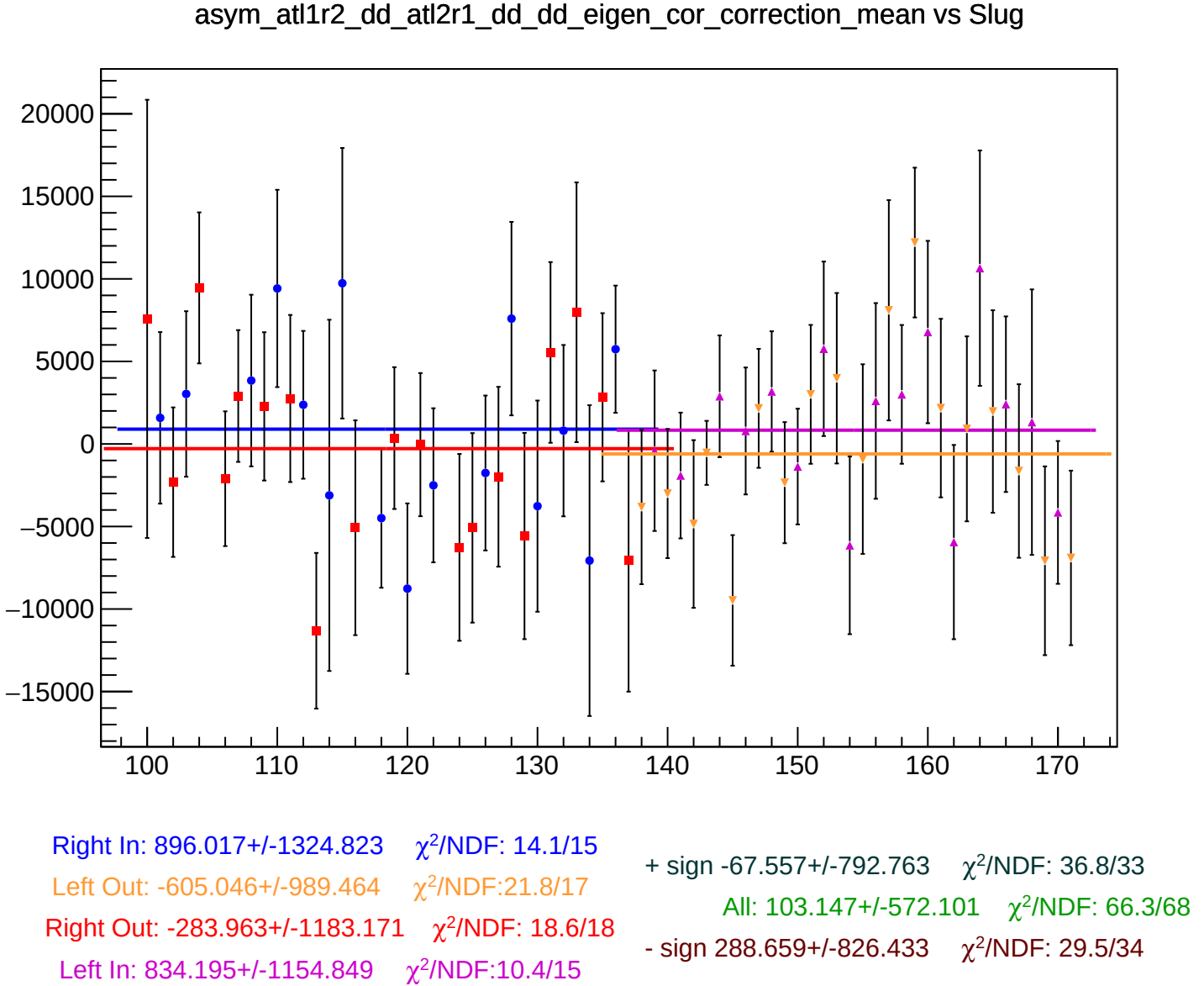
Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

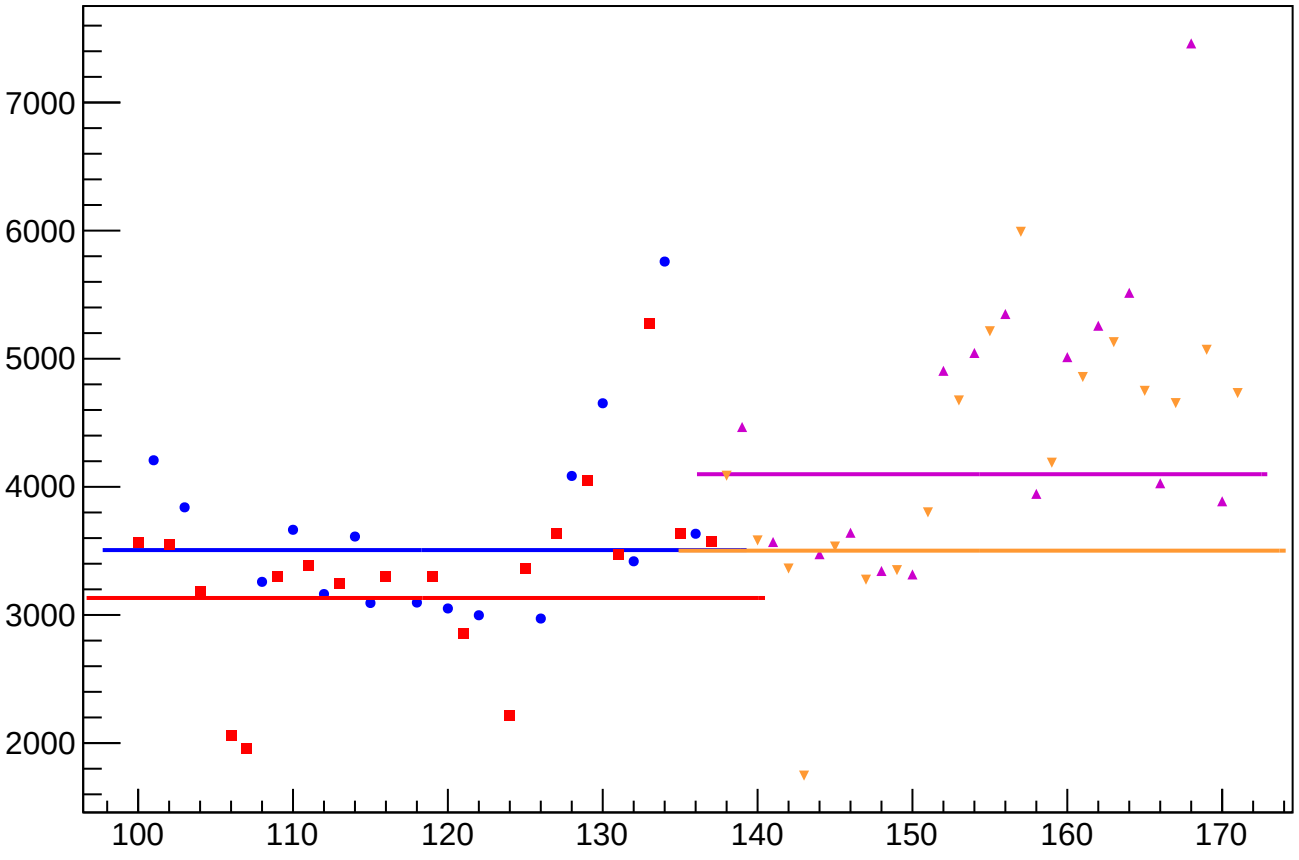
Left In: 1277.240+/-0.248 χ^2/NDF:15662.6/15

+ sign 1289.293+/-0.198 χ^2/NDF: 671821.7/33

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

- sign 1285.262+/-0.202 χ^2/NDF: 344616.9/34


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
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -605.046+/-989.464 χ²/NDF:21.8/17
Right Out: -283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: 834.195+/-1154.849 χ²/NDF:10.4/15
+ sign -67.557+/-792.763 χ²/NDF: 36.8/33
All: 103.147+/-572.101 χ²/NDF: 66.3/68
- sign 288.659+/-826.433 χ²/NDF: 29.5/34



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

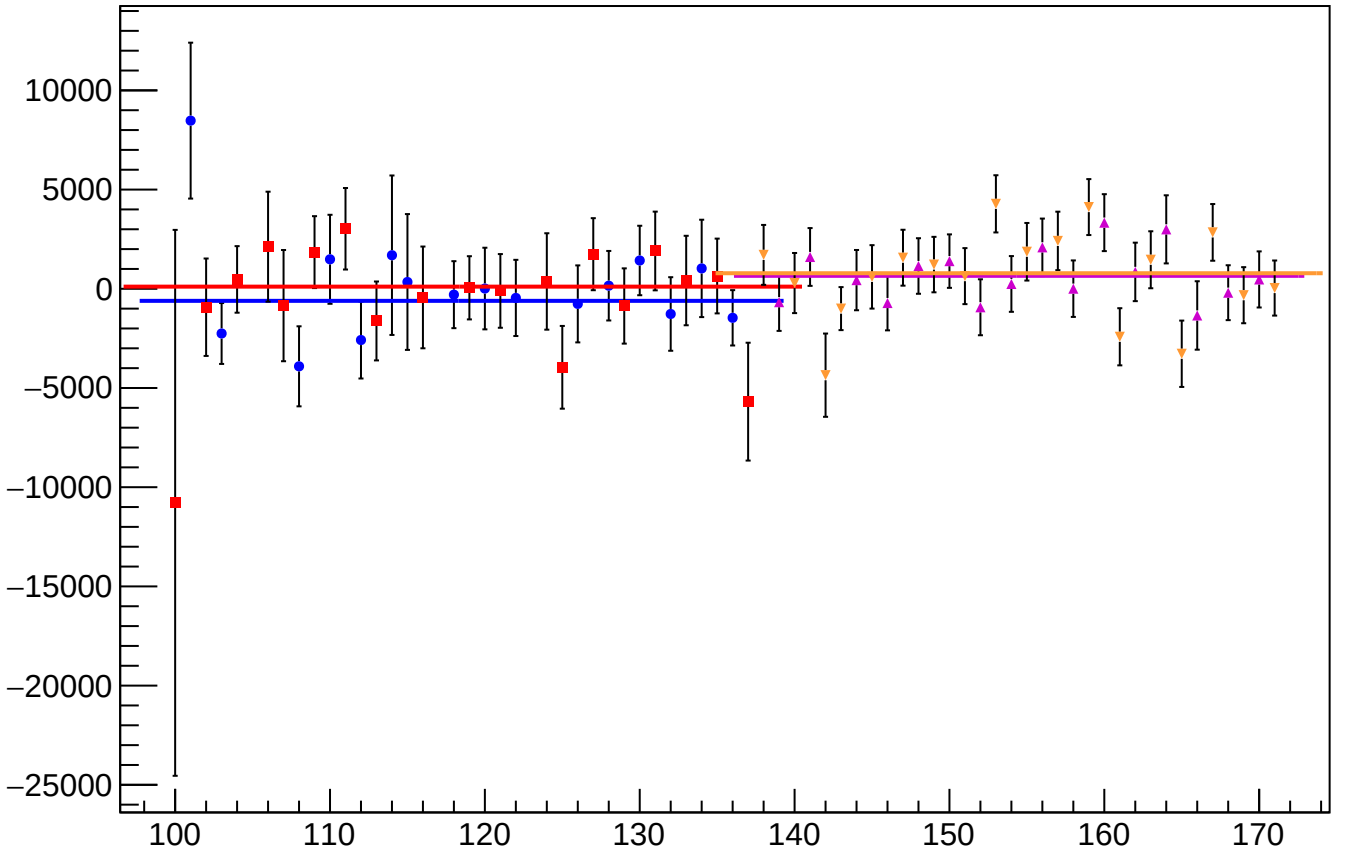
Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

+ sign 3503.596+/-0.561 χ^2/NDF: 3383955.6/33

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

- sign 3627.310+/-0.584 χ^2/NDF: 2419429.9/34



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.614+/-485.552 χ^2/NDF: 14.9/18

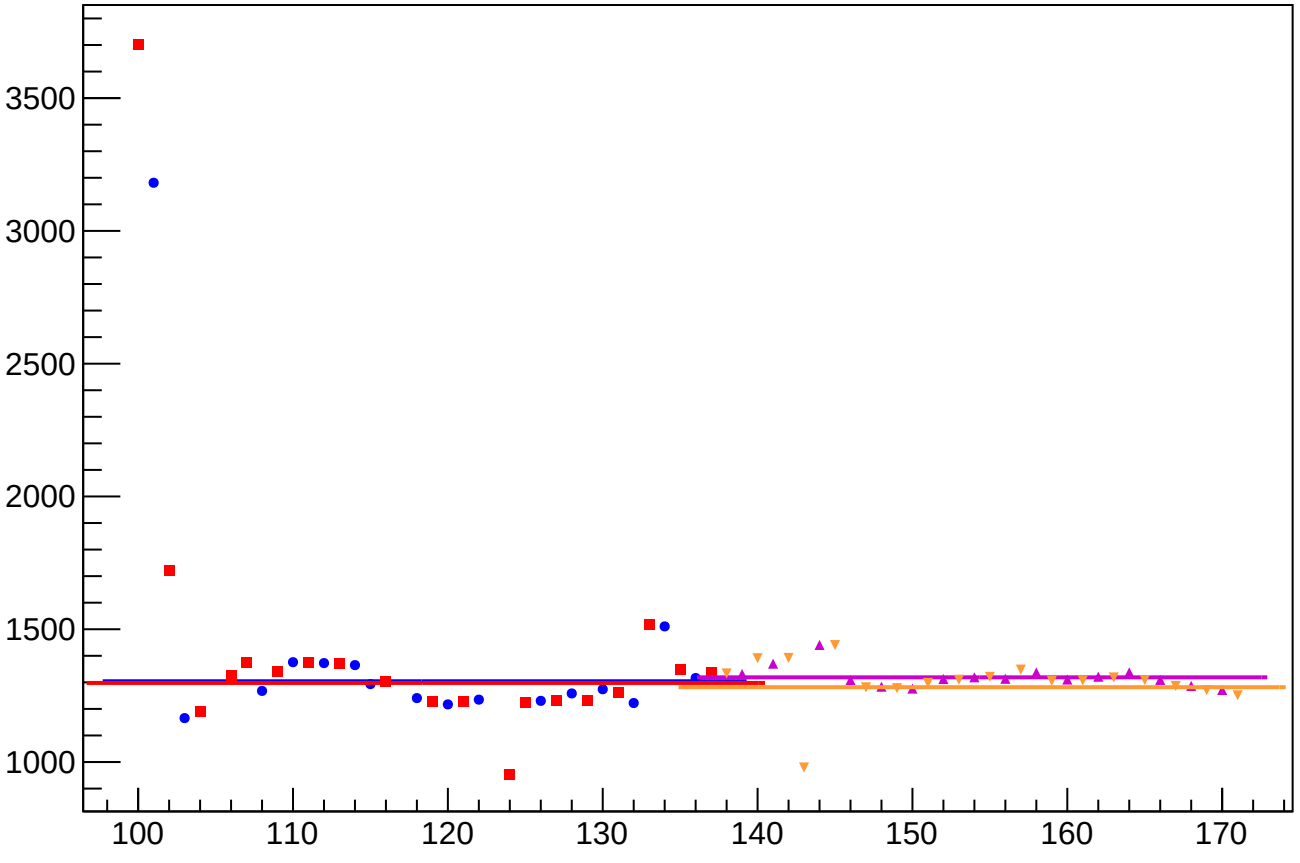
Left In: 653.590+/-362.908 χ^2/NDF:12.3/15

\+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.842+/-201.849 χ^2/NDF: 84.5/68

\- sign 458.266+/-290.687 χ^2/NDF: 28.0/34

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

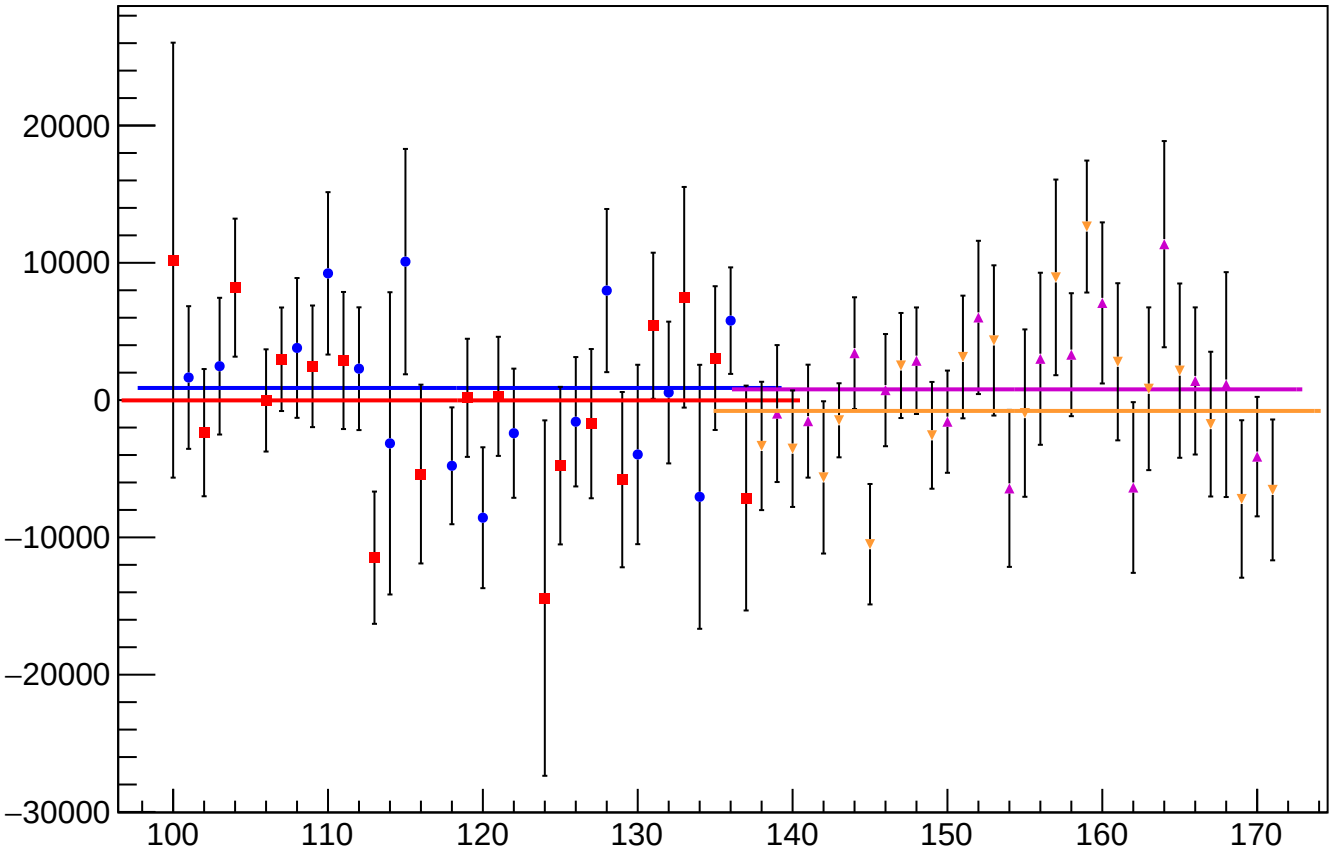
Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1318.907+/-0.257 χ^2/NDF:23031.0/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717631.8/33

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68

- sign 1311.333+/-0.205 χ^2/NDF: 238555.8/34



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -787.990+/-1104.859 χ^2/NDF:21.9/17

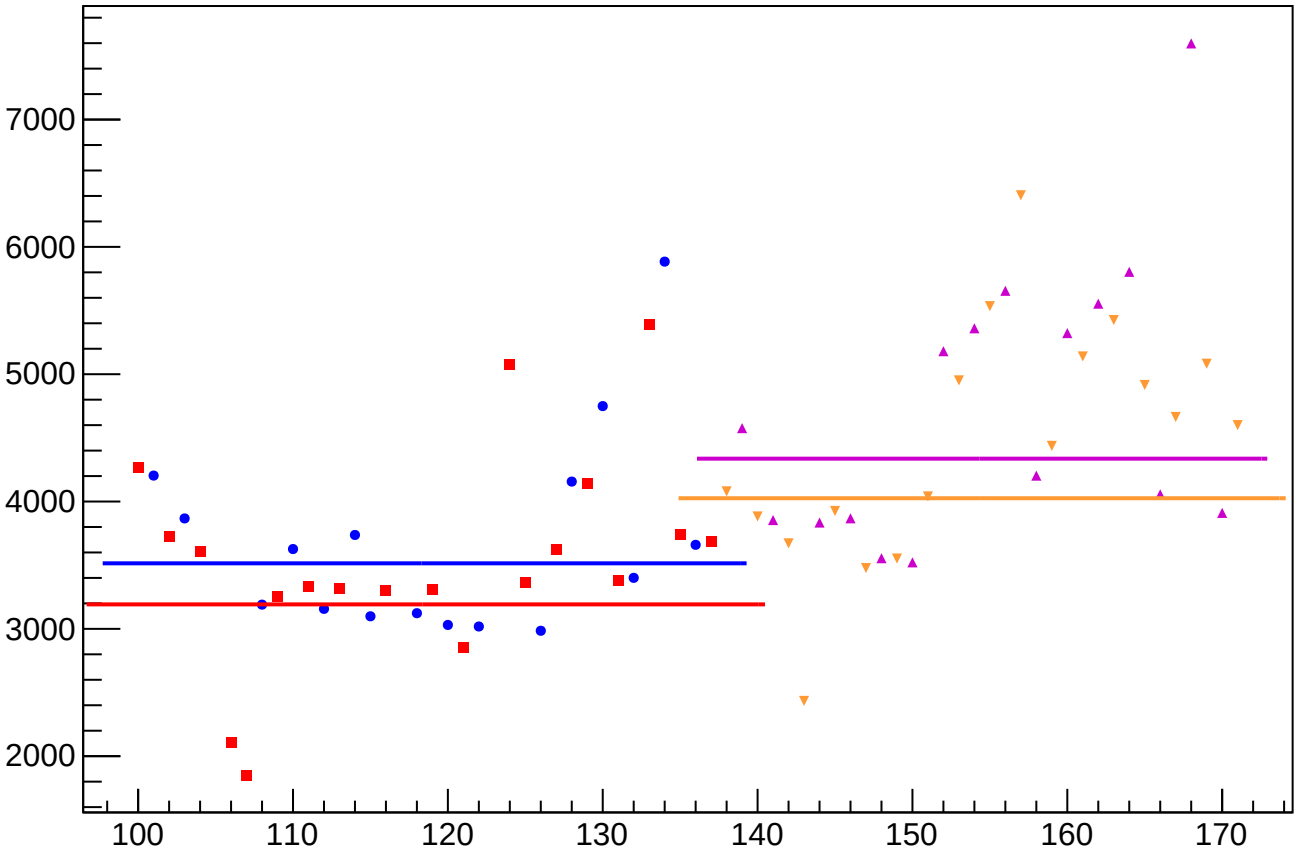
Right Out: -20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: 782.966+/-1220.471 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

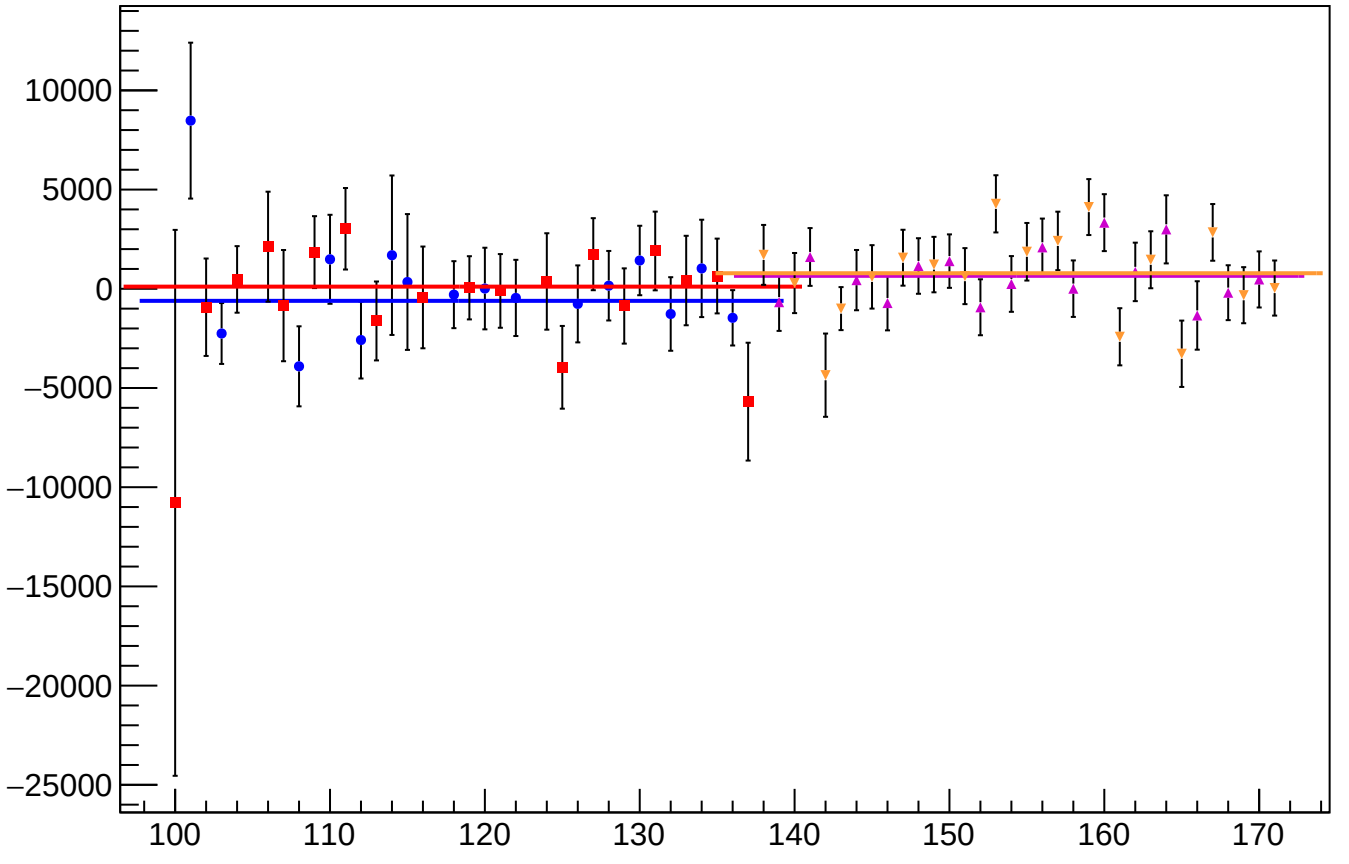
Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

\+ sign 3816.710+/-0.600 χ^2/NDF: 2095444.4/33

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68

\- sign 3754.775+/-0.605 χ^2/NDF: 2683878.8/34



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: 108.619+/-485.553 χ^2/NDF: 14.9/18

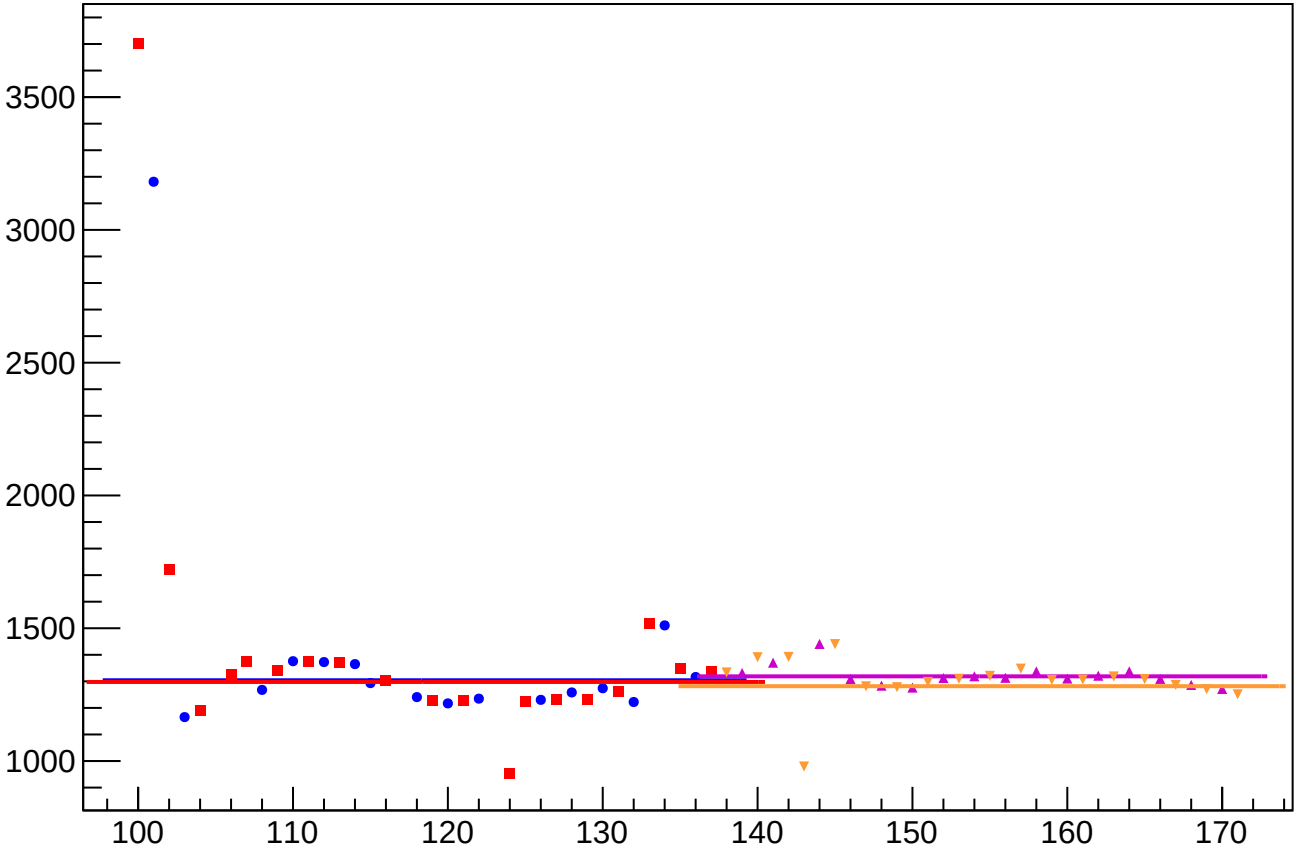
Left In: 653.591+/-362.908 χ^2/NDF:12.3/15

+ sign 335.786+/-280.500 χ^2/NDF: 56.4/33

All: 394.843+/-201.849 χ^2/NDF: 84.5/68

- sign 458.268+/-290.687 χ^2/NDF: 28.0/34

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: 1281.782+/-0.241 χ^2/NDF:204277.7/17

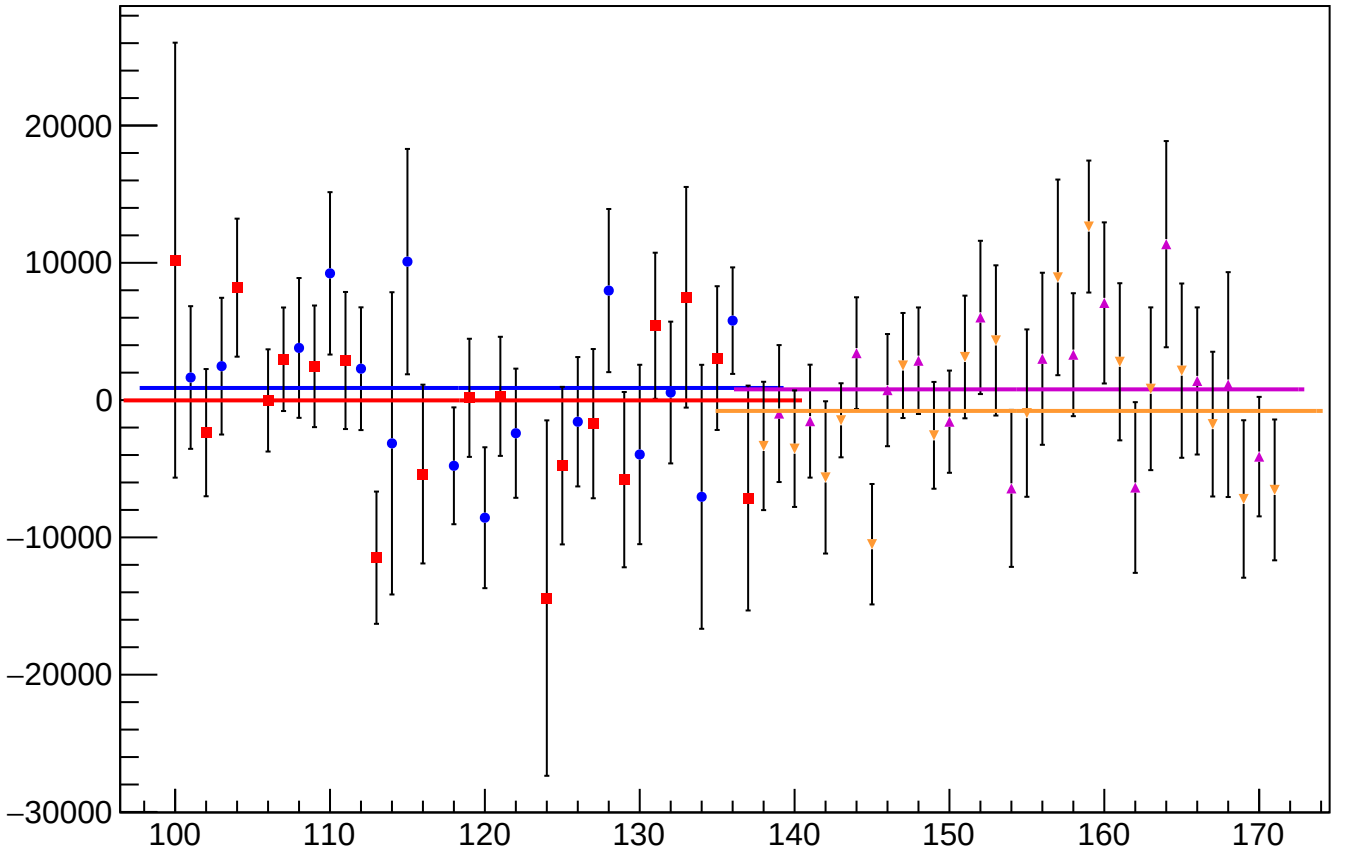
Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1318.908+/-0.257 χ^2/NDF:23031.2/15

+ sign 1288.973+/-0.198 χ^2/NDF: 717632.7/33

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68

- sign 1311.334+/-0.205 χ^2/NDF: 238556.4/34



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -787.988+/-1104.861 χ^2/NDF:21.9/17

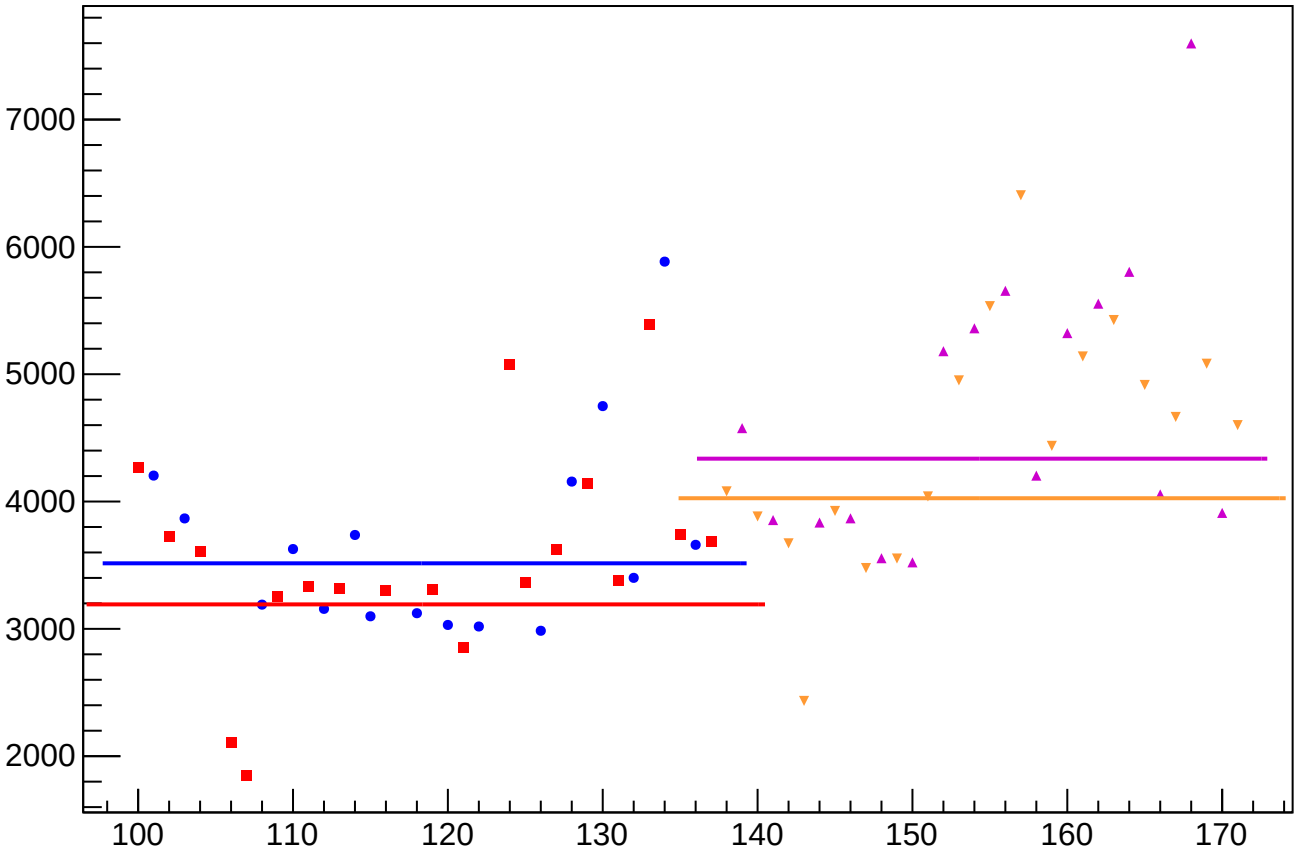
Right Out: -20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: 782.965+/-1220.473 χ^2/NDF:10.2/15

+ sign -103.680+/-849.187 χ^2/NDF: 37.0/33

All: 133.515+/-602.748 χ^2/NDF: 64.4/68

- sign 374.351+/-855.679 χ^2/NDF: 27.3/34



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

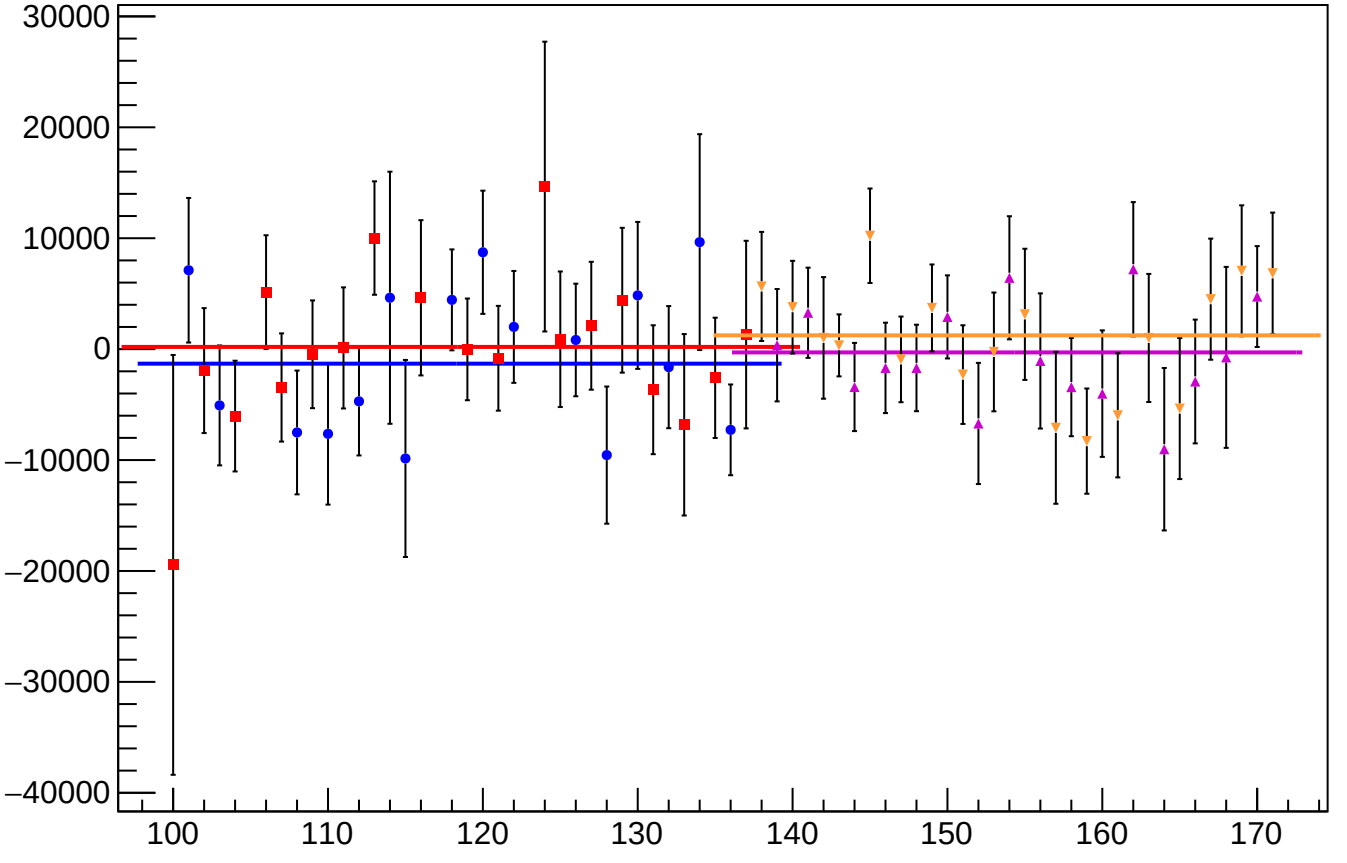
Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

+ sign 3816.709+/-0.600 χ^2/NDF: 2095460.5/33

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68

- sign 3754.771+/-0.605 χ^2/NDF: 2683905.5/34

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: 201.593+/-1336.062 χ^2/NDF: 11.6/18

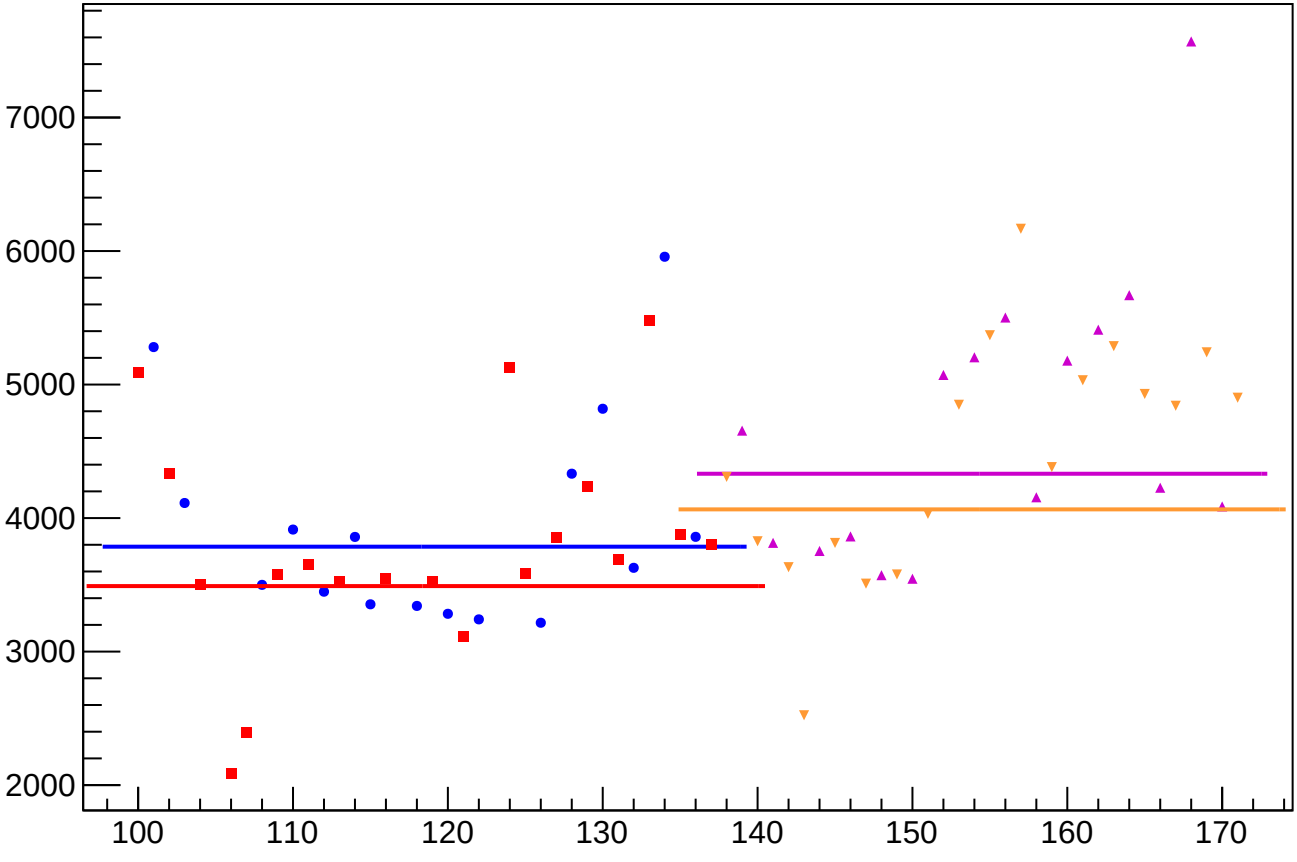
Left In: -295.262+/-1216.245 χ^2/NDF:10.6/15

+ sign 283.601+/-877.958 χ^2/NDF: 37.4/33

All: 111.013+/-628.253 χ^2/NDF: 59.8/68

- sign -70.108+/-899.398 χ^2/NDF: 22.3/34

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

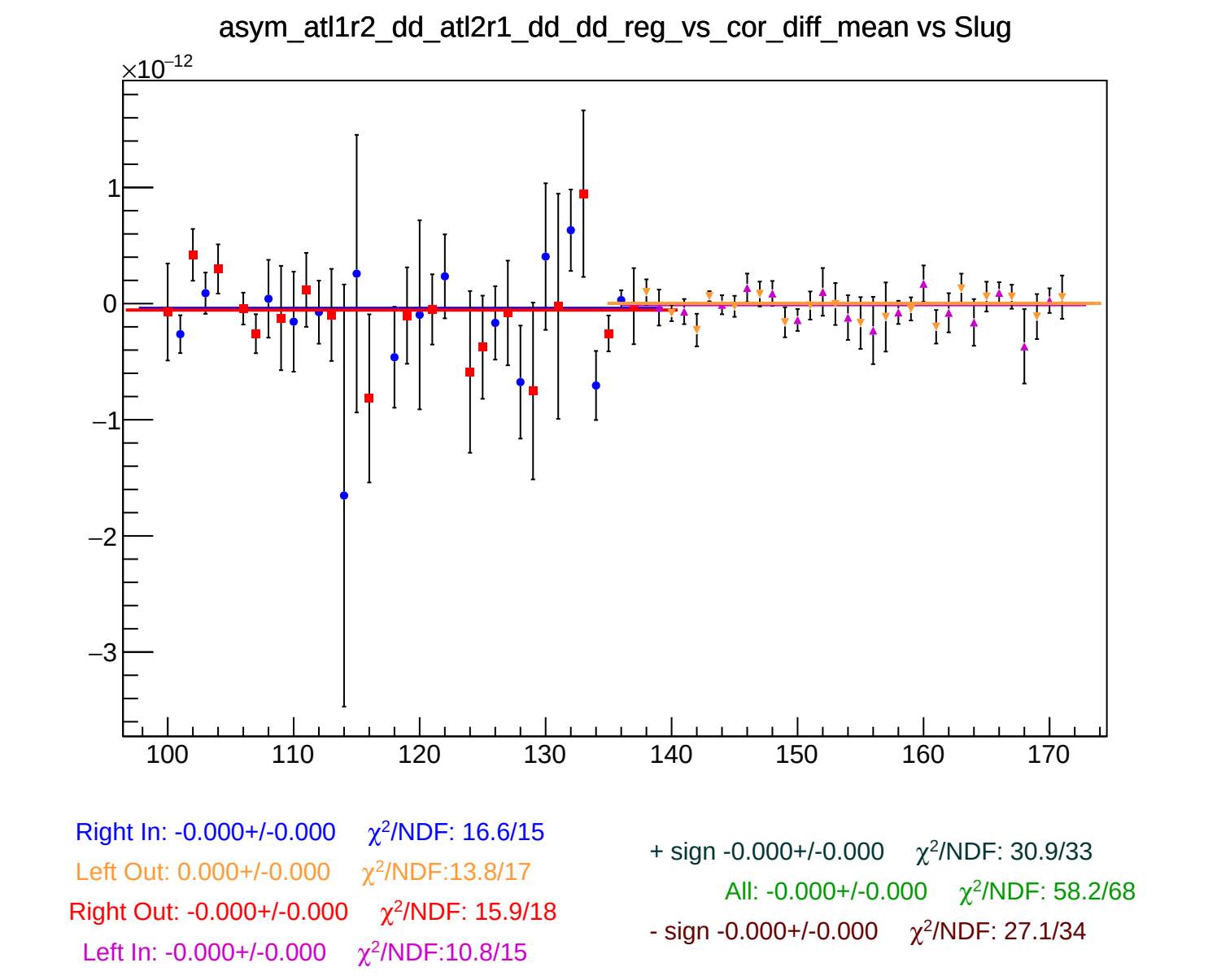
Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

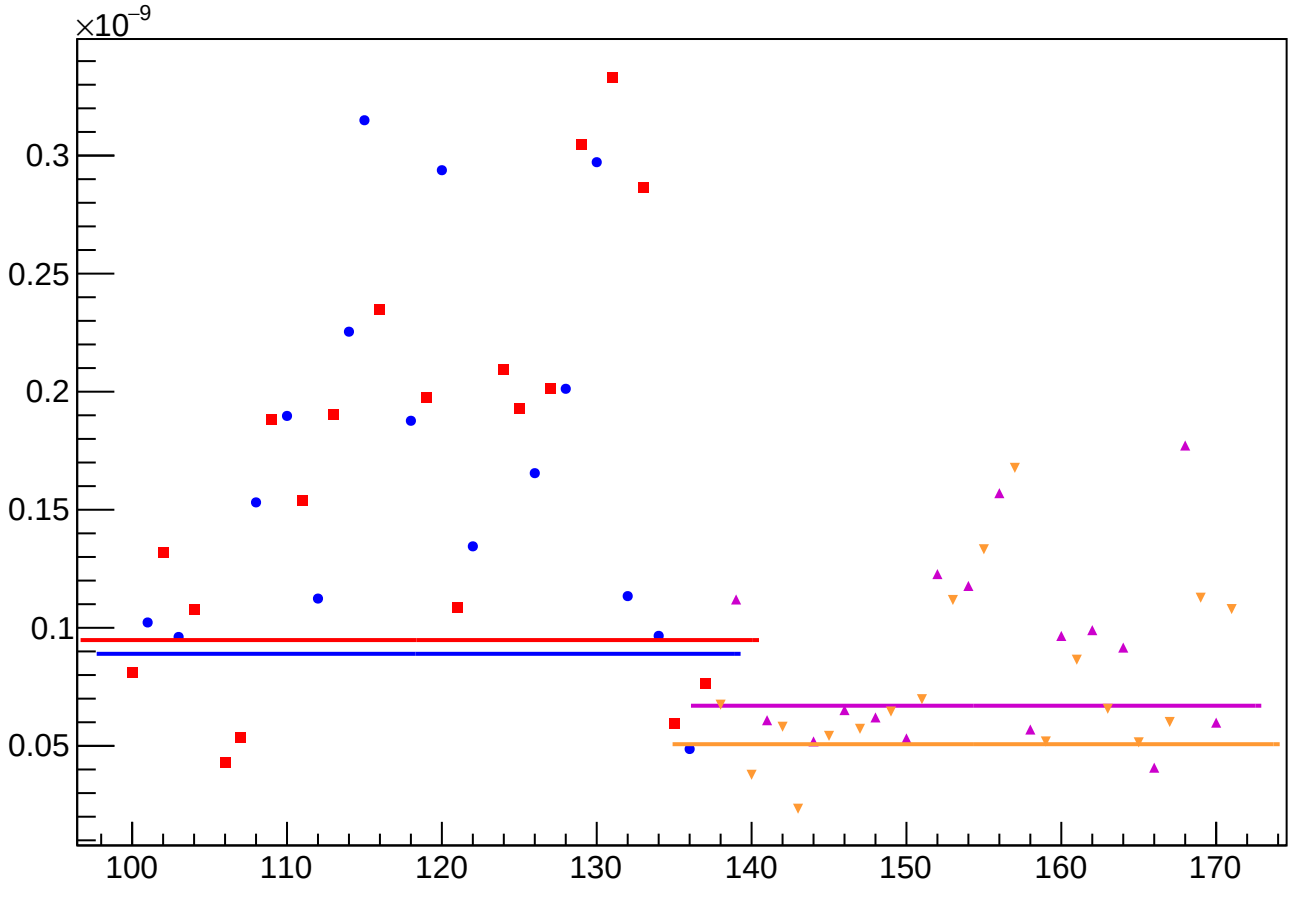
Left In: 4332.000+/-0.860 χ^2/NDF:932259.8/15

+ sign 3960.082+/-0.621 χ^2/NDF: 1832961.4/33

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68

- sign 3944.988+/-0.632 χ^2/NDF: 1959234.4/34


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
170
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/15
+ sign -0.000+/-0.000 χ²/NDF: 30.9/33
All: -0.000+/-0.000 χ²/NDF: 58.2/68
- sign -0.000+/-0.000 χ²/NDF: 27.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

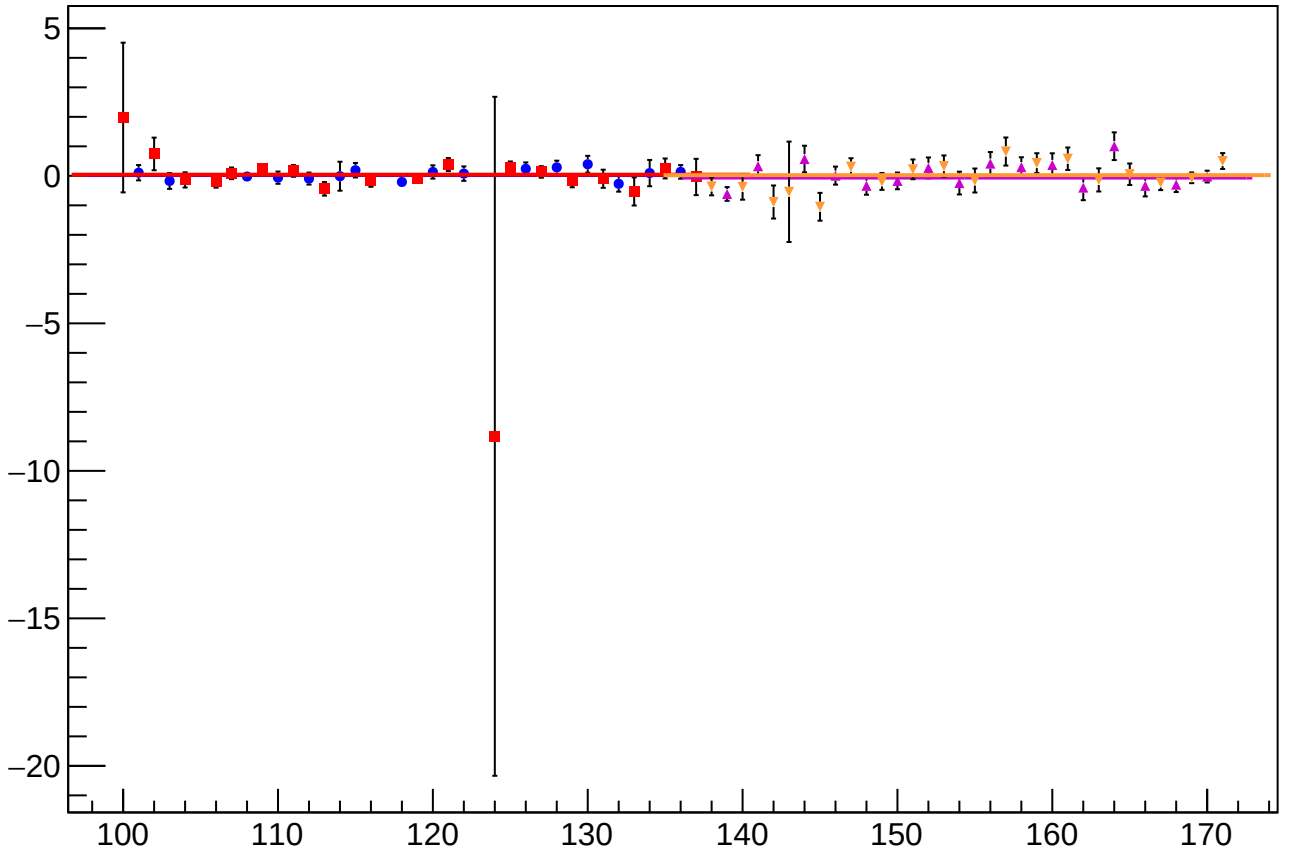
Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1374533.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF: 8337906.2/68

- sign 0.000+/-0.000 χ^2/NDF: 3414108.5/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

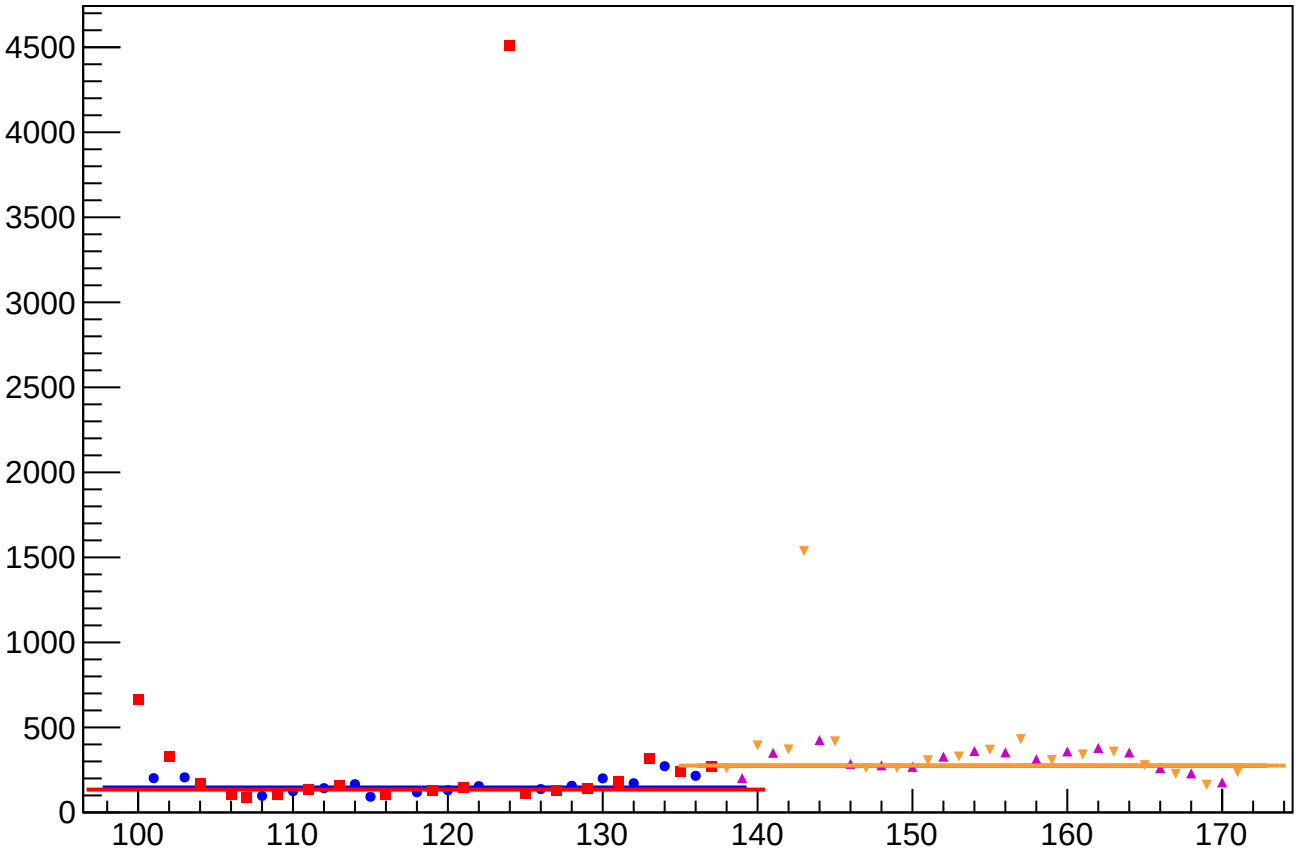
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF:2935721.4/17

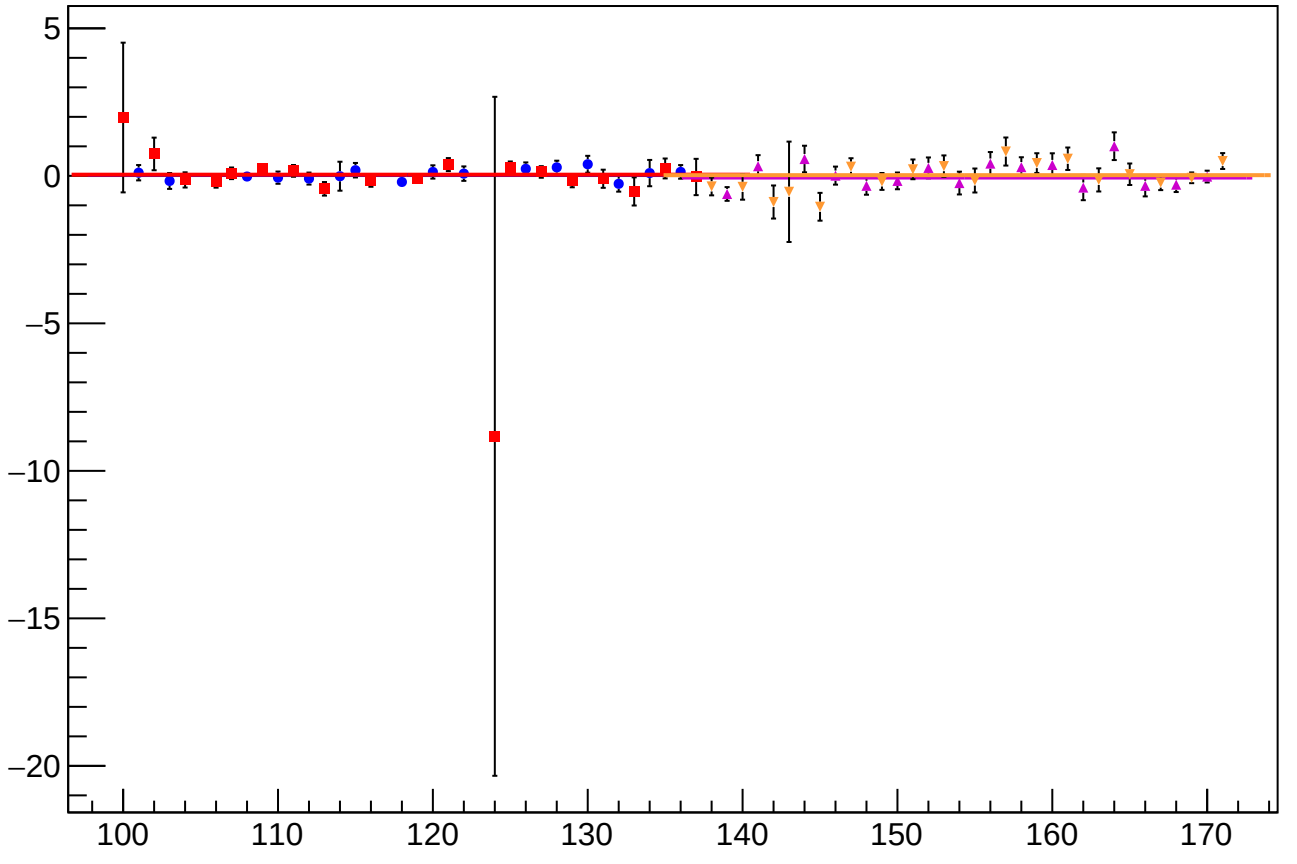
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

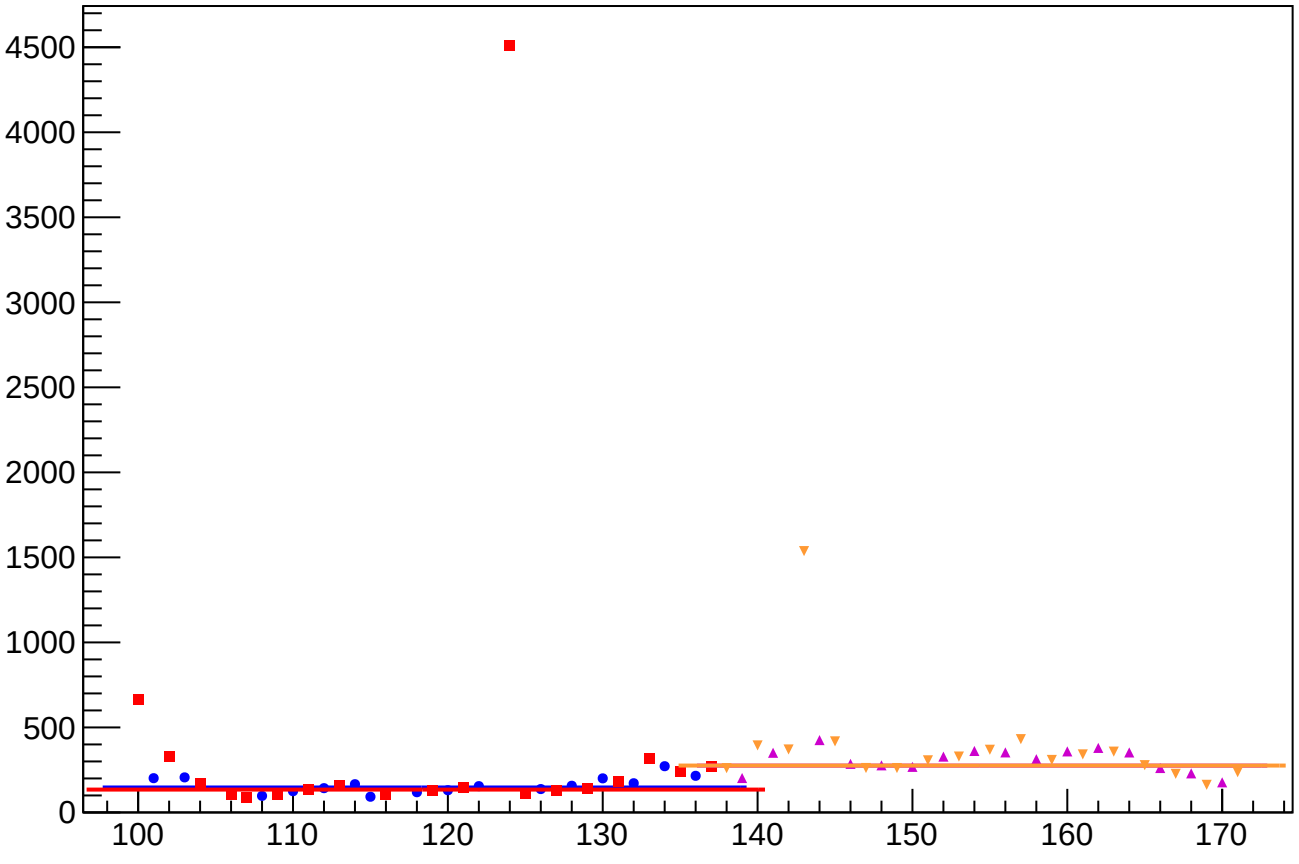
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF:2935721.4/17

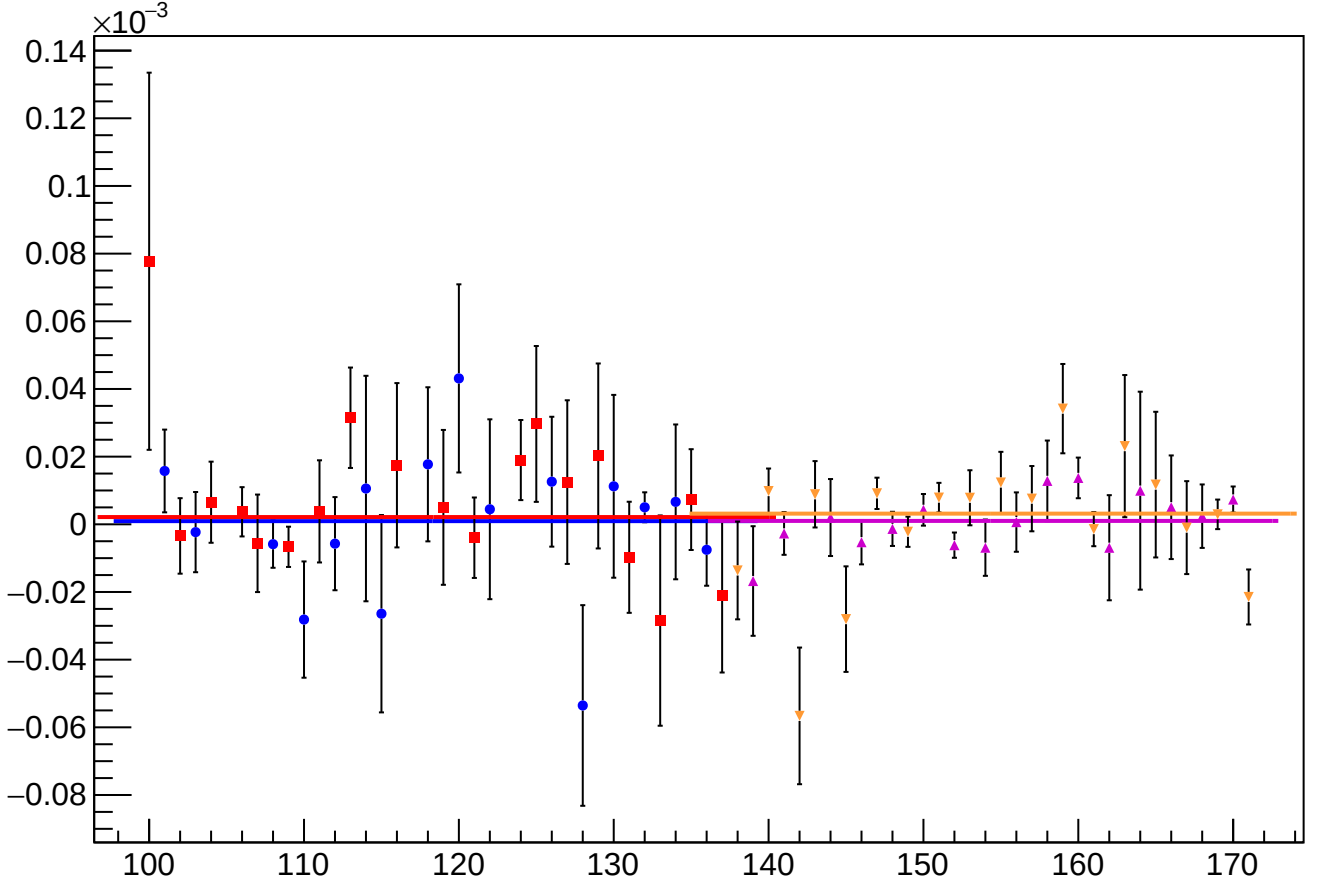
Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 275.313+/-0.056 χ^2/NDF:1567652.8/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473192.6/33

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

- sign 180.124+/-0.032 χ^2/NDF: 7455426.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/17

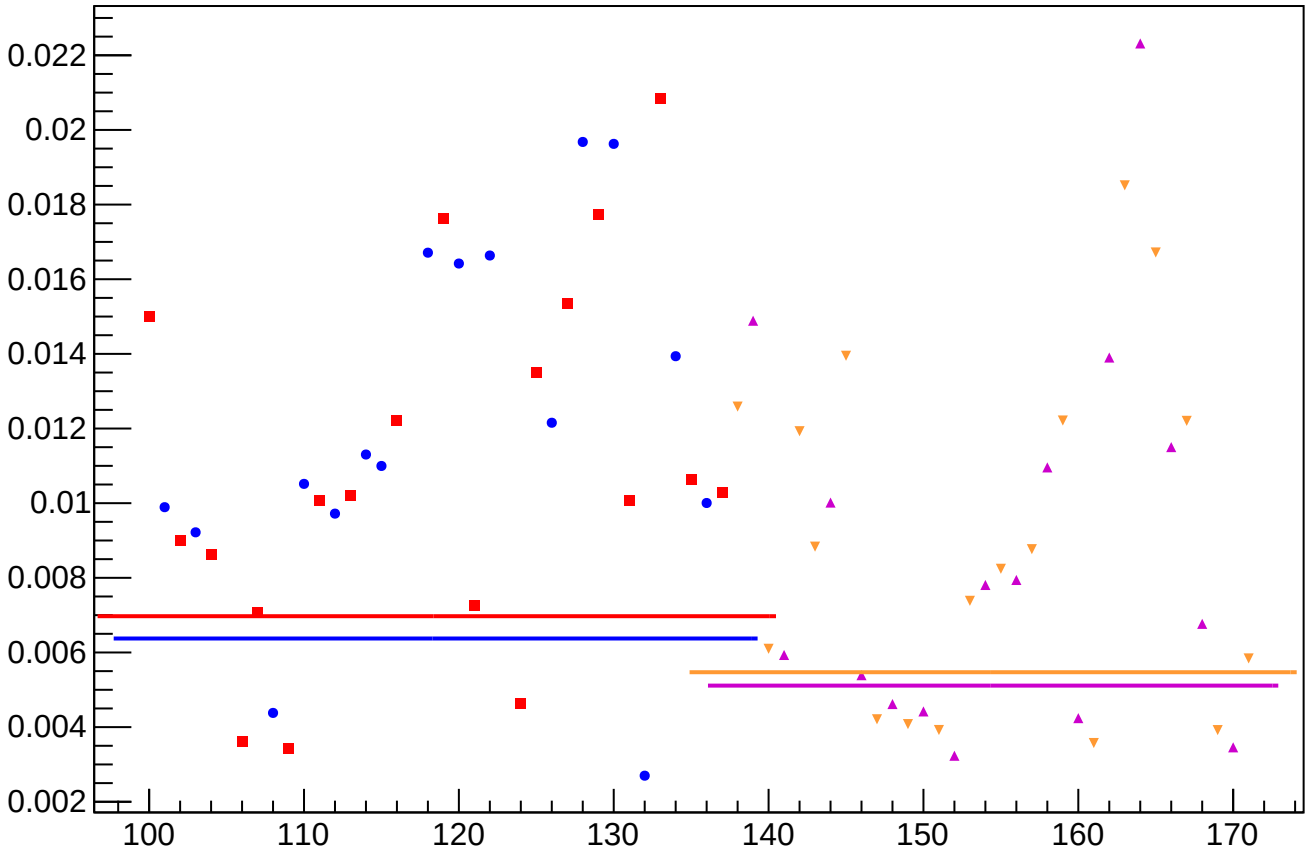
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/33

All: 0.000+/-0.000 χ^2/NDF: 86.2/68

- sign 0.000+/-0.000 χ^2/NDF: 32.5/34



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

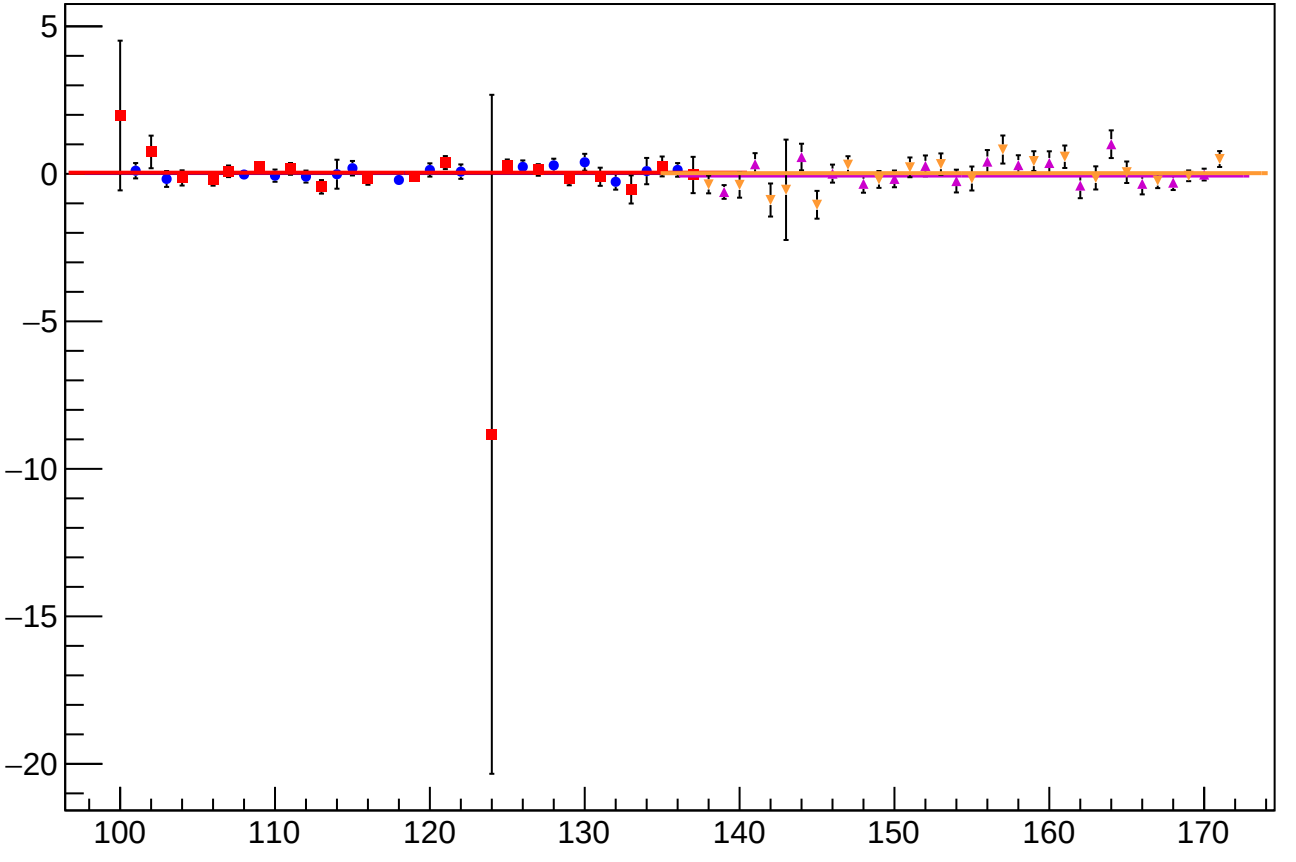
Left In: 0.005+/-0.000 χ^2/NDF:4760884.8/15

+ sign 0.006+/-0.000 χ^2/NDF: 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

- sign 0.006+/-0.000 χ^2/NDF: 8756586.9/34

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

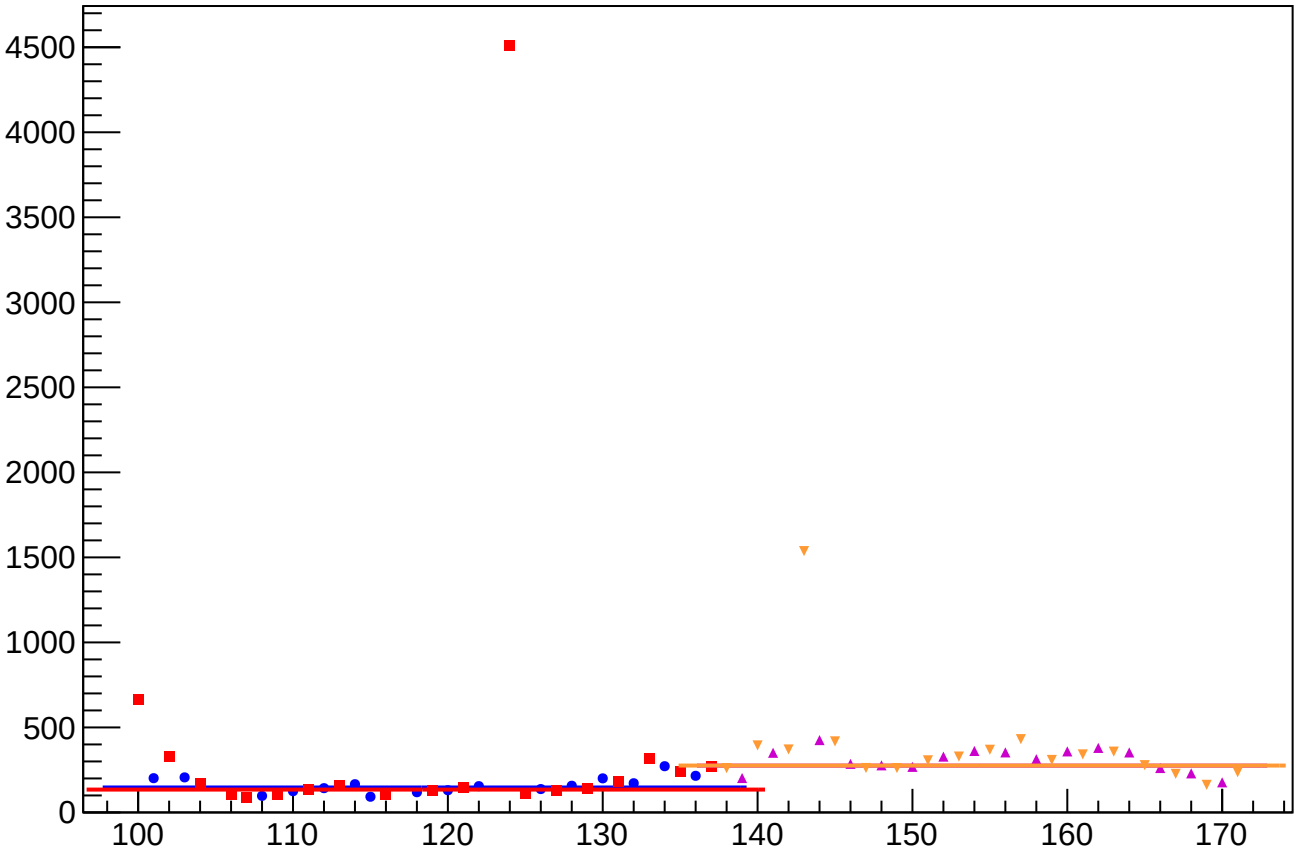
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF:2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

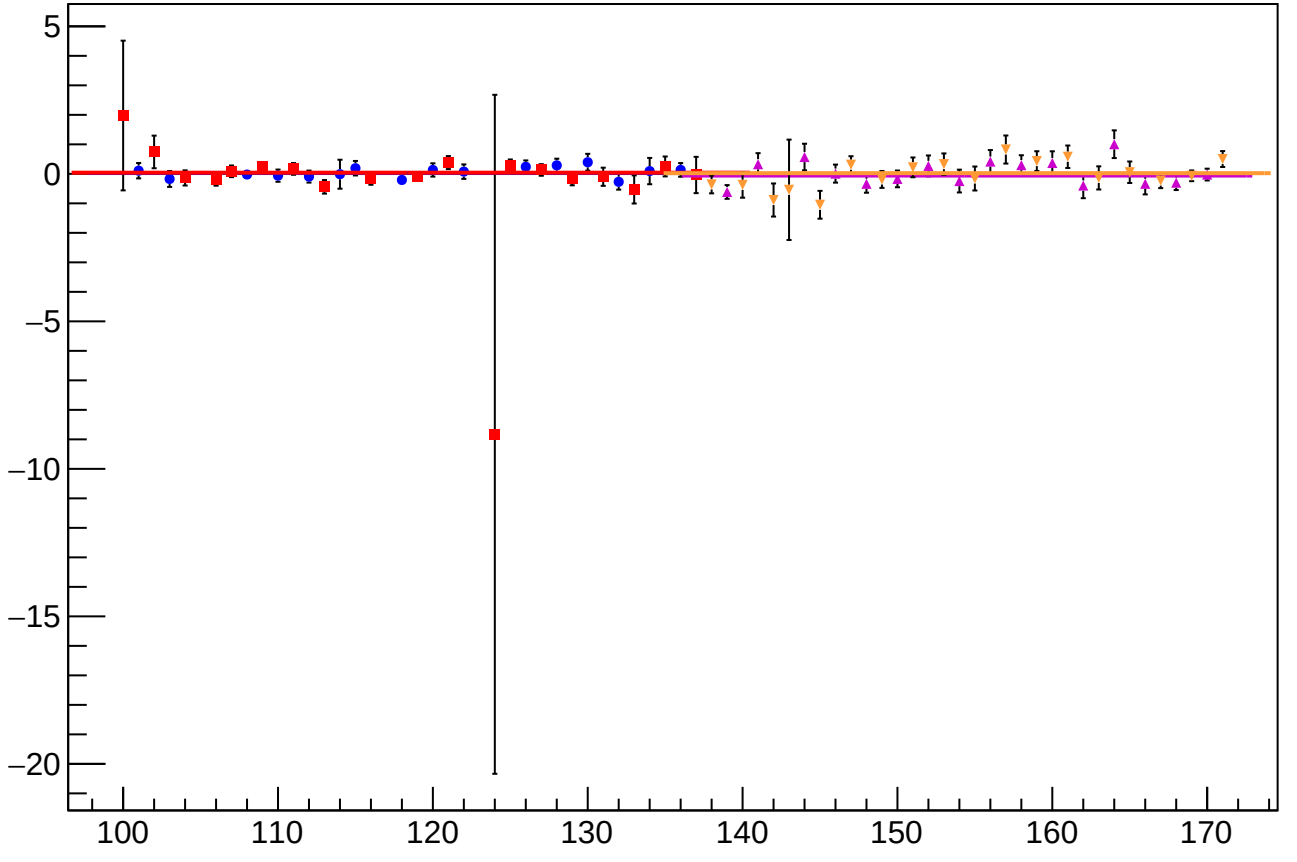
Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473290.6/33

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

- sign 180.126+/-0.032 χ^2/NDF: 7455416.9/34

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

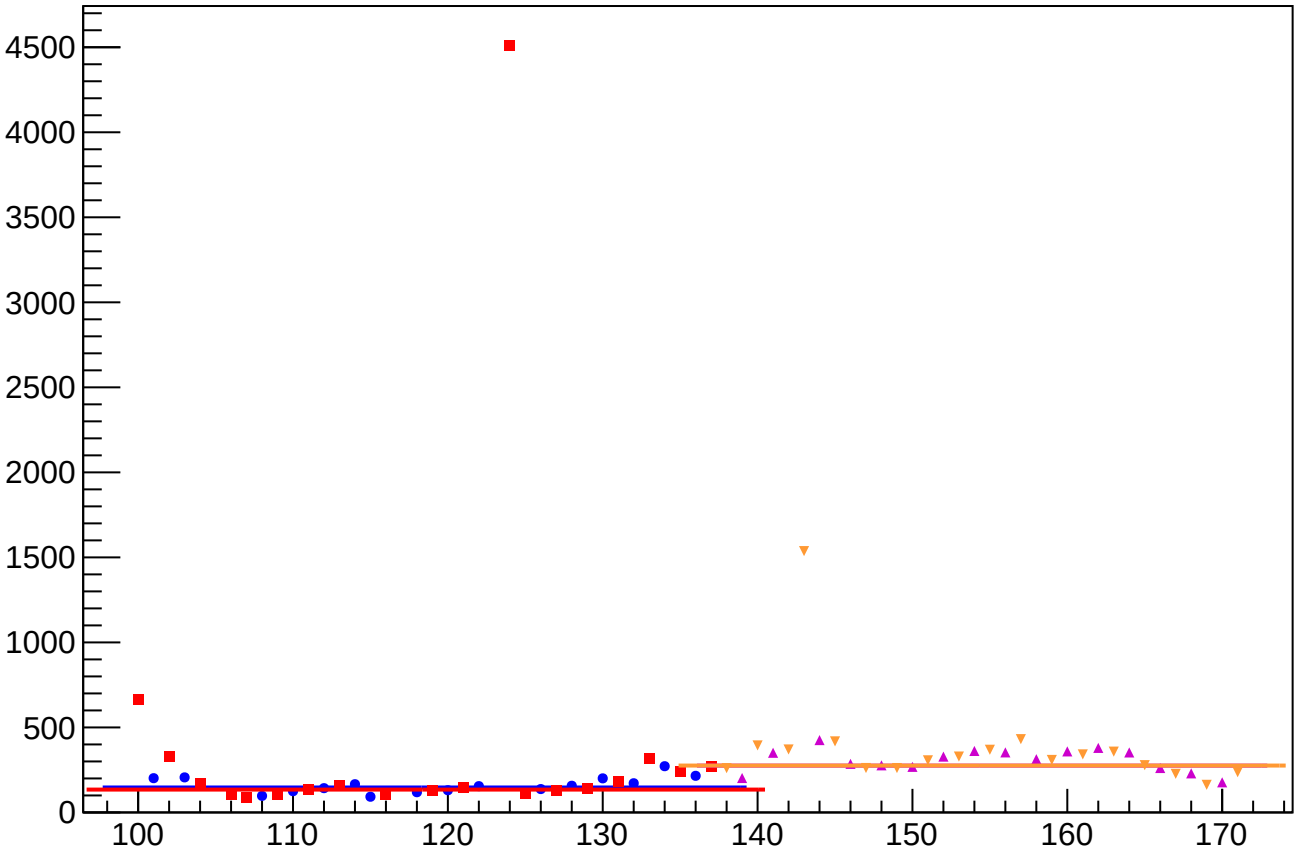
Right Out: 0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: -0.058+/-0.079 χ^2/NDF:21.9/15

+ sign 0.026+/-0.046 χ^2/NDF: 33.6/33

All: 0.017+/-0.032 χ^2/NDF: 76.6/68

- sign 0.008+/-0.045 χ^2/NDF: 42.9/34



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF:2935825.9/17

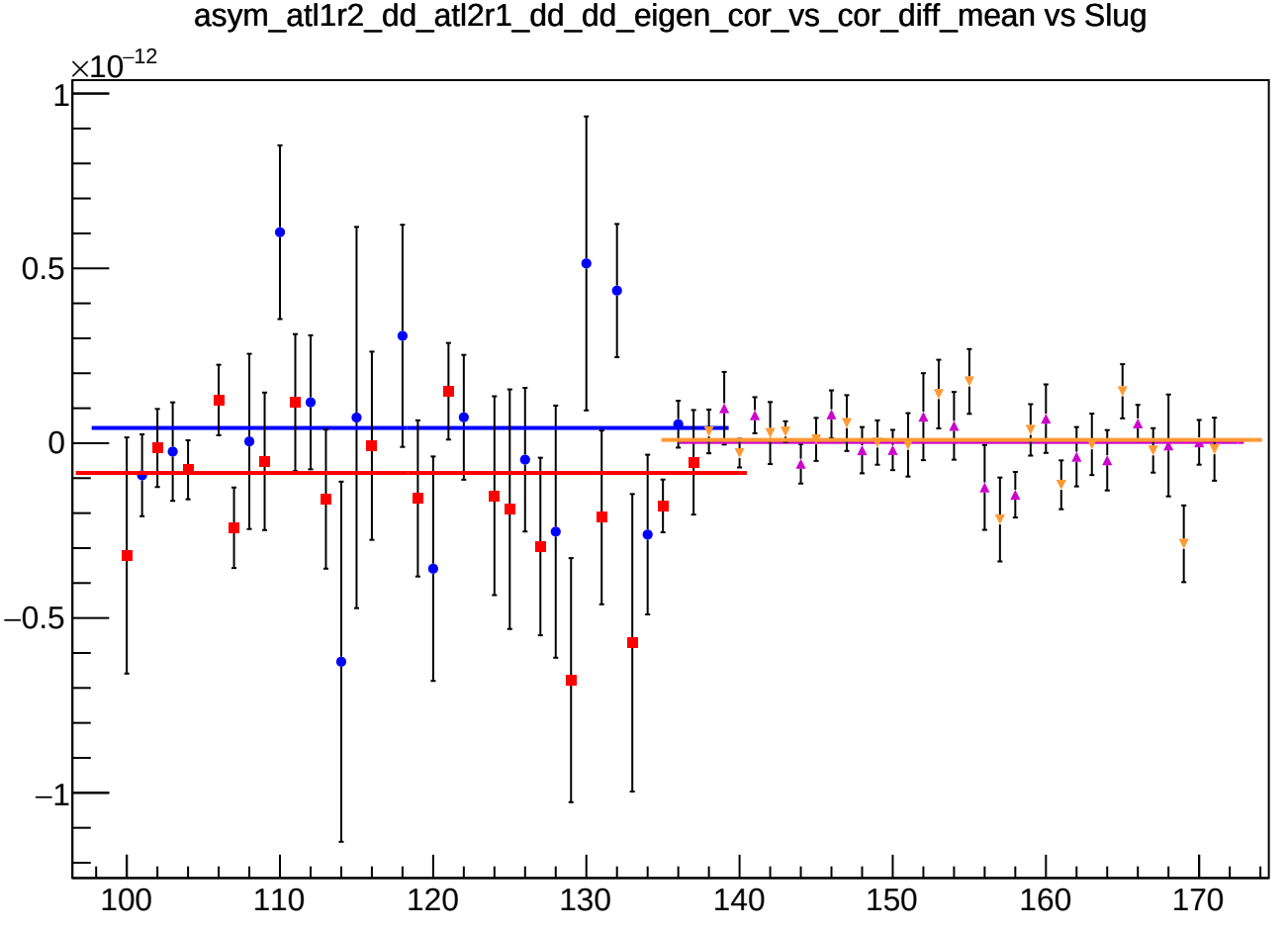
Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 275.317+/-0.056 χ^2/NDF:1567670.2/15

+ sign 192.506+/-0.033 χ^2/NDF: 7473290.6/33

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

- sign 180.126+/-0.032 χ^2/NDF: 7455416.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

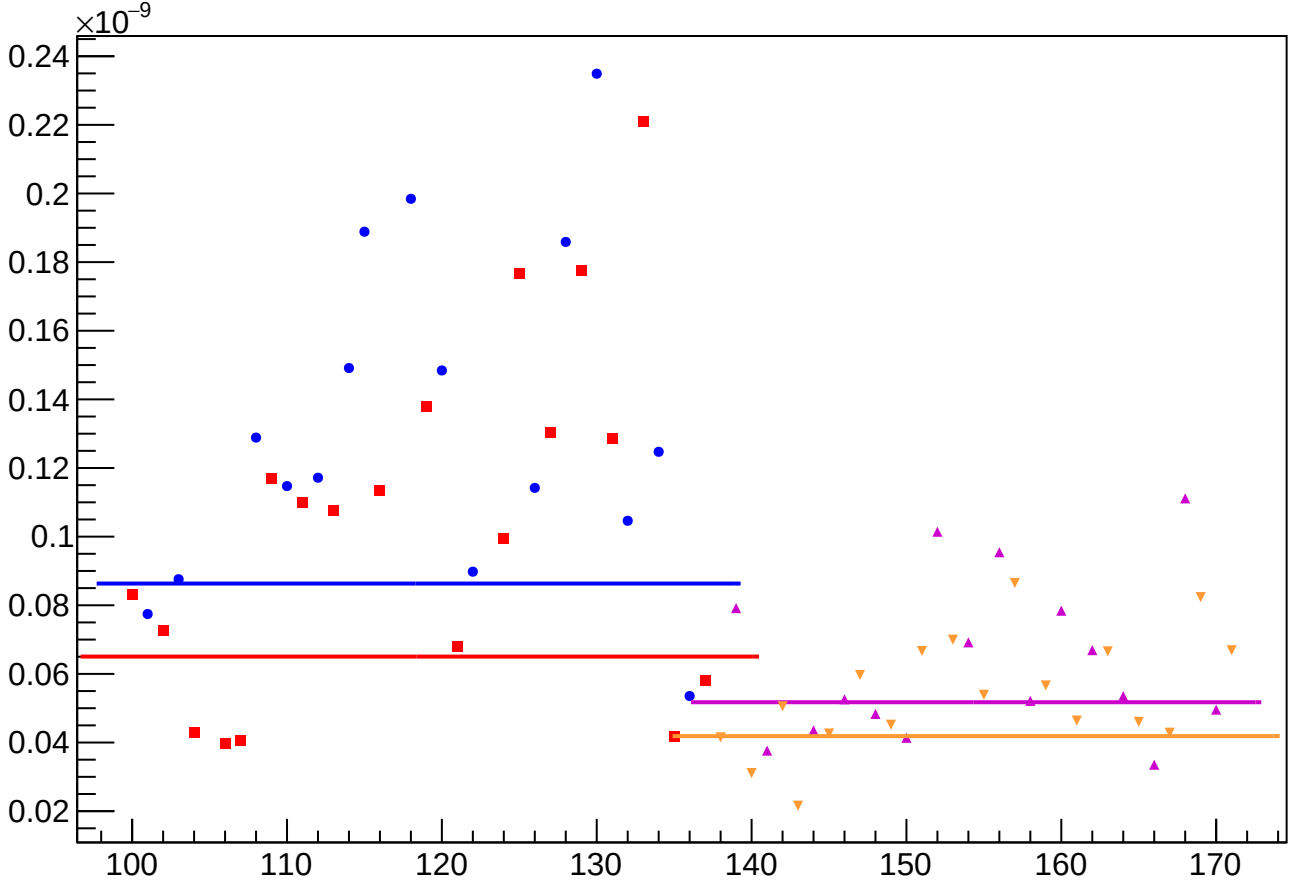
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/33

All: 0.000+/-0.000 χ^2/NDF: 85.1/68

- sign -0.000+/-0.000 χ^2/NDF: 38.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

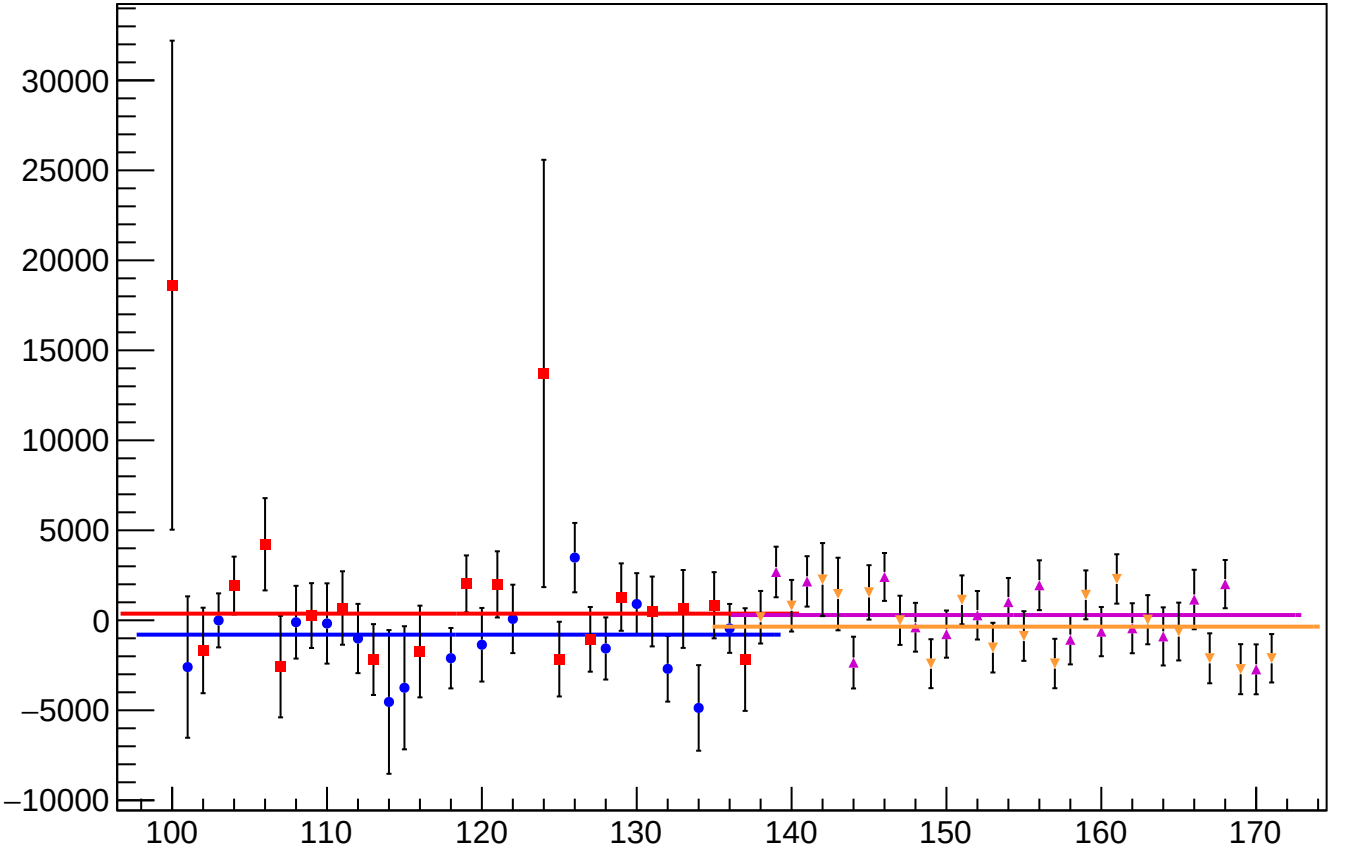
Left In: 0.000+/-0.000 χ^2/NDF:1829490.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4224126.8/34

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -353.302+/-339.646 χ^2/NDF:23.2/17

Right Out: 370.010+/-485.826 χ^2/NDF: 15.6/18

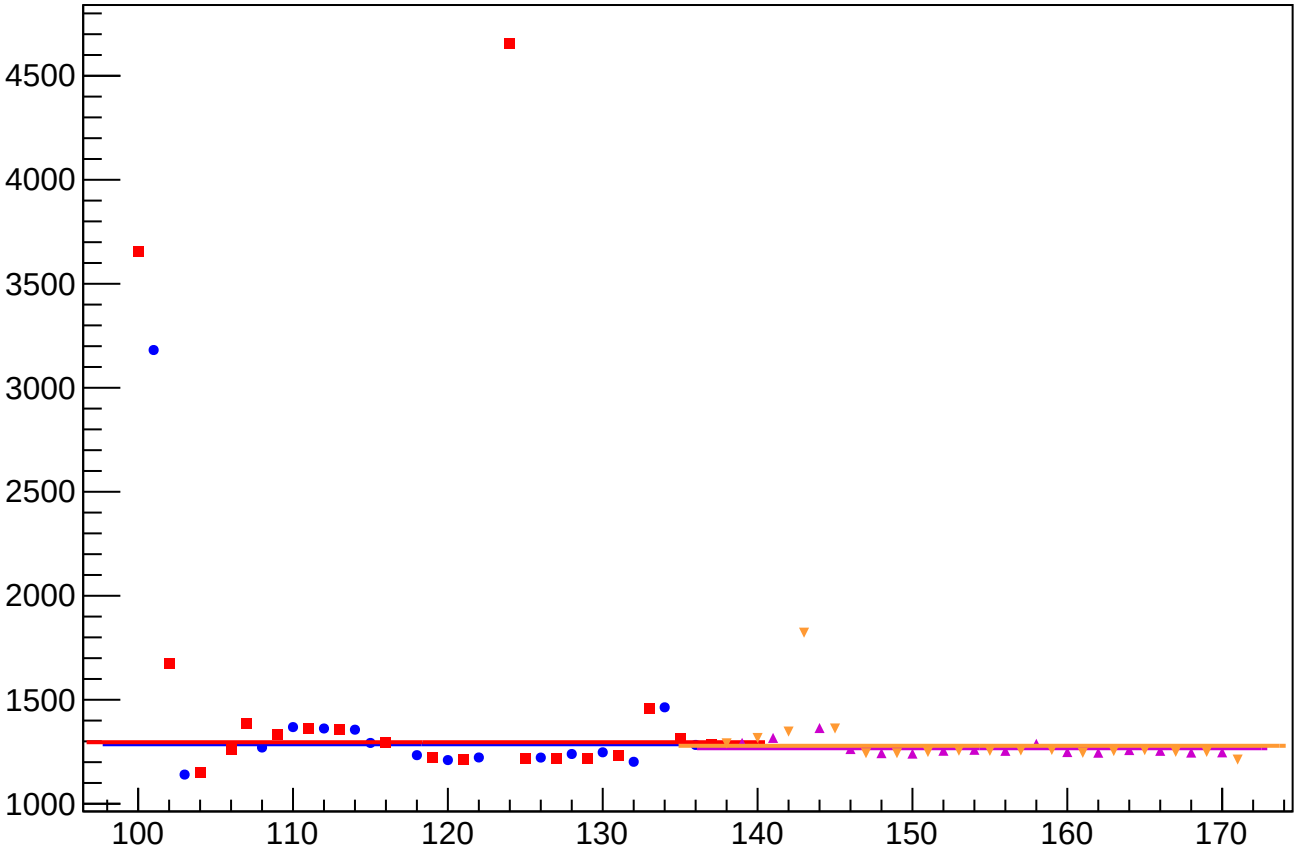
Left In: 292.459+/-348.528 χ^2/NDF:22.1/15

+ sign -498.406+/-278.670 χ^2/NDF: 37.2/33

All: -96.375+/-198.629 χ^2/NDF: 79.2/68

- sign 318.810+/-283.192 χ^2/NDF: 37.8/34

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

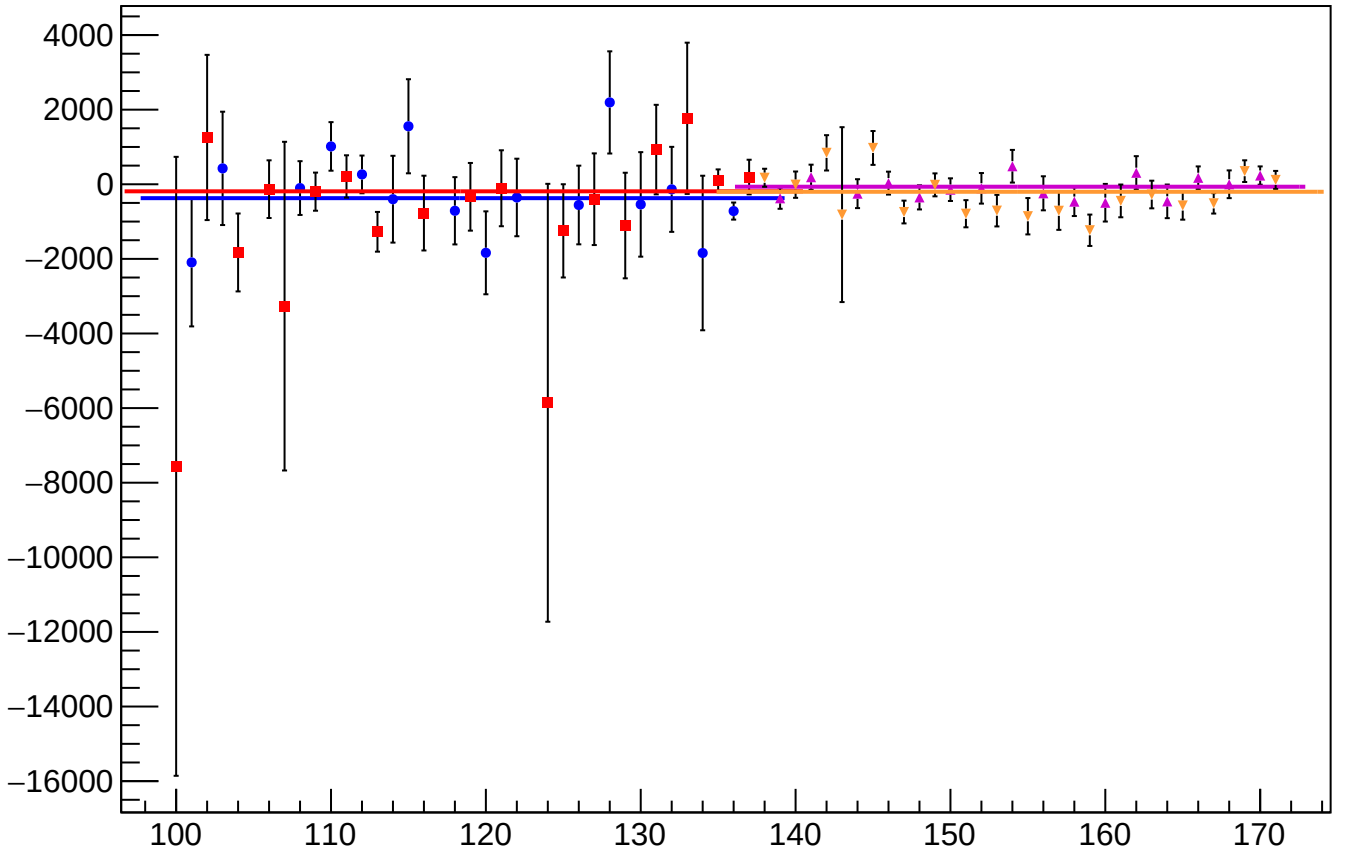
Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688441.1/33

All: 1278.990+/-0.140 χ^2/NDF: 1037982.6/68

- sign 1276.770+/-0.200 χ^2/NDF: 349299.5/34



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -201.069+/-83.193 χ^2/NDF:38.7/17

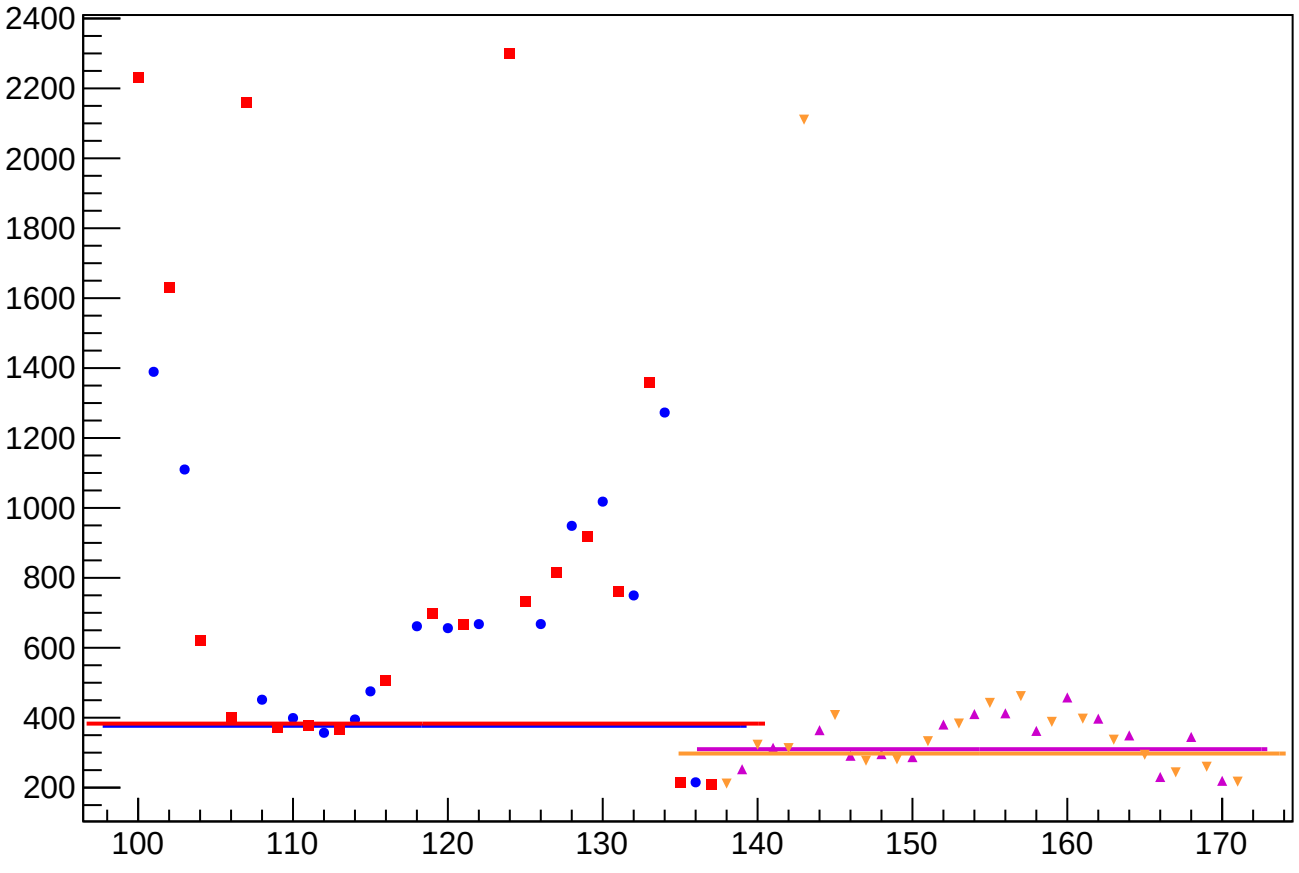
Right Out: -188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: -65.682+/-87.584 χ^2/NDF:10.1/15

+ sign -234.729+/-74.570 χ^2/NDF: 57.6/33

All: -166.232+/-53.841 χ^2/NDF: 84.6/68

- sign -91.639+/-77.818 χ^2/NDF: 25.2/34



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 297.487+/-0.059 χ^2/NDF:2630093.9/17

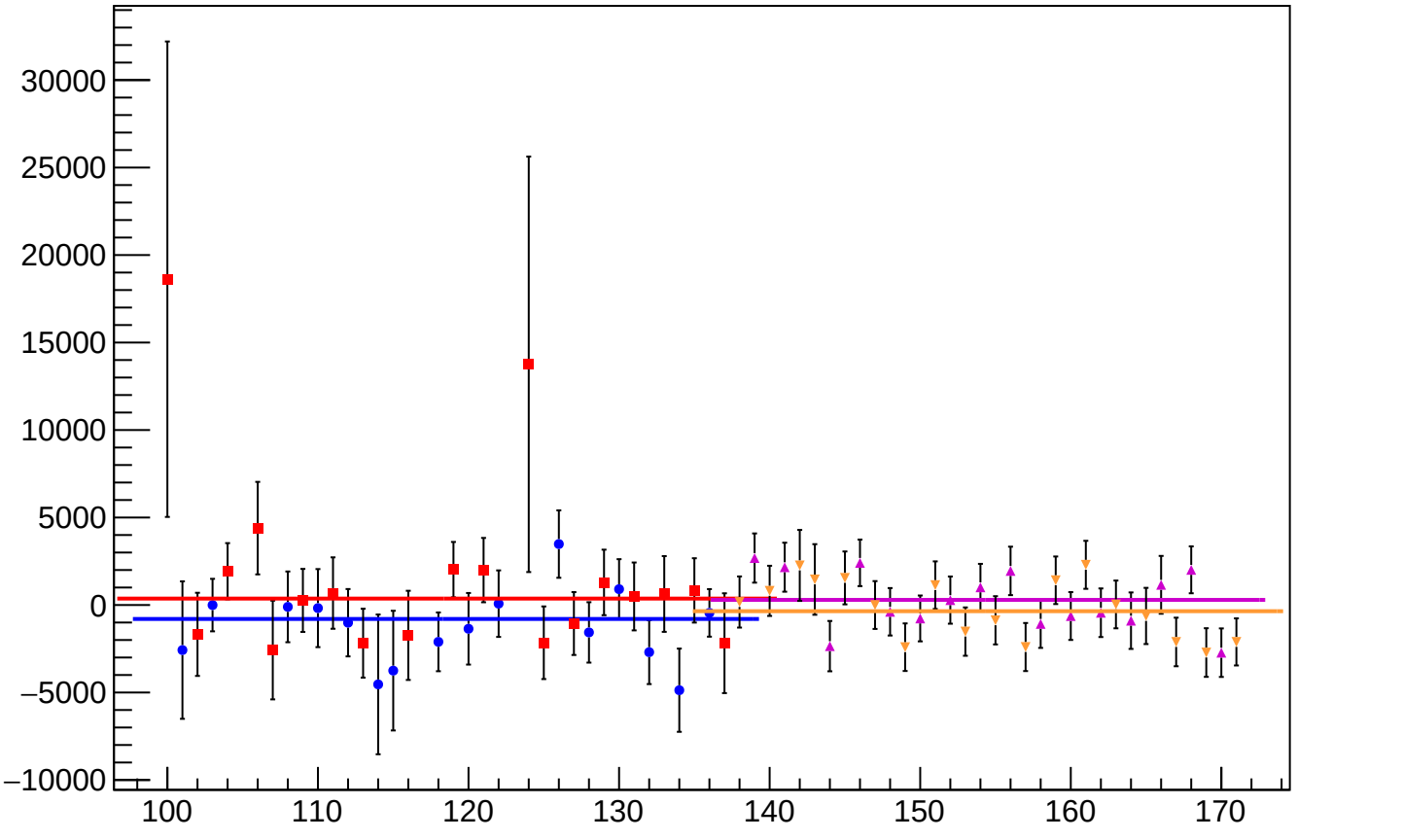
Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 309.914+/-0.062 χ^2/NDF:1138157.2/15

+ sign 313.094+/-0.053 χ^2/NDF: 7178401.1/33

All: 318.947+/-0.038 χ^2/NDF: 12690288.4/68

- sign 325.320+/-0.055 χ^2/NDF: 5486150.9/34



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

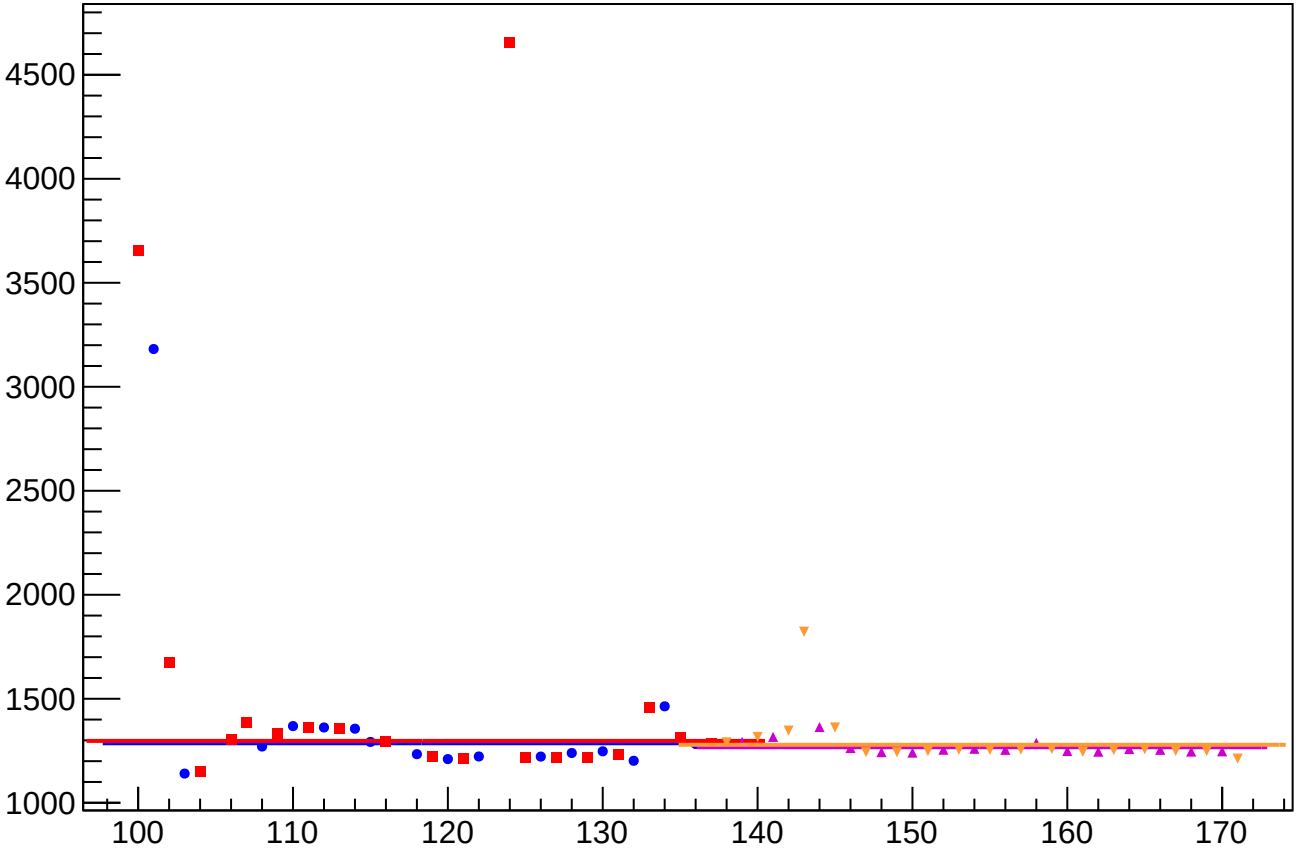
Left In: 292.412+/-348.528 χ^2/NDF:22.1/15

+ sign -498.230+/-278.670 χ^2/NDF: 37.2/33

All: -96.891+/-198.665 χ^2/NDF: 79.2/68

- sign 317.881+/-283.295 χ^2/NDF: 37.8/34

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

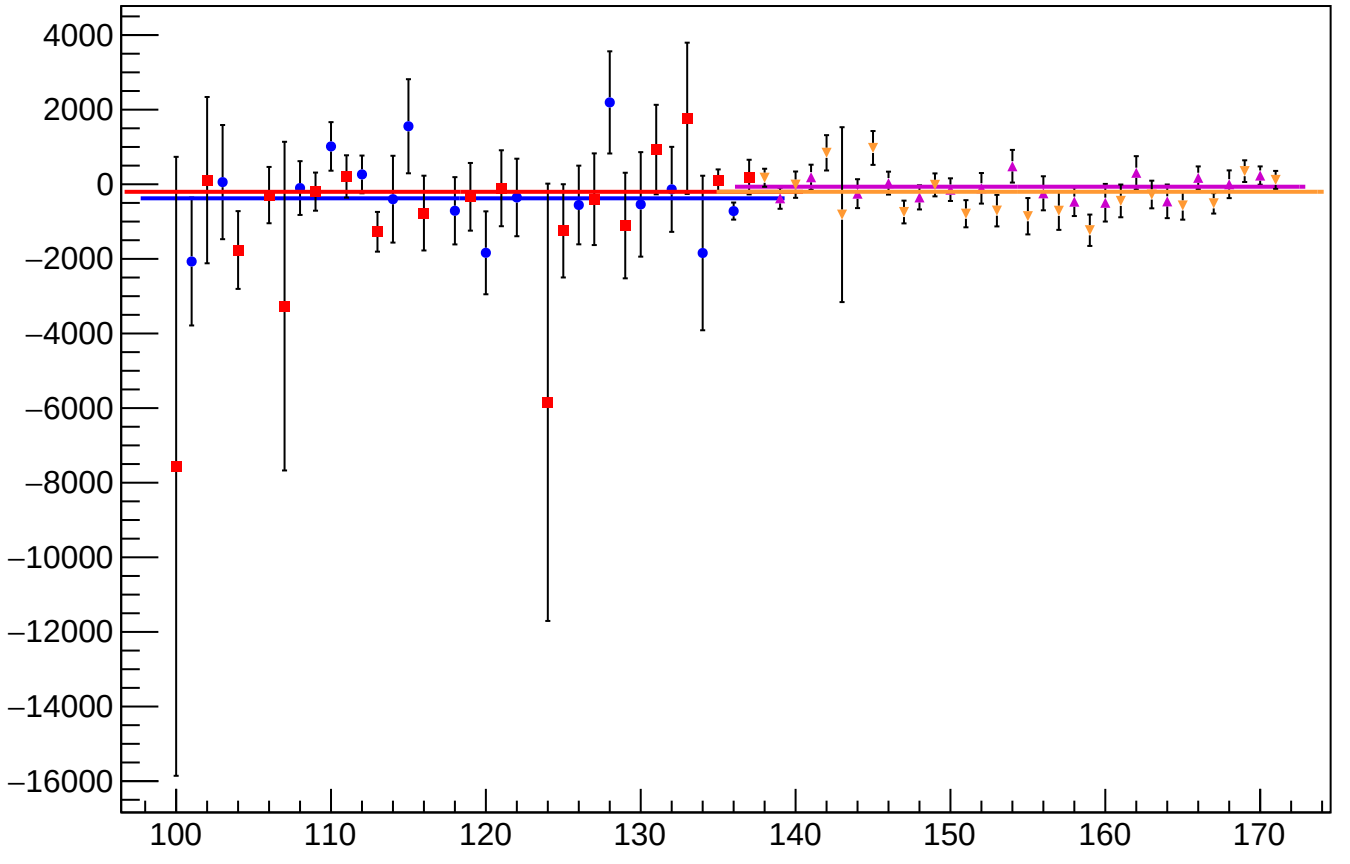
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688442.5/33

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

- sign 1277.248+/-0.200 χ^2/NDF: 349447.2/34



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -201.059+/-83.195 χ^2/NDF:38.6/17

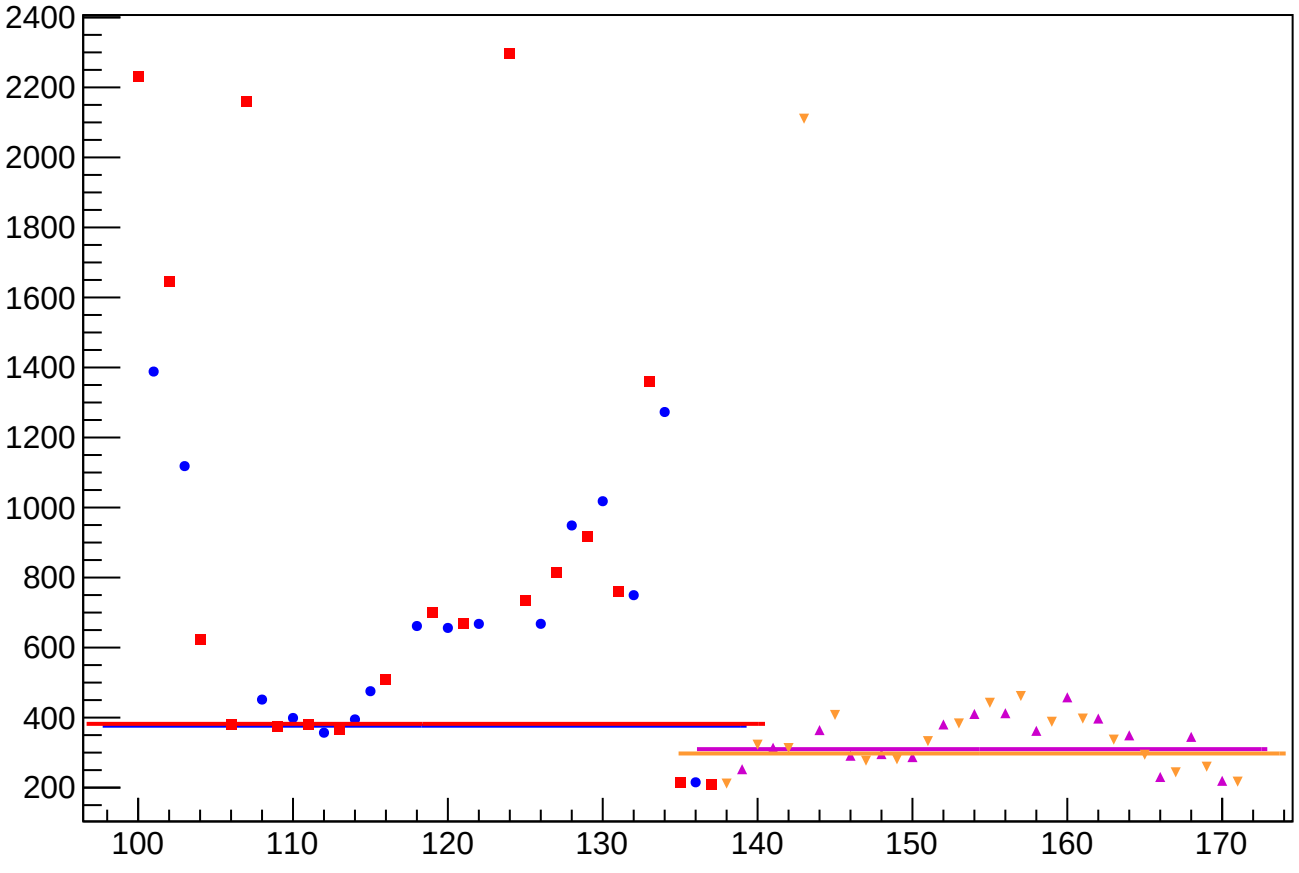
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -65.696+/-87.584 χ^2/NDF:10.1/15

+ sign -235.589+/-74.573 χ^2/NDF: 57.5/33

All: -168.022+/-53.835 χ^2/NDF: 83.8/68

- sign -94.483+/-77.799 χ^2/NDF: 24.7/34



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

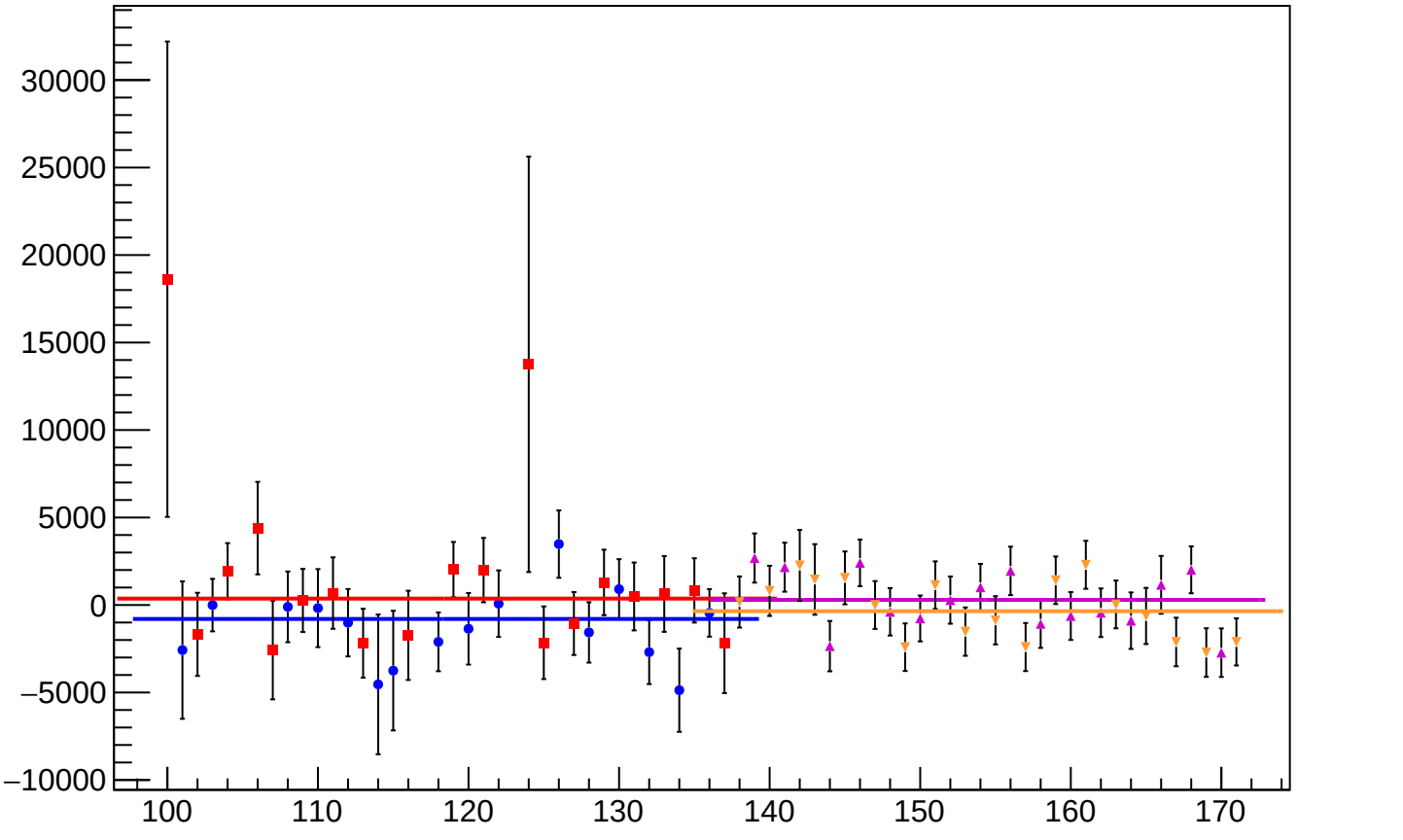
Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

+ sign 313.097+/-0.053 χ^2/NDF: 7181151.4/33

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68

- sign 325.151+/-0.055 χ^2/NDF: 5484804.6/34



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: 367.476+/-486.348 χ^2/NDF: 15.7/18

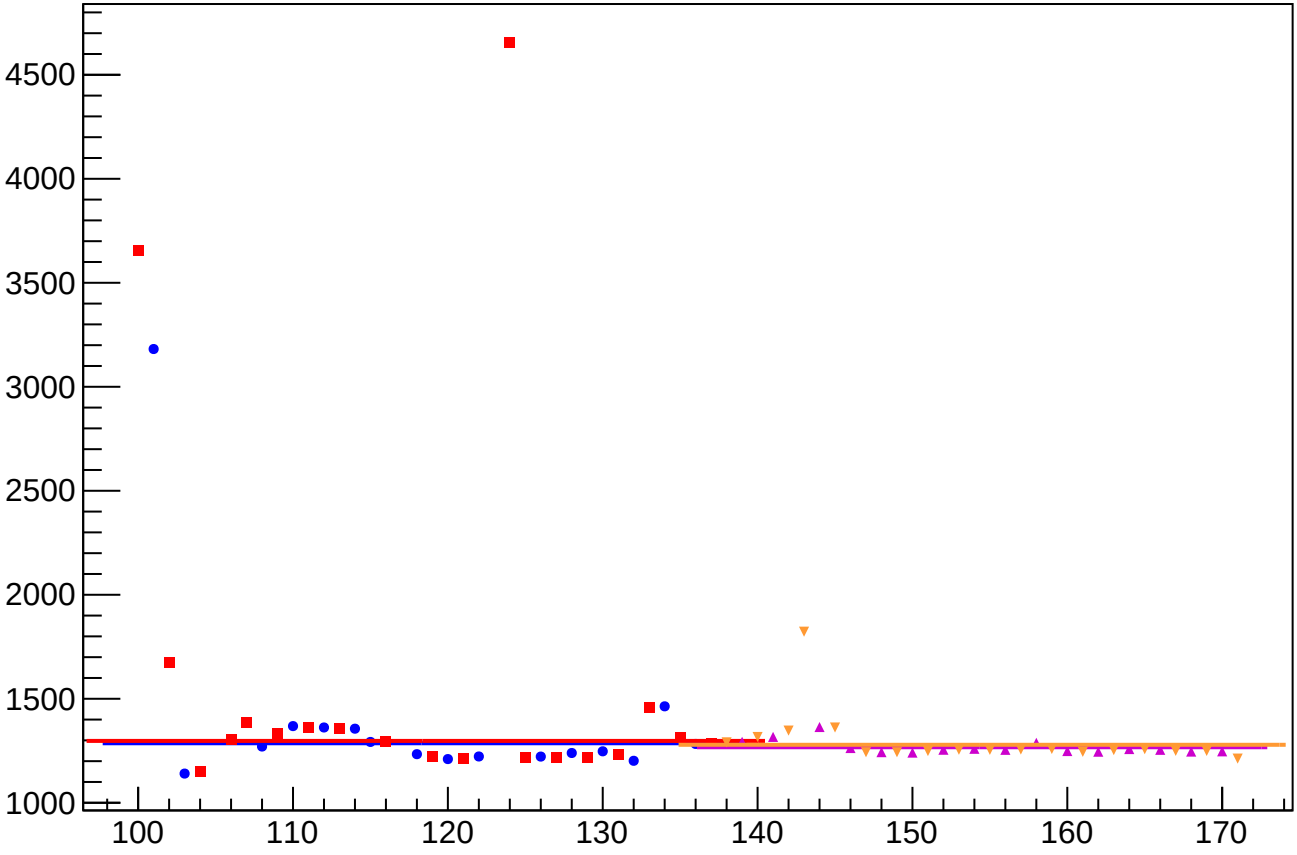
Left In: 292.412+/-348.528 χ^2/NDF:22.1/15

+ sign -498.230+/-278.670 χ^2/NDF: 37.2/33

All: -96.891+/-198.665 χ^2/NDF: 79.2/68

- sign 317.881+/-283.295 χ^2/NDF: 37.8/34

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: 1278.733+/-0.240 χ^2/NDF:170006.9/17

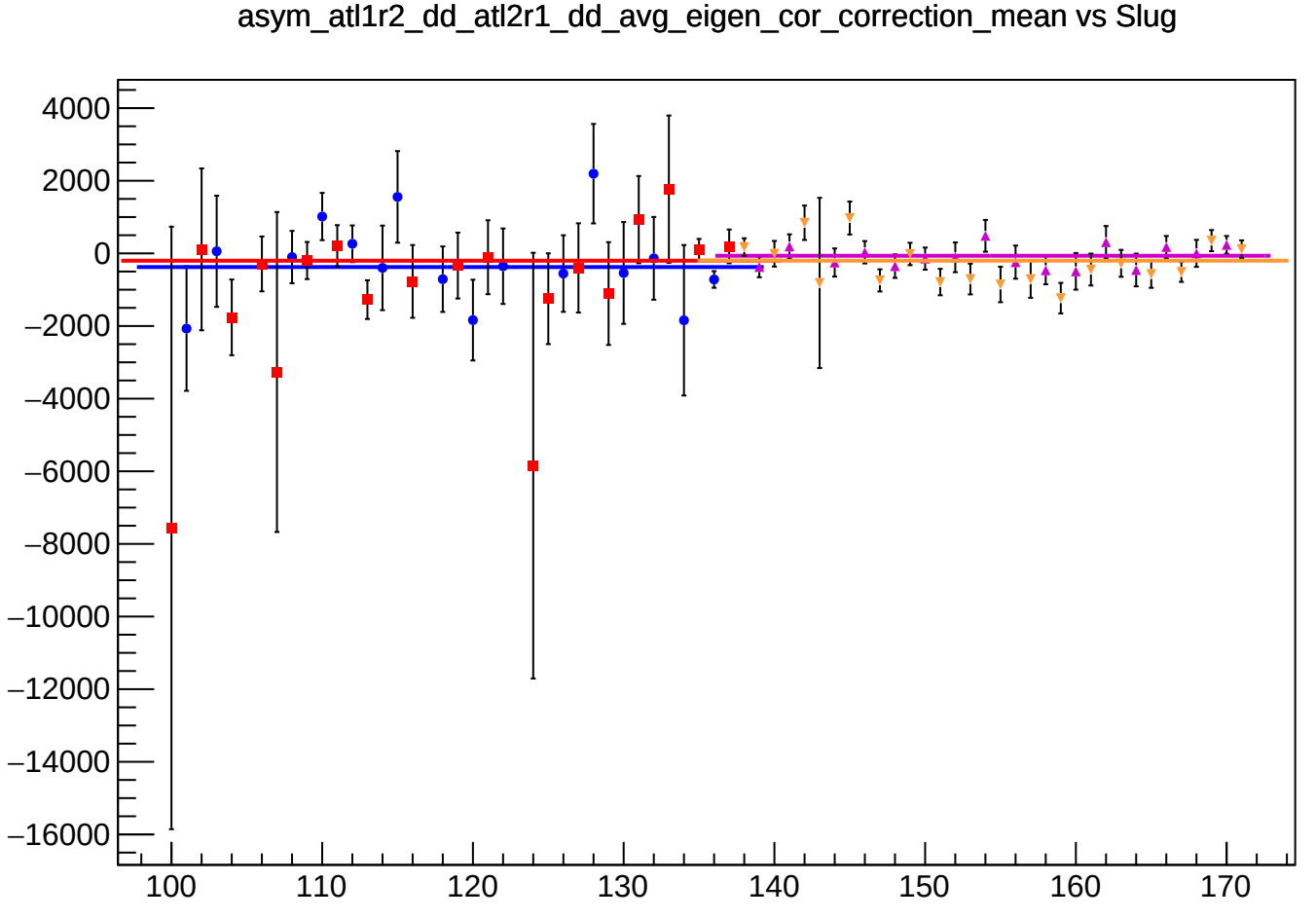
Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1266.902+/-0.246 χ^2/NDF:16511.4/15

+ sign 1281.140+/-0.197 χ^2/NDF: 688442.5/33

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

- sign 1277.248+/-0.200 χ^2/NDF: 349447.2/34



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -201.059+/-83.195 χ^2/NDF:38.6/17

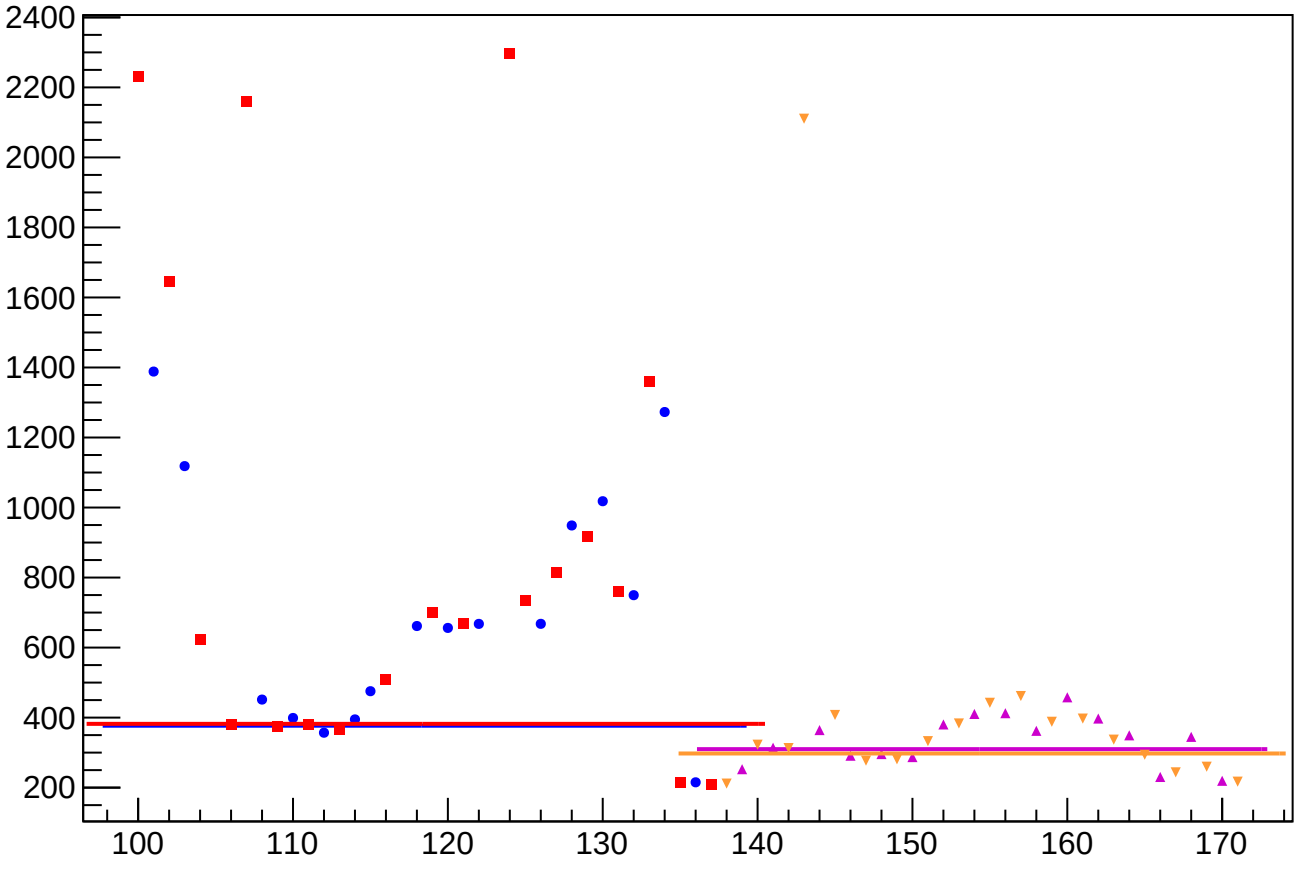
Right Out: -202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: -65.696+/-87.584 χ^2/NDF:10.1/15

+ sign -235.589+/-74.573 χ^2/NDF: 57.5/33

All: -168.022+/-53.835 χ^2/NDF: 83.8/68

- sign -94.483+/-77.799 χ^2/NDF: 24.7/34



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

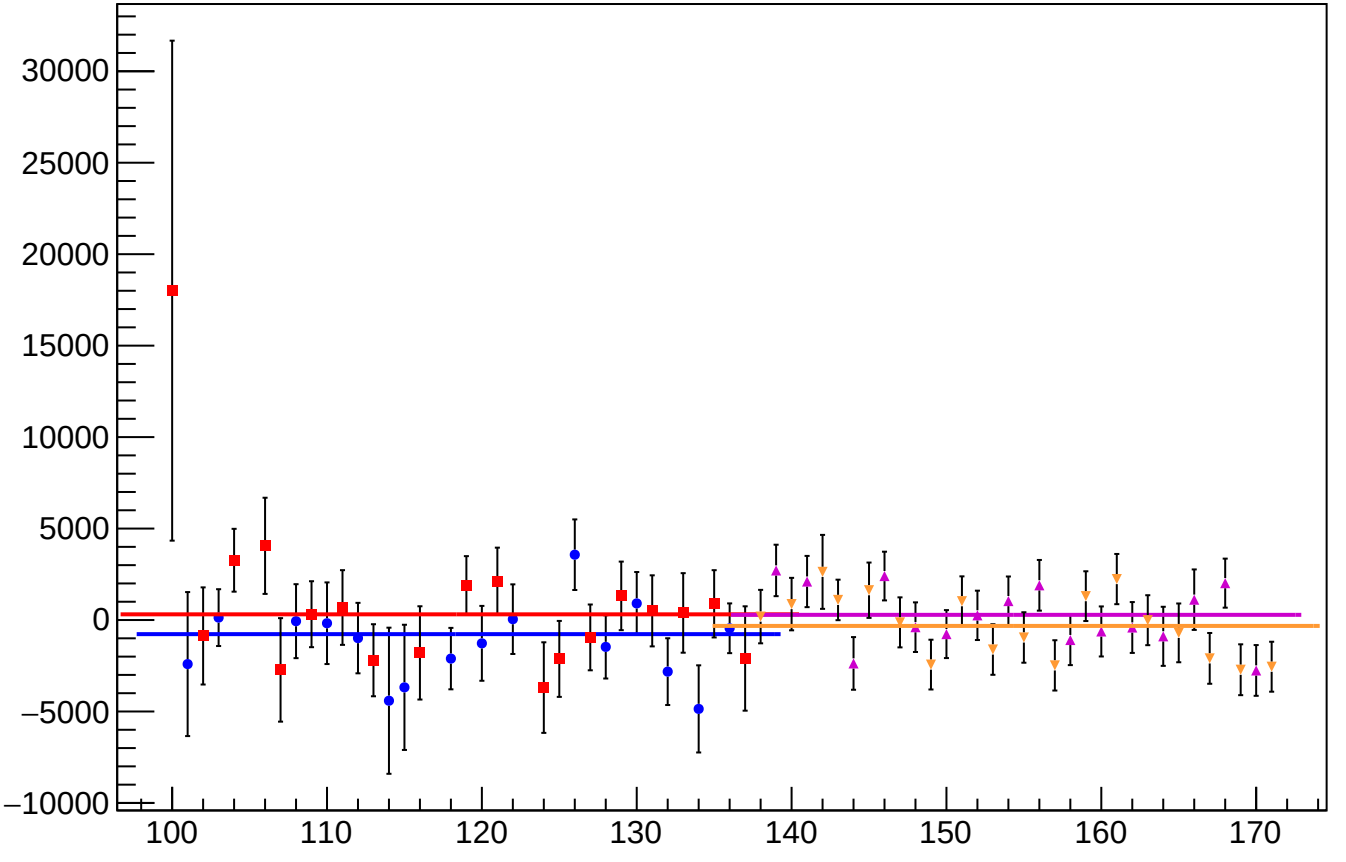
Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

+ sign 313.097+/-0.053 χ^2/NDF: 7181151.4/33

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68

- sign 325.151+/-0.055 χ^2/NDF: 5484804.6/34

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -322.068+/-329.452 χ^2/NDF:25.5/17

Right Out: 311.418+/-482.642 χ^2/NDF: 17.9/18

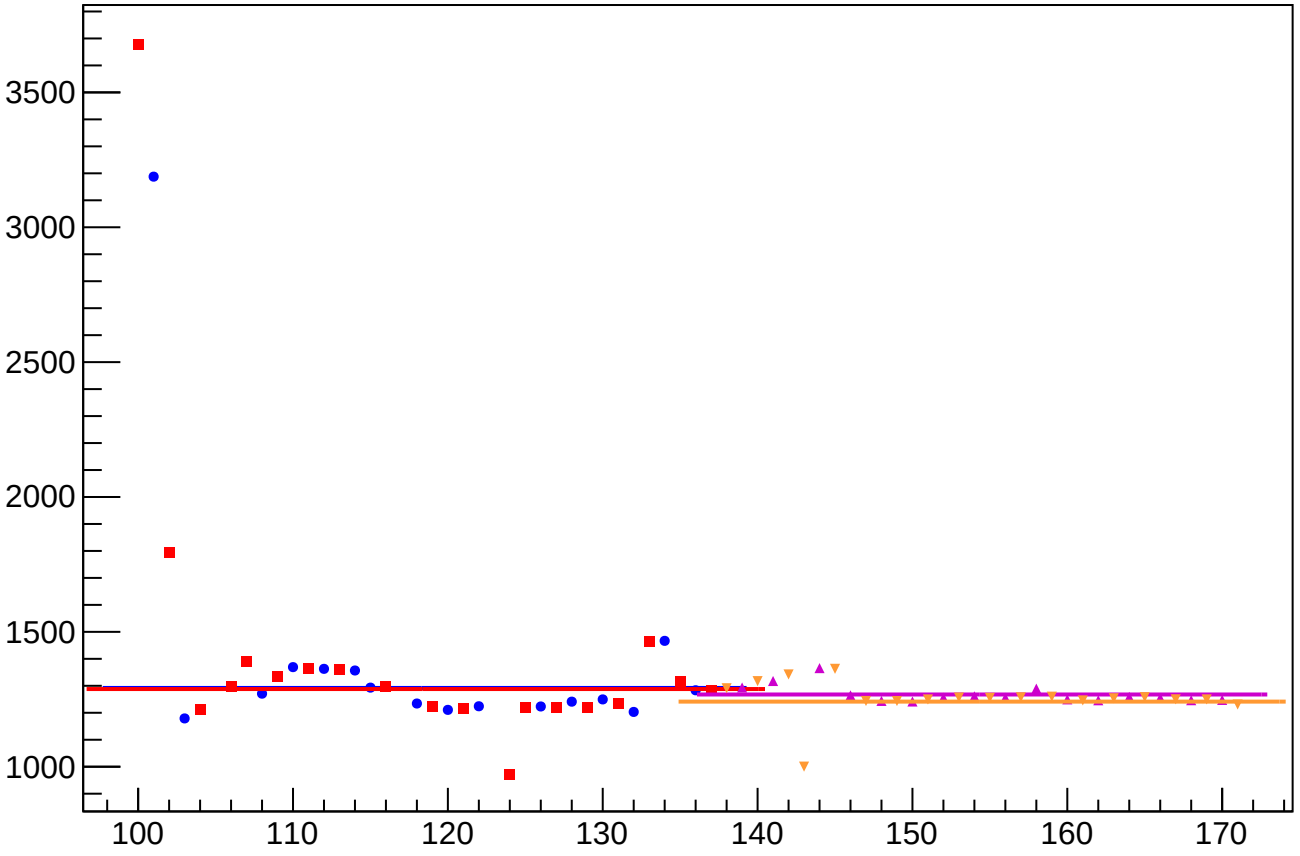
Left In: 283.367+/-348.774 χ^2/NDF:22.1/15

+ sign -462.141+/-273.332 χ^2/NDF: 39.7/33

All: -97.279+/-196.499 χ^2/NDF: 83.4/68

- sign 292.990+/-282.689 χ^2/NDF: 40.1/34

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122422.3/17

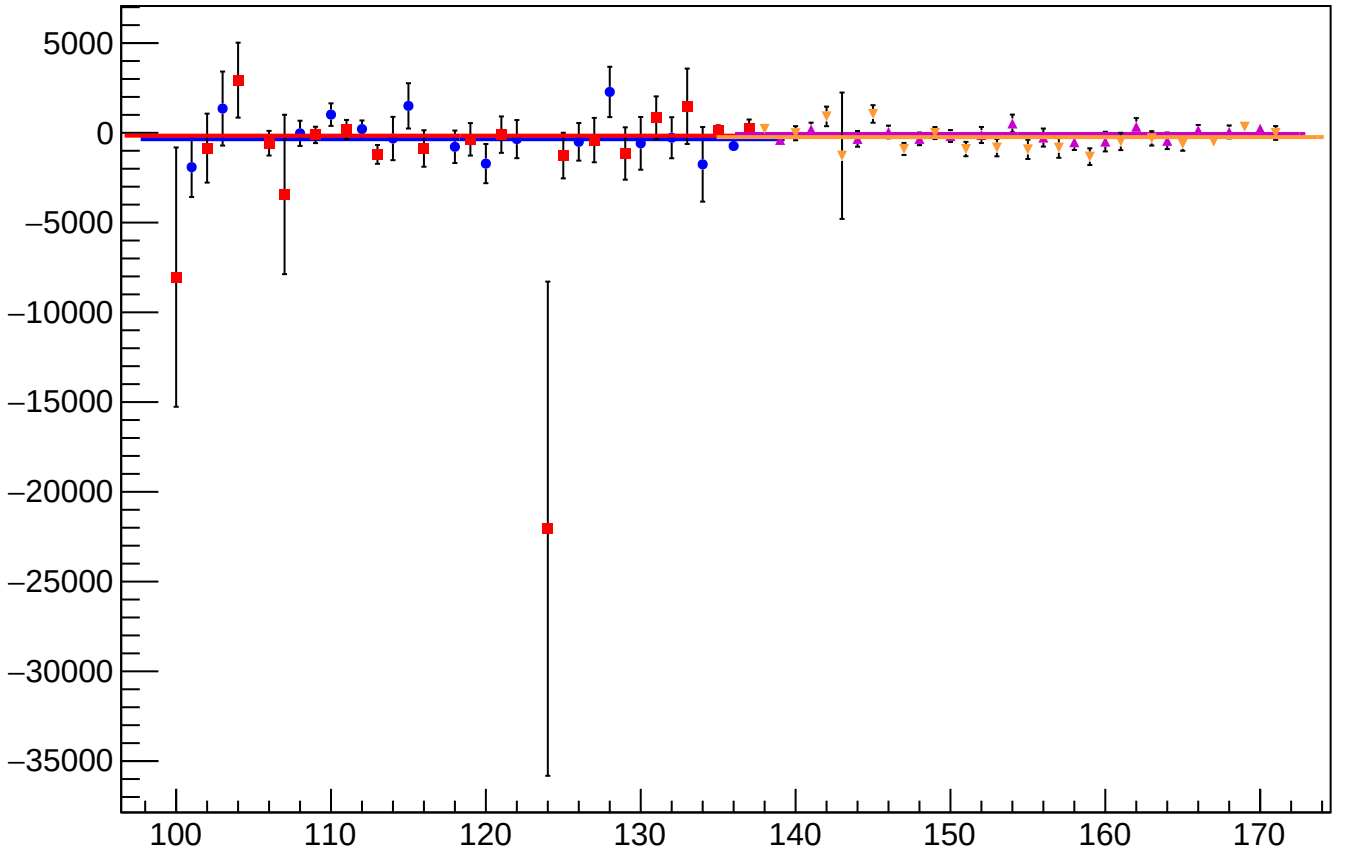
Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

+ sign 1257.164+/-0.193 χ^2/NDF: 646570.0/33

All: 1265.647+/-0.139 χ^2/NDF: 878720.4/68

- sign 1274.720+/-0.200 χ^2/NDF: 228163.6/34



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -238.673+/-90.533 χ^2/NDF:38.9/17

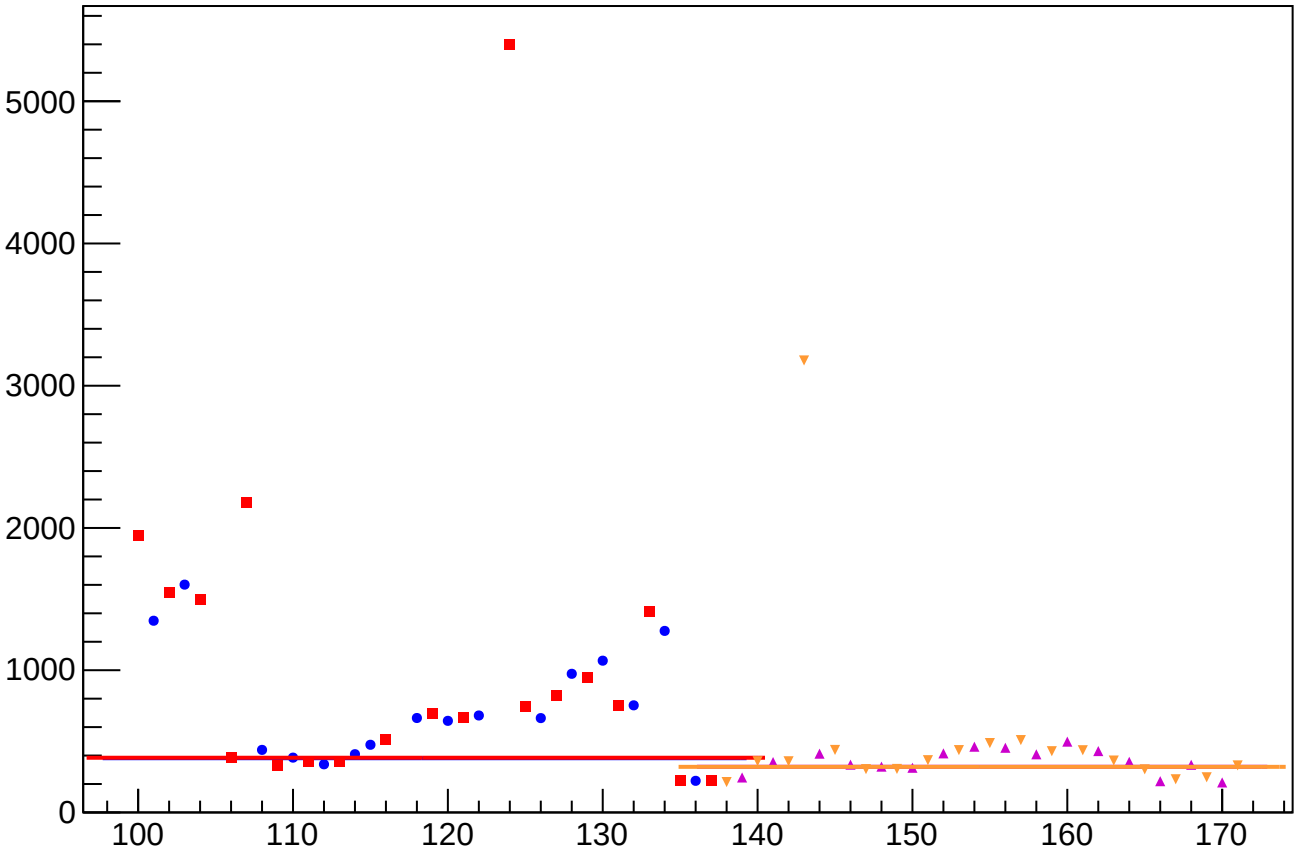
Right Out: -157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: -66.045+/-91.826 χ^2/NDF:9.9/15

+ sign -264.432+/-79.905 χ^2/NDF: 57.7/33

All: -176.588+/-56.800 χ^2/NDF: 86.1/68

- sign -86.861+/-80.757 χ^2/NDF: 26.0/34



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 320.636+/-0.064 χ^2/NDF:3044519.5/17

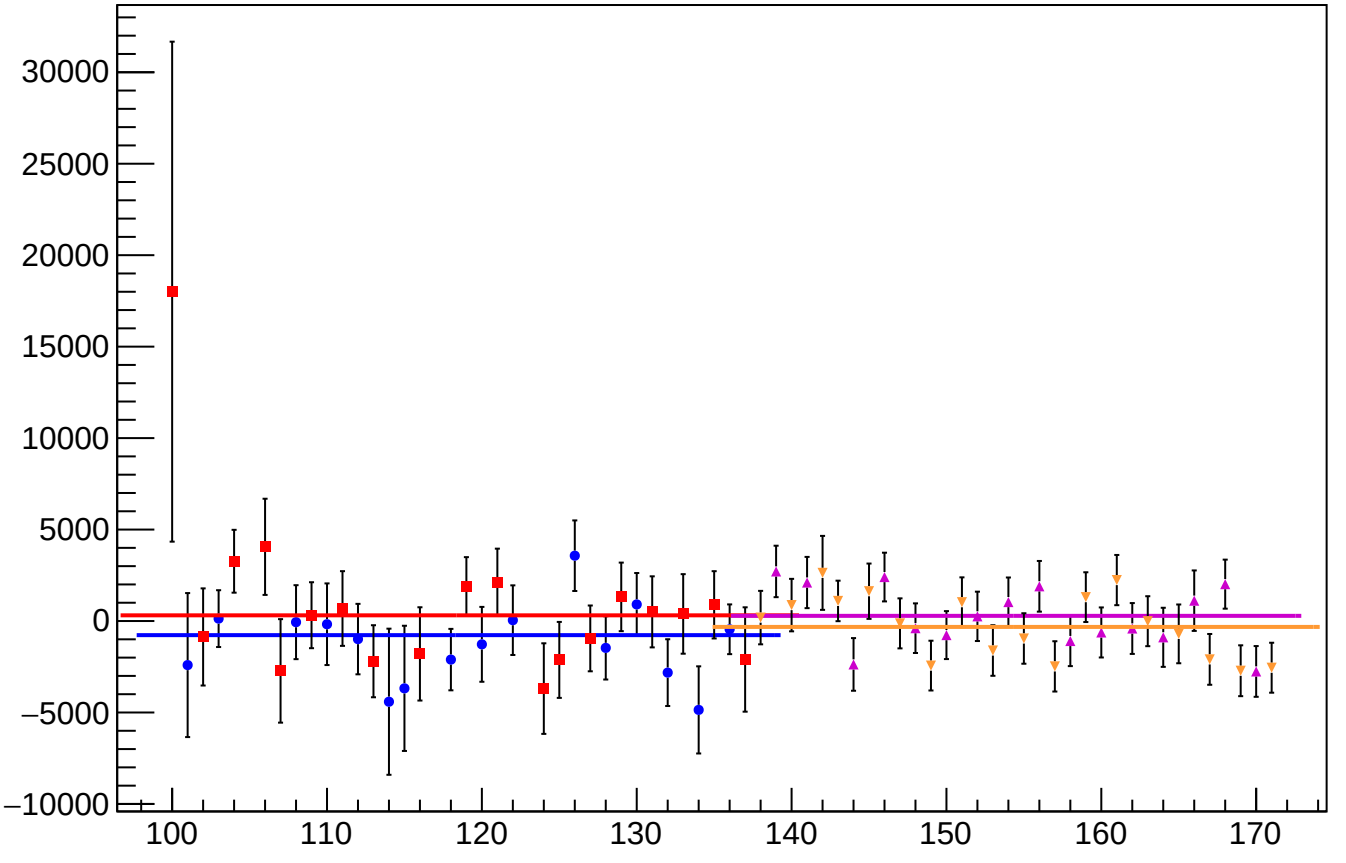
Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 321.050+/-0.065 χ^2/NDF:1739700.2/15

+ sign 334.054+/-0.057 χ^2/NDF: 7561222.8/33

All: 334.750+/-0.040 χ^2/NDF: 14078803.6/68

- sign 335.460+/-0.057 χ^2/NDF: 6517274.8/34



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -322.067+/-329.452 χ^2/NDF:25.5/17

Right Out: 311.419+/-482.642 χ^2/NDF: 17.9/18

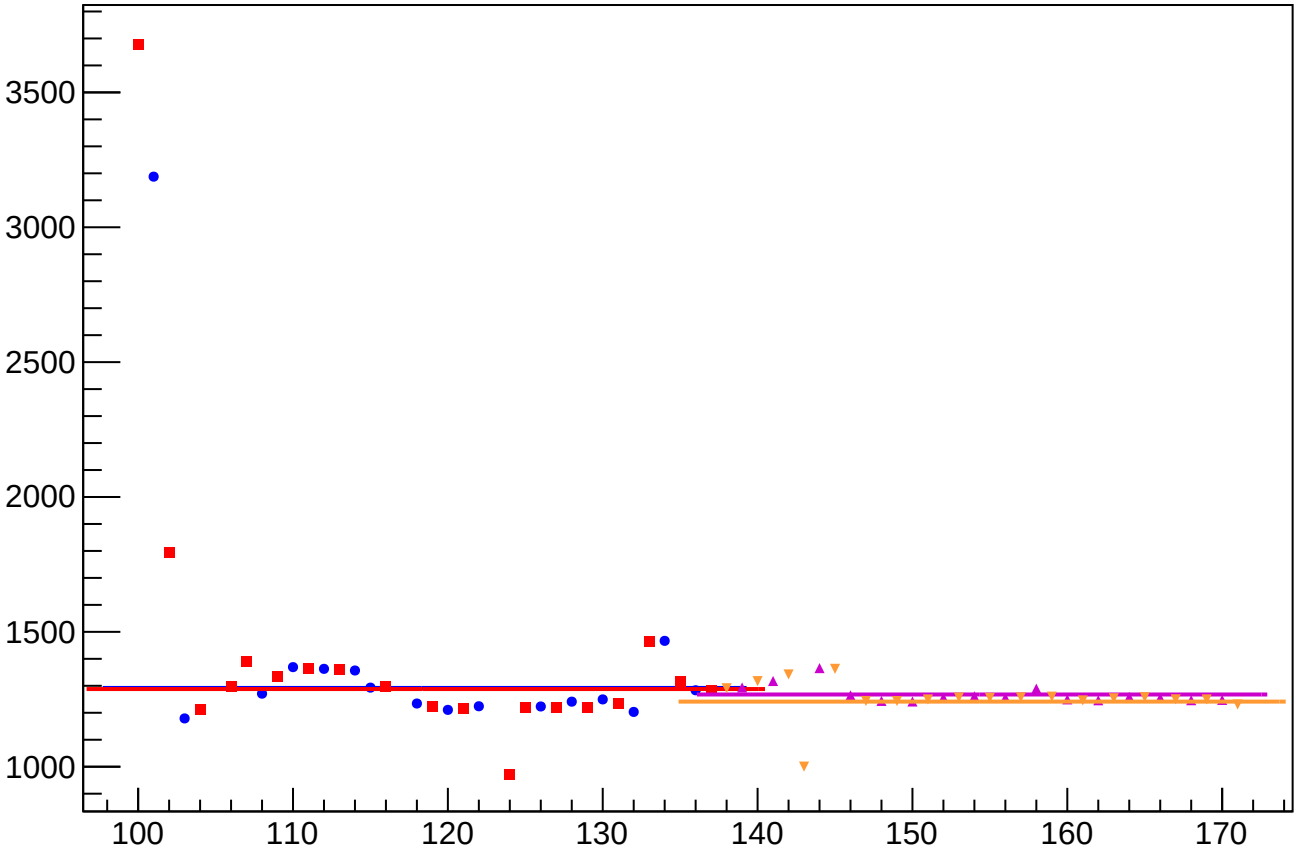
Left In: 283.368+/-348.774 χ^2/NDF:22.1/15

+ sign -462.142+/-273.332 χ^2/NDF: 39.7/33

All: -97.279+/-196.499 χ^2/NDF: 83.4/68

- sign 292.991+/-282.689 χ^2/NDF: 40.1/34

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122421.5/17

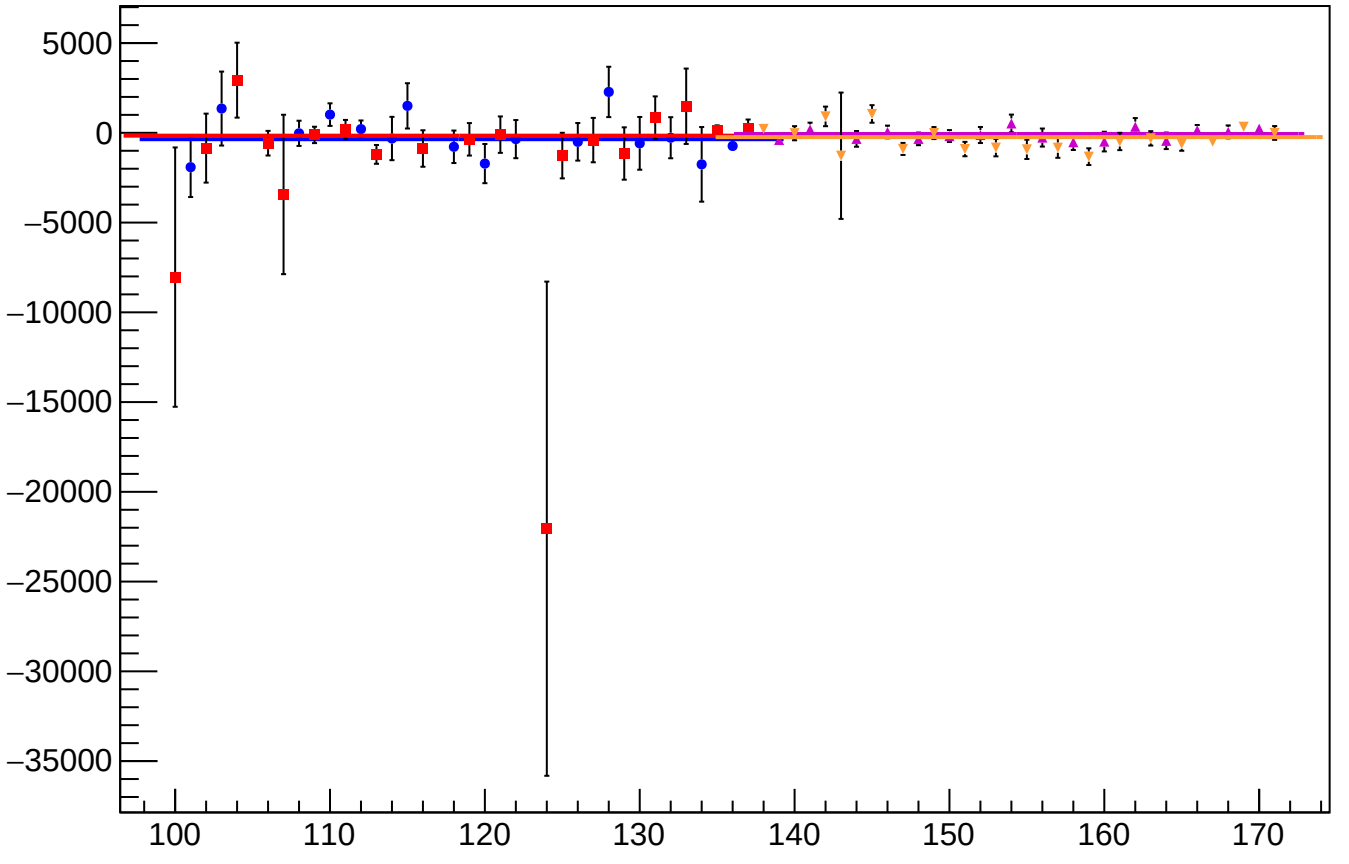
Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1267.792+/-0.247 χ^2/NDF:16654.1/15

+ sign 1257.164+/-0.193 χ^2/NDF: 646569.2/33

All: 1265.647+/-0.139 χ^2/NDF: 878719.8/68

- sign 1274.720+/-0.200 χ^2/NDF: 228163.9/34



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -238.681+/-90.534 χ^2/NDF:38.9/17

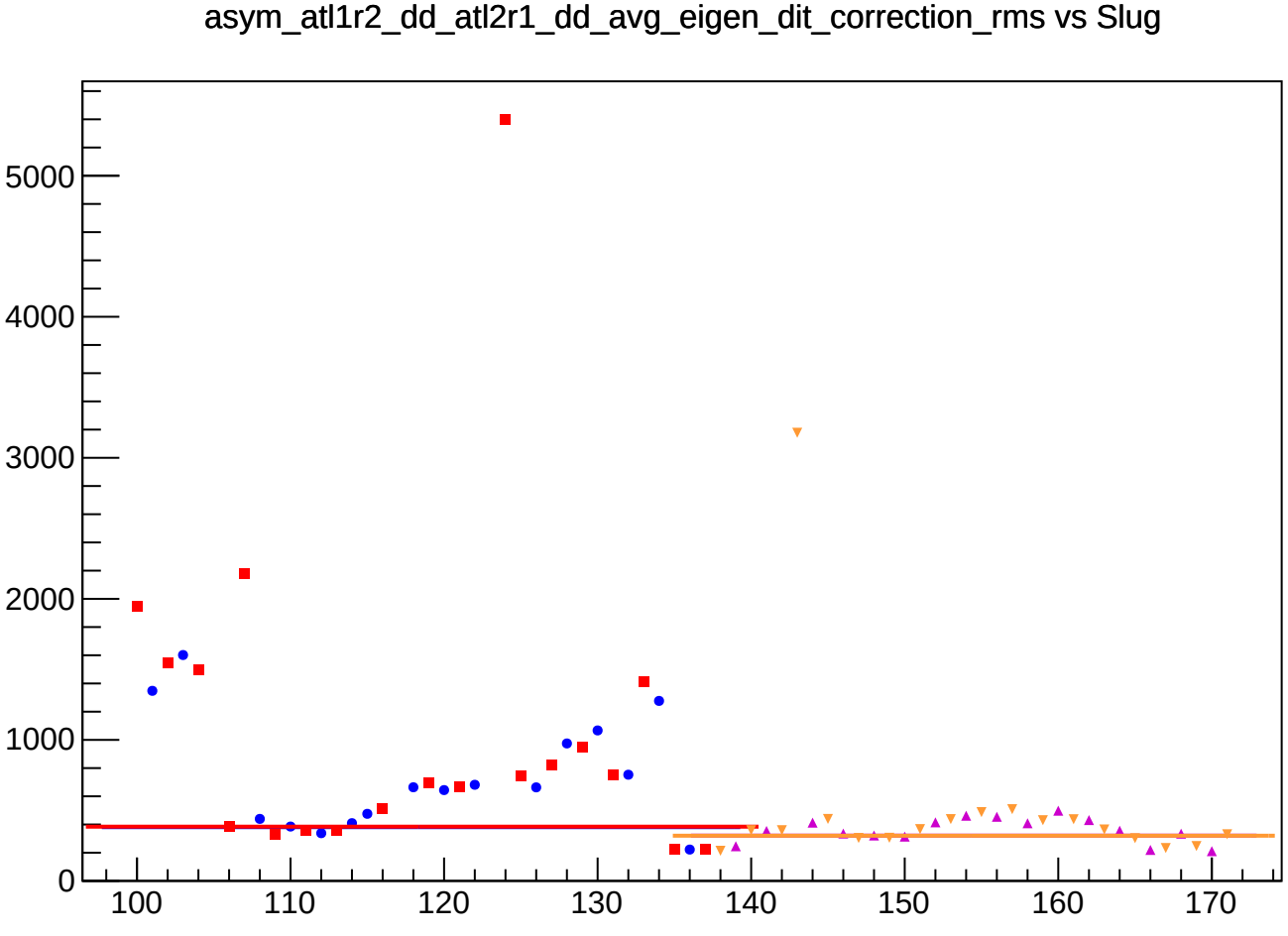
Right Out: -157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: -66.042+/-91.827 χ^2/NDF:9.9/15

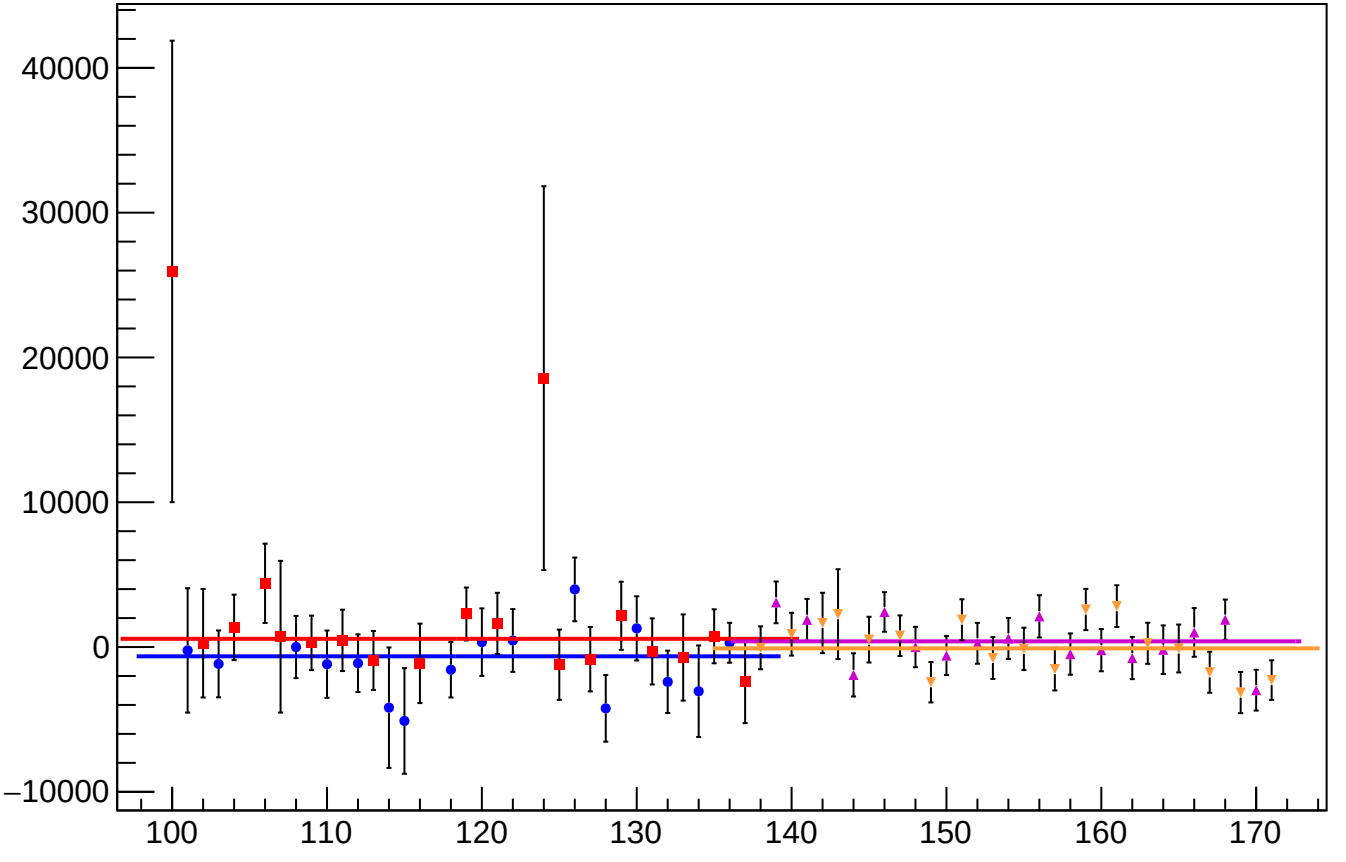
+ sign -264.438+/-79.906 χ^2/NDF: 57.7/33

All: -176.590+/-56.801 χ^2/NDF: 86.1/68

- sign -86.860+/-80.758 χ^2/NDF: 26.0/34


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 381.359+/-0.120 χ²/NDF: 4317737.3/15
Left Out: 320.639+/-0.064 χ²/NDF:3044395.0/17
Right Out: 384.658+/-0.120 χ²/NDF: 4560068.3/18
Left In: 321.052+/-0.065 χ²/NDF:1739642.4/15
+ sign 334.059+/-0.057 χ²/NDF: 7560954.4/33
All: 334.753+/-0.040 χ²/NDF: 14078373.1/68
- sign 335.463+/-0.057 χ²/NDF: 6517113.3/34

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -92.225+/-354.767 χ^2/NDF:24.5/17

Right Out: 567.254+/-566.774 χ^2/NDF: 11.3/18

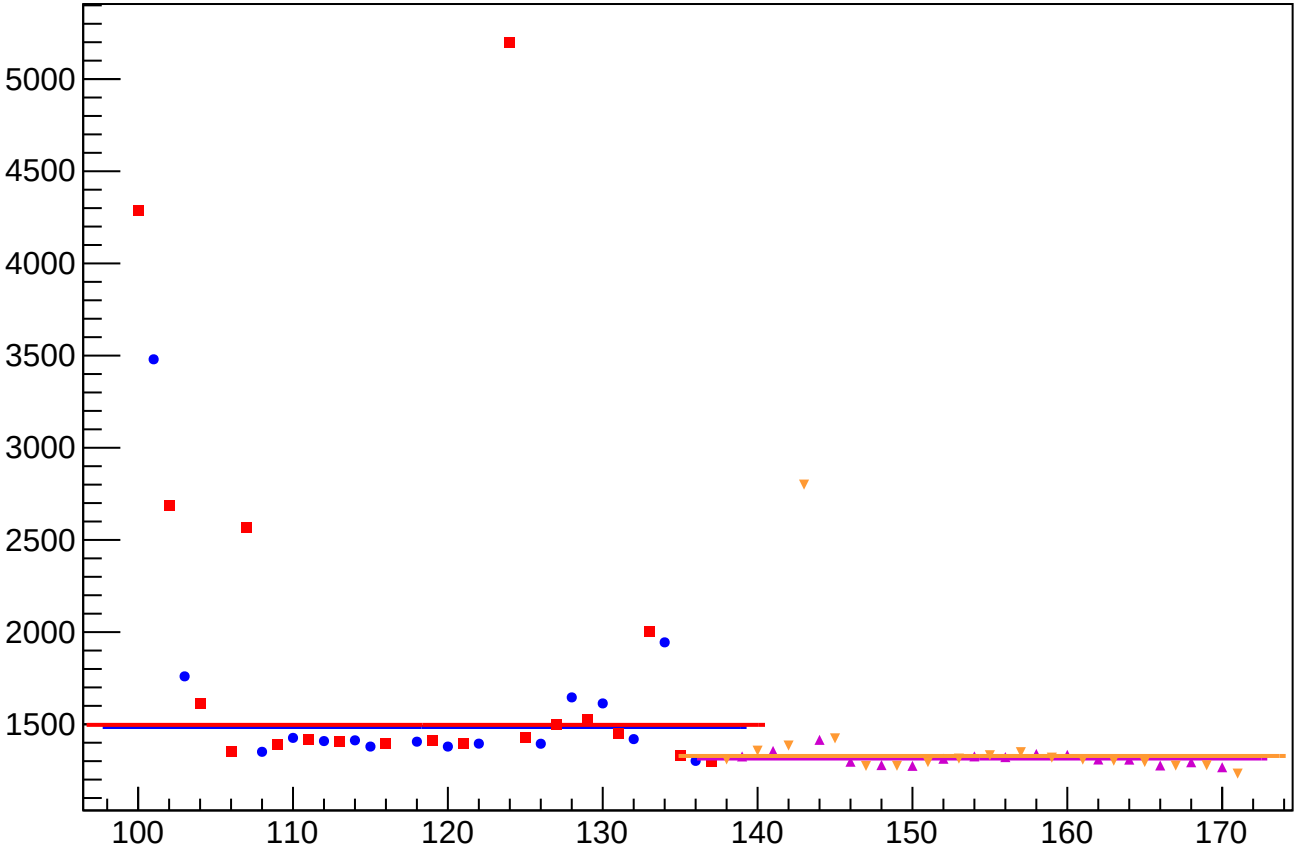
Left In: 391.099+/-361.590 χ^2/NDF:19.5/15

+ sign -247.606+/-300.354 χ^2/NDF: 37.6/33

All: 92.117+/-213.949 χ^2/NDF: 71.1/68

- sign 442.056+/-304.836 χ^2/NDF: 30.9/34

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1328.132+/-0.251 χ^2/NDF:484424.1/17

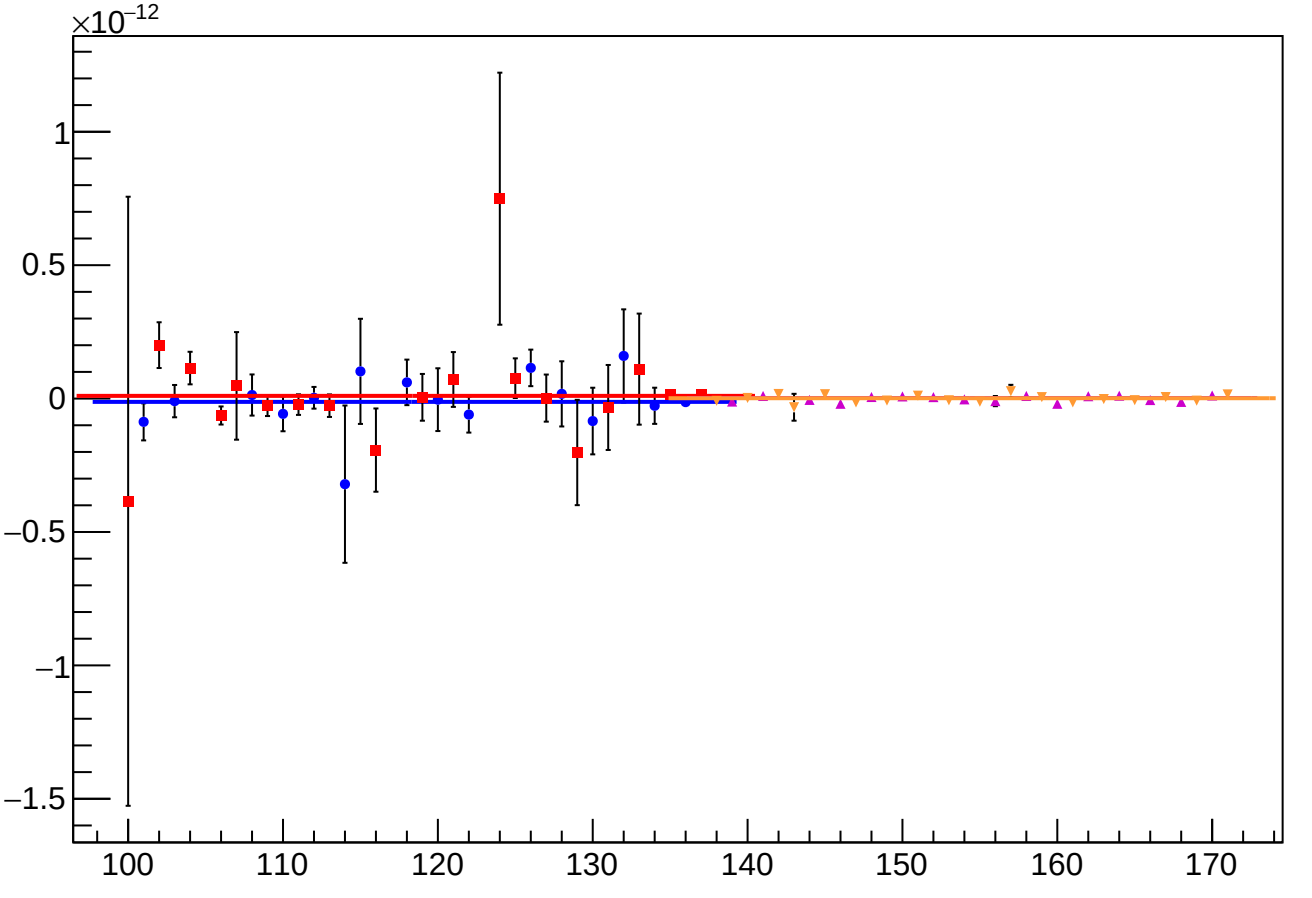
Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1314.277+/-0.256 χ^2/NDF:19225.9/15

+ sign 1372.667+/-0.212 χ^2/NDF: 1180170.8/33

All: 1369.923+/-0.151 χ^2/NDF: 1970551.7/68

- sign 1367.096+/-0.216 χ^2/NDF: 790041.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/17

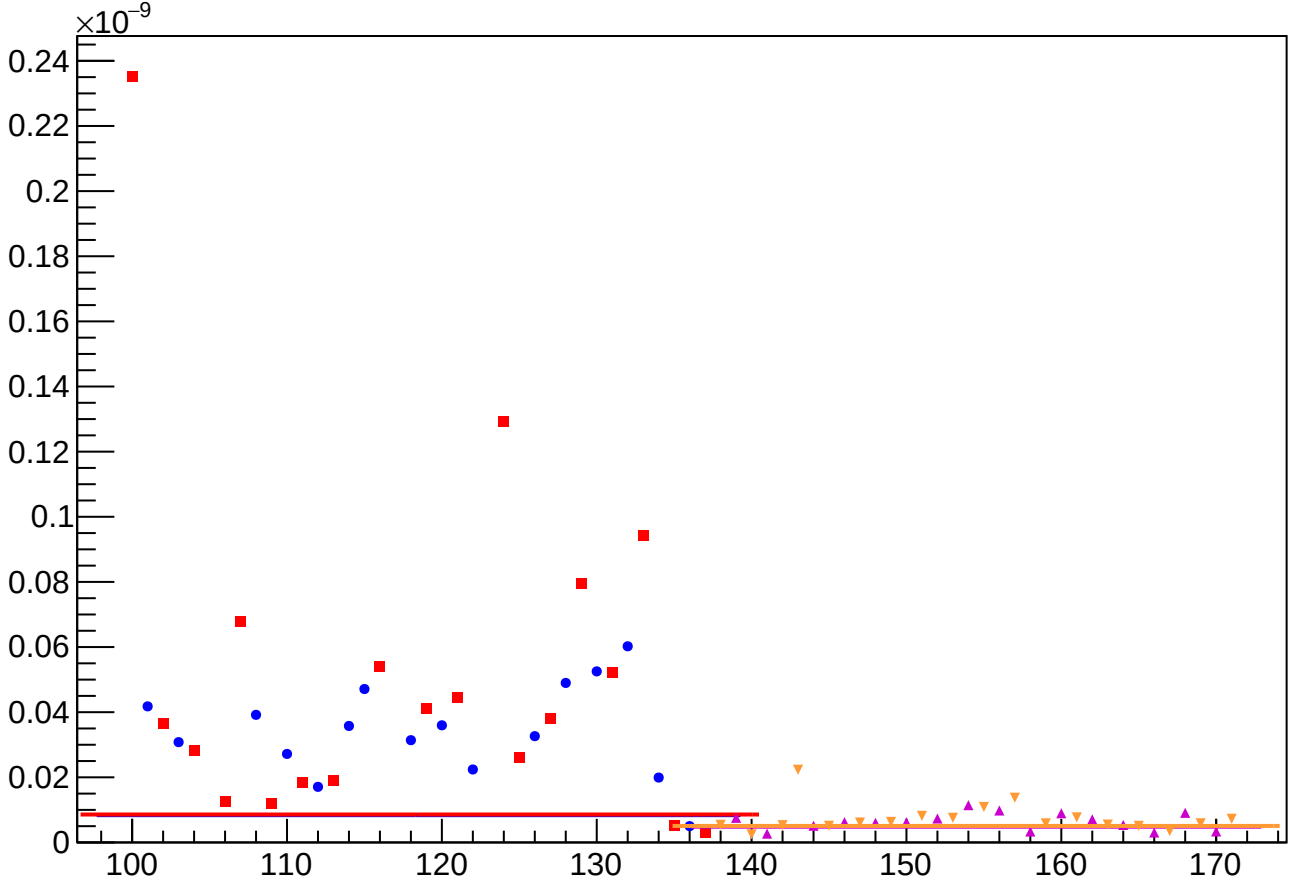
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 29.4/33

All: 0.000+/-0.000 χ^2/NDF: 71.1/68

- sign 0.000+/-0.000 χ^2/NDF: 41.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835857.6/17

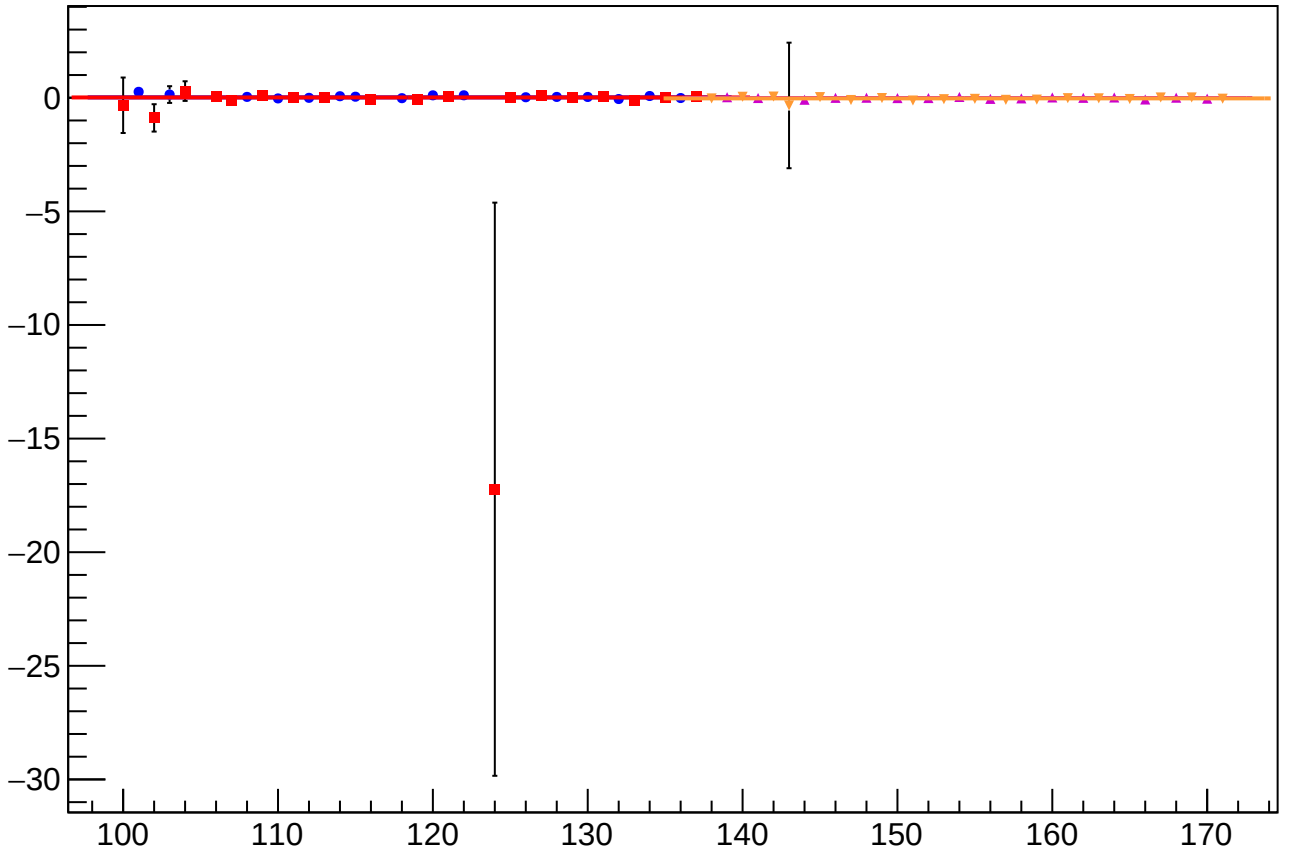
Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1687671.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 5257339.1/33

All: 0.000+/-0.000 χ^2/NDF: 10704031.6/68

- sign 0.000+/-0.000 χ^2/NDF: 5436461.6/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

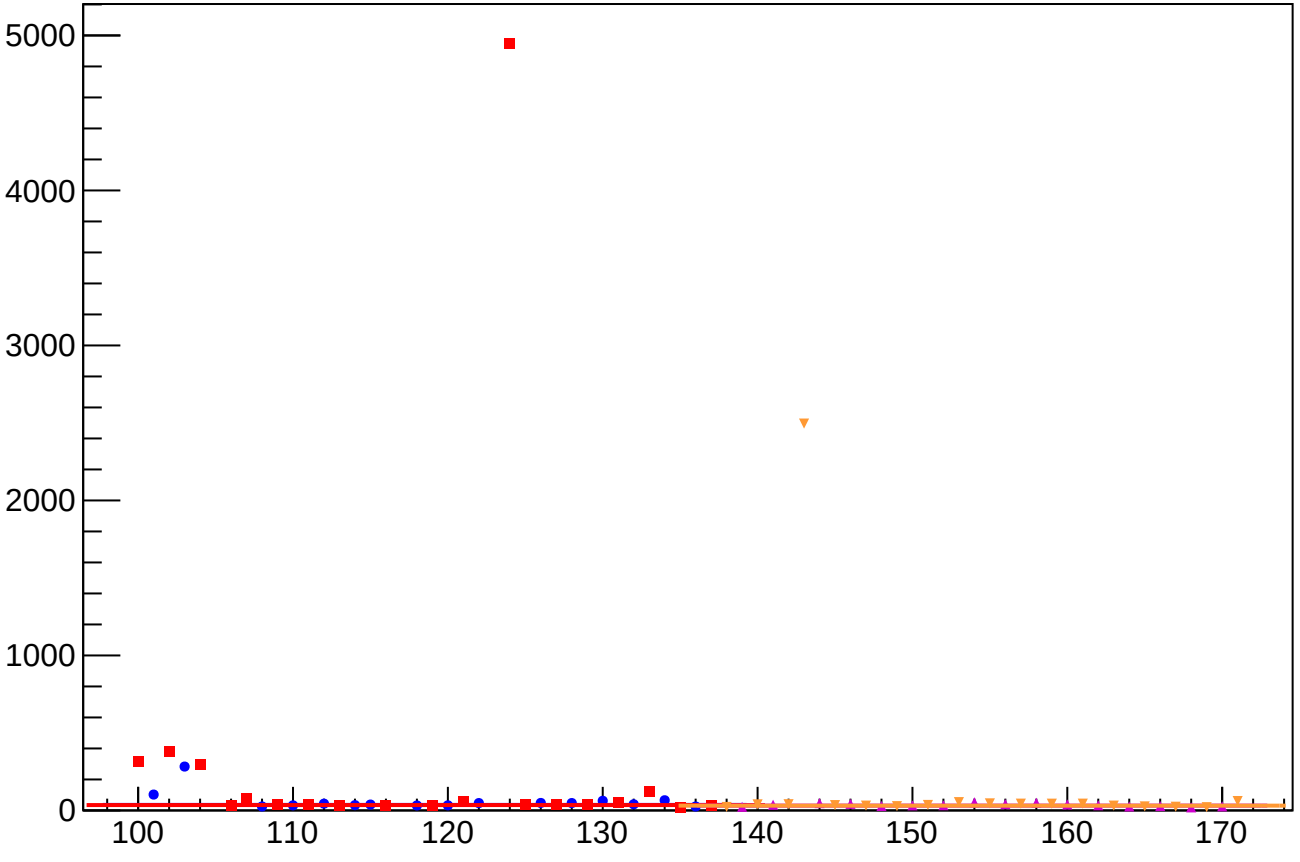
Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

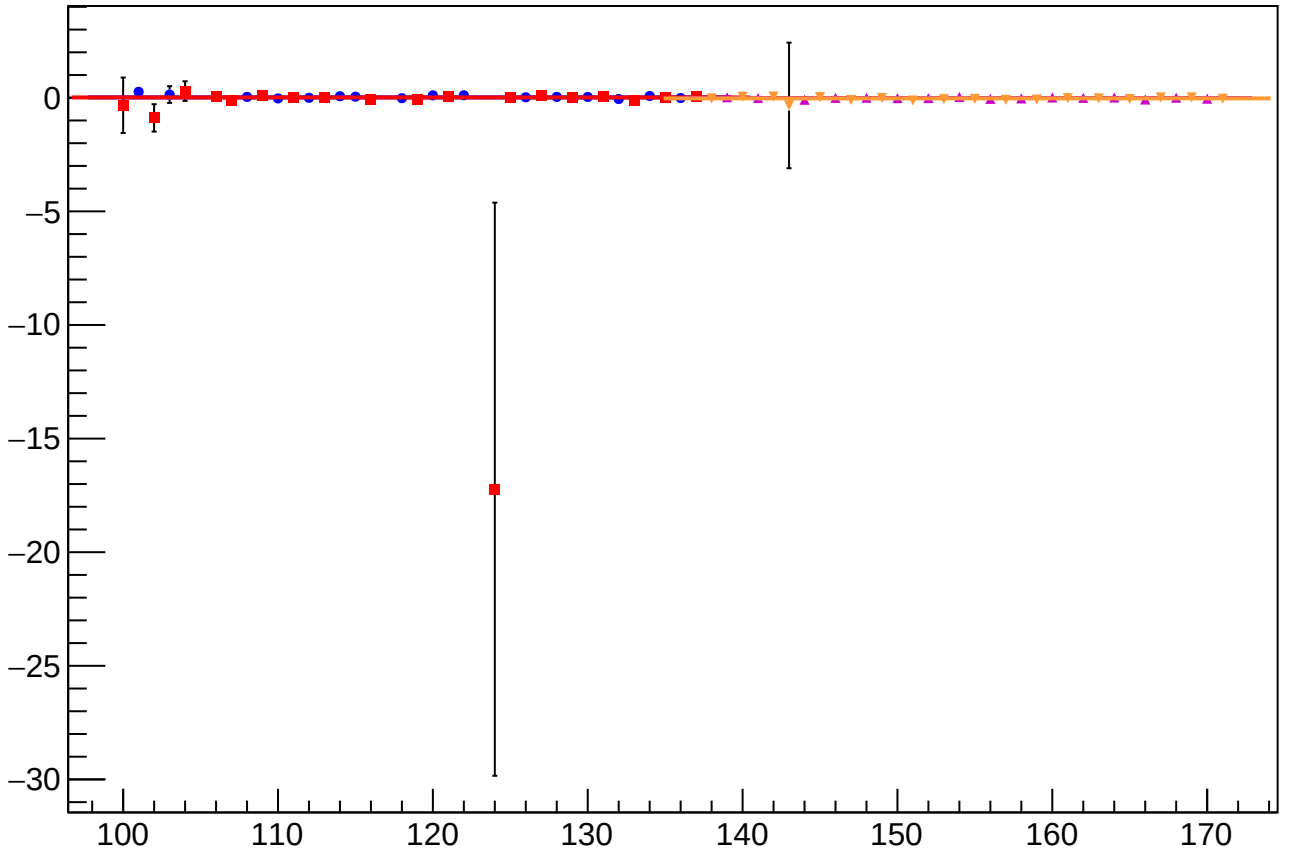
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

\+ sign 32.346+/-0.006 χ^2/NDF: 5787420.7/33

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

\- sign 32.147+/-0.006 χ^2/NDF: 4656018.1/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

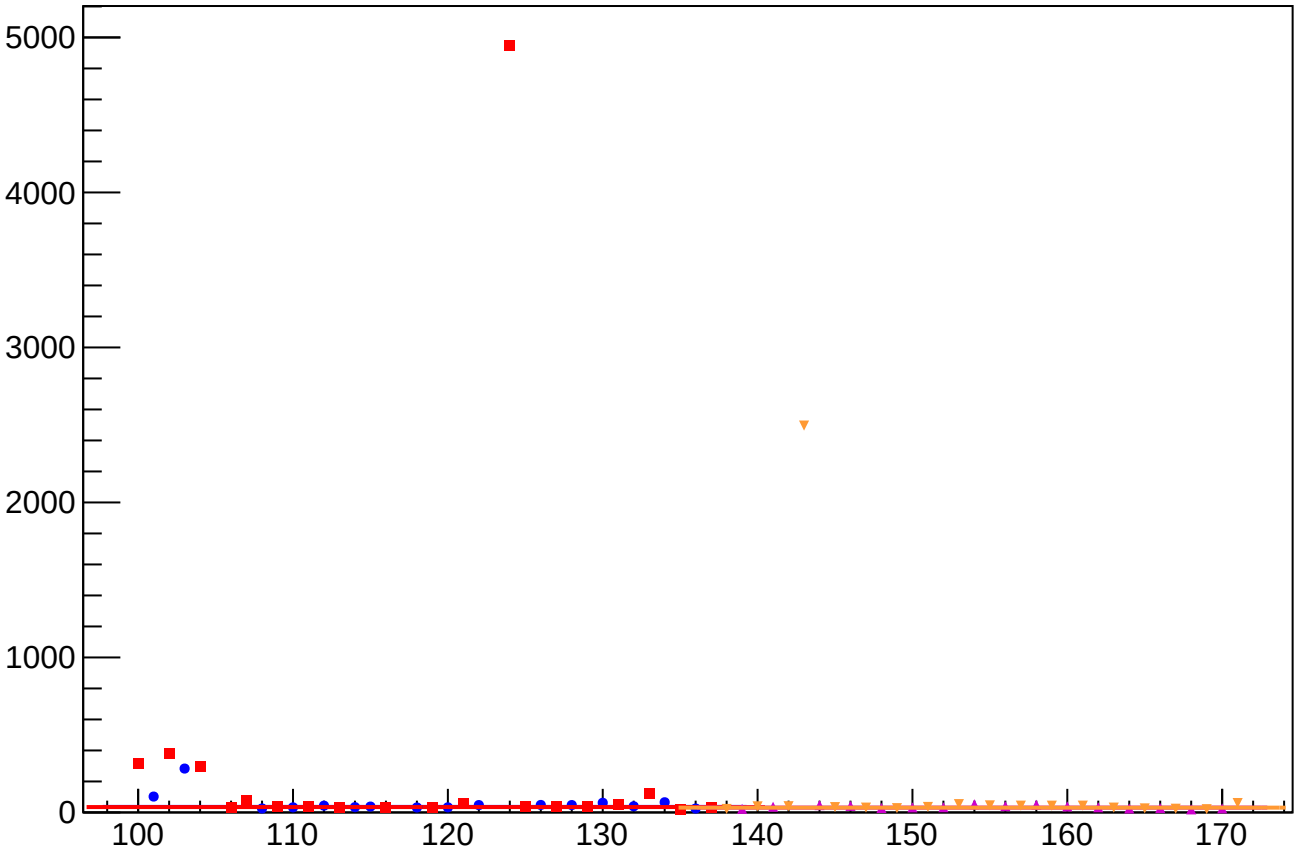
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.047+/-0.007 χ^2/NDF:3388970.2/17

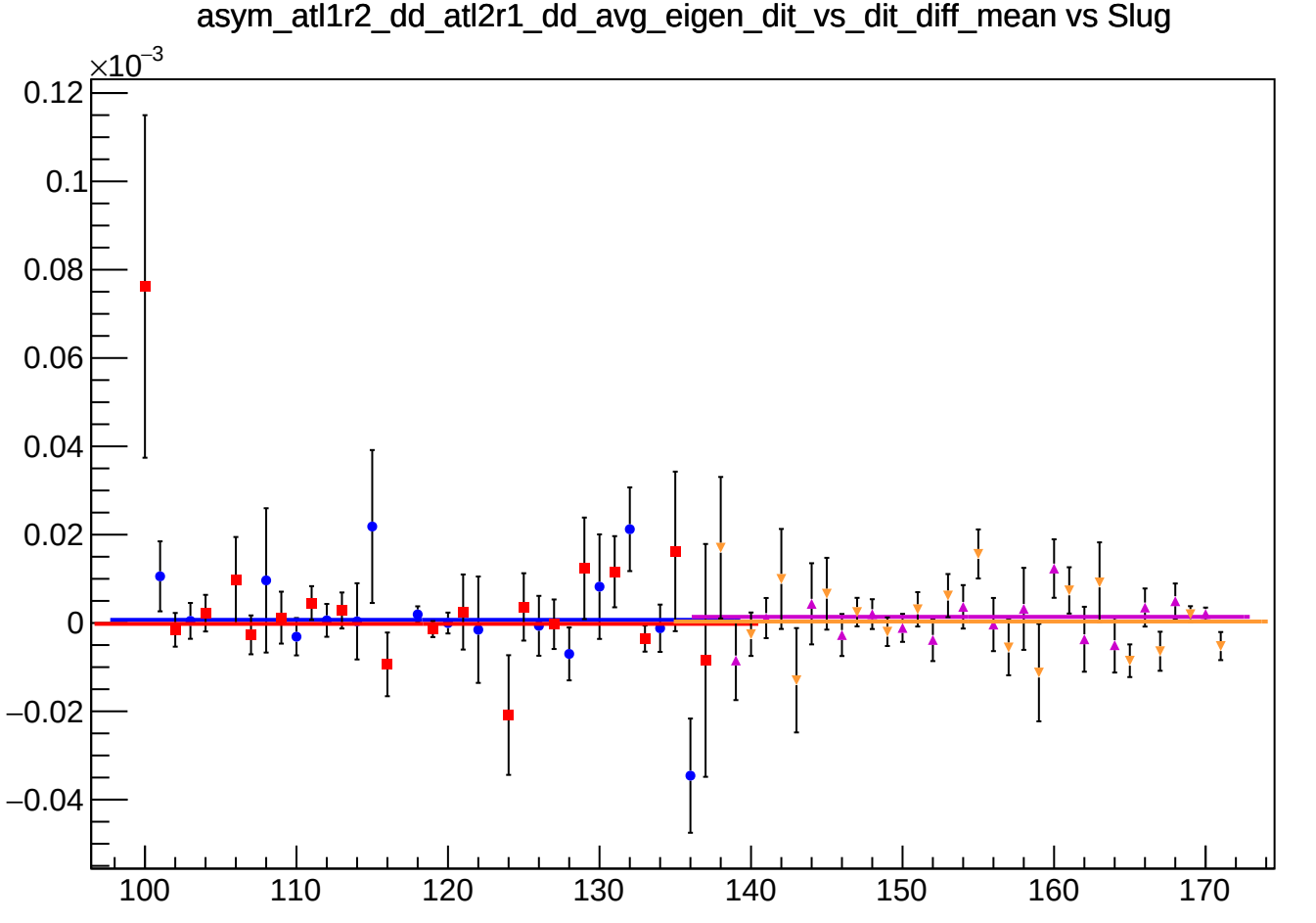
Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.158+/-0.007 χ^2/NDF:1662854.0/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787420.7/33

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

- sign 32.147+/-0.006 χ^2/NDF: 4656018.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/17

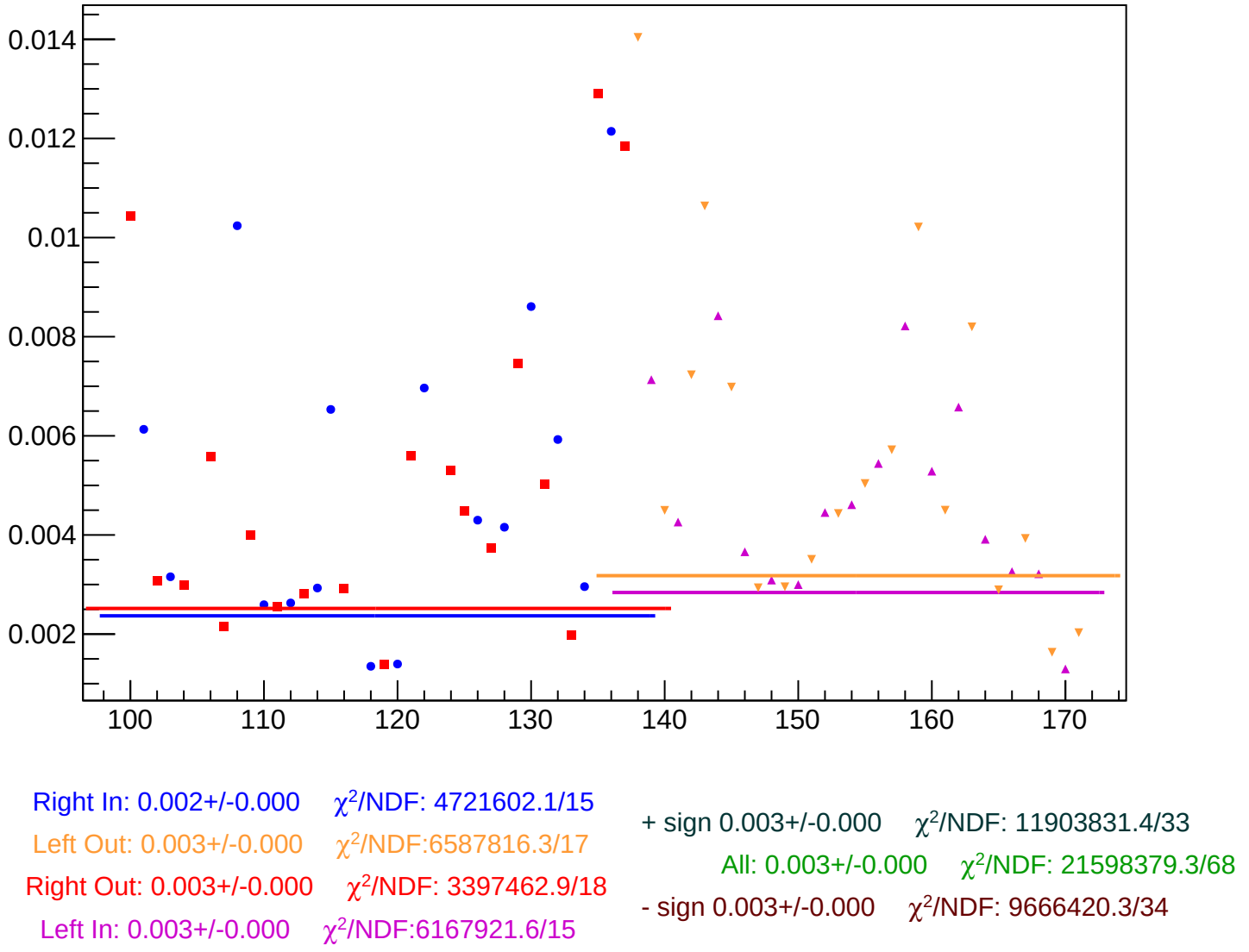
Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

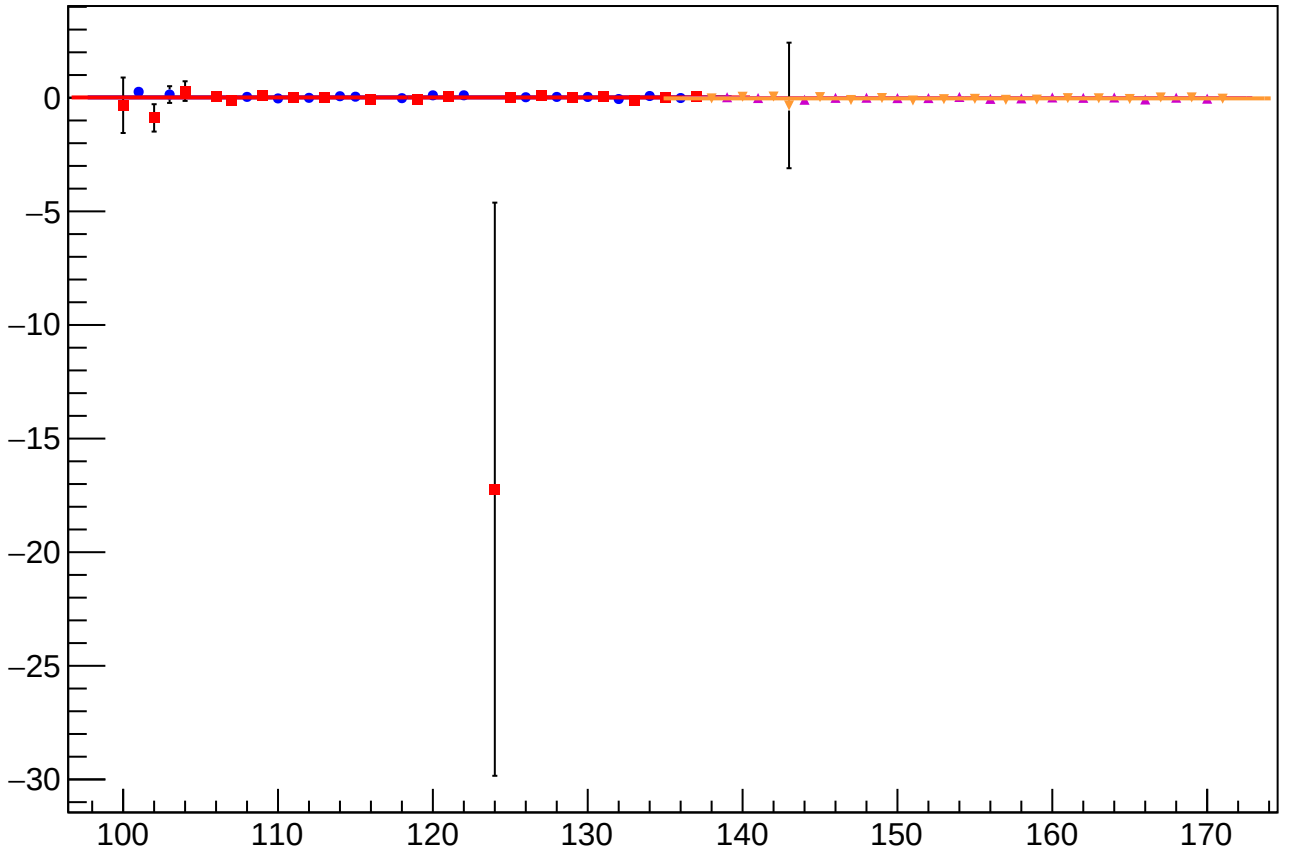
Left In: 0.000+/-0.000 χ^2/NDF:9.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/33

All: 0.000+/-0.000 χ^2/NDF: 79.4/68

- sign 0.000+/-0.000 χ^2/NDF: 29.1/34


asym_atl1r2_dd_atl2r1_dd_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
170
Right In: 0.002+/-0.000 χ²/NDF: 4721602.1/15
Left Out: 0.003+/-0.000 χ²/NDF:6587816.3/17
Right Out: 0.003+/-0.000 χ²/NDF: 3397462.9/18
Left In: 0.003+/-0.000 χ²/NDF:6167921.6/15
+ sign 0.003+/-0.000 χ²/NDF: 11903831.4/33
All: 0.003+/-0.000 χ²/NDF: 21598379.3/68
- sign 0.003+/-0.000 χ²/NDF: 9666420.3/34



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

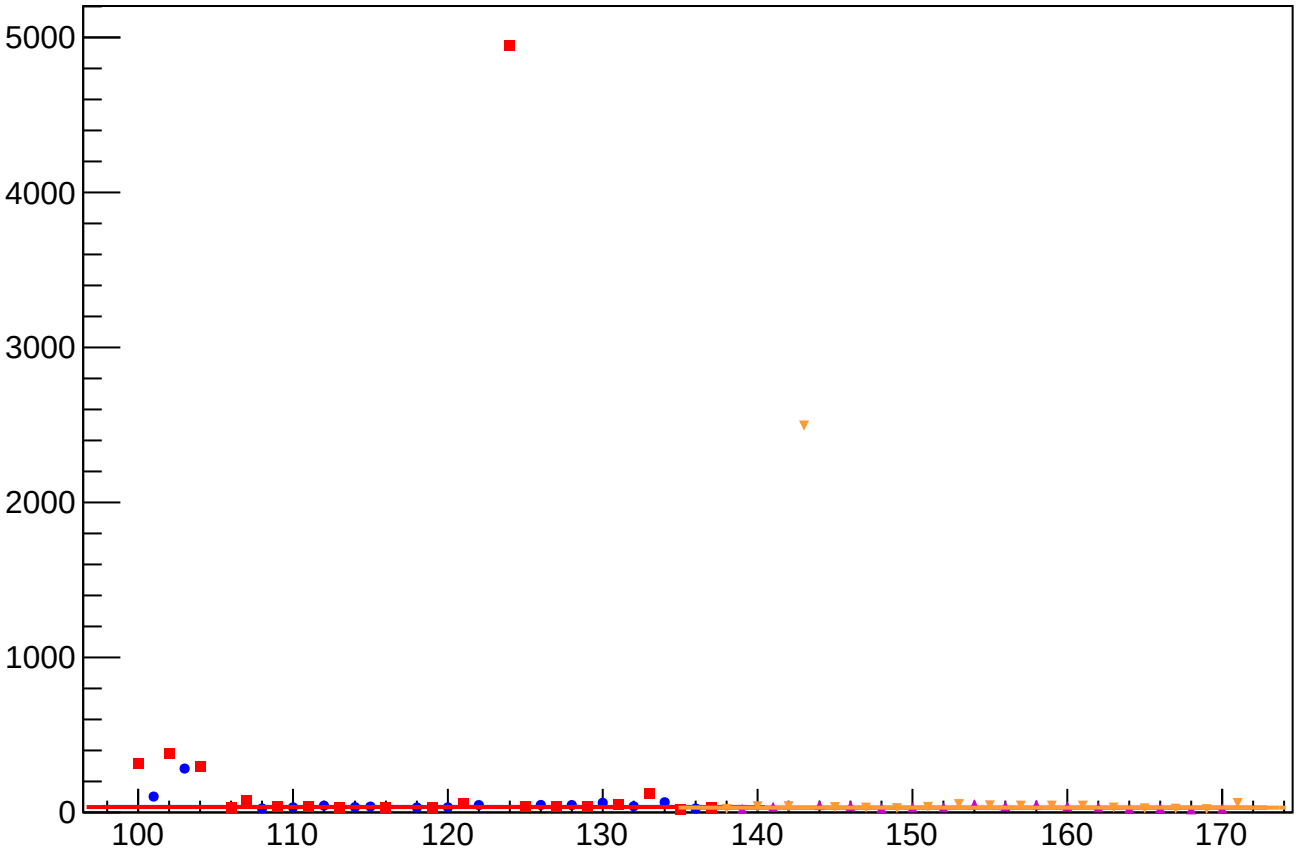
Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.046+/-0.007 χ^2/NDF:3389231.6/17

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

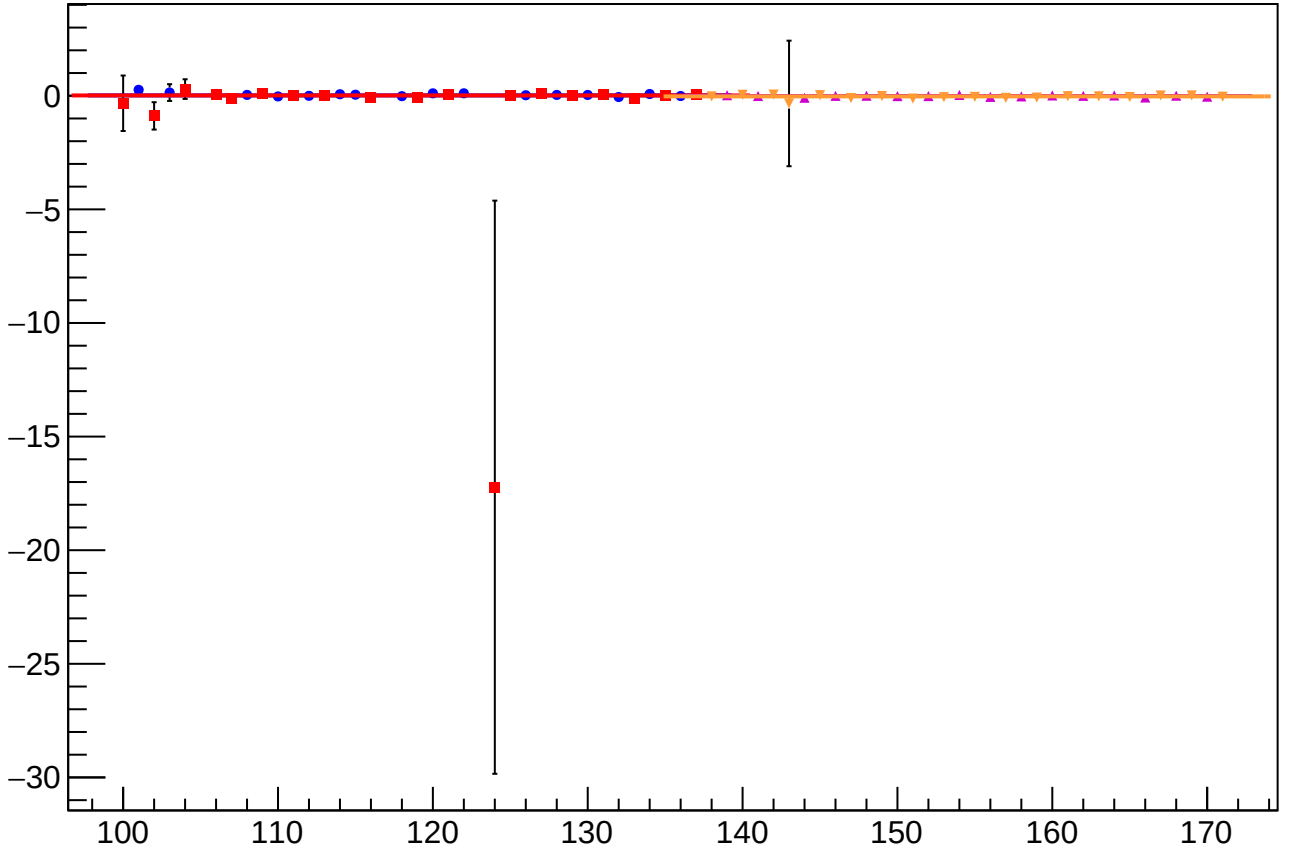
Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787498.8/33

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

- sign 32.146+/-0.006 χ^2/NDF: 4656500.5/34

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.4/17

Right Out: 0.014+/-0.016 χ^2/NDF: 16.0/18

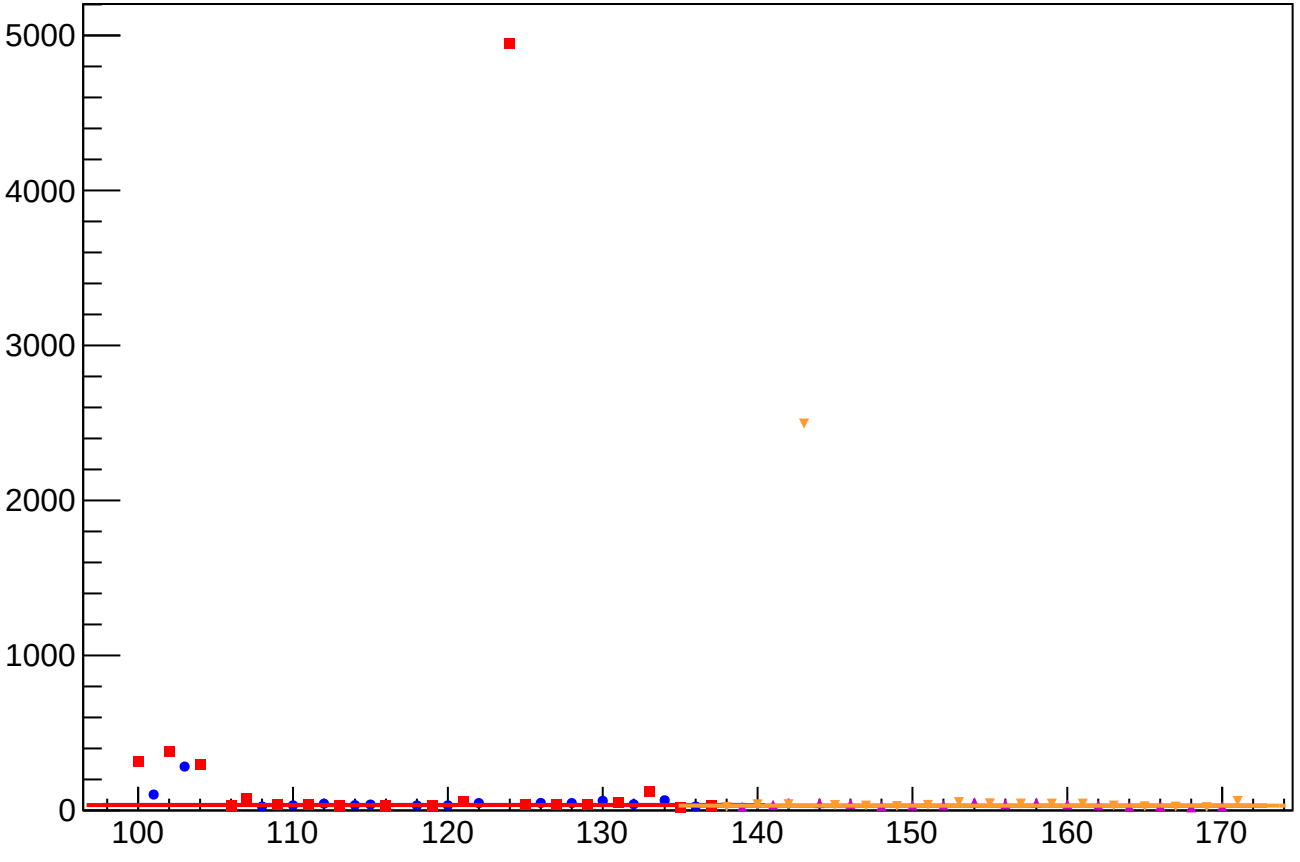
Left In: -0.011+/-0.010 χ^2/NDF:9.8/15

+ sign -0.015+/-0.008 χ^2/NDF: 40.8/33

All: -0.010+/-0.006 χ^2/NDF: 69.3/68

- sign -0.004+/-0.008 χ^2/NDF: 27.6/34

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: 31.046+/-0.007 χ^2/NDF:3389231.6/17

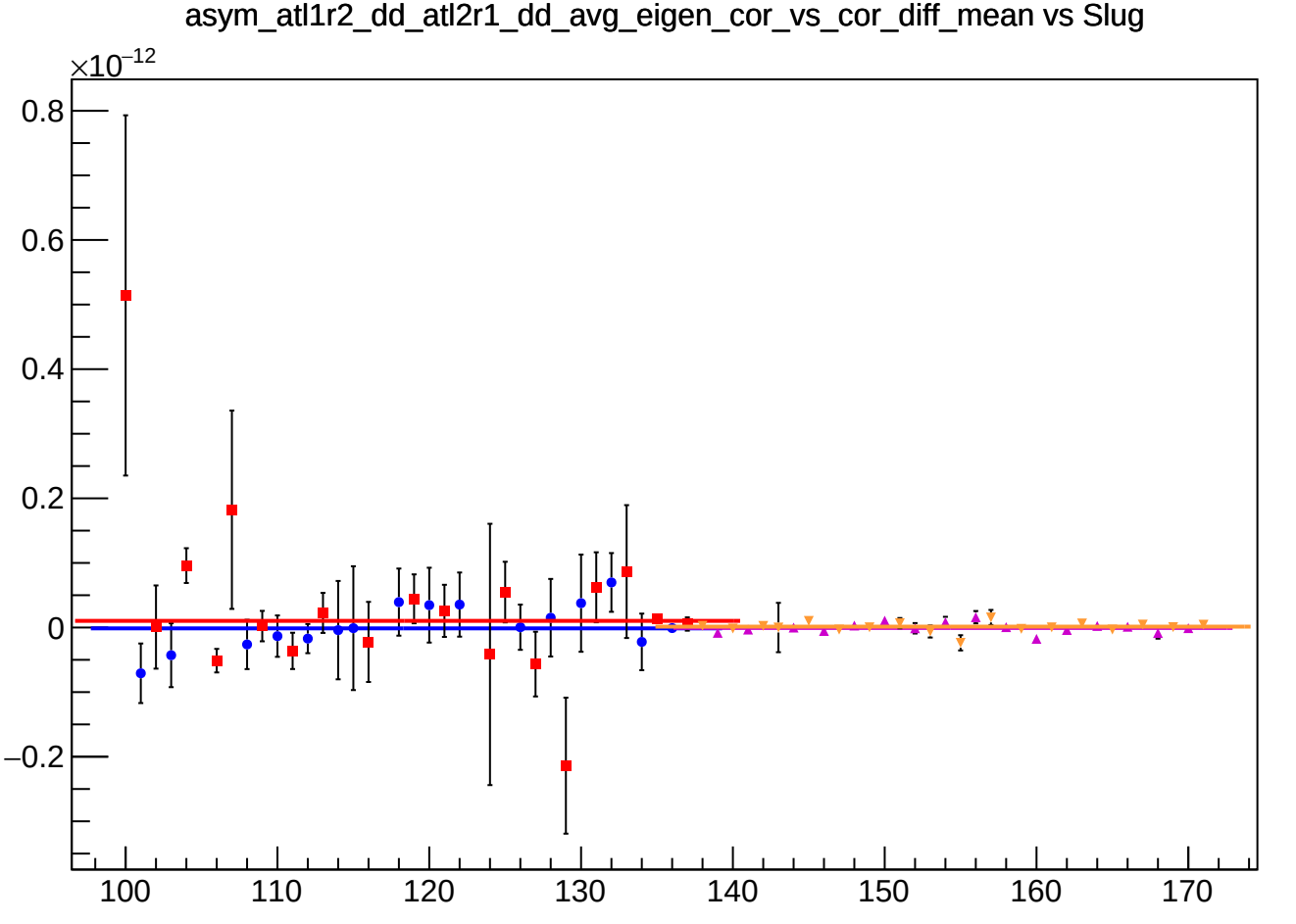
Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

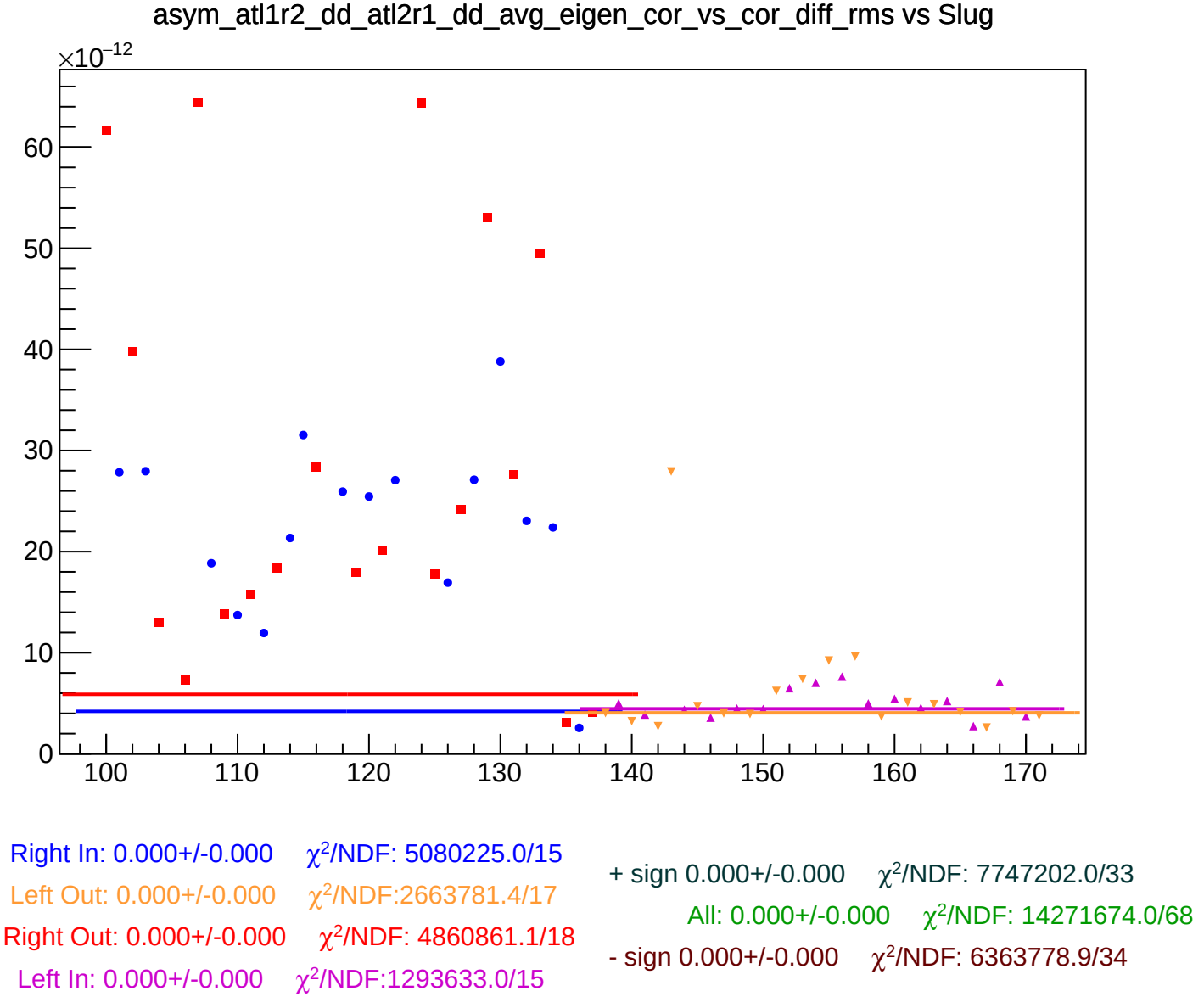
Left In: 31.157+/-0.007 χ^2/NDF:1663416.5/15

+ sign 32.346+/-0.006 χ^2/NDF: 5787498.8/33

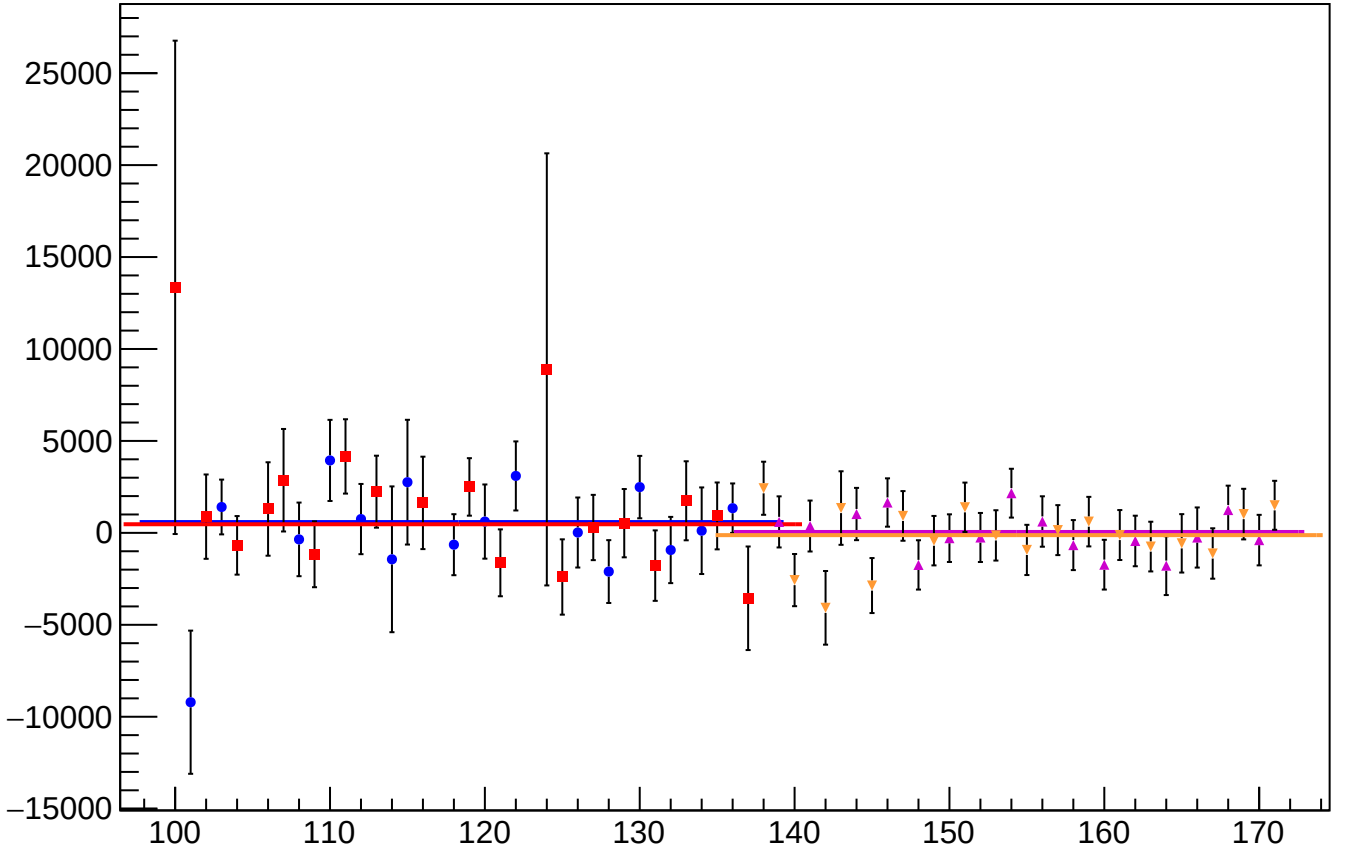
All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

- sign 32.146+/-0.006 χ^2/NDF: 4656500.5/34


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 39.9/18
Left In: -0.000+/-0.000 χ²/NDF:18.3/15
+ sign 0.000+/-0.000 χ²/NDF: 22.2/33
All: 0.000+/-0.000 χ²/NDF: 86.5/68
- sign 0.000+/-0.000 χ²/NDF: 64.3/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2663781.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1293633.0/15
+ sign 0.000+/-0.000 χ²/NDF: 7747202.0/33
All: 0.000+/-0.000 χ²/NDF: 14271674.0/68
- sign 0.000+/-0.000 χ²/NDF: 6363778.9/34

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.603+/-336.112 χ^2/NDF:19.5/17

Right Out: 469.012+/-480.516 χ^2/NDF: 16.9/18

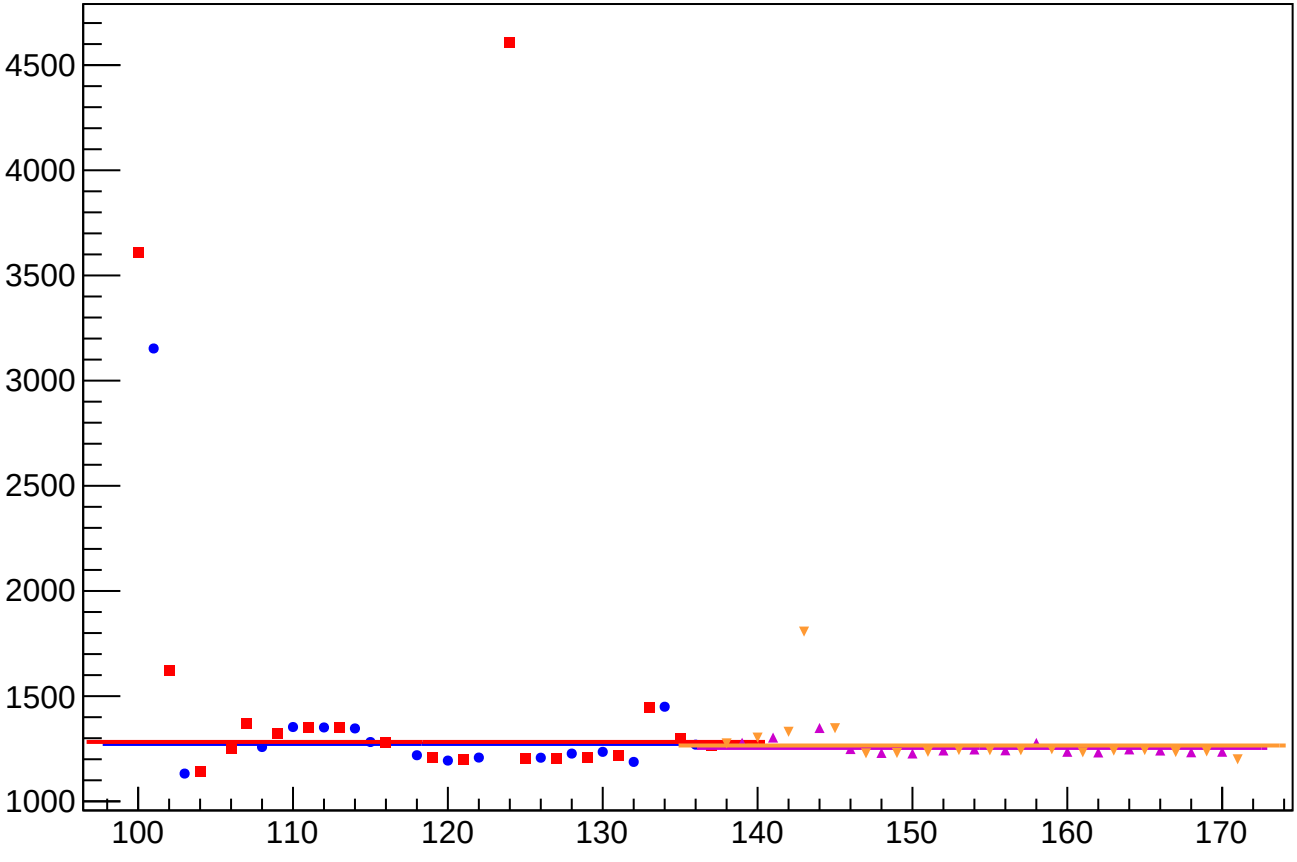
Left In: 48.296+/-344.934 χ^2/NDF:11.2/15

+ sign 108.585+/-275.781 χ^2/NDF: 38.0/33

All: 149.316+/-196.554 χ^2/NDF: 66.6/68

- sign 191.367+/-280.213 χ^2/NDF: 28.5/34

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.9/17

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

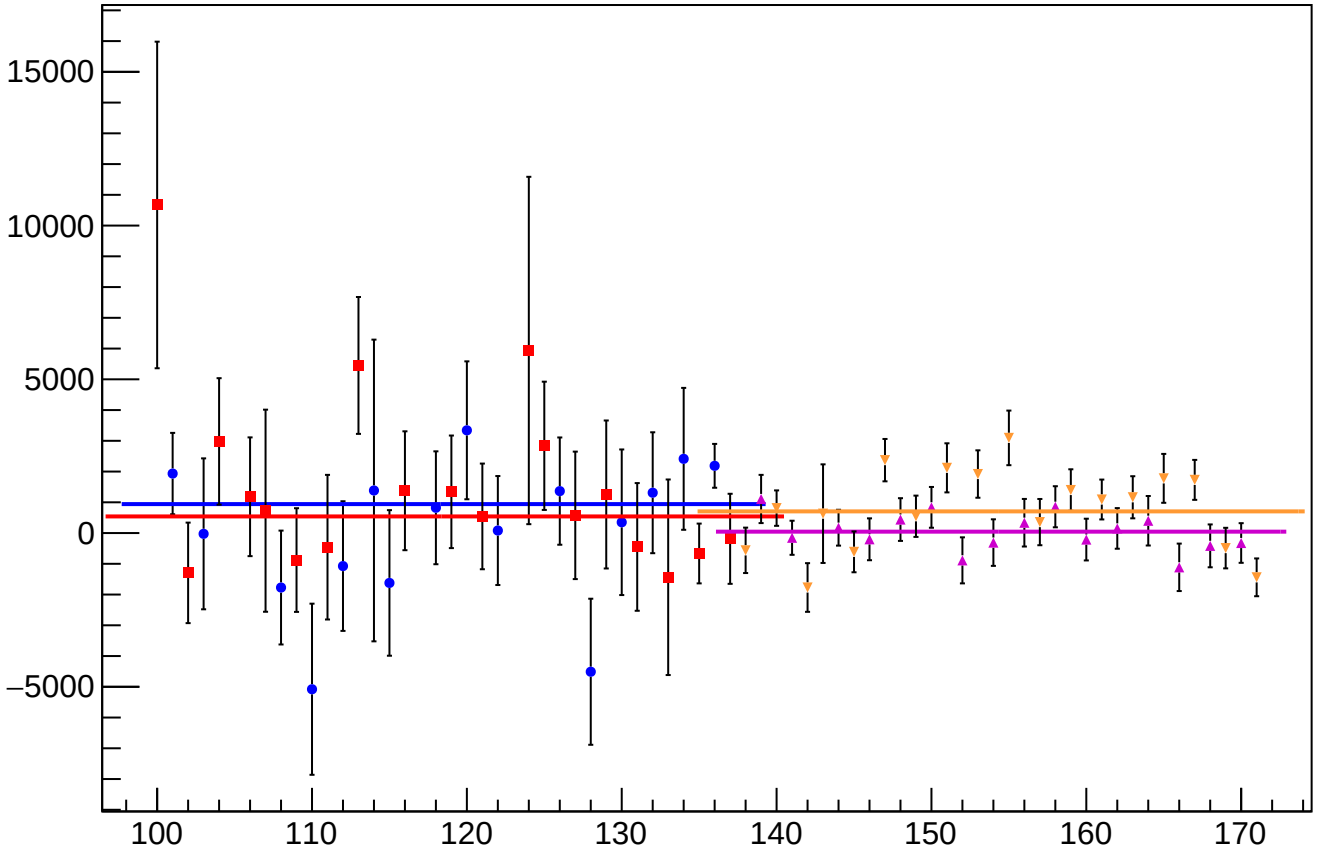
Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690721.7/33

All: 1265.722+/-0.139 χ^2/NDF: 1034023.5/68

- sign 1263.553+/-0.198 χ^2/NDF: 343065.9/34

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 704.776+/-168.260 χ^2/NDF:57.3/17

Right Out: 540.622+/-439.905 χ^2/NDF: 17.2/18

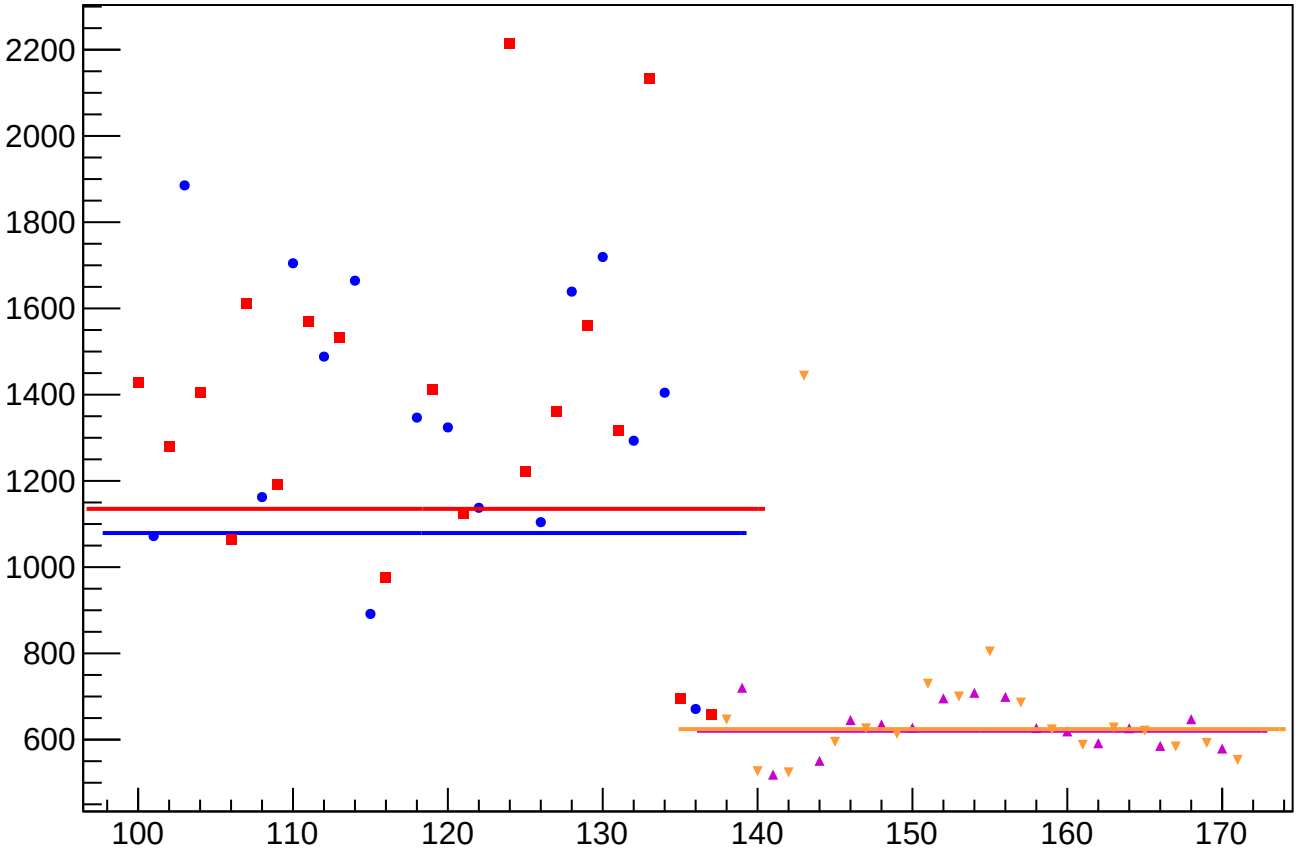
Left In: 45.247+/-171.719 χ^2/NDF:10.7/15

+ sign 736.779+/-156.487 χ^2/NDF: 77.5/33

All: 430.641+/-111.862 χ^2/NDF: 114.3/68

- sign 110.750+/-159.964 χ^2/NDF: 28.9/34

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: 624.370+/-0.119 χ^2/NDF:813716.4/17

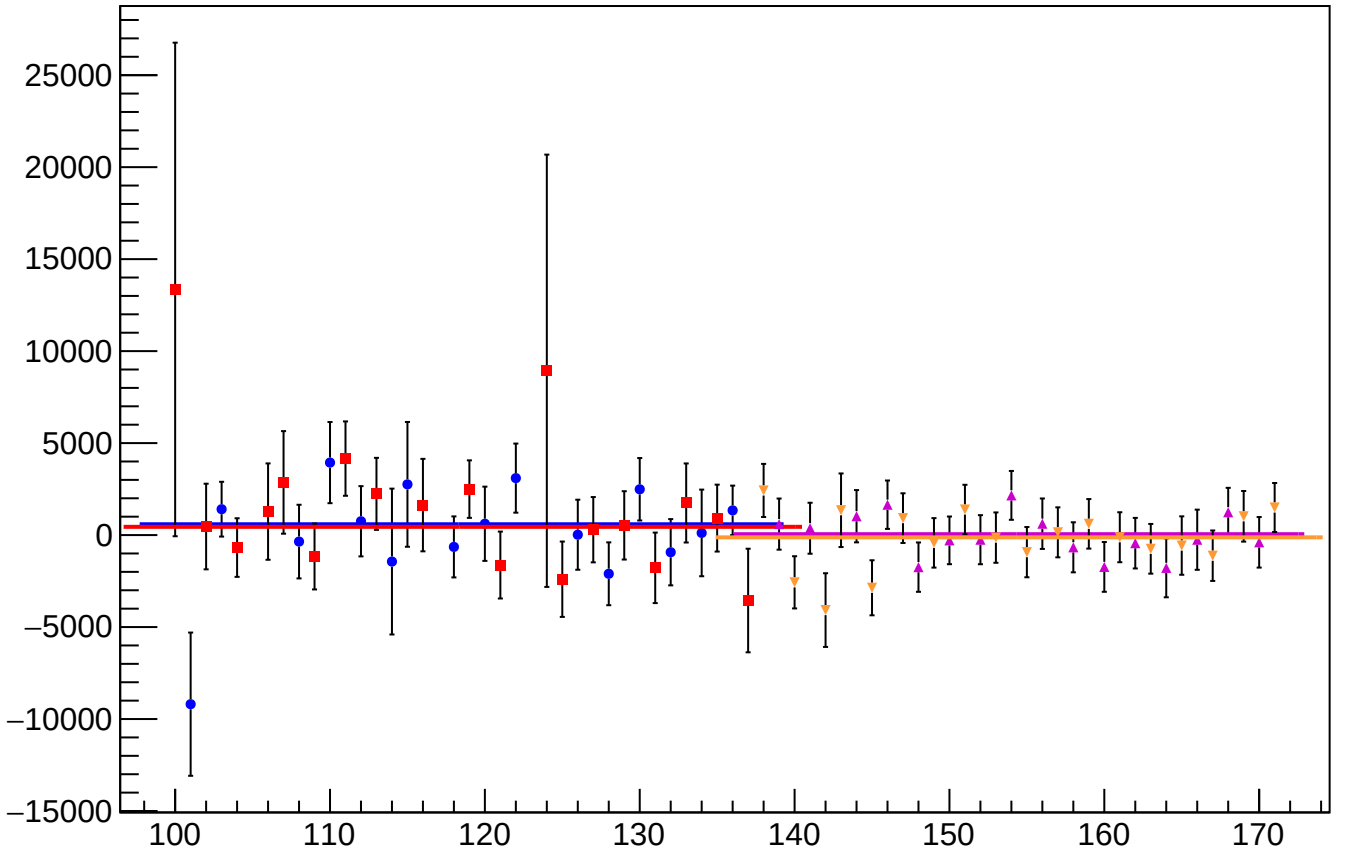
Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 620.511+/-0.121 χ^2/NDF:219548.1/15

\+ sign 685.780+/-0.111 χ^2/NDF: 4268751.9/33

All: 687.141+/-0.079 χ^2/NDF: 8157116.6/68

\- sign 688.562+/-0.113 χ^2/NDF: 3888055.6/34



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

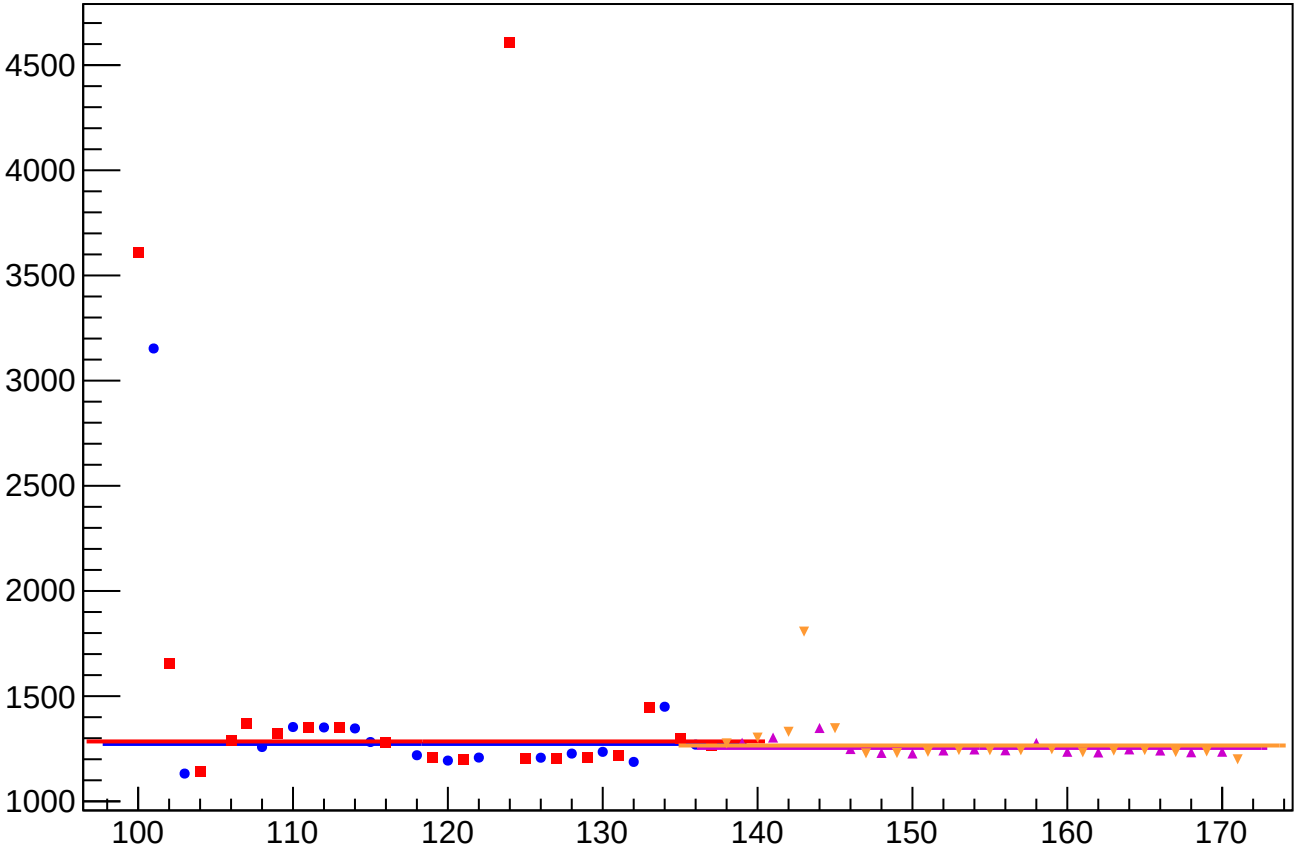
Left In: 48.349+/-344.934 χ^2/NDF:11.2/15

\+ sign 108.645+/-275.781 χ^2/NDF: 38.0/33

All: 145.745+/-196.610 χ^2/NDF: 66.5/68

\- sign 184.091+/-280.374 χ^2/NDF: 28.4/34

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

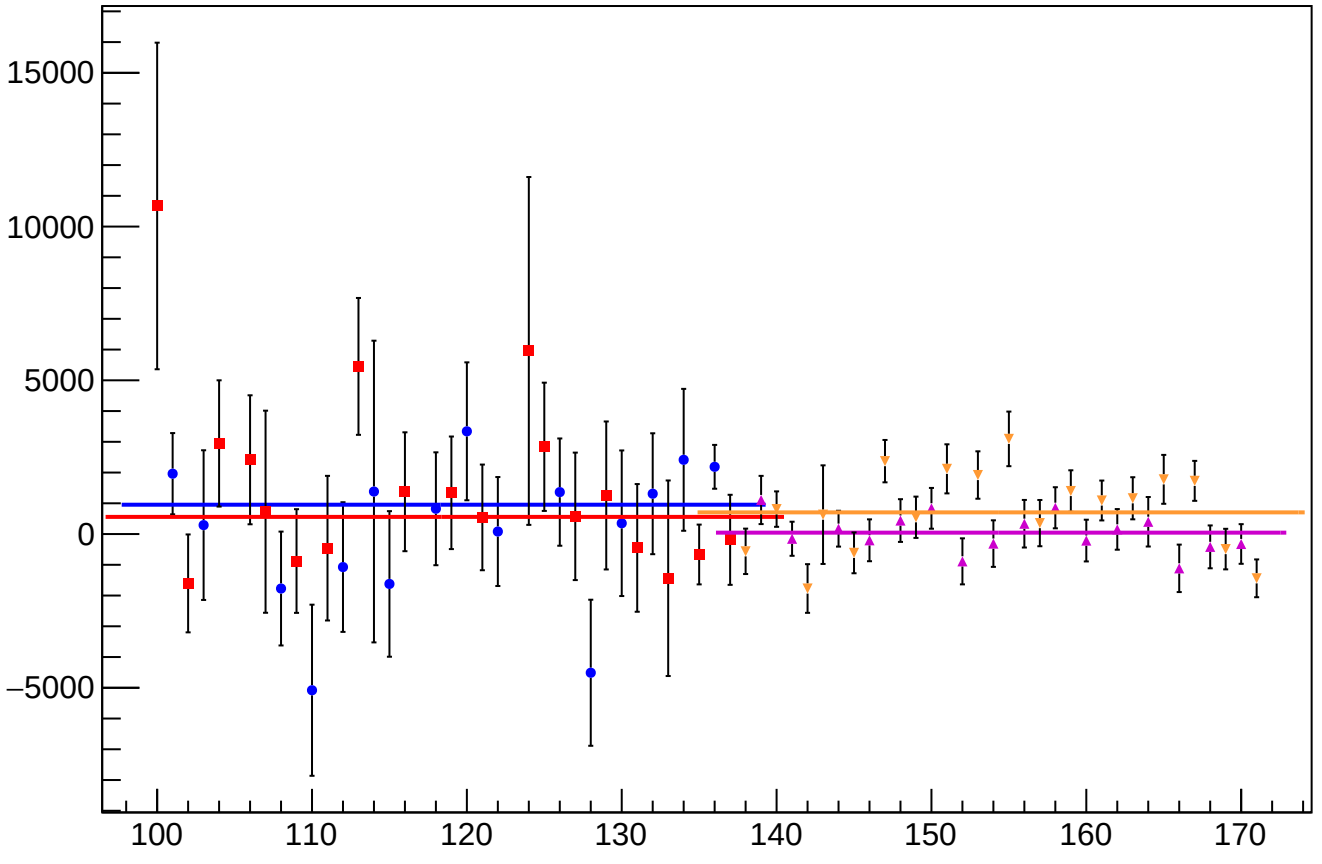
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690723.1/33

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68

- sign 1264.309+/-0.198 χ^2/NDF: 350486.1/34



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

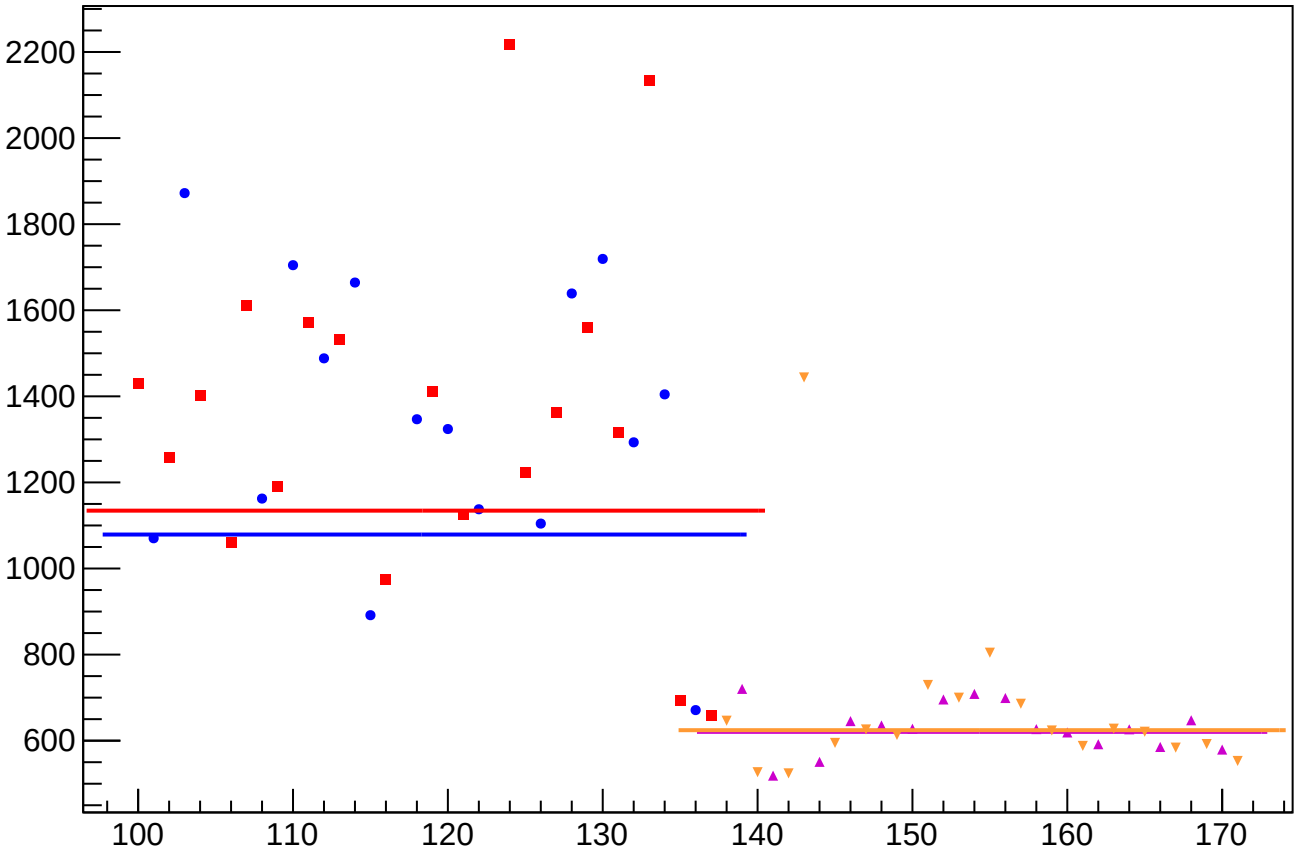
Right Out: 557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: 45.226+/-171.718 χ^2/NDF:10.7/15

+ sign 738.470+/-156.479 χ^2/NDF: 77.5/33

All: 432.598+/-111.873 χ^2/NDF: 115.5/68

- sign 112.792+/-160.004 χ^2/NDF: 30.2/34



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 624.375+/-0.119 χ^2/NDF:813628.8/17

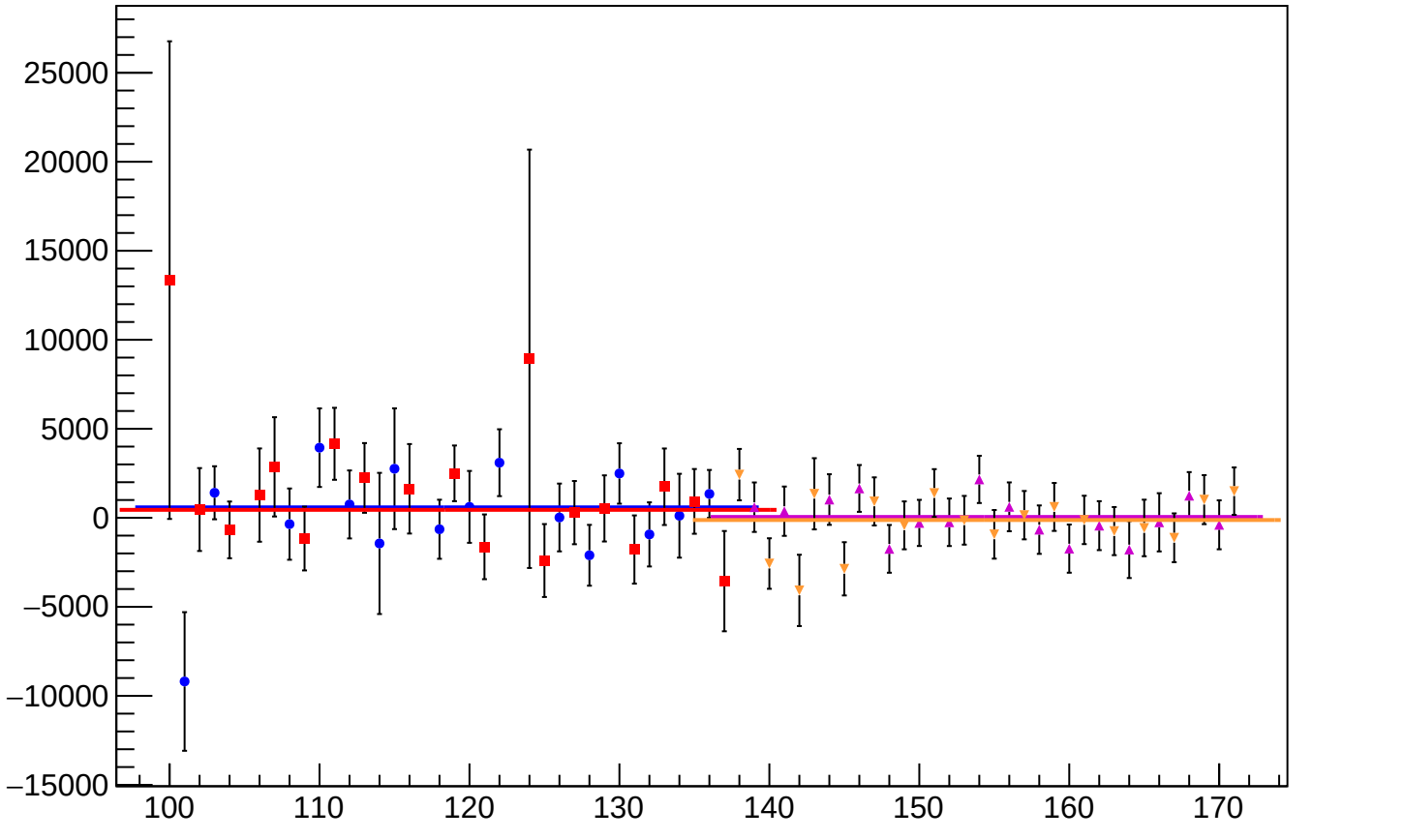
Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

\+ sign 685.804+/-0.111 χ^2/NDF: 4264888.3/33

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68

\- sign 688.233+/-0.113 χ^2/NDF: 3869239.1/34



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: 448.412+/-481.333 χ^2/NDF: 16.8/18

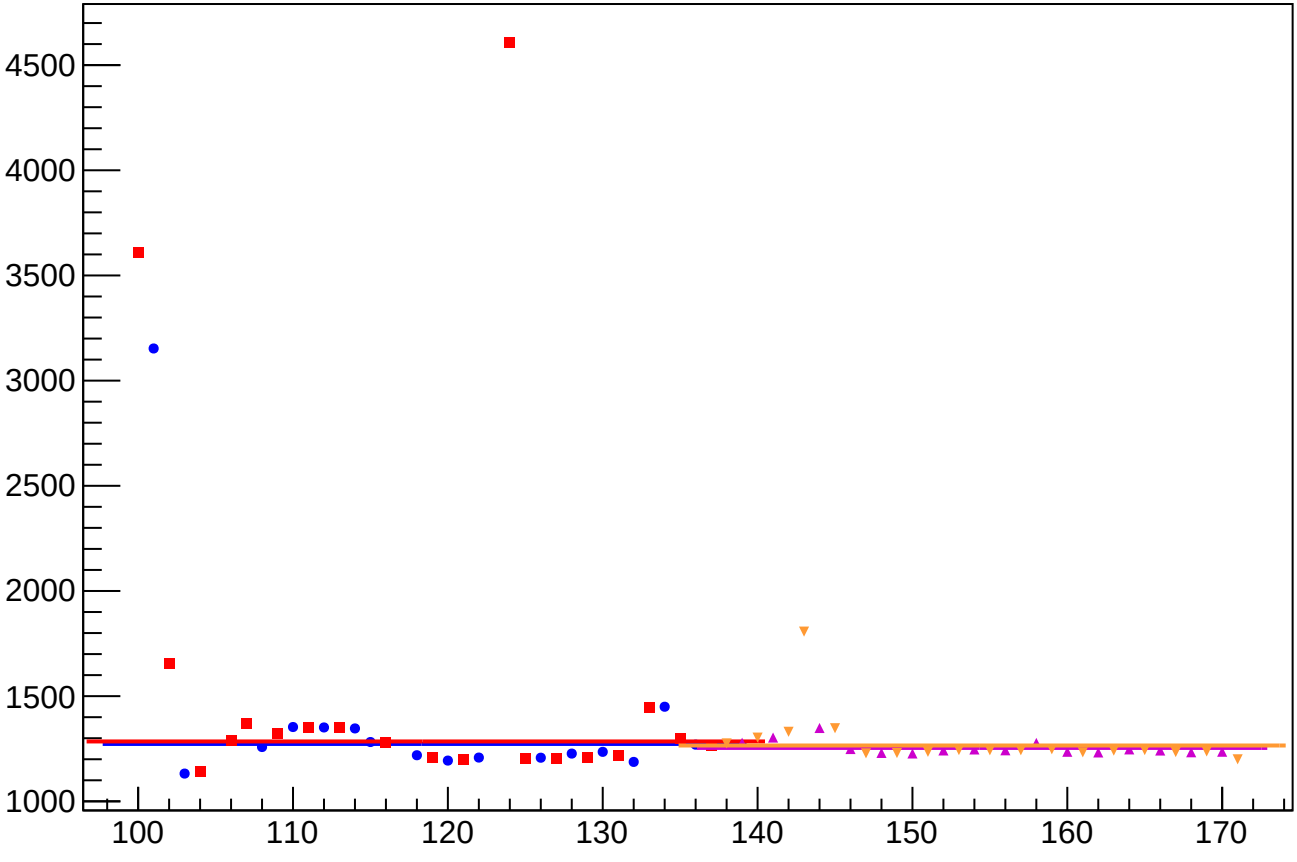
Left In: 48.349+/-344.934 χ^2/NDF:11.2/15

\+ sign 108.645+/-275.781 χ^2/NDF: 38.0/33

All: 145.745+/-196.610 χ^2/NDF: 66.5/68

\- sign 184.091+/-280.374 χ^2/NDF: 28.4/34

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: 1265.405+/-0.238 χ^2/NDF:171106.8/17

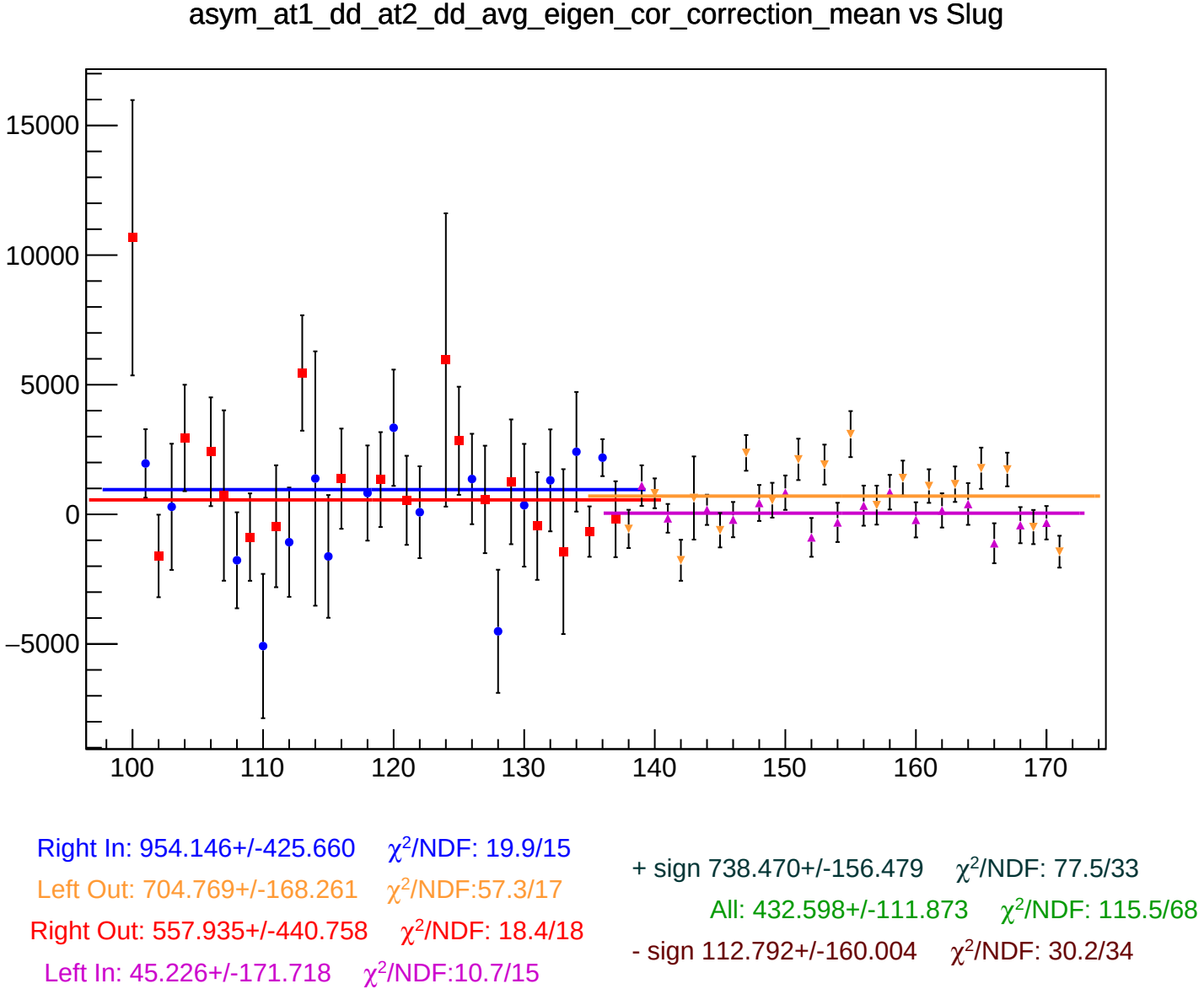
Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

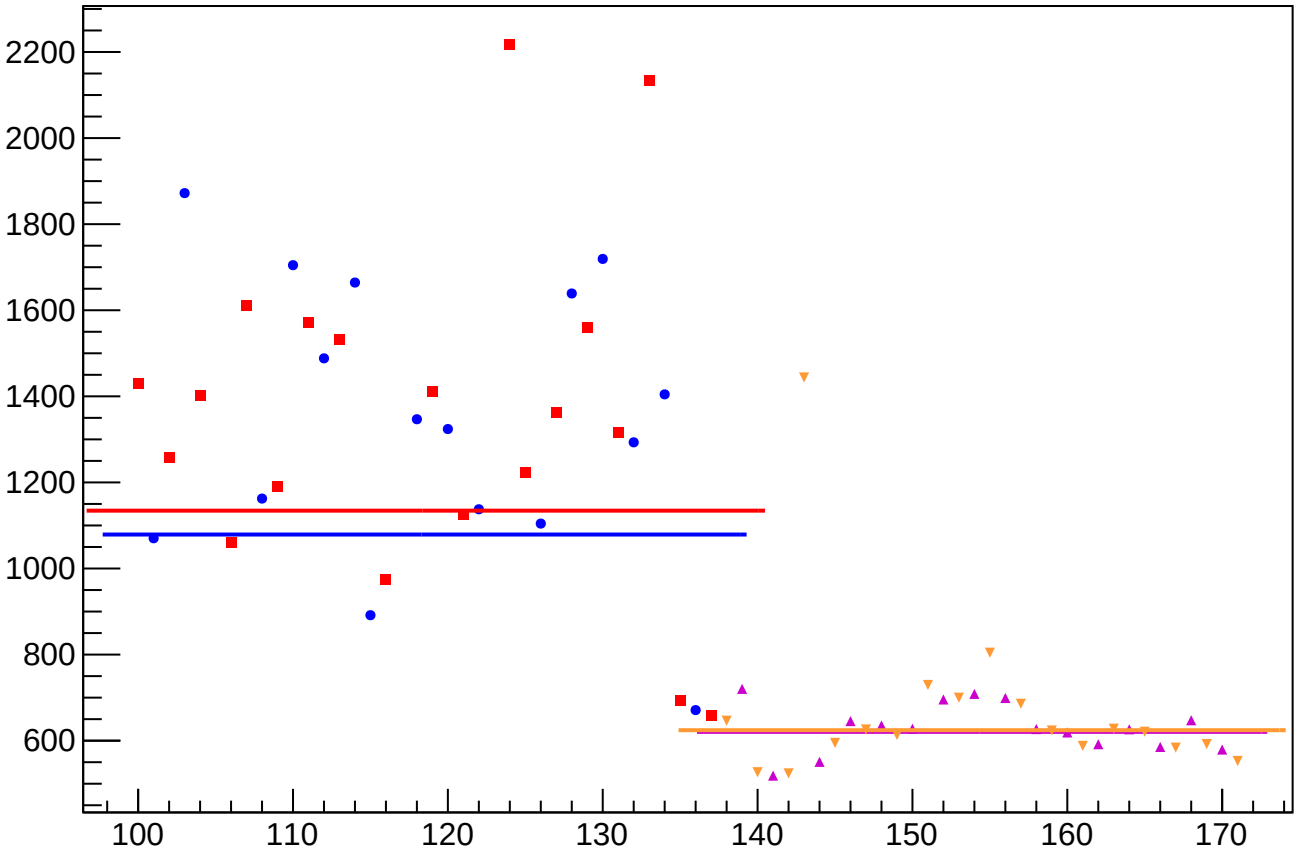
Left In: 1253.860+/-0.244 χ^2/NDF:16342.5/15

+ sign 1267.823+/-0.195 χ^2/NDF: 690723.1/33

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68

- sign 1264.309+/-0.198 χ^2/NDF: 350486.1/34


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 704.769+/-168.261 χ²/NDF:57.3/17
Right Out: 557.935+/-440.758 χ²/NDF: 18.4/18
Left In: 45.226+/-171.718 χ²/NDF:10.7/15
+ sign 738.470+/-156.479 χ²/NDF: 77.5/33
All: 432.598+/-111.873 χ²/NDF: 115.5/68
- sign 112.792+/-160.004 χ²/NDF: 30.2/34



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

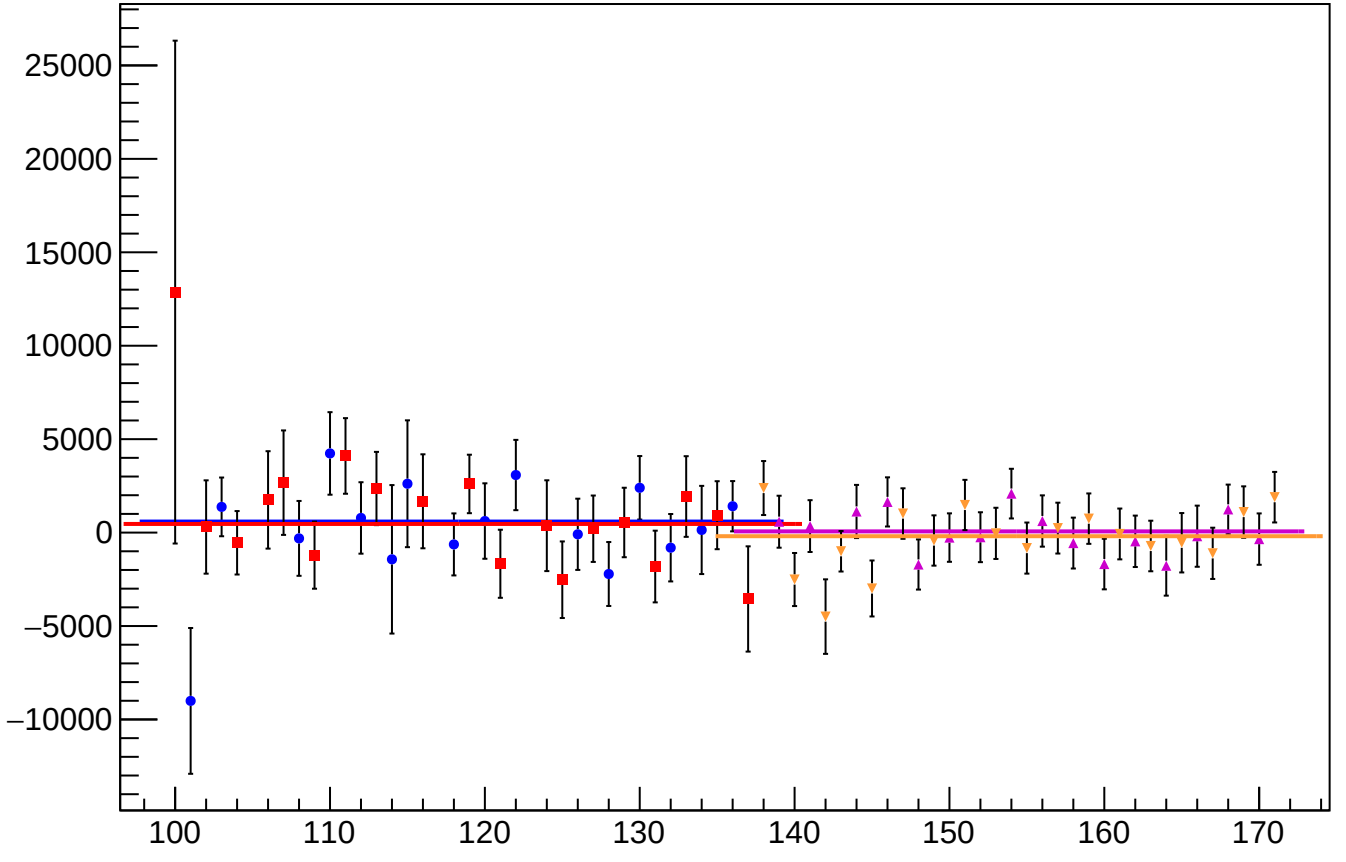
Left In: 620.506+/-0.121 χ^2/NDF:219582.8/15

\+ sign 685.804+/-0.111 χ^2/NDF: 4264888.3/33

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68

\- sign 688.233+/-0.113 χ^2/NDF: 3869239.1/34

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.203+/-325.732 χ^2/NDF:21.7/17

Right Out: 462.606+/-476.795 χ^2/NDF: 16.7/18

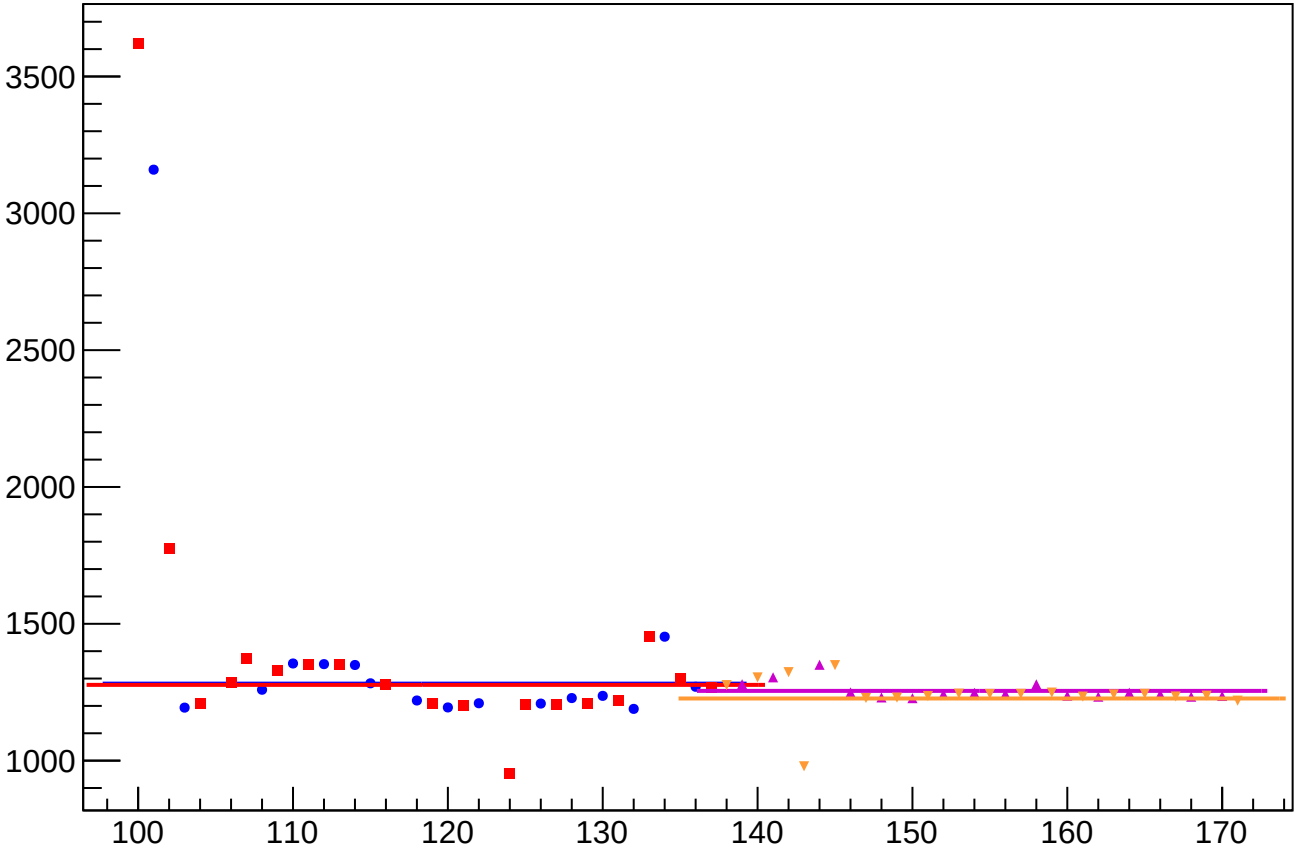
Left In: 65.098+/-345.215 χ^2/NDF:10.8/15

+ sign 50.022+/-270.490 χ^2/NDF: 40.6/33

All: 123.399+/-194.412 χ^2/NDF: 68.6/68

- sign 201.812+/-279.618 χ^2/NDF: 27.9/34

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.8/17

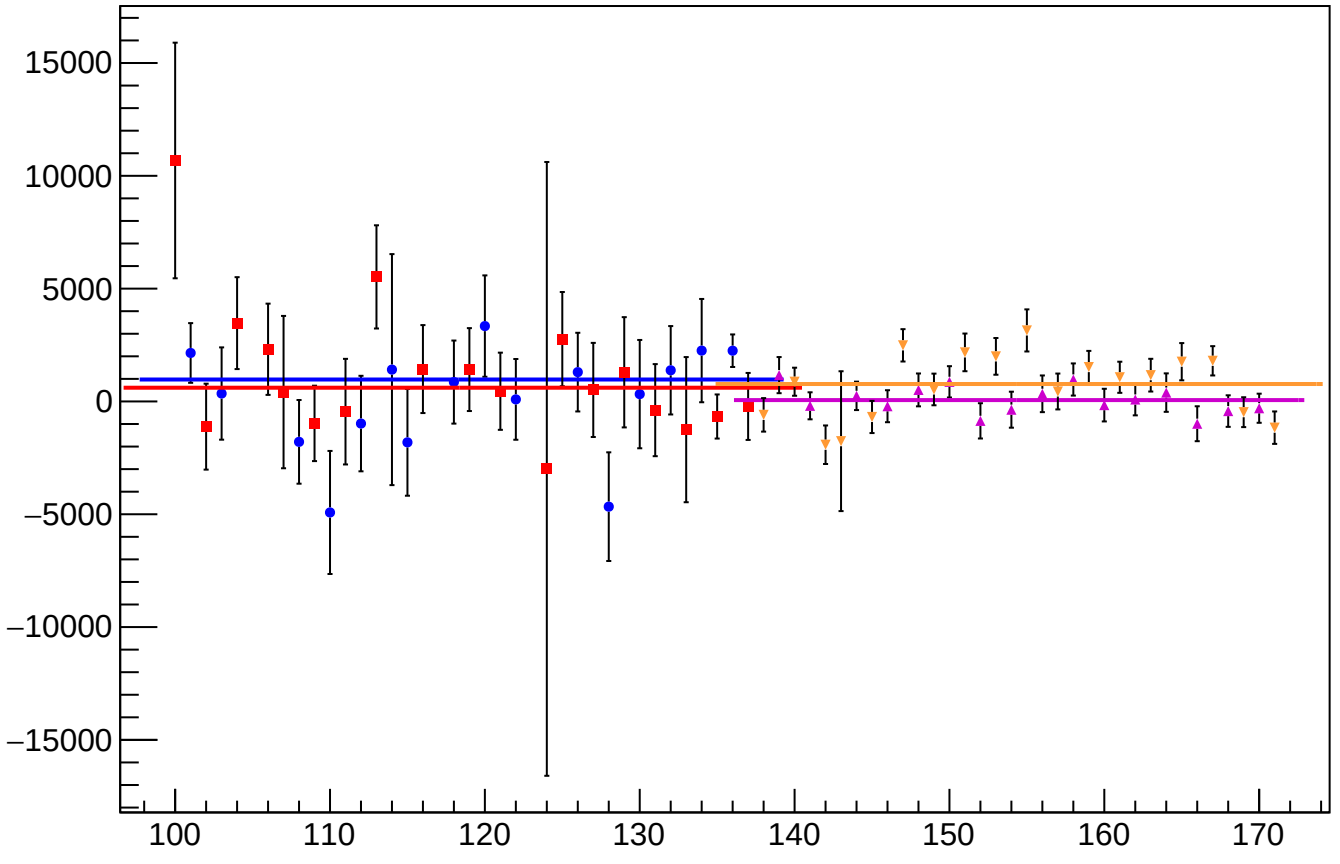
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

+ sign 1243.958+/-0.191 χ^2/NDF: 657272.0/33

All: 1252.891+/-0.137 χ^2/NDF: 901572.8/68

- sign 1262.438+/-0.198 χ^2/NDF: 239788.0/34



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 772.412+/-178.147 χ^2/NDF:52.1/17

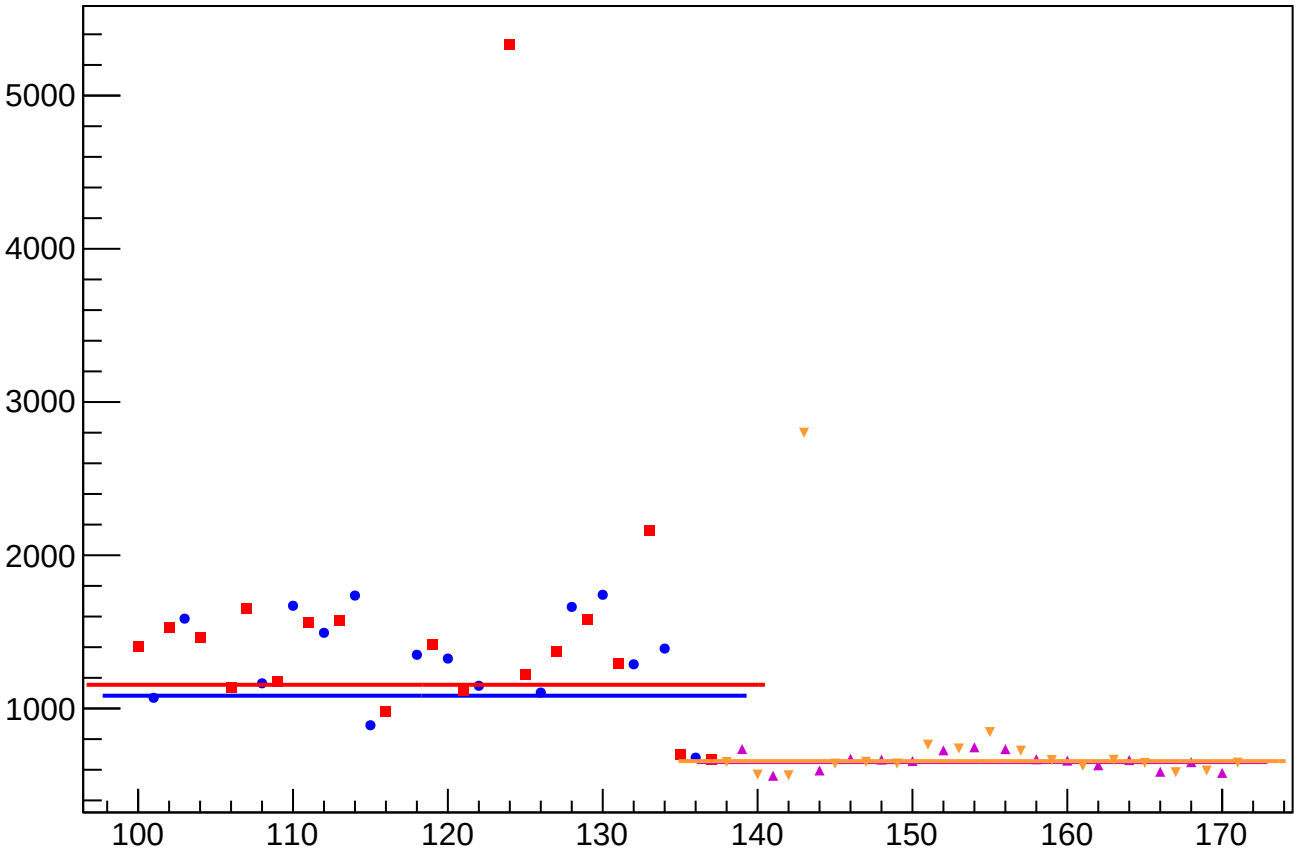
Right Out: 608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: 59.943+/-179.784 χ^2/NDF:10.4/15

+ sign 802.257+/-164.309 χ^2/NDF: 72.8/33

All: 474.261+/-117.067 χ^2/NDF: 109.6/68

- sign 136.099+/-166.836 χ^2/NDF: 28.8/34



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220528.3/17

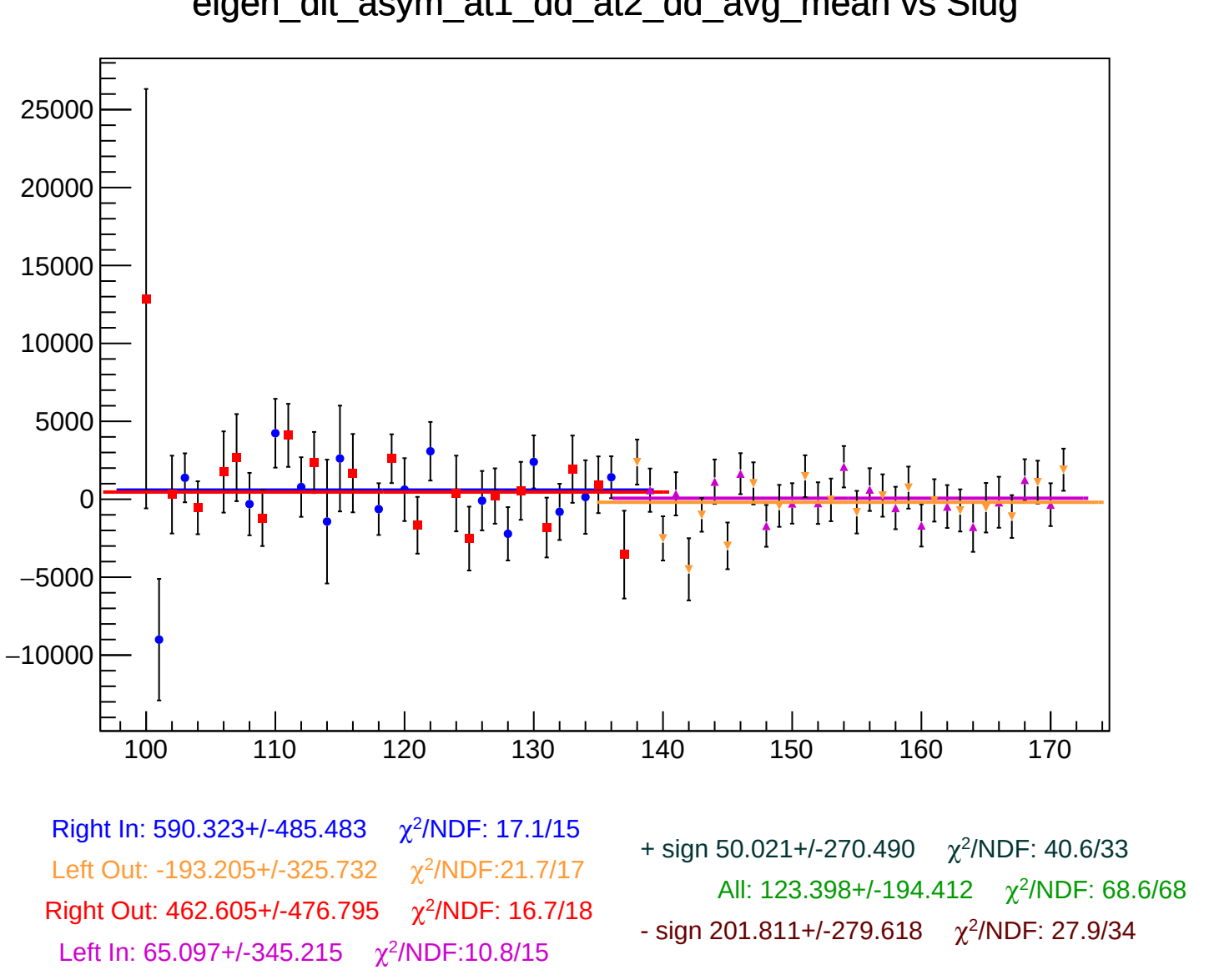
Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 650.105+/-0.127 χ^2/NDF:196459.3/15

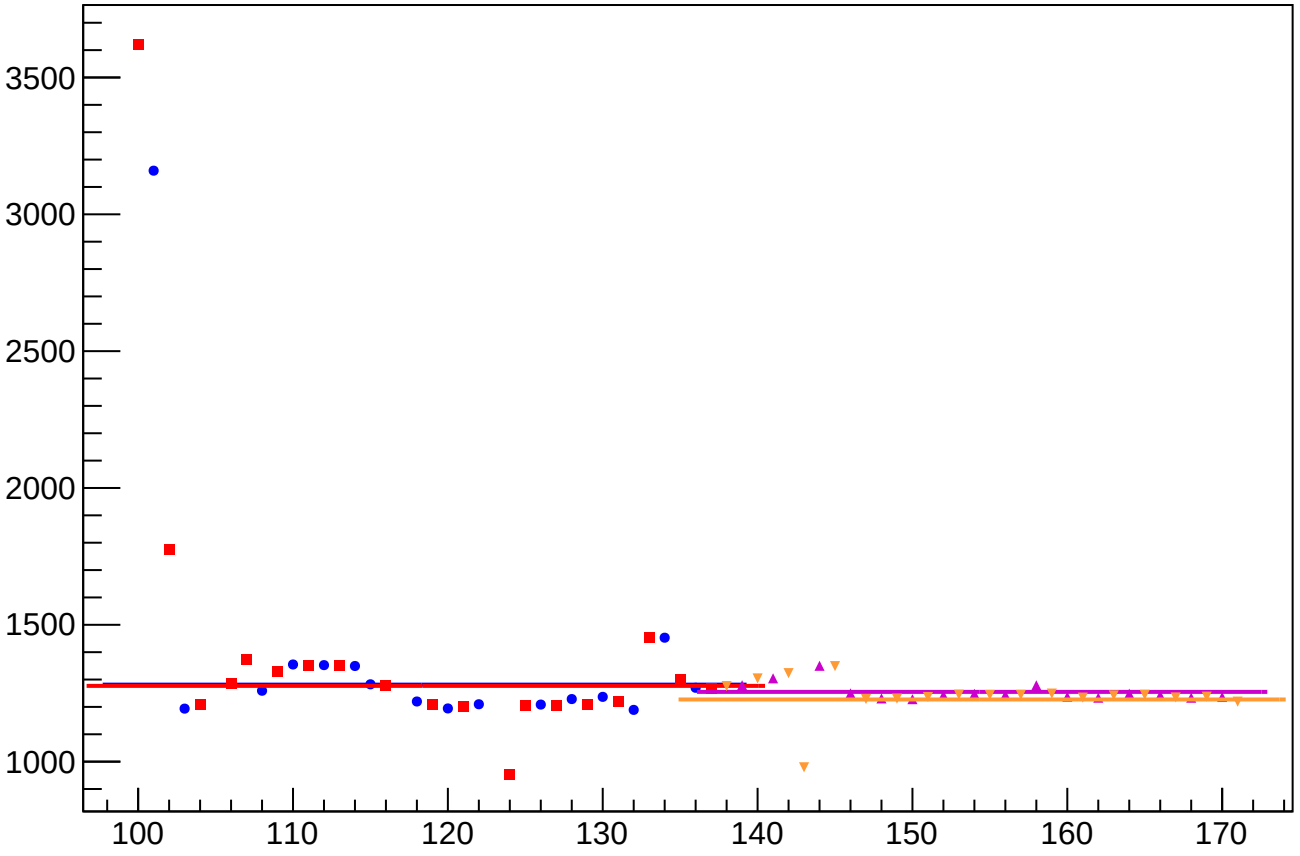
+ sign 720.192+/-0.116 χ^2/NDF: 4295392.8/33

All: 720.181+/-0.083 χ^2/NDF: 8167904.6/68

- sign 720.170+/-0.118 χ^2/NDF: 3872511.8/34


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -193.205+/-325.732 χ²/NDF:21.7/17
Right Out: 462.605+/-476.795 χ²/NDF: 16.7/18
Left In: 65.097+/-345.215 χ²/NDF:10.8/15
+ sign 50.021+/-270.490 χ²/NDF: 40.6/33
All: 123.398+/-194.412 χ²/NDF: 68.6/68
- sign 201.811+/-279.618 χ²/NDF: 27.9/34

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: 1227.116+/-0.230 χ^2/NDF:132970.1/17

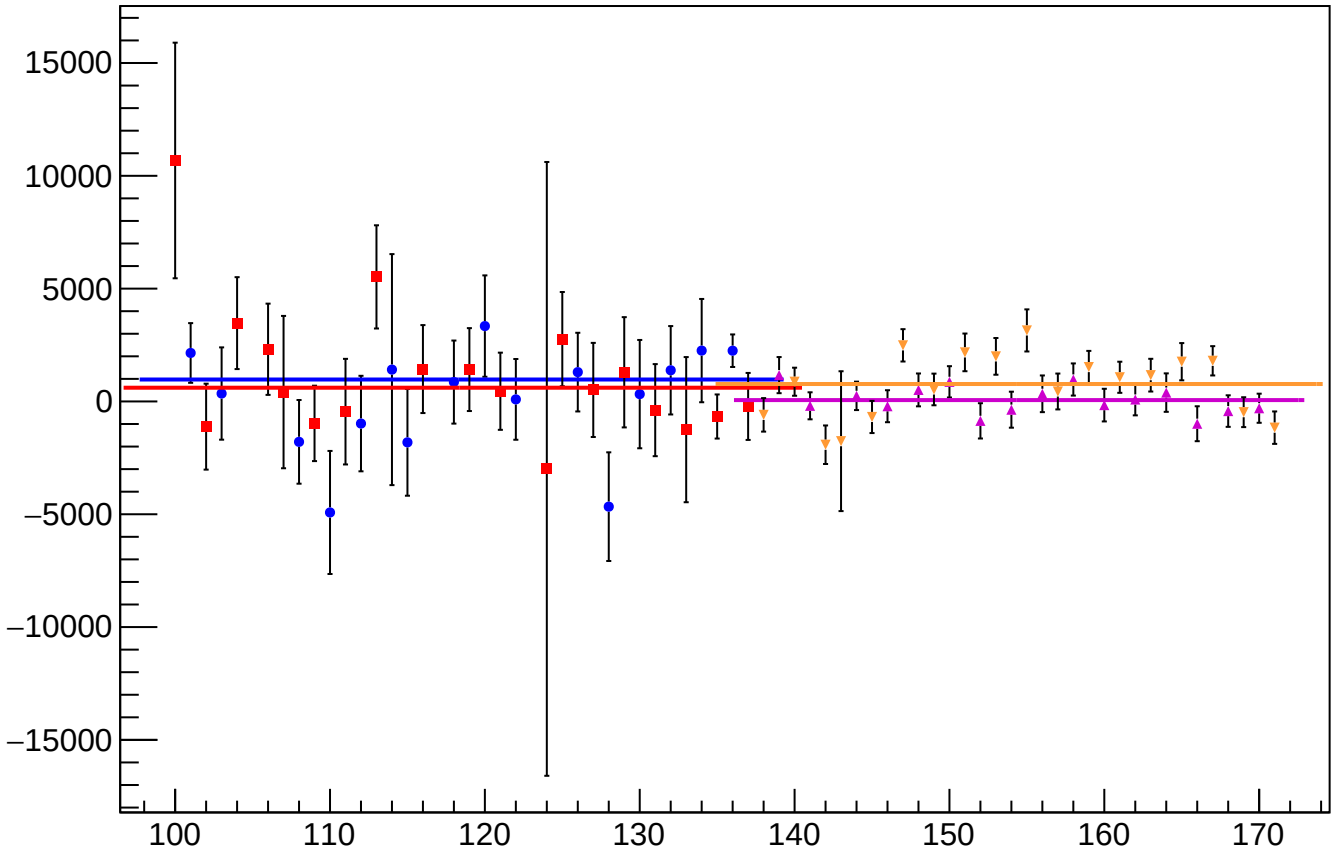
Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1254.877+/-0.244 χ^2/NDF:16485.0/15

+ sign 1243.958+/-0.191 χ^2/NDF: 657271.4/33

All: 1252.891+/-0.137 χ^2/NDF: 901572.0/68

- sign 1262.438+/-0.198 χ^2/NDF: 239787.9/34



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 772.413+/-178.147 χ^2/NDF:52.1/17

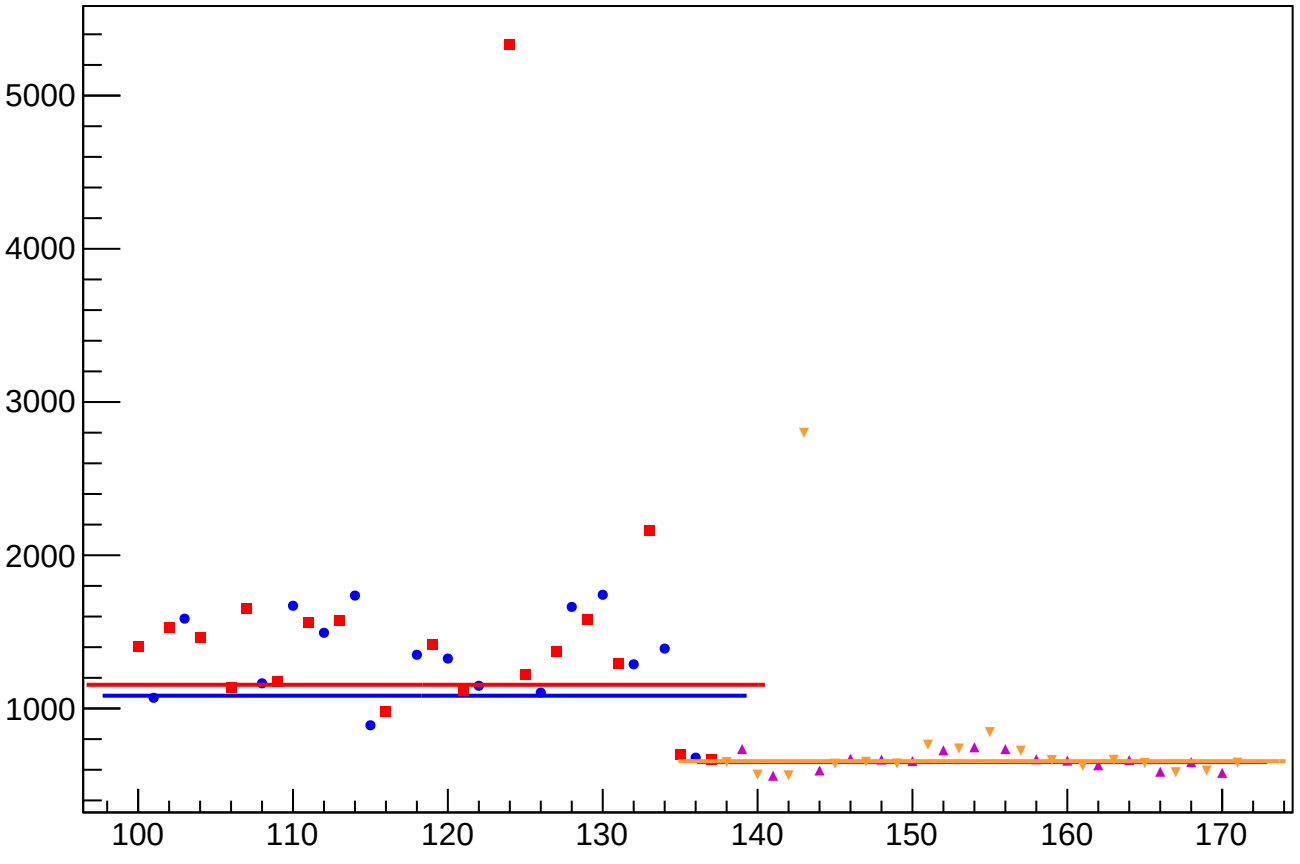
Right Out: 608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: 59.941+/-179.784 χ^2/NDF:10.4/15

+ sign 802.256+/-164.309 χ^2/NDF: 72.8/33

All: 474.260+/-117.067 χ^2/NDF: 109.6/68

- sign 136.098+/-166.836 χ^2/NDF: 28.8/34



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220524.1/17

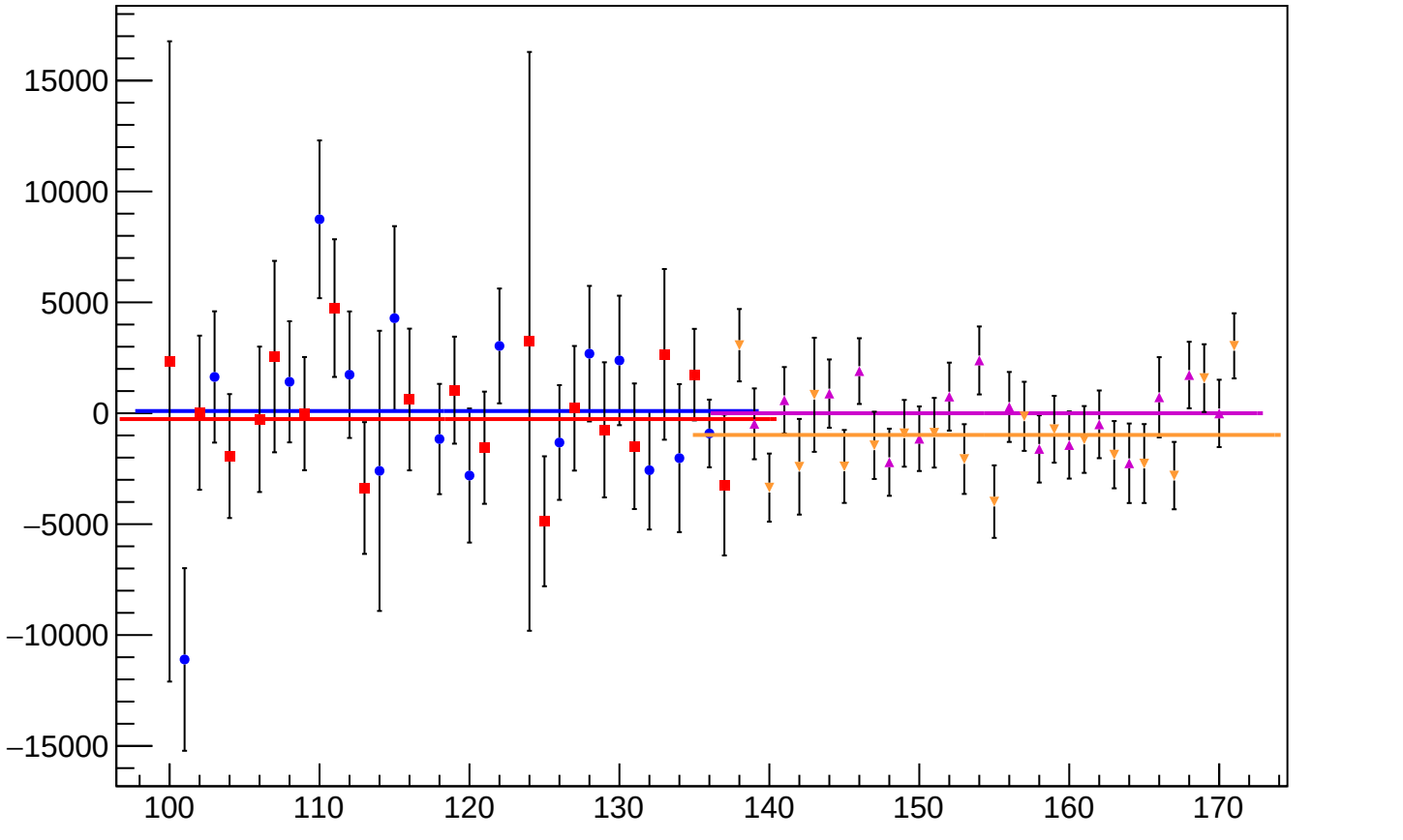
Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 650.104+/-0.127 χ^2/NDF:196462.8/15

+ sign 720.192+/-0.116 χ^2/NDF: 4295371.0/33

All: 720.182+/-0.083 χ^2/NDF: 8167885.7/68

- sign 720.170+/-0.118 χ^2/NDF: 3872514.7/34



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -977.982+/-378.844 χ^2/NDF:27.2/17

Right Out: -262.731+/-699.724 χ^2/NDF: 10.3/18

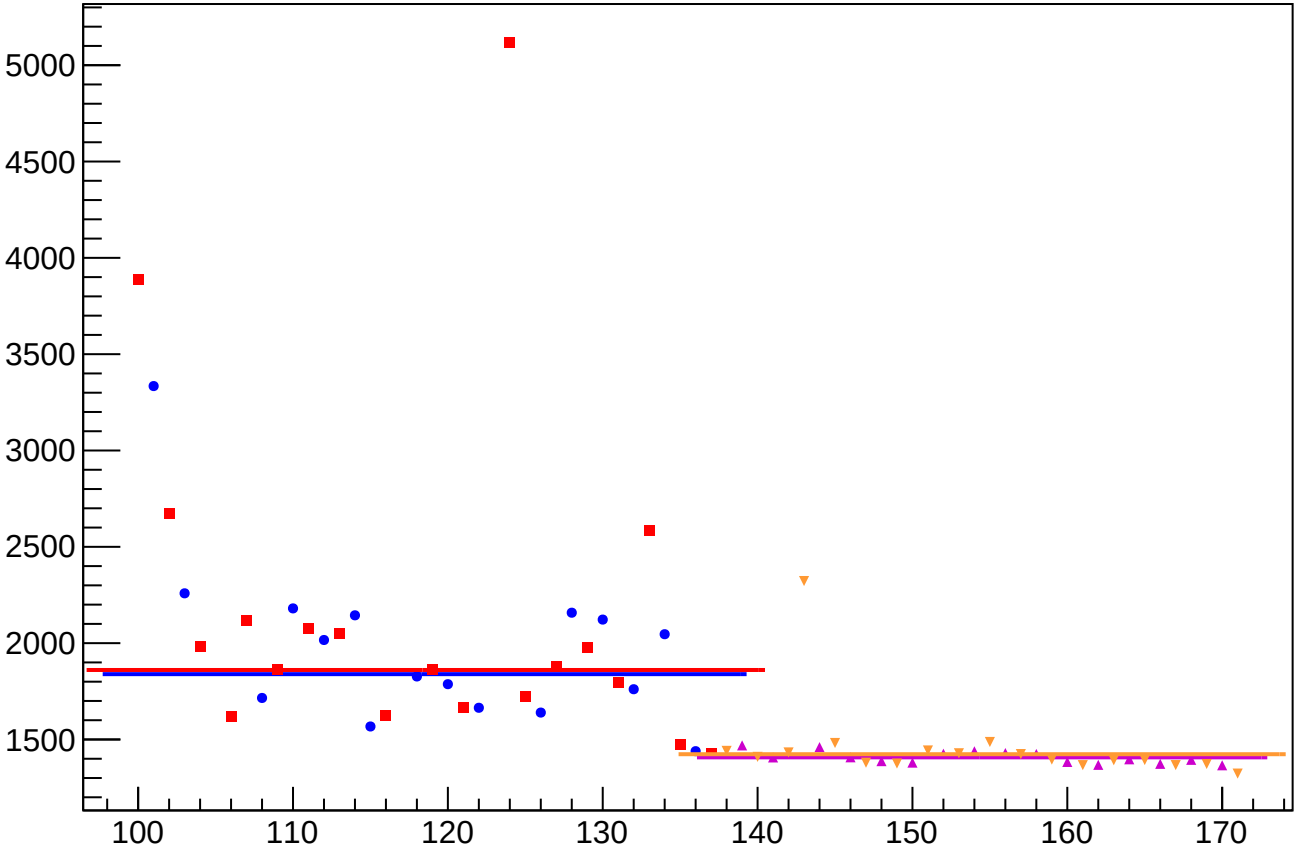
Left In: -0.002+/-387.127 χ^2/NDF:12.8/15

+ sign -733.115+/-333.069 χ^2/NDF: 50.3/33

All: -403.013+/-237.495 χ^2/NDF: 75.6/68

- sign -61.574+/-338.740 χ^2/NDF: 23.3/34

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1423.537+/-0.268 χ^2/NDF:273635.8/17

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

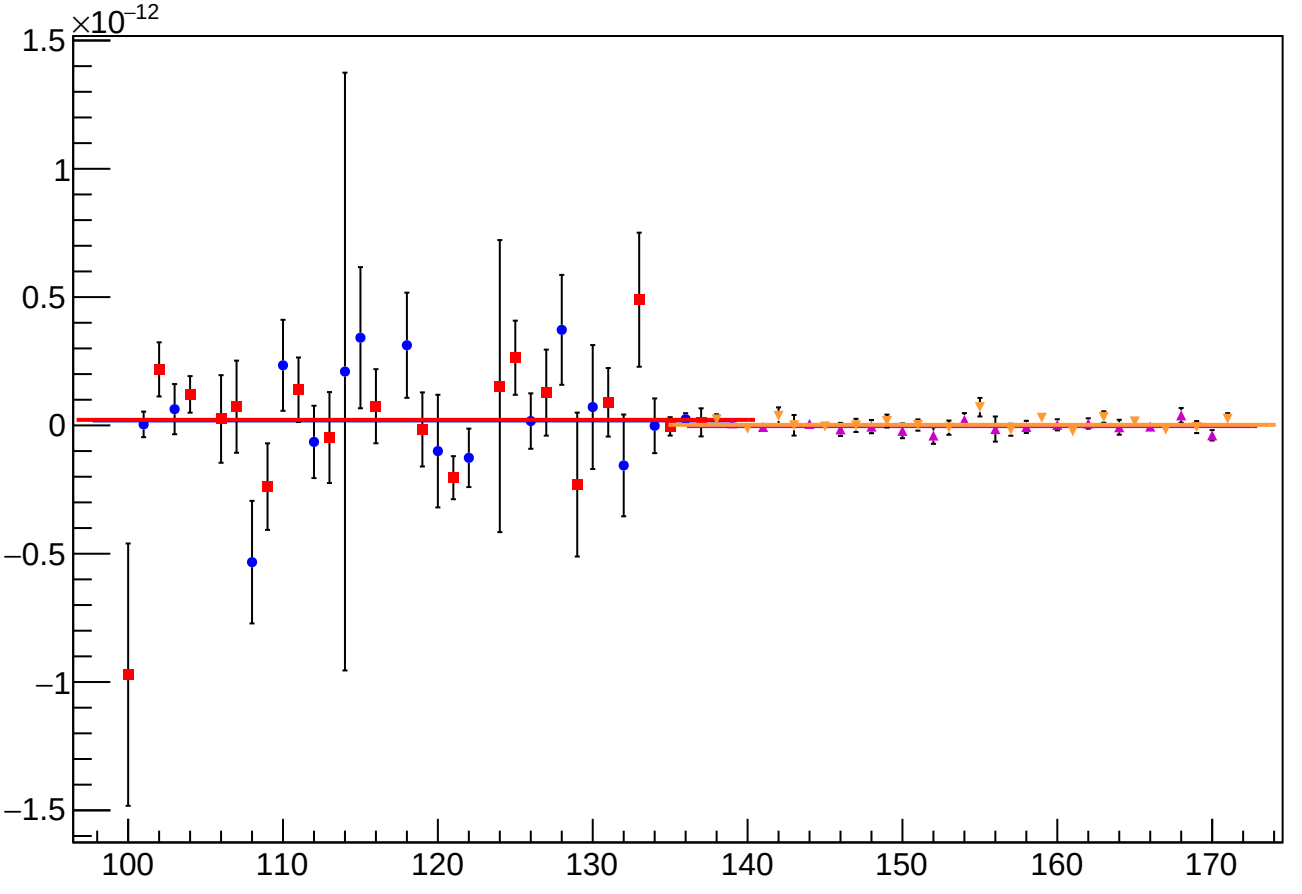
Left In: 1407.223+/-0.274 χ^2/NDF:12431.6/15

+ sign 1517.897+/-0.236 χ^2/NDF: 1376805.3/33

All: 1515.742+/-0.168 χ^2/NDF: 2554835.0/68

- sign 1513.514+/-0.240 χ^2/NDF: 1177859.4/34

asym_at1_dd_at2_dd_avg_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:18.4/17

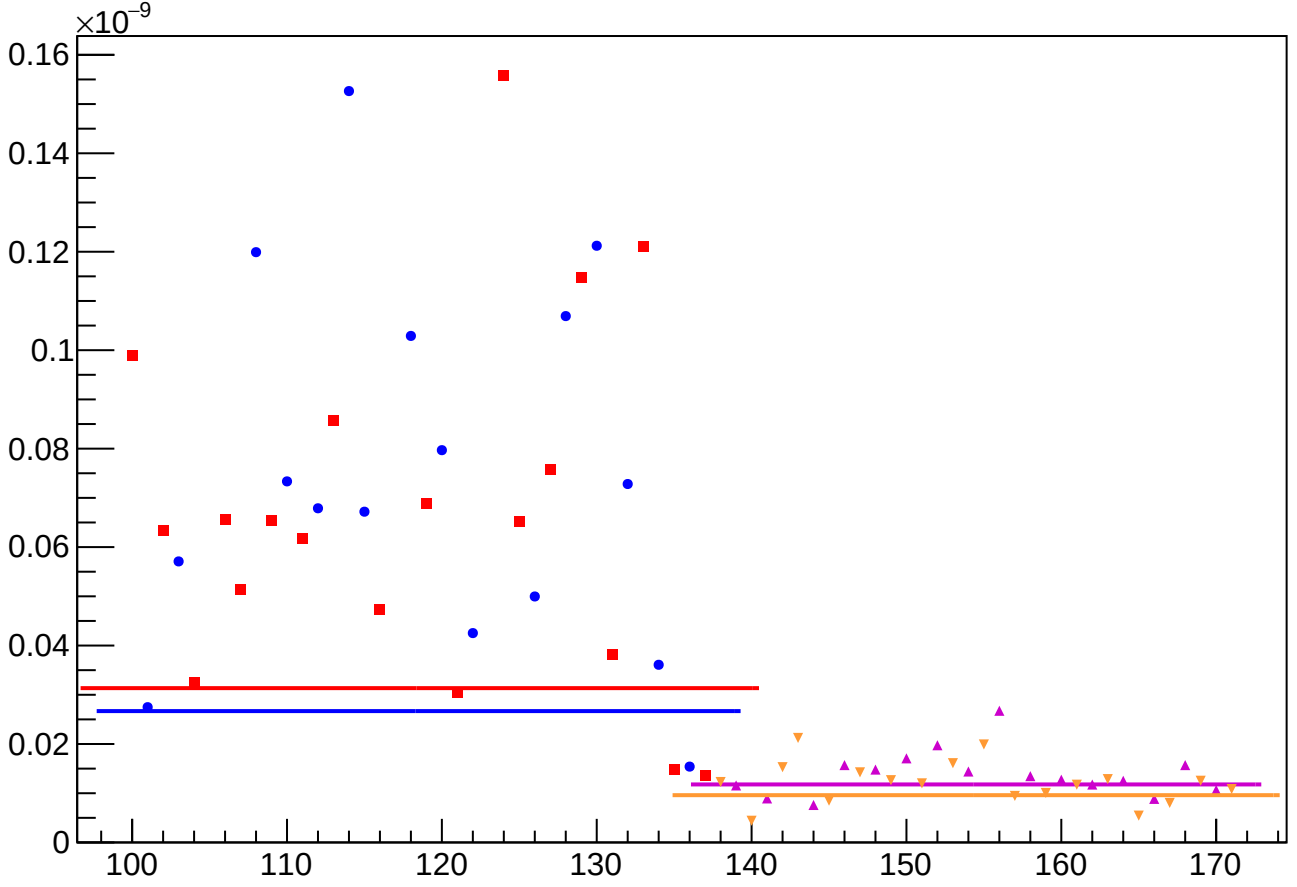
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/33

All: 0.000+/-0.000 χ^2/NDF: 74.6/68

- sign -0.000+/-0.000 χ^2/NDF: 38.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397609.7/17

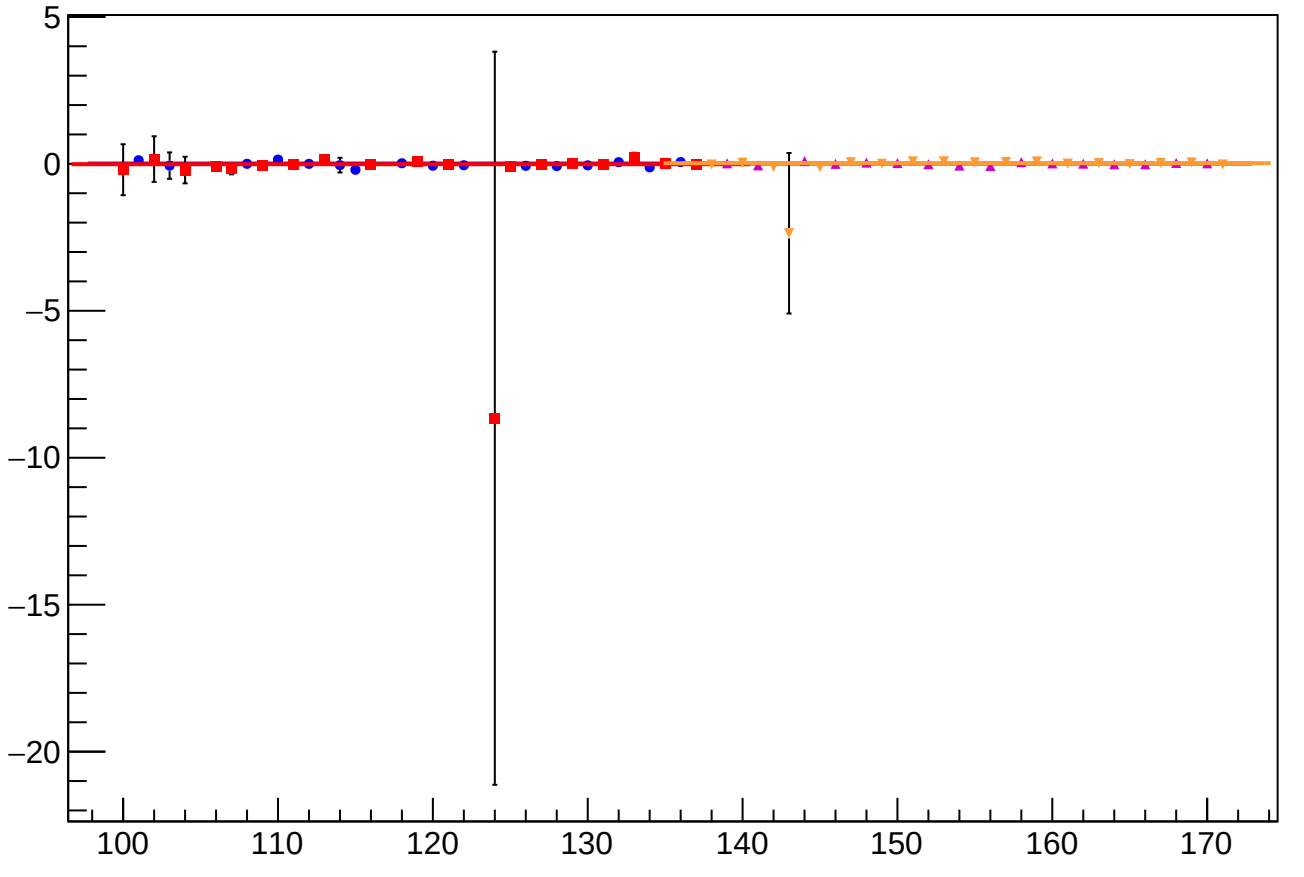
Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831726.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 5532589.4/33

All: 0.000+/-0.000 χ^2/NDF: 10309657.7/68

- sign 0.000+/-0.000 χ^2/NDF: 4558212.3/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

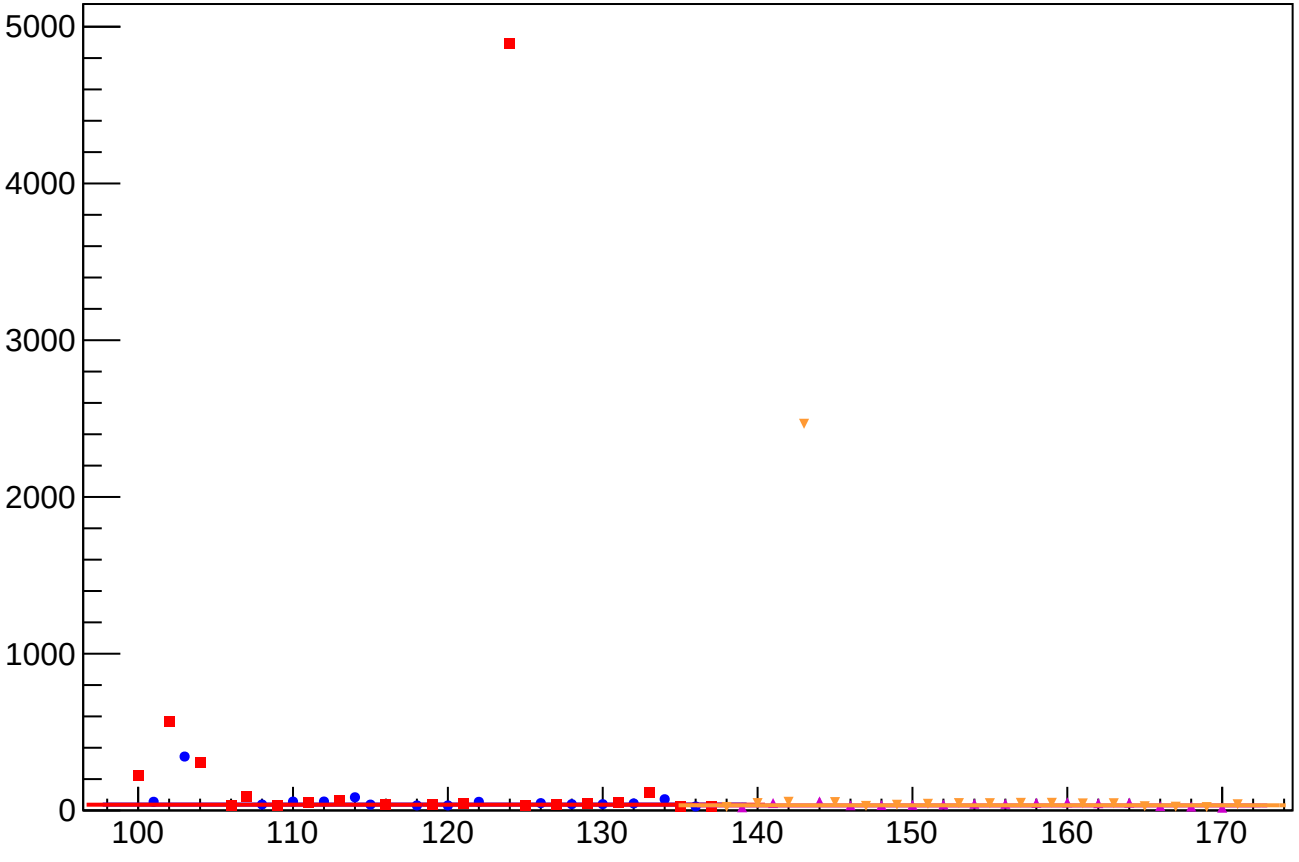
Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34

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: 32.975+/-0.007 χ^2/NDF:3975971.6/17

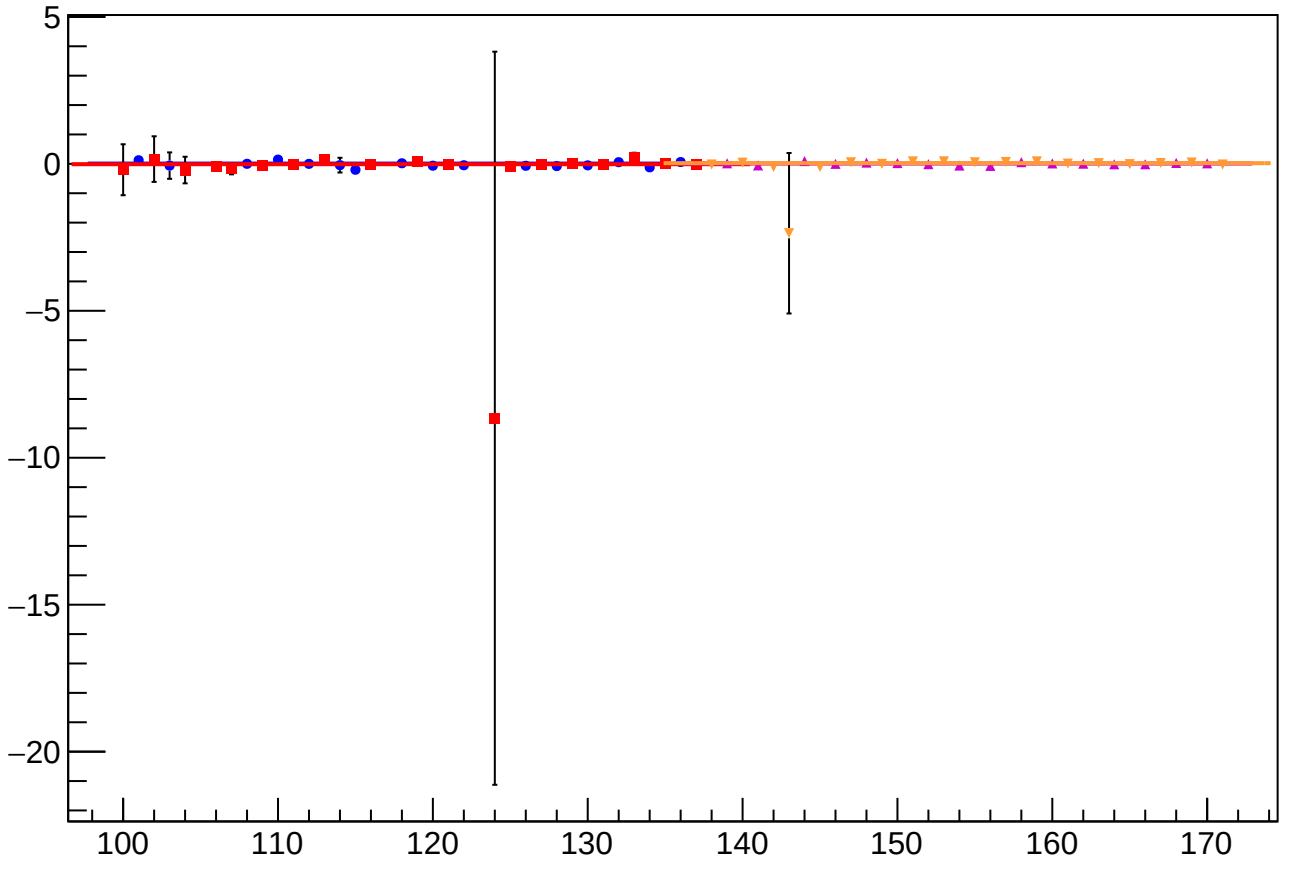
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

+ sign 34.281+/-0.006 χ^2/NDF: 6071595.1/33

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

- sign 33.182+/-0.006 χ^2/NDF: 6030156.7/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

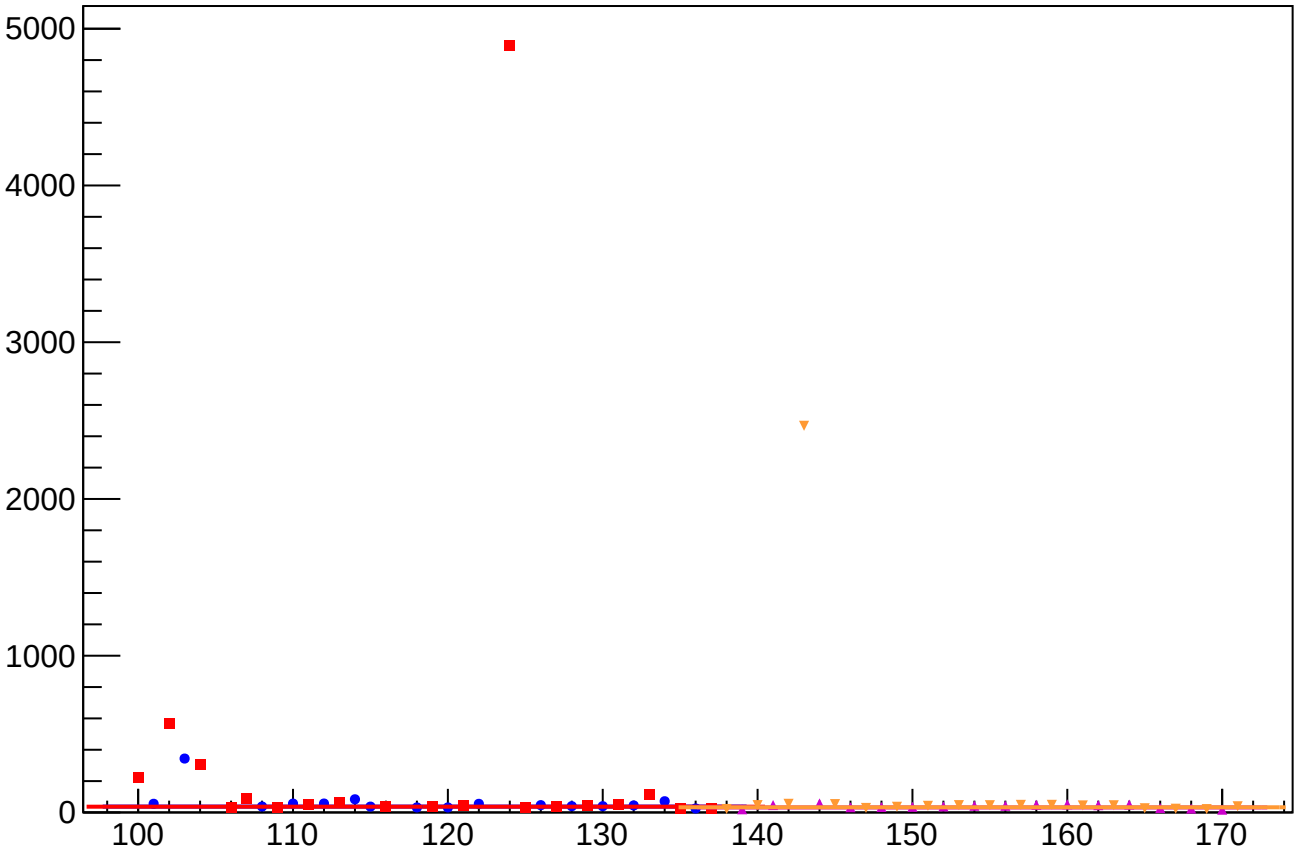
Right Out: -0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 32.975+/-0.007 χ^2/NDF:3975971.6/17

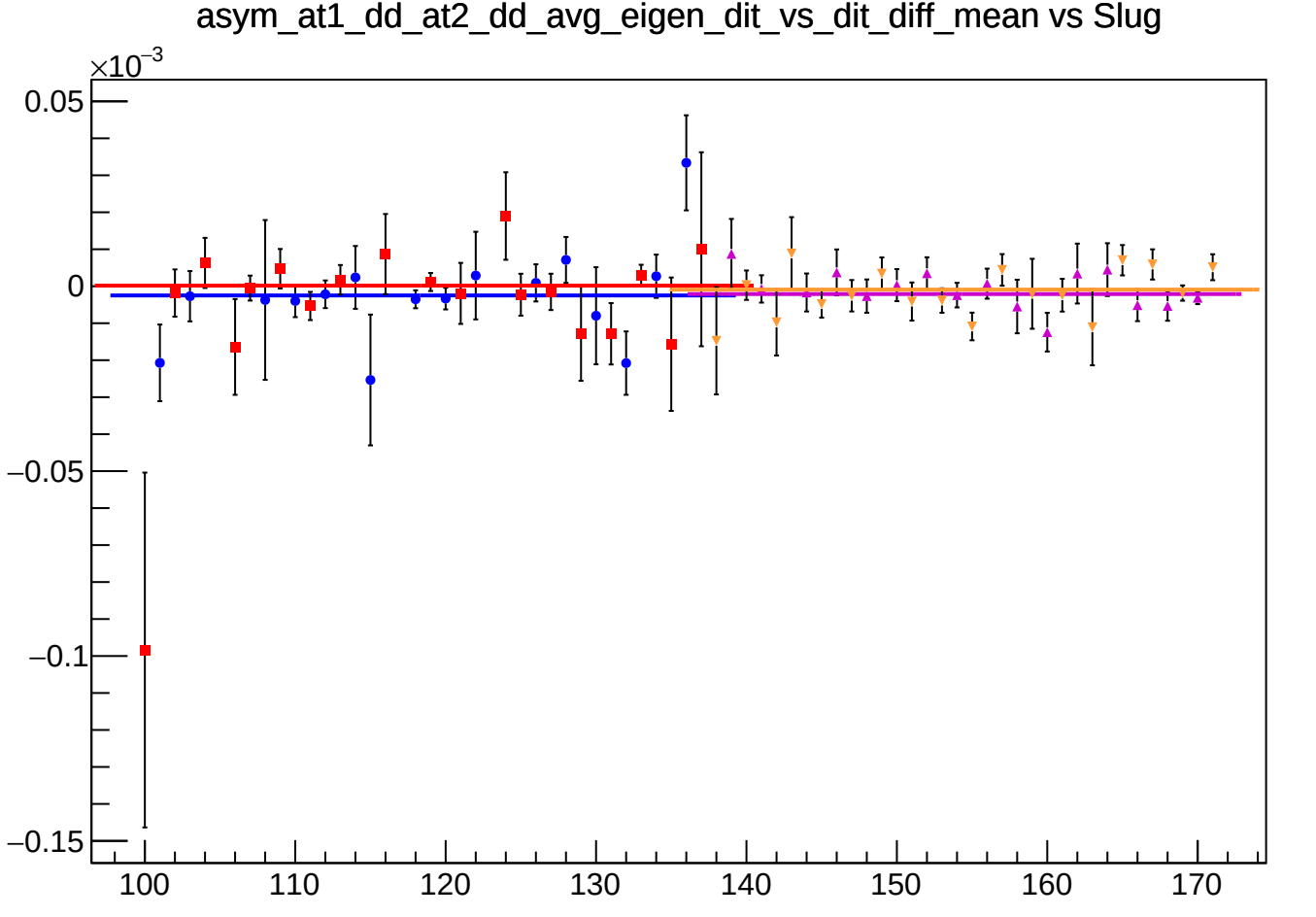
Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

+ sign 34.281+/-0.006 χ^2/NDF: 6071595.1/33

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

- sign 33.182+/-0.006 χ^2/NDF: 6030156.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/17

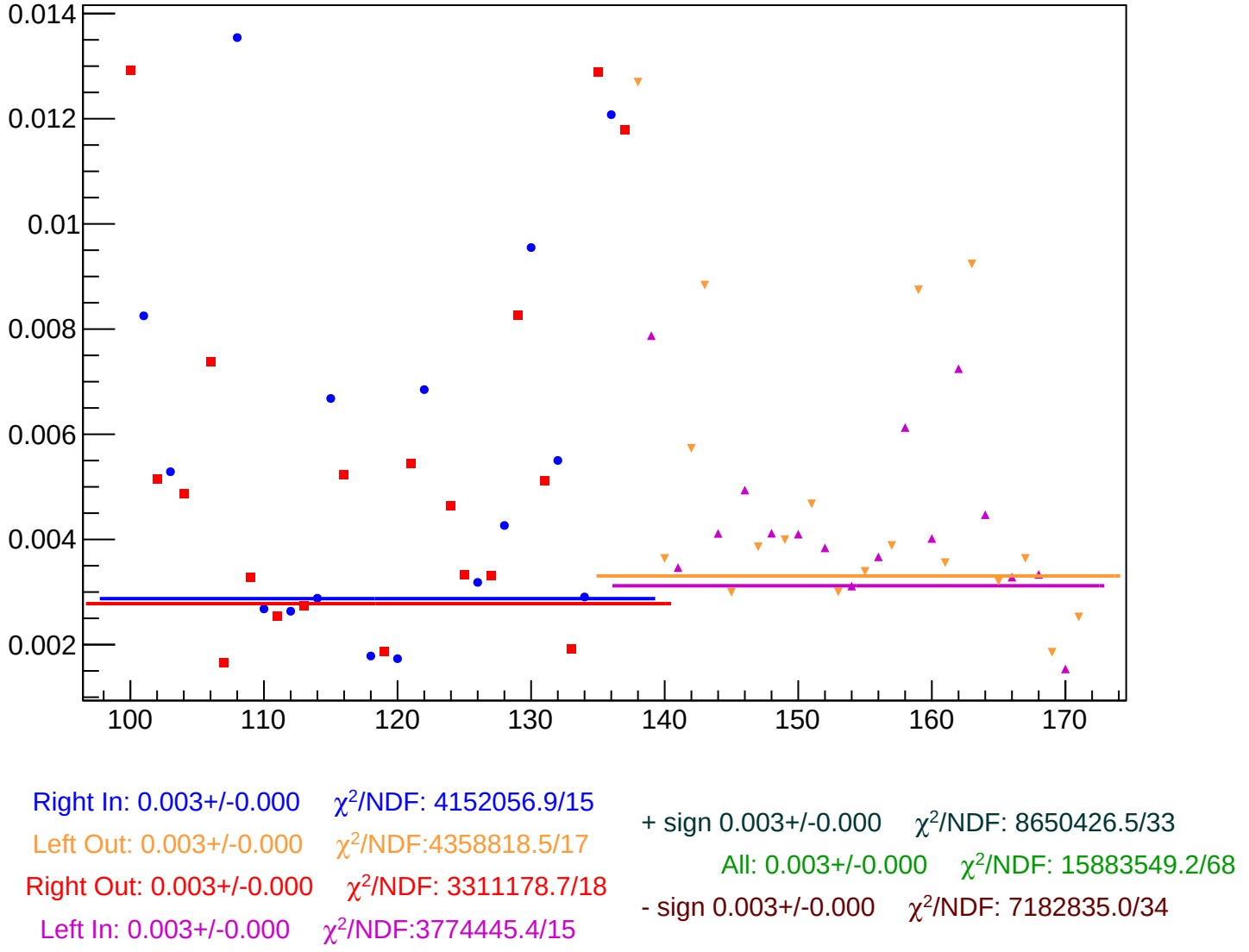
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/18

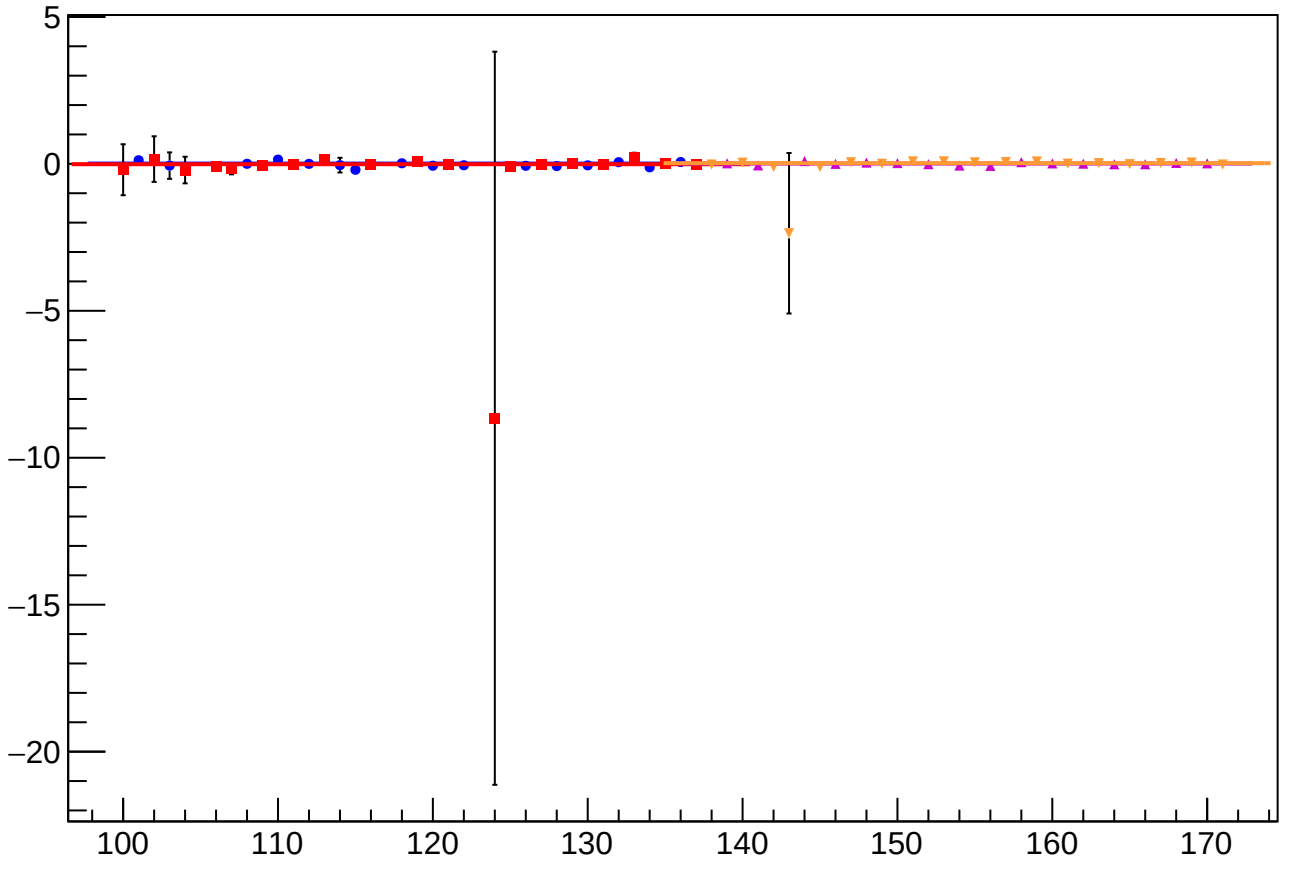
Left In: -0.000+/-0.000 χ^2/NDF:11.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/33

All: -0.000+/-0.000 χ^2/NDF: 81.6/68

- sign -0.000+/-0.000 χ^2/NDF: 32.8/34


asym_at1_dd_at2_dd_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
170
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.003+/-0.000 χ²/NDF:4358818.5/17
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.003+/-0.000 χ²/NDF:3774445.4/15
+ sign 0.003+/-0.000 χ²/NDF: 8650426.5/33
All: 0.003+/-0.000 χ²/NDF: 15883549.2/68
- sign 0.003+/-0.000 χ²/NDF: 7182835.0/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

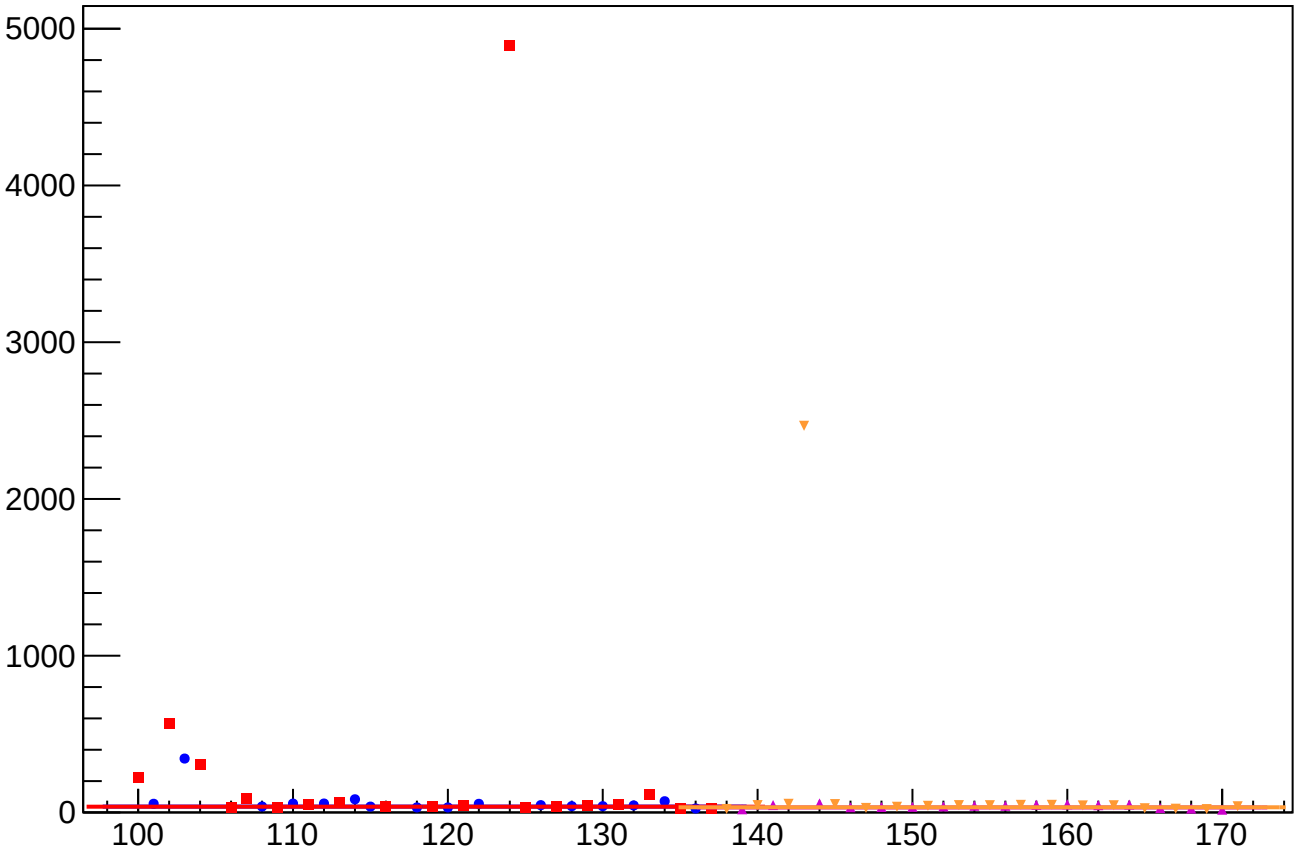
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.974+/-0.007 χ^2/NDF:3976031.3/17

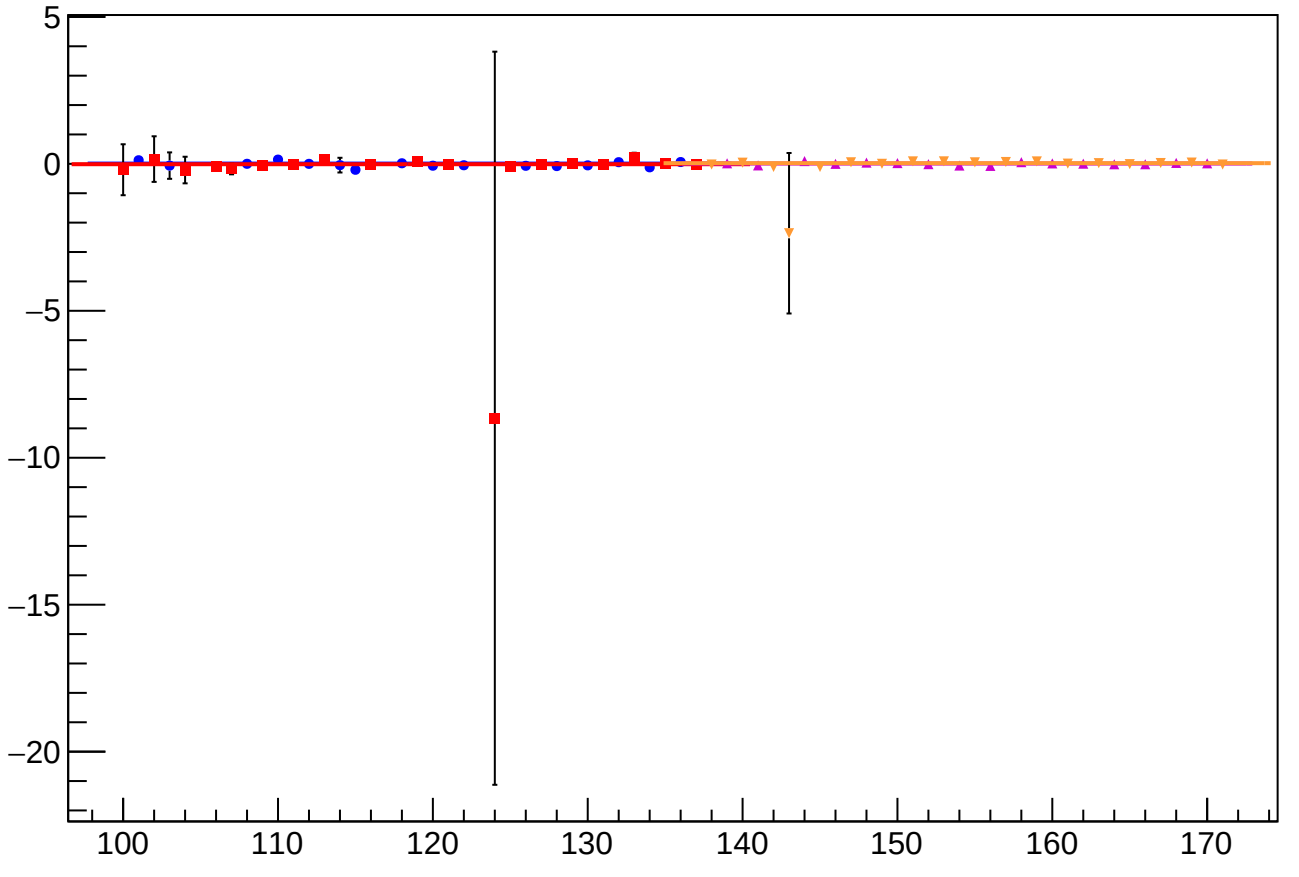
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

+ sign 34.280+/-0.006 χ^2/NDF: 6071657.9/33

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

- sign 33.184+/-0.006 χ^2/NDF: 6028713.7/34



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/17

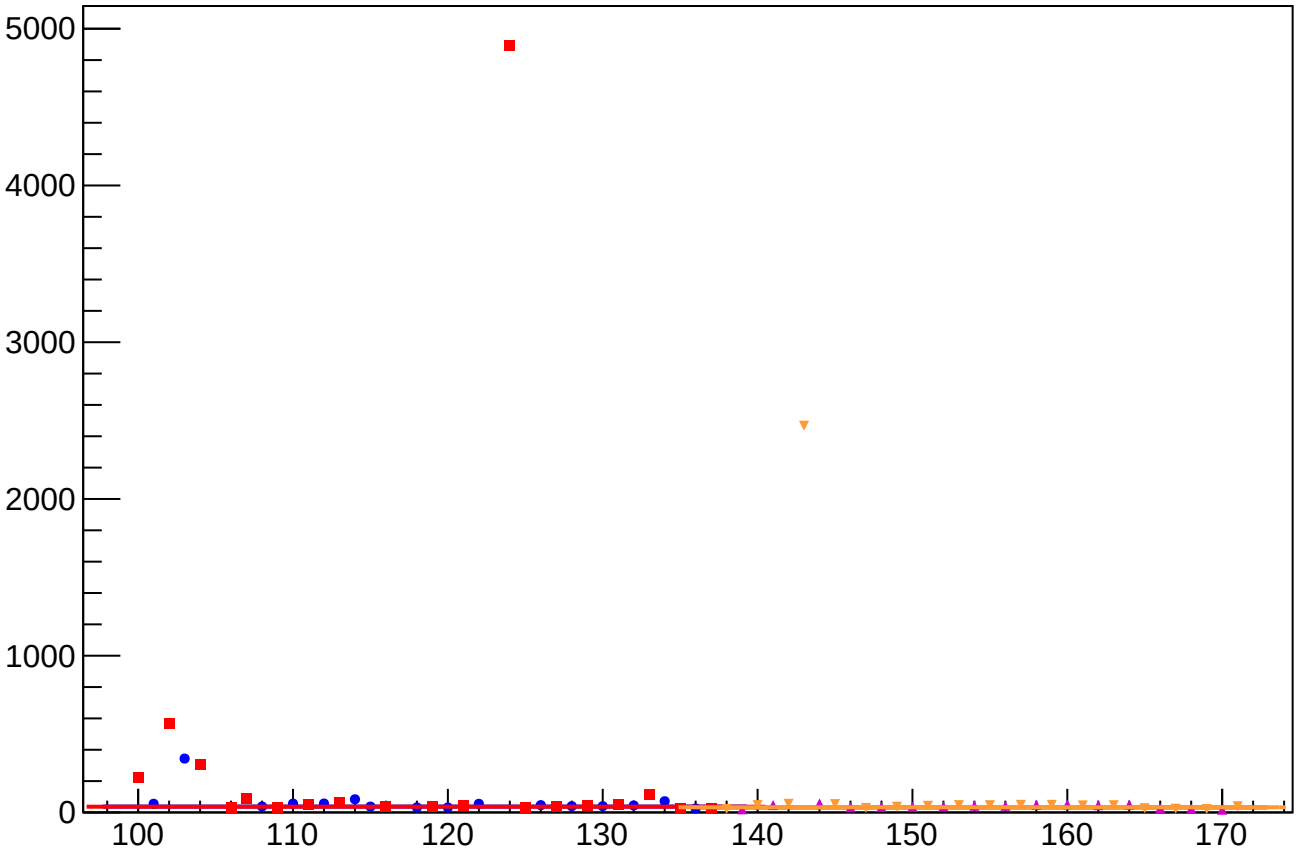
Right Out: -0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: 0.010+/-0.010 χ^2/NDF:10.8/15

+ sign 0.019+/-0.009 χ^2/NDF: 37.9/33

All: 0.011+/-0.006 χ^2/NDF: 64.2/68

- sign 0.004+/-0.009 χ^2/NDF: 24.8/34



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 32.974+/-0.007 χ^2/NDF:3976031.3/17

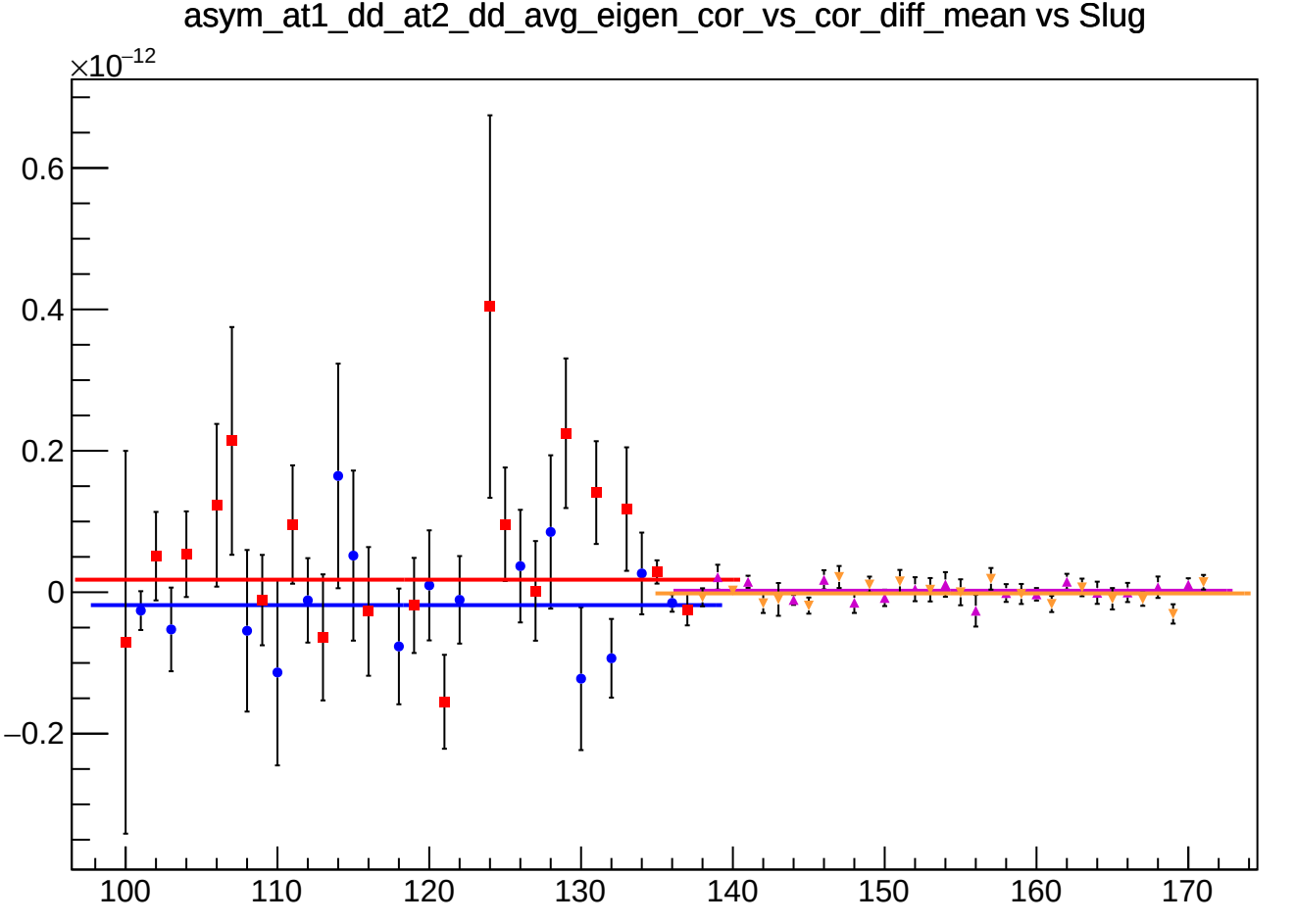
Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.890+/-0.007 χ^2/NDF:2711665.5/15

\+ sign 34.280+/-0.006 χ^2/NDF: 6071657.9/33

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

\- sign 33.184+/-0.006 χ^2/NDF: 6028713.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

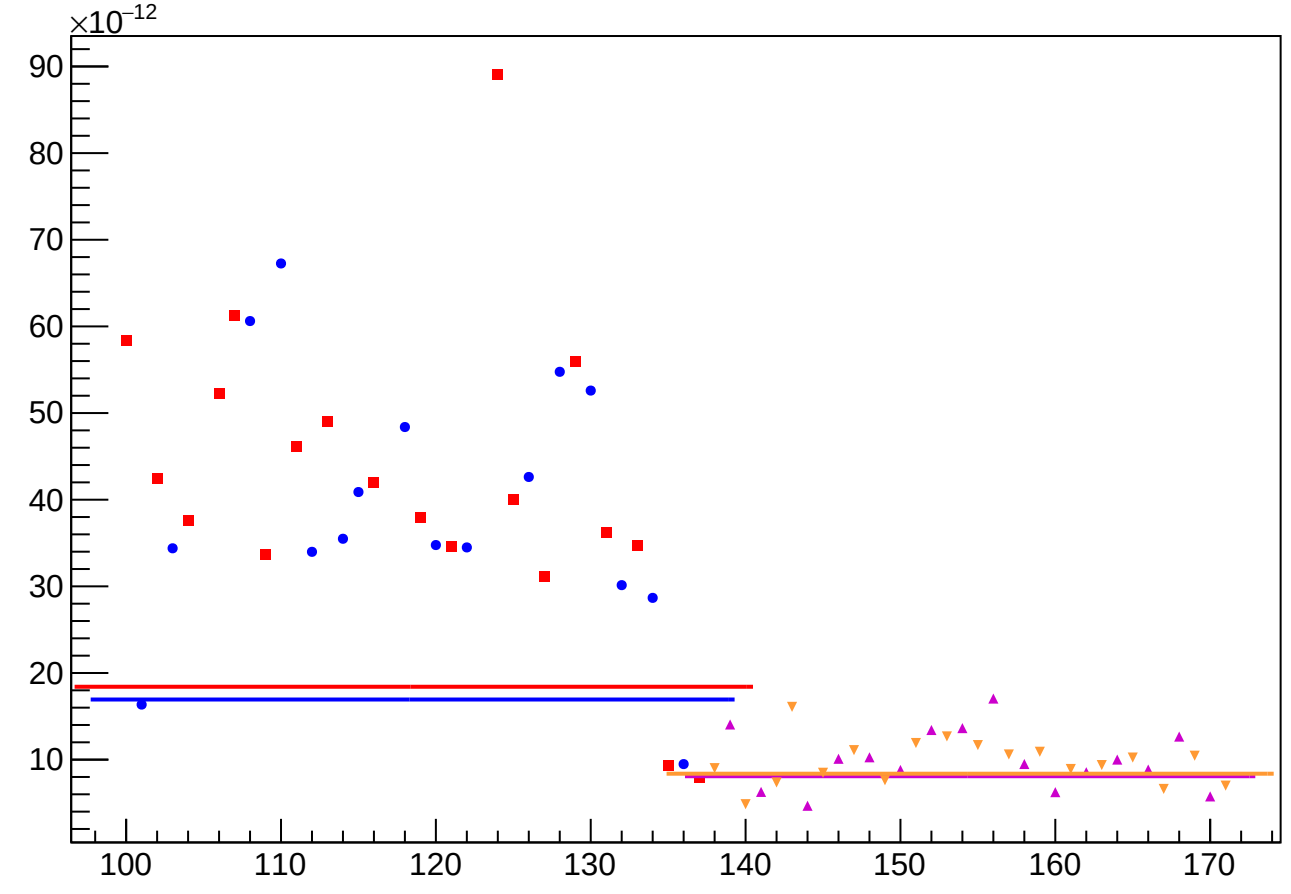
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 31.4/33

All: 0.000+/-0.000 χ^2/NDF: 77.7/68

- sign 0.000+/-0.000 χ^2/NDF: 44.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1451245.5/17

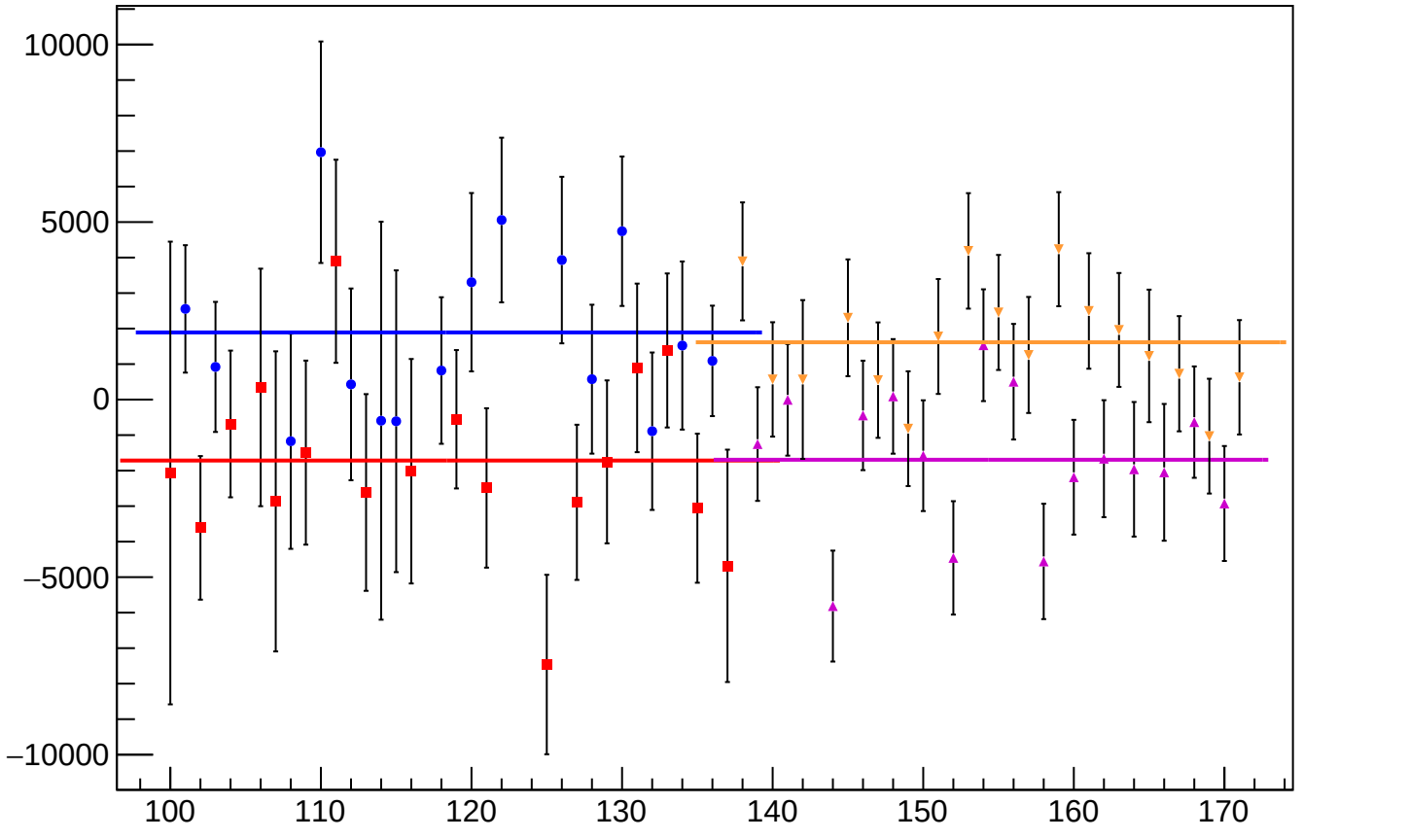
Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2073753.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 6033128.3/33

All: 0.000+/-0.000 χ^2/NDF: 13422291.9/68

- sign 0.000+/-0.000 χ^2/NDF: 7378834.2/34



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.653+/-402.132 χ^2/NDF:14.6/16

Right Out: -1715.909+/-589.518 χ^2/NDF: 16.0/17

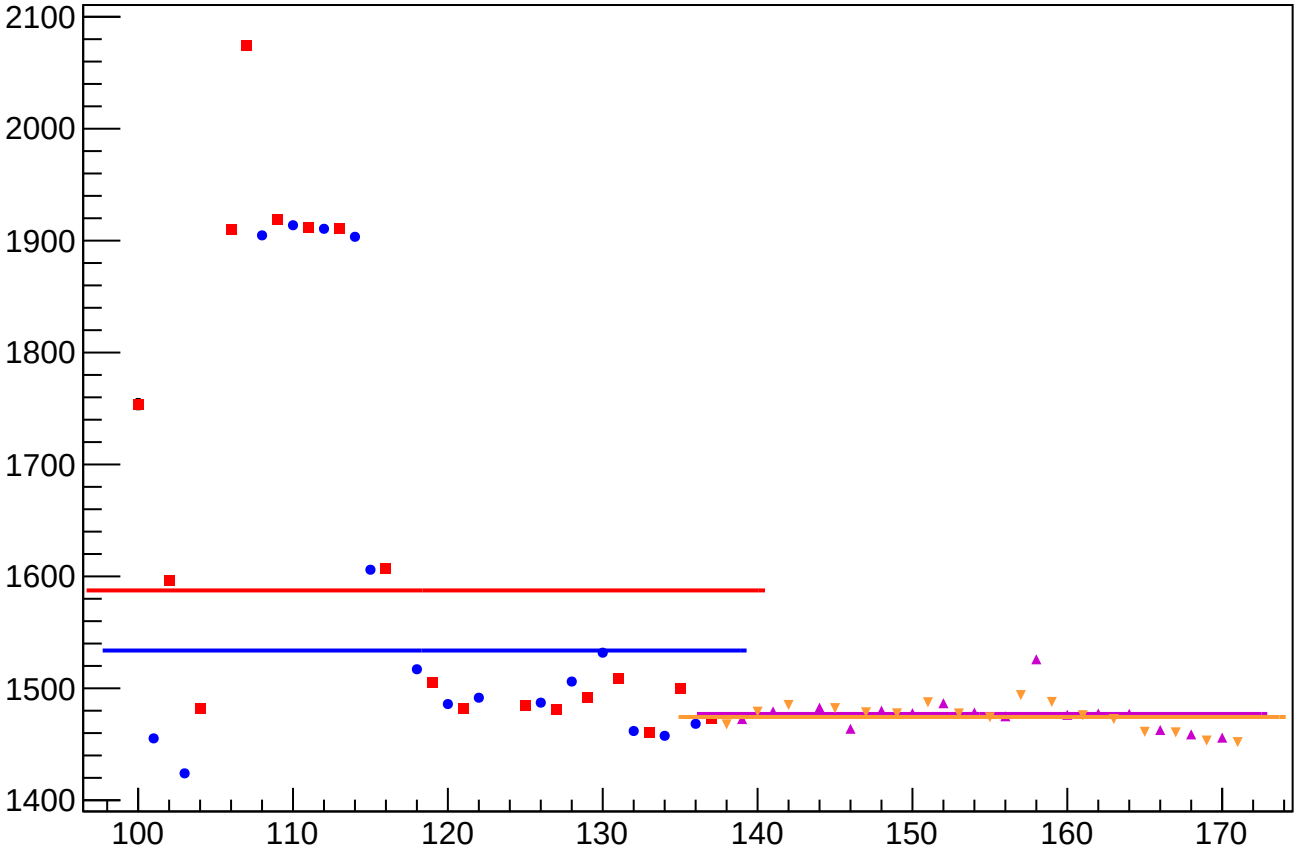
Left In: -1693.930+/-406.238 χ^2/NDF:23.4/15

+ sign 1706.158+/-329.017 χ^2/NDF: 27.0/32

All: 30.764+/-234.567 χ^2/NDF: 119.1/66

- sign -1701.007+/-334.507 χ^2/NDF: 39.3/33

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

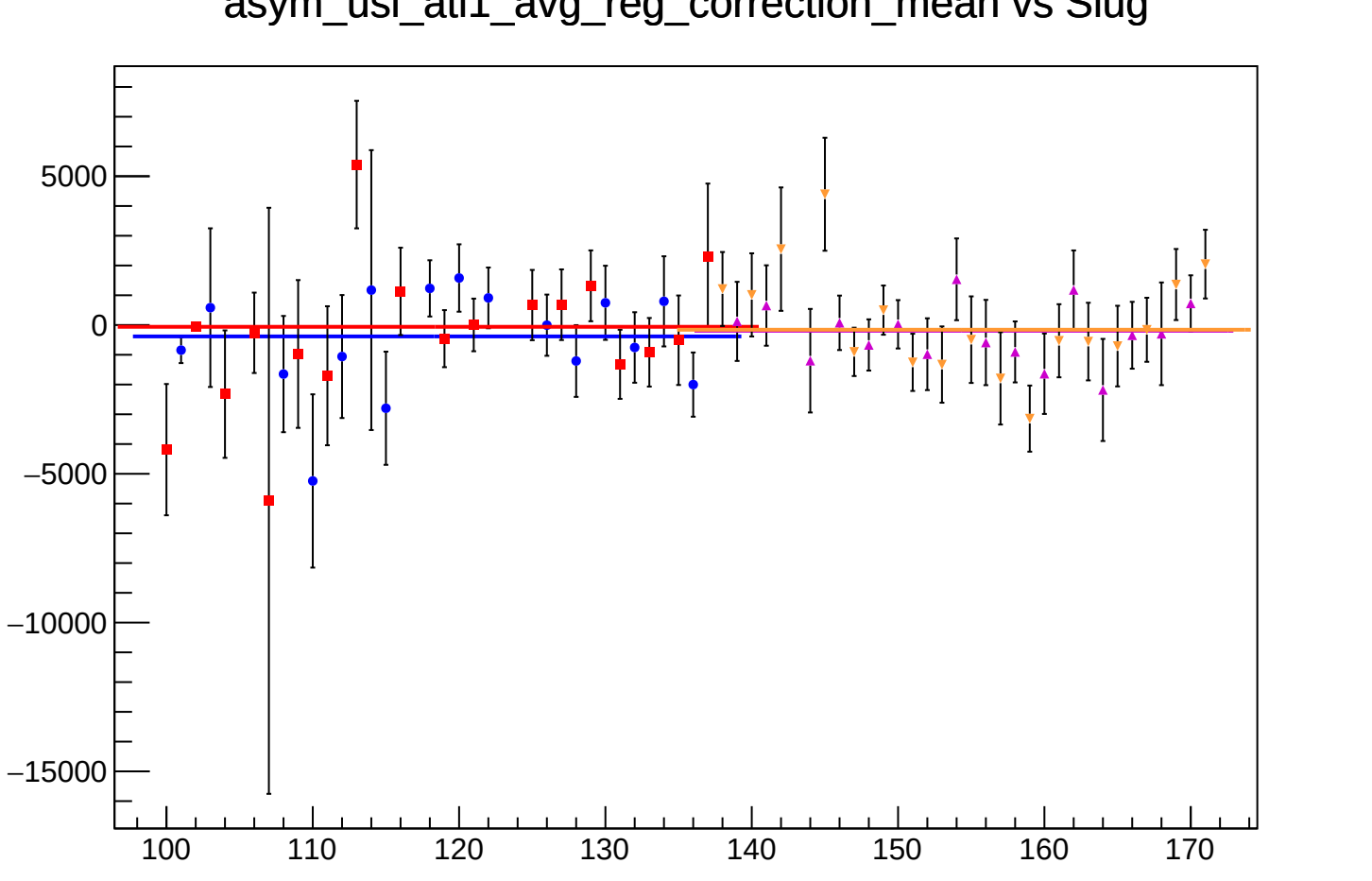
Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

+ sign 1494.022+/-0.233 χ^2/NDF: 145393.0/32

All: 1503.169+/-0.166 χ^2/NDF: 370870.2/66

- sign 1512.625+/-0.237 χ^2/NDF: 222333.0/33



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.395+/-286.909 χ^2/NDF:27.0/16

Right Out: -59.970+/-127.700 χ^2/NDF: 17.8/17

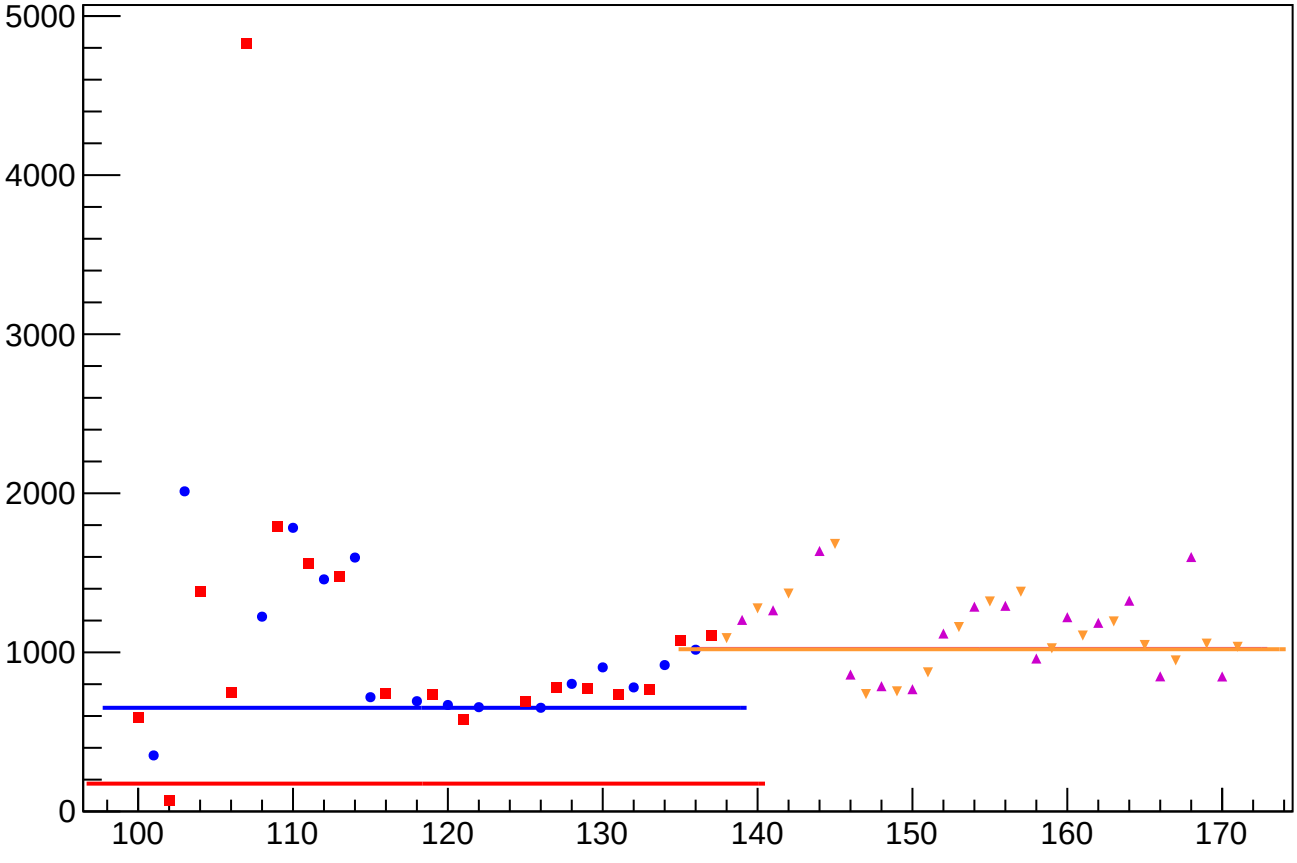
Left In: -192.448+/-290.385 χ^2/NDF:8.3/15

+ sign -276.487+/-197.473 χ^2/NDF: 45.5/32

All: -132.051+/-100.593 χ^2/NDF: 72.5/66

- sign -81.439+/-116.896 χ^2/NDF: 26.3/33

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1019.782+/-0.203 χ^2/NDF:1140282.4/16

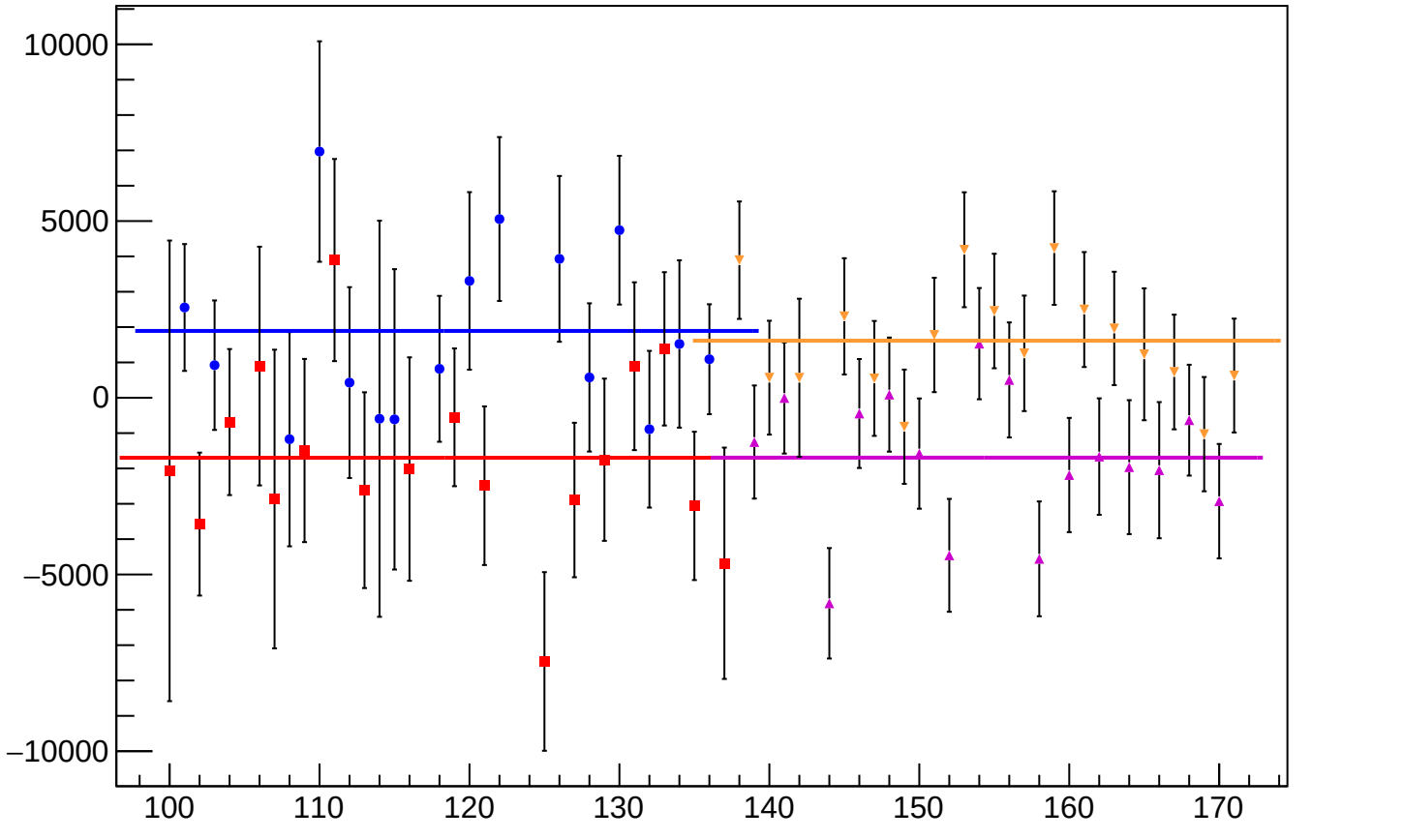
Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1021.630+/-0.205 χ^2/NDF:1397710.8/15

+ sign 825.977+/-0.140 χ^2/NDF: 5636982.4/32

All: 445.455+/-0.071 χ^2/NDF: 41073785.7/66

- sign 312.113+/-0.083 χ^2/NDF: 25408129.4/33



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.643+/-402.132 χ^2/NDF:14.6/16

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

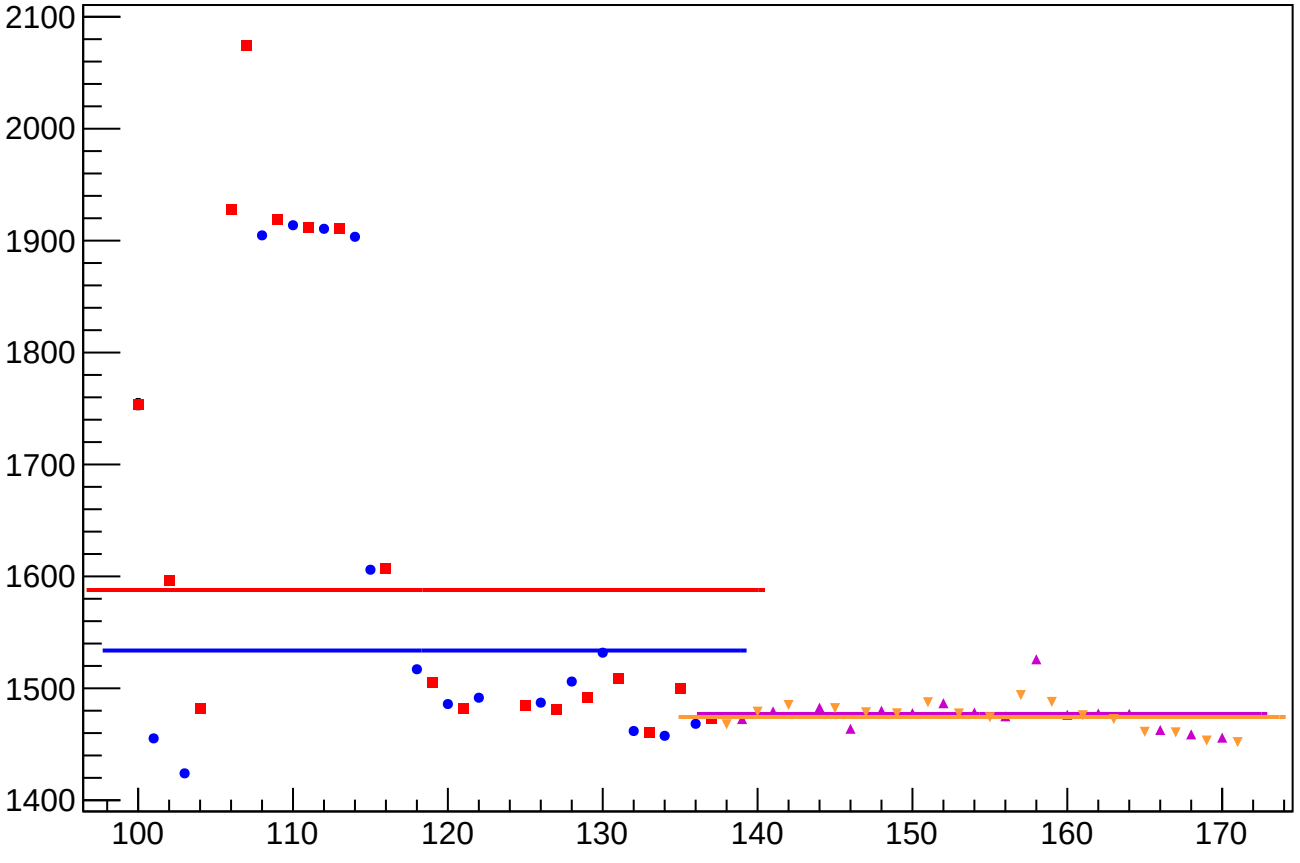
Left In: -1694.005+/-406.238 χ^2/NDF:23.4/15

+ sign 1706.186+/-329.017 χ^2/NDF: 27.0/32

All: 33.918+/-234.579 χ^2/NDF: 119.1/66

- sign -1694.965+/-334.540 χ^2/NDF: 39.5/33

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

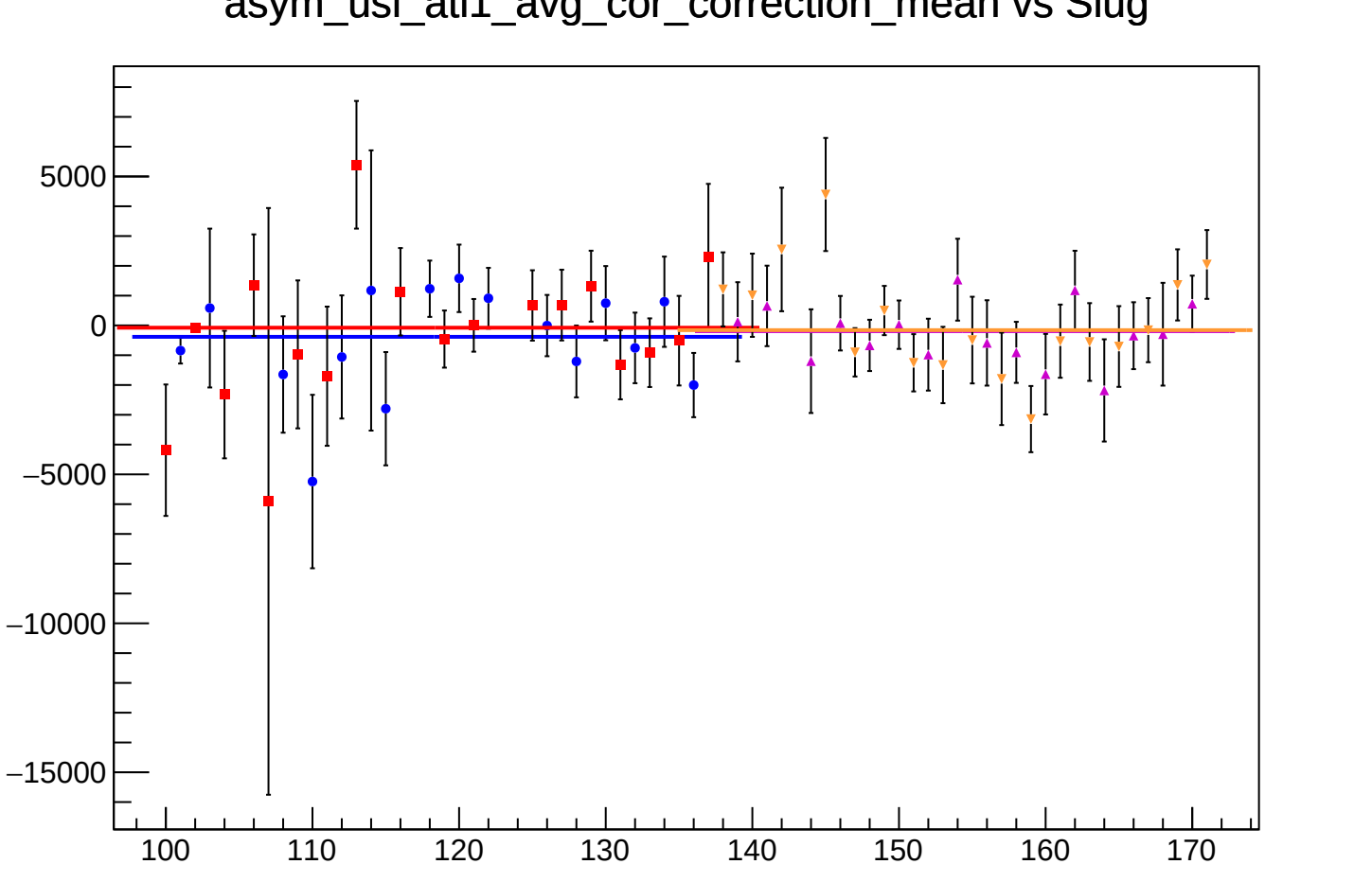
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

+ sign 1494.022+/-0.233 χ^2/NDF: 145392.9/32

All: 1503.222+/-0.166 χ^2/NDF: 372997.6/66

- sign 1512.734+/-0.237 χ^2/NDF: 224423.8/33



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.385+/-286.909 χ^2/NDF:27.0/16

Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

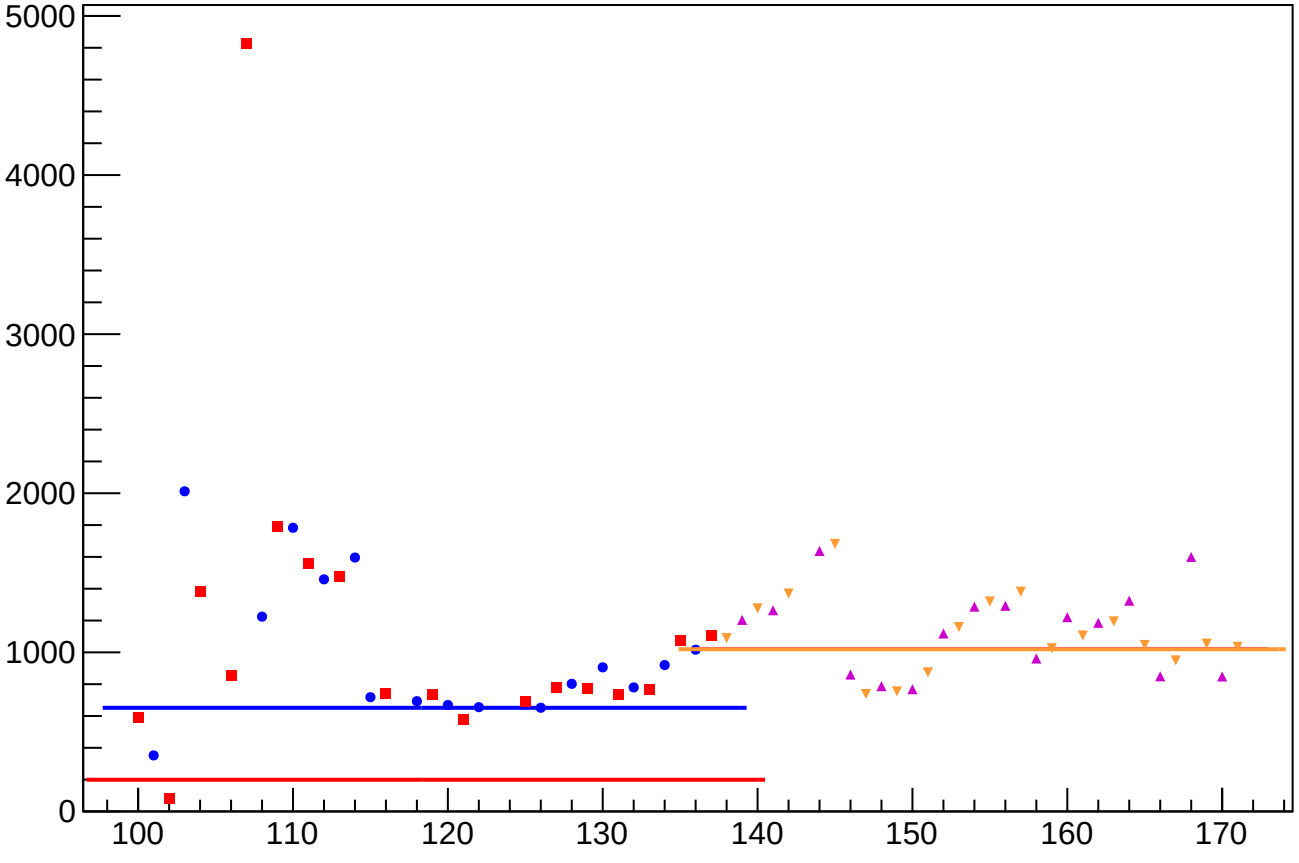
Left In: -192.486+/-290.385 χ^2/NDF:8.3/15

+ sign -276.468+/-197.473 χ^2/NDF: 45.5/32

All: -148.982+/-105.463 χ^2/NDF: 73.0/66

- sign -98.111+/-124.742 χ^2/NDF: 26.9/33

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1019.785+/-0.203 χ^2/NDF:1140294.2/16

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

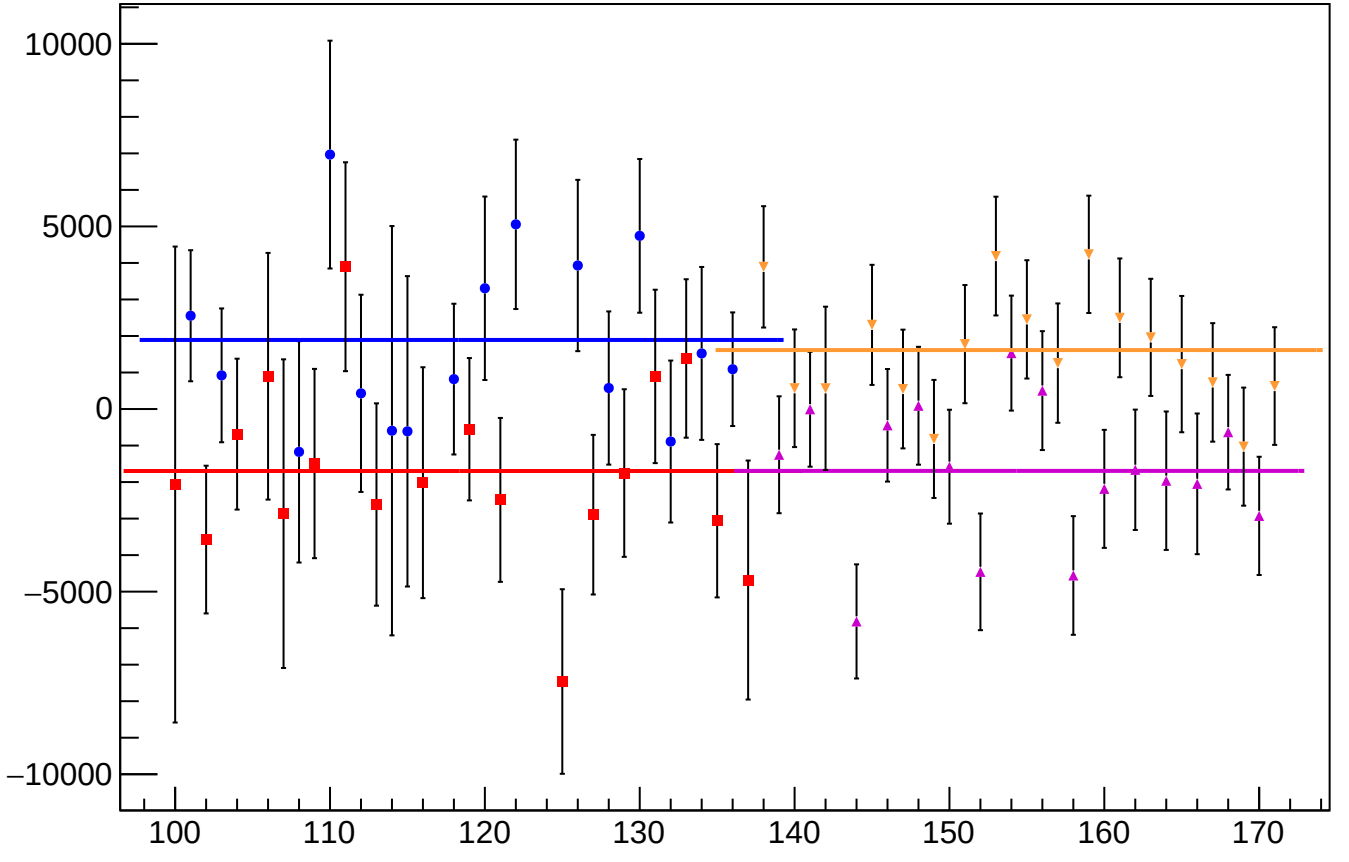
Left In: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

+ sign 825.977+/-0.140 χ^2/NDF: 5637060.2/32

All: 486.533+/-0.075 χ^2/NDF: 37664941.7/66

- sign 351.084+/-0.088 χ^2/NDF: 23760313.0/33

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.643+/-402.132 χ^2/NDF:14.6/16

Right Out: -1696.987+/-589.699 χ^2/NDF: 16.2/17

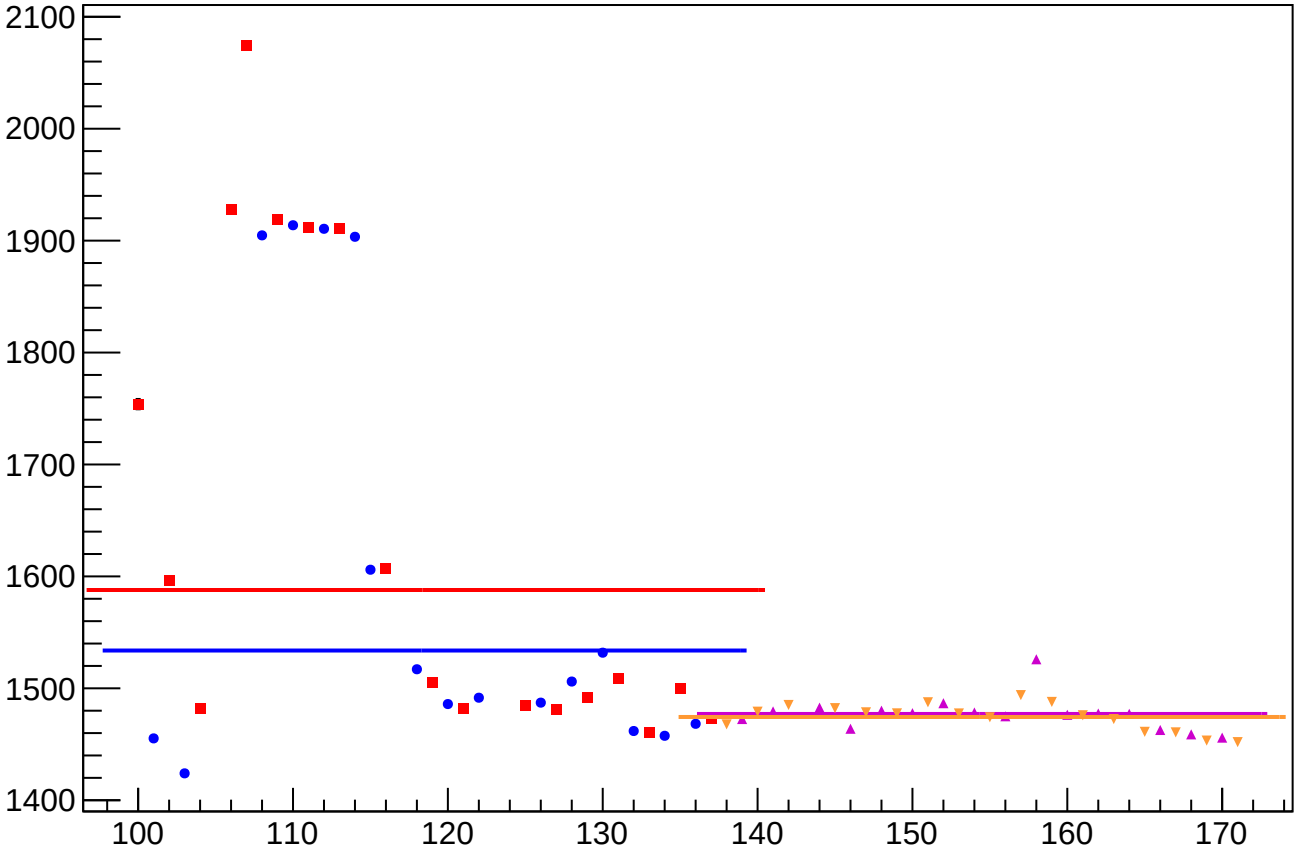
Left In: -1694.005+/-406.238 χ^2/NDF:23.4/15

+ sign 1706.186+/-329.017 χ^2/NDF: 27.0/32

All: 33.918+/-234.579 χ^2/NDF: 119.1/66

- sign -1694.965+/-334.540 χ^2/NDF: 39.5/33

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

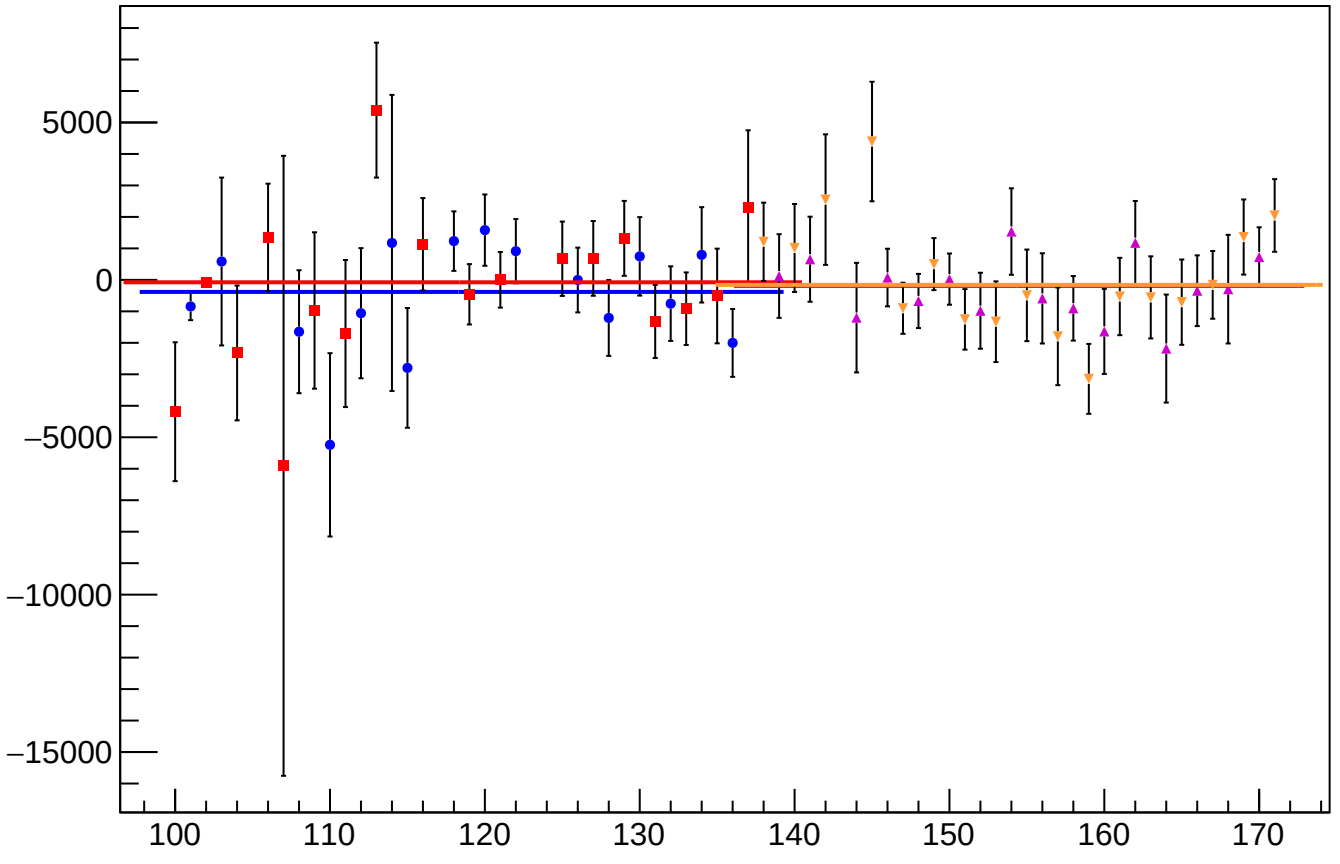
Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.088+/-0.287 χ^2/NDF:2809.9/15

+ sign 1494.022+/-0.233 χ^2/NDF: 145392.9/32

All: 1503.222+/-0.166 χ^2/NDF: 372997.6/66

- sign 1512.734+/-0.237 χ^2/NDF: 224423.8/33



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.385+/-286.909 χ^2/NDF:27.0/16

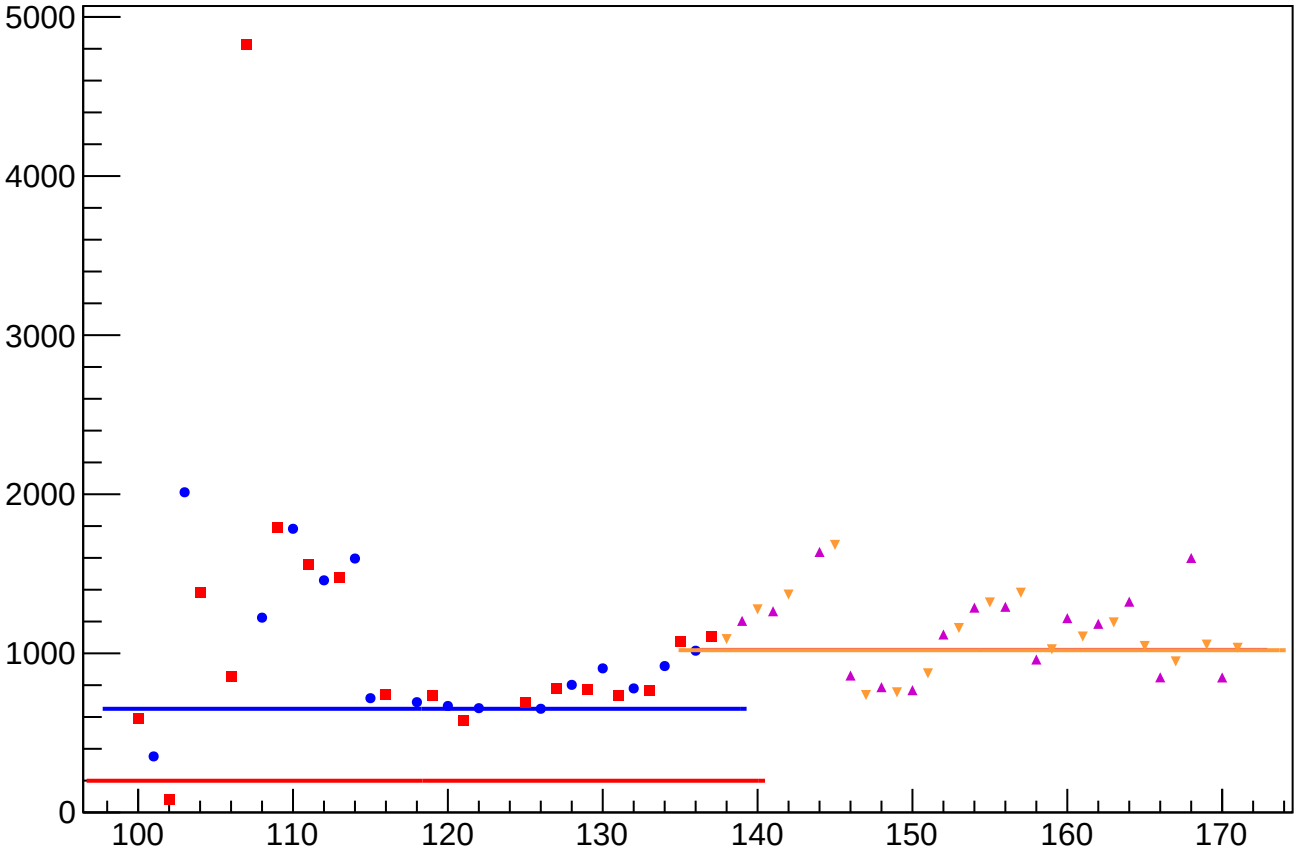
Right Out: -76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -192.486+/-290.385 χ^2/NDF:8.3/15

+ sign -276.468+/-197.473 χ^2/NDF: 45.5/32

All: -148.982+/-105.463 χ^2/NDF: 73.0/66

- sign -98.111+/-124.742 χ^2/NDF: 26.9/33



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1019.785+/-0.203 χ^2/NDF:1140294.2/16

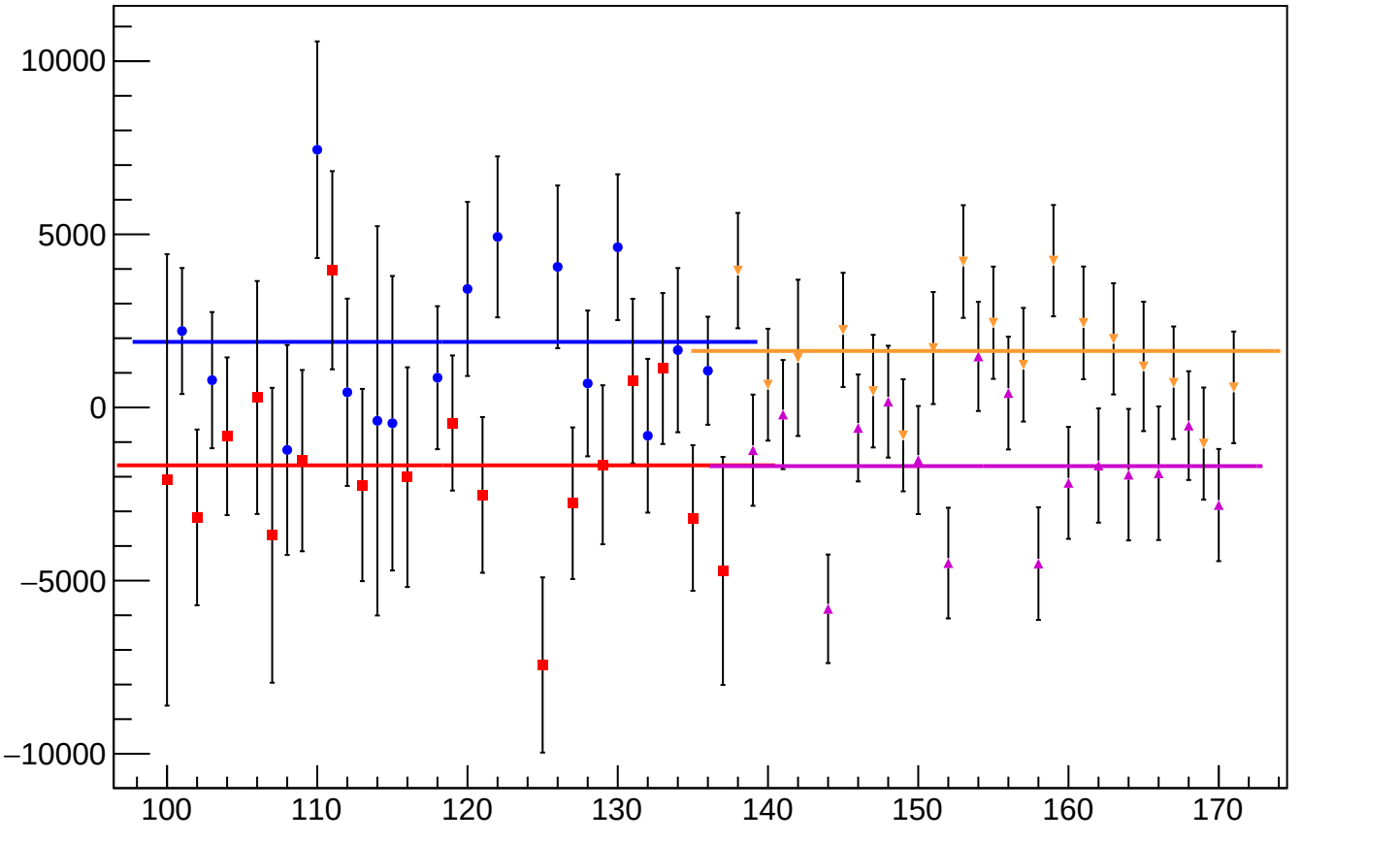
Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

+ sign 825.977+/-0.140 χ^2/NDF: 5637060.2/32

All: 486.533+/-0.075 χ^2/NDF: 37664941.7/66

- sign 351.084+/-0.088 χ^2/NDF: 23760313.0/33



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1631.582+/-402.826 χ^2/NDF:14.5/16

Right Out: -1670.933+/-604.838 χ^2/NDF: 15.0/17

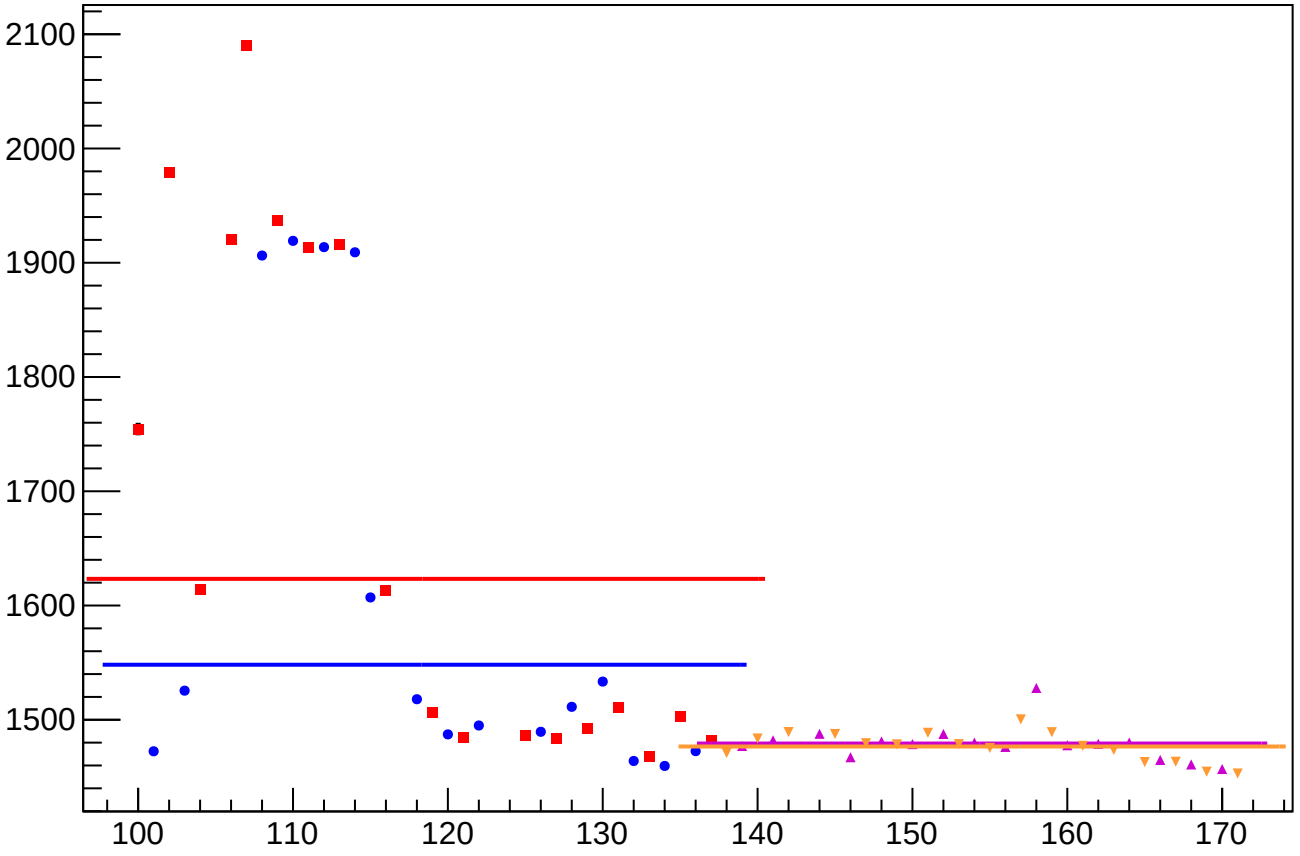
Left In: -1693.053+/-406.826 χ^2/NDF:22.7/15

+ sign 1717.502+/-330.414 χ^2/NDF: 26.9/32

All: 52.122+/-236.127 χ^2/NDF: 116.6/66

- sign -1686.163+/-337.569 χ^2/NDF: 37.7/33

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1476.618+/-0.285 χ^2/NDF:1921.5/16

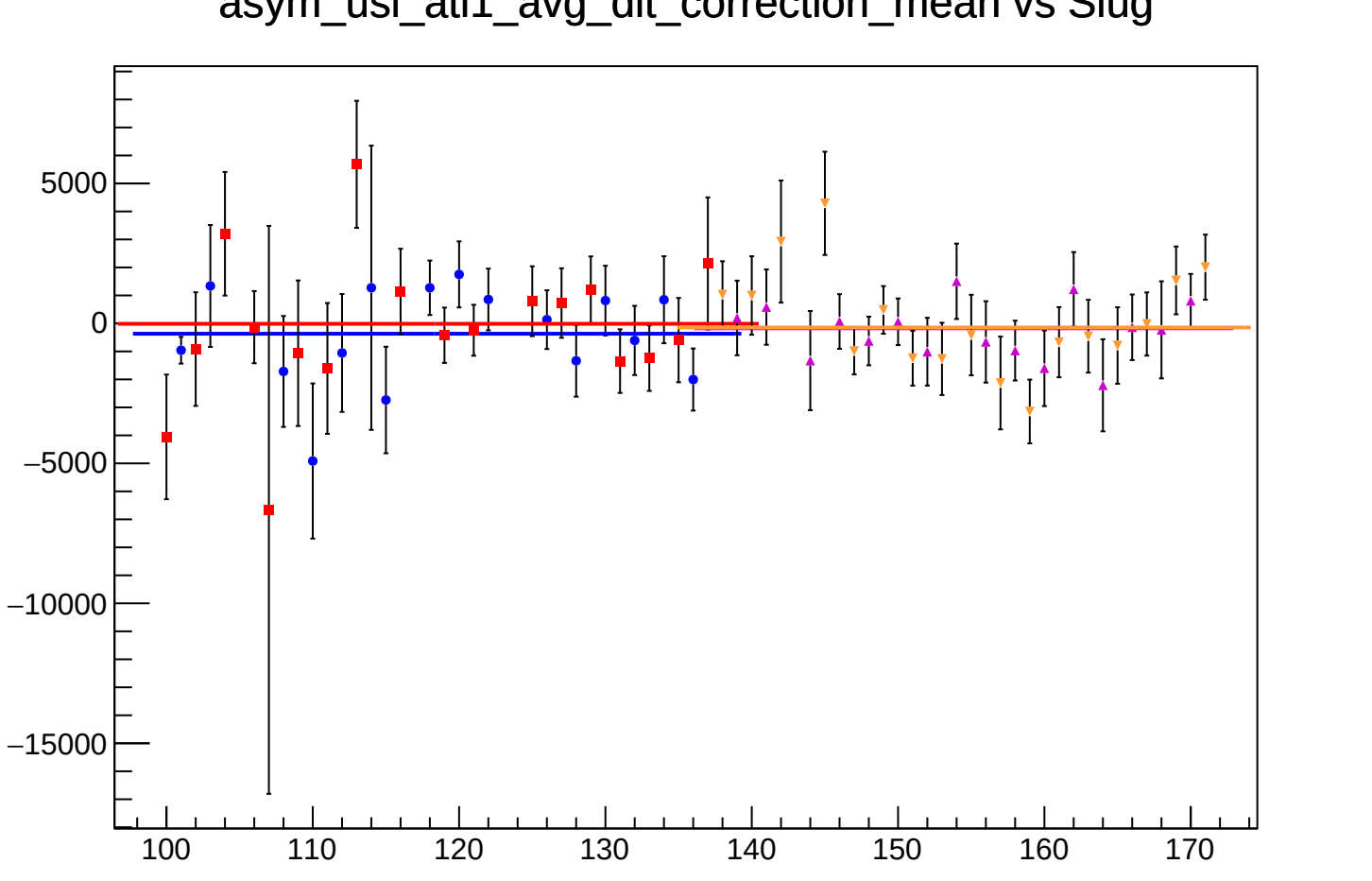
Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1479.205+/-0.288 χ^2/NDF:2807.2/15

+ sign 1500.031+/-0.234 χ^2/NDF: 142476.4/32

All: 1511.807+/-0.167 χ^2/NDF: 440198.6/66

- sign 1524.099+/-0.239 χ^2/NDF: 292530.0/33



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -145.599+/-291.446 χ^2/NDF:27.2/16

Right Out: -13.729+/-341.569 χ^2/NDF: 19.1/17

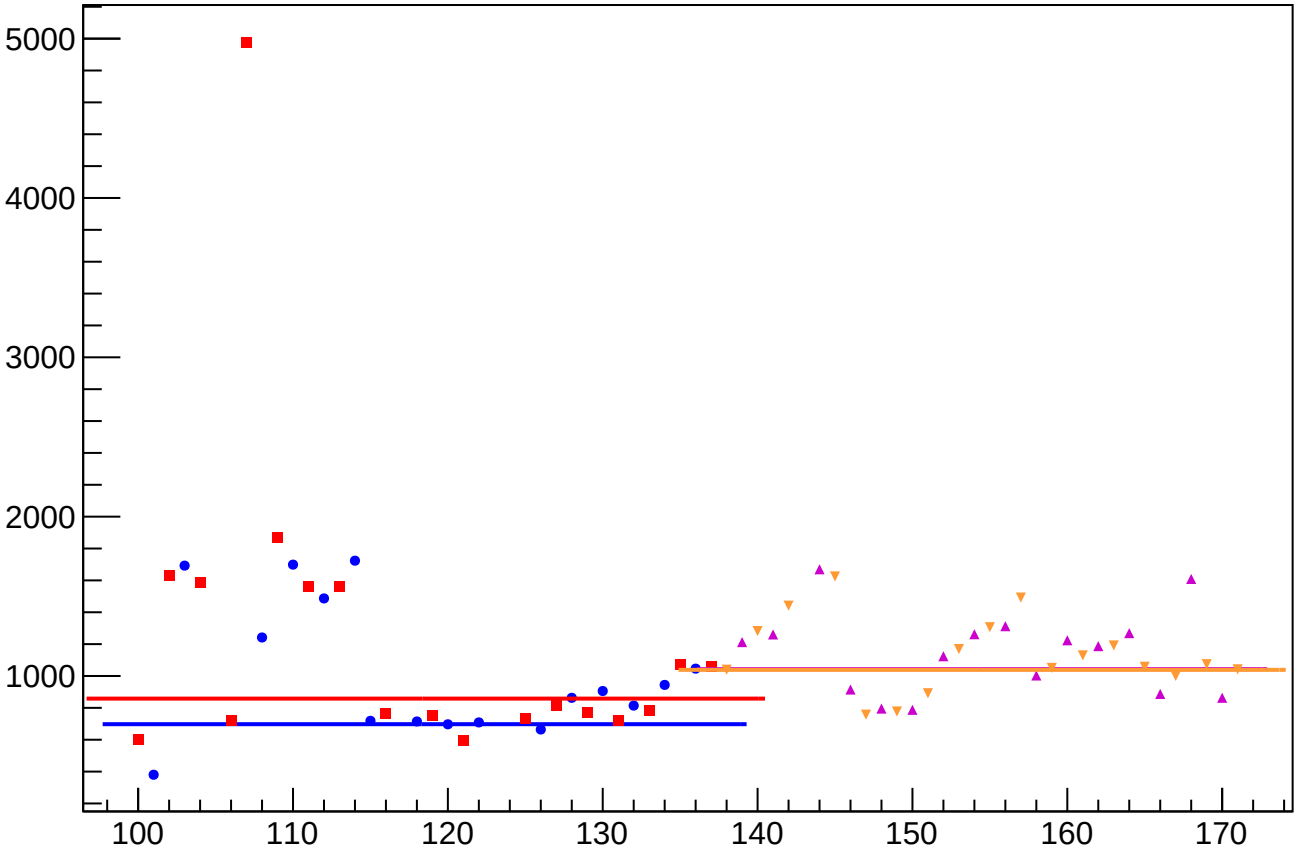
Left In: -174.077+/-295.382 χ^2/NDF:8.7/15

+ sign -259.033+/-204.340 χ^2/NDF: 46.4/32

All: -189.089+/-150.787 χ^2/NDF: 74.6/66

- sign -105.469+/-223.425 χ^2/NDF: 27.9/33

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.518+/-0.206 χ^2/NDF:1074542.7/16

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

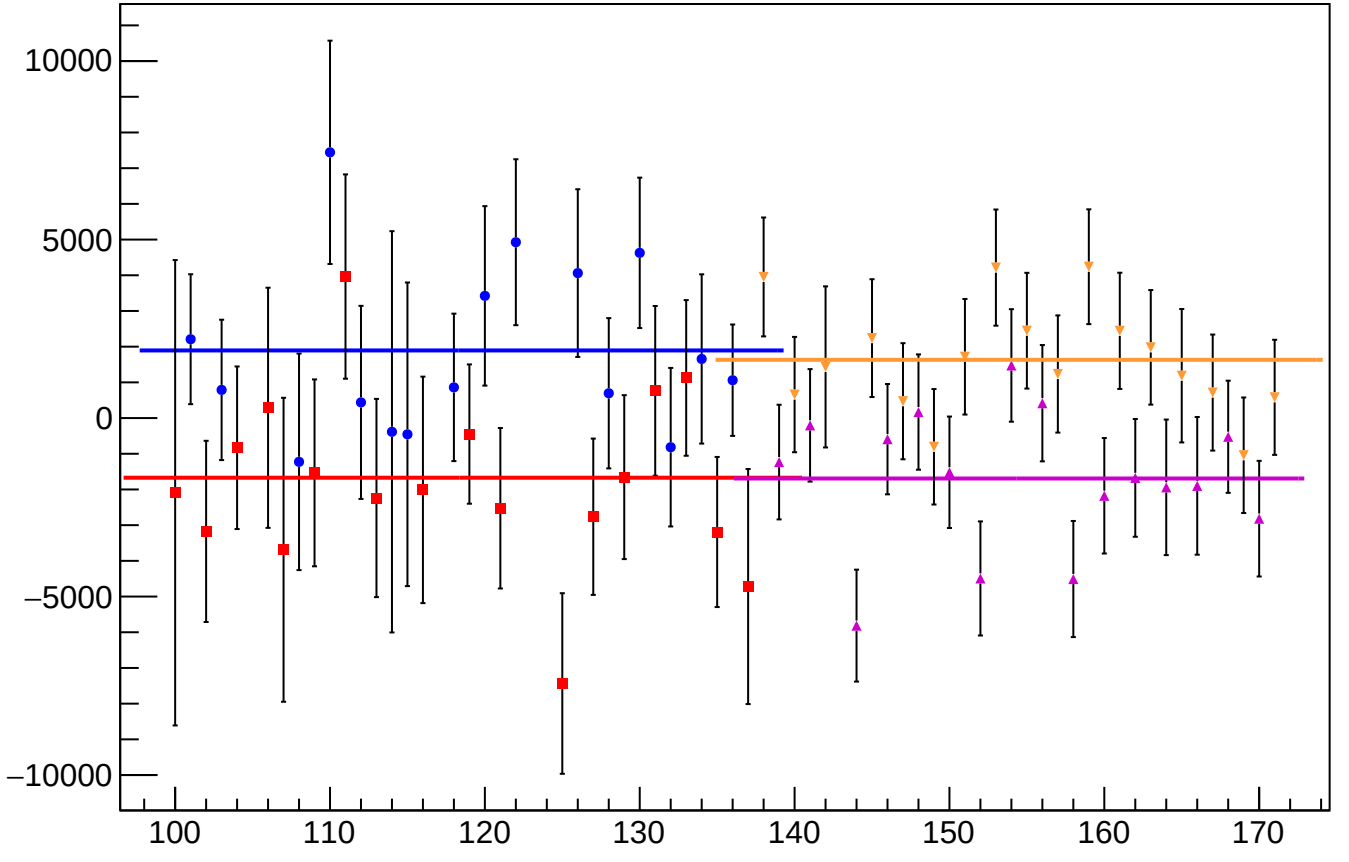
Left In: 1042.966+/-0.209 χ^2/NDF:1268845.9/15

+ sign 865.145+/-0.144 χ^2/NDF: 4902187.9/32

All: 910.110+/-0.107 χ^2/NDF: 8601020.6/66

- sign 963.866+/-0.158 χ^2/NDF: 3486212.5/33

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1631.580+/-402.826 χ^2/NDF:14.5/16

Right Out: -1670.931+/-604.838 χ^2/NDF: 15.0/17

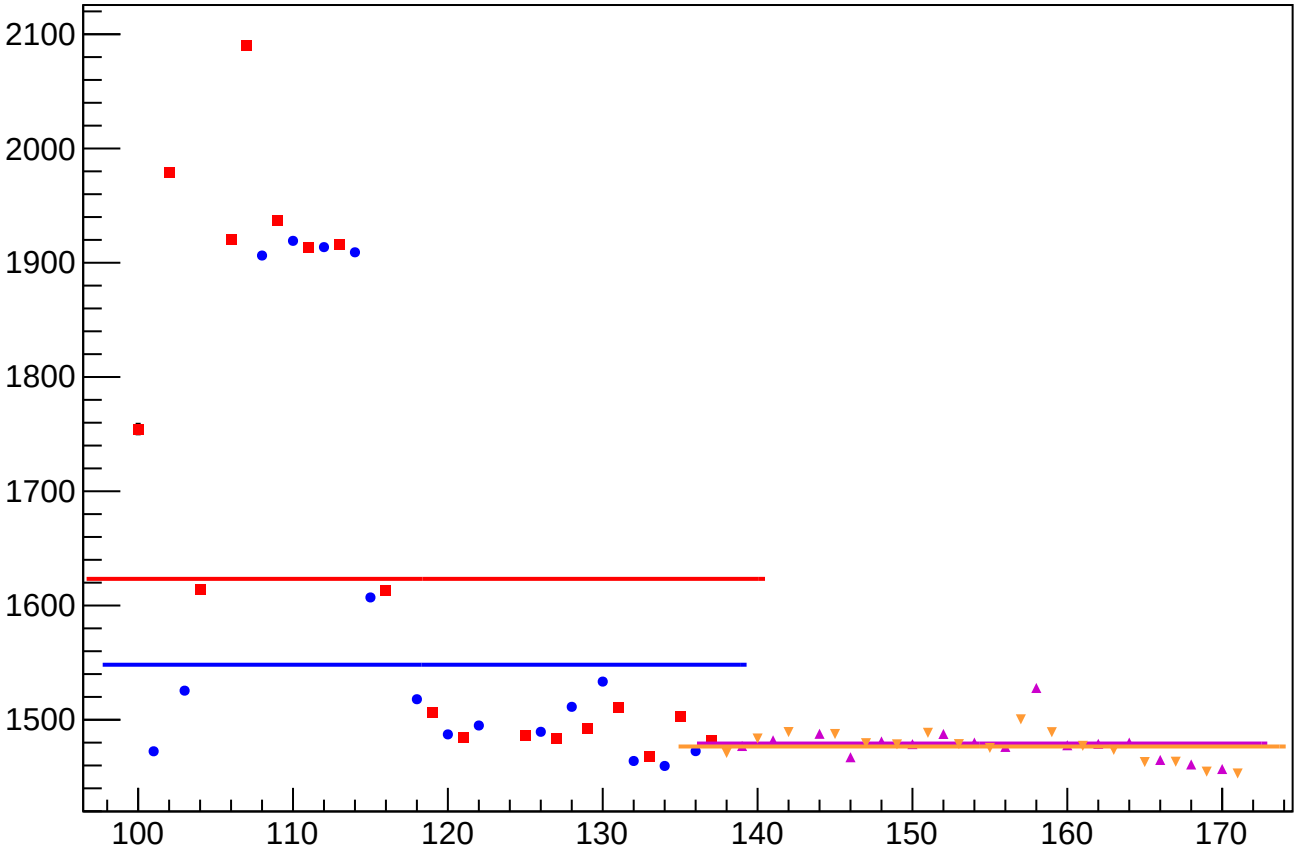
Left In: -1693.054+/-406.826 χ^2/NDF:22.7/15

+ sign 1717.500+/-330.414 χ^2/NDF: 26.9/32

All: 52.121+/-236.127 χ^2/NDF: 116.6/66

- sign -1686.163+/-337.569 χ^2/NDF: 37.7/33

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1476.618+/-0.285 χ^2/NDF:1921.5/16

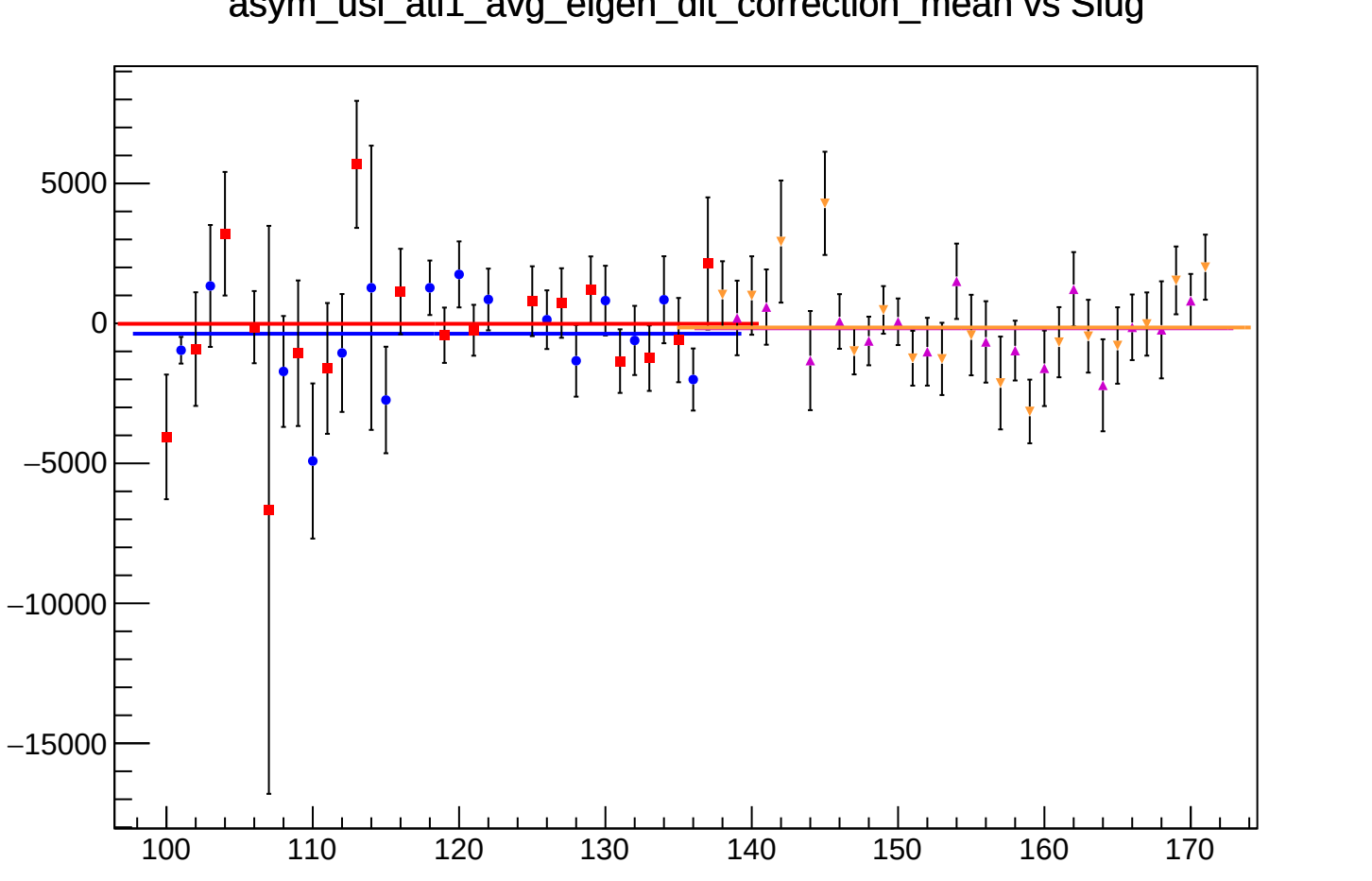
Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1479.205+/-0.288 χ^2/NDF:2807.2/15

+ sign 1500.031+/-0.234 χ^2/NDF: 142476.3/32

All: 1511.807+/-0.167 χ^2/NDF: 440198.0/66

- sign 1524.099+/-0.239 χ^2/NDF: 292529.6/33



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -145.602+/-291.446 χ^2/NDF:27.2/16

Right Out: -13.730+/-341.568 χ^2/NDF: 19.1/17

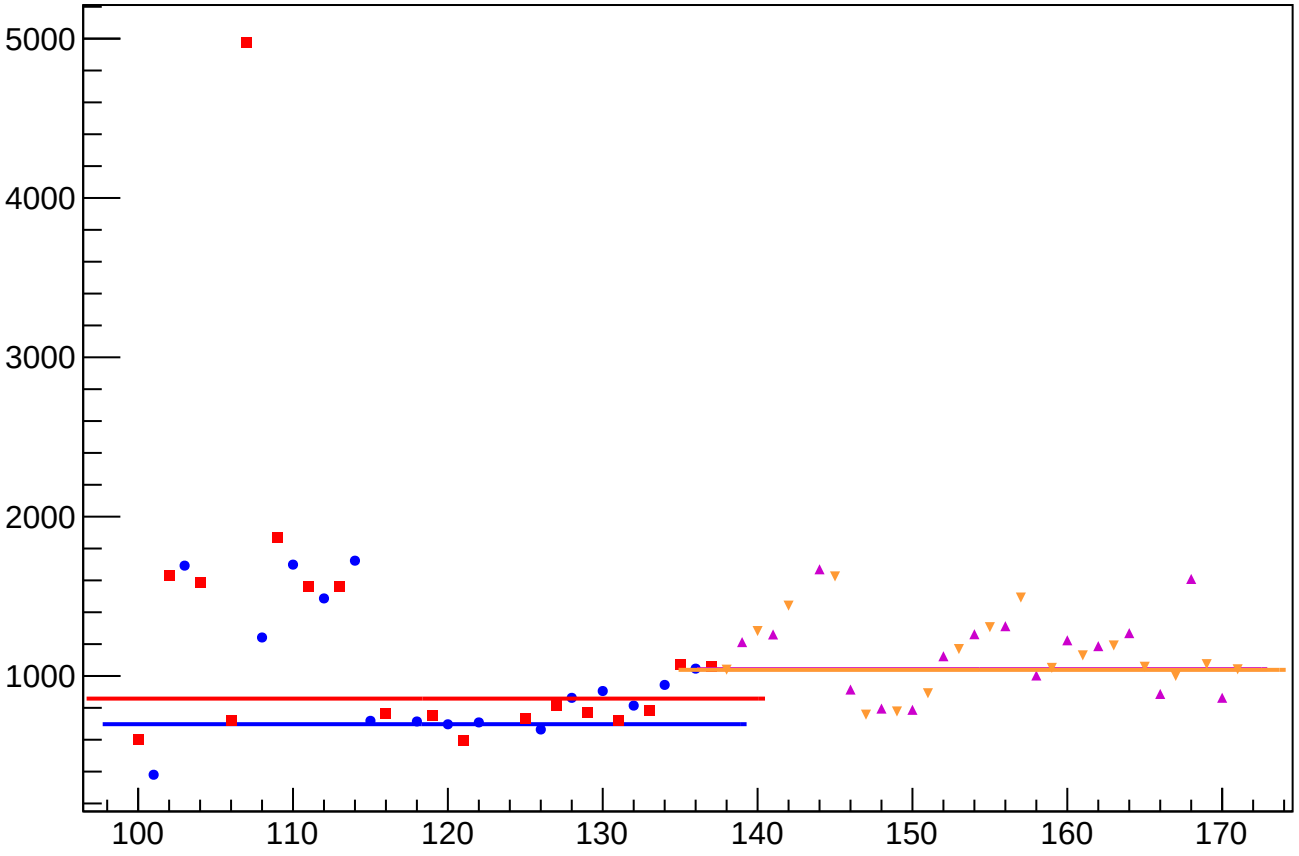
Left In: -174.077+/-295.382 χ^2/NDF:8.7/15

+ sign -259.034+/-204.340 χ^2/NDF: 46.4/32

All: -189.090+/-150.787 χ^2/NDF: 74.6/66

- sign -105.470+/-223.425 χ^2/NDF: 27.9/33

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1038.520+/-0.206 χ^2/NDF:1074540.4/16

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

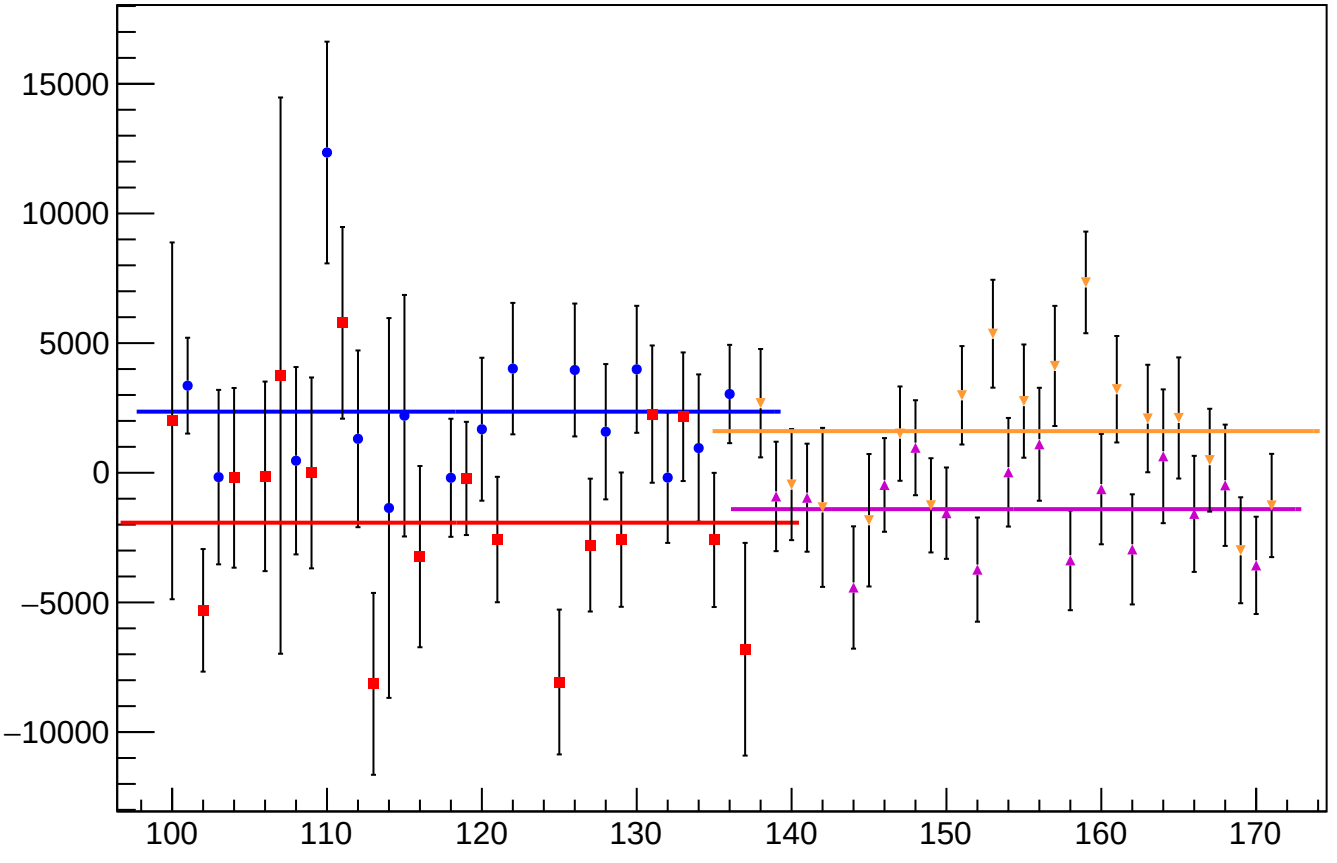
Left In: 1042.968+/-0.209 χ^2/NDF:1268842.5/15

+ sign 865.146+/-0.144 χ^2/NDF: 4902189.8/32

All: 910.110+/-0.107 χ^2/NDF: 8601037.7/66

- sign 963.866+/-0.158 χ^2/NDF: 3486230.5/33

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1605.386+/-507.924 χ^2/NDF:28.4/16

Right Out: -1924.824+/-706.809 χ^2/NDF: 23.4/17

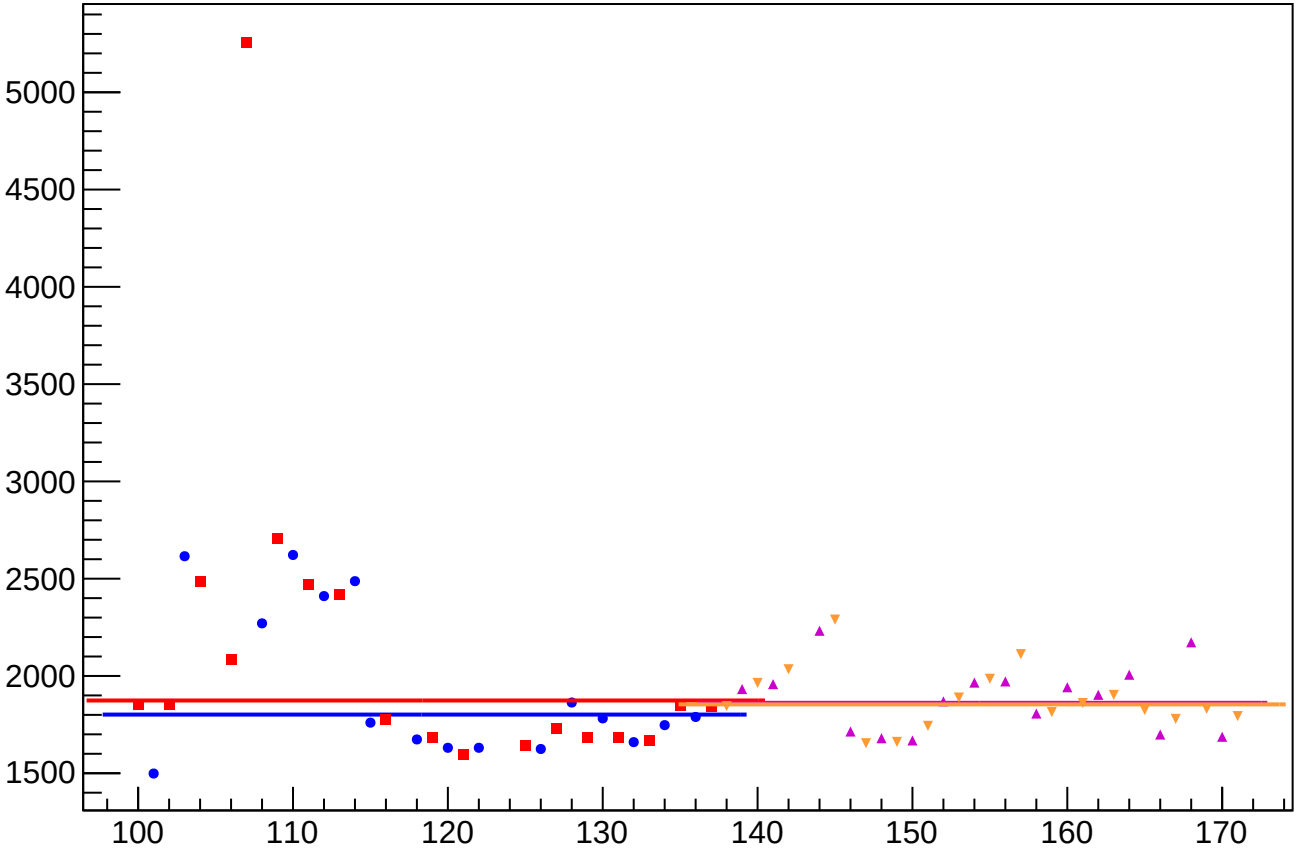
Left In: -1402.841+/-514.528 χ^2/NDF:10.7/15

+ sign 1875.093+/-406.708 χ^2/NDF: 40.2/32

All: 184.708+/-290.809 χ^2/NDF: 110.0/66

- sign -1583.642+/-415.982 χ^2/NDF: 34.5/33

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1853.948+/-0.359 χ^2/NDF:163737.8/16

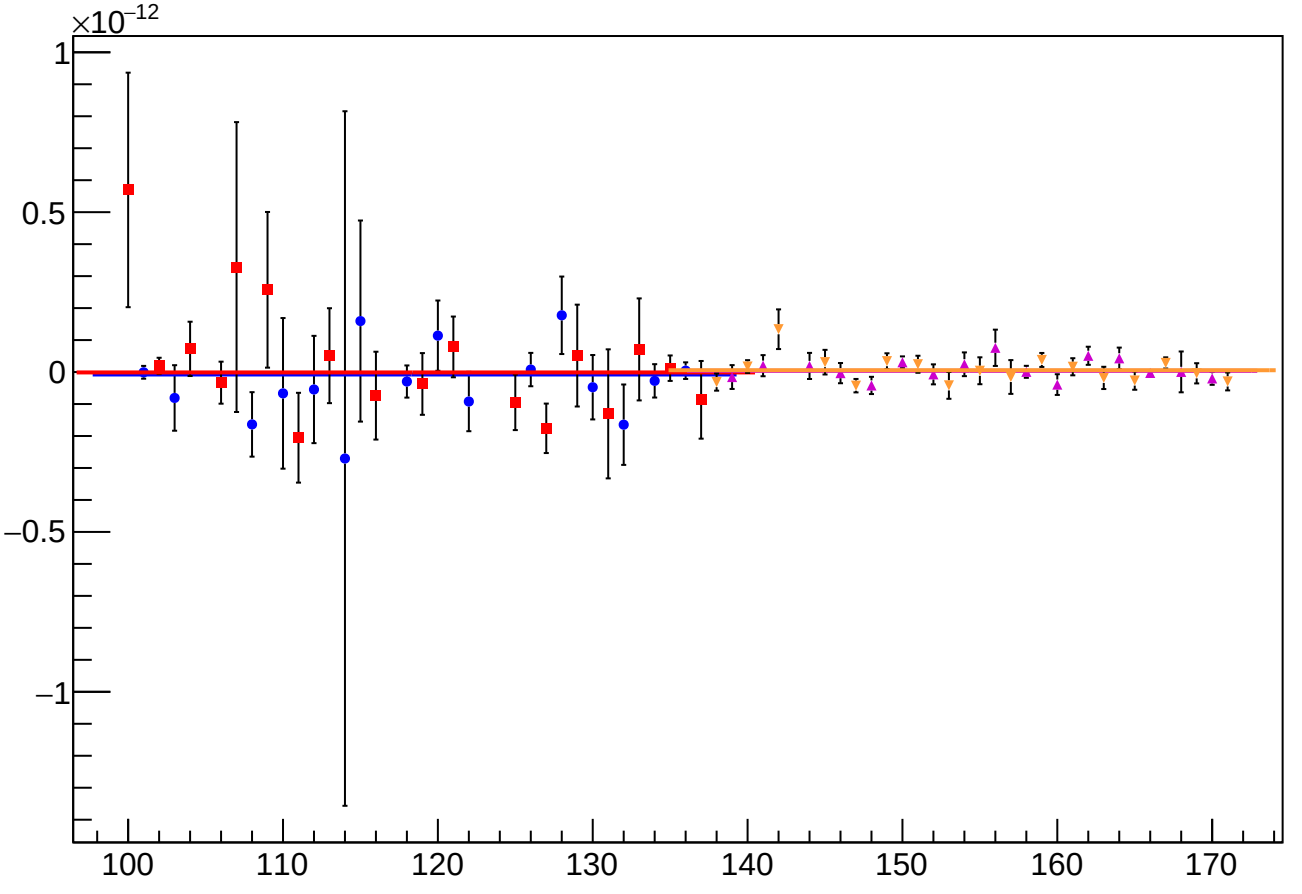
Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1861.977+/-0.364 χ^2/NDF:197804.5/15

+ sign 1835.138+/-0.288 χ^2/NDF: 572084.2/32

All: 1850.286+/-0.206 χ^2/NDF: 1345851.6/66

- sign 1866.134+/-0.294 χ^2/NDF: 768090.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/16

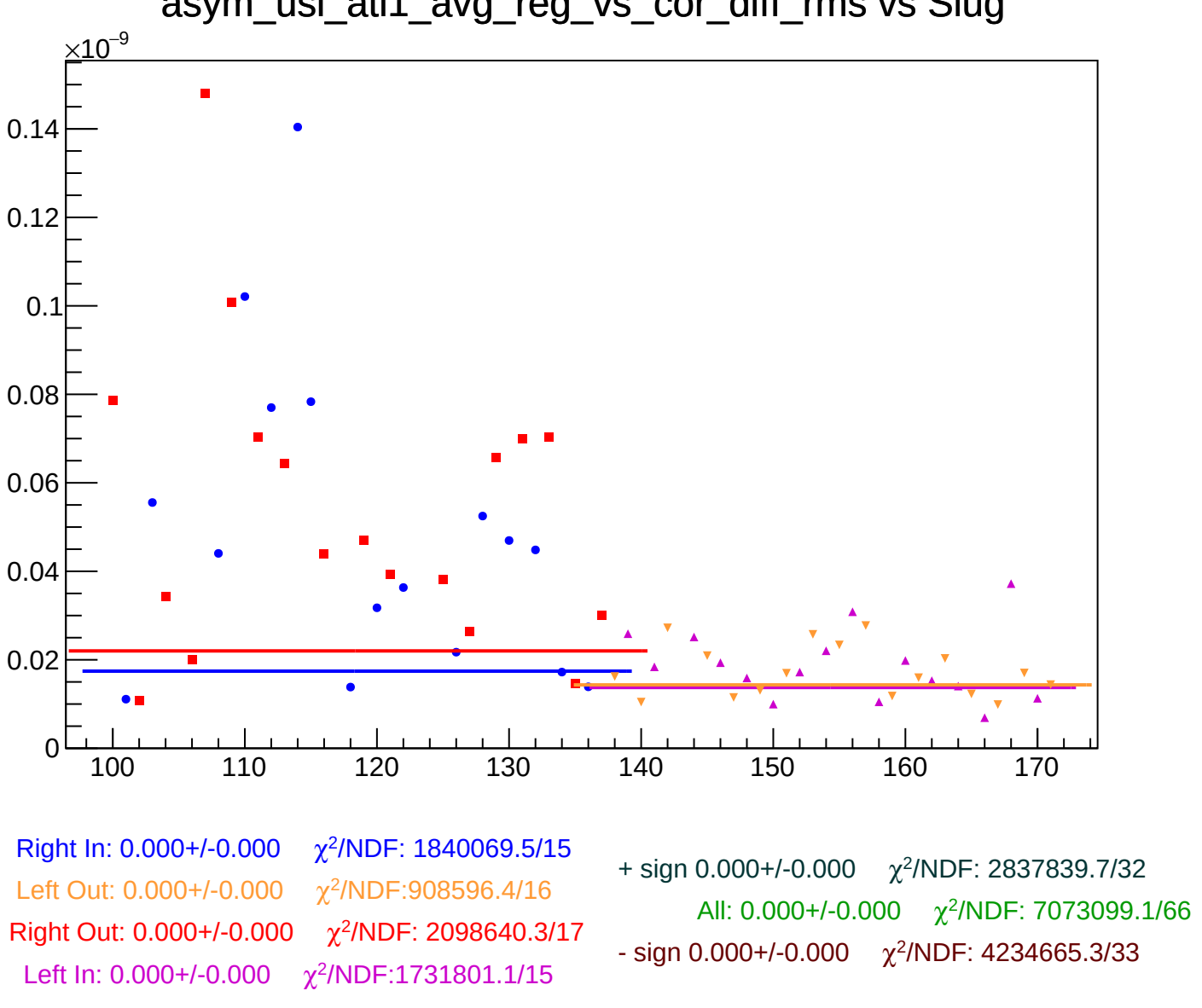
Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.3/15

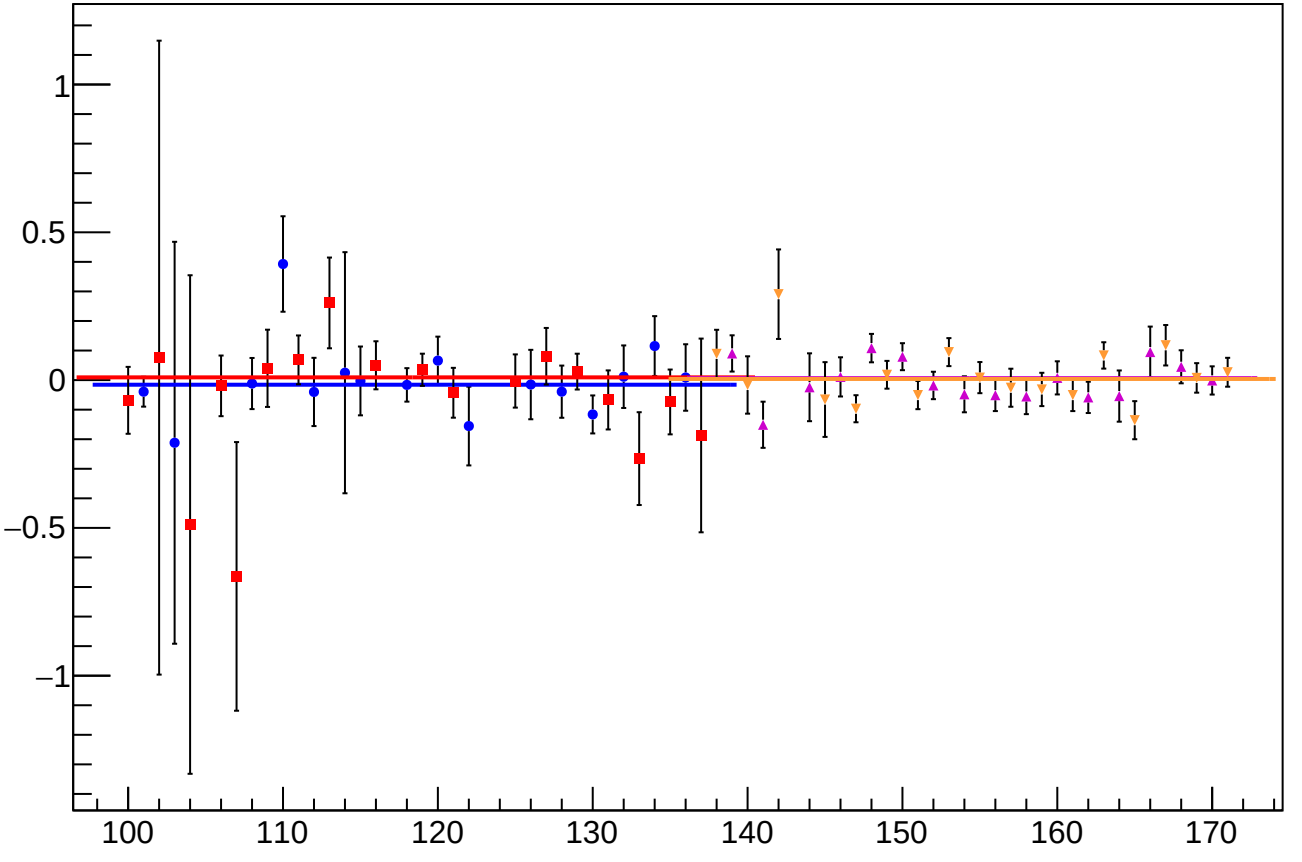
+ sign 0.000+/-0.000 χ^2/NDF: 34.0/32

All: 0.000+/-0.000 χ^2/NDF: 66.0/66

- sign 0.000+/-0.000 χ^2/NDF: 32.0/33


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:908596.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1731801.1/15
+ sign 0.000+/-0.000 χ²/NDF: 2837839.7/32
All: 0.000+/-0.000 χ²/NDF: 7073099.1/66
- sign 0.000+/-0.000 χ²/NDF: 4234665.3/33

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

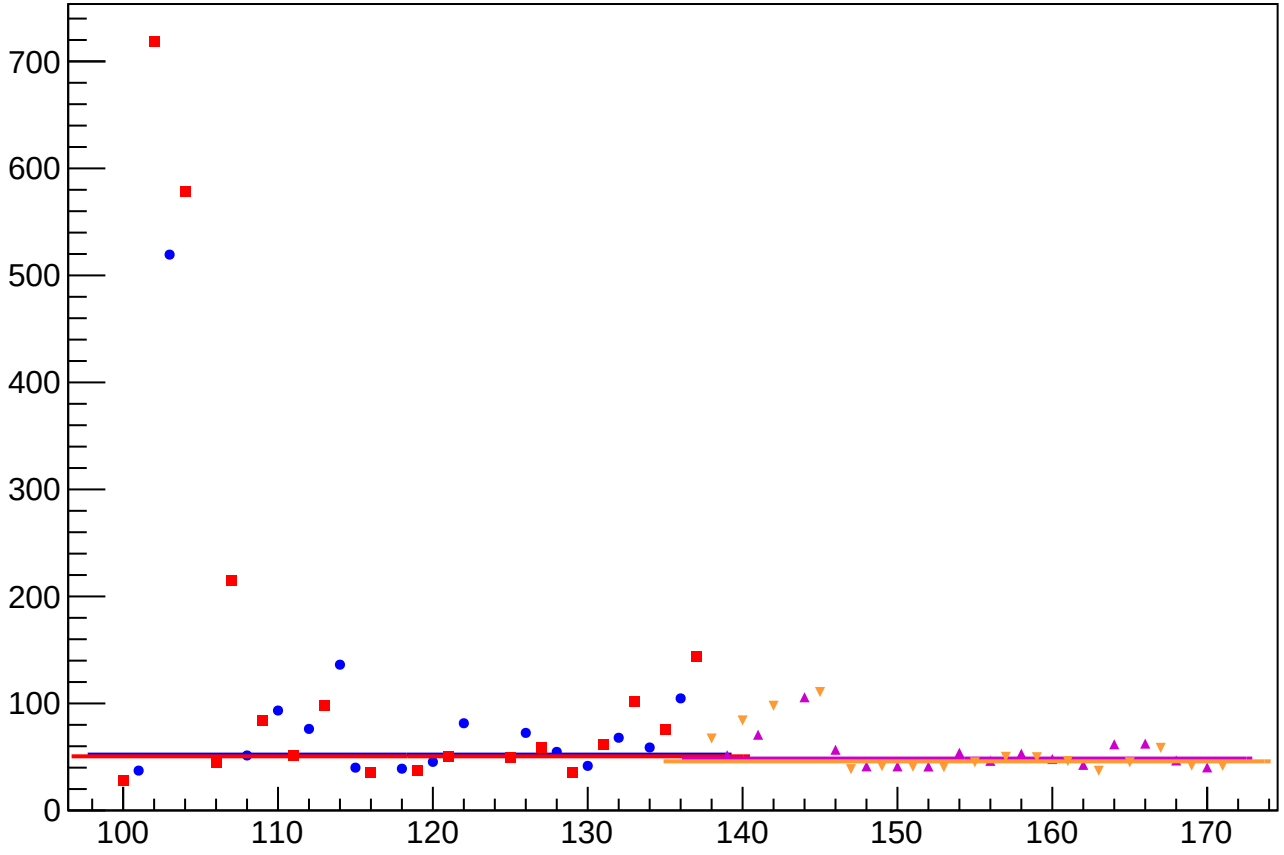
Left In: 0.007+/-0.015 χ^2/NDF:19.9/15

+ sign -0.001+/-0.012 χ^2/NDF: 41.2/32

All: 0.003+/-0.009 χ^2/NDF: 73.8/66

- sign 0.007+/-0.012 χ^2/NDF: 32.4/33

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: 45.895+/-0.010 χ^2/NDF:1518720.3/16

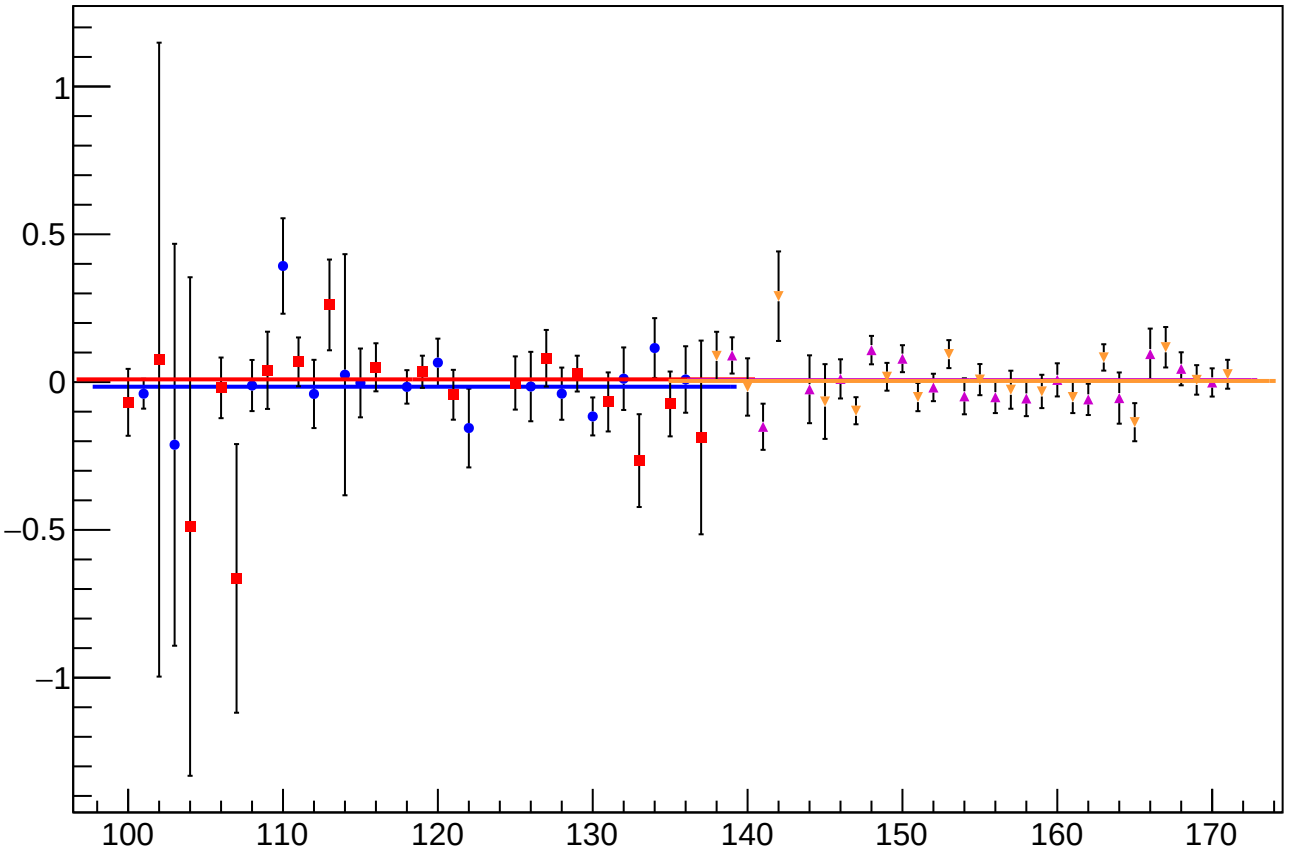
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.491+/-0.010 χ^2/NDF:1060157.2/15

+ sign 47.609+/-0.008 χ^2/NDF: 3898157.9/32

All: 48.304+/-0.006 χ^2/NDF: 8035576.8/66

- sign 49.069+/-0.009 χ^2/NDF: 4122902.8/33



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

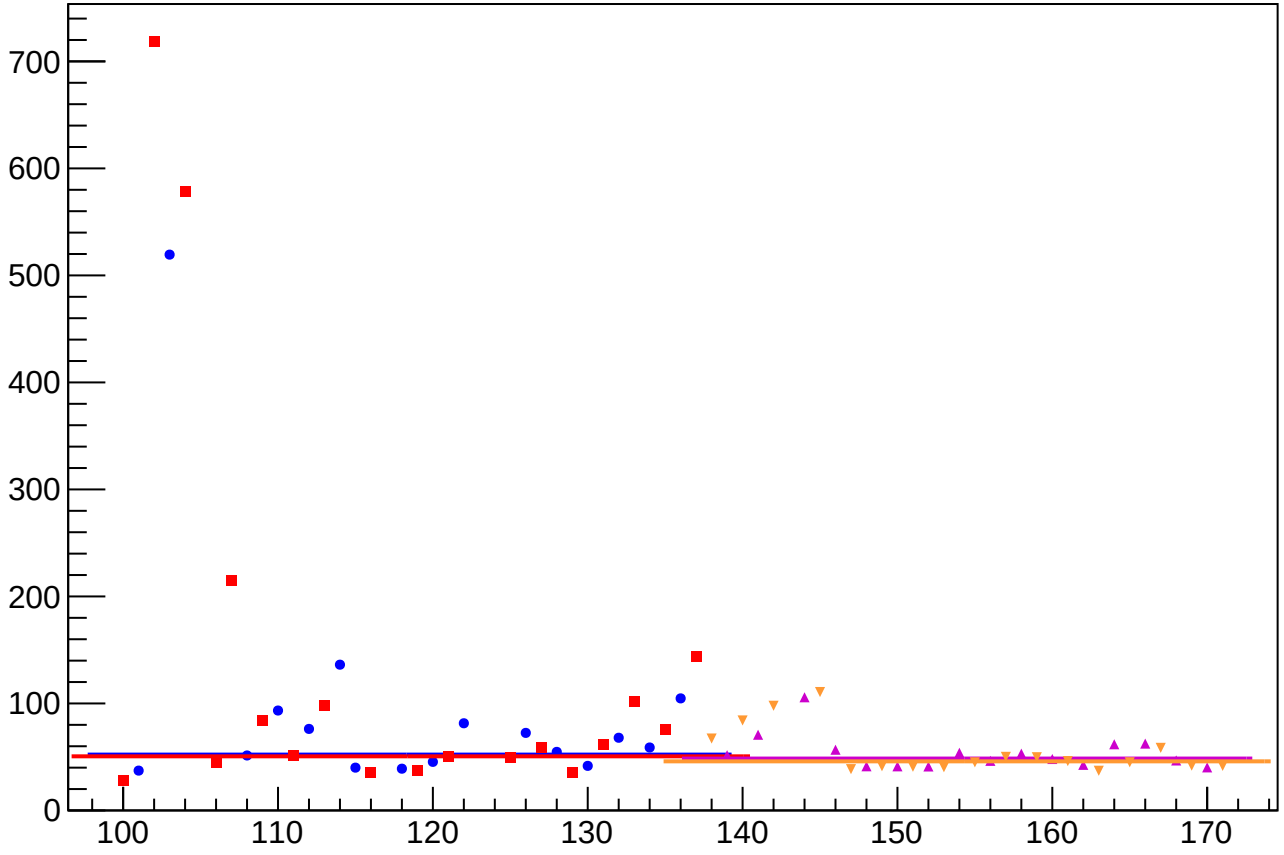
Left In: 0.007+/-0.015 χ^2/NDF:19.9/15

+ sign -0.001+/-0.012 χ^2/NDF: 41.2/32

All: 0.003+/-0.009 χ^2/NDF: 73.8/66

- sign 0.007+/-0.012 χ^2/NDF: 32.4/33

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: 45.895+/-0.010 χ^2/NDF:1518720.3/16

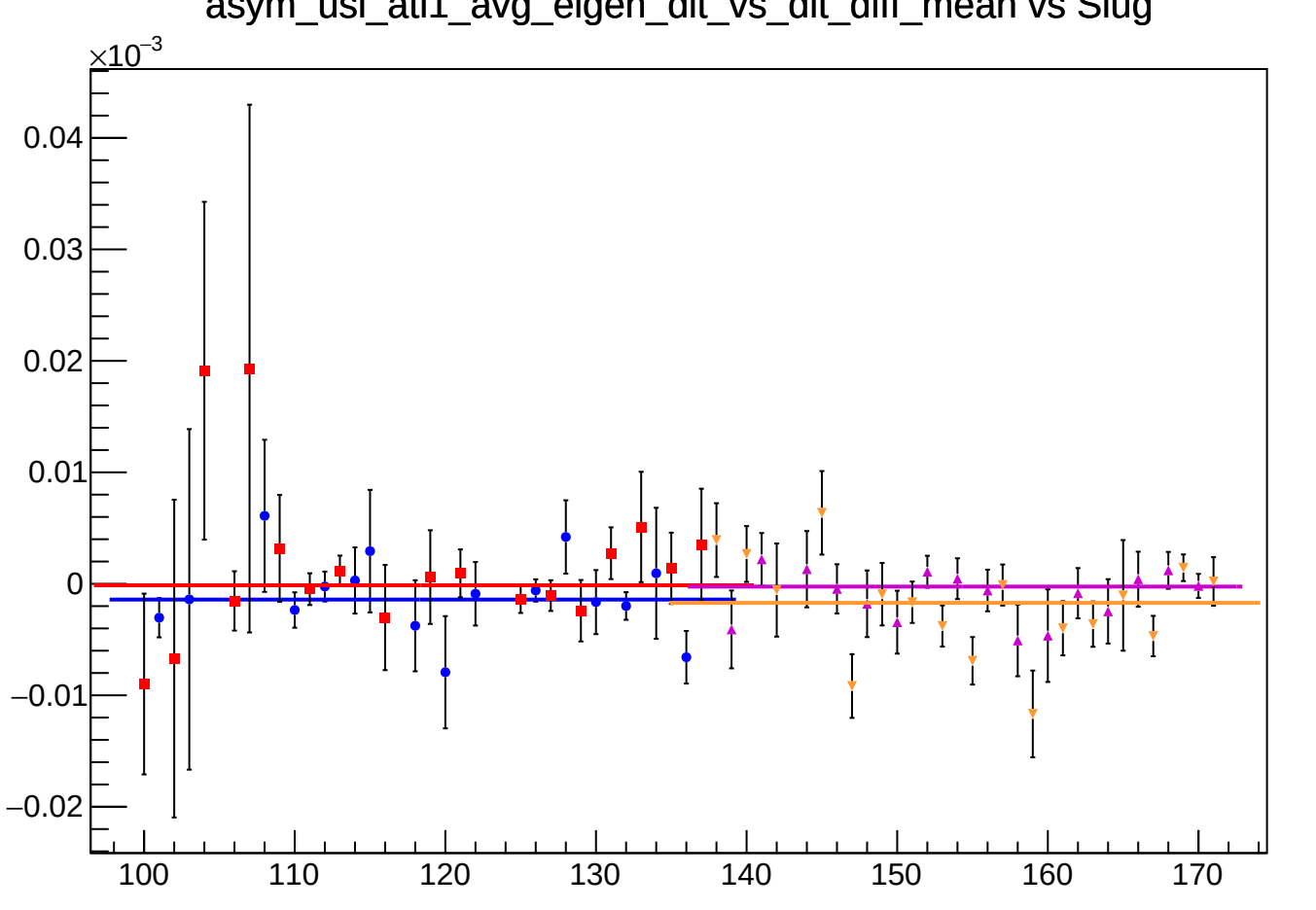
Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

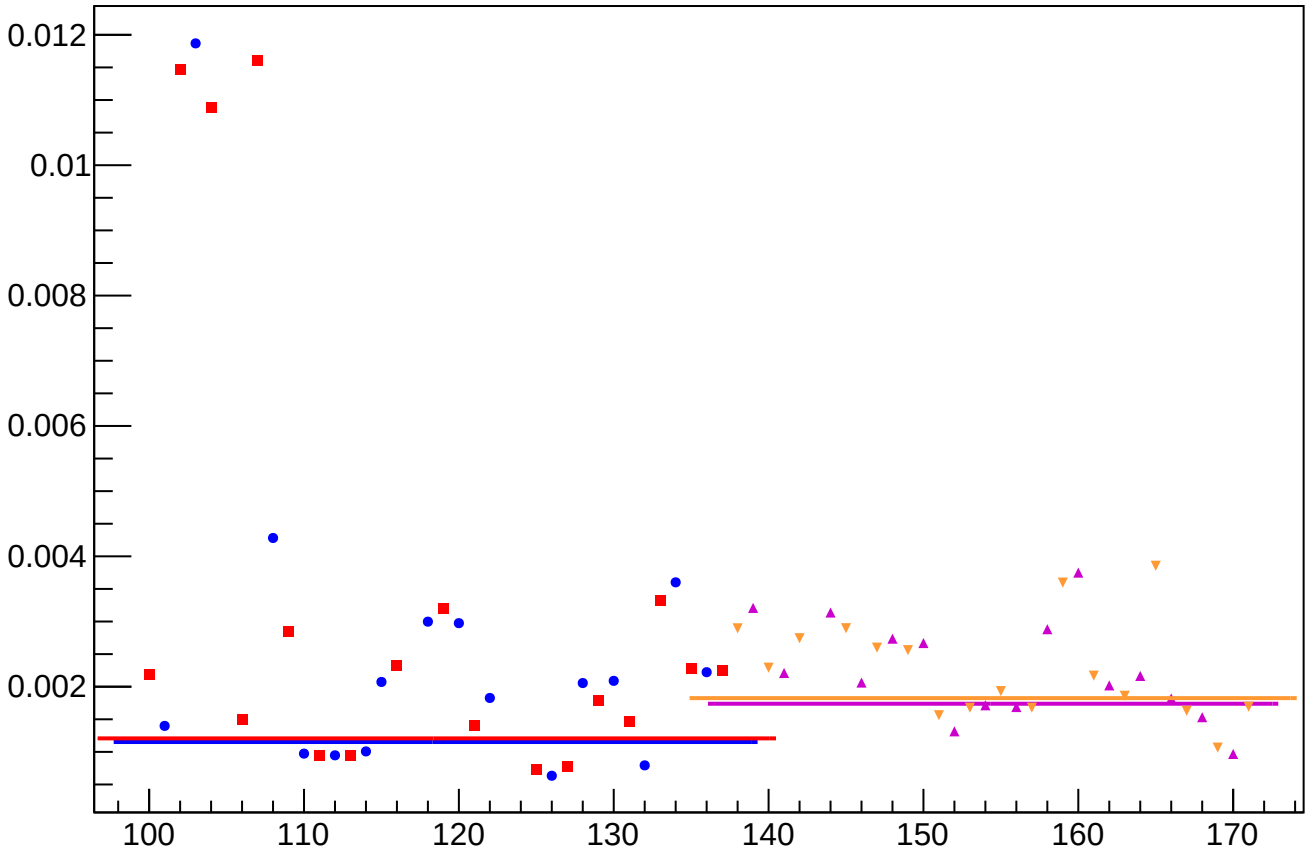
Left In: 48.491+/-0.010 χ^2/NDF:1060157.2/15

+ sign 47.609+/-0.008 χ^2/NDF: 3898157.9/32

All: 48.304+/-0.006 χ^2/NDF: 8035576.8/66

- sign 49.069+/-0.009 χ^2/NDF: 4122902.8/33


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:44.3/16
Right Out: -0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:10.0/15
+ sign -0.000+/-0.000 χ²/NDF: 59.4/32
All: -0.000+/-0.000 χ²/NDF: 87.6/66
- sign -0.000+/-0.000 χ²/NDF: 21.6/33



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2522059.3/16

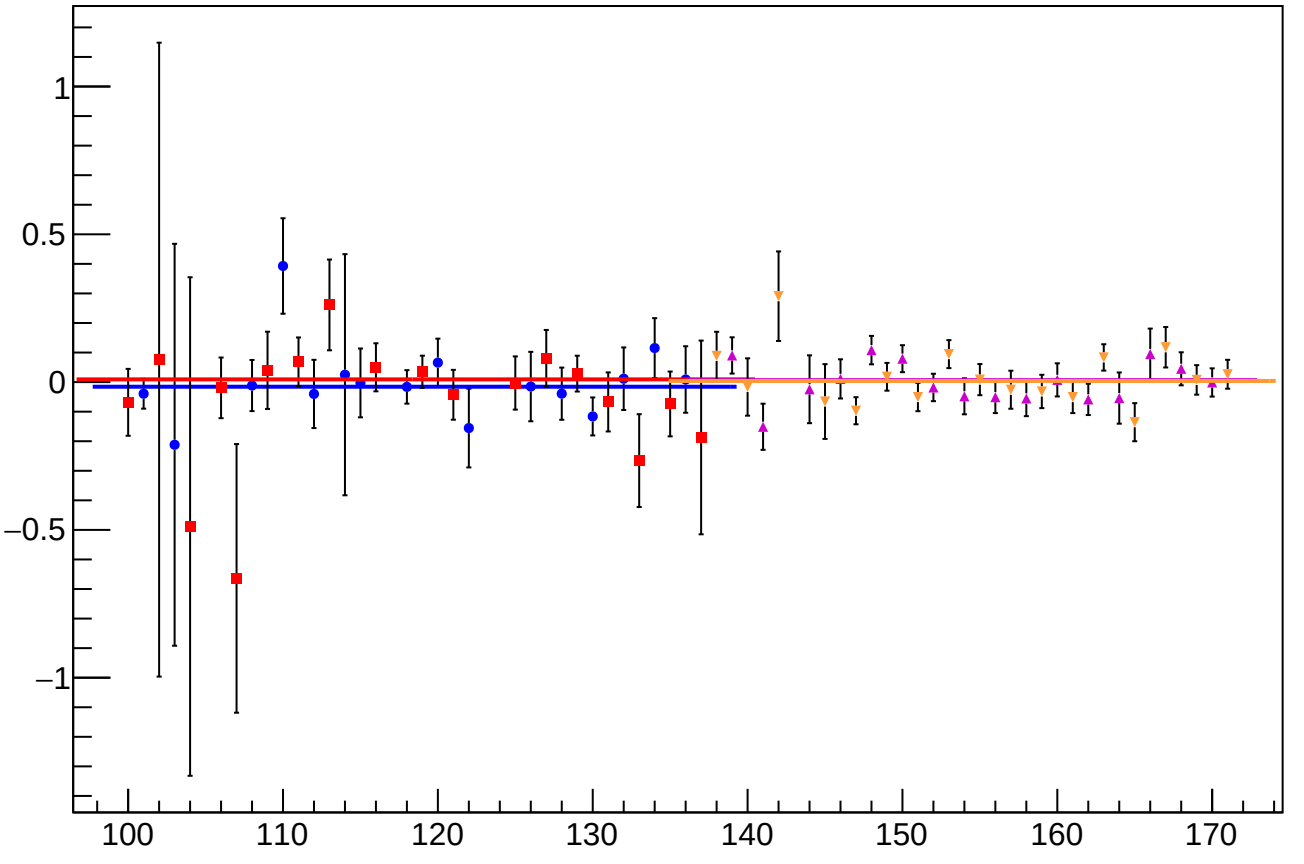
Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:3282291.2/15

+ sign 0.001+/-0.000 χ^2/NDF: 8339461.0/32

All: 0.001+/-0.000 χ^2/NDF: 17121935.0/66

- sign 0.001+/-0.000 χ^2/NDF: 8780379.9/33



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

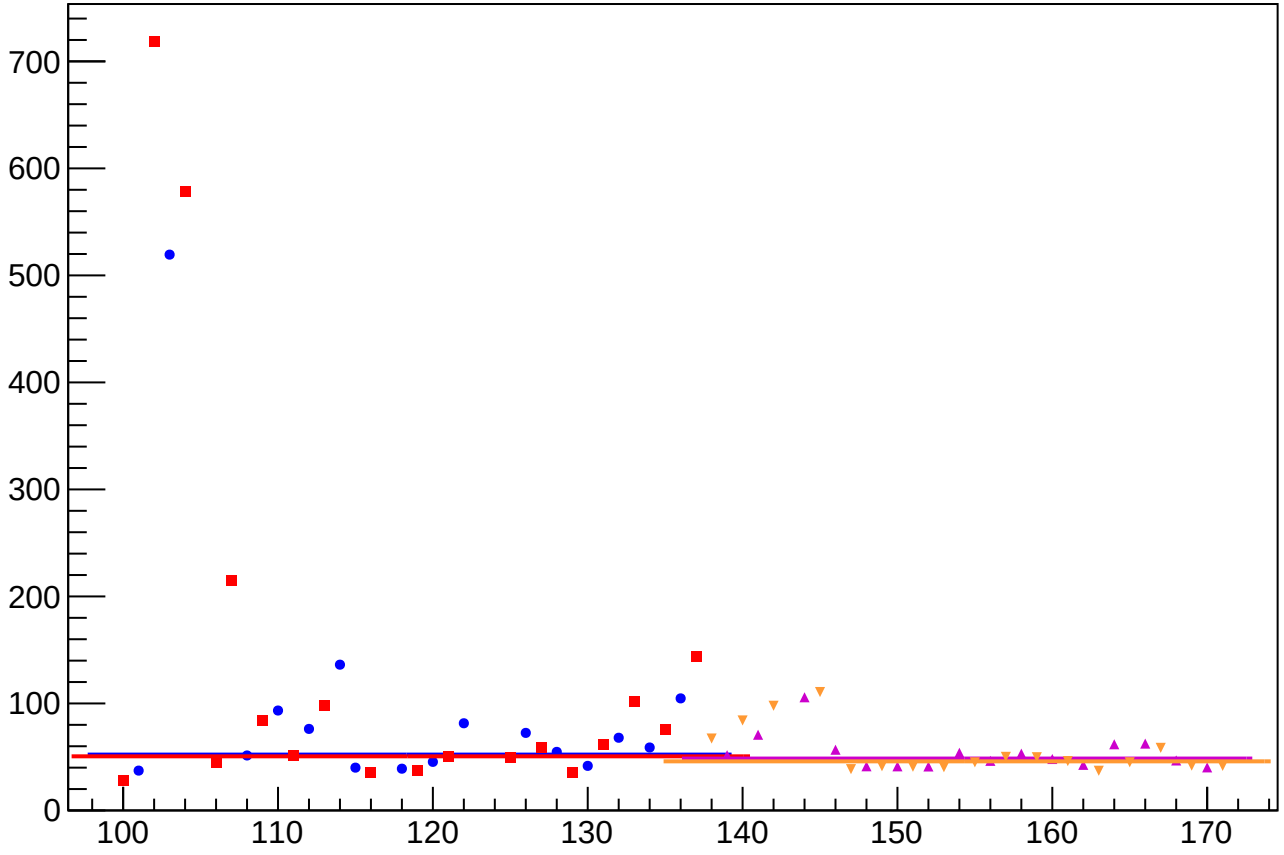
Left In: 0.007+/-0.015 χ^2/NDF:19.9/15

+ sign -0.001+/-0.012 χ^2/NDF: 41.2/32

All: 0.003+/-0.009 χ^2/NDF: 73.8/66

- sign 0.007+/-0.012 χ^2/NDF: 32.4/33

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: 45.895+/-0.010 χ^2/NDF:1518702.9/16

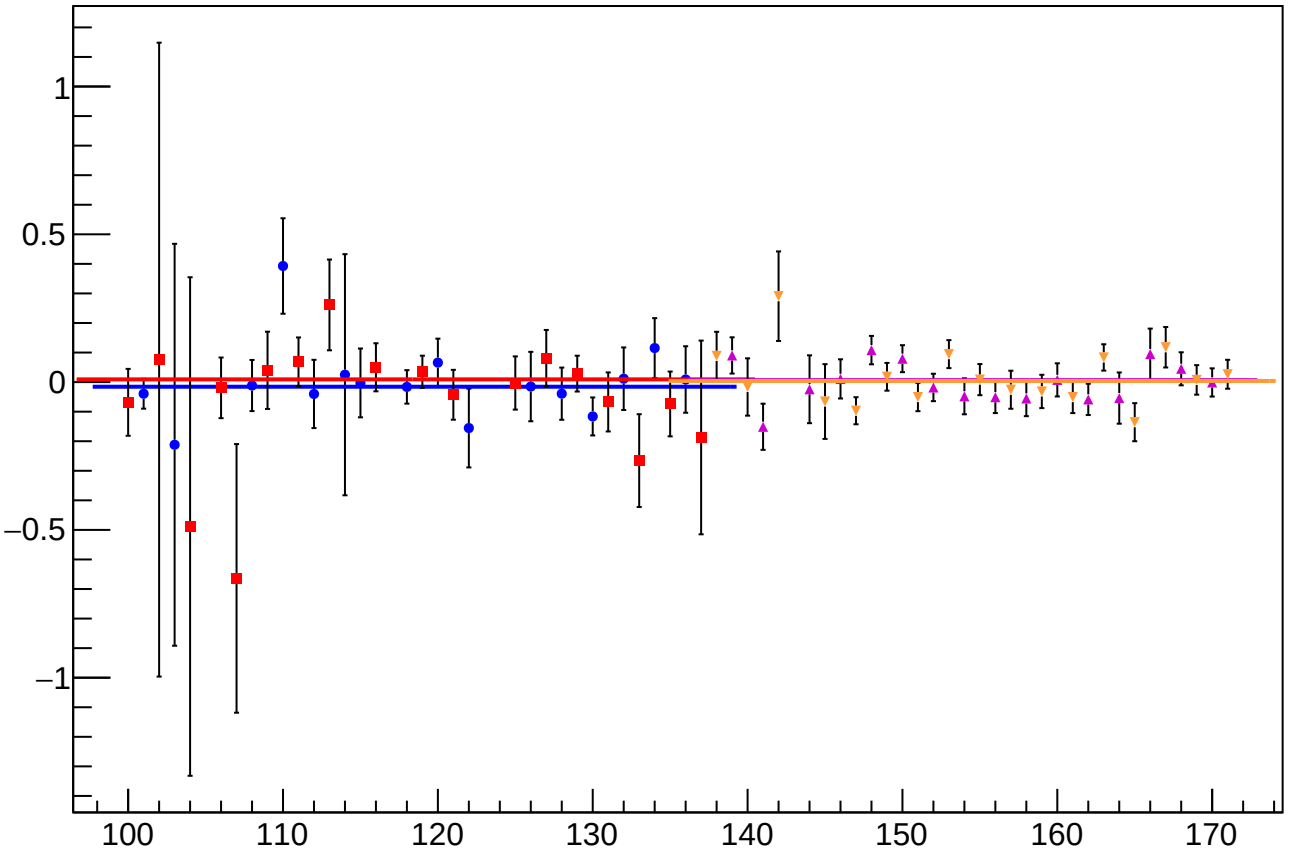
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.491+/-0.010 χ^2/NDF:1060165.7/15

+ sign 47.609+/-0.008 χ^2/NDF: 3898121.6/32

All: 48.304+/-0.006 χ^2/NDF: 8035526.7/66

- sign 49.069+/-0.009 χ^2/NDF: 4122893.3/33



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

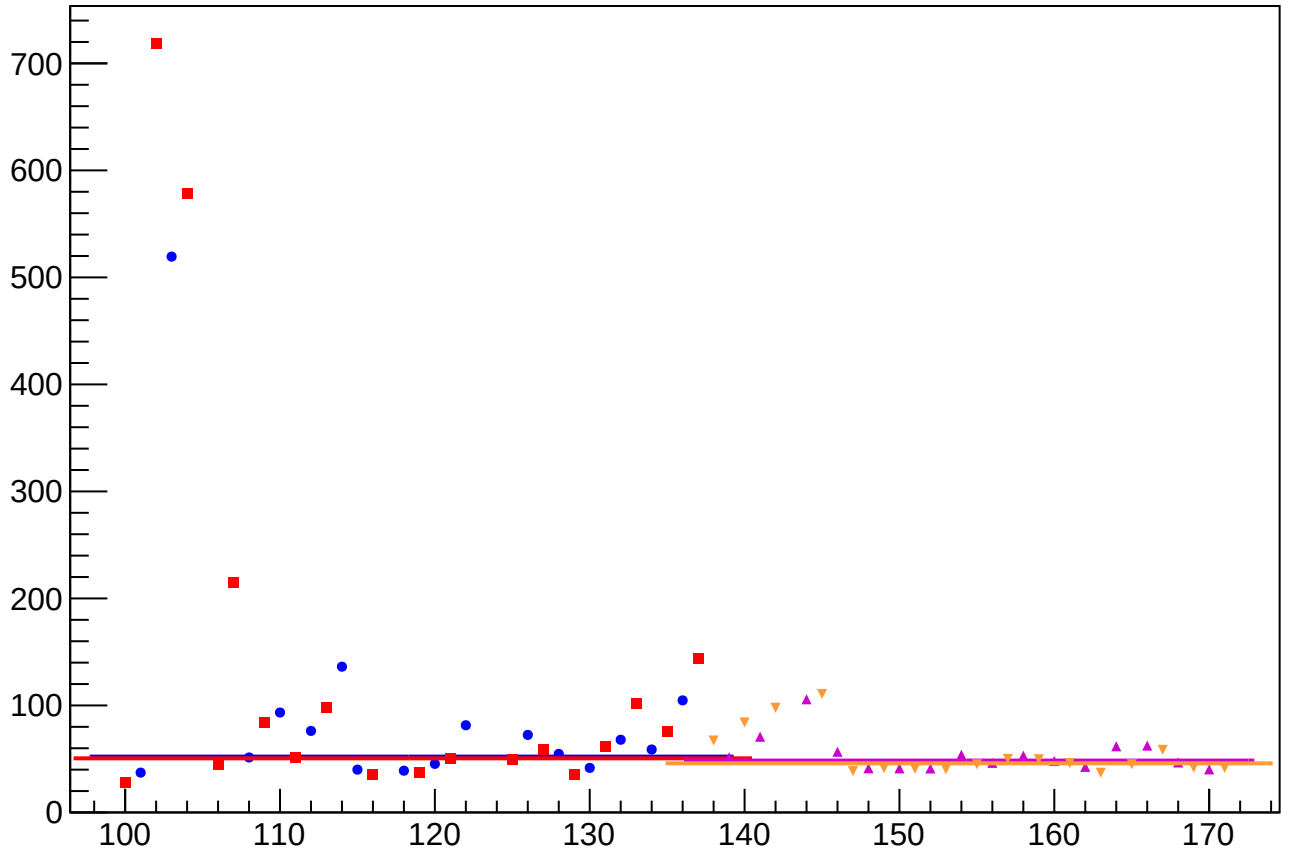
Right Out: 0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.007+/-0.015 χ^2/NDF:19.9/15

+ sign -0.001+/-0.012 χ^2/NDF: 41.2/32

All: 0.003+/-0.009 χ^2/NDF: 73.8/66

- sign 0.007+/-0.012 χ^2/NDF: 32.4/33



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 45.895+/-0.010 χ^2/NDF:1518702.9/16

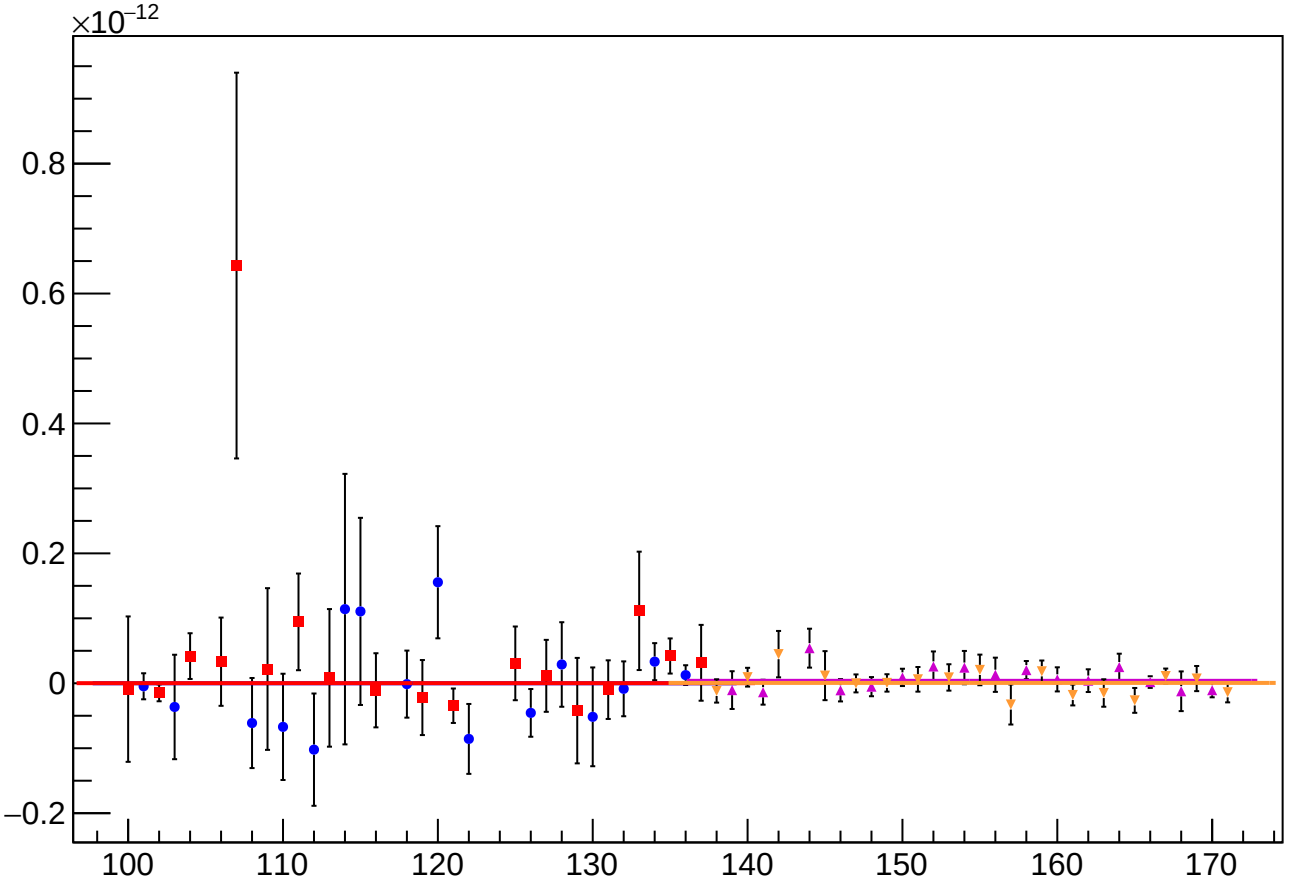
Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.491+/-0.010 χ^2/NDF:1060165.7/15

+ sign 47.609+/-0.008 χ^2/NDF: 3898121.6/32

All: 48.304+/-0.006 χ^2/NDF: 8035526.7/66

- sign 49.069+/-0.009 χ^2/NDF: 4122893.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/16

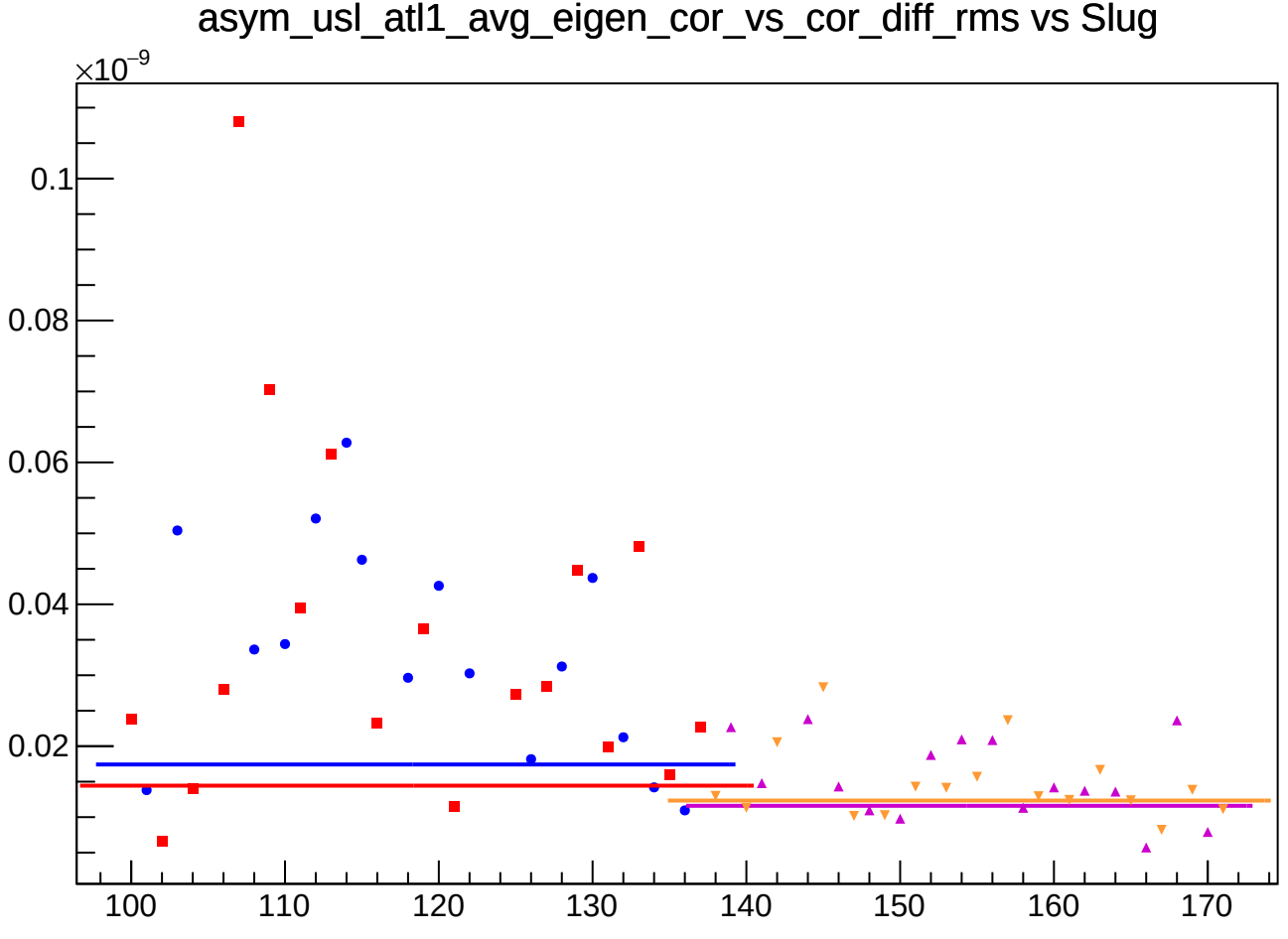
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/32

All: 0.000+/-0.000 χ^2/NDF: 53.2/66

- sign 0.000+/-0.000 χ^2/NDF: 27.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1286715.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

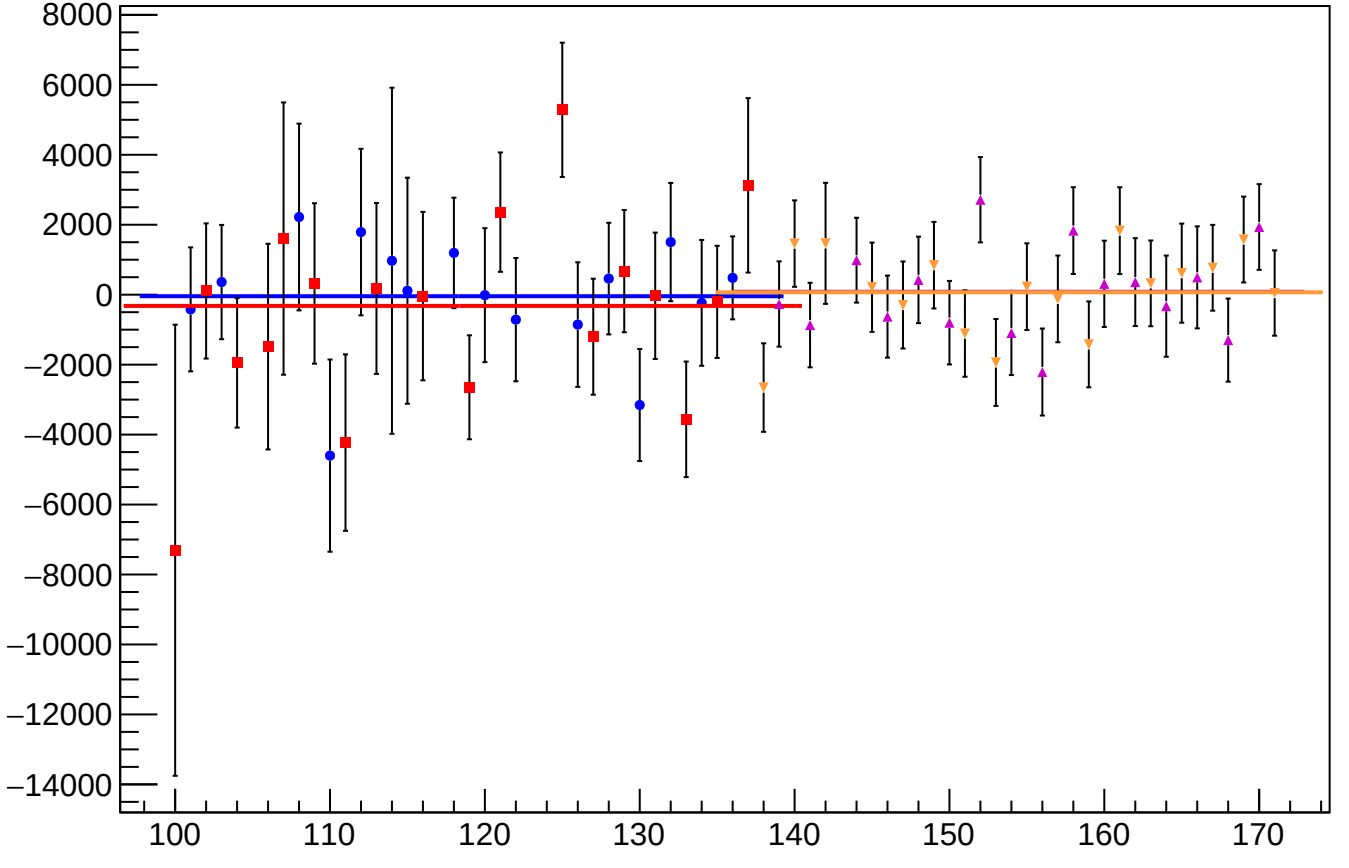
Left In: 0.000+/-0.000 χ^2/NDF:2957507.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 3996923.3/32

All: 0.000+/-0.000 χ^2/NDF: 10467020.5/66

- sign 0.000+/-0.000 χ^2/NDF: 6384727.8/33

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.641+/-307.032 χ^2/NDF:16.1/16

Right Out: -321.266+/-474.939 χ^2/NDF: 24.8/17

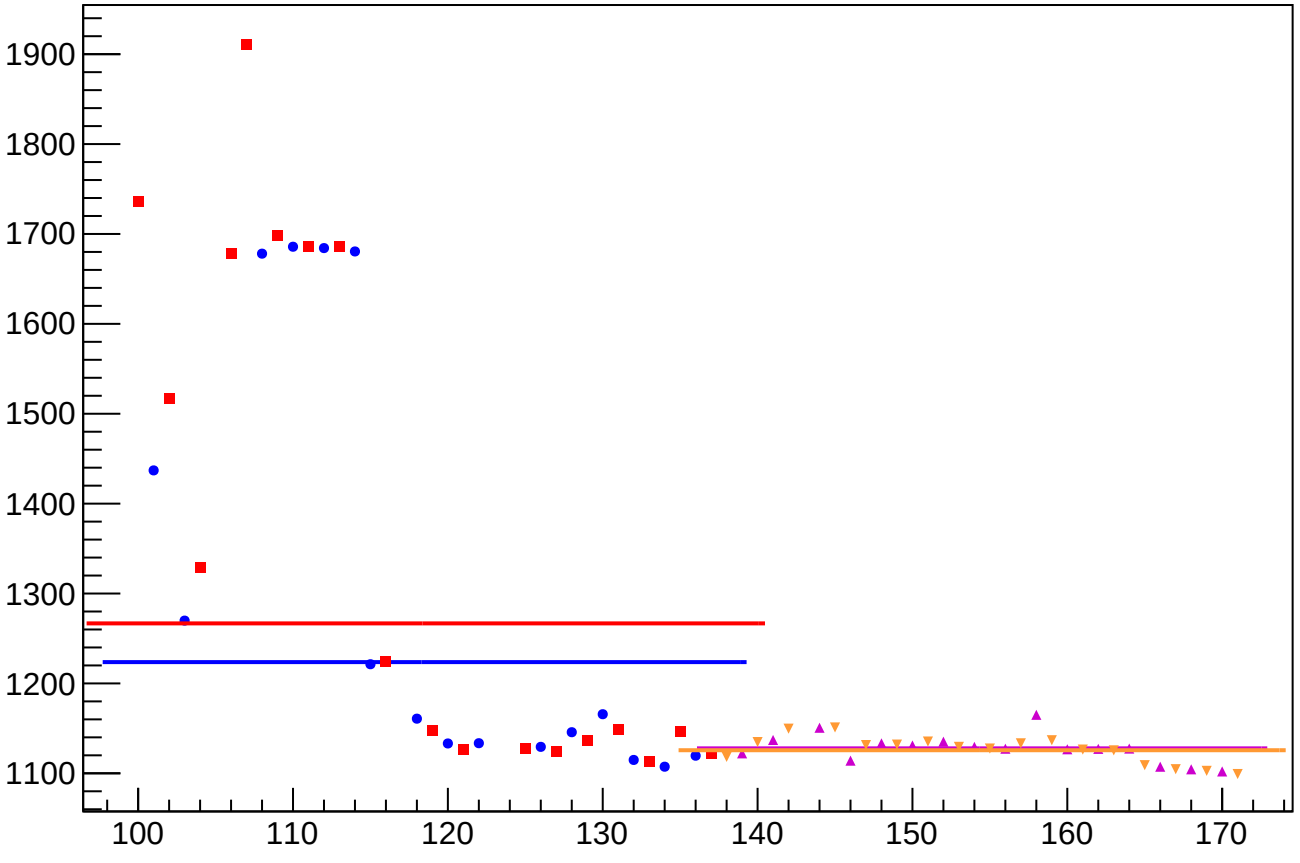
Left In: 83.315+/-310.177 χ^2/NDF:17.1/15

+ sign 33.942+/-255.239 χ^2/NDF: 26.3/32

All: -1.235+/-182.038 χ^2/NDF: 68.7/66

- sign -37.653+/-259.699 χ^2/NDF: 42.4/33

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

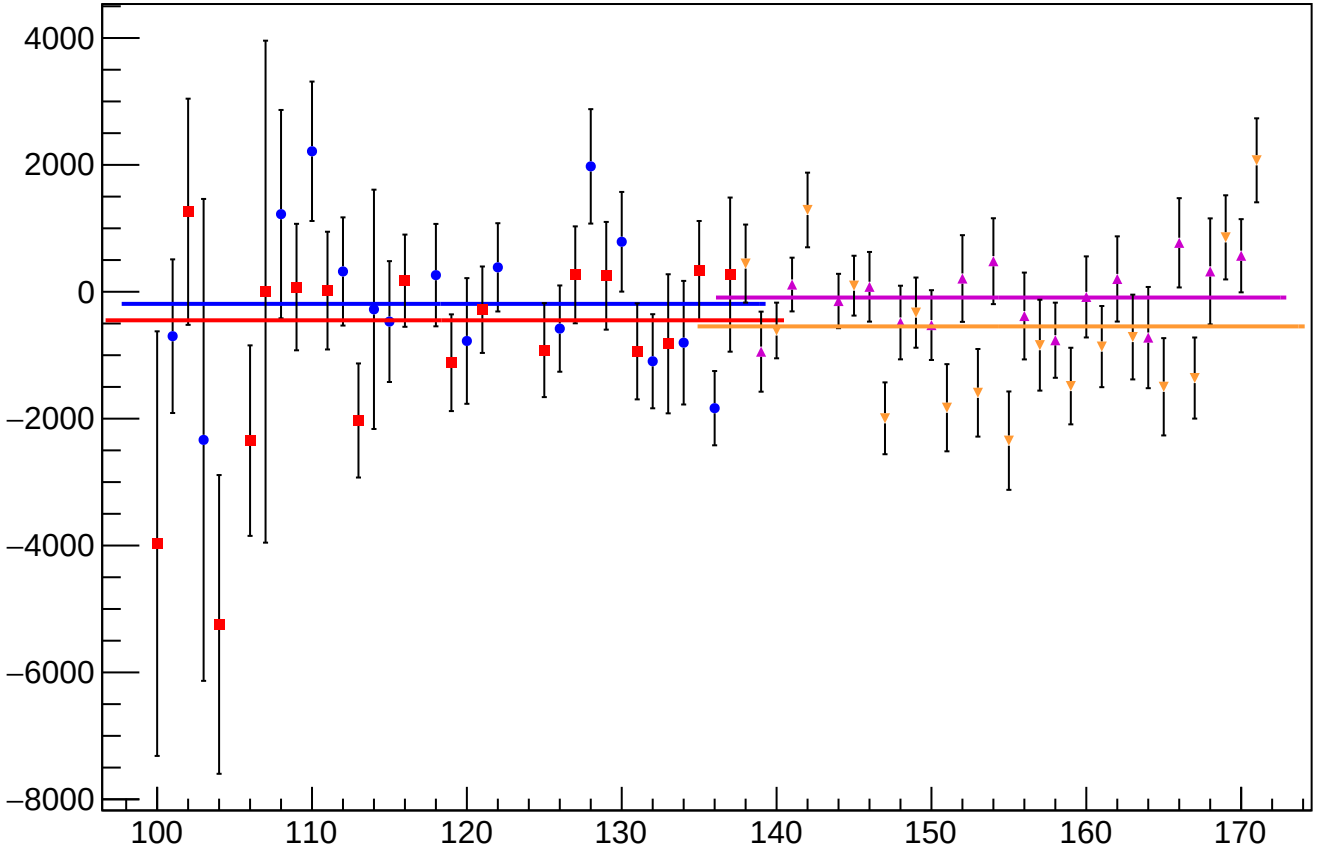
Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

+ sign 1155.961+/-0.180 χ^2/NDF: 362283.0/32

All: 1162.529+/-0.129 χ^2/NDF: 923079.0/66

- sign 1169.328+/-0.184 χ^2/NDF: 558101.0/33

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -545.906+/-148.136 χ^2/NDF:58.3/16

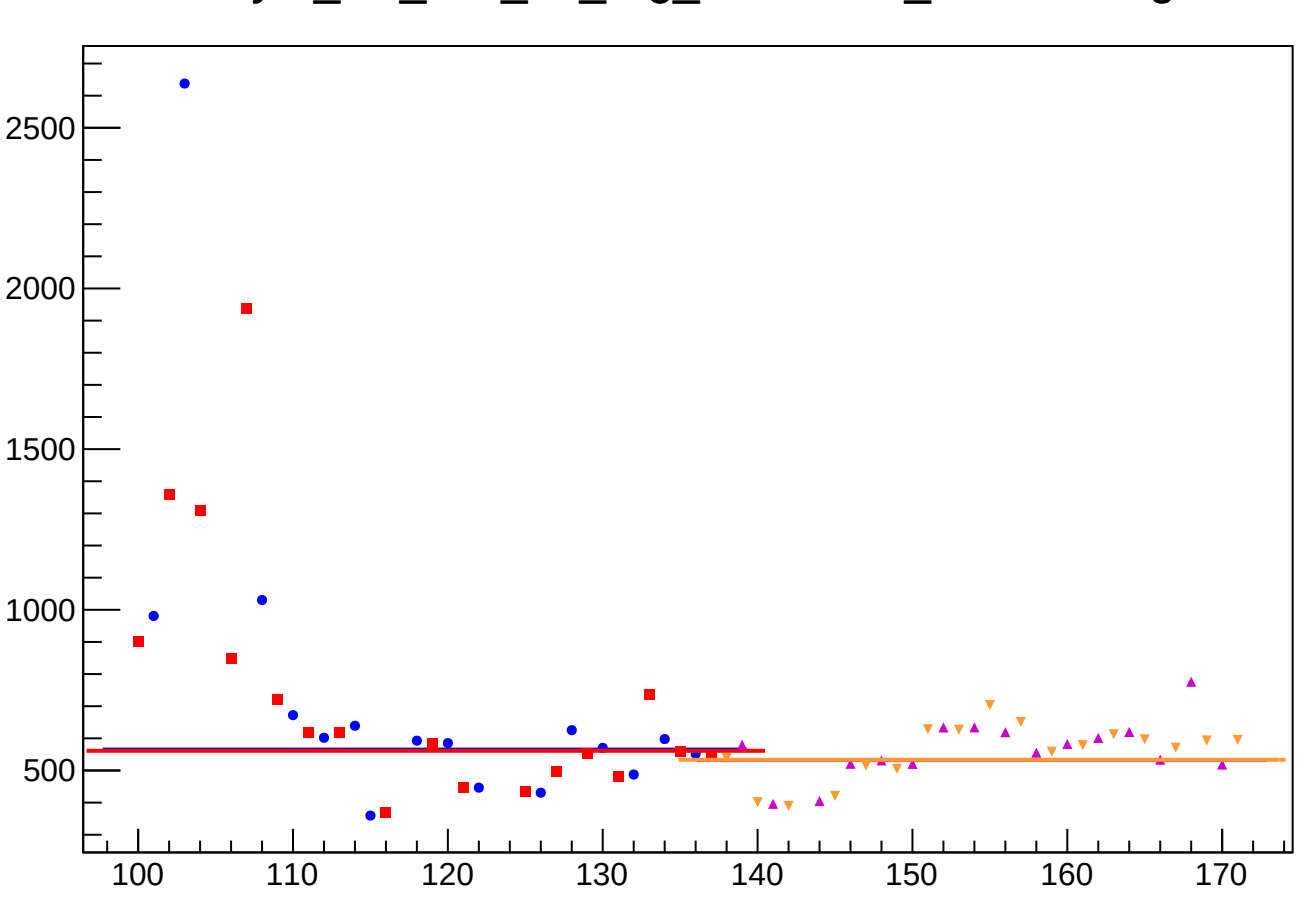
Right Out: -449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: -90.820+/-148.849 χ^2/NDF:9.5/15

+ sign -437.043+/-123.370 χ^2/NDF: 85.3/32

All: -319.637+/-87.401 χ^2/NDF: 115.2/66

- sign -201.338+/-123.838 χ^2/NDF: 28.1/33



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.316+/-0.105 χ^2/NDF:742475.3/16

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

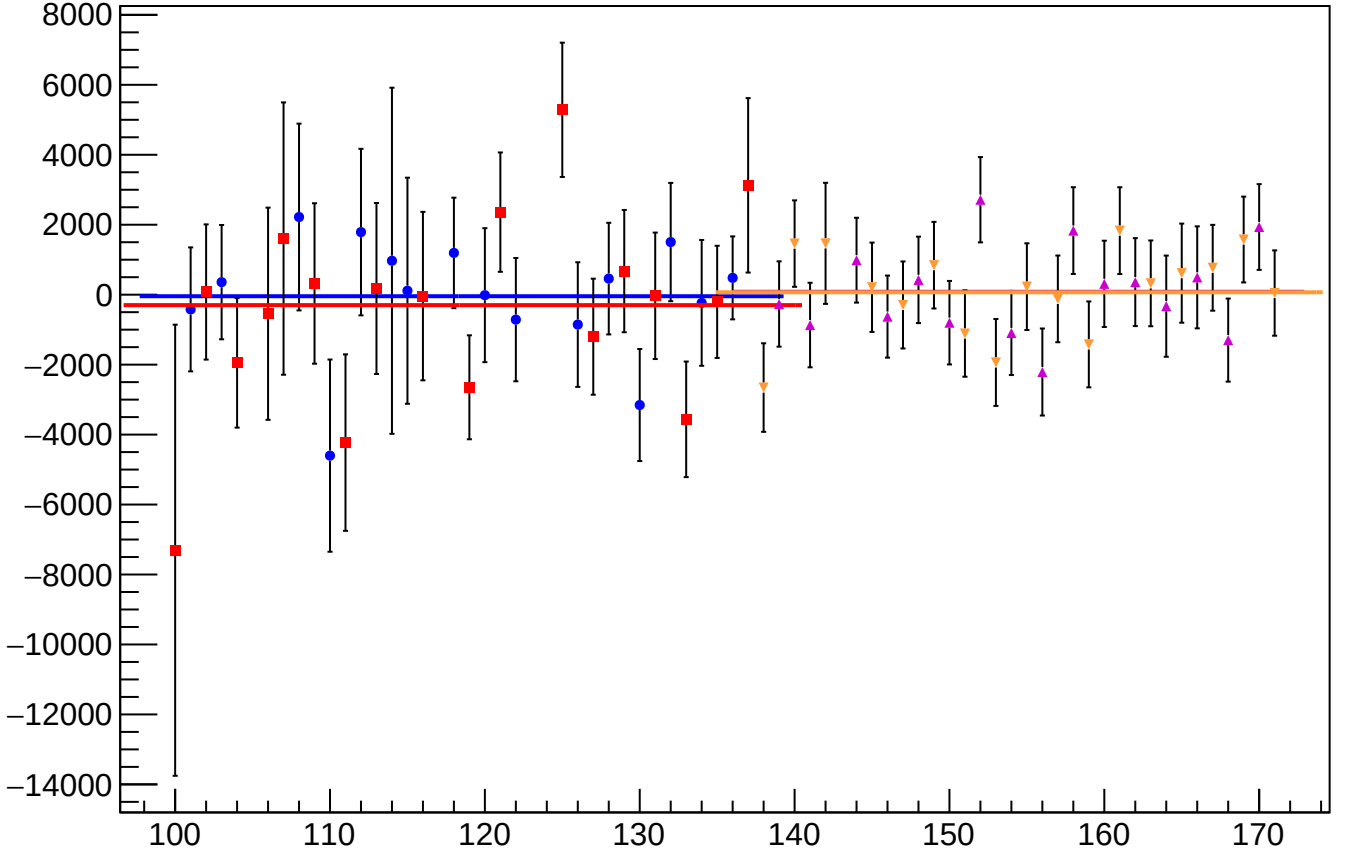
Left In: 532.349+/-0.105 χ^2/NDF:750119.0/15

+ sign 543.012+/-0.087 χ^2/NDF: 2054916.7/32

All: 542.131+/-0.062 χ^2/NDF: 4180678.3/66

- sign 541.244+/-0.088 χ^2/NDF: 2125556.9/33

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.670+/-307.032 χ^2/NDF:16.1/16

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

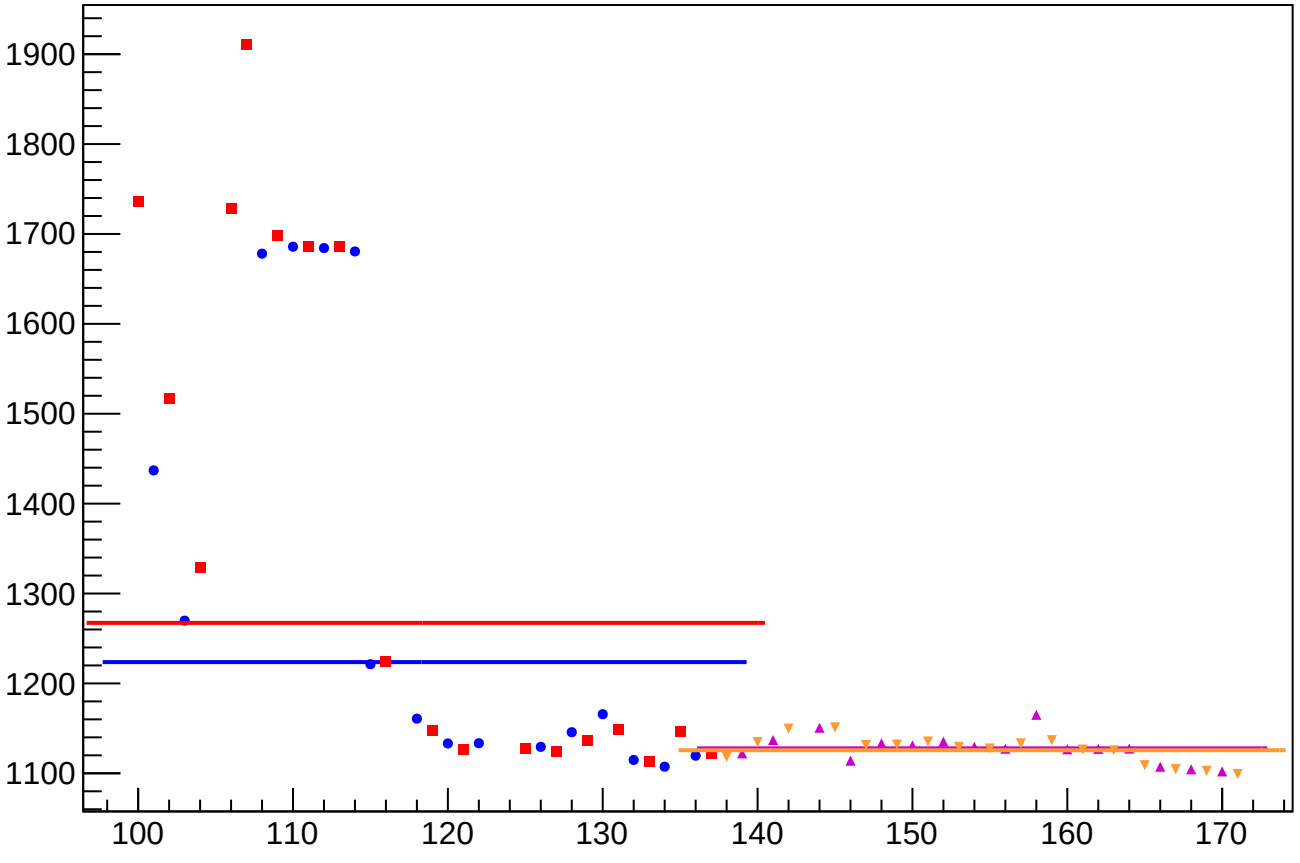
Left In: 83.280+/-310.177 χ^2/NDF:17.1/15

+ sign 33.887+/-255.239 χ^2/NDF: 26.3/32

All: 2.182+/-182.059 χ^2/NDF: 68.5/66

- sign -30.657+/-259.760 χ^2/NDF: 42.2/33

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

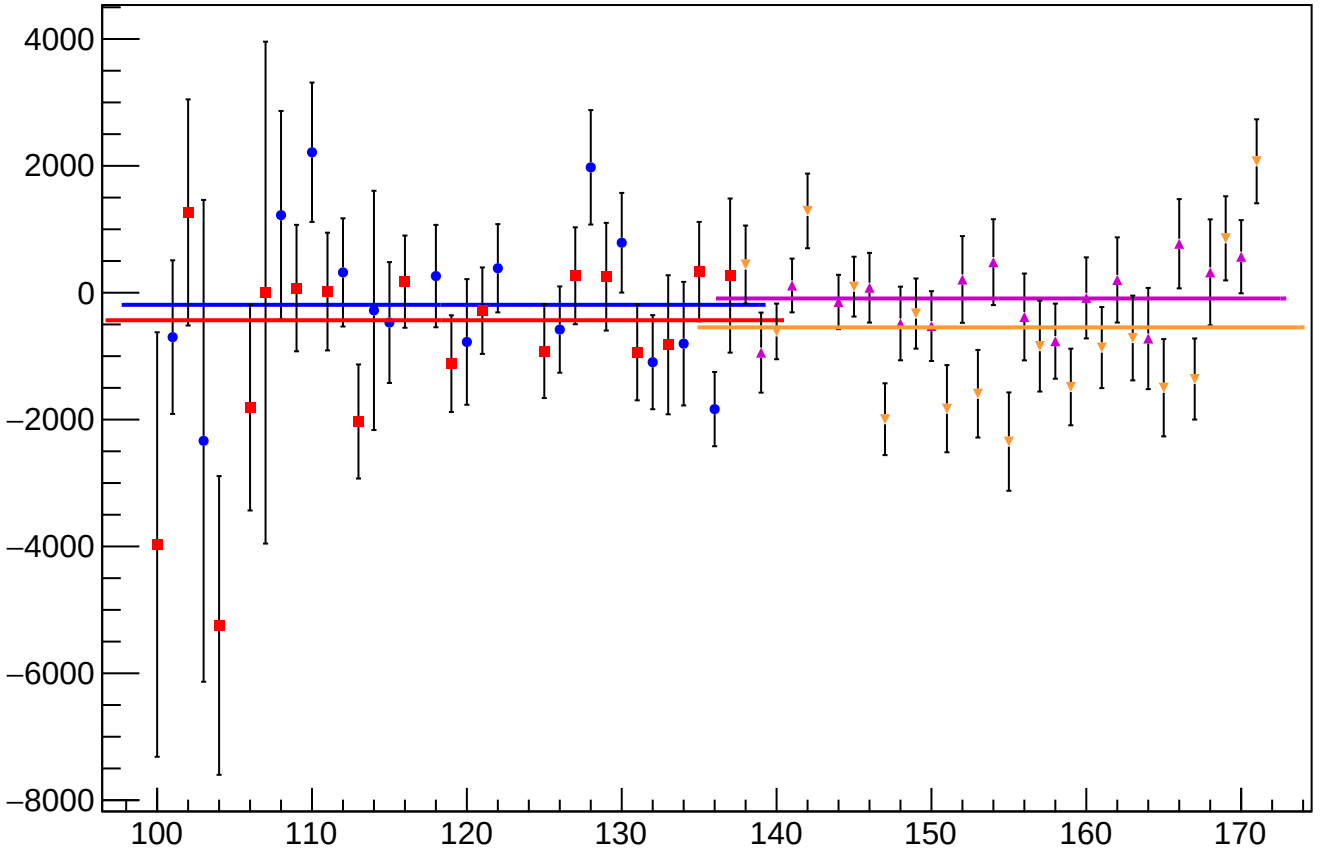
Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

+ sign 1155.961+/-0.180 χ^2/NDF: 362283.1/32

All: 1162.590+/-0.129 χ^2/NDF: 931143.5/66

- sign 1169.456+/-0.184 χ^2/NDF: 566114.2/33

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -545.943+/-148.136 χ^2/NDF:58.2/16

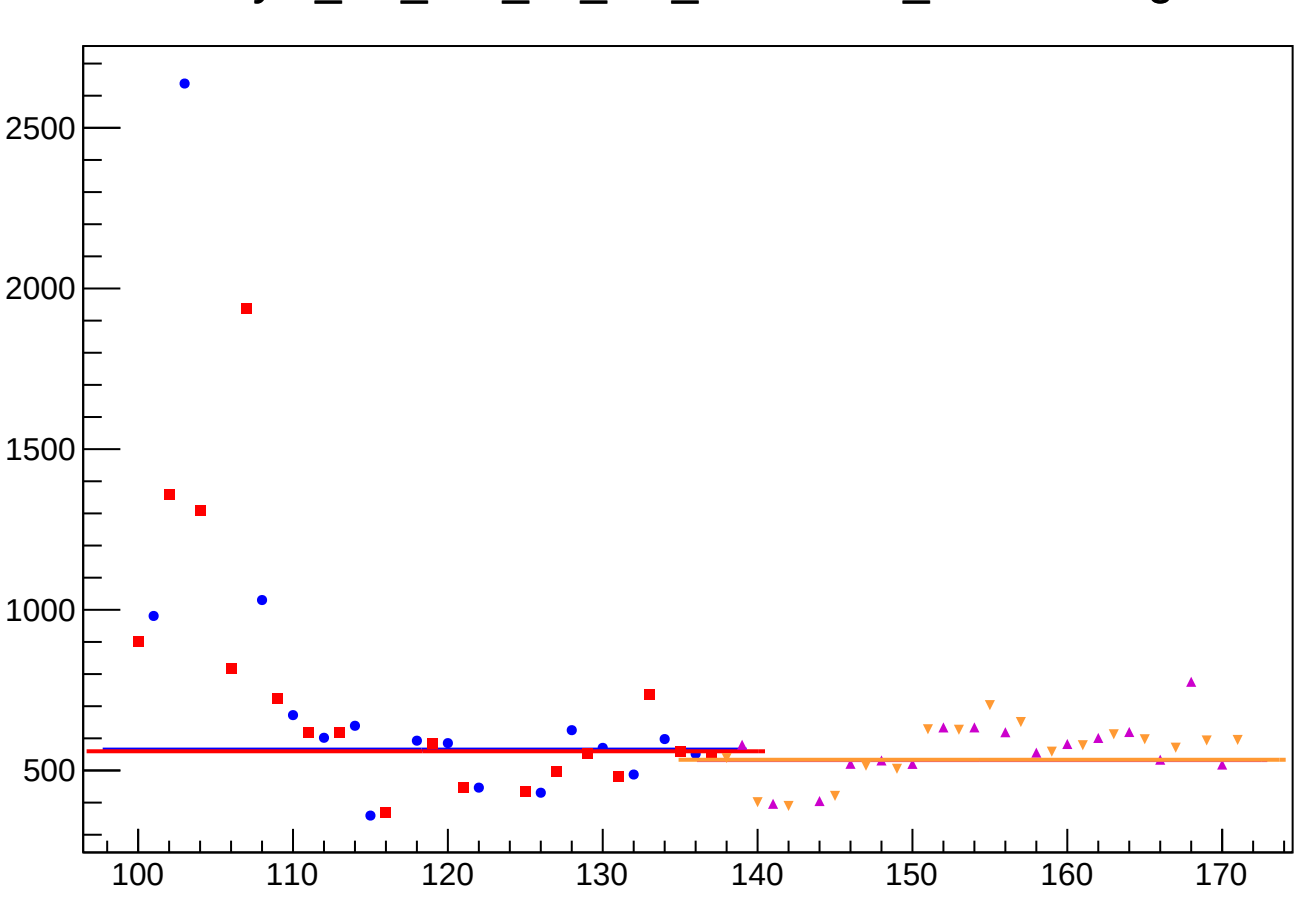
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -90.815+/-148.848 χ^2/NDF:9.5/15

+ sign -437.071+/-123.370 χ^2/NDF: 85.3/32

All: -317.145+/-87.421 χ^2/NDF: 114.2/66

- sign -196.193+/-123.896 χ^2/NDF: 27.1/33



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.315+/-0.105 χ^2/NDF:742461.0/16

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

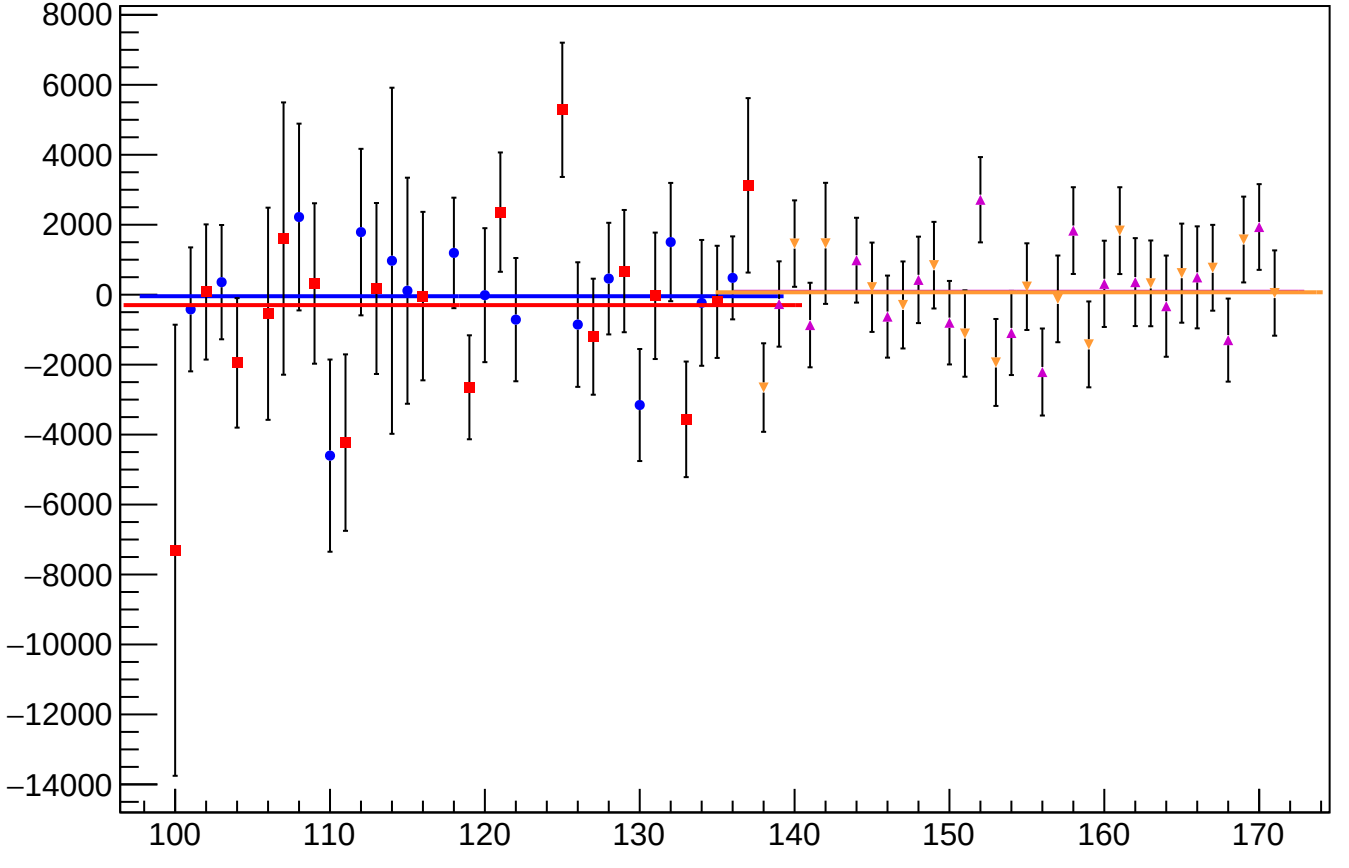
Left In: 532.348+/-0.105 χ^2/NDF:750075.6/15

+ sign 543.010+/-0.087 χ^2/NDF: 2054873.1/32

All: 541.894+/-0.062 χ^2/NDF: 4155465.9/66

- sign 540.768+/-0.088 χ^2/NDF: 2100263.9/33

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.670+/-307.032 χ^2/NDF:16.1/16

Right Out: -298.207+/-475.315 χ^2/NDF: 24.6/17

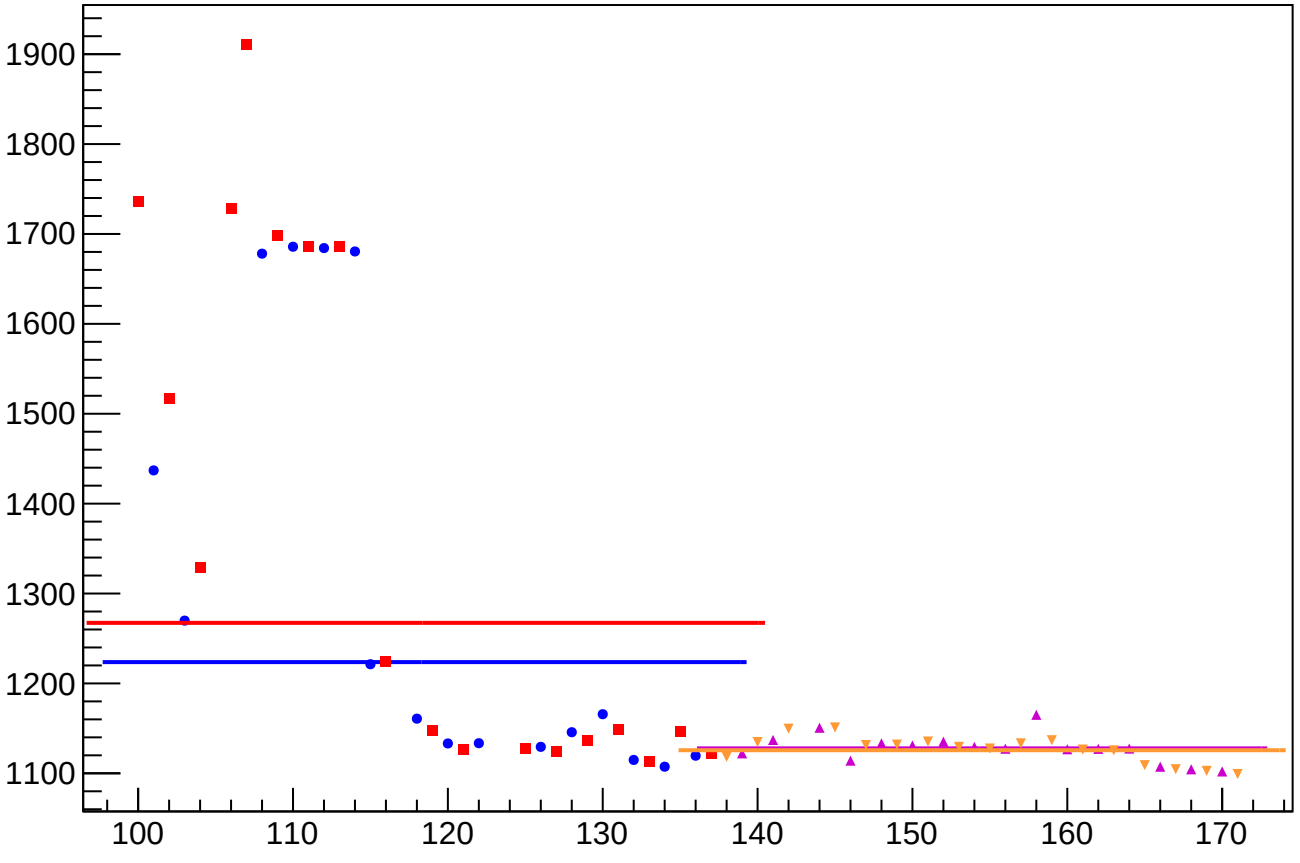
Left In: 83.280+/-310.177 χ^2/NDF:17.1/15

+ sign 33.887+/-255.239 χ^2/NDF: 26.3/32

All: 2.182+/-182.059 χ^2/NDF: 68.5/66

- sign -30.657+/-259.760 χ^2/NDF: 42.2/33

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

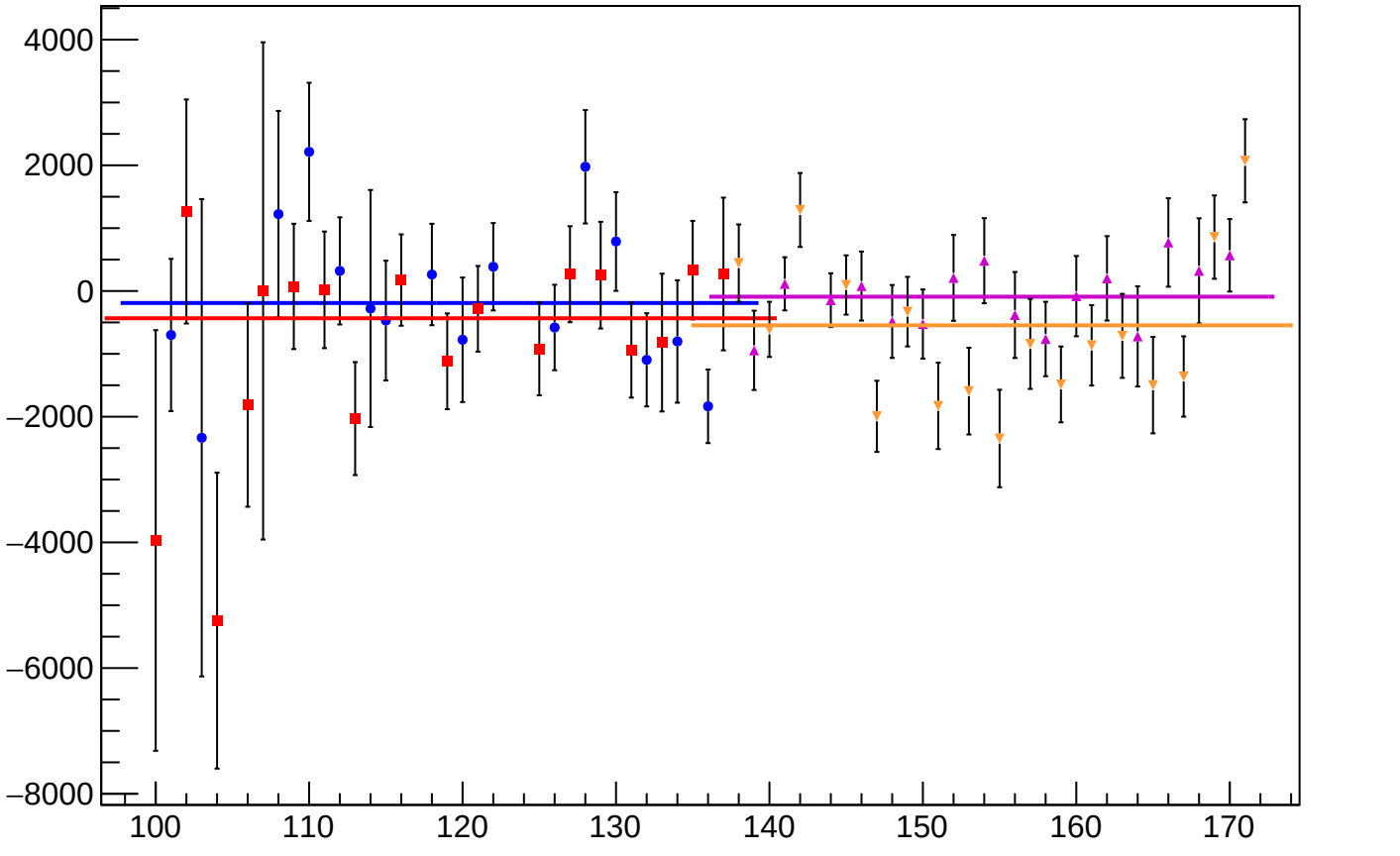
Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1127.762+/-0.219 χ^2/NDF:5136.4/15

+ sign 1155.961+/-0.180 χ^2/NDF: 362283.1/32

All: 1162.590+/-0.129 χ^2/NDF: 931143.5/66

- sign 1169.456+/-0.184 χ^2/NDF: 566114.2/33



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -545.943+/-148.136 χ^2/NDF:58.2/16

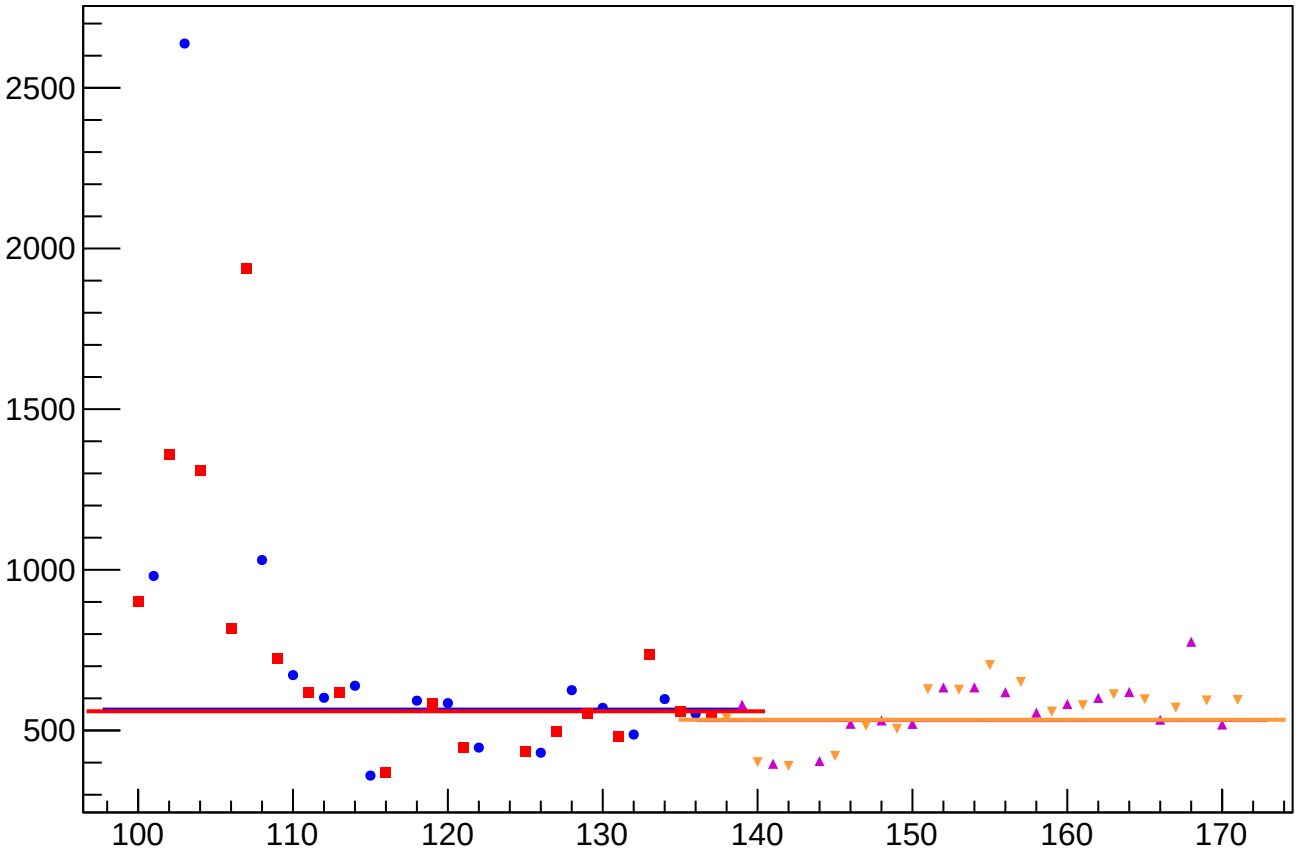
Right Out: -433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: -90.815+/-148.848 χ^2/NDF:9.5/15

+ sign -437.071+/-123.370 χ^2/NDF: 85.3/32

All: -317.145+/-87.421 χ^2/NDF: 114.2/66

- sign -196.193+/-123.896 χ^2/NDF: 27.1/33



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.315+/-0.105 χ^2/NDF:742461.0/16

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

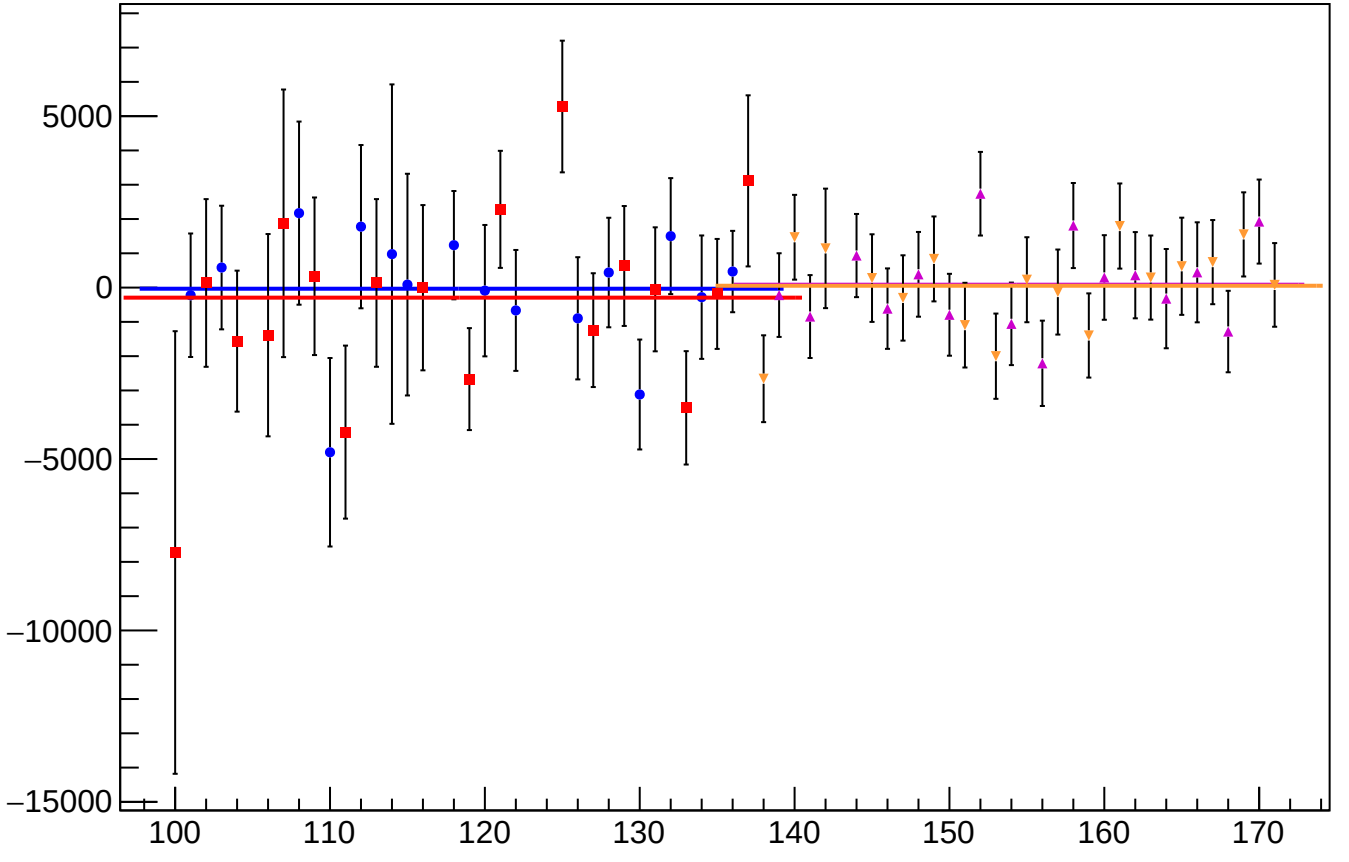
Left In: 532.348+/-0.105 χ^2/NDF:750075.6/15

+ sign 543.010+/-0.087 χ^2/NDF: 2054873.1/32

All: 541.894+/-0.062 χ^2/NDF: 4155465.9/66

- sign 540.768+/-0.088 χ^2/NDF: 2100263.9/33

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 53.693+/-307.220 χ^2/NDF:15.8/16

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

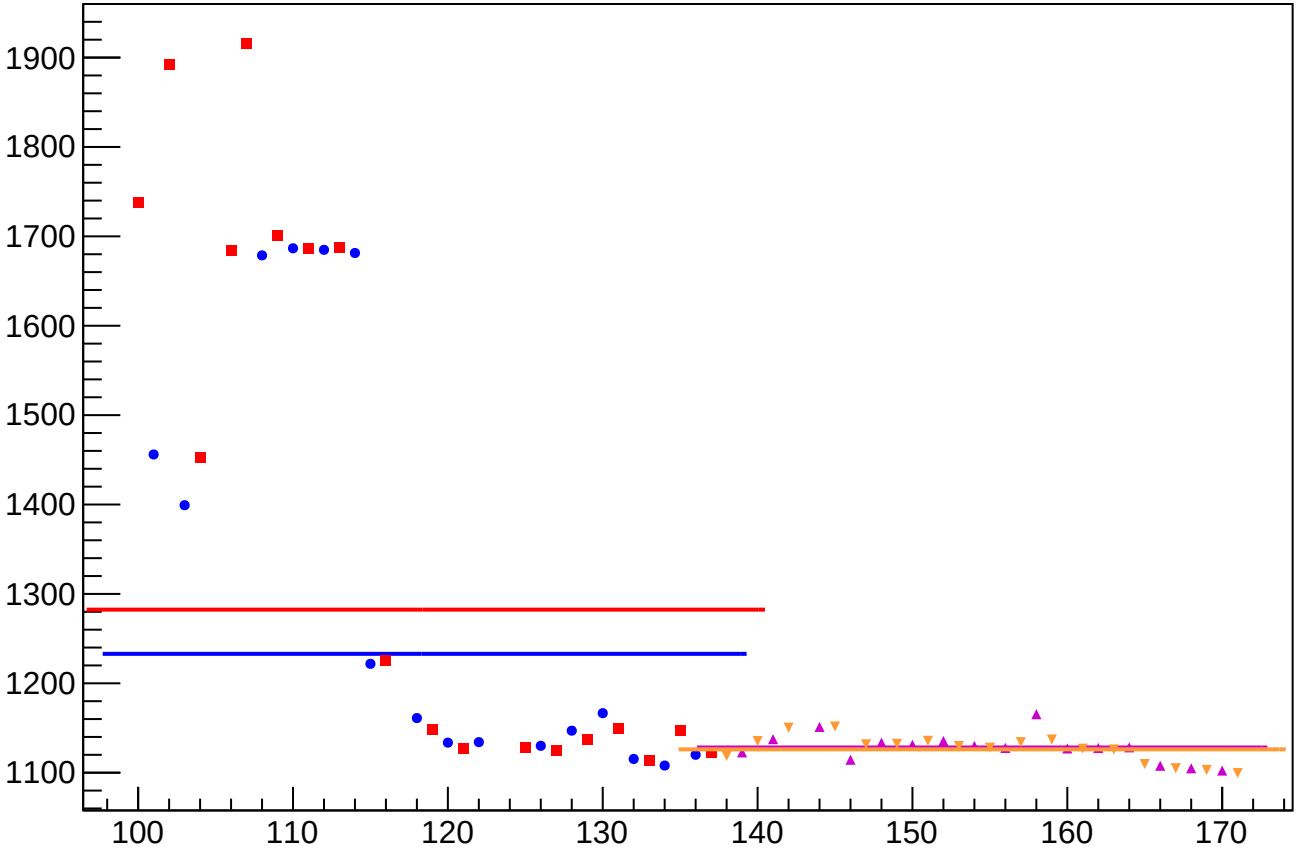
Left In: 84.036+/-310.300 χ^2/NDF:16.9/15

+ sign 27.190+/-256.027 χ^2/NDF: 26.1/32

All: 1.147+/-182.840 χ^2/NDF: 67.6/66

- sign -25.958+/-261.199 χ^2/NDF: 41.5/33

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1126.136+/-0.217 χ^2/NDF:4346.3/16

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

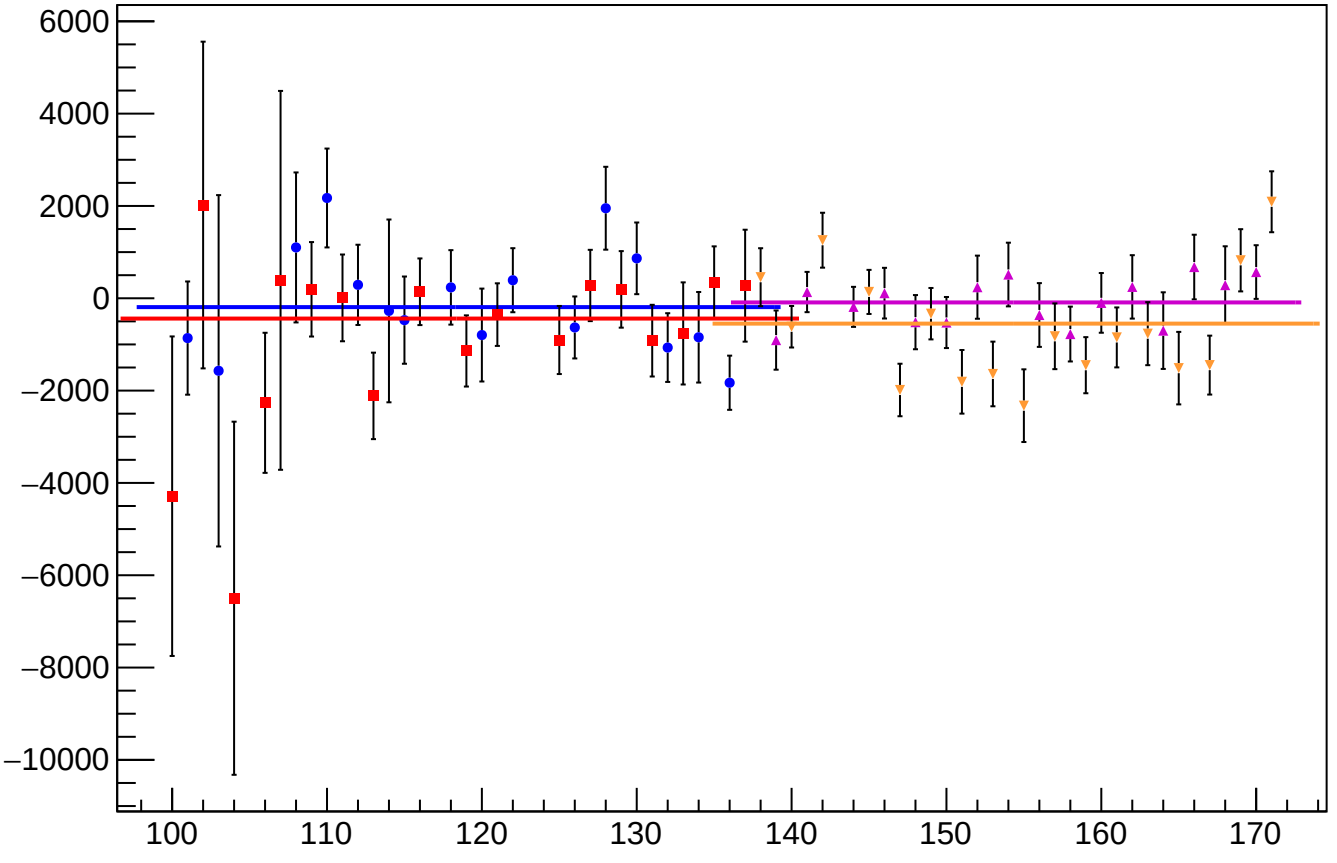
Left In: 1128.208+/-0.219 χ^2/NDF:5133.8/15

+ sign 1158.772+/-0.181 χ^2/NDF: 393695.0/32

All: 1165.816+/-0.129 χ^2/NDF: 1089258.8/66

- sign 1173.147+/-0.185 χ^2/NDF: 692474.3/33

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -549.142+/-149.841 χ^2/NDF:57.6/16

Right Out: -439.610+/-226.600 χ^2/NDF: 14.6/17

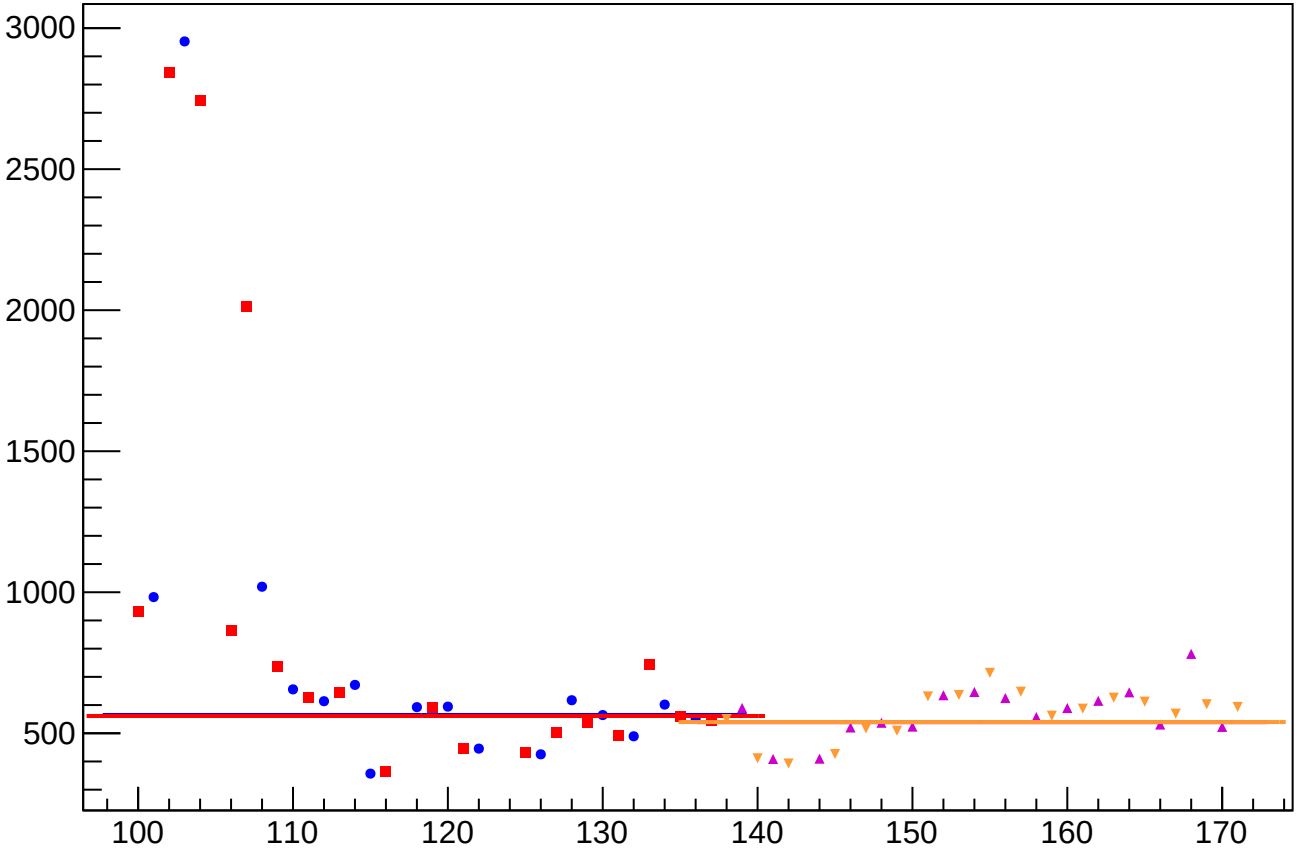
Left In: -90.046+/-150.699 χ^2/NDF:9.2/15

+ sign -437.742+/-124.331 χ^2/NDF: 84.6/32

All: -318.601+/-88.320 χ^2/NDF: 112.0/66

- sign -197.242+/-125.483 χ^2/NDF: 25.5/33

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.796+/-0.106 χ^2/NDF:721548.6/16

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

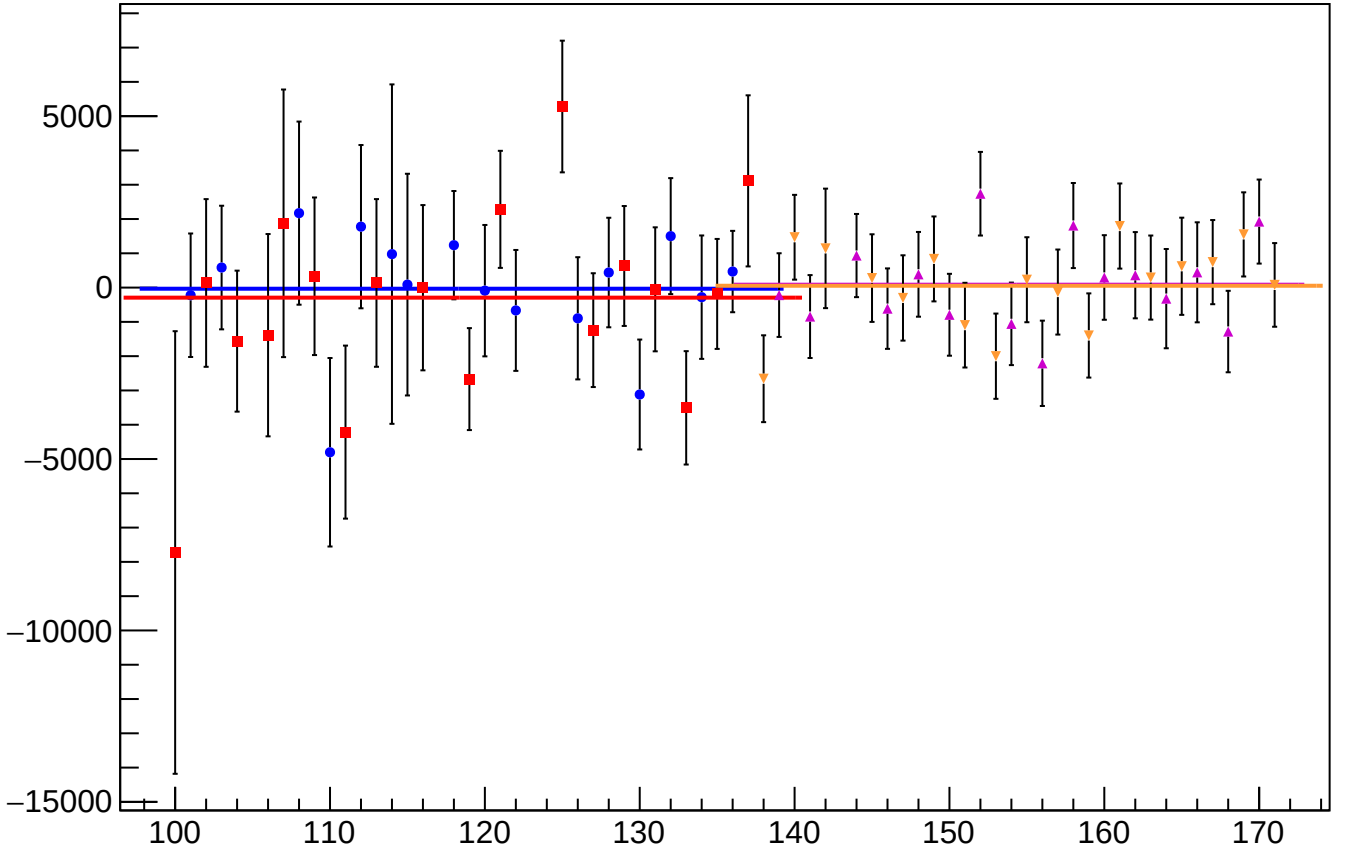
Left In: 539.362+/-0.107 χ^2/NDF:729135.7/15

+ sign 547.607+/-0.088 χ^2/NDF: 2219370.9/32

All: 546.851+/-0.062 χ^2/NDF: 5234992.7/66

- sign 546.081+/-0.089 χ^2/NDF: 3015472.6/33

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 53.691+/-307.220 χ^2/NDF:15.8/16

Right Out: -293.384+/-483.838 χ^2/NDF: 24.2/17

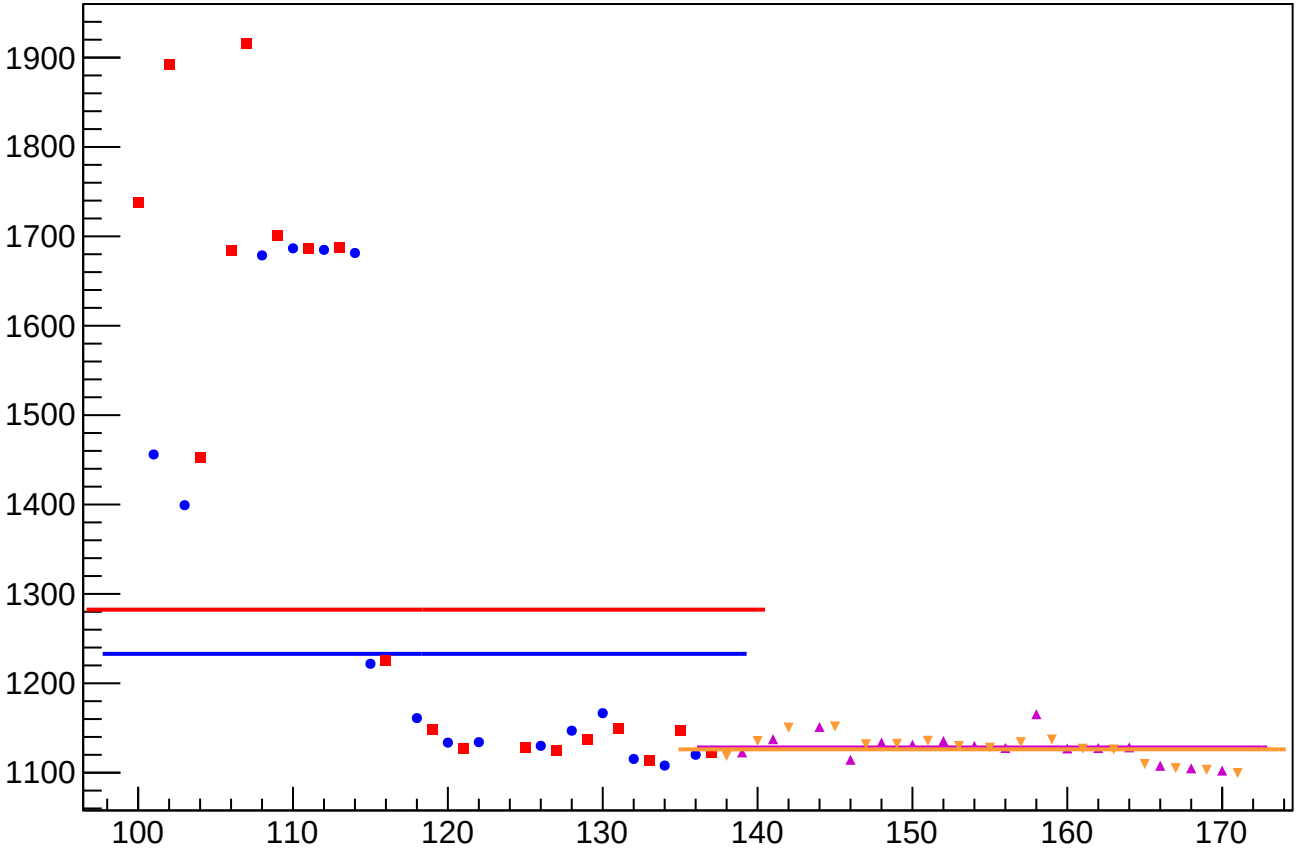
Left In: 84.035+/-310.300 χ^2/NDF:16.9/15

+ sign 27.188+/-256.027 χ^2/NDF: 26.1/32

All: 1.146+/-182.840 χ^2/NDF: 67.6/66

- sign -25.958+/-261.199 χ^2/NDF: 41.5/33

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1126.136+/-0.217 χ^2/NDF:4346.3/16

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

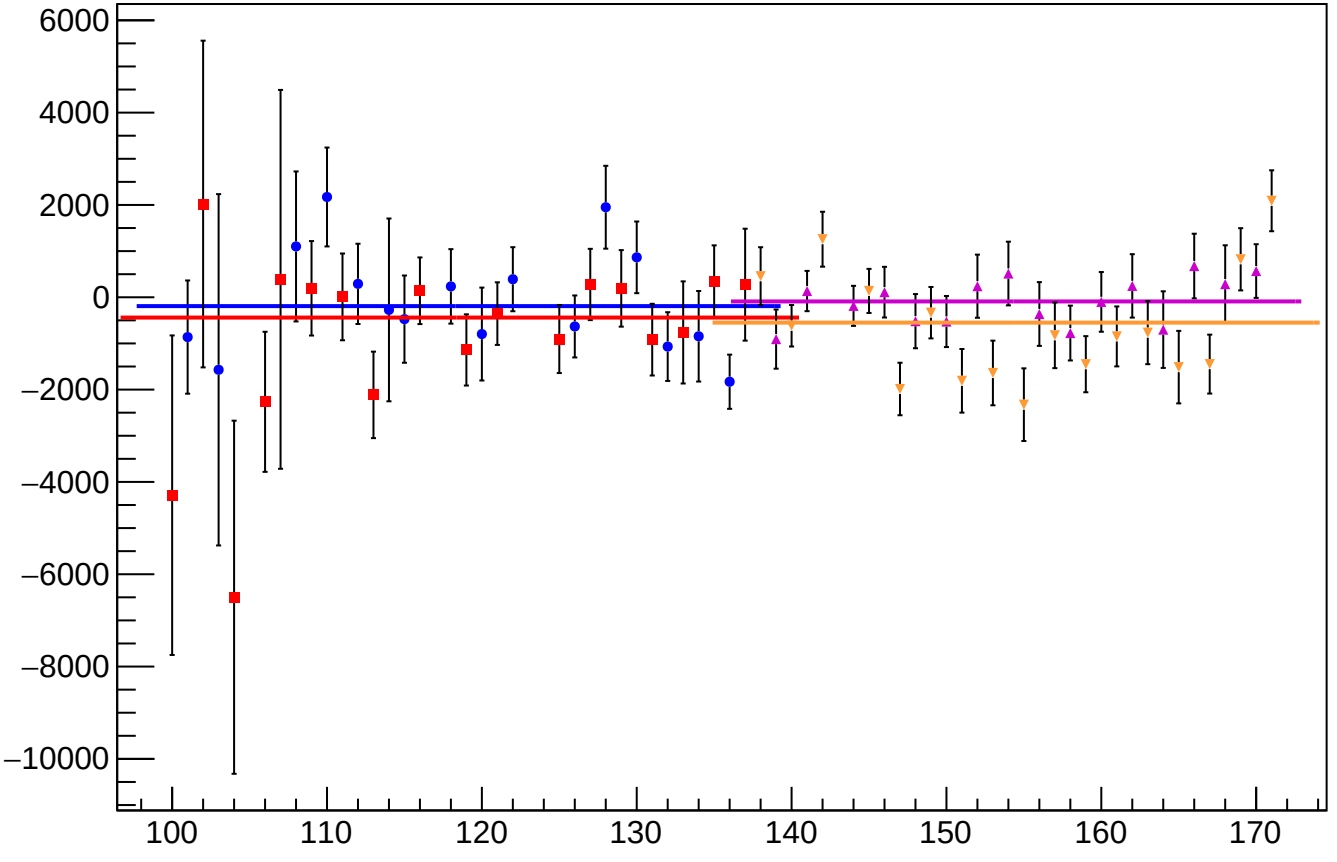
Left In: 1128.208+/-0.219 χ^2/NDF:5133.8/15

+ sign 1158.772+/-0.181 χ^2/NDF: 393694.5/32

All: 1165.816+/-0.129 χ^2/NDF: 1089257.6/66

- sign 1173.147+/-0.185 χ^2/NDF: 692473.6/33

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -549.141+/-149.841 χ^2/NDF:57.6/16

Right Out: -439.611+/-226.600 χ^2/NDF: 14.6/17

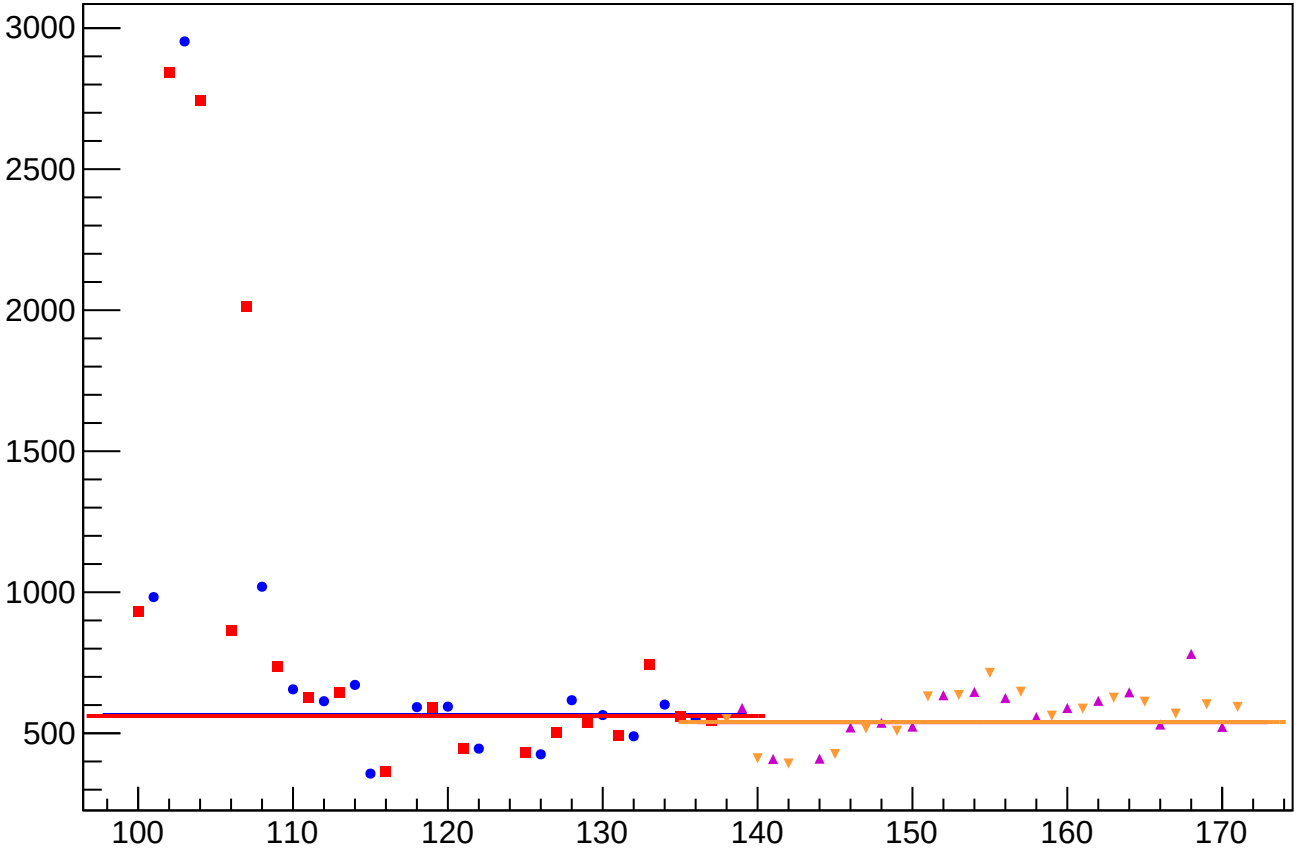
Left In: -90.046+/-150.699 χ^2/NDF:9.2/15

+ sign -437.741+/-124.331 χ^2/NDF: 84.6/32

All: -318.600+/-88.320 χ^2/NDF: 112.0/66

- sign -197.242+/-125.483 χ^2/NDF: 25.5/33

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 539.795+/-0.106 χ^2/NDF:721567.3/16

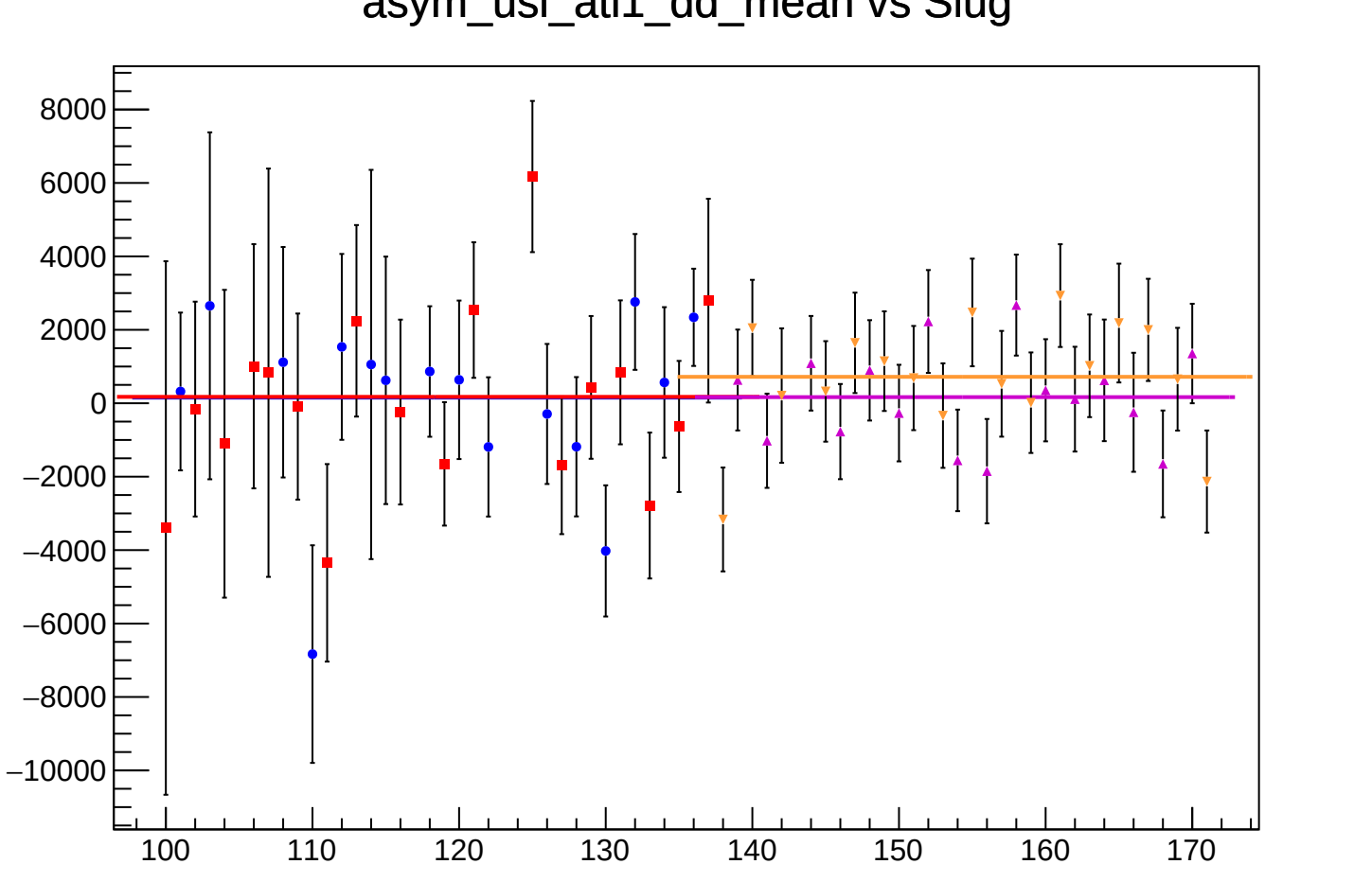
Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.362+/-0.107 χ^2/NDF:729148.1/15

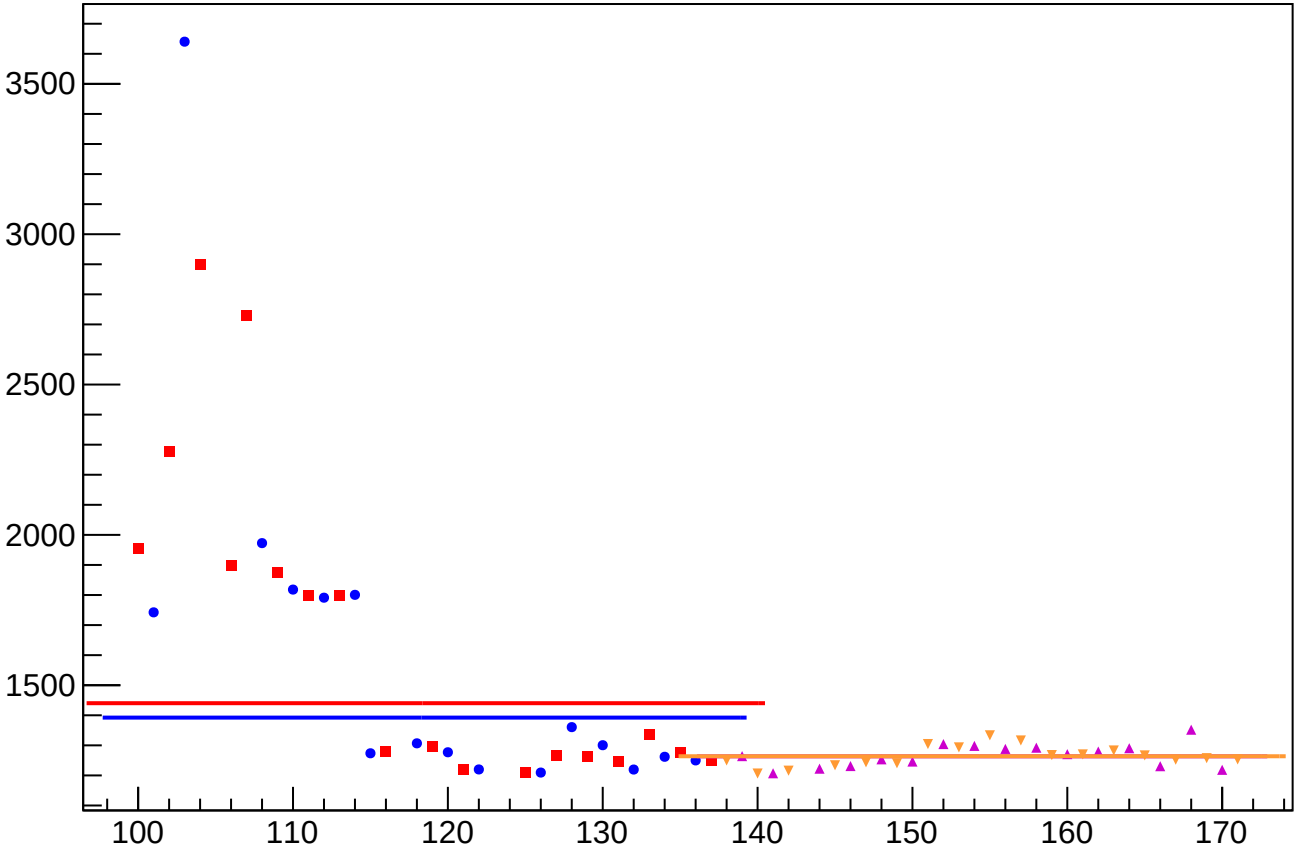
+ sign 547.606+/-0.088 χ^2/NDF: 2219387.9/32

All: 546.851+/-0.062 χ^2/NDF: 5235023.4/66

- sign 546.081+/-0.089 χ^2/NDF: 3015486.3/33


asym_usl_atl1_dd_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 153.375+/-532.096 χ²/NDF: 17.8/15
Left Out: 719.022+/-344.827 χ²/NDF:20.0/16
Right Out: 174.319+/-550.153 χ²/NDF: 19.7/17
Left In: 166.735+/-347.645 χ²/NDF:13.9/15
+ sign 551.725+/-289.375 χ²/NDF: 38.5/32
All: 363.273+/-206.196 χ²/NDF: 73.0/66
- sign 168.899+/-293.887 χ²/NDF: 33.6/33

asym_usl_atl1_dd_rms vs Slug



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.736+/-0.244 χ^2/NDF:17780.5/16

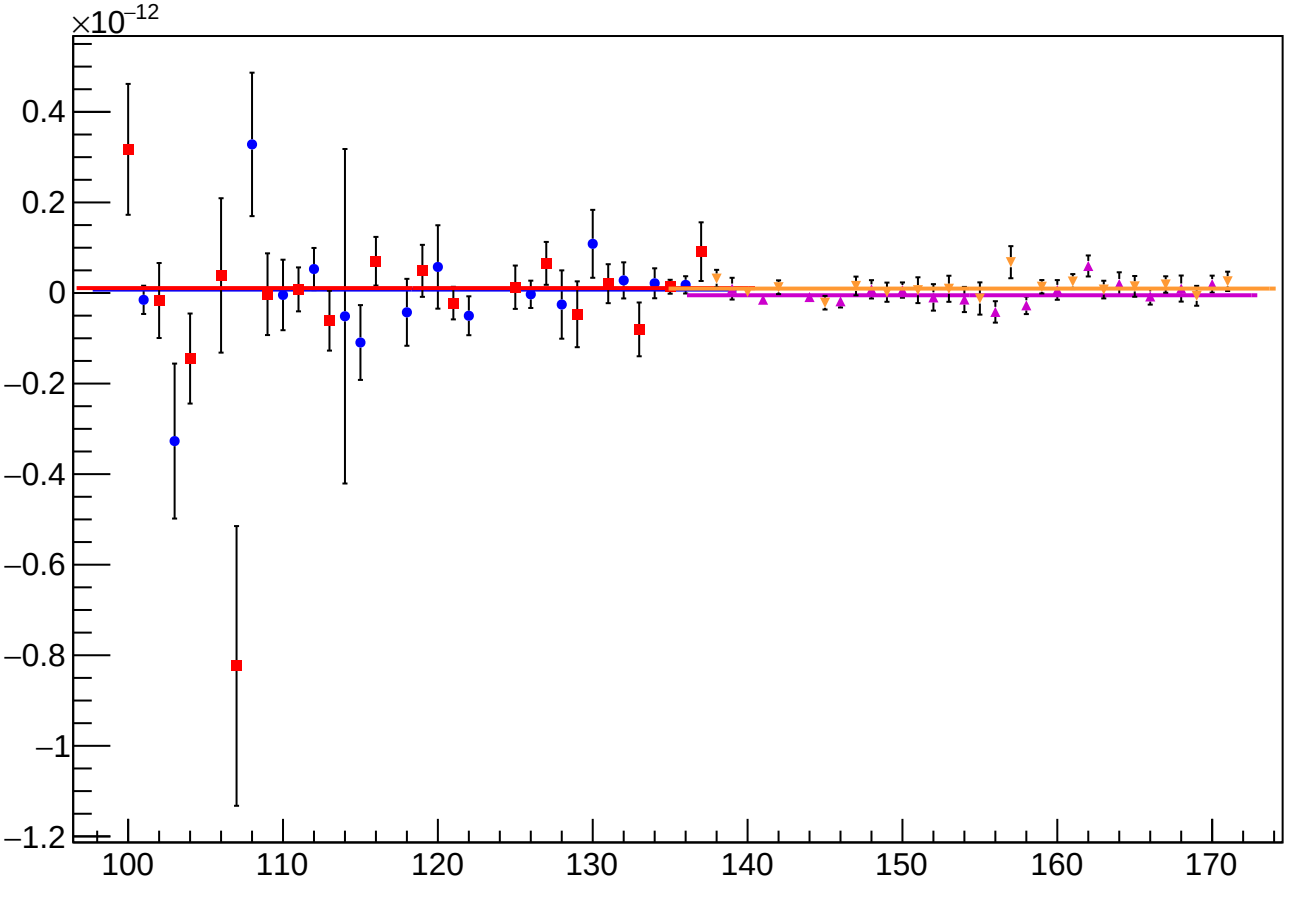
Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1263.464+/-0.246 χ^2/NDF:23286.2/15

+ sign 1301.760+/-0.205 χ^2/NDF: 879245.6/32

All: 1307.738+/-0.146 χ^2/NDF: 1906691.9/66

- sign 1313.903+/-0.208 χ^2/NDF: 1025712.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/16

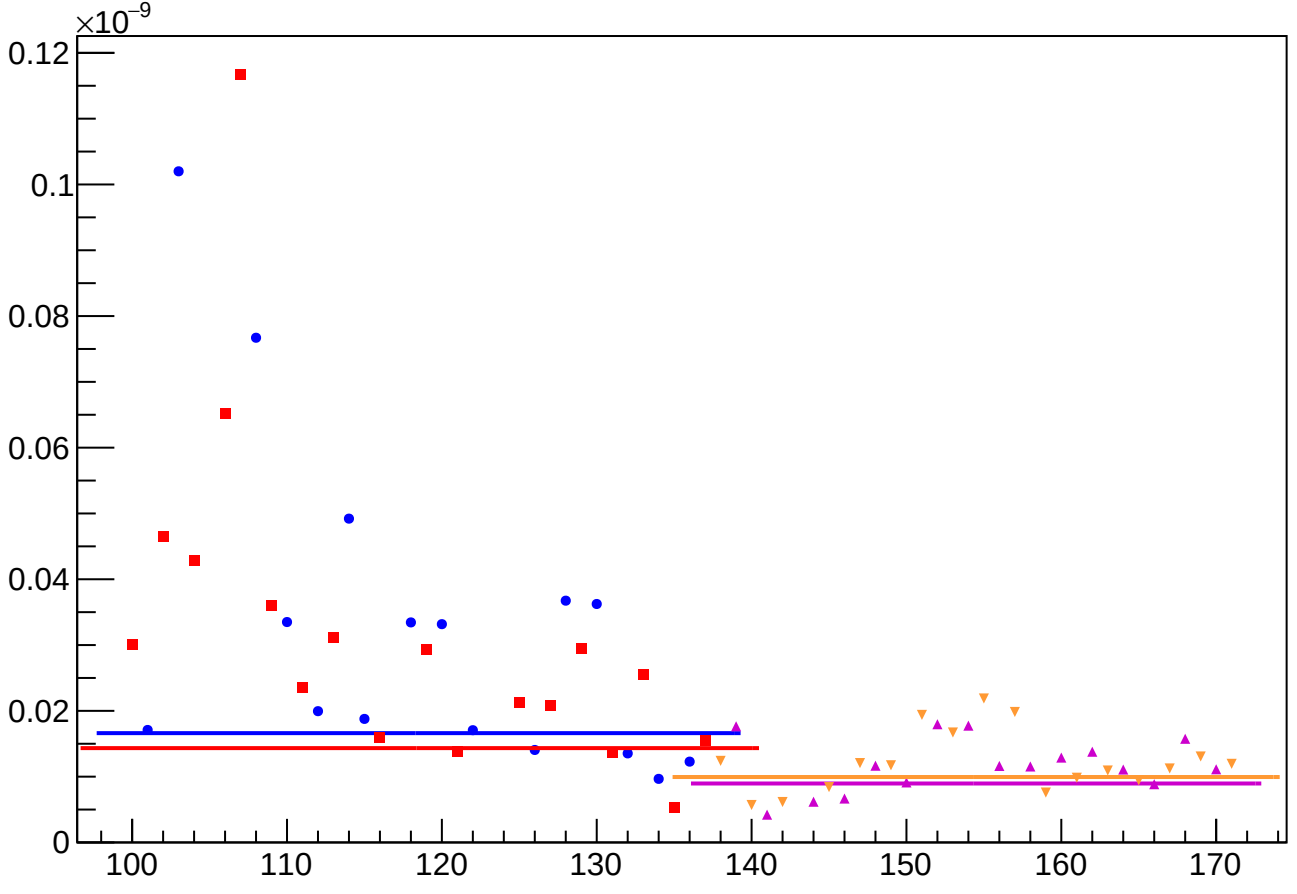
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: -0.000+/-0.000 χ^2/NDF:18.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/32

All: 0.000+/-0.000 χ^2/NDF: 77.2/66

- sign -0.000+/-0.000 χ^2/NDF: 44.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1341780.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

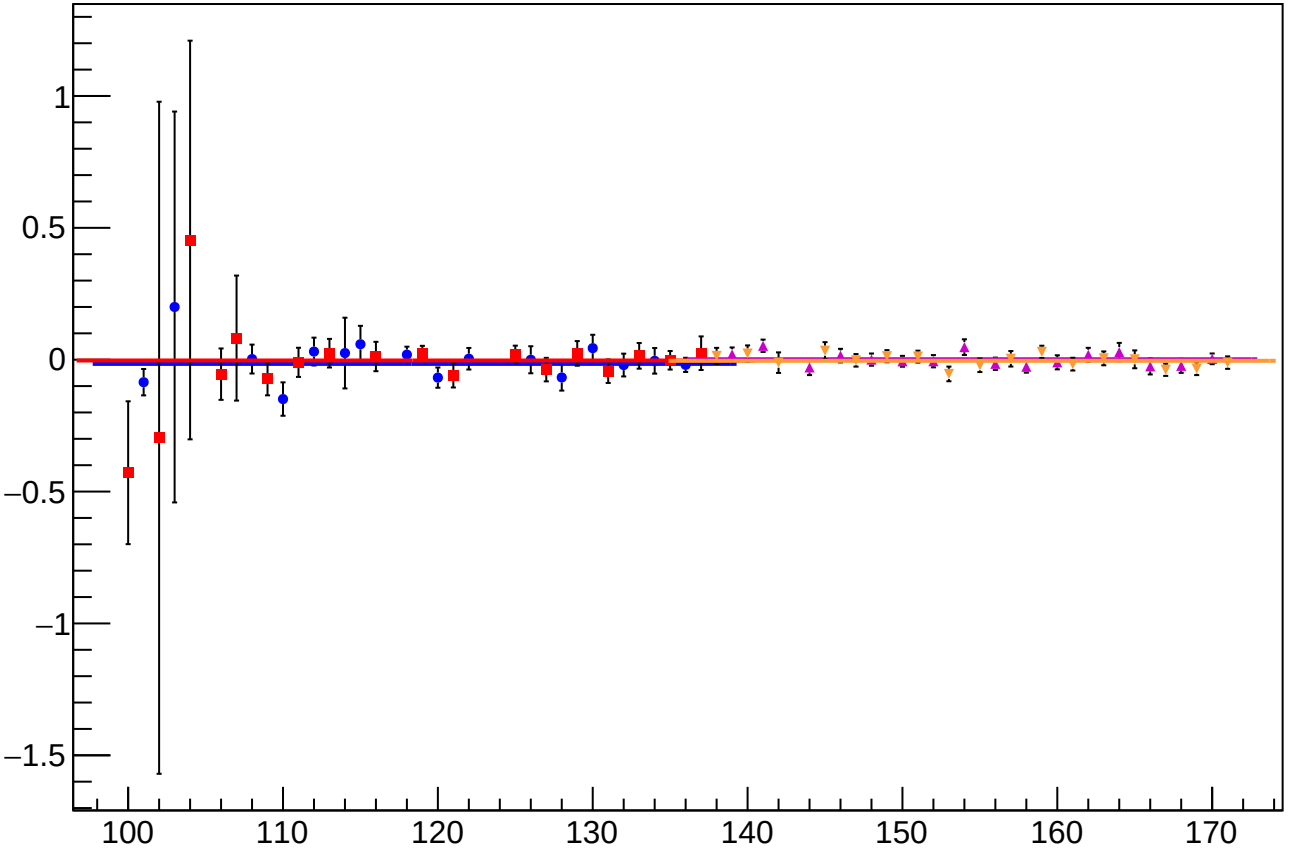
Left In: 0.000+/-0.000 χ^2/NDF:1754600.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 3555514.9/32

All: 0.000+/-0.000 χ^2/NDF: 8093349.7/66

- sign 0.000+/-0.000 χ^2/NDF: 4452708.6/33

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: -0.004+/-0.006 χ^2/NDF:13.6/16

Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

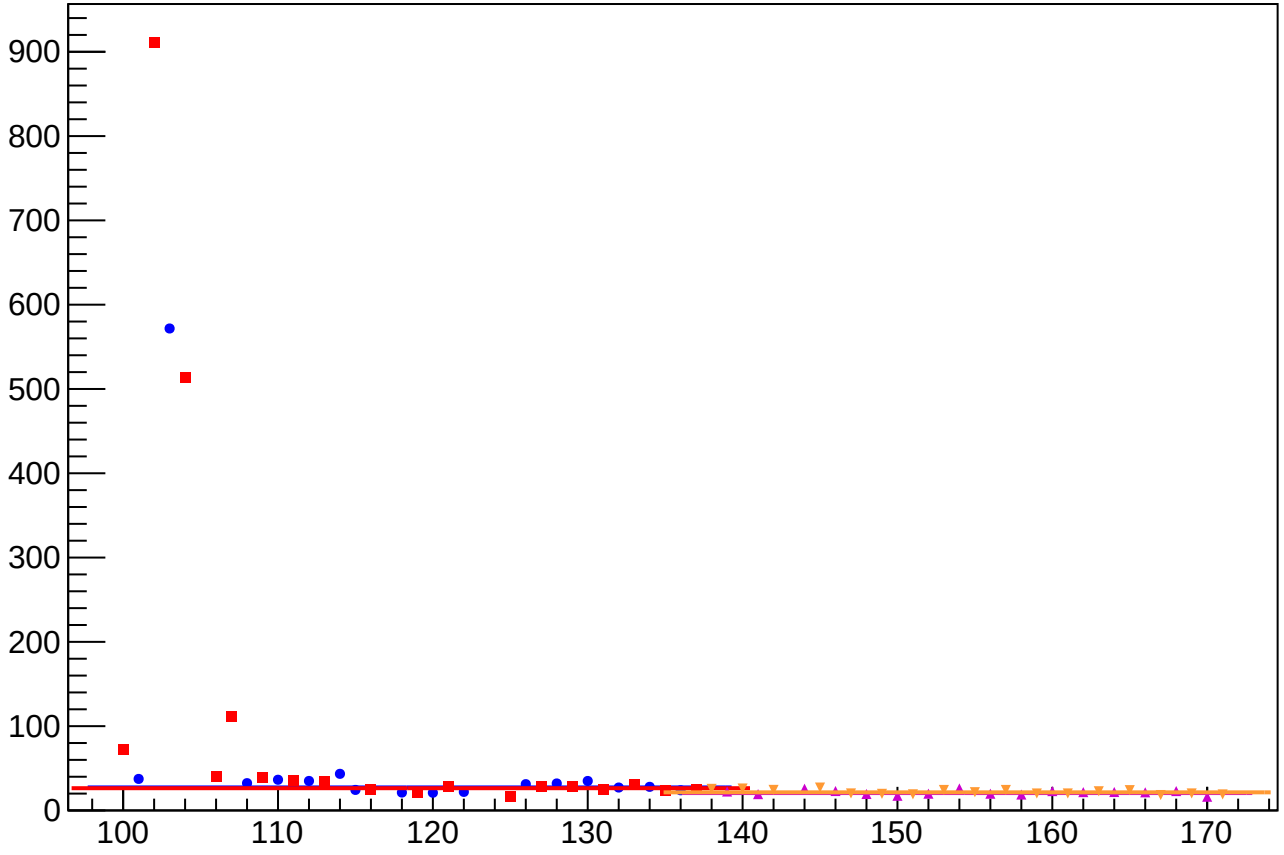
Left In: 0.002+/-0.006 χ^2/NDF:14.2/15

+ sign -0.007+/-0.006 χ^2/NDF: 29.0/32

All: -0.003+/-0.004 χ^2/NDF: 54.2/66

- sign 0.001+/-0.006 χ^2/NDF: 24.2/33

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: 21.489+/-0.005 χ^2/NDF:323385.2/16

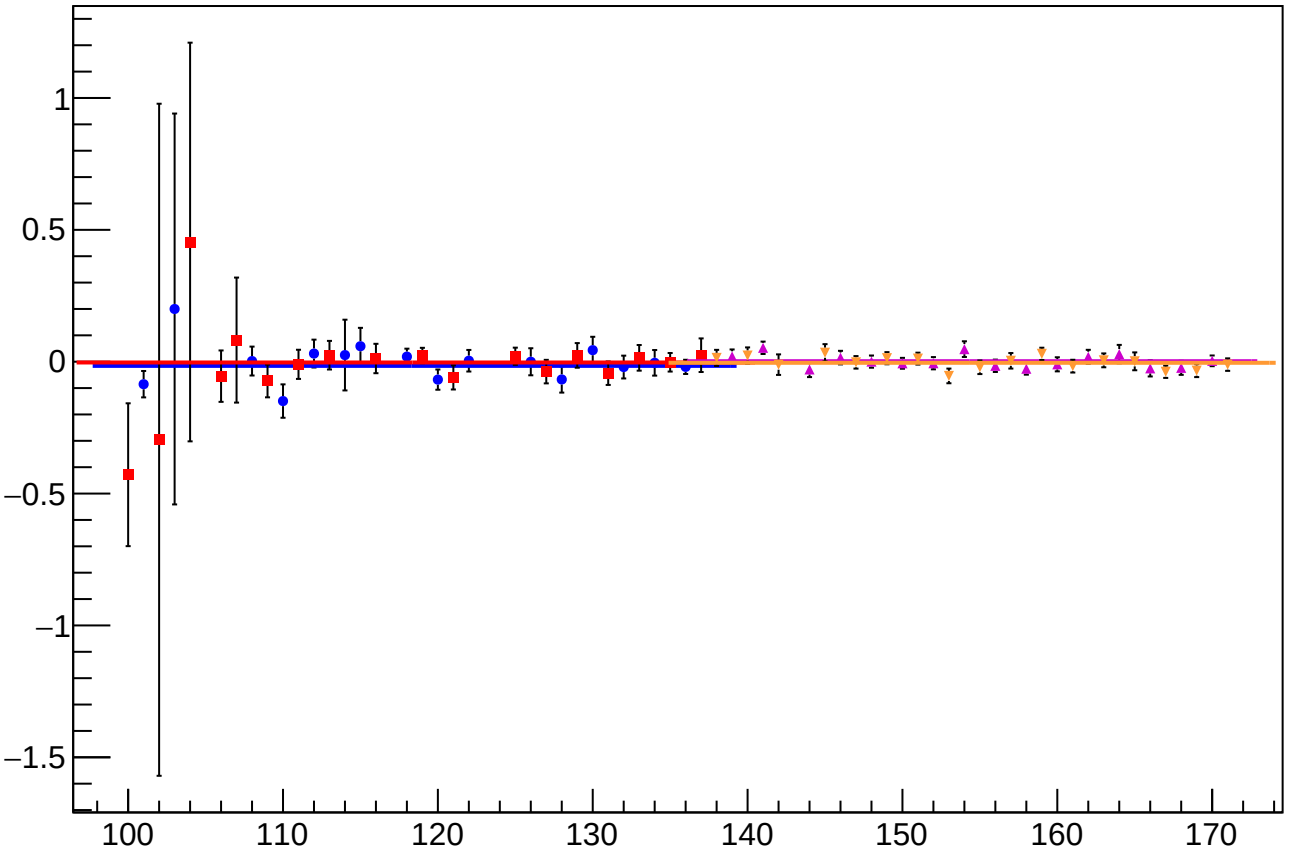
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363515.9/15

+ sign 22.852+/-0.004 χ^2/NDF: 2279380.6/32

All: 22.362+/-0.003 χ^2/NDF: 5647949.4/66

- sign 21.878+/-0.004 χ^2/NDF: 3338067.3/33



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:13.6/16

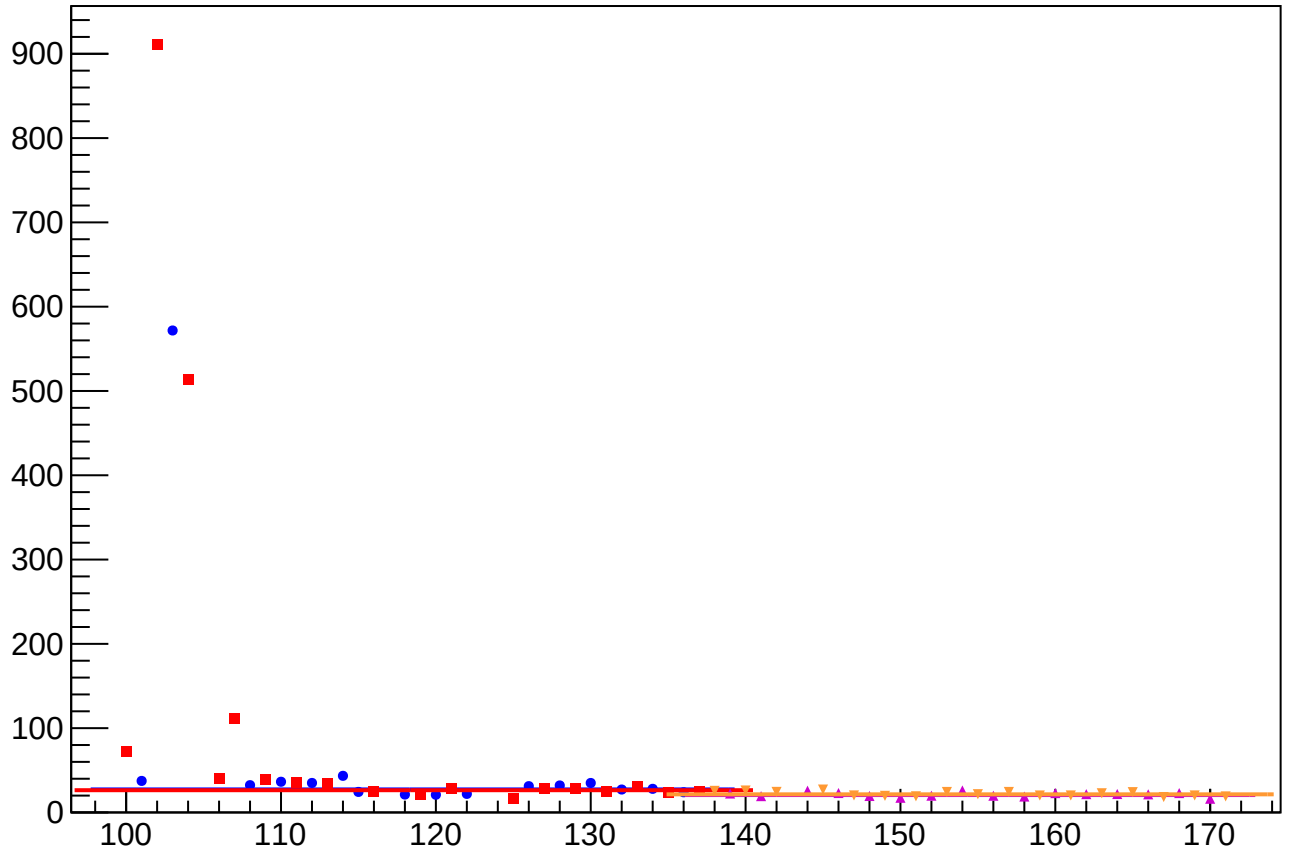
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.002+/-0.006 χ^2/NDF:14.2/15

+ sign -0.007+/-0.006 χ^2/NDF: 29.0/32

All: -0.003+/-0.004 χ^2/NDF: 54.2/66

- sign 0.001+/-0.006 χ^2/NDF: 24.2/33



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.489+/-0.005 χ^2/NDF:323385.2/16

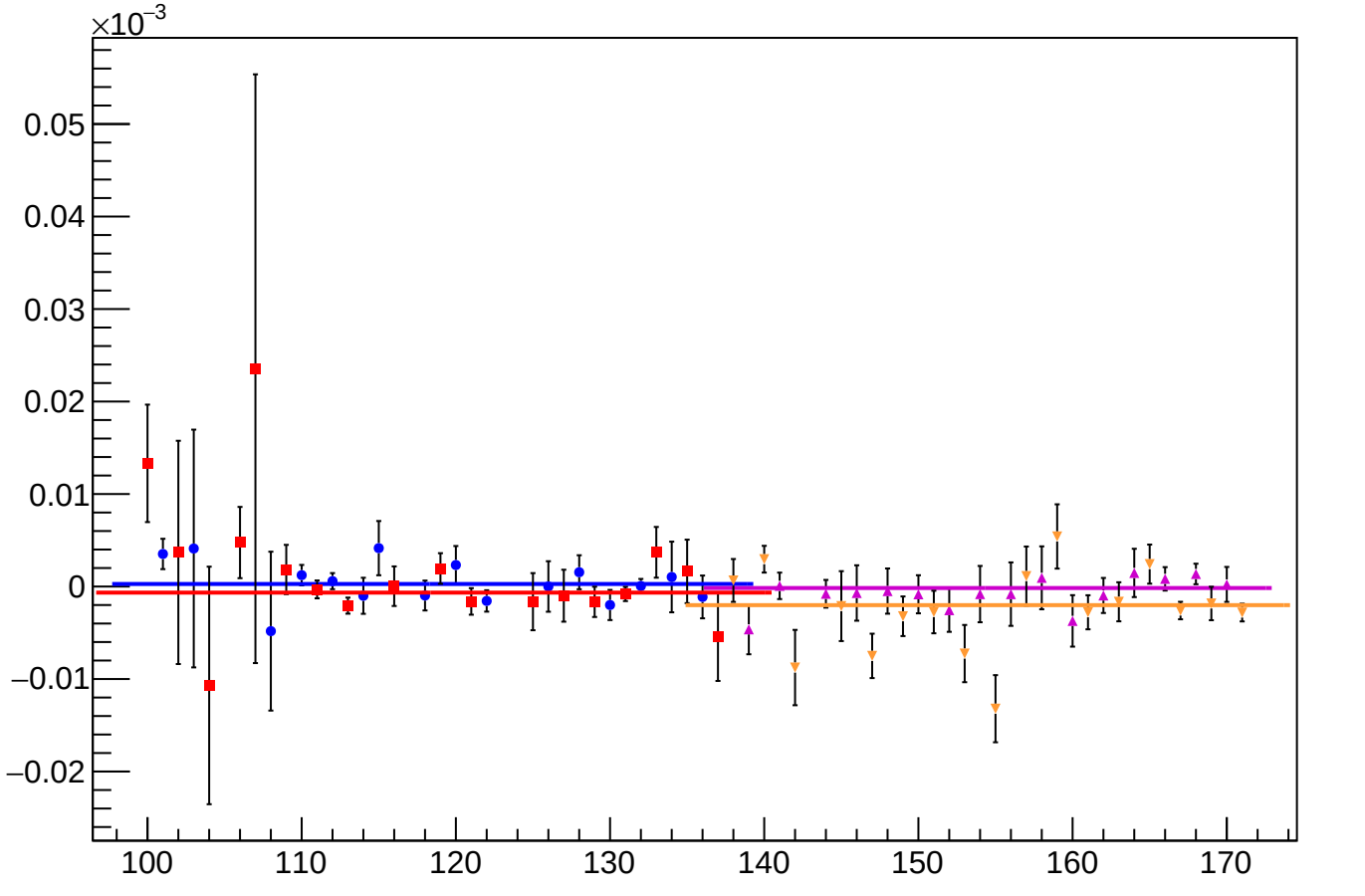
Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363515.9/15

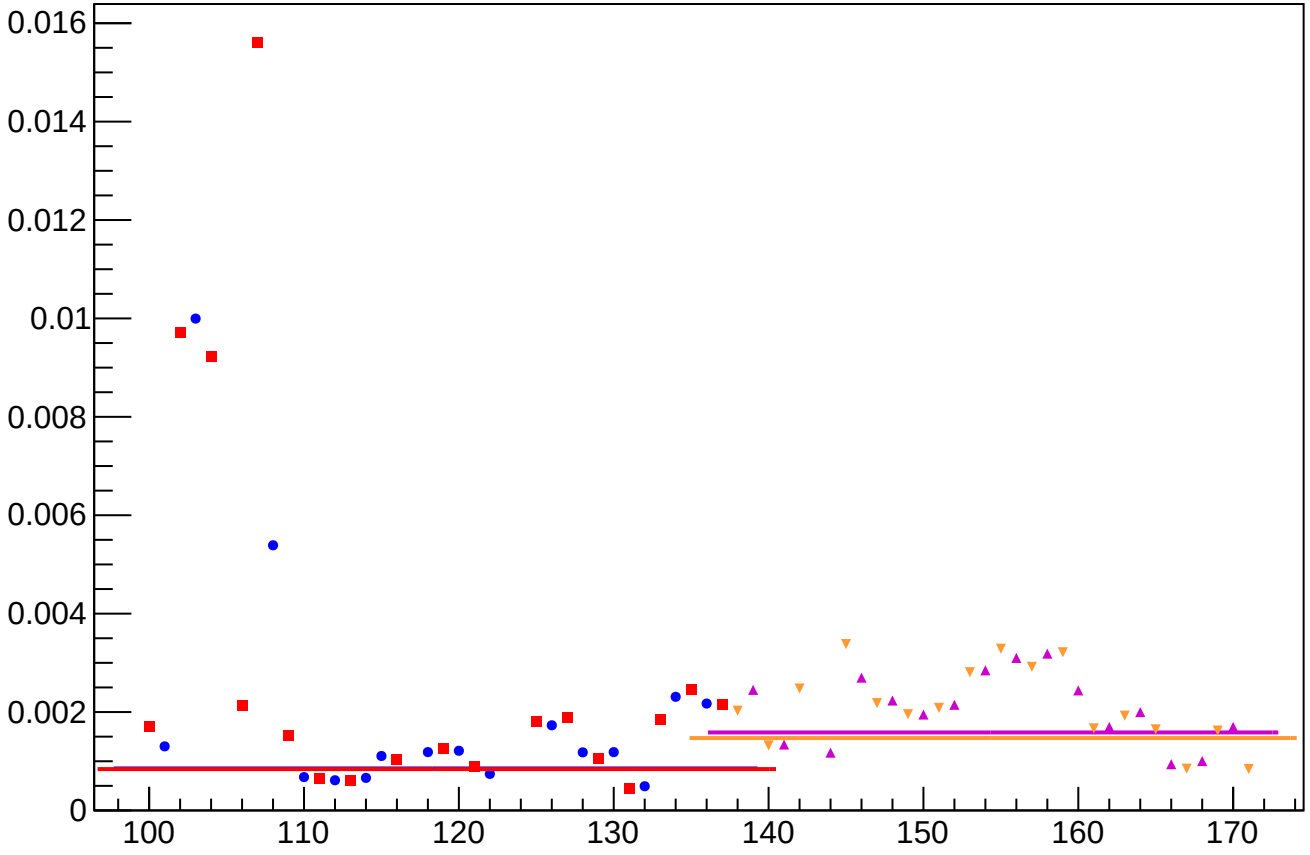
+ sign 22.852+/-0.004 χ^2/NDF: 2279380.6/32

All: 22.362+/-0.003 χ^2/NDF: 5647949.4/66

- sign 21.878+/-0.004 χ^2/NDF: 3338067.3/33


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
170
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:45.1/16
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/17
Left In: -0.000+/-0.000 χ²/NDF:9.1/15
+ sign -0.000+/-0.000 χ²/NDF: 74.9/32
All: -0.000+/-0.000 χ²/NDF: 104.1/66
- sign -0.000+/-0.000 χ²/NDF: 29.0/33

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: 0.001+/-0.000 χ^2/NDF:4848372.5/16

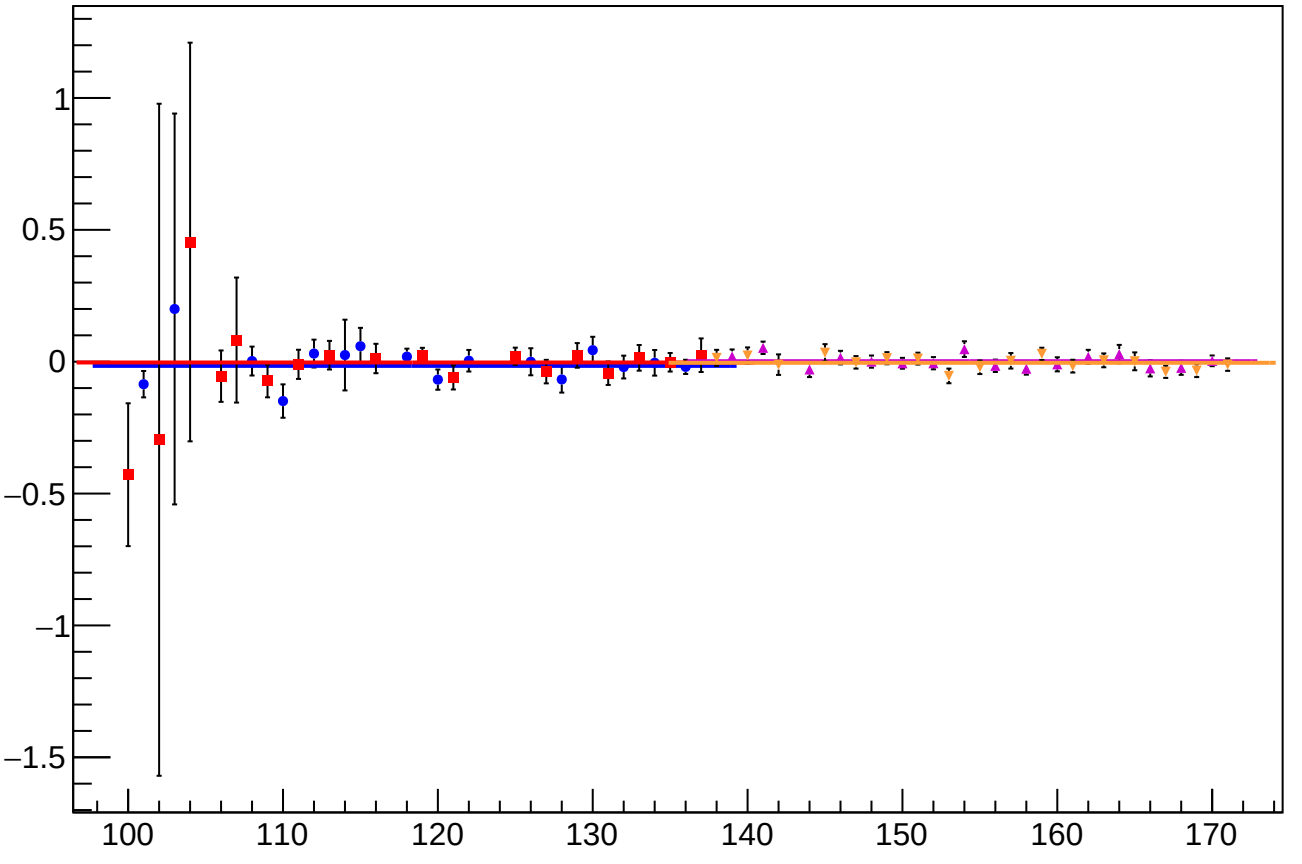
Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:3510070.0/15

+ sign 0.001+/-0.000 χ^2/NDF: 10947832.7/32

All: 0.001+/-0.000 χ^2/NDF: 22350154.8/66

- sign 0.001+/-0.000 χ^2/NDF: 11388716.0/33



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:13.6/16

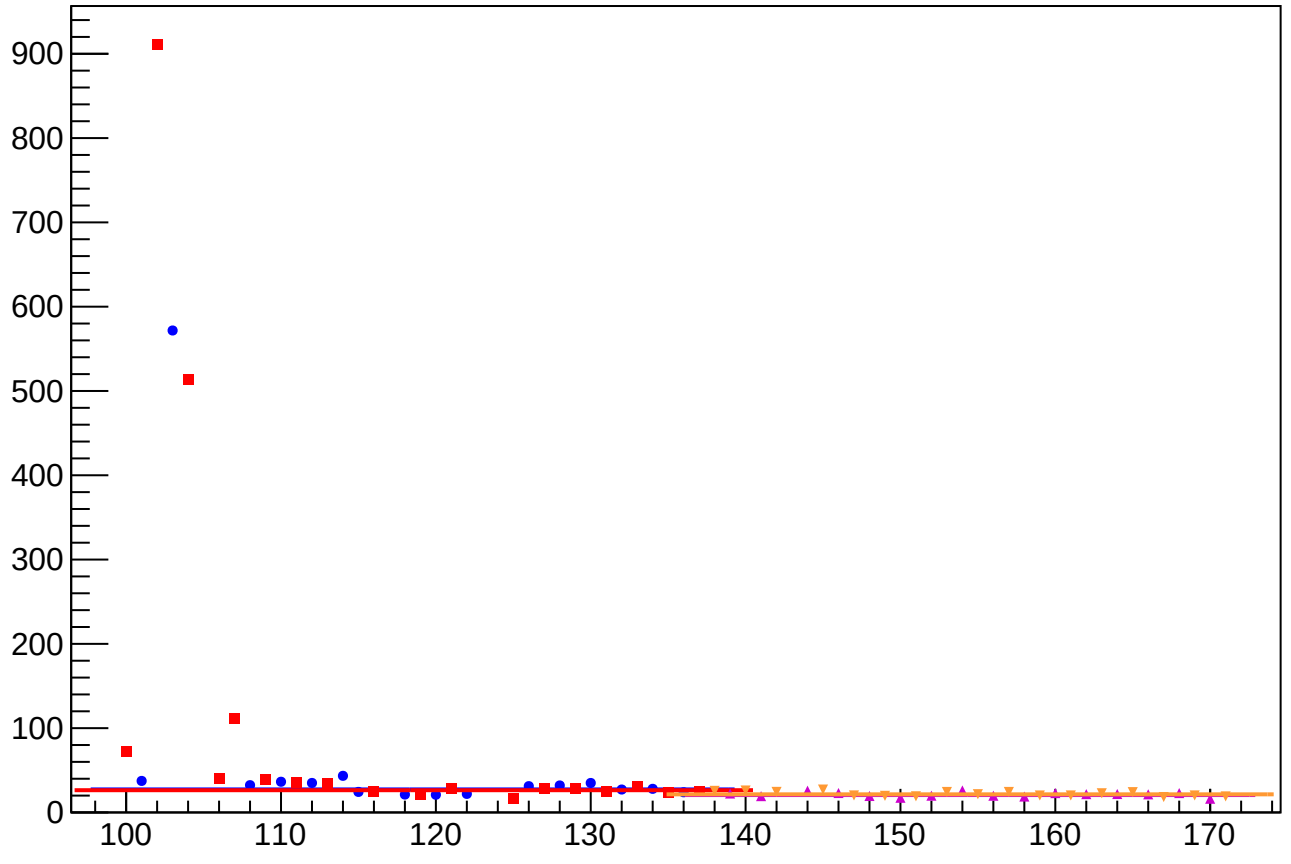
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.002+/-0.006 χ^2/NDF:14.2/15

+ sign -0.007+/-0.006 χ^2/NDF: 29.0/32

All: -0.003+/-0.004 χ^2/NDF: 54.1/66

- sign 0.001+/-0.006 χ^2/NDF: 24.2/33



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.489+/-0.005 χ^2/NDF:323357.6/16

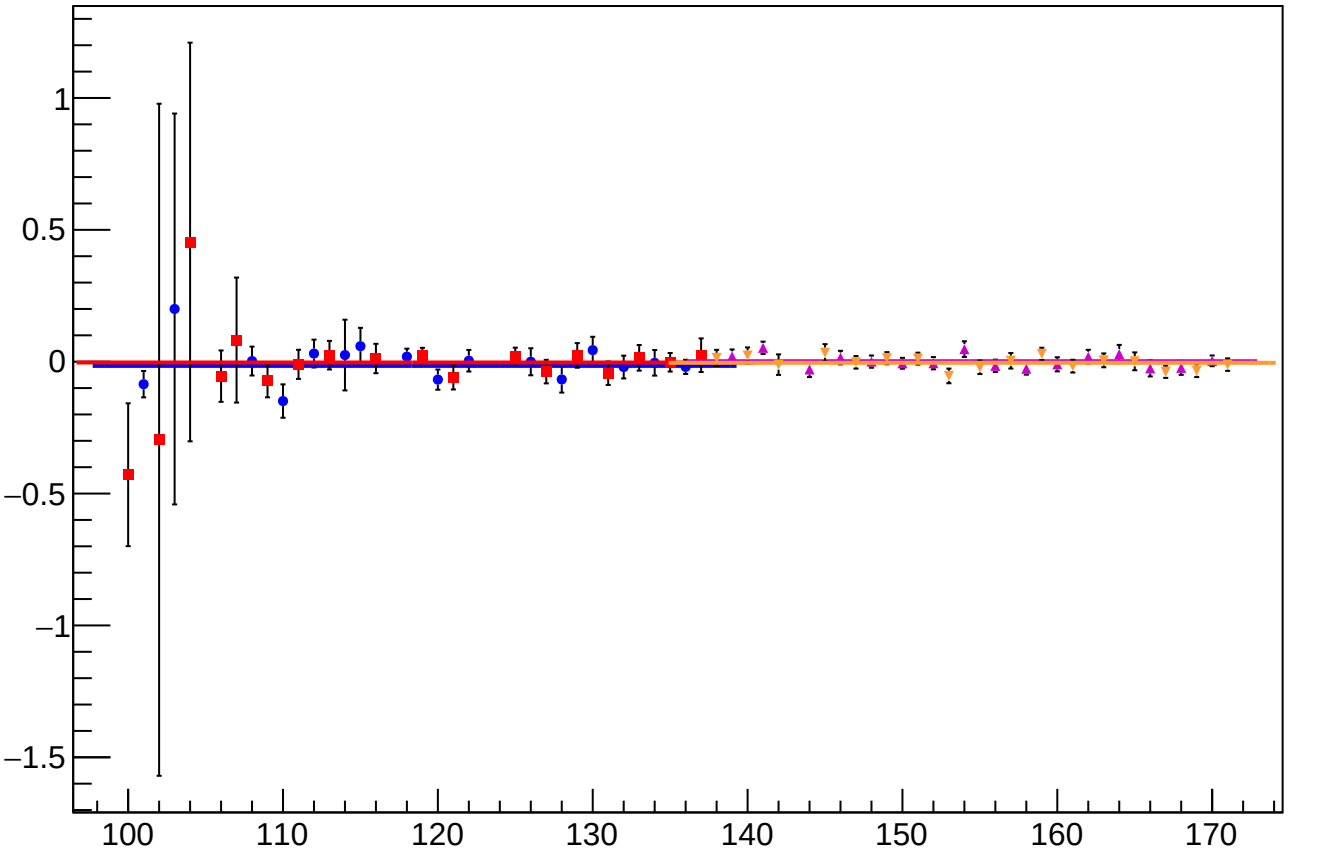
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363536.7/15

+ sign 22.852+/-0.004 χ^2/NDF: 2279356.9/32

All: 22.362+/-0.003 χ^2/NDF: 5647964.7/66

- sign 21.878+/-0.004 χ^2/NDF: 3338108.4/33



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.004+/-0.006 χ^2/NDF:13.6/16

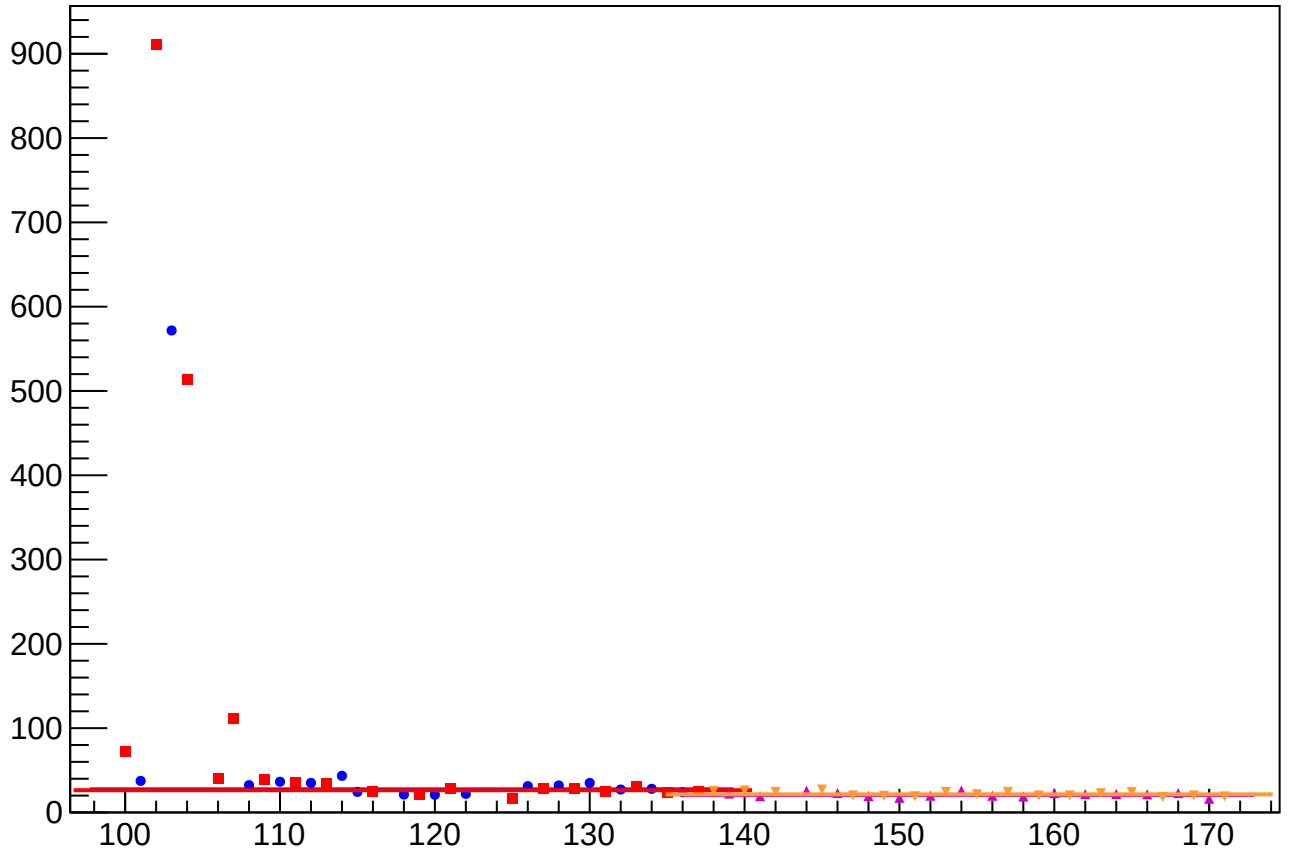
Right Out: -0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: 0.002+/-0.006 χ^2/NDF:14.2/15

+ sign -0.007+/-0.006 χ^2/NDF: 29.0/32

All: -0.003+/-0.004 χ^2/NDF: 54.1/66

- sign 0.001+/-0.006 χ^2/NDF: 24.2/33



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.489+/-0.005 χ^2/NDF:323357.6/16

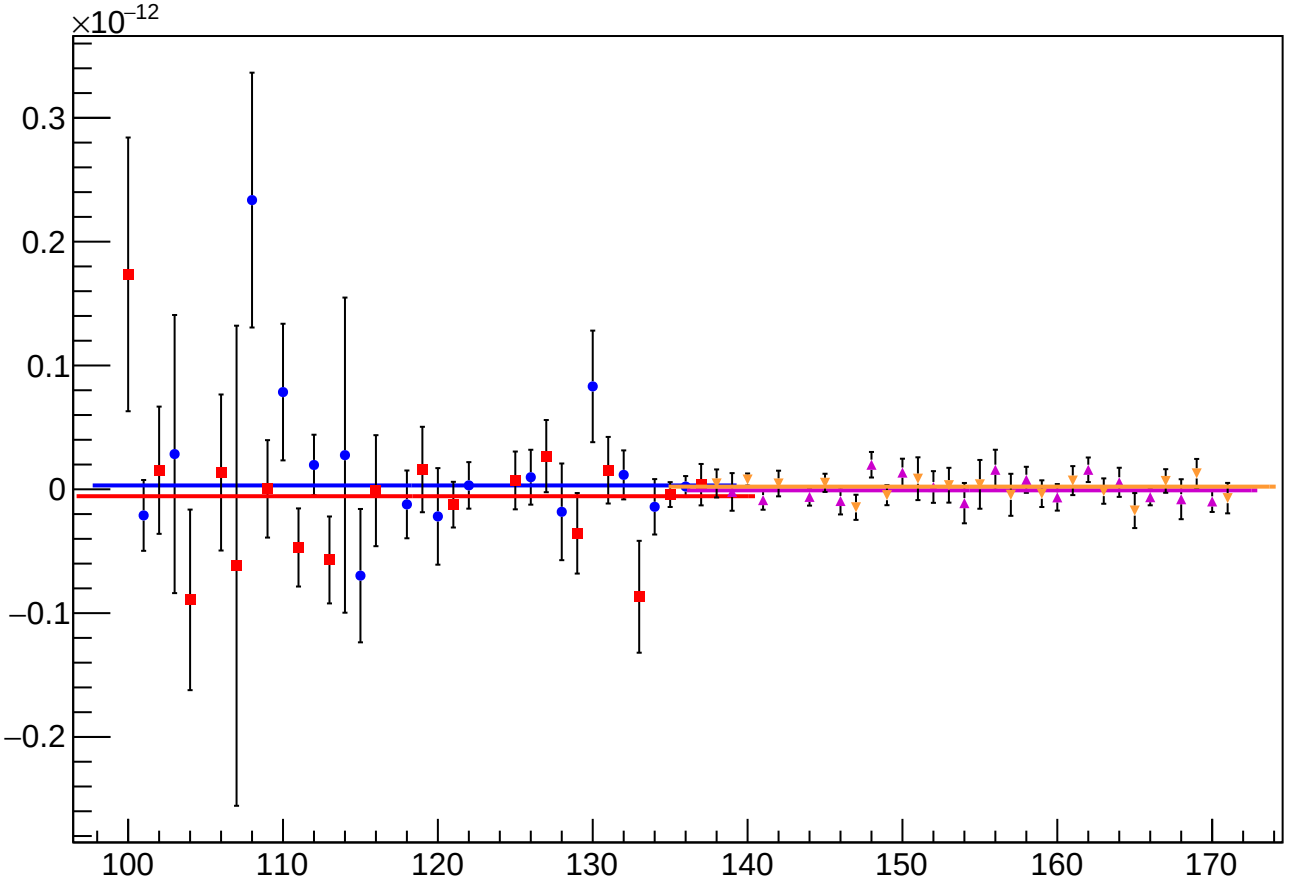
Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363536.7/15

+ sign 22.852+/-0.004 χ^2/NDF: 2279356.9/32

All: 22.362+/-0.003 χ^2/NDF: 5647964.7/66

- sign 21.878+/-0.004 χ^2/NDF: 3338108.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/16

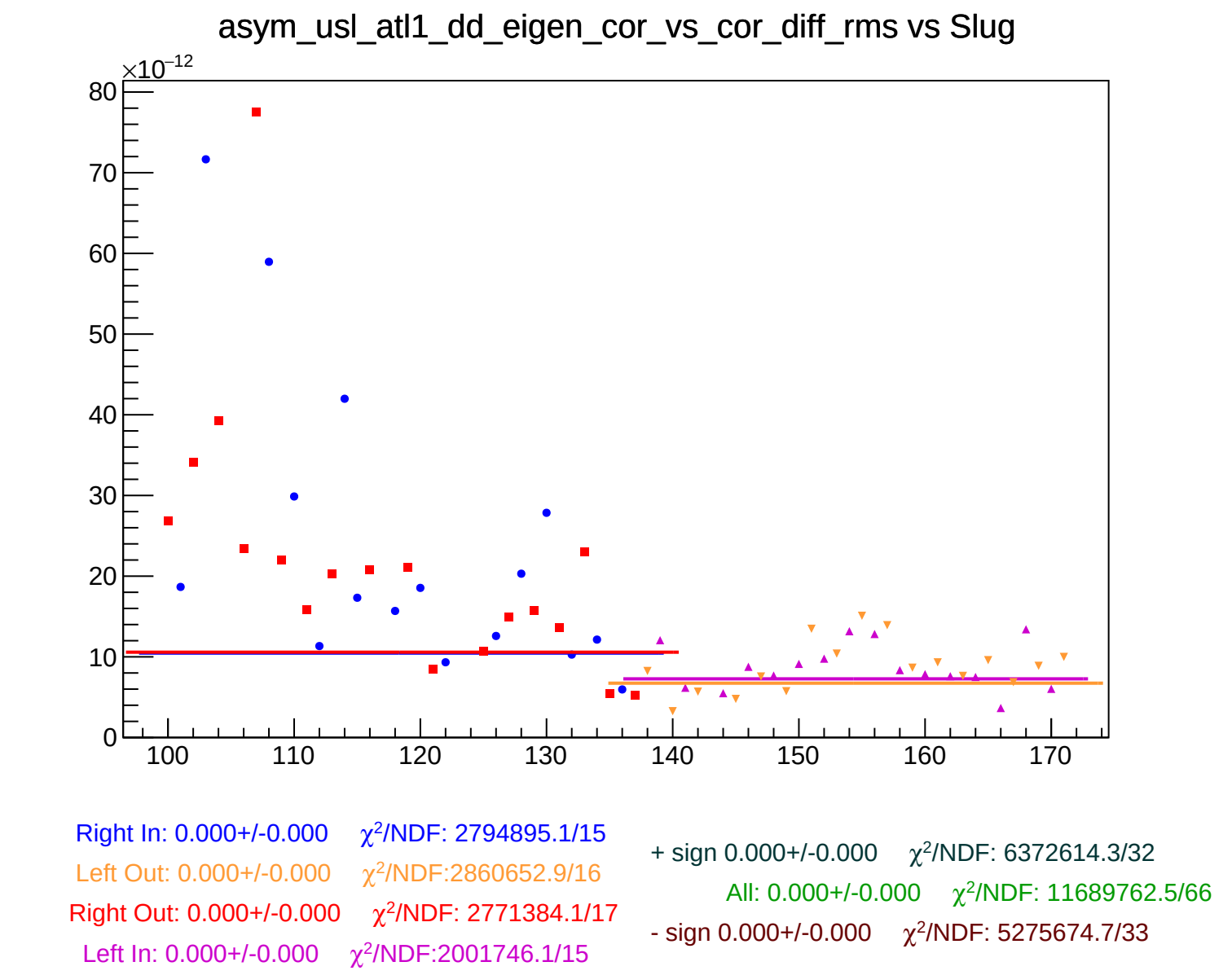
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:15.4/15

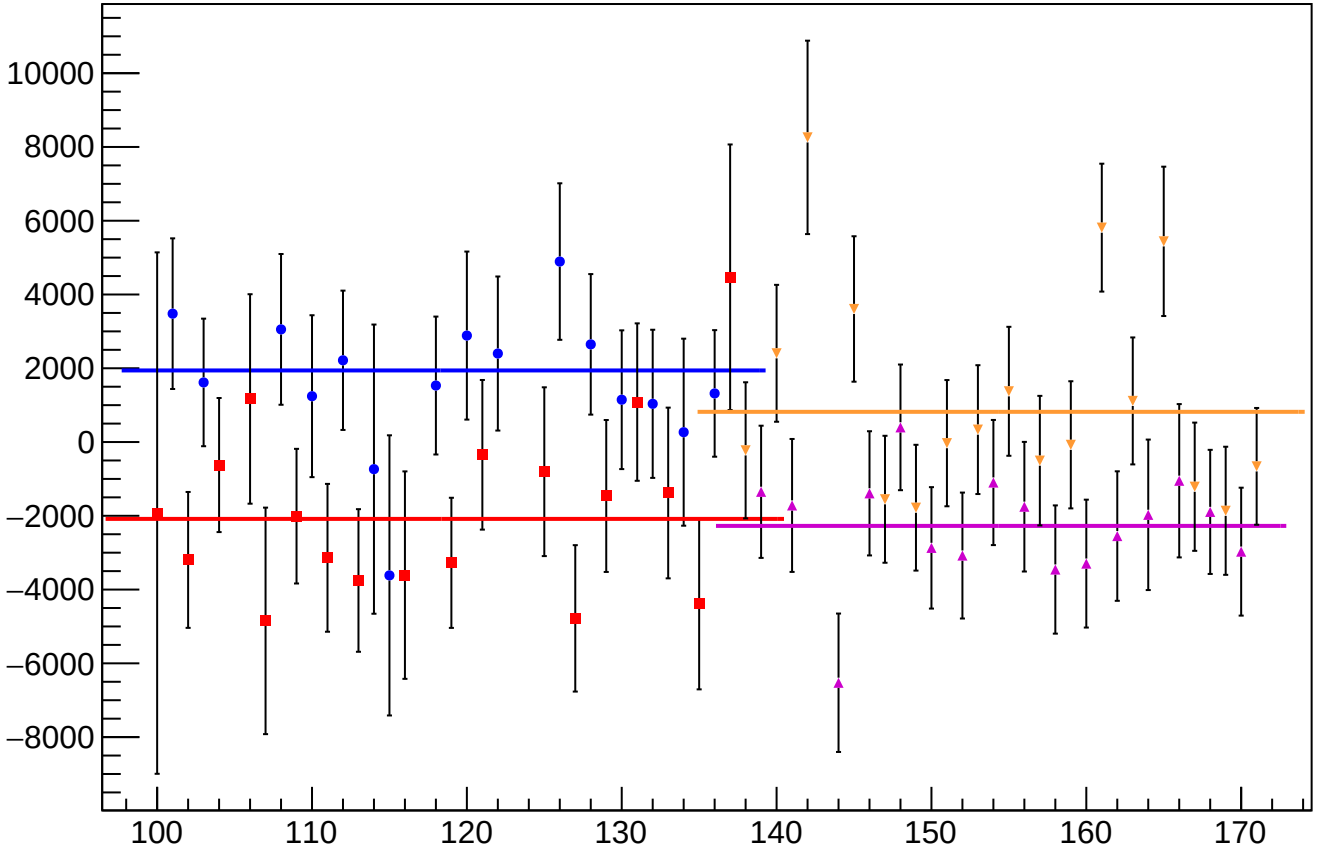
+ sign 0.000+/-0.000 χ^2/NDF: 24.5/32

All: 0.000+/-0.000 χ^2/NDF: 57.1/66

- sign -0.000+/-0.000 χ^2/NDF: 31.2/33


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2860652.9/16
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:2001746.1/15
+ sign 0.000+/-0.000 χ²/NDF: 6372614.3/32
All: 0.000+/-0.000 χ²/NDF: 11689762.5/66
- sign 0.000+/-0.000 χ²/NDF: 5275674.7/33

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.032+/-434.322 χ^2/NDF:34.7/16

Right Out: -2083.952+/-519.583 χ^2/NDF: 14.5/17

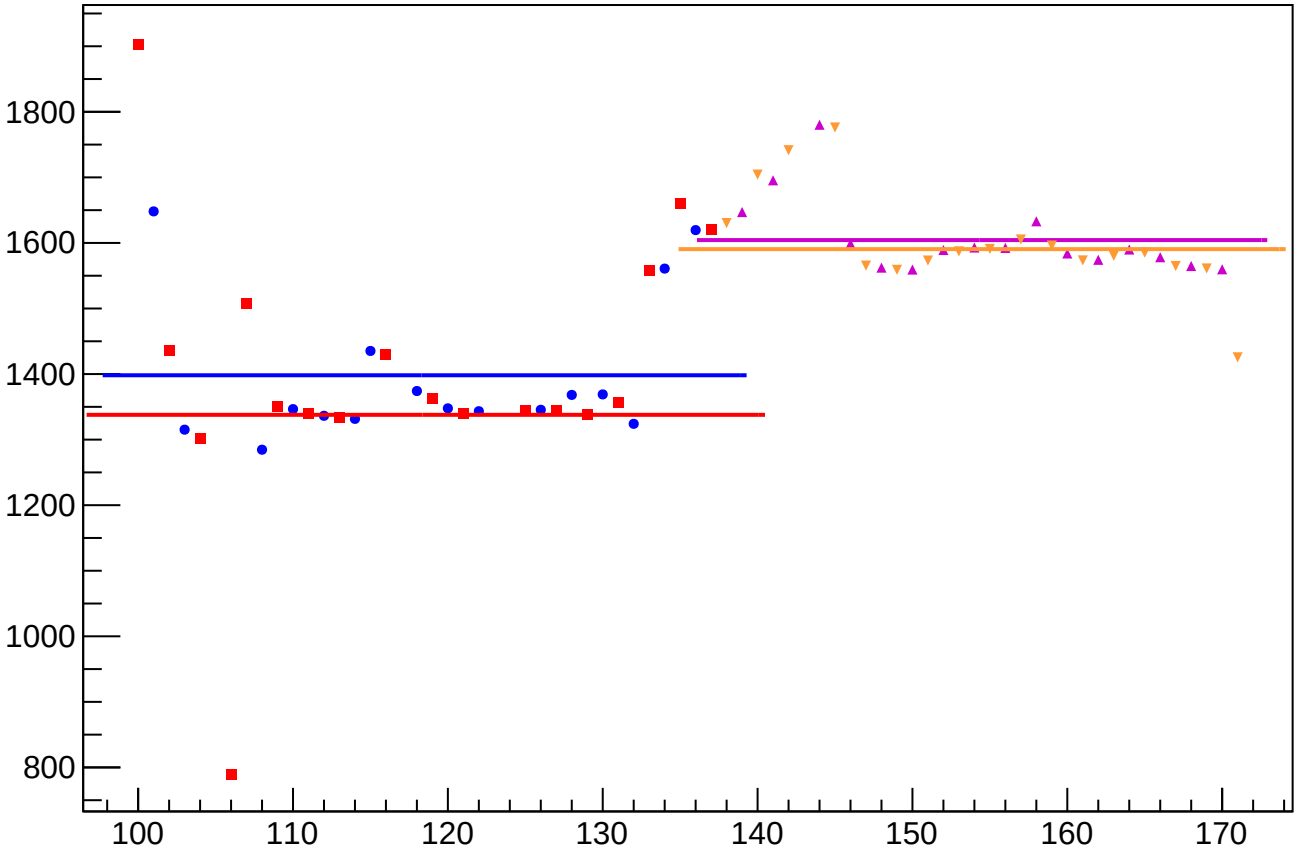
Left In: -2273.528+/-441.519 χ^2/NDF:10.6/15

+ sign 1277.818+/-333.914 χ^2/NDF: 44.4/32

All: -444.971+/-237.005 χ^2/NDF: 123.2/66

- sign -2194.037+/-336.451 χ^2/NDF: 25.1/33

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

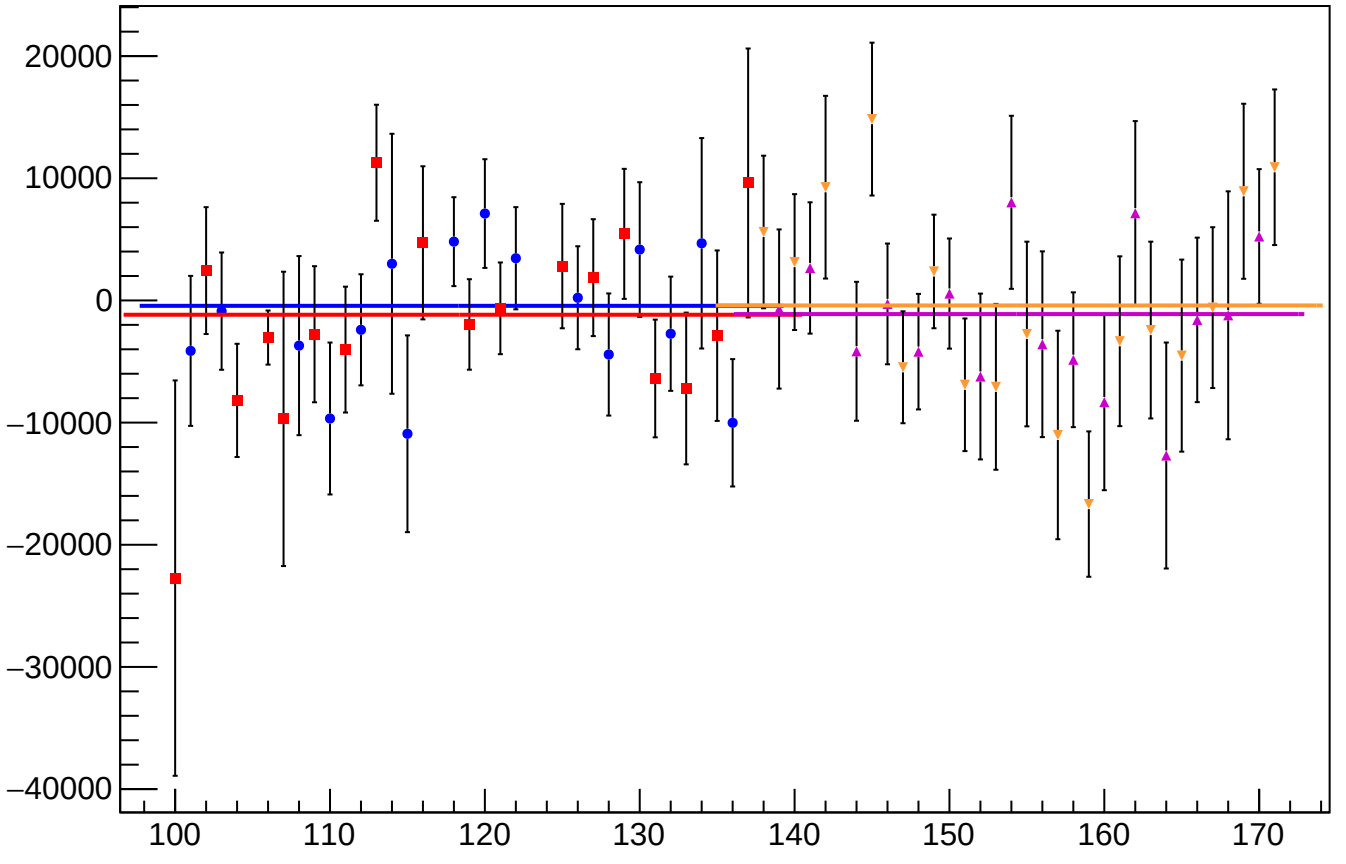
Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

+ sign 1511.892+/-0.236 χ^2/NDF: 311709.7/32

All: 1500.103+/-0.166 χ^2/NDF: 982557.8/66

- sign 1488.454+/-0.235 χ^2/NDF: 665891.6/33



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -410.823+/-1518.514 χ^2/NDF:27.4/16

Right Out: -1171.548+/-1119.890 χ^2/NDF: 19.7/17

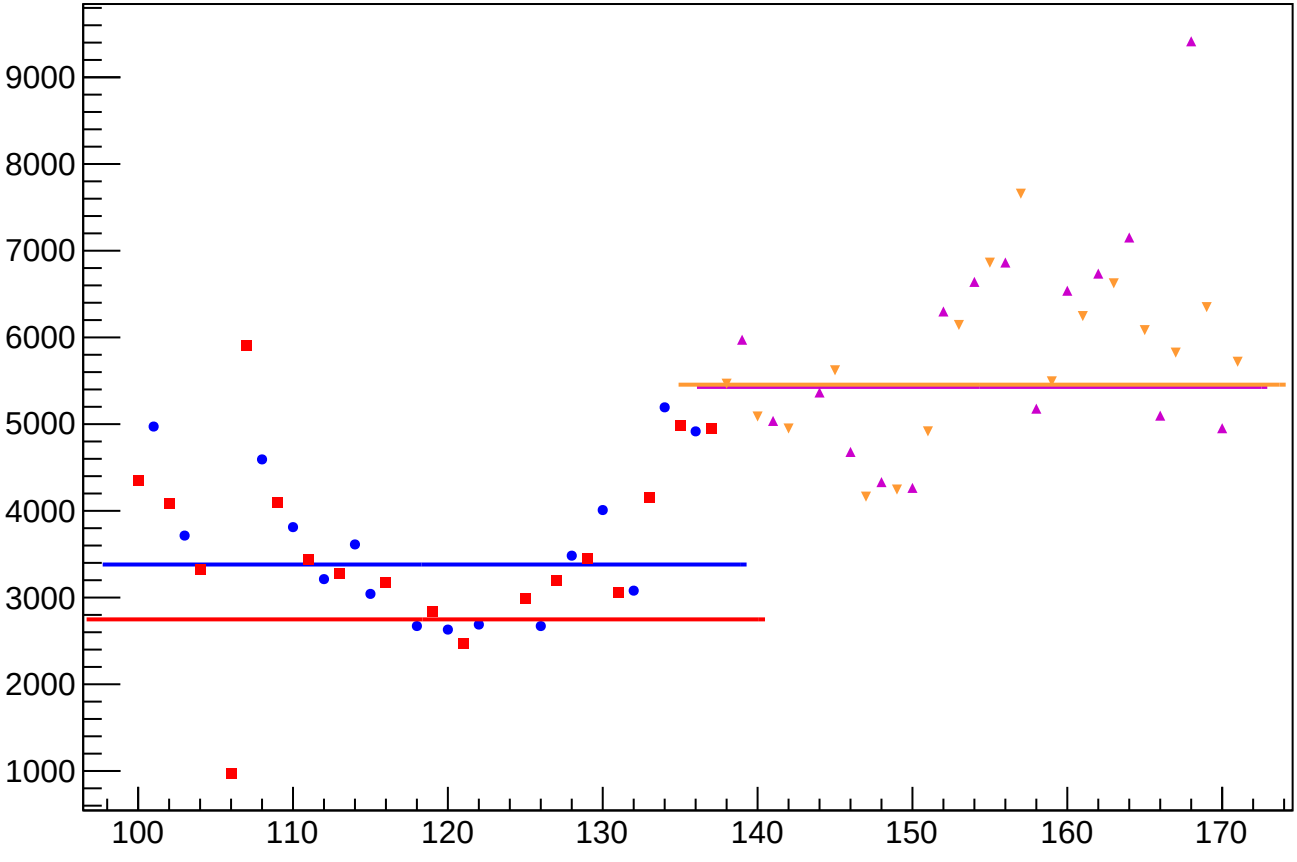
Left In: -1116.601+/-1526.811 χ^2/NDF:9.3/15

+ sign -428.363+/-985.748 χ^2/NDF: 43.3/32

All: -821.994+/-665.861 χ^2/NDF: 72.6/66

- sign -1152.327+/-903.020 χ^2/NDF: 28.9/33

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5455.227+/-1.074 χ^2/NDF:688214.3/16

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

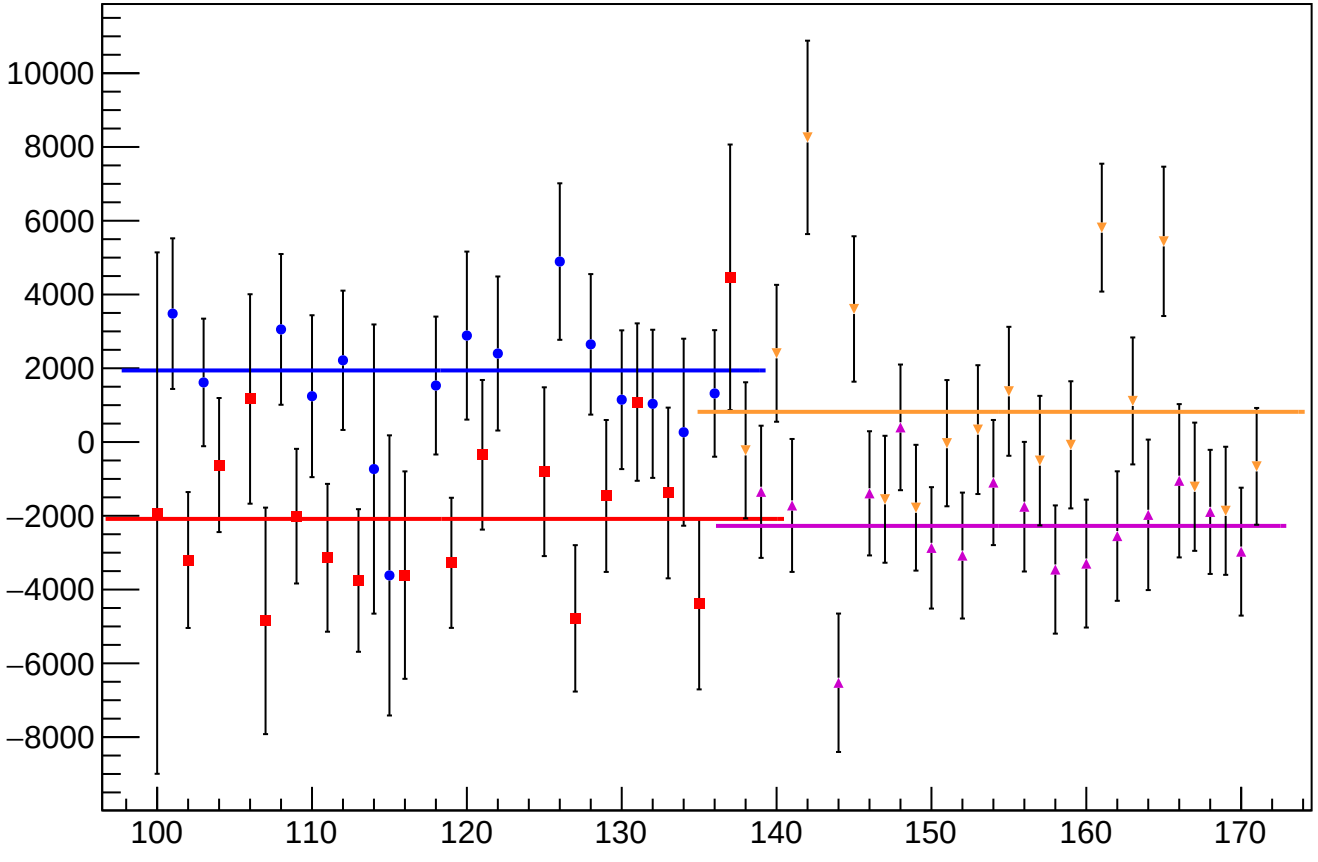
Left In: 5429.317+/-1.080 χ^2/NDF:983971.7/15

+ sign 4255.148+/-0.697 χ^2/NDF: 3604270.7/32

All: 3945.789+/-0.471 χ^2/NDF: 11224495.8/6

- sign 3686.177+/-0.639 χ^2/NDF: 7257940.2/33

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.053+/-434.322 χ^2/NDF:34.8/16

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

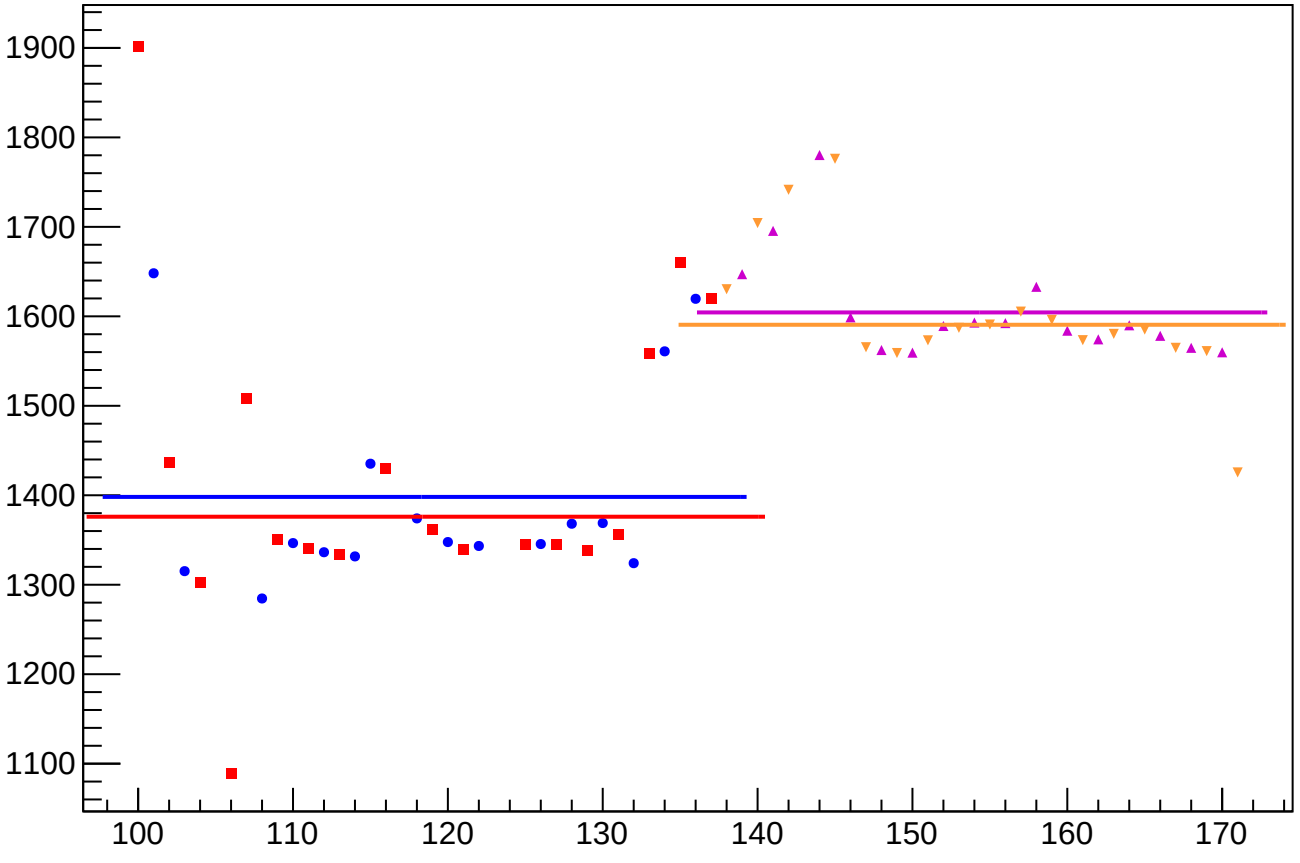
Left In: -2273.641+/-441.519 χ^2/NDF:10.6/15

+ sign 1277.854+/-333.914 χ^2/NDF: 44.4/32

All: -445.026+/-237.005 χ^2/NDF: 123.2/66

- sign -2194.193+/-336.452 χ^2/NDF: 25.1/33

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

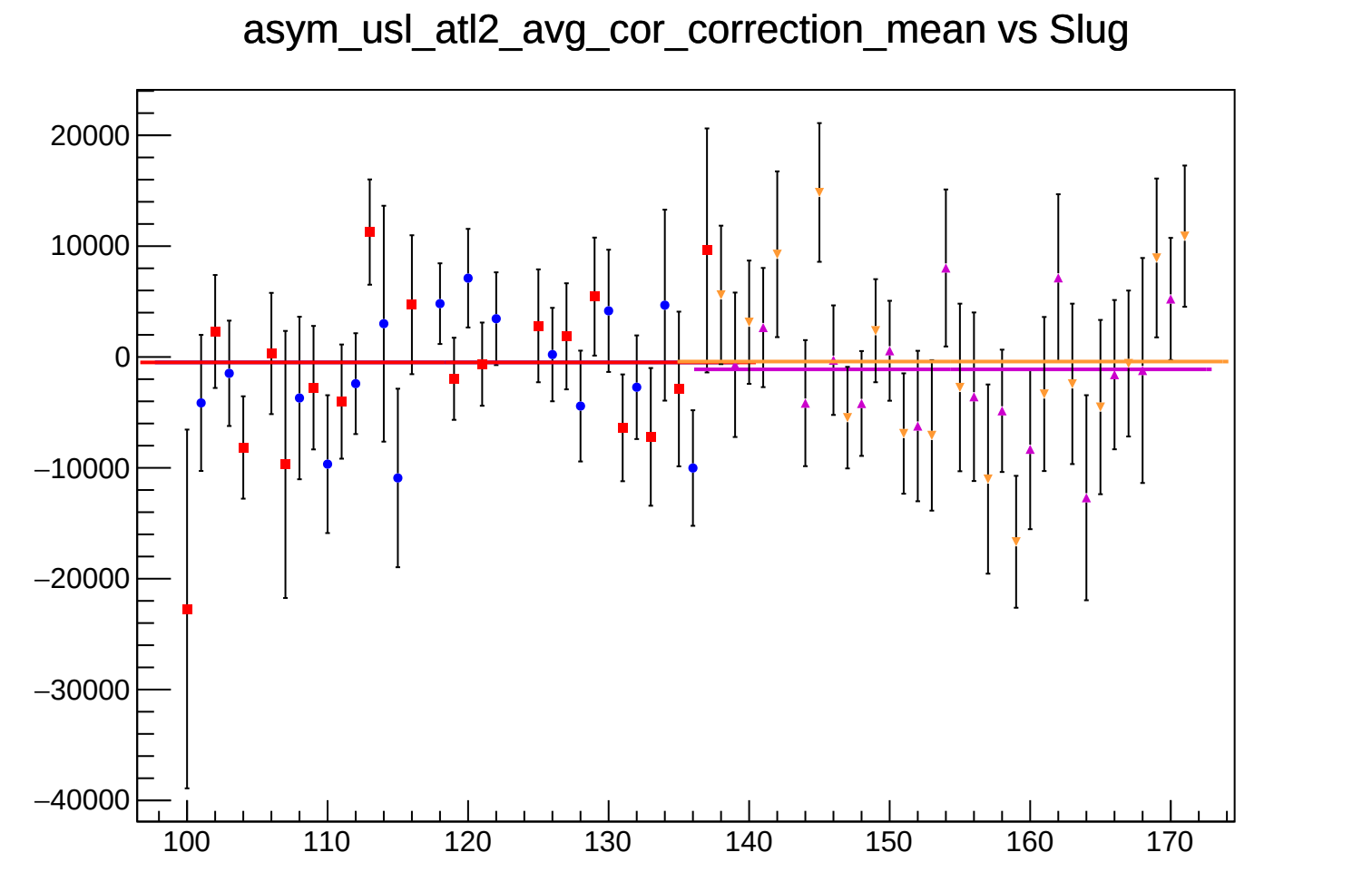
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

+ sign 1511.892+/-0.236 χ^2/NDF: 311709.9/32

All: 1509.514+/-0.167 χ^2/NDF: 684898.1/66

- sign 1507.128+/-0.237 χ^2/NDF: 372985.0/33



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -410.855+/-1518.514 χ^2/NDF:27.4/16

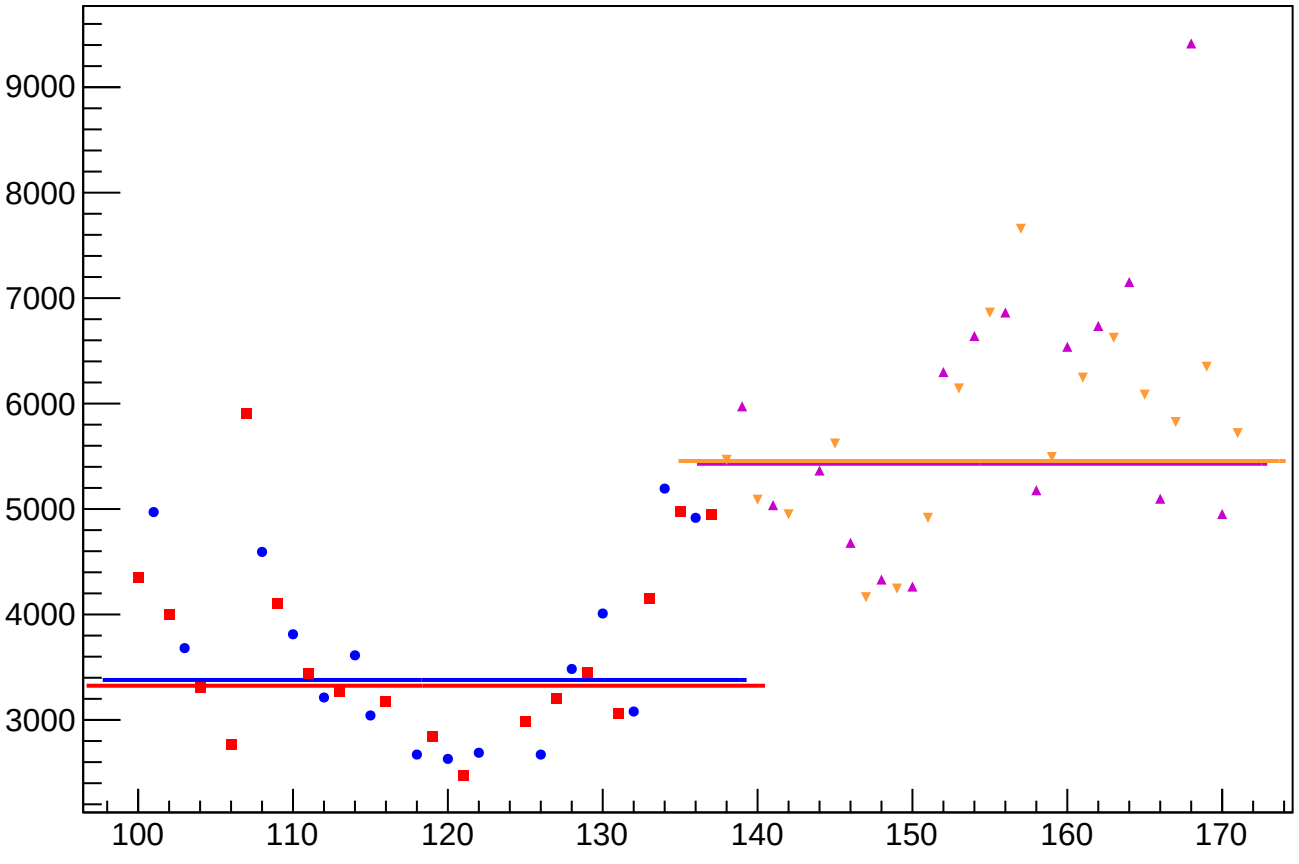
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1116.696+/-1526.809 χ^2/NDF:9.3/15

+ sign -454.687+/-985.314 χ^2/NDF: 43.4/32

All: -600.932+/-692.116 χ^2/NDF: 71.5/66

- sign -743.373+/-972.414 χ^2/NDF: 28.1/33



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5455.229+/-1.074 χ^2/NDF:688211.2/16

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

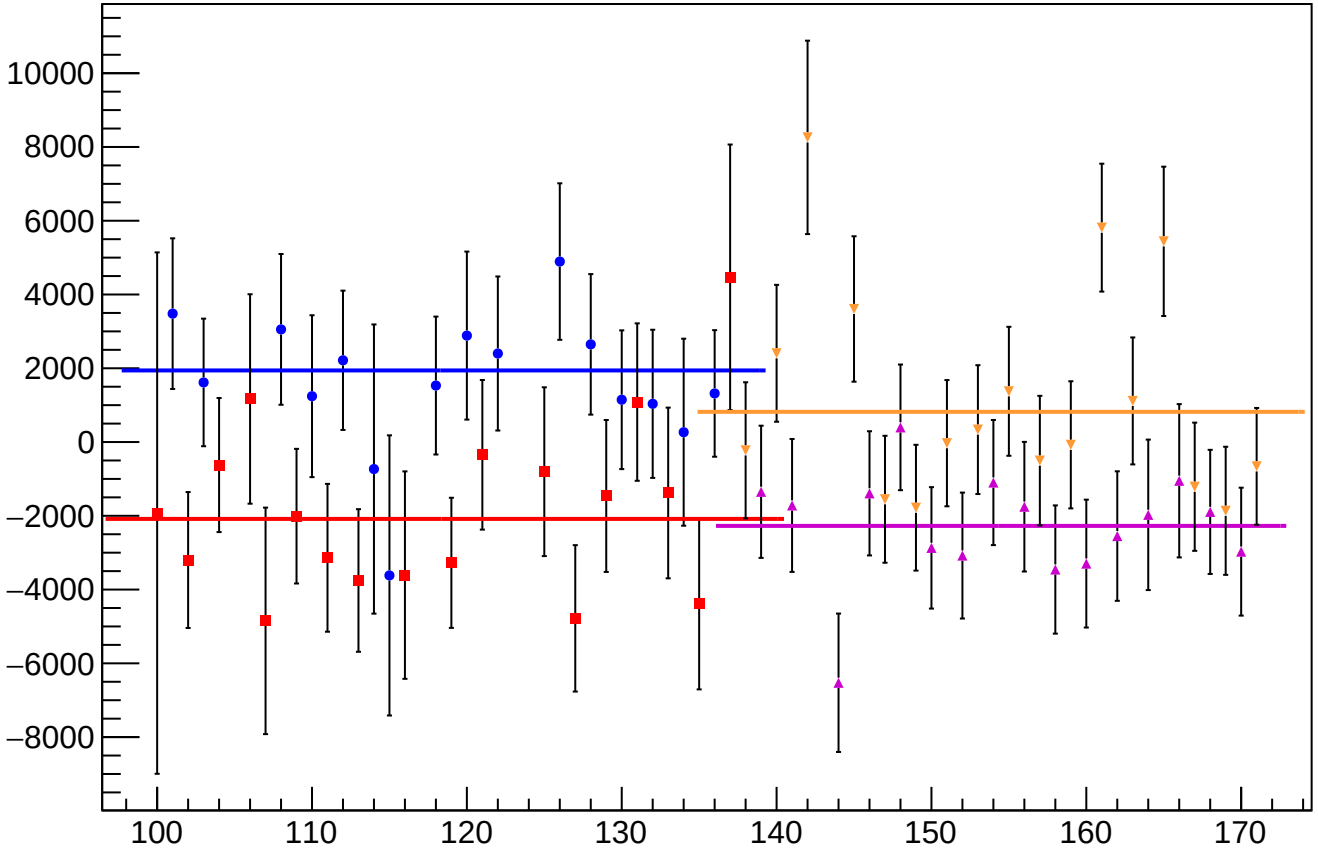
Left In: 5429.311+/-1.080 χ^2/NDF:983982.1/15

+ sign 4253.216+/-0.697 χ^2/NDF: 3608031.5/32

All: 4215.239+/-0.489 χ^2/NDF: 7400933.6/66

- sign 4178.250+/-0.688 χ^2/NDF: 3787037.1/33

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.053+/-434.322 χ^2/NDF:34.8/16

Right Out: -2084.166+/-519.587 χ^2/NDF: 14.5/17

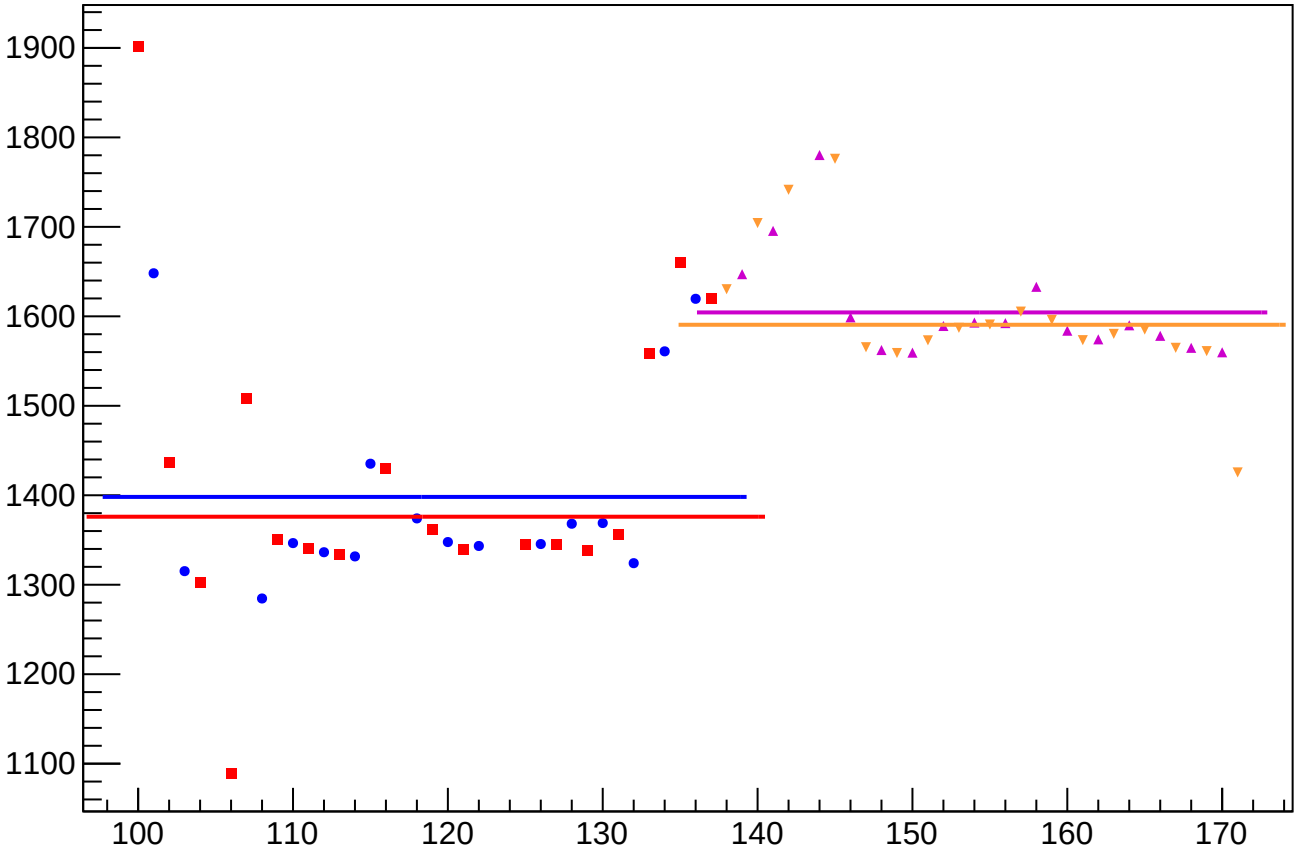
Left In: -2273.641+/-441.519 χ^2/NDF:10.6/15

+ sign 1277.854+/-333.914 χ^2/NDF: 44.4/32

All: -445.026+/-237.005 χ^2/NDF: 123.2/66

- sign -2194.193+/-336.452 χ^2/NDF: 25.1/33

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

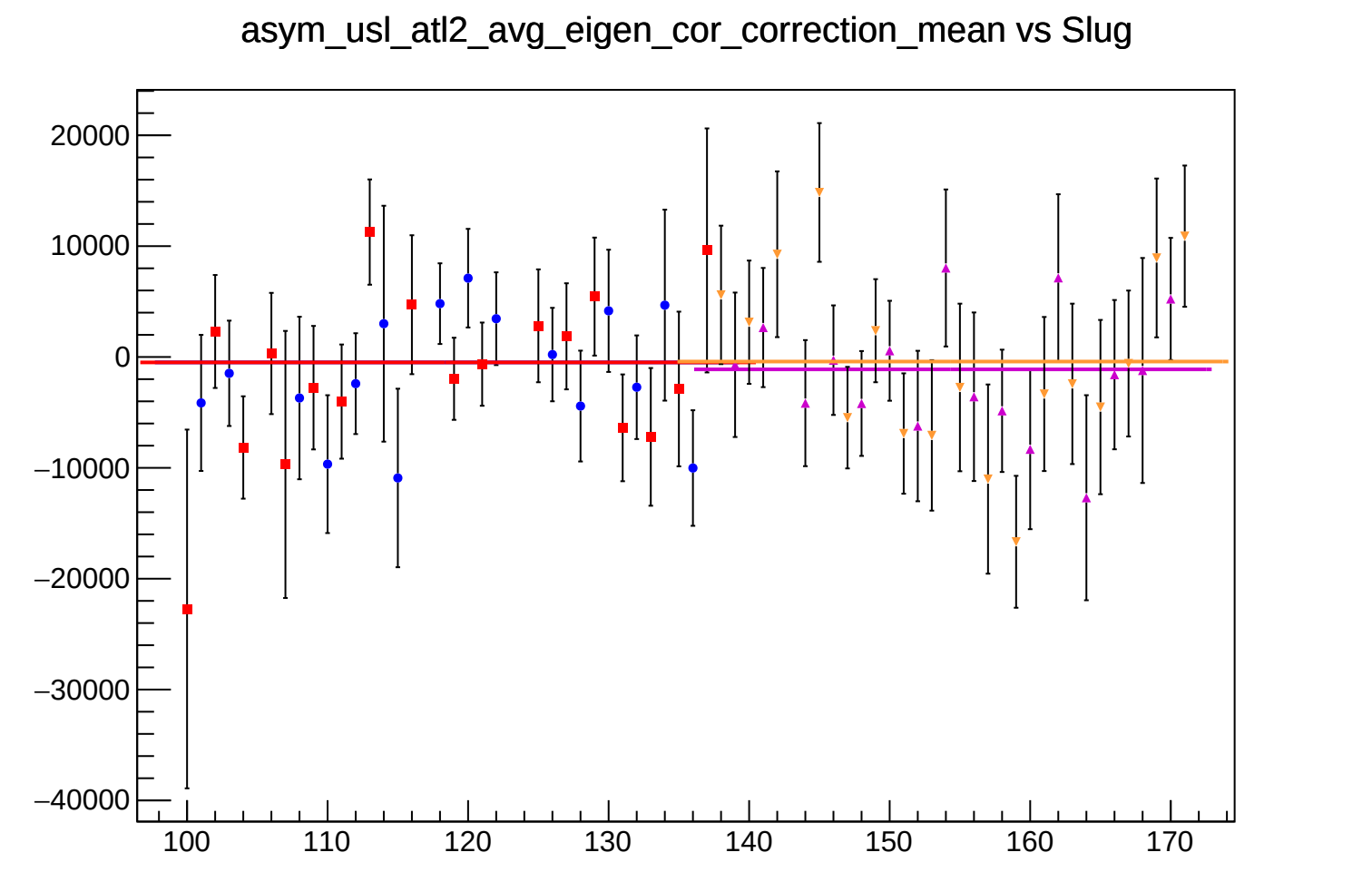
Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1604.364+/-0.312 χ^2/NDF:31154.0/15

+ sign 1511.892+/-0.236 χ^2/NDF: 311709.9/32

All: 1509.514+/-0.167 χ^2/NDF: 684898.1/66

- sign 1507.128+/-0.237 χ^2/NDF: 372985.0/33



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -410.855+/-1518.514 χ^2/NDF:27.4/16

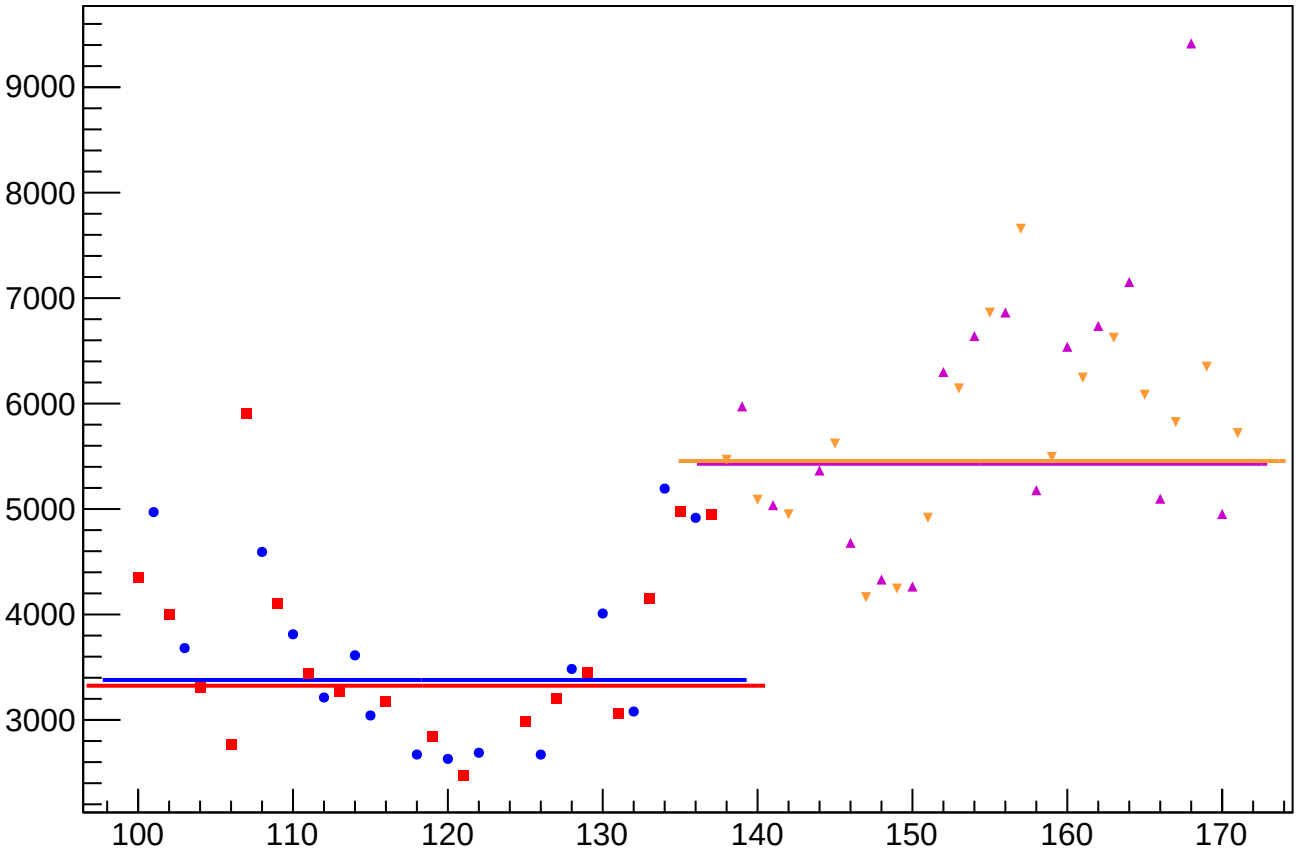
Right Out: -488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: -1116.696+/-1526.809 χ^2/NDF:9.3/15

+ sign -454.687+/-985.314 χ^2/NDF: 43.4/32

All: -600.932+/-692.116 χ^2/NDF: 71.5/66

- sign -743.373+/-972.414 χ^2/NDF: 28.1/33



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5455.229+/-1.074 χ^2/NDF:688211.2/16

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

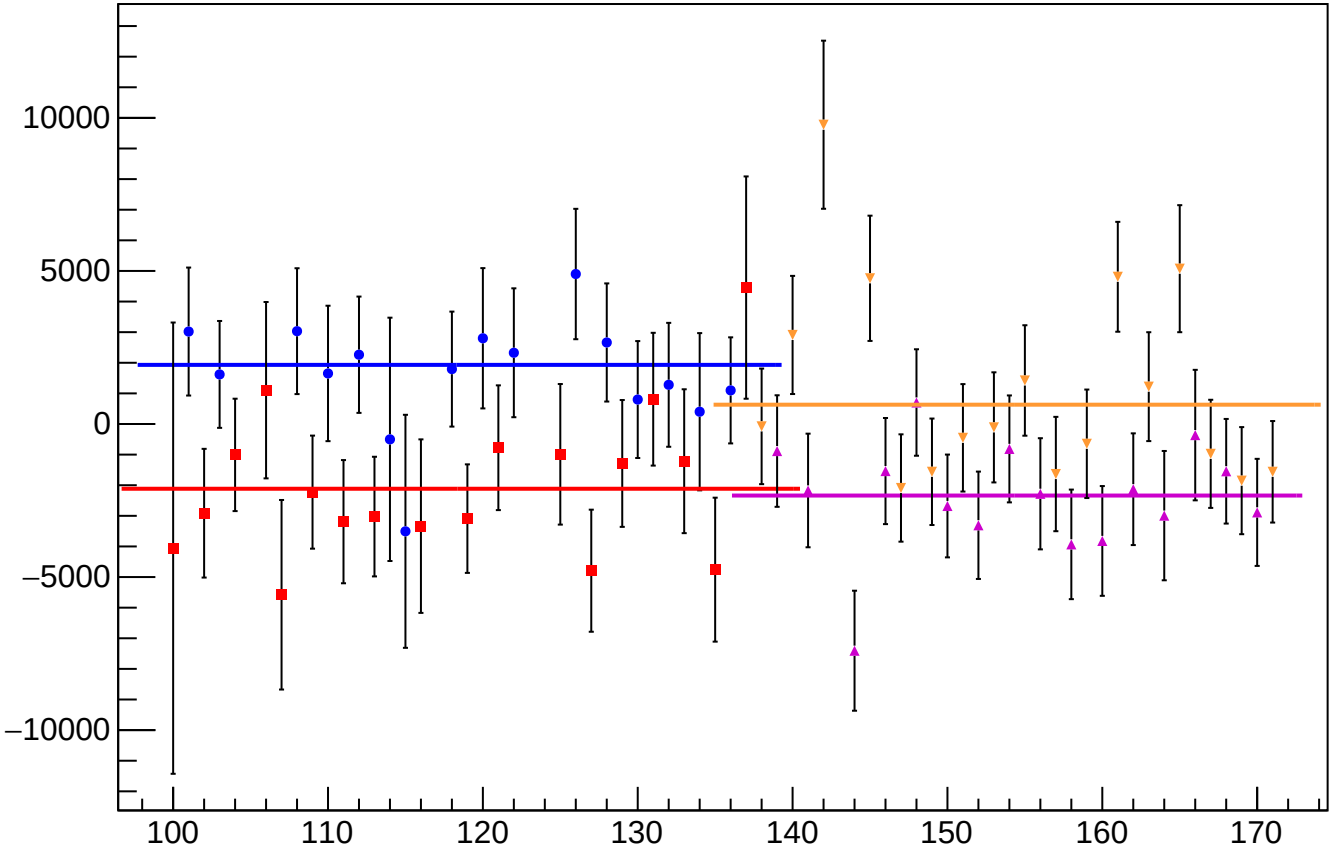
Left In: 5429.311+/-1.080 χ^2/NDF:983982.1/15

+ sign 4253.216+/-0.697 χ^2/NDF: 3608031.5/32

All: 4215.239+/-0.489 χ^2/NDF: 7400933.6/66

- sign 4178.250+/-0.688 χ^2/NDF: 3787037.1/33

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 630.858+/-447.530 χ^2/NDF:38.1/16

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

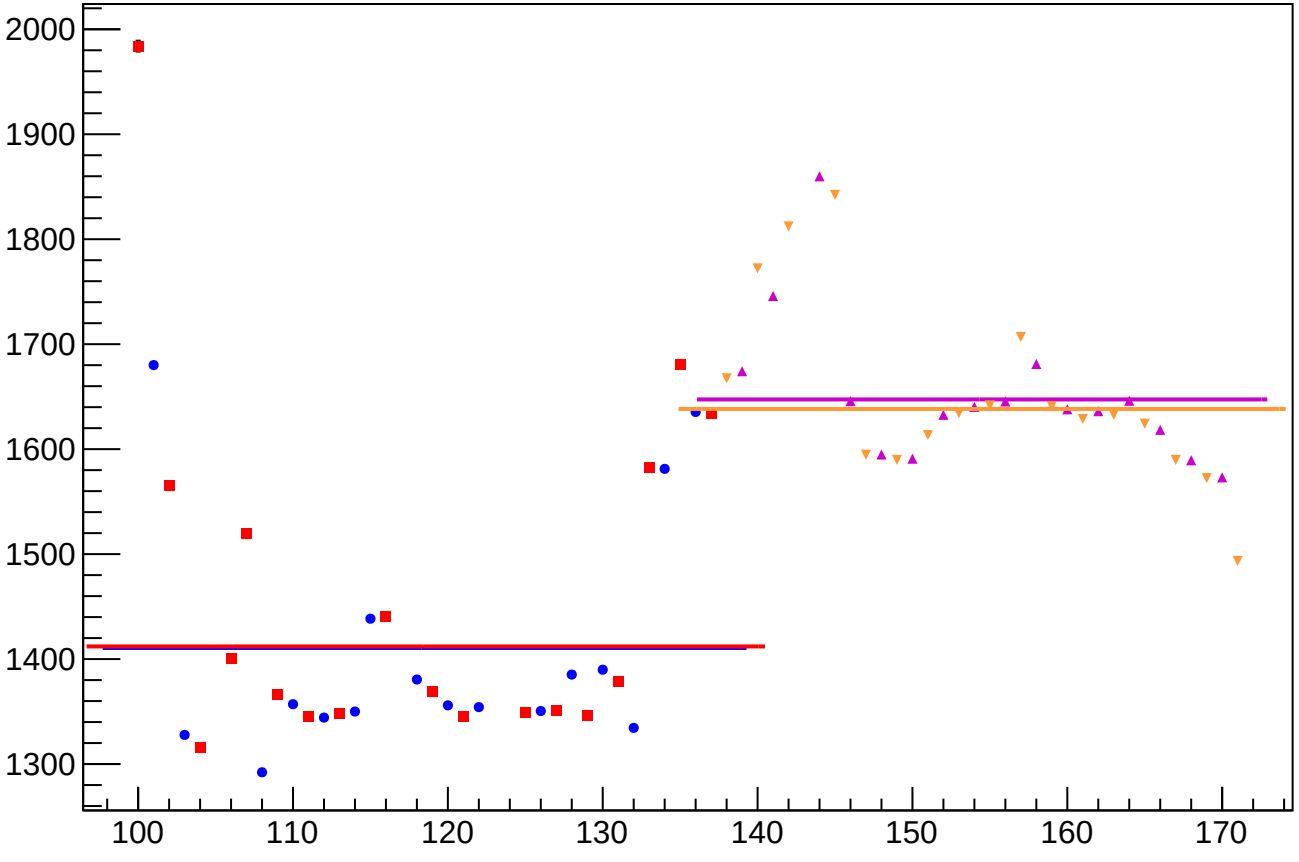
Left In: -2337.139+/-453.463 χ^2/NDF:14.5/15

+ sign 1175.668+/-341.161 χ^2/NDF: 48.0/32

All: -518.409+/-242.315 χ^2/NDF: 125.6/66

- sign -2243.090+/-344.229 χ^2/NDF: 27.8/33

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1638.312+/-0.316 χ^2/NDF:63680.0/16

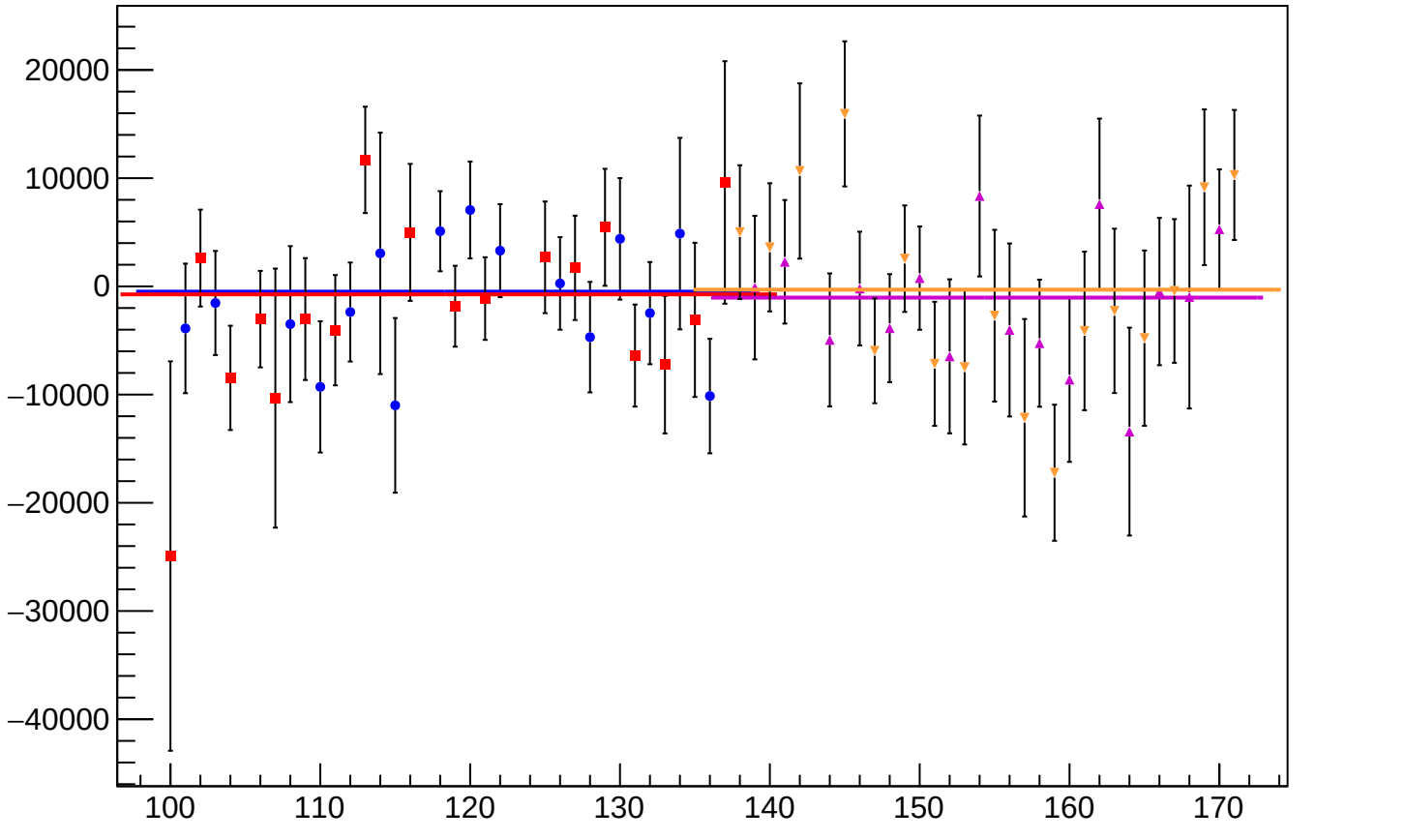
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1647.355+/-0.321 χ^2/NDF:40959.6/15

+ sign 1542.929+/-0.241 χ^2/NDF: 379725.7/32

All: 1545.116+/-0.171 χ^2/NDF: 739463.3/66

- sign 1547.337+/-0.243 χ^2/NDF: 359572.0/33



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -304.125+/-1580.556 χ^2/NDF:27.5/16

Right Out: -740.592+/-1247.947 χ^2/NDF: 19.2/17

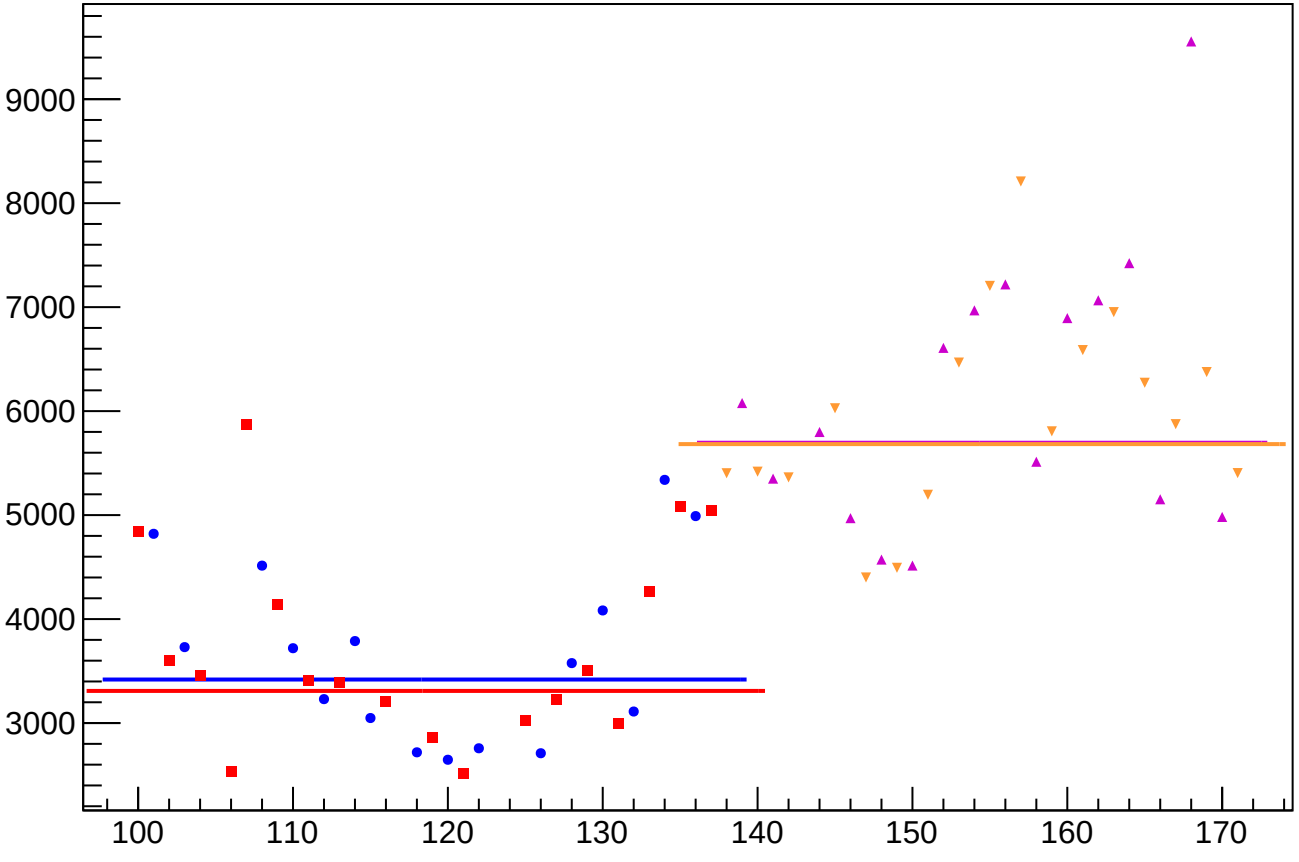
Left In: -1038.036+/-1600.653 χ^2/NDF:9.2/15

+ sign -414.044+/-1008.006 χ^2/NDF: 43.4/32

All: -638.793+/-704.192 χ^2/NDF: 71.9/66

- sign -853.041+/-984.177 χ^2/NDF: 28.4/33

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5682.738+/-1.118 χ^2/NDF:661435.8/16

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

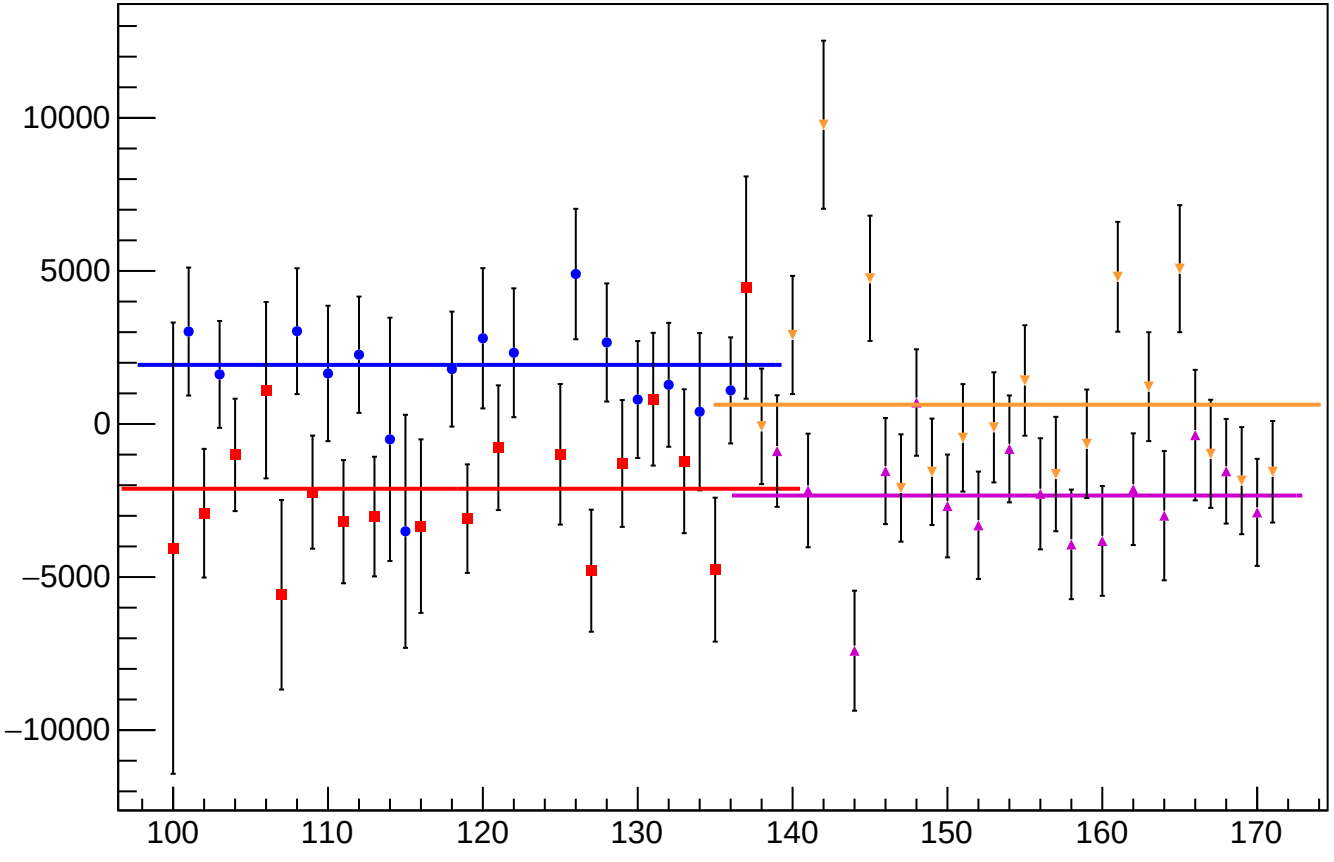
Left In: 5695.871+/-1.132 χ^2/NDF:943696.5/15

+ sign 4339.554+/-0.713 χ^2/NDF: 3817259.9/32

All: 4273.961+/-0.498 χ^2/NDF: 8115147.7/66

- sign 4211.432+/-0.696 χ^2/NDF: 4281345.9/33

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 630.852+/-447.530 χ^2/NDF:38.1/16

Right Out: -2115.195+/-528.802 χ^2/NDF: 13.2/17

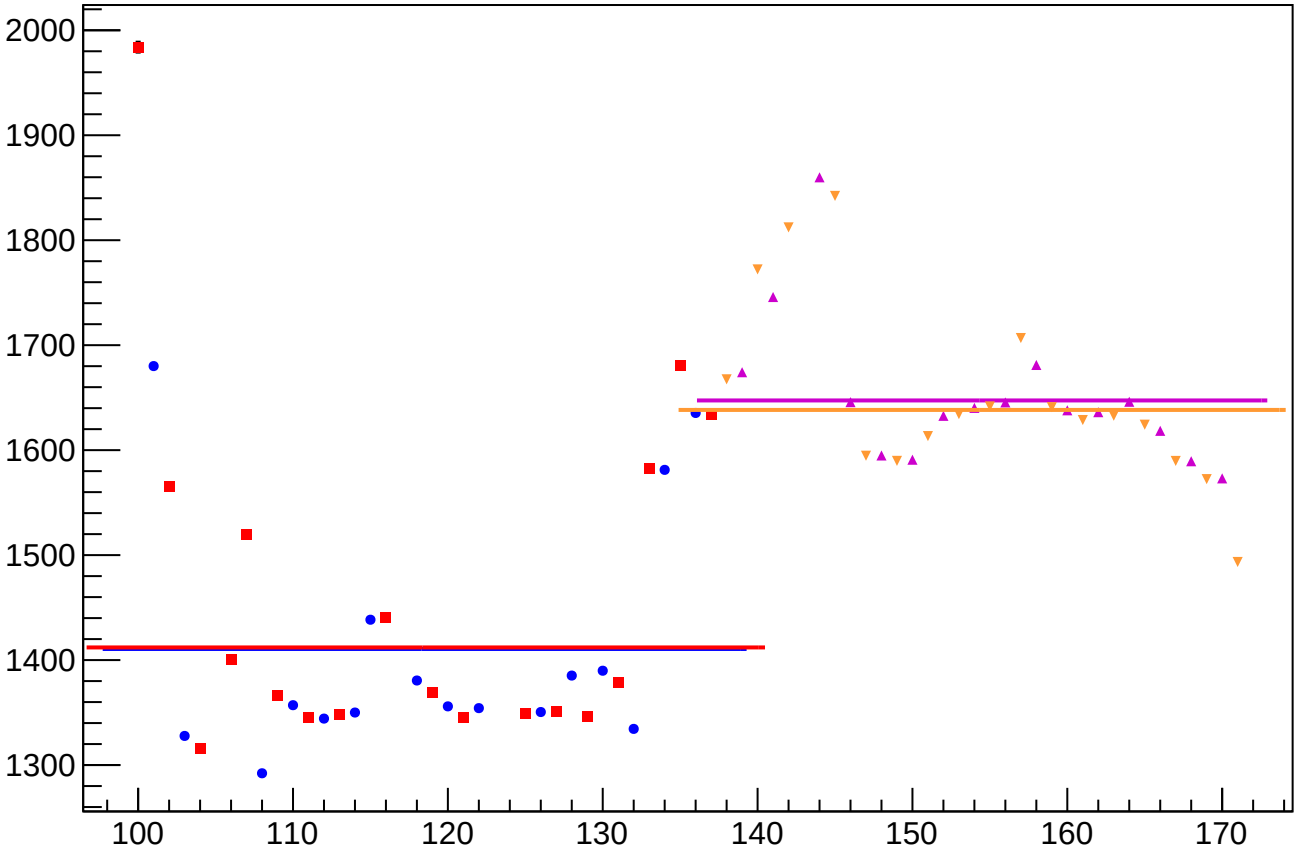
Left In: -2337.141+/-453.463 χ^2/NDF:14.5/15

+ sign 1175.666+/-341.162 χ^2/NDF: 48.0/32

All: -518.411+/-242.315 χ^2/NDF: 125.6/66

- sign -2243.091+/-344.229 χ^2/NDF: 27.8/33

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1638.313+/-0.316 χ^2/NDF:63682.5/16

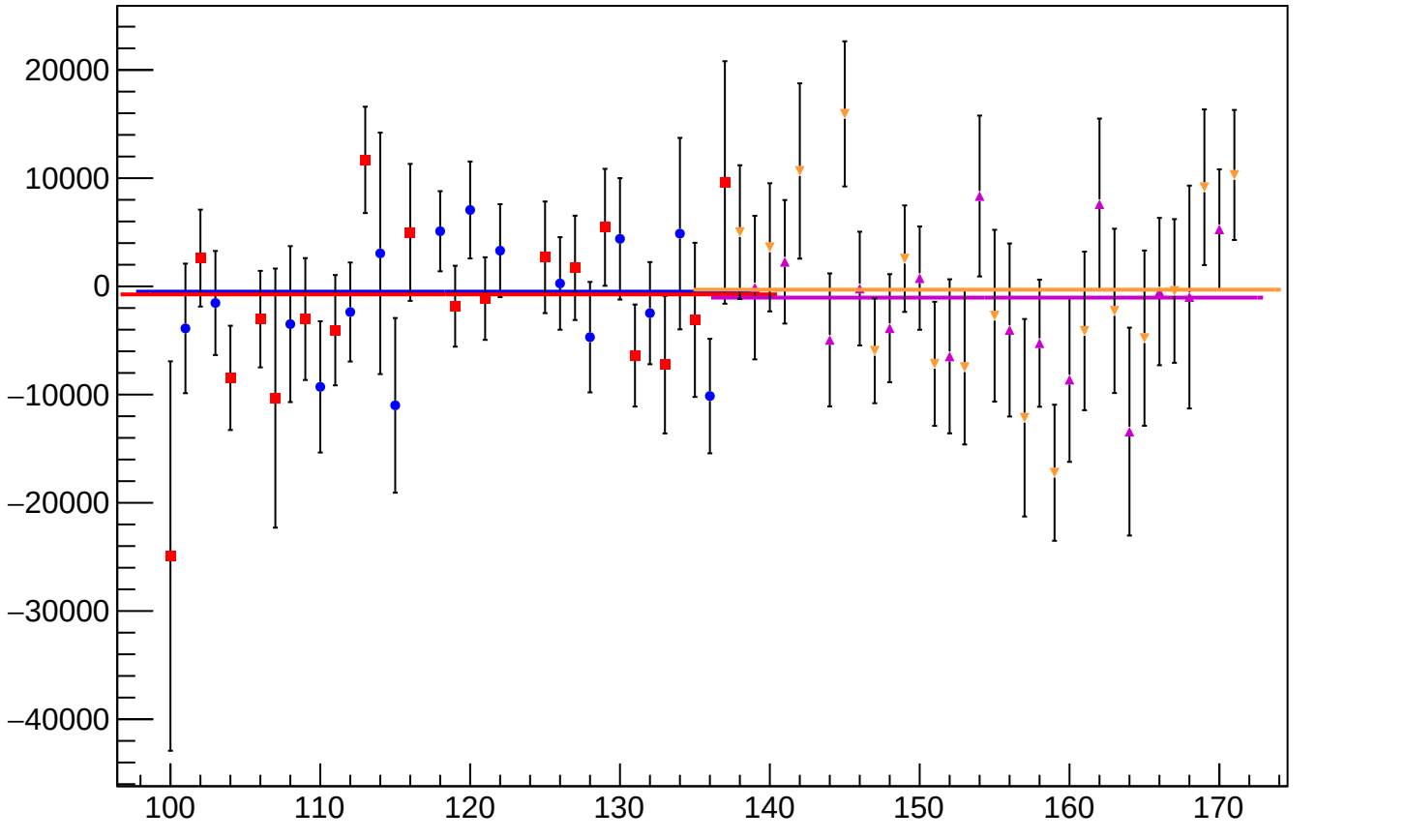
Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1647.356+/-0.321 χ^2/NDF:40960.2/15

+ sign 1542.930+/-0.241 χ^2/NDF: 379729.3/32

All: 1545.116+/-0.171 χ^2/NDF: 739470.2/66

- sign 1547.337+/-0.243 χ^2/NDF: 359575.3/33



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -304.133+/-1580.559 χ^2/NDF:27.5/16

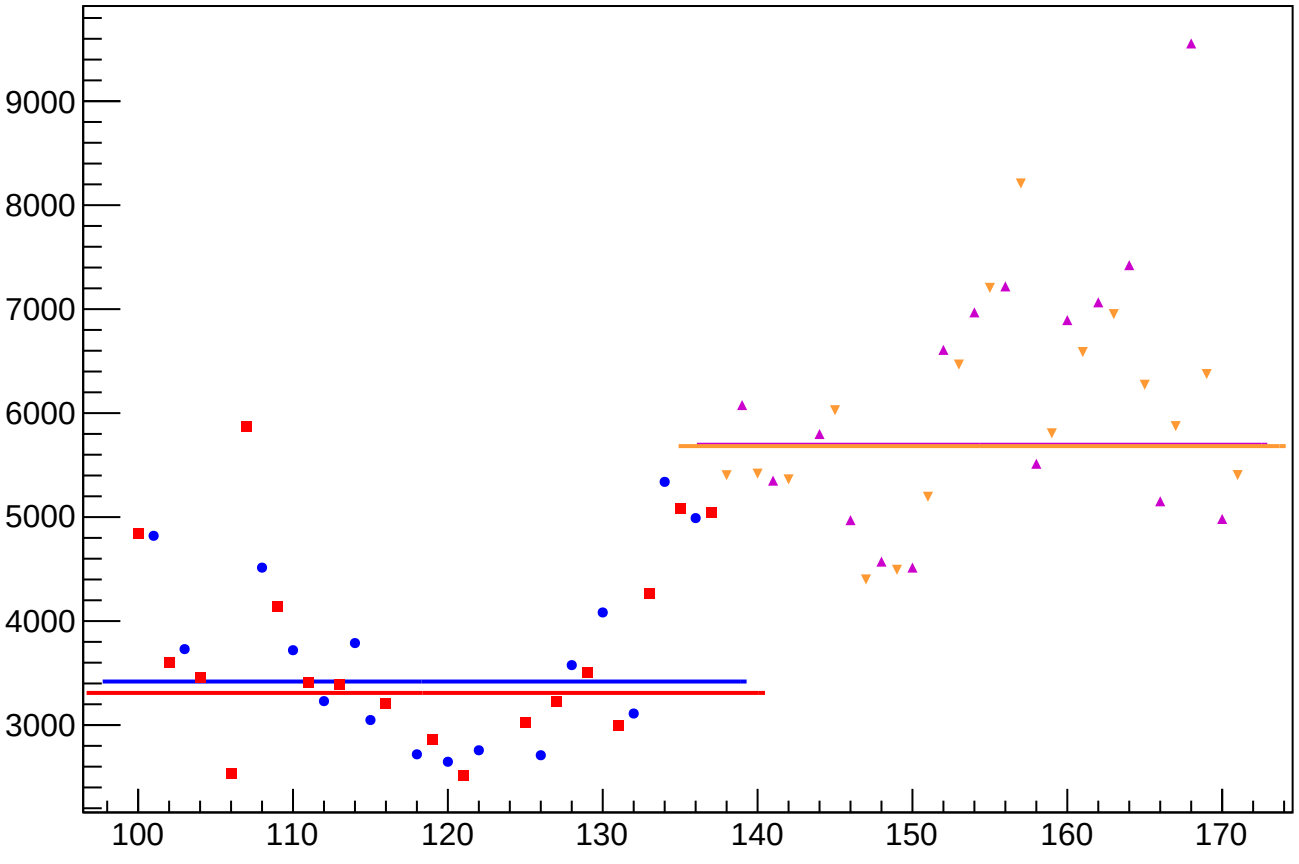
Right Out: -740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: -1038.036+/-1600.655 χ^2/NDF:9.2/15

+ sign -414.044+/-1008.005 χ^2/NDF: 43.4/32

All: -638.793+/-704.191 χ^2/NDF: 71.9/66

- sign -853.042+/-984.176 χ^2/NDF: 28.4/33



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5682.746+/-1.118 χ^2/NDF:661438.0/16

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

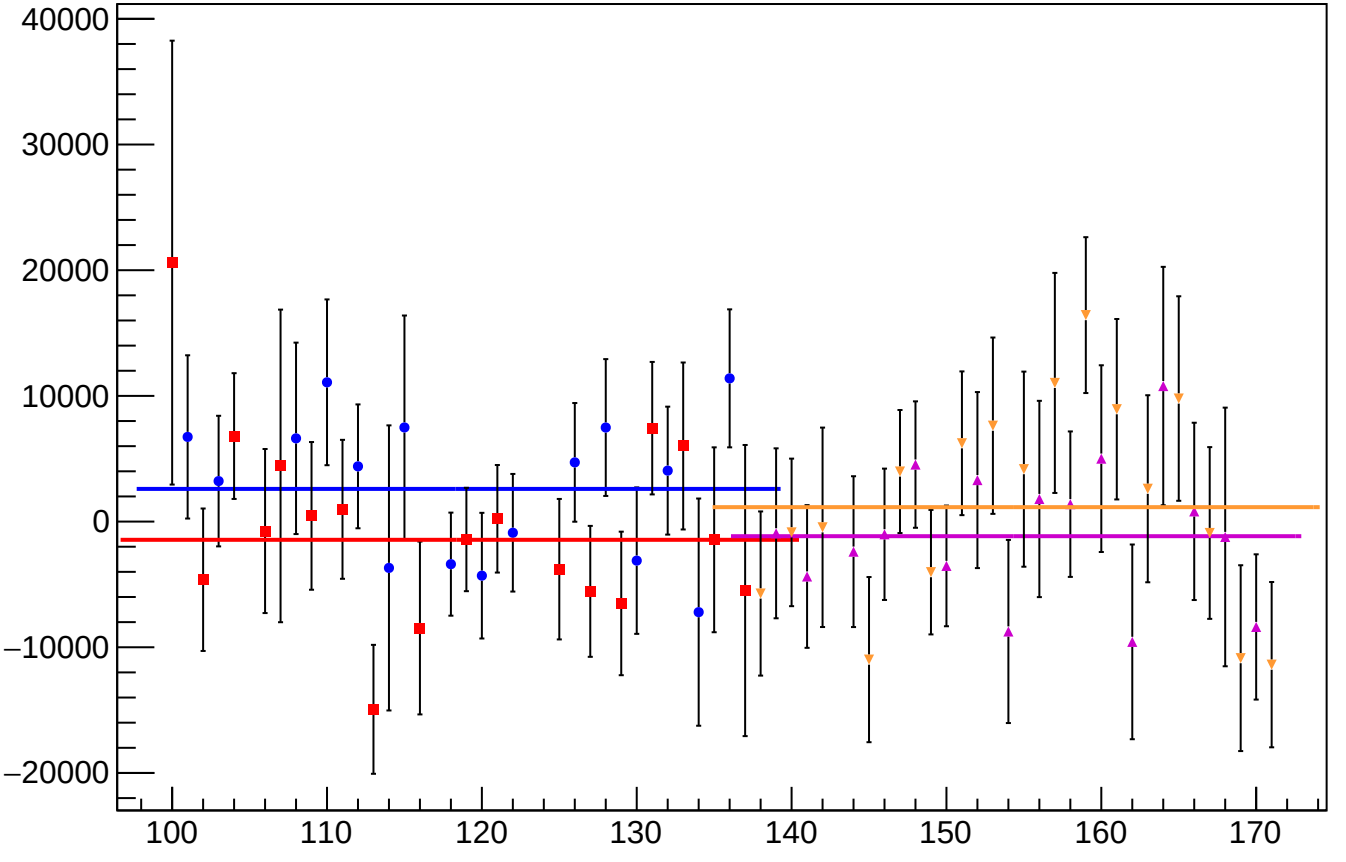
Left In: 5695.878+/-1.132 χ^2/NDF:943699.5/15

+ sign 4339.545+/-0.713 χ^2/NDF: 3817313.7/32

All: 4273.952+/-0.498 χ^2/NDF: 8115248.5/66

- sign 4211.424+/-0.696 χ^2/NDF: 4281392.9/33

asym_usl_atl2_avg_mean vs Slug



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1147.385+/-1589.127 χ^2/NDF:24.0/16

Right Out: -1450.418+/-1382.818 χ^2/NDF: 19.0/17

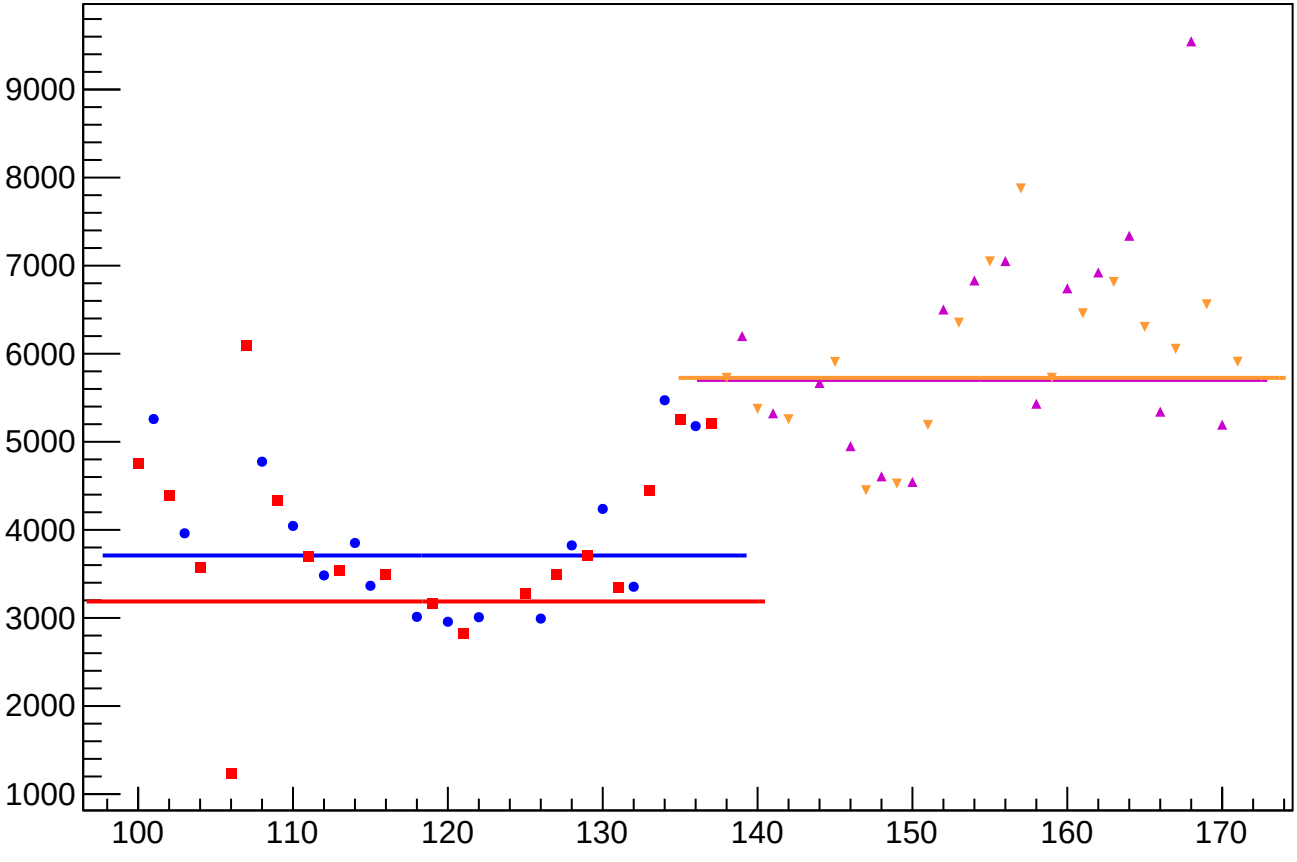
Left In: -1162.461+/-1599.037 χ^2/NDF:8.8/15

+ sign 1957.651+/-1056.568 χ^2/NDF: 37.9/32

All: 298.640+/-743.326 χ^2/NDF: 70.6/66

- sign -1327.211+/-1045.956 χ^2/NDF: 27.9/33

asym_usl_atl2_avg_rms vs Slug



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5725.761+/-1.124 χ^2/NDF:586731.7/16

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

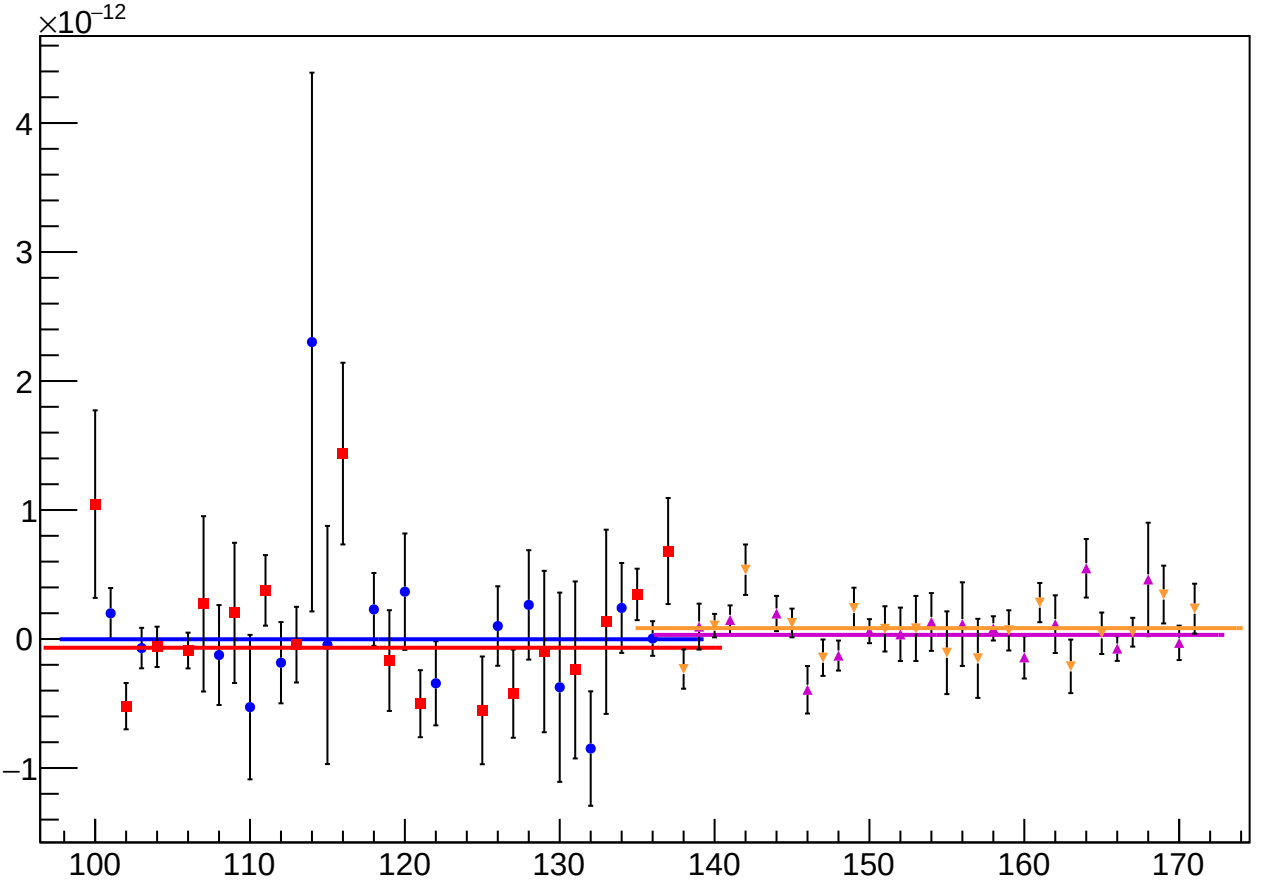
Left In: 5702.727+/-1.131 χ^2/NDF:858985.0/15

+ sign 4600.607+/-0.747 χ^2/NDF: 2994360.6/32

All: 4364.987+/-0.512 χ^2/NDF: 8692990.3/66

- sign 4156.939+/-0.702 χ^2/NDF: 5511343.3/33

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:20.3/16

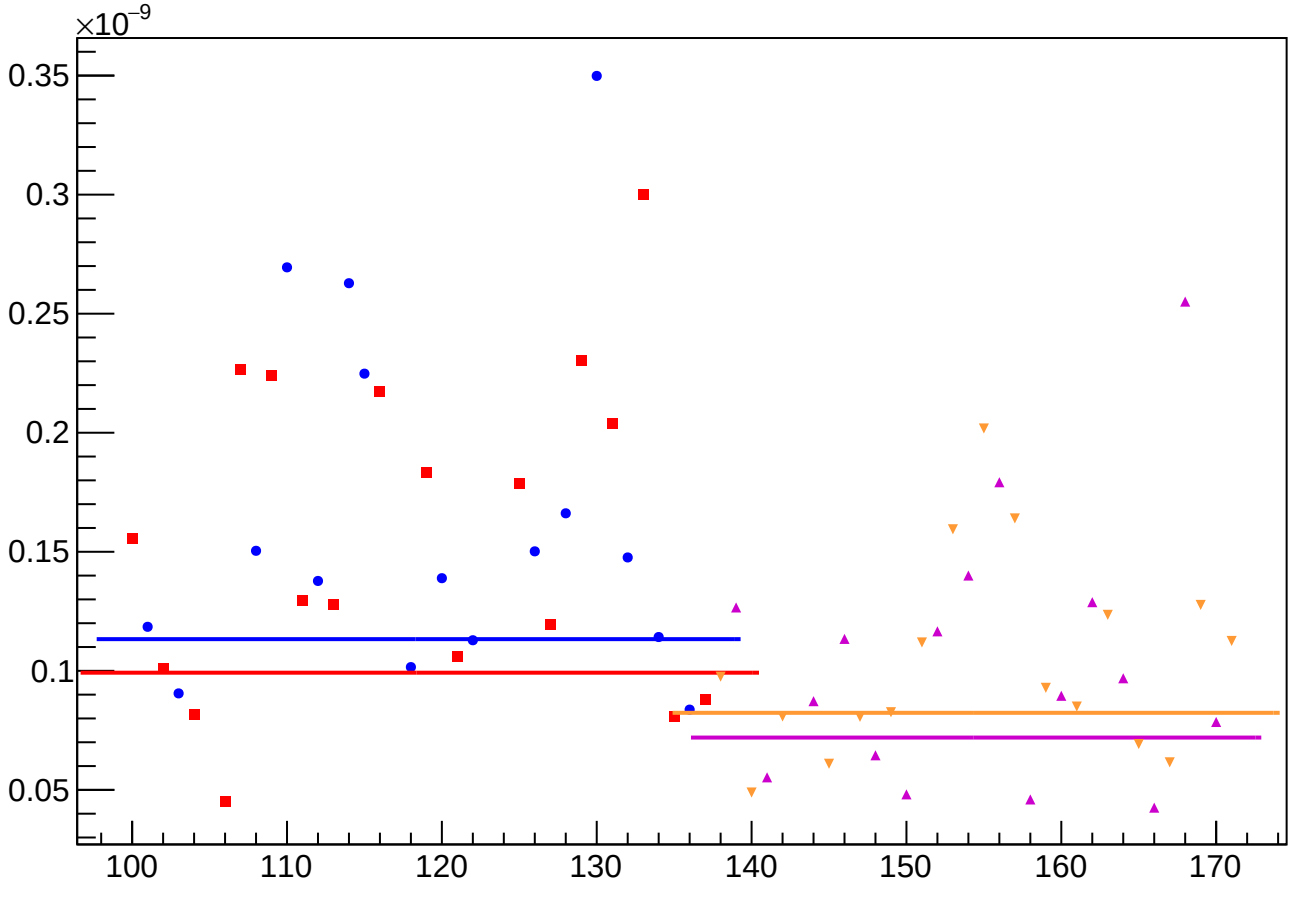
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: 0.000+/-0.000 χ^2/NDF:19.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/32

All: 0.000+/-0.000 χ^2/NDF: 84.7/66

- sign 0.000+/-0.000 χ^2/NDF: 50.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1329555.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

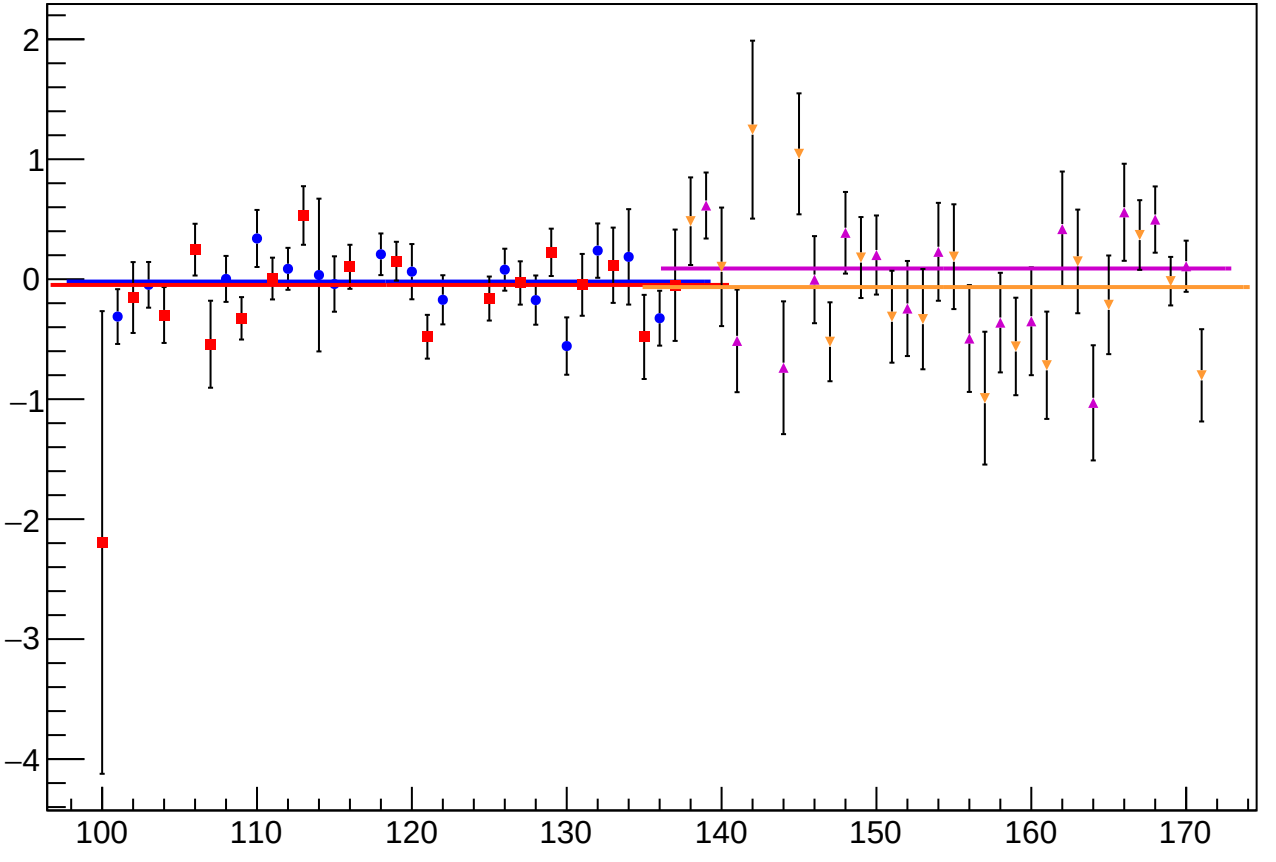
Left In: 0.000+/-0.000 χ^2/NDF:1864810.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 2285354.1/32

All: 0.000+/-0.000 χ^2/NDF: 5637142.3/66

- sign 0.000+/-0.000 χ^2/NDF: 3232237.7/33

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: -0.066+/-0.091 χ^2/NDF:26.7/16

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

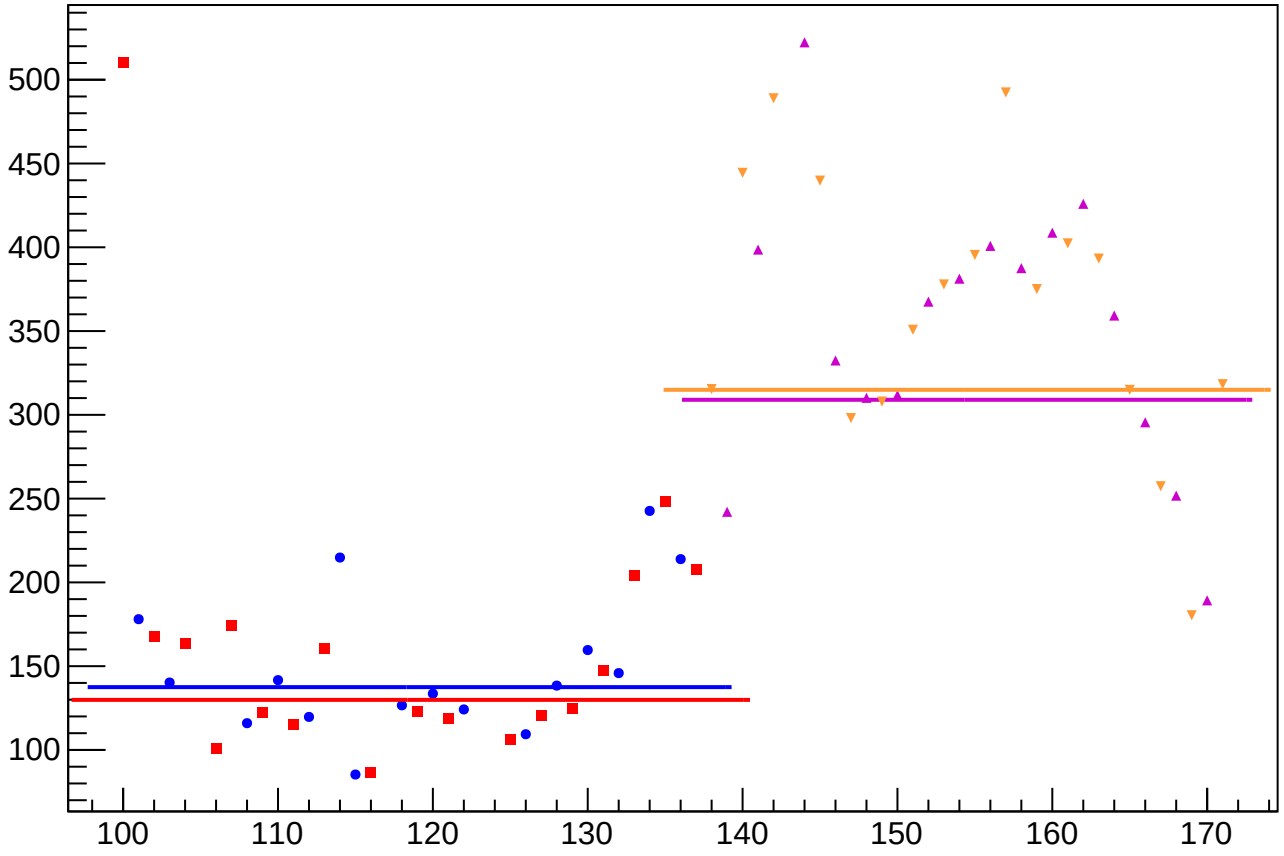
Left In: 0.089+/-0.089 χ^2/NDF:22.9/15

+ sign -0.032+/-0.047 χ^2/NDF: 42.9/32

All: -0.022+/-0.032 χ^2/NDF: 94.0/66

- sign -0.013+/-0.045 χ^2/NDF: 51.0/33

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.940+/-0.064 χ^2/NDF:1862263.3/16

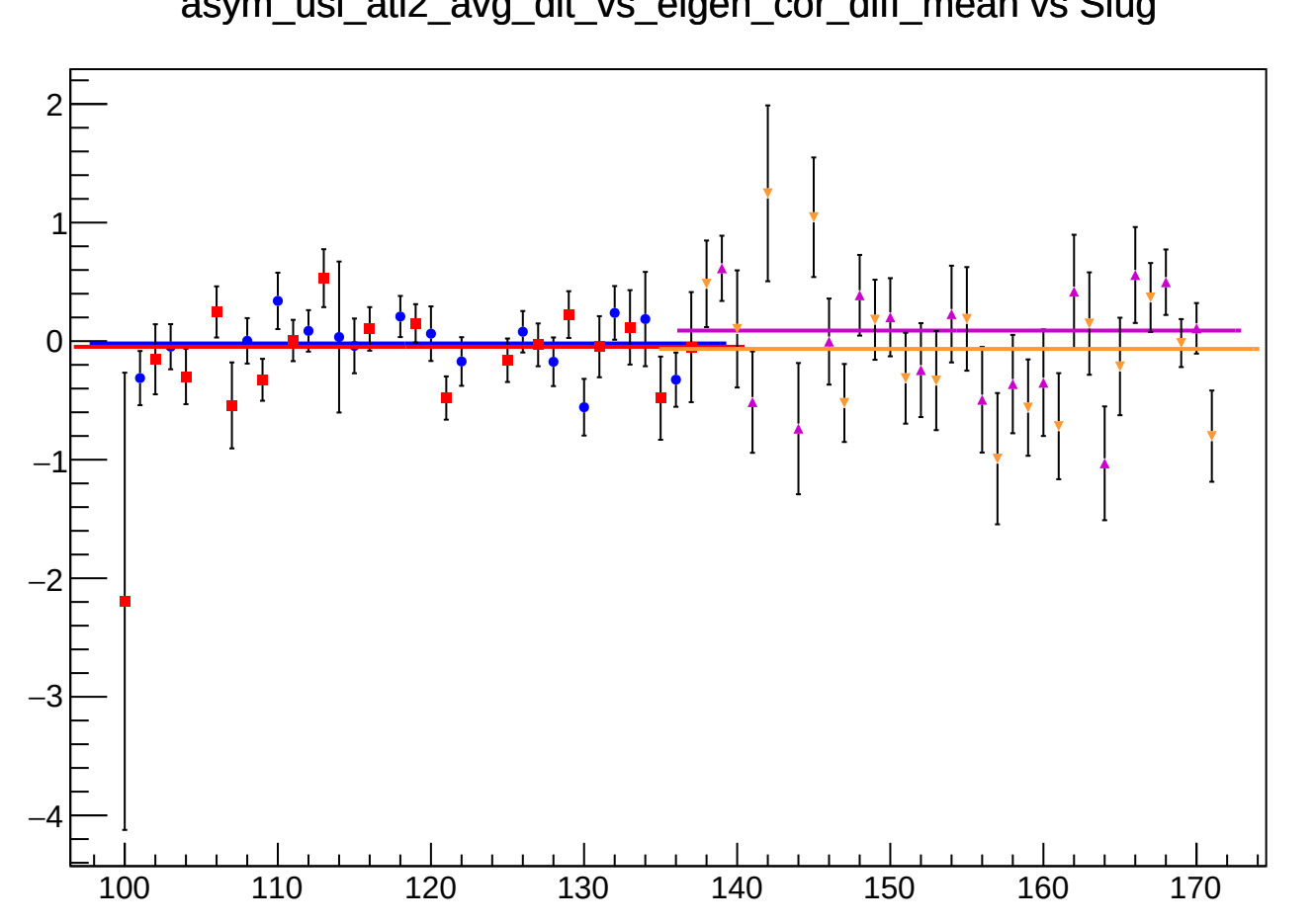
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 308.986+/-0.063 χ^2/NDF:1732611.5/15

+ sign 184.258+/-0.033 χ^2/NDF: 8203711.8/32

All: 179.960+/-0.023 χ^2/NDF: 16783537.9/66

- sign 175.892+/-0.032 χ^2/NDF: 8546591.2/33



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.066+/-0.091 χ^2/NDF:26.7/16

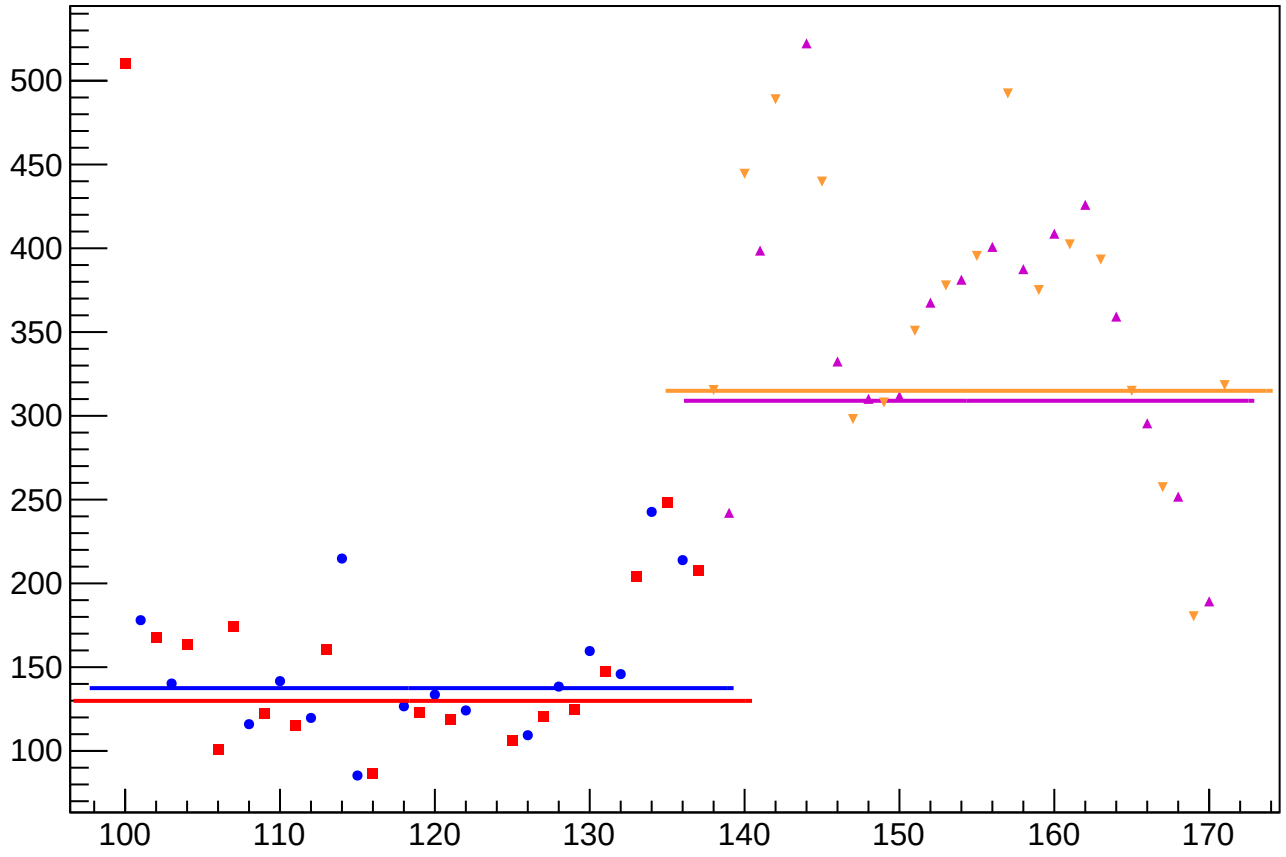
Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.089+/-0.089 χ^2/NDF:22.9/15

+ sign -0.032+/-0.047 χ^2/NDF: 42.9/32

All: -0.022+/-0.032 χ^2/NDF: 94.0/66

- sign -0.013+/-0.045 χ^2/NDF: 51.0/33



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.940+/-0.064 χ^2/NDF:1862263.3/16

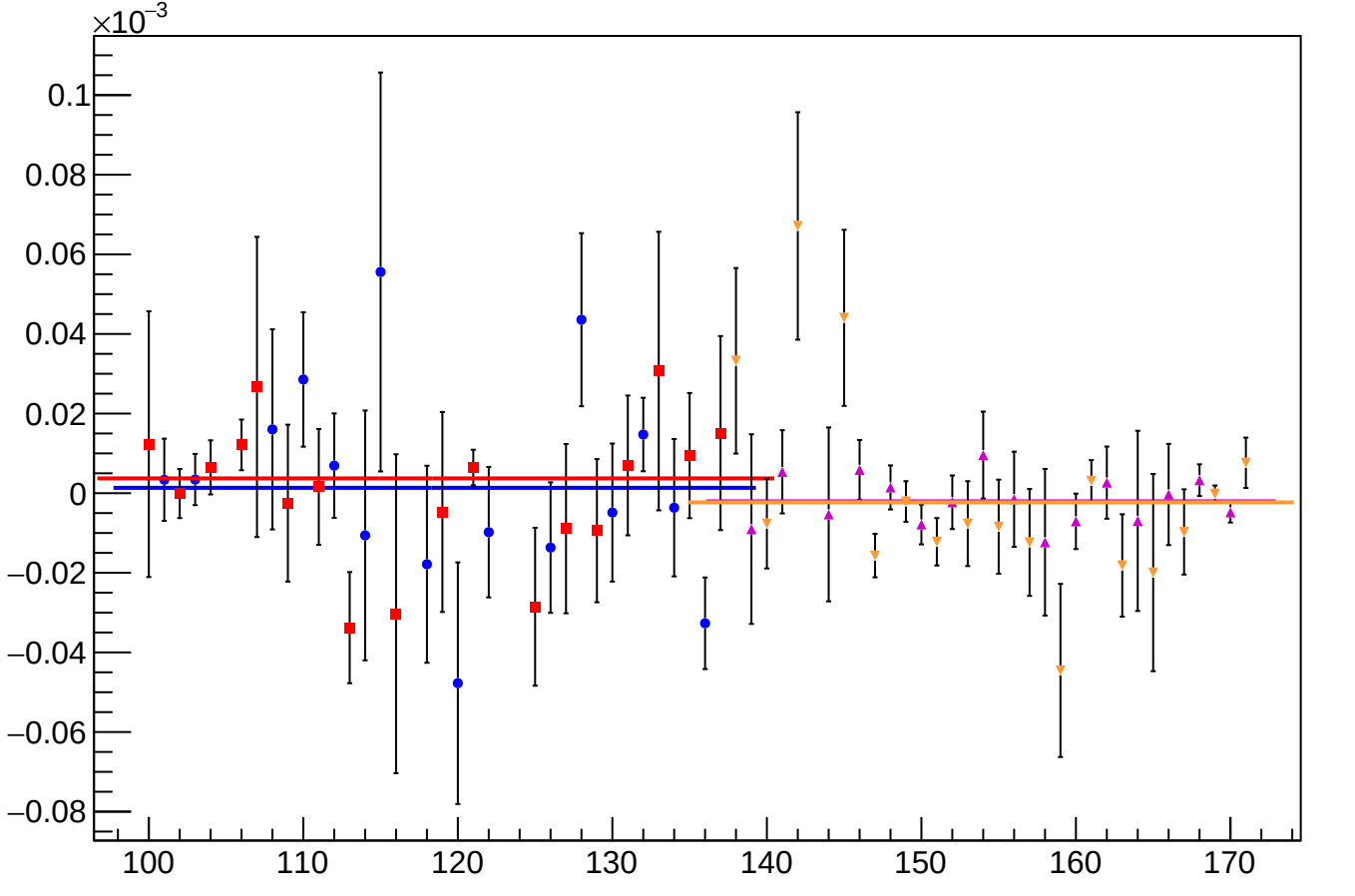
Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 308.986+/-0.063 χ^2/NDF:1732611.5/15

+ sign 184.258+/-0.033 χ^2/NDF: 8203711.8/32

All: 179.960+/-0.023 χ^2/NDF: 16783537.9/66

- sign 175.892+/-0.032 χ^2/NDF: 8546591.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.6/16

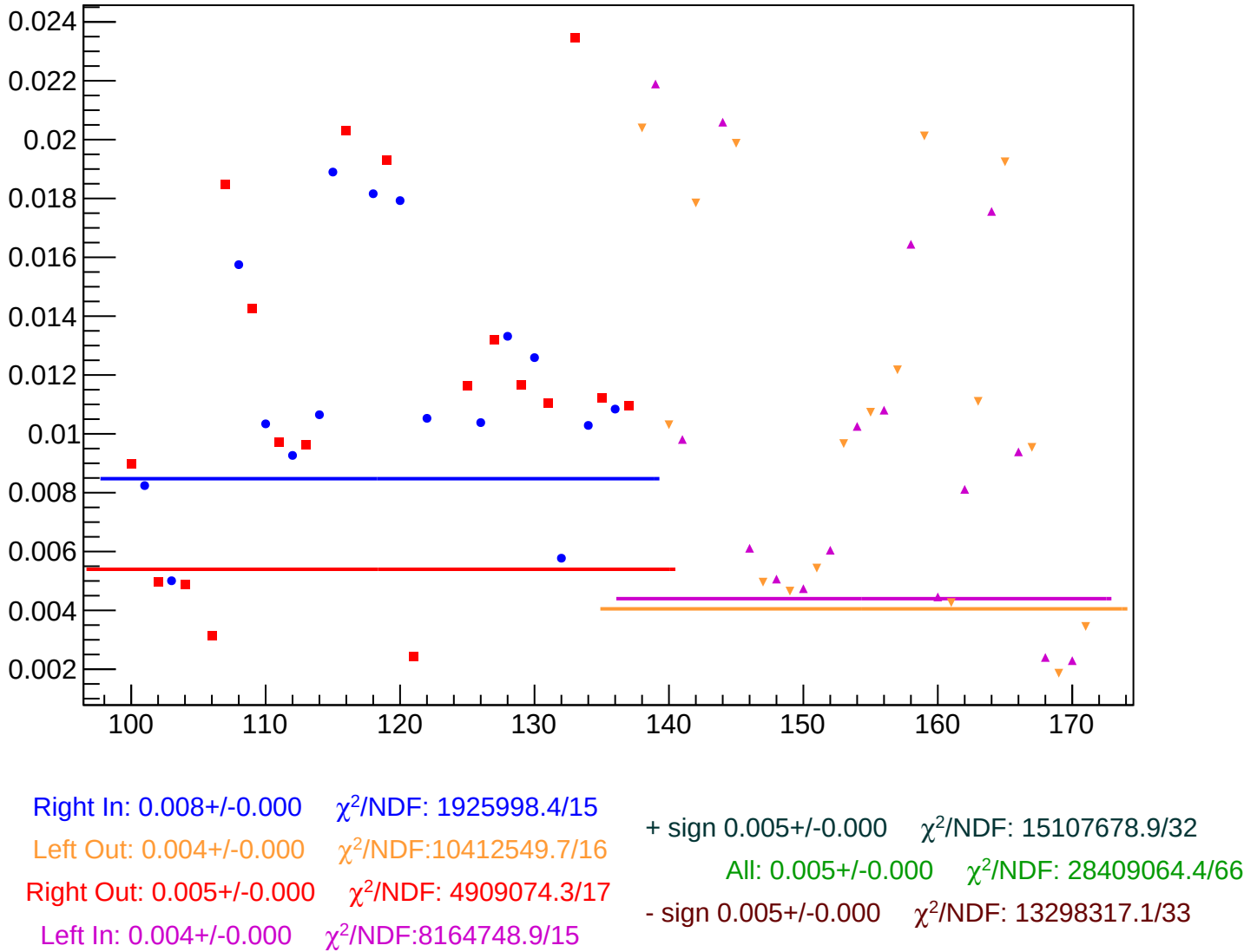
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

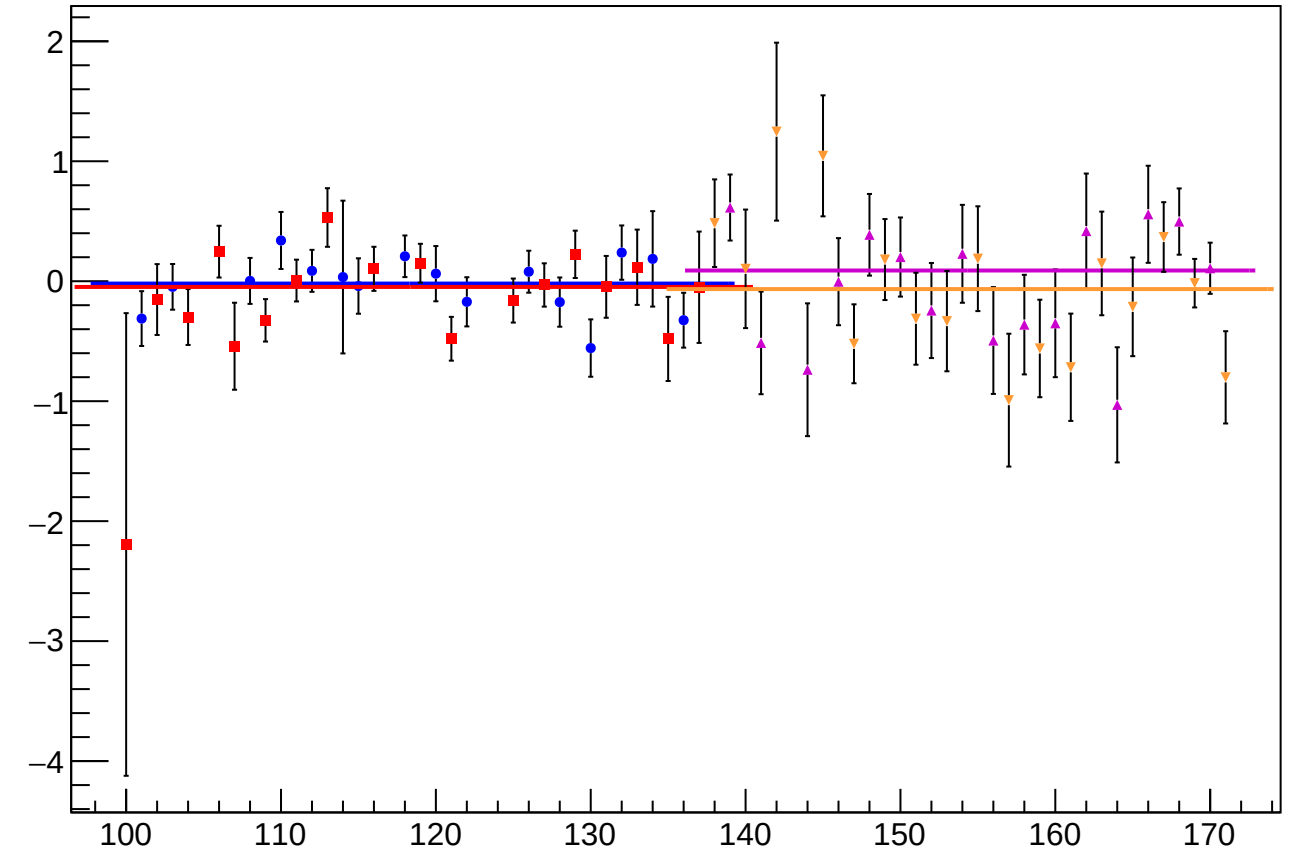
Left In: -0.000+/-0.000 χ^2/NDF:8.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/32

All: -0.000+/-0.000 χ^2/NDF: 87.2/66

- sign -0.000+/-0.000 χ^2/NDF: 28.2/33


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
170
Right In: 0.008+/-0.000 χ²/NDF: 1925998.4/15
Left Out: 0.004+/-0.000 χ²/NDF:10412549.7/16
Right Out: 0.005+/-0.000 χ²/NDF: 4909074.3/17
Left In: 0.004+/-0.000 χ²/NDF:8164748.9/15
+ sign 0.005+/-0.000 χ²/NDF: 15107678.9/32
All: 0.005+/-0.000 χ²/NDF: 28409064.4/66
- sign 0.005+/-0.000 χ²/NDF: 13298317.1/33



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.066+/-0.091 χ^2/NDF:26.7/16

Right Out: -0.048+/-0.052 χ^2/NDF: 26.3/17

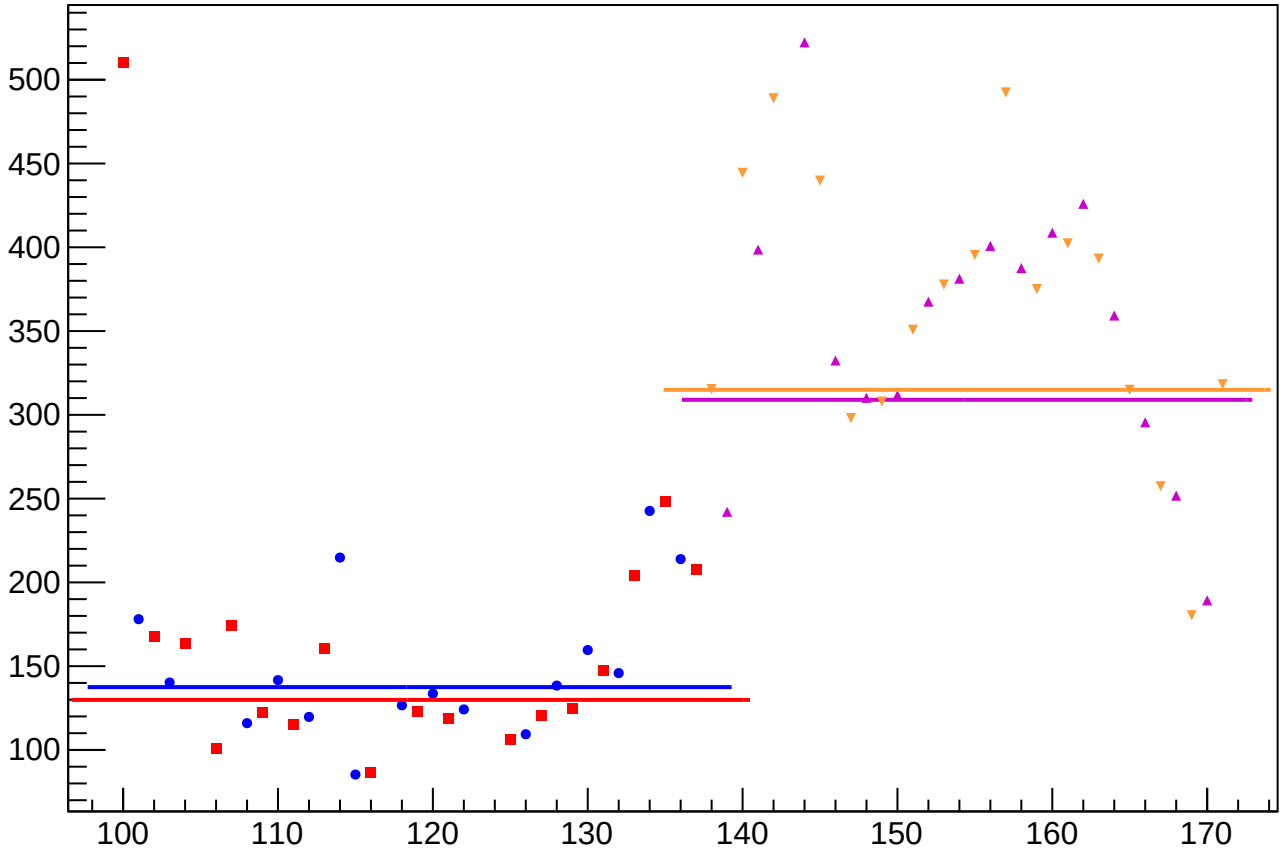
Left In: 0.089+/-0.089 χ^2/NDF:22.9/15

+ sign -0.032+/-0.047 χ^2/NDF: 42.9/32

All: -0.022+/-0.032 χ^2/NDF: 94.0/66

- sign -0.013+/-0.045 χ^2/NDF: 51.0/33

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 314.943+/-0.064 χ^2/NDF:1862345.2/16

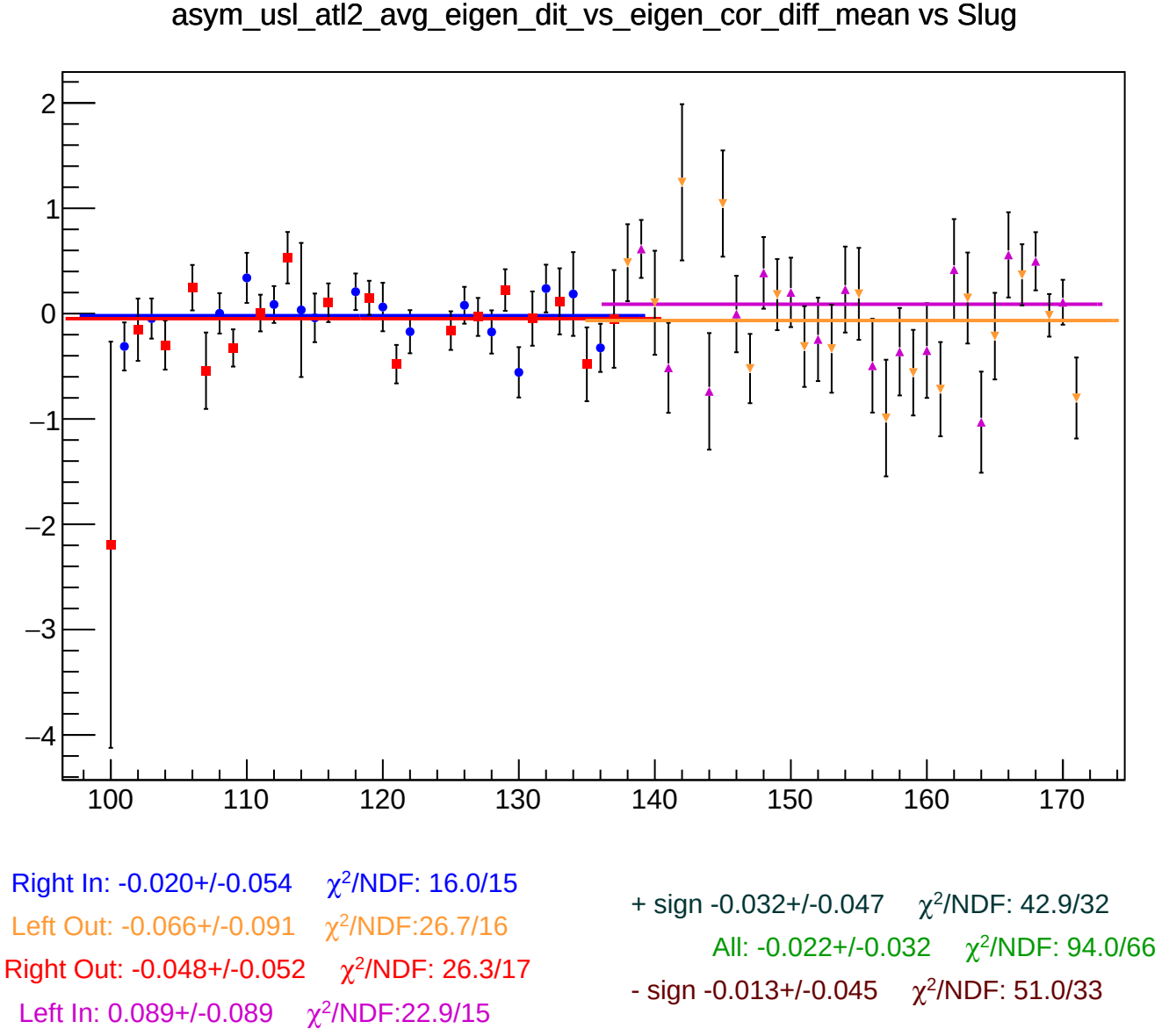
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

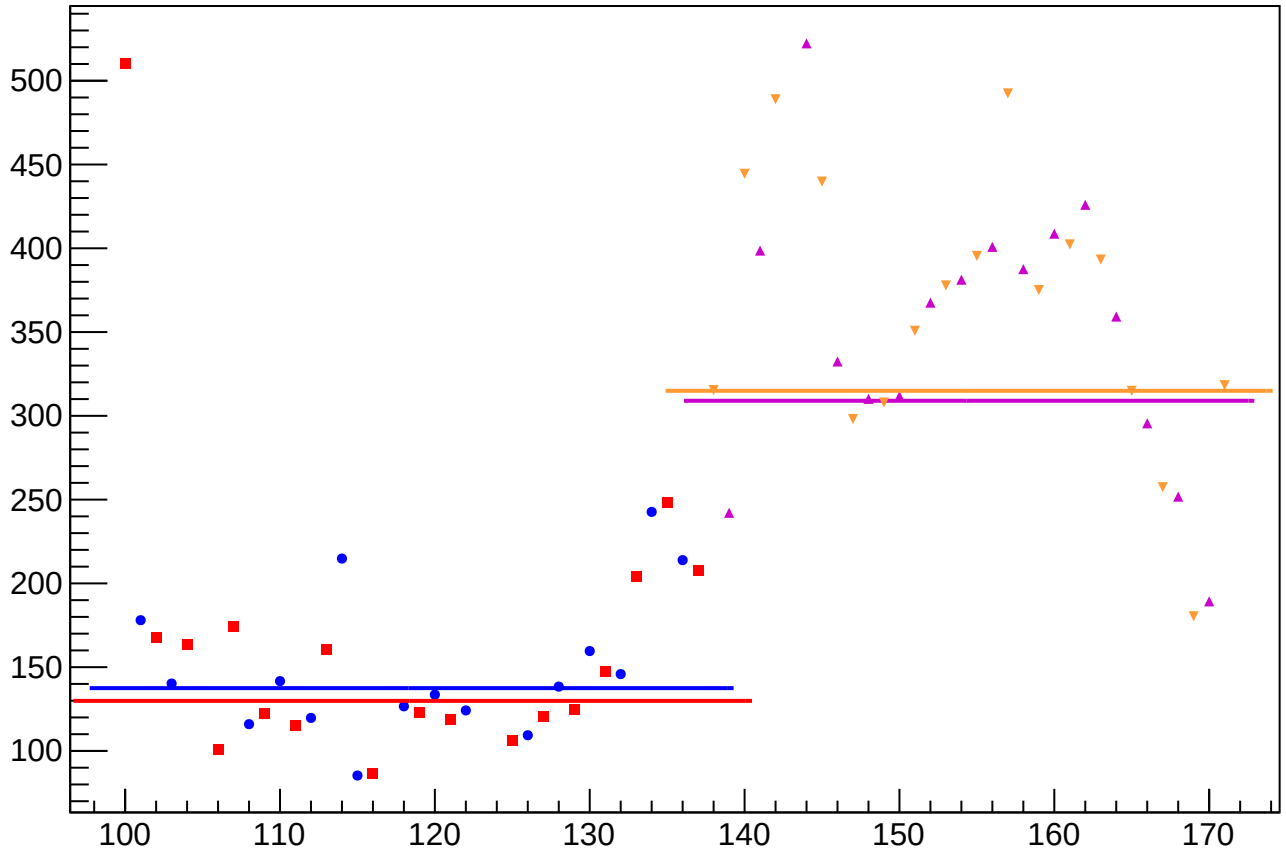
Left In: 308.990+/-0.063 χ^2/NDF:1732641.4/15

+ sign 184.258+/-0.033 χ^2/NDF: 8203872.4/32

All: 179.960+/-0.023 χ^2/NDF: 16783823.8/66

- sign 175.892+/-0.032 χ^2/NDF: 8546717.4/33


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.066+/-0.091 χ²/NDF:26.7/16
Right Out: -0.048+/-0.052 χ²/NDF: 26.3/17
Left In: 0.089+/-0.089 χ²/NDF:22.9/15
+ sign -0.032+/-0.047 χ²/NDF: 42.9/32
All: -0.022+/-0.032 χ²/NDF: 94.0/66
- sign -0.013+/-0.045 χ²/NDF: 51.0/33



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 314.943+/-0.064 χ^2/NDF:1862345.2/16

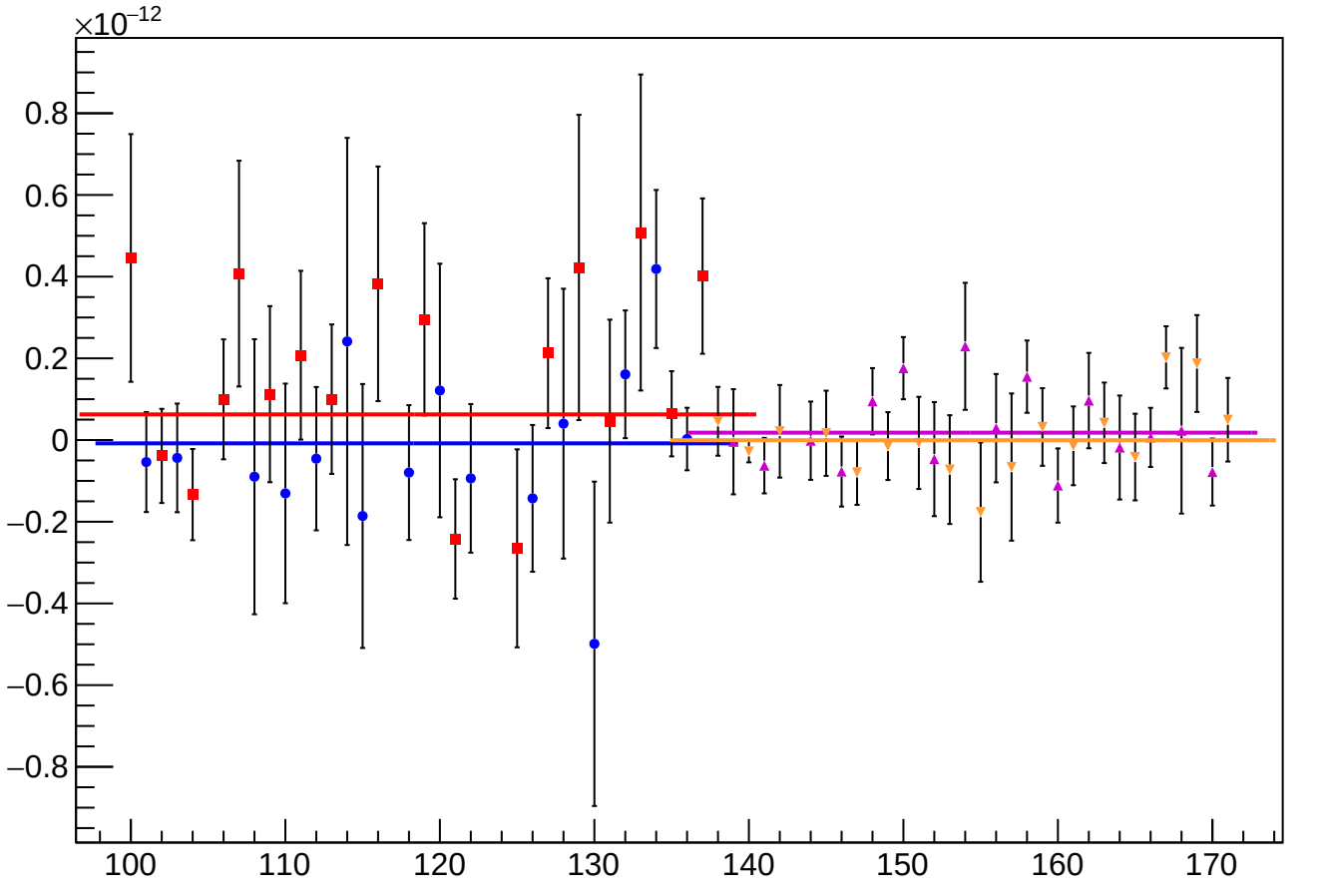
Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 308.990+/-0.063 χ^2/NDF:1732641.4/15

+ sign 184.258+/-0.033 χ^2/NDF: 8203872.4/32

All: 179.960+/-0.023 χ^2/NDF: 16783823.8/66

- sign 175.892+/-0.032 χ^2/NDF: 8546717.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/16

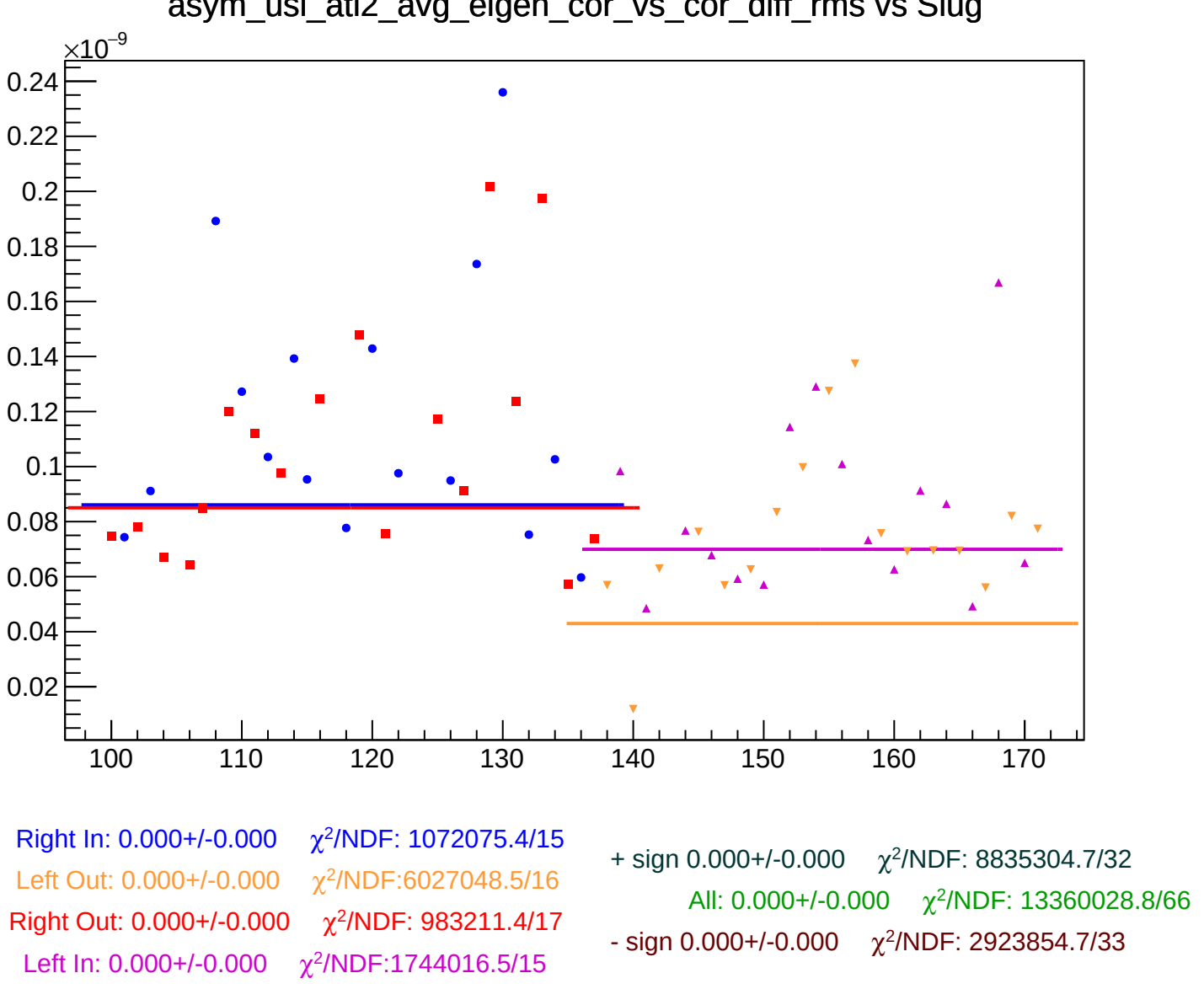
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

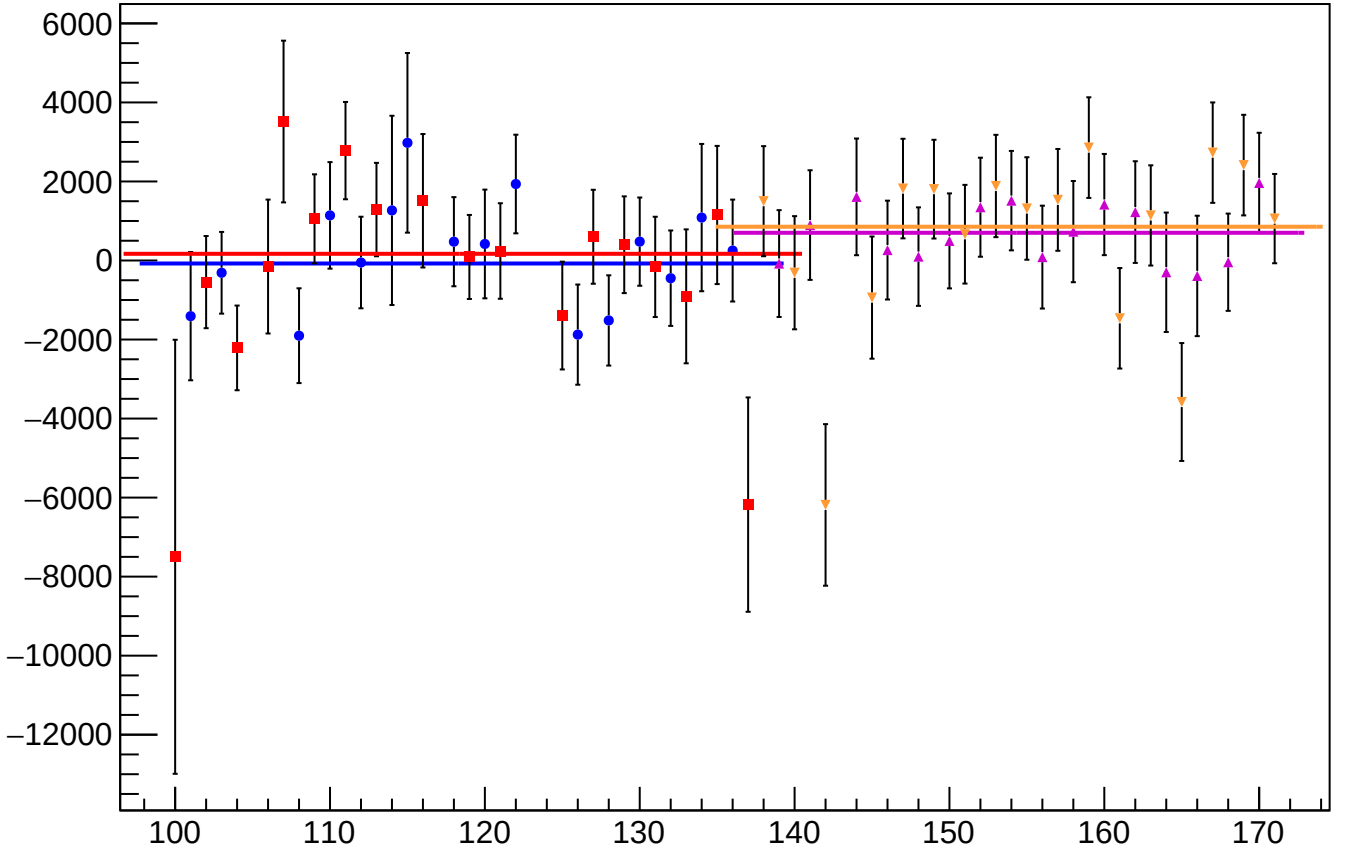
+ sign -0.000+/-0.000 χ^2/NDF: 24.1/32

All: 0.000+/-0.000 χ^2/NDF: 64.9/66

- sign 0.000+/-0.000 χ^2/NDF: 39.4/33


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1072075.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6027048.5/16
Right Out: 0.000+/-0.000 χ²/NDF: 983211.4/17
Left In: 0.000+/-0.000 χ²/NDF:1744016.5/15
+ sign 0.000+/-0.000 χ²/NDF: 8835304.7/32
All: 0.000+/-0.000 χ²/NDF: 13360028.8/66
- sign 0.000+/-0.000 χ²/NDF: 2923854.7/33

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 854.366+/-321.203 χ^2/NDF:34.7/16

Right Out: 169.345+/-321.827 χ^2/NDF: 24.4/17

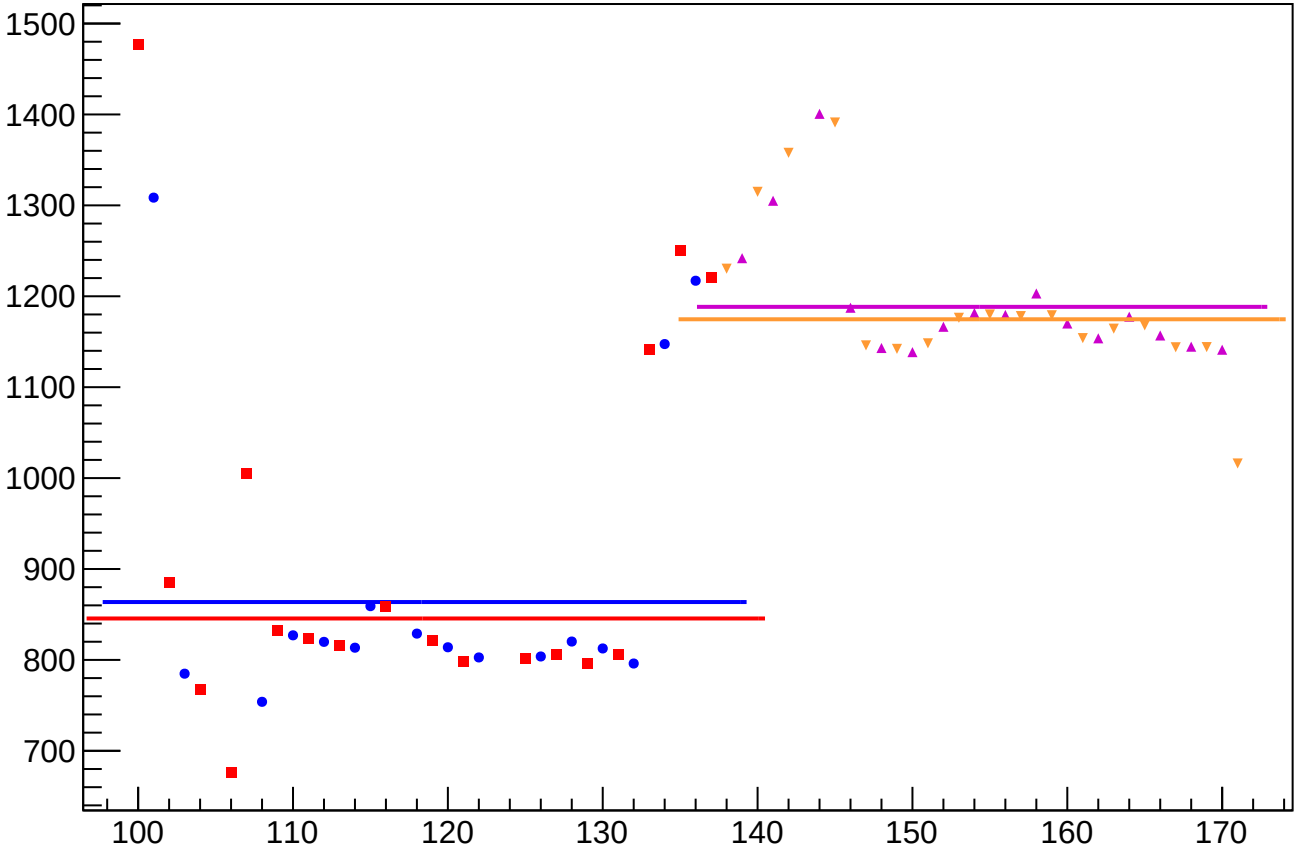
Left In: 701.186+/-327.327 χ^2/NDF:4.8/15

+ sign 396.429+/-228.880 χ^2/NDF: 52.2/32

All: 413.549+/-162.056 χ^2/NDF: 82.7/66

- sign 430.760+/-229.486 χ^2/NDF: 30.5/33

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

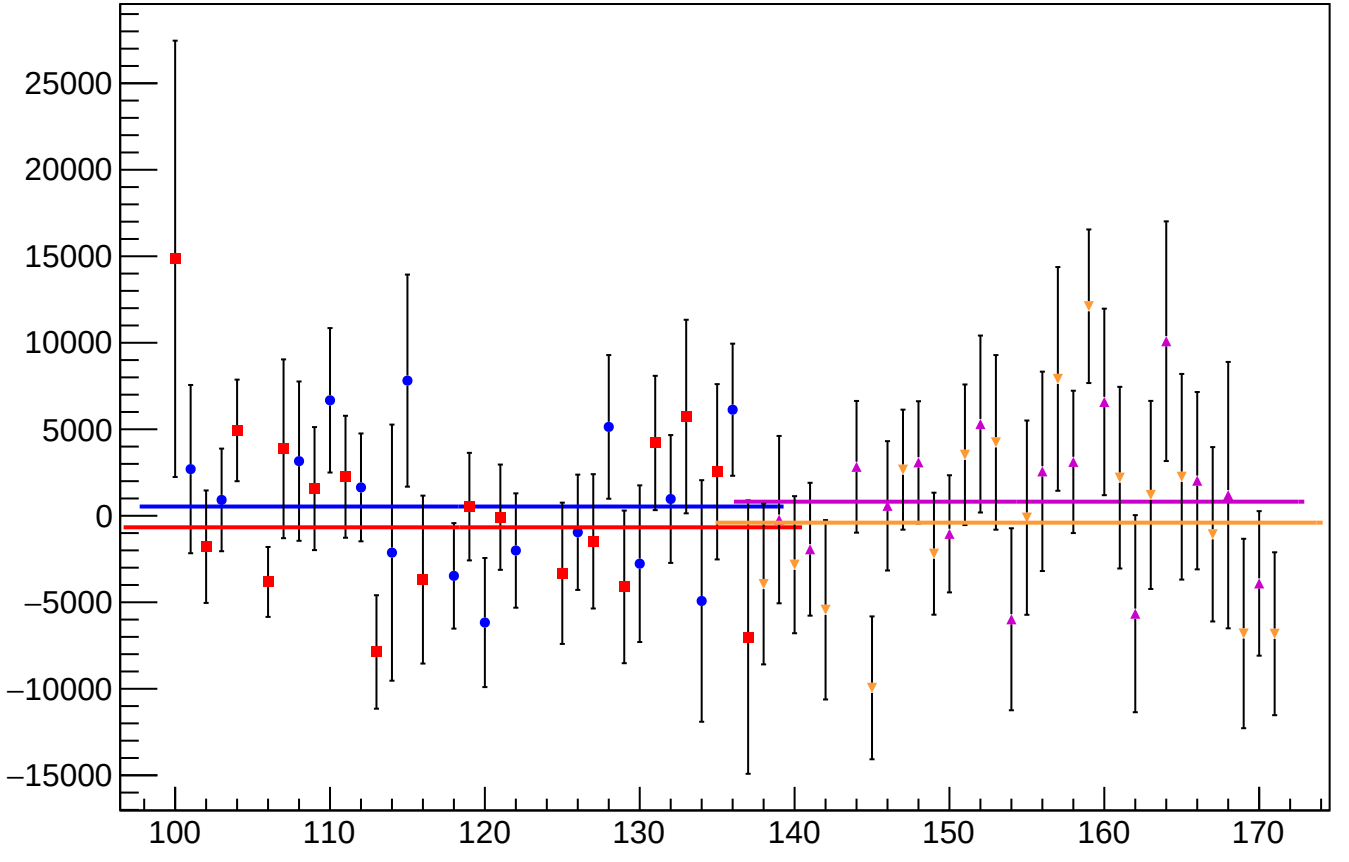
Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

+ sign 1021.593+/-0.162 χ^2/NDF: 1454075.2/32

All: 1016.749+/-0.114 χ^2/NDF: 2966441.6/66

- sign 1011.941+/-0.161 χ^2/NDF: 1510581.7/33

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -397.626+/-1123.712 χ^2/NDF:23.4/16

Right Out: -665.878+/-864.970 χ^2/NDF: 20.0/17

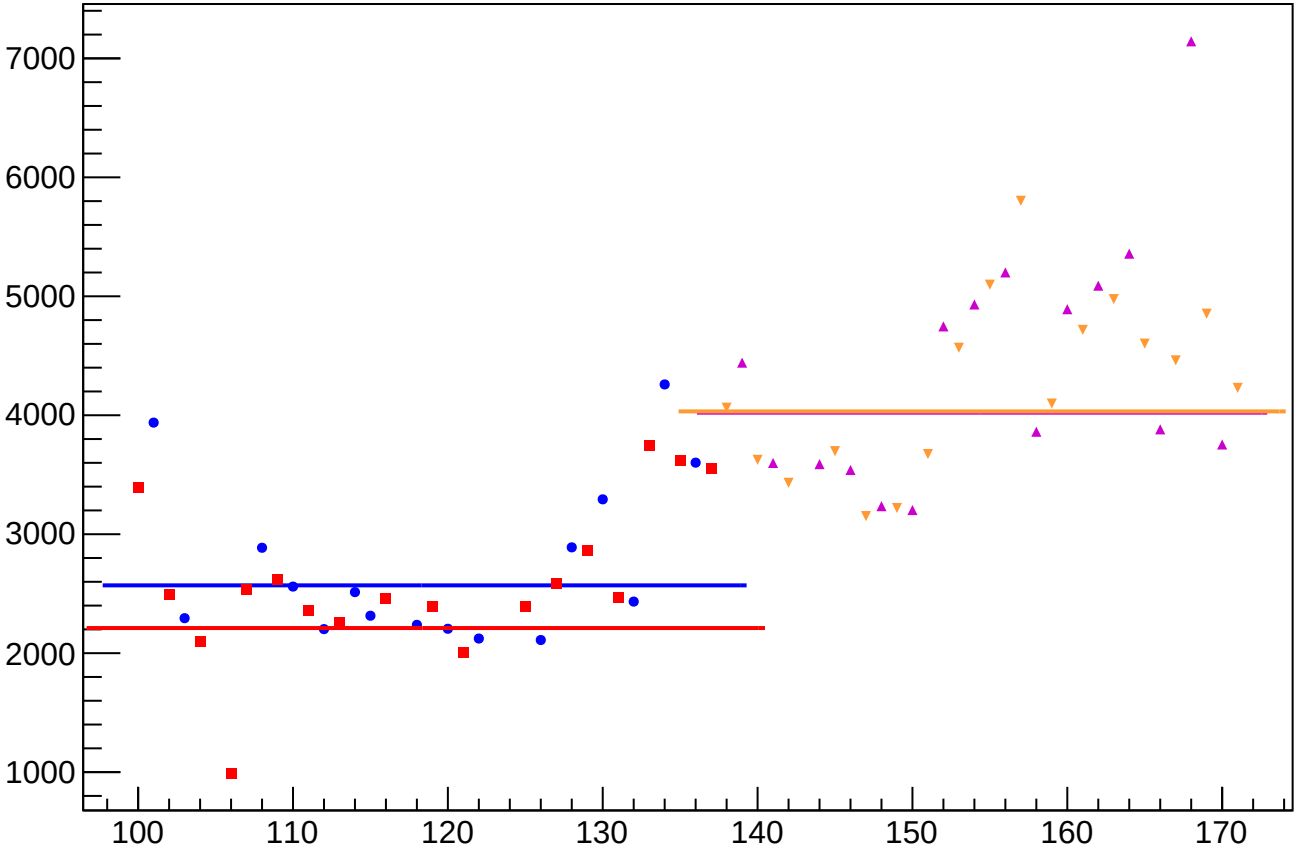
Left In: 814.893+/-1131.978 χ^2/NDF:10.0/15

+ sign 131.220+/-739.134 χ^2/NDF: 38.5/32

All: -3.512+/-503.318 χ^2/NDF: 69.6/66

- sign -120.006+/-687.289 χ^2/NDF: 31.0/33

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732150.1/16

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

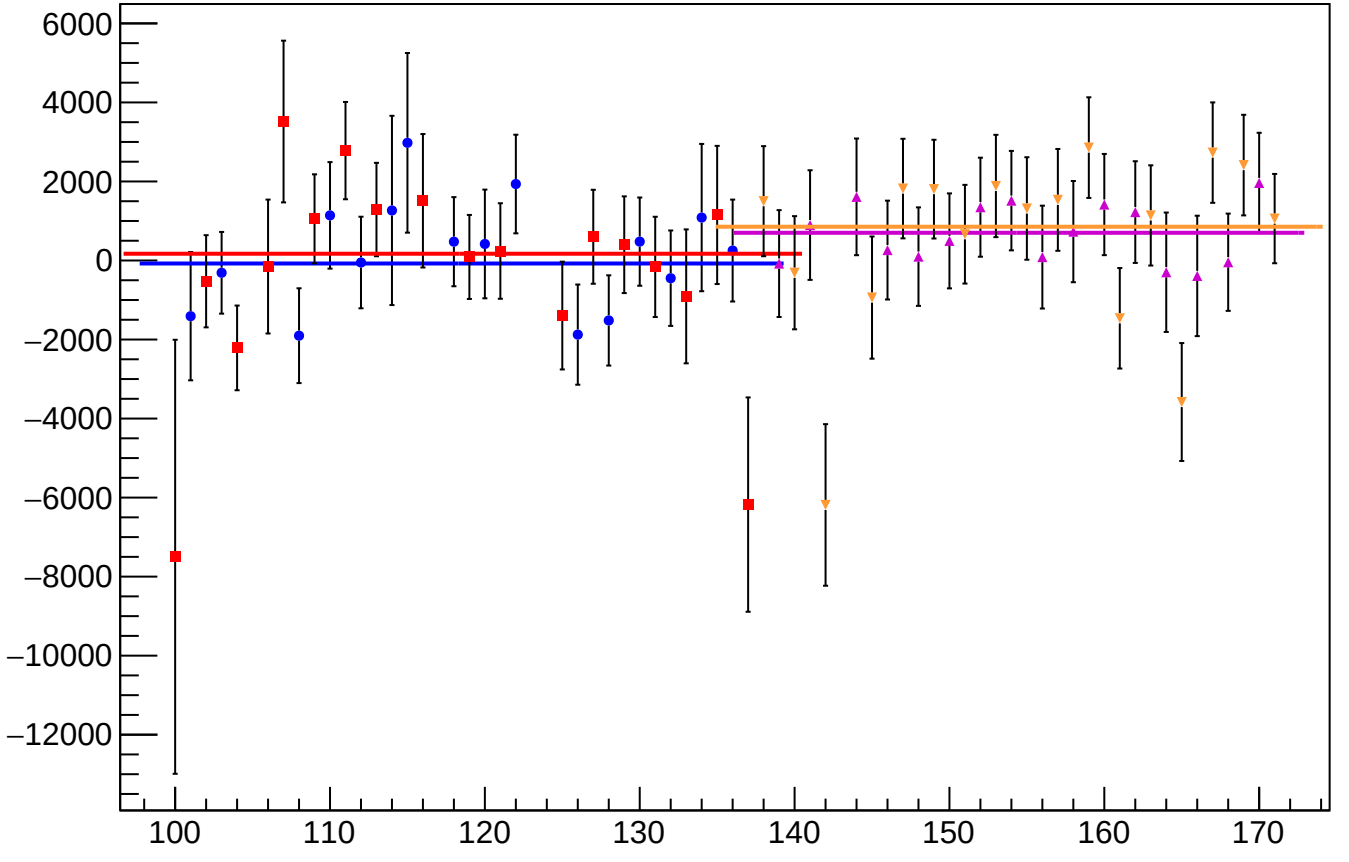
Left In: 4021.641+/-0.800 χ^2/NDF:1036387.2/15

+ sign 3202.802+/-0.523 χ^2/NDF: 3316169.5/32

All: 3028.958+/-0.356 χ^2/NDF: 9052675.8/66

- sign 2878.646+/-0.486 χ^2/NDF: 5530205.7/33

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 854.363+/-321.203 χ^2/NDF:34.7/16

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

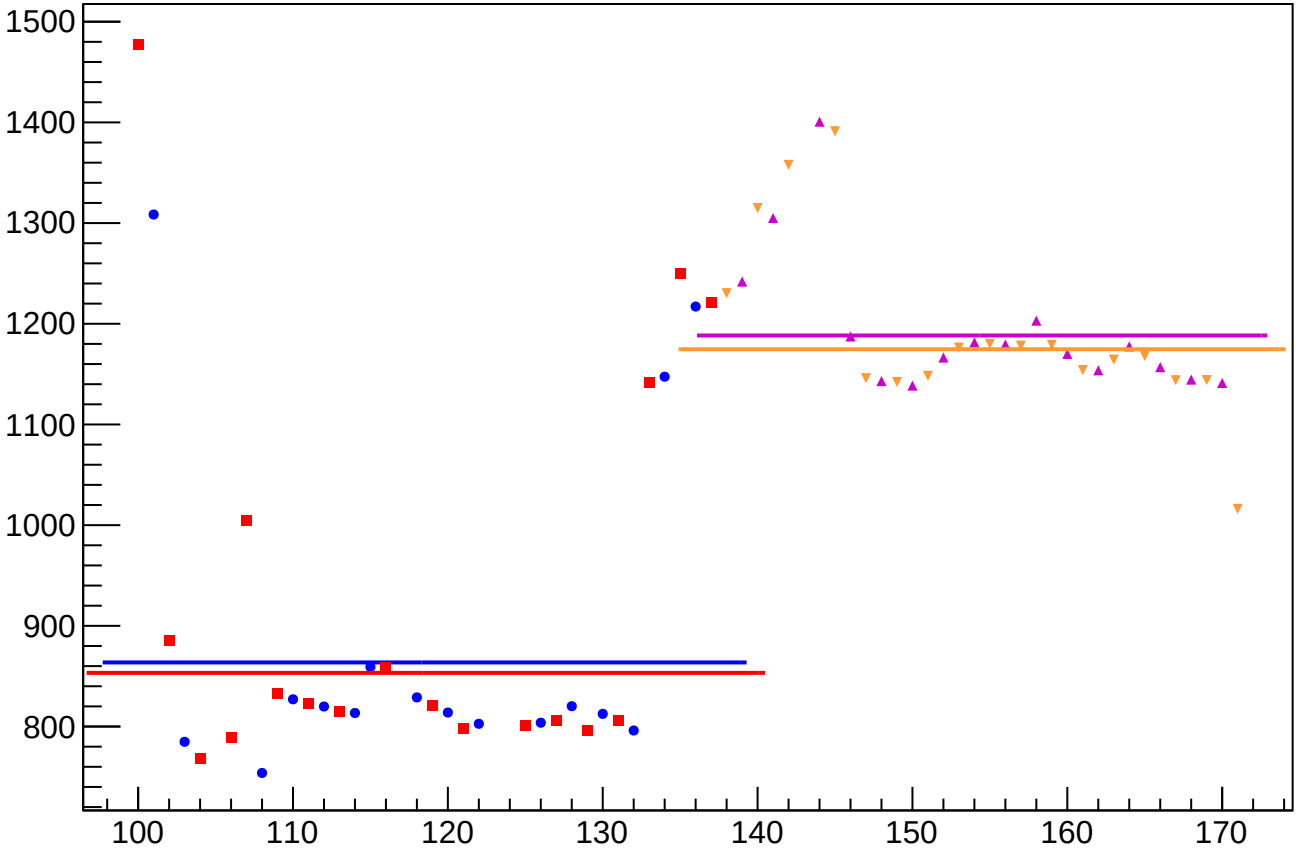
Left In: 701.185+/-327.327 χ^2/NDF:4.8/15

+ sign 396.389+/-228.880 χ^2/NDF: 52.2/32

All: 413.946+/-162.057 χ^2/NDF: 82.7/66

- sign 431.596+/-229.488 χ^2/NDF: 30.5/33

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

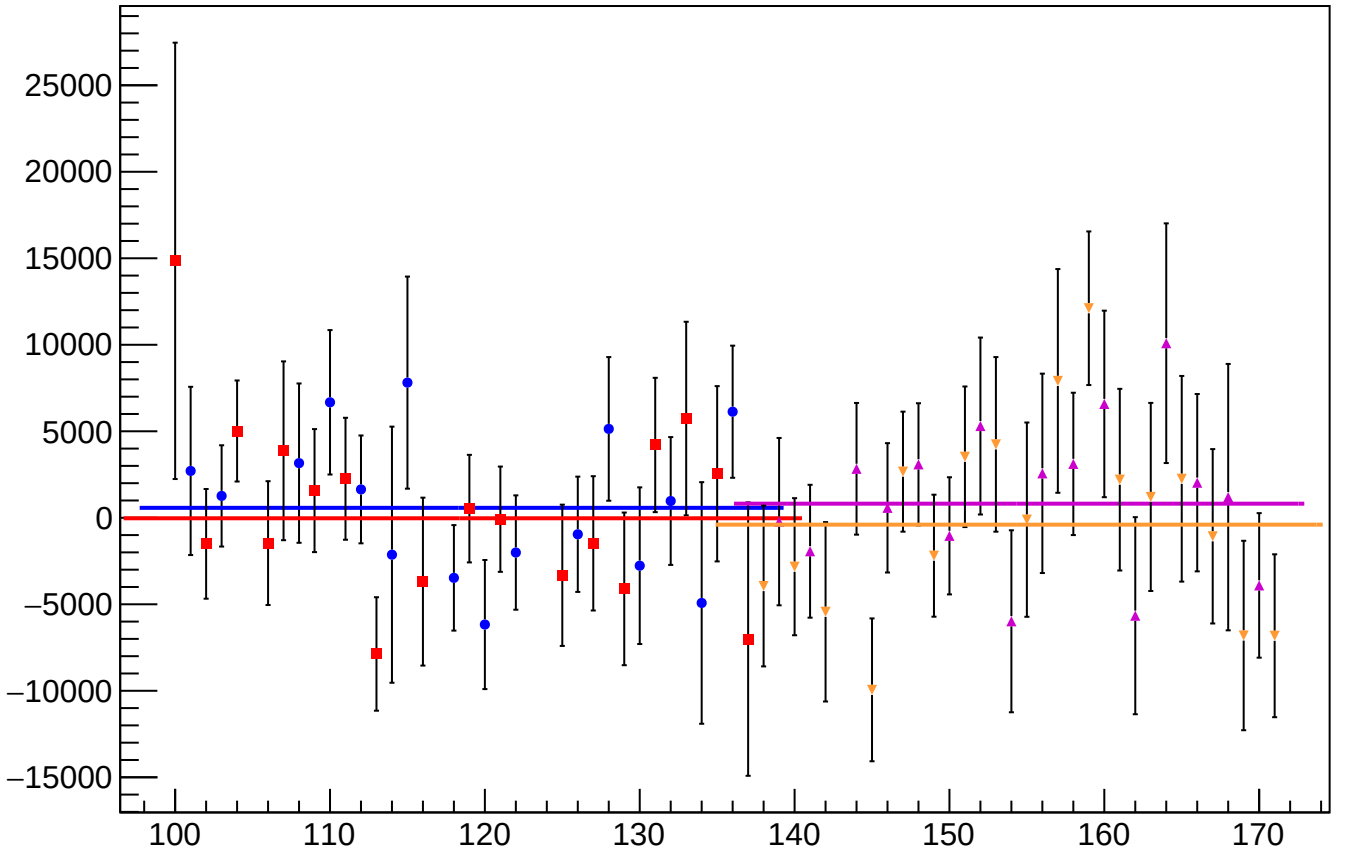
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

+ sign 1021.593+/-0.162 χ^2/NDF: 1454075.4/32

All: 1019.360+/-0.114 χ^2/NDF: 2874786.0/66

- sign 1017.128+/-0.162 χ^2/NDF: 1420330.1/33



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -397.607+/-1123.712 χ^2/NDF:23.4/16

Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

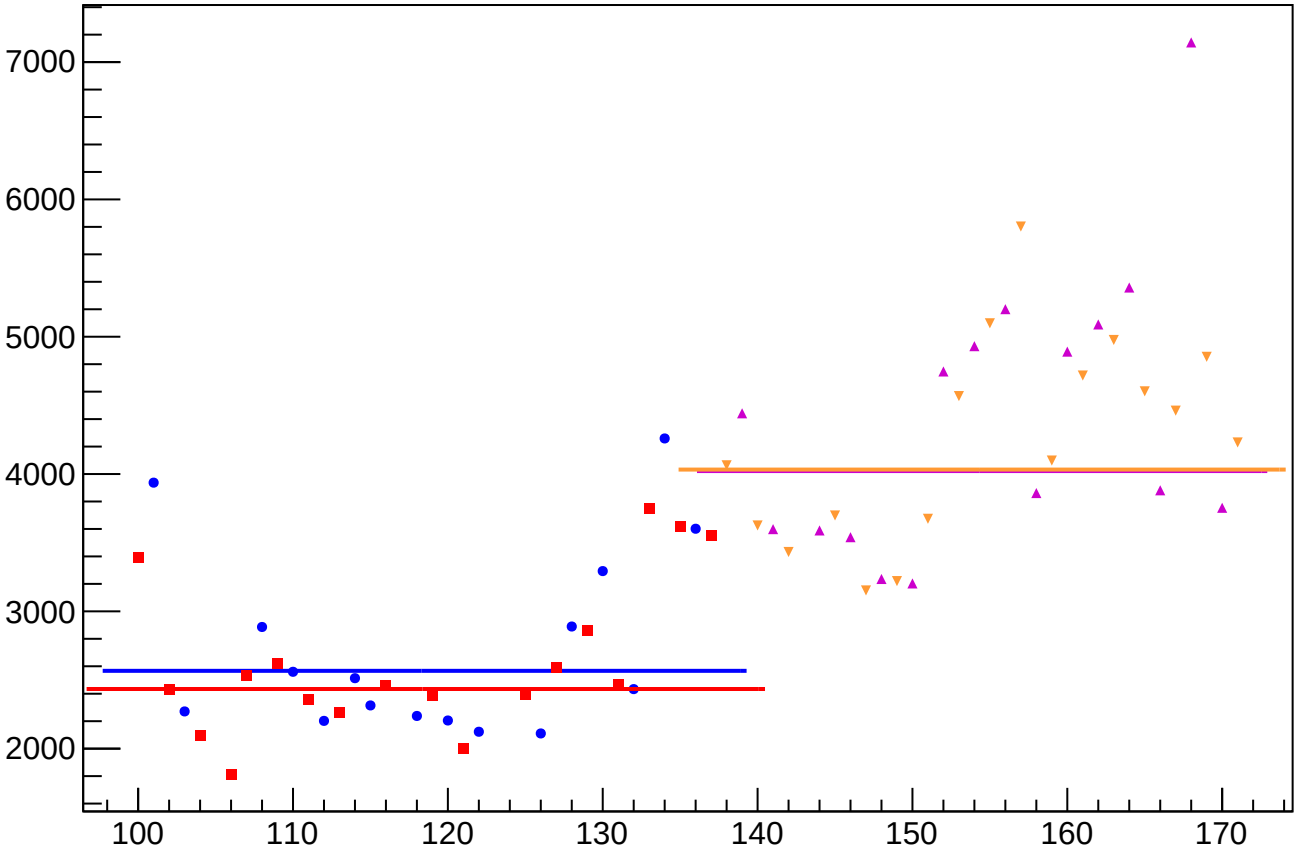
Left In: 814.934+/-1131.976 χ^2/NDF:10.0/15

\+ sign 154.880+/-738.521 χ^2/NDF: 38.6/32

All: 233.859+/-513.669 χ^2/NDF: 66.1/66

\- sign 307.873+/-714.929 χ^2/NDF: 27.5/33

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732149.9/16

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

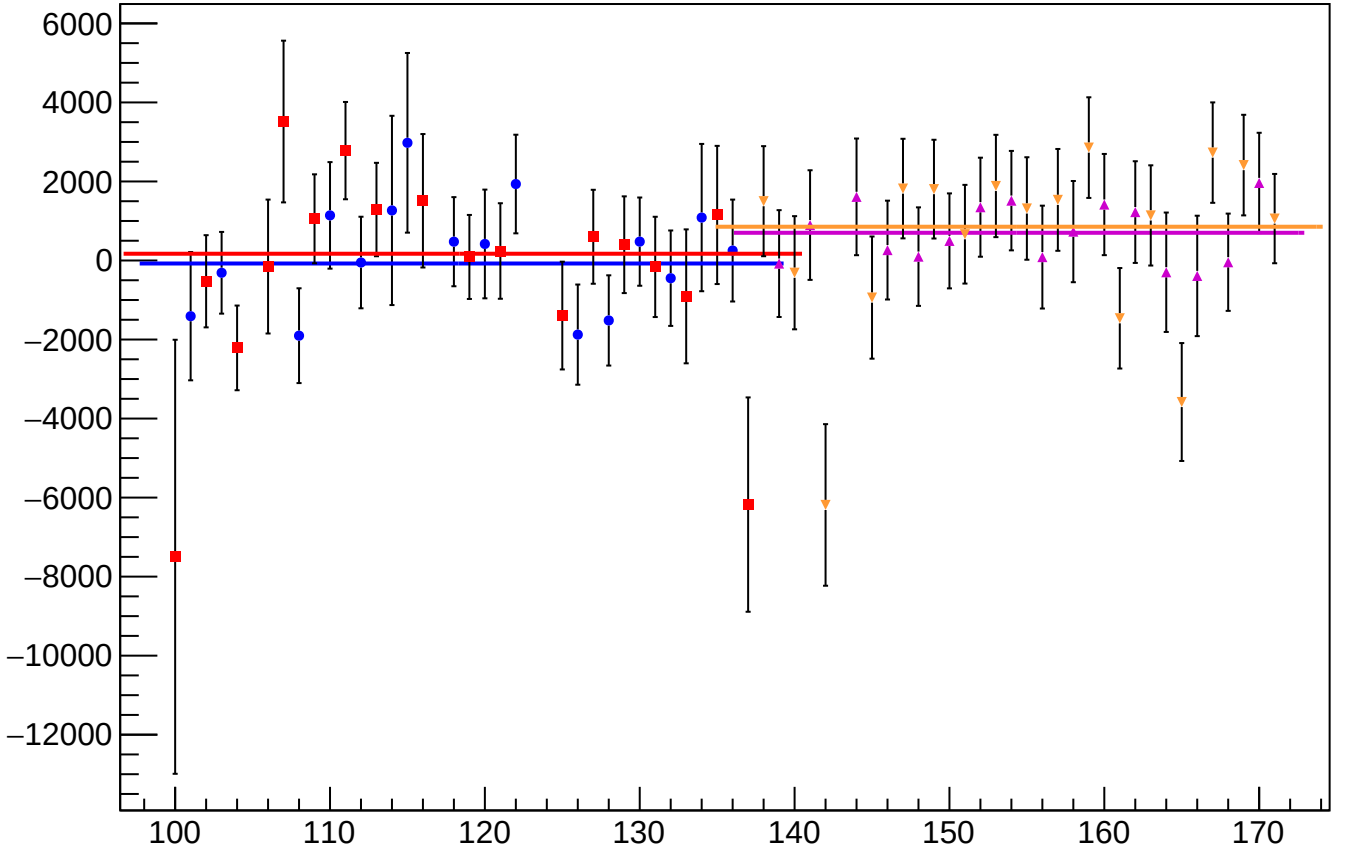
Left In: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

+ sign 3199.820+/-0.522 χ^2/NDF: 3330958.3/32

All: 3131.537+/-0.363 χ^2/NDF: 7198164.3/66

- sign 3067.547+/-0.506 χ^2/NDF: 3834086.3/33

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 854.363+/-321.203 χ^2/NDF:34.7/16

Right Out: 170.982+/-321.832 χ^2/NDF: 24.4/17

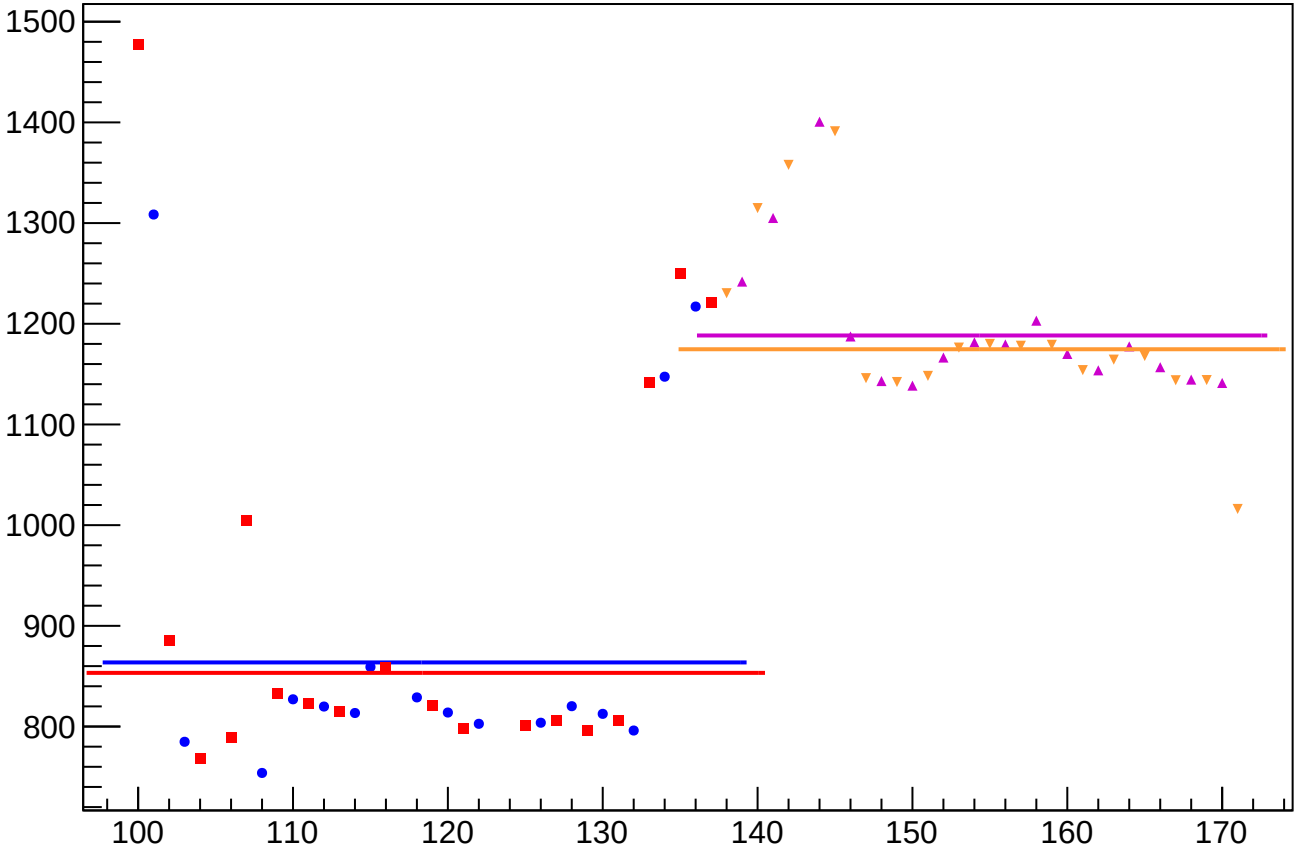
Left In: 701.185+/-327.327 χ^2/NDF:4.8/15

+ sign 396.389+/-228.880 χ^2/NDF: 52.2/32

All: 413.946+/-162.057 χ^2/NDF: 82.7/66

- sign 431.596+/-229.488 χ^2/NDF: 30.5/33

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

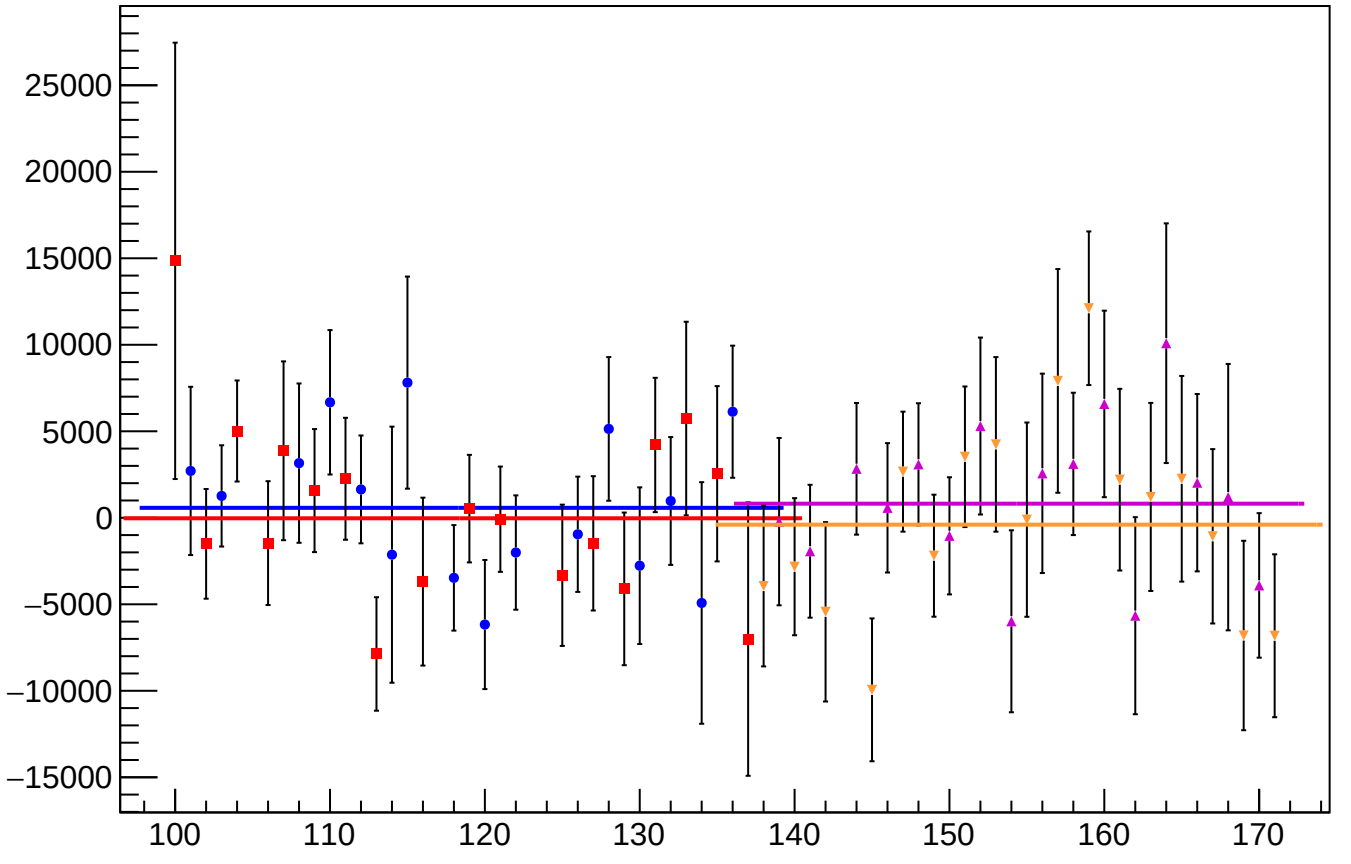
Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1188.372+/-0.231 χ^2/NDF:73860.0/15

+ sign 1021.593+/-0.162 χ^2/NDF: 1454075.4/32

All: 1019.360+/-0.114 χ^2/NDF: 2874786.0/66

- sign 1017.128+/-0.162 χ^2/NDF: 1420330.1/33



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -397.607+/-1123.712 χ^2/NDF:23.4/16

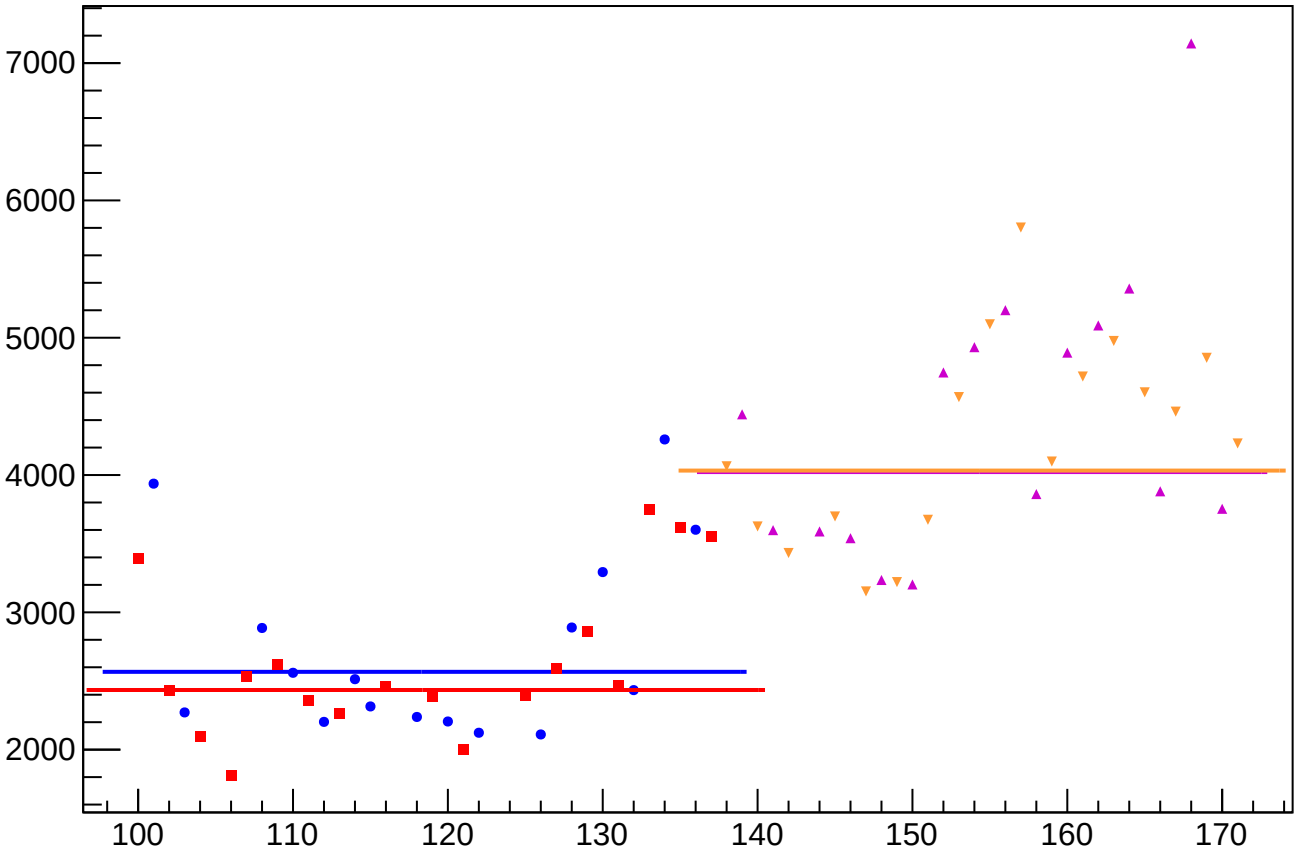
Right Out: -28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: 814.934+/-1131.976 χ^2/NDF:10.0/15

\+ sign 154.880+/-738.521 χ^2/NDF: 38.6/32

All: 233.859+/-513.669 χ^2/NDF: 66.1/66

\- sign 307.873+/-714.929 χ^2/NDF: 27.5/33



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732149.9/16

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

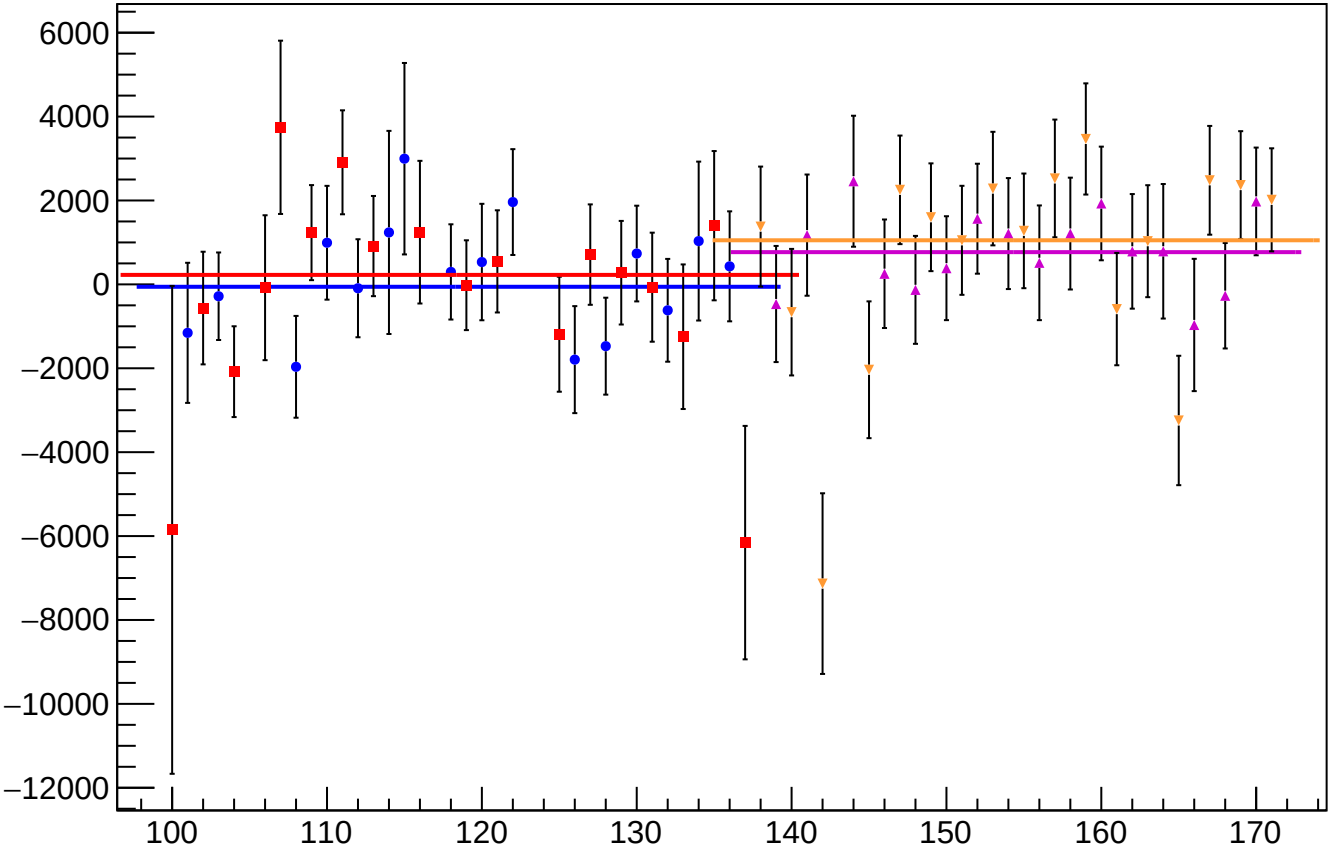
Left In: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

+ sign 3199.820+/-0.522 χ^2/NDF: 3330958.3/32

All: 3131.537+/-0.363 χ^2/NDF: 7198164.3/66

- sign 3067.547+/-0.506 χ^2/NDF: 3834086.3/33

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1051.241+/-335.634 χ^2/NDF:37.8/16

Right Out: 226.075+/-328.069 χ^2/NDF: 22.9/17

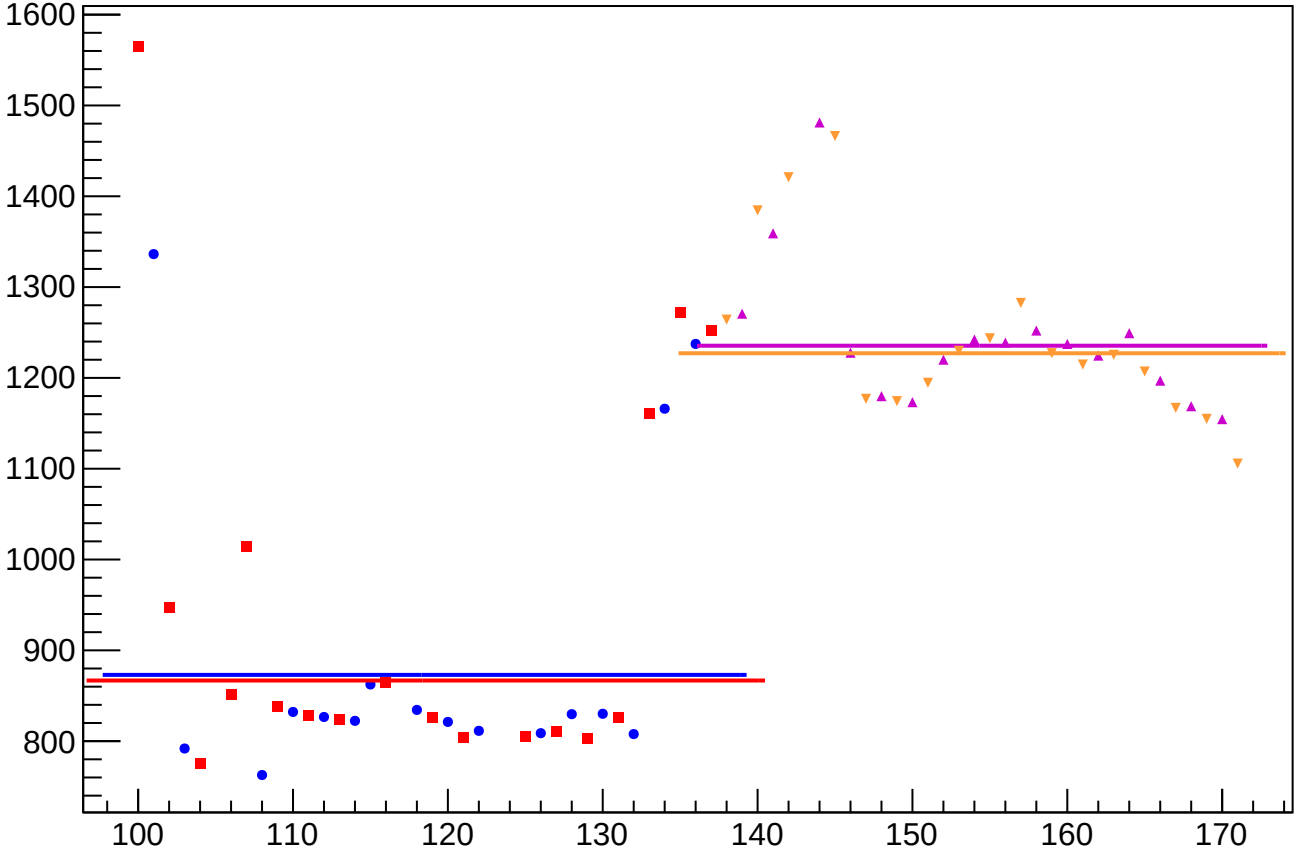
Left In: 768.427+/-340.444 χ^2/NDF:6.9/15

+ sign 487.783+/-235.344 χ^2/NDF: 56.4/32

All: 487.500+/-166.727 χ^2/NDF: 87.5/66

- sign 487.214+/-236.233 χ^2/NDF: 31.2/33

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1227.139+/-0.237 χ^2/NDF:124099.5/16

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

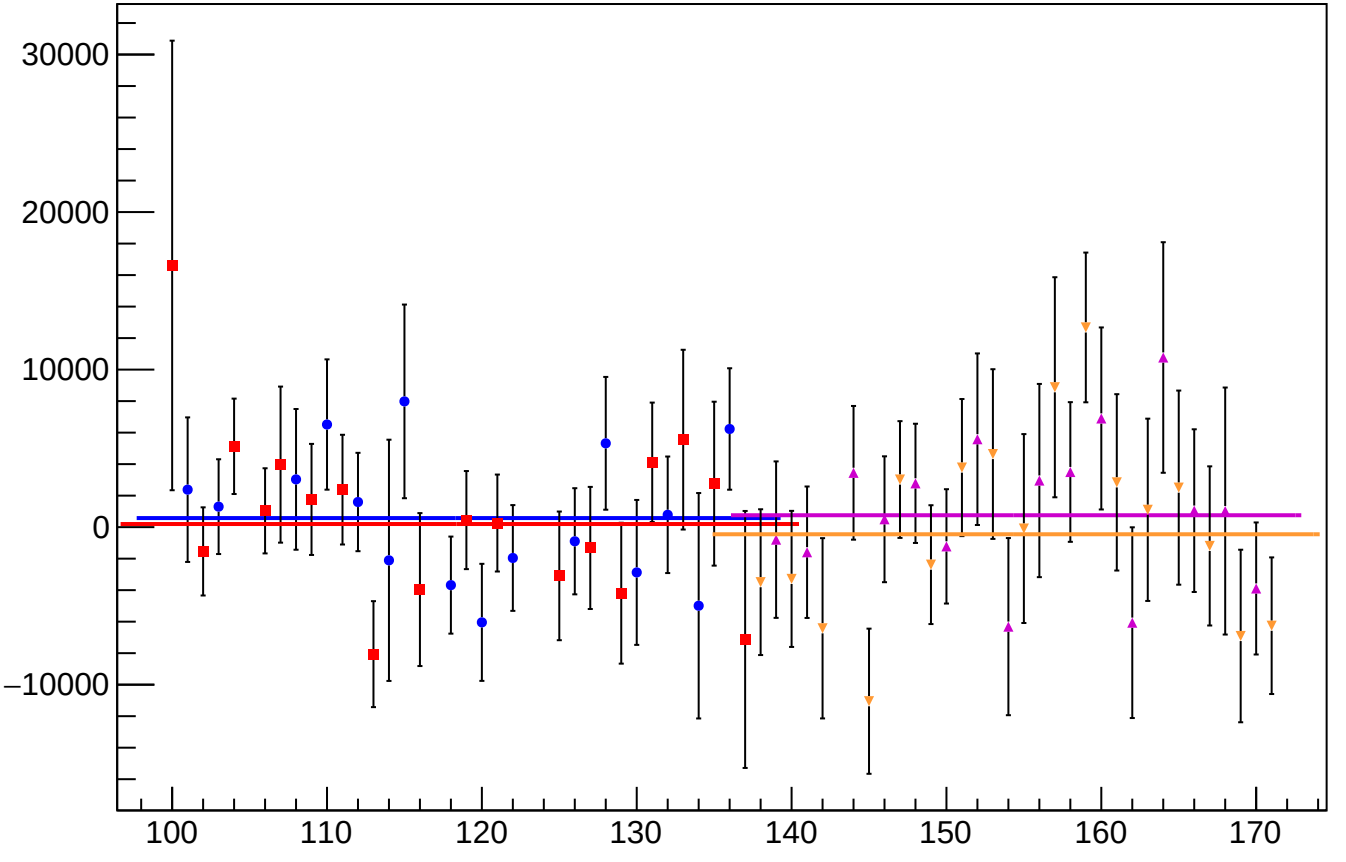
Left In: 1235.443+/-0.241 χ^2/NDF:90058.5/15

+ sign 1047.105+/-0.166 χ^2/NDF: 1673238.7/32

All: 1045.609+/-0.118 χ^2/NDF: 3271107.6/66

- sign 1044.103+/-0.167 χ^2/NDF: 1597706.7/33

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -451.947+/-1182.757 χ^2/NDF:23.5/16

Right Out: 197.953+/-894.121 χ^2/NDF: 17.2/17

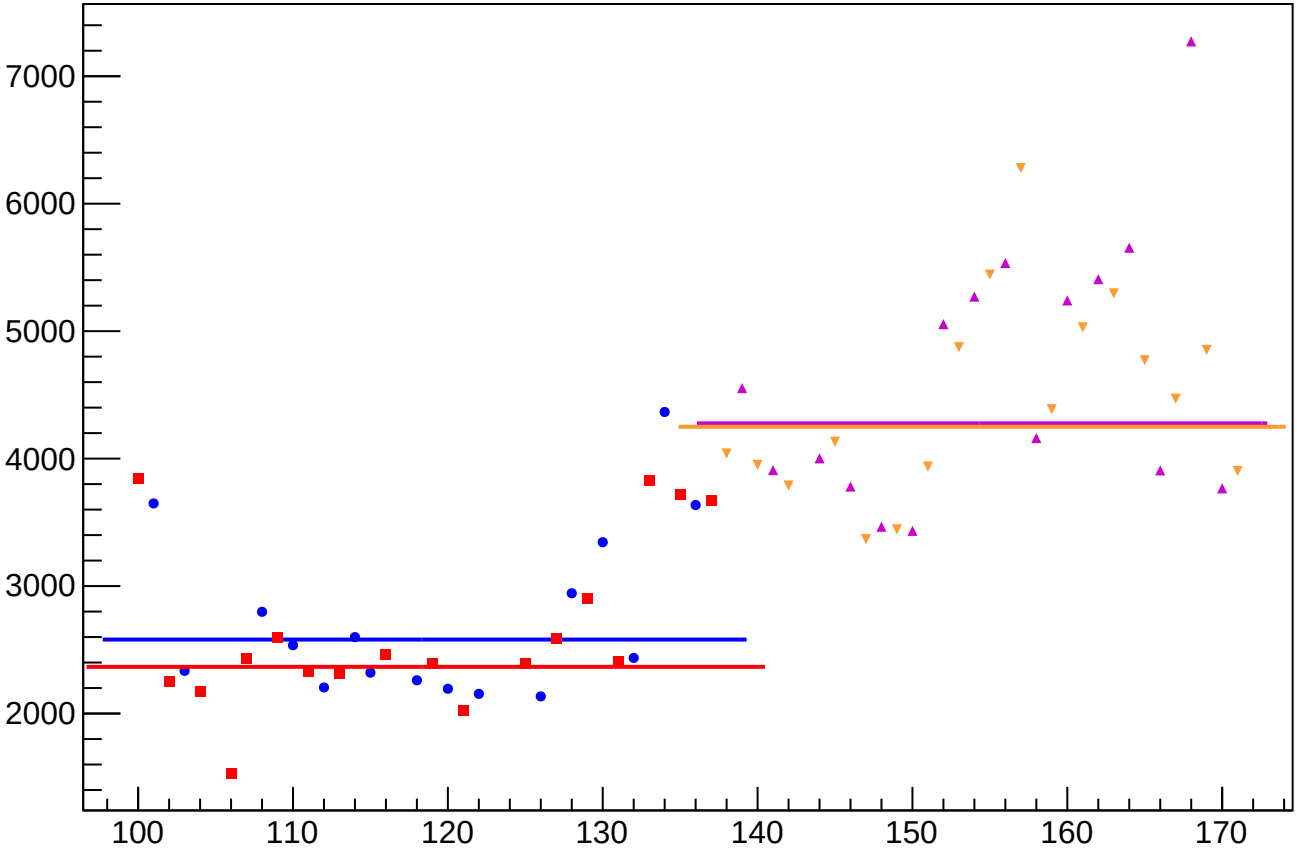
Left In: 755.481+/-1202.627 χ^2/NDF:9.8/15

+ sign 154.655+/-756.846 χ^2/NDF: 38.6/32

All: 281.980+/-520.718 χ^2/NDF: 65.8/66

- sign 396.423+/-717.539 χ^2/NDF: 27.1/33

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4249.579+/-0.836 χ^2/NDF:678877.5/16

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

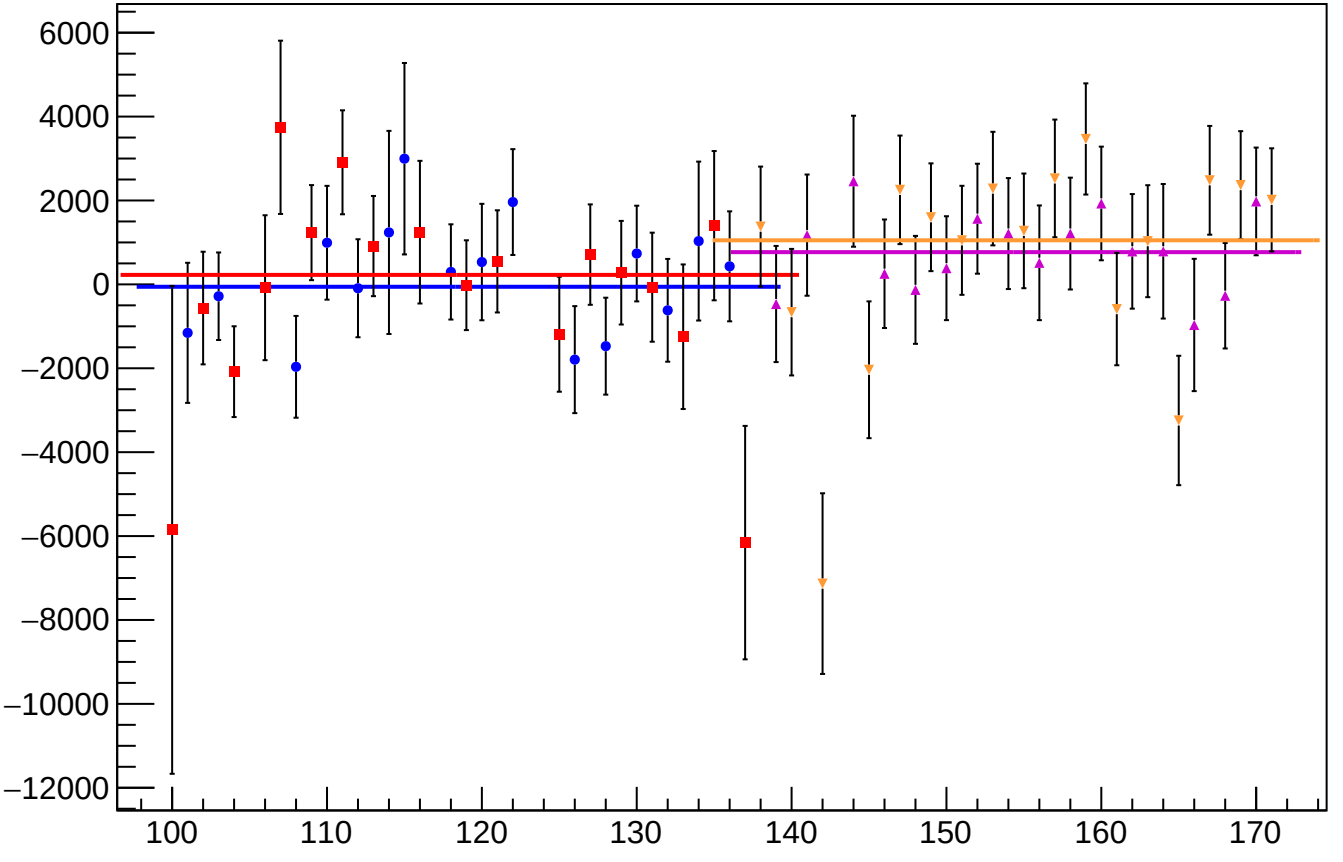
Left In: 4276.509+/-0.850 χ^2/NDF:978202.2/15

+ sign 3263.868+/-0.535 χ^2/NDF: 3648362.3/32

All: 3149.326+/-0.368 χ^2/NDF: 8574442.2/66

- sign 3046.373+/-0.507 χ^2/NDF: 4839098.4/33

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1051.241+/-335.634 χ^2/NDF:37.8/16

Right Out: 226.078+/-328.069 χ^2/NDF: 22.9/17

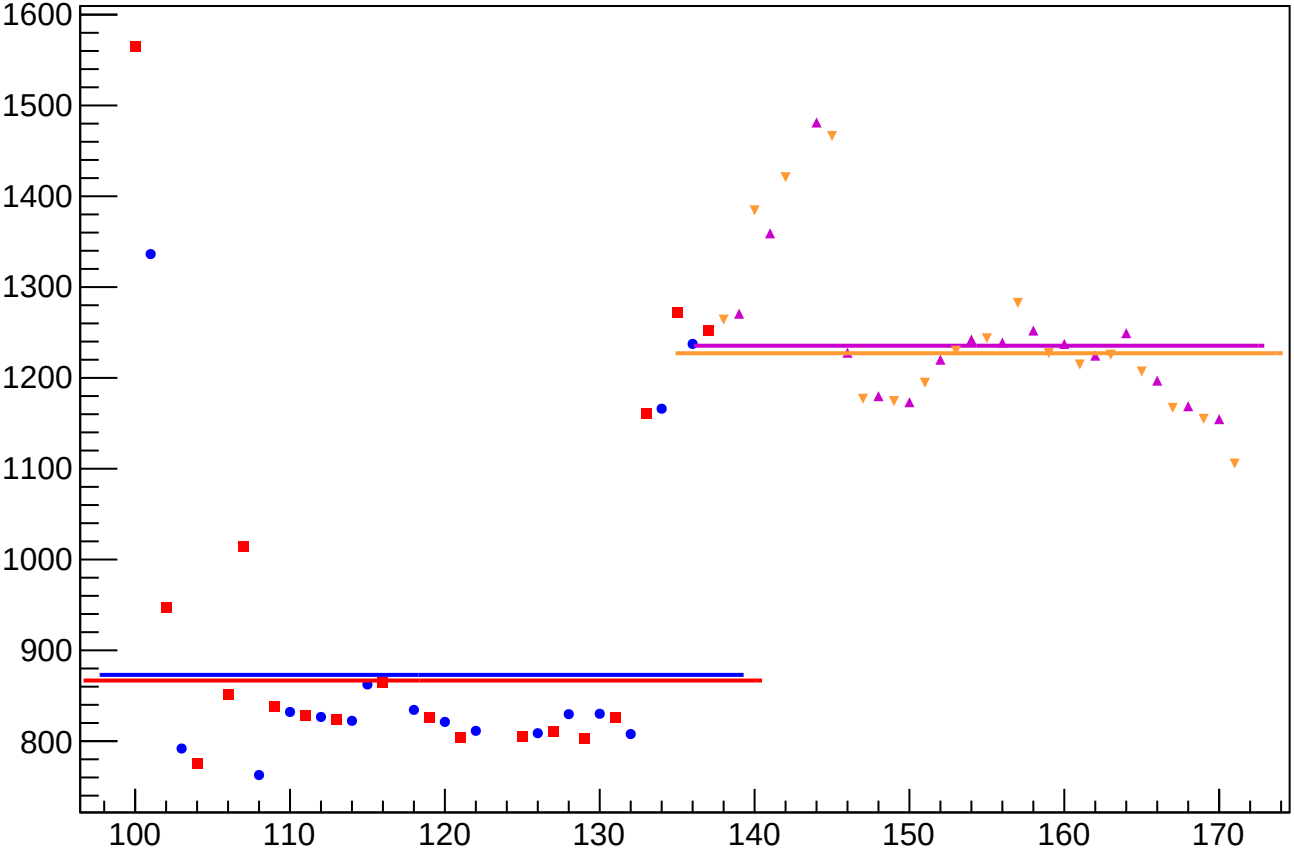
Left In: 768.427+/-340.444 χ^2/NDF:6.9/15

+ sign 487.782+/-235.344 χ^2/NDF: 56.4/32

All: 487.500+/-166.727 χ^2/NDF: 87.5/66

- sign 487.216+/-236.233 χ^2/NDF: 31.2/33

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1227.139+/-0.237 χ^2/NDF:124104.1/16

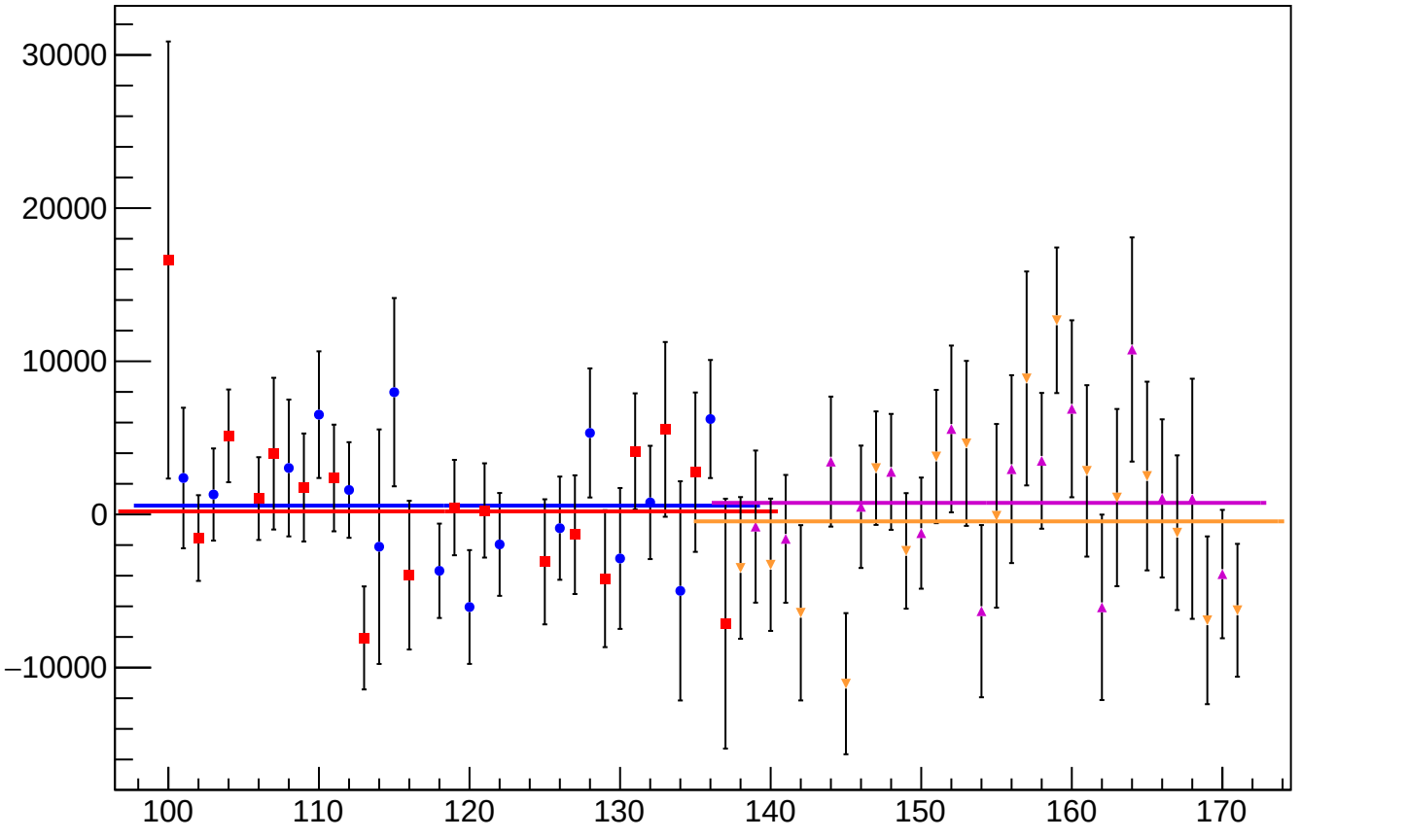
Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1235.444+/-0.241 χ^2/NDF:90059.5/15

+ sign 1047.105+/-0.166 χ^2/NDF: 1673245.4/32

All: 1045.609+/-0.118 χ^2/NDF: 3271122.1/66

- sign 1044.104+/-0.167 χ^2/NDF: 1597714.6/33



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -451.945+/-1182.759 χ^2/NDF:23.5/16

Right Out: 197.955+/-894.119 χ^2/NDF: 17.2/17

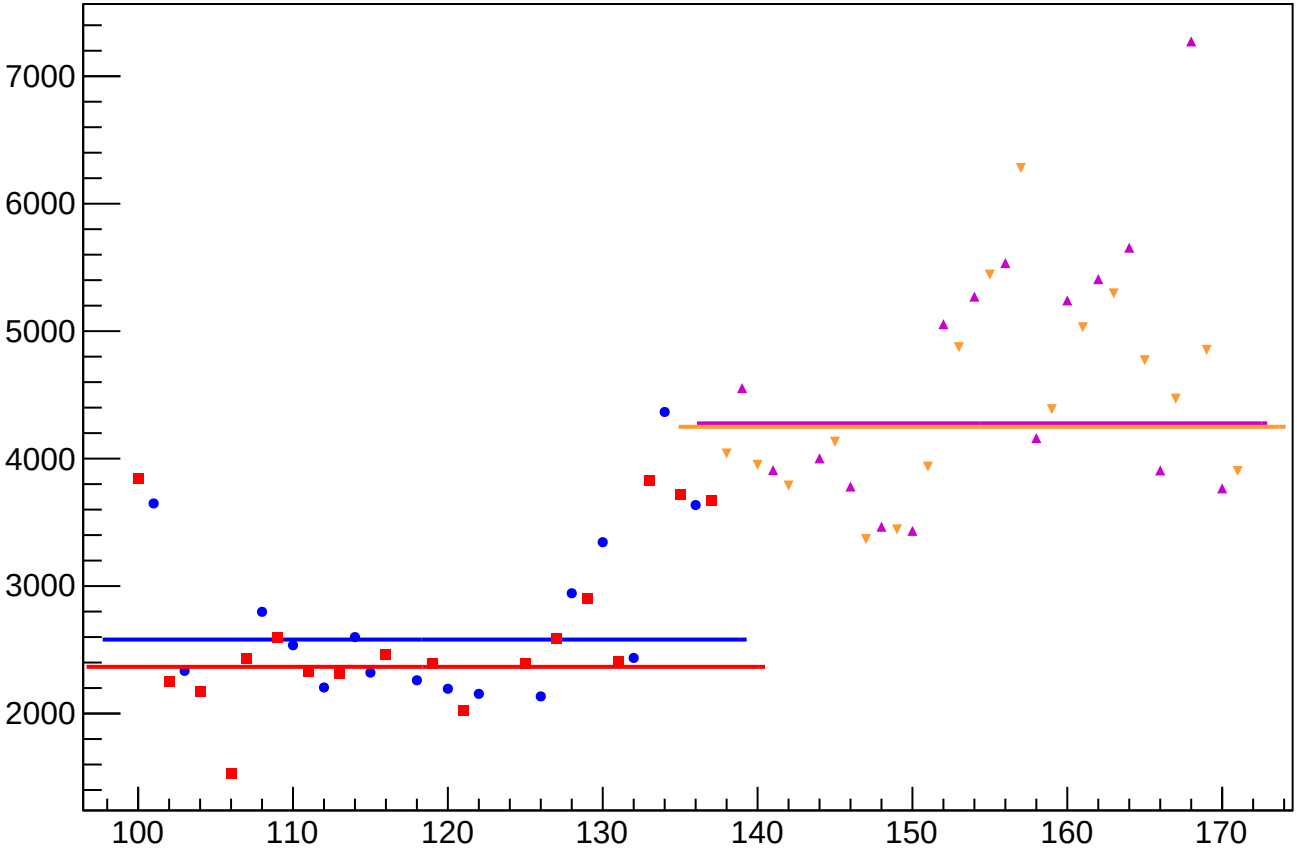
Left In: 755.480+/-1202.628 χ^2/NDF:9.8/15

\+ sign 154.655+/-756.845 χ^2/NDF: 38.6/32

All: 281.980+/-520.717 χ^2/NDF: 65.8/66

\- sign 396.423+/-717.538 χ^2/NDF: 27.1/33

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4249.586+/-0.836 χ^2/NDF:678879.5/16

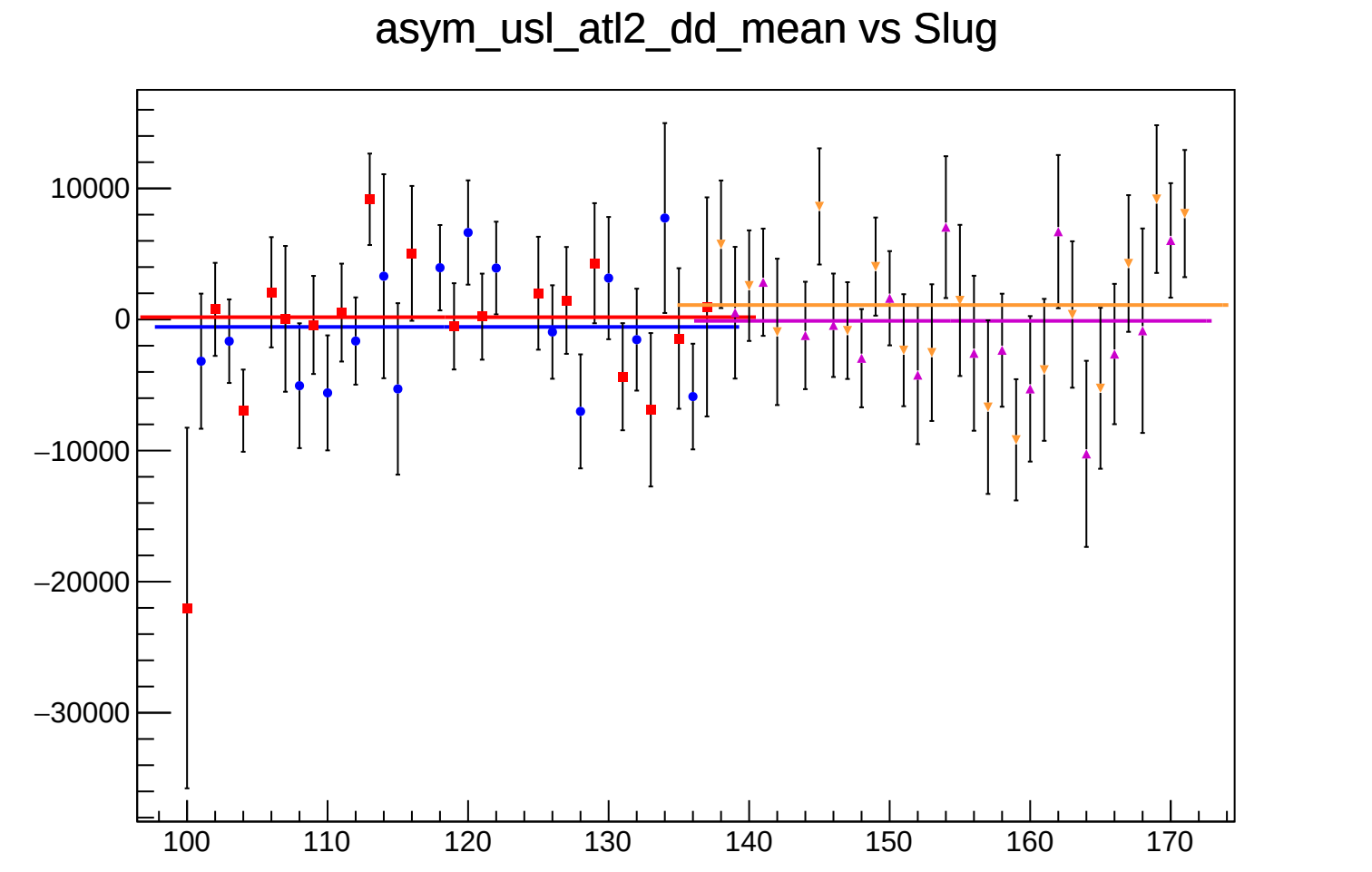
Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4276.514+/-0.850 χ^2/NDF:978206.6/15

+ sign 3263.862+/-0.535 χ^2/NDF: 3648415.5/32

All: 3149.320+/-0.368 χ^2/NDF: 8574545.5/66

- sign 3046.367+/-0.507 χ^2/NDF: 4839148.2/33



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1103.738+/-1177.761 χ^2/NDF:18.8/16

Right Out: 178.586+/-988.392 χ^2/NDF: 19.5/17

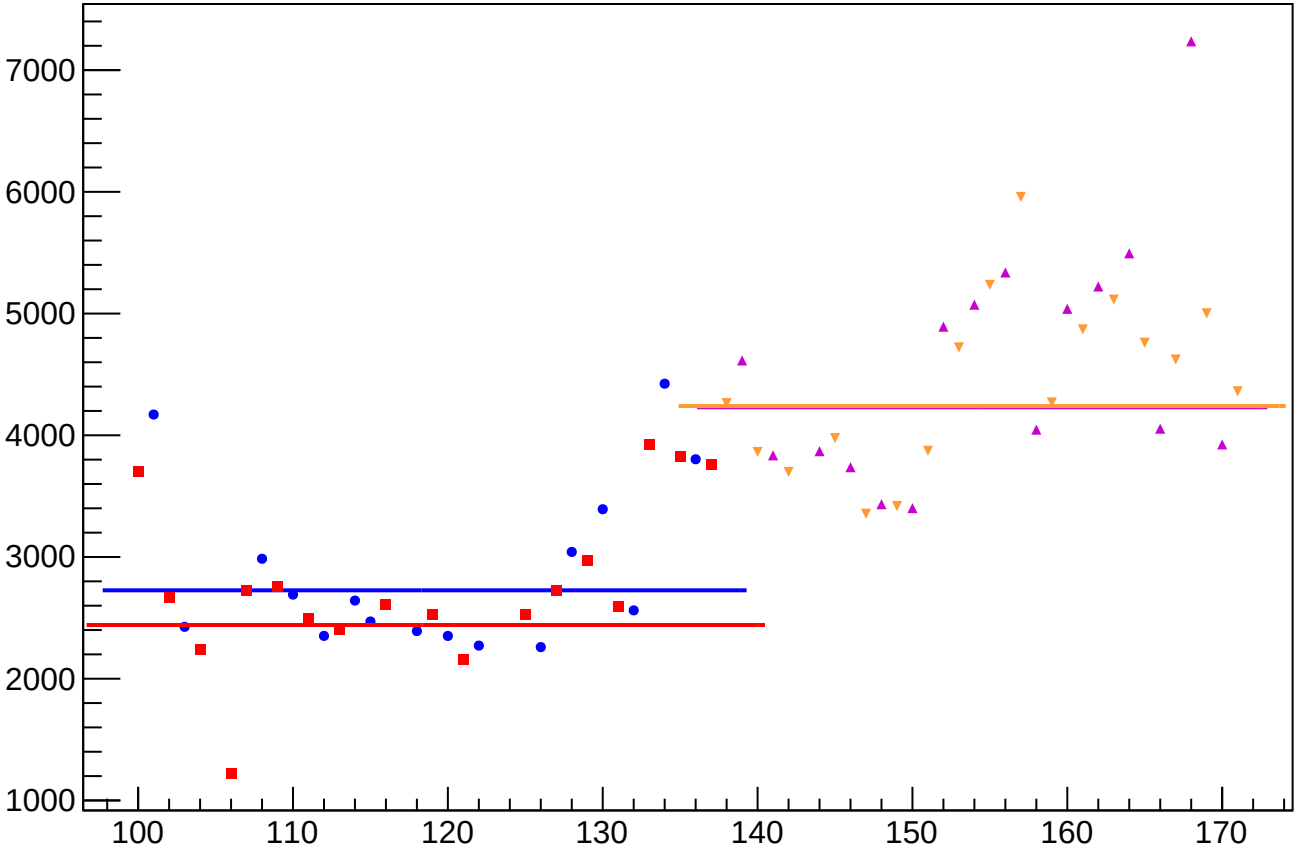
Left In: -105.133+/-1186.888 χ^2/NDF:10.7/15

+ sign 165.742+/-779.701 χ^2/NDF: 36.2/32

All: 112.717+/-544.056 χ^2/NDF: 66.4/66

- sign 62.402+/-759.518 χ^2/NDF: 30.3/33

asym_usl_atl2_dd_rms vs Slug



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4240.178+/-0.833 χ^2/NDF:618275.0/16

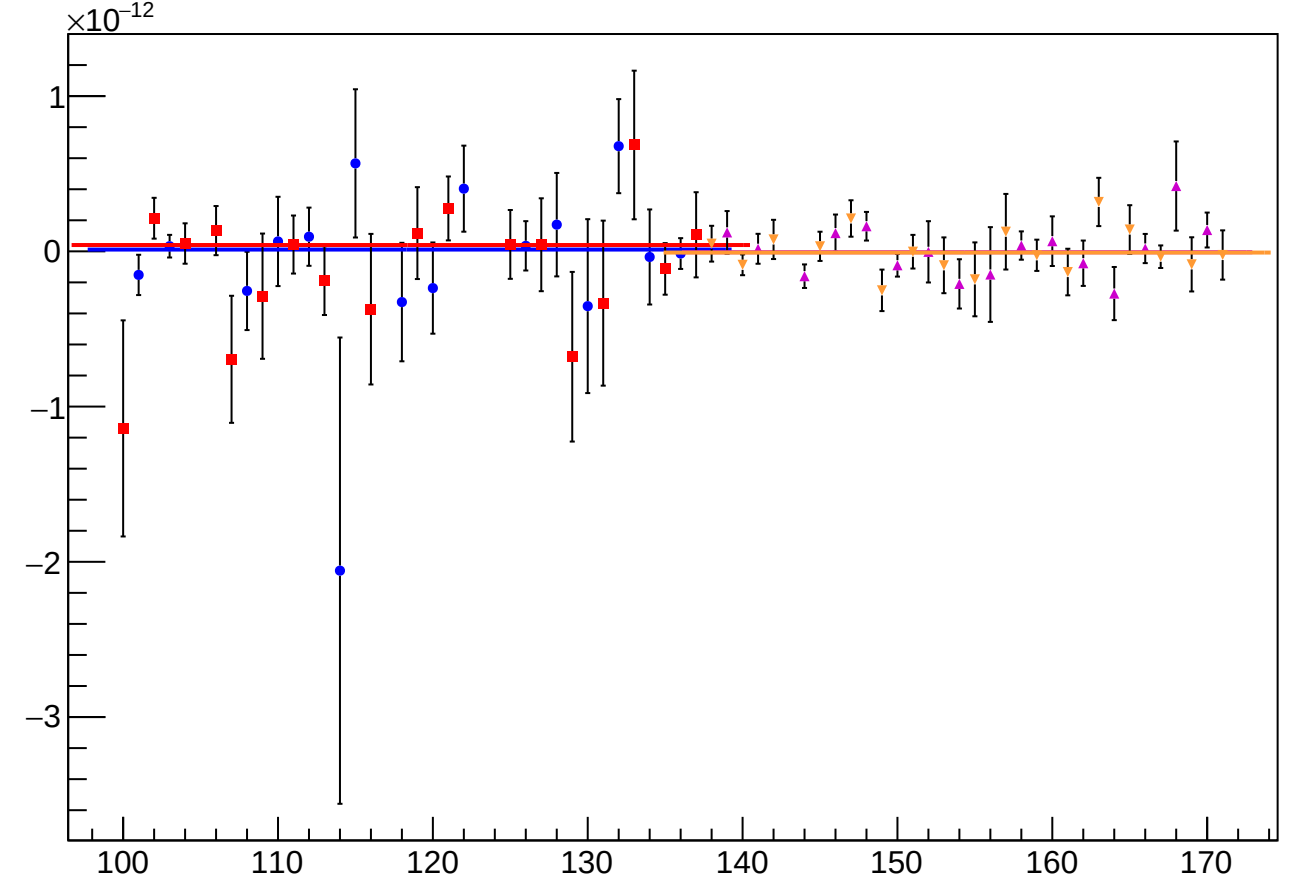
Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4230.009+/-0.839 χ^2/NDF:900338.4/15

+ sign 3389.748+/-0.551 χ^2/NDF: 3097724.9/32

All: 3254.768+/-0.379 χ^2/NDF: 7786886.0/66

- sign 3133.701+/-0.522 χ^2/NDF: 4575460.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/16

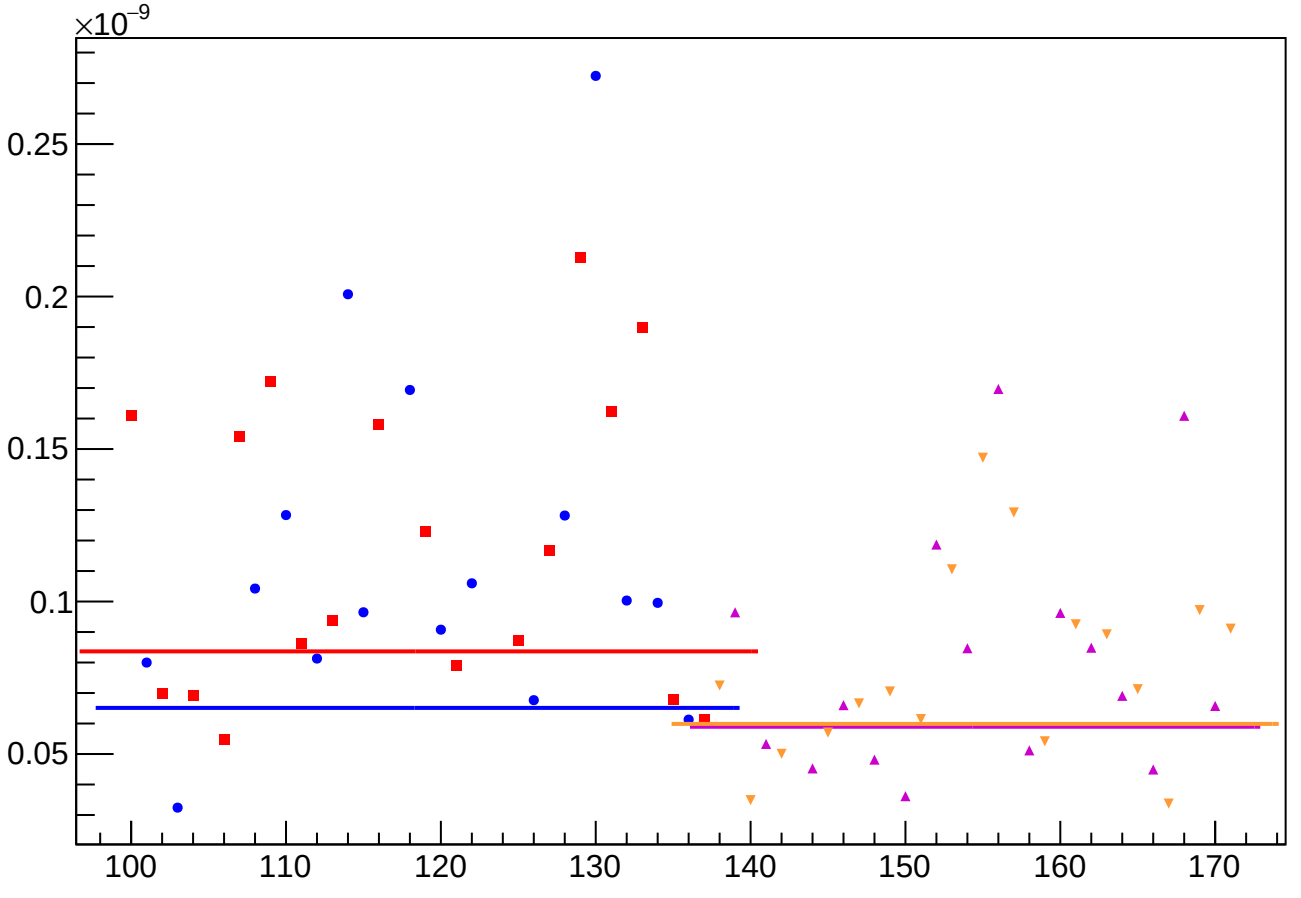
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: -0.000+/-0.000 χ^2/NDF:19.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 32.0/32

All: 0.000+/-0.000 χ^2/NDF: 69.2/66

- sign 0.000+/-0.000 χ^2/NDF: 37.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1537200.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

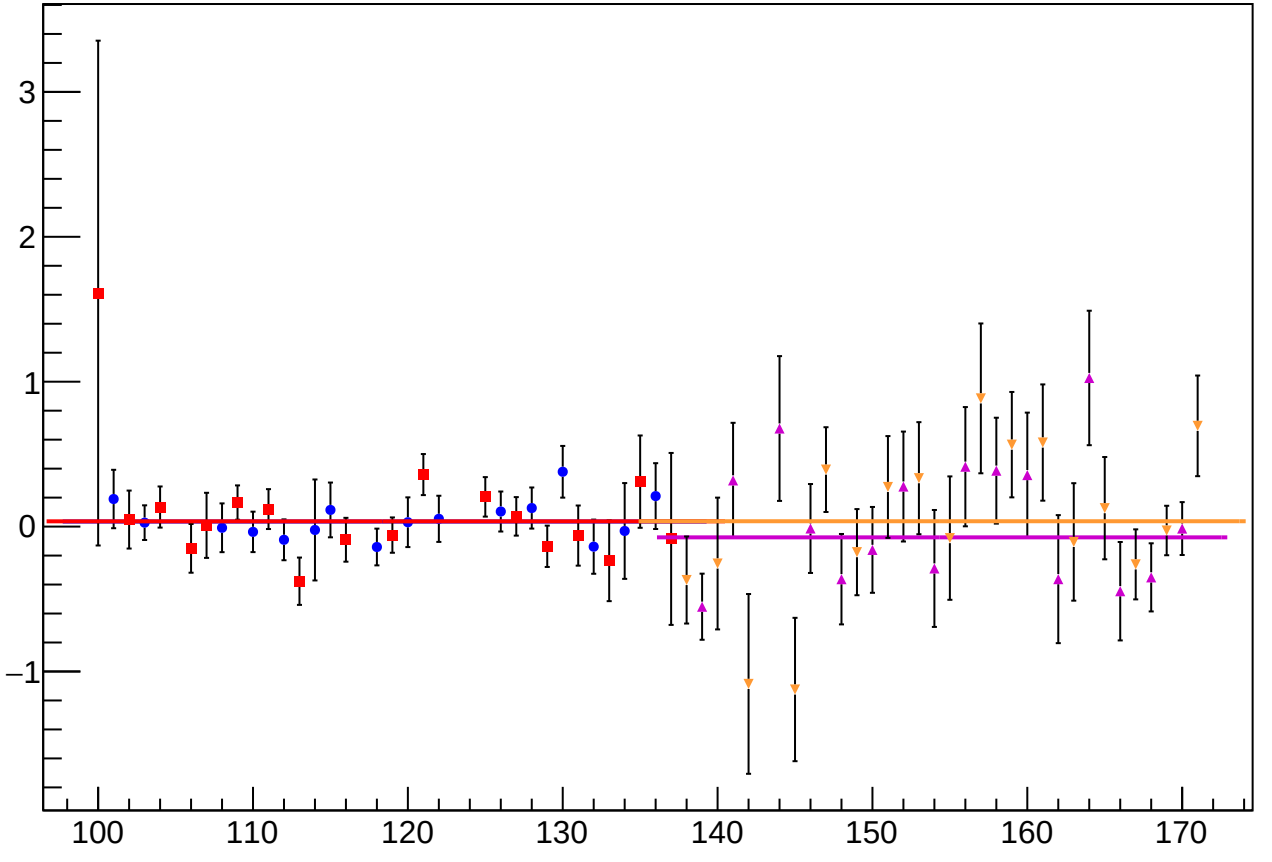
Left In: 0.000+/-0.000 χ^2/NDF:1445165.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 2779864.3/32

All: 0.000+/-0.000 χ^2/NDF: 5265712.2/66

- sign 0.000+/-0.000 χ^2/NDF: 2470681.5/33

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: 0.037+/-0.080 χ^2/NDF:26.2/16

Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

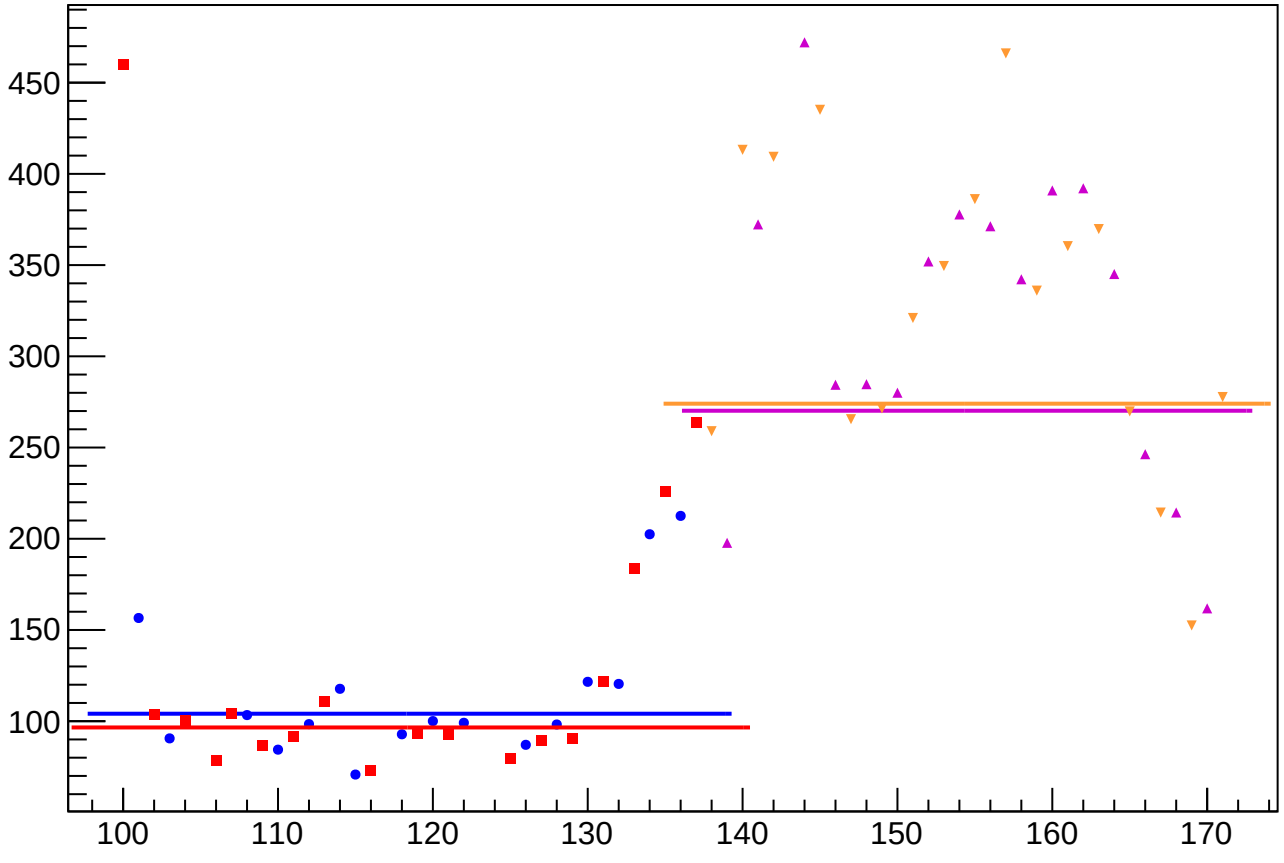
Left In: -0.074+/-0.079 χ^2/NDF:22.5/15

+ sign 0.035+/-0.036 χ^2/NDF: 36.0/32

All: 0.025+/-0.025 χ^2/NDF: 82.2/66

- sign 0.015+/-0.035 χ^2/NDF: 46.1/33

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: 274.034+/-0.056 χ^2/NDF:2426059.5/16

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

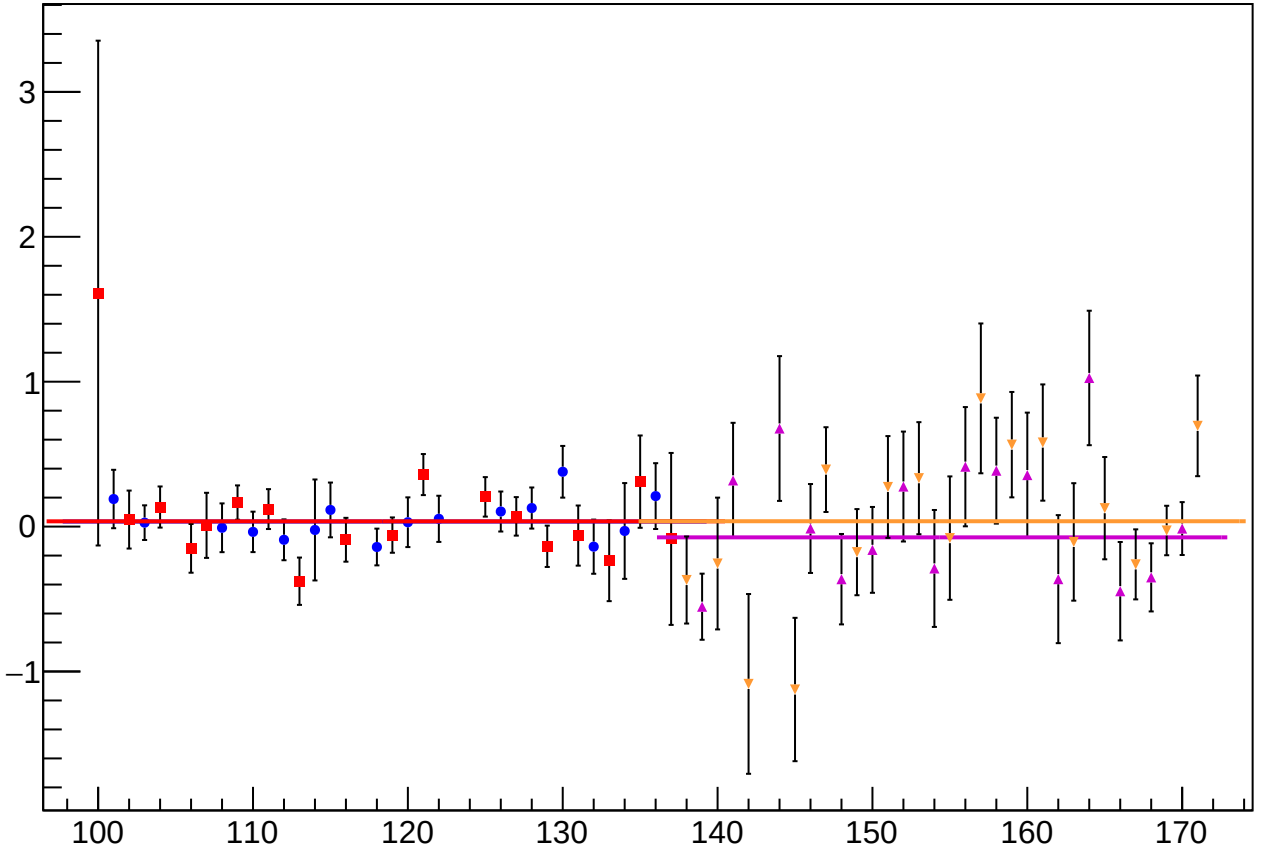
Left In: 270.171+/-0.056 χ^2/NDF:2293304.8/15

+ sign 139.671+/-0.026 χ^2/NDF: 10597273.1/32

All: 134.856+/-0.018 χ^2/NDF: 21686971.7/66

- sign 130.451+/-0.025 χ^2/NDF: 11022985.1/33

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.037+/-0.080 χ^2/NDF:26.2/16

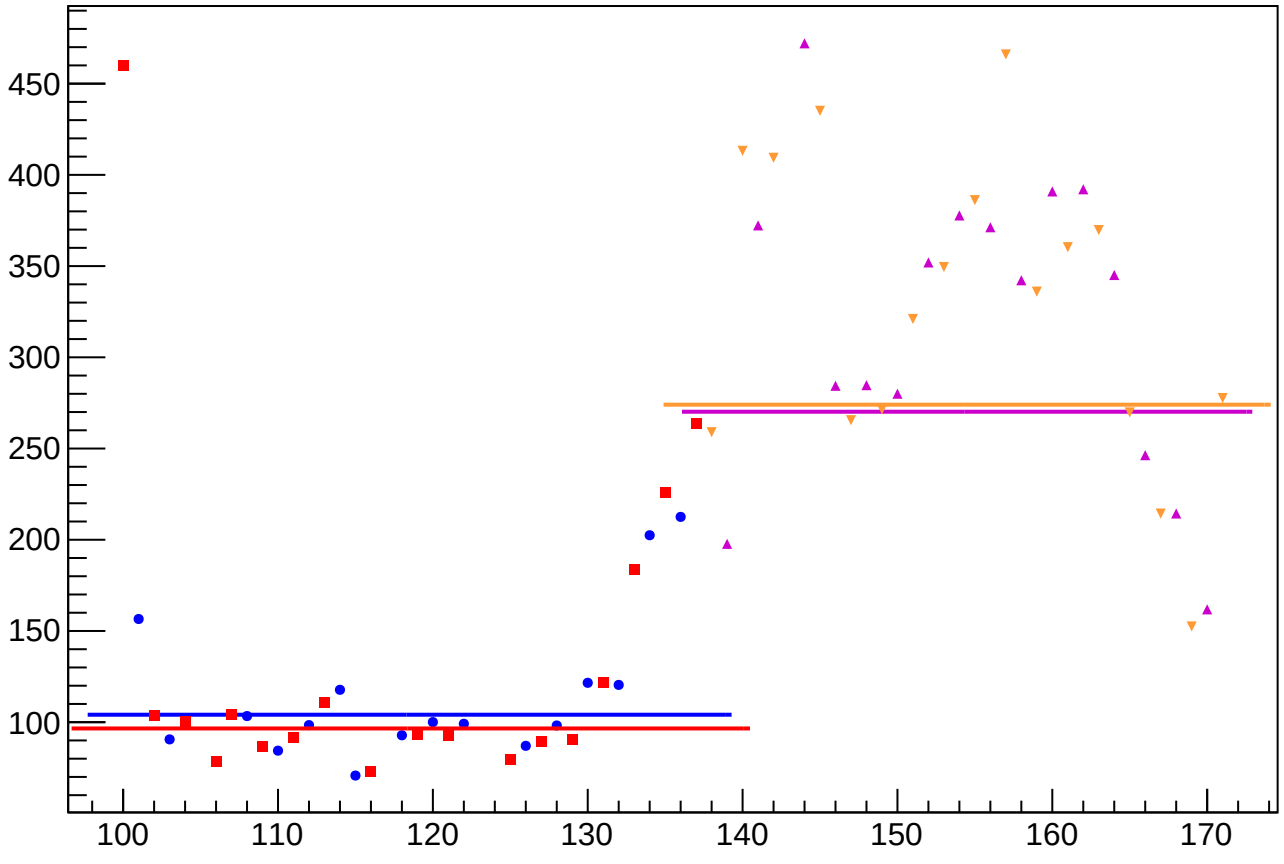
Right Out: 0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: -0.074+/-0.079 χ^2/NDF:22.5/15

+ sign 0.035+/-0.036 χ^2/NDF: 36.0/32

All: 0.025+/-0.025 χ^2/NDF: 82.2/66

- sign 0.015+/-0.035 χ^2/NDF: 46.1/33



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 274.034+/-0.056 χ^2/NDF:2426059.5/16

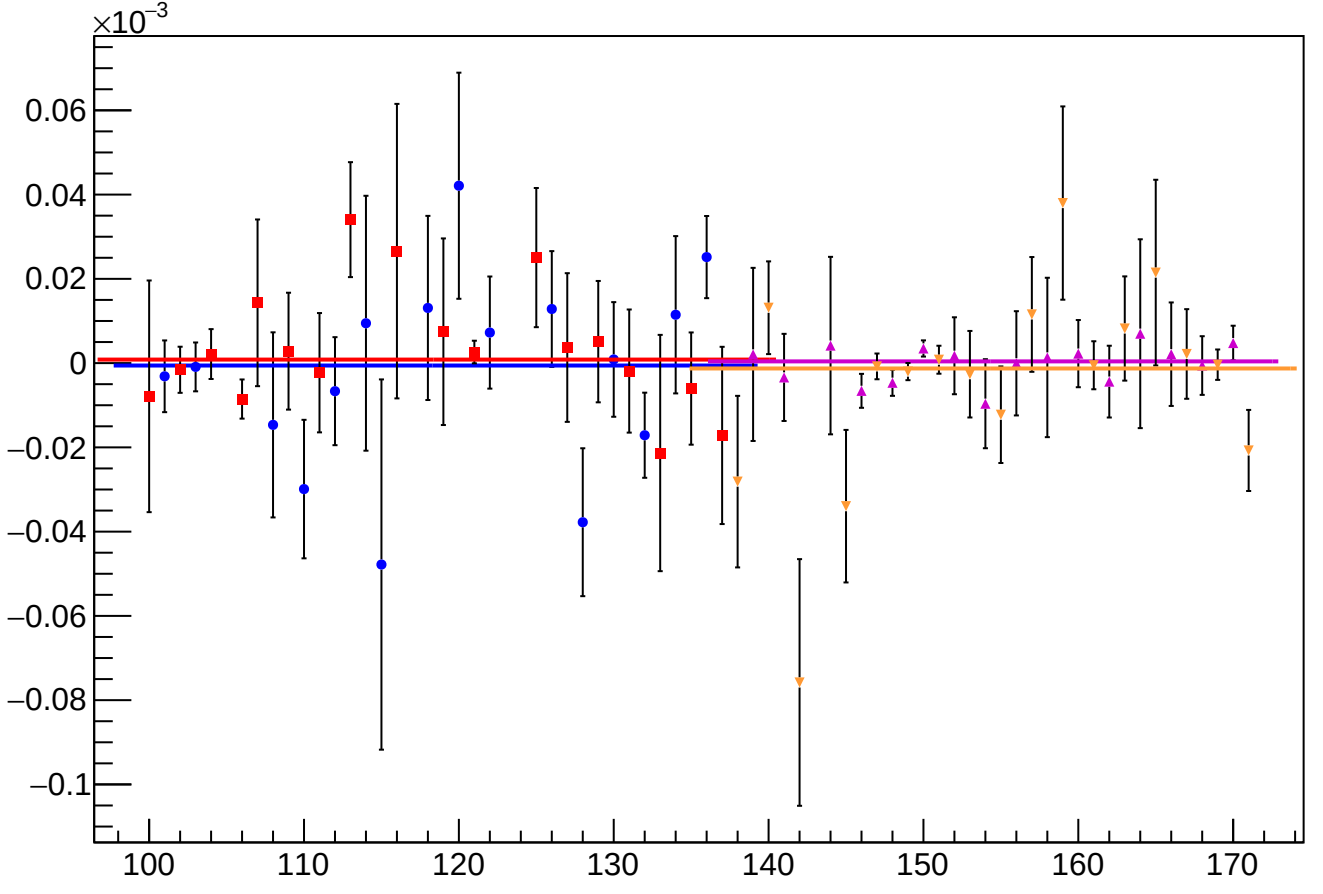
Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 270.171+/-0.056 χ^2/NDF:2293304.8/15

+ sign 139.671+/-0.026 χ^2/NDF: 10597273.1/32

All: 134.856+/-0.018 χ^2/NDF: 21686971.7/66

- sign 130.451+/-0.025 χ^2/NDF: 11022985.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/17

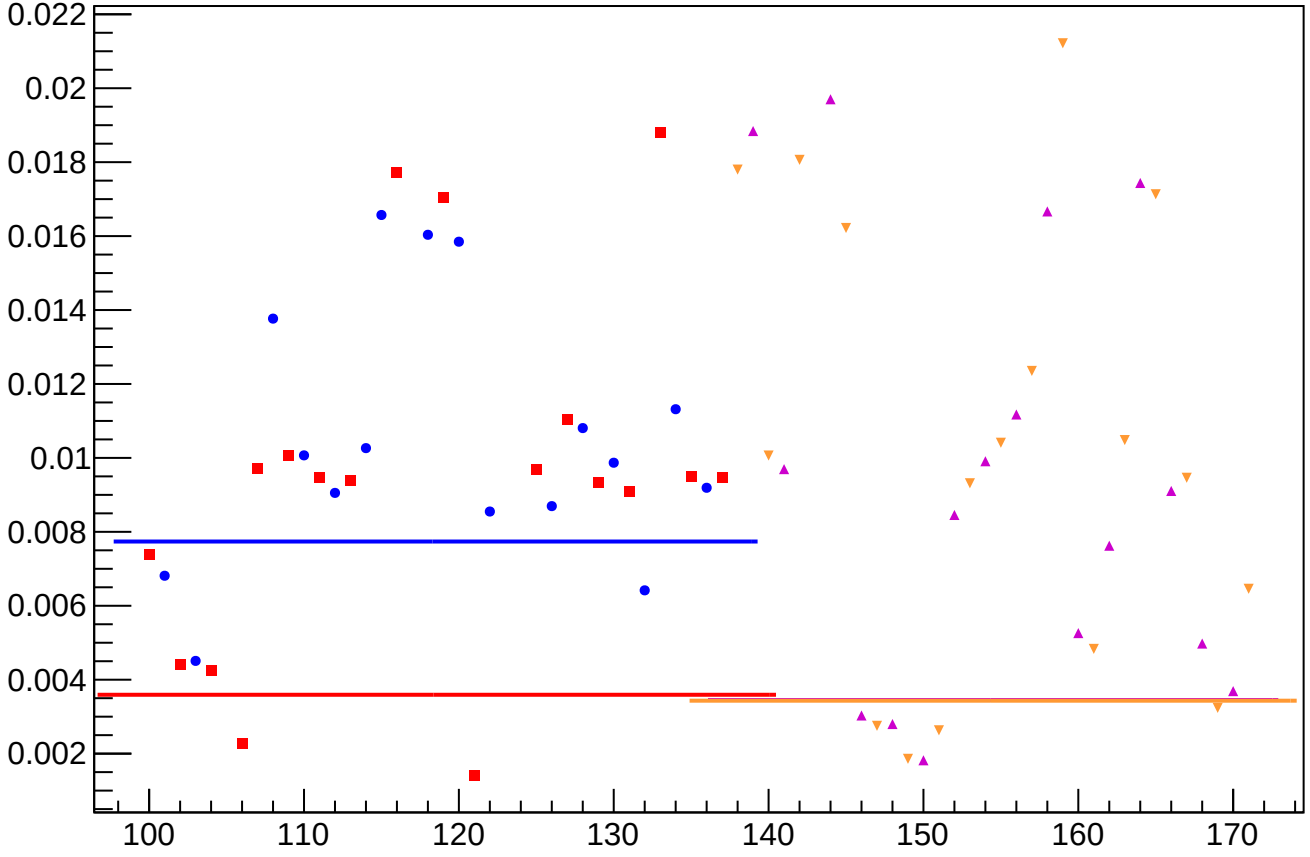
Left In: 0.000+/-0.000 χ^2/NDF:10.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 48.4/32

All: -0.000+/-0.000 χ^2/NDF: 76.5/66

- sign 0.000+/-0.000 χ^2/NDF: 26.8/33

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10474933.3/16

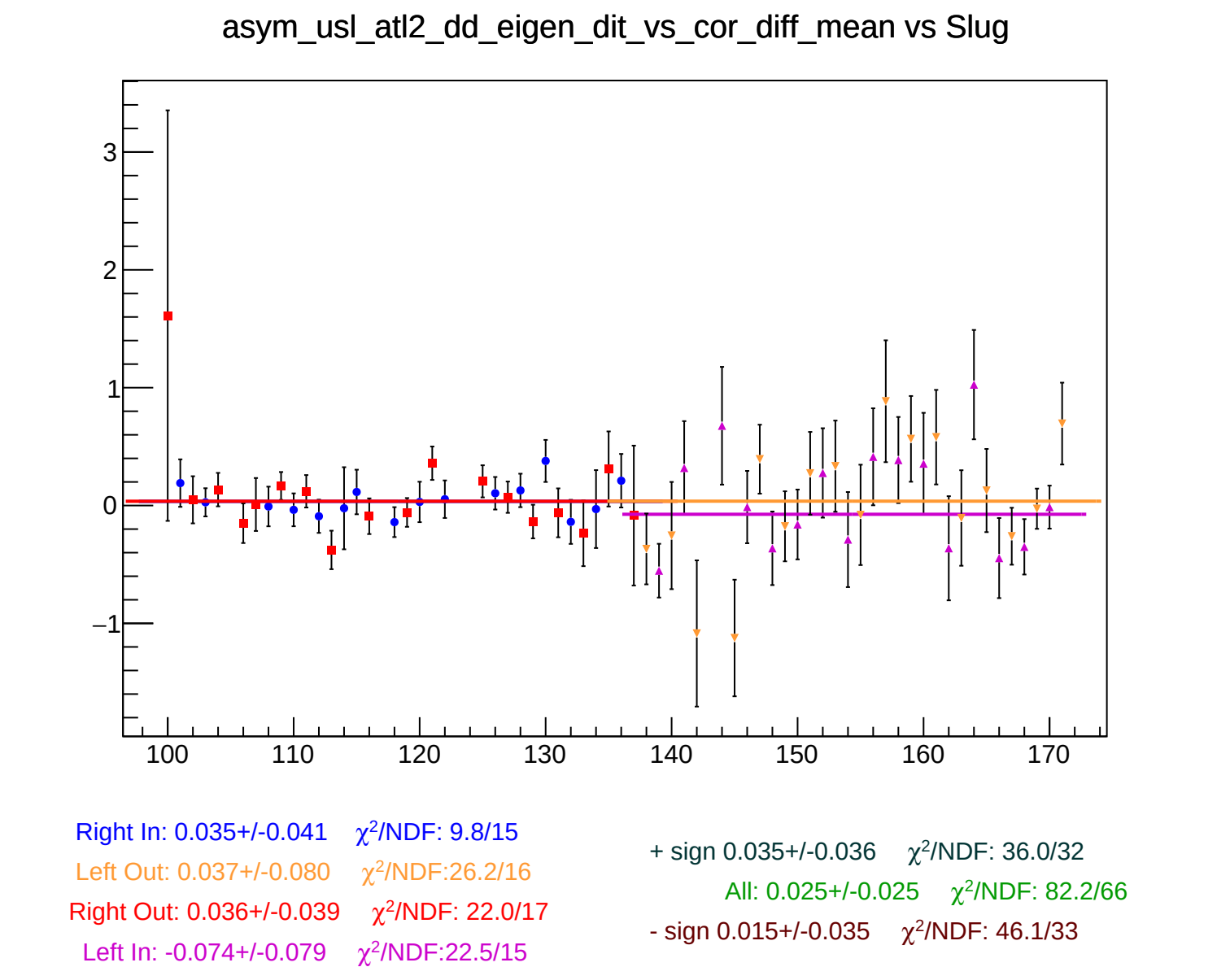
Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

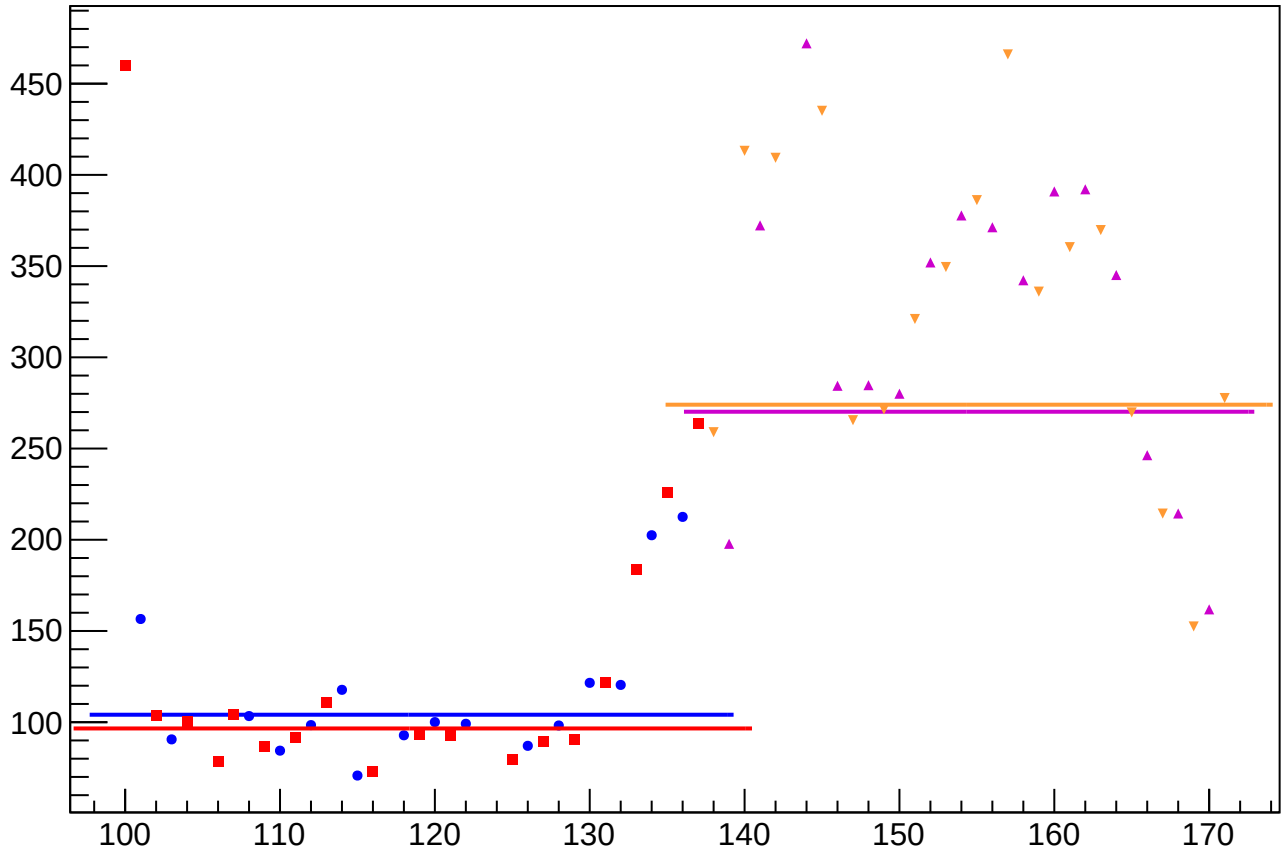
Left In: 0.003+/-0.000 χ^2/NDF:9582773.4/15

+ sign 0.004+/-0.000 χ^2/NDF: 15454696.7/32

All: 0.004+/-0.000 χ^2/NDF: 31655008.8/66

- sign 0.003+/-0.000 χ^2/NDF: 15955586.7/33


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.037+/-0.080 χ²/NDF:26.2/16
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.074+/-0.079 χ²/NDF:22.5/15
+ sign 0.035+/-0.036 χ²/NDF: 36.0/32
All: 0.025+/-0.025 χ²/NDF: 82.2/66
- sign 0.015+/-0.035 χ²/NDF: 46.1/33



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 274.036+/-0.056 χ^2/NDF:2426147.0/16

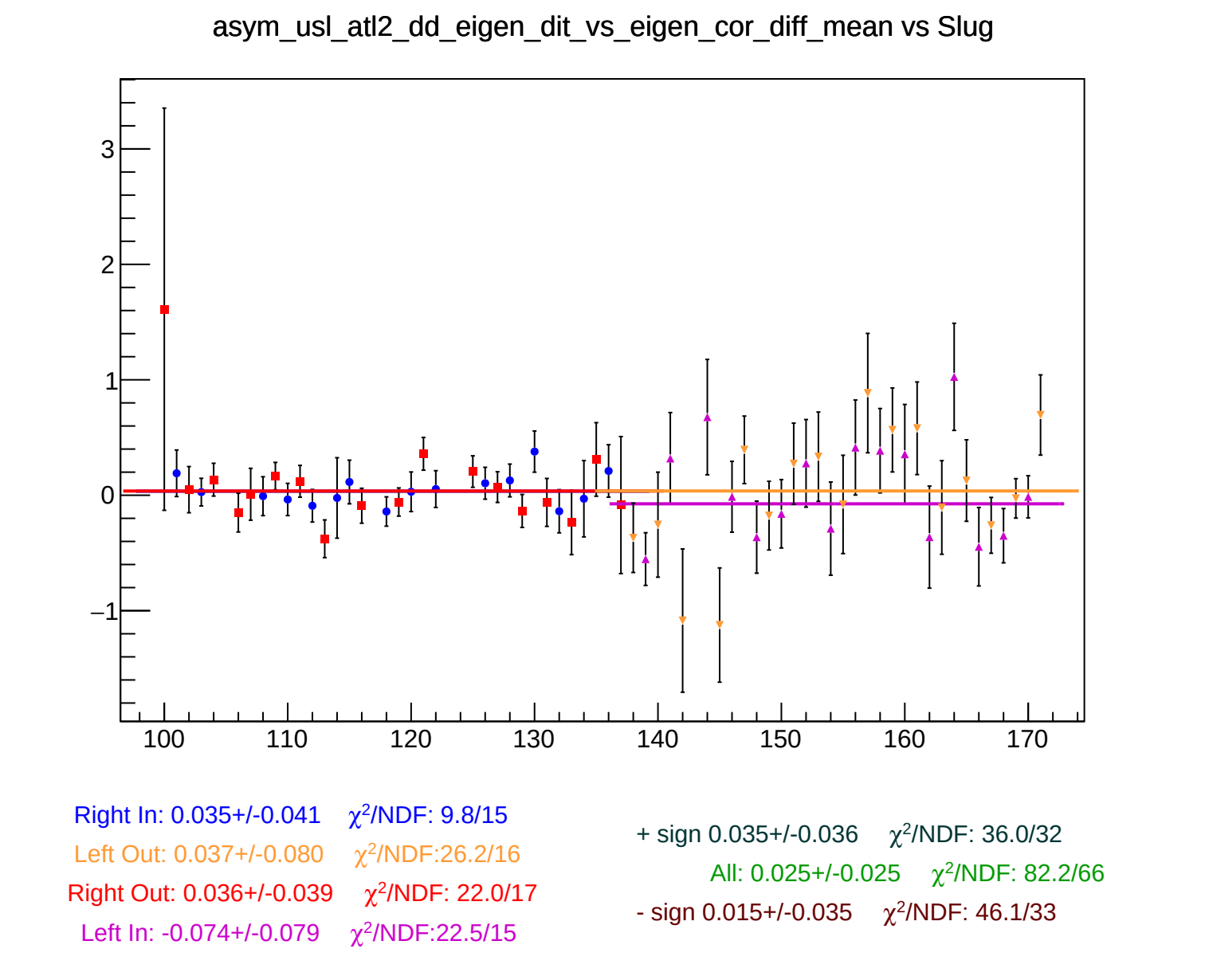
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

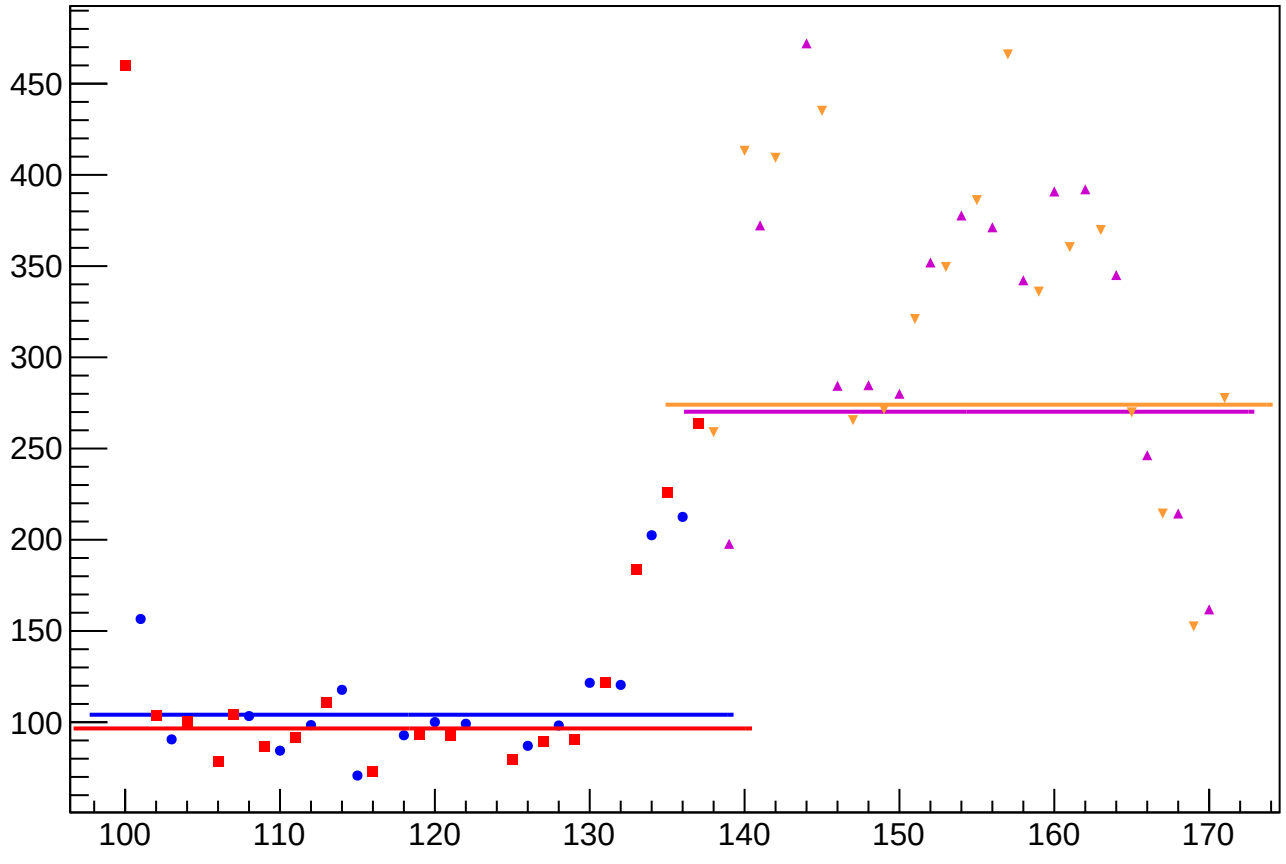
Left In: 270.174+/-0.056 χ^2/NDF:2293315.0/15

+ sign 139.672+/-0.026 χ^2/NDF: 10597302.8/32

All: 134.857+/-0.018 χ^2/NDF: 21686946.6/66

- sign 130.452+/-0.025 χ^2/NDF: 11022939.0/33


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.037+/-0.080 χ²/NDF:26.2/16
Right Out: 0.036+/-0.039 χ²/NDF: 22.0/17
Left In: -0.074+/-0.079 χ²/NDF:22.5/15
+ sign 0.035+/-0.036 χ²/NDF: 36.0/32
All: 0.025+/-0.025 χ²/NDF: 82.2/66
- sign 0.015+/-0.035 χ²/NDF: 46.1/33



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 274.036+/-0.056 χ^2/NDF:2426147.0/16

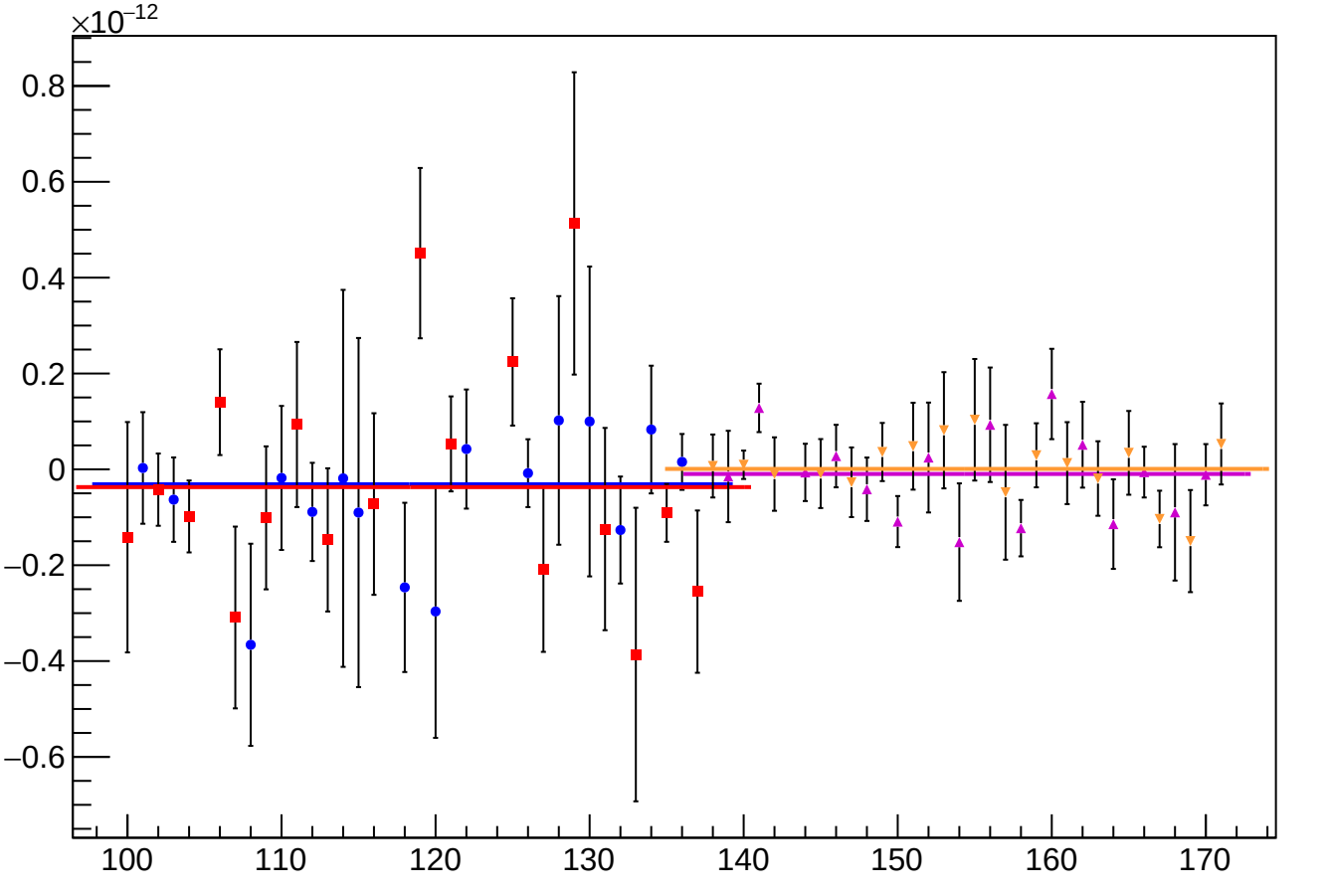
Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 270.174+/-0.056 χ^2/NDF:2293315.0/15

+ sign 139.672+/-0.026 χ^2/NDF: 10597302.8/32

All: 134.857+/-0.018 χ^2/NDF: 21686946.6/66

- sign 130.452+/-0.025 χ^2/NDF: 11022939.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/16

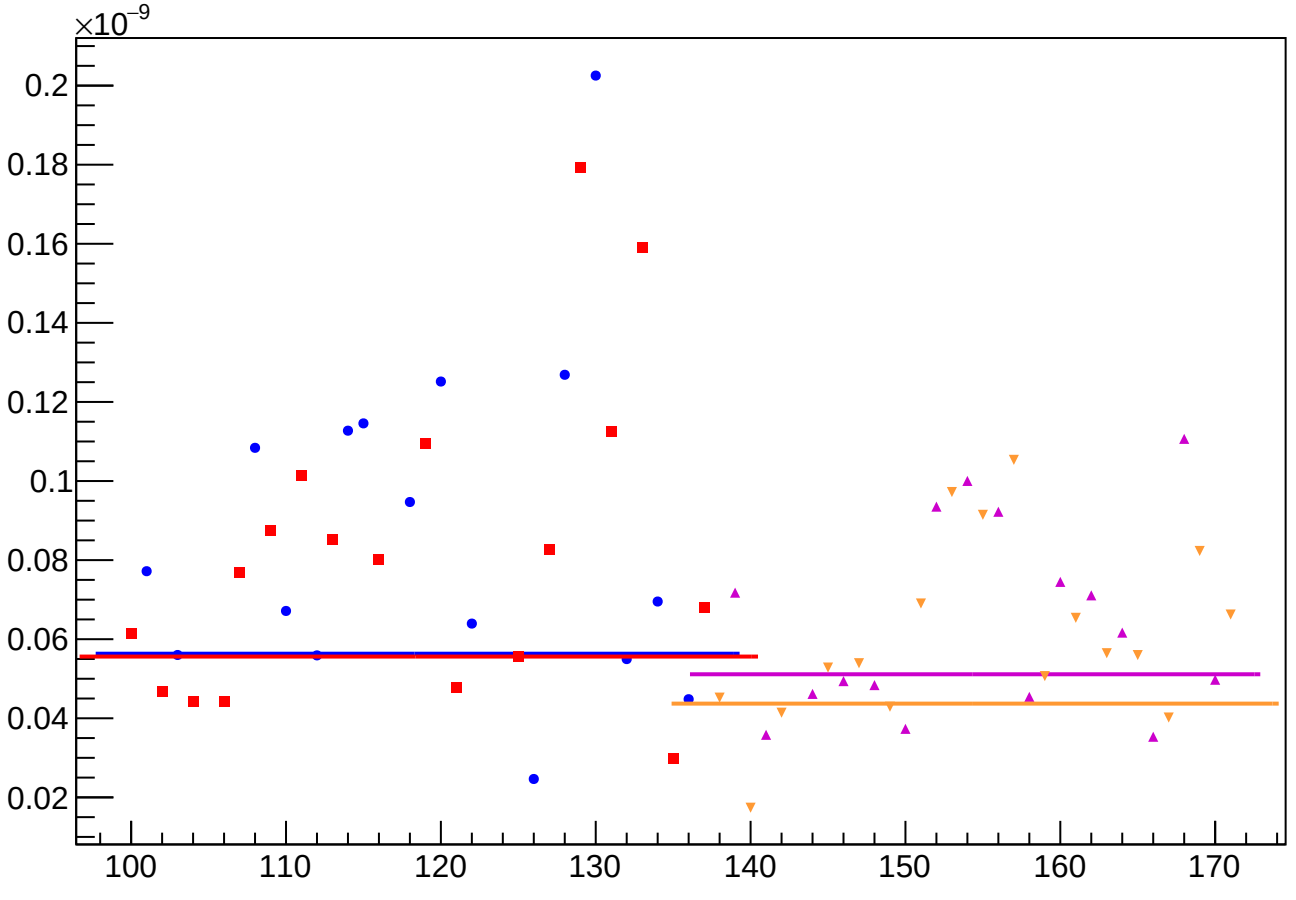
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:22.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 17.5/32

All: -0.000+/-0.000 χ^2/NDF: 68.0/66

- sign -0.000+/-0.000 χ^2/NDF: 50.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3525265.4/16

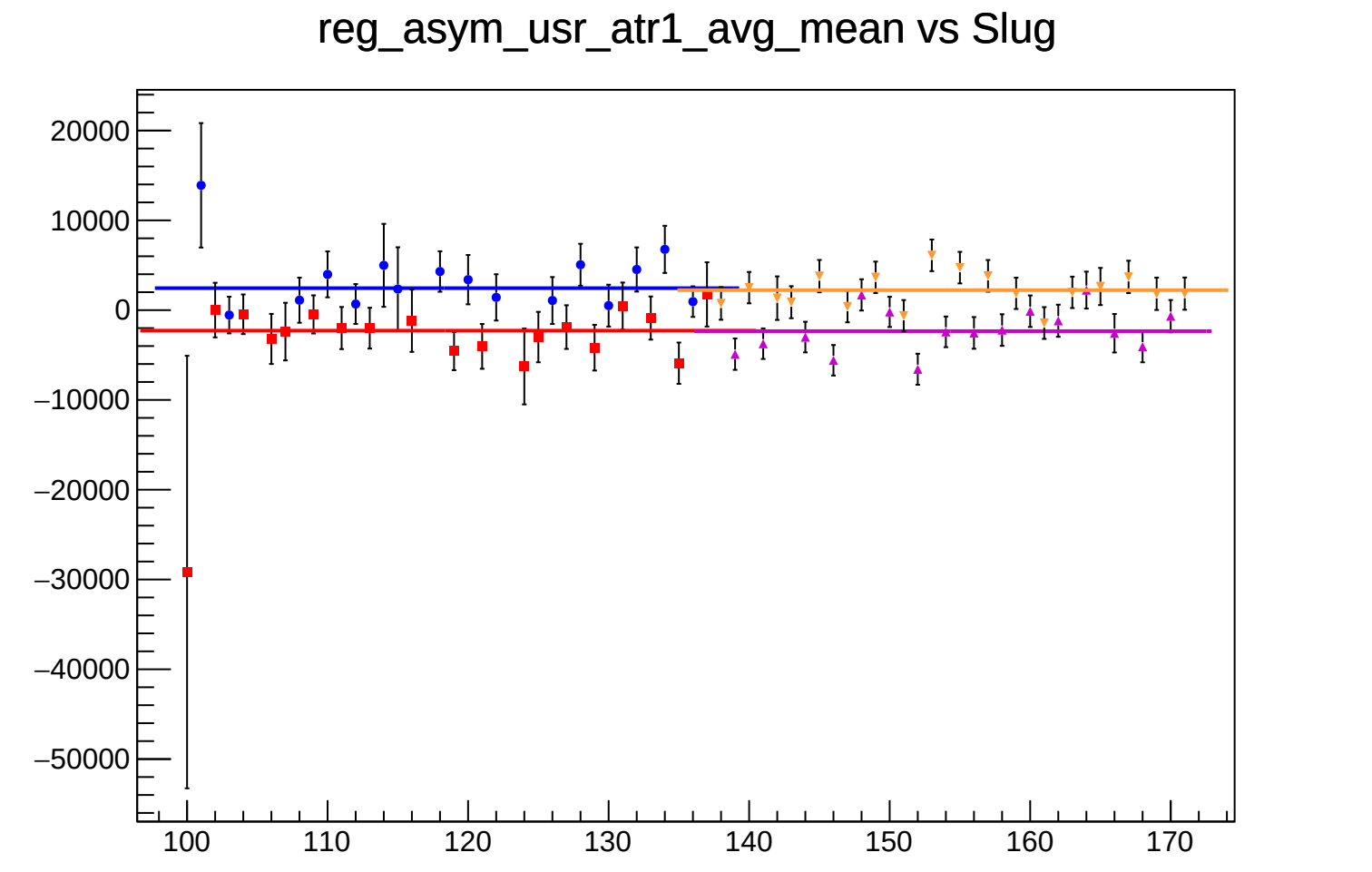
Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2053600.1/15

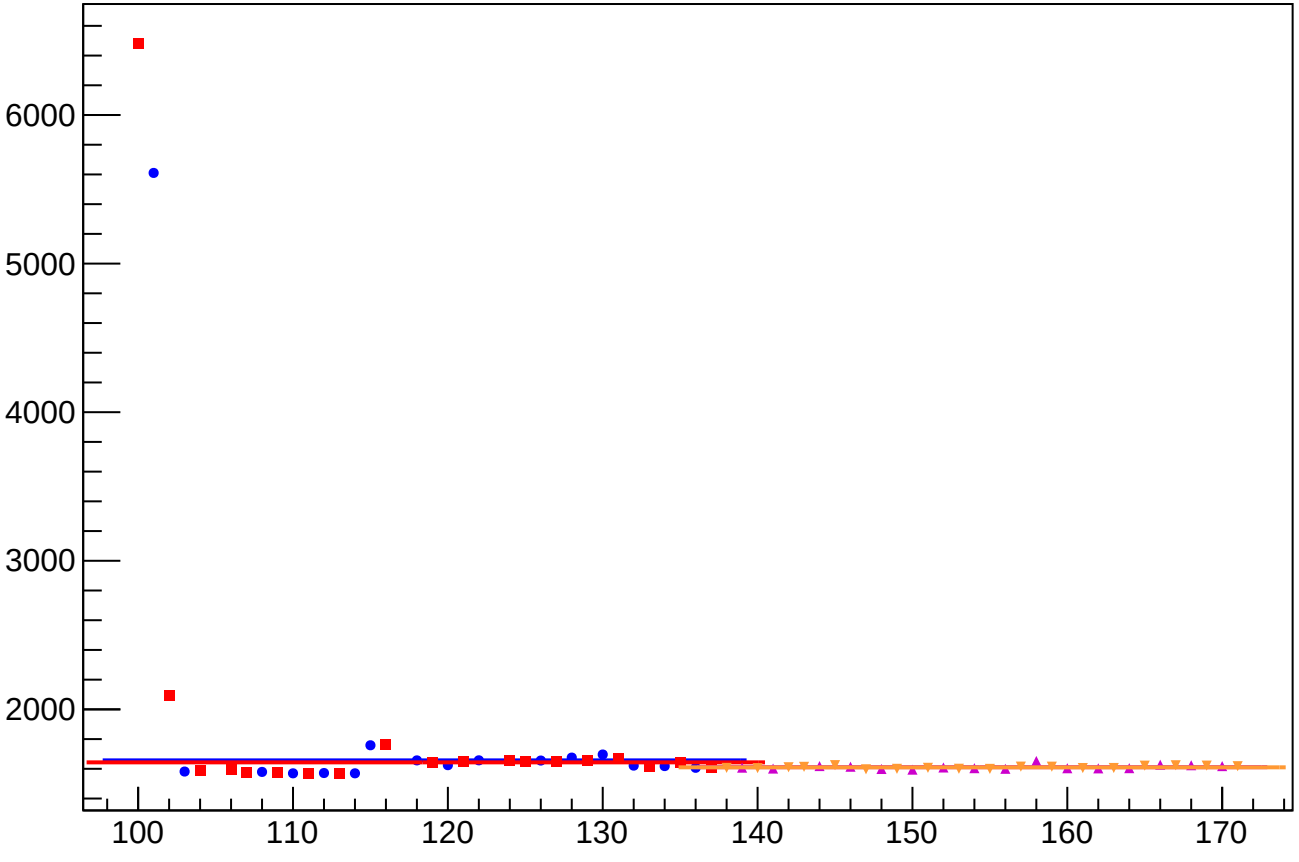
+ sign 0.000+/-0.000 χ^2/NDF: 5386106.5/32

All: 0.000+/-0.000 χ^2/NDF: 9388830.4/66

- sign 0.000+/-0.000 χ^2/NDF: 3855941.5/33


reg_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 2449.957+/-630.235 χ²/NDF: 13.8/15
Left Out: 2226.851+/-426.343 χ²/NDF:19.4/17
Right Out: -2286.573+/-609.157 χ²/NDF: 11.8/18
Left In: -2339.045+/-443.105 χ²/NDF:28.4/15
+ sign 2296.896+/-353.131 χ²/NDF: 33.3/33
All: 21.762+/-251.520 χ²/NDF: 157.8/68
- sign -2320.888+/-358.332 χ²/NDF: 40.3/34

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

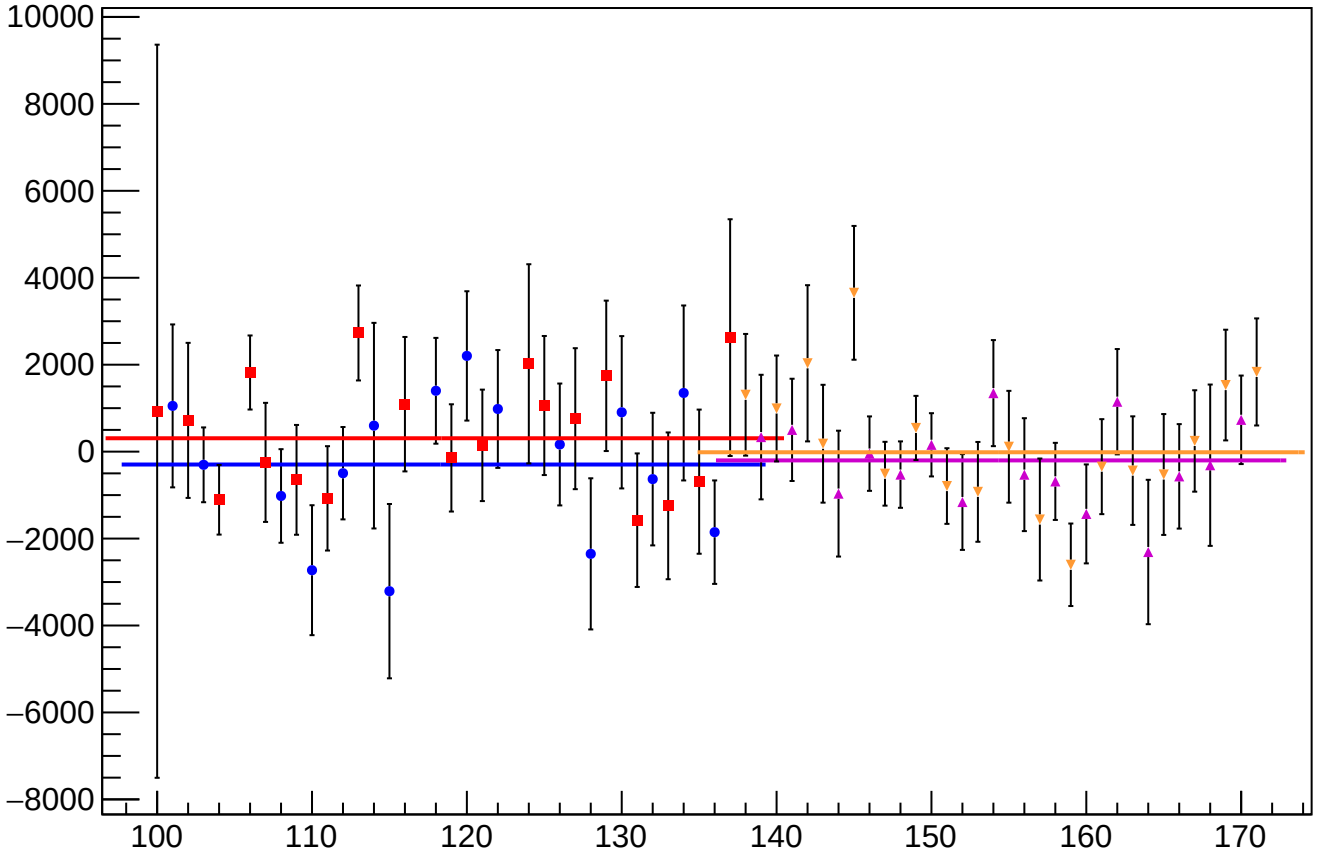
Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

+ sign 1624.633+/-0.250 χ^2/NDF: 674599.4/33

All: 1623.500+/-0.178 χ^2/NDF: 817295.9/68

- sign 1622.334+/-0.253 χ^2/NDF: 142654.7/34

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -14.373+/-262.969 χ^2/NDF:23.8/17

Right Out: 307.671+/-312.976 χ^2/NDF: 18.7/18

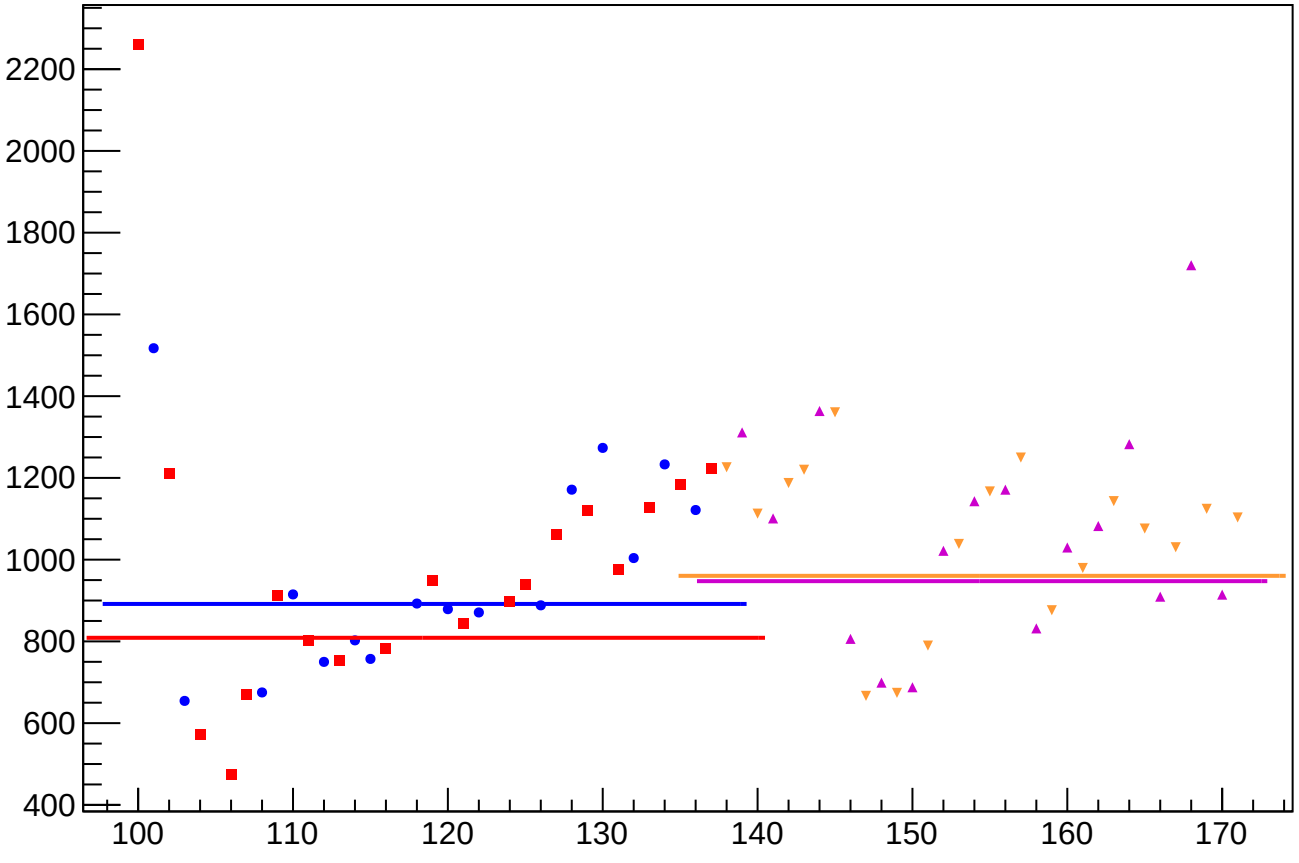
Left In: -201.825+/-269.408 χ^2/NDF:8.9/15

+ sign -118.629+/-208.791 χ^2/NDF: 40.2/33

All: -50.313+/-145.980 χ^2/NDF: 69.6/68

- sign 15.019+/-204.181 χ^2/NDF: 29.1/34

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 960.417+/-0.186 χ^2/NDF:1327740.5/17

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

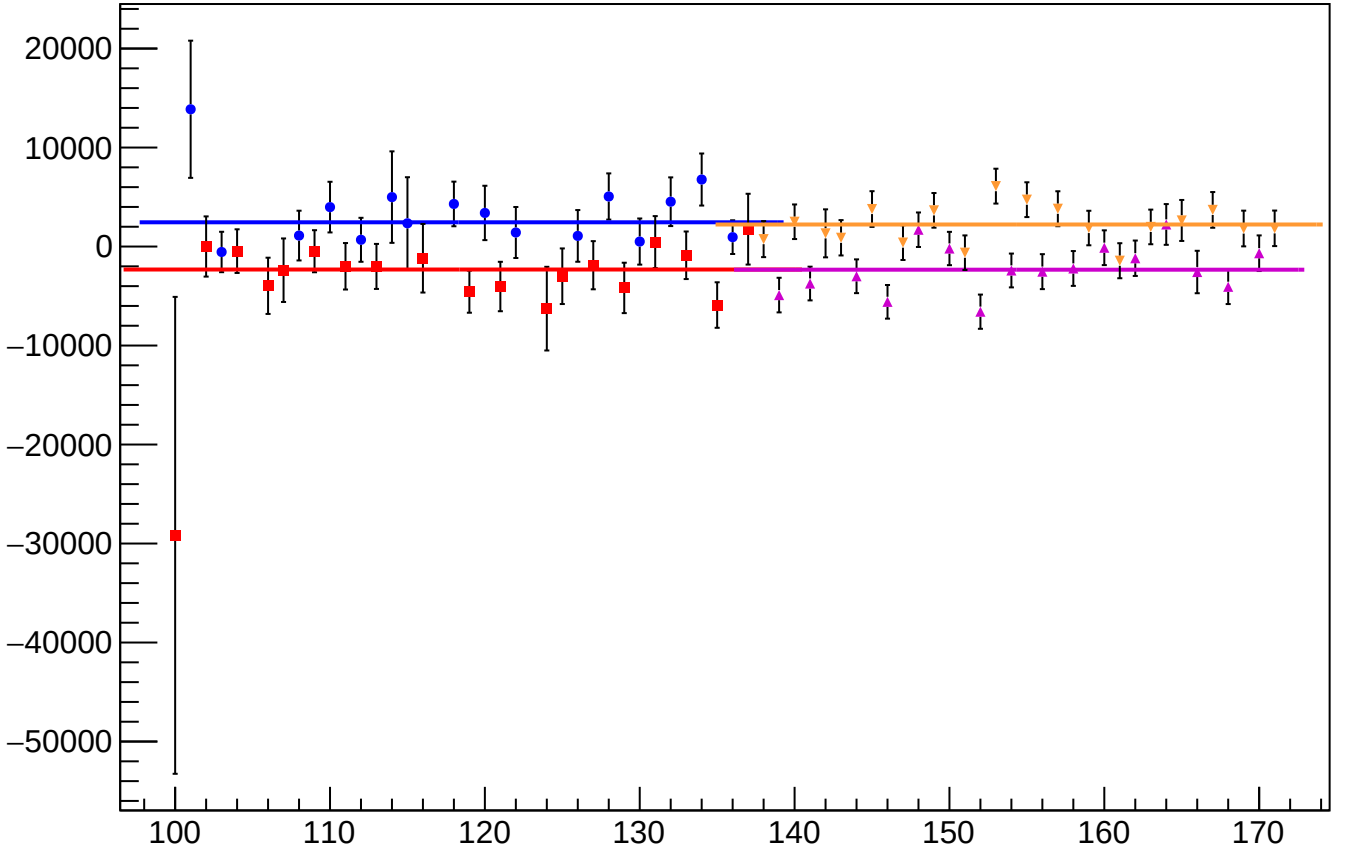
Left In: 947.403+/-0.191 χ^2/NDF:1470292.2/15

\+ sign 934.994+/-0.148 χ^2/NDF: 2172212.0/33

All: 911.186+/-0.103 χ^2/NDF: 5002493.3/68

\- sign 888.417+/-0.144 χ^2/NDF: 2779404.3/34

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2226.818+/-426.343 χ^2/NDF:19.4/17

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

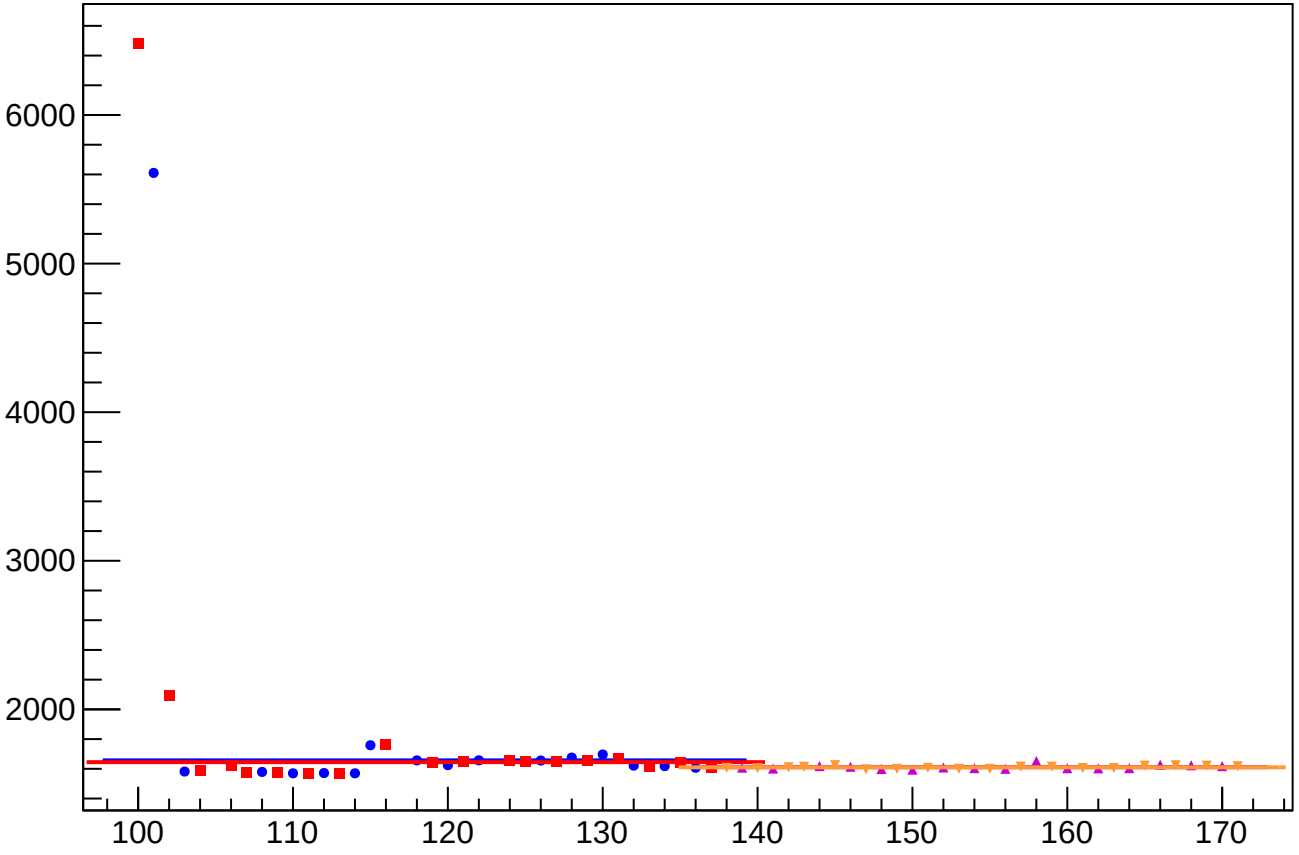
Left In: -2339.062+/-443.105 χ^2/NDF:28.4/15

+ sign 2296.698+/-353.131 χ^2/NDF: 33.3/33

All: 16.513+/-251.555 χ^2/NDF: 158.4/68

- sign -2332.672+/-358.434 χ^2/NDF: 40.5/34

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

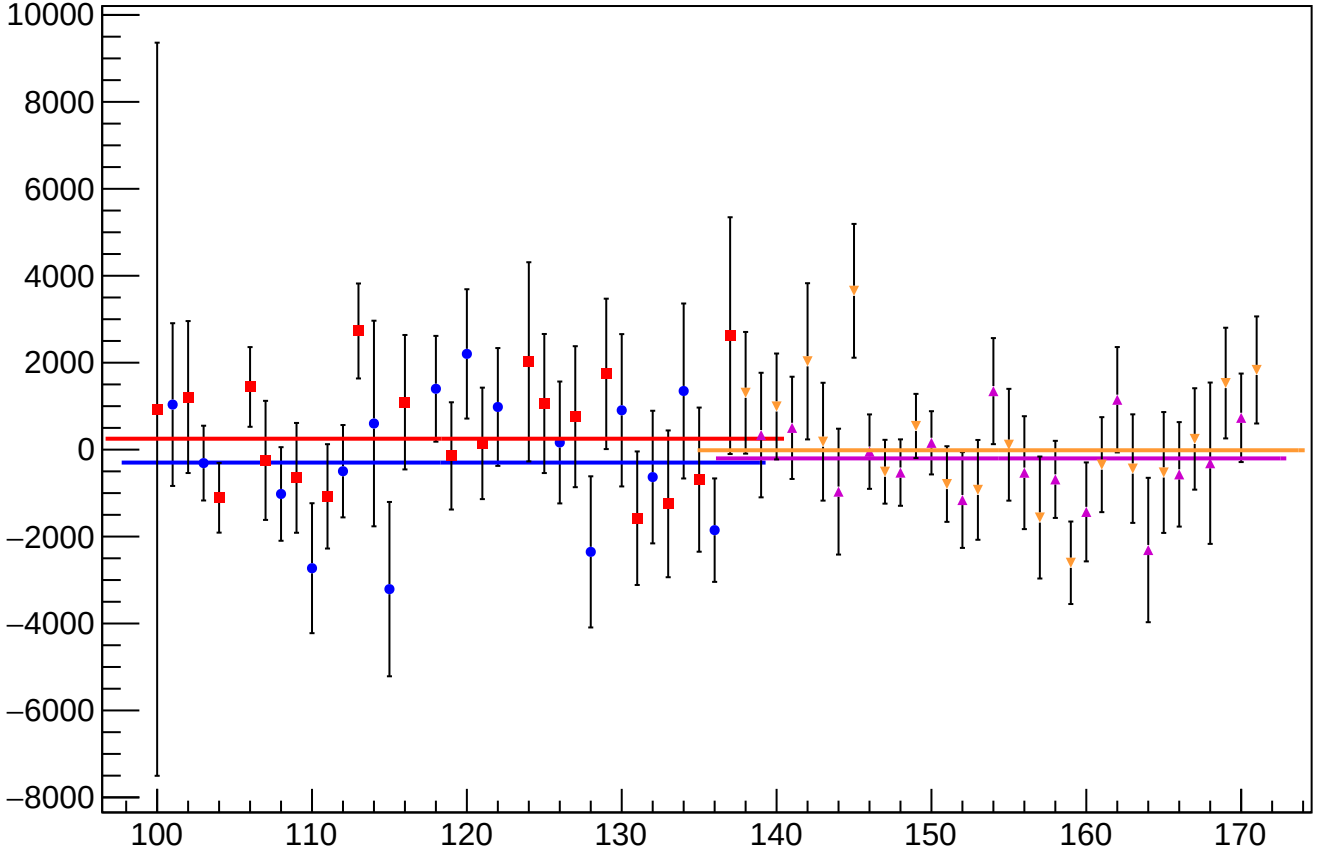
Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

\+ sign 1624.633+/-0.250 χ^2/NDF: 674598.9/33

All: 1623.716+/-0.178 χ^2/NDF: 817064.2/68

\- sign 1622.772+/-0.253 χ^2/NDF: 142437.9/34

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -14.446+/-262.966 χ^2/NDF:23.8/17

Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

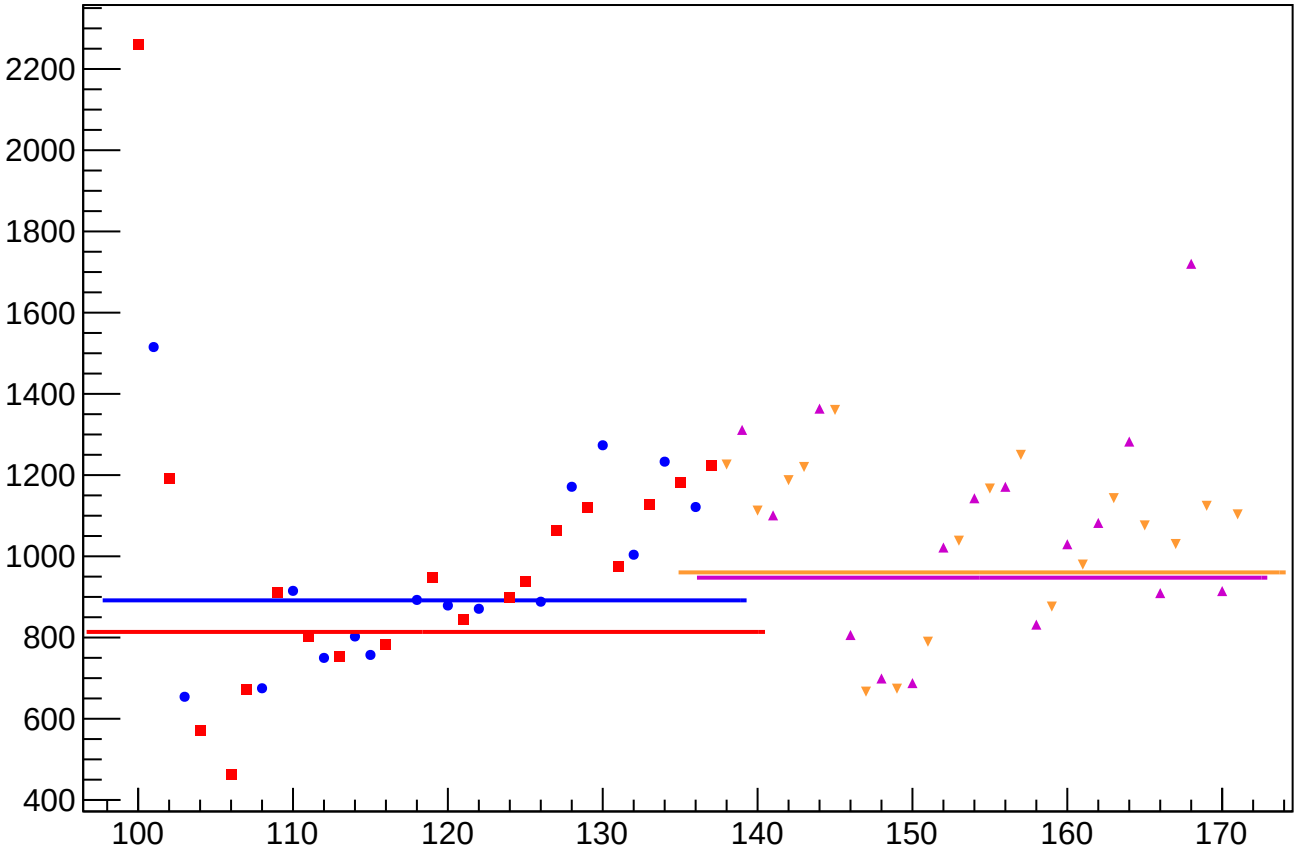
Left In: -201.857+/-269.409 χ^2/NDF:8.9/15

+ sign -119.188+/-208.780 χ^2/NDF: 40.2/33

All: -64.077+/-146.255 χ^2/NDF: 67.7/68

- sign -10.971+/-204.945 χ^2/NDF: 27.4/34

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 960.407+/-0.186 χ^2/NDF:1327833.2/17

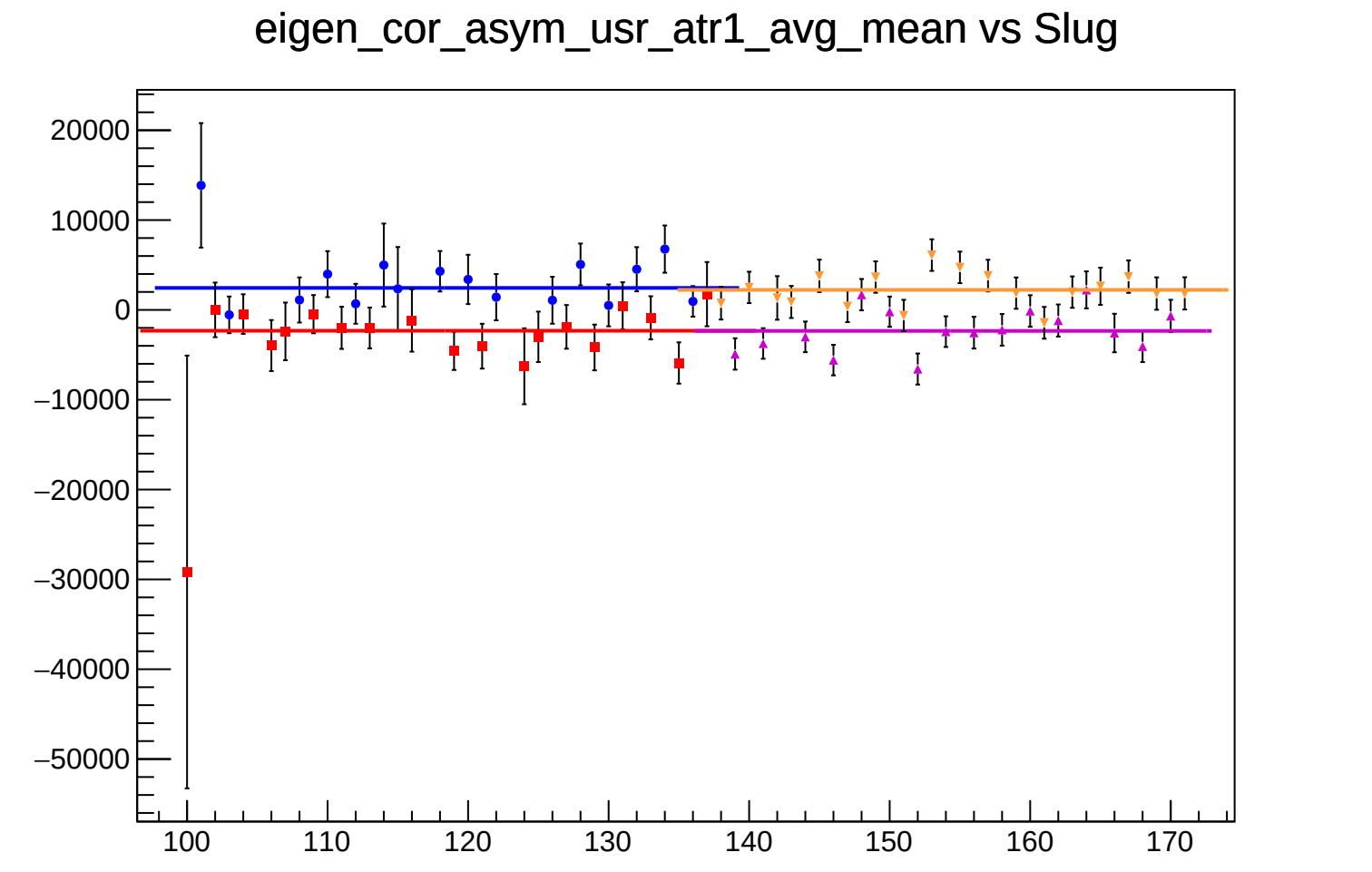
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 947.407+/-0.191 χ^2/NDF:1470242.1/15

+ sign 934.947+/-0.148 χ^2/NDF: 2172205.9/33

All: 912.628+/-0.103 χ^2/NDF: 4947530.0/68

- sign 891.121+/-0.145 χ^2/NDF: 2730443.0/34



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2226.818+/-426.343 χ^2/NDF:19.4/17

Right Out: -2320.575+/-609.657 χ^2/NDF: 12.1/18

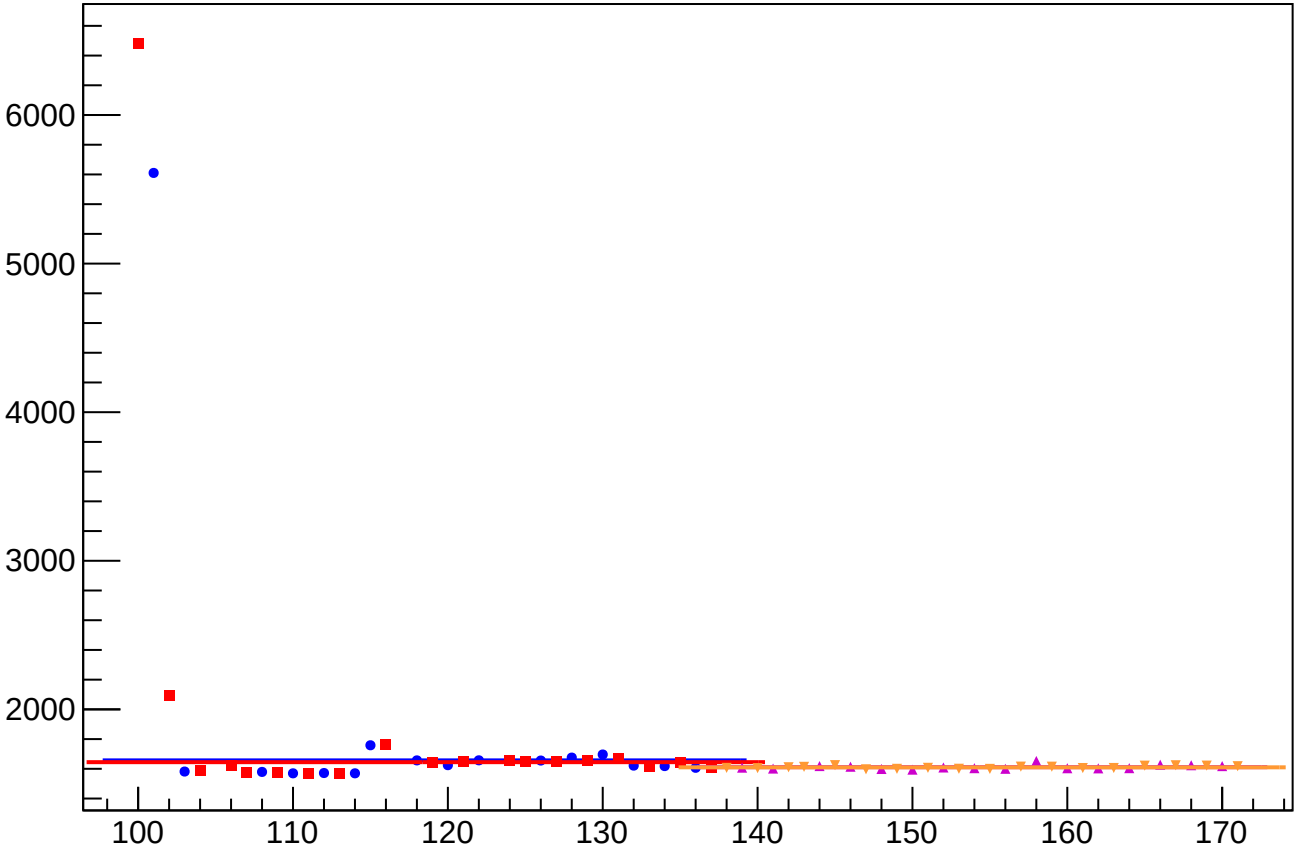
Left In: -2339.062+/-443.105 χ^2/NDF:28.4/15

+ sign 2296.698+/-353.131 χ^2/NDF: 33.3/33

All: 16.513+/-251.555 χ^2/NDF: 158.4/68

- sign -2332.672+/-358.434 χ^2/NDF: 40.5/34

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

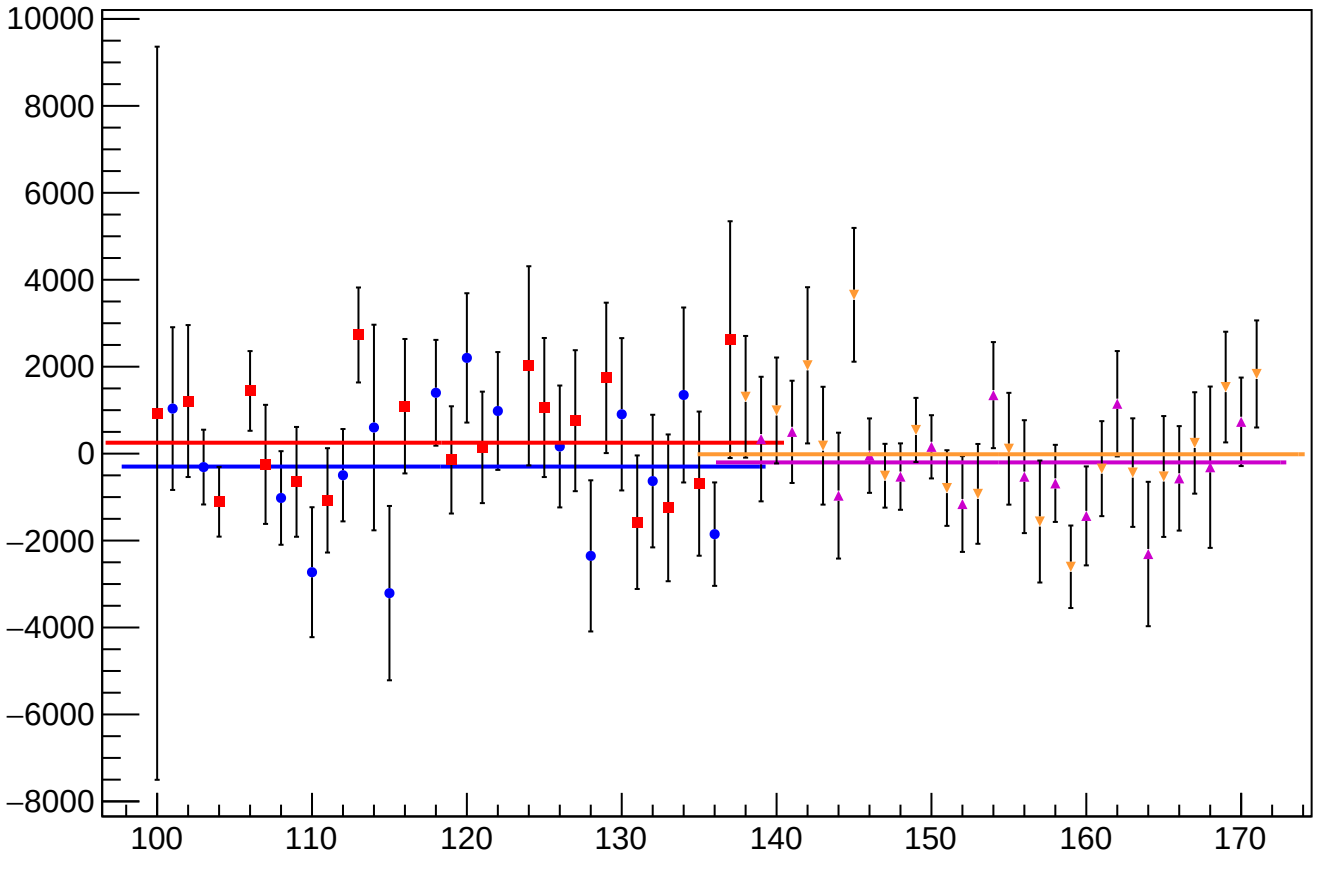
Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.171+/-0.313 χ^2/NDF:1988.9/15

\+ sign 1624.633+/-0.250 χ^2/NDF: 674598.9/33

All: 1623.716+/-0.178 χ^2/NDF: 817064.2/68

\- sign 1622.772+/-0.253 χ^2/NDF: 142437.9/34



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -14.446+/-262.966 χ^2/NDF:23.8/17

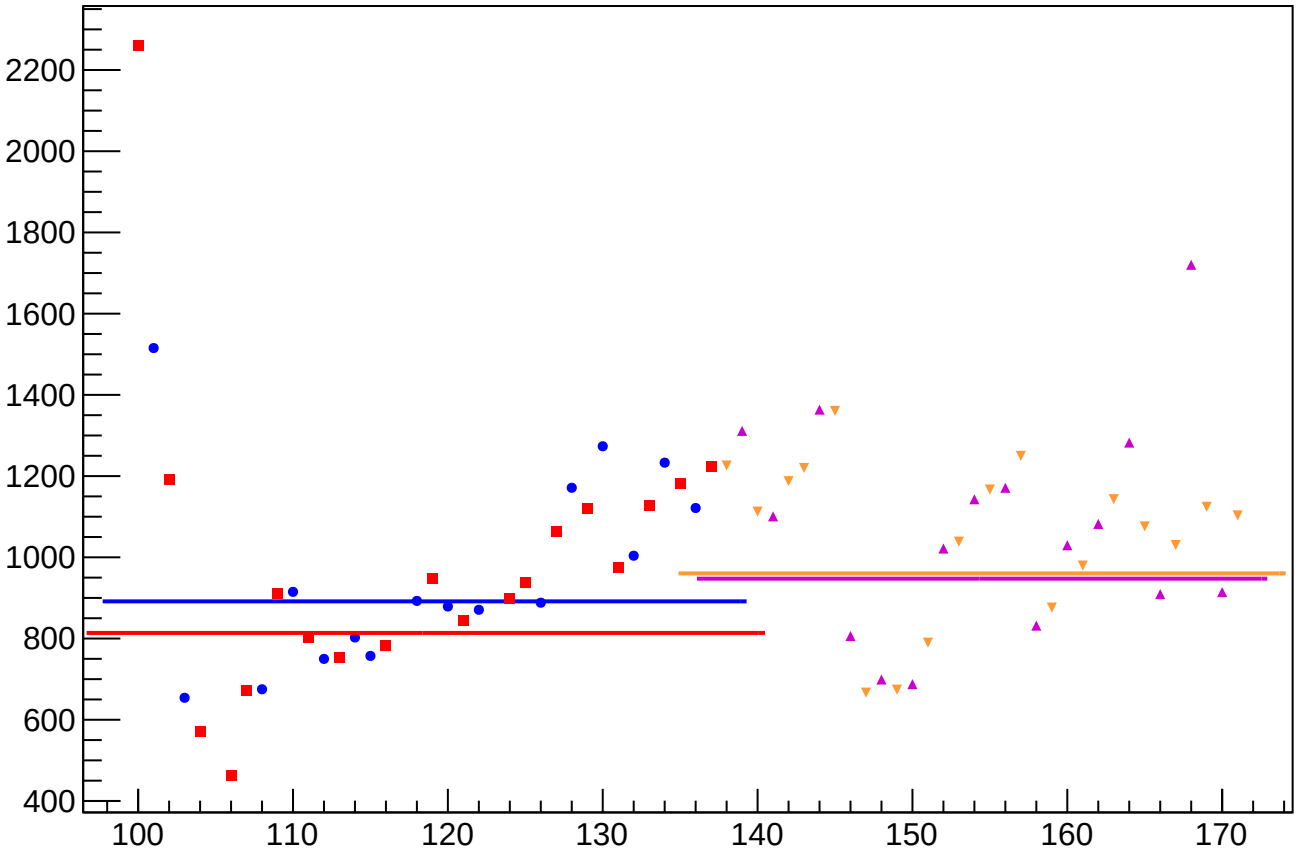
Right Out: 251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -201.857+/-269.409 χ^2/NDF:8.9/15

+ sign -119.188+/-208.780 χ^2/NDF: 40.2/33

All: -64.077+/-146.255 χ^2/NDF: 67.7/68

- sign -10.971+/-204.945 χ^2/NDF: 27.4/34



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 960.407+/-0.186 χ^2/NDF:1327833.2/17

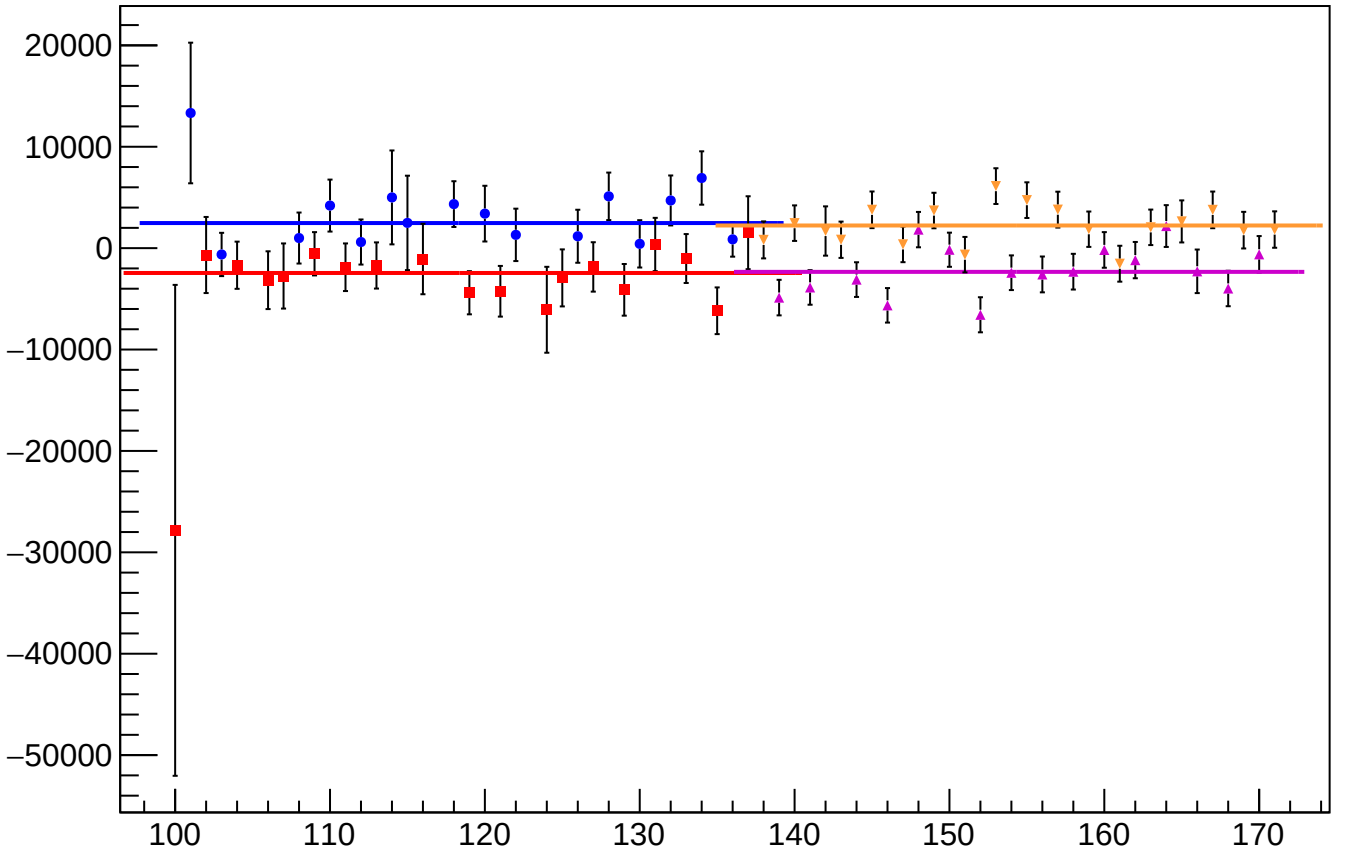
Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 947.407+/-0.191 χ^2/NDF:1470242.1/15

+ sign 934.947+/-0.148 χ^2/NDF: 2172205.9/33

All: 912.628+/-0.103 χ^2/NDF: 4947530.0/68

- sign 891.121+/-0.145 χ^2/NDF: 2730443.0/34



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2234.909+/-426.984 χ^2/NDF:19.7/17

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

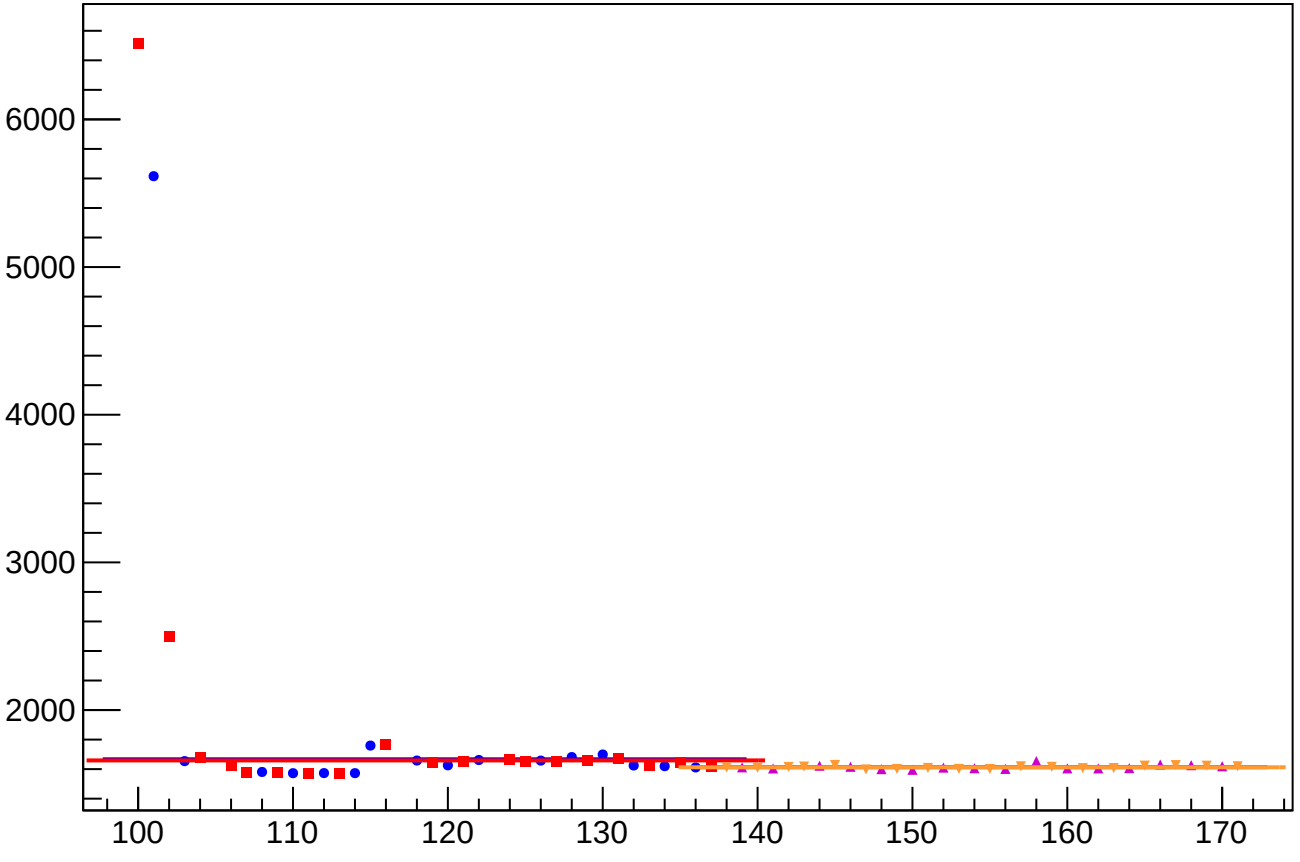
Left In: -2339.281+/-443.678 χ^2/NDF:28.8/15

+ sign 2309.920+/-354.132 χ^2/NDF: 34.0/33

All: 7.232+/-252.569 χ^2/NDF: 159.4/68

- sign -2376.654+/-360.321 χ^2/NDF: 39.4/34

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.379+/-0.302 χ^2/NDF:944.2/17

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

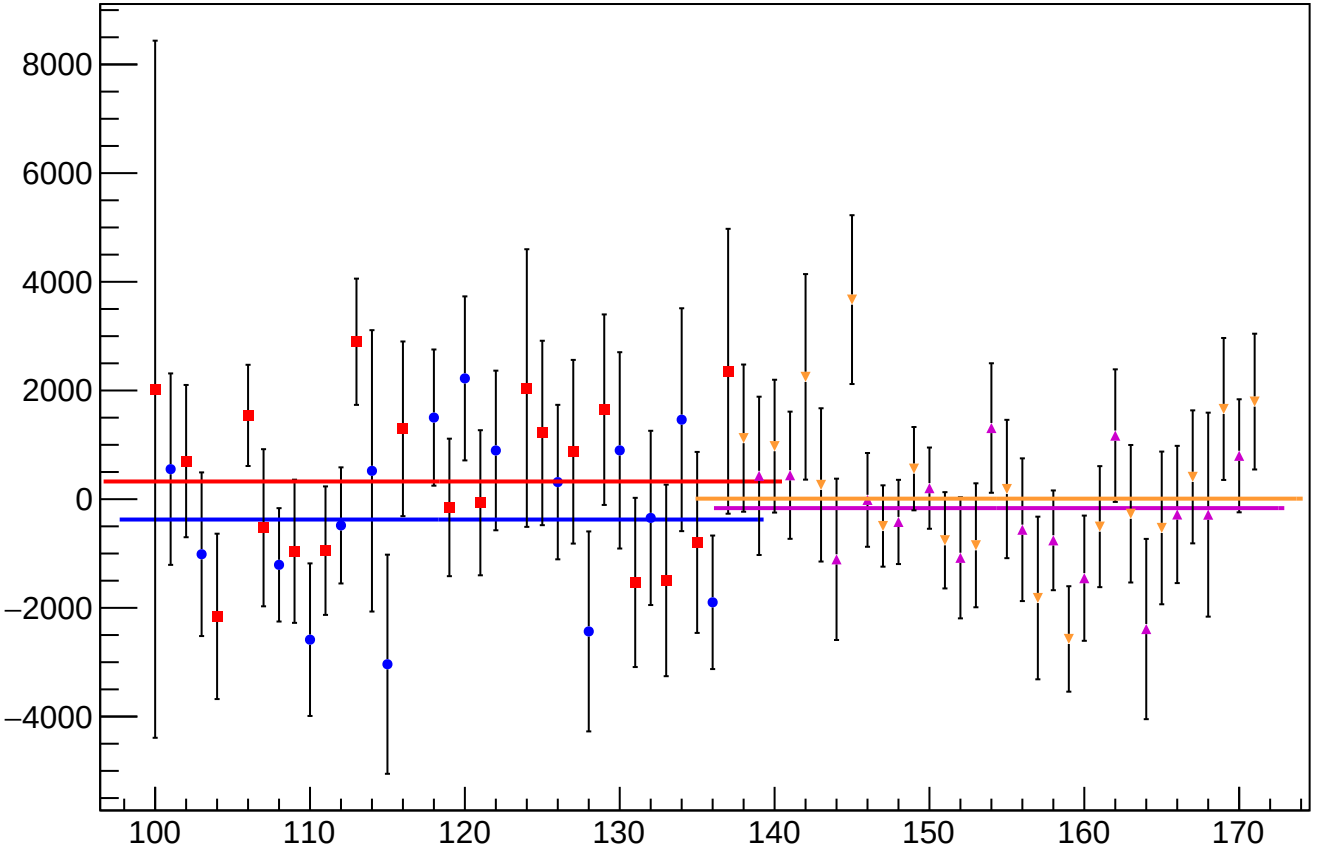
Left In: 1613.244+/-0.314 χ^2/NDF:2063.1/15

+ sign 1629.240+/-0.250 χ^2/NDF: 673851.1/33

All: 1629.035+/-0.179 χ^2/NDF: 876382.8/68

- sign 1628.823+/-0.255 χ^2/NDF: 202530.3/34

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 9.660+/-268.236 χ^2/NDF:23.3/17

Right Out: 325.671+/-340.620 χ^2/NDF: 17.4/18

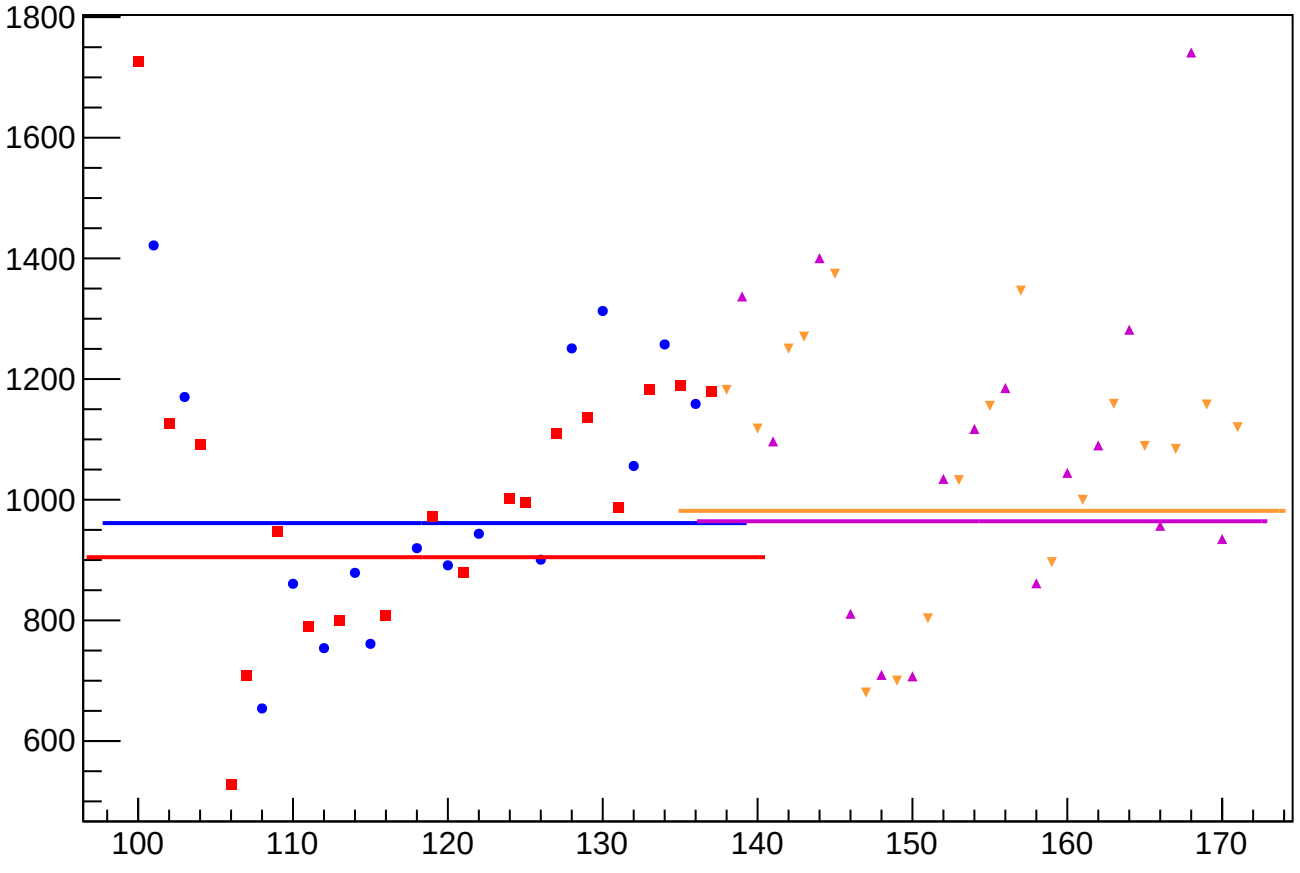
Left In: -164.704+/-273.658 χ^2/NDF:9.0/15

\+ sign -123.686+/-216.752 χ^2/NDF: 39.8/33

All: -46.813+/-152.045 χ^2/NDF: 67.7/68

\- sign 27.656+/-213.336 χ^2/NDF: 27.7/34

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.560+/-0.190 χ^2/NDF:1297717.4/17

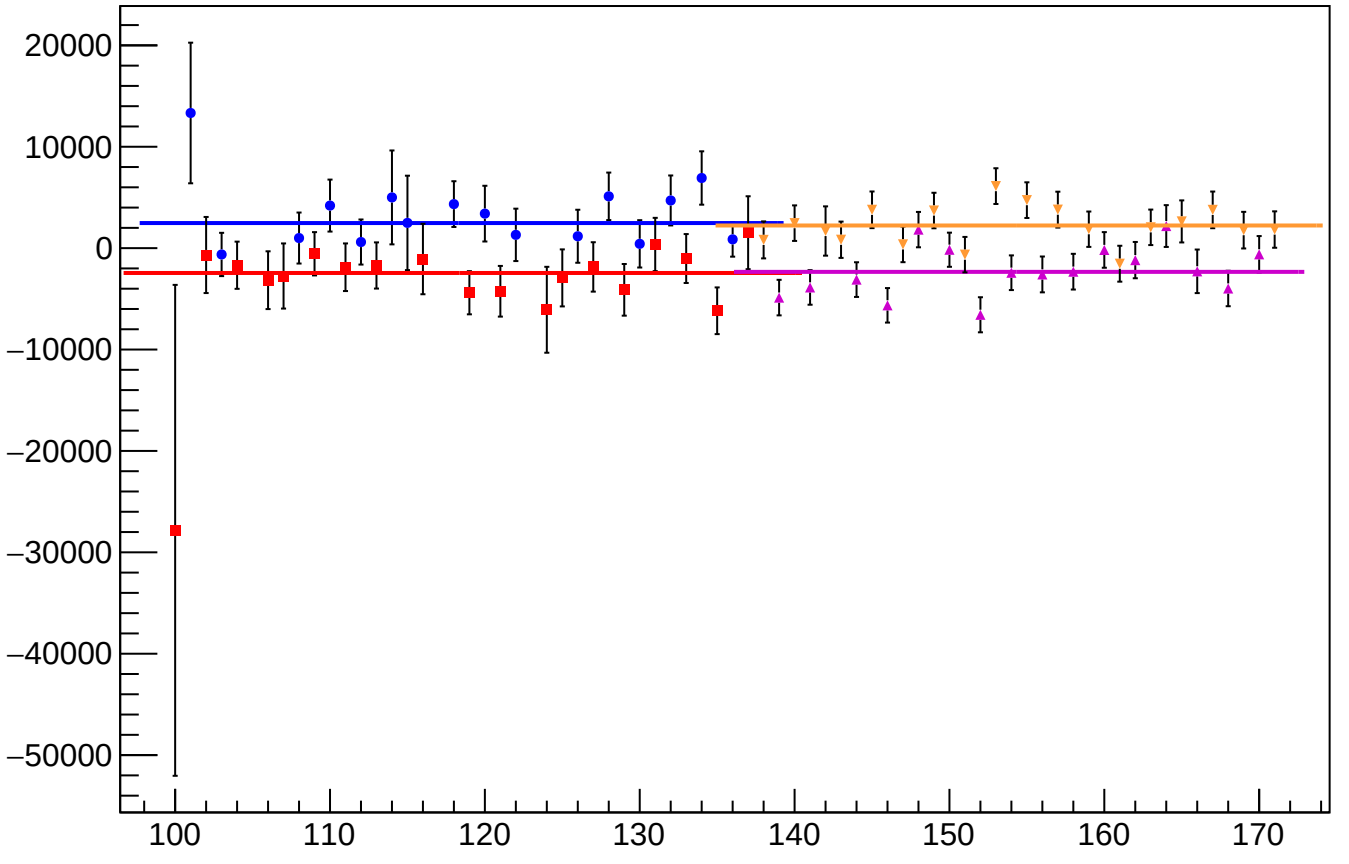
Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 964.298+/-0.194 χ^2/NDF:1415807.9/15

+ sign 974.509+/-0.153 χ^2/NDF: 1993574.8/33

All: 957.455+/-0.108 χ^2/NDF: 4207408.8/68

- sign 940.934+/-0.151 χ^2/NDF: 2189457.6/34



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2234.909+/-426.984 χ^2/NDF:19.7/17

Right Out: -2449.053+/-617.532 χ^2/NDF: 10.6/18

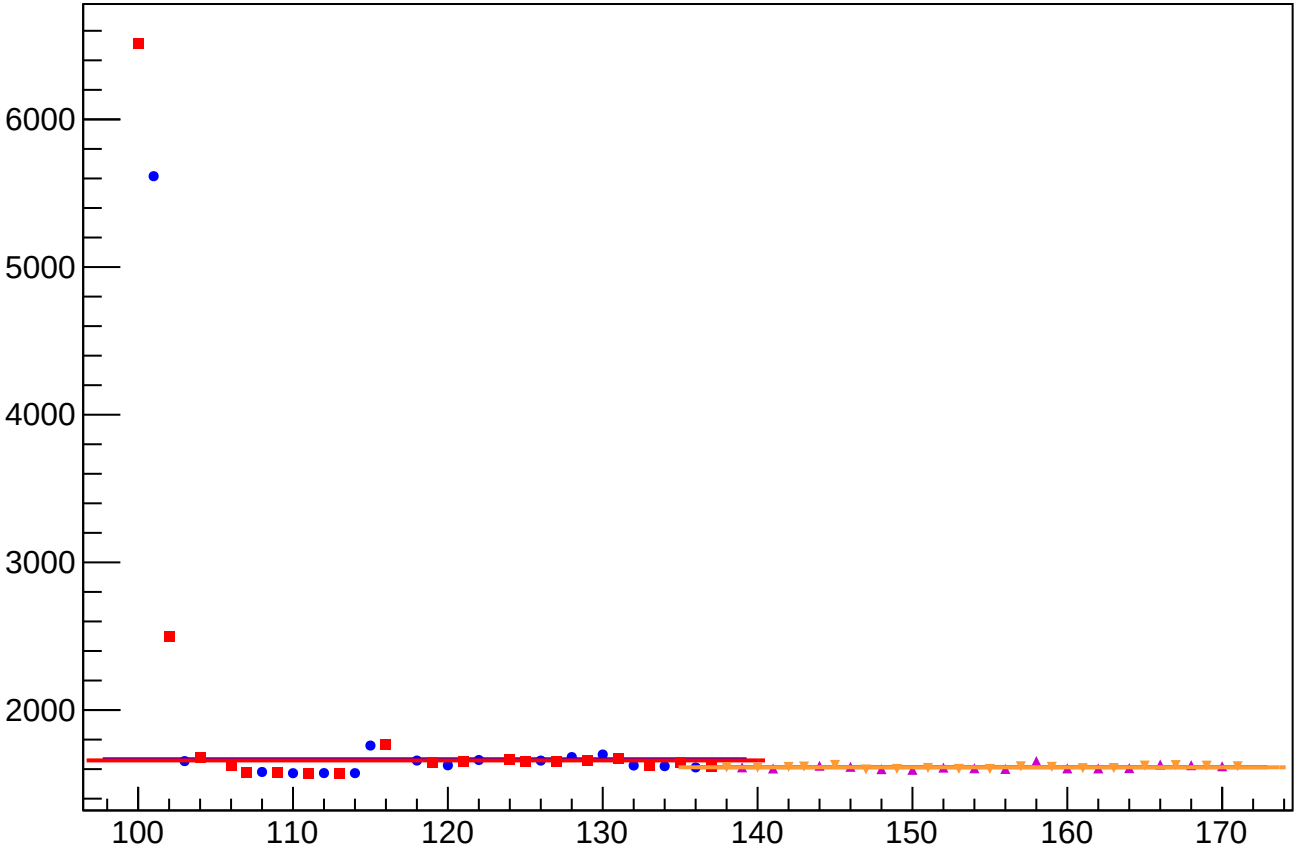
Left In: -2339.282+/-443.678 χ^2/NDF:28.8/15

+ sign 2309.920+/-354.132 χ^2/NDF: 34.0/33

All: 7.232+/-252.569 χ^2/NDF: 159.4/68

- sign -2376.654+/-360.321 χ^2/NDF: 39.4/34

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.379+/-0.302 χ^2/NDF:944.2/17

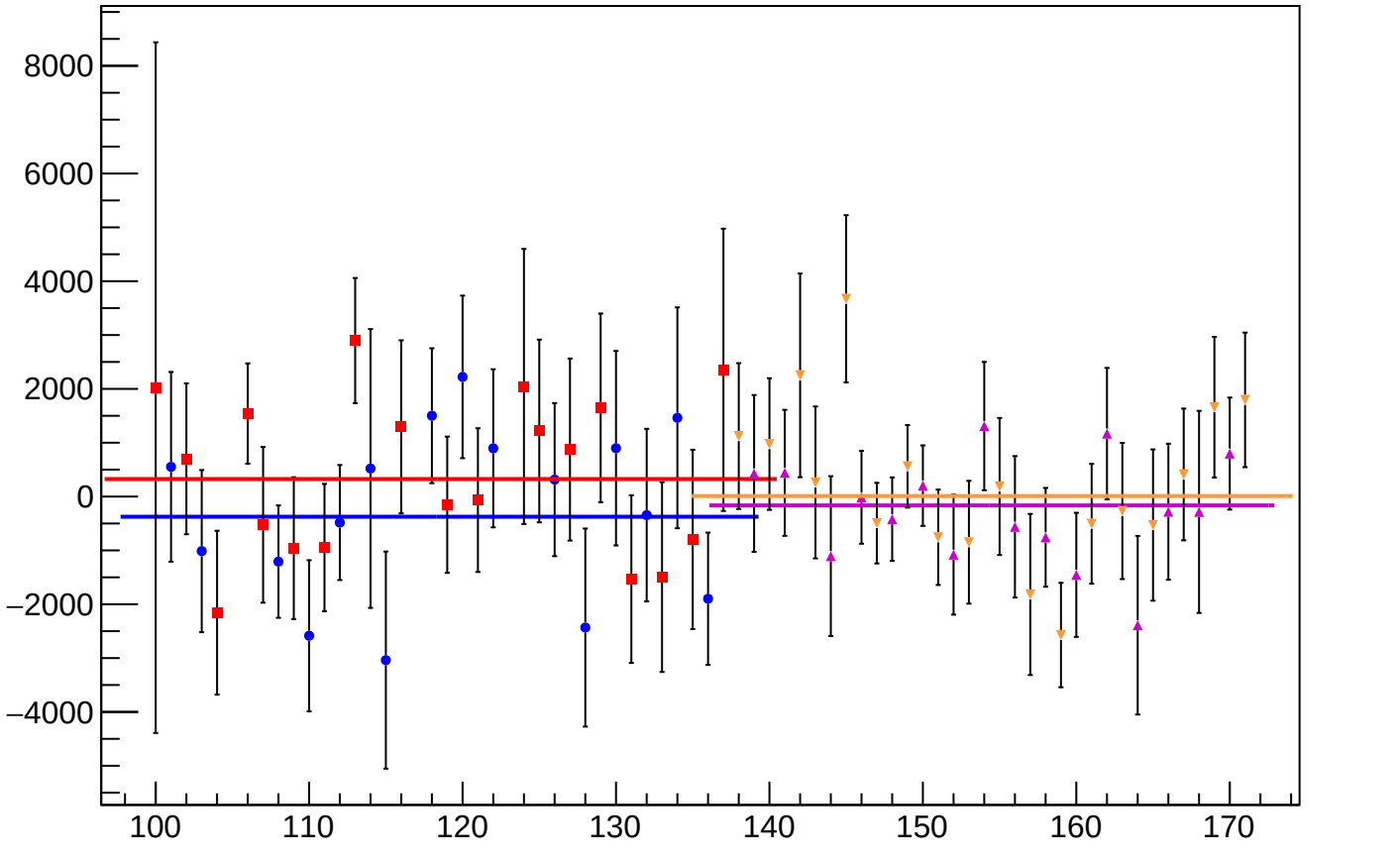
Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.244+/-0.314 χ^2/NDF:2063.1/15

+ sign 1629.240+/-0.250 χ^2/NDF: 673851.1/33

All: 1629.035+/-0.179 χ^2/NDF: 876382.5/68

- sign 1628.823+/-0.255 χ^2/NDF: 202530.0/34



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 9.659+/-268.236 χ^2/NDF:23.3/17

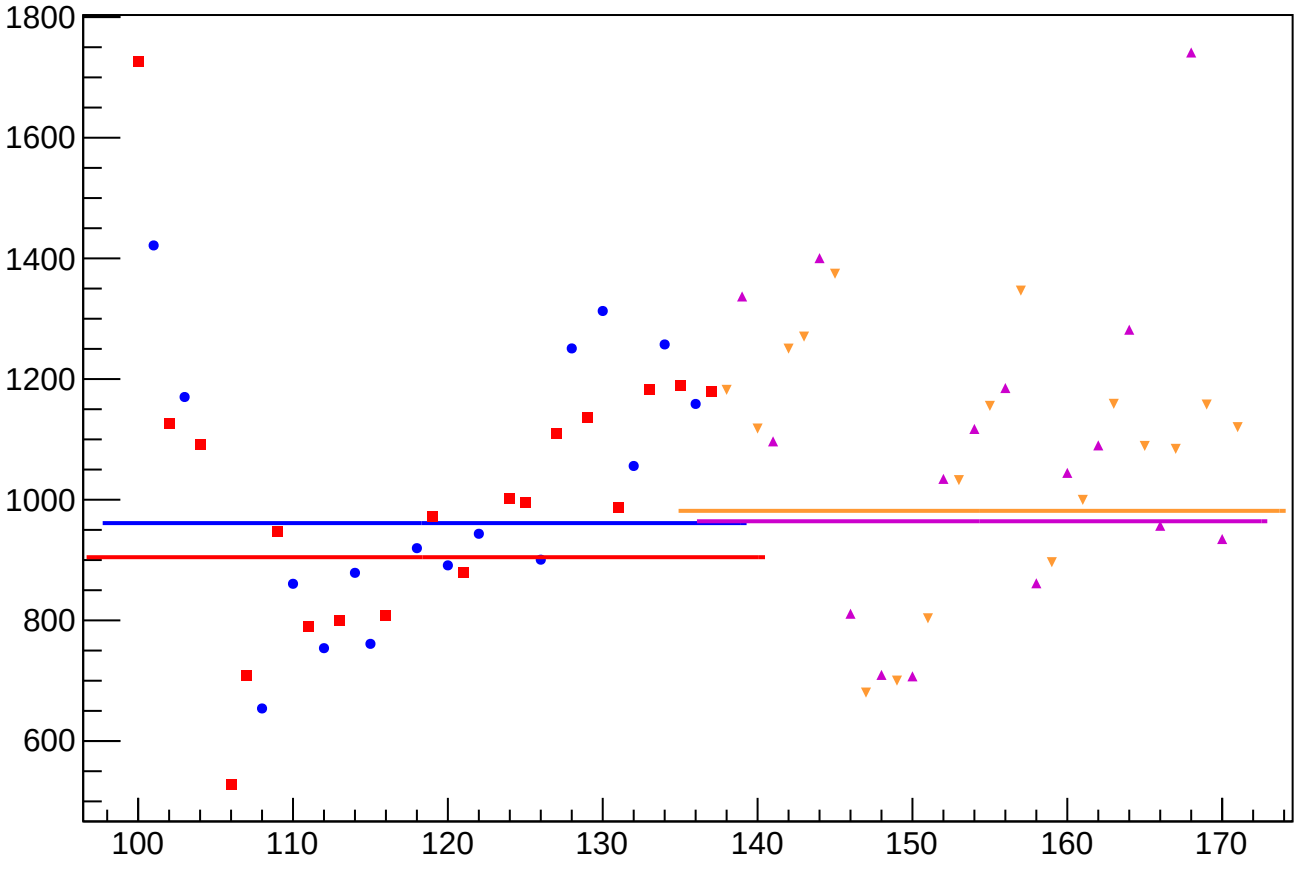
Right Out: 325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -164.705+/-273.659 χ^2/NDF:9.0/15

\+ sign -123.687+/-216.752 χ^2/NDF: 39.8/33

All: -46.813+/-152.045 χ^2/NDF: 67.7/68

\- sign 27.656+/-213.336 χ^2/NDF: 27.7/34



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.562+/-0.190 χ^2/NDF:1297720.9/17

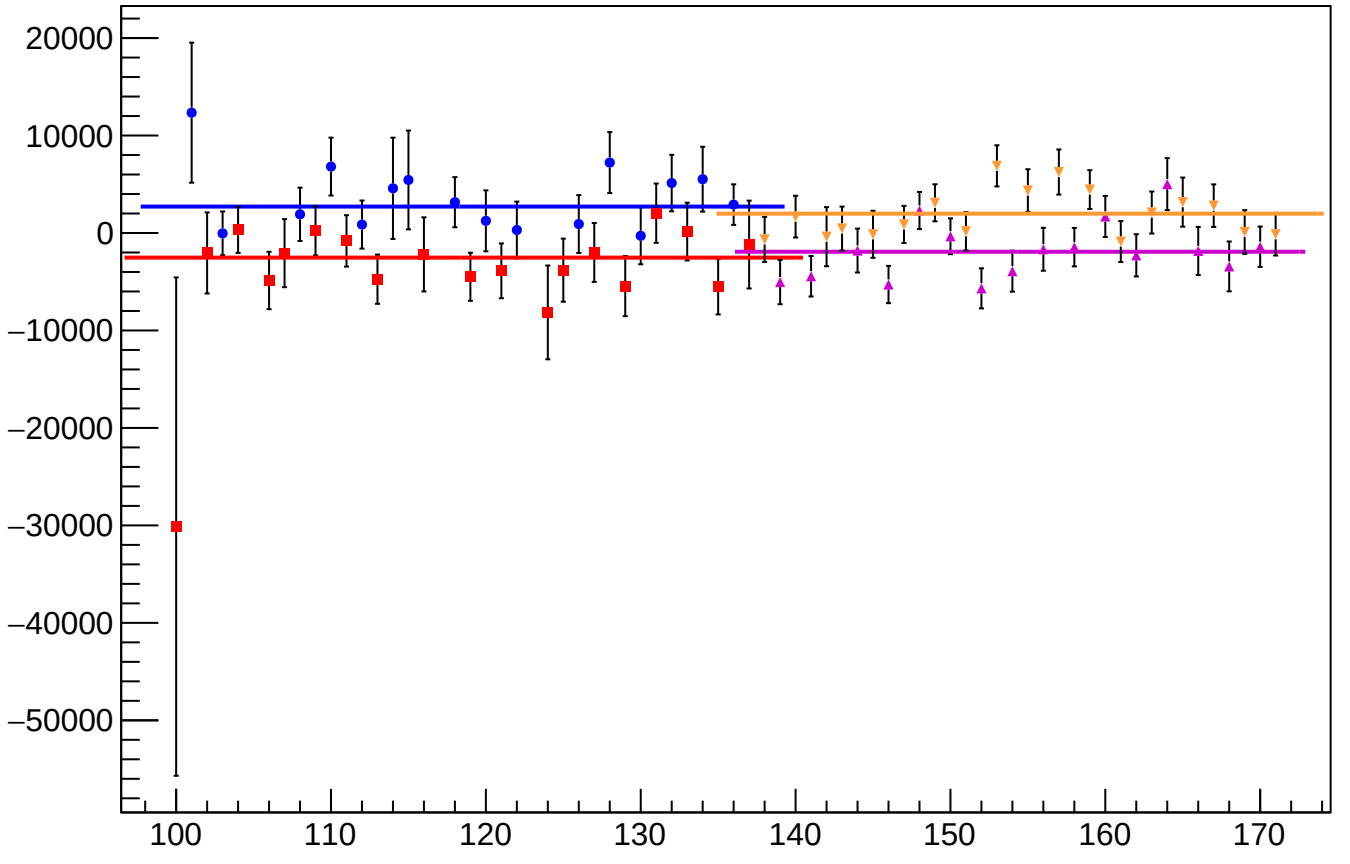
Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 964.300+/-0.194 χ^2/NDF:1415811.3/15

+ sign 974.509+/-0.153 χ^2/NDF: 1993588.6/33

All: 957.455+/-0.108 χ^2/NDF: 4207428.9/68

- sign 940.934+/-0.151 χ^2/NDF: 2189464.1/34



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1983.278+/-514.036 χ^2/NDF:20.1/17

Right Out: -2525.536+/-706.449 χ^2/NDF: 13.2/18

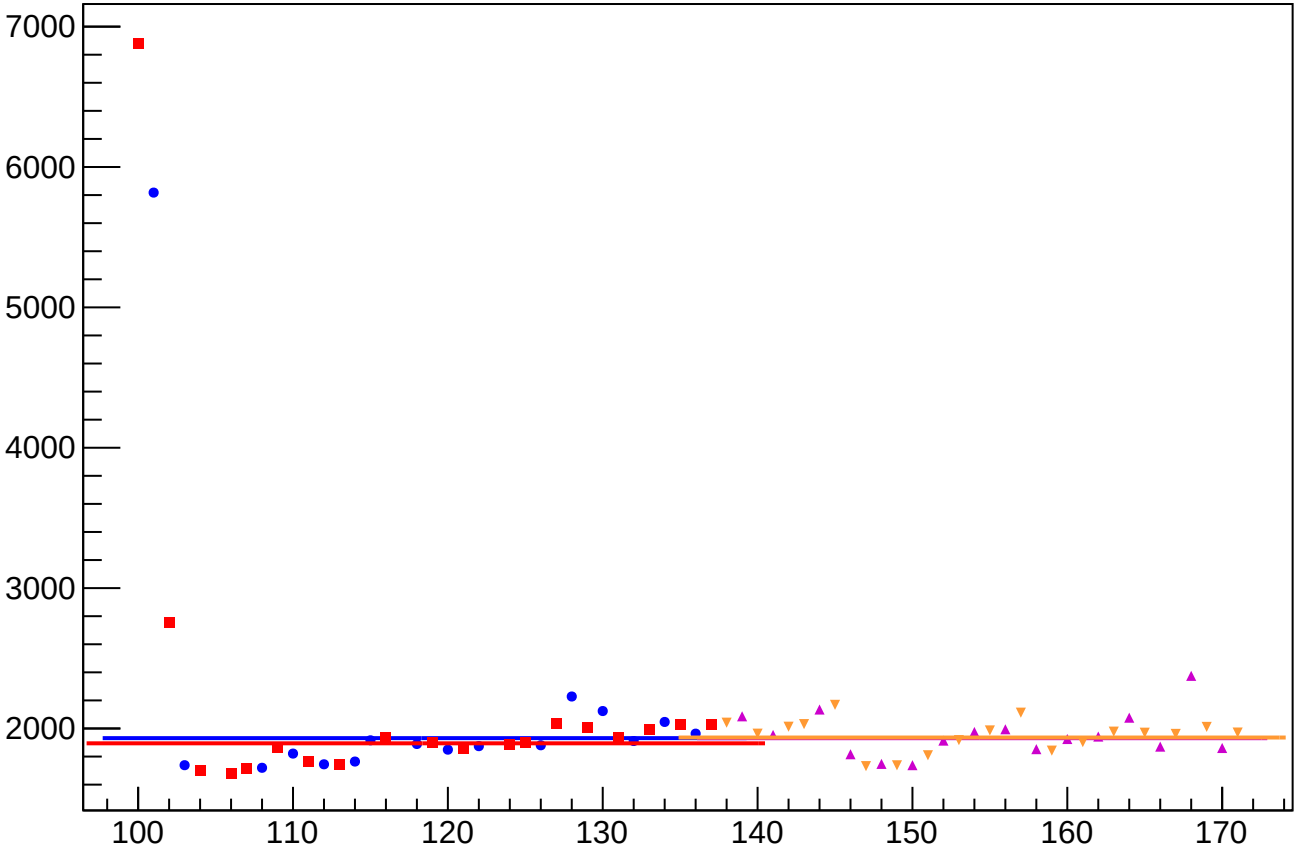
Left In: -1922.616+/-532.790 χ^2/NDF:26.5/15

+ sign 2222.397+/-421.256 χ^2/NDF: 32.9/33

All: 61.830+/-299.319 χ^2/NDF: 126.2/68

- sign -2141.214+/-425.377 χ^2/NDF: 40.3/34

asym_usr_atr1_avg_rms vs Slug



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1935.598+/-0.363 χ^2/NDF:102924.6/17

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

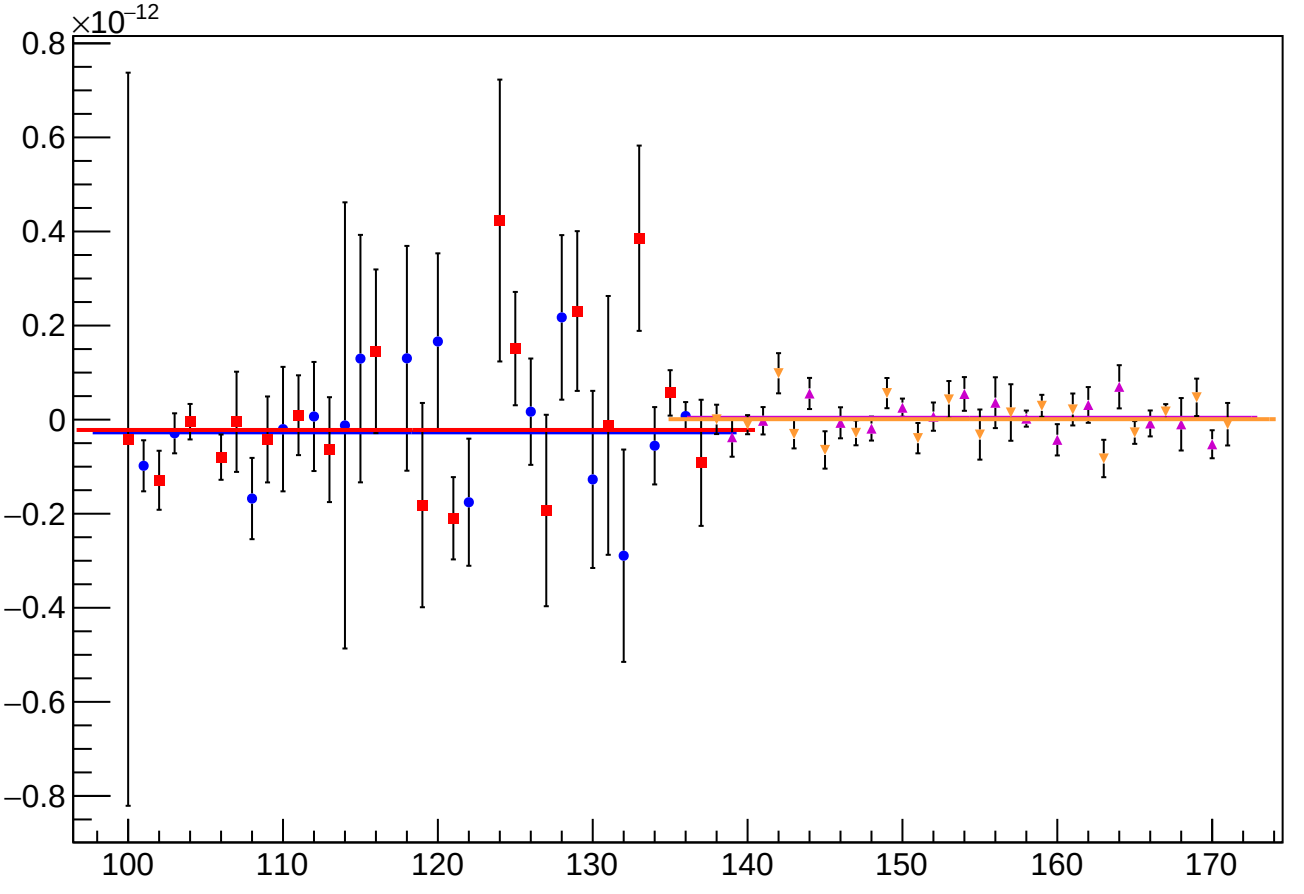
Left In: 1930.813+/-0.377 χ^2/NDF:149337.9/15

+ sign 1934.170+/-0.298 χ^2/NDF: 764198.6/33

All: 1925.962+/-0.212 χ^2/NDF: 1139007.9/68

- sign 1917.592+/-0.301 χ^2/NDF: 373275.6/34

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:26.7/17

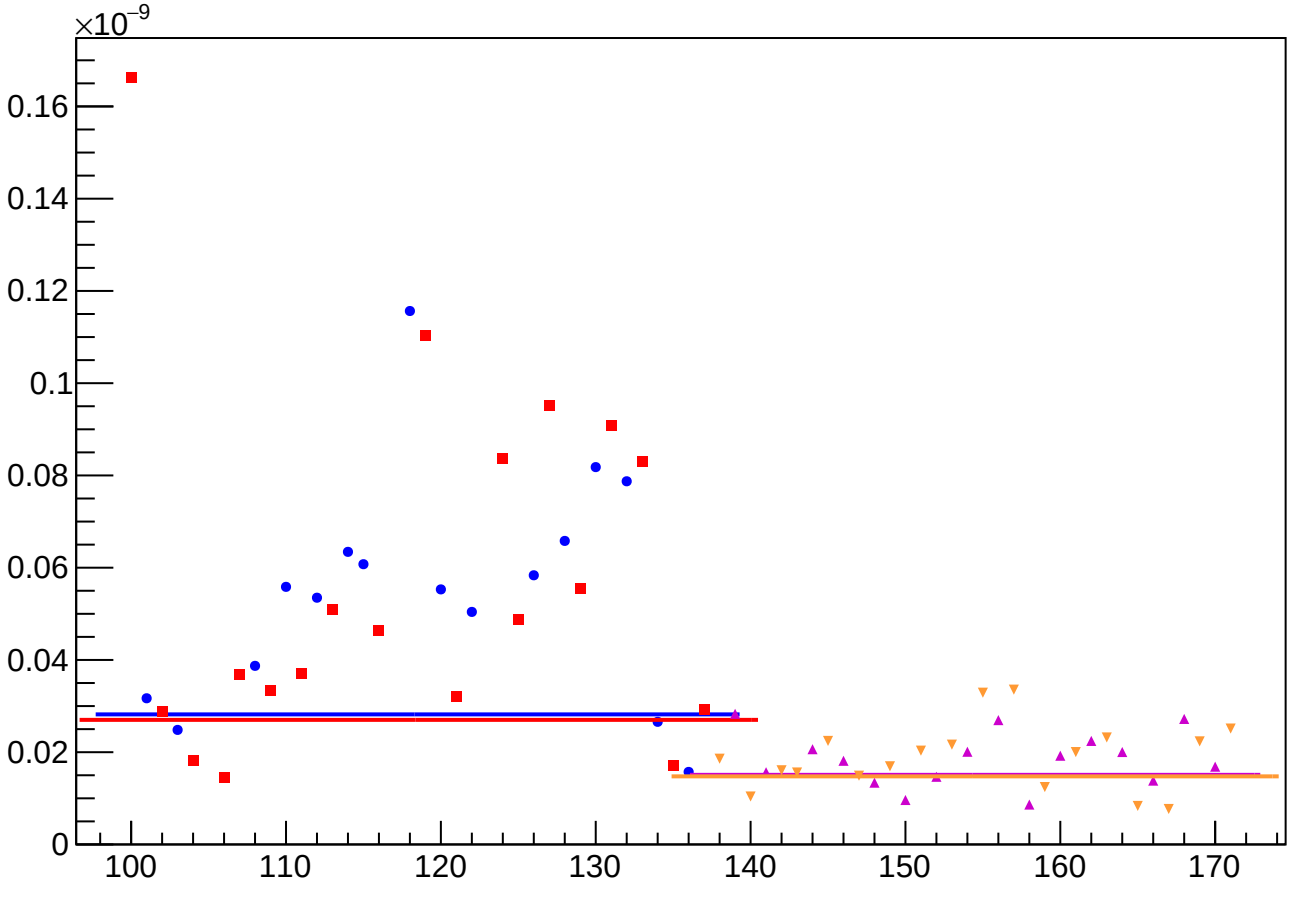
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/33

All: -0.000+/-0.000 χ^2/NDF: 84.8/68

- sign 0.000+/-0.000 χ^2/NDF: 43.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1632840.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

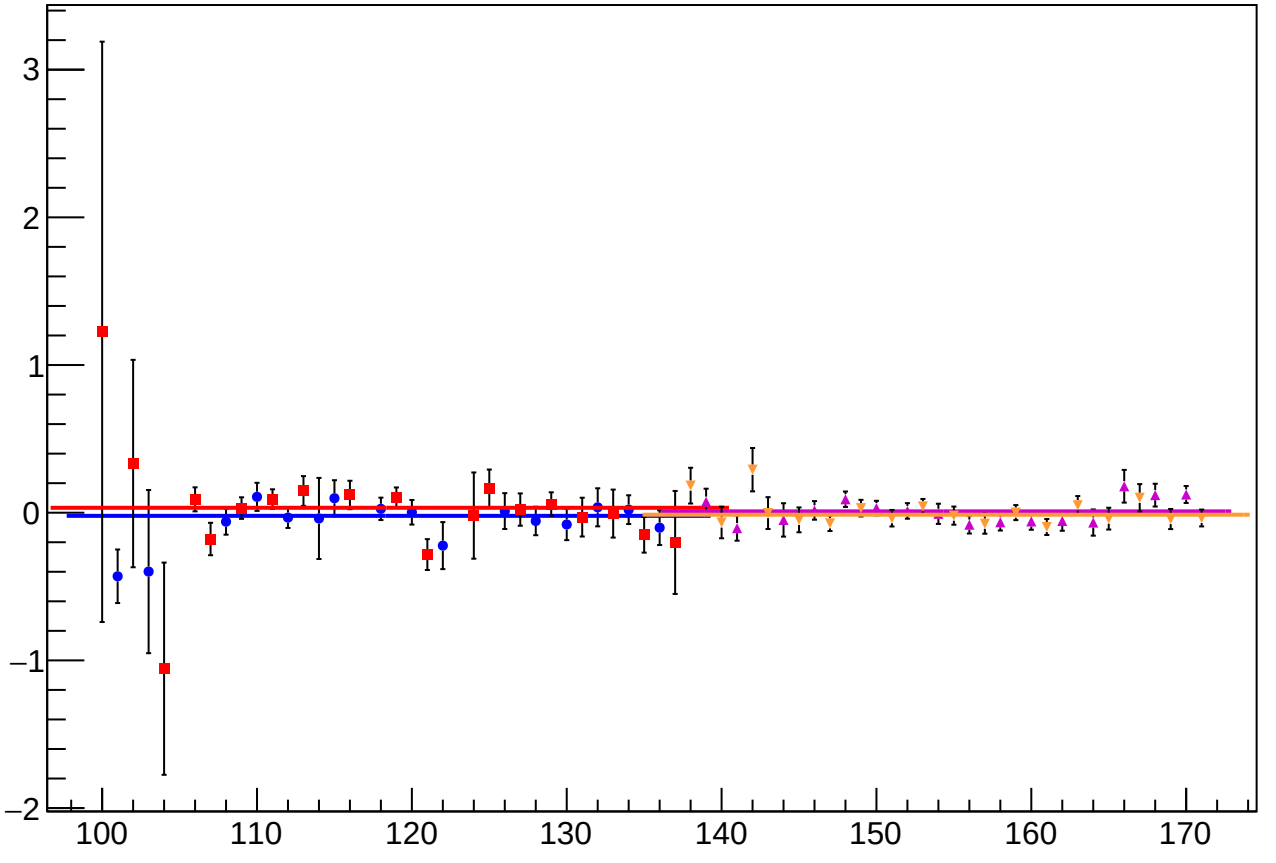
Left In: 0.000+/-0.000 χ^2/NDF:1098507.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 3990963.4/33

All: 0.000+/-0.000 χ^2/NDF: 7308129.6/68

- sign 0.000+/-0.000 χ^2/NDF: 3315585.6/34

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: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

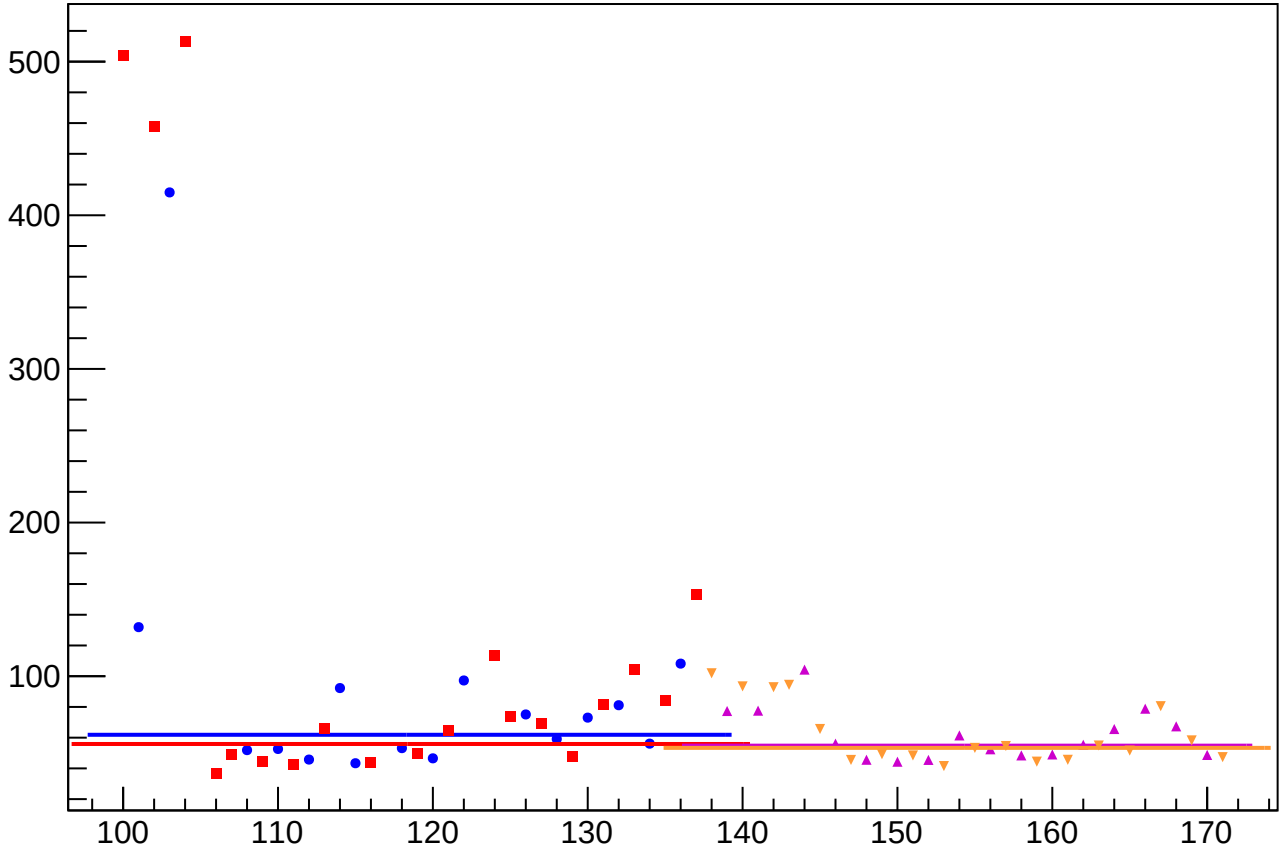
Left In: 0.009+/-0.016 χ^2/NDF:20.8/15

+ sign -0.016+/-0.013 χ^2/NDF: 29.1/33

All: 0.000+/-0.010 χ^2/NDF: 77.7/68

- sign 0.016+/-0.014 χ^2/NDF: 45.8/34

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: 53.356+/-0.011 χ^2/NDF:1570065.6/17

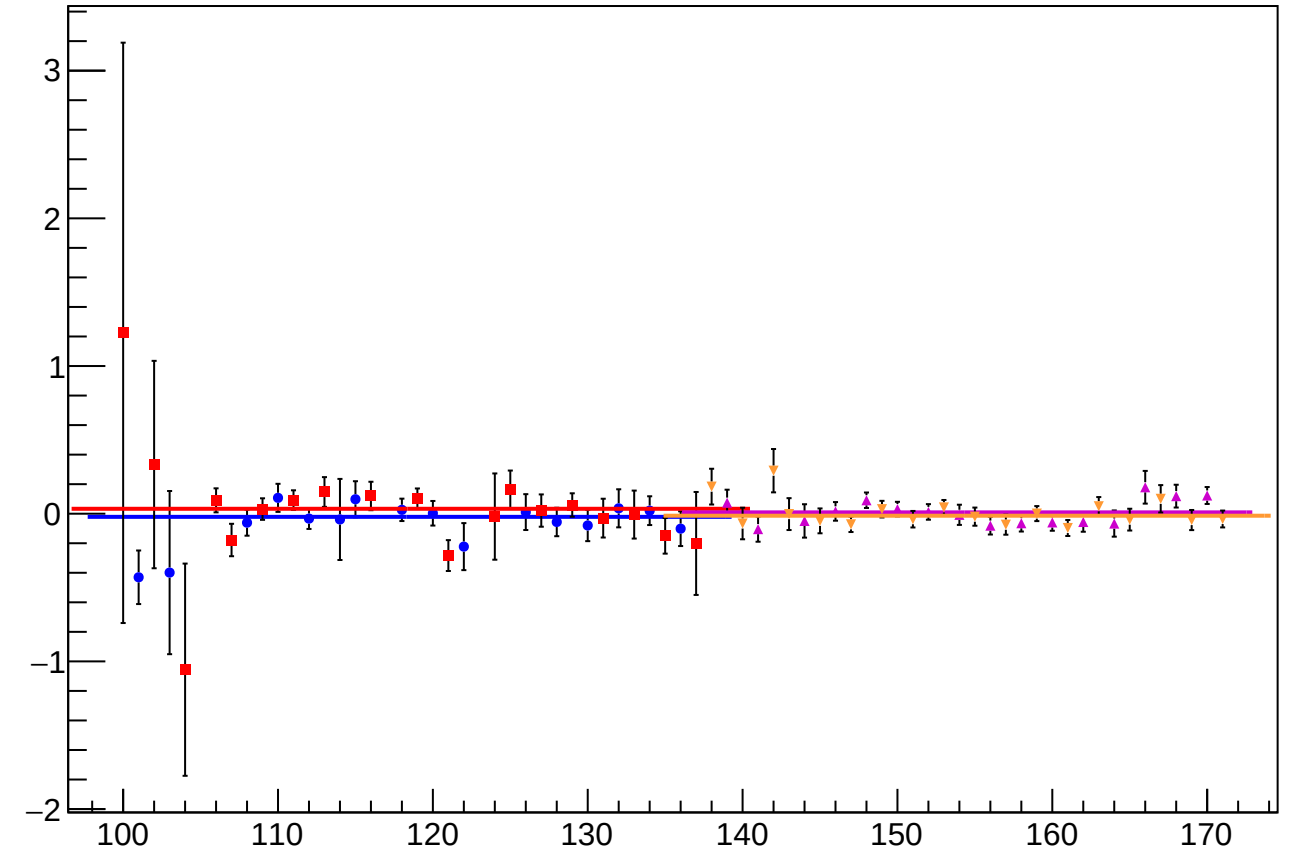
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.801+/-0.012 χ^2/NDF:1139552.7/15

+ sign 55.539+/-0.010 χ^2/NDF: 3661148.1/33

All: 55.338+/-0.007 χ^2/NDF: 7395587.7/68

- sign 55.133+/-0.010 χ^2/NDF: 3733538.8/34



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

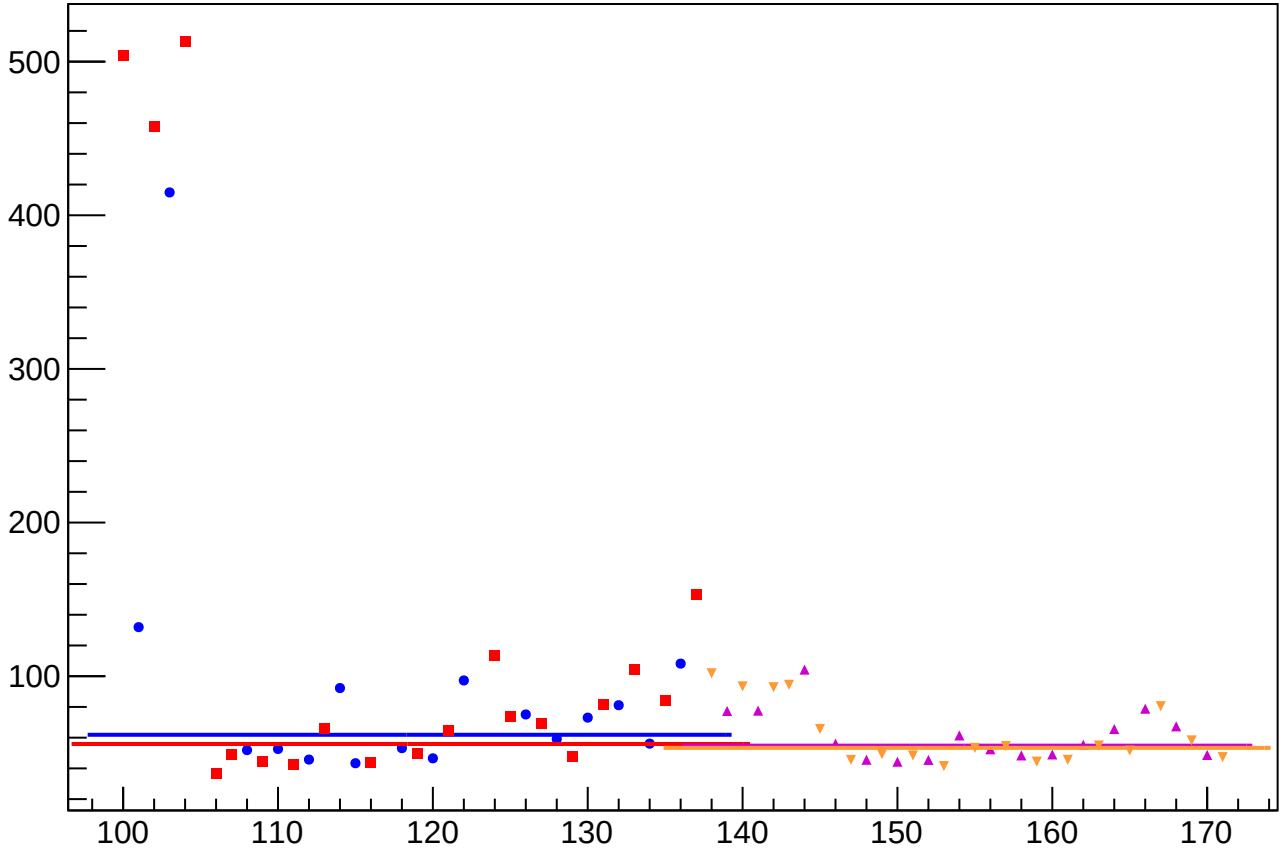
Left In: 0.009+/-0.016 χ^2/NDF:20.8/15

+ sign -0.016+/-0.013 χ^2/NDF: 29.1/33

All: 0.000+/-0.010 χ^2/NDF: 77.7/68

- sign 0.016+/-0.014 χ^2/NDF: 45.8/34

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: 53.356+/-0.011 χ^2/NDF:1570065.6/17

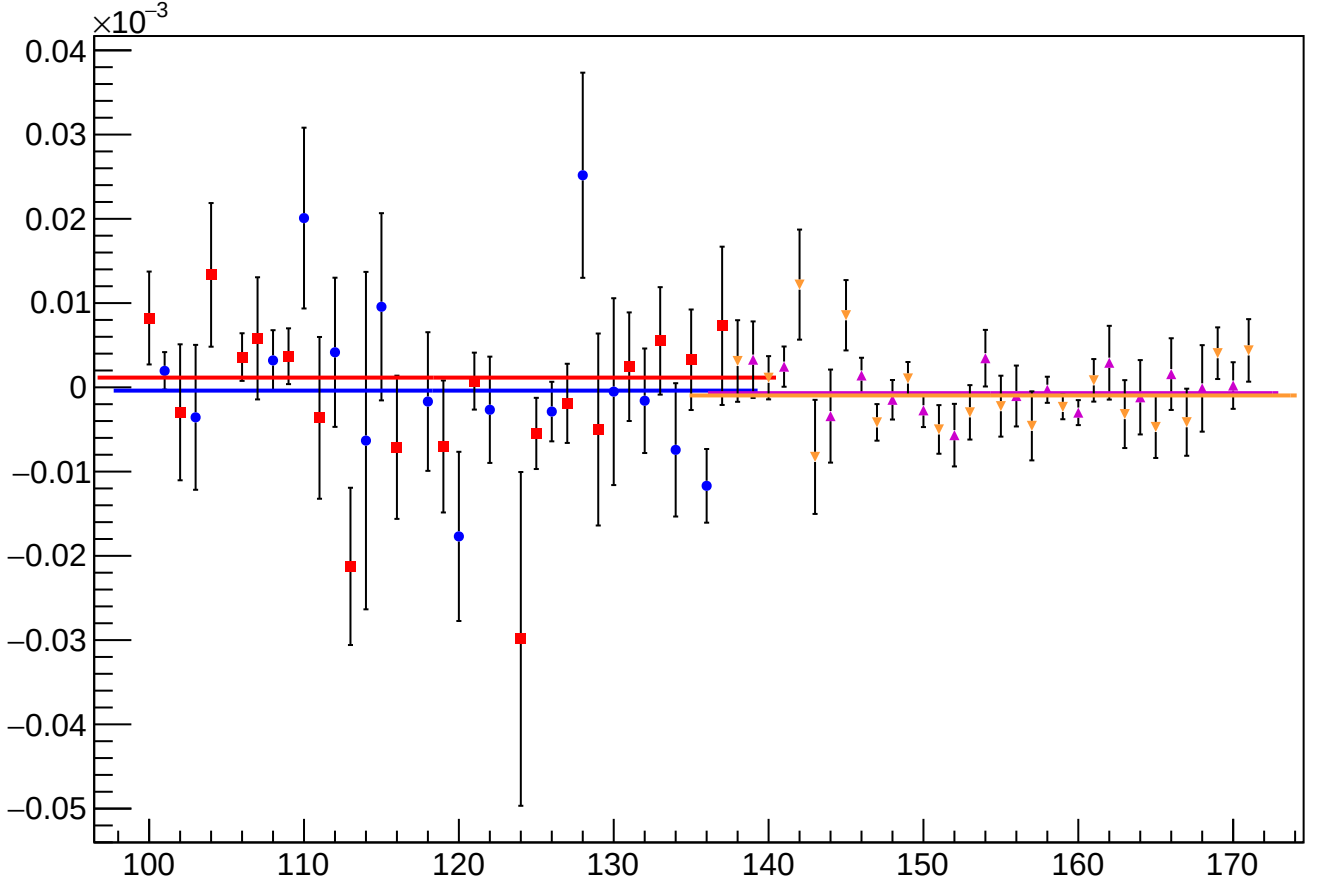
Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.801+/-0.012 χ^2/NDF:1139552.7/15

+ sign 55.539+/-0.010 χ^2/NDF: 3661148.1/33

All: 55.338+/-0.007 χ^2/NDF: 7395587.7/68

- sign 55.133+/-0.010 χ^2/NDF: 3733538.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/17

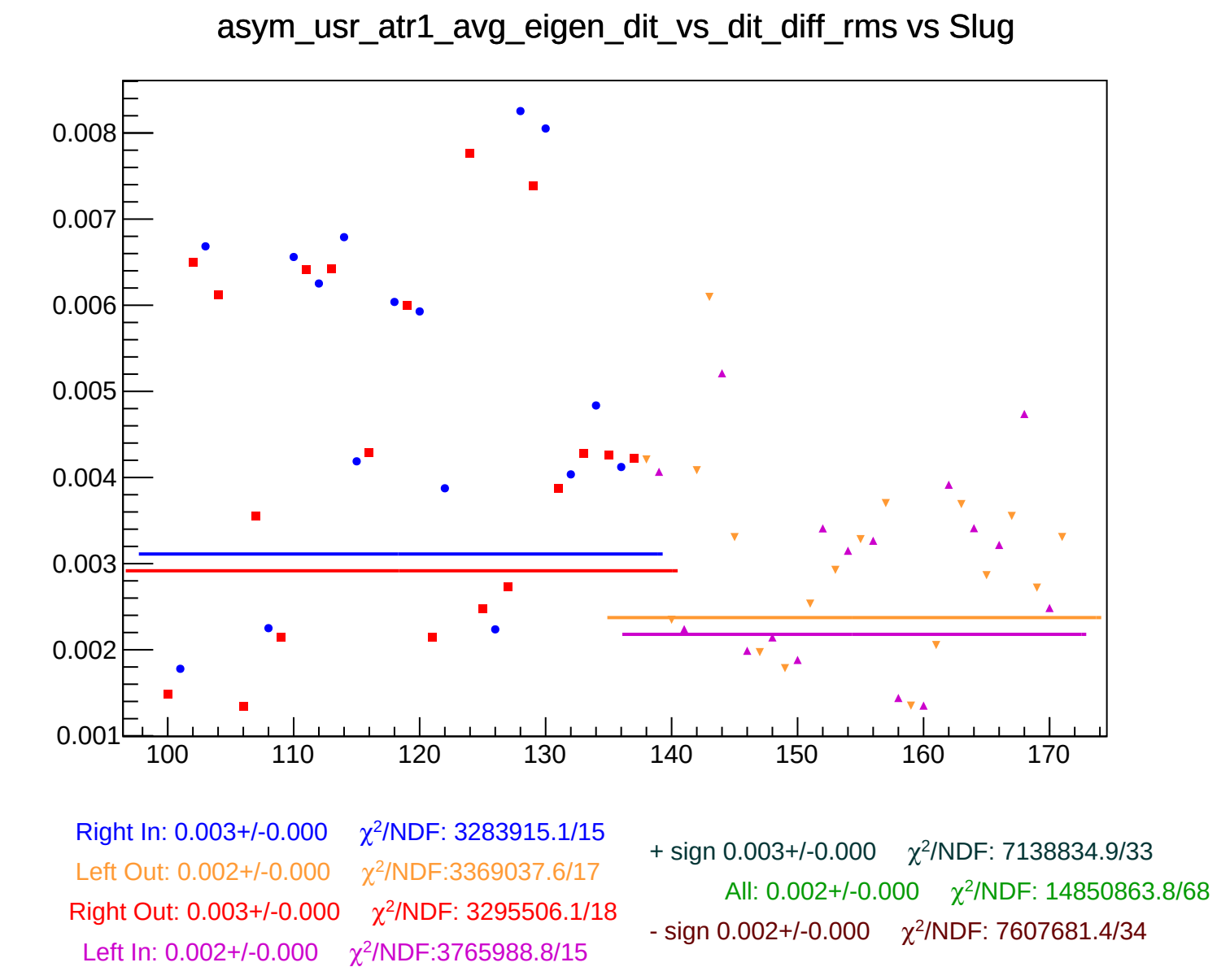
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/15

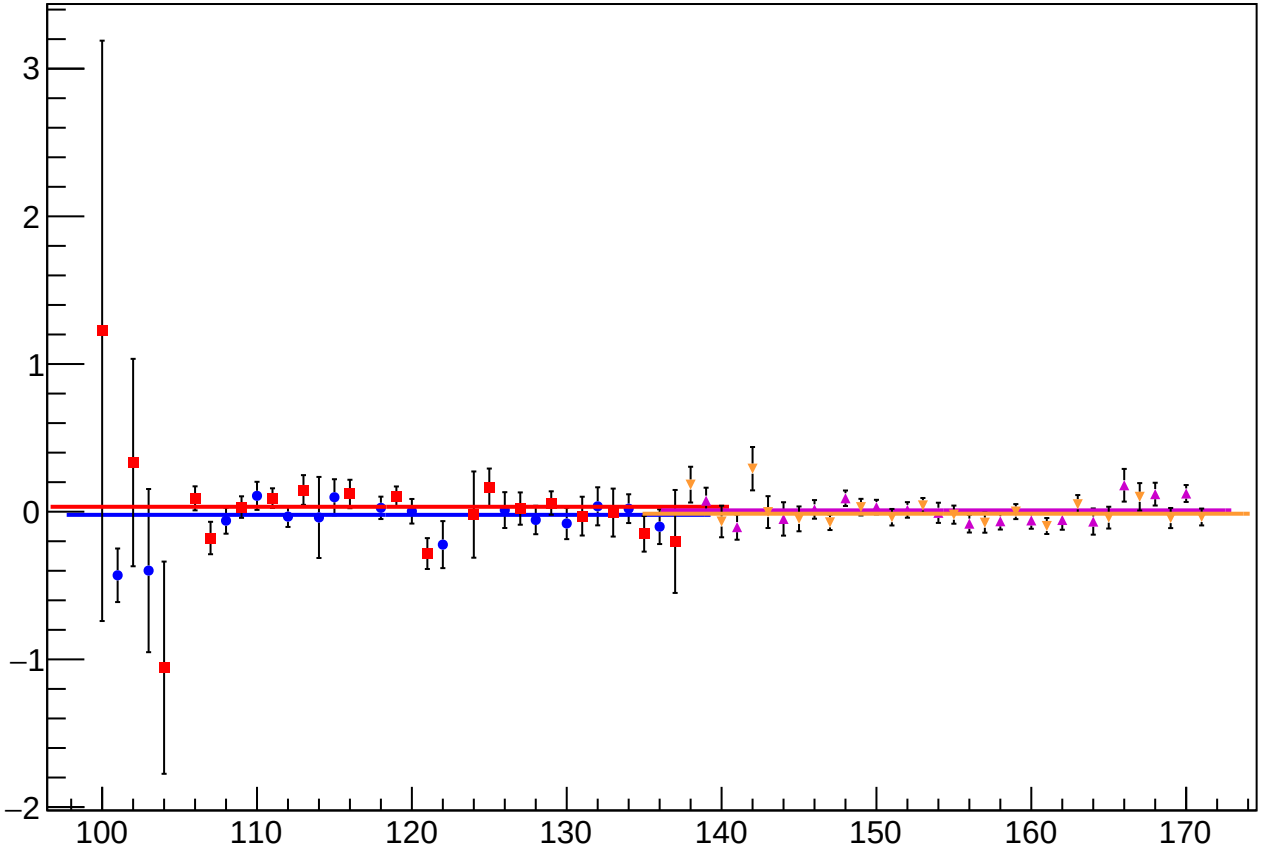
+ sign -0.000+/-0.000 χ^2/NDF: 49.1/33

All: -0.000+/-0.000 χ^2/NDF: 83.5/68

- sign -0.000+/-0.000 χ^2/NDF: 34.0/34


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:3369037.6/17
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:3765988.8/15
+ sign 0.003+/-0.000 χ²/NDF: 7138834.9/33
All: 0.002+/-0.000 χ²/NDF: 14850863.8/68
- sign 0.002+/-0.000 χ²/NDF: 7607681.4/34

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

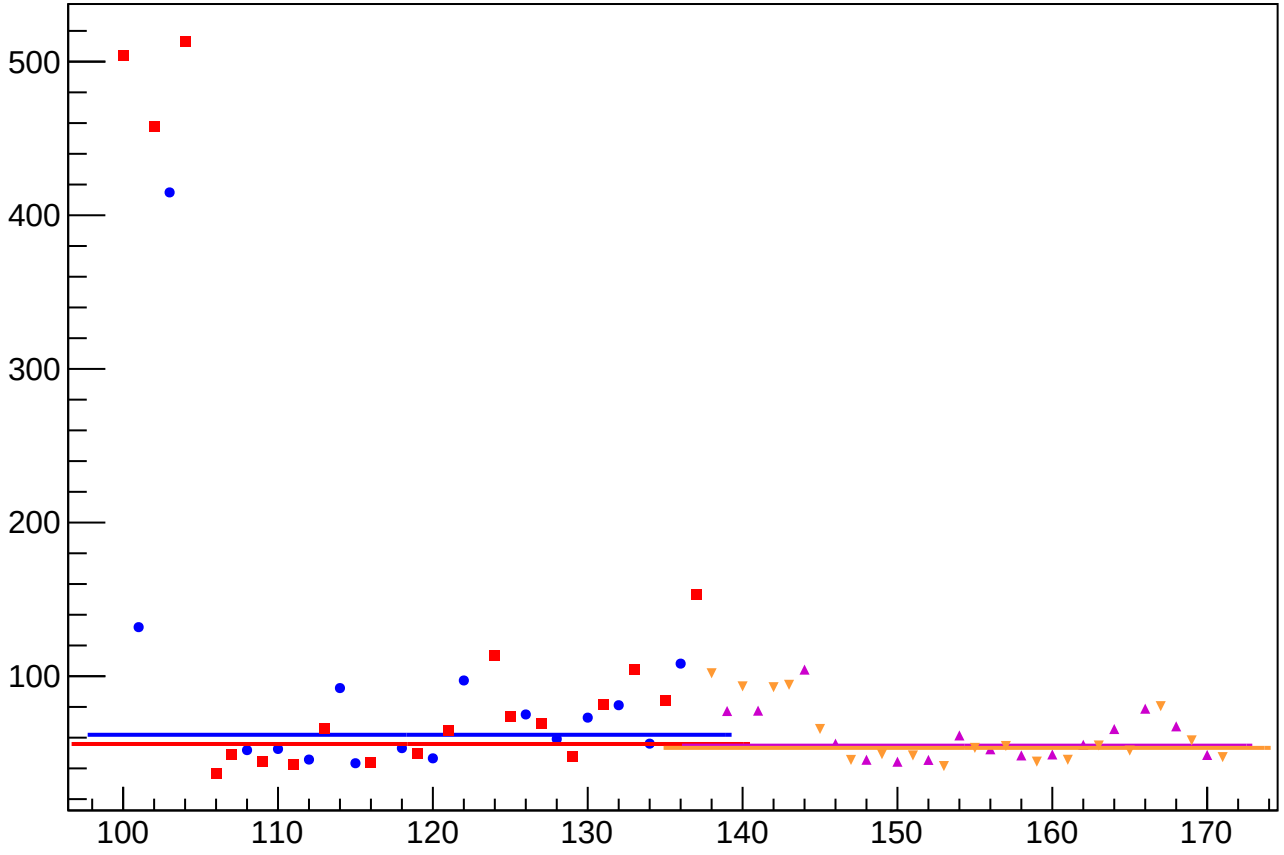
Left In: 0.009+/-0.016 χ^2/NDF:20.8/15

+ sign -0.016+/-0.013 χ^2/NDF: 29.1/33

All: 0.000+/-0.010 χ^2/NDF: 77.7/68

- sign 0.016+/-0.014 χ^2/NDF: 45.8/34

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: 53.356+/-0.011 χ^2/NDF:1570107.0/17

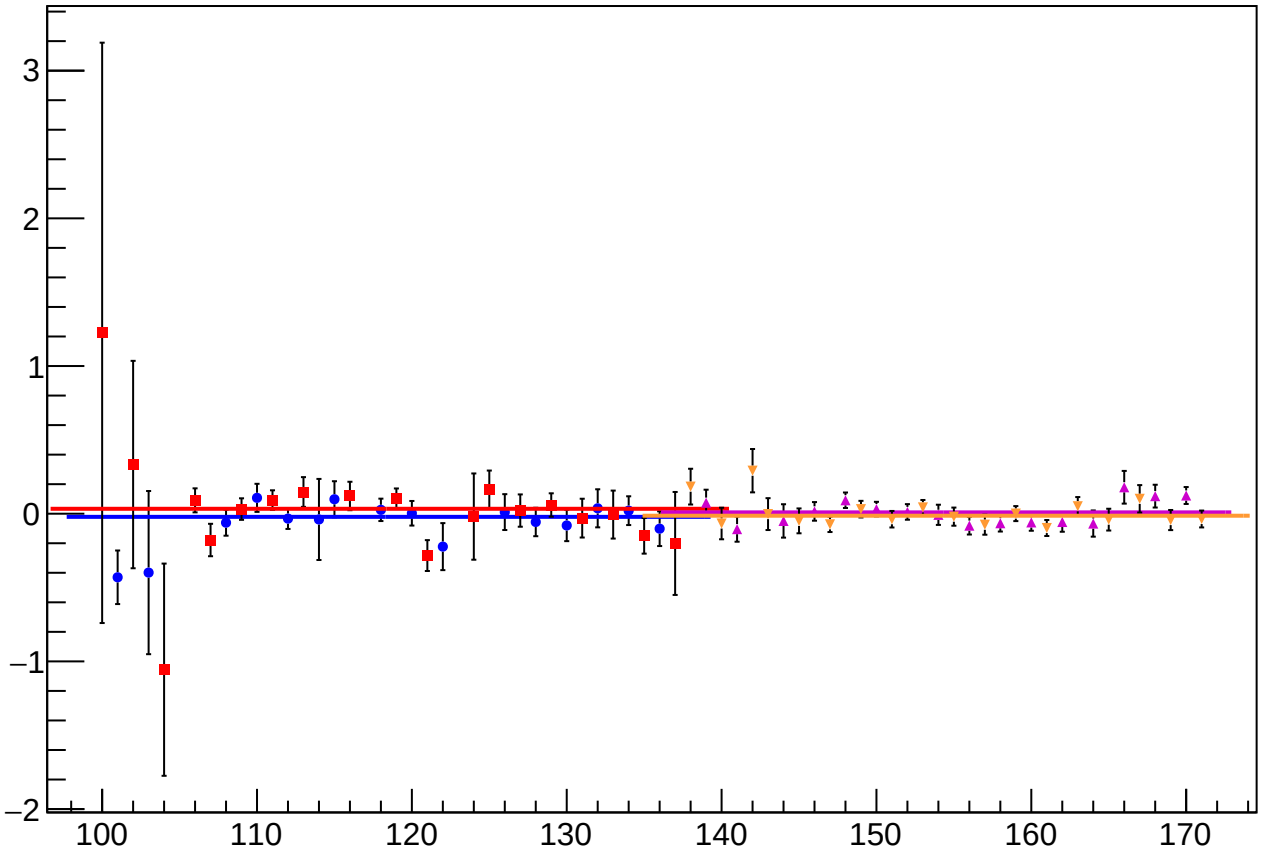
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.801+/-0.012 χ^2/NDF:1139546.5/15

+ sign 55.538+/-0.010 χ^2/NDF: 3661117.9/33

All: 55.338+/-0.007 χ^2/NDF: 7395504.7/68

- sign 55.133+/-0.010 χ^2/NDF: 3733485.9/34



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.016 χ^2/NDF:17.0/17

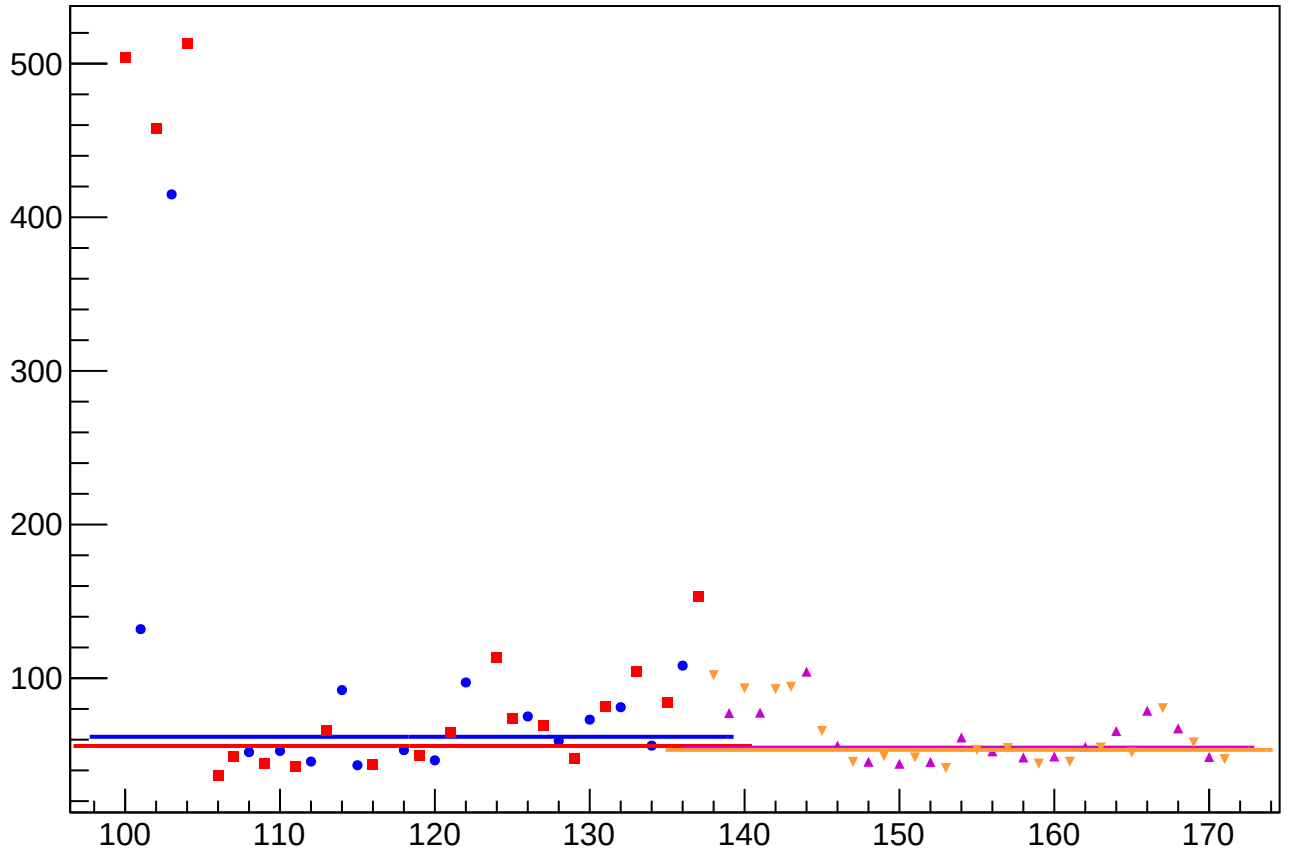
Right Out: 0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.009+/-0.016 χ^2/NDF:20.8/15

+ sign -0.016+/-0.013 χ^2/NDF: 29.1/33

All: 0.000+/-0.010 χ^2/NDF: 77.7/68

- sign 0.016+/-0.014 χ^2/NDF: 45.8/34



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.356+/-0.011 χ^2/NDF:1570107.0/17

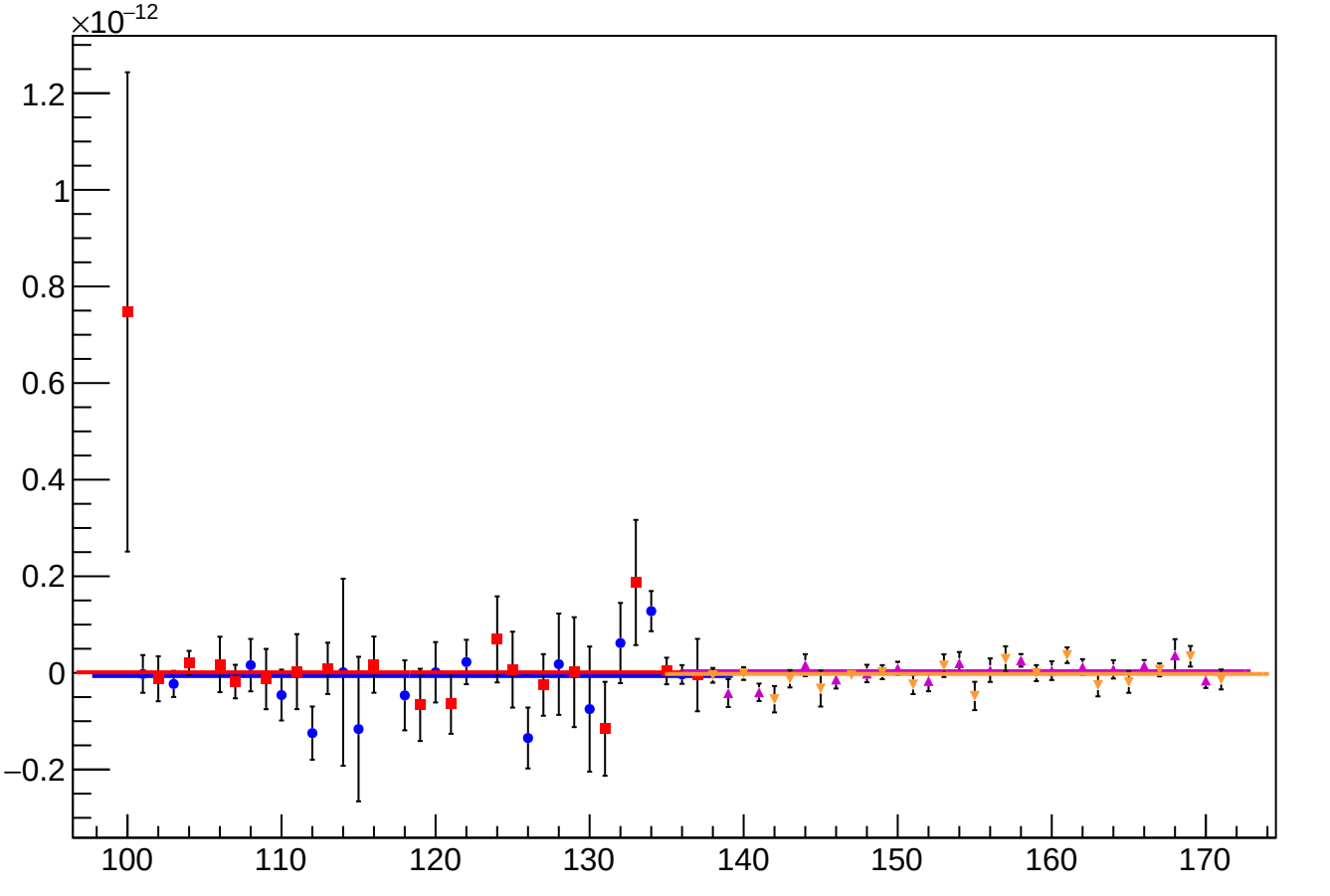
Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.801+/-0.012 χ^2/NDF:1139546.5/15

+ sign 55.538+/-0.010 χ^2/NDF: 3661117.9/33

All: 55.338+/-0.007 χ^2/NDF: 7395504.7/68

- sign 55.133+/-0.010 χ^2/NDF: 3733485.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

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

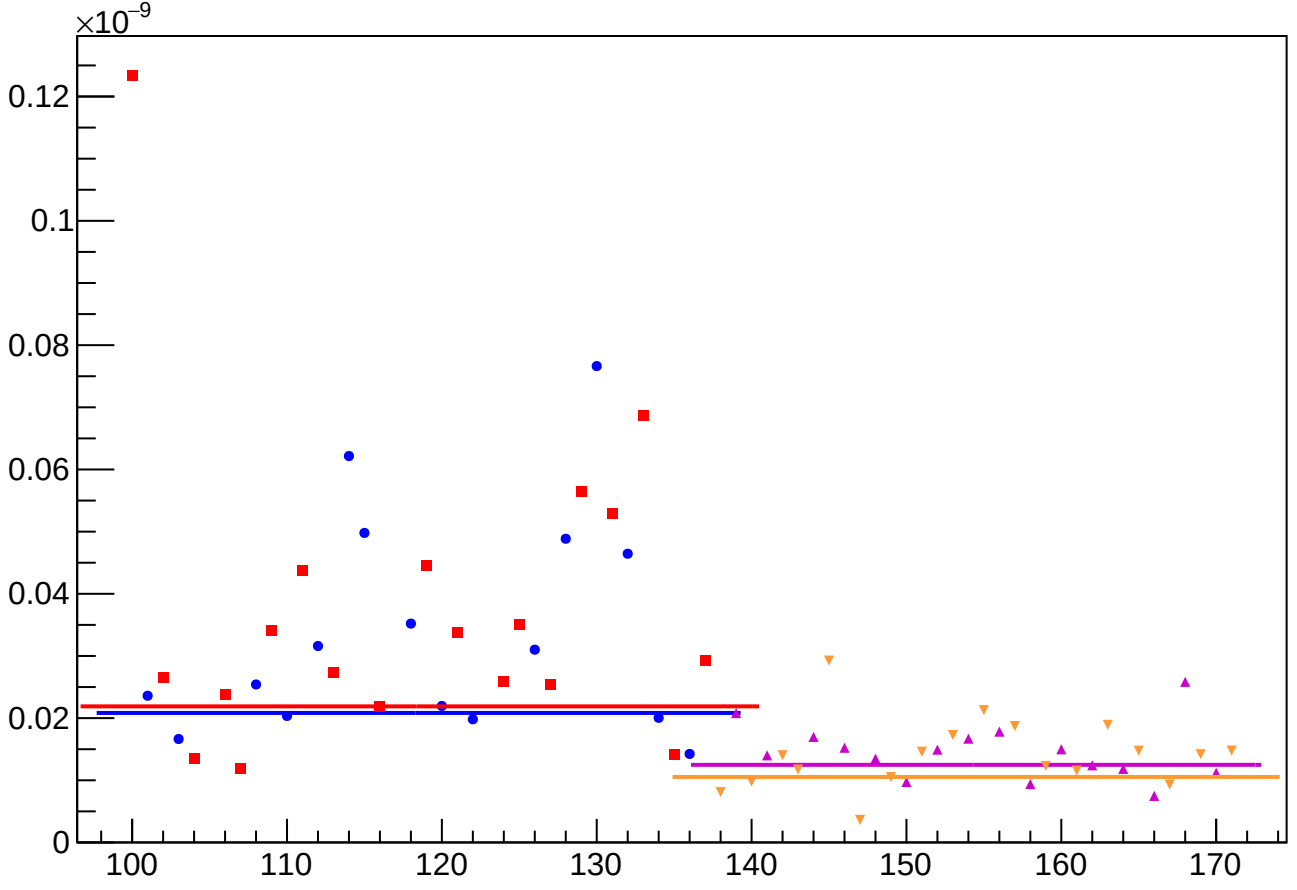
Right Out: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/33

All: -0.000+/-0.000 χ^2/NDF: 72.8/68

- sign 0.000+/-0.000 χ^2/NDF: 27.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3211082.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

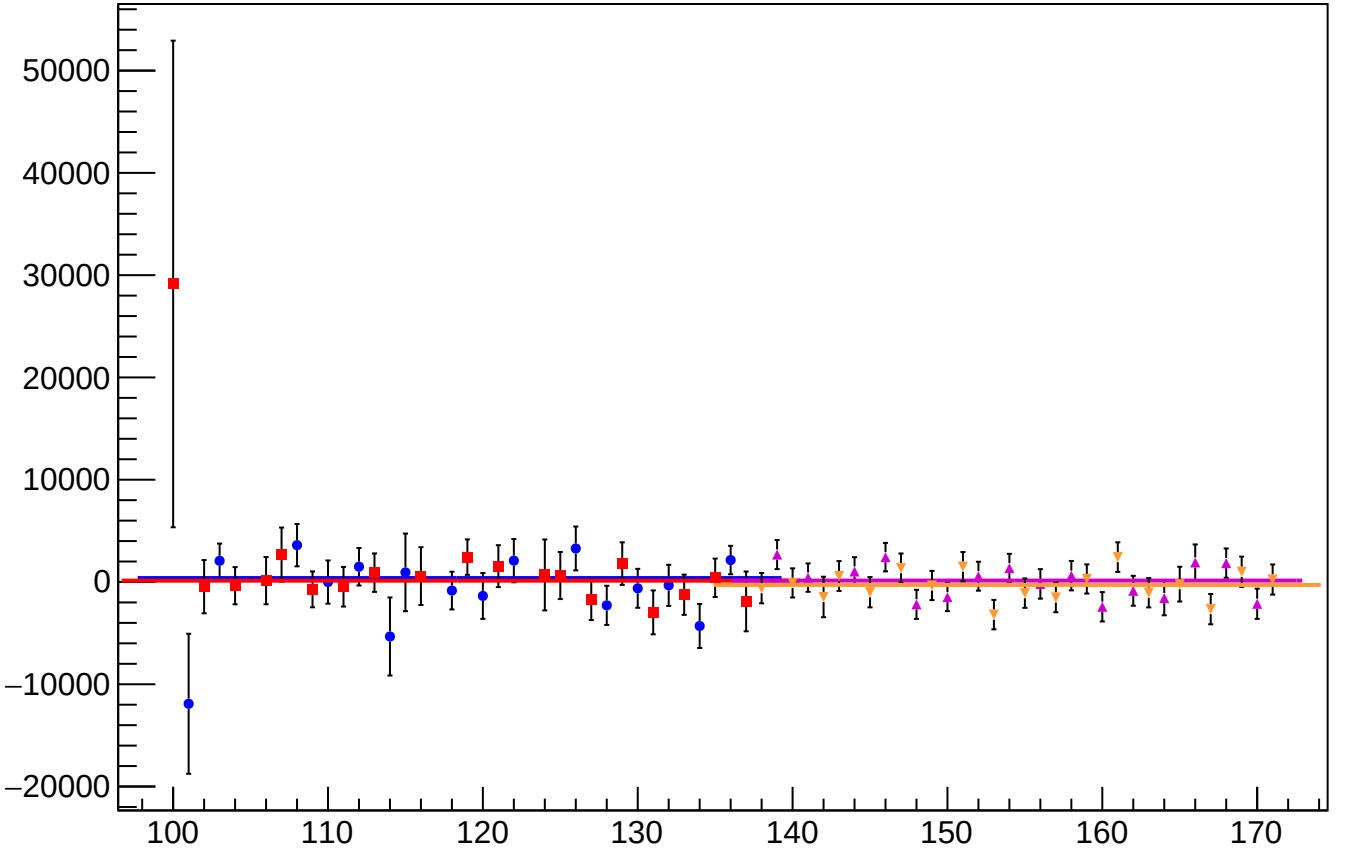
Left In: 0.000+/-0.000 χ^2/NDF:1406495.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 6074767.5/33

All: 0.000+/-0.000 χ^2/NDF: 10726511.3/68

- sign 0.000+/-0.000 χ^2/NDF: 4408764.6/34

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -289.117+/-348.744 χ^2/NDF:16.4/17

Right Out: 127.929+/-500.988 χ^2/NDF: 10.0/18

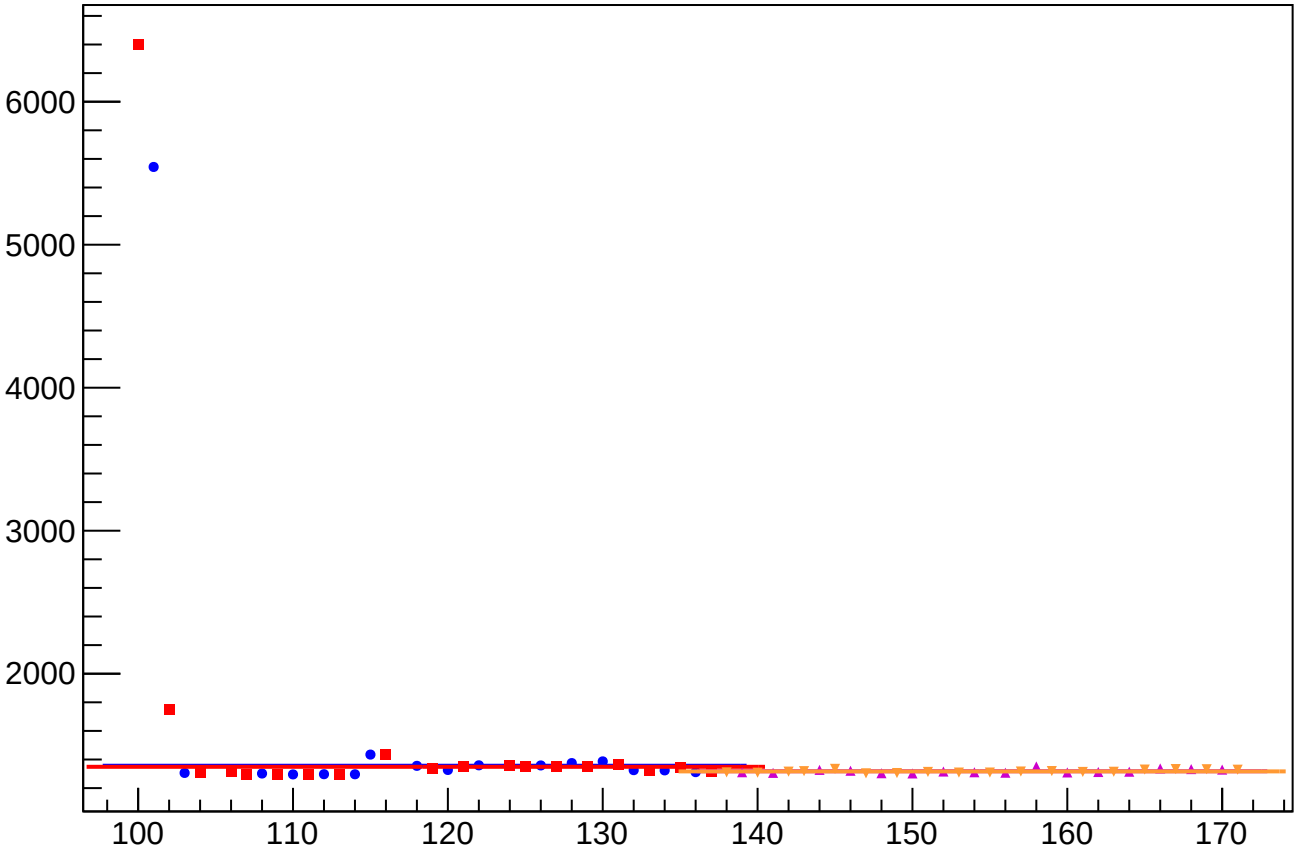
Left In: 138.279+/-362.494 χ^2/NDF:20.9/15

+ sign -79.867+/-289.254 χ^2/NDF: 39.1/33

All: 25.798+/-206.080 χ^2/NDF: 70.2/68

- sign 134.723+/-293.680 χ^2/NDF: 30.9/34

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

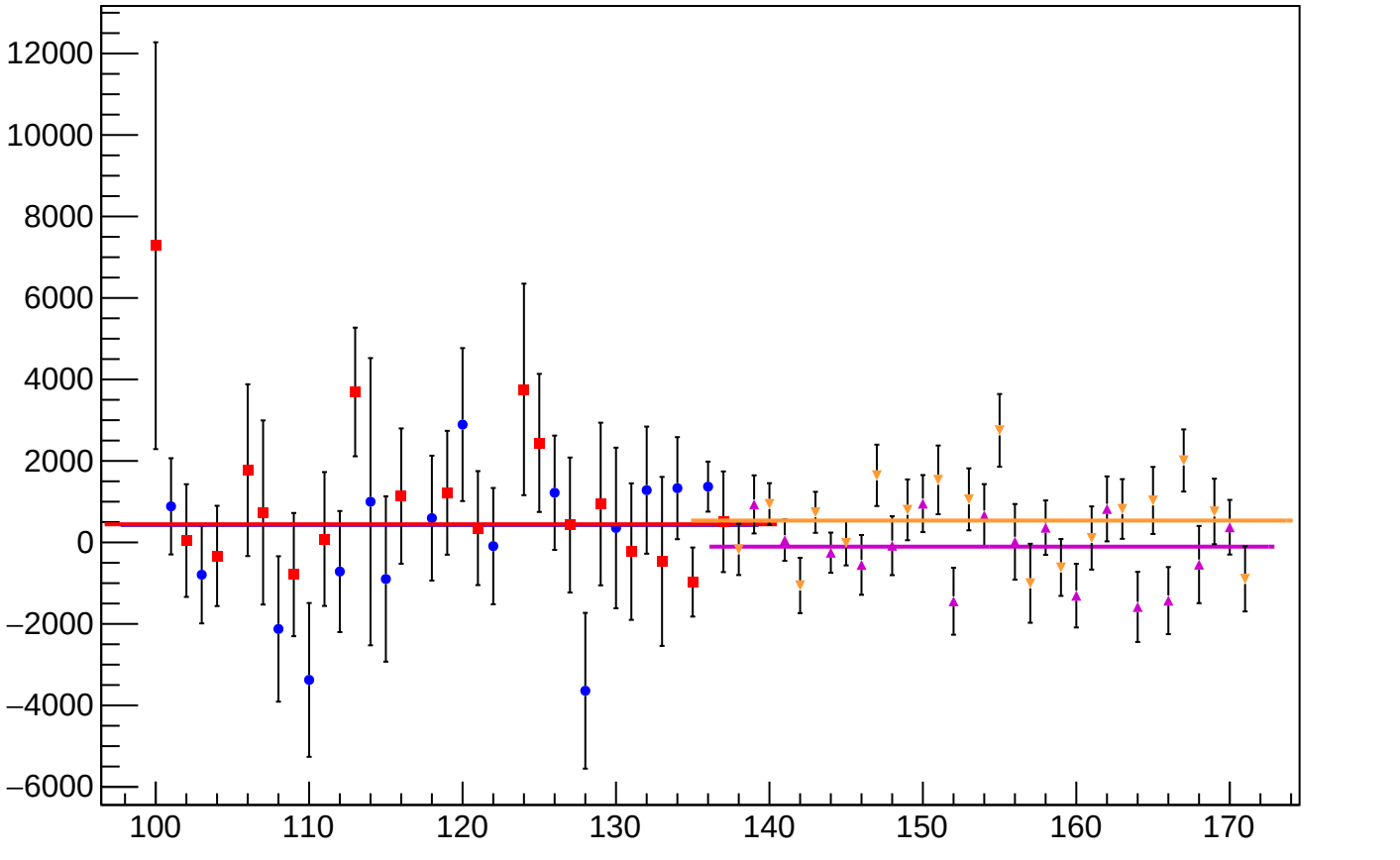
Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

+ sign 1329.247+/-0.205 χ^2/NDF: 769838.5/33

All: 1328.966+/-0.146 χ^2/NDF: 924755.9/68

- sign 1328.677+/-0.208 χ^2/NDF: 154913.6/34



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 536.736+/-165.096 χ^2/NDF:32.0/17

Right Out: 444.555+/-355.594 χ^2/NDF: 14.4/18

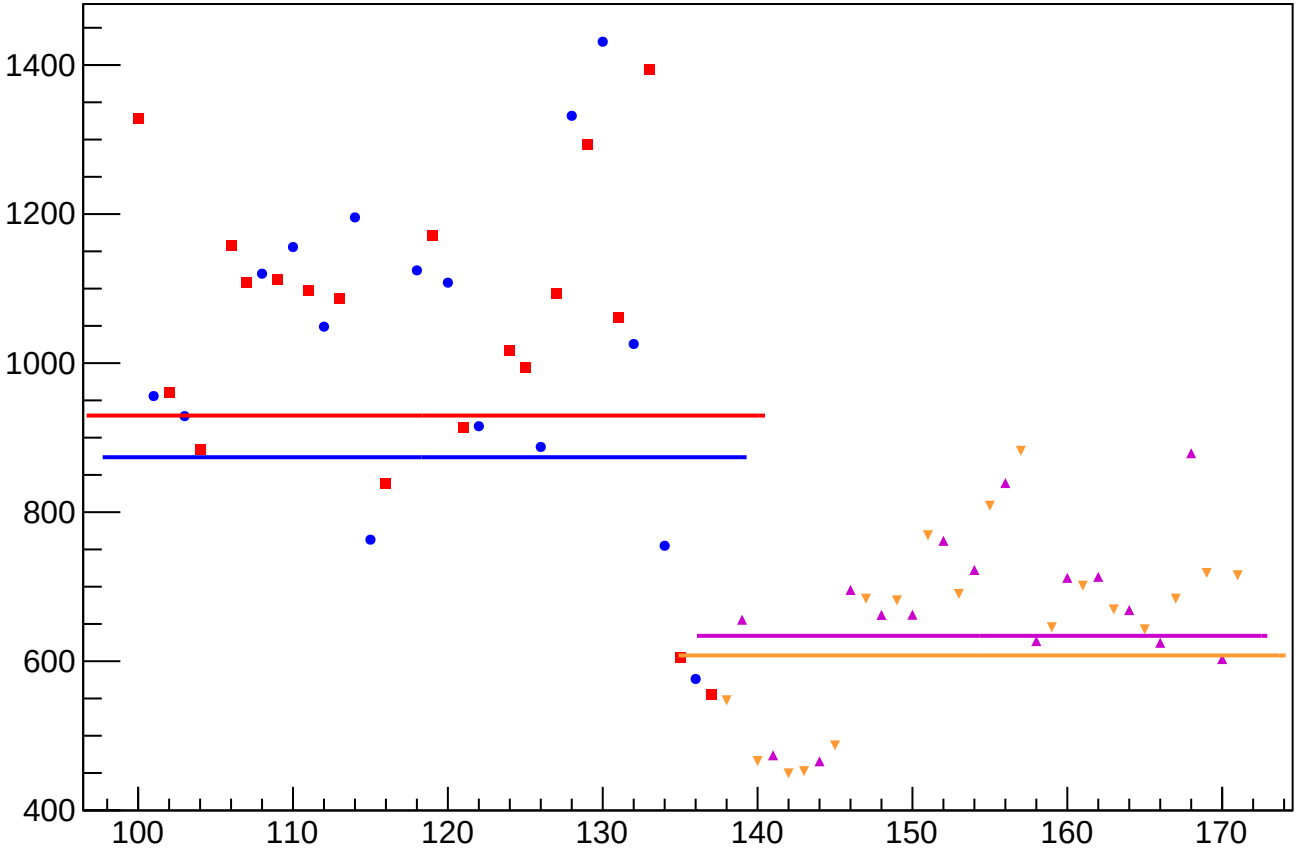
Left In: -103.801+/-177.545 χ^2/NDF:19.1/15

\+ sign 516.291+/-148.384 χ^2/NDF: 50.3/33

All: 278.325+/-108.433 χ^2/NDF: 91.2/68

\- sign 5.621+/-158.846 χ^2/NDF: 35.4/34

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 607.748+/-0.117 χ^2/NDF:1113454.2/17

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

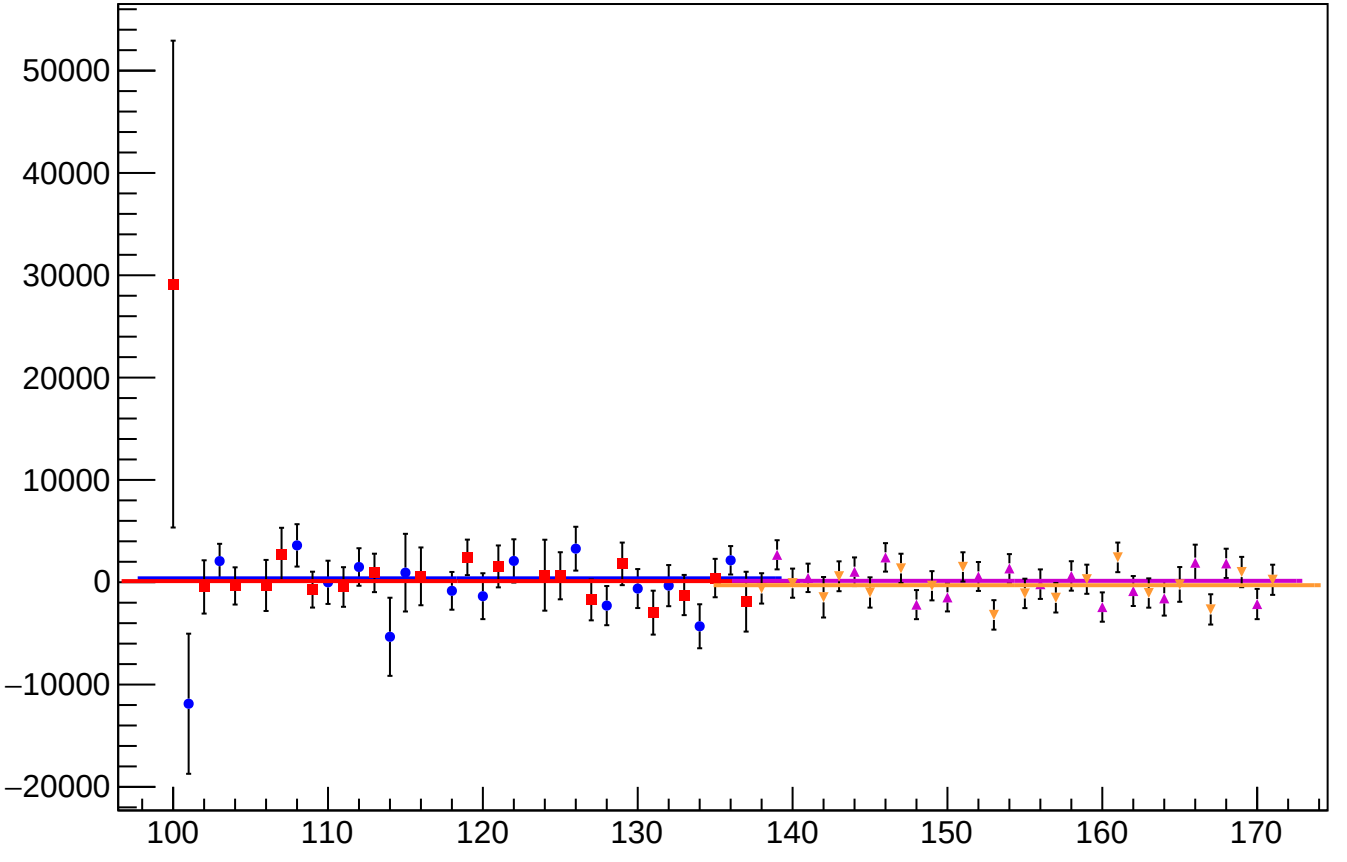
Left In: 634.073+/-0.126 χ^2/NDF:809294.5/15

+ sign 658.871+/-0.105 χ^2/NDF: 3126085.6/33

All: 674.799+/-0.077 χ^2/NDF: 5950778.5/68

- sign 693.051+/-0.112 χ^2/NDF: 2775242.9/34

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -289.143+/-348.744 χ^2/NDF:16.4/17

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

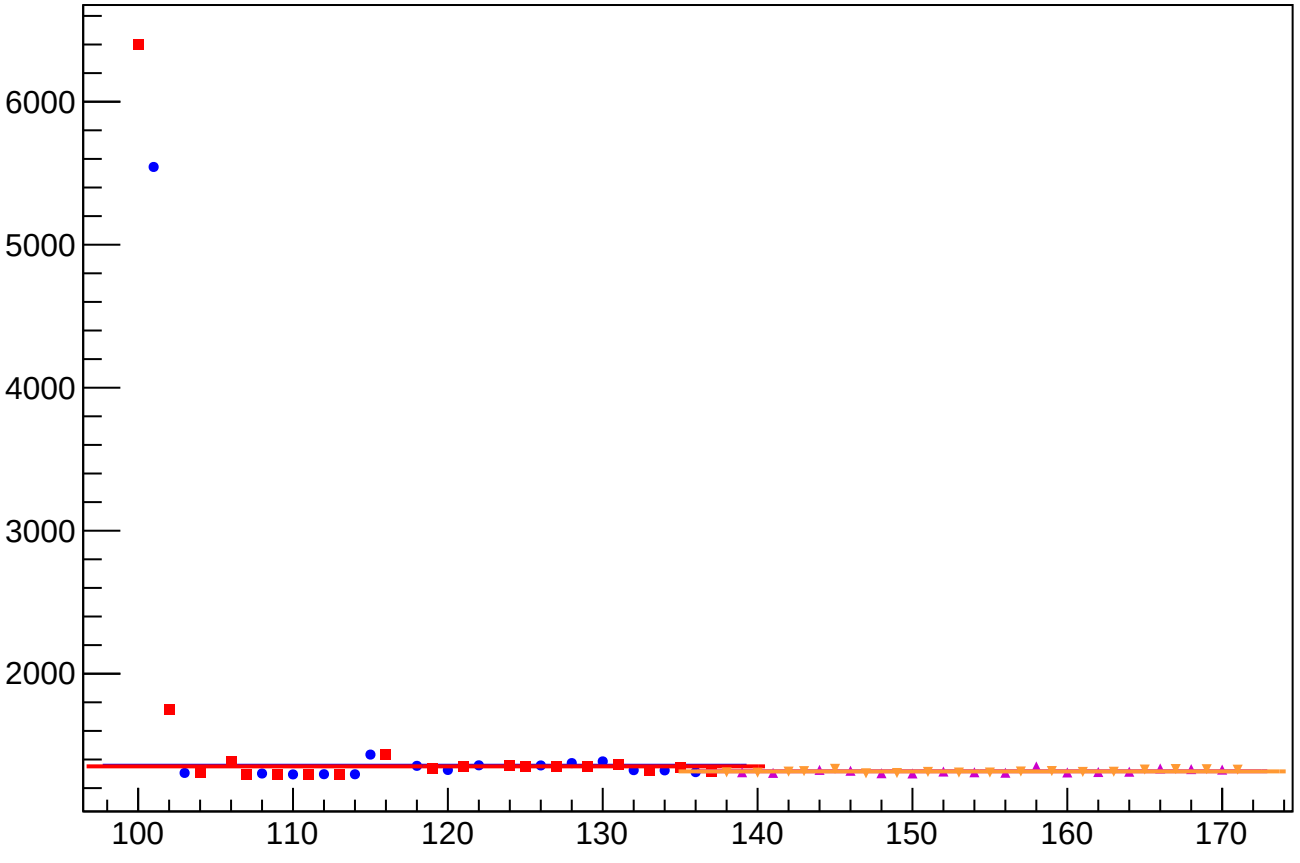
Left In: 138.317+/-362.494 χ^2/NDF:20.9/15

+ sign -79.789+/-289.254 χ^2/NDF: 39.1/33

All: 22.763+/-206.199 χ^2/NDF: 70.2/68

- sign 128.726+/-294.023 χ^2/NDF: 30.9/34

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

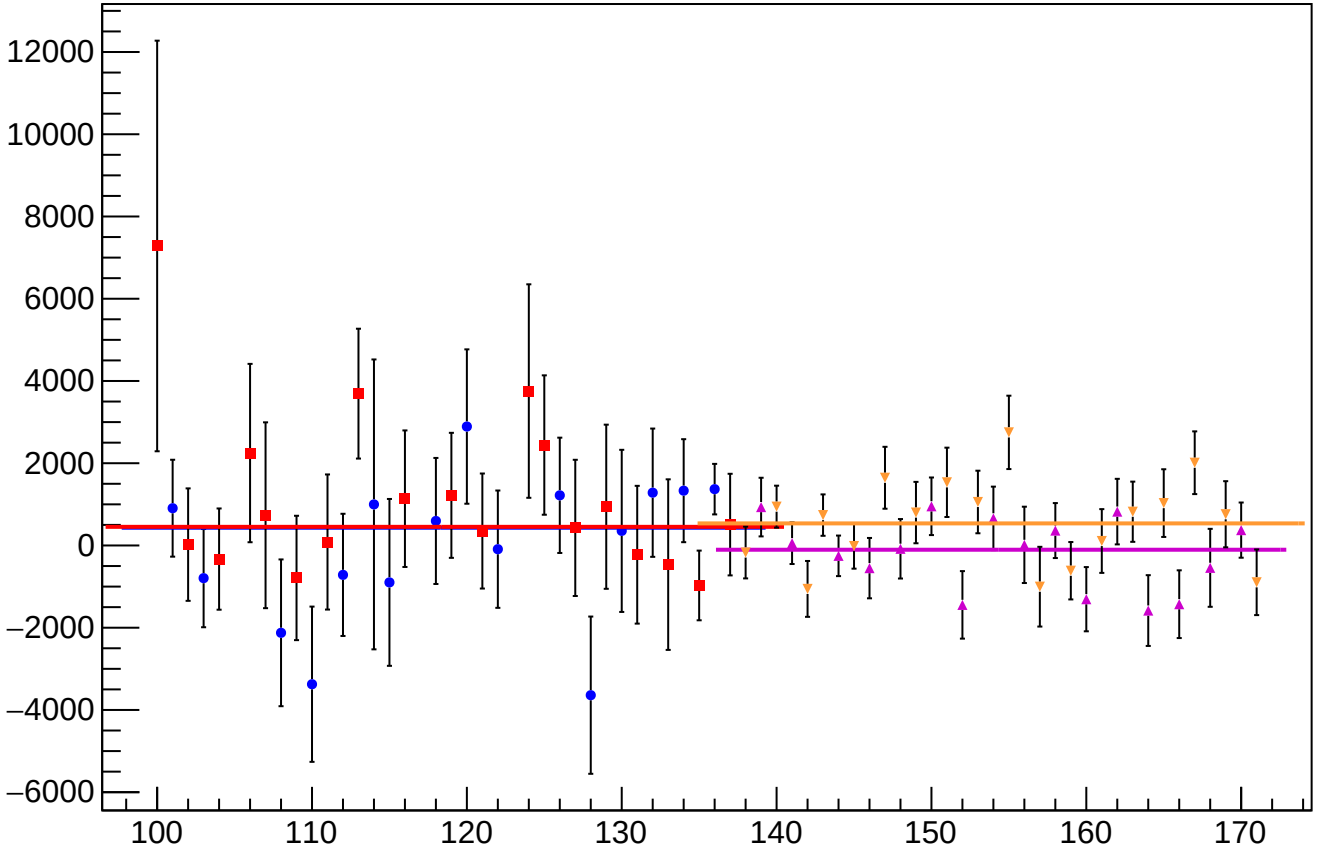
Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

+ sign 1329.247+/-0.205 χ^2/NDF: 769837.5/33

All: 1329.466+/-0.146 χ^2/NDF: 925843.5/68

- sign 1329.693+/-0.208 χ^2/NDF: 156003.7/34

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 536.706+/-165.096 χ^2/NDF:32.0/17

Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

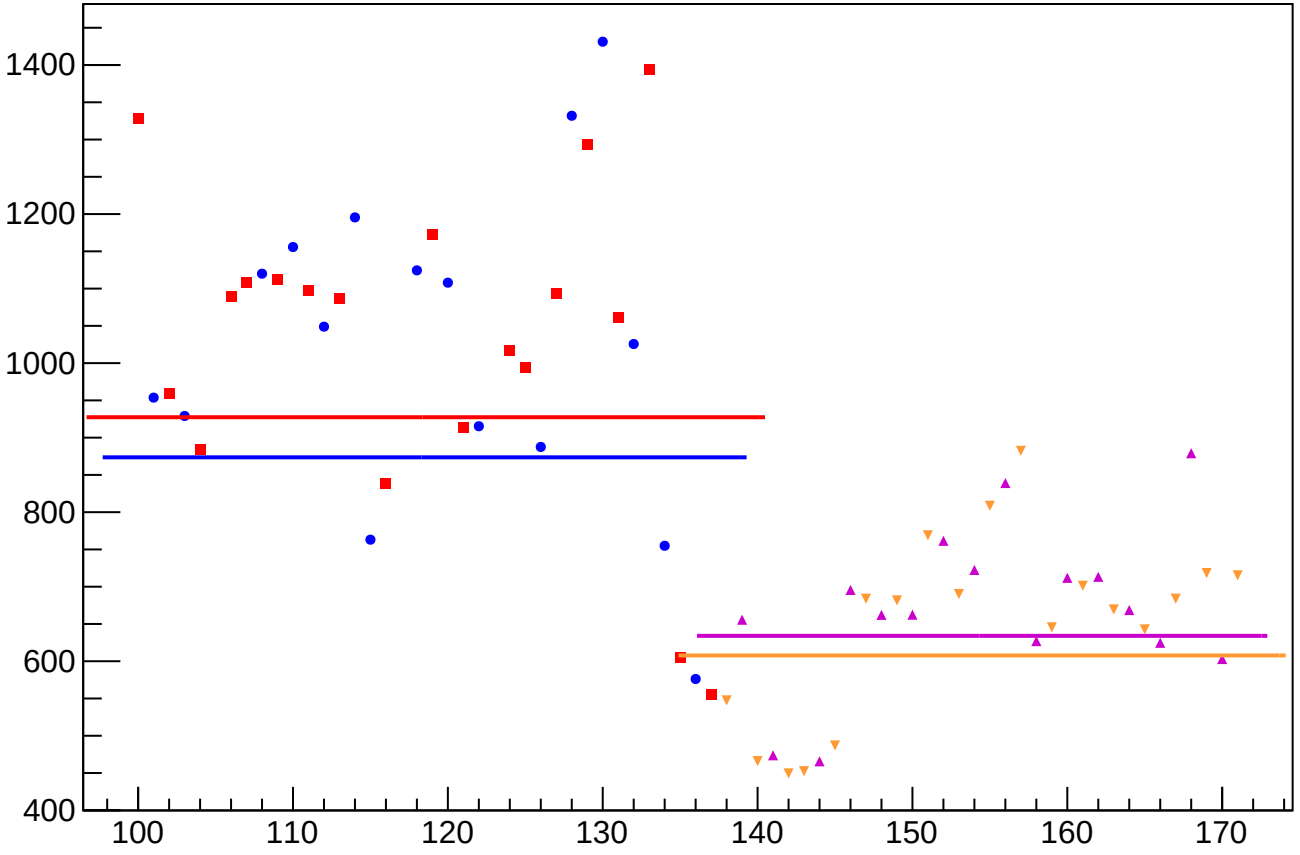
Left In: -103.803+/-177.543 χ^2/NDF:19.1/15

\+ sign 516.602+/-148.379 χ^2/NDF: 50.3/33

All: 279.285+/-108.431 χ^2/NDF: 91.5/68

\- sign 7.308+/-158.845 χ^2/NDF: 35.7/34

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 607.749+/-0.117 χ^2/NDF:1113375.0/17

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

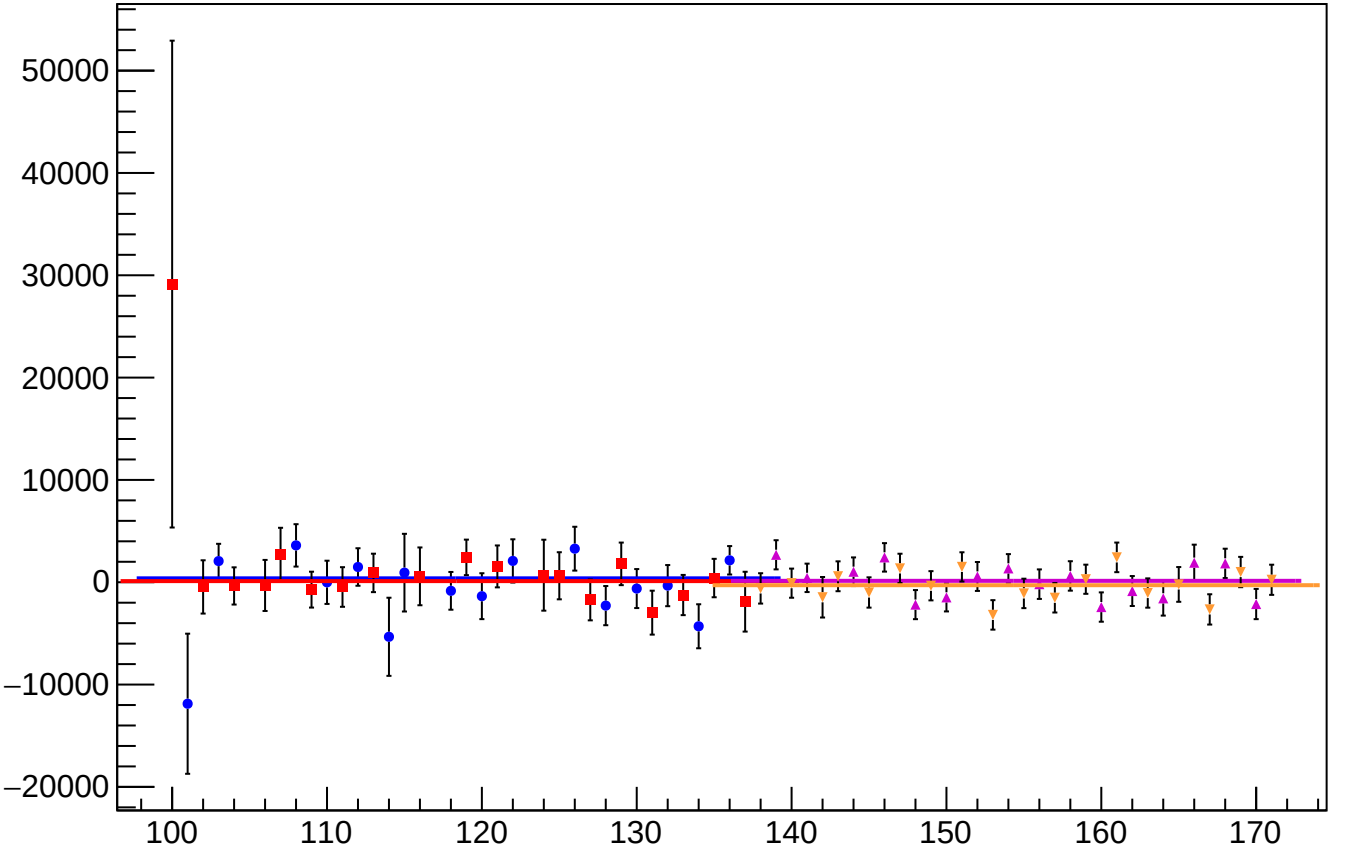
Left In: 634.067+/-0.126 χ^2/NDF:809358.5/15

+ sign 658.861+/-0.105 χ^2/NDF: 3124870.2/33

All: 674.583+/-0.077 χ^2/NDF: 5919203.2/68

- sign 692.600+/-0.112 χ^2/NDF: 2746148.7/34

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -289.143+/-348.744 χ^2/NDF:16.4/17

Right Out: 110.280+/-502.698 χ^2/NDF: 10.0/18

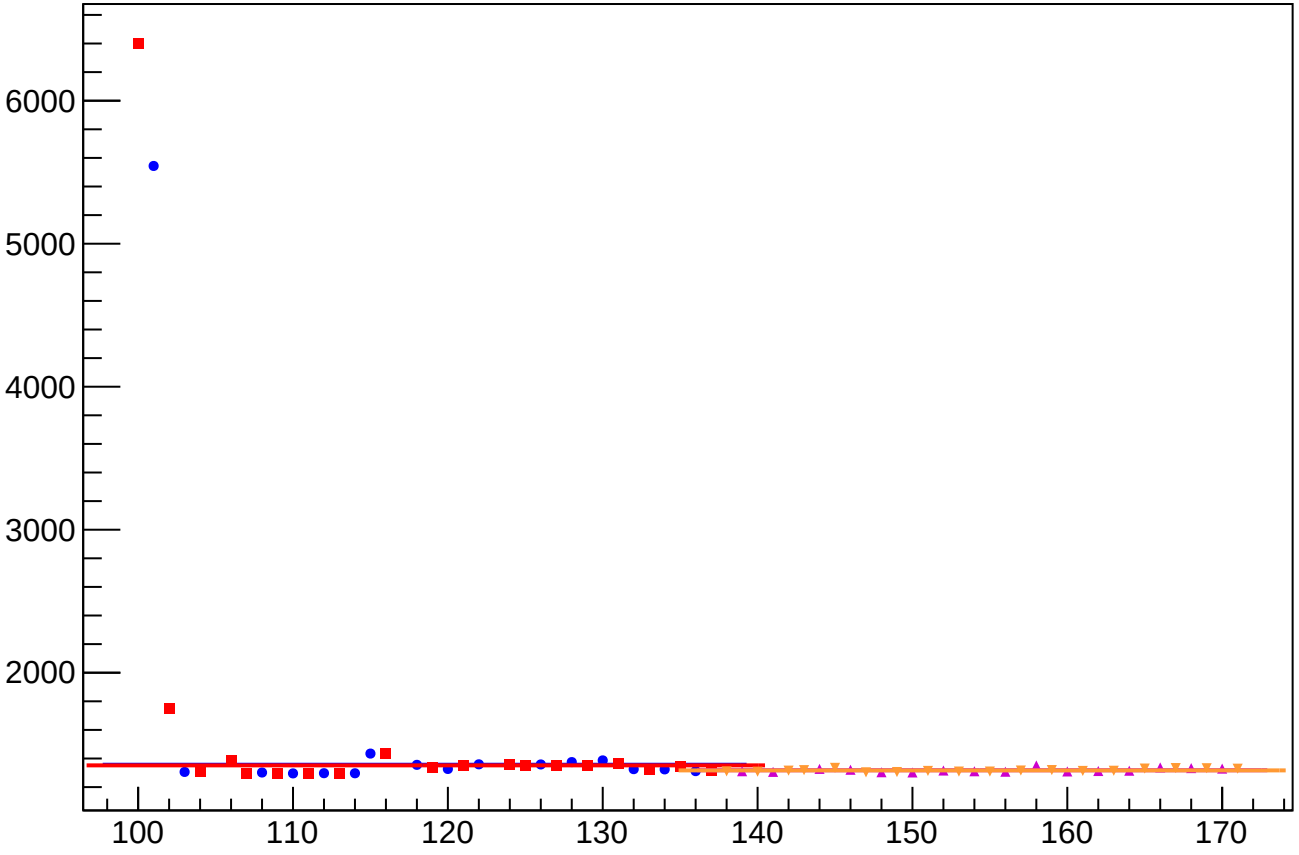
Left In: 138.317+/-362.494 χ^2/NDF:20.9/15

\+ sign -79.789+/-289.254 χ^2/NDF: 39.1/33

All: 22.763+/-206.199 χ^2/NDF: 70.2/68

\- sign 128.726+/-294.023 χ^2/NDF: 30.9/34

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

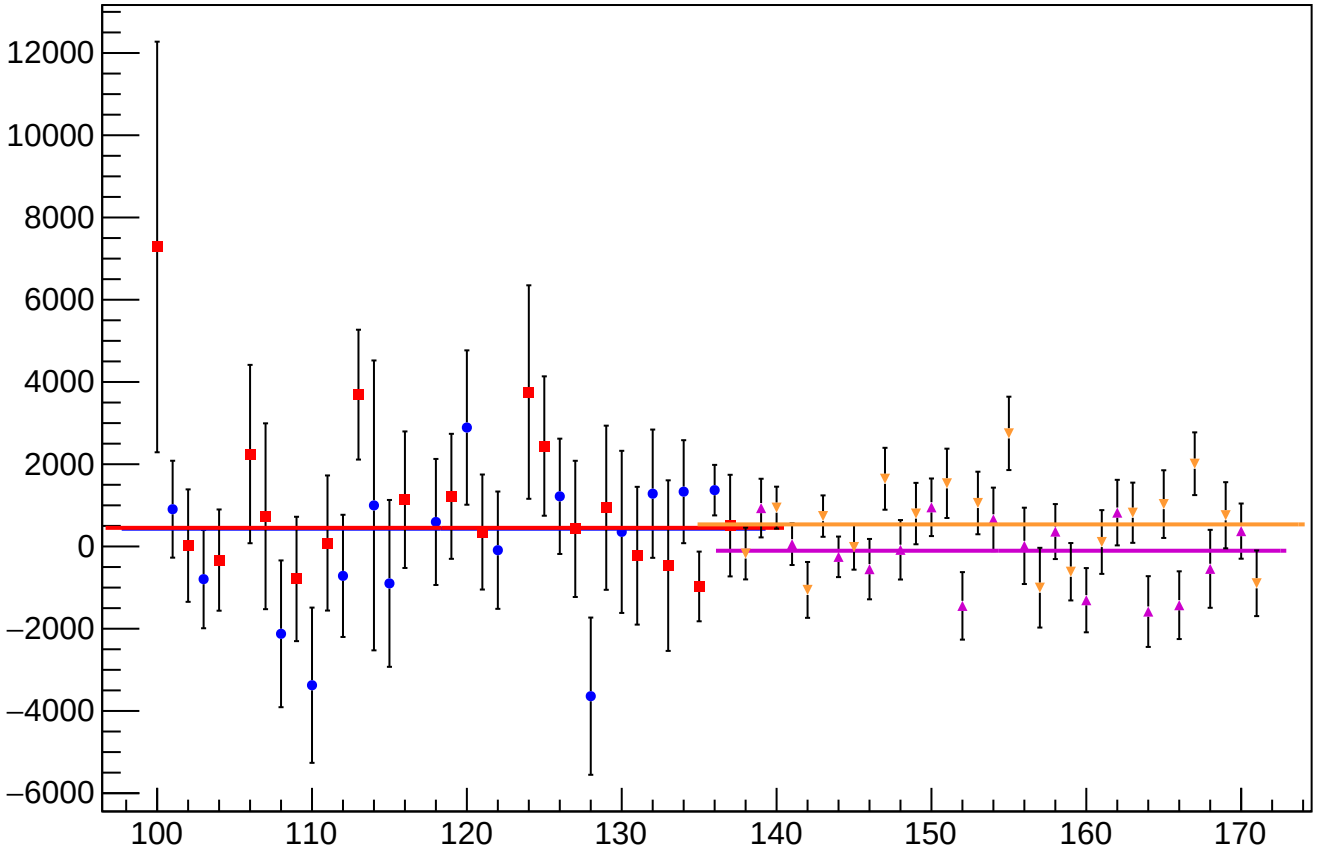
Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.050+/-0.256 χ^2/NDF:2646.1/15

+ sign 1329.247+/-0.205 χ^2/NDF: 769837.5/33

All: 1329.466+/-0.146 χ^2/NDF: 925843.5/68

- sign 1329.693+/-0.208 χ^2/NDF: 156003.7/34



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 536.706+/-165.096 χ^2/NDF:32.0/17

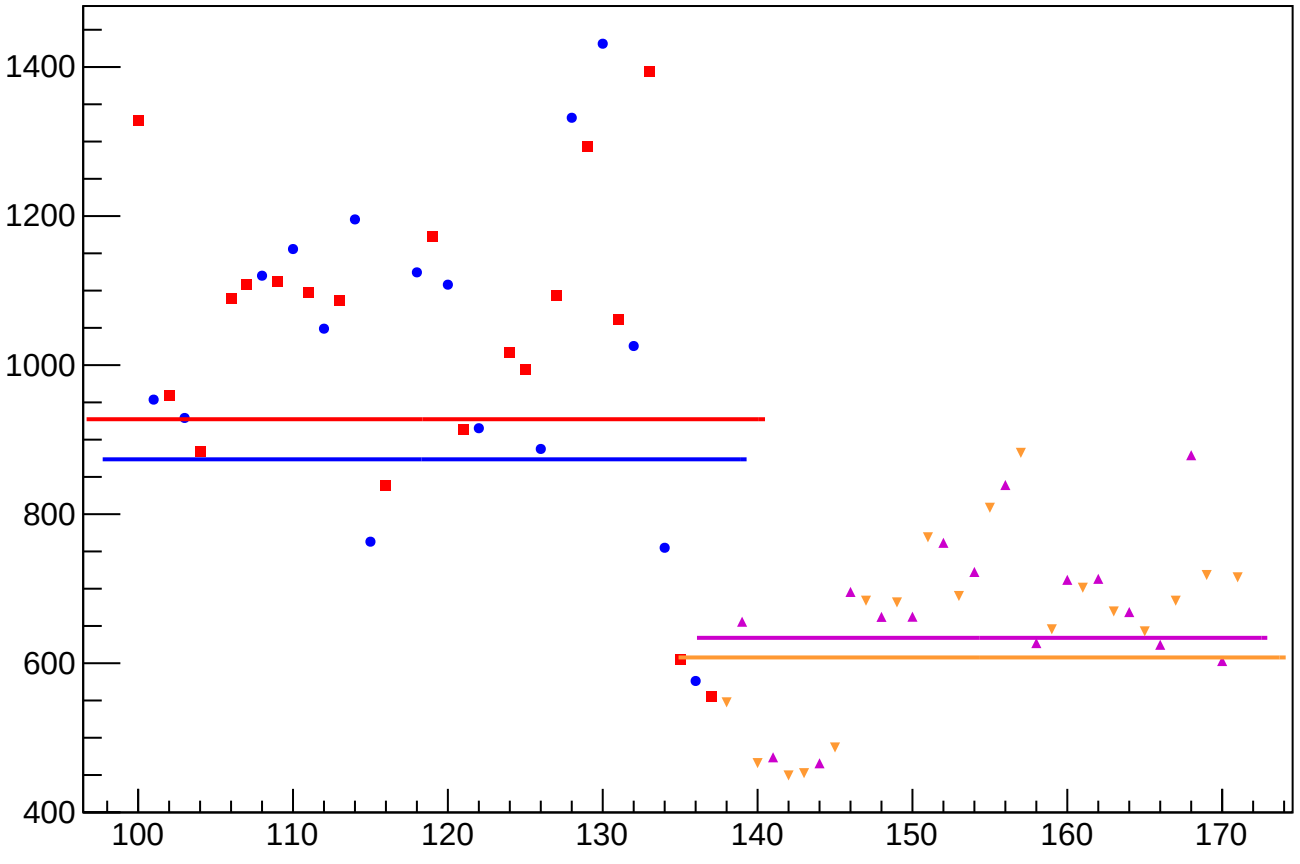
Right Out: 453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -103.803+/-177.543 χ^2/NDF:19.1/15

\+ sign 516.602+/-148.379 χ^2/NDF: 50.3/33

All: 279.285+/-108.431 χ^2/NDF: 91.5/68

\- sign 7.308+/-158.845 χ^2/NDF: 35.7/34



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 607.749+/-0.117 χ^2/NDF:1113375.0/17

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

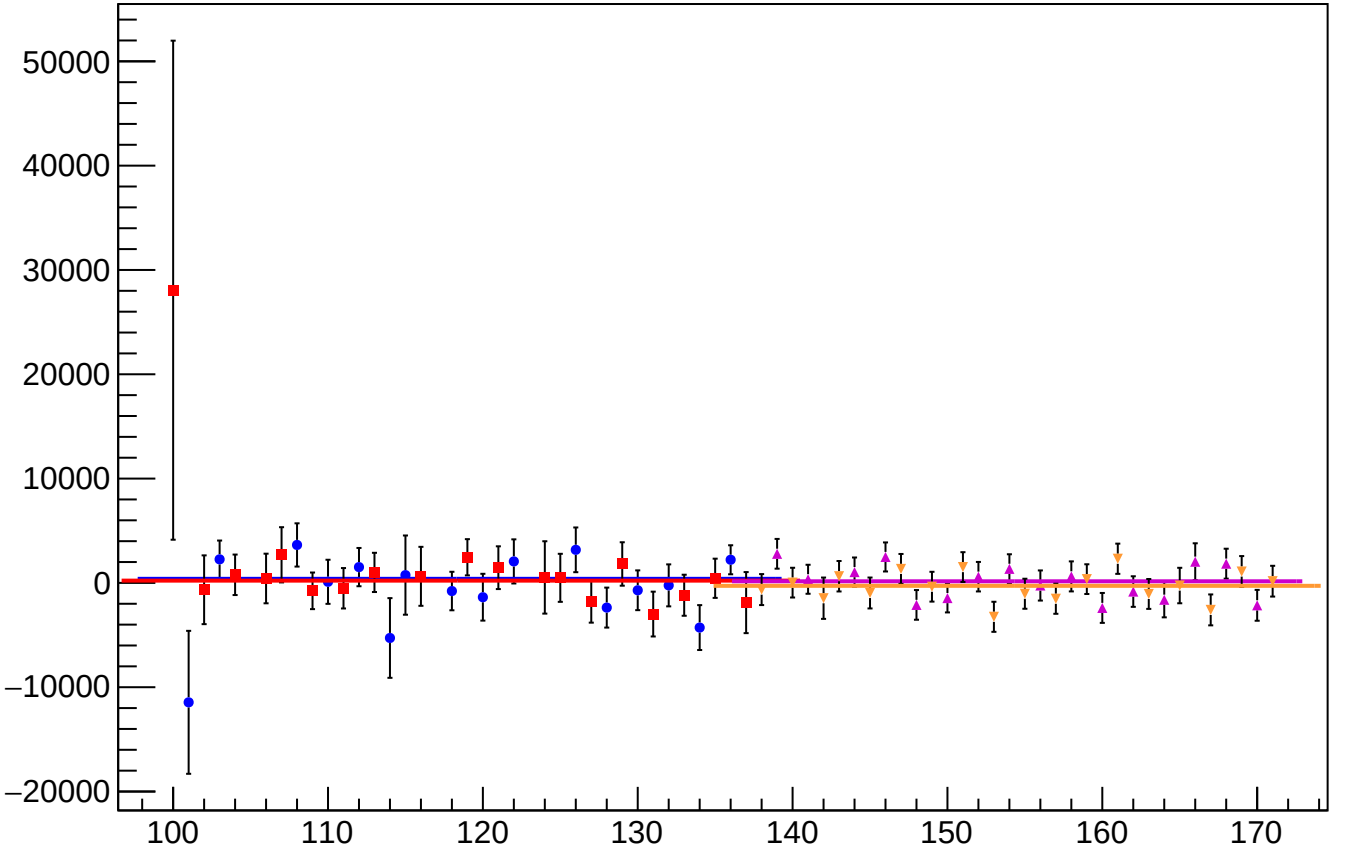
Left In: 634.067+/-0.126 χ^2/NDF:809358.5/15

+ sign 658.861+/-0.105 χ^2/NDF: 3124870.2/33

All: 674.583+/-0.077 χ^2/NDF: 5919203.2/68

- sign 692.600+/-0.112 χ^2/NDF: 2746148.7/34

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.966+/-349.019 χ^2/NDF:16.3/17

Right Out: 218.184+/-507.927 χ^2/NDF: 10.0/18

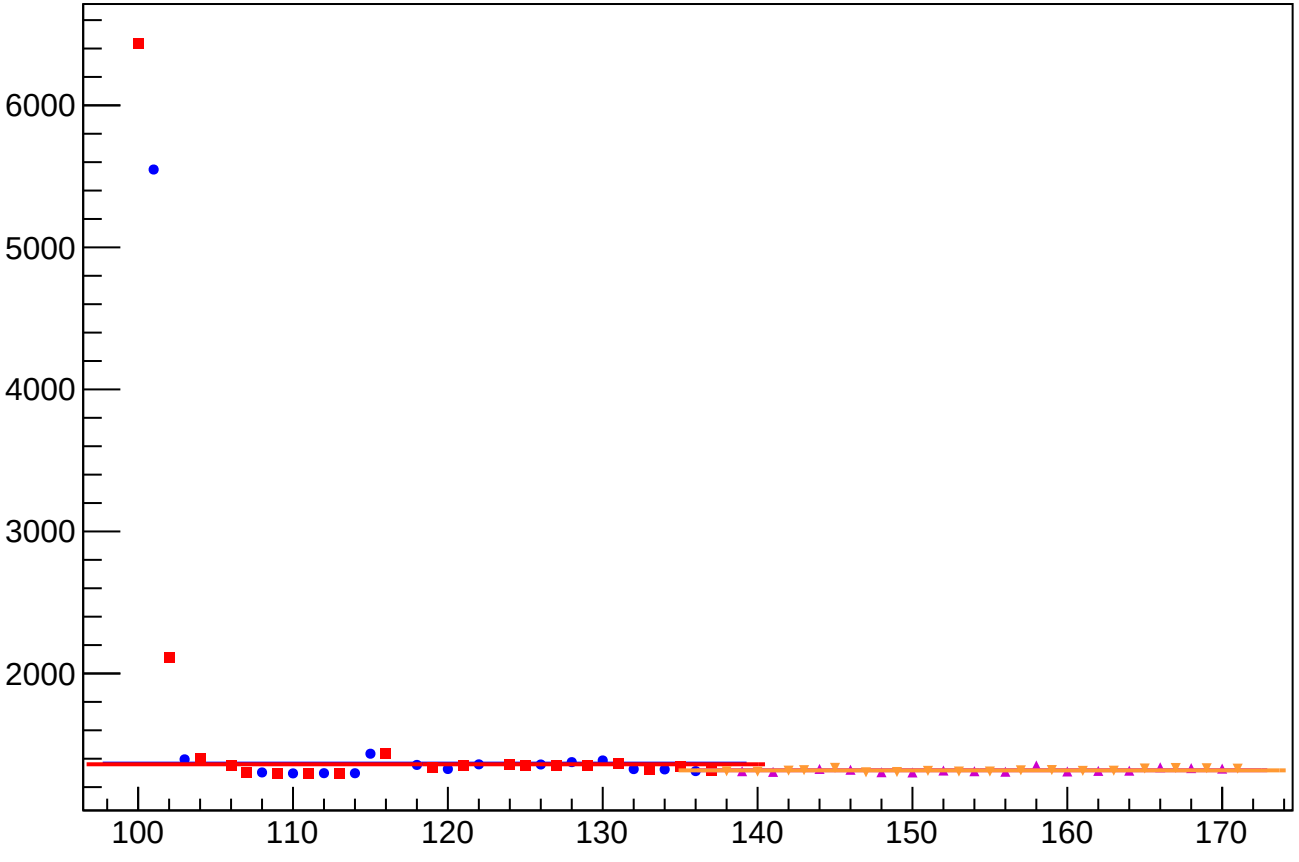
Left In: 154.416+/-362.769 χ^2/NDF:21.2/15

+ sign -73.232+/-289.995 χ^2/NDF: 38.8/33

All: 49.143+/-206.876 χ^2/NDF: 70.4/68

- sign 175.956+/-295.207 χ^2/NDF: 31.2/34

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.967+/-0.247 χ^2/NDF:1586.1/17

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

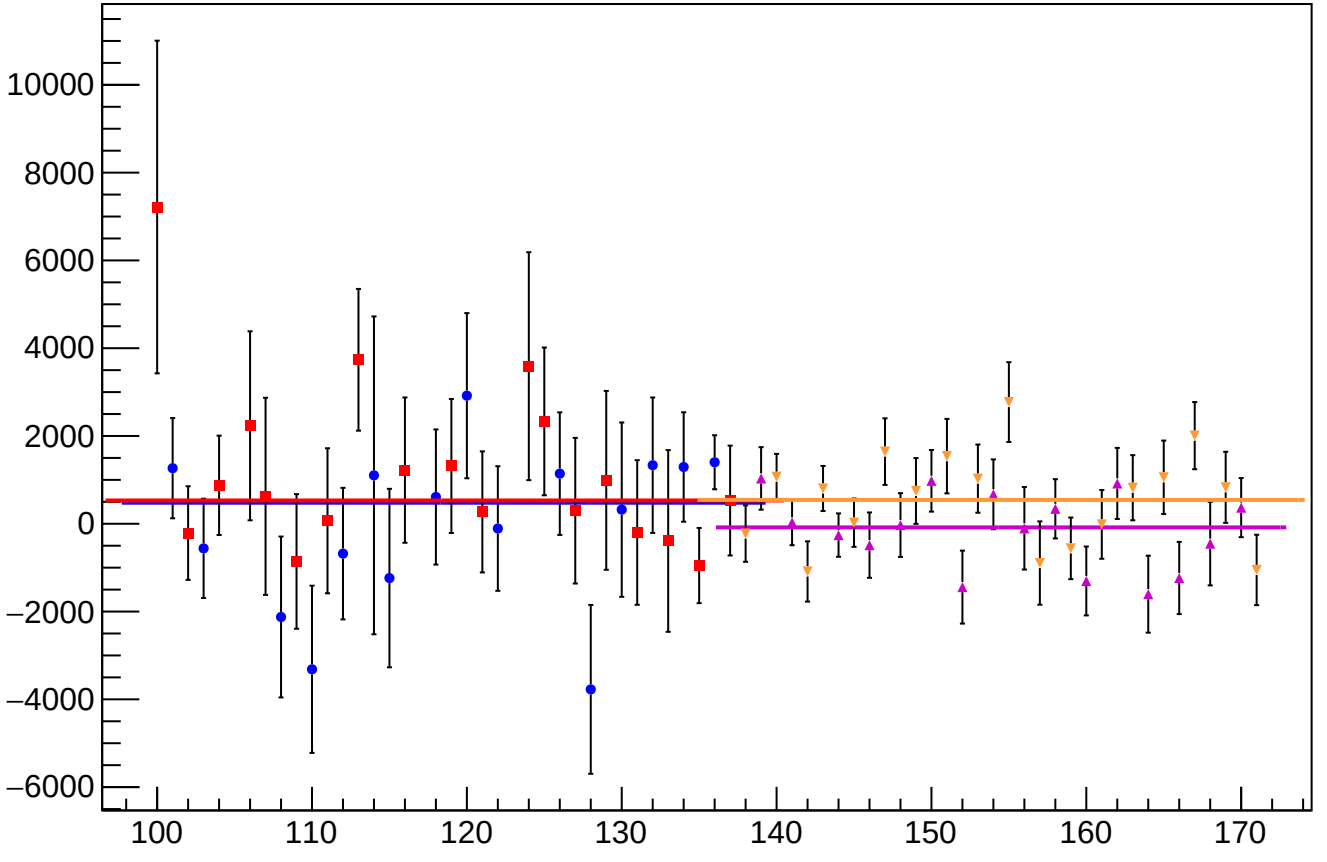
Left In: 1319.048+/-0.257 χ^2/NDF:2673.1/15

+ sign 1332.623+/-0.205 χ^2/NDF: 771921.3/33

All: 1332.878+/-0.146 χ^2/NDF: 988849.4/68

- sign 1333.141+/-0.209 χ^2/NDF: 216924.9/34

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 543.896+/-166.944 χ^2/NDF:32.7/17

Right Out: 530.532+/-346.105 χ^2/NDF: 15.6/18

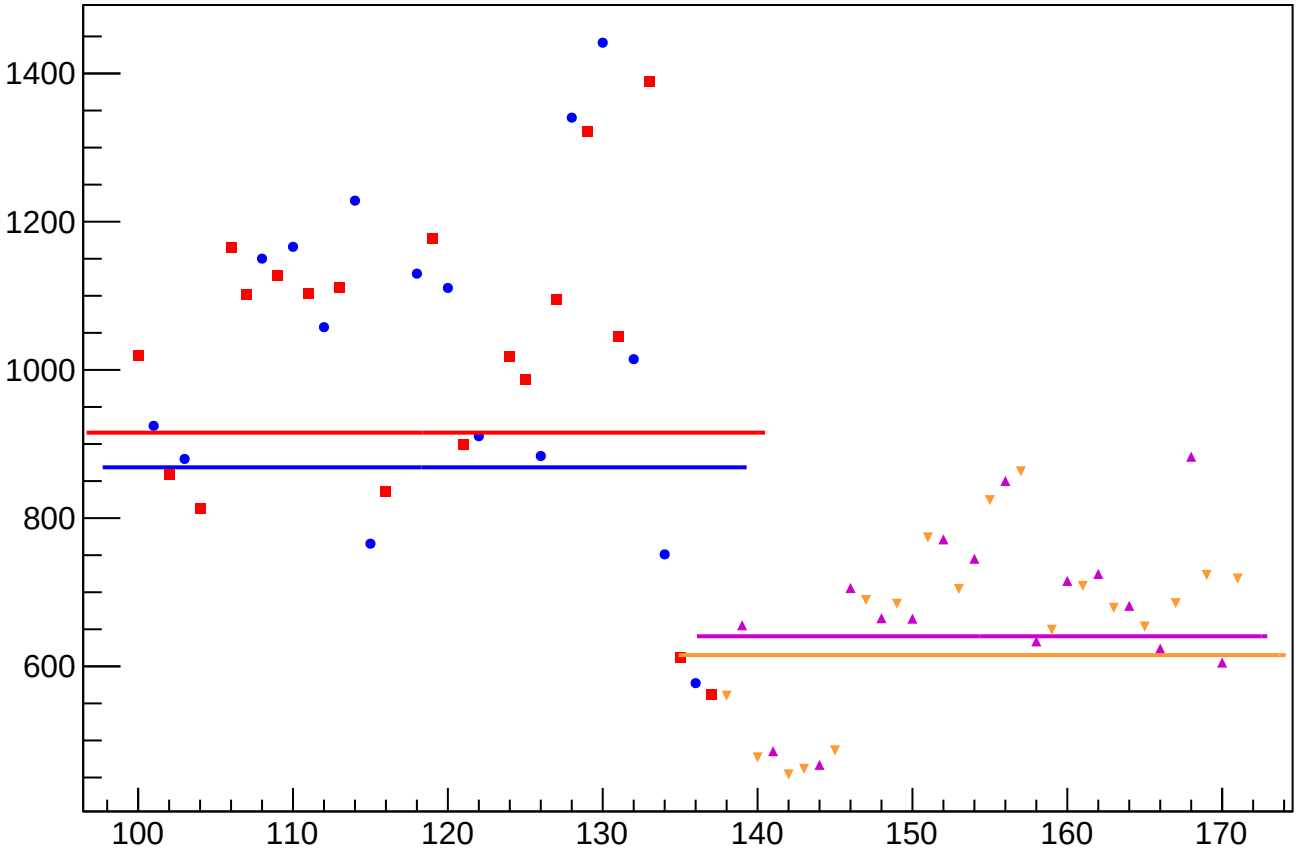
Left In: -82.721+/-179.317 χ^2/NDF:18.7/15

+ sign 531.356+/-149.552 χ^2/NDF: 51.4/33

All: 304.349+/-109.006 χ^2/NDF: 93.1/68

- sign 47.057+/-159.216 χ^2/NDF: 36.8/34

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 615.148+/-0.118 χ^2/NDF:1065083.0/17

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

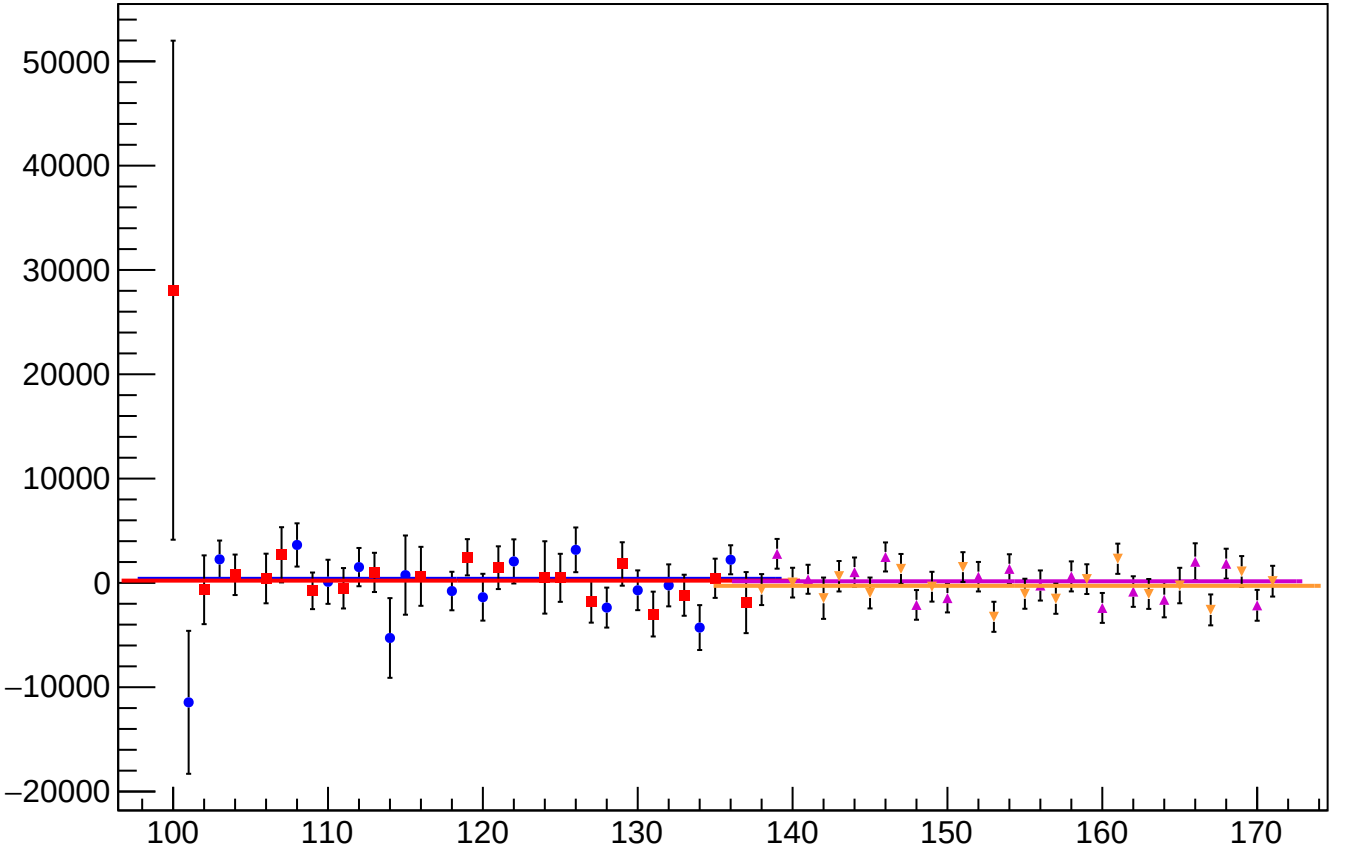
Left In: 640.578+/-0.127 χ^2/NDF:809682.9/15

+ sign 665.199+/-0.106 χ^2/NDF: 2996647.9/33

All: 680.915+/-0.077 χ^2/NDF: 5706217.9/68

- sign 698.728+/-0.113 χ^2/NDF: 2662448.0/34

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.967+/-349.019 χ^2/NDF:16.3/17

Right Out: 218.182+/-507.927 χ^2/NDF: 10.0/18

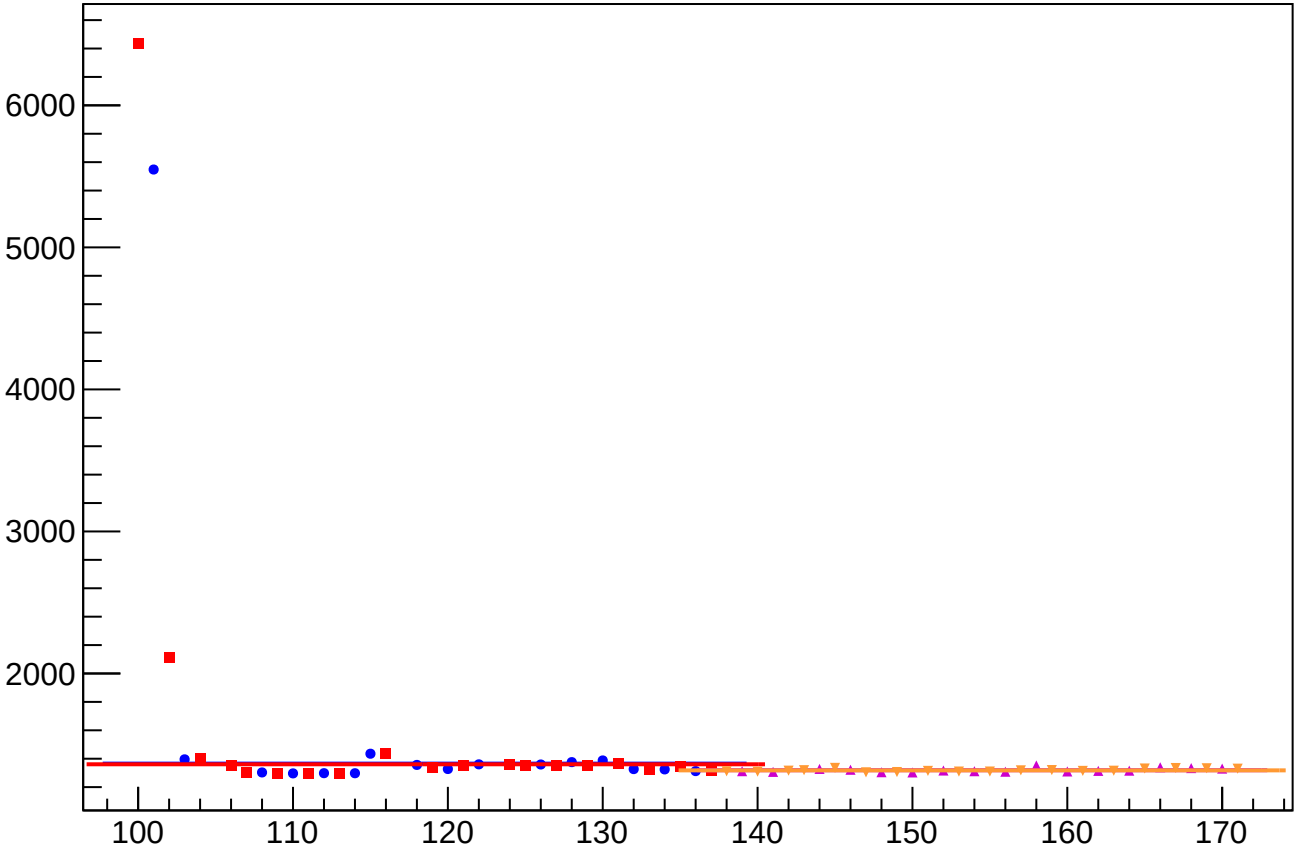
Left In: 154.415+/-362.769 χ^2/NDF:21.2/15

\+ sign -73.233+/-289.995 χ^2/NDF: 38.8/33

All: 49.142+/-206.876 χ^2/NDF: 70.4/68

\- sign 175.955+/-295.207 χ^2/NDF: 31.2/34

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.967+/-0.247 χ^2/NDF:1586.1/17

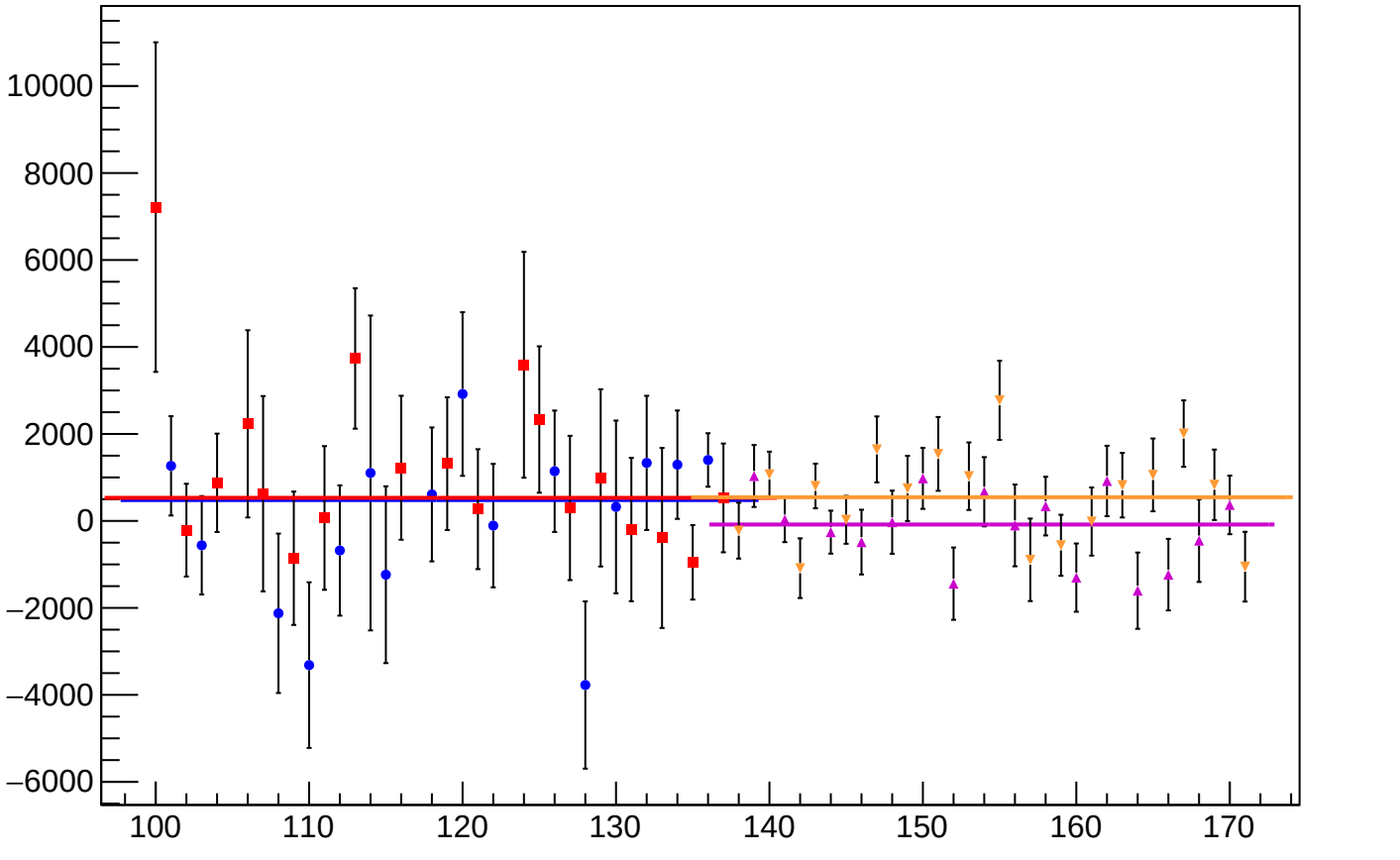
Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1319.048+/-0.257 χ^2/NDF:2673.1/15

+ sign 1332.623+/-0.205 χ^2/NDF: 771921.3/33

All: 1332.878+/-0.146 χ^2/NDF: 988849.3/68

- sign 1333.141+/-0.209 χ^2/NDF: 216924.8/34



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 543.897+/-166.944 χ^2/NDF:32.7/17

Right Out: 530.531+/-346.104 χ^2/NDF: 15.6/18

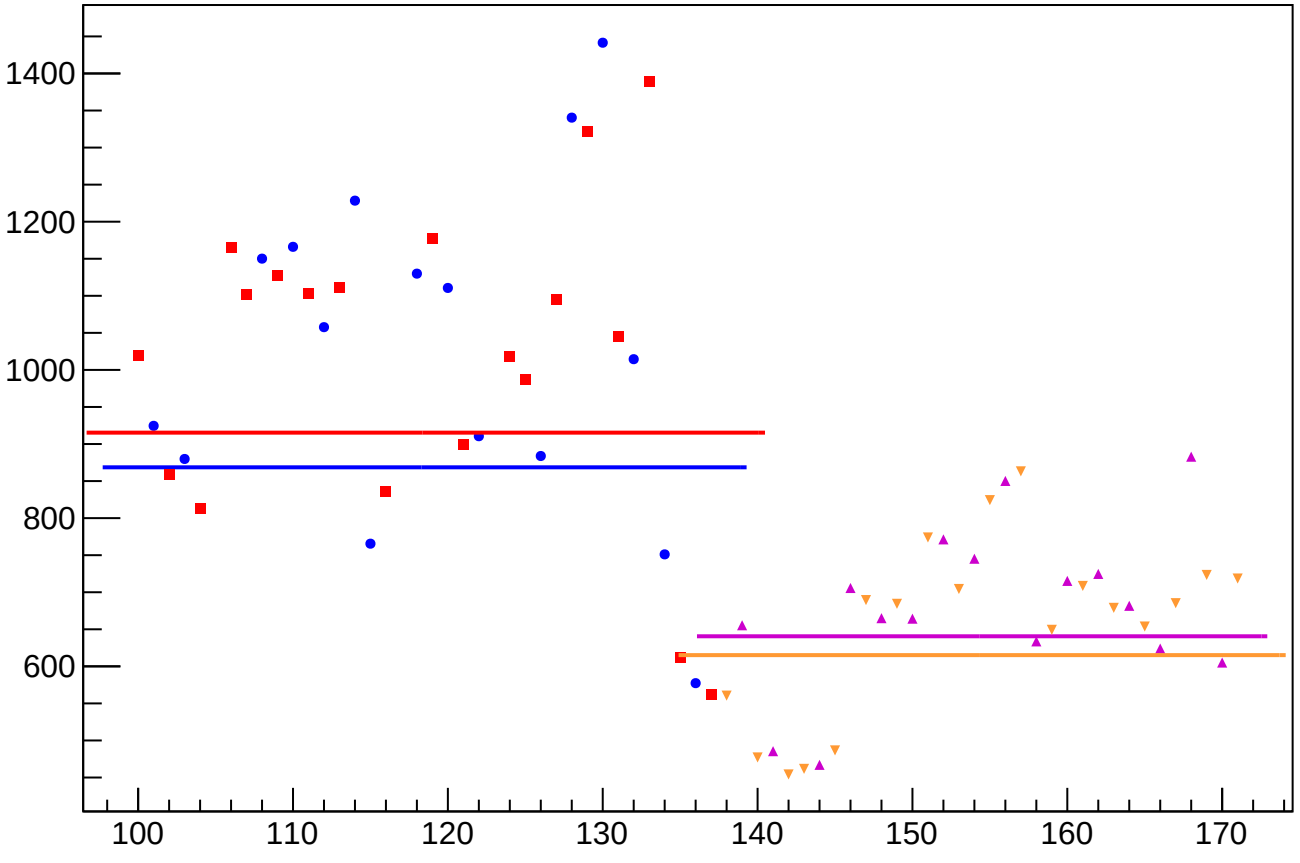
Left In: -82.722+/-179.317 χ^2/NDF:18.7/15

\+ sign 531.356+/-149.552 χ^2/NDF: 51.4/33

All: 304.350+/-109.006 χ^2/NDF: 93.1/68

\- sign 47.057+/-159.217 χ^2/NDF: 36.8/34

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 615.148+/-0.118 χ^2/NDF:1065099.4/17

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

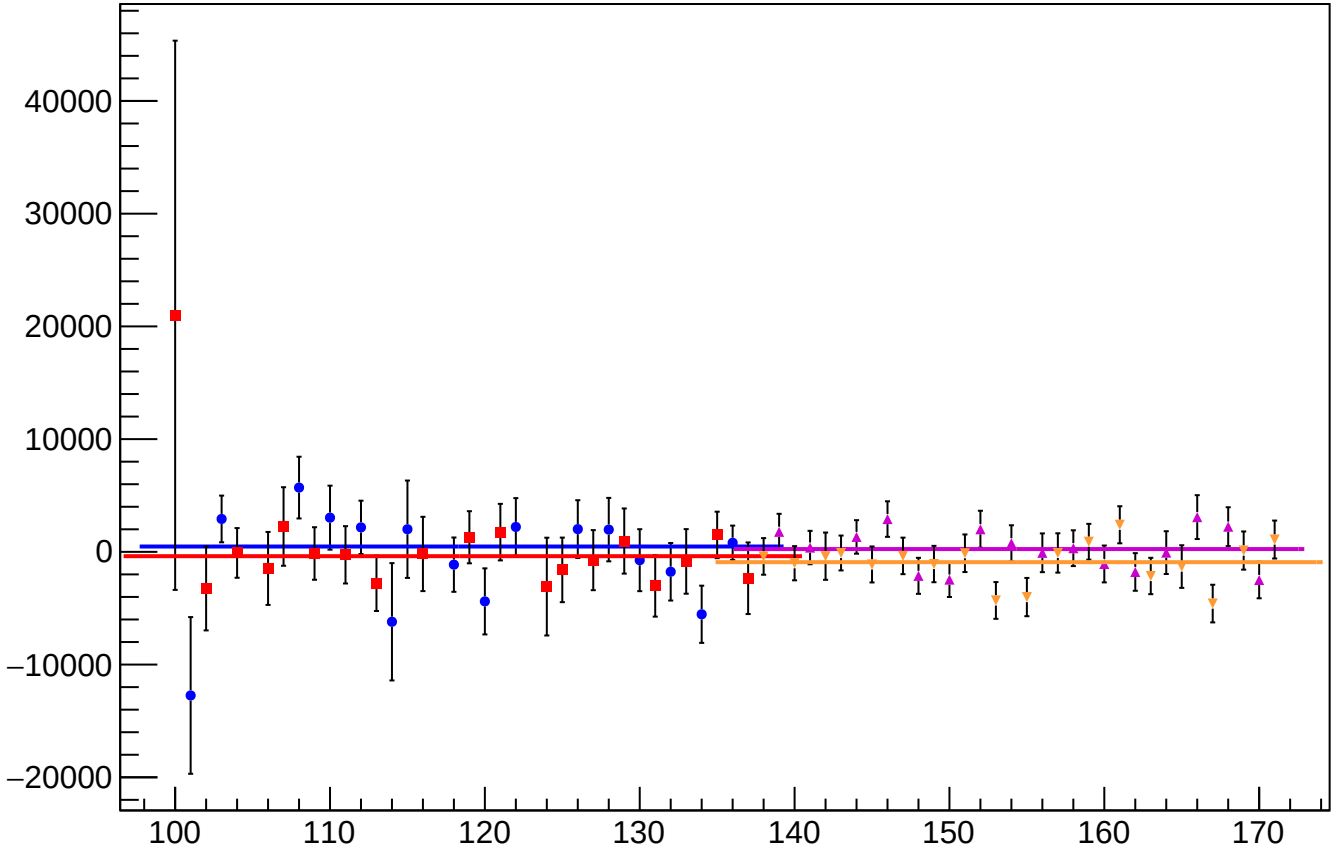
Left In: 640.579+/-0.127 χ^2/NDF:809690.3/15

+ sign 665.199+/-0.106 χ^2/NDF: 2996647.6/33

All: 680.915+/-0.077 χ^2/NDF: 5706208.8/68

- sign 698.729+/-0.113 χ^2/NDF: 2662437.1/34

asym_usr_atr1_dd_mean vs Slug



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -915.406+/-391.631 χ^2/NDF:21.3/17

Right Out: -384.785+/-641.994 χ^2/NDF: 7.3/18

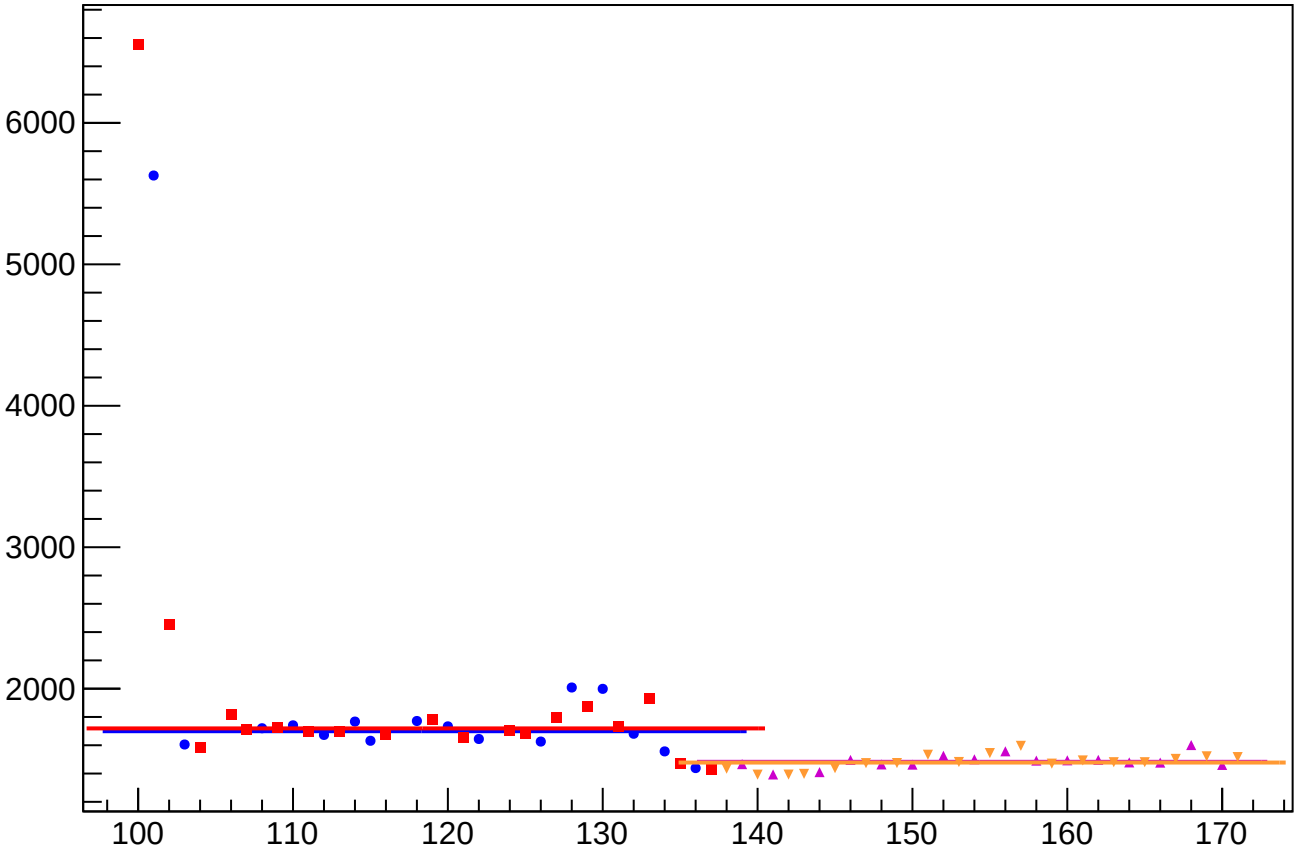
Left In: 247.389+/-408.062 χ^2/NDF:19.4/15

+ sign -544.862+/-335.345 χ^2/NDF: 47.4/33

All: -247.806+/-240.256 χ^2/NDF: 76.3/68

- sign 65.479+/-344.383 χ^2/NDF: 27.3/34

asym_usr_atr1_dd_rms vs Slug



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1477.749+/-0.277 χ^2/NDF:35262.5/17

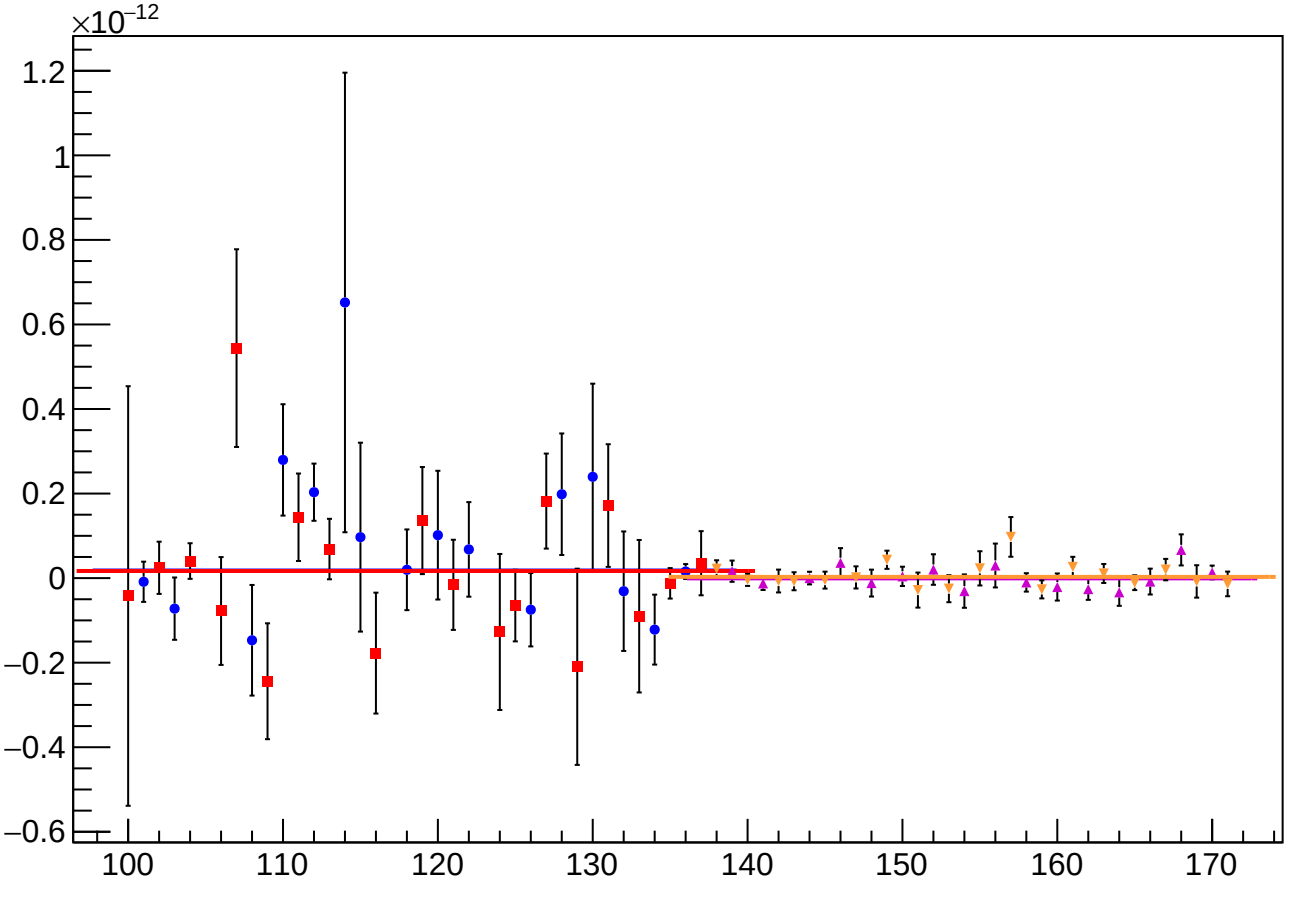
Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.857+/-0.289 χ^2/NDF:28509.0/15

+ sign 1536.864+/-0.237 χ^2/NDF: 968168.2/33

All: 1543.665+/-0.170 χ^2/NDF: 1425016.3/68

- sign 1550.838+/-0.244 χ^2/NDF: 455158.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/17

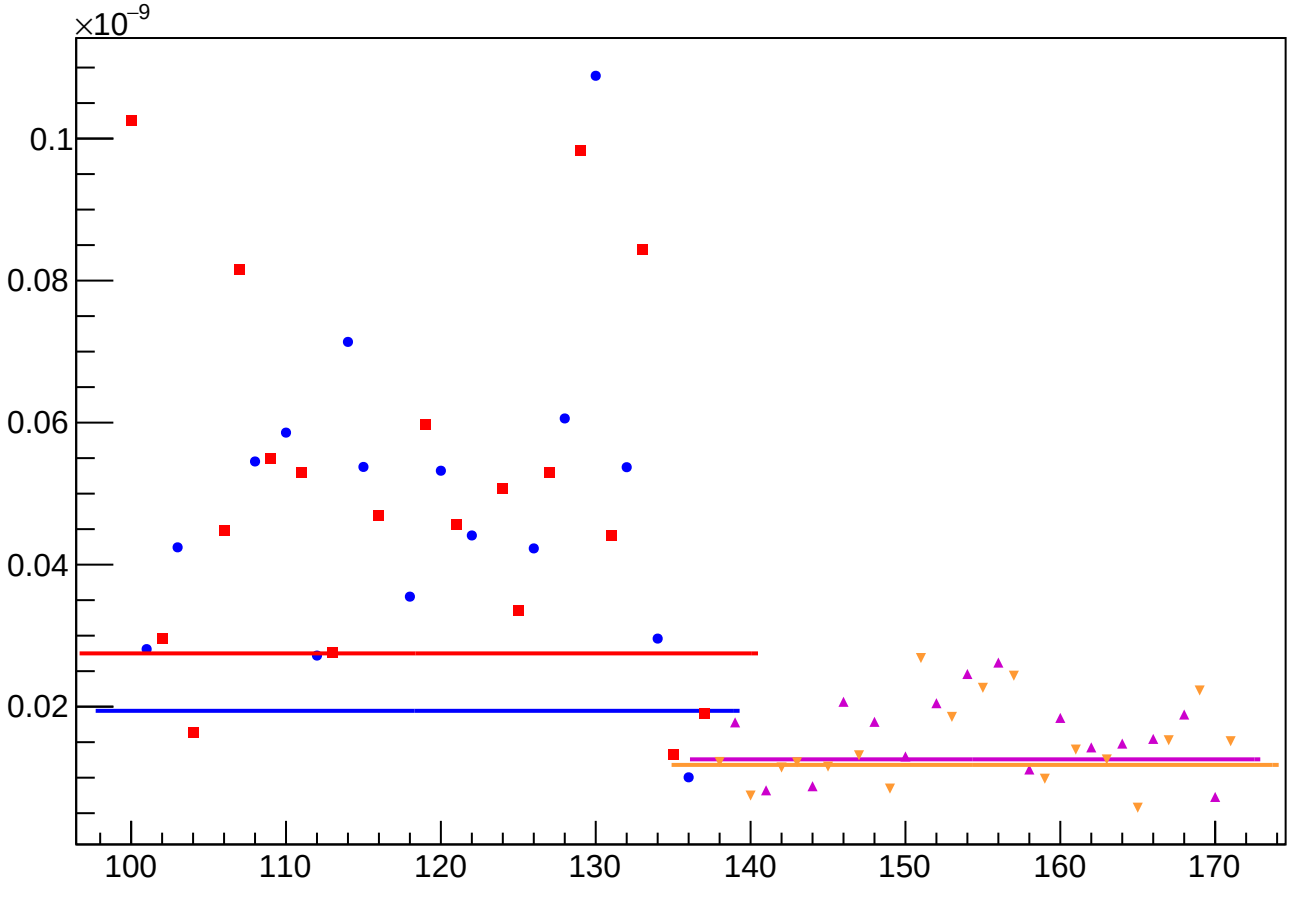
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/33

All: 0.000+/-0.000 χ^2/NDF: 72.6/68

- sign 0.000+/-0.000 χ^2/NDF: 32.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1360606.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

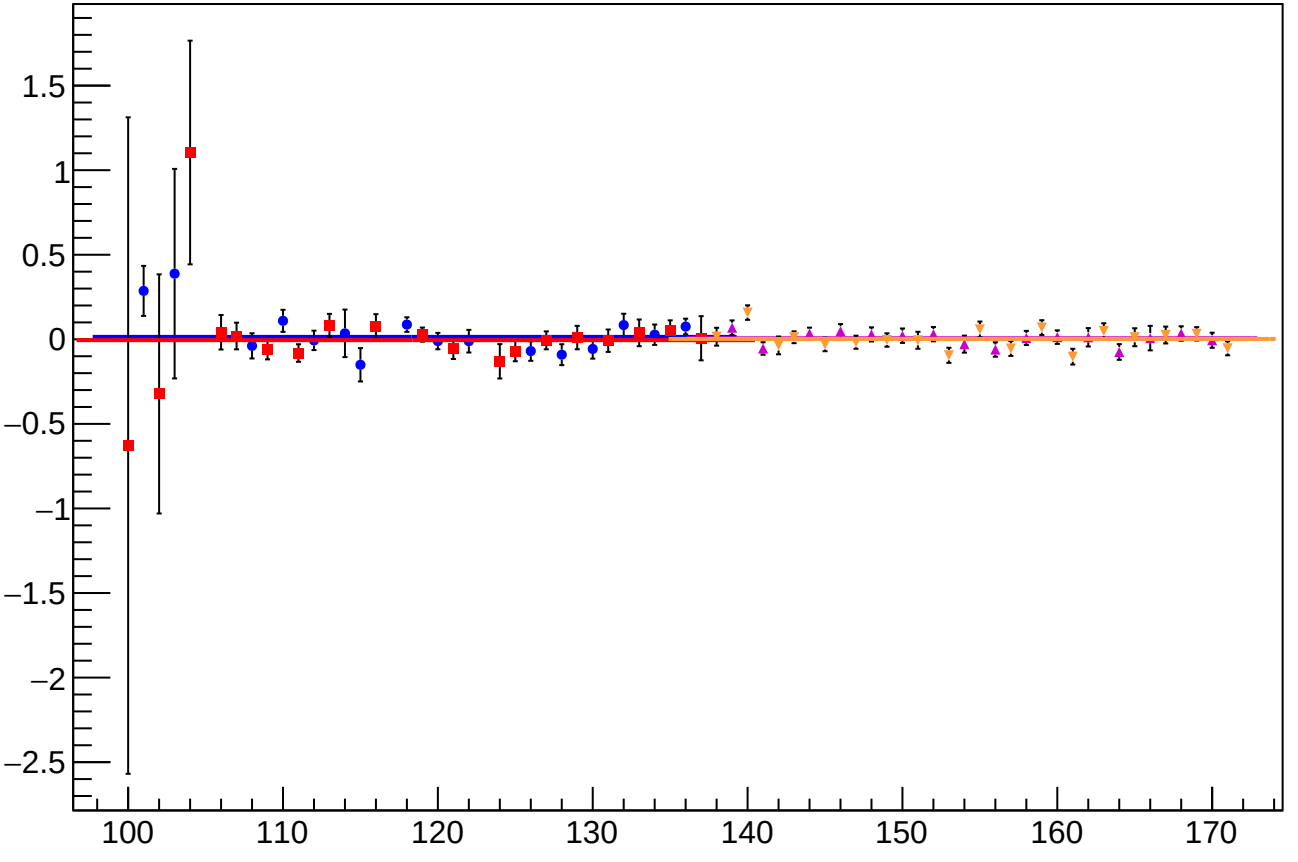
Left In: 0.000+/-0.000 χ^2/NDF:1337132.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 4123247.5/33

All: 0.000+/-0.000 χ^2/NDF: 8262161.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4093989.0/34

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

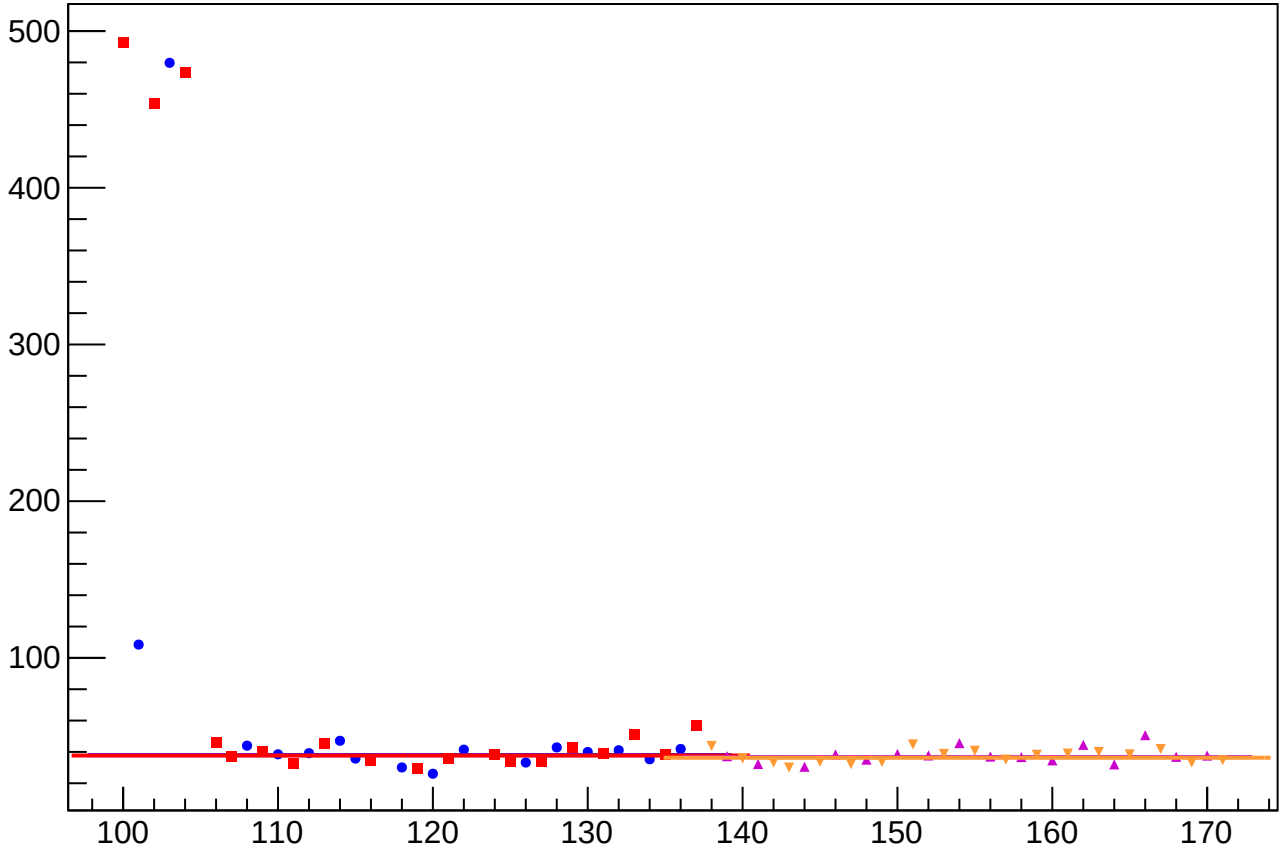
Left In: 0.006+/-0.011 χ^2/NDF:13.7/15

+ sign 0.006+/-0.009 χ^2/NDF: 56.1/33

All: 0.004+/-0.006 χ^2/NDF: 85.1/68

- sign 0.003+/-0.009 χ^2/NDF: 28.9/34

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: 36.305+/-0.007 χ^2/NDF:300691.5/17

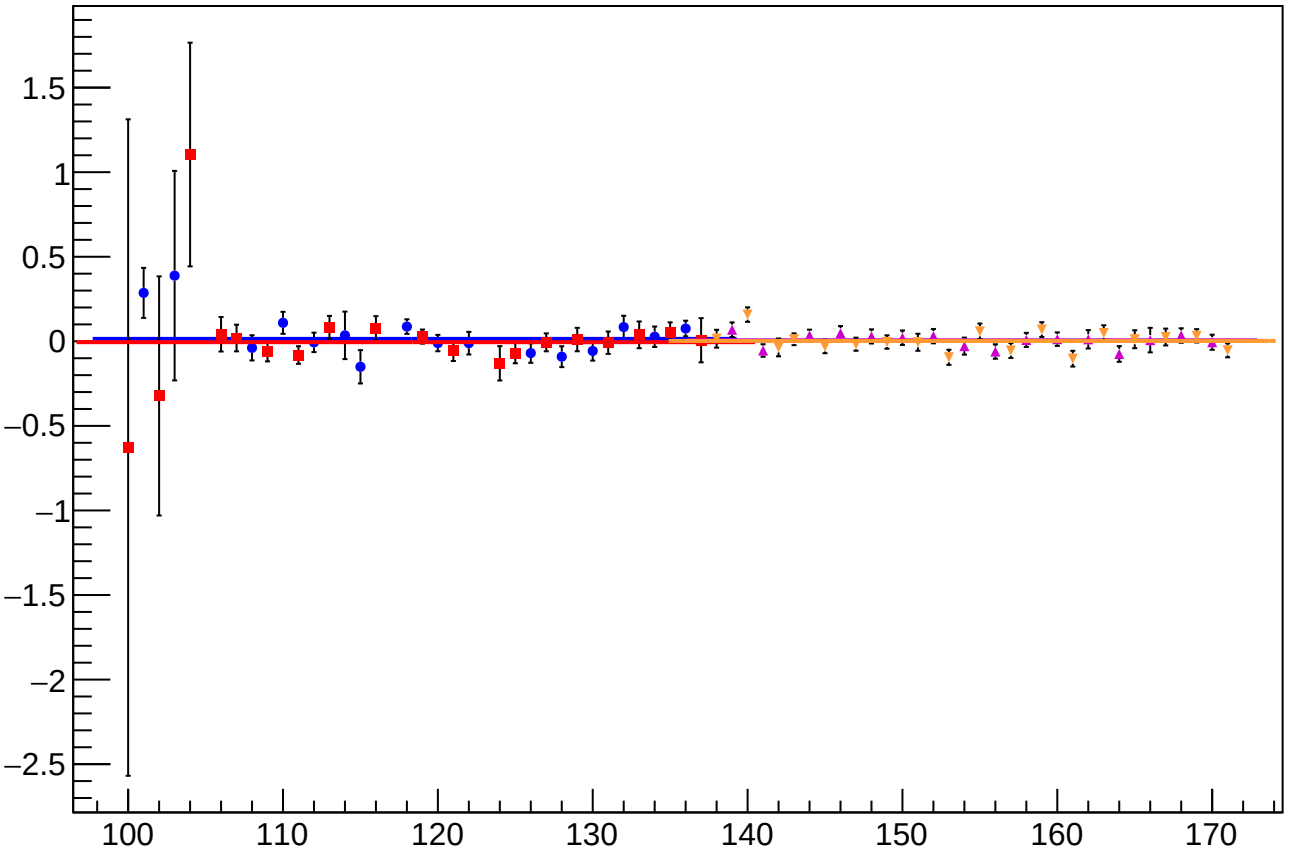
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.670+/-0.008 χ^2/NDF:309208.4/15

\+ sign 36.791+/-0.006 χ^2/NDF: 2055210.4/33

All: 36.888+/-0.004 χ^2/NDF: 4315424.5/68

\- sign 36.991+/-0.006 χ^2/NDF: 2259703.1/34



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

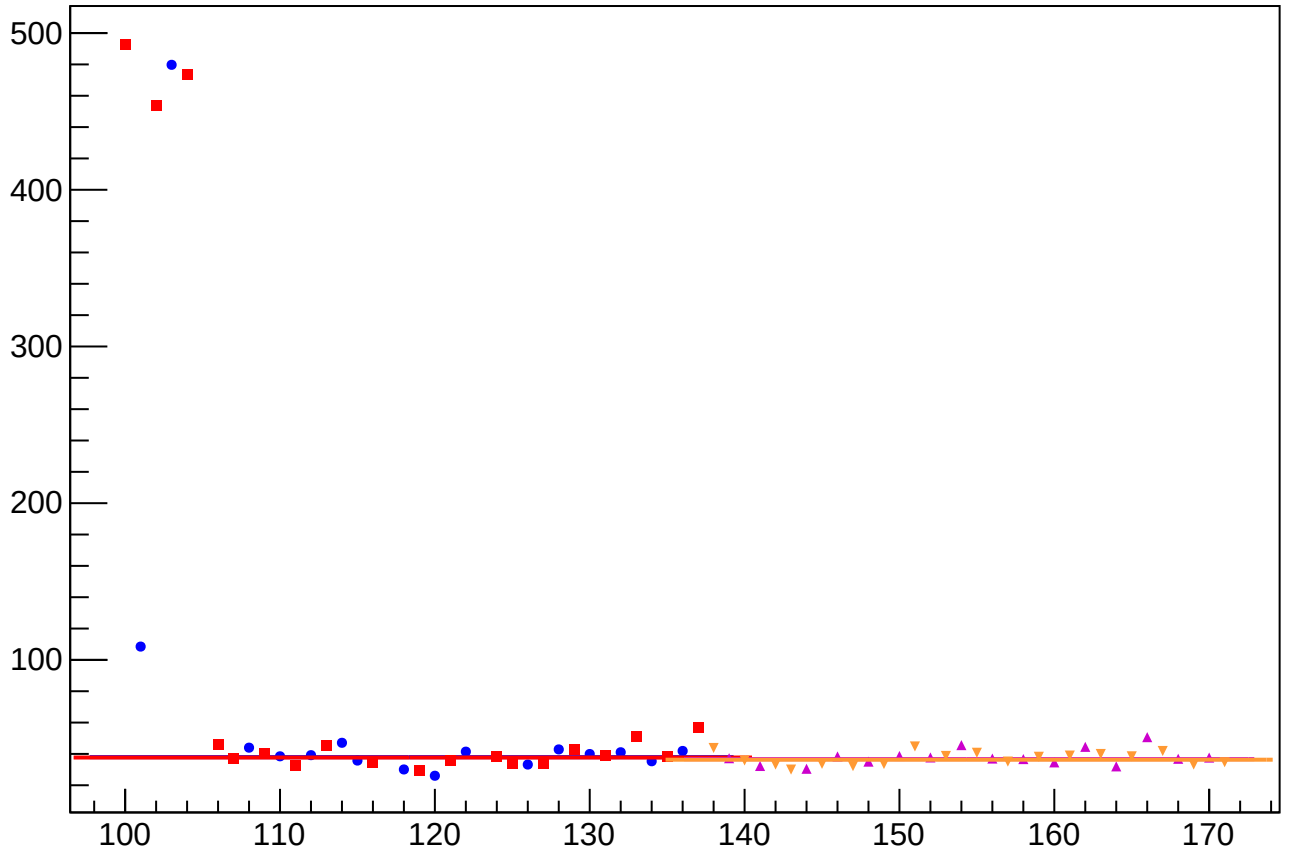
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.006+/-0.011 χ^2/NDF:13.7/15

+ sign 0.006+/-0.009 χ^2/NDF: 56.1/33

All: 0.004+/-0.006 χ^2/NDF: 85.1/68

- sign 0.003+/-0.009 χ^2/NDF: 28.9/34



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.305+/-0.007 χ^2/NDF:300691.5/17

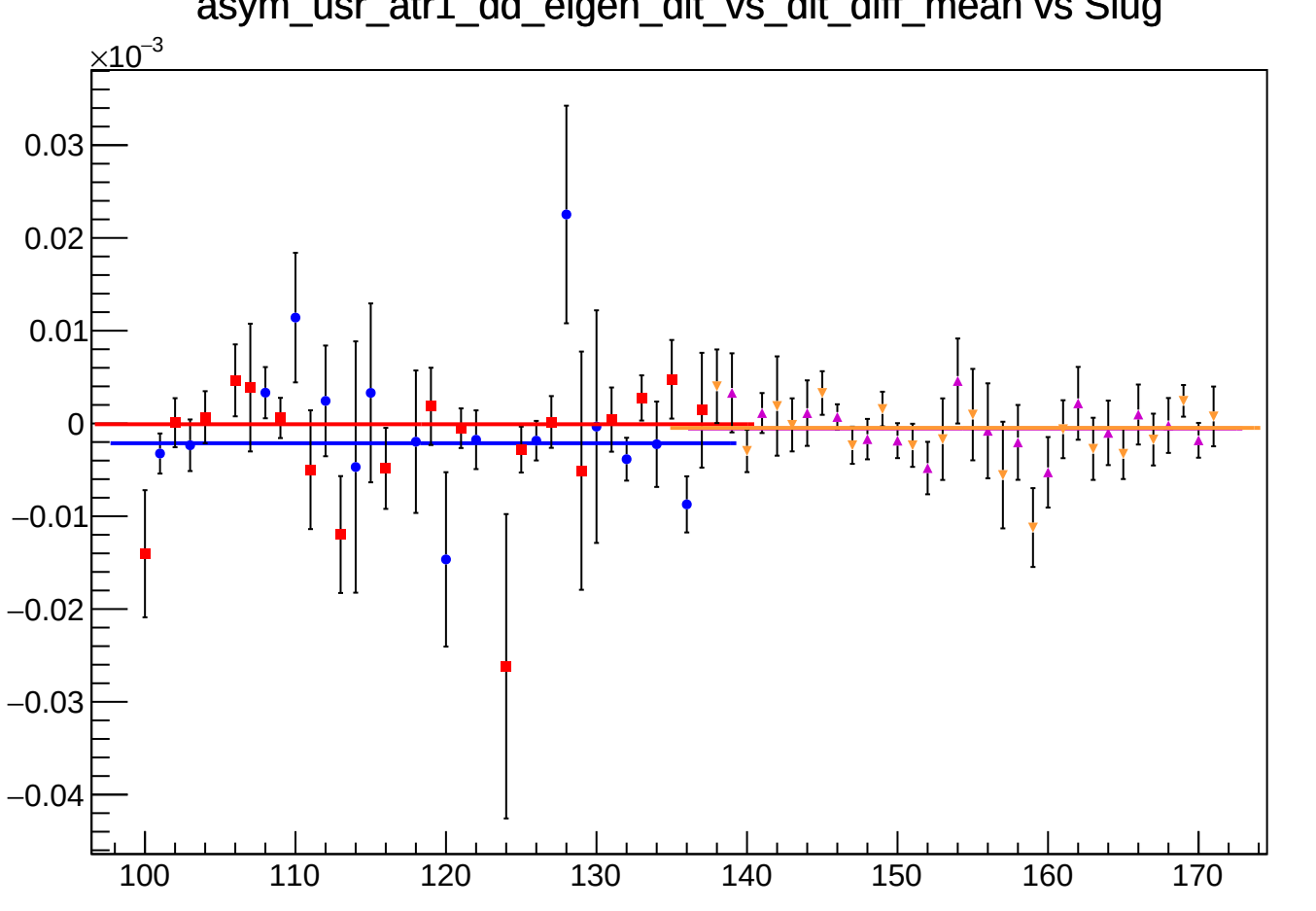
Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.670+/-0.008 χ^2/NDF:309208.4/15

+ sign 36.791+/-0.006 χ^2/NDF: 2055210.4/33

All: 36.888+/-0.004 χ^2/NDF: 4315424.5/68

- sign 36.991+/-0.006 χ^2/NDF: 2259703.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/17

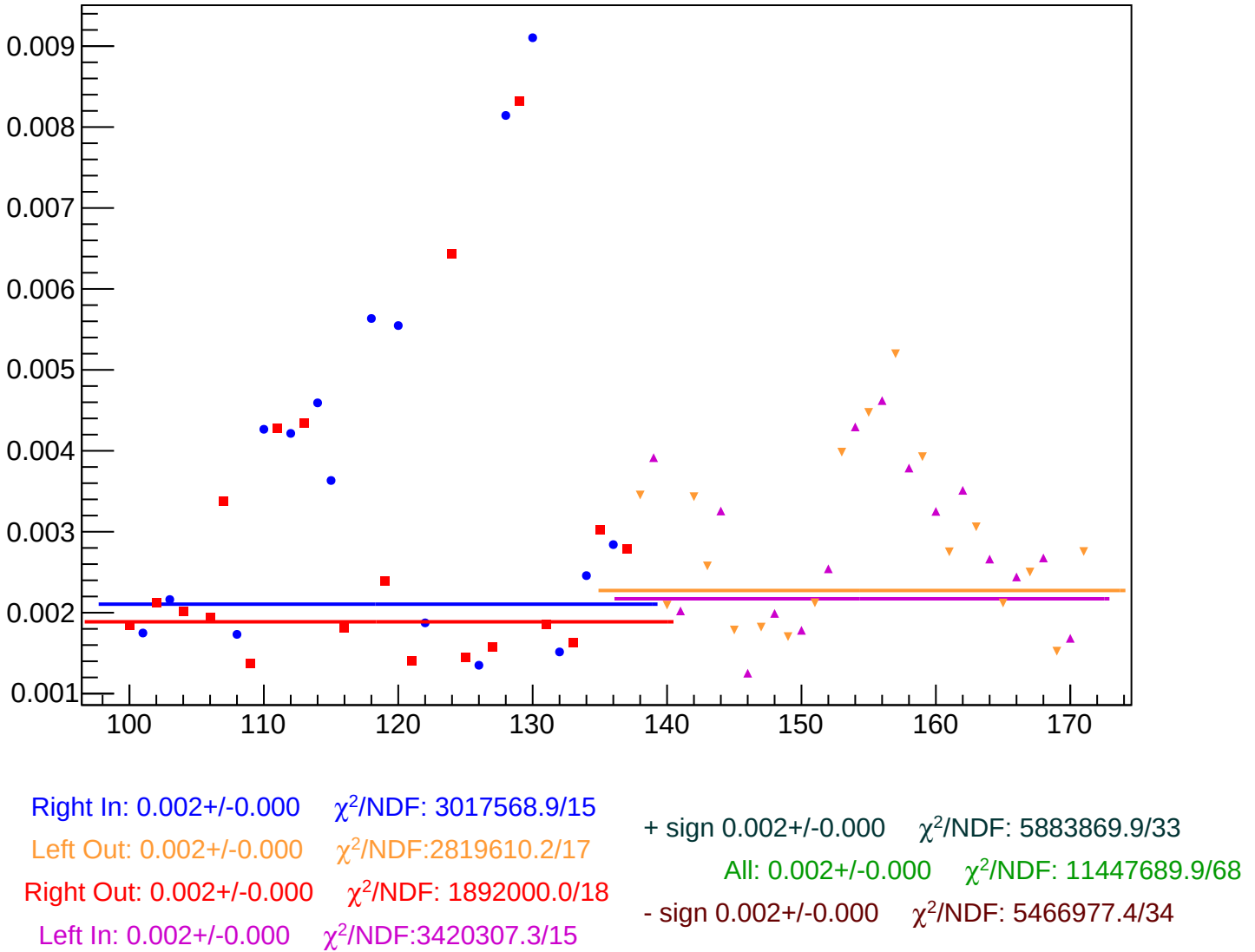
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/33

All: -0.000+/-0.000 χ^2/NDF: 71.8/68

- sign -0.000+/-0.000 χ^2/NDF: 28.2/34


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.009
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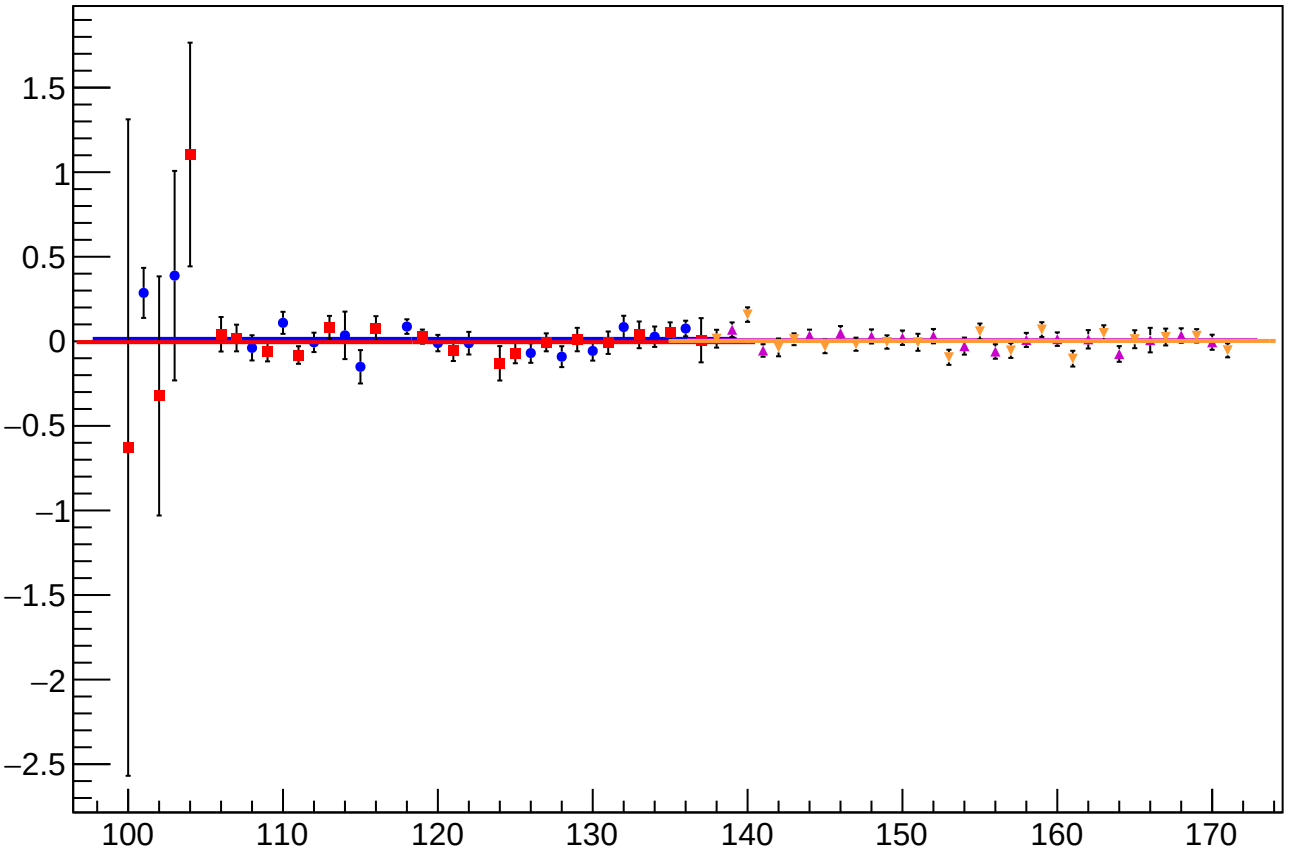
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3017568.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2819610.2/17
Right Out: 0.002+/-0.000 χ²/NDF: 1892000.0/18
Left In: 0.002+/-0.000 χ²/NDF:3420307.3/15
+ sign 0.002+/-0.000 χ²/NDF: 5883869.9/33
All: 0.002+/-0.000 χ²/NDF: 11447689.9/68
- sign 0.002+/-0.000 χ²/NDF: 5466977.4/34



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

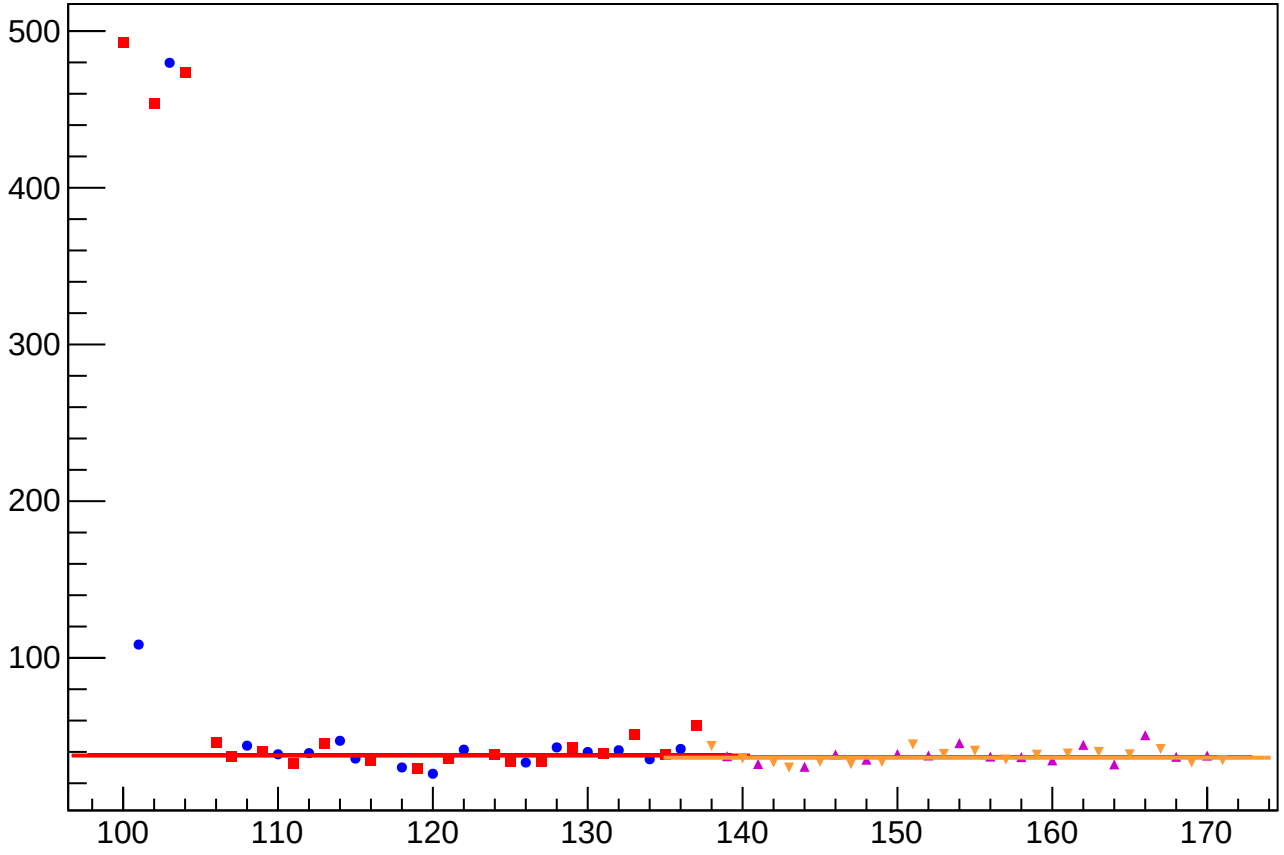
Left In: 0.006+/-0.011 χ^2/NDF:13.7/15

+ sign 0.006+/-0.009 χ^2/NDF: 56.1/33

All: 0.004+/-0.006 χ^2/NDF: 85.1/68

- sign 0.003+/-0.009 χ^2/NDF: 28.9/34

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: 36.305+/-0.007 χ^2/NDF:300746.8/17

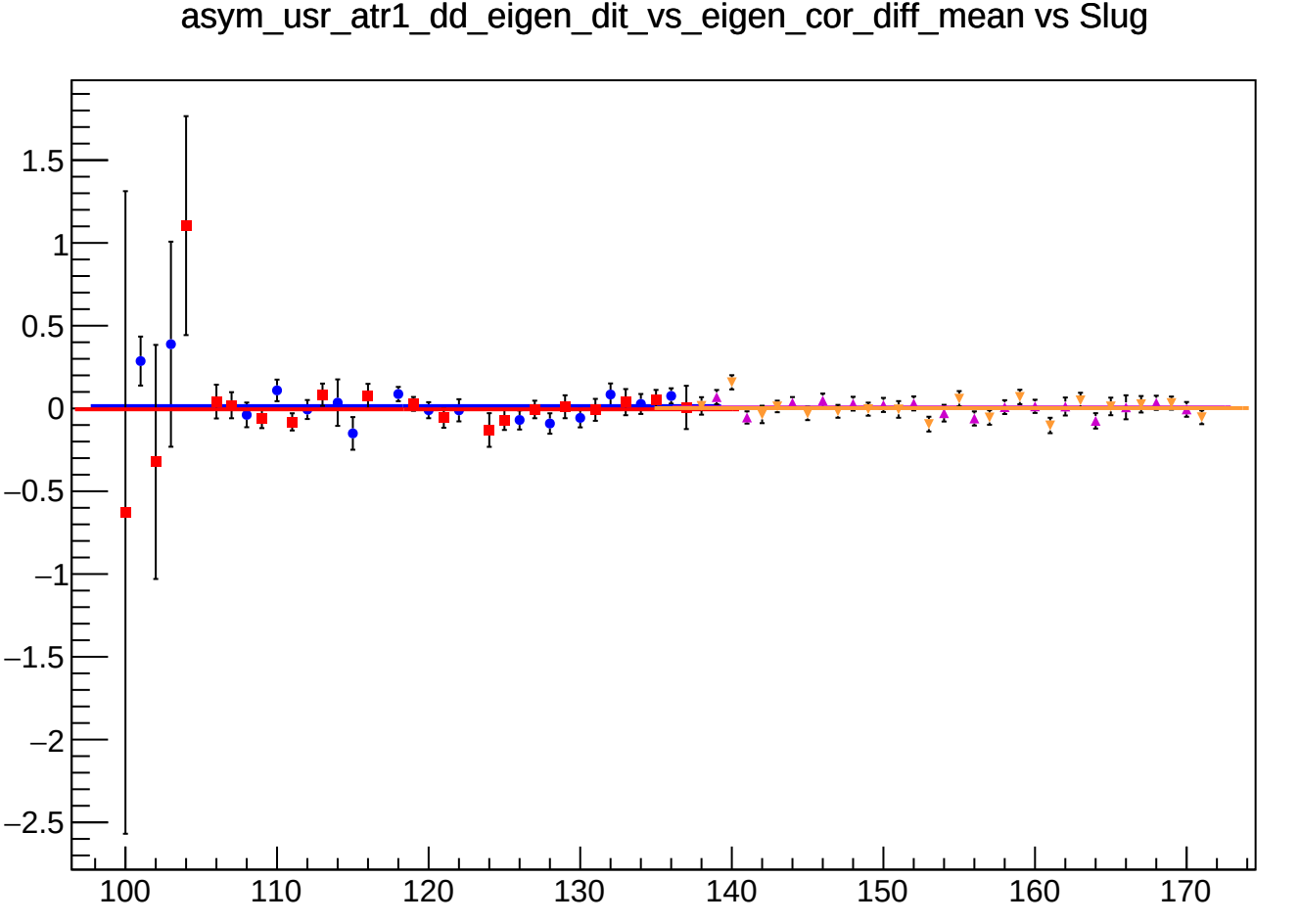
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.670+/-0.008 χ^2/NDF:309244.4/15

+ sign 36.791+/-0.006 χ^2/NDF: 2055271.5/33

All: 36.887+/-0.004 χ^2/NDF: 4315588.1/68

- sign 36.990+/-0.006 χ^2/NDF: 2259807.2/34



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

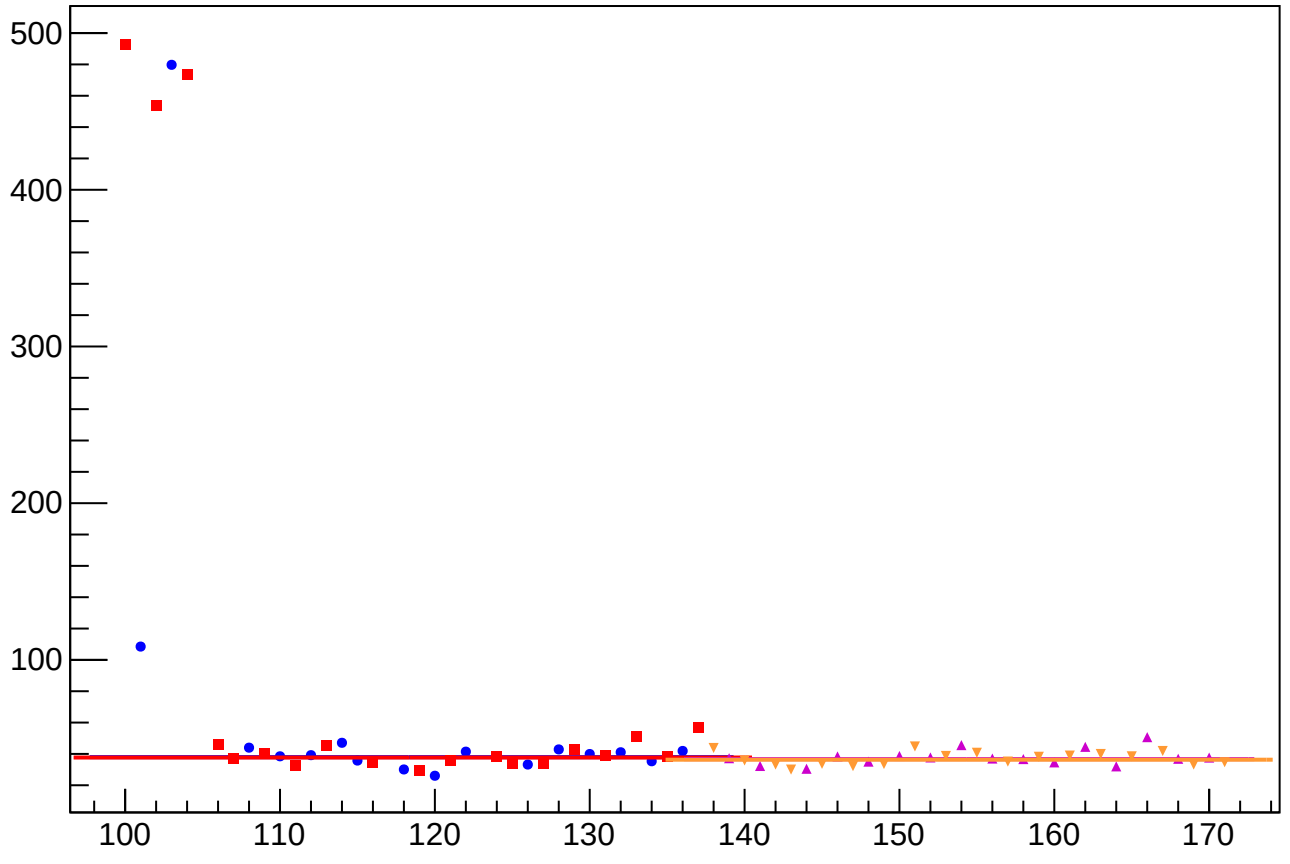
Right Out: -0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: 0.006+/-0.011 χ^2/NDF:13.7/15

+ sign 0.006+/-0.009 χ^2/NDF: 56.1/33

All: 0.004+/-0.006 χ^2/NDF: 85.1/68

- sign 0.003+/-0.009 χ^2/NDF: 28.9/34



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.305+/-0.007 χ^2/NDF:300746.8/17

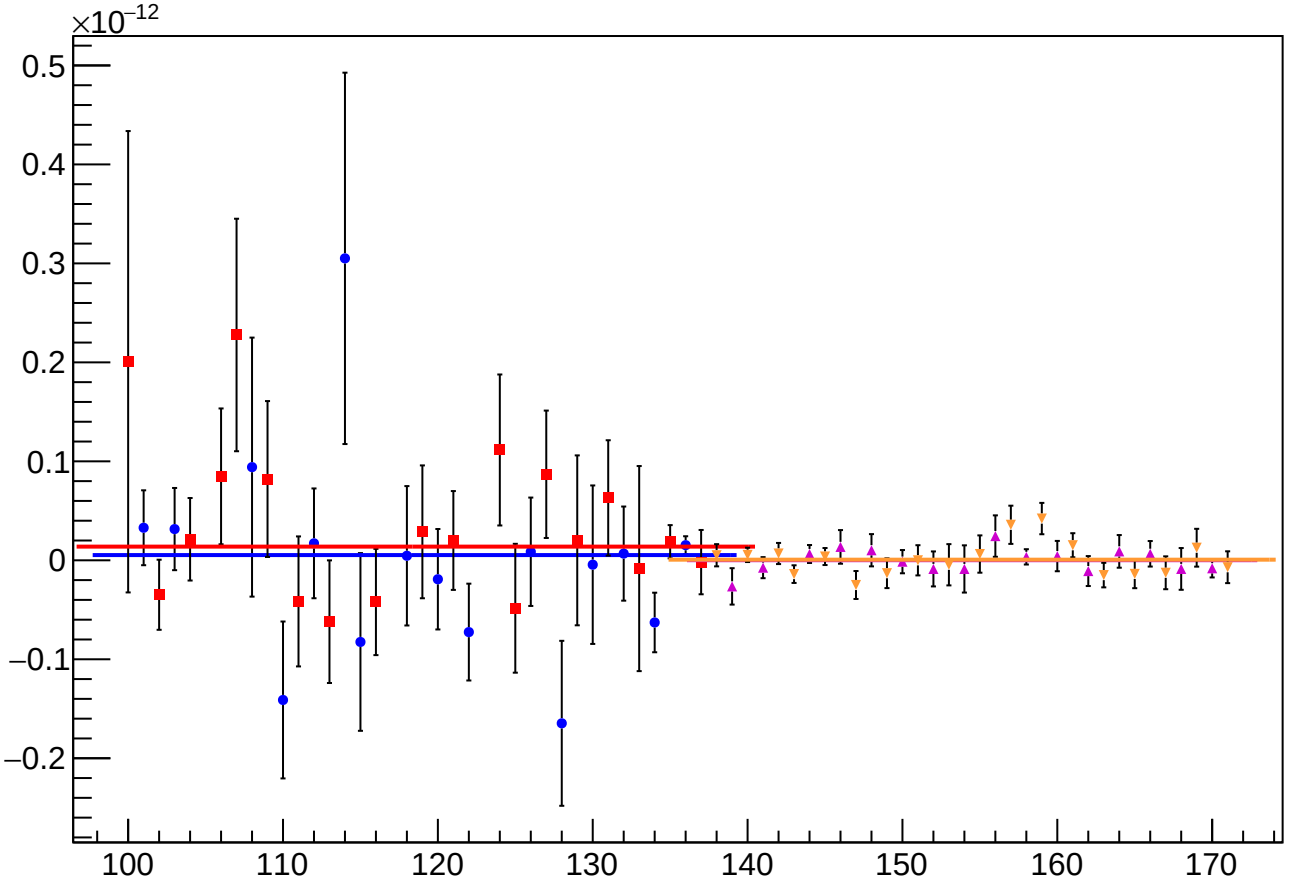
Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.670+/-0.008 χ^2/NDF:309244.4/15

+ sign 36.791+/-0.006 χ^2/NDF: 2055271.5/33

All: 36.887+/-0.004 χ^2/NDF: 4315588.1/68

- sign 36.990+/-0.006 χ^2/NDF: 2259807.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/17

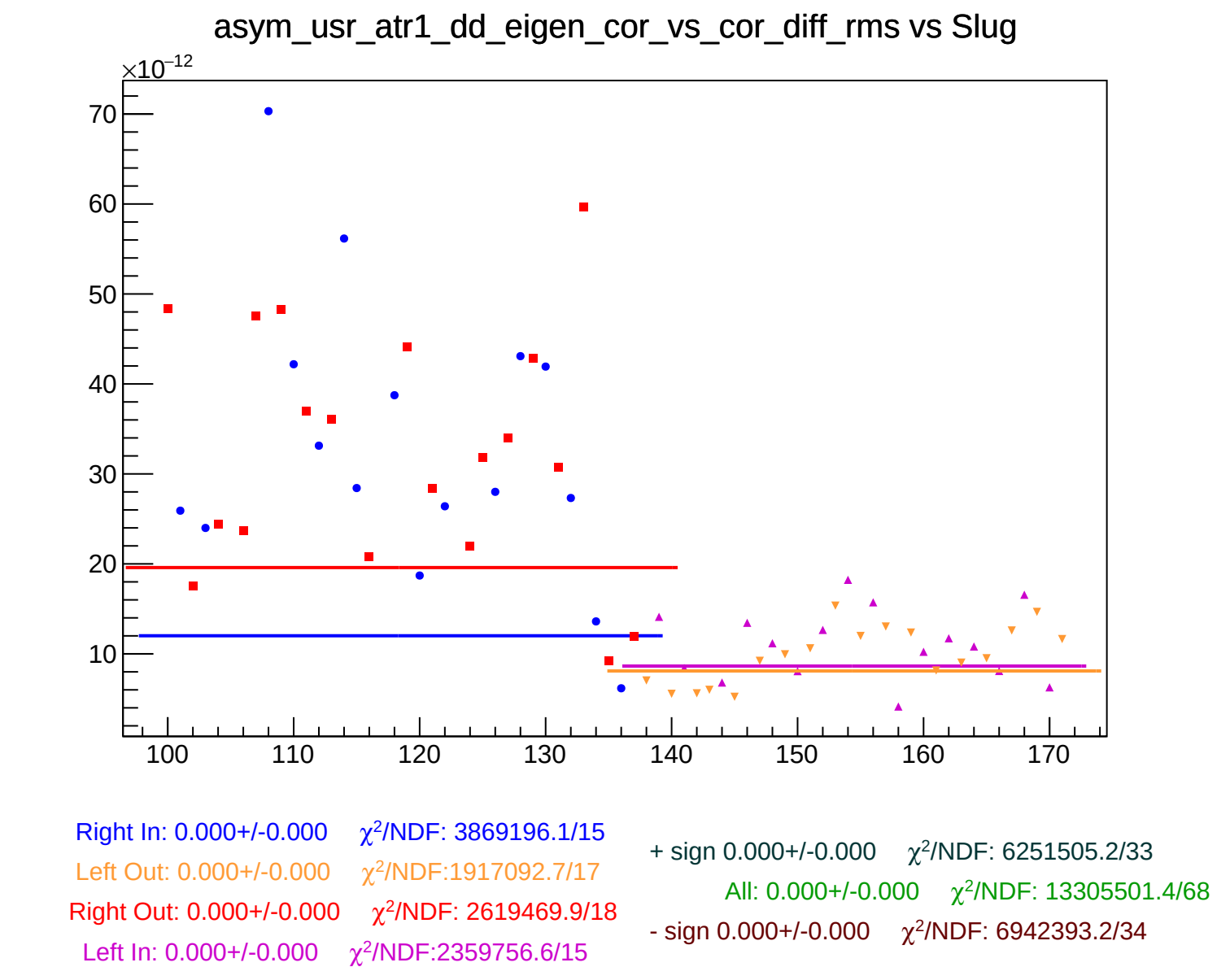
Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/33

All: 0.000+/-0.000 χ^2/NDF: 71.1/68

- sign 0.000+/-0.000 χ^2/NDF: 25.6/34


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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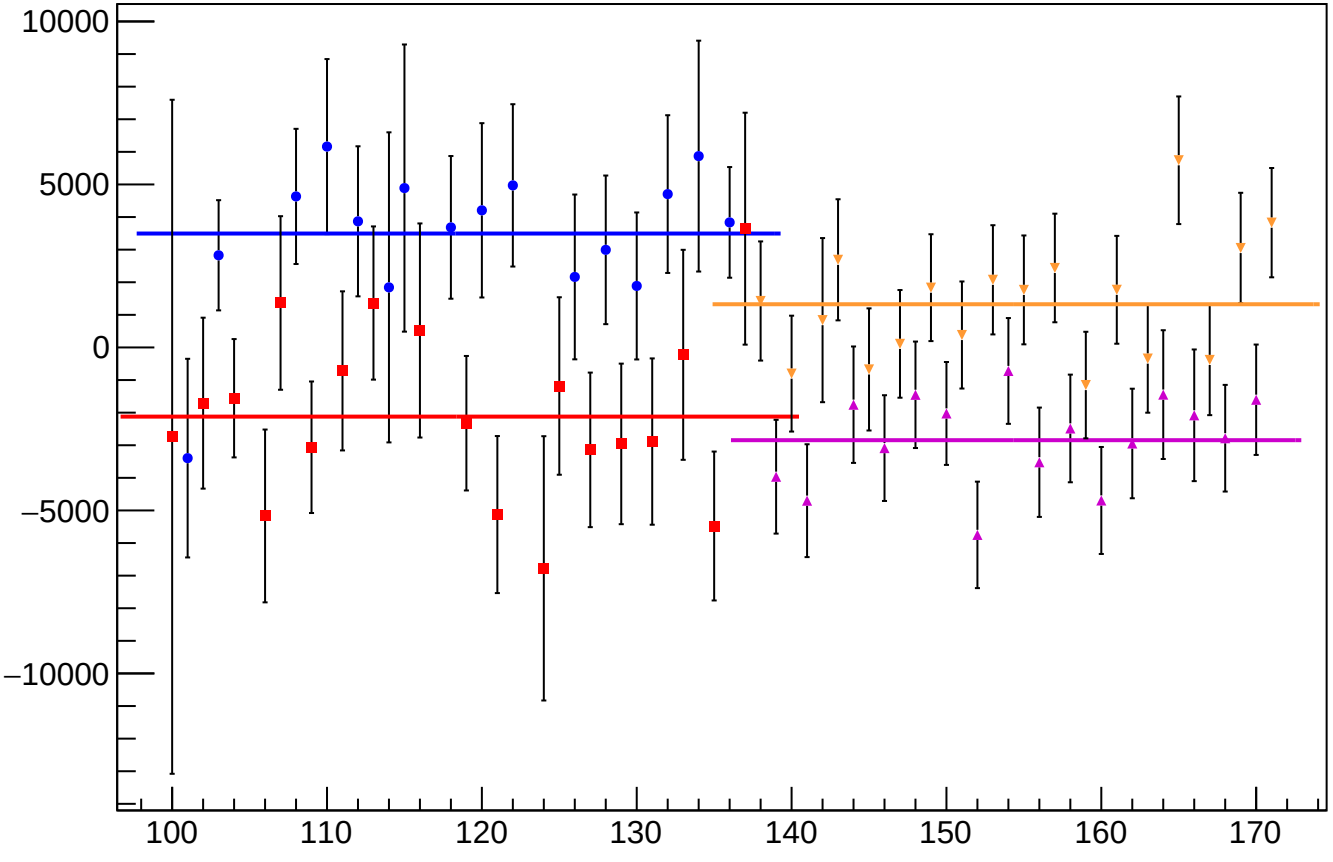
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1917092.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2359756.6/15
+ sign 0.000+/-0.000 χ²/NDF: 6251505.2/33
All: 0.000+/-0.000 χ²/NDF: 13305501.4/68
- sign 0.000+/-0.000 χ²/NDF: 6942393.2/34

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.345+/-409.940 χ^2/NDF:17.6/17

Right Out: -2121.717+/-587.617 χ^2/NDF: 15.1/18

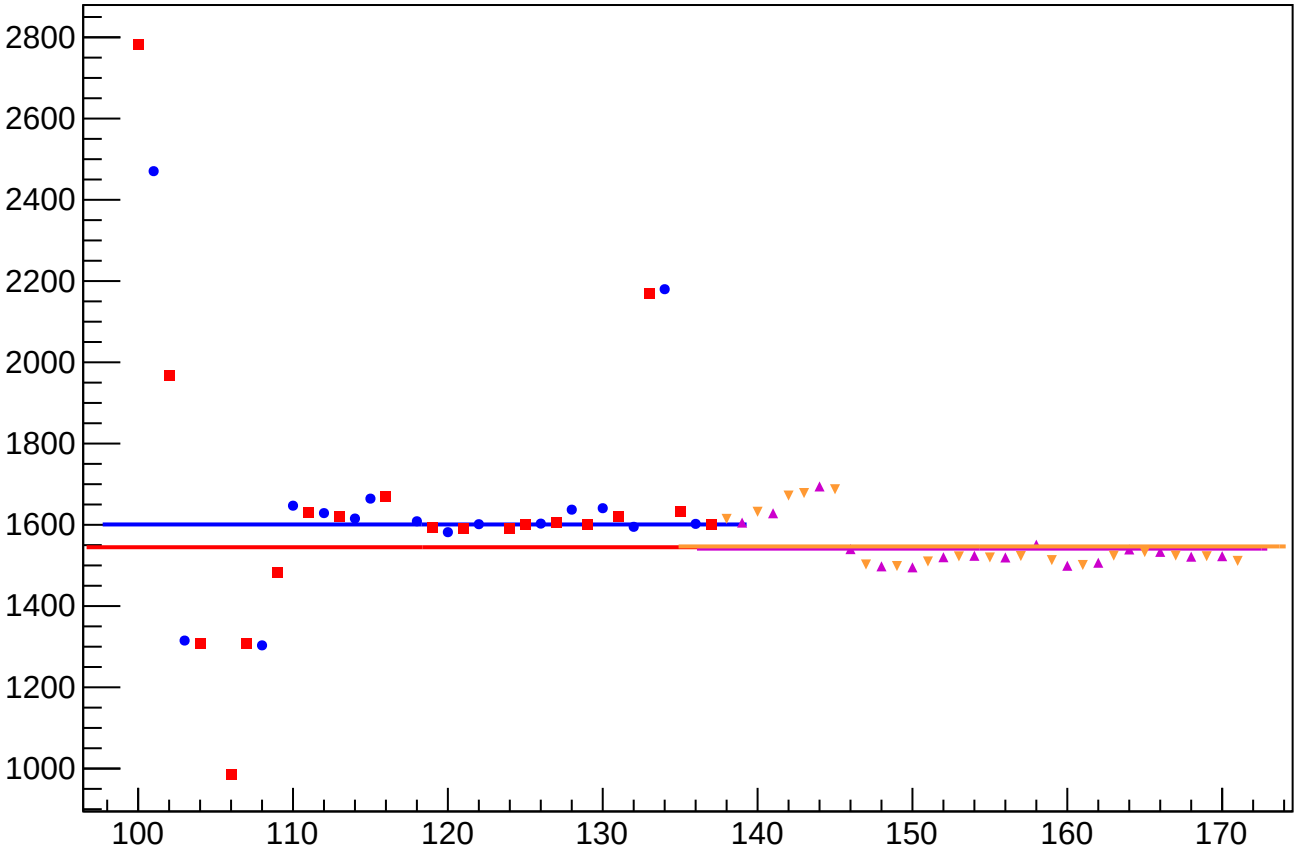
Left In: -2844.828+/-424.136 χ^2/NDF:10.5/15

+ sign 2013.780+/-338.693 χ^2/NDF: 35.3/33

All: -256.453+/-241.315 χ^2/NDF: 153.1/68

- sign -2597.142+/-343.908 χ^2/NDF: 26.6/34

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

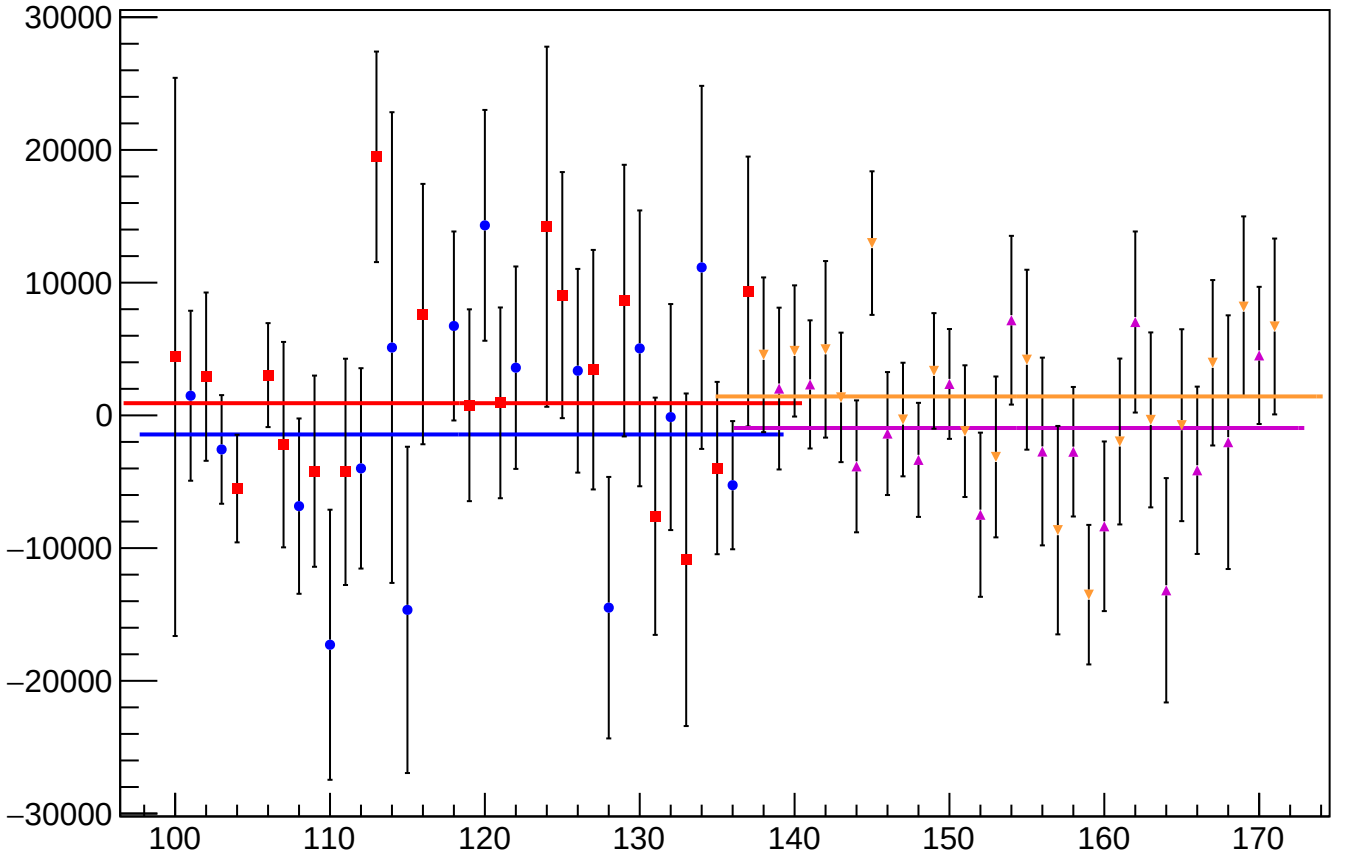
Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

+ sign 1563.958+/-0.239 χ^2/NDF: 372139.0/33

All: 1553.367+/-0.170 χ^2/NDF: 781553.1/68

- sign 1542.573+/-0.242 χ^2/NDF: 405465.0/34



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1426.542+/-1340.556 χ^2/NDF:19.0/17

Right Out: 918.485+/-1669.278 χ^2/NDF: 15.3/18

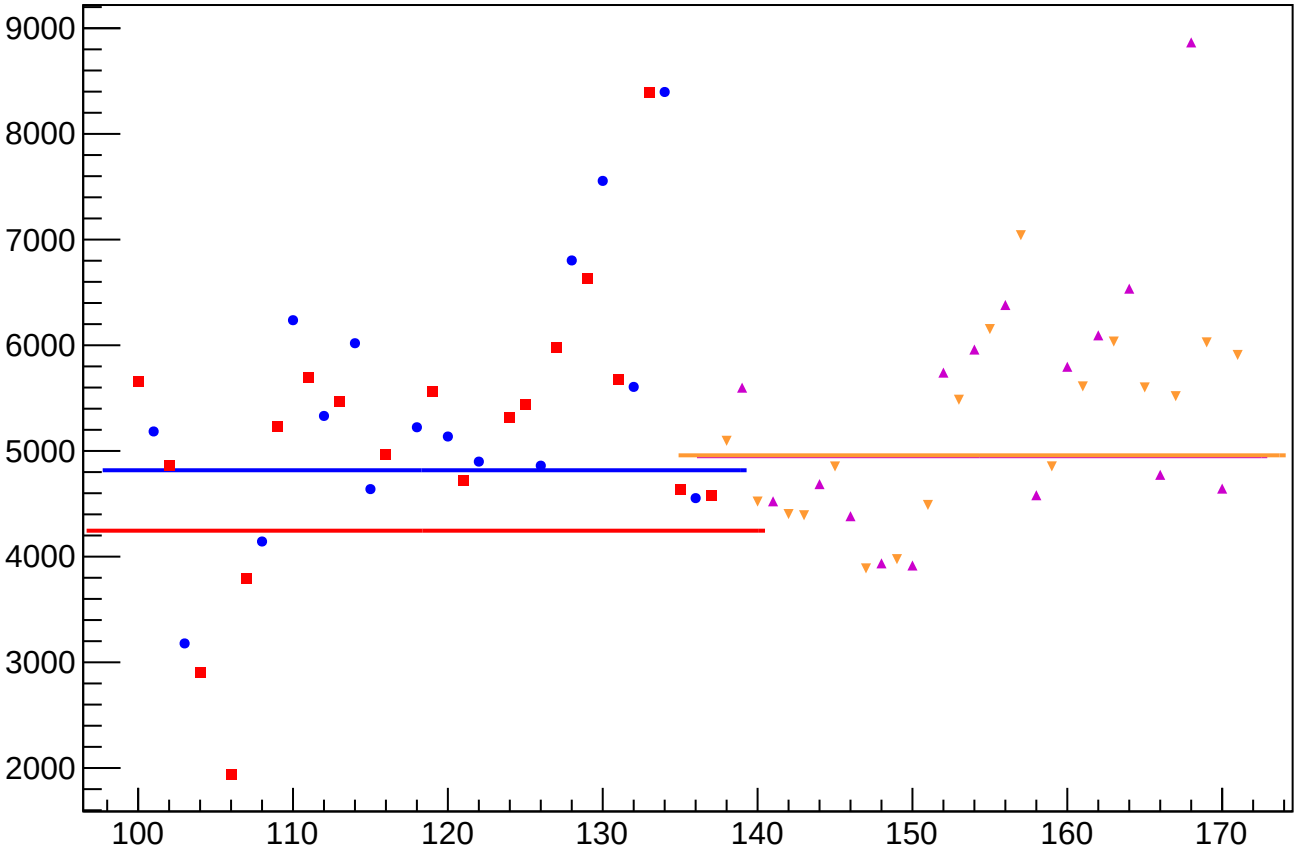
Left In: -951.327+/-1392.388 χ^2/NDF:11.1/15

+ sign 439.394+/-1085.175 χ^2/NDF: 34.4/33

All: 123.011+/-761.640 χ^2/NDF: 61.8/68

- sign -184.150+/-1069.245 χ^2/NDF: 27.2/34

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4958.642+/-0.948 χ^2/NDF:719501.1/17

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

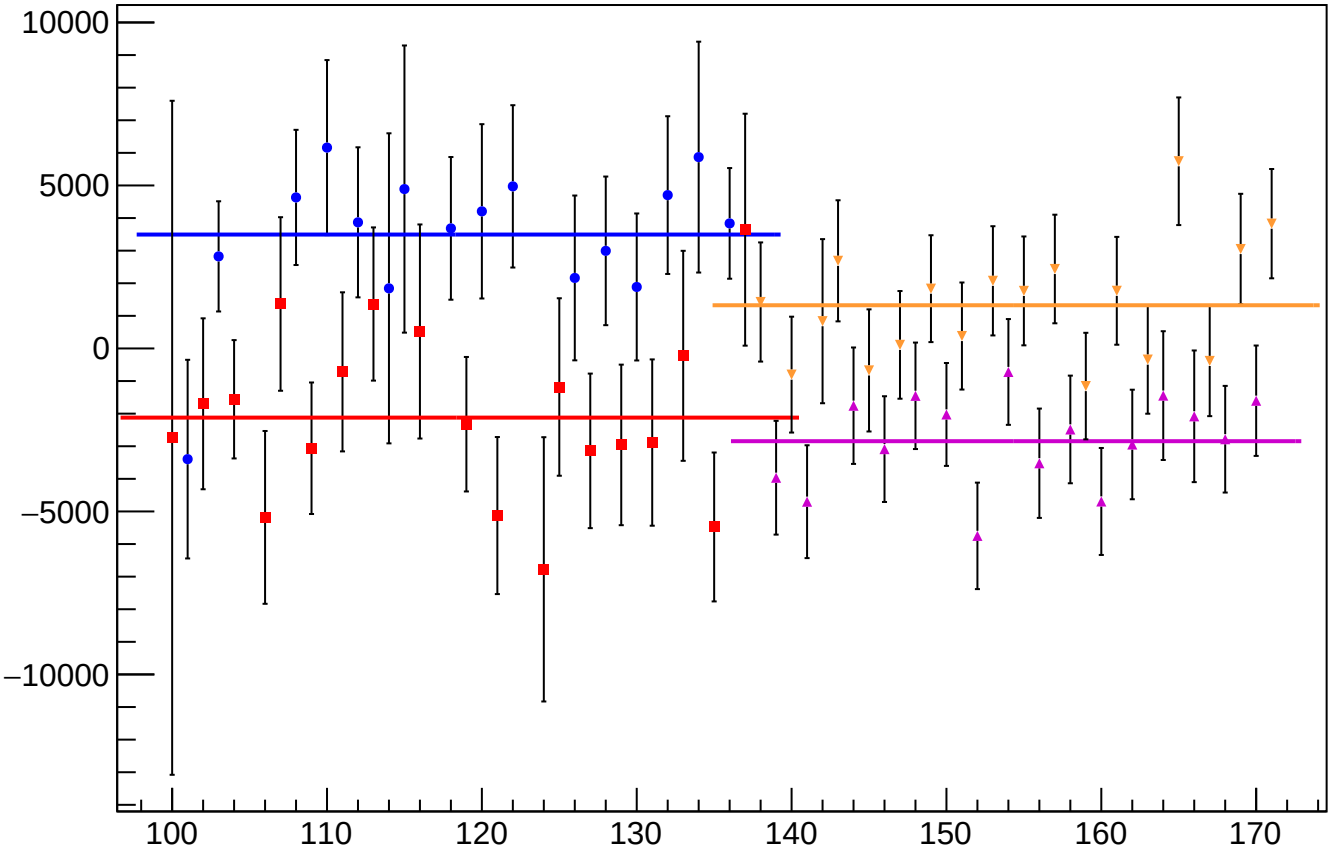
Left In: 4950.276+/-0.985 χ^2/NDF:992526.3/15

+ sign 4909.934+/-0.767 χ^2/NDF: 1522591.7/33

All: 4783.689+/-0.539 χ^2/NDF: 4461842.0/68

- sign 4661.123+/-0.756 χ^2/NDF: 2885902.5/34

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.197+/-409.940 χ^2/NDF:17.6/17

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

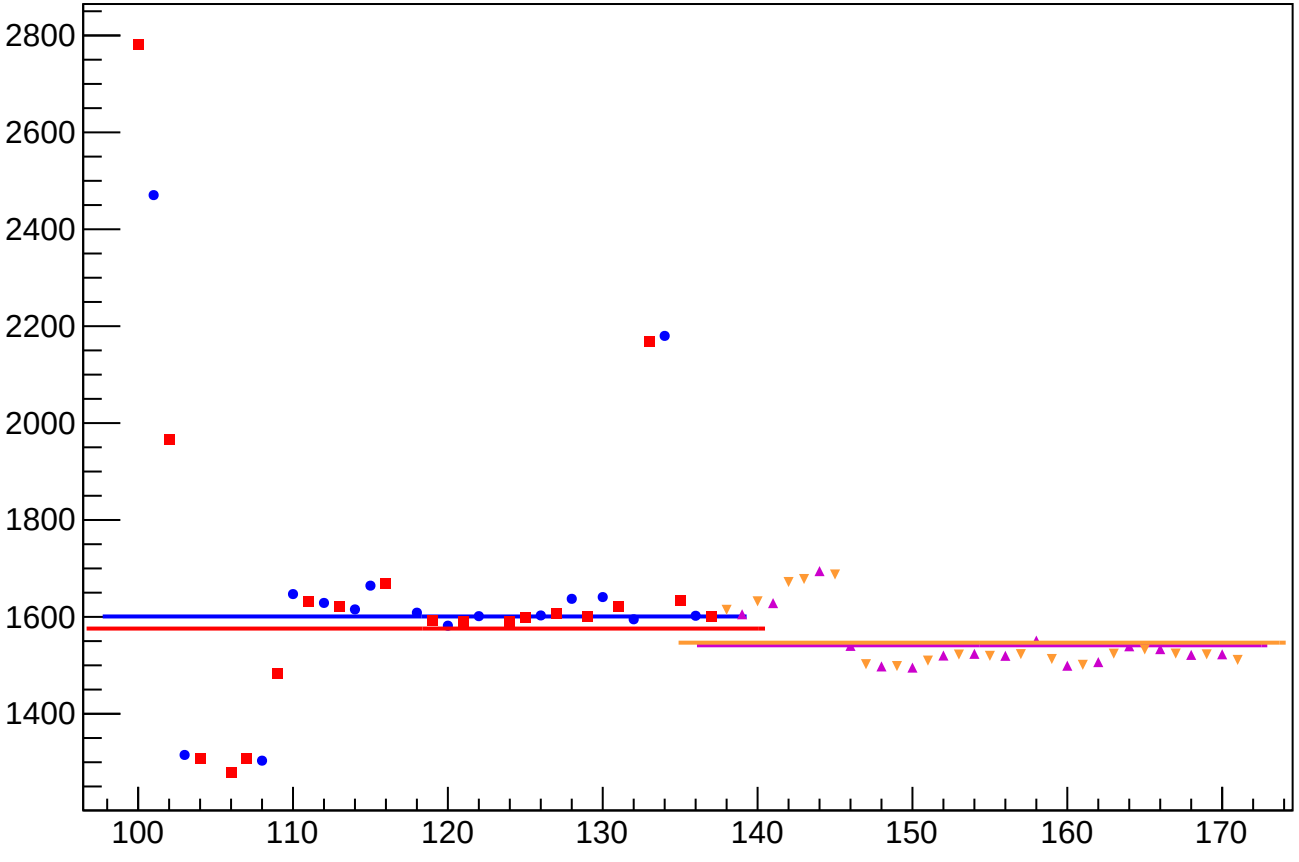
Left In: -2844.773+/-424.136 χ^2/NDF:10.5/15

+ sign 2013.572+/-338.693 χ^2/NDF: 35.3/33

All: -256.535+/-241.315 χ^2/NDF: 153.1/68

- sign -2597.104+/-343.909 χ^2/NDF: 26.6/34

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

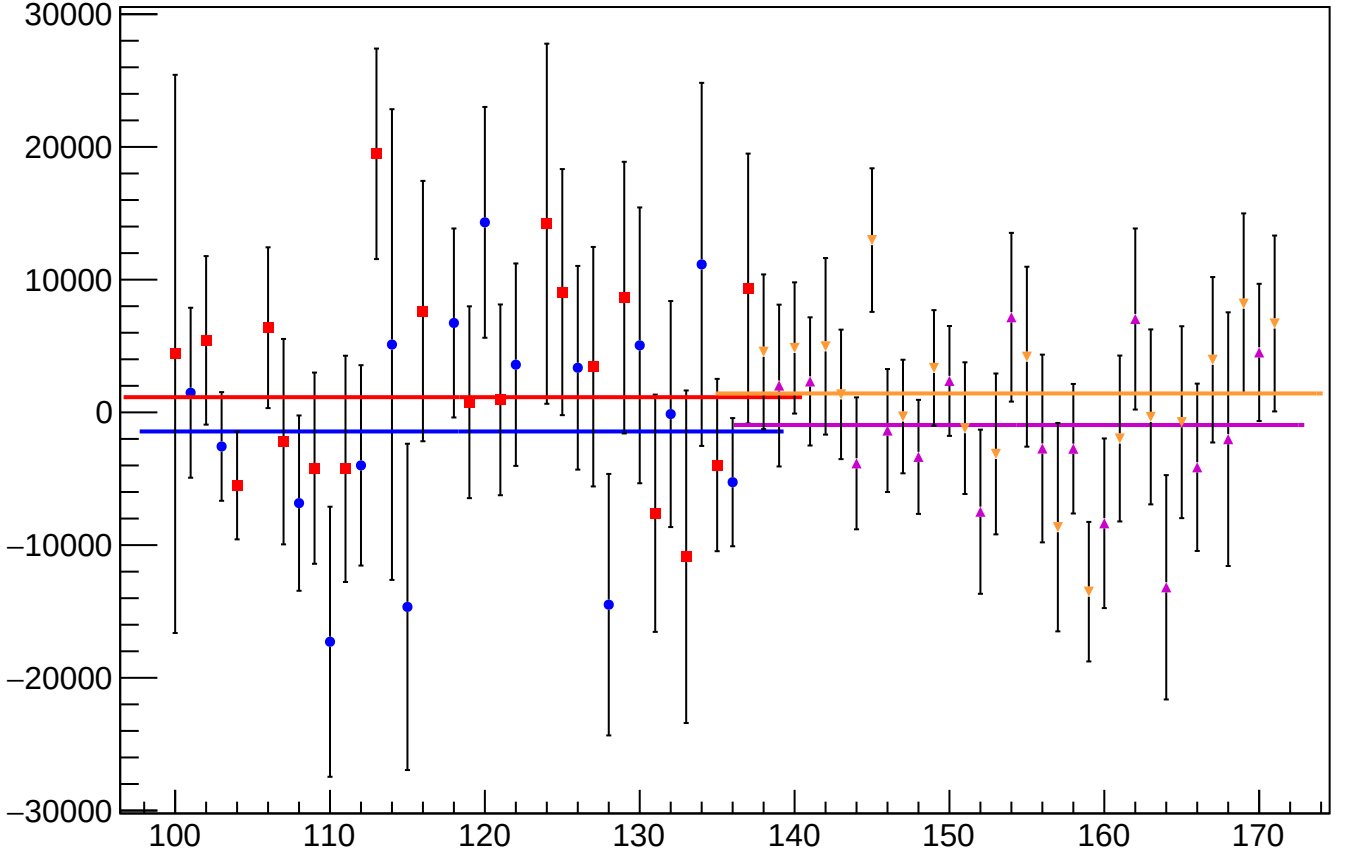
Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

+ sign 1563.958+/-0.239 χ^2/NDF: 372138.3/33

All: 1558.682+/-0.171 χ^2/NDF: 650310.8/68

- sign 1553.258+/-0.243 χ^2/NDF: 277188.2/34

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1426.513+/-1340.553 χ^2/NDF:19.0/17

Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

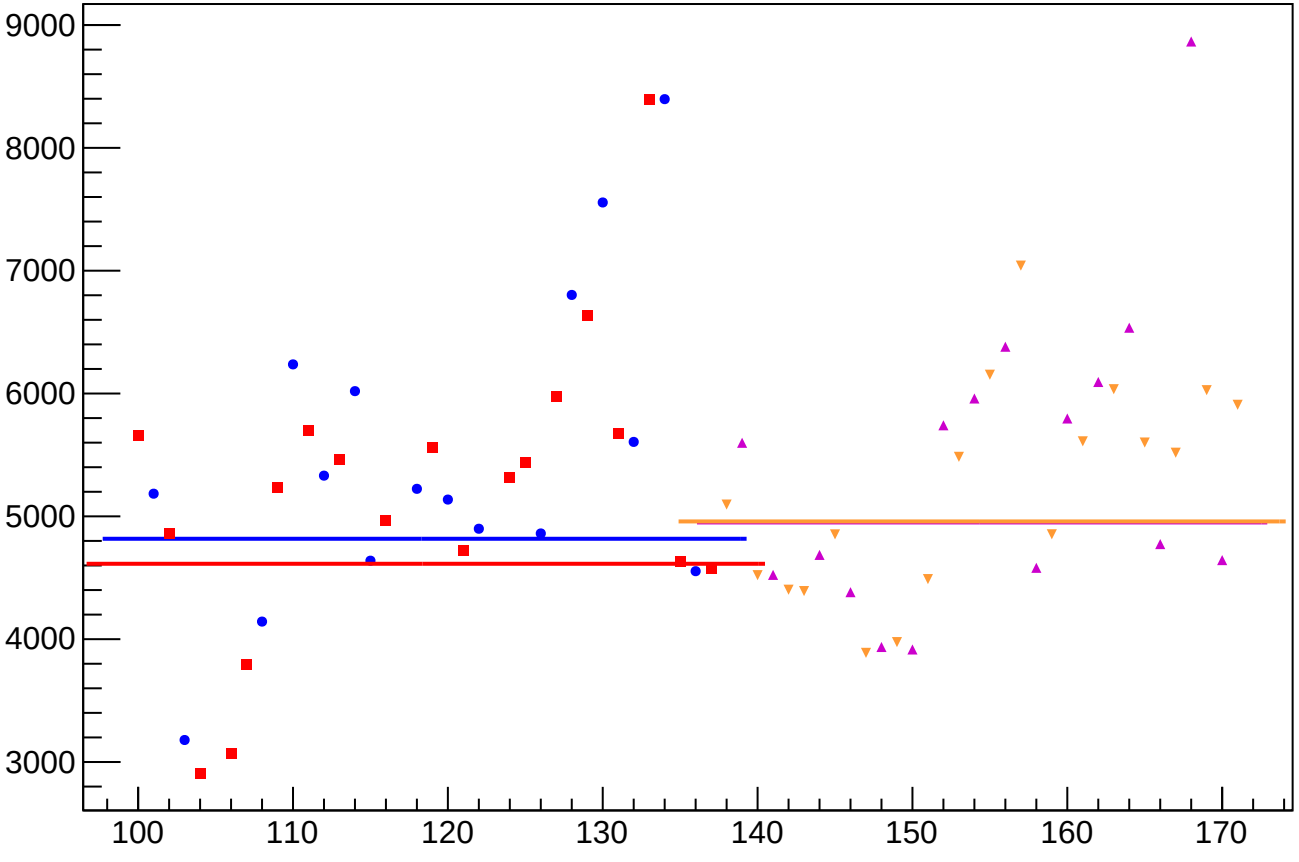
Left In: -951.389+/-1392.388 χ^2/NDF:11.1/15

+ sign 439.320+/-1085.181 χ^2/NDF: 34.4/33

All: 148.354+/-770.181 χ^2/NDF: 62.8/68

- sign -146.962+/-1093.263 χ^2/NDF: 28.3/34

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4958.631+/-0.948 χ^2/NDF:719507.5/17

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

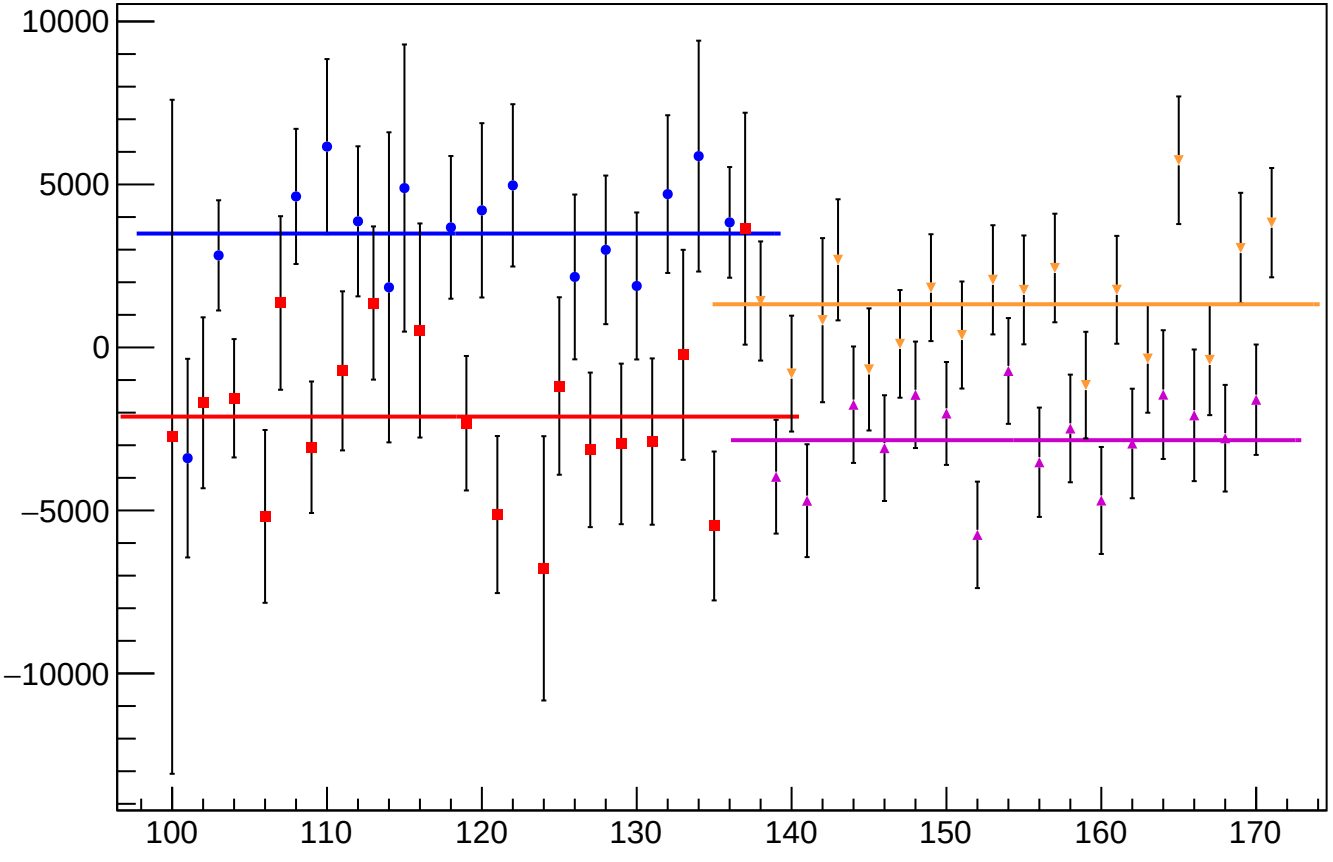
Left In: 4950.274+/-0.985 χ^2/NDF:992528.1/15

+ sign 4909.975+/-0.767 χ^2/NDF: 1522384.1/33

All: 4865.944+/-0.545 χ^2/NDF: 3544281.8/68

- sign 4821.254+/-0.773 χ^2/NDF: 2015263.0/34

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.197+/-409.940 χ^2/NDF:17.6/17

Right Out: -2121.708+/-587.619 χ^2/NDF: 15.1/18

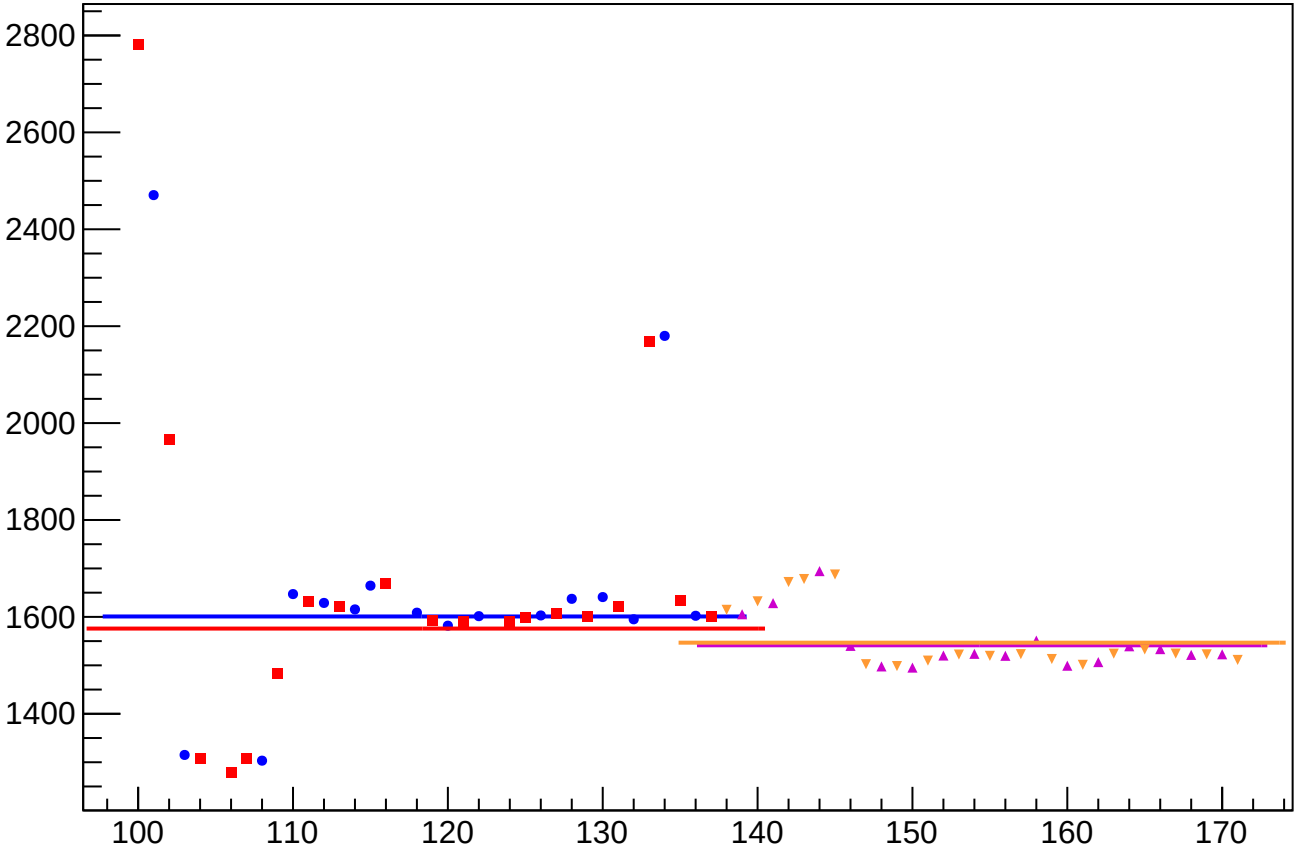
Left In: -2844.773+/-424.136 χ^2/NDF:10.5/15

+ sign 2013.572+/-338.693 χ^2/NDF: 35.3/33

All: -256.535+/-241.315 χ^2/NDF: 153.1/68

- sign -2597.104+/-343.909 χ^2/NDF: 26.6/34

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

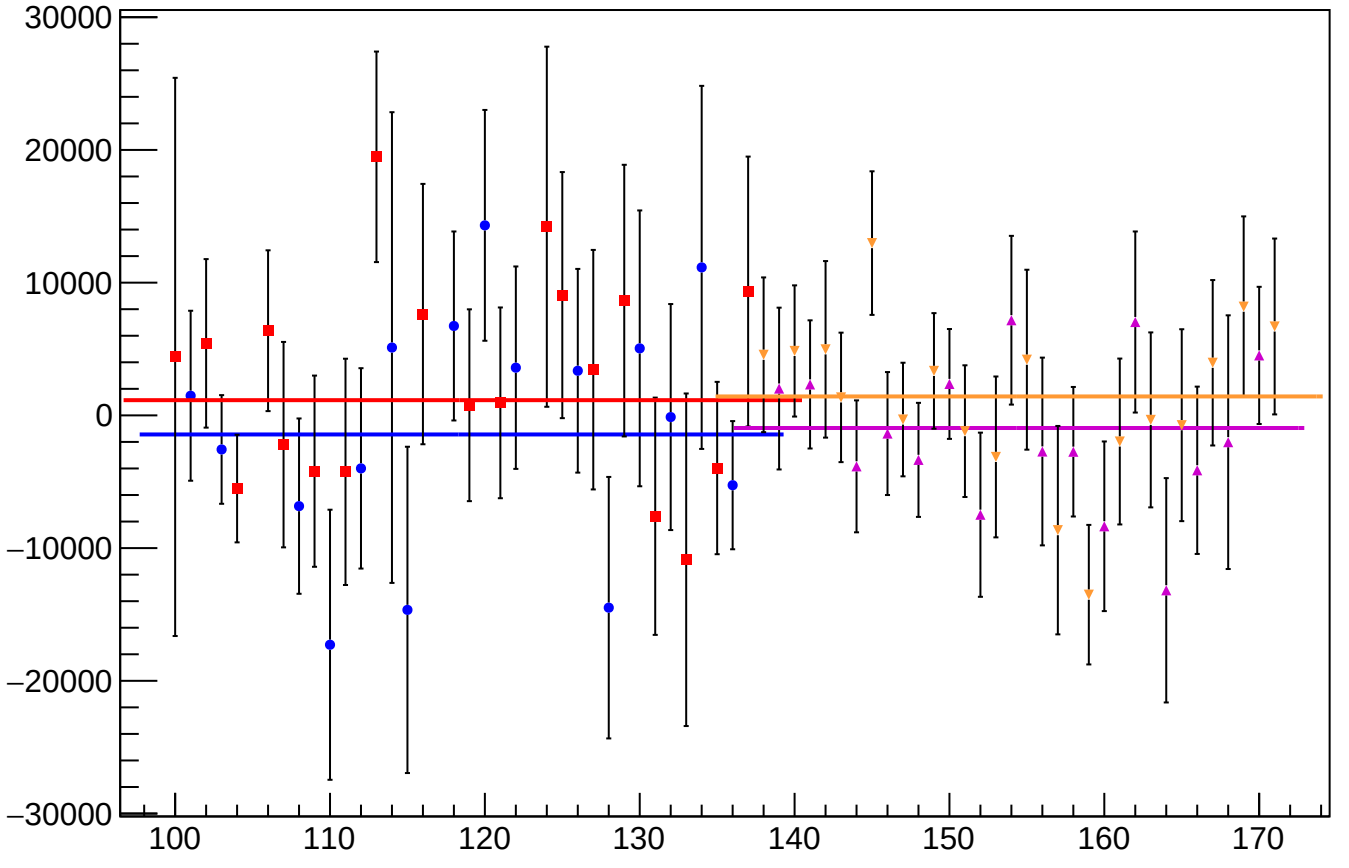
Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1541.368+/-0.300 χ^2/NDF:29291.4/15

+ sign 1563.958+/-0.239 χ^2/NDF: 372138.3/33

All: 1558.682+/-0.171 χ^2/NDF: 650310.8/68

- sign 1553.258+/-0.243 χ^2/NDF: 277188.2/34



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1426.513+/-1340.553 χ^2/NDF:19.0/17

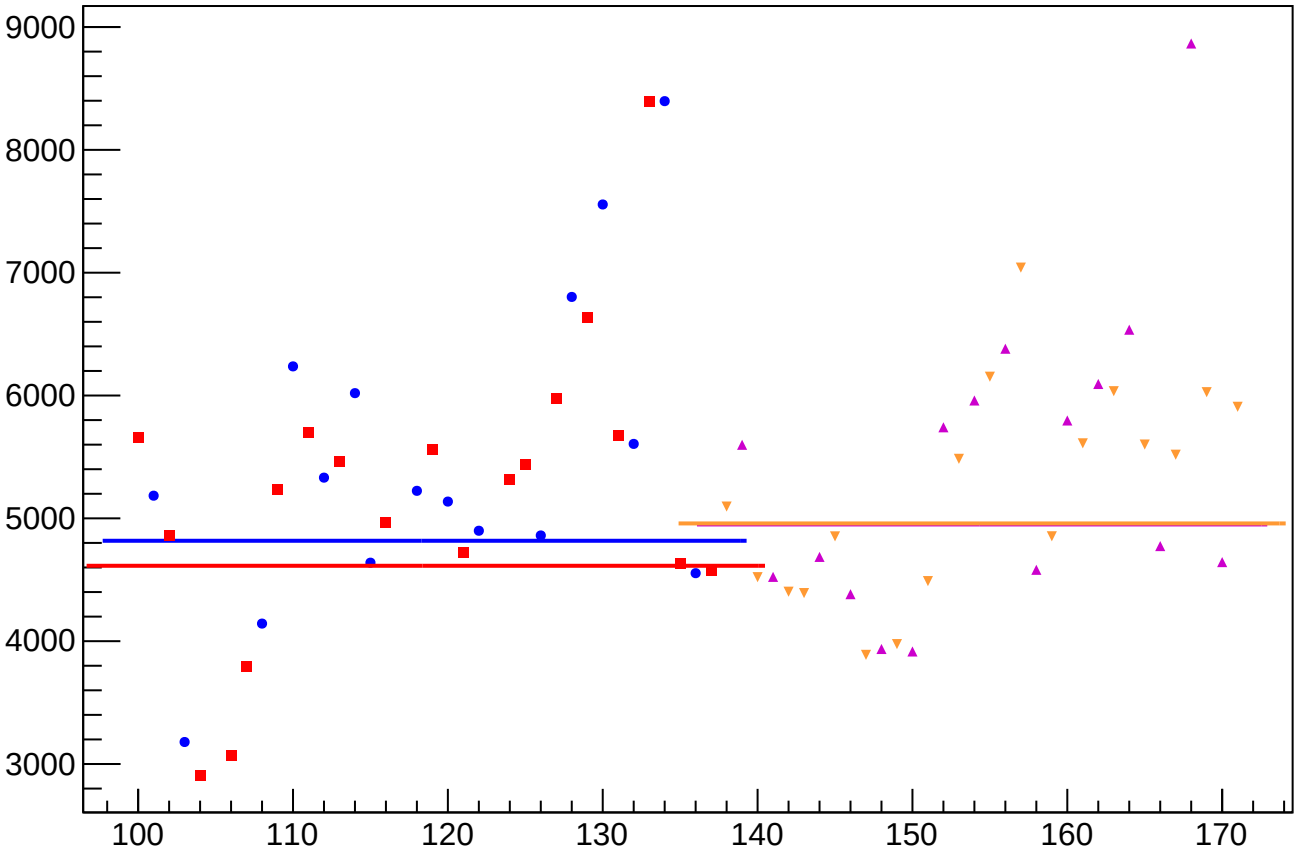
Right Out: 1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: -951.389+/-1392.388 χ^2/NDF:11.1/15

+ sign 439.320+/-1085.181 χ^2/NDF: 34.4/33

All: 148.354+/-770.181 χ^2/NDF: 62.8/68

- sign -146.962+/-1093.263 χ^2/NDF: 28.3/34



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4958.631+/-0.948 χ^2/NDF:719507.5/17

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

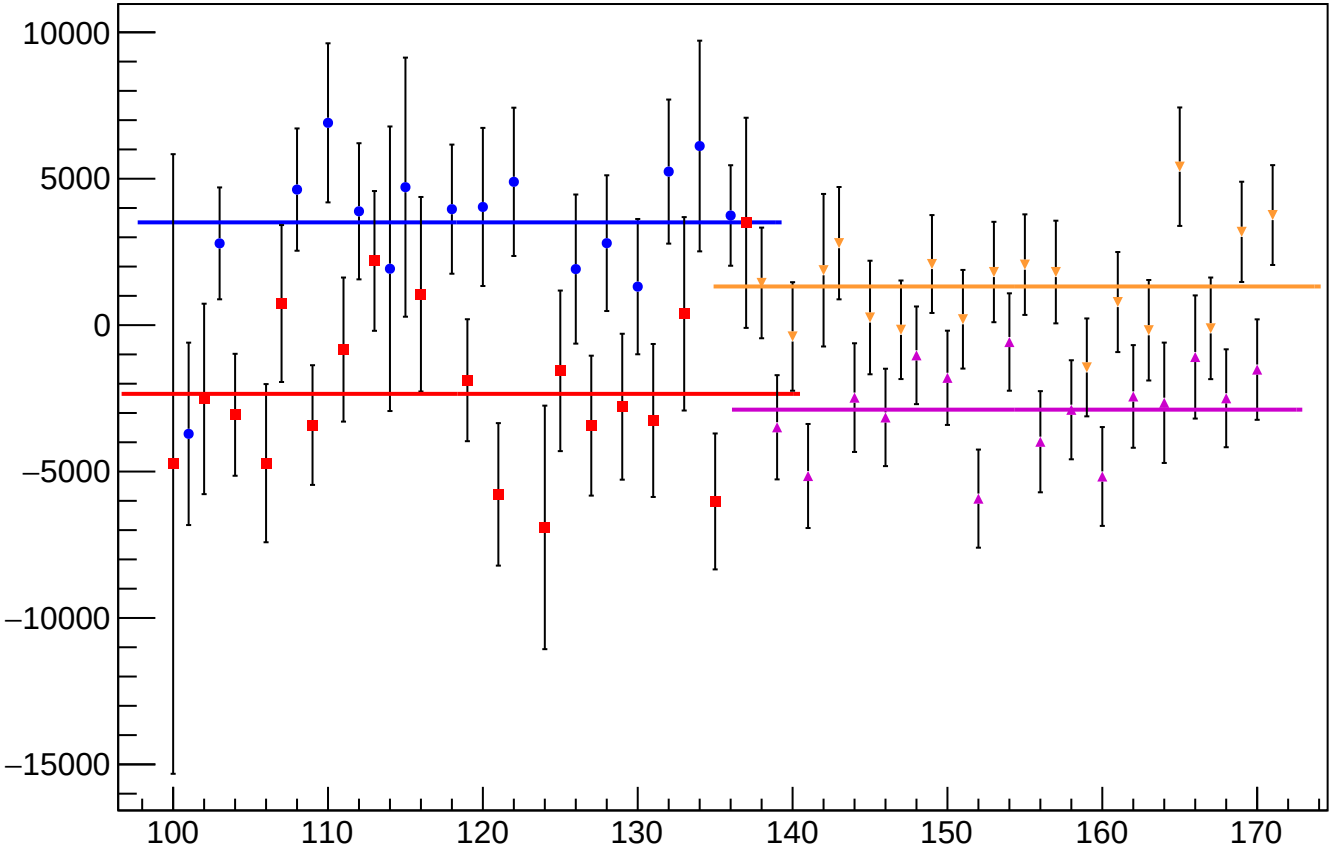
Left In: 4950.274+/-0.985 χ^2/NDF:992528.1/15

+ sign 4909.975+/-0.767 χ^2/NDF: 1522384.1/33

All: 4865.944+/-0.545 χ^2/NDF: 3544281.8/68

- sign 4821.254+/-0.773 χ^2/NDF: 2015263.0/34

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1320.297+/-421.583 χ^2/NDF:15.2/17

Right Out: -2346.859+/-607.502 χ^2/NDF: 17.1/18

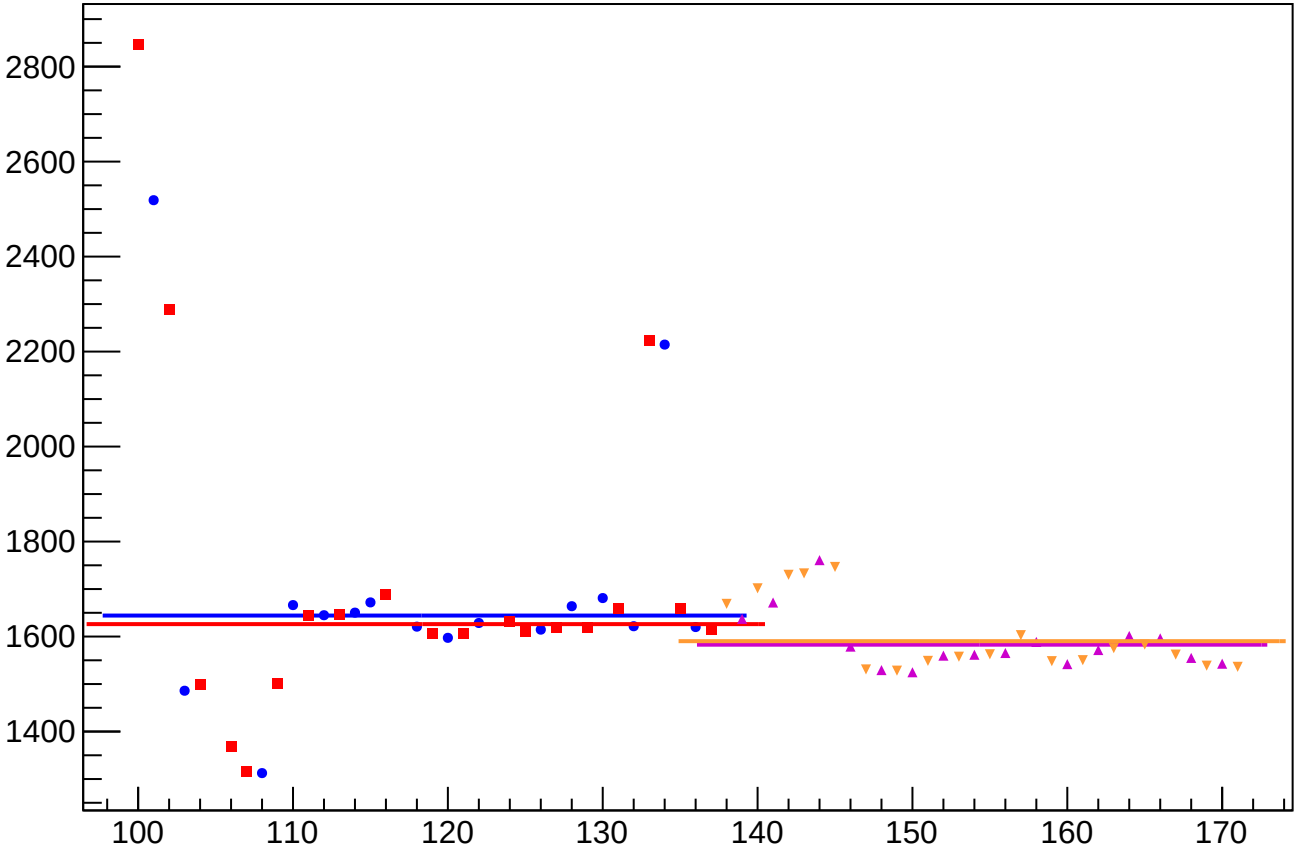
Left In: -2886.244+/-435.630 χ^2/NDF:12.5/15

+ sign 2017.496+/-348.037 χ^2/NDF: 34.1/33

All: -302.580+/-248.187 χ^2/NDF: 154.6/68

- sign -2703.074+/-354.018 χ^2/NDF: 30.1/34

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1590.266+/-0.298 χ^2/NDF:55199.3/17

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

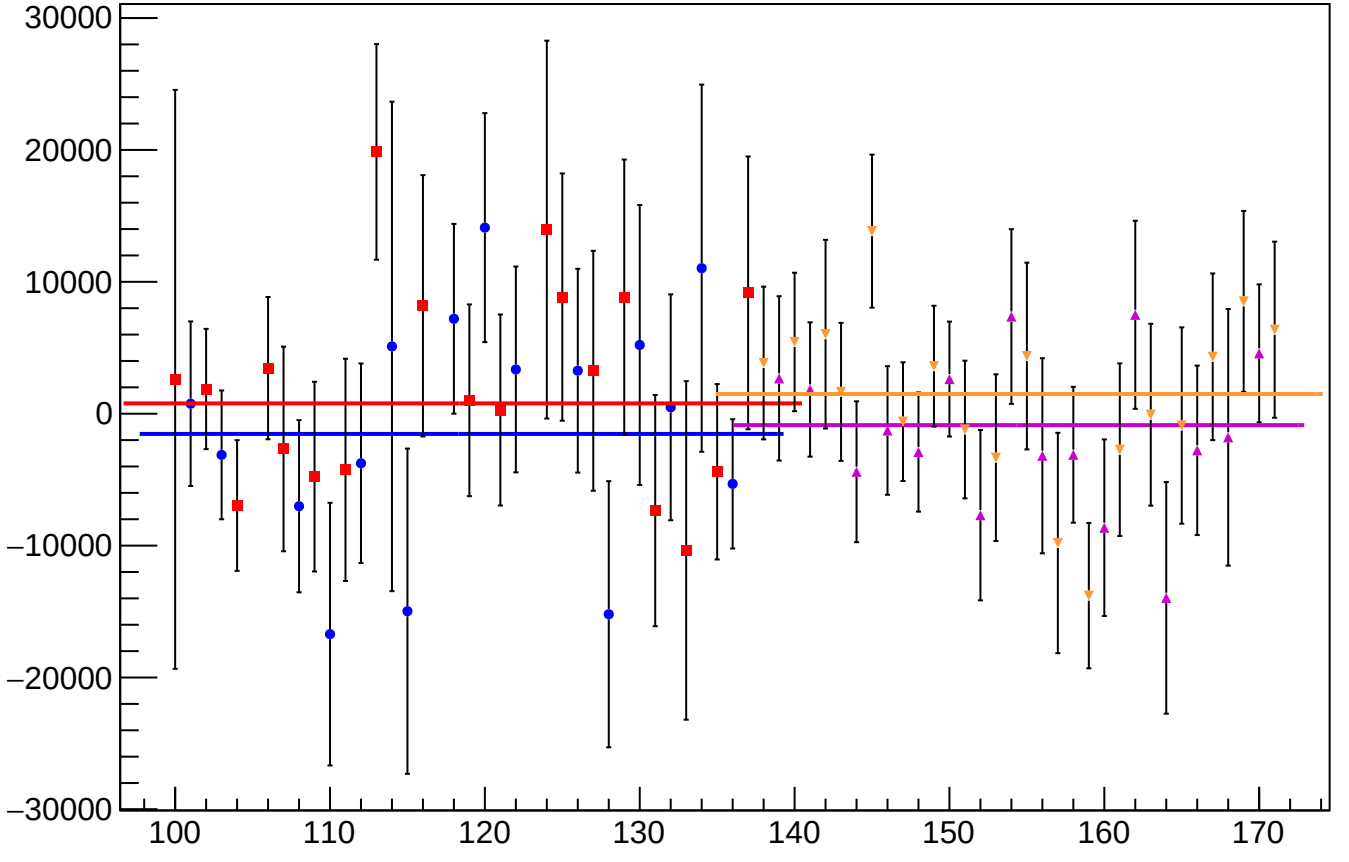
Left In: 1582.874+/-0.308 χ^2/NDF:34000.0/15

+ sign 1607.442+/-0.246 χ^2/NDF: 340441.1/33

All: 1602.601+/-0.175 χ^2/NDF: 619585.2/68

- sign 1597.595+/-0.250 χ^2/NDF: 278357.1/34

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1493.687+/-1401.611 χ^2/NDF:19.0/17

Right Out: 784.235+/-1748.566 χ^2/NDF: 15.0/18

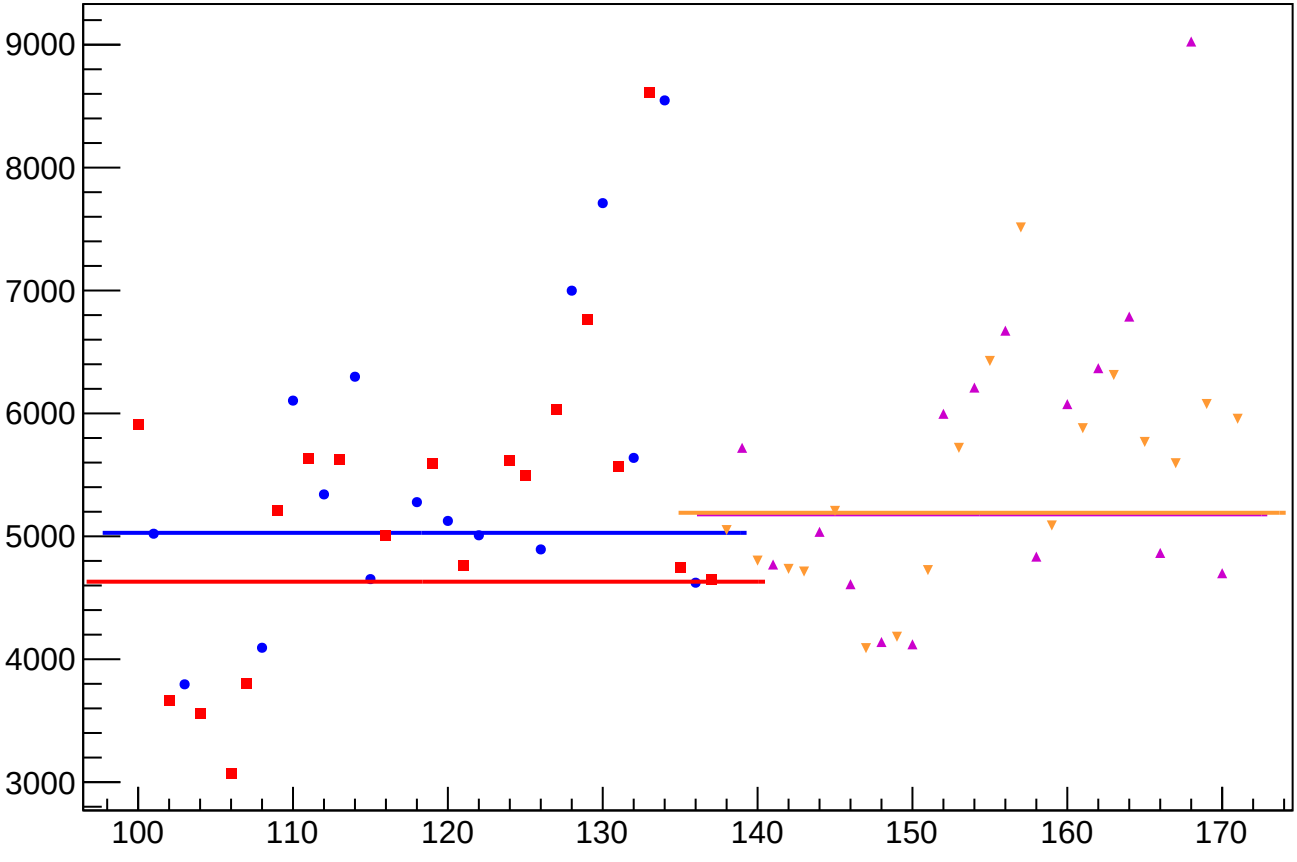
Left In: -864.992+/-1455.346 χ^2/NDF:11.0/15

\+ sign 437.339+/-1130.785 χ^2/NDF: 34.5/33

All: 120.238+/-795.240 χ^2/NDF: 61.2/68

\- sign -190.061+/-1118.592 χ^2/NDF: 26.5/34

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5191.665+/-0.991 χ^2/NDF:654385.9/17

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

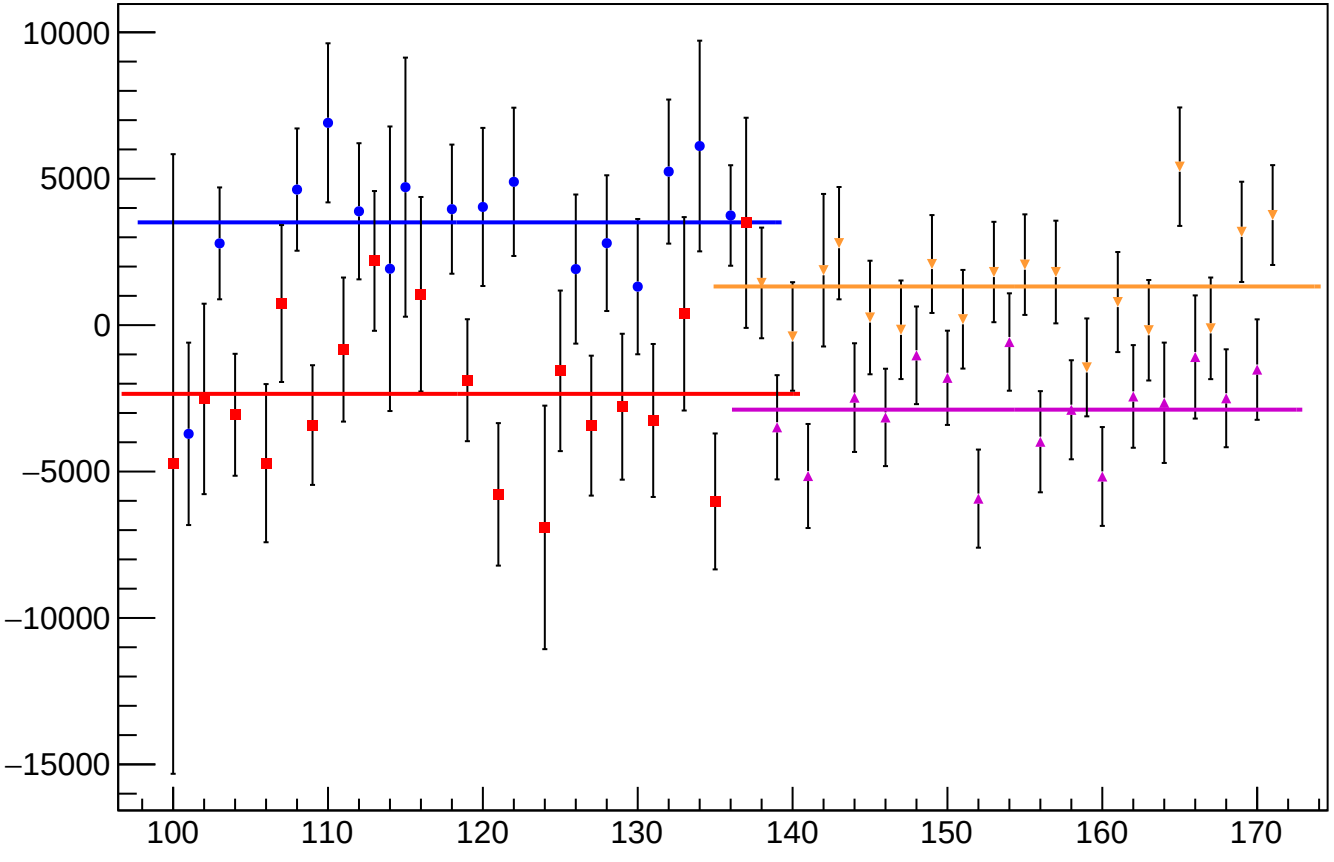
Left In: 5178.923+/-1.029 χ^2/NDF:944058.2/15

+ sign 5134.684+/-0.800 χ^2/NDF: 1229323.4/33

All: 5043.691+/-0.562 χ^2/NDF: 3178577.1/68

- sign 4954.650+/-0.791 χ^2/NDF: 1923630.5/34

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1320.290+/-421.584 χ^2/NDF:15.2/17

Right Out: -2346.865+/-607.502 χ^2/NDF: 17.1/18

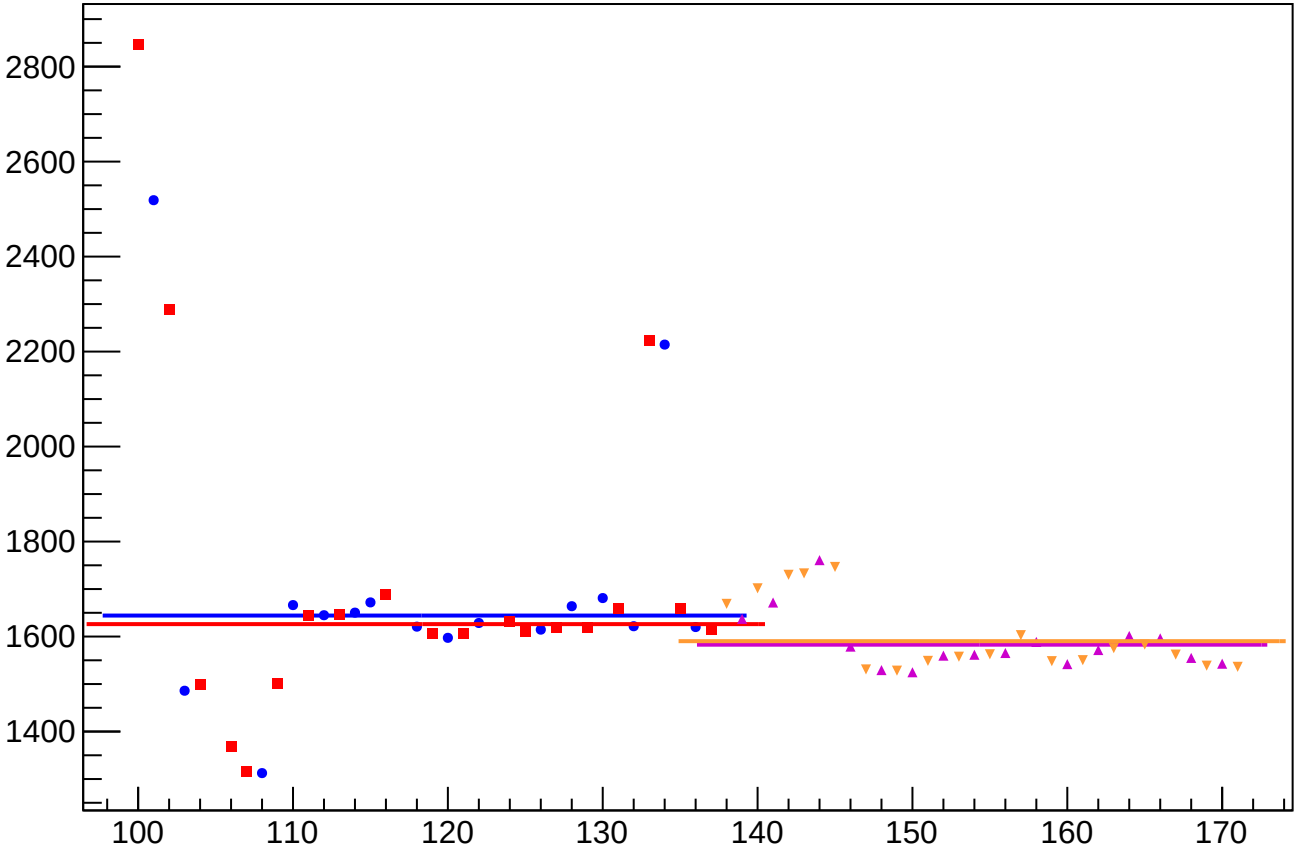
Left In: -2886.248+/-435.631 χ^2/NDF:12.5/15

+ sign 2017.493+/-348.037 χ^2/NDF: 34.1/33

All: -302.583+/-248.187 χ^2/NDF: 154.6/68

- sign -2703.079+/-354.018 χ^2/NDF: 30.1/34

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1590.267+/-0.298 χ^2/NDF:55199.4/17

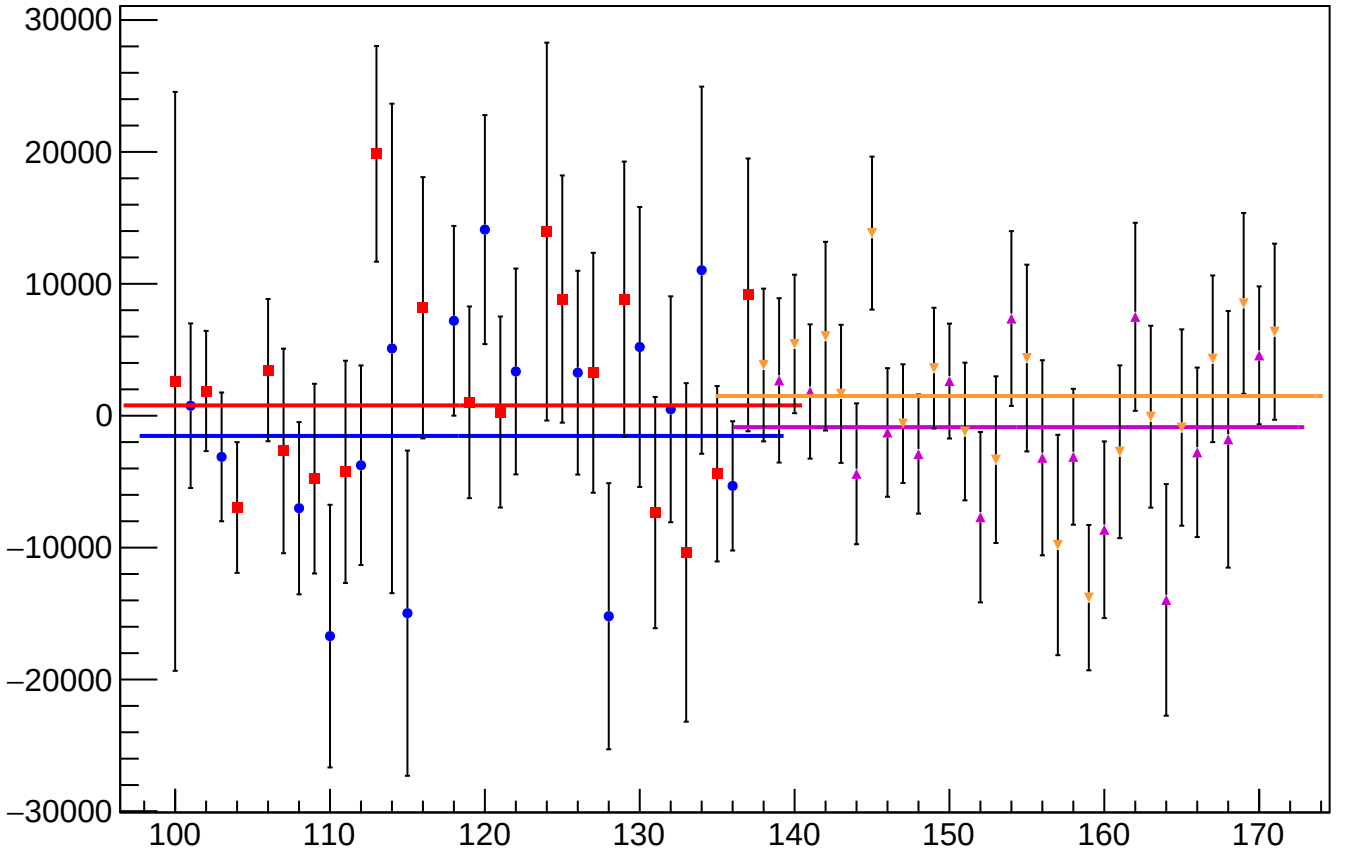
Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1582.875+/-0.308 χ^2/NDF:33999.9/15

+ sign 1607.442+/-0.246 χ^2/NDF: 340440.8/33

All: 1602.602+/-0.175 χ^2/NDF: 619583.9/68

- sign 1597.596+/-0.250 χ^2/NDF: 278356.1/34



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1493.684+/-1401.613 χ^2/NDF:19.0/17

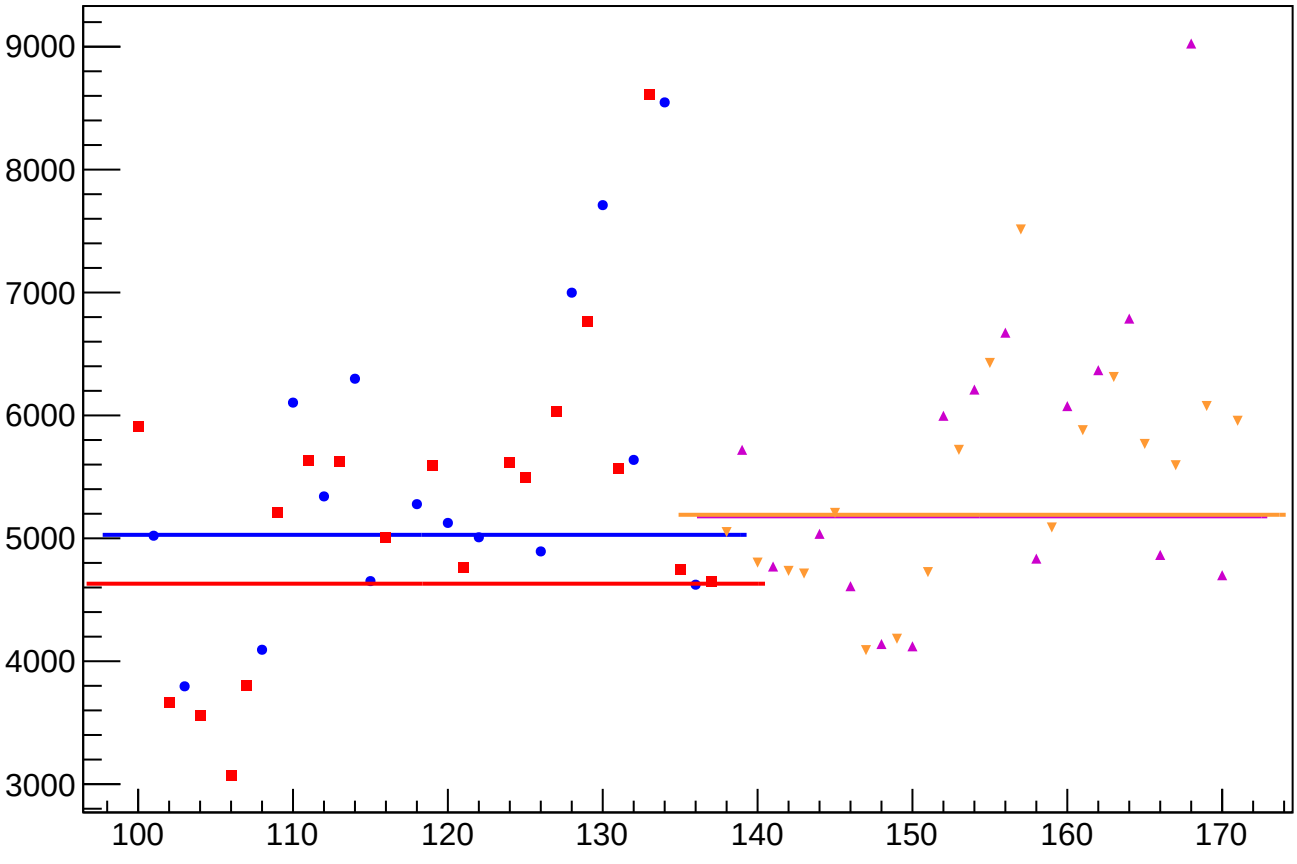
Right Out: 784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: -864.991+/-1455.349 χ^2/NDF:11.0/15

+ sign 437.338+/-1130.785 χ^2/NDF: 34.5/33

All: 120.240+/-795.240 χ^2/NDF: 61.2/68

- sign -190.057+/-1118.592 χ^2/NDF: 26.5/34



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5191.674+/-0.991 χ^2/NDF:654386.5/17

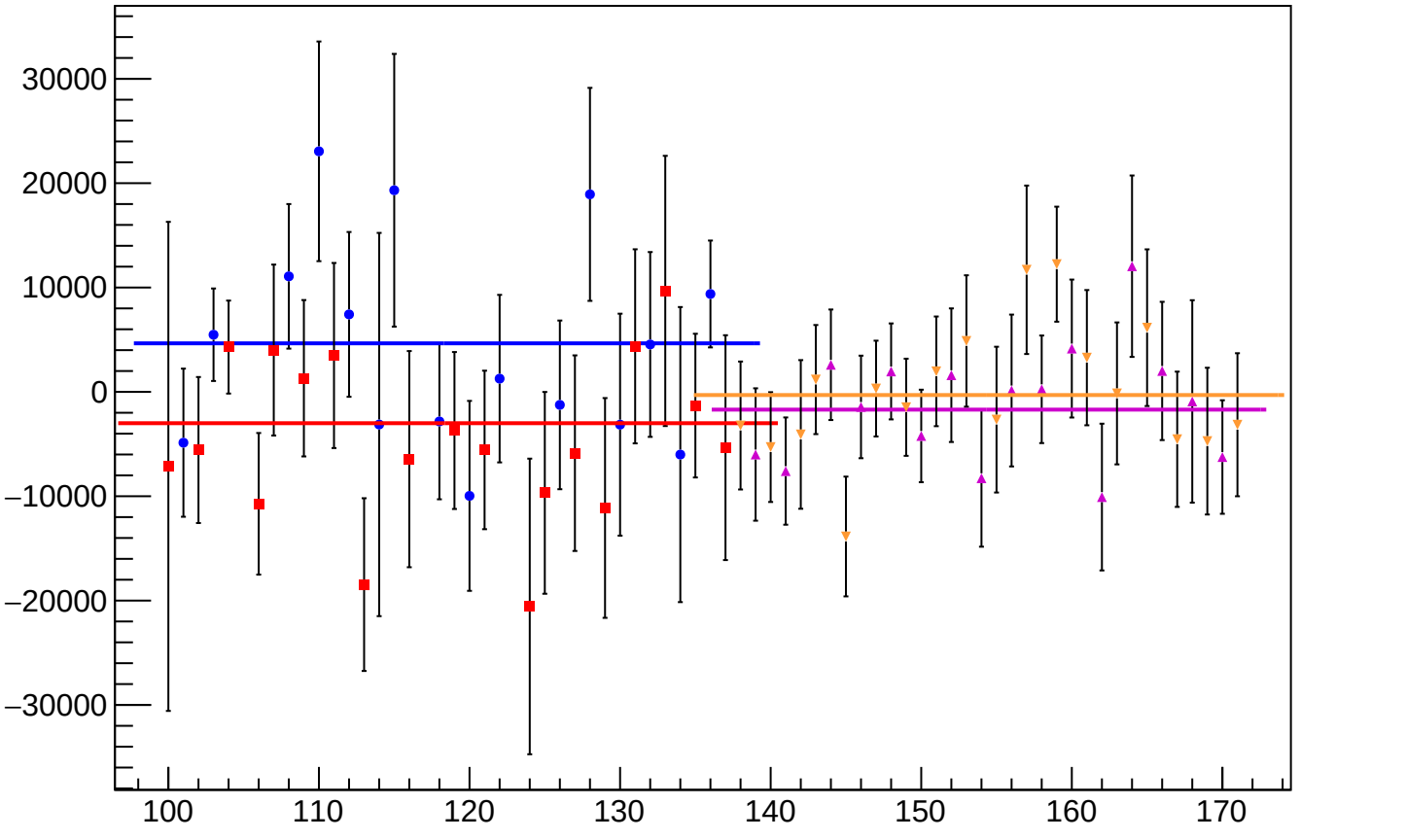
Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5178.931+/-1.029 χ^2/NDF:944059.9/15

+ sign 5134.687+/-0.800 χ^2/NDF: 1229319.5/33

All: 5043.693+/-0.562 χ^2/NDF: 3178575.6/68

- sign 4954.651+/-0.791 χ^2/NDF: 1923632.4/34



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -302.513+/-1411.719 χ^2/NDF:17.6/17

Right Out: -3000.980+/-1882.821 χ^2/NDF: 13.9/18

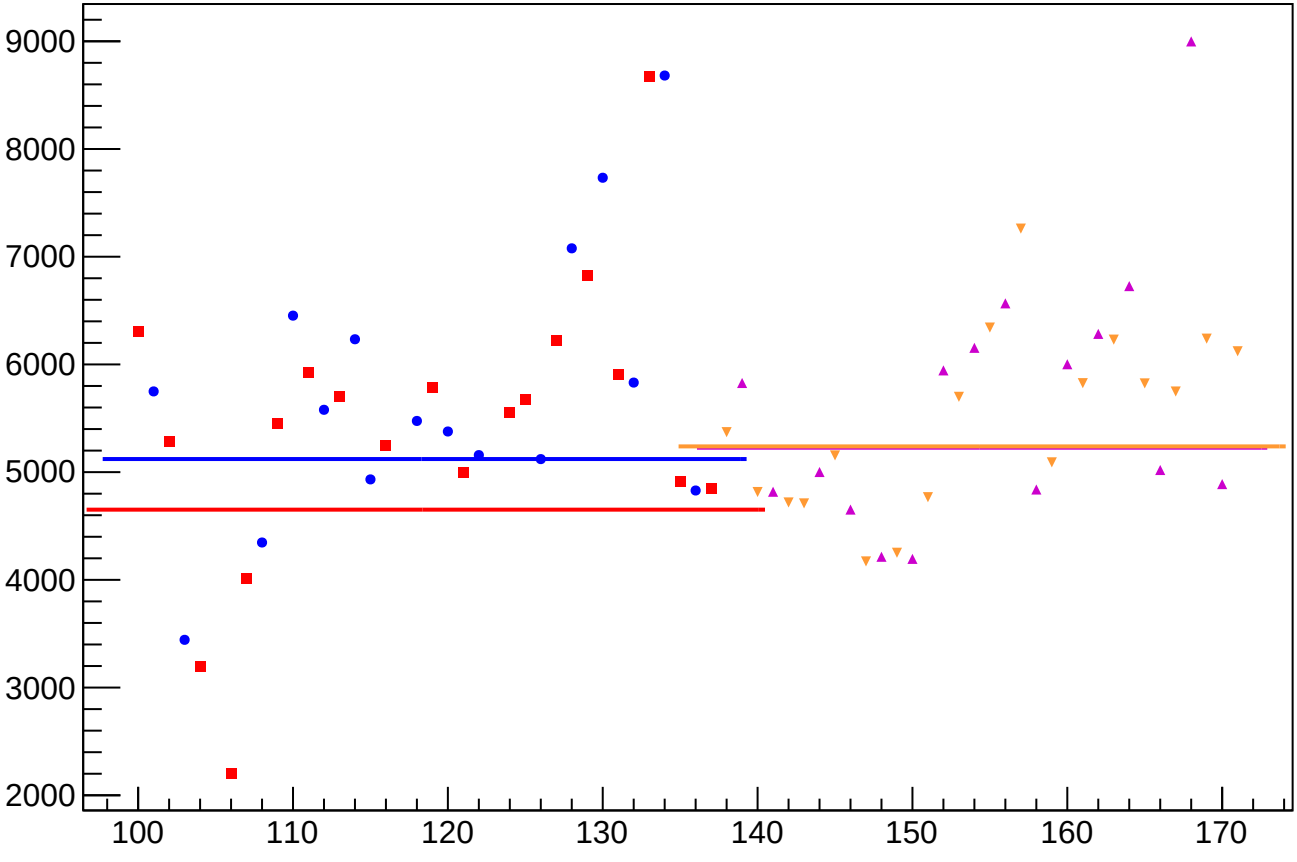
Left In: -1700.116+/-1465.421 χ^2/NDF:10.6/15

+ sign 1391.936+/-1145.214 χ^2/NDF: 37.3/33

All: -381.997+/-813.726 χ^2/NDF: 66.9/68

- sign -2190.861+/-1156.434 χ^2/NDF: 24.7/34

asym_usr_atr2_avg_rms vs Slug



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5239.006+/-0.998 χ^2/NDF:604520.4/17

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

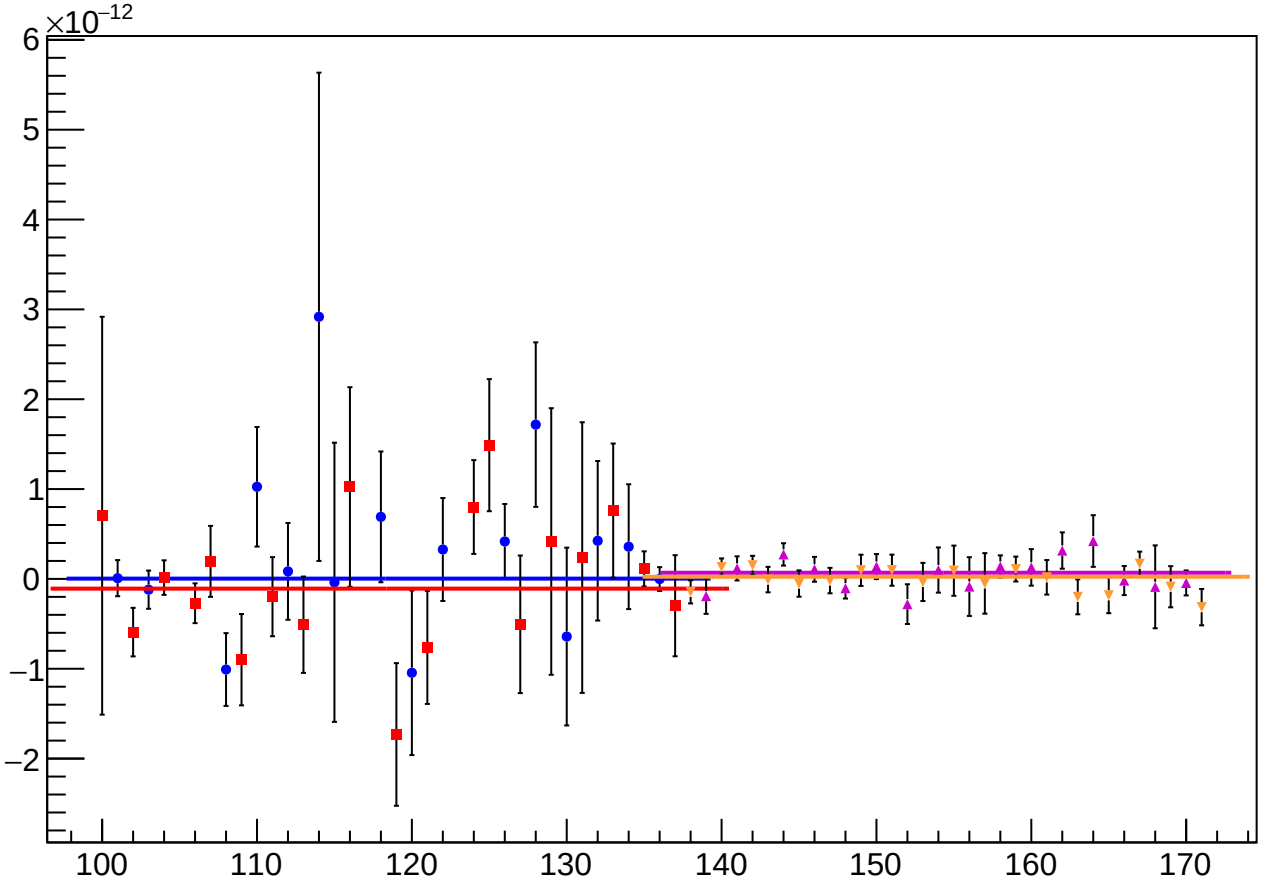
Left In: 5226.735+/-1.036 χ^2/NDF:855520.6/15

+ sign 5198.877+/-0.810 χ^2/NDF: 1329616.8/33

All: 5098.487+/-0.571 χ^2/NDF: 3682447.9/68

- sign 4999.166+/-0.805 χ^2/NDF: 2322257.5/34

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:12.3/17

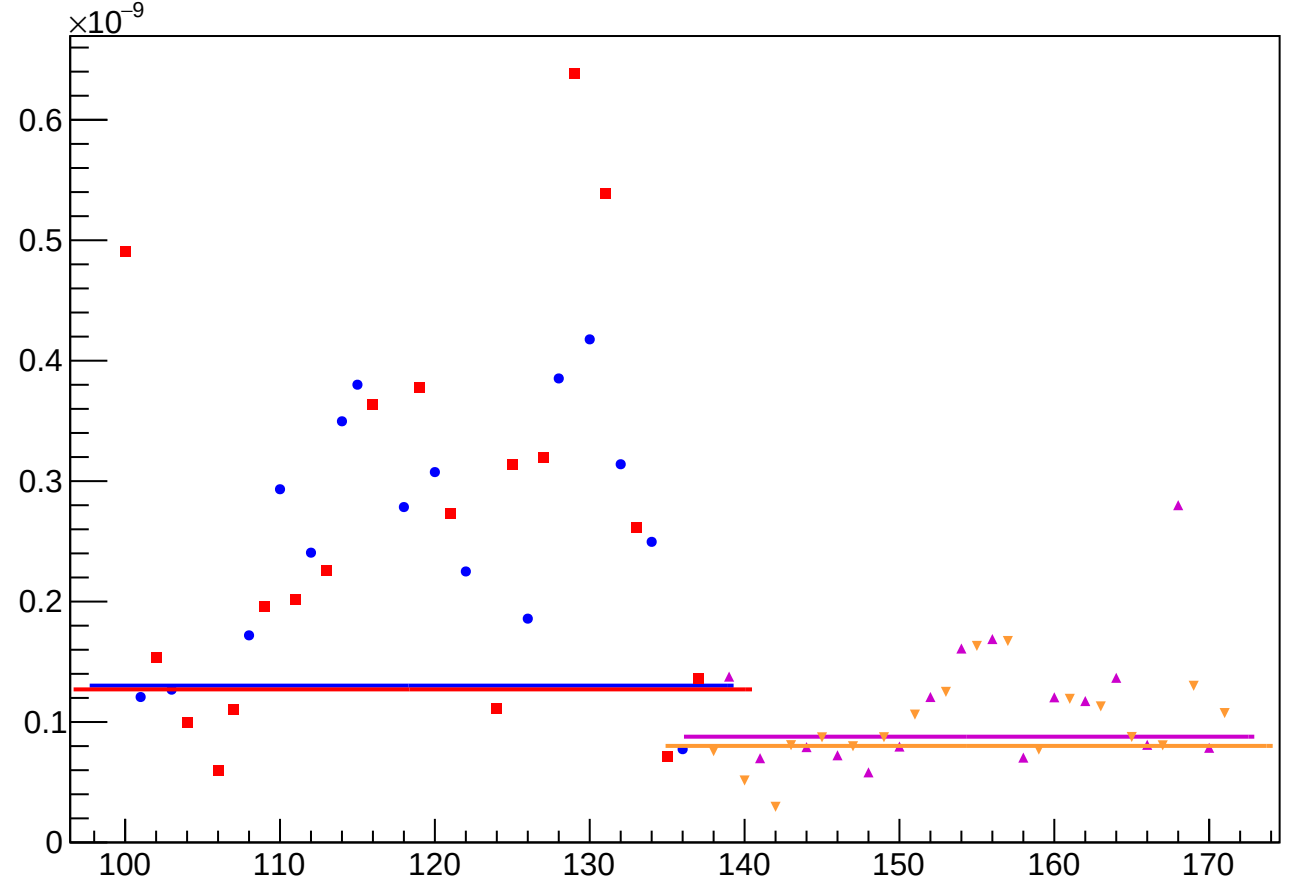
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 30.4/33

All: 0.000+/-0.000 χ^2/NDF: 73.2/68

- sign 0.000+/-0.000 χ^2/NDF: 42.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361289.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

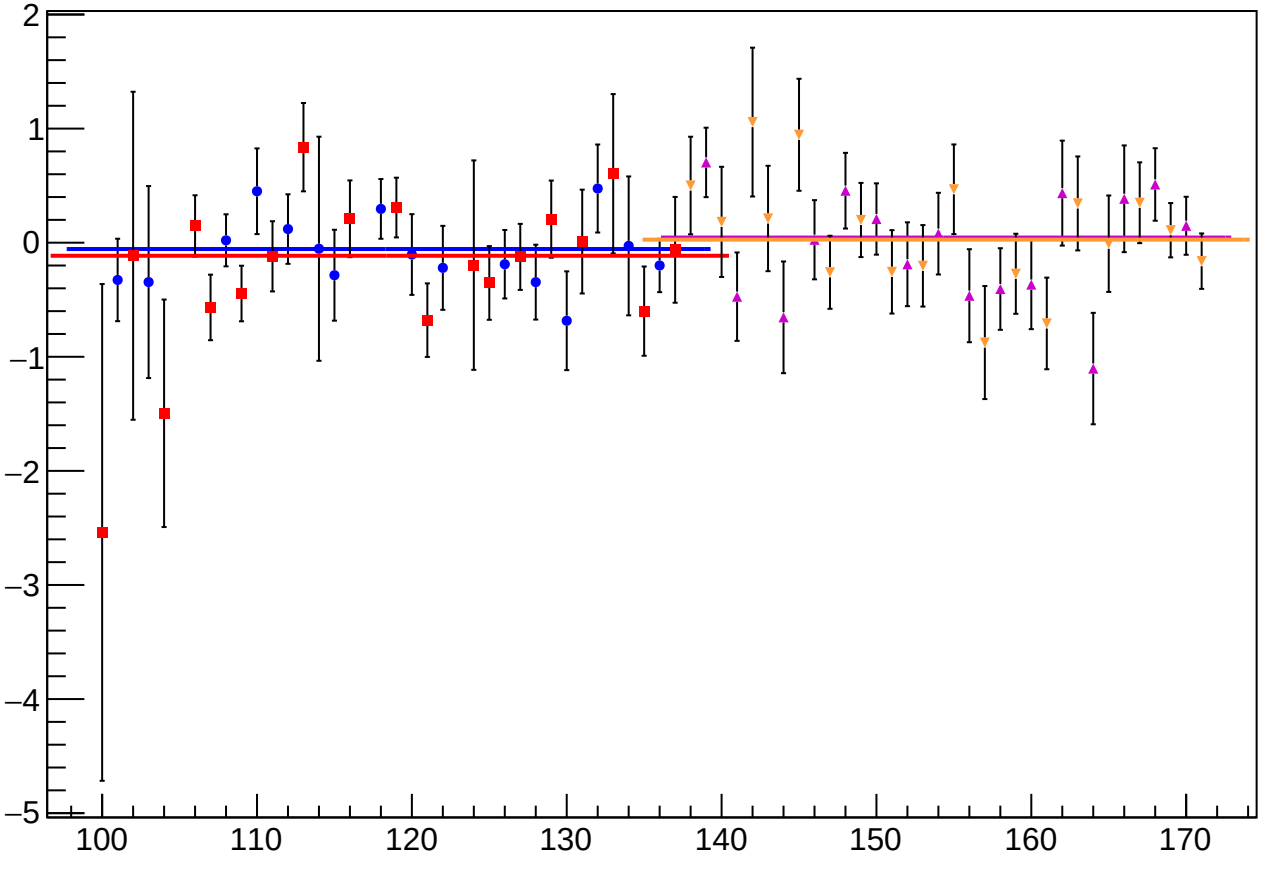
Left In: 0.000+/-0.000 χ^2/NDF:1225318.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 3258002.5/33

All: 0.000+/-0.000 χ^2/NDF: 6572163.6/68

- sign 0.000+/-0.000 χ^2/NDF: 3276955.8/34

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.027+/-0.086 χ^2/NDF:20.4/17

Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

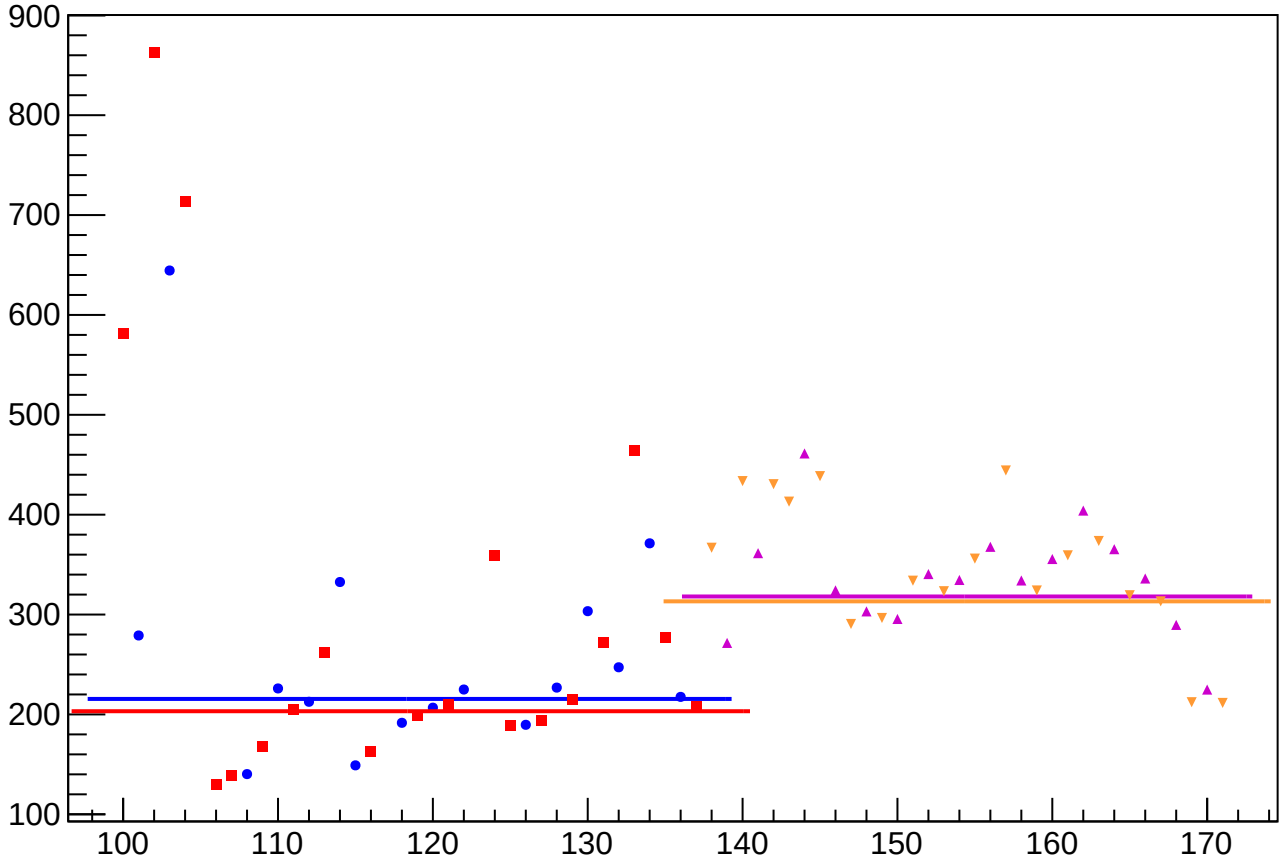
Left In: 0.045+/-0.090 χ^2/NDF:24.1/15

+ sign -0.015+/-0.061 χ^2/NDF: 31.5/33

All: -0.028+/-0.043 χ^2/NDF: 82.6/68

- sign -0.041+/-0.061 χ^2/NDF: 51.0/34

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: 313.229+/-0.061 χ^2/NDF:1413864.7/17

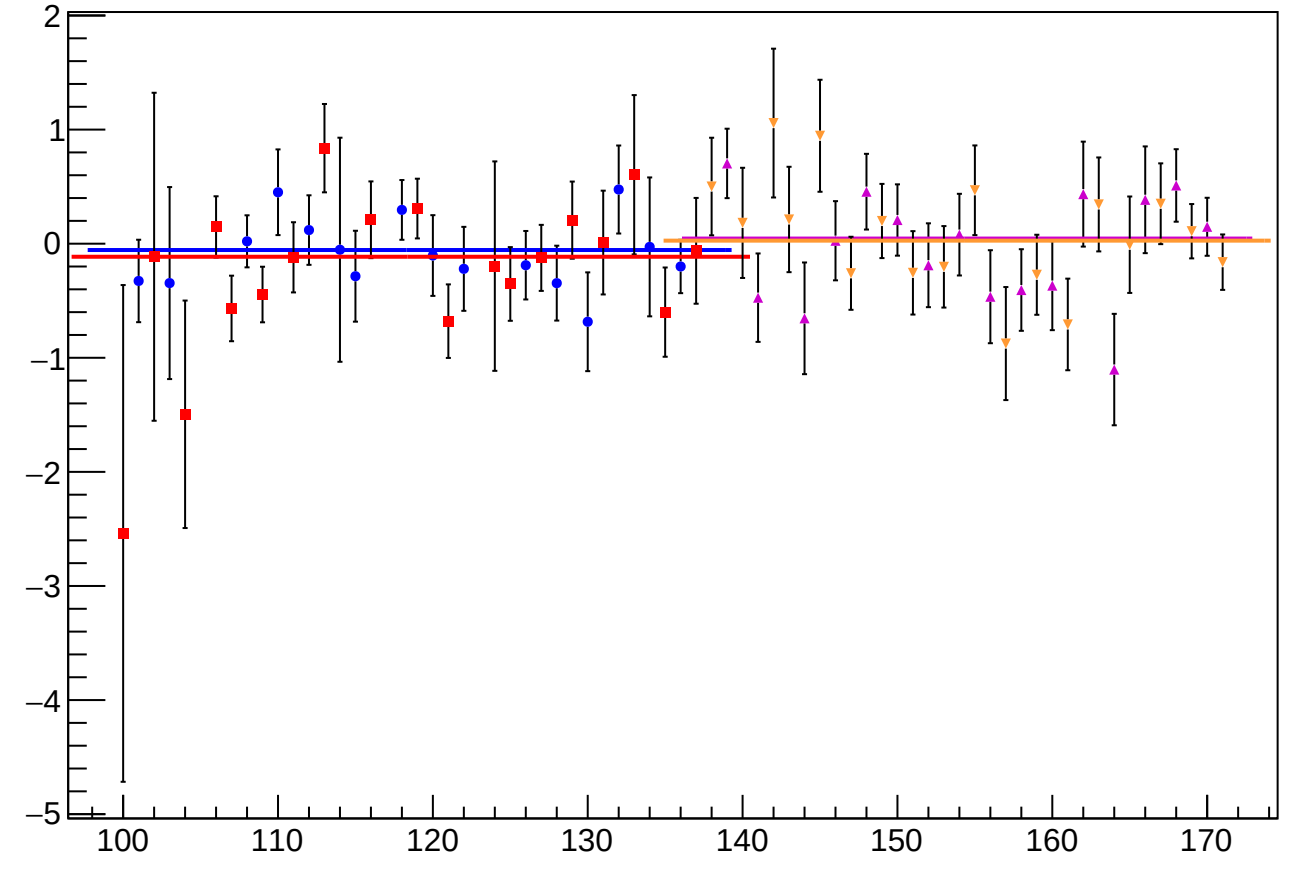
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 318.094+/-0.064 χ^2/NDF:698631.3/15

+ sign 263.933+/-0.043 χ^2/NDF: 3857710.6/33

All: 260.101+/-0.030 χ^2/NDF: 8167035.0/68

- sign 256.223+/-0.043 χ^2/NDF: 4293292.9/34



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.027+/-0.086 χ^2/NDF:20.4/17

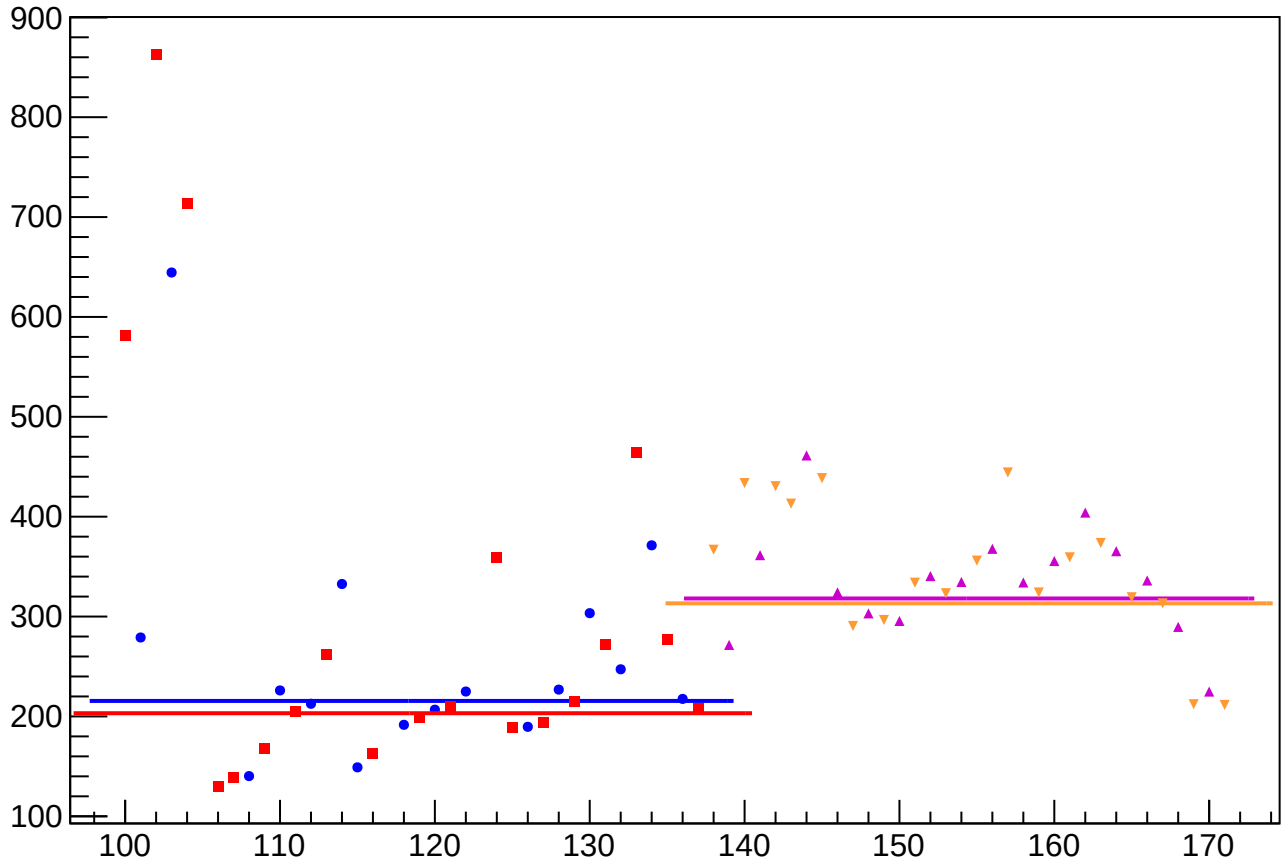
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.045+/-0.090 χ^2/NDF:24.1/15

+ sign -0.015+/-0.061 χ^2/NDF: 31.5/33

All: -0.028+/-0.043 χ^2/NDF: 82.6/68

- sign -0.041+/-0.061 χ^2/NDF: 51.0/34



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 313.229+/-0.061 χ^2/NDF:1413864.7/17

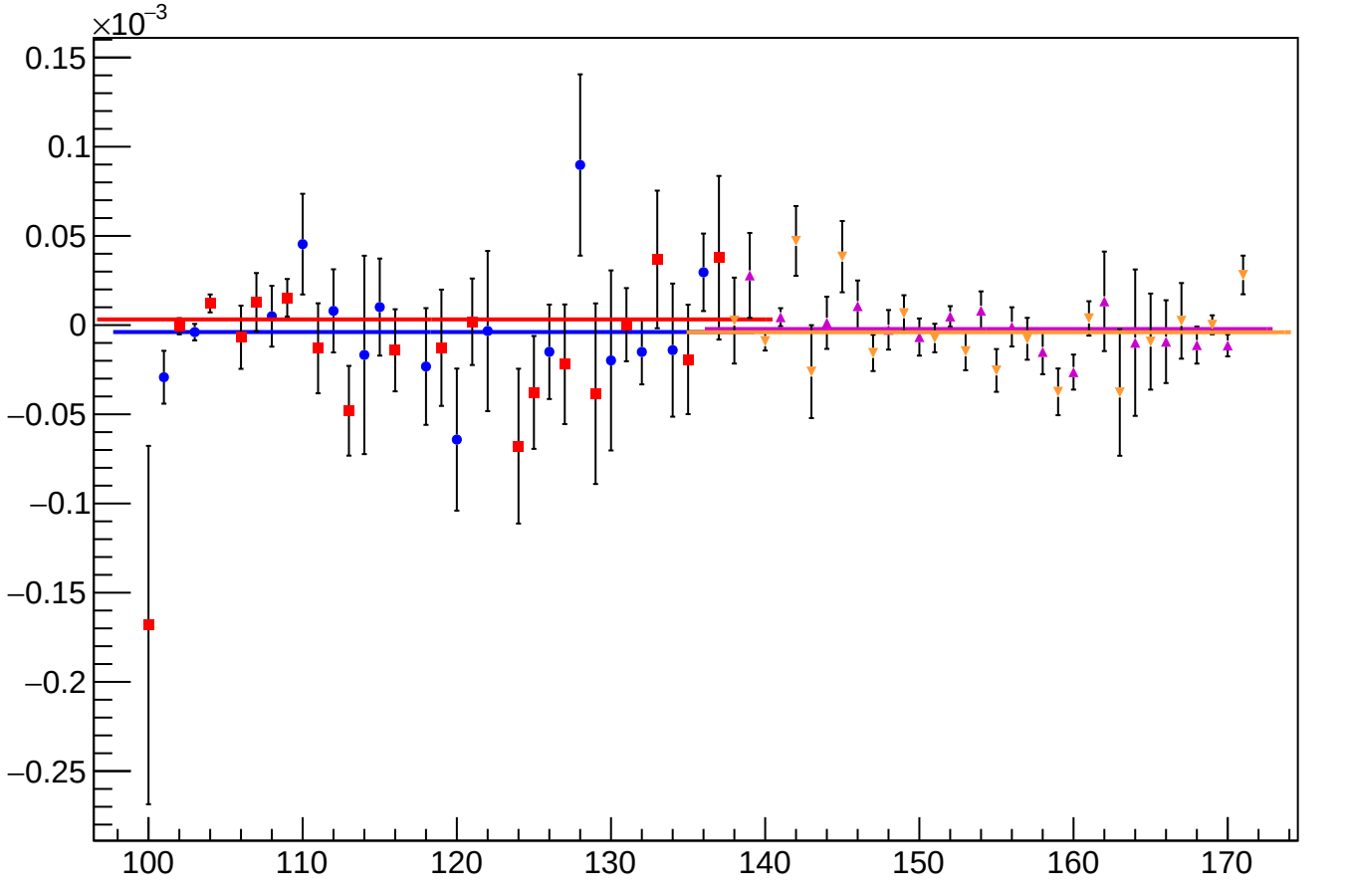
Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 318.094+/-0.064 χ^2/NDF:698631.3/15

+ sign 263.933+/-0.043 χ^2/NDF: 3857710.6/33

All: 260.101+/-0.030 χ^2/NDF: 8167035.0/68

- sign 256.223+/-0.043 χ^2/NDF: 4293292.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.5/17

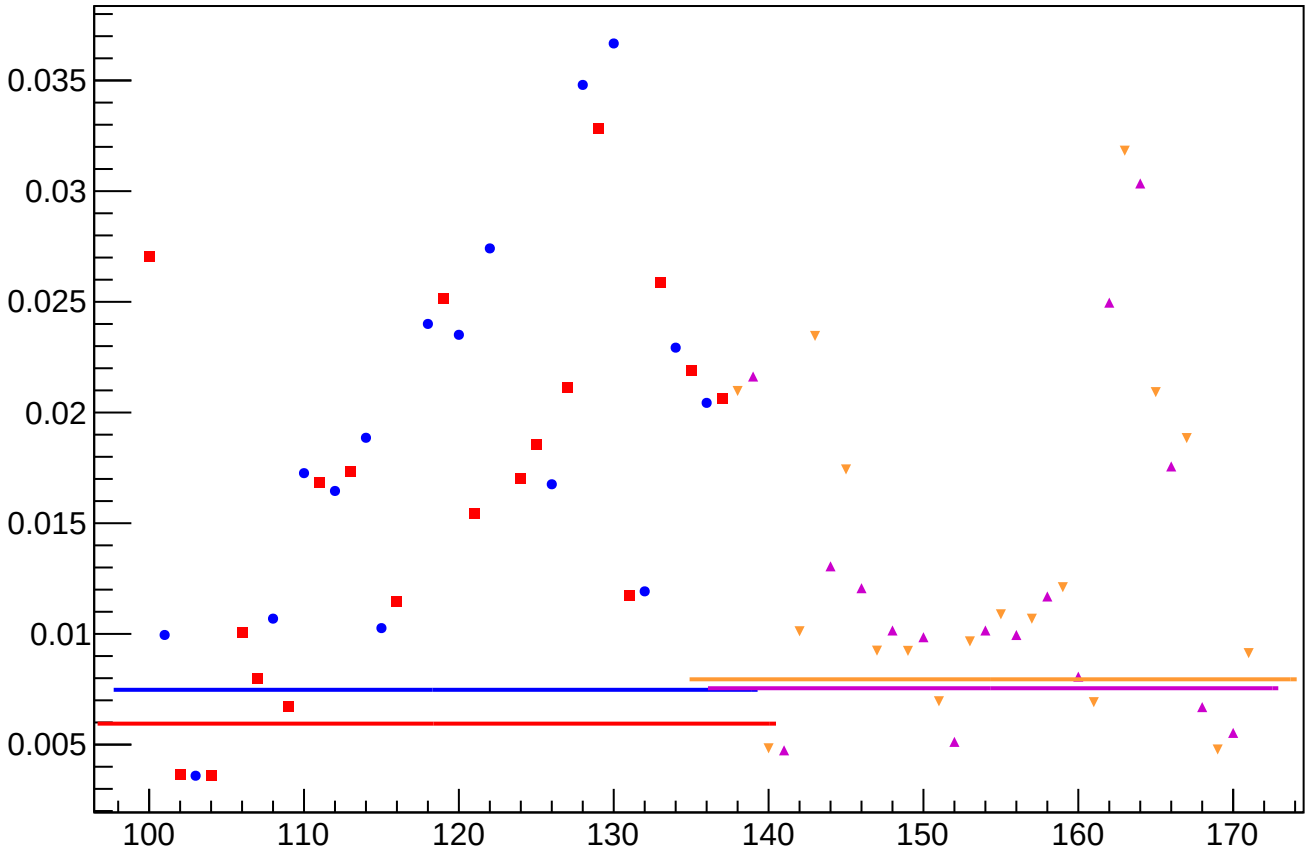
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/33

All: -0.000+/-0.000 χ^2/NDF: 96.5/68

- sign 0.000+/-0.000 χ^2/NDF: 41.0/34



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:5700316.9/17

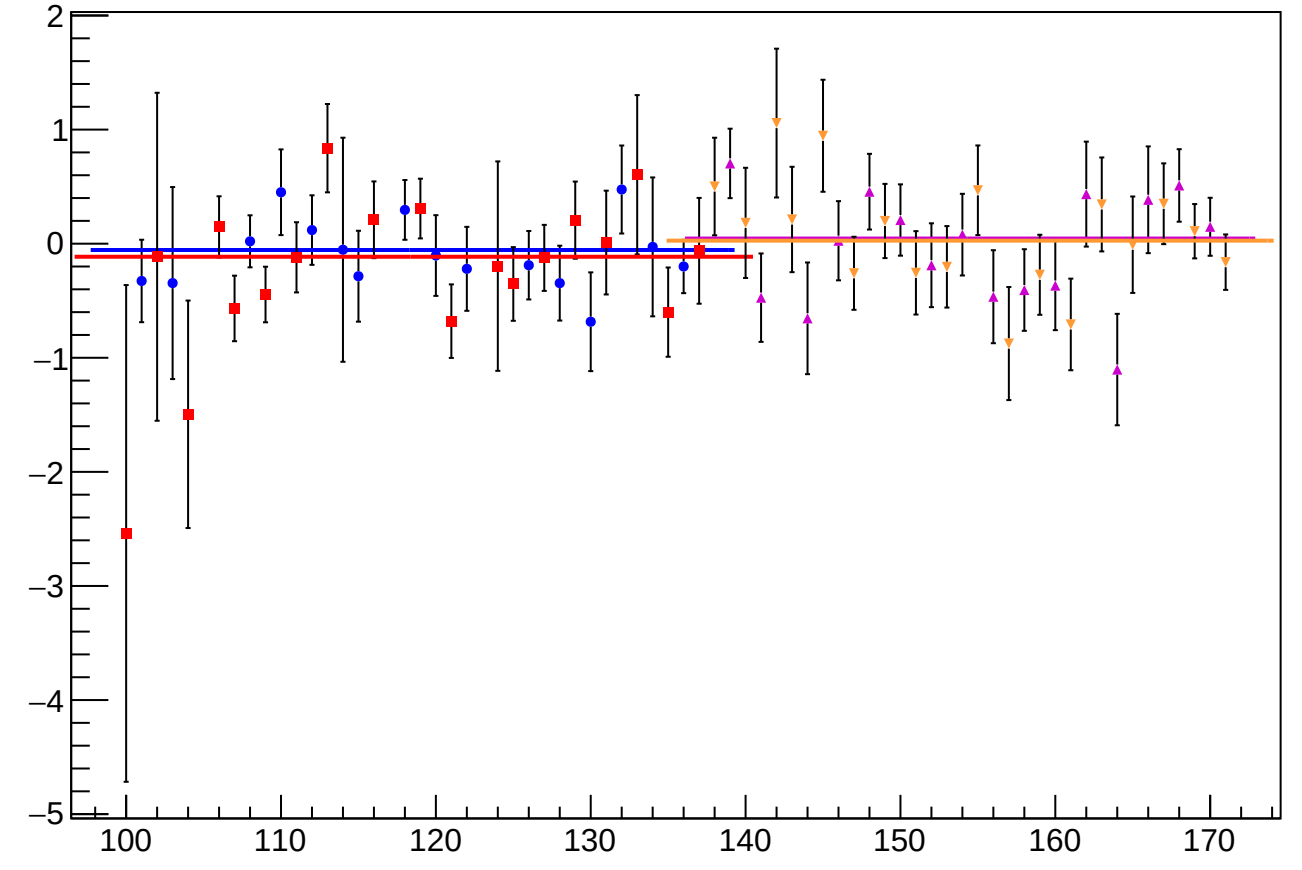
Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4793113.0/15

+ sign 0.008+/-0.000 χ^2/NDF: 11798651.0/33

All: 0.007+/-0.000 χ^2/NDF: 23106275.8/68

- sign 0.007+/-0.000 χ^2/NDF: 11086117.1/34



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.027+/-0.086 χ^2/NDF:20.4/17

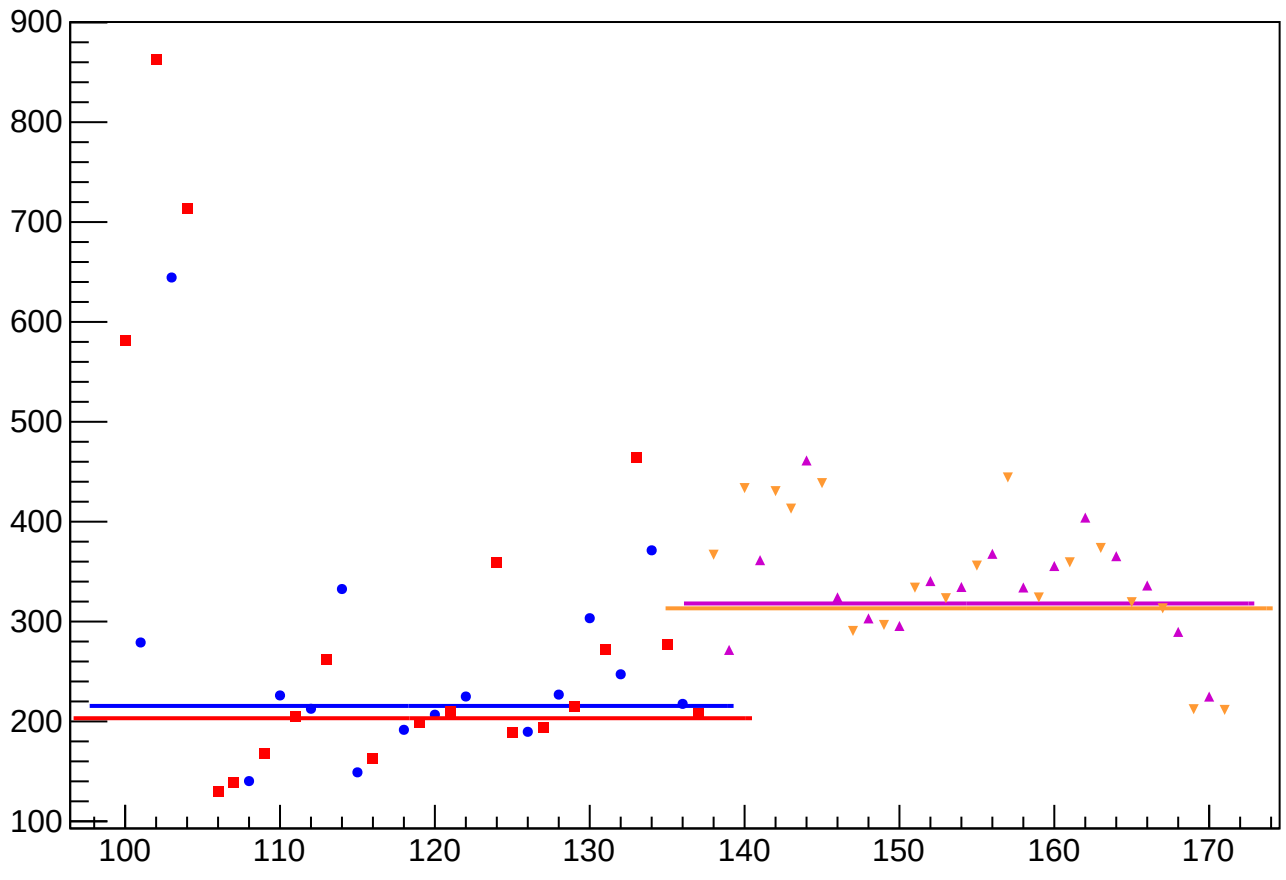
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.045+/-0.090 χ^2/NDF:24.1/15

+ sign -0.015+/-0.061 χ^2/NDF: 31.5/33

All: -0.028+/-0.043 χ^2/NDF: 82.6/68

- sign -0.041+/-0.061 χ^2/NDF: 51.0/34



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 313.232+/-0.061 χ^2/NDF:1413954.8/17

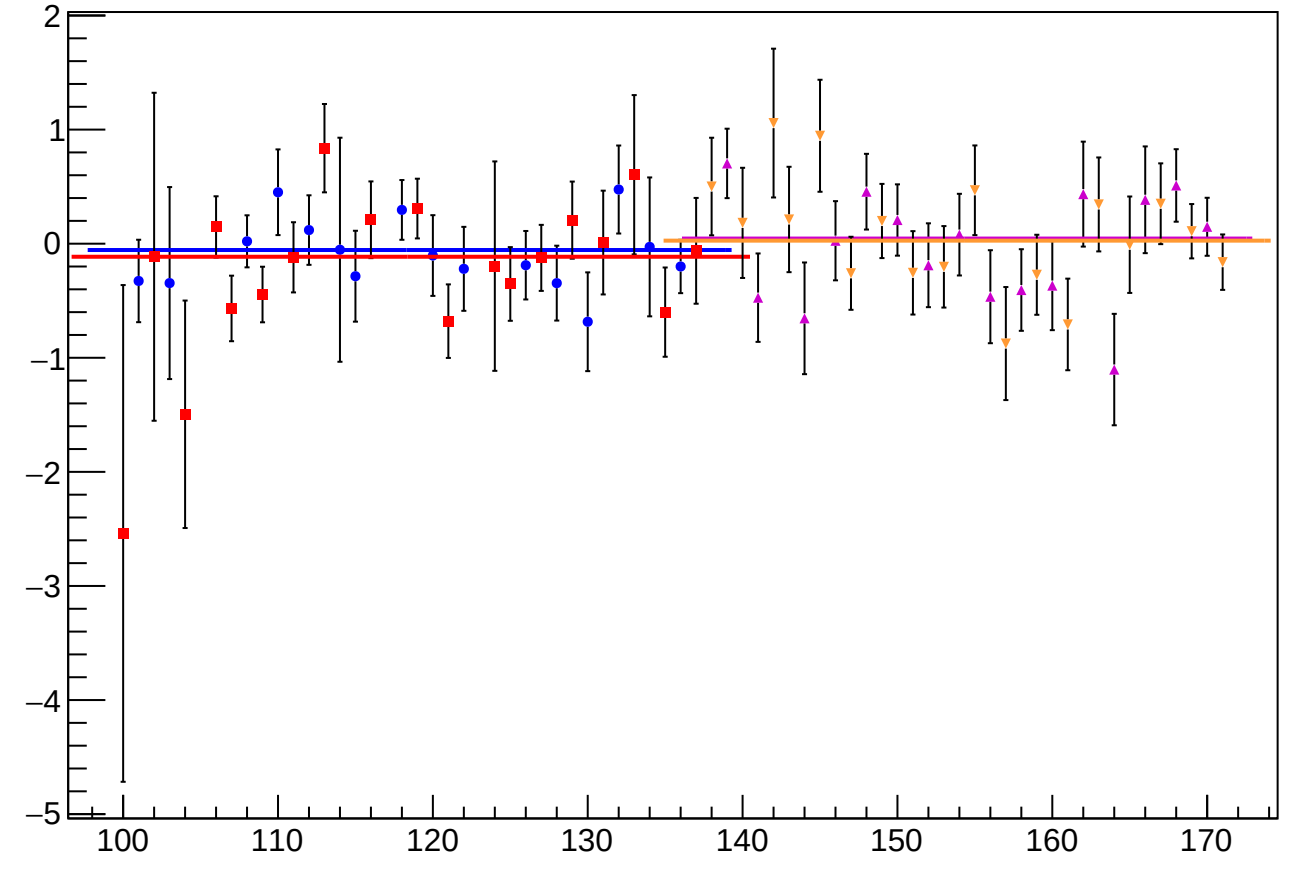
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 318.099+/-0.064 χ^2/NDF:698658.4/15

+ sign 263.933+/-0.043 χ^2/NDF: 3857883.5/33

All: 260.101+/-0.030 χ^2/NDF: 8167390.6/68

- sign 256.223+/-0.043 χ^2/NDF: 4293475.6/34



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.027+/-0.086 χ^2/NDF:20.4/17

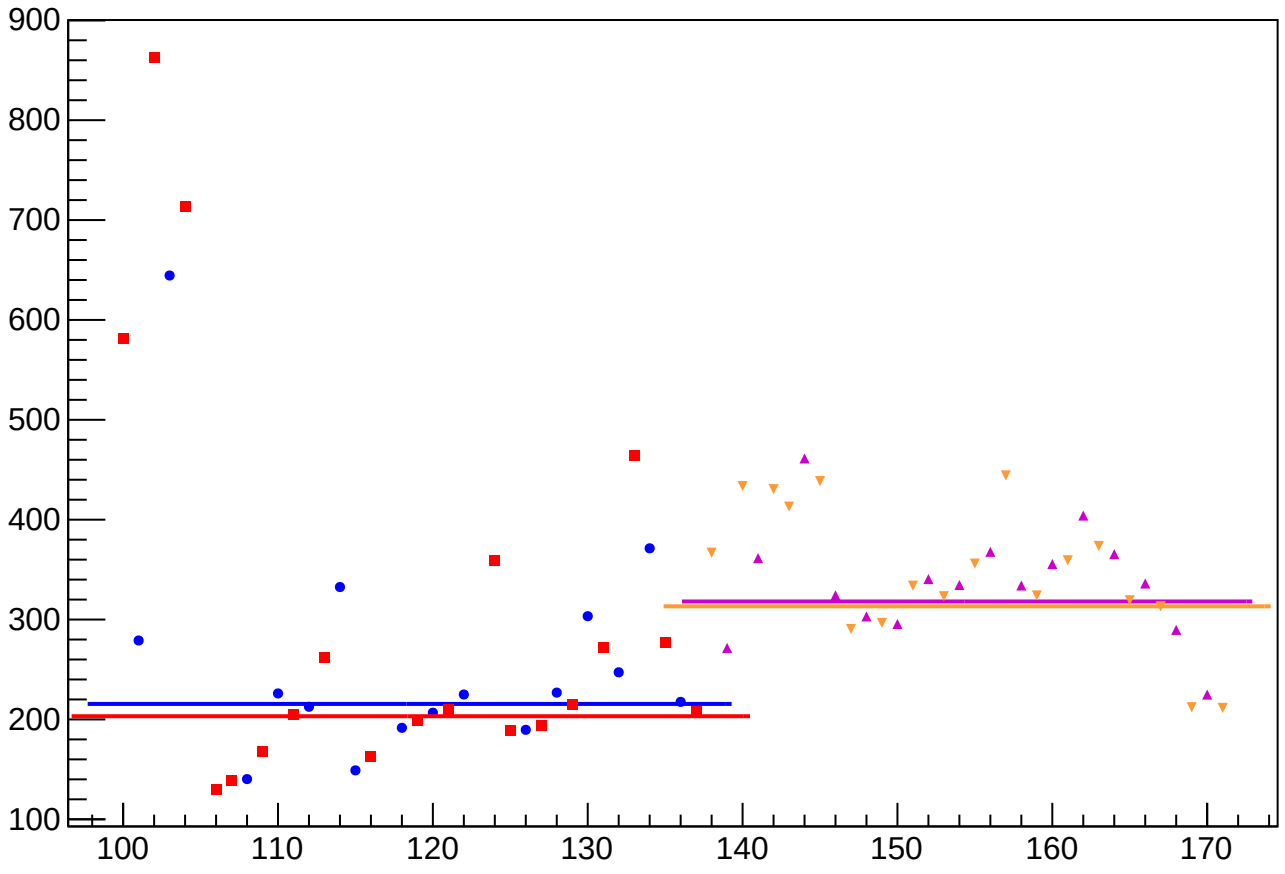
Right Out: -0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.045+/-0.090 χ^2/NDF:24.1/15

+ sign -0.015+/-0.061 χ^2/NDF: 31.5/33

All: -0.028+/-0.043 χ^2/NDF: 82.6/68

- sign -0.041+/-0.061 χ^2/NDF: 51.0/34



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 313.232+/-0.061 χ^2/NDF:1413954.8/17

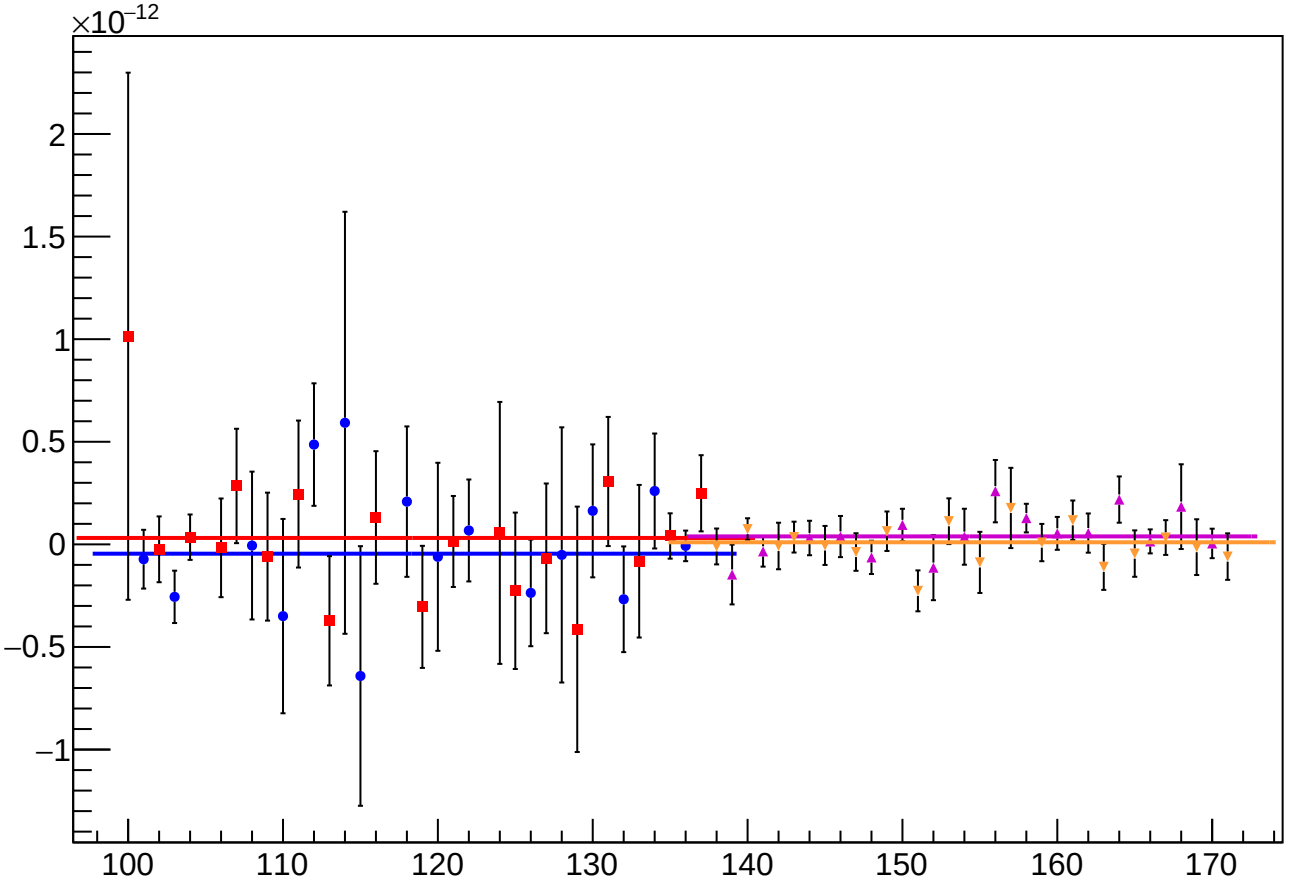
Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 318.099+/-0.064 χ^2/NDF:698658.4/15

+ sign 263.933+/-0.043 χ^2/NDF: 3857883.5/33

All: 260.101+/-0.030 χ^2/NDF: 8167390.6/68

- sign 256.223+/-0.043 χ^2/NDF: 4293475.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

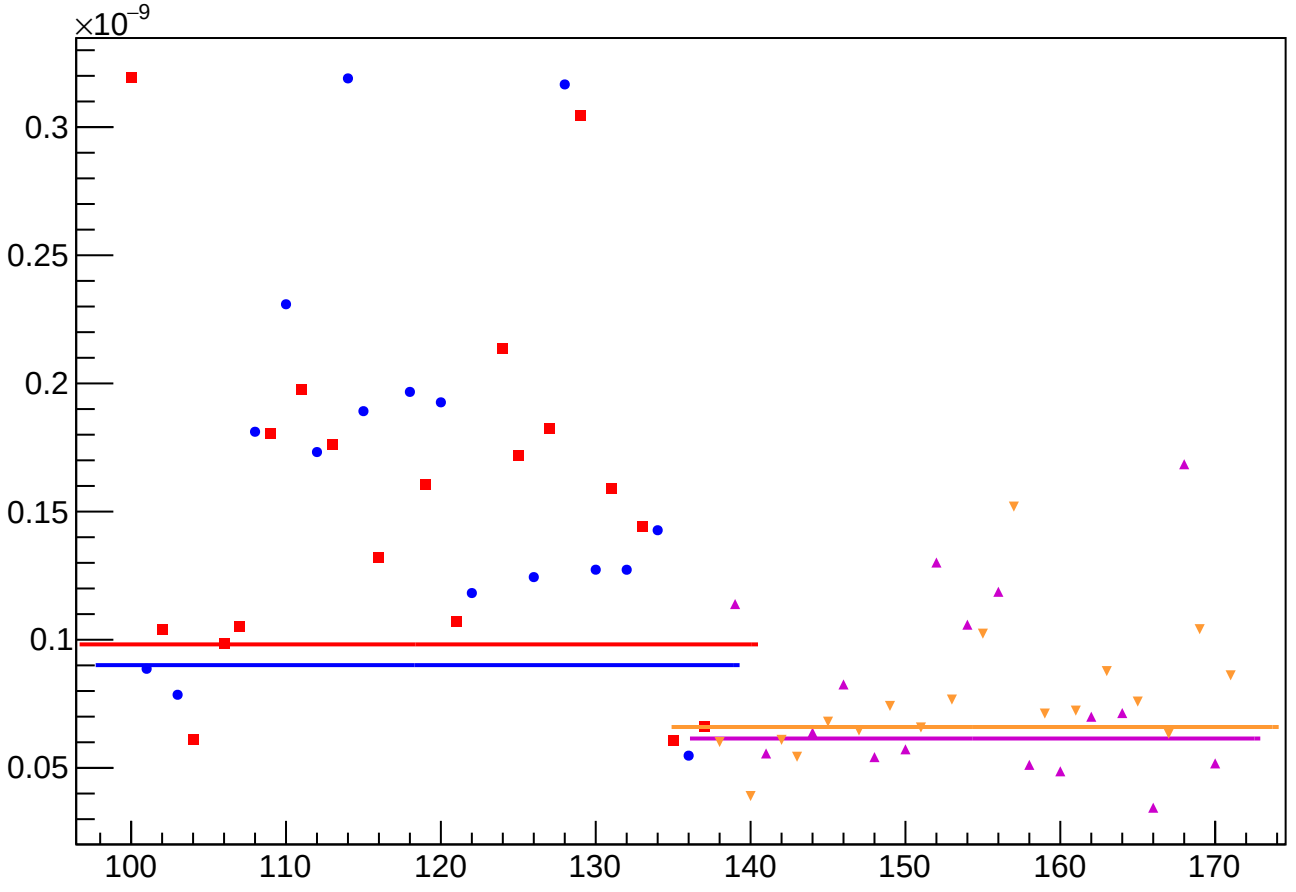
Right Out: 0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 25.5/33

All: 0.000+/-0.000 χ^2/NDF: 48.3/68

- sign 0.000+/-0.000 χ^2/NDF: 21.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1445724.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

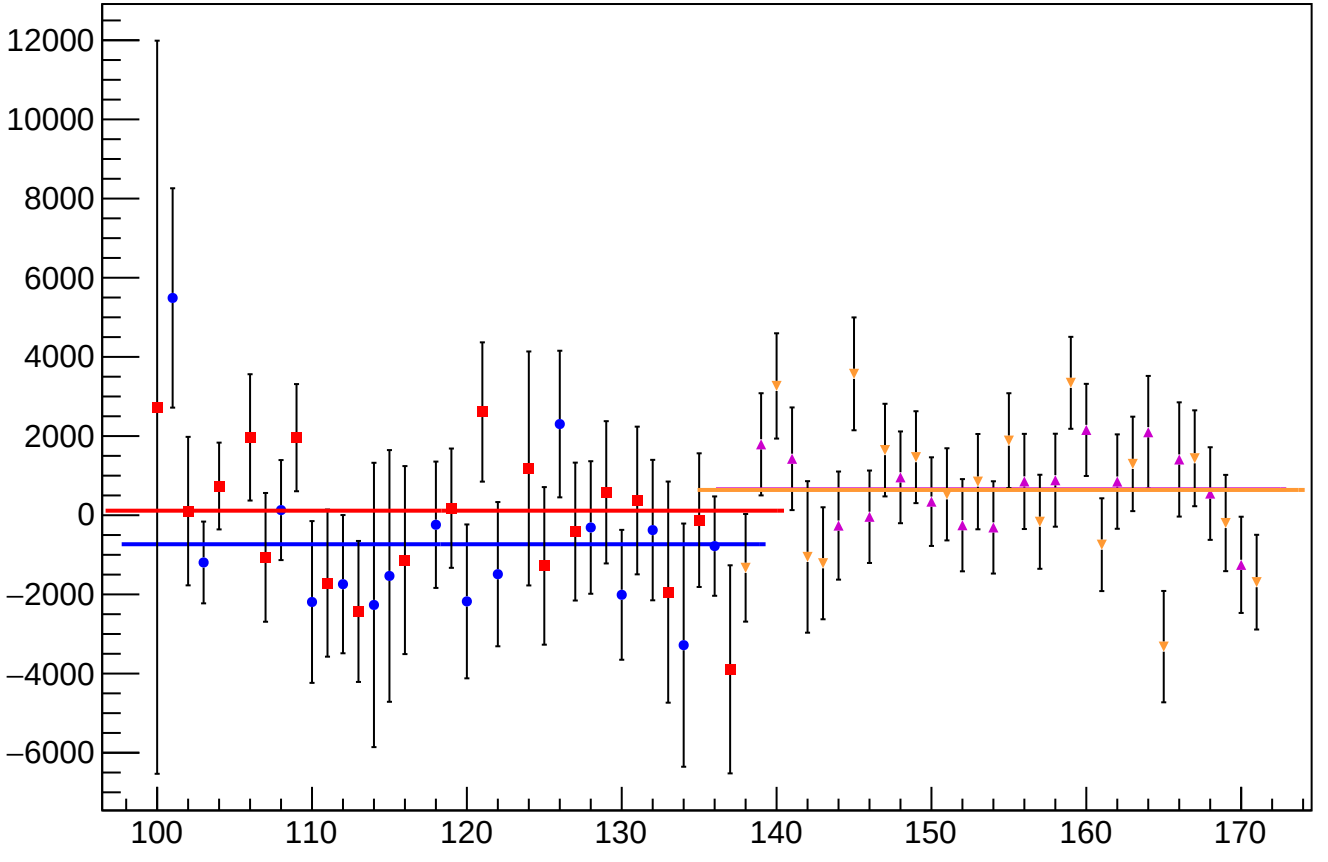
Left In: 0.000+/-0.000 χ^2/NDF:2380017.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 3642205.2/33

All: 0.000+/-0.000 χ^2/NDF: 8573274.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4912892.0/34

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 639.087+/-296.046 χ^2/NDF:35.3/17

Right Out: 115.040+/-411.437 χ^2/NDF: 13.1/18

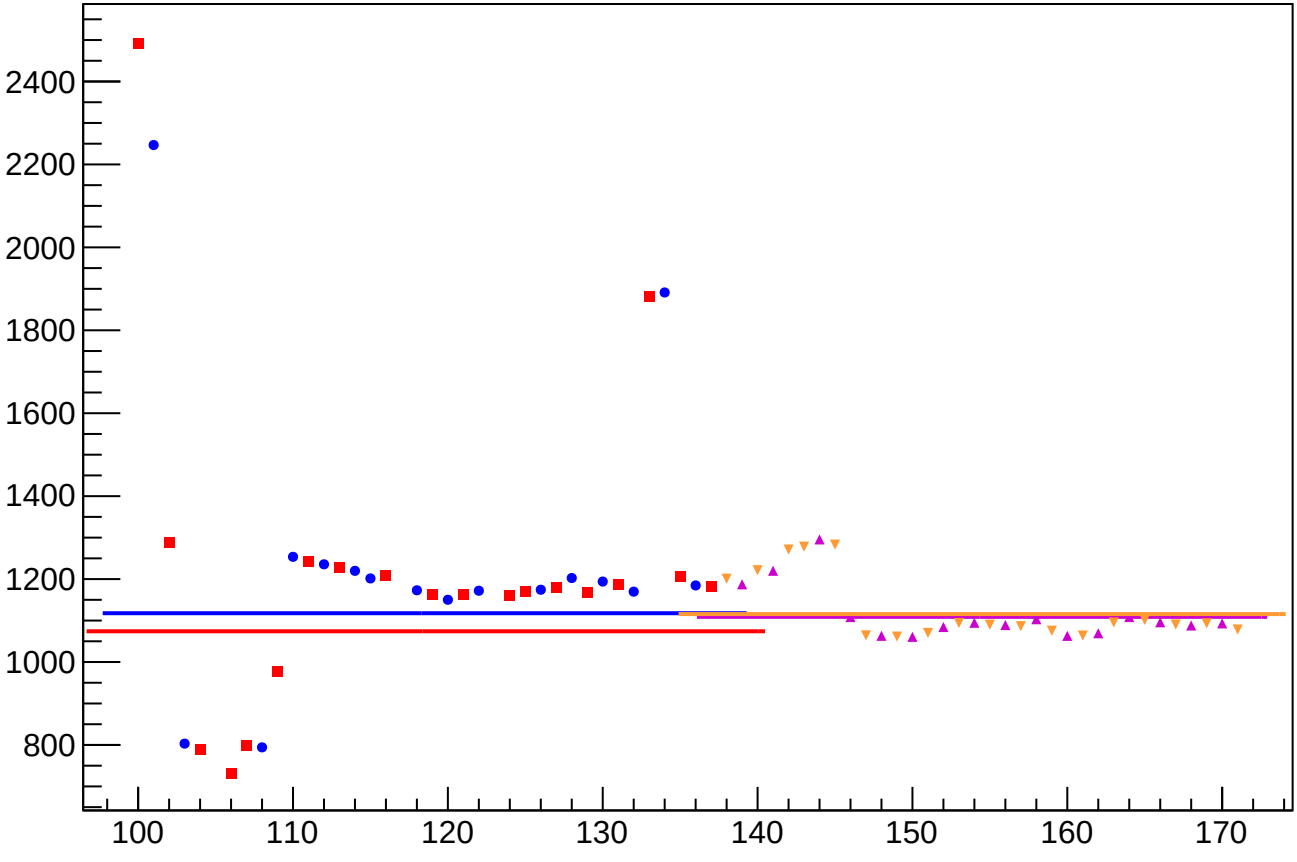
Left In: 654.644+/-305.424 χ^2/NDF:8.9/15

+ sign 194.279+/-243.363 χ^2/NDF: 54.0/33

All: 327.575+/-172.743 χ^2/NDF: 77.7/68

- sign 462.934+/-245.239 χ^2/NDF: 23.1/34

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

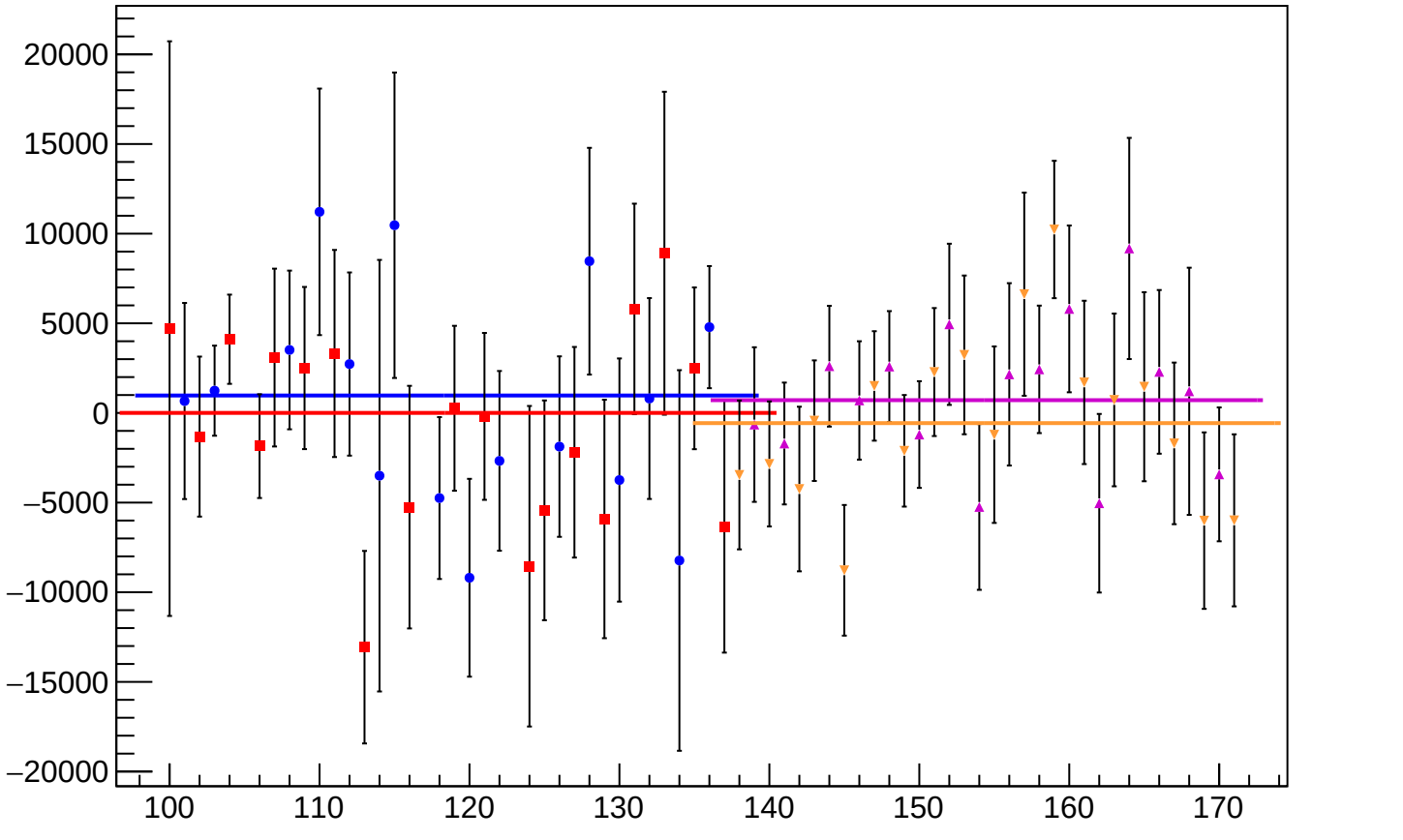
Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

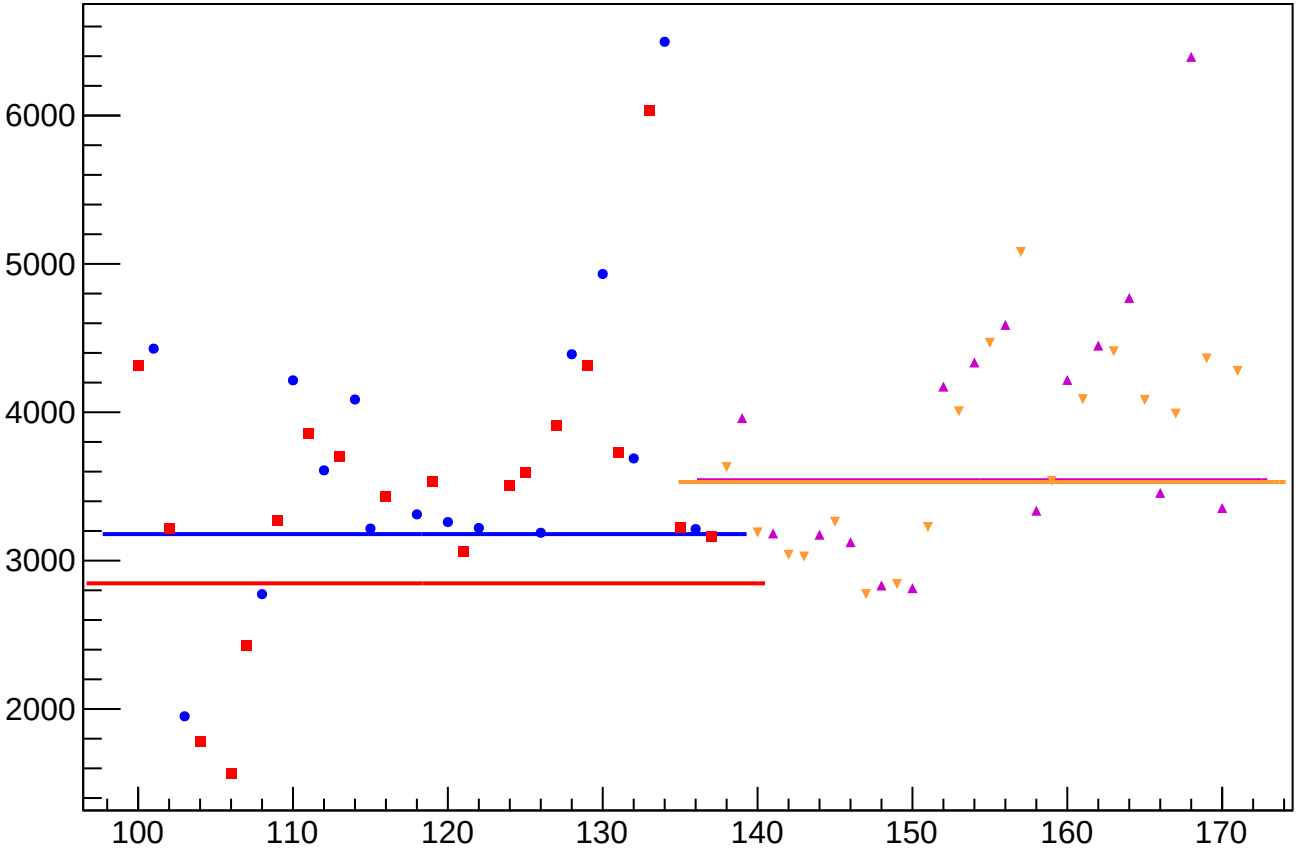
+ sign 1116.290+/-0.172 χ^2/NDF: 932216.8/33

All: 1106.424+/-0.122 χ^2/NDF: 1672197.0/68

- sign 1096.464+/-0.173 χ^2/NDF: 733374.3/34


asym_usr_atr2_dd_reg_correction_mean vs Slug
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -566.467+/-956.296 χ²/NDF:21.3/17
Right Out: 2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: 713.362+/-997.253 χ²/NDF:10.3/15
+ sign 12.182+/-755.600 χ²/NDF: 36.1/33
All: 207.960+/-529.776 χ²/NDF: 63.3/68
- sign 397.259+/-742.993 χ²/NDF: 27.1/34

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3530.035+/-0.676 χ^2/NDF:824477.5/17

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

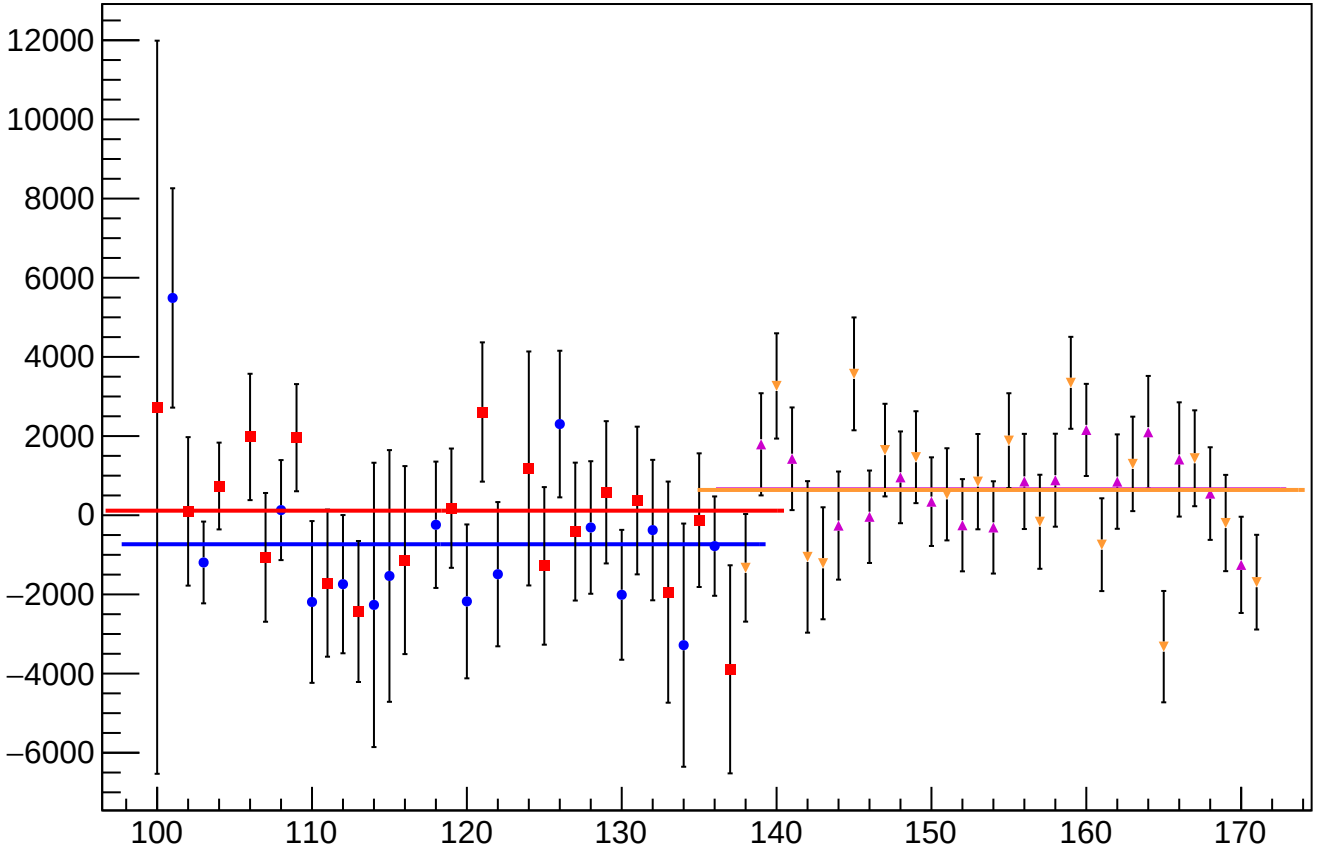
Left In: 3541.904+/-0.705 χ^2/NDF:1047906.4/15

+ sign 3398.105+/-0.534 χ^2/NDF: 2017475.5/33

All: 3314.030+/-0.375 χ^2/NDF: 5057291.1/68

- sign 3232.737+/-0.525 χ^2/NDF: 2991111.1/34

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 639.176+/-296.046 χ^2/NDF:35.3/17

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

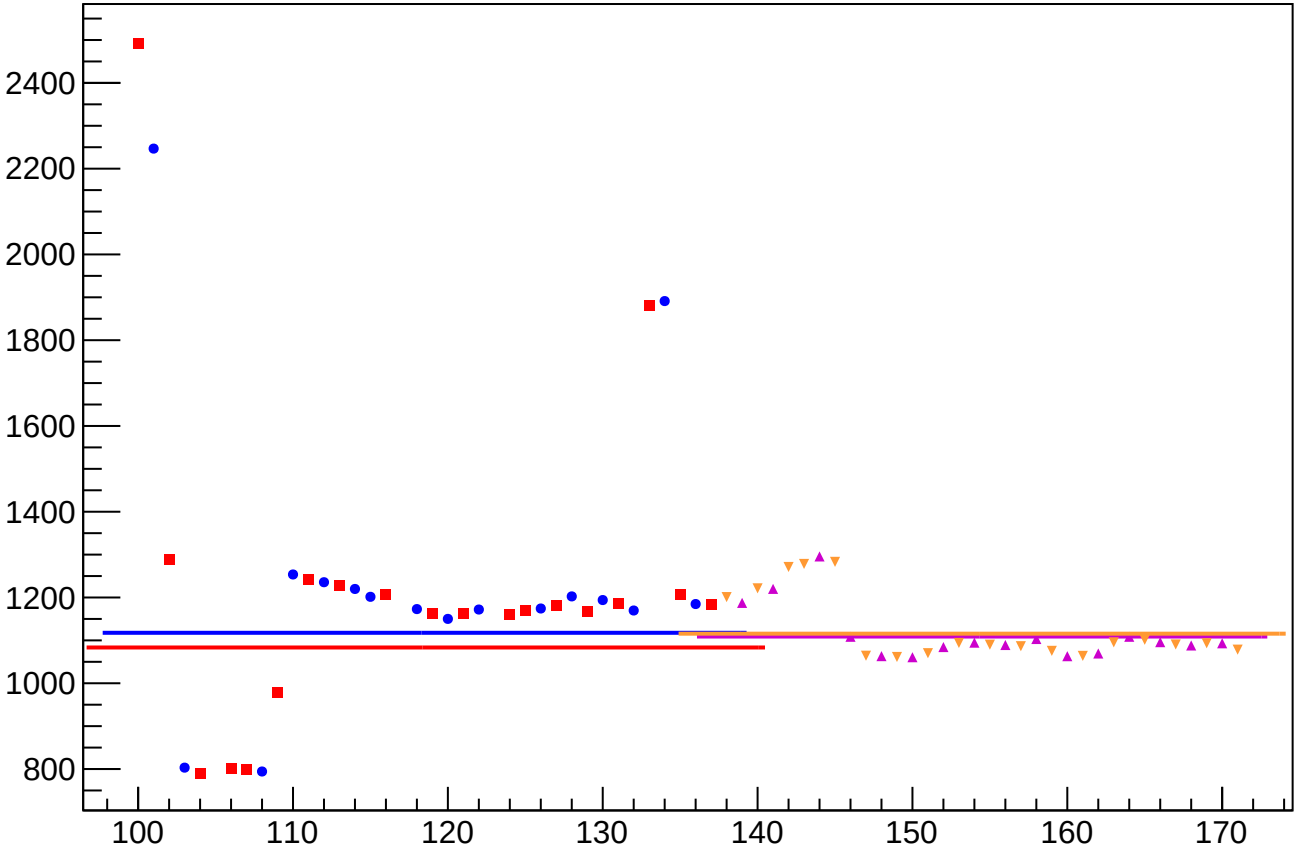
Left In: 654.611+/-305.424 χ^2/NDF:8.9/15

+ sign 194.361+/-243.363 χ^2/NDF: 54.0/33

All: 327.653+/-172.743 χ^2/NDF: 77.7/68

- sign 463.010+/-245.239 χ^2/NDF: 23.1/34

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

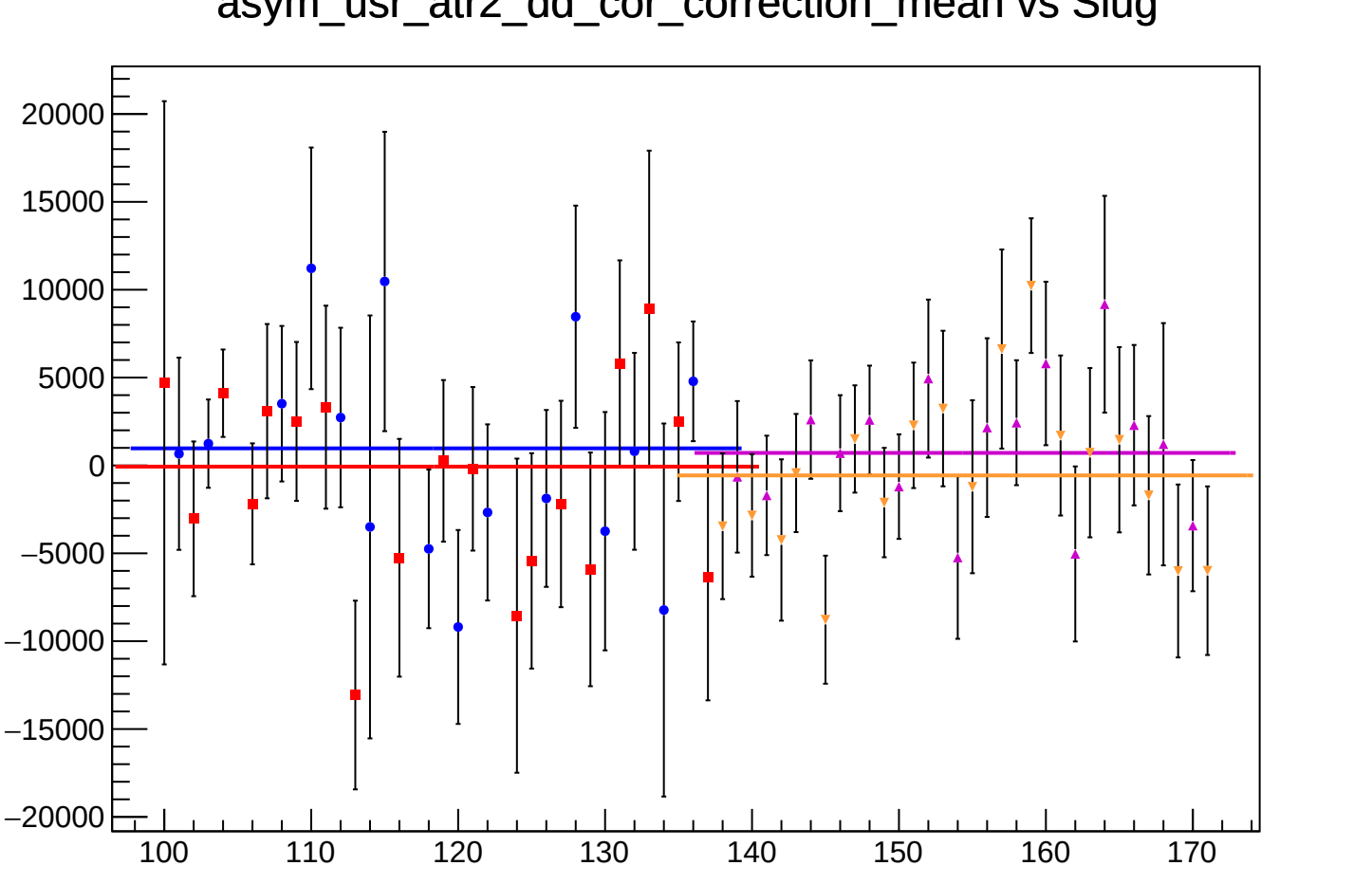
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

+ sign 1116.290+/-0.172 χ^2/NDF: 932213.4/33

All: 1108.137+/-0.122 χ^2/NDF: 1611266.5/68

- sign 1099.869+/-0.173 χ^2/NDF: 674531.7/34



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -566.475+/-956.295 χ^2/NDF:21.3/17

Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

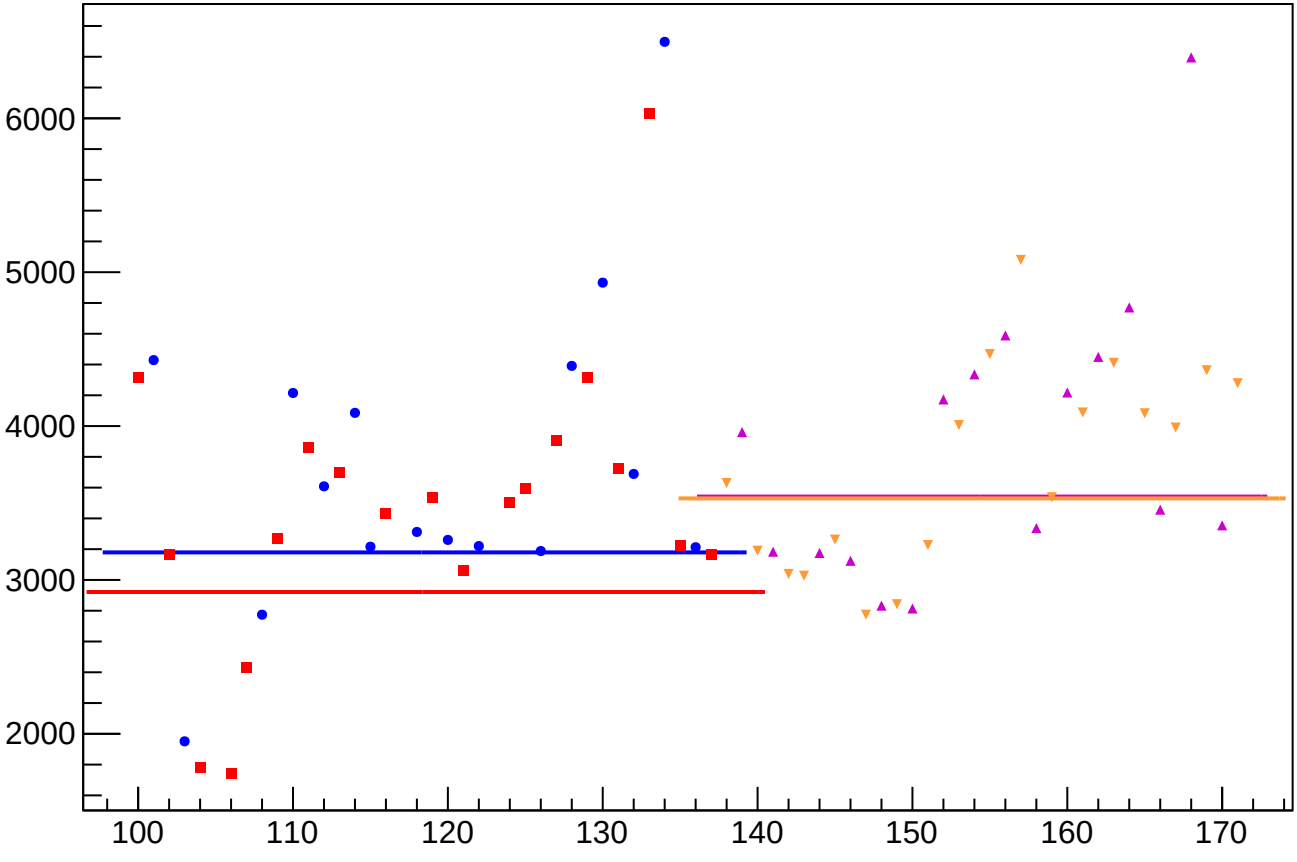
Left In: 713.370+/-997.253 χ^2/NDF:10.3/15

+ sign 11.960+/-755.611 χ^2/NDF: 36.1/33

All: 194.491+/-532.298 χ^2/NDF: 63.8/68

- sign 374.316+/-749.987 χ^2/NDF: 27.5/34

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3530.031+/-0.676 χ^2/NDF:824480.0/17

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

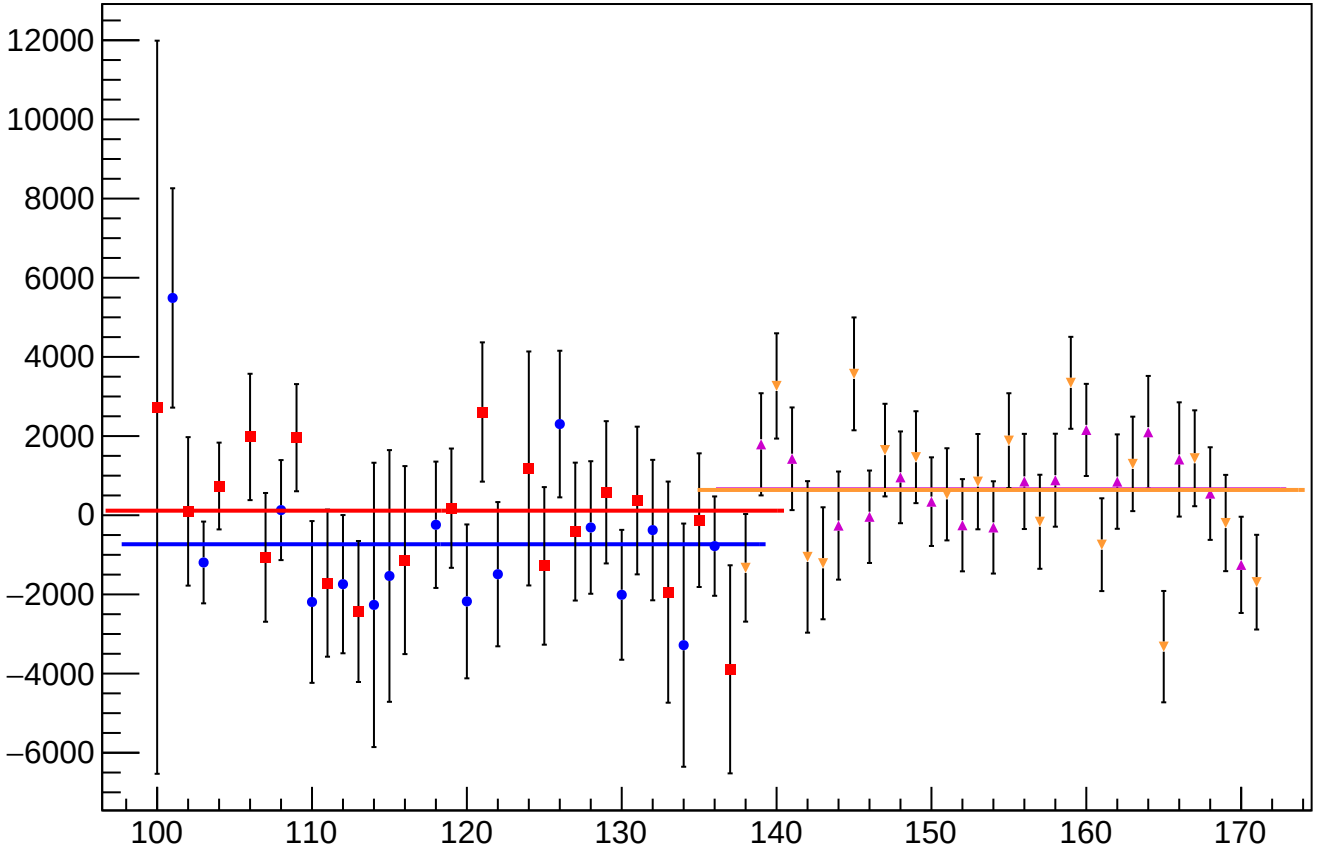
Left In: 3541.901+/-0.705 χ^2/NDF:1047910.3/15

+ sign 3398.179+/-0.534 χ^2/NDF: 2016923.9/33

All: 3334.845+/-0.376 χ^2/NDF: 4741721.6/68

- sign 3272.450+/-0.530 χ^2/NDF: 2696904.3/34

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 639.176+/-296.046 χ^2/NDF:35.3/17

Right Out: 115.308+/-411.441 χ^2/NDF: 13.1/18

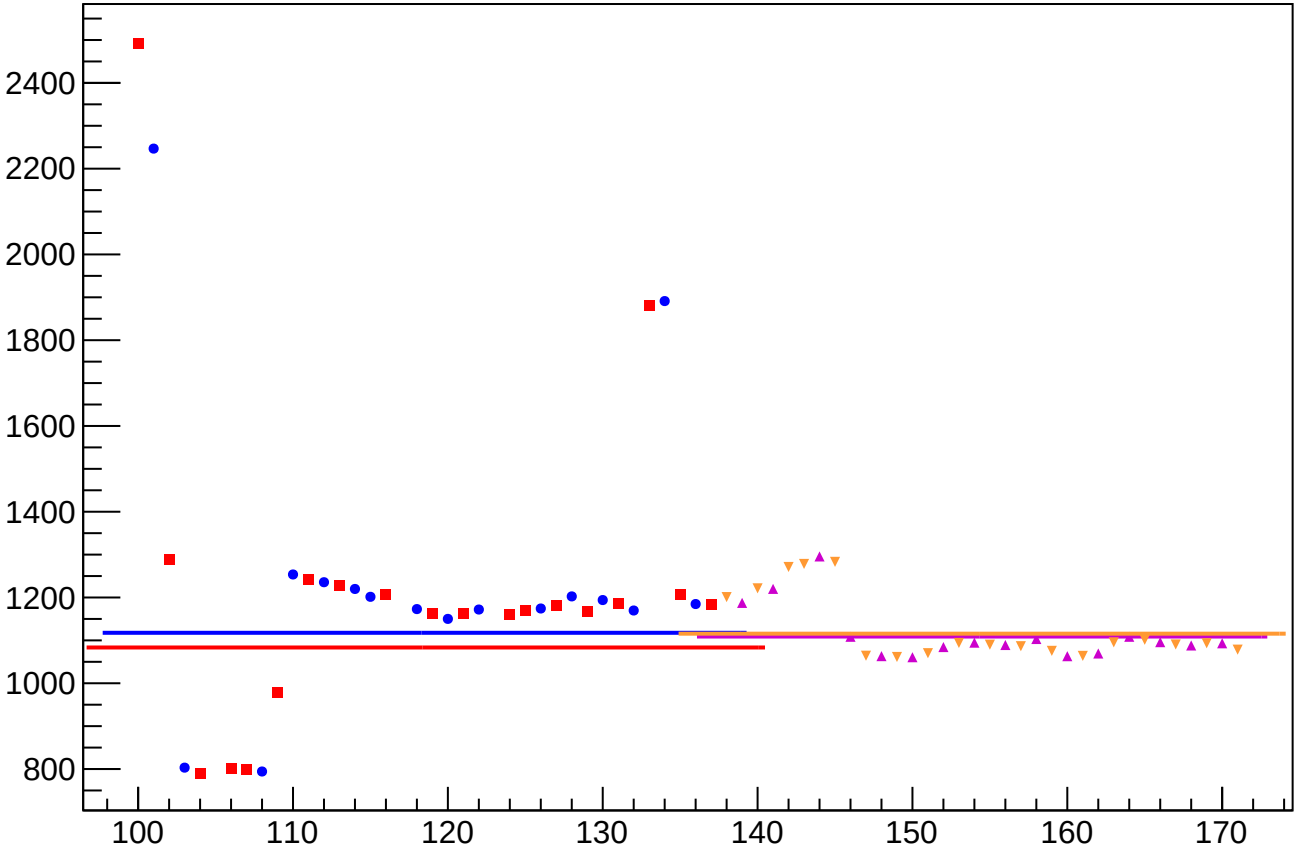
Left In: 654.611+/-305.424 χ^2/NDF:8.9/15

+ sign 194.361+/-243.363 χ^2/NDF: 54.0/33

All: 327.653+/-172.743 χ^2/NDF: 77.7/68

- sign 463.010+/-245.239 χ^2/NDF: 23.1/34

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

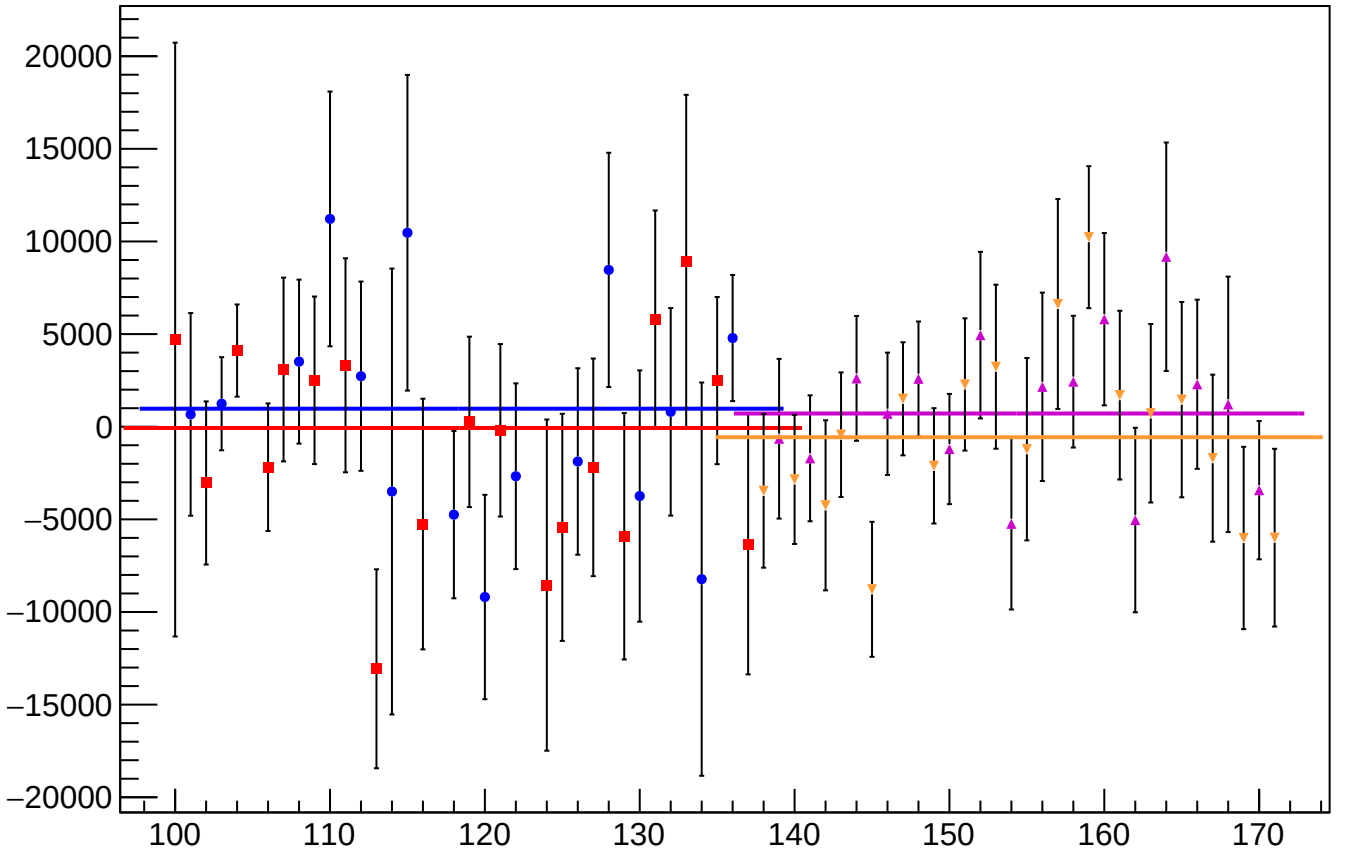
Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1108.967+/-0.216 χ^2/NDF:74531.7/15

+ sign 1116.290+/-0.172 χ^2/NDF: 932213.4/33

All: 1108.137+/-0.122 χ^2/NDF: 1611266.5/68

- sign 1099.869+/-0.173 χ^2/NDF: 674531.7/34



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -566.475+/-956.295 χ^2/NDF:21.3/17

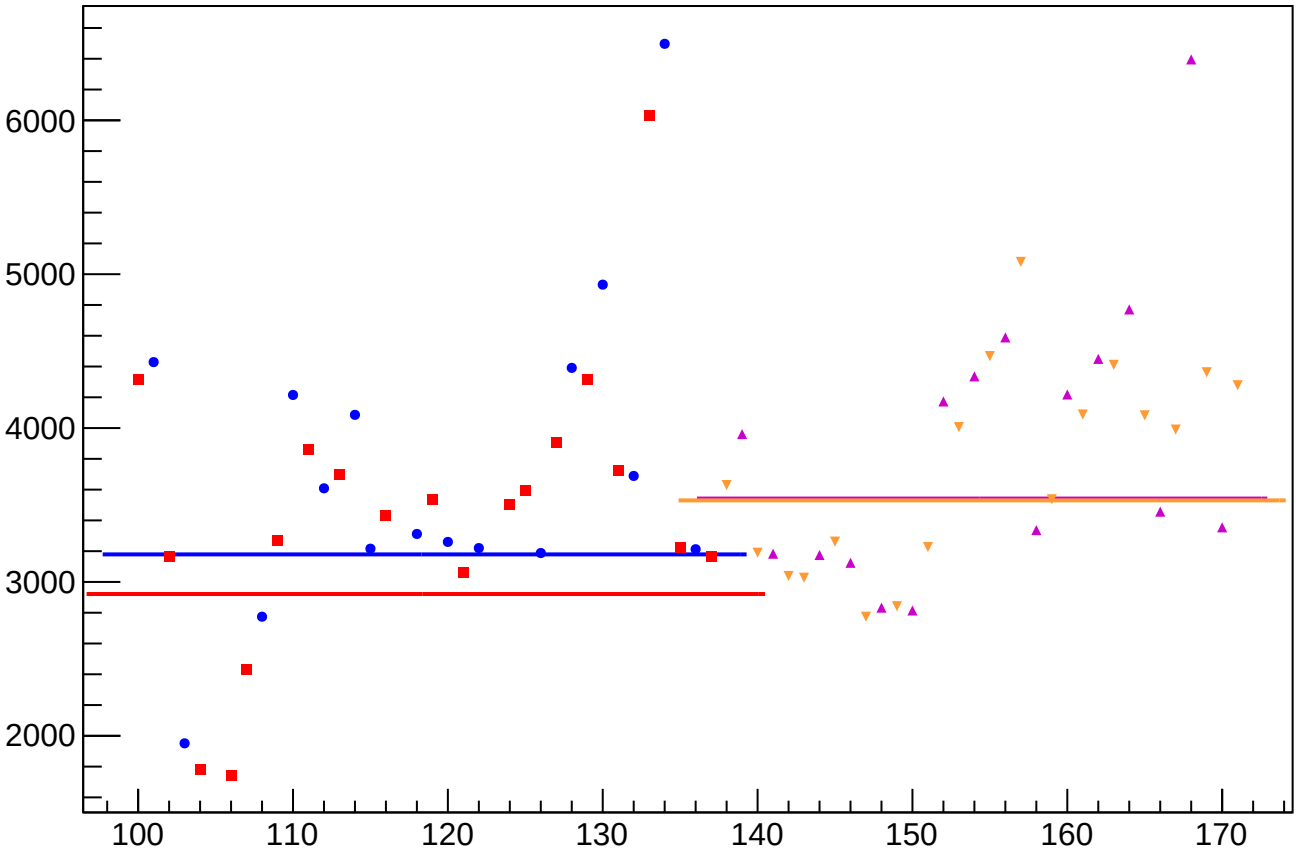
Right Out: -67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: 713.370+/-997.253 χ^2/NDF:10.3/15

+ sign 11.960+/-755.611 χ^2/NDF: 36.1/33

All: 194.491+/-532.298 χ^2/NDF: 63.8/68

- sign 374.316+/-749.987 χ^2/NDF: 27.5/34



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3530.031+/-0.676 χ^2/NDF:824480.0/17

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

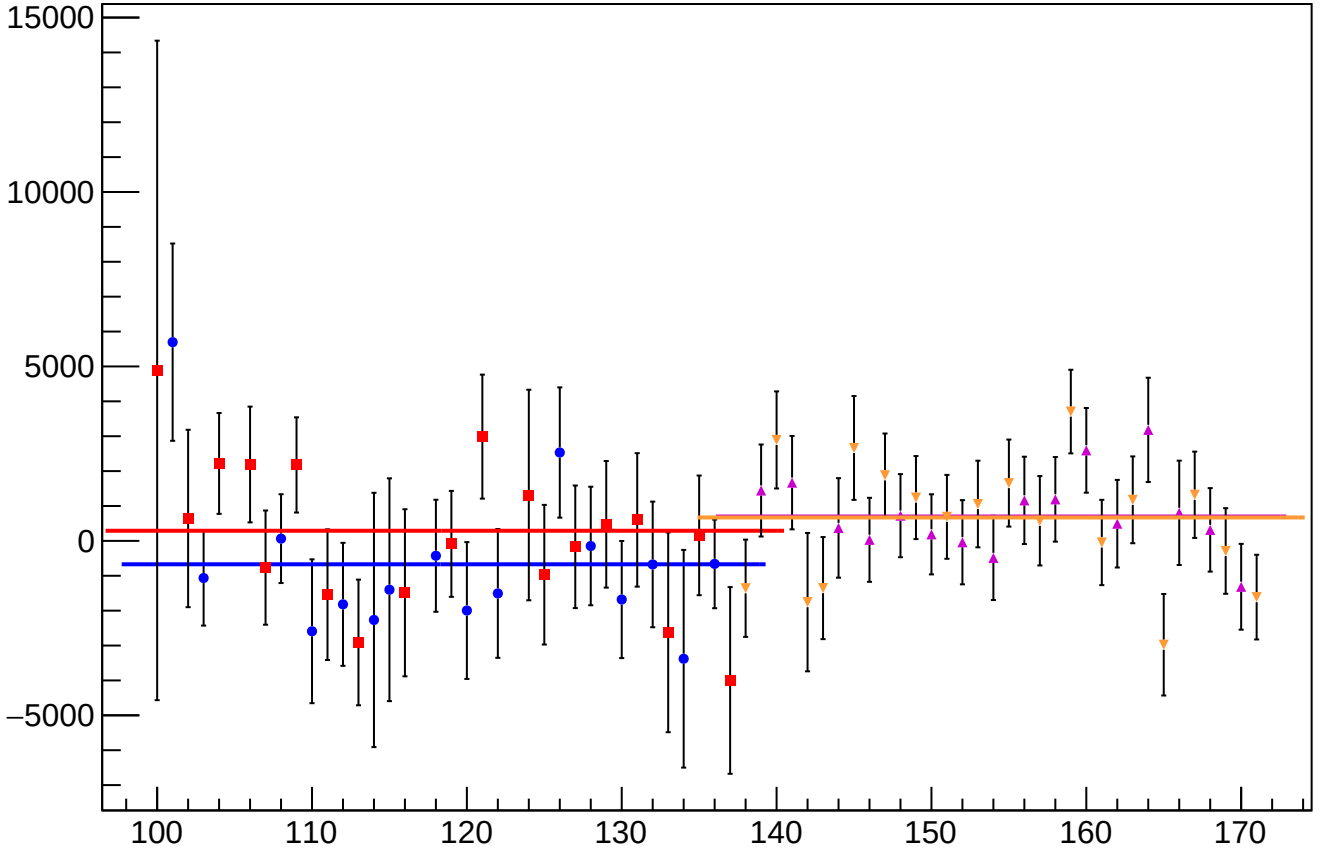
Left In: 3541.901+/-0.705 χ^2/NDF:1047910.3/15

+ sign 3398.179+/-0.534 χ^2/NDF: 2016923.9/33

All: 3334.845+/-0.376 χ^2/NDF: 4741721.6/68

- sign 3272.450+/-0.530 χ^2/NDF: 2696904.3/34

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 670.807+/-305.978 χ^2/NDF:29.5/17

Right Out: 290.311+/-434.425 χ^2/NDF: 16.9/18

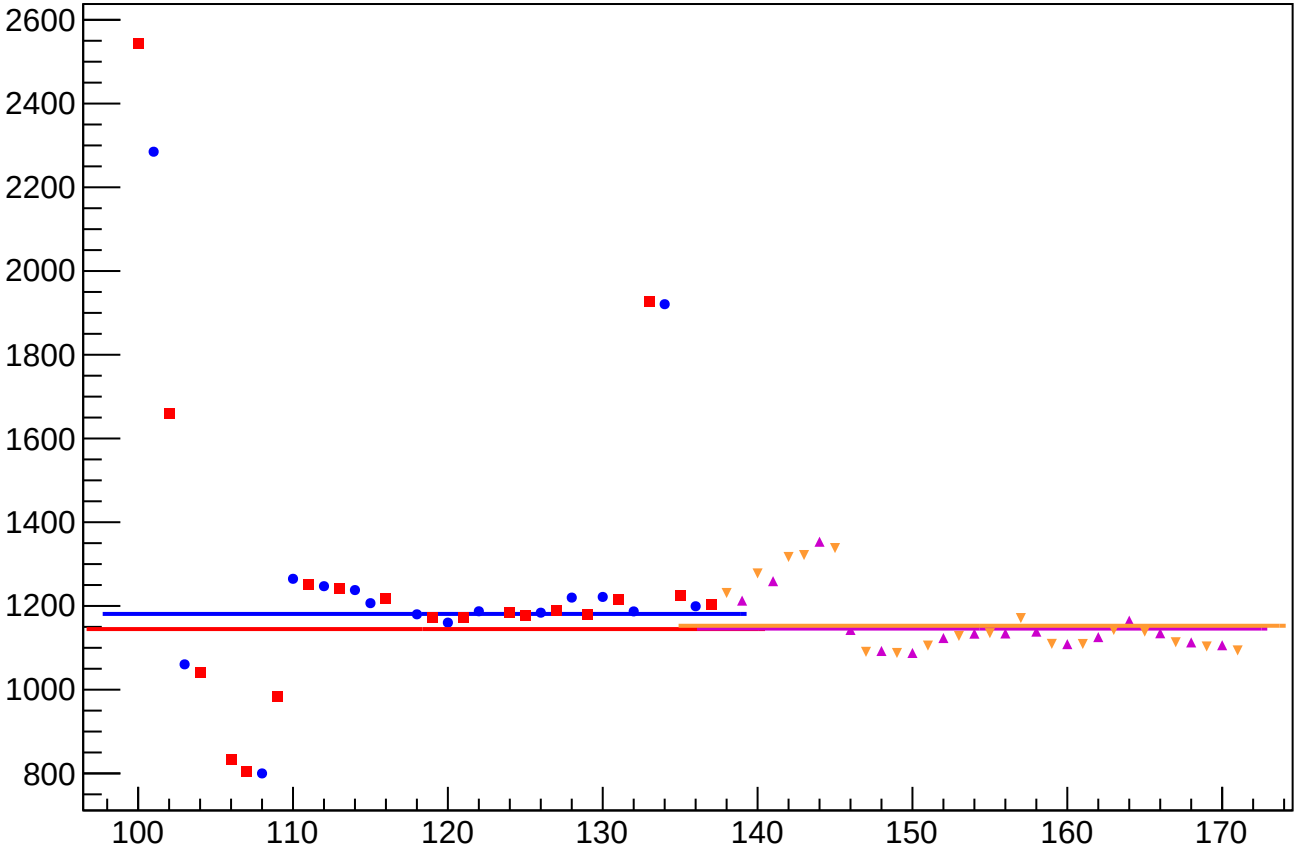
Left In: 698.914+/-315.647 χ^2/NDF:11.1/15

+ sign 244.697+/-252.760 χ^2/NDF: 47.5/33

All: 399.614+/-179.640 χ^2/NDF: 76.8/68

- sign 557.734+/-255.359 χ^2/NDF: 28.6/34

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1152.688+/-0.216 χ^2/NDF:125518.4/17

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

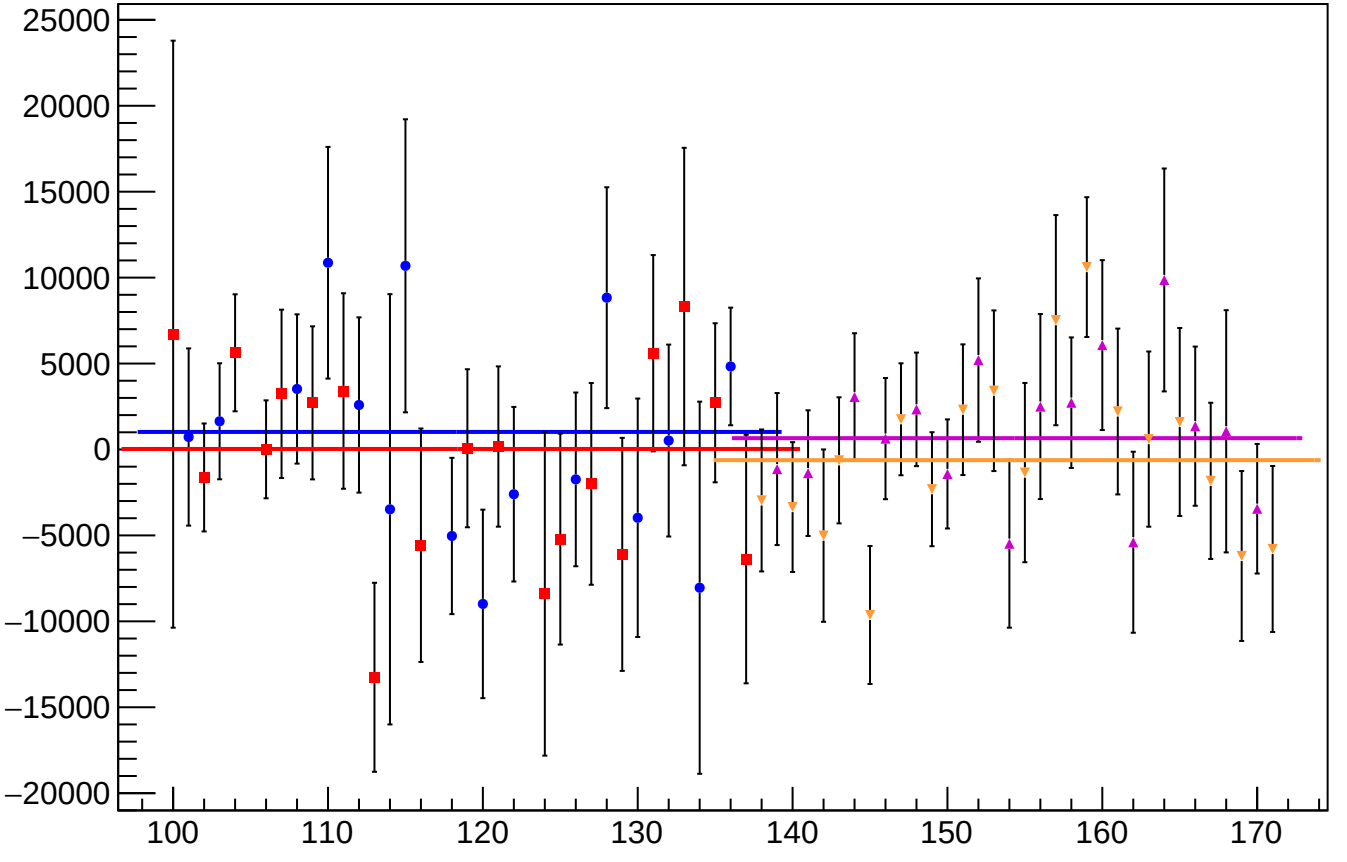
Left In: 1145.912+/-0.223 χ^2/NDF:78529.6/15

+ sign 1161.666+/-0.179 χ^2/NDF: 752818.4/33

All: 1153.674+/-0.127 χ^2/NDF: 1333127.3/68

- sign 1145.519+/-0.181 χ^2/NDF: 576269.1/34

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -621.170+/-1012.246 χ^2/NDF:21.3/17

Right Out: 30.135+/-1130.743 χ^2/NDF: 16.1/18

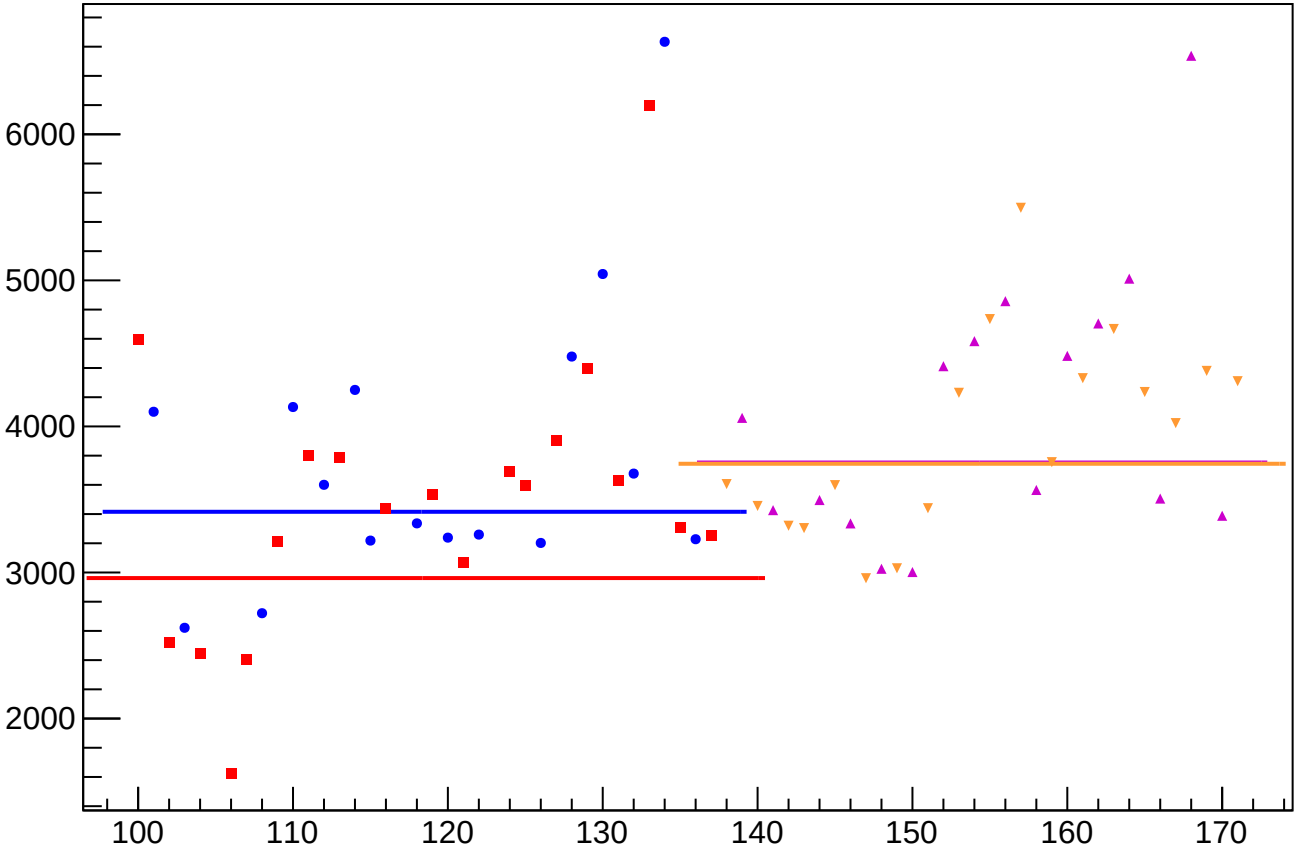
Left In: 658.599+/-1055.434 χ^2/NDF:10.2/15

\+ sign -2.756+/-799.243 χ^2/NDF: 36.1/33

All: 188.115+/-555.102 χ^2/NDF: 62.8/68

\- sign 365.991+/-771.555 χ^2/NDF: 26.5/34

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3744.349+/-0.716 χ^2/NDF:718676.0/17

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

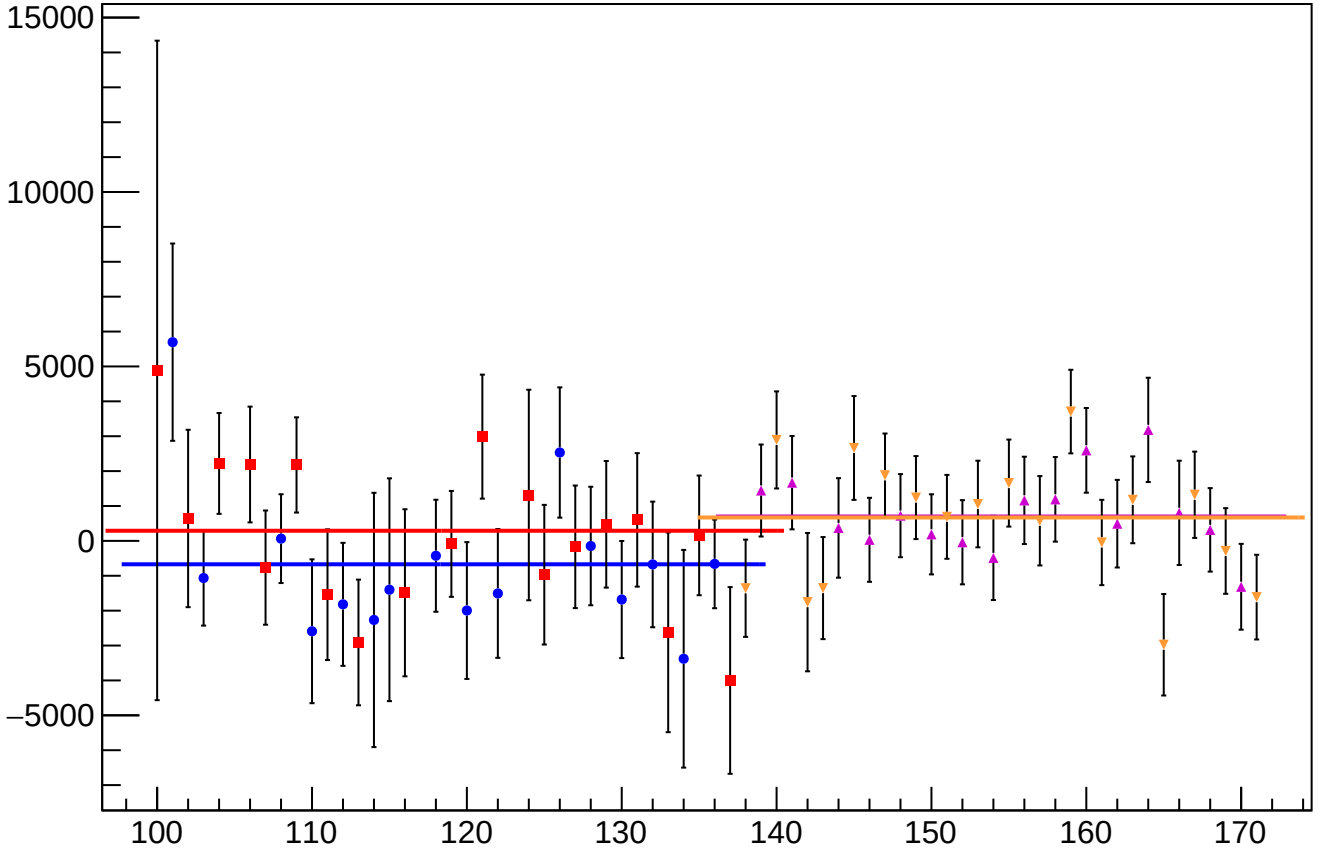
Left In: 3753.037+/-0.746 χ^2/NDF:978037.9/15

+ sign 3620.549+/-0.565 χ^2/NDF: 1390461.8/33

All: 3498.438+/-0.393 χ^2/NDF: 4151296.1/68

- sign 3384.642+/-0.546 χ^2/NDF: 2670642.5/34

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 670.813+/-305.978 χ^2/NDF:29.5/17

Right Out: 290.316+/-434.425 χ^2/NDF: 16.9/18

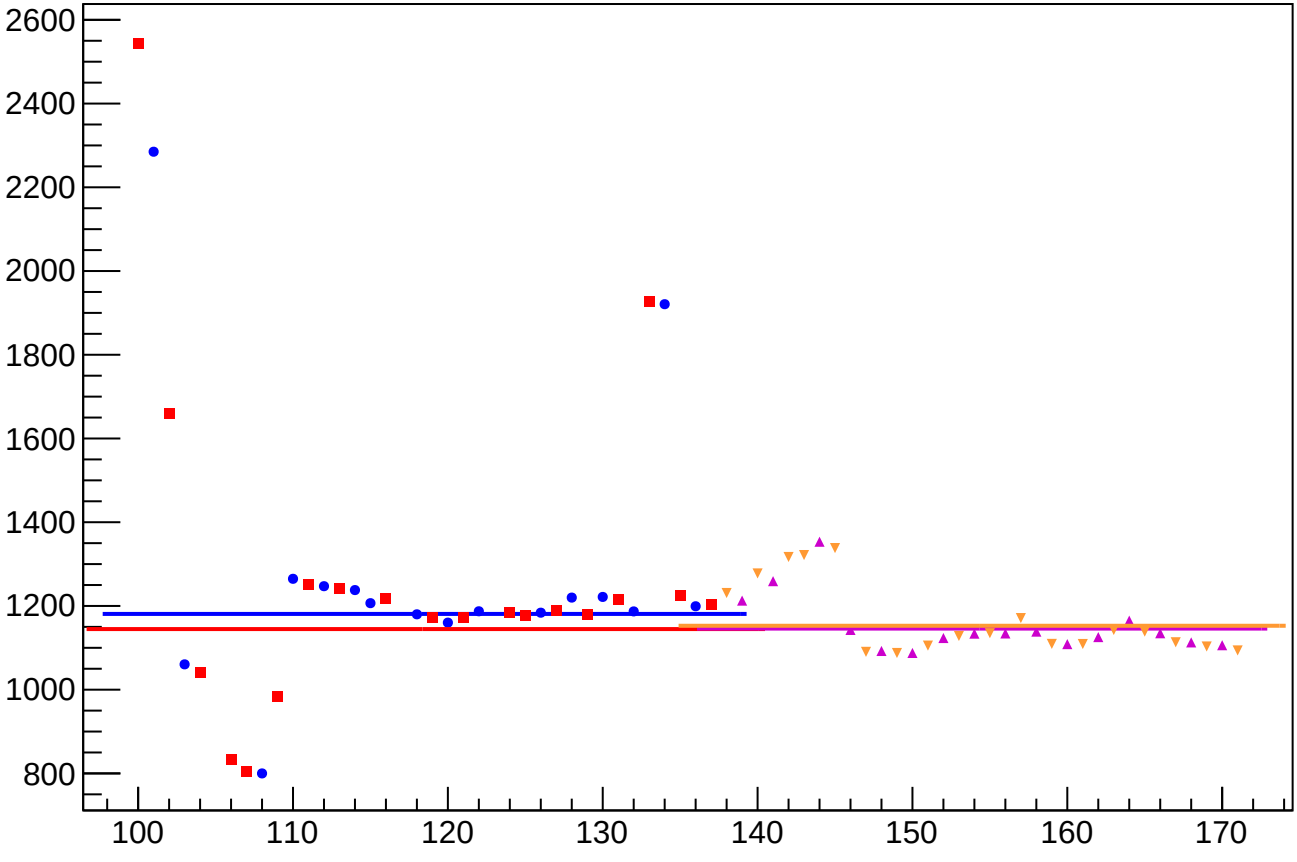
Left In: 698.915+/-315.648 χ^2/NDF:11.1/15

+ sign 244.699+/-252.760 χ^2/NDF: 47.5/33

All: 399.616+/-179.640 χ^2/NDF: 76.8/68

- sign 557.737+/-255.359 χ^2/NDF: 28.6/34

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1152.689+/-0.216 χ^2/NDF:125518.3/17

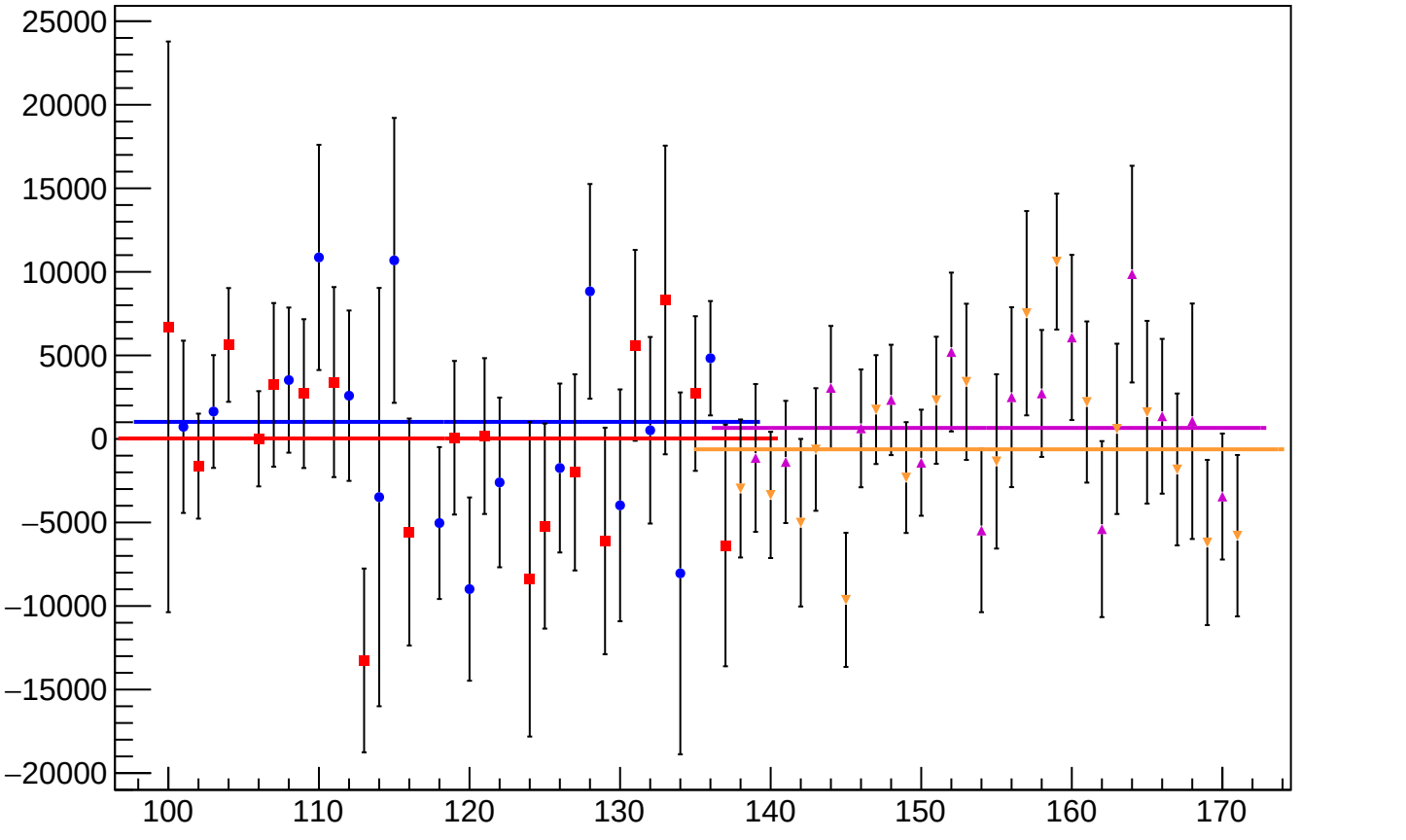
Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1145.913+/-0.223 χ^2/NDF:78529.1/15

+ sign 1161.666+/-0.179 χ^2/NDF: 752818.3/33

All: 1153.674+/-0.127 χ^2/NDF: 1333126.2/68

- sign 1145.520+/-0.181 χ^2/NDF: 576268.3/34



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -621.170+/-1012.247 χ^2/NDF:21.3/17

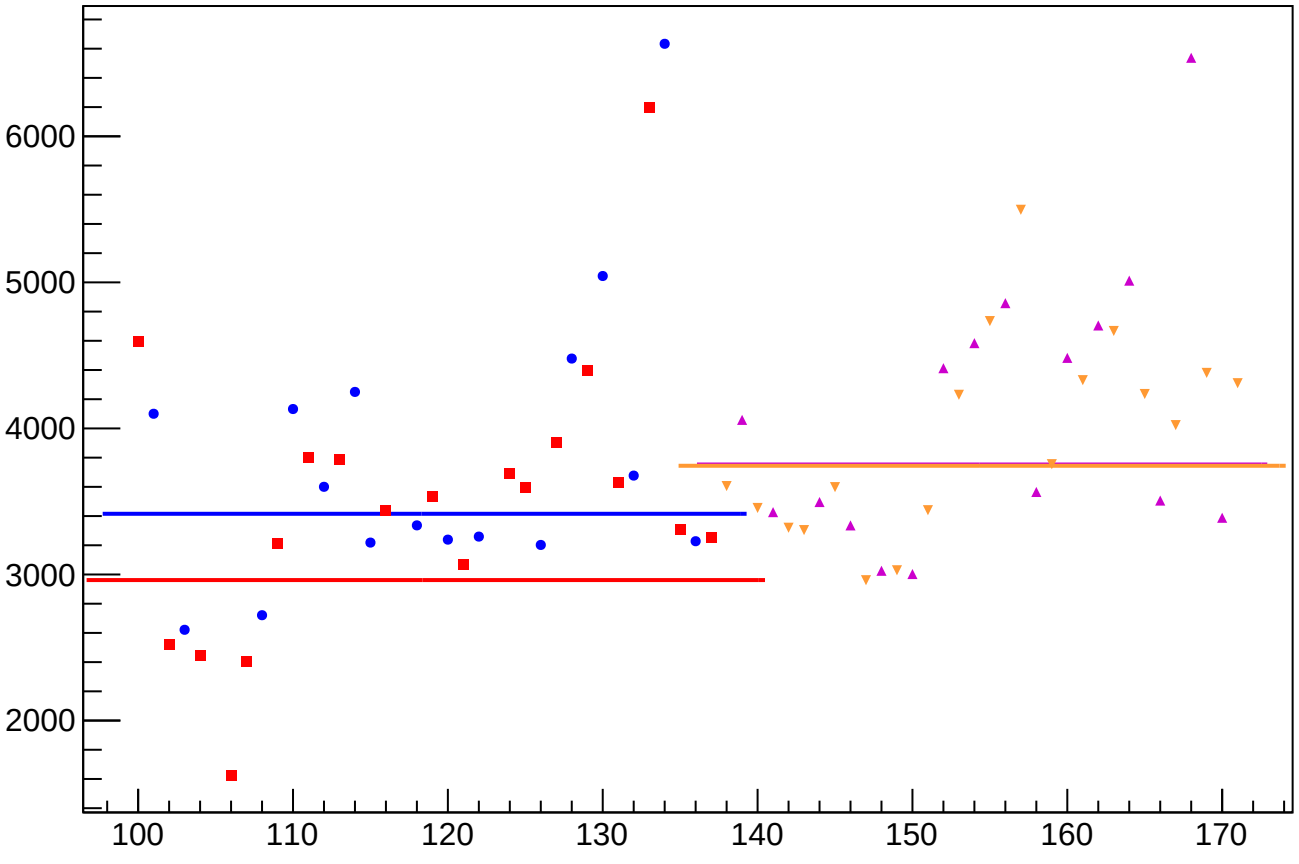
Right Out: 30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: 658.596+/-1055.435 χ^2/NDF:10.2/15

\+ sign -2.761+/-799.244 χ^2/NDF: 36.1/33

All: 188.113+/-555.103 χ^2/NDF: 62.8/68

\- sign 365.991+/-771.555 χ^2/NDF: 26.5/34



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3744.354+/-0.716 χ^2/NDF:718675.0/17

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

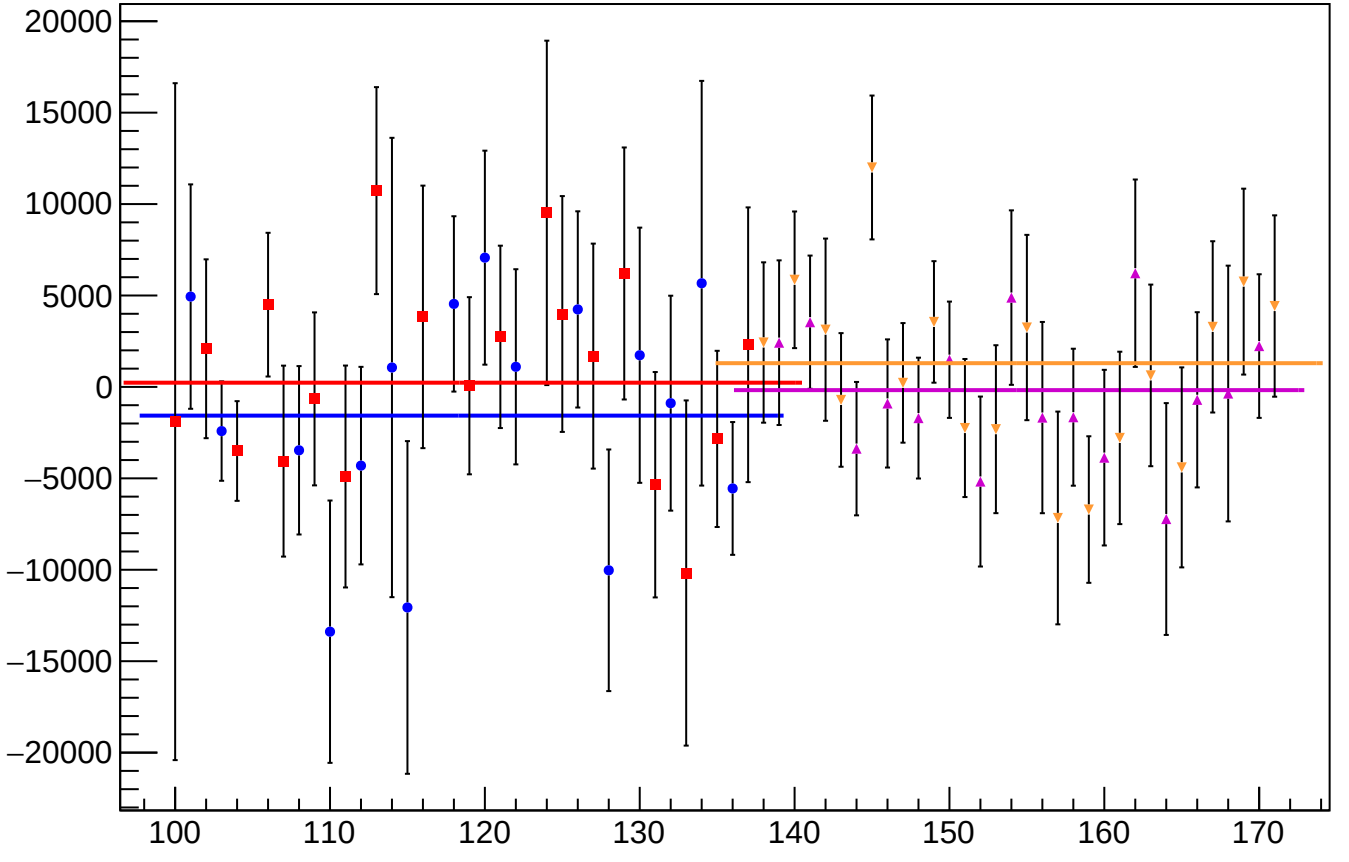
Left In: 3753.042+/-0.746 χ^2/NDF:978038.3/15

+ sign 3620.551+/-0.565 χ^2/NDF: 1390460.1/33

All: 3498.439+/-0.393 χ^2/NDF: 4151309.4/68

- sign 3384.641+/-0.546 χ^2/NDF: 2670655.7/34

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1298.378+/-1010.315 χ^2/NDF:20.9/17

Right Out: 231.125+/-1224.318 χ^2/NDF: 13.2/18

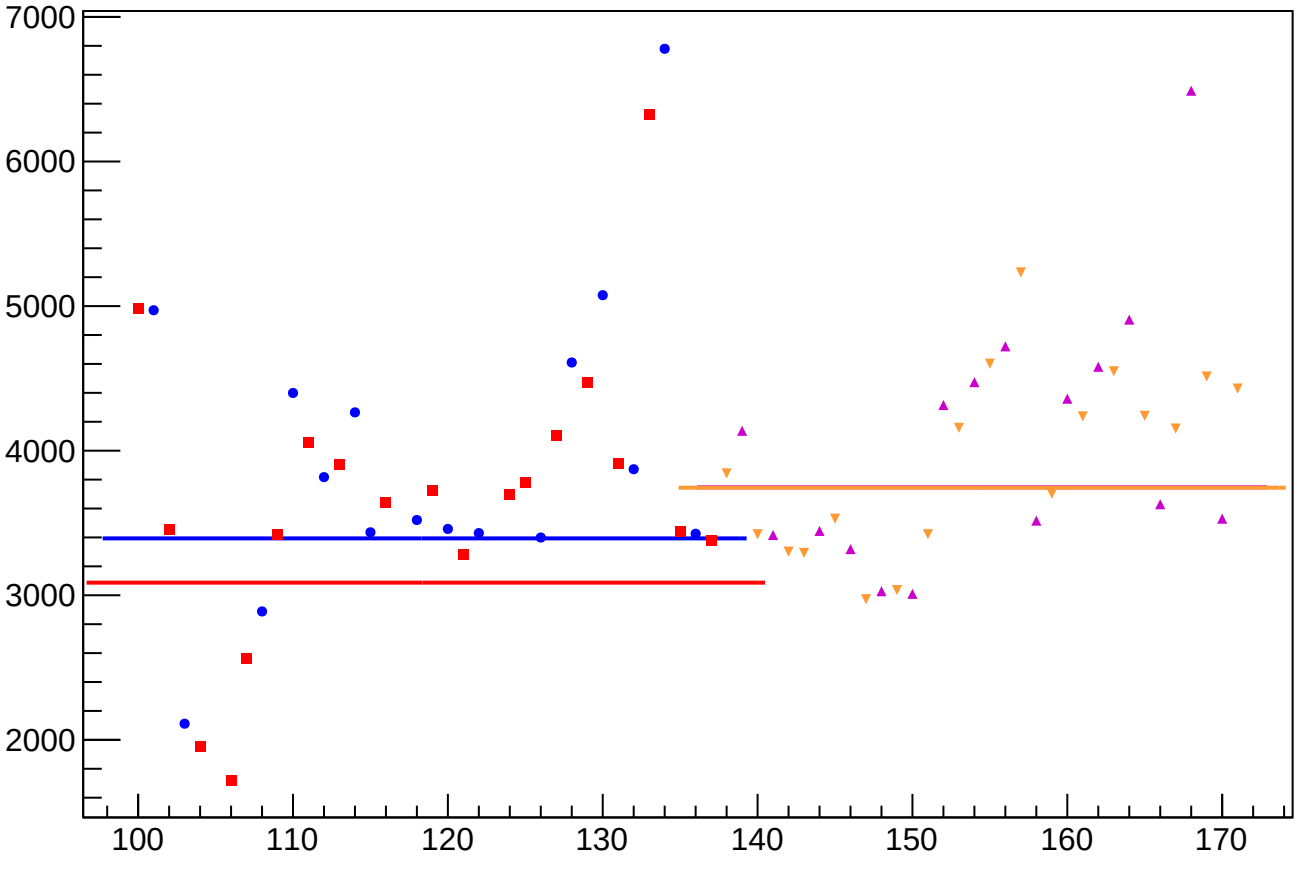
Left In: -175.482+/-1051.238 χ^2/NDF:9.0/15

\+ sign 231.655+/-800.693 χ^2/NDF: 38.4/33

All: 113.906+/-565.069 χ^2/NDF: 60.7/68

\- sign -2.927+/-797.573 χ^2/NDF: 22.3/34

asym_usr_atr2_dd_rms vs Slug



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3743.961+/-0.714 χ^2/NDF:679581.0/17

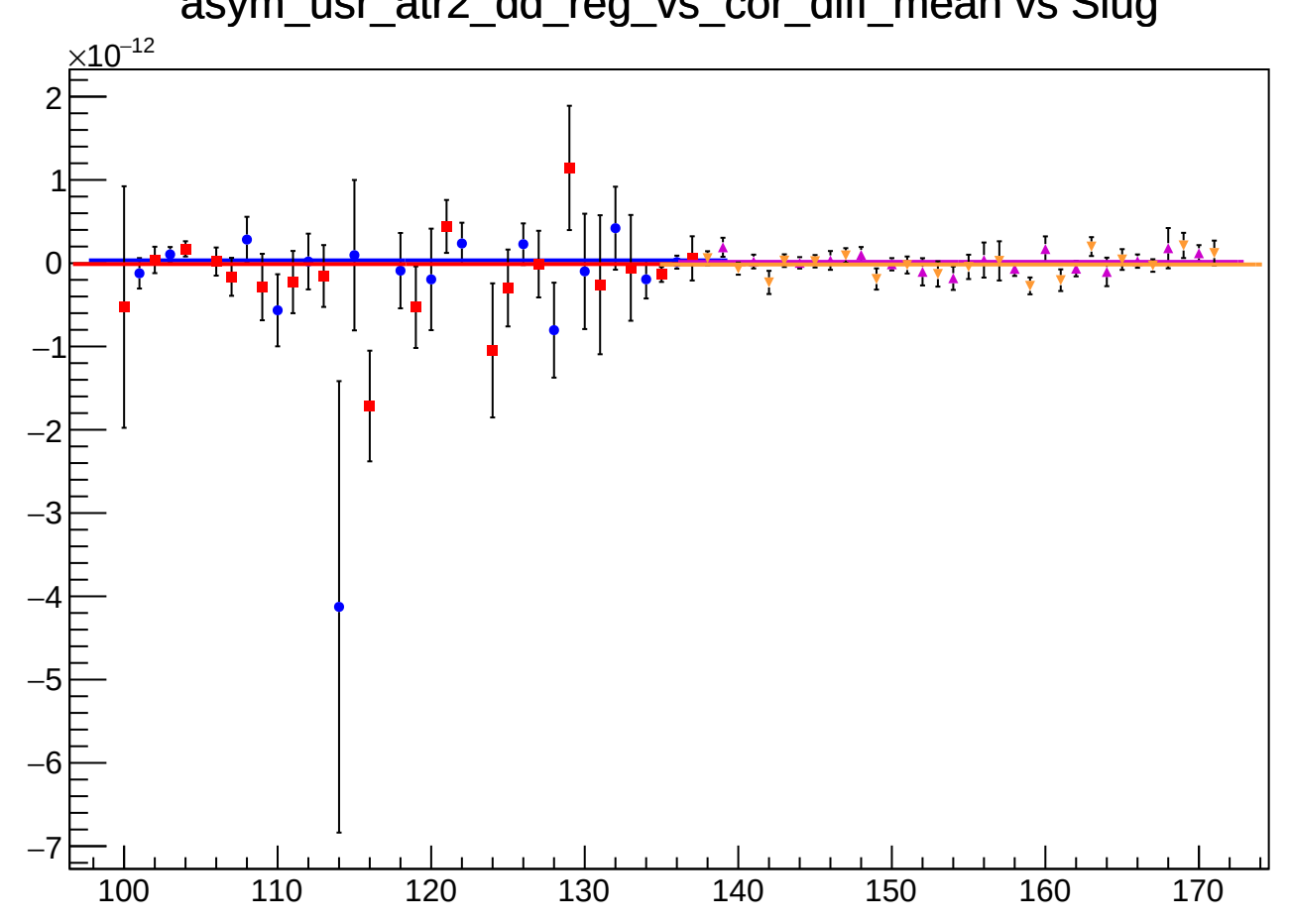
Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3746.702+/-0.743 χ^2/NDF:897801.6/15

+ sign 3613.569+/-0.566 χ^2/NDF: 1817861.1/33

All: 3536.644+/-0.398 χ^2/NDF: 4420983.4/68

- sign 3461.415+/-0.560 χ^2/NDF: 2566609.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/17

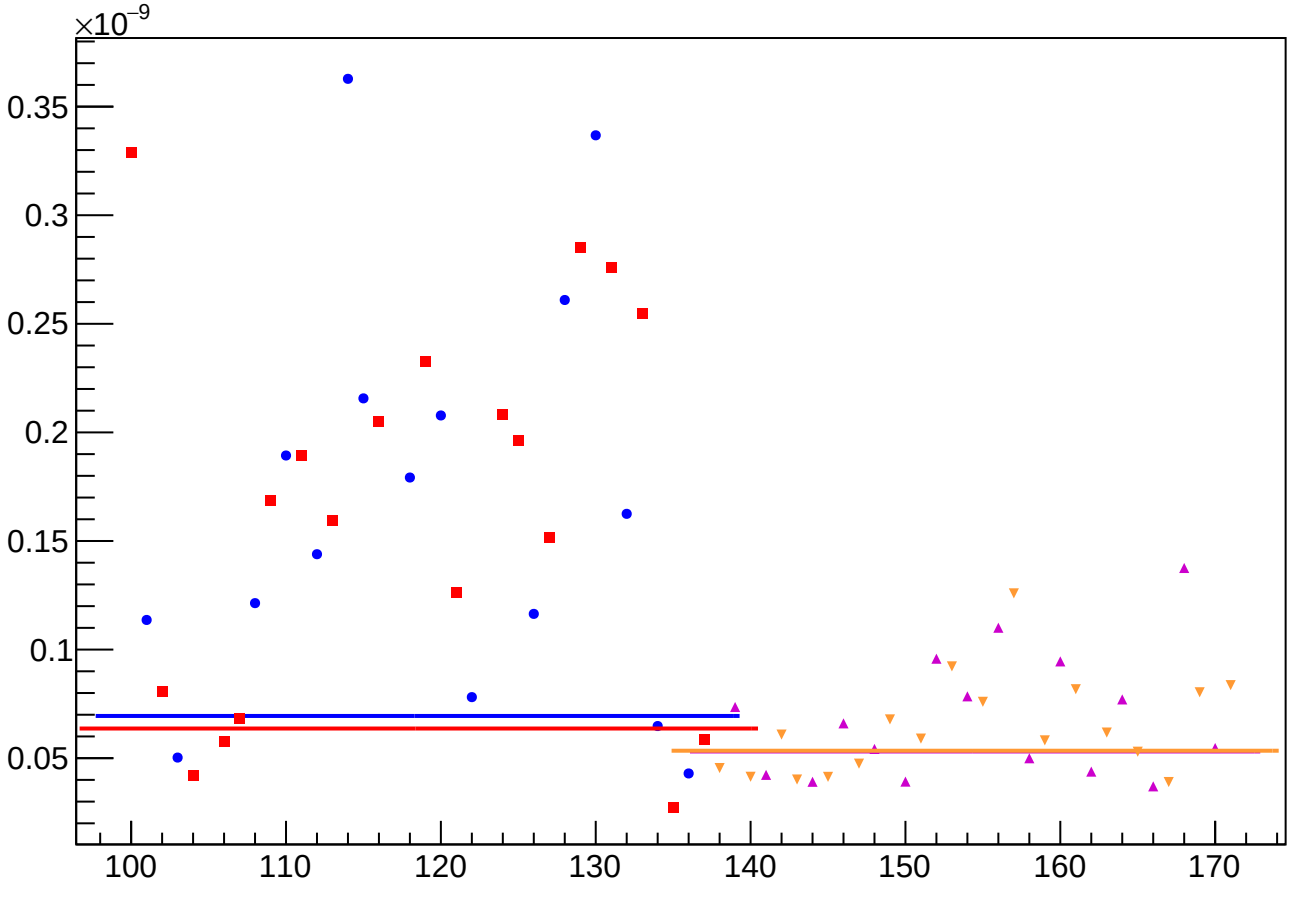
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 36.5/33

All: 0.000+/-0.000 χ^2/NDF: 69.5/68

- sign 0.000+/-0.000 χ^2/NDF: 32.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:927903.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

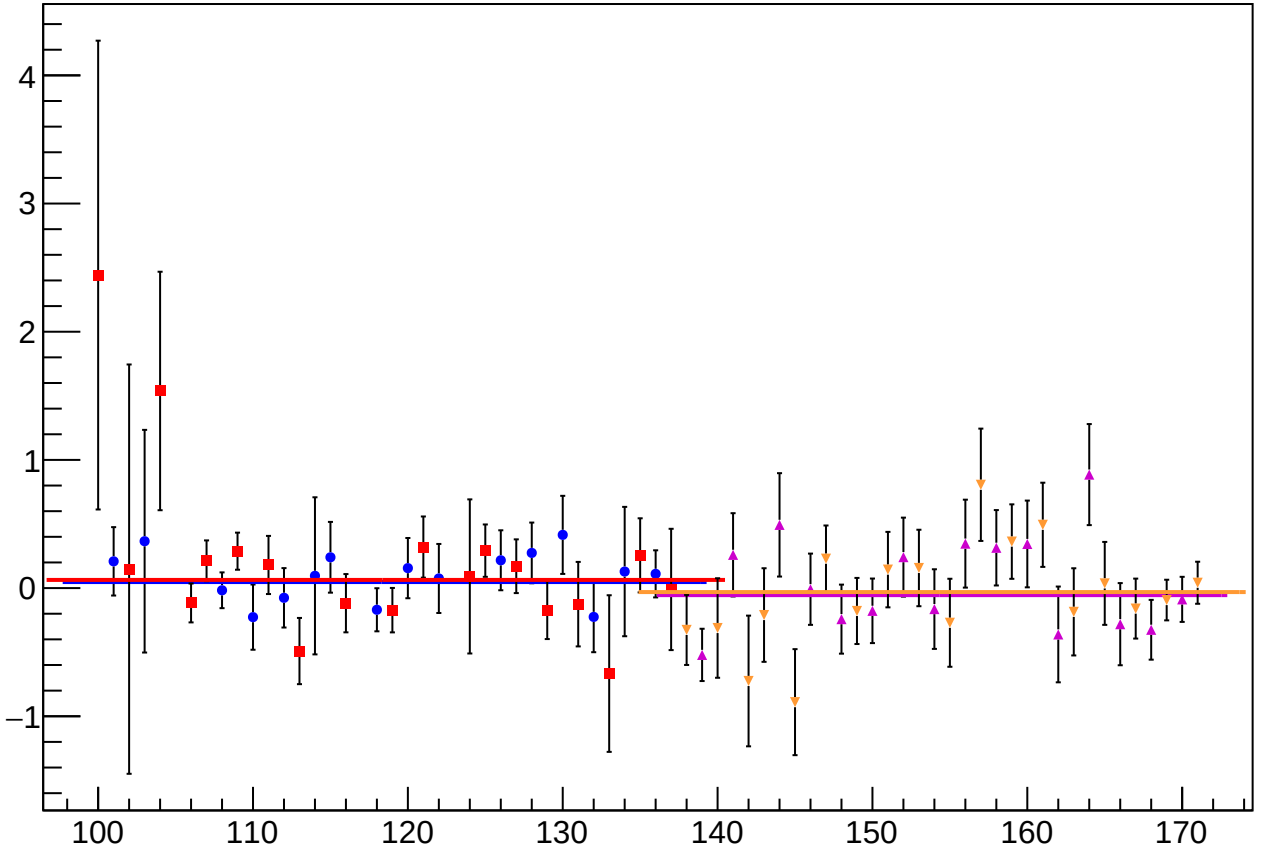
Left In: 0.000+/-0.000 χ^2/NDF:1163291.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 2829078.6/33

All: 0.000+/-0.000 χ^2/NDF: 6317976.7/68

- sign 0.000+/-0.000 χ^2/NDF: 3485543.4/34

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: -0.031+/-0.065 χ^2/NDF:19.6/17

Right Out: 0.064+/-0.055 χ^2/NDF: 22.2/18

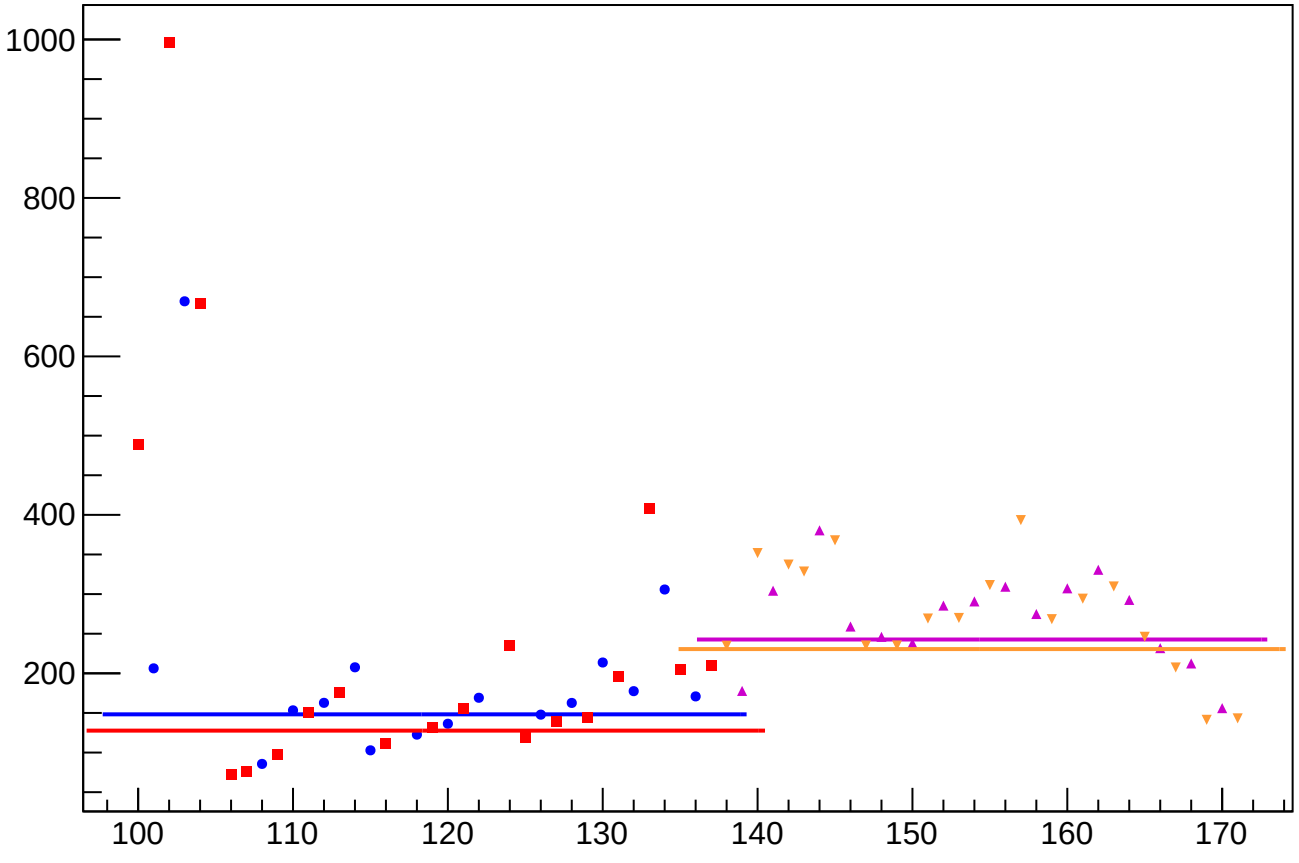
Left In: -0.055+/-0.070 χ^2/NDF:22.4/15

+ sign 0.011+/-0.044 χ^2/NDF: 29.0/33

All: 0.015+/-0.031 χ^2/NDF: 75.4/68

- sign 0.018+/-0.043 χ^2/NDF: 46.4/34

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: 230.606+/-0.046 χ^2/NDF:2548938.9/17

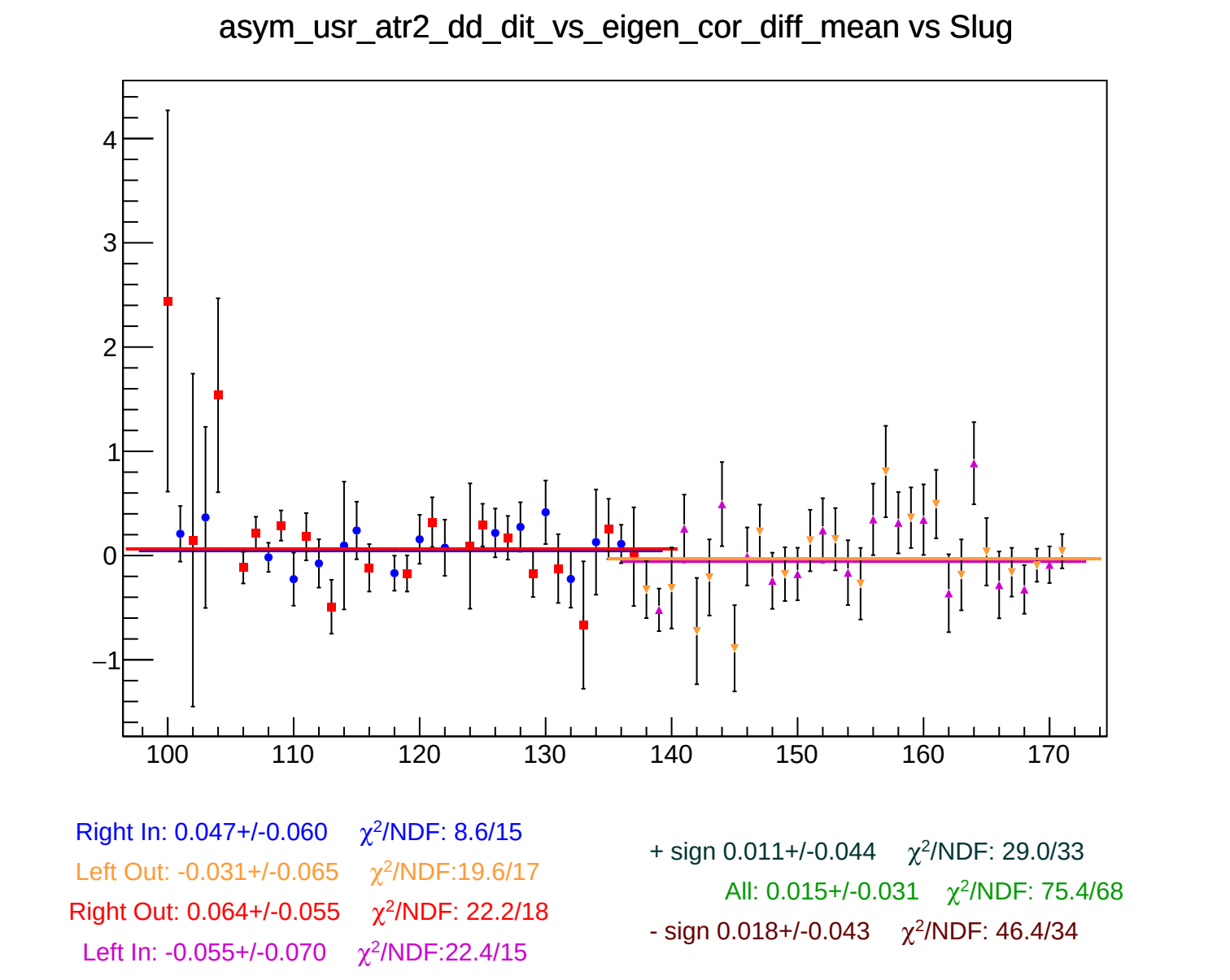
Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 242.683+/-0.049 χ^2/NDF:1438948.6/15

+ sign 186.285+/-0.031 χ^2/NDF: 5998190.4/33

All: 178.716+/-0.022 χ^2/NDF: 13765963.7/68

- sign 171.494+/-0.030 χ^2/NDF: 7652288.2/34


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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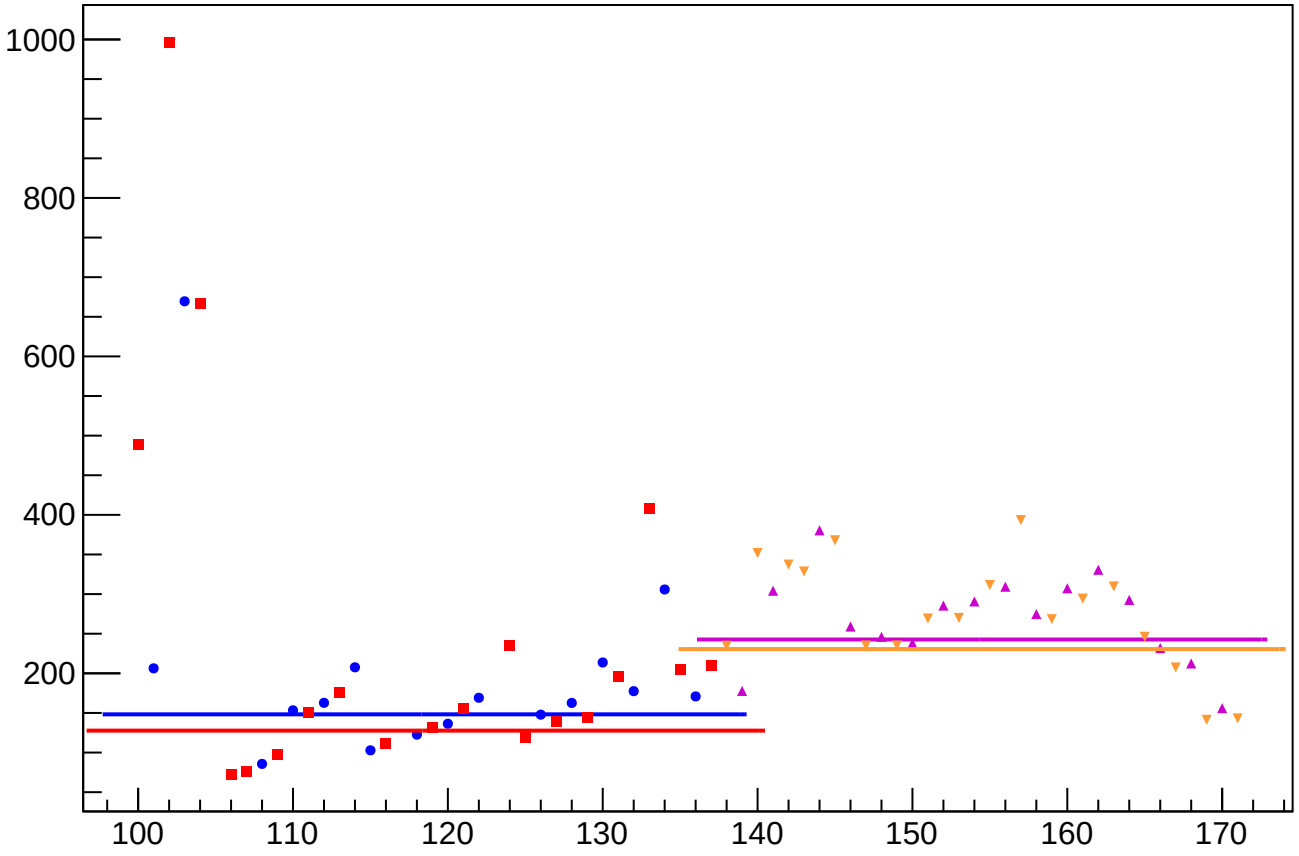
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.031+/-0.065 χ²/NDF:19.6/17
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.055+/-0.070 χ²/NDF:22.4/15
+ sign 0.011+/-0.044 χ²/NDF: 29.0/33
All: 0.015+/-0.031 χ²/NDF: 75.4/68
- sign 0.018+/-0.043 χ²/NDF: 46.4/34

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 230.606+/-0.046 χ^2/NDF:2548938.9/17

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

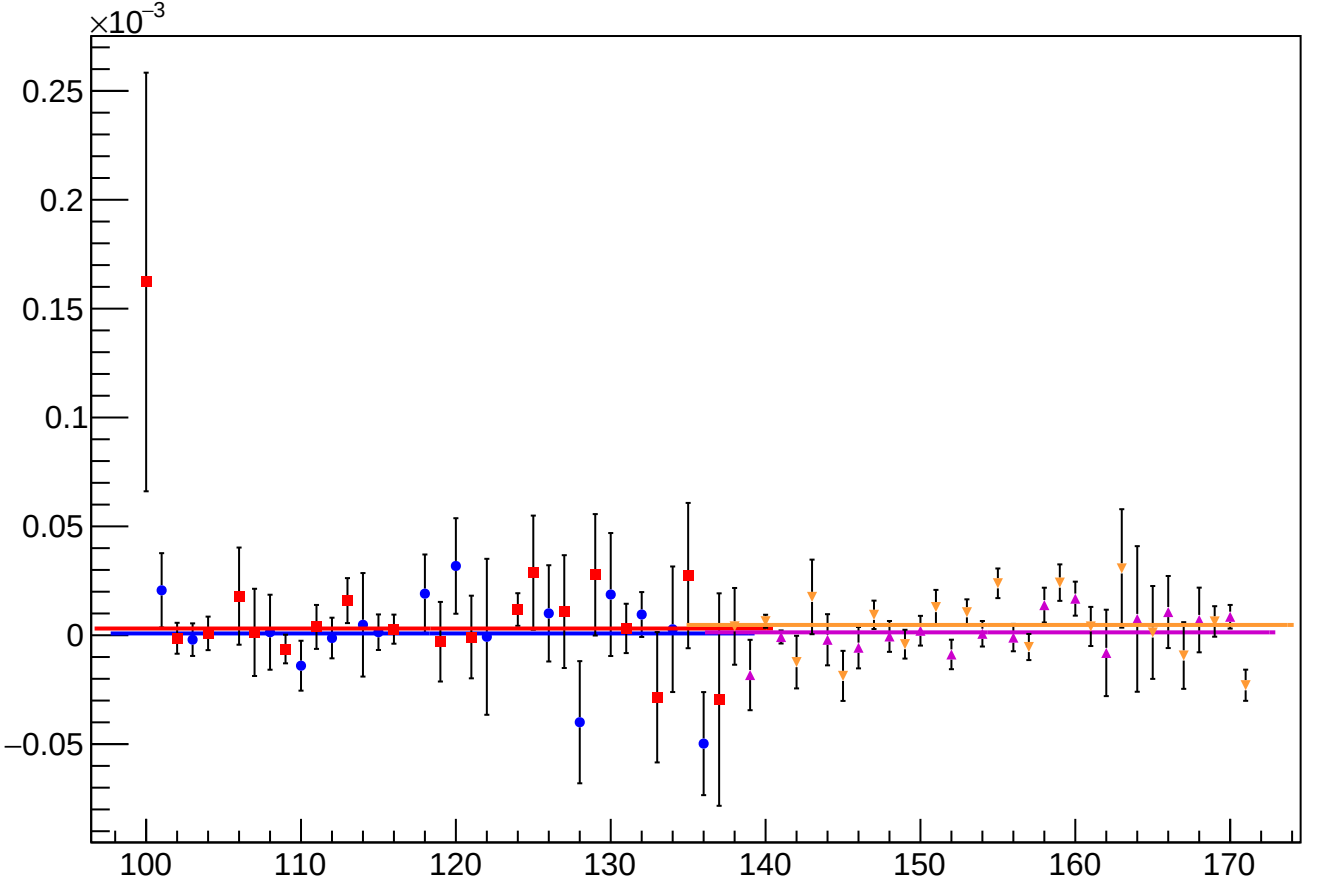
Left In: 242.683+/-0.049 χ^2/NDF:1438948.6/15

+ sign 186.285+/-0.031 χ^2/NDF: 5998190.4/33

All: 178.716+/-0.022 χ^2/NDF: 13765963.7/68

- sign 171.494+/-0.030 χ^2/NDF: 7652288.2/34

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/17

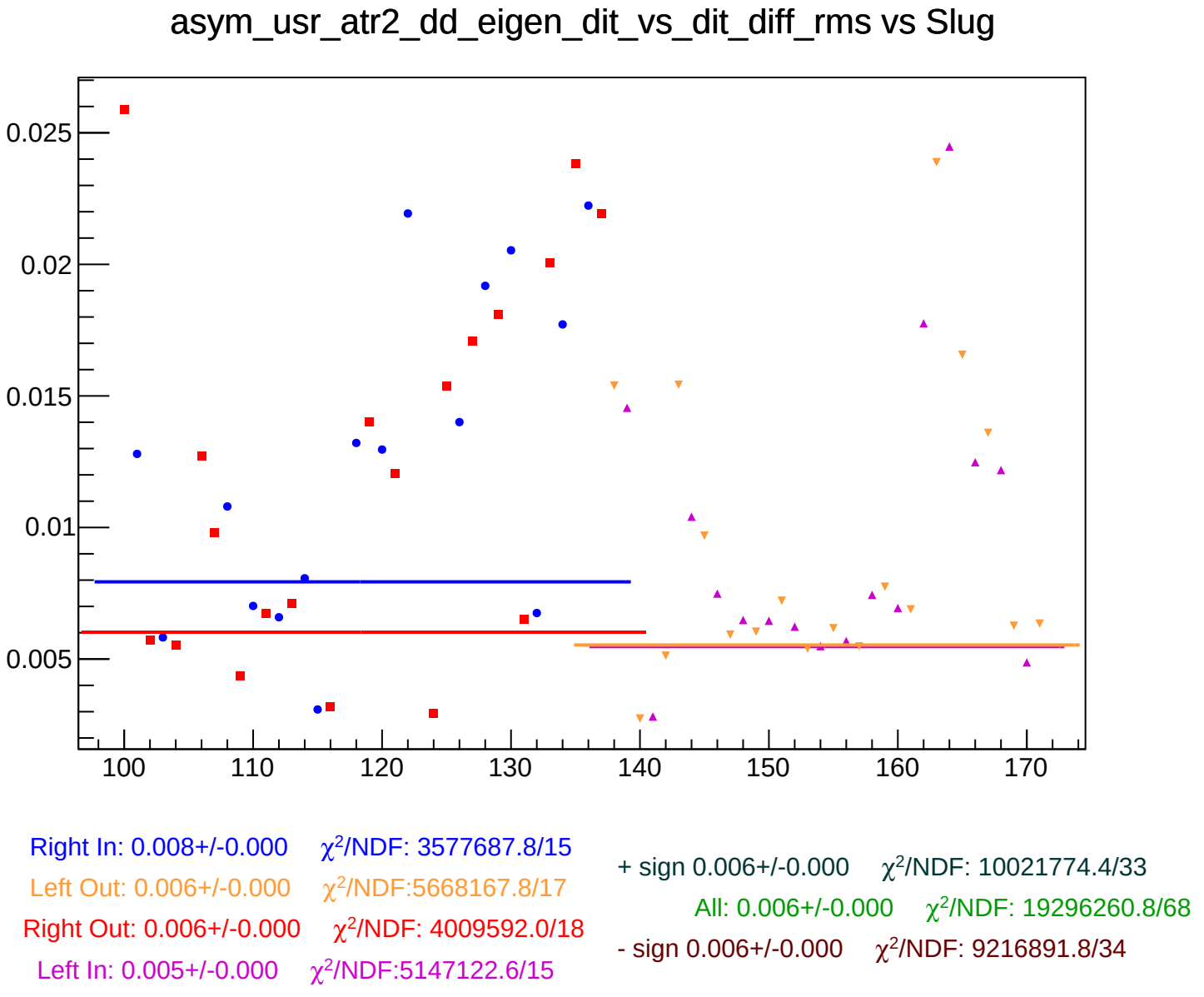
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/33

All: 0.000+/-0.000 χ^2/NDF: 87.5/68

- sign 0.000+/-0.000 χ^2/NDF: 27.0/34


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
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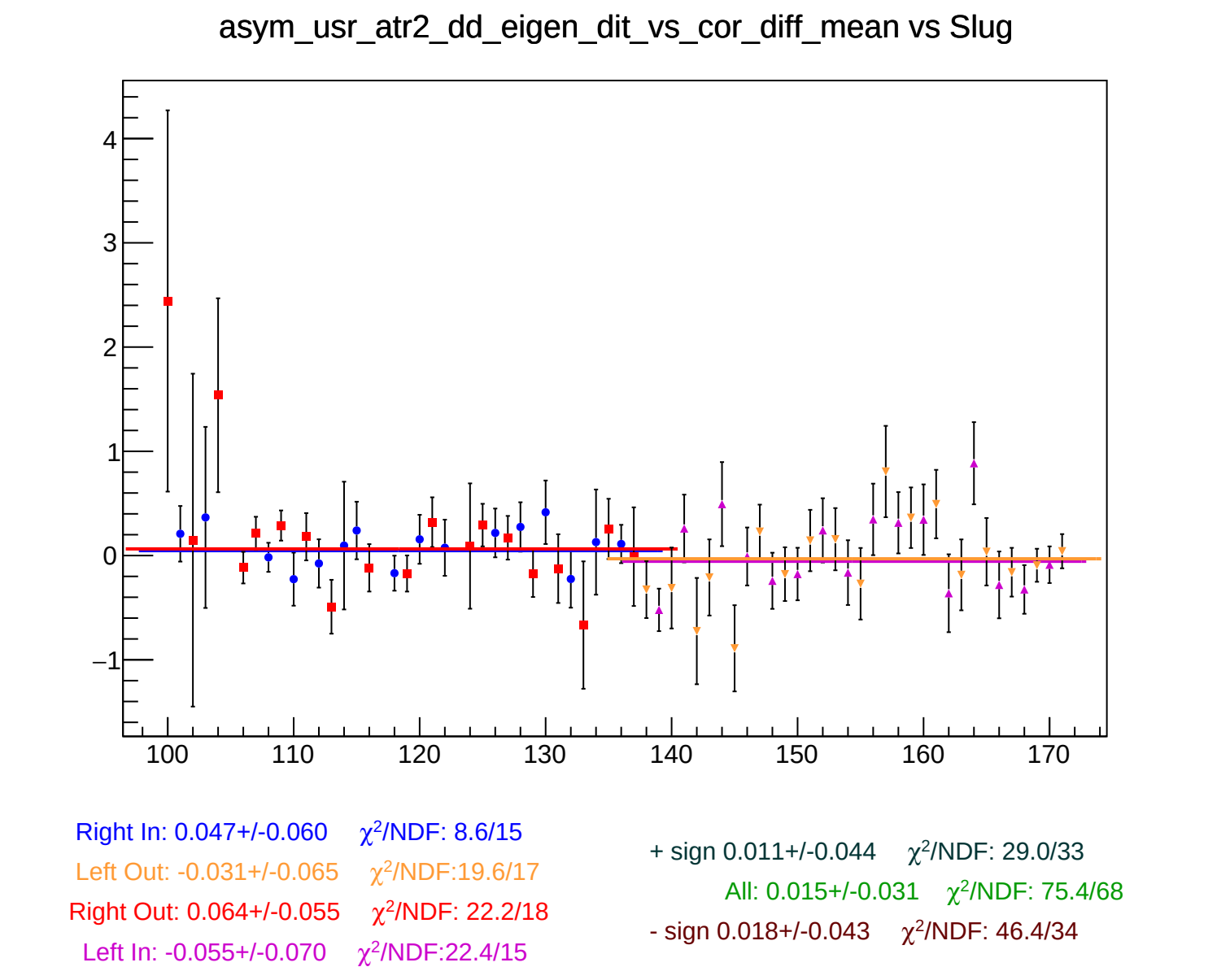
170
Right In: 0.008+/-0.000 χ²/NDF: 3577687.8/15
Left Out: 0.006+/-0.000 χ²/NDF:5668167.8/17
Right Out: 0.006+/-0.000 χ²/NDF: 4009592.0/18
Left In: 0.005+/-0.000 χ²/NDF:5147122.6/15
+ sign 0.006+/-0.000 χ²/NDF: 10021774.4/33
All: 0.006+/-0.000 χ²/NDF: 19296260.8/68
- sign 0.006+/-0.000 χ²/NDF: 9216891.8/34


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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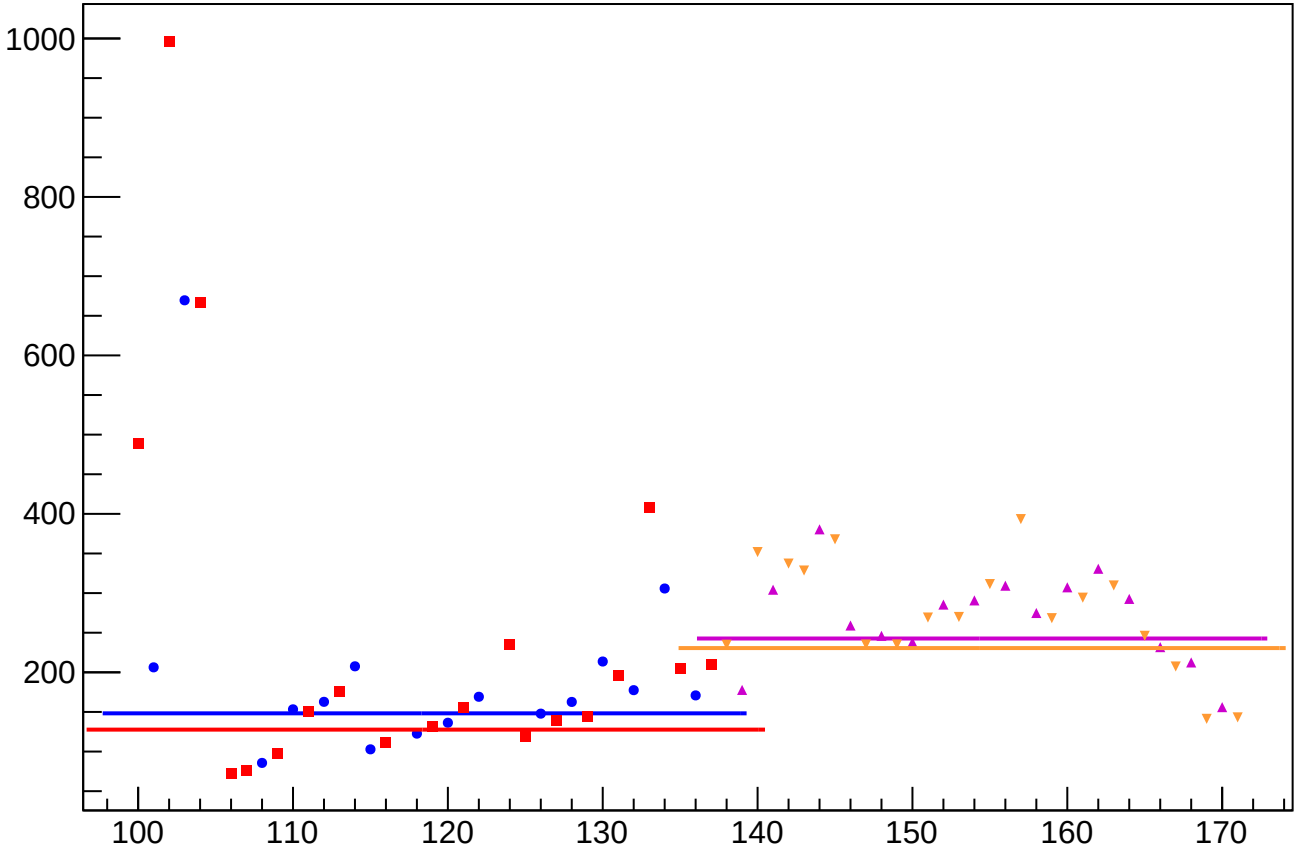
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.031+/-0.065 χ²/NDF:19.6/17
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.055+/-0.070 χ²/NDF:22.4/15
+ sign 0.011+/-0.044 χ²/NDF: 29.0/33
All: 0.015+/-0.031 χ²/NDF: 75.4/68
- sign 0.018+/-0.043 χ²/NDF: 46.4/34

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: 230.607+/-0.046 χ^2/NDF:2549073.9/17

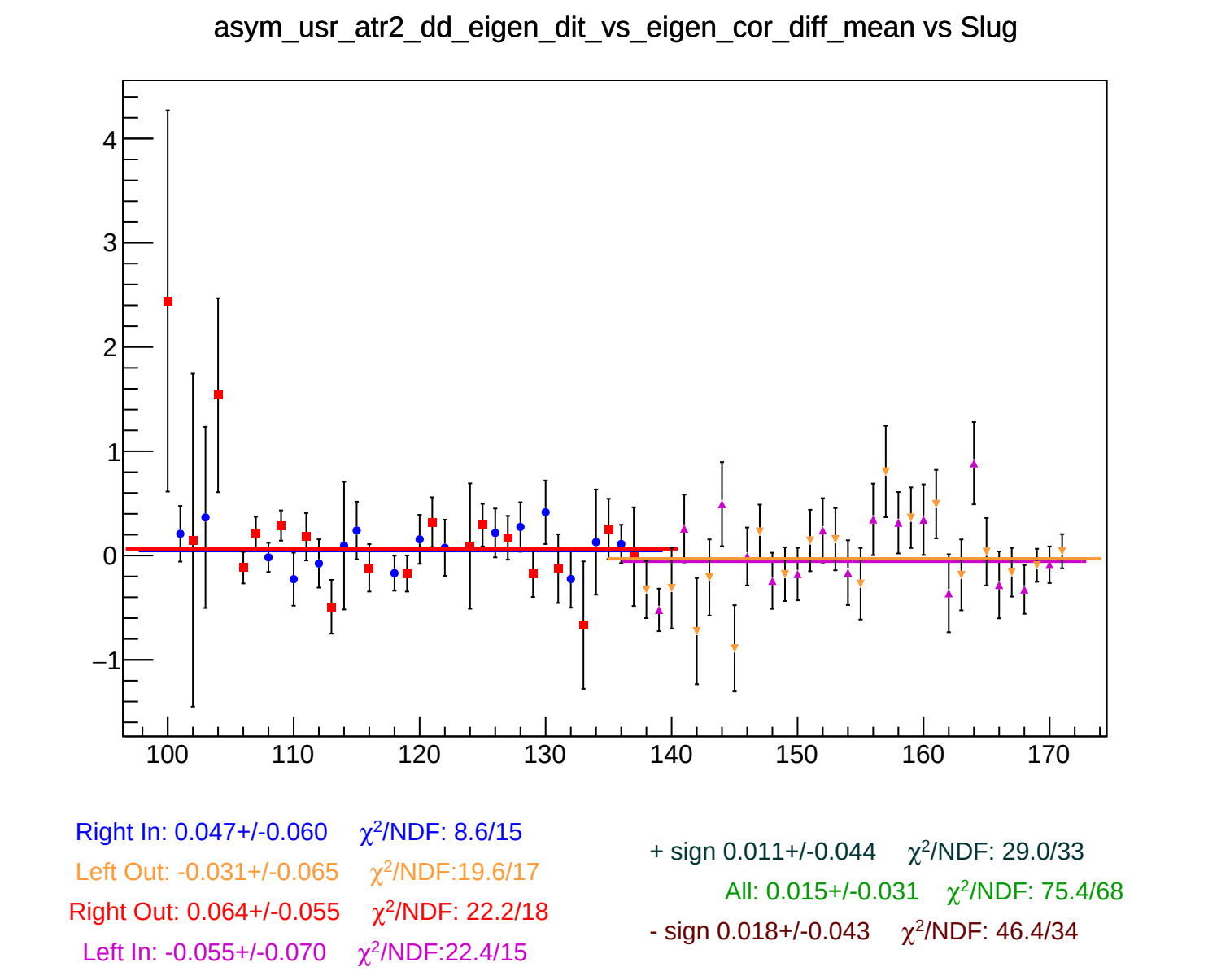
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 242.686+/-0.049 χ^2/NDF:1438961.2/15

+ sign 186.283+/-0.031 χ^2/NDF: 5998550.8/33

All: 178.715+/-0.022 χ^2/NDF: 13766396.7/68

- sign 171.494+/-0.030 χ^2/NDF: 7652394.4/34


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
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130
140
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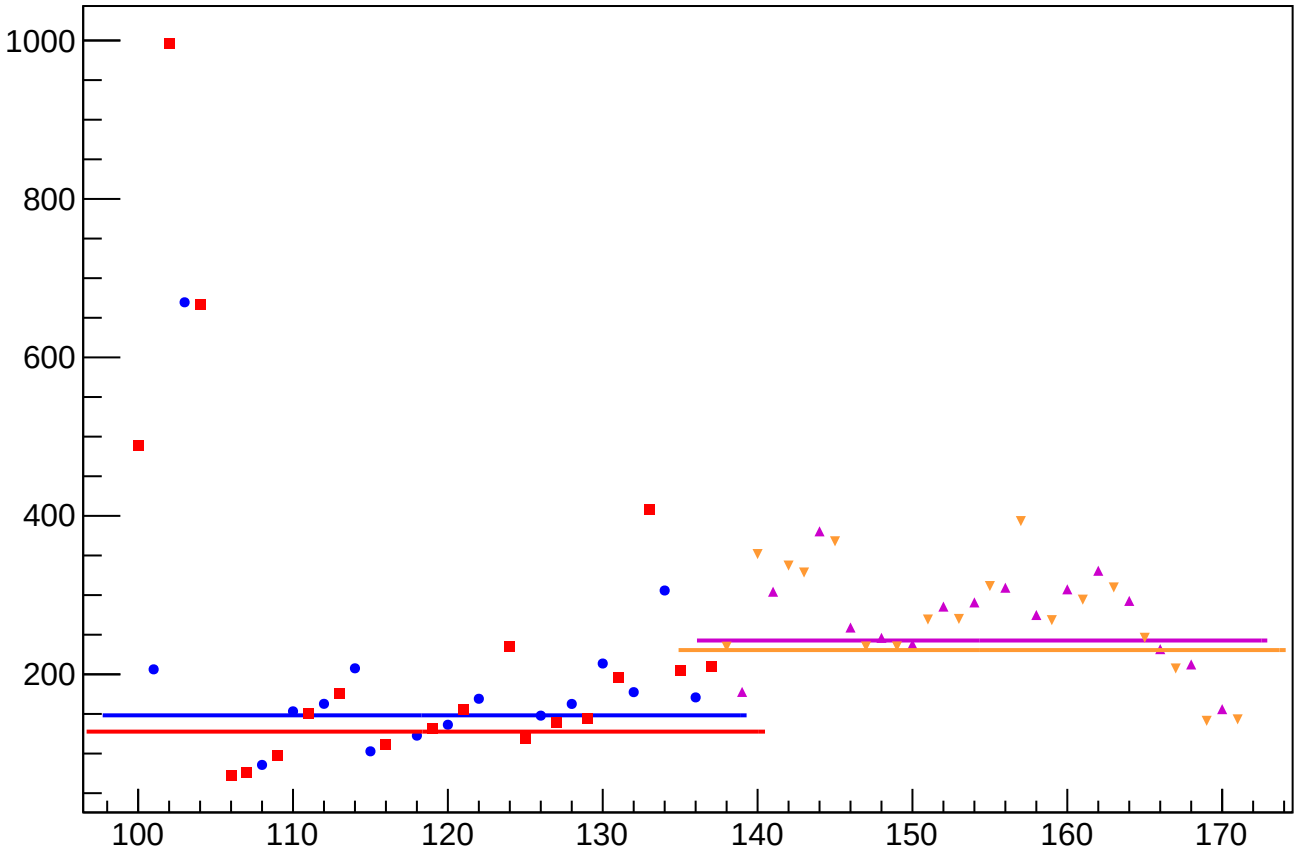
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.031+/-0.065 χ²/NDF:19.6/17
Right Out: 0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.055+/-0.070 χ²/NDF:22.4/15
+ sign 0.011+/-0.044 χ²/NDF: 29.0/33
All: 0.015+/-0.031 χ²/NDF: 75.4/68
- sign 0.018+/-0.043 χ²/NDF: 46.4/34



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 230.607+/-0.046 χ^2/NDF:2549073.9/17

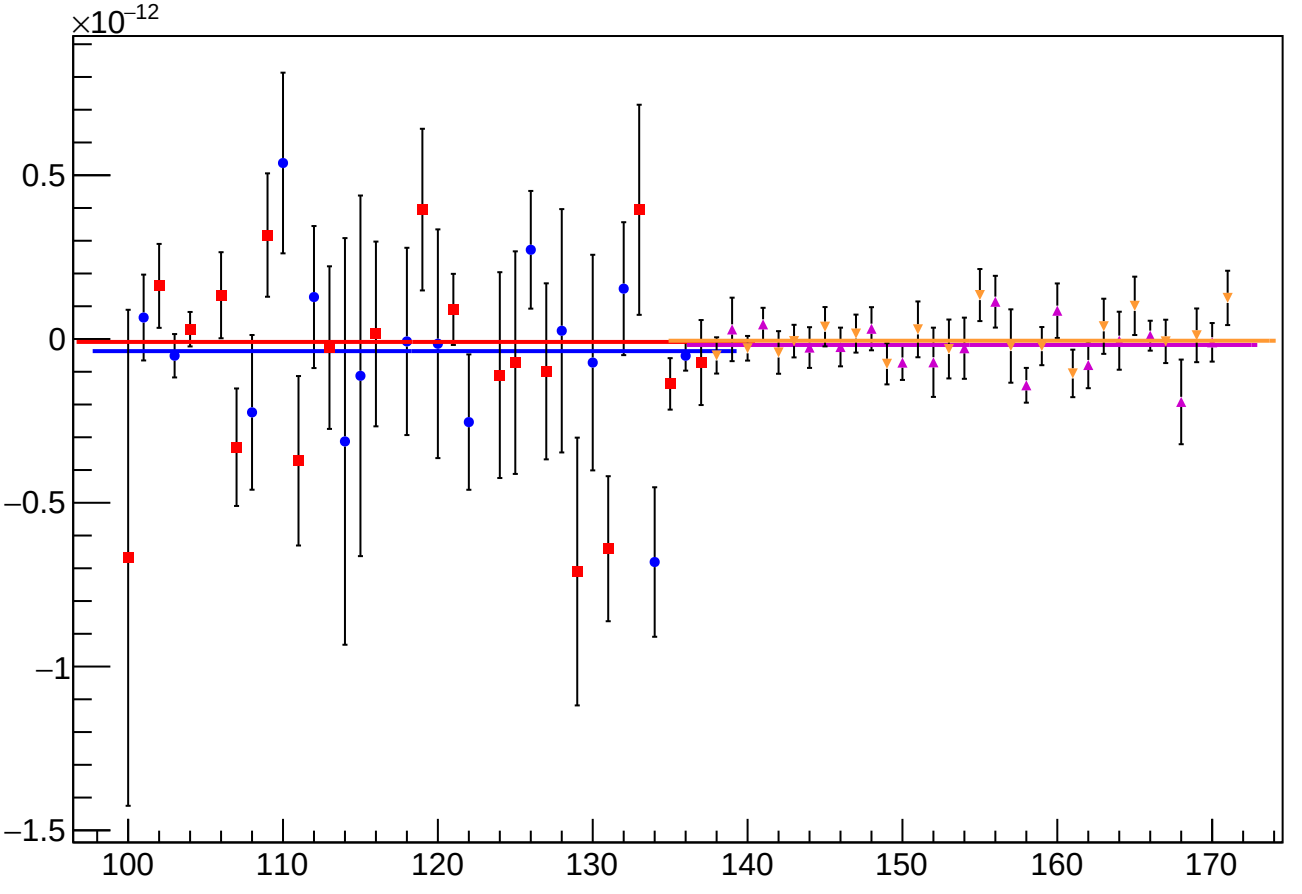
Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 242.686+/-0.049 χ^2/NDF:1438961.2/15

+ sign 186.283+/-0.031 χ^2/NDF: 5998550.8/33

All: 178.715+/-0.022 χ^2/NDF: 13766396.7/68

- sign 171.494+/-0.030 χ^2/NDF: 7652394.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/17

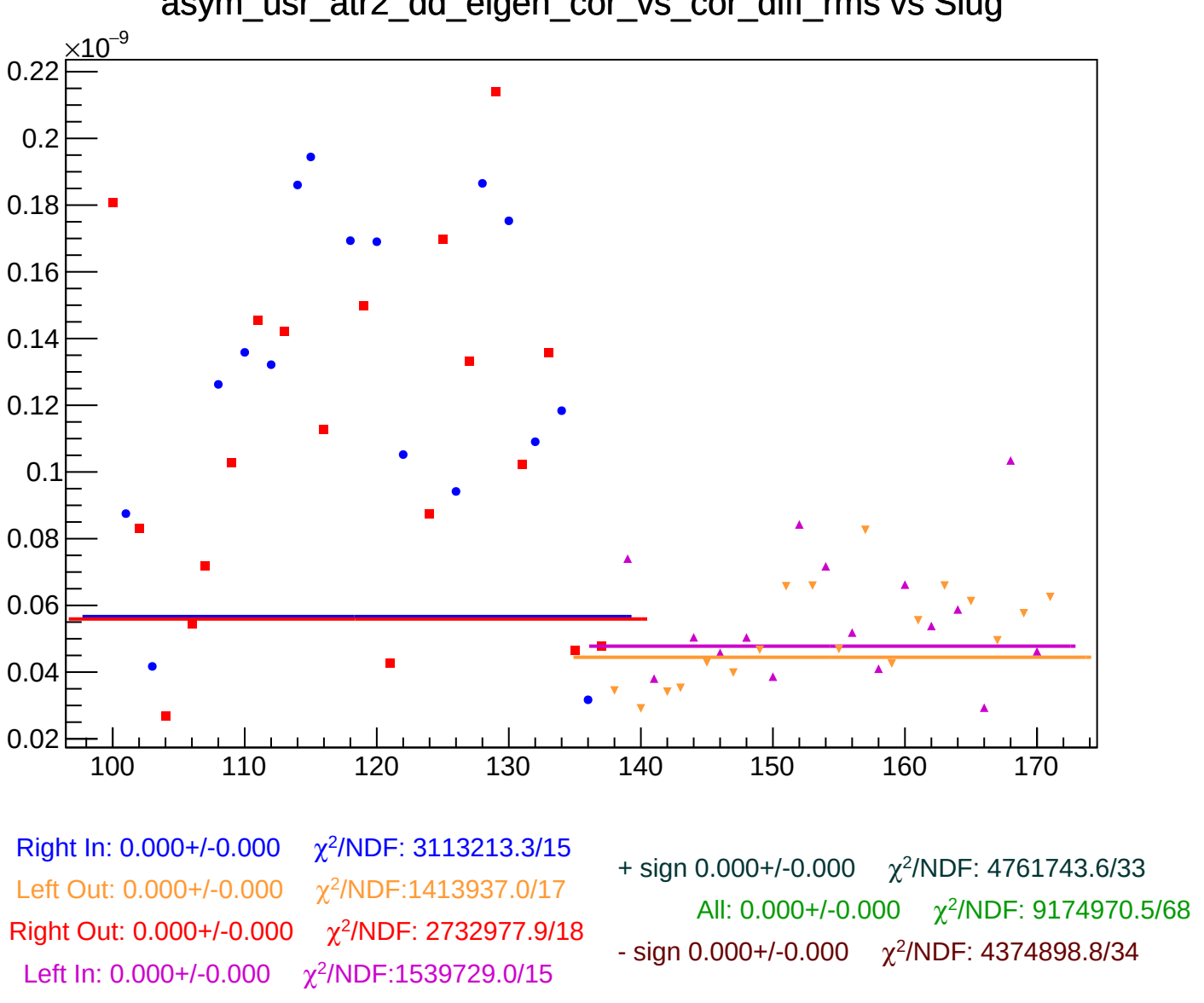
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 33.1/33

All: -0.000+/-0.000 χ^2/NDF: 81.4/68

- sign -0.000+/-0.000 χ^2/NDF: 48.2/34


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
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0.18
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0.14
0.12
0.1
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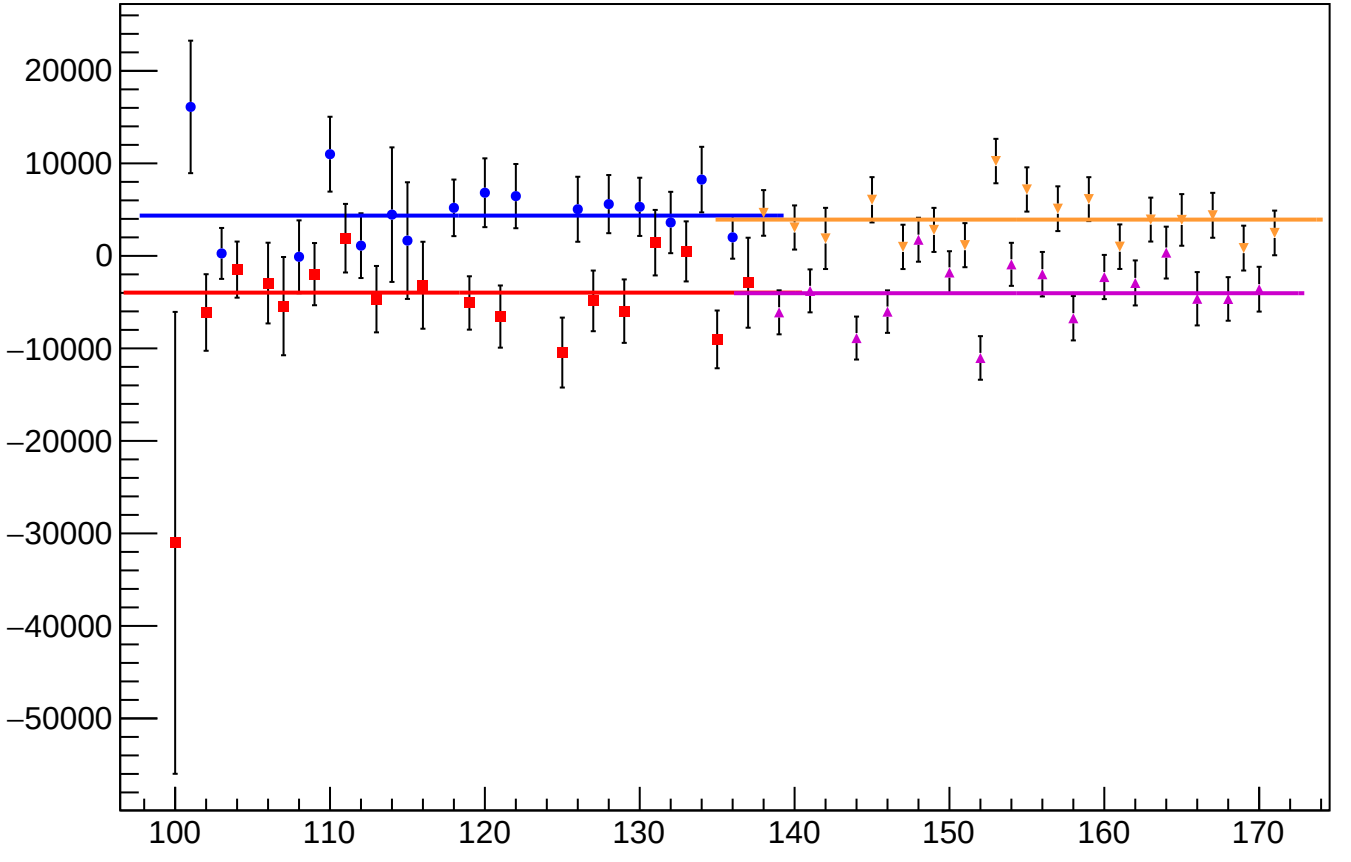
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1413937.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1539729.0/15
+ sign 0.000+/-0.000 χ²/NDF: 4761743.6/33
All: 0.000+/-0.000 χ²/NDF: 9174970.5/68
- sign 0.000+/-0.000 χ²/NDF: 4374898.8/34

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.192+/-596.480 χ^2/NDF:17.8/16

Right Out: -3971.679+/-871.305 χ^2/NDF: 16.2/17

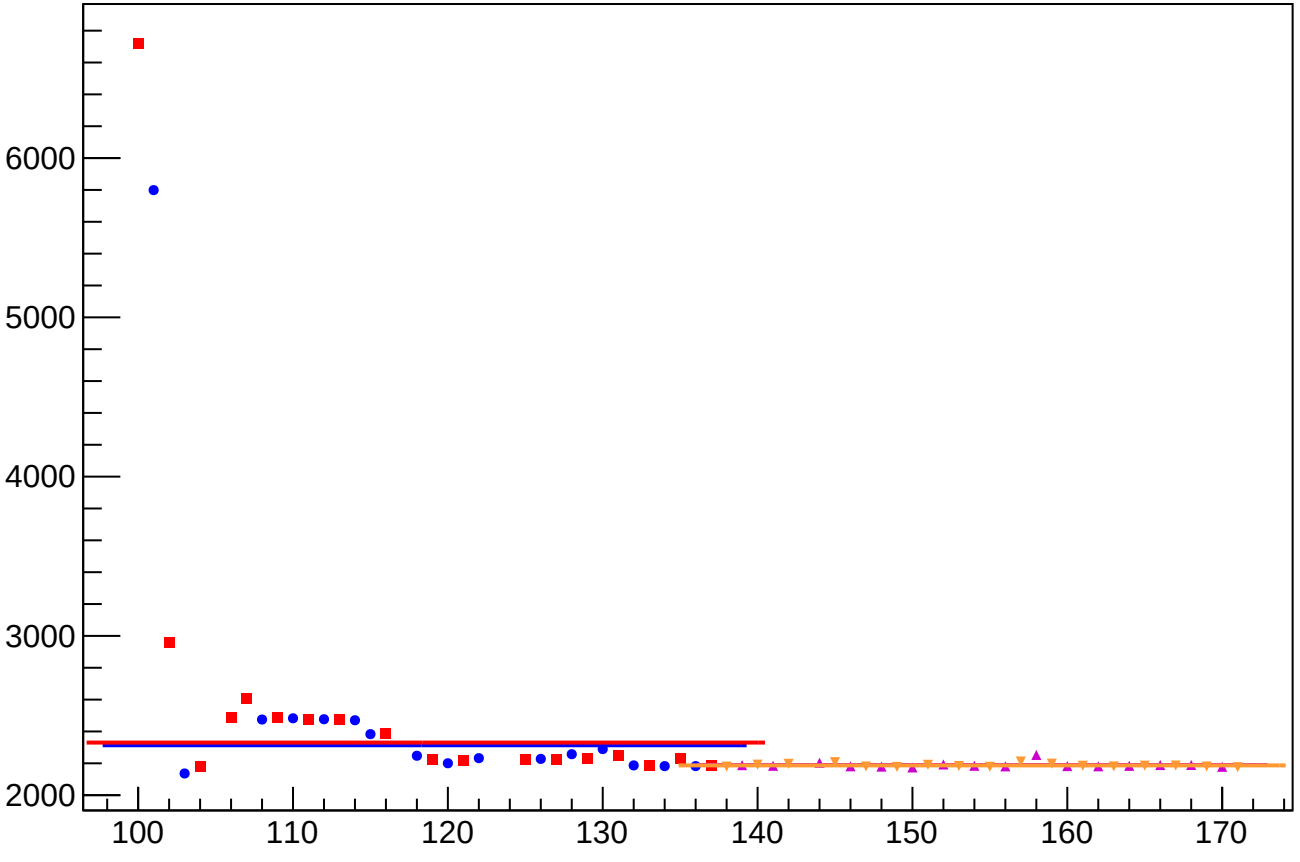
Left In: -4035.349+/-602.124 χ^2/NDF:28.7/15

+ sign 4059.269+/-492.885 χ^2/NDF: 31.4/32

All: 42.396+/-349.391 χ^2/NDF: 209.8/66

- sign -4014.770+/-495.351 χ^2/NDF: 44.9/33

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.956+/-0.422 χ^2/NDF:593.7/16

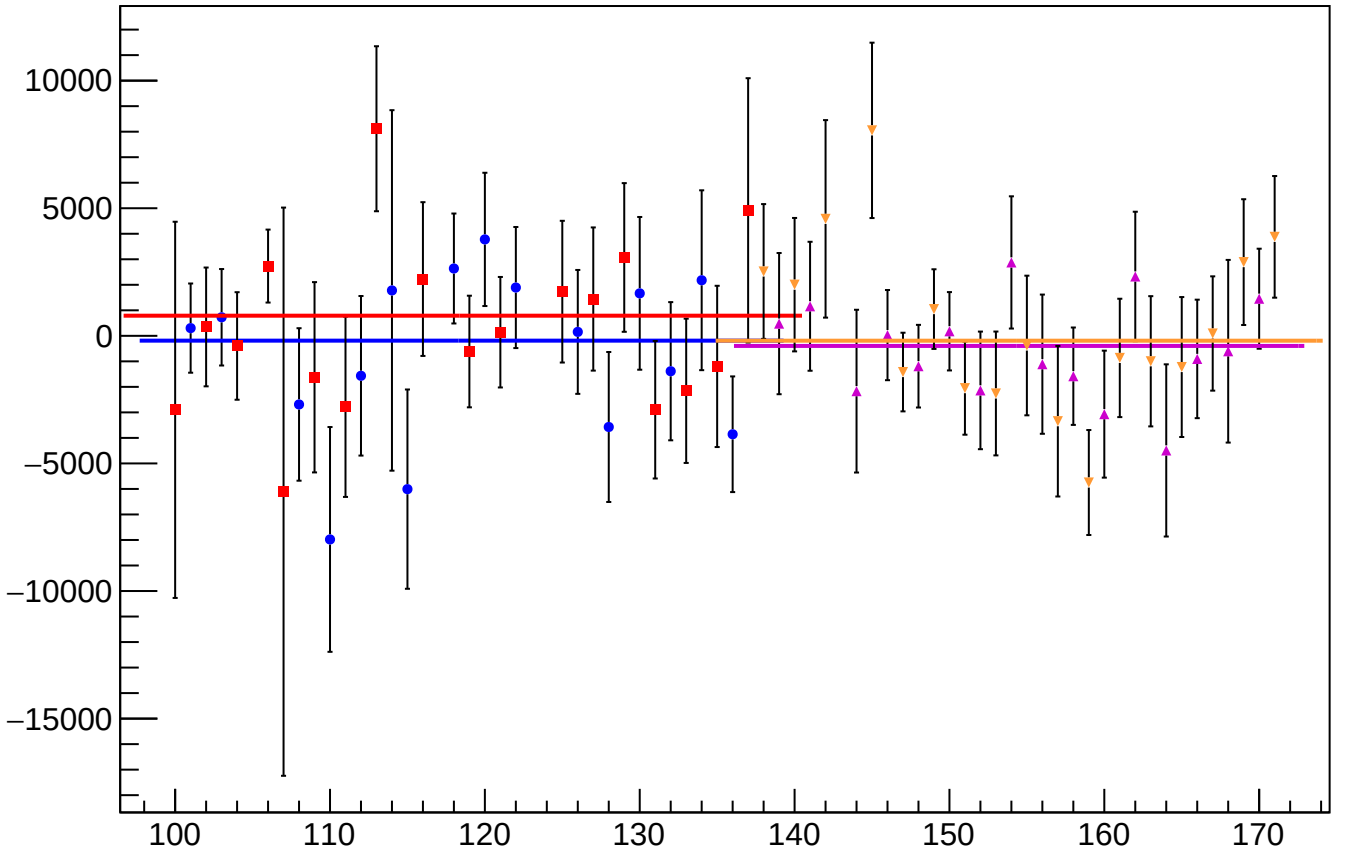
Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

+ sign 2227.067+/-0.349 χ^2/NDF: 541478.9/32

All: 2230.953+/-0.247 χ^2/NDF: 730054.2/66

- sign 2234.878+/-0.350 χ^2/NDF: 188325.4/33



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -190.581+/-555.512 χ^2/NDF:25.3/16

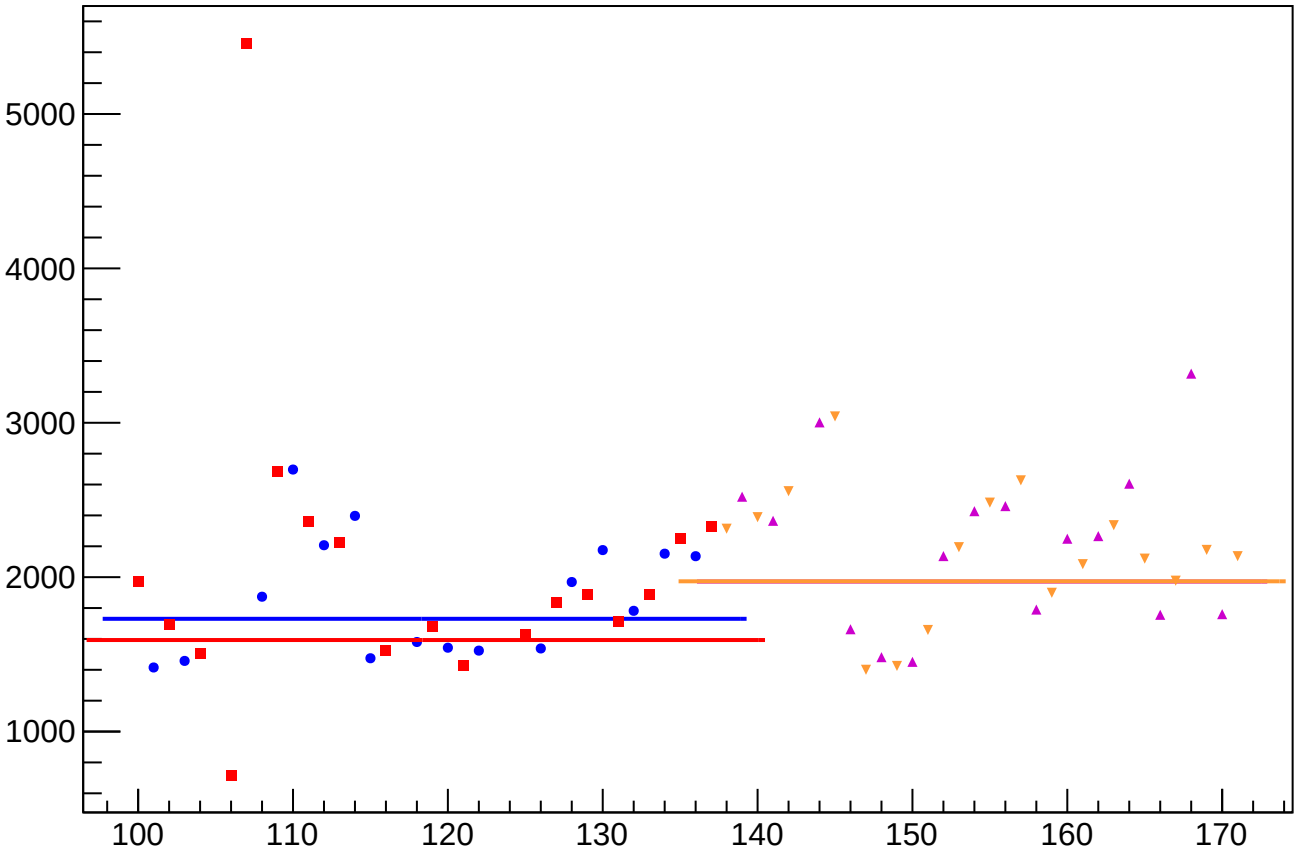
Right Out: 789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -395.639+/-560.189 χ^2/NDF:8.6/15

+ sign -189.782+/-424.559 χ^2/NDF: 41.8/32

All: -31.698+/-298.604 χ^2/NDF: 67.5/66

- sign 123.050+/-420.057 χ^2/NDF: 25.4/33



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1973.176+/-0.393 χ^2/NDF:1166219.4/16

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

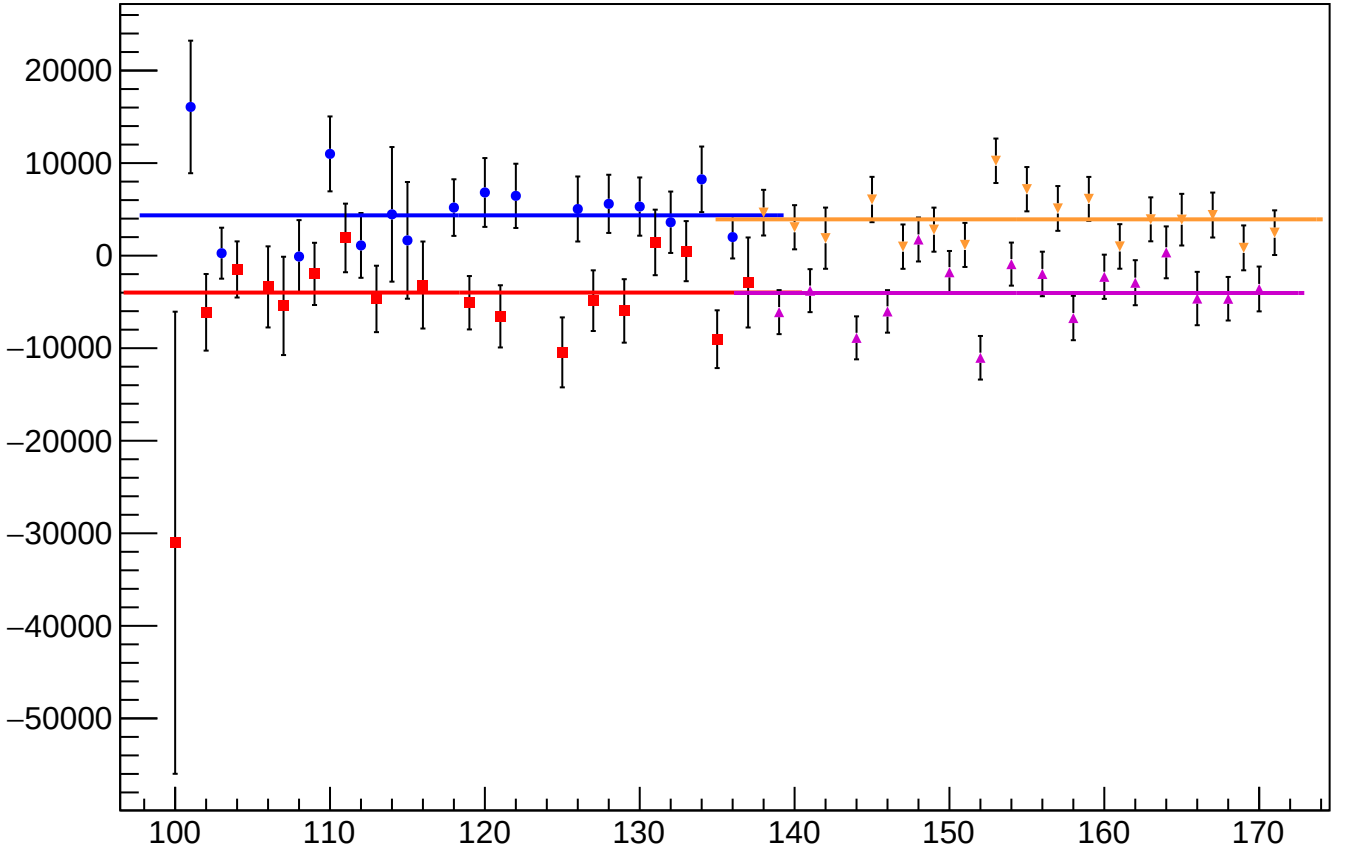
Left In: 1971.551+/-0.396 χ^2/NDF:1410384.2/15

+ sign 1872.160+/-0.300 χ^2/NDF: 1804167.3/32

All: 1838.612+/-0.211 χ^2/NDF: 5195614.3/66

- sign 1805.772+/-0.297 χ^2/NDF: 3366735.0/33

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.121+/-596.480 χ^2/NDF:17.8/16

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

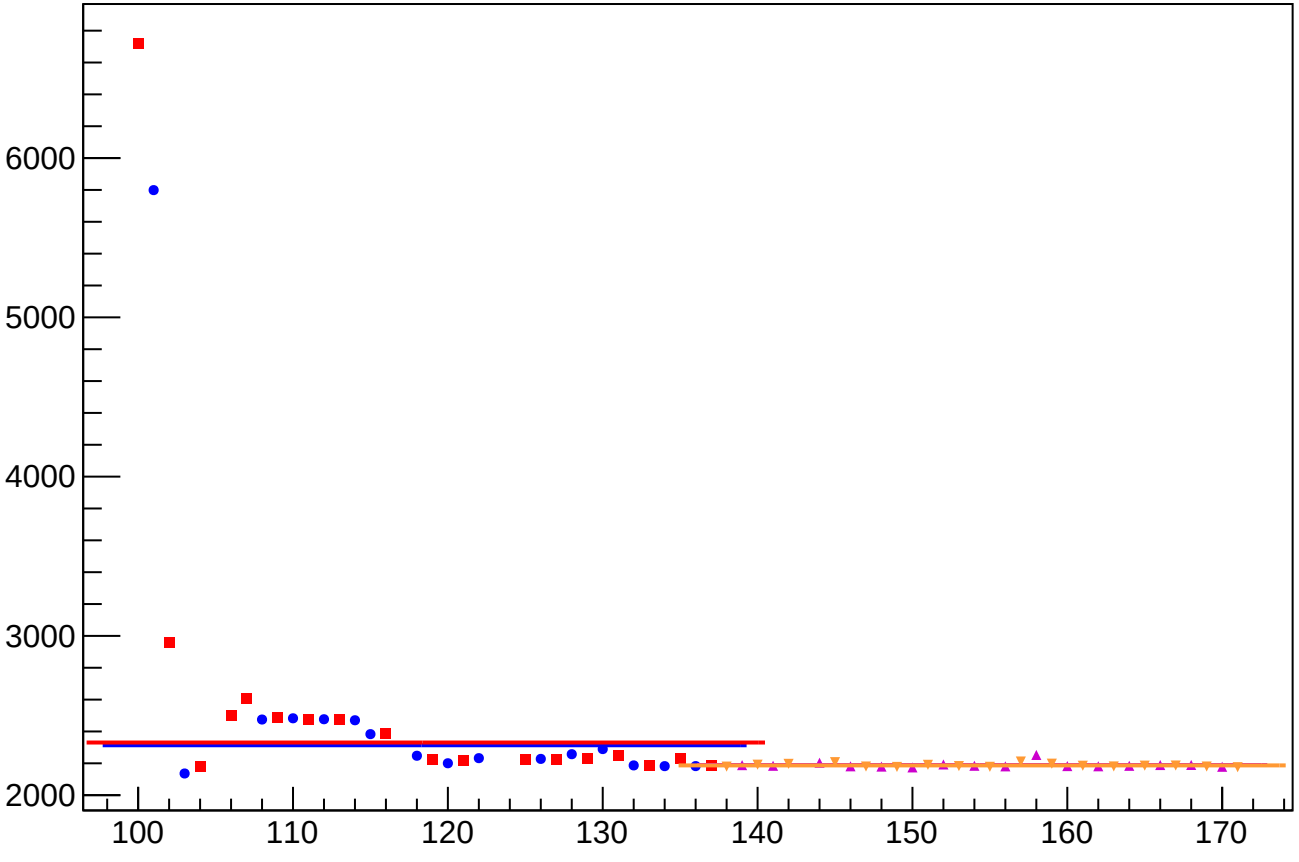
Left In: -4035.441+/-602.124 χ^2/NDF:28.7/15

+ sign 4059.005+/-492.885 χ^2/NDF: 31.3/32

All: 39.528+/-349.401 χ^2/NDF: 209.9/66

- sign -4020.720+/-495.379 χ^2/NDF: 44.9/33

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.956+/-0.422 χ^2/NDF:593.7/16

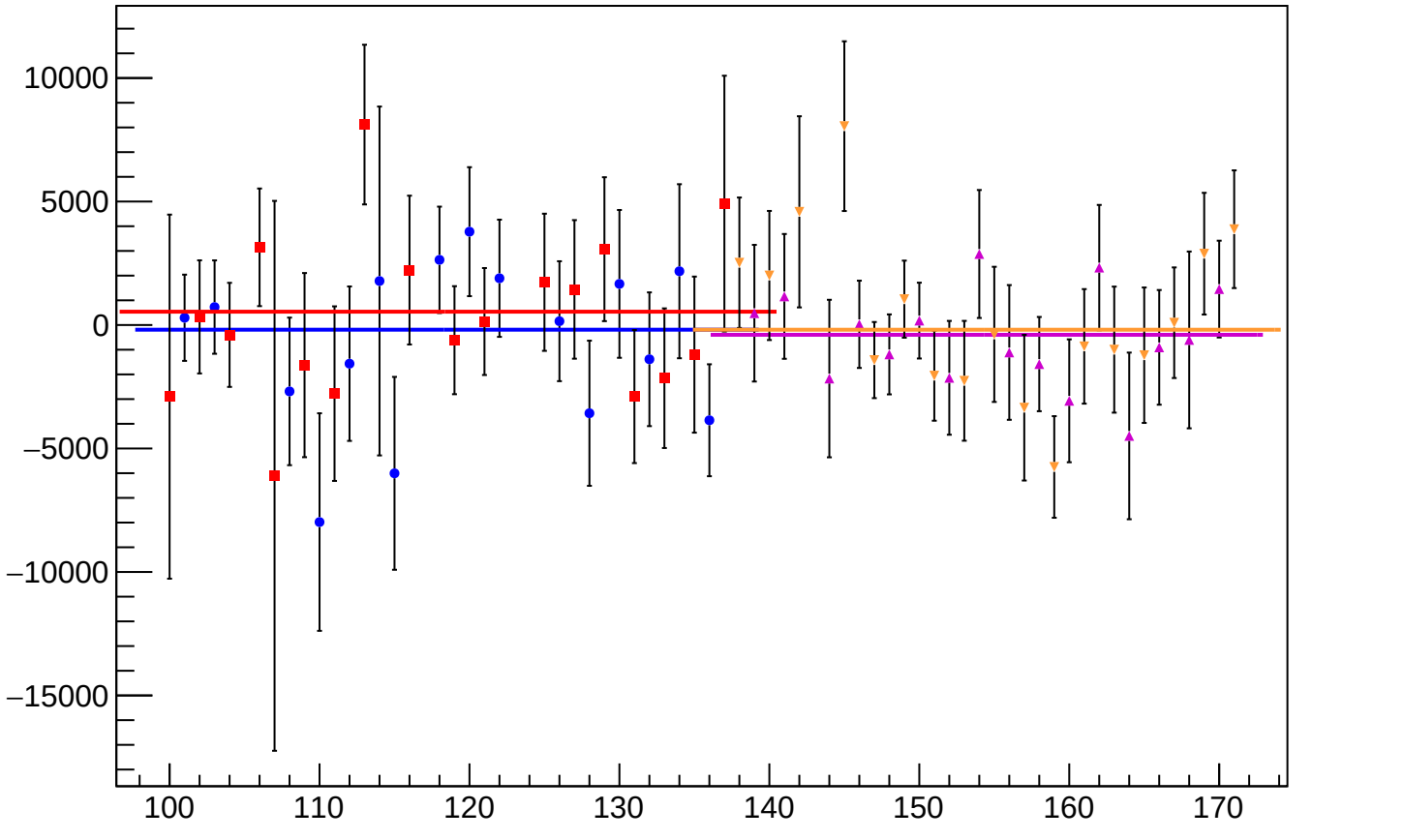
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

+ sign 2227.067+/-0.349 χ^2/NDF: 541479.3/32

All: 2231.007+/-0.247 χ^2/NDF: 730585.1/66

- sign 2234.987+/-0.350 χ^2/NDF: 188848.9/33



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -190.685+/-555.510 χ^2/NDF:25.3/16

Right Out: 539.517+/-678.214 χ^2/NDF: 13.9/17

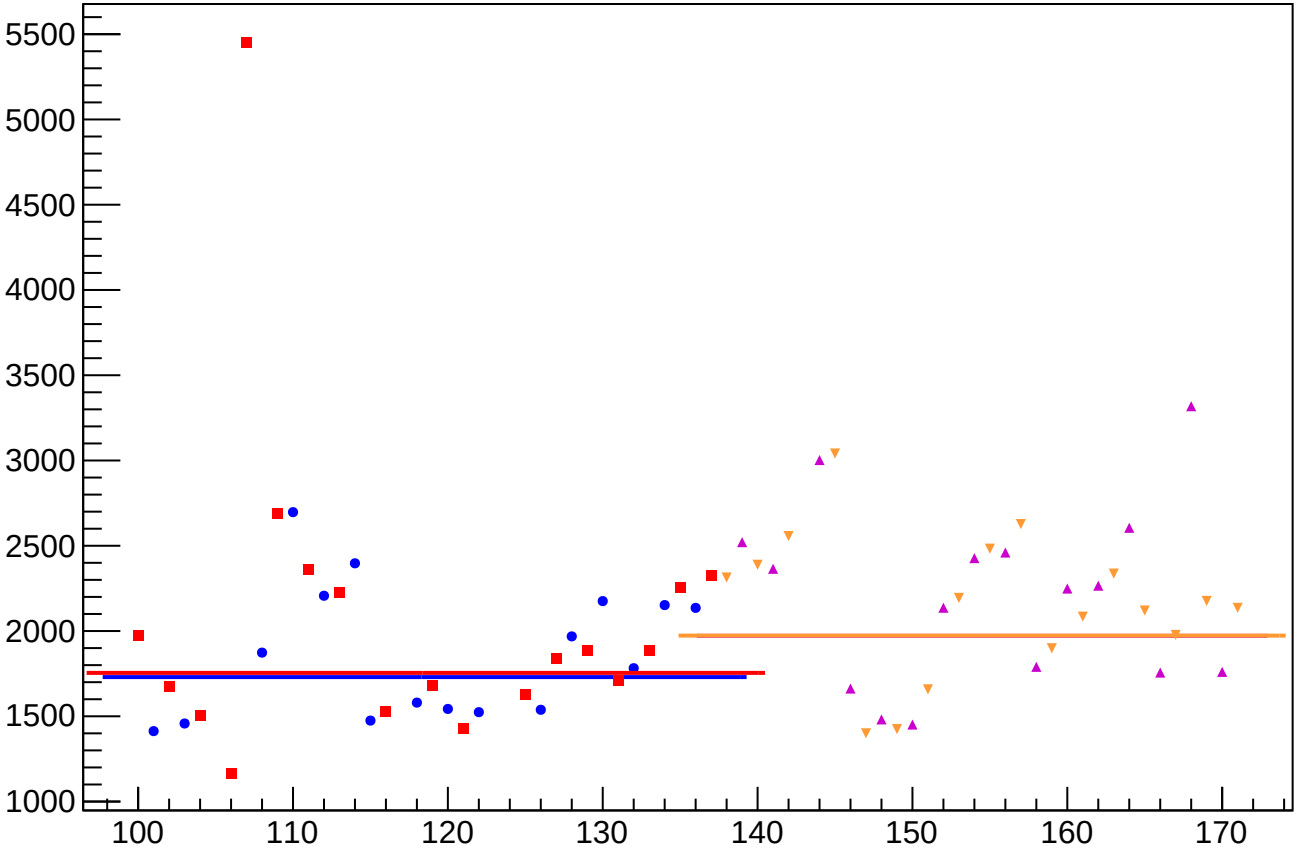
Left In: -395.715+/-560.190 χ^2/NDF:8.6/15

+ sign -190.301+/-424.524 χ^2/NDF: 41.8/32

All: -104.863+/-302.761 χ^2/NDF: 65.4/66

- sign -16.428+/-431.908 χ^2/NDF: 23.6/33

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1973.170+/-0.393 χ^2/NDF:1166259.1/16

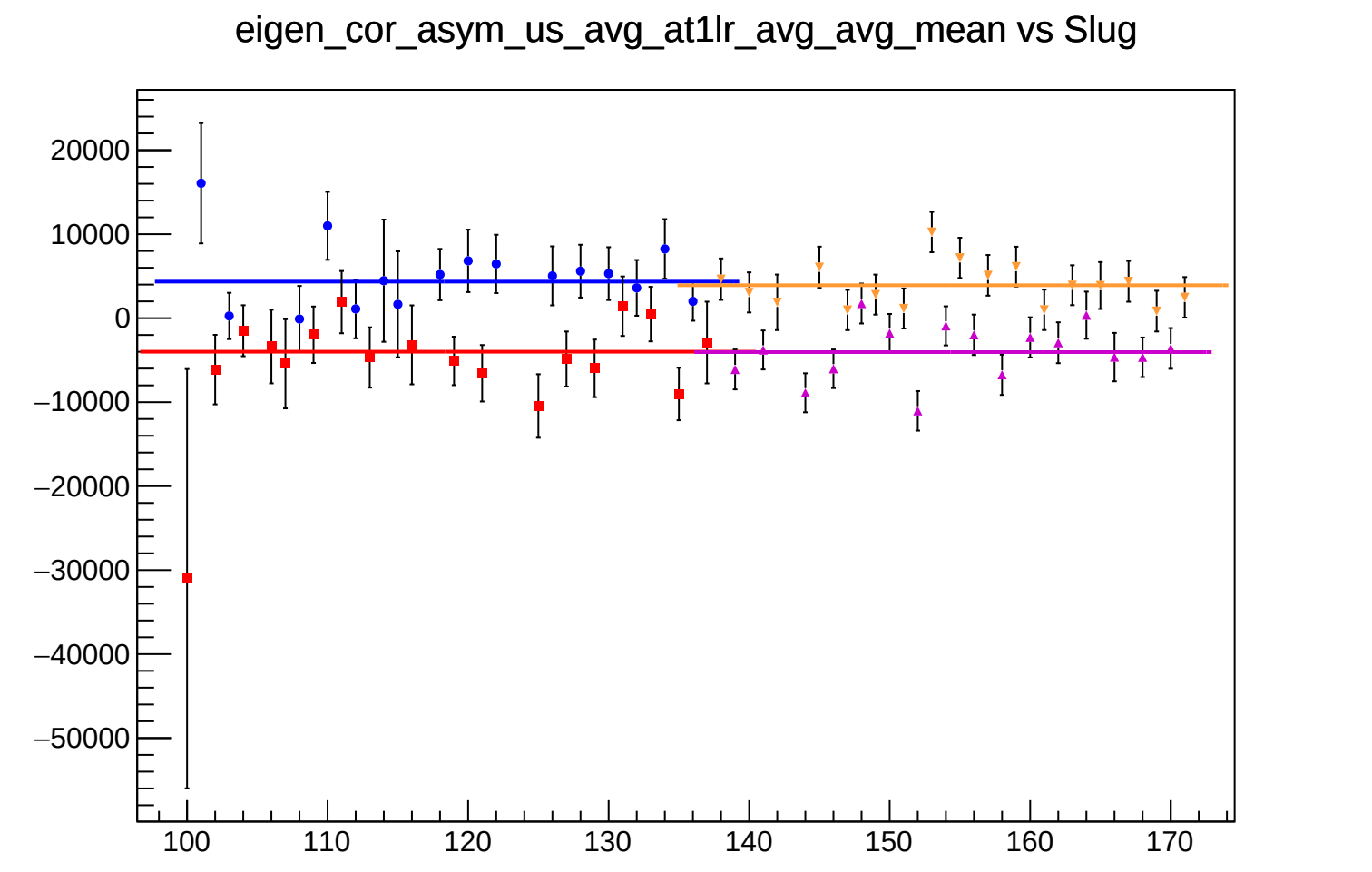
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

+ sign 1871.972+/-0.300 χ^2/NDF: 1805713.1/32

All: 1877.655+/-0.214 χ^2/NDF: 4089602.5/66

- sign 1883.538+/-0.305 χ^2/NDF: 2283159.9/33



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.121+/-596.480 χ^2/NDF:17.8/16

Right Out: -3989.884+/-871.455 χ^2/NDF: 16.1/17

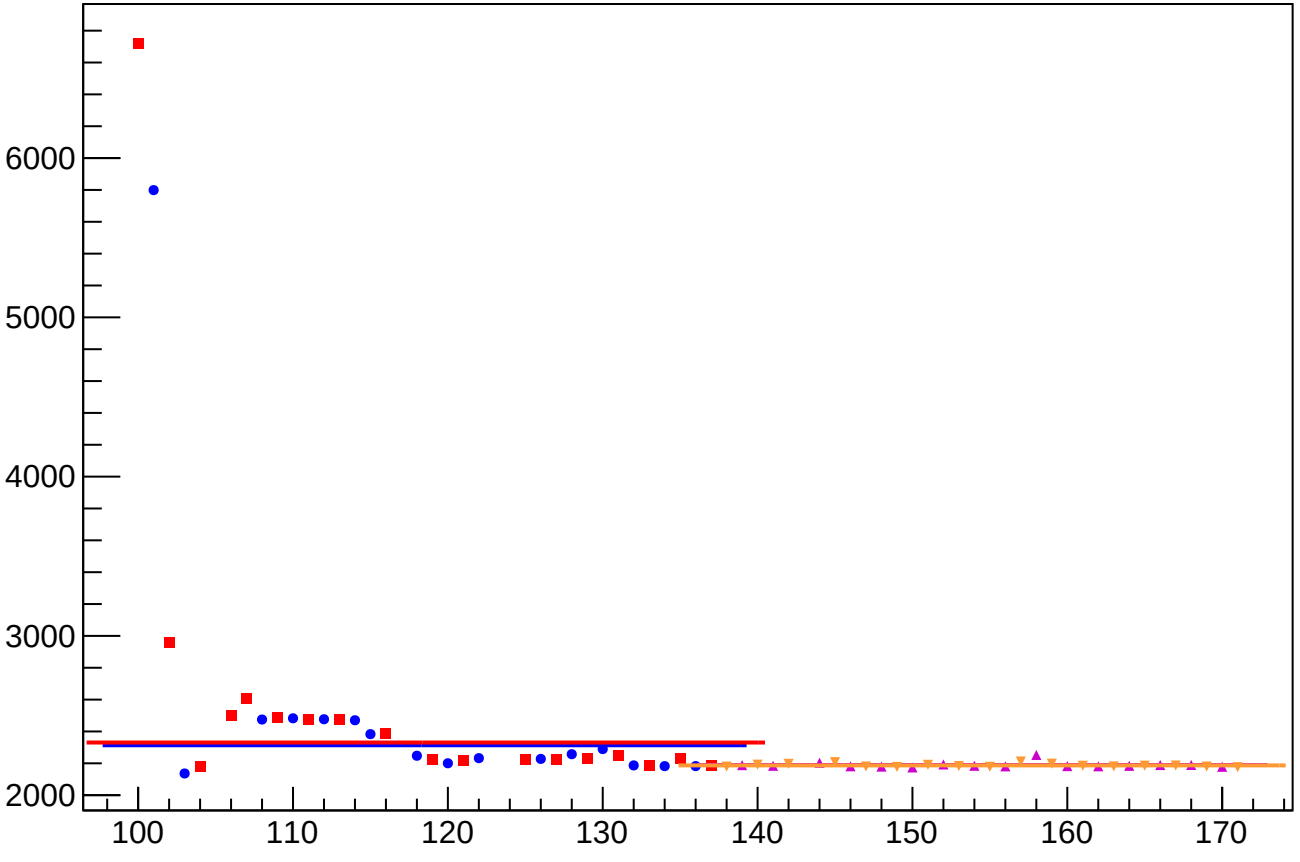
Left In: -4035.441+/-602.124 χ^2/NDF:28.7/15

+ sign 4059.005+/-492.885 χ^2/NDF: 31.3/32

All: 39.528+/-349.401 χ^2/NDF: 209.9/66

- sign -4020.720+/-495.379 χ^2/NDF: 44.9/33

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: 2186.956+/-0.422 χ^2/NDF:593.7/16

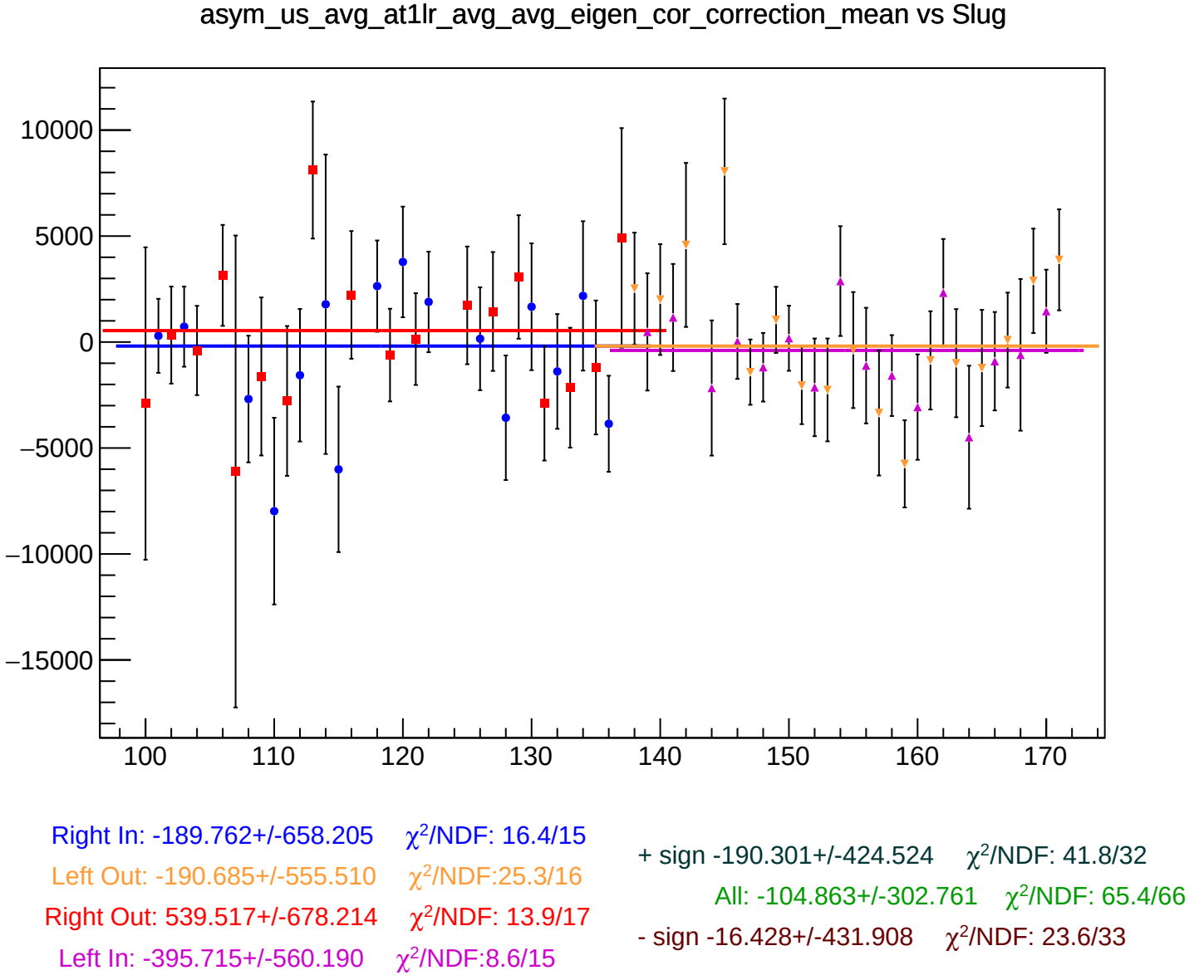
Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

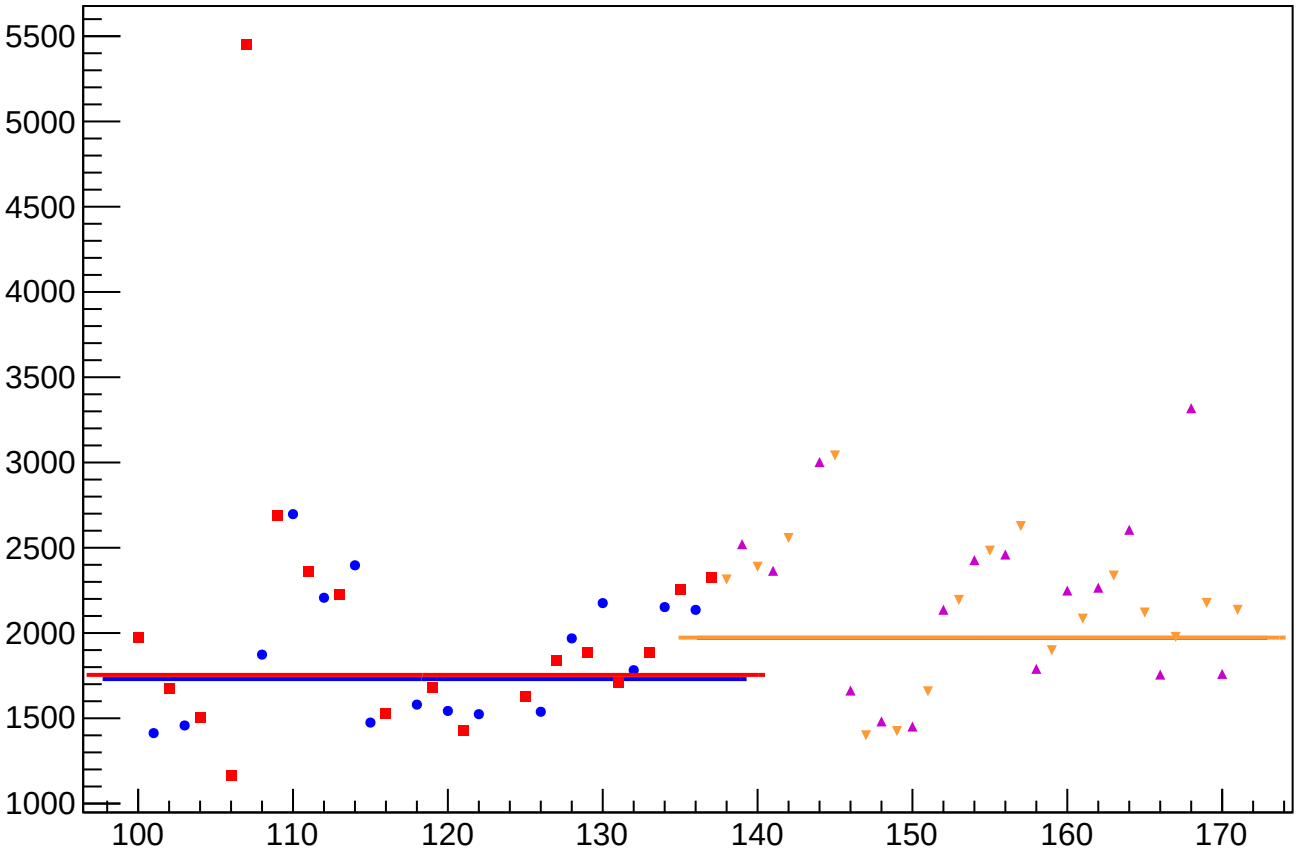
Left In: 2189.355+/-0.426 χ^2/NDF:1745.5/15

+ sign 2227.067+/-0.349 χ^2/NDF: 541479.3/32

All: 2231.007+/-0.247 χ^2/NDF: 730585.1/66

- sign 2234.987+/-0.350 χ^2/NDF: 188848.9/33


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -190.685+/-555.510 χ²/NDF:25.3/16
Right Out: 539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -395.715+/-560.190 χ²/NDF:8.6/15
+ sign -190.301+/-424.524 χ²/NDF: 41.8/32
All: -104.863+/-302.761 χ²/NDF: 65.4/66
- sign -16.428+/-431.908 χ²/NDF: 23.6/33



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1973.170+/-0.393 χ^2/NDF:1166259.1/16

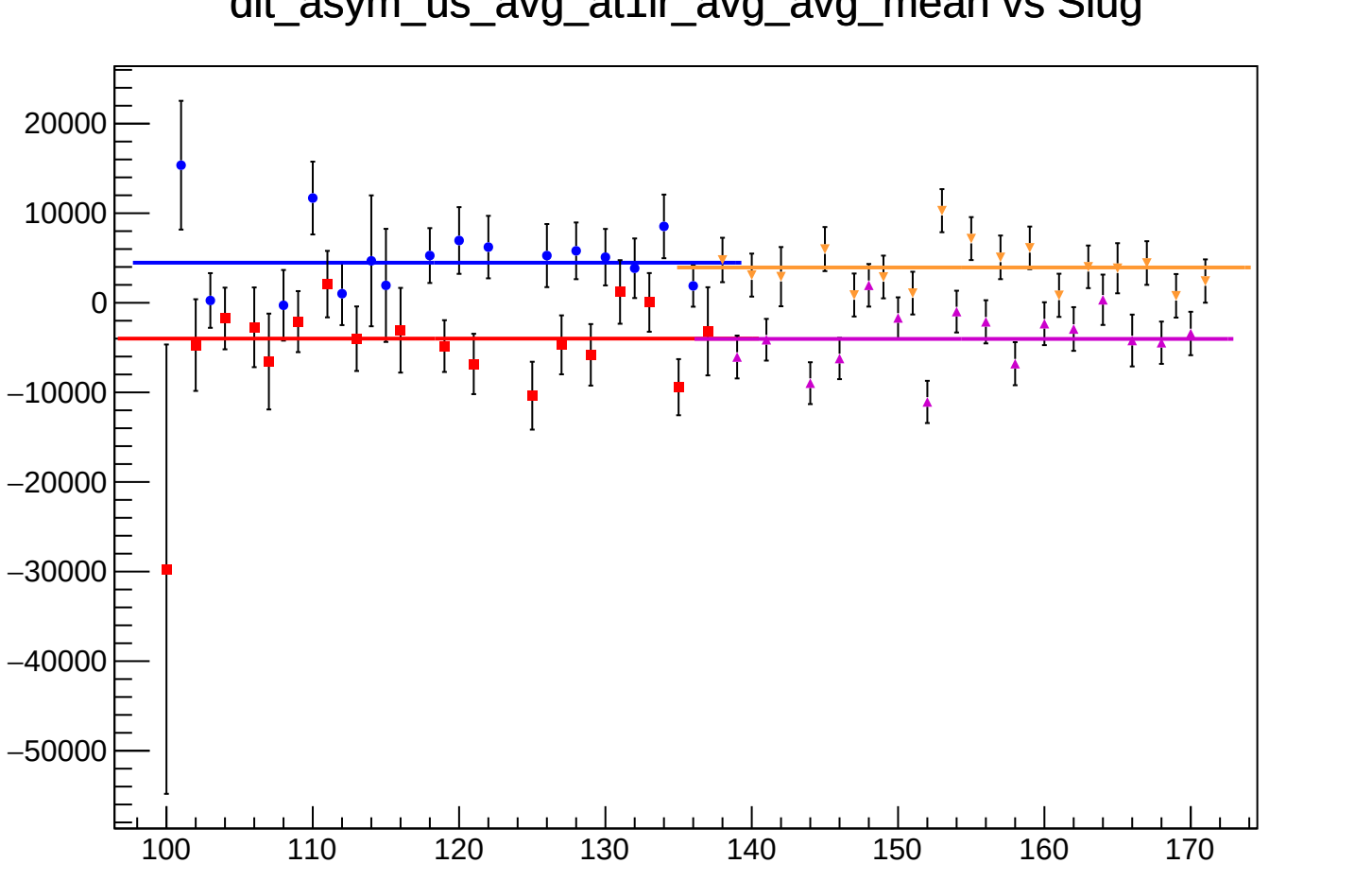
Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

+ sign 1871.972+/-0.300 χ^2/NDF: 1805713.1/32

All: 1877.655+/-0.214 χ^2/NDF: 4089602.5/66

- sign 1883.538+/-0.305 χ^2/NDF: 2283159.9/33



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3943.698+/-597.912 χ^2/NDF:17.9/16

Right Out: -3995.807+/-890.441 χ^2/NDF: 15.5/17

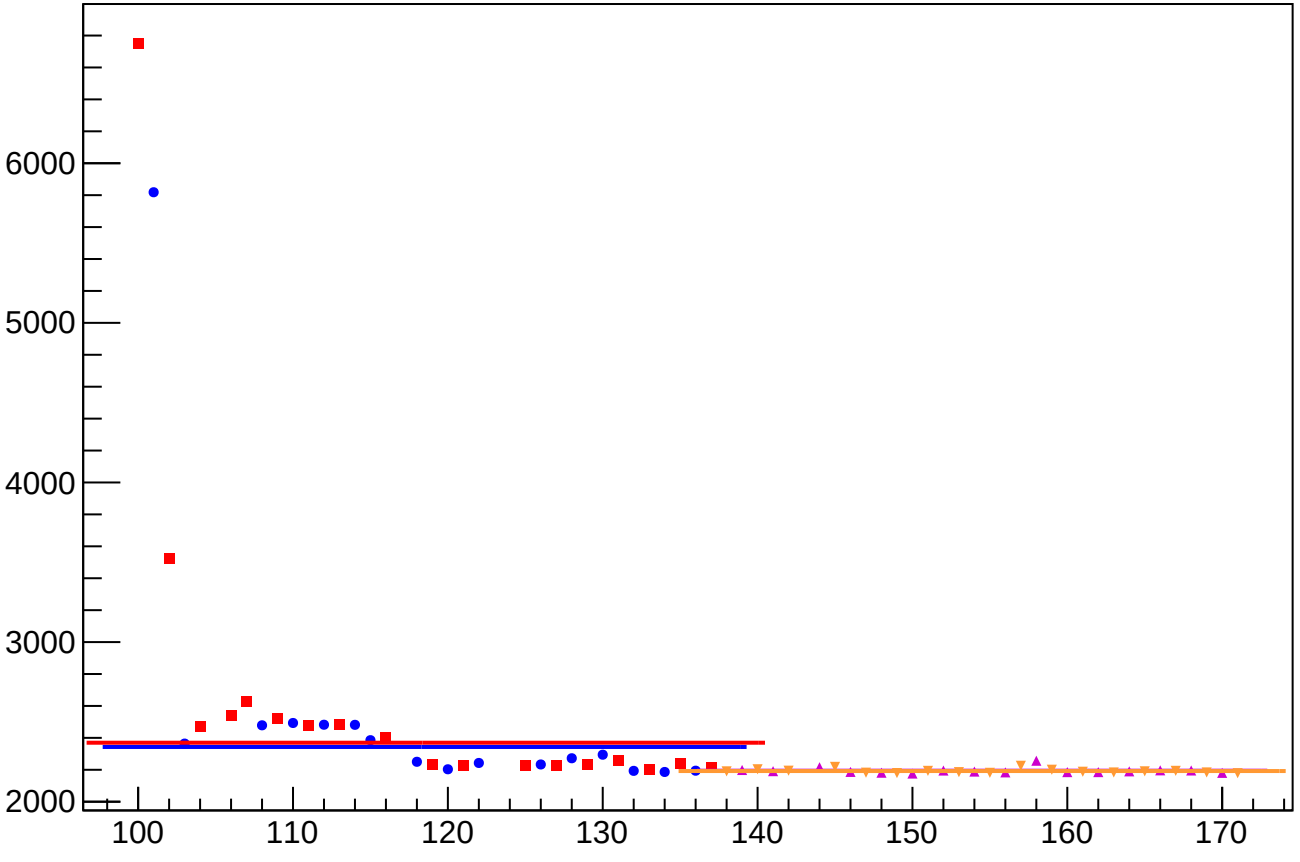
Left In: -4031.023+/-603.519 χ^2/NDF:29.3/15

+ sign 4110.373+/-495.629 χ^2/NDF: 31.7/32

All: 77.511+/-351.852 χ^2/NDF: 209.9/66

- sign -4019.937+/-499.582 χ^2/NDF: 44.7/33

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.105+/-0.423 χ^2/NDF:938.9/16

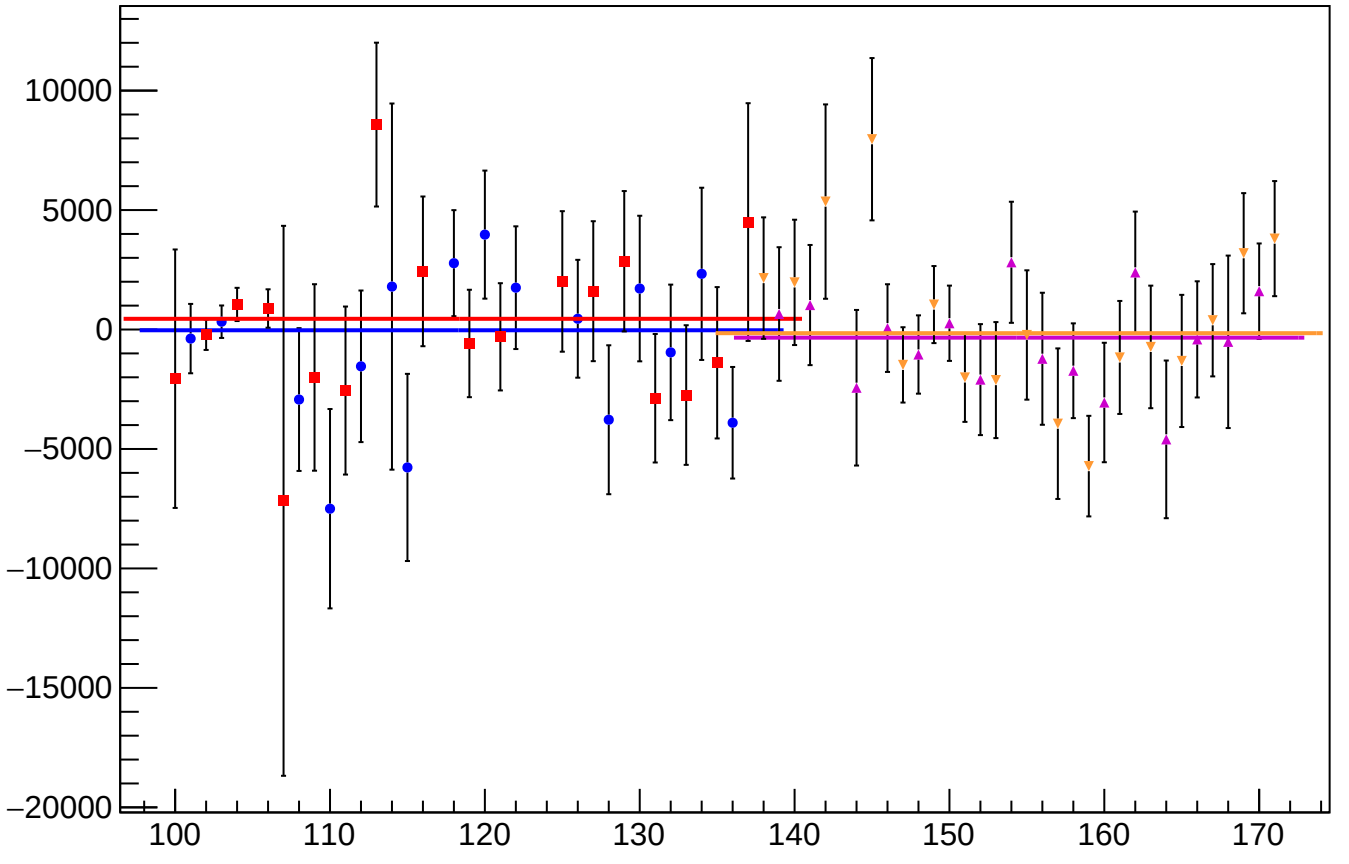
Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2194.366+/-0.427 χ^2/NDF:1906.7/15

+ sign 2239.288+/-0.350 χ^2/NDF: 543613.5/32

All: 2244.362+/-0.249 χ^2/NDF: 809148.6/66

- sign 2249.517+/-0.353 χ^2/NDF: 265112.6/33



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -153.265+/-565.340 χ^2/NDF:25.3/16

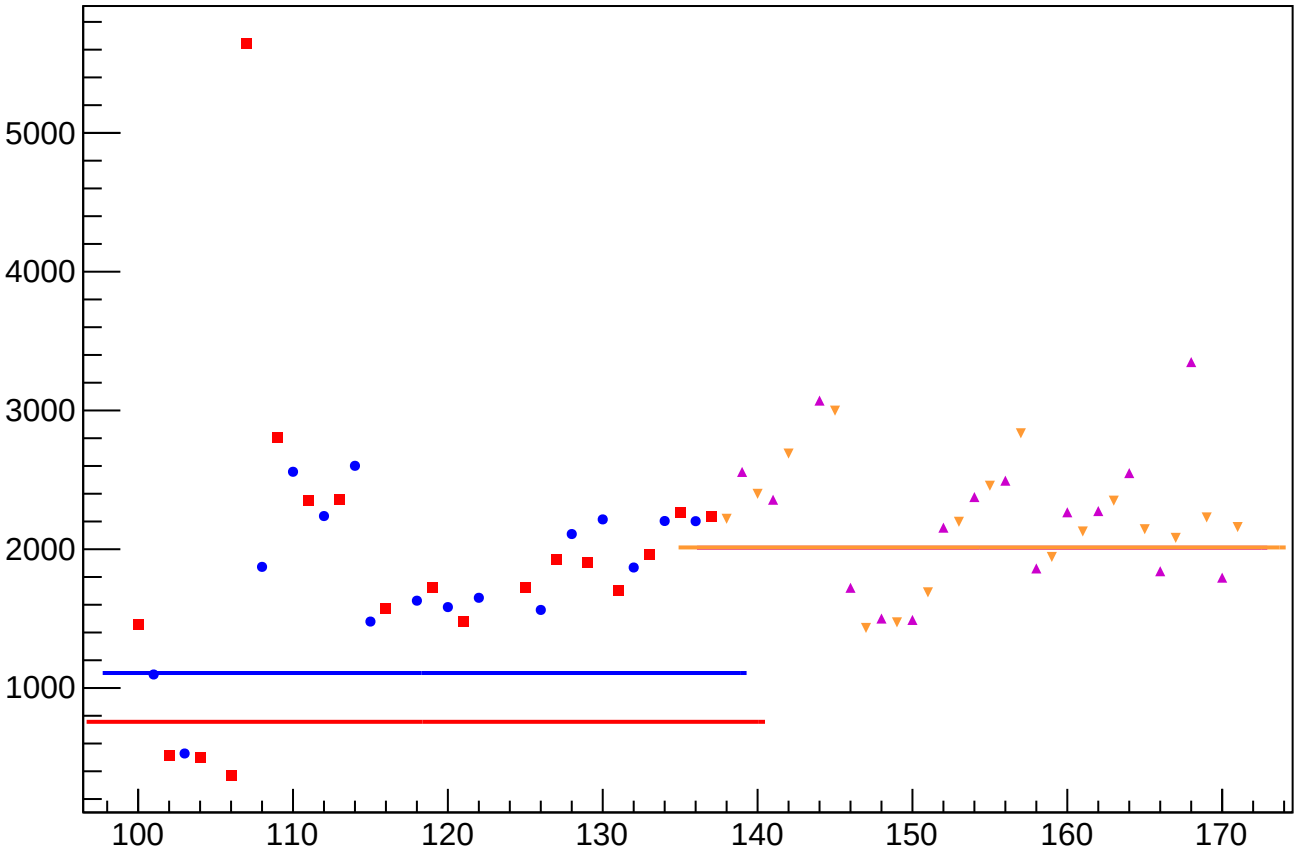
Right Out: 448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -340.792+/-569.679 χ^2/NDF:8.9/15

+ sign -83.102+/-368.247 χ^2/NDF: 41.6/32

All: 96.720+/-235.293 χ^2/NDF: 67.4/66

- sign 220.786+/-305.875 χ^2/NDF: 25.3/33



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2012.939+/-0.400 χ^2/NDF:1107433.2/16

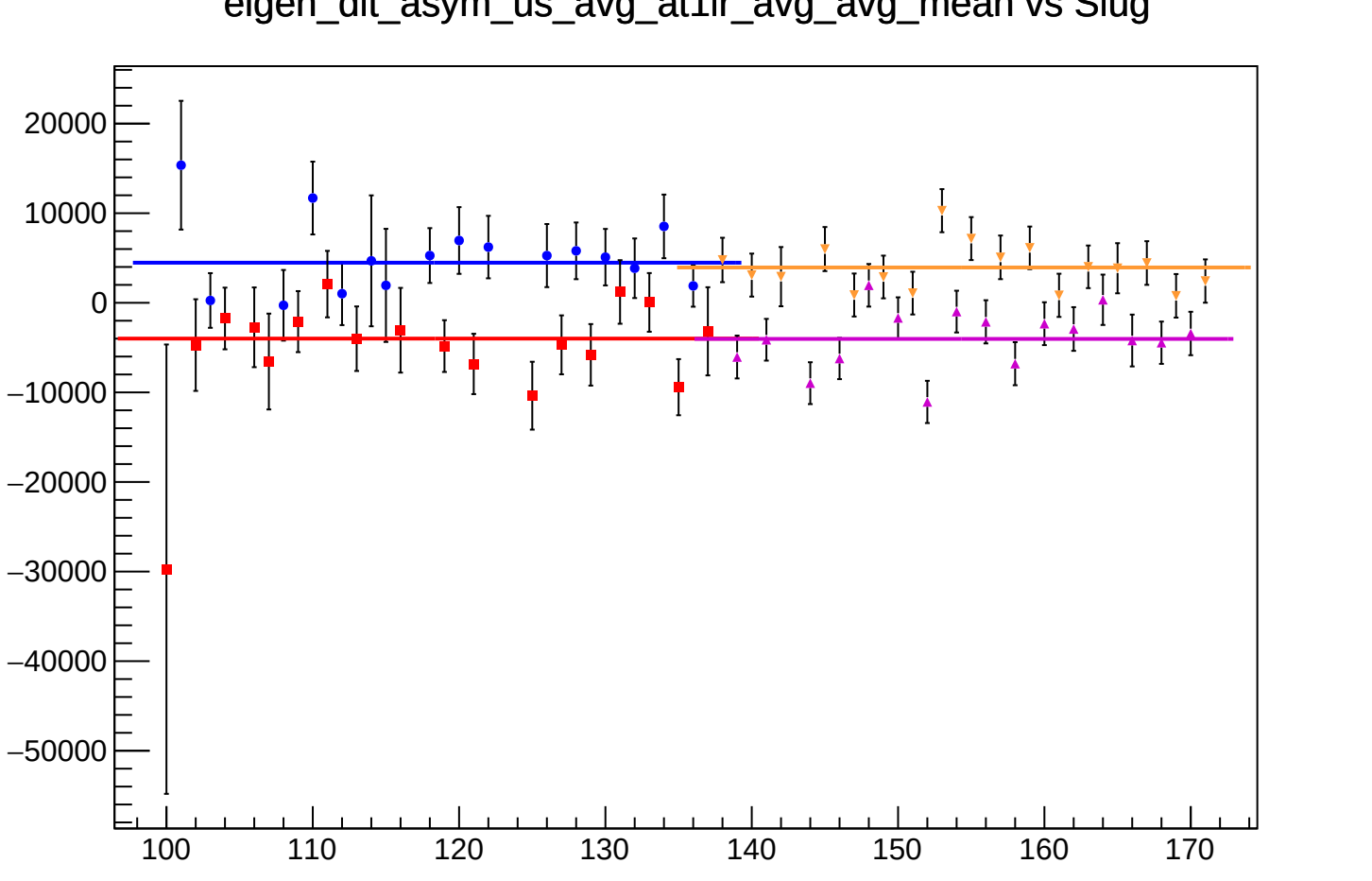
Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2010.747+/-0.403 χ^2/NDF:1312699.4/15

+ sign 1492.033+/-0.260 χ^2/NDF: 7803230.8/32

All: 1270.720+/-0.166 χ^2/NDF: 22840668.1/6

- sign 1118.028+/-0.216 χ^2/NDF: 13816656.0/33



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3943.696+/-597.912 χ^2/NDF:17.9/16

Right Out: -3995.803+/-890.441 χ^2/NDF: 15.5/17

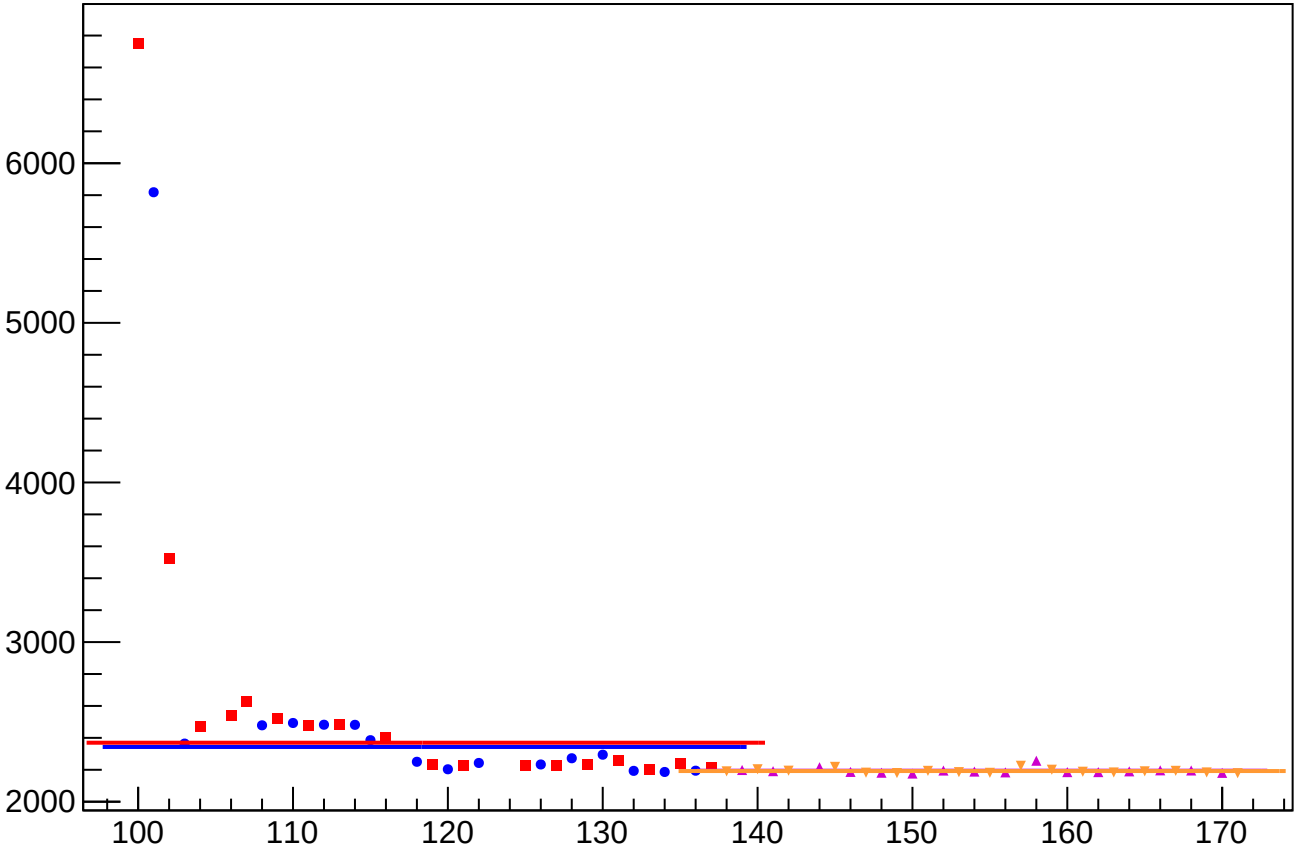
Left In: -4031.024+/-603.519 χ^2/NDF:29.3/15

+ sign 4110.371+/-495.629 χ^2/NDF: 31.7/32

All: 77.510+/-351.852 χ^2/NDF: 209.9/66

- sign -4019.937+/-499.582 χ^2/NDF: 44.7/33

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: 2192.105+/-0.423 χ^2/NDF:938.9/16

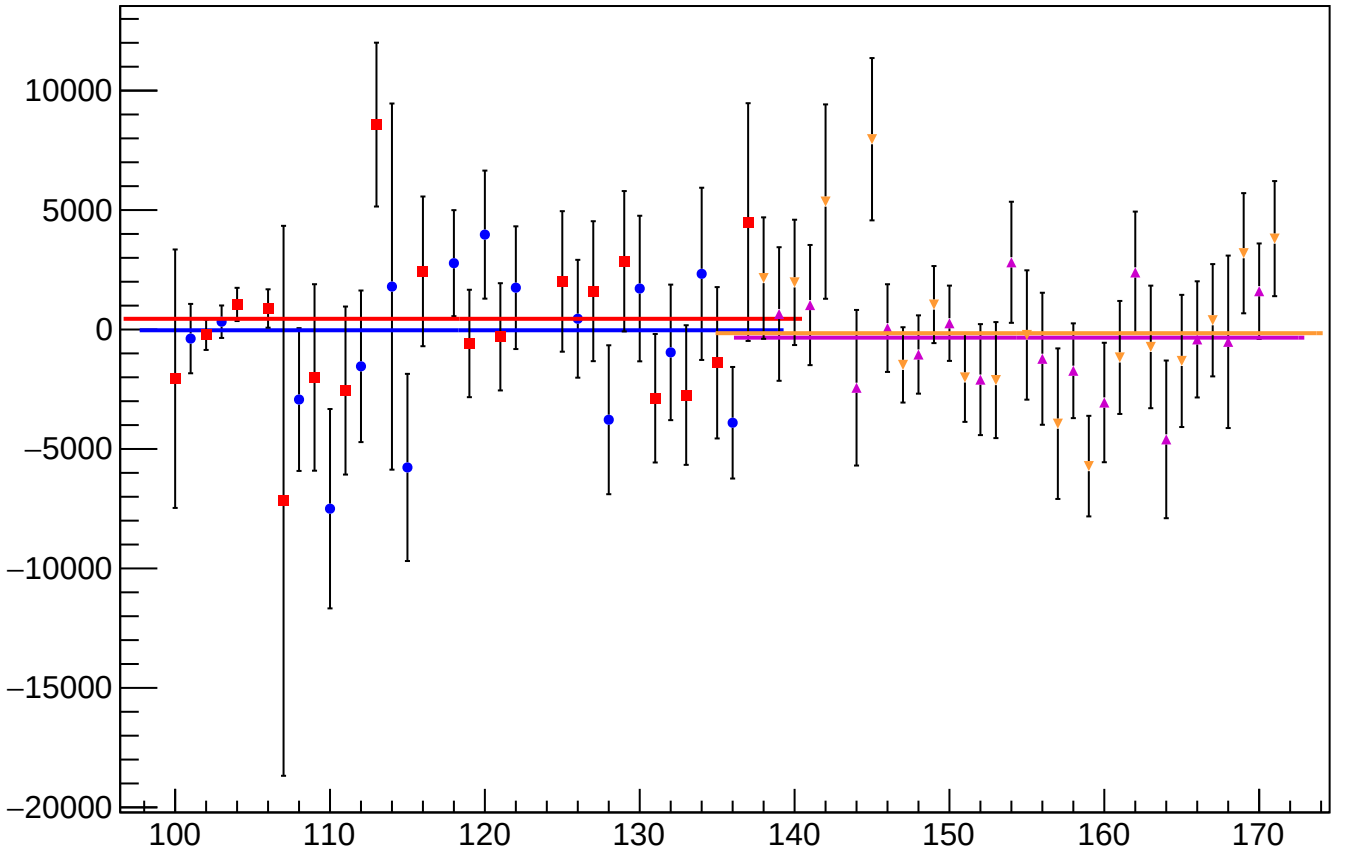
Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2194.366+/-0.427 χ^2/NDF:1906.7/15

+ sign 2239.288+/-0.350 χ^2/NDF: 543613.2/32

All: 2244.362+/-0.249 χ^2/NDF: 809147.0/66

- sign 2249.517+/-0.353 χ^2/NDF: 265111.2/33



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -153.270+/-565.341 χ^2/NDF:25.3/16

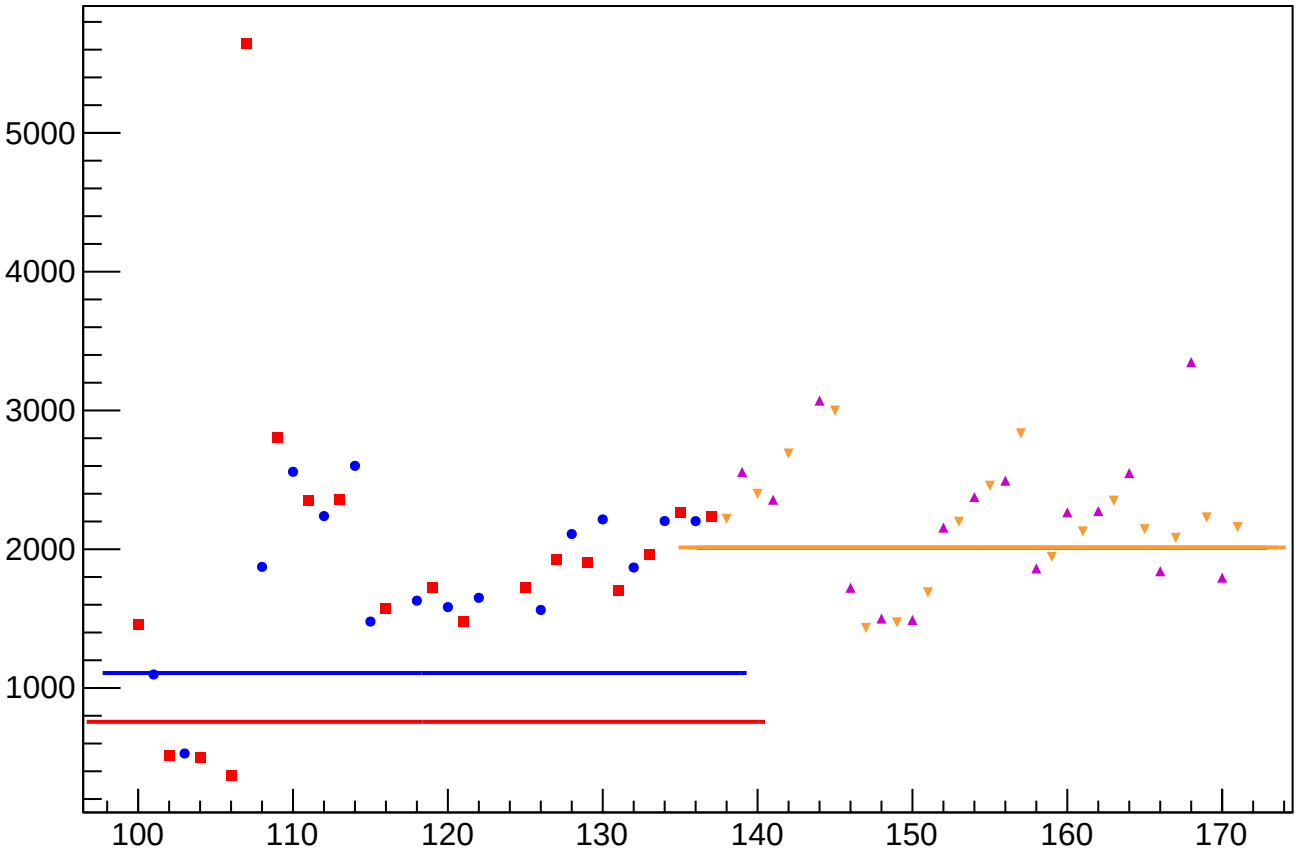
Right Out: 448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -340.793+/-569.680 χ^2/NDF:8.9/15

+ sign -83.108+/-368.248 χ^2/NDF: 41.6/32

All: 96.716+/-235.295 χ^2/NDF: 67.4/66

- sign 220.784+/-305.878 χ^2/NDF: 25.3/33



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 2012.942+/-0.400 χ^2/NDF:1107433.3/16

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

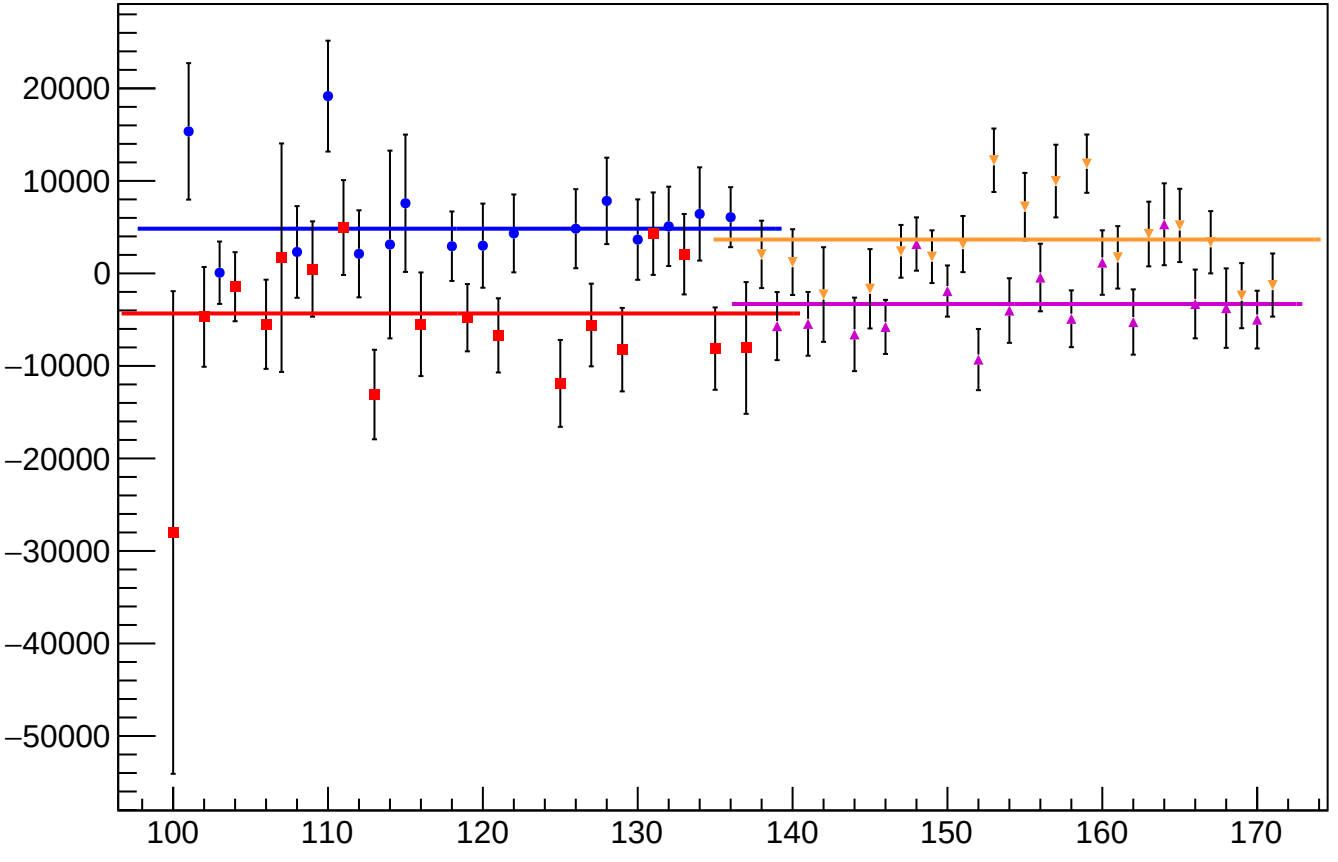
Left In: 2010.751+/-0.403 χ^2/NDF:1312698.5/15

+ sign 1492.042+/-0.260 χ^2/NDF: 7803096.5/32

All: 1270.735+/-0.166 χ^2/NDF: 22840146.1/6

- sign 1118.045+/-0.216 χ^2/NDF: 13816341.4/33

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3661.901+/-840.406 χ^2/NDF:26.3/16

Right Out: -4328.601+/-1144.541 χ^2/NDF: 19.9/17

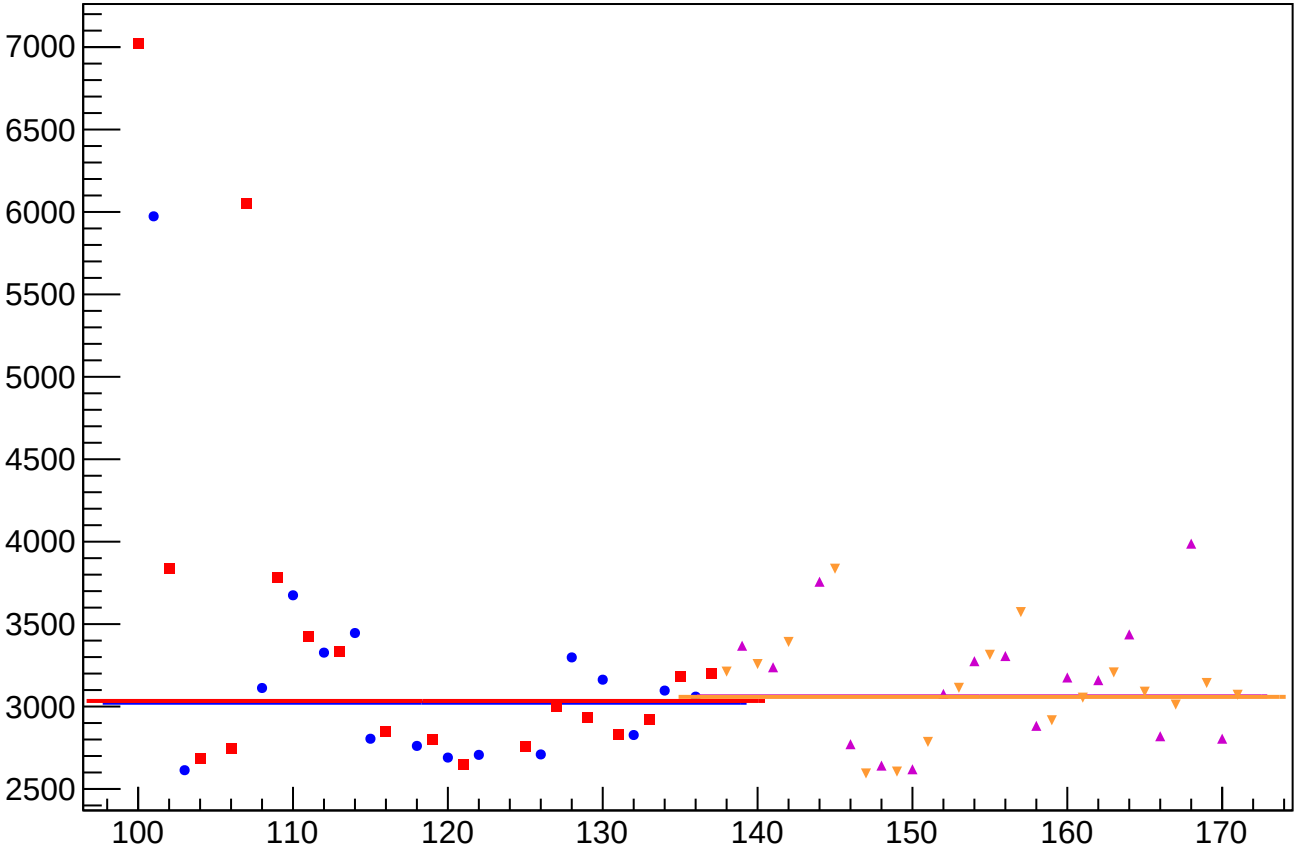
Left In: -3304.674+/-849.001 χ^2/NDF:17.8/15

+ sign 4073.349+/-676.987 χ^2/NDF: 38.7/32

All: 230.500+/-480.423 χ^2/NDF: 141.8/66

- sign -3668.106+/-681.881 χ^2/NDF: 38.2/33

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3058.671+/-0.594 χ^2/NDF:257800.2/16

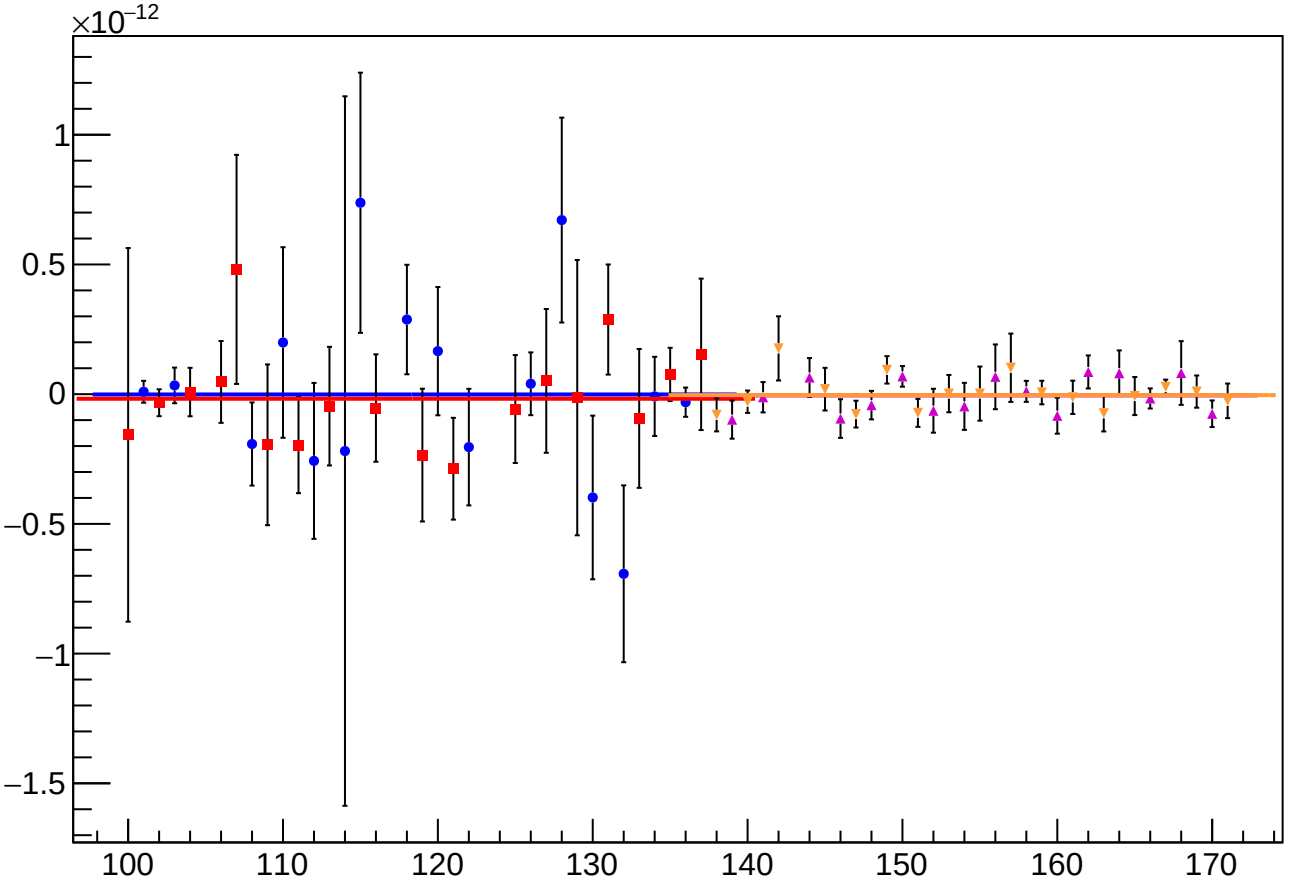
Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3062.042+/-0.600 χ^2/NDF:350230.3/15

\+ sign 3046.171+/-0.479 χ^2/NDF: 702766.2/32

All: 3049.086+/-0.340 χ^2/NDF: 1396527.5/66

\- sign 3052.042+/-0.482 χ^2/NDF: 693686.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/16

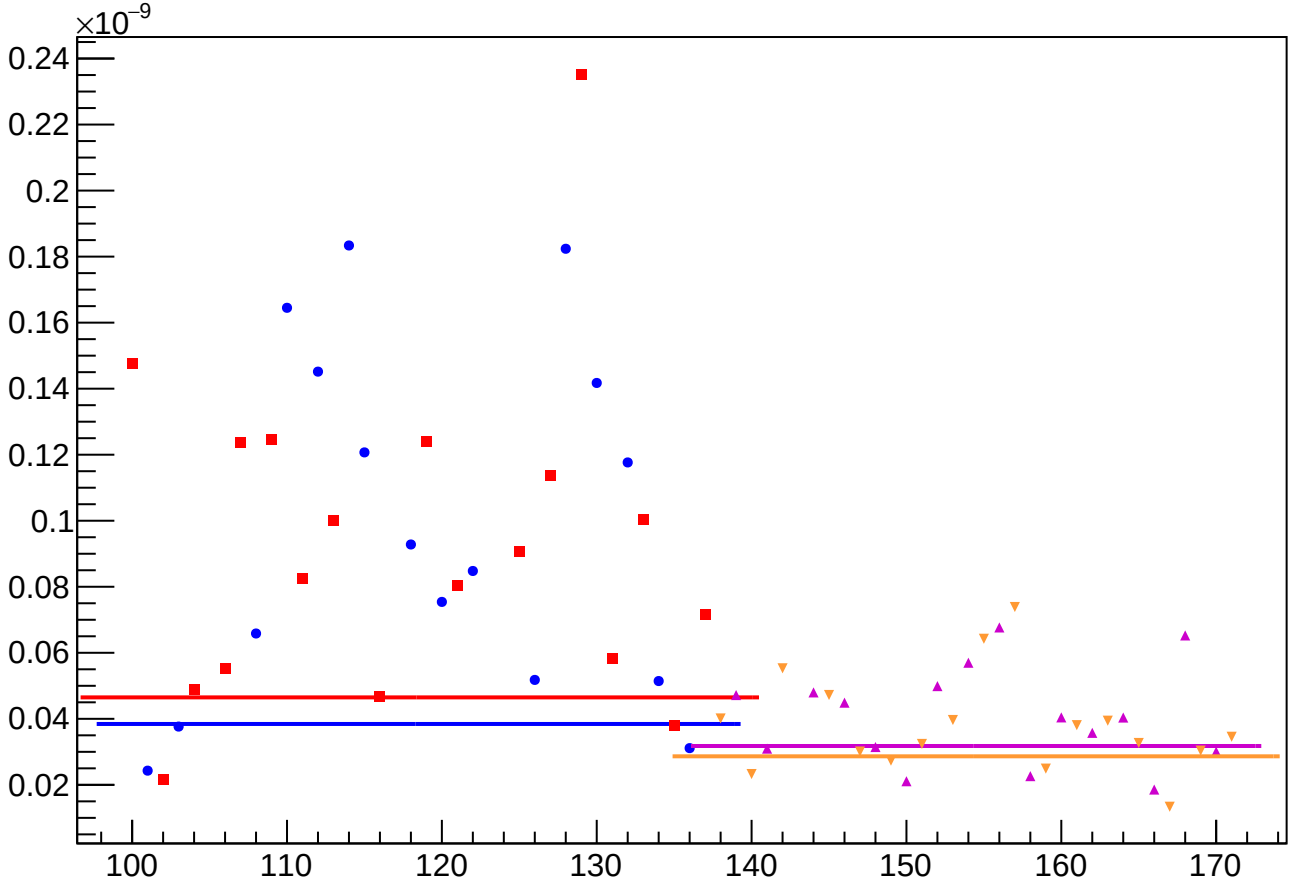
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/32

All: -0.000+/-0.000 χ^2/NDF: 56.0/66

- sign -0.000+/-0.000 χ^2/NDF: 24.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1526700.9/16

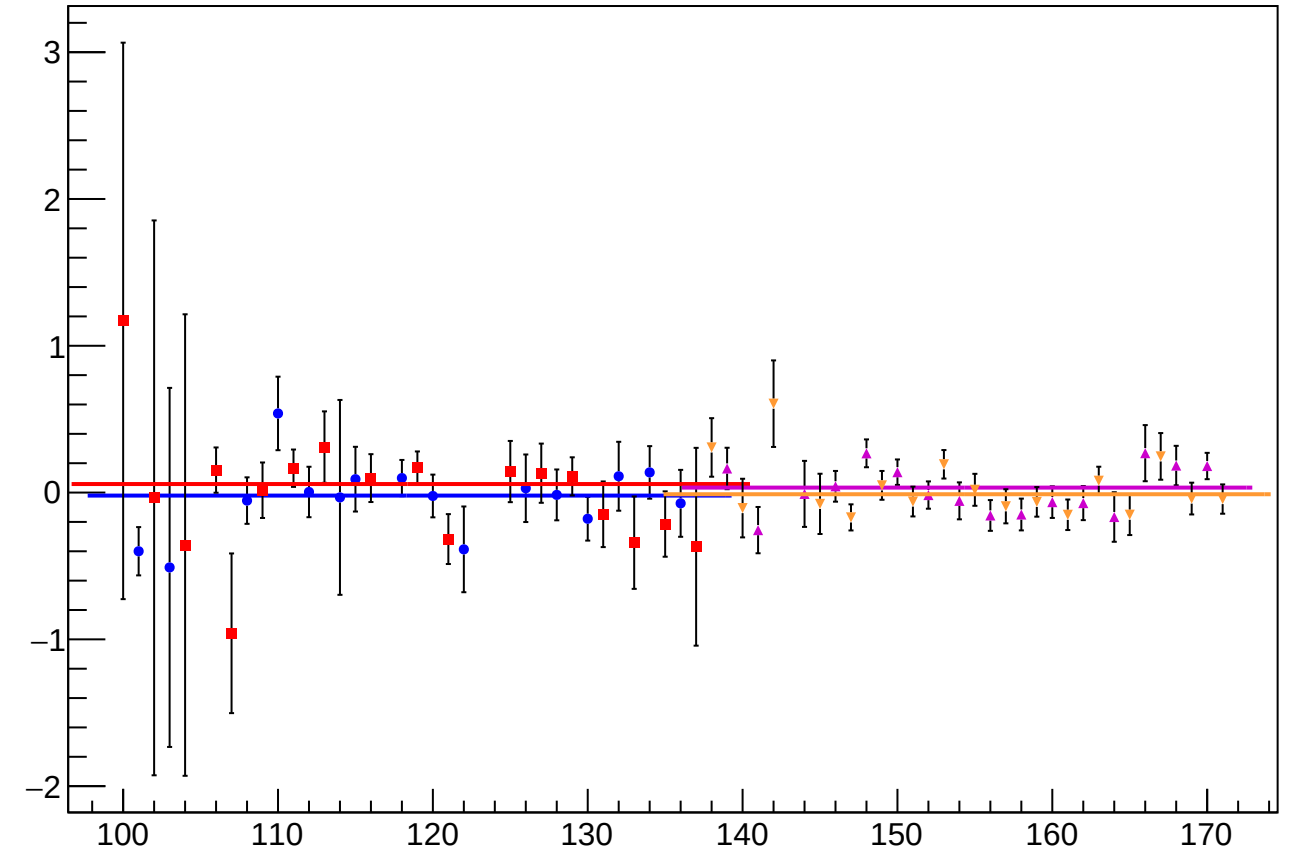
Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1344775.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 3504130.9/32

All: 0.000+/-0.000 χ^2/NDF: 6922820.3/66

- sign 0.000+/-0.000 χ^2/NDF: 3347992.4/33



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.028 χ^2/NDF:22.9/16

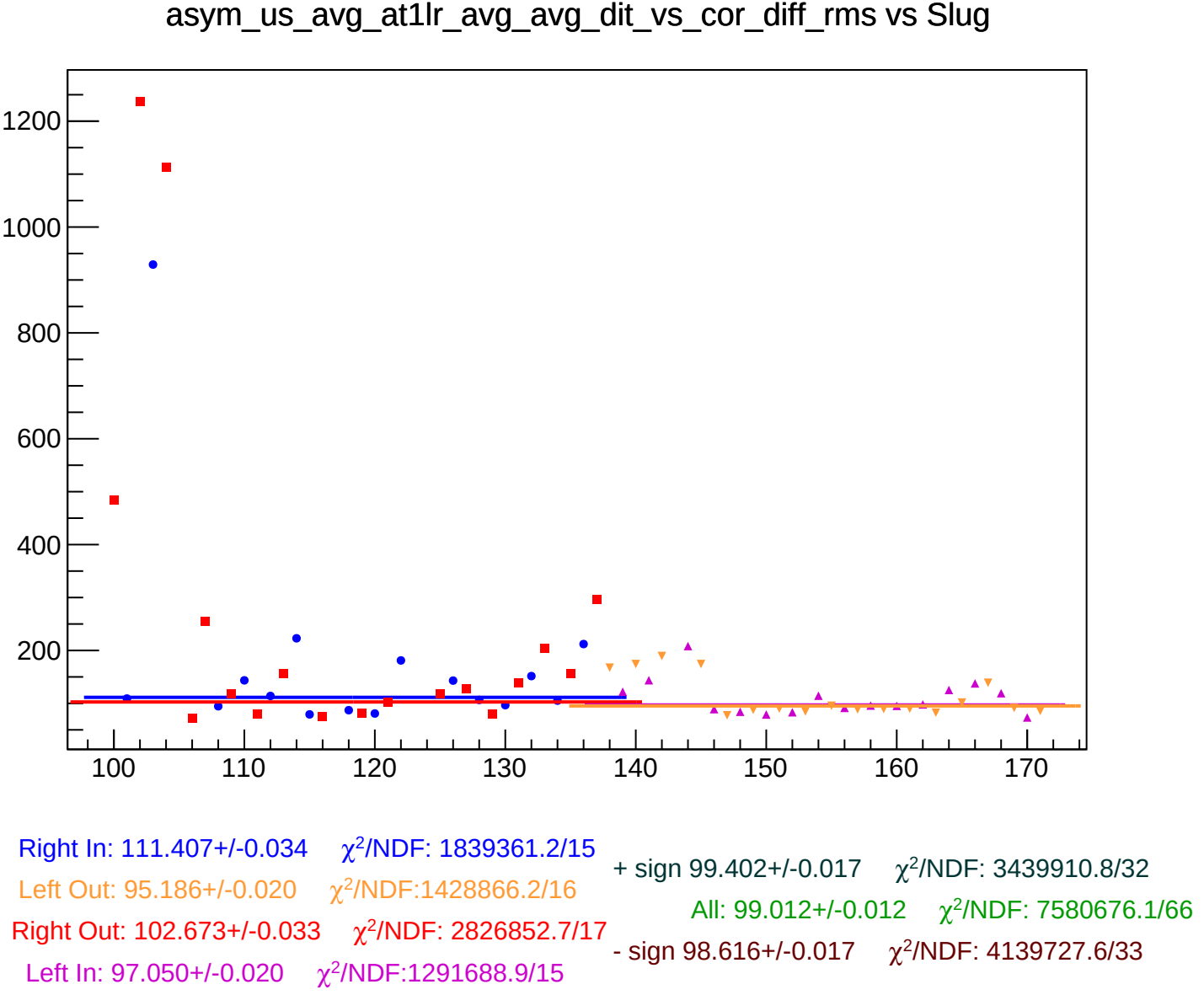
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

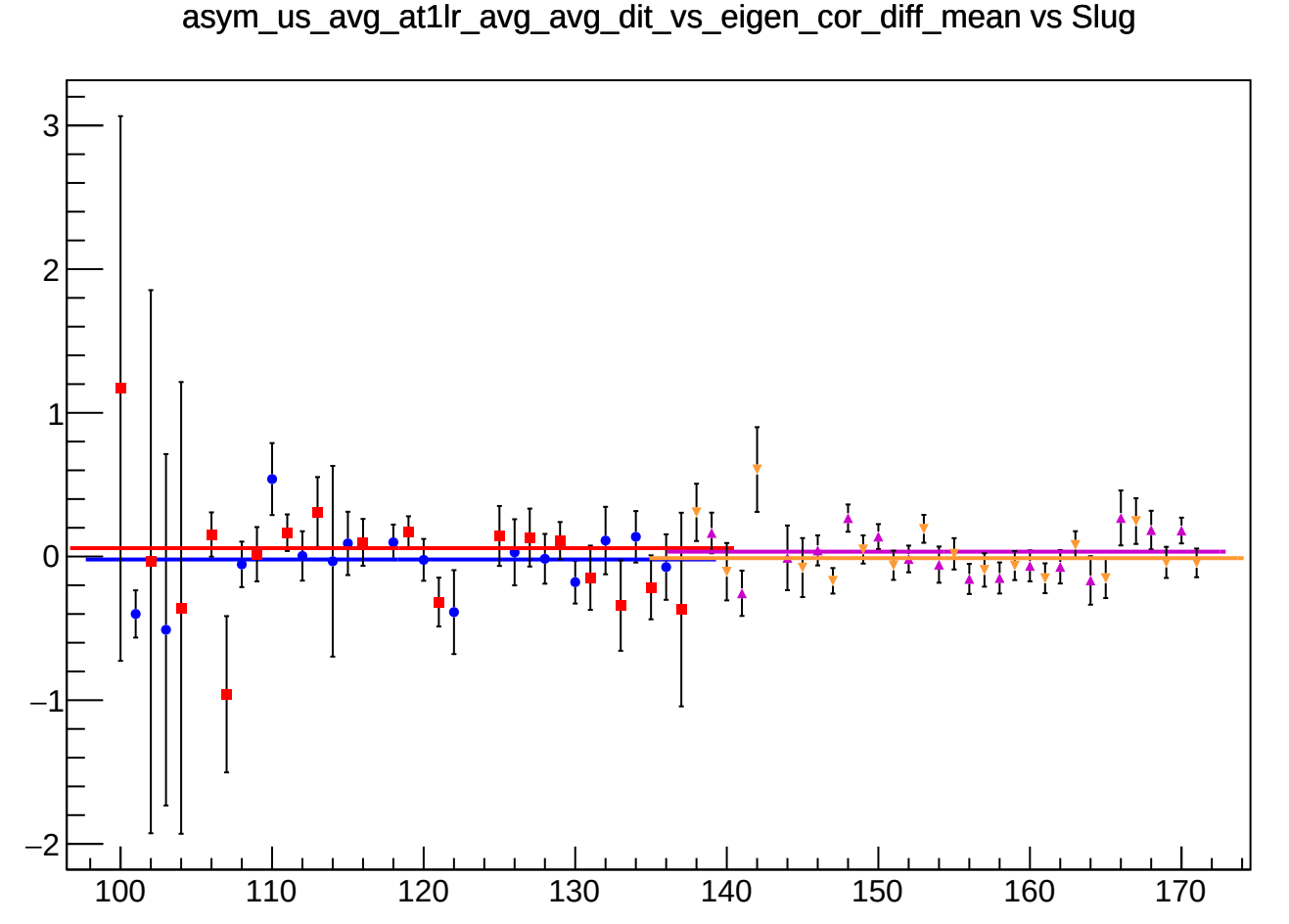
Left In: 0.034+/-0.029 χ^2/NDF:27.3/15

+ sign -0.014+/-0.024 χ^2/NDF: 38.5/32

All: 0.013+/-0.017 χ^2/NDF: 85.3/66

- sign 0.041+/-0.024 χ^2/NDF: 44.3/33


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 95.186+/-0.020 χ²/NDF:1428866.2/16
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.050+/-0.020 χ²/NDF:1291688.9/15
+ sign 99.402+/-0.017 χ²/NDF: 3439910.8/32
All: 99.012+/-0.012 χ²/NDF: 7580676.1/66
- sign 98.616+/-0.017 χ²/NDF: 4139727.6/33



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.028 χ^2/NDF:22.9/16

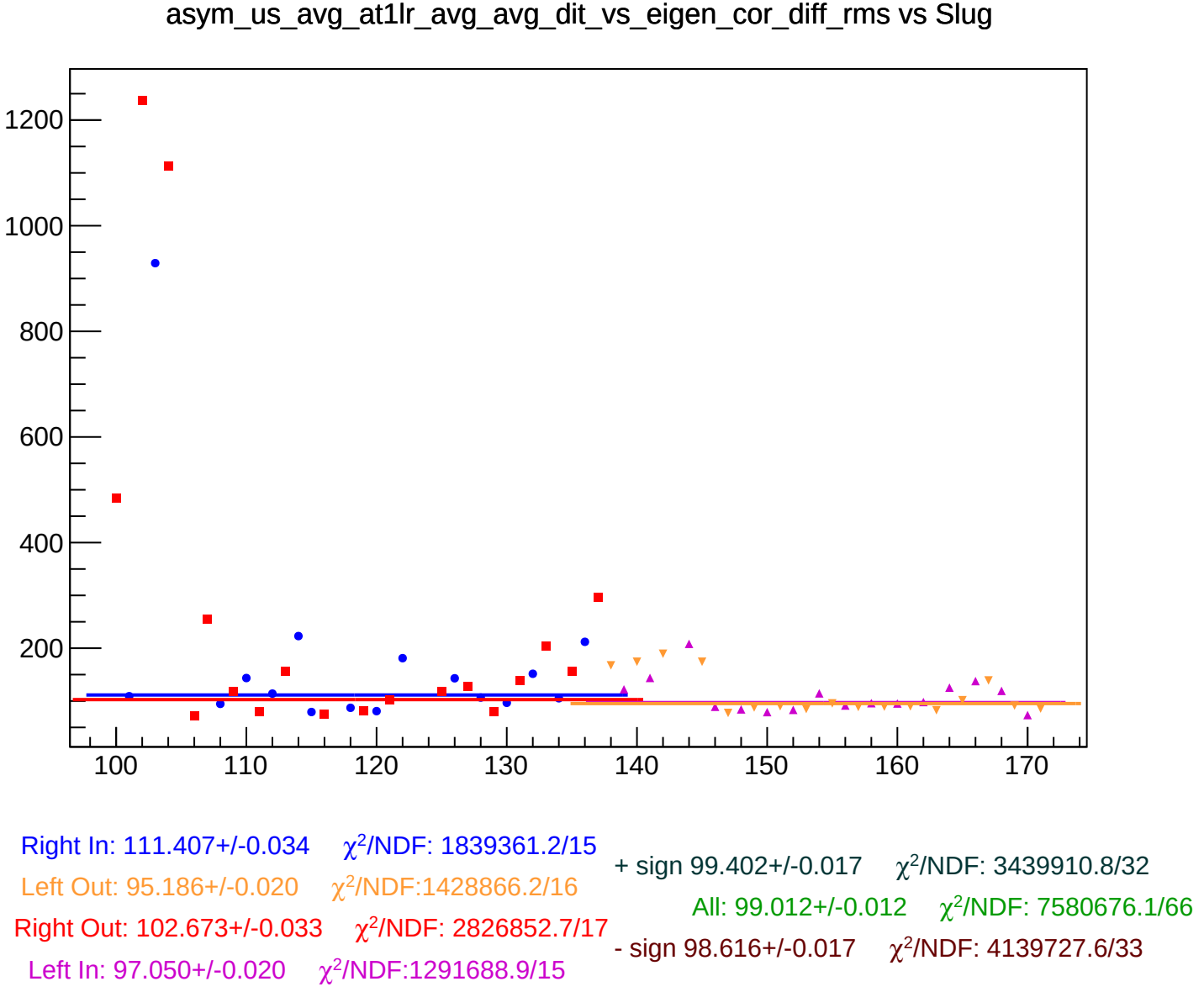
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

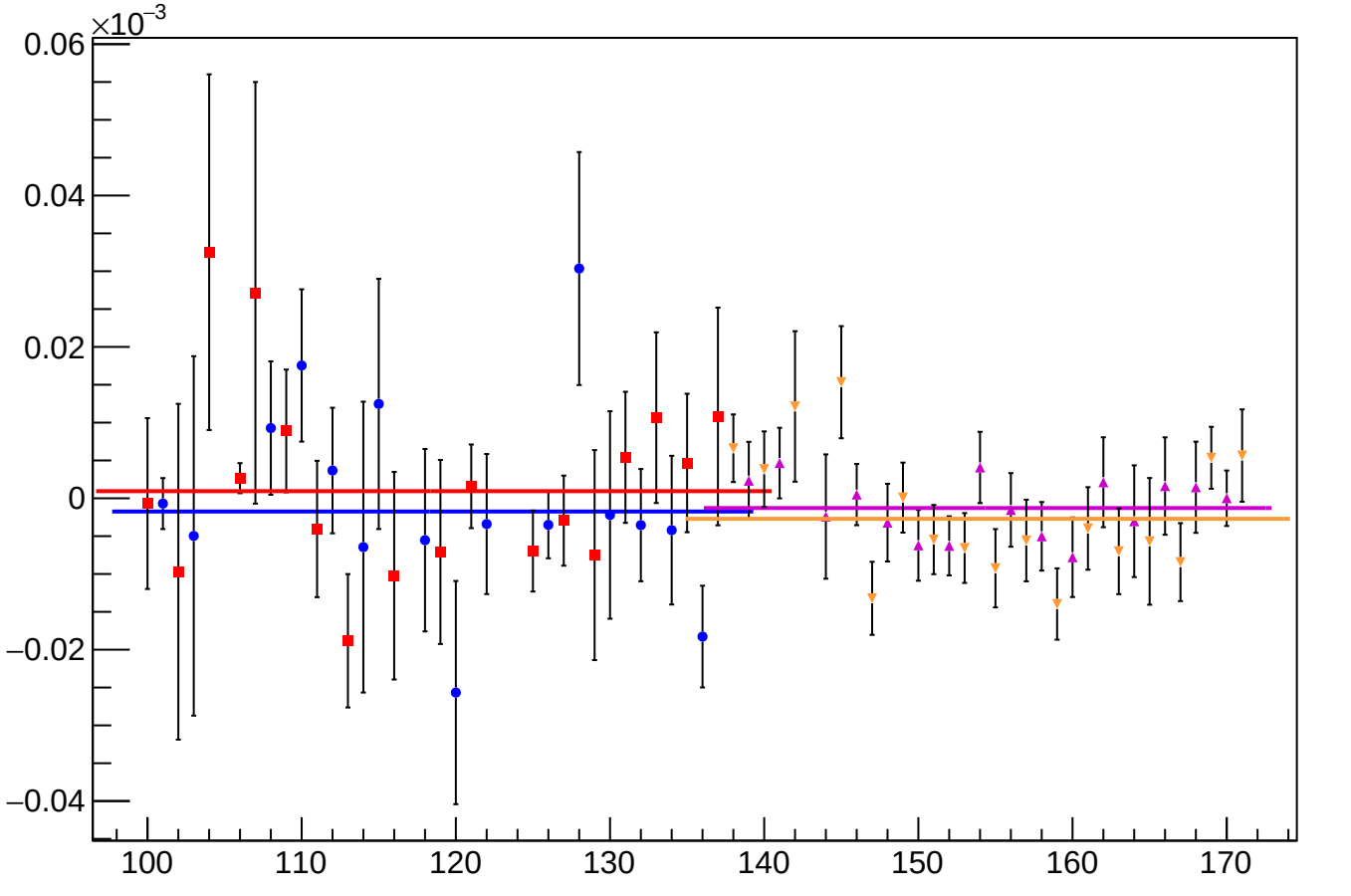
Left In: 0.034+/-0.029 χ^2/NDF:27.3/15

+ sign -0.014+/-0.024 χ^2/NDF: 38.5/32

All: 0.013+/-0.017 χ^2/NDF: 85.3/66

- sign 0.041+/-0.024 χ^2/NDF: 44.3/33


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
170
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 95.186+/-0.020 χ²/NDF:1428866.2/16
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.050+/-0.020 χ²/NDF:1291688.9/15
+ sign 99.402+/-0.017 χ²/NDF: 3439910.8/32
All: 99.012+/-0.012 χ²/NDF: 7580676.1/66
- sign 98.616+/-0.017 χ²/NDF: 4139727.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/16

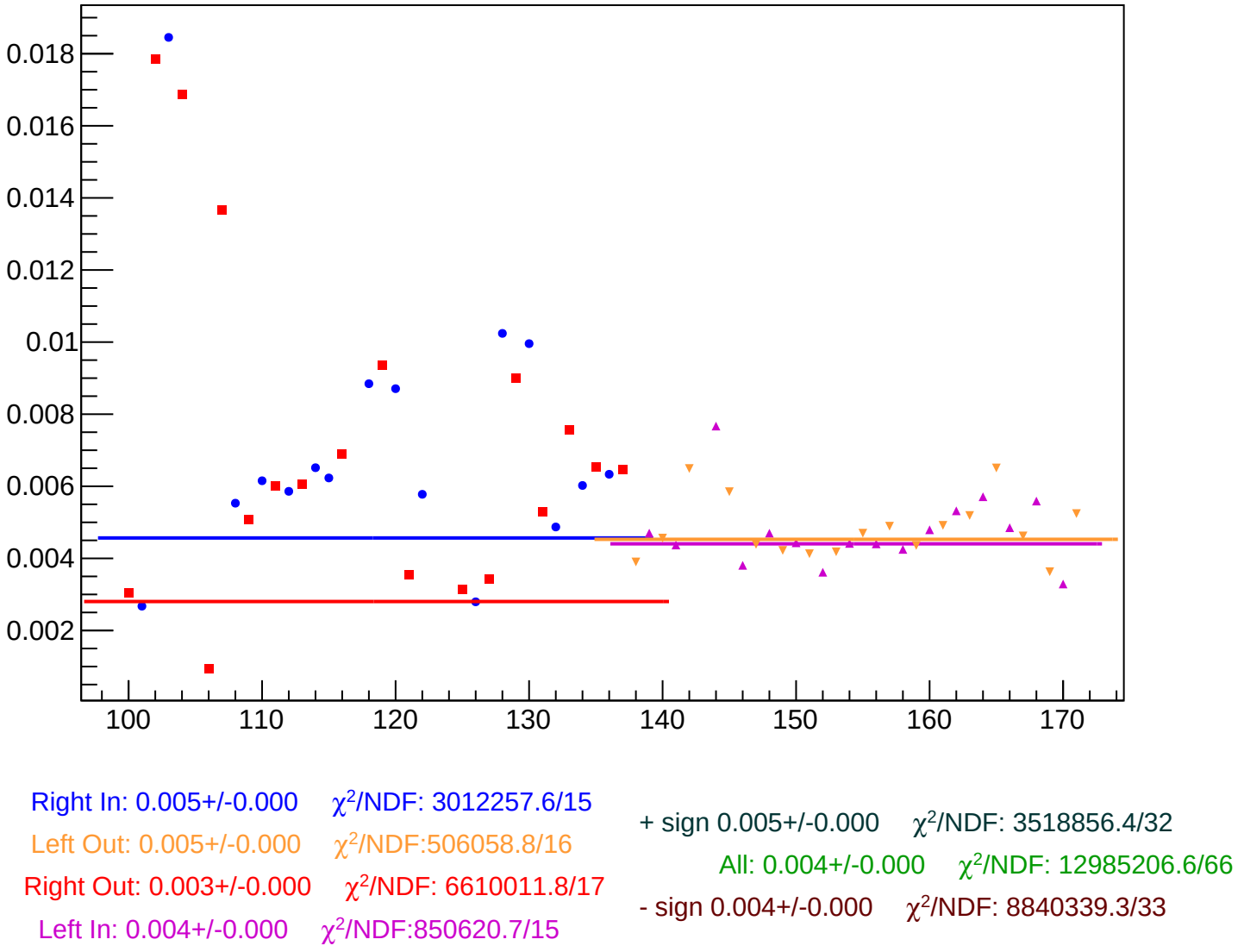
Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

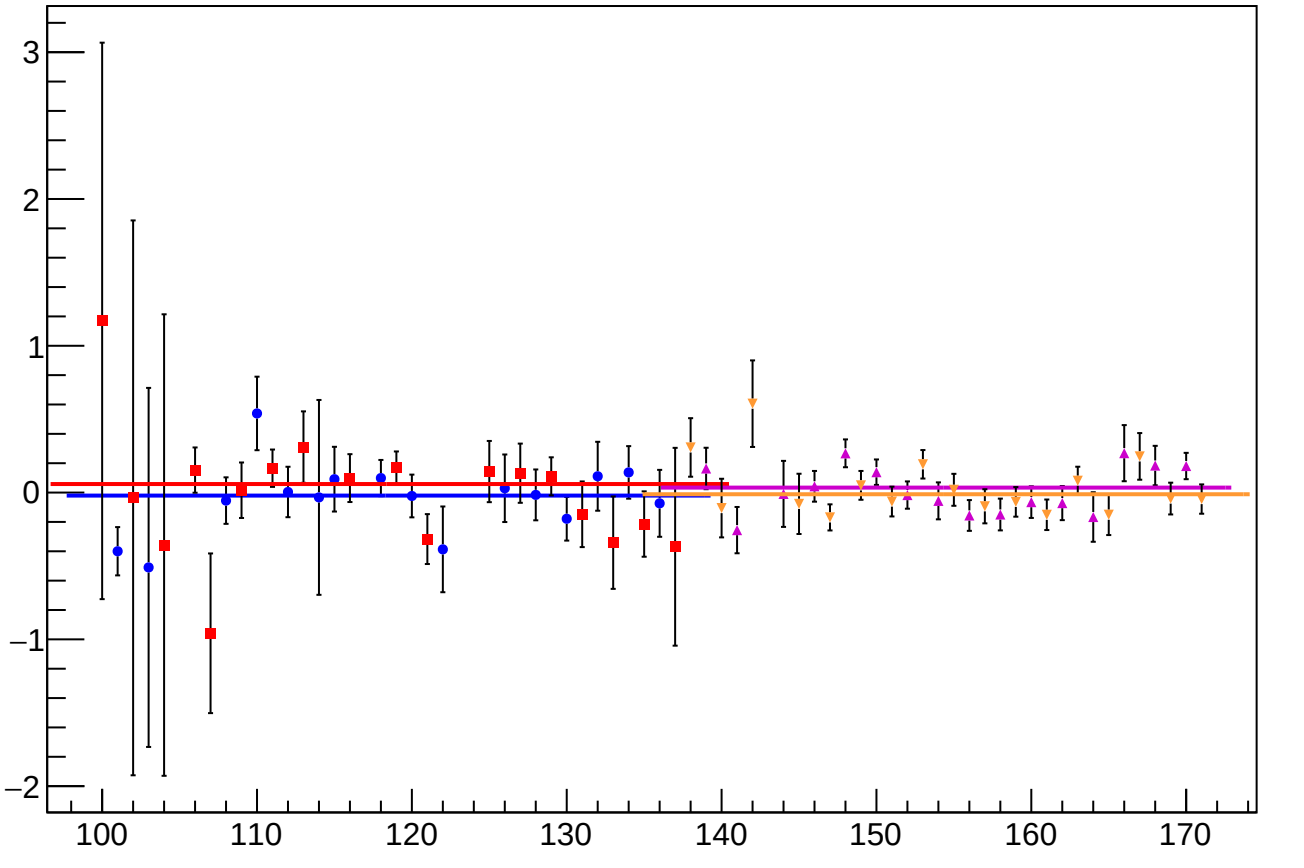
Left In: -0.000+/-0.000 χ^2/NDF:9.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/32

All: -0.000+/-0.000 χ^2/NDF: 84.8/66

- sign -0.000+/-0.000 χ^2/NDF: 26.7/33


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
170
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:506058.8/16
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:850620.7/15
+ sign 0.005+/-0.000 χ²/NDF: 3518856.4/32
All: 0.004+/-0.000 χ²/NDF: 12985206.6/66
- sign 0.004+/-0.000 χ²/NDF: 8840339.3/33



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.028 χ^2/NDF:22.9/16

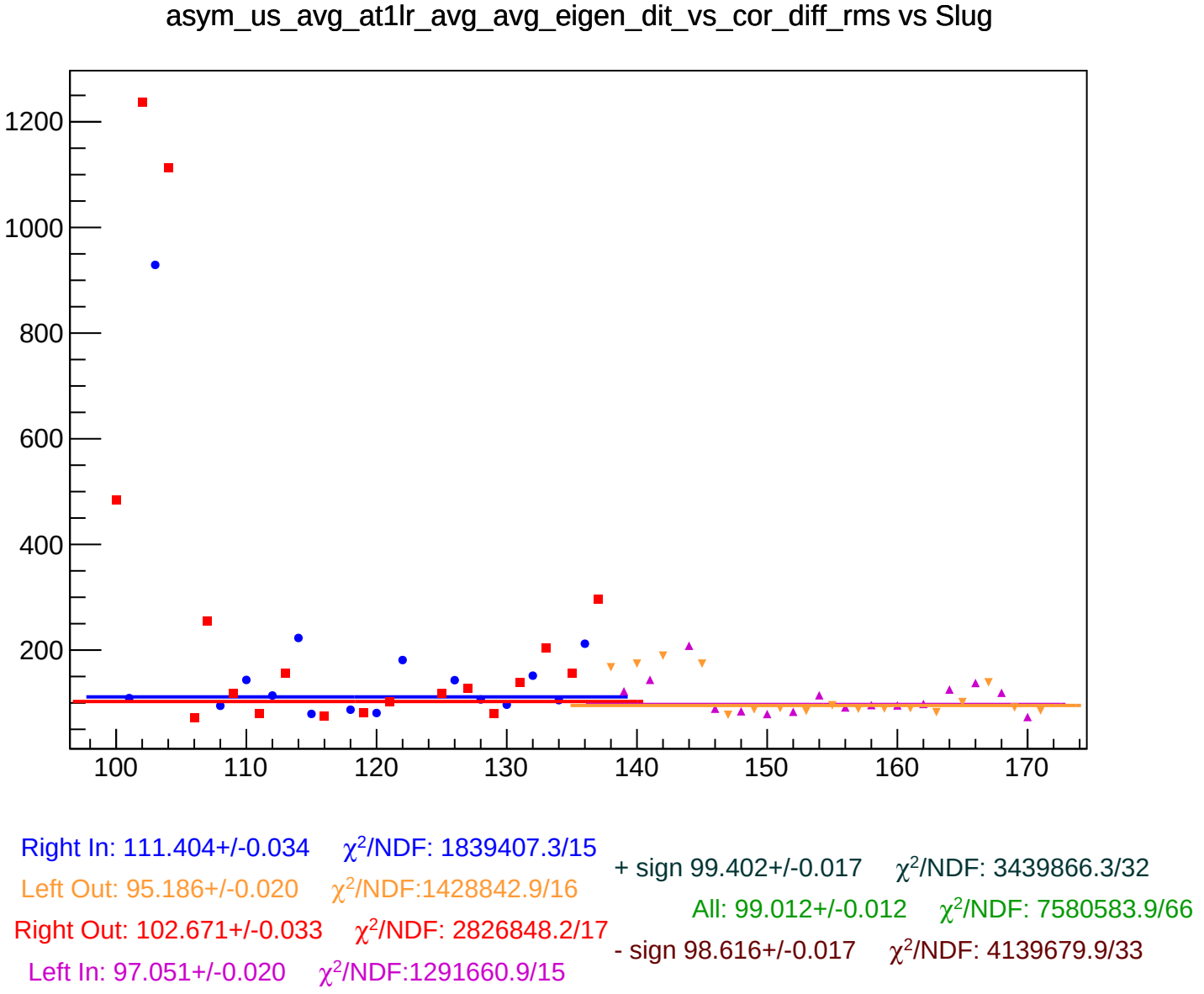
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: 0.034+/-0.029 χ^2/NDF:27.3/15

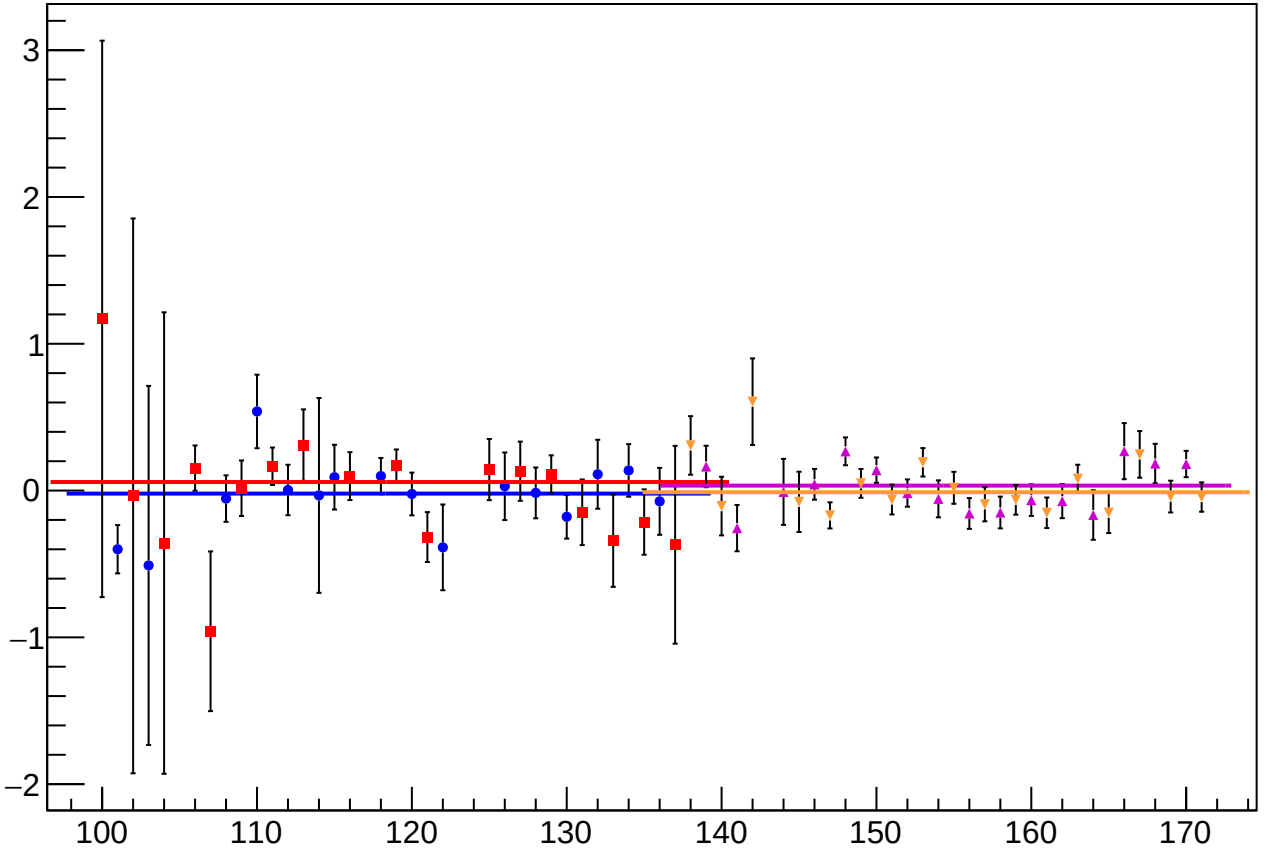
+ sign -0.014+/-0.024 χ^2/NDF: 38.5/32

All: 0.013+/-0.017 χ^2/NDF: 85.3/66

- sign 0.041+/-0.024 χ^2/NDF: 44.3/33


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
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 95.186+/-0.020 χ²/NDF:1428842.9/16
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.051+/-0.020 χ²/NDF:1291660.9/15
+ sign 99.402+/-0.017 χ²/NDF: 3439866.3/32
All: 99.012+/-0.012 χ²/NDF: 7580583.9/66
- sign 98.616+/-0.017 χ²/NDF: 4139679.9/33

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: -0.011+/-0.028 χ^2/NDF:22.9/16

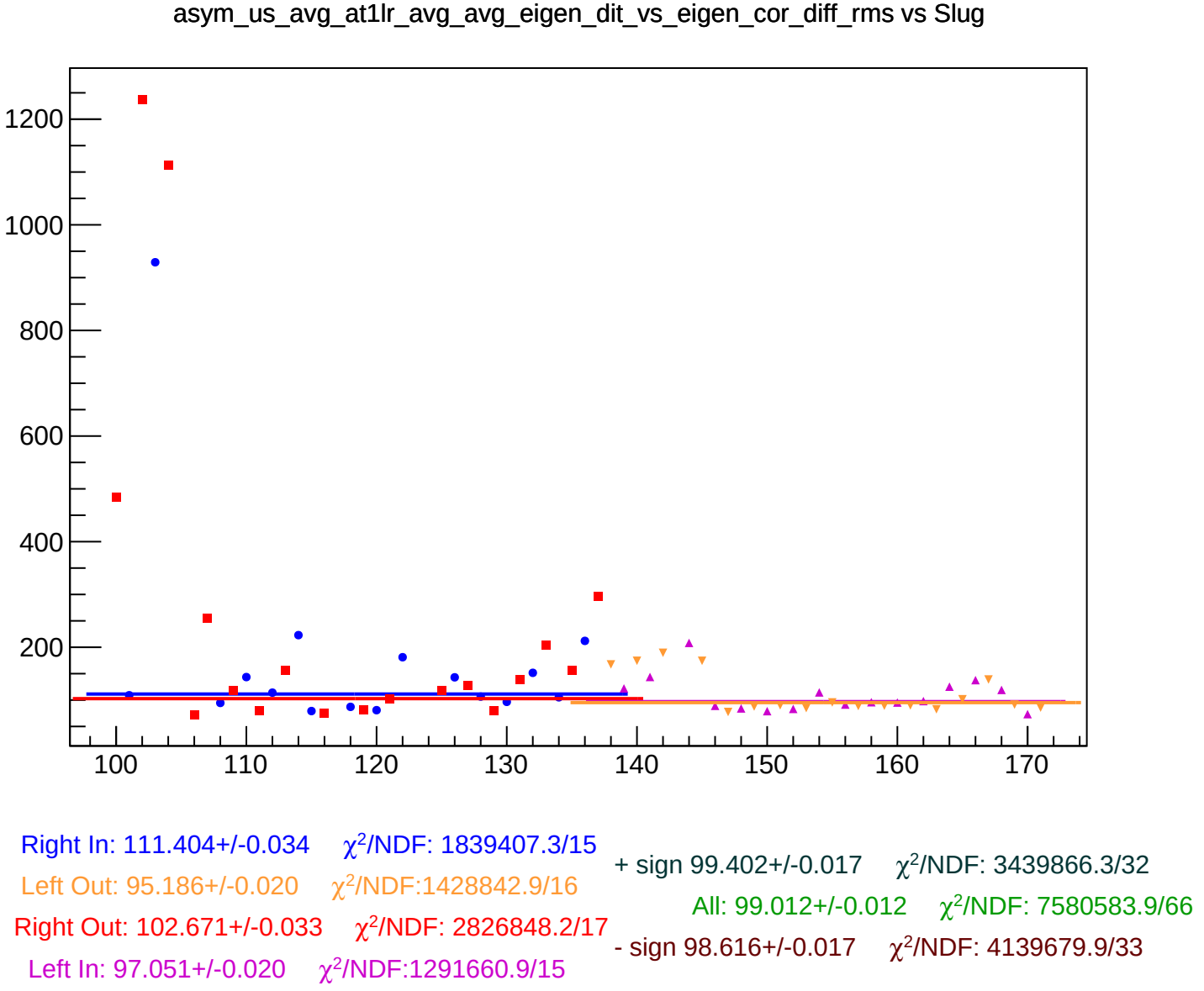
Right Out: 0.058+/-0.046 χ^2/NDF: 16.8/17

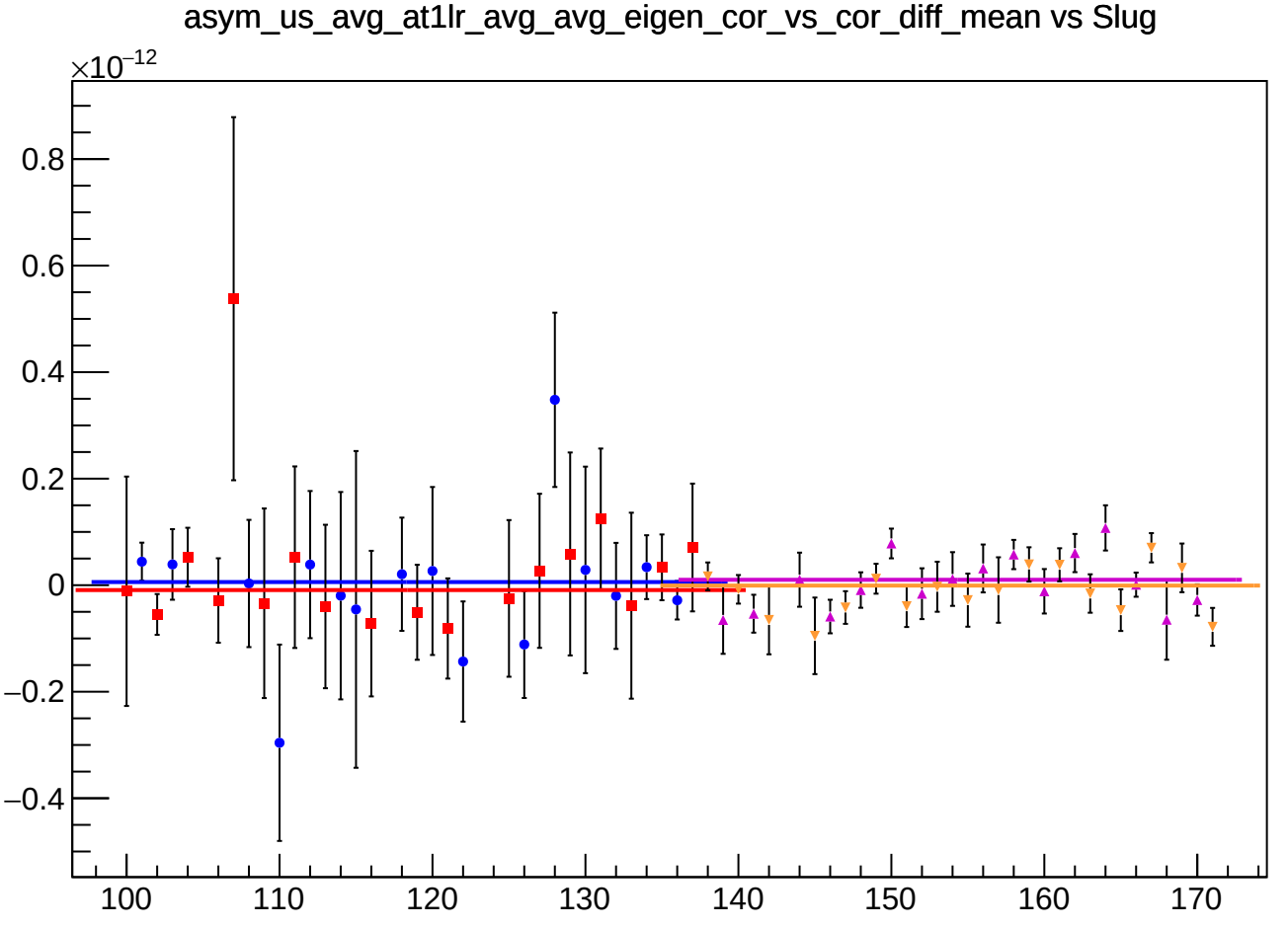
Left In: 0.034+/-0.029 χ^2/NDF:27.3/15

+ sign -0.014+/-0.024 χ^2/NDF: 38.5/32

All: 0.013+/-0.017 χ^2/NDF: 85.3/66

- sign 0.041+/-0.024 χ^2/NDF: 44.3/33


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
170
Right In: 111.404+/-0.034 χ²/NDF: 1839407.3/15
Left Out: 95.186+/-0.020 χ²/NDF:1428842.9/16
Right Out: 102.671+/-0.033 χ²/NDF: 2826848.2/17
Left In: 97.051+/-0.020 χ²/NDF:1291660.9/15
+ sign 99.402+/-0.017 χ²/NDF: 3439866.3/32
All: 99.012+/-0.012 χ²/NDF: 7580583.9/66
- sign 98.616+/-0.017 χ²/NDF: 4139679.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/16

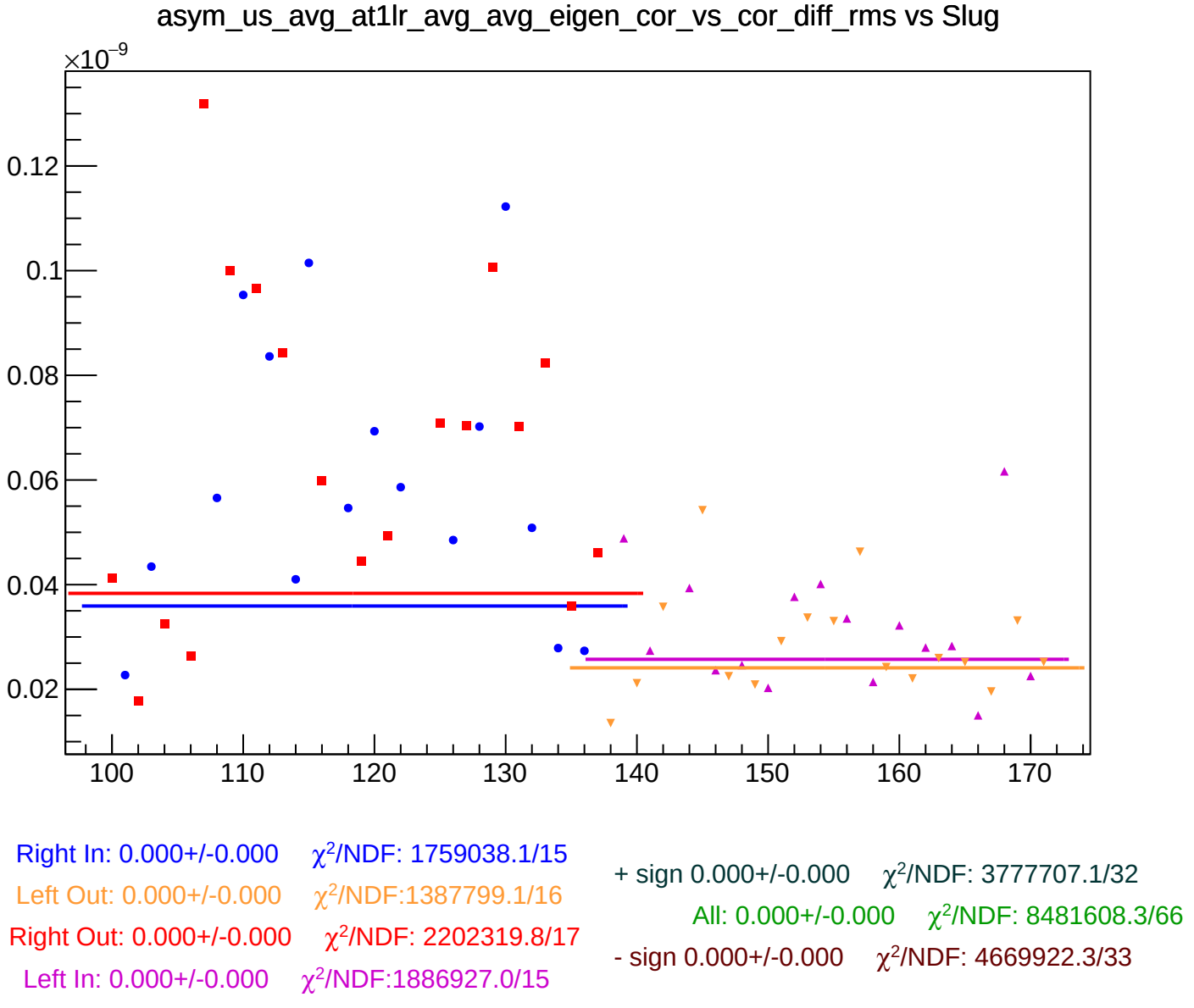
Right Out: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:29.5/15

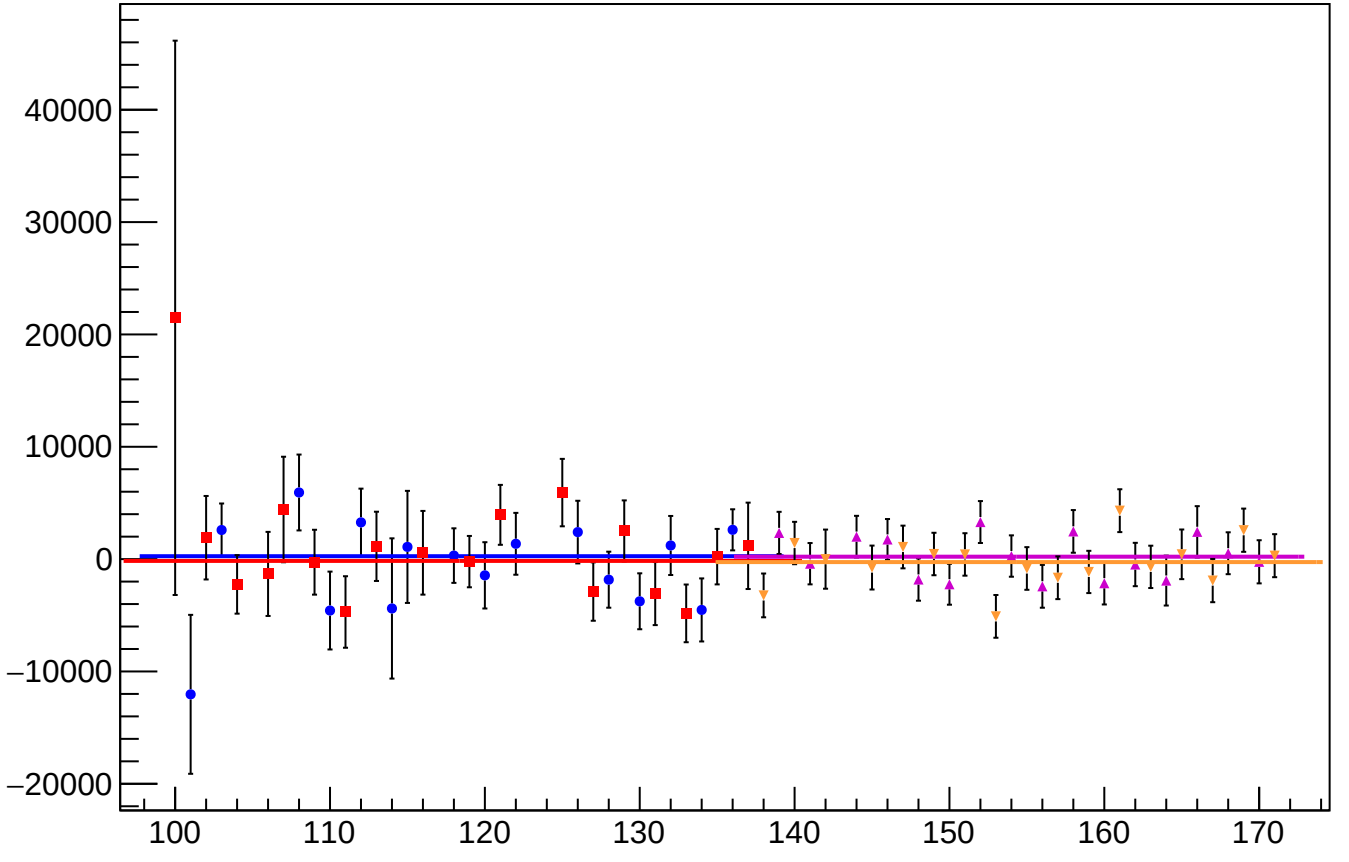
+ sign 0.000+/-0.000 χ^2/NDF: 36.2/32

All: 0.000+/-0.000 χ^2/NDF: 75.4/66

- sign 0.000+/-0.000 χ^2/NDF: 38.9/33


asym_us_avg_at1lr_avg_avg_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
170
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1387799.1/16
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:1886927.0/15
+ sign 0.000+/-0.000 χ²/NDF: 3777707.1/32
All: 0.000+/-0.000 χ²/NDF: 8481608.3/66
- sign 0.000+/-0.000 χ²/NDF: 4669922.3/33

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -263.962+/-472.728 χ^2/NDF:20.2/16

Right Out: -159.330+/-712.314 χ^2/NDF: 18.1/17

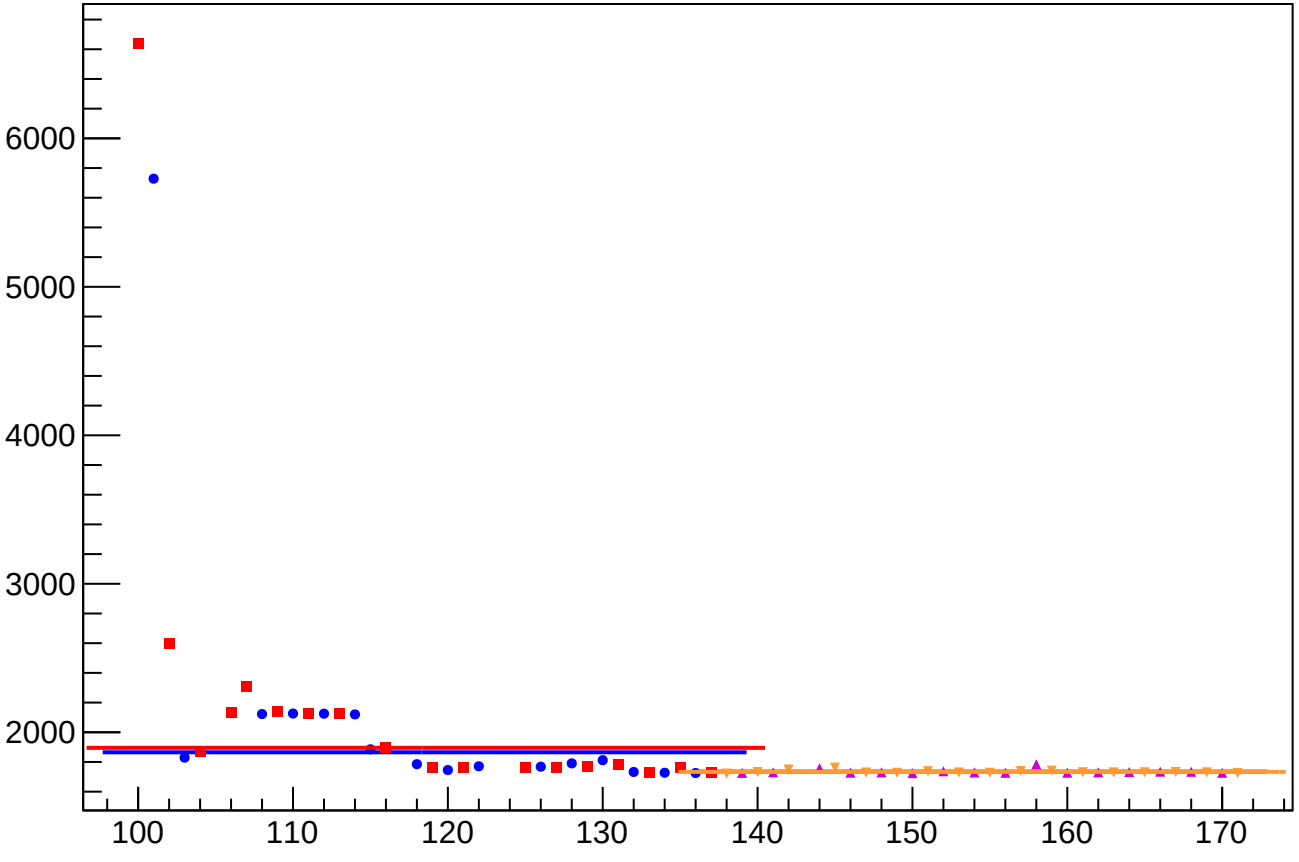
Left In: 216.559+/-477.242 χ^2/NDF:15.7/15

+ sign -103.087+/-393.437 χ^2/NDF: 40.0/32

All: -2.275+/-279.272 χ^2/NDF: 74.1/66

- sign 100.104+/-396.481 χ^2/NDF: 34.0/33

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.297+/-0.334 χ^2/NDF:739.0/16

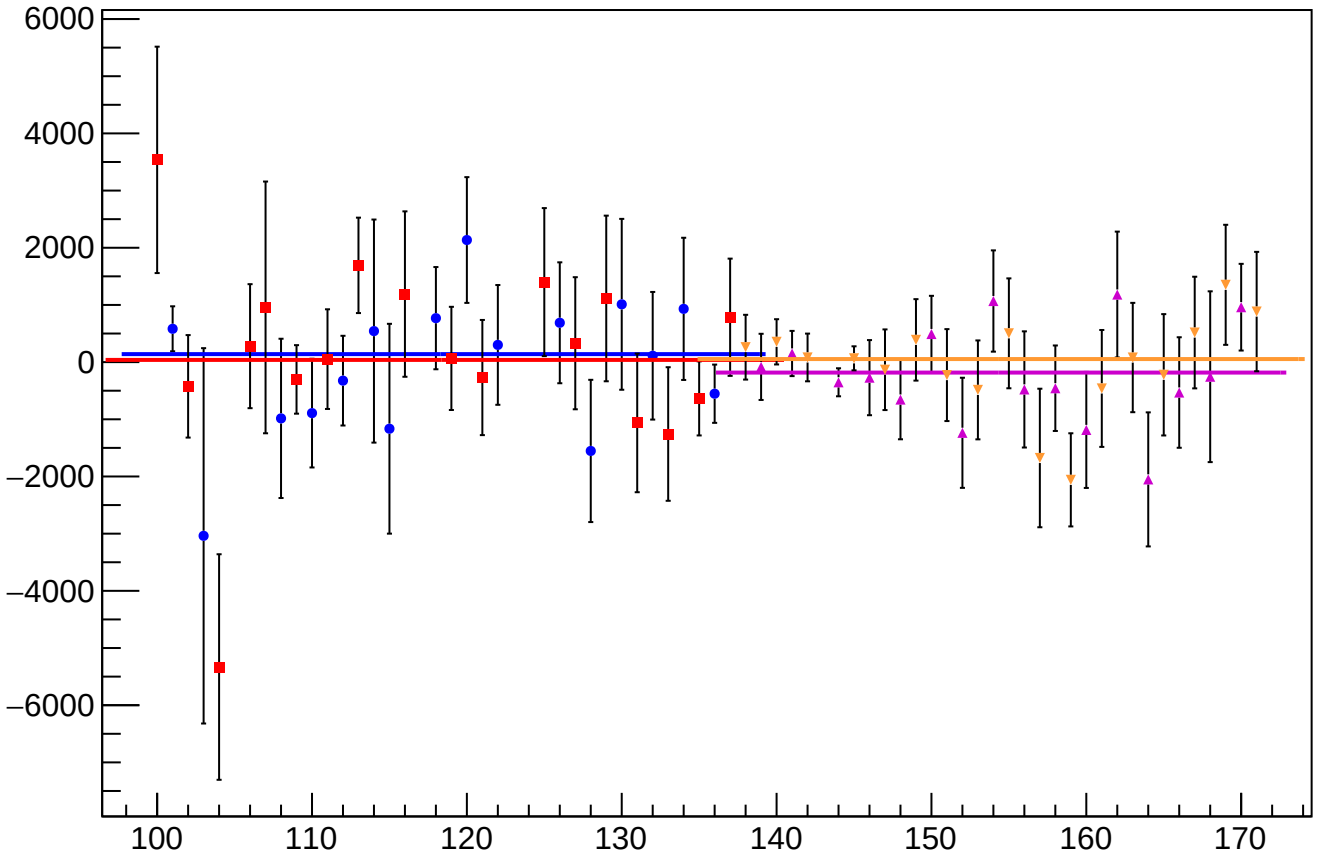
Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.305+/-0.337 χ^2/NDF:1923.2/15

+ sign 1773.825+/-0.278 χ^2/NDF: 721296.4/32

All: 1779.299+/-0.197 χ^2/NDF: 1044404.3/66

- sign 1784.858+/-0.280 χ^2/NDF: 322327.5/33



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 53.567+/-136.216 χ^2/NDF:13.2/16

Right Out: 38.629+/-238.253 χ^2/NDF: 21.4/17

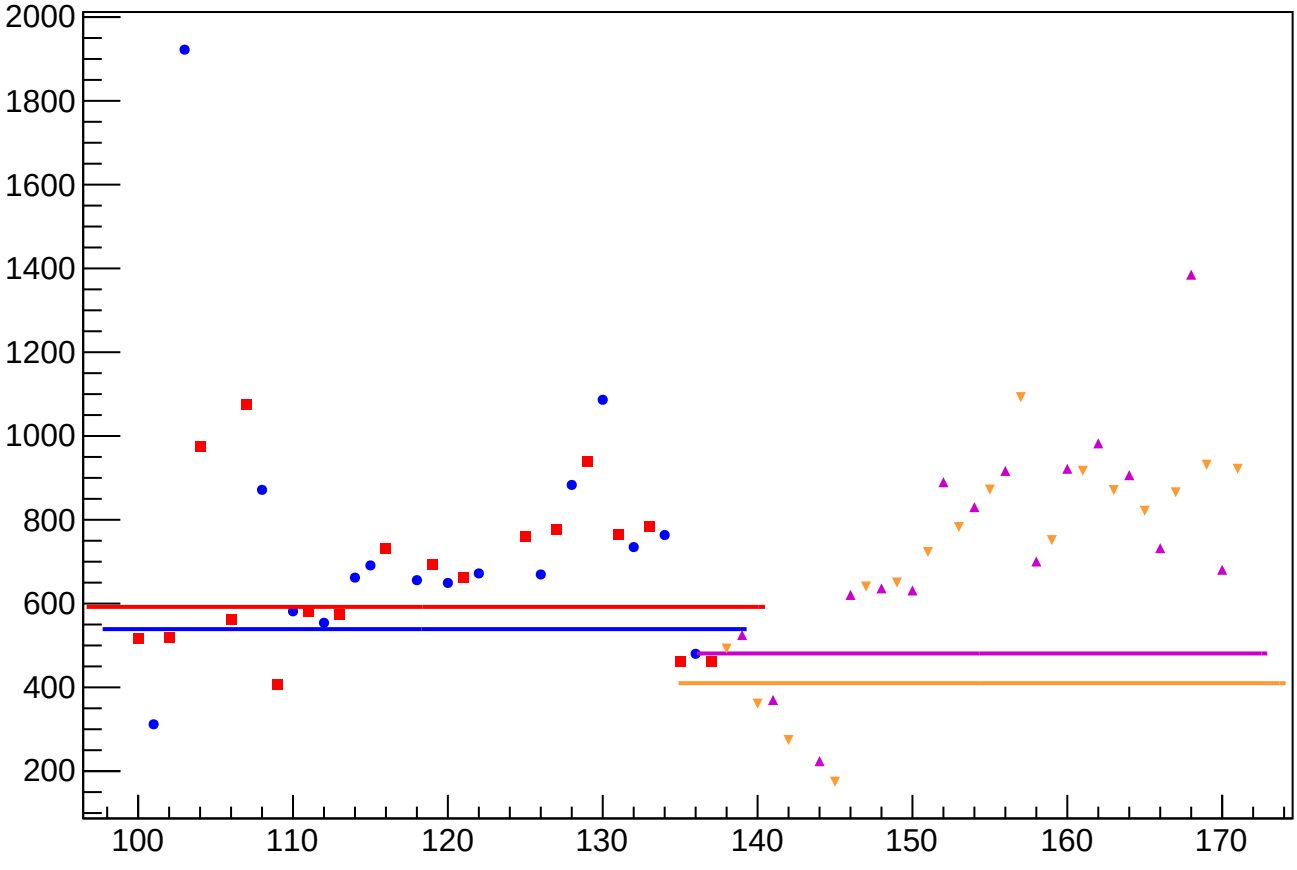
Left In: -182.990+/-151.503 χ^2/NDF:13.6/15

+ sign 77.448+/-115.828 χ^2/NDF: 26.8/32

All: -11.193+/-85.838 χ^2/NDF: 63.7/66

- sign -119.179+/-127.845 χ^2/NDF: 35.6/33

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 410.055+/-0.096 χ^2/NDF:8028684.7/16

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

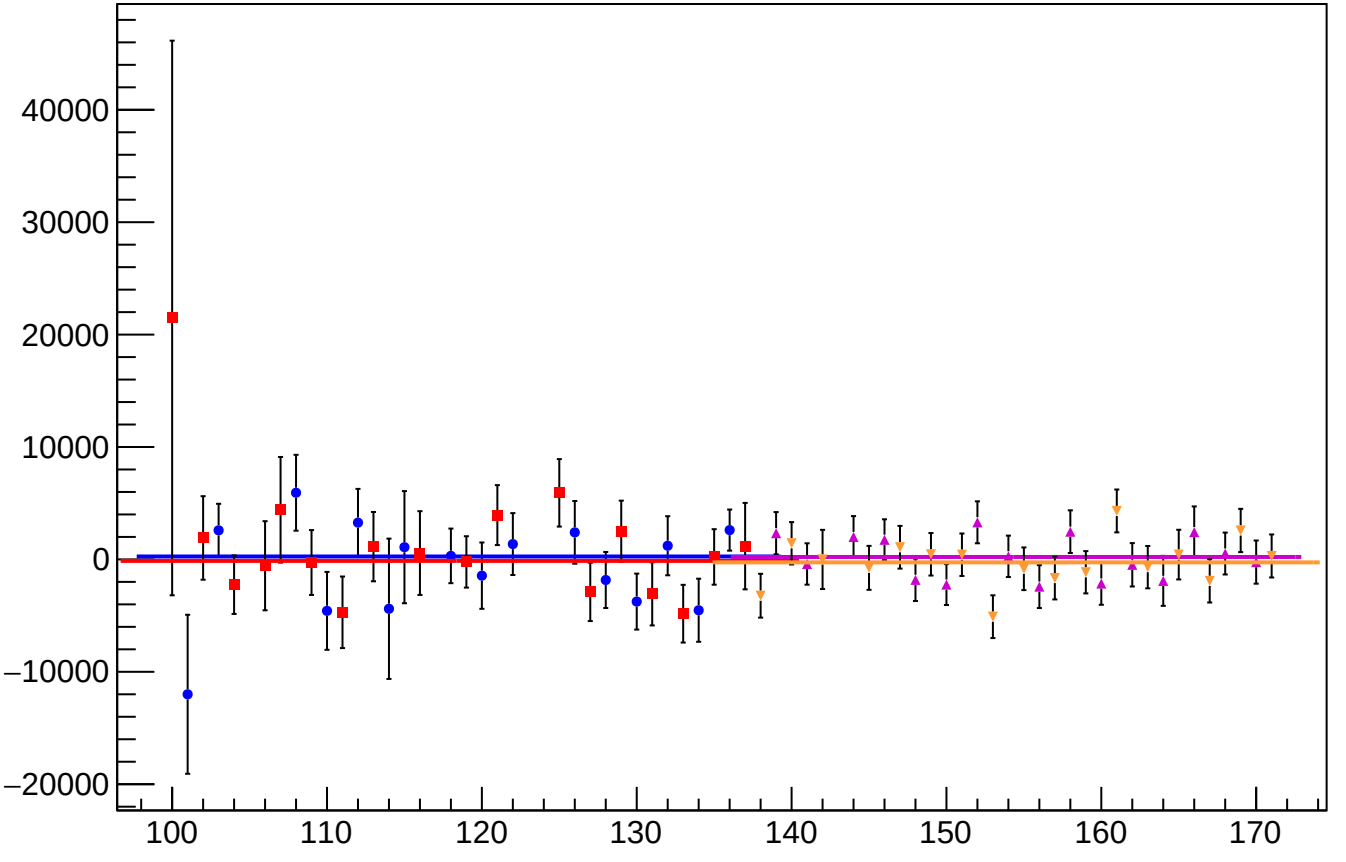
Left In: 480.937+/-0.107 χ^2/NDF:5938233.2/15

+ sign 445.769+/-0.082 χ^2/NDF: 10379718.9/32

All: 476.052+/-0.061 χ^2/NDF: 17774301.2/66

- sign 512.944+/-0.090 χ^2/NDF: 7091329.6/33

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -263.937+/-472.728 χ^2/NDF:20.2/16

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

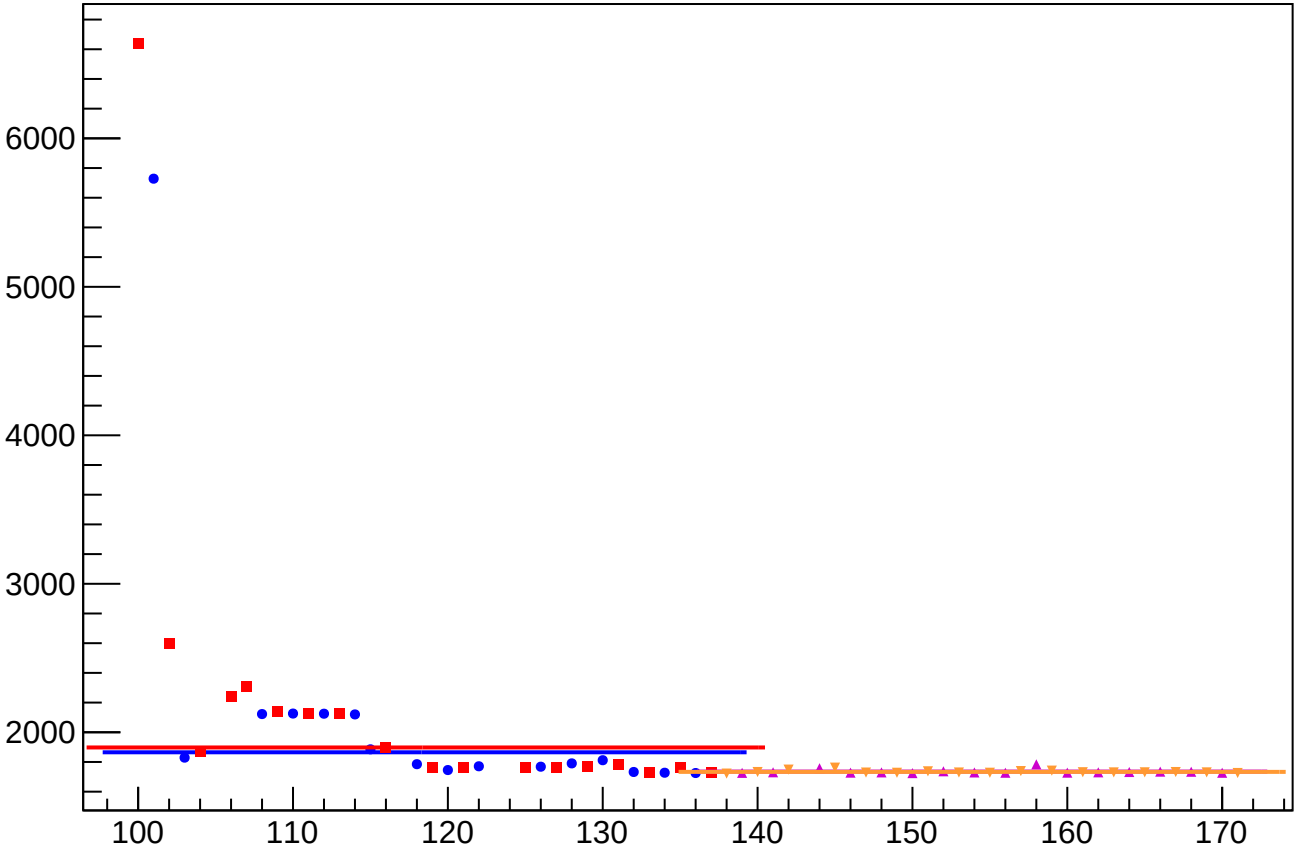
Left In: 216.564+/-477.242 χ^2/NDF:15.7/15

+ sign -103.012+/-393.437 χ^2/NDF: 40.0/32

All: 2.346+/-279.357 χ^2/NDF: 73.9/66

- sign 109.471+/-396.723 χ^2/NDF: 33.8/33

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.297+/-0.334 χ^2/NDF:739.0/16

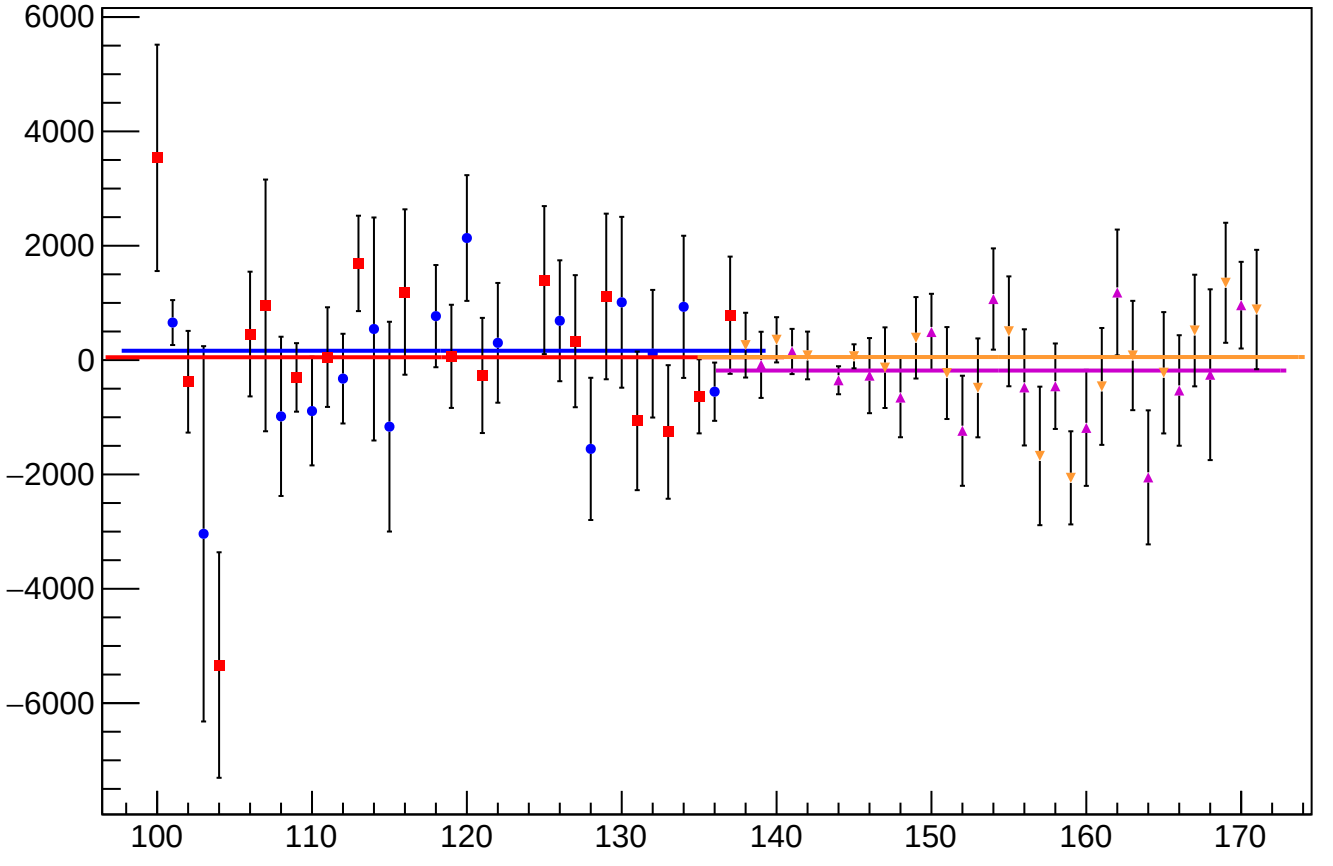
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.305+/-0.337 χ^2/NDF:1923.2/15

+ sign 1773.825+/-0.278 χ^2/NDF: 721296.3/32

All: 1779.604+/-0.198 χ^2/NDF: 1053375.8/66

- sign 1785.480+/-0.281 χ^2/NDF: 331209.3/33



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 53.432+/-136.218 χ^2/NDF:13.2/16

Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

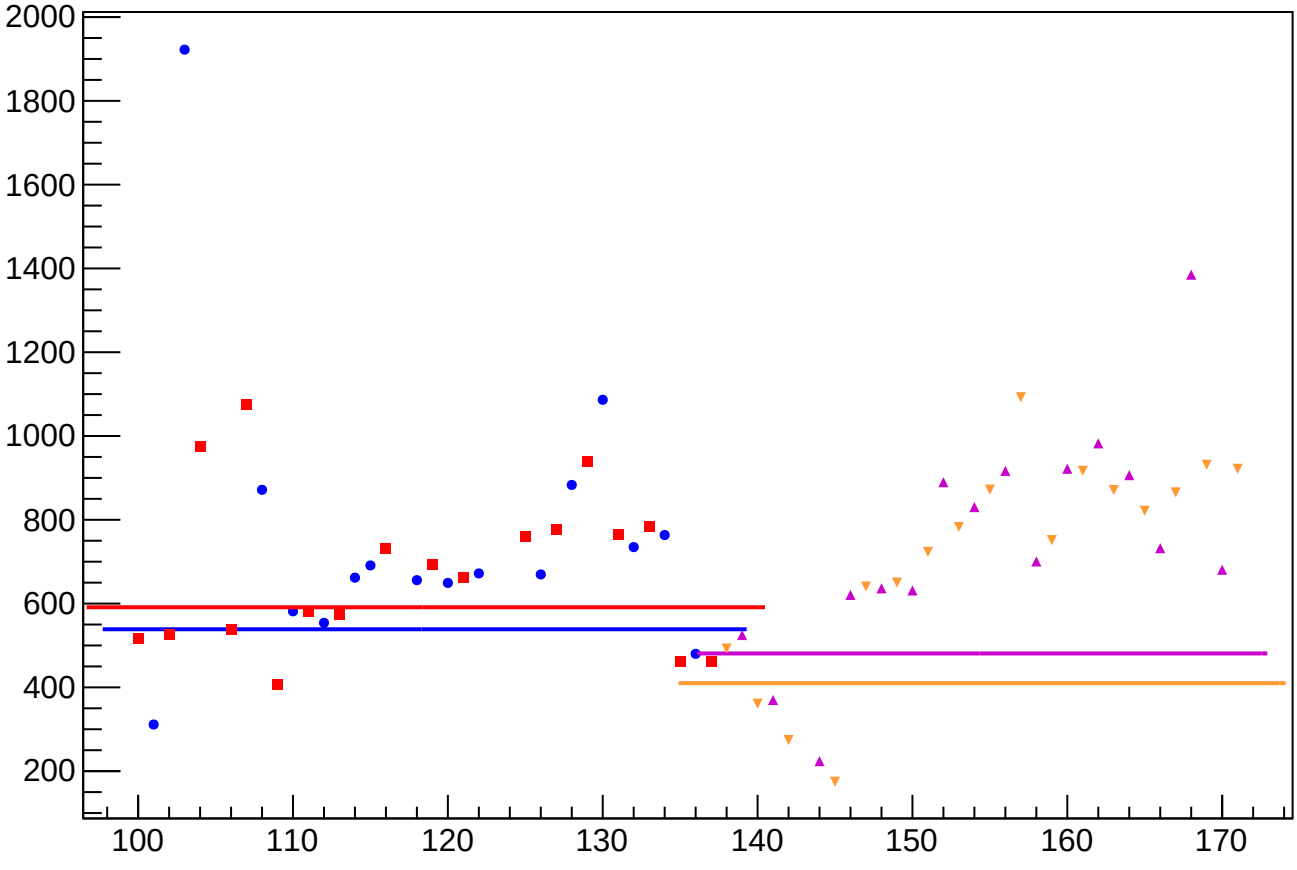
Left In: -182.991+/-151.504 χ^2/NDF:13.6/15

+ sign 83.833+/-115.819 χ^2/NDF: 27.3/32

All: -6.248+/-85.831 χ^2/NDF: 64.4/66

- sign -115.993+/-127.837 χ^2/NDF: 35.7/33

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 410.064+/-0.096 χ^2/NDF:8028370.6/16

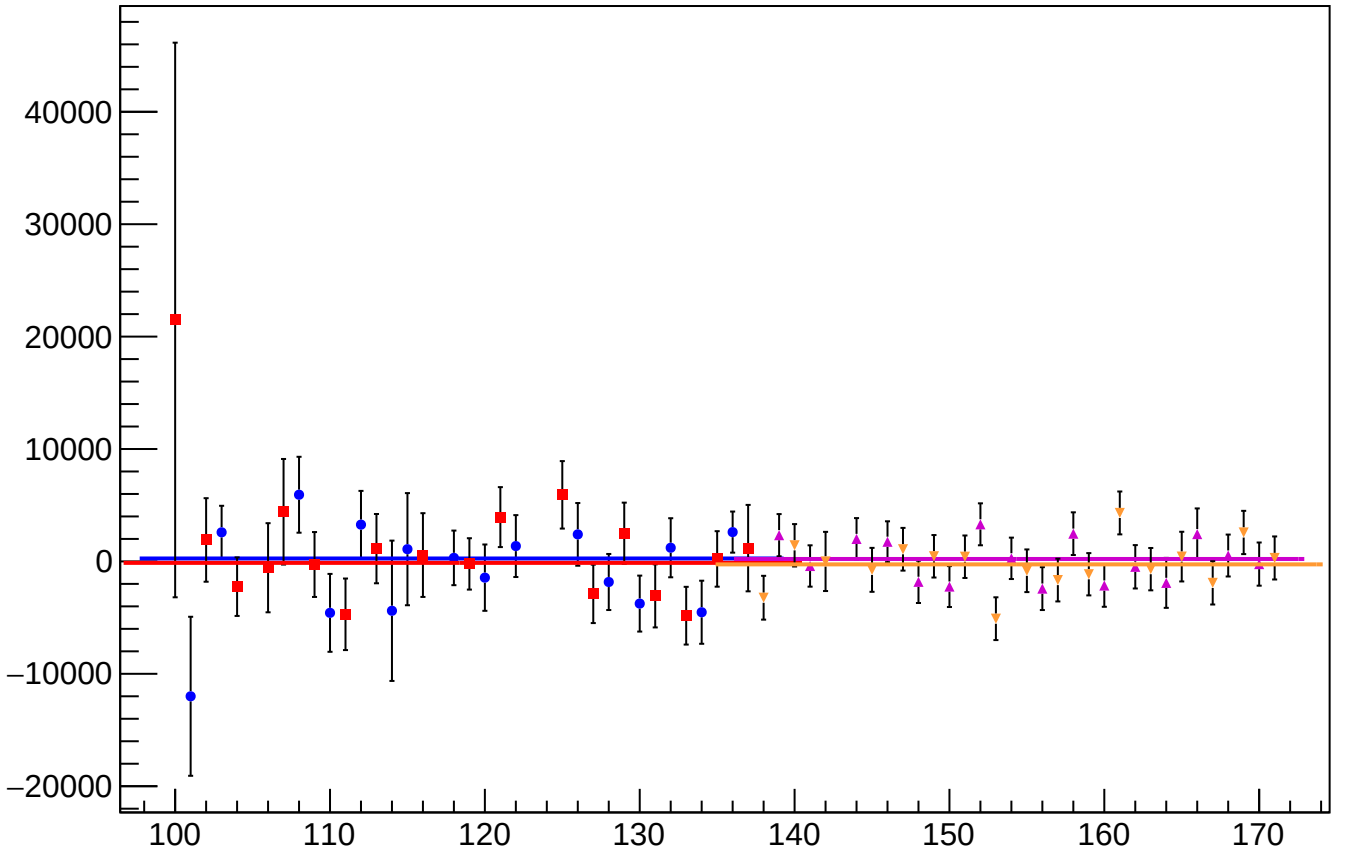
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 480.945+/-0.107 χ^2/NDF:5937857.9/15

+ sign 445.708+/-0.082 χ^2/NDF: 10381484.9/32

All: 475.914+/-0.061 χ^2/NDF: 17770954.5/66

- sign 512.713+/-0.090 χ^2/NDF: 7087704.4/33



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -263.937+/-472.728 χ^2/NDF:20.2/16

Right Out: -130.049+/-713.724 χ^2/NDF: 18.0/17

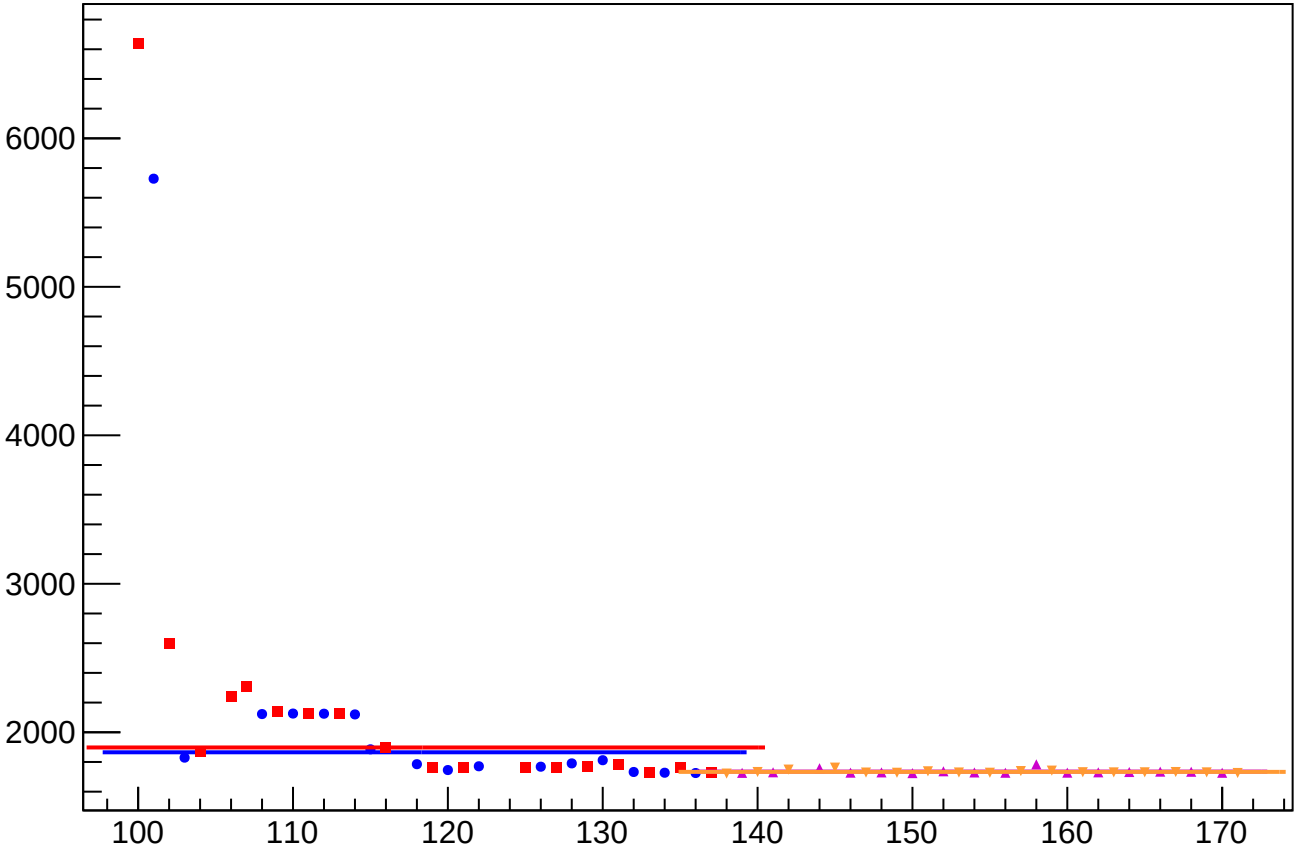
Left In: 216.564+/-477.242 χ^2/NDF:15.7/15

+ sign -103.012+/-393.437 χ^2/NDF: 40.0/32

All: 2.346+/-279.357 χ^2/NDF: 73.9/66

- sign 109.471+/-396.723 χ^2/NDF: 33.8/33

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: 1733.297+/-0.334 χ^2/NDF:739.0/16

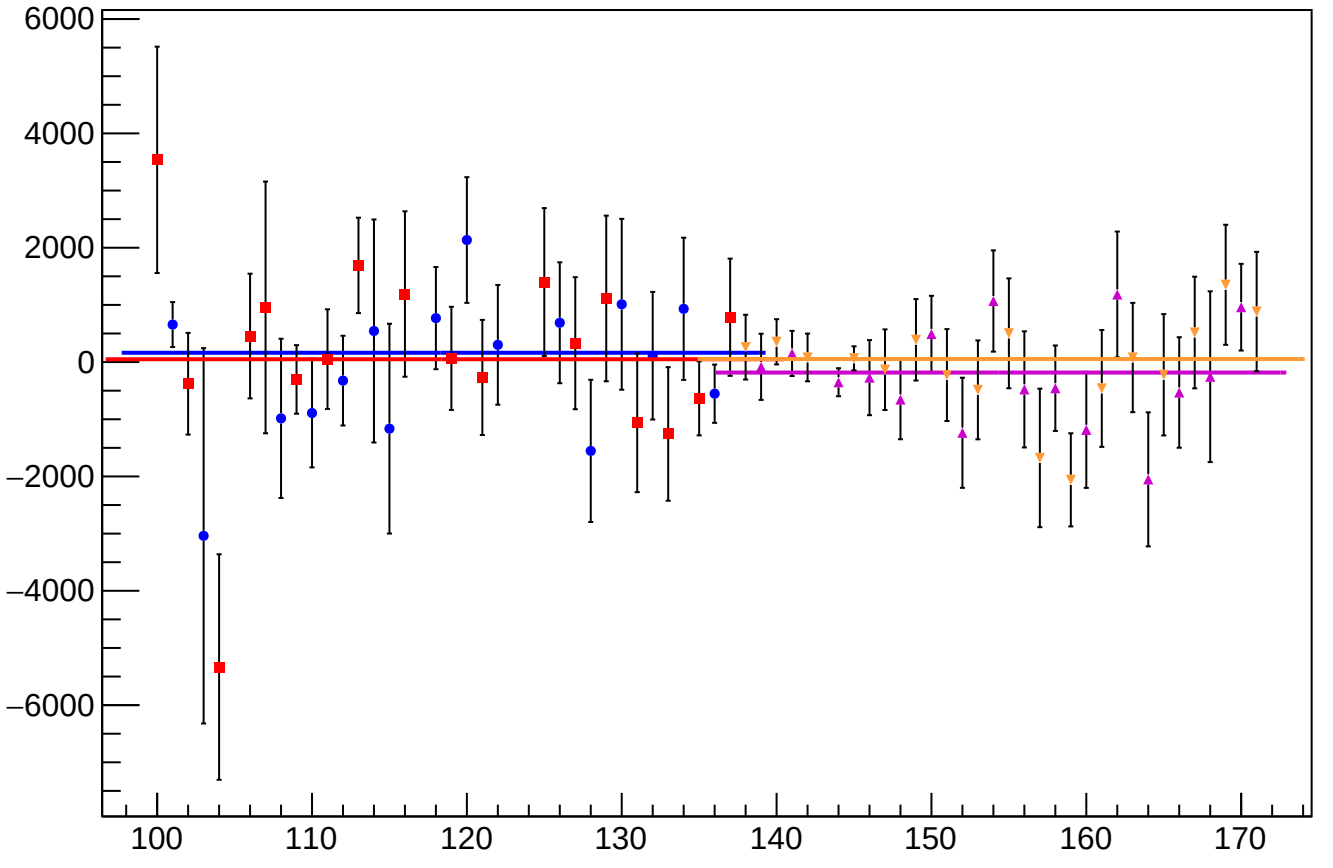
Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.305+/-0.337 χ^2/NDF:1923.2/15

+ sign 1773.825+/-0.278 χ^2/NDF: 721296.3/32

All: 1779.604+/-0.198 χ^2/NDF: 1053375.8/66

- sign 1785.480+/-0.281 χ^2/NDF: 331209.3/33



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 53.432+/-136.218 χ^2/NDF:13.2/16

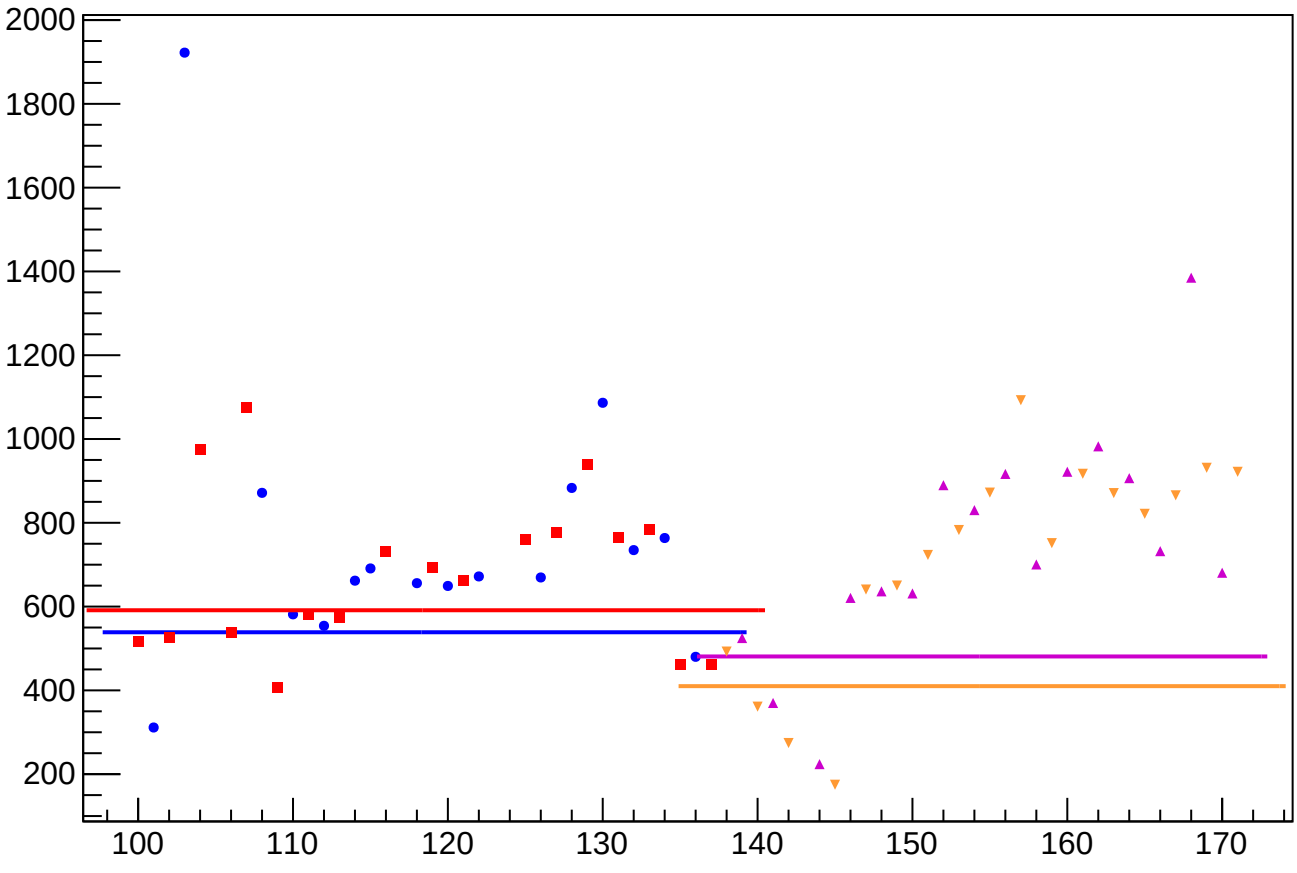
Right Out: 49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: -182.991+/-151.504 χ^2/NDF:13.6/15

+ sign 83.833+/-115.819 χ^2/NDF: 27.3/32

All: -6.248+/-85.831 χ^2/NDF: 64.4/66

- sign -115.993+/-127.837 χ^2/NDF: 35.7/33



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 410.064+/-0.096 χ^2/NDF:8028370.6/16

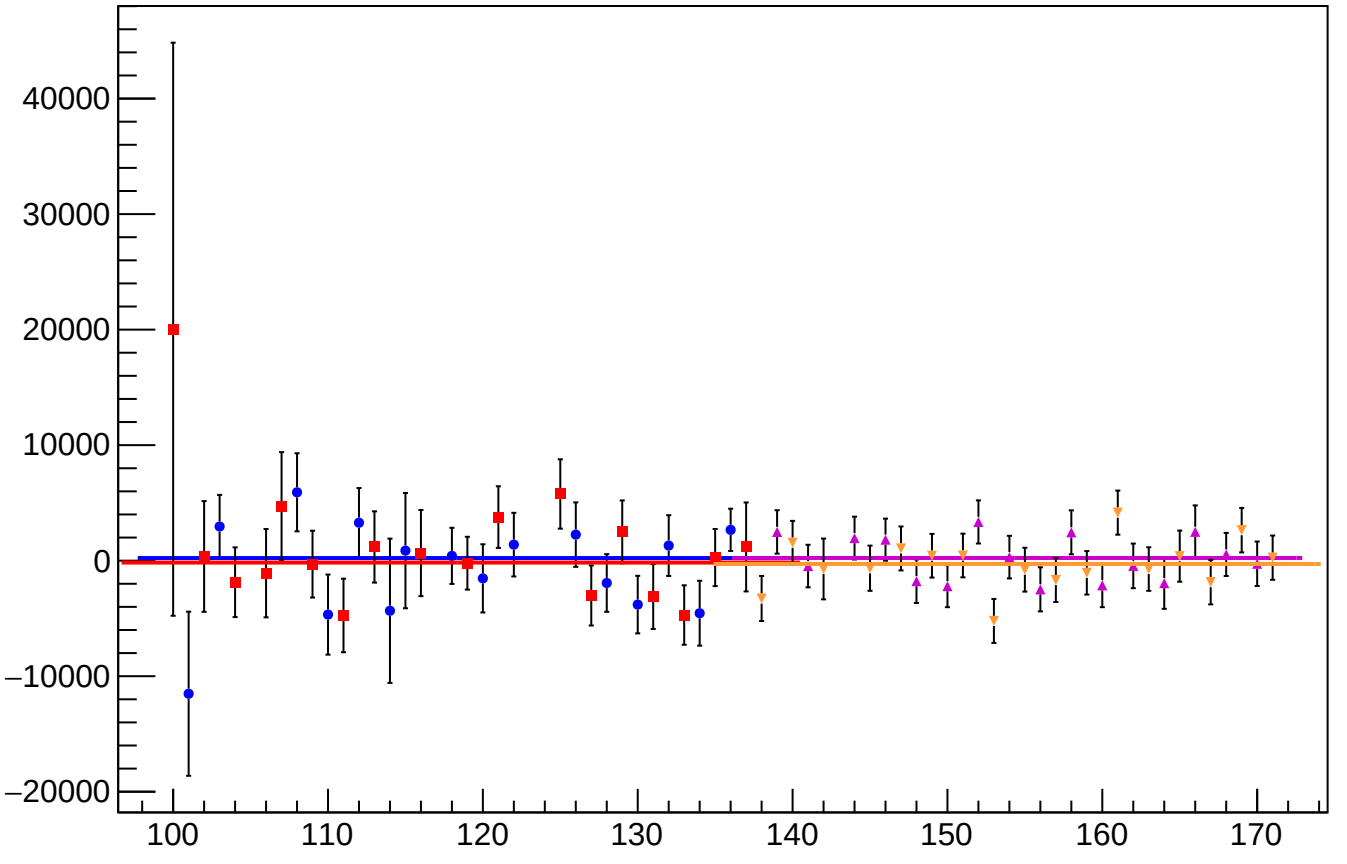
Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 480.945+/-0.107 χ^2/NDF:5937857.9/15

+ sign 445.708+/-0.082 χ^2/NDF: 10381484.9/32

All: 475.914+/-0.061 χ^2/NDF: 17770954.5/66

- sign 512.713+/-0.090 χ^2/NDF: 7087704.4/33



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -285.260+/-473.047 χ^2/NDF:20.3/16

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

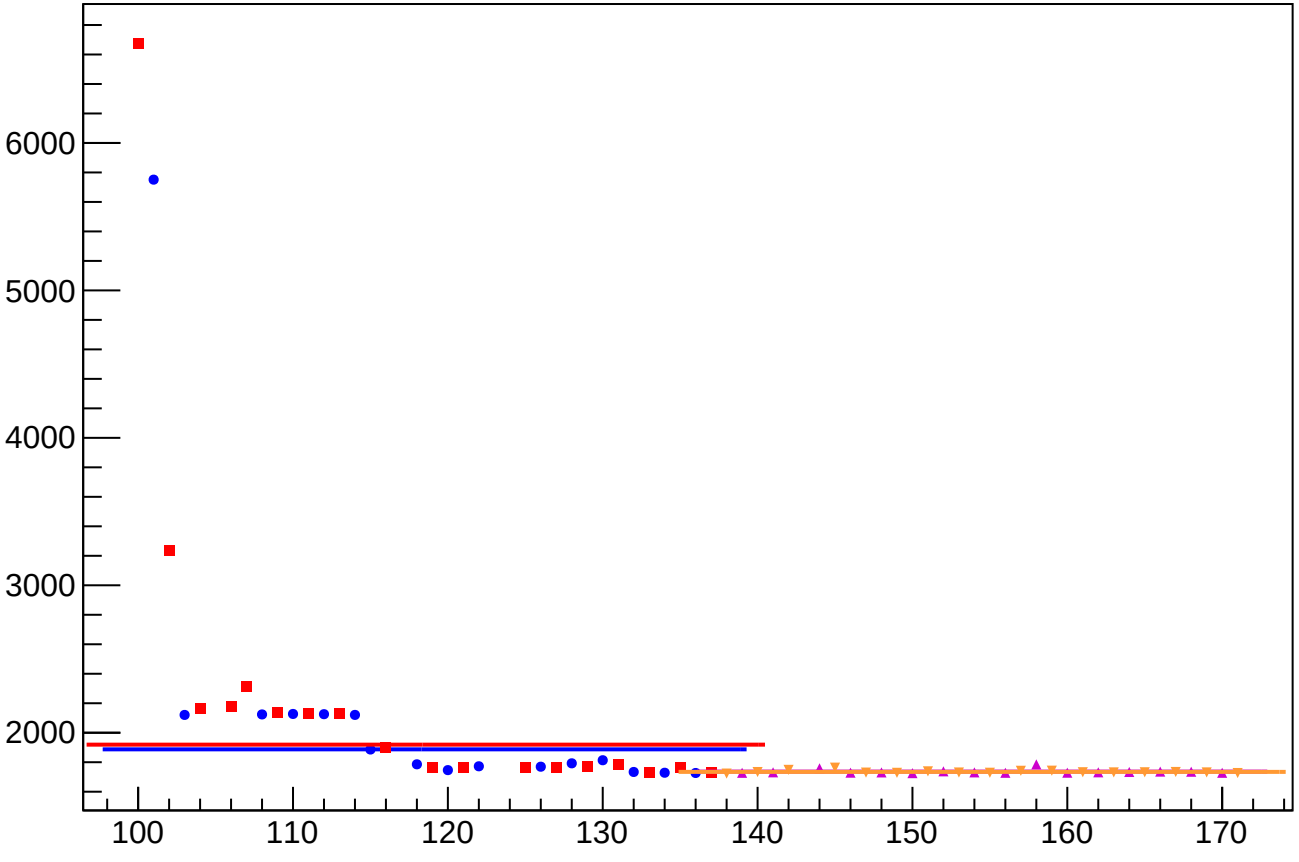
Left In: 233.515+/-477.552 χ^2/NDF:16.0/15

+ sign -130.609+/-395.112 χ^2/NDF: 40.0/32

All: -9.730+/-280.731 χ^2/NDF: 73.5/66

- sign 113.503+/-398.942 χ^2/NDF: 33.3/33

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.461+/-0.334 χ^2/NDF:746.5/16

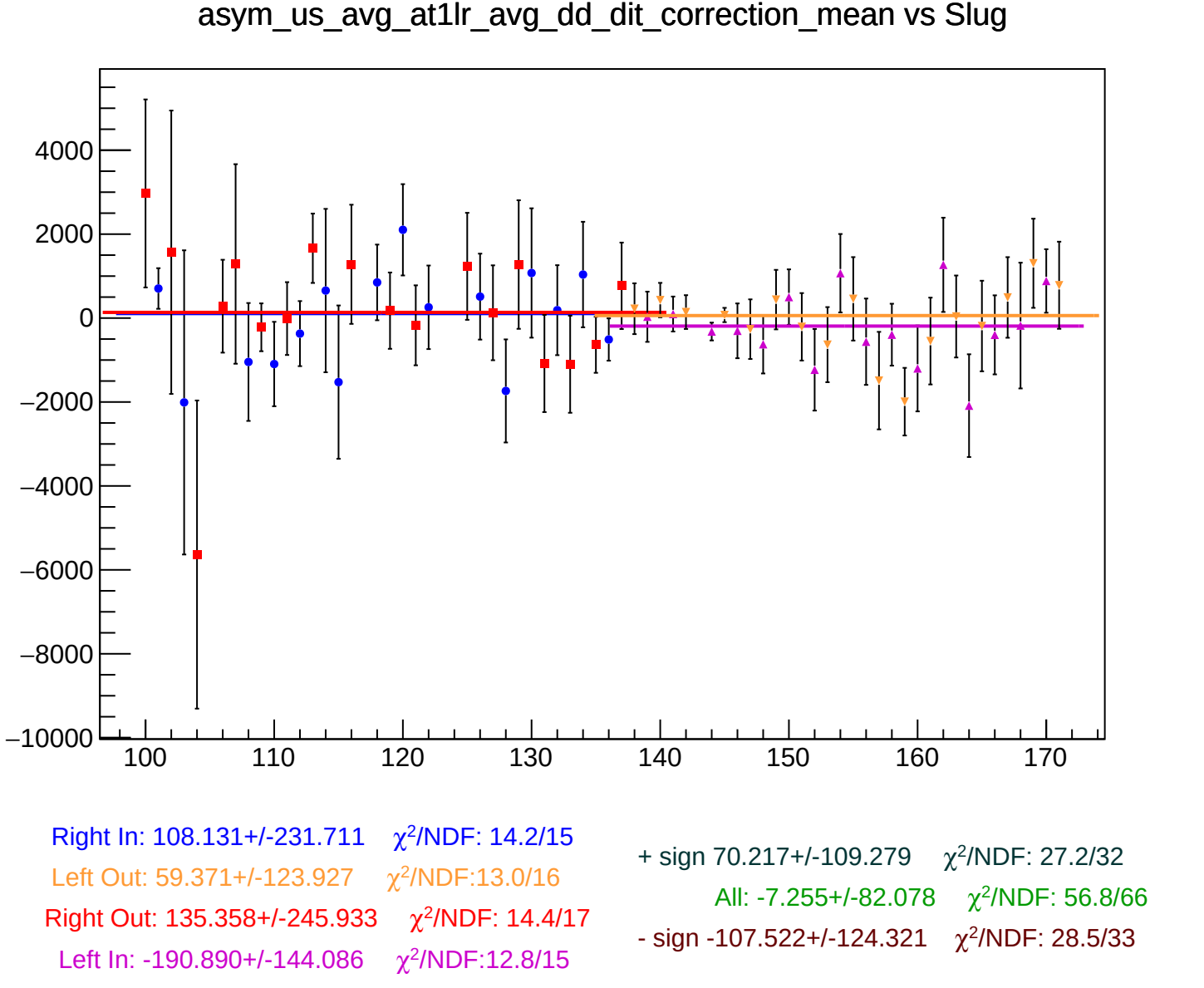
Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

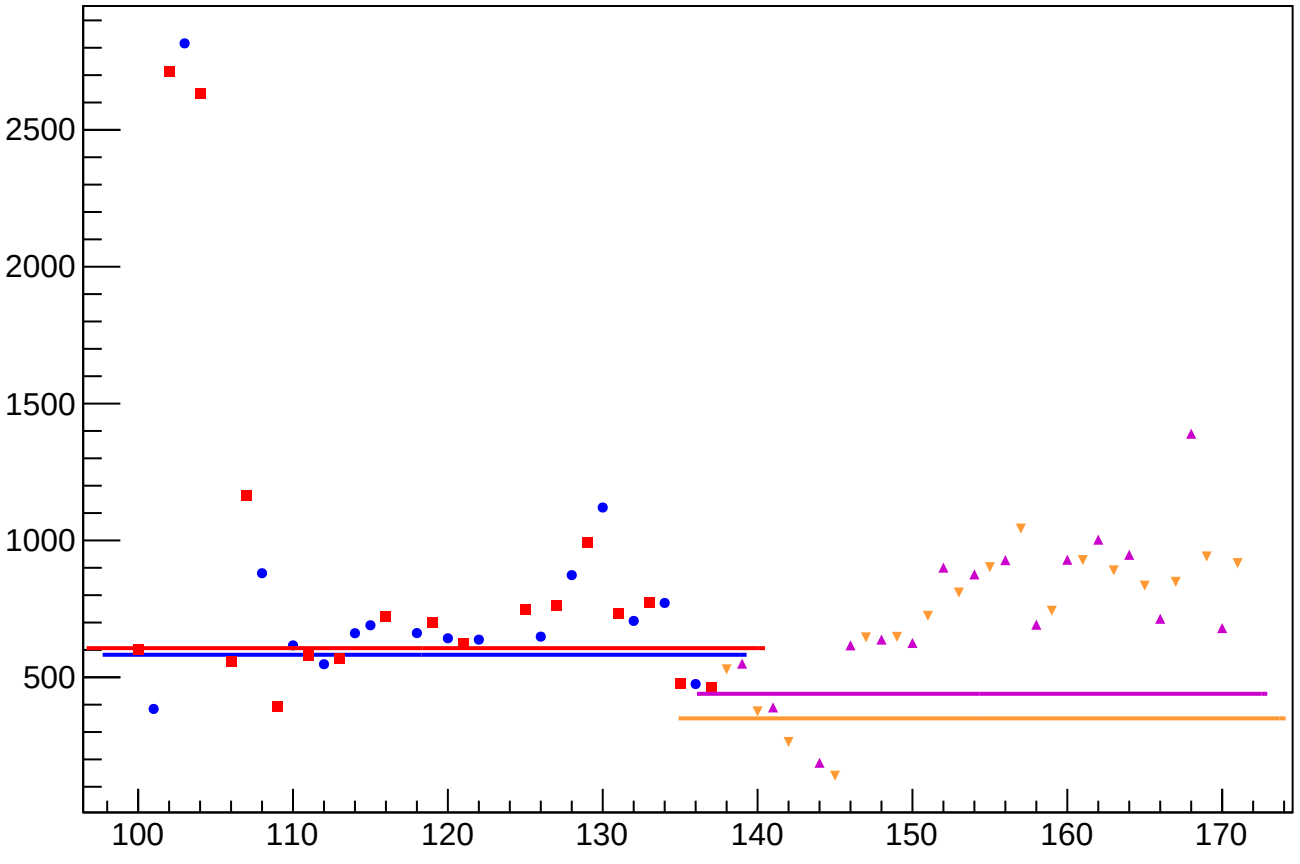
Left In: 1736.428+/-0.338 χ^2/NDF:1922.7/15

+ sign 1780.676+/-0.279 χ^2/NDF: 753323.3/32

All: 1786.104+/-0.199 χ^2/NDF: 1197051.1/66

- sign 1791.638+/-0.282 χ^2/NDF: 442965.5/33


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 108.131+/-231.711 χ²/NDF: 14.2/15
Left Out: 59.371+/-123.927 χ²/NDF:13.0/16
Right Out: 135.358+/-245.933 χ²/NDF: 14.4/17
Left In: -190.890+/-144.086 χ²/NDF:12.8/15
+ sign 70.217+/-109.279 χ²/NDF: 27.2/32
All: -7.255+/-82.078 χ²/NDF: 56.8/66
- sign -107.522+/-124.321 χ²/NDF: 28.5/33



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 349.942+/-0.088 χ^2/NDF:10170811.9/16

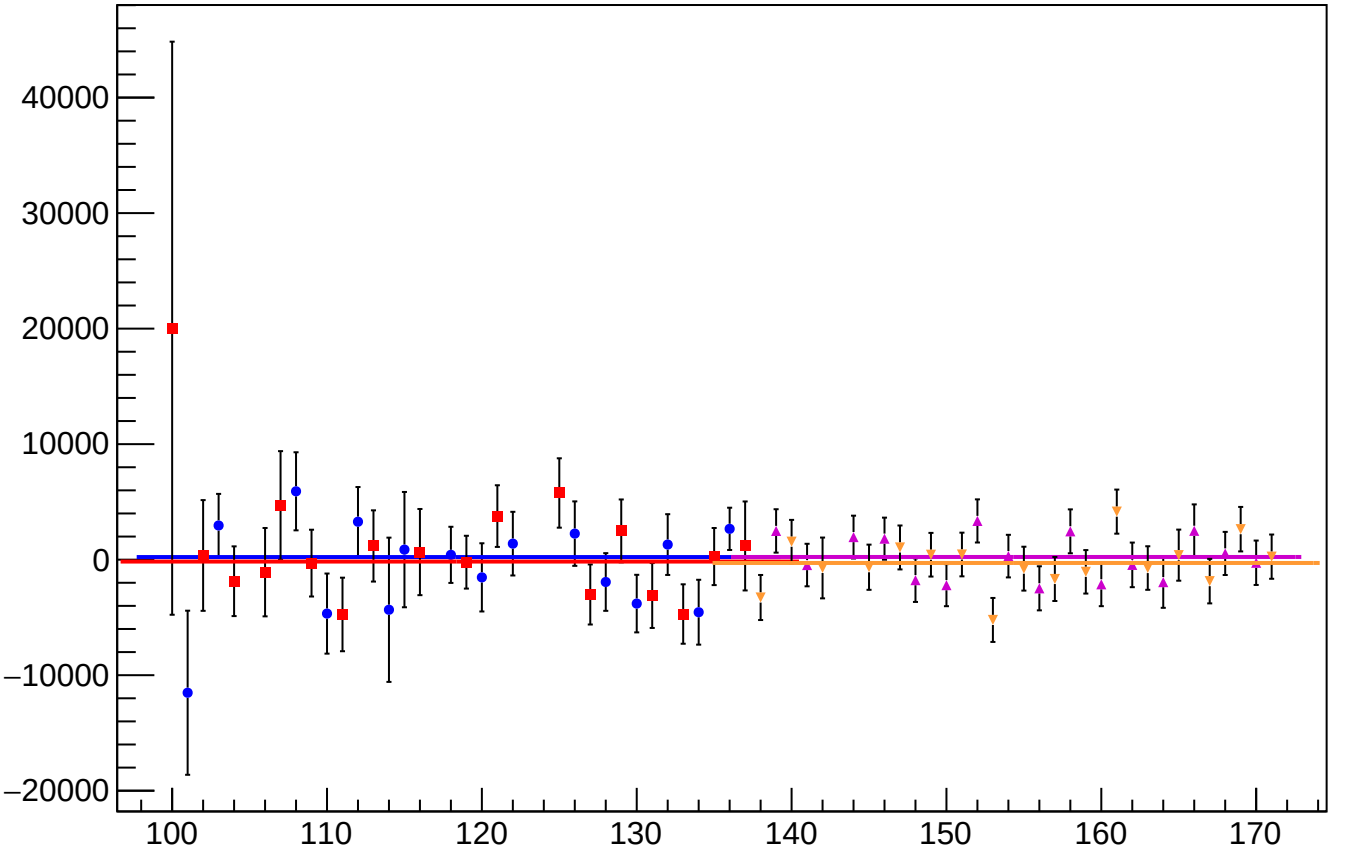
Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 439.677+/-0.102 χ^2/NDF:7430284.5/15

+ sign 401.617+/-0.077 χ^2/NDF: 13488562.6/32

All: 436.782+/-0.058 χ^2/NDF: 24277064.0/66

- sign 482.294+/-0.088 χ^2/NDF: 10313374.8/33



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -285.264+/-473.047 χ^2/NDF:20.3/16

Right Out: -163.711+/-725.798 χ^2/NDF: 17.0/17

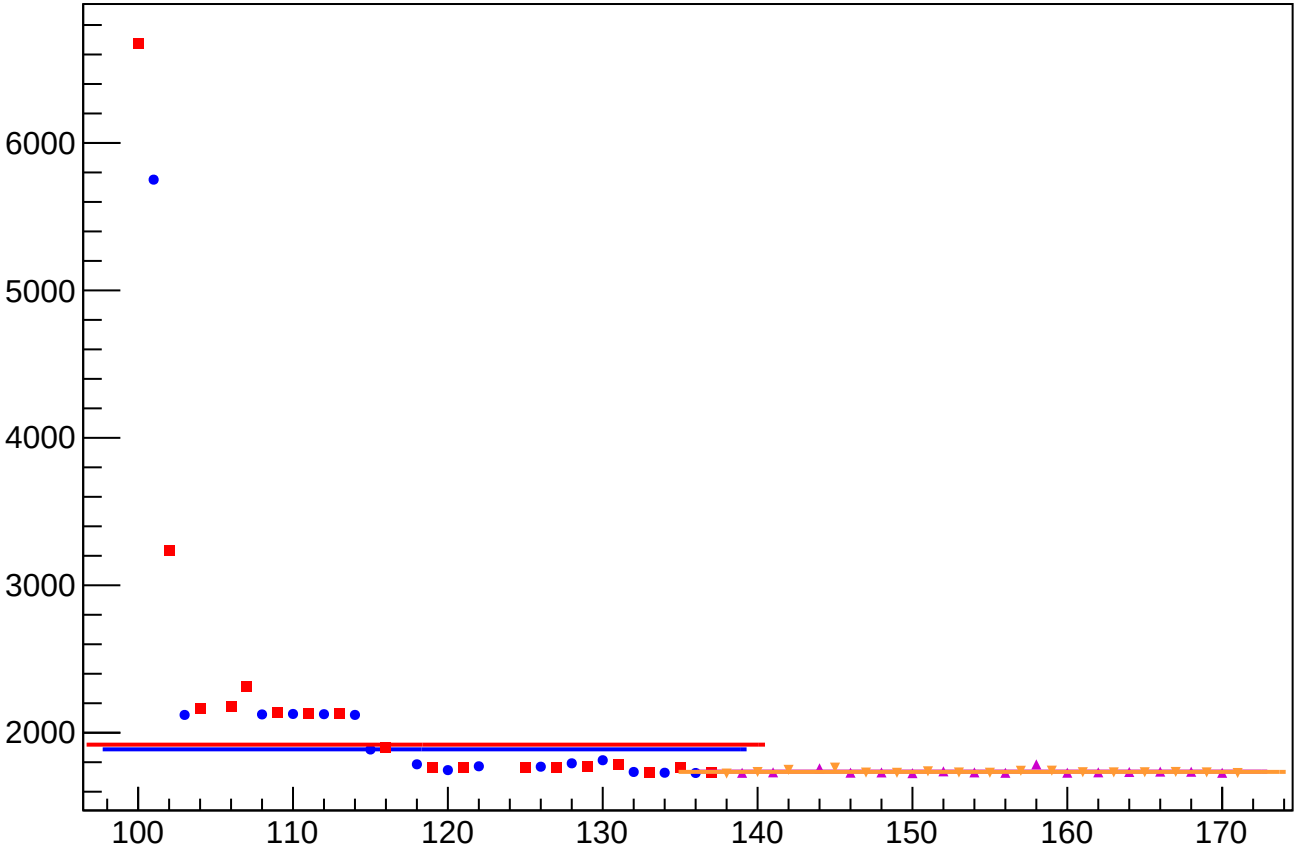
Left In: 233.513+/-477.552 χ^2/NDF:16.0/15

+ sign -130.611+/-395.112 χ^2/NDF: 40.0/32

All: -9.732+/-280.731 χ^2/NDF: 73.5/66

- sign 113.502+/-398.942 χ^2/NDF: 33.3/33

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: 1734.461+/-0.334 χ^2/NDF:746.5/16

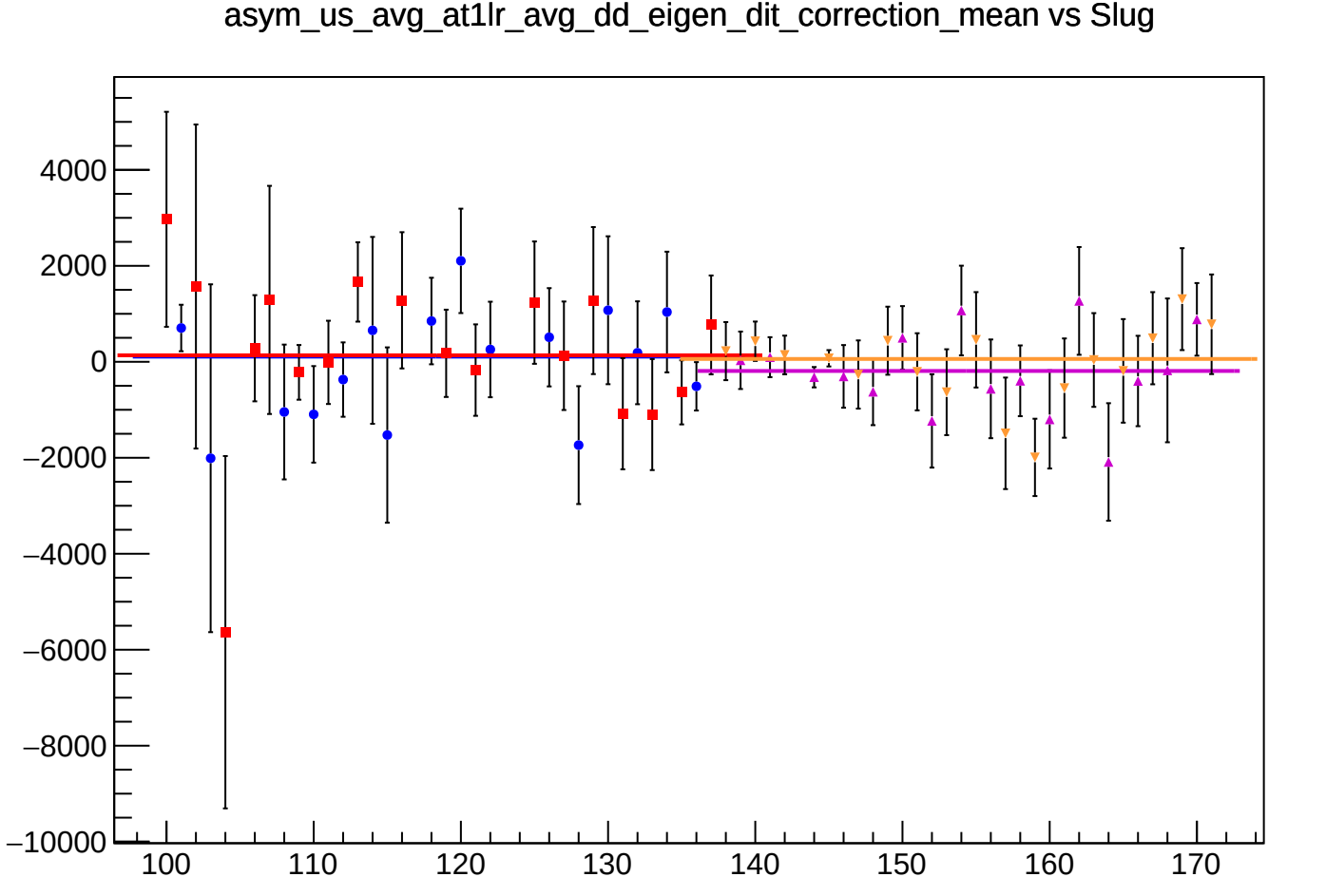
Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.428+/-0.338 χ^2/NDF:1922.7/15

+ sign 1780.676+/-0.279 χ^2/NDF: 753323.0/32

All: 1786.104+/-0.199 χ^2/NDF: 1197049.8/66

- sign 1791.637+/-0.282 χ^2/NDF: 442964.7/33



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 59.370+/-123.927 χ^2/NDF:13.0/16

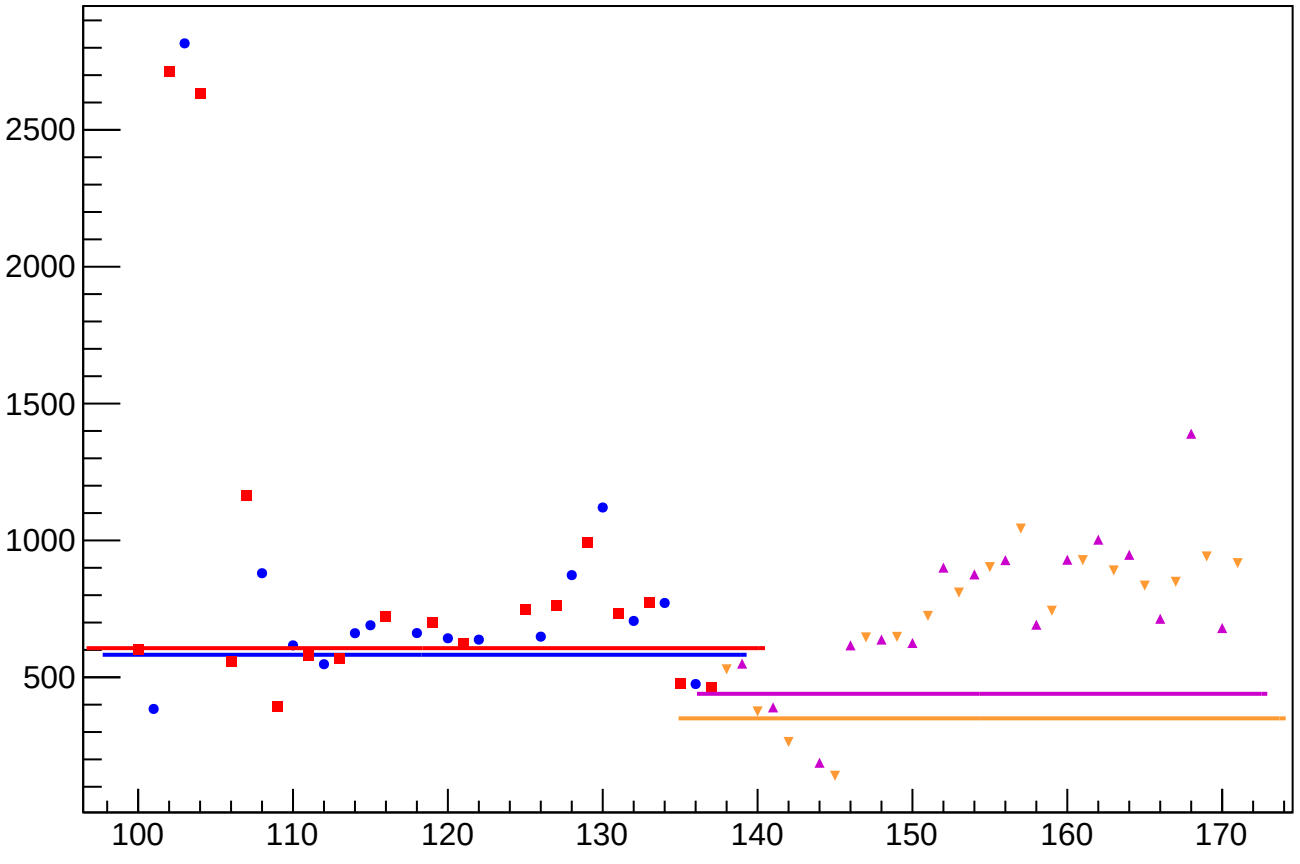
Right Out: 135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: -190.890+/-144.087 χ^2/NDF:12.8/15

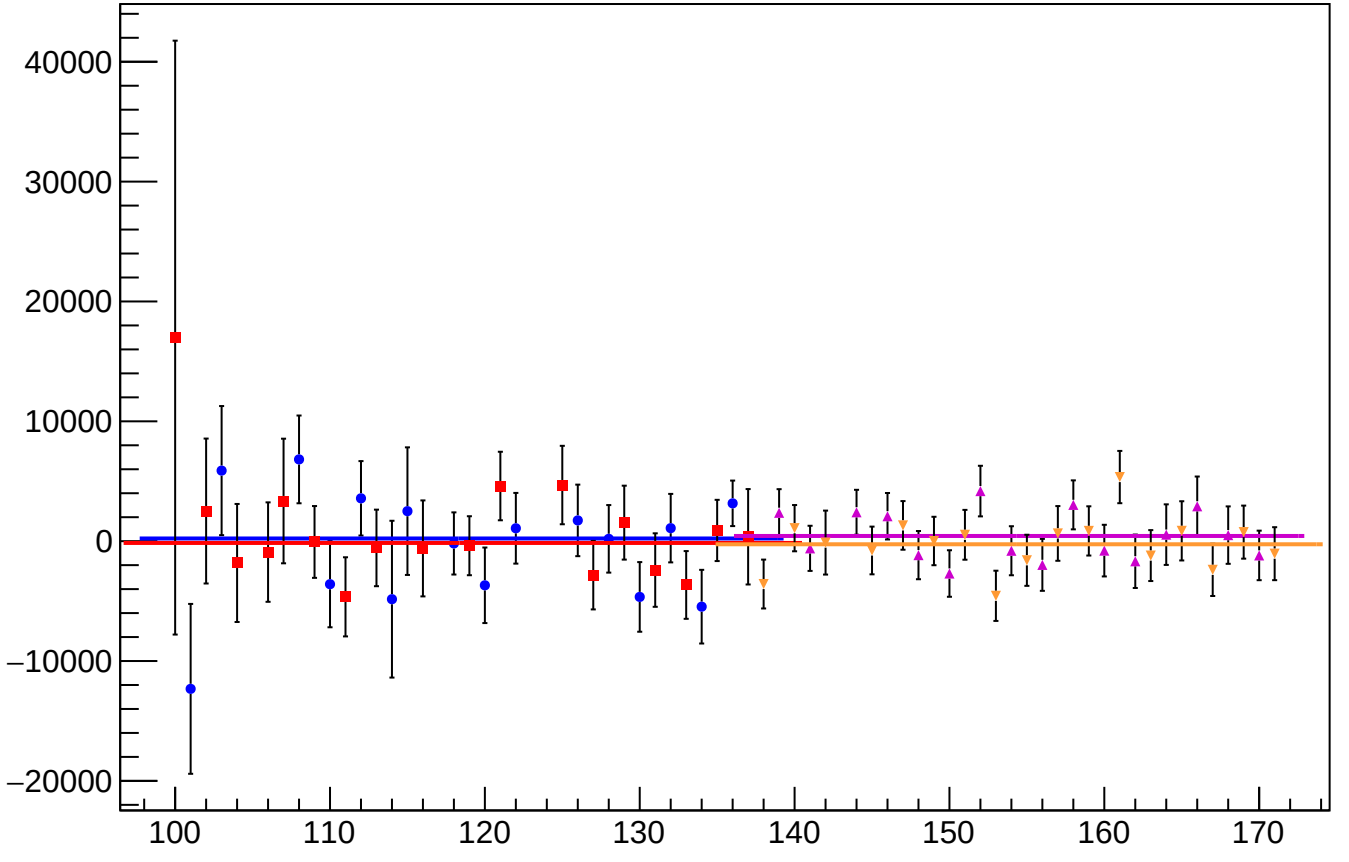
+ sign 70.215+/-109.279 χ^2/NDF: 27.2/32

All: -7.256+/-82.078 χ^2/NDF: 56.8/66

- sign -107.521+/-124.321 χ^2/NDF: 28.5/33


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 582.268+/-0.164 χ²/NDF: 1754289.3/15
Left Out: 349.942+/-0.088 χ²/NDF:10170845.7/16
Right Out: 606.447+/-0.174 χ²/NDF: 2198414.3/17
Left In: 439.677+/-0.102 χ²/NDF:7430303.2/15
+ sign 401.617+/-0.077 χ²/NDF: 13488568.8/32
All: 436.782+/-0.058 χ²/NDF: 24277073.6/66
- sign 482.294+/-0.088 χ²/NDF: 10313378.3/33

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -258.724+/-518.956 χ^2/NDF:17.3/16

Right Out: -147.974+/-794.180 χ^2/NDF: 11.6/17

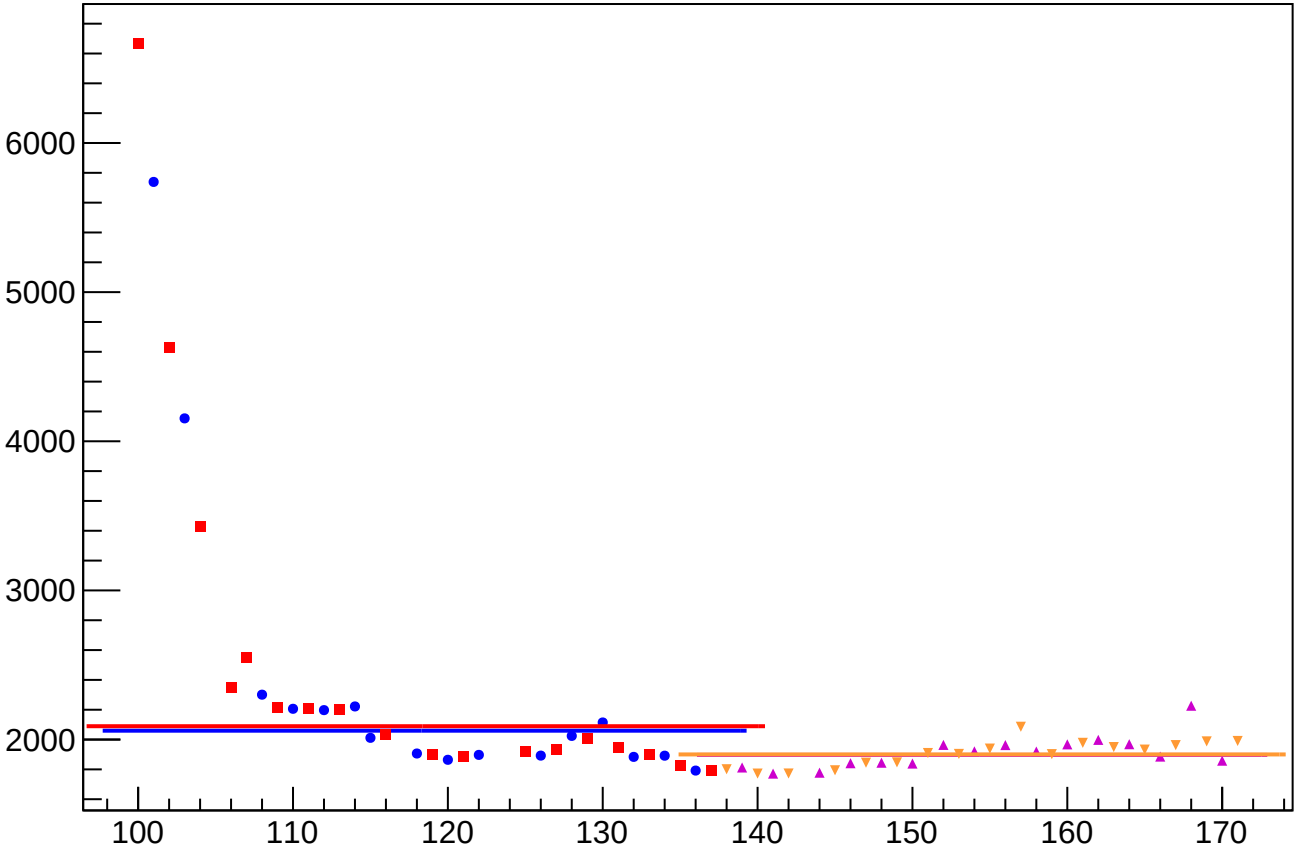
Left In: 434.059+/-522.510 χ^2/NDF:15.5/15

+ sign -113.484+/-434.018 χ^2/NDF: 38.8/32

All: 71.309+/-307.774 χ^2/NDF: 66.6/66

- sign 258.228+/-436.508 χ^2/NDF: 27.5/33

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1900.262+/-0.367 χ^2/NDF:52766.0/16

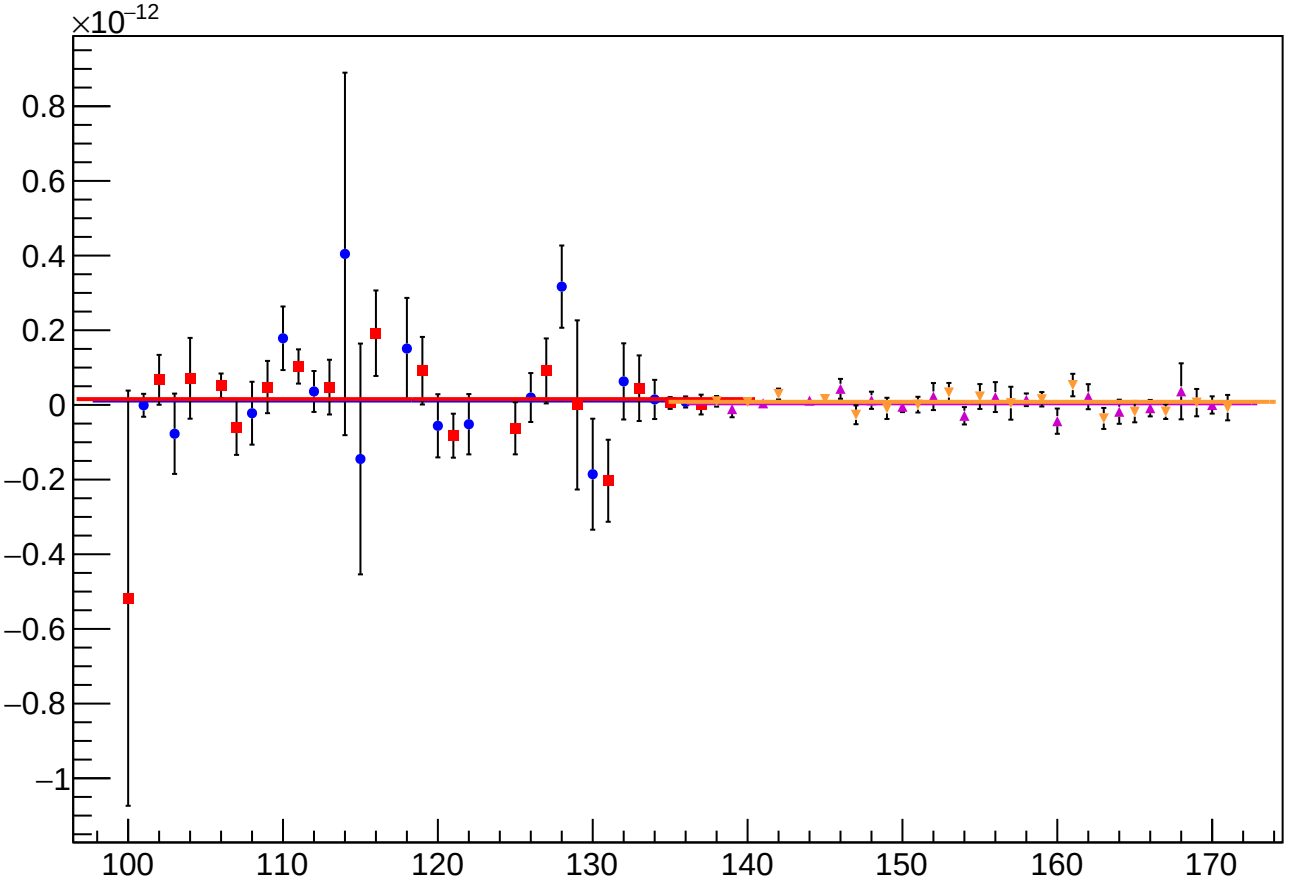
Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1896.977+/-0.369 χ^2/NDF:76326.6/15

+ sign 1948.120+/-0.307 χ^2/NDF: 1049232.2/32

All: 1951.606+/-0.218 χ^2/NDF: 1889290.2/66

- sign 1955.131+/-0.309 χ^2/NDF: 839798.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/16

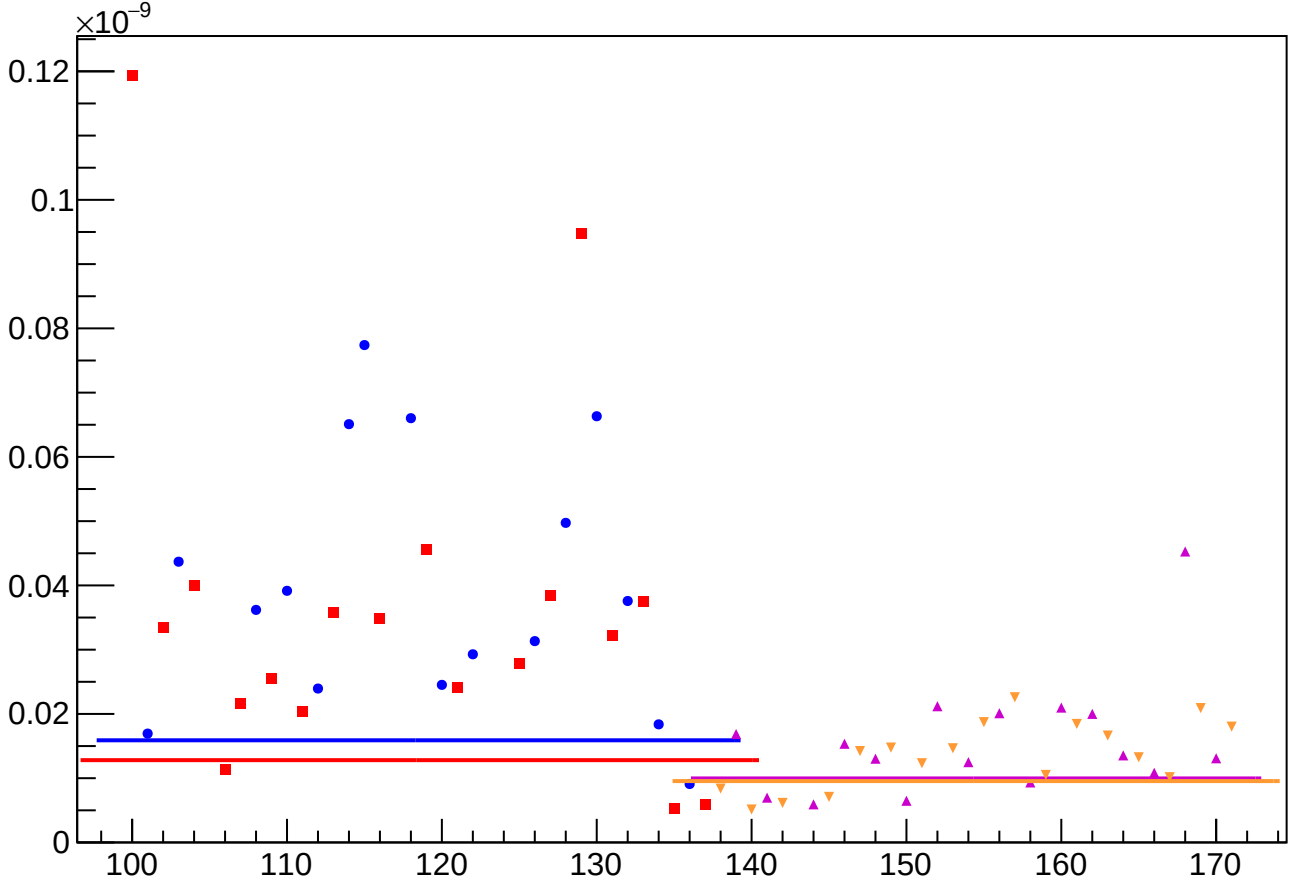
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/32

All: 0.000+/-0.000 χ^2/NDF: 63.5/66

- sign 0.000+/-0.000 χ^2/NDF: 31.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1861642.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

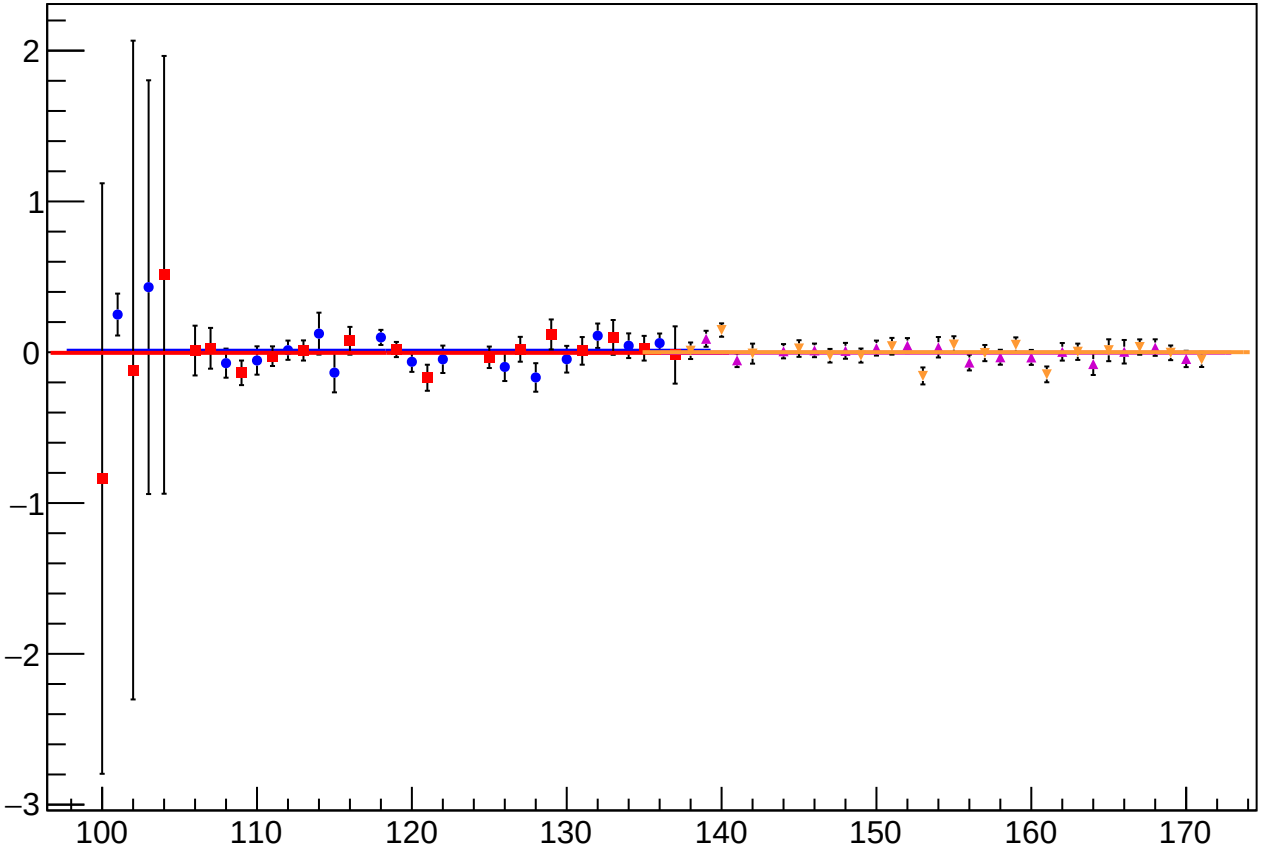
Left In: 0.000+/-0.000 χ^2/NDF:2164057.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 4313957.1/32

All: 0.000+/-0.000 χ^2/NDF: 9081246.2/66

- sign 0.000+/-0.000 χ^2/NDF: 4767271.0/33

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.0/16

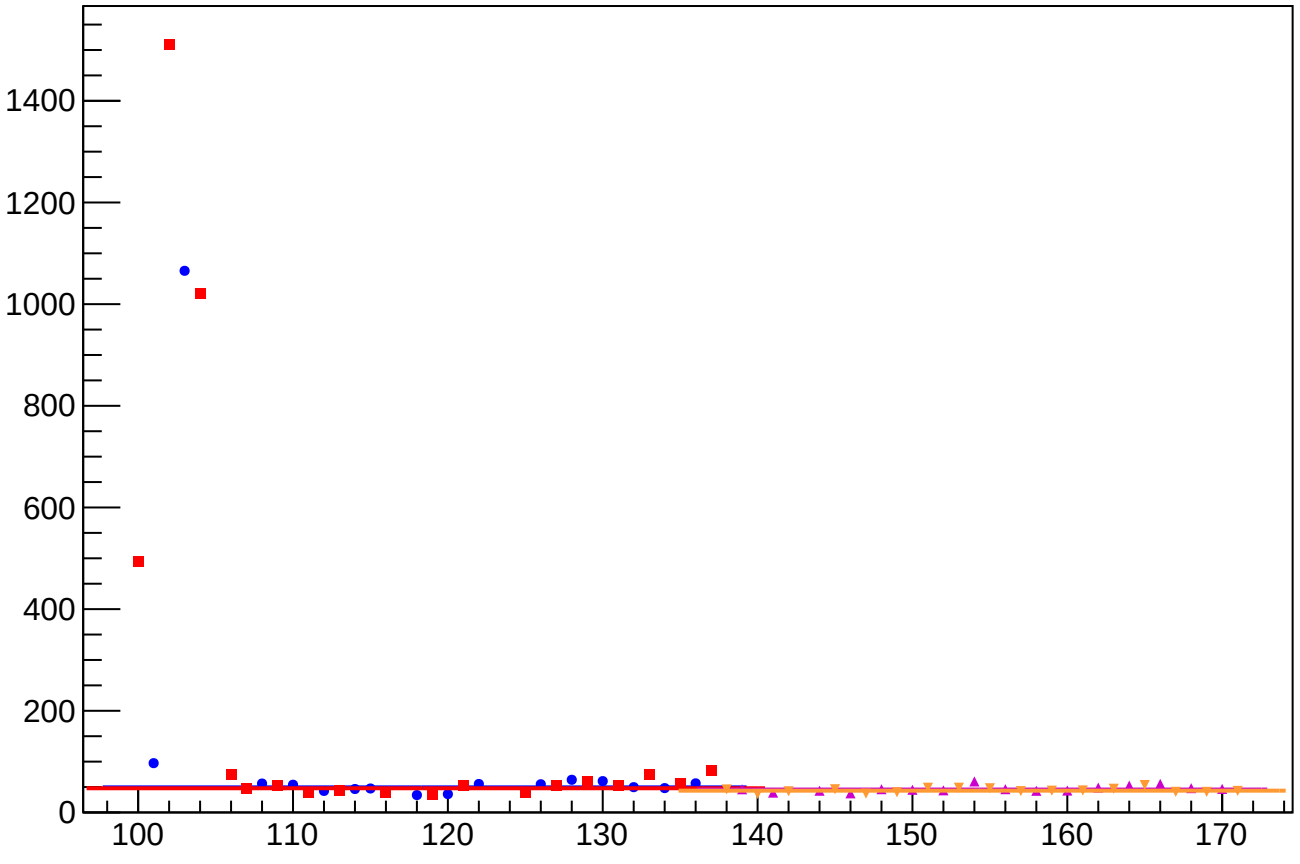
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.013 χ^2/NDF:10.4/15

+ sign 0.003+/-0.011 χ^2/NDF: 49.6/32

All: 0.000+/-0.008 χ^2/NDF: 70.7/66

- sign -0.003+/-0.011 χ^2/NDF: 20.9/33



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.889+/-0.009 χ^2/NDF:217961.9/16

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

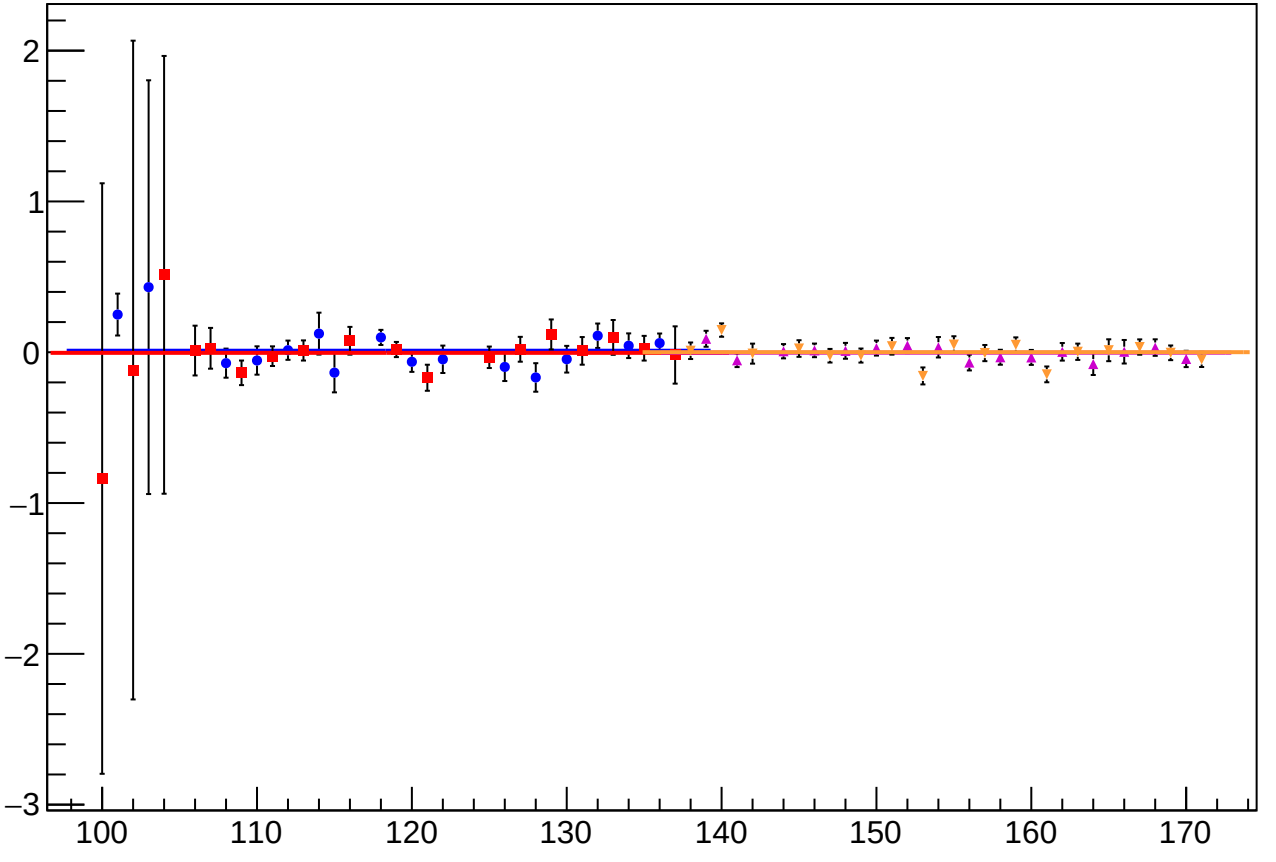
Left In: 45.045+/-0.009 χ^2/NDF:295985.2/15

+ sign 44.627+/-0.008 χ^2/NDF: 2133074.7/32

All: 45.168+/-0.006 χ^2/NDF: 4877996.8/66

- sign 45.751+/-0.008 χ^2/NDF: 2734640.3/33

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.0/16

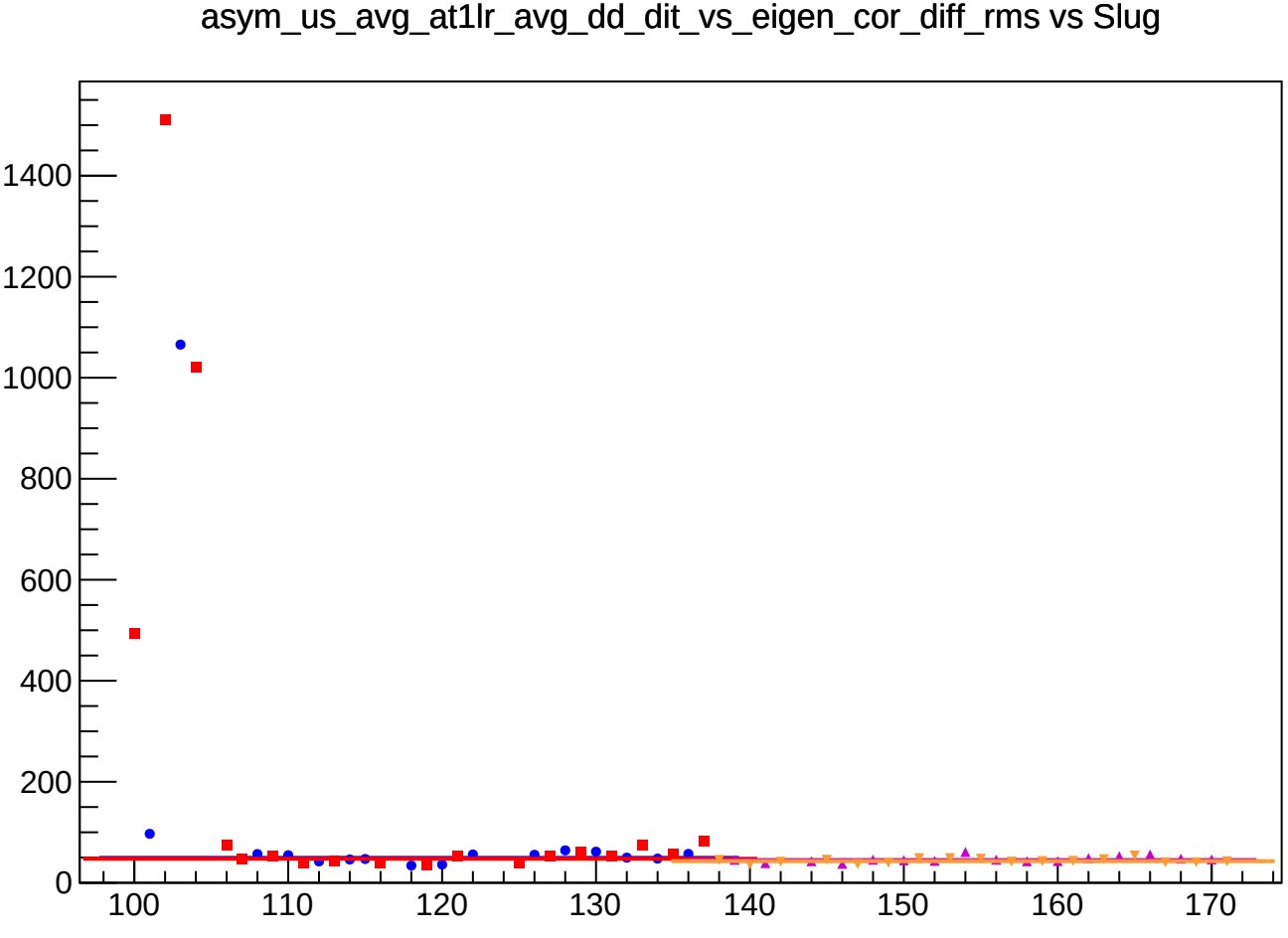
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.013 χ^2/NDF:10.4/15

+ sign 0.003+/-0.011 χ^2/NDF: 49.6/32

All: 0.000+/-0.008 χ^2/NDF: 70.7/66

- sign -0.003+/-0.011 χ^2/NDF: 20.9/33



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.889+/-0.009 χ^2/NDF:217961.9/16

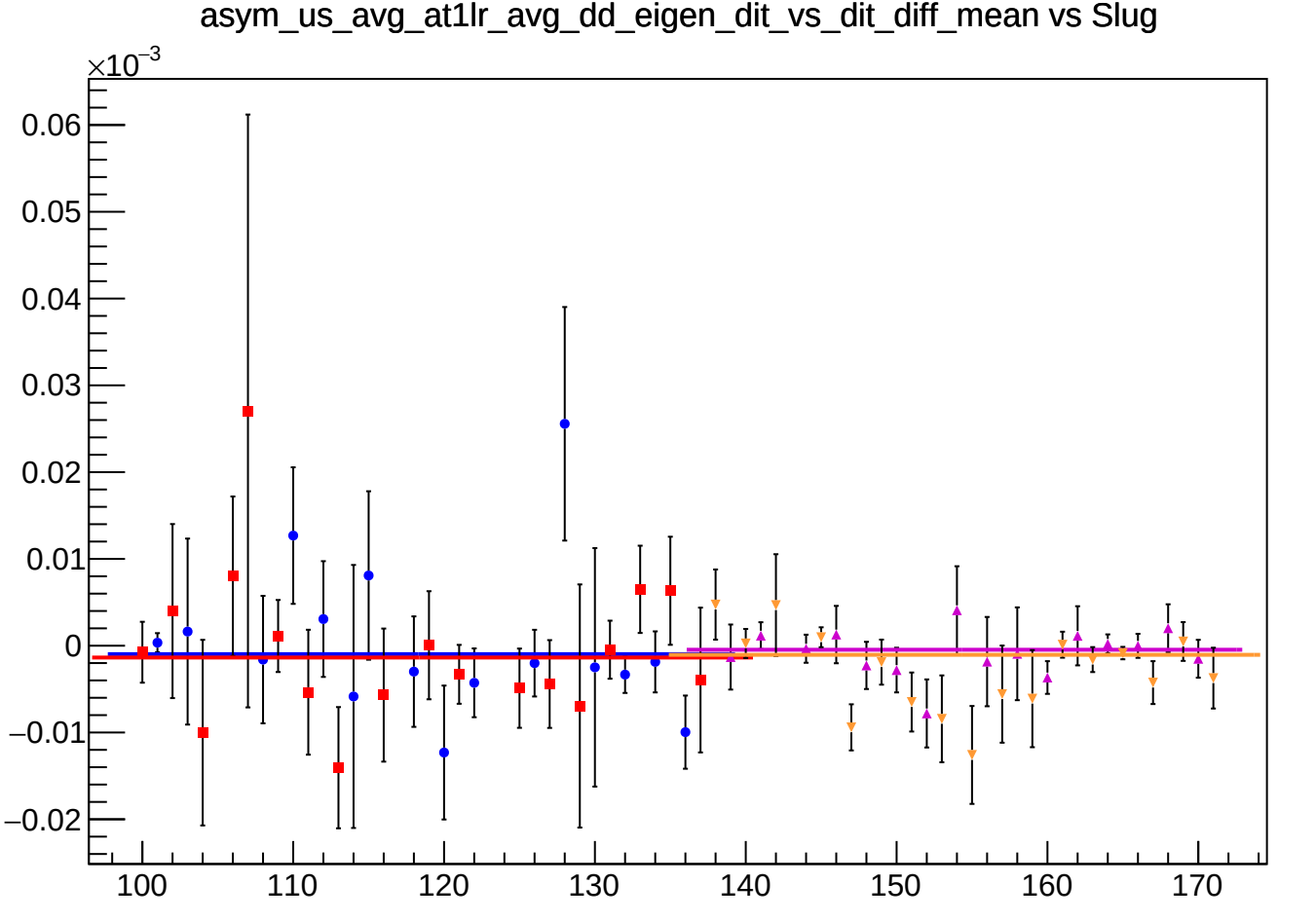
Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

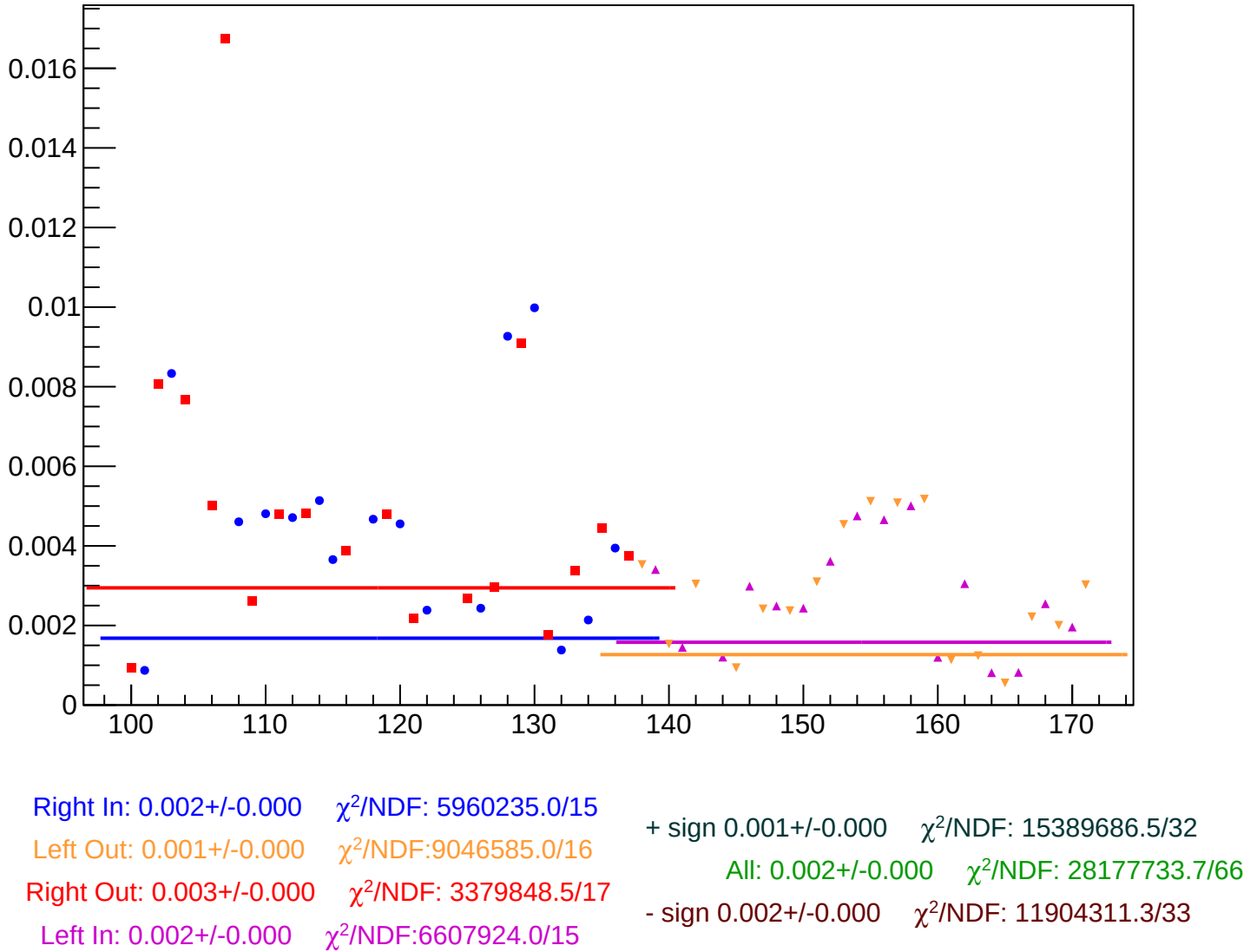
Left In: 45.045+/-0.009 χ^2/NDF:295985.2/15

+ sign 44.627+/-0.008 χ^2/NDF: 2133074.7/32

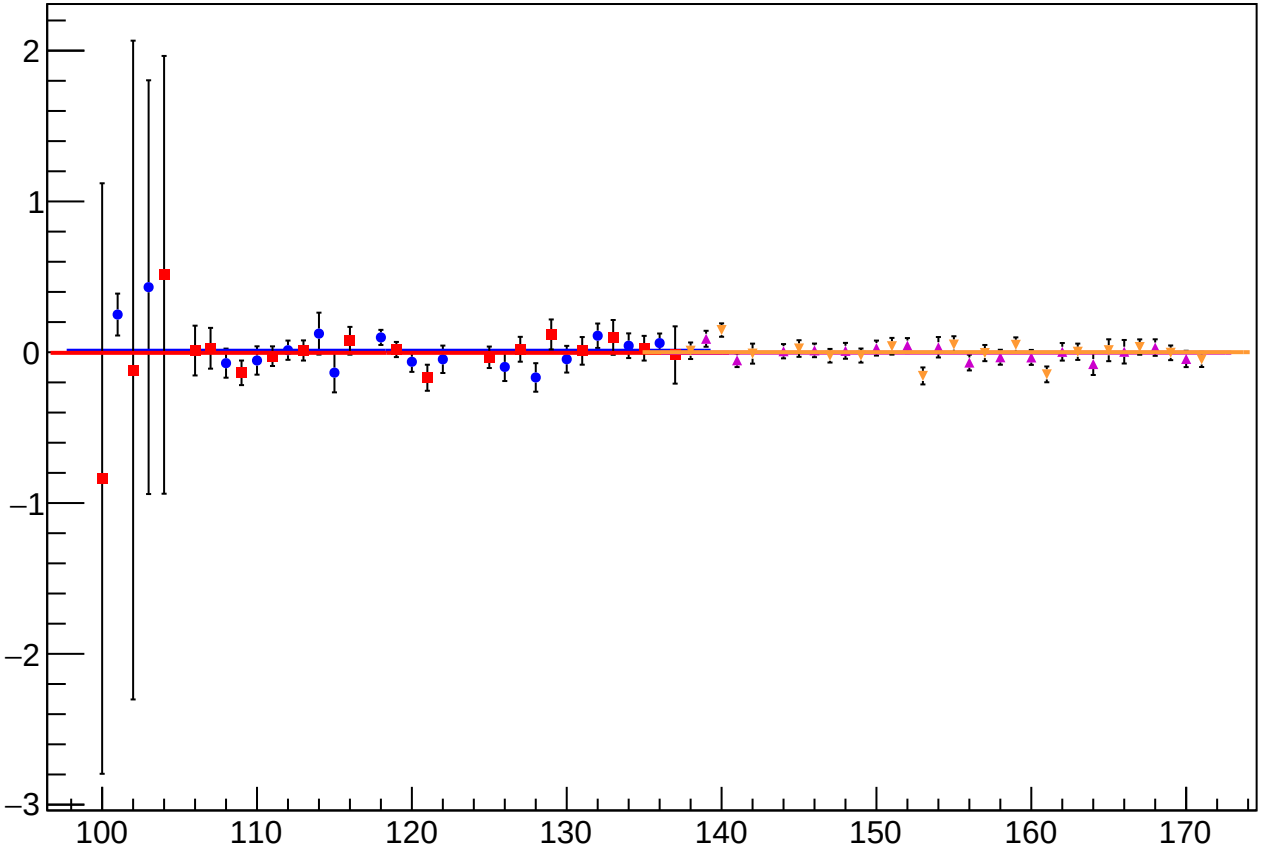
All: 45.168+/-0.006 χ^2/NDF: 4877996.8/66

- sign 45.751+/-0.008 χ^2/NDF: 2734640.3/33


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
170
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.7/16
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:11.7/15
+ sign -0.000+/-0.000 χ²/NDF: 49.4/32
All: -0.000+/-0.000 χ²/NDF: 74.6/66
- sign -0.000+/-0.000 χ²/NDF: 24.8/33


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.001+/-0.000 χ²/NDF:9046585.0/16
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:6607924.0/15
+ sign 0.001+/-0.000 χ²/NDF: 15389686.5/32
All: 0.002+/-0.000 χ²/NDF: 28177733.7/66
- sign 0.002+/-0.000 χ²/NDF: 11904311.3/33

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.000+/-0.013 χ^2/NDF:31.0/16

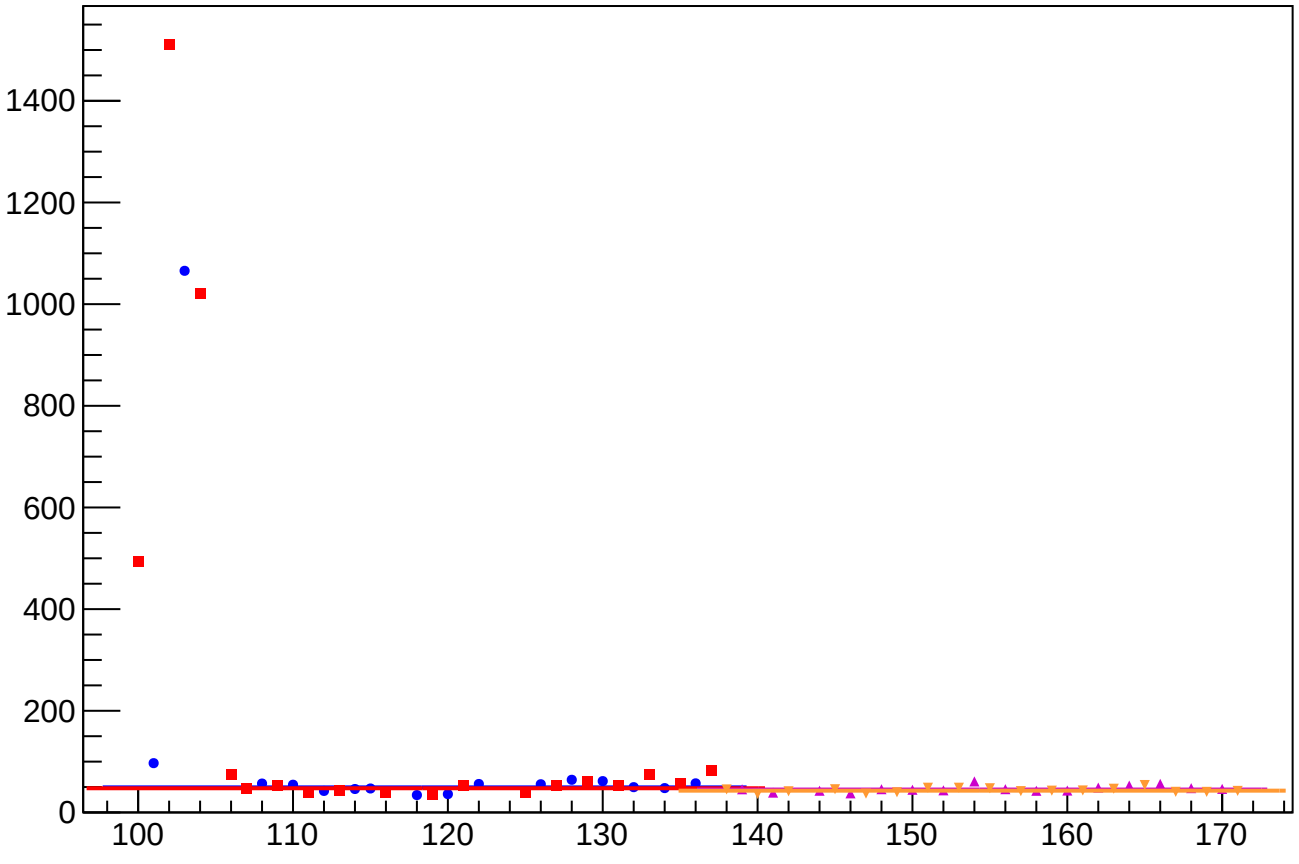
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.003+/-0.013 χ^2/NDF:10.4/15

+ sign 0.003+/-0.011 χ^2/NDF: 49.6/32

All: 0.000+/-0.008 χ^2/NDF: 70.7/66

- sign -0.003+/-0.011 χ^2/NDF: 20.9/33



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.889+/-0.009 χ^2/NDF:217980.8/16

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

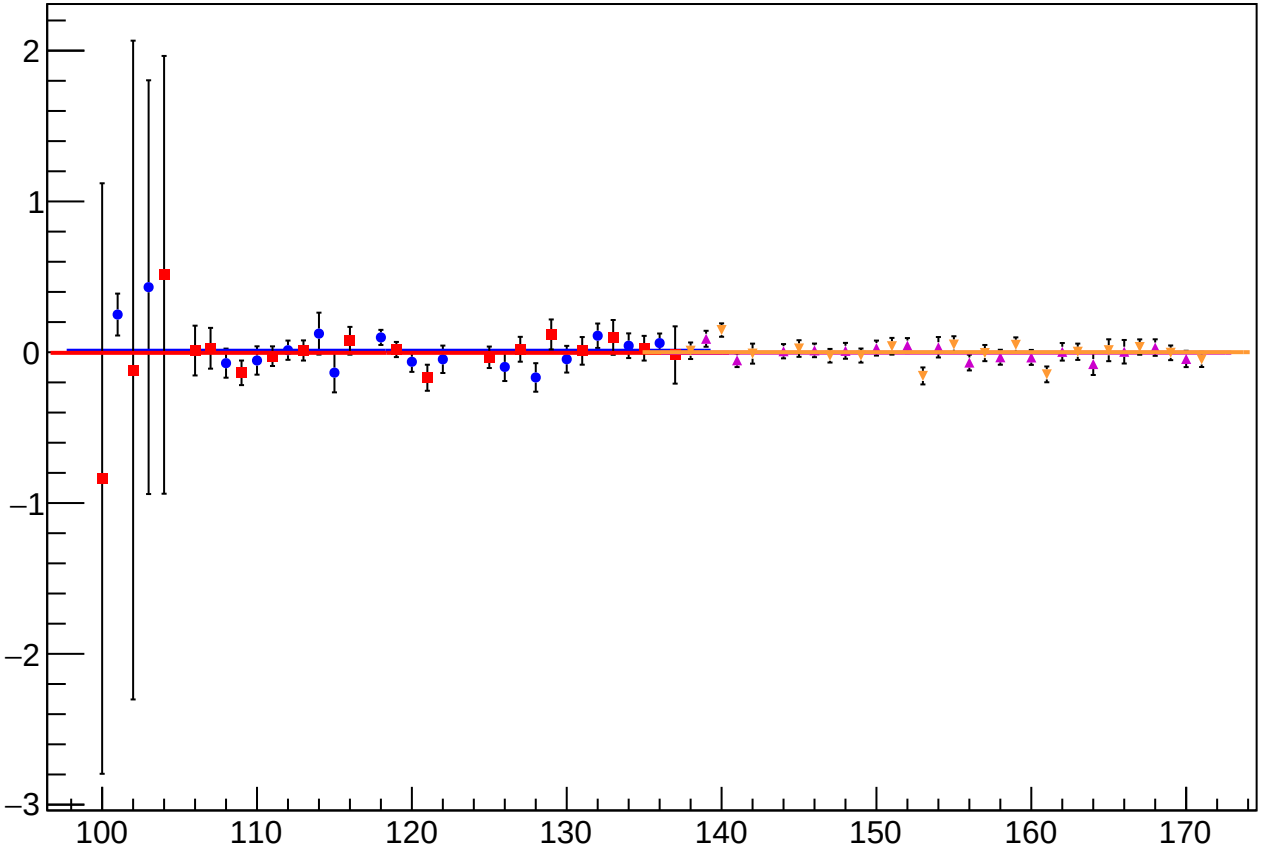
Left In: 45.045+/-0.009 χ^2/NDF:296046.5/15

+ sign 44.627+/-0.008 χ^2/NDF: 2133031.3/32

All: 45.168+/-0.006 χ^2/NDF: 4878029.0/66

- sign 45.751+/-0.008 χ^2/NDF: 2734727.6/33

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: 0.000+/-0.013 χ^2/NDF:31.0/16

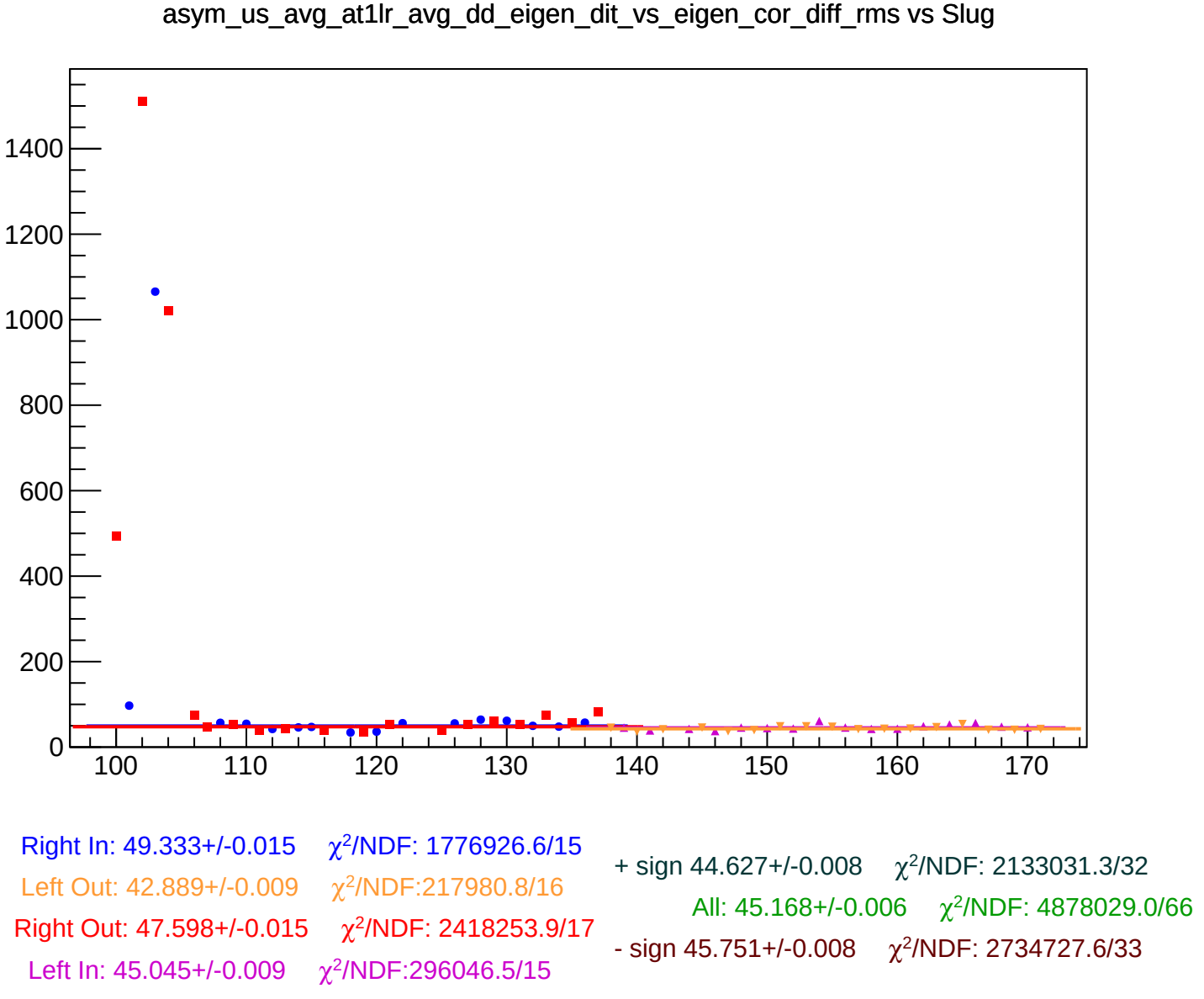
Right Out: -0.004+/-0.021 χ^2/NDF: 10.5/17

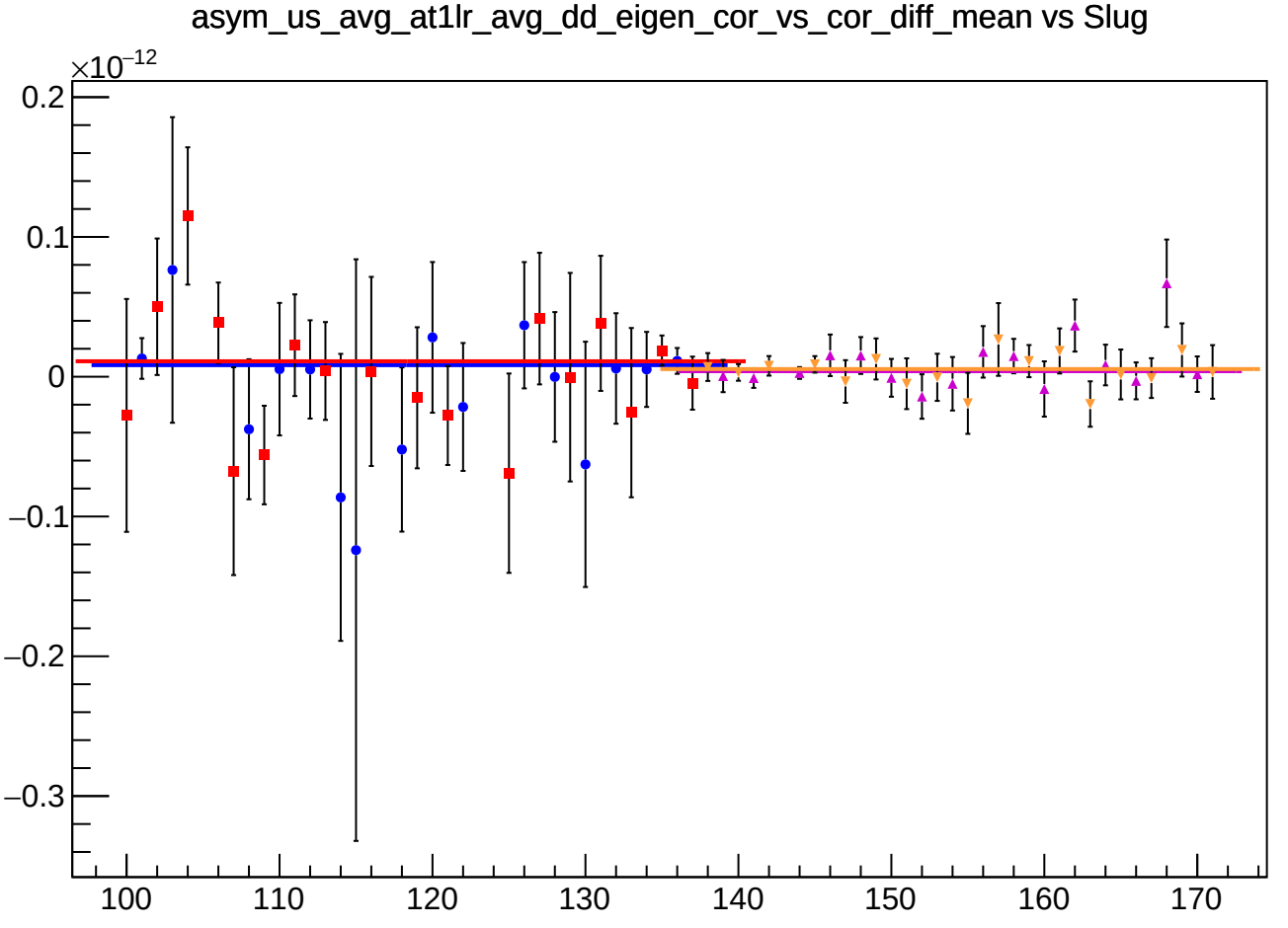
Left In: -0.003+/-0.013 χ^2/NDF:10.4/15

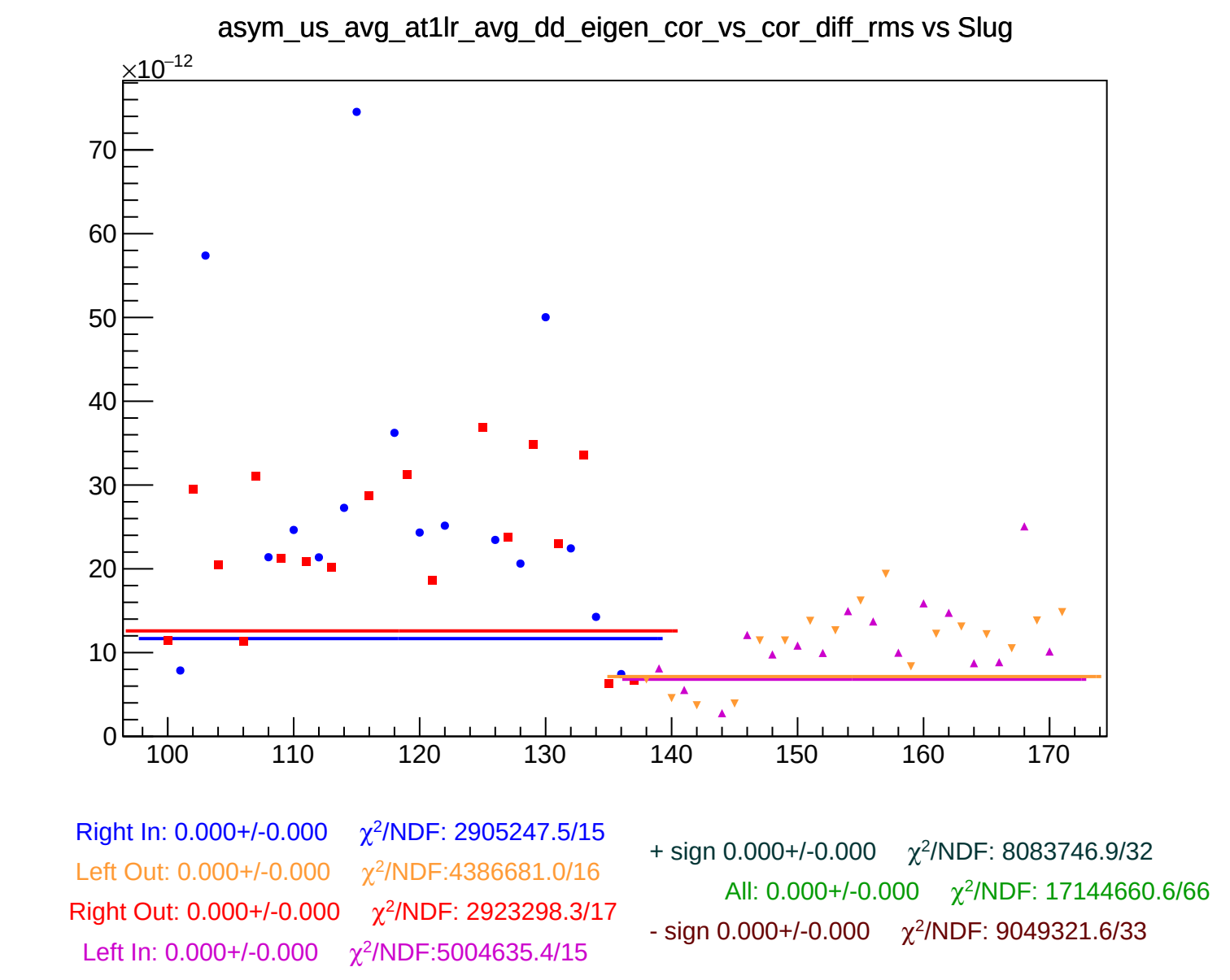
+ sign 0.003+/-0.011 χ^2/NDF: 49.6/32

All: 0.000+/-0.008 χ^2/NDF: 70.7/66

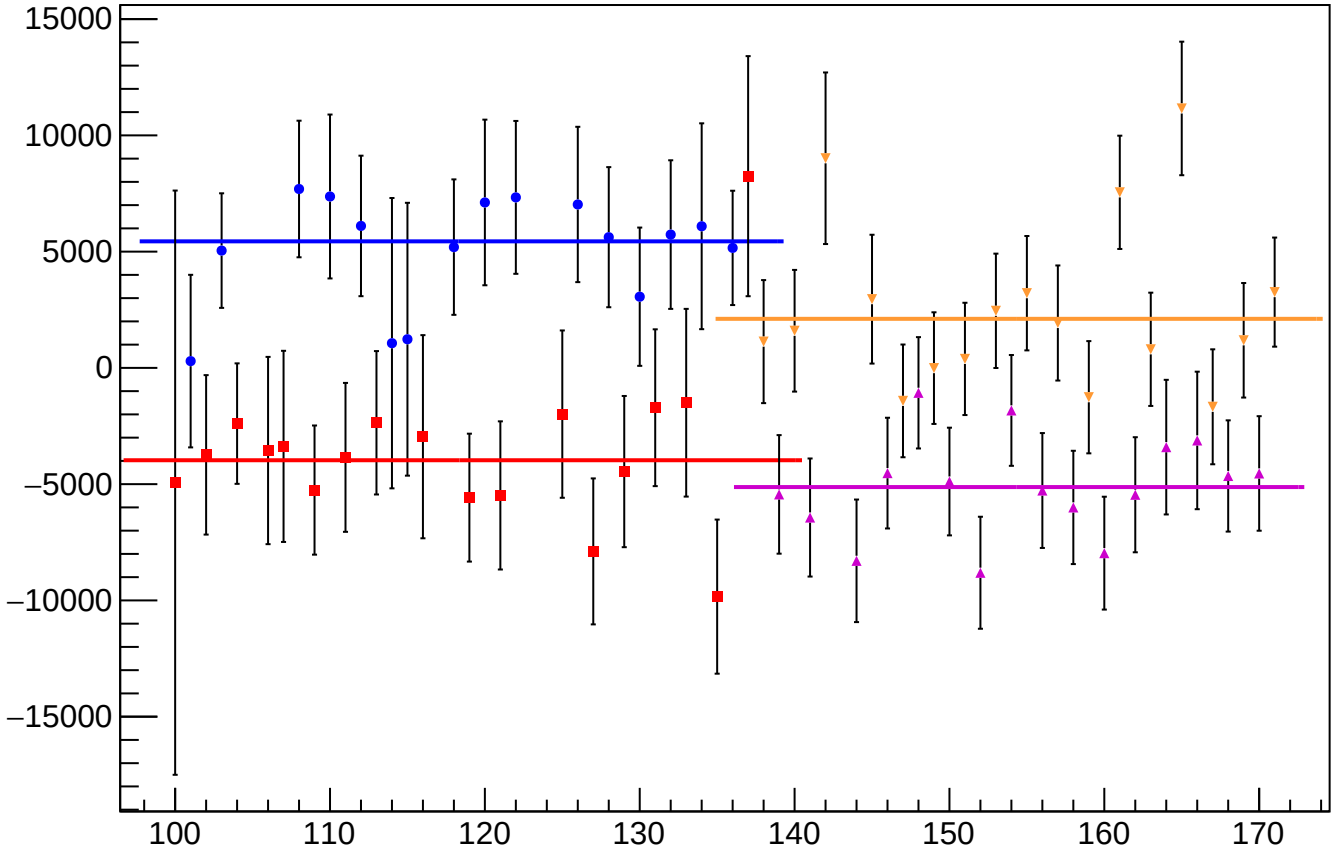
- sign -0.003+/-0.011 χ^2/NDF: 20.9/33


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
170
Right In: 49.333+/-0.015 χ²/NDF: 1776926.6/15
Left Out: 42.889+/-0.009 χ²/NDF:217980.8/16
Right Out: 47.598+/-0.015 χ²/NDF: 2418253.9/17
Left In: 45.045+/-0.009 χ²/NDF:296046.5/15
+ sign 44.627+/-0.008 χ²/NDF: 2133031.3/32
All: 45.168+/-0.006 χ²/NDF: 4878029.0/66
- sign 45.751+/-0.008 χ²/NDF: 2734727.6/33


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
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.6/16
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/17
Left In: 0.000+/-0.000 χ²/NDF:12.9/15
+ sign 0.000+/-0.000 χ²/NDF: 13.2/32
All: 0.000+/-0.000 χ²/NDF: 43.2/66
- sign 0.000+/-0.000 χ²/NDF: 29.9/33


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4386681.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5004635.4/15
+ sign 0.000+/-0.000 χ²/NDF: 8083746.9/32
All: 0.000+/-0.000 χ²/NDF: 17144660.6/66
- sign 0.000+/-0.000 χ²/NDF: 9049321.6/33

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2110.168+/-615.216 χ^2/NDF:27.3/16

Right Out: -3971.728+/-809.023 χ^2/NDF: 13.0/17

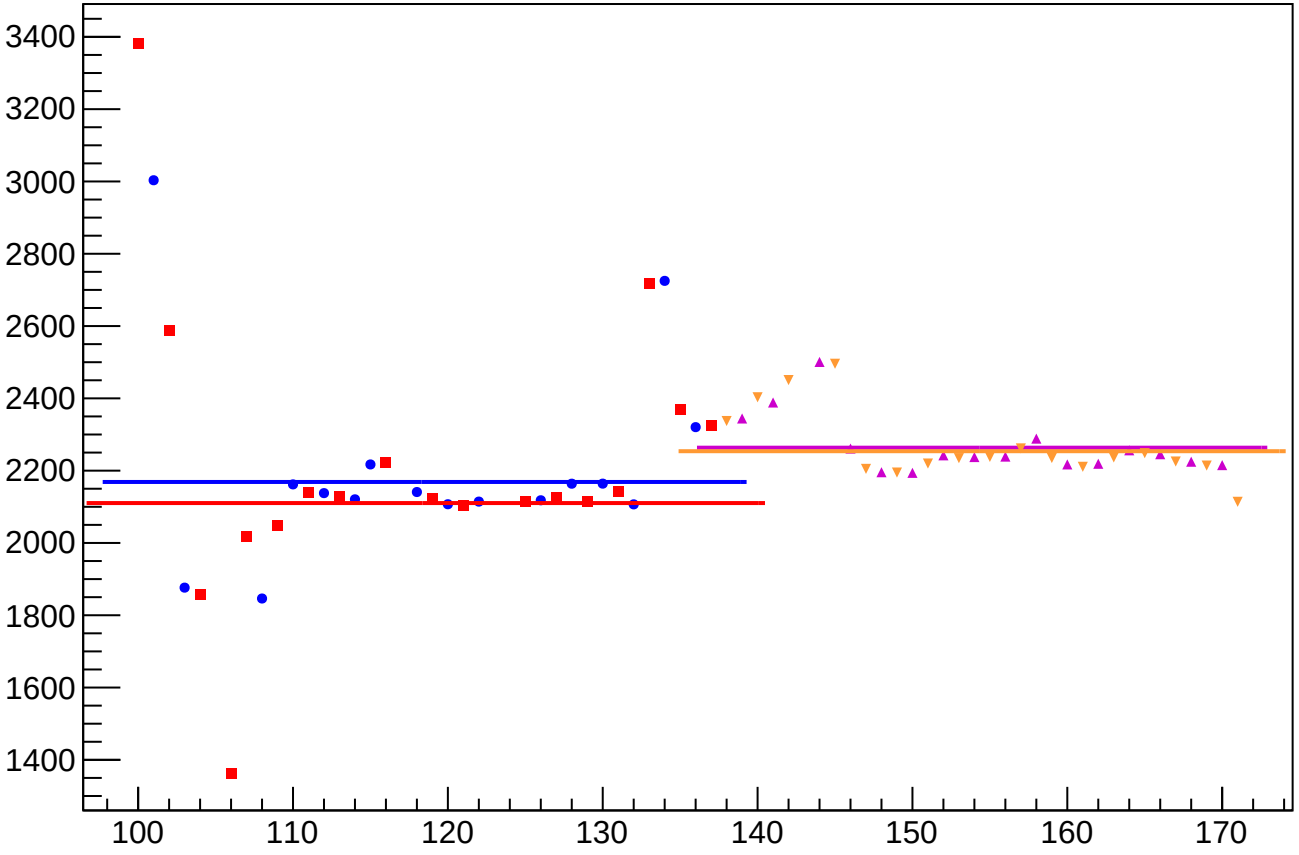
Left In: -5125.160+/-622.899 χ^2/NDF:11.4/15

+ sign 3324.371+/-490.483 χ^2/NDF: 43.3/32

All: -660.708+/-347.905 χ^2/NDF: 201.8/66

- sign -4695.879+/-493.556 χ^2/NDF: 25.6/33

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

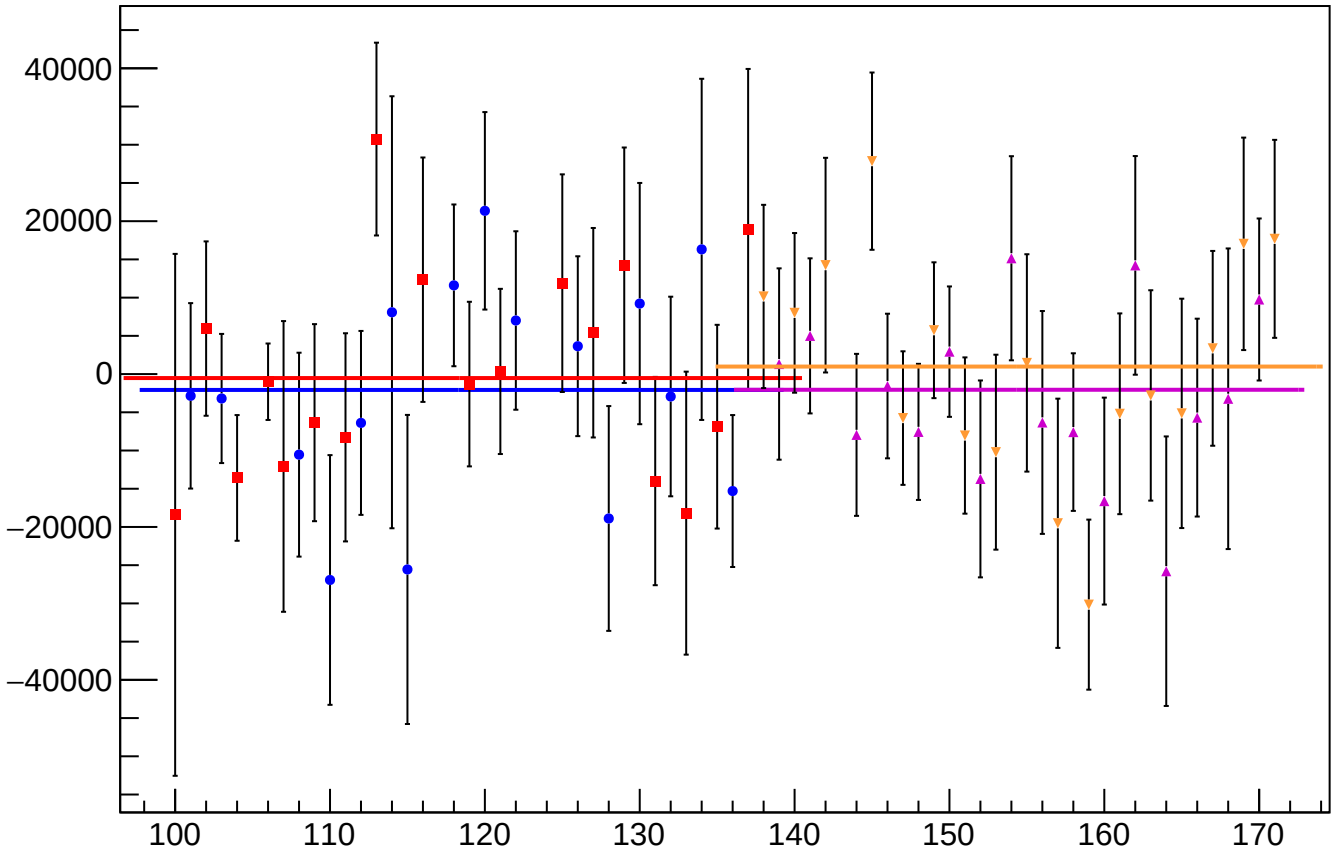
Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2263.538+/-0.440 χ^2/NDF:30020.6/15

+ sign 2222.797+/-0.347 χ^2/NDF: 250448.3/32

All: 2214.090+/-0.245 χ^2/NDF: 595061.4/66

- sign 2205.379+/-0.347 χ^2/NDF: 343352.4/33



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 982.545+/-2889.640 χ^2/NDF:22.7/16

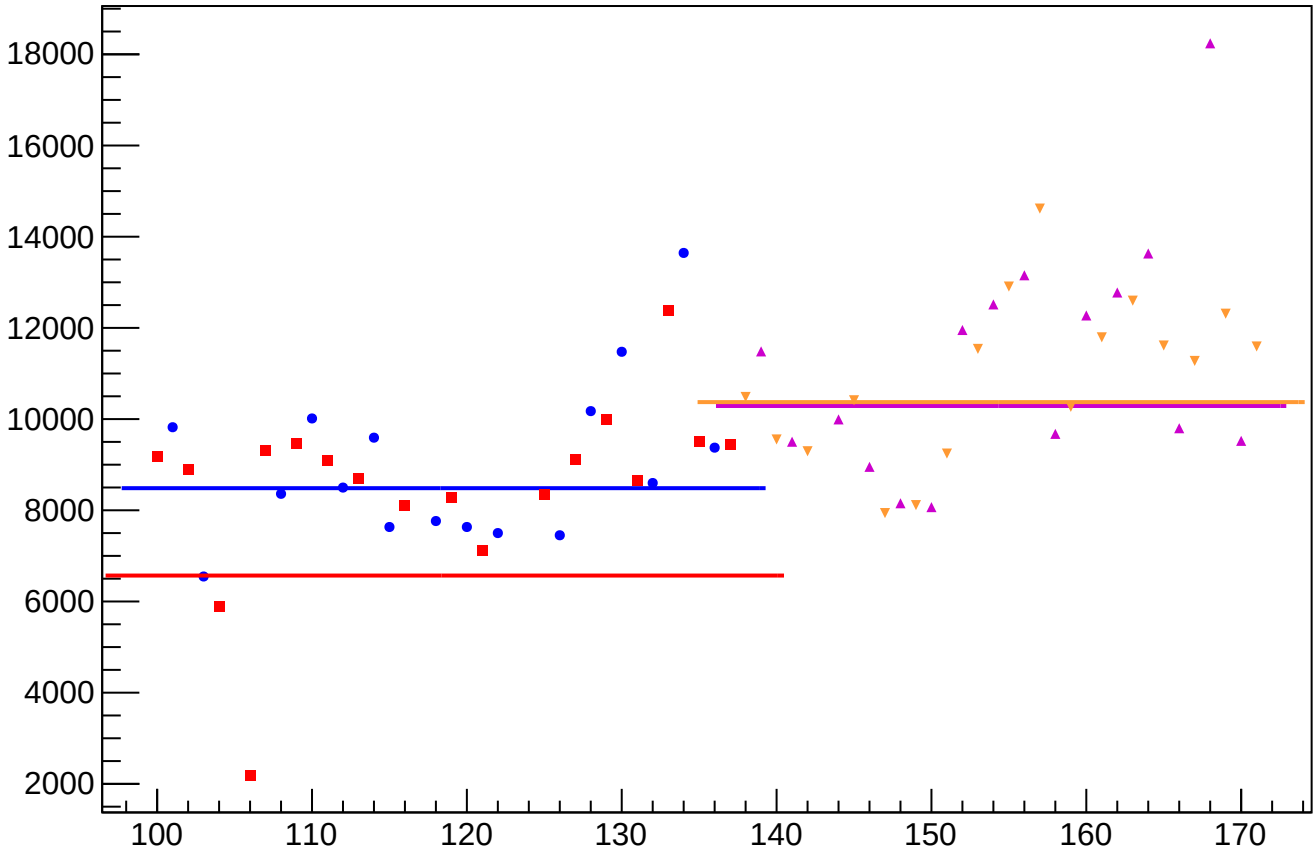
Right Out: -521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: -2052.486+/-2894.766 χ^2/NDF:10.0/15

\+ sign -385.028+/-2148.266 χ^2/NDF: 37.6/32

All: -846.177+/-1456.138 χ^2/NDF: 63.5/66

\- sign -1238.123+/-1980.526 χ^2/NDF: 25.9/33



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10372.571+/-2.043 χ^2/NDF:705398.0/16

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

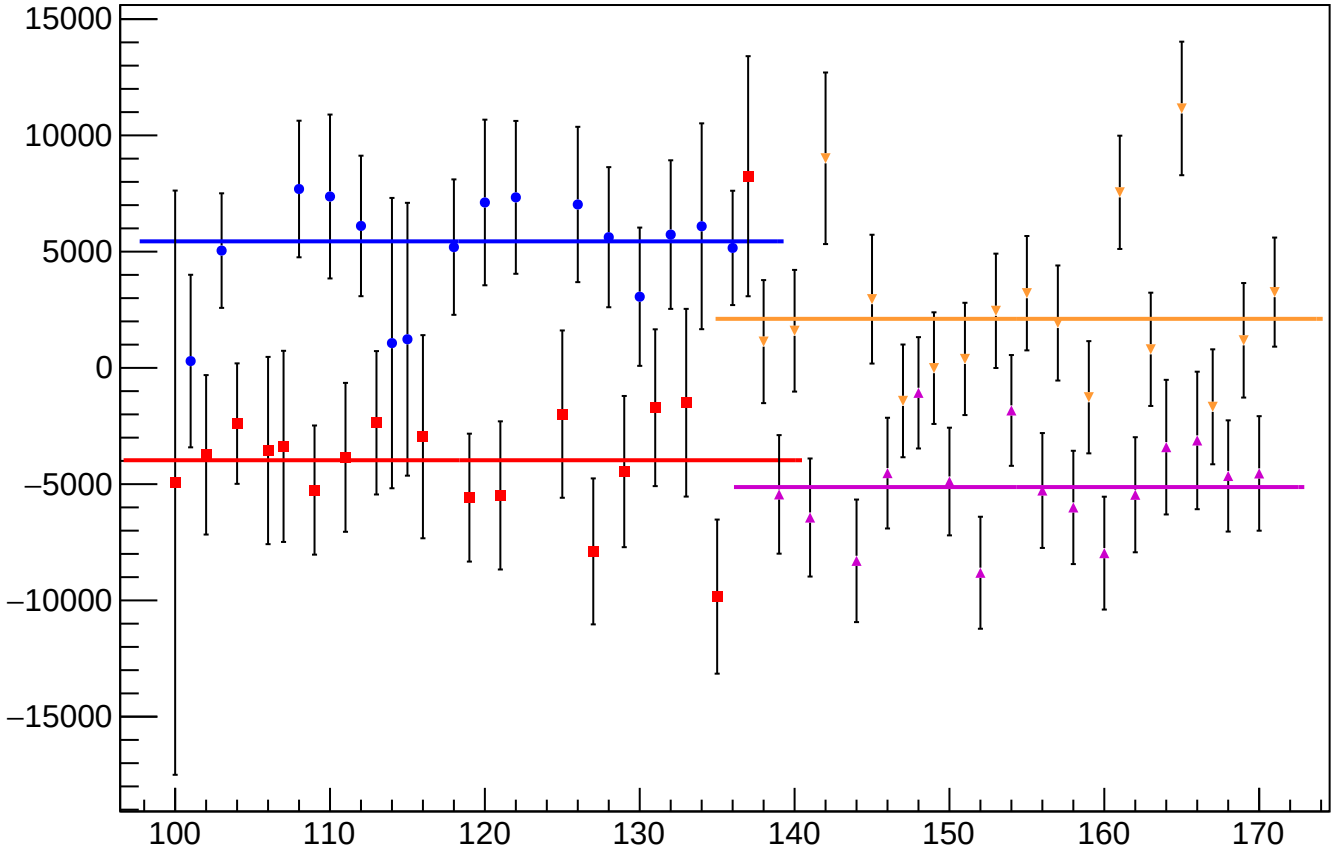
Left In: 10287.607+/-2.047 χ^2/NDF:1011340.2/15

+ sign 9528.258+/-1.519 χ^2/NDF: 1509827.8/32

All: 8869.451+/-1.030 χ^2/NDF: 7193772.3/66

- sign 8309.508+/-1.400 χ^2/NDF: 5335986.5/33

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2110.033+/-615.216 χ^2/NDF:27.3/16

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

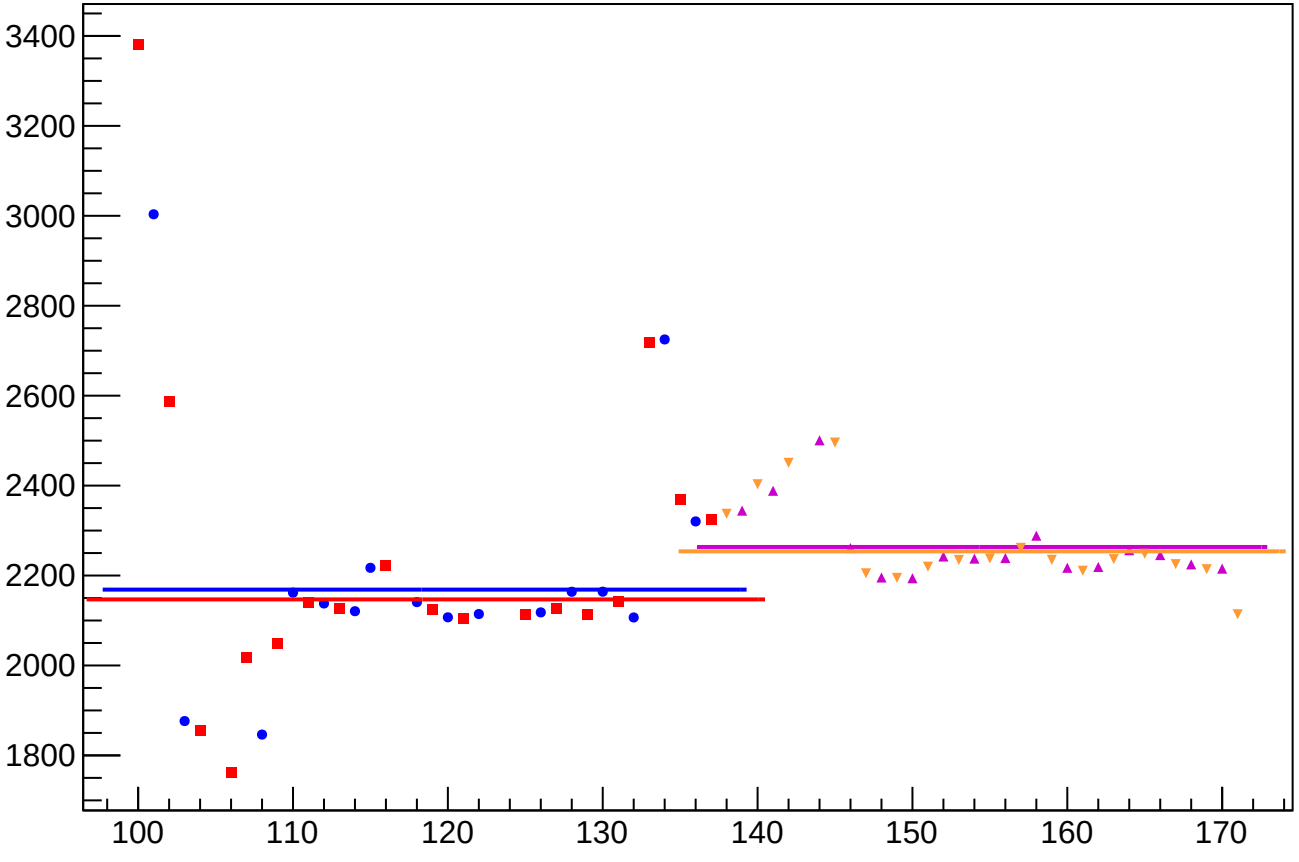
Left In: -5125.219+/-622.899 χ^2/NDF:11.4/15

+ sign 3324.337+/-490.483 χ^2/NDF: 43.3/32

All: -660.696+/-347.905 χ^2/NDF: 201.8/66

- sign -4695.820+/-493.556 χ^2/NDF: 25.6/33

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

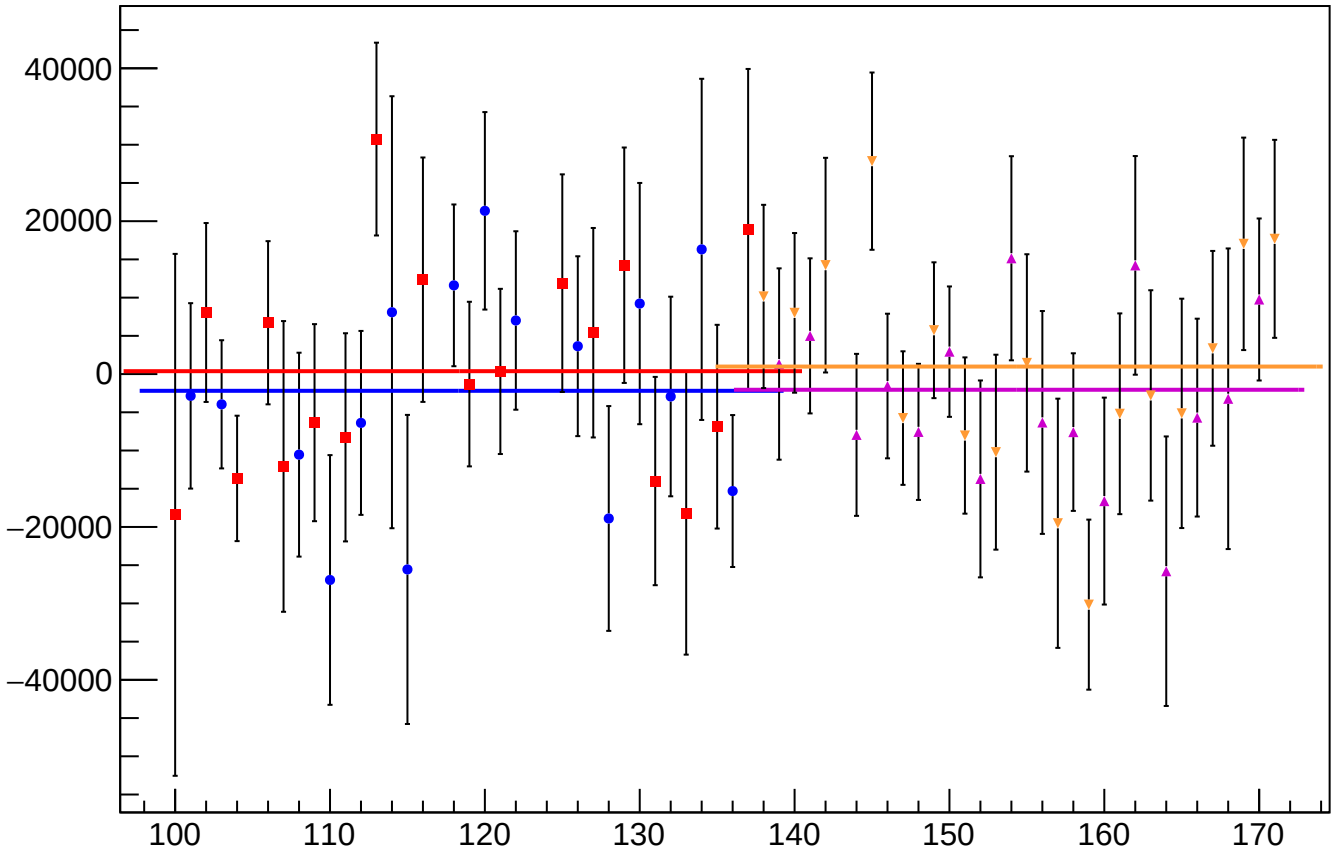
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2263.538+/-0.440 χ^2/NDF:30020.6/15

+ sign 2222.797+/-0.347 χ^2/NDF: 250448.7/32

All: 2221.331+/-0.246 χ^2/NDF: 464523.6/66

- sign 2219.852+/-0.348 χ^2/NDF: 214039.0/33



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 982.505+/-2889.638 χ^2/NDF:22.7/16

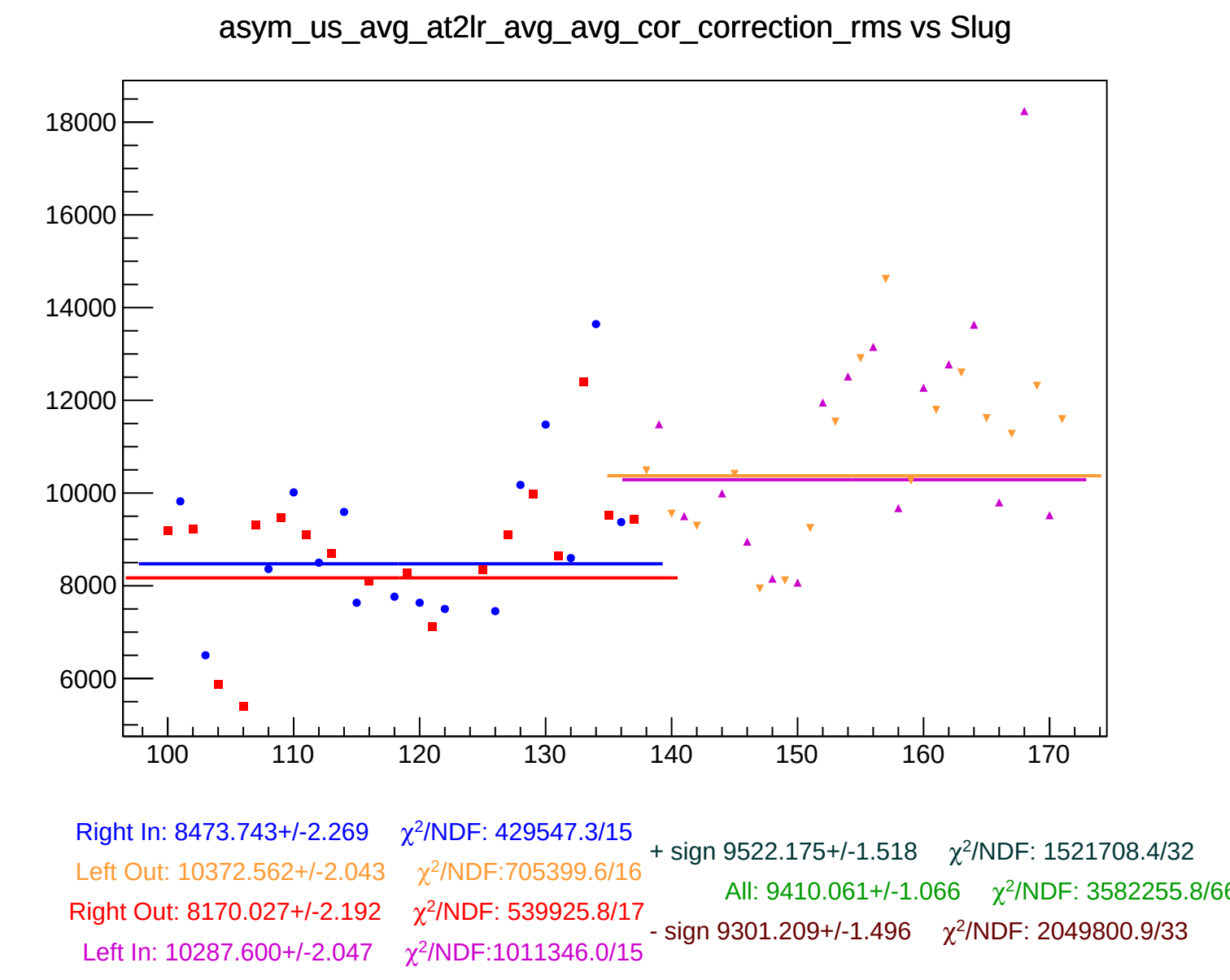
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

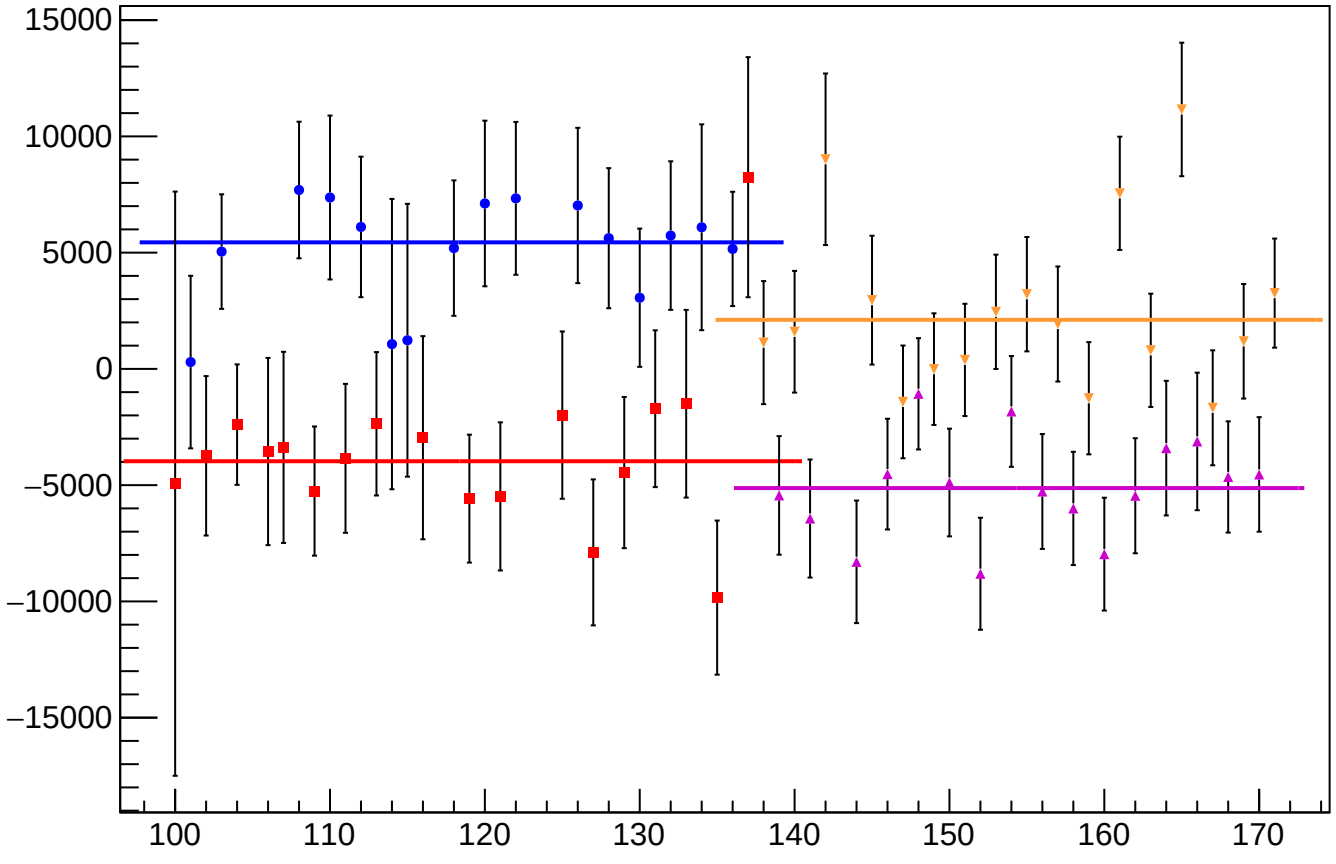
Left In: -2052.652+/-2894.764 χ^2/NDF:10.0/15

+ sign -437.970+/-2147.196 χ^2/NDF: 37.7/32

All: -682.466+/-1507.049 χ^2/NDF: 64.3/66

- sign -919.850+/-2115.731 χ^2/NDF: 26.7/33


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10372.562+/-2.043 χ²/NDF:705399.6/16
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10287.600+/-2.047 χ²/NDF:1011346.0/15
+ sign 9522.175+/-1.518 χ²/NDF: 1521708.4/32
All: 9410.061+/-1.066 χ²/NDF: 3582255.8/66
- sign 9301.209+/-1.496 χ²/NDF: 2049800.9/33



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2110.033+/-615.216 χ^2/NDF:27.3/16

Right Out: -3971.470+/-809.023 χ^2/NDF: 13.0/17

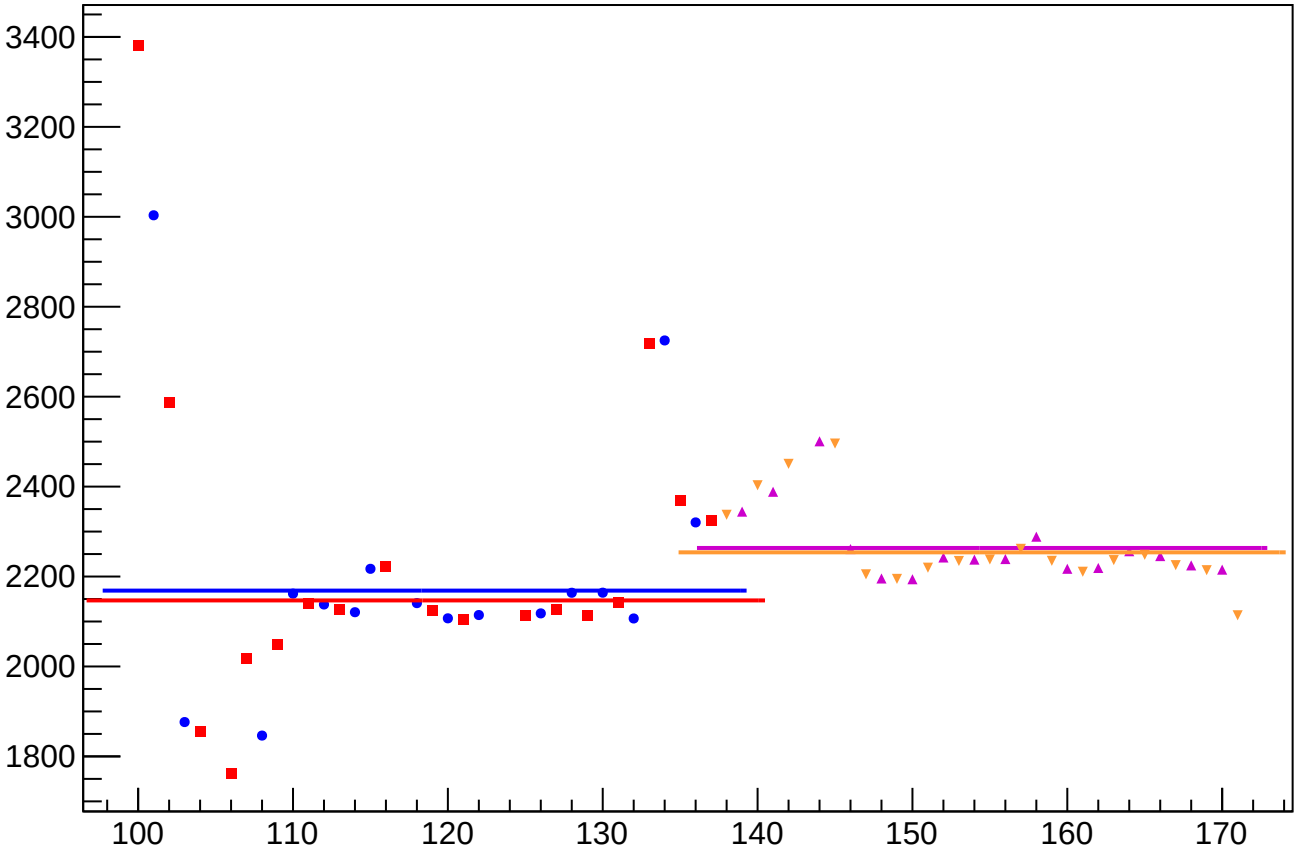
Left In: -5125.219+/-622.899 χ^2/NDF:11.4/15

+ sign 3324.337+/-490.483 χ^2/NDF: 43.3/32

All: -660.696+/-347.905 χ^2/NDF: 201.8/66

- sign -4695.820+/-493.556 χ^2/NDF: 25.6/33

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

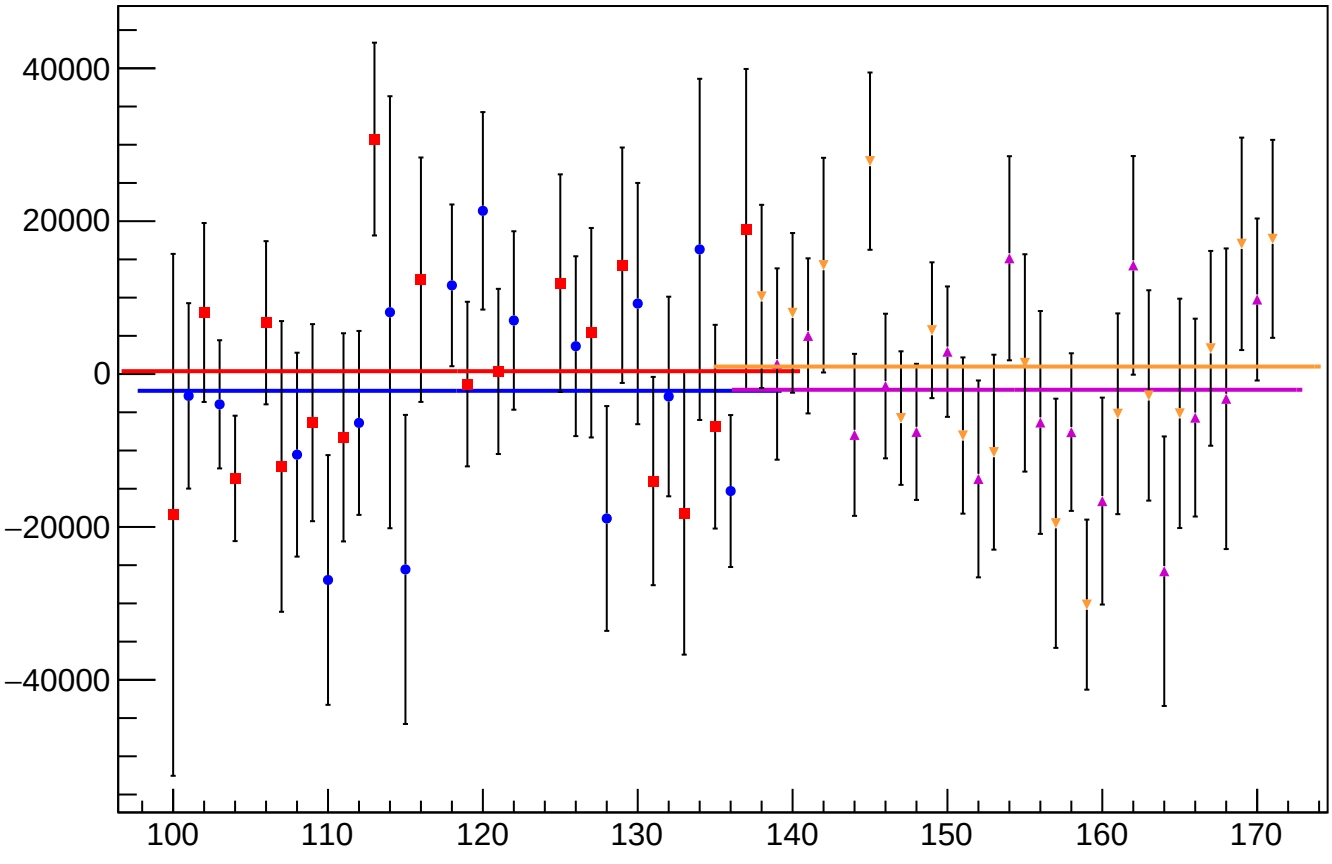
Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2263.538+/-0.440 χ^2/NDF:30020.6/15

+ sign 2222.797+/-0.347 χ^2/NDF: 250448.7/32

All: 2221.331+/-0.246 χ^2/NDF: 464523.6/66

- sign 2219.852+/-0.348 χ^2/NDF: 214039.0/33



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 982.505+/-2889.638 χ^2/NDF:22.7/16

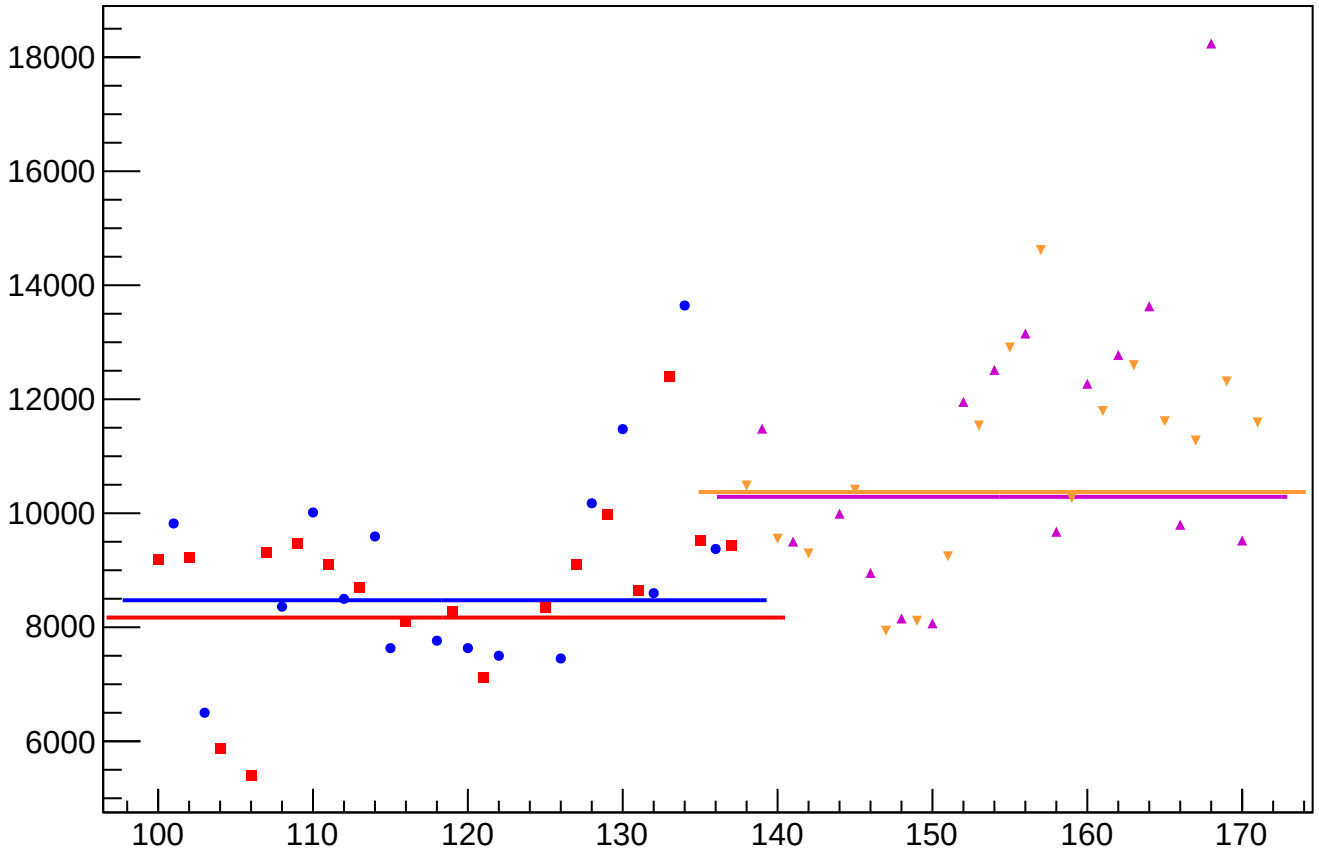
Right Out: 379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: -2052.652+/-2894.764 χ^2/NDF:10.0/15

+ sign -437.970+/-2147.196 χ^2/NDF: 37.7/32

All: -682.466+/-1507.049 χ^2/NDF: 64.3/66

- sign -919.850+/-2115.731 χ^2/NDF: 26.7/33



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10372.562+/-2.043 χ^2/NDF:705399.6/16

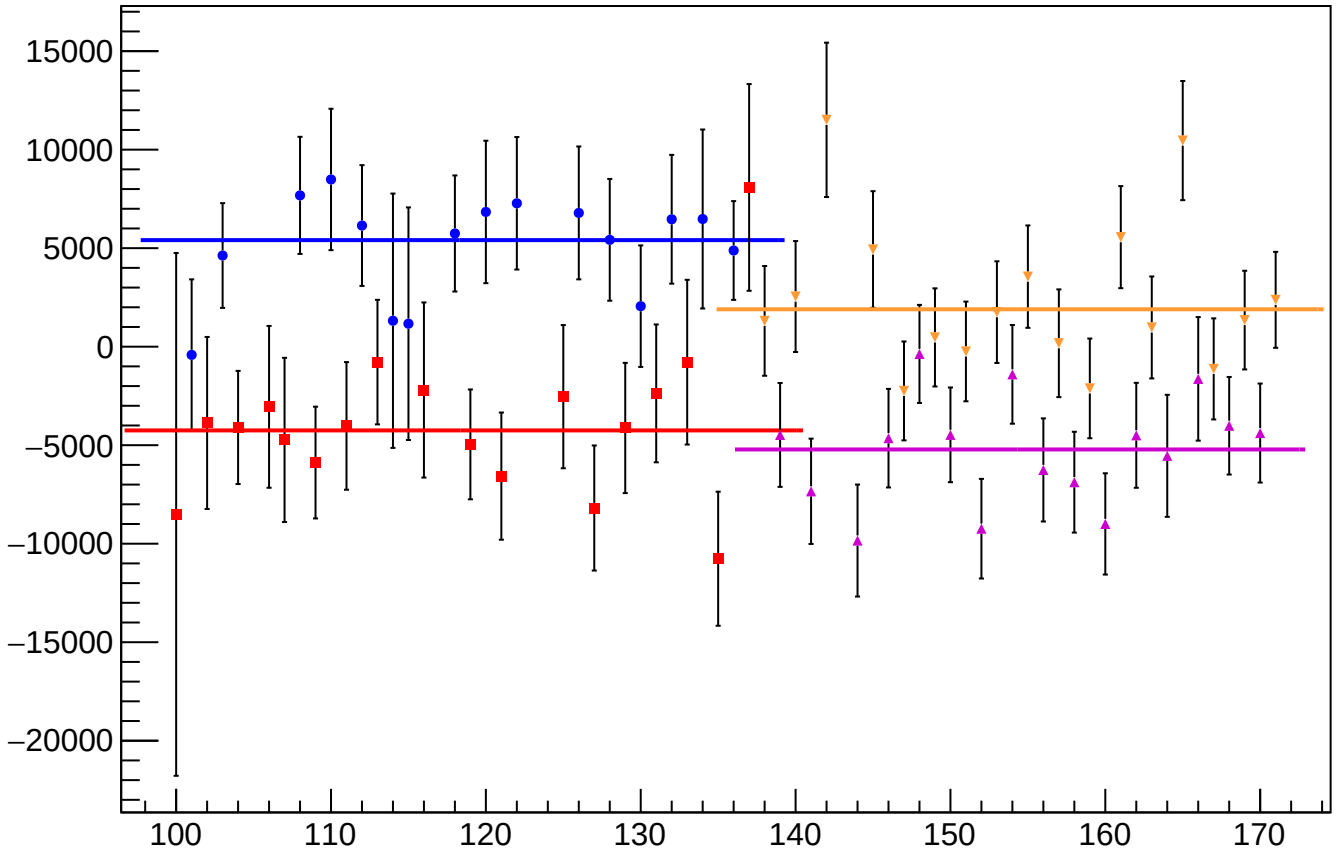
Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10287.600+/-2.047 χ^2/NDF:1011346.0/15

+ sign 9522.175+/-1.518 χ^2/NDF: 1521708.4/32

All: 9410.061+/-1.066 χ^2/NDF: 3582255.8/66

- sign 9301.209+/-1.496 χ^2/NDF: 2049800.9/33



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1898.119+/-647.270 χ^2/NDF:25.9/16

Right Out: -4249.899+/-839.336 χ^2/NDF: 14.5/17

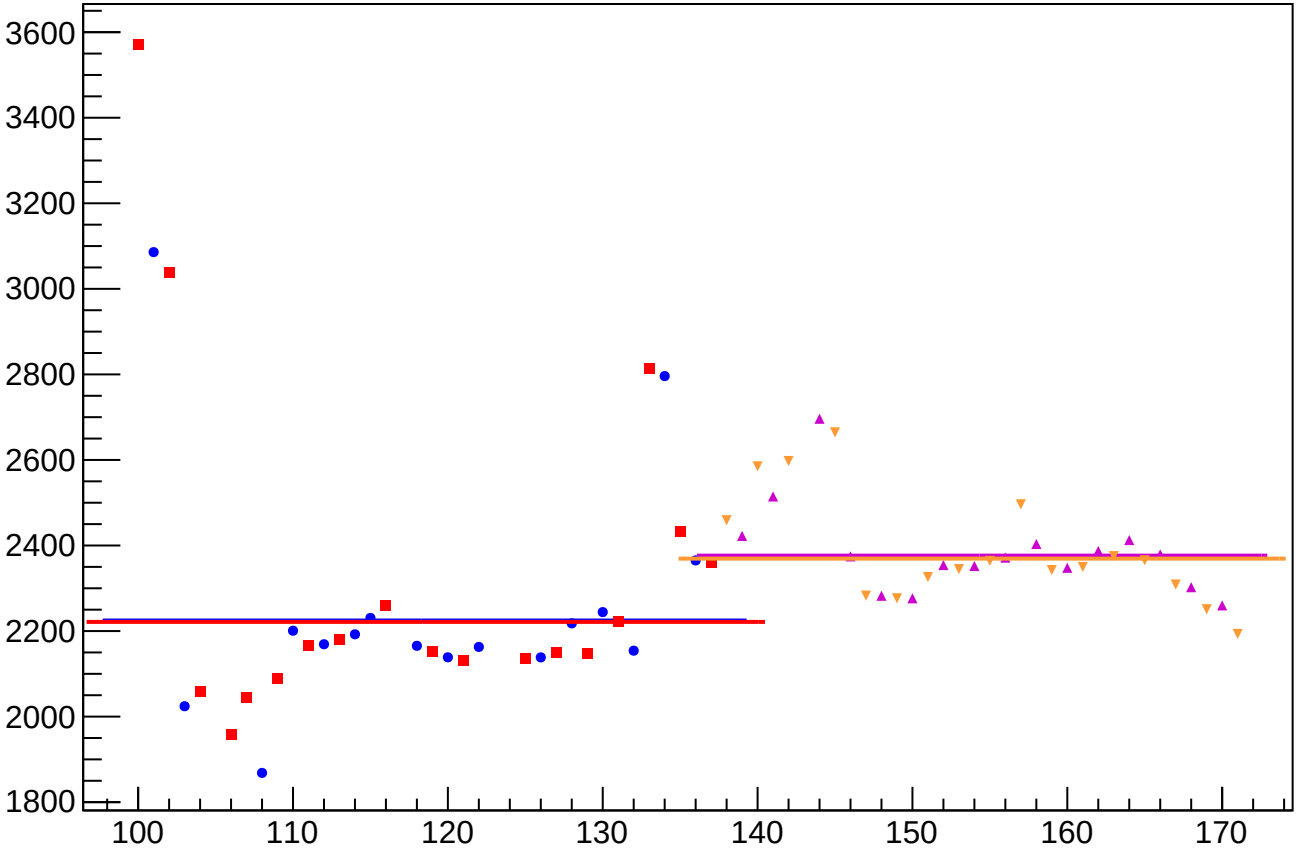
Left In: -5216.510+/-654.247 χ^2/NDF:16.6/15

+ sign 3218.089+/-511.267 χ^2/NDF: 43.7/32

All: -779.332+/-363.184 χ^2/NDF: 199.0/66

- sign -4851.178+/-516.005 χ^2/NDF: 31.9/33

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2369.364+/-0.458 χ^2/NDF:67124.5/16

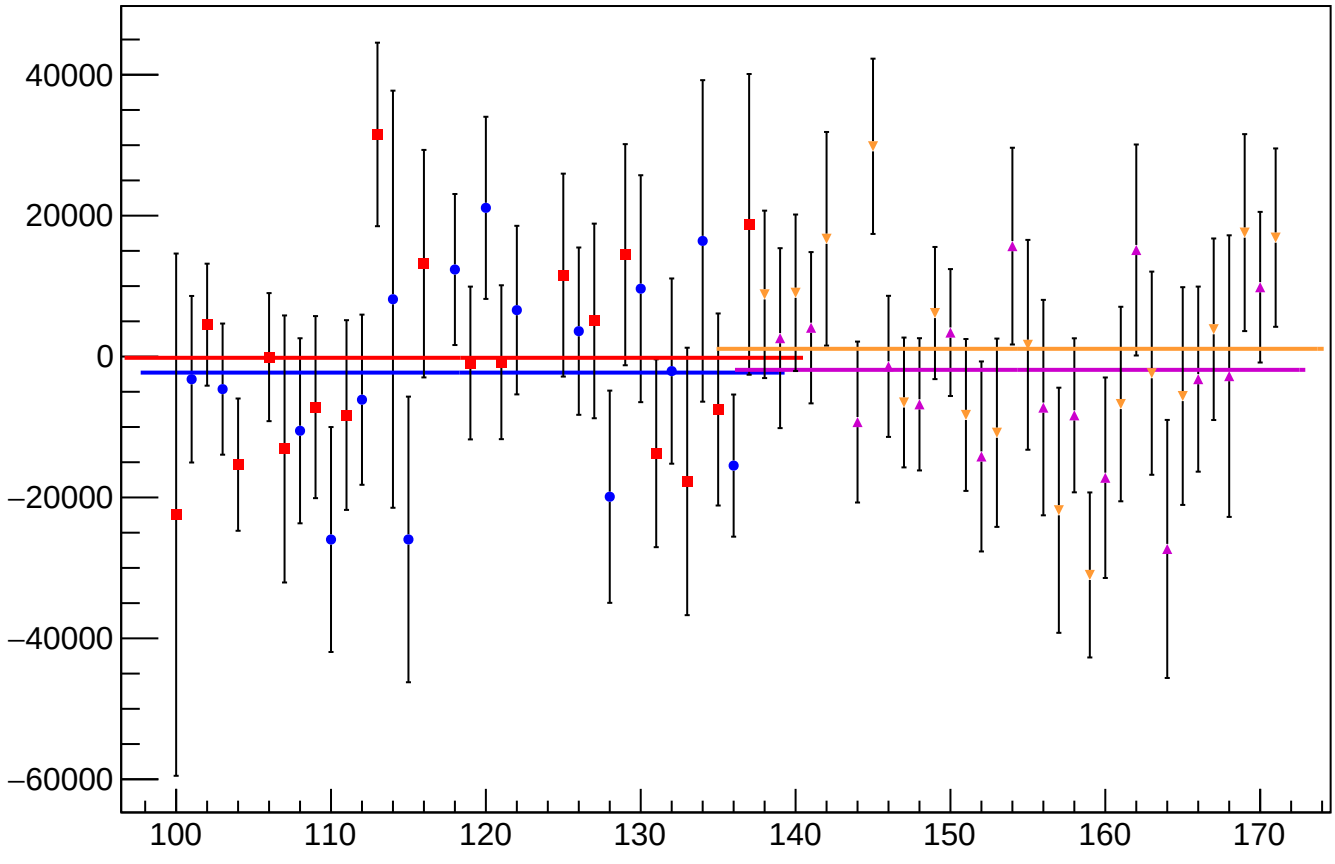
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2376.325+/-0.463 χ^2/NDF:44802.0/15

+ sign 2314.925+/-0.362 χ^2/NDF: 289421.2/32

All: 2316.318+/-0.257 χ^2/NDF: 546602.3/66

- sign 2317.735+/-0.365 χ^2/NDF: 257151.1/33



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 1099.022+/-3013.969 χ^2/NDF:22.7/16

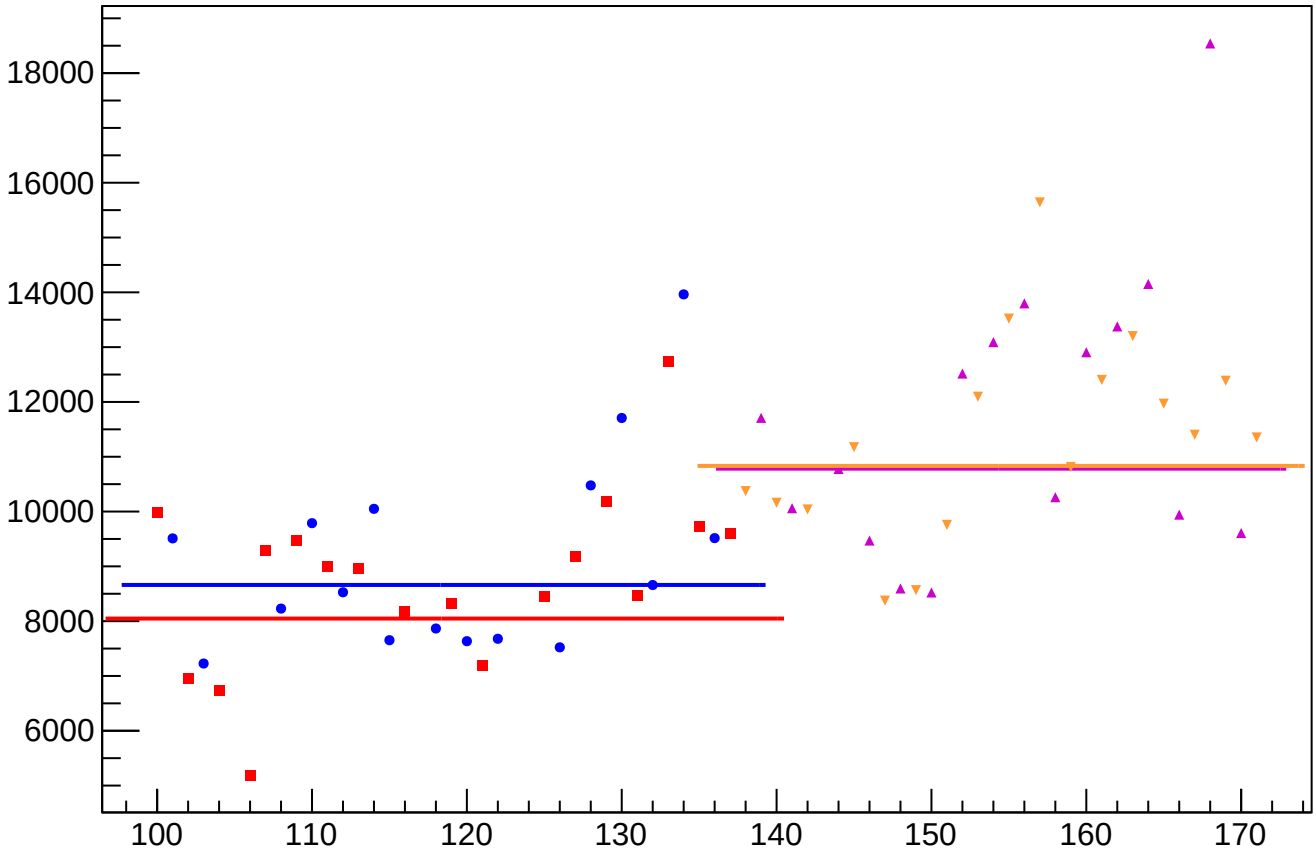
Right Out: -177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: -1886.437+/-3031.419 χ^2/NDF:10.0/15

+ sign -451.430+/-2216.736 χ^2/NDF: 37.7/32

All: -751.704+/-1541.454 χ^2/NDF: 63.5/66

- sign -1032.839+/-2144.927 χ^2/NDF: 25.8/33



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10832.632+/-2.131 χ^2/NDF:654810.3/16

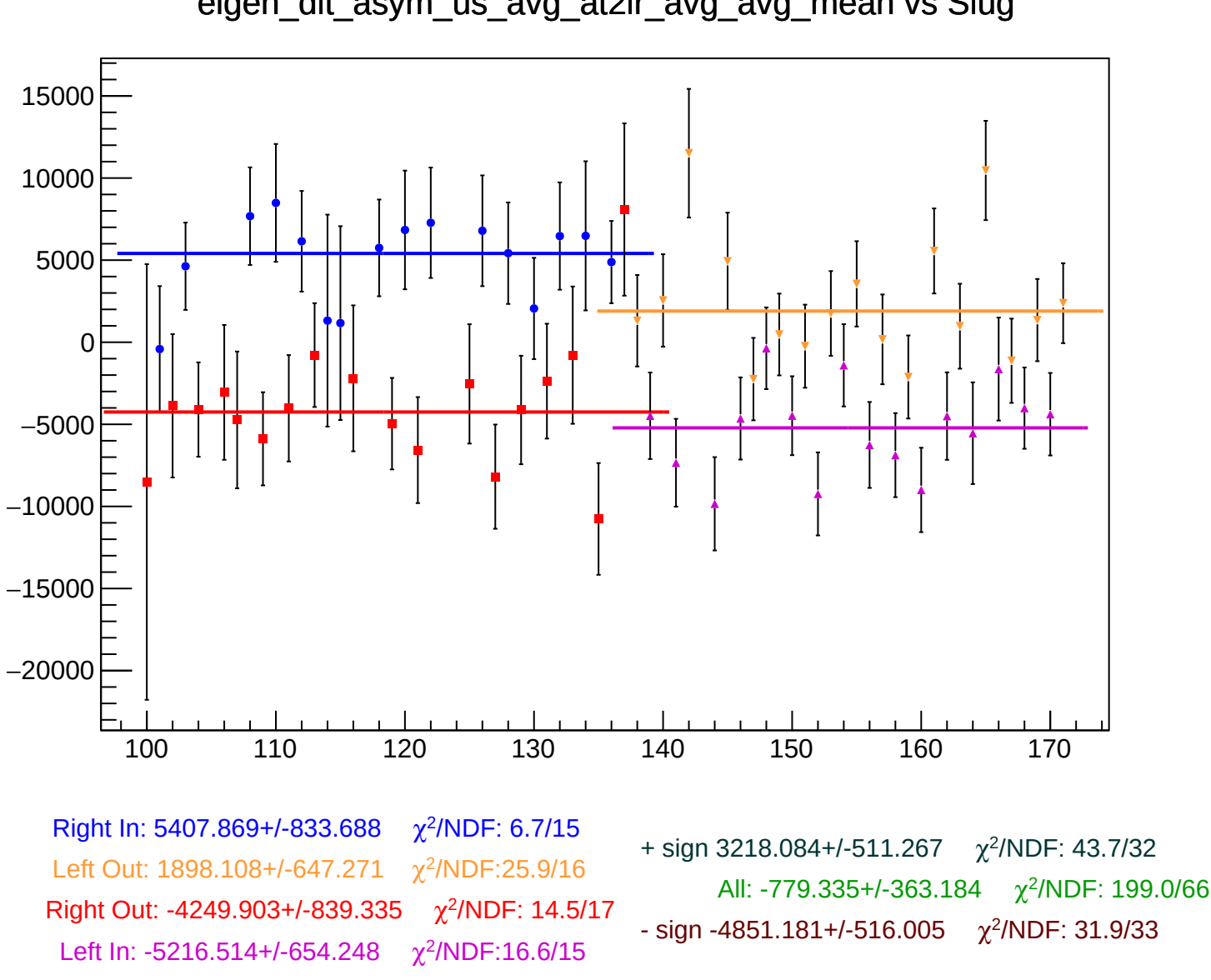
Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10782.537+/-2.144 χ^2/NDF:964437.0/15

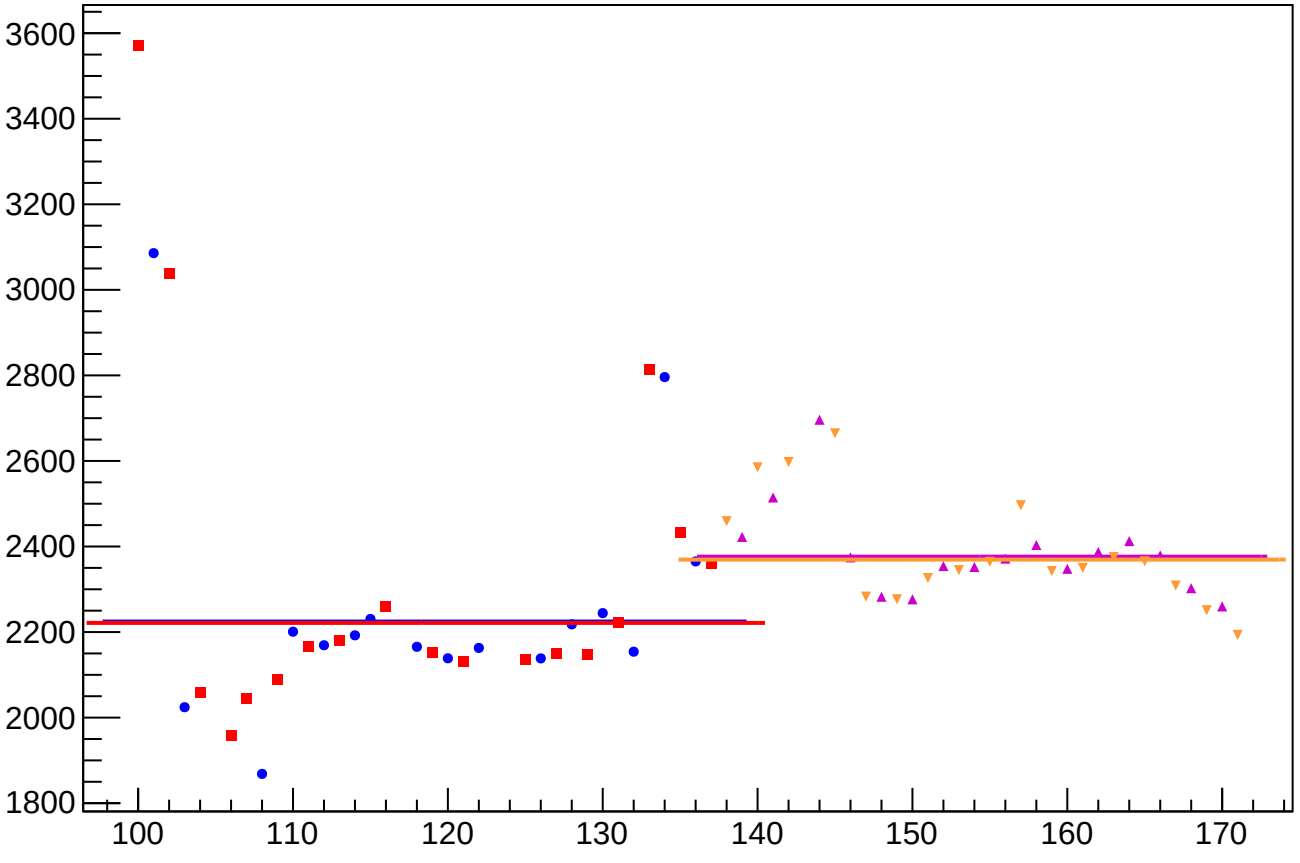
+ sign 9835.603+/-1.567 χ^2/NDF: 1489532.0/32

All: 9619.295+/-1.090 χ^2/NDF: 3862388.4/66

- sign 9416.773+/-1.517 χ^2/NDF: 2335982.8/33


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 1898.108+/-647.271 χ²/NDF:25.9/16
Right Out: -4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: -5216.514+/-654.248 χ²/NDF:16.6/15
+ sign 3218.084+/-511.267 χ²/NDF: 43.7/32
All: -779.335+/-363.184 χ²/NDF: 199.0/66
- sign -4851.181+/-516.005 χ²/NDF: 31.9/33

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: 2369.366+/-0.458 χ^2/NDF:67126.6/16

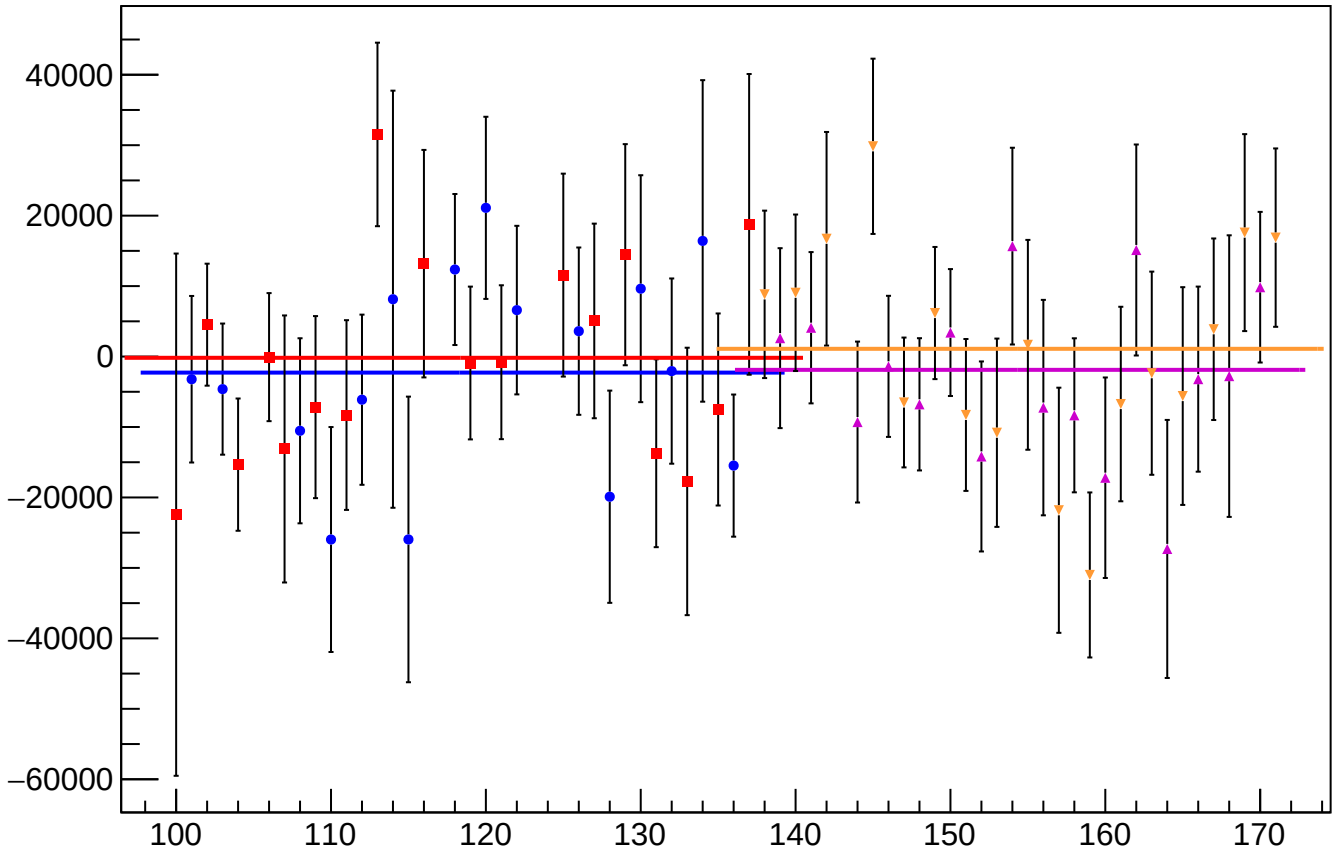
Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2376.328+/-0.463 χ^2/NDF:44802.5/15

+ sign 2314.926+/-0.362 χ^2/NDF: 289425.3/32

All: 2316.319+/-0.257 χ^2/NDF: 546609.1/66

- sign 2317.737+/-0.365 χ^2/NDF: 257153.9/33



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 1099.015+/-3013.974 χ^2/NDF:22.7/16

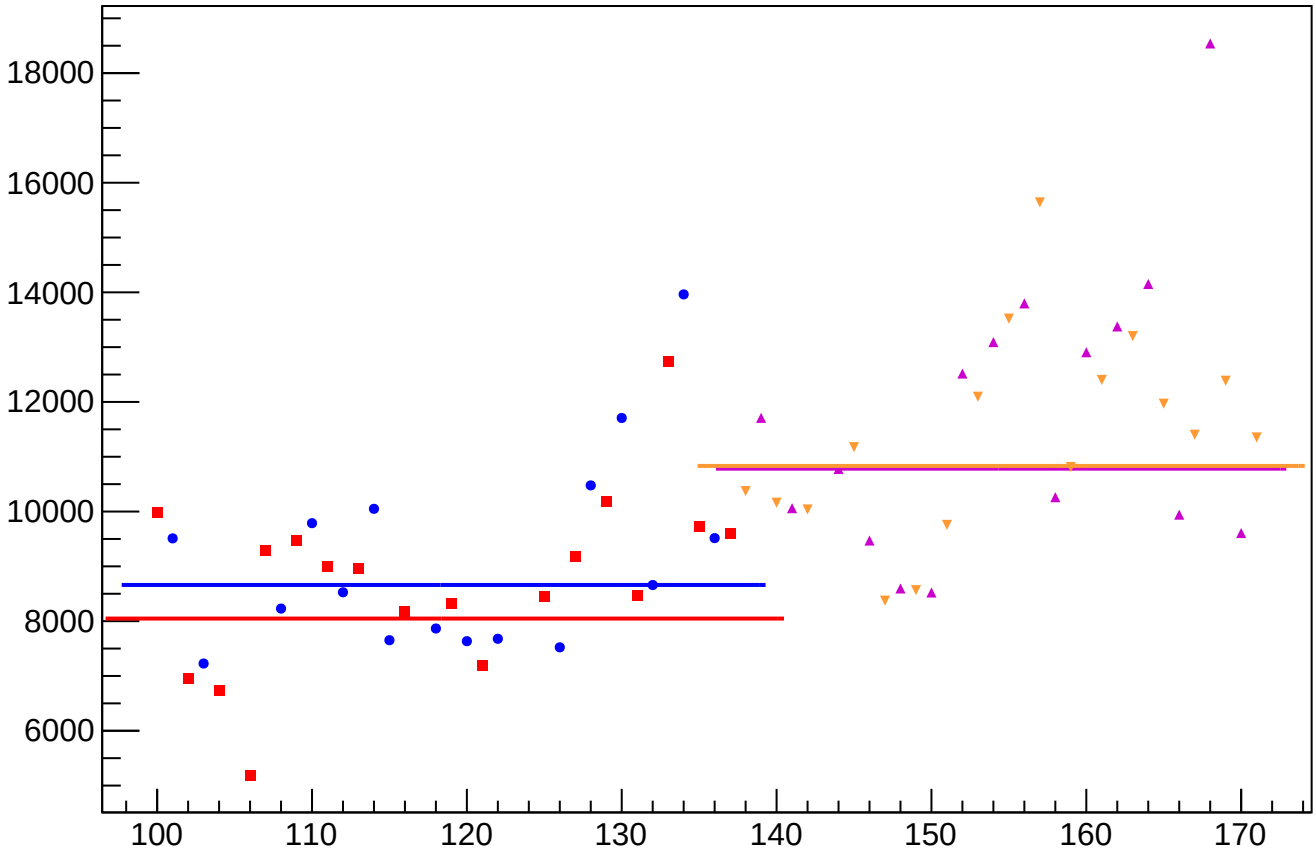
Right Out: -177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: -1886.435+/-3031.423 χ^2/NDF:10.0/15

+ sign -451.430+/-2216.736 χ^2/NDF: 37.7/32

All: -751.704+/-1541.453 χ^2/NDF: 63.5/66

- sign -1032.838+/-2144.926 χ^2/NDF: 25.8/33



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10832.648+/-2.131 χ^2/NDF:654812.2/16

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

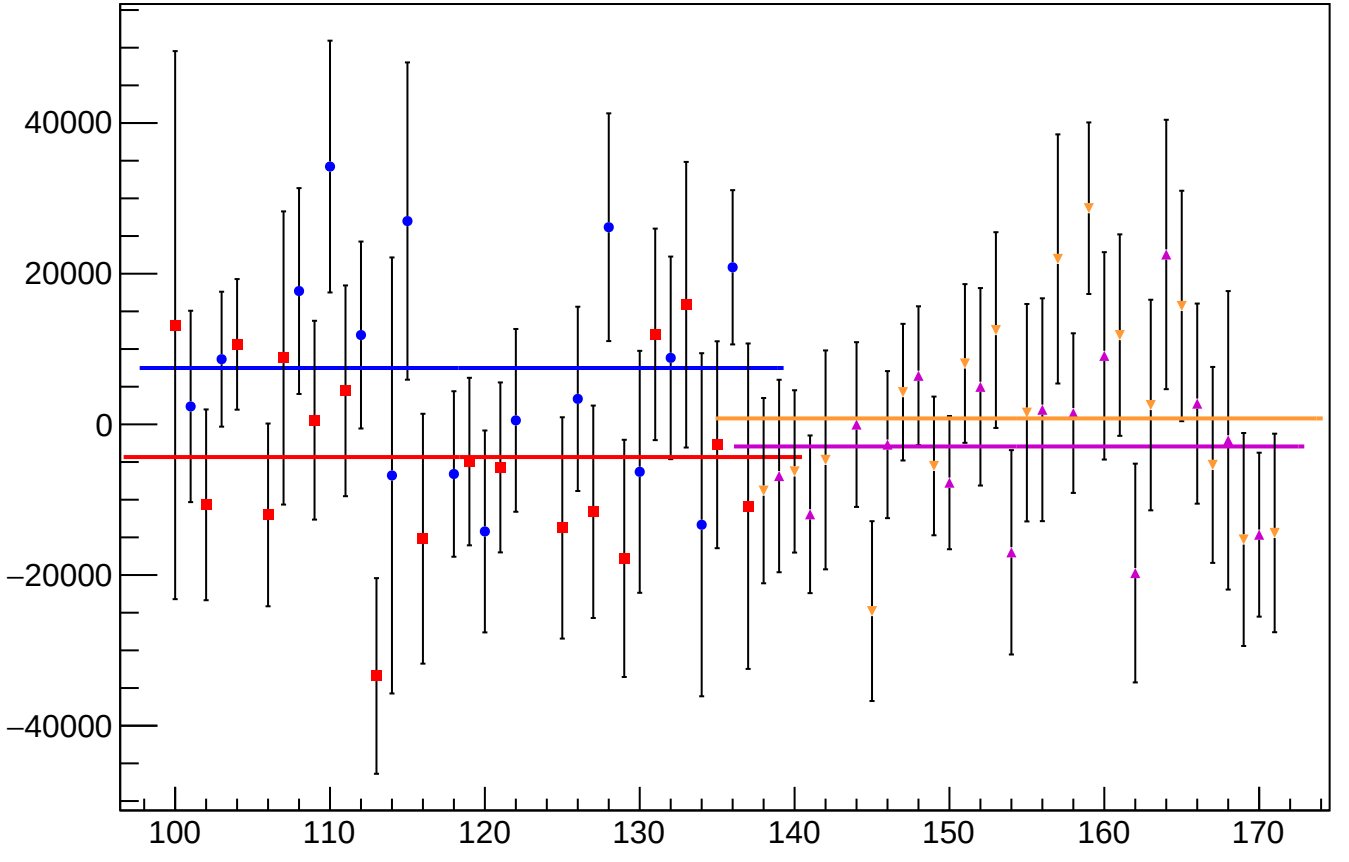
Left In: 10782.552+/-2.144 χ^2/NDF:964439.1/15

+ sign 9835.598+/-1.567 χ^2/NDF: 1489553.1/32

All: 9619.289+/-1.090 χ^2/NDF: 3862430.3/66

- sign 9416.766+/-1.517 χ^2/NDF: 2336003.4/33

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 789.411+/-2965.446 χ^2/NDF:19.8/16

Right Out: -4338.165+/-3242.620 χ^2/NDF: 14.3/17

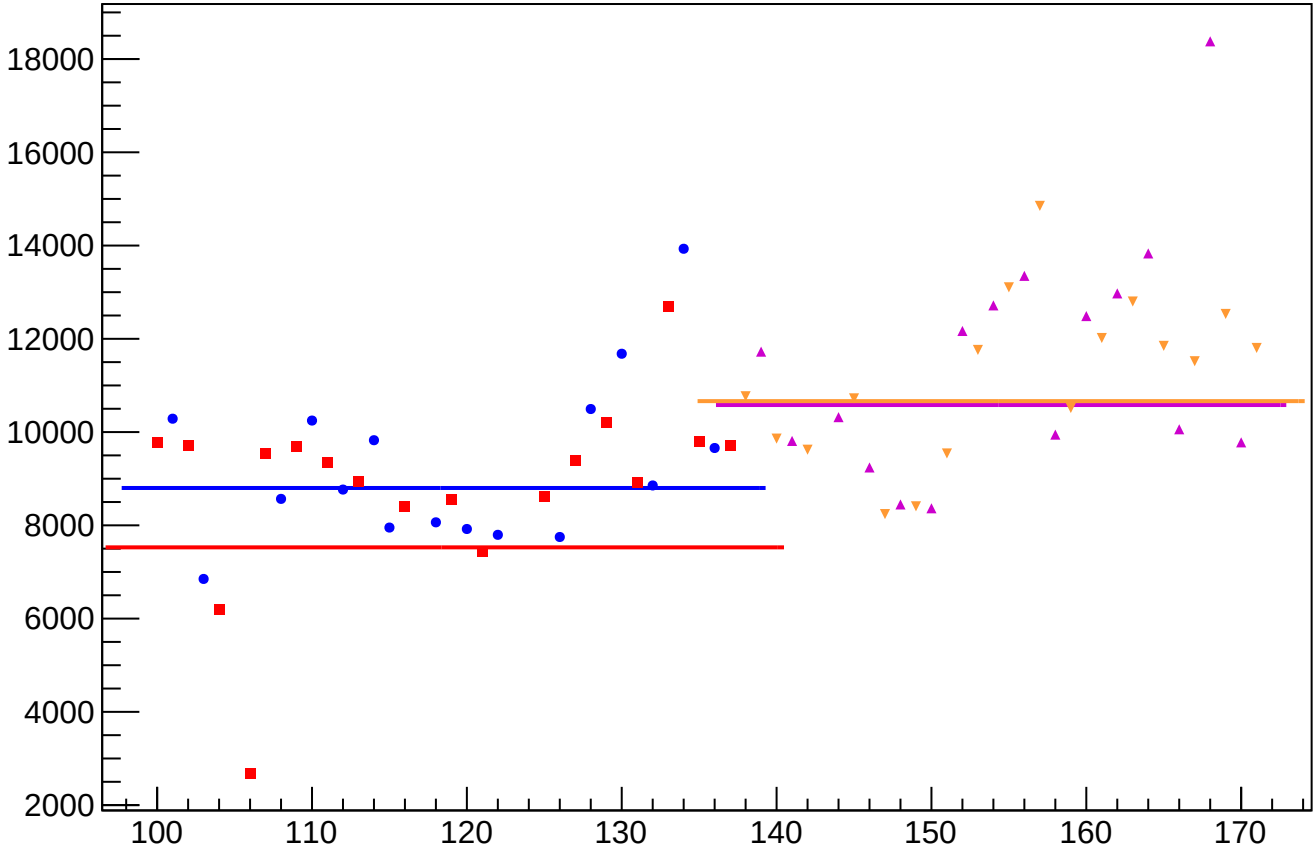
Left In: -2933.377+/-2971.920 χ^2/NDF:9.4/15

+ sign 3748.440+/-2214.872 χ^2/NDF: 36.1/32

All: 47.070+/-1557.615 χ^2/NDF: 65.5/66

- sign -3574.695+/-2190.925 χ^2/NDF: 23.8/33

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10663.661+/-2.097 χ^2/NDF:645049.6/16

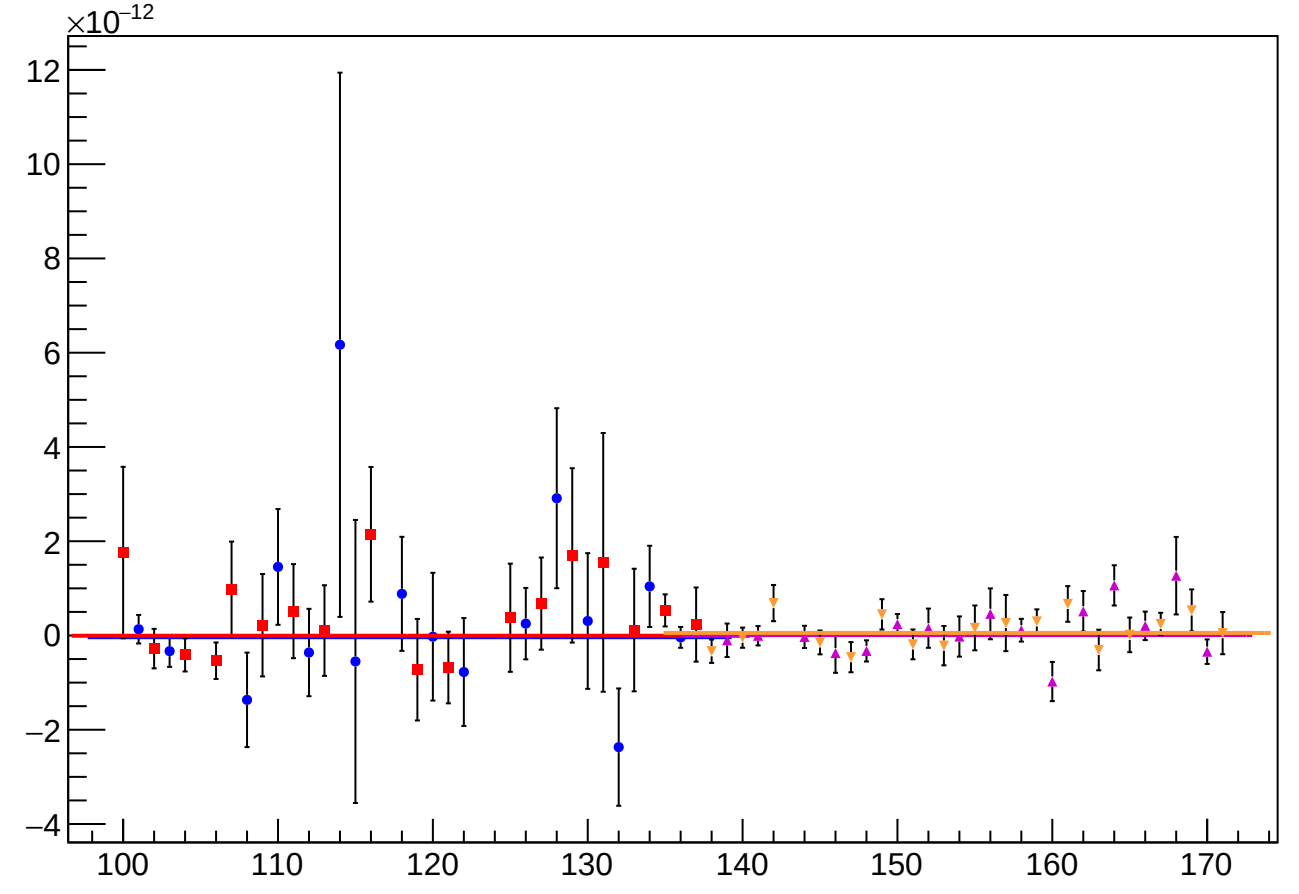
Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10580.145+/-2.101 χ^2/NDF:937161.3/15

+ sign 9840.107+/-1.566 χ^2/NDF: 1388490.8/32

All: 9439.014+/-1.082 χ^2/NDF: 5149792.0/66

- sign 9073.355+/-1.495 χ^2/NDF: 3635918.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/16

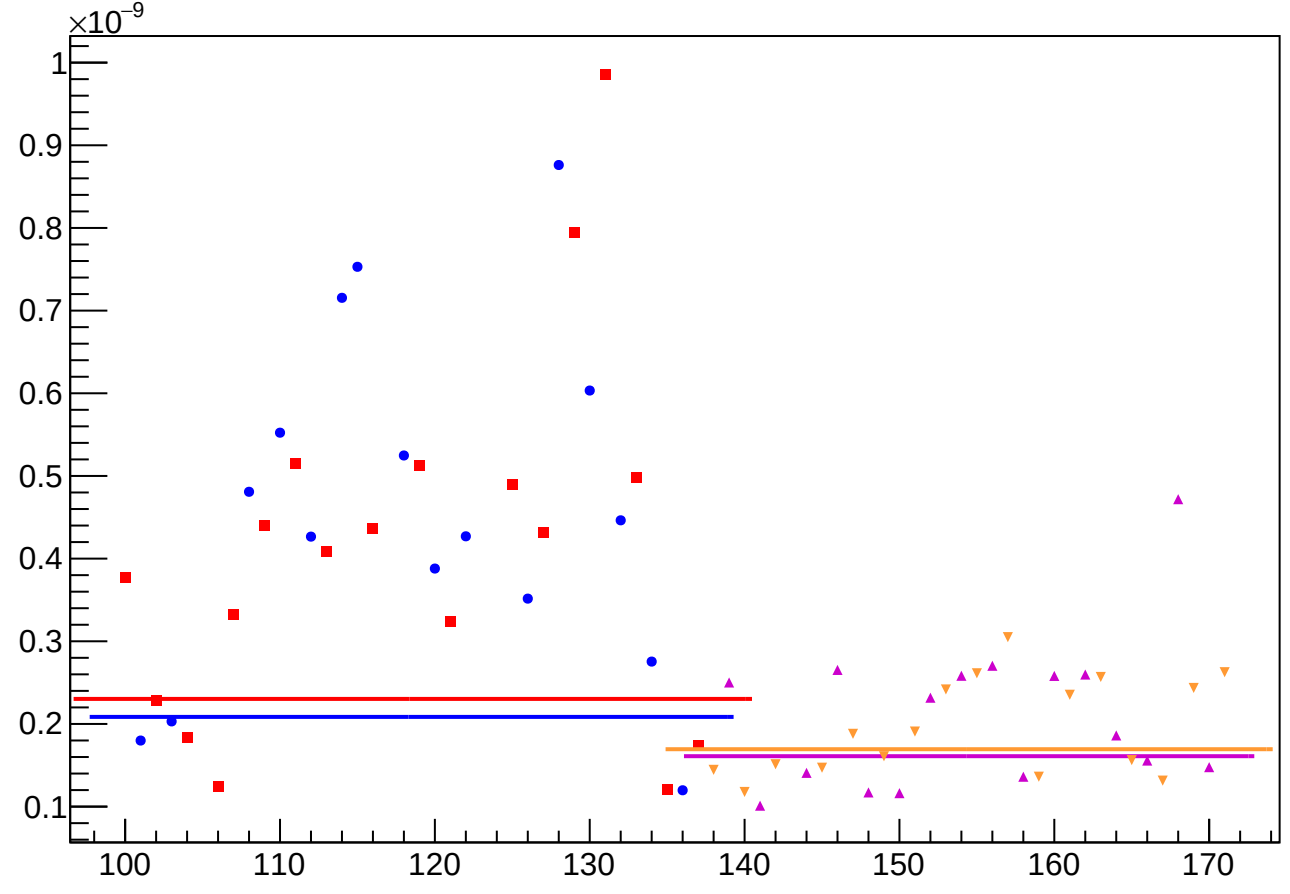
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:23.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/32

All: 0.000+/-0.000 χ^2/NDF: 68.8/66

- sign 0.000+/-0.000 χ^2/NDF: 36.8/33



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:784507.9/16

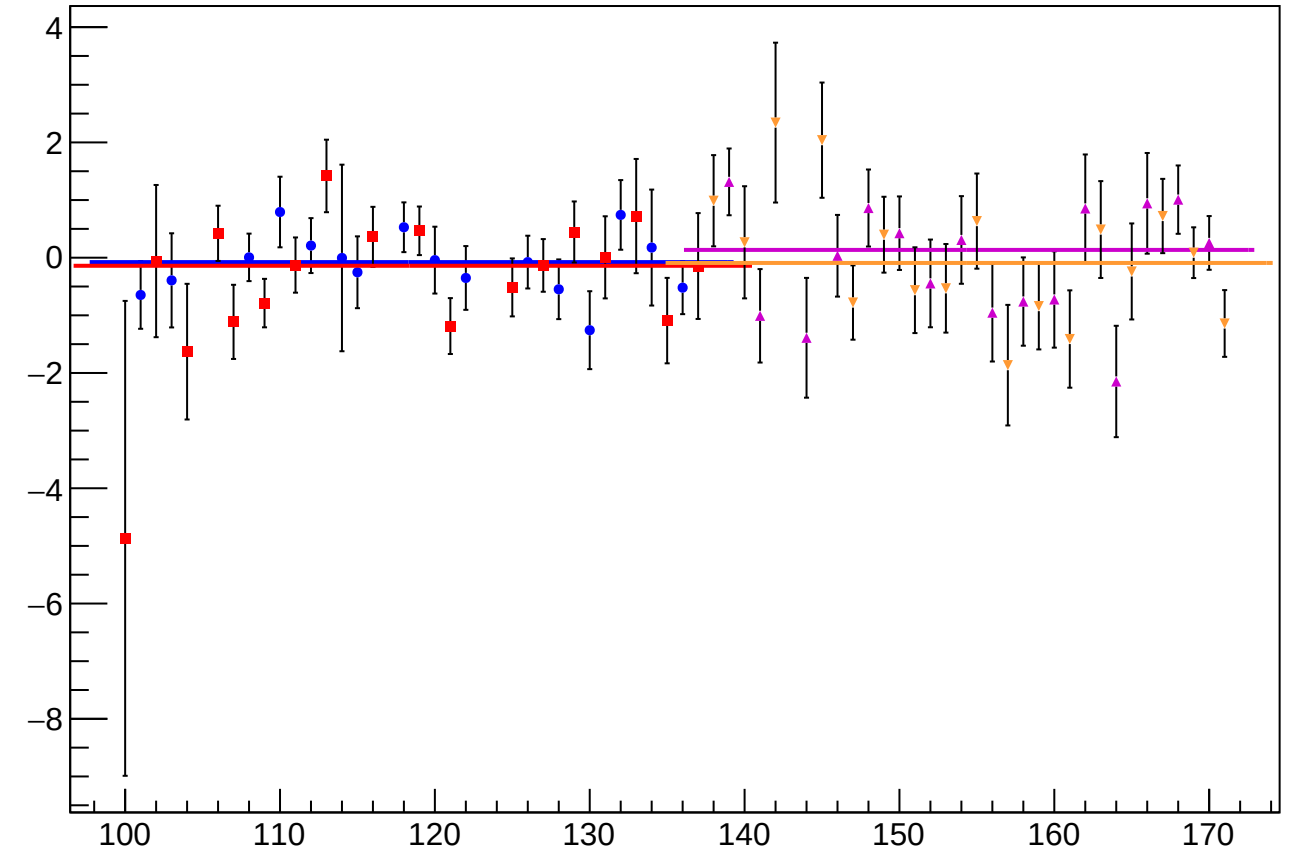
Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1376835.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 2533755.1/32

All: 0.000+/-0.000 χ^2/NDF: 5793121.5/66

- sign 0.000+/-0.000 χ^2/NDF: 3255507.7/33



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.091+/-0.179 χ^2/NDF:24.7/16

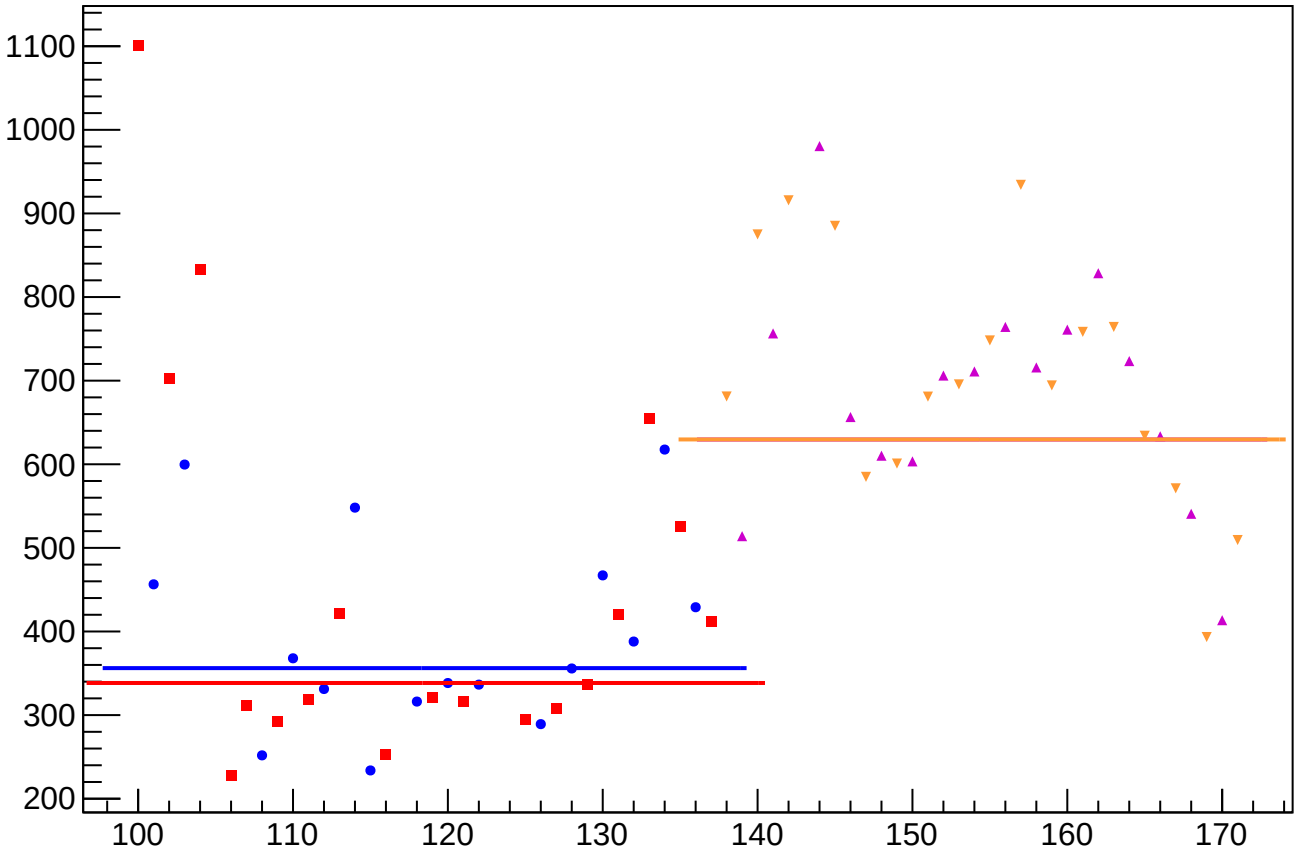
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.135+/-0.179 χ^2/NDF:23.7/15

+ sign -0.082+/-0.110 χ^2/NDF: 37.2/32

All: -0.060+/-0.078 χ^2/NDF: 89.4/66

- sign -0.038+/-0.109 χ^2/NDF: 52.1/33



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.689+/-0.126 χ^2/NDF:1391381.1/16

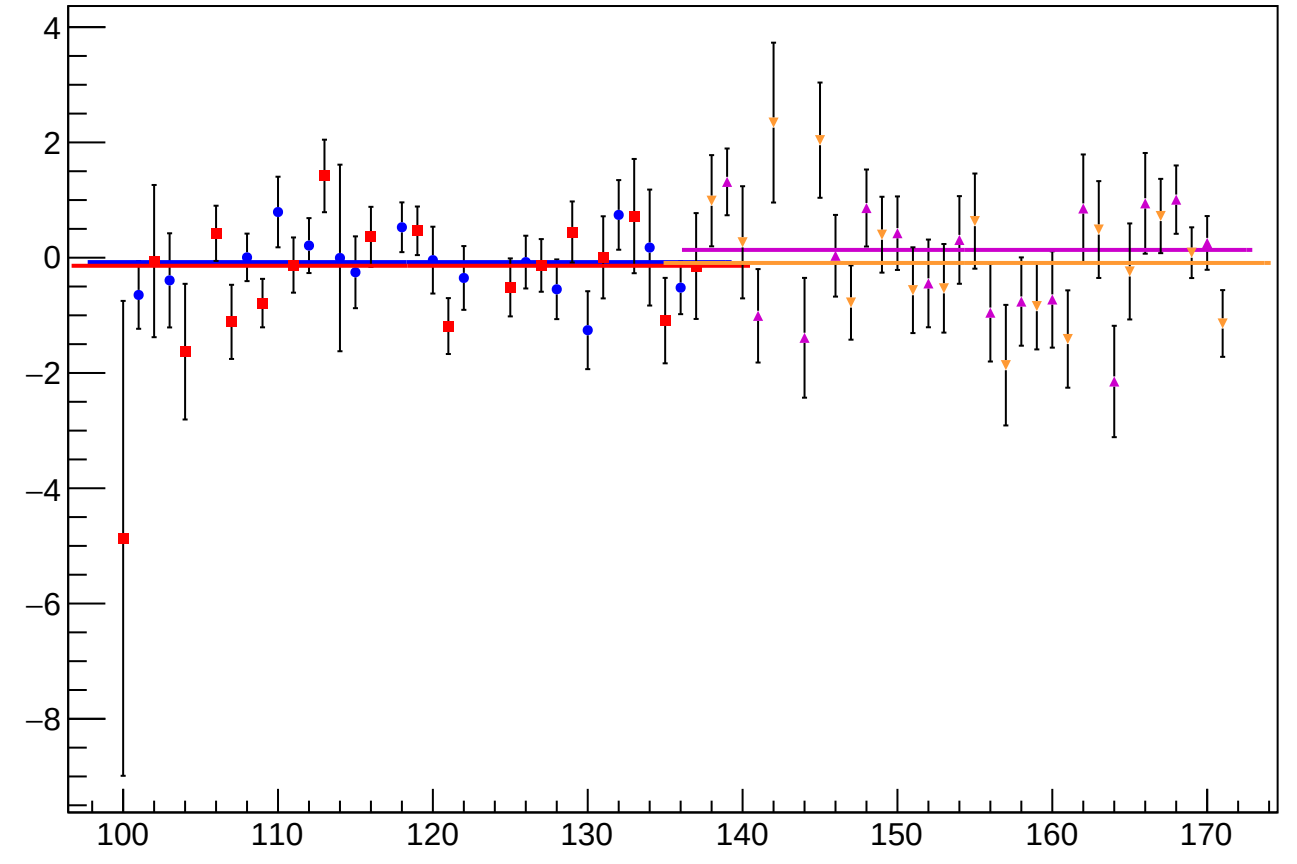
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 629.592+/-0.127 χ^2/NDF:1117129.3/15

+ sign 460.202+/-0.078 χ^2/NDF: 5083396.4/32

All: 453.371+/-0.055 χ^2/NDF: 10729950.4/66

- sign 446.635+/-0.077 χ^2/NDF: 5631272.1/33



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.091+/-0.179 χ^2/NDF:24.7/16

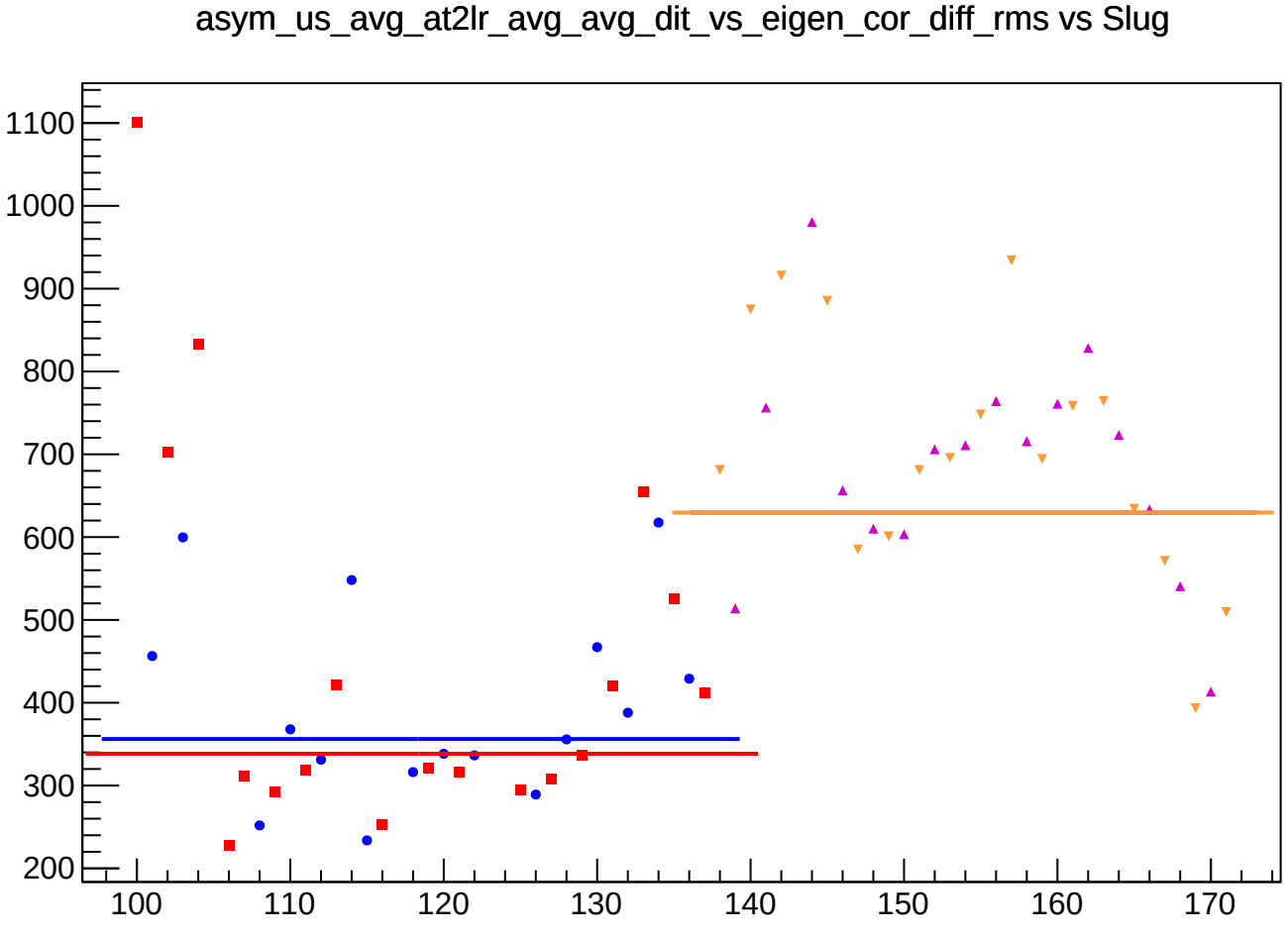
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.135+/-0.179 χ^2/NDF:23.7/15

+ sign -0.082+/-0.110 χ^2/NDF: 37.2/32

All: -0.060+/-0.078 χ^2/NDF: 89.4/66

- sign -0.038+/-0.109 χ^2/NDF: 52.1/33



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.689+/-0.126 χ^2/NDF:1391381.1/16

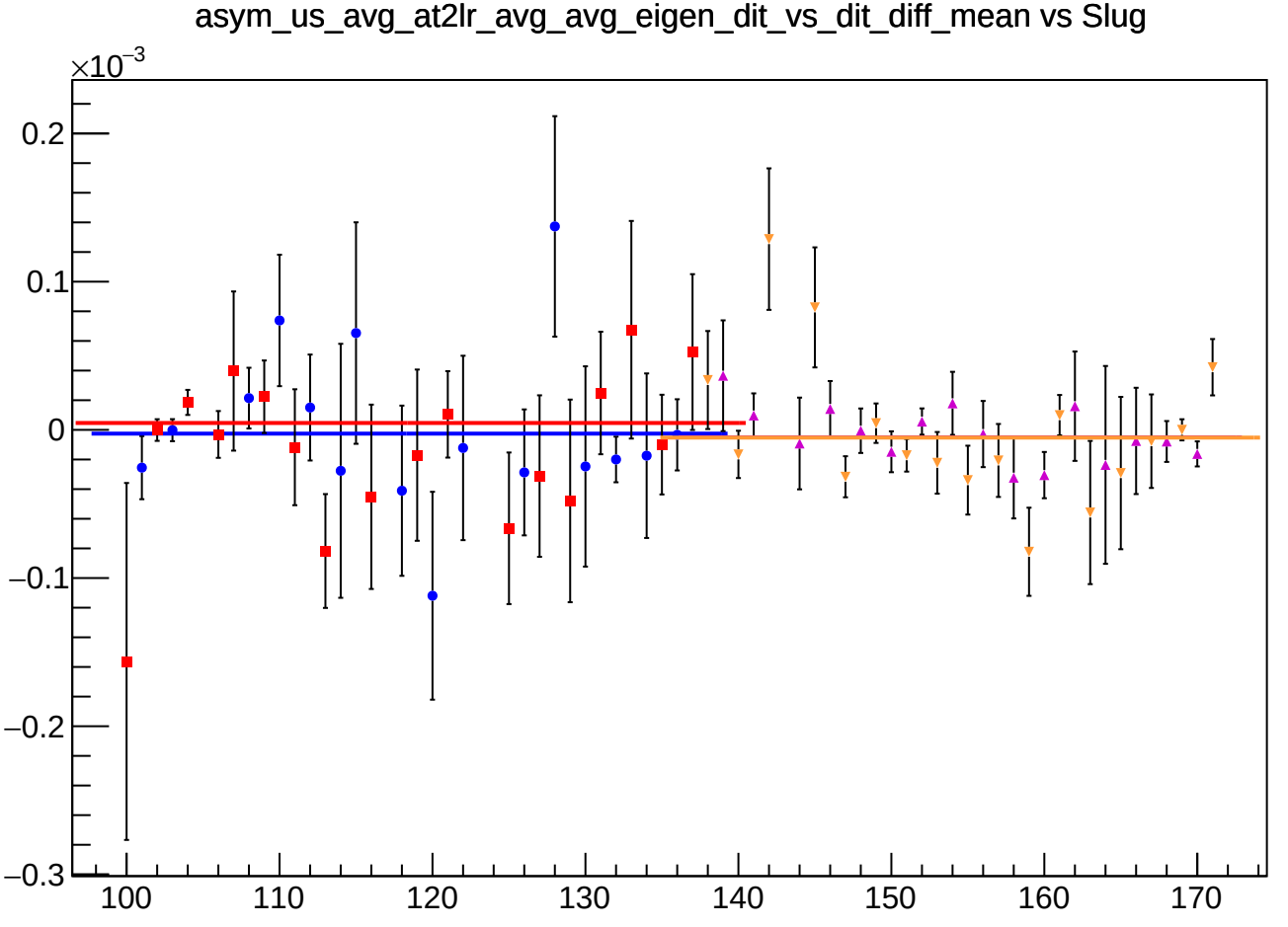
Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 629.592+/-0.127 χ^2/NDF:1117129.3/15

+ sign 460.202+/-0.078 χ^2/NDF: 5083396.4/32

All: 453.371+/-0.055 χ^2/NDF: 10729950.4/66

- sign 446.635+/-0.077 χ^2/NDF: 5631272.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/16

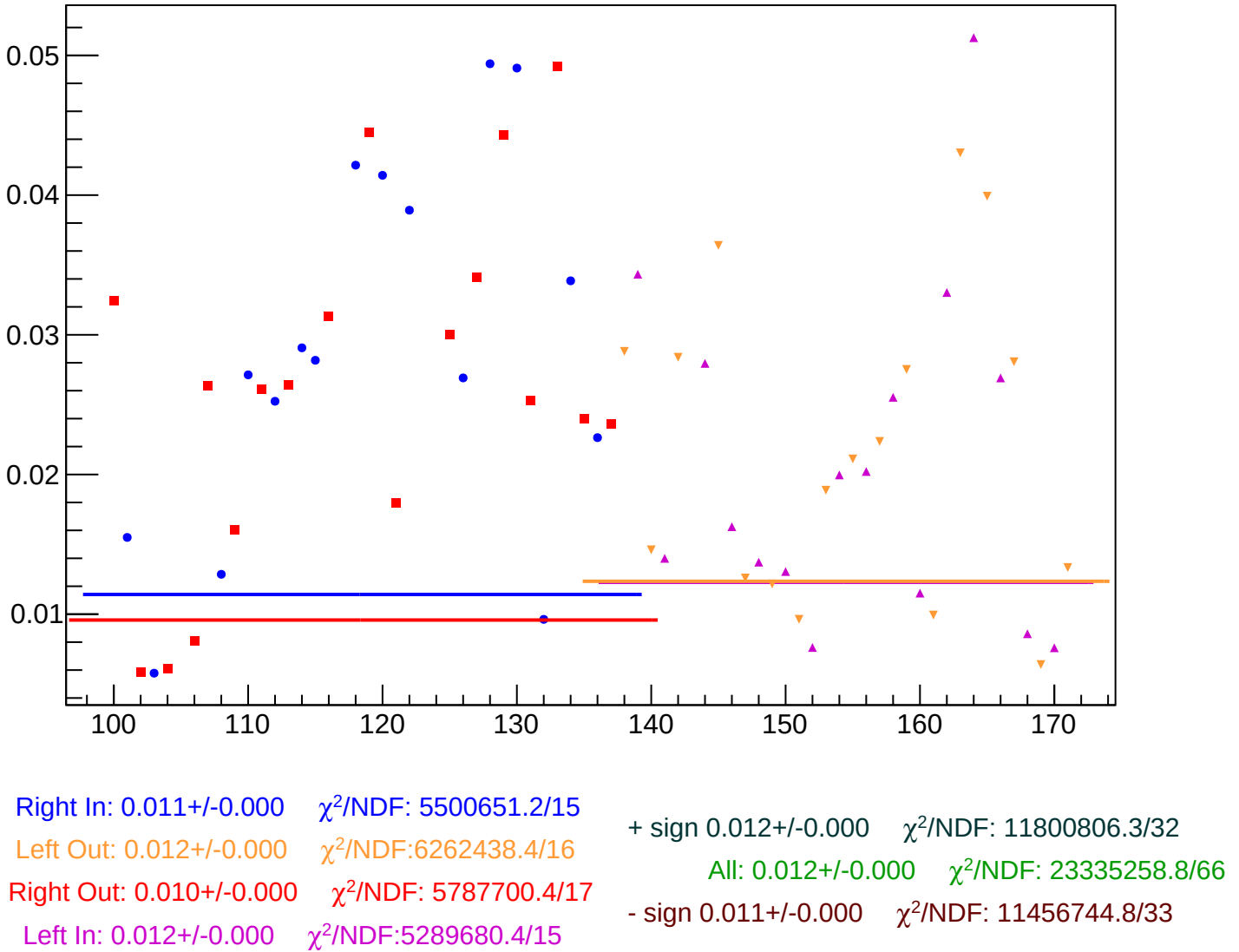
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/17

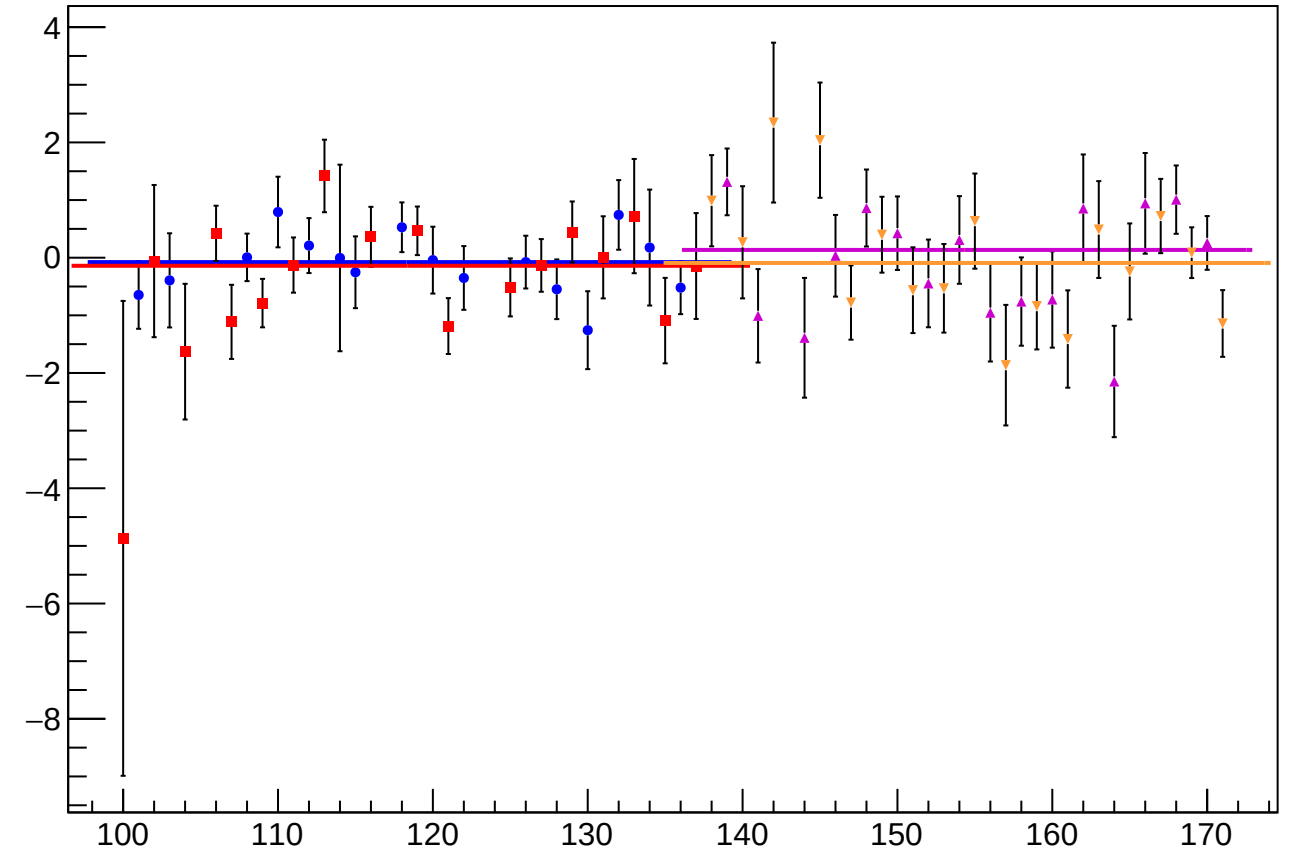
Left In: -0.000+/-0.000 χ^2/NDF:12.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/32

All: -0.000+/-0.000 χ^2/NDF: 86.0/66

- sign -0.000+/-0.000 χ^2/NDF: 31.8/33


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 5500651.2/15
Left Out: 0.012+/-0.000 χ²/NDF:6262438.4/16
Right Out: 0.010+/-0.000 χ²/NDF: 5787700.4/17
Left In: 0.012+/-0.000 χ²/NDF:5289680.4/15
+ sign 0.012+/-0.000 χ²/NDF: 11800806.3/32
All: 0.012+/-0.000 χ²/NDF: 23335258.8/66
- sign 0.011+/-0.000 χ²/NDF: 11456744.8/33



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.091+/-0.179 χ^2/NDF:24.7/16

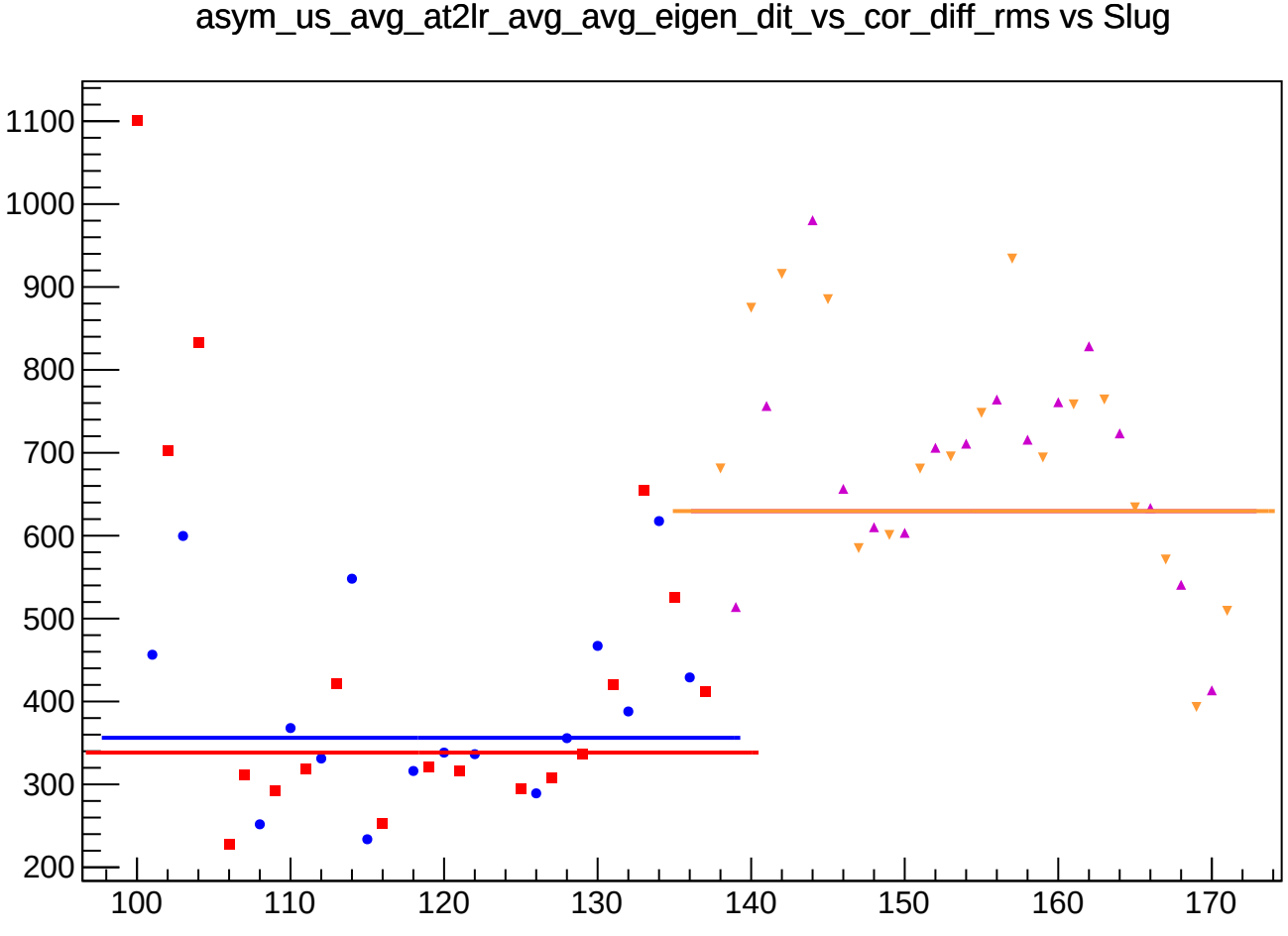
Right Out: -0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.135+/-0.179 χ^2/NDF:23.7/15

+ sign -0.082+/-0.110 χ^2/NDF: 37.2/32

All: -0.060+/-0.078 χ^2/NDF: 89.4/66

- sign -0.038+/-0.109 χ^2/NDF: 52.1/33



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.693+/-0.126 χ^2/NDF:1391493.6/16

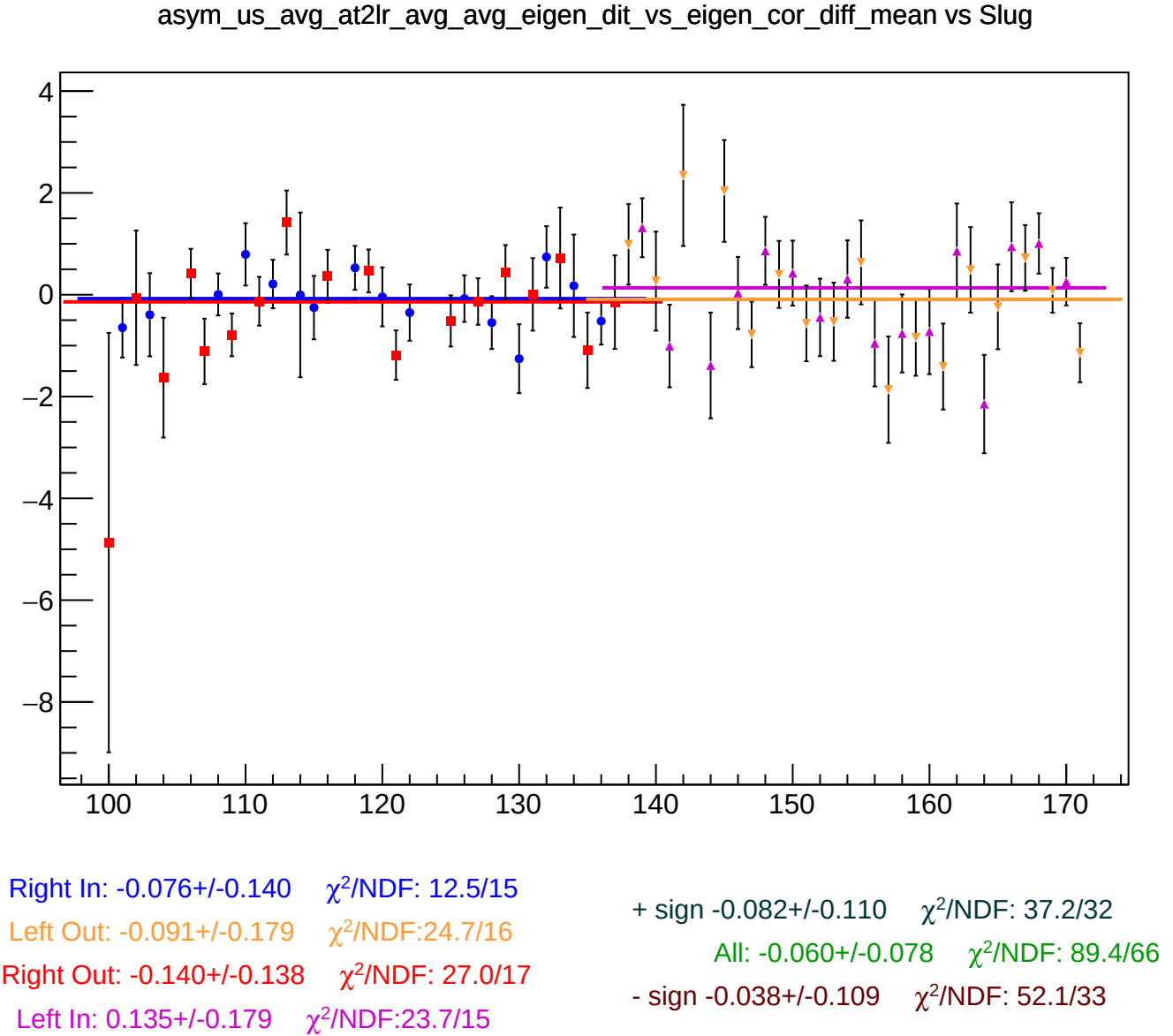
Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

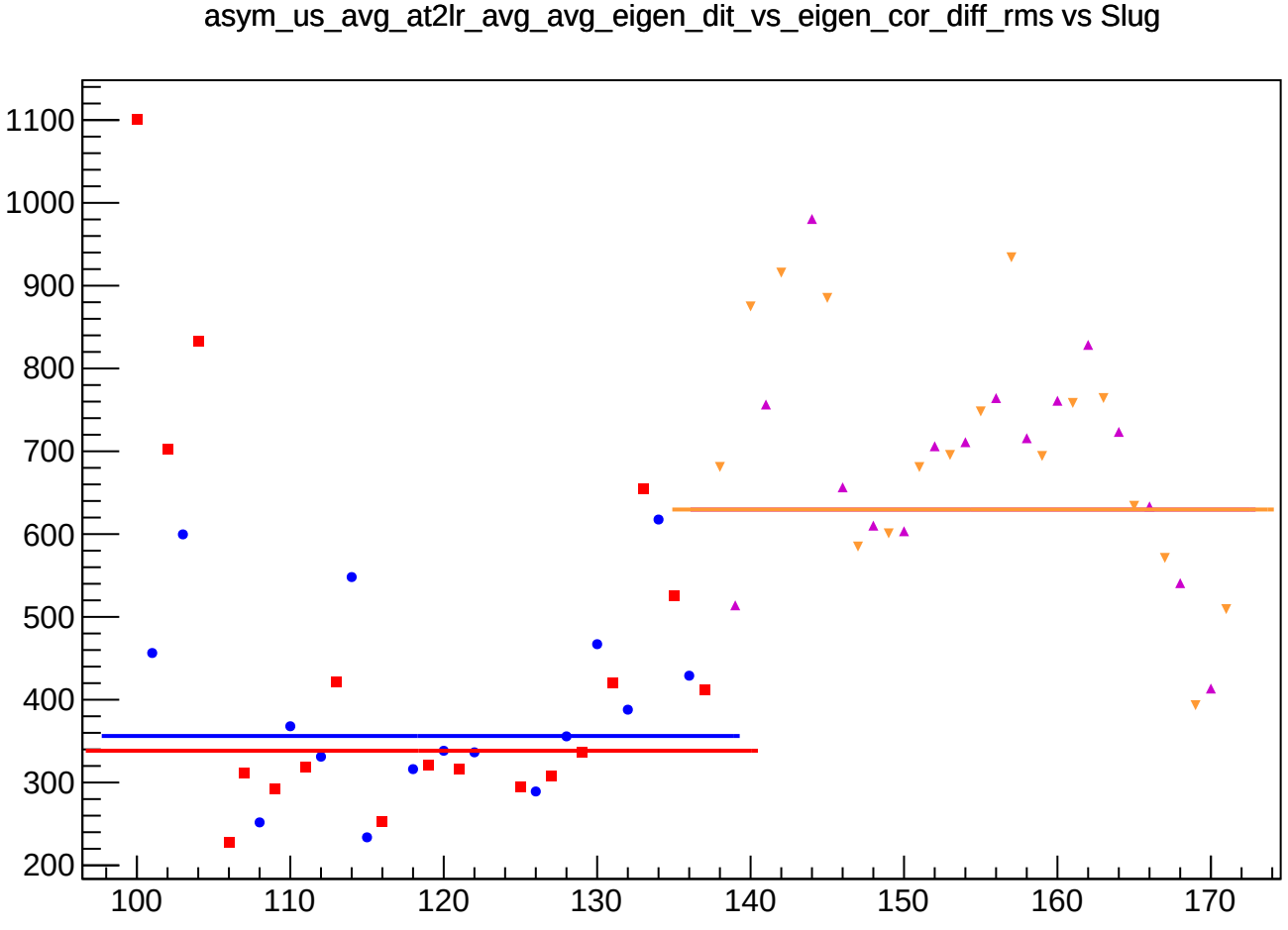
Left In: 629.601+/-0.127 χ^2/NDF:1117160.8/15

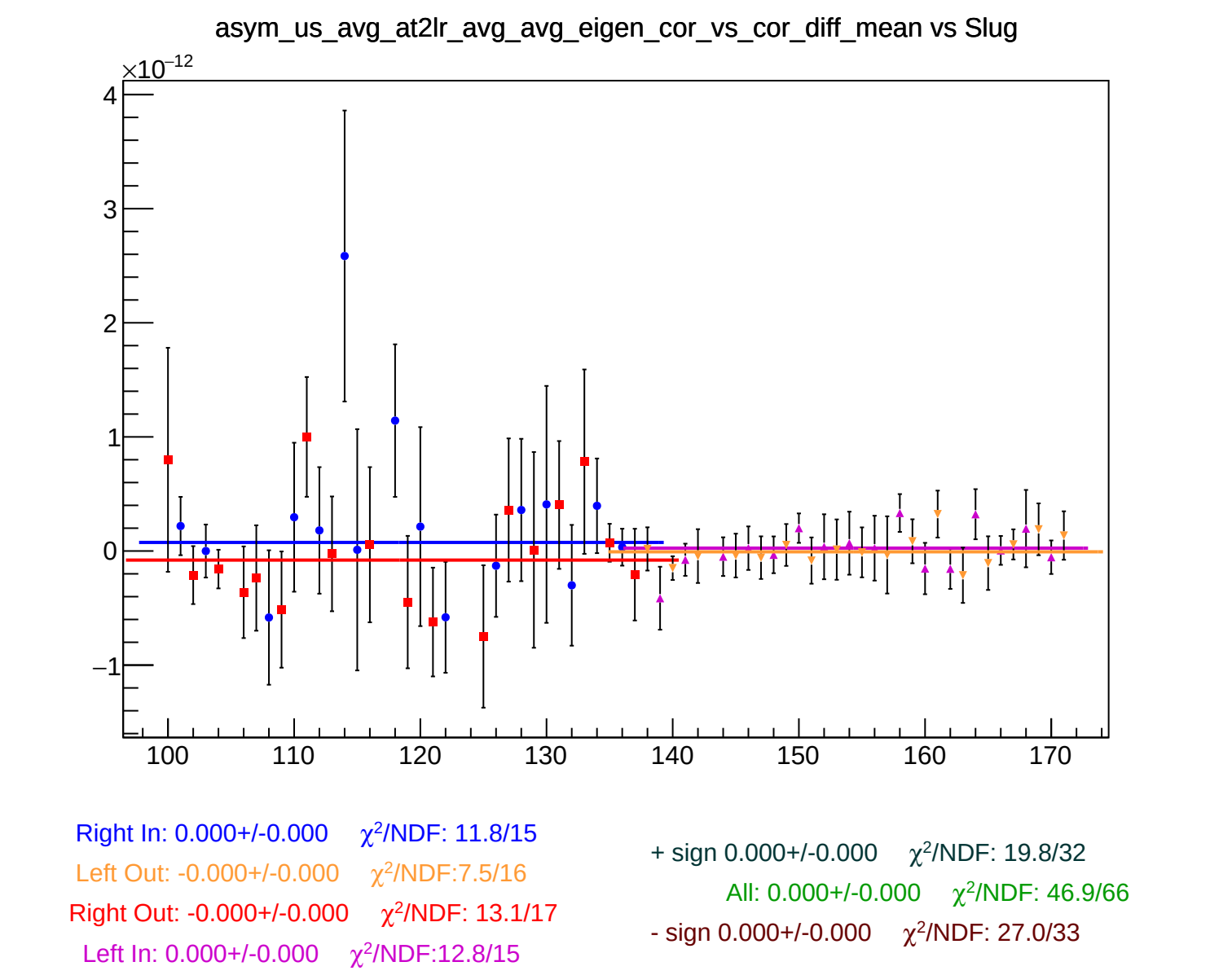
+ sign 460.201+/-0.078 χ^2/NDF: 5083564.1/32

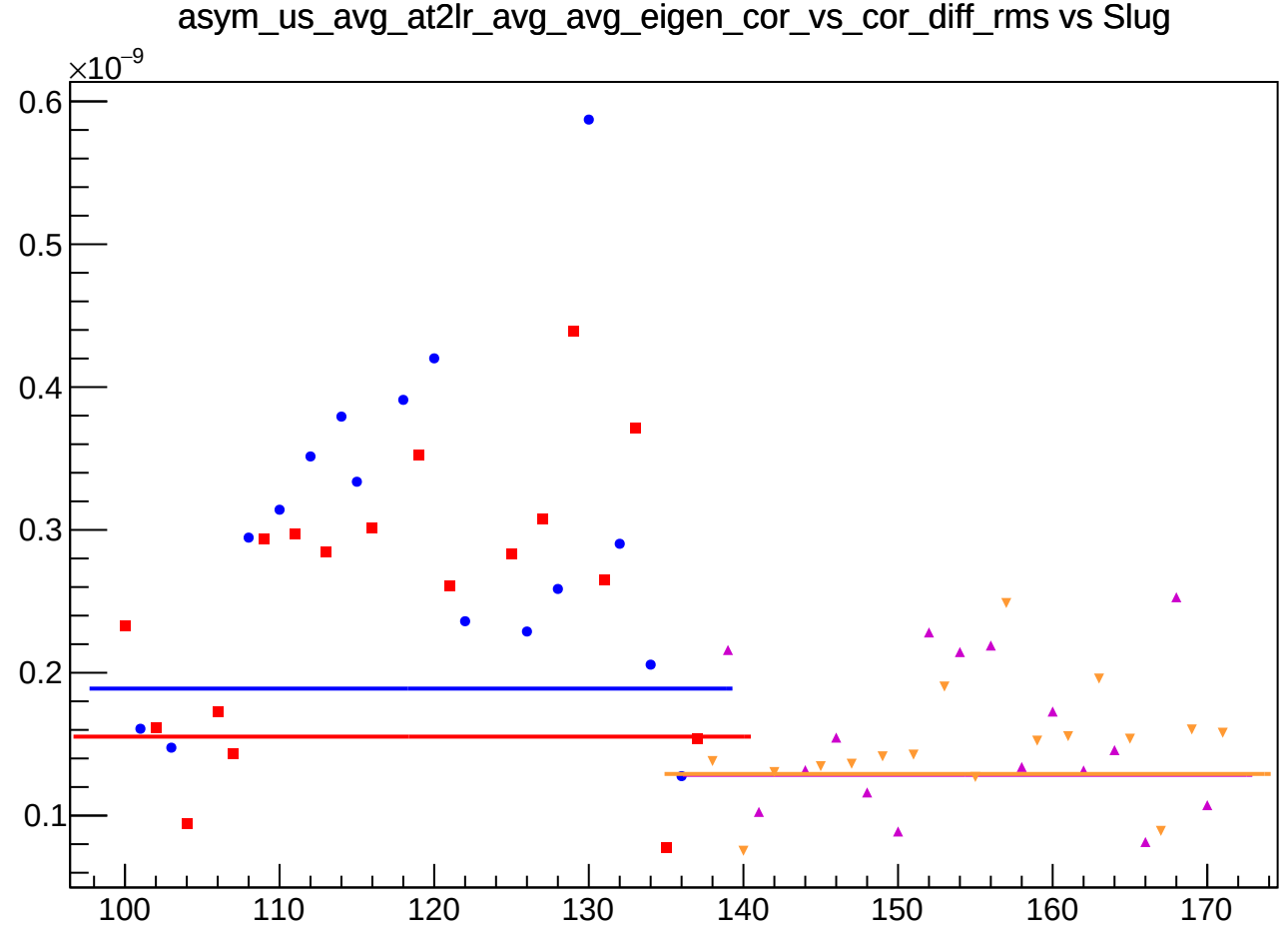
All: 453.370+/-0.055 χ^2/NDF: 10730328.1/66

- sign 446.634+/-0.077 χ^2/NDF: 5631482.3/33


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.091+/-0.179 χ²/NDF:24.7/16
Right Out: -0.140+/-0.138 χ²/NDF: 27.0/17
Left In: 0.135+/-0.179 χ²/NDF:23.7/15
+ sign -0.082+/-0.110 χ²/NDF: 37.2/32
All: -0.060+/-0.078 χ²/NDF: 89.4/66
- sign -0.038+/-0.109 χ²/NDF: 52.1/33


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.188+/-0.099 χ2/NDF: 785072.9/15
Left Out: 629.693+/-0.126 χ2/NDF:1391493.6/16
Right Out: 338.408+/-0.098 χ2/NDF: 1203260.7/17
Left In: 629.601+/-0.127 χ2/NDF:1117160.8/15
+ sign 460.201+/-0.078 χ2/NDF: 5083564.1/32
All: 453.370+/-0.055 χ2/NDF: 10730328.1/66
- sign 446.634+/-0.077 χ2/NDF: 5631482.3/33


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
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:7.5/16
Right Out: -0.000+/-0.000 χ²/NDF: 13.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.8/15
+ sign 0.000+/-0.000 χ²/NDF: 19.8/32
All: 0.000+/-0.000 χ²/NDF: 46.9/66
- sign 0.000+/-0.000 χ²/NDF: 27.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1412981.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

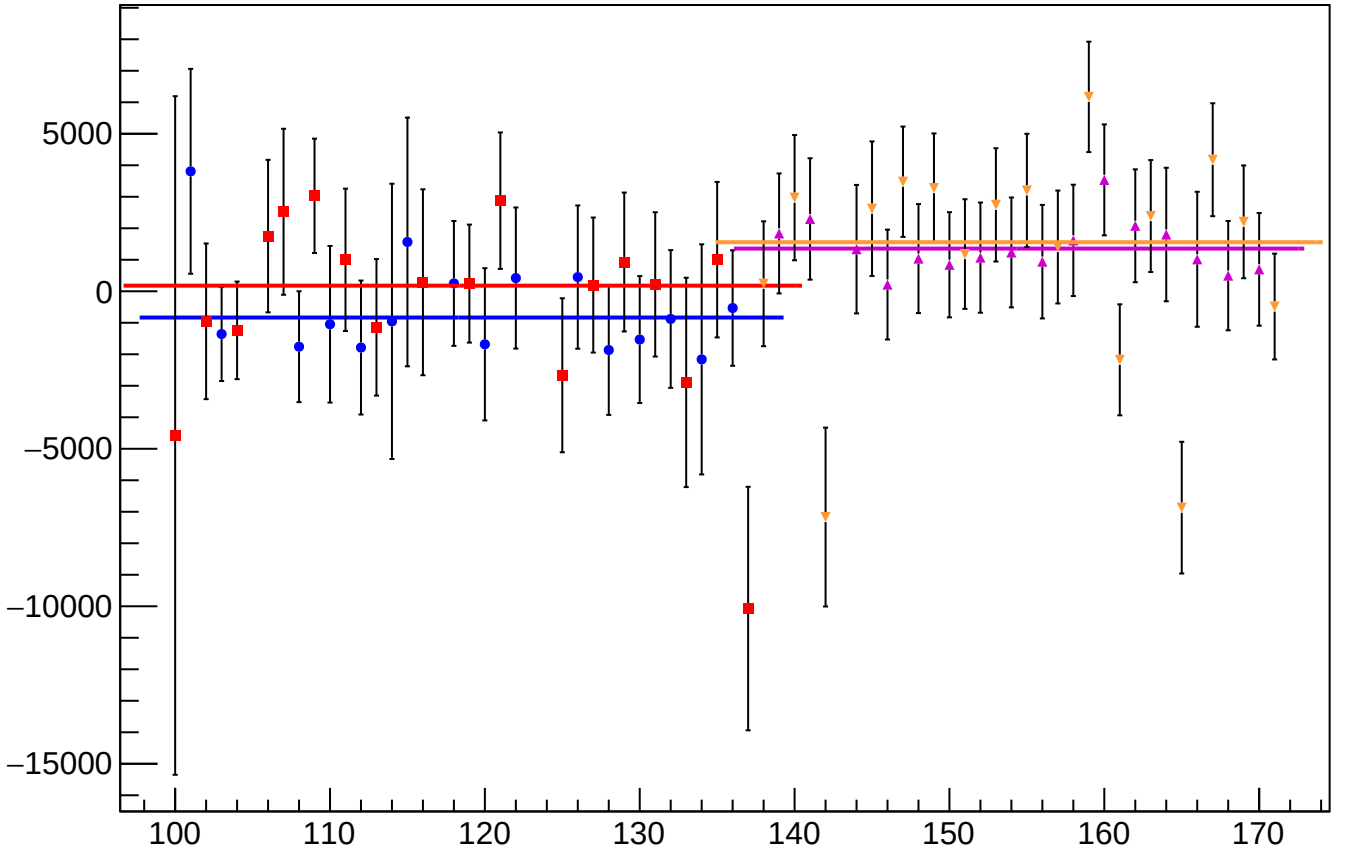
Left In: 0.000+/-0.000 χ^2/NDF:1828903.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 3560811.2/32

All: 0.000+/-0.000 χ^2/NDF: 7763818.9/66

- sign 0.000+/-0.000 χ^2/NDF: 4182756.6/33

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.487+/-449.943 χ^2/NDF:45.8/16

Right Out: 178.292+/-547.824 χ^2/NDF: 16.5/17

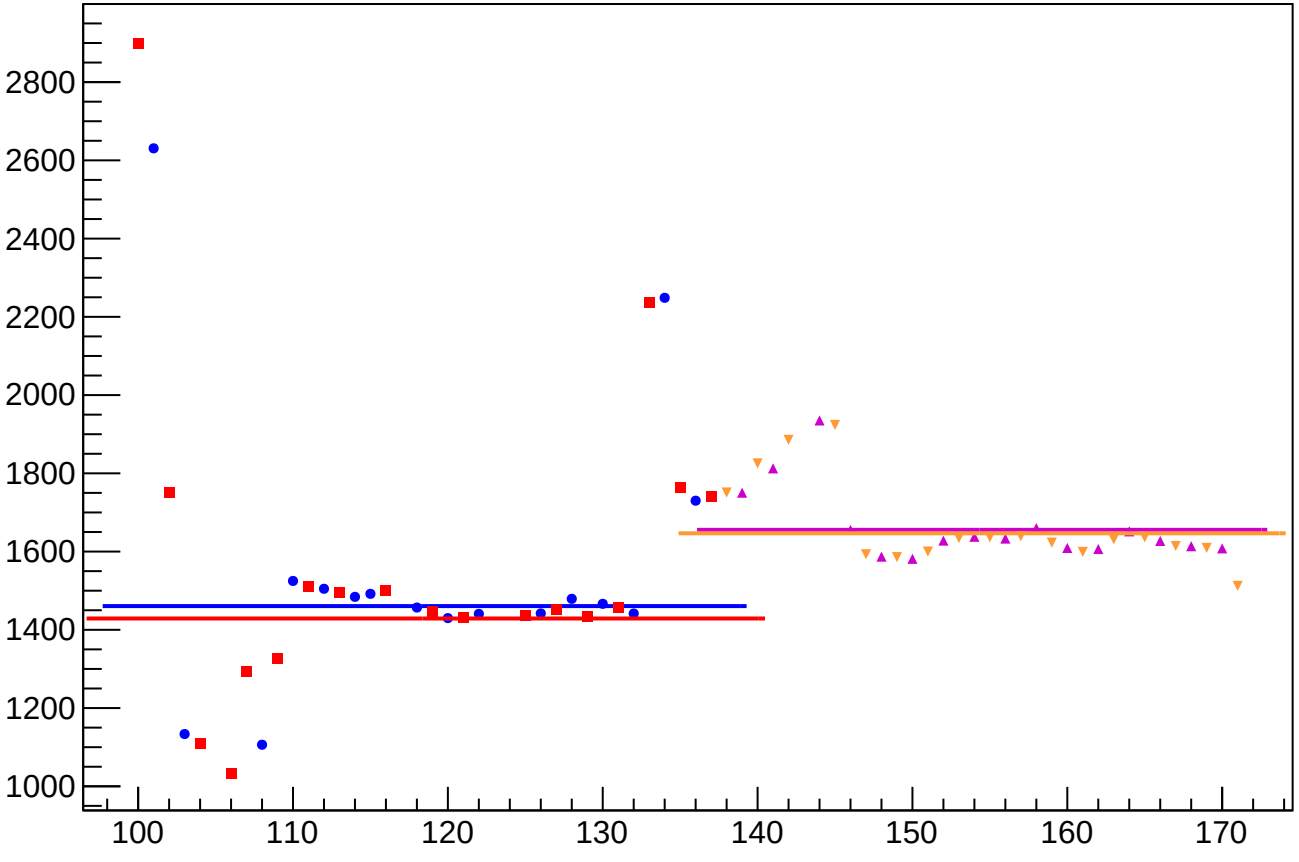
Left In: 1355.155+/-455.958 χ^2/NDF:3.1/15

+ sign 608.908+/-349.472 χ^2/NDF: 61.6/32

All: 740.851+/-247.460 χ^2/NDF: 84.2/66

- sign 873.535+/-350.453 χ^2/NDF: 22.3/33

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1646.675+/-0.318 χ^2/NDF:91778.8/16

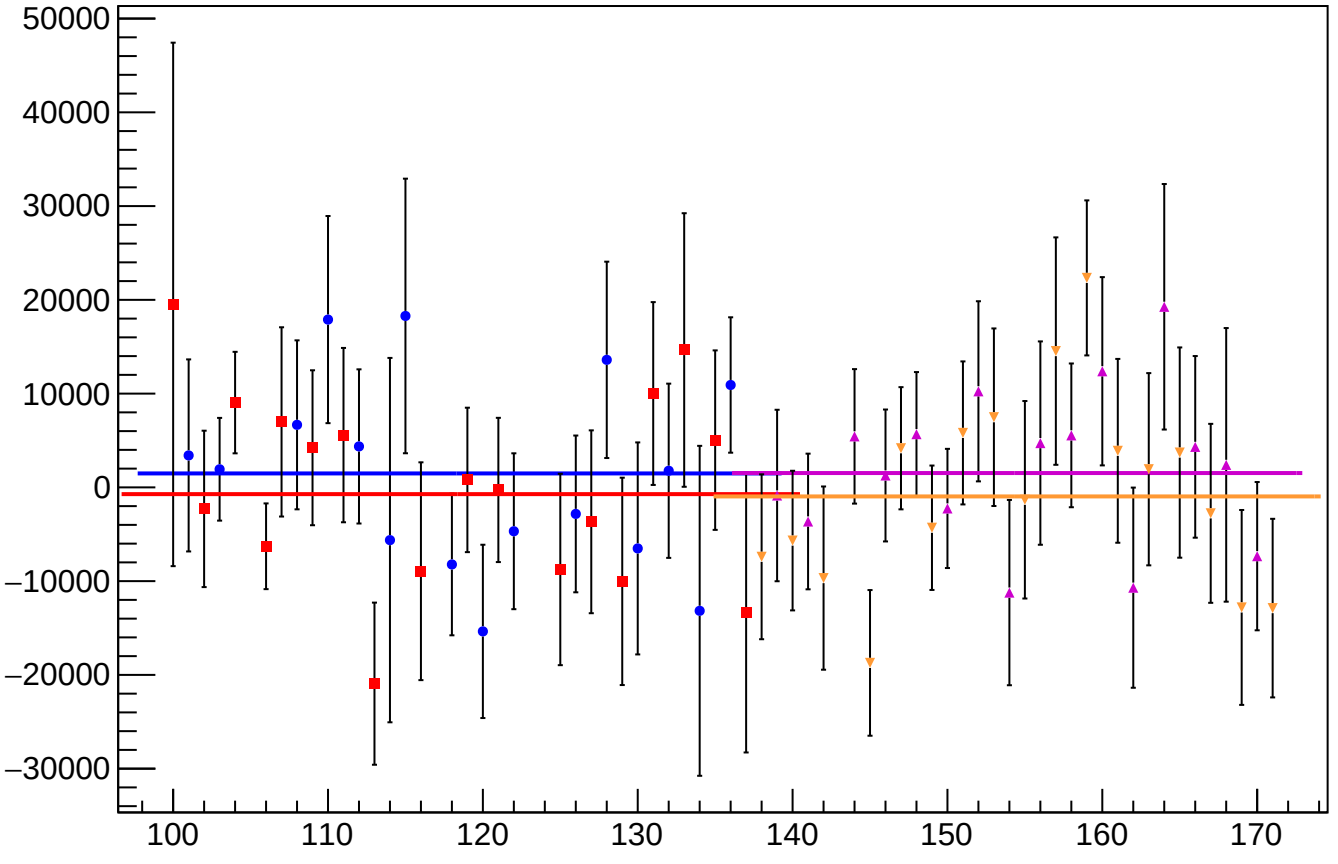
Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

+ sign 1572.874+/-0.247 χ^2/NDF: 803139.8/32

All: 1567.447+/-0.175 χ^2/NDF: 1489145.4/66

- sign 1562.024+/-0.247 χ^2/NDF: 685041.5/33



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -965.883+/-2121.328 χ^2/NDF:22.4/16

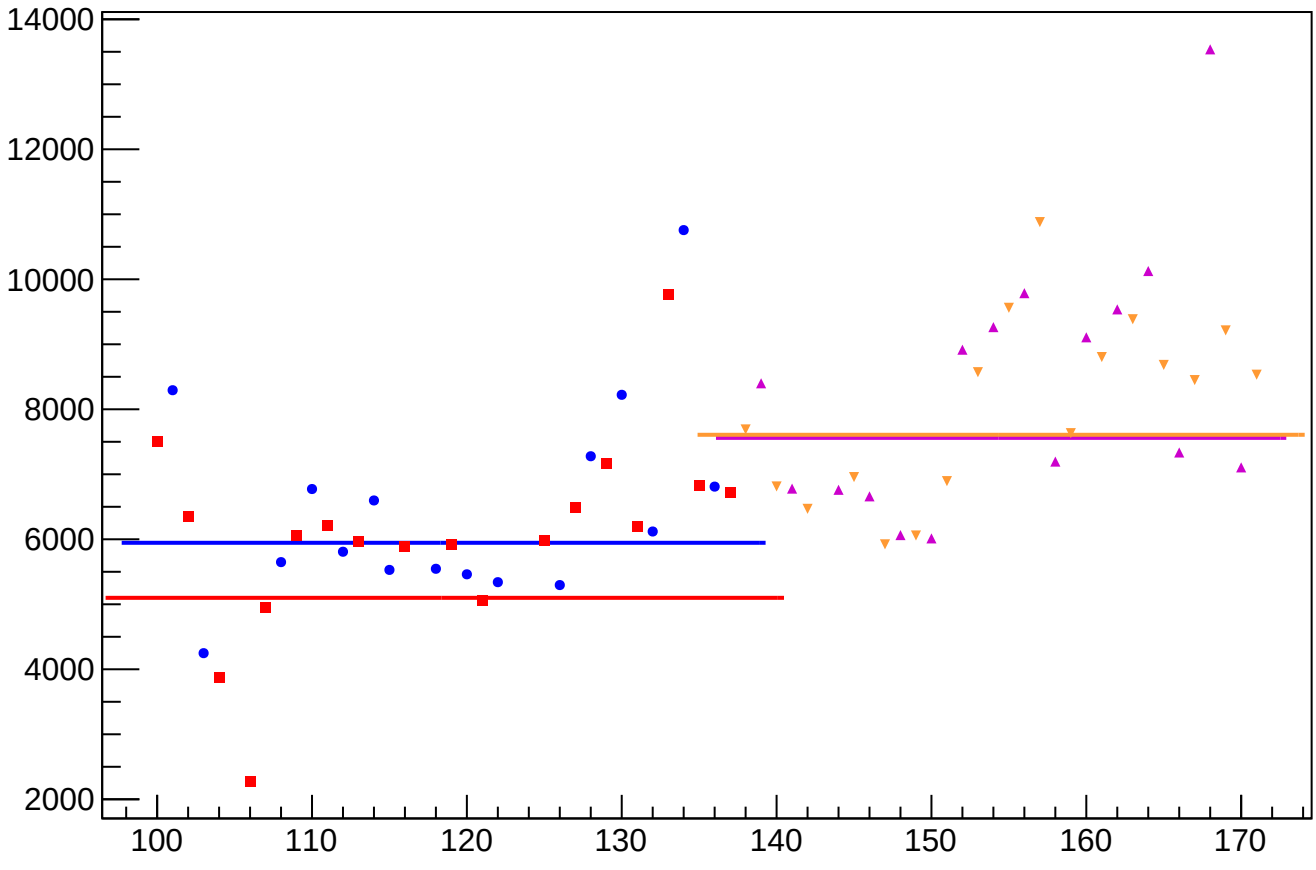
Right Out: -720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: 1528.382+/-2128.338 χ^2/NDF:10.1/15

+ sign 178.875+/-1549.273 χ^2/NDF: 37.2/32

All: 264.494+/-1063.278 χ^2/NDF: 65.4/66

- sign 340.730+/-1461.928 χ^2/NDF: 28.2/33



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7607.793+/-1.500 χ^2/NDF:750102.2/16

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

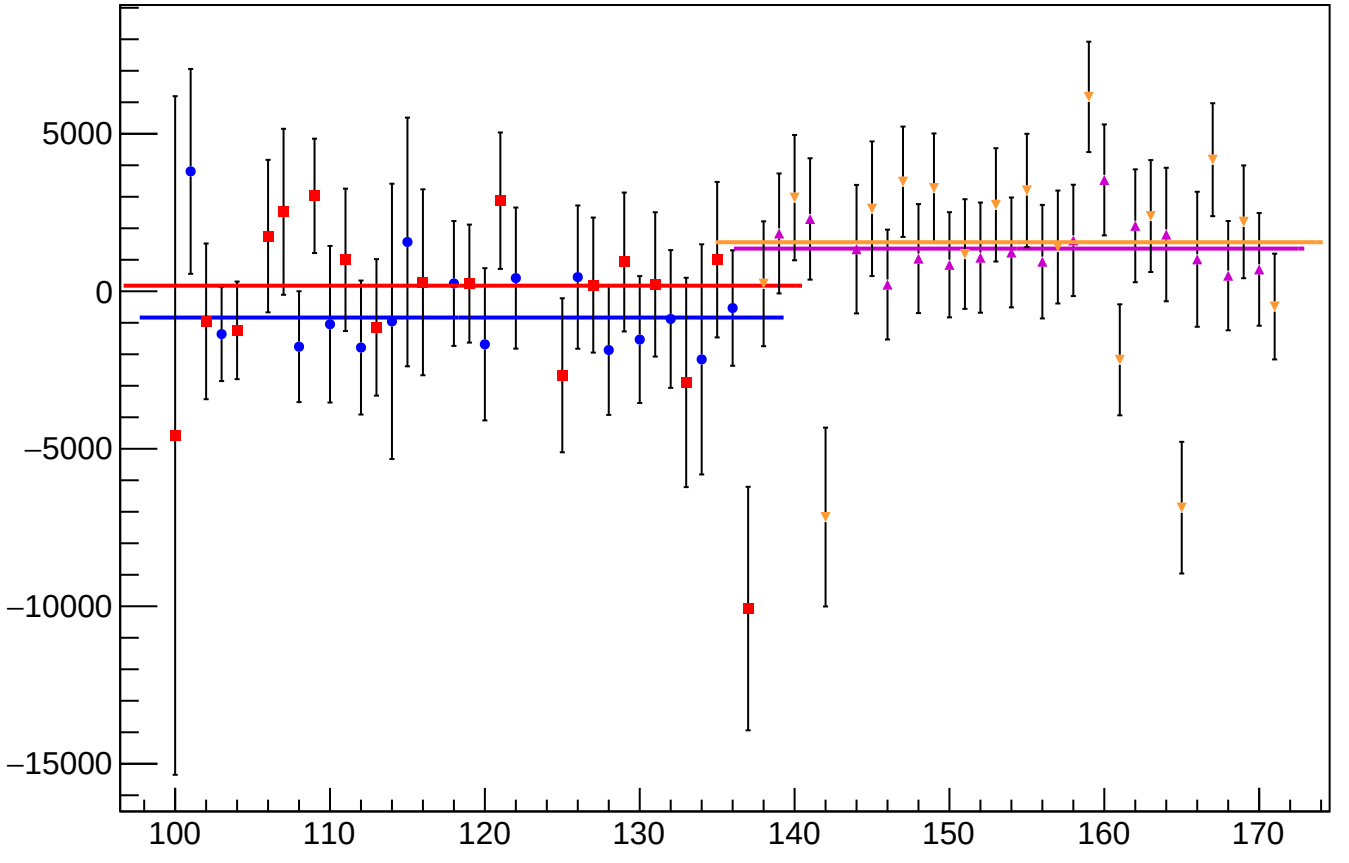
Left In: 7560.267+/-1.505 χ^2/NDF:1042590.8/15

+ sign 6832.412+/-1.096 χ^2/NDF: 1963878.6/32

All: 6529.858+/-0.752 χ^2/NDF: 6043306.6/66

- sign 6260.458+/-1.034 χ^2/NDF: 3935237.6/33

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.578+/-449.943 χ^2/NDF:45.8/16

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

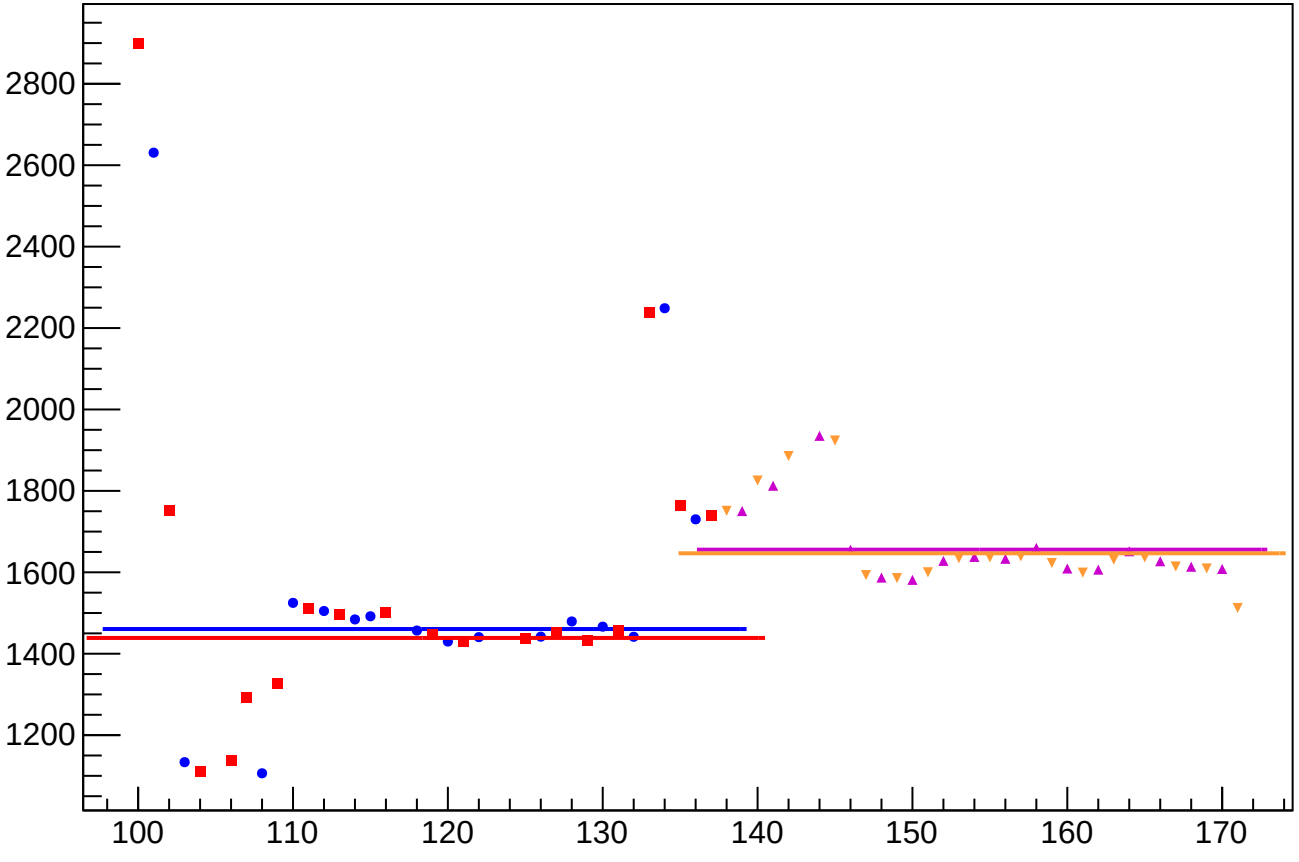
Left In: 1355.120+/-455.958 χ^2/NDF:3.1/15

+ sign 608.938+/-349.472 χ^2/NDF: 61.6/32

All: 740.823+/-247.460 χ^2/NDF: 84.2/66

- sign 873.449+/-350.453 χ^2/NDF: 22.3/33

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1646.675+/-0.318 χ^2/NDF:91778.8/16

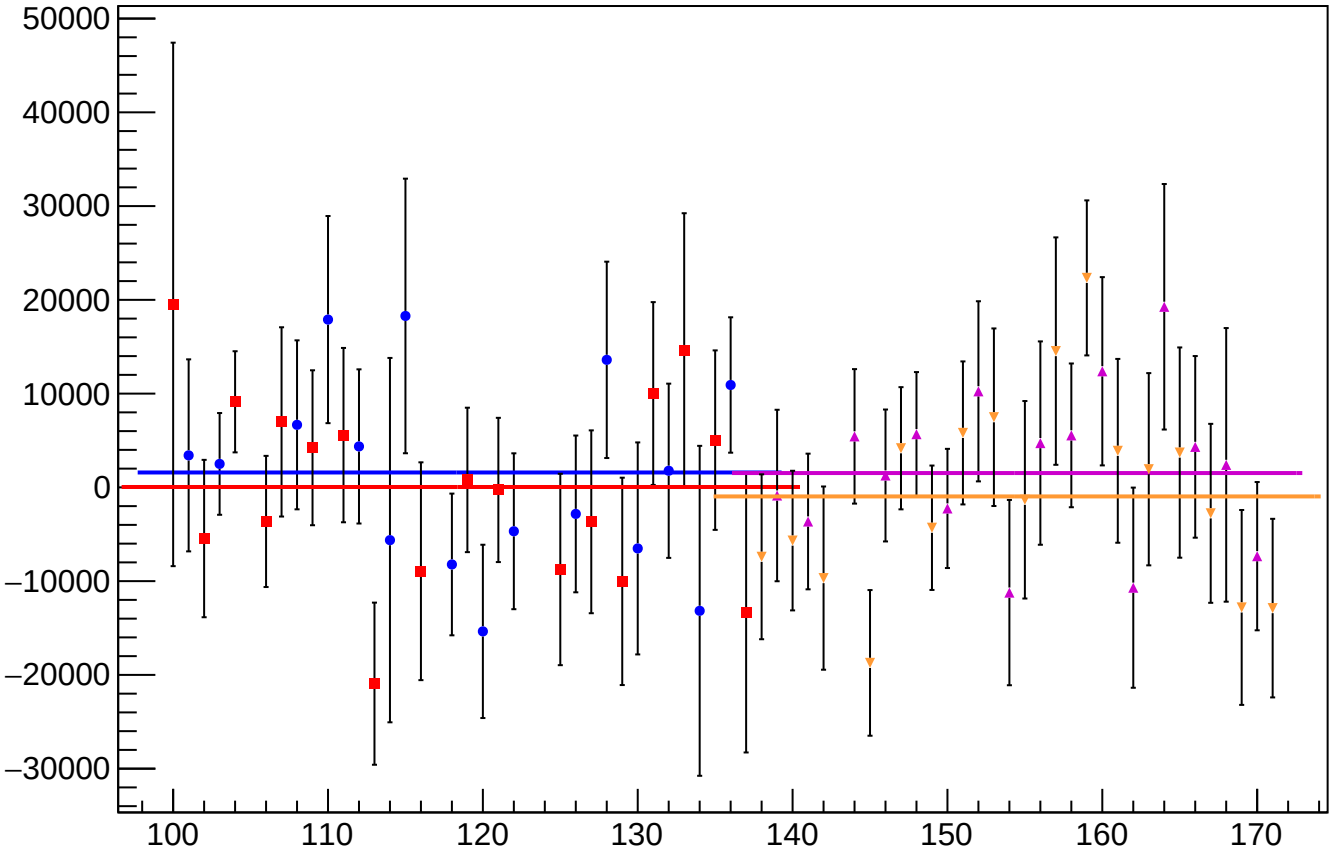
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

+ sign 1572.874+/-0.247 χ^2/NDF: 803140.3/32

All: 1569.751+/-0.175 χ^2/NDF: 1432177.8/66

- sign 1566.617+/-0.248 χ^2/NDF: 628717.6/33



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -965.870+/-2121.328 χ^2/NDF:22.4/16

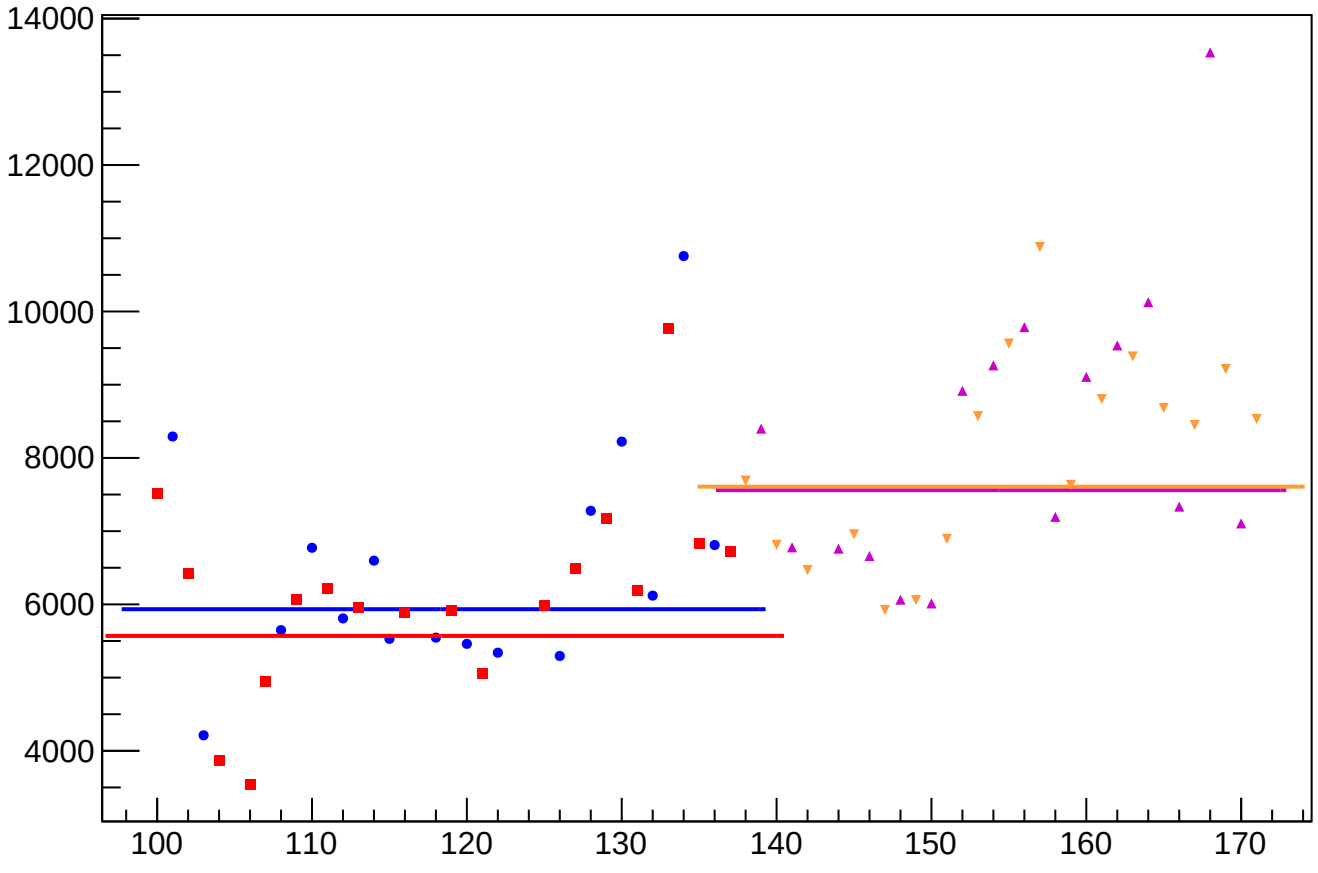
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1528.428+/-2128.336 χ^2/NDF:10.1/15

\+ sign 228.225+/-1548.071 χ^2/NDF: 37.3/32

All: 514.771+/-1079.698 χ^2/NDF: 64.2/66

\- sign 786.177+/-1506.621 χ^2/NDF: 26.8/33



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7607.789+/-1.500 χ^2/NDF:750102.5/16

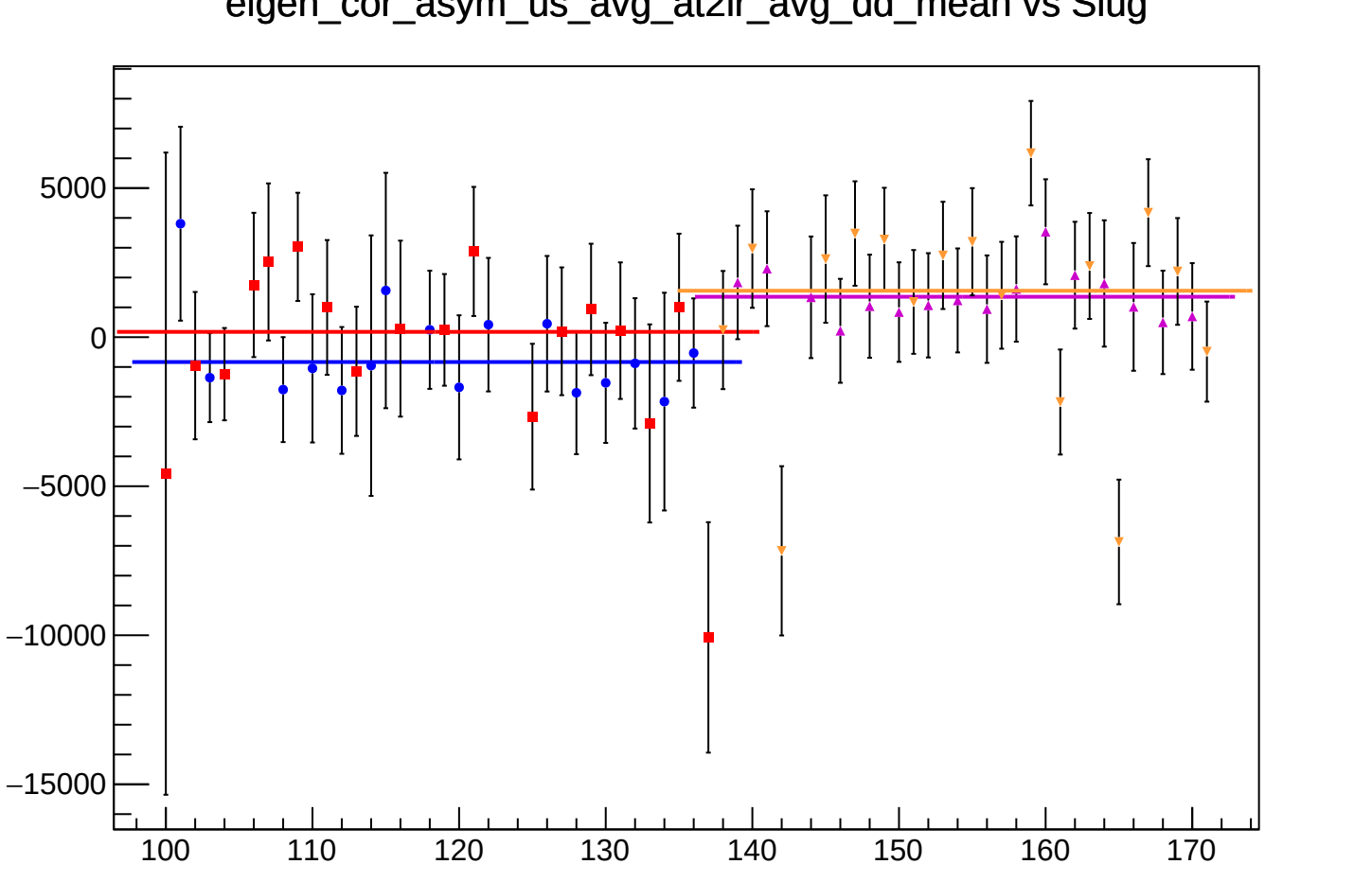
Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7560.259+/-1.505 χ^2/NDF:1042594.4/15

+ sign 6825.486+/-1.095 χ^2/NDF: 1985069.5/32

All: 6692.802+/-0.763 χ^2/NDF: 4653193.4/66

- sign 6567.129+/-1.065 χ^2/NDF: 2639516.2/33



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.578+/-449.943 χ^2/NDF:45.8/16

Right Out: 178.133+/-547.824 χ^2/NDF: 16.5/17

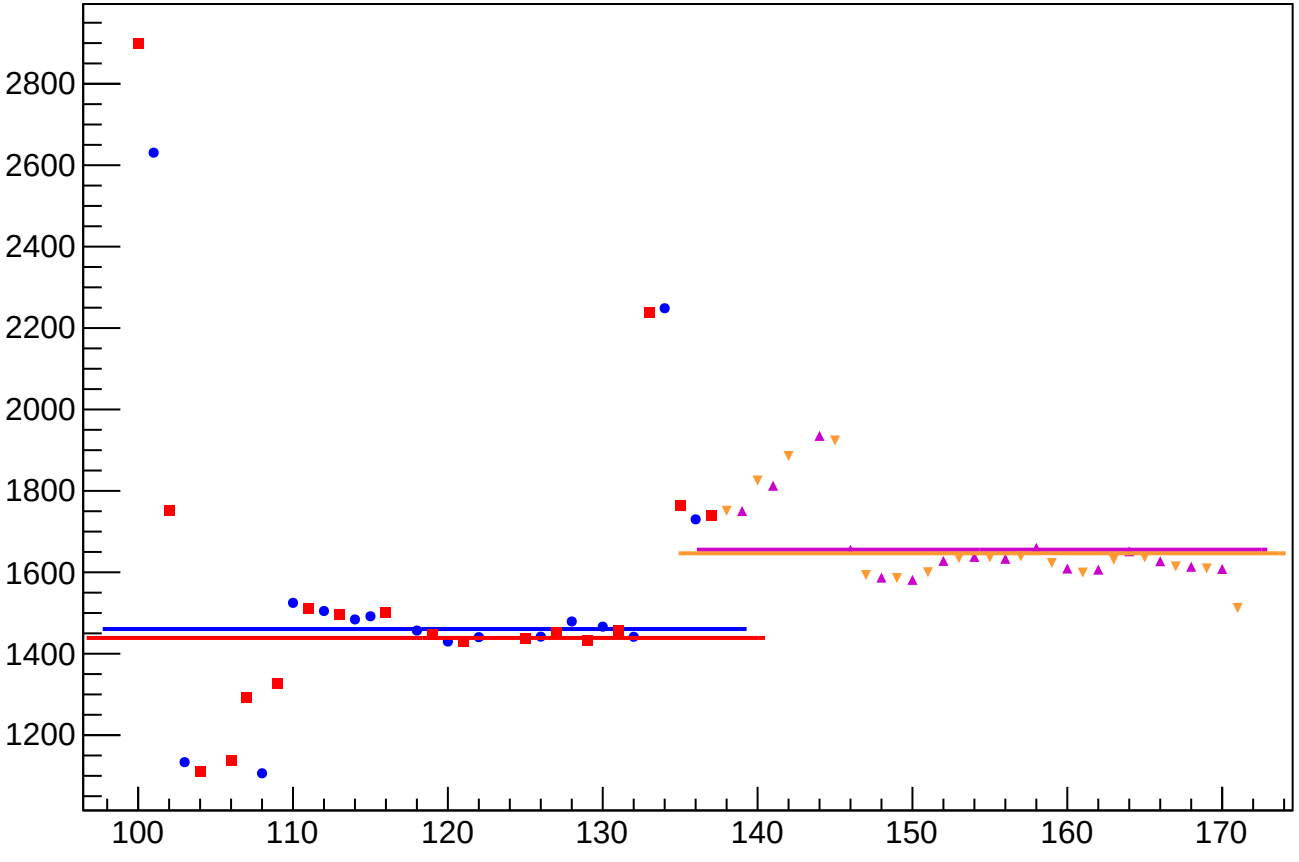
Left In: 1355.120+/-455.958 χ^2/NDF:3.1/15

+ sign 608.938+/-349.472 χ^2/NDF: 61.6/32

All: 740.823+/-247.460 χ^2/NDF: 84.2/66

- sign 873.449+/-350.453 χ^2/NDF: 22.3/33

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: 1646.675+/-0.318 χ^2/NDF:91778.8/16

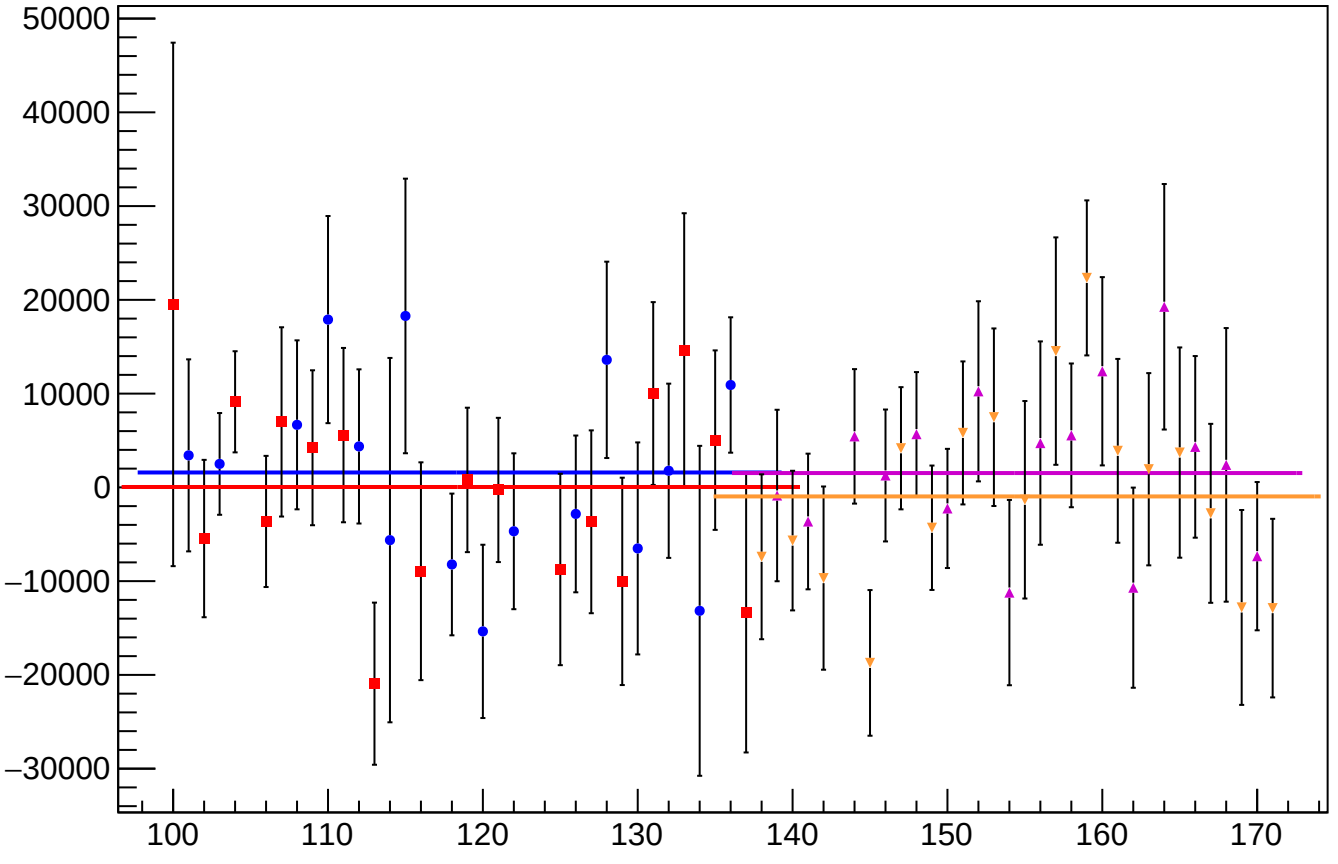
Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1655.592+/-0.322 χ^2/NDF:69748.0/15

+ sign 1572.874+/-0.247 χ^2/NDF: 803140.3/32

All: 1569.751+/-0.175 χ^2/NDF: 1432177.8/66

- sign 1566.617+/-0.248 χ^2/NDF: 628717.6/33



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -965.870+/-2121.328 χ^2/NDF:22.4/16

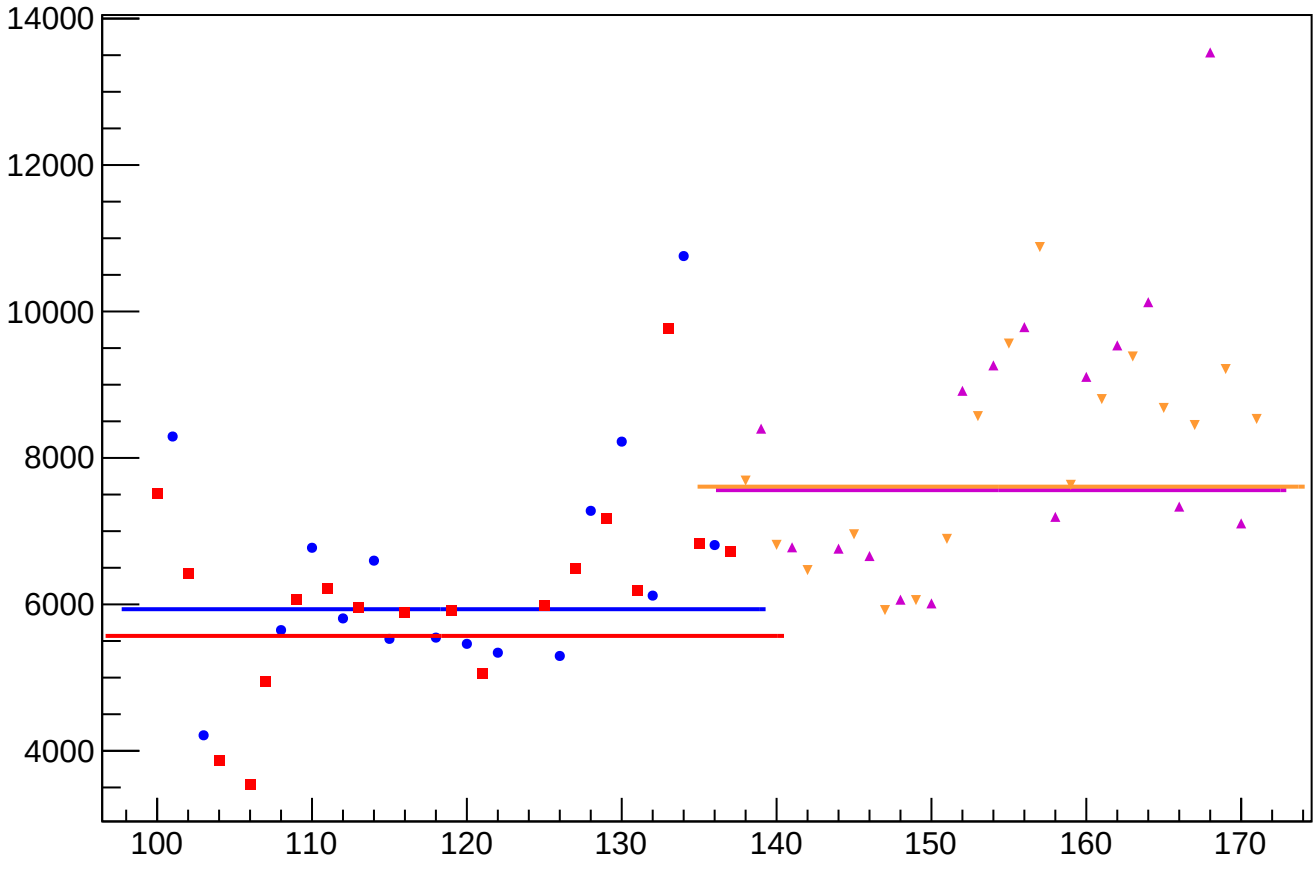
Right Out: 40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: 1528.428+/-2128.336 χ^2/NDF:10.1/15

\+ sign 228.225+/-1548.071 χ^2/NDF: 37.3/32

All: 514.771+/-1079.698 χ^2/NDF: 64.2/66

\- sign 786.177+/-1506.621 χ^2/NDF: 26.8/33



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7607.789+/-1.500 χ^2/NDF:750102.5/16

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

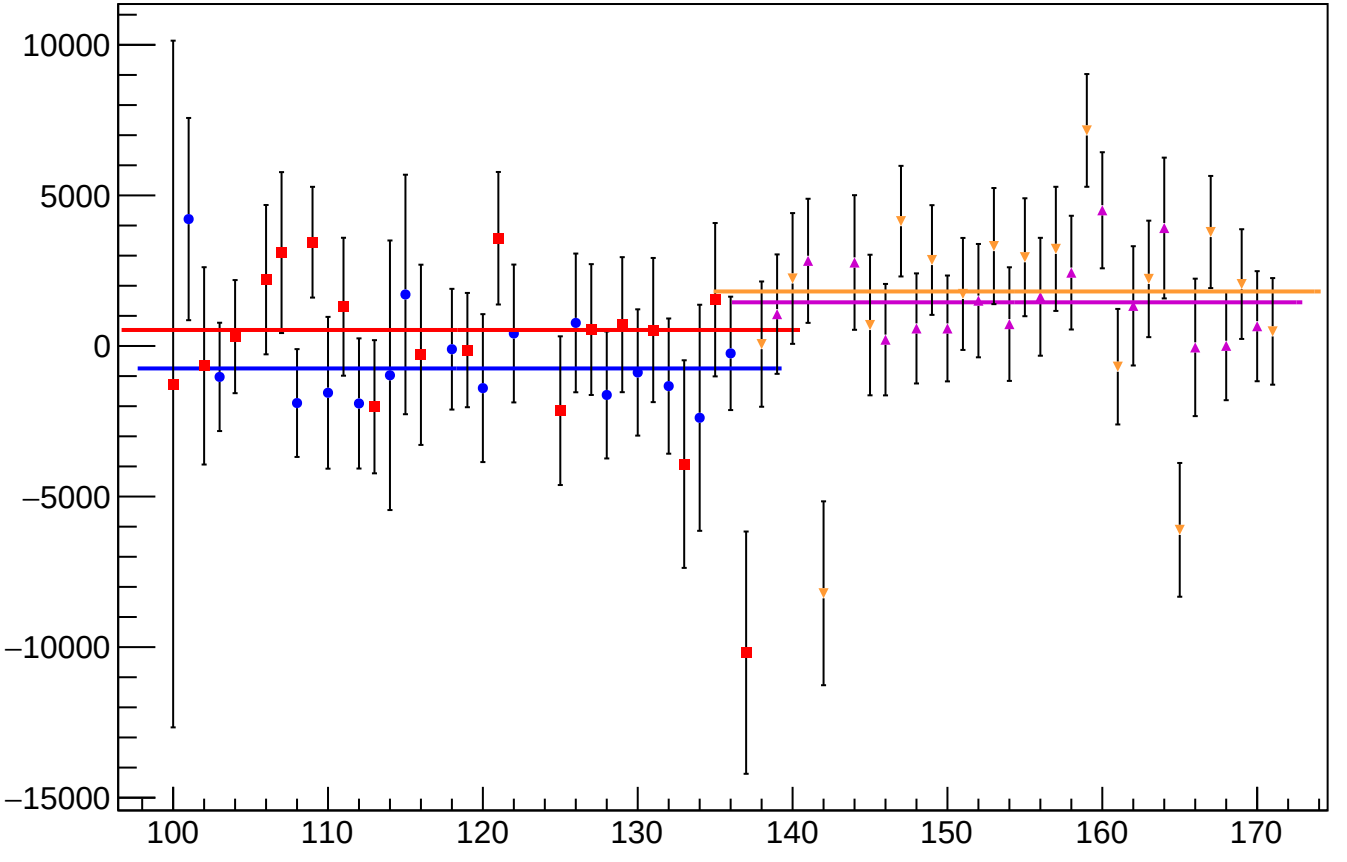
Left In: 7560.259+/-1.505 χ^2/NDF:1042594.4/15

+ sign 6825.486+/-1.095 χ^2/NDF: 1985069.5/32

All: 6692.802+/-0.763 χ^2/NDF: 4653193.4/66

- sign 6567.129+/-1.065 χ^2/NDF: 2639516.2/33

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1810.291+/-480.990 χ^2/NDF:39.4/16

Right Out: 531.292+/-575.115 χ^2/NDF: 17.7/17

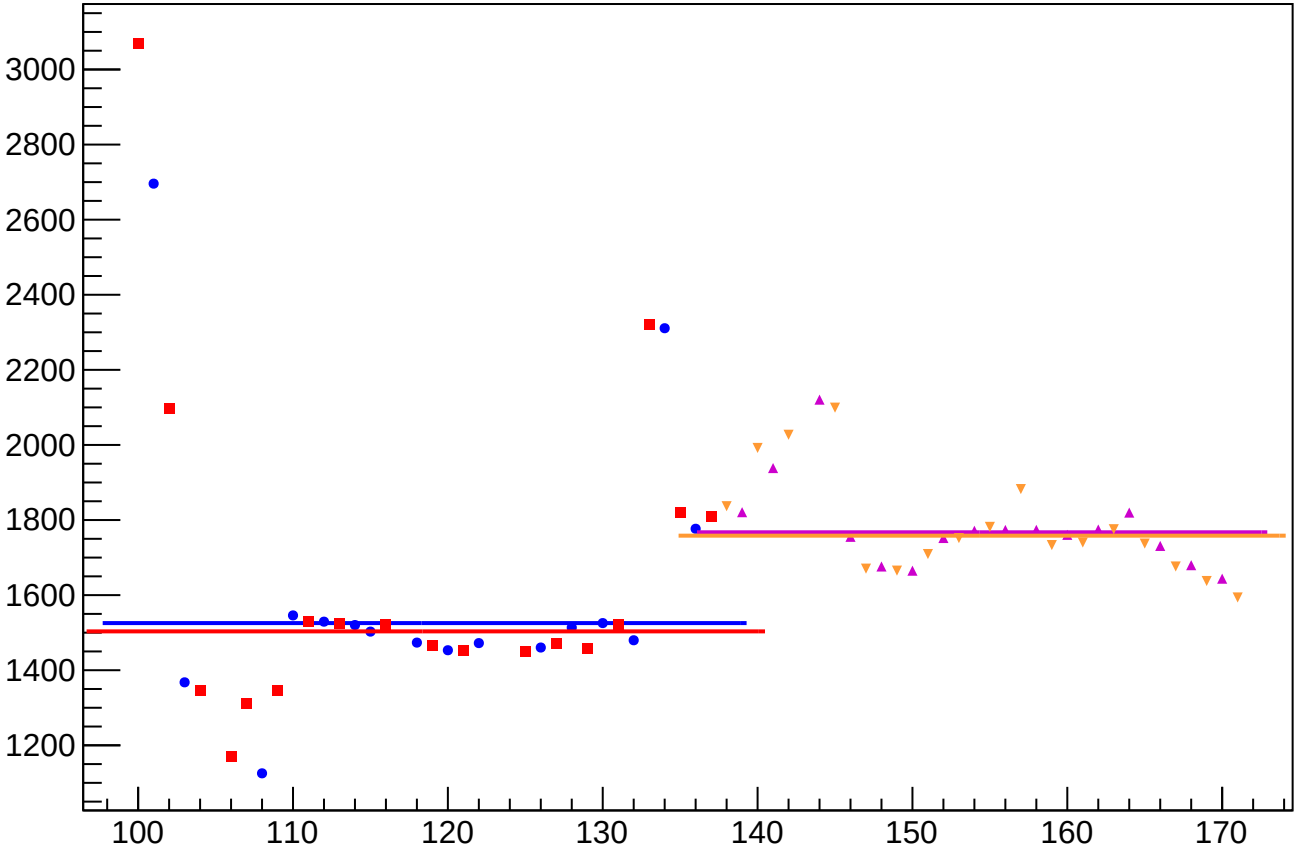
Left In: 1450.128+/-487.101 χ^2/NDF:7.1/15

\+ sign 764.555+/-369.738 χ^2/NDF: 55.7/32

All: 914.642+/-262.135 χ^2/NDF: 82.4/66

\- sign 1066.325+/-371.698 χ^2/NDF: 26.3/33

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1758.367+/-0.340 χ^2/NDF:133766.4/16

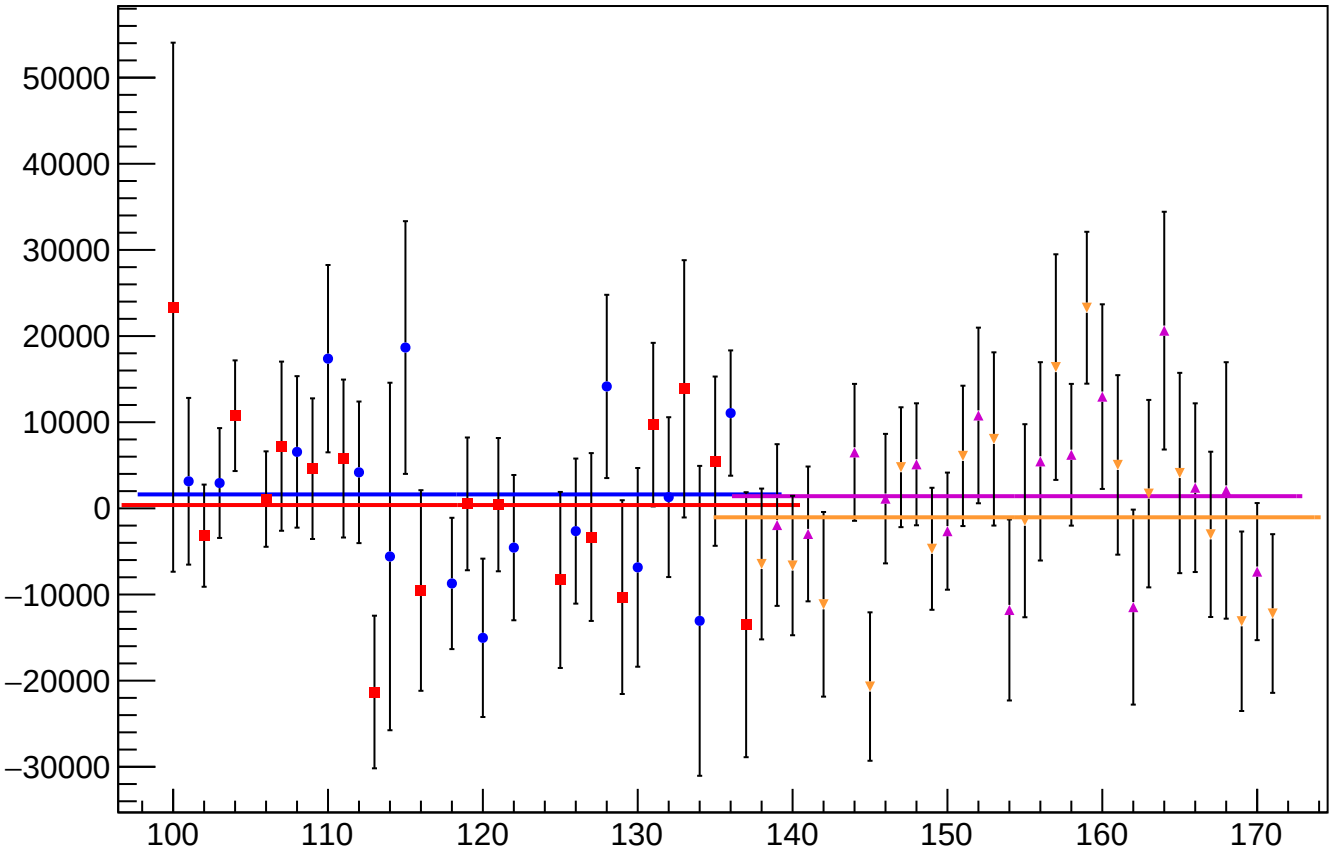
Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1767.362+/-0.344 χ^2/NDF:92611.8/15

+ sign 1663.116+/-0.261 χ^2/NDF: 813814.5/32

All: 1660.114+/-0.185 χ^2/NDF: 1490545.5/66

- sign 1657.080+/-0.263 χ^2/NDF: 676465.9/33



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -1036.271+/-2238.043 χ^2/NDF:22.3/16

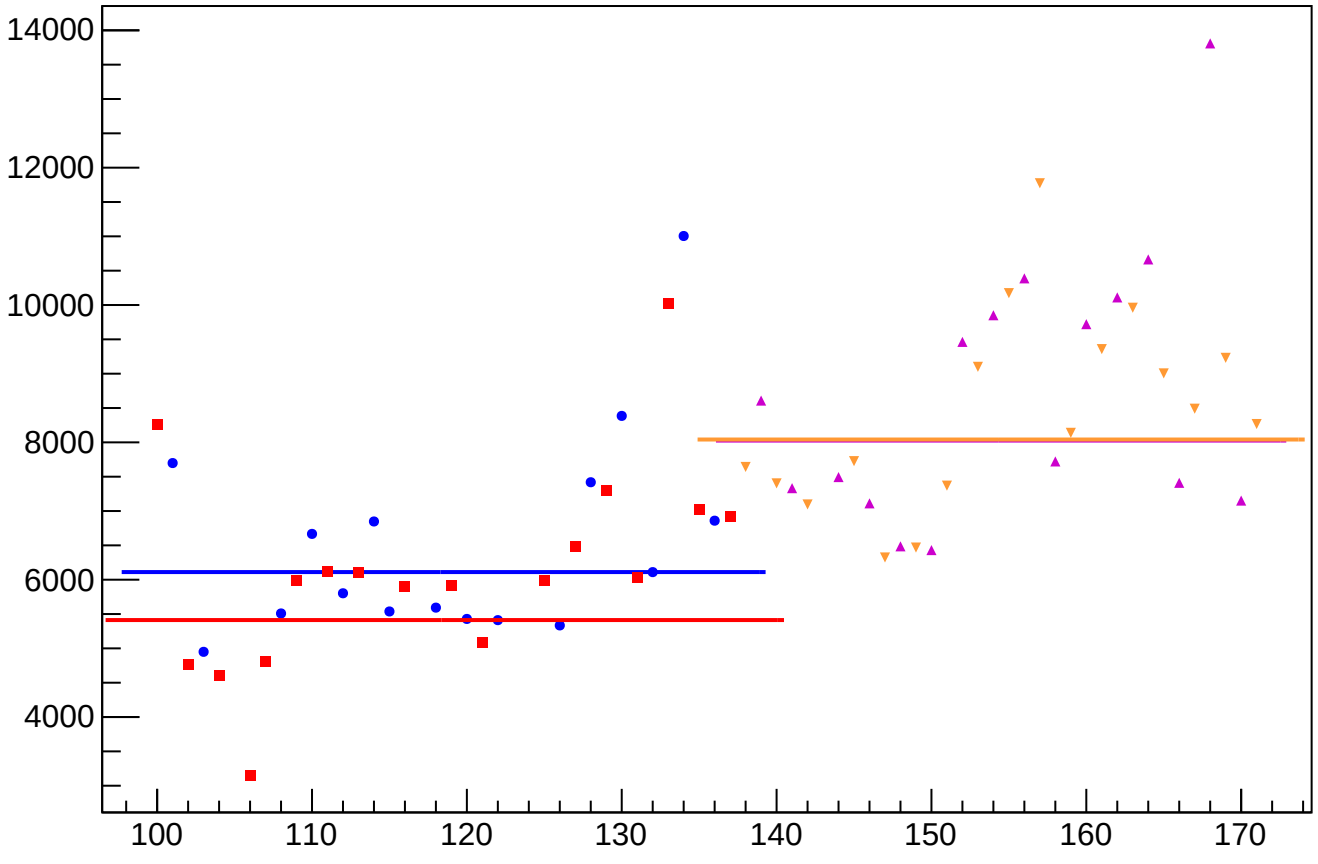
Right Out: 385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: 1414.157+/-2257.009 χ^2/NDF:10.0/15

+ sign 244.128+/-1610.741 χ^2/NDF: 37.3/32

All: 566.053+/-1106.213 χ^2/NDF: 63.5/66

- sign 853.439+/-1521.880 χ^2/NDF: 26.1/33



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8041.306+/-1.583 χ^2/NDF:665771.9/16

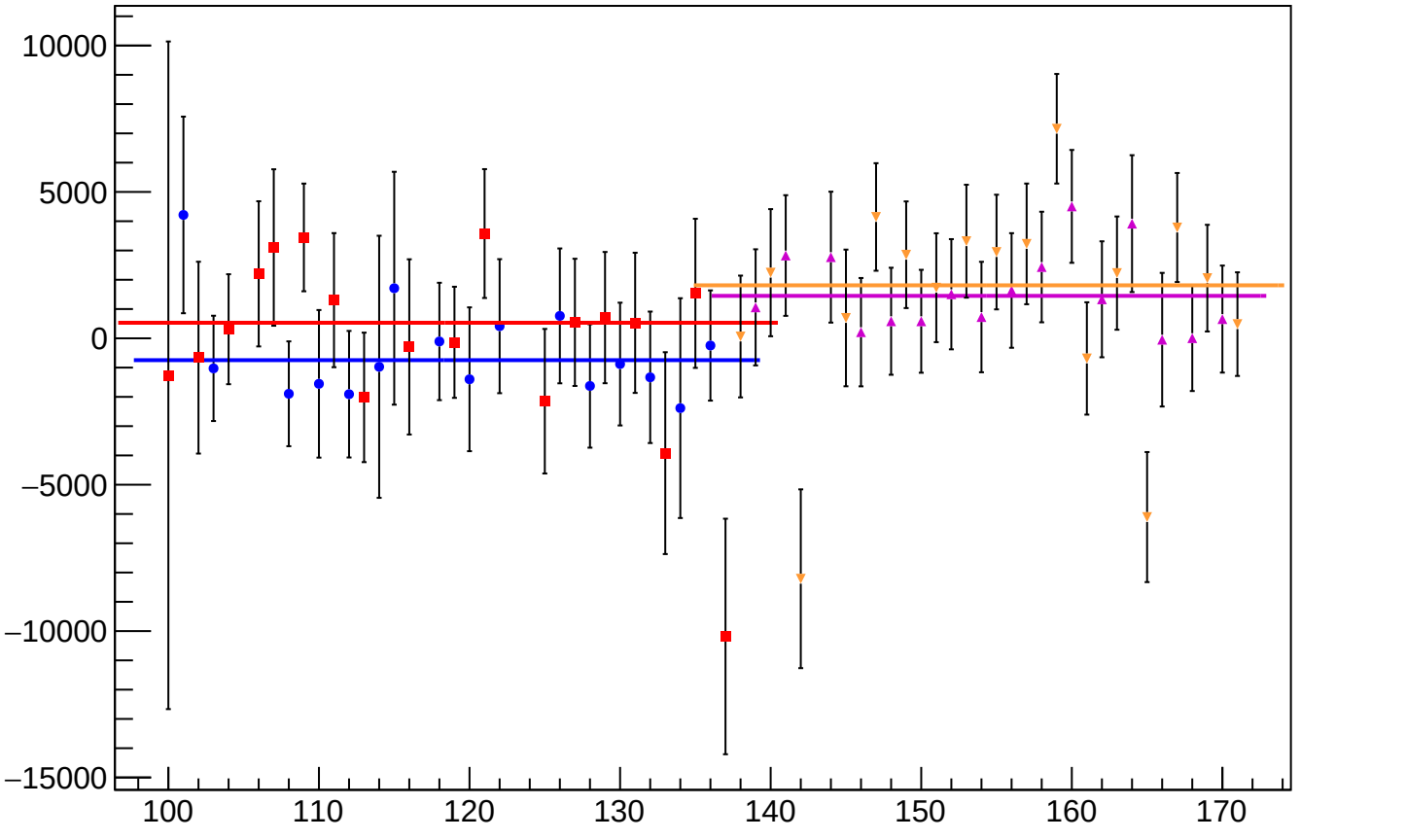
Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 8025.728+/-1.596 χ^2/NDF:978584.2/15

+ sign 7110.881+/-1.139 χ^2/NDF: 1854554.1/32

All: 6841.240+/-0.782 χ^2/NDF: 5223106.3/66

- sign 6600.529+/-1.076 χ^2/NDF: 3262472.1/33



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1810.295+/-480.991 χ^2/NDF:39.4/16

Right Out: 531.302+/-575.115 χ^2/NDF: 17.7/17

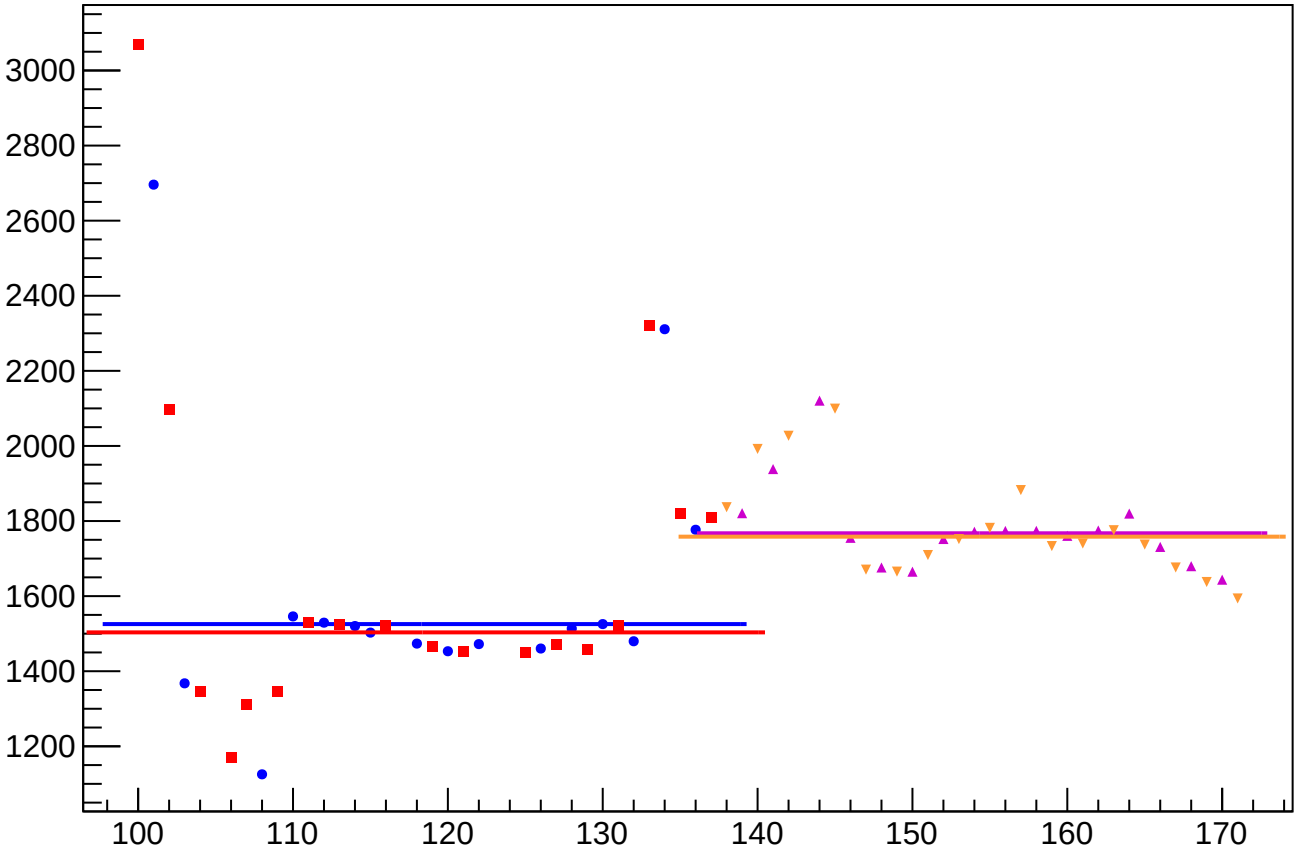
Left In: 1450.129+/-487.102 χ^2/NDF:7.1/15

+ sign 764.554+/-369.739 χ^2/NDF: 55.7/32

All: 914.643+/-262.135 χ^2/NDF: 82.4/66

- sign 1066.328+/-371.698 χ^2/NDF: 26.3/33

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: 1758.369+/-0.340 χ^2/NDF:133769.8/16

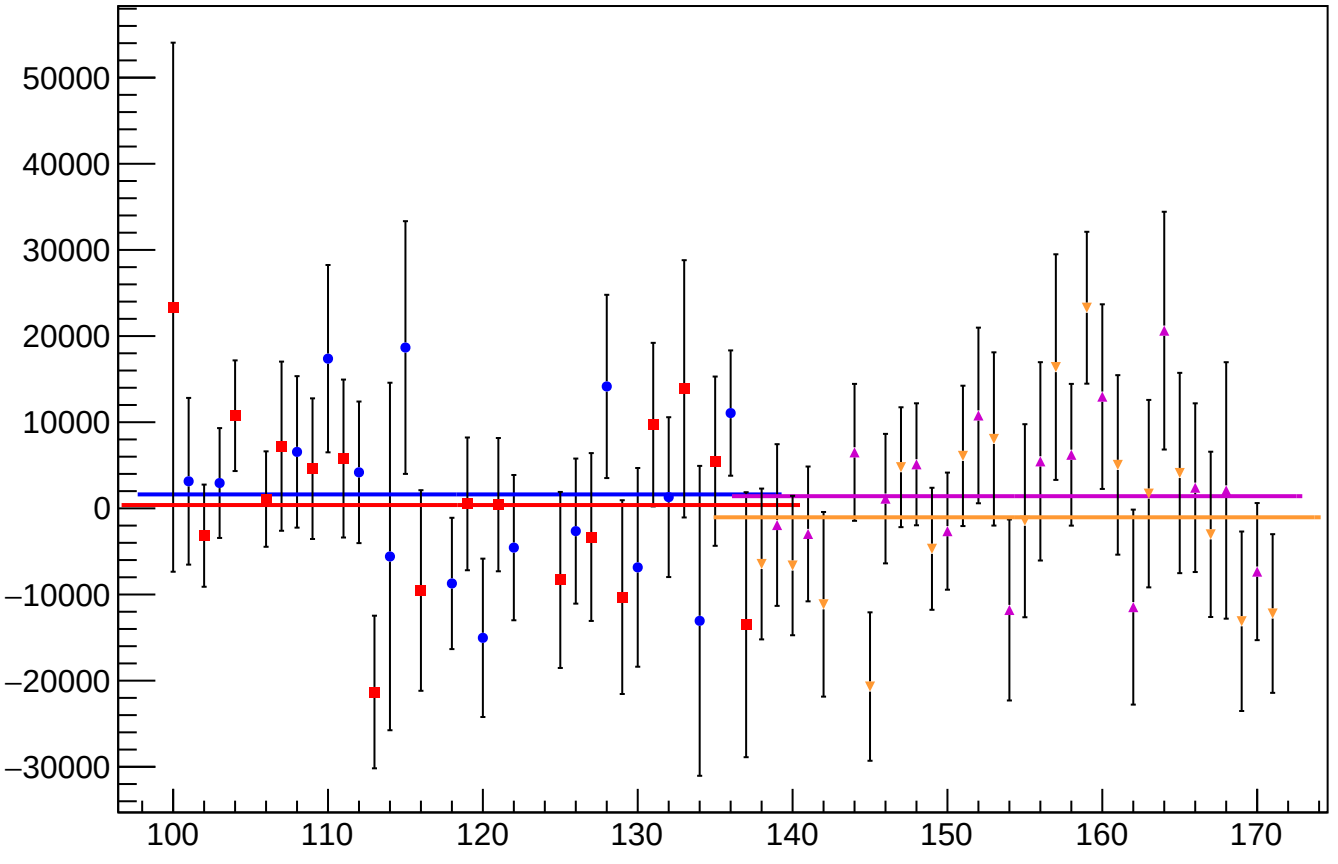
Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1767.365+/-0.344 χ^2/NDF:92612.6/15

+ sign 1663.118+/-0.261 χ^2/NDF: 813820.5/32

All: 1660.115+/-0.185 χ^2/NDF: 1490557.3/66

- sign 1657.082+/-0.263 χ^2/NDF: 676471.7/33



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -1036.271+/-2238.046 χ^2/NDF:22.3/16

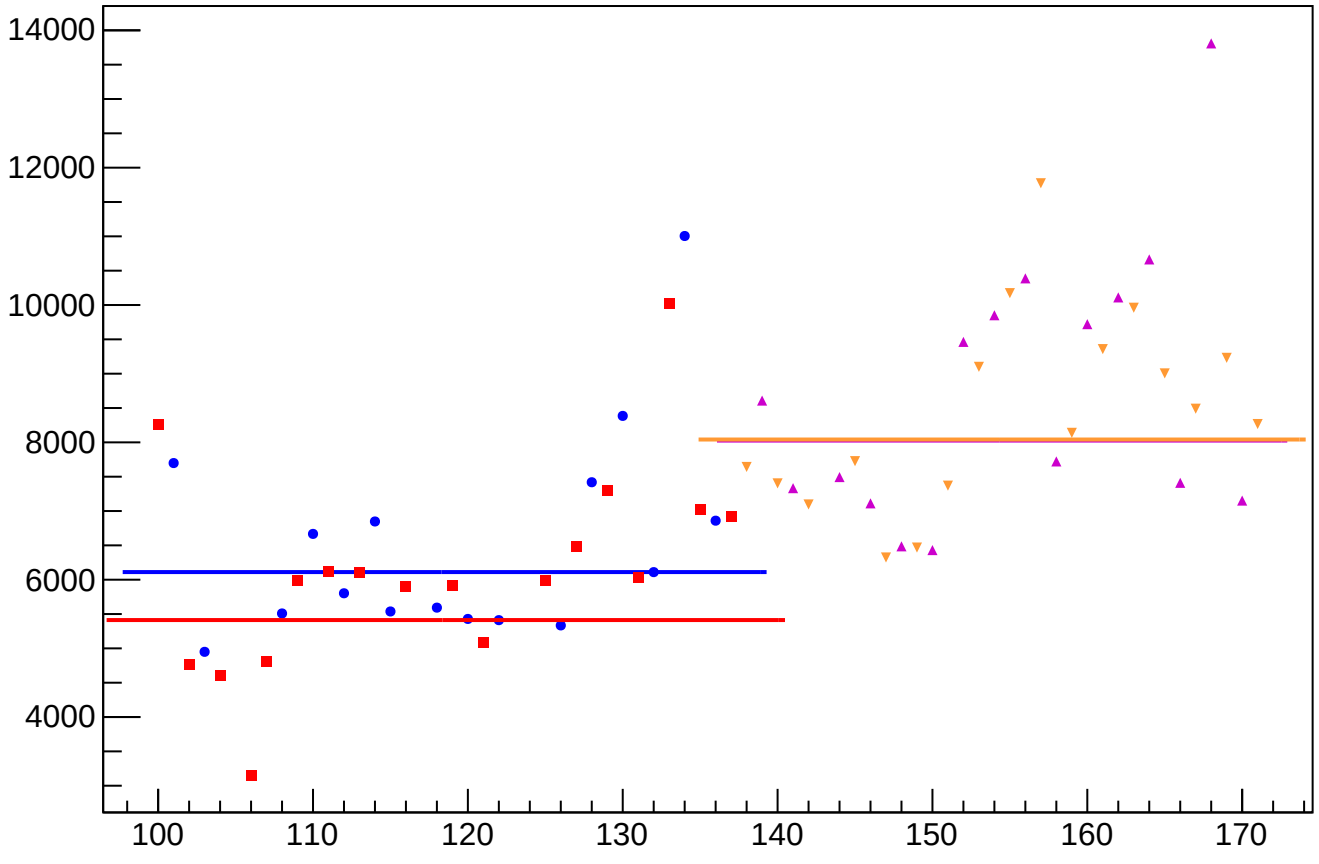
Right Out: 385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: 1414.153+/-2257.012 χ^2/NDF:10.0/15

+ sign 244.123+/-1610.740 χ^2/NDF: 37.3/32

All: 566.051+/-1106.212 χ^2/NDF: 63.5/66

- sign 853.439+/-1521.880 χ^2/NDF: 26.1/33



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8041.317+/-1.583 χ^2/NDF:665773.5/16

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

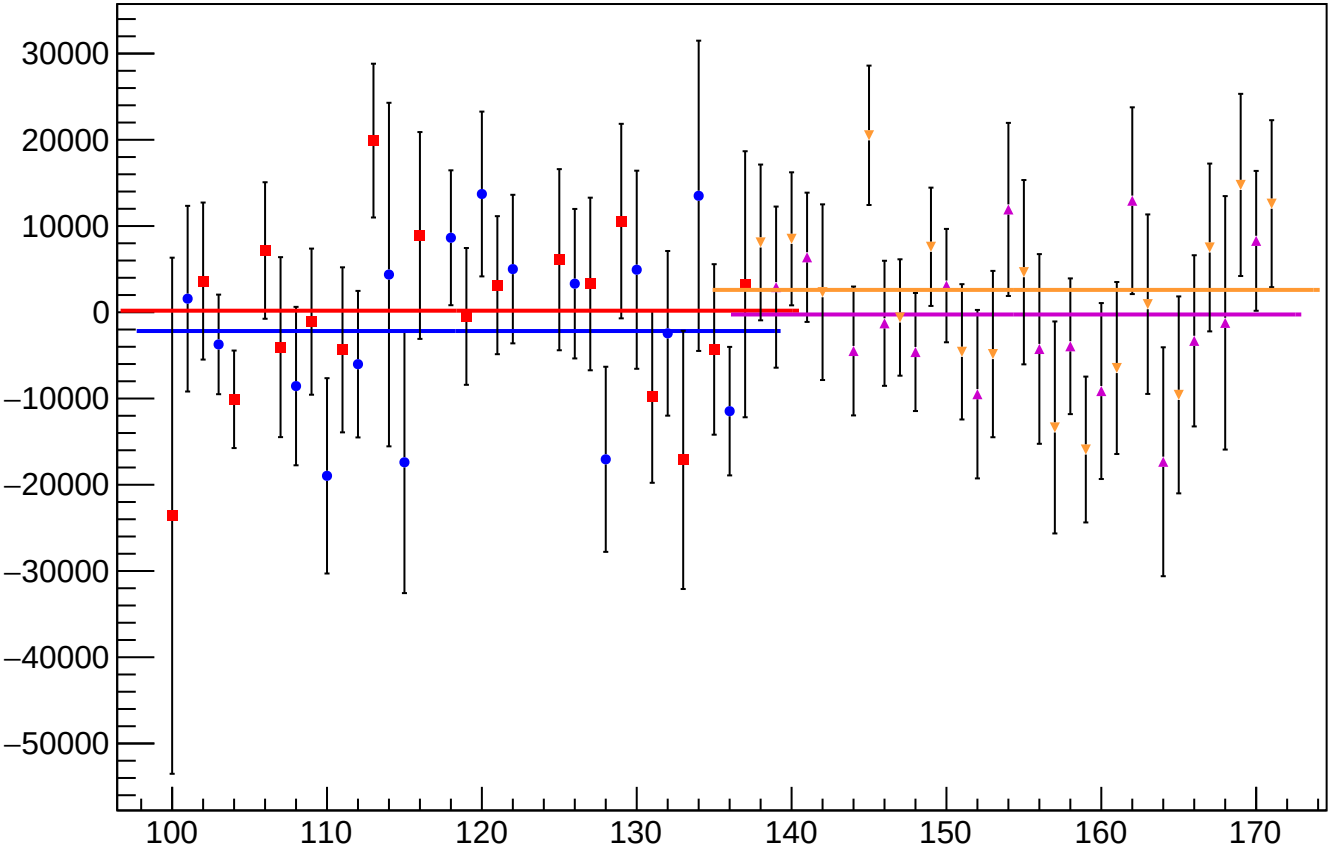
Left In: 8025.738+/-1.596 χ^2/NDF:978586.8/15

+ sign 7110.877+/-1.139 χ^2/NDF: 1854576.8/32

All: 6841.235+/-0.782 χ^2/NDF: 5223157.0/66

- sign 6600.523+/-1.076 χ^2/NDF: 3262499.3/33

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 2594.414+/-2178.293 χ^2/NDF:19.2/16

Right Out: 183.559+/-2228.883 χ^2/NDF: 14.7/17

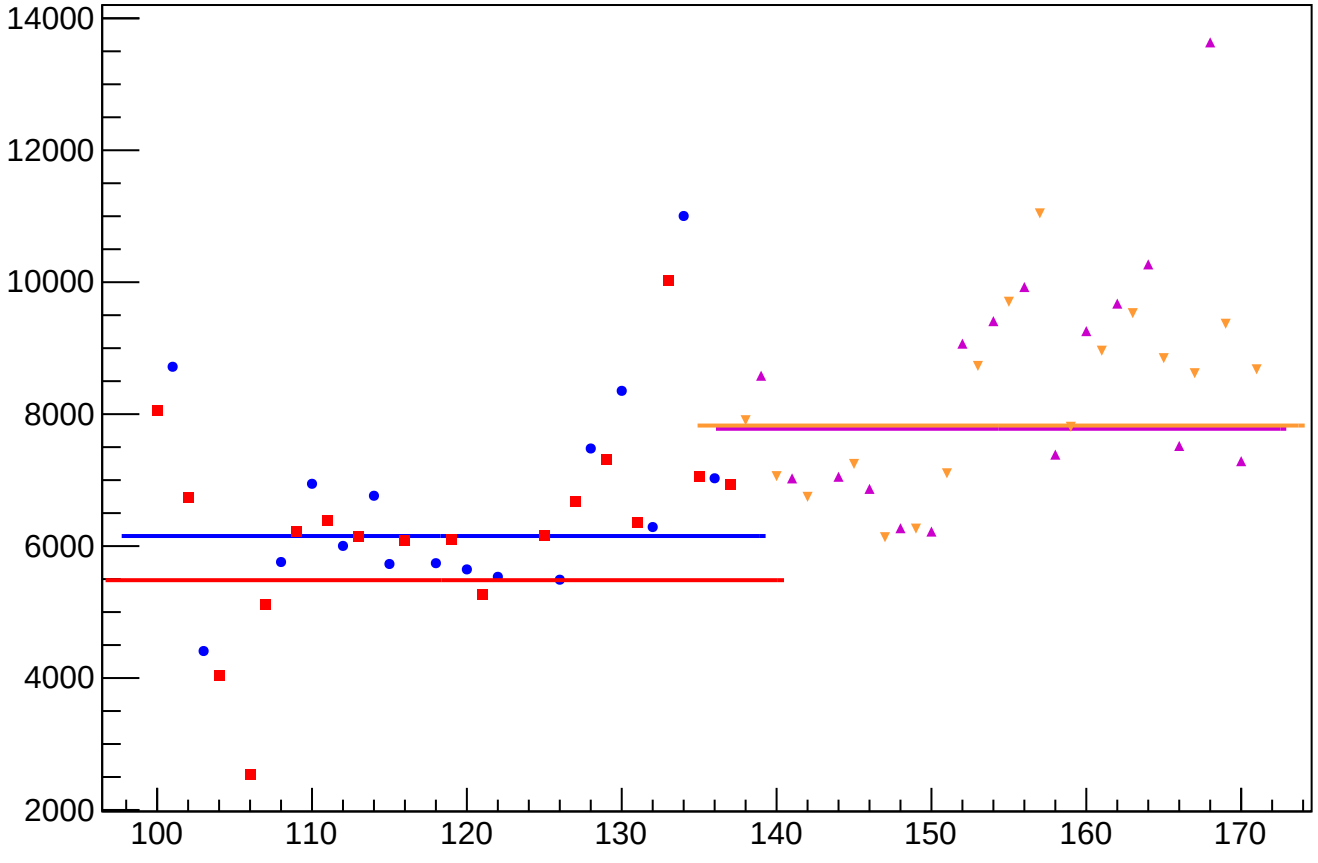
Left In: -255.732+/-2185.742 χ^2/NDF:9.7/15

+ sign 388.379+/-1596.809 χ^2/NDF: 36.0/32

All: 169.081+/-1116.086 χ^2/NDF: 60.5/66

- sign -40.379+/-1560.582 χ^2/NDF: 24.4/33

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7827.230+/-1.540 χ^2/NDF:682536.6/16

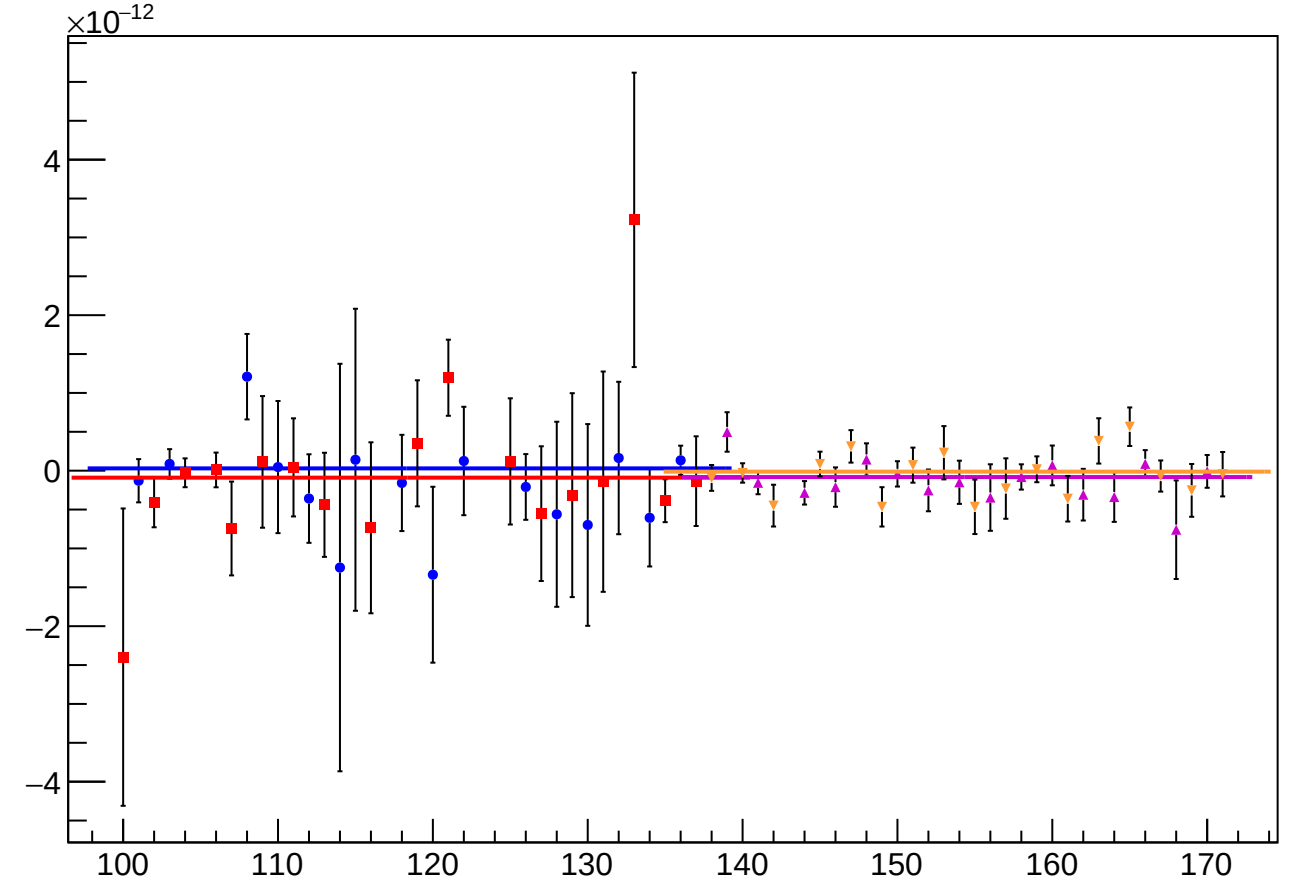
Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.321+/-1.546 χ^2/NDF:964289.2/15

+ sign 7052.532+/-1.129 χ^2/NDF: 1853359.1/32

All: 6822.826+/-0.782 χ^2/NDF: 5167088.4/66

- sign 6611.292+/-1.084 χ^2/NDF: 3234228.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/16

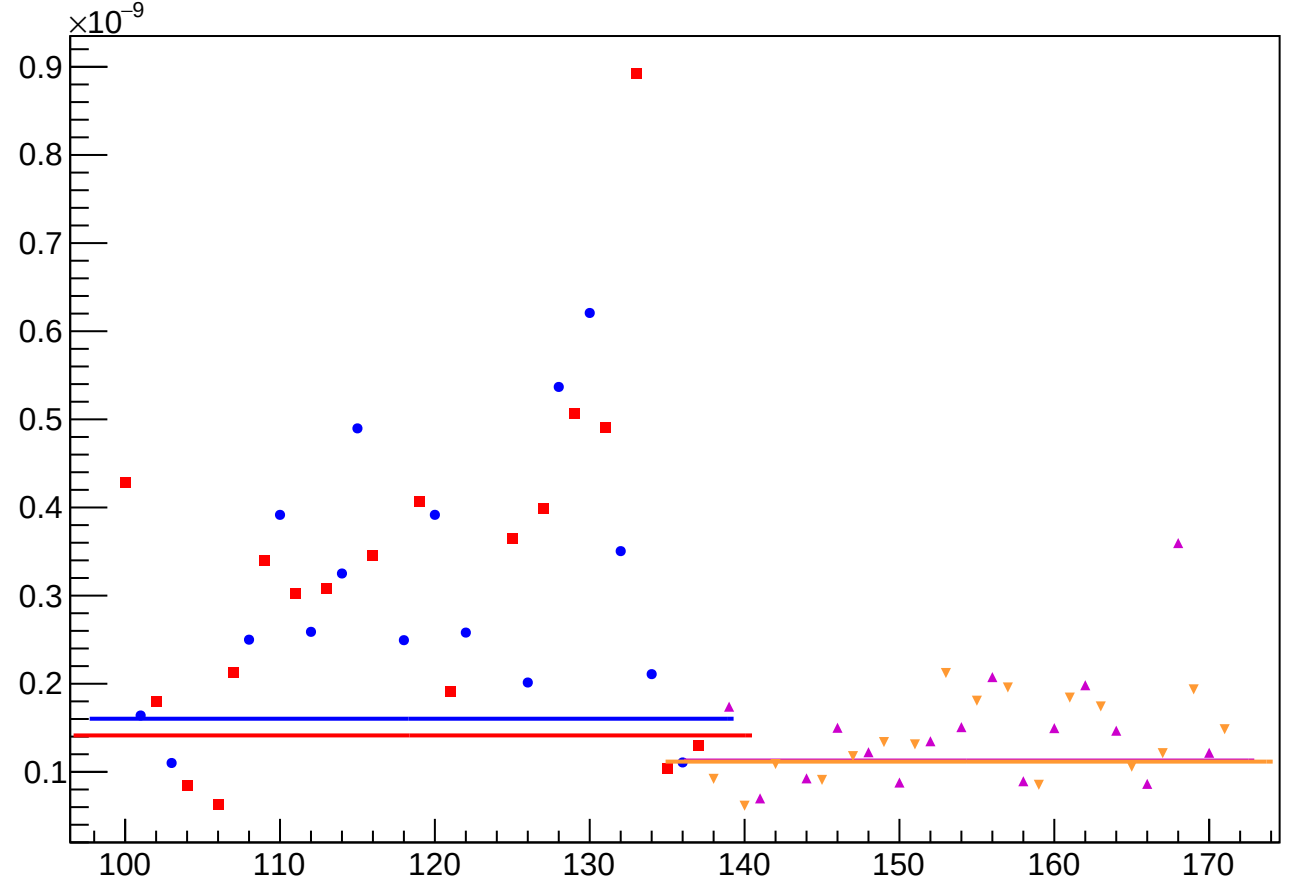
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 30.5/32

All: -0.000+/-0.000 χ^2/NDF: 61.6/66

- sign -0.000+/-0.000 χ^2/NDF: 29.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1179842.9/16

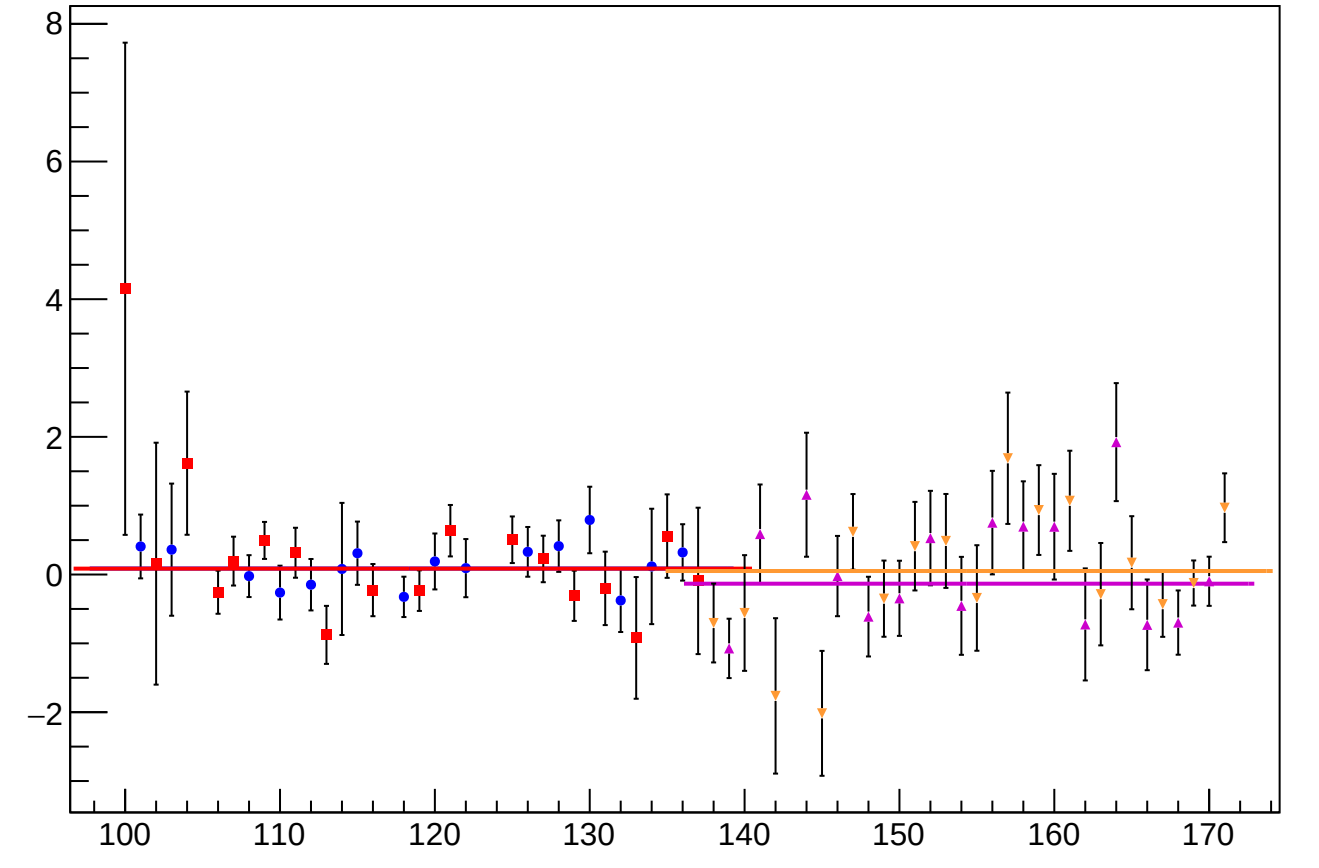
Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1152518.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 2858913.0/32

All: 0.000+/-0.000 χ^2/NDF: 6301148.8/66

- sign 0.000+/-0.000 χ^2/NDF: 3439158.5/33



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.051+/-0.147 χ^2/NDF:24.3/16

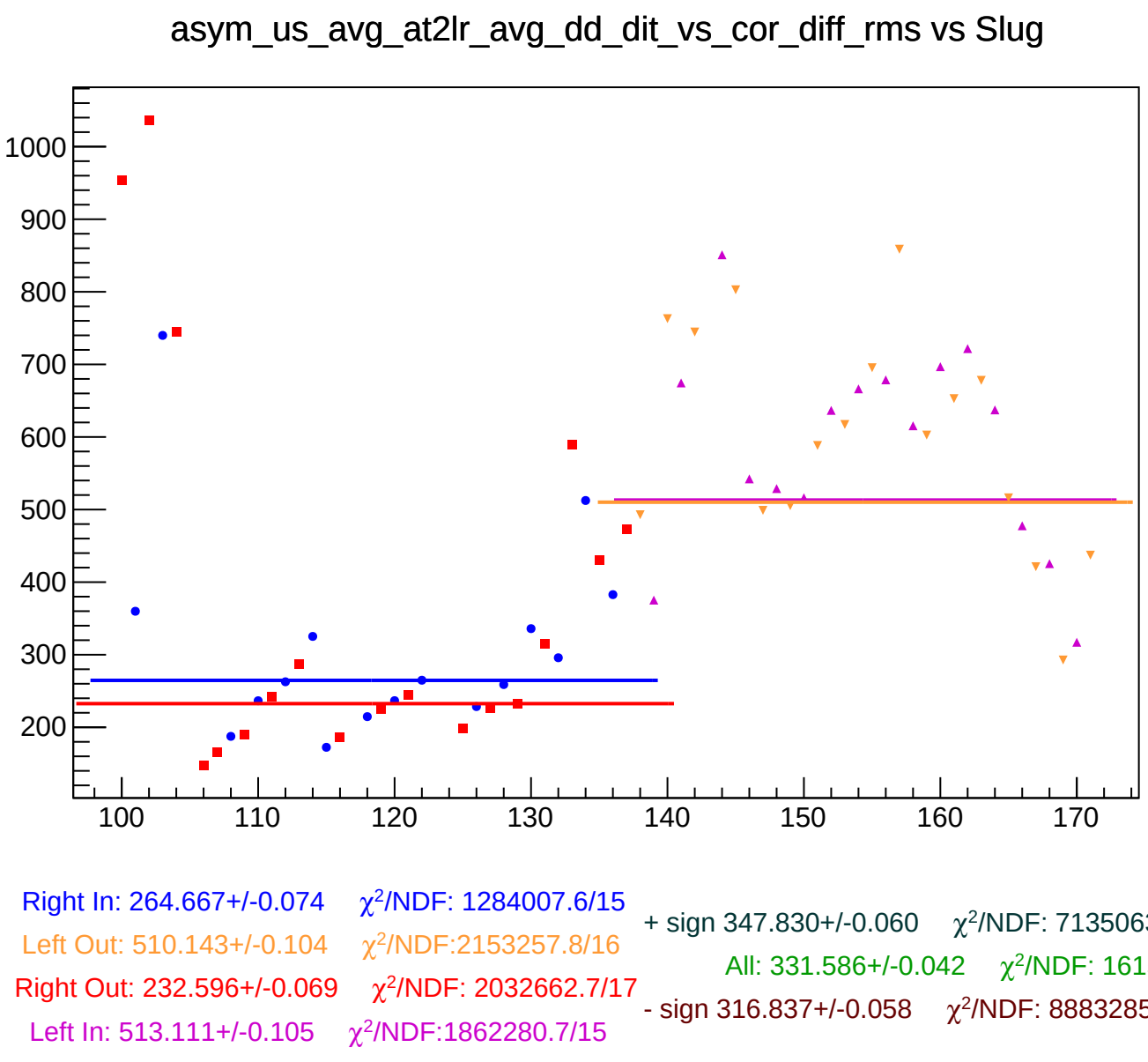
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.133+/-0.149 χ^2/NDF:22.6/15

+ sign 0.075+/-0.085 χ^2/NDF: 33.2/32

All: 0.046+/-0.059 χ^2/NDF: 79.3/66

- sign 0.020+/-0.081 χ^2/NDF: 45.9/33


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
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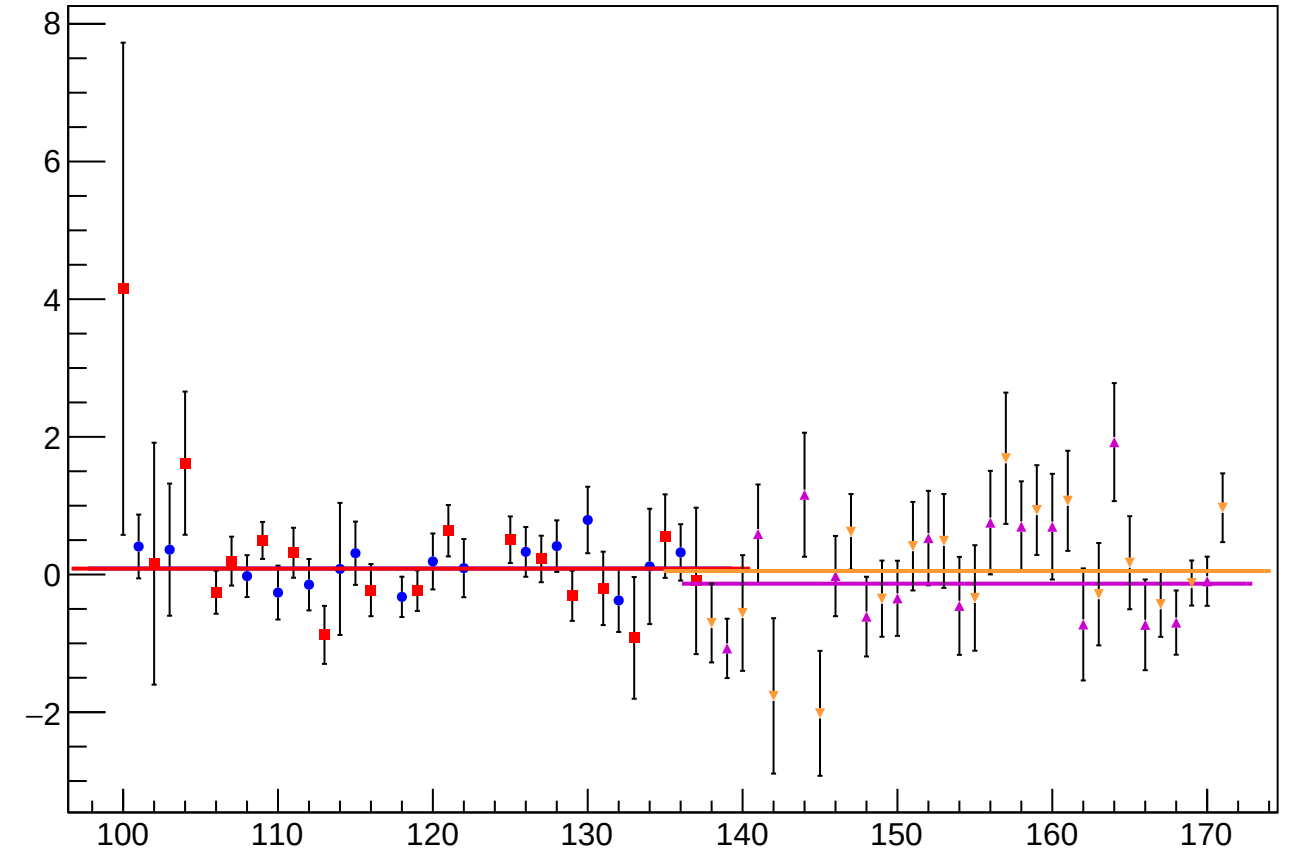
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 510.143+/-0.104 χ²/NDF:2153257.8/16
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 513.111+/-0.105 χ²/NDF:1862280.7/15
+ sign 347.830+/-0.060 χ²/NDF: 7135063.0/32
All: 331.586+/-0.042 χ²/NDF: 16156258.8/66
- sign 316.837+/-0.058 χ²/NDF: 8883285.2/33



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.051+/-0.147 χ^2/NDF:24.3/16

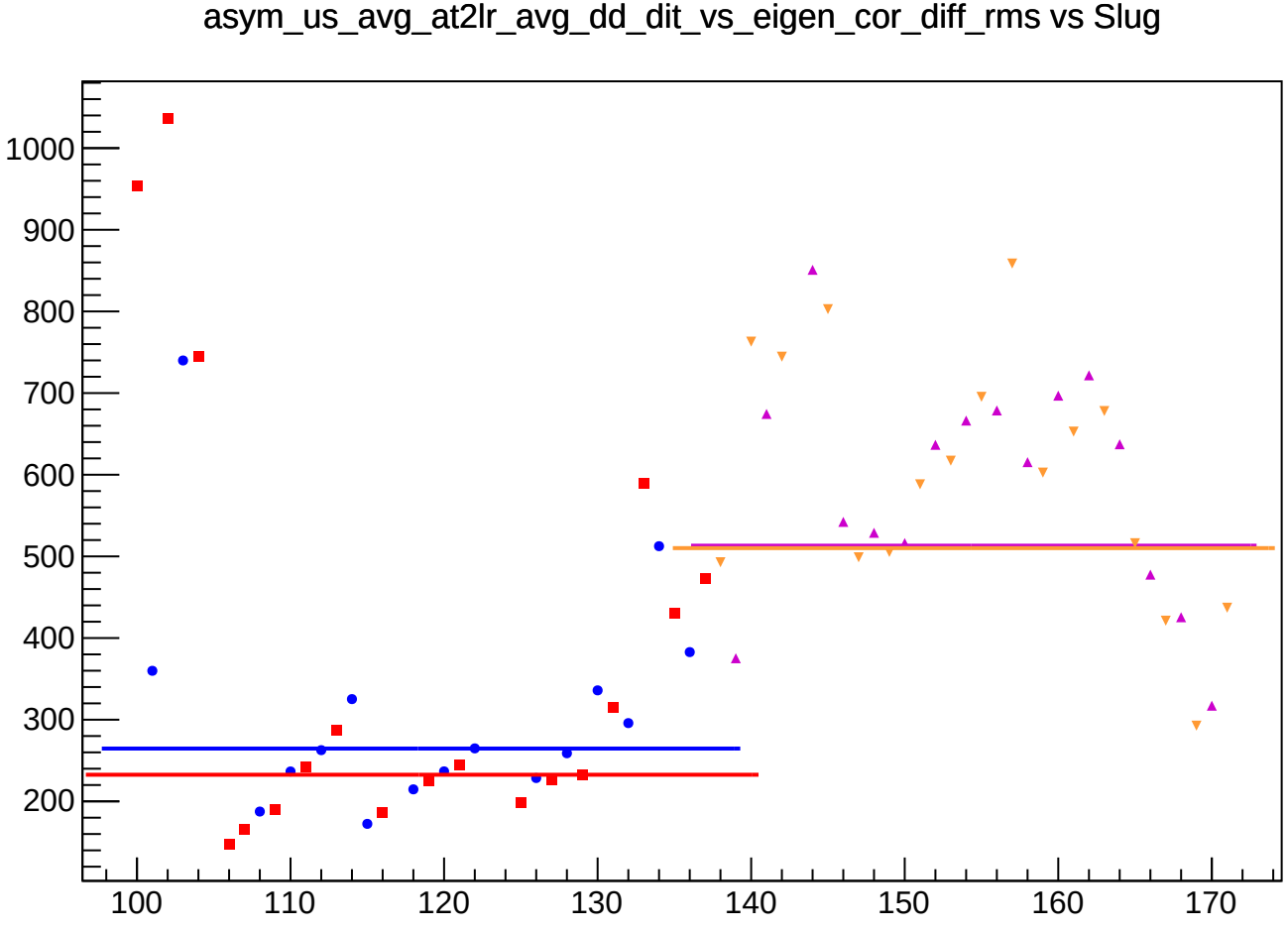
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.133+/-0.149 χ^2/NDF:22.6/15

\+ sign 0.075+/-0.085 χ^2/NDF: 33.2/32

All: 0.046+/-0.059 χ^2/NDF: 79.3/66

\- sign 0.020+/-0.081 χ^2/NDF: 45.9/33


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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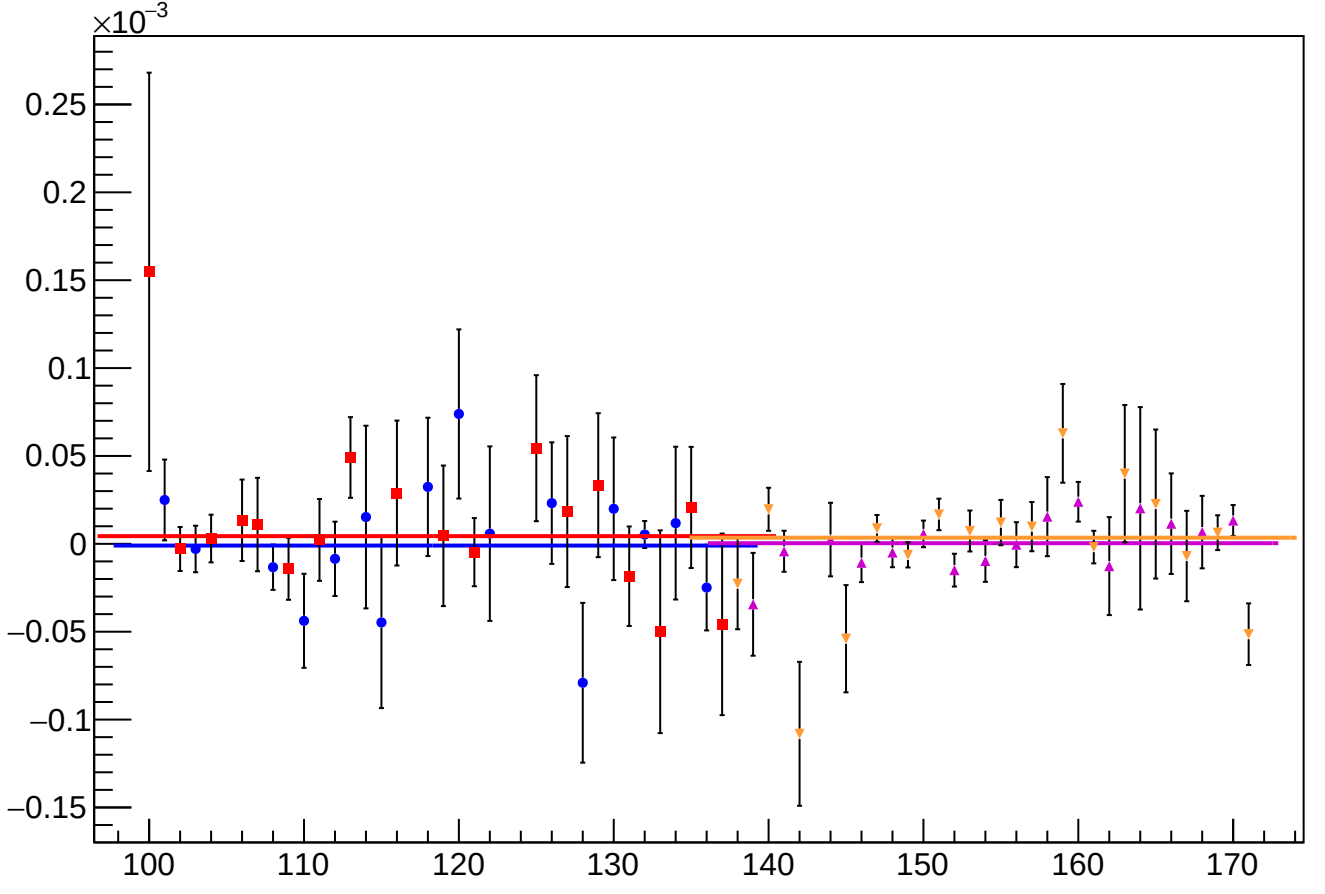
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 510.143+/-0.104 χ²/NDF:2153257.8/16
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 513.111+/-0.105 χ²/NDF:1862280.7/15
+ sign 347.830+/-0.060 χ²/NDF: 7135063.0/32
All: 331.586+/-0.042 χ²/NDF: 16156258.8/66
- sign 316.837+/-0.058 χ²/NDF: 8883285.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/16

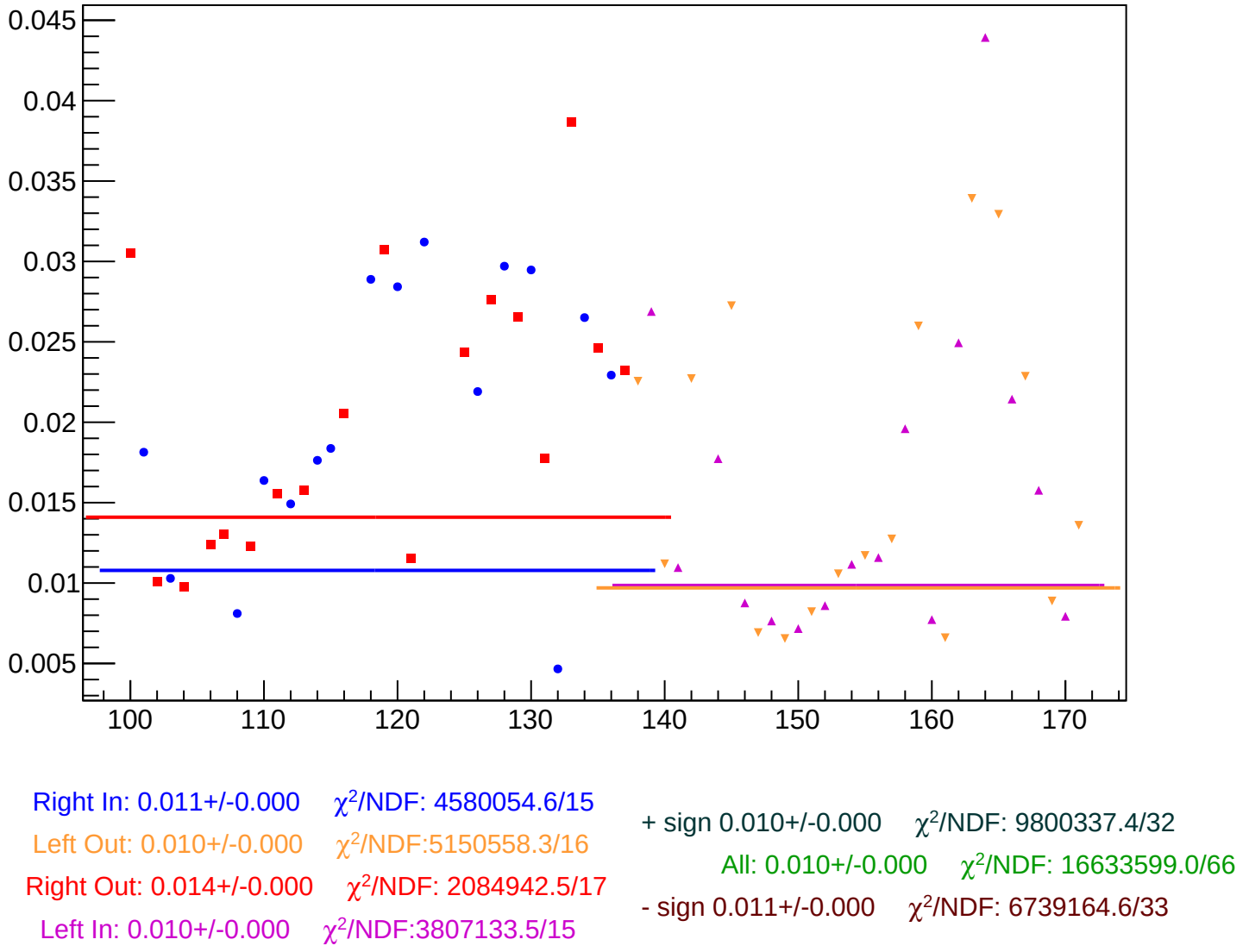
Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/32

All: 0.000+/-0.000 χ^2/NDF: 77.4/66

- sign 0.000+/-0.000 χ^2/NDF: 27.4/33


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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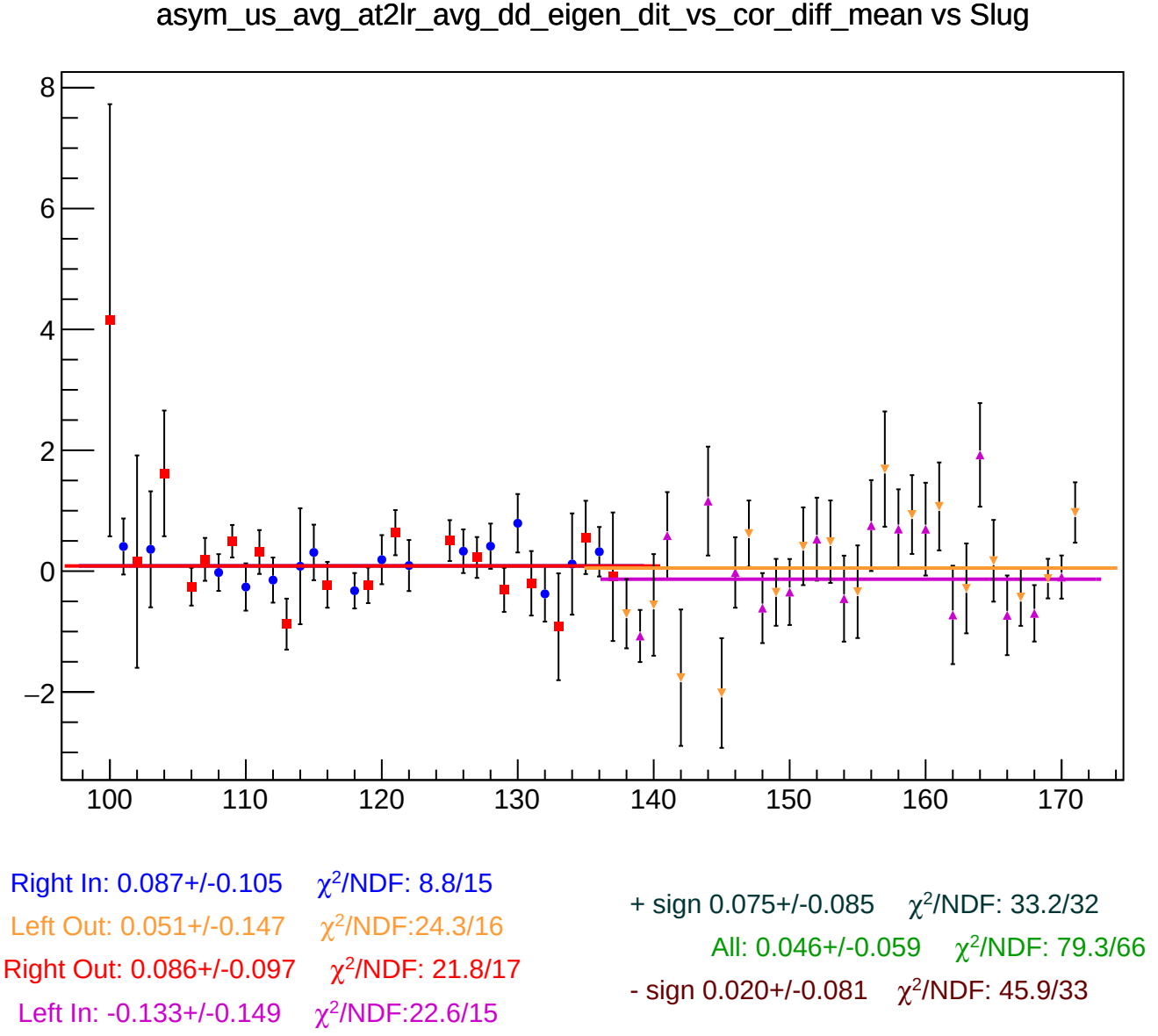
Right In: 0.011+/-0.000 χ²/NDF: 4580054.6/15
Left Out: 0.010+/-0.000 χ²/NDF:5150558.3/16
Right Out: 0.014+/-0.000 χ²/NDF: 2084942.5/17
Left In: 0.010+/-0.000 χ²/NDF:3807133.5/15
+ sign 0.010+/-0.000 χ²/NDF: 9800337.4/32
All: 0.010+/-0.000 χ²/NDF: 16633599.0/66
- sign 0.011+/-0.000 χ²/NDF: 6739164.6/33


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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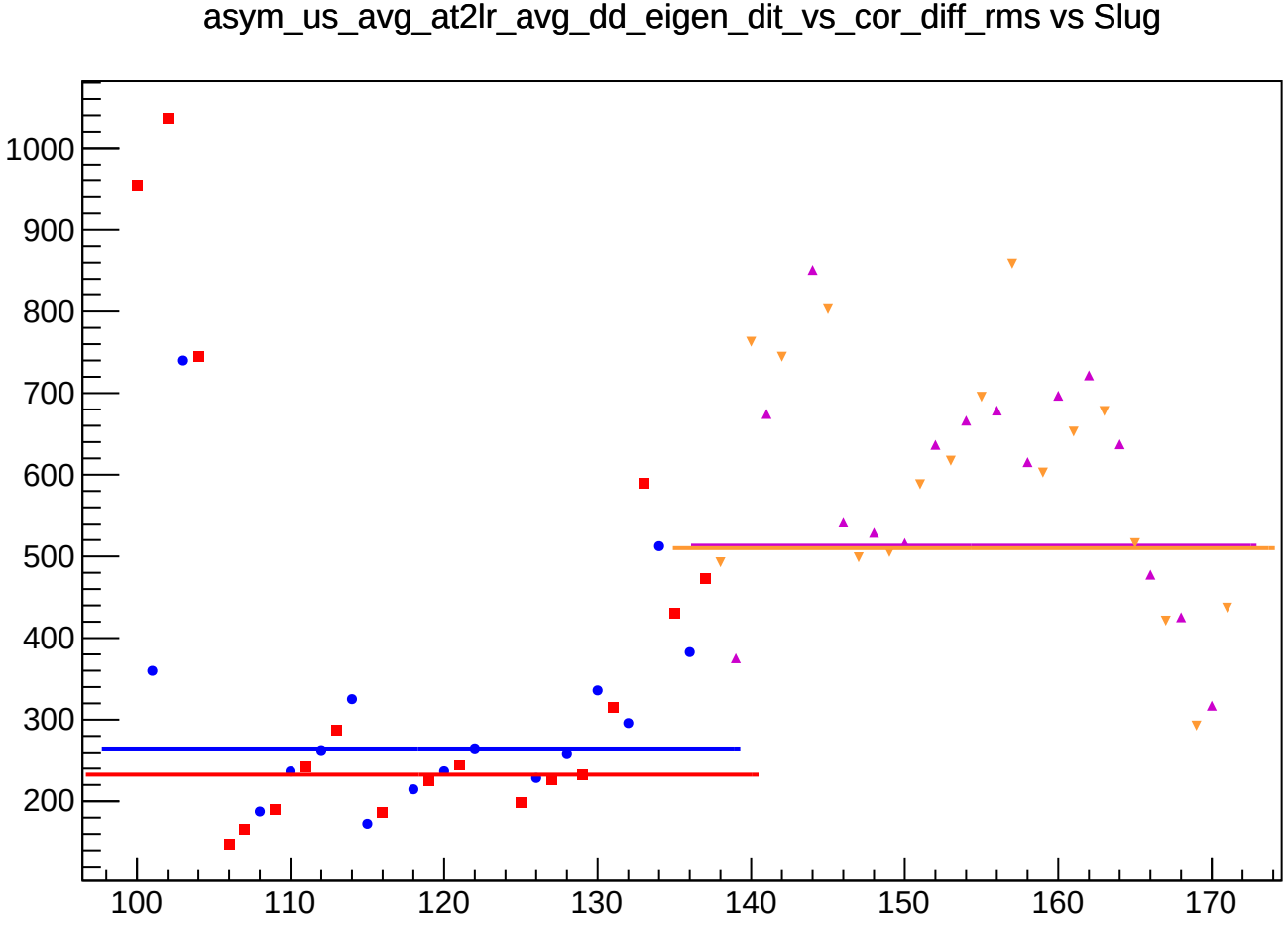
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: 0.051+/-0.147 χ²/NDF:24.3/16
Right Out: 0.086+/-0.097 χ²/NDF: 21.8/17
Left In: -0.133+/-0.149 χ²/NDF:22.6/15
+ sign 0.075+/-0.085 χ²/NDF: 33.2/32
All: 0.046+/-0.059 χ²/NDF: 79.3/66
- sign 0.020+/-0.081 χ²/NDF: 45.9/33



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 510.145+/-0.104 χ^2/NDF:2153362.0/16

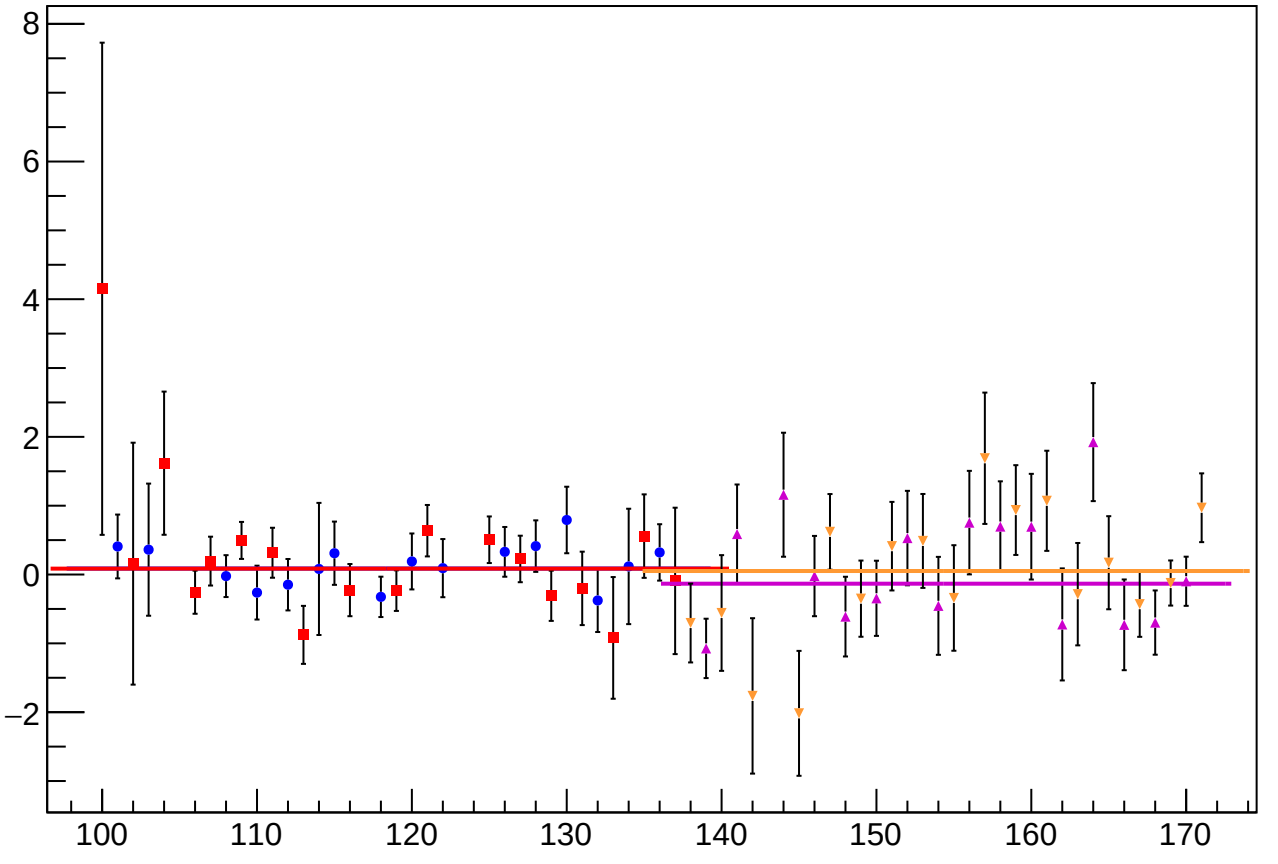
Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 513.117+/-0.105 χ^2/NDF:1862292.1/15

+ sign 347.830+/-0.060 χ^2/NDF: 7135188.7/32

All: 331.587+/-0.042 χ^2/NDF: 16156490.6/66

- sign 316.838+/-0.058 χ^2/NDF: 8883404.0/33



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.051+/-0.147 χ^2/NDF:24.3/16

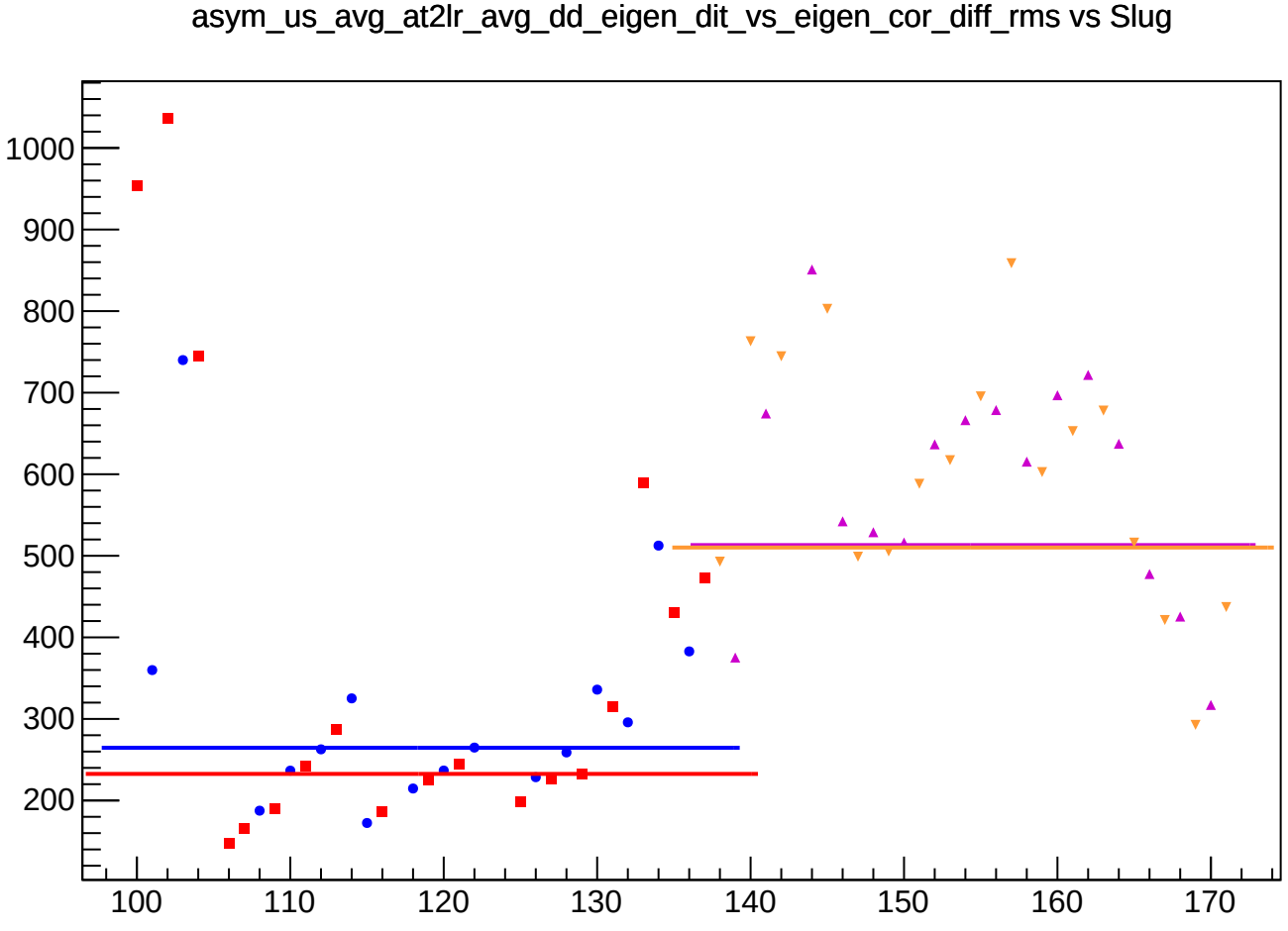
Right Out: 0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: -0.133+/-0.149 χ^2/NDF:22.6/15

+ sign 0.075+/-0.085 χ^2/NDF: 33.2/32

All: 0.046+/-0.059 χ^2/NDF: 79.3/66

- sign 0.020+/-0.081 χ^2/NDF: 45.9/33


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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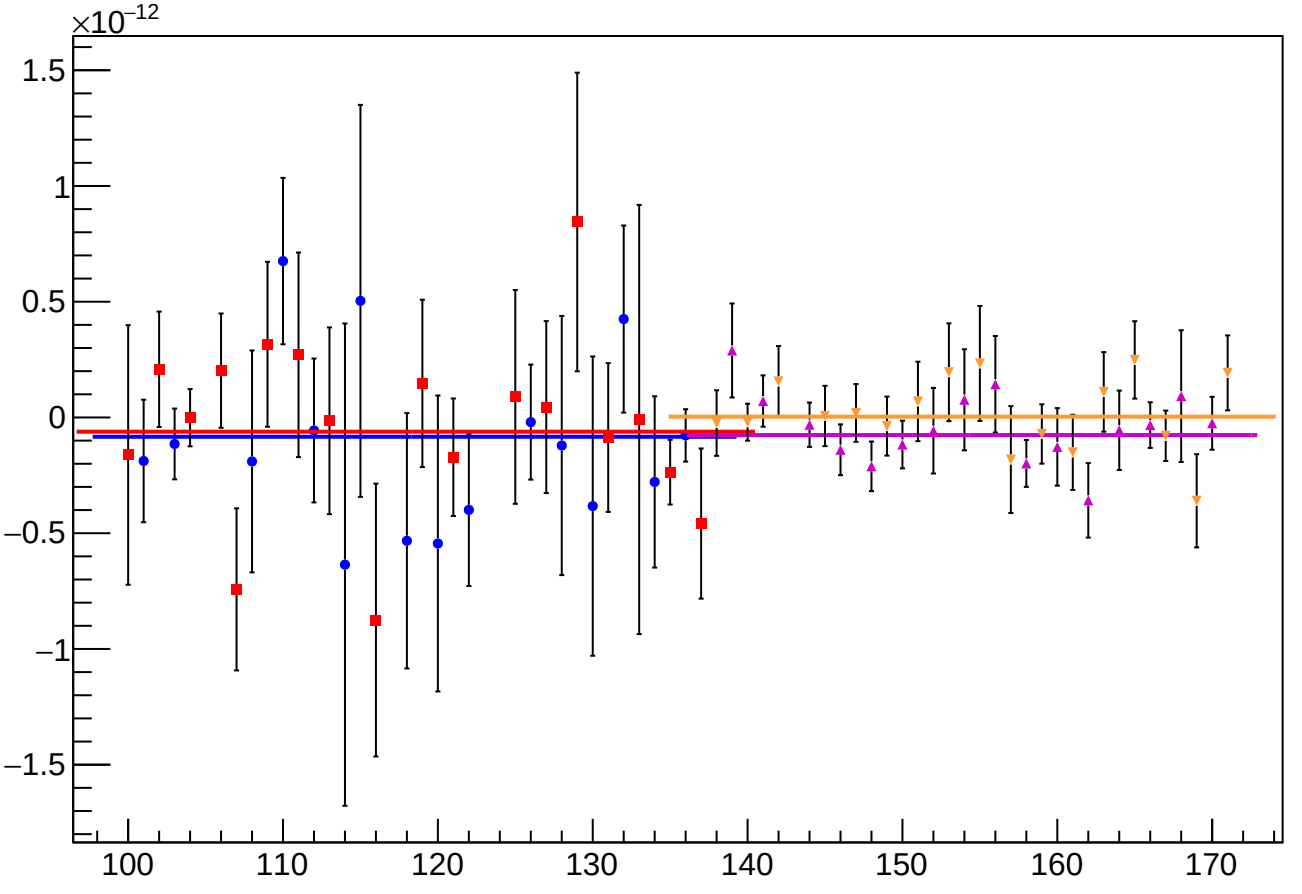
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 510.145+/-0.104 χ²/NDF:2153362.0/16
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 513.117+/-0.105 χ²/NDF:1862292.1/15
+ sign 347.830+/-0.060 χ²/NDF: 7135188.7/32
All: 331.587+/-0.042 χ²/NDF: 16156490.6/66
- sign 316.838+/-0.058 χ²/NDF: 8883404.0/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/16

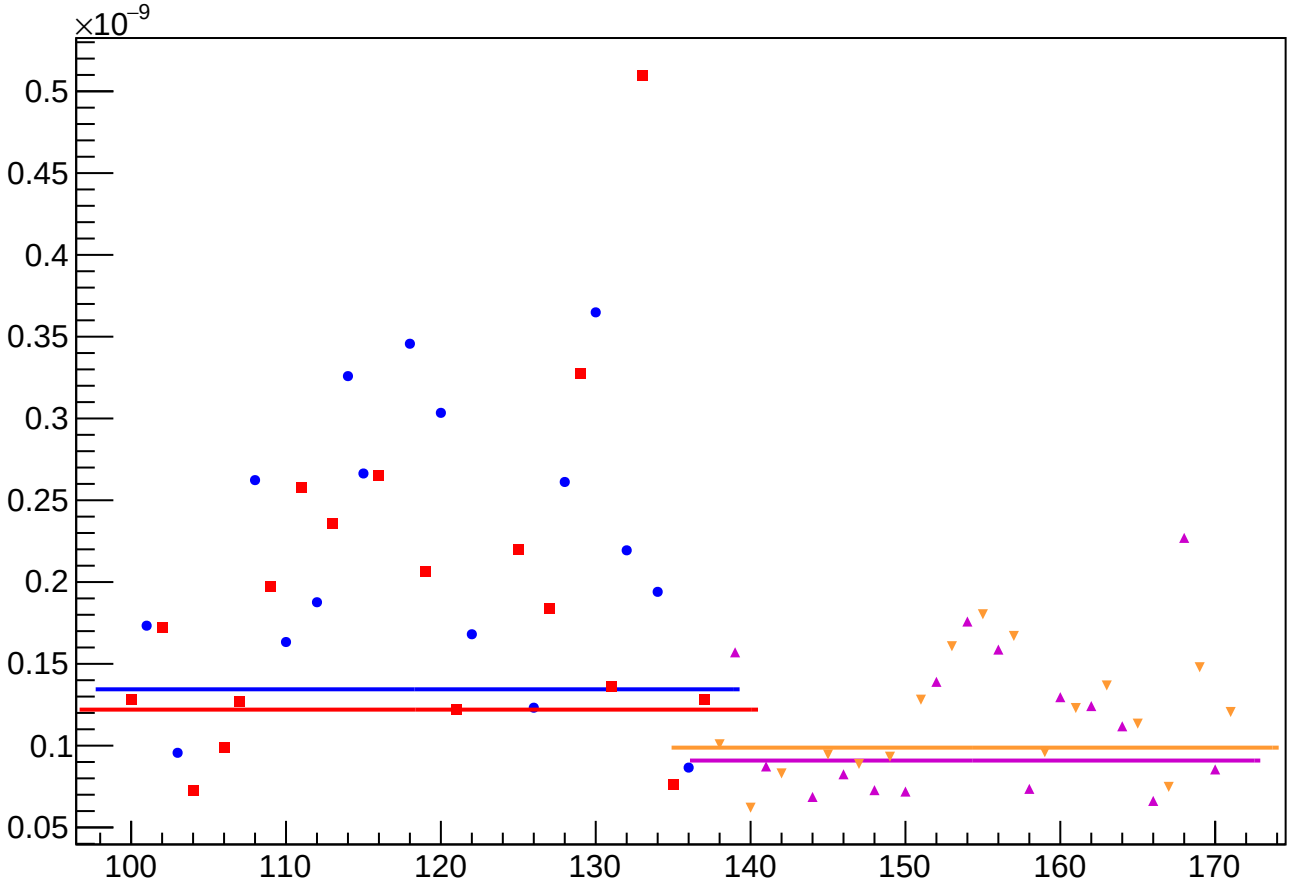
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 23.7/32

All: -0.000+/-0.000 χ^2/NDF: 55.7/66

- sign -0.000+/-0.000 χ^2/NDF: 30.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1495372.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

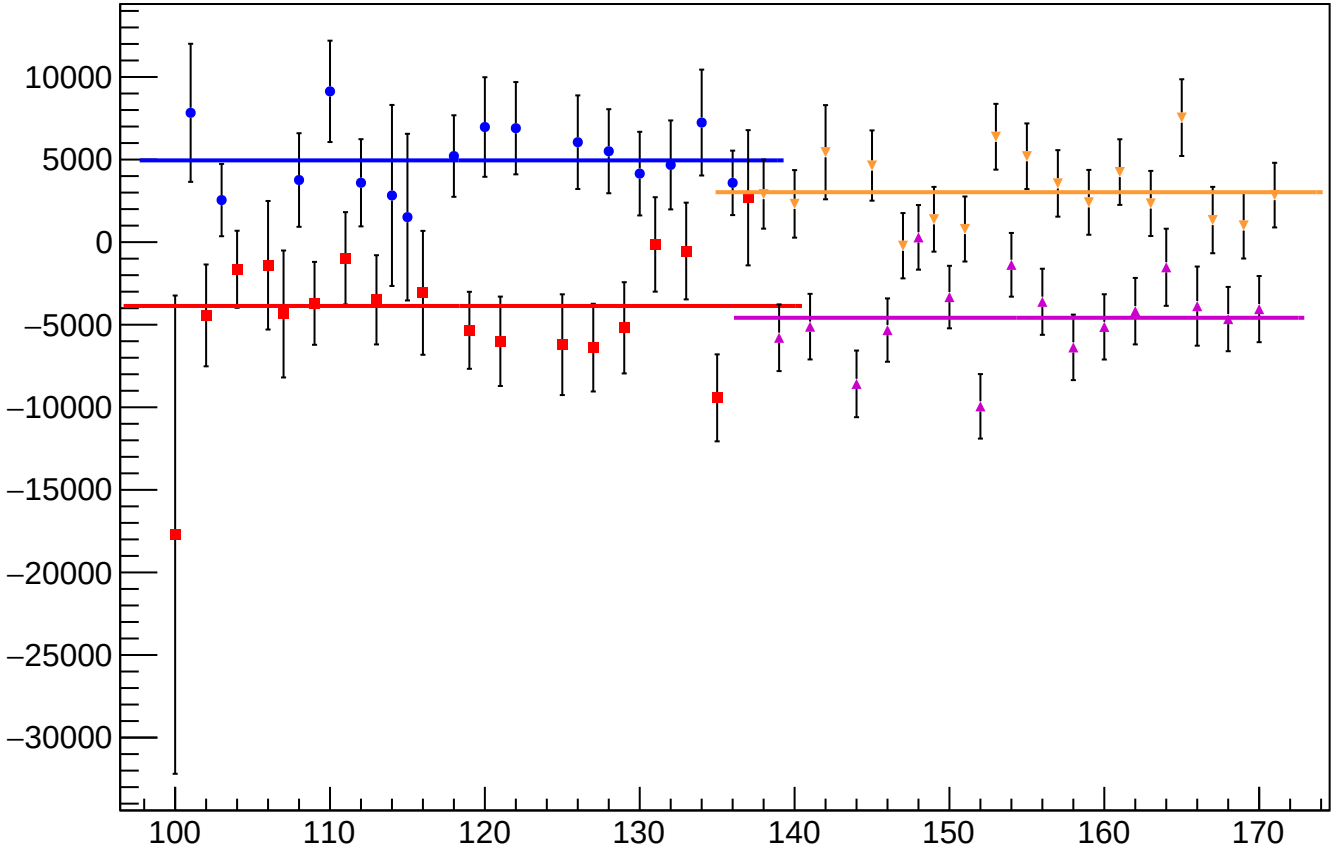
Left In: 0.000+/-0.000 χ^2/NDF:1977552.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 3737656.7/32

All: 0.000+/-0.000 χ^2/NDF: 8175583.8/66

- sign 0.000+/-0.000 χ^2/NDF: 4352770.9/33

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3024.476+/-496.854 χ^2/NDF:16.3/16

Right Out: -3865.145+/-695.781 χ^2/NDF: 16.2/17

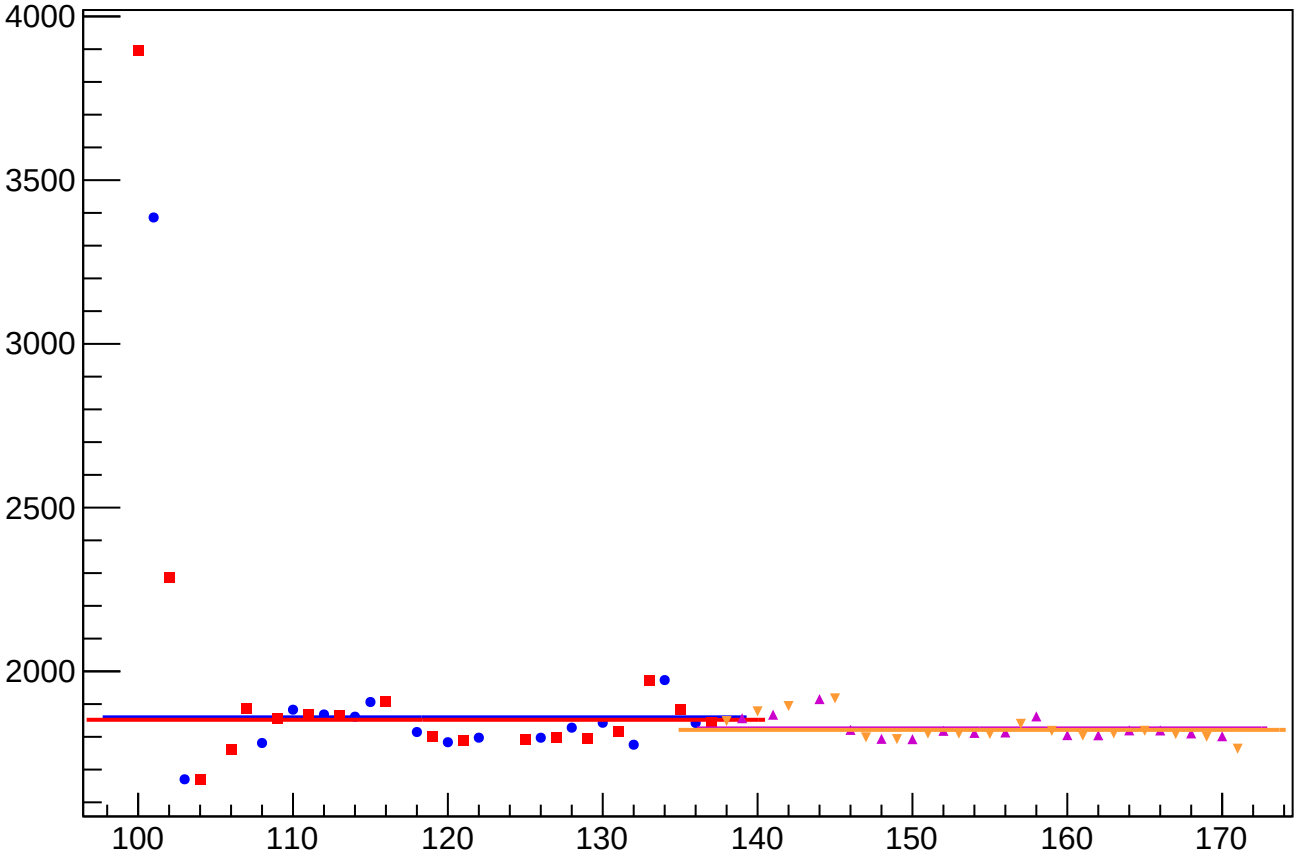
Left In: -4580.483+/-502.187 χ^2/NDF:24.5/15

+ sign 3670.977+/-404.960 χ^2/NDF: 28.2/32

All: -310.145+/-287.139 χ^2/NDF: 263.9/66

- sign -4335.472+/-407.202 χ^2/NDF: 41.4/33

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1821.267+/-0.351 χ^2/NDF:10559.0/16

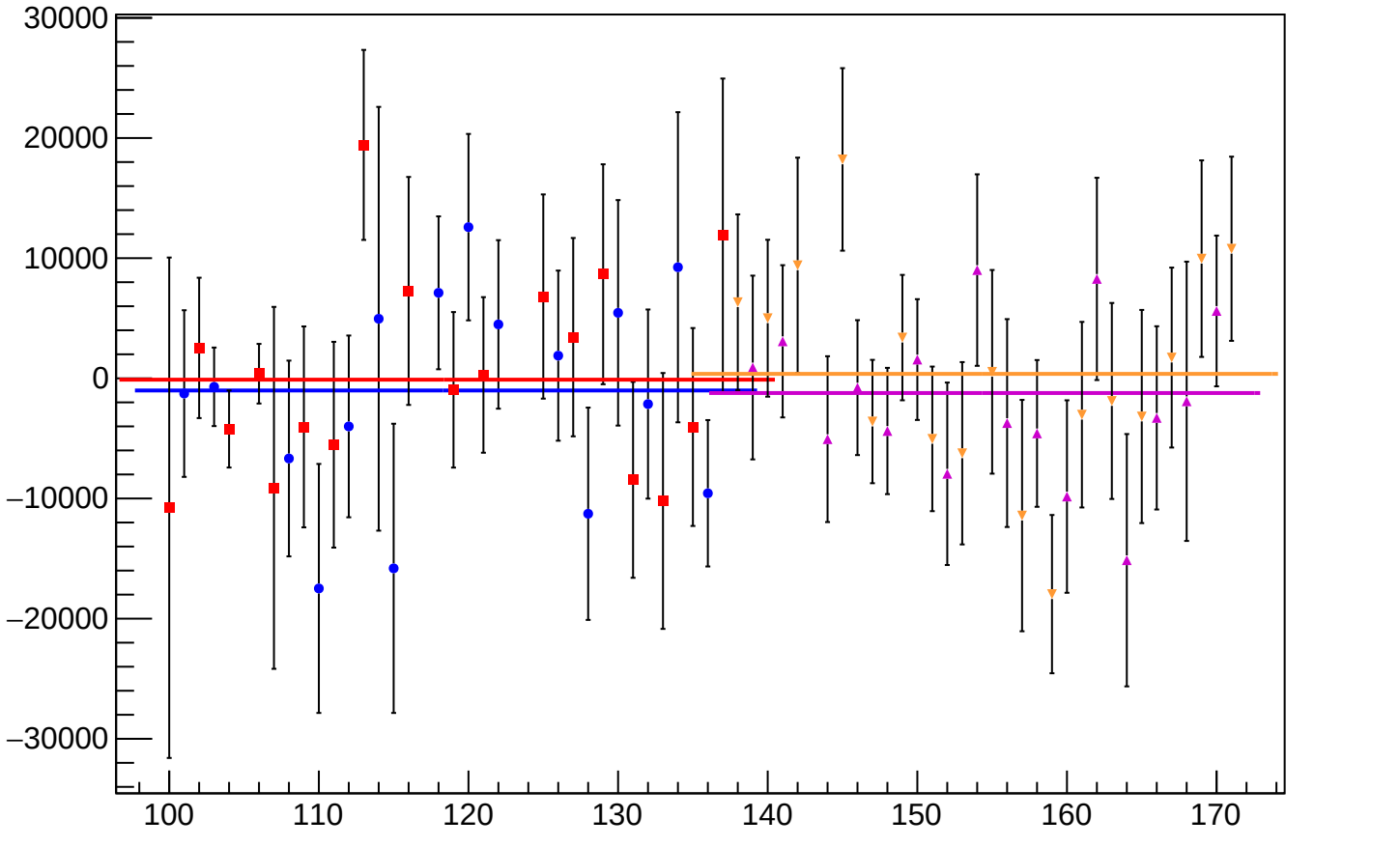
Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1825.677+/-0.355 χ^2/NDF:8196.0/15

+ sign 1834.105+/-0.286 χ^2/NDF: 306871.1/32

All: 1834.427+/-0.203 χ^2/NDF: 419181.1/66

- sign 1834.752+/-0.288 χ^2/NDF: 112307.5/33



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 370.773+/-1731.058 χ^2/NDF:23.1/16

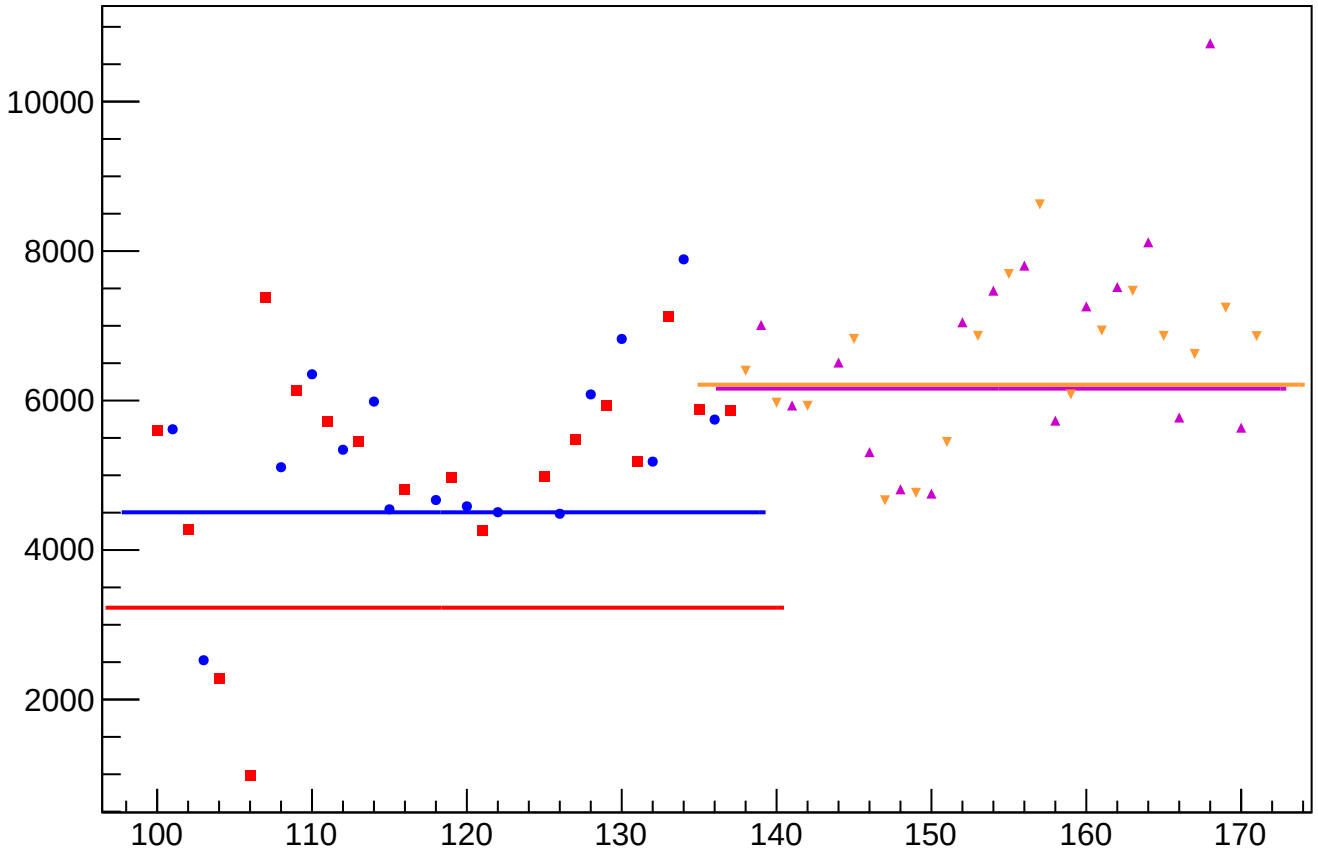
Right Out: -111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: -1221.458+/-1733.957 χ^2/NDF:9.8/15

+ sign -306.671+/-1235.587 χ^2/NDF: 38.2/32

All: -449.326+/-824.543 χ^2/NDF: 62.9/66

- sign -563.859+/-1107.120 χ^2/NDF: 24.7/33



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6212.225+/-1.224 χ^2/NDF:717134.1/16

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

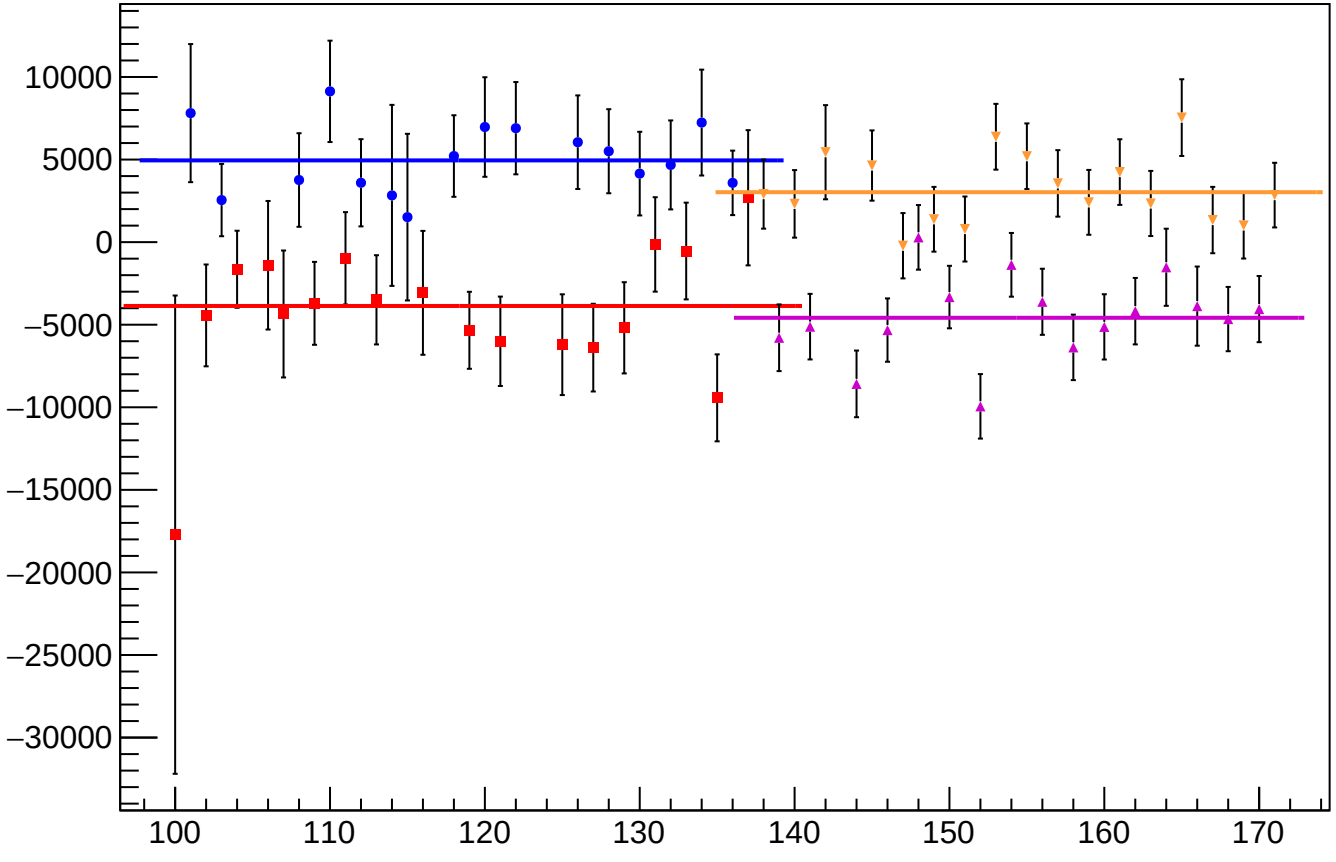
Left In: 6159.551+/-1.226 χ^2/NDF:1024041.5/15

+ sign 5374.685+/-0.874 χ^2/NDF: 2992696.7/32

All: 4847.075+/-0.583 χ^2/NDF: 12015375.0/6

- sign 4423.475+/-0.783 χ^2/NDF: 8365212.4/33

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3024.372+/-496.854 χ^2/NDF:16.3/16

Right Out: -3864.930+/-695.781 χ^2/NDF: 16.2/17

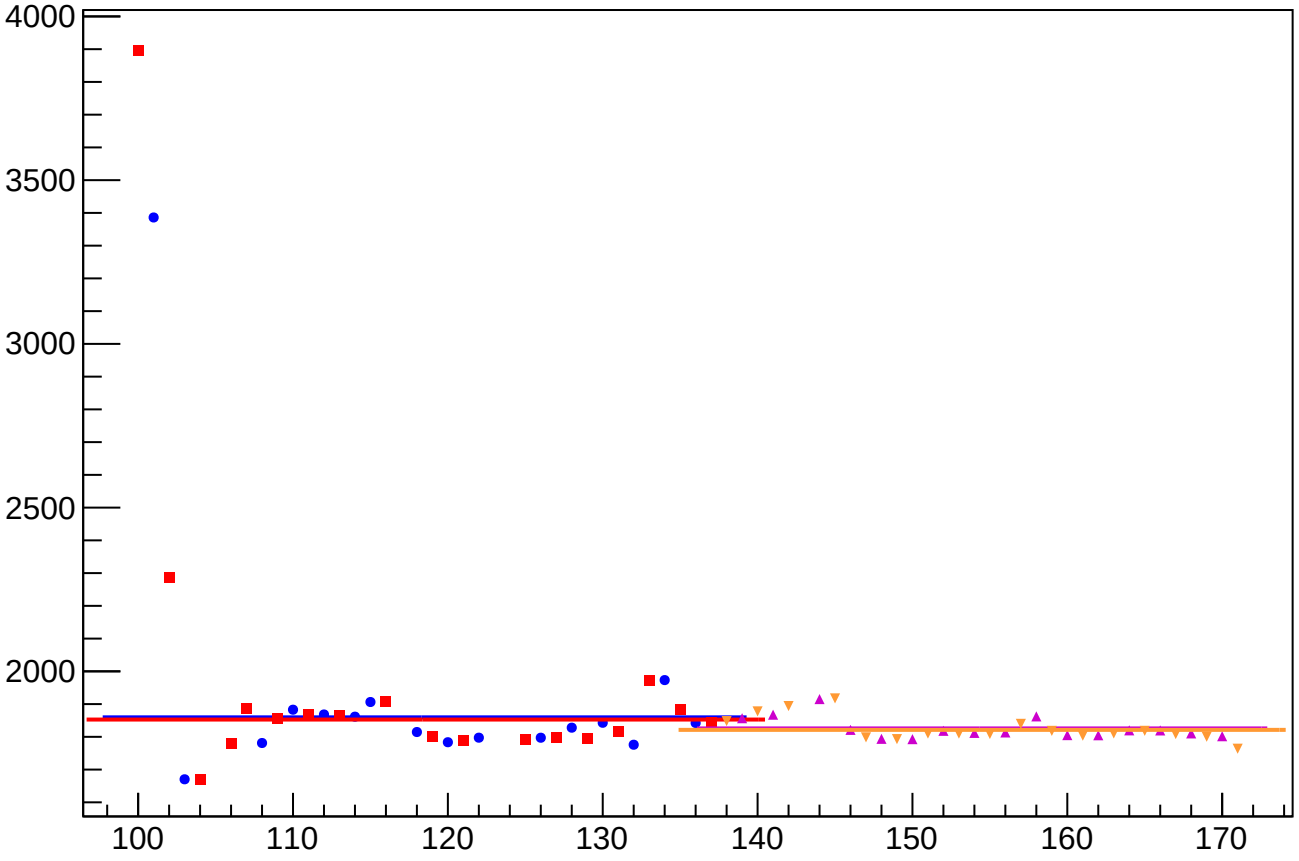
Left In: -4580.559+/-502.187 χ^2/NDF:24.5/15

+ sign 3670.746+/-404.960 χ^2/NDF: 28.2/32

All: -310.250+/-287.139 χ^2/NDF: 263.9/66

- sign -4335.448+/-407.202 χ^2/NDF: 41.4/33

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1821.267+/-0.351 χ^2/NDF:10559.0/16

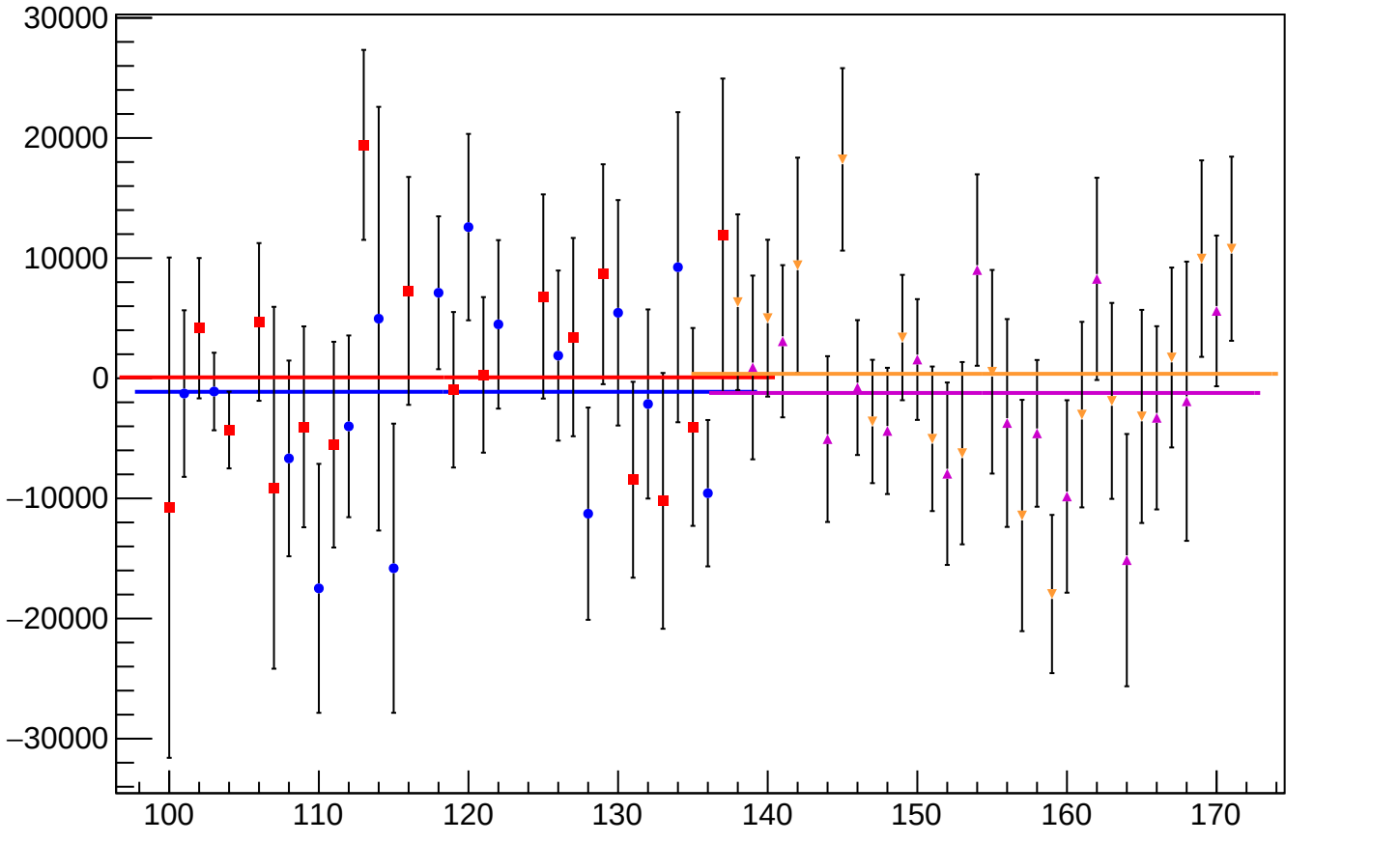
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1825.677+/-0.355 χ^2/NDF:8196.0/15

+ sign 1834.105+/-0.286 χ^2/NDF: 306873.0/32

All: 1834.546+/-0.203 χ^2/NDF: 418825.3/66

- sign 1834.990+/-0.288 χ^2/NDF: 111947.5/33



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 370.709+/-1731.056 χ^2/NDF:23.1/16

Right Out: 78.270+/-1702.444 χ^2/NDF: 15.5/17

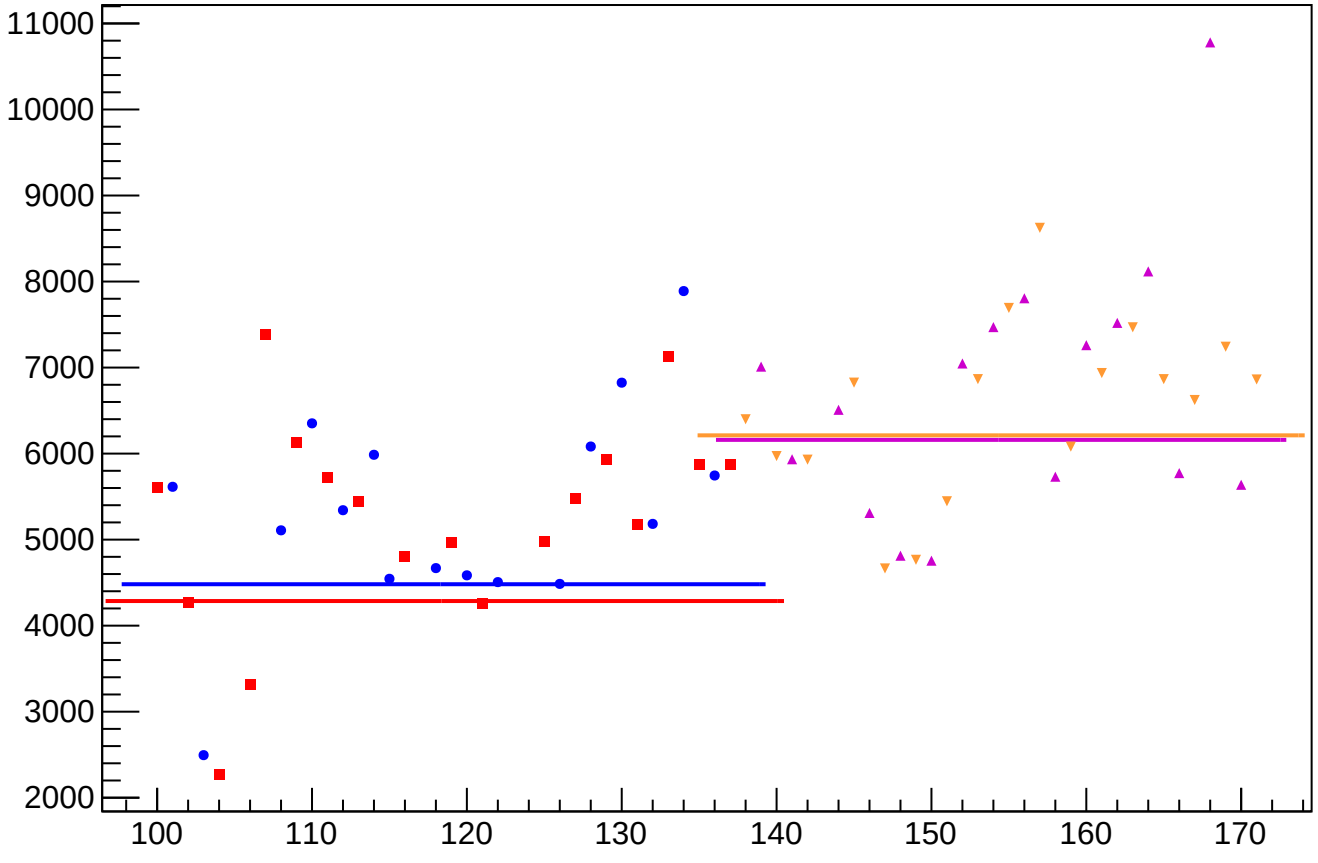
Left In: -1221.579+/-1733.957 χ^2/NDF:9.8/15

+ sign -365.928+/-1233.414 χ^2/NDF: 38.2/32

All: -464.305+/-865.499 χ^2/NDF: 63.9/66

- sign -559.735+/-1214.798 χ^2/NDF: 25.6/33

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: 6212.218+/-1.224 χ^2/NDF:717140.5/16

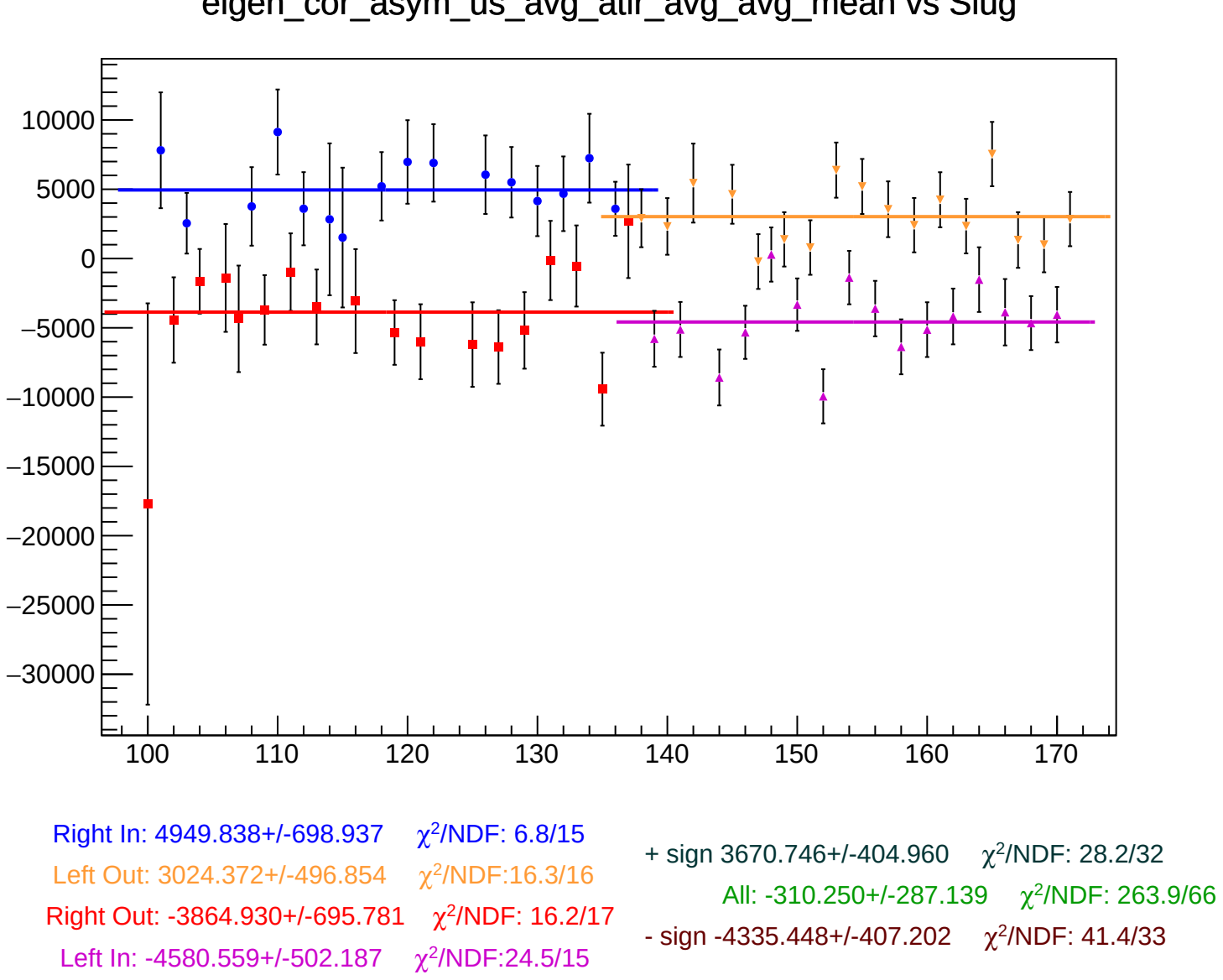
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

+ sign 5360.171+/-0.872 χ^2/NDF: 3063617.0/32

All: 5281.740+/-0.612 χ^2/NDF: 6842194.0/66

- sign 5205.658+/-0.859 χ^2/NDF: 3762645.0/33


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
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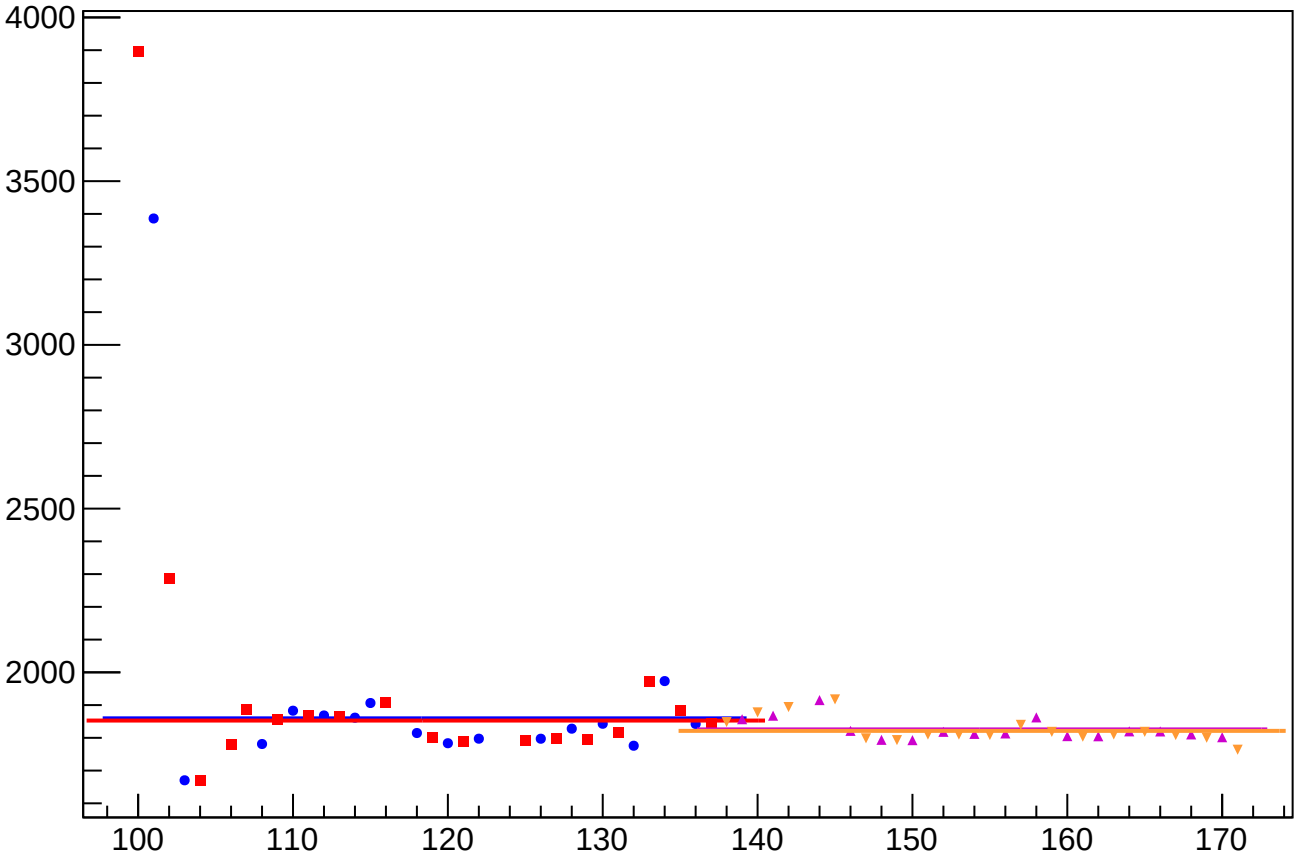
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: 4949.838+/-698.937 χ²/NDF: 6.8/15
Left Out: 3024.372+/-496.854 χ²/NDF:16.3/16
Right Out: -3864.930+/-695.781 χ²/NDF: 16.2/17
Left In: -4580.559+/-502.187 χ²/NDF:24.5/15
+ sign 3670.746+/-404.960 χ²/NDF: 28.2/32
All: -310.250+/-287.139 χ²/NDF: 263.9/66
- sign -4335.448+/-407.202 χ²/NDF: 41.4/33

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: 1821.267+/-0.351 χ^2/NDF:10559.0/16

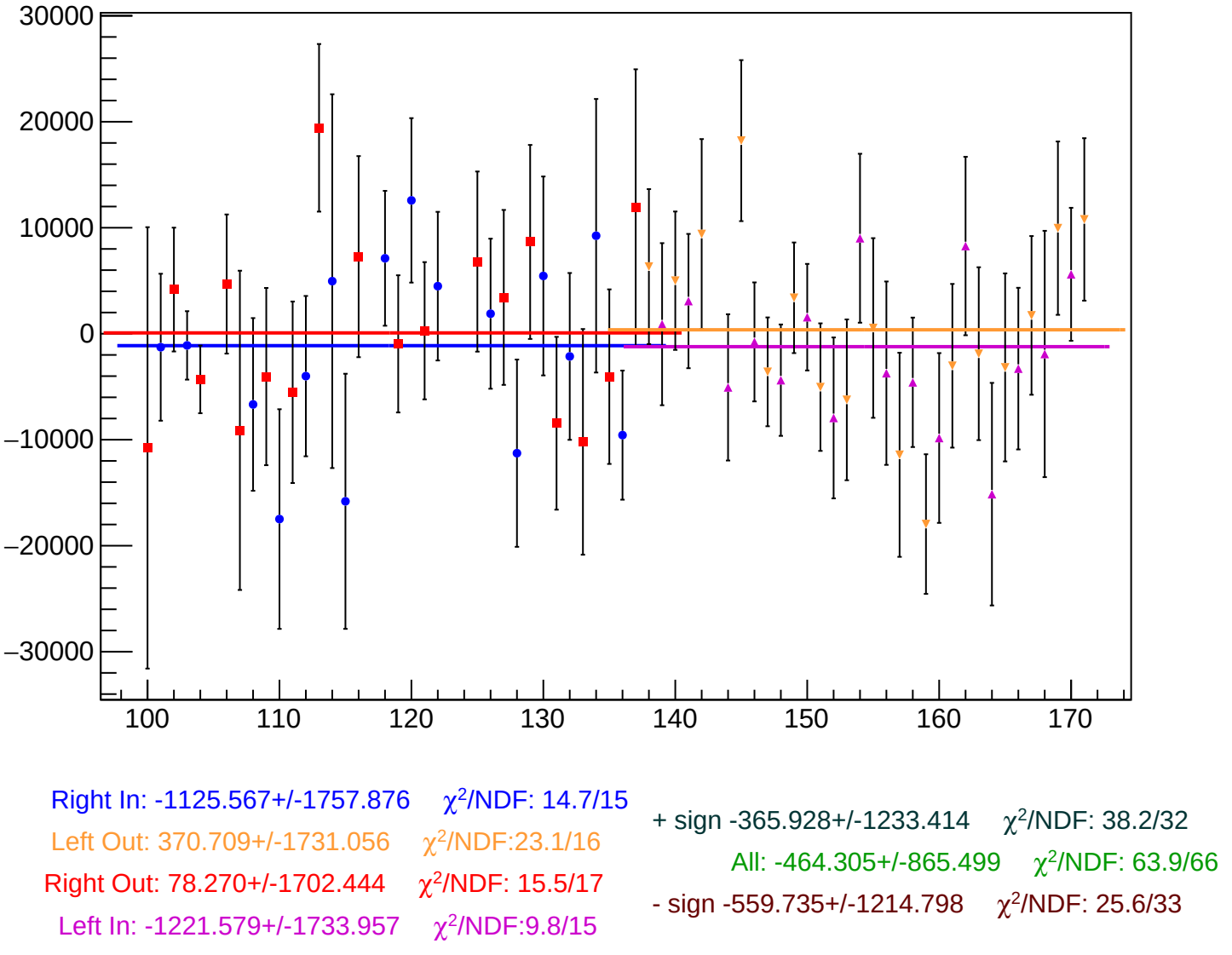
Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1825.677+/-0.355 χ^2/NDF:8196.0/15

+ sign 1834.105+/-0.286 χ^2/NDF: 306873.0/32

All: 1834.546+/-0.203 χ^2/NDF: 418825.3/66

- sign 1834.990+/-0.288 χ^2/NDF: 111947.5/33


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
30000
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130
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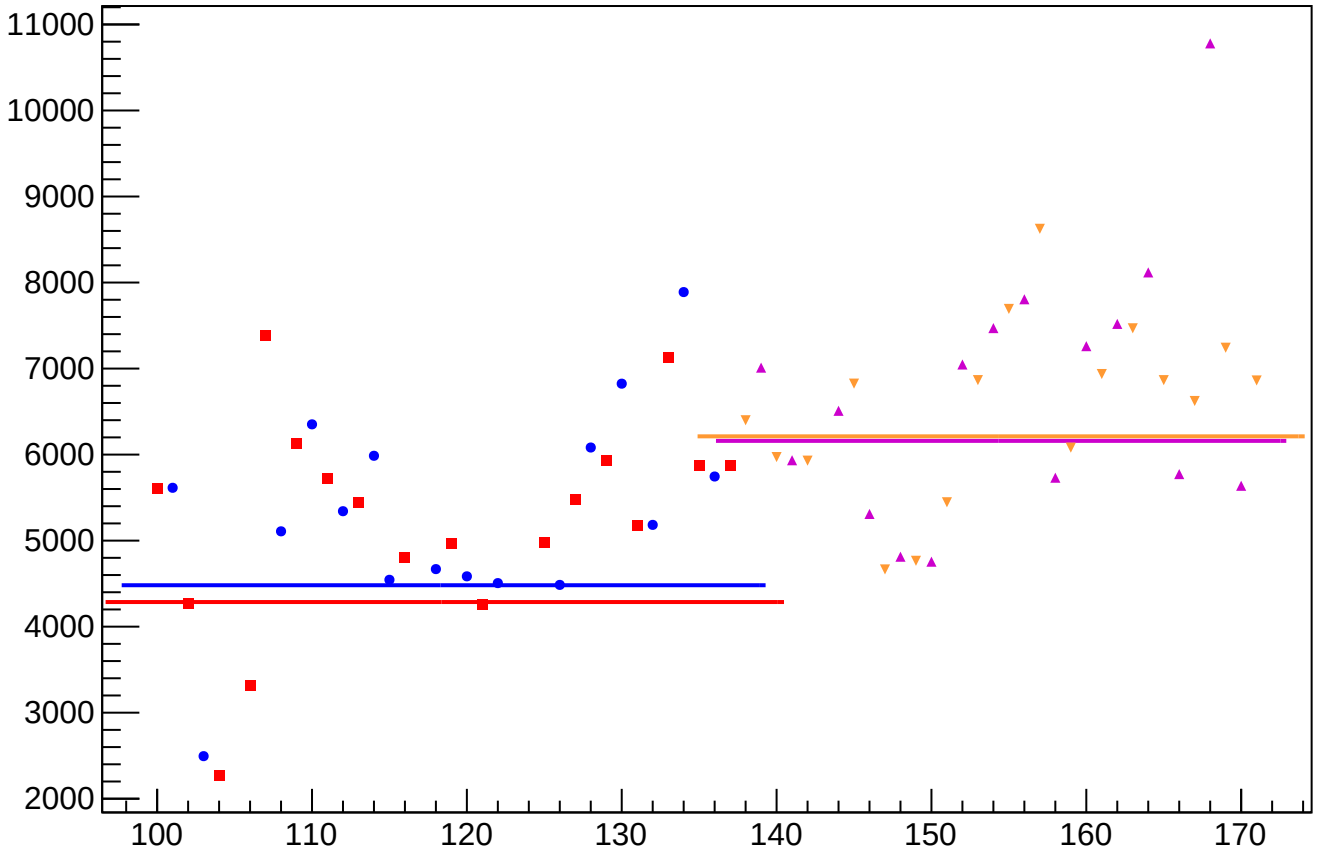
150
160
170
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 370.709+/-1731.056 χ²/NDF:23.1/16
Right Out: 78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: -1221.579+/-1733.957 χ²/NDF:9.8/15
+ sign -365.928+/-1233.414 χ²/NDF: 38.2/32
All: -464.305+/-865.499 χ²/NDF: 63.9/66
- sign -559.735+/-1214.798 χ²/NDF: 25.6/33



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6212.218+/-1.224 χ^2/NDF:717140.5/16

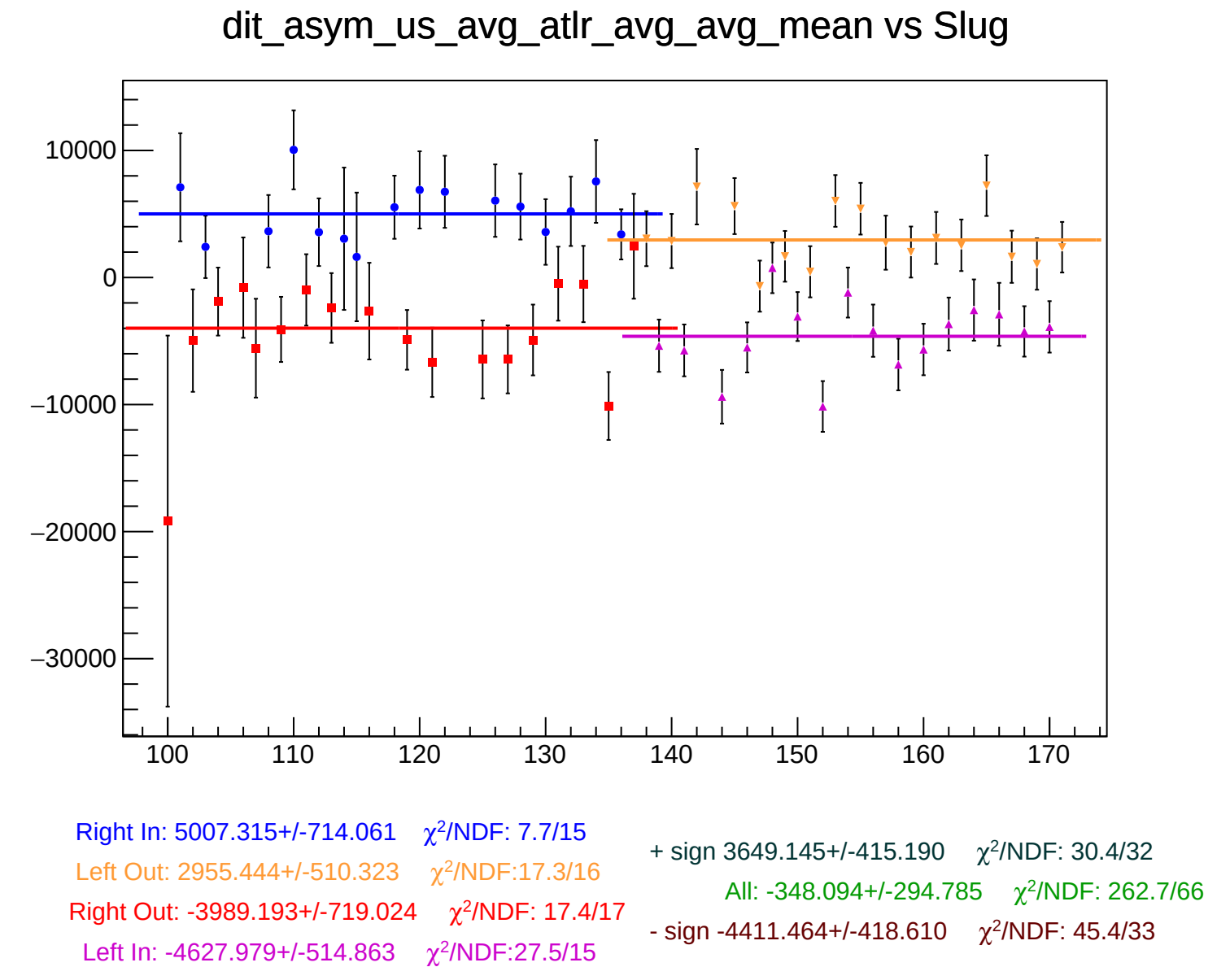
Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

+ sign 5360.171+/-0.872 χ^2/NDF: 3063617.0/32

All: 5281.740+/-0.612 χ^2/NDF: 6842194.0/66

- sign 5205.658+/-0.859 χ^2/NDF: 3762645.0/33


dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
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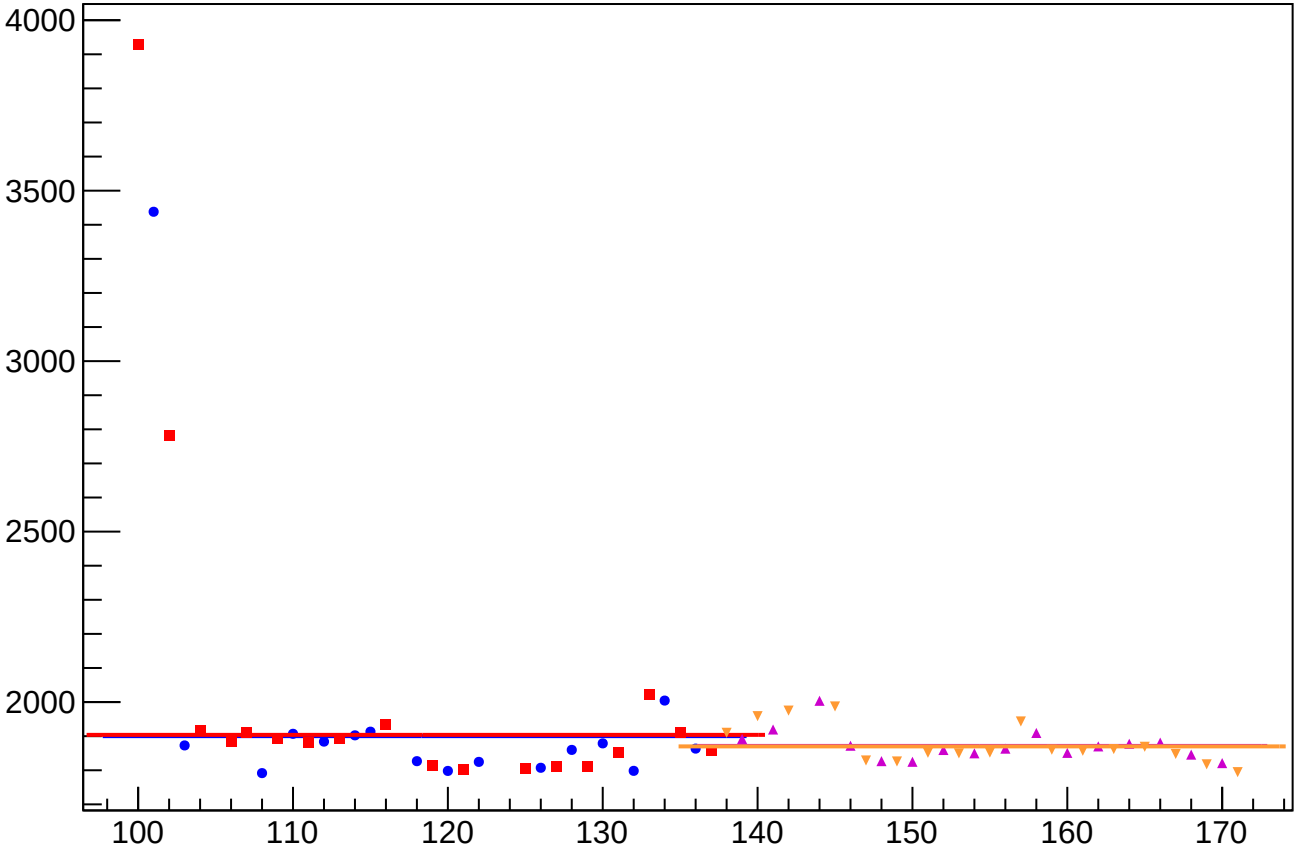
130
140
150
160
170
Right In: 5007.315+/-714.061 χ²/NDF: 7.7/15
Left Out: 2955.444+/-510.323 χ²/NDF:17.3/16
Right Out: -3989.193+/-719.024 χ²/NDF: 17.4/17
Left In: -4627.979+/-514.863 χ²/NDF:27.5/15
+ sign 3649.145+/-415.190 χ²/NDF: 30.4/32
All: -348.094+/-294.785 χ²/NDF: 262.7/66
- sign -4411.464+/-418.610 χ²/NDF: 45.4/33

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1870.024+/-0.361 χ^2/NDF:21614.6/16

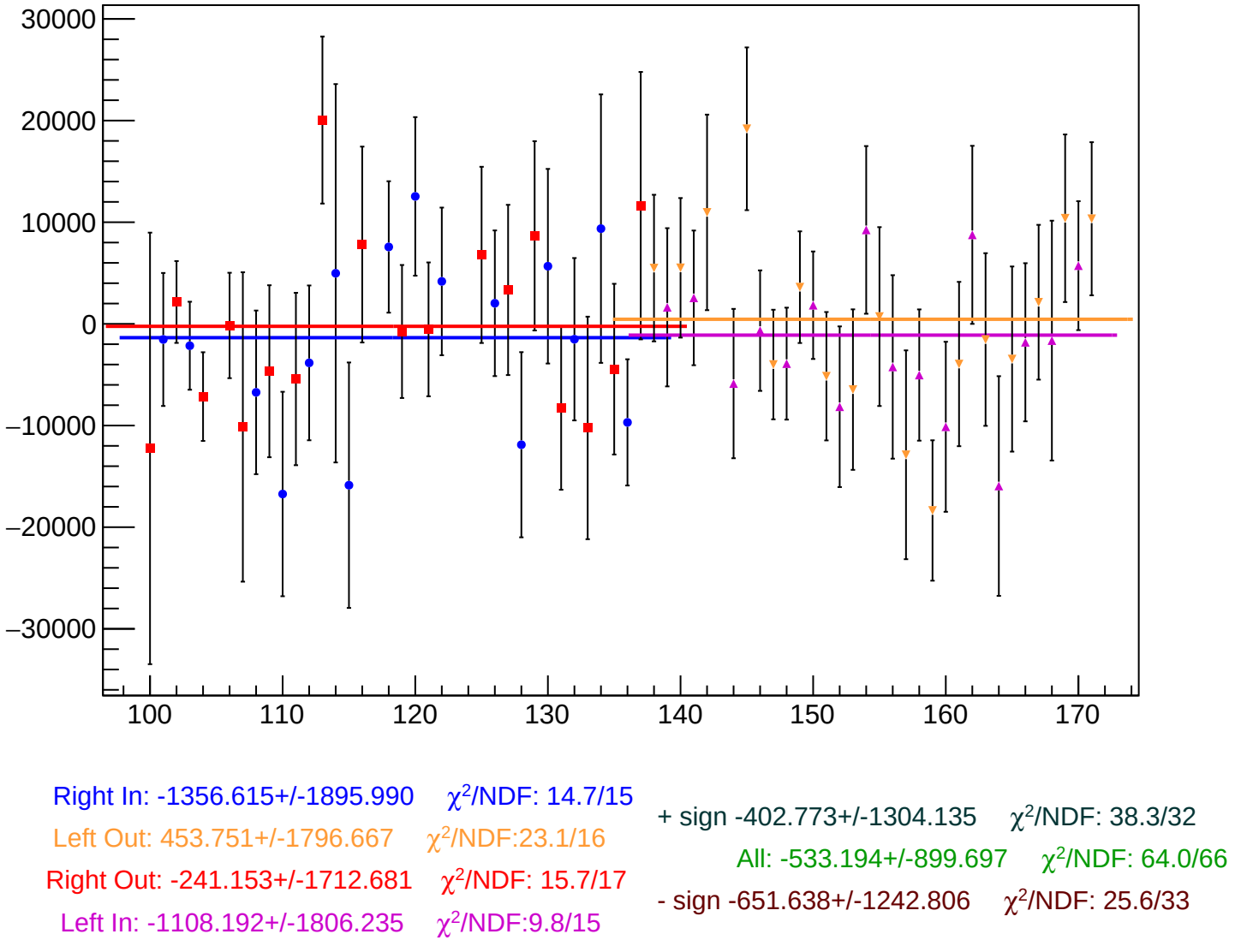
Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1871.381+/-0.364 χ^2/NDF:14206.3/15

+ sign 1880.196+/-0.294 χ^2/NDF: 302413.2/32

All: 1881.286+/-0.208 χ^2/NDF: 469459.2/66

- sign 1882.394+/-0.296 χ^2/NDF: 167018.3/33


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
30000
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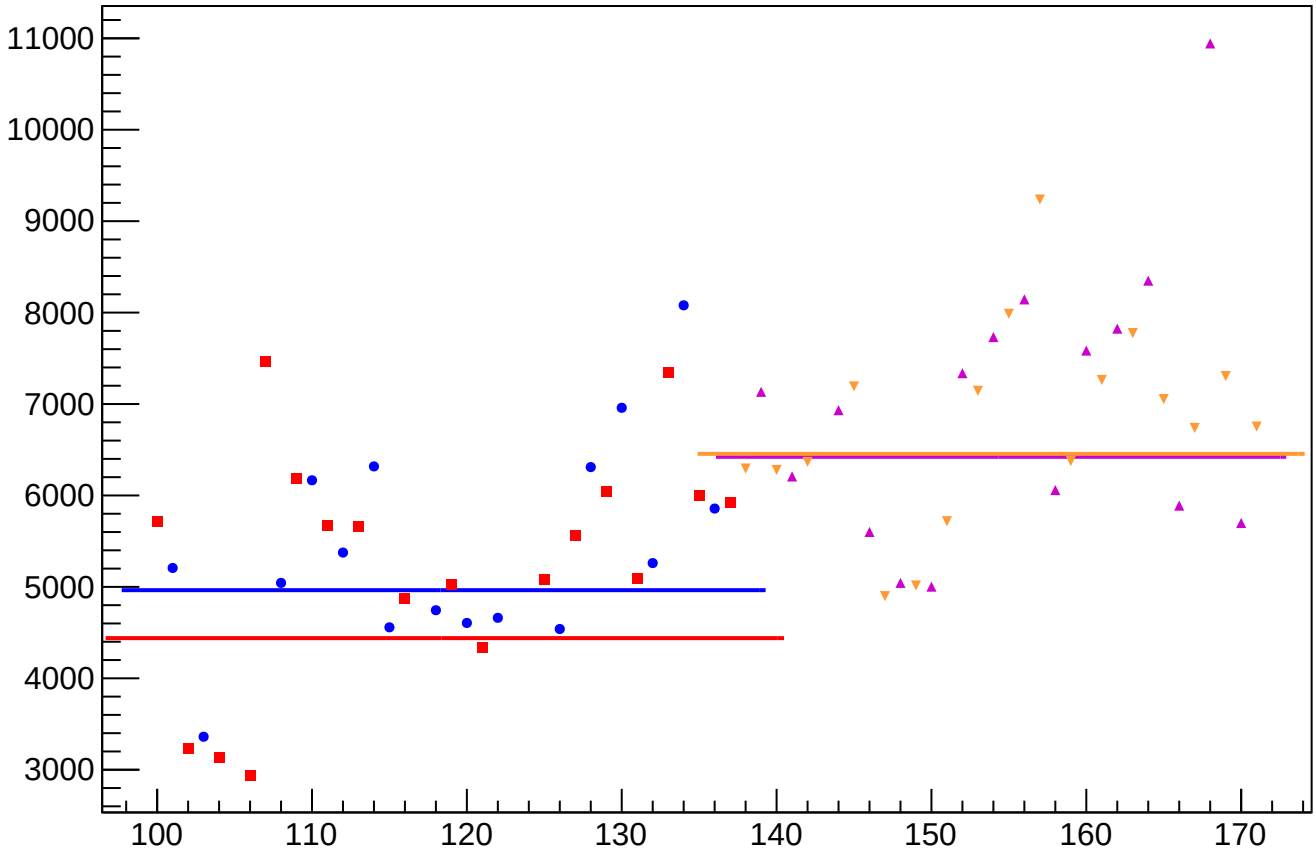
170
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 453.751+/-1796.667 χ²/NDF:23.1/16
Right Out: -241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: -1108.192+/-1806.235 χ²/NDF:9.8/15
+ sign -402.773+/-1304.135 χ²/NDF: 38.3/32
All: -533.194+/-899.697 χ²/NDF: 64.0/66
- sign -651.638+/-1242.806 χ²/NDF: 25.6/33



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6455.226+/-1.270 χ^2/NDF:677959.2/16

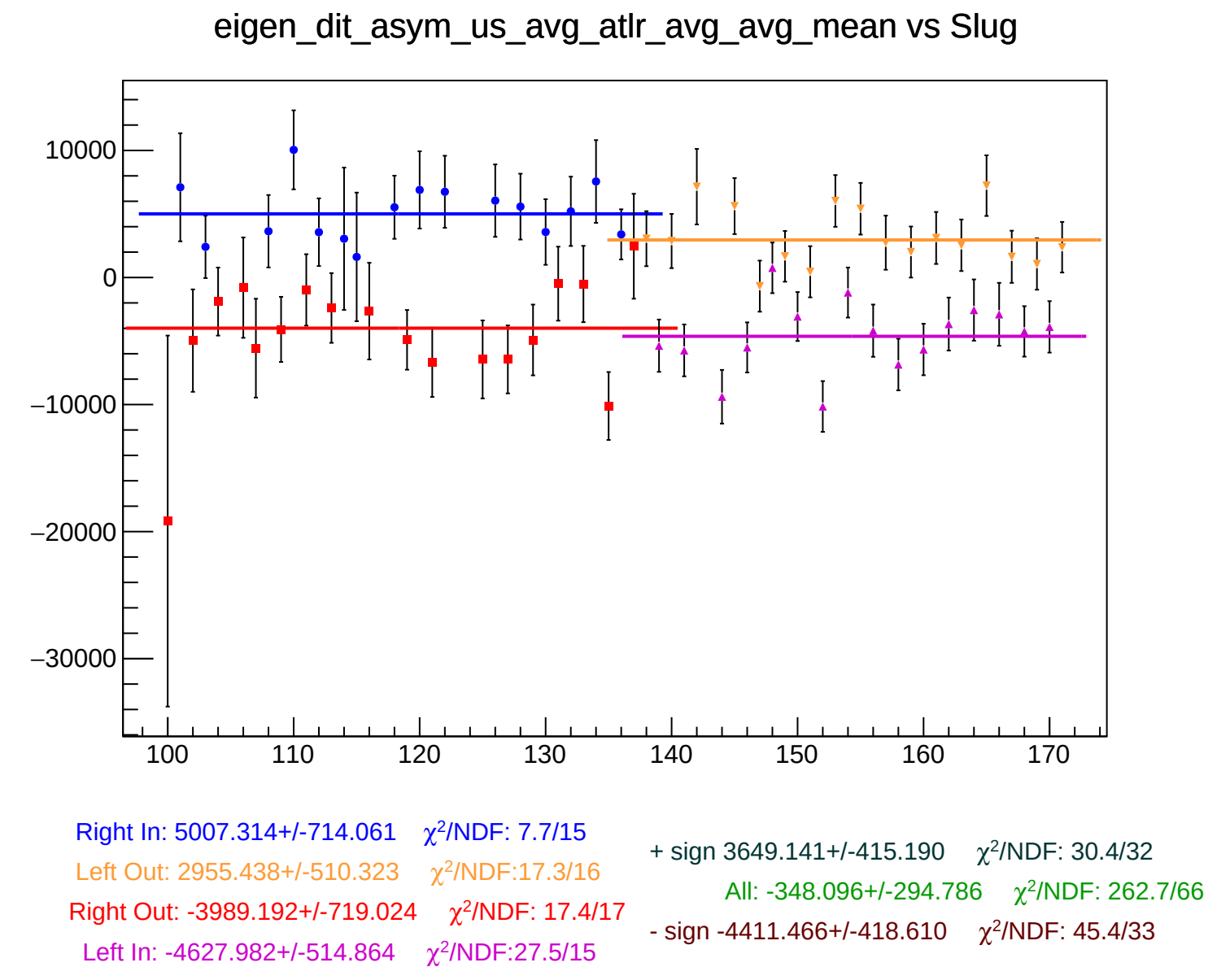
Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6422.819+/-1.277 χ^2/NDF:975562.4/15

+ sign 5749.693+/-0.922 χ^2/NDF: 1957198.4/32

All: 5555.195+/-0.636 χ^2/NDF: 5445688.1/66

- sign 5378.560+/-0.879 χ^2/NDF: 3403604.9/33


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
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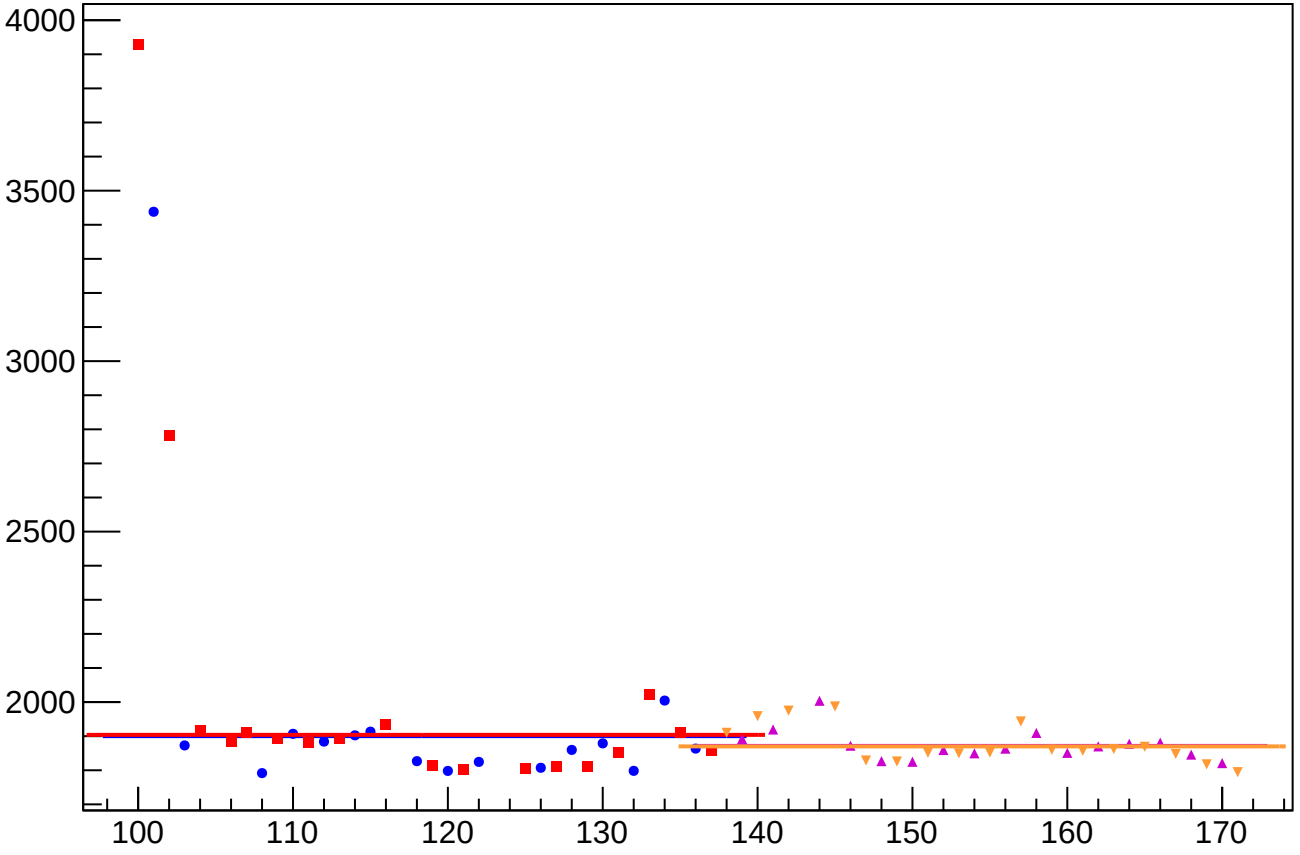
160
170
Right In: 5007.314+/-714.061 χ²/NDF: 7.7/15
Left Out: 2955.438+/-510.323 χ²/NDF:17.3/16
Right Out: -3989.192+/-719.024 χ²/NDF: 17.4/17
Left In: -4627.982+/-514.864 χ²/NDF:27.5/15
+ sign 3649.141+/-415.190 χ²/NDF: 30.4/32
All: -348.096+/-294.786 χ²/NDF: 262.7/66
- sign -4411.466+/-418.610 χ²/NDF: 45.4/33

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: 1870.025+/-0.361 χ^2/NDF:21615.1/16

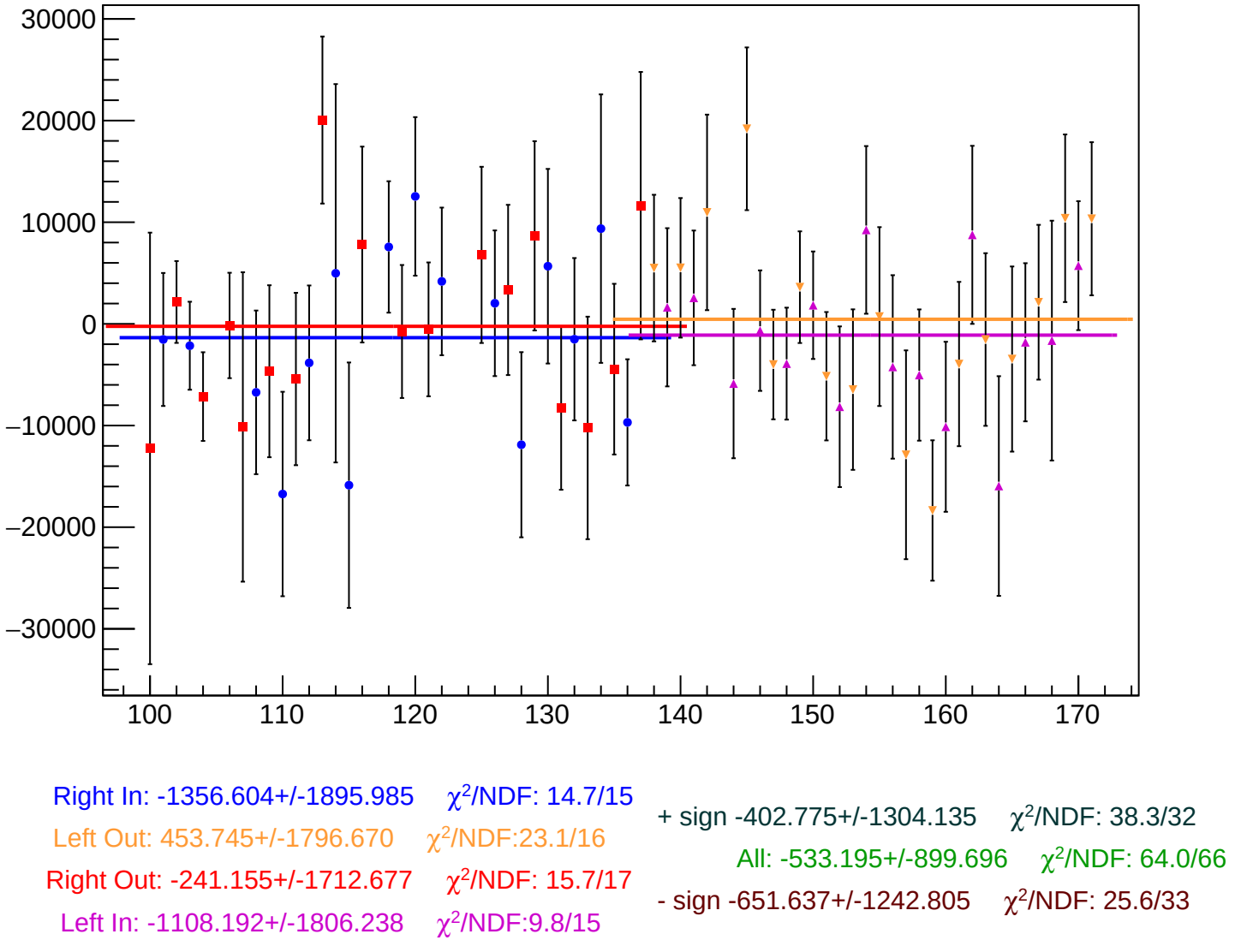
Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1871.382+/-0.364 χ^2/NDF:14206.6/15

+ sign 1880.196+/-0.294 χ^2/NDF: 302413.7/32

All: 1881.287+/-0.208 χ^2/NDF: 469458.9/66

- sign 1882.395+/-0.296 χ^2/NDF: 167017.4/33


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
30000
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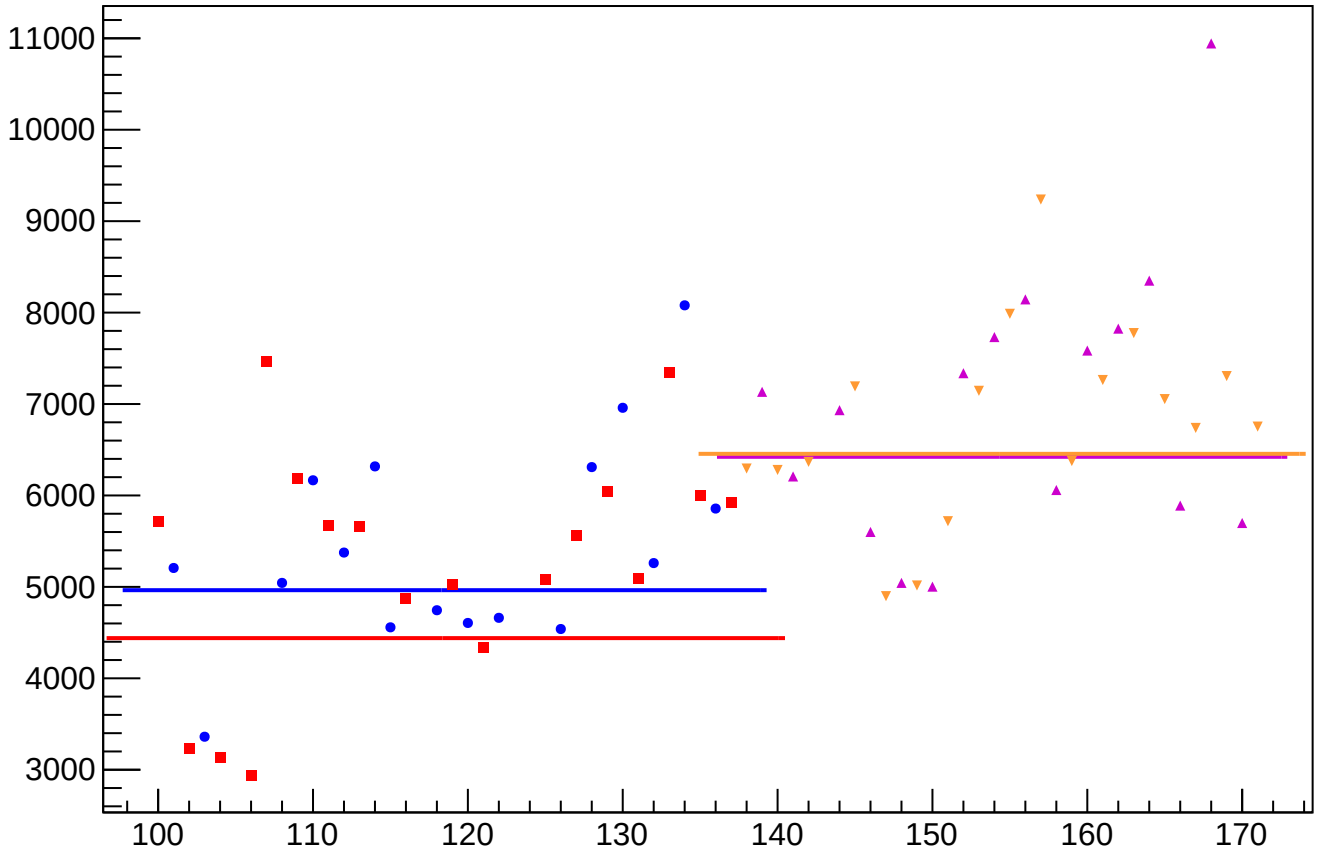
160
170
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 453.745+/-1796.670 χ²/NDF:23.1/16
Right Out: -241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: -1108.192+/-1806.238 χ²/NDF:9.8/15
+ sign -402.775+/-1304.135 χ²/NDF: 38.3/32
All: -533.195+/-899.696 χ²/NDF: 64.0/66
- sign -651.637+/-1242.805 χ²/NDF: 25.6/33



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6455.236+/-1.270 χ^2/NDF:677961.3/16

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

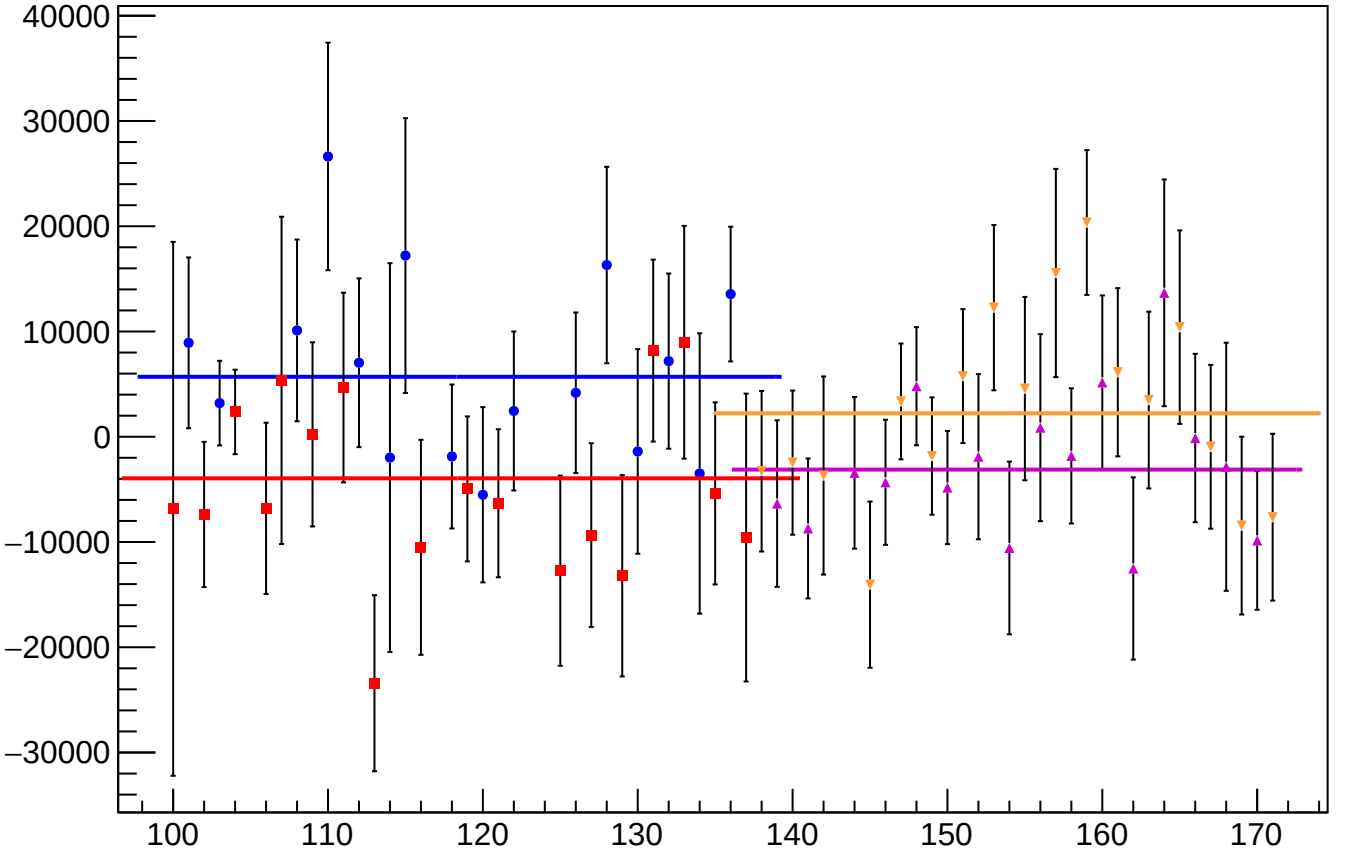
Left In: 6422.828+/-1.277 χ^2/NDF:975564.3/15

+ sign 5749.689+/-0.922 χ^2/NDF: 1957223.8/32

All: 5555.190+/-0.636 χ^2/NDF: 5445743.3/66

- sign 5378.554+/-0.879 χ^2/NDF: 3403633.9/33

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2230.383+/-1811.907 χ^2/NDF:21.4/16

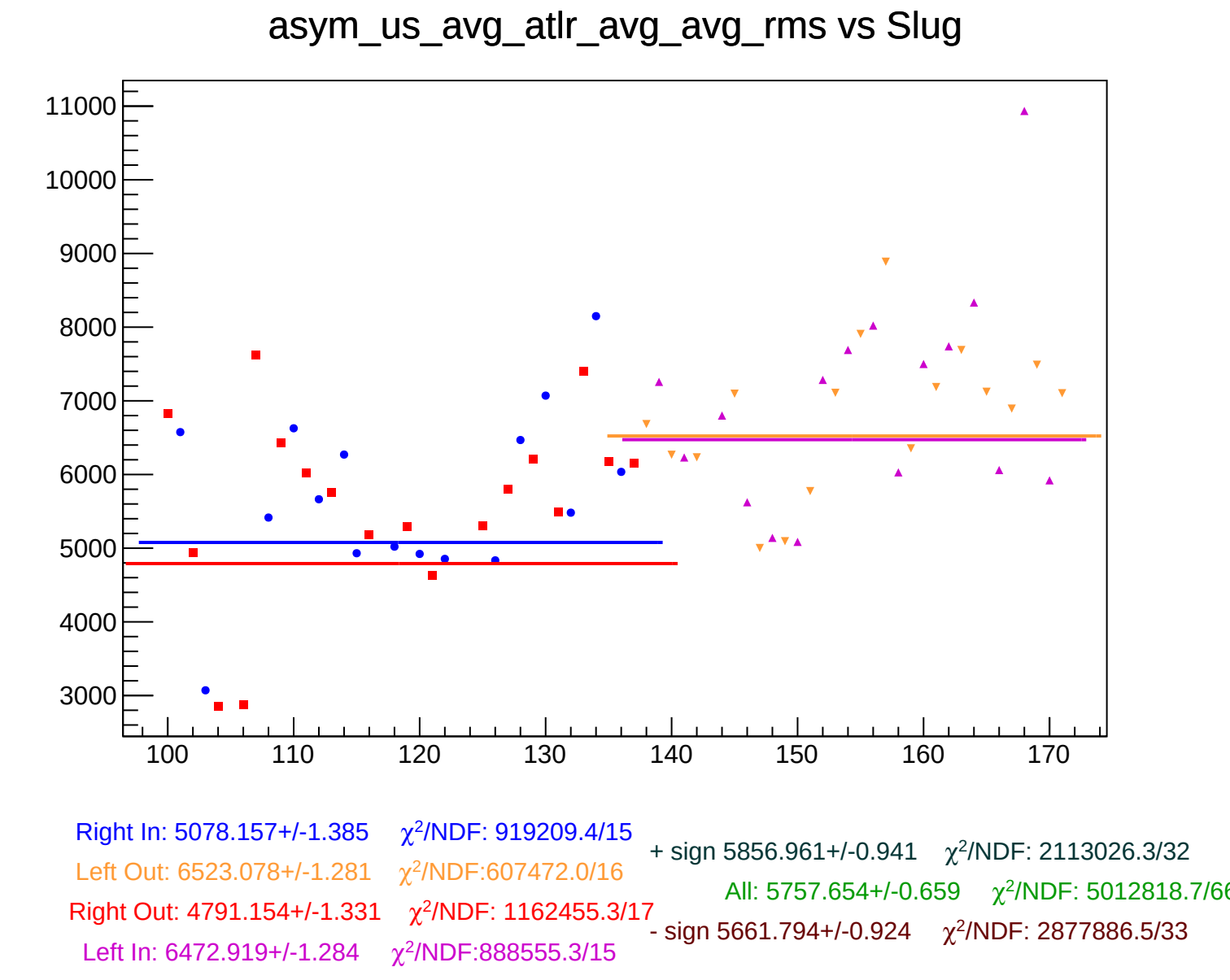
Right Out: -3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: -3120.867+/-1816.443 χ^2/NDF:9.9/15

+ sign 3828.586+/-1330.244 χ^2/NDF: 35.7/32

All: 129.055+/-936.874 χ^2/NDF: 77.1/66

- sign -3512.060+/-1319.700 χ^2/NDF: 26.1/33


asym_us_avg_atlr_avg_avg_rms vs Slug
11000
10000
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7000
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5000
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3000
100
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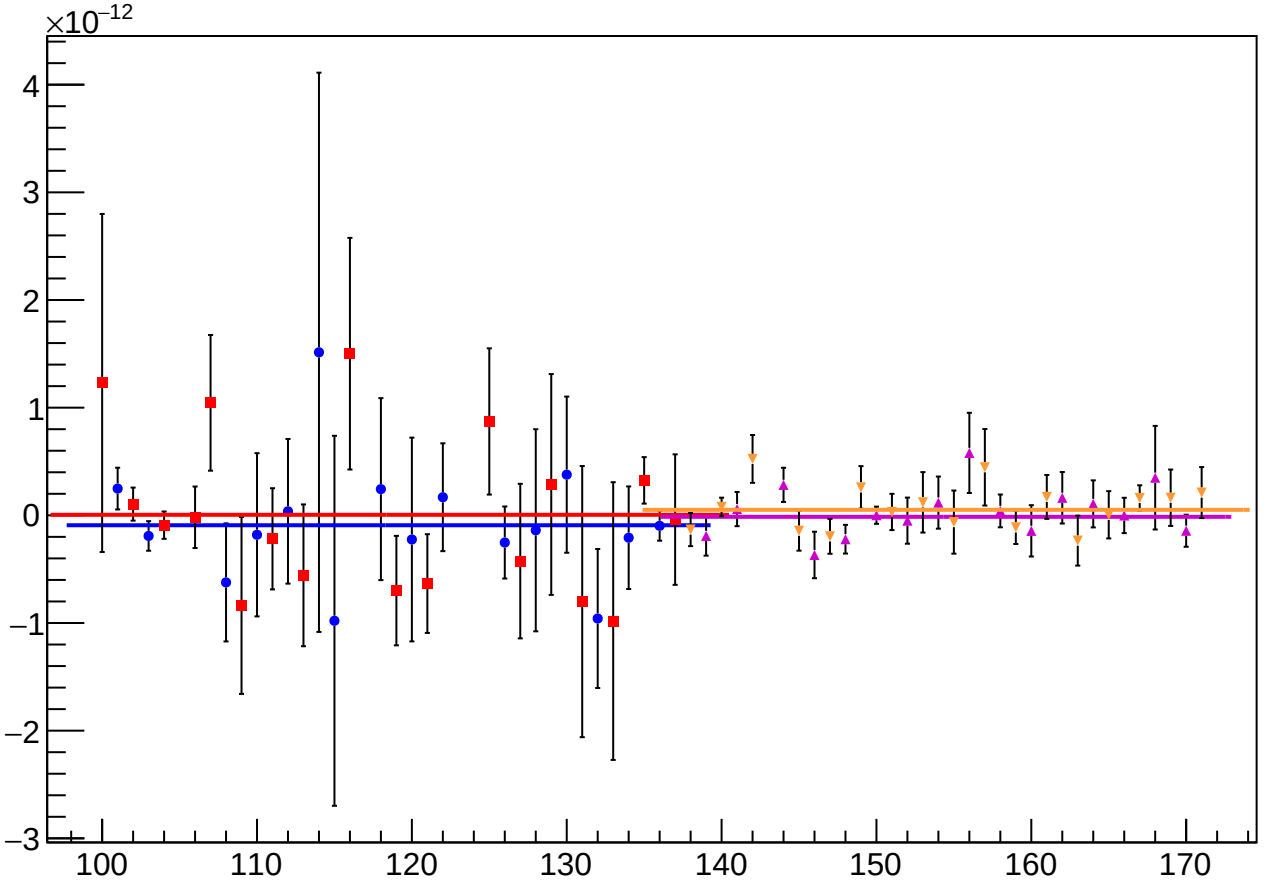
120
130
140
150
160
170
Right In: 5078.157+/-1.385 χ²/NDF: 919209.4/15
Left Out: 6523.078+/-1.281 χ²/NDF:607472.0/16
Right Out: 4791.154+/-1.331 χ²/NDF: 1162455.3/17
Left In: 6472.919+/-1.284 χ²/NDF:888555.3/15
+ sign 5856.961+/-0.941 χ²/NDF: 2113026.3/32
All: 5757.654+/-0.659 χ²/NDF: 5012818.7/66
- sign 5661.794+/-0.924 χ²/NDF: 2877886.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/16

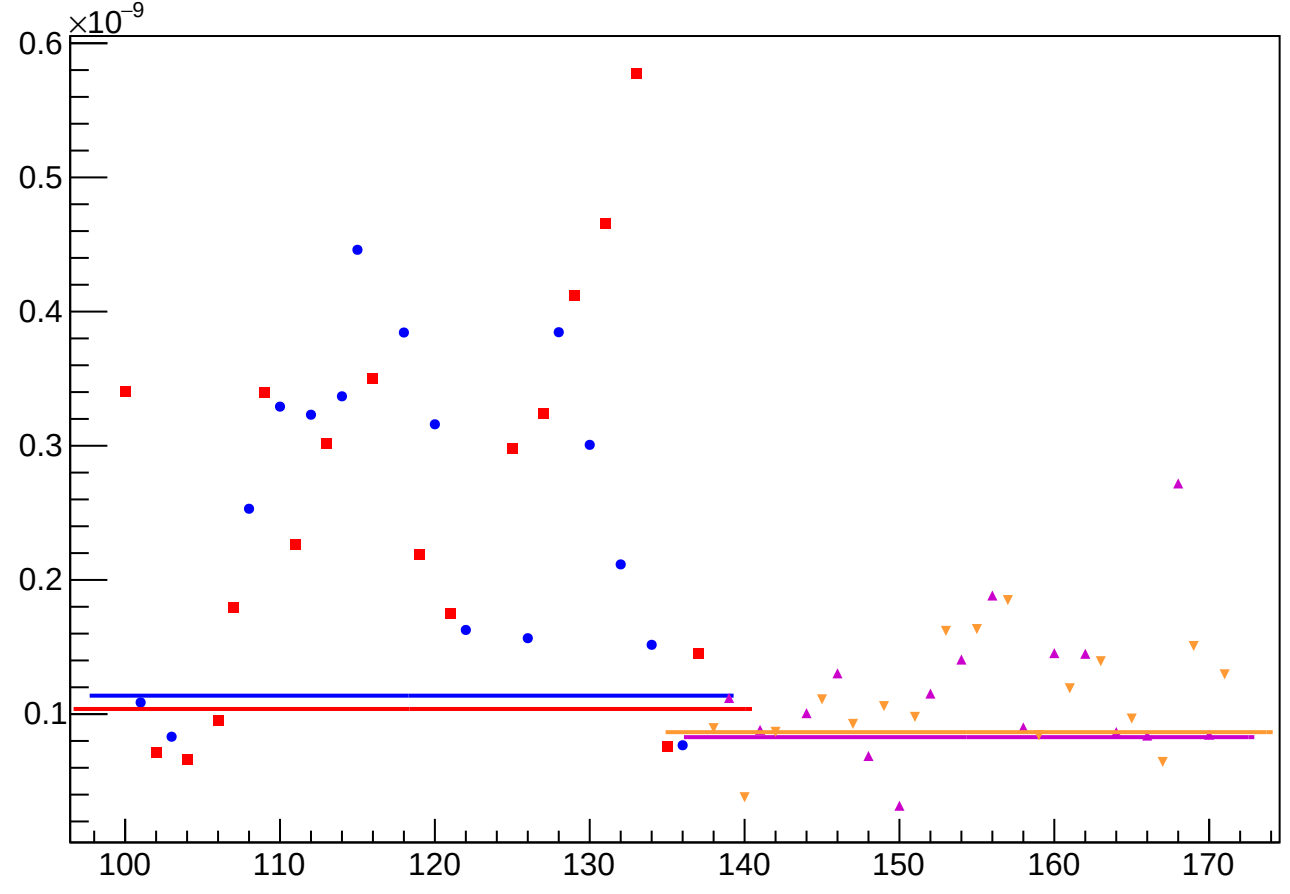
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: -0.000+/-0.000 χ^2/NDF:15.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/32

All: 0.000+/-0.000 χ^2/NDF: 60.4/66

- sign -0.000+/-0.000 χ^2/NDF: 32.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1558833.4/16

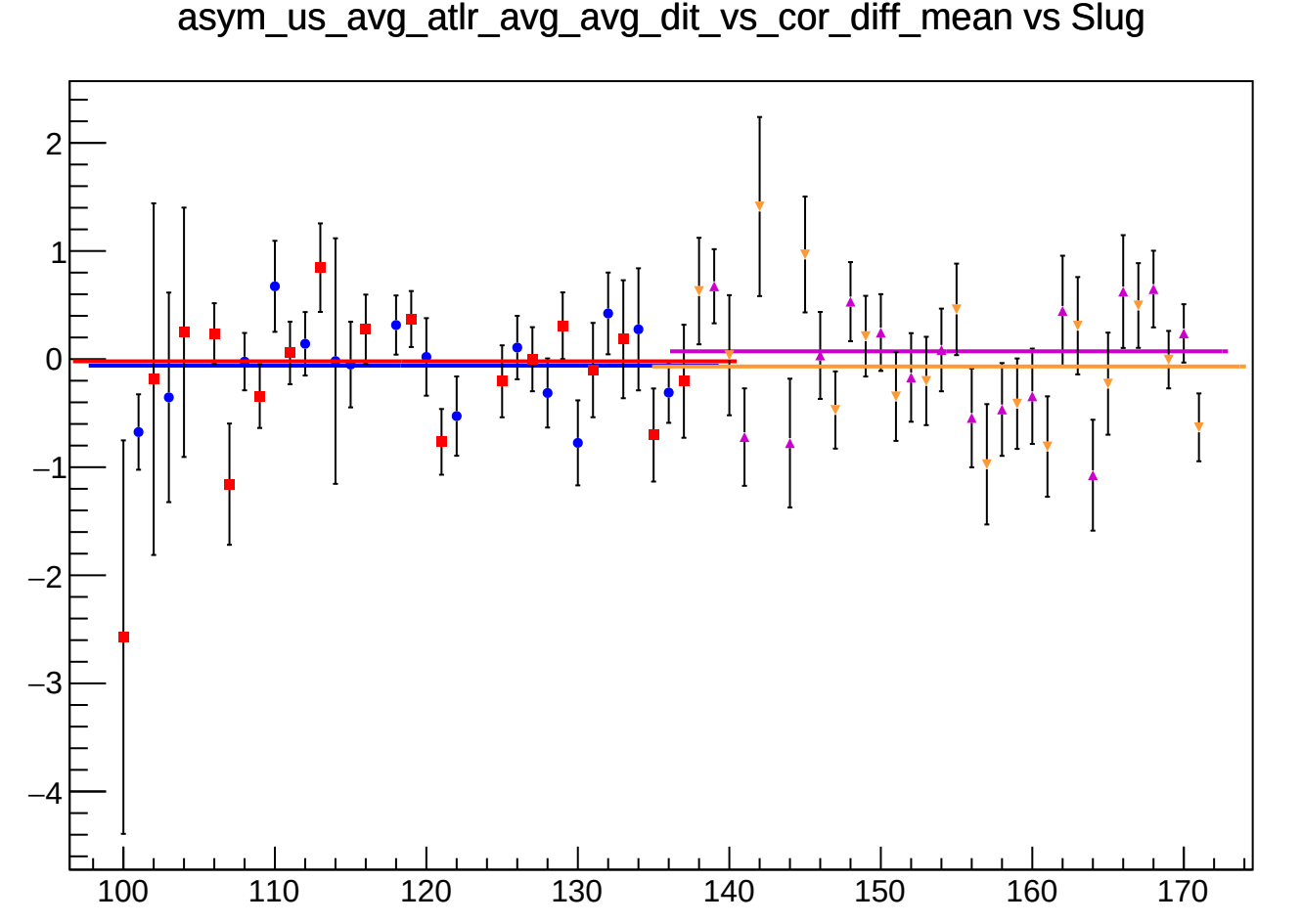
Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1925647.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 3272893.9/32

All: 0.000+/-0.000 χ^2/NDF: 7420052.6/66

- sign 0.000+/-0.000 χ^2/NDF: 4127936.2/33



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.101 χ^2/NDF:25.0/16

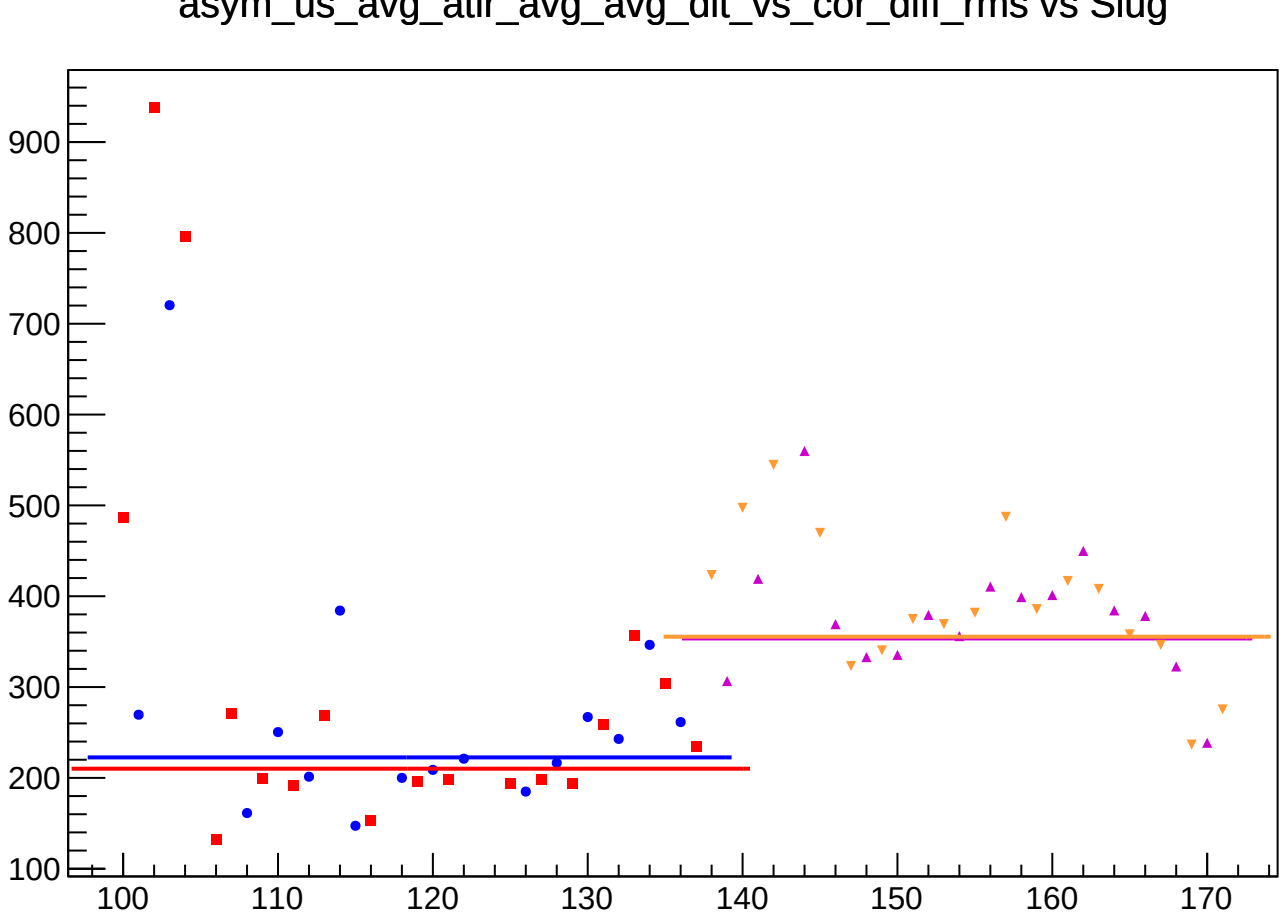
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.072+/-0.101 χ^2/NDF:24.3/15

+ sign -0.064+/-0.067 χ^2/NDF: 42.3/32

All: -0.022+/-0.047 χ^2/NDF: 94.0/66

- sign 0.019+/-0.066 χ^2/NDF: 50.9/33



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 355.435+/-0.071 χ^2/NDF:1113363.4/16

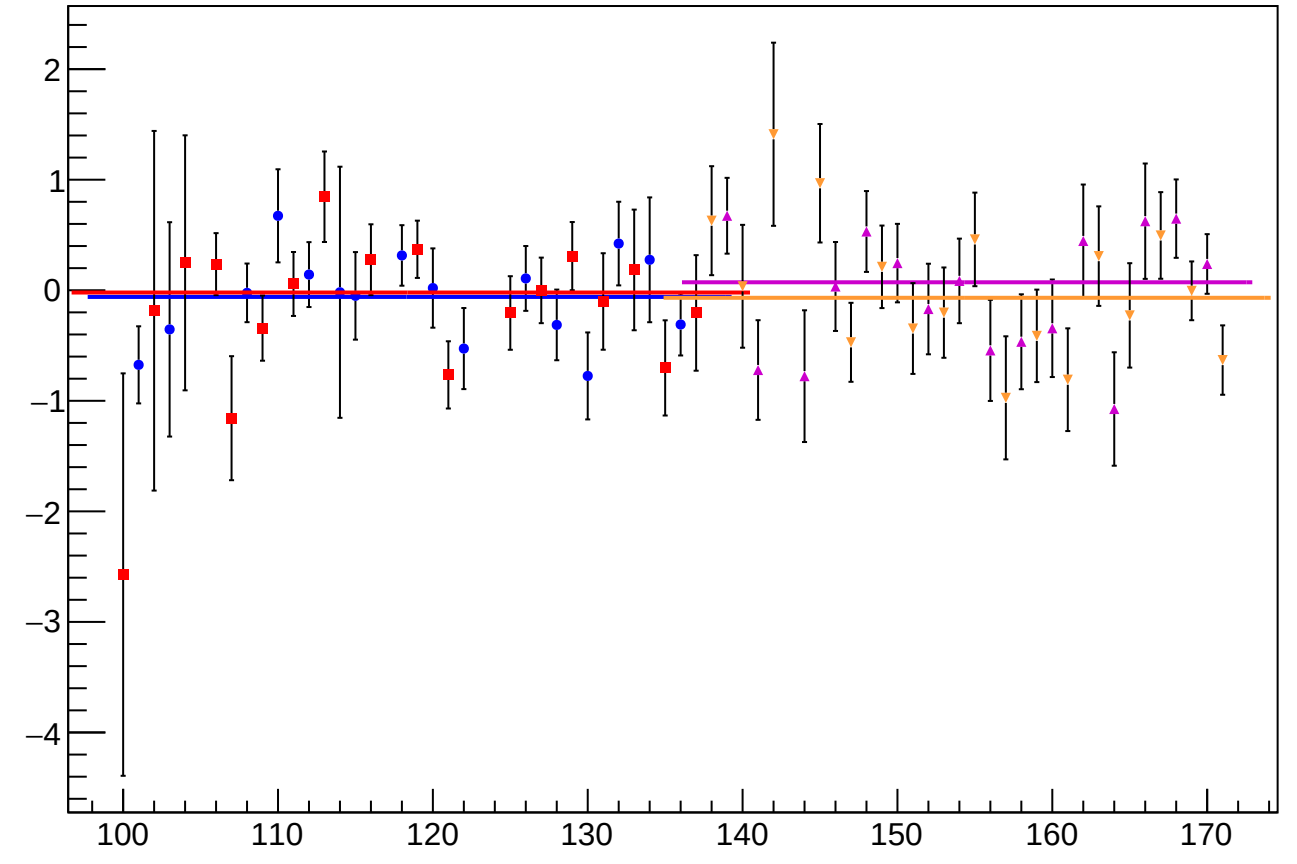
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 353.518+/-0.071 χ^2/NDF:880095.4/15

+ sign 280.591+/-0.047 χ^2/NDF: 4093722.1/32

All: 276.201+/-0.033 χ^2/NDF: 8856914.6/66

- sign 271.887+/-0.047 χ^2/NDF: 4745931.1/33



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.101 χ^2/NDF:25.0/16

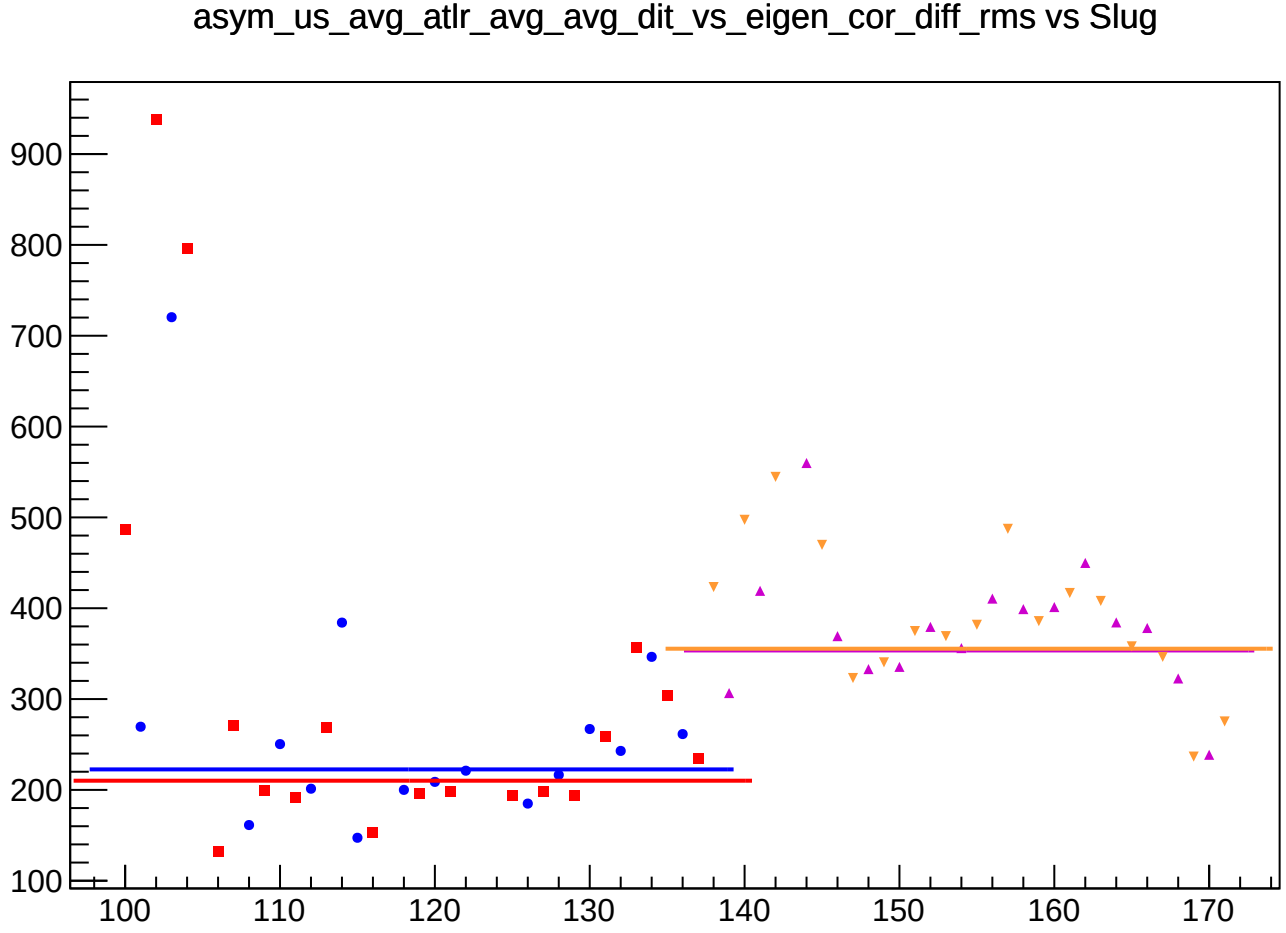
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.072+/-0.101 χ^2/NDF:24.3/15

+ sign -0.064+/-0.067 χ^2/NDF: 42.3/32

All: -0.022+/-0.047 χ^2/NDF: 94.0/66

- sign 0.019+/-0.066 χ^2/NDF: 50.9/33



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 355.435+/-0.071 χ^2/NDF:1113363.4/16

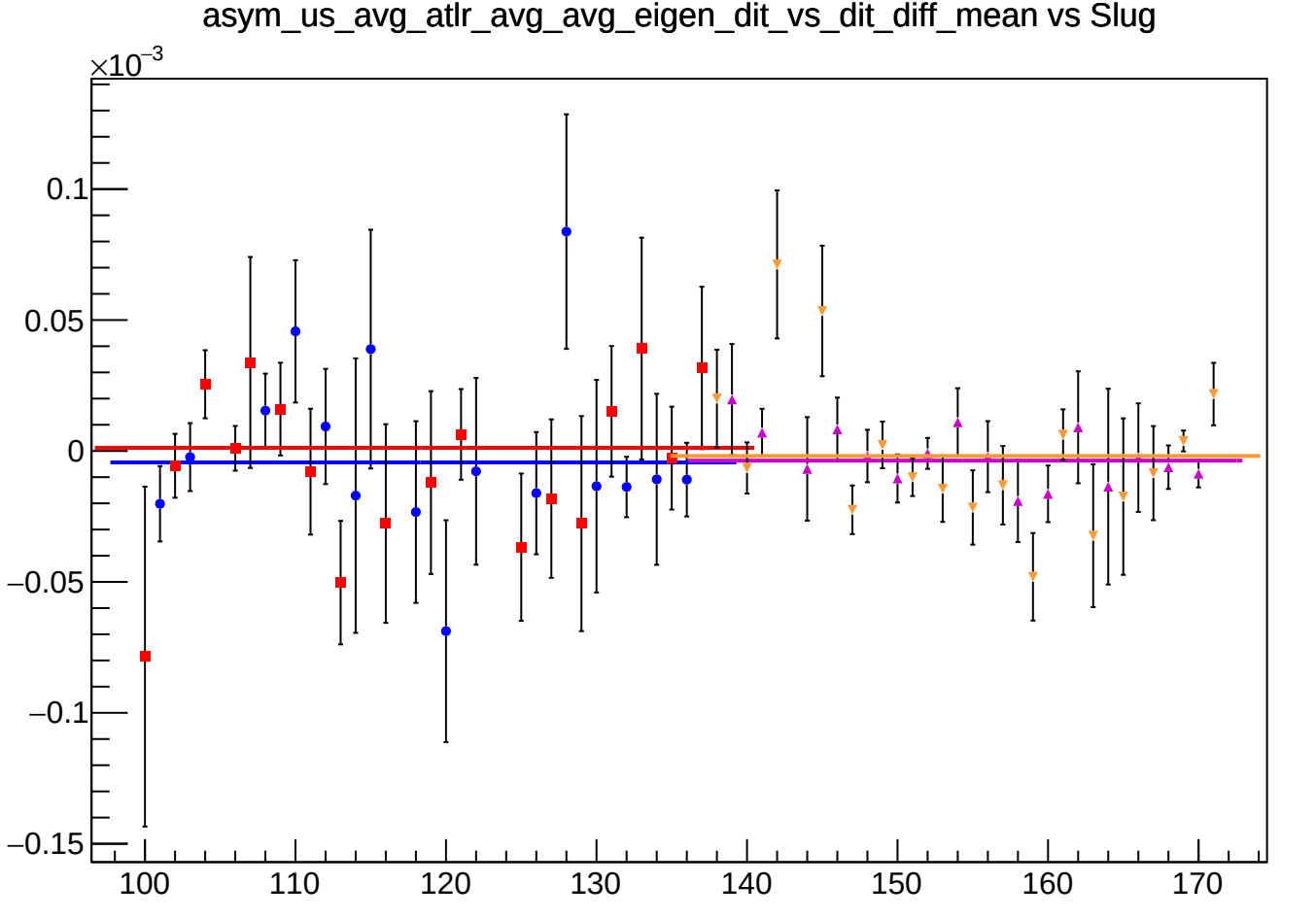
Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 353.518+/-0.071 χ^2/NDF:880095.4/15

+ sign 280.591+/-0.047 χ^2/NDF: 4093722.1/32

All: 276.201+/-0.033 χ^2/NDF: 8856914.6/66

- sign 271.887+/-0.047 χ^2/NDF: 4745931.1/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.1/16

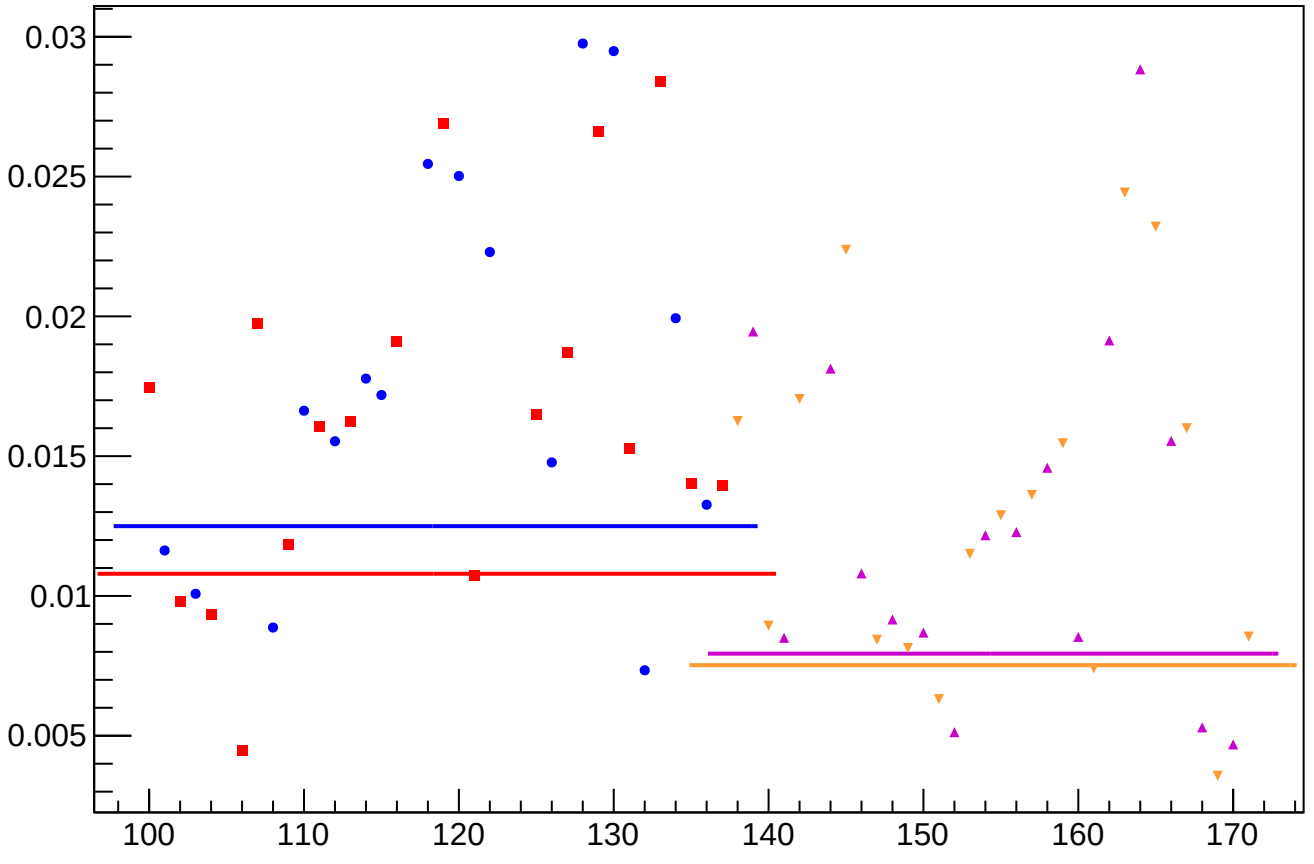
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:9.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/32

All: -0.000+/-0.000 χ^2/NDF: 82.5/66

- sign -0.000+/-0.000 χ^2/NDF: 27.6/33



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6524882.2/16

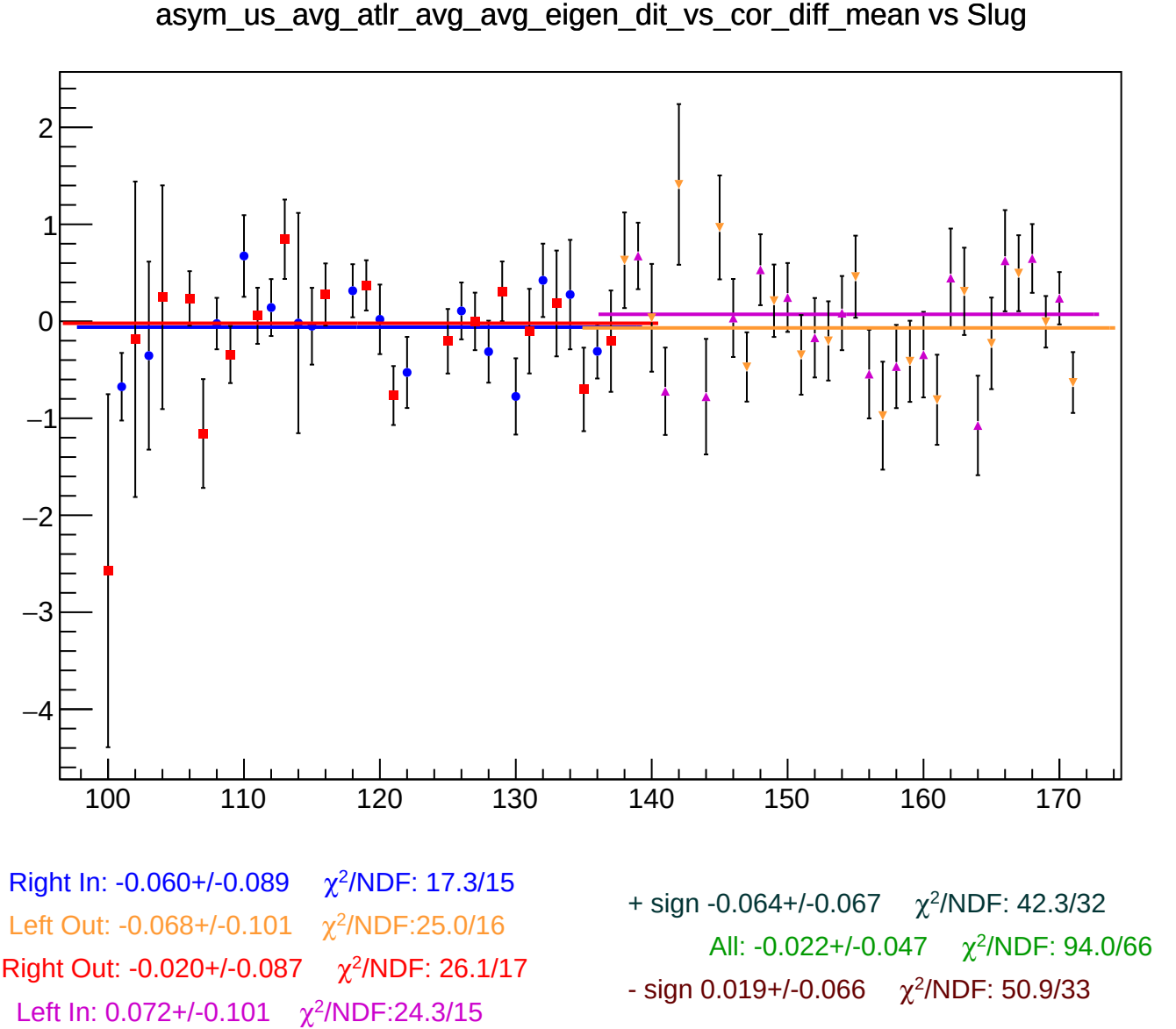
Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

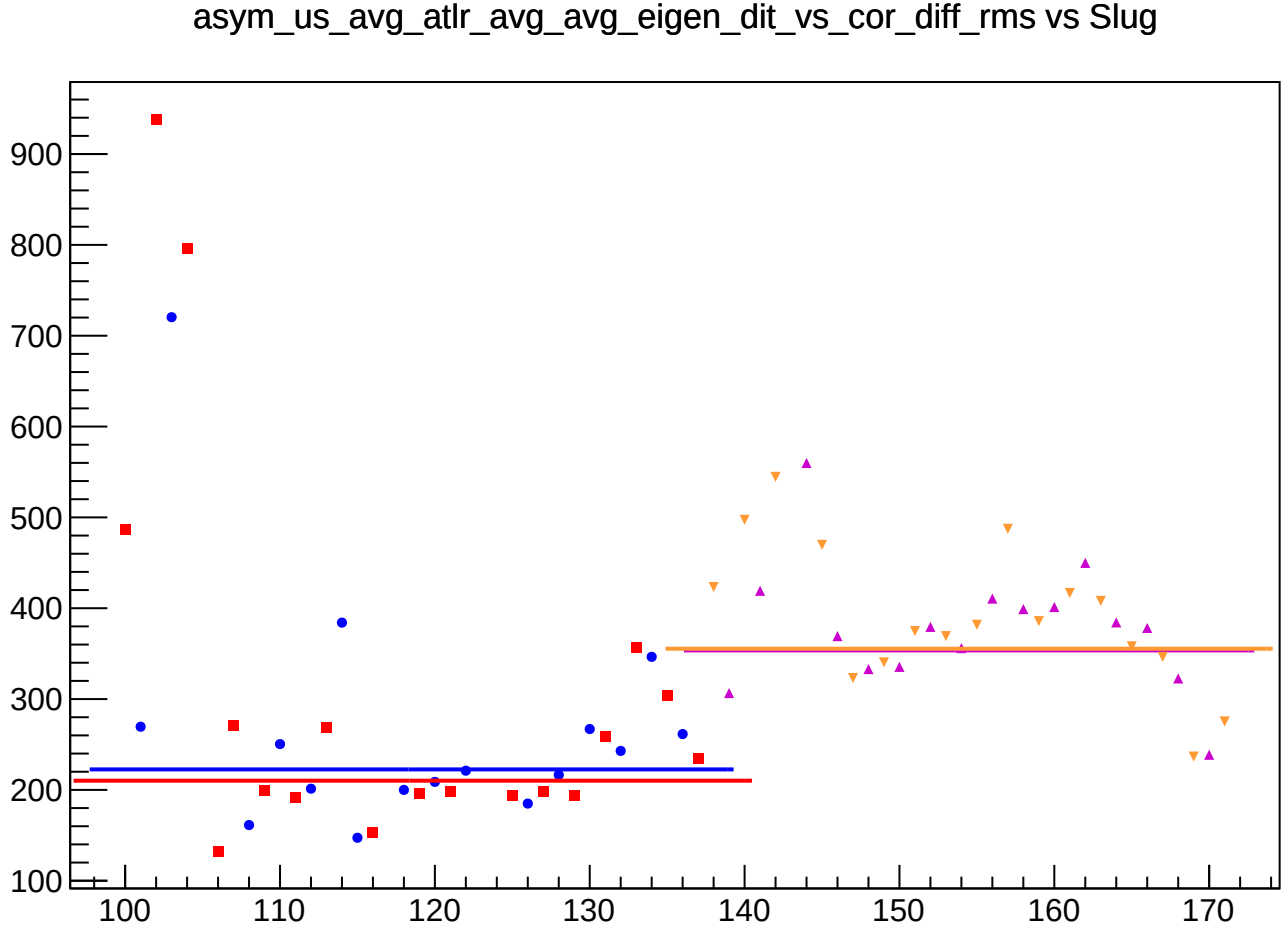
Left In: 0.008+/-0.000 χ^2/NDF:4941957.1/15

+ sign 0.008+/-0.000 χ^2/NDF: 10188931.1/32

All: 0.009+/-0.000 χ^2/NDF: 18716274.2/66

- sign 0.009+/-0.000 χ^2/NDF: 8523286.9/33


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.068+/-0.101 χ²/NDF:25.0/16
Right Out: -0.020+/-0.087 χ²/NDF: 26.1/17
Left In: 0.072+/-0.101 χ²/NDF:24.3/15
+ sign -0.064+/-0.067 χ²/NDF: 42.3/32
All: -0.022+/-0.047 χ²/NDF: 94.0/66
- sign 0.019+/-0.066 χ²/NDF: 50.9/33



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 355.437+/-0.071 χ^2/NDF:1113471.5/16

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

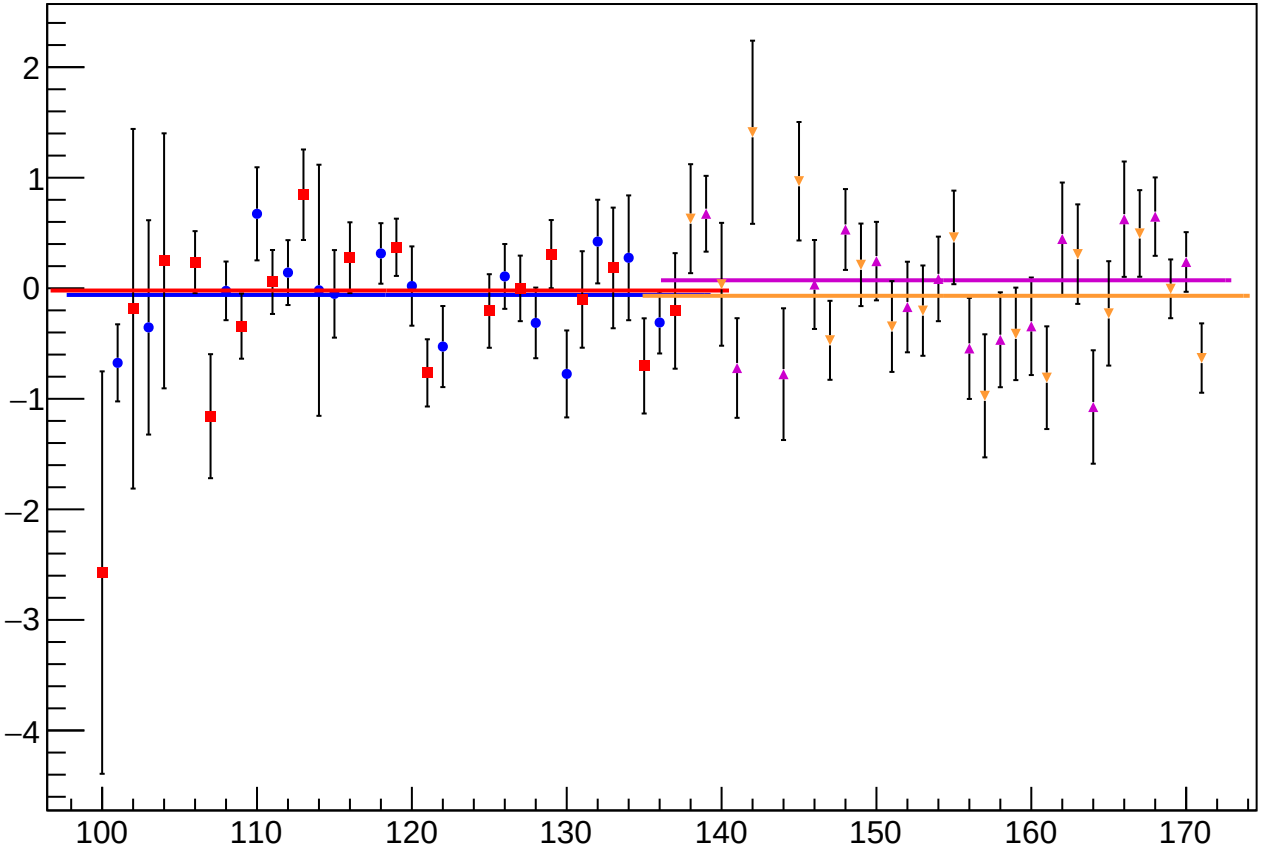
Left In: 353.523+/-0.071 χ^2/NDF:880128.6/15

+ sign 280.590+/-0.047 χ^2/NDF: 4093925.8/32

All: 276.200+/-0.033 χ^2/NDF: 8857358.7/66

- sign 271.885+/-0.047 χ^2/NDF: 4746170.7/33

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.101 χ^2/NDF:25.0/16

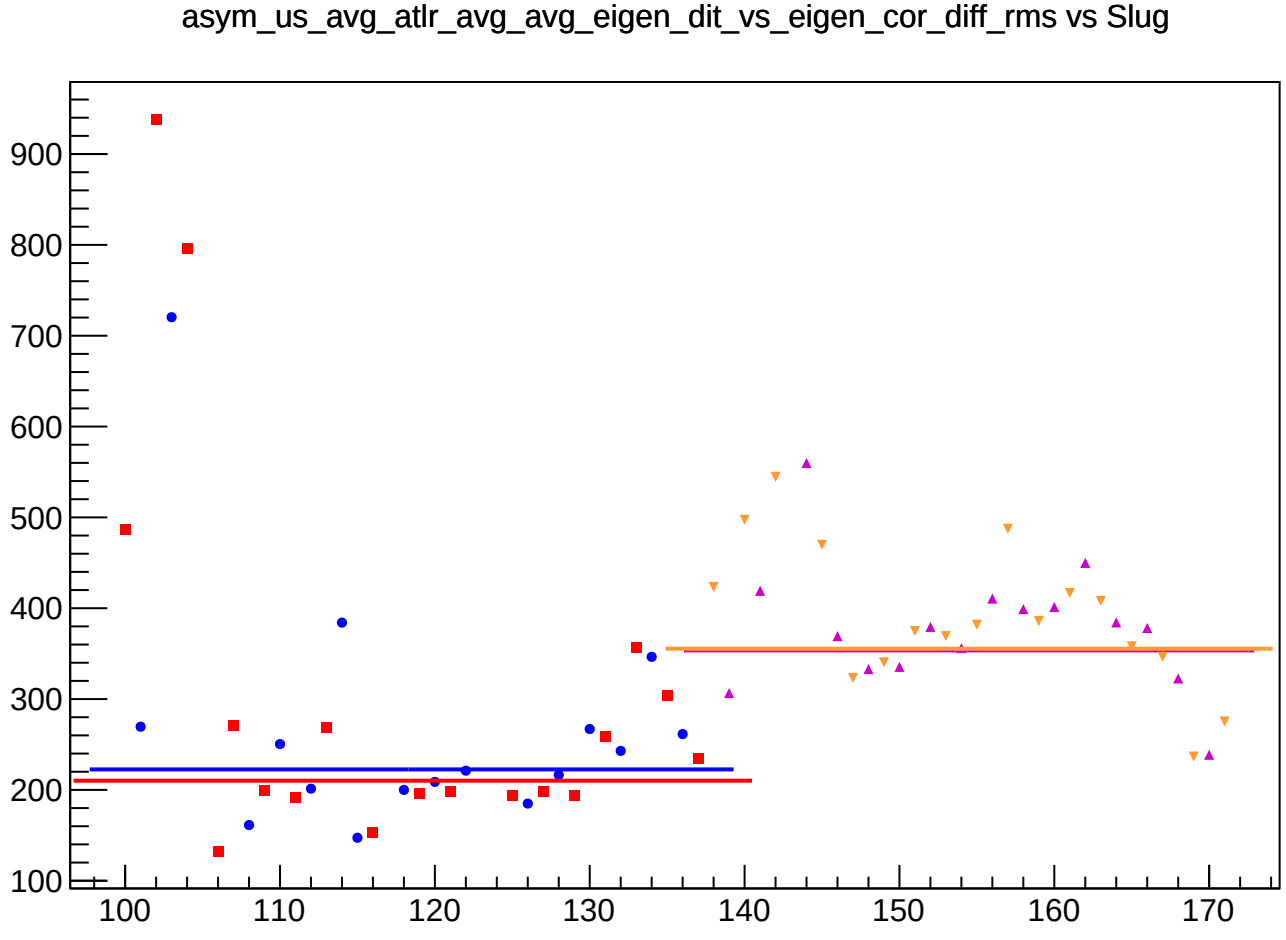
Right Out: -0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.072+/-0.101 χ^2/NDF:24.3/15

+ sign -0.064+/-0.067 χ^2/NDF: 42.3/32

All: -0.022+/-0.047 χ^2/NDF: 94.0/66

- sign 0.019+/-0.066 χ^2/NDF: 50.9/33



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 355.437+/-0.071 χ^2/NDF:1113471.5/16

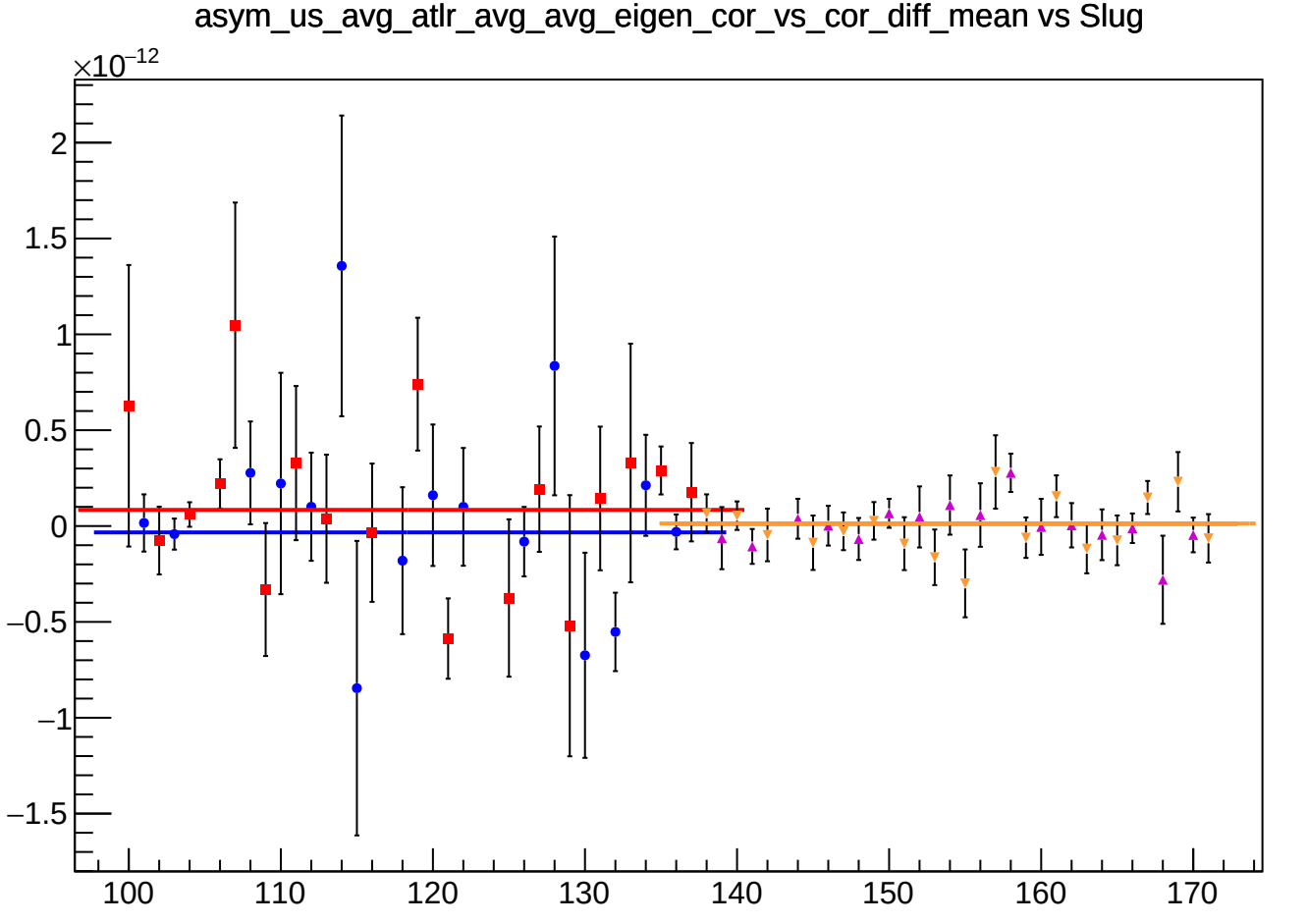
Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 353.523+/-0.071 χ^2/NDF:880128.6/15

+ sign 280.590+/-0.047 χ^2/NDF: 4093925.8/32

All: 276.200+/-0.033 χ^2/NDF: 8857358.7/66

- sign 271.885+/-0.047 χ^2/NDF: 4746170.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/16

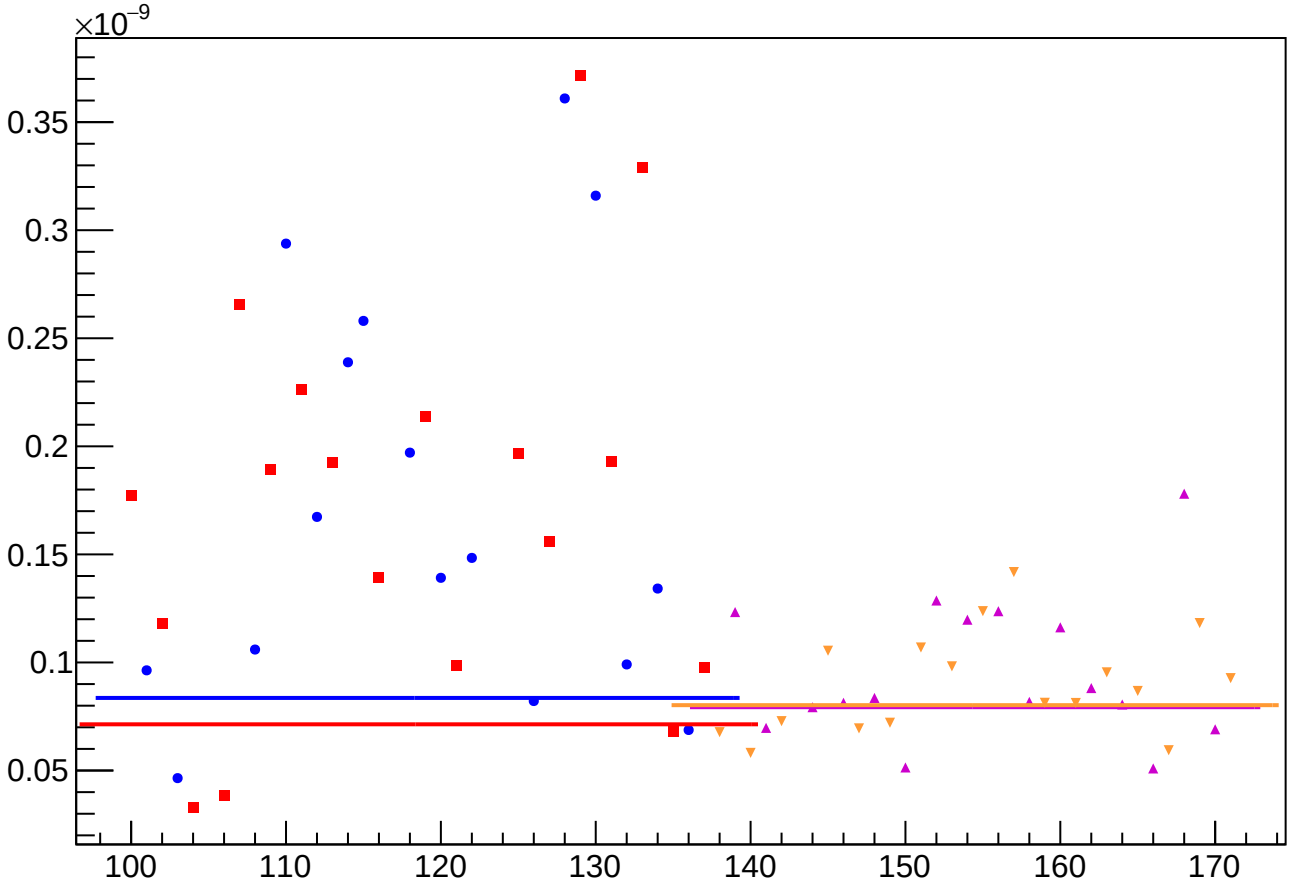
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: 0.000+/-0.000 χ^2/NDF:13.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/32

All: 0.000+/-0.000 χ^2/NDF: 76.7/66

- sign 0.000+/-0.000 χ^2/NDF: 40.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1038598.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

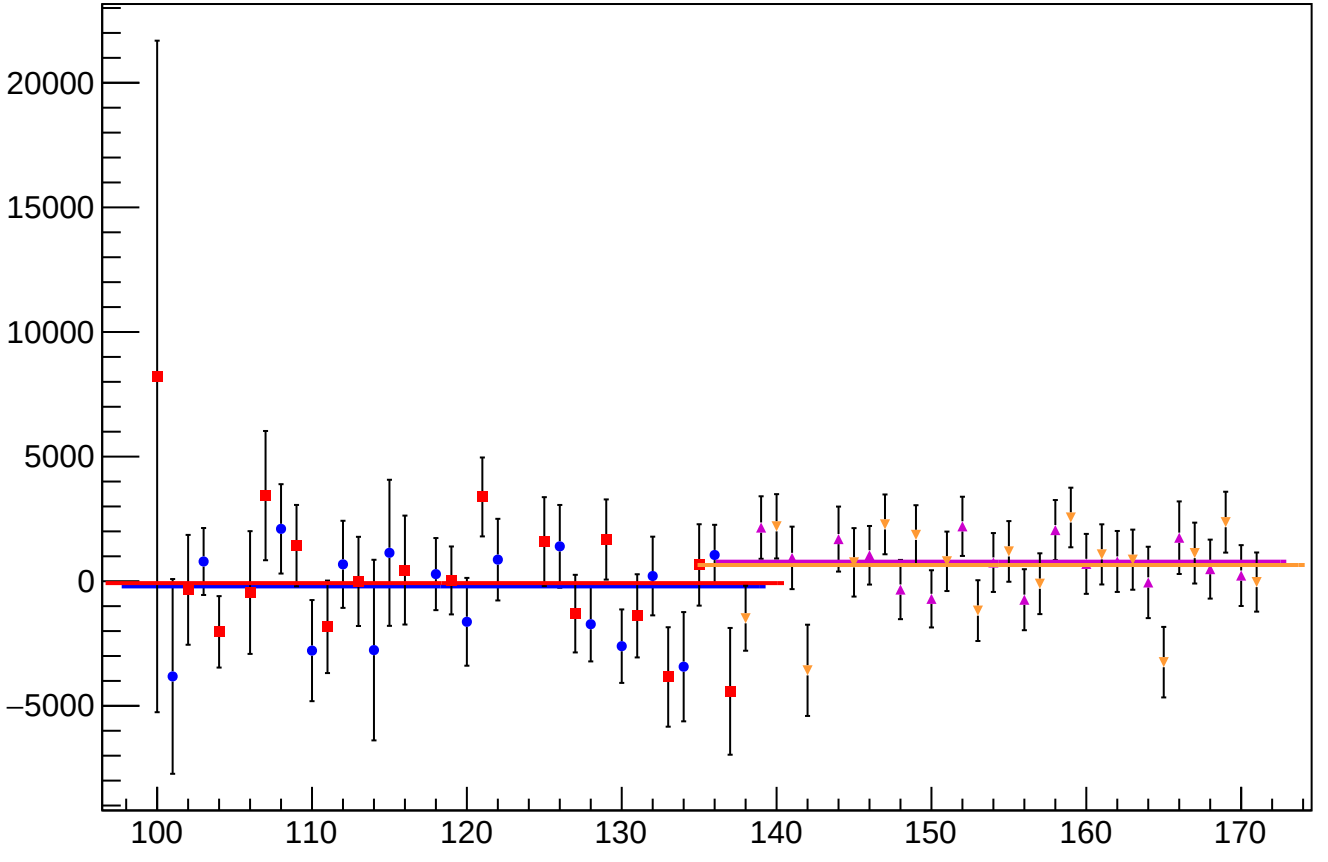
Left In: 0.000+/-0.000 χ^2/NDF:1725728.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 3281507.7/32

All: 0.000+/-0.000 χ^2/NDF: 8827269.6/66

- sign 0.000+/-0.000 χ^2/NDF: 5516922.7/33

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 651.133+/-304.793 χ^2/NDF:27.9/16

Right Out: -75.616+/-430.760 χ^2/NDF: 20.7/17

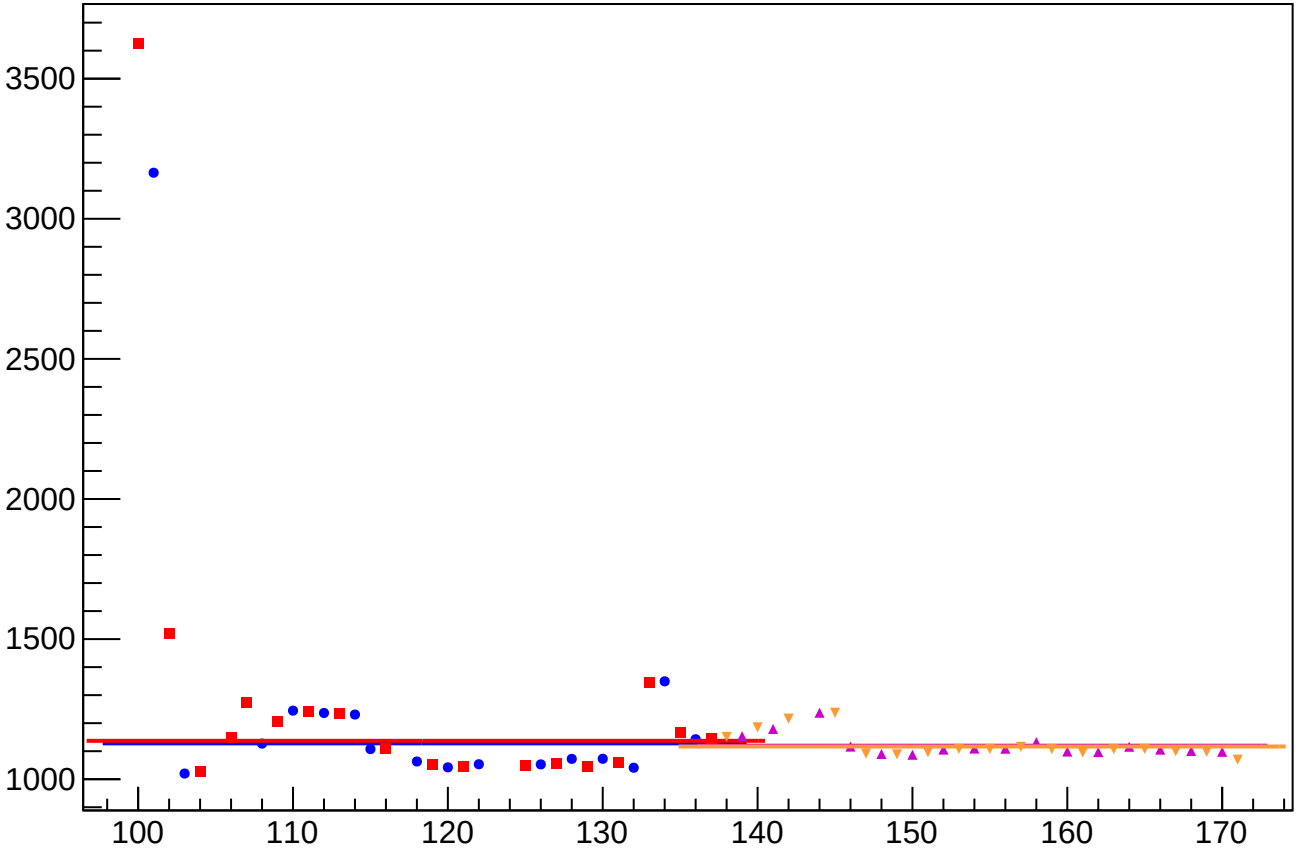
Left In: 784.697+/-308.085 χ^2/NDF:9.5/15

\+ sign 362.964+/-248.498 χ^2/NDF: 45.4/32

All: 427.710+/-176.449 χ^2/NDF: 78.3/66

\- sign 493.552+/-250.589 χ^2/NDF: 32.7/33

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1116.726+/-0.216 χ^2/NDF:35987.0/16

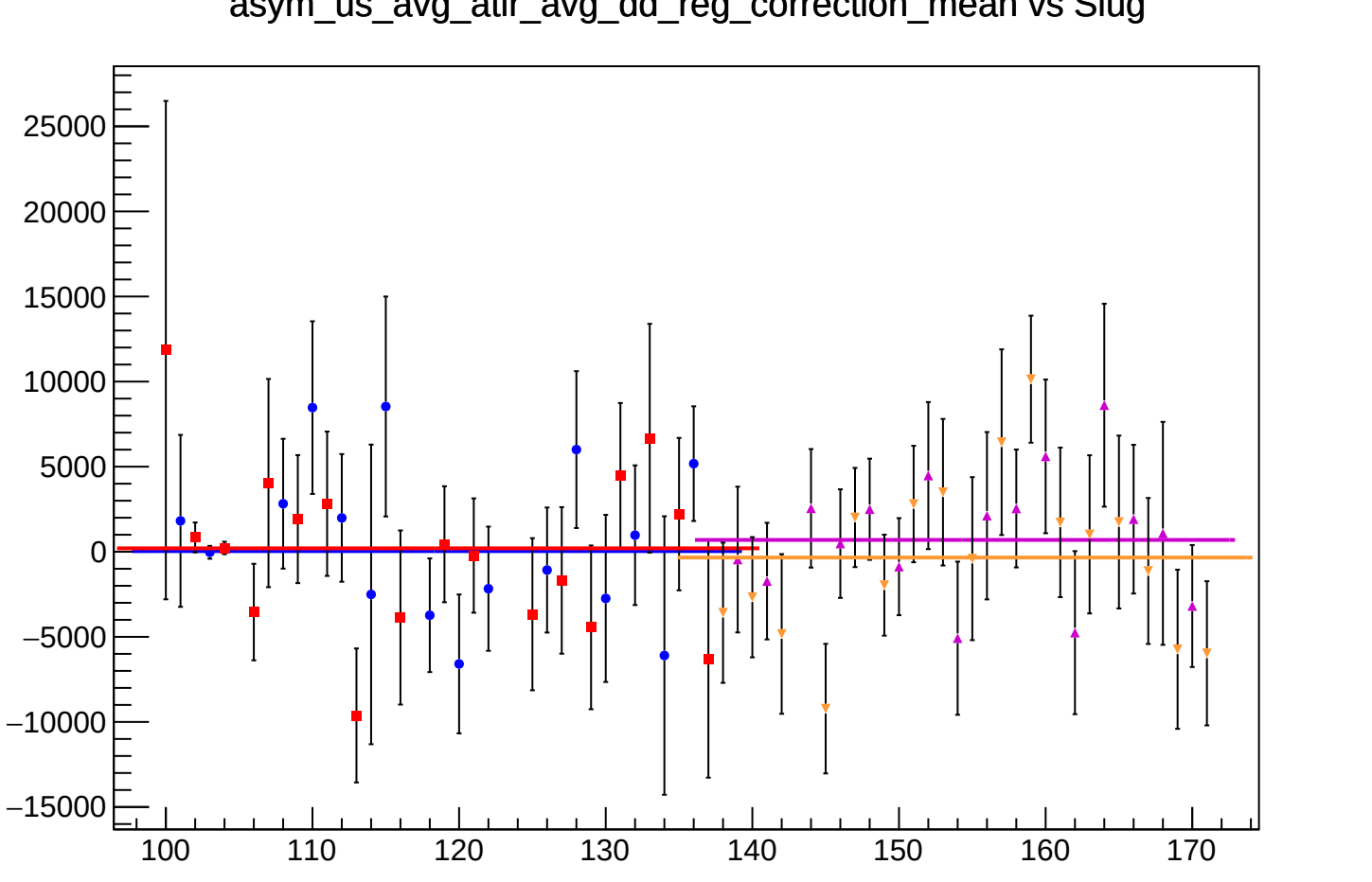
Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

+ sign 1120.509+/-0.176 χ^2/NDF: 658300.1/32

All: 1122.992+/-0.125 χ^2/NDF: 909519.7/66

- sign 1125.514+/-0.177 χ^2/NDF: 250817.0/33



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -339.544+/-968.602 χ^2/NDF:23.0/16

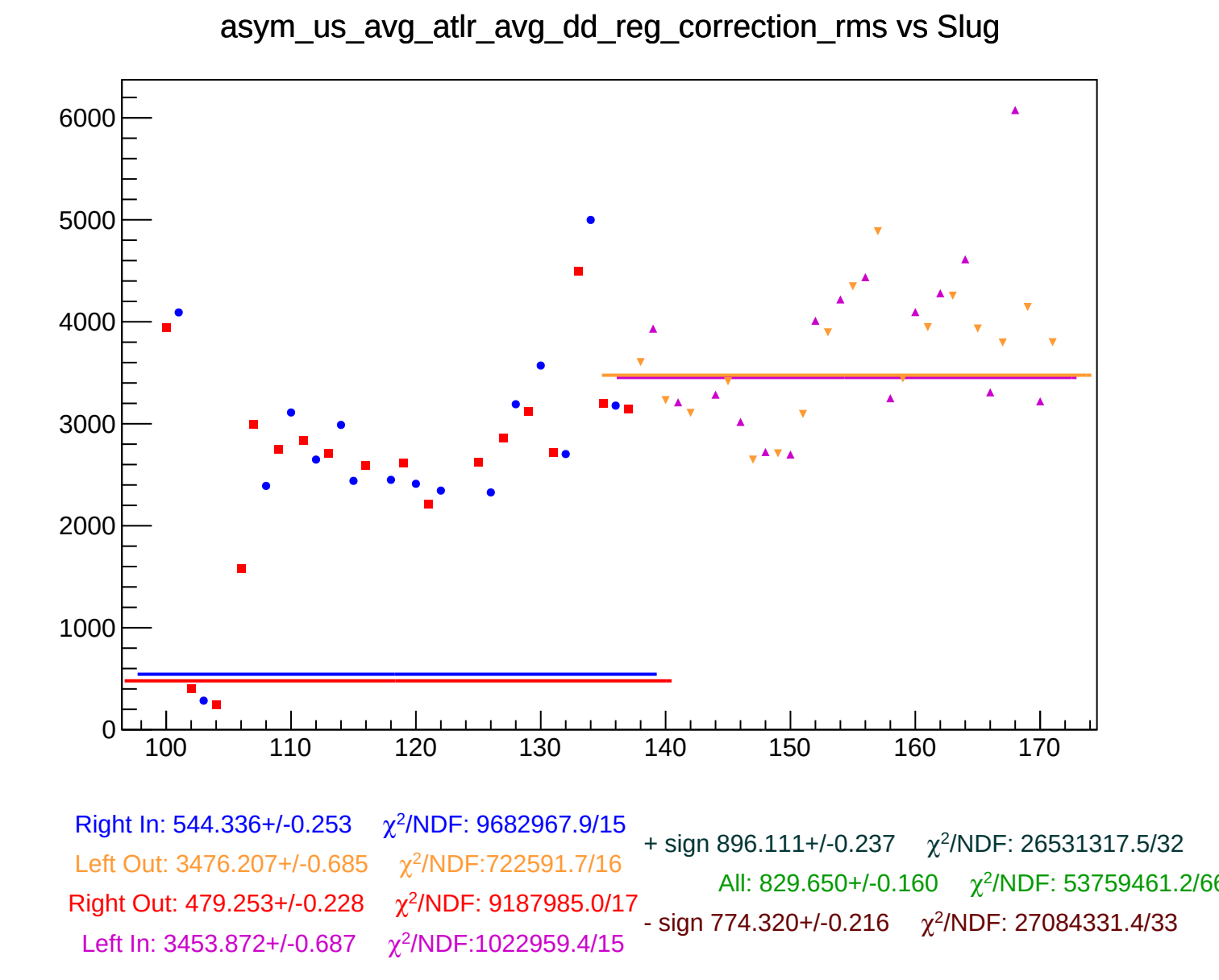
Right Out: 201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: 695.889+/-971.987 χ^2/NDF:9.8/15

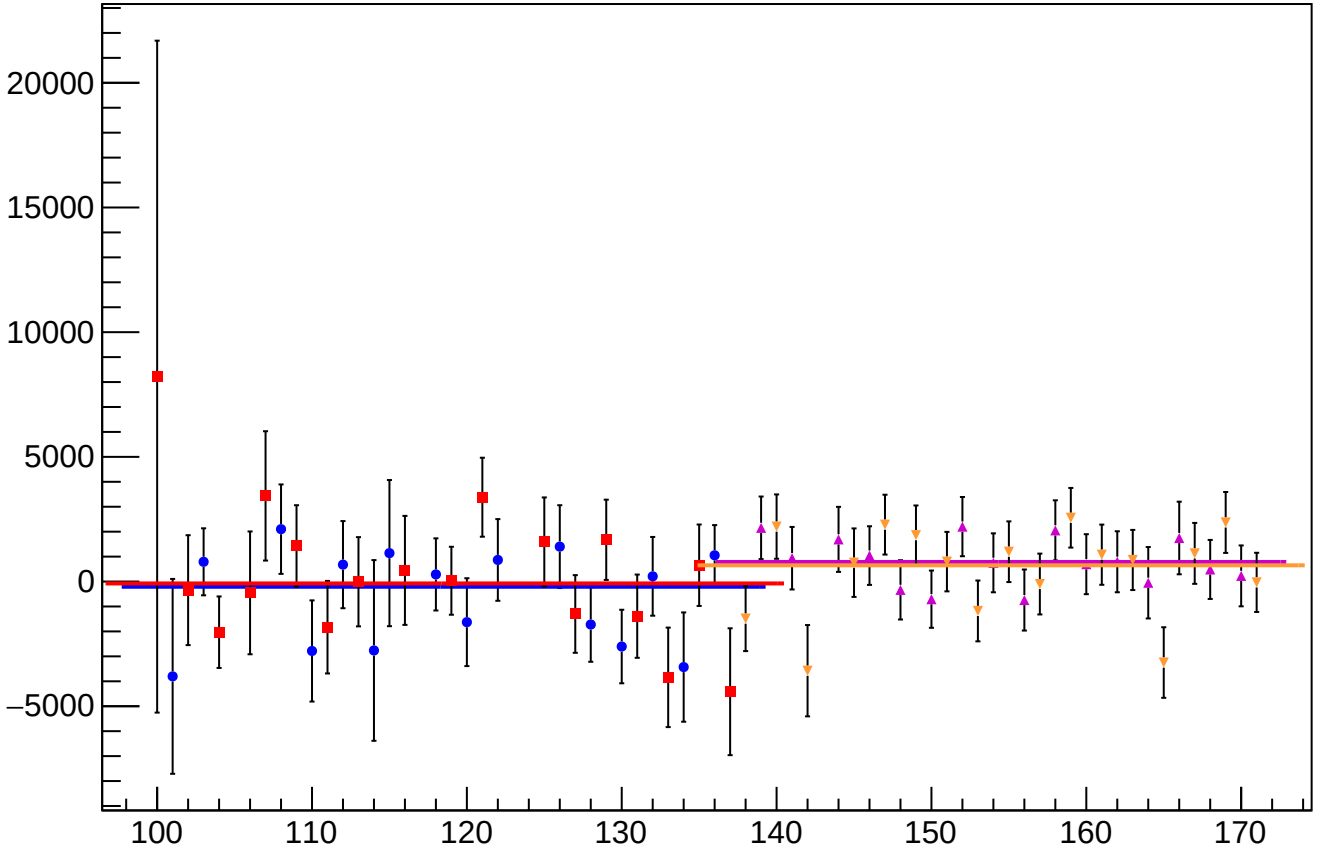
+ sign -7.035+/-335.510 χ^2/NDF: 38.0/32

All: 133.592+/-226.141 χ^2/NDF: 64.0/66

- sign 250.669+/-306.130 χ^2/NDF: 25.7/33


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3476.207+/-0.685 χ²/NDF:722591.7/16
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3453.872+/-0.687 χ²/NDF:1022959.4/15
+ sign 896.111+/-0.237 χ²/NDF: 26531317.5/32
All: 829.650+/-0.160 χ²/NDF: 53759461.2/66
- sign 774.320+/-0.216 χ²/NDF: 27084331.4/33

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 651.194+/-304.793 χ^2/NDF:28.0/16

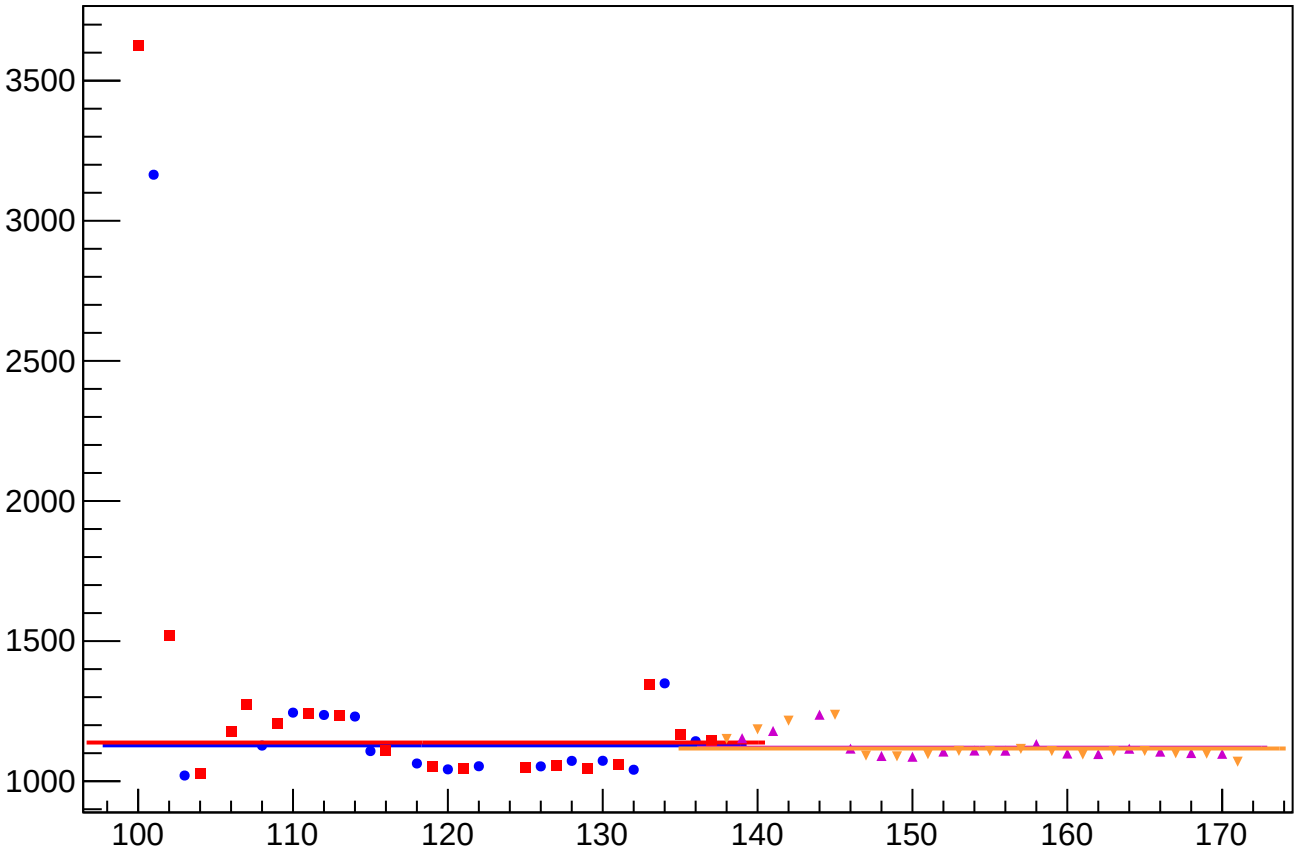
Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: 784.683+/-308.085 χ^2/NDF:9.5/15

\+ sign 363.081+/-248.498 χ^2/NDF: 45.4/32

All: 427.741+/-176.449 χ^2/NDF: 78.3/66

\- sign 493.493+/-250.589 χ^2/NDF: 32.7/33



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1116.726+/-0.216 χ^2/NDF:35987.0/16

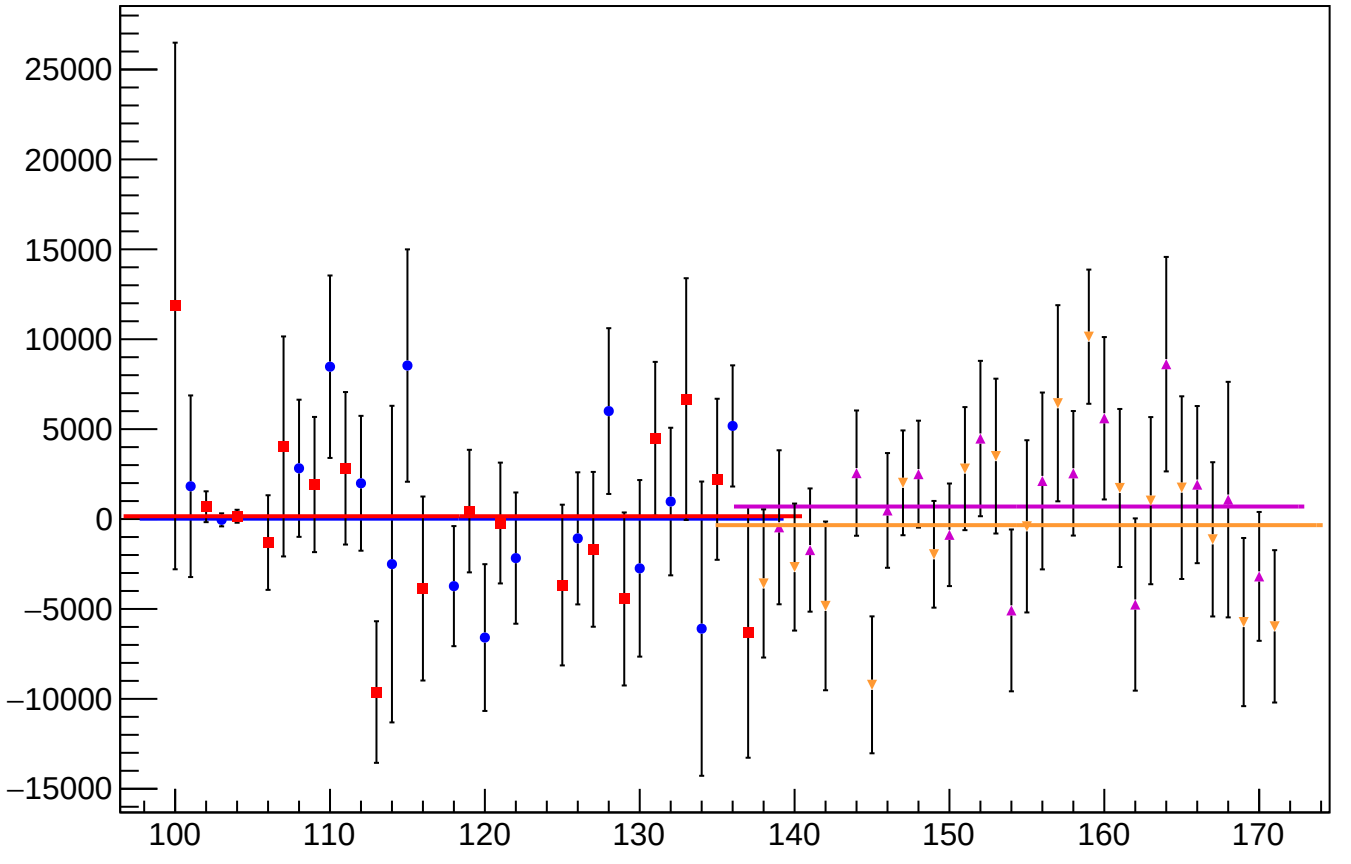
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

+ sign 1120.509+/-0.176 χ^2/NDF: 658301.2/32

All: 1123.147+/-0.125 χ^2/NDF: 910352.7/66

- sign 1125.829+/-0.177 χ^2/NDF: 251596.9/33



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -339.509+/-968.602 χ^2/NDF:23.0/16

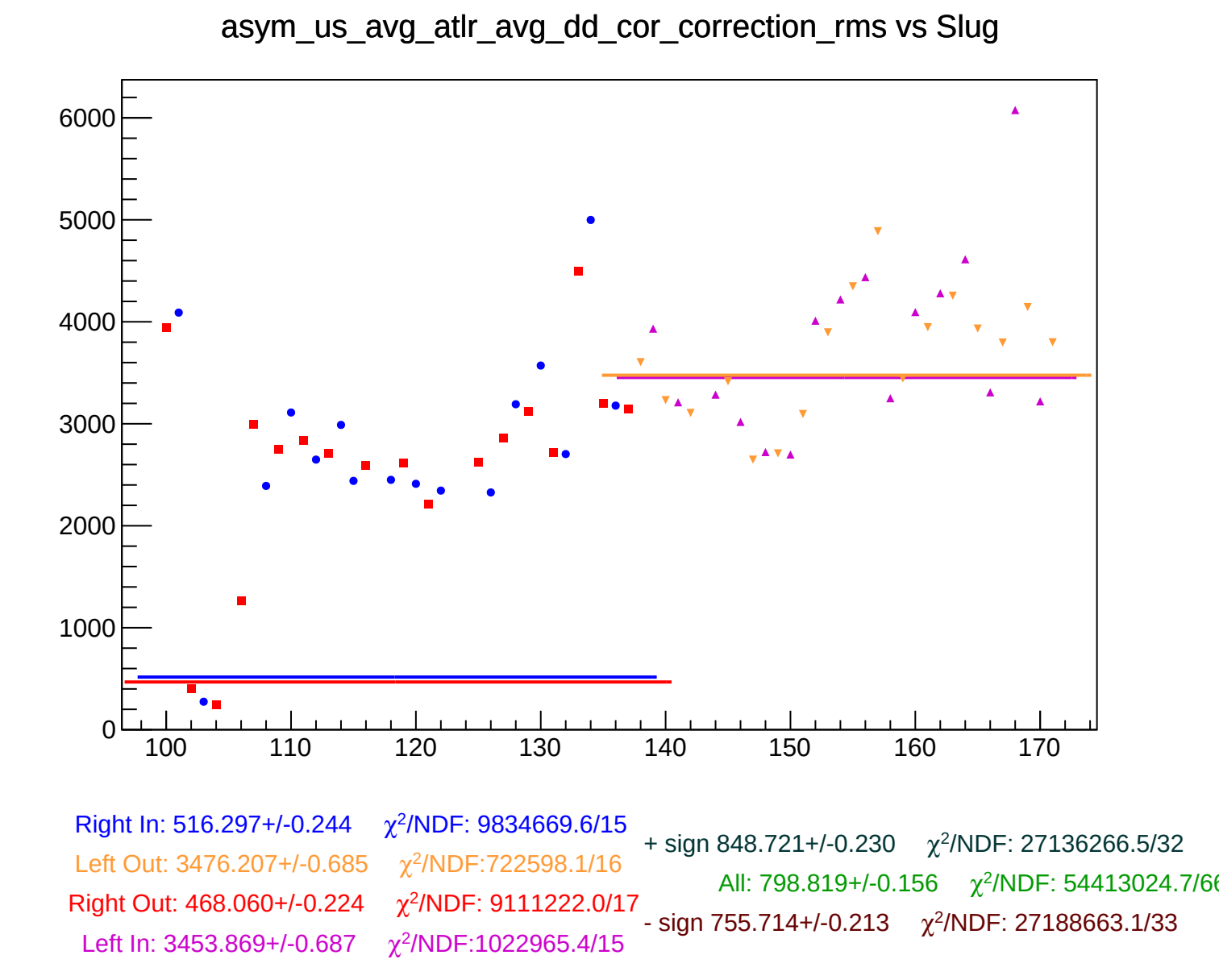
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 695.889+/-971.987 χ^2/NDF:9.8/15

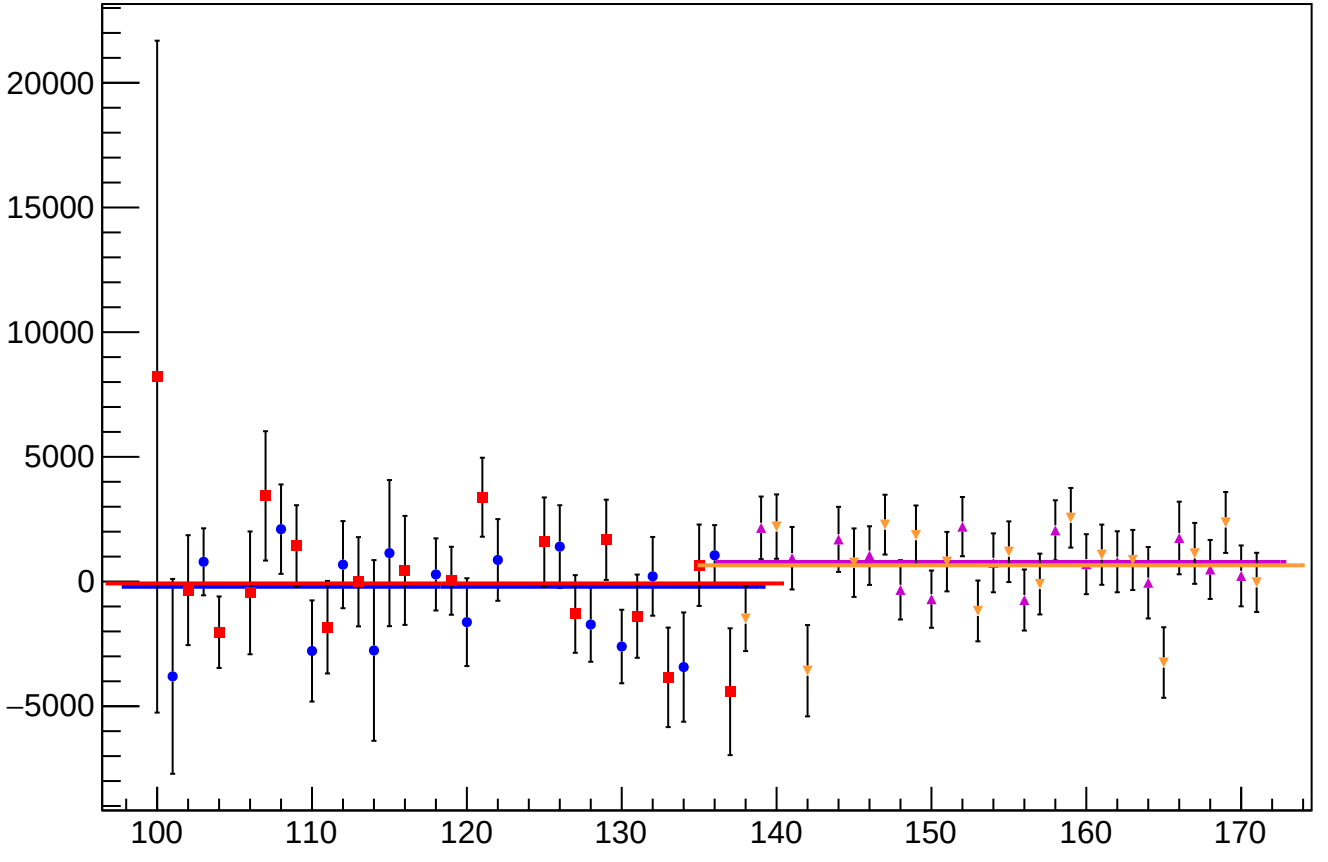
+ sign -18.916+/-324.603 χ^2/NDF: 38.0/32

All: 102.951+/-220.985 χ^2/NDF: 62.4/66

- sign 208.222+/-301.692 χ^2/NDF: 24.1/33


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3476.207+/-0.685 χ²/NDF:722598.1/16
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3453.869+/-0.687 χ²/NDF:1022965.4/15
+ sign 848.721+/-0.230 χ²/NDF: 27136266.5/32
All: 798.819+/-0.156 χ²/NDF: 54413024.7/66
- sign 755.714+/-0.213 χ²/NDF: 27188663.1/33

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: 651.194+/-304.793 χ^2/NDF:28.0/16

Right Out: -75.761+/-430.760 χ^2/NDF: 20.7/17

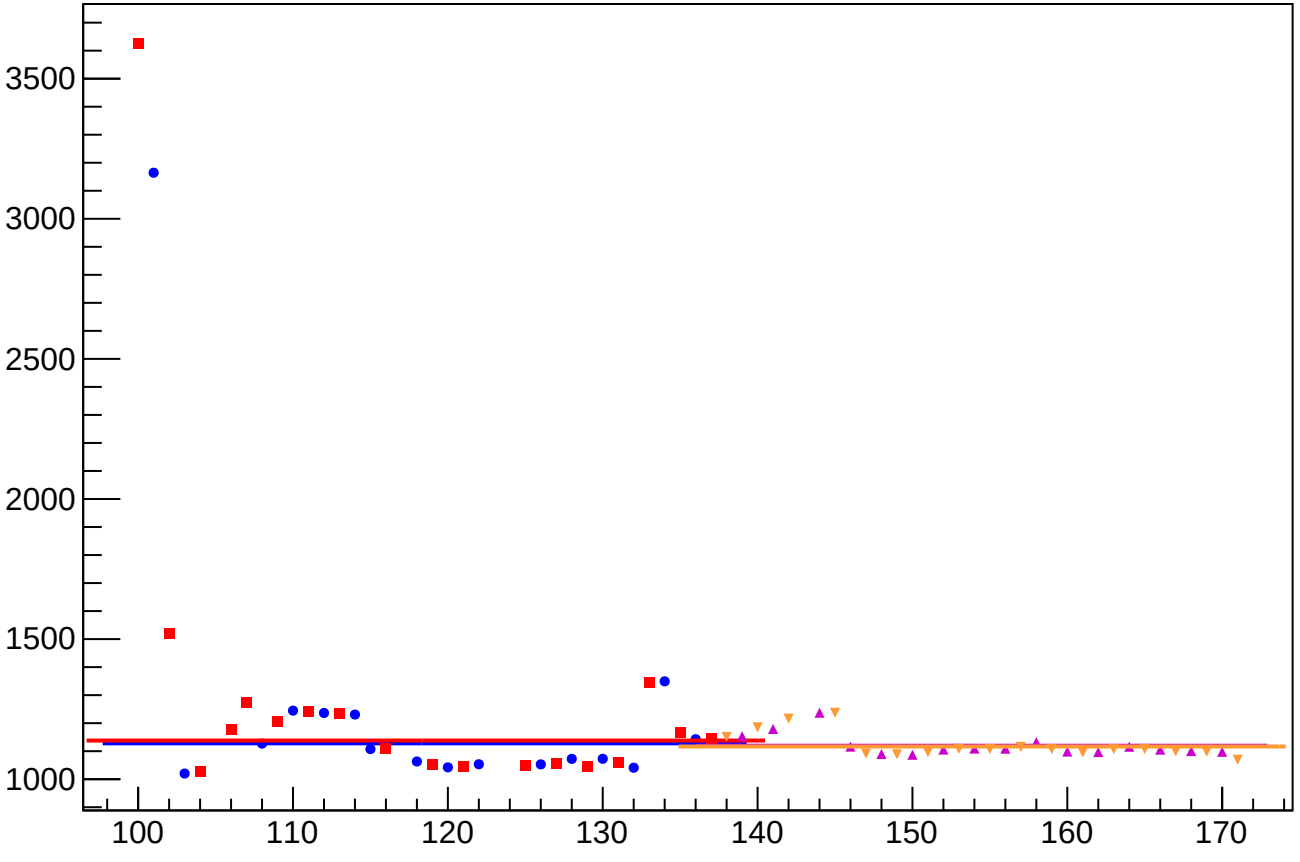
Left In: 784.683+/-308.085 χ^2/NDF:9.5/15

+ sign 363.081+/-248.498 χ^2/NDF: 45.4/32

All: 427.741+/-176.449 χ^2/NDF: 78.3/66

- sign 493.493+/-250.589 χ^2/NDF: 32.7/33

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: 1116.726+/-0.216 χ^2/NDF:35987.0/16

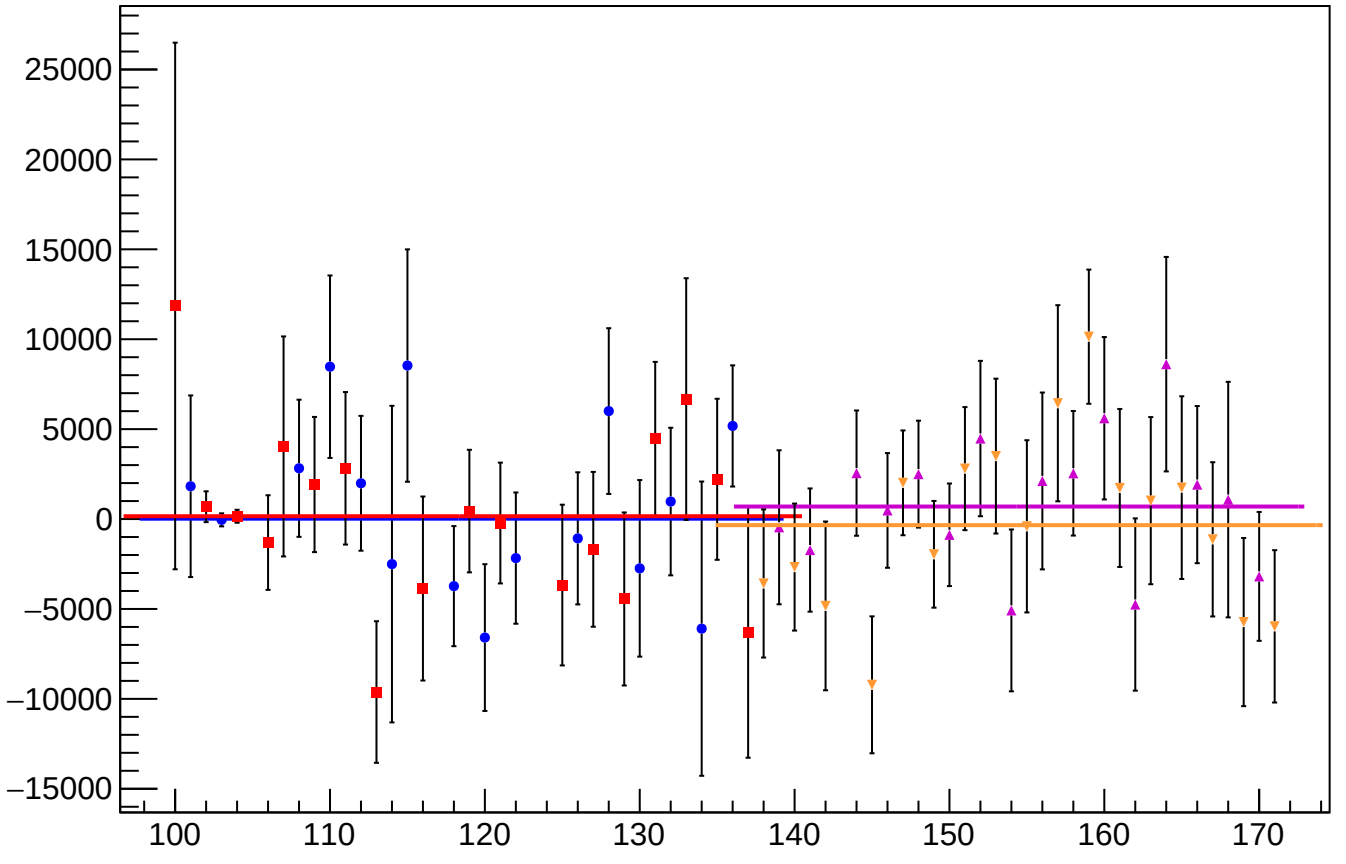
Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1119.596+/-0.218 χ^2/NDF:28555.5/15

+ sign 1120.509+/-0.176 χ^2/NDF: 658301.2/32

All: 1123.147+/-0.125 χ^2/NDF: 910352.7/66

- sign 1125.829+/-0.177 χ^2/NDF: 251596.9/33



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -339.509+/-968.602 χ^2/NDF:23.0/16

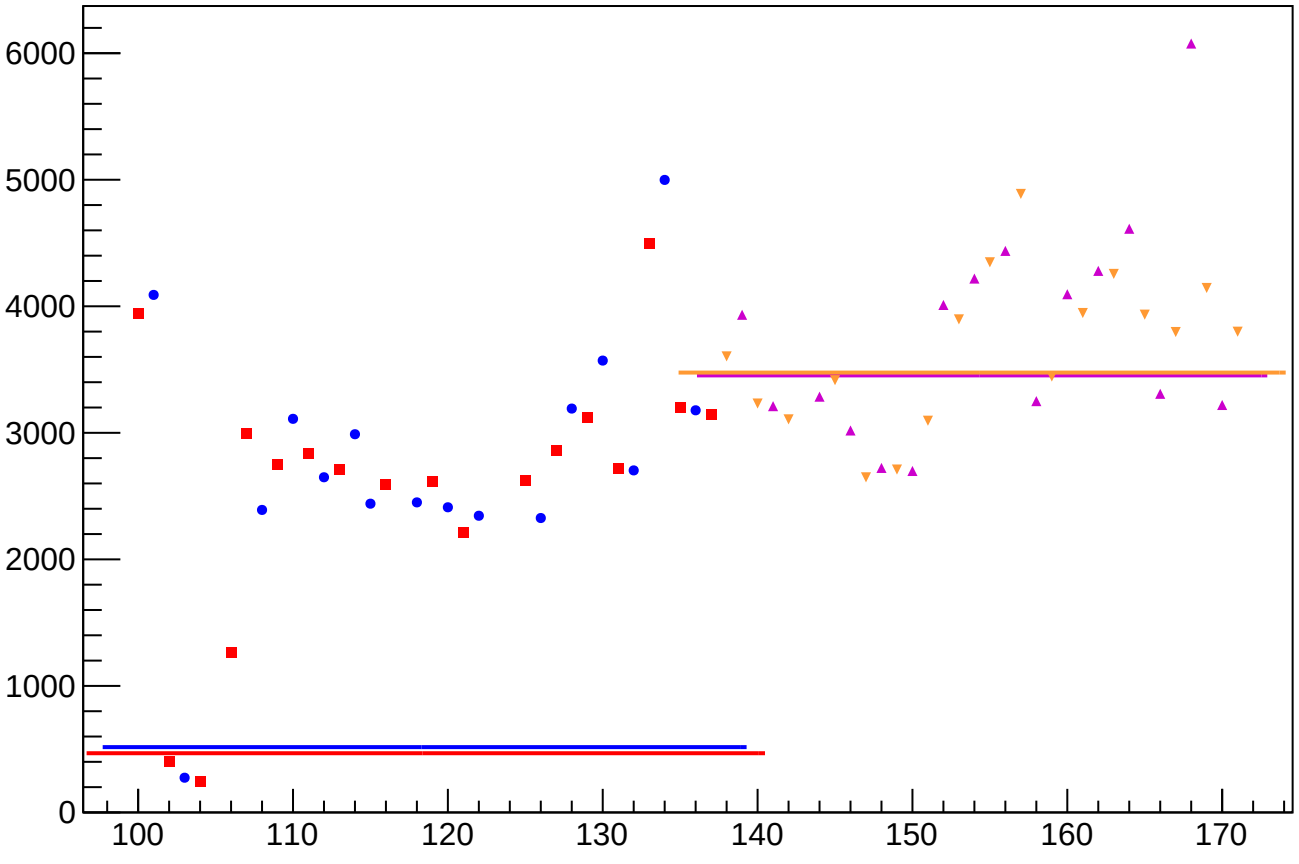
Right Out: 156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: 695.889+/-971.987 χ^2/NDF:9.8/15

+ sign -18.916+/-324.603 χ^2/NDF: 38.0/32

All: 102.951+/-220.985 χ^2/NDF: 62.4/66

- sign 208.222+/-301.692 χ^2/NDF: 24.1/33



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3476.207+/-0.685 χ^2/NDF:722598.1/16

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

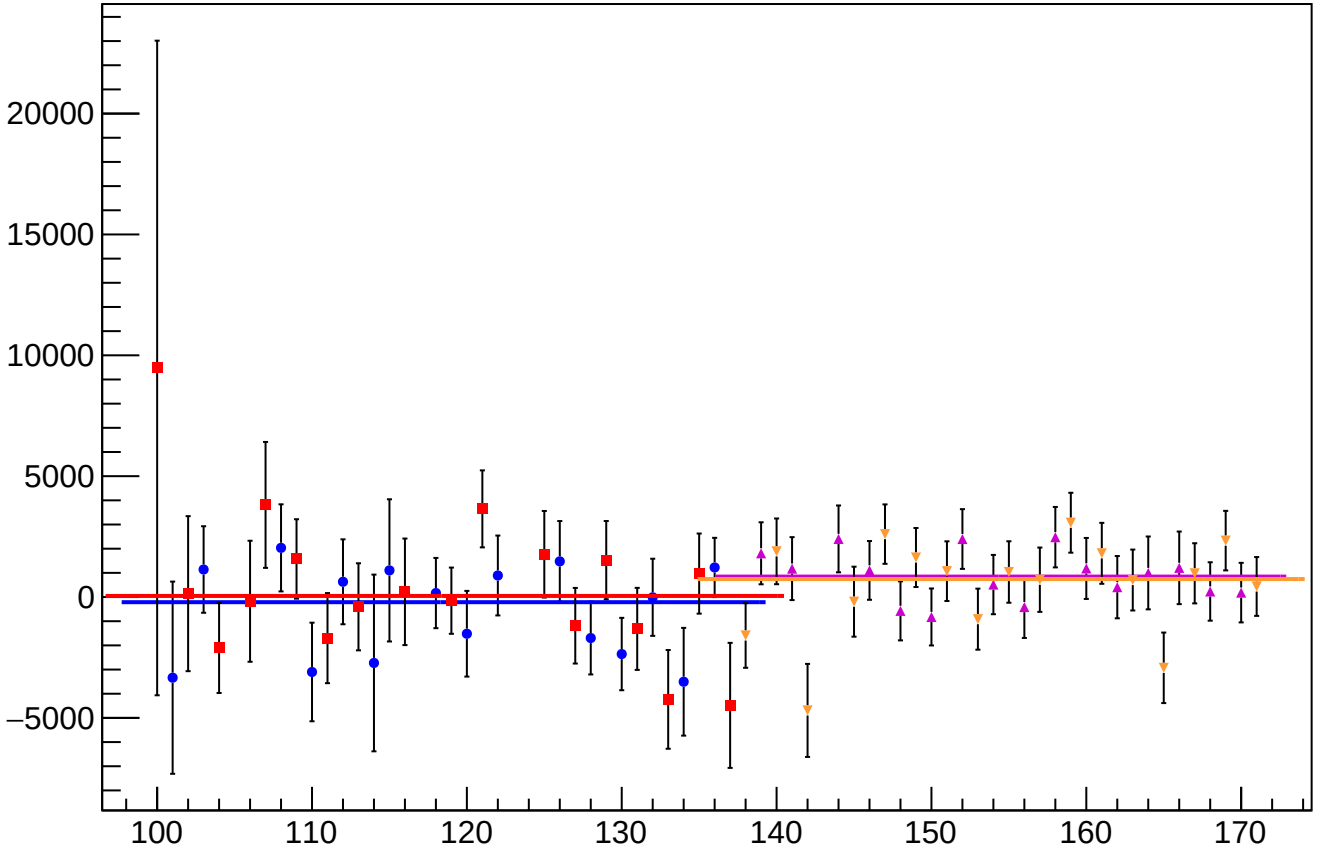
Left In: 3453.869+/-0.687 χ^2/NDF:1022965.4/15

+ sign 848.721+/-0.230 χ^2/NDF: 27136266.5/32

All: 798.819+/-0.156 χ^2/NDF: 54413024.7/66

- sign 755.714+/-0.213 χ^2/NDF: 27188663.1/33

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 744.171+/-316.078 χ^2/NDF:29.2/16

Right Out: 45.535+/-447.221 χ^2/NDF: 21.7/17

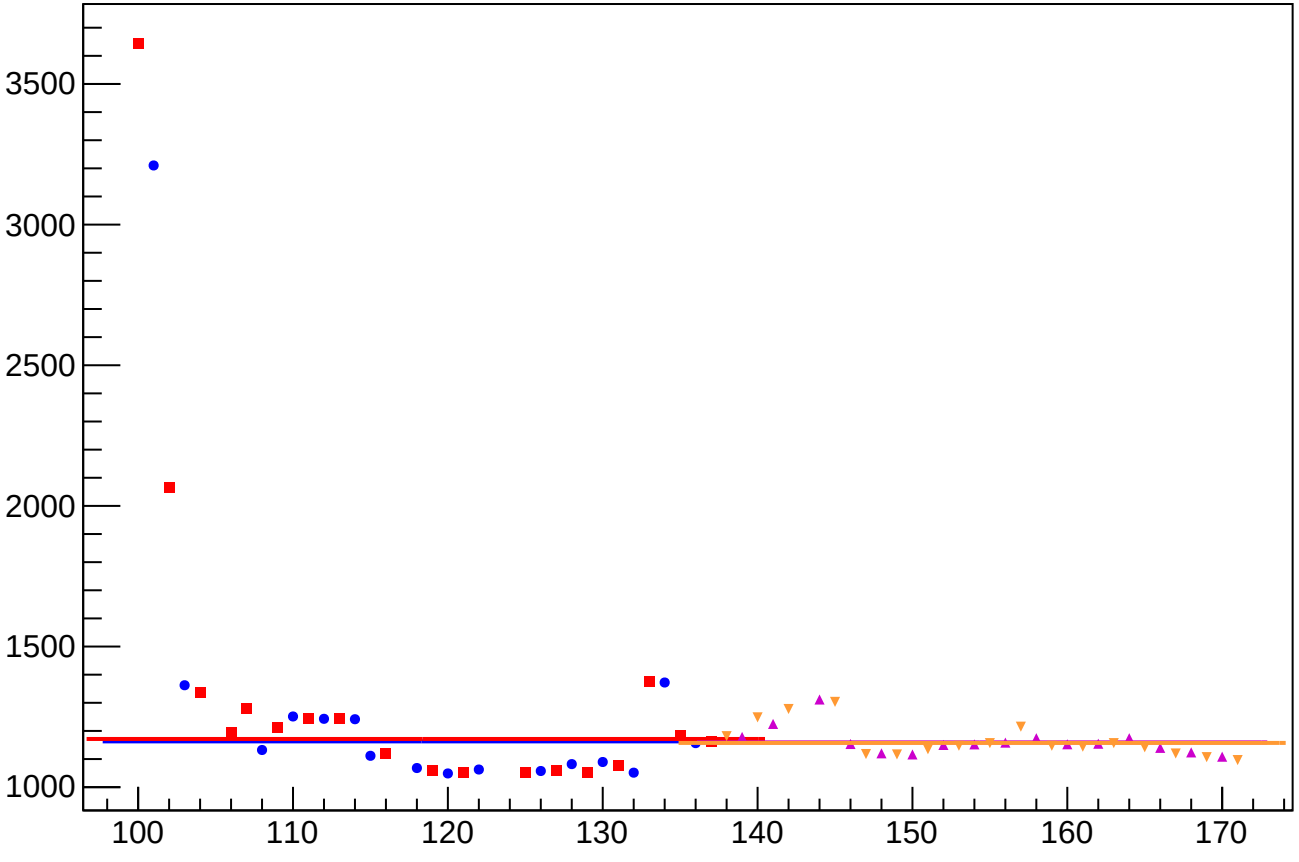
Left In: 846.418+/-319.145 χ^2/NDF:10.4/15

+ sign 420.945+/-257.238 χ^2/NDF: 46.6/32

All: 497.801+/-182.787 χ^2/NDF: 81.0/66

- sign 576.185+/-259.781 χ^2/NDF: 34.2/33

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1157.410+/-0.224 χ^2/NDF:57431.6/16

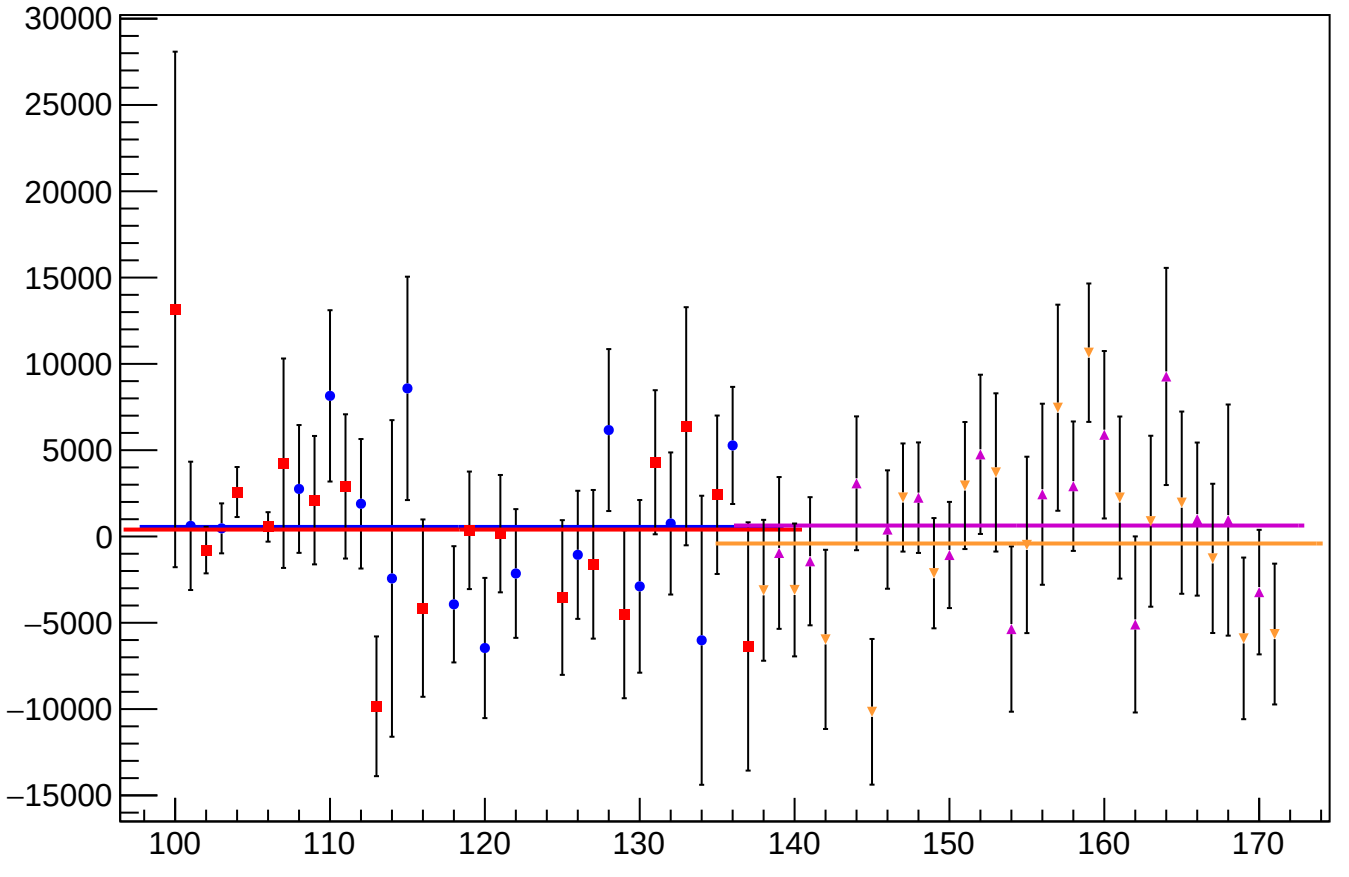
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1159.388+/-0.226 χ^2/NDF:40783.2/15

+ sign 1159.247+/-0.182 χ^2/NDF: 692985.2/32

All: 1161.329+/-0.129 χ^2/NDF: 1066633.4/66

- sign 1163.451+/-0.184 χ^2/NDF: 373383.8/33



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -406.921+/-1024.949 χ^2/NDF:23.1/16

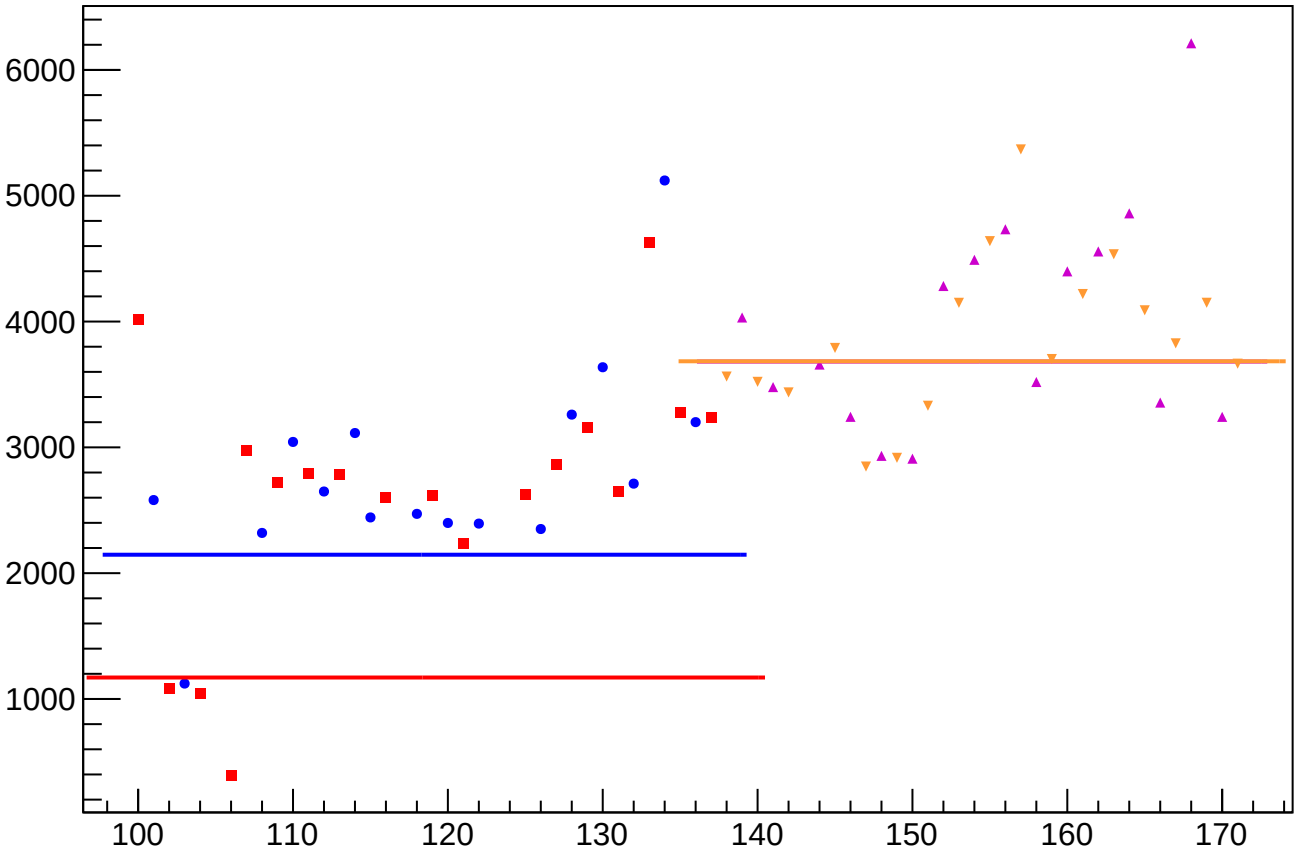
Right Out: 400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: 633.685+/-1035.139 χ^2/NDF:9.7/15

+ sign 148.517+/-665.096 χ^2/NDF: 38.0/32

All: 344.739+/-397.878 χ^2/NDF: 64.5/66

- sign 454.099+/-496.523 χ^2/NDF: 26.4/33



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3684.242+/-0.725 χ^2/NDF:655975.9/16

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

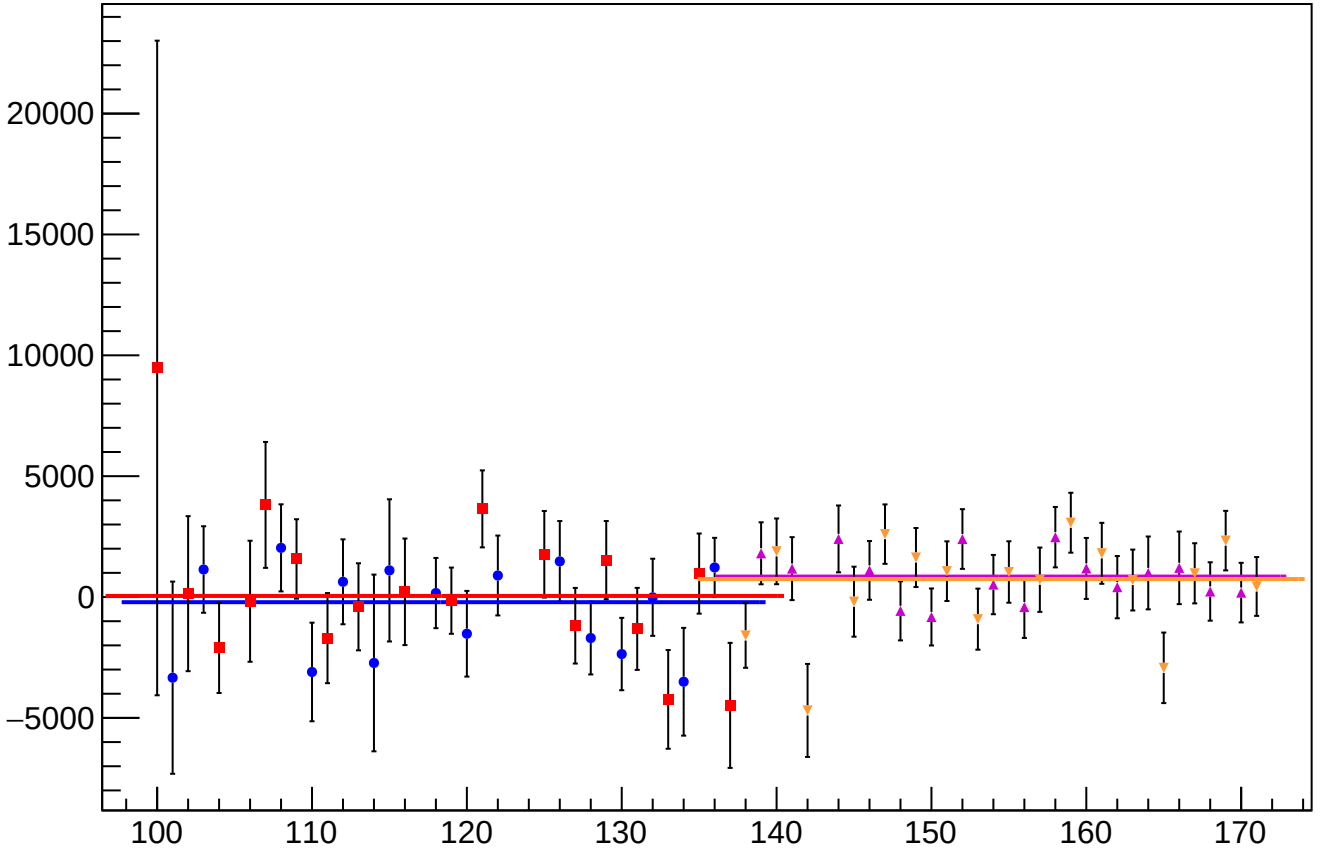
Left In: 3681.917+/-0.732 χ^2/NDF:960909.2/15

+ sign 2794.079+/-0.470 χ^2/NDF: 5236527.5/32

All: 2122.614+/-0.281 χ^2/NDF: 24252886.2/6

- sign 1748.388+/-0.351 χ^2/NDF: 15841762.8/33

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: 744.171+/-316.078 χ^2/NDF:29.2/16

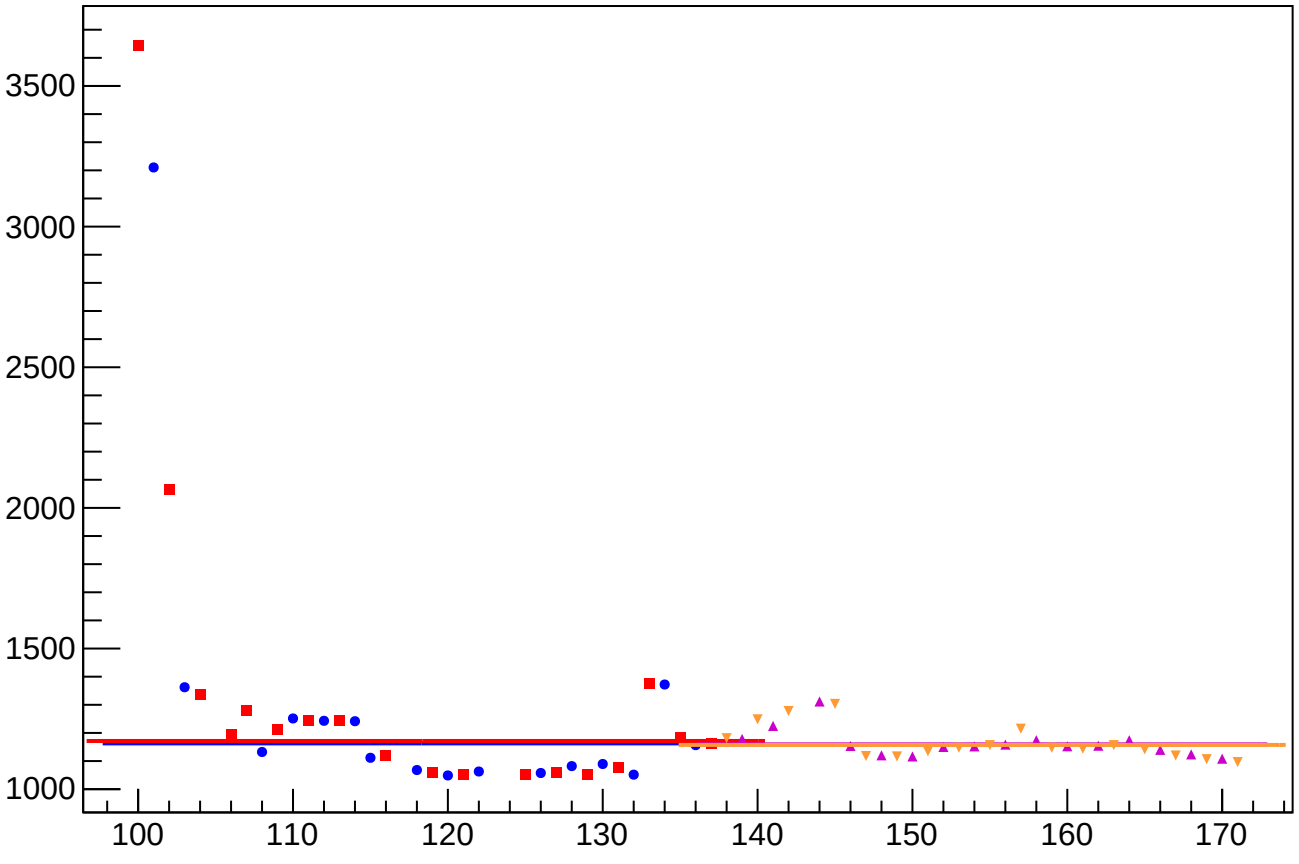
Right Out: 45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: 846.419+/-319.145 χ^2/NDF:10.4/15

+ sign 420.944+/-257.238 χ^2/NDF: 46.6/32

All: 497.801+/-182.787 χ^2/NDF: 81.0/66

- sign 576.186+/-259.781 χ^2/NDF: 34.2/33



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1157.410+/-0.224 χ^2/NDF:57432.6/16

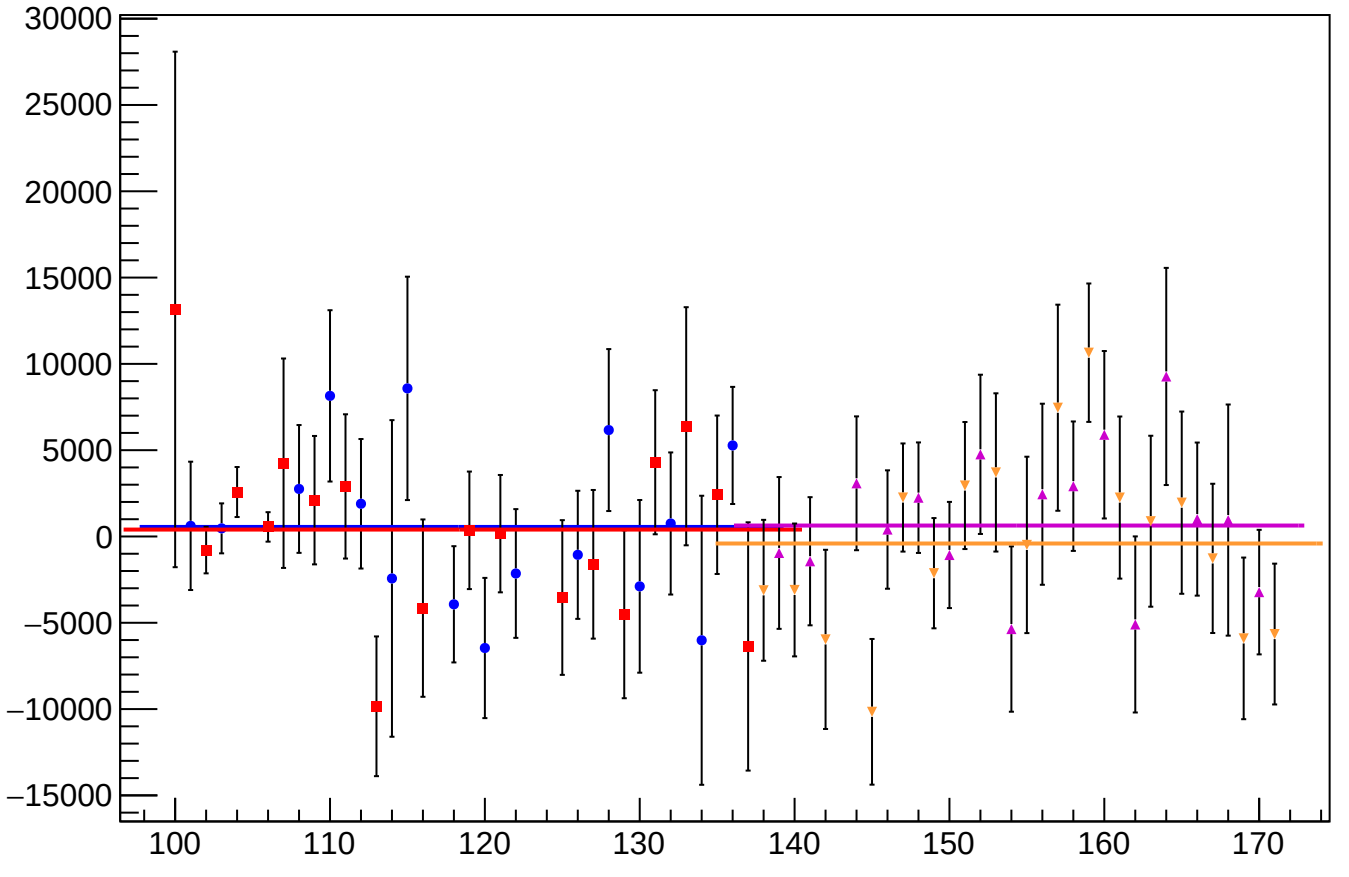
Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1159.389+/-0.226 χ^2/NDF:40783.5/15

+ sign 1159.248+/-0.182 χ^2/NDF: 692986.3/32

All: 1161.329+/-0.129 χ^2/NDF: 1066634.3/66

- sign 1163.451+/-0.184 χ^2/NDF: 373383.6/33



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -406.923+/-1024.950 χ^2/NDF:23.1/16

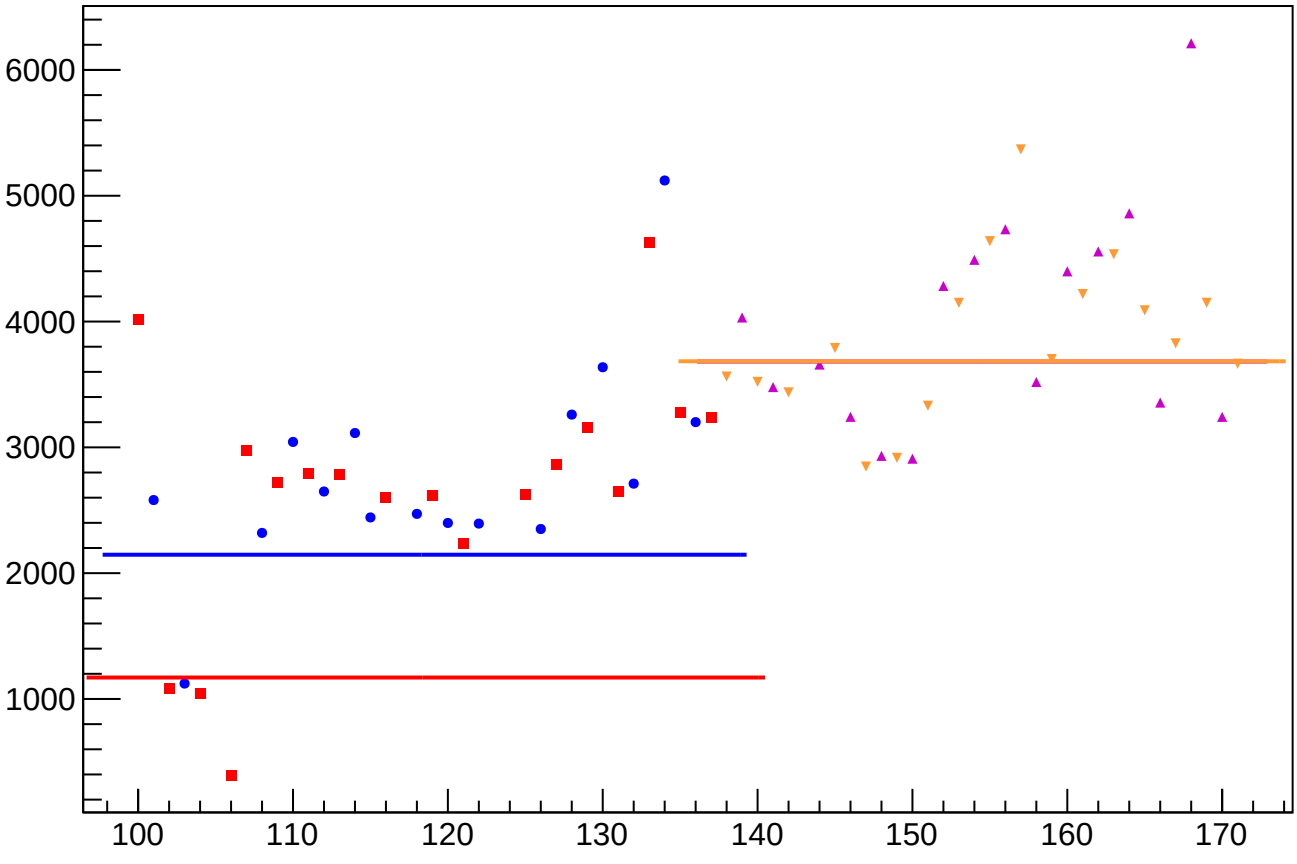
Right Out: 400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: 633.683+/-1035.140 χ^2/NDF:9.7/15

+ sign 148.514+/-665.096 χ^2/NDF: 38.0/32

All: 344.739+/-397.875 χ^2/NDF: 64.5/66

- sign 454.099+/-496.519 χ^2/NDF: 26.4/33



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3684.247+/-0.725 χ^2/NDF:655977.7/16

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

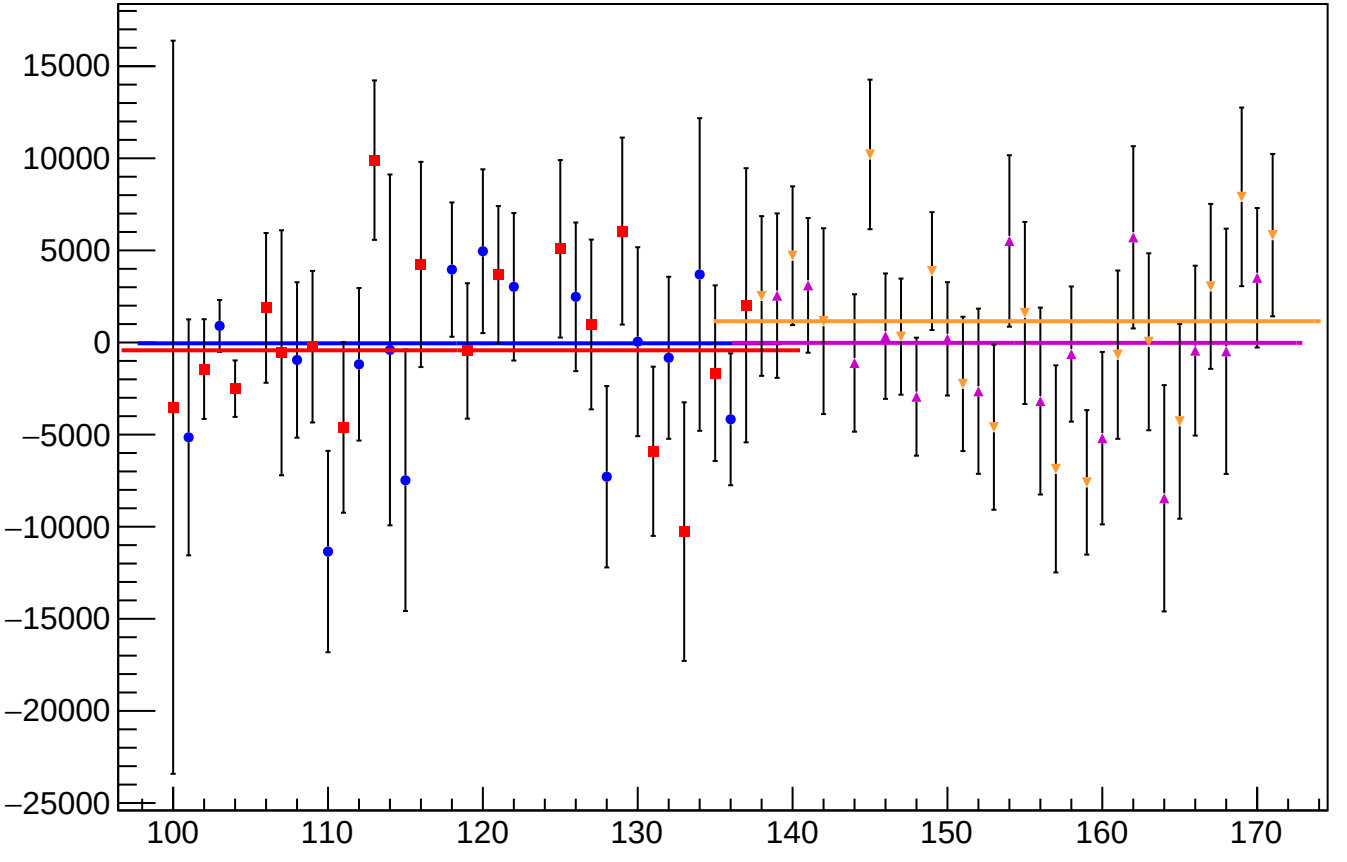
Left In: 3681.921+/-0.732 χ^2/NDF:960911.8/15

+ sign 2794.077+/-0.470 χ^2/NDF: 5236551.1/32

All: 2122.591+/-0.281 χ^2/NDF: 24253453.1/6

- sign 1748.359+/-0.351 χ^2/NDF: 15842122.4/33

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1155.902+/-1022.998 χ^2/NDF:20.8/16

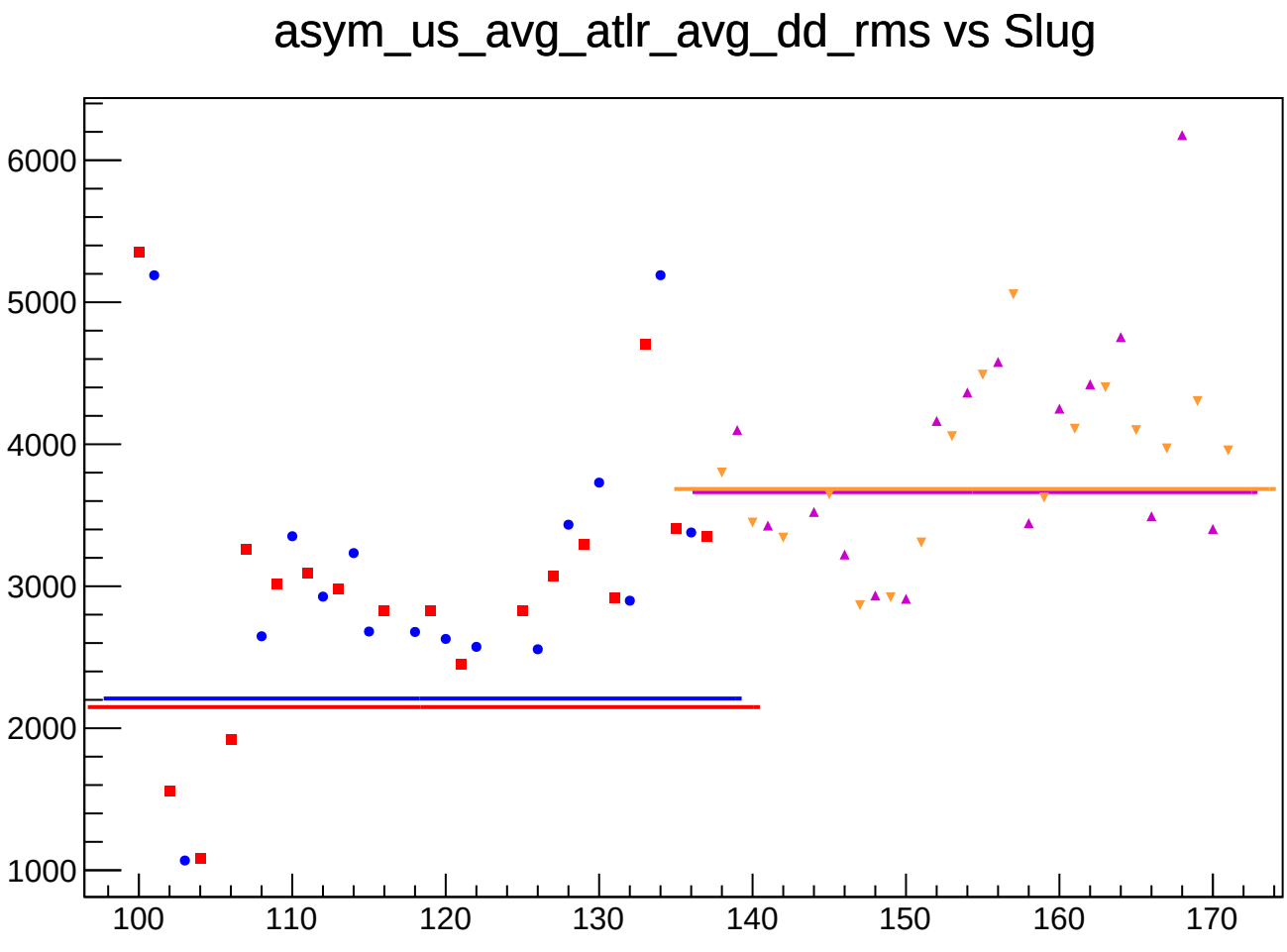
Right Out: -423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -18.380+/-1027.196 χ^2/NDF:9.5/15

+ sign 492.514+/-684.365 χ^2/NDF: 35.3/32

All: 117.311+/-480.766 χ^2/NDF: 62.8/66

- sign -248.272+/-675.534 χ^2/NDF: 26.9/33



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3684.850+/-0.723 χ^2/NDF:597228.6/16

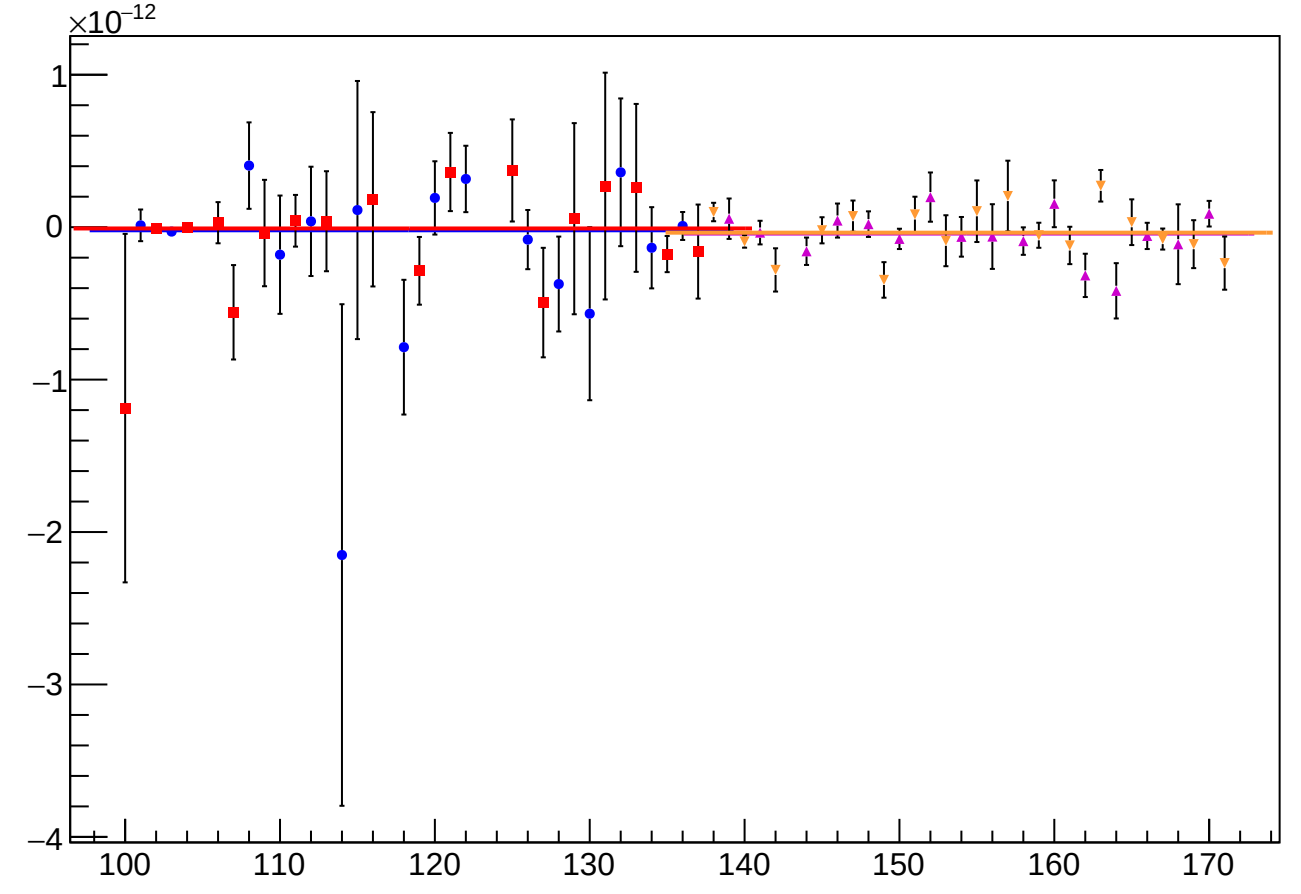
Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3663.148+/-0.726 χ^2/NDF:868370.3/15

+ sign 2869.684+/-0.484 χ^2/NDF: 5732717.7/32

All: 2835.387+/-0.340 χ^2/NDF: 11352110.7/6

- sign 2802.061+/-0.477 χ^2/NDF: 5609489.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/16

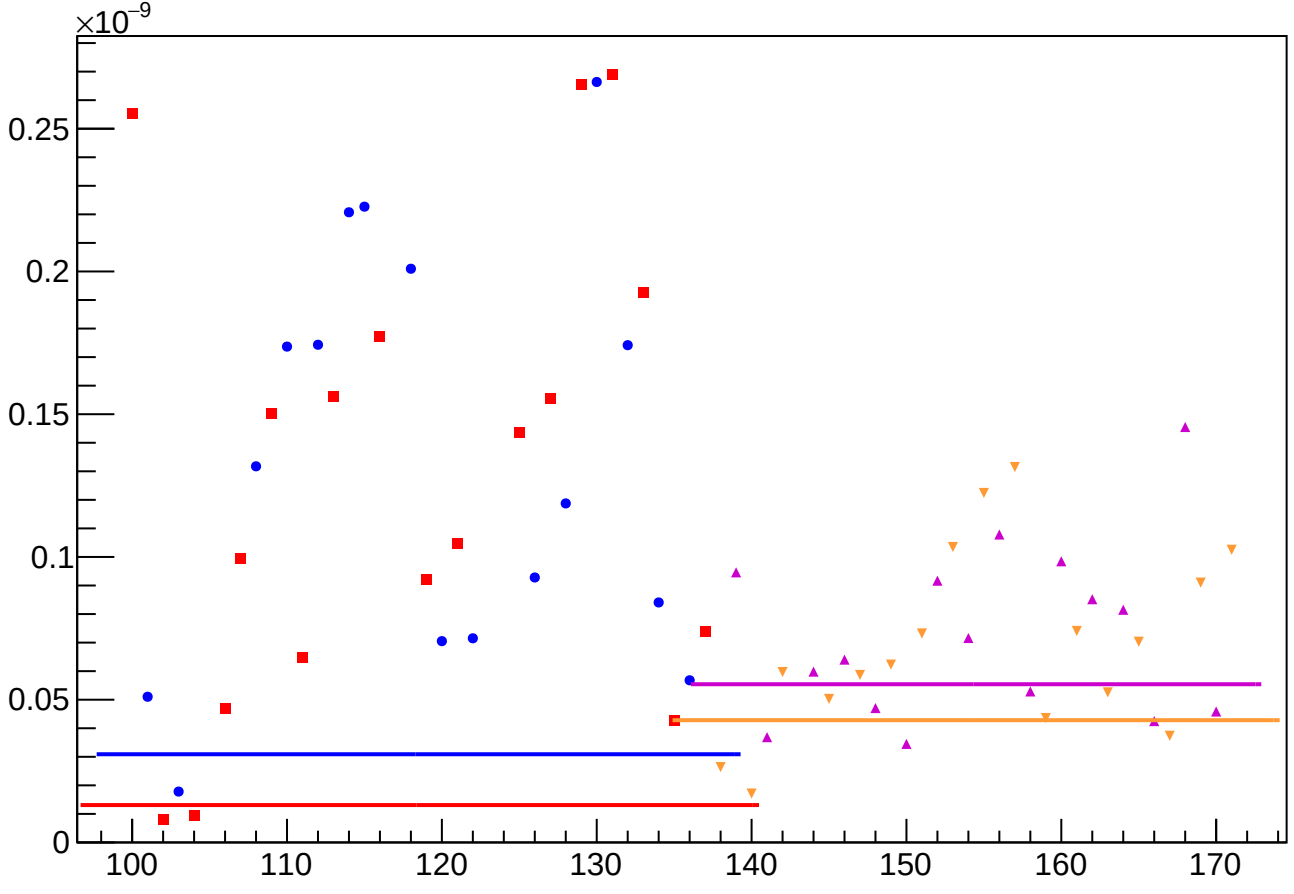
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/17

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

+ sign -0.000+/-0.000 χ^2/NDF: 46.3/32

All: -0.000+/-0.000 χ^2/NDF: 80.2/66

- sign -0.000+/-0.000 χ^2/NDF: 33.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2739816.9/16

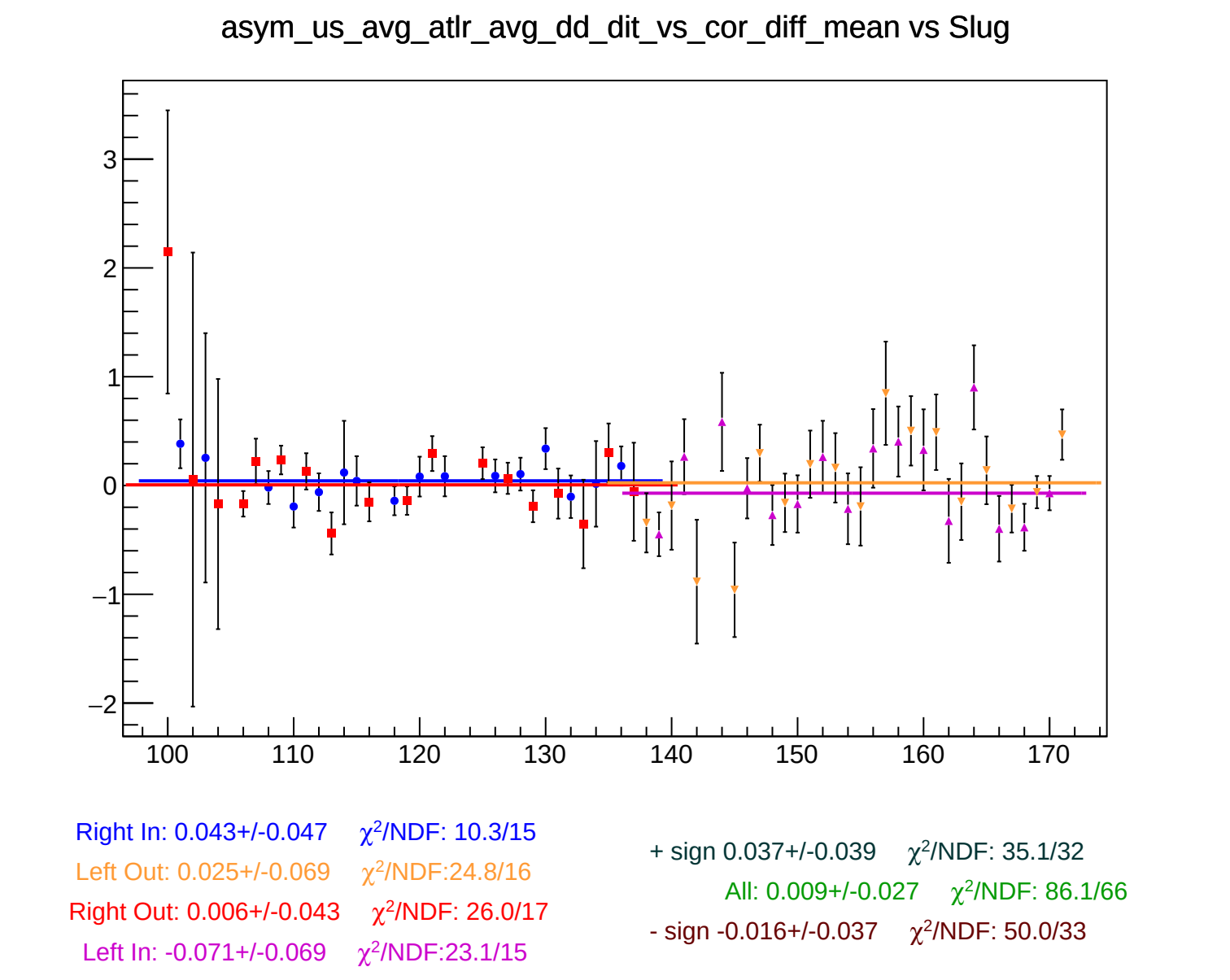
Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1371909.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 5986561.9/32

All: 0.000+/-0.000 χ^2/NDF: 15857316.0/66

- sign 0.000+/-0.000 χ^2/NDF: 8963701.2/33


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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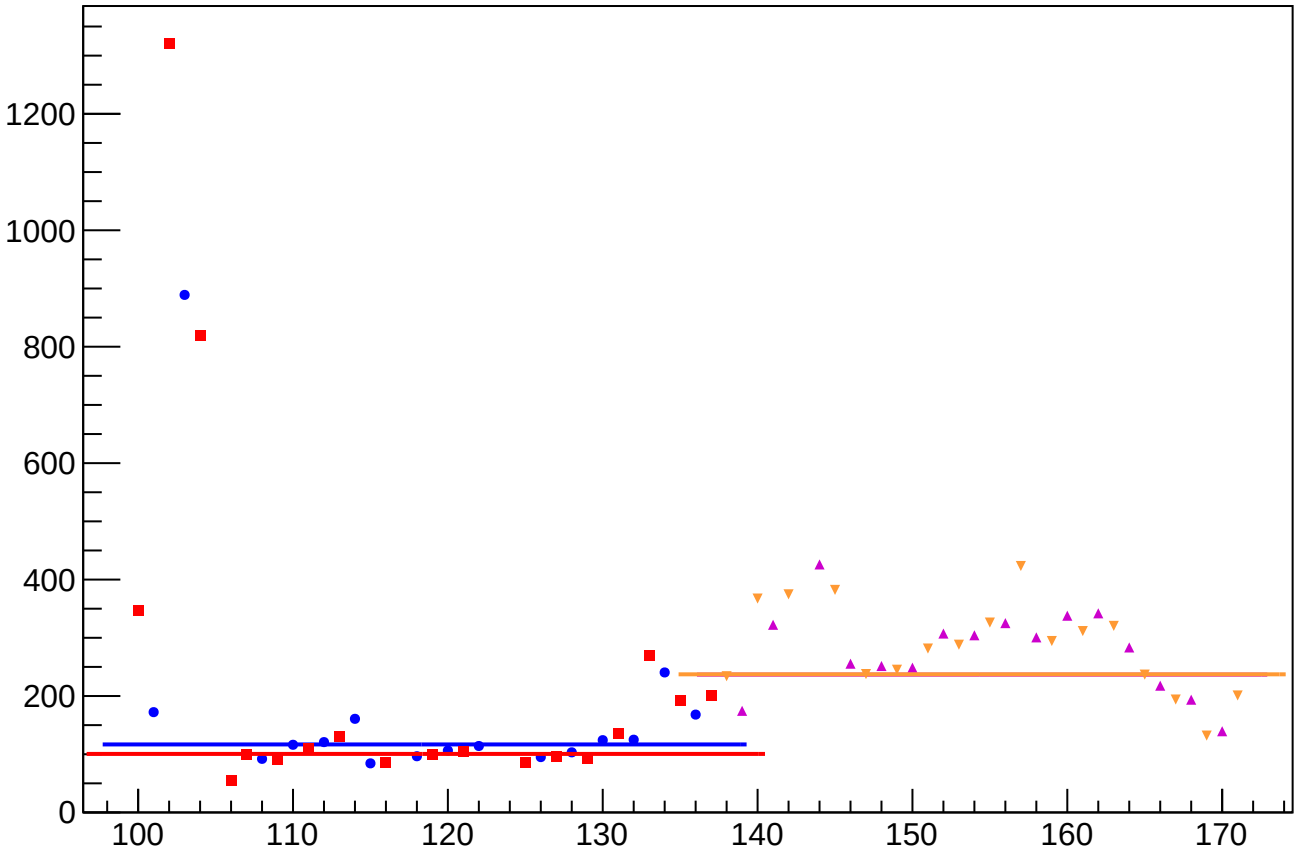
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.025+/-0.069 χ²/NDF:24.8/16
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.069 χ²/NDF:23.1/15
+ sign 0.037+/-0.039 χ²/NDF: 35.1/32
All: 0.009+/-0.027 χ²/NDF: 86.1/66
- sign -0.016+/-0.037 χ²/NDF: 50.0/33



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 237.267+/-0.049 χ^2/NDF:2472201.8/16

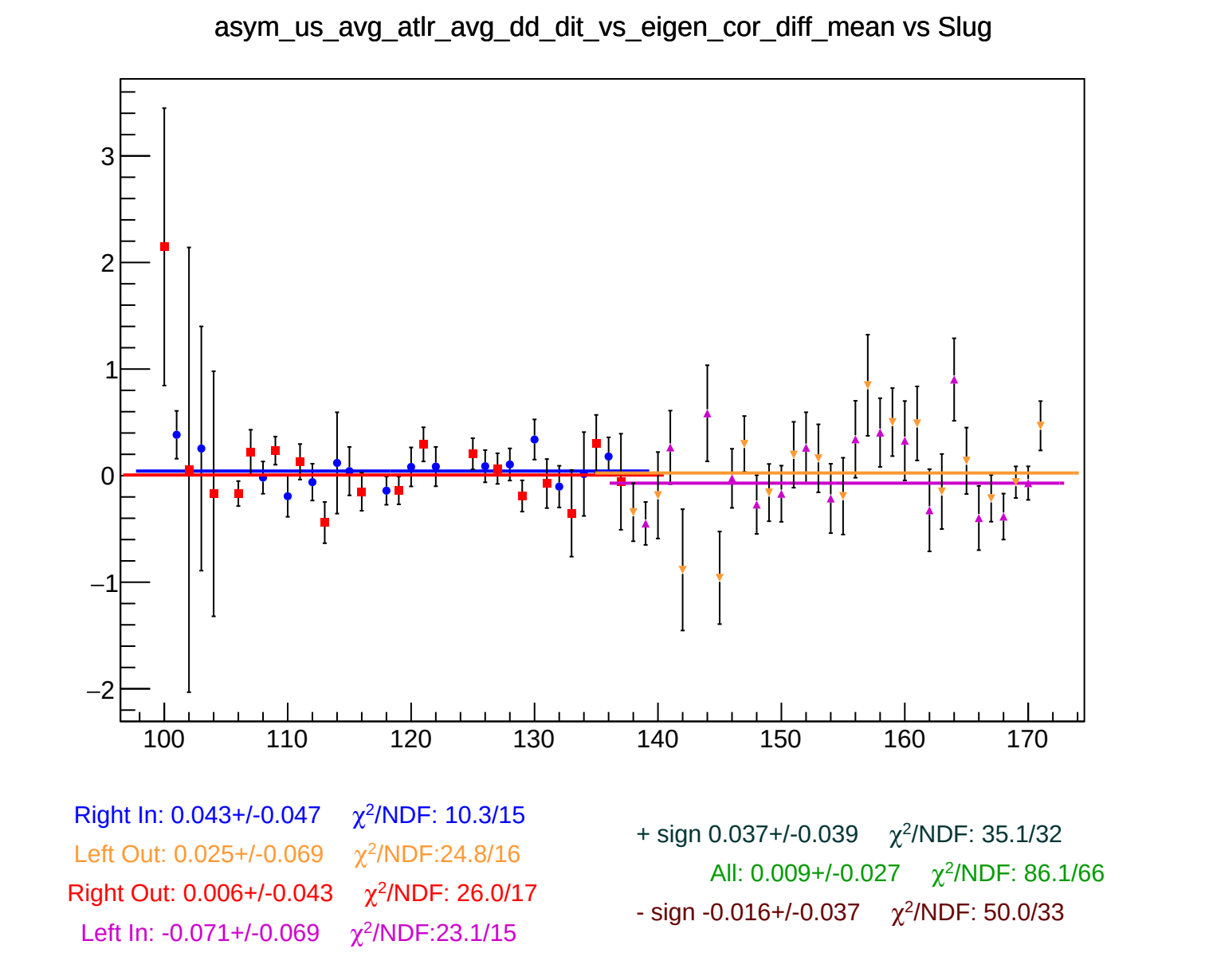
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.734+/-0.049 χ^2/NDF:2237149.8/15

+ sign 155.560+/-0.028 χ^2/NDF: 8232178.5/32

All: 146.685+/-0.019 χ^2/NDF: 18869142.2/66

- sign 138.830+/-0.026 χ^2/NDF: 10442694.6/33


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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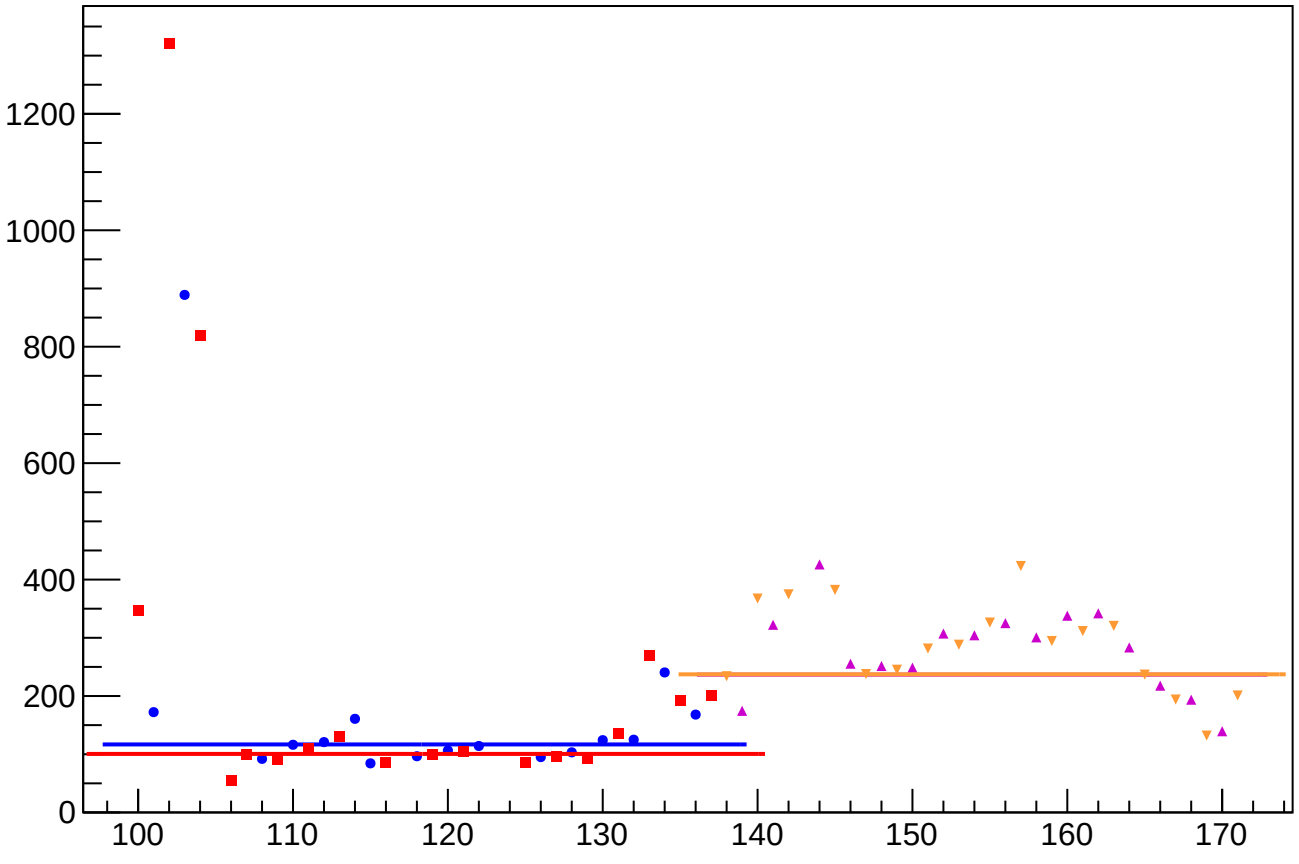
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.025+/-0.069 χ²/NDF:24.8/16
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.069 χ²/NDF:23.1/15
+ sign 0.037+/-0.039 χ²/NDF: 35.1/32
All: 0.009+/-0.027 χ²/NDF: 86.1/66
- sign -0.016+/-0.037 χ²/NDF: 50.0/33



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 237.267+/-0.049 χ^2/NDF:2472201.8/16

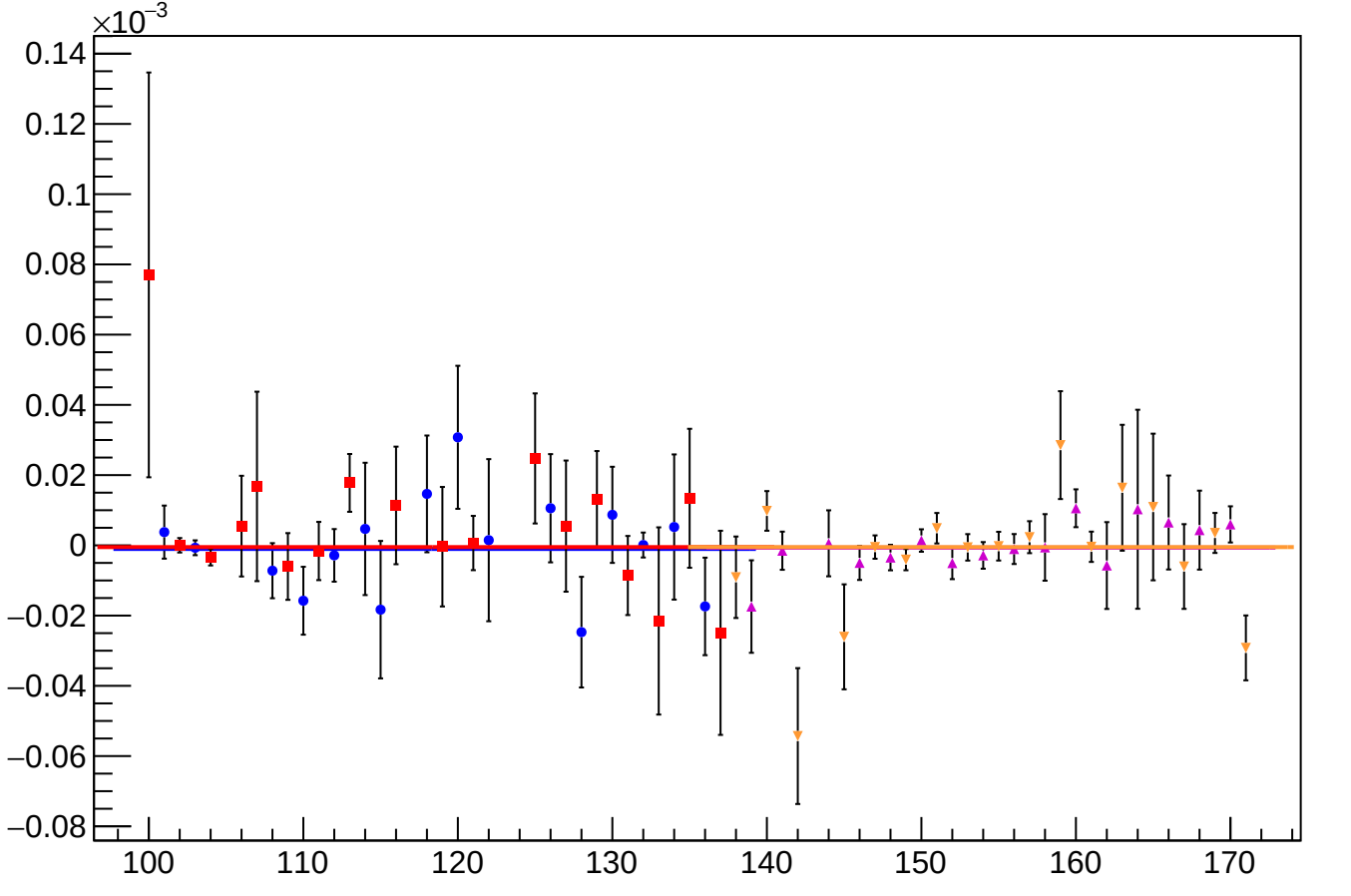
Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.734+/-0.049 χ^2/NDF:2237149.8/15

+ sign 155.560+/-0.028 χ^2/NDF: 8232178.5/32

All: 146.685+/-0.019 χ^2/NDF: 18869142.2/66

- sign 138.830+/-0.026 χ^2/NDF: 10442694.6/33



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.0/16

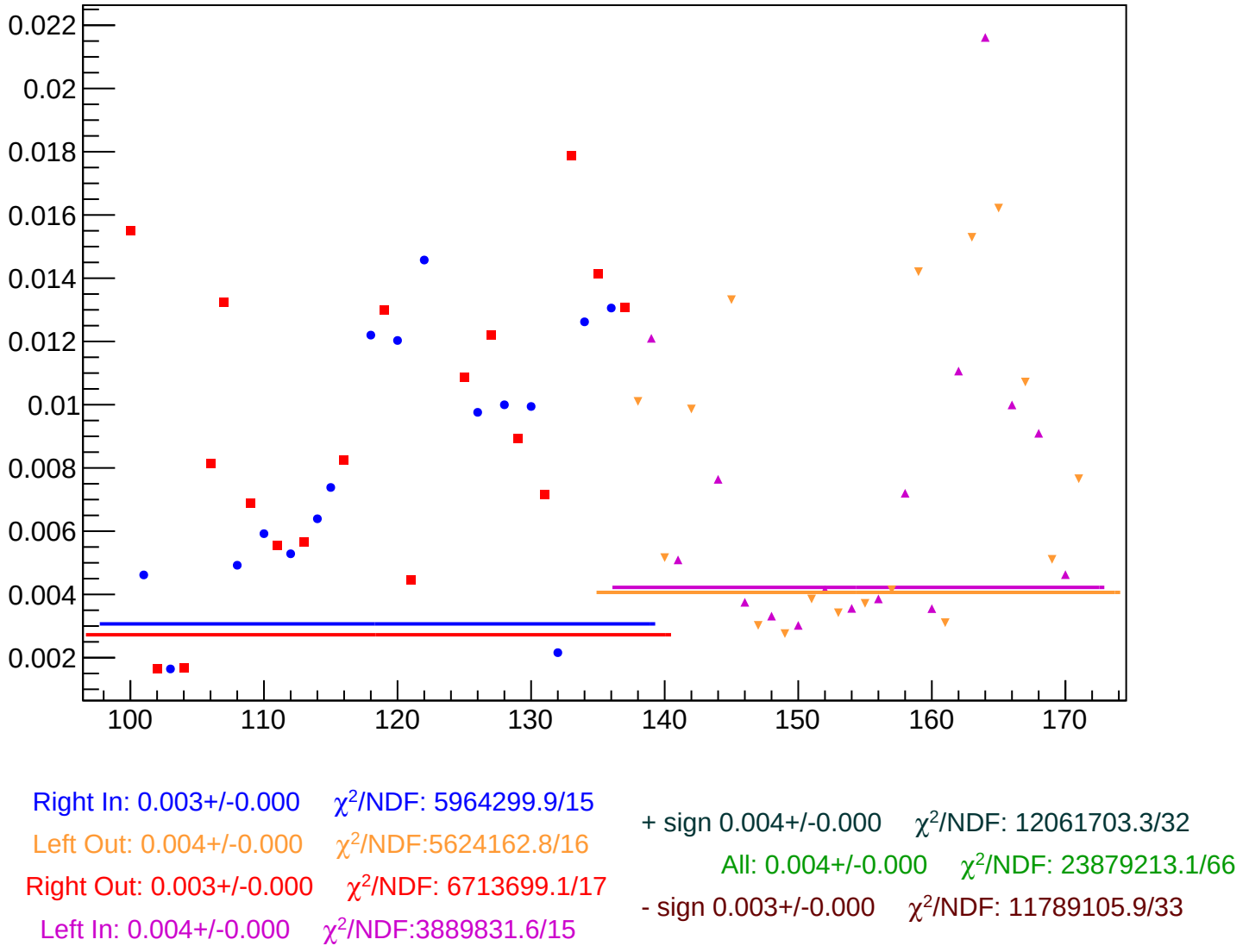
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: -0.000+/-0.000 χ^2/NDF:11.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/32

All: -0.000+/-0.000 χ^2/NDF: 72.2/66

- sign -0.000+/-0.000 χ^2/NDF: 26.6/33


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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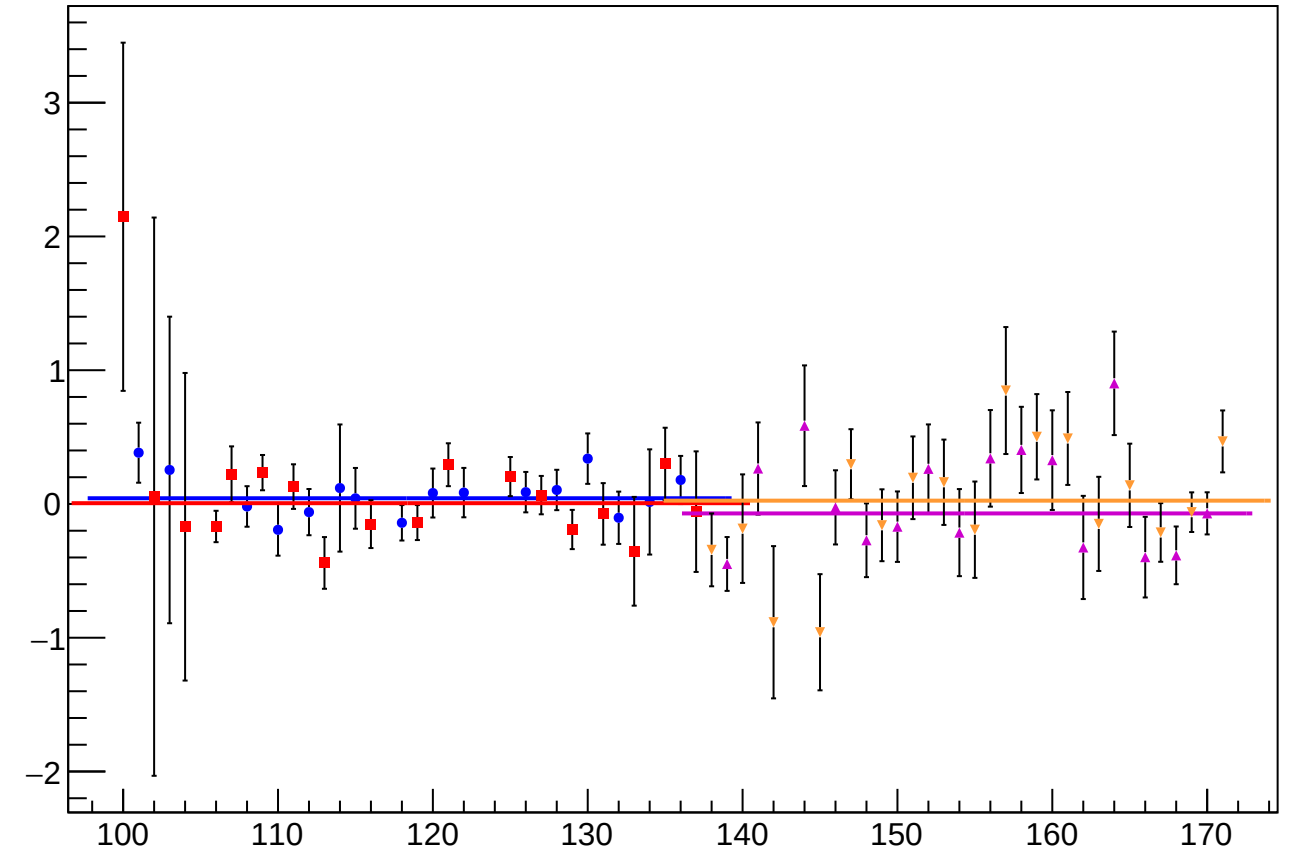
Right In: 0.003+/-0.000 χ²/NDF: 5964299.9/15
Left Out: 0.004+/-0.000 χ²/NDF:5624162.8/16
Right Out: 0.003+/-0.000 χ²/NDF: 6713699.1/17
Left In: 0.004+/-0.000 χ²/NDF:3889831.6/15
+ sign 0.004+/-0.000 χ²/NDF: 12061703.3/32
All: 0.004+/-0.000 χ²/NDF: 23879213.1/66
- sign 0.003+/-0.000 χ²/NDF: 11789105.9/33



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.025+/-0.069 χ^2/NDF:24.8/16

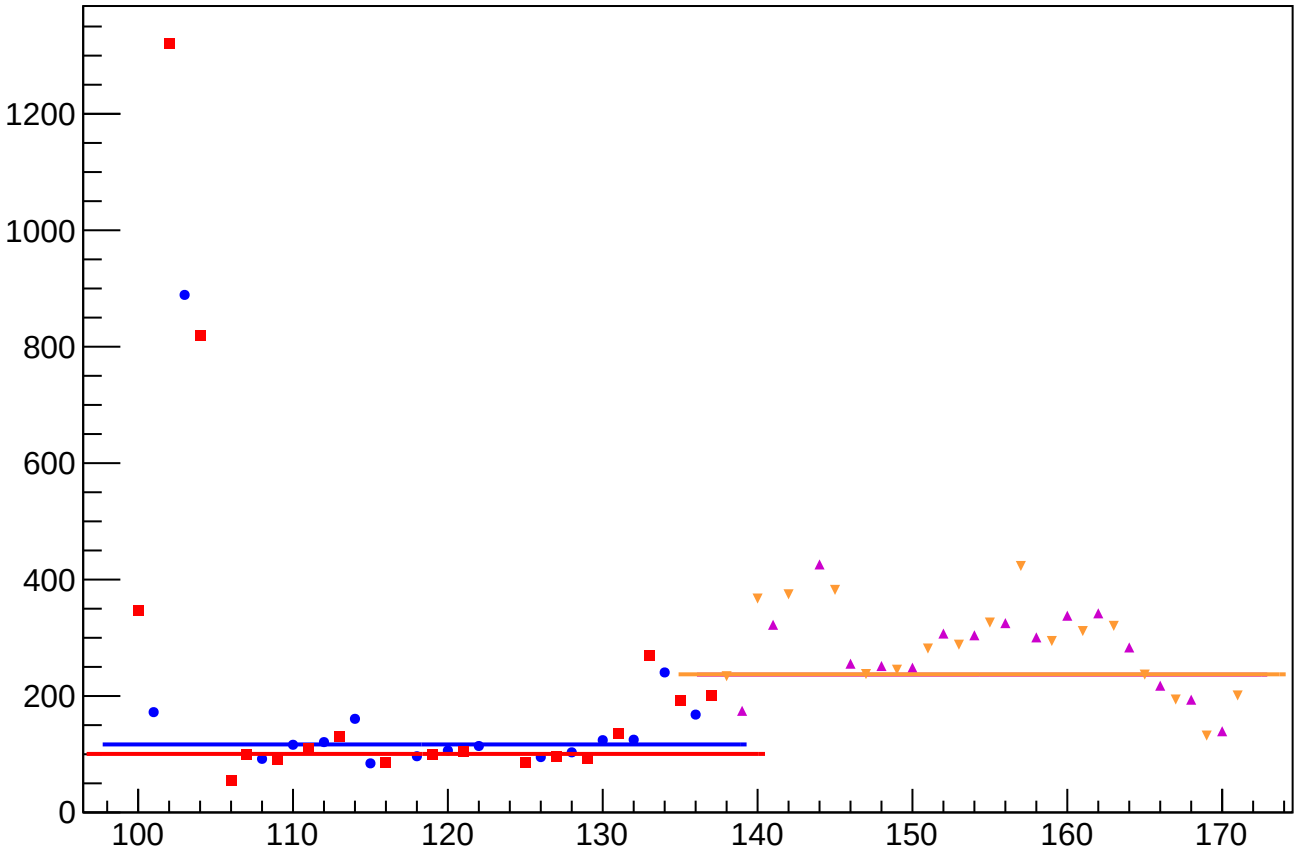
Right Out: 0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.071+/-0.069 χ^2/NDF:23.1/15

+ sign 0.037+/-0.039 χ^2/NDF: 35.1/32

All: 0.009+/-0.027 χ^2/NDF: 86.1/66

- sign -0.016+/-0.037 χ^2/NDF: 50.0/33



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 237.268+/-0.049 χ^2/NDF:2472297.1/16

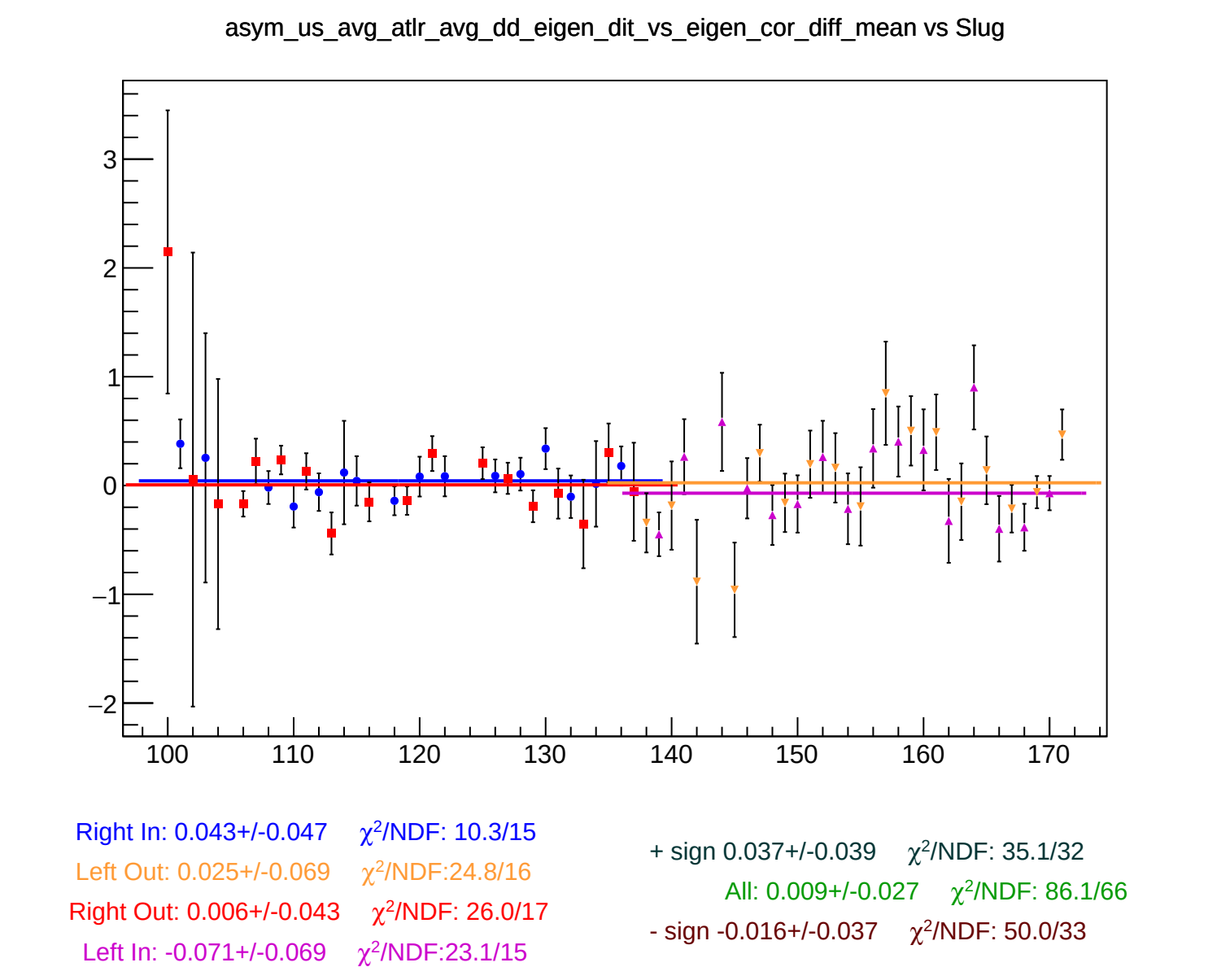
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.737+/-0.049 χ^2/NDF:2237154.6/15

+ sign 155.560+/-0.028 χ^2/NDF: 8232322.9/32

All: 146.684+/-0.019 χ^2/NDF: 18869621.3/66

- sign 138.829+/-0.026 χ^2/NDF: 10443010.5/33


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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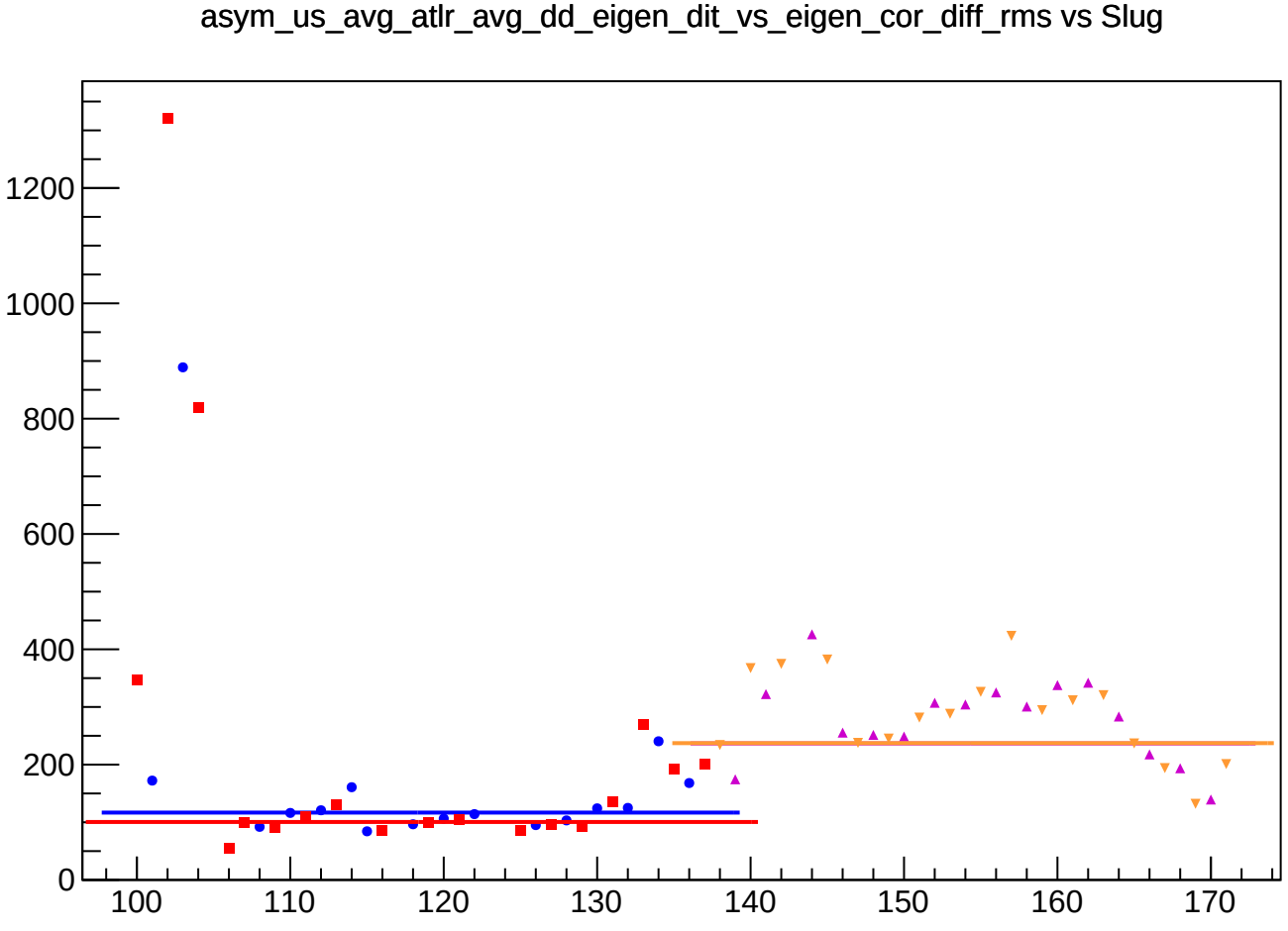
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.025+/-0.069 χ²/NDF:24.8/16
Right Out: 0.006+/-0.043 χ²/NDF: 26.0/17
Left In: -0.071+/-0.069 χ²/NDF:23.1/15
+ sign 0.037+/-0.039 χ²/NDF: 35.1/32
All: 0.009+/-0.027 χ²/NDF: 86.1/66
- sign -0.016+/-0.037 χ²/NDF: 50.0/33



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 237.268+/-0.049 χ^2/NDF:2472297.1/16

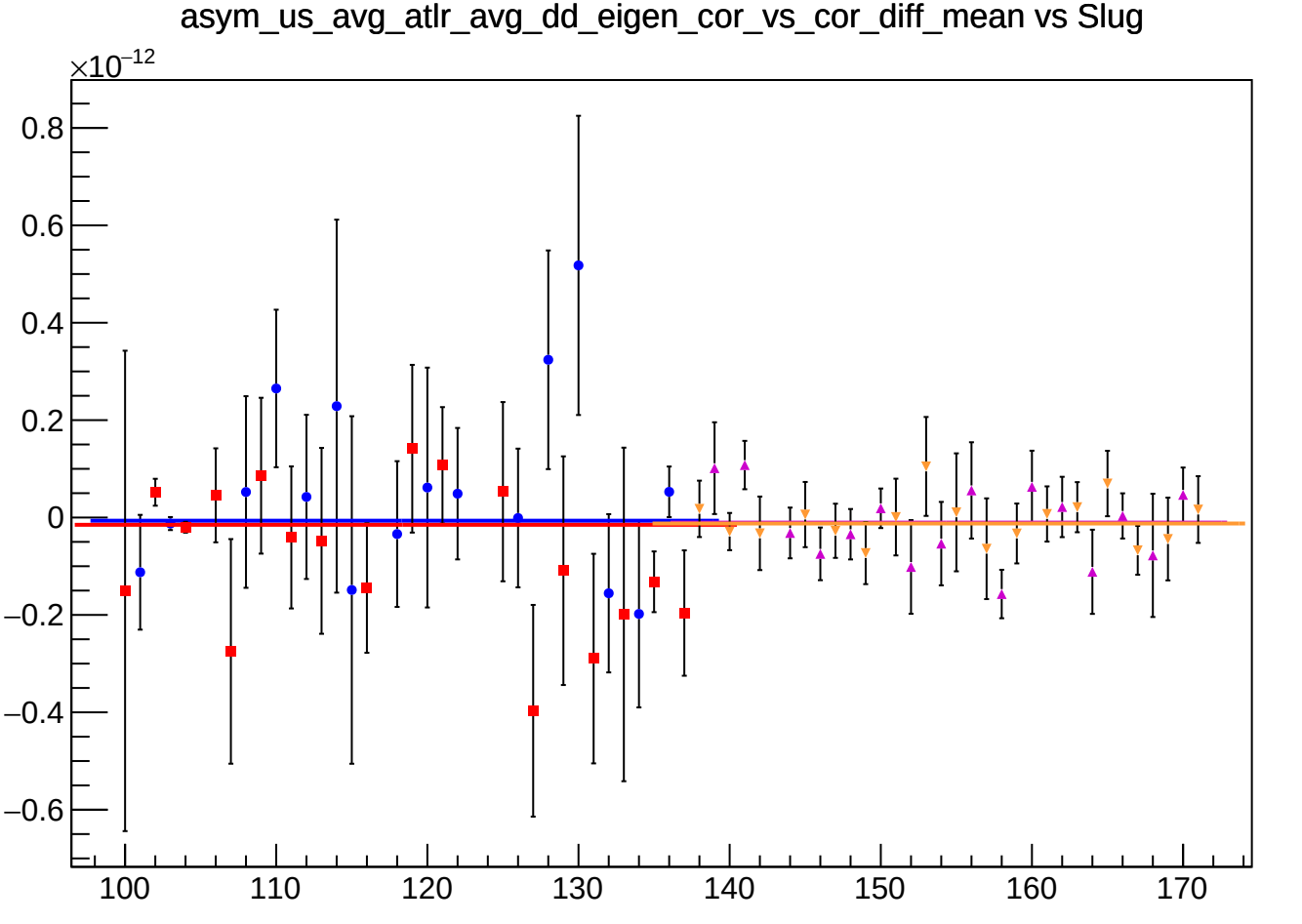
Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.737+/-0.049 χ^2/NDF:2237154.6/15

+ sign 155.560+/-0.028 χ^2/NDF: 8232322.9/32

All: 146.684+/-0.019 χ^2/NDF: 18869621.3/66

- sign 138.829+/-0.026 χ^2/NDF: 10443010.5/33



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/16

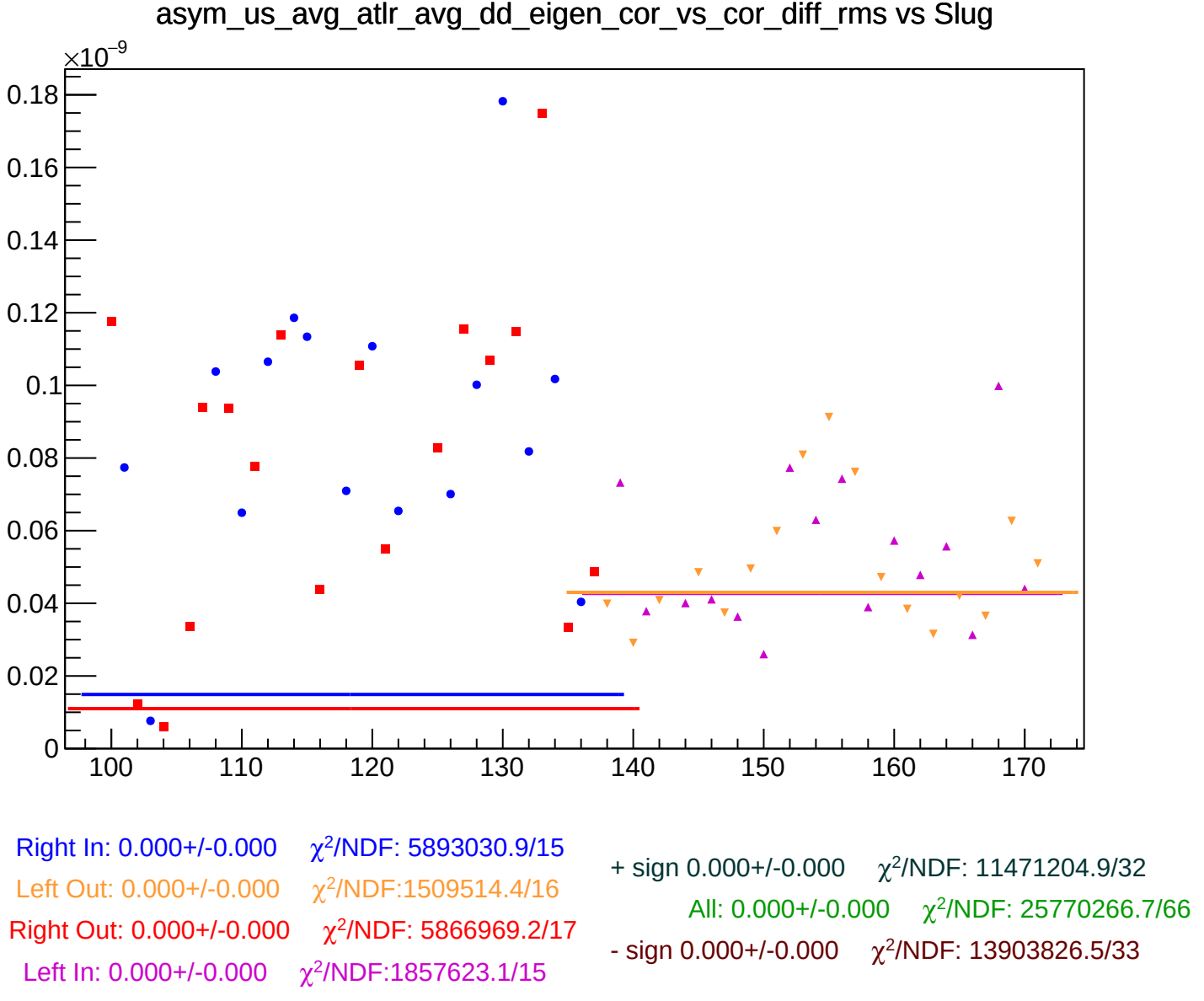
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:23.7/15

+ sign -0.000+/-0.000 χ^2/NDF: 20.0/32

All: -0.000+/-0.000 χ^2/NDF: 65.8/66

- sign -0.000+/-0.000 χ^2/NDF: 45.7/33


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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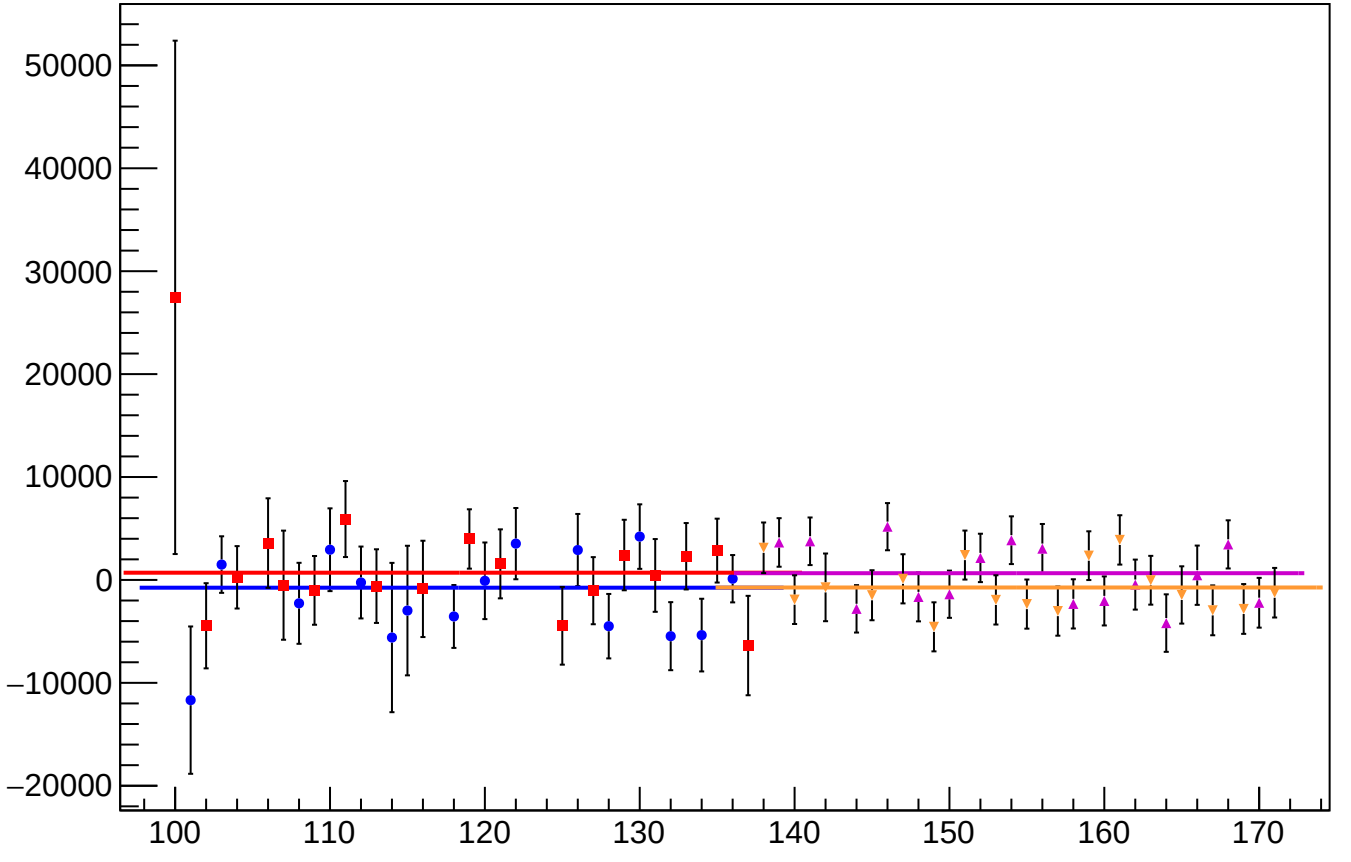
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1509514.4/16
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1857623.1/15
+ sign 0.000+/-0.000 χ²/NDF: 11471204.9/32
All: 0.000+/-0.000 χ²/NDF: 25770266.7/66
- sign 0.000+/-0.000 χ²/NDF: 13903826.5/33

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -734.275+/-594.280 χ^2/NDF:16.1/16

Right Out: 702.198+/-868.647 χ^2/NDF: 12.4/17

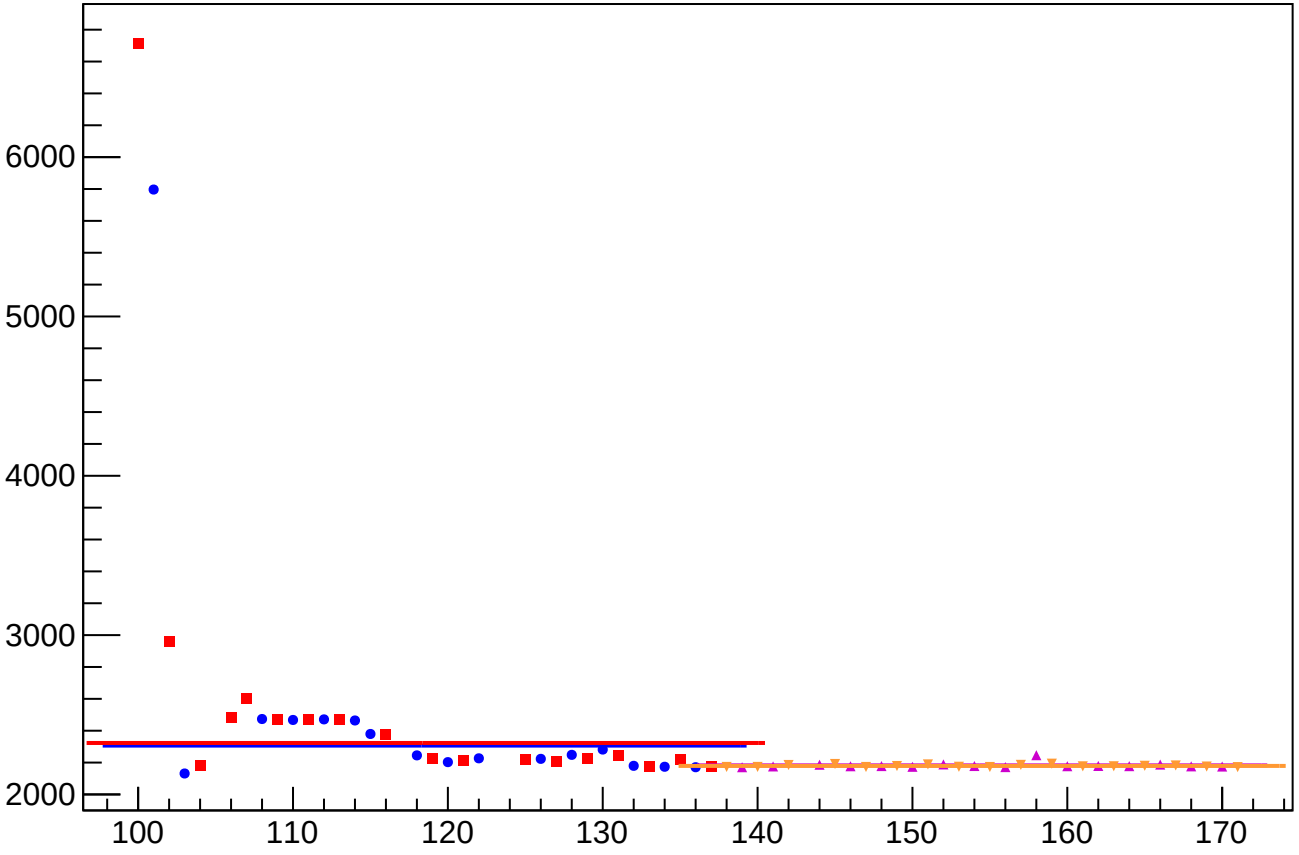
Left In: 654.464+/-600.200 χ^2/NDF:23.5/15

+ sign -740.617+/-491.196 χ^2/NDF: 32.0/32

All: -39.079+/-348.242 χ^2/NDF: 71.9/66

- sign 669.889+/-493.791 χ^2/NDF: 35.8/33

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.011+/-0.420 χ^2/NDF:274.2/16

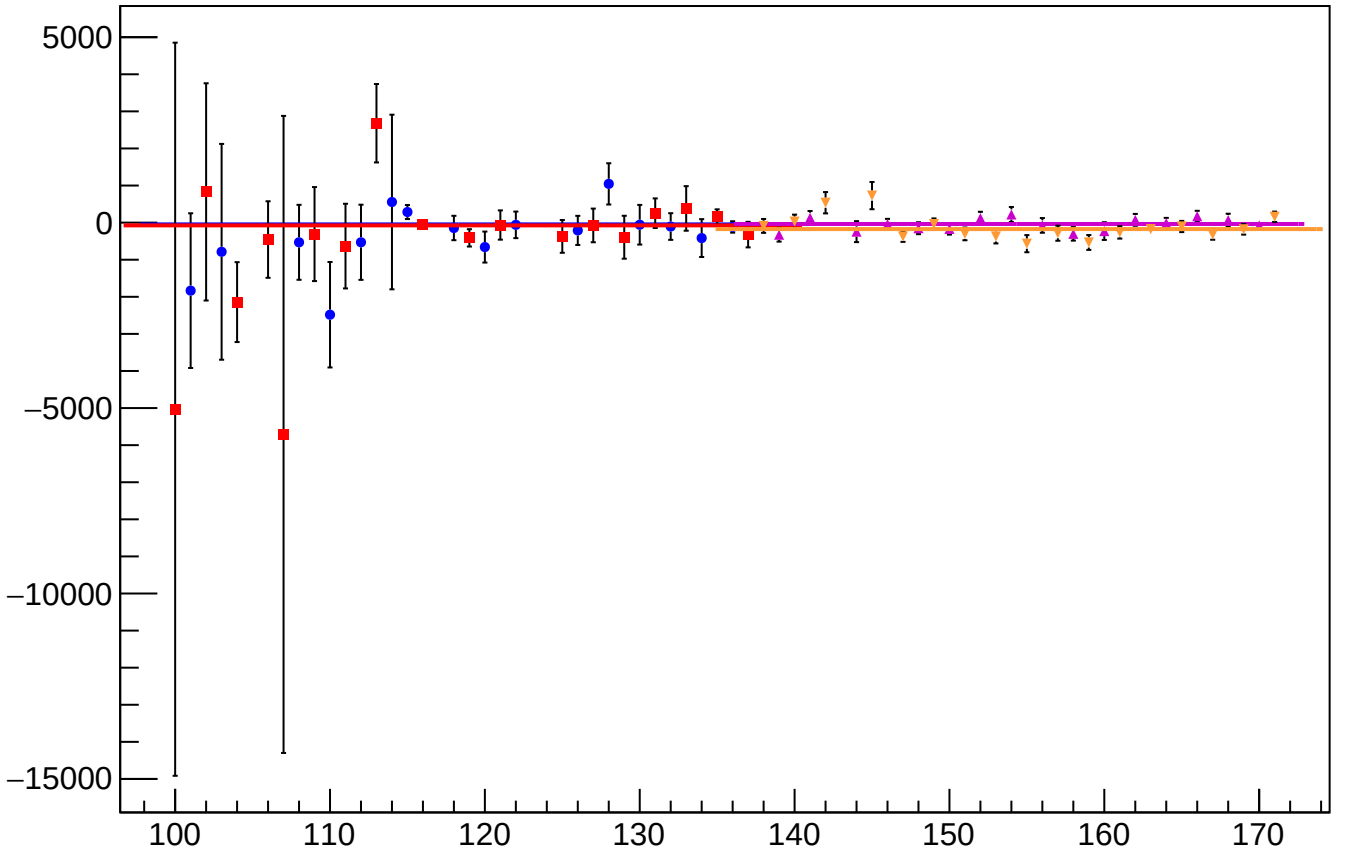
Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

+ sign 2219.449+/-0.347 χ^2/NDF: 543652.4/32

All: 2223.624+/-0.246 χ^2/NDF: 732857.1/66

- sign 2227.844+/-0.349 χ^2/NDF: 188914.2/33



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -173.830+/-41.254 χ^2/NDF:31.5/16

Right Out: -74.200+/-82.384 χ^2/NDF: 17.6/17

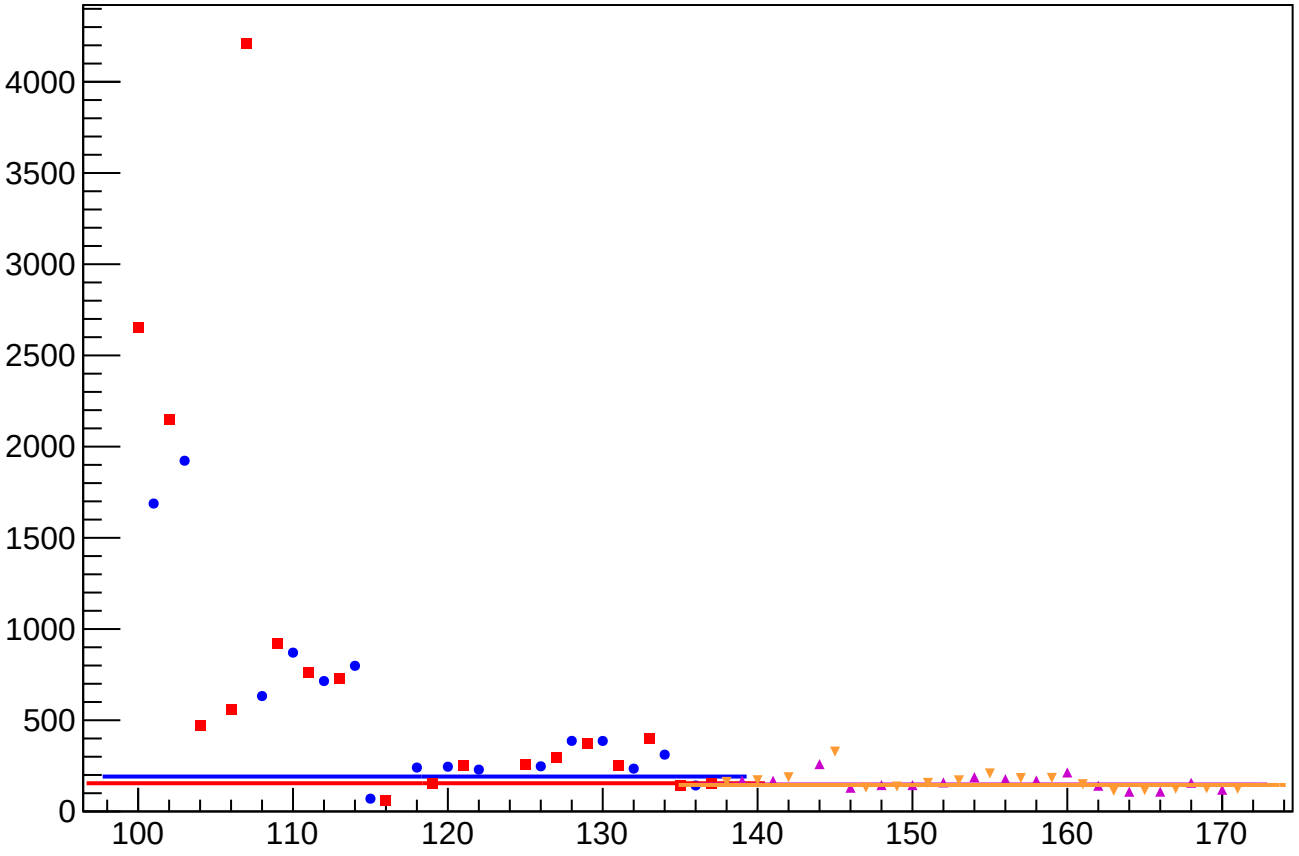
Left In: -36.241+/-42.251 χ^2/NDF:13.3/15

+ sign -152.333+/-37.567 χ^2/NDF: 47.4/32

All: -98.280+/-26.574 χ^2/NDF: 82.7/66

- sign -44.146+/-37.595 χ^2/NDF: 31.1/33

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 145.270+/-0.029 χ^2/NDF:1273976.4/16

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

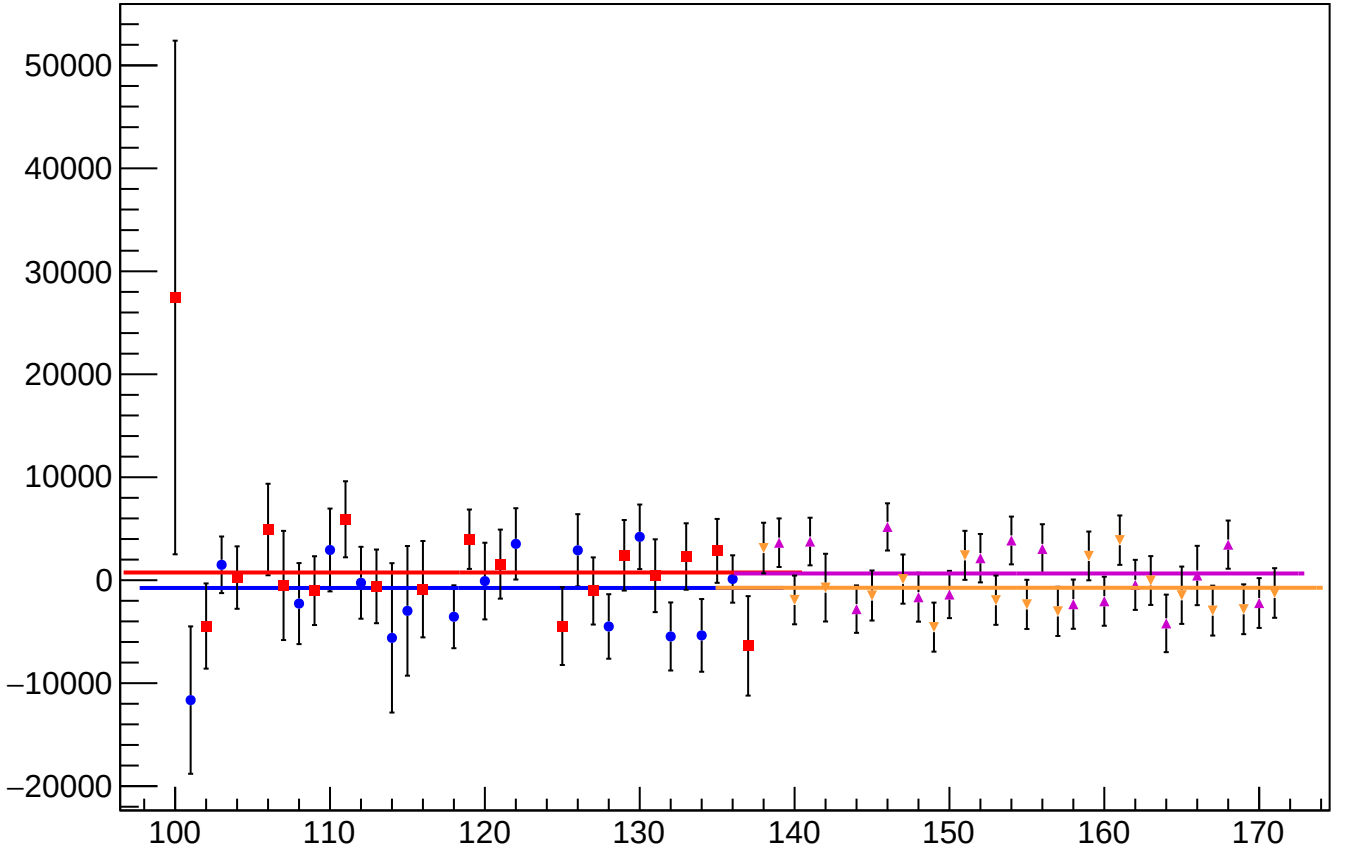
Left In: 147.912+/-0.030 χ^2/NDF:1113688.1/15

+ sign 153.143+/-0.027 χ^2/NDF: 6765361.9/32

All: 151.233+/-0.019 χ^2/NDF: 14054356.6/66

- sign 149.321+/-0.027 χ^2/NDF: 7278650.2/33

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -734.231+/-594.280 χ^2/NDF:16.1/16

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

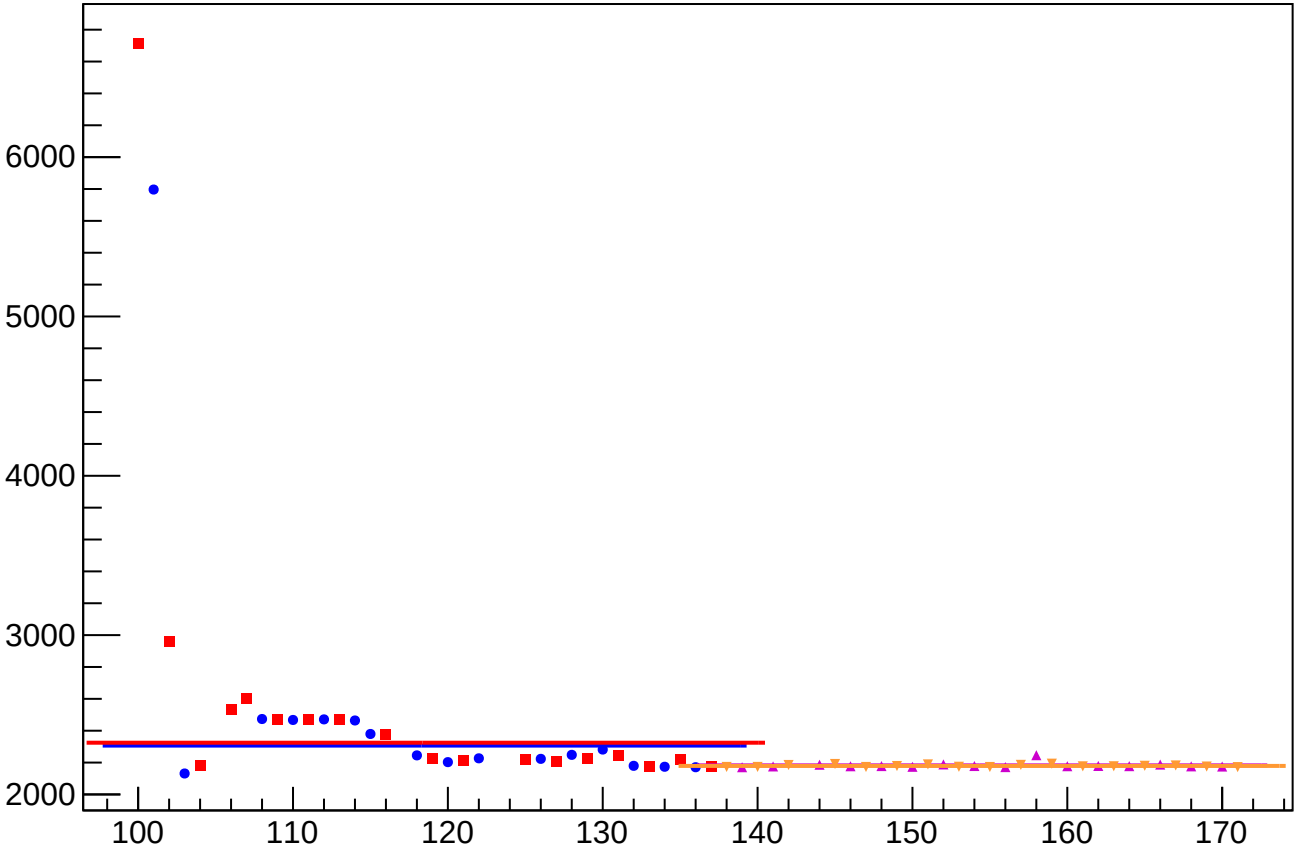
Left In: 654.407+/-600.200 χ^2/NDF:23.5/15

+ sign -740.280+/-491.196 χ^2/NDF: 32.0/32

All: -31.563+/-348.288 χ^2/NDF: 72.5/66

- sign 685.042+/-493.923 χ^2/NDF: 36.3/33

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.011+/-0.420 χ^2/NDF:274.2/16

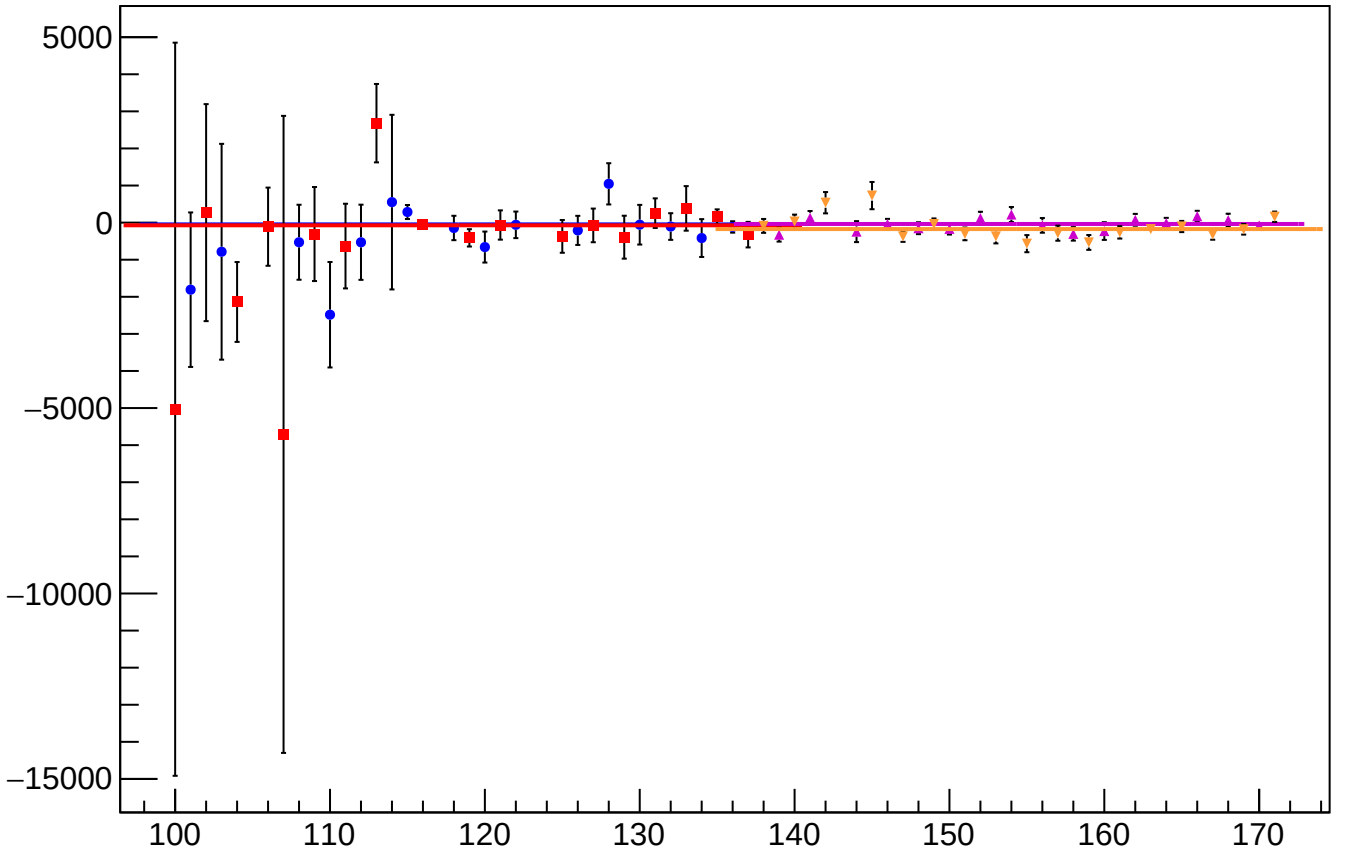
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

+ sign 2219.449+/-0.347 χ^2/NDF: 543652.7/32

All: 2223.866+/-0.246 χ^2/NDF: 735492.7/66

- sign 2228.333+/-0.349 χ^2/NDF: 191514.6/33



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.834+/-41.255 χ^2/NDF:31.4/16

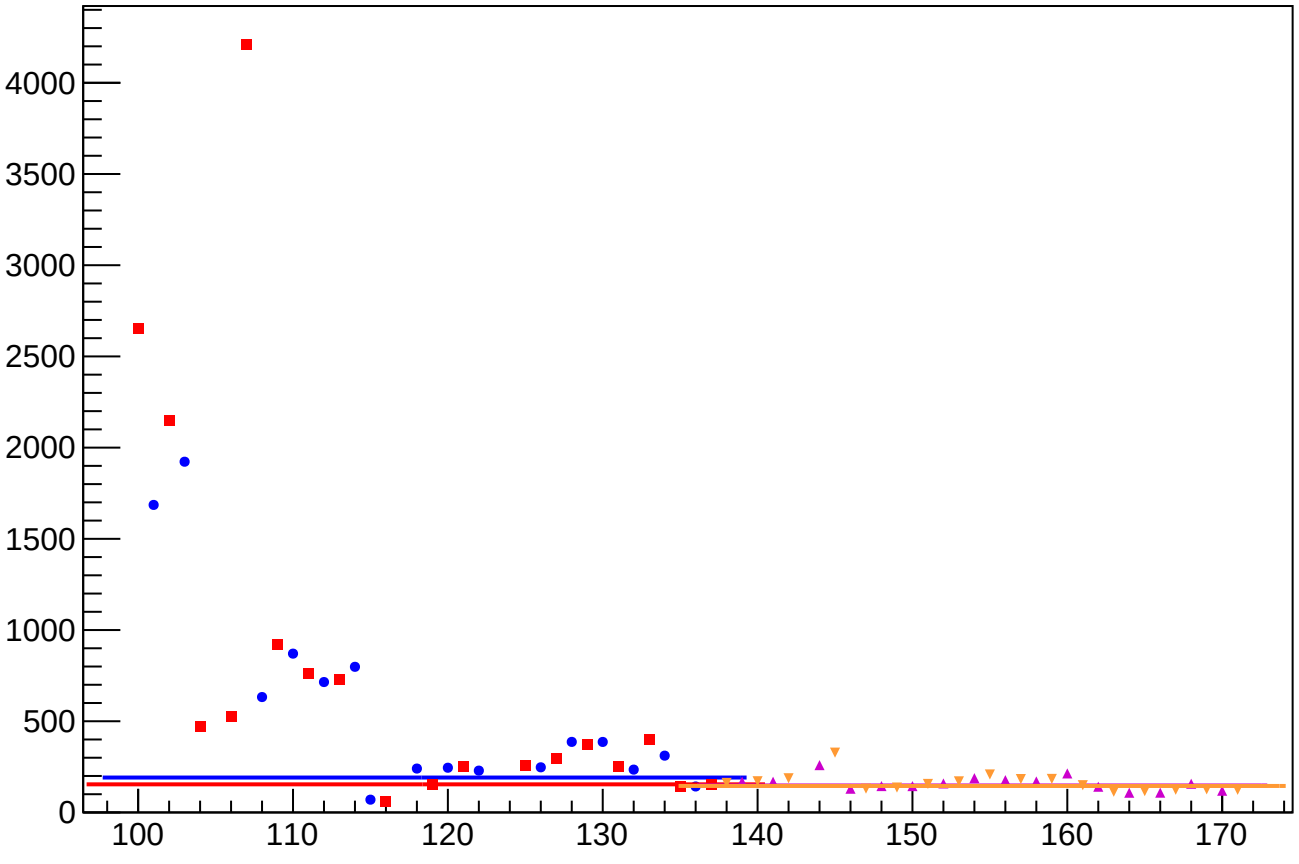
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -36.178+/-42.254 χ^2/NDF:13.3/15

+ sign -152.343+/-37.568 χ^2/NDF: 47.4/32

All: -98.049+/-26.573 χ^2/NDF: 82.4/66

- sign -43.688+/-37.591 χ^2/NDF: 30.9/33



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 145.272+/-0.029 χ^2/NDF:1274145.6/16

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

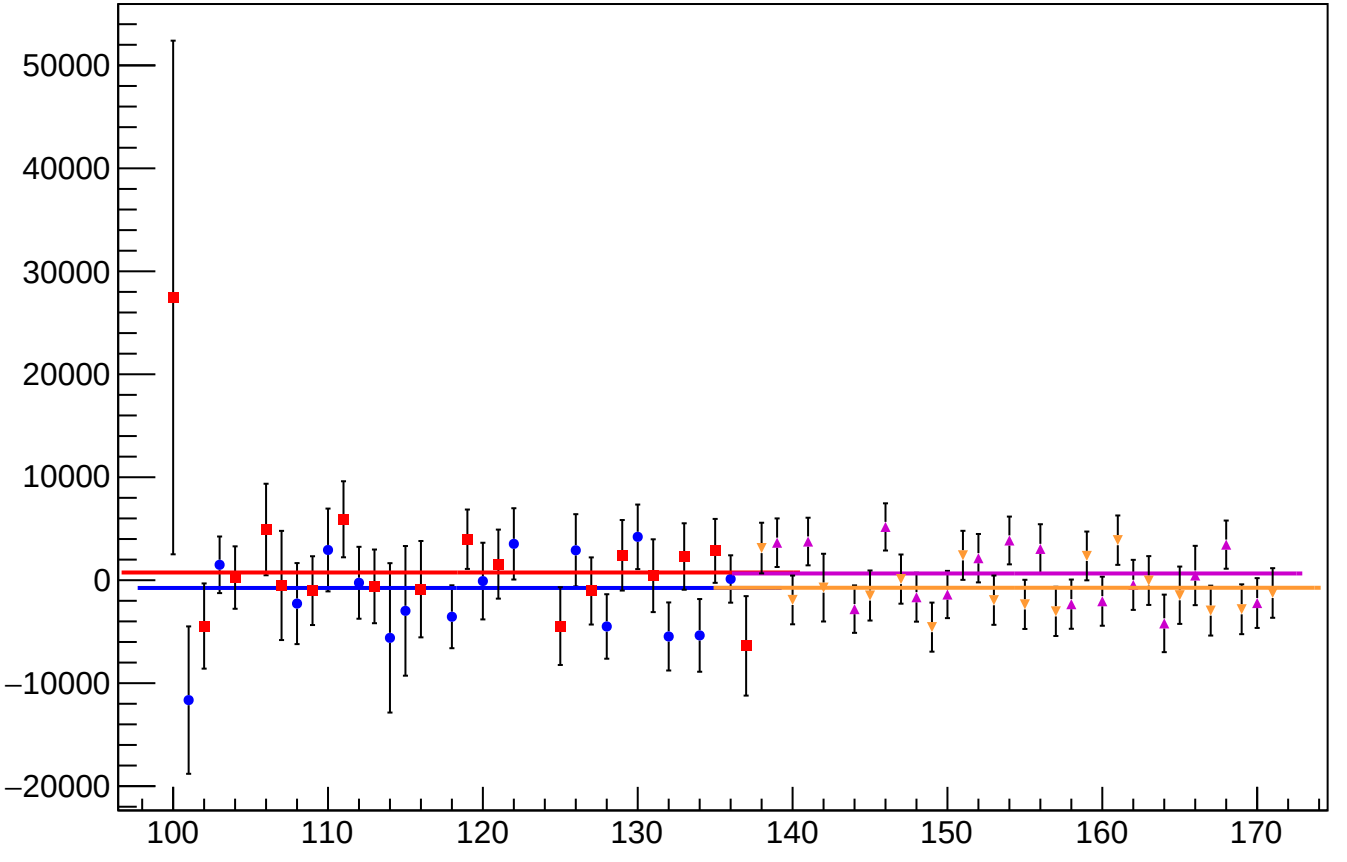
Left In: 147.921+/-0.030 χ^2/NDF:1114026.8/15

+ sign 153.148+/-0.027 χ^2/NDF: 6764753.4/32

All: 151.182+/-0.019 χ^2/NDF: 14007388.2/66

- sign 149.214+/-0.027 χ^2/NDF: 7231671.7/33

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: -734.231+/-594.280 χ^2/NDF:16.1/16

Right Out: 749.316+/-869.366 χ^2/NDF: 12.8/17

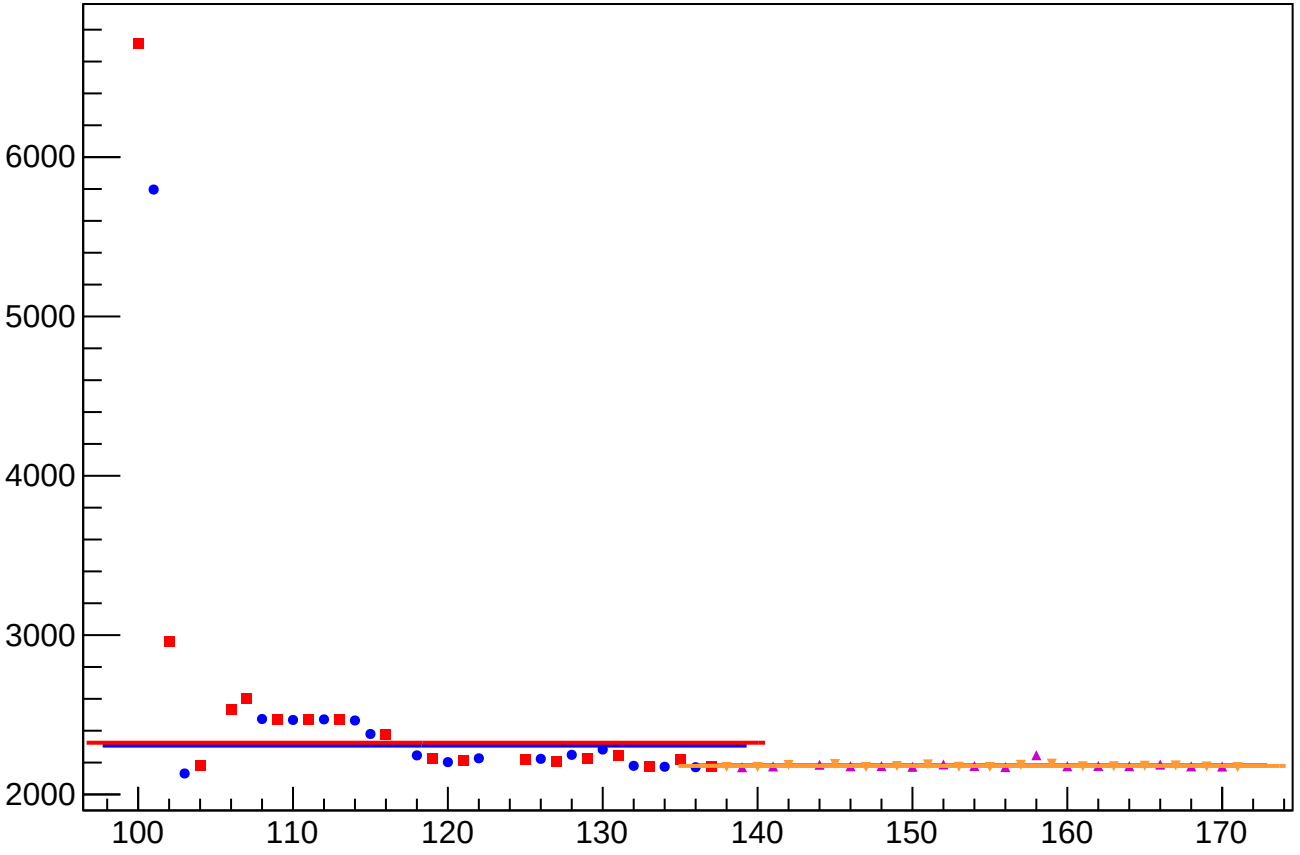
Left In: 654.407+/-600.200 χ^2/NDF:23.5/15

+ sign -740.280+/-491.196 χ^2/NDF: 32.0/32

All: -31.563+/-348.288 χ^2/NDF: 72.5/66

- sign 685.042+/-493.923 χ^2/NDF: 36.3/33

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: 2179.011+/-0.420 χ^2/NDF:274.2/16

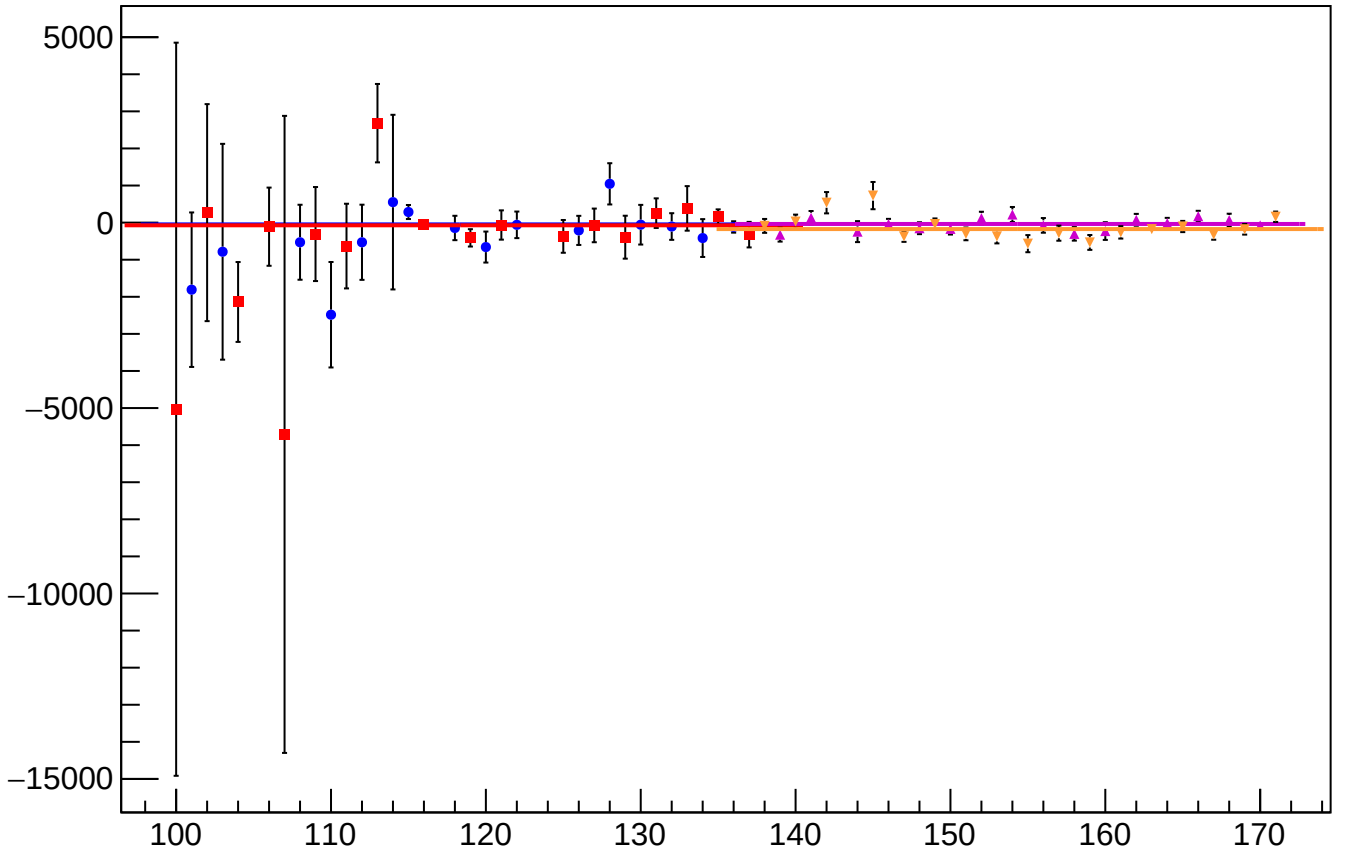
Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2182.408+/-0.424 χ^2/NDF:1660.2/15

+ sign 2219.449+/-0.347 χ^2/NDF: 543652.7/32

All: 2223.866+/-0.246 χ^2/NDF: 735492.7/66

- sign 2228.333+/-0.349 χ^2/NDF: 191514.6/33



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -173.834+/-41.255 χ^2/NDF:31.4/16

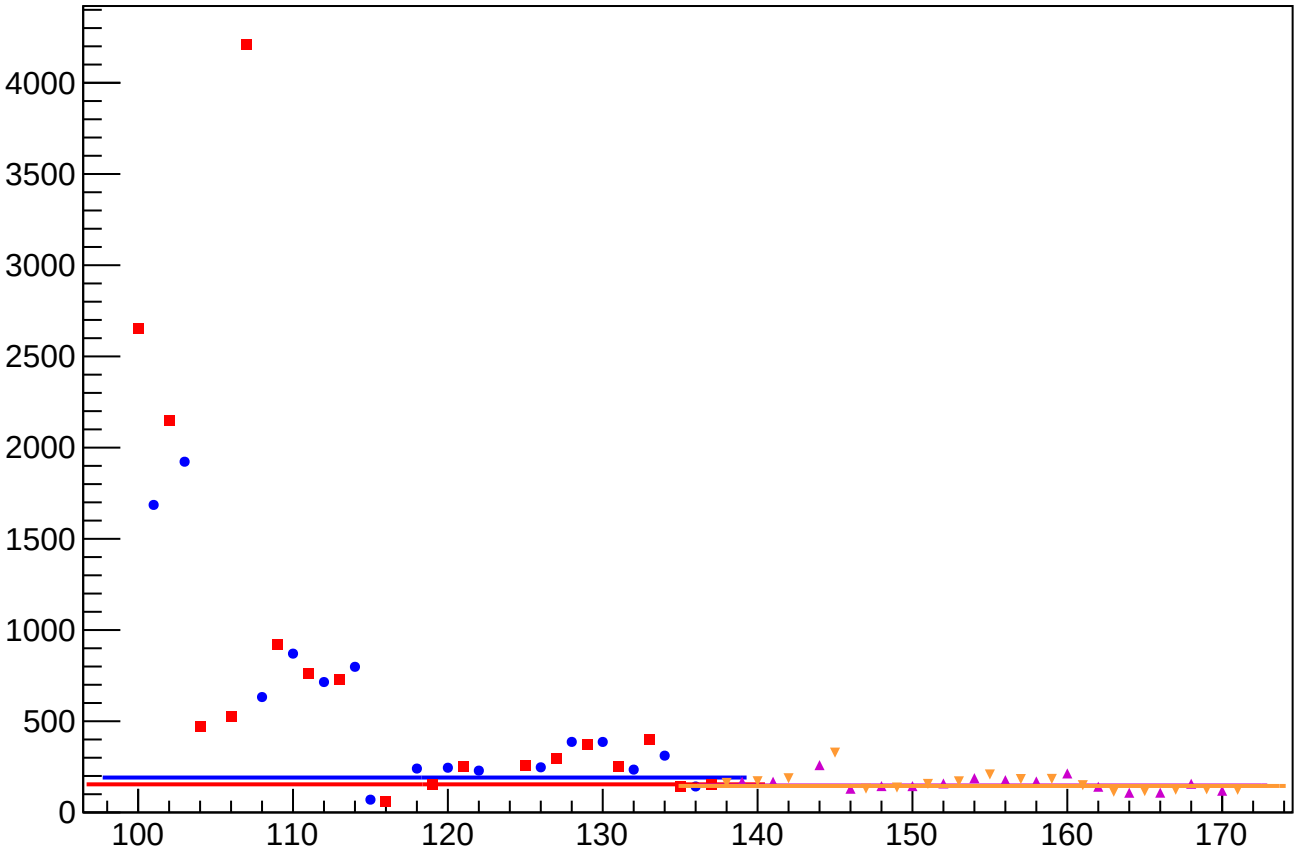
Right Out: -72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: -36.178+/-42.254 χ^2/NDF:13.3/15

+ sign -152.343+/-37.568 χ^2/NDF: 47.4/32

All: -98.049+/-26.573 χ^2/NDF: 82.4/66

- sign -43.688+/-37.591 χ^2/NDF: 30.9/33



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 145.272+/-0.029 χ^2/NDF:1274145.6/16

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

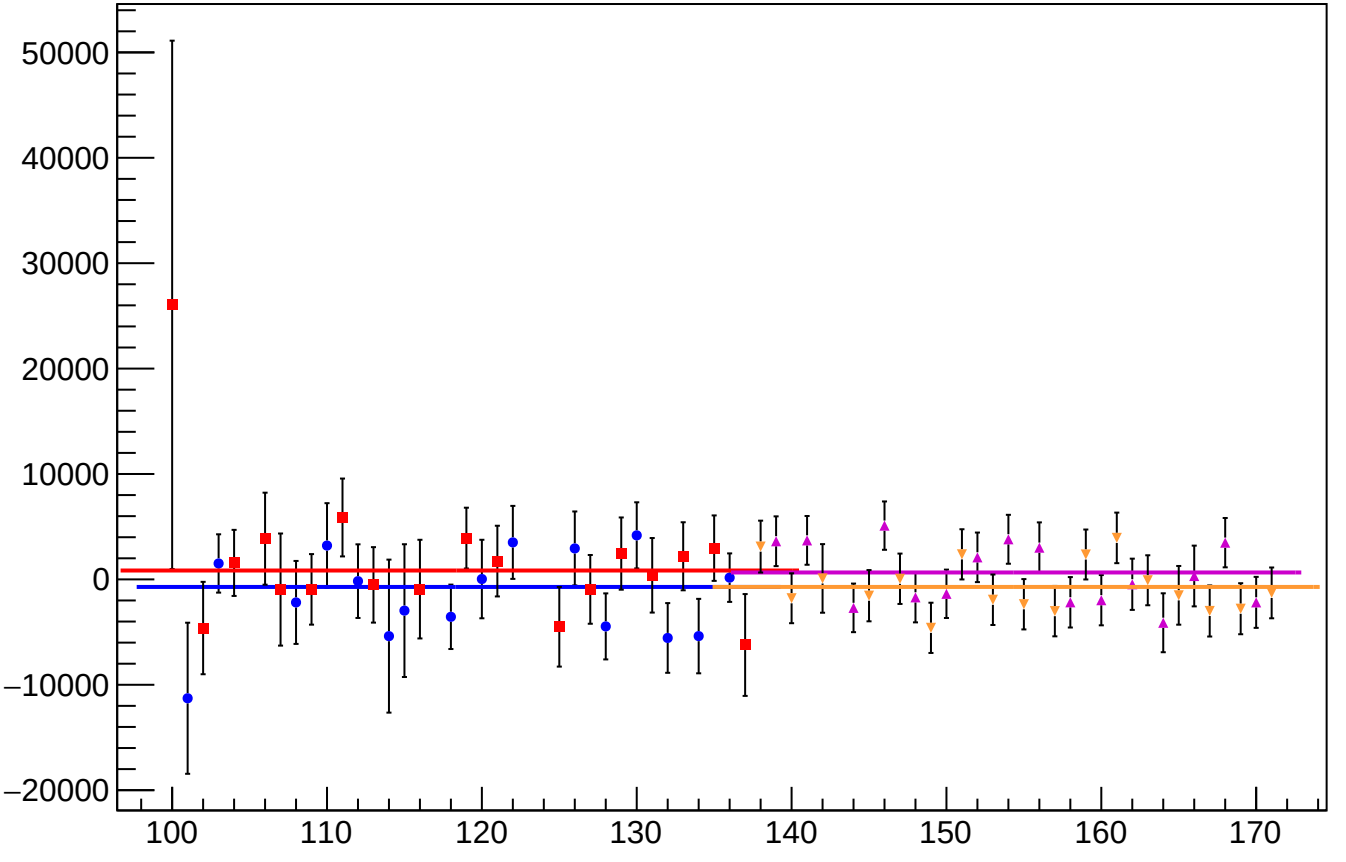
Left In: 147.921+/-0.030 χ^2/NDF:1114026.8/15

+ sign 153.148+/-0.027 χ^2/NDF: 6764753.4/32

All: 151.182+/-0.019 χ^2/NDF: 14007388.2/66

- sign 149.214+/-0.027 χ^2/NDF: 7231671.7/33

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -715.882+/-594.271 χ^2/NDF:16.2/16

Right Out: 842.157+/-873.586 χ^2/NDF: 12.2/17

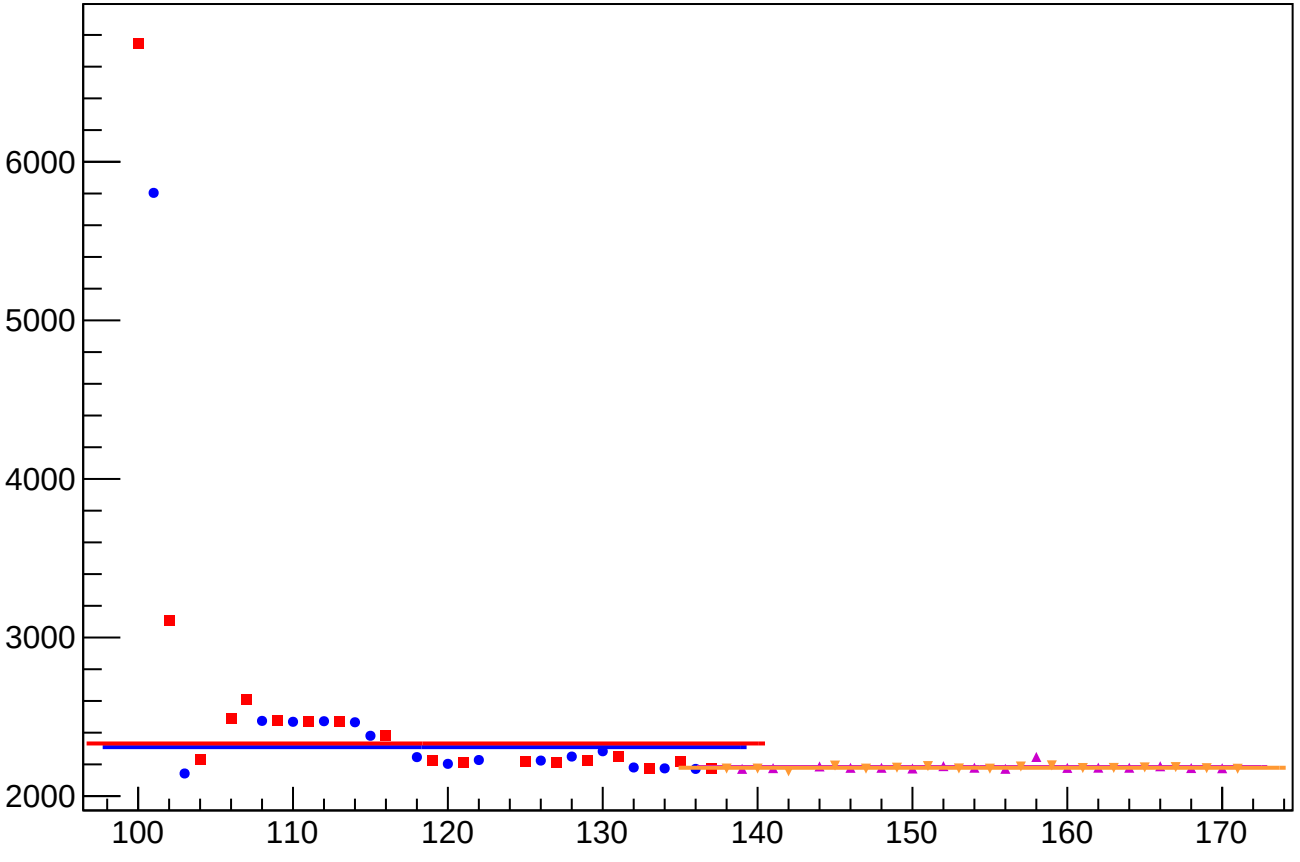
Left In: 655.889+/-600.415 χ^2/NDF:22.7/15

+ sign -716.279+/-491.349 χ^2/NDF: 32.0/32

All: -5.345+/-348.655 χ^2/NDF: 71.2/66

- sign 715.649+/-494.813 χ^2/NDF: 34.9/33

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.784+/-0.420 χ^2/NDF:368.9/16

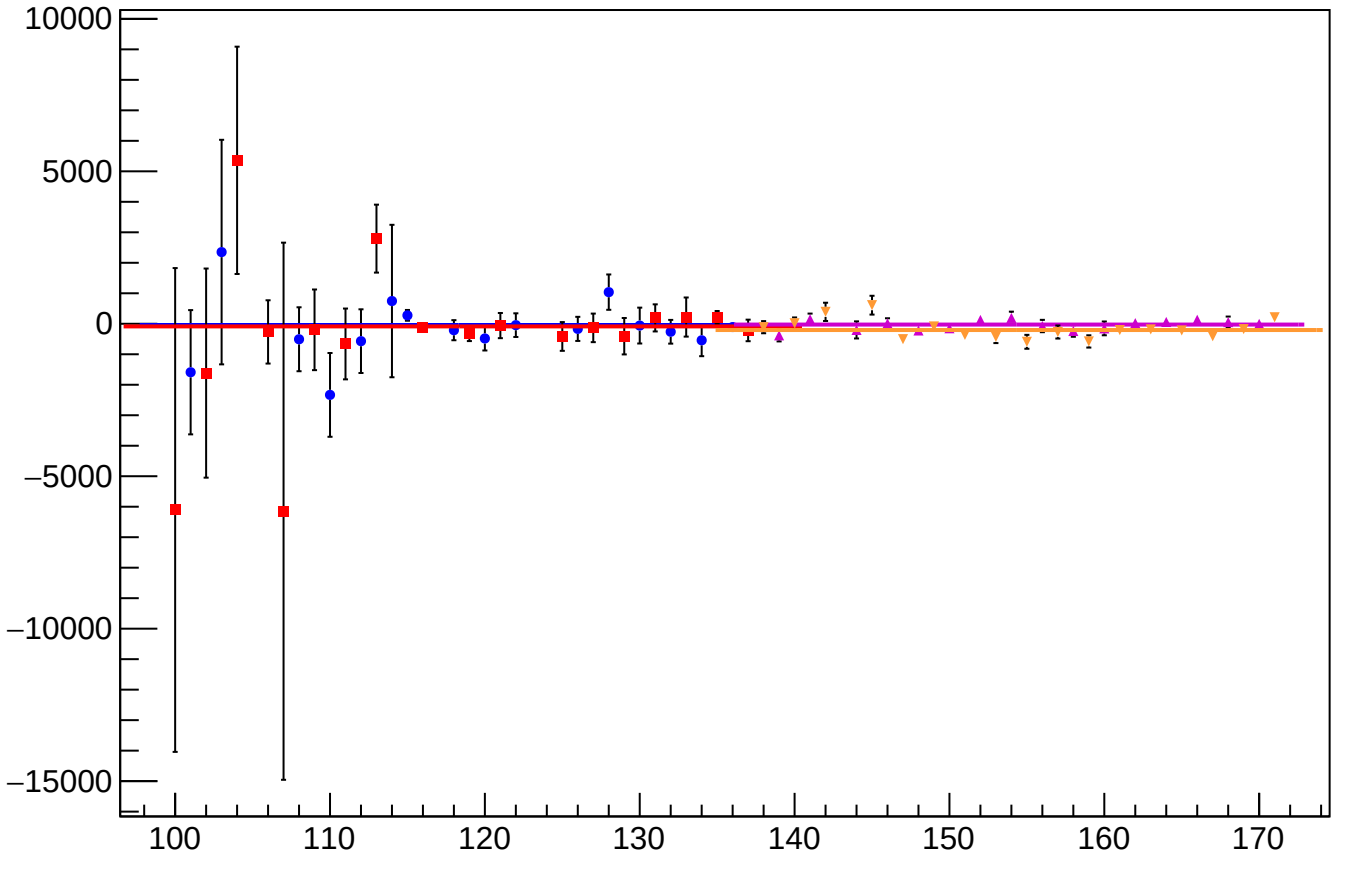
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.190+/-0.425 χ^2/NDF:1652.7/15

+ sign 2219.900+/-0.347 χ^2/NDF: 544370.6/32

All: 2225.354+/-0.247 χ^2/NDF: 753176.8/66

- sign 2230.884+/-0.350 χ^2/NDF: 208309.9/33



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -205.338+/-41.532 χ^2/NDF:36.1/16

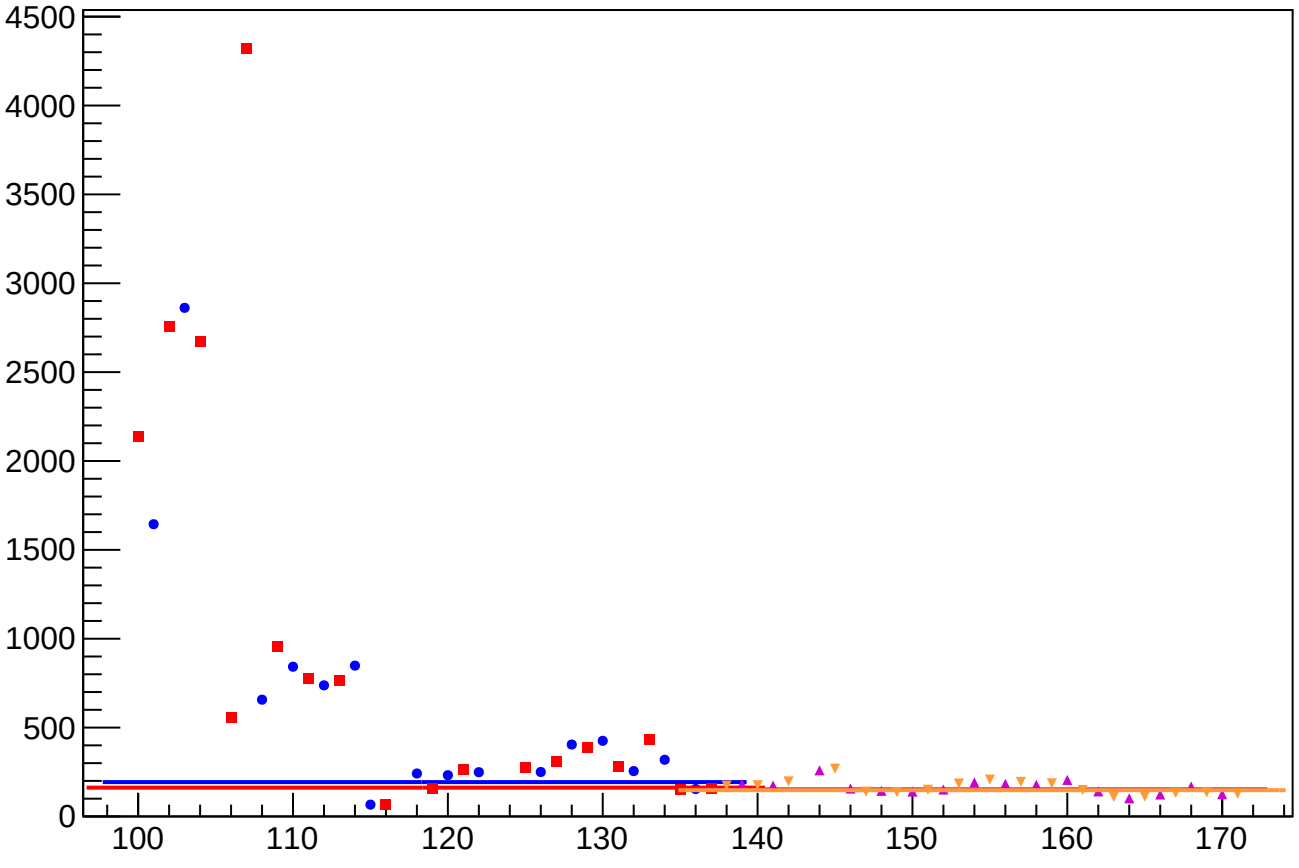
Right Out: -86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: -26.091+/-43.065 χ^2/NDF:12.0/15

+ sign -177.573+/-37.882 χ^2/NDF: 52.8/32

All: -109.020+/-27.008 χ^2/NDF: 86.8/66

- sign -38.158+/-38.515 χ^2/NDF: 27.3/33



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 147.811+/-0.029 χ^2/NDF:1214022.9/16

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

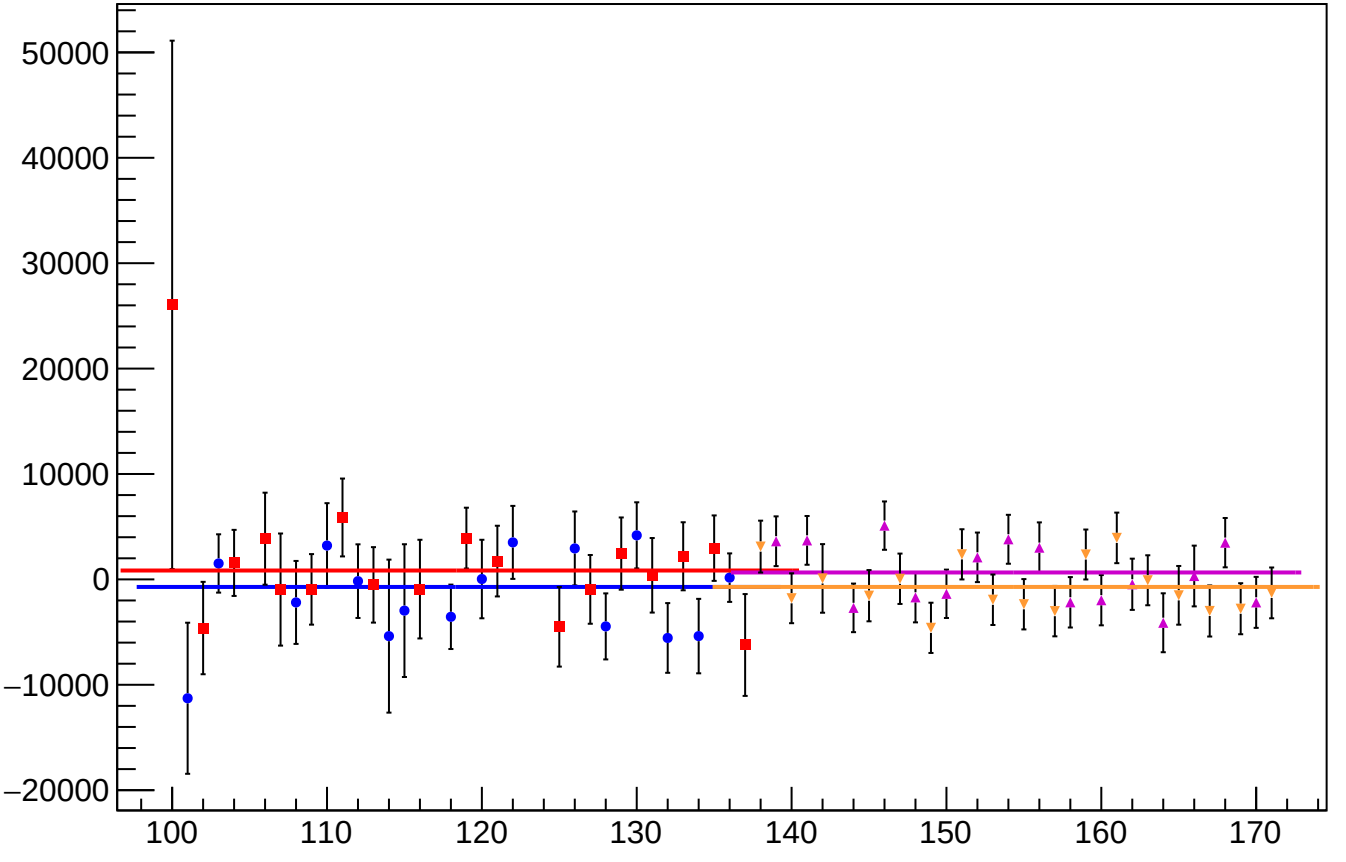
Left In: 152.613+/-0.030 χ^2/NDF:1109517.5/15

+ sign 155.448+/-0.027 χ^2/NDF: 7234271.4/32

All: 154.989+/-0.019 χ^2/NDF: 15434360.0/66

- sign 154.515+/-0.027 χ^2/NDF: 8199491.9/33

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: -715.884+/-594.271 χ^2/NDF:16.2/16

Right Out: 842.159+/-873.586 χ^2/NDF: 12.2/17

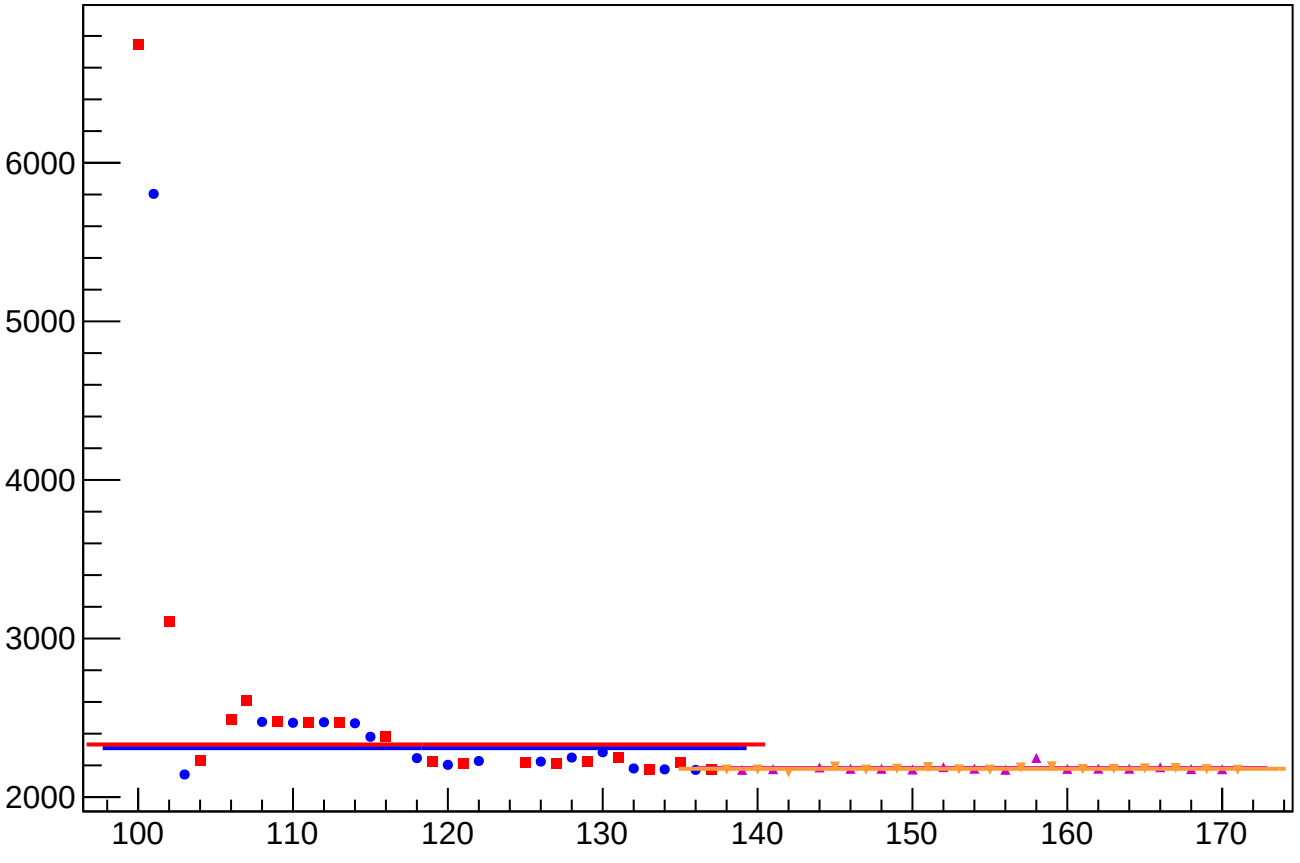
Left In: 655.888+/-600.415 χ^2/NDF:22.7/15

+ sign -716.280+/-491.349 χ^2/NDF: 32.0/32

All: -5.346+/-348.655 χ^2/NDF: 71.2/66

- sign 715.649+/-494.813 χ^2/NDF: 34.9/33

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: 2178.784+/-0.420 χ^2/NDF:368.9/16

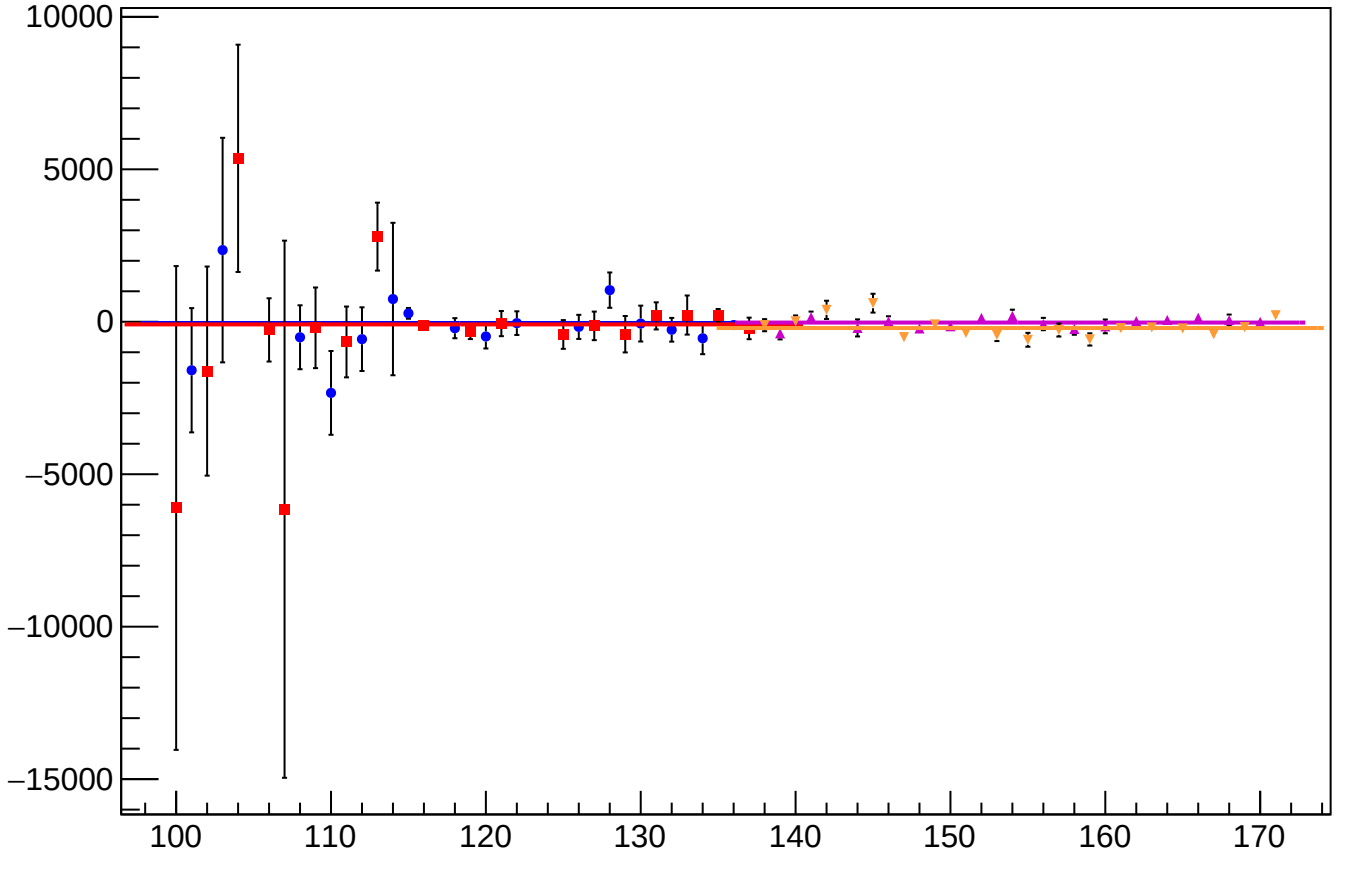
Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.190+/-0.425 χ^2/NDF:1652.7/15

+ sign 2219.900+/-0.347 χ^2/NDF: 544370.7/32

All: 2225.354+/-0.247 χ^2/NDF: 753176.7/66

- sign 2230.884+/-0.350 χ^2/NDF: 208309.8/33



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -205.339+/-41.532 χ^2/NDF:36.1/16

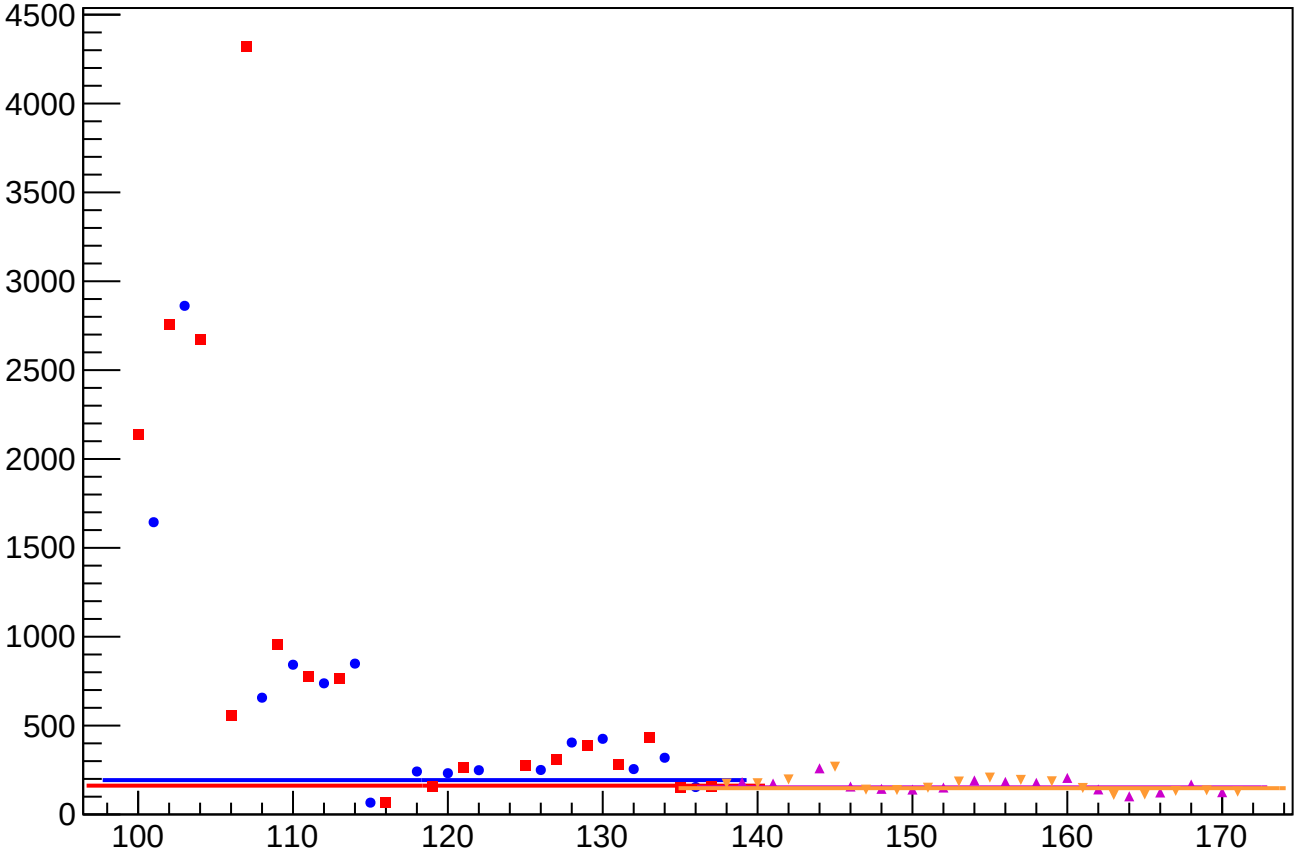
Right Out: -86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: -26.090+/-43.066 χ^2/NDF:12.0/15

+ sign -177.572+/-37.882 χ^2/NDF: 52.8/32

All: -109.020+/-27.008 χ^2/NDF: 86.8/66

- sign -38.157+/-38.515 χ^2/NDF: 27.3/33



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 147.811+/-0.029 χ^2/NDF:1214055.4/16

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

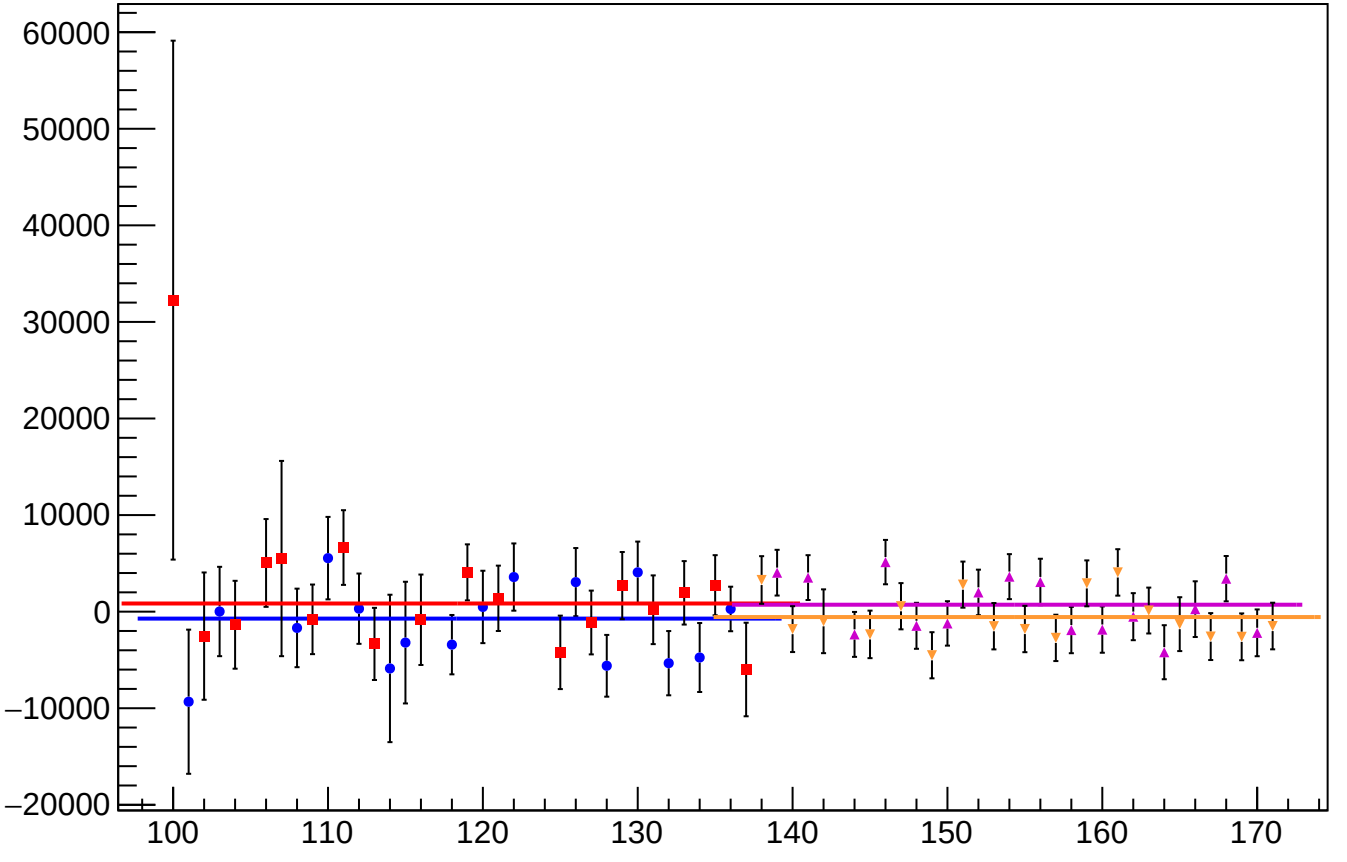
Left In: 152.613+/-0.030 χ^2/NDF:1109561.0/15

+ sign 155.447+/-0.027 χ^2/NDF: 7234308.4/32

All: 154.989+/-0.019 χ^2/NDF: 15434489.9/66

- sign 154.514+/-0.027 χ^2/NDF: 8199584.7/33

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -559.129+/-596.339 χ^2/NDF:17.0/16

Right Out: 844.810+/-928.703 χ^2/NDF: 12.9/17

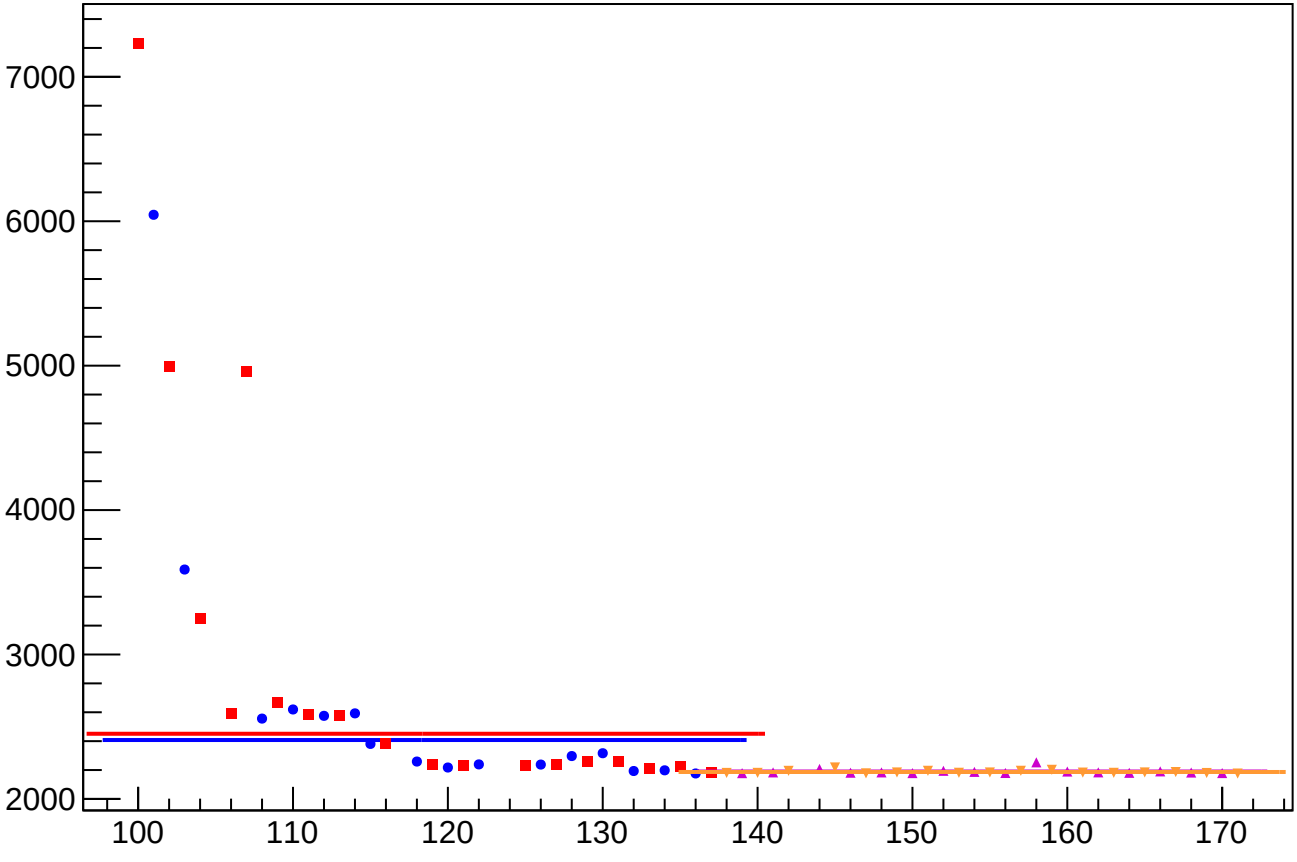
Left In: 718.194+/-602.255 χ^2/NDF:21.7/15

+ sign -606.869+/-499.799 χ^2/NDF: 32.8/32

All: 66.941+/-355.342 χ^2/NDF: 71.1/66

- sign 755.678+/-505.305 χ^2/NDF: 34.7/33

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2186.546+/-0.422 χ^2/NDF:618.1/16

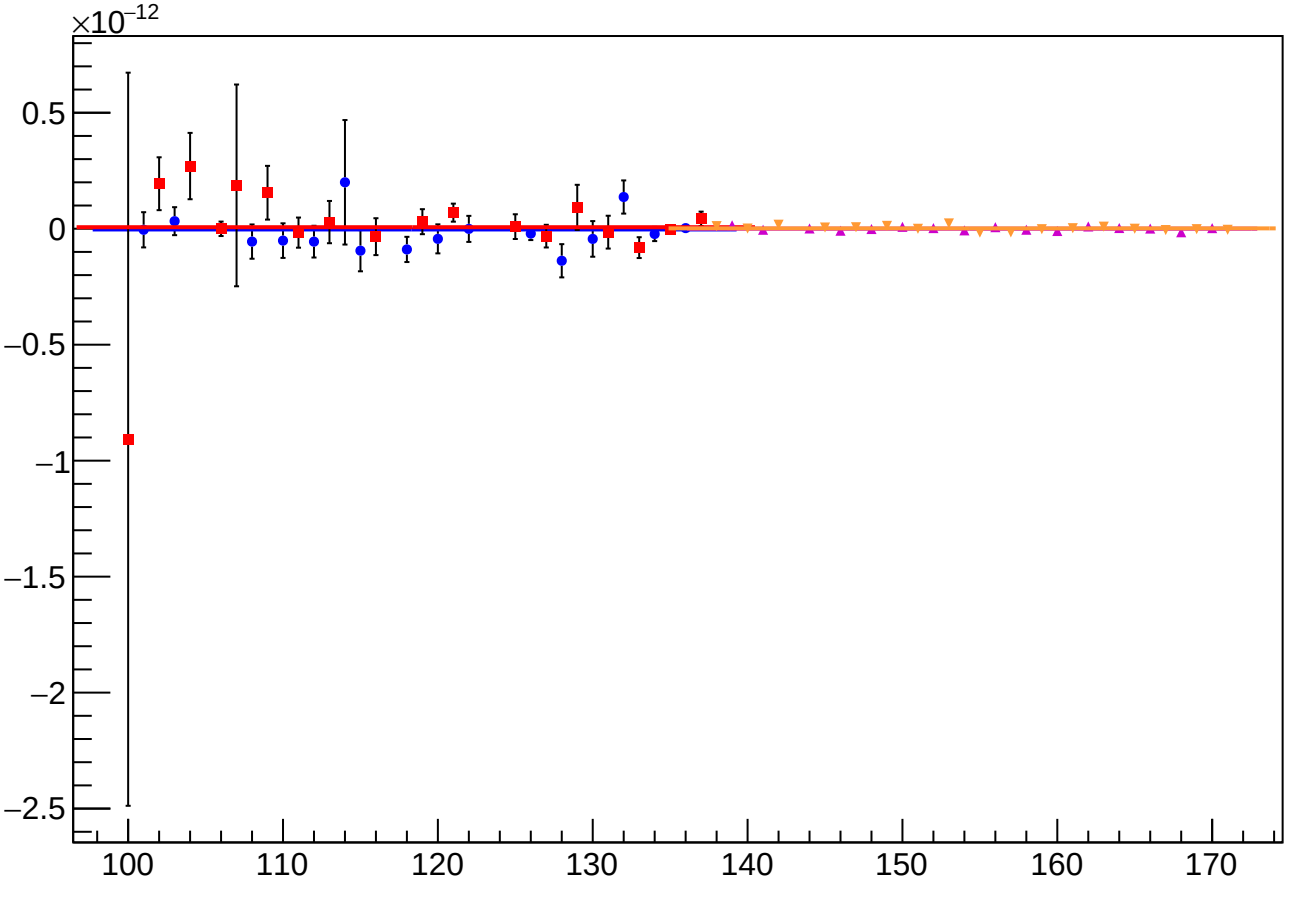
Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2189.873+/-0.426 χ^2/NDF:1798.3/15

+ sign 2252.382+/-0.353 χ^2/NDF: 759429.3/32

All: 2259.727+/-0.251 χ^2/NDF: 1507170.3/66

- sign 2267.234+/-0.357 χ^2/NDF: 746867.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/16

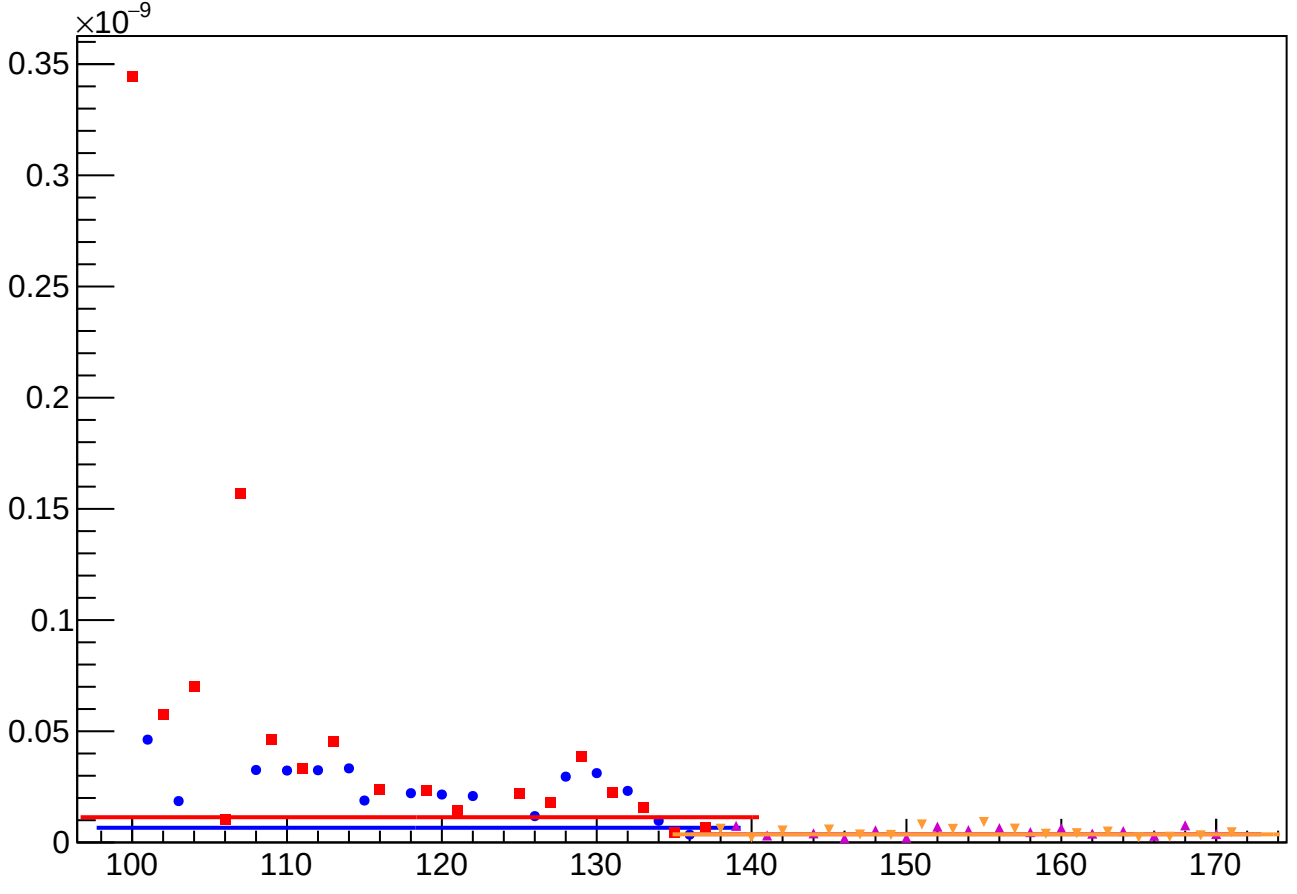
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:12.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/32

All: 0.000+/-0.000 χ^2/NDF: 63.6/66

- sign 0.000+/-0.000 χ^2/NDF: 31.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1438619.3/16

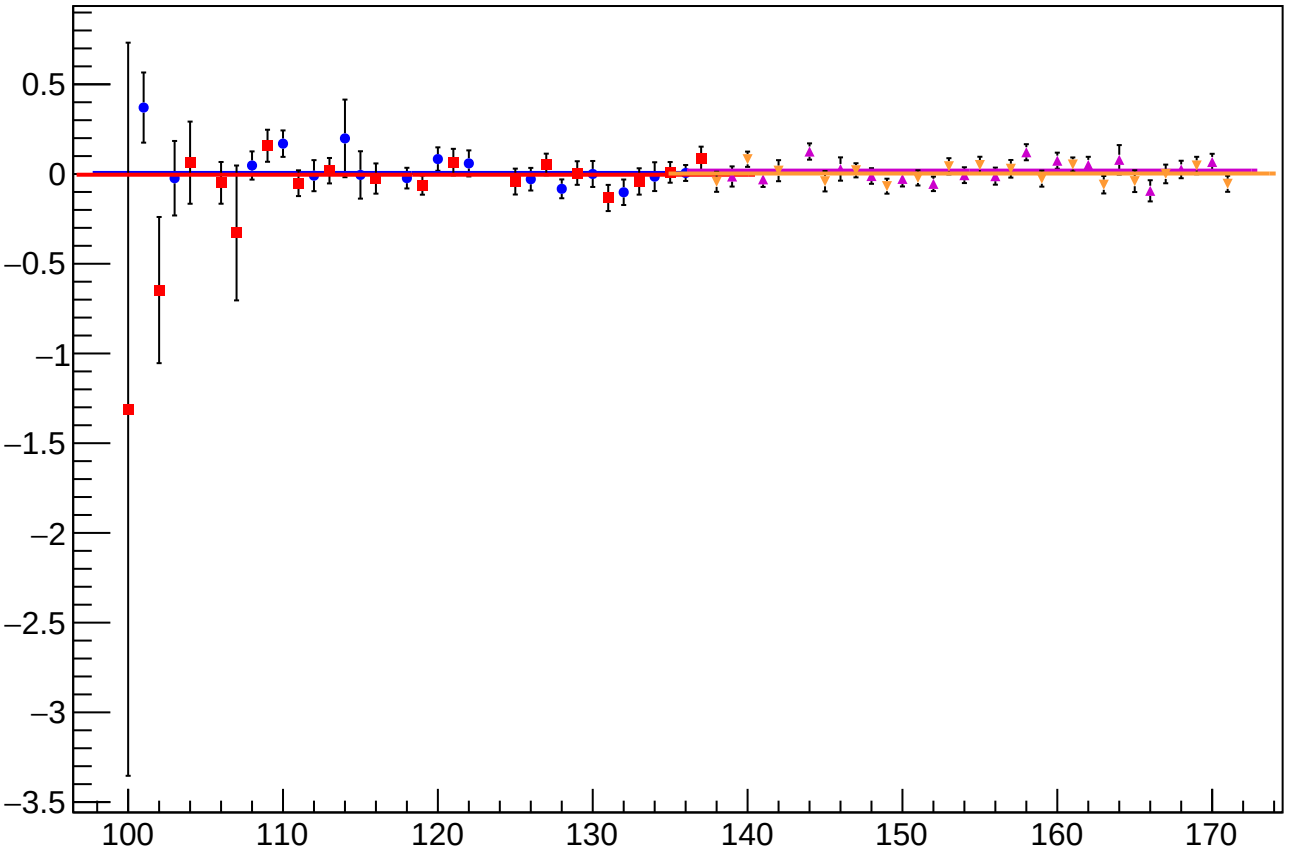
Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1355702.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 4700286.0/32

All: 0.000+/-0.000 χ^2/NDF: 9929603.1/66

- sign 0.000+/-0.000 χ^2/NDF: 5222855.9/33



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.011 χ^2/NDF:17.0/16

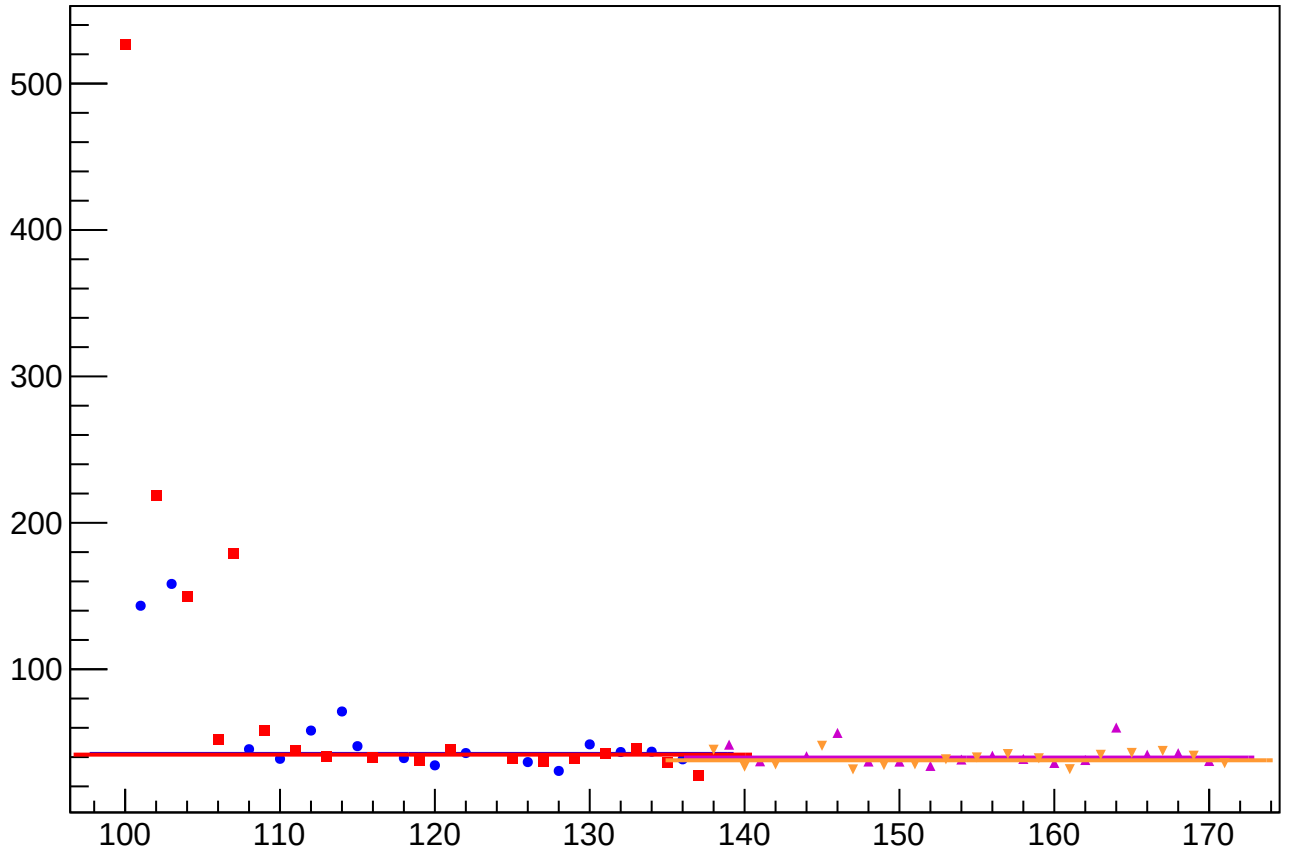
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.012 χ^2/NDF:25.4/15

+ sign 0.004+/-0.010 χ^2/NDF: 34.3/32

All: 0.008+/-0.007 χ^2/NDF: 77.4/66

- sign 0.012+/-0.010 χ^2/NDF: 42.8/33



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.827+/-0.008 χ^2/NDF:327488.8/16

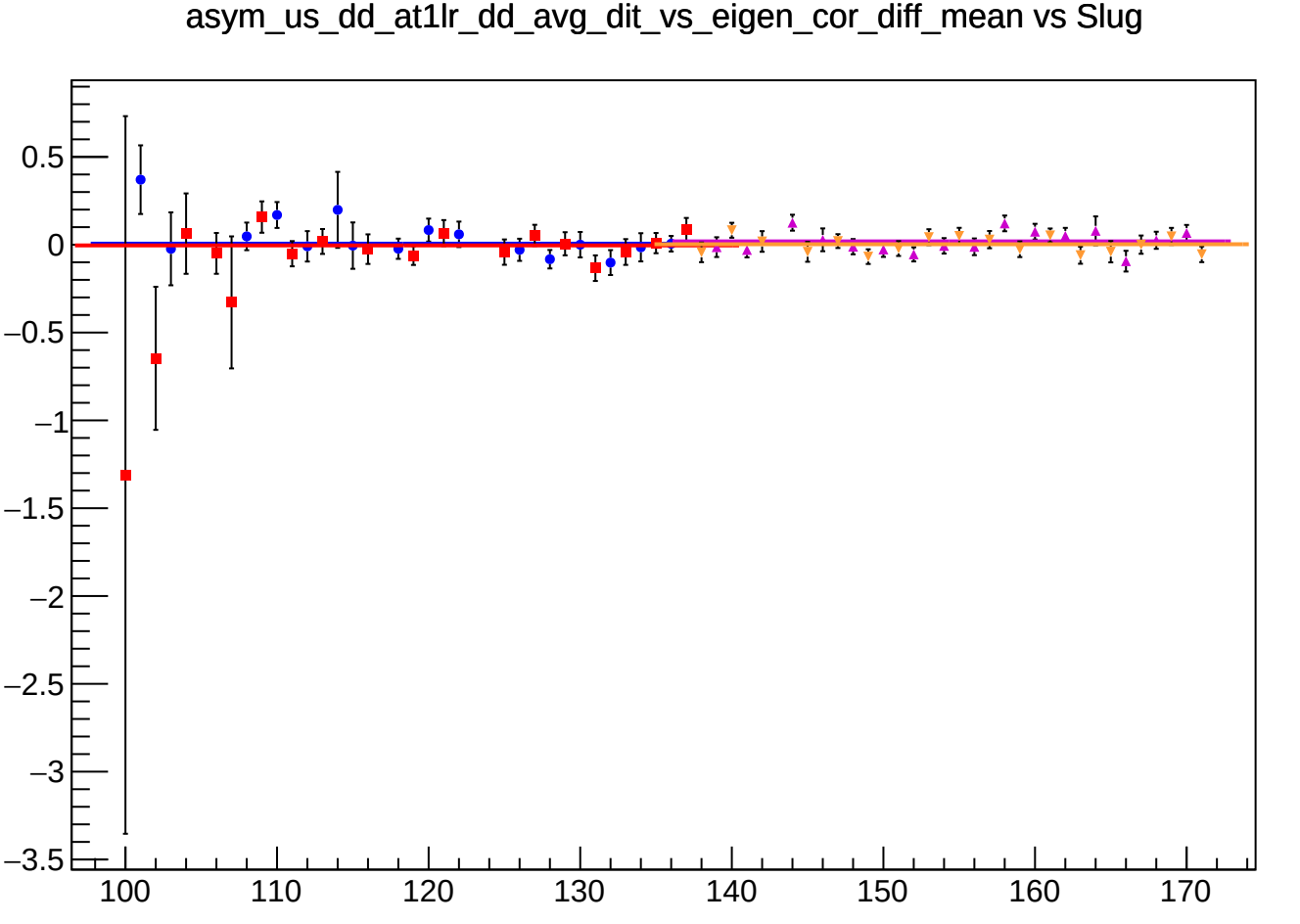
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.678+/-0.008 χ^2/NDF:407546.7/15

+ sign 39.036+/-0.007 χ^2/NDF: 1863306.0/32

All: 39.626+/-0.005 χ^2/NDF: 3744296.5/66

- sign 40.263+/-0.007 χ^2/NDF: 1865407.4/33



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.011 χ^2/NDF:17.0/16

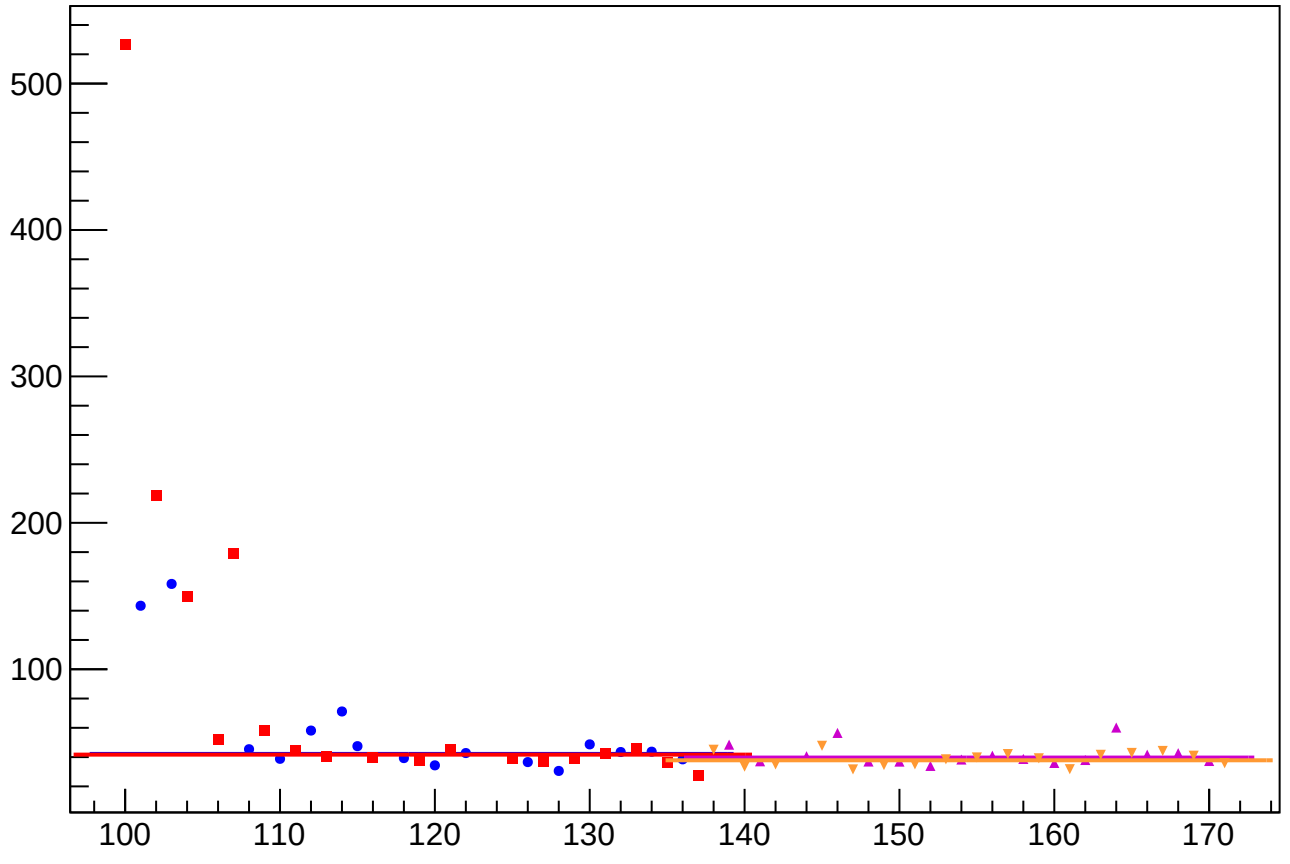
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.012 χ^2/NDF:25.4/15

+ sign 0.004+/-0.010 χ^2/NDF: 34.3/32

All: 0.008+/-0.007 χ^2/NDF: 77.4/66

- sign 0.012+/-0.010 χ^2/NDF: 42.8/33



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.827+/-0.008 χ^2/NDF:327488.8/16

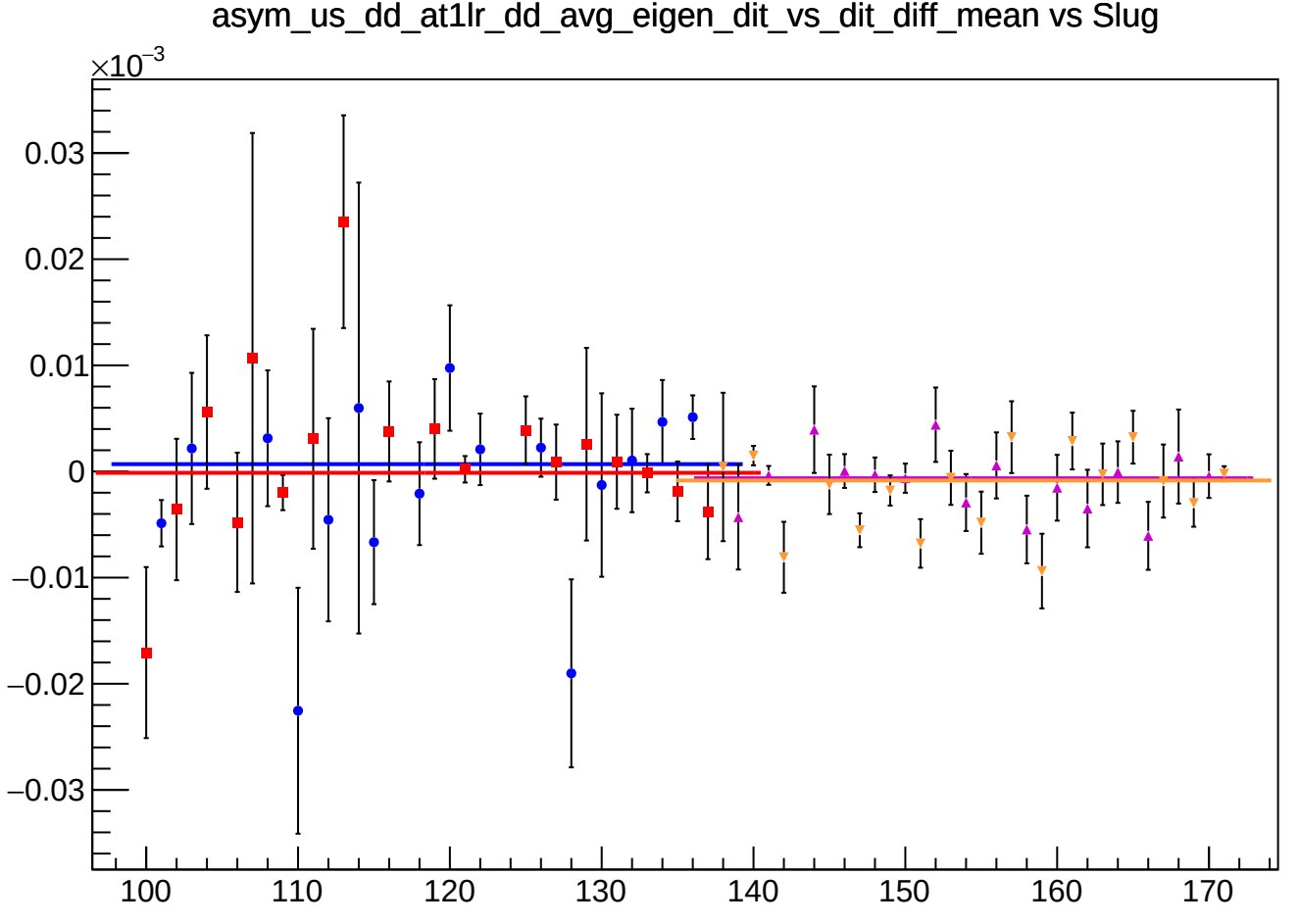
Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.678+/-0.008 χ^2/NDF:407546.7/15

+ sign 39.036+/-0.007 χ^2/NDF: 1863306.0/32

All: 39.626+/-0.005 χ^2/NDF: 3744296.5/66

- sign 40.263+/-0.007 χ^2/NDF: 1865407.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/16

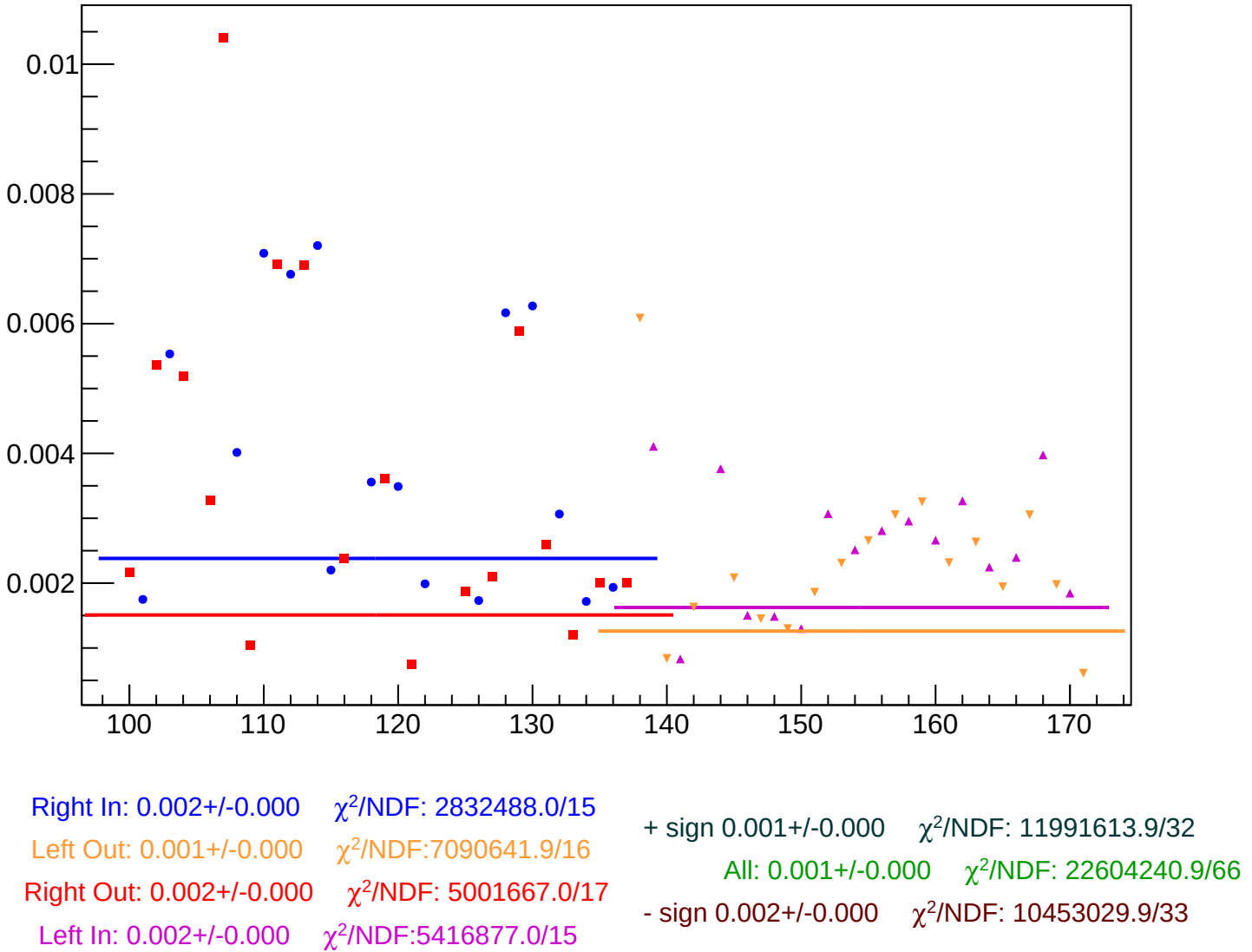
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

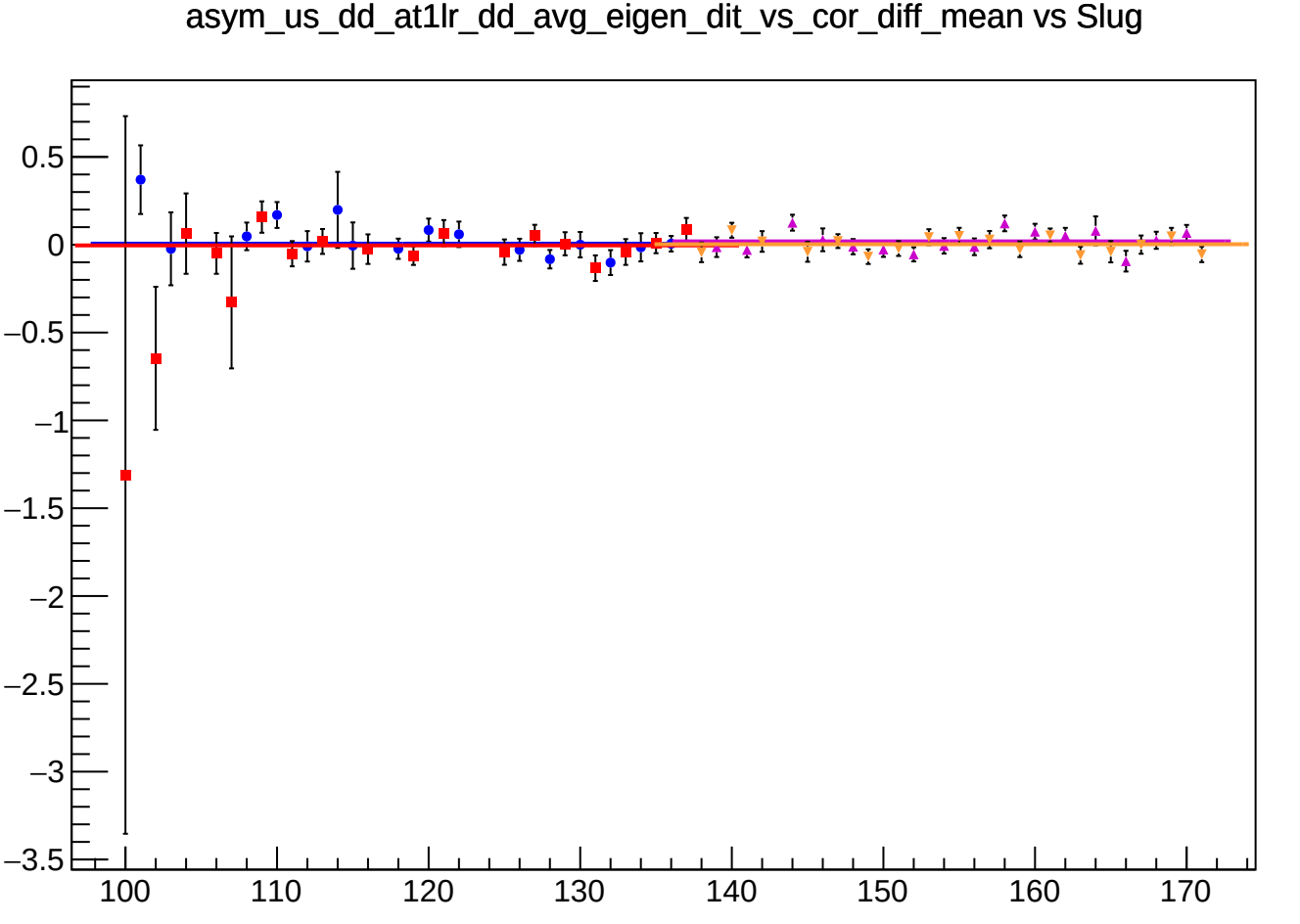
Left In: -0.000+/-0.000 χ^2/NDF:11.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 71.1/32

All: -0.000+/-0.000 χ^2/NDF: 100.1/66

- sign -0.000+/-0.000 χ^2/NDF: 29.0/33


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
170
Right In: 0.002+/-0.000 χ²/NDF: 2832488.0/15
Left Out: 0.001+/-0.000 χ²/NDF:7090641.9/16
Right Out: 0.002+/-0.000 χ²/NDF: 5001667.0/17
Left In: 0.002+/-0.000 χ²/NDF:5416877.0/15
+ sign 0.001+/-0.000 χ²/NDF: 11991613.9/32
All: 0.001+/-0.000 χ²/NDF: 22604240.9/66
- sign 0.002+/-0.000 χ²/NDF: 10453029.9/33



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.011 χ^2/NDF:17.0/16

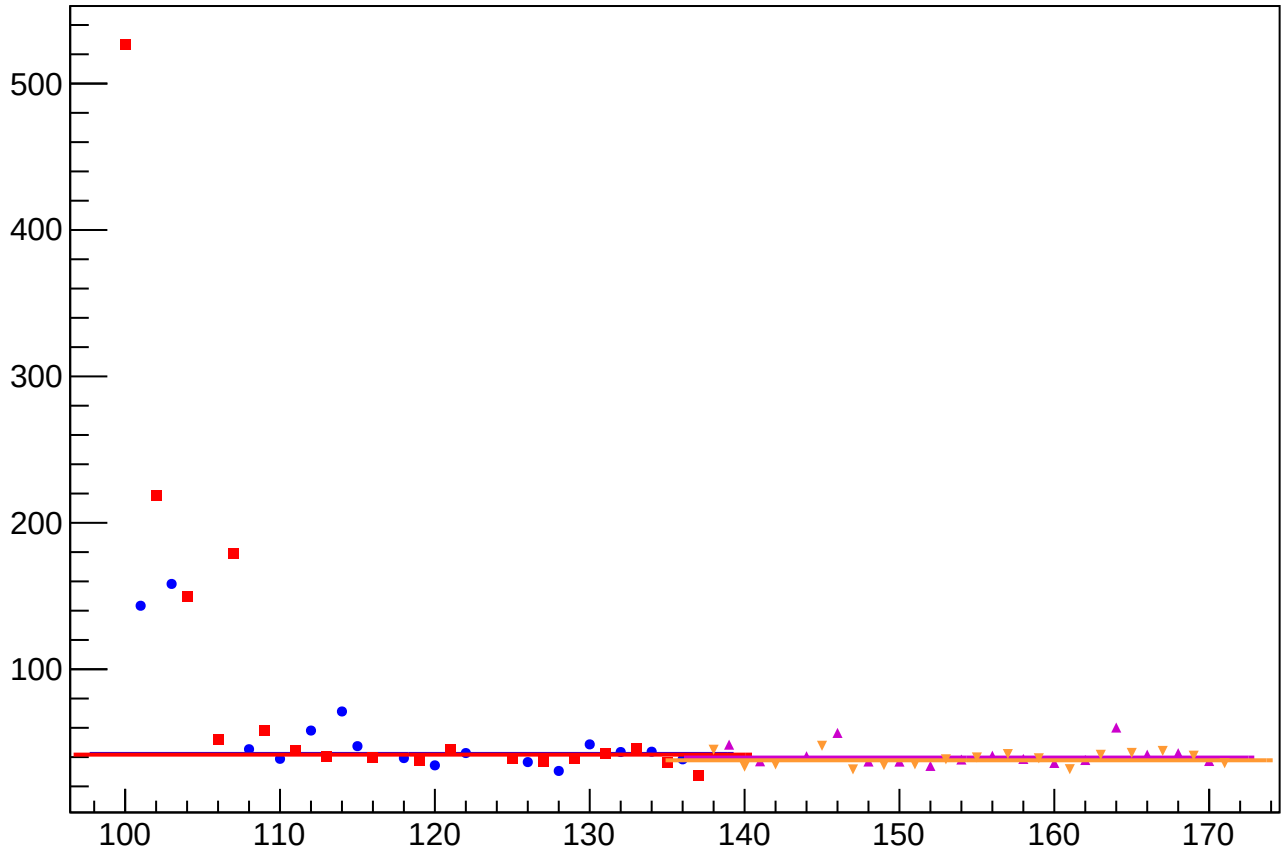
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.012 χ^2/NDF:25.4/15

+ sign 0.004+/-0.010 χ^2/NDF: 34.3/32

All: 0.008+/-0.007 χ^2/NDF: 77.4/66

- sign 0.012+/-0.010 χ^2/NDF: 42.8/33



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.828+/-0.008 χ^2/NDF:327478.4/16

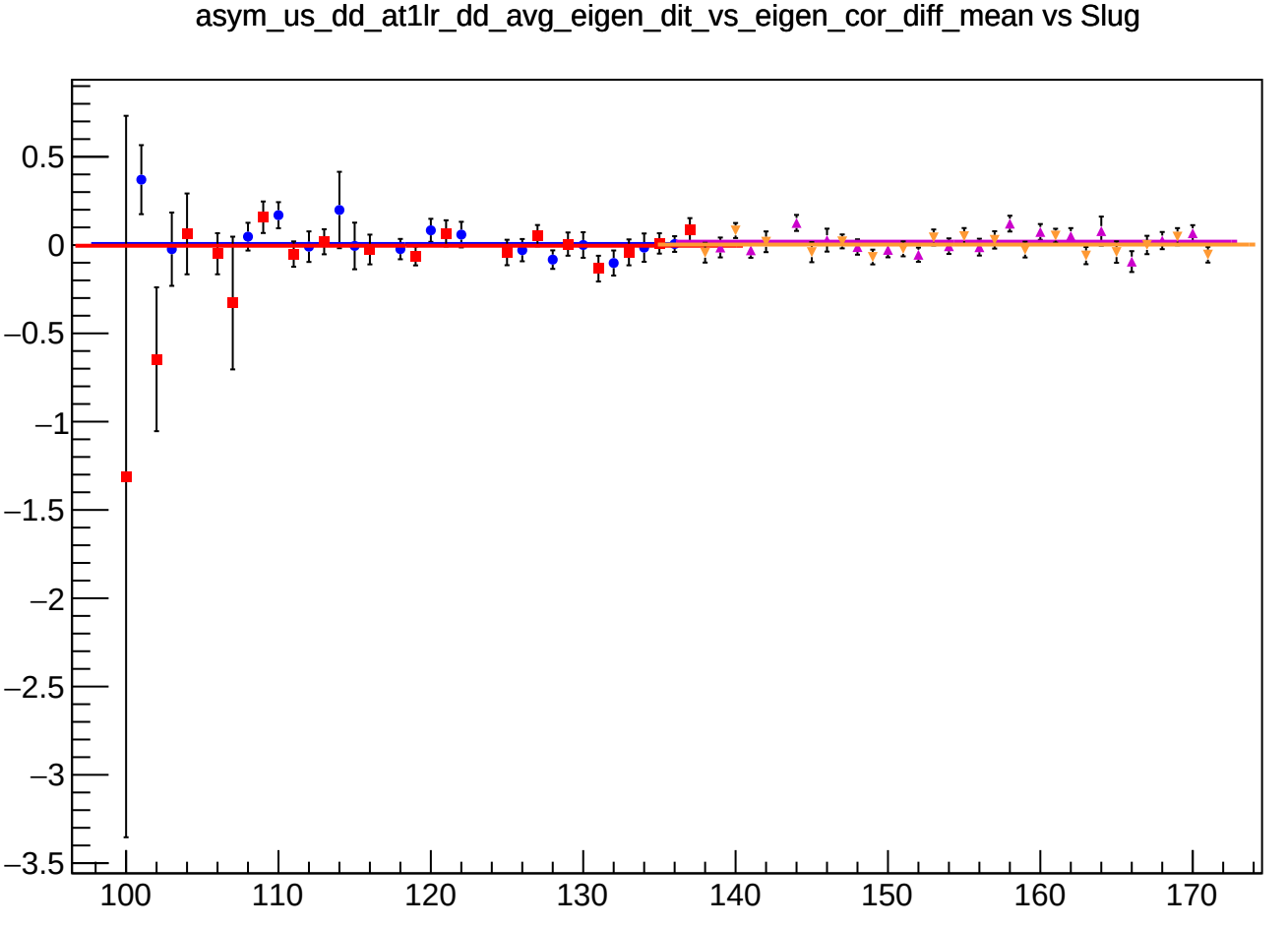
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.678+/-0.008 χ^2/NDF:407582.8/15

+ sign 39.035+/-0.007 χ^2/NDF: 1863416.9/32

All: 39.626+/-0.005 χ^2/NDF: 3744448.1/66

- sign 40.263+/-0.007 χ^2/NDF: 1865432.0/33



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-0.011 χ^2/NDF:17.0/16

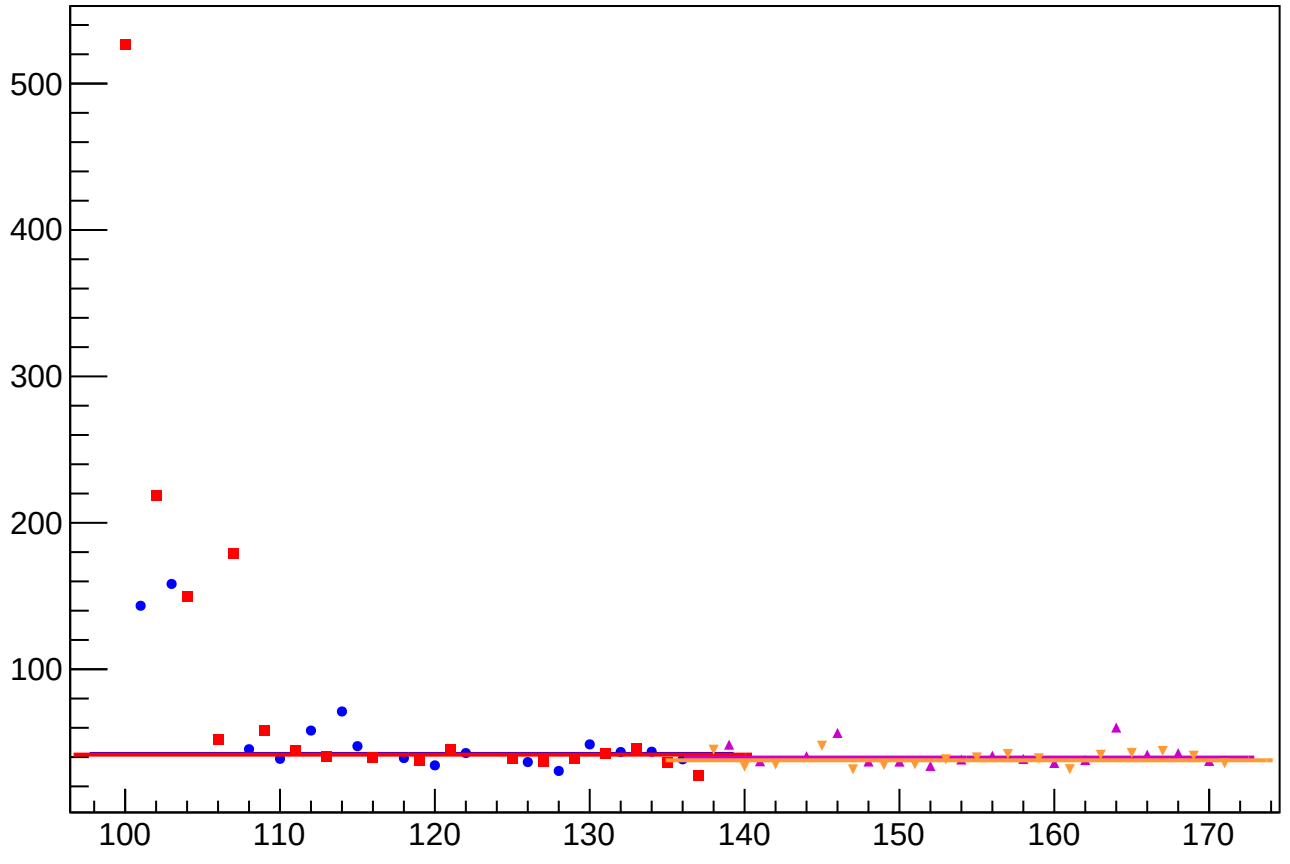
Right Out: -0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.019+/-0.012 χ^2/NDF:25.4/15

+ sign 0.004+/-0.010 χ^2/NDF: 34.3/32

All: 0.008+/-0.007 χ^2/NDF: 77.4/66

- sign 0.012+/-0.010 χ^2/NDF: 42.8/33



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.828+/-0.008 χ^2/NDF:327478.4/16

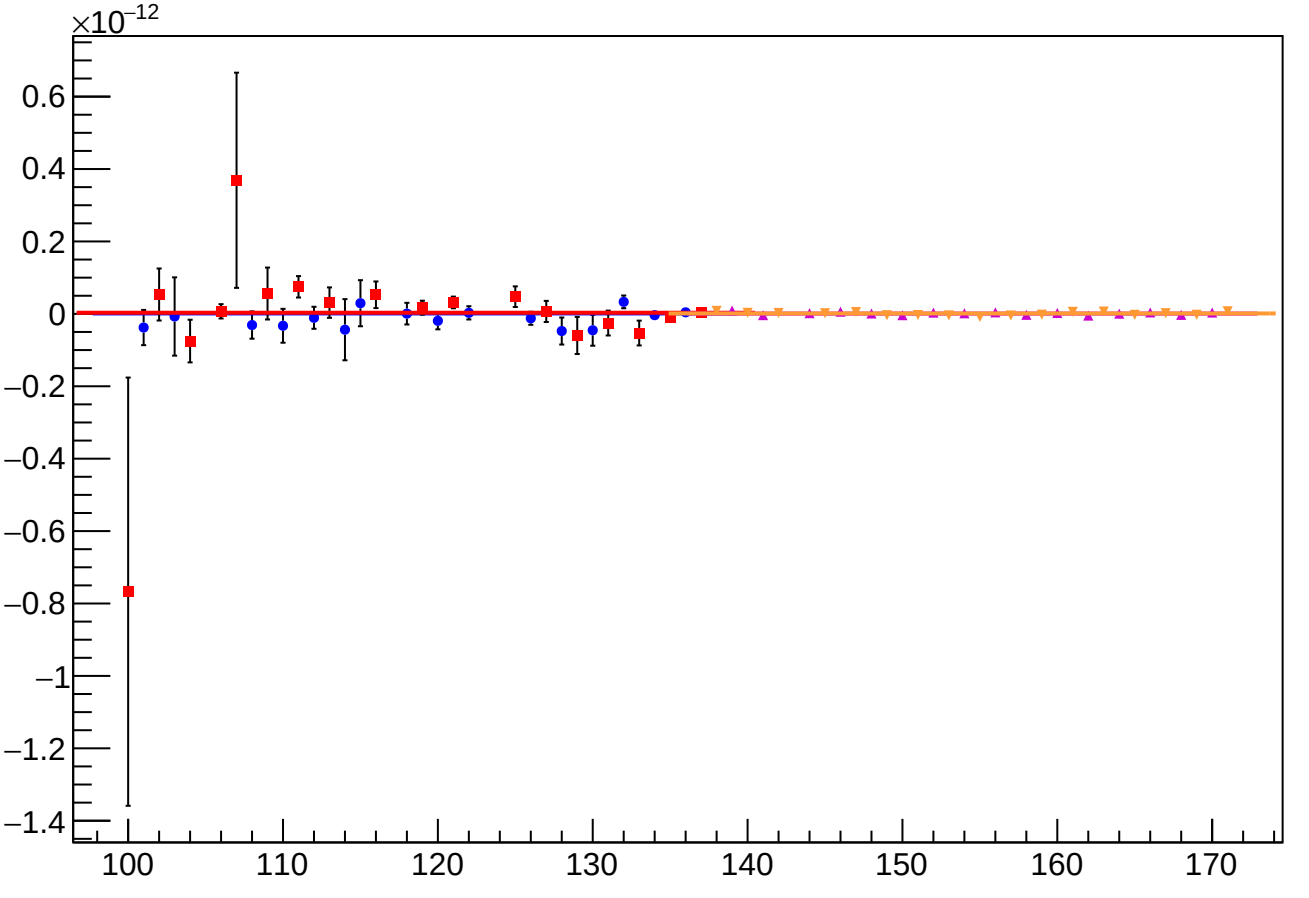
Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.678+/-0.008 χ^2/NDF:407582.8/15

+ sign 39.035+/-0.007 χ^2/NDF: 1863416.9/32

All: 39.626+/-0.005 χ^2/NDF: 3744448.1/66

- sign 40.263+/-0.007 χ^2/NDF: 1865432.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/16

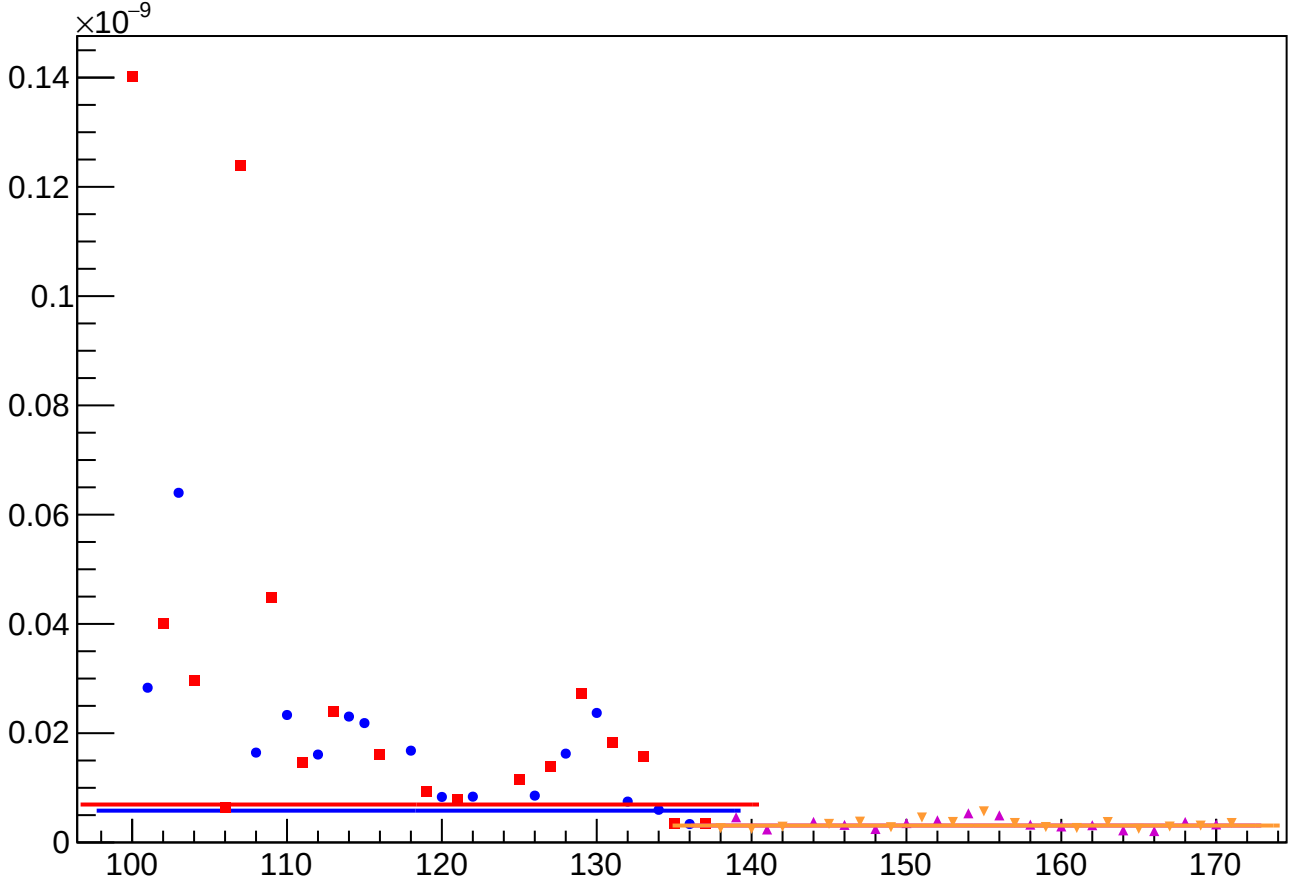
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 24.4/32

All: 0.000+/-0.000 χ^2/NDF: 62.8/66

- sign 0.000+/-0.000 χ^2/NDF: 38.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:592898.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

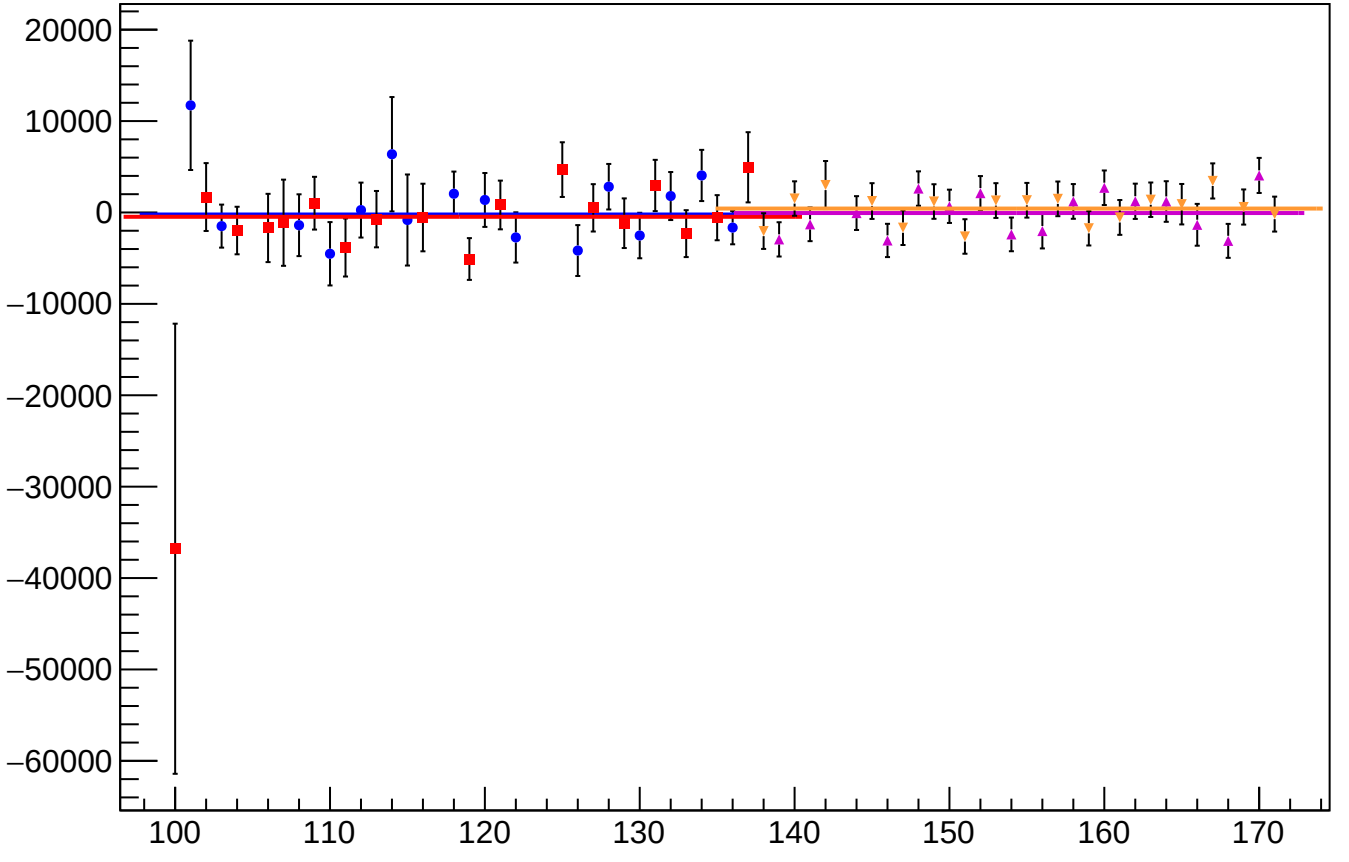
Left In: 0.000+/-0.000 χ^2/NDF:967467.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 4777692.6/32

All: 0.000+/-0.000 χ^2/NDF: 10774973.6/66

- sign 0.000+/-0.000 χ^2/NDF: 5997250.4/33

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 427.620+/-472.413 χ^2/NDF:12.3/16

Right Out: -472.410+/-711.475 χ^2/NDF: 15.9/17

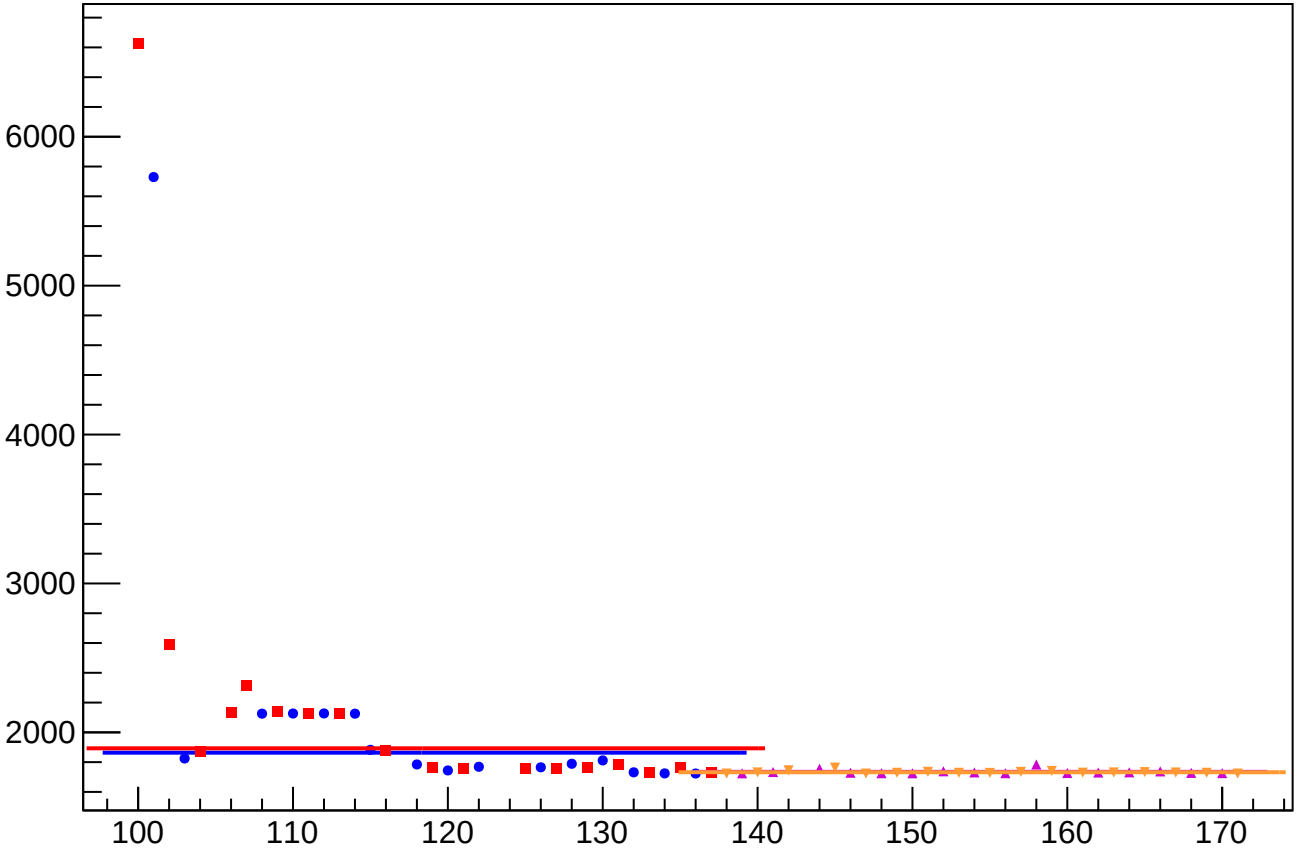
Left In: -62.568+/-477.072 χ^2/NDF:22.7/15

+ sign 227.643+/-393.162 χ^2/NDF: 28.7/32

All: 20.604+/-279.089 χ^2/NDF: 68.1/66

- sign -189.687+/-396.238 χ^2/NDF: 38.8/33

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1732.148+/-0.334 χ^2/NDF:777.0/16

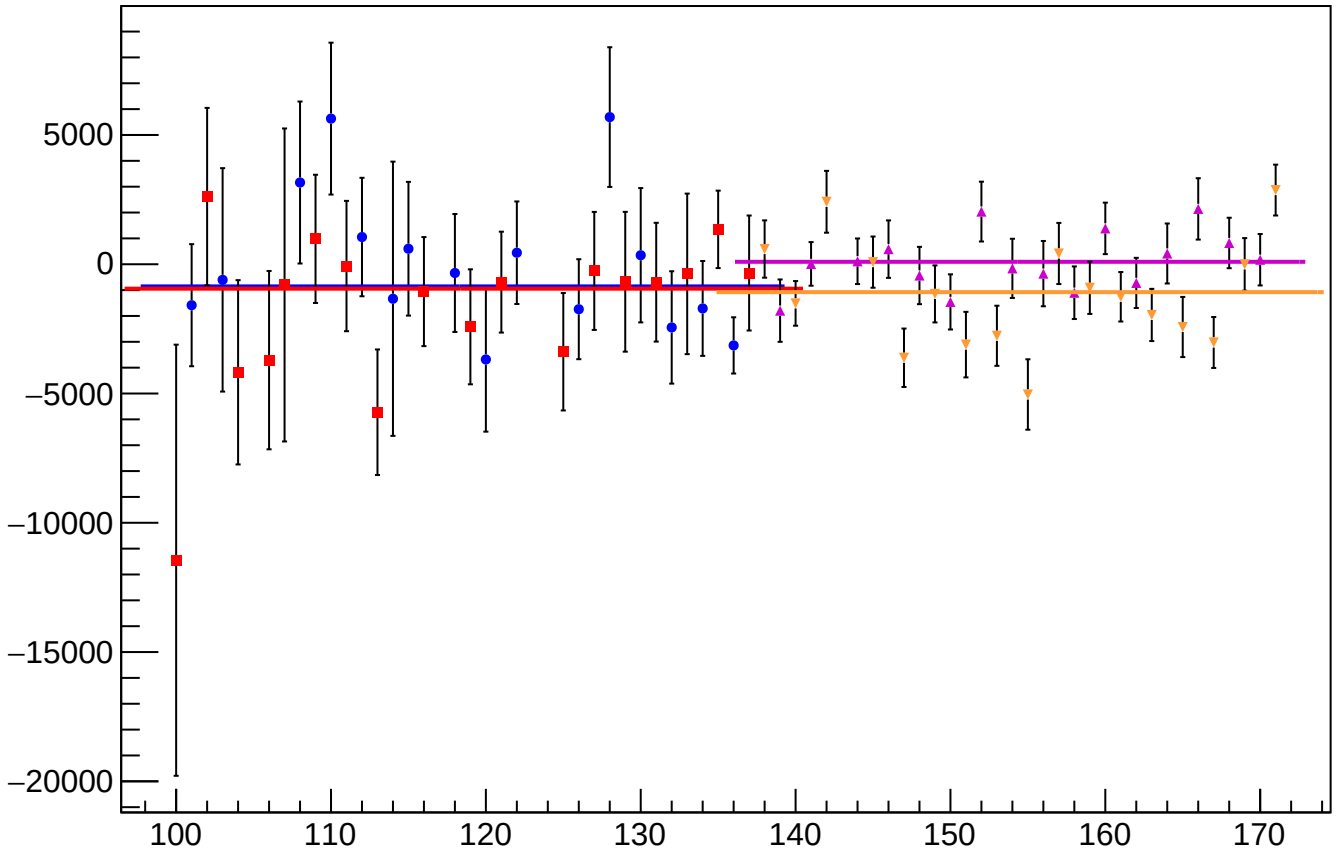
Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

+ sign 1772.547+/-0.278 χ^2/NDF: 723026.6/32

All: 1778.105+/-0.197 χ^2/NDF: 1045520.6/66

- sign 1783.751+/-0.280 χ^2/NDF: 321688.2/33



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1078.870+/-258.920 χ^2/NDF:55.5/16

Right Out: -944.718+/-583.967 χ^2/NDF: 12.9/17

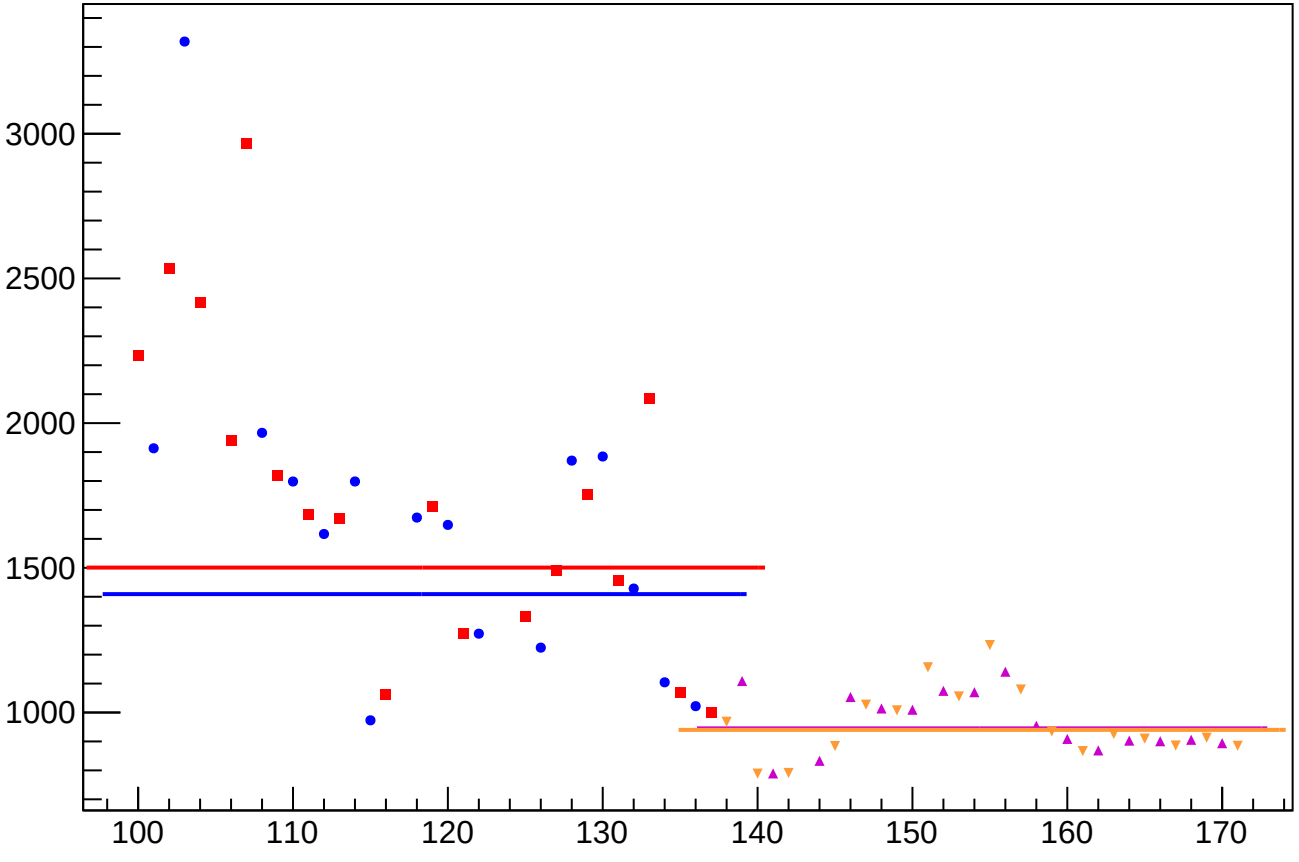
Left In: 94.788+/-261.995 χ^2/NDF:15.4/15

+ sign -1038.648+/-234.244 χ^2/NDF: 76.2/32

All: -568.737+/-167.305 χ^2/NDF: 115.4/66

- sign -79.389+/-239.040 χ^2/NDF: 30.9/33

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 940.002+/-0.183 χ^2/NDF:344977.1/16

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

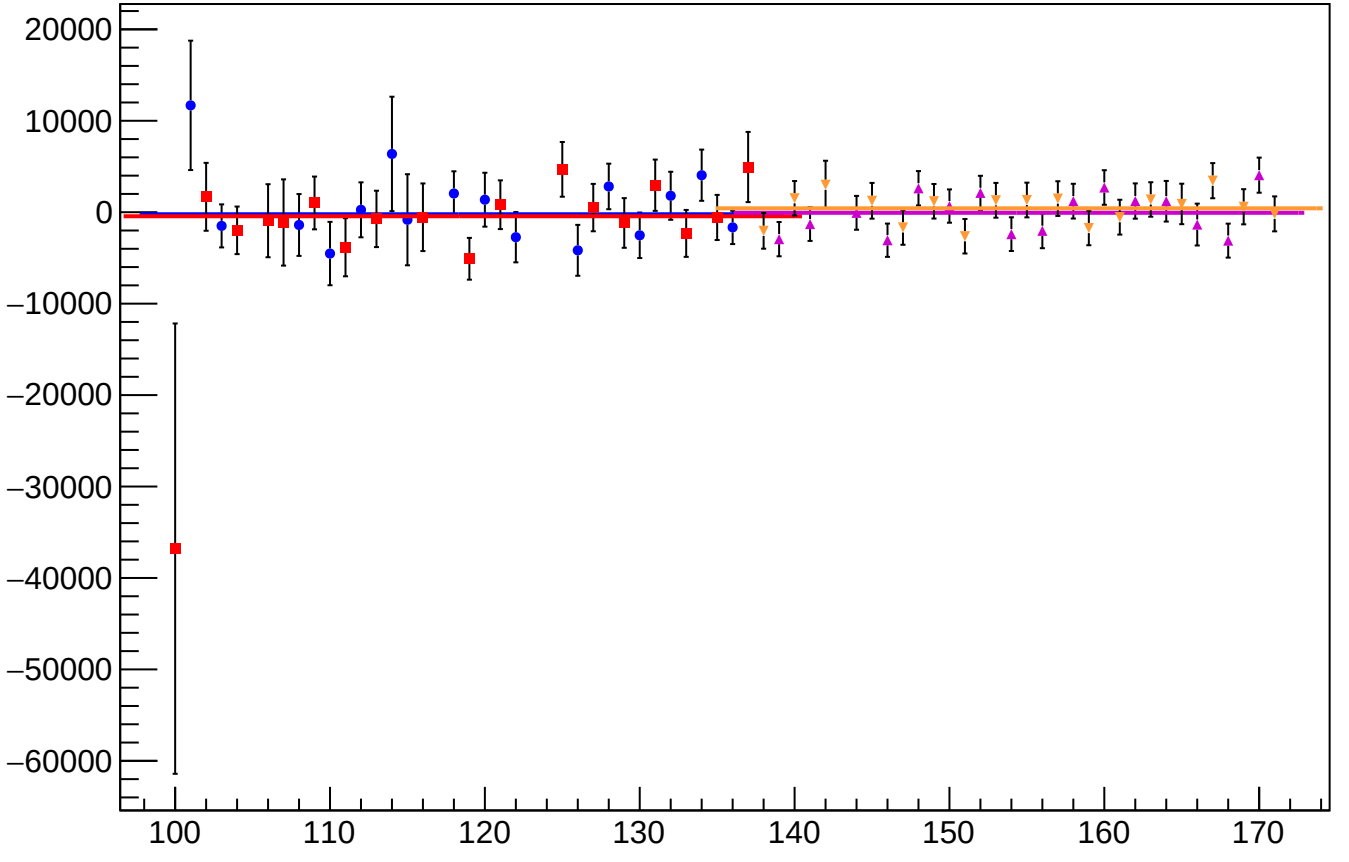
Left In: 945.194+/-0.185 χ^2/NDF:297588.3/15

+ sign 1025.155+/-0.166 χ^2/NDF: 2704357.8/32

All: 1031.589+/-0.118 χ^2/NDF: 5542896.9/66

- sign 1038.290+/-0.169 χ^2/NDF: 2835458.8/33

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 427.656+/-472.413 χ^2/NDF:12.3/16

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

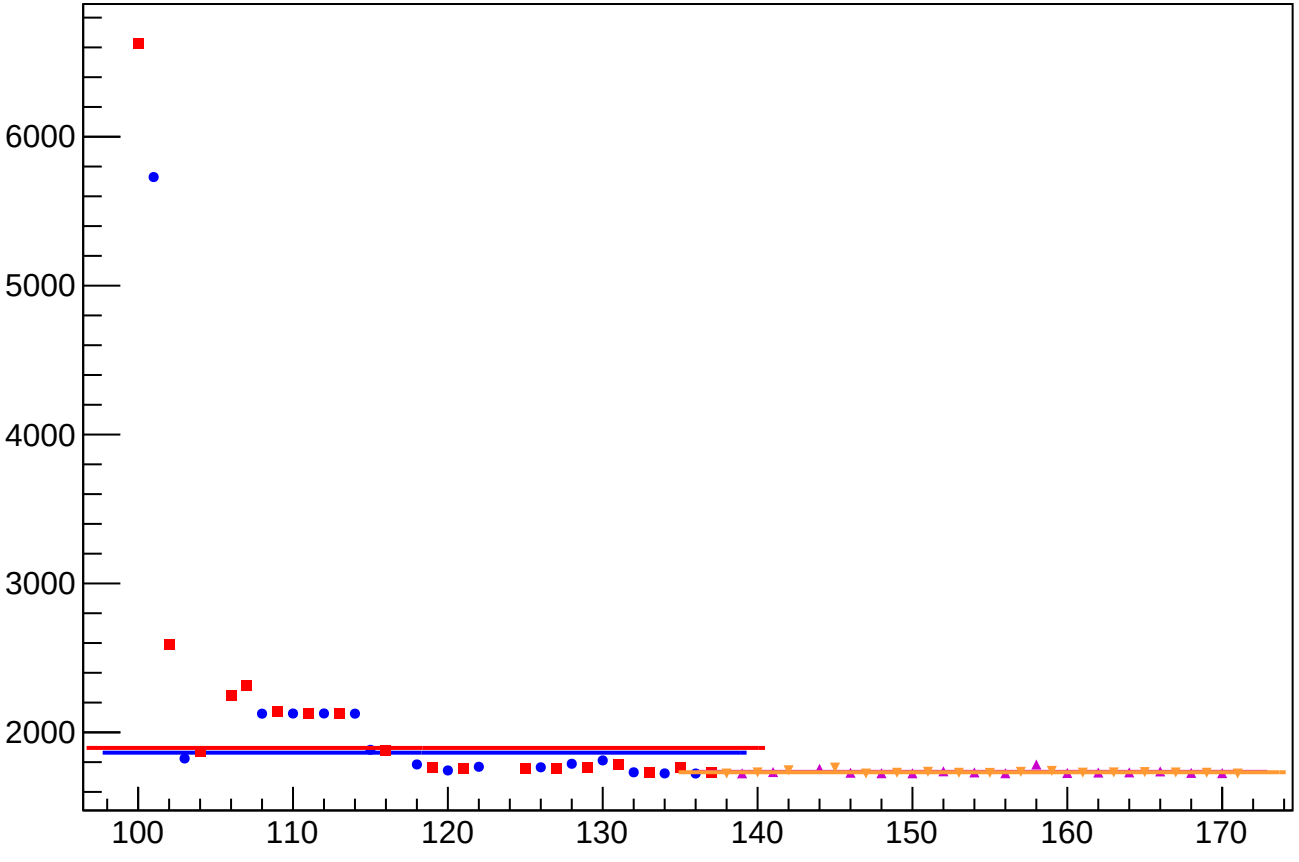
Left In: -62.639+/-477.072 χ^2/NDF:22.7/15

+ sign 227.430+/-393.162 χ^2/NDF: 28.7/32

All: 25.322+/-279.187 χ^2/NDF: 67.9/66

- sign -180.250+/-396.518 χ^2/NDF: 38.7/33

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.148+/-0.334 χ^2/NDF:777.0/16

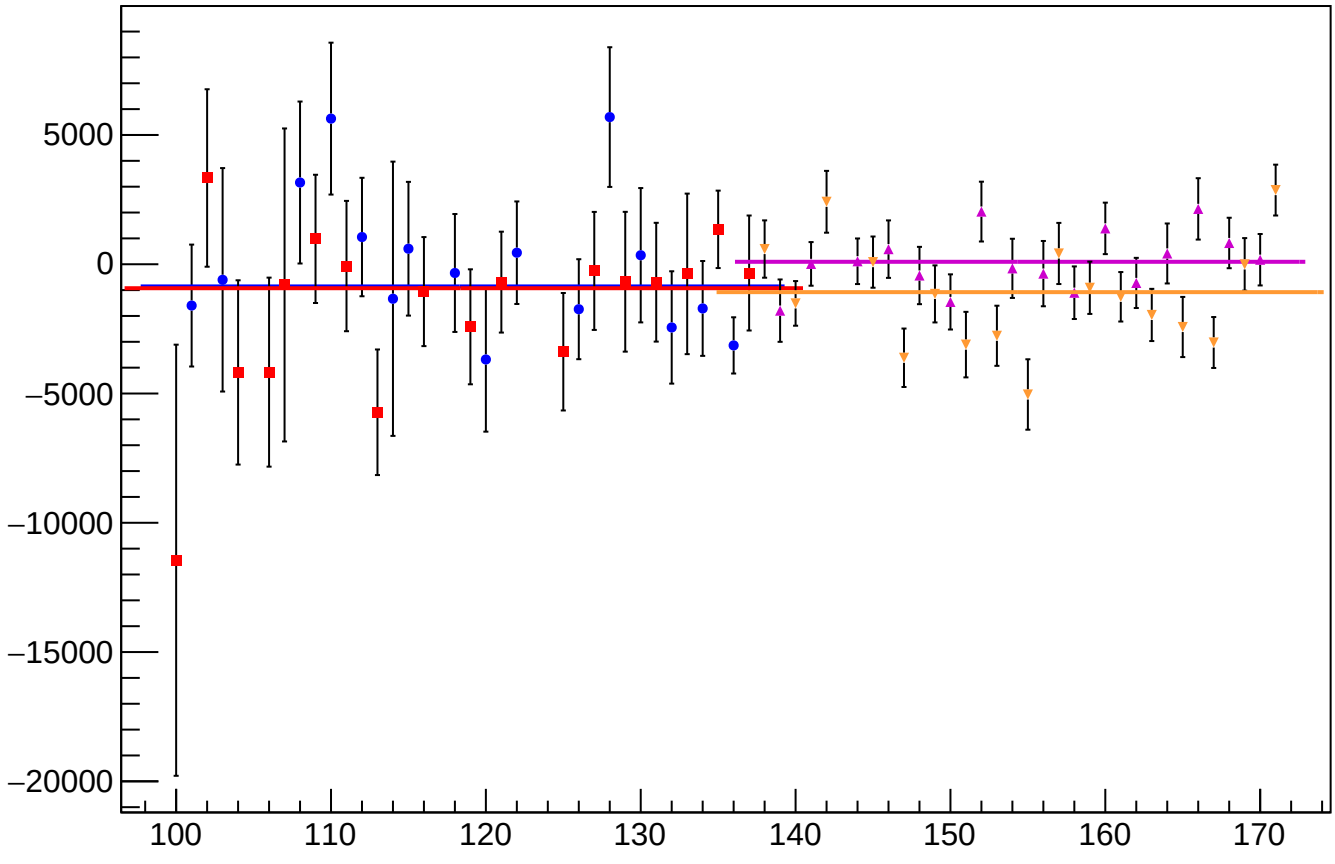
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

+ sign 1772.547+/-0.278 χ^2/NDF: 723026.5/32

All: 1778.427+/-0.197 χ^2/NDF: 1055337.3/66

- sign 1784.409+/-0.280 χ^2/NDF: 331408.3/33



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1078.874+/-258.920 χ^2/NDF:55.5/16

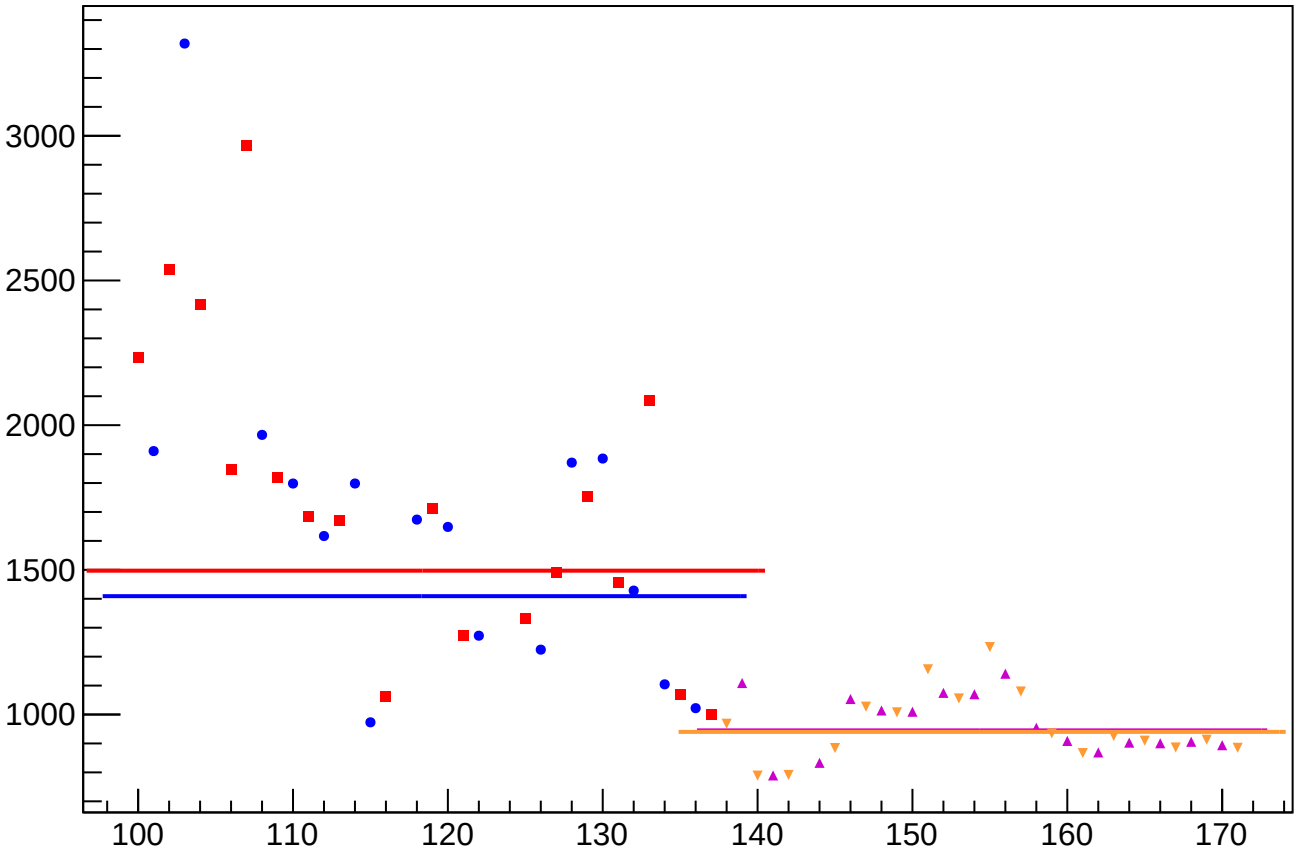
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 94.749+/-261.993 χ^2/NDF:15.4/15

+ sign -1038.795+/-234.241 χ^2/NDF: 76.2/32

All: -567.300+/-167.325 χ^2/NDF: 116.0/66

- sign -76.035+/-239.101 χ^2/NDF: 31.5/33



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.003+/-0.183 χ^2/NDF:344944.3/16

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

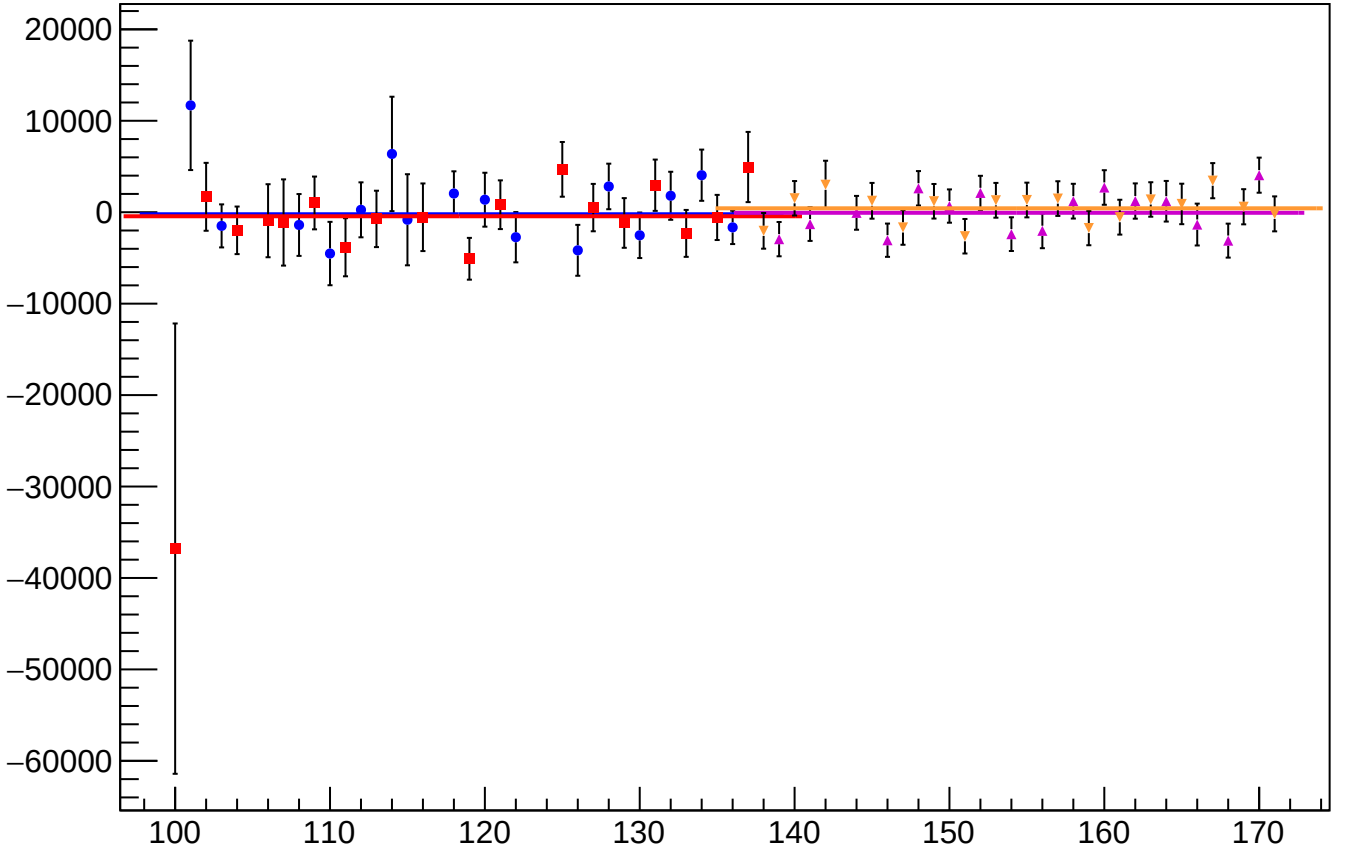
Left In: 945.188+/-0.185 χ^2/NDF:297608.1/15

+ sign 1025.153+/-0.166 χ^2/NDF: 2703437.9/32

All: 1031.165+/-0.118 χ^2/NDF: 5505360.3/66

- sign 1037.430+/-0.169 χ^2/NDF: 2799231.9/33

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: 427.656+/-472.413 χ^2/NDF:12.3/16

Right Out: -443.022+/-713.098 χ^2/NDF: 15.8/17

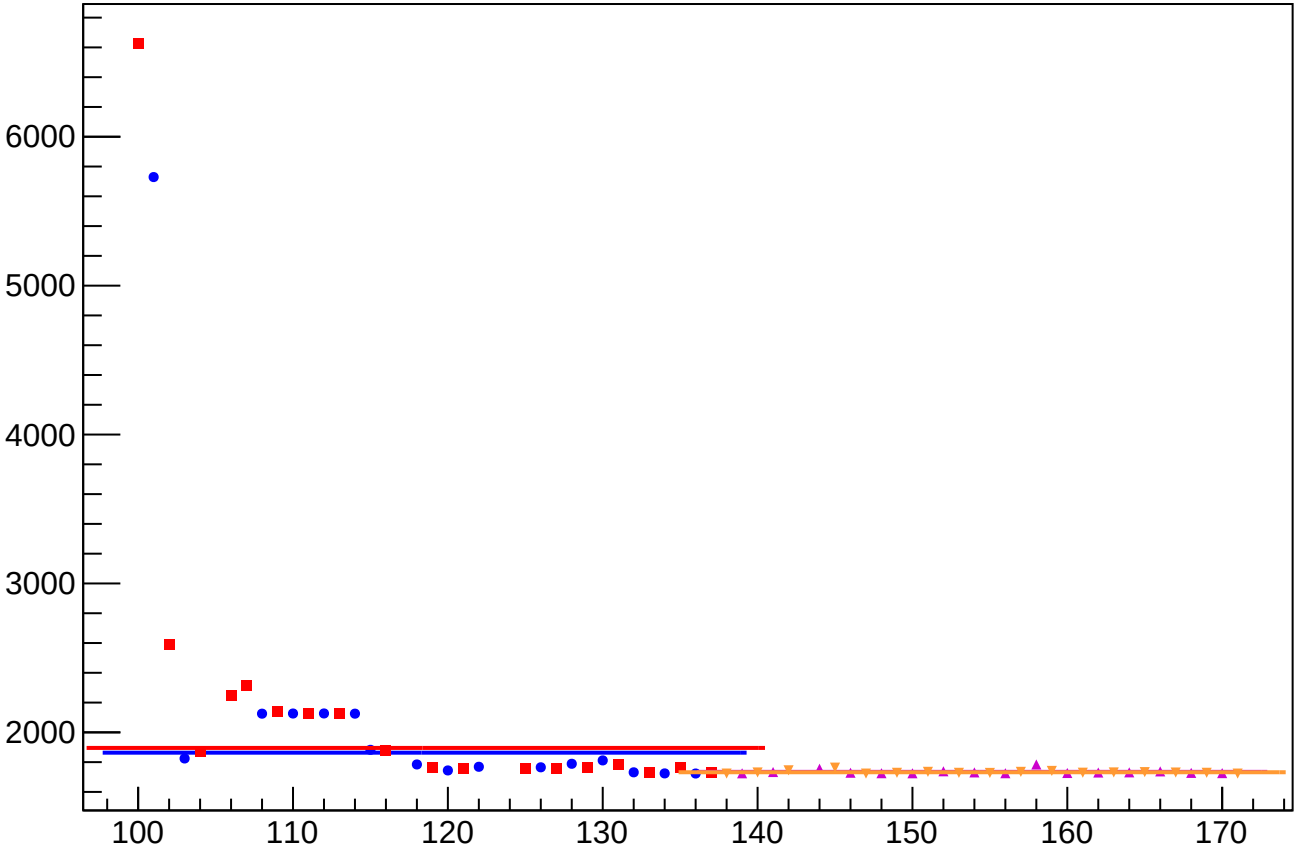
Left In: -62.639+/-477.072 χ^2/NDF:22.7/15

+ sign 227.430+/-393.162 χ^2/NDF: 28.7/32

All: 25.322+/-279.187 χ^2/NDF: 67.9/66

- sign -180.250+/-396.518 χ^2/NDF: 38.7/33

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: 1732.148+/-0.334 χ^2/NDF:777.0/16

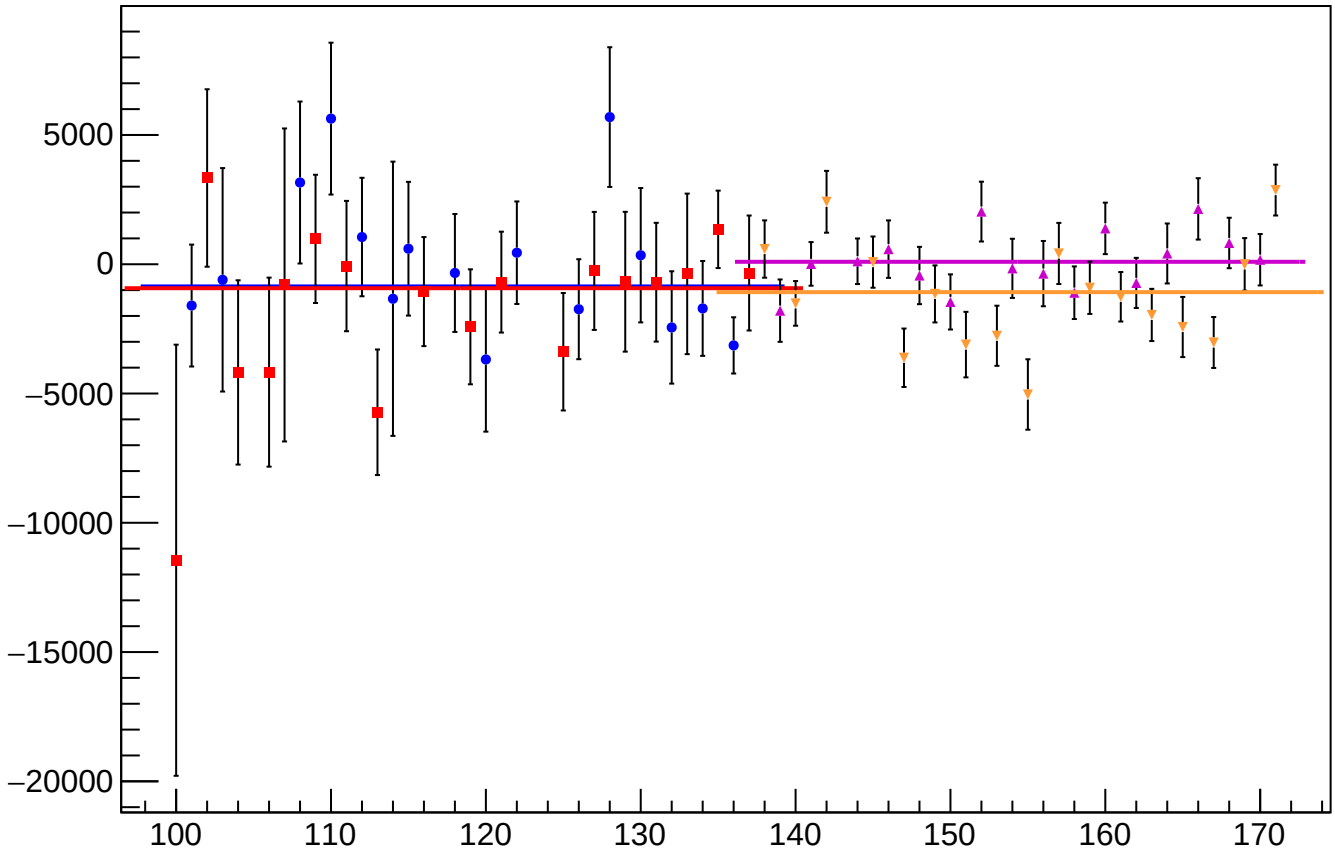
Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

+ sign 1772.547+/-0.278 χ^2/NDF: 723026.5/32

All: 1778.427+/-0.197 χ^2/NDF: 1055337.3/66

- sign 1784.409+/-0.280 χ^2/NDF: 331408.3/33



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1078.874+/-258.920 χ^2/NDF:55.5/16

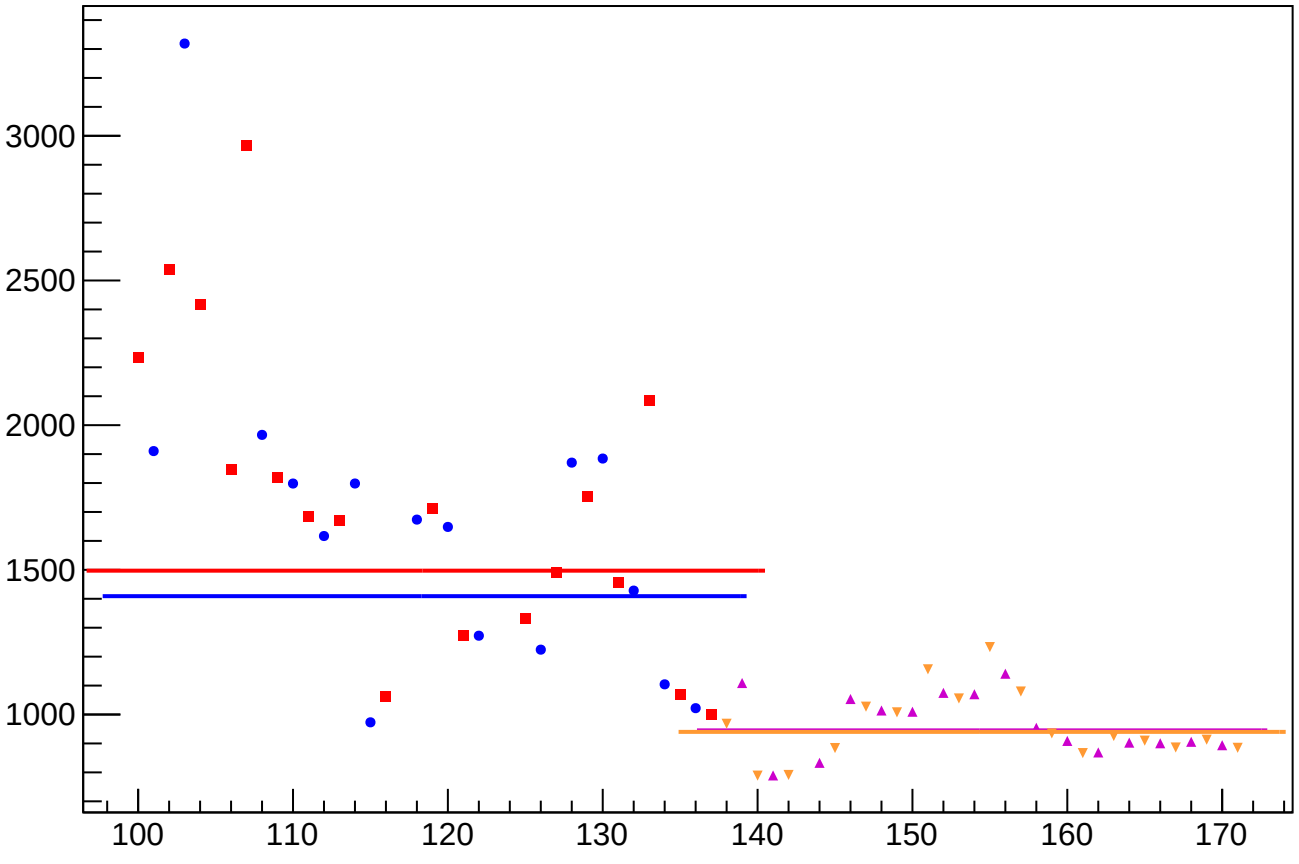
Right Out: -927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 94.749+/-261.993 χ^2/NDF:15.4/15

+ sign -1038.795+/-234.241 χ^2/NDF: 76.2/32

All: -567.300+/-167.325 χ^2/NDF: 116.0/66

- sign -76.035+/-239.101 χ^2/NDF: 31.5/33



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.003+/-0.183 χ^2/NDF:344944.3/16

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

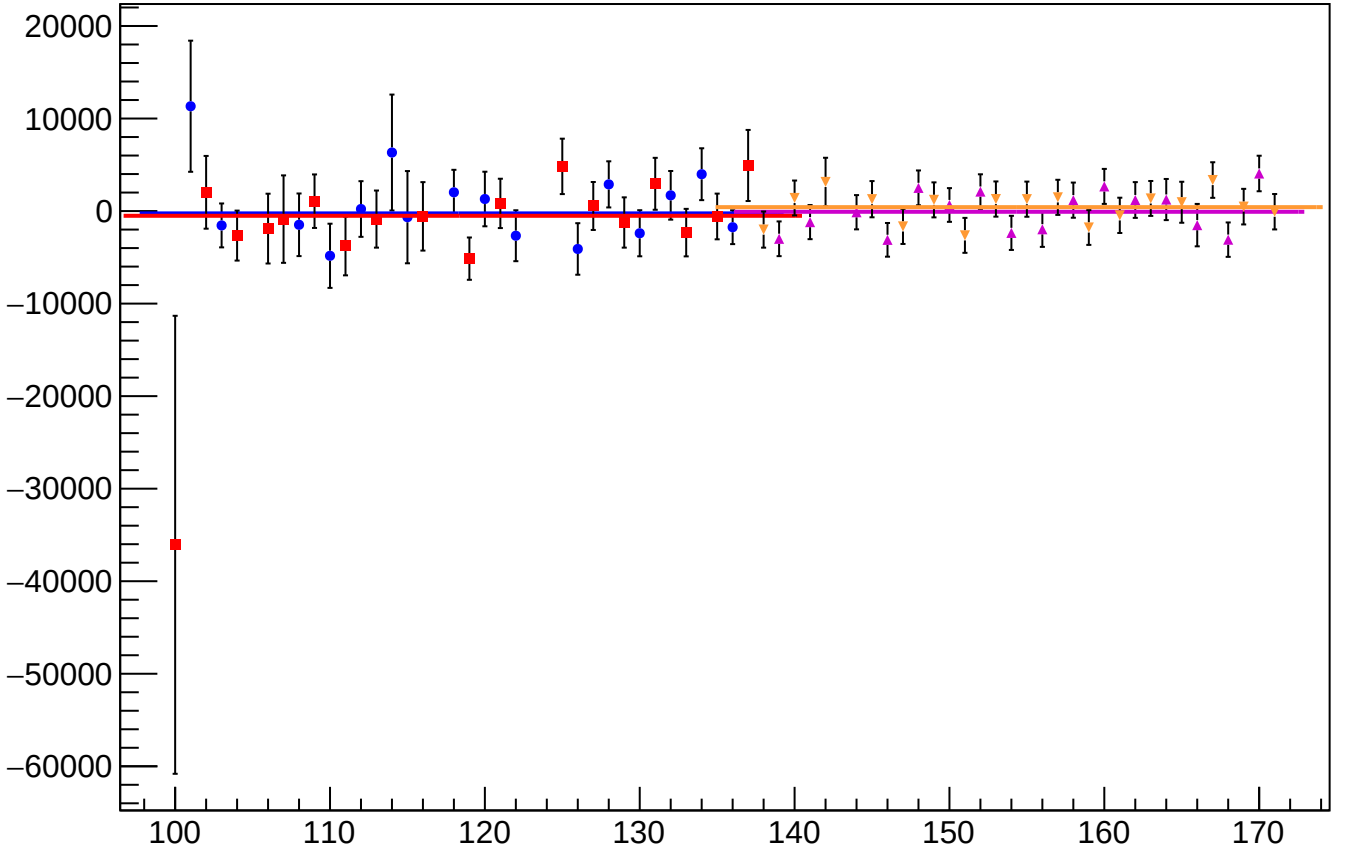
Left In: 945.188+/-0.185 χ^2/NDF:297608.1/15

+ sign 1025.153+/-0.166 χ^2/NDF: 2703437.9/32

All: 1031.165+/-0.118 χ^2/NDF: 5505360.3/66

- sign 1037.430+/-0.169 χ^2/NDF: 2799231.9/33

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 423.880+/-472.616 χ^2/NDF:12.1/16

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

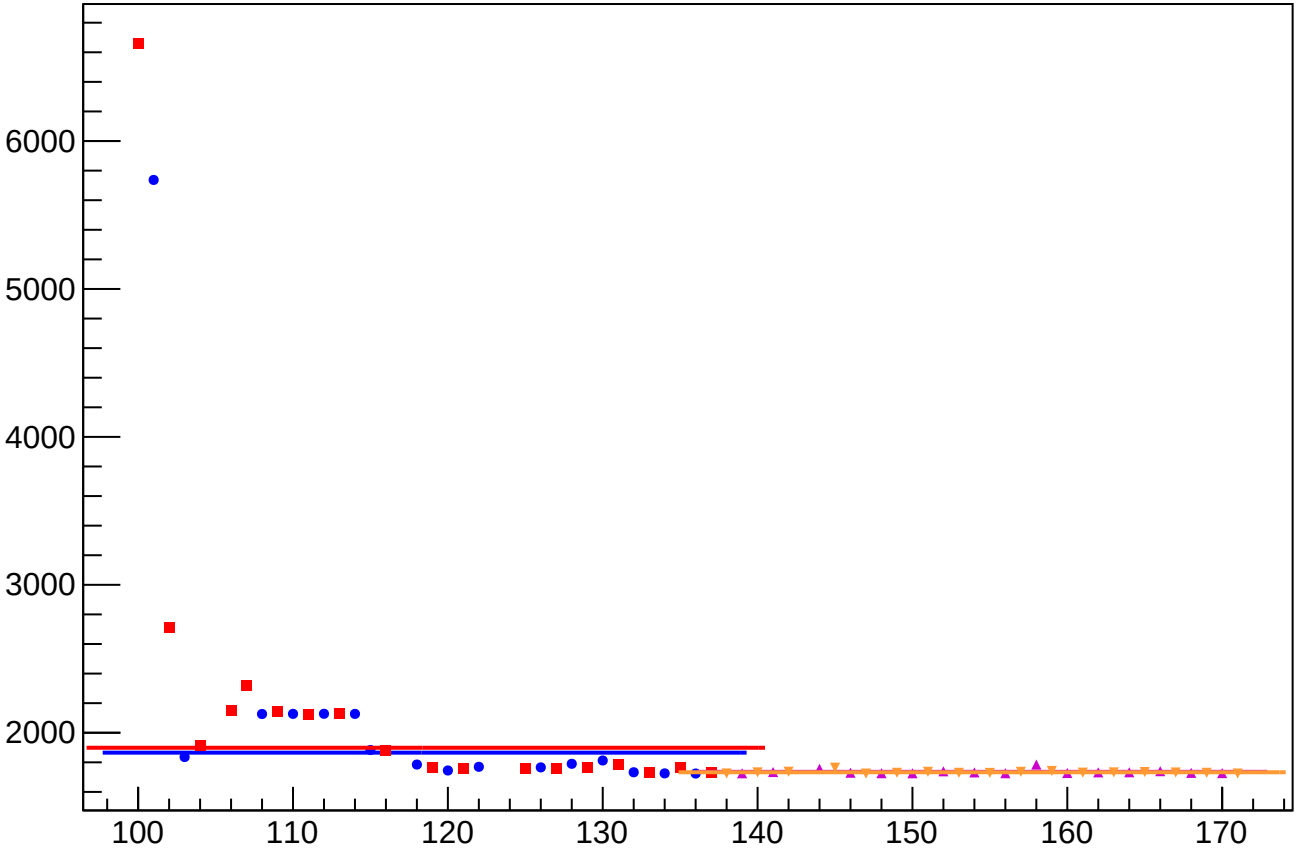
Left In: -77.581+/-477.341 χ^2/NDF:22.5/15

+ sign 216.335+/-393.419 χ^2/NDF: 28.4/32

All: 4.735+/-279.473 χ^2/NDF: 68.1/66

- sign -210.816+/-397.074 χ^2/NDF: 39.1/33

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.855+/-0.334 χ^2/NDF:718.9/16

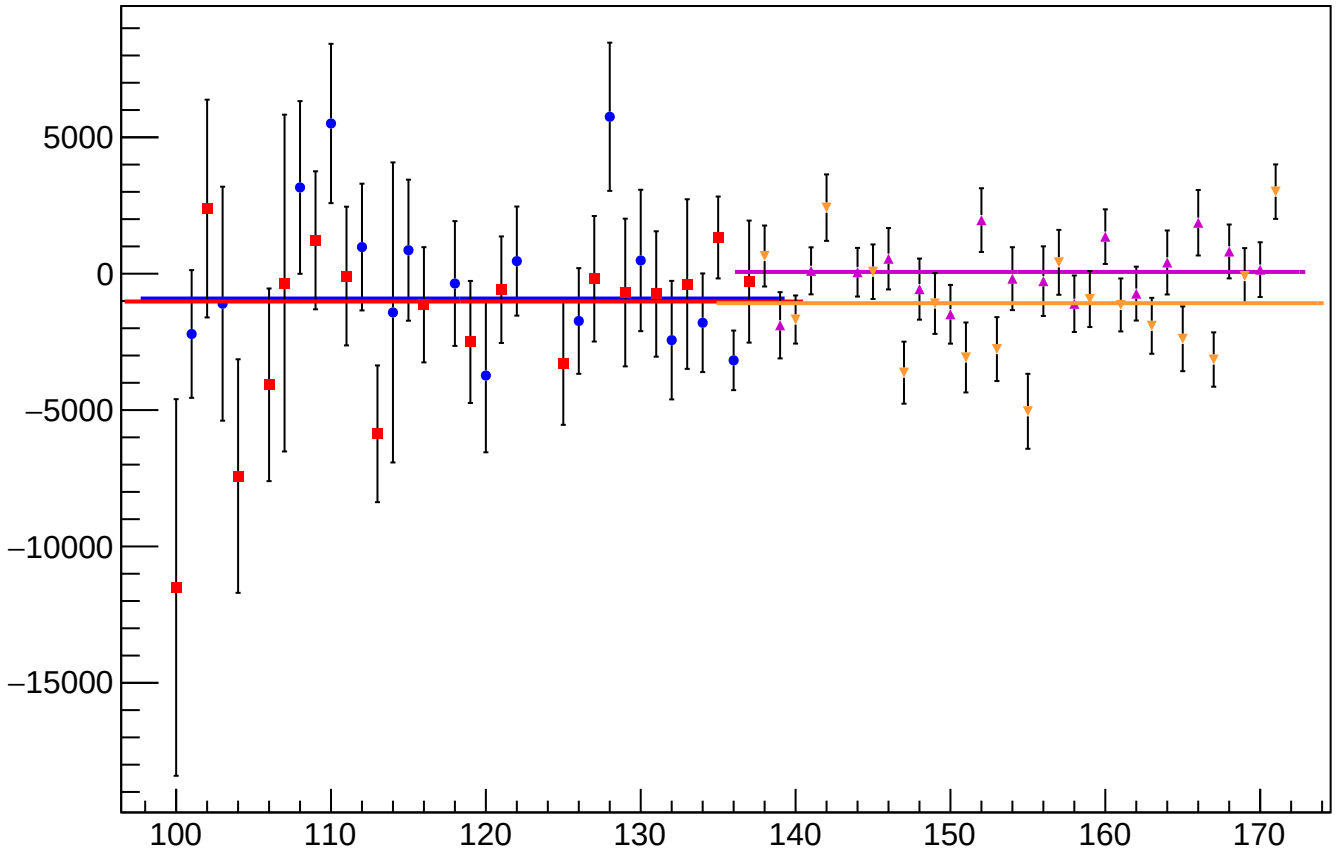
Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.667+/-0.338 χ^2/NDF:1977.8/15

+ sign 1773.567+/-0.278 χ^2/NDF: 724040.2/32

All: 1779.655+/-0.198 χ^2/NDF: 1067874.6/66

- sign 1785.857+/-0.281 χ^2/NDF: 342867.6/33



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1081.045+/-262.196 χ^2/NDF:55.8/16

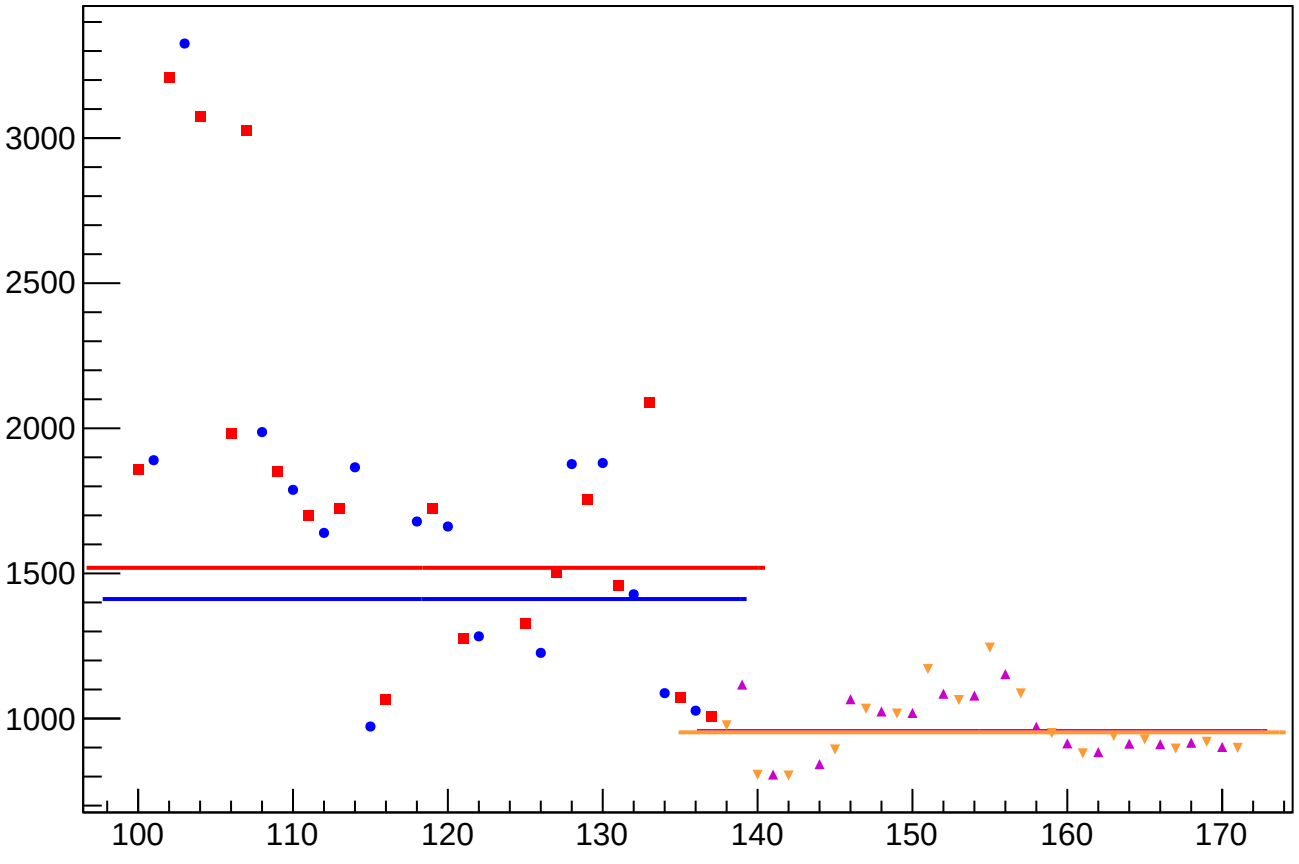
Right Out: -1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 64.323+/-265.153 χ^2/NDF:14.4/15

+ sign -1049.626+/-236.744 χ^2/NDF: 76.8/32

All: -593.516+/-169.218 χ^2/NDF: 116.6/66

- sign -117.081+/-241.962 χ^2/NDF: 32.2/33



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 952.429+/-0.185 χ^2/NDF:327675.5/16

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

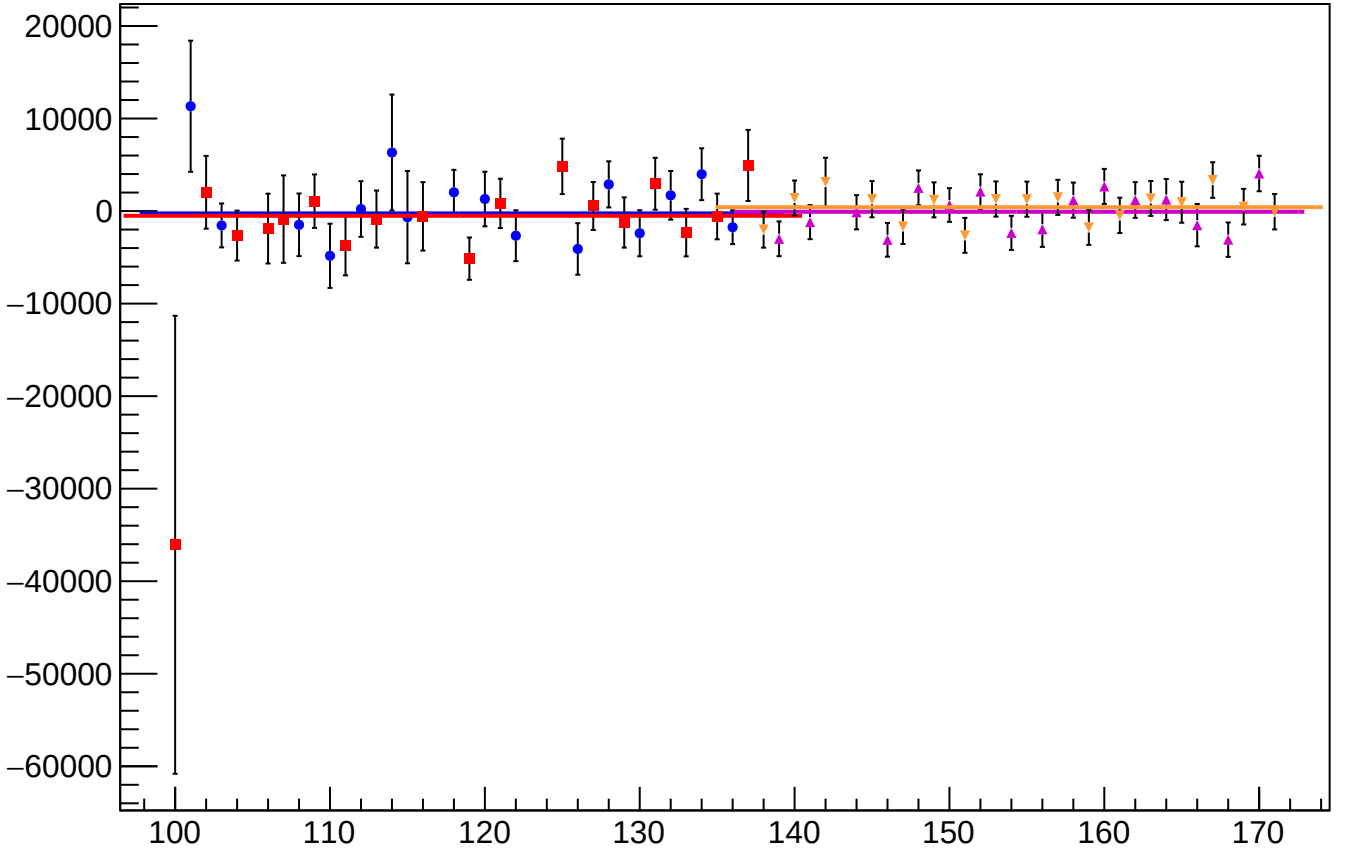
Left In: 957.051+/-0.187 χ^2/NDF:284593.5/15

+ sign 1037.274+/-0.167 χ^2/NDF: 2639181.7/32

All: 1044.038+/-0.120 χ^2/NDF: 5791574.3/66

- sign 1051.104+/-0.171 χ^2/NDF: 3149054.7/33

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: 423.879+/-472.616 χ^2/NDF:12.1/16

Right Out: -510.117+/-715.442 χ^2/NDF: 16.4/17

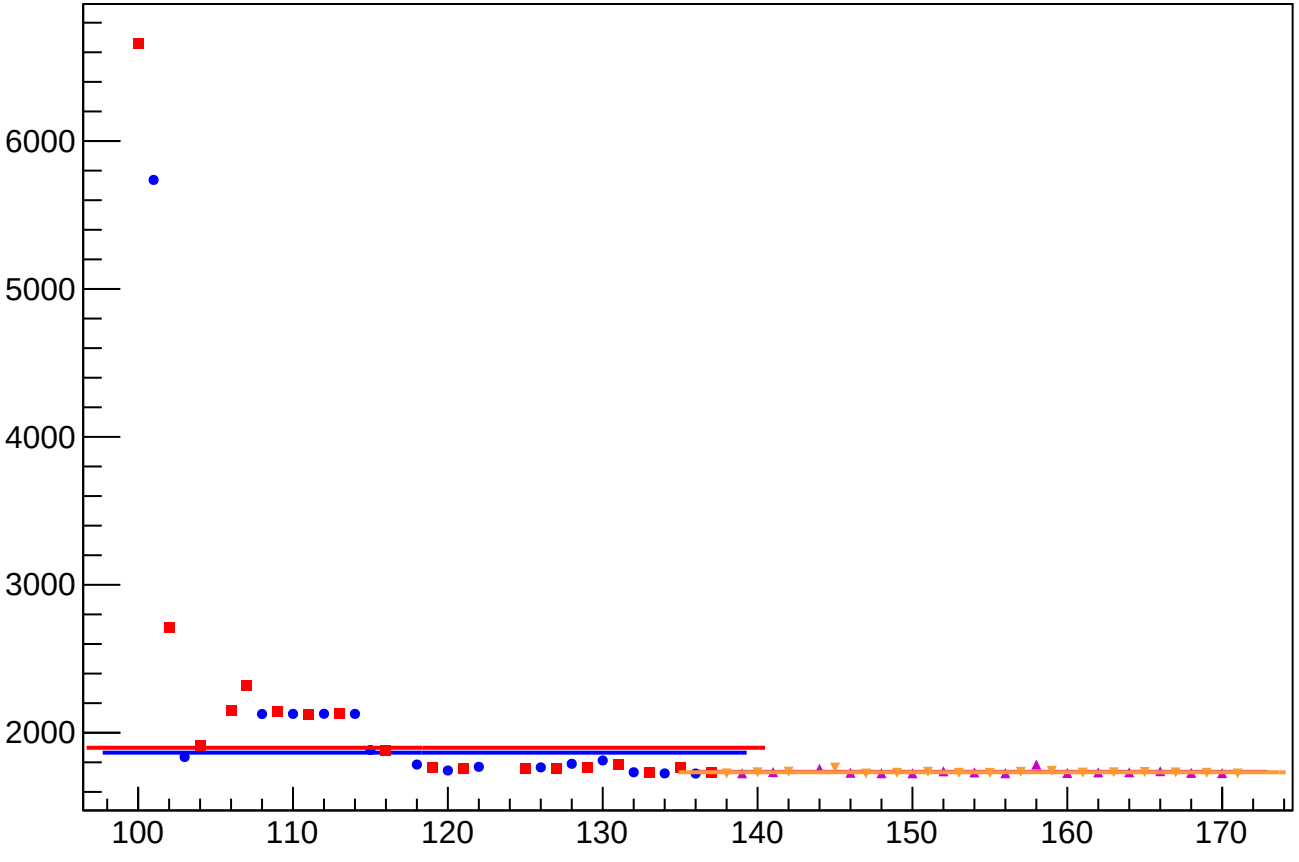
Left In: -77.581+/-477.341 χ^2/NDF:22.5/15

+ sign 216.335+/-393.419 χ^2/NDF: 28.4/32

All: 4.735+/-279.473 χ^2/NDF: 68.1/66

- sign -210.816+/-397.074 χ^2/NDF: 39.1/33

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: 1732.855+/-0.334 χ^2/NDF:718.9/16

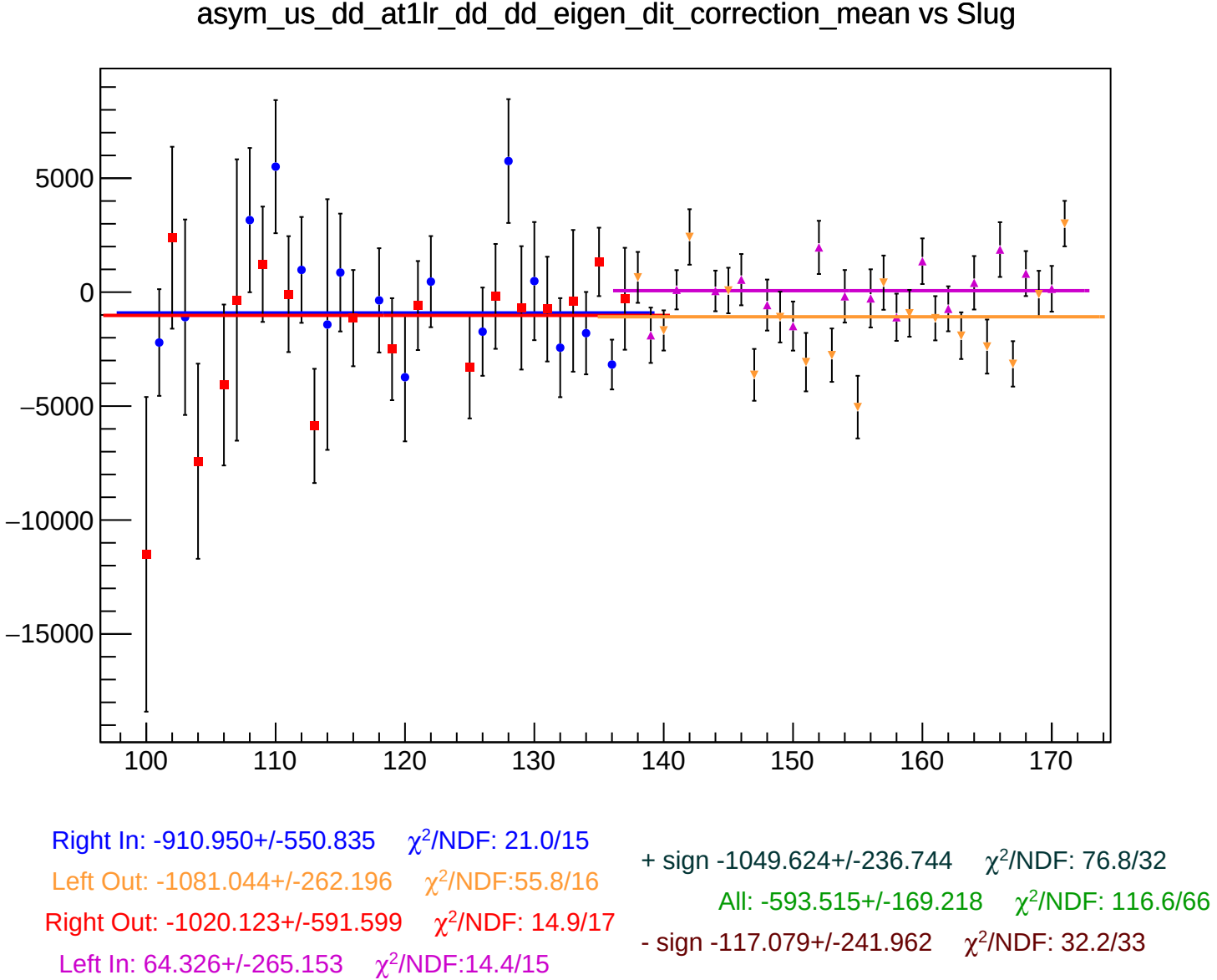
Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

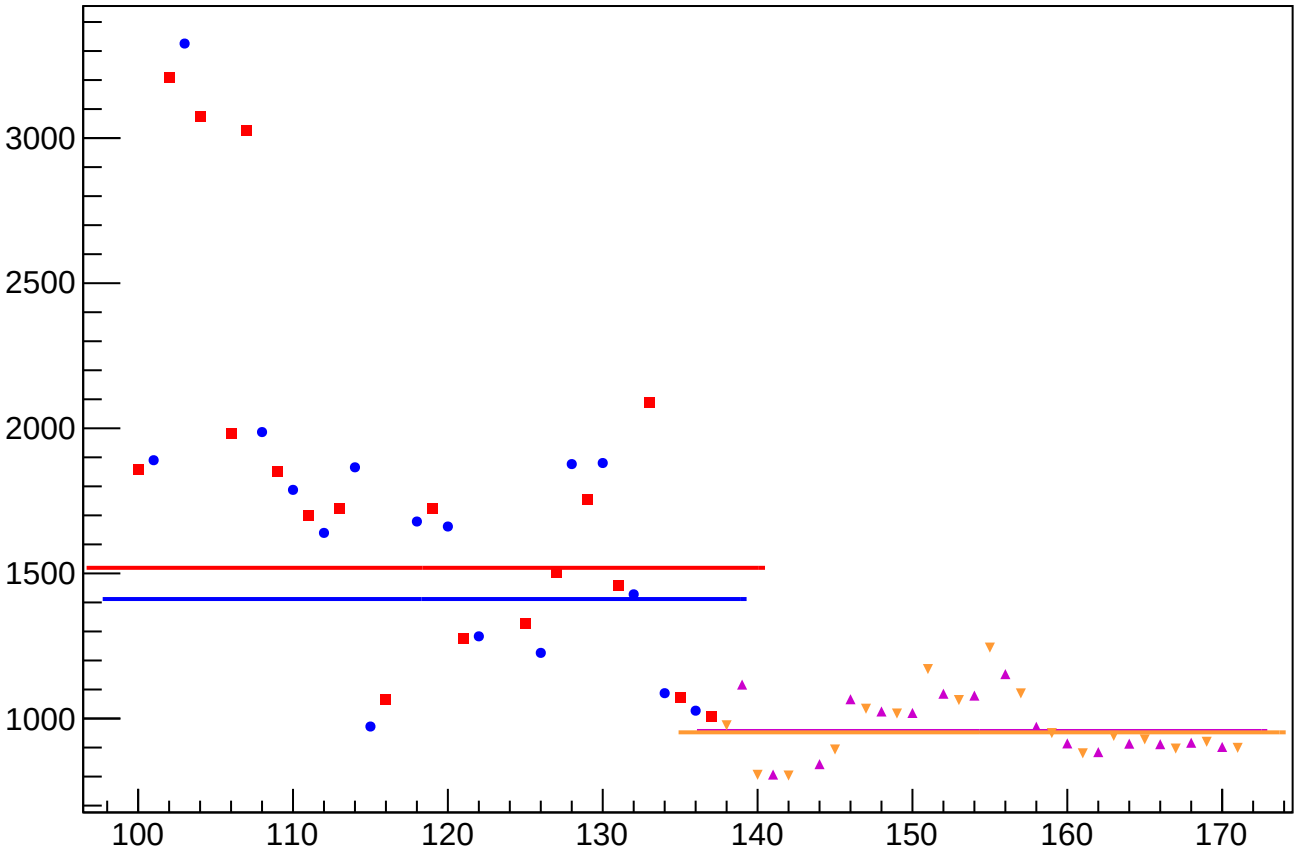
Left In: 1735.667+/-0.338 χ^2/NDF:1977.8/15

+ sign 1773.567+/-0.278 χ^2/NDF: 724040.1/32

All: 1779.655+/-0.198 χ^2/NDF: 1067874.3/66

- sign 1785.857+/-0.281 χ^2/NDF: 342867.3/33


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1081.044+/-262.196 χ²/NDF:55.8/16
Right Out: -1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: 64.326+/-265.153 χ²/NDF:14.4/15
+ sign -1049.624+/-236.744 χ²/NDF: 76.8/32
All: -593.515+/-169.218 χ²/NDF: 116.6/66
- sign -117.079+/-241.962 χ²/NDF: 32.2/33



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 952.428+/-0.185 χ^2/NDF:327684.6/16

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

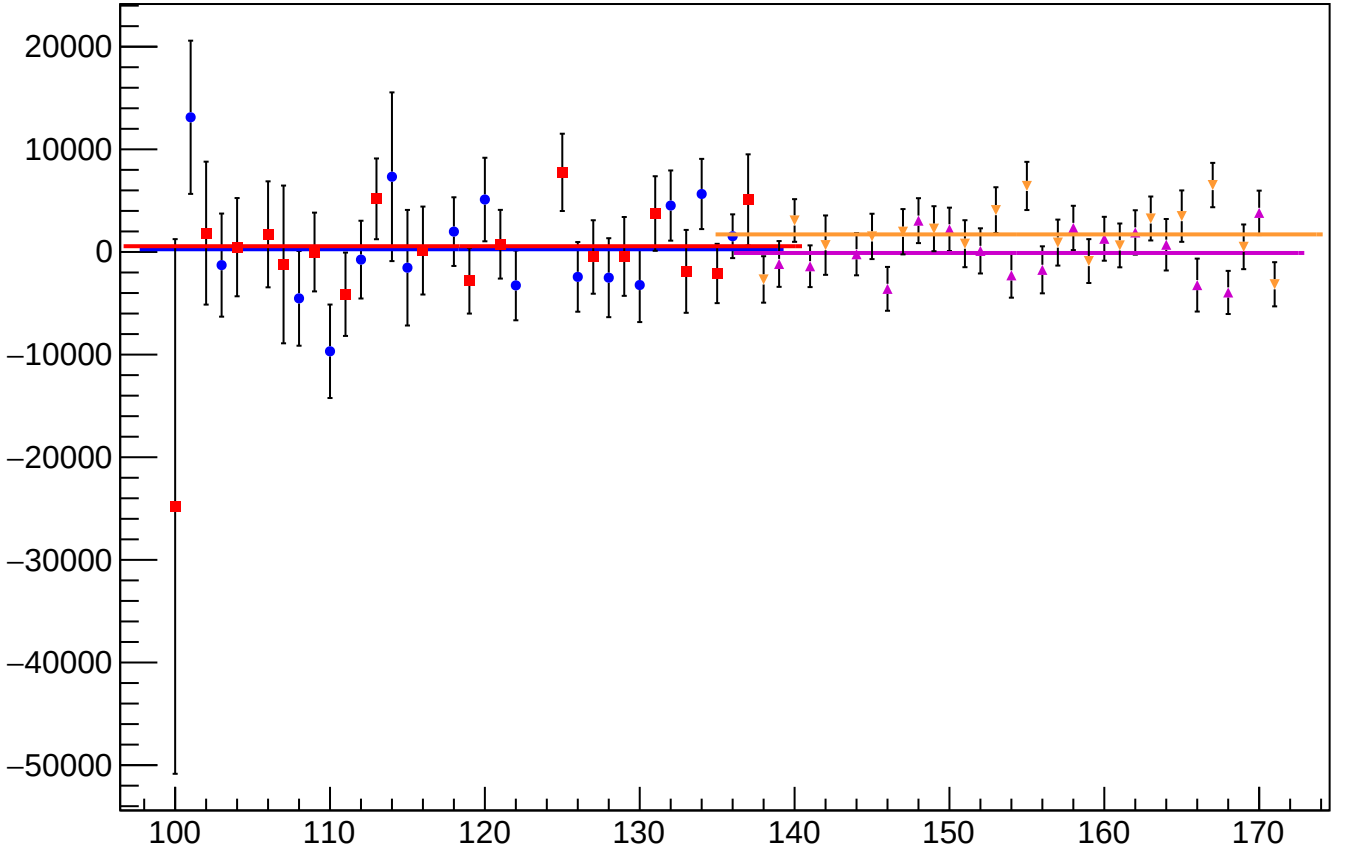
Left In: 957.051+/-0.187 χ^2/NDF:284601.8/15

+ sign 1037.274+/-0.167 χ^2/NDF: 2639181.4/32

All: 1044.038+/-0.120 χ^2/NDF: 5791577.7/66

- sign 1051.103+/-0.171 χ^2/NDF: 3149058.3/33

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1712.543+/-542.772 χ^2/NDF:23.0/16

Right Out: 560.962+/-962.943 χ^2/NDF: 11.7/17

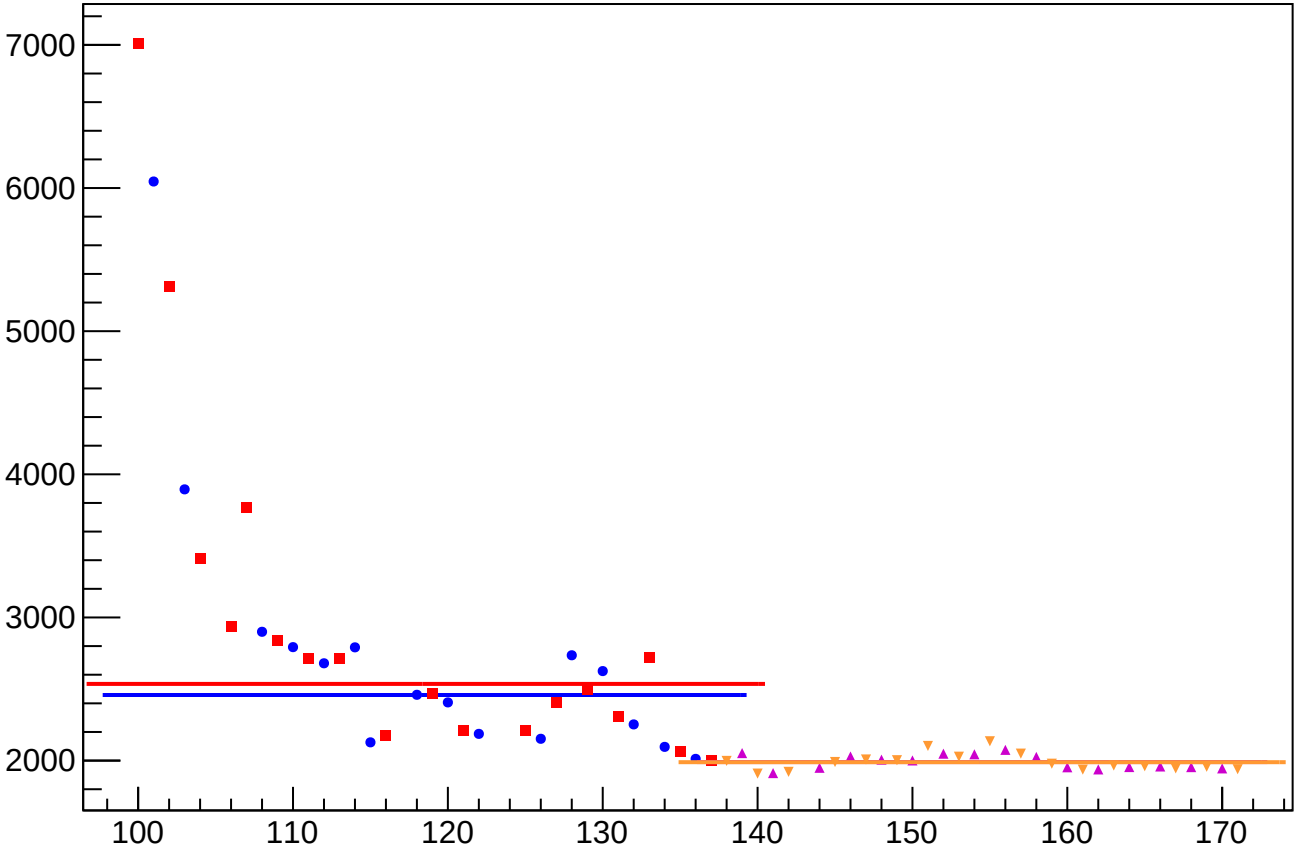
Left In: -97.864+/-547.469 χ^2/NDF:18.8/15

+ sign 1351.582+/-470.288 χ^2/NDF: 43.8/32

All: 715.006+/-334.520 χ^2/NDF: 78.4/66

- sign 63.071+/-475.928 χ^2/NDF: 30.9/33

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1988.926+/-0.384 χ^2/NDF:22963.8/16

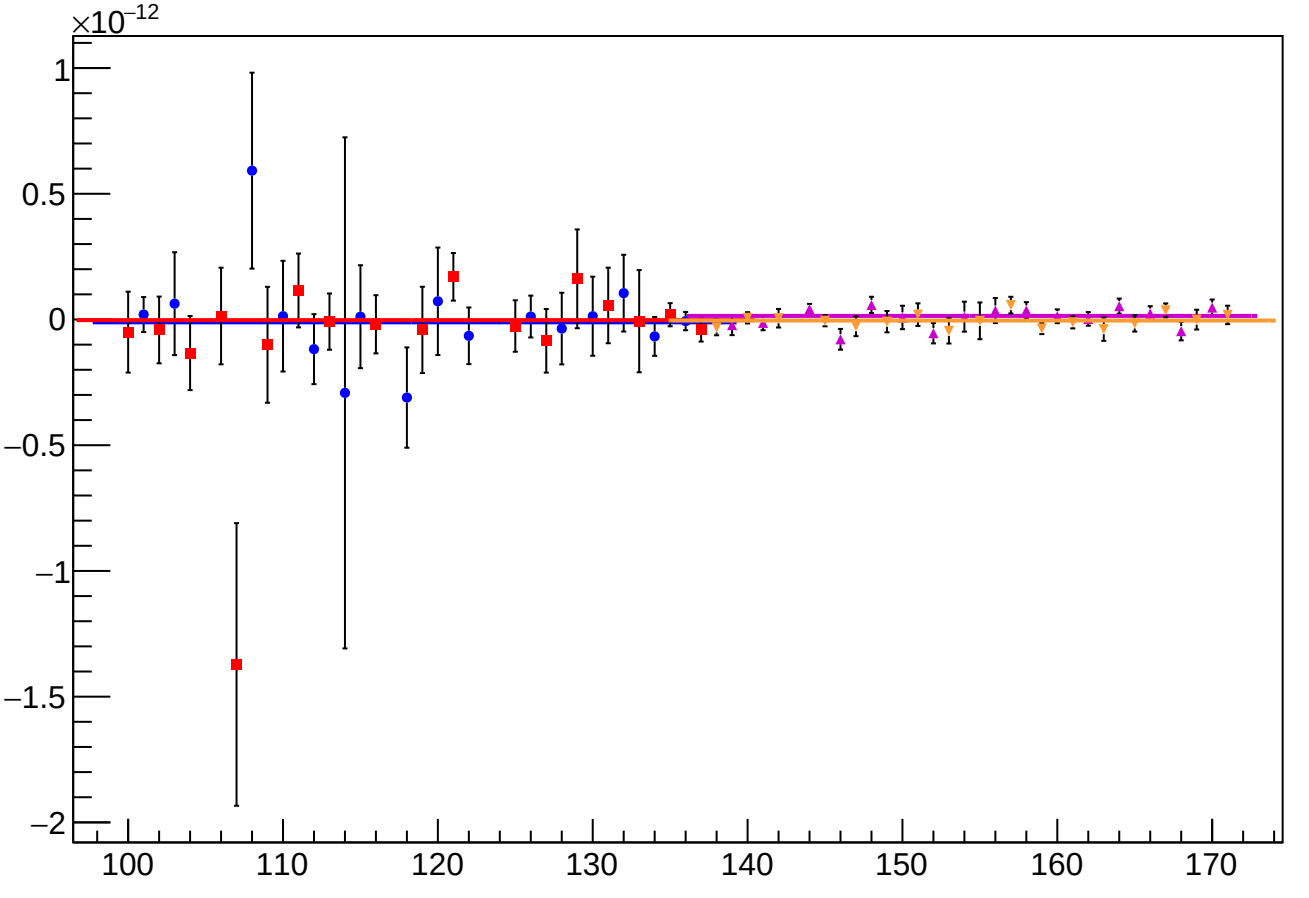
Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1989.885+/-0.387 χ^2/NDF:15817.0/15

+ sign 2105.928+/-0.333 χ^2/NDF: 1228703.8/32

All: 2114.478+/-0.237 χ^2/NDF: 2404950.9/66

- sign 2123.235+/-0.337 χ^2/NDF: 1174908.9/33



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/16

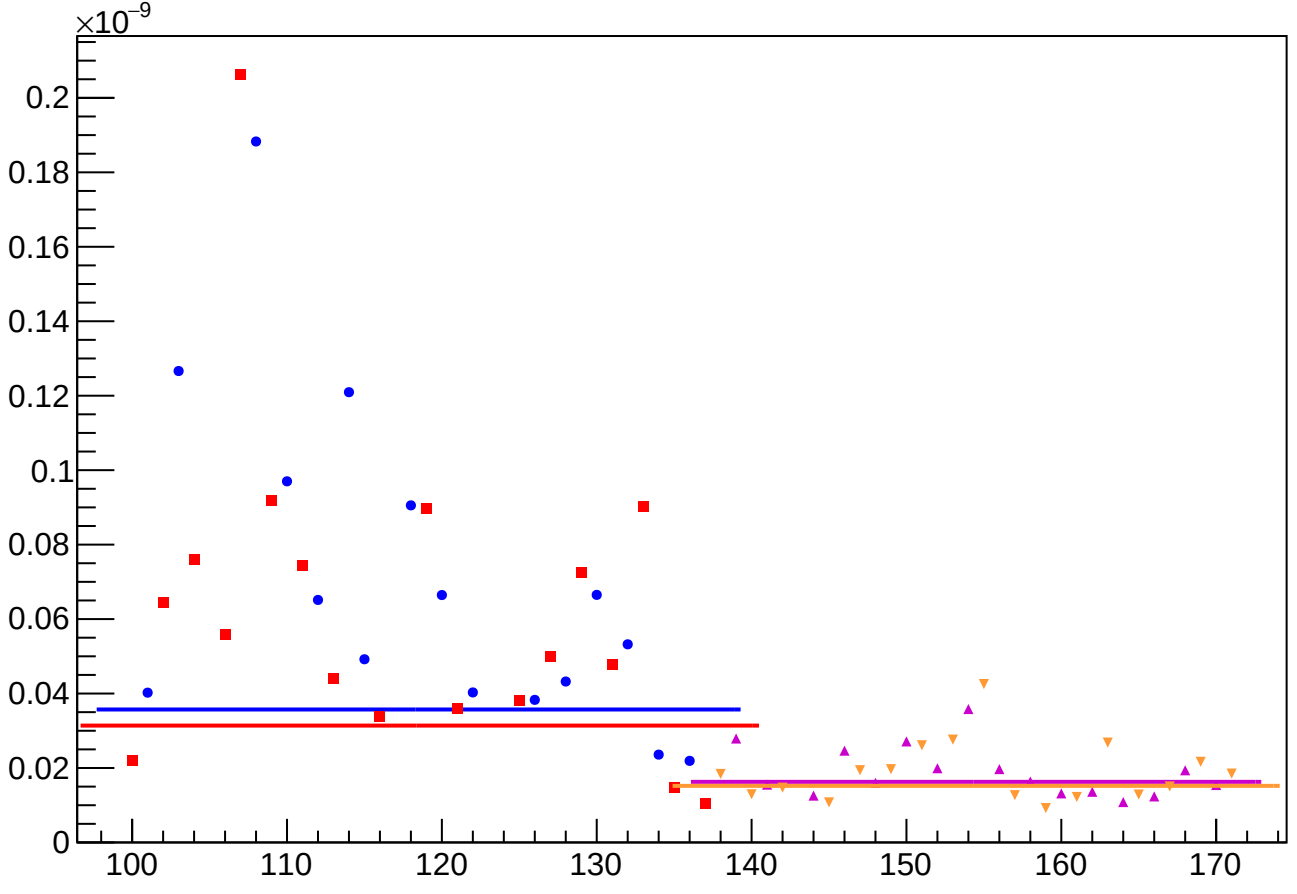
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: 0.000+/-0.000 χ^2/NDF:19.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 18.4/32

All: 0.000+/-0.000 χ^2/NDF: 54.2/66

- sign 0.000+/-0.000 χ^2/NDF: 33.1/33



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1076844.8/16

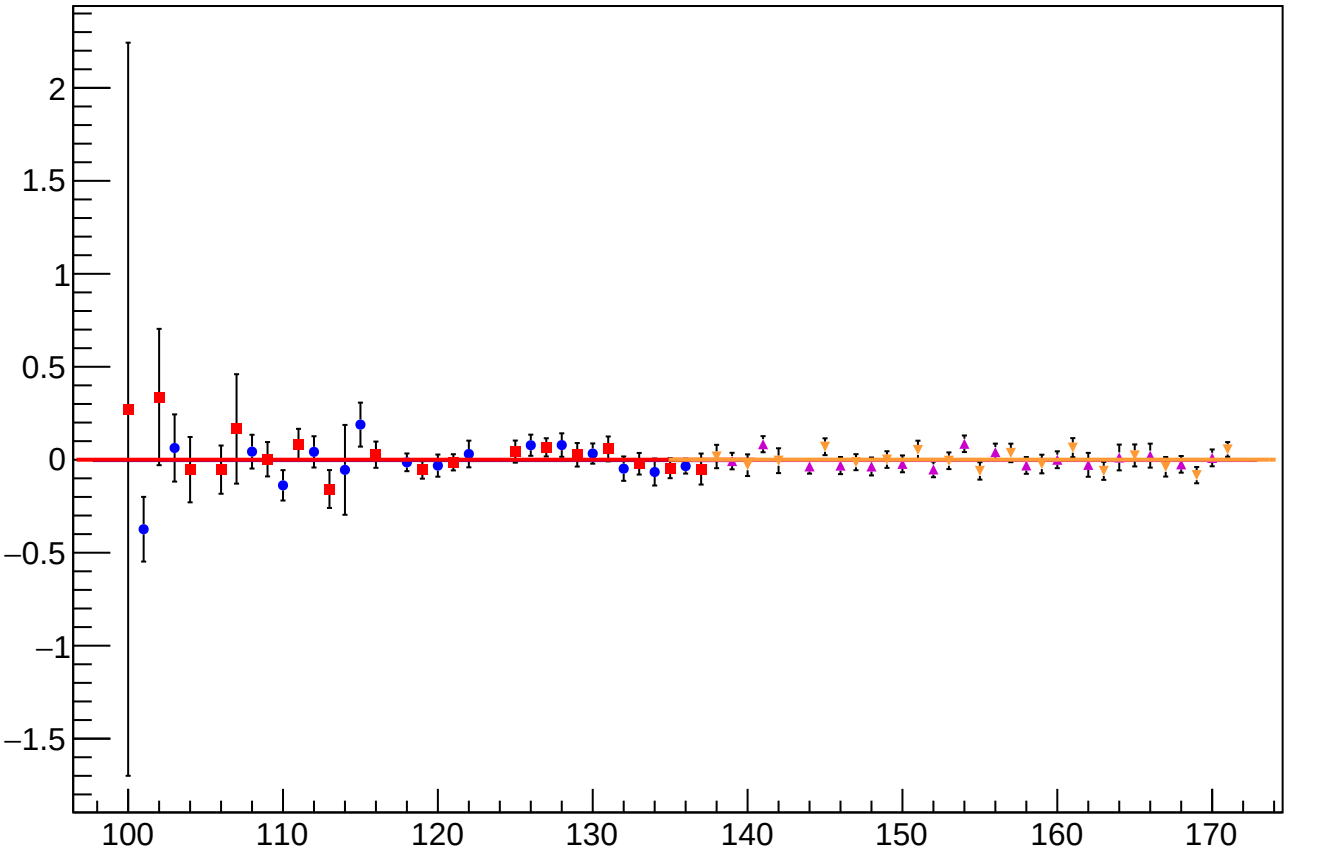
Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:826408.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 3968709.1/32

All: 0.000+/-0.000 χ^2/NDF: 7564775.2/66

- sign 0.000+/-0.000 χ^2/NDF: 3586003.9/33



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.012 χ^2/NDF:15.7/16

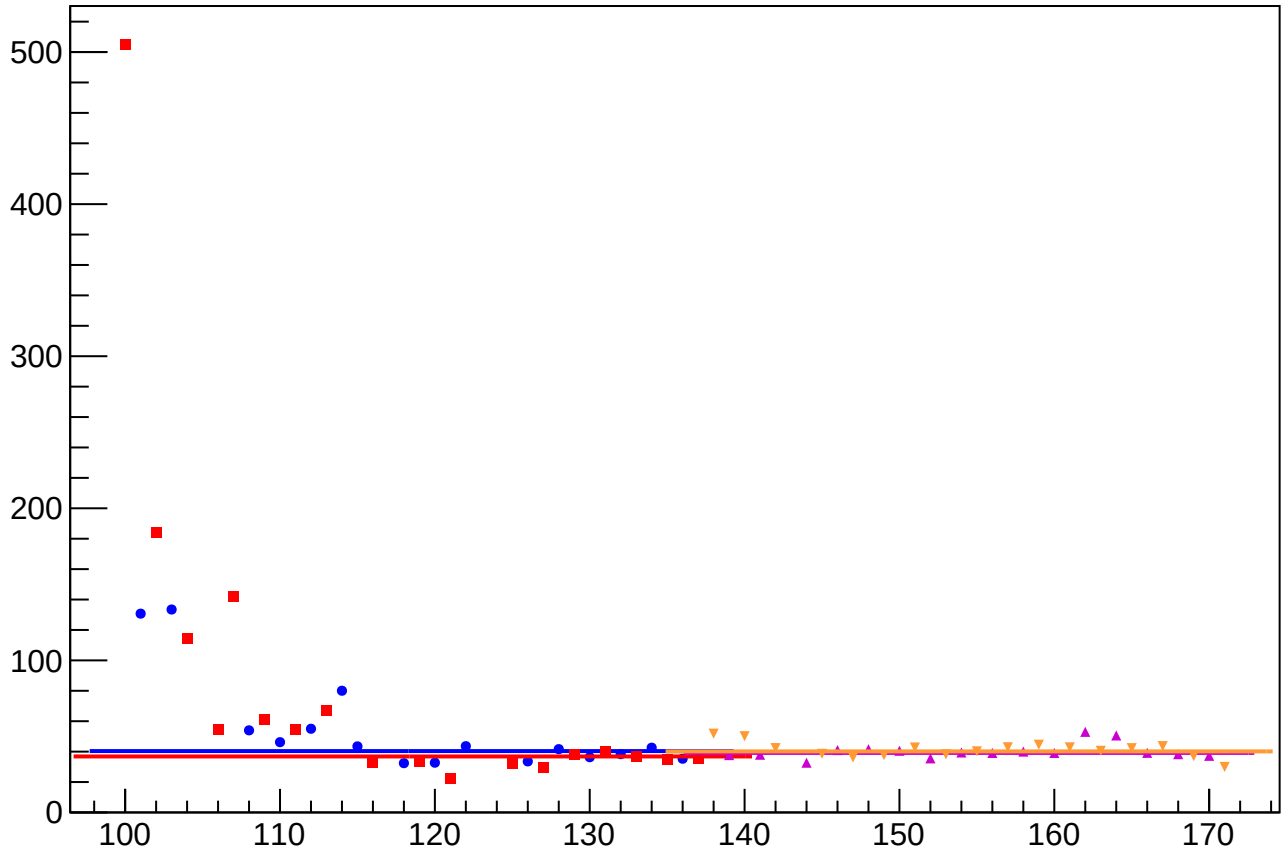
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.012 χ^2/NDF:13.0/15

+ sign -0.000+/-0.010 χ^2/NDF: 32.9/32

All: -0.001+/-0.007 χ^2/NDF: 56.8/66

- sign -0.001+/-0.010 χ^2/NDF: 23.9/33



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.150+/-0.008 χ^2/NDF:345508.2/16

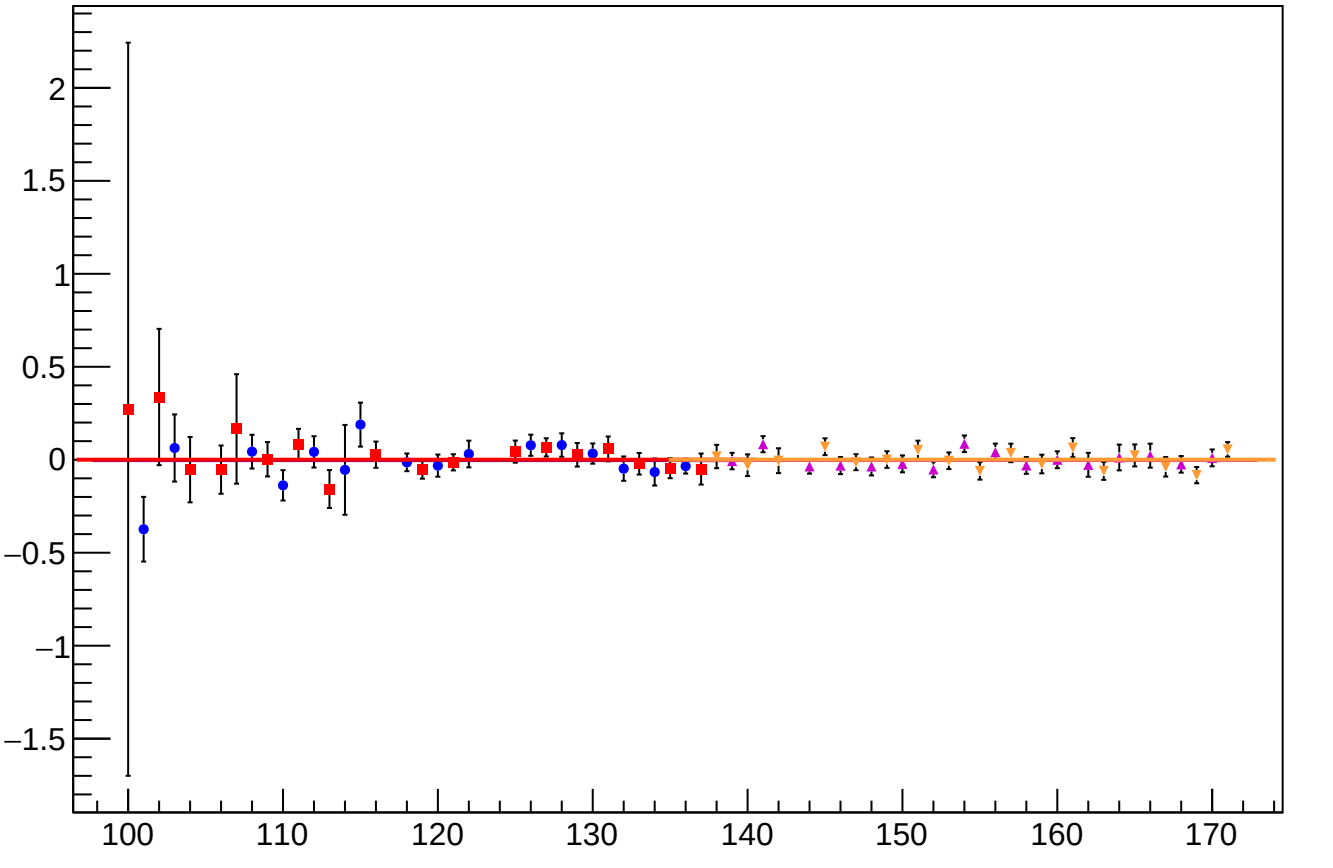
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.153+/-0.008 χ^2/NDF:235987.4/15

+ sign 40.216+/-0.007 χ^2/NDF: 1755832.3/32

All: 39.283+/-0.005 χ^2/NDF: 3890995.9/66

- sign 38.383+/-0.007 χ^2/NDF: 2099233.4/33



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.012 χ^2/NDF:15.7/16

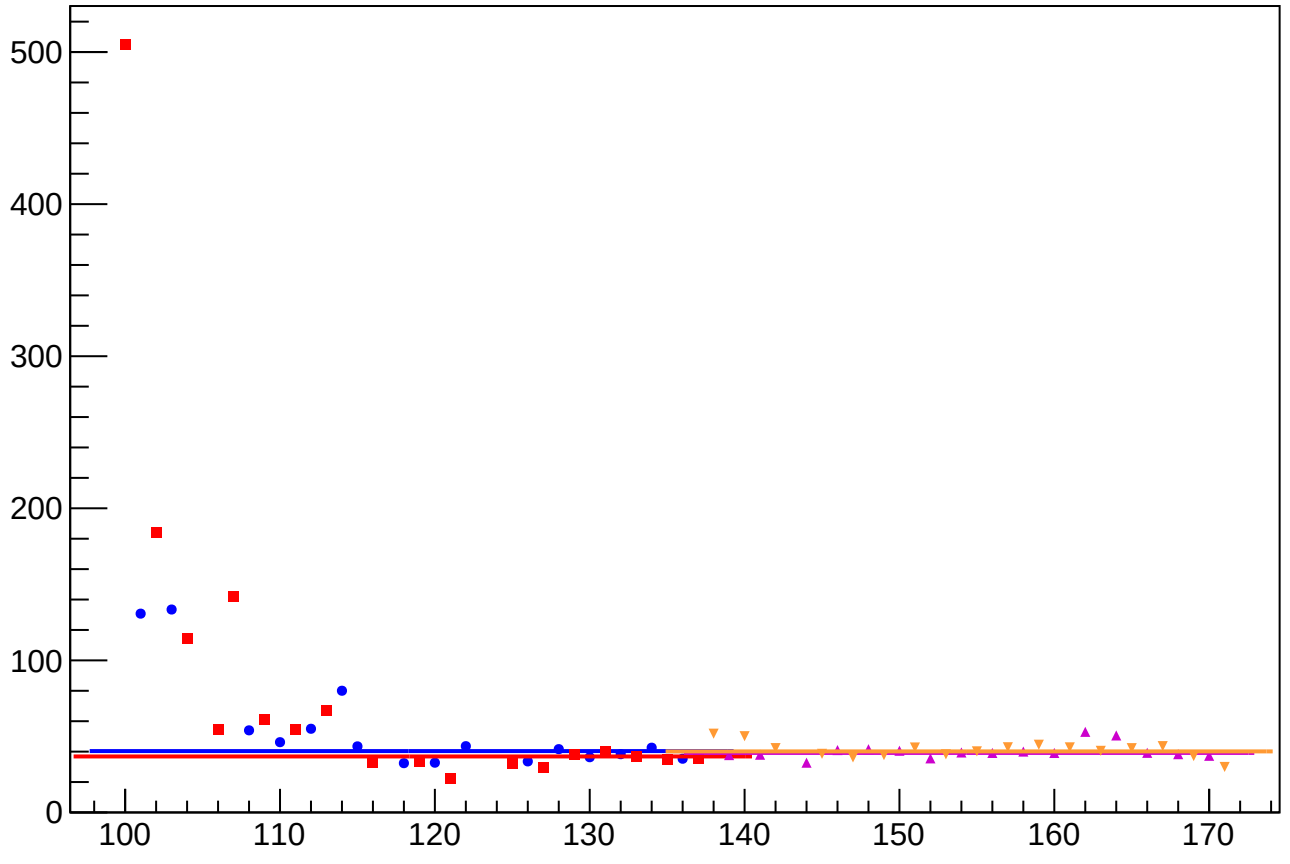
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.012 χ^2/NDF:13.0/15

+ sign -0.000+/-0.010 χ^2/NDF: 32.9/32

All: -0.001+/-0.007 χ^2/NDF: 56.8/66

- sign -0.001+/-0.010 χ^2/NDF: 23.9/33



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.150+/-0.008 χ^2/NDF:345508.2/16

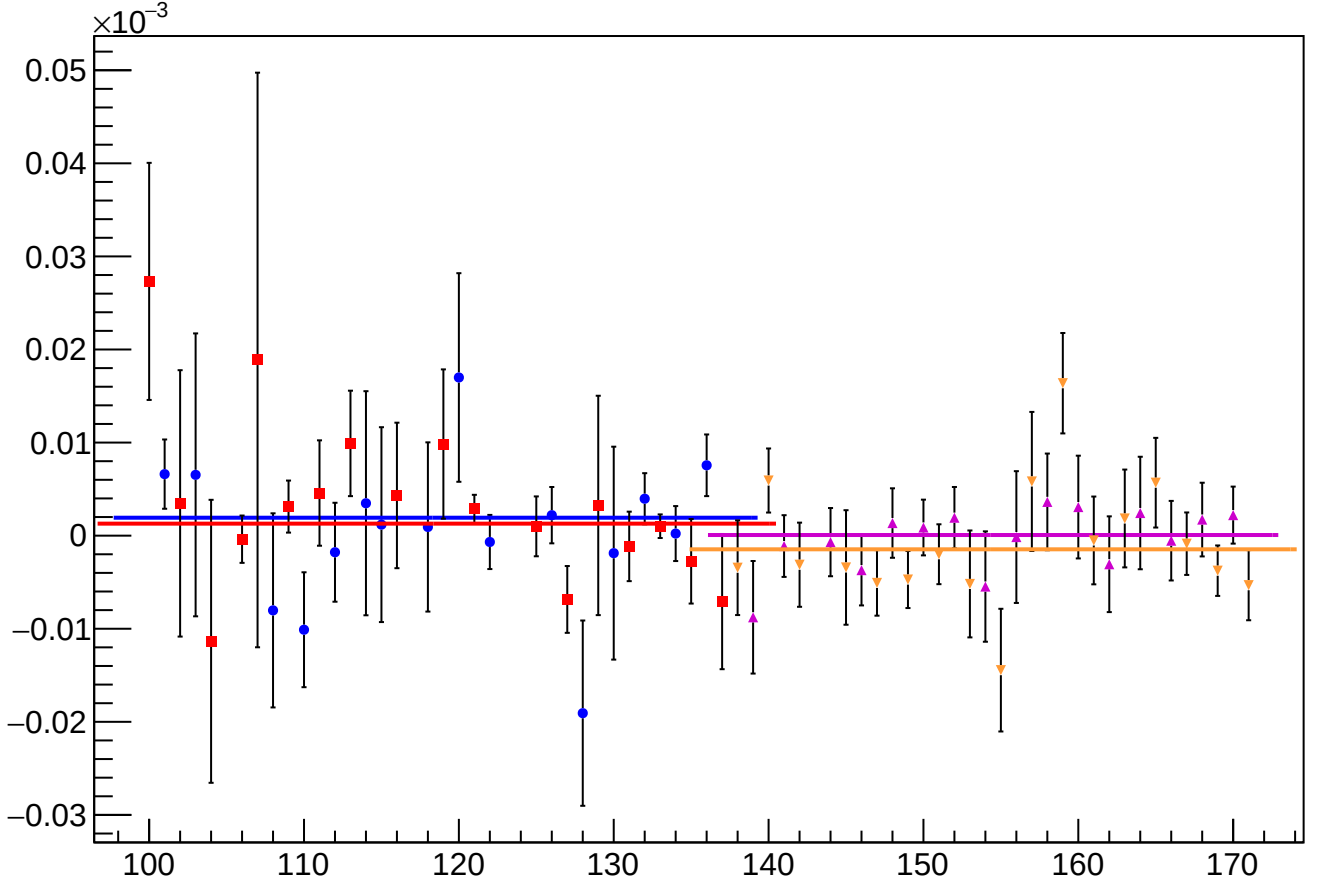
Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.153+/-0.008 χ^2/NDF:235987.4/15

+ sign 40.216+/-0.007 χ^2/NDF: 1755832.3/32

All: 39.283+/-0.005 χ^2/NDF: 3890995.9/66

- sign 38.383+/-0.007 χ^2/NDF: 2099233.4/33



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/16

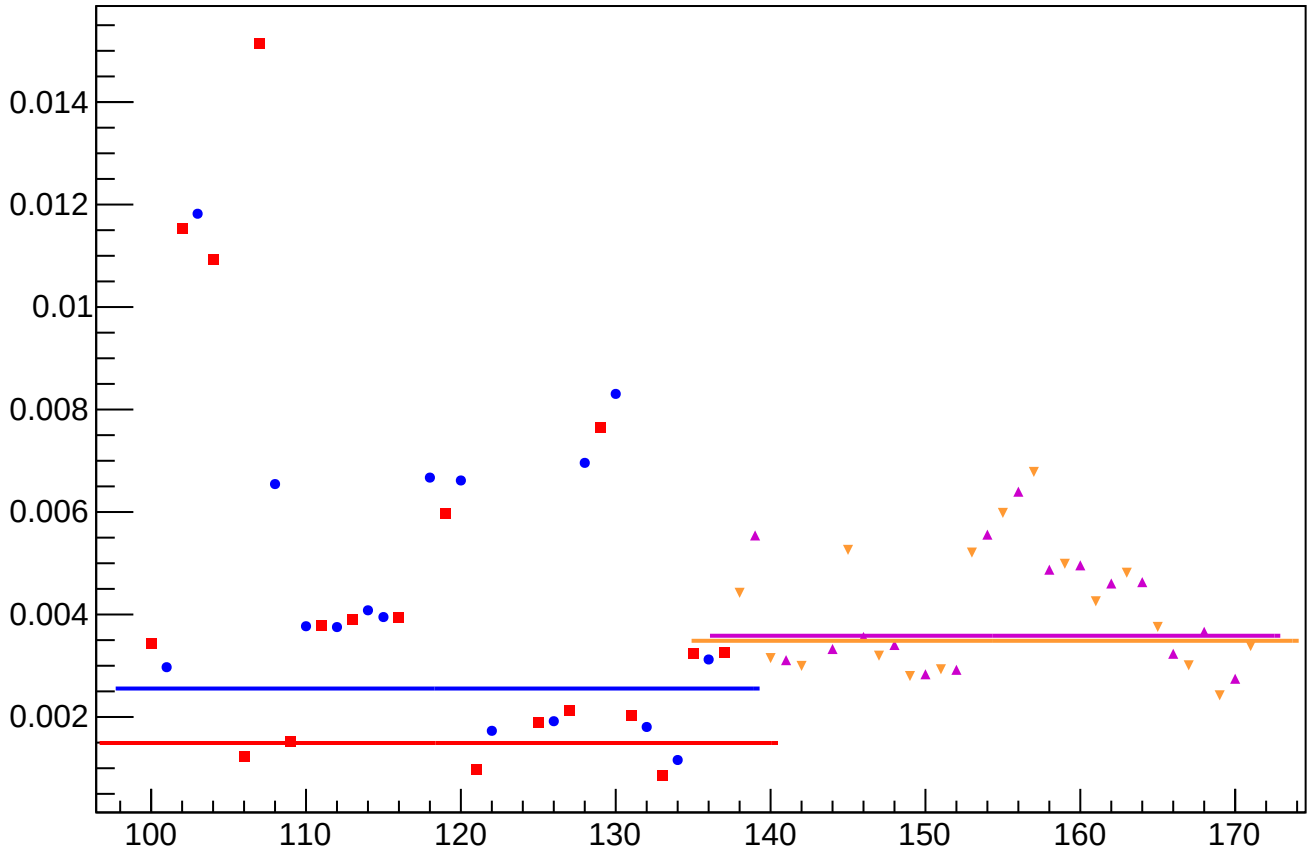
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:6.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 50.7/32

All: 0.000+/-0.000 χ^2/NDF: 78.0/66

- sign 0.000+/-0.000 χ^2/NDF: 26.5/33



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:2000065.8/16

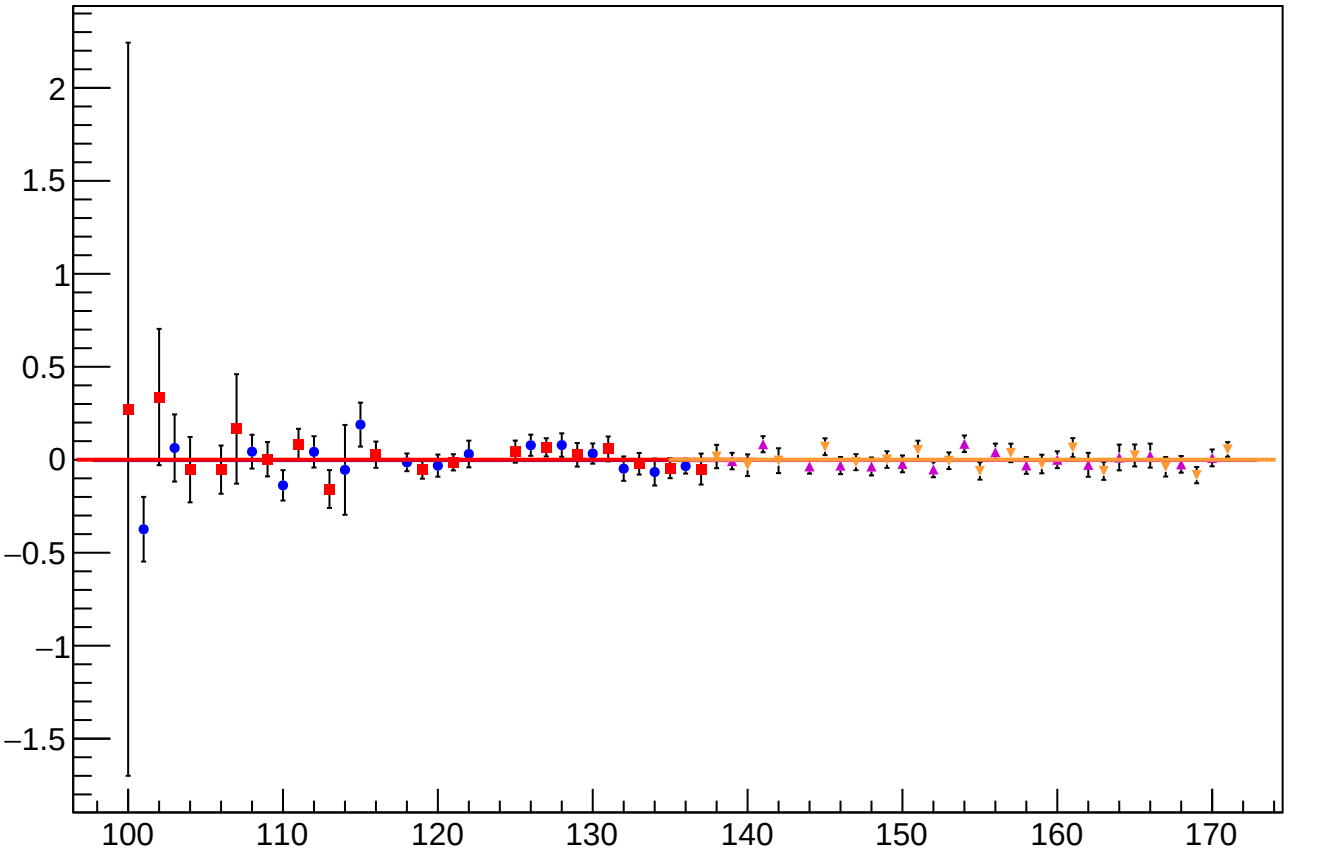
Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1560088.2/15

+ sign 0.003+/-0.000 χ^2/NDF: 6538548.8/32

All: 0.003+/-0.000 χ^2/NDF: 20659626.5/66

- sign 0.002+/-0.000 χ^2/NDF: 12524115.6/33



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.012 χ^2/NDF:15.7/16

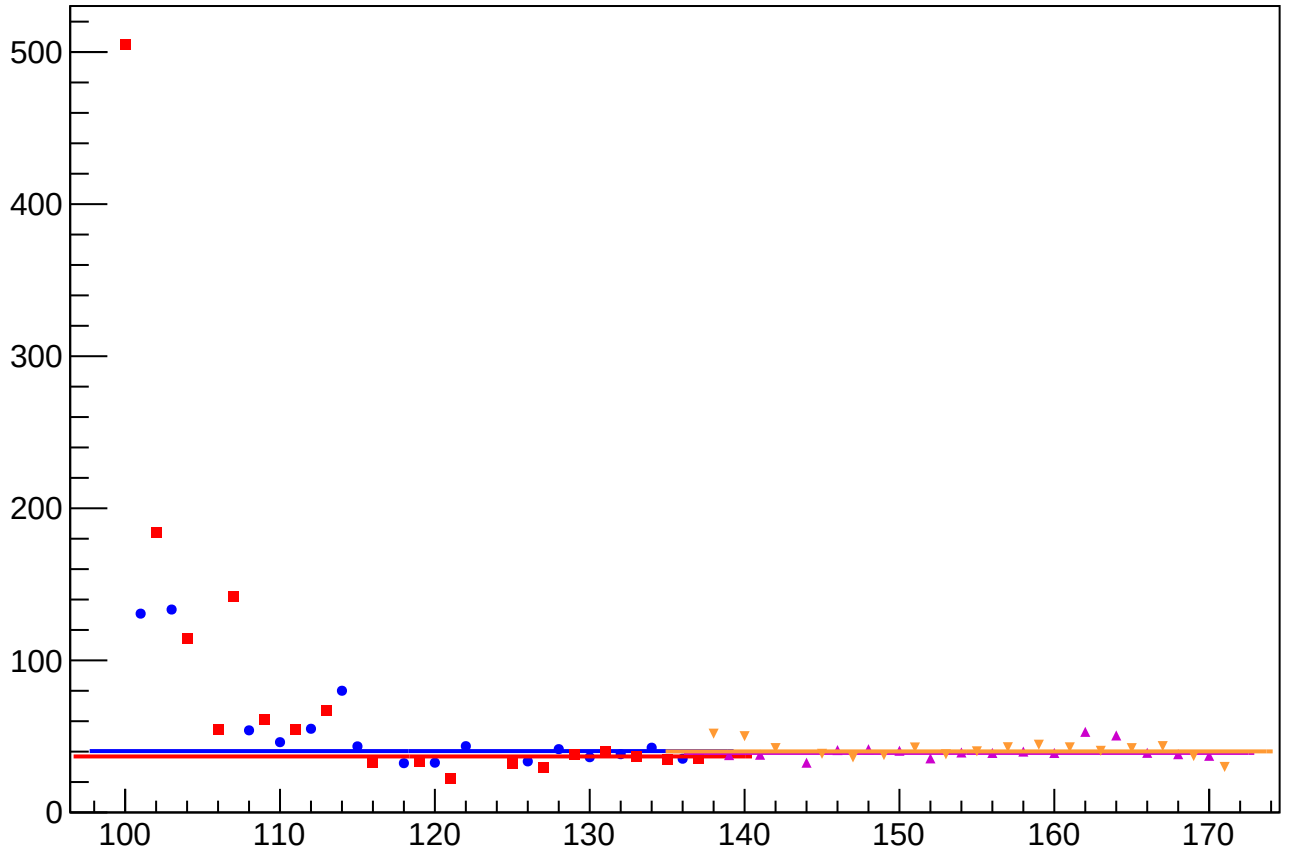
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.012 χ^2/NDF:13.0/15

+ sign -0.000+/-0.010 χ^2/NDF: 32.9/32

All: -0.001+/-0.007 χ^2/NDF: 56.8/66

- sign -0.001+/-0.010 χ^2/NDF: 23.9/33



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.150+/-0.008 χ^2/NDF:345552.0/16

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

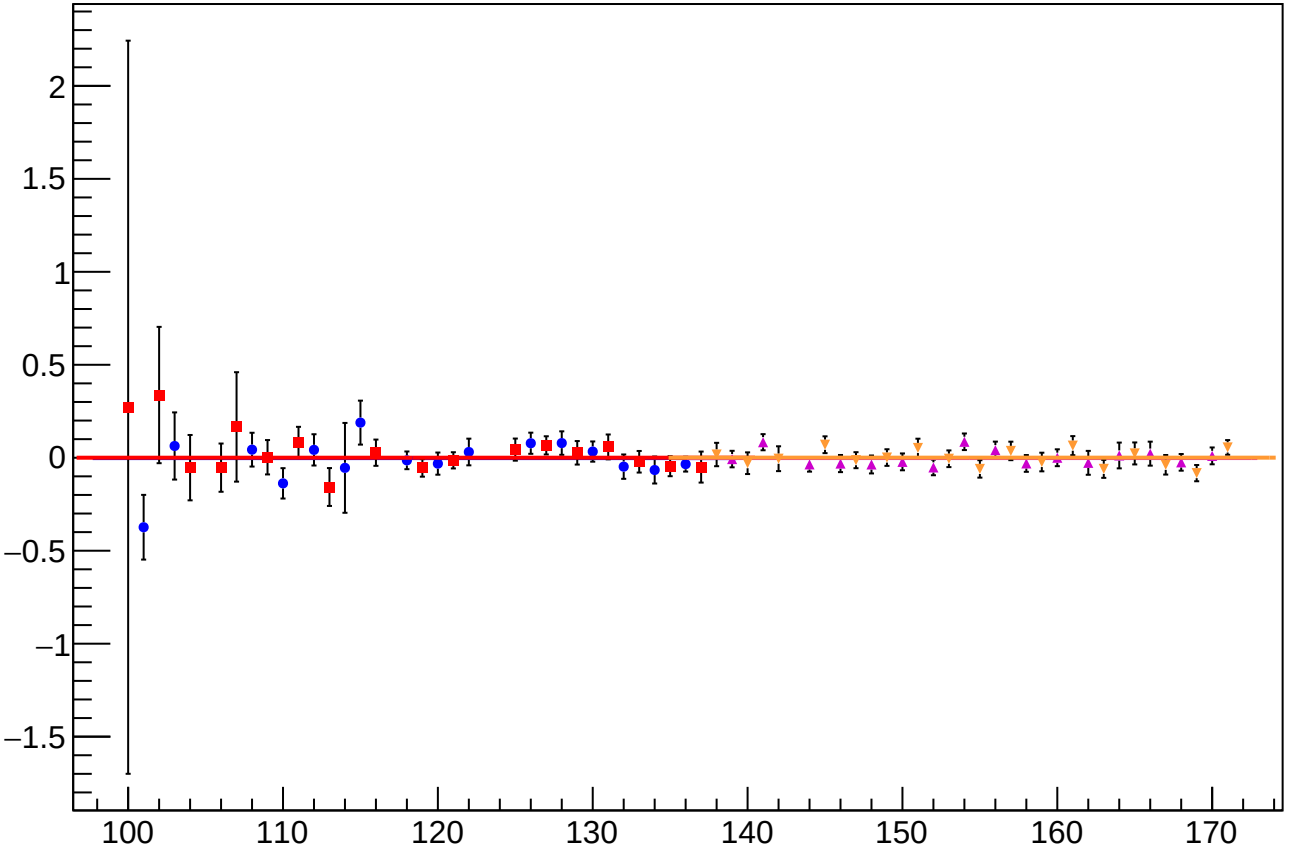
Left In: 39.153+/-0.008 χ^2/NDF:235960.3/15

+ sign 40.216+/-0.007 χ^2/NDF: 1755777.2/32

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/66

- sign 38.382+/-0.007 χ^2/NDF: 2099218.2/33

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: 0.000+/-0.012 χ^2/NDF:15.7/16

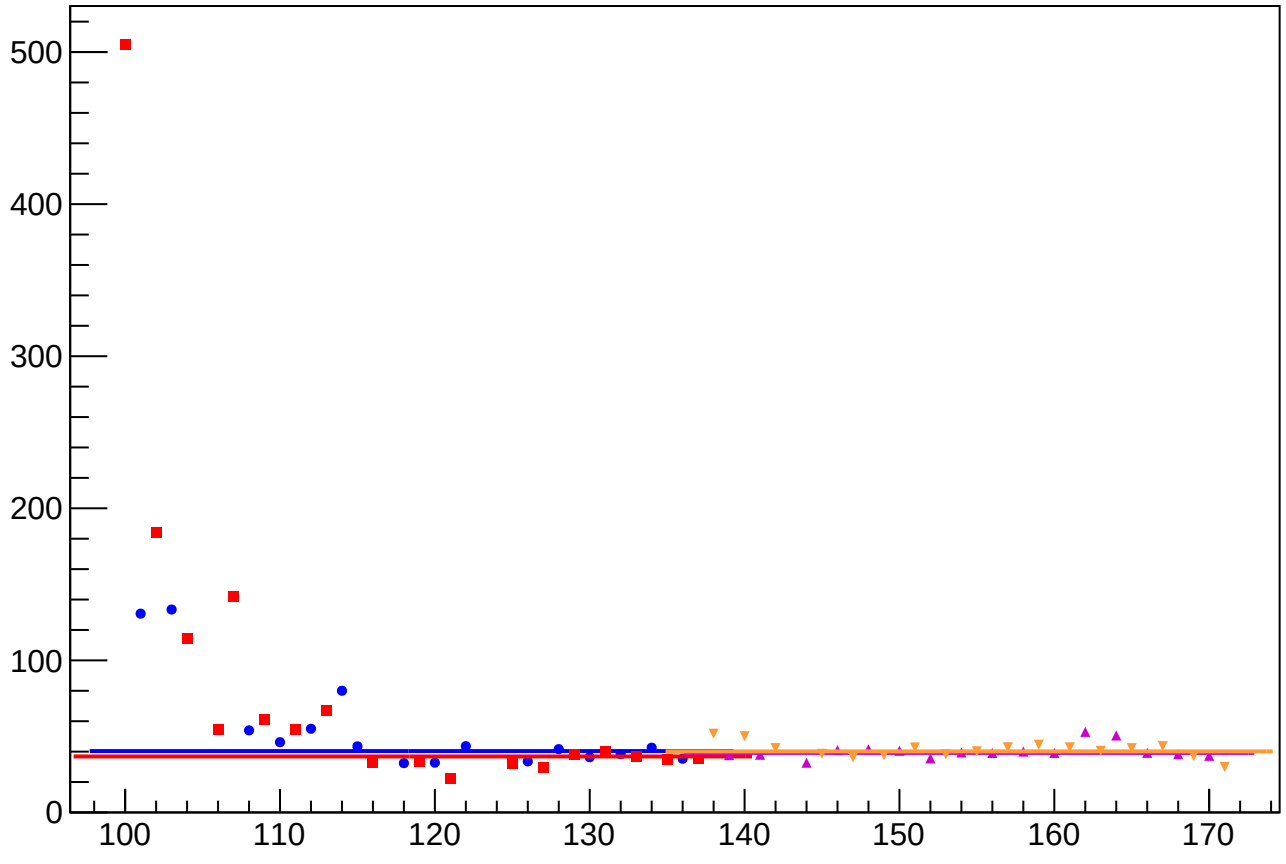
Right Out: 0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.002+/-0.012 χ^2/NDF:13.0/15

+ sign -0.000+/-0.010 χ^2/NDF: 32.9/32

All: -0.001+/-0.007 χ^2/NDF: 56.8/66

- sign -0.001+/-0.010 χ^2/NDF: 23.9/33



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.150+/-0.008 χ^2/NDF:345552.0/16

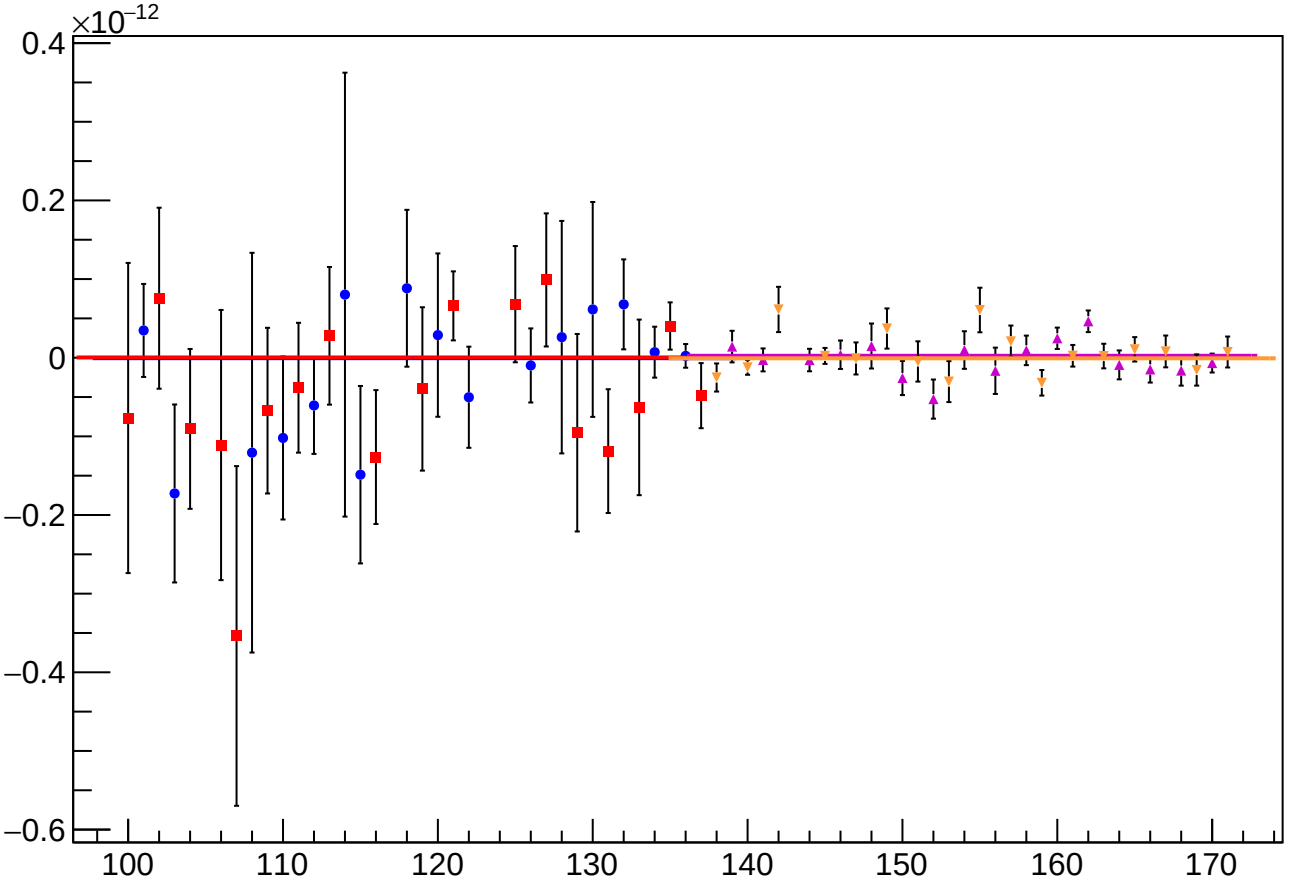
Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.153+/-0.008 χ^2/NDF:235960.3/15

+ sign 40.216+/-0.007 χ^2/NDF: 1755777.2/32

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/66

- sign 38.382+/-0.007 χ^2/NDF: 2099218.2/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/16

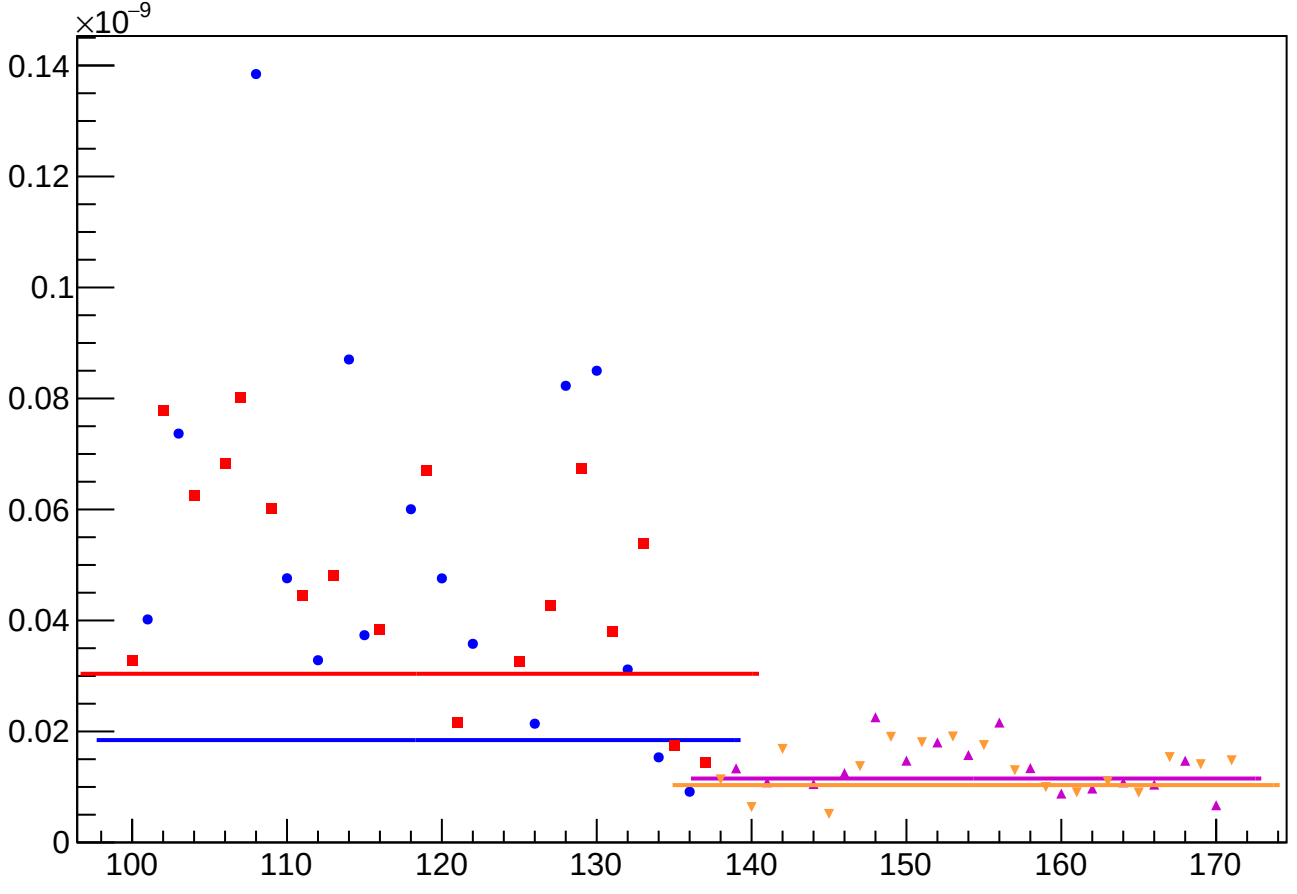
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:23.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/32

All: 0.000+/-0.000 χ^2/NDF: 75.1/66

- sign 0.000+/-0.000 χ^2/NDF: 42.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2178571.1/16

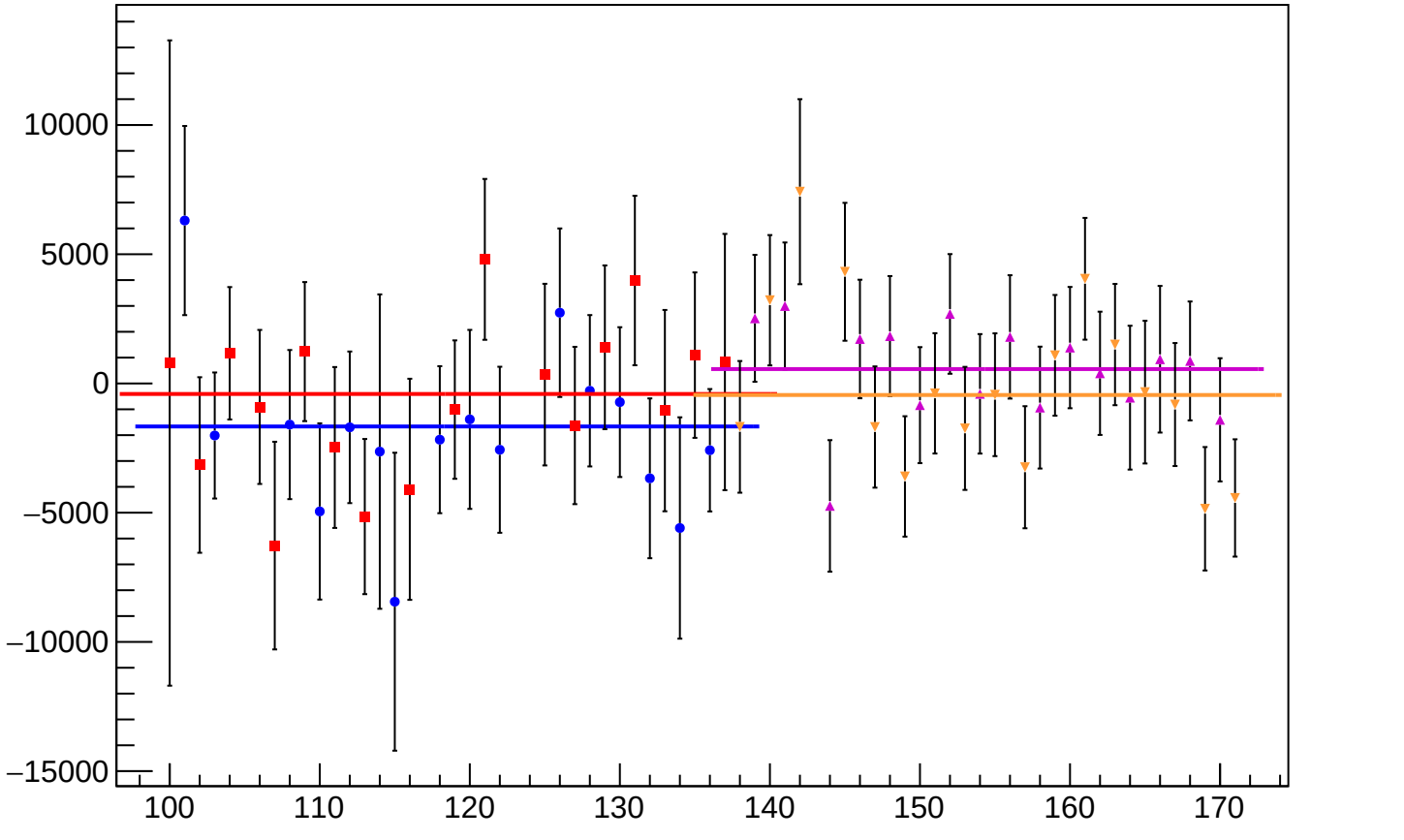
Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1335178.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 7077676.8/32

All: 0.000+/-0.000 χ^2/NDF: 13400921.4/66

- sign 0.000+/-0.000 χ^2/NDF: 6178767.6/33



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.463+/-593.827 χ^2/NDF:25.4/16

Right Out: -406.847+/-777.158 χ^2/NDF: 12.7/17

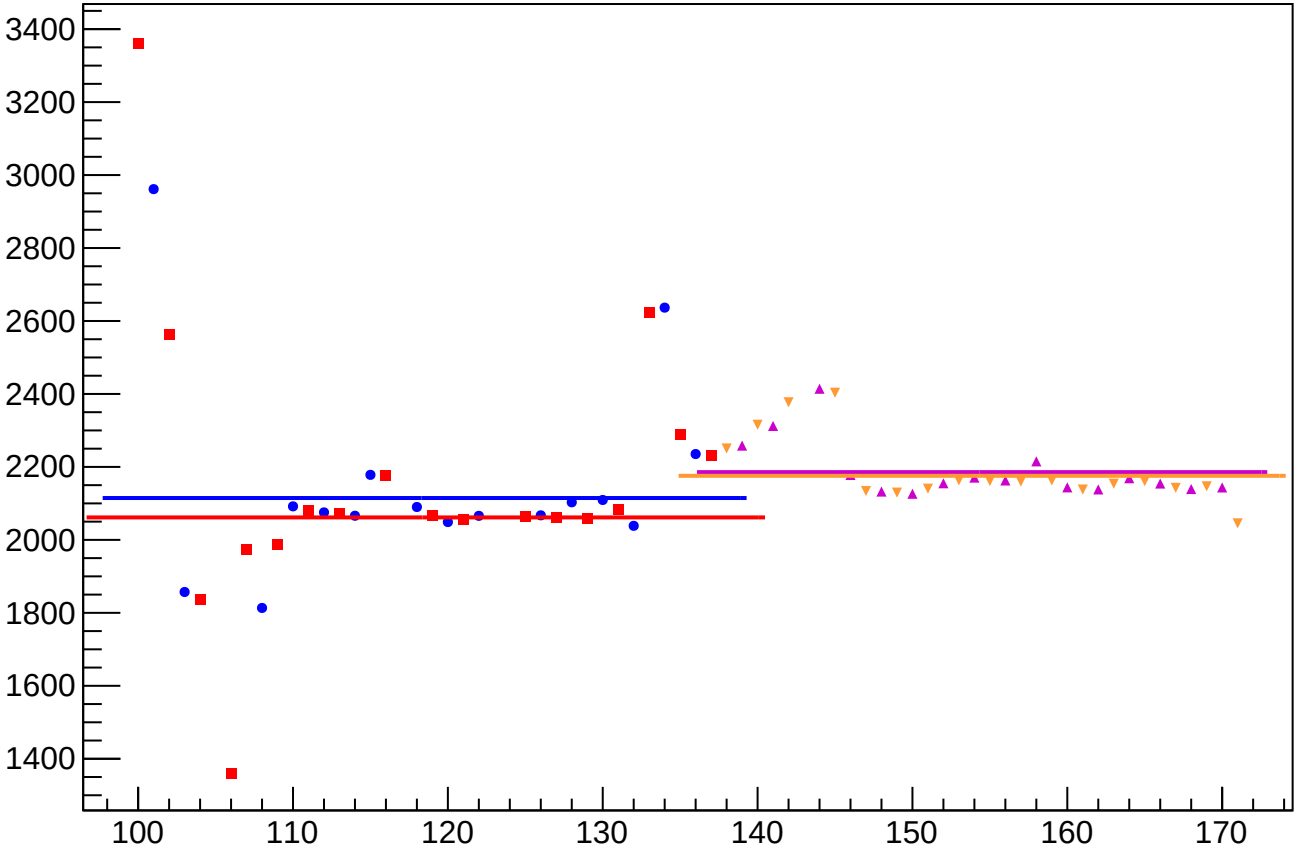
Left In: 557.321+/-601.454 χ^2/NDF:9.6/15

+ sign -884.607+/-475.147 χ^2/NDF: 37.7/32

All: -344.795+/-336.157 χ^2/NDF: 63.6/66

- sign 196.156+/-475.648 χ^2/NDF: 23.3/33

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2175.620+/-0.420 χ^2/NDF:38938.3/16

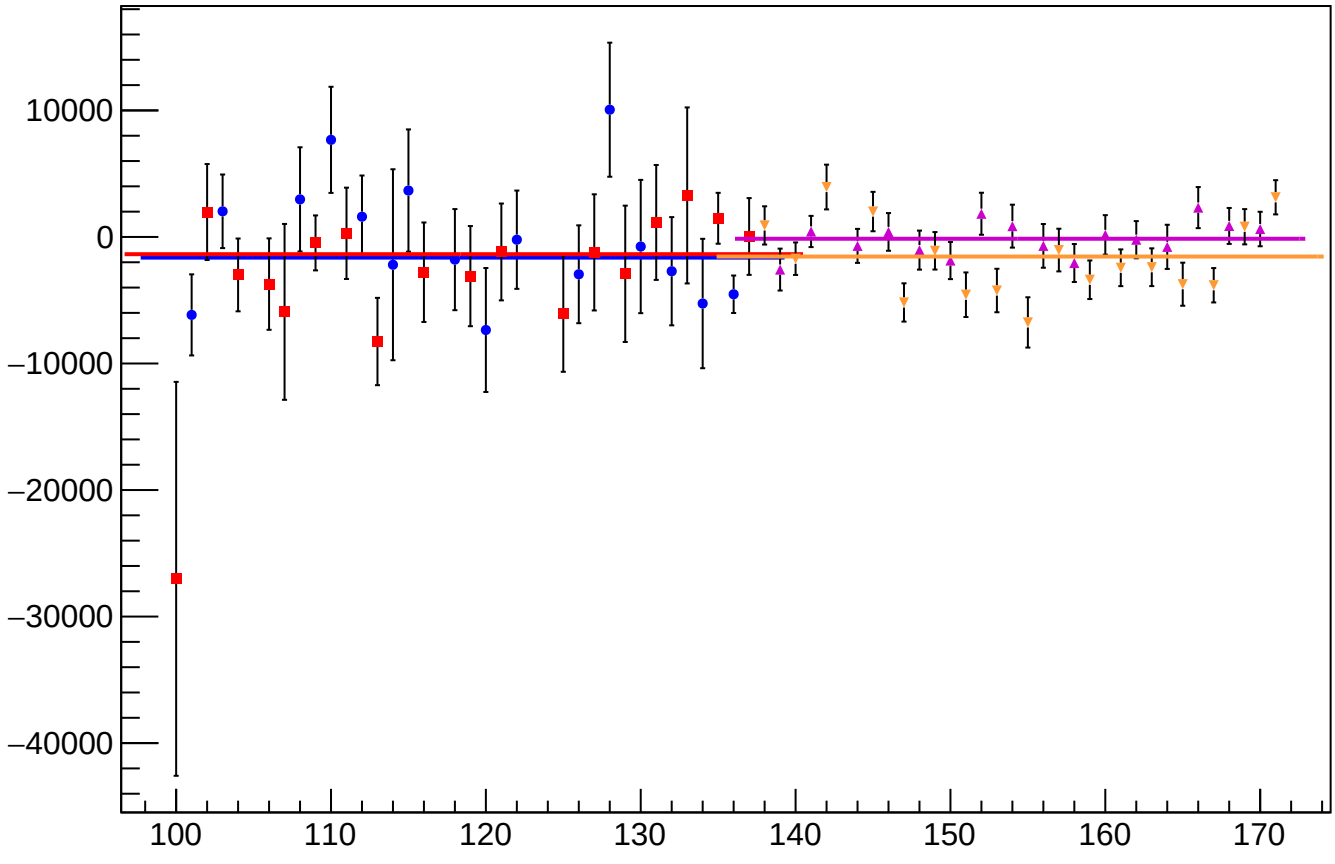
Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

+ sign 2153.722+/-0.336 χ^2/NDF: 236417.9/32

All: 2146.475+/-0.238 χ^2/NDF: 548219.8/66

- sign 2139.212+/-0.336 χ^2/NDF: 310870.3/33



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1547.993+/-371.747 χ^2/NDF:57.1/16

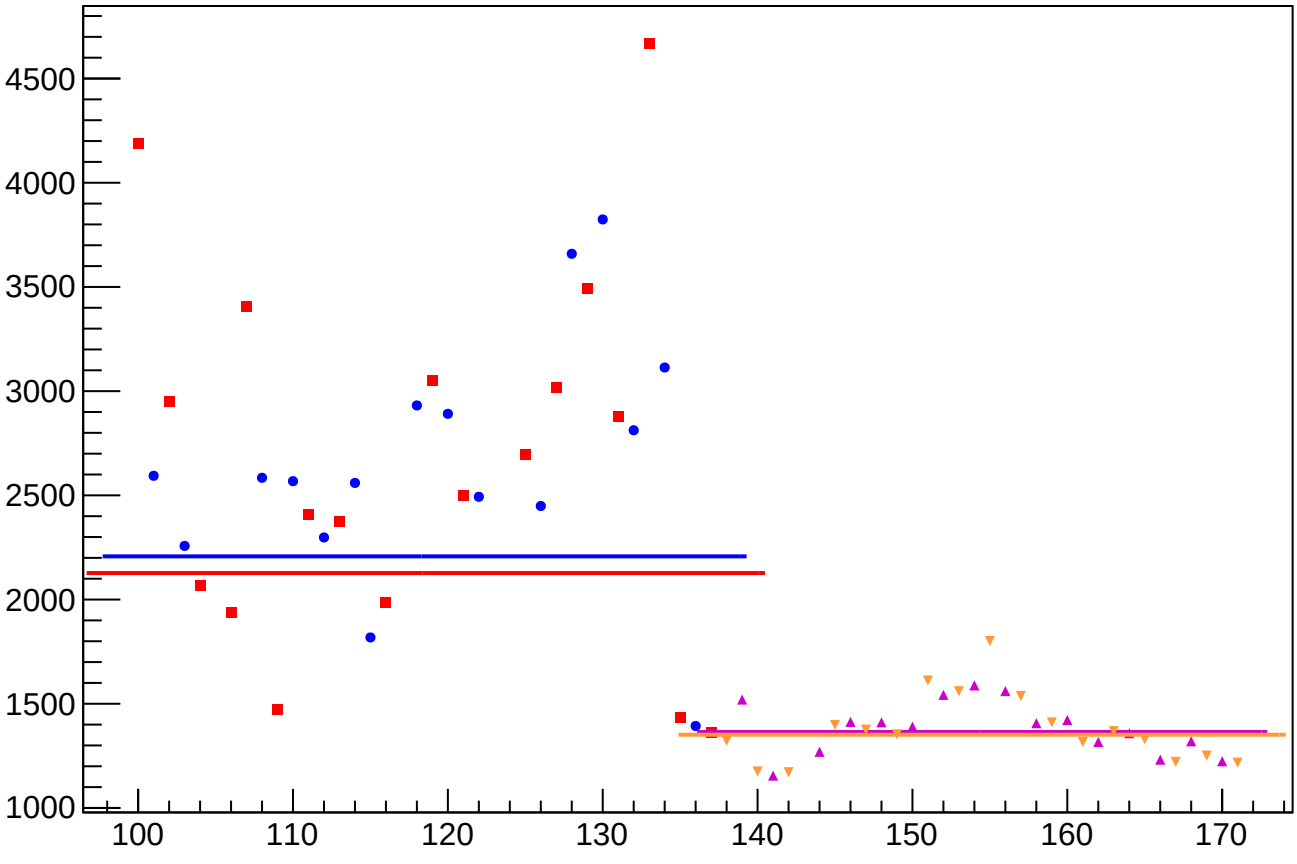
Right Out: -1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: -142.215+/-377.528 χ^2/NDF:11.2/15

+ sign -1560.917+/-341.382 χ^2/NDF: 80.0/32

All: -959.262+/-242.446 χ^2/NDF: 112.7/66

- sign -347.004+/-344.377 χ^2/NDF: 26.4/33



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1351.472+/-0.263 χ^2/NDF:314177.1/16

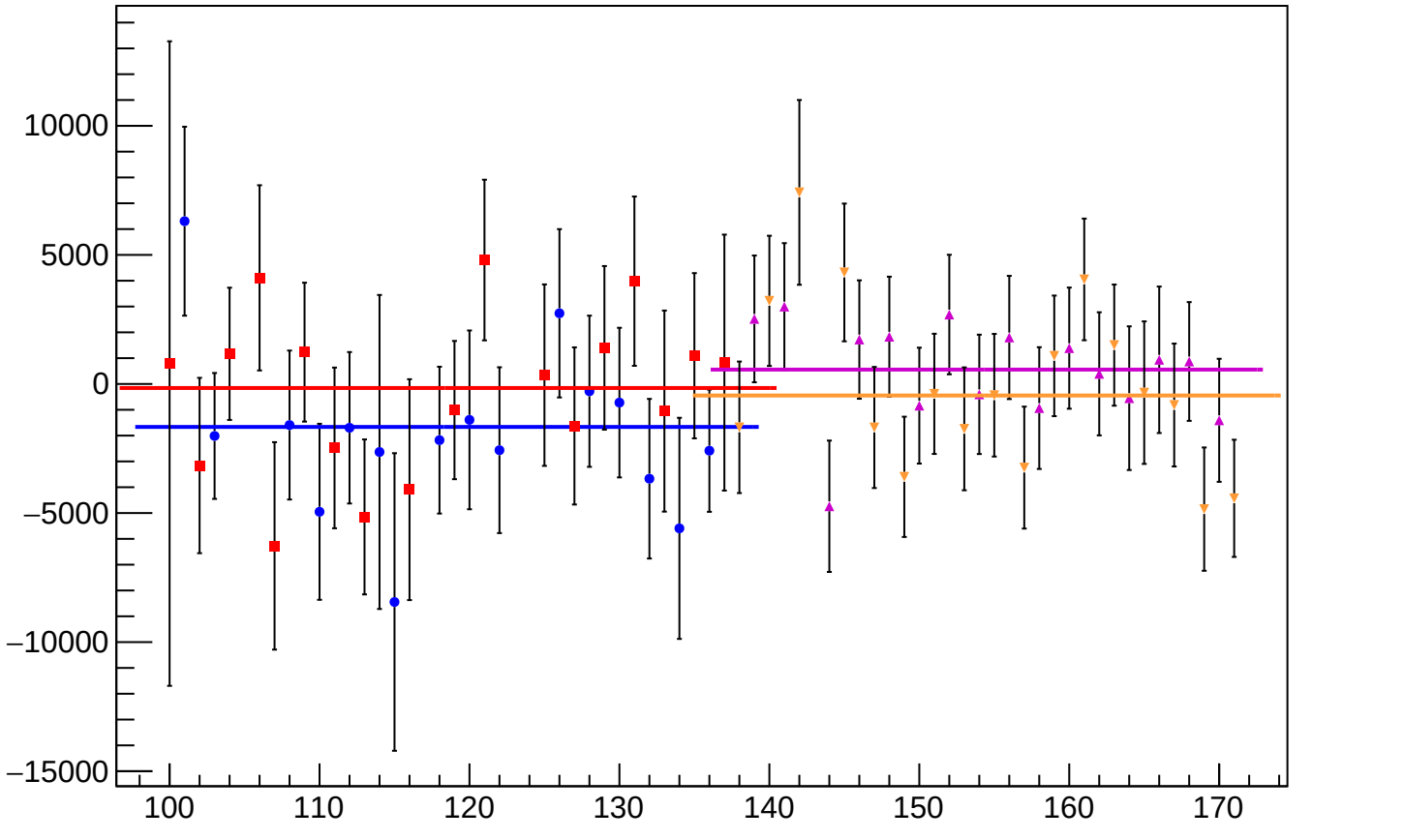
Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1364.347+/-0.267 χ^2/NDF:216462.5/15

+ sign 1485.567+/-0.241 χ^2/NDF: 3224205.2/32

All: 1488.975+/-0.171 χ^2/NDF: 6270373.5/66

- sign 1492.443+/-0.244 χ^2/NDF: 3045766.1/33



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.288+/-593.827 χ^2/NDF:25.4/16

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

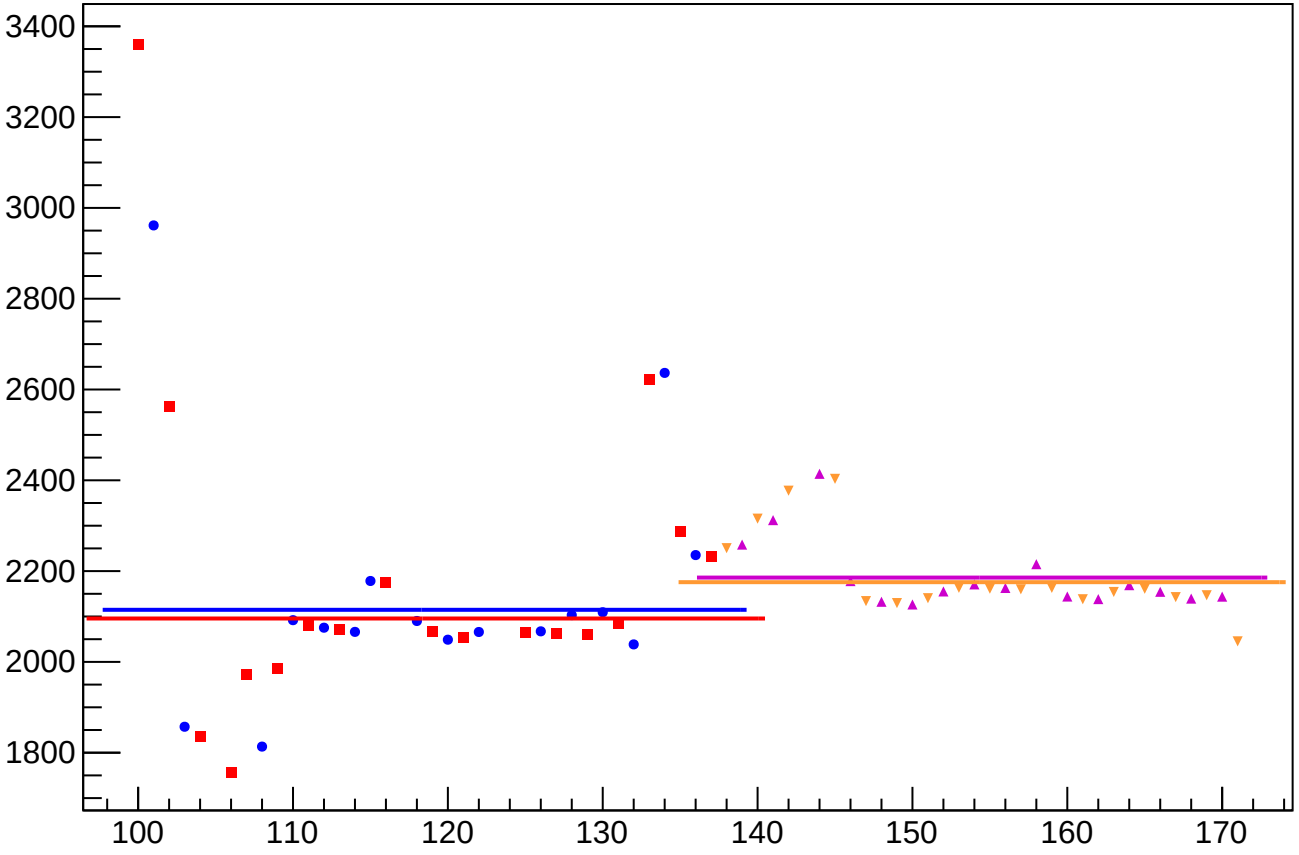
Left In: 557.151+/-601.454 χ^2/NDF:9.6/15

+ sign -884.468+/-475.147 χ^2/NDF: 37.7/32

All: -298.367+/-336.822 χ^2/NDF: 65.1/66

- sign 293.647+/-477.537 χ^2/NDF: 24.3/33

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2175.620+/-0.420 χ^2/NDF:38938.3/16

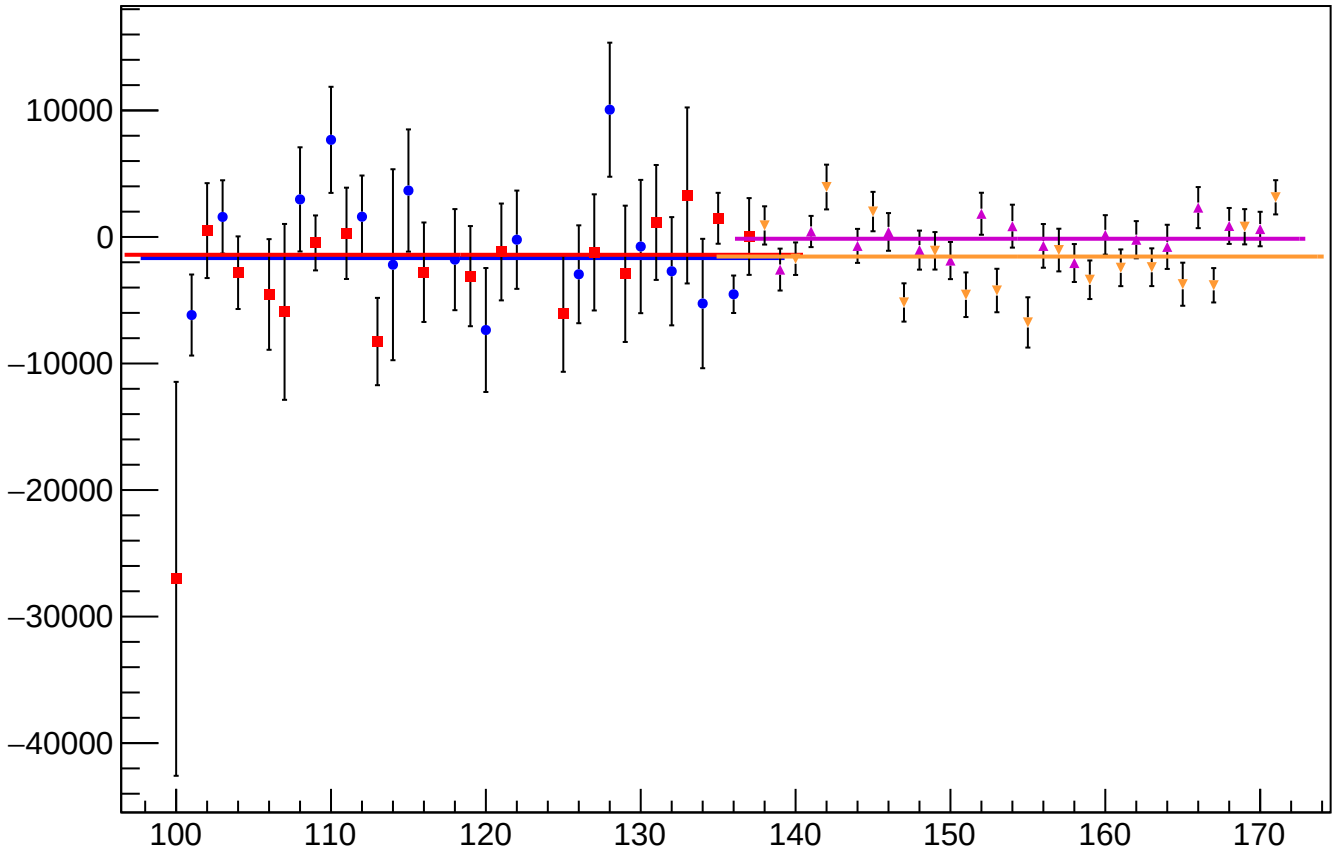
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

\+ sign 2153.722+/-0.336 χ^2/NDF: 236418.2/32

All: 2153.070+/-0.238 χ^2/NDF: 432141.3/66

\- sign 2152.411+/-0.338 χ^2/NDF: 195715.5/33



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1548.003+/-371.750 χ^2/NDF:57.1/16

Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

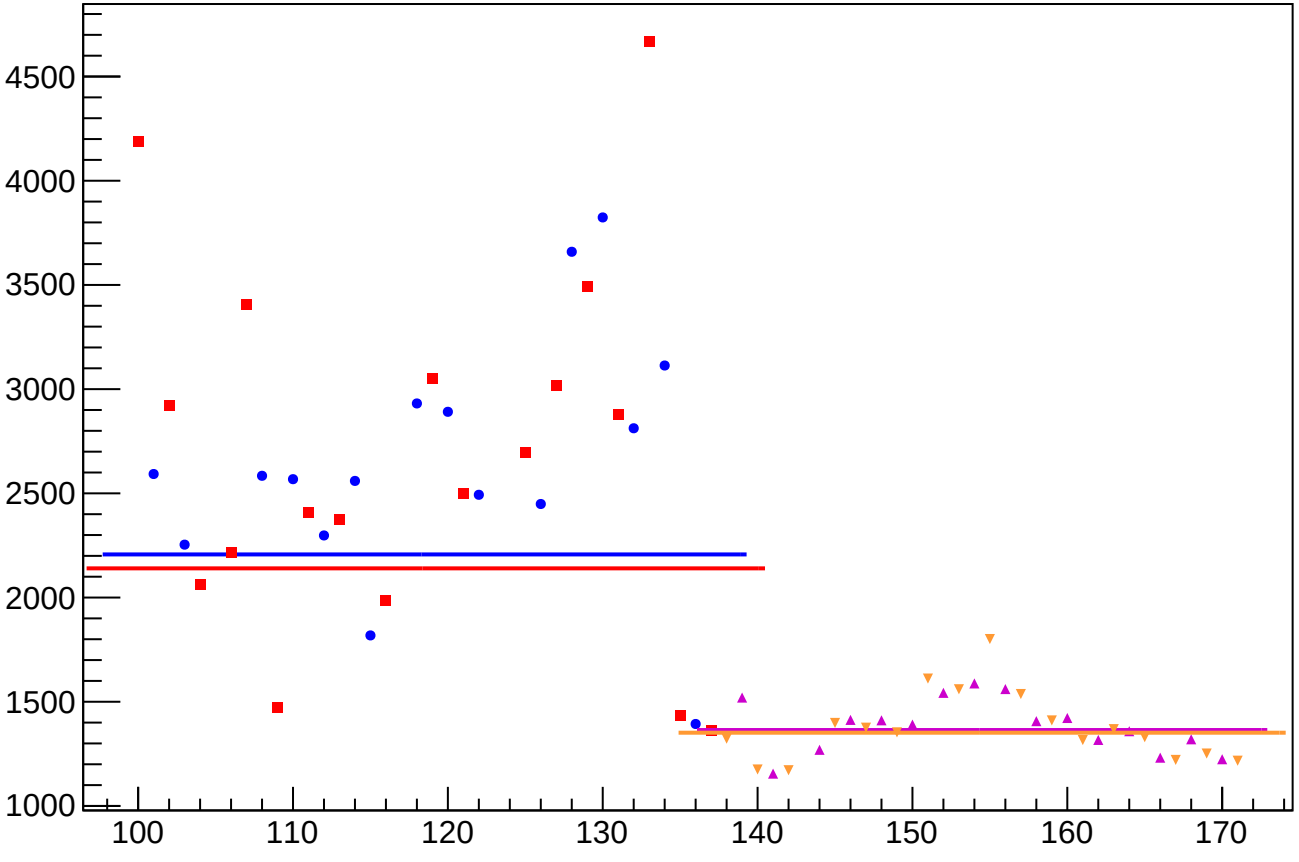
Left In: -142.104+/-377.527 χ^2/NDF:11.2/15

+ sign -1566.892+/-341.366 χ^2/NDF: 79.6/32

All: -965.519+/-242.598 χ^2/NDF: 112.0/66

- sign -351.883+/-344.830 χ^2/NDF: 26.0/33

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1351.484+/-0.263 χ^2/NDF:314117.4/16

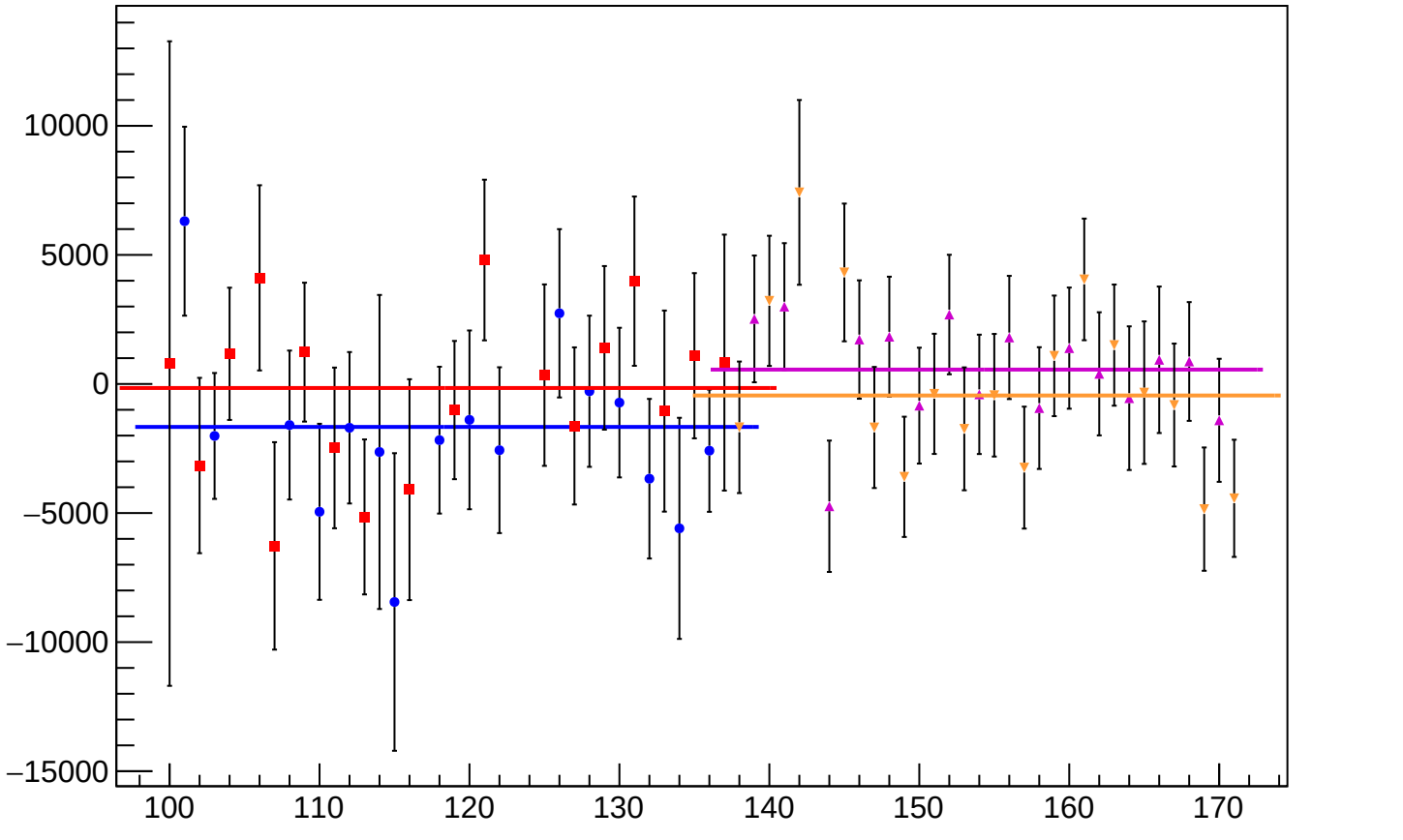
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1364.342+/-0.267 χ^2/NDF:216521.5/15

+ sign 1485.602+/-0.241 χ^2/NDF: 3223495.3/32

All: 1489.211+/-0.172 χ^2/NDF: 6288142.2/66

- sign 1492.893+/-0.244 χ^2/NDF: 3064195.3/33



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.288+/-593.827 χ^2/NDF:25.4/16

Right Out: -155.775+/-785.481 χ^2/NDF: 14.2/17

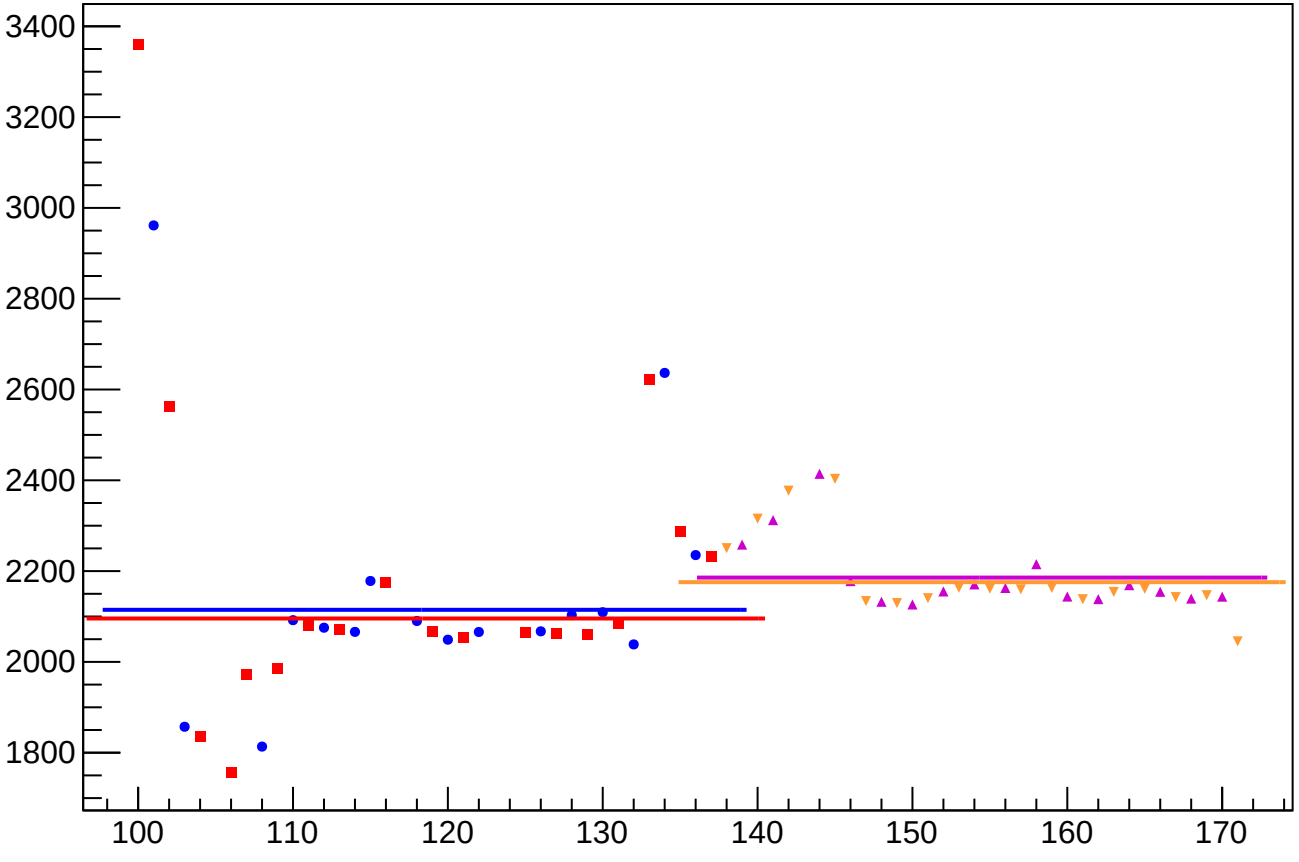
Left In: 557.151+/-601.454 χ^2/NDF:9.6/15

+ sign -884.468+/-475.147 χ^2/NDF: 37.7/32

All: -298.367+/-336.822 χ^2/NDF: 65.1/66

- sign 293.647+/-477.537 χ^2/NDF: 24.3/33

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: 2175.620+/-0.420 χ^2/NDF:38938.3/16

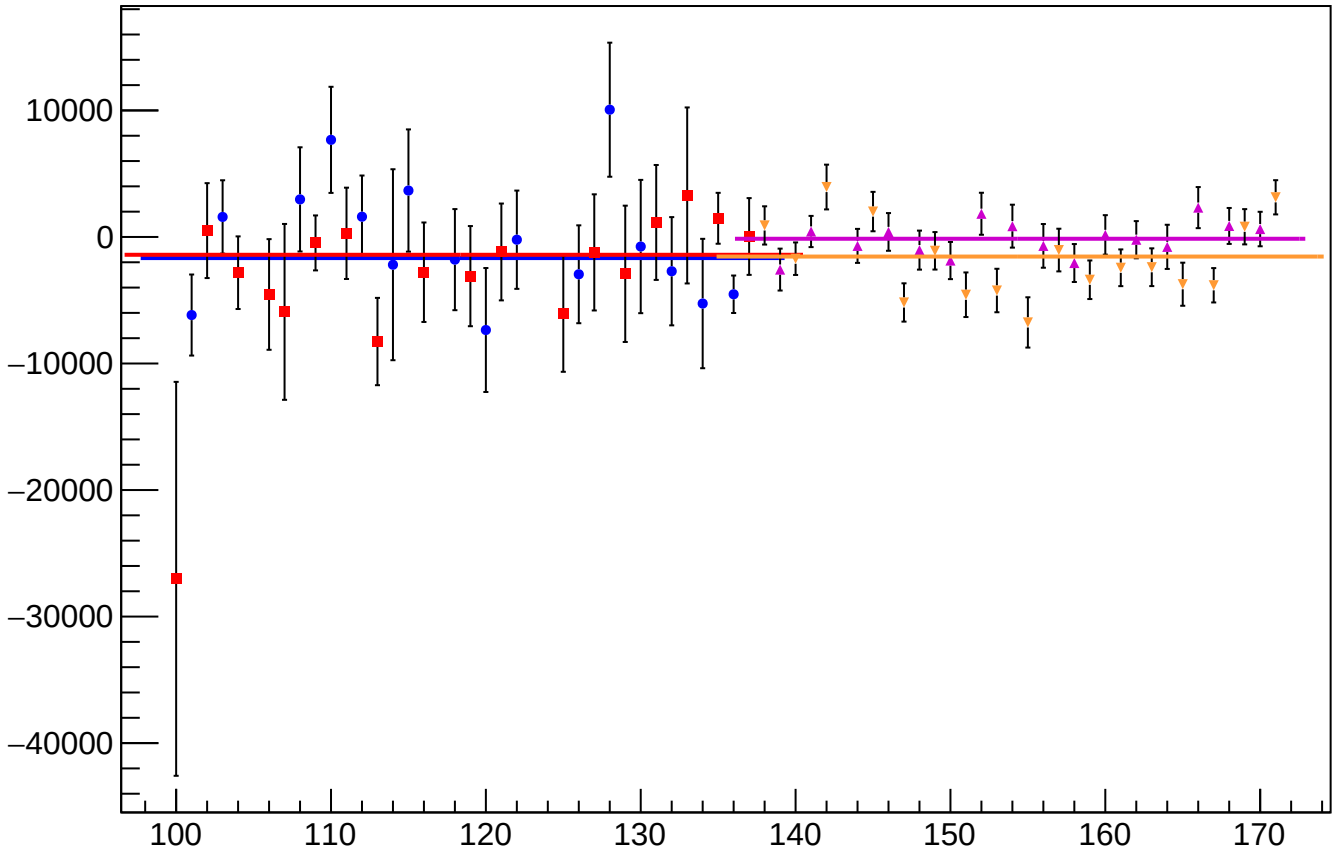
Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2185.722+/-0.425 χ^2/NDF:29756.8/15

+ sign 2153.722+/-0.336 χ^2/NDF: 236418.2/32

All: 2153.070+/-0.238 χ^2/NDF: 432141.3/66

- sign 2152.411+/-0.338 χ^2/NDF: 195715.5/33



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1548.003+/-371.750 χ^2/NDF:57.1/16

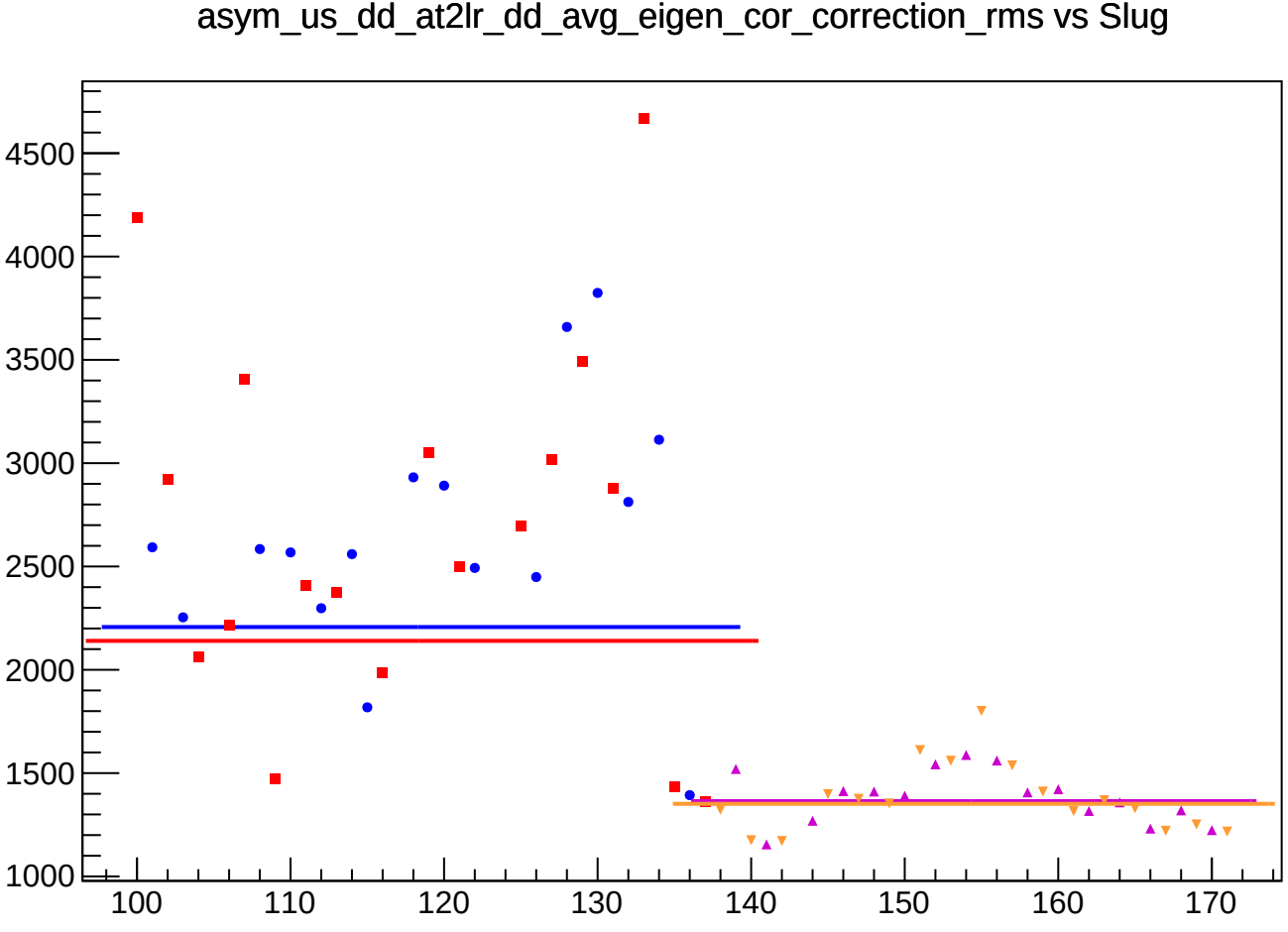
Right Out: -1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: -142.104+/-377.527 χ^2/NDF:11.2/15

+ sign -1566.892+/-341.366 χ^2/NDF: 79.6/32

All: -965.519+/-242.598 χ^2/NDF: 112.0/66

- sign -351.883+/-344.830 χ^2/NDF: 26.0/33



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1351.484+/-0.263 χ^2/NDF:314117.4/16

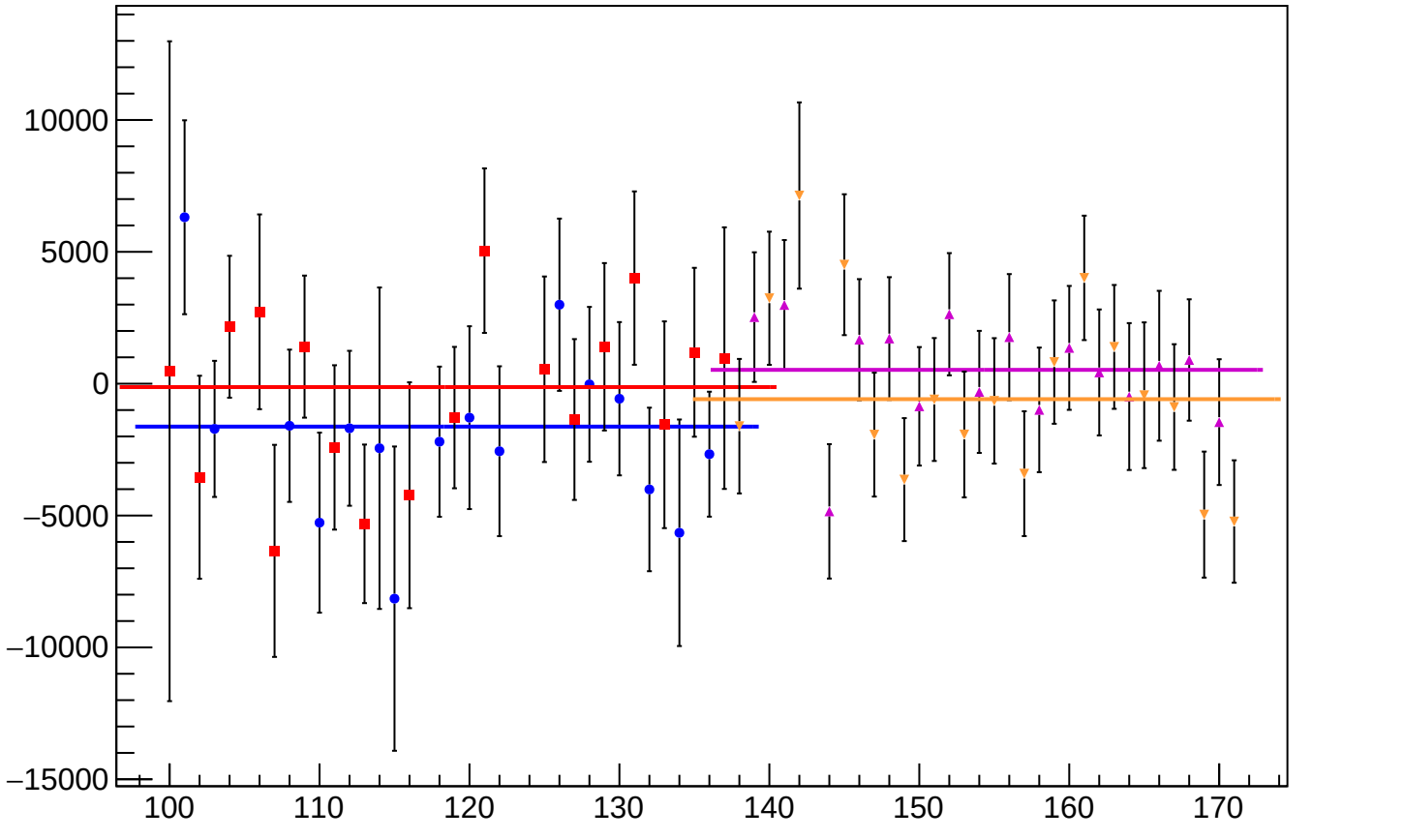
Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1364.342+/-0.267 χ^2/NDF:216521.5/15

+ sign 1485.602+/-0.241 χ^2/NDF: 3223495.3/32

All: 1489.211+/-0.172 χ^2/NDF: 6288142.2/66

- sign 1492.893+/-0.244 χ^2/NDF: 3064195.3/33



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -586.956+/-595.105 χ^2/NDF:26.9/16

Right Out: -128.099+/-795.899 χ^2/NDF: 14.6/17

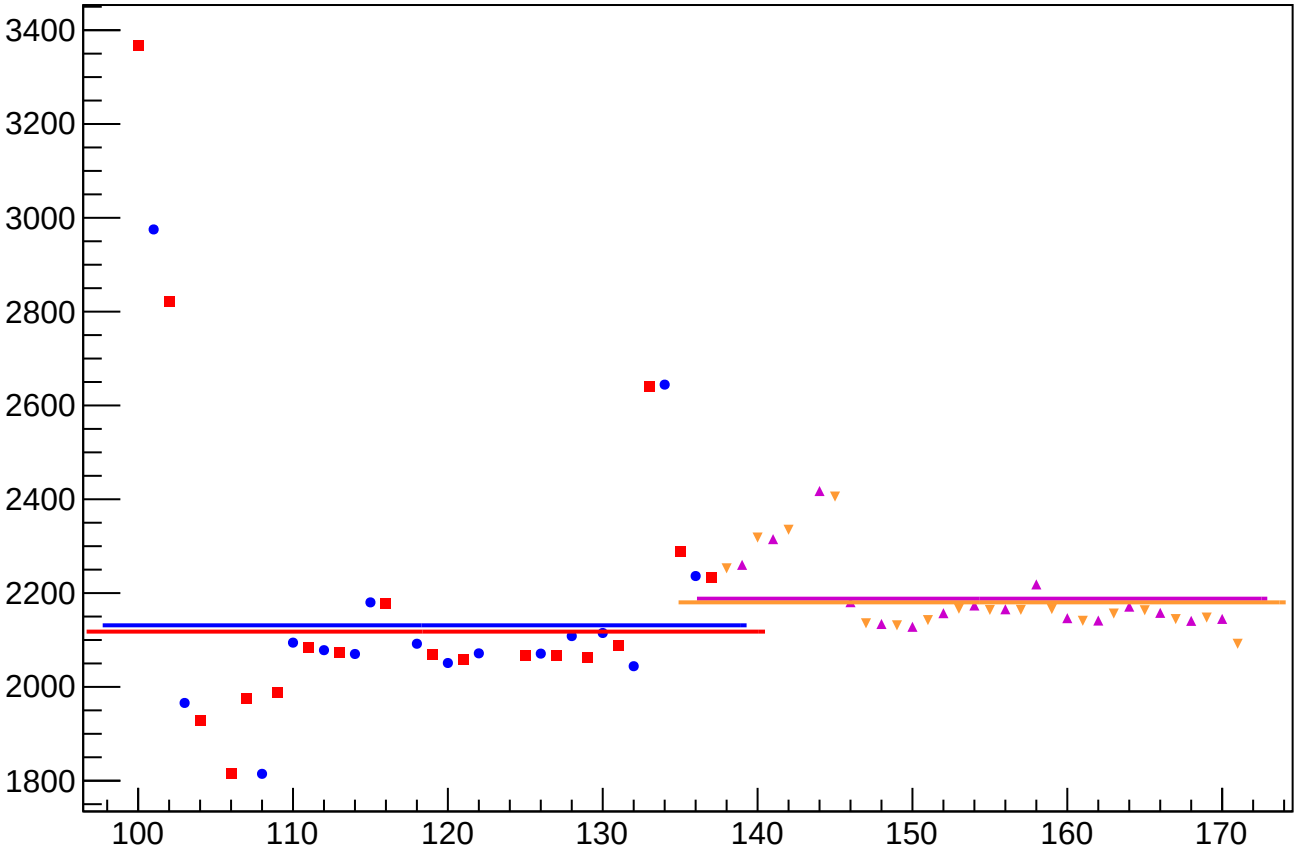
Left In: 524.754+/-602.106 χ^2/NDF:9.6/15

+ sign -958.897+/-477.049 χ^2/NDF: 39.3/32

All: -339.963+/-338.426 χ^2/NDF: 67.3/66

- sign 287.121+/-480.180 χ^2/NDF: 24.6/33

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2180.248+/-0.421 χ^2/NDF:32715.0/16

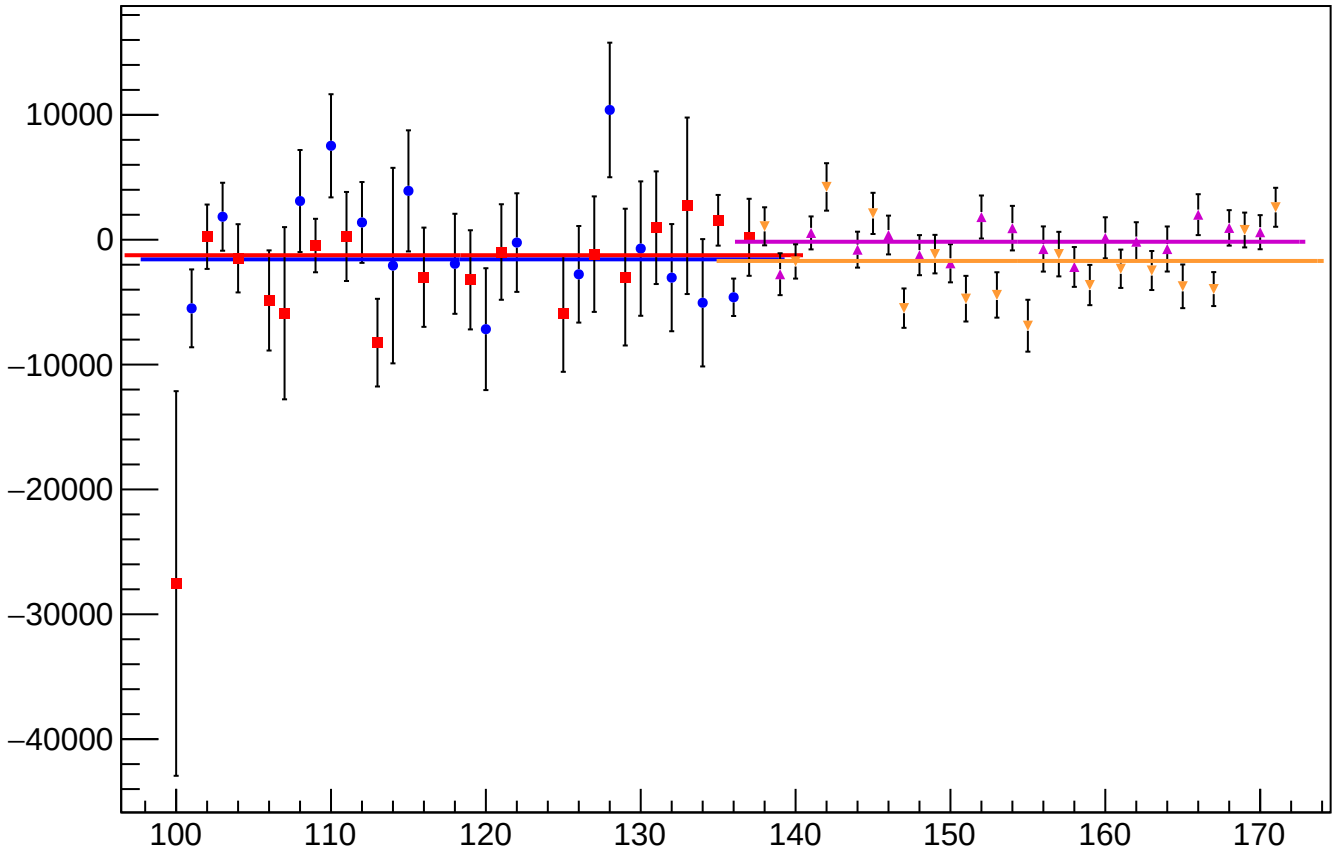
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2188.078+/-0.426 χ^2/NDF:29919.8/15

+ sign 2162.753+/-0.337 χ^2/NDF: 213494.5/32

All: 2162.638+/-0.239 χ^2/NDF: 416936.1/66

- sign 2162.522+/-0.340 χ^2/NDF: 203441.4/33



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1699.868+/-389.661 χ^2/NDF:52.2/16

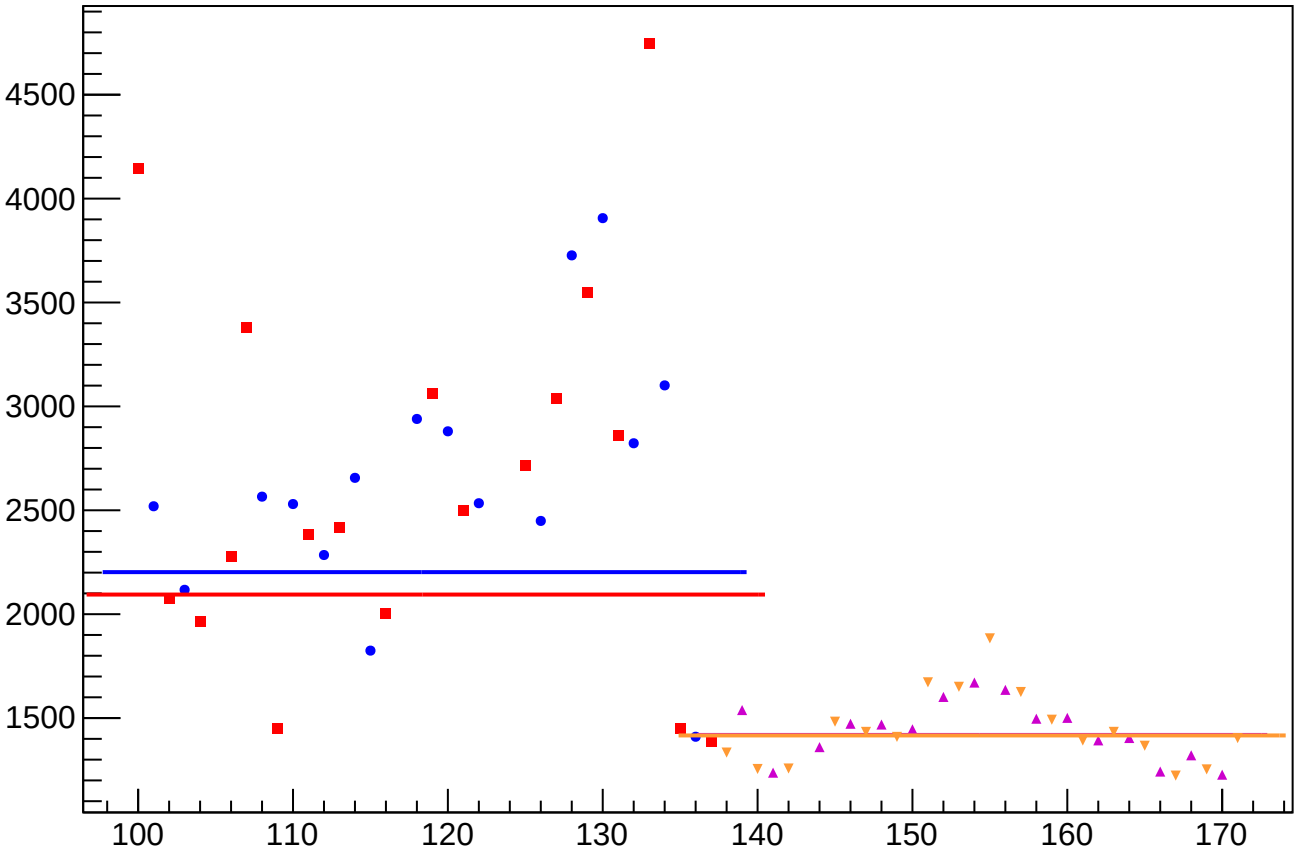
Right Out: -1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: -162.981+/-392.654 χ^2/NDF:10.9/15

+ sign -1677.920+/-354.911 χ^2/NDF: 74.8/32

All: -1019.583+/-250.683 χ^2/NDF: 107.1/66

- sign -364.150+/-354.128 χ^2/NDF: 25.4/33



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1416.426+/-0.276 χ^2/NDF:326591.9/16

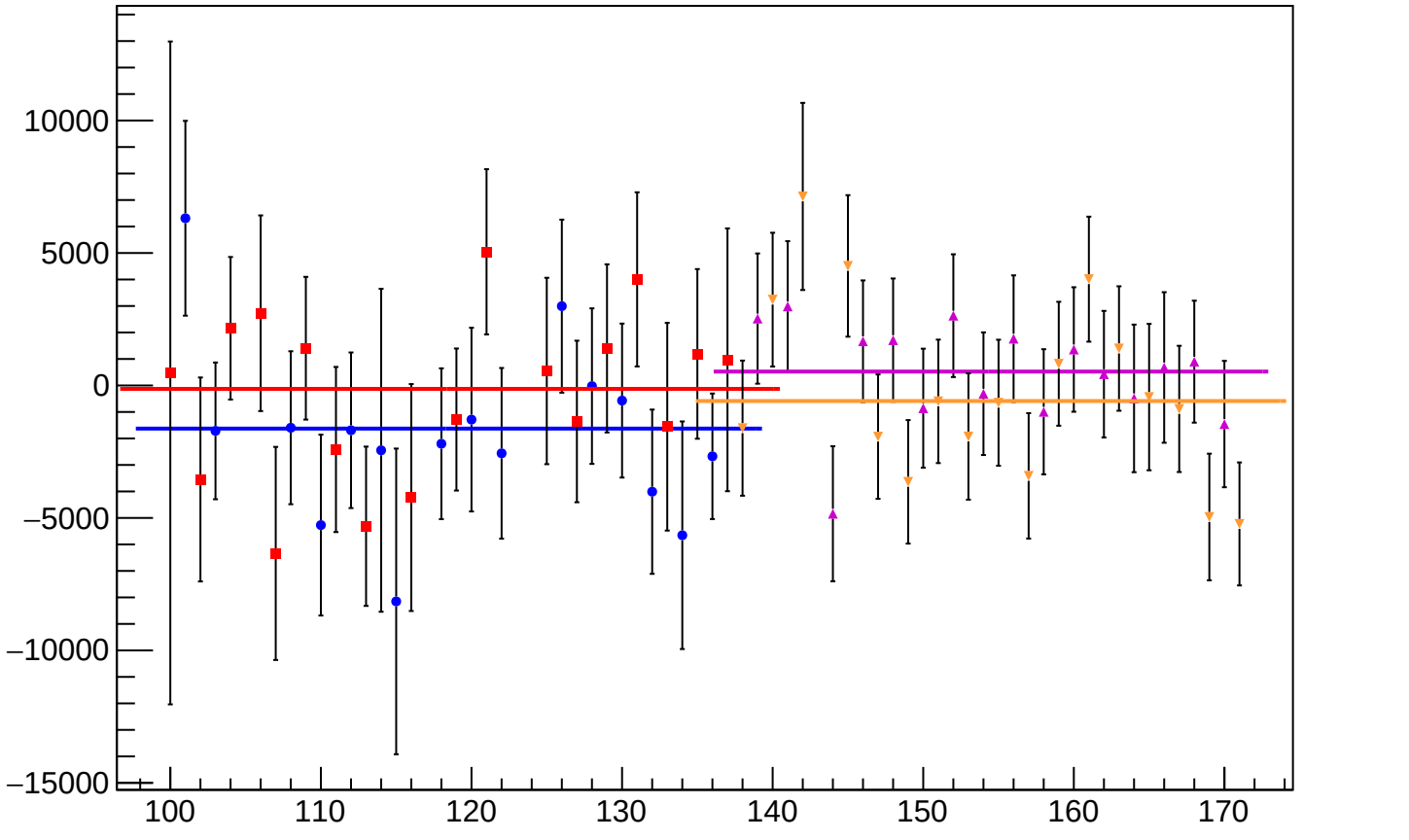
Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1418.845+/-0.278 χ^2/NDF:229894.5/15

+ sign 1550.359+/-0.251 χ^2/NDF: 2936116.6/32

All: 1547.632+/-0.177 χ^2/NDF: 5644813.6/66

- sign 1544.918+/-0.250 χ^2/NDF: 2708461.5/33



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -586.953+/-595.105 χ^2/NDF:26.9/16

Right Out: -128.093+/-795.899 χ^2/NDF: 14.6/17

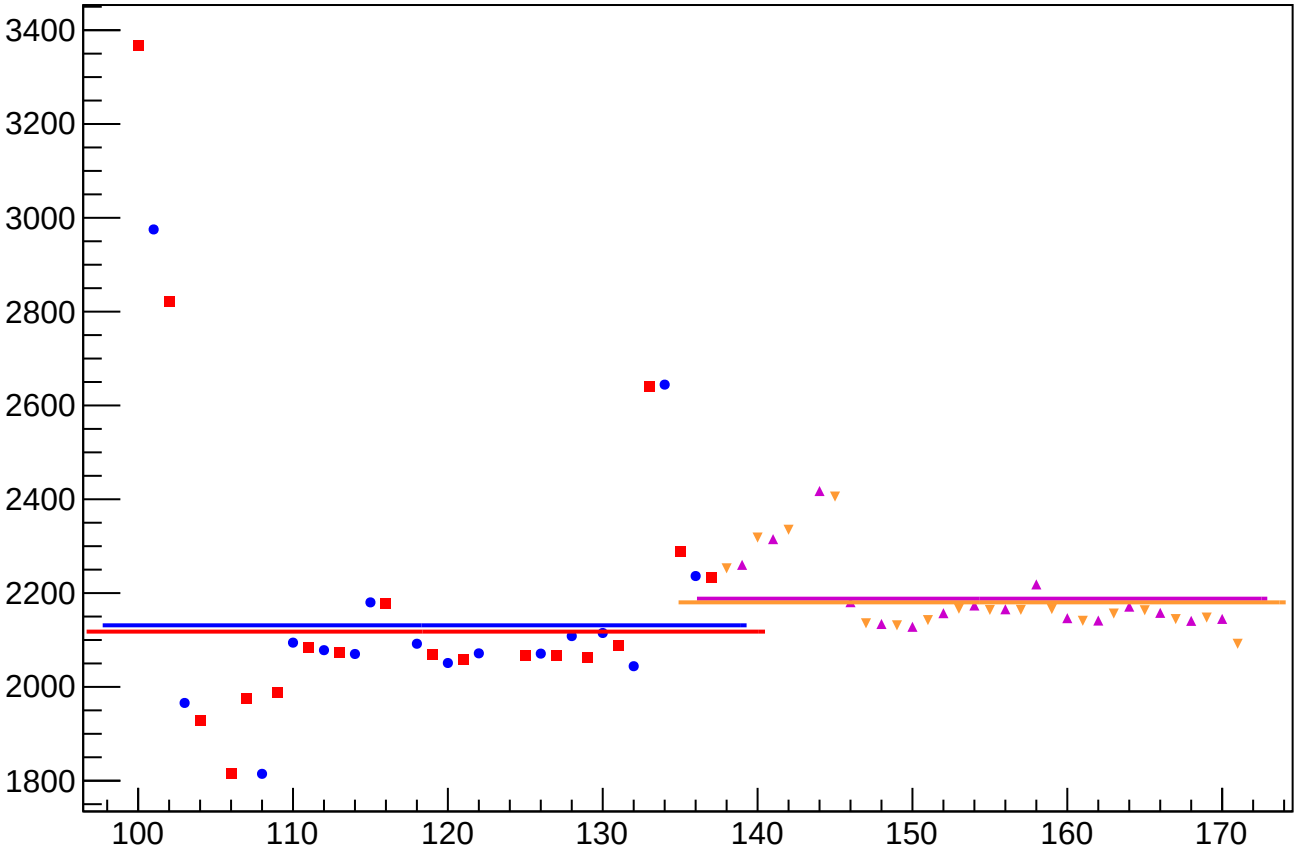
Left In: 524.755+/-602.106 χ^2/NDF:9.6/15

+ sign -958.896+/-477.049 χ^2/NDF: 39.3/32

All: -339.961+/-338.426 χ^2/NDF: 67.3/66

- sign 287.124+/-480.180 χ^2/NDF: 24.6/33

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: 2180.248+/-0.421 χ^2/NDF:32715.2/16

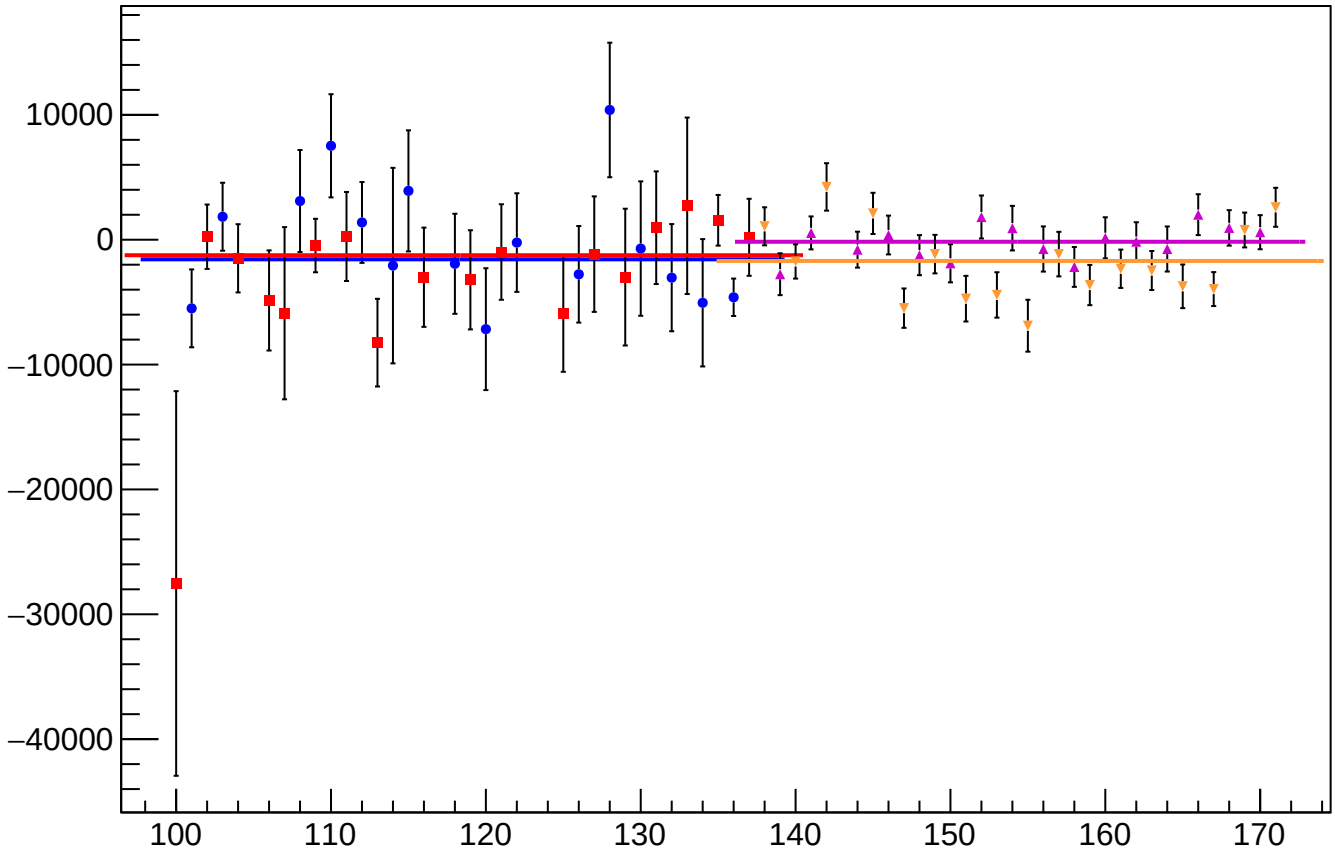
Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2188.078+/-0.426 χ^2/NDF:29919.9/15

+ sign 2162.753+/-0.337 χ^2/NDF: 213494.6/32

All: 2162.638+/-0.239 χ^2/NDF: 416936.3/66

- sign 2162.522+/-0.340 χ^2/NDF: 203441.4/33



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1699.872+/-389.662 χ^2/NDF:52.2/16

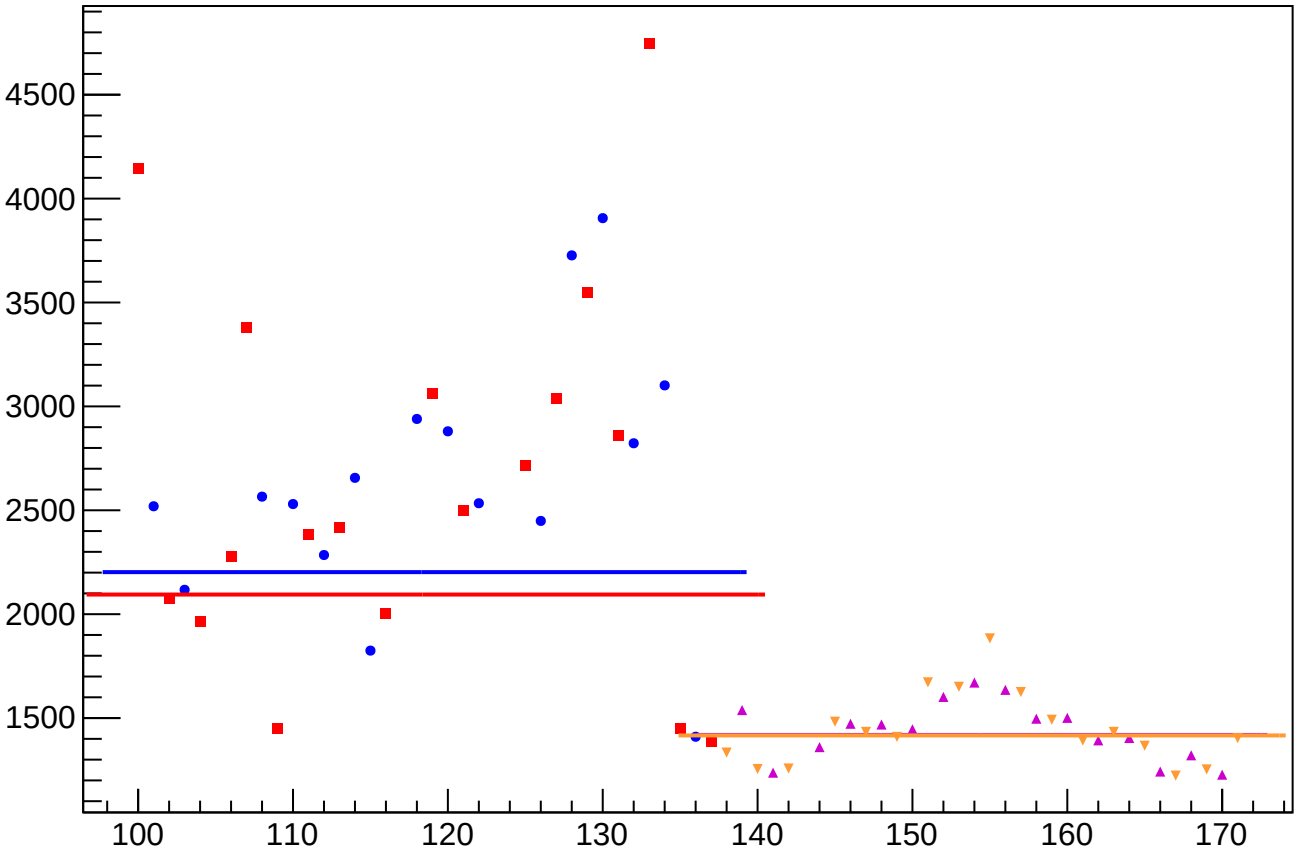
Right Out: -1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: -162.976+/-392.654 χ^2/NDF:10.9/15

+ sign -1677.921+/-354.911 χ^2/NDF: 74.8/32

All: -1019.582+/-250.683 χ^2/NDF: 107.1/66

- sign -364.147+/-354.128 χ^2/NDF: 25.4/33



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1416.427+/-0.276 χ^2/NDF:326586.3/16

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

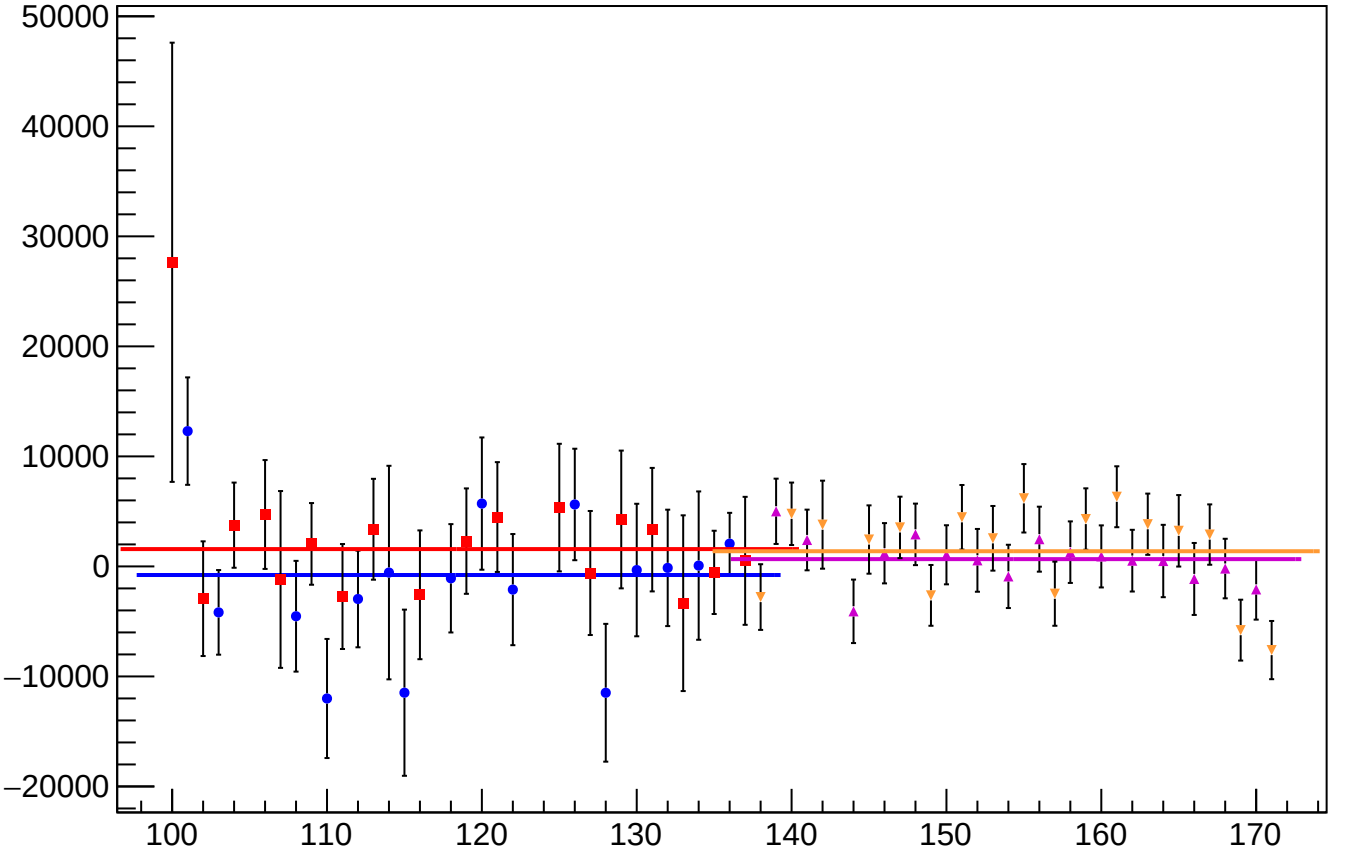
Left In: 1418.845+/-0.278 χ^2/NDF:229899.9/15

+ sign 1550.361+/-0.251 χ^2/NDF: 2936084.3/32

All: 1547.634+/-0.177 χ^2/NDF: 5644775.2/66

- sign 1544.919+/-0.250 χ^2/NDF: 2708455.2/33

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1379.411+/-706.438 χ^2/NDF:35.9/16

Right Out: 1574.673+/-1218.961 χ^2/NDF: 6.7/17

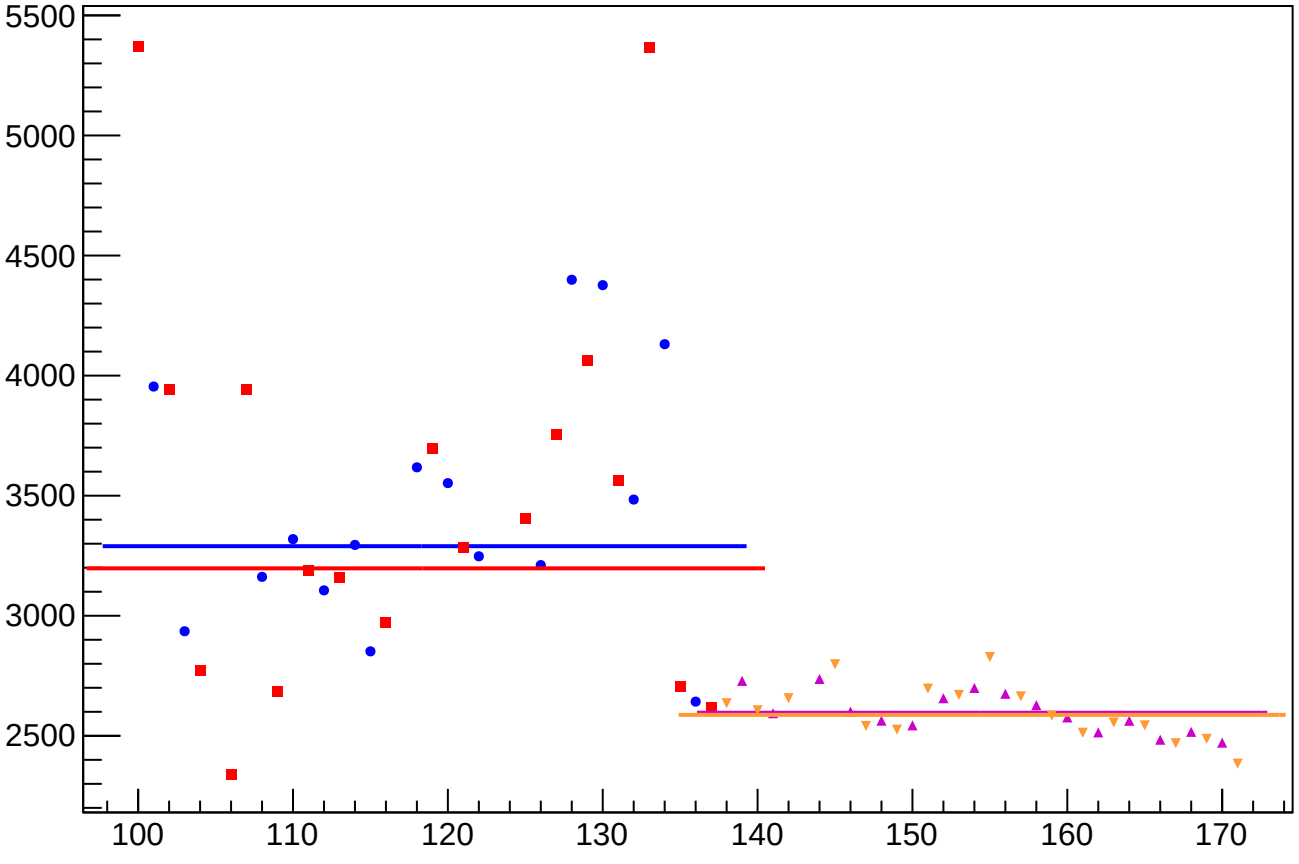
Left In: 661.814+/-714.466 χ^2/NDF:8.1/15

\+ sign 850.982+/-614.022 χ^2/NDF: 60.1/32

All: 873.022+/-435.014 χ^2/NDF: 75.4/66

\- sign 895.232+/-616.390 χ^2/NDF: 15.2/33

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2587.255+/-0.500 χ^2/NDF:49900.3/16

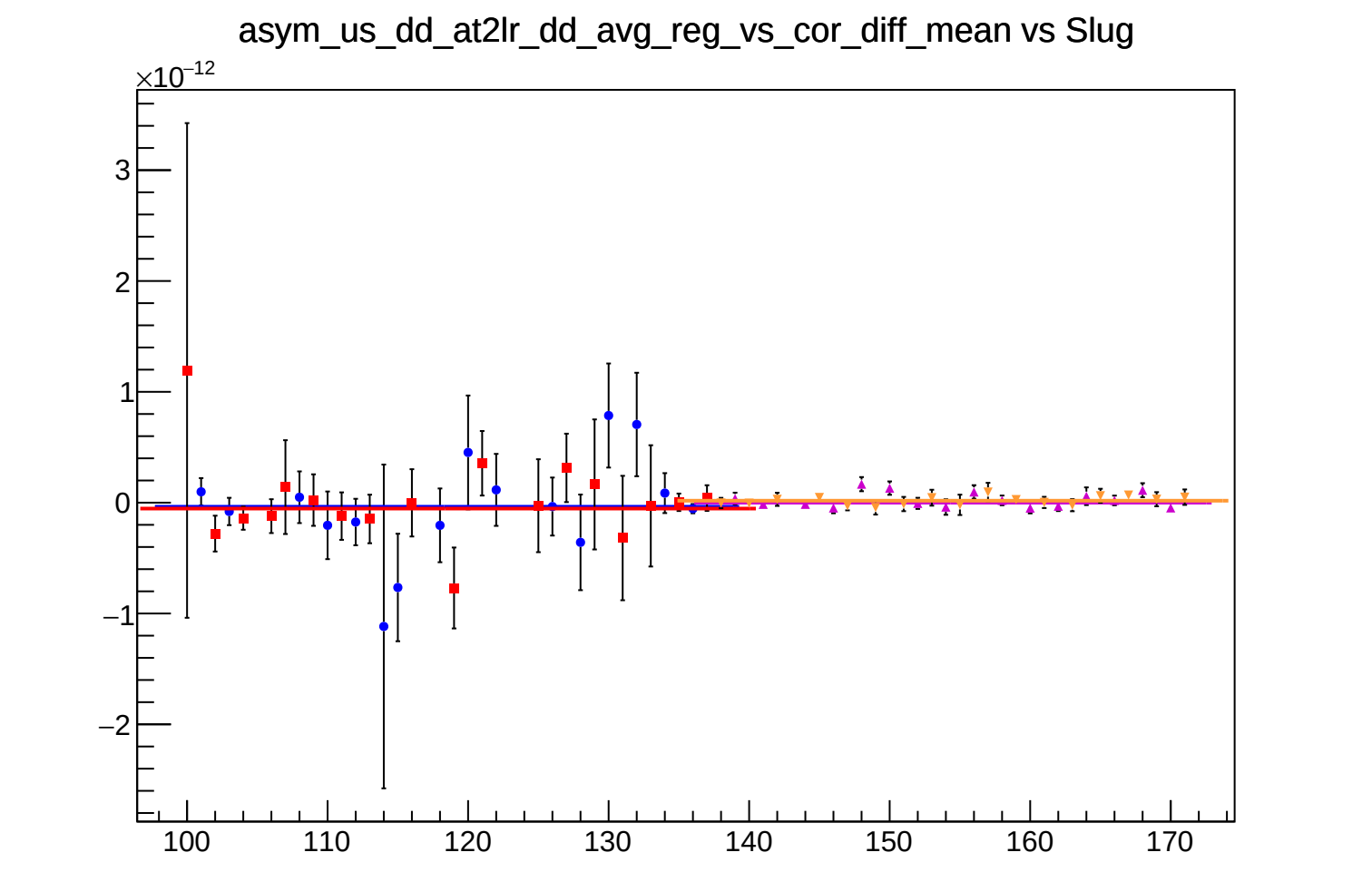
Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2596.213+/-0.505 χ^2/NDF:25165.9/15

\+ sign 2759.020+/-0.434 χ^2/NDF: 881020.8/32

All: 2754.494+/-0.308 χ^2/NDF: 1768408.3/66

\- sign 2749.933+/-0.436 χ^2/NDF: 887169.4/33



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/16

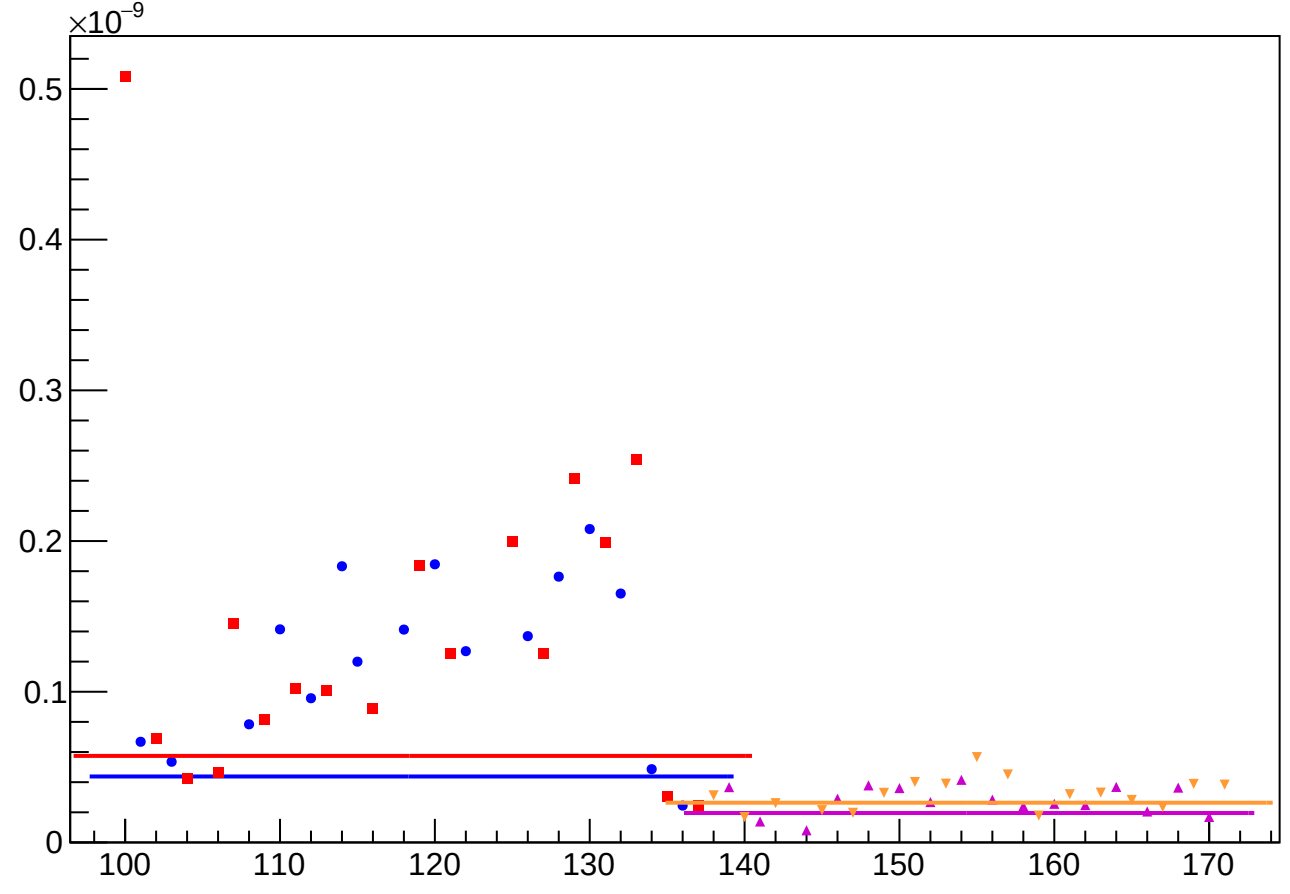
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:24.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 23.4/32

All: 0.000+/-0.000 χ^2/NDF: 62.8/66

- sign -0.000+/-0.000 χ^2/NDF: 38.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1111713.2/16

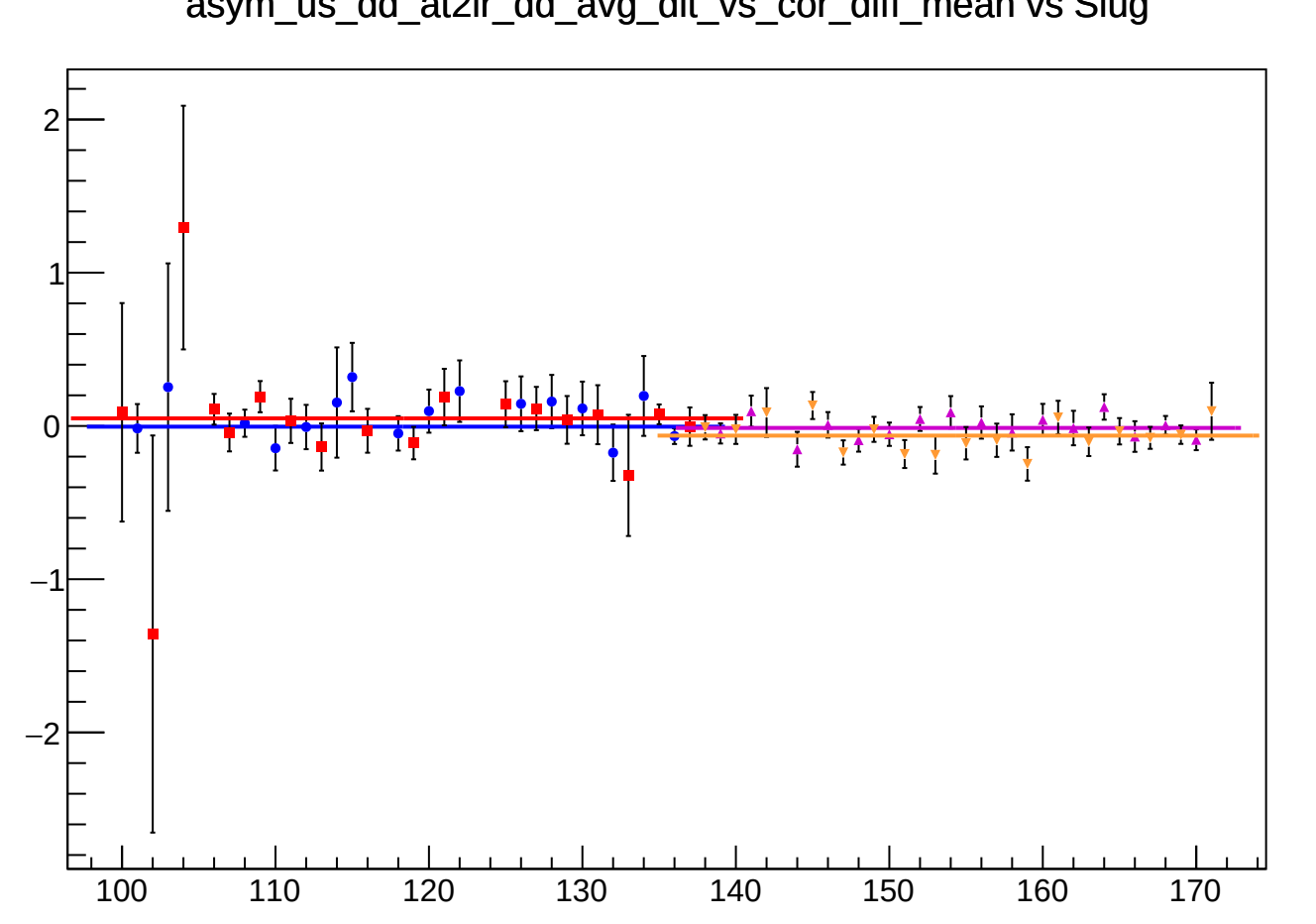
Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2108306.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 3796811.4/32

All: 0.000+/-0.000 χ^2/NDF: 9846739.2/66

- sign 0.000+/-0.000 χ^2/NDF: 5644279.2/33



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:16.9/16

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

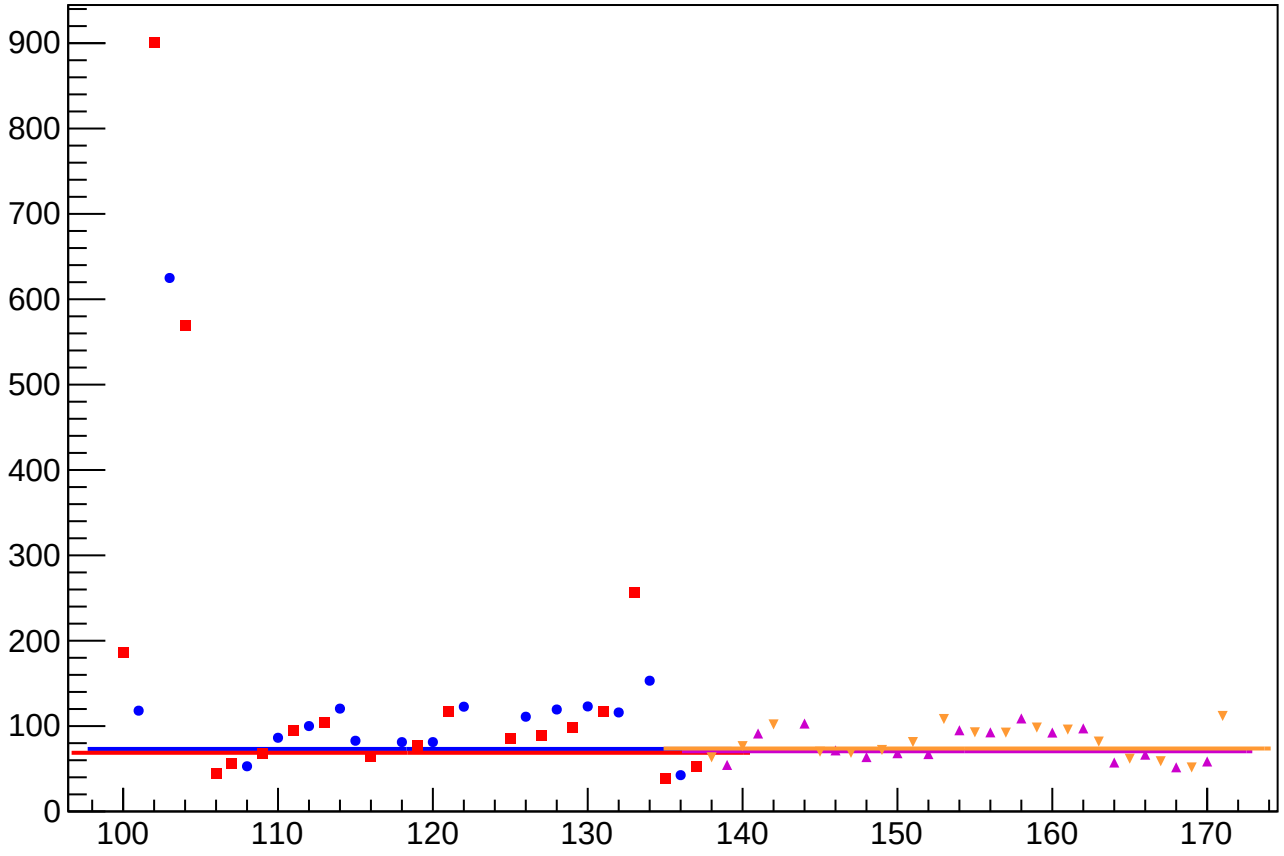
Left In: -0.013+/-0.021 χ^2/NDF:10.8/15

+ sign -0.044+/-0.018 χ^2/NDF: 29.4/32

All: -0.018+/-0.013 χ^2/NDF: 59.9/66

- sign 0.007+/-0.018 χ^2/NDF: 26.5/33

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.740+/-0.016 χ^2/NDF:1087528.8/16

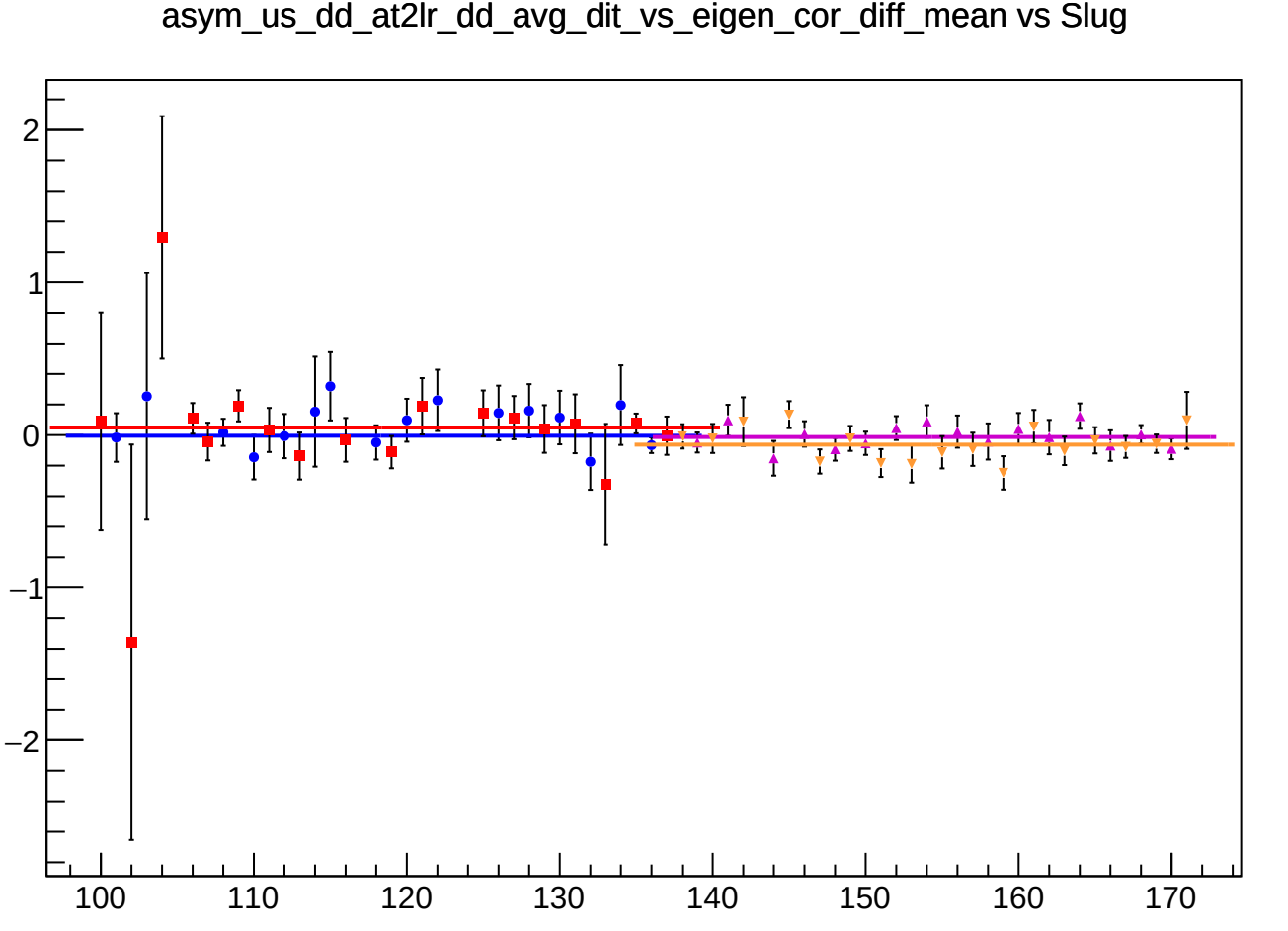
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.517+/-0.015 χ^2/NDF:1303508.7/15

+ sign 73.577+/-0.013 χ^2/NDF: 3942464.1/32

All: 71.703+/-0.009 χ^2/NDF: 8622669.6/66

- sign 69.961+/-0.012 χ^2/NDF: 4639679.5/33



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:16.9/16

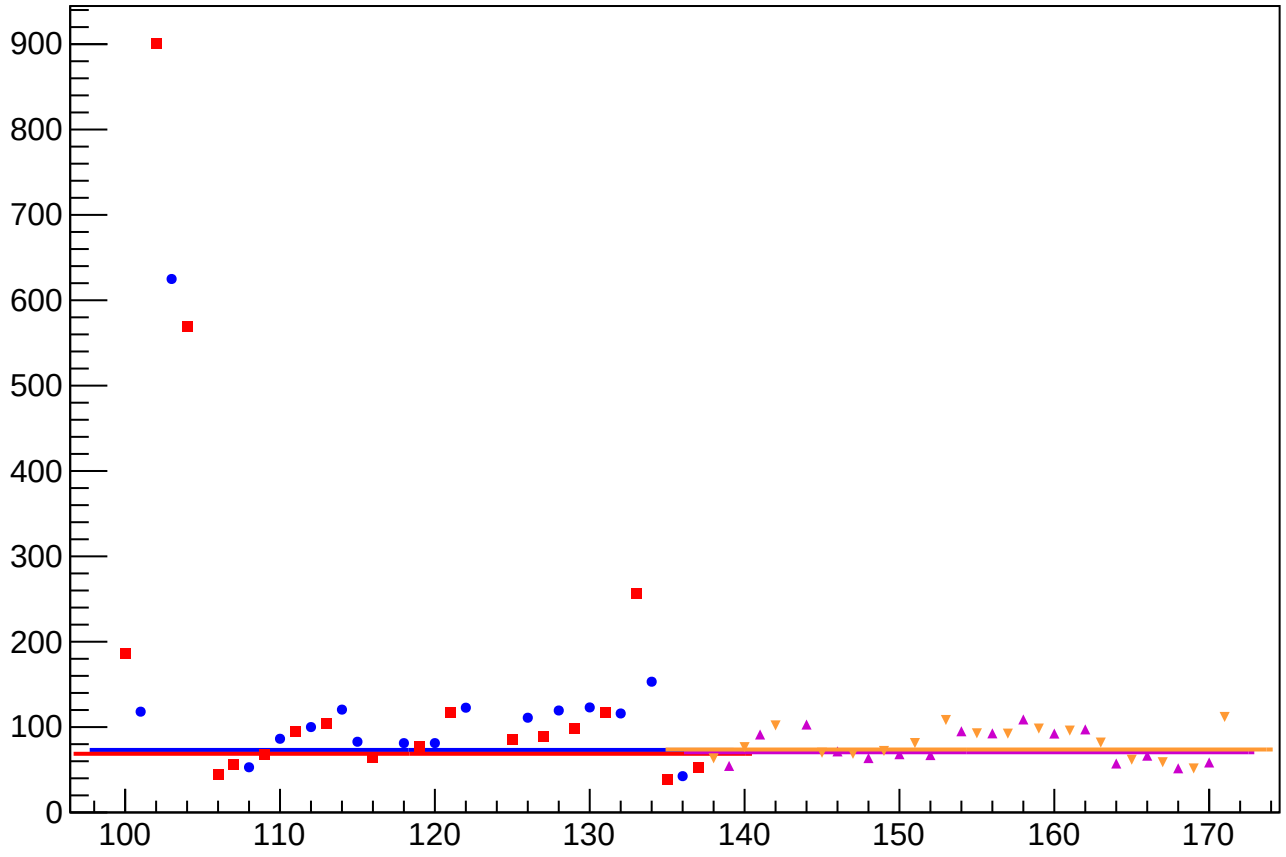
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:10.8/15

+ sign -0.044+/-0.018 χ^2/NDF: 29.4/32

All: -0.018+/-0.013 χ^2/NDF: 59.9/66

- sign 0.007+/-0.018 χ^2/NDF: 26.5/33



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 73.740+/-0.016 χ^2/NDF:1087528.8/16

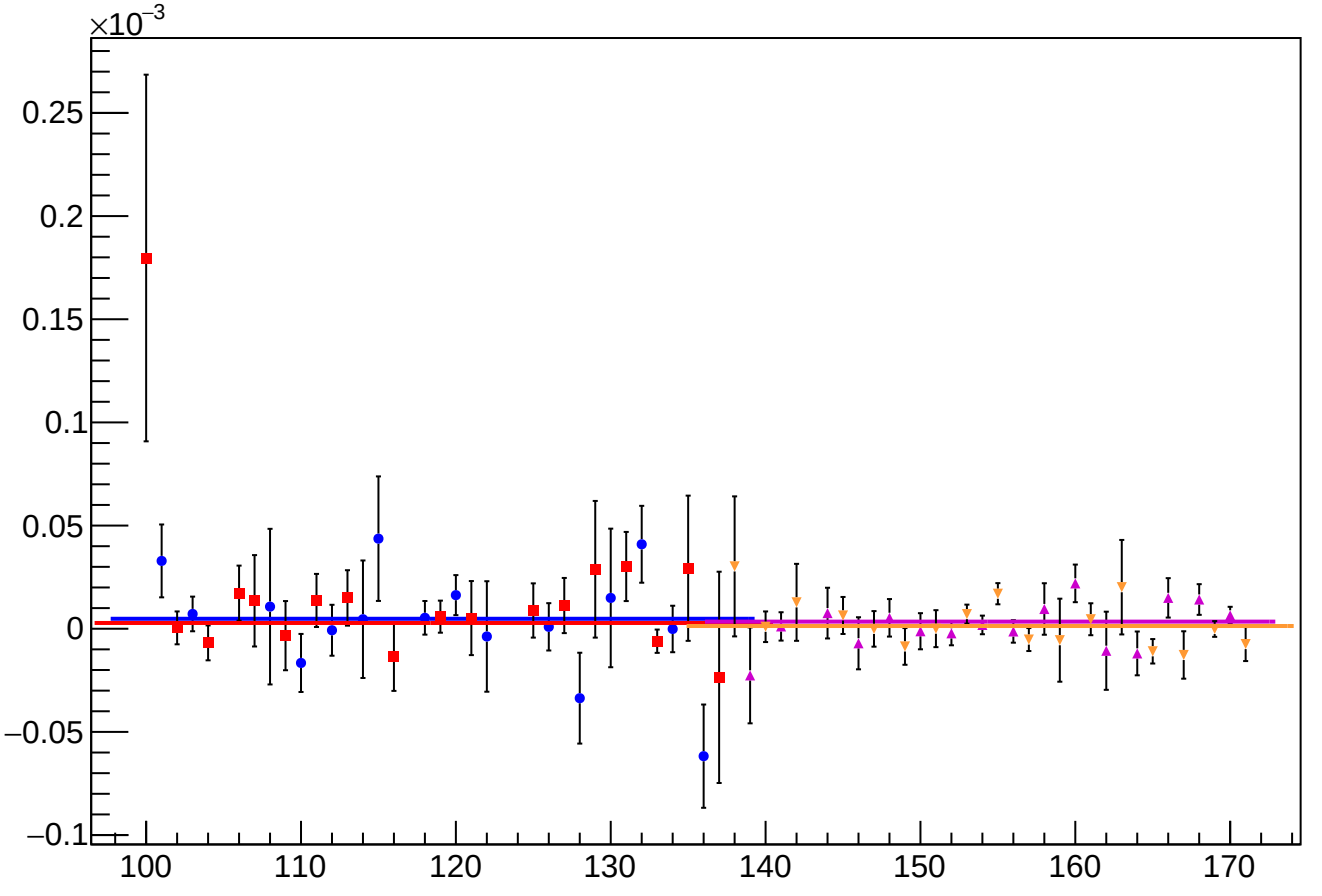
Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 70.517+/-0.015 χ^2/NDF:1303508.7/15

+ sign 73.577+/-0.013 χ^2/NDF: 3942464.1/32

All: 71.703+/-0.009 χ^2/NDF: 8622669.6/66

- sign 69.961+/-0.012 χ^2/NDF: 4639679.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/16

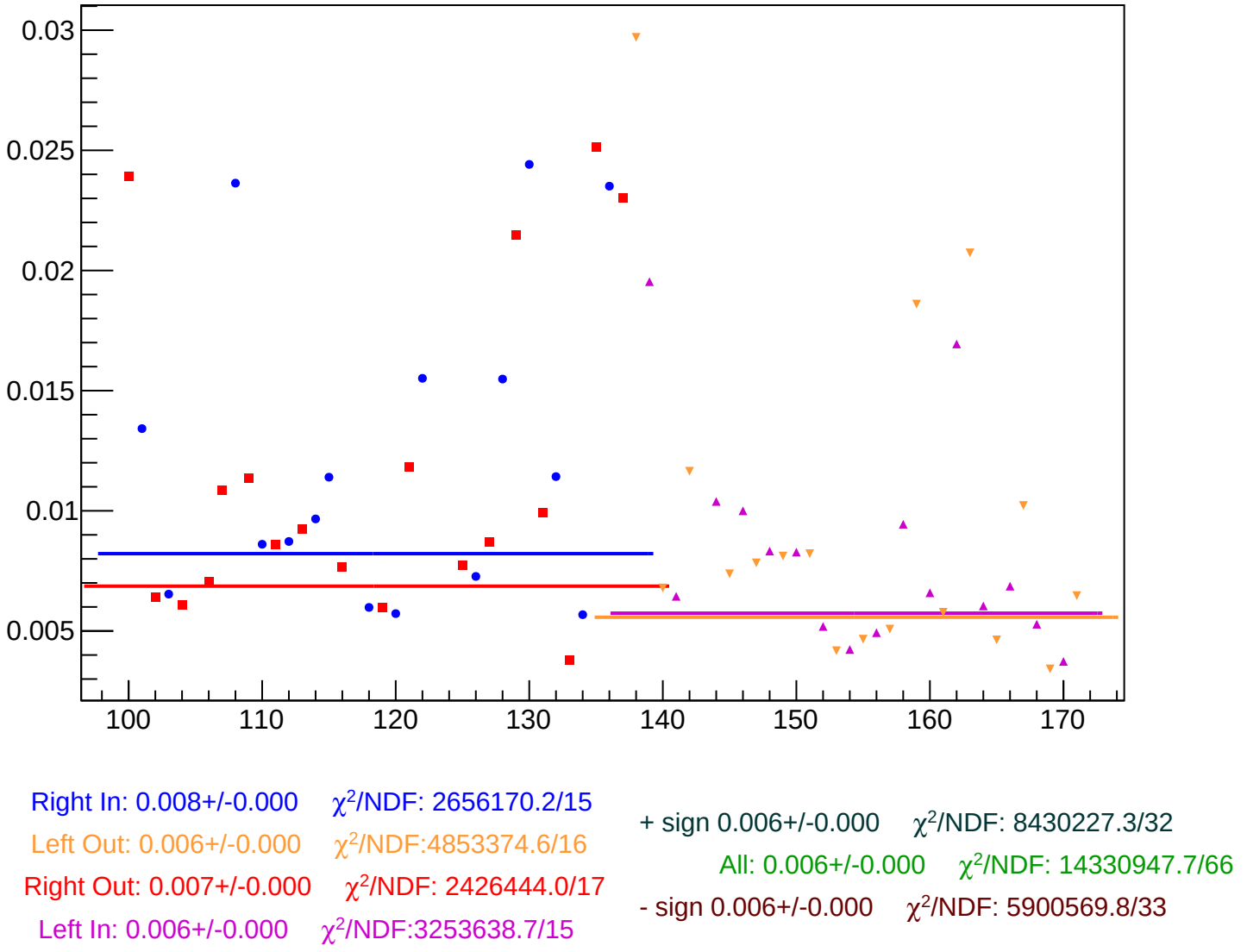
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/17

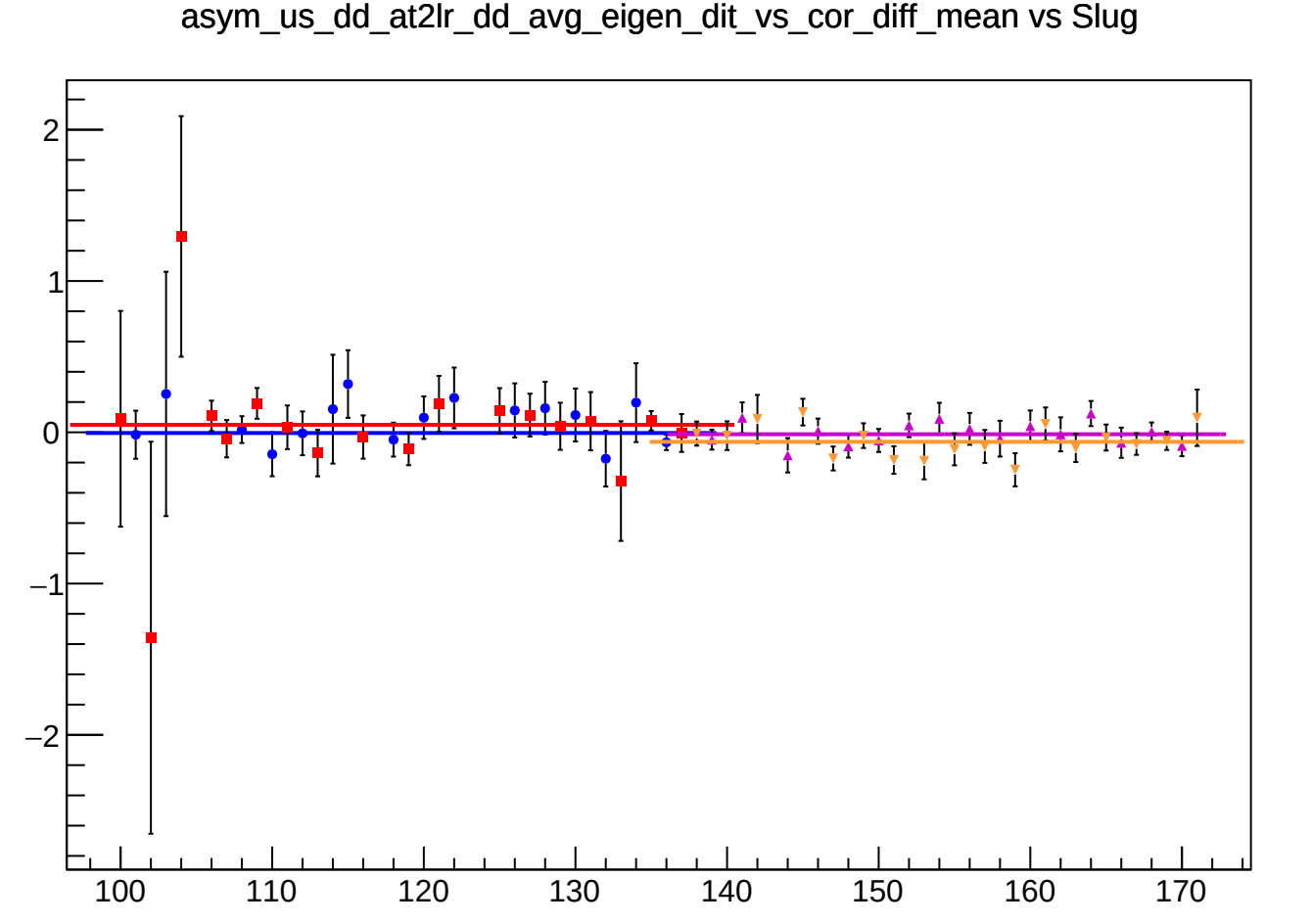
Left In: 0.000+/-0.000 χ^2/NDF:15.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/32

All: 0.000+/-0.000 χ^2/NDF: 79.0/66

- sign 0.000+/-0.000 χ^2/NDF: 32.3/33


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 2656170.2/15
Left Out: 0.006+/-0.000 χ²/NDF:4853374.6/16
Right Out: 0.007+/-0.000 χ²/NDF: 2426444.0/17
Left In: 0.006+/-0.000 χ²/NDF:3253638.7/15
+ sign 0.006+/-0.000 χ²/NDF: 8430227.3/32
All: 0.006+/-0.000 χ²/NDF: 14330947.7/66
- sign 0.006+/-0.000 χ²/NDF: 5900569.8/33



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:16.9/16

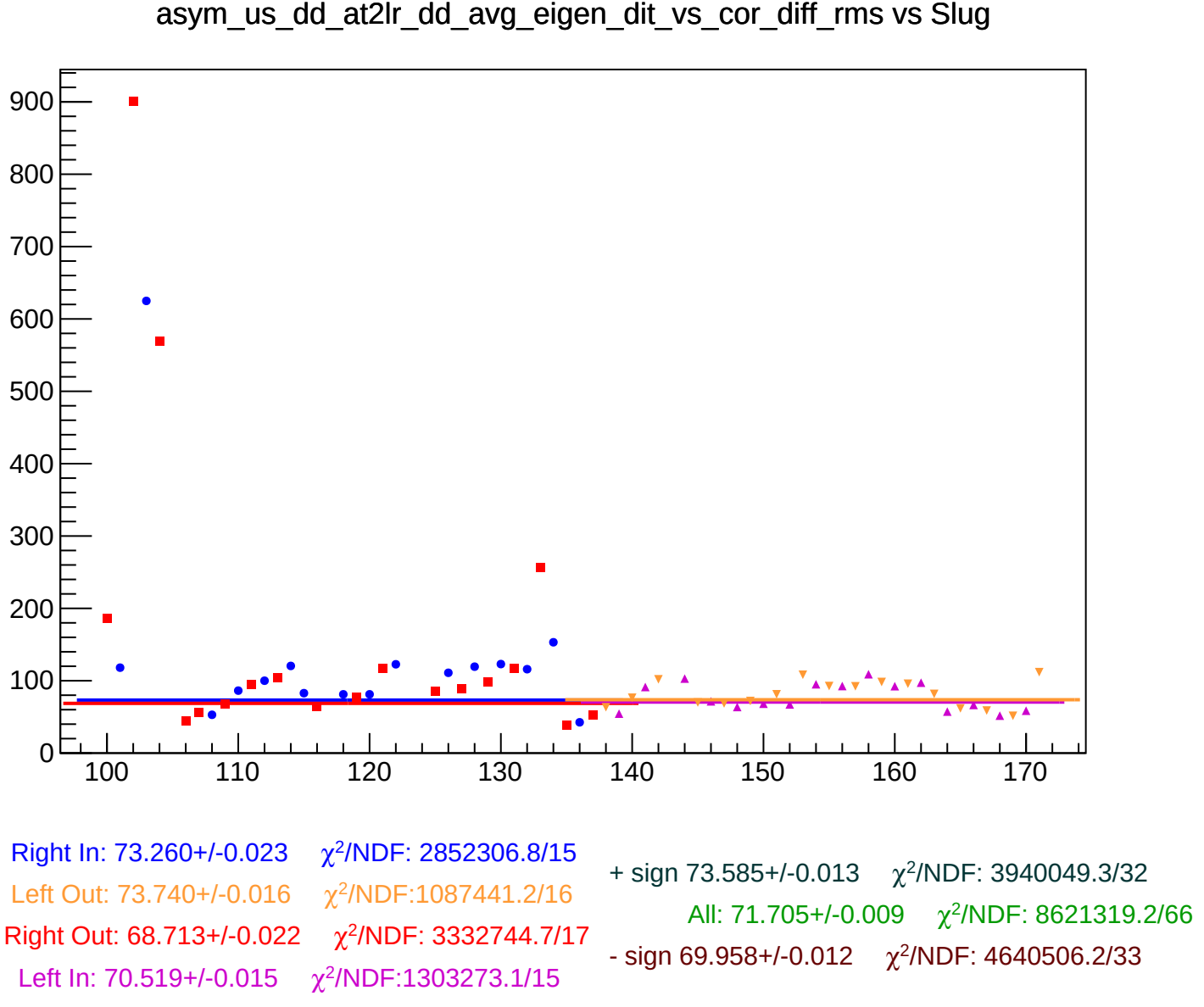
Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: -0.013+/-0.021 χ^2/NDF:10.8/15

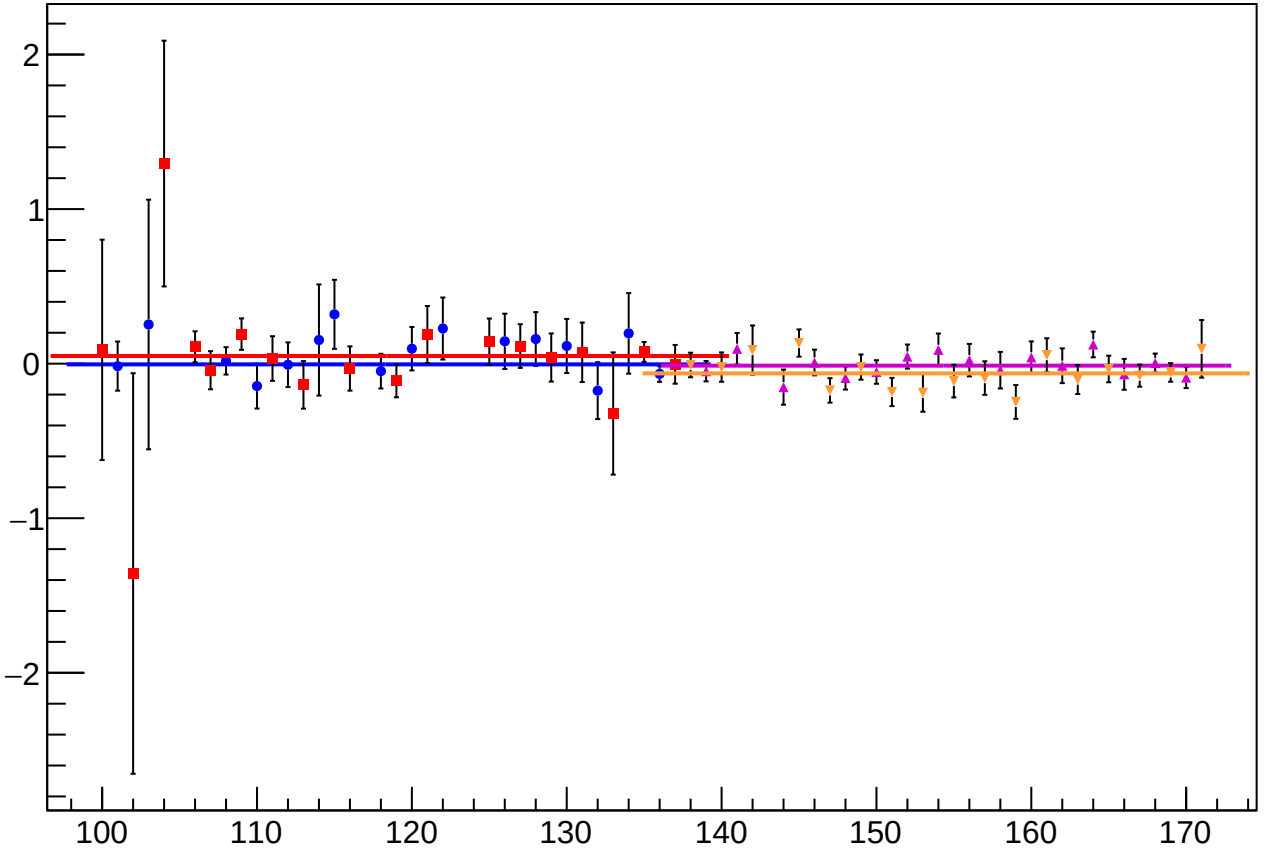
+ sign -0.044+/-0.018 χ^2/NDF: 29.4/32

All: -0.018+/-0.013 χ^2/NDF: 59.9/66

- sign 0.007+/-0.018 χ^2/NDF: 26.5/33


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
110
120
130
140
150
160
170
Right In: 73.260+/-0.023 χ²/NDF: 2852306.8/15
Left Out: 73.740+/-0.016 χ²/NDF:1087441.2/16
Right Out: 68.713+/-0.022 χ²/NDF: 3332744.7/17
Left In: 70.519+/-0.015 χ²/NDF:1303273.1/15
+ sign 73.585+/-0.013 χ²/NDF: 3940049.3/32
All: 71.705+/-0.009 χ²/NDF: 8621319.2/66
- sign 69.958+/-0.012 χ²/NDF: 4640506.2/33

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.063+/-0.022 χ^2/NDF:16.9/16

Right Out: 0.050+/-0.032 χ^2/NDF: 13.0/17

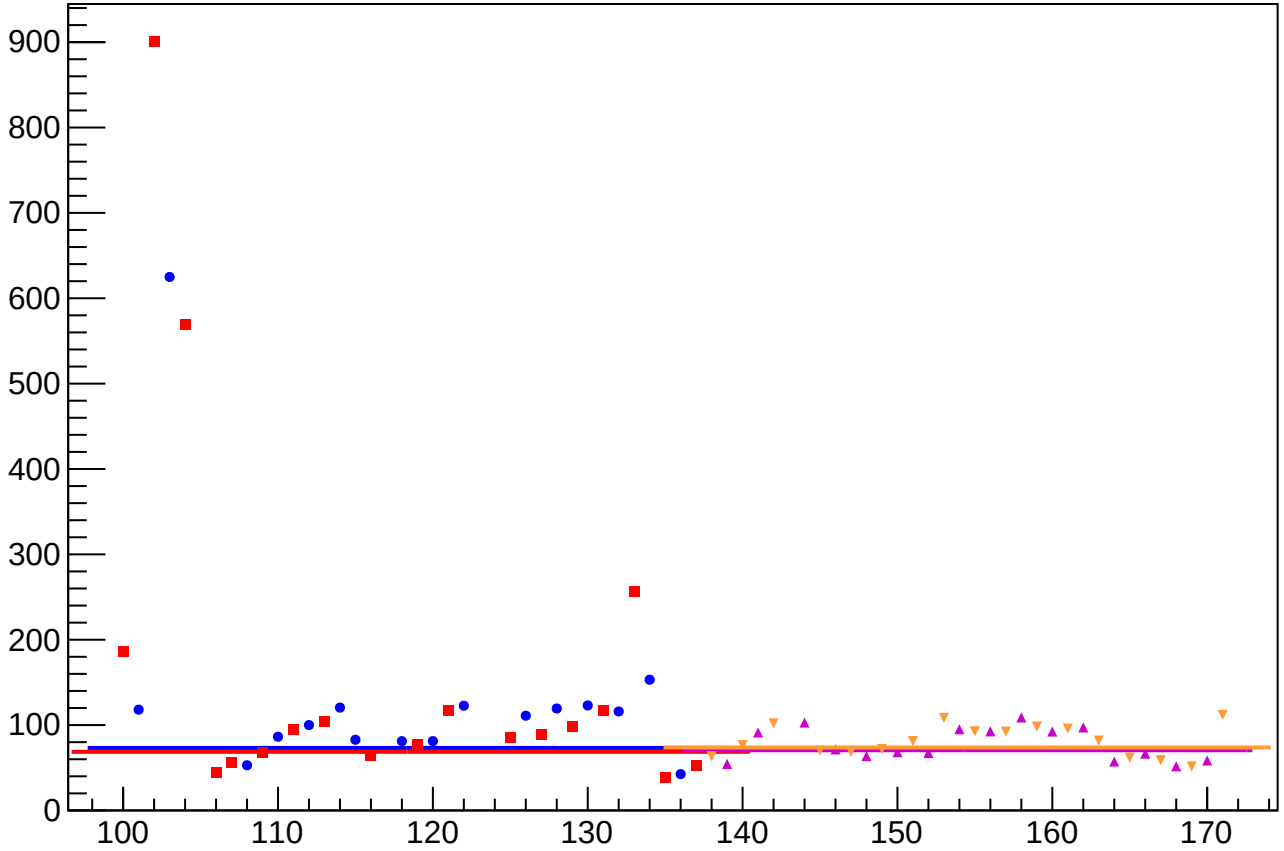
Left In: -0.013+/-0.021 χ^2/NDF:10.8/15

+ sign -0.044+/-0.018 χ^2/NDF: 29.4/32

All: -0.018+/-0.013 χ^2/NDF: 59.9/66

- sign 0.007+/-0.018 χ^2/NDF: 26.5/33

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: 73.740+/-0.016 χ^2/NDF:1087441.2/16

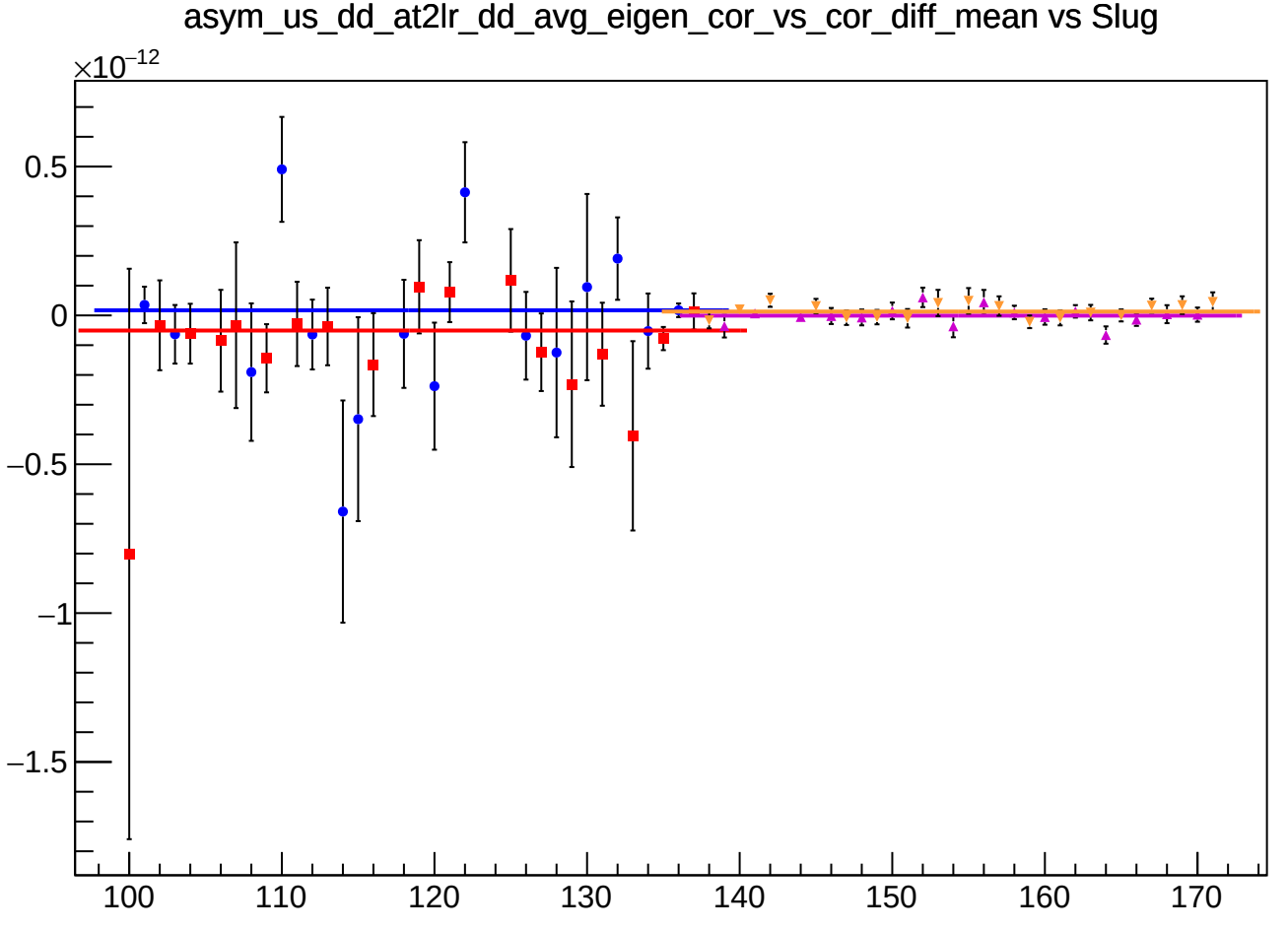
Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 70.519+/-0.015 χ^2/NDF:1303273.1/15

+ sign 73.585+/-0.013 χ^2/NDF: 3940049.3/32

All: 71.705+/-0.009 χ^2/NDF: 8621319.2/66

- sign 69.958+/-0.012 χ^2/NDF: 4640506.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/16

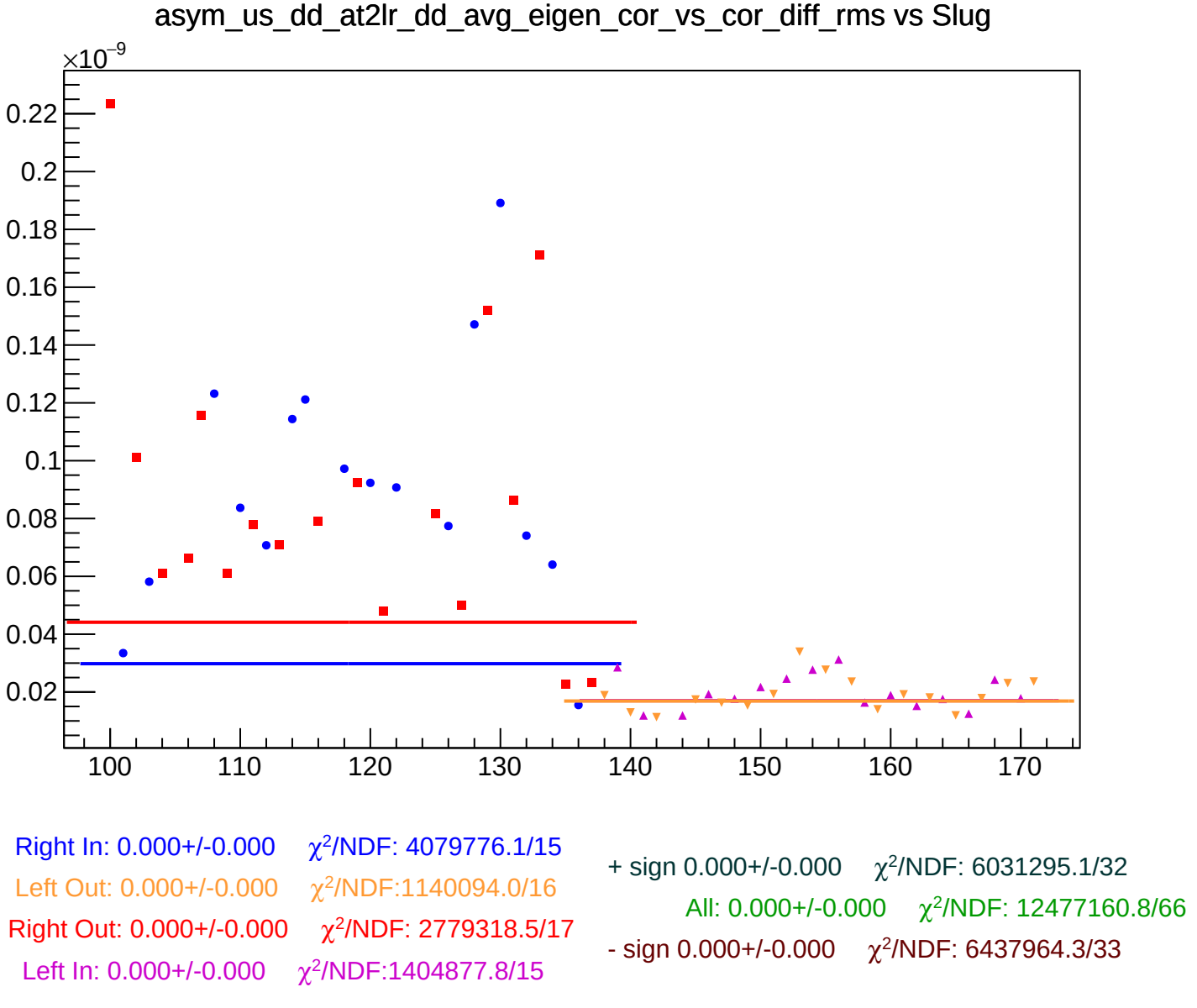
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/15

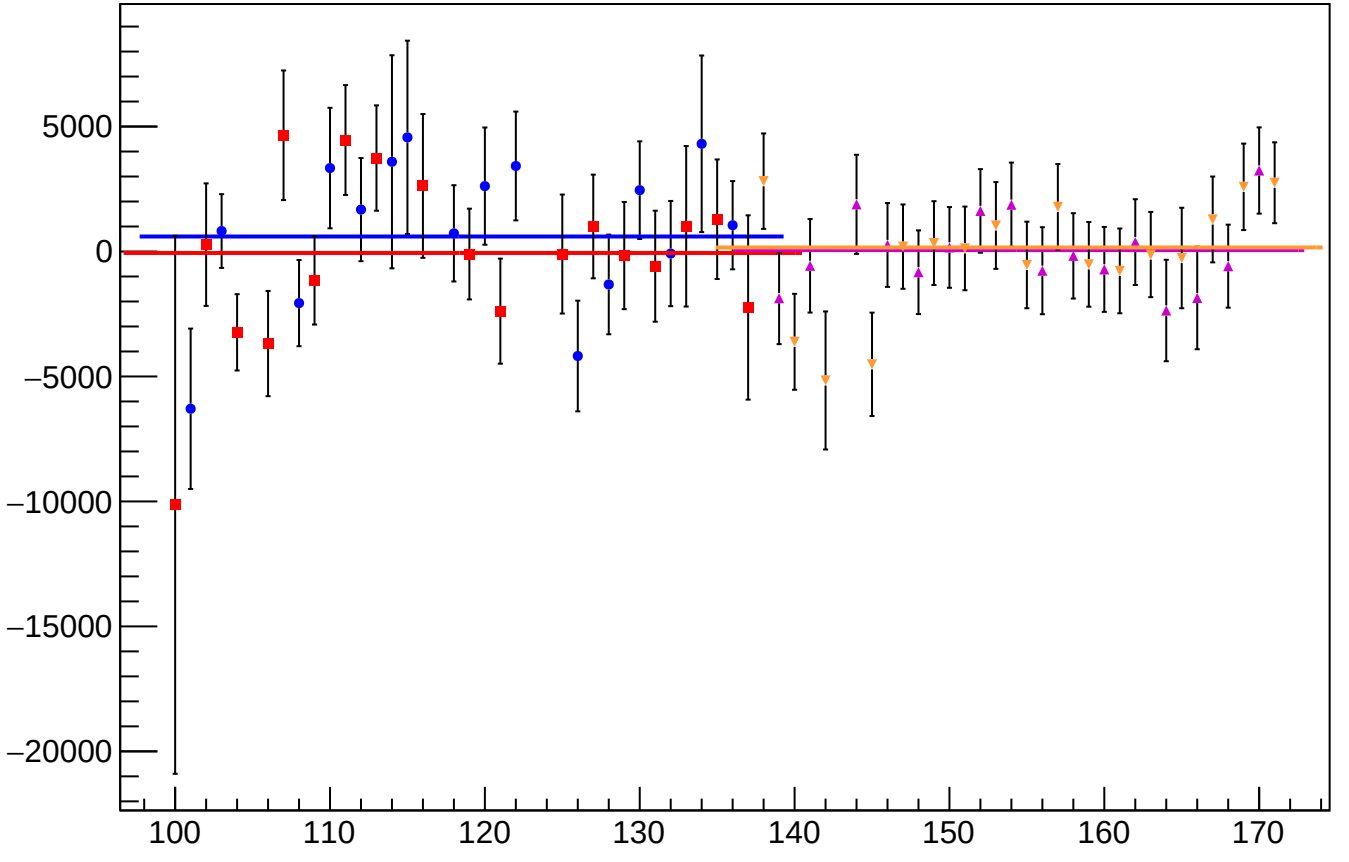
+ sign 0.000+/-0.000 χ^2/NDF: 37.6/32

All: 0.000+/-0.000 χ^2/NDF: 68.0/66

- sign -0.000+/-0.000 χ^2/NDF: 26.3/33


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1140094.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1404877.8/15
+ sign 0.000+/-0.000 χ²/NDF: 6031295.1/32
All: 0.000+/-0.000 χ²/NDF: 12477160.8/66
- sign 0.000+/-0.000 χ²/NDF: 6437964.3/33

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.808+/-433.368 χ^2/NDF:21.4/16

Right Out: -59.091+/-530.206 χ^2/NDF: 22.5/17

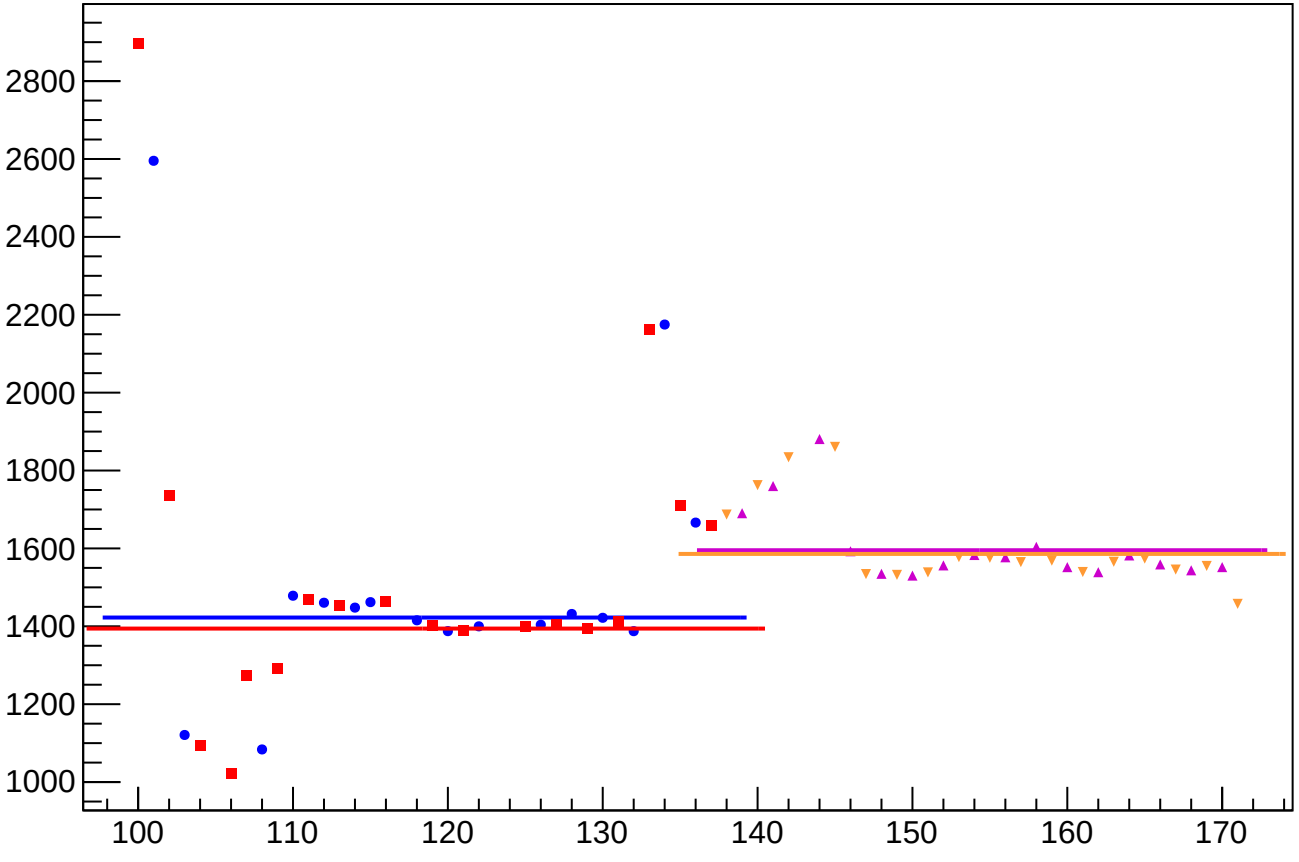
Left In: 56.063+/-439.415 χ^2/NDF:10.7/15

+ sign 333.506+/-337.998 χ^2/NDF: 42.2/32

All: 171.498+/-239.117 χ^2/NDF: 75.9/66

- sign 9.175+/-338.327 χ^2/NDF: 33.3/33

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1585.859+/-0.306 χ^2/NDF:96338.7/16

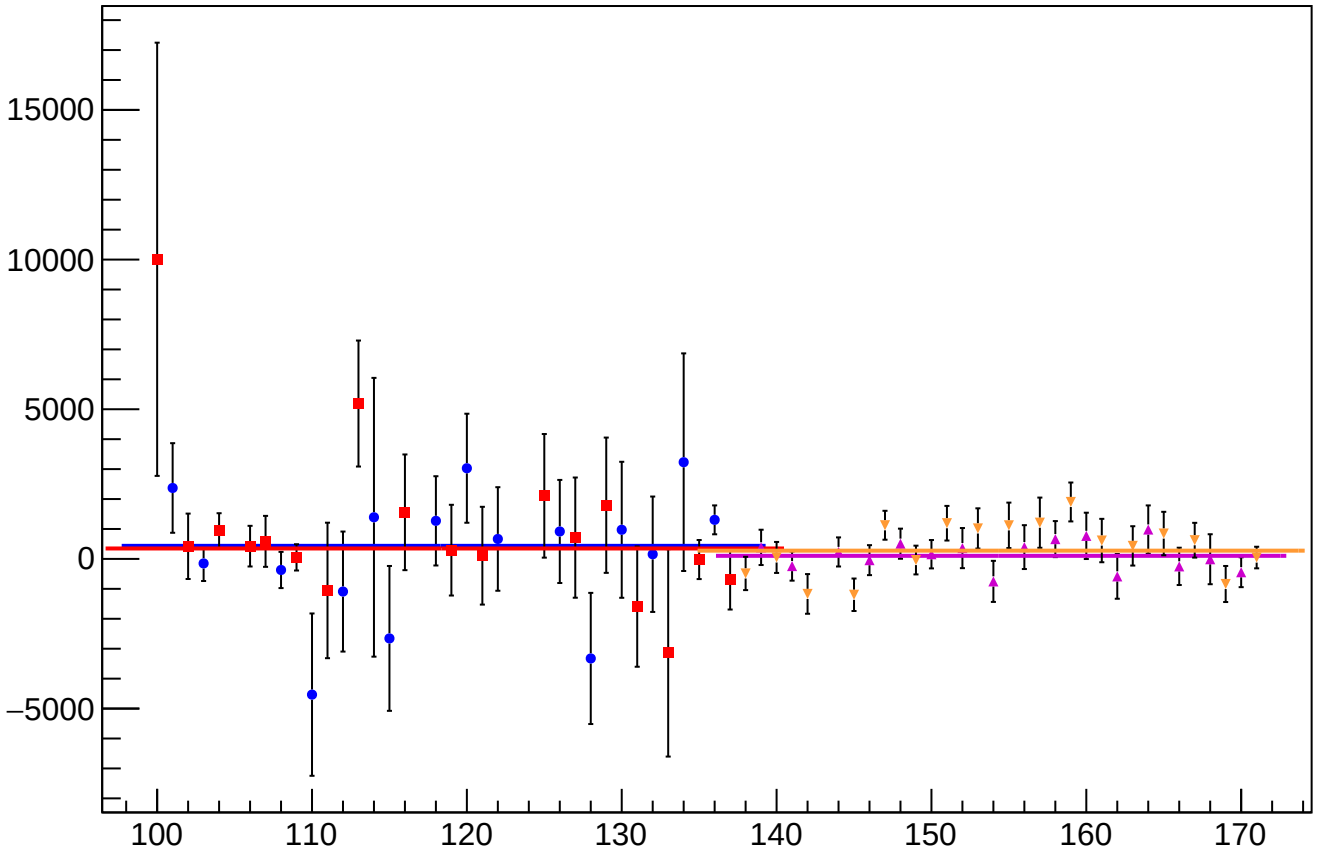
Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

+ sign 1521.877+/-0.239 χ^2/NDF: 767894.2/32

All: 1517.654+/-0.169 χ^2/NDF: 1409910.8/66

- sign 1513.422+/-0.239 χ^2/NDF: 641391.5/33



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 275.835+/-139.322 χ^2/NDF:35.3/16

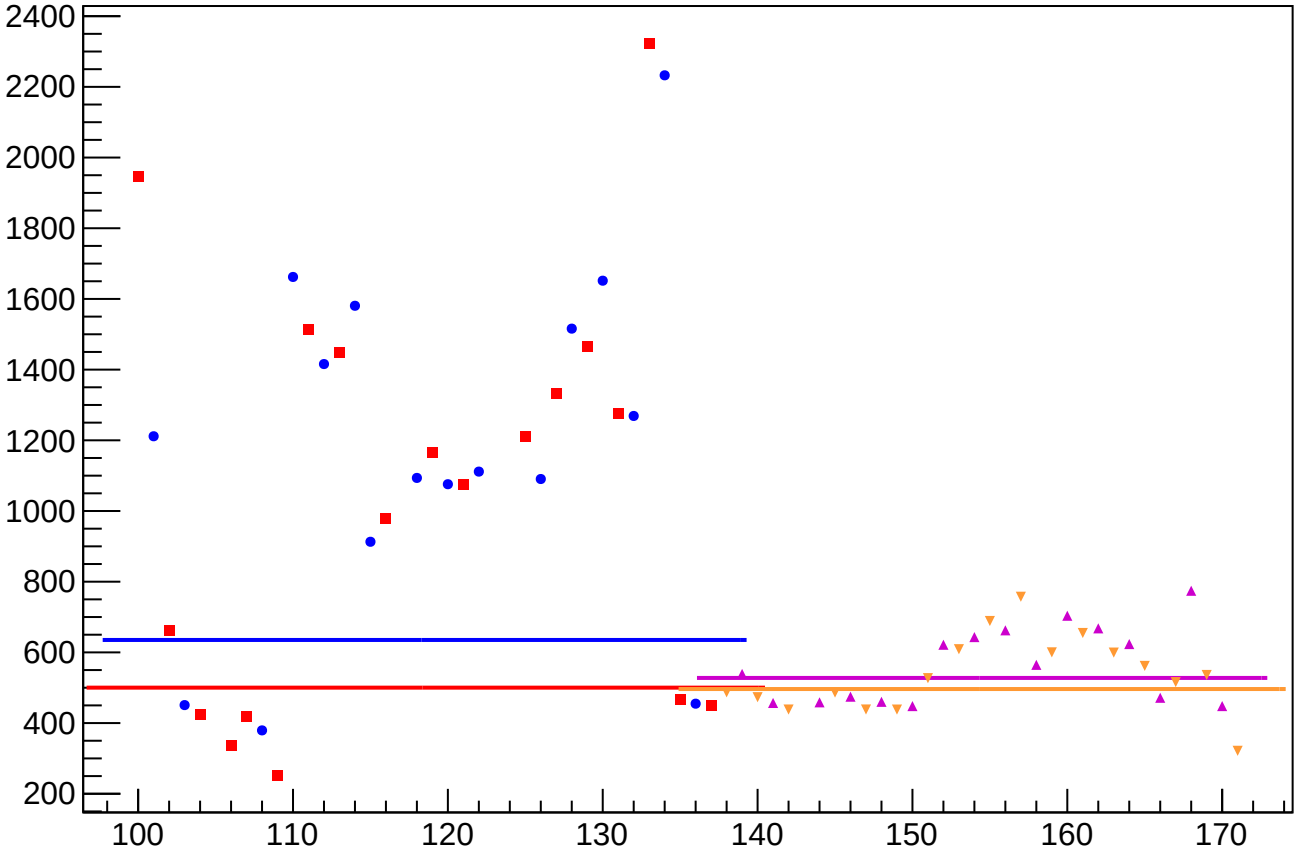
Right Out: 348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: 103.218+/-147.885 χ^2/NDF:8.6/15

+ sign 308.478+/-124.367 χ^2/NDF: 54.9/32

All: 241.244+/-88.154 χ^2/NDF: 78.8/66

- sign 173.353+/-124.973 χ^2/NDF: 23.3/33



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 496.313+/-0.099 χ^2/NDF:1155356.8/16

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

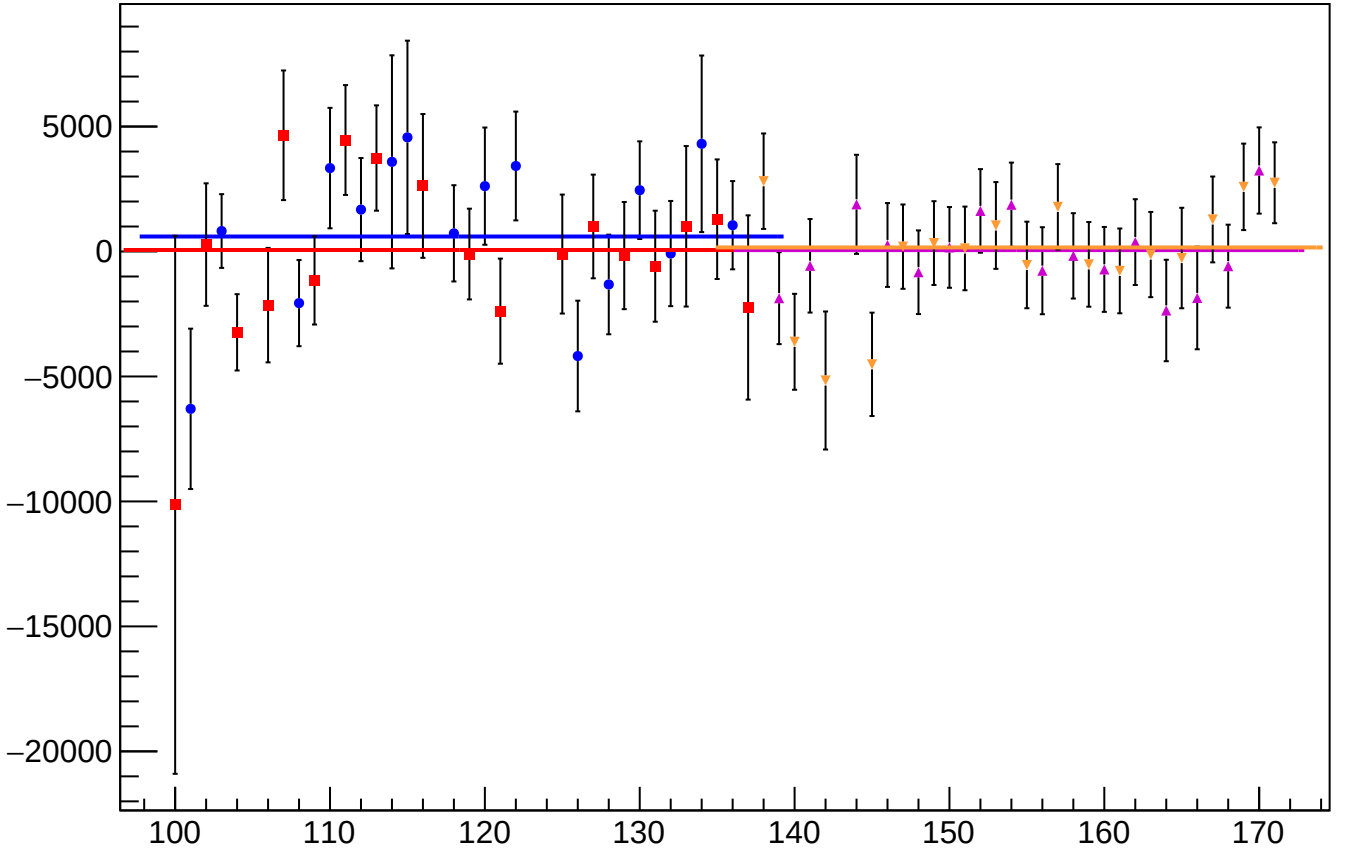
Left In: 527.709+/-0.105 χ^2/NDF:813620.3/15

+ sign 524.517+/-0.088 χ^2/NDF: 5311357.9/32

All: 522.197+/-0.062 χ^2/NDF: 10455207.6/66

- sign 519.854+/-0.088 χ^2/NDF: 5142450.7/33

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.711+/-433.368 χ^2/NDF:21.4/16

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

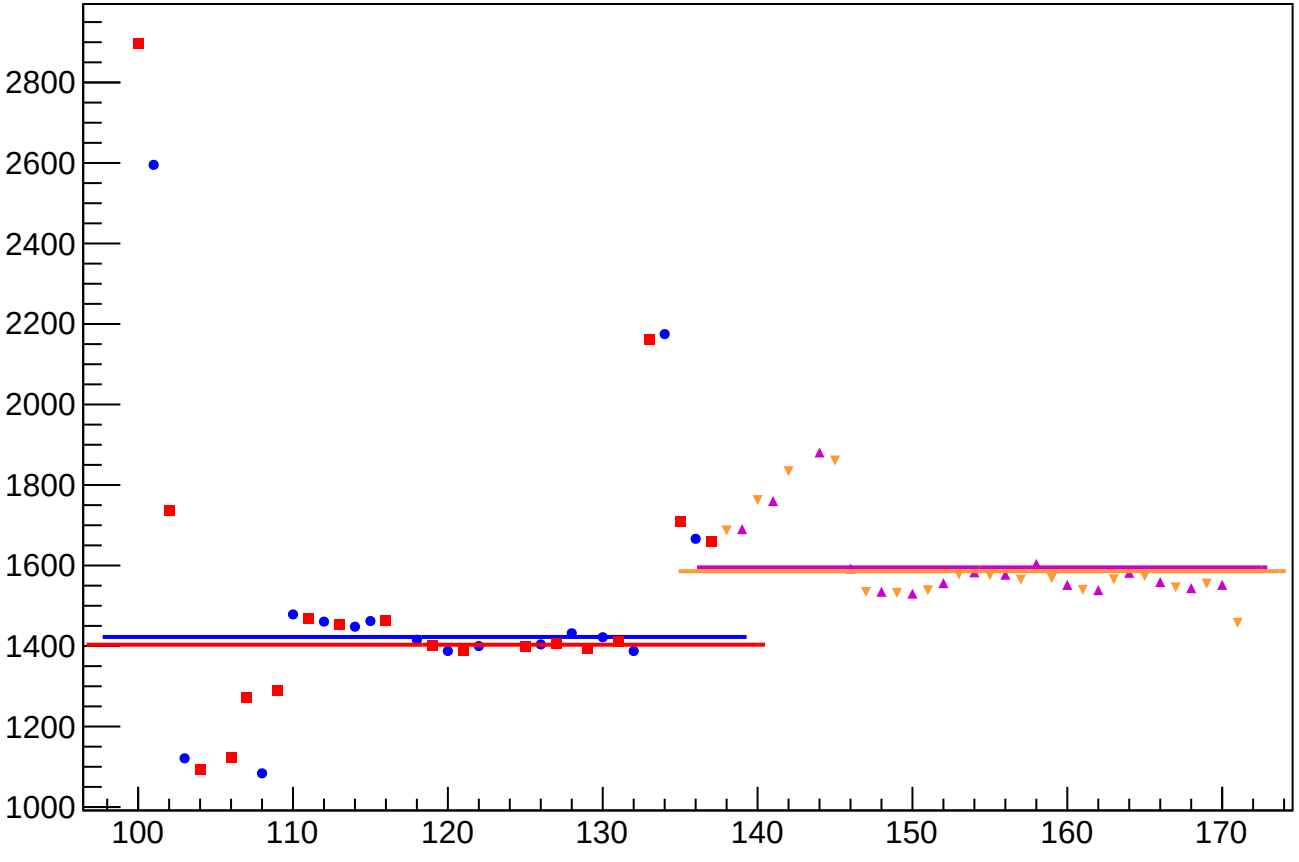
Left In: 56.096+/-439.415 χ^2/NDF:10.7/15

+ sign 333.398+/-337.998 χ^2/NDF: 42.2/32

All: 196.020+/-239.356 χ^2/NDF: 73.6/66

- sign 57.822+/-339.005 χ^2/NDF: 31.1/33

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1585.859+/-0.306 χ^2/NDF:96338.7/16

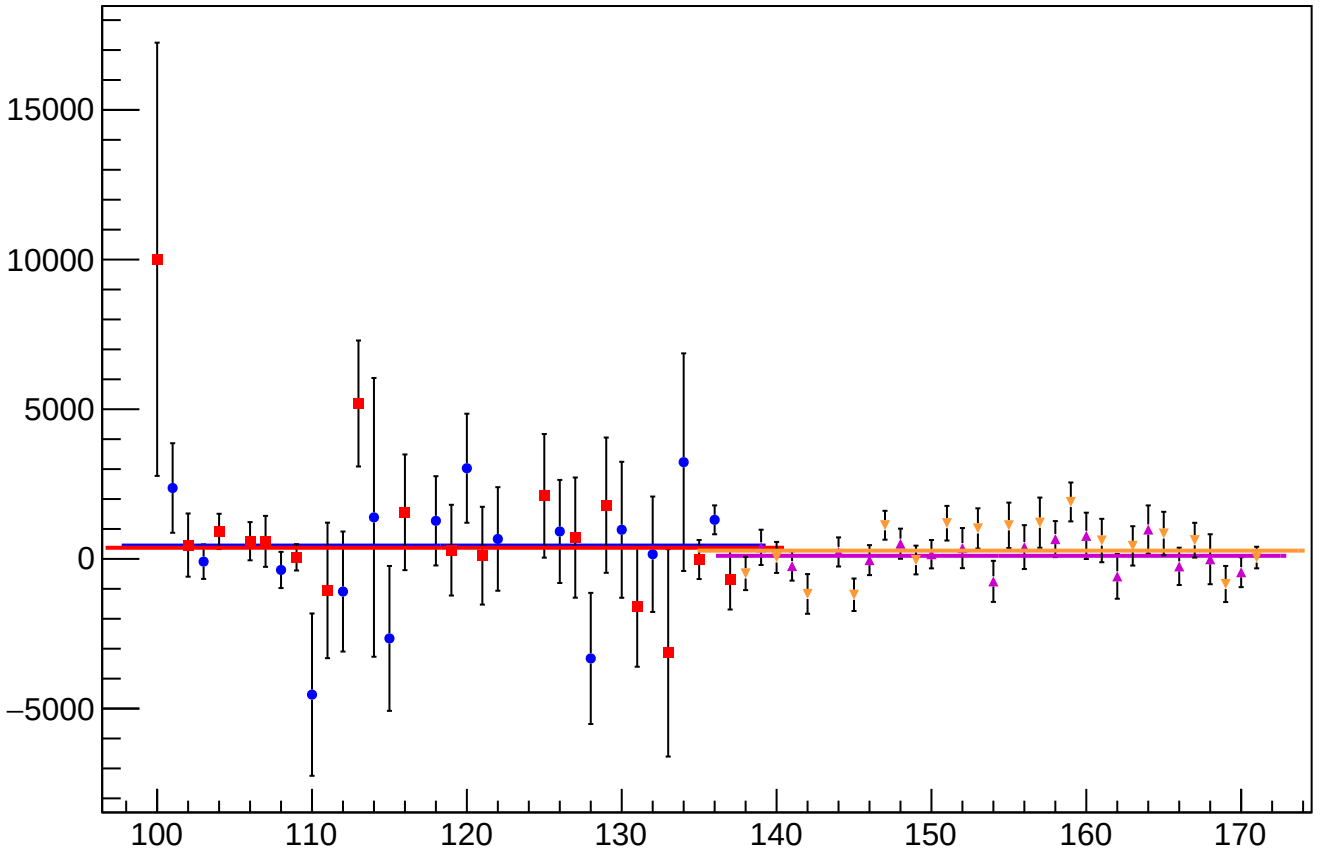
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

+ sign 1521.876+/-0.239 χ^2/NDF: 767894.6/32

All: 1519.727+/-0.169 χ^2/NDF: 1358977.8/66

- sign 1517.564+/-0.240 χ^2/NDF: 590920.9/33



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 275.884+/-139.325 χ^2/NDF:35.3/16

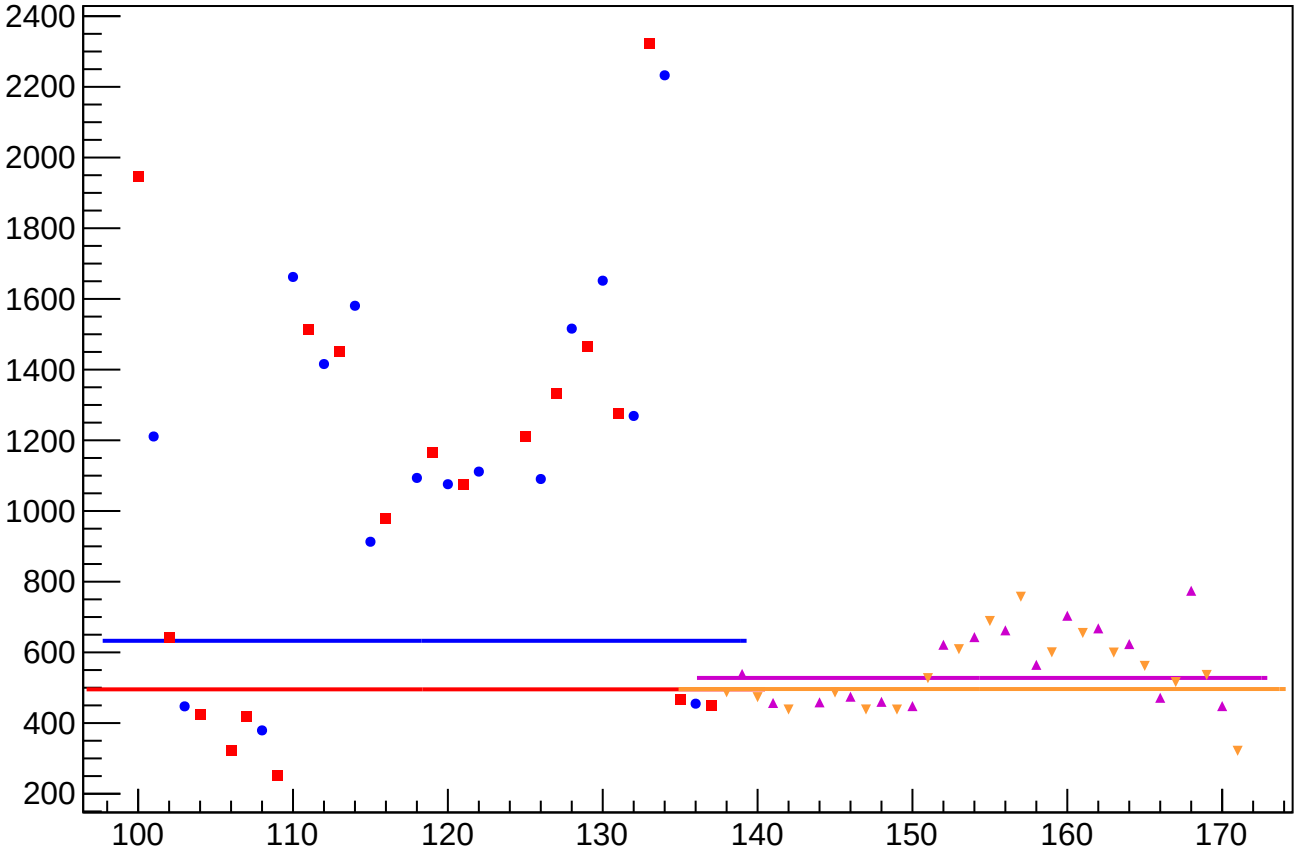
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 103.281+/-147.883 χ^2/NDF:8.6/15

\+ sign 310.503+/-124.260 χ^2/NDF: 54.8/32

All: 246.122+/-87.986 χ^2/NDF: 78.9/66

\- sign 181.385+/-124.603 χ^2/NDF: 23.5/33



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 496.322+/-0.099 χ^2/NDF:1155285.5/16

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

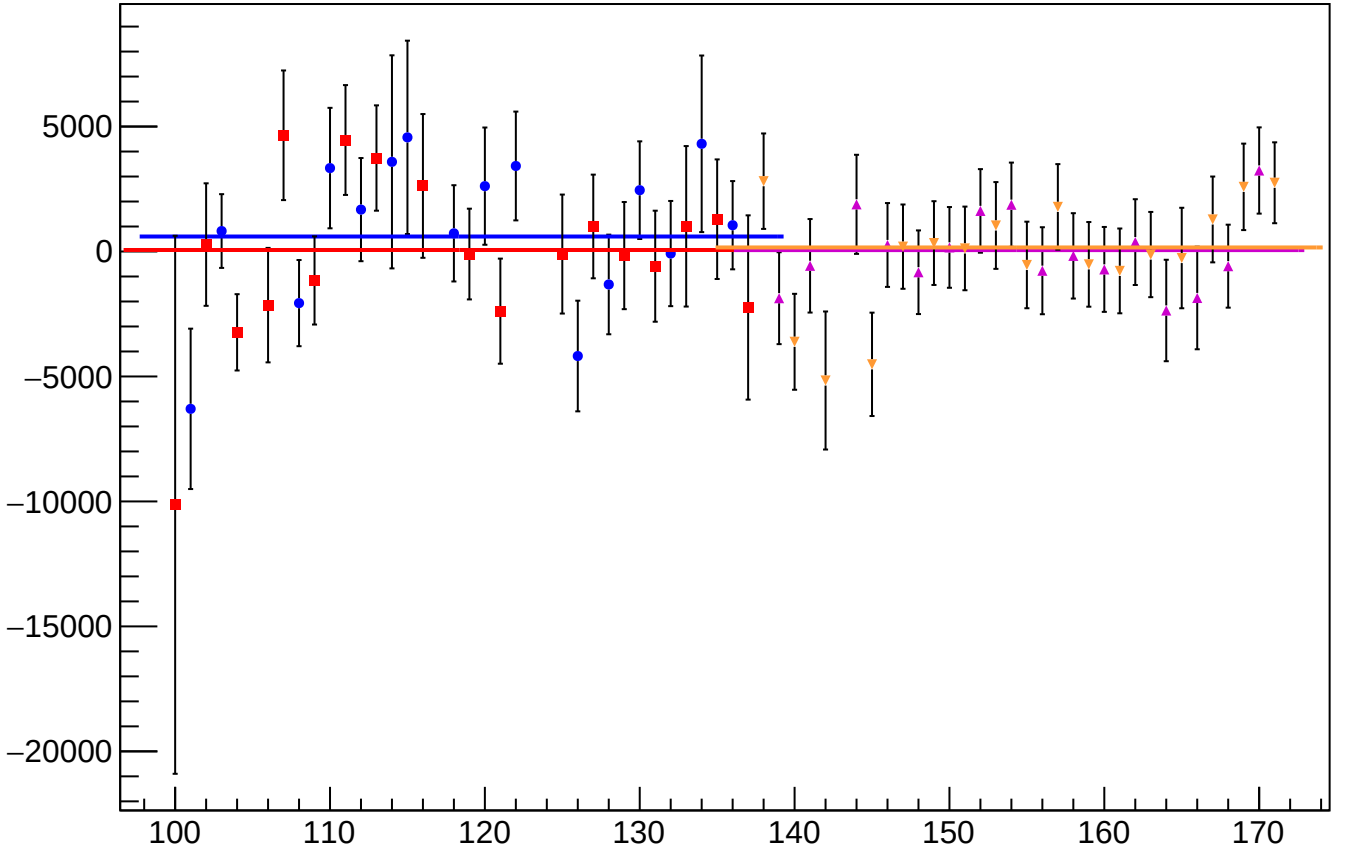
Left In: 527.704+/-0.105 χ^2/NDF:813665.9/15

+ sign 524.231+/-0.088 χ^2/NDF: 5315323.8/32

All: 521.287+/-0.062 χ^2/NDF: 10496441.8/66

- sign 518.328+/-0.088 χ^2/NDF: 5178867.4/33

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.711+/-433.368 χ^2/NDF:21.4/16

Right Out: 60.361+/-532.826 χ^2/NDF: 20.4/17

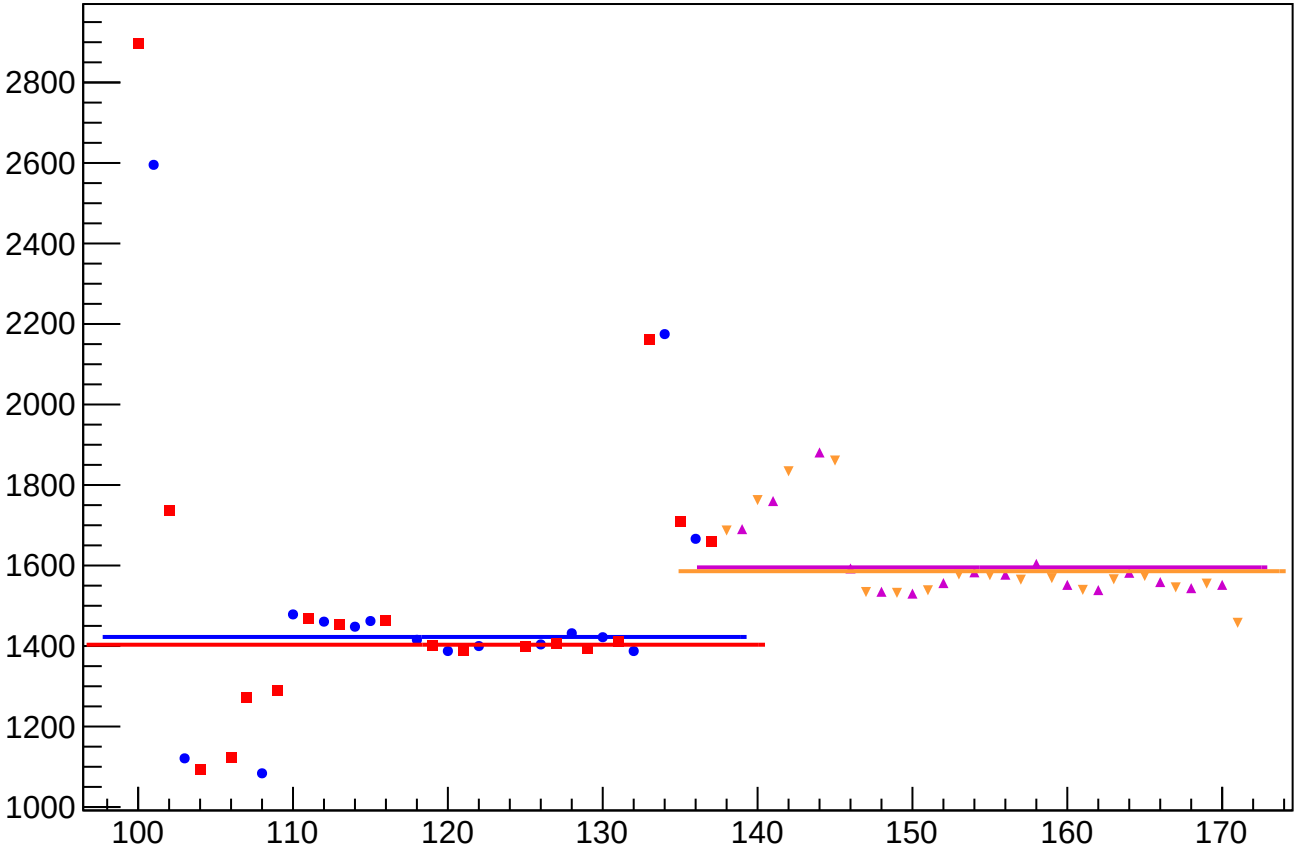
Left In: 56.096+/-439.415 χ^2/NDF:10.7/15

+ sign 333.398+/-337.998 χ^2/NDF: 42.2/32

All: 196.020+/-239.356 χ^2/NDF: 73.6/66

- sign 57.822+/-339.005 χ^2/NDF: 31.1/33

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: 1585.859+/-0.306 χ^2/NDF:96338.7/16

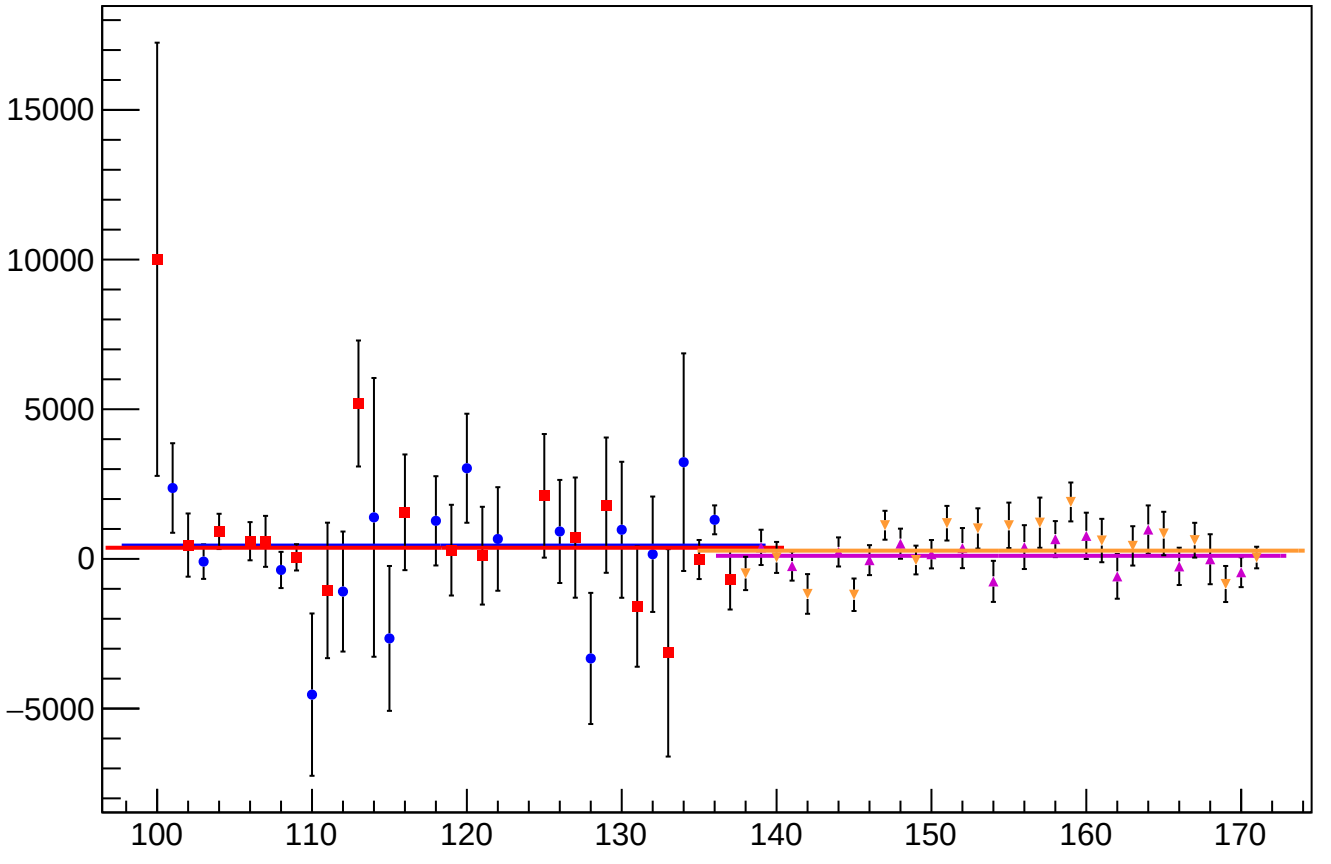
Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1595.330+/-0.311 χ^2/NDF:77058.8/15

+ sign 1521.876+/-0.239 χ^2/NDF: 767894.6/32

All: 1519.727+/-0.169 χ^2/NDF: 1358977.8/66

- sign 1517.564+/-0.240 χ^2/NDF: 590920.9/33



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 275.884+/-139.325 χ^2/NDF:35.3/16

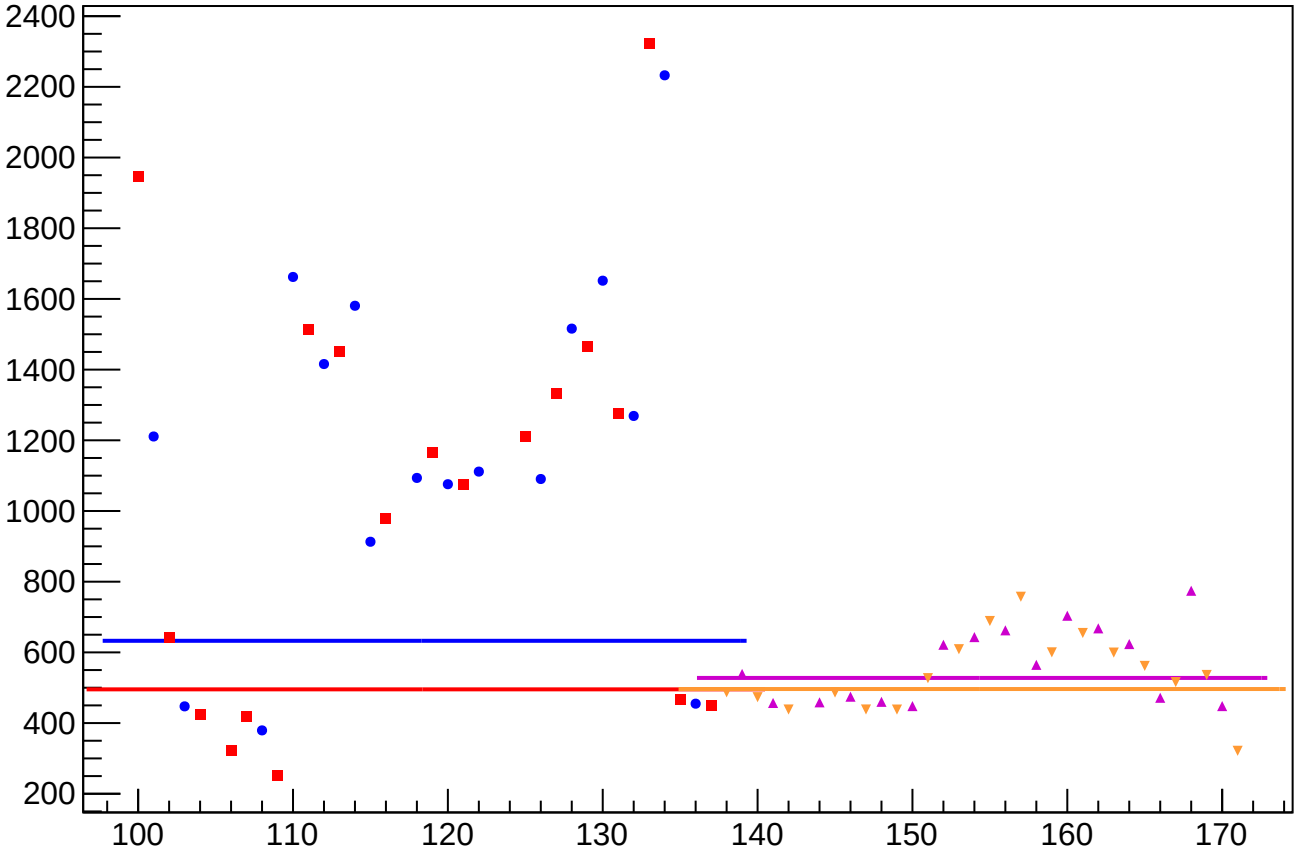
Right Out: 372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: 103.281+/-147.883 χ^2/NDF:8.6/15

\+ sign 310.503+/-124.260 χ^2/NDF: 54.8/32

All: 246.122+/-87.986 χ^2/NDF: 78.9/66

\- sign 181.385+/-124.603 χ^2/NDF: 23.5/33



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 496.322+/-0.099 χ^2/NDF:1155285.5/16

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

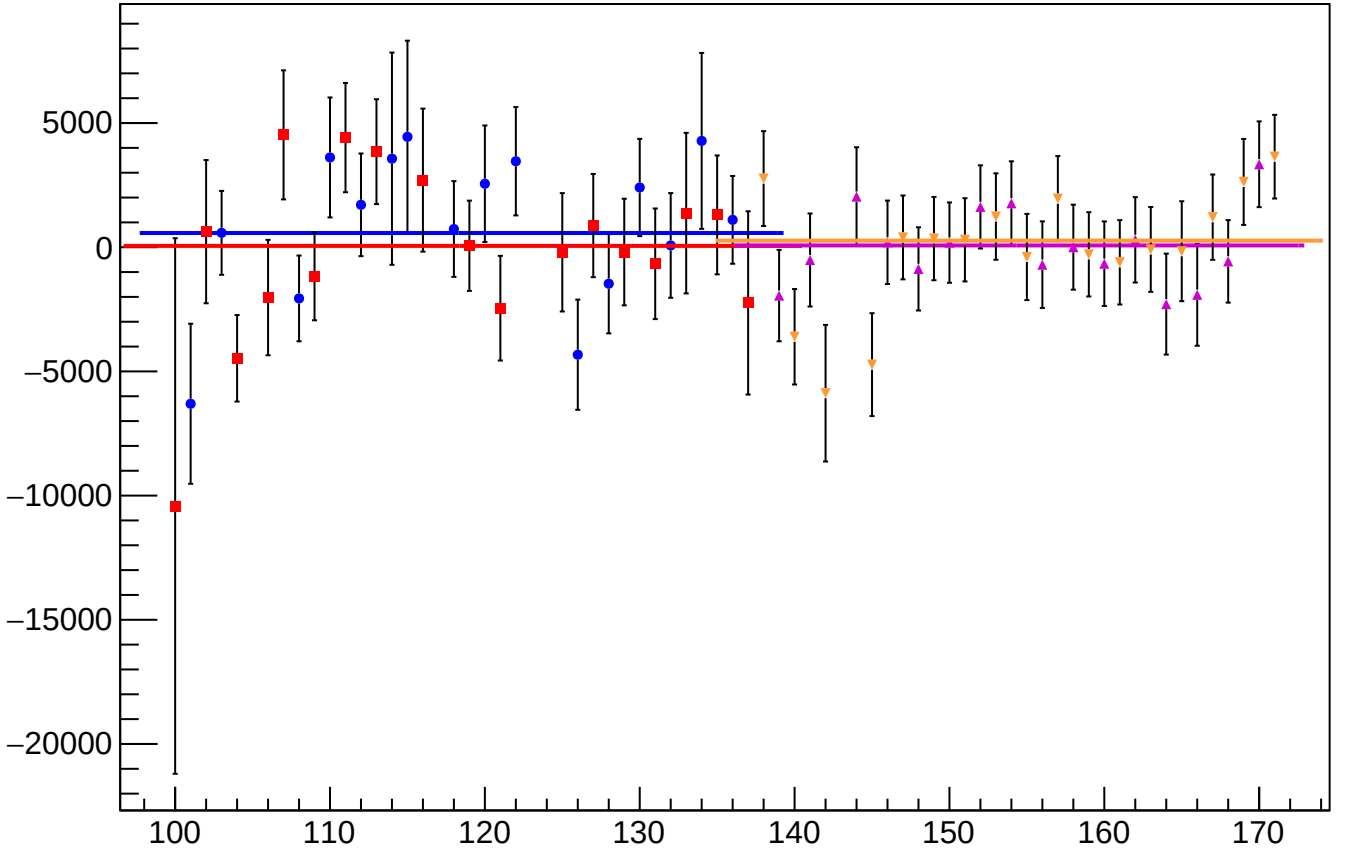
Left In: 527.704+/-0.105 χ^2/NDF:813665.9/15

+ sign 524.231+/-0.088 χ^2/NDF: 5315323.8/32

All: 521.287+/-0.062 χ^2/NDF: 10496441.8/66

- sign 518.328+/-0.088 χ^2/NDF: 5178867.4/33

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 266.255+/-435.021 χ^2/NDF:24.7/16

Right Out: 53.754+/-545.353 χ^2/NDF: 22.5/17

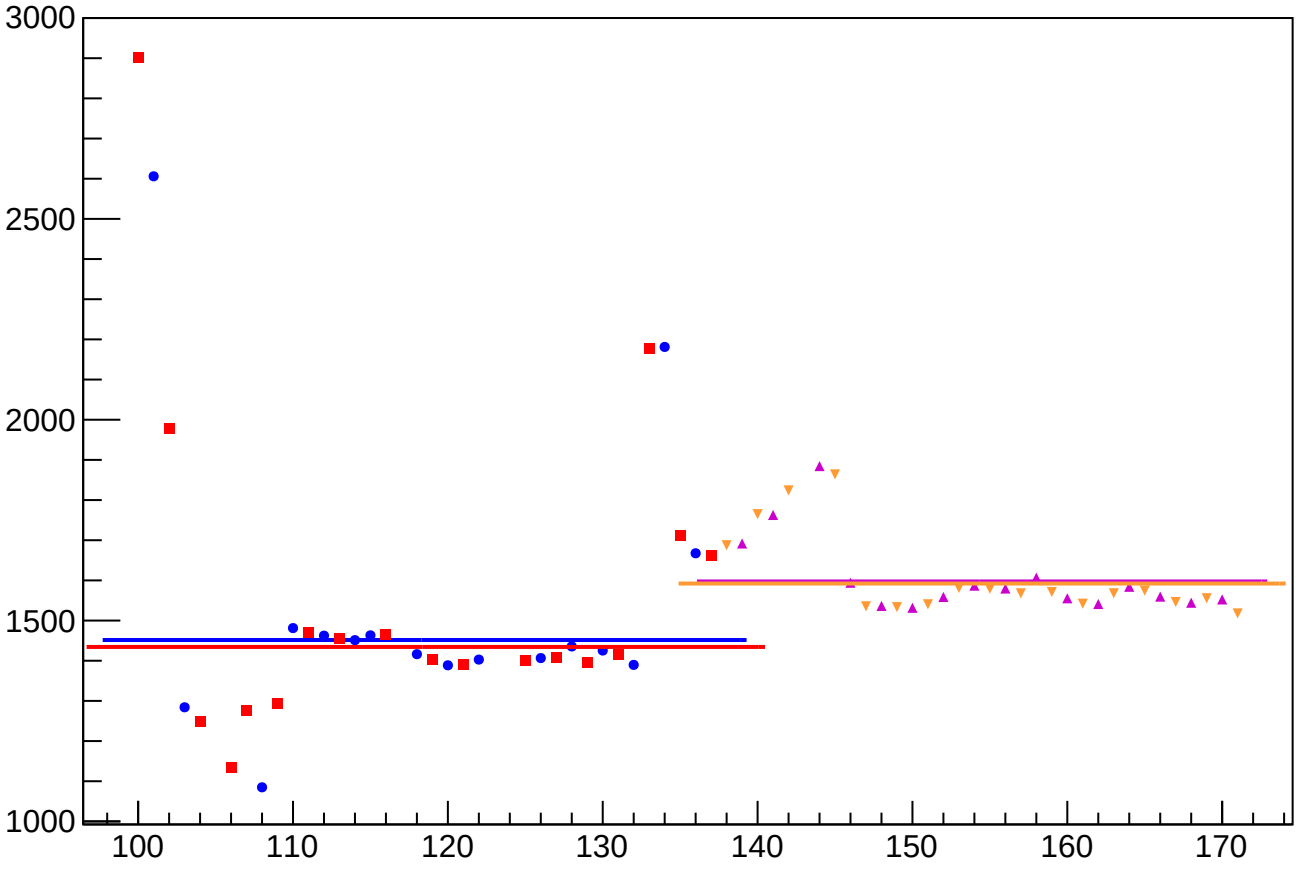
Left In: 72.097+/-439.992 χ^2/NDF:10.9/15

+ sign 384.125+/-341.109 χ^2/NDF: 45.6/32

All: 225.115+/-241.669 χ^2/NDF: 79.5/66

- sign 64.865+/-342.437 χ^2/NDF: 33.4/33

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1592.192+/-0.308 χ^2/NDF:85820.3/16

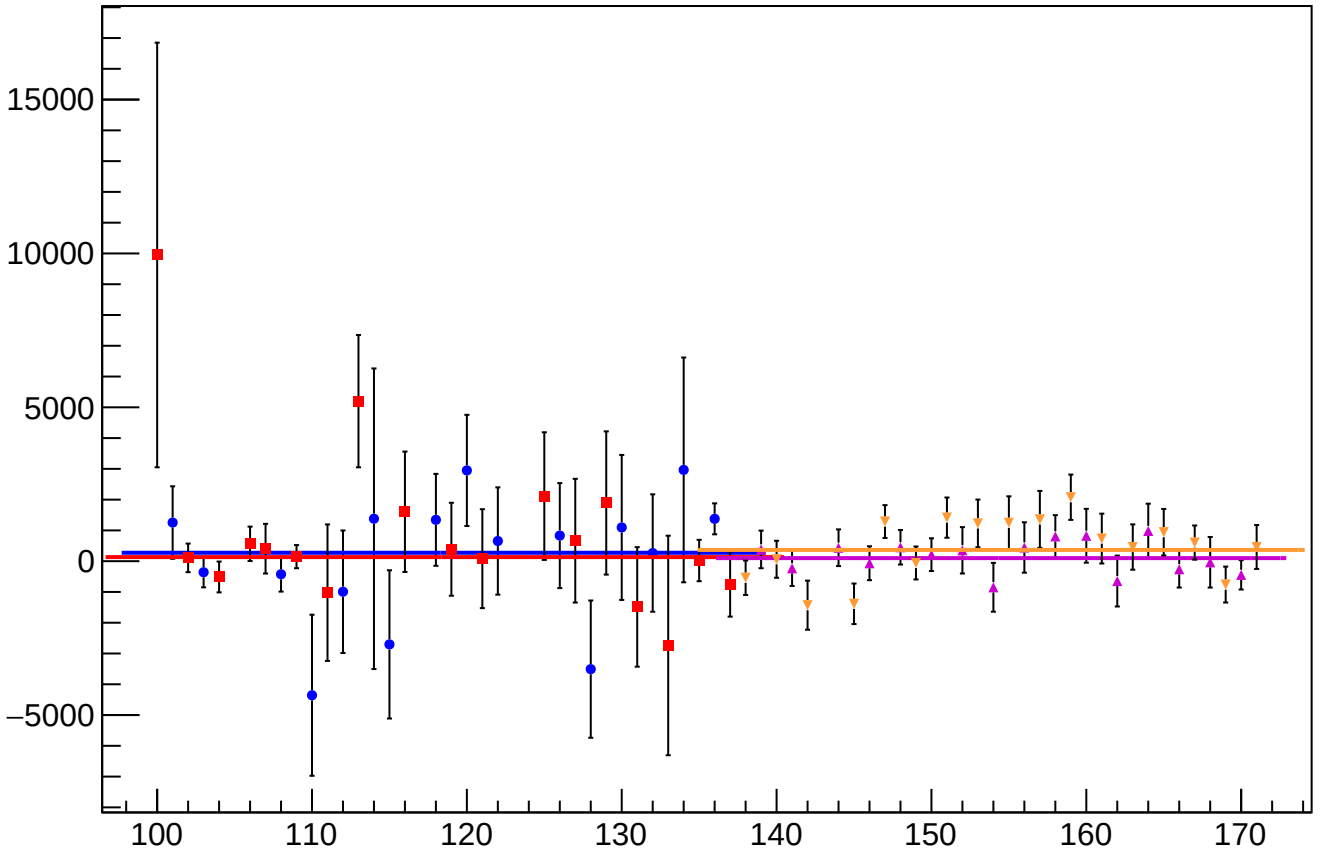
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1597.403+/-0.311 χ^2/NDF:77507.1/15

+ sign 1538.035+/-0.241 χ^2/NDF: 654138.7/32

All: 1535.578+/-0.171 χ^2/NDF: 1168777.3/66

- sign 1533.103+/-0.242 χ^2/NDF: 514430.3/33



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 365.384+/-161.234 χ^2/NDF:34.8/16

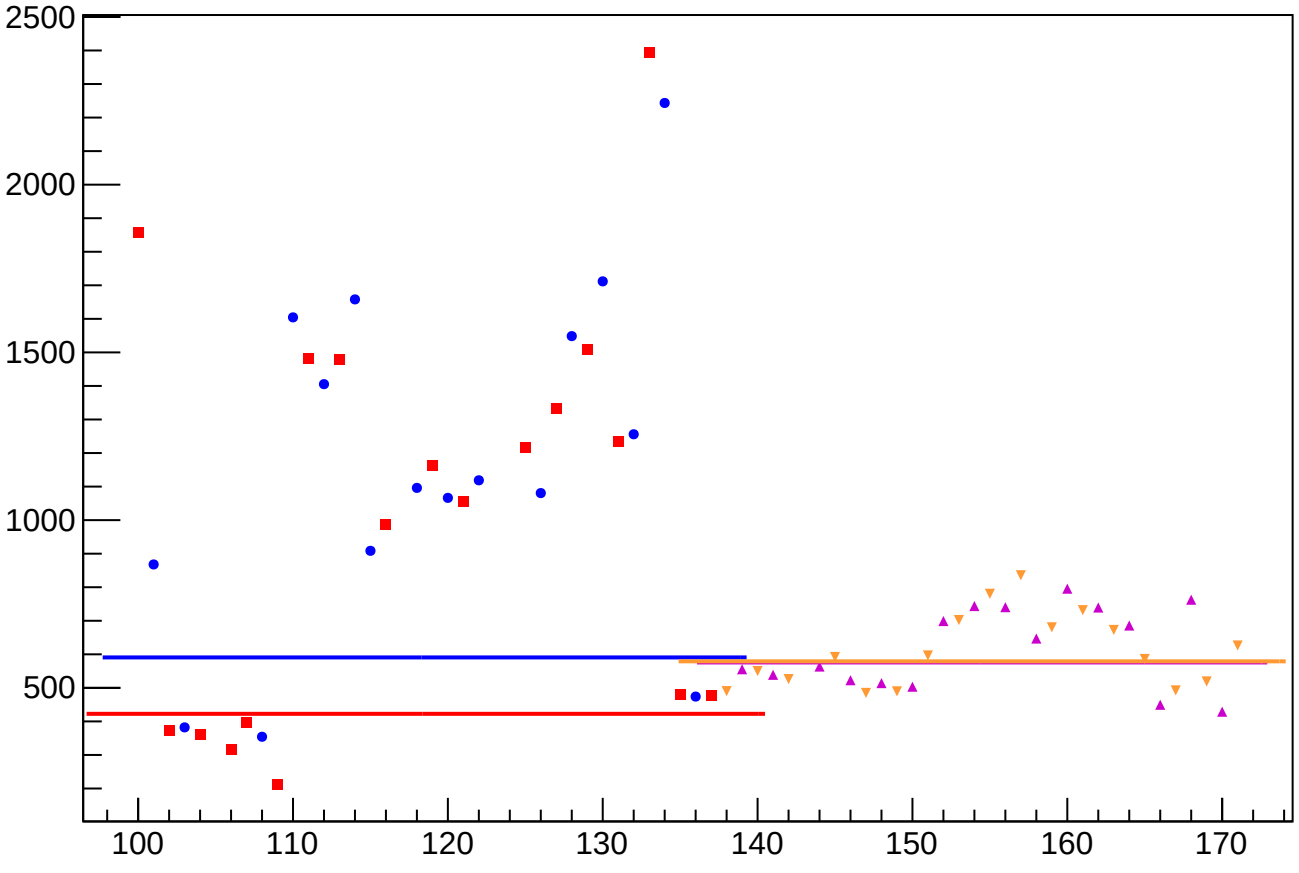
Right Out: 132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: 99.325+/-161.808 χ^2/NDF:8.3/15

+ sign 339.922+/-137.104 χ^2/NDF: 55.1/32

All: 215.685+/-92.276 χ^2/NDF: 79.4/66

- sign 112.806+/-124.763 χ^2/NDF: 22.8/33



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 579.105+/-0.114 χ^2/NDF:717974.5/16

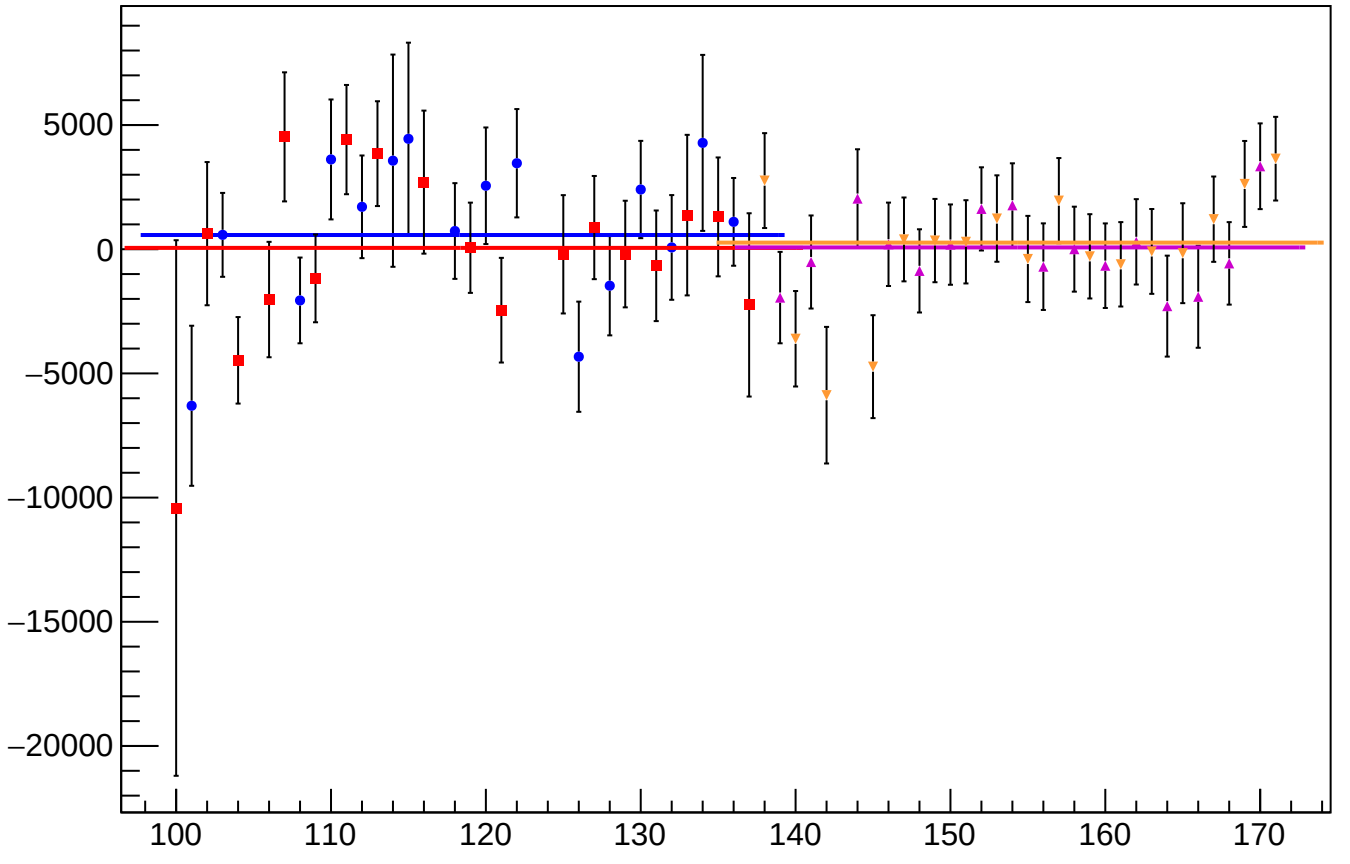
Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 575.734+/-0.114 χ^2/NDF:954694.8/15

+ sign 582.330+/-0.097 χ^2/NDF: 4606365.0/32

All: 544.763+/-0.065 χ^2/NDF: 11419622.5/66

- sign 513.655+/-0.088 χ^2/NDF: 6538764.0/33



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 266.249+/-435.021 χ^2/NDF:24.7/16

Right Out: 53.752+/-545.353 χ^2/NDF: 22.5/17

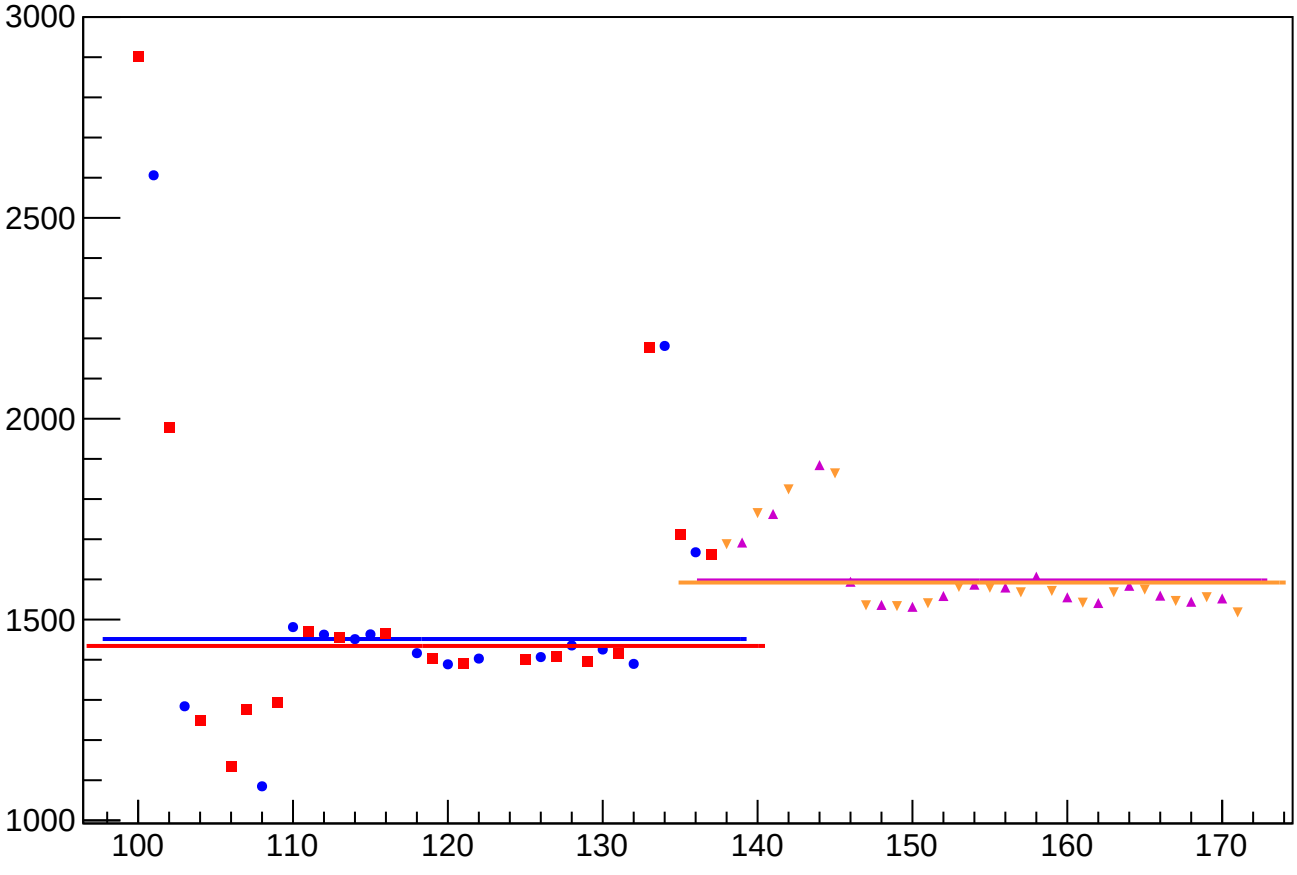
Left In: 72.095+/-439.992 χ^2/NDF:10.9/15

+ sign 384.122+/-341.109 χ^2/NDF: 45.6/32

All: 225.112+/-241.669 χ^2/NDF: 79.5/66

- sign 64.863+/-342.437 χ^2/NDF: 33.4/33

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: 1592.192+/-0.308 χ^2/NDF:85820.9/16

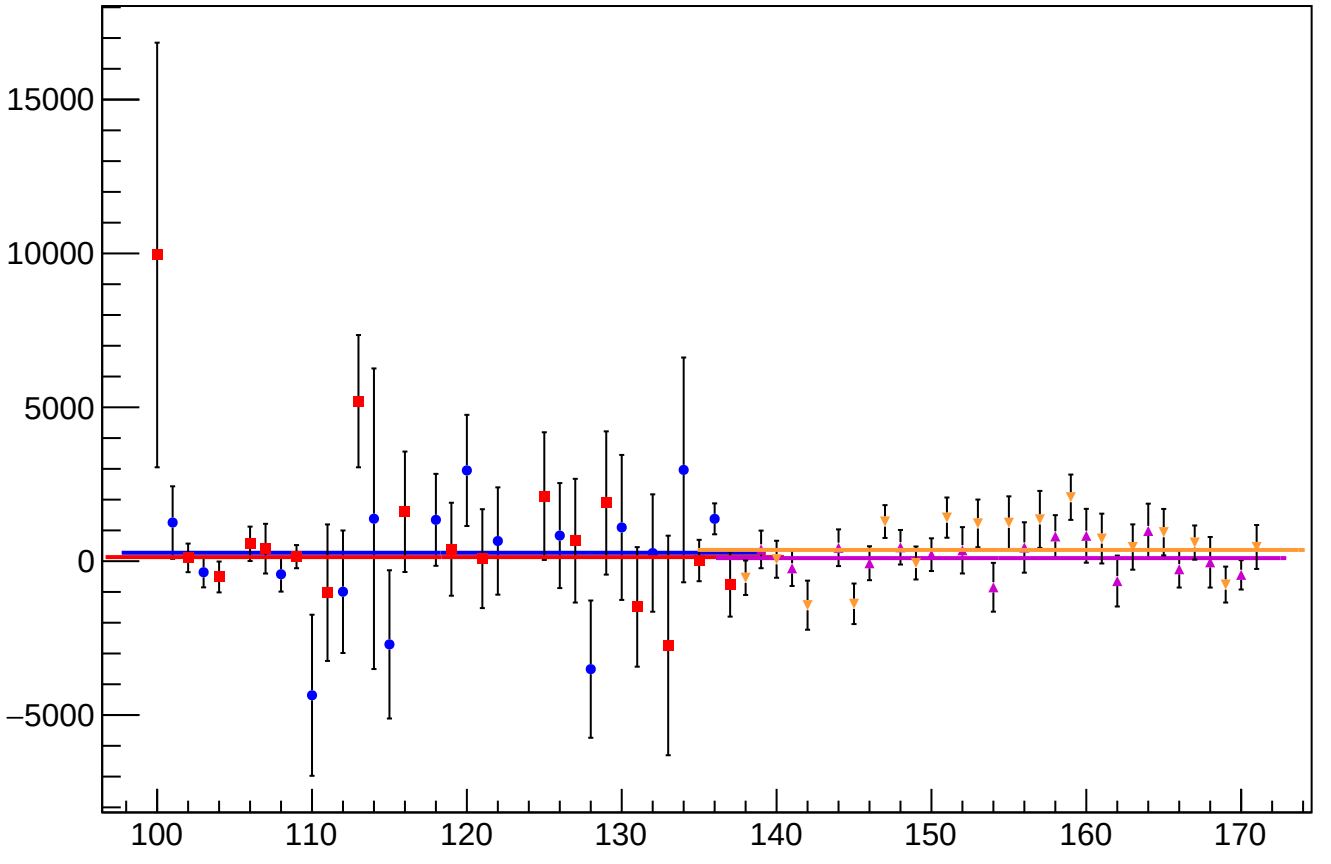
Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1597.403+/-0.311 χ^2/NDF:77507.3/15

+ sign 1538.035+/-0.241 χ^2/NDF: 654138.6/32

All: 1535.578+/-0.171 χ^2/NDF: 1168777.5/66

- sign 1533.103+/-0.242 χ^2/NDF: 514430.7/33



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 365.392+/-161.234 χ^2/NDF:34.8/16

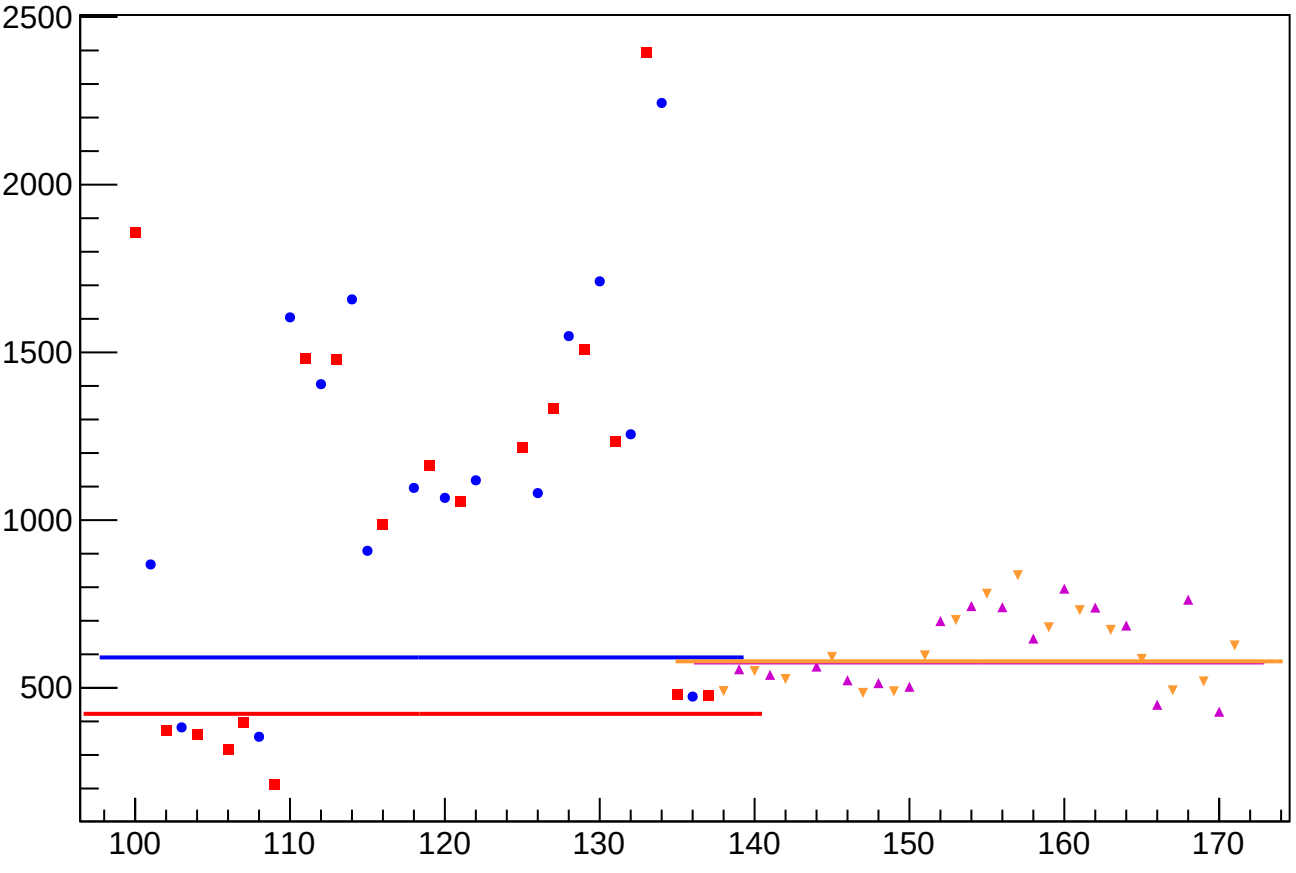
Right Out: 132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: 99.326+/-161.808 χ^2/NDF:8.3/15

+ sign 339.925+/-137.104 χ^2/NDF: 55.1/32

All: 215.686+/-92.276 χ^2/NDF: 79.4/66

- sign 112.804+/-124.764 χ^2/NDF: 22.8/33



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 579.107+/-0.114 χ^2/NDF:717958.4/16

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

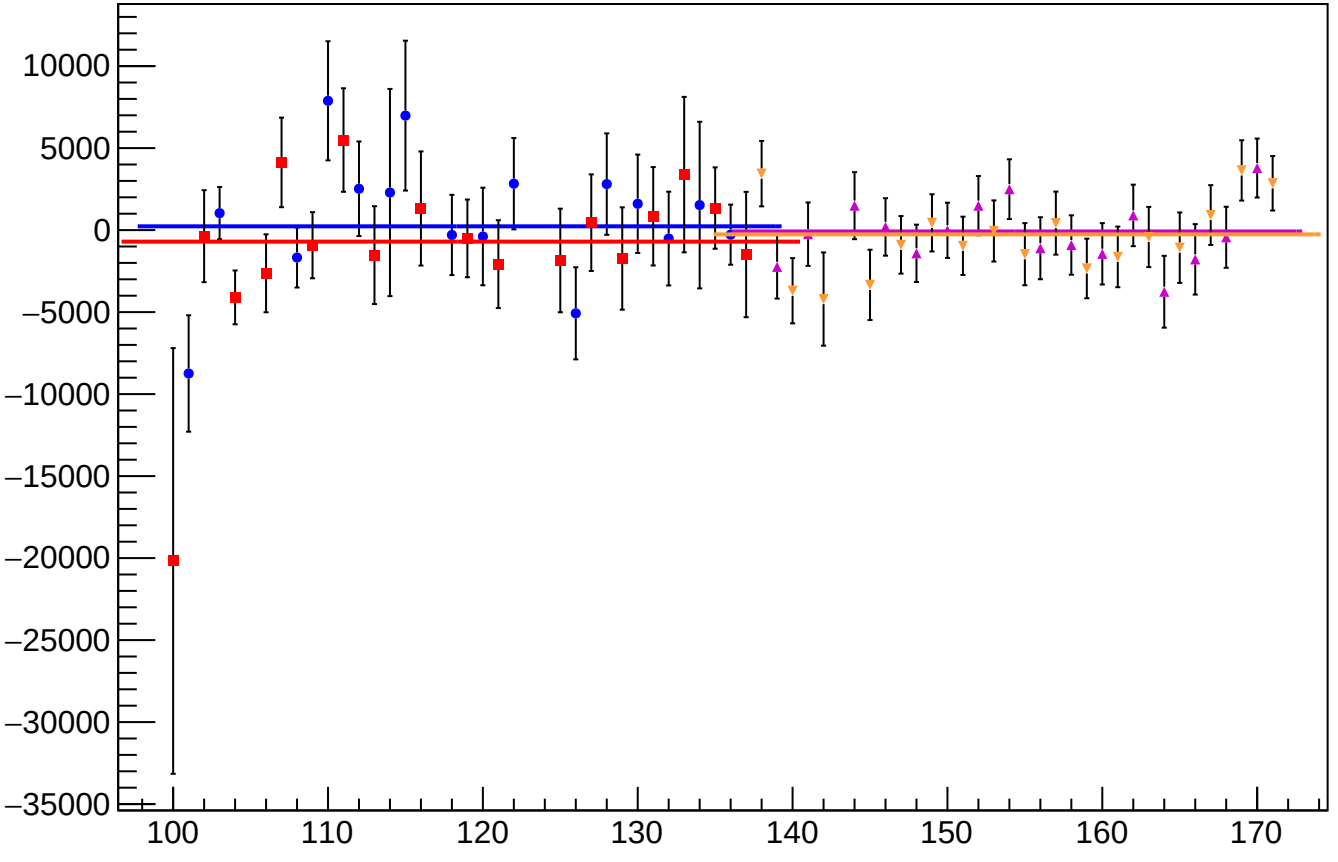
Left In: 575.735+/-0.114 χ^2/NDF:954705.5/15

+ sign 582.331+/-0.097 χ^2/NDF: 4606375.4/32

All: 544.765+/-0.065 χ^2/NDF: 11419489.3/66

- sign 513.658+/-0.088 χ^2/NDF: 6538640.1/33

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -260.522+/-460.259 χ^2/NDF:21.9/16

Right Out: -702.268+/-648.319 χ^2/NDF: 17.0/17

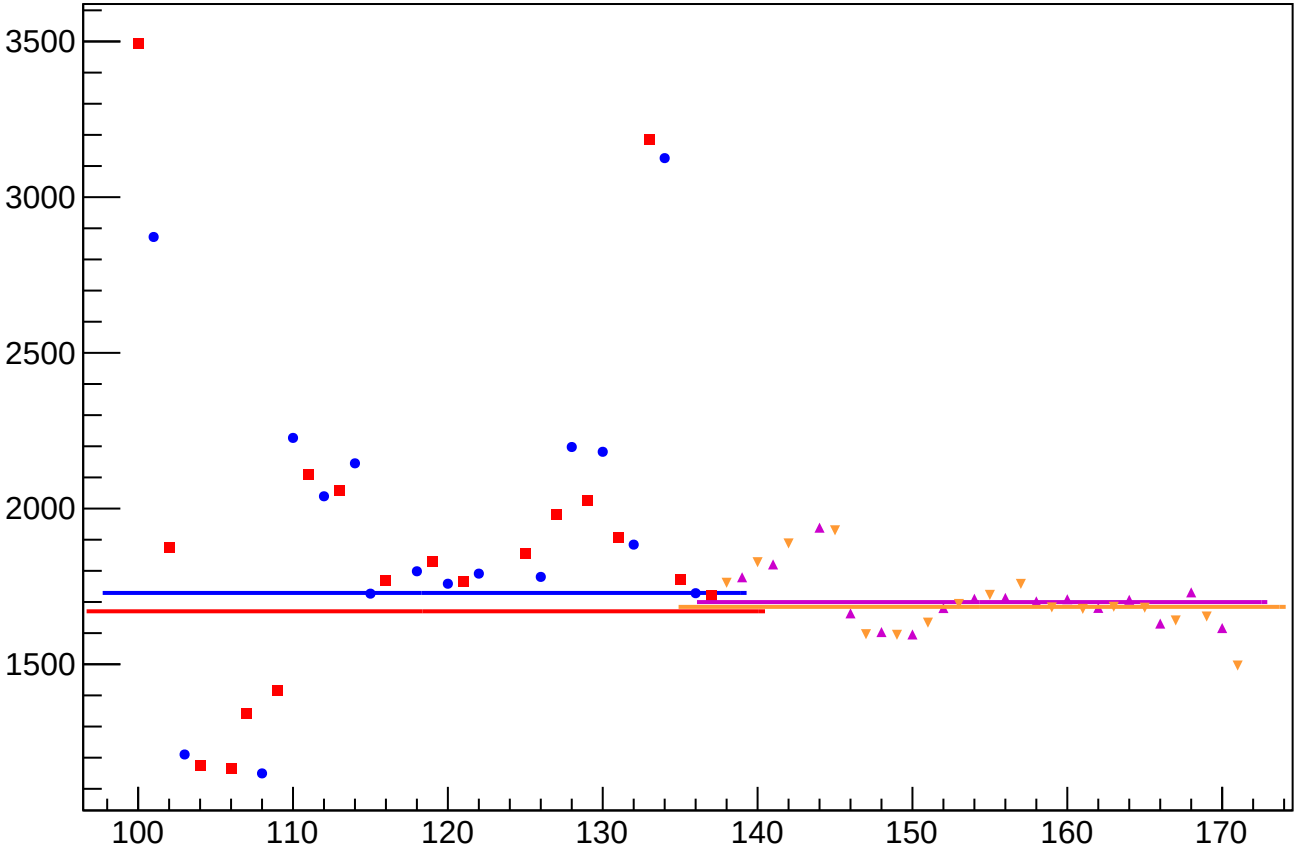
Left In: -80.957+/-468.024 χ^2/NDF:14.6/15

+ sign -101.806+/-378.683 χ^2/NDF: 43.0/32

All: -197.612+/-268.049 χ^2/NDF: 75.3/66

- sign -293.819+/-379.475 χ^2/NDF: 32.3/33

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1684.295+/-0.325 χ^2/NDF:93167.6/16

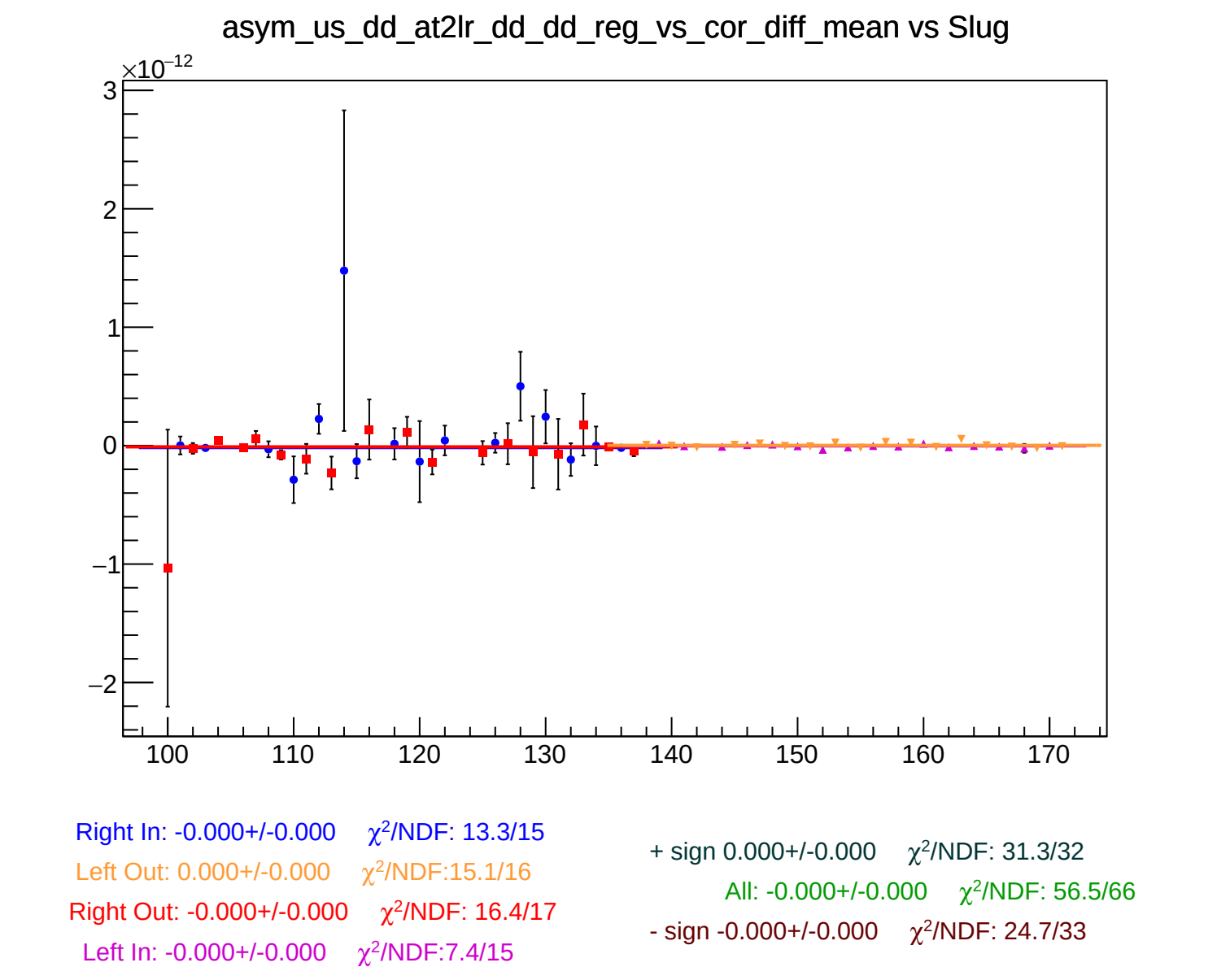
Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

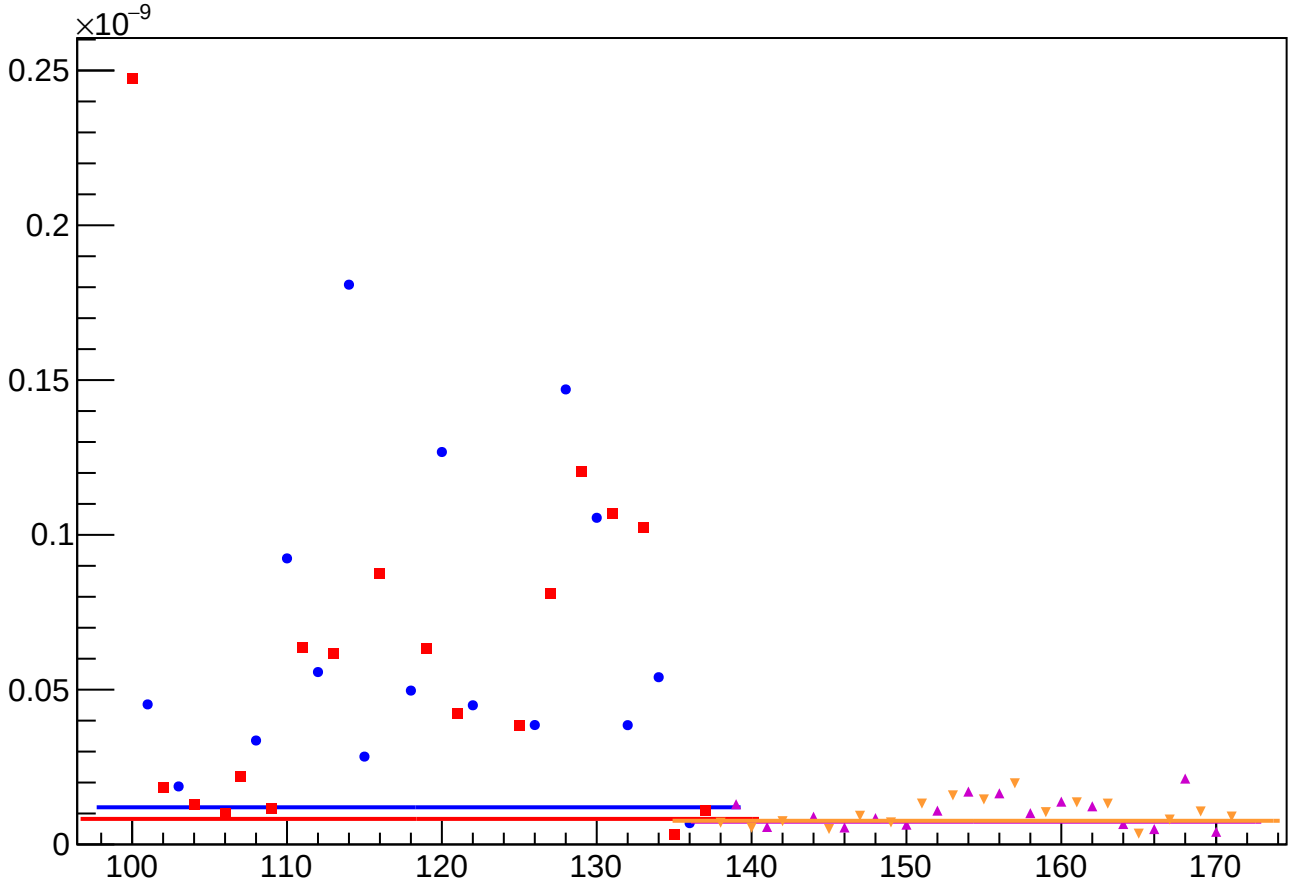
Left In: 1699.683+/-0.331 χ^2/NDF:60701.8/15

+ sign 1698.754+/-0.268 χ^2/NDF: 1041355.9/32

All: 1694.153+/-0.190 χ^2/NDF: 1849847.1/66

- sign 1689.533+/-0.268 χ^2/NDF: 807899.4/33


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:15.1/16
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/17
Left In: -0.000+/-0.000 χ²/NDF:7.4/15
+ sign 0.000+/-0.000 χ²/NDF: 31.3/32
All: -0.000+/-0.000 χ²/NDF: 56.5/66
- sign -0.000+/-0.000 χ²/NDF: 24.7/33



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1802988.4/16

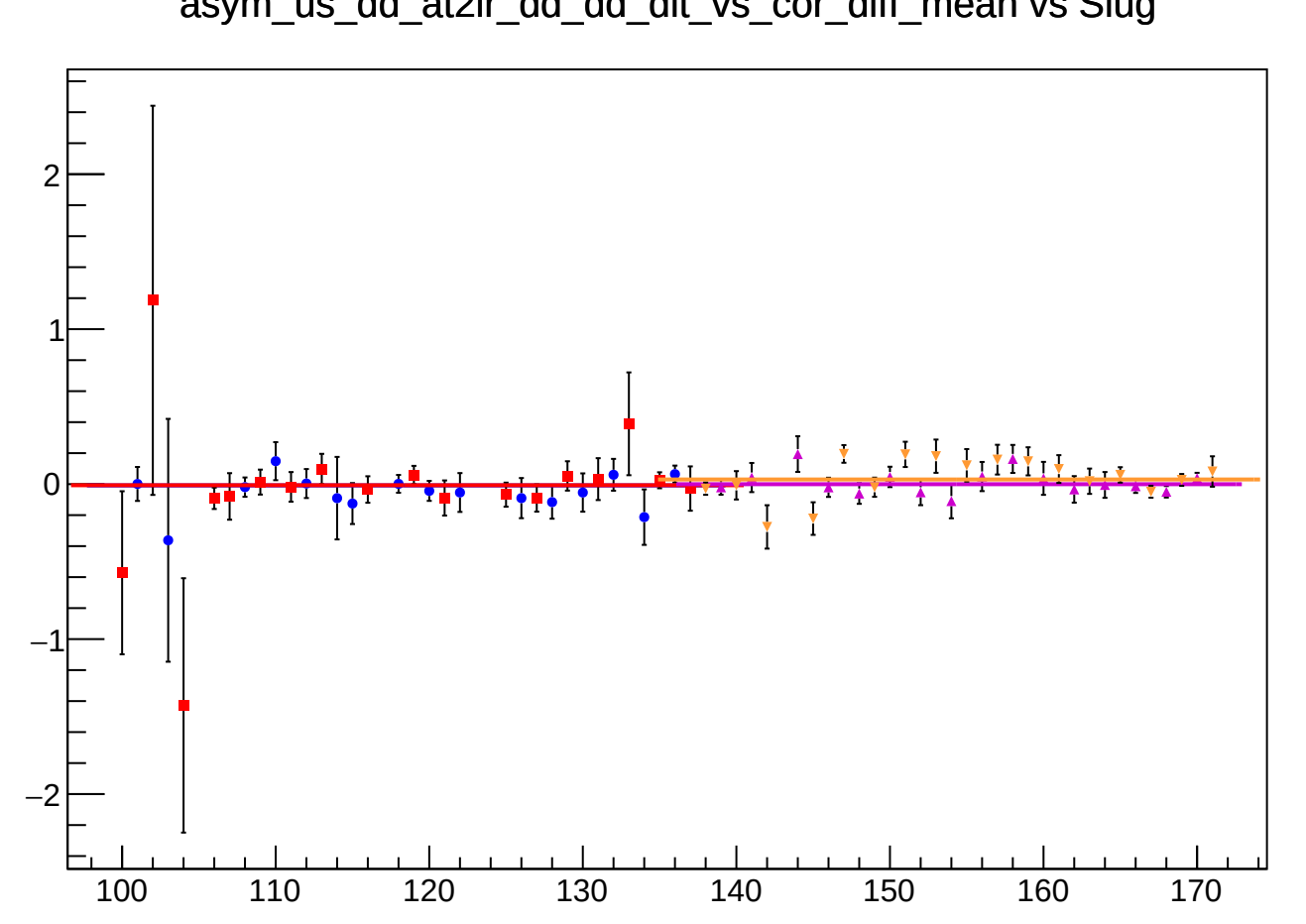
Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1884952.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 5550345.2/32

All: 0.000+/-0.000 χ^2/NDF: 11002822.0/66

- sign 0.000+/-0.000 χ^2/NDF: 5413998.3/33



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.4/16

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

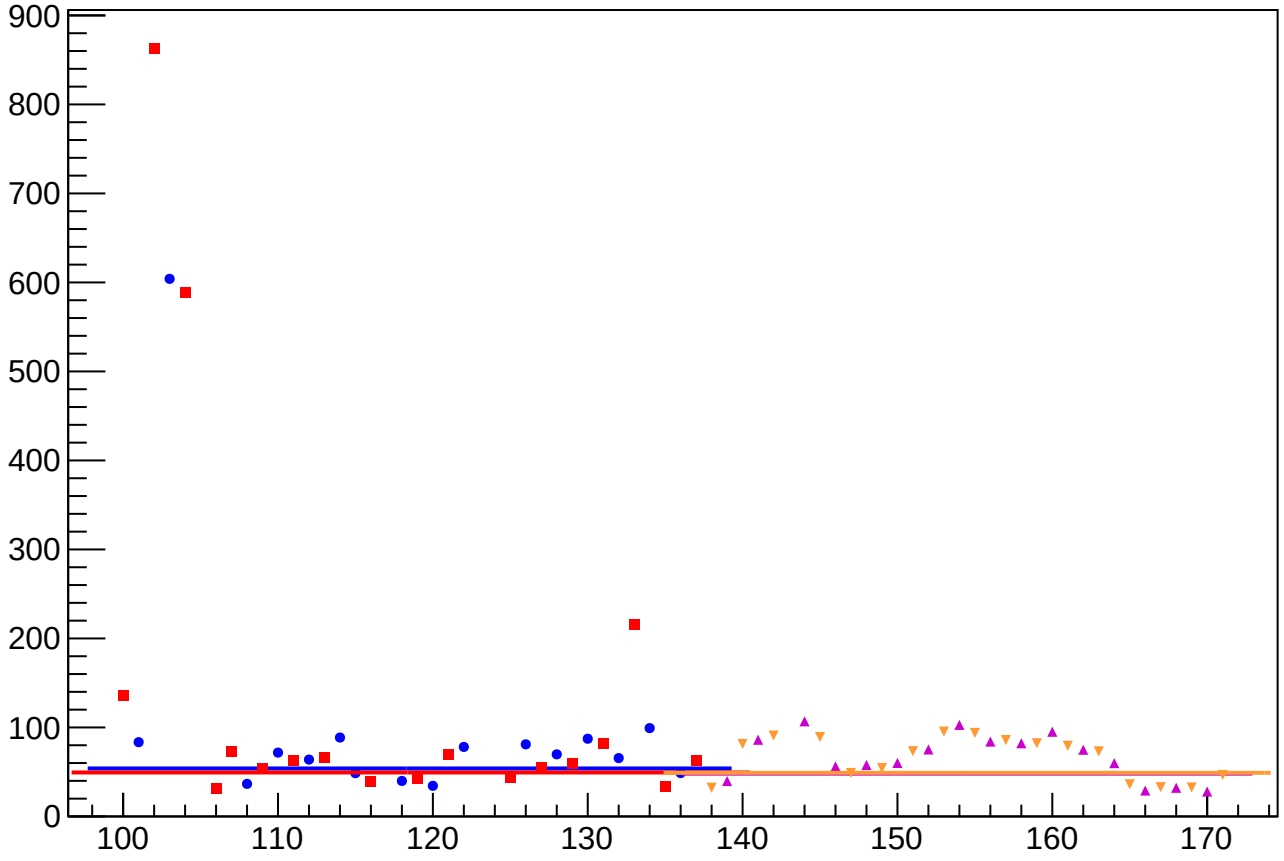
Left In: -0.000+/-0.015 χ^2/NDF:13.0/15

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/32

All: 0.008+/-0.009 χ^2/NDF: 75.7/66

- sign -0.003+/-0.013 χ^2/NDF: 26.7/33

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.046+/-0.011 χ^2/NDF:3828902.4/16

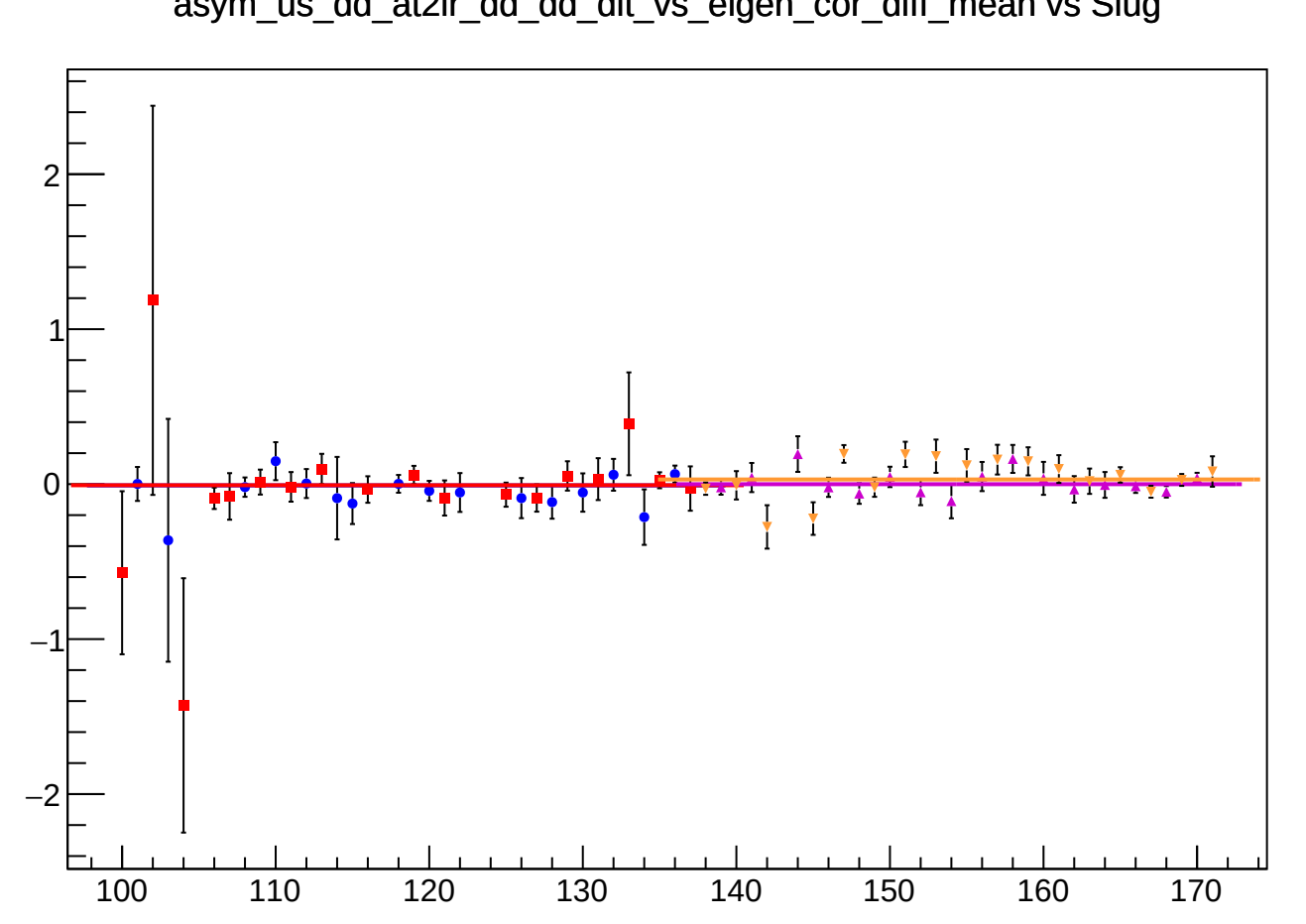
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.104+/-0.011 χ^2/NDF:4386677.3/15

+ sign 50.562+/-0.009 χ^2/NDF: 6104740.5/32

All: 49.522+/-0.006 χ^2/NDF: 13539402.1/66

- sign 48.527+/-0.009 χ^2/NDF: 7409154.7/33



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.4/16

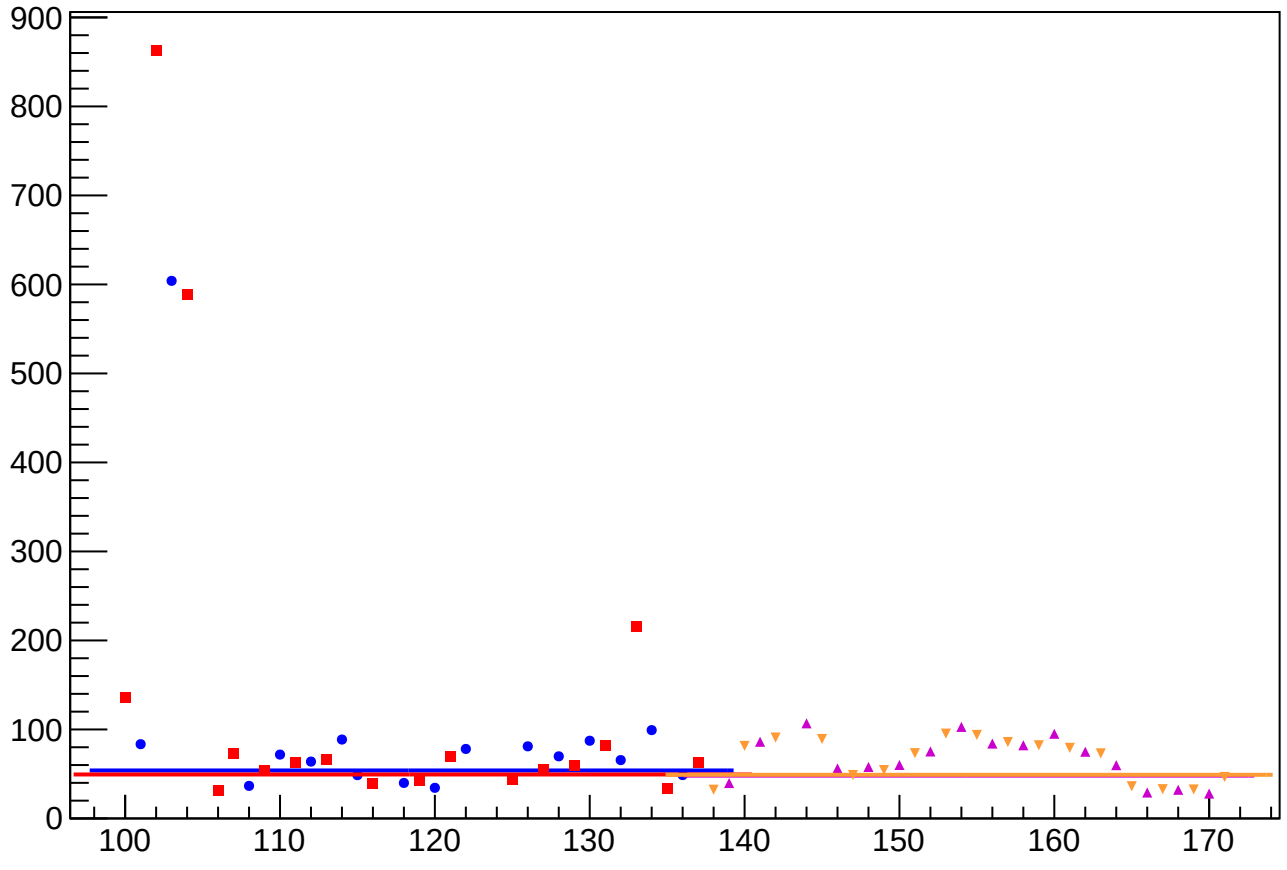
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.0/15

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/32

All: 0.008+/-0.009 χ^2/NDF: 75.7/66

- sign -0.003+/-0.013 χ^2/NDF: 26.7/33



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.046+/-0.011 χ^2/NDF:3828902.4/16

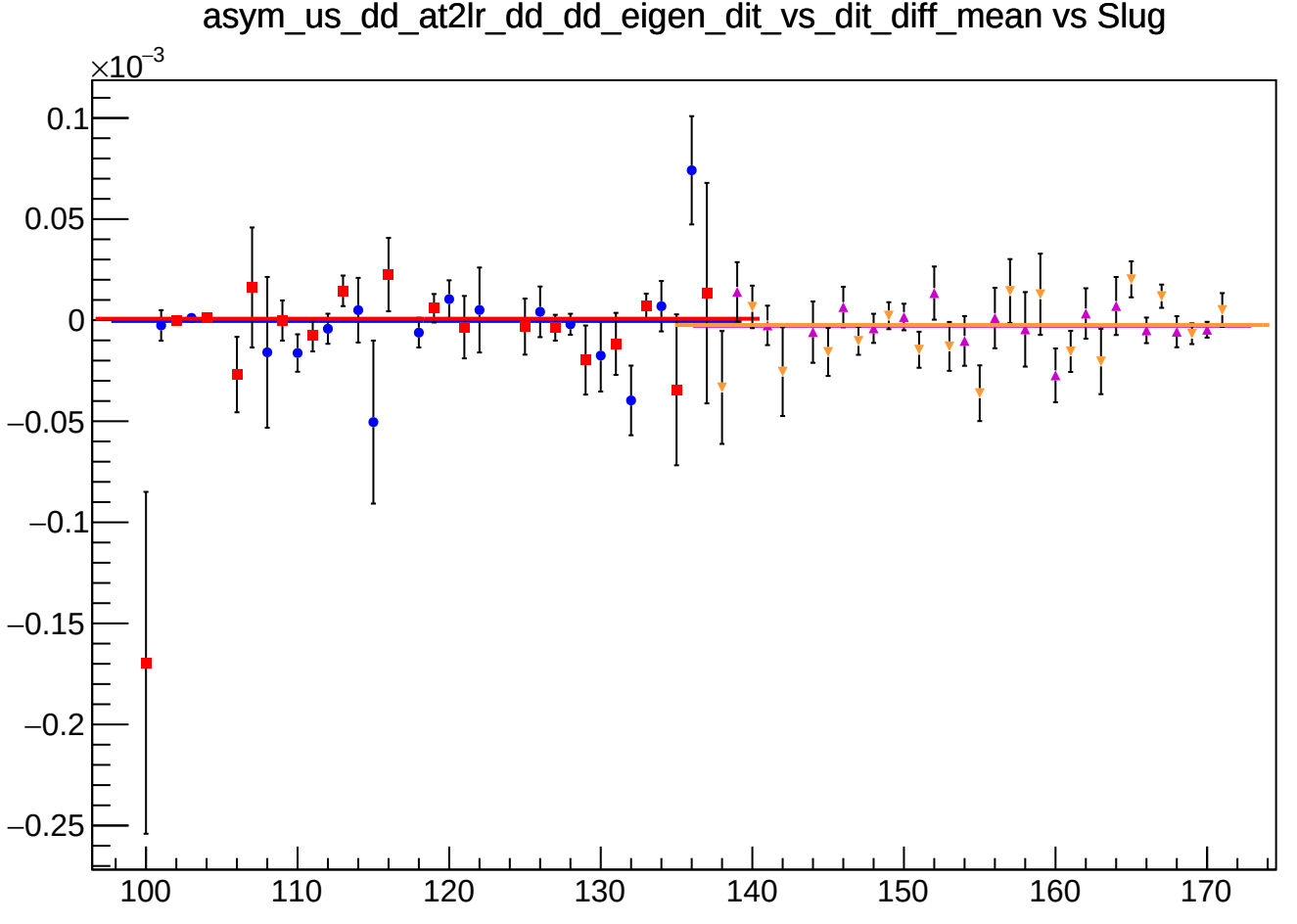
Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.104+/-0.011 χ^2/NDF:4386677.3/15

+ sign 50.562+/-0.009 χ^2/NDF: 6104740.5/32

All: 49.522+/-0.006 χ^2/NDF: 13539402.1/66

- sign 48.527+/-0.009 χ^2/NDF: 7409154.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/16

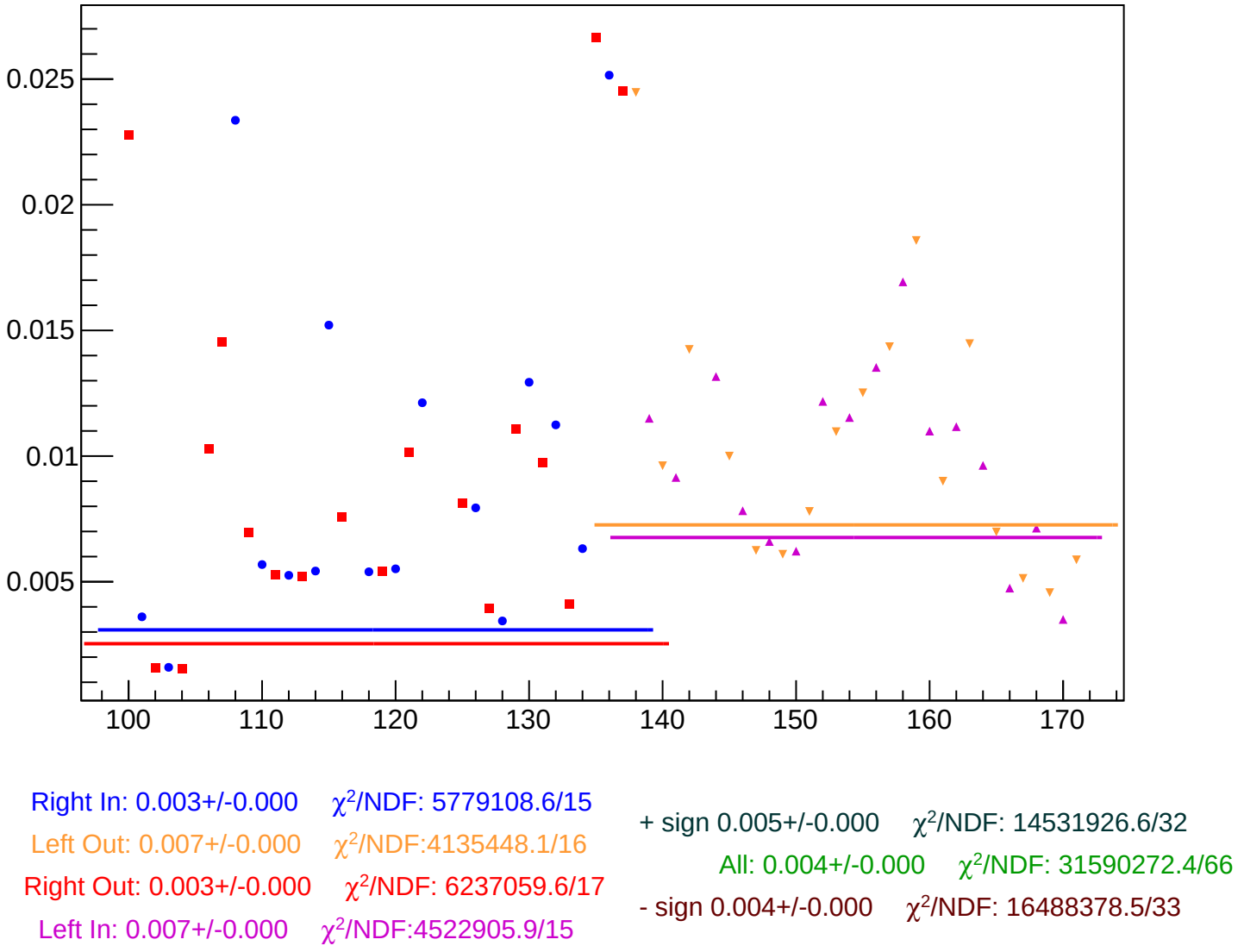
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/17

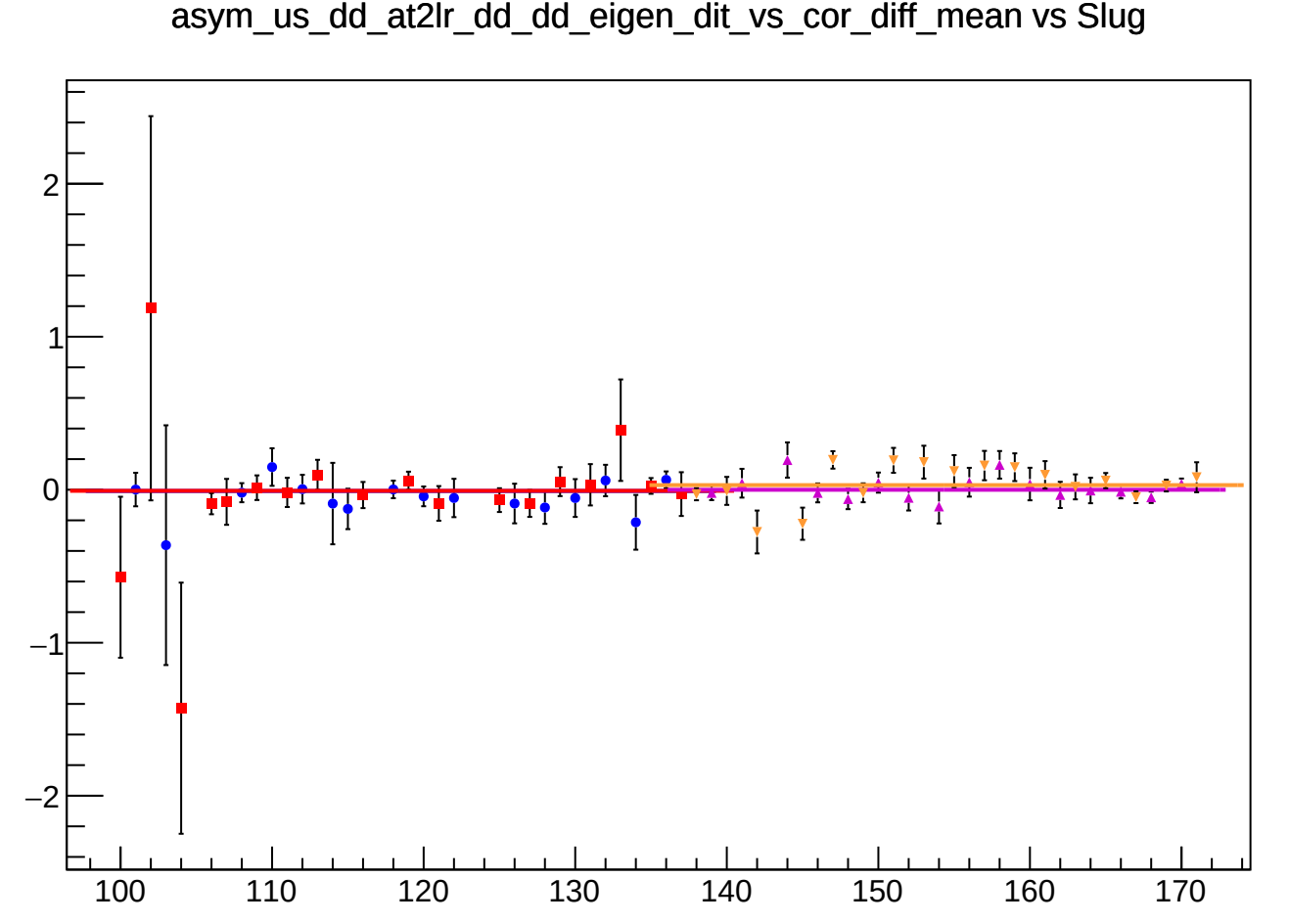
Left In: -0.000+/-0.000 χ^2/NDF:9.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 56.1/32

All: -0.000+/-0.000 χ^2/NDF: 85.4/66

- sign -0.000+/-0.000 χ^2/NDF: 29.0/33


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.007+/-0.000 χ²/NDF:4135448.1/16
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.007+/-0.000 χ²/NDF:4522905.9/15
+ sign 0.005+/-0.000 χ²/NDF: 14531926.6/32
All: 0.004+/-0.000 χ²/NDF: 31590272.4/66
- sign 0.004+/-0.000 χ²/NDF: 16488378.5/33



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.4/16

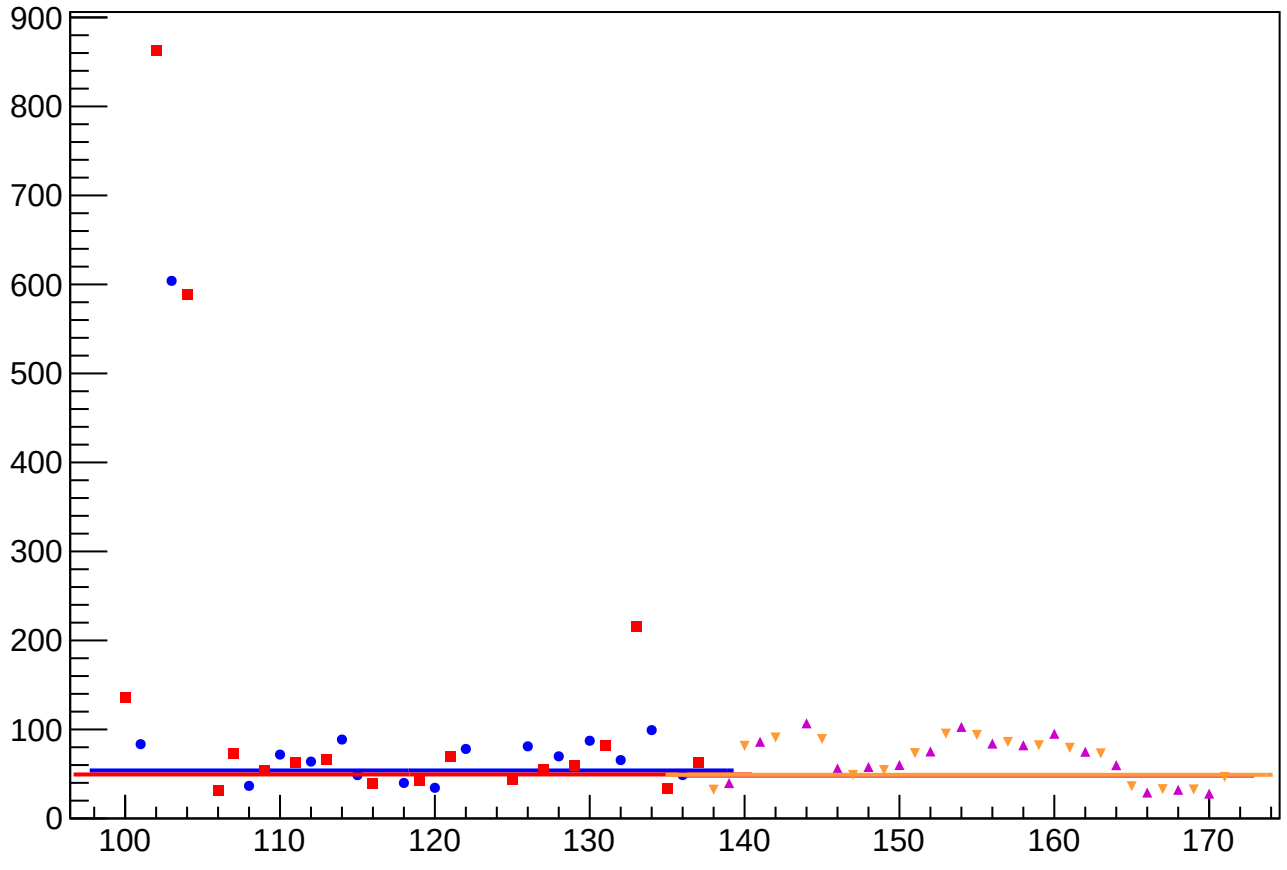
Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.0/15

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/32

All: 0.008+/-0.009 χ^2/NDF: 75.7/66

- sign -0.003+/-0.013 χ^2/NDF: 26.7/33



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.048+/-0.011 χ^2/NDF:3828169.9/16

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

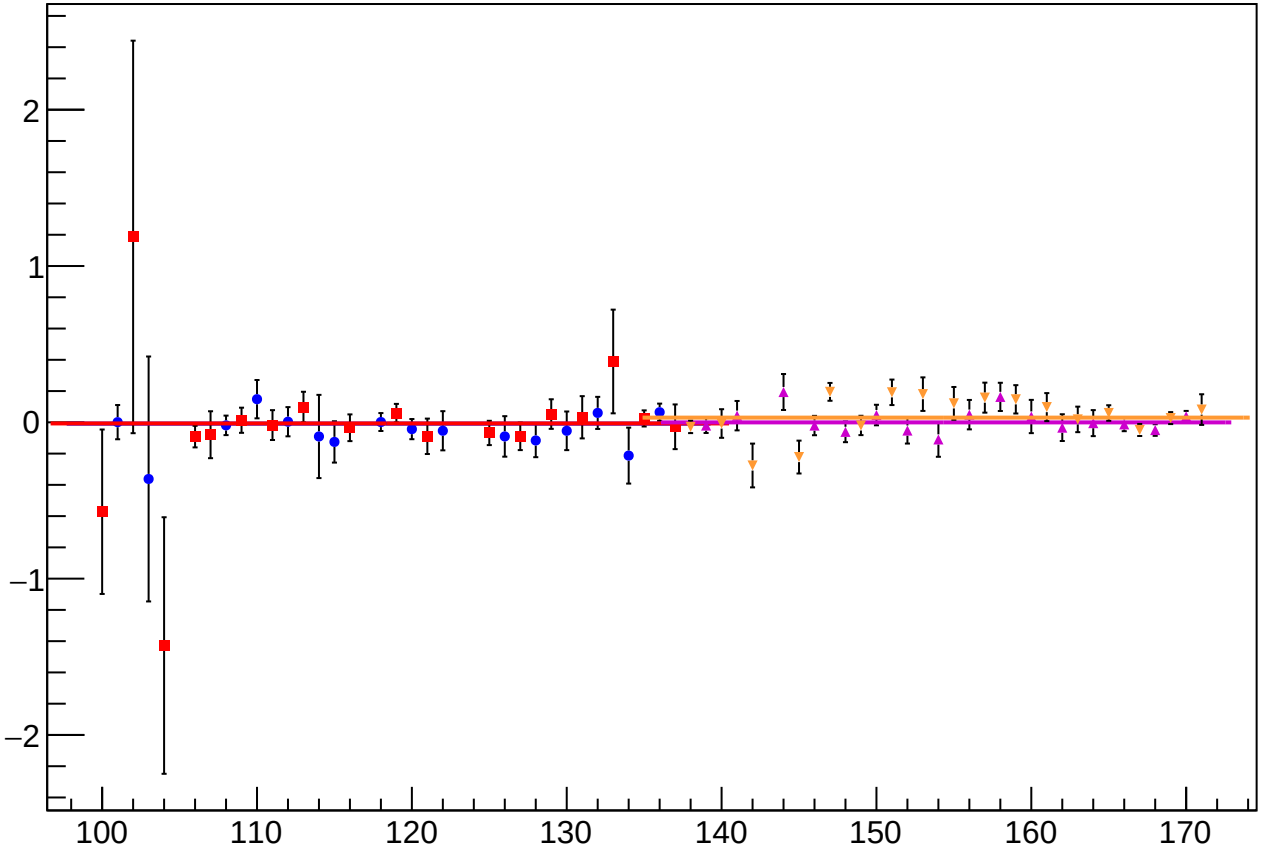
Left In: 48.104+/-0.011 χ^2/NDF:4386630.8/15

+ sign 50.565+/-0.009 χ^2/NDF: 6103630.6/32

All: 49.524+/-0.006 χ^2/NDF: 13538028.4/66

- sign 48.528+/-0.009 χ^2/NDF: 7408843.7/33

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: 0.030+/-0.016 χ^2/NDF:37.4/16

Right Out: -0.007+/-0.022 χ^2/NDF: 13.7/17

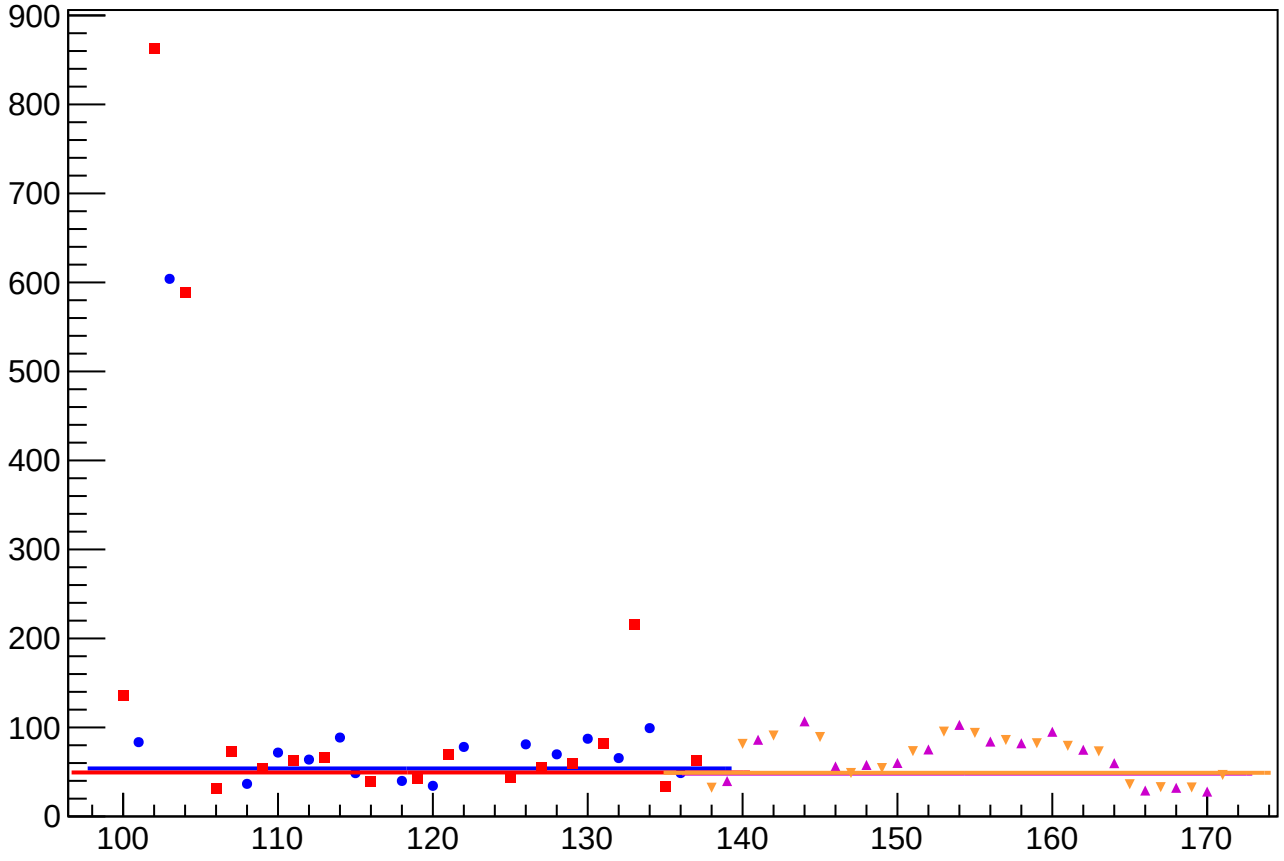
Left In: -0.000+/-0.015 χ^2/NDF:13.0/15

+ sign 0.018+/-0.013 χ^2/NDF: 47.7/32

All: 0.008+/-0.009 χ^2/NDF: 75.7/66

- sign -0.003+/-0.013 χ^2/NDF: 26.7/33

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.048+/-0.011 χ^2/NDF:3828169.9/16

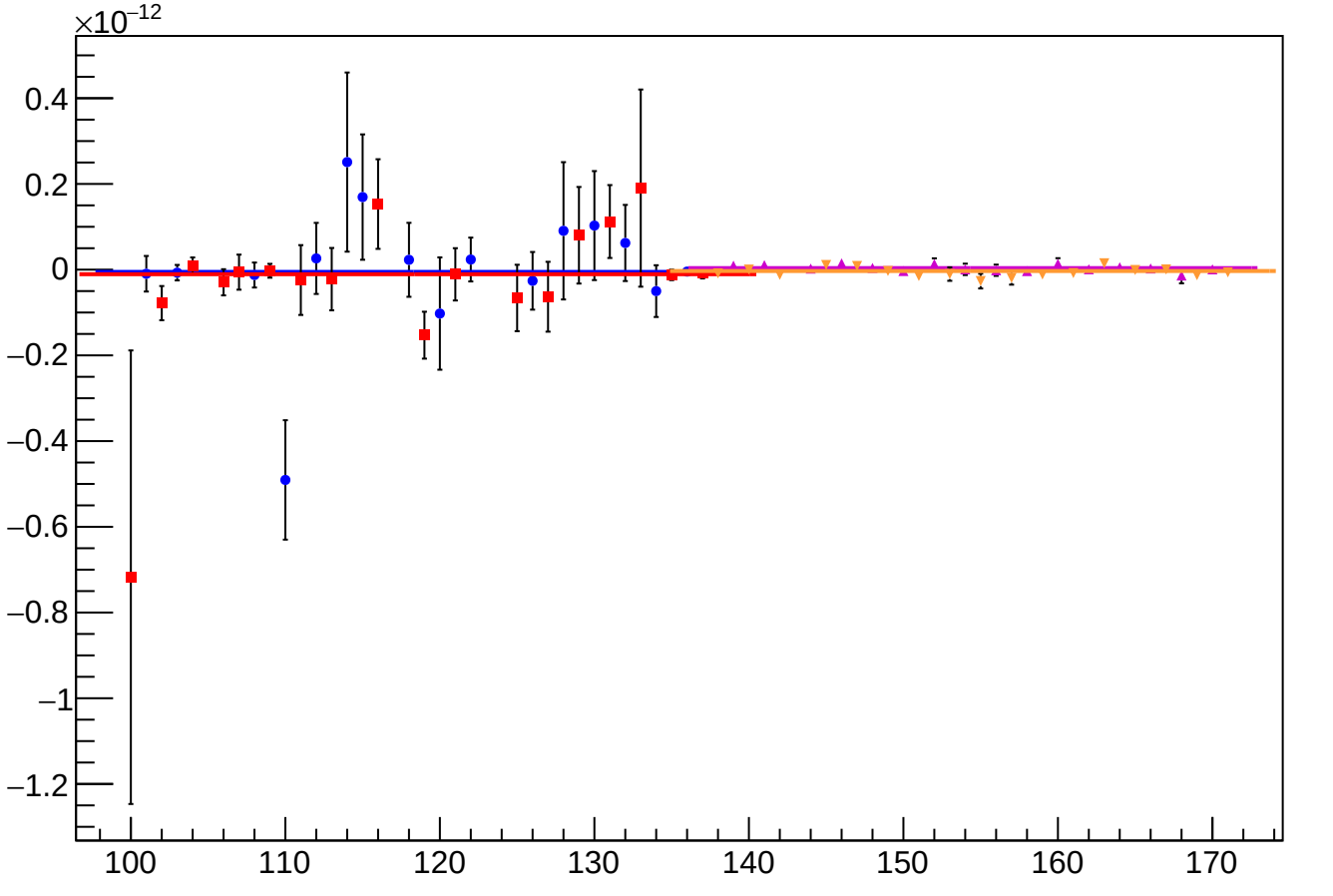
Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 48.104+/-0.011 χ^2/NDF:4386630.8/15

+ sign 50.565+/-0.009 χ^2/NDF: 6103630.6/32

All: 49.524+/-0.006 χ^2/NDF: 13538028.4/66

- sign 48.528+/-0.009 χ^2/NDF: 7408843.7/33



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/16

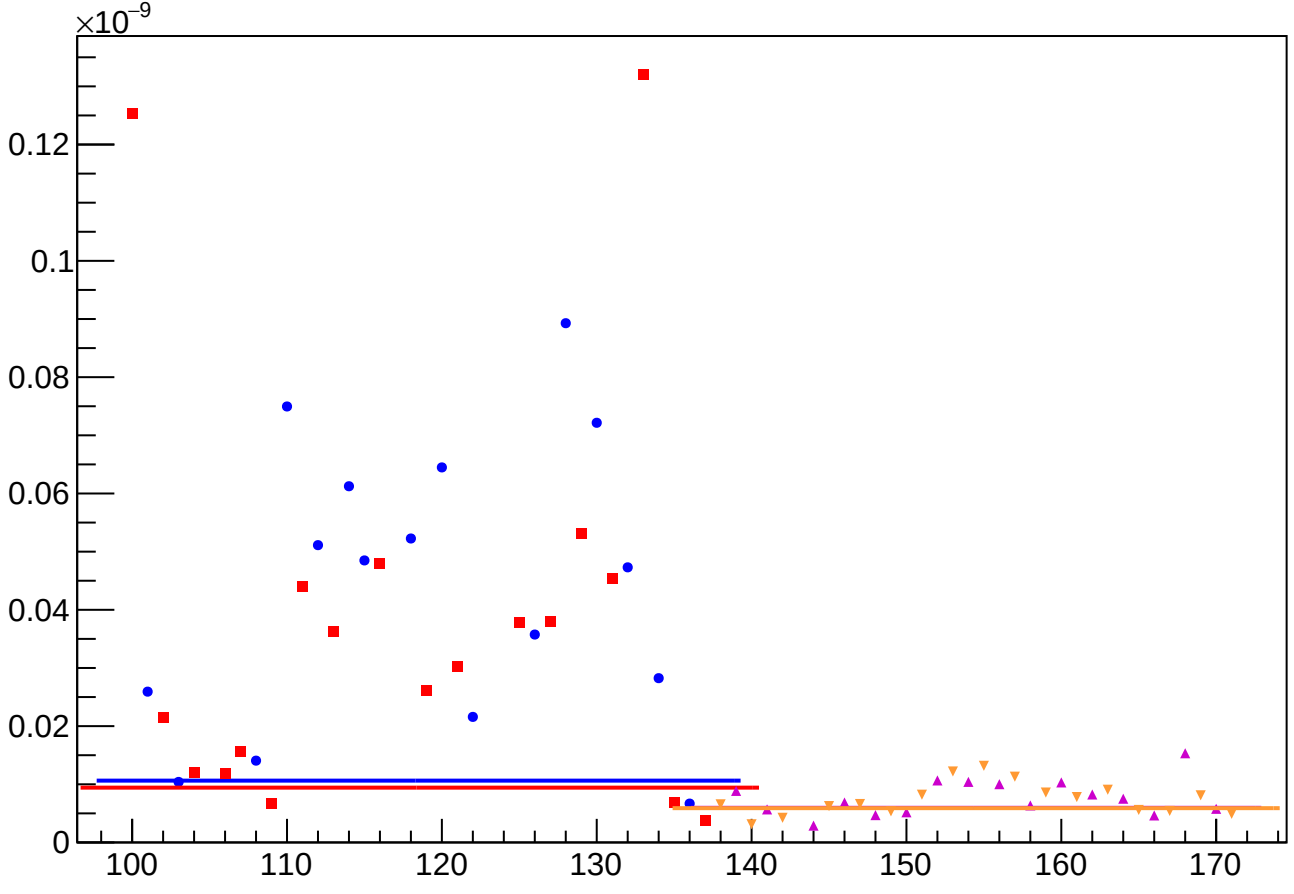
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/32

All: -0.000+/-0.000 χ^2/NDF: 69.5/66

- sign 0.000+/-0.000 χ^2/NDF: 31.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2339091.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

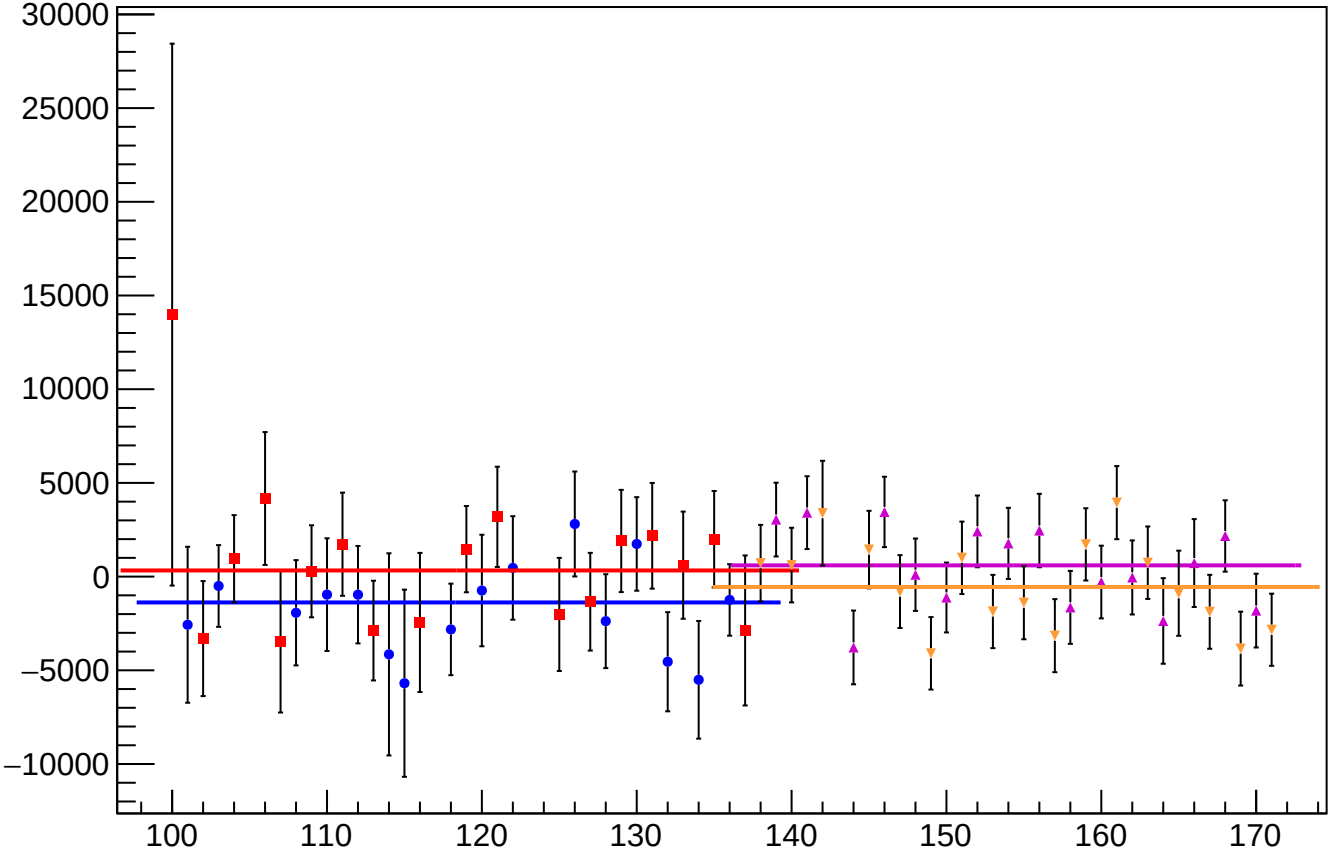
Left In: 0.000+/-0.000 χ^2/NDF:2647178.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 7772557.4/32

All: 0.000+/-0.000 χ^2/NDF: 14968370.9/66

- sign 0.000+/-0.000 χ^2/NDF: 7195812.7/33

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -552.999+/-486.968 χ^2/NDF:21.9/16

Right Out: 328.770+/-683.888 χ^2/NDF: 11.0/17

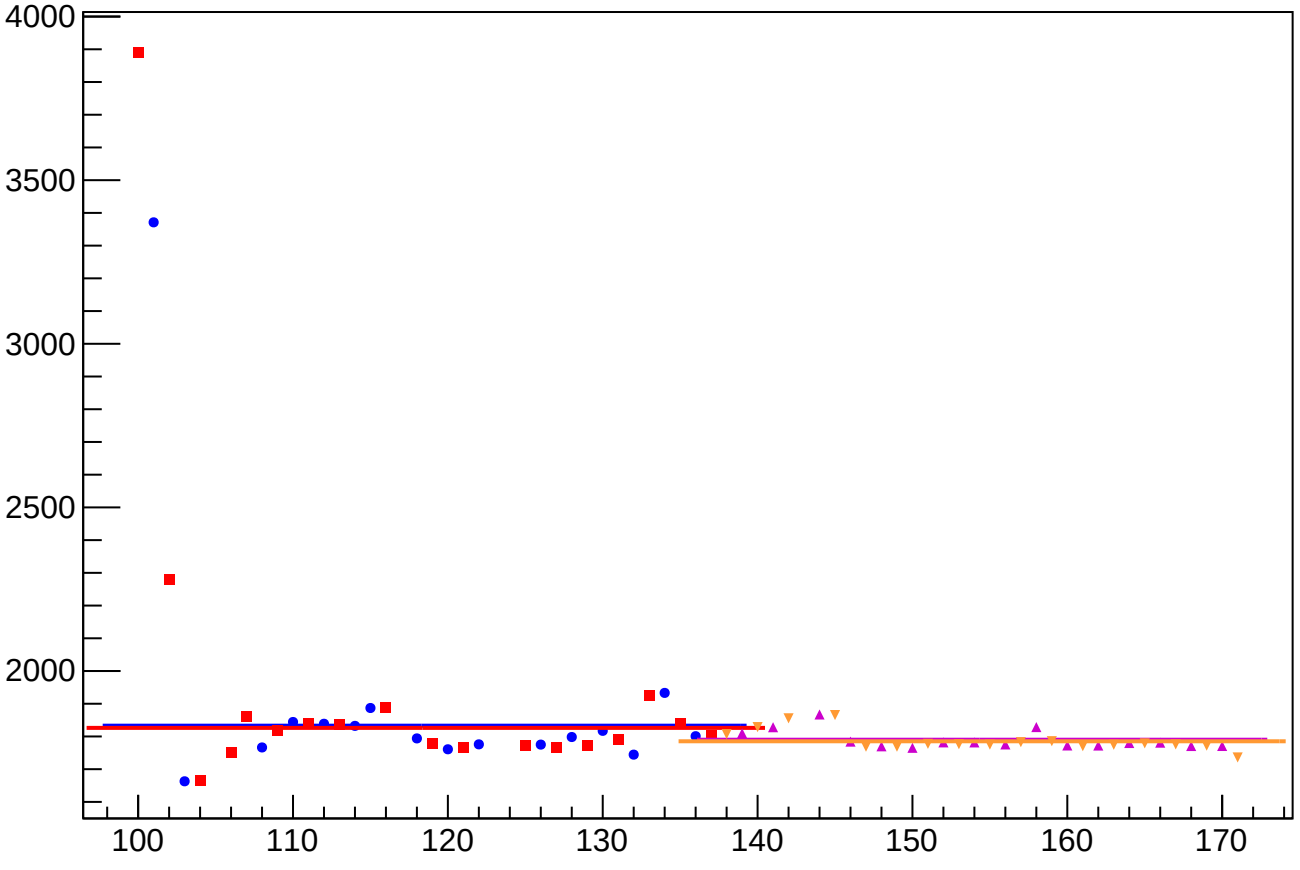
Left In: 600.119+/-492.348 χ^2/NDF:19.5/15

+ sign -828.064+/-397.676 χ^2/NDF: 32.1/32

All: -163.463+/-281.867 χ^2/NDF: 68.4/66

- sign 507.490+/-399.572 χ^2/NDF: 30.7/33

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1785.270+/-0.344 χ^2/NDF:7512.0/16

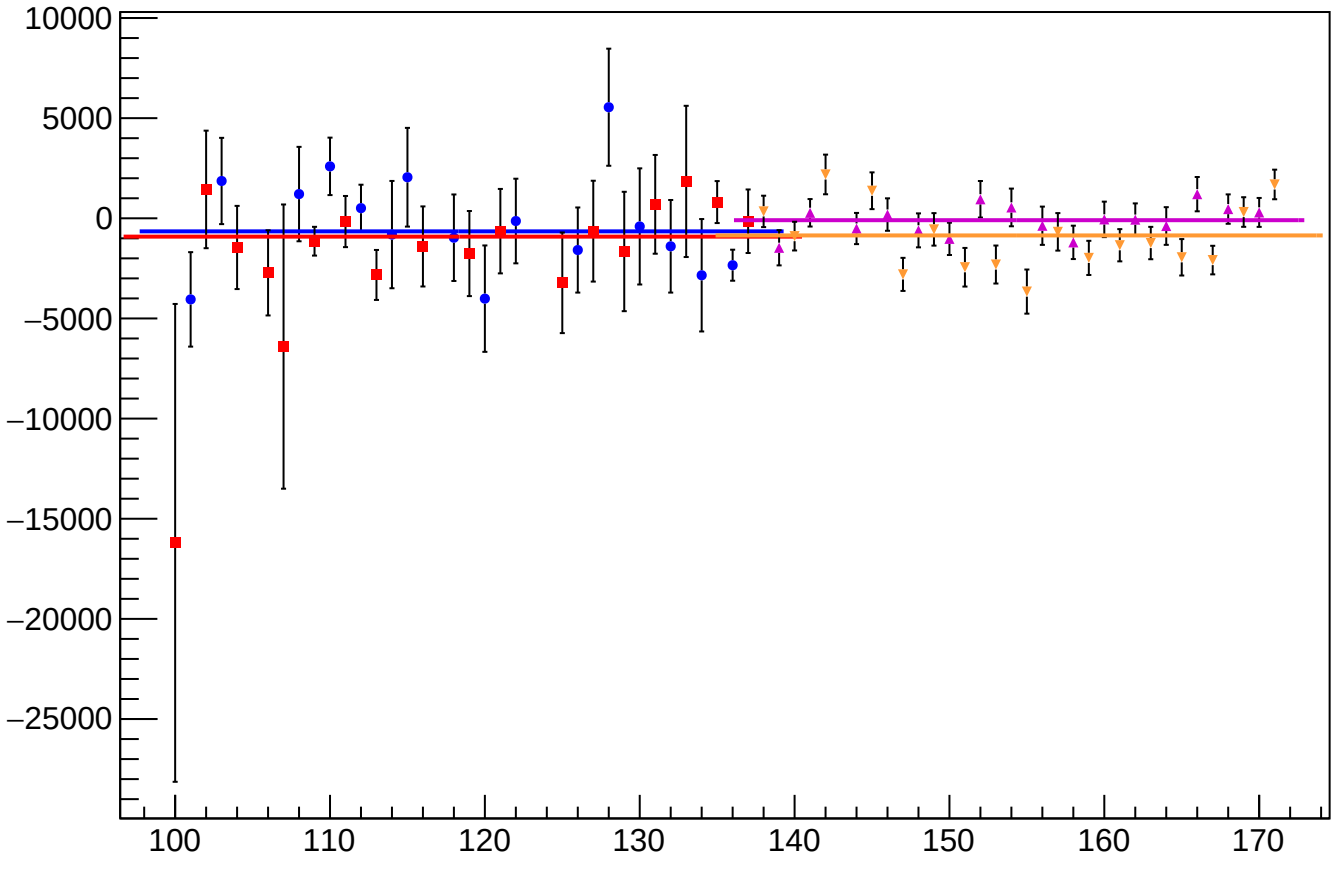
Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

+ sign 1801.151+/-0.281 χ^2/NDF: 309337.4/32

All: 1801.775+/-0.199 χ^2/NDF: 422422.3/66

- sign 1802.404+/-0.283 χ^2/NDF: 113075.0/33



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -855.099+/-203.228 χ^2/NDF:56.1/16

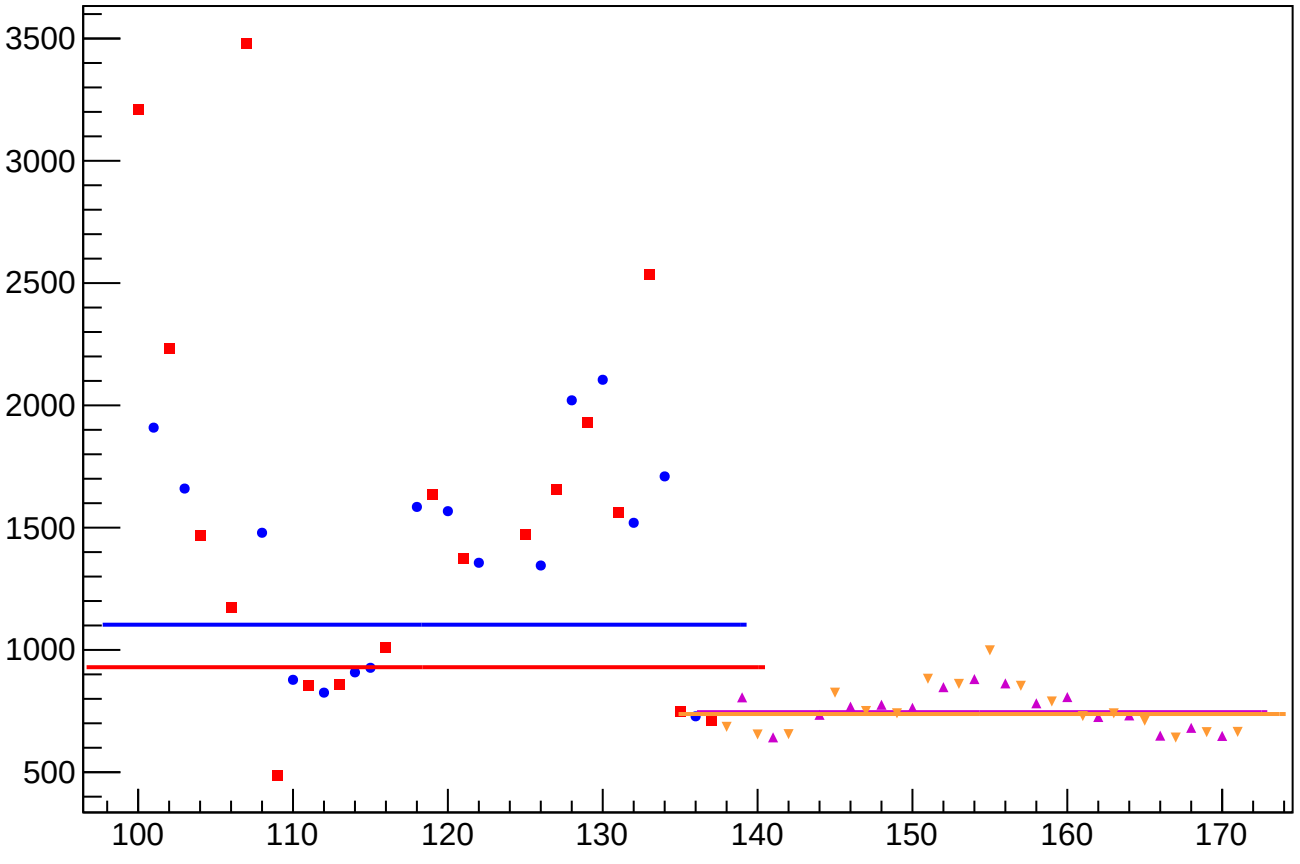
Right Out: -914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: -94.197+/-206.506 χ^2/NDF:11.7/15

+ sign -819.663+/-184.655 χ^2/NDF: 79.5/32

All: -542.852+/-129.927 χ^2/NDF: 110.6/66

- sign -271.433+/-182.848 χ^2/NDF: 26.7/33



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 737.939+/-0.144 χ^2/NDF:374540.2/16

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

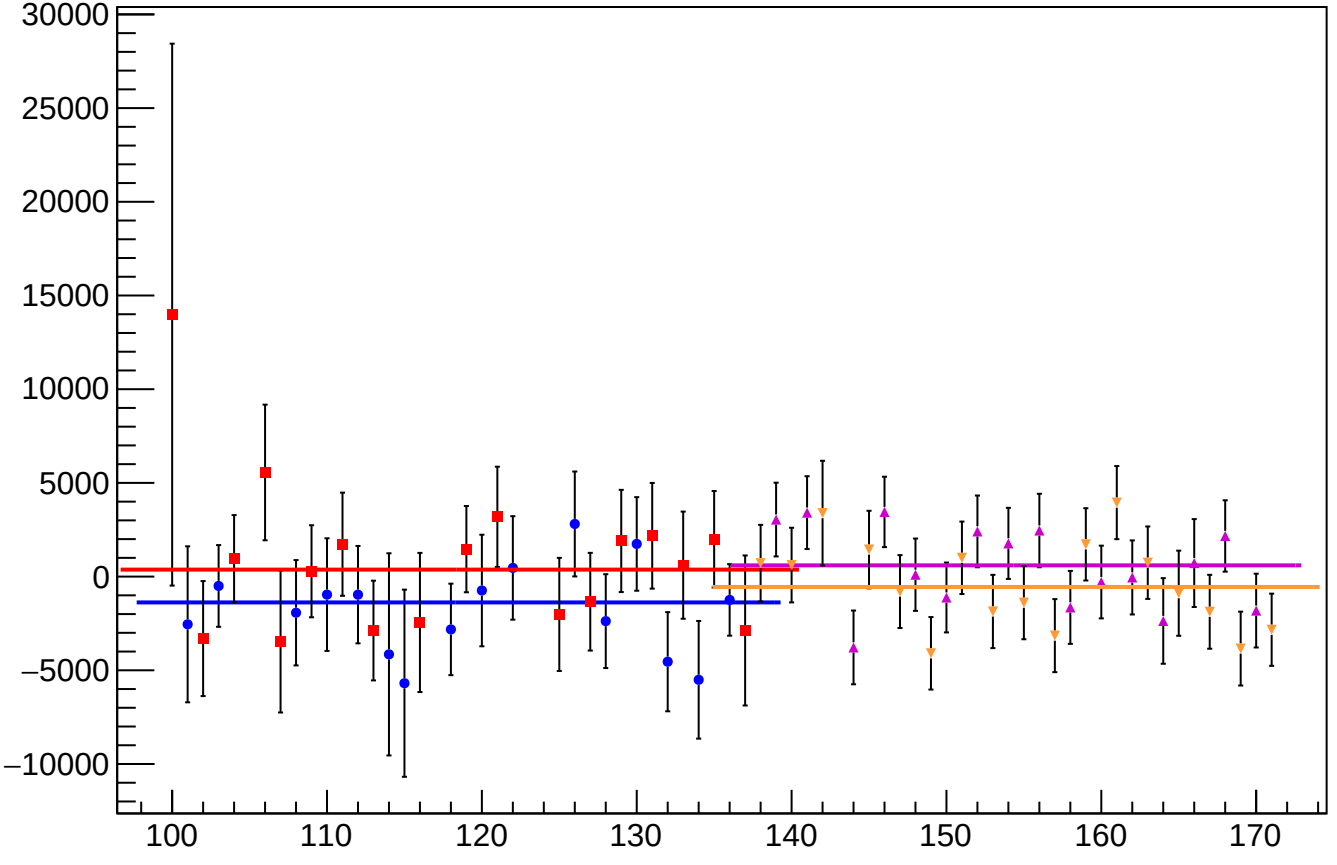
Left In: 745.610+/-0.146 χ^2/NDF:248600.5/15

+ sign 801.648+/-0.131 χ^2/NDF: 3379505.0/32

All: 793.394+/-0.092 χ^2/NDF: 7032143.8/66

- sign 785.300+/-0.129 χ^2/NDF: 3644724.1/33

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -552.888+/-486.968 χ^2/NDF:21.9/16

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

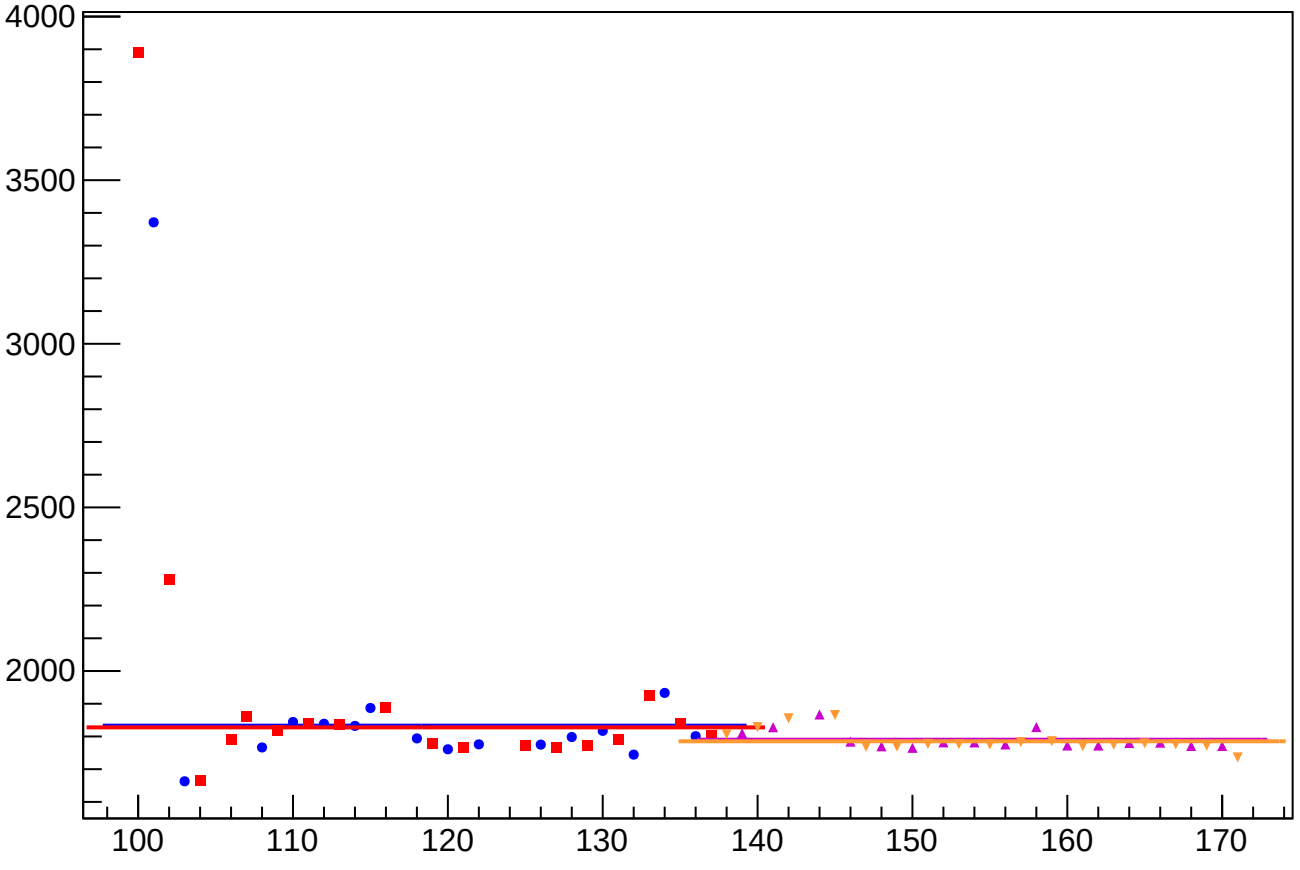
Left In: 600.006+/-492.348 χ^2/NDF:19.5/15

+ sign -827.782+/-397.676 χ^2/NDF: 32.1/32

All: -156.061+/-281.904 χ^2/NDF: 69.4/66

- sign 522.433+/-399.676 χ^2/NDF: 31.5/33

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1785.270+/-0.344 χ^2/NDF:7512.0/16

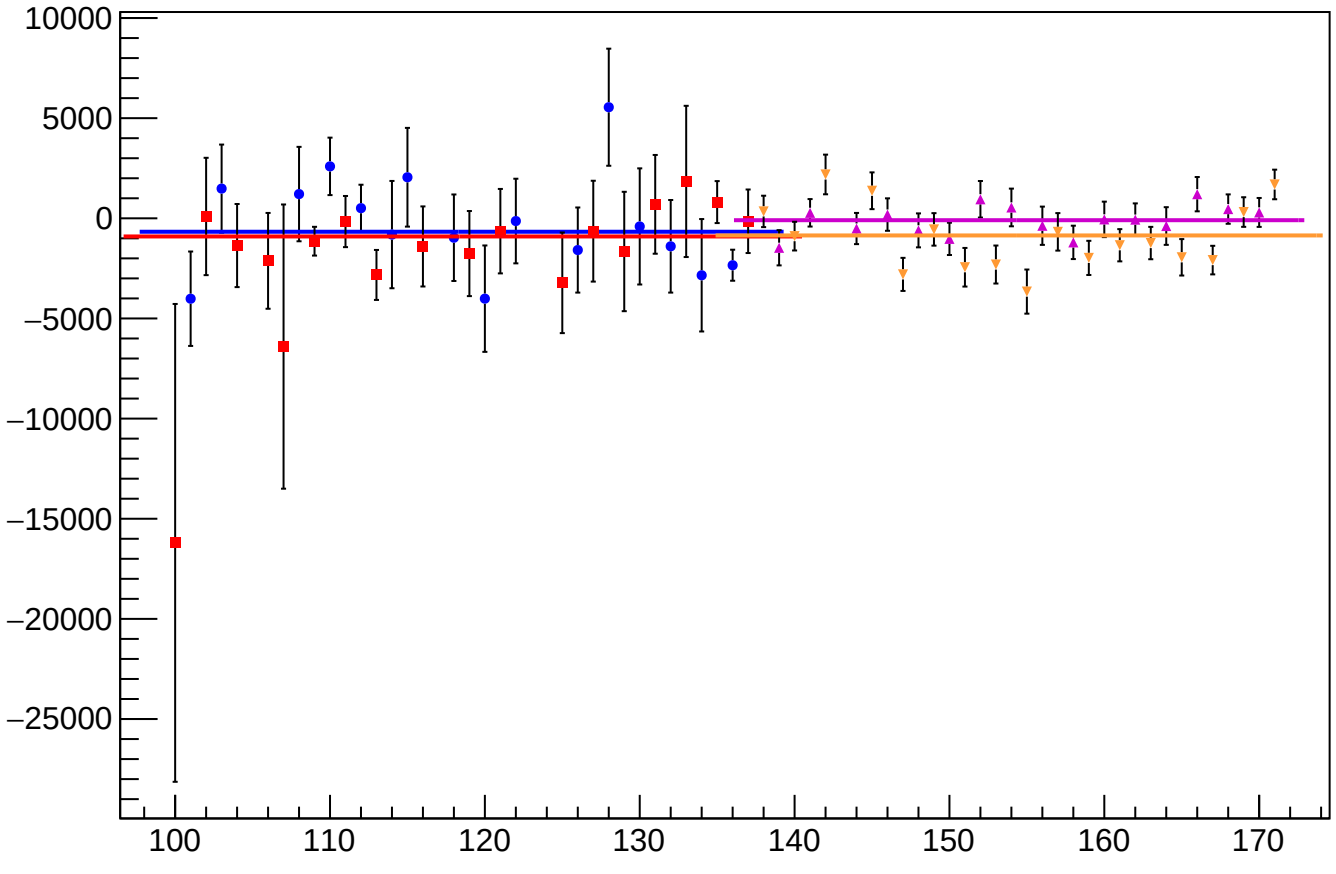
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

+ sign 1801.151+/-0.281 χ^2/NDF: 309339.2/32

All: 1802.036+/-0.199 χ^2/NDF: 422021.9/66

- sign 1802.930+/-0.283 χ^2/NDF: 112662.7/33



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

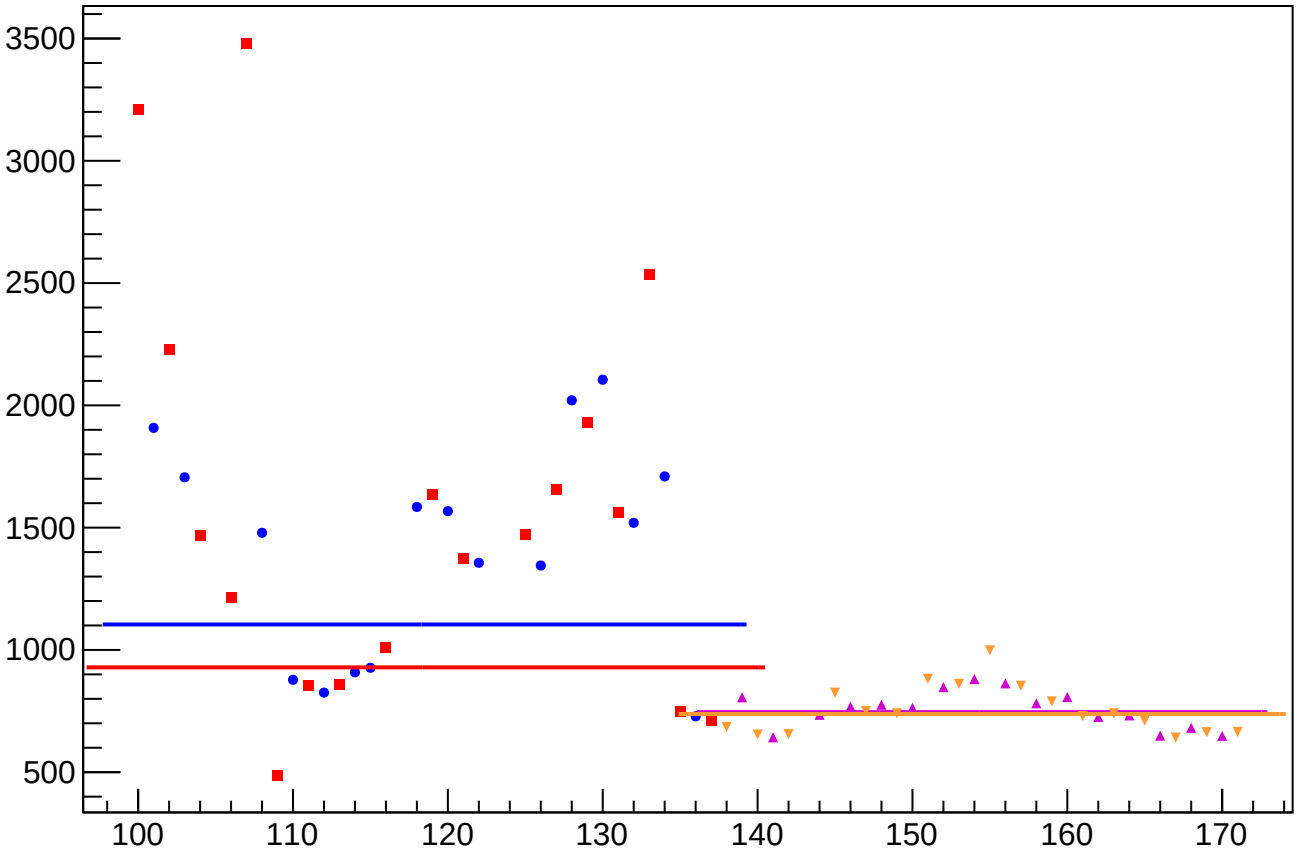
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -94.128+/-206.506 χ^2/NDF:11.7/15

+ sign -822.971+/-184.683 χ^2/NDF: 79.0/32

All: -543.177+/-129.987 χ^2/NDF: 109.1/66

- sign -268.500+/-182.987 χ^2/NDF: 25.6/33



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 737.945+/-0.144 χ^2/NDF:374505.1/16

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

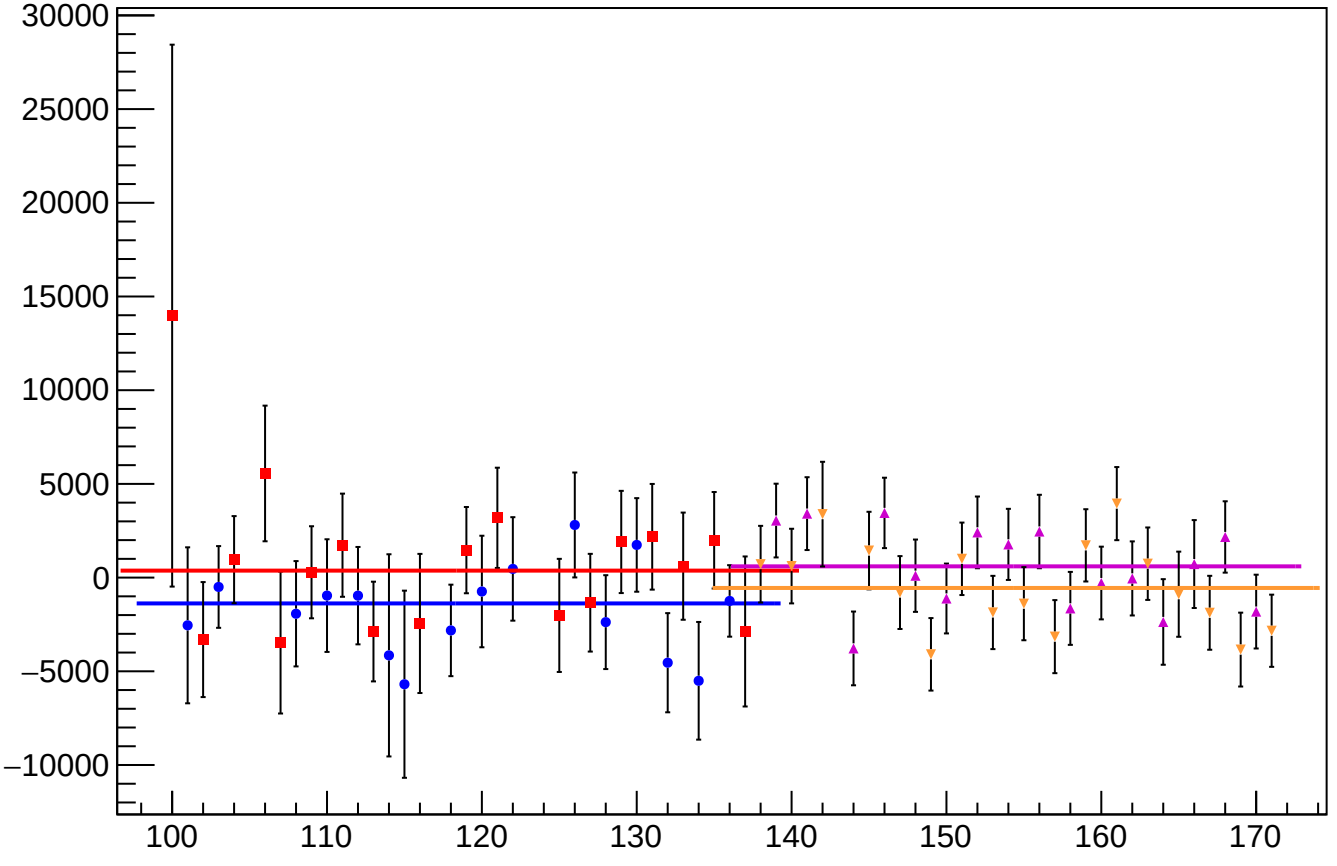
Left In: 745.609+/-0.146 χ^2/NDF:248682.7/15

+ sign 801.725+/-0.131 χ^2/NDF: 3399850.5/32

All: 793.247+/-0.092 χ^2/NDF: 7048720.4/66

- sign 784.924+/-0.129 χ^2/NDF: 3640517.1/33

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: -552.888+/-486.968 χ^2/NDF:21.9/16

Right Out: 372.534+/-684.408 χ^2/NDF: 12.0/17

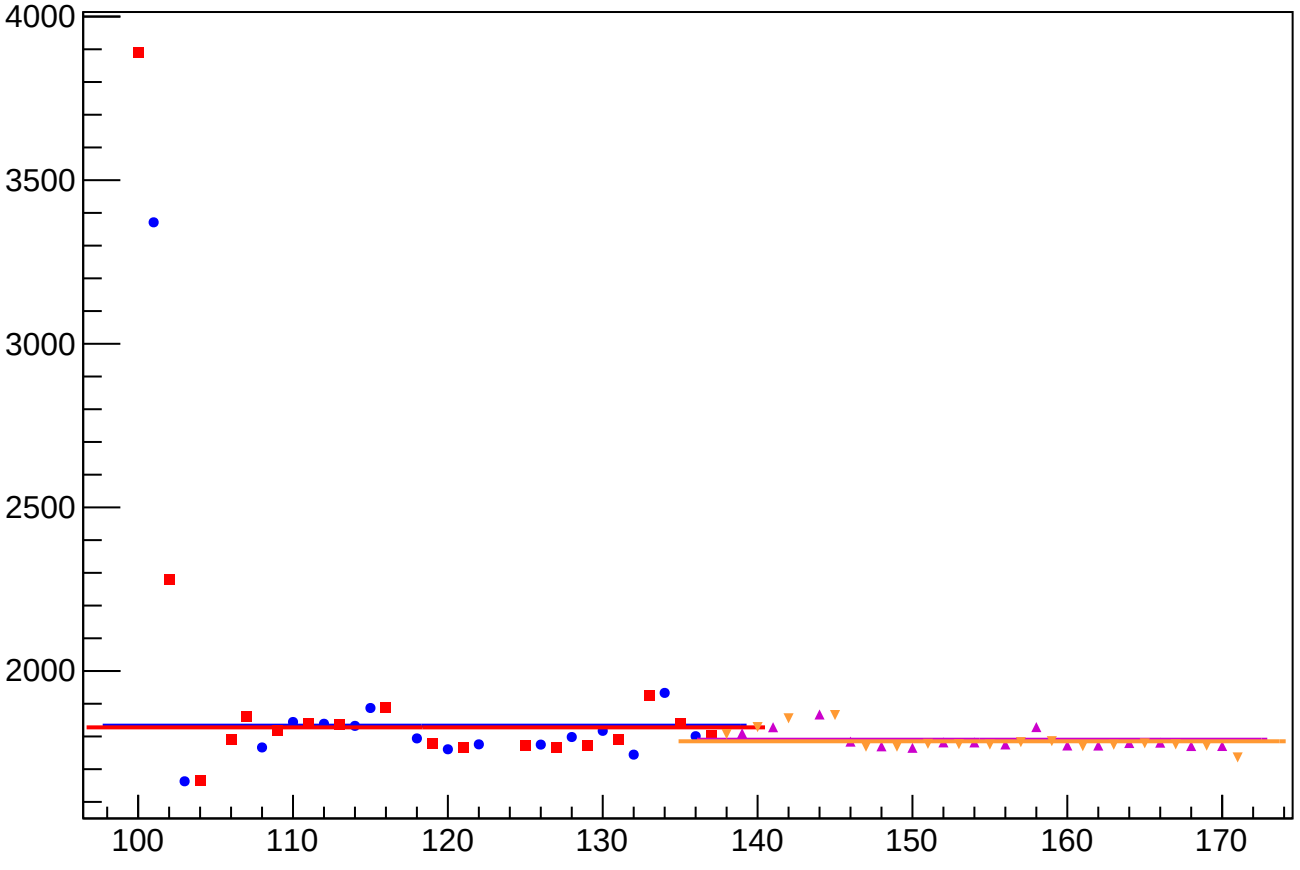
Left In: 600.006+/-492.348 χ^2/NDF:19.5/15

+ sign -827.782+/-397.676 χ^2/NDF: 32.1/32

All: -156.061+/-281.904 χ^2/NDF: 69.4/66

- sign 522.433+/-399.676 χ^2/NDF: 31.5/33

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: 1785.270+/-0.344 χ^2/NDF:7512.0/16

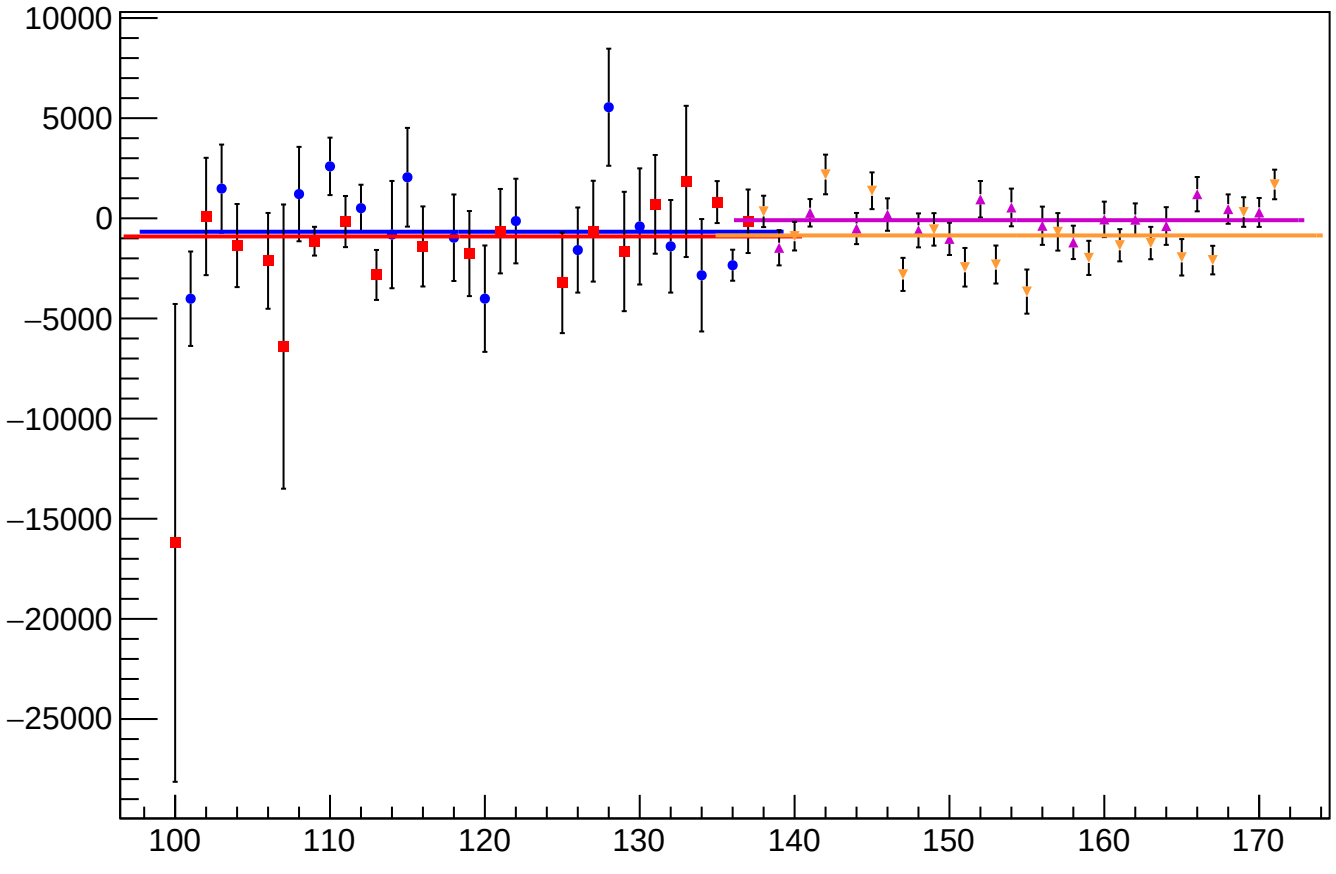
Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1790.067+/-0.348 χ^2/NDF:6389.6/15

+ sign 1801.151+/-0.281 χ^2/NDF: 309339.2/32

All: 1802.036+/-0.199 χ^2/NDF: 422021.9/66

- sign 1802.930+/-0.283 χ^2/NDF: 112662.7/33



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

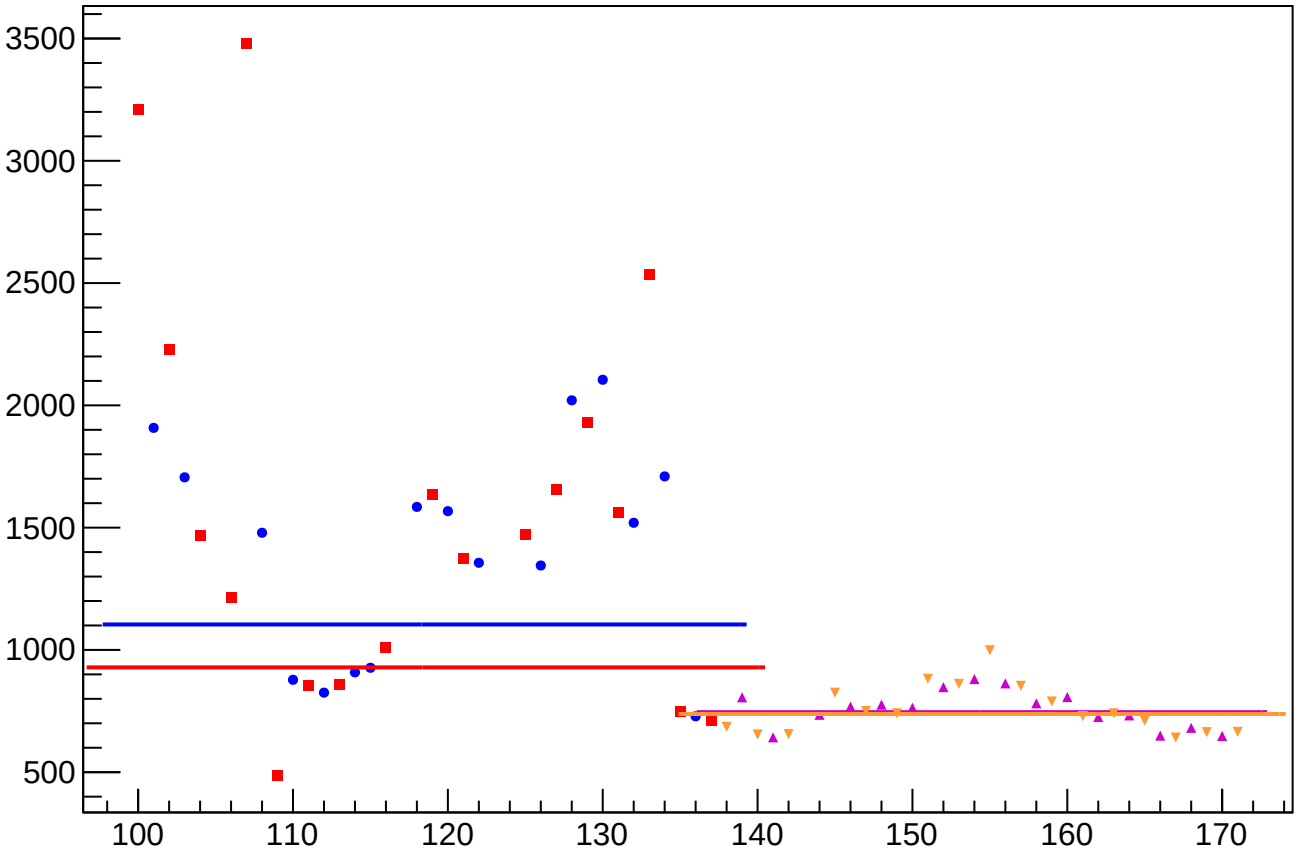
Right Out: -905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: -94.128+/-206.506 χ^2/NDF:11.7/15

+ sign -822.971+/-184.683 χ^2/NDF: 79.0/32

All: -543.177+/-129.987 χ^2/NDF: 109.1/66

- sign -268.500+/-182.987 χ^2/NDF: 25.6/33



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 737.945+/-0.144 χ^2/NDF:374505.1/16

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

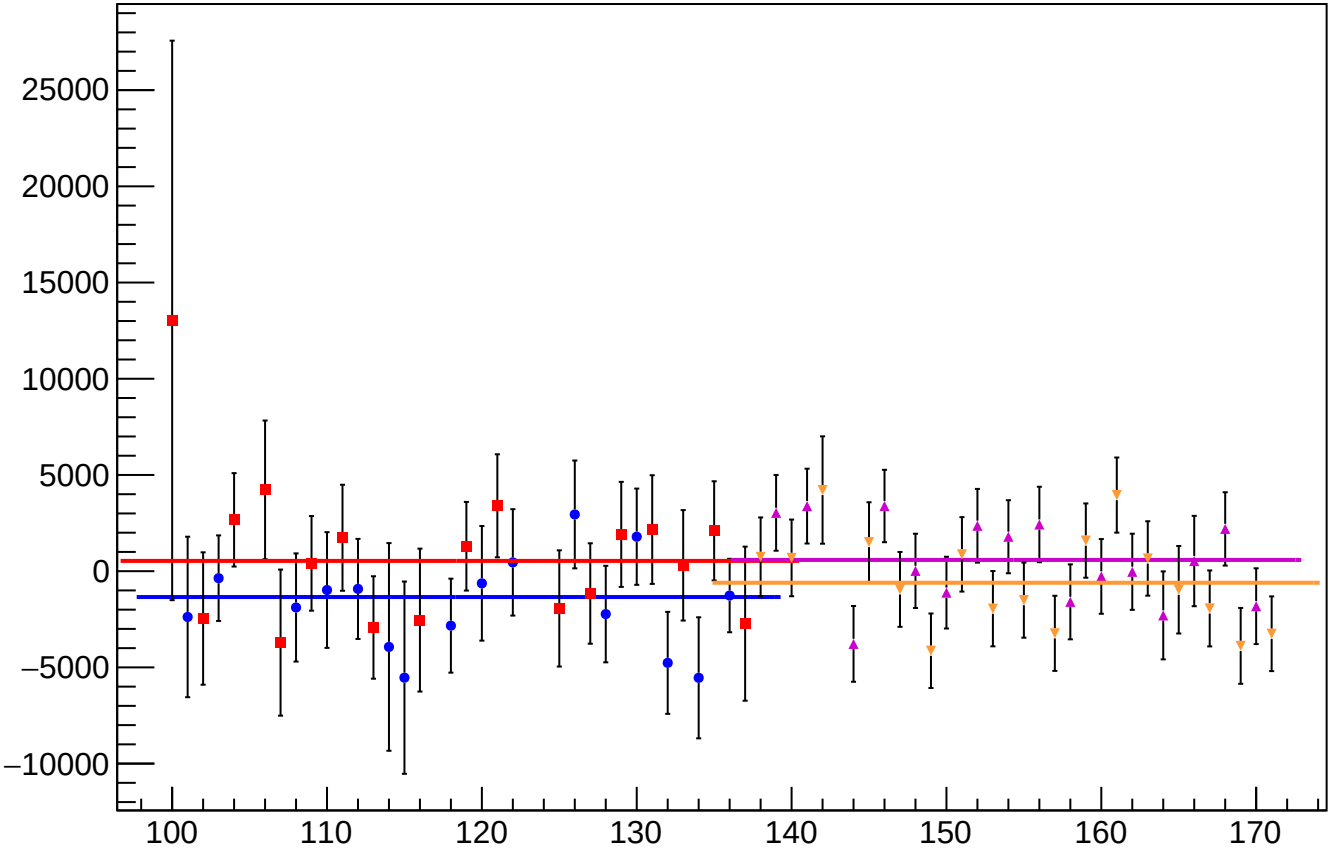
Left In: 745.609+/-0.146 χ^2/NDF:248682.7/15

+ sign 801.725+/-0.131 χ^2/NDF: 3399850.5/32

All: 793.247+/-0.092 χ^2/NDF: 7048720.4/66

- sign 784.924+/-0.129 χ^2/NDF: 3640517.1/33

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -601.496+/-487.512 χ^2/NDF:23.6/16

Right Out: 534.194+/-690.970 χ^2/NDF: 11.1/17

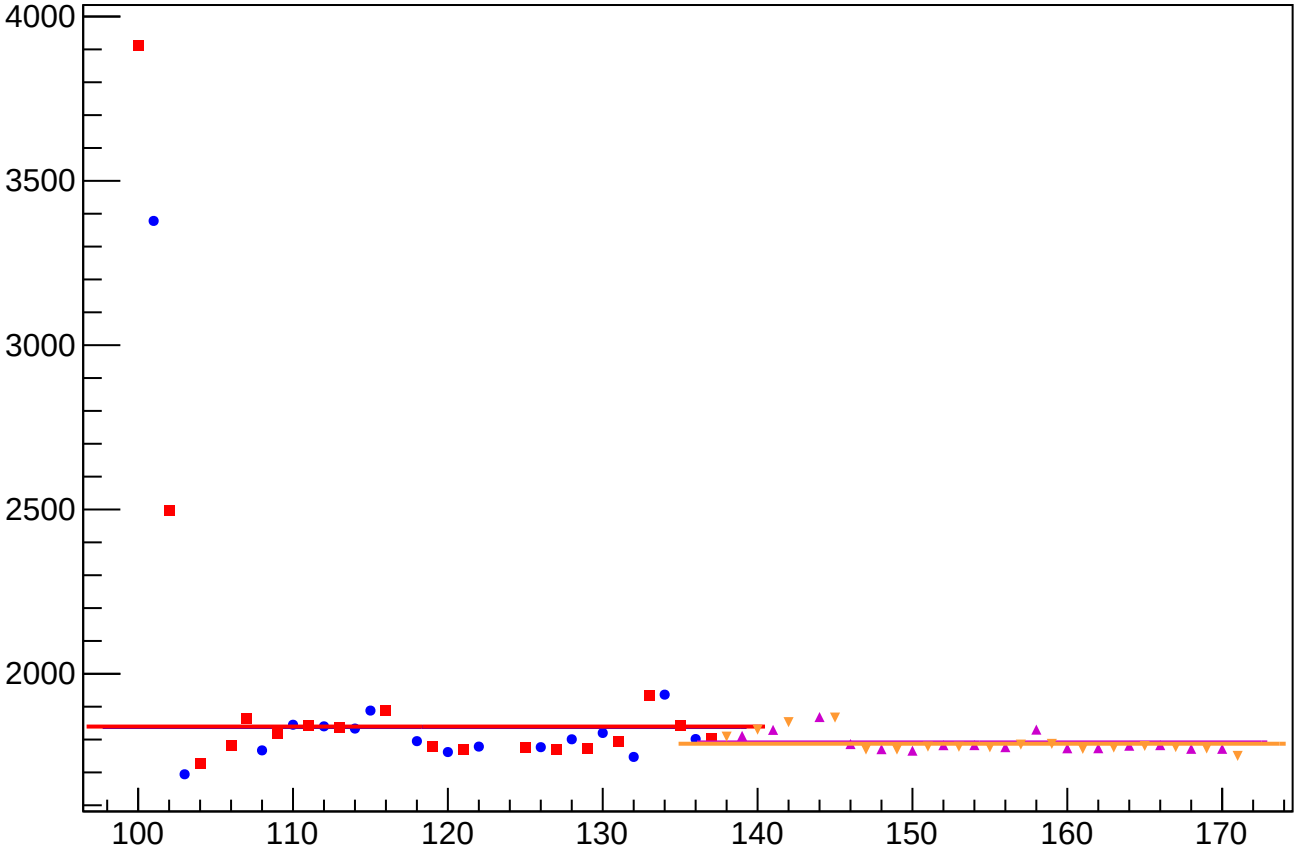
Left In: 584.009+/-492.684 χ^2/NDF:19.1/15

+ sign -848.268+/-398.339 χ^2/NDF: 34.0/32

All: -145.503+/-282.657 χ^2/NDF: 70.5/66

- sign 567.219+/-401.151 χ^2/NDF: 30.3/33

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1787.279+/-0.345 χ^2/NDF:6792.9/16

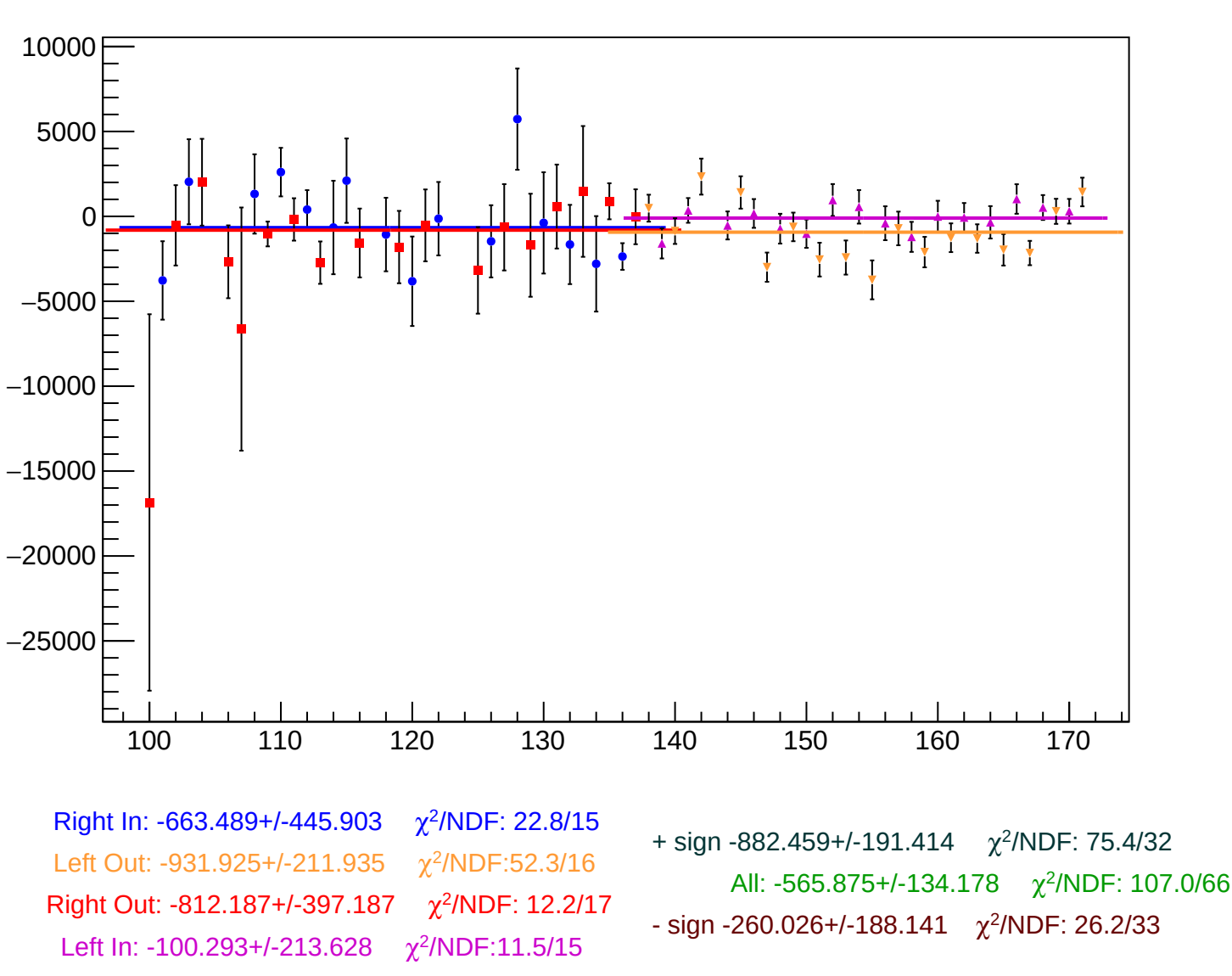
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

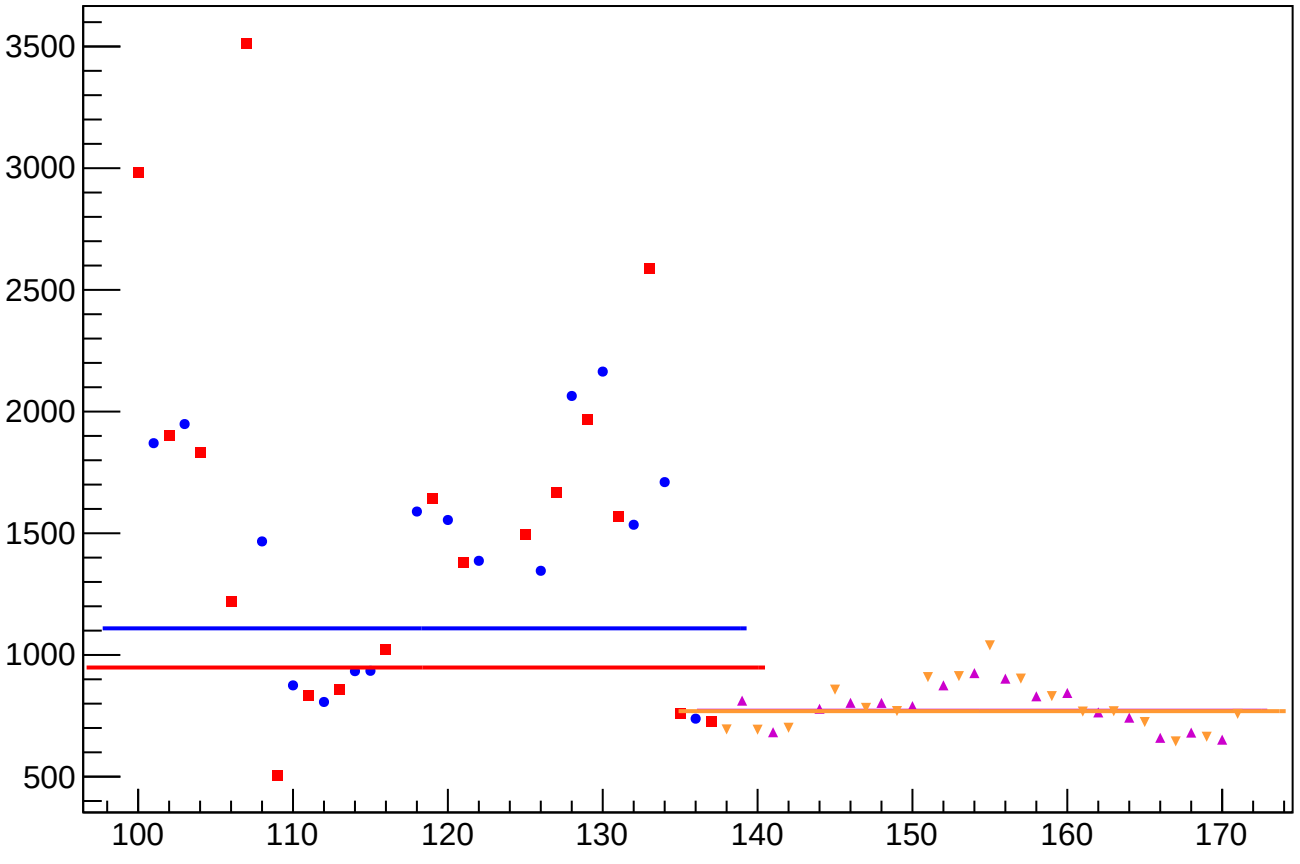
Left In: 1791.282+/-0.348 χ^2/NDF:6429.7/15

\+ sign 1804.190+/-0.282 χ^2/NDF: 306017.7/32

All: 1805.853+/-0.200 χ^2/NDF: 447232.4/66

\- sign 1807.540+/-0.284 χ^2/NDF: 141144.5/33


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: -663.489+/-445.903 χ²/NDF: 22.8/15
Left Out: -931.925+/-211.935 χ²/NDF:52.3/16
Right Out: -812.187+/-397.187 χ²/NDF: 12.2/17
Left In: -100.293+/-213.628 χ²/NDF:11.5/15
+ sign -882.459+/-191.414 χ²/NDF: 75.4/32
All: -565.875+/-134.178 χ²/NDF: 107.0/66
- sign -260.026+/-188.141 χ²/NDF: 26.2/33



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 769.140+/-0.150 χ^2/NDF:407384.2/16

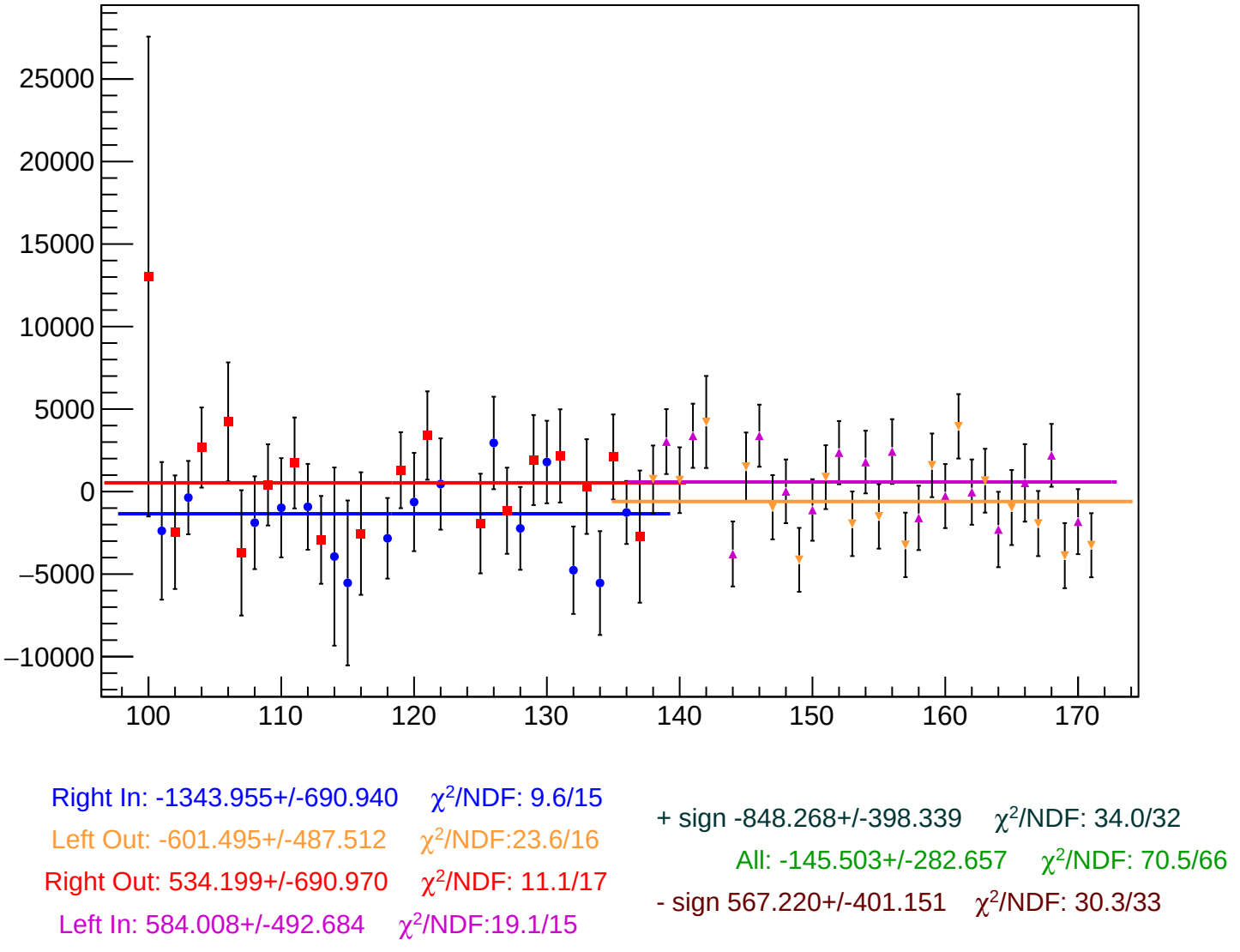
Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 770.981+/-0.151 χ^2/NDF:288766.3/15

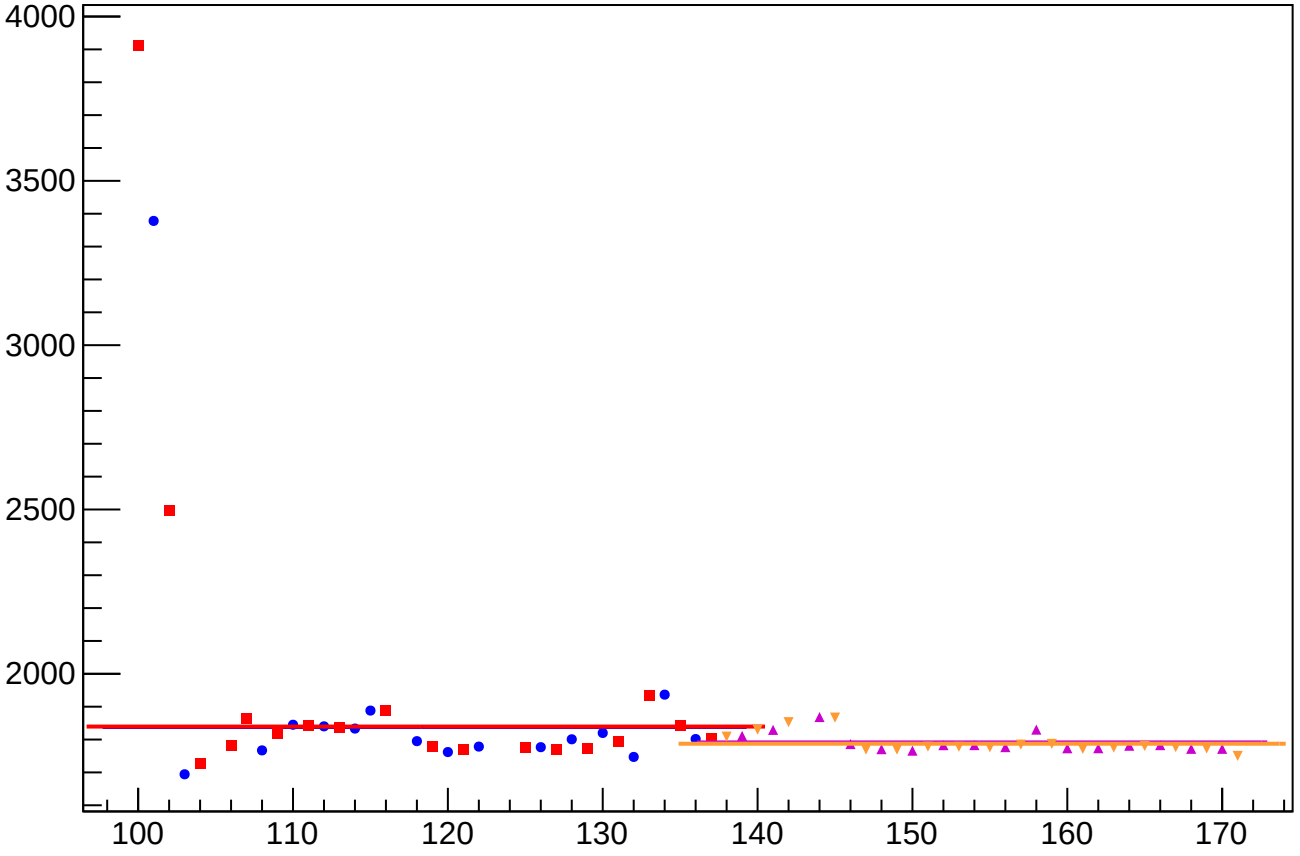
+ sign 831.835+/-0.135 χ^2/NDF: 3330510.9/32

All: 821.135+/-0.095 χ^2/NDF: 6994888.1/66

- sign 810.798+/-0.133 χ^2/NDF: 3652091.1/33


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -601.495+/-487.512 χ²/NDF:23.6/16
Right Out: 534.199+/-690.970 χ²/NDF: 11.1/17
Left In: 584.008+/-492.684 χ²/NDF:19.1/15
+ sign -848.268+/-398.339 χ²/NDF: 34.0/32
All: -145.503+/-282.657 χ²/NDF: 70.5/66
- sign 567.220+/-401.151 χ²/NDF: 30.3/33

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: 1787.279+/-0.345 χ^2/NDF:6792.9/16

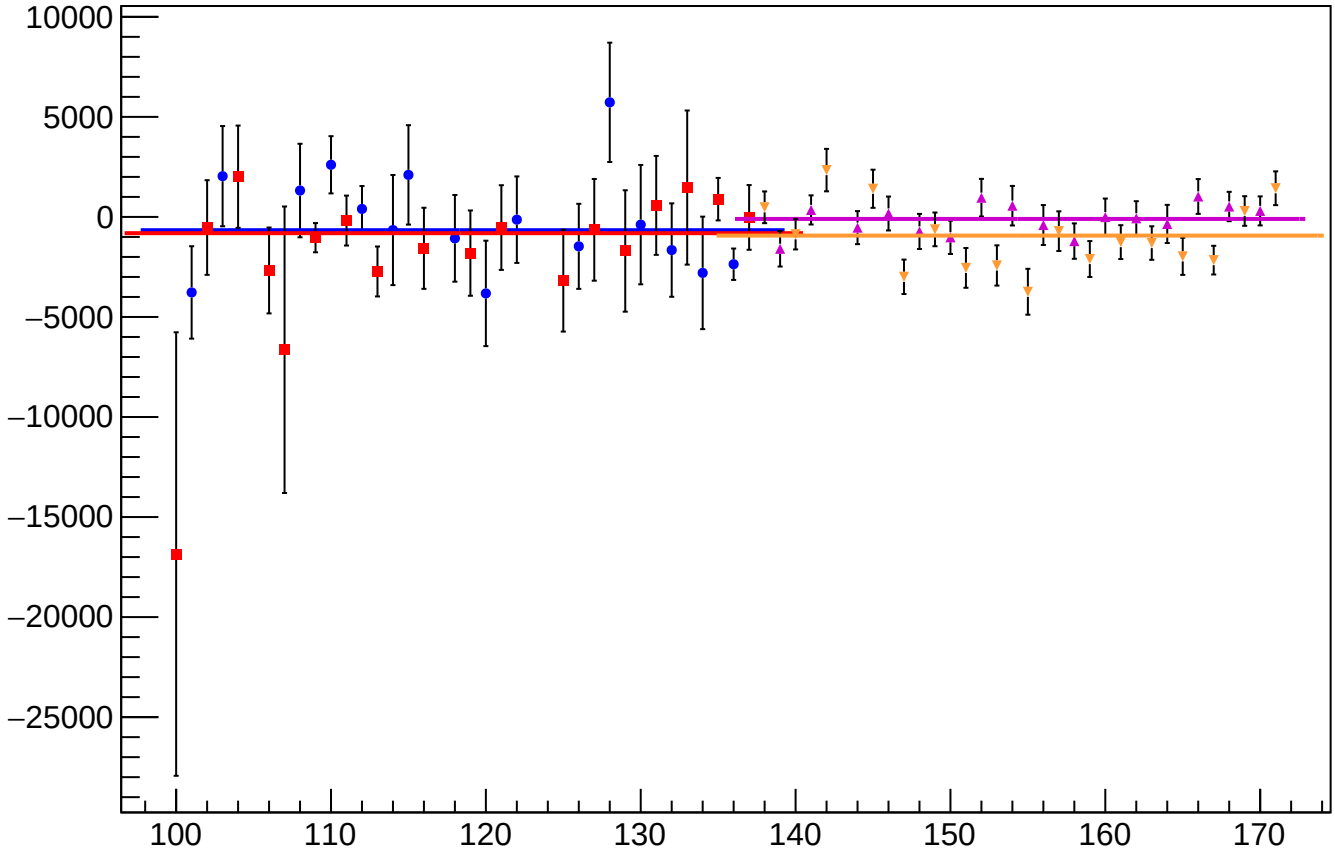
Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1791.282+/-0.348 χ^2/NDF:6429.7/15

+ sign 1804.190+/-0.282 χ^2/NDF: 306017.7/32

All: 1805.853+/-0.200 χ^2/NDF: 447232.5/66

- sign 1807.540+/-0.284 χ^2/NDF: 141144.5/33



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -931.928+/-211.935 χ^2/NDF:52.3/16

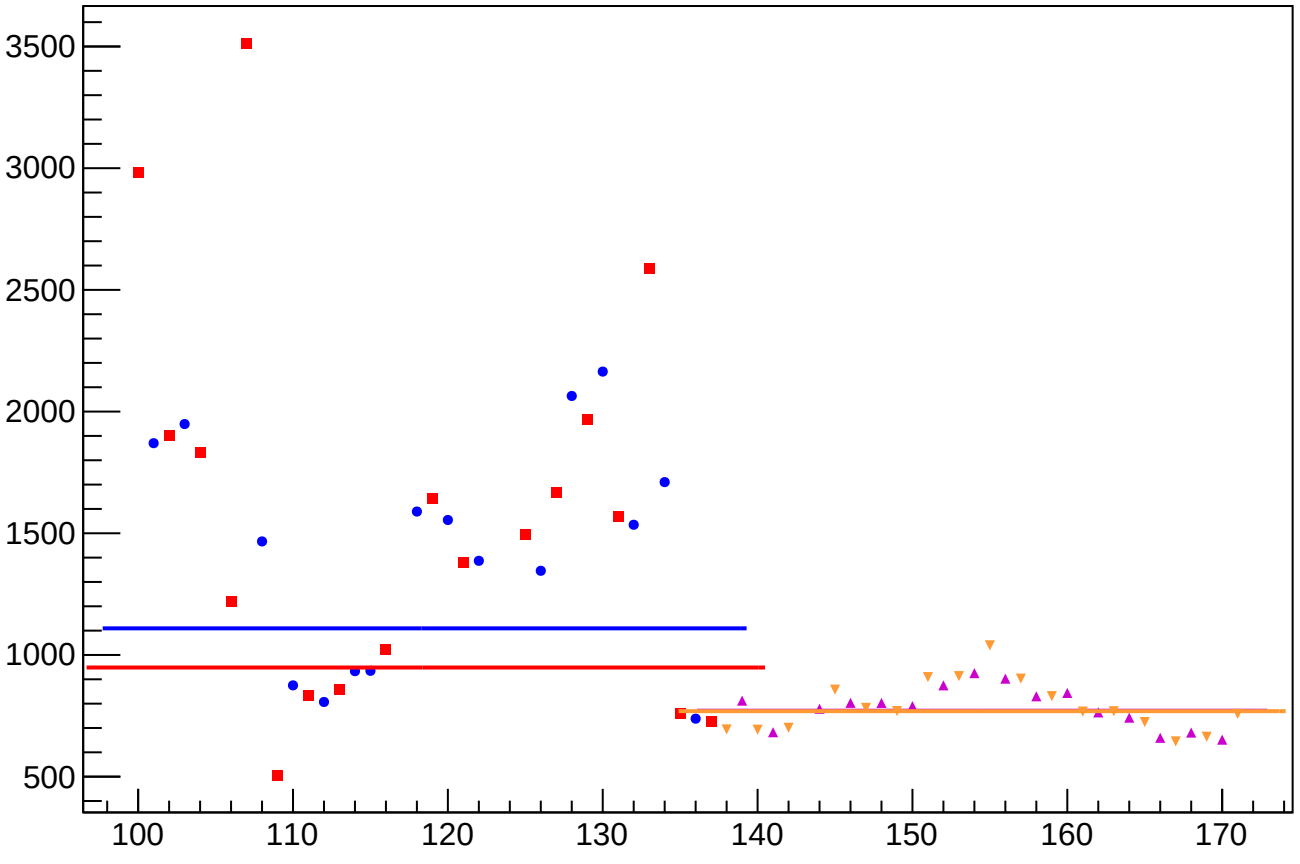
Right Out: -812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: -100.290+/-213.628 χ^2/NDF:11.5/15

+ sign -882.459+/-191.414 χ^2/NDF: 75.4/32

All: -565.874+/-134.178 χ^2/NDF: 107.0/66

- sign -260.024+/-188.141 χ^2/NDF: 26.2/33



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 769.141+/-0.150 χ^2/NDF:407376.3/16

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

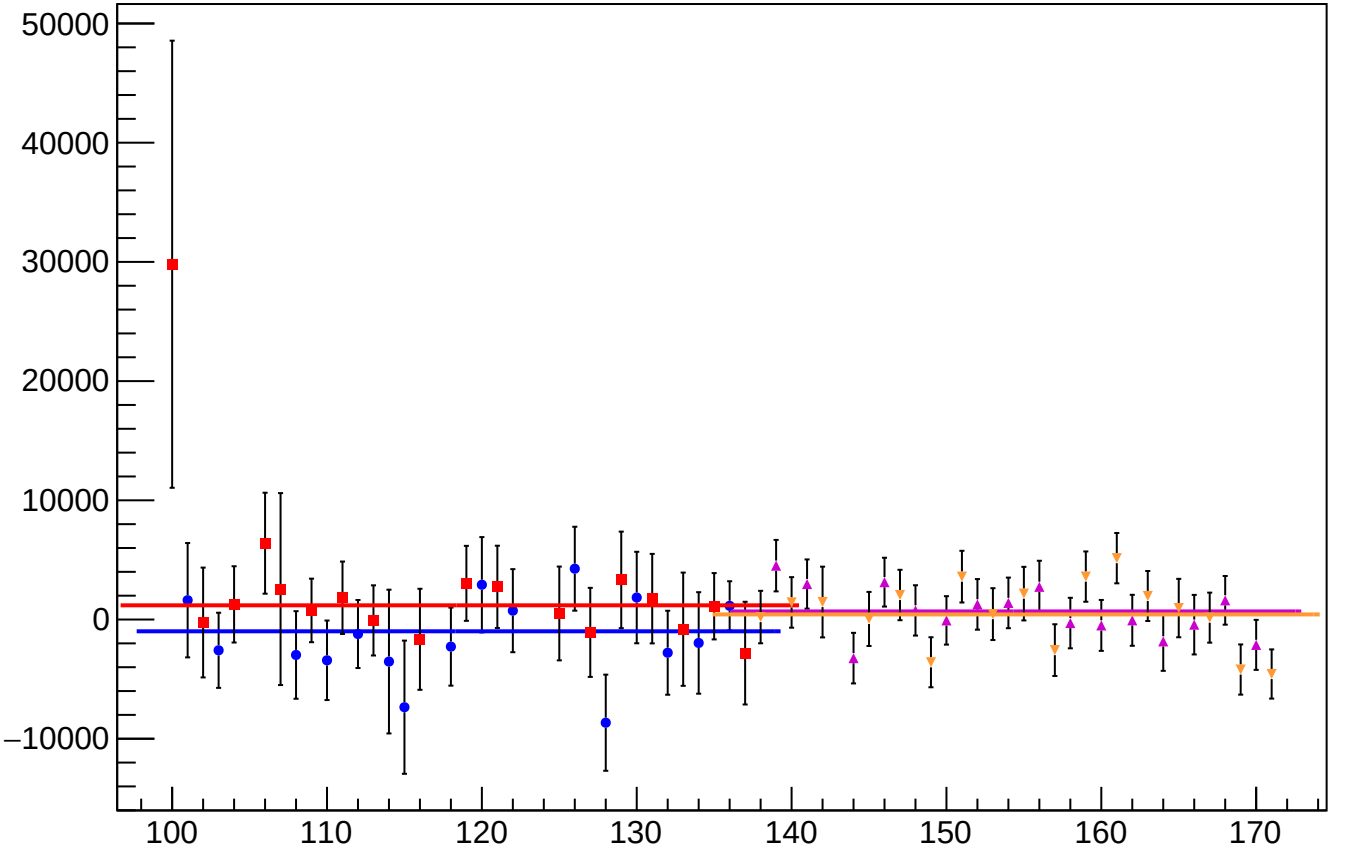
Left In: 770.981+/-0.151 χ^2/NDF:288774.0/15

+ sign 831.836+/-0.135 χ^2/NDF: 3330474.1/32

All: 821.136+/-0.095 χ^2/NDF: 6994842.1/66

- sign 810.799+/-0.133 χ^2/NDF: 3652081.0/33

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 428.360+/-530.537 χ^2/NDF:27.8/16

Right Out: 1192.173+/-870.432 χ^2/NDF: 7.0/17

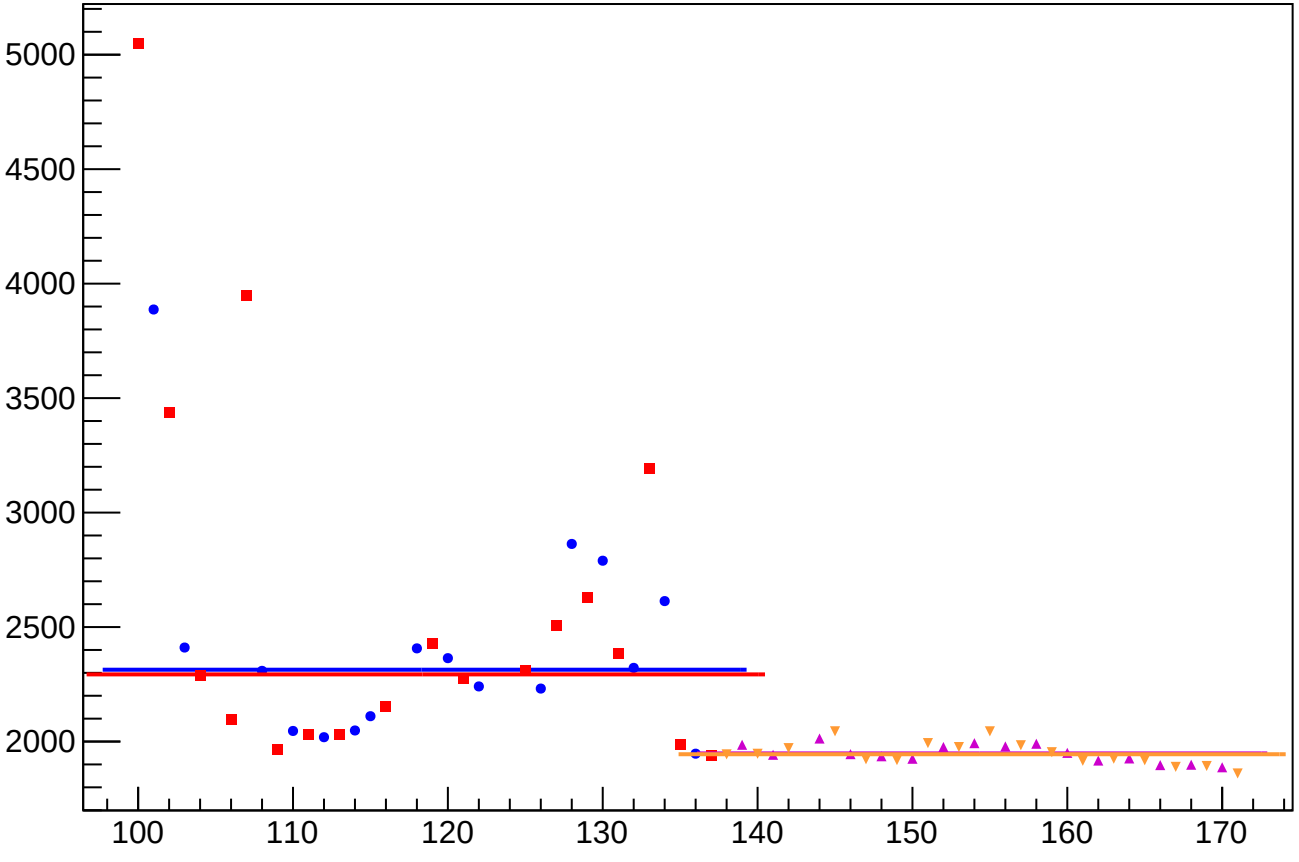
Left In: 679.072+/-535.924 χ^2/NDF:14.3/15

+ sign 47.015+/-453.498 χ^2/NDF: 41.7/32

All: 431.133+/-321.679 χ^2/NDF: 64.7/66

- sign 820.114+/-456.360 χ^2/NDF: 21.6/33

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1944.550+/-0.375 χ^2/NDF:17305.8/16

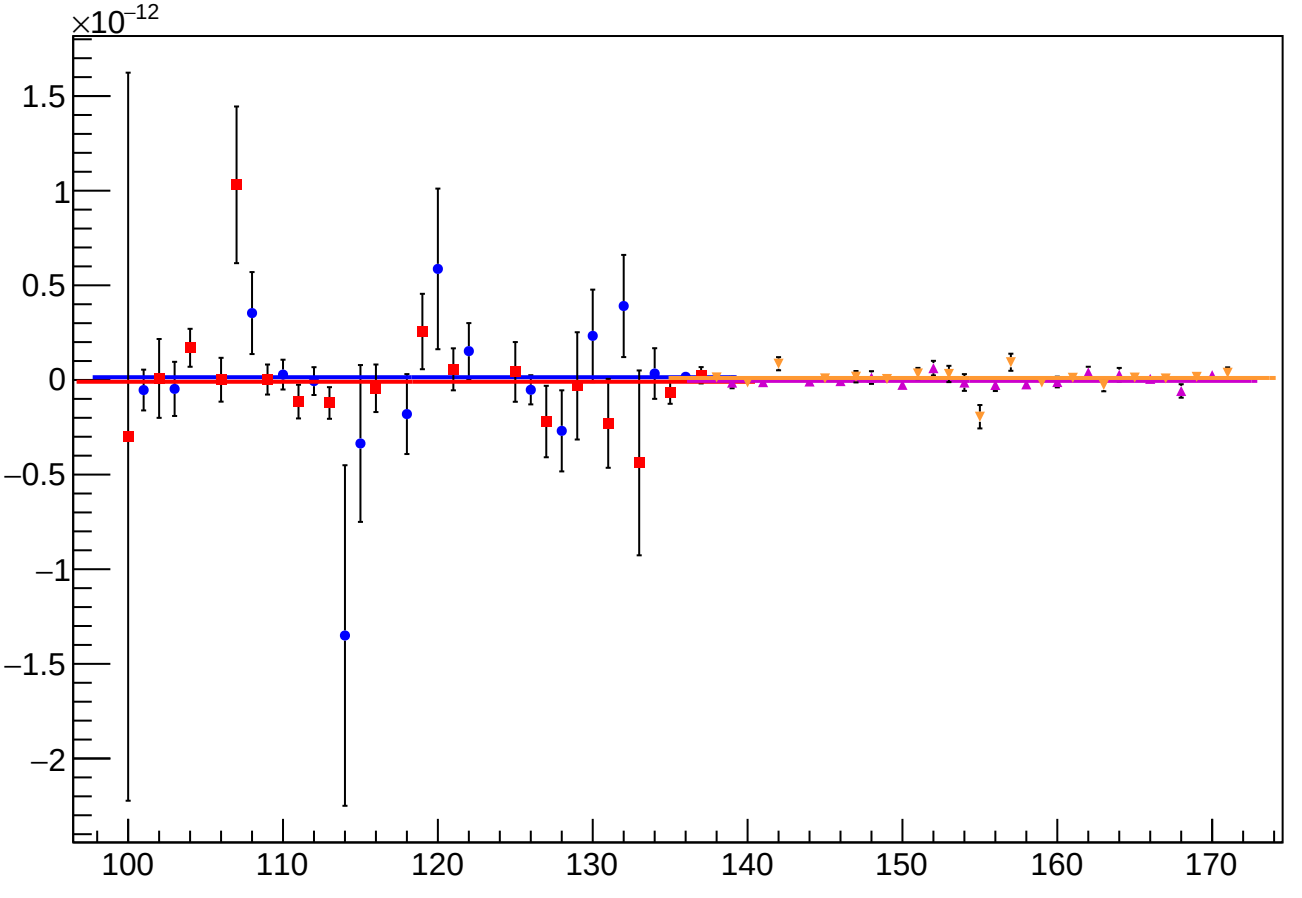
Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1948.269+/-0.379 χ^2/NDF:9525.1/15

+ sign 2043.985+/-0.321 χ^2/NDF: 680911.5/32

All: 2043.548+/-0.227 χ^2/NDF: 1371479.6/66

- sign 2043.105+/-0.323 χ^2/NDF: 690564.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/16

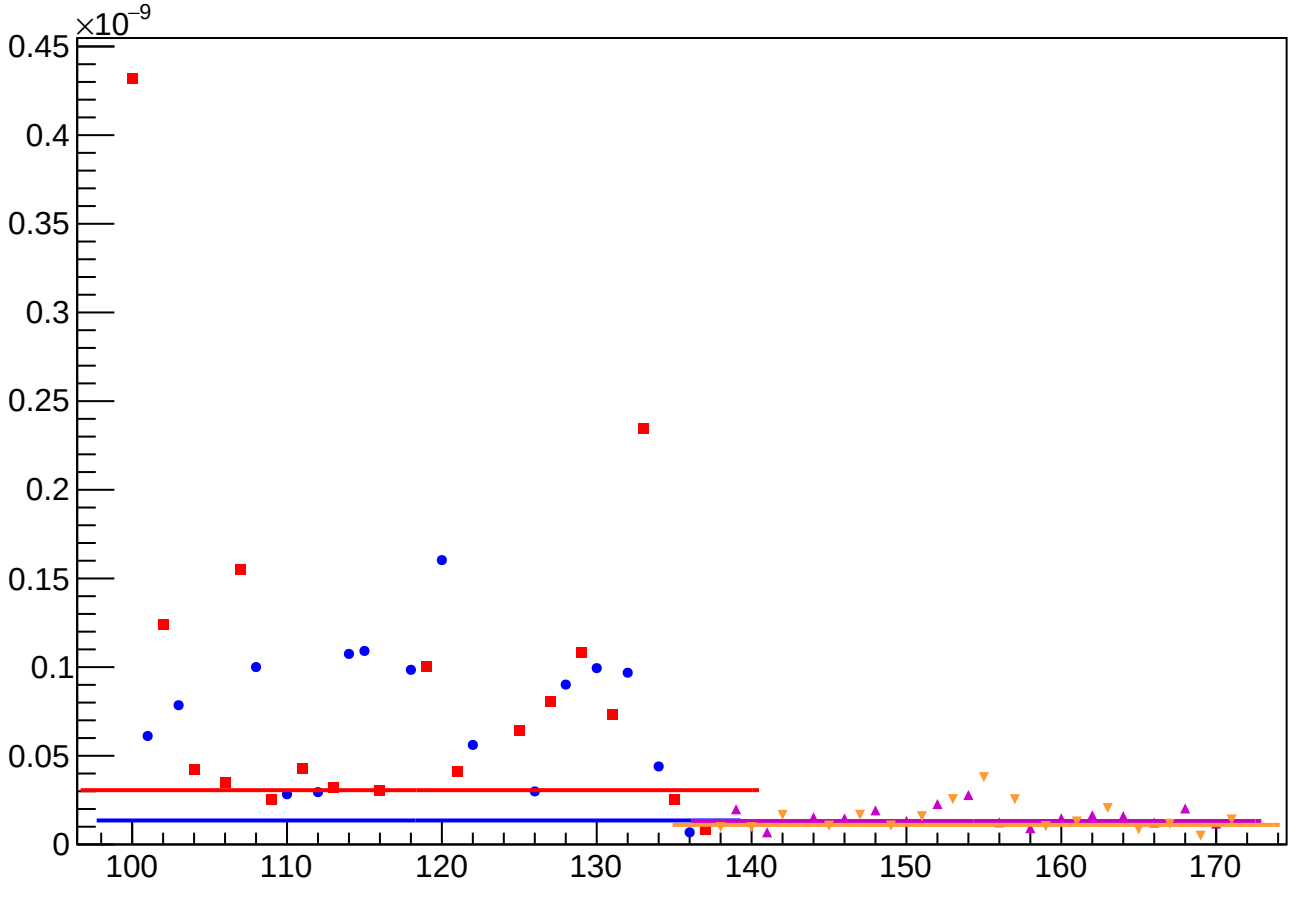
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 40.3/32

All: 0.000+/-0.000 χ^2/NDF: 76.9/66

- sign -0.000+/-0.000 χ^2/NDF: 32.6/33



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700380.1/16

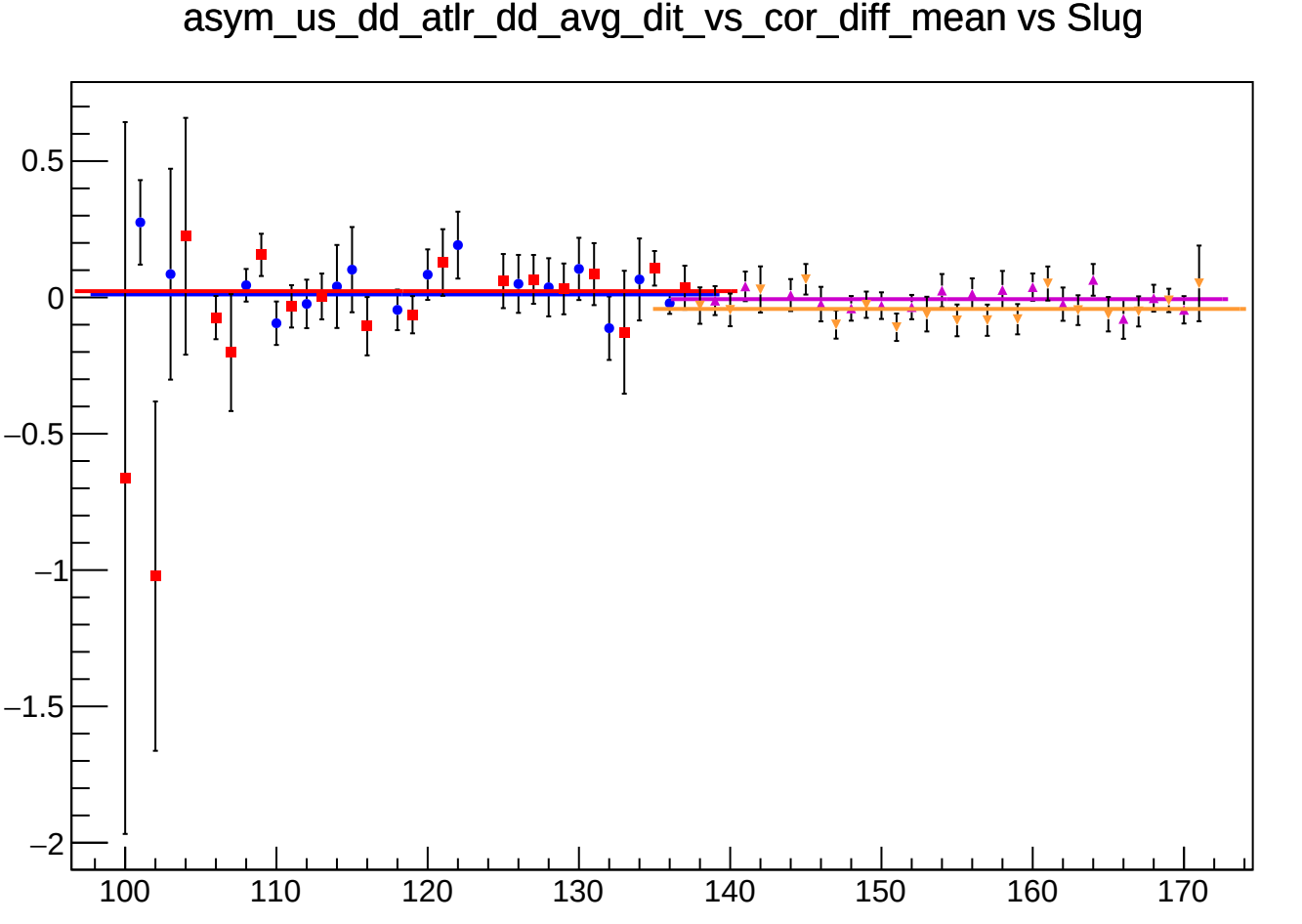
Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1139115.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 5170334.1/32

All: 0.000+/-0.000 χ^2/NDF: 9900114.3/66

- sign 0.000+/-0.000 χ^2/NDF: 4459569.3/33



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

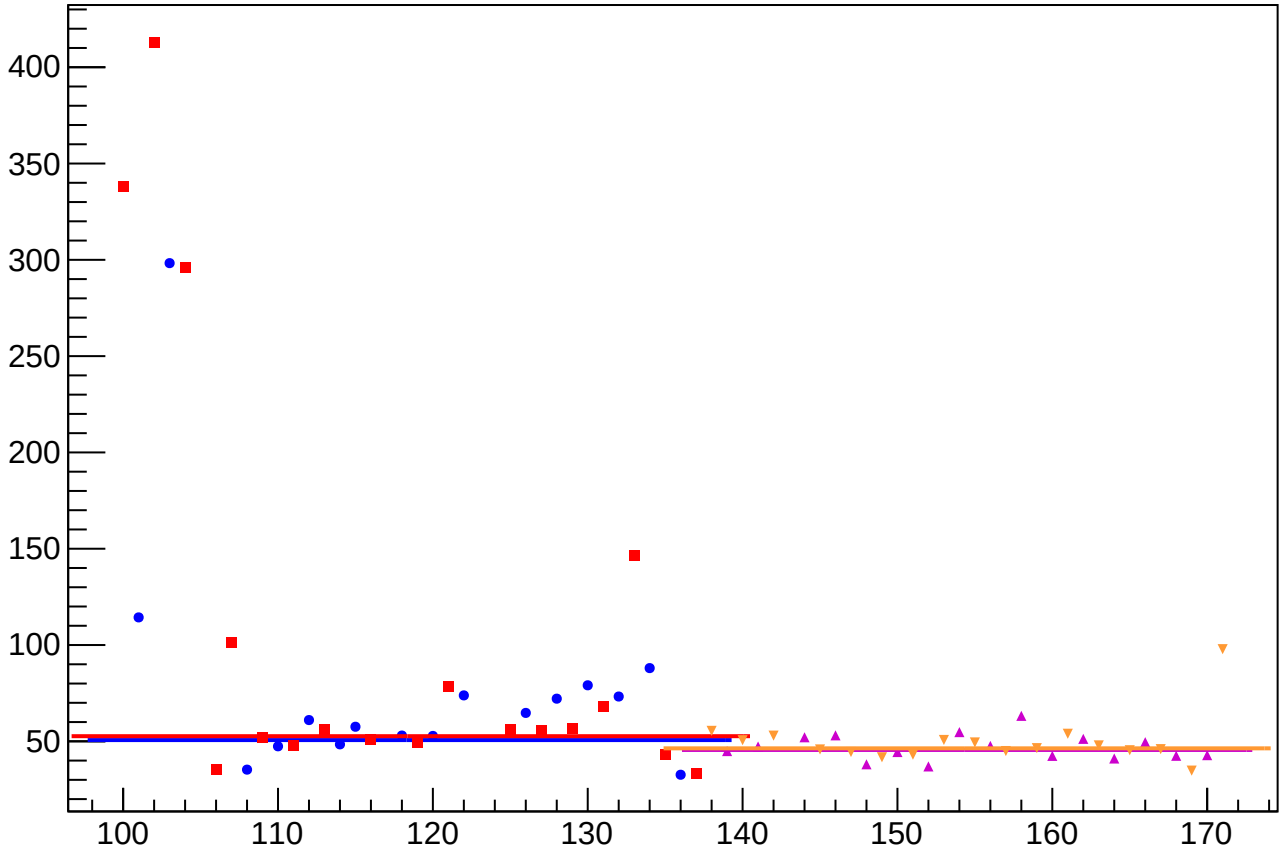
Left In: -0.006+/-0.014 χ^2/NDF:6.7/15

+ sign -0.027+/-0.012 χ^2/NDF: 28.5/32

All: -0.013+/-0.008 χ^2/NDF: 55.1/66

- sign 0.001+/-0.012 χ^2/NDF: 23.8/33

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.355+/-0.010 χ^2/NDF:557267.3/16

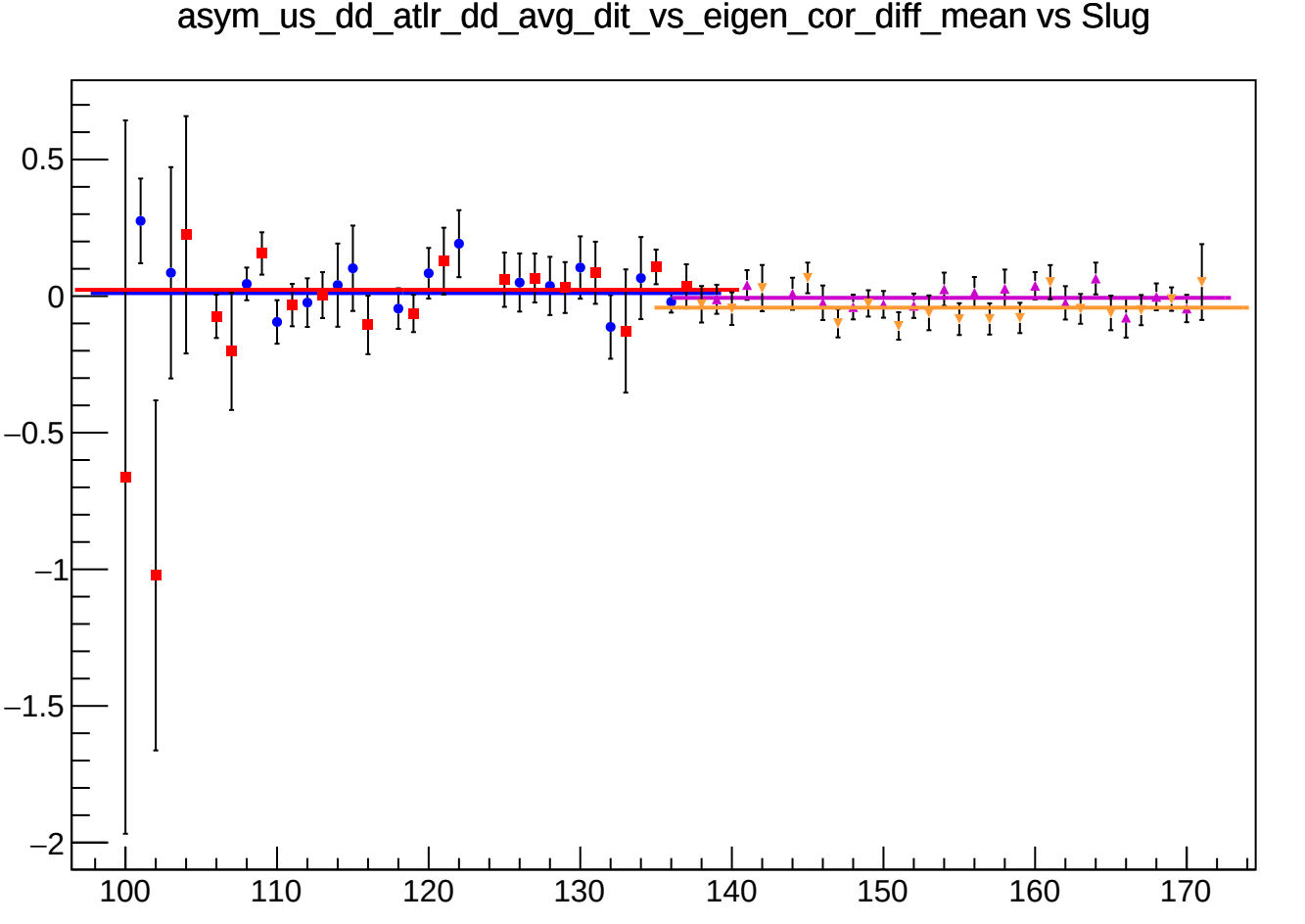
Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.526+/-0.010 χ^2/NDF:419413.5/15

\+ sign 47.603+/-0.008 χ^2/NDF: 2878274.7/32

All: 47.485+/-0.006 χ^2/NDF: 5651694.8/66

\- sign 47.367+/-0.008 χ^2/NDF: 2773017.9/33



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

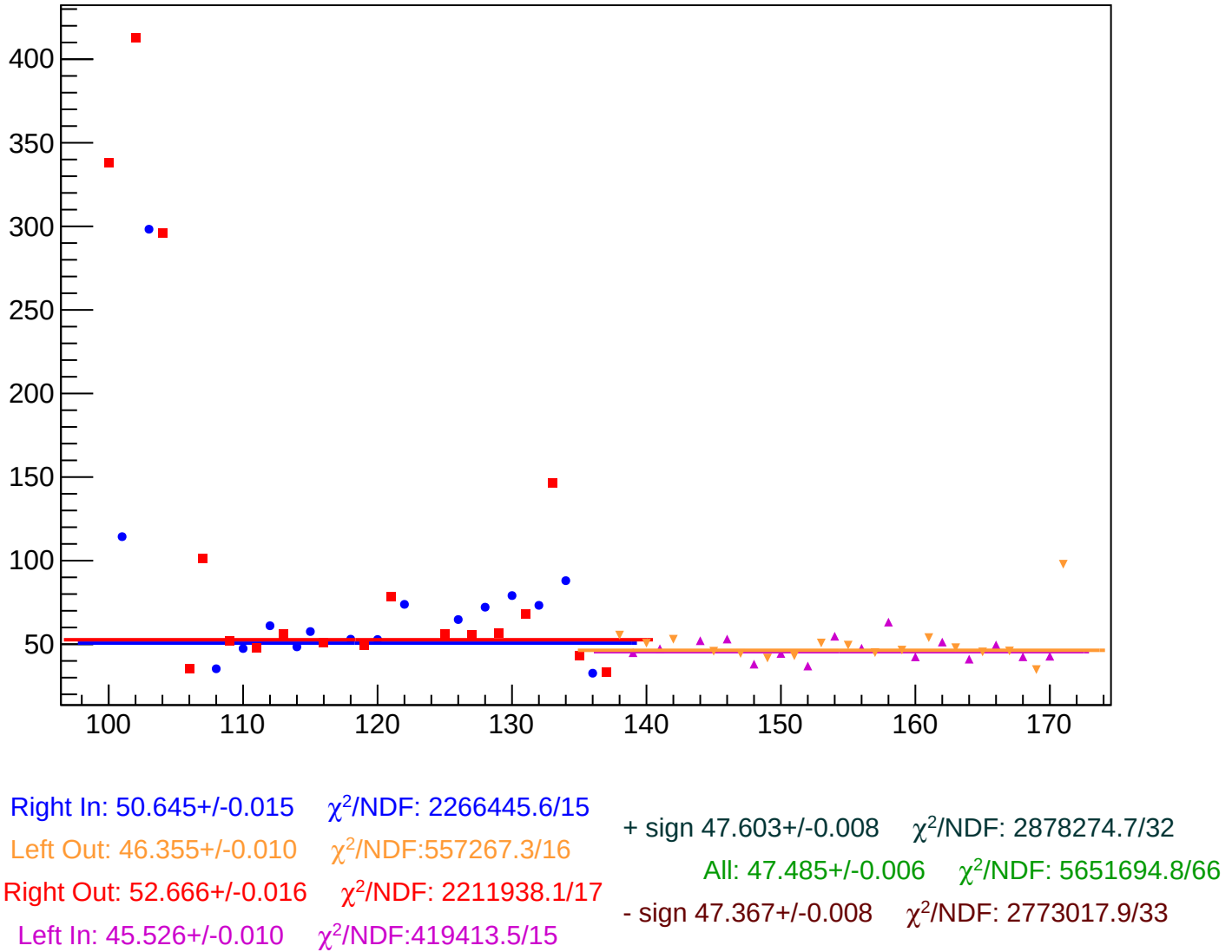
Right Out: 0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.006+/-0.014 χ^2/NDF:6.7/15

+ sign -0.027+/-0.012 χ^2/NDF: 28.5/32

All: -0.013+/-0.008 χ^2/NDF: 55.1/66

- sign 0.001+/-0.012 χ^2/NDF: 23.8/33


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug
400
350
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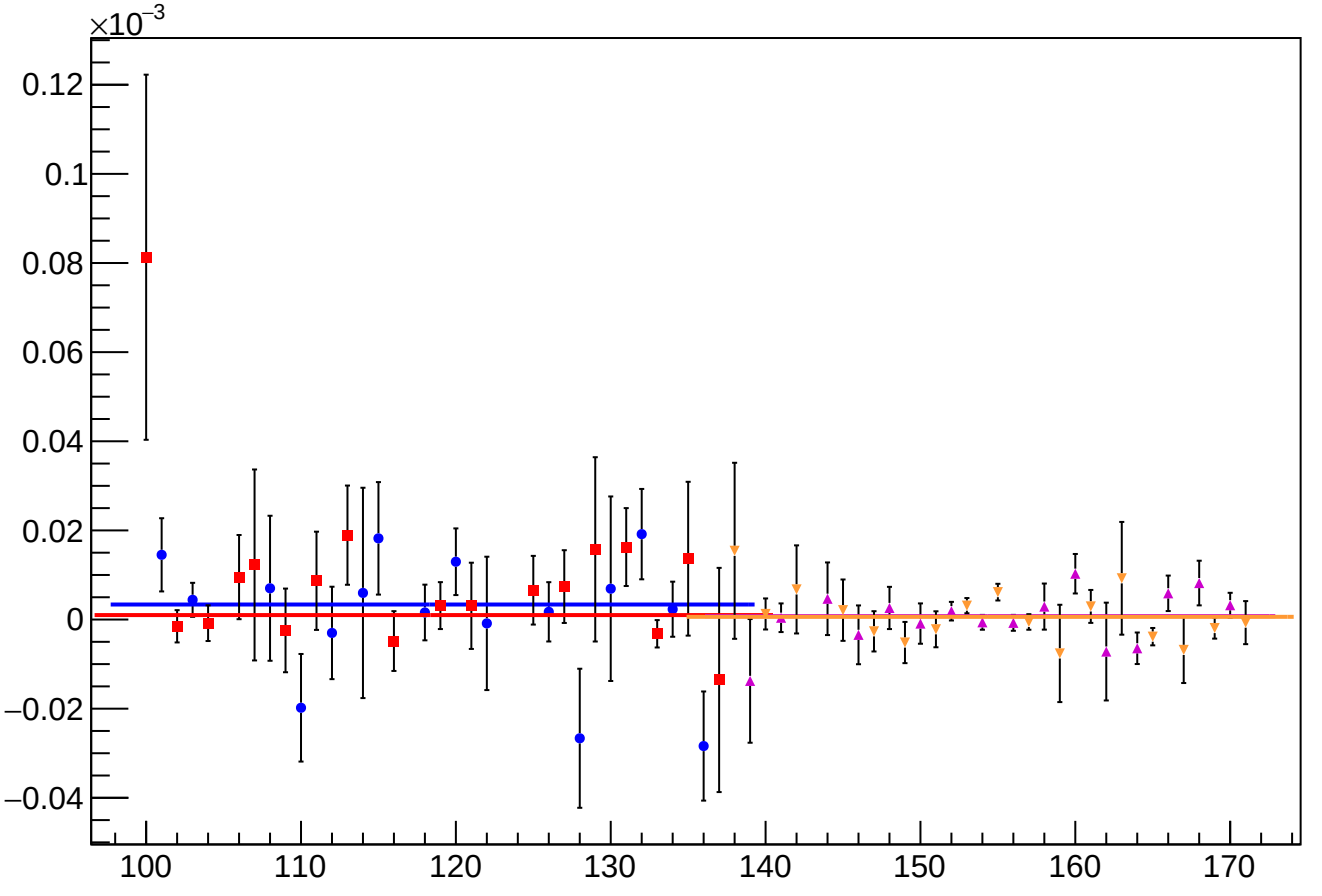
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 50.645+/-0.015 χ²/NDF: 2266445.6/15
Left Out: 46.355+/-0.010 χ²/NDF:557267.3/16
Right Out: 52.666+/-0.016 χ²/NDF: 2211938.1/17
Left In: 45.526+/-0.010 χ²/NDF:419413.5/15
+ sign 47.603+/-0.008 χ²/NDF: 2878274.7/32
All: 47.485+/-0.006 χ²/NDF: 5651694.8/66
- sign 47.367+/-0.008 χ²/NDF: 2773017.9/33



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/16

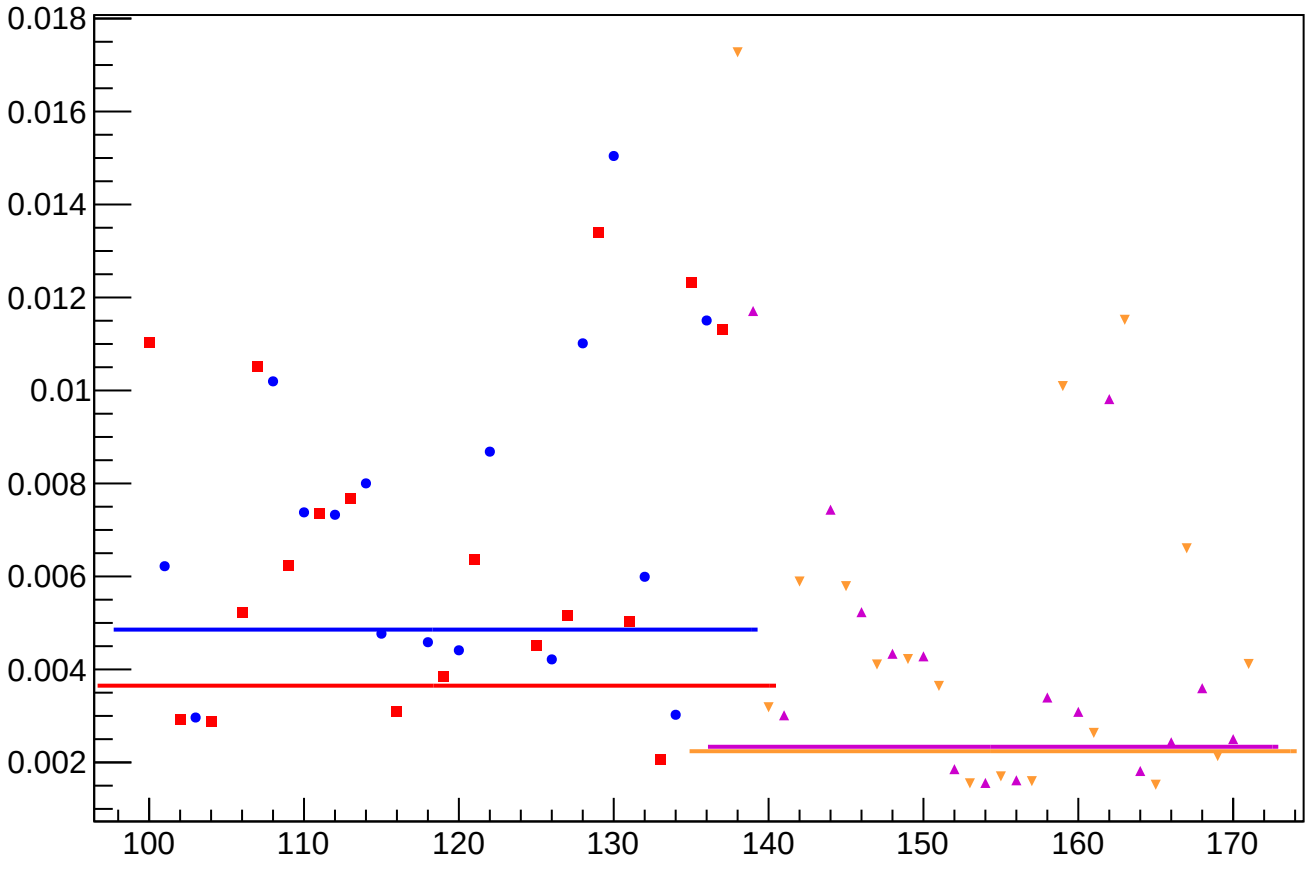
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:17.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/32

All: 0.000+/-0.000 χ^2/NDF: 82.6/66

- sign 0.000+/-0.000 χ^2/NDF: 35.1/33



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:7230882.6/16

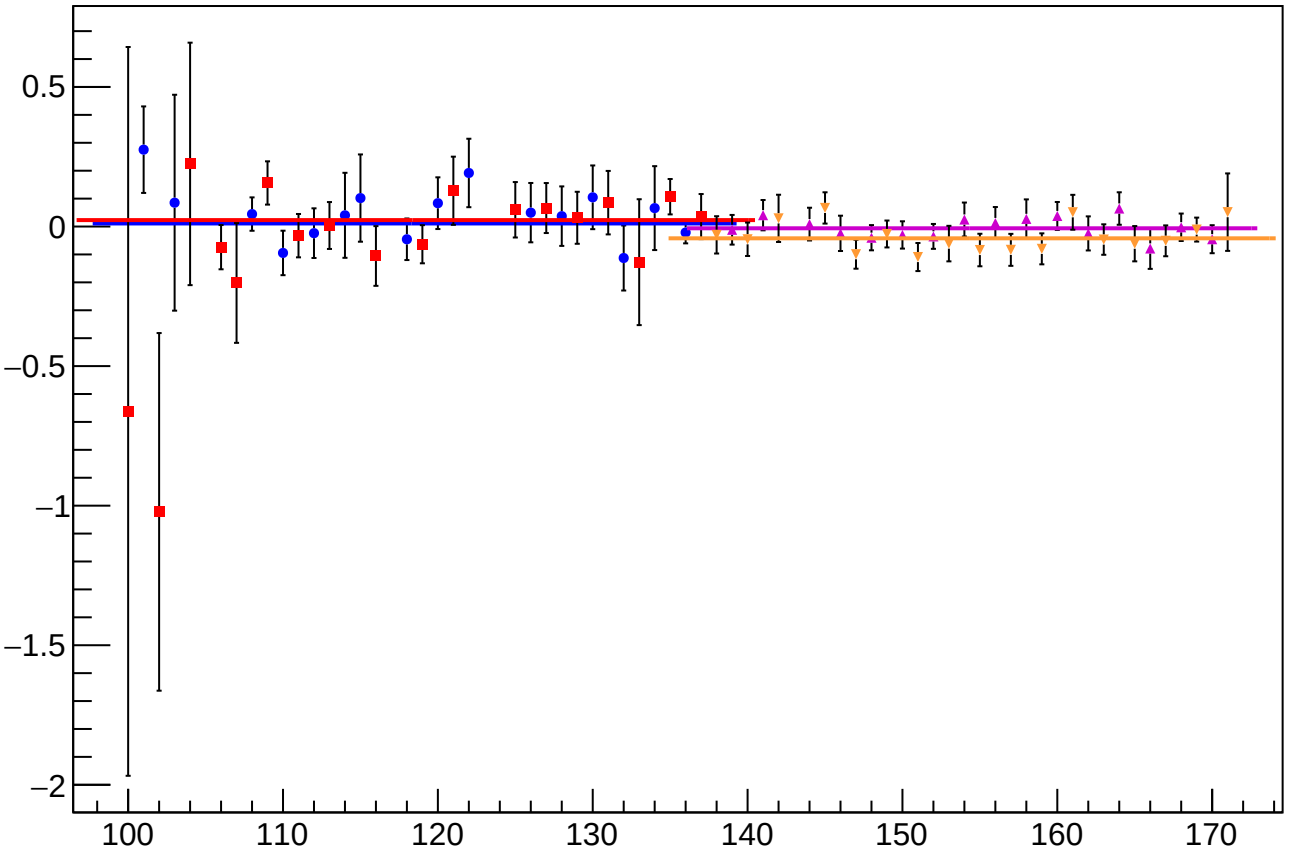
Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:5014460.5/15

+ sign 0.003+/-0.000 χ^2/NDF: 12782440.0/32

All: 0.003+/-0.000 χ^2/NDF: 22030221.4/66

- sign 0.003+/-0.000 χ^2/NDF: 9236591.5/33



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

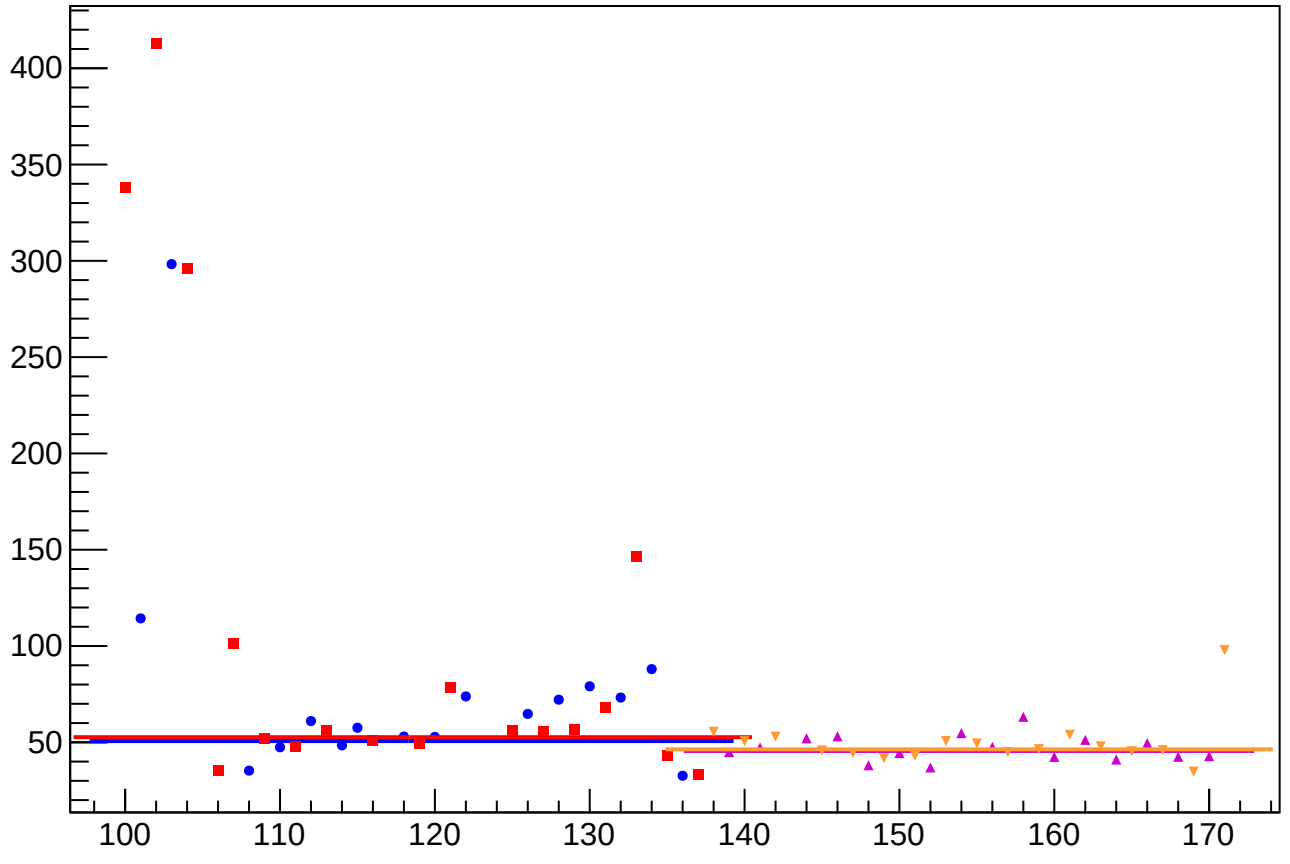
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.006+/-0.014 χ^2/NDF:6.7/15

+ sign -0.027+/-0.012 χ^2/NDF: 28.5/32

All: -0.013+/-0.008 χ^2/NDF: 55.1/66

- sign 0.001+/-0.012 χ^2/NDF: 23.8/33



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.355+/-0.010 χ^2/NDF:557272.8/16

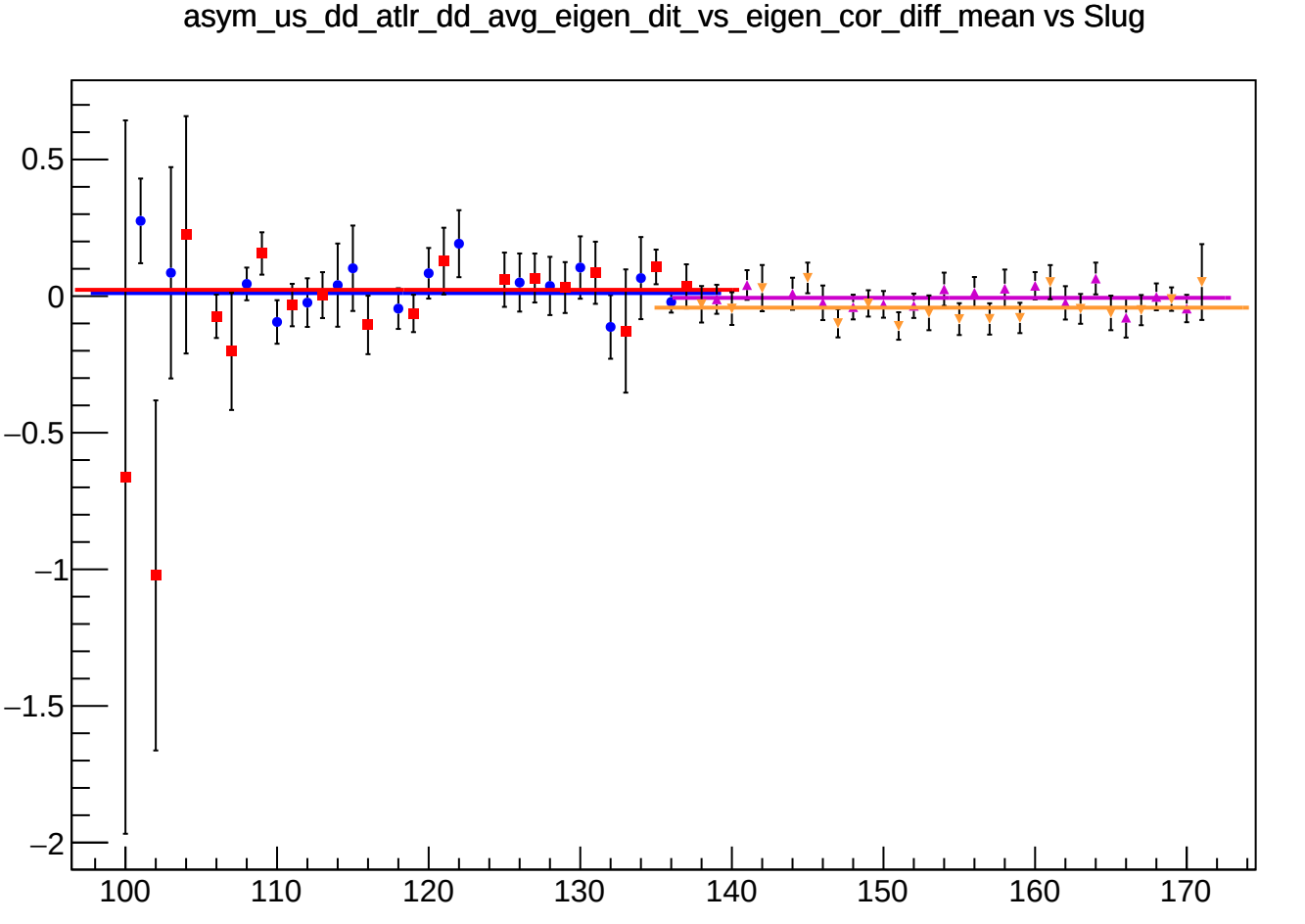
Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.526+/-0.010 χ^2/NDF:419374.3/15

+ sign 47.603+/-0.008 χ^2/NDF: 2878202.6/32

All: 47.485+/-0.006 χ^2/NDF: 5651486.1/66

- sign 47.367+/-0.008 χ^2/NDF: 2772883.0/33



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

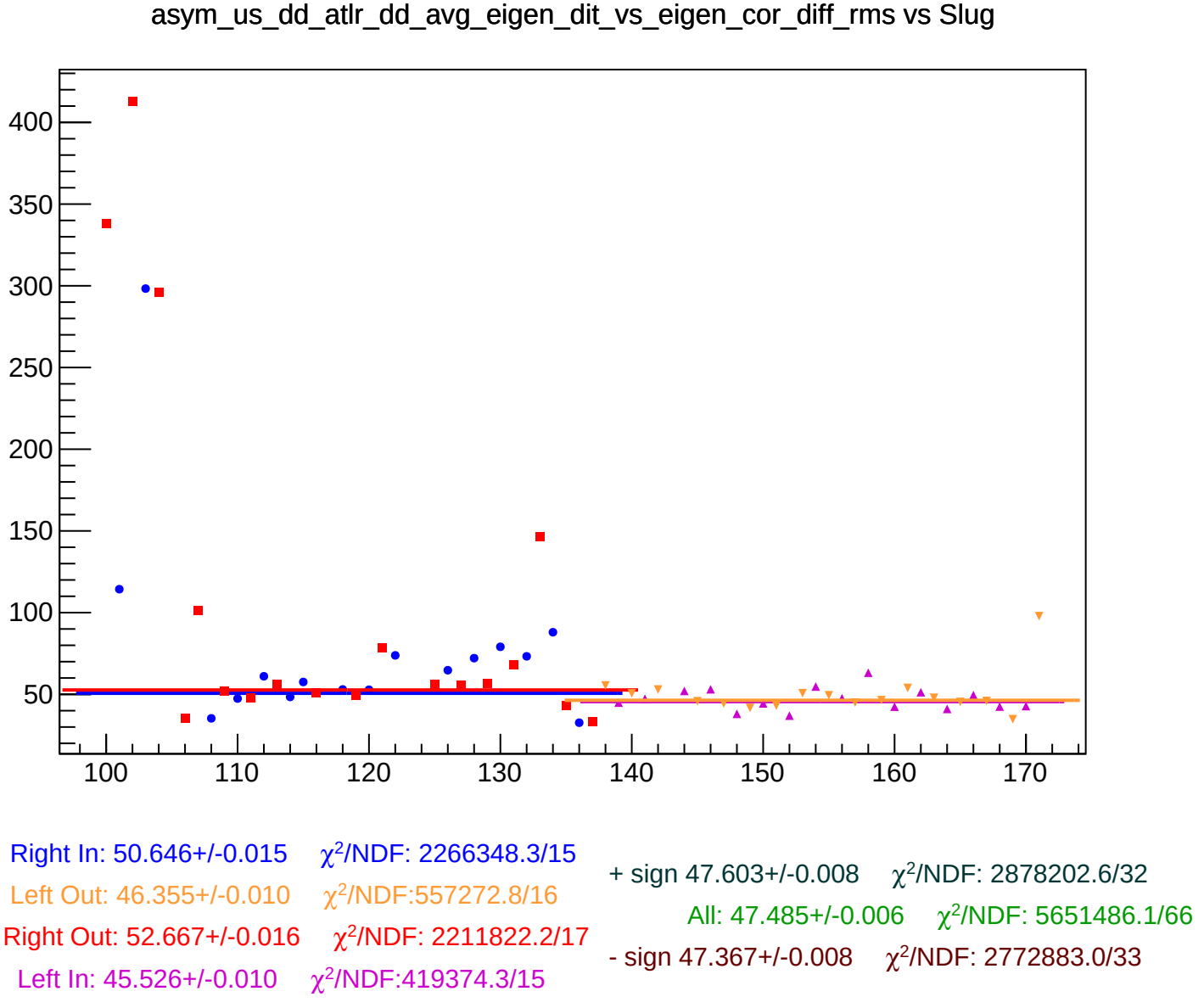
Right Out: 0.023+/-0.023 χ^2/NDF: 15.9/17

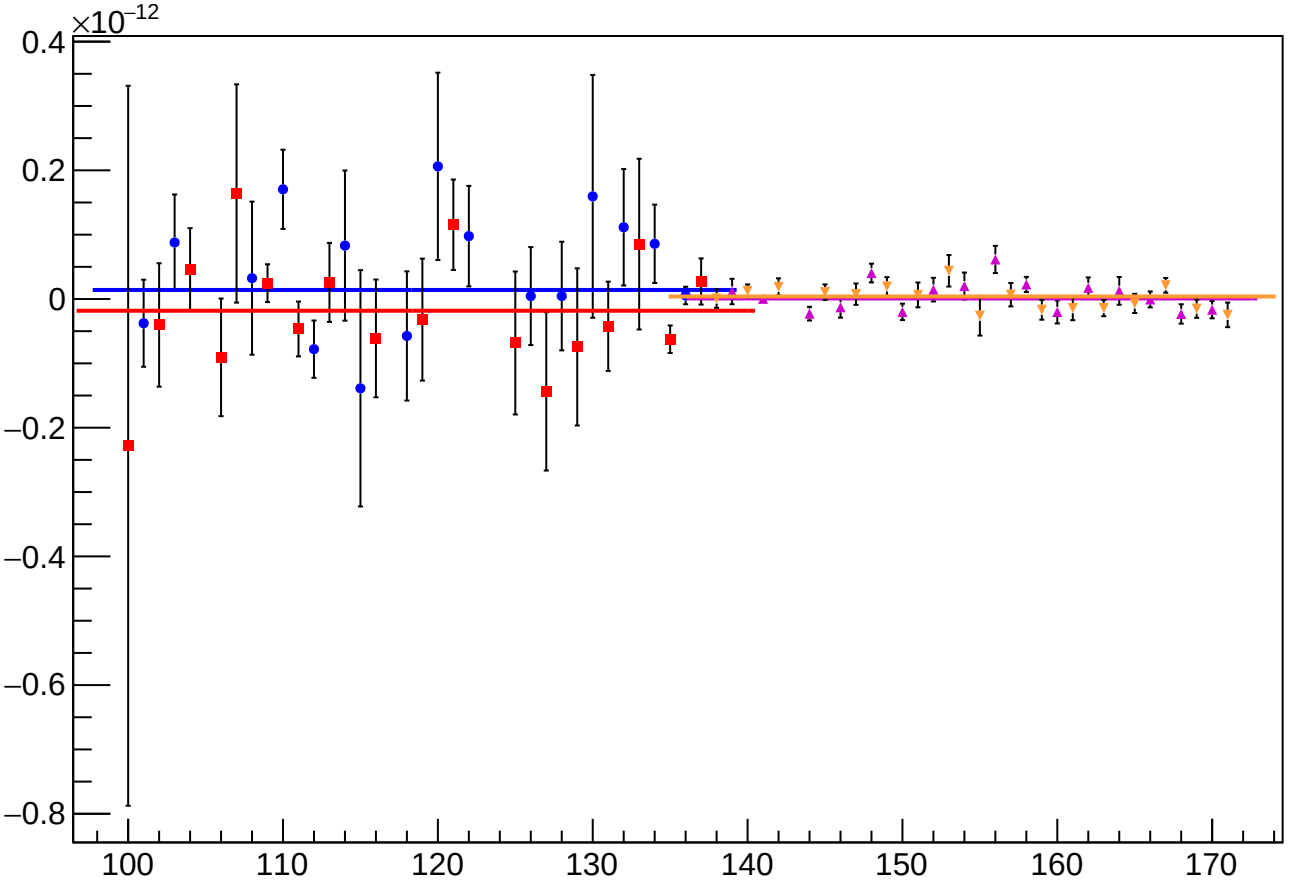
Left In: -0.006+/-0.014 χ^2/NDF:6.7/15

+ sign -0.027+/-0.012 χ^2/NDF: 28.5/32

All: -0.013+/-0.008 χ^2/NDF: 55.1/66

- sign 0.001+/-0.012 χ^2/NDF: 23.8/33


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
170
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 46.355+/-0.010 χ²/NDF:557272.8/16
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 45.526+/-0.010 χ²/NDF:419374.3/15
+ sign 47.603+/-0.008 χ²/NDF: 2878202.6/32
All: 47.485+/-0.006 χ²/NDF: 5651486.1/66
- sign 47.367+/-0.008 χ²/NDF: 2772883.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/16

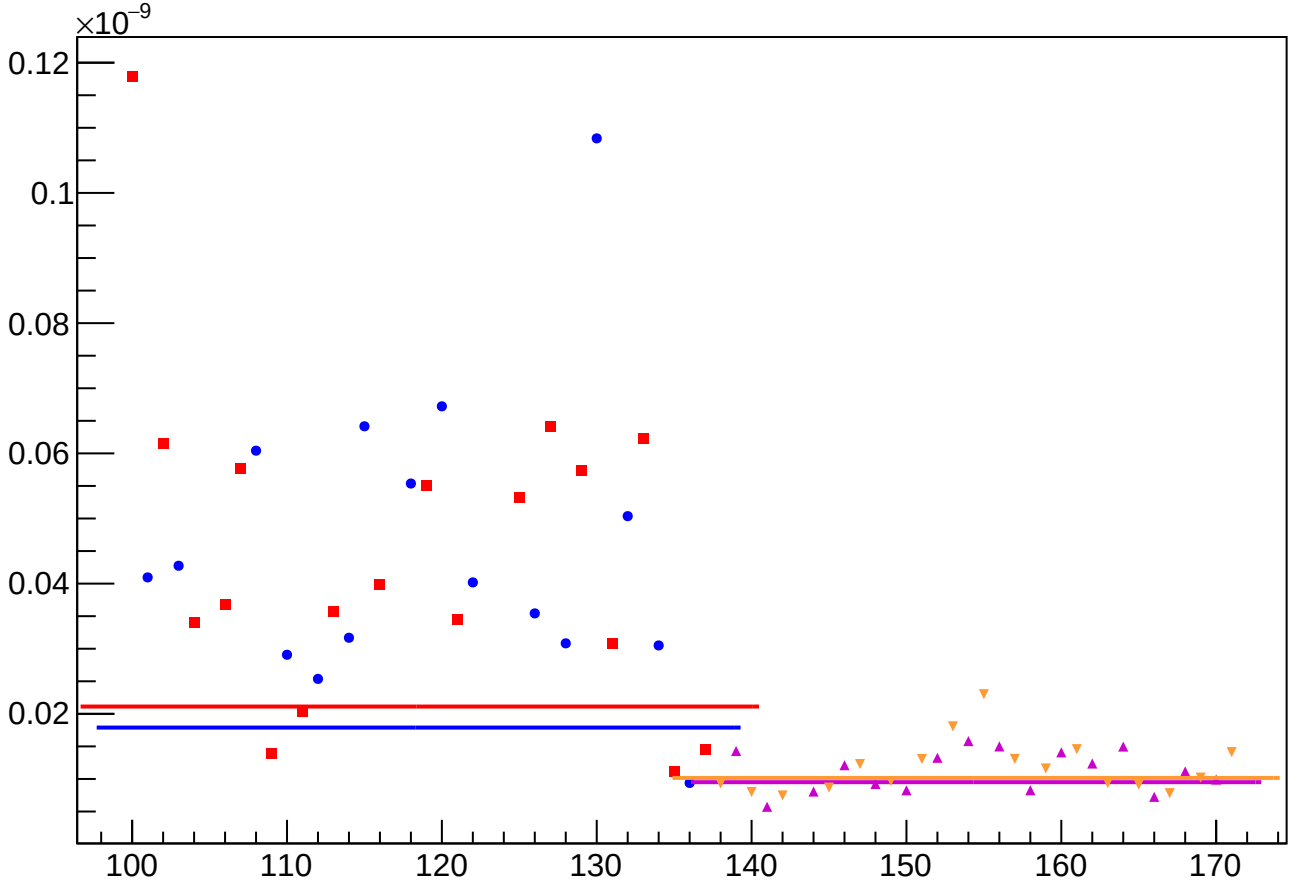
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:36.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/32

All: 0.000+/-0.000 χ^2/NDF: 97.3/66

- sign -0.000+/-0.000 χ^2/NDF: 56.2/33



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1213765.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

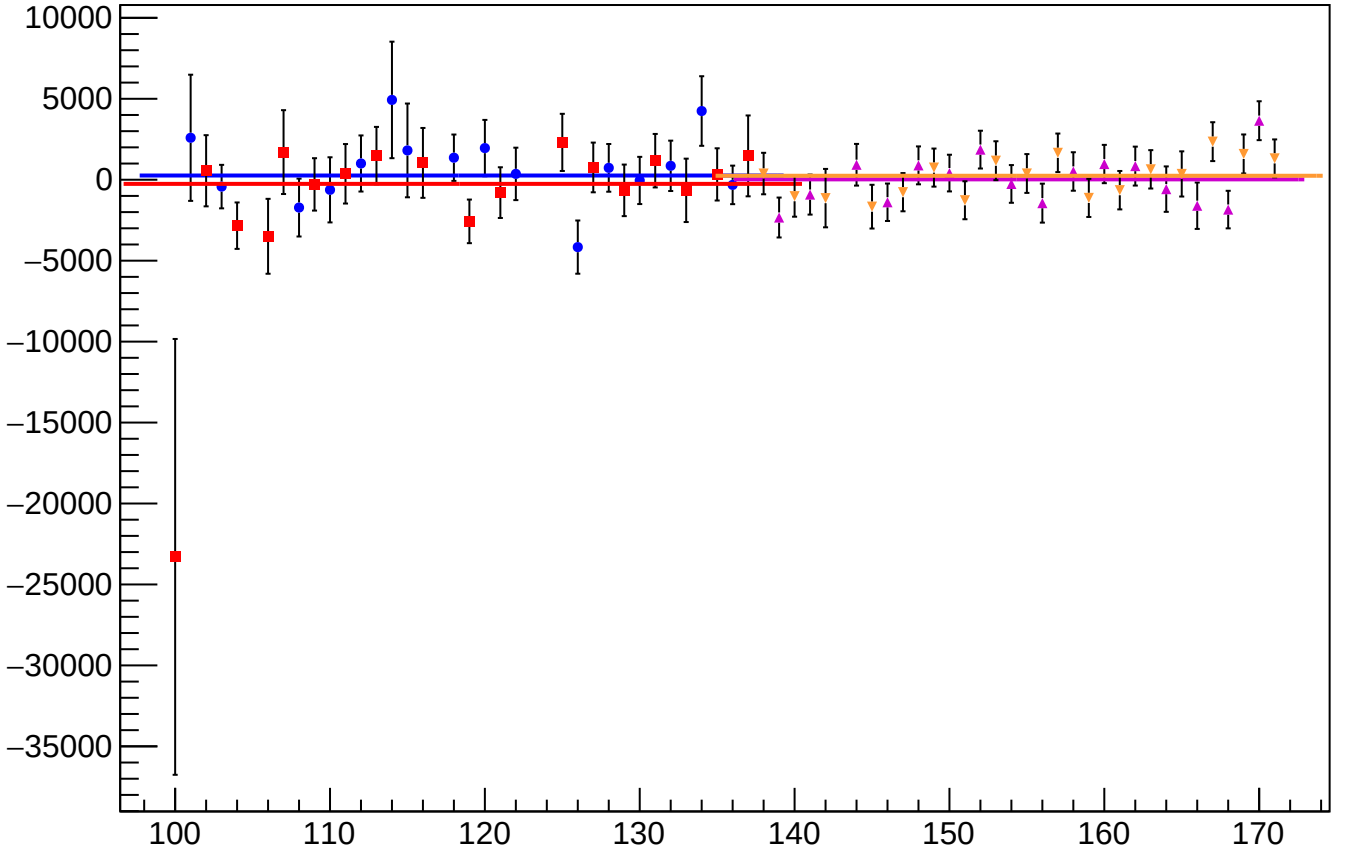
Left In: 0.000+/-0.000 χ^2/NDF:1527304.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 5459170.4/32

All: 0.000+/-0.000 χ^2/NDF: 11227355.8/66

- sign 0.000+/-0.000 χ^2/NDF: 5743418.5/33

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 245.466+/-299.896 χ^2/NDF:15.4/16

Right Out: -255.934+/-425.784 χ^2/NDF: 17.4/17

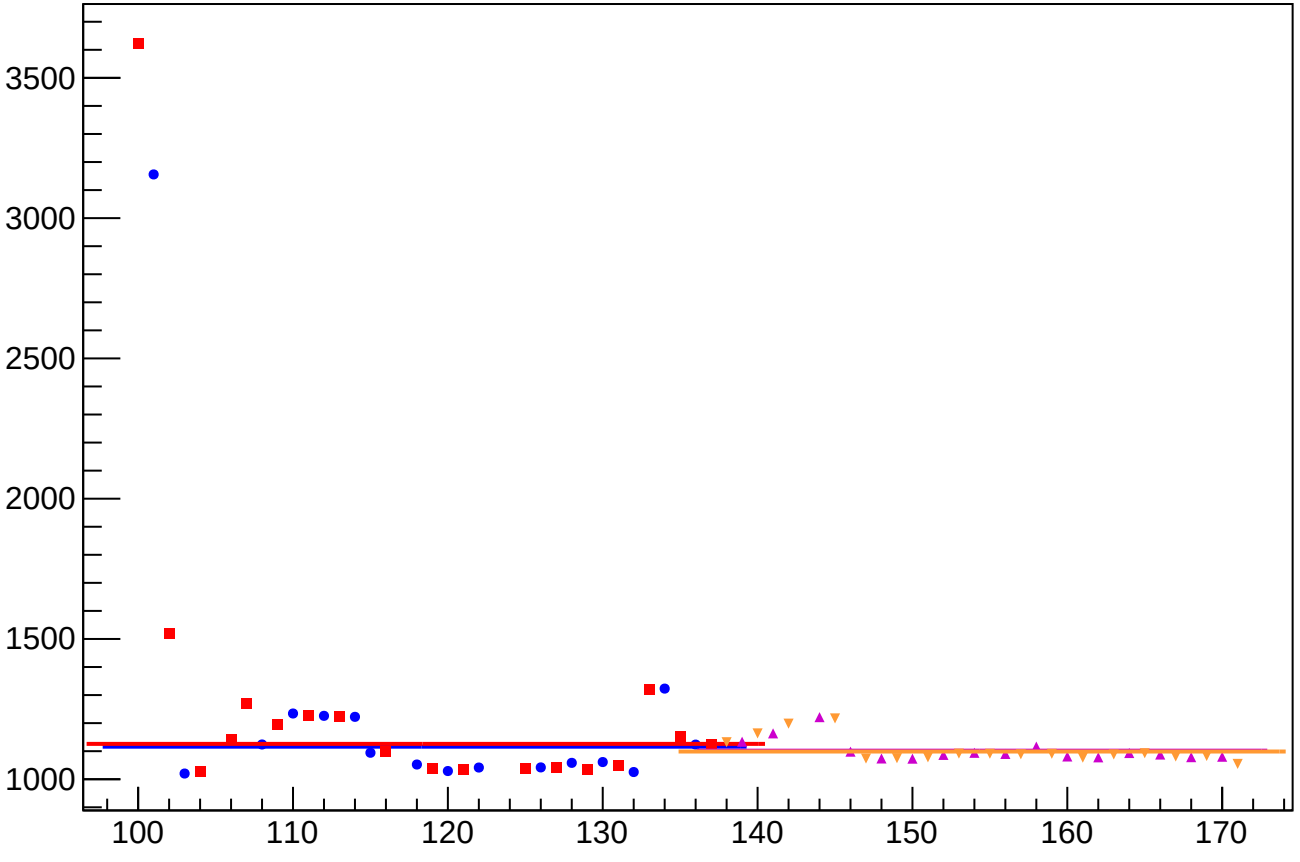
Left In: 22.212+/-303.204 χ^2/NDF:25.3/15

+ sign 250.568+/-244.968 χ^2/NDF: 32.3/32

All: 90.914+/-173.926 χ^2/NDF: 76.2/66

- sign -71.377+/-246.982 χ^2/NDF: 43.0/33

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1098.815+/-0.212 χ^2/NDF:35082.4/16

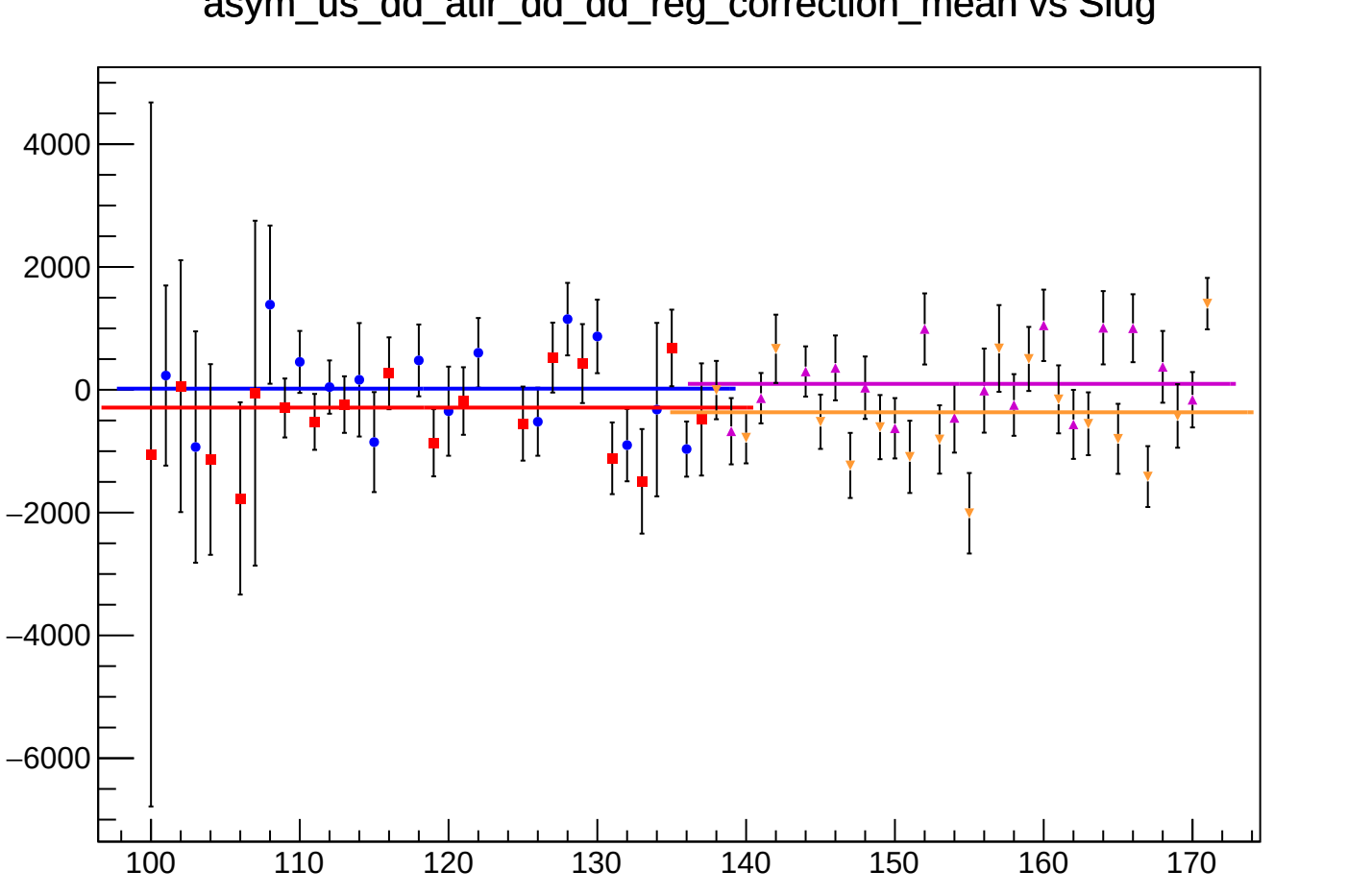
Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

\+ sign 1104.563+/-0.173 χ^2/NDF: 660681.5/32

All: 1107.247+/-0.123 χ^2/NDF: 917486.4/66

\- sign 1109.976+/-0.175 χ^2/NDF: 256320.7/33



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -366.315+/-125.478 χ^2/NDF:44.6/16

Right Out: -289.946+/-156.189 χ^2/NDF: 13.5/17

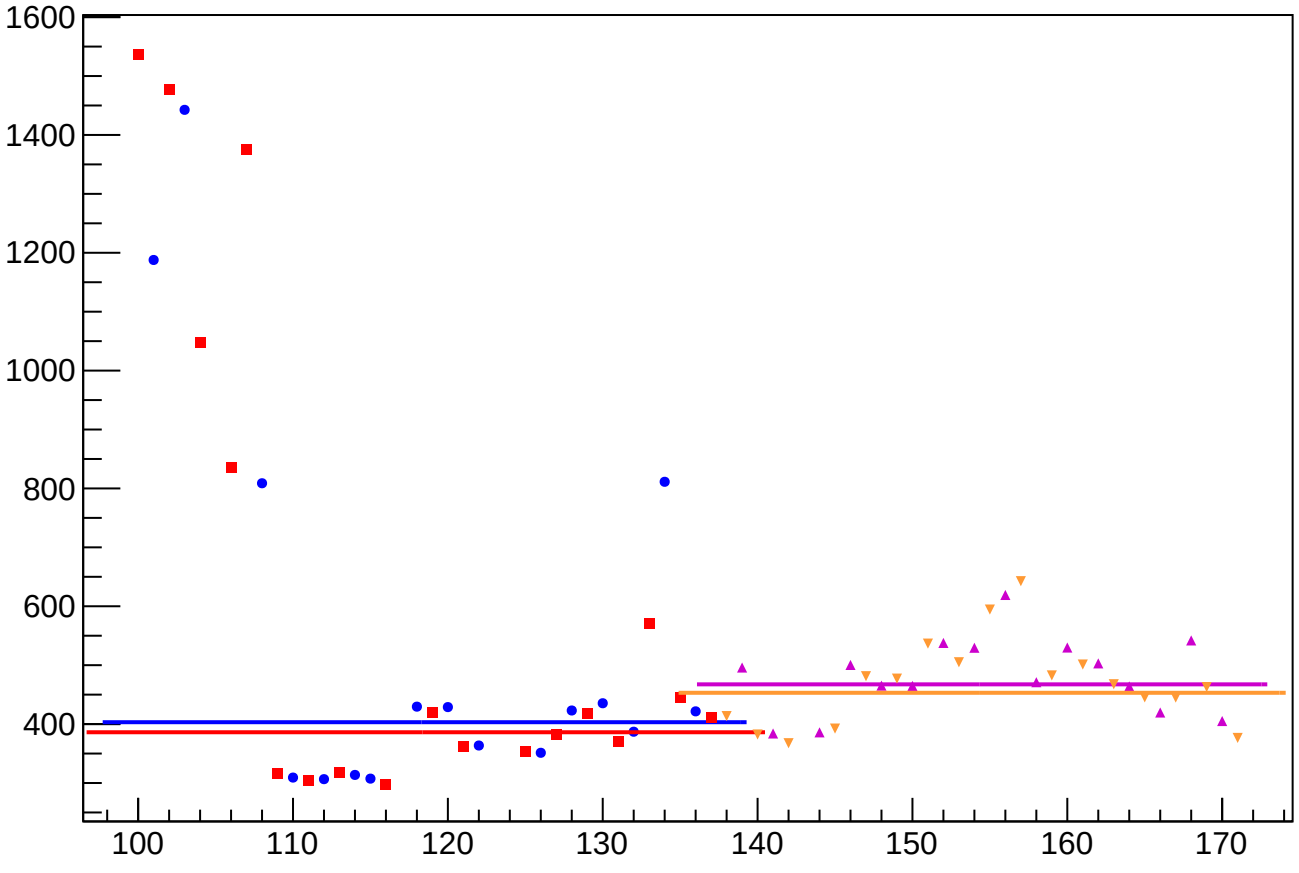
Left In: 96.418+/-129.967 χ^2/NDF:18.5/15

+ sign -221.178+/-99.025 χ^2/NDF: 67.3/32

All: -142.120+/-70.330 χ^2/NDF: 104.2/66

- sign -61.655+/-99.903 χ^2/NDF: 35.6/33

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 453.130+/-0.089 χ^2/NDF:552182.9/16

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

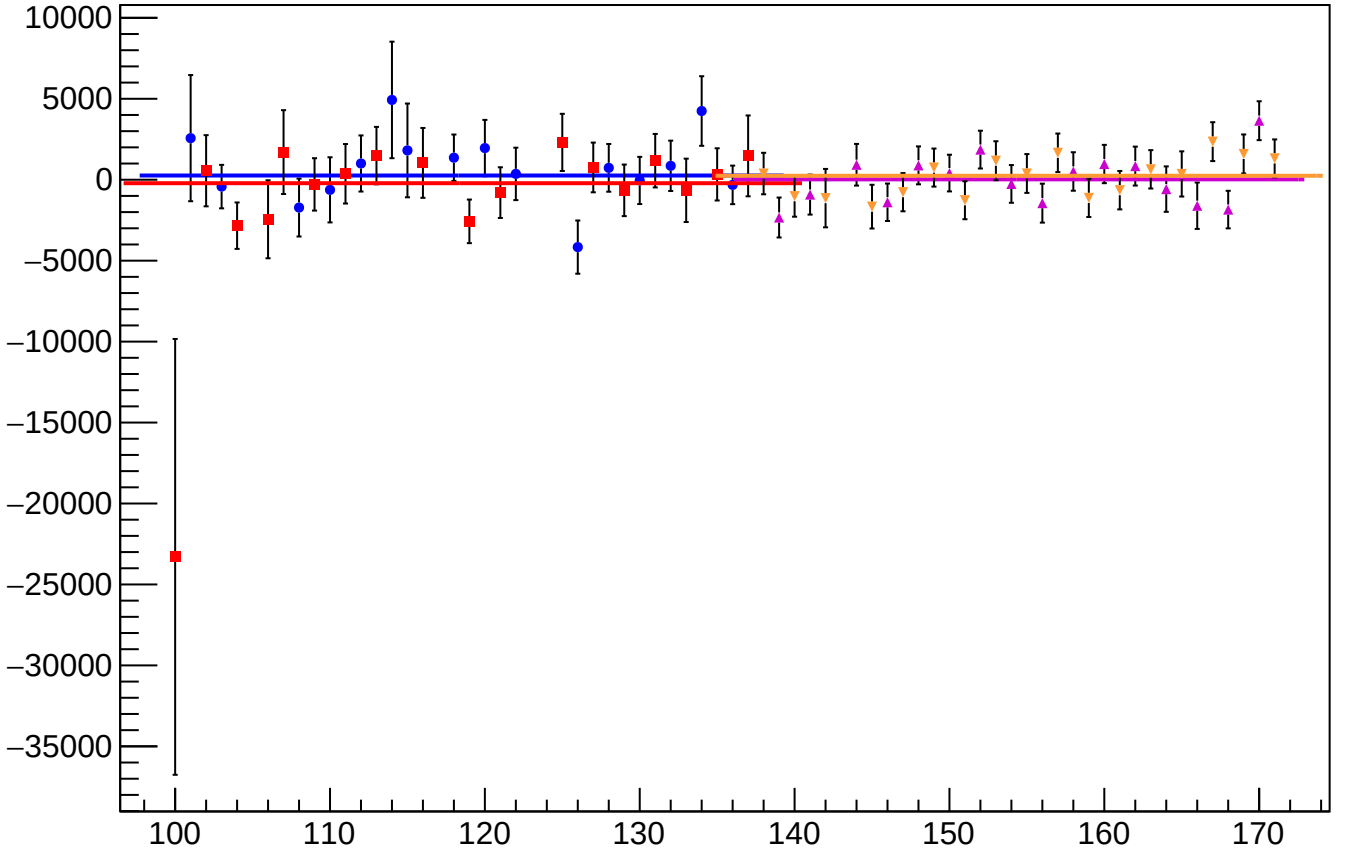
Left In: 467.454+/-0.092 χ^2/NDF:444280.0/15

+ sign 434.294+/-0.070 χ^2/NDF: 2480090.0/32

All: 434.242+/-0.050 χ^2/NDF: 5003732.3/66

- sign 434.188+/-0.071 χ^2/NDF: 2523641.2/33

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 245.432+/-299.896 χ^2/NDF:15.4/16

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

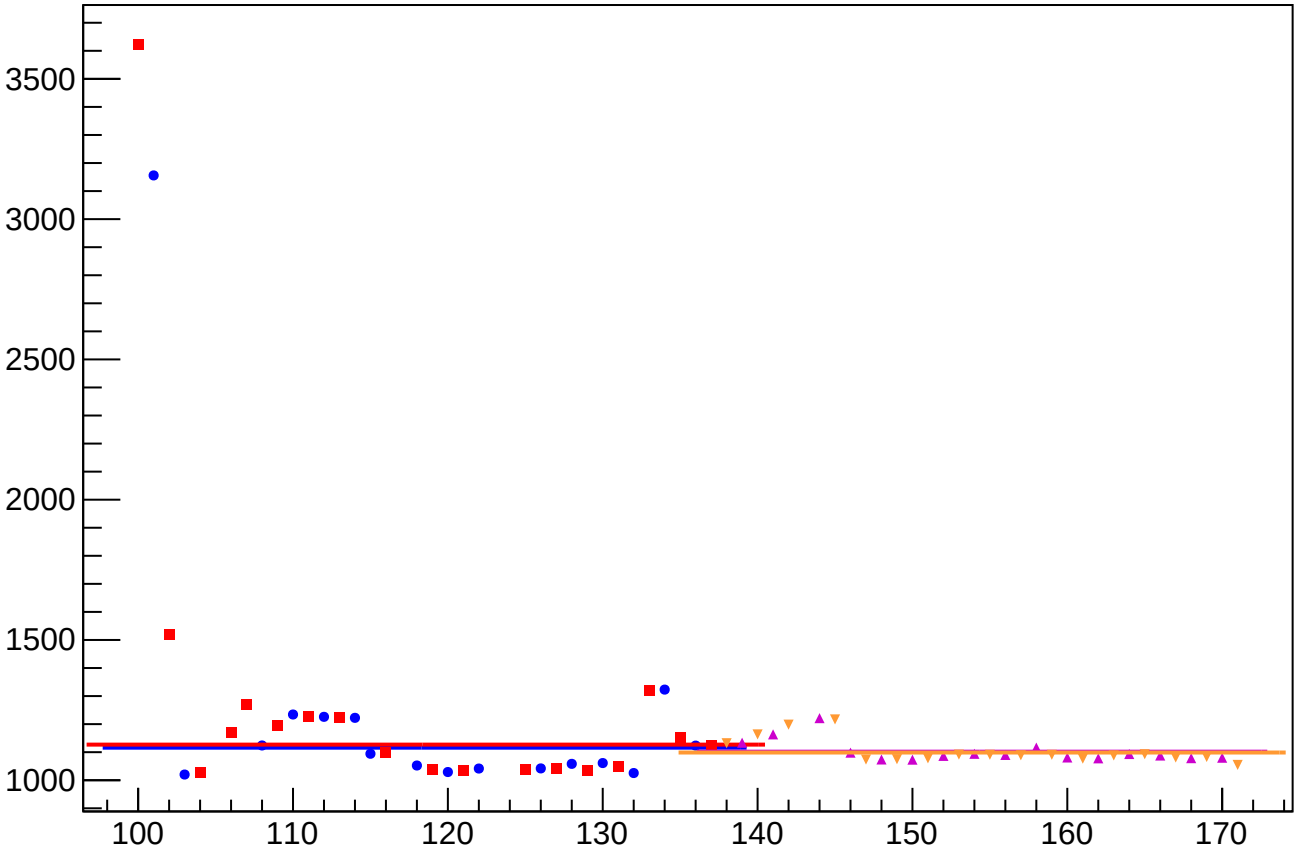
Left In: 22.192+/-303.204 χ^2/NDF:25.3/15

+ sign 250.418+/-244.968 χ^2/NDF: 32.3/32

All: 97.881+/-173.964 χ^2/NDF: 74.9/66

- sign -57.311+/-247.090 χ^2/NDF: 41.8/33

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1098.815+/-0.212 χ^2/NDF:35082.4/16

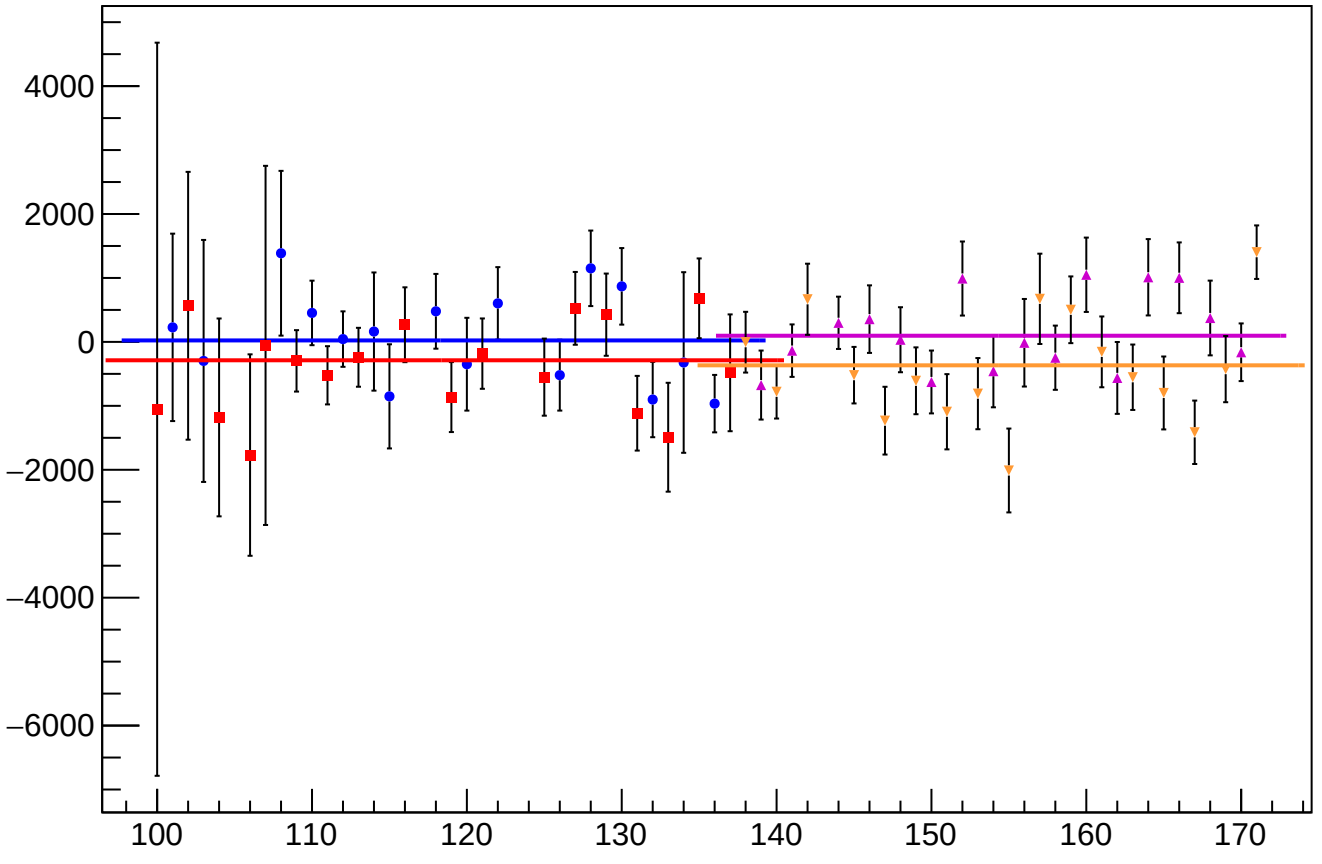
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

+ sign 1104.563+/-0.173 χ^2/NDF: 660682.4/32

All: 1107.396+/-0.123 χ^2/NDF: 918509.9/66

- sign 1110.279+/-0.175 χ^2/NDF: 257287.8/33



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -366.379+/-125.478 χ^2/NDF:44.6/16

Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

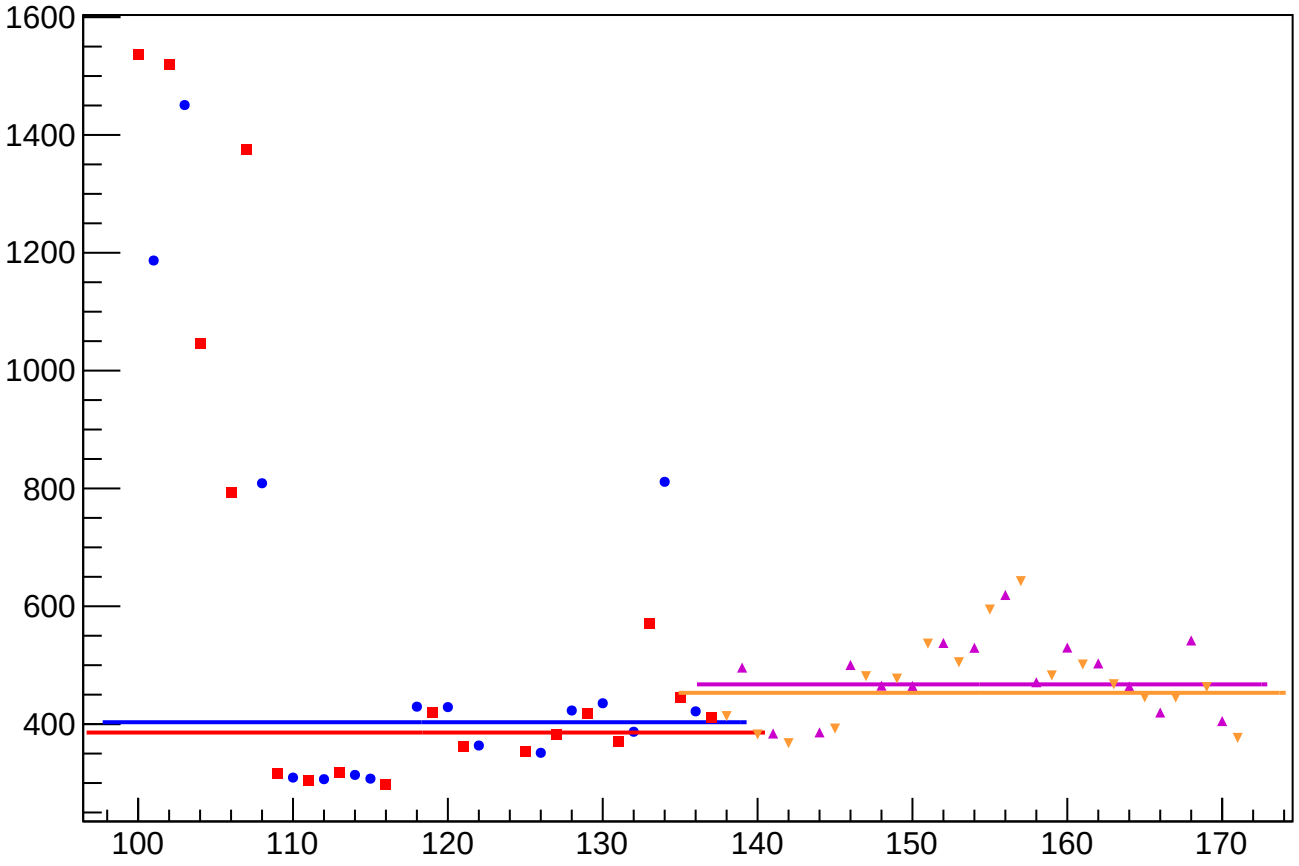
Left In: 96.396+/-129.967 χ^2/NDF:18.5/15

\+ sign -219.539+/-99.025 χ^2/NDF: 67.2/32

All: -140.818+/-70.332 χ^2/NDF: 104.2/66

\- sign -60.685+/-99.909 χ^2/NDF: 35.7/33

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 453.128+/-0.089 χ^2/NDF:552205.4/16

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

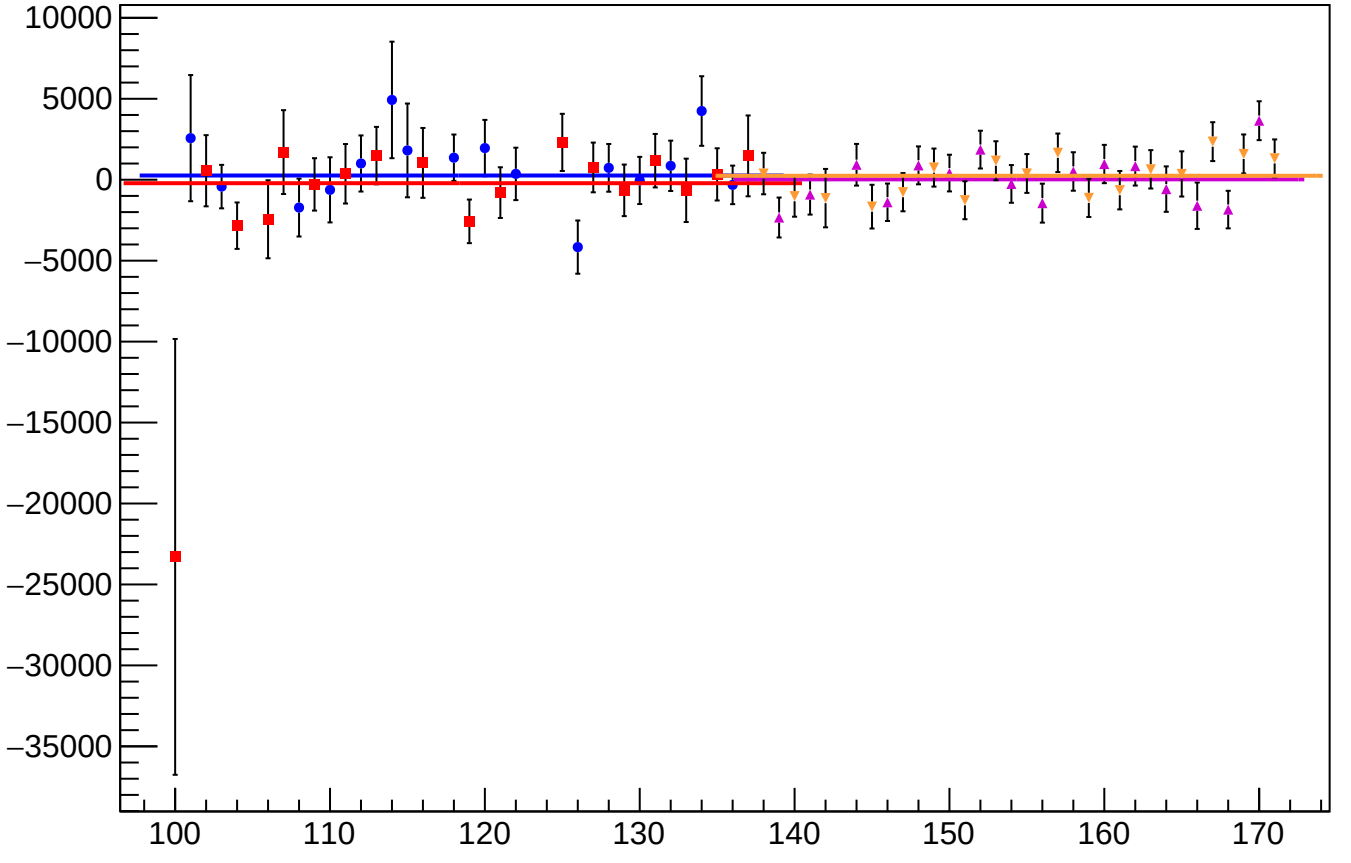
Left In: 467.452+/-0.092 χ^2/NDF:444240.2/15

+ sign 434.289+/-0.070 χ^2/NDF: 2483838.3/32

All: 434.147+/-0.050 χ^2/NDF: 4999086.0/66

- sign 434.003+/-0.071 χ^2/NDF: 2515239.4/33

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: 245.432+/-299.896 χ^2/NDF:15.4/16

Right Out: -214.501+/-426.342 χ^2/NDF: 16.2/17

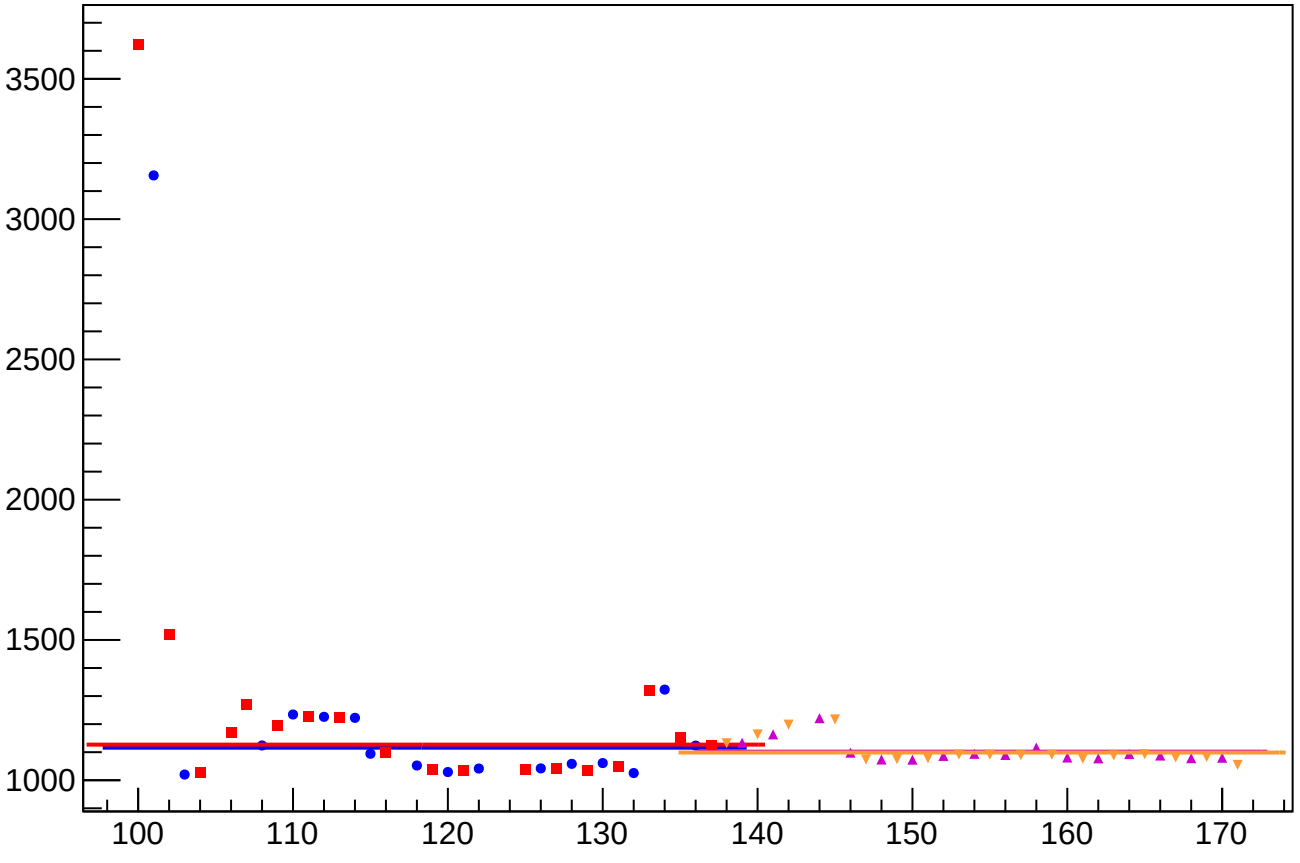
Left In: 22.192+/-303.204 χ^2/NDF:25.3/15

+ sign 250.418+/-244.968 χ^2/NDF: 32.3/32

All: 97.881+/-173.964 χ^2/NDF: 74.9/66

- sign -57.311+/-247.090 χ^2/NDF: 41.8/33

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: 1098.815+/-0.212 χ^2/NDF:35082.4/16

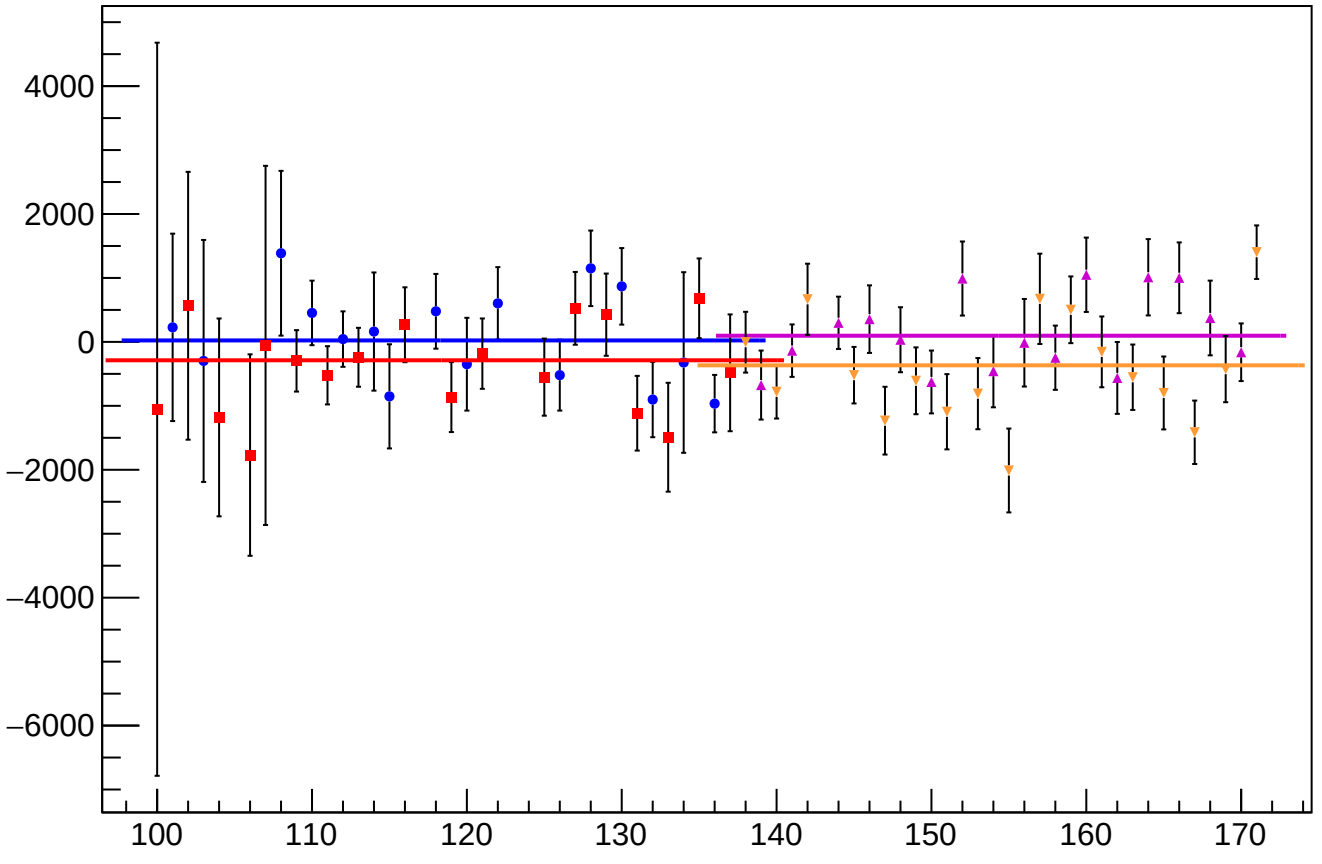
Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1101.842+/-0.214 χ^2/NDF:29937.1/15

+ sign 1104.563+/-0.173 χ^2/NDF: 660682.4/32

All: 1107.396+/-0.123 χ^2/NDF: 918509.9/66

- sign 1110.279+/-0.175 χ^2/NDF: 257287.8/33



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -366.379+/-125.478 χ^2/NDF:44.6/16

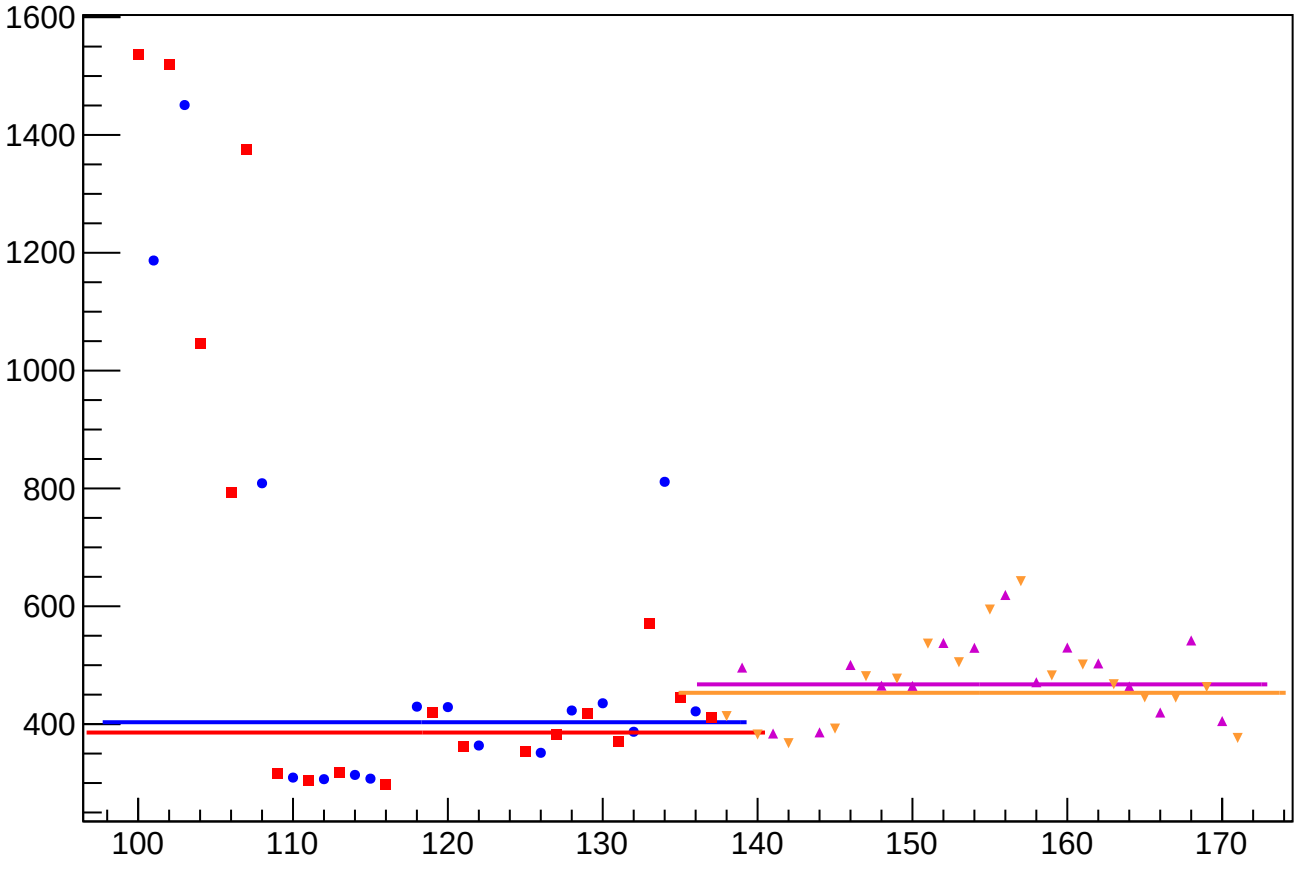
Right Out: -287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 96.396+/-129.967 χ^2/NDF:18.5/15

\+ sign -219.539+/-99.025 χ^2/NDF: 67.2/32

All: -140.818+/-70.332 χ^2/NDF: 104.2/66

\- sign -60.685+/-99.909 χ^2/NDF: 35.7/33



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 453.128+/-0.089 χ^2/NDF:552205.4/16

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

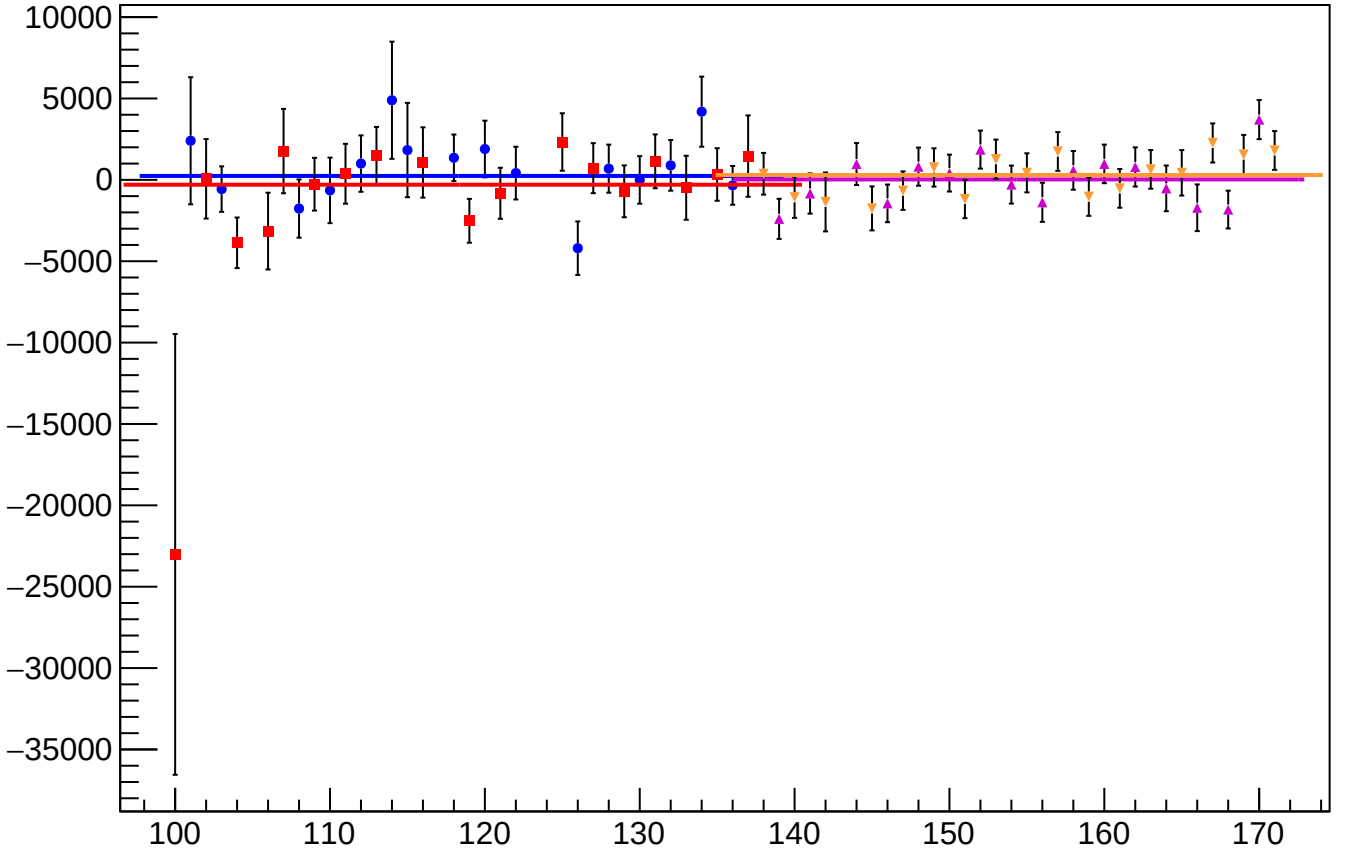
Left In: 467.452+/-0.092 χ^2/NDF:444240.2/15

+ sign 434.289+/-0.070 χ^2/NDF: 2483838.3/32

All: 434.147+/-0.050 χ^2/NDF: 4999086.0/66

- sign 434.003+/-0.071 χ^2/NDF: 2515239.4/33

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.210+/-300.562 χ^2/NDF:16.1/16

Right Out: -298.921+/-430.767 χ^2/NDF: 18.7/17

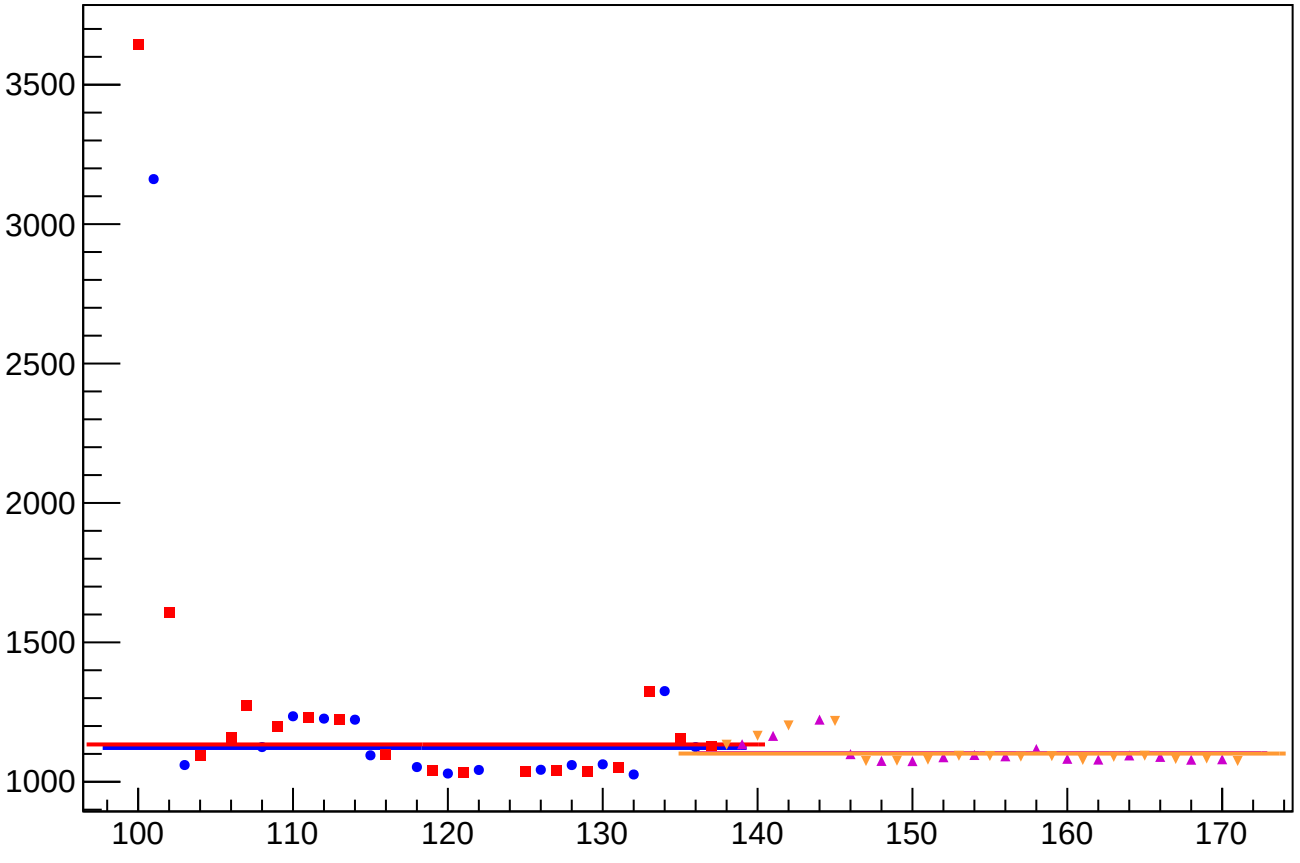
Left In: 24.208+/-303.525 χ^2/NDF:25.7/15

+ sign 278.506+/-245.702 χ^2/NDF: 33.0/32

All: 99.524+/-174.586 χ^2/NDF: 78.9/66

- sign -82.995+/-248.118 χ^2/NDF: 44.8/33

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.288+/-0.213 χ^2/NDF:33545.0/16

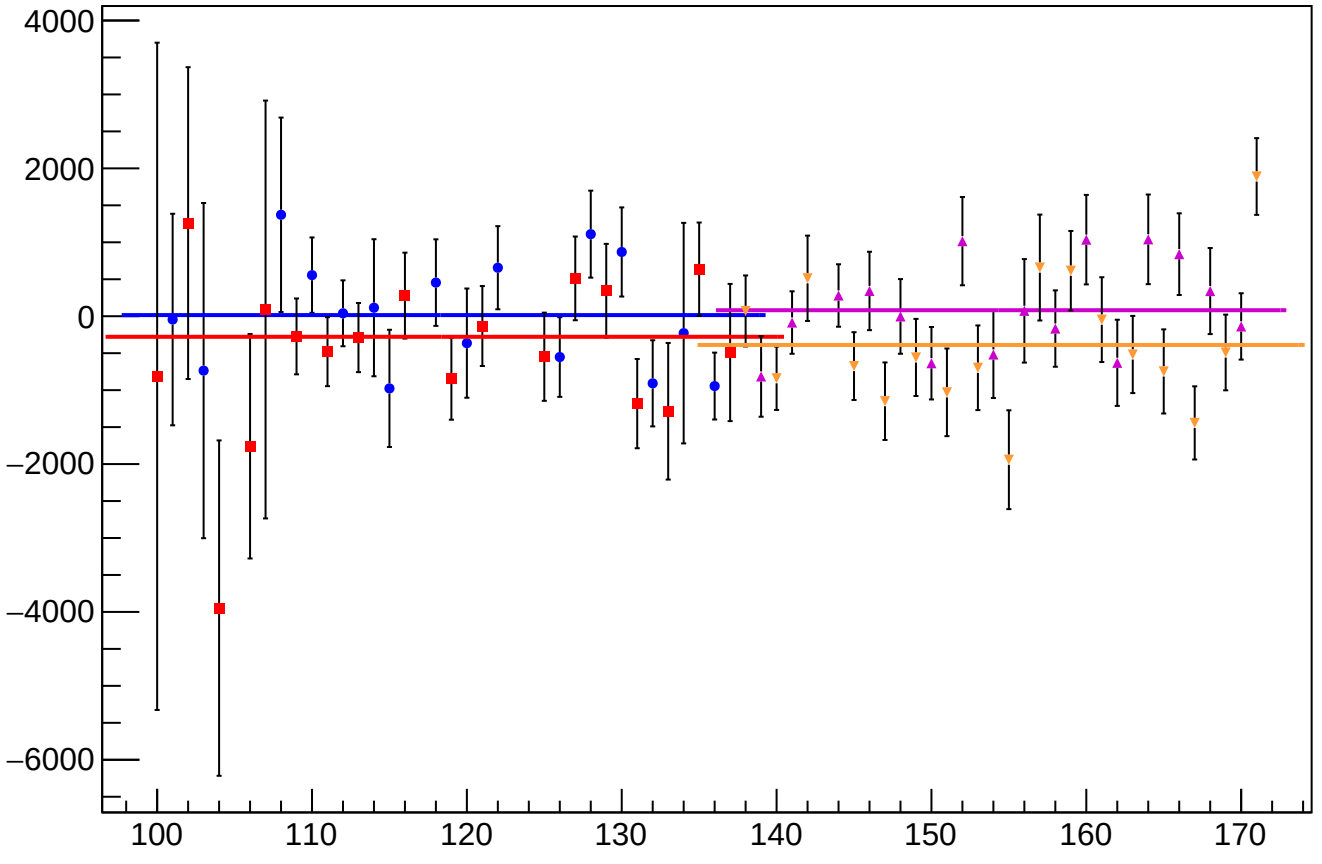
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1103.001+/-0.215 χ^2/NDF:30058.2/15

+ sign 1107.924+/-0.174 χ^2/NDF: 653513.0/32

All: 1110.567+/-0.123 χ^2/NDF: 918384.8/66

- sign 1113.262+/-0.175 χ^2/NDF: 264404.5/33



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -388.522+/-129.313 χ^2/NDF:44.2/16

Right Out: -278.251+/-158.828 χ^2/NDF: 15.1/17

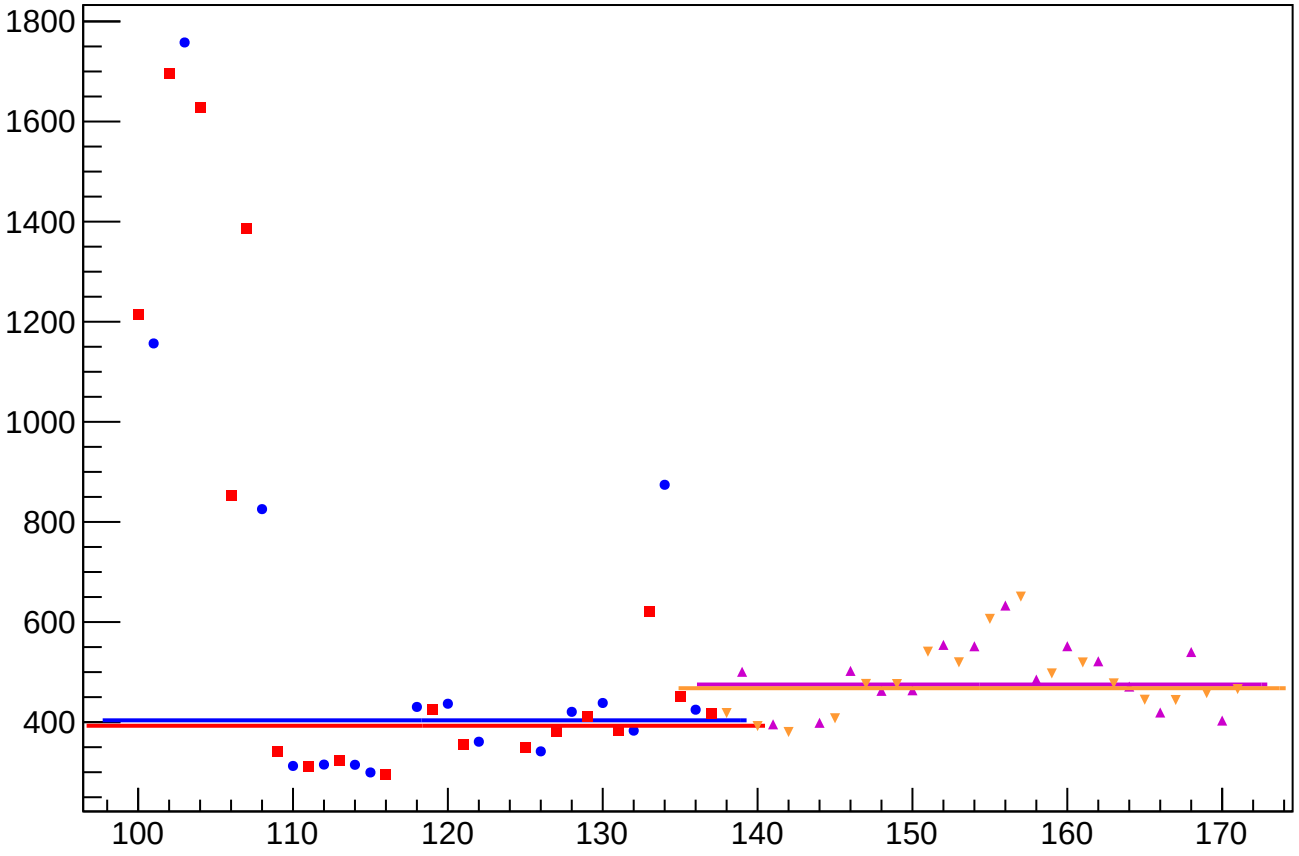
Left In: 81.145+/-132.133 χ^2/NDF:18.0/15

+ sign -231.179+/-101.026 χ^2/NDF: 67.6/32

All: -148.967+/-71.630 χ^2/NDF: 105.1/66

- sign -65.854+/-101.577 χ^2/NDF: 36.1/33

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 467.813+/-0.091 χ^2/NDF:459457.7/16

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

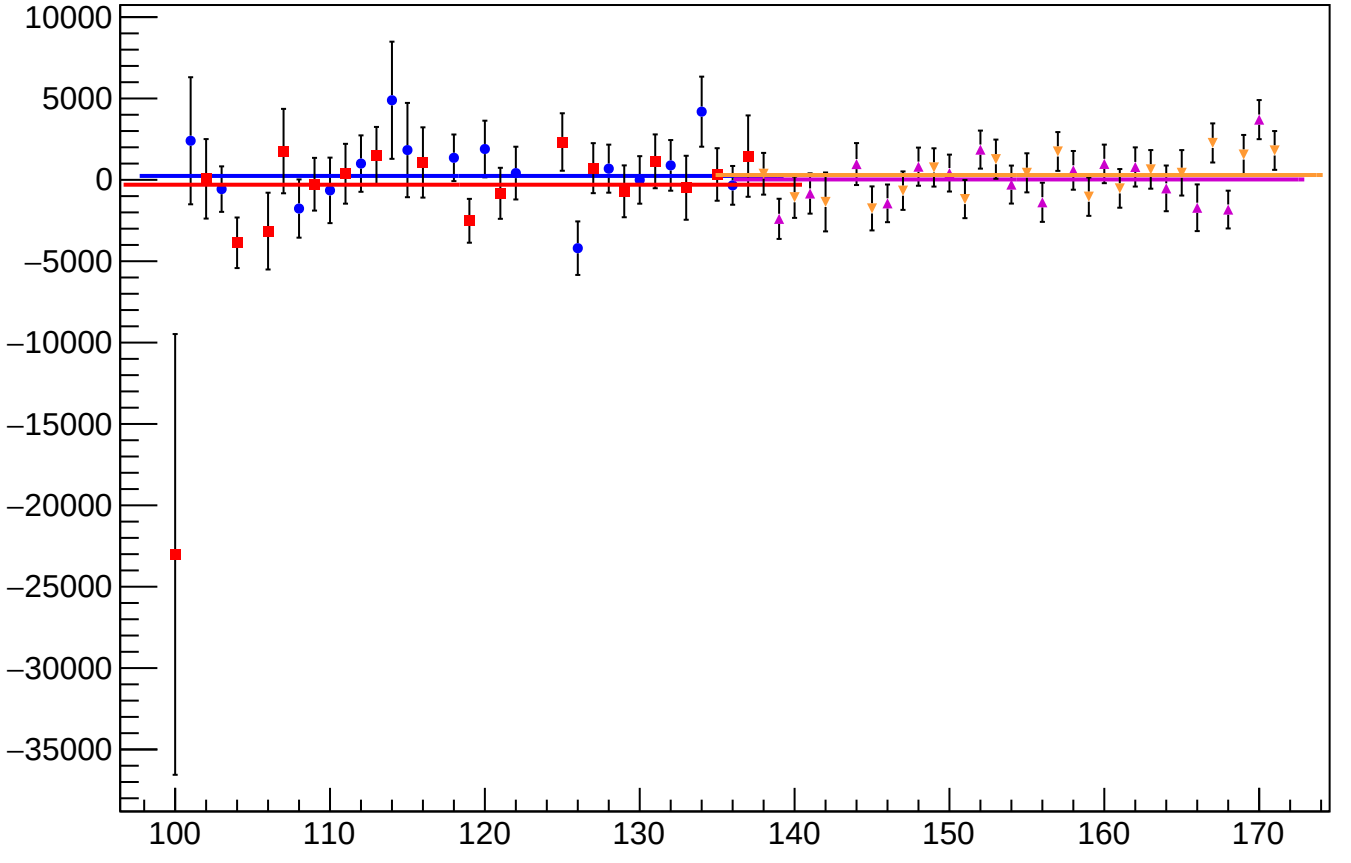
Left In: 475.189+/-0.093 χ^2/NDF:461232.0/15

+ sign 442.814+/-0.071 χ^2/NDF: 2580877.9/32

All: 442.160+/-0.051 χ^2/NDF: 5563625.5/66

- sign 441.499+/-0.072 χ^2/NDF: 2982578.9/33

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: 297.206+/-300.562 χ^2/NDF:16.1/16

Right Out: -298.922+/-430.767 χ^2/NDF: 18.7/17

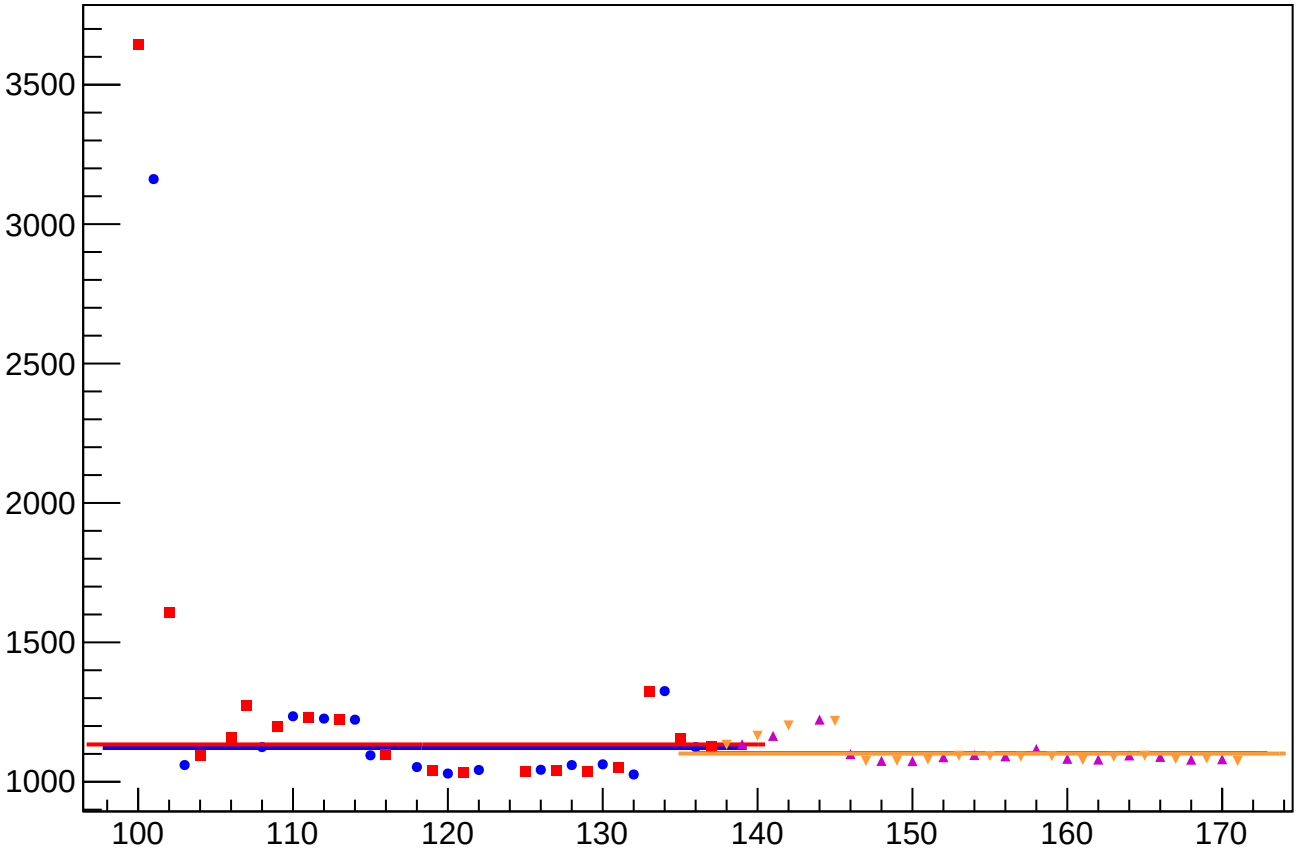
Left In: 24.207+/-303.525 χ^2/NDF:25.7/15

+ sign 278.504+/-245.702 χ^2/NDF: 33.0/32

All: 99.522+/-174.586 χ^2/NDF: 78.9/66

- sign -82.996+/-248.118 χ^2/NDF: 44.8/33

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: 1101.288+/-0.213 χ^2/NDF:33545.2/16

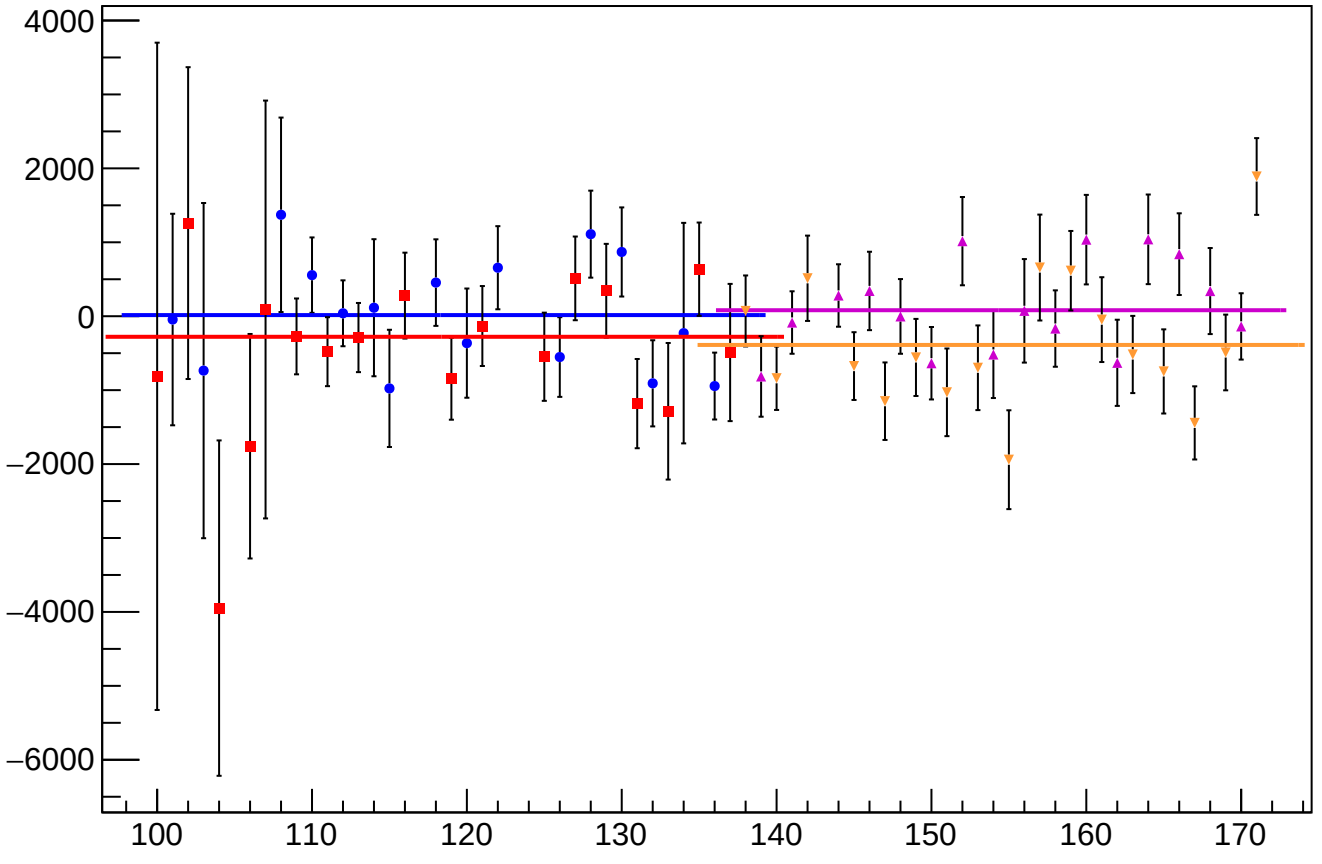
Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1103.002+/-0.215 χ^2/NDF:30058.2/15

+ sign 1107.924+/-0.174 χ^2/NDF: 653513.2/32

All: 1110.567+/-0.123 χ^2/NDF: 918385.1/66

- sign 1113.262+/-0.175 χ^2/NDF: 264404.6/33



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -388.523+/-129.313 χ^2/NDF:44.2/16

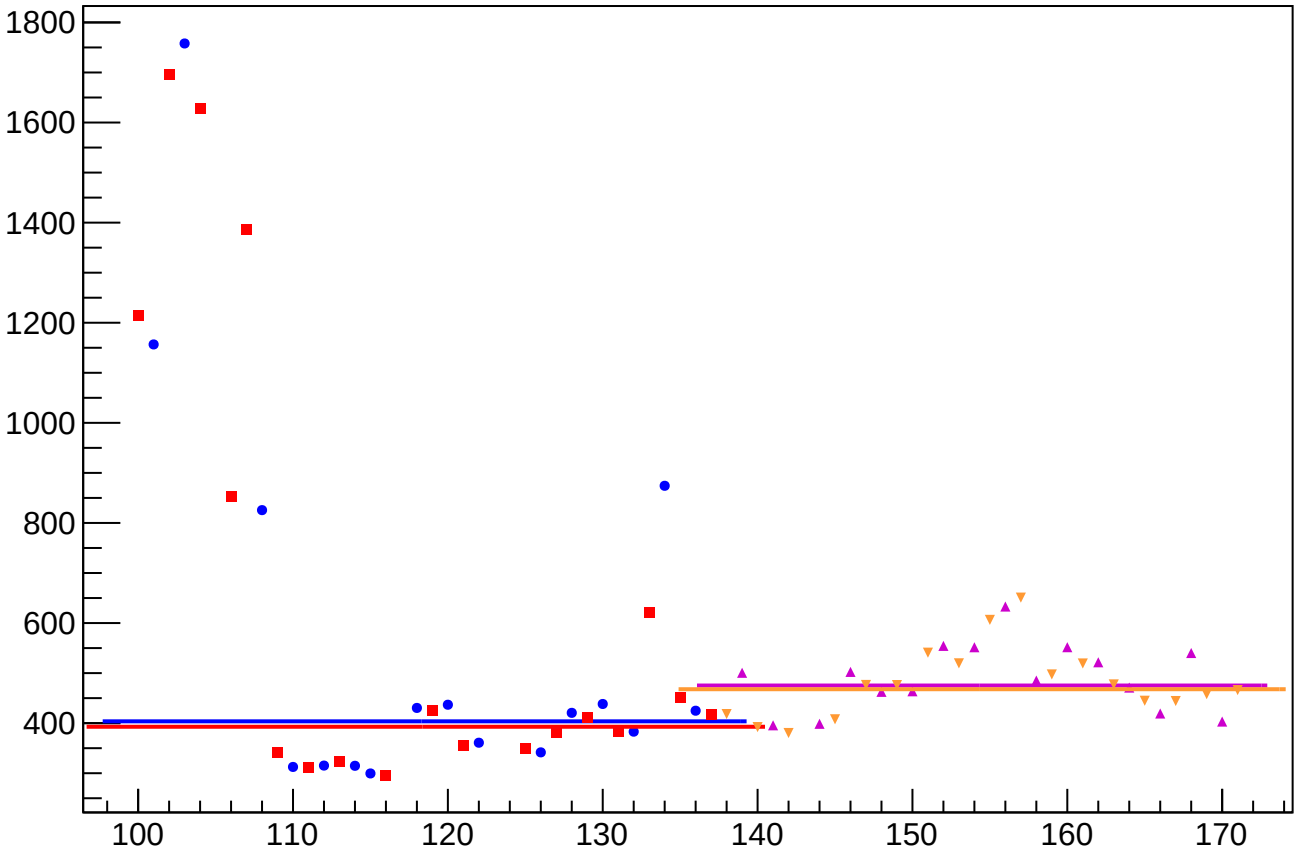
Right Out: -278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 81.146+/-132.133 χ^2/NDF:18.0/15

+ sign -231.180+/-101.026 χ^2/NDF: 67.6/32

All: -148.967+/-71.630 χ^2/NDF: 105.1/66

- sign -65.855+/-101.577 χ^2/NDF: 36.1/33



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 467.813+/-0.091 χ^2/NDF:459480.7/16

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

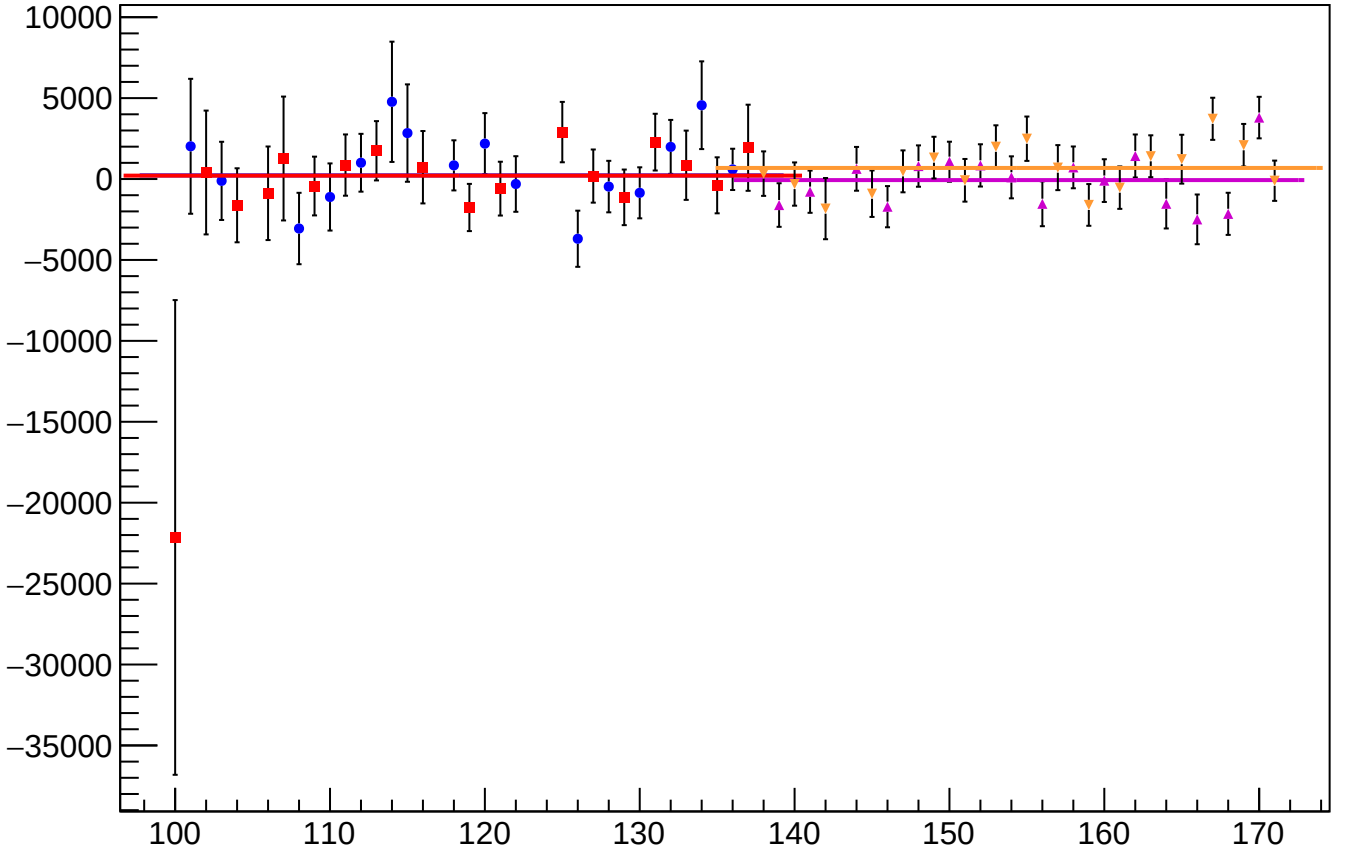
Left In: 475.190+/-0.093 χ^2/NDF:461240.8/15

+ sign 442.813+/-0.071 χ^2/NDF: 2580917.0/32

All: 442.159+/-0.051 χ^2/NDF: 5563714.0/66

- sign 441.498+/-0.072 χ^2/NDF: 2982628.5/33

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 685.271+/-328.234 χ^2/NDF:18.4/16

Right Out: 209.751+/-477.820 χ^2/NDF: 11.0/17

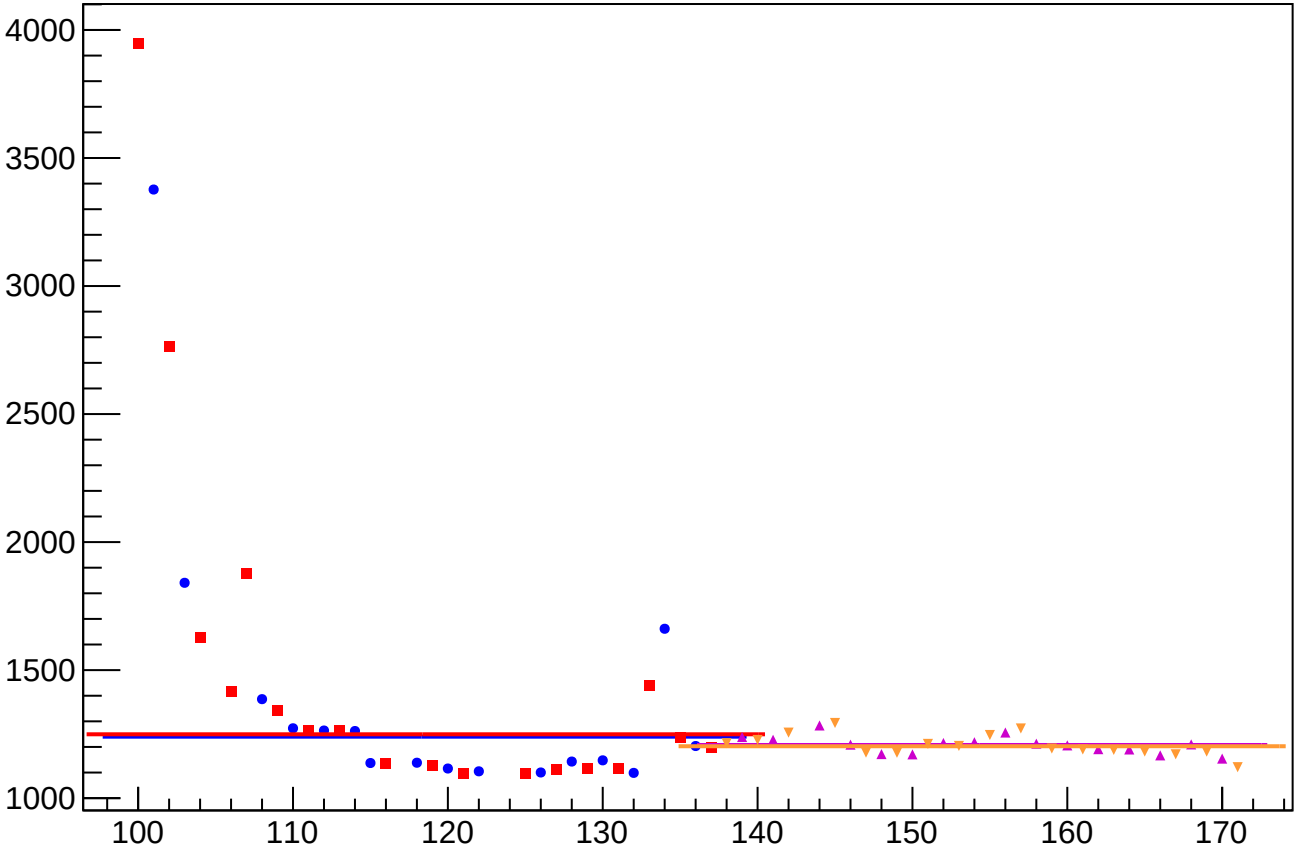
Left In: -65.689+/-332.261 χ^2/NDF:23.1/15

+ sign 536.272+/-269.953 χ^2/NDF: 35.1/32

All: 282.857+/-191.881 χ^2/NDF: 71.2/66

- sign 24.087+/-272.791 χ^2/NDF: 34.3/33

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1202.729+/-0.232 χ^2/NDF:30324.1/16

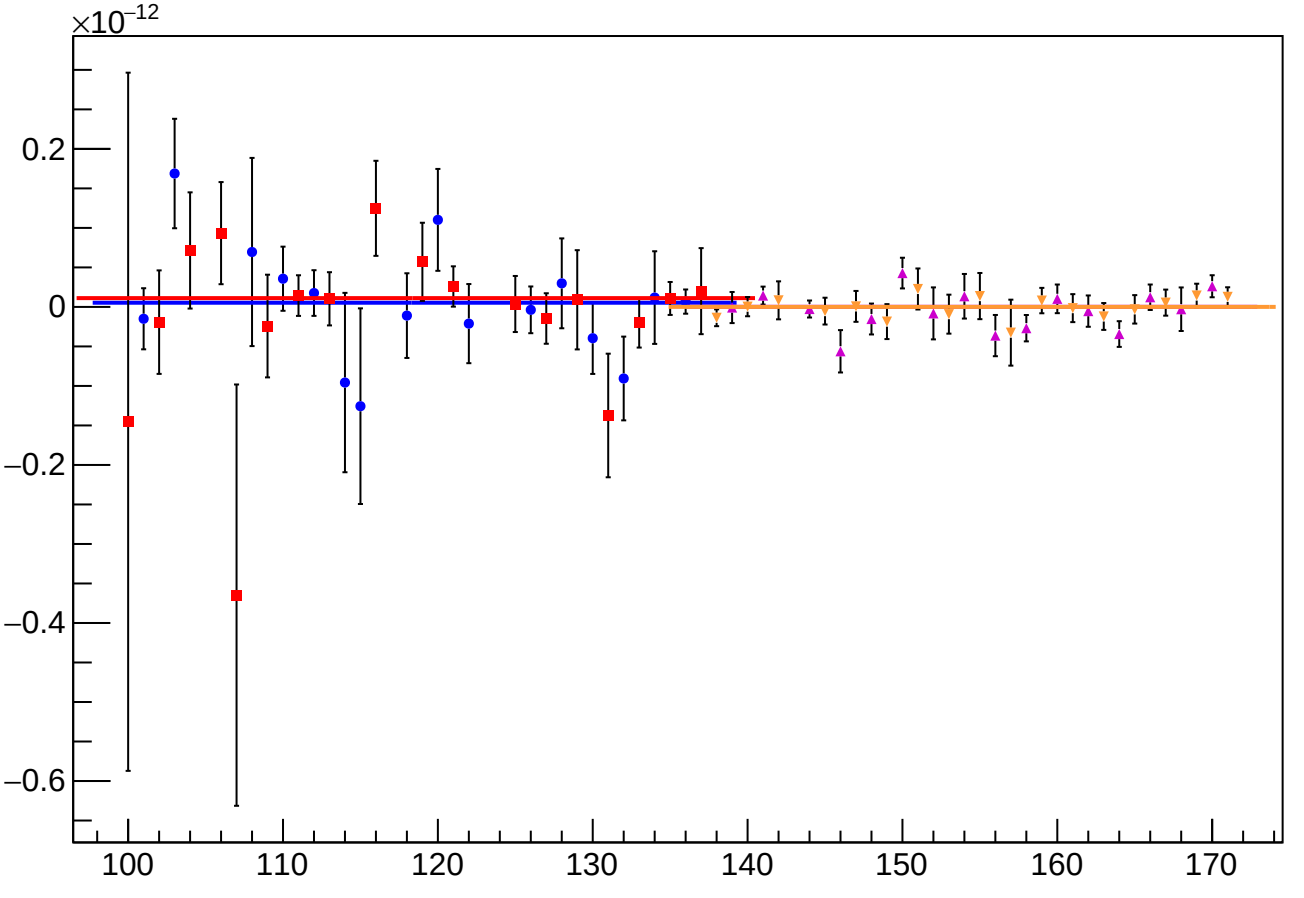
Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1207.620+/-0.235 χ^2/NDF:19309.6/15

+ sign 1214.835+/-0.191 χ^2/NDF: 821411.2/32

All: 1218.004+/-0.136 χ^2/NDF: 1457689.6/66

- sign 1221.241+/-0.193 χ^2/NDF: 635721.0/33



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/16

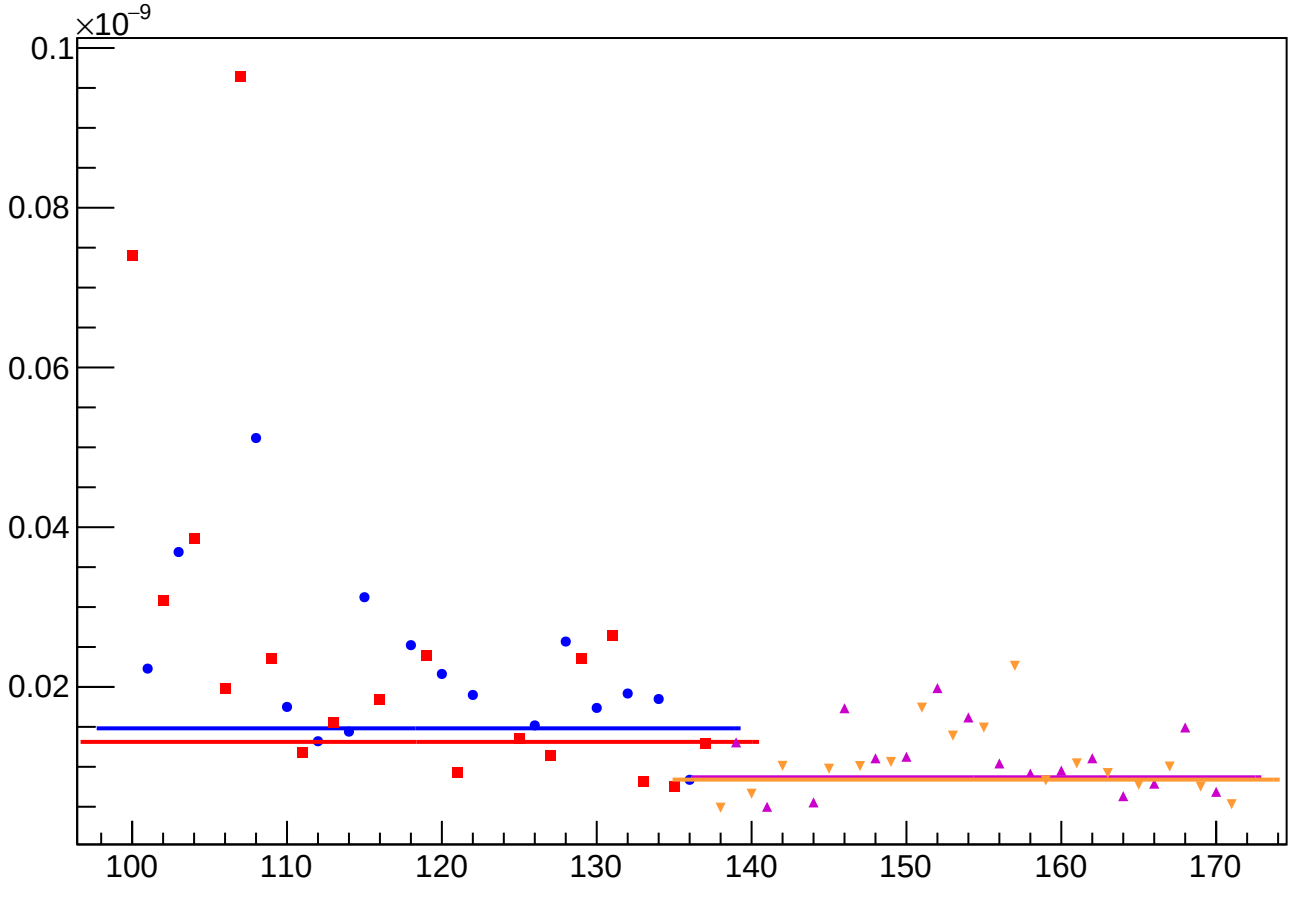
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left In: 0.000+/-0.000 χ^2/NDF:25.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 23.9/32

All: 0.000+/-0.000 χ^2/NDF: 65.4/66

- sign 0.000+/-0.000 χ^2/NDF: 41.5/33



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181704.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

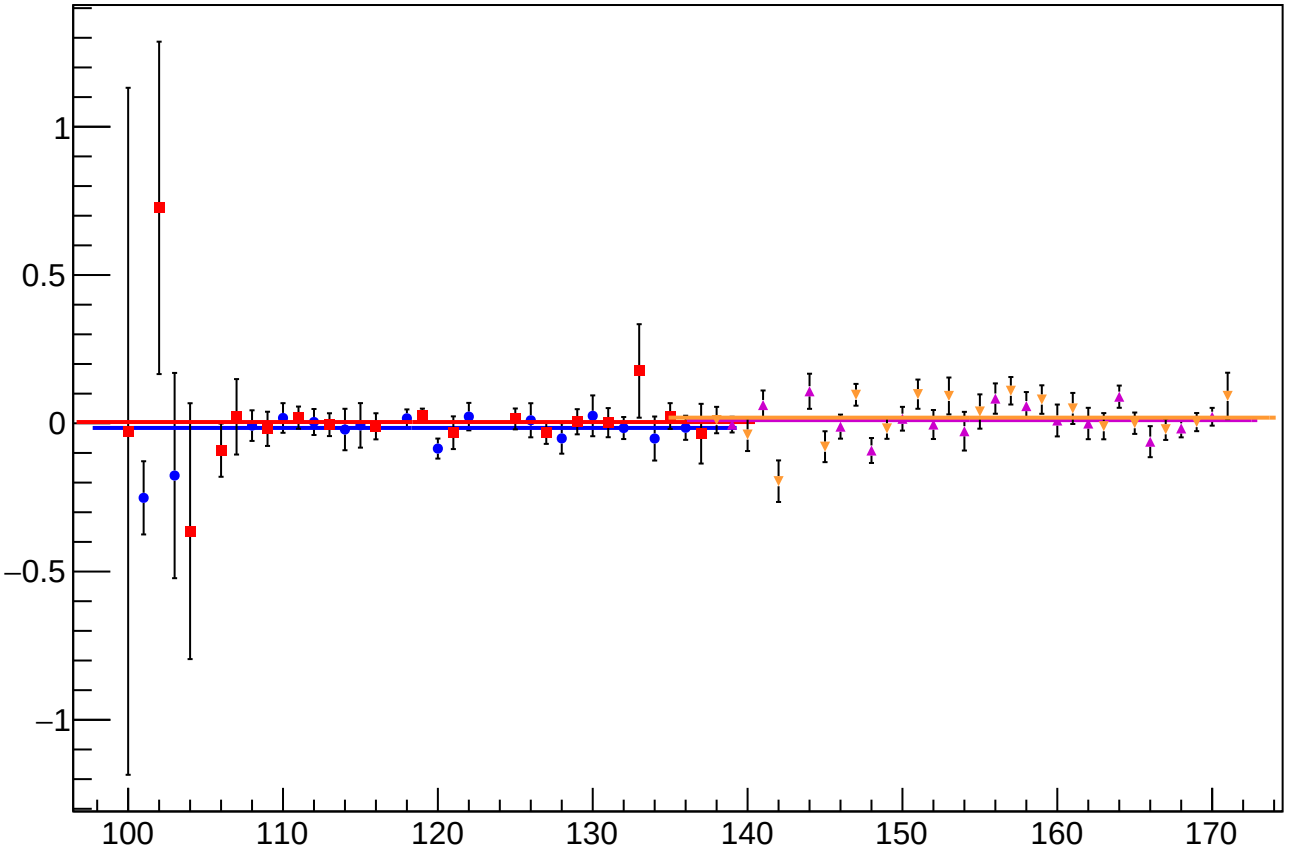
Left In: 0.000+/-0.000 χ^2/NDF:1353436.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 3012199.9/32

All: 0.000+/-0.000 χ^2/NDF: 5915770.2/66

- sign 0.000+/-0.000 χ^2/NDF: 2903009.3/33

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: 0.019+/-0.011 χ^2/NDF:32.3/16

Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

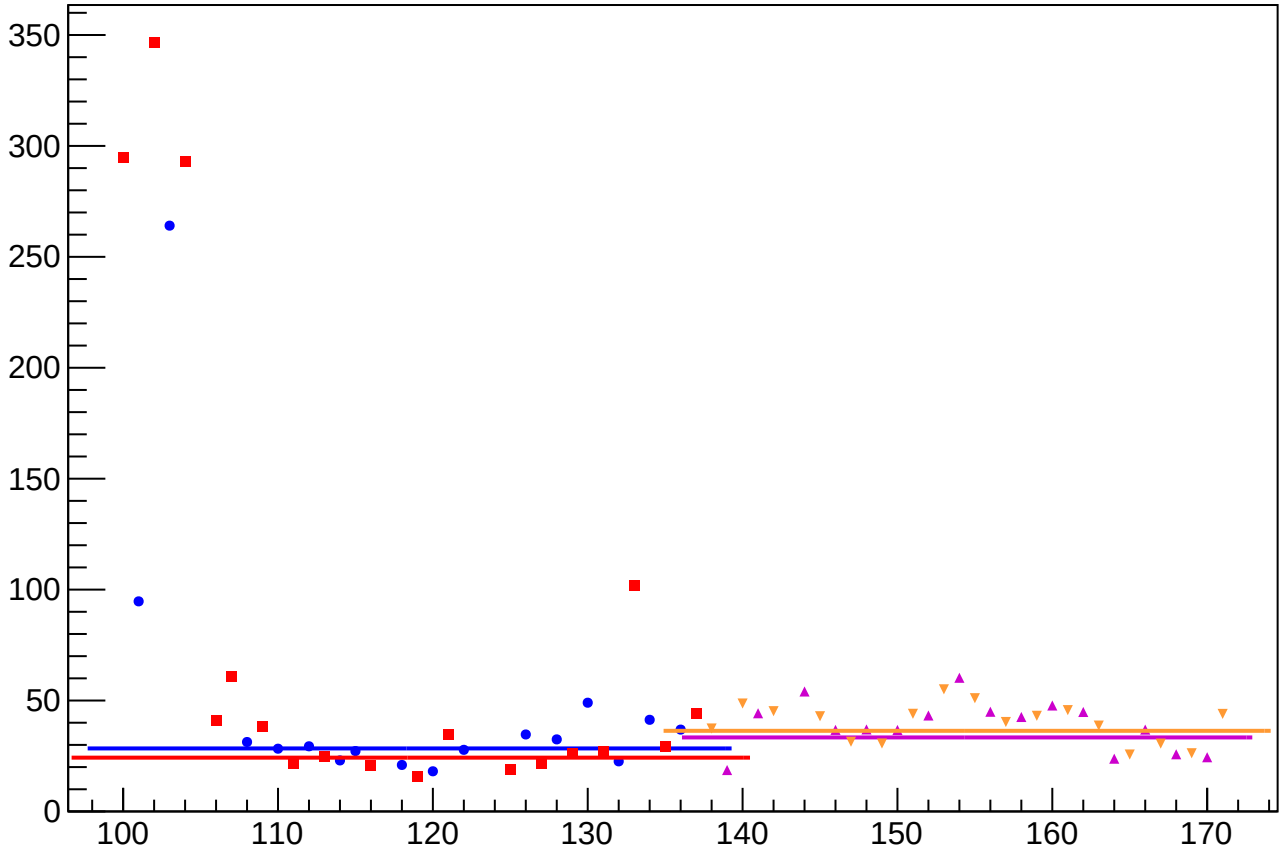
Left In: 0.011+/-0.010 χ^2/NDF:21.2/15

+ sign 0.004+/-0.008 χ^2/NDF: 48.7/32

All: 0.006+/-0.006 χ^2/NDF: 78.1/66

- sign 0.008+/-0.008 χ^2/NDF: 29.2/33

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: 36.349+/-0.008 χ^2/NDF:1198695.3/16

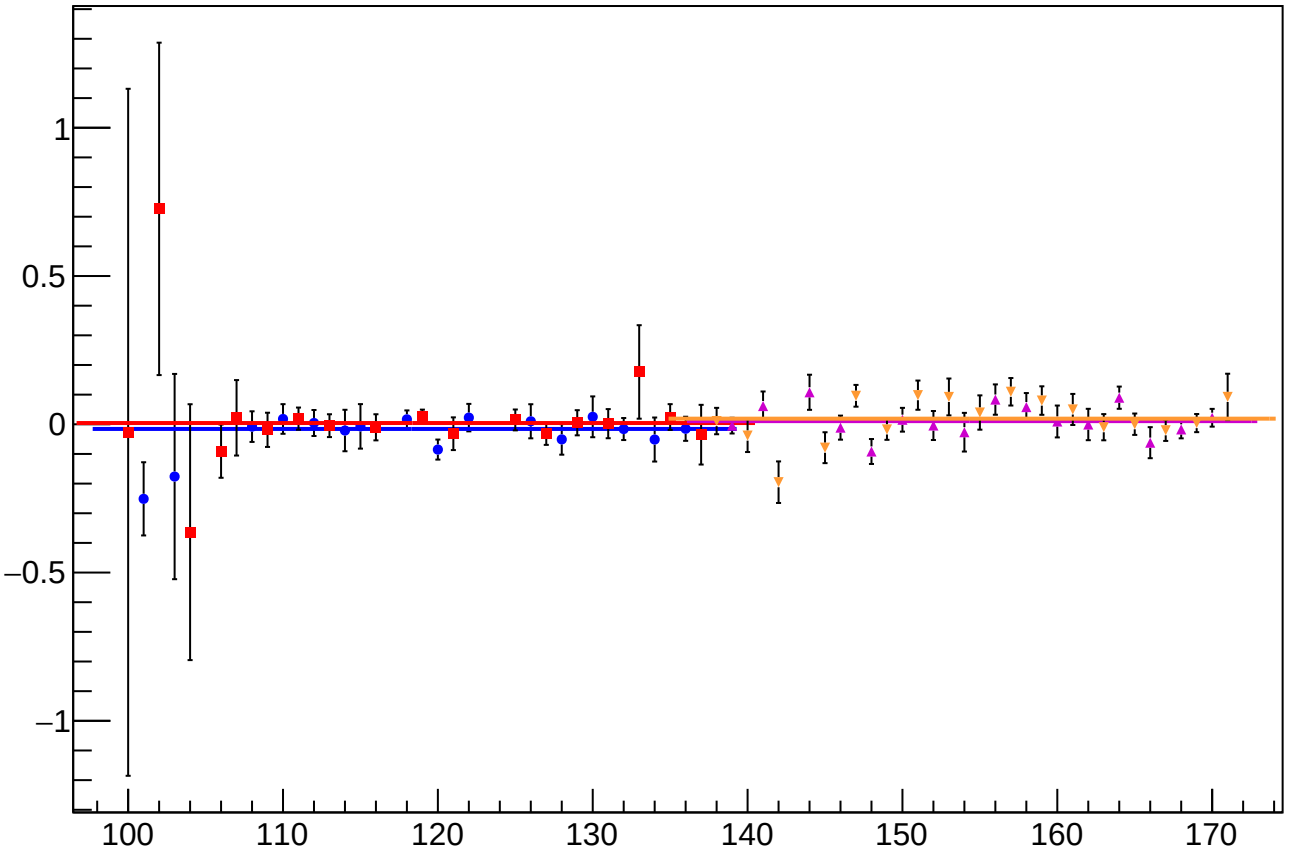
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.365+/-0.007 χ^2/NDF:2283473.7/15

+ sign 32.873+/-0.006 χ^2/NDF: 3911968.4/32

All: 30.966+/-0.004 χ^2/NDF: 10015082.7/66

- sign 29.279+/-0.005 χ^2/NDF: 5896469.9/33



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.3/16

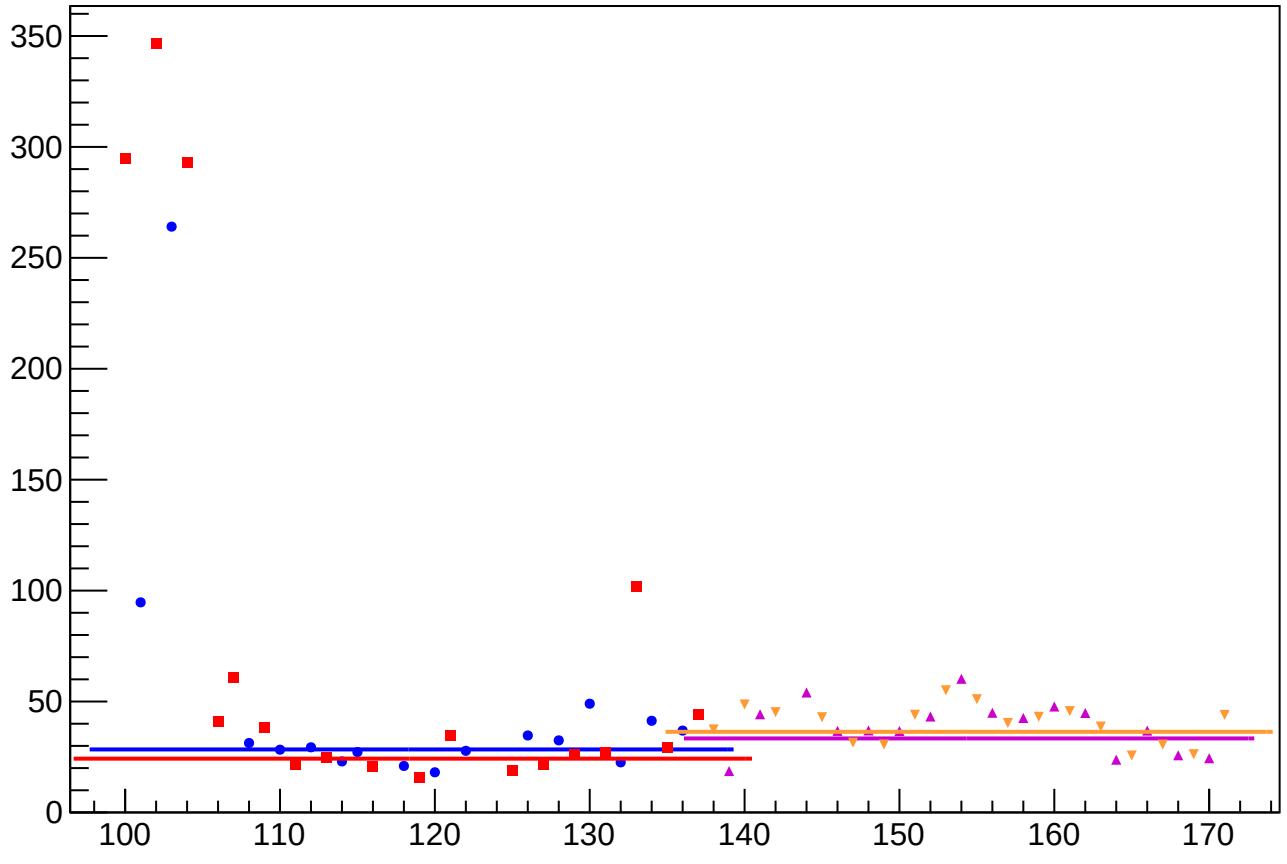
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.2/15

+ sign 0.004+/-0.008 χ^2/NDF: 48.7/32

All: 0.006+/-0.006 χ^2/NDF: 78.1/66

- sign 0.008+/-0.008 χ^2/NDF: 29.2/33



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.349+/-0.008 χ^2/NDF:1198695.3/16

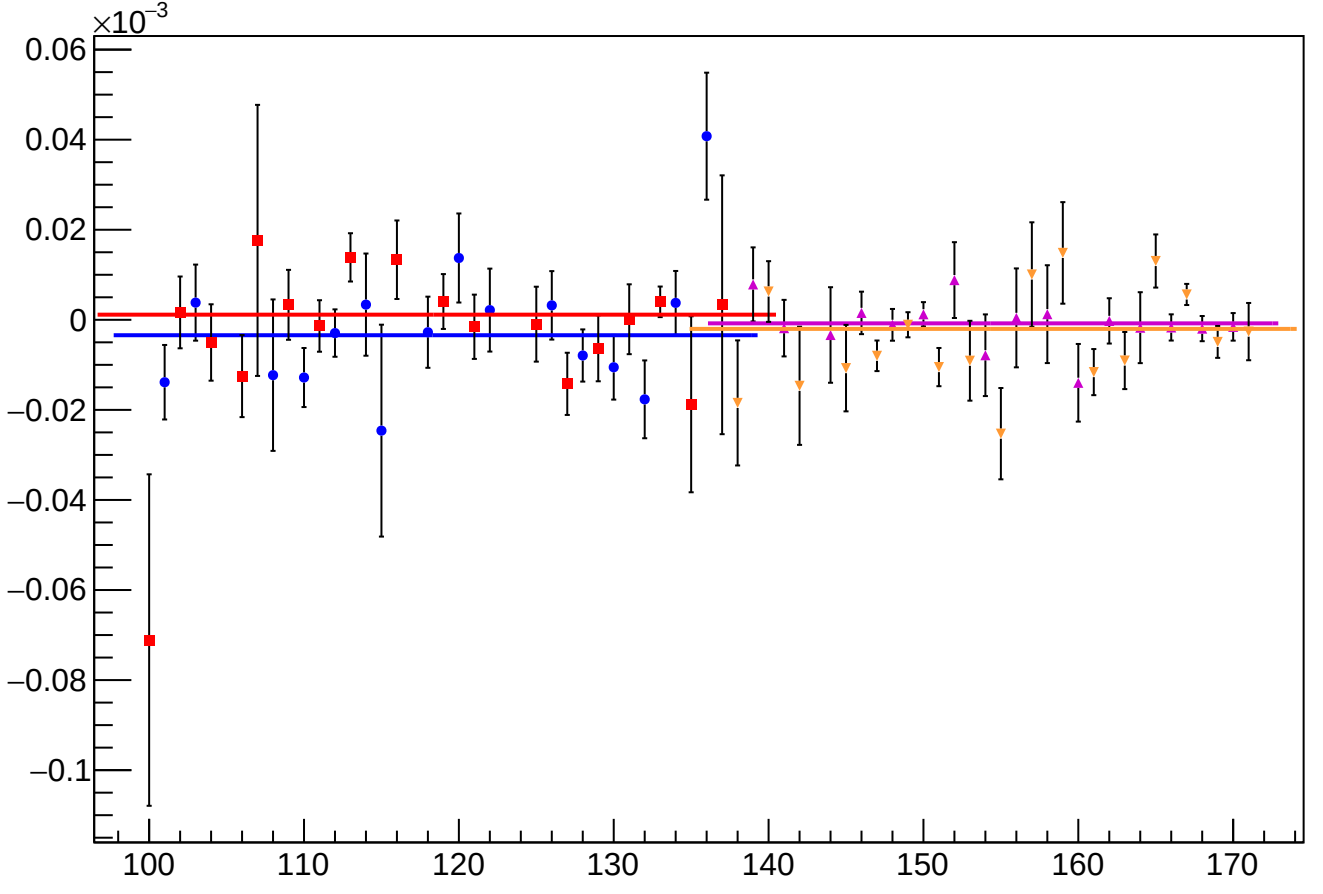
Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

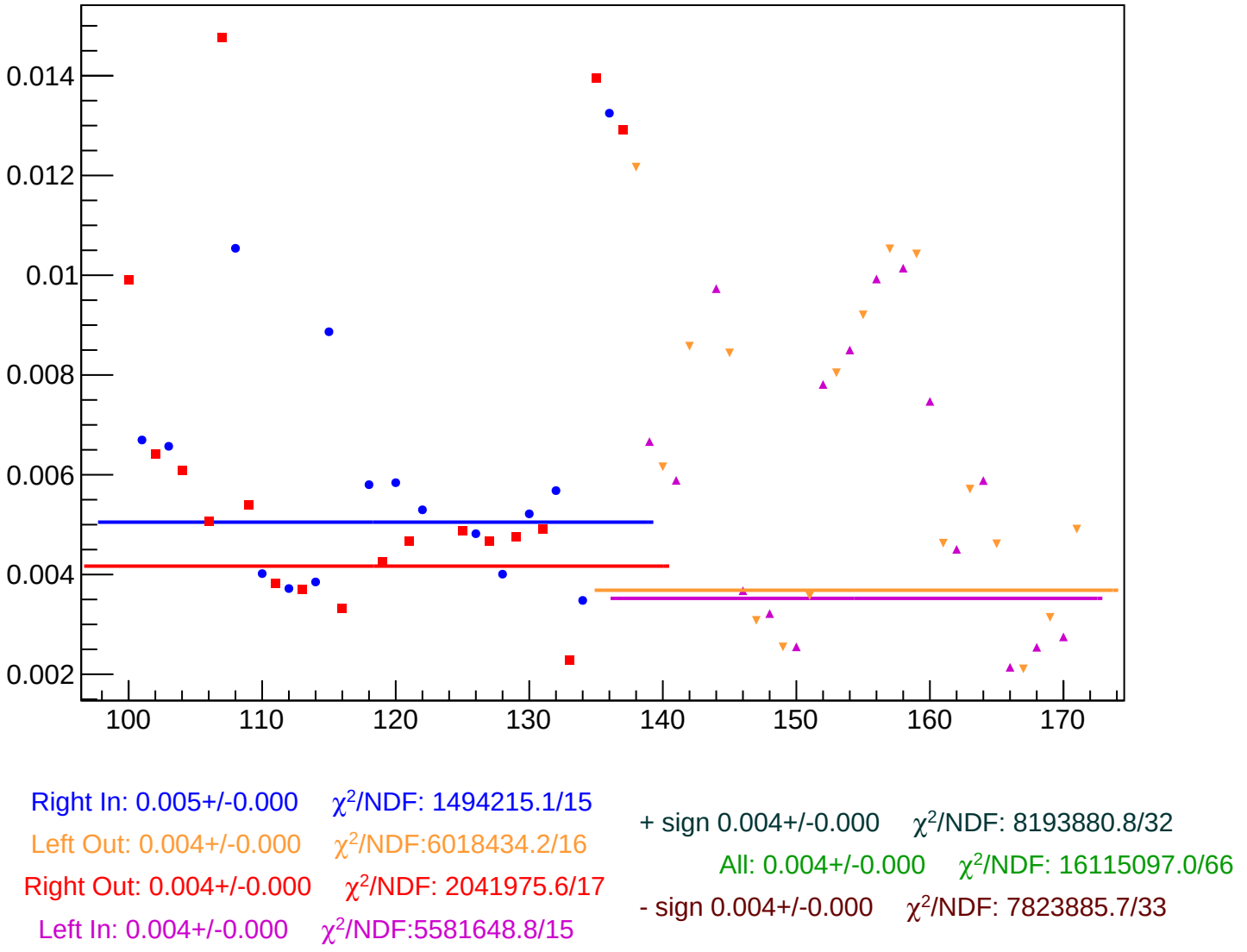
Left In: 33.365+/-0.007 χ^2/NDF:2283473.7/15

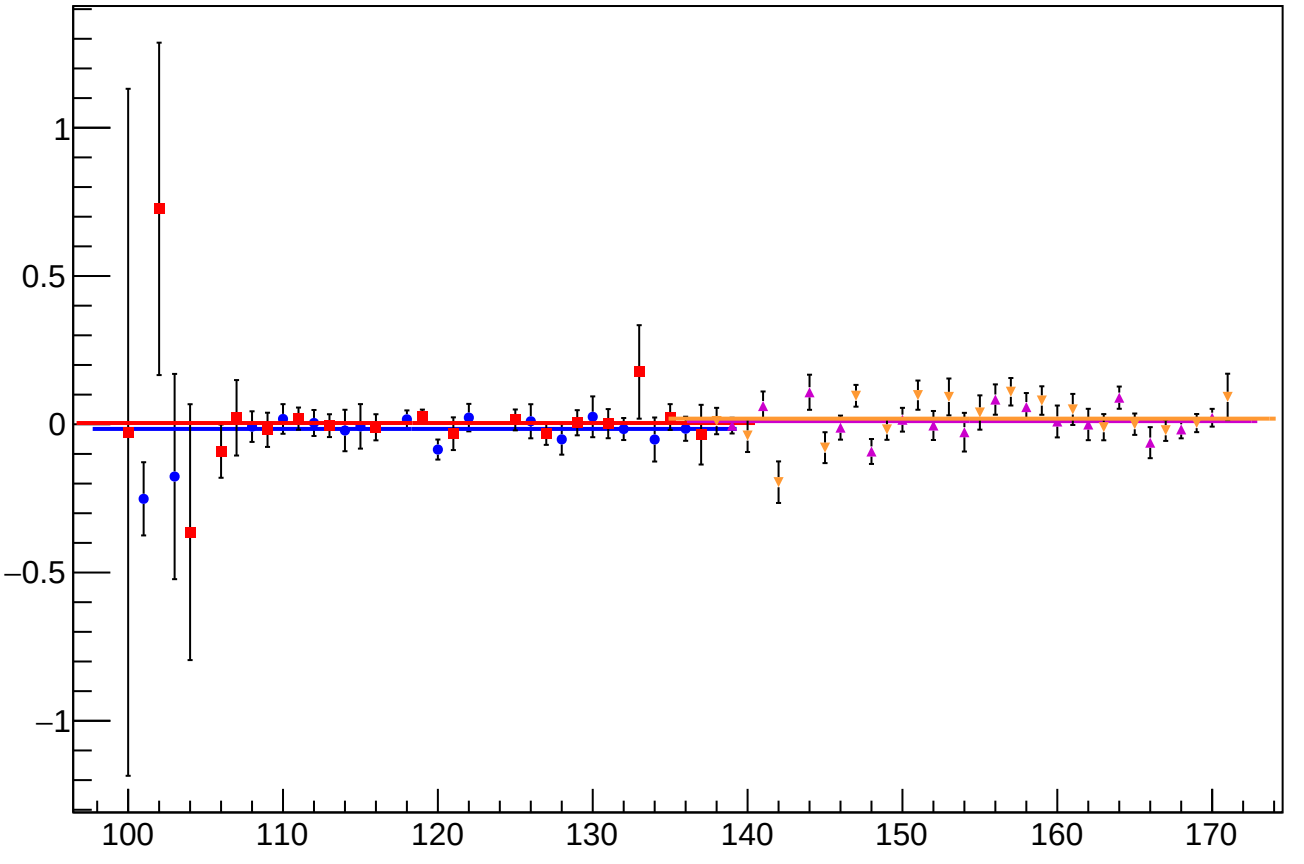
+ sign 32.873+/-0.006 χ^2/NDF: 3911968.4/32

All: 30.966+/-0.004 χ^2/NDF: 10015082.7/66

- sign 29.279+/-0.005 χ^2/NDF: 5896469.9/33


asym_us_dd_atlr_dd_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
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:43.7/16
Right Out: 0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.7/15
+ sign -0.000+/-0.000 χ²/NDF: 69.2/32
All: -0.000+/-0.000 χ²/NDF: 102.2/66
- sign -0.000+/-0.000 χ²/NDF: 30.5/33


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.005+/-0.000 χ²/NDF: 1494215.1/15
Left Out: 0.004+/-0.000 χ²/NDF:6018434.2/16
Right Out: 0.004+/-0.000 χ²/NDF: 2041975.6/17
Left In: 0.004+/-0.000 χ²/NDF:5581648.8/15
+ sign 0.004+/-0.000 χ²/NDF: 8193880.8/32
All: 0.004+/-0.000 χ²/NDF: 16115097.0/66
- sign 0.004+/-0.000 χ²/NDF: 7823885.7/33



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.3/16

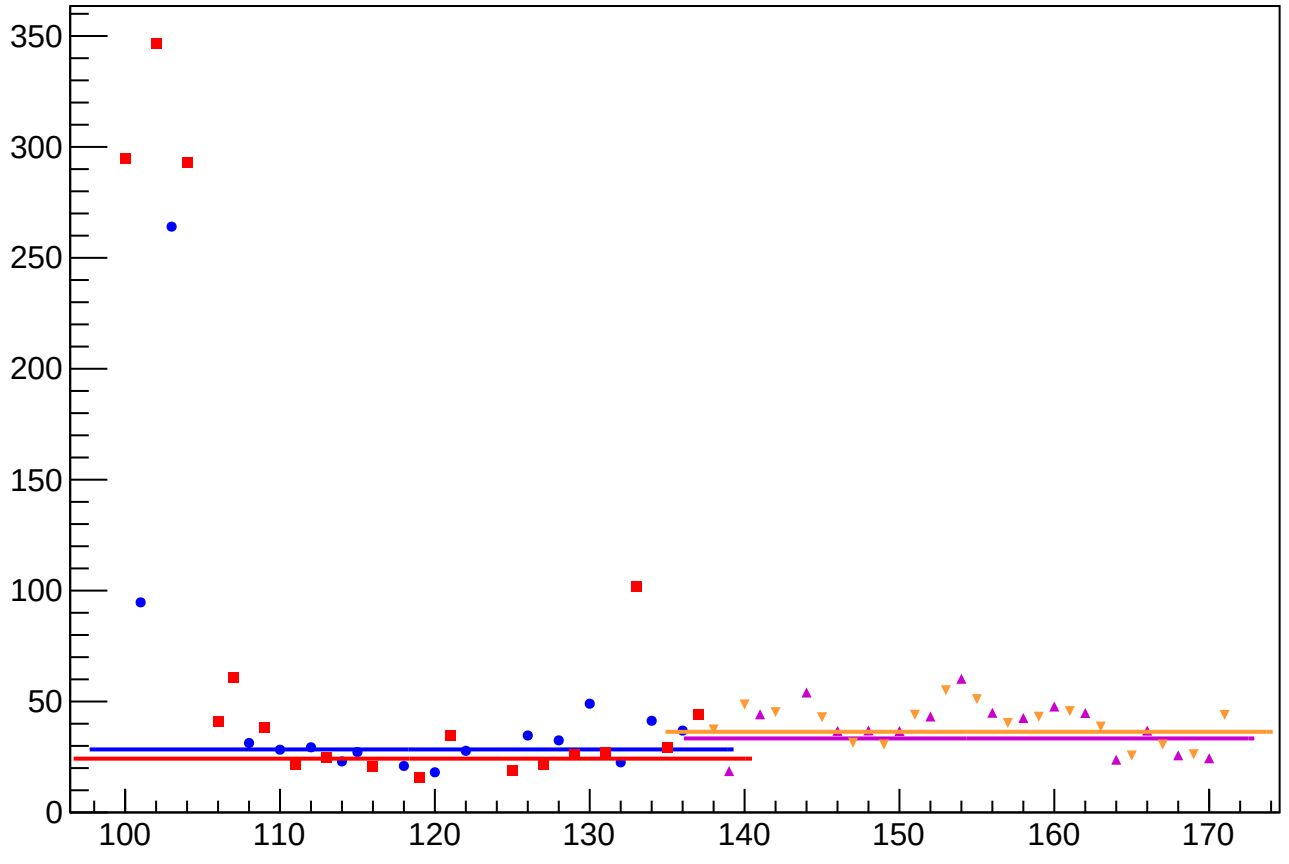
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.2/15

+ sign 0.004+/-0.008 χ^2/NDF: 48.7/32

All: 0.006+/-0.006 χ^2/NDF: 78.1/66

- sign 0.008+/-0.008 χ^2/NDF: 29.2/33



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 36.349+/-0.008 χ^2/NDF:1198879.2/16

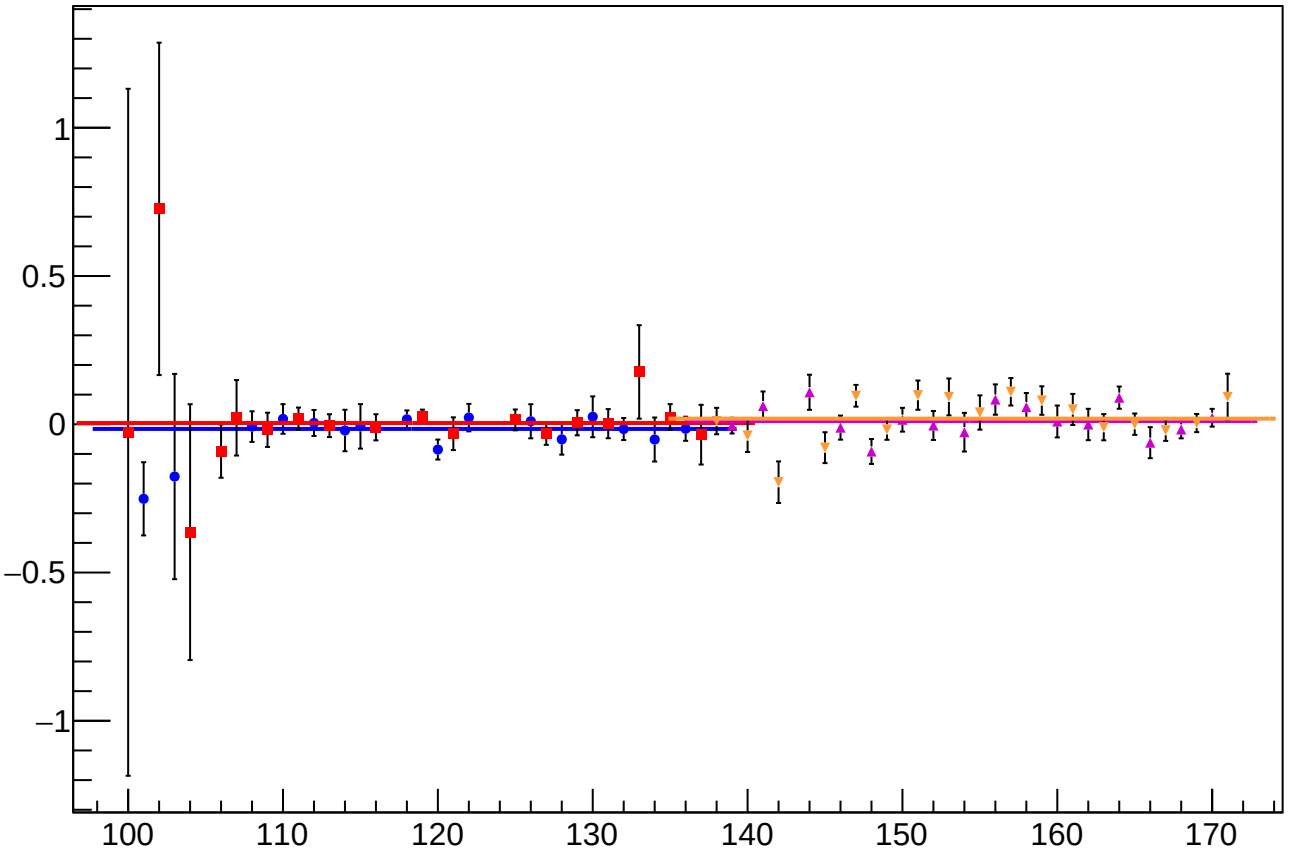
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.365+/-0.007 χ^2/NDF:2283907.4/15

+ sign 32.872+/-0.006 χ^2/NDF: 3912137.0/32

All: 30.965+/-0.004 χ^2/NDF: 10016256.6/66

- sign 29.277+/-0.005 χ^2/NDF: 5897370.3/33



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.3/16

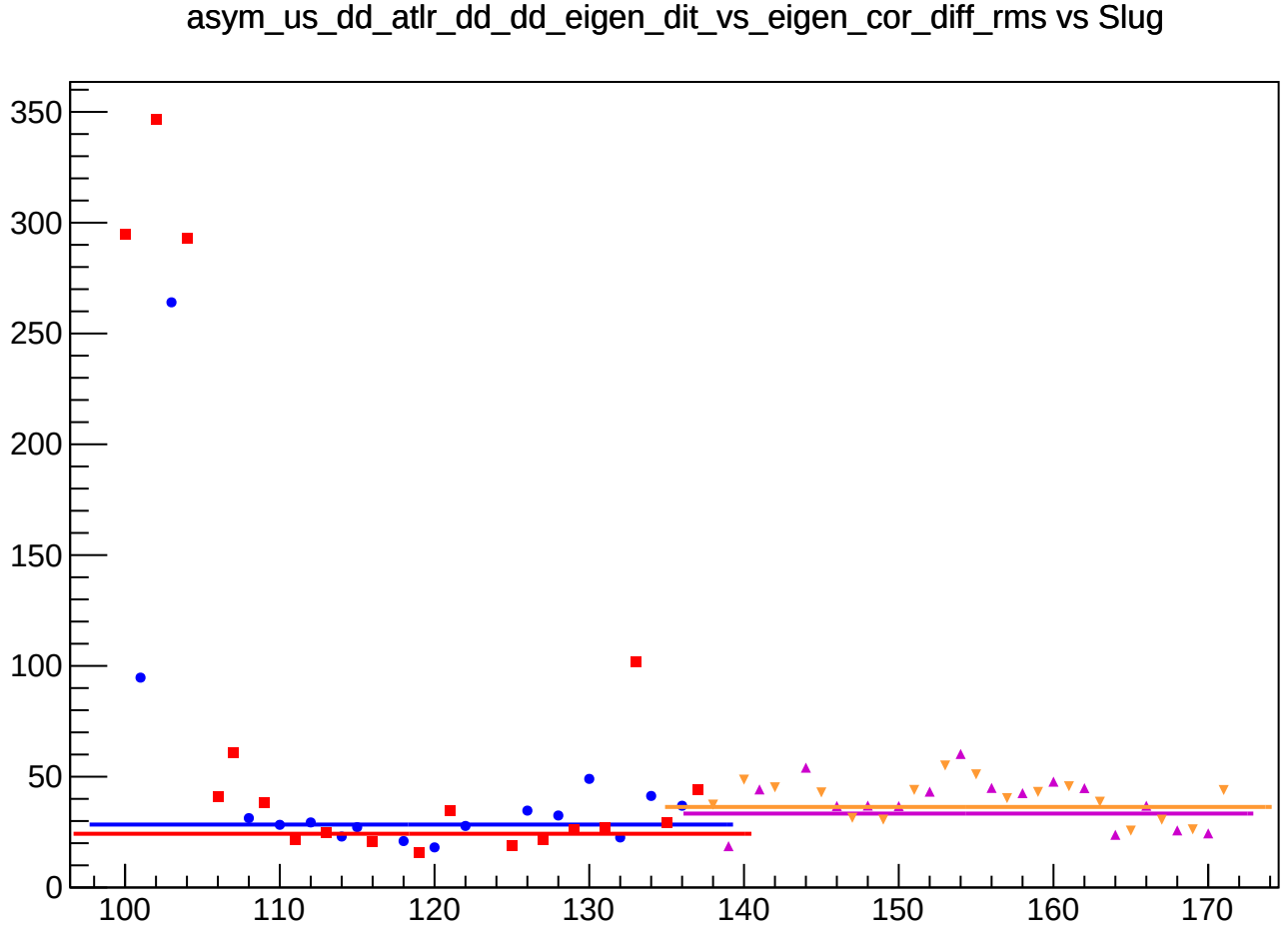
Right Out: 0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.011+/-0.010 χ^2/NDF:21.2/15

+ sign 0.004+/-0.008 χ^2/NDF: 48.7/32

All: 0.006+/-0.006 χ^2/NDF: 78.1/66

- sign 0.008+/-0.008 χ^2/NDF: 29.2/33



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 36.349+/-0.008 χ^2/NDF:1198879.2/16

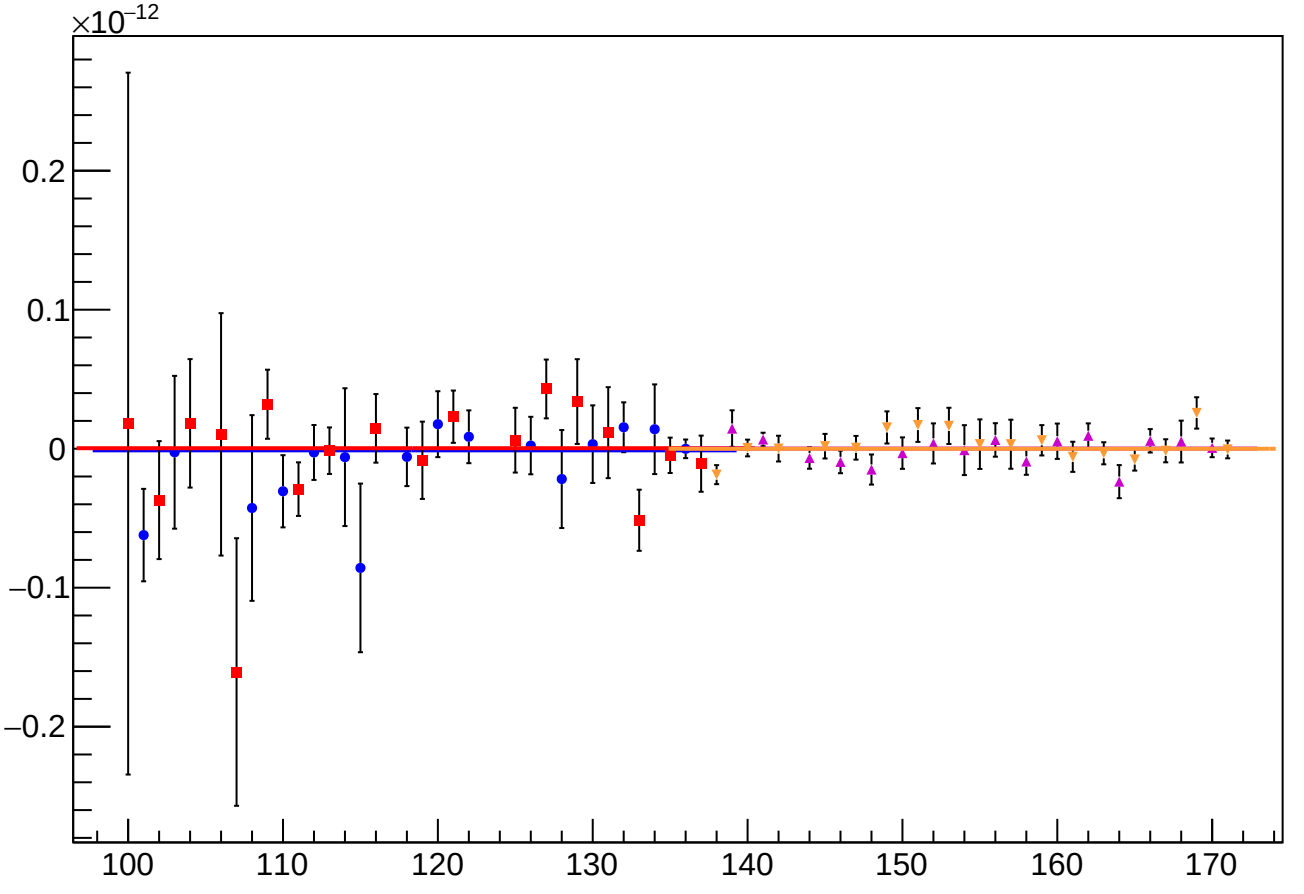
Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.365+/-0.007 χ^2/NDF:2283907.4/15

+ sign 32.872+/-0.006 χ^2/NDF: 3912137.0/32

All: 30.965+/-0.004 χ^2/NDF: 10016256.6/66

- sign 29.277+/-0.005 χ^2/NDF: 5897370.3/33



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/16

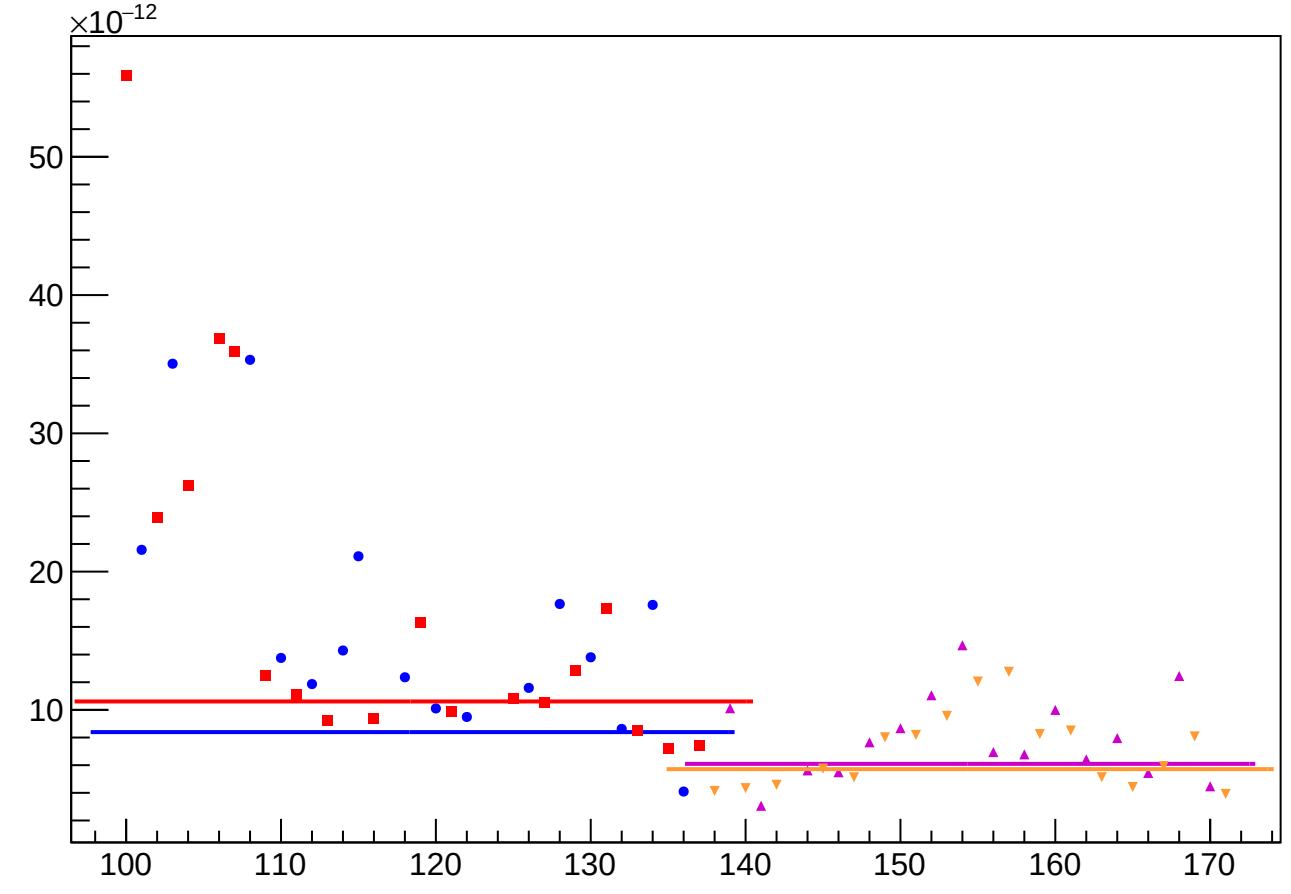
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/32

All: -0.000+/-0.000 χ^2/NDF: 64.6/66

- sign 0.000+/-0.000 χ^2/NDF: 35.3/33



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1710059.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

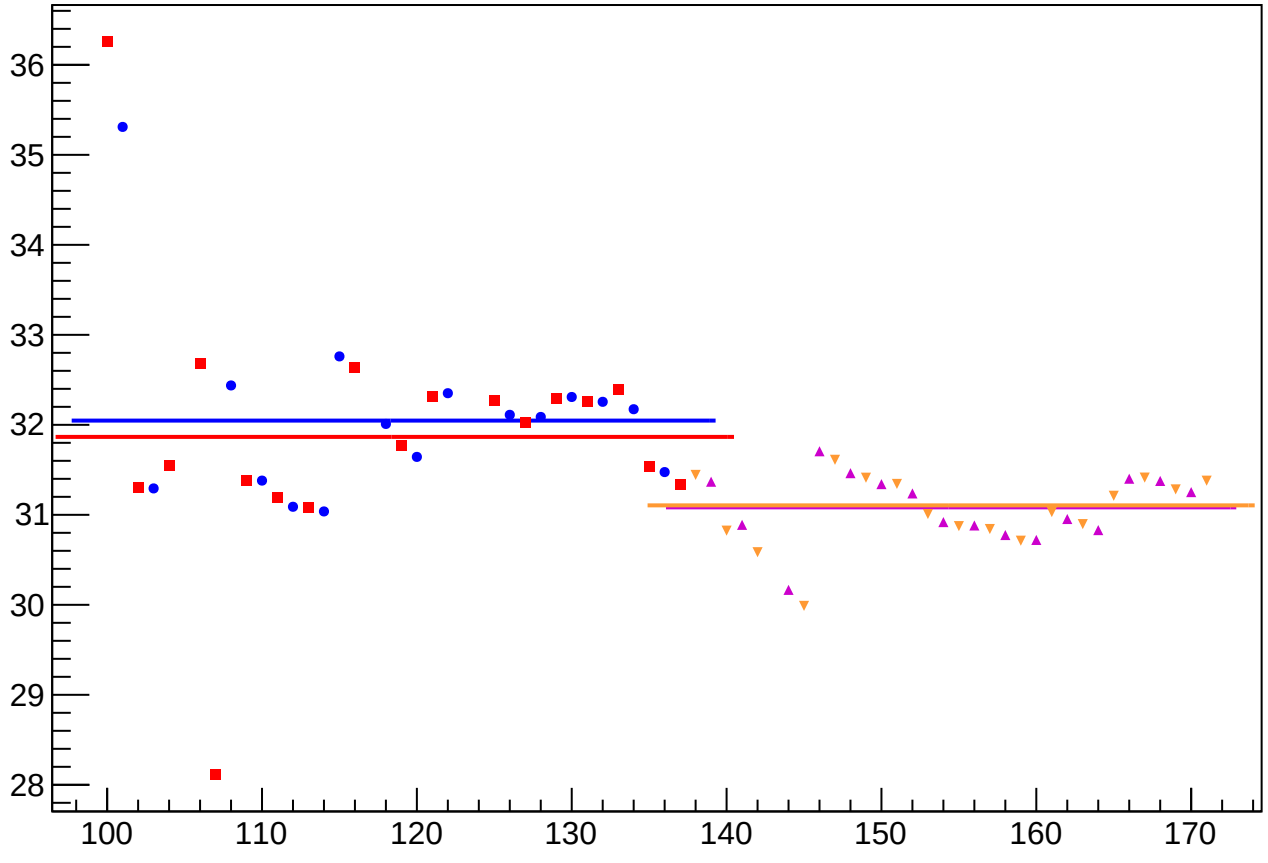
Left In: 0.000+/-0.000 χ^2/NDF:2566937.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 4939827.8/32

All: 0.000+/-0.000 χ^2/NDF: 9922556.5/66

- sign 0.000+/-0.000 χ^2/NDF: 4906608.1/33

yield_usl_mean vs Slug



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.105+/-0.000 χ^2/NDF:256683583.3/16

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

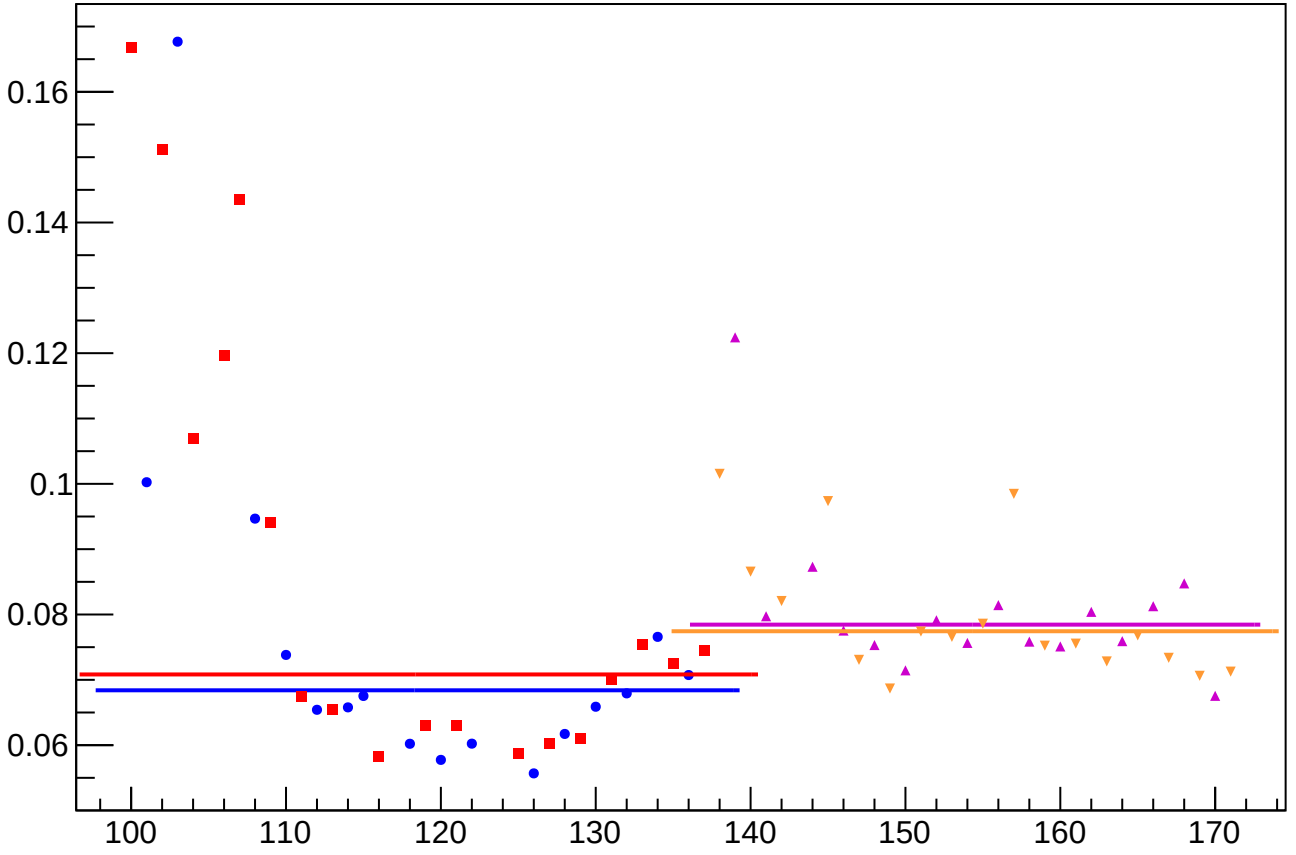
Left In: 31.083+/-0.000 χ^2/NDF:251013635.7/15

+ sign 31.482+/-0.000 χ^2/NDF: 1867517739.8/32

All: 31.437+/-0.000 χ^2/NDF: 3080548313.8/6

- sign 31.390+/-0.000 χ^2/NDF: 1199390599.1/33

yield_usl_rms vs Slug



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.077+/-0.000 χ^2/NDF:293840.7/16

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

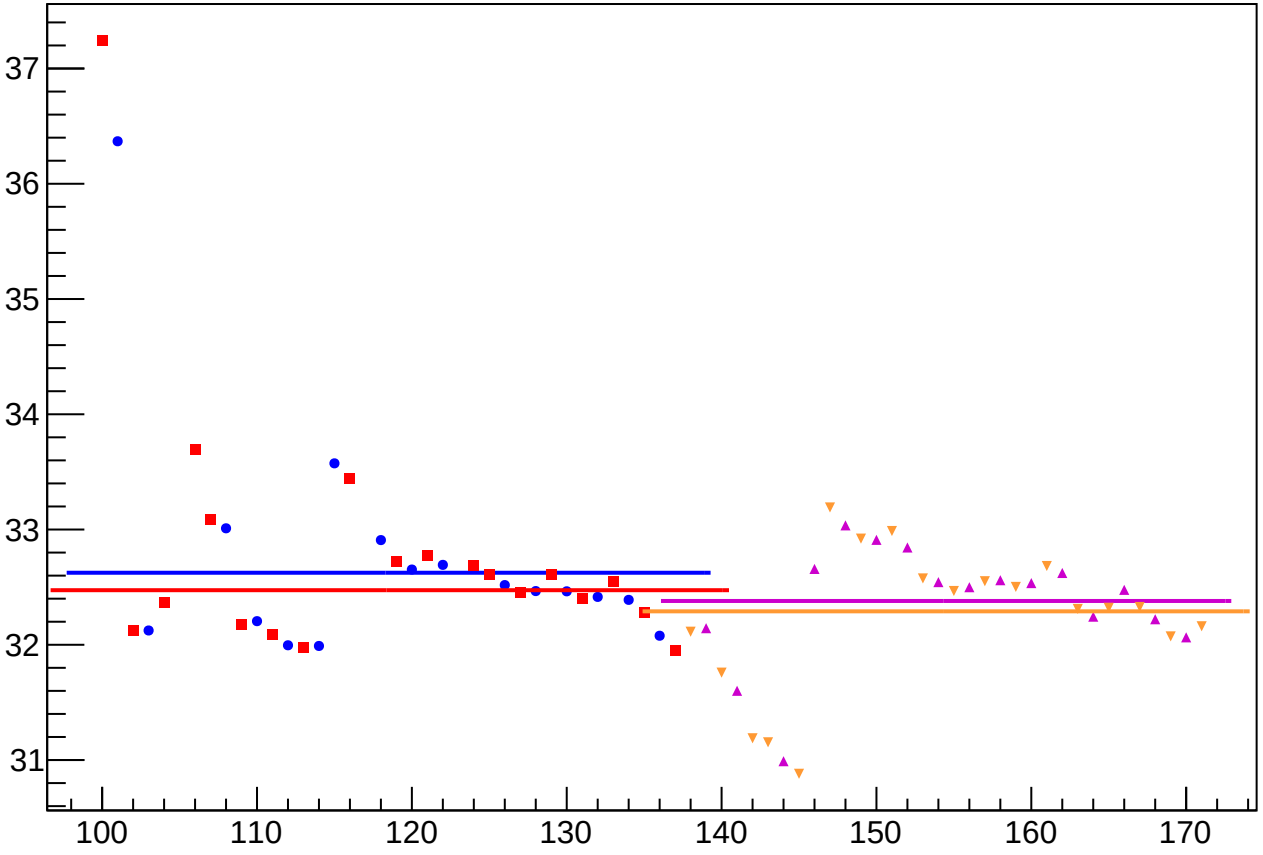
Left In: 0.078+/-0.000 χ^2/NDF:299908.1/15

+ sign 0.074+/-0.000 χ^2/NDF: 1128258.4/32

All: 0.075+/-0.000 χ^2/NDF: 2392764.2/66

- sign 0.075+/-0.000 χ^2/NDF: 1255828.8/33

yield_usr_mean vs Slug



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.290+/-0.000 χ^2/NDF:783076607.1/17

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

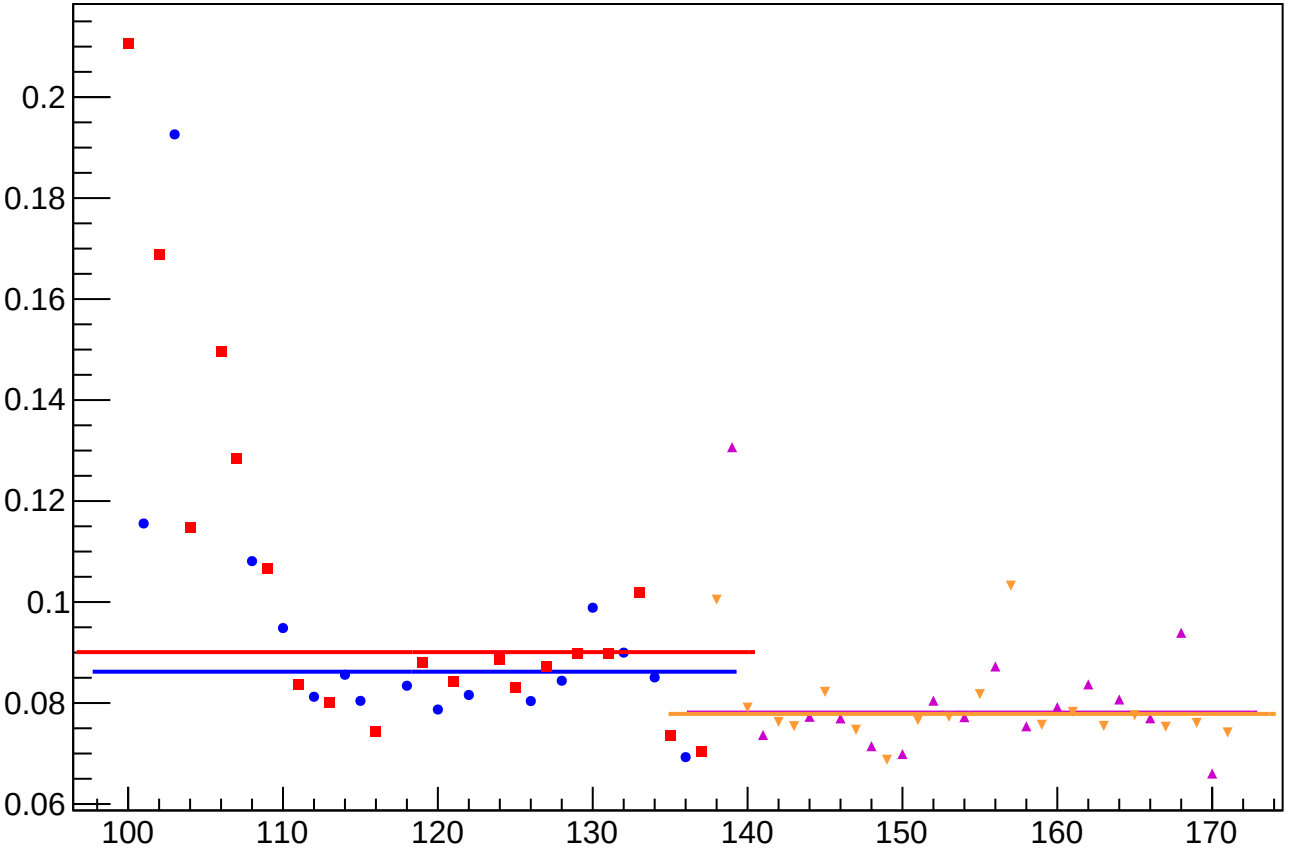
Left In: 32.380+/-0.000 χ^2/NDF:550671153.7/15

+ sign 32.385+/-0.000 χ^2/NDF: 1589996808.7/33

All: 32.396+/-0.000 χ^2/NDF: 2303081038.3/6

- sign 32.407+/-0.000 χ^2/NDF: 712416255.1/34

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:205362.0/17

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

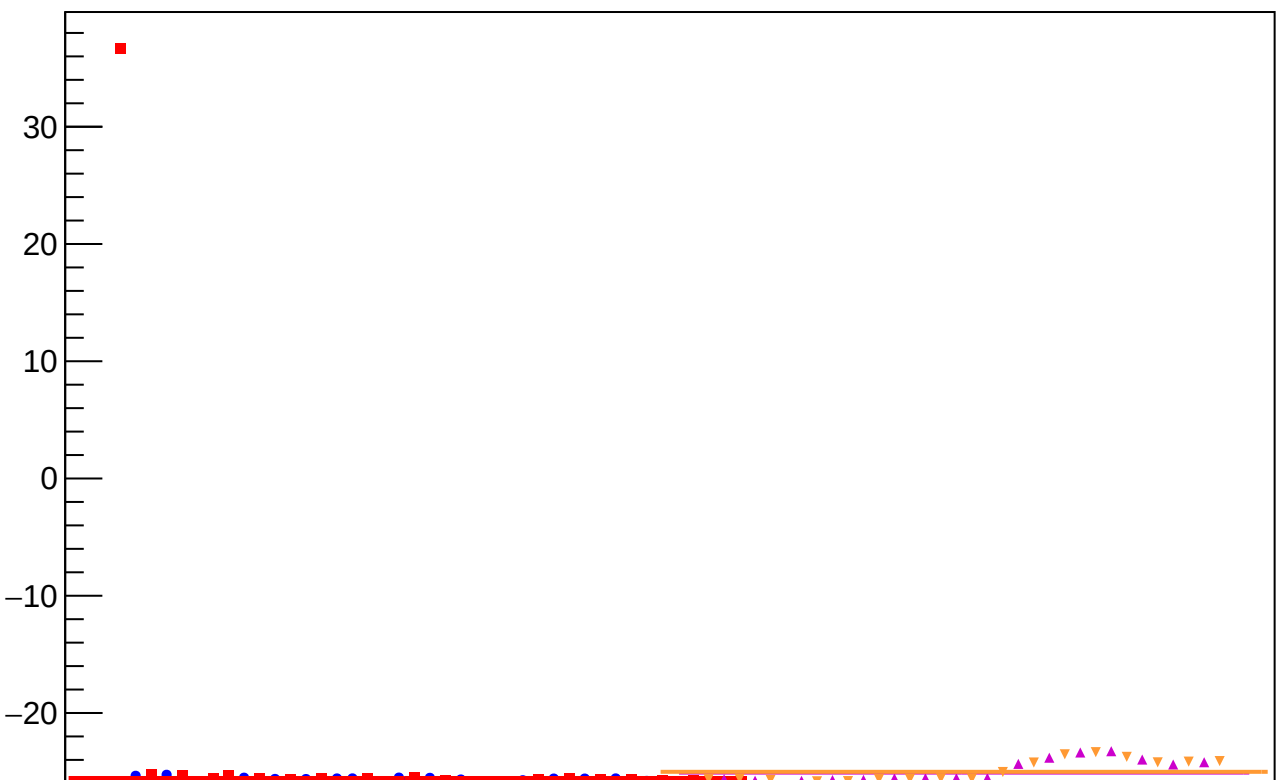
Left In: 0.078+/-0.000 χ^2/NDF:432401.7/15

+ sign 0.080+/-0.000 χ^2/NDF: 888507.7/33

All: 0.081+/-0.000 χ^2/NDF: 2110056.6/68

- sign 0.082+/-0.000 χ^2/NDF: 1216518.5/34

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.017+/-0.000 χ^2/NDF:4644390496.9/16

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

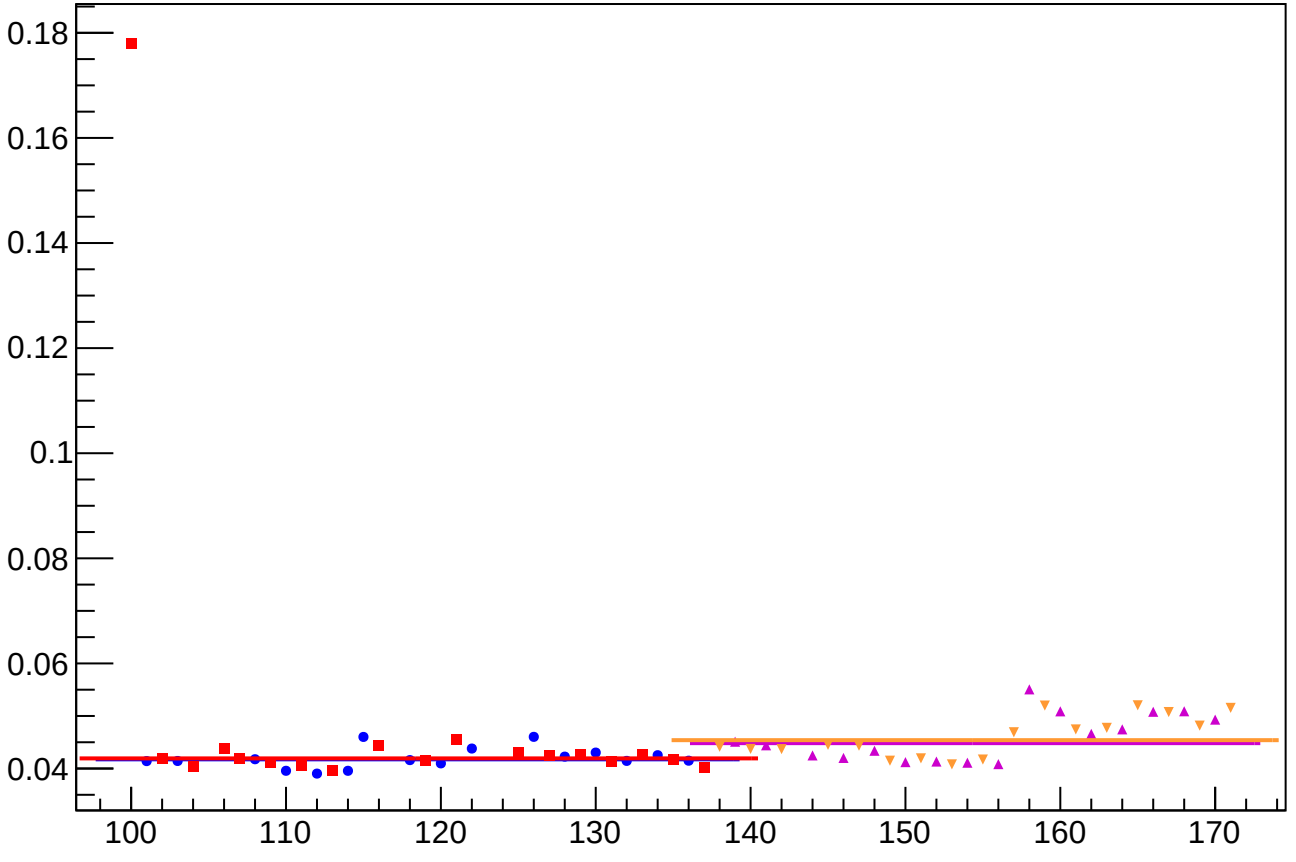
Left In: -25.082+/-0.000 χ^2/NDF:4675176376.3/15

+ sign -25.238+/-0.000 χ^2/NDF: 5529584207.4/32

All: -25.251+/-0.000 χ^2/NDF: 19649682955.

- sign -25.263+/-0.000 χ^2/NDF: 14116963392.2/33

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:165136.4/16

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

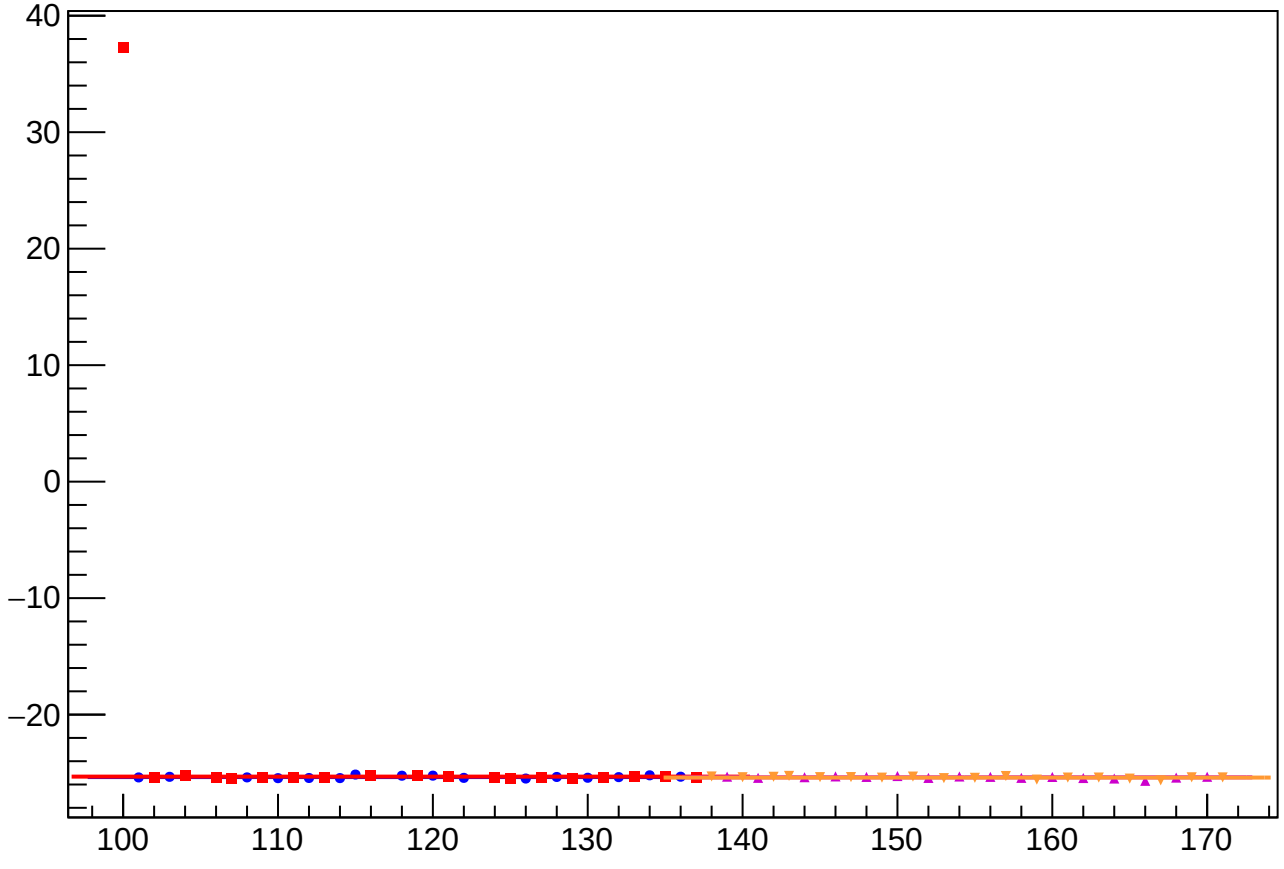
Left In: 0.045+/-0.000 χ^2/NDF:210889.5/15

+ sign 0.044+/-0.000 χ^2/NDF: 252253.7/32

All: 0.044+/-0.000 χ^2/NDF: 606256.2/66

- sign 0.044+/-0.000 χ^2/NDF: 353260.5/33

yield_dsr_mean vs Slug



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.404+/-0.000 χ^2/NDF:42382734.1/17

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

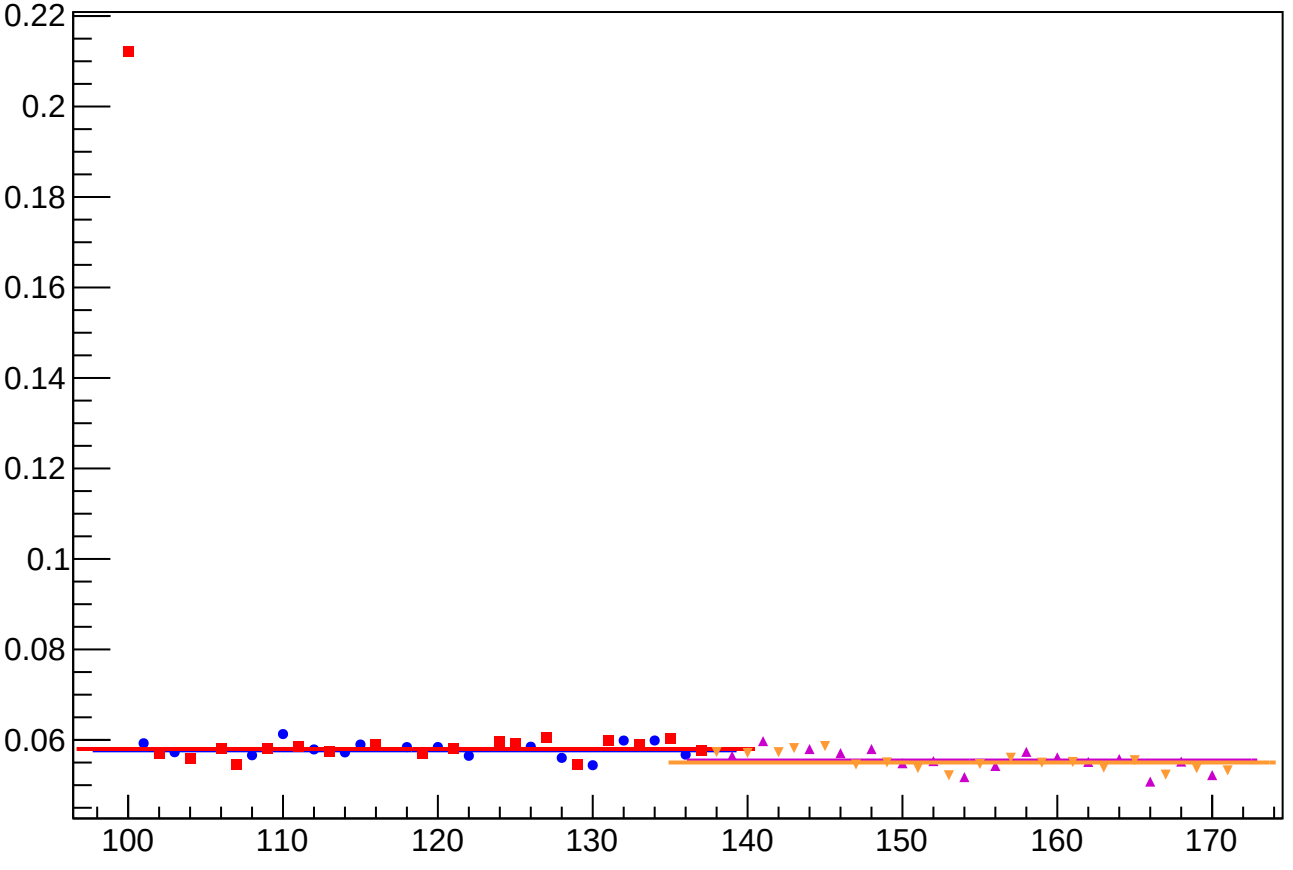
Left In: -25.384+/-0.000 χ^2/NDF:33112255.6/15

+ sign -25.390+/-0.000 χ^2/NDF: 58381793.8/33

All: -25.377+/-0.000 χ^2/NDF: 6414202078.8/

- sign -25.363+/-0.000 χ^2/NDF: 6353442138.0/34

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:30464.5/17

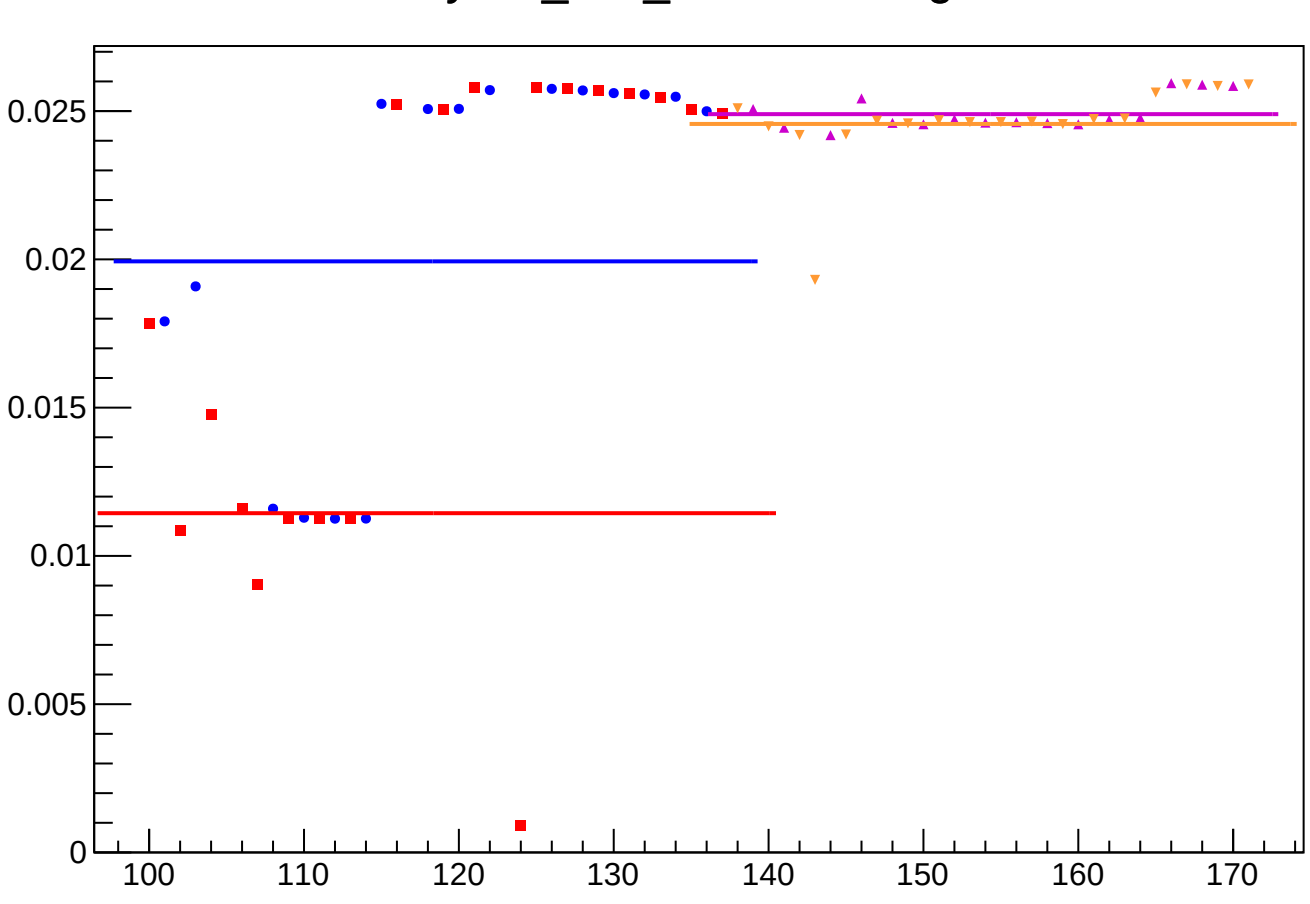
Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:44210.8/15

+ sign 0.056+/-0.000 χ^2/NDF: 62971.3/33

All: 0.056+/-0.000 χ^2/NDF: 215601.2/68

- sign 0.056+/-0.000 χ^2/NDF: 151291.8/34



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6055598963.4/17

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

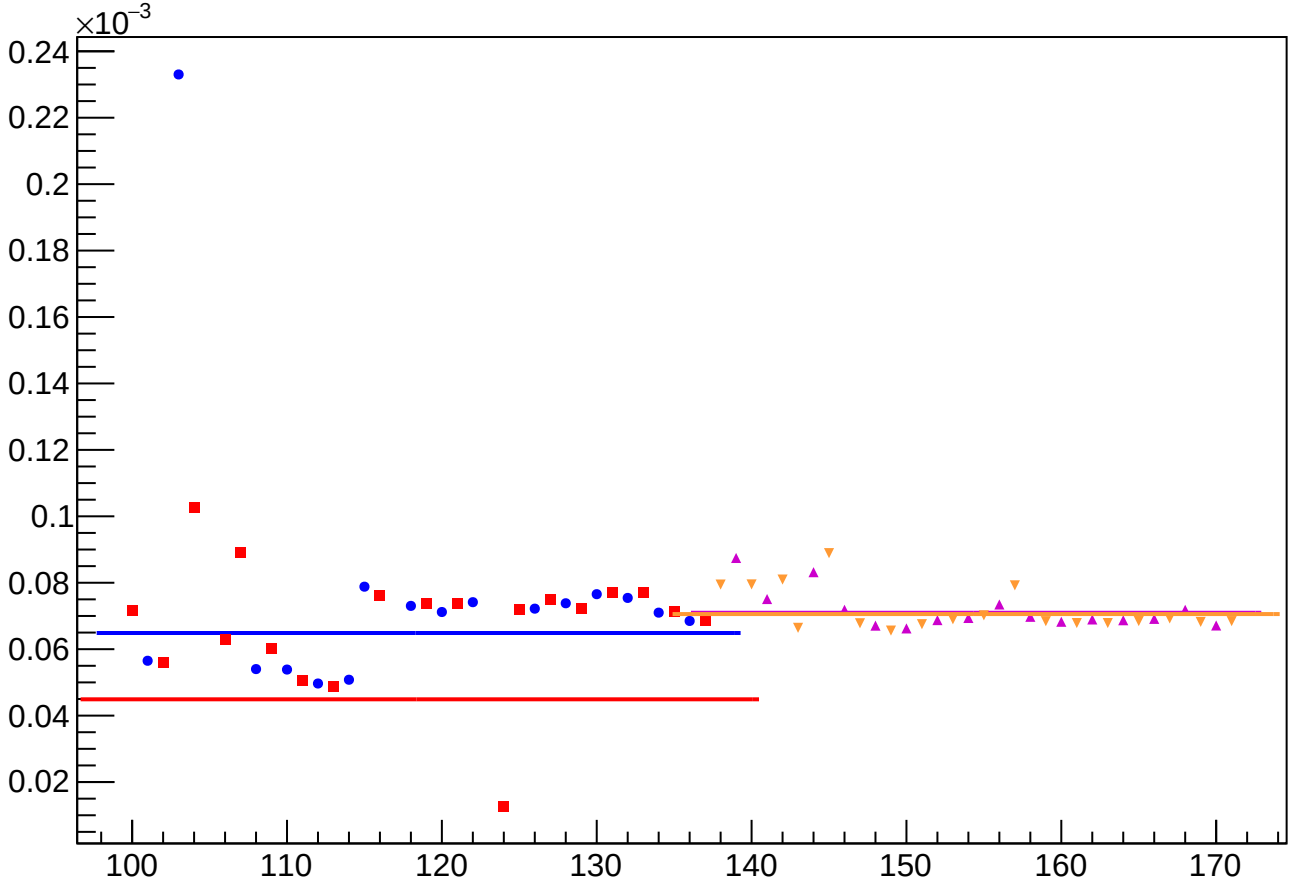
Left In: 0.025+/-0.000 χ^2/NDF:716124932.0/15

+ sign 0.023+/-0.000 χ^2/NDF: 89956748495.3/33

All: 0.020+/-0.000 χ^2/NDF: 625960581325.1

- sign 0.018+/-0.000 χ^2/NDF: 484714084161.6/34

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:172222.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

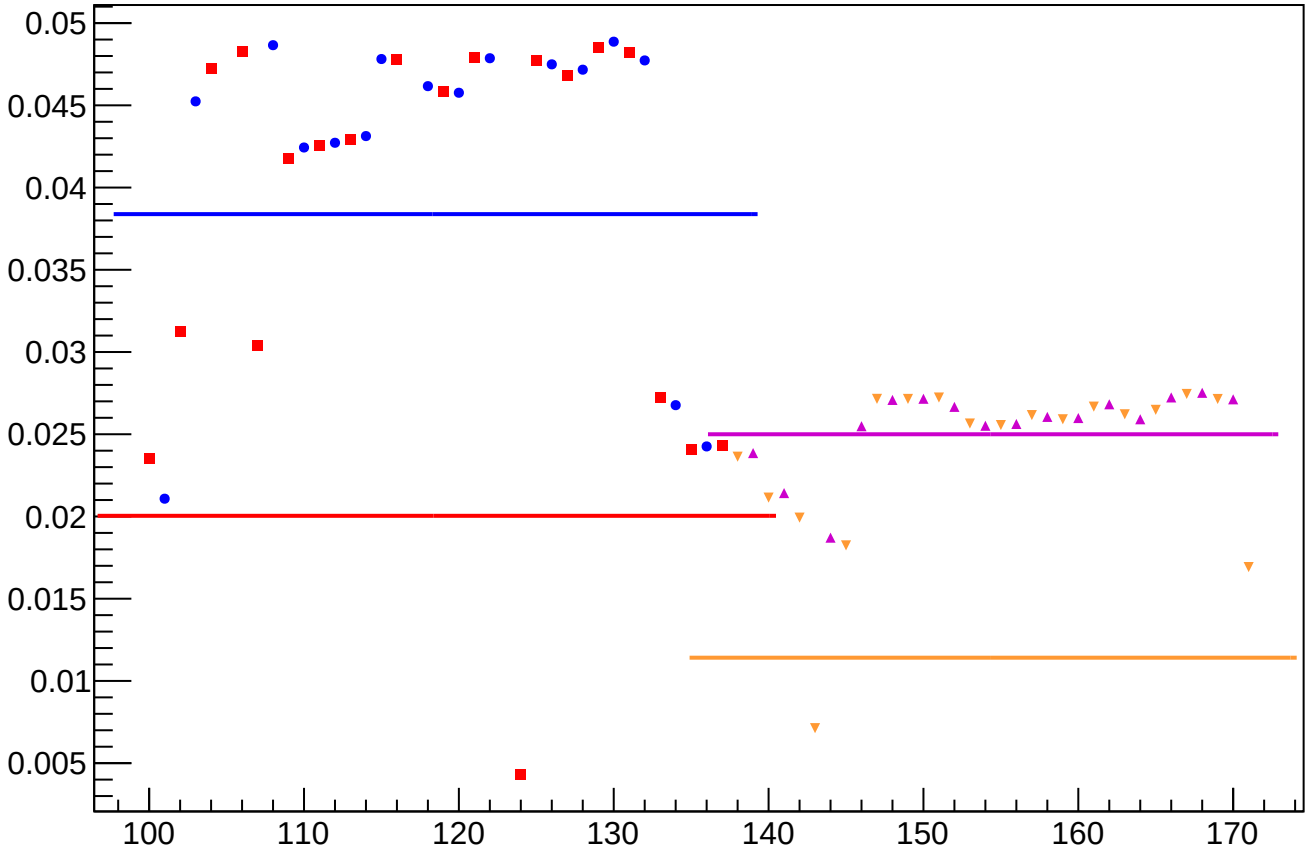
Left In: 0.000+/-0.000 χ^2/NDF:131303.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 1053955.6/33

All: 0.000+/-0.000 χ^2/NDF: 7196159.9/68

- sign 0.000+/-0.000 χ^2/NDF: 5627308.2/34

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:33243252902.8/17

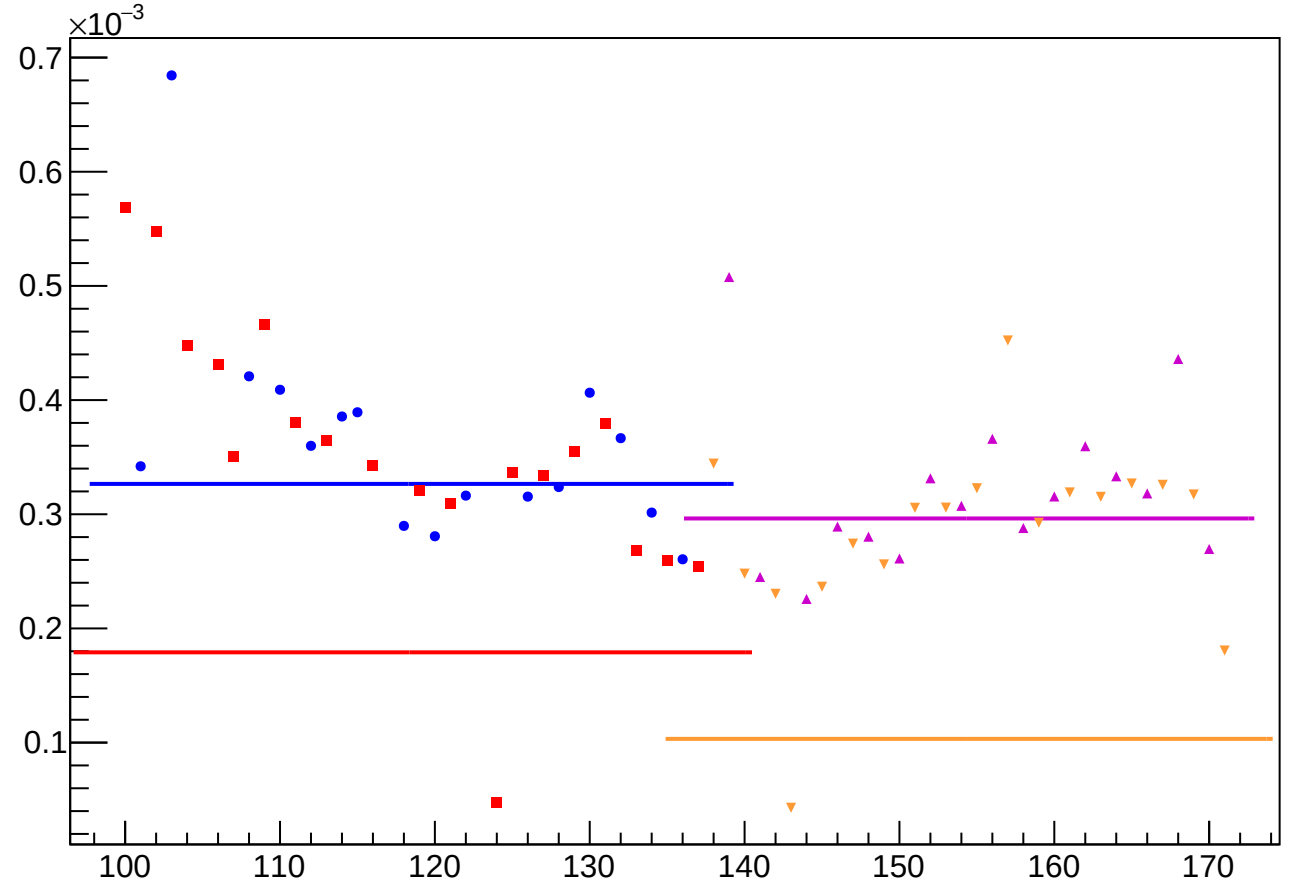
Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:1062048351.9/15

+ sign 0.014+/-0.000 χ^2/NDF: 79452424389.7/33

All: 0.016+/-0.000 χ^2/NDF: 138226751961.5

- sign 0.023+/-0.000 χ^2/NDF: 44810015386.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13192276.0/17

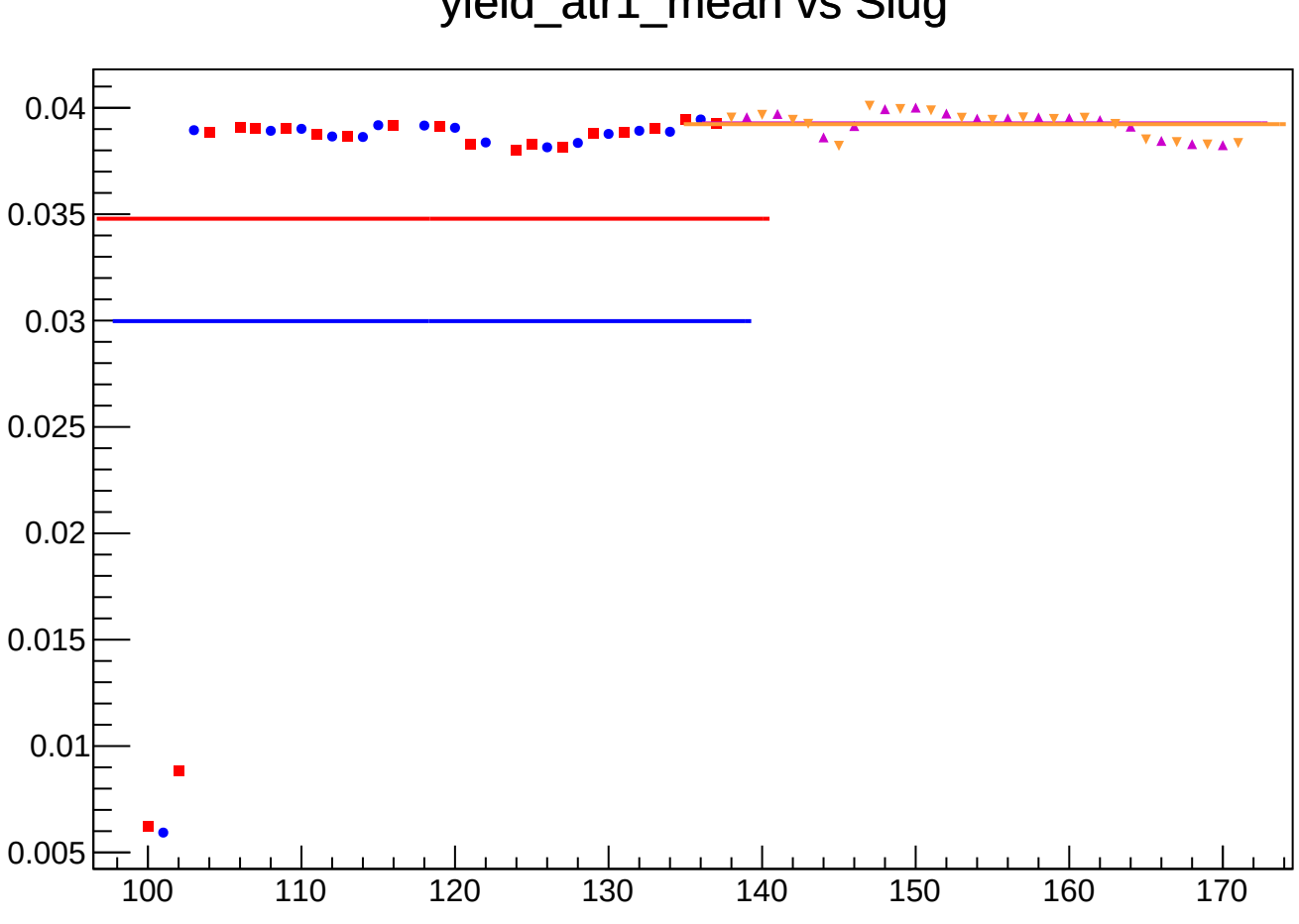
Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:861560.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 19139304.2/33

All: 0.000+/-0.000 χ^2/NDF: 32363407.0/68

- sign 0.000+/-0.000 χ^2/NDF: 8270022.0/34



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:292624052.4/17

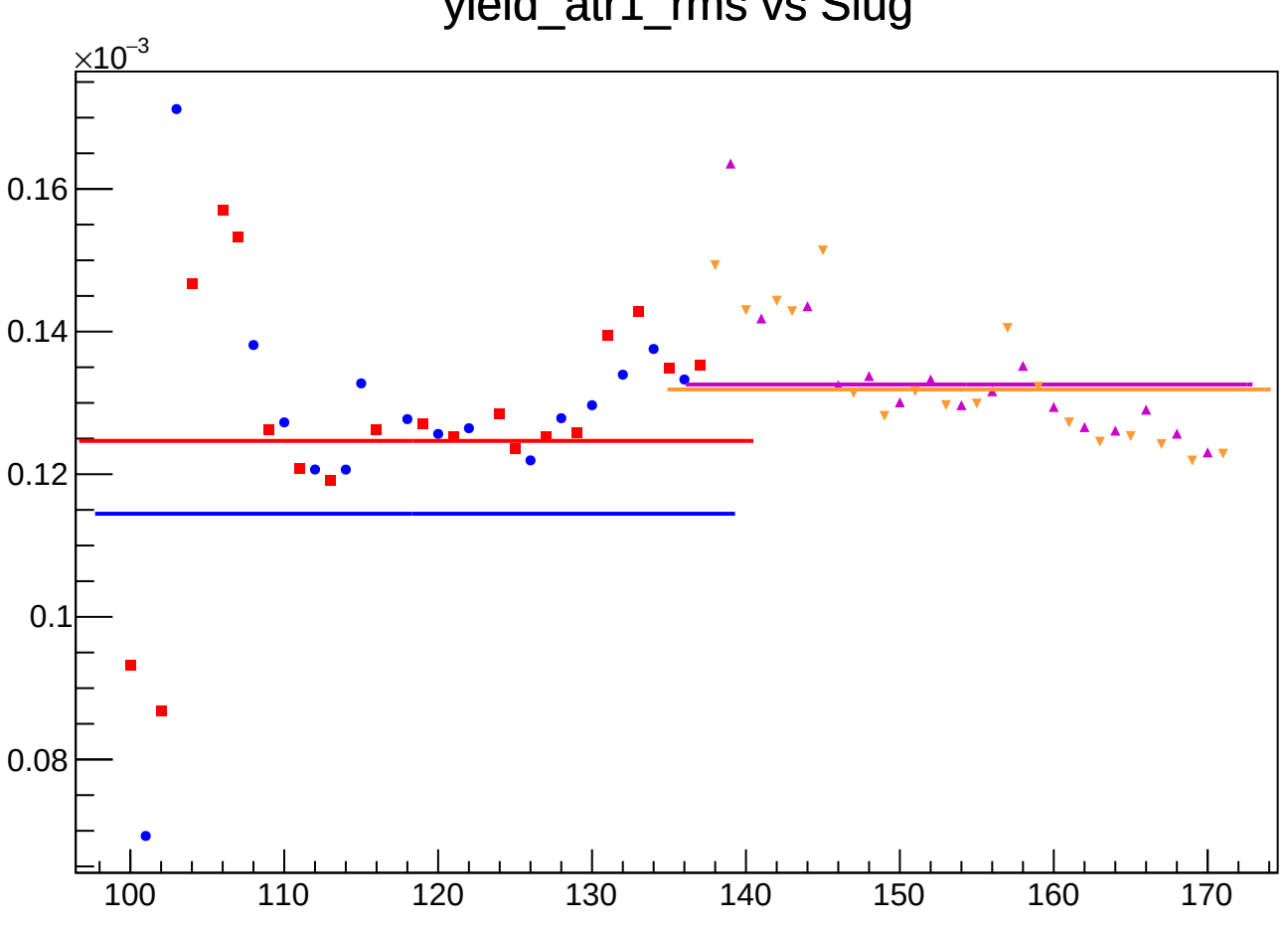
Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:232234971.5/15

+ sign 0.036+/-0.000 χ^2/NDF: 135103358818.6/33

All: 0.037+/-0.000 χ^2/NDF: 190506490487.4

- sign 0.038+/-0.000 χ^2/NDF: 53061402850.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:116094.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

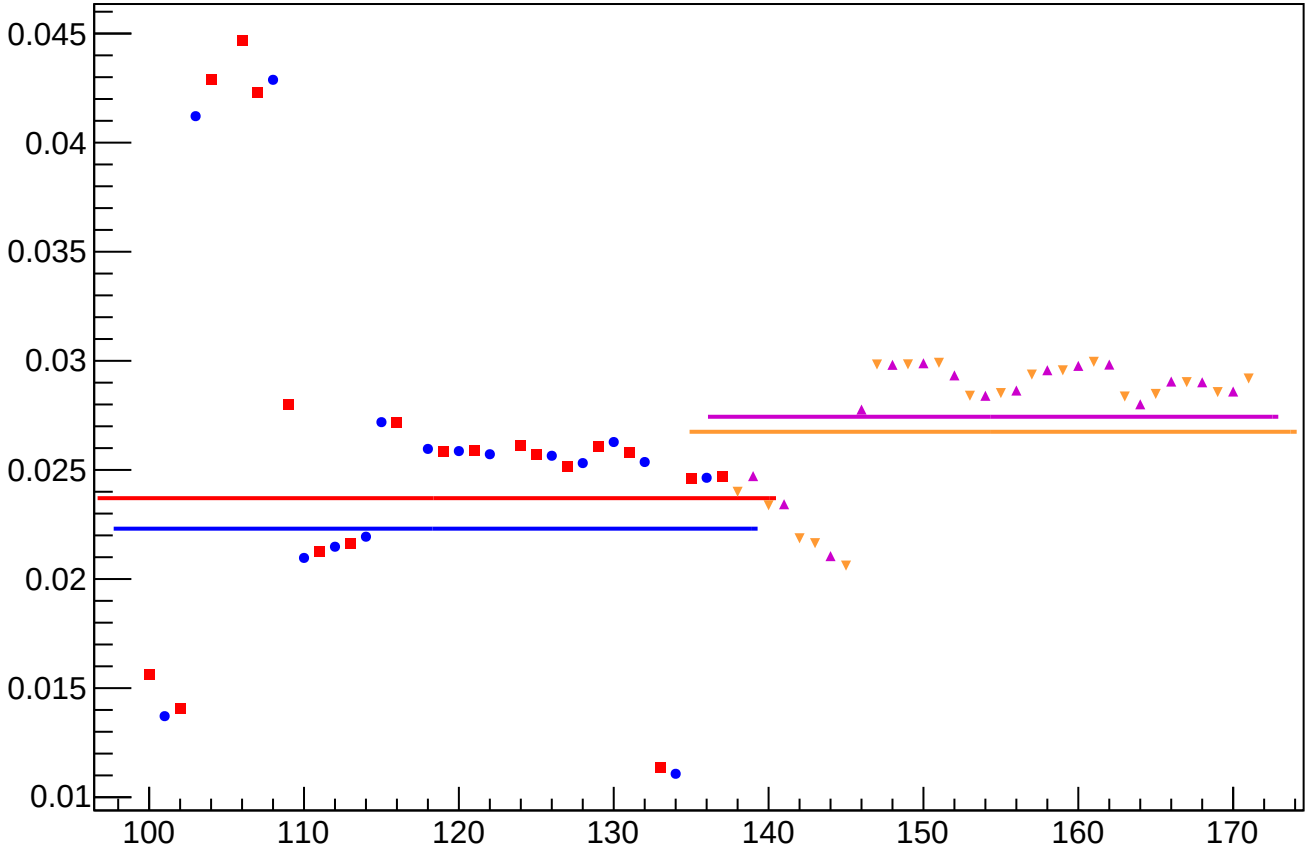
Left In: 0.000+/-0.000 χ^2/NDF:102094.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 1157357.7/33

All: 0.000+/-0.000 χ^2/NDF: 1579439.9/68

- sign 0.000+/-0.000 χ^2/NDF: 397165.0/34

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1926593143.1/17

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

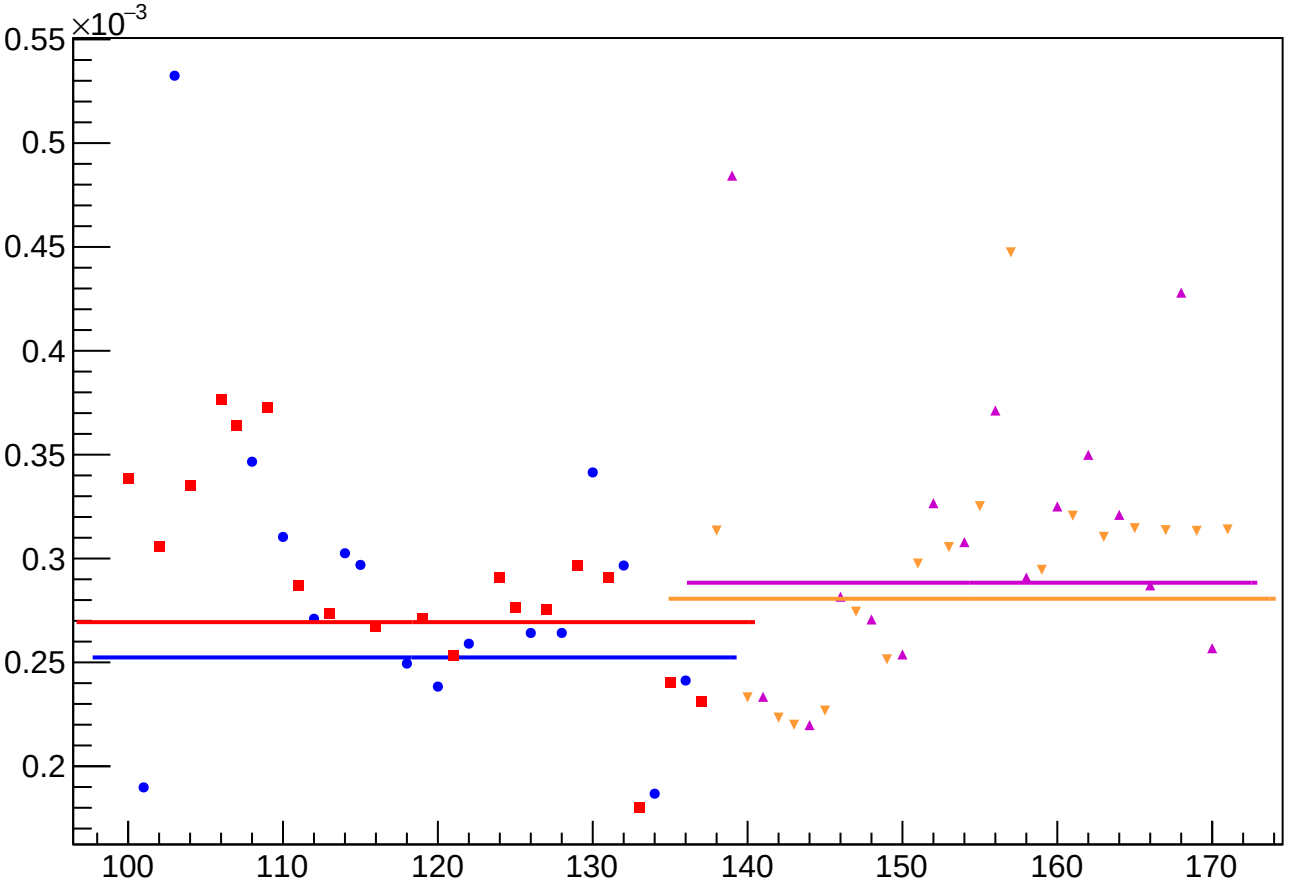
Left In: 0.027+/-0.000 χ^2/NDF:1292327968.1/15

+ sign 0.025+/-0.000 χ^2/NDF: 8133261715.8/33

All: 0.025+/-0.000 χ^2/NDF: 15874904786.5/6

- sign 0.026+/-0.000 χ^2/NDF: 7634121289.8/34

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:656499.3/17

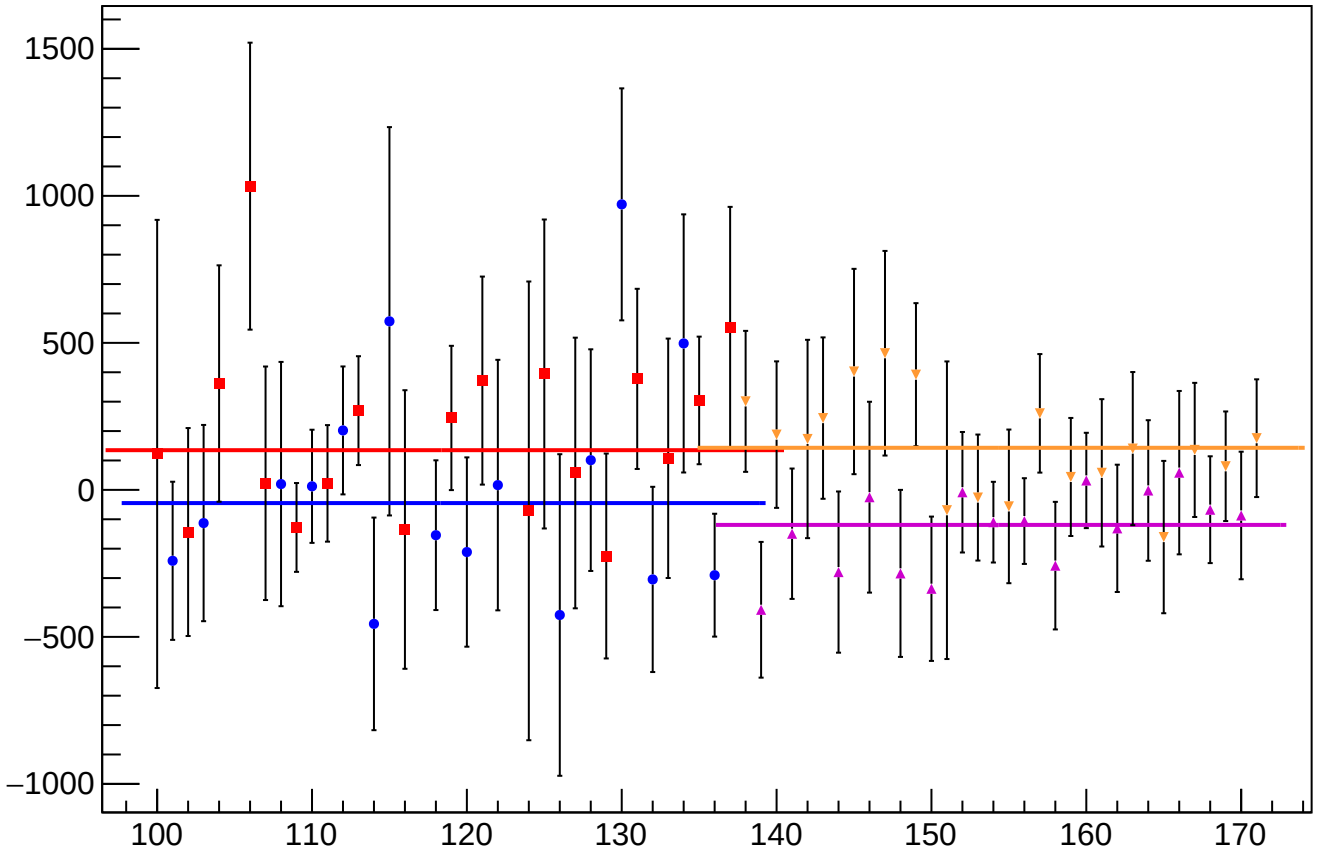
Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:921880.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 1461012.6/33

All: 0.000+/-0.000 χ^2/NDF: 2898816.0/68

- sign 0.000+/-0.000 χ^2/NDF: 1407551.7/34



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 143.103+/-58.007 χ^2/NDF:6.7/17

Right Out: 134.996+/-68.062 χ^2/NDF: 12.9/18

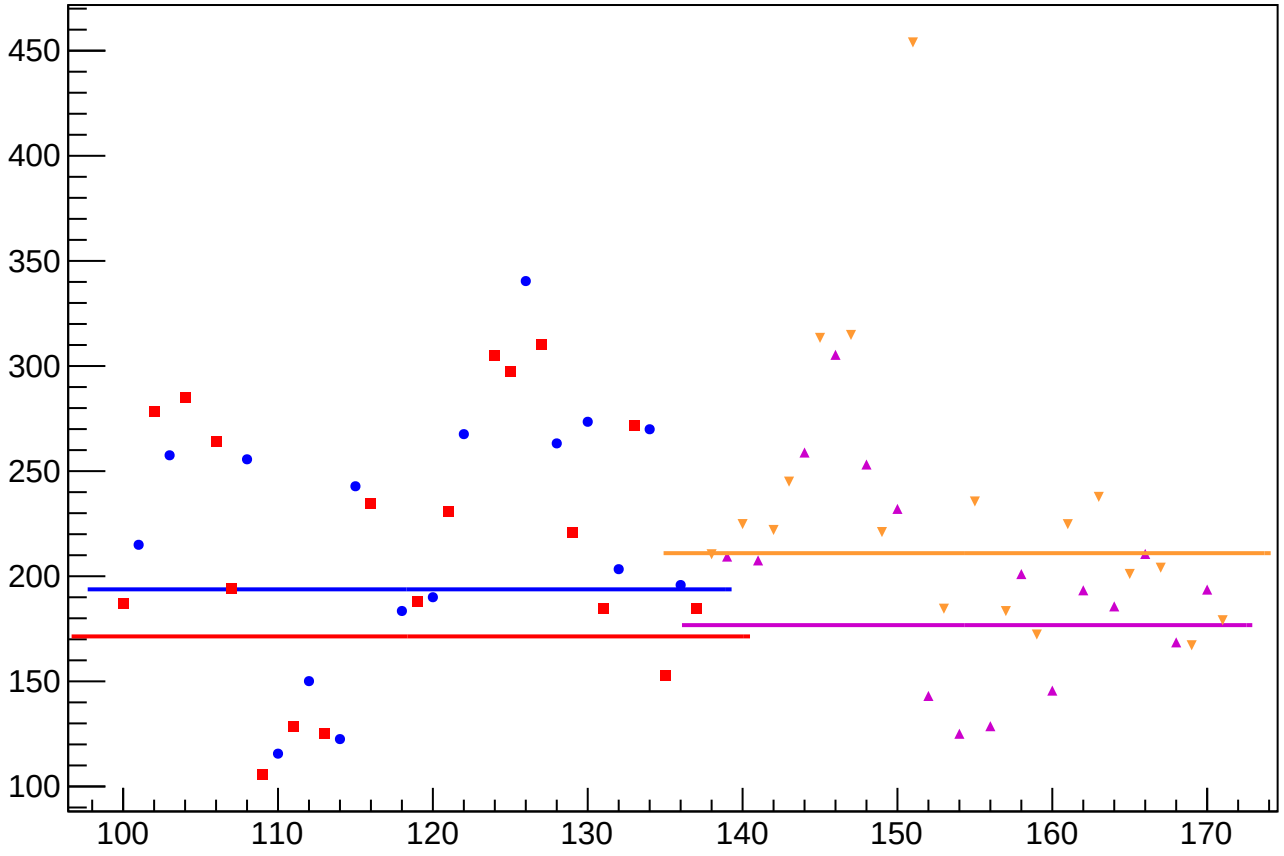
Left In: -119.157+/-51.468 χ^2/NDF:5.5/15

+ sign 74.119+/-46.155 χ^2/NDF: 26.0/33

All: 17.832+/-30.674 χ^2/NDF: 55.9/68

- sign -26.697+/-41.052 χ^2/NDF: 27.3/34

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: 210.980+/-0.041 χ^2/NDF:1206403.8/17

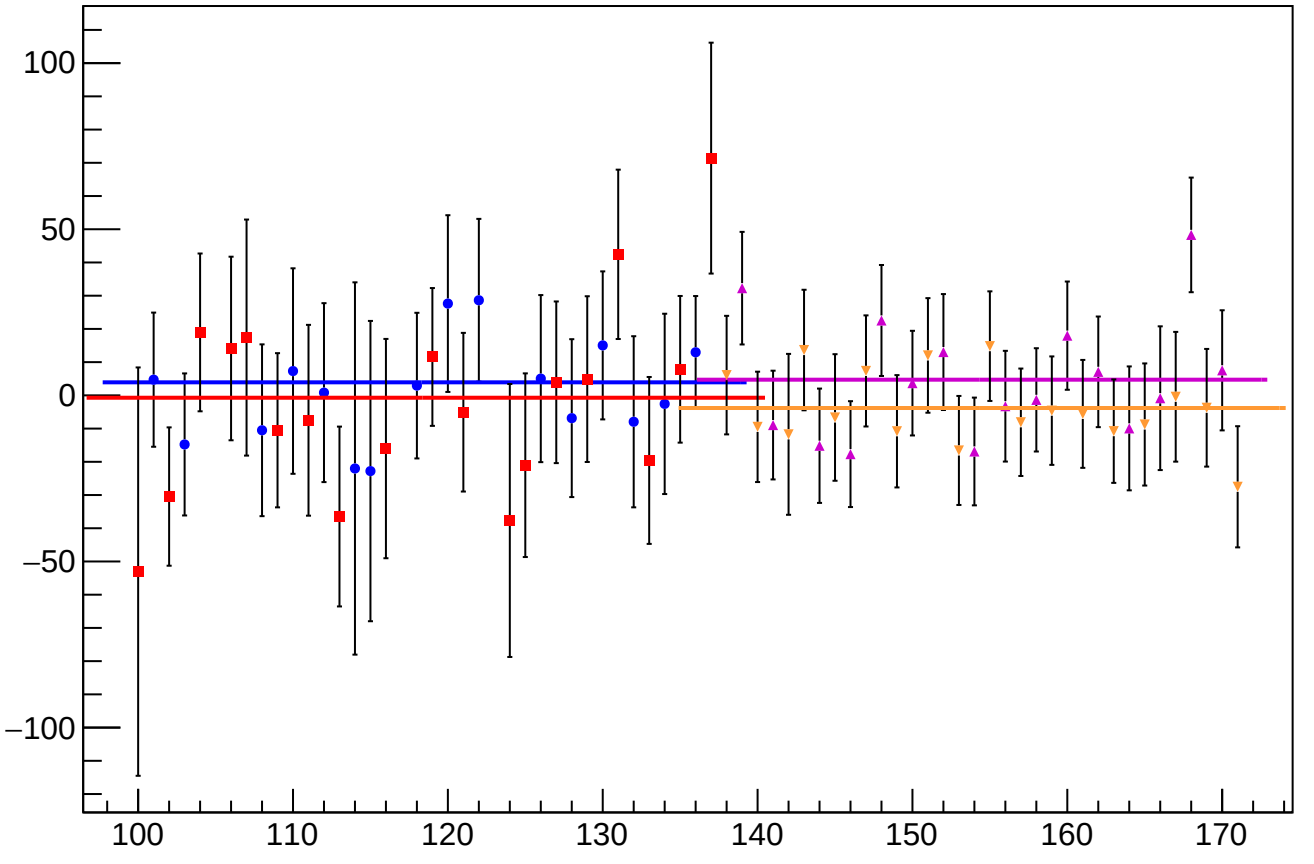
Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 176.748+/-0.036 χ^2/NDF:1532252.3/15

+ sign 204.665+/-0.033 χ^2/NDF: 2319104.6/33

All: 187.988+/-0.022 χ^2/NDF: 5984990.5/68

- sign 174.796+/-0.029 χ^2/NDF: 3198240.3/34



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.805+/-4.104 χ^2/NDF:6.9/17

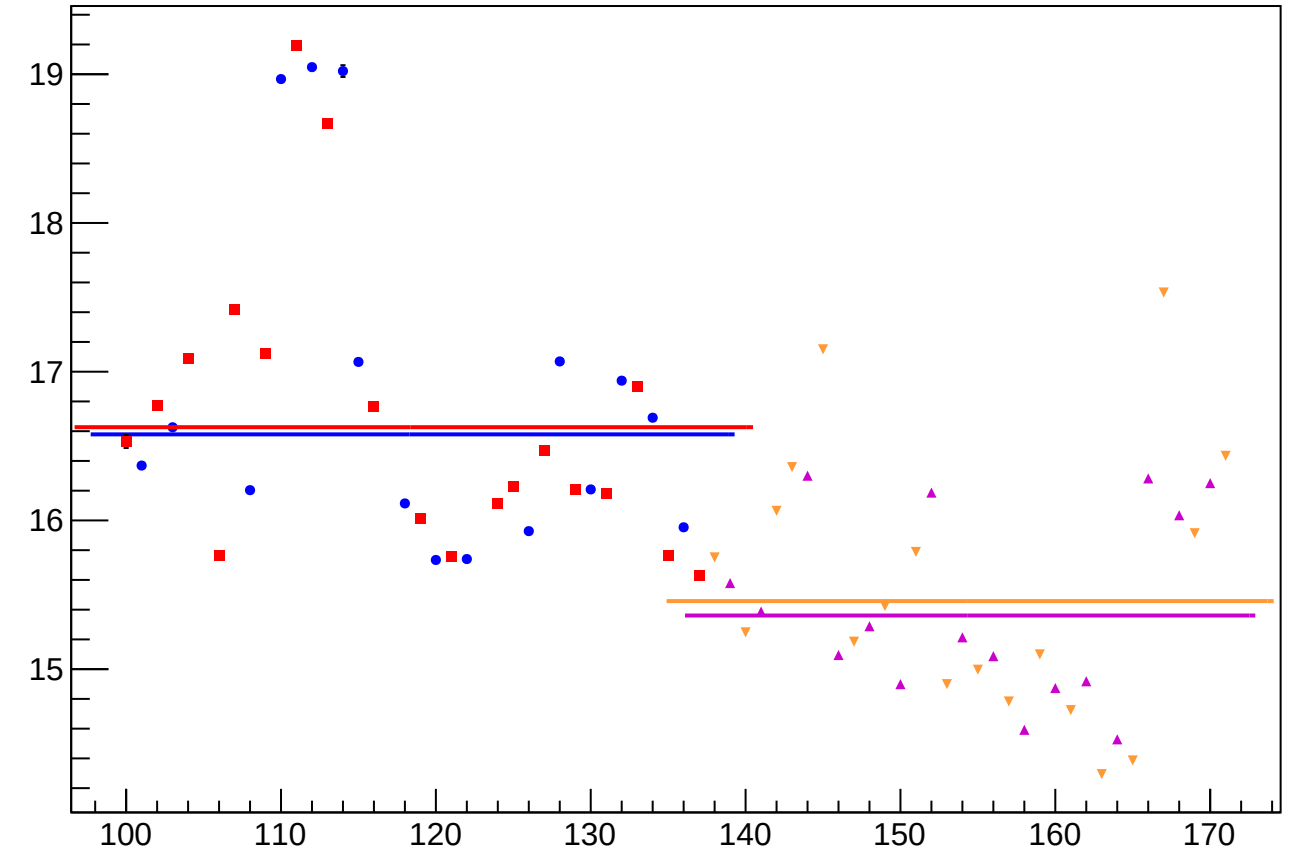
Right Out: -0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 4.717+/-4.234 χ^2/NDF:18.0/15

+ sign -1.435+/-3.418 χ^2/NDF: 12.5/33

All: 0.718+/-2.436 χ^2/NDF: 47.7/68

- sign 2.942+/-3.474 χ^2/NDF: 34.4/34



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.458+/-0.003 χ^2/NDF:84126.0/17

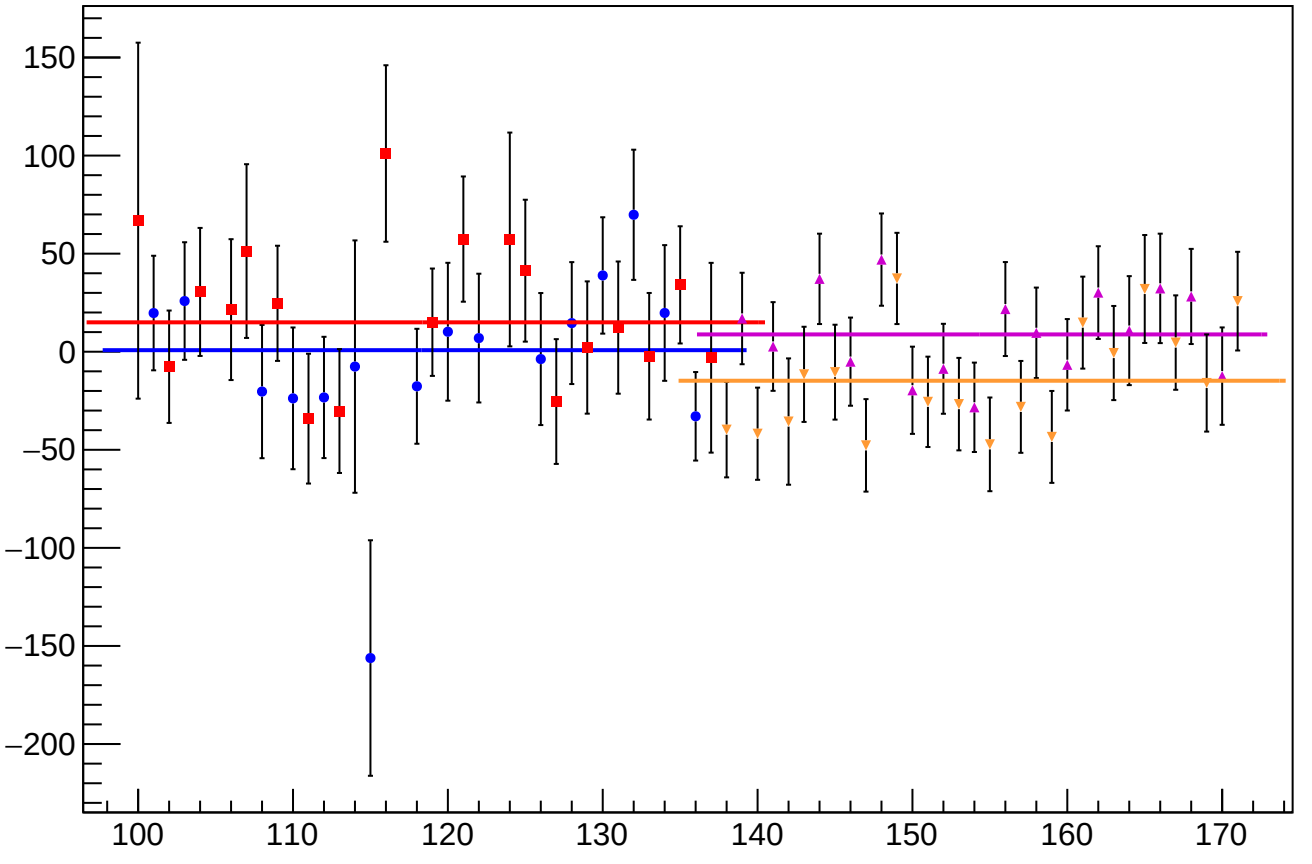
Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.361+/-0.003 χ^2/NDF:37414.2/15

+ sign 15.801+/-0.002 χ^2/NDF: 174450.6/33

All: 15.788+/-0.002 χ^2/NDF: 313848.8/68

- sign 15.774+/-0.002 χ^2/NDF: 139337.1/34



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -14.794+/-5.734 χ^2/NDF:22.0/17

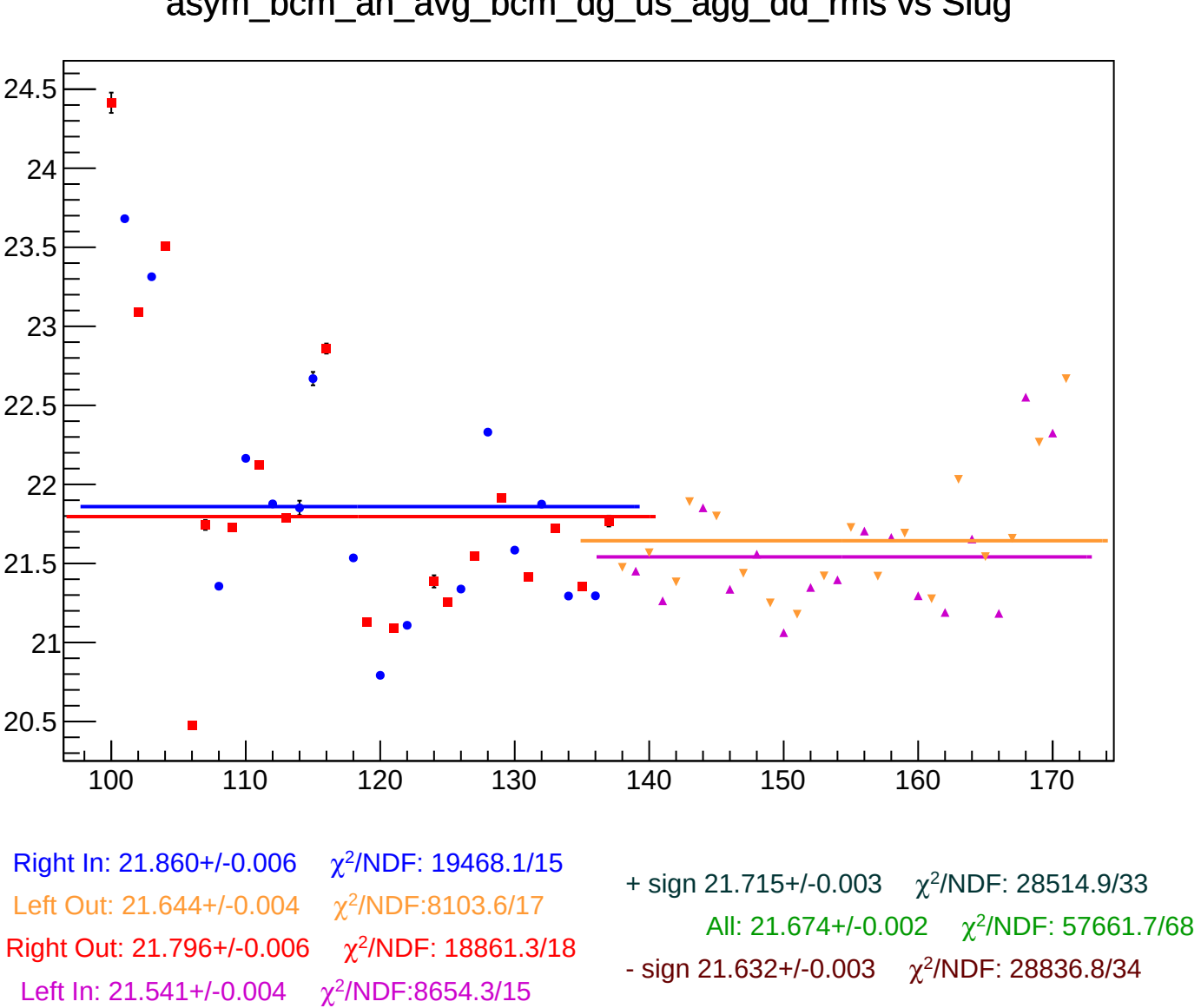
Right Out: 14.981+/-7.953 χ^2/NDF: 15.4/18

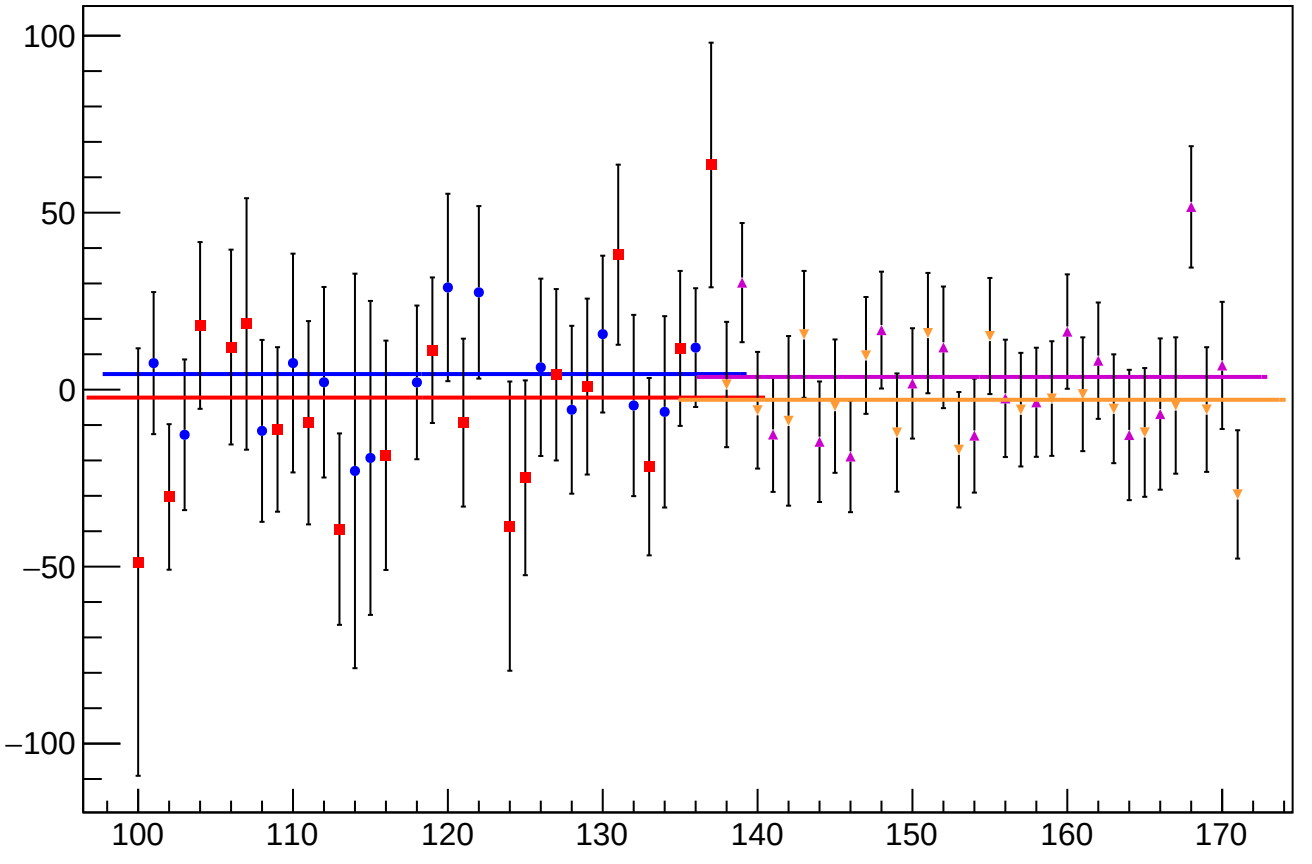
Left In: 8.823+/-5.926 χ^2/NDF:13.2/15

+ sign -9.613+/-4.685 χ^2/NDF: 43.2/33

All: 0.557+/-3.336 χ^2/NDF: 81.7/68

- sign 11.021+/-4.752 χ^2/NDF: 29.0/34


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
110
120
130
140
150
160
170
Right In: 21.860+/-0.006 χ²/NDF: 19468.1/15
Left Out: 21.644+/-0.004 χ²/NDF:8103.6/17
Right Out: 21.796+/-0.006 χ²/NDF: 18861.3/18
Left In: 21.541+/-0.004 χ²/NDF:8654.3/15
+ sign 21.715+/-0.003 χ²/NDF: 28514.9/33
All: 21.674+/-0.002 χ²/NDF: 57661.7/68
- sign 21.632+/-0.003 χ²/NDF: 28836.8/34



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.860+/-4.065 χ^2/NDF:7.8/17

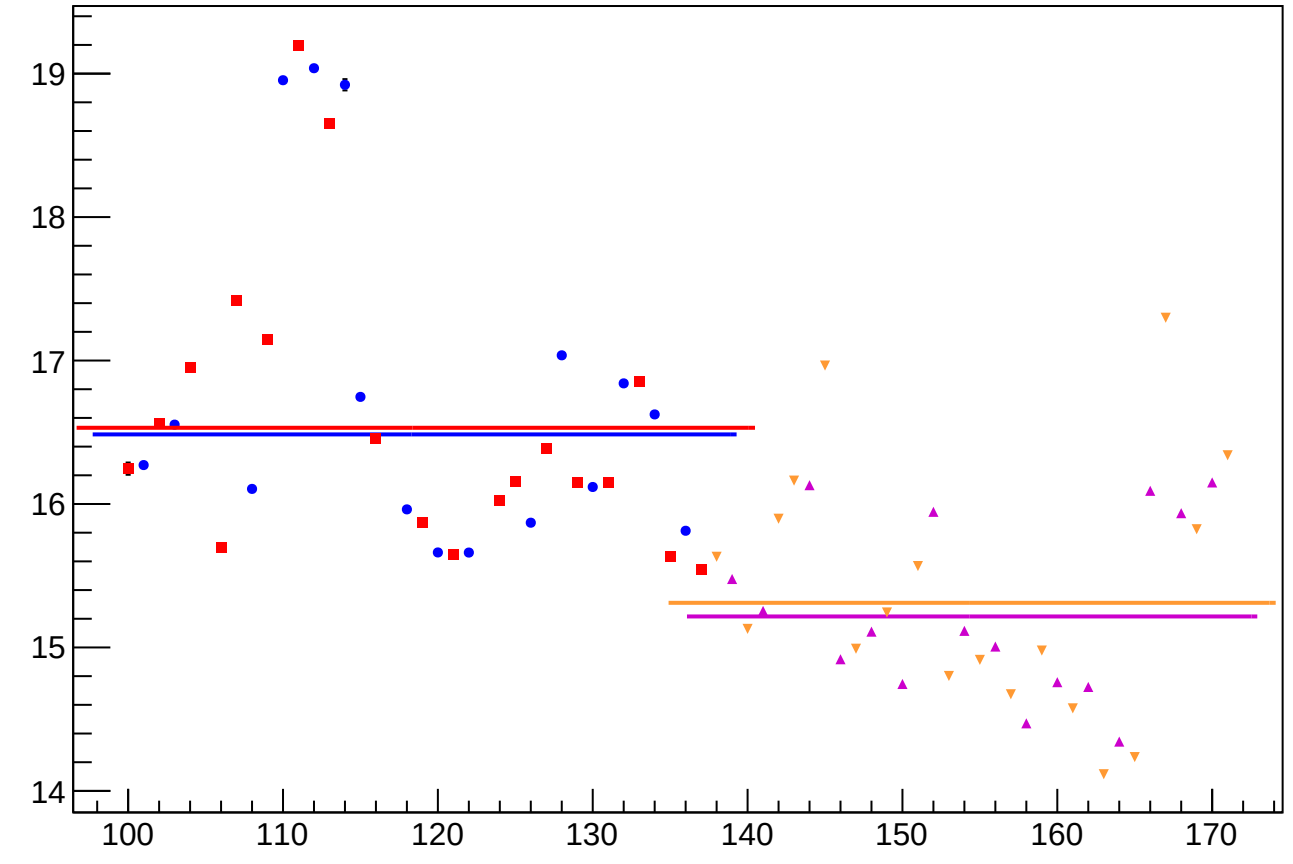
Right Out: -2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 3.594+/-4.194 χ^2/NDF:18.6/15

+ sign -0.645+/-3.389 χ^2/NDF: 13.1/33

All: 0.507+/-2.416 χ^2/NDF: 48.0/68

- sign 1.696+/-3.445 χ^2/NDF: 34.6/34



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.311+/-0.003 χ^2/NDF:83066.0/17

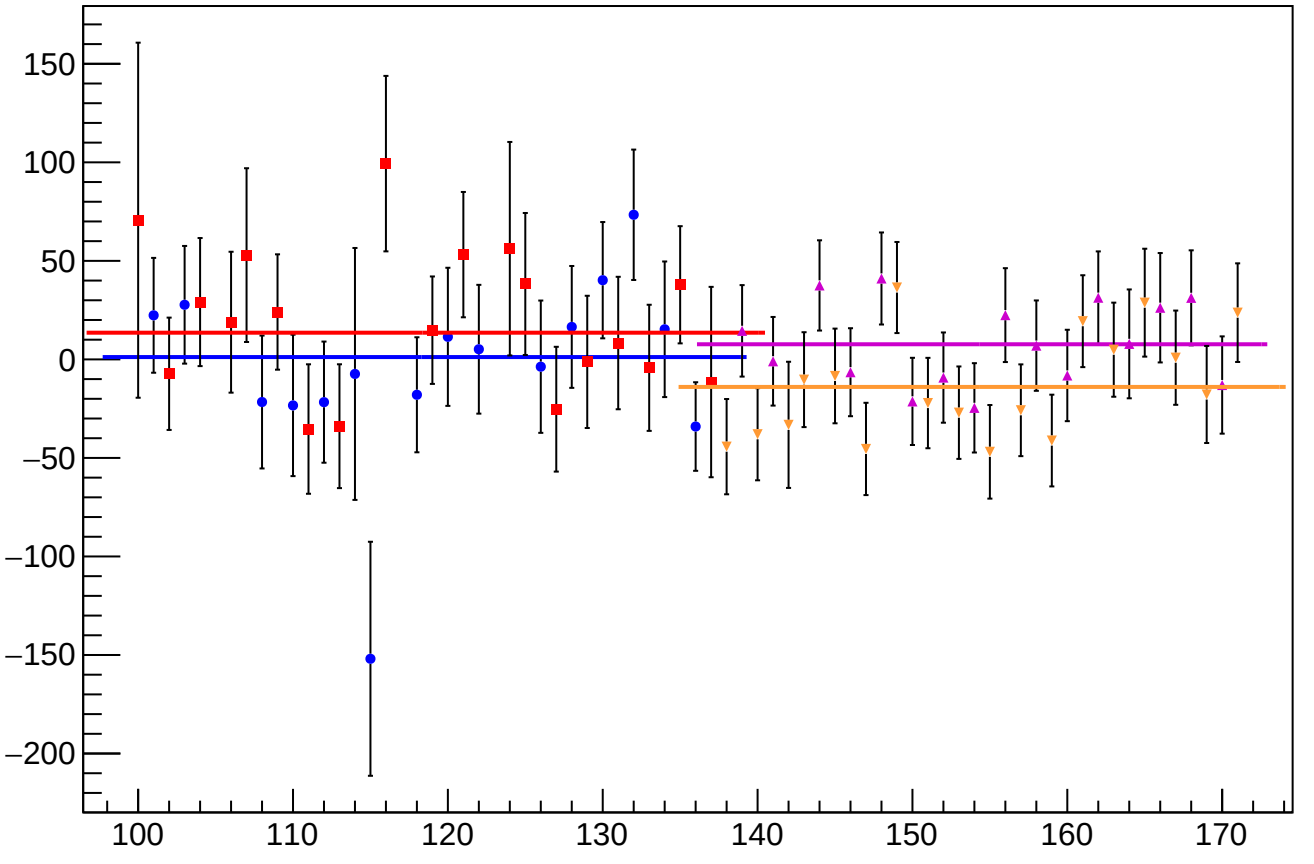
Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.216+/-0.003 χ^2/NDF:37746.6/15

+ sign 15.669+/-0.002 χ^2/NDF: 181115.6/33

All: 15.657+/-0.002 χ^2/NDF: 329338.7/68

- sign 15.644+/-0.002 χ^2/NDF: 148167.6/34



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -13.969+/-5.700 χ^2/NDF:21.4/17

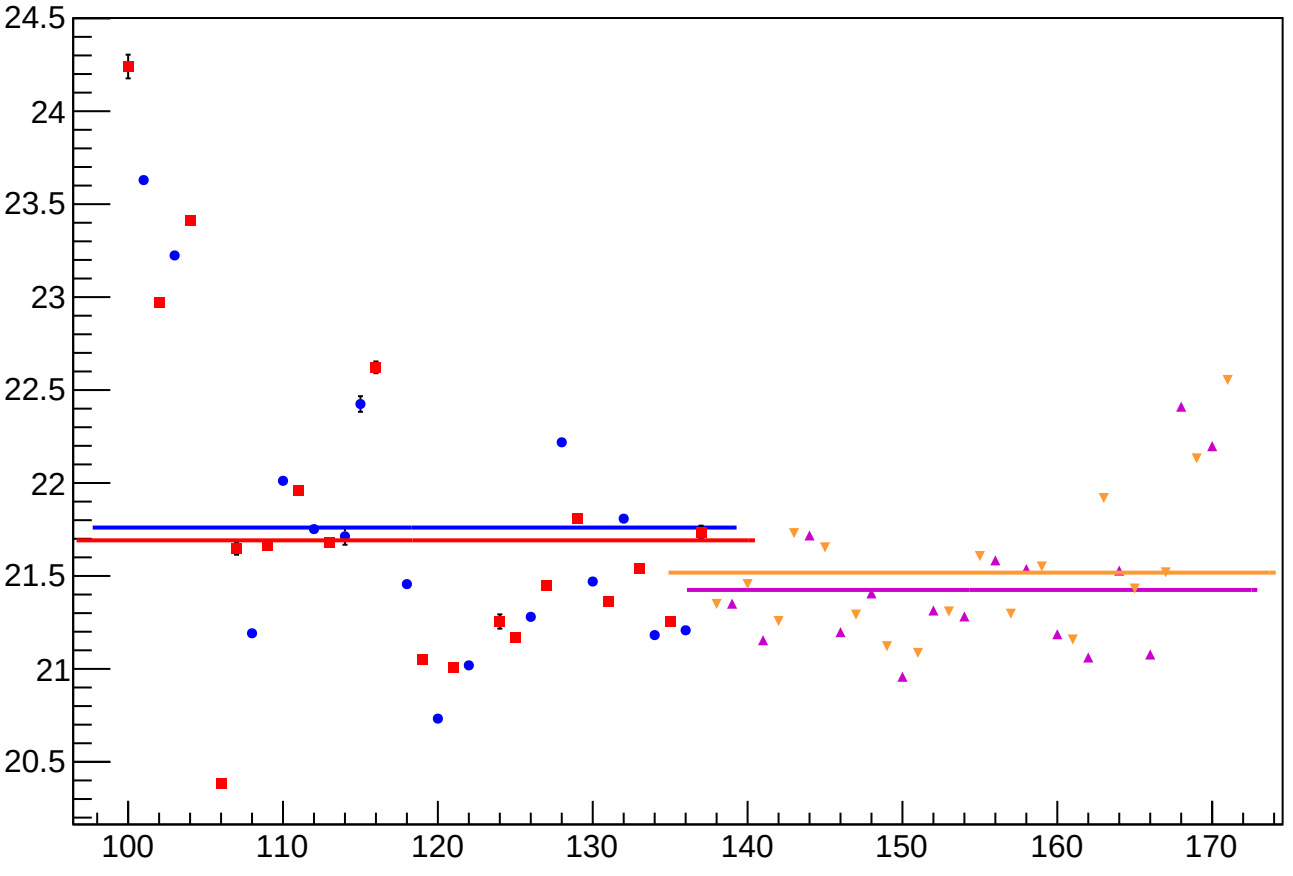
Right Out: 13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: 7.681+/-5.894 χ^2/NDF:12.6/15

\+ sign -8.940+/-4.659 χ^2/NDF: 43.2/33

All: 0.282+/-3.318 χ^2/NDF: 80.0/68

\- sign 9.774+/-4.727 χ^2/NDF: 28.9/34



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.518+/-0.004 χ^2/NDF:8049.9/17

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

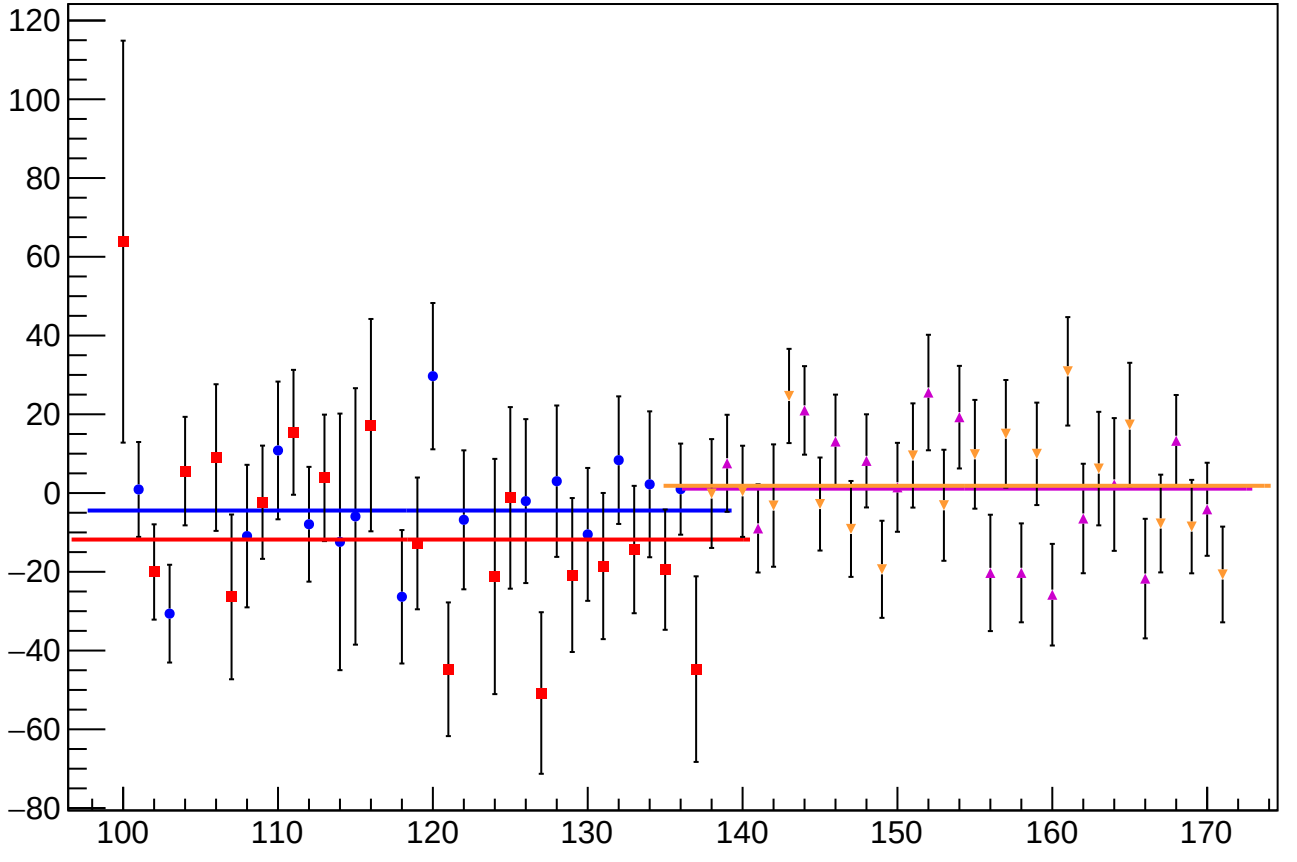
Left In: 21.425+/-0.004 χ^2/NDF:8339.1/15

+ sign 21.598+/-0.003 χ^2/NDF: 28995.6/33

All: 21.560+/-0.002 χ^2/NDF: 57404.5/68

- sign 21.520+/-0.003 χ^2/NDF: 28130.5/34

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 1.844+/-3.070 χ^2/NDF:20.1/17

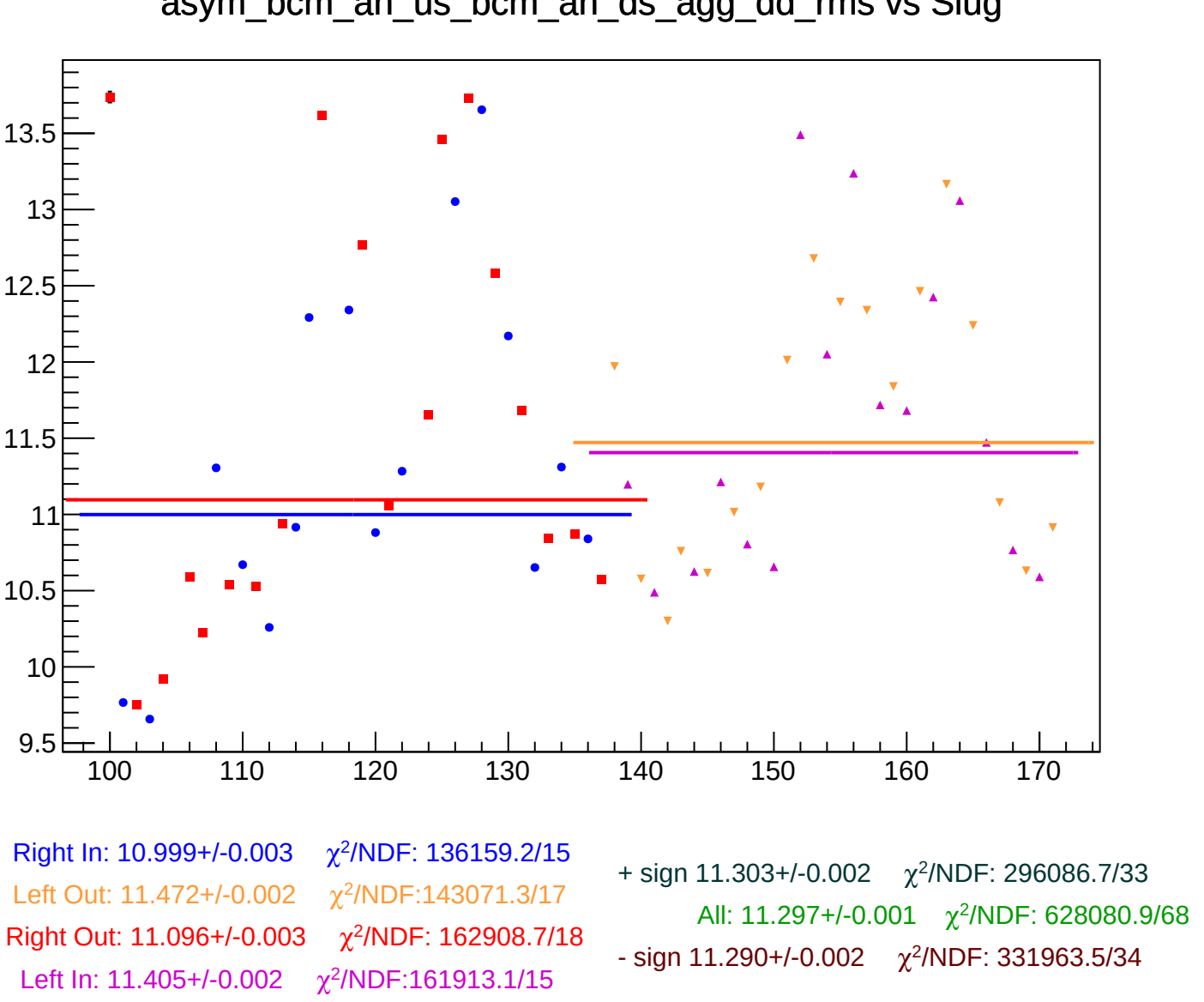
Right Out: -11.807+/-4.097 χ^2/NDF: 21.7/18

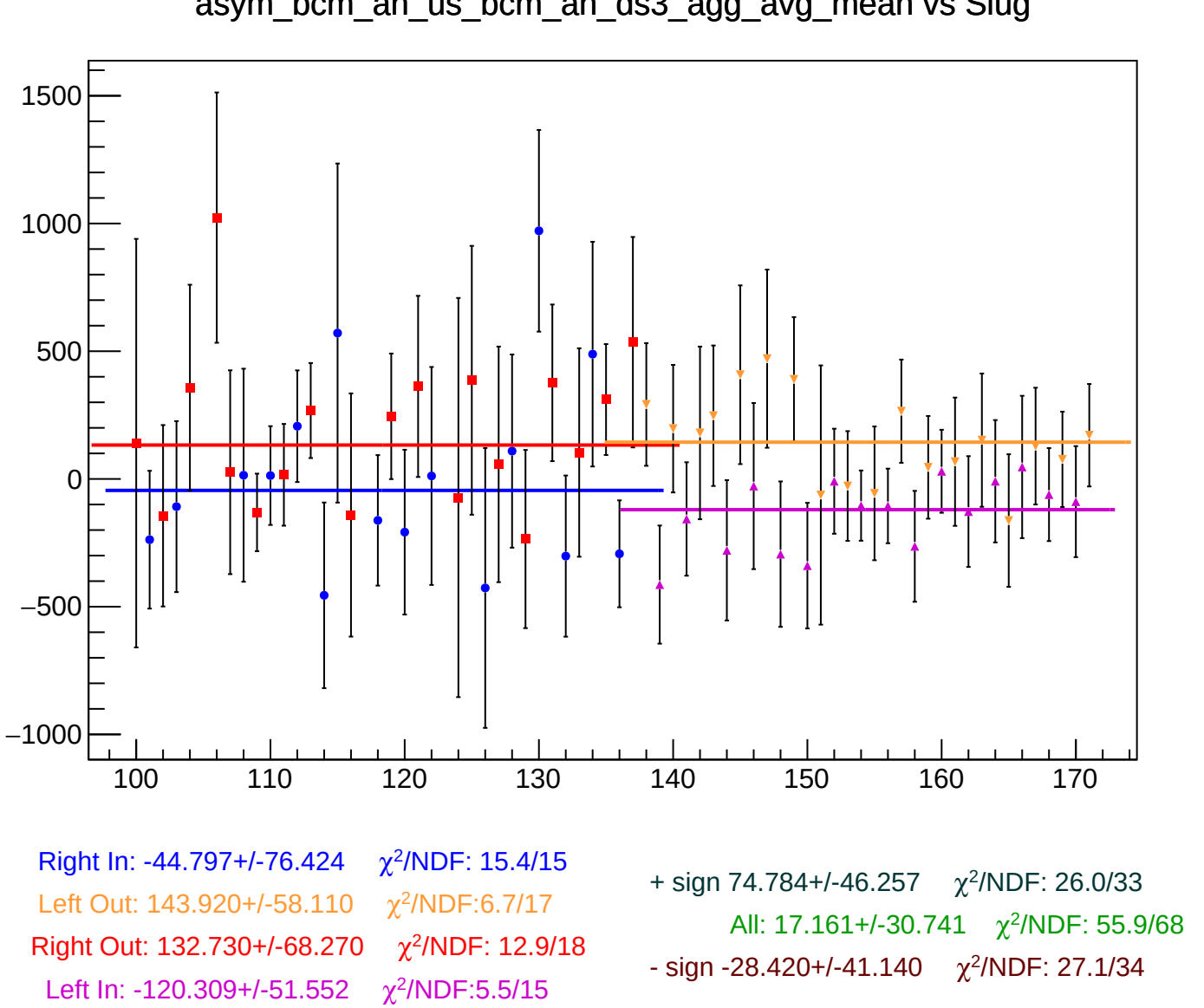
Left In: 1.116+/-3.169 χ^2/NDF:23.5/15

+ sign -0.392+/-2.464 χ^2/NDF: 33.6/33

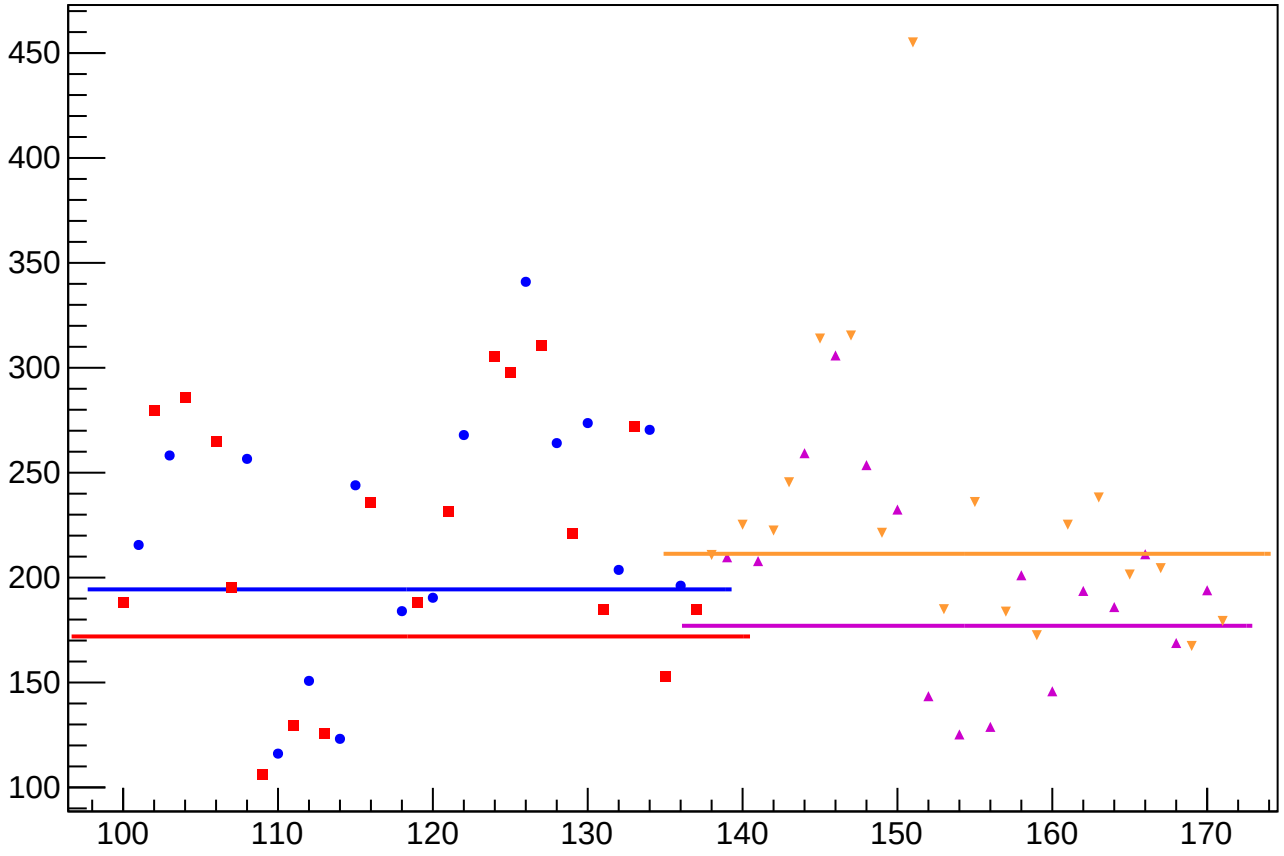
All: -2.028+/-1.757 χ^2/NDF: 86.0/68

- sign -3.721+/-2.507 χ^2/NDF: 51.5/34


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
170
Right In: 10.999+/-0.003 χ²/NDF: 136159.2/15
Left Out: 11.472+/-0.002 χ²/NDF:143071.3/17
Right Out: 11.096+/-0.003 χ²/NDF: 162908.7/18
Left In: 11.405+/-0.002 χ²/NDF:161913.1/15
+ sign 11.303+/-0.002 χ²/NDF: 296086.7/33
All: 11.297+/-0.001 χ²/NDF: 628080.9/68
- sign 11.290+/-0.002 χ²/NDF: 331963.5/34


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 143.920+/-58.110 χ²/NDF:6.7/17
Right Out: 132.730+/-68.270 χ²/NDF: 12.9/18
Left In: -120.309+/-51.552 χ²/NDF:5.5/15
+ sign 74.784+/-46.257 χ²/NDF: 26.0/33
All: 17.161+/-30.741 χ²/NDF: 55.9/68
- sign -28.420+/-41.140 χ²/NDF: 27.1/34

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.348+/-0.041 χ^2/NDF:1207541.4/17

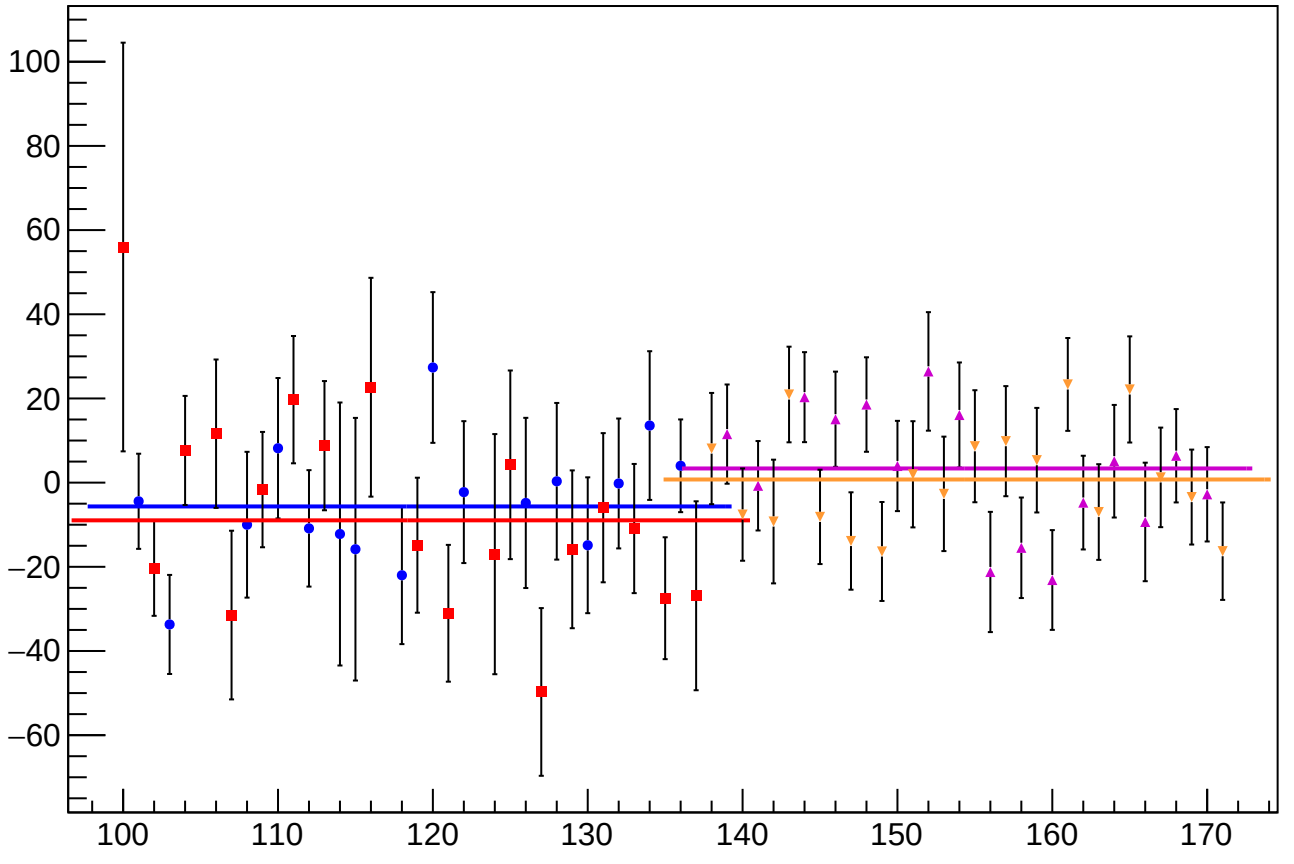
Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.033+/-0.036 χ^2/NDF:1532637.7/15

+ sign 205.133+/-0.033 χ^2/NDF: 2311996.9/33

All: 188.413+/-0.022 χ^2/NDF: 5971080.6/68

- sign 175.187+/-0.029 χ^2/NDF: 3191045.4/34



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.747+/-2.846 χ^2/NDF:19.7/17

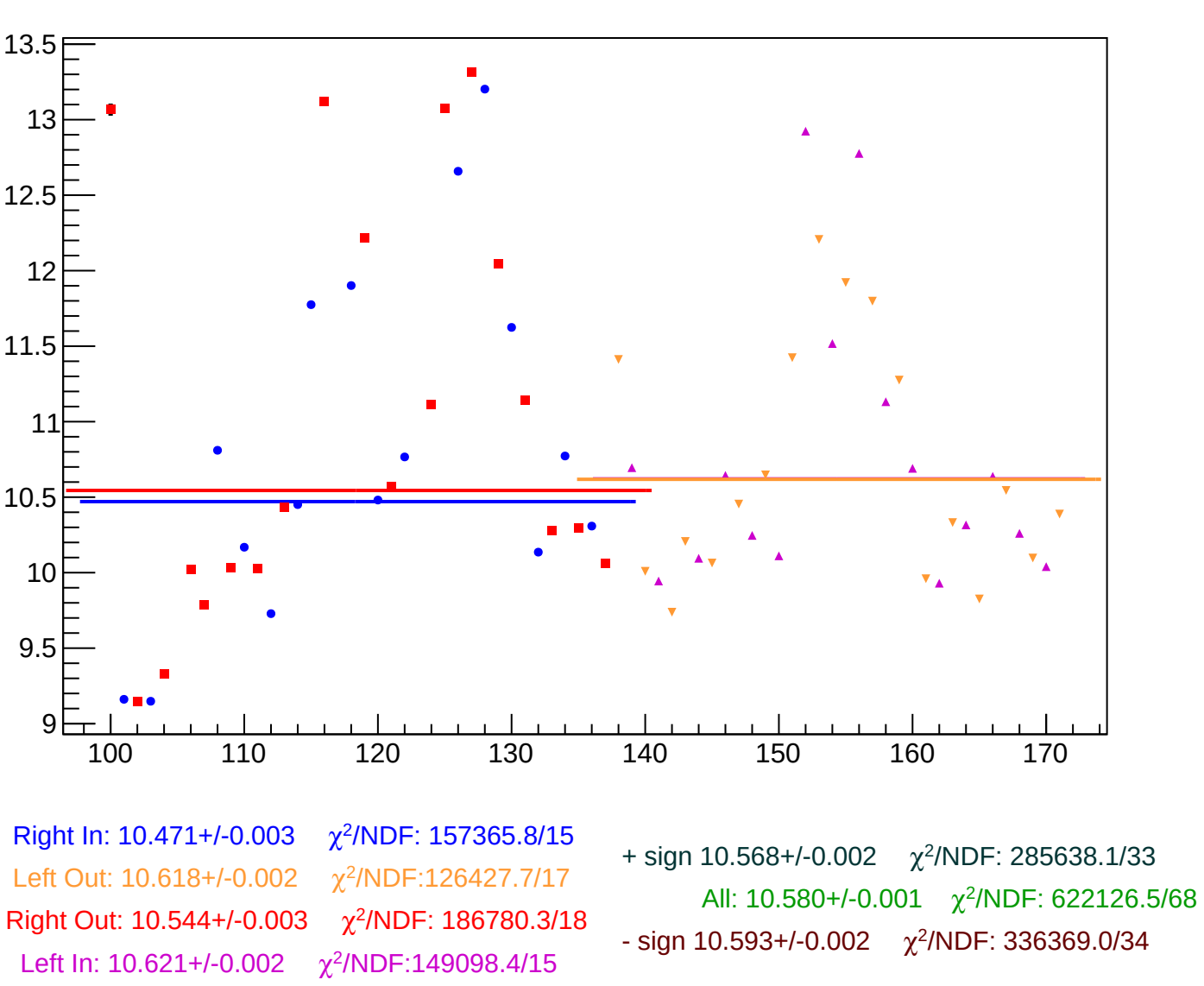
Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

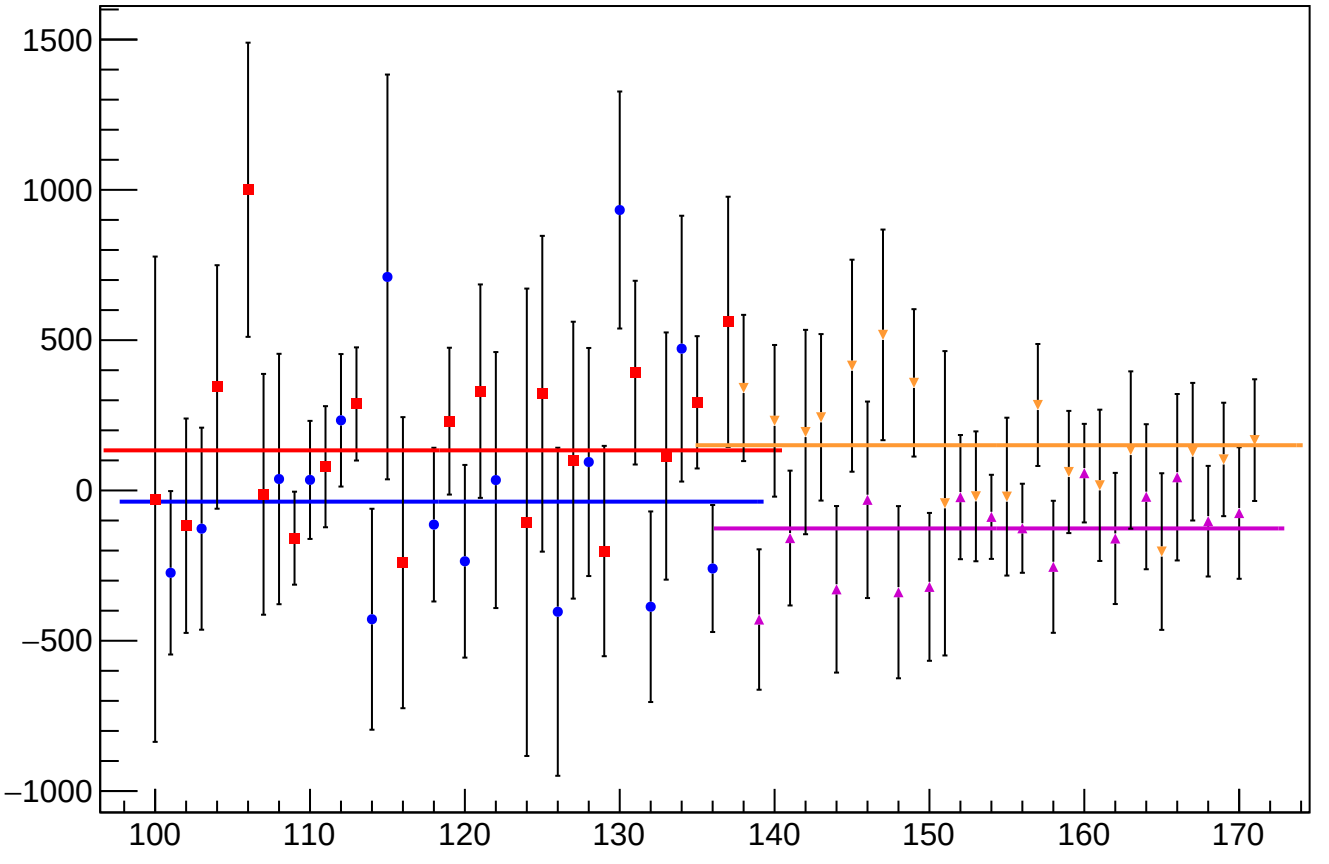
Left In: 3.366+/-2.955 χ^2/NDF:22.0/15

+ sign -1.449+/-2.307 χ^2/NDF: 35.1/33

All: -1.292+/-1.648 χ^2/NDF: 86.2/68

- sign -1.128+/-2.355 χ^2/NDF: 51.1/34


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
Right In: 10.471+/-0.003 χ²/NDF: 157365.8/15
Left Out: 10.618+/-0.002 χ²/NDF:126427.7/17
Right Out: 10.544+/-0.003 χ²/NDF: 186780.3/18
Left In: 10.621+/-0.002 χ²/NDF:149098.4/15
+ sign 10.568+/-0.002 χ²/NDF: 285638.1/33
All: 10.580+/-0.001 χ²/NDF: 622126.5/68
- sign 10.593+/-0.002 χ²/NDF: 336369.0/34



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 150.454+/-58.505 χ^2/NDF:7.2/17

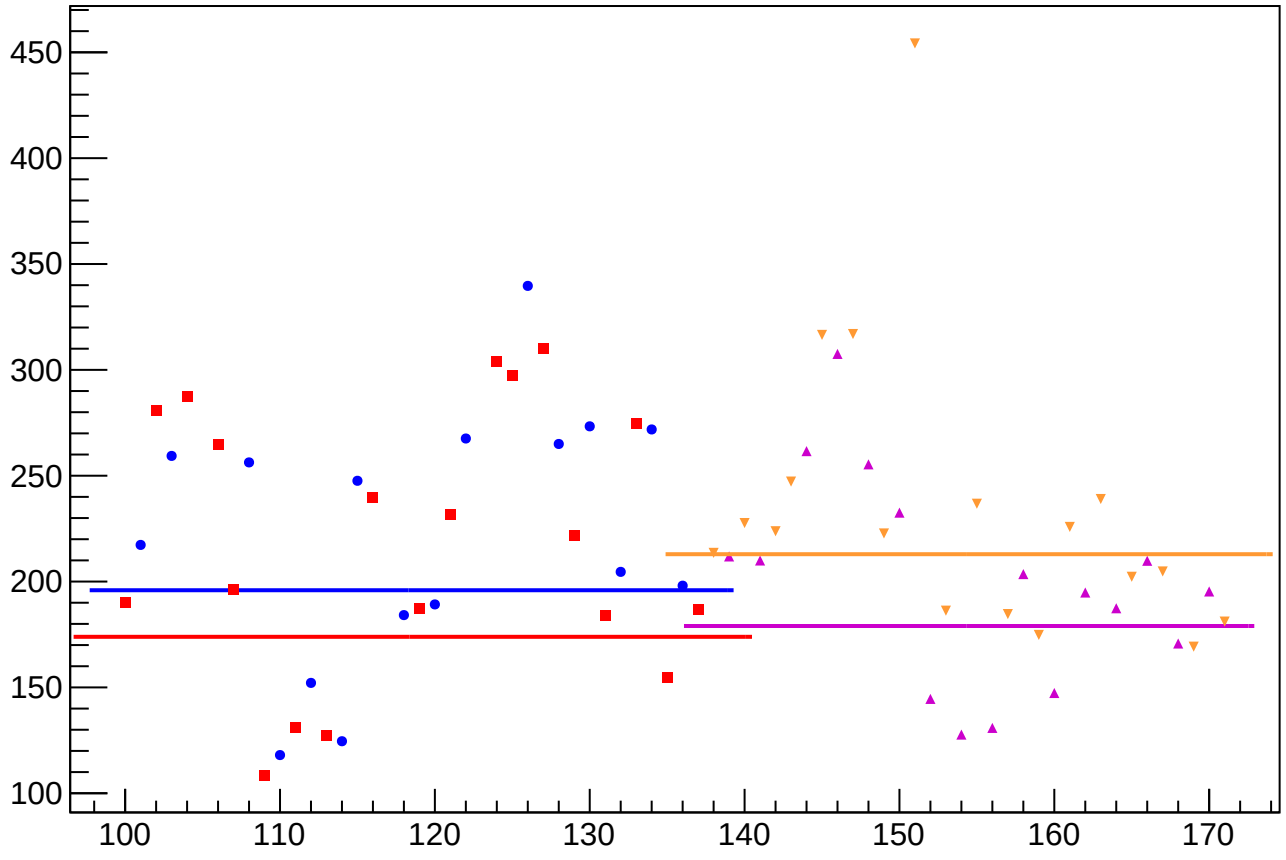
Right Out: 133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: -126.331+/-52.059 χ^2/NDF:6.1/15

+ sign 81.660+/-46.565 χ^2/NDF: 26.7/33

All: 18.403+/-30.995 χ^2/NDF: 58.0/68

- sign -31.920+/-41.532 χ^2/NDF: 28.0/34



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 212.923+/-0.041 χ^2/NDF:1189688.7/17

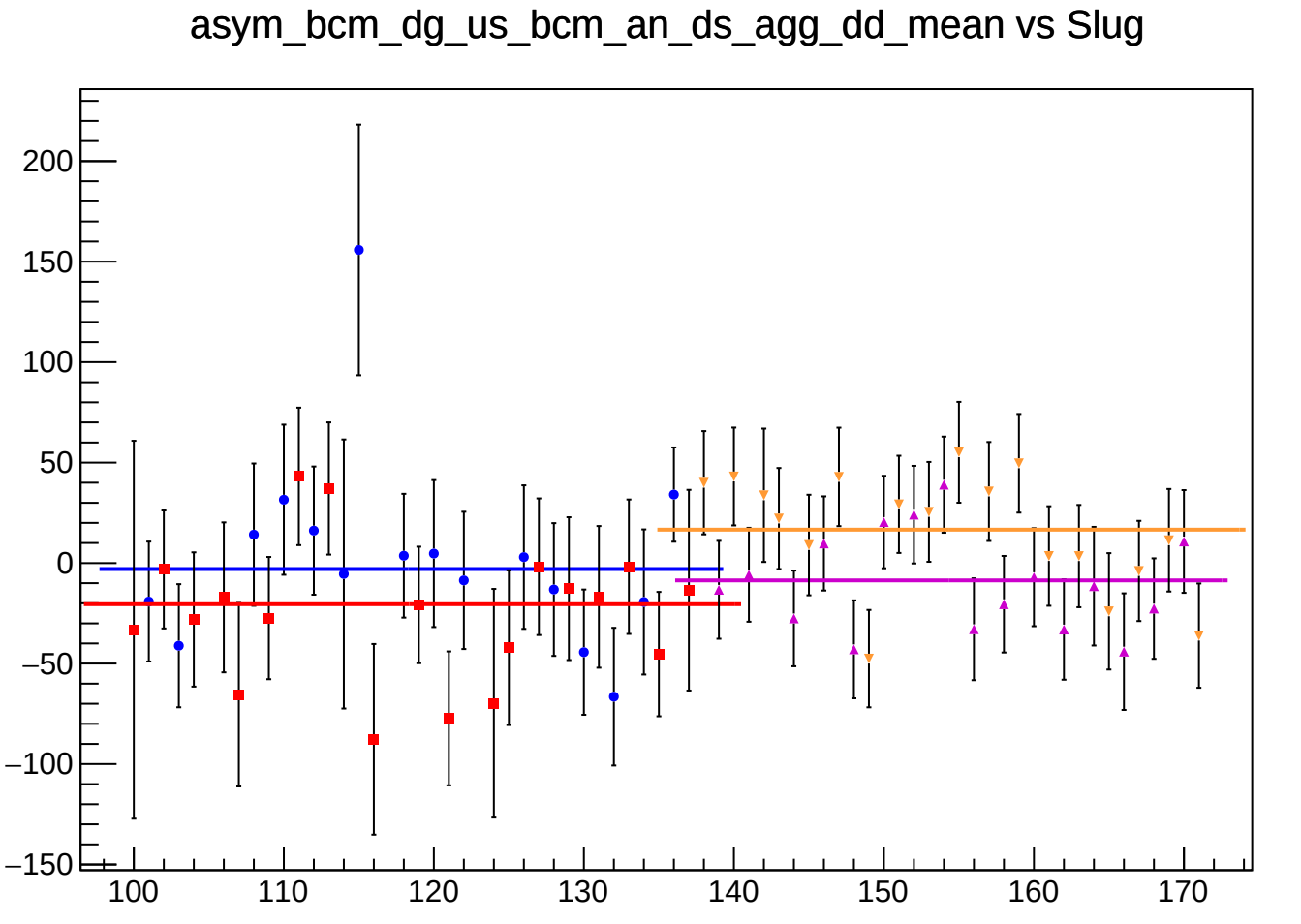
Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.008+/-0.037 χ^2/NDF:1489488.7/15

+ sign 206.684+/-0.033 χ^2/NDF: 2262765.4/33

All: 190.236+/-0.022 χ^2/NDF: 5806891.0/68

- sign 177.151+/-0.029 χ^2/NDF: 3096091.3/34



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 16.632+/-5.989 χ^2/NDF:23.1/17

Right Out: -20.457+/-8.292 χ^2/NDF: 15.3/18

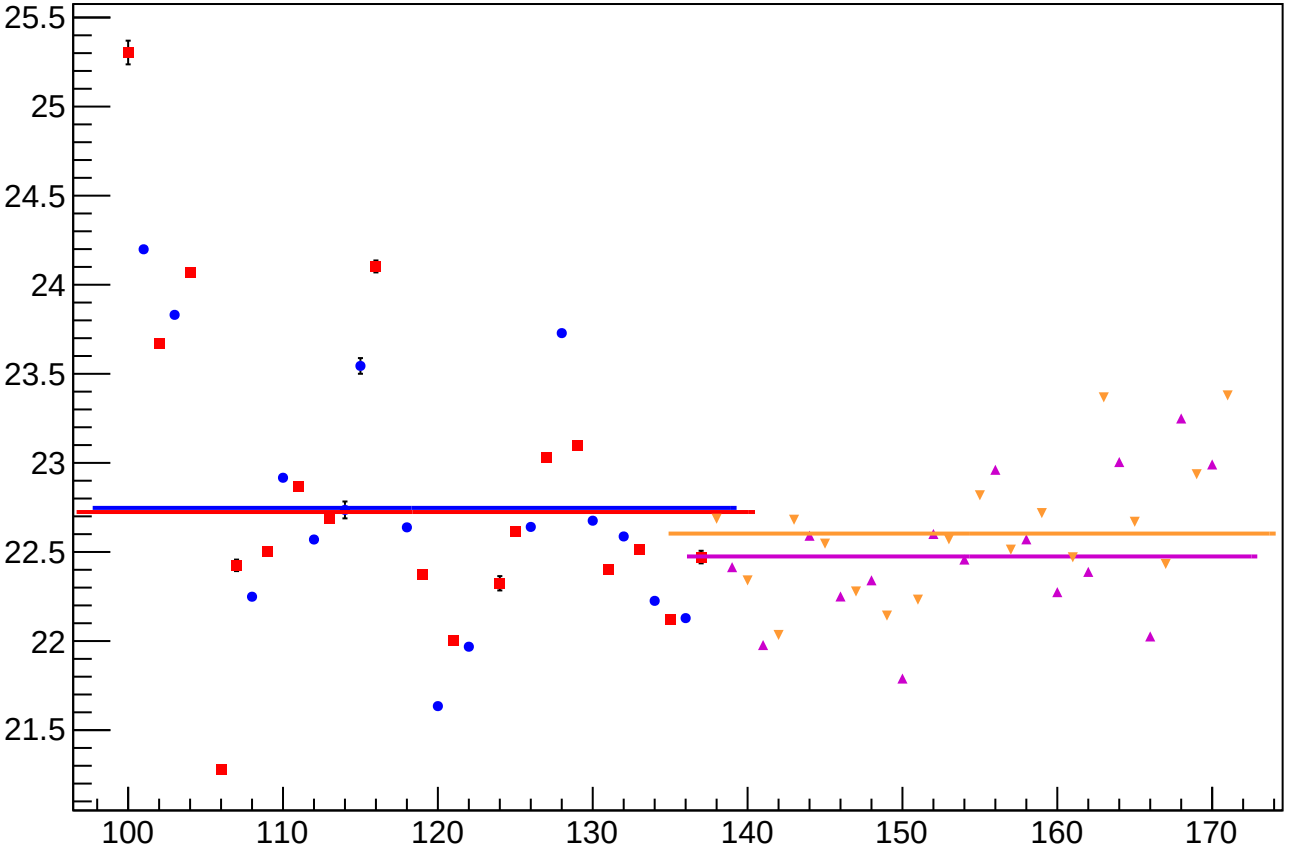
Left In: -8.621+/-6.183 χ^2/NDF:15.2/15

+ sign 10.084+/-4.887 χ^2/NDF: 44.6/33

All: -1.220+/-3.480 χ^2/NDF: 87.2/68

- sign -12.851+/-4.957 χ^2/NDF: 31.8/34

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: 22.603+/-0.004 χ^2/NDF:6729.5/17

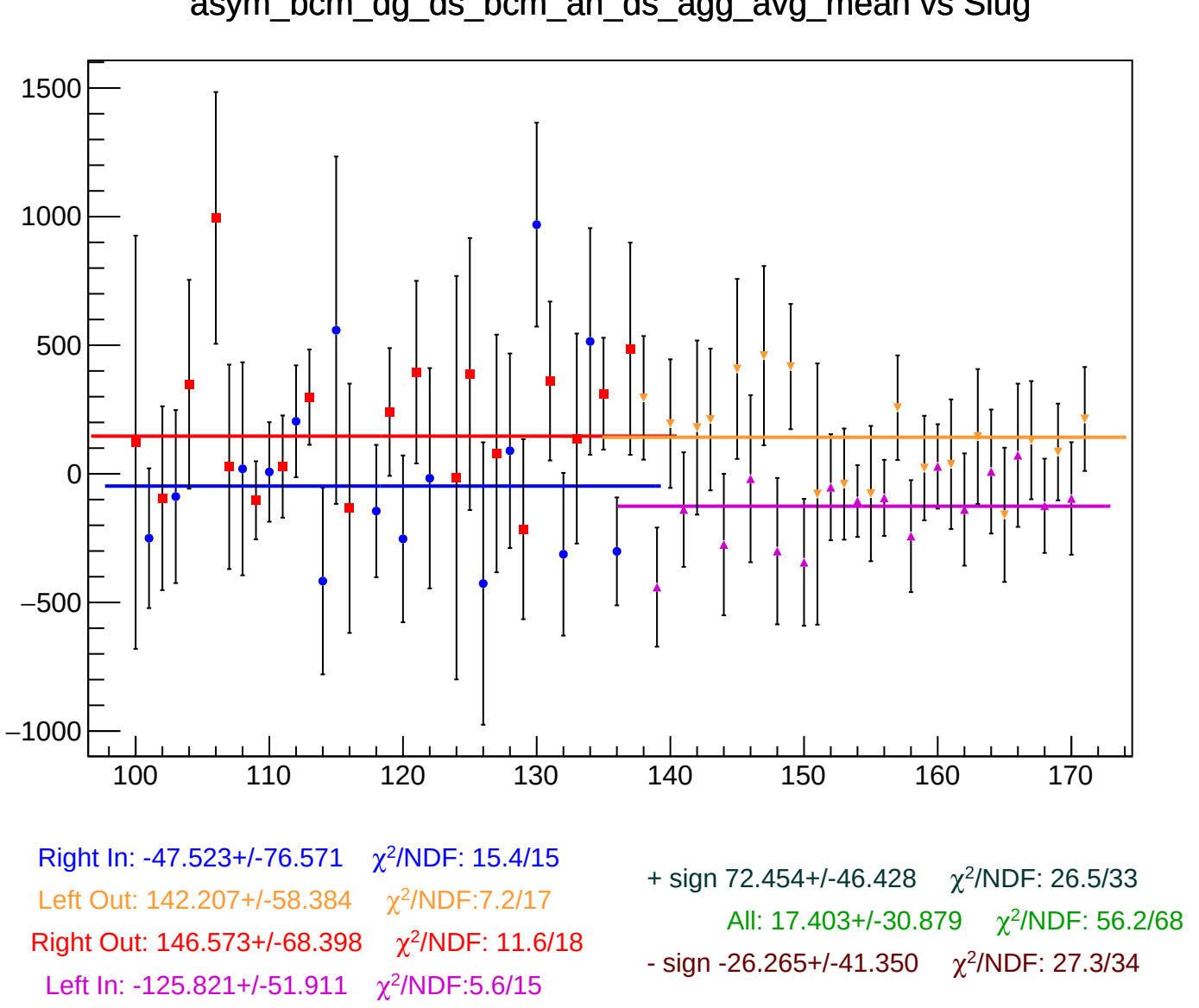
Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.475+/-0.004 χ^2/NDF:7825.2/15

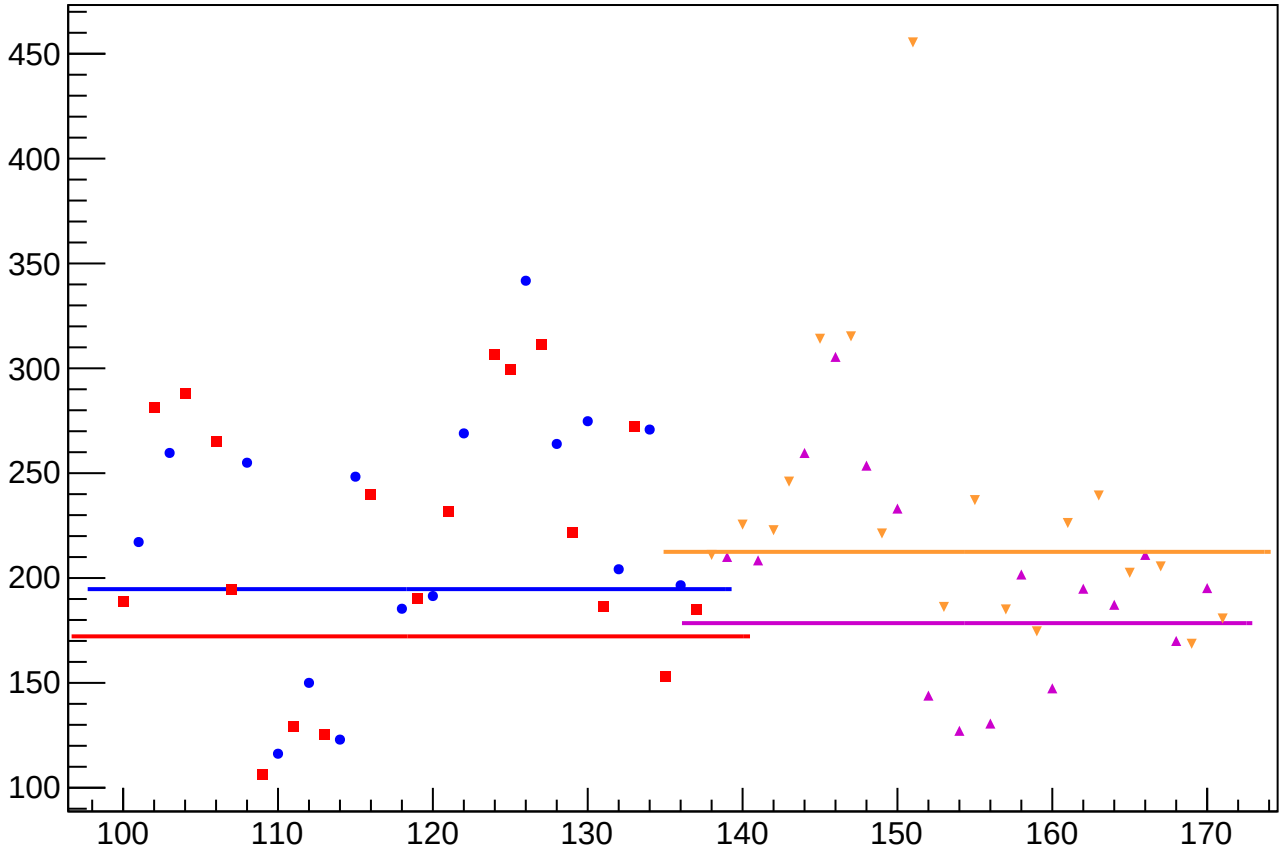
+ sign 22.651+/-0.003 χ^2/NDF: 21739.8/33

All: 22.608+/-0.002 χ^2/NDF: 45534.1/68

- sign 22.564+/-0.004 χ^2/NDF: 23478.5/34


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -47.523+/-76.571 χ²/NDF: 15.4/15
Left Out: 142.207+/-58.384 χ²/NDF:7.2/17
Right Out: 146.573+/-68.398 χ²/NDF: 11.6/18
Left In: -125.821+/-51.911 χ²/NDF:5.6/15
+ sign 72.454+/-46.428 χ²/NDF: 26.5/33
All: 17.403+/-30.879 χ²/NDF: 56.2/68
- sign -26.265+/-41.350 χ²/NDF: 27.3/34

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: 212.486+/-0.041 χ^2/NDF:1182881.7/17

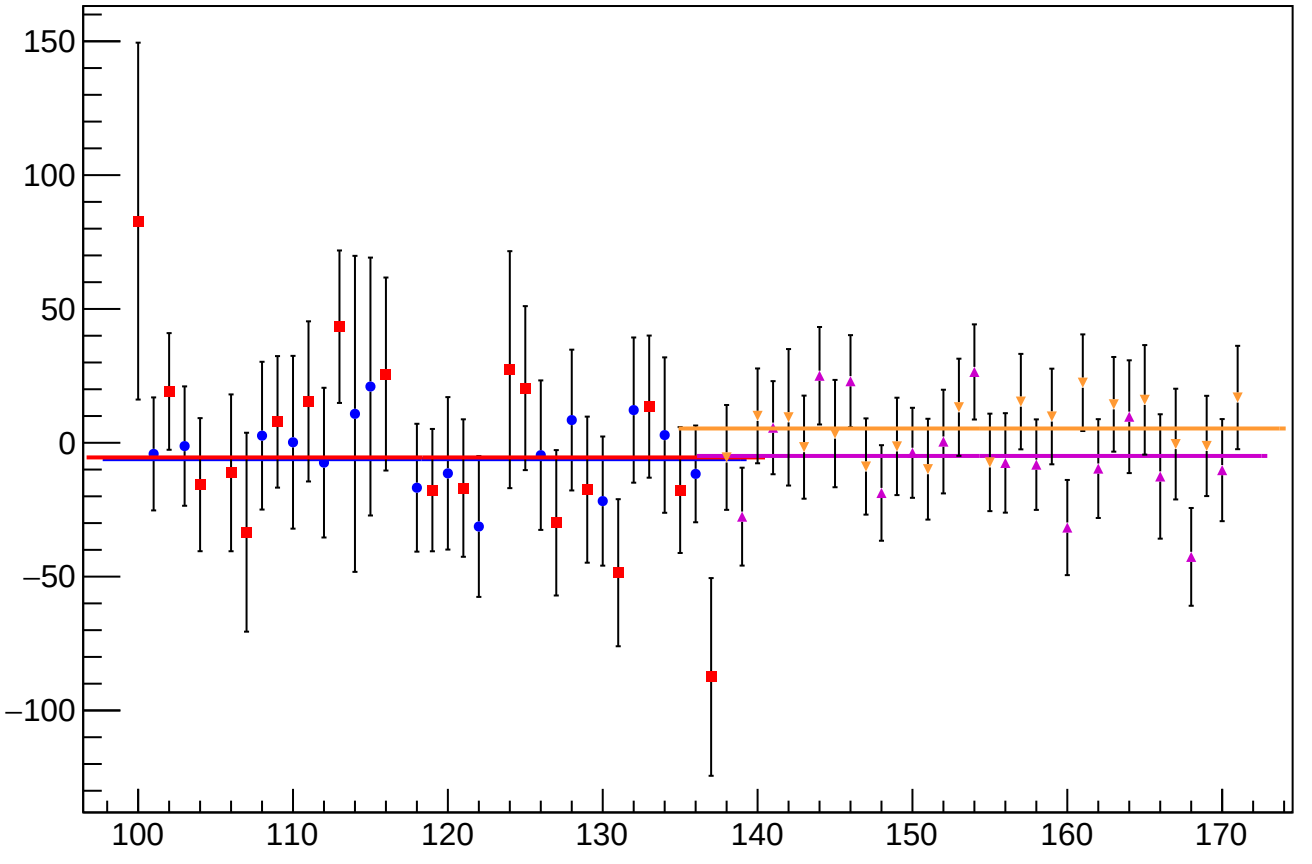
Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 178.492+/-0.037 χ^2/NDF:1479632.9/15

+ sign 205.950+/-0.033 χ^2/NDF: 2303343.3/33

All: 189.353+/-0.022 χ^2/NDF: 5923163.1/68

- sign 176.187+/-0.029 χ^2/NDF: 3161487.2/34



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.341+/-4.458 χ^2/NDF:5.0/17

Right Out: -5.470+/-6.509 χ^2/NDF: 19.2/18

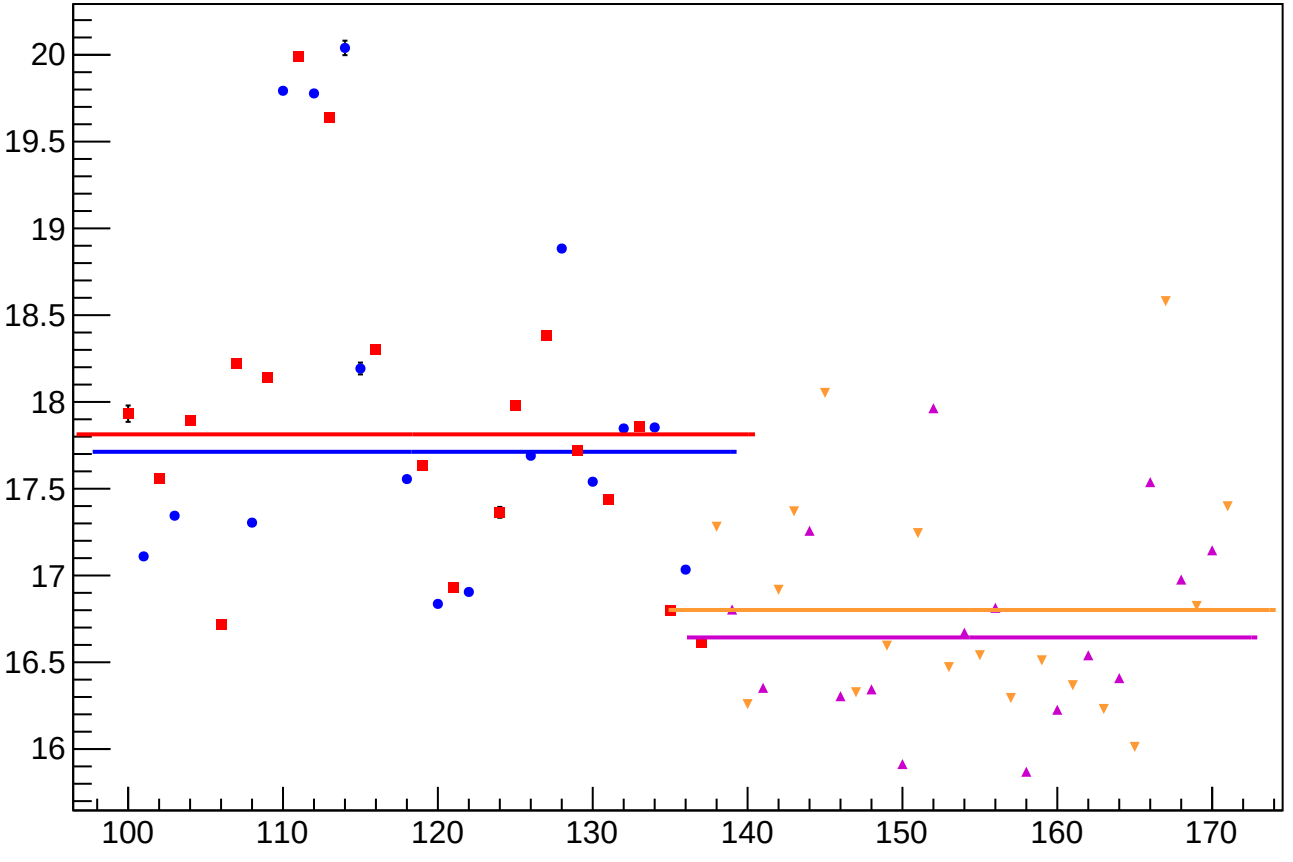
Left In: -4.915+/-4.587 χ^2/NDF:18.4/15

+ sign 1.744+/-3.693 χ^2/NDF: 10.2/33

All: -1.626+/-2.631 χ^2/NDF: 49.4/68

- sign -5.099+/-3.749 χ^2/NDF: 37.6/34

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: 16.801+/-0.003 χ^2/NDF:41535.5/17

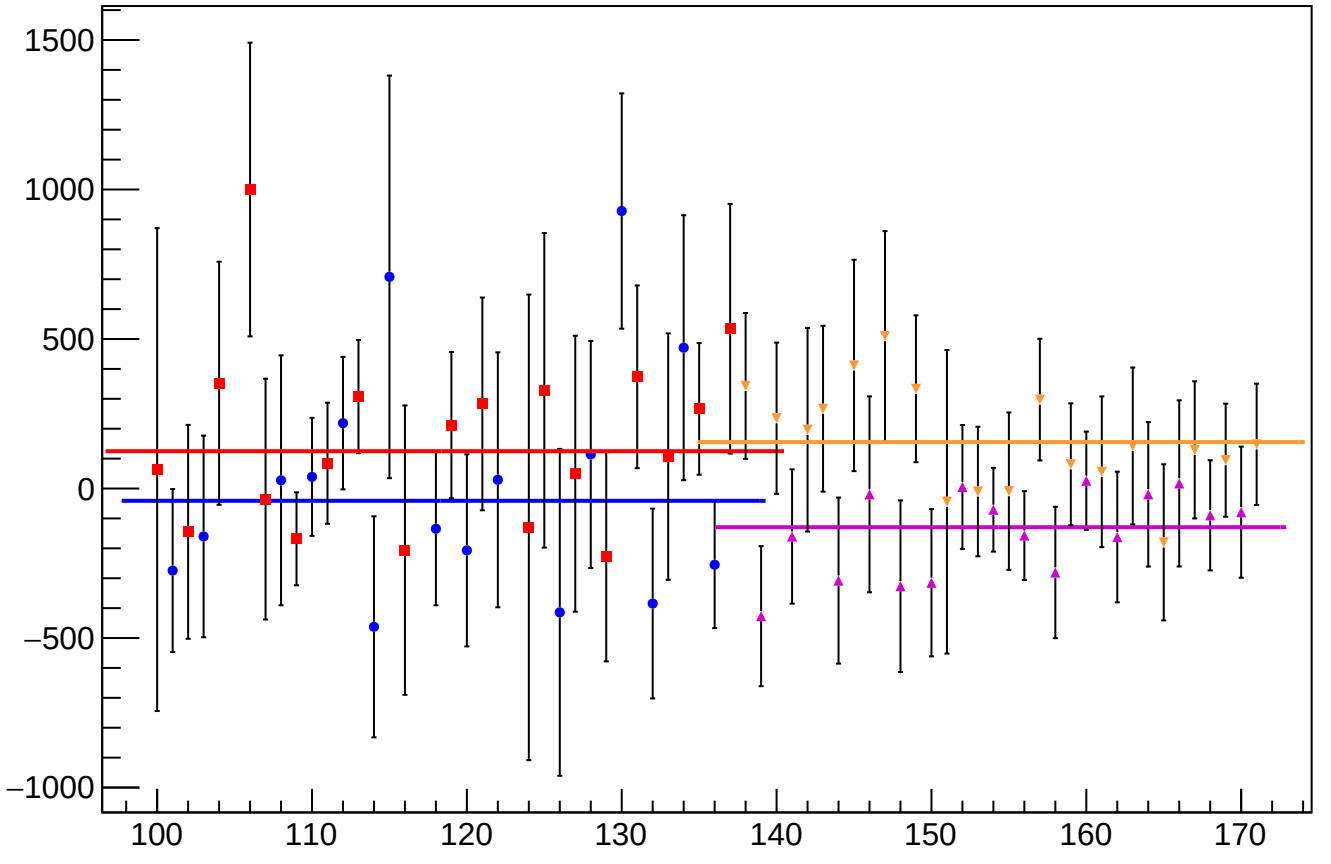
Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.643+/-0.003 χ^2/NDF:28175.7/15

+ sign 17.087+/-0.003 χ^2/NDF: 103744.8/33

All: 17.060+/-0.002 χ^2/NDF: 208052.0/68

- sign 17.031+/-0.003 χ^2/NDF: 104081.1/34



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 155.399+/-58.633 χ^2/NDF:6.6/17

Right Out: 124.872+/-69.109 χ^2/NDF: 12.9/18

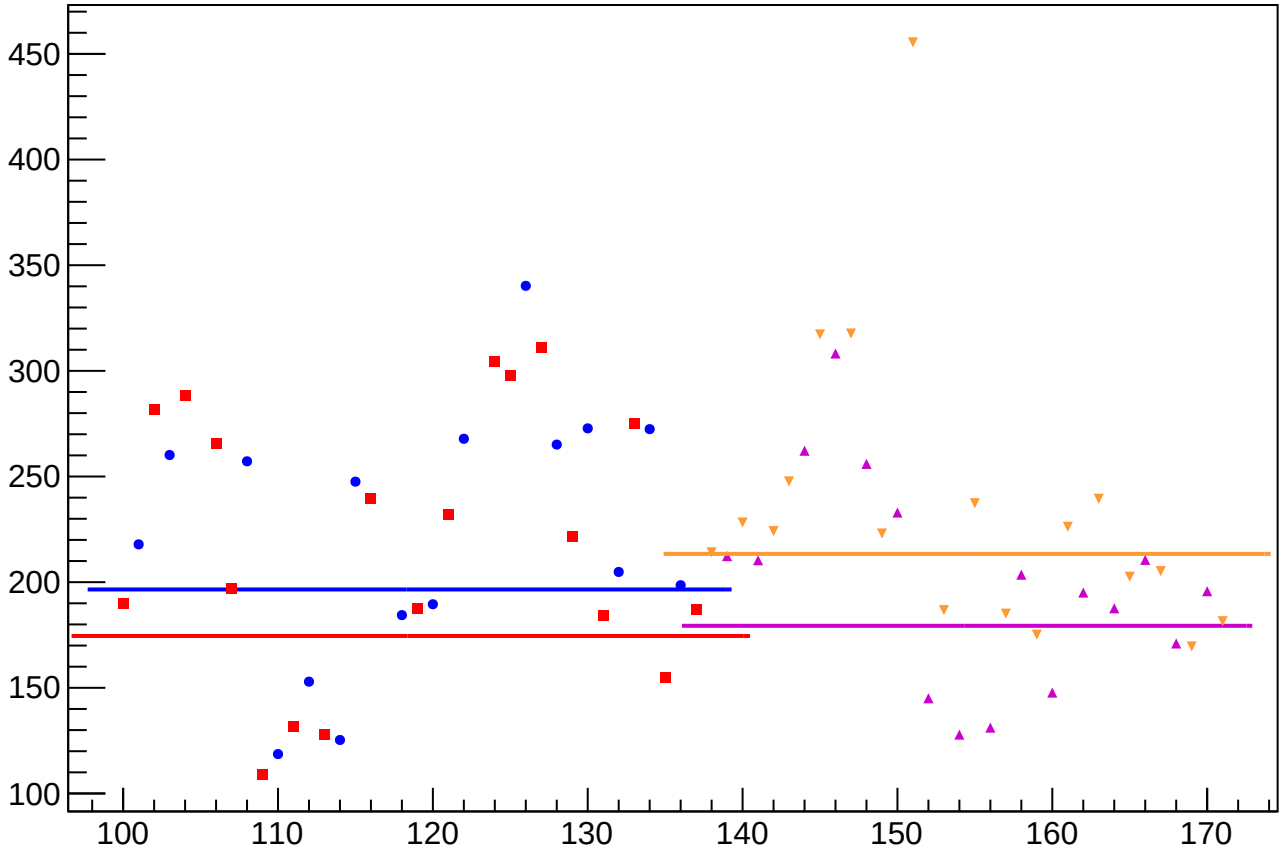
Left In: -129.418+/-52.161 χ^2/NDF:5.8/15

+ sign 83.438+/-46.679 χ^2/NDF: 26.3/33

All: 16.287+/-31.071 χ^2/NDF: 57.4/68

- sign -37.131+/-41.633 χ^2/NDF: 27.3/34

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: 213.387+/-0.041 χ^2/NDF:1189900.1/17

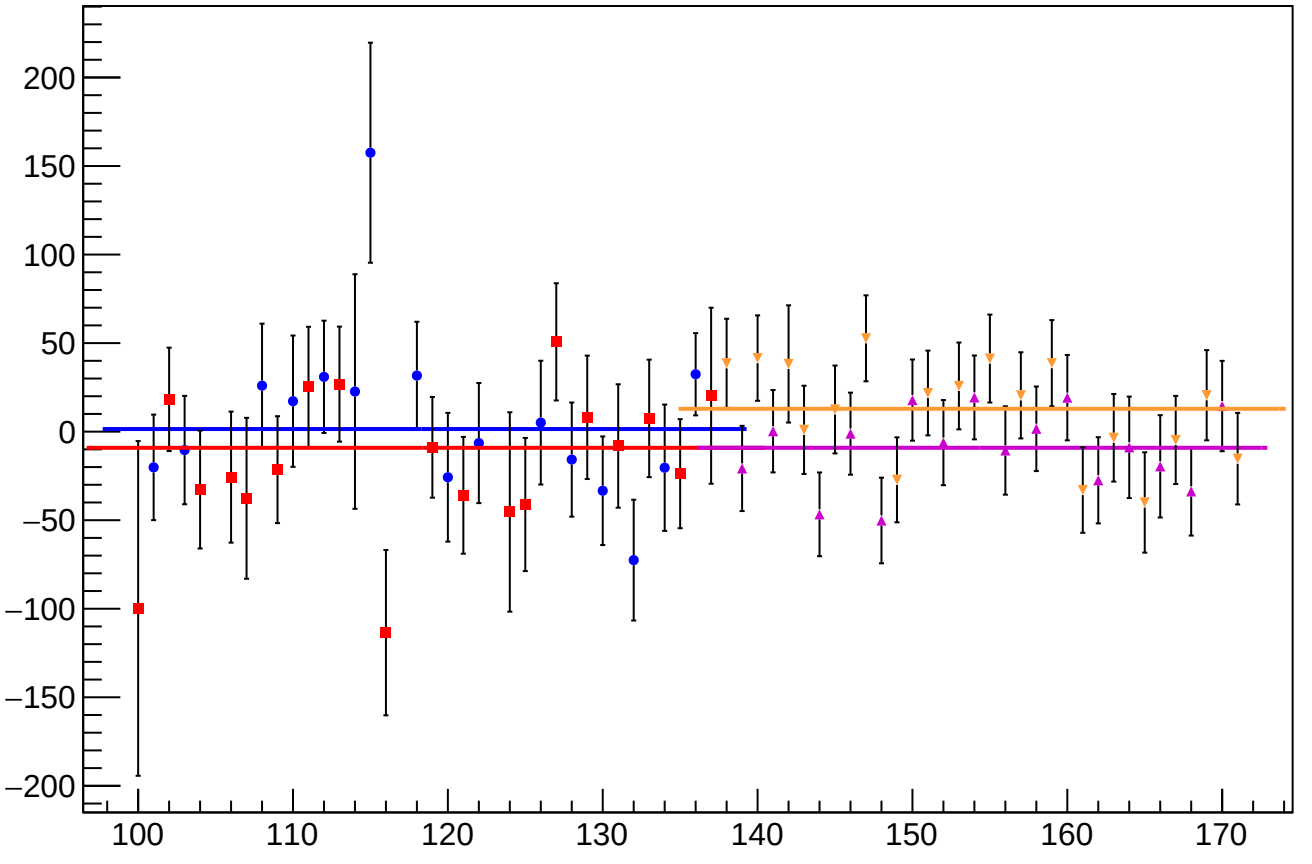
Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 179.355+/-0.037 χ^2/NDF:1489524.9/15

+ sign 207.219+/-0.033 χ^2/NDF: 2251119.5/33

All: 190.727+/-0.022 χ^2/NDF: 5783795.9/68

- sign 177.608+/-0.029 χ^2/NDF: 3084436.2/34



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 12.919+/-5.919 χ^2/NDF:21.0/17

Right Out: -9.113+/-8.198 χ^2/NDF: 16.5/18

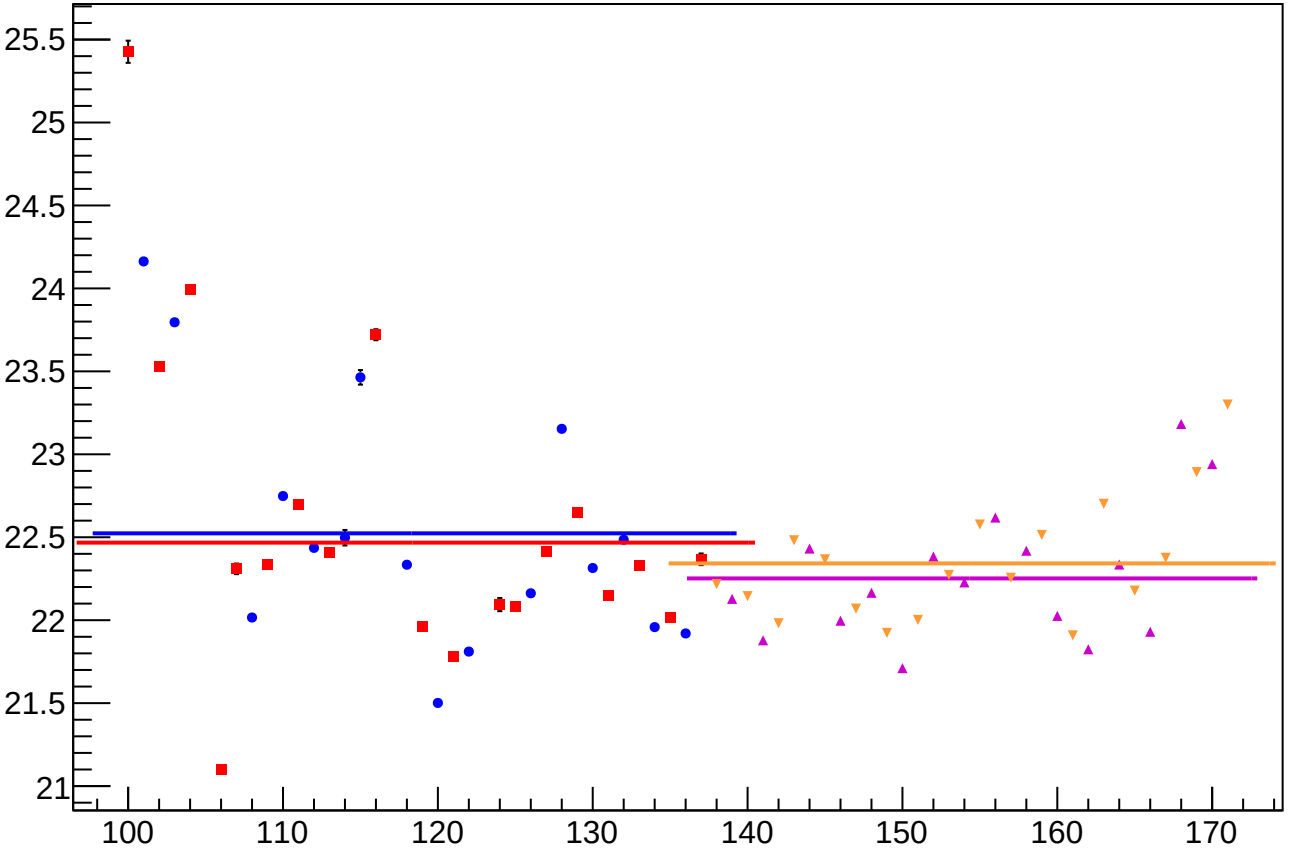
Left In: -9.107+/-6.122 χ^2/NDF:12.9/15

+ sign 9.104+/-4.833 χ^2/NDF: 40.9/33

All: 0.133+/-3.442 χ^2/NDF: 77.3/68

- sign -9.109+/-4.905 χ^2/NDF: 29.3/34

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: 22.342+/-0.004 χ^2/NDF:6887.3/17

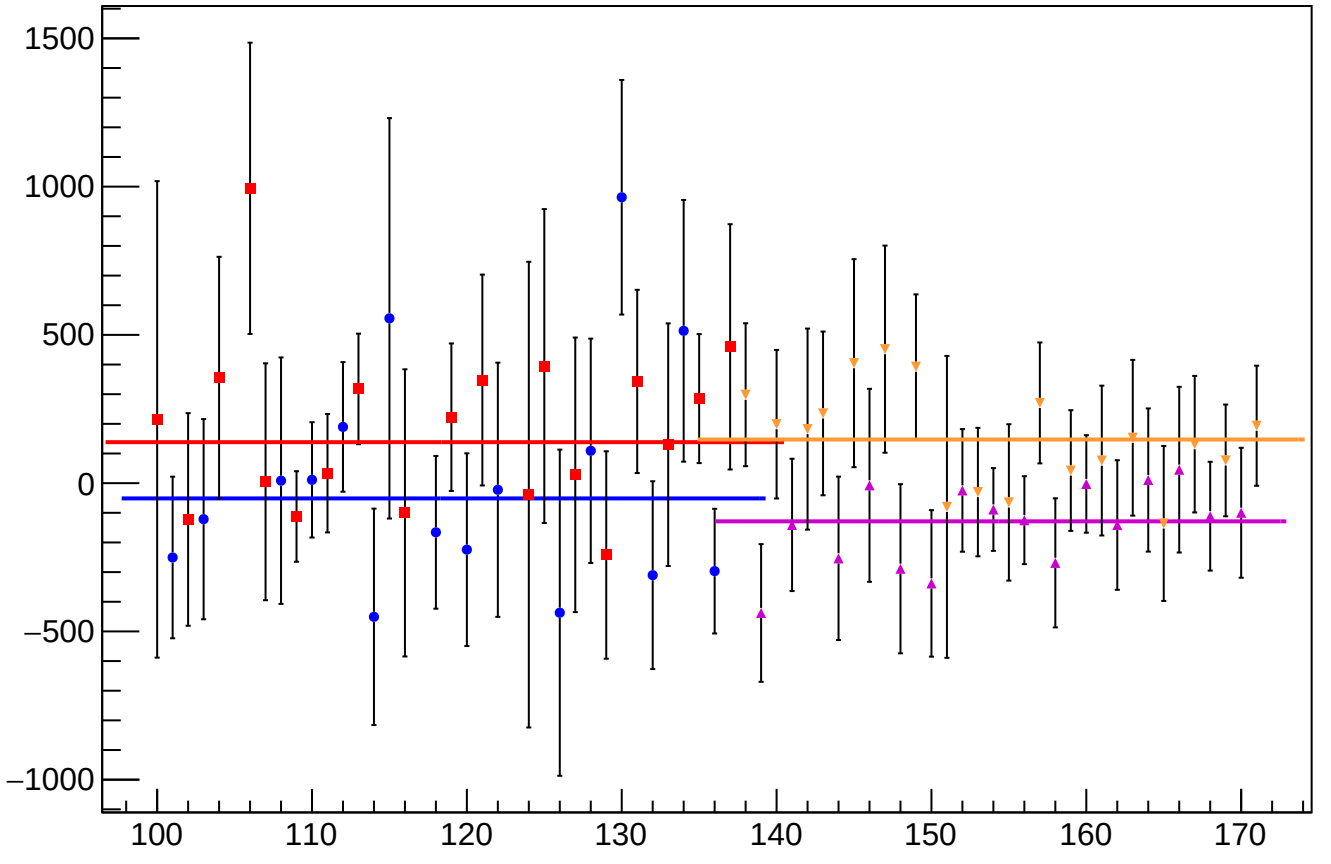
Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.252+/-0.004 χ^2/NDF:7962.5/15

+ sign 22.403+/-0.003 χ^2/NDF: 23460.9/33

All: 22.366+/-0.002 χ^2/NDF: 48168.2/68

- sign 22.329+/-0.003 χ^2/NDF: 24478.6/34



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.220+/-58.512 χ^2/NDF:6.5/17

Right Out: 138.184+/-68.625 χ^2/NDF: 11.6/18

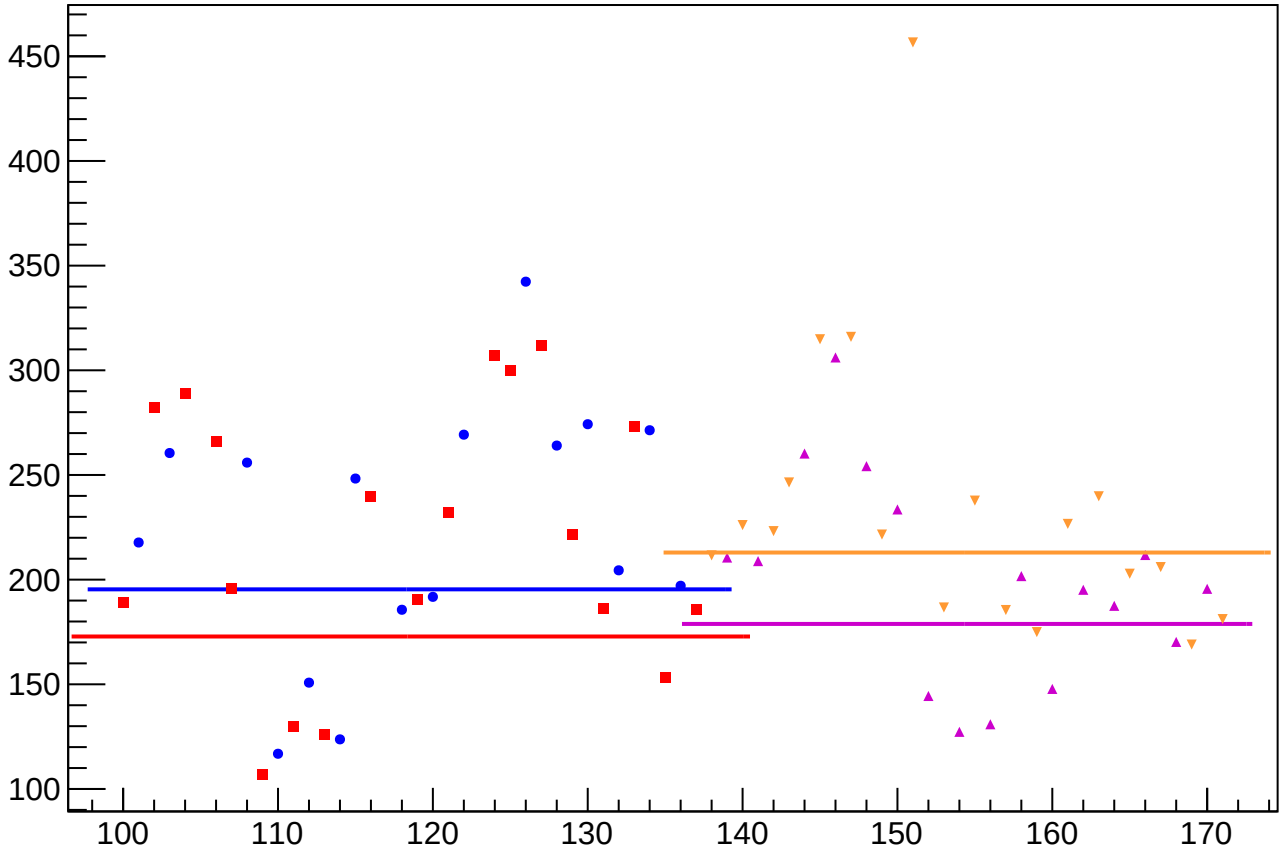
Left In: -128.805+/-52.012 χ^2/NDF:5.2/15

+ sign 74.236+/-46.543 χ^2/NDF: 26.0/33

All: 15.330+/-30.955 χ^2/NDF: 55.4/68

- sign -31.393+/-41.451 χ^2/NDF: 26.5/34

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: 212.949+/-0.041 χ^2/NDF:1183081.1/17

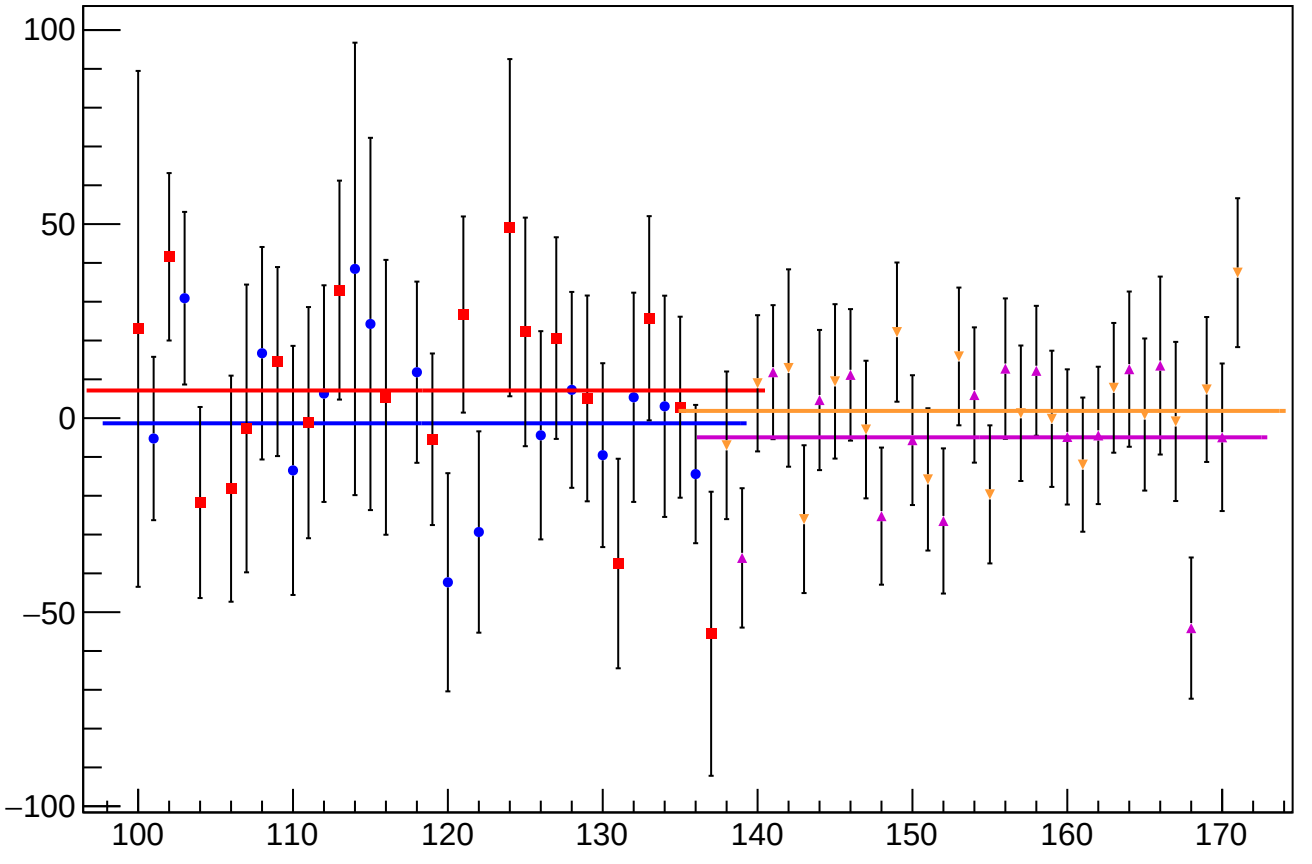
Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 178.837+/-0.037 χ^2/NDF:1479795.2/15

+ sign 206.489+/-0.033 χ^2/NDF: 2290885.0/33

All: 189.848+/-0.022 χ^2/NDF: 5898318.5/68

- sign 176.648+/-0.029 χ^2/NDF: 3148936.9/34



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.864+/-4.366 χ^2/NDF:11.6/17

Right Out: 7.126+/-6.402 χ^2/NDF: 14.4/18

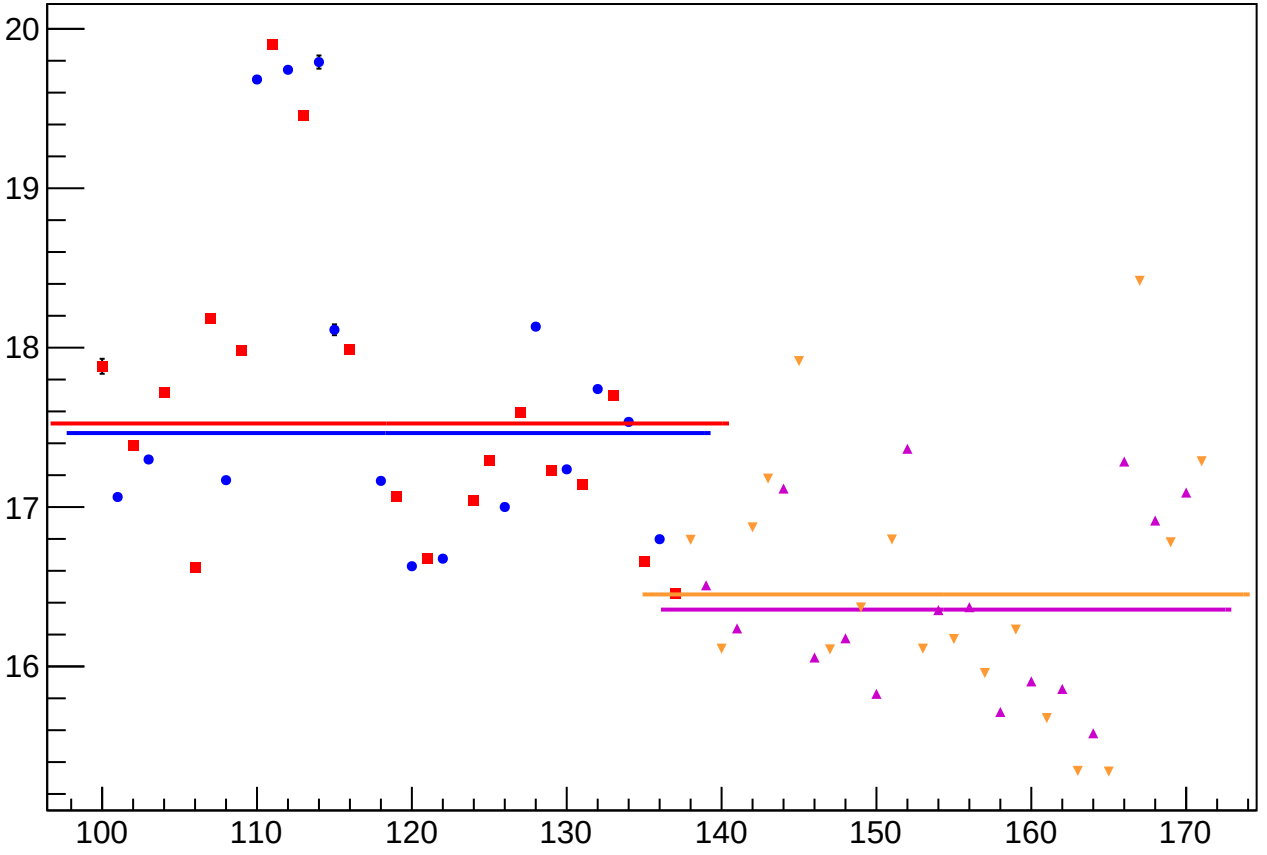
Left In: -4.942+/-4.507 χ^2/NDF:18.9/15

+ sign 0.870+/-3.624 χ^2/NDF: 19.8/33

All: -0.021+/-2.584 χ^2/NDF: 55.6/68

- sign -0.943+/-3.685 χ^2/NDF: 35.7/34

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: 16.452+/-0.003 χ^2/NDF:62384.2/17

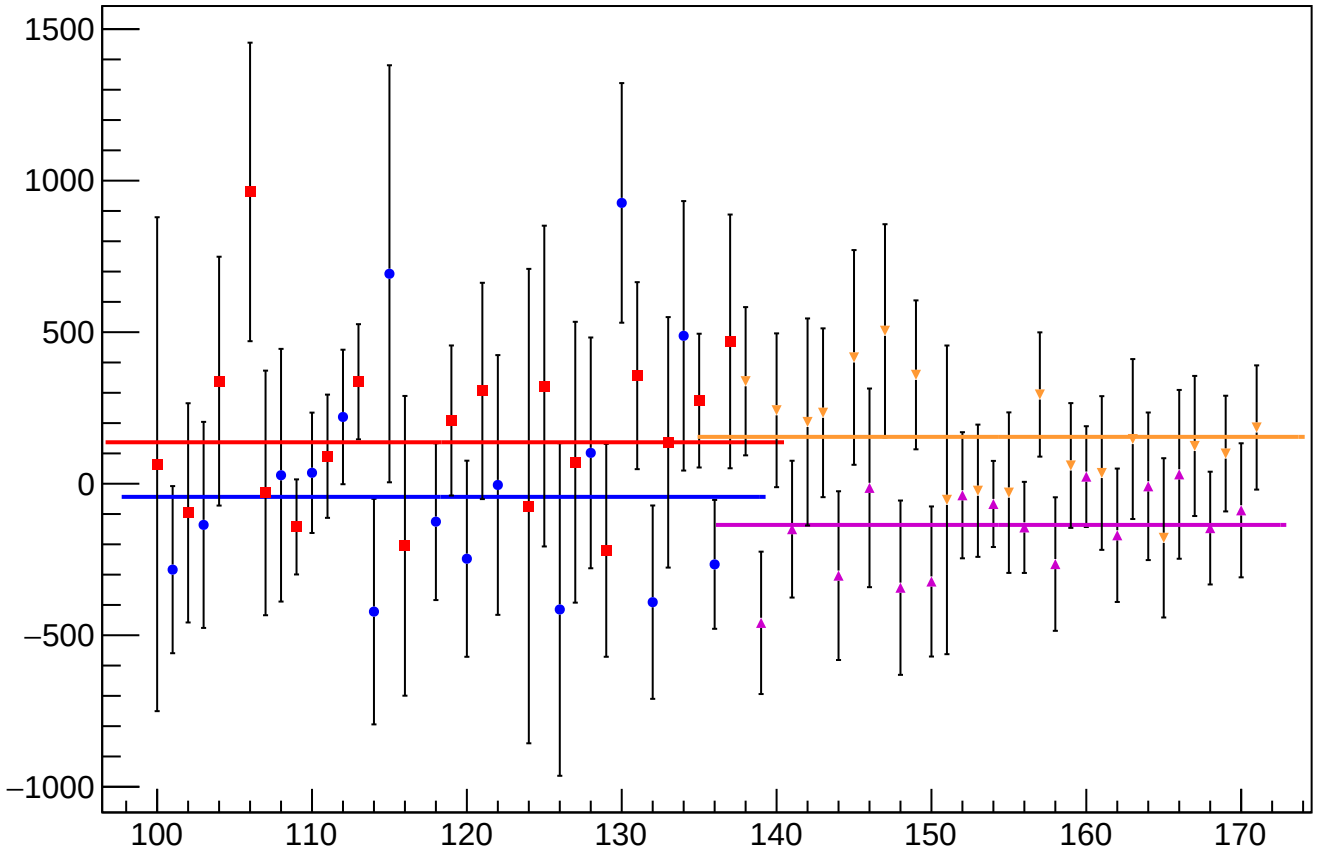
Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.357+/-0.003 χ^2/NDF:29451.3/15

+ sign 16.767+/-0.003 χ^2/NDF: 132471.9/33

All: 16.755+/-0.002 χ^2/NDF: 241180.9/68

- sign 16.744+/-0.003 χ^2/NDF: 108668.9/34



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.604+/-59.007 χ^2/NDF:7.0/17

Right Out: 136.778+/-69.557 χ^2/NDF: 11.5/18

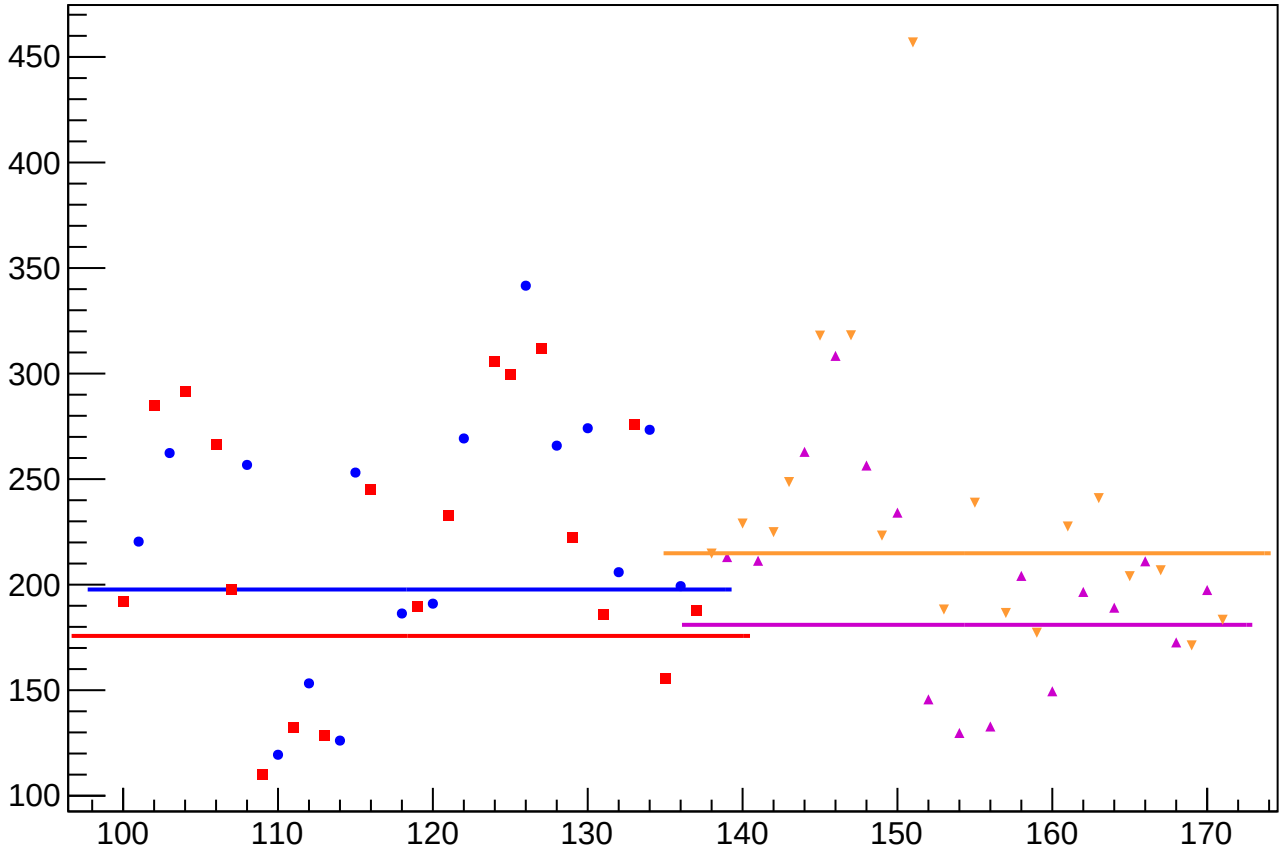
Left In: -135.931+/-52.577 χ^2/NDF:5.9/15

+ sign 82.048+/-46.967 χ^2/NDF: 26.5/33

All: 15.945+/-31.284 χ^2/NDF: 57.3/68

- sign -36.772+/-41.943 χ^2/NDF: 27.2/34

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 214.875+/-0.042 χ^2/NDF:1166545.4/17

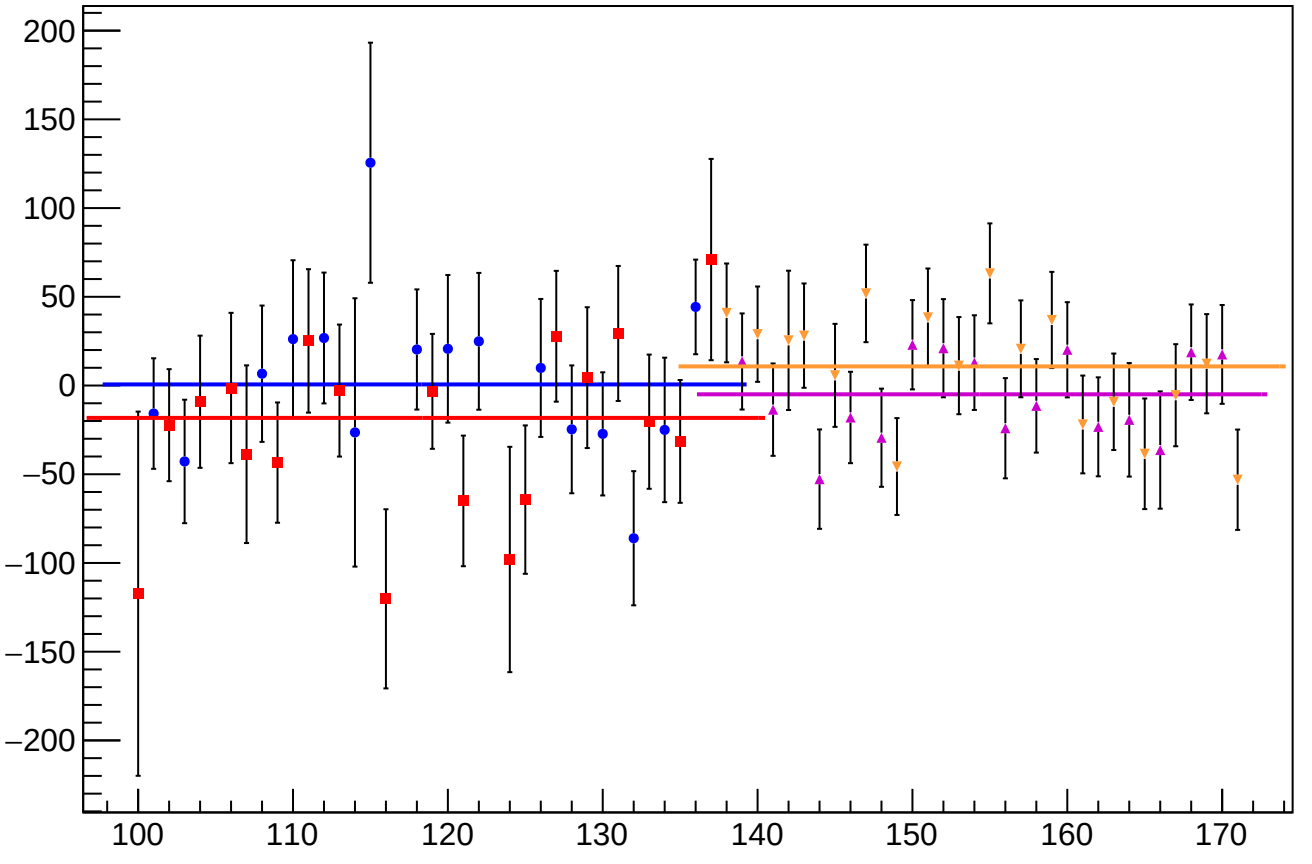
Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 180.971+/-0.037 χ^2/NDF:1446384.8/15

+ sign 208.584+/-0.033 χ^2/NDF: 2228913.5/33

All: 192.159+/-0.022 χ^2/NDF: 5712795.2/68

- sign 179.060+/-0.030 χ^2/NDF: 3044209.4/34



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 10.774+/-6.684 χ^2/NDF:24.1/17

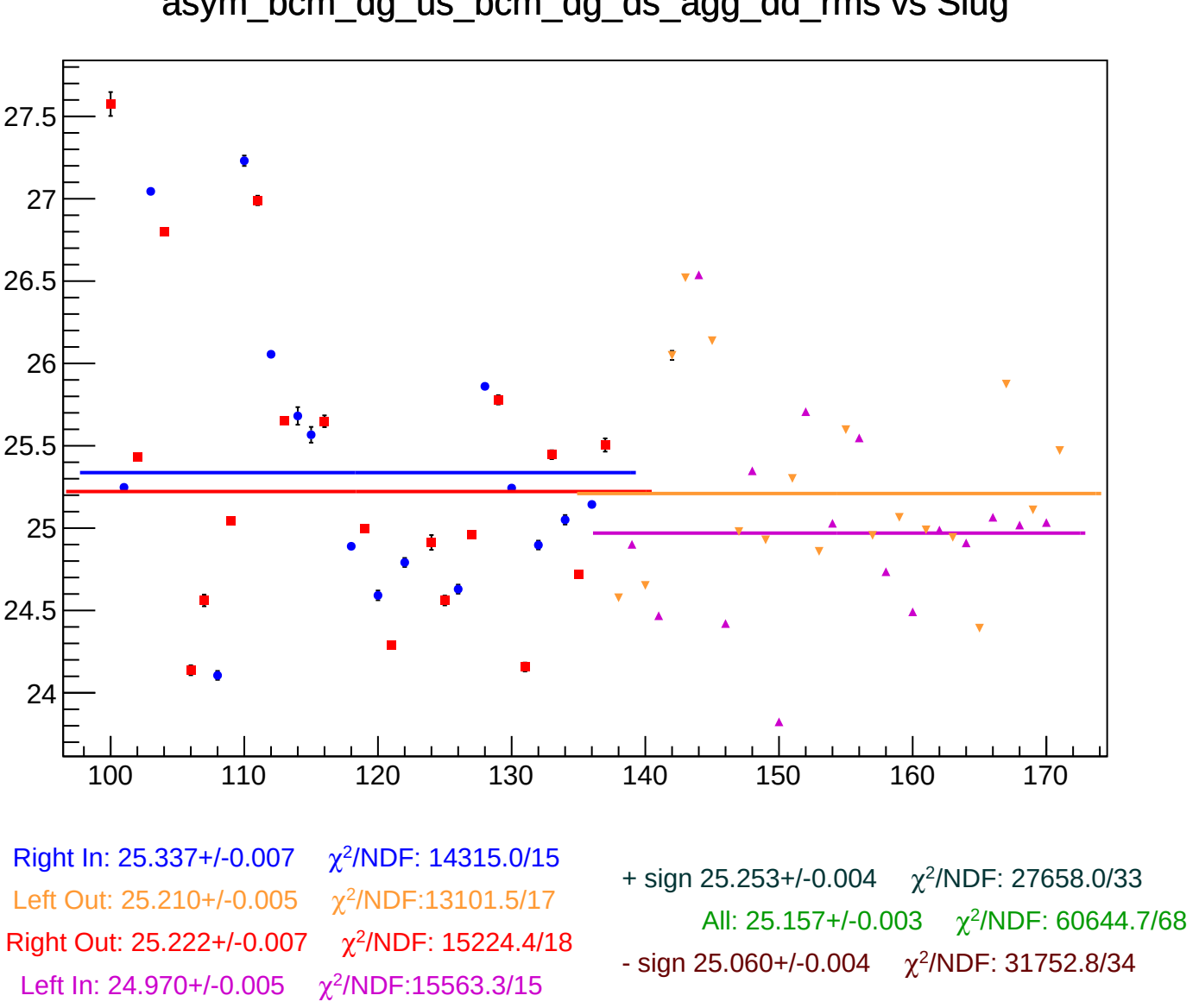
Right Out: -18.248+/-9.208 χ^2/NDF: 18.0/18

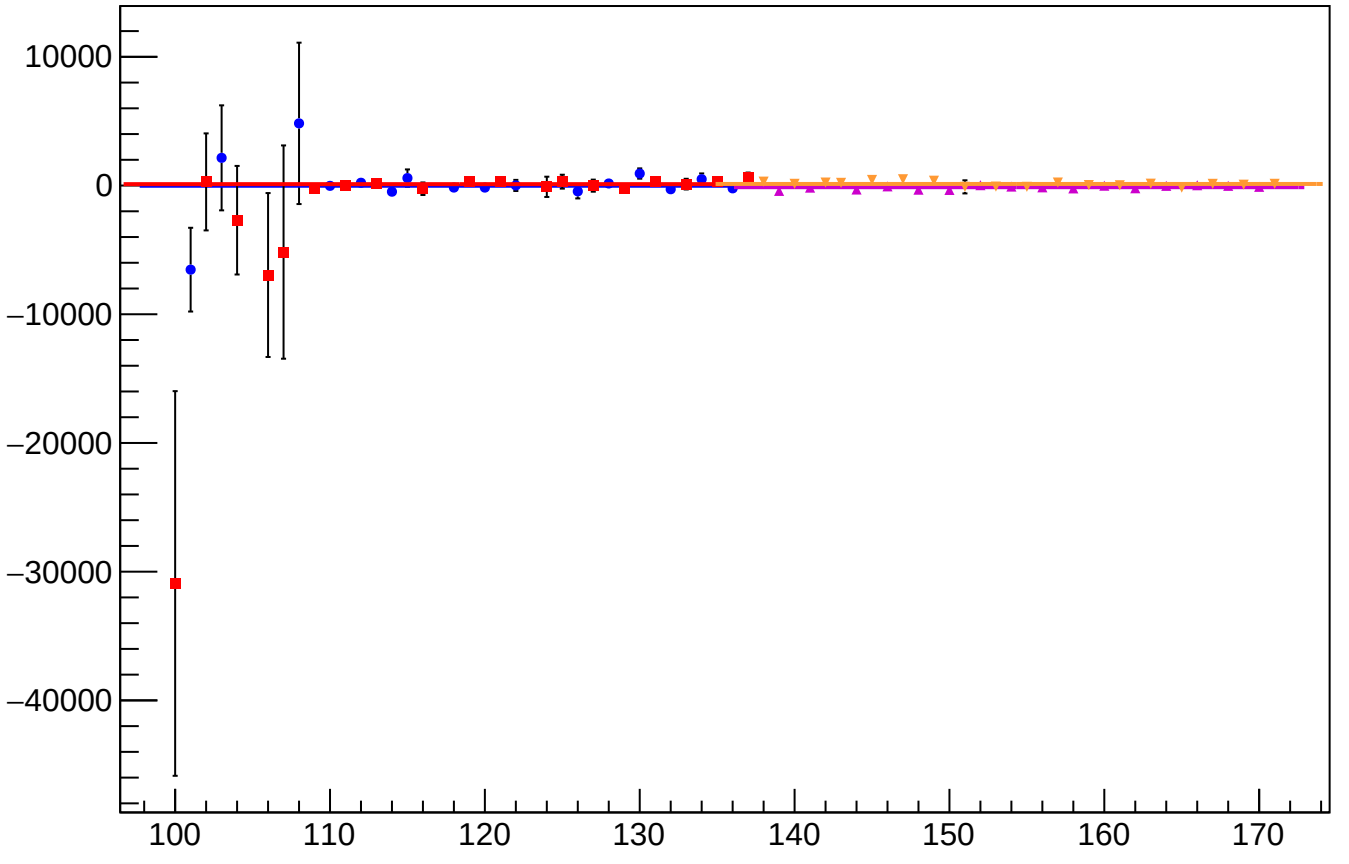
Left In: -4.952+/-6.876 χ^2/NDF:11.5/15

+ sign 7.375+/-5.451 χ^2/NDF: 41.6/33

All: -1.078+/-3.875 χ^2/NDF: 77.2/68

- sign -9.712+/-5.510 χ^2/NDF: 30.8/34


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
170
Right In: 25.337+/-0.007 χ²/NDF: 14315.0/15
Left Out: 25.210+/-0.005 χ²/NDF:13101.5/17
Right Out: 25.222+/-0.007 χ²/NDF: 15224.4/18
Left In: 24.970+/-0.005 χ²/NDF:15563.3/15
+ sign 25.253+/-0.004 χ²/NDF: 27658.0/33
All: 25.157+/-0.003 χ²/NDF: 60644.7/68
- sign 25.060+/-0.004 χ²/NDF: 31752.8/34



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.138+/-59.558 χ^2/NDF:7.1/17

Right Out: 108.825+/-78.099 χ^2/NDF: 14.0/18

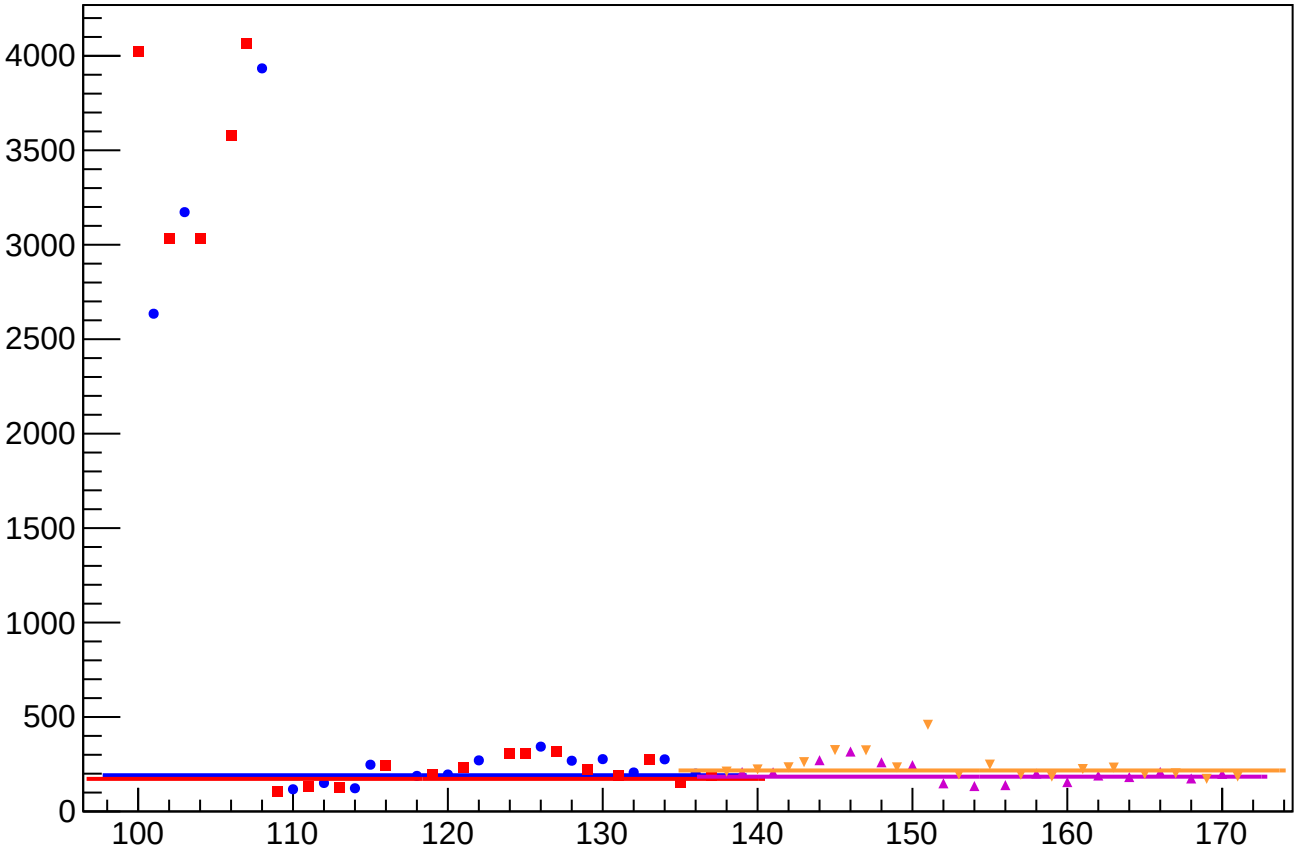
Left In: -127.706+/-53.338 χ^2/NDF:5.4/15

+ sign 77.287+/-48.719 χ^2/NDF: 27.2/33

All: 5.887+/-32.673 χ^2/NDF: 56.8/68

- sign -52.473+/-44.046 χ^2/NDF: 25.7/34

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 216.998+/-0.042 χ^2/NDF:1163971.0/17

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

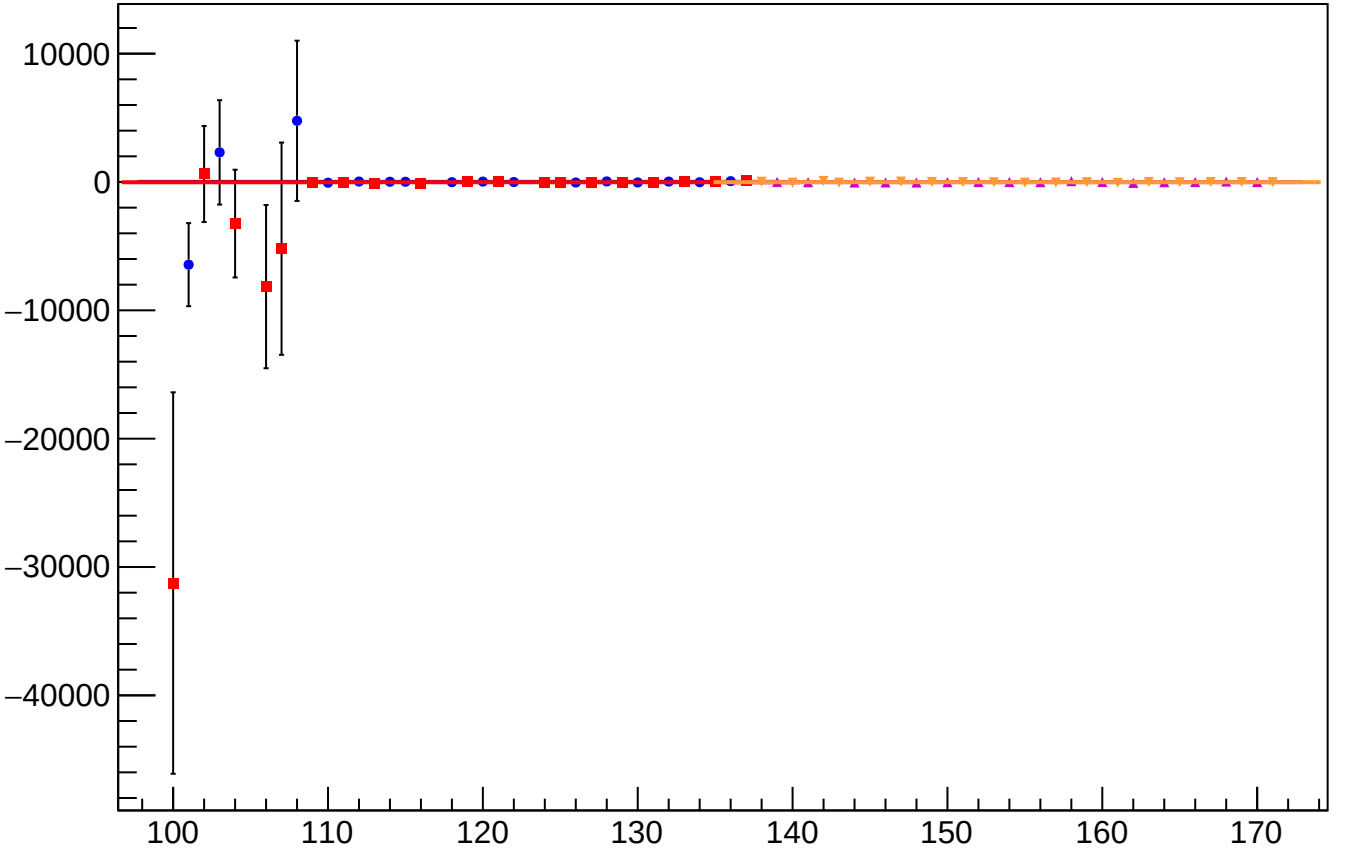
Left In: 184.089+/-0.038 χ^2/NDF:1329957.6/15

+ sign 208.640+/-0.034 χ^2/NDF: 5104824.3/33

All: 193.096+/-0.023 χ^2/NDF: 11138137.0/68

- sign 180.391+/-0.031 χ^2/NDF: 5663313.8/34

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -14.366+/-7.633 χ^2/NDF:17.8/17

Right Out: -18.105+/-11.805 χ^2/NDF: 24.8/18

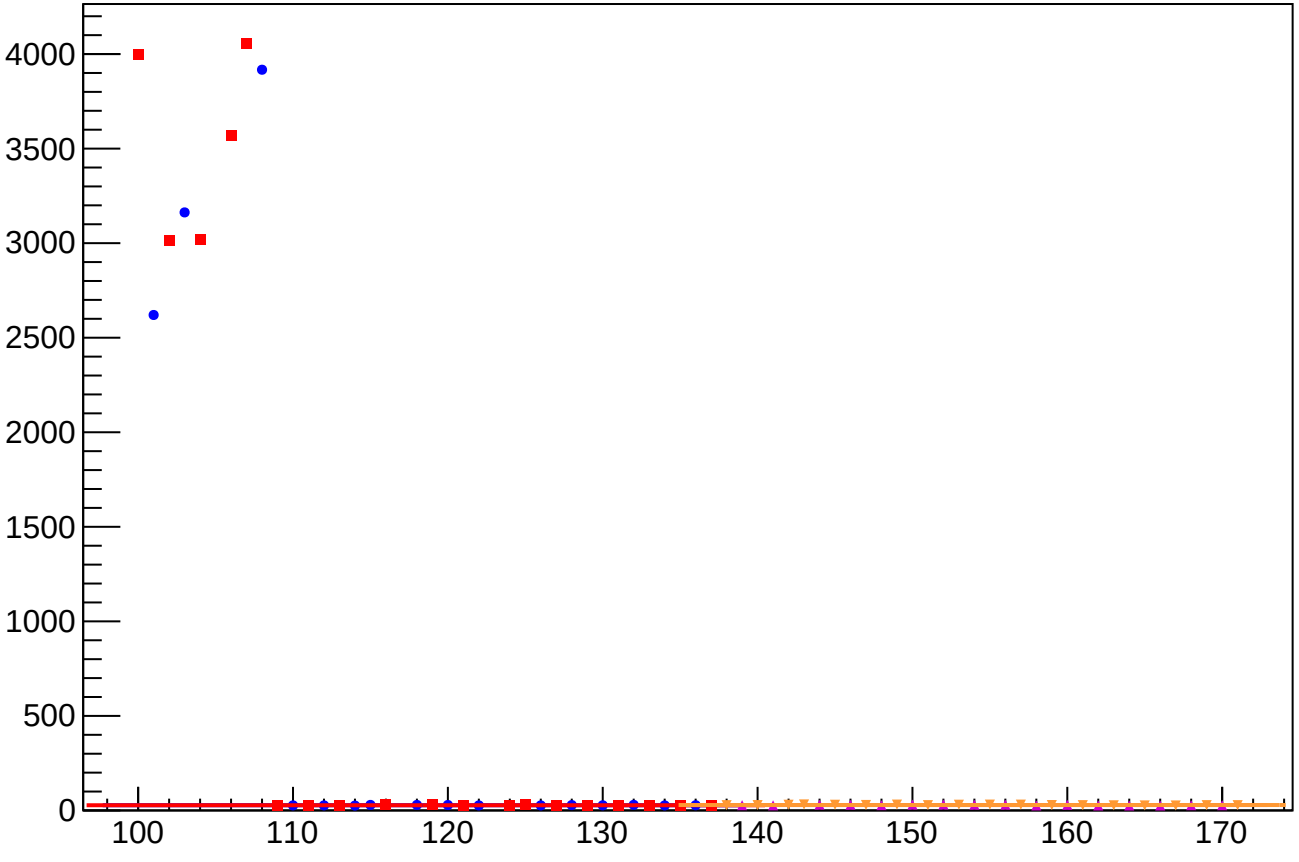
Left In: -7.498+/-7.930 χ^2/NDF:16.5/15

+ sign -7.205+/-6.390 χ^2/NDF: 36.7/33

All: -8.947+/-4.585 χ^2/NDF: 78.7/68

- sign -10.796+/-6.583 χ^2/NDF: 41.8/34

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: 28.726+/-0.005 χ^2/NDF:82341.6/17

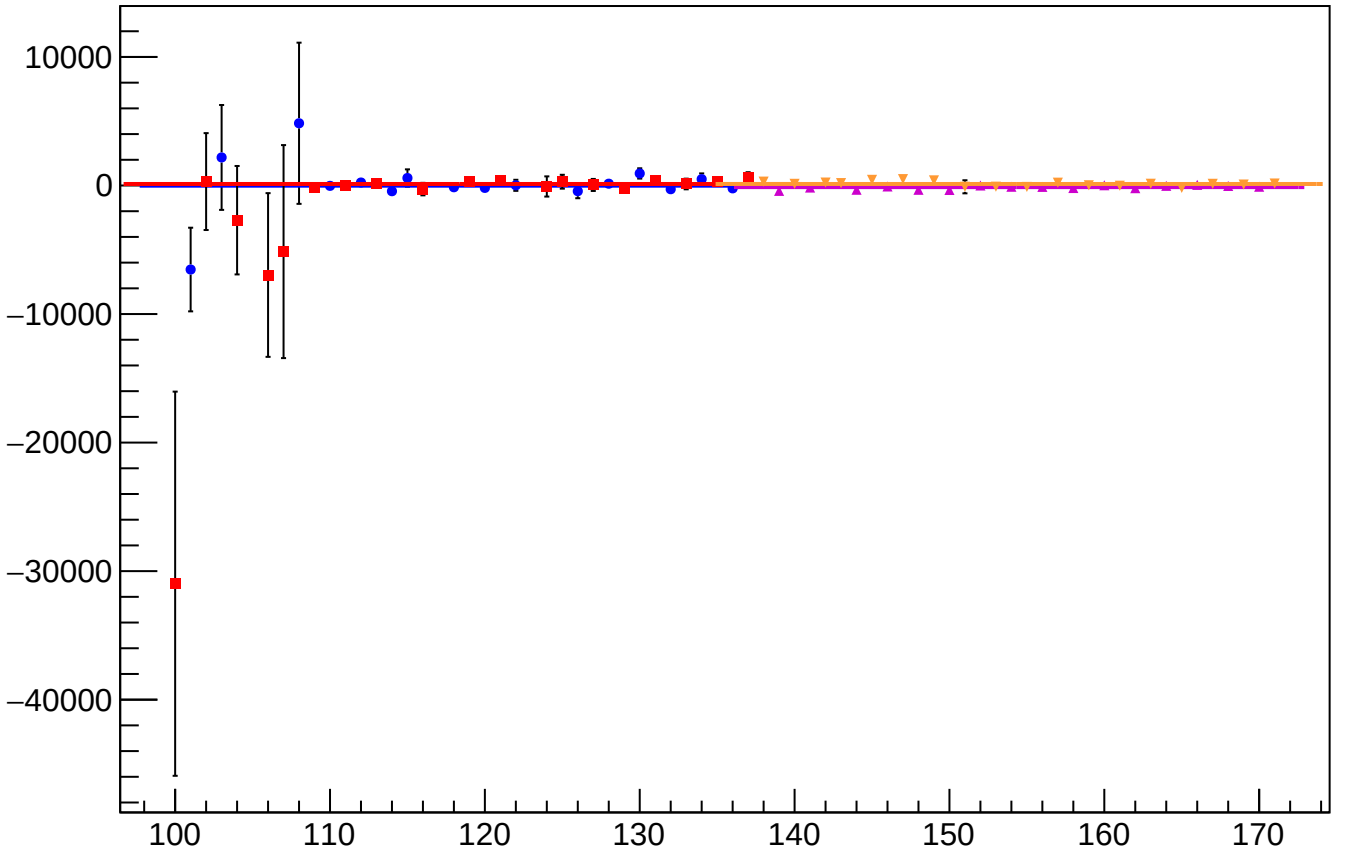
Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.718+/-0.006 χ^2/NDF:110286.0/15

+ sign 28.402+/-0.005 χ^2/NDF: 3359921.5/33

All: 28.377+/-0.003 χ^2/NDF: 7039342.5/68

- sign 28.350+/-0.005 χ^2/NDF: 3679356.4/34



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.894+/-59.431 χ^2/NDF:7.9/17

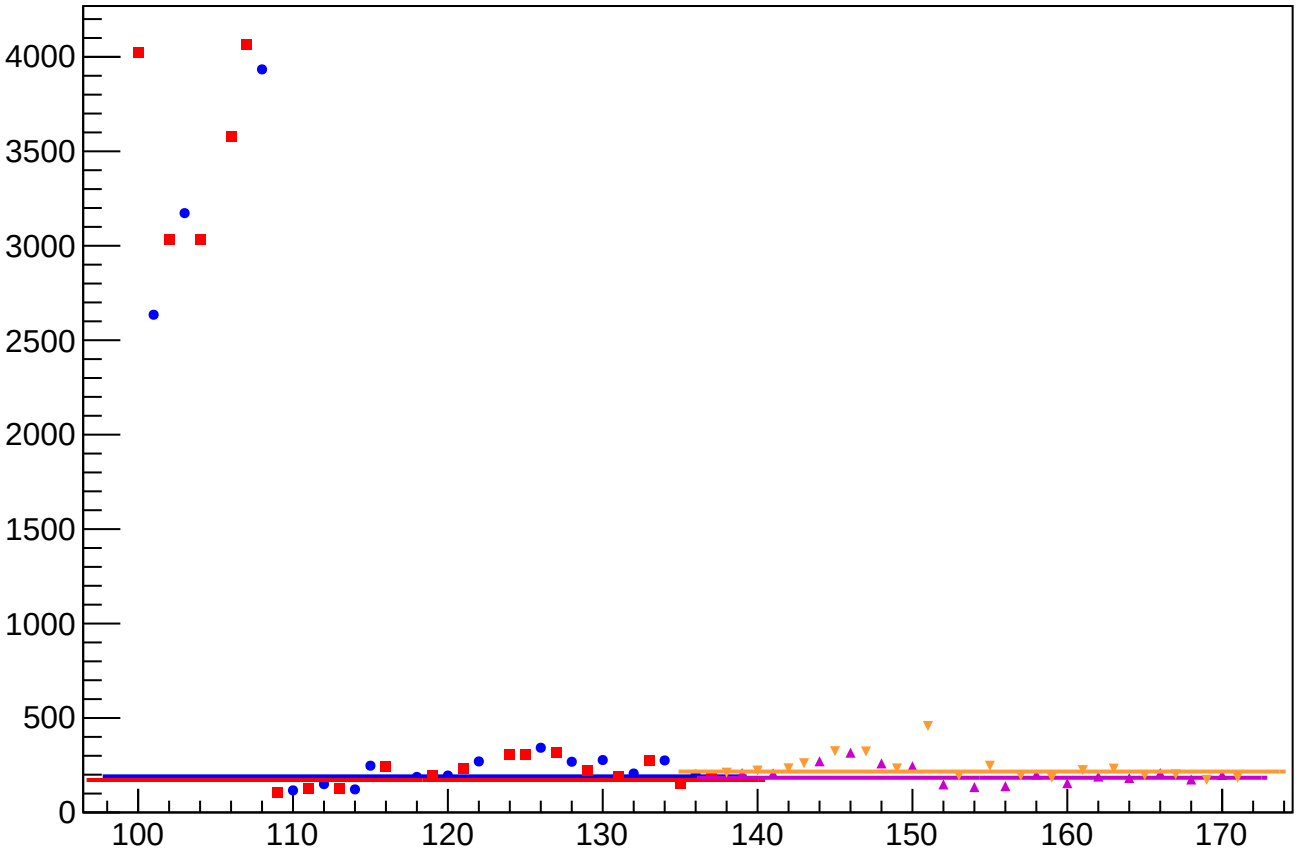
Right Out: 118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: -124.873+/-53.238 χ^2/NDF:5.6/15

\+ sign 74.489+/-48.603 χ^2/NDF: 27.8/33

All: 7.384+/-32.597 χ^2/NDF: 58.0/68

\- sign -47.481+/-43.947 χ^2/NDF: 26.7/34



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 216.541+/-0.042 χ^2/NDF:1163637.4/17

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

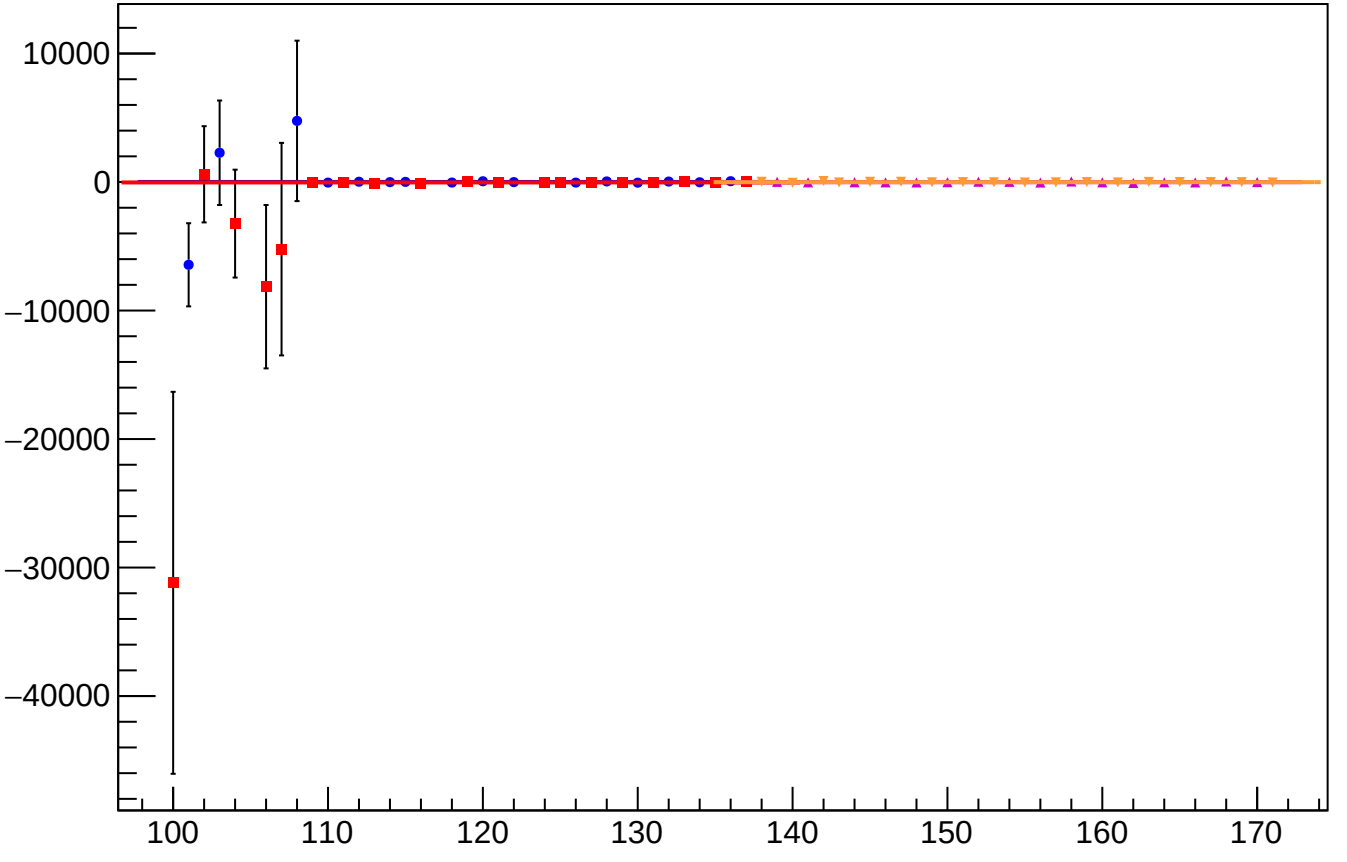
Left In: 183.748+/-0.038 χ^2/NDF:1329465.7/15

+ sign 208.105+/-0.034 χ^2/NDF: 5119257.7/33

All: 192.616+/-0.023 χ^2/NDF: 11164518.3/68

- sign 179.953+/-0.031 χ^2/NDF: 5676090.2/34

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: -10.334+/-7.685 χ^2/NDF:12.0/17

Right Out: -30.962+/-11.902 χ^2/NDF: 19.9/18

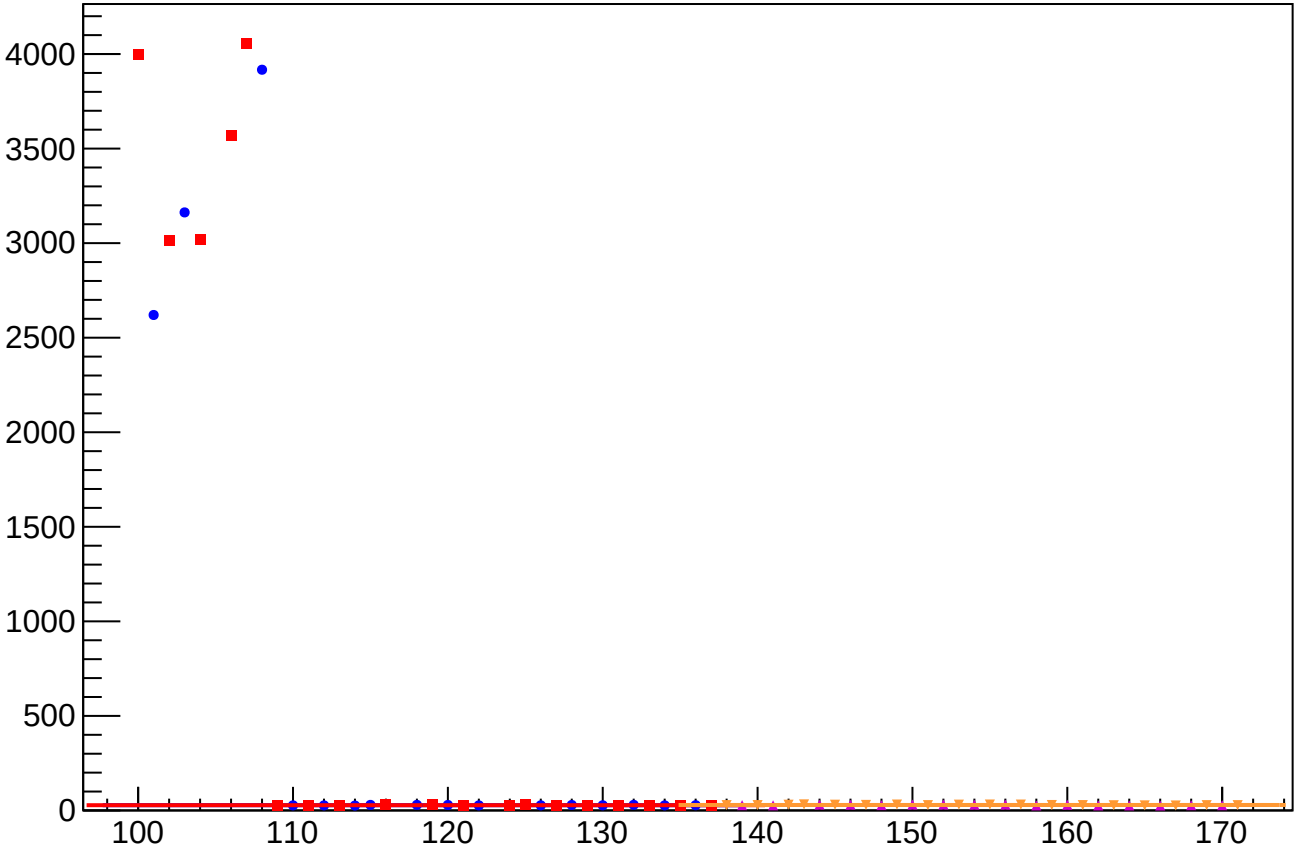
Left In: -8.567+/-7.977 χ^2/NDF:16.0/15

+ sign -5.302+/-6.434 χ^2/NDF: 31.7/33

All: -10.255+/-4.616 χ^2/NDF: 71.3/68

- sign -15.510+/-6.627 χ^2/NDF: 38.3/34

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.918+/-0.005 χ^2/NDF:88550.7/17

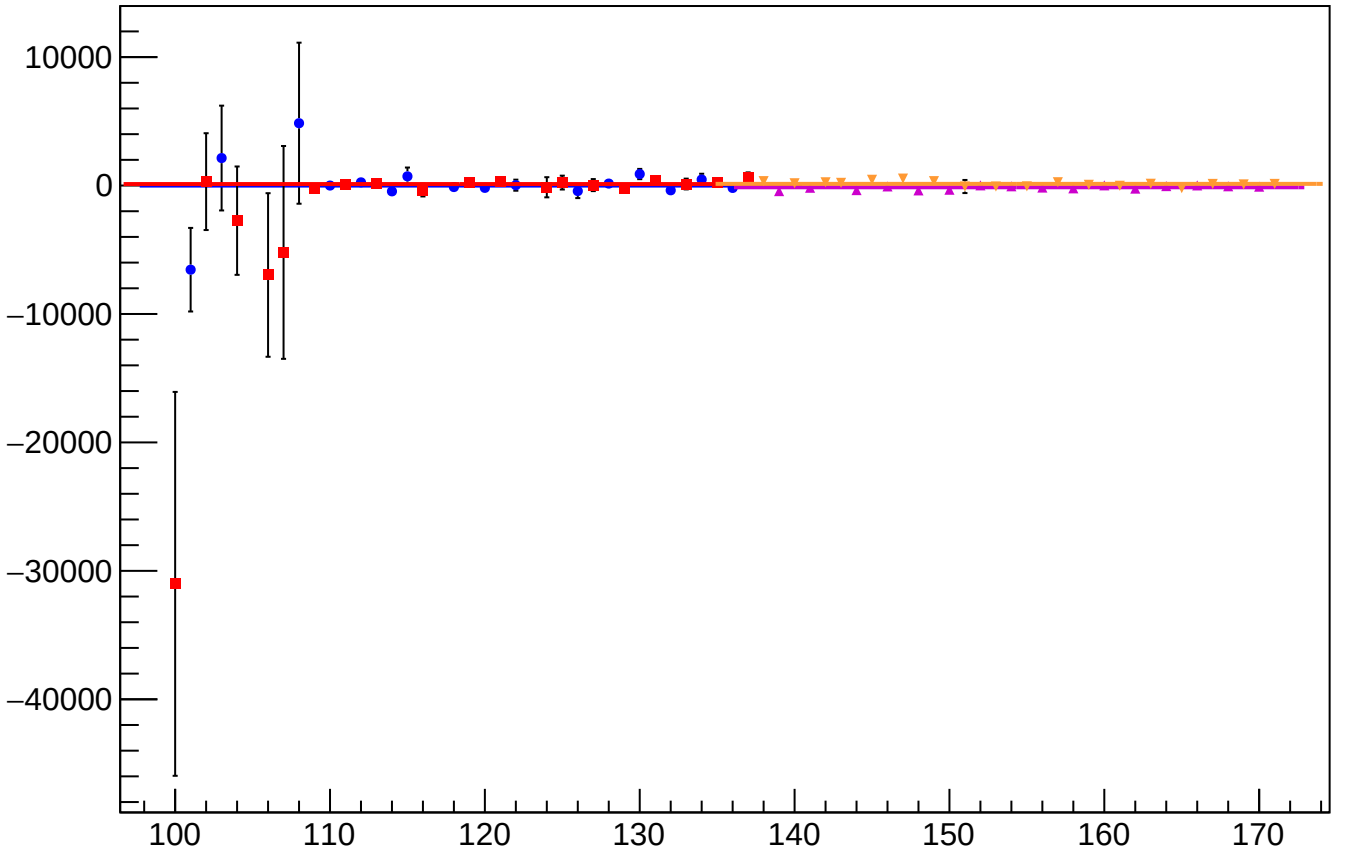
Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.891+/-0.006 χ^2/NDF:111648.8/15

+ sign 28.591+/-0.005 χ^2/NDF: 3366549.6/33

All: 28.565+/-0.003 χ^2/NDF: 7049544.3/68

- sign 28.538+/-0.005 χ^2/NDF: 3682929.6/34



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 130.136+/-60.035 χ^2/NDF:7.8/17

Right Out: 115.753+/-78.952 χ^2/NDF: 13.8/18

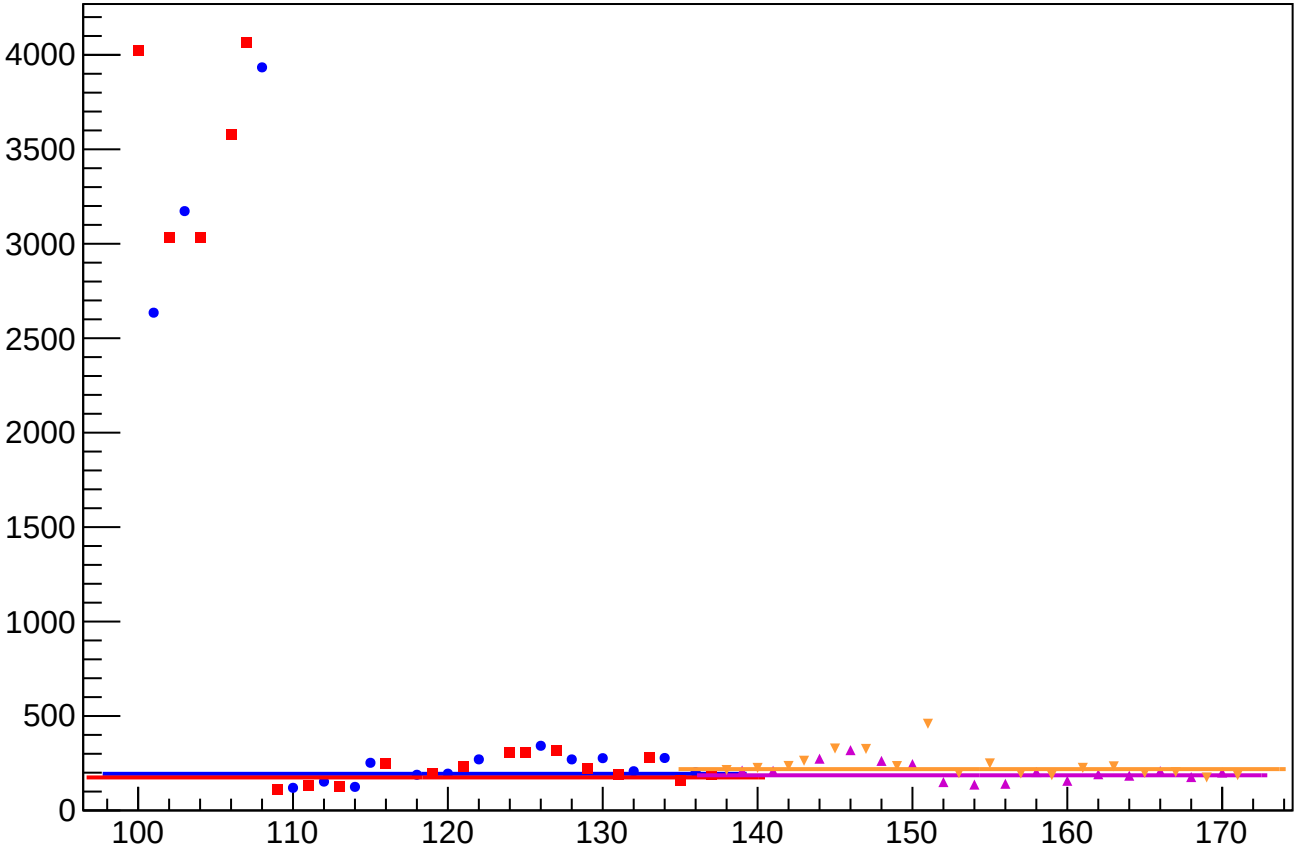
Left In: -135.475+/-53.887 χ^2/NDF:6.0/15

\+ sign 86.245+/-49.134 χ^2/NDF: 27.6/33

All: 8.314+/-32.987 χ^2/NDF: 58.9/68

\- sign -55.635+/-44.509 χ^2/NDF: 26.7/34

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.845+/-0.042 χ^2/NDF:1150990.0/17

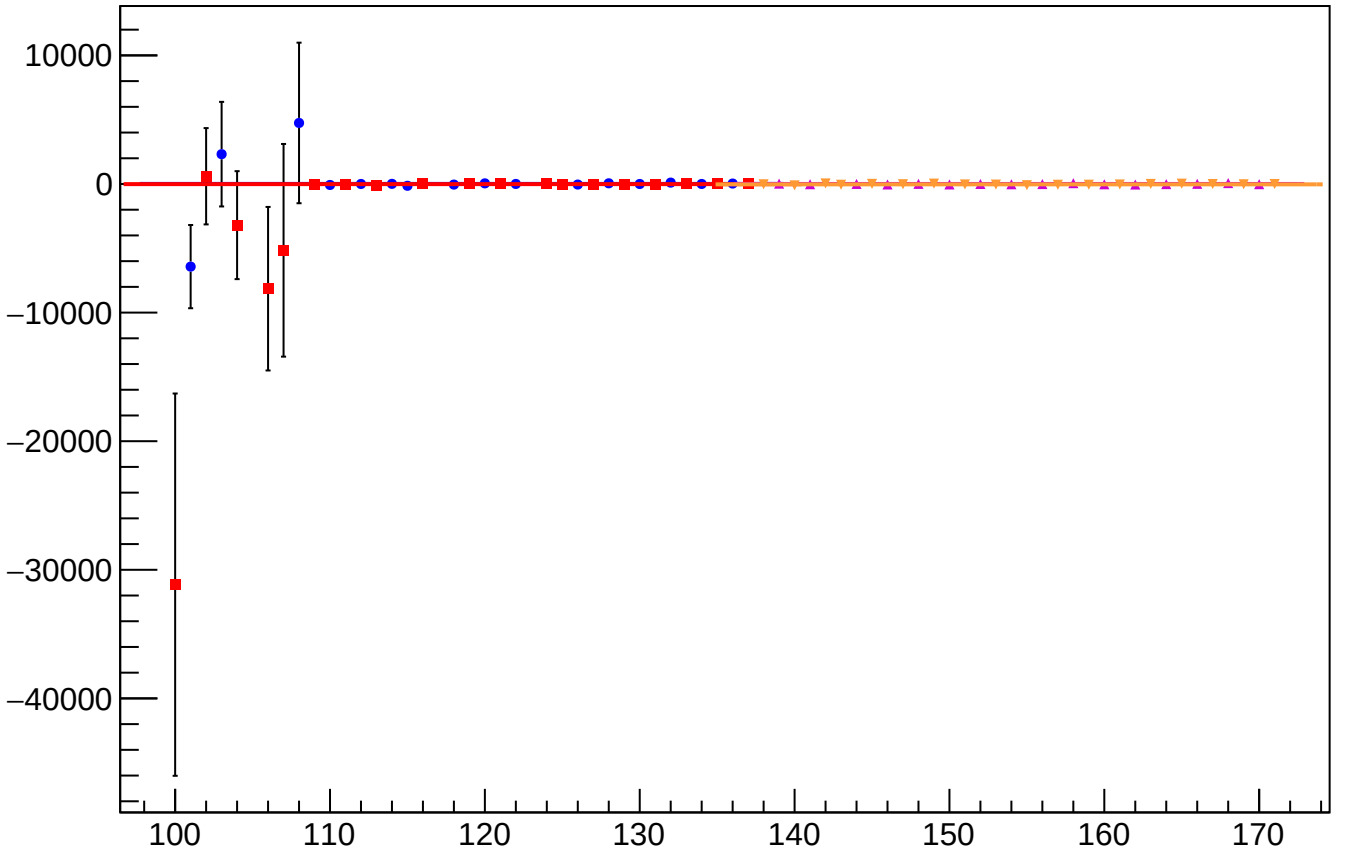
Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.161+/-0.038 χ^2/NDF:1301299.2/15

+ sign 210.624+/-0.035 χ^2/NDF: 5049046.2/33

All: 195.200+/-0.023 χ^2/NDF: 10996820.6/68

- sign 182.544+/-0.031 χ^2/NDF: 5588977.7/34



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -27.650+/-9.148 χ^2/NDF:17.4/17

Right Out: -10.003+/-14.433 χ^2/NDF: 23.4/18

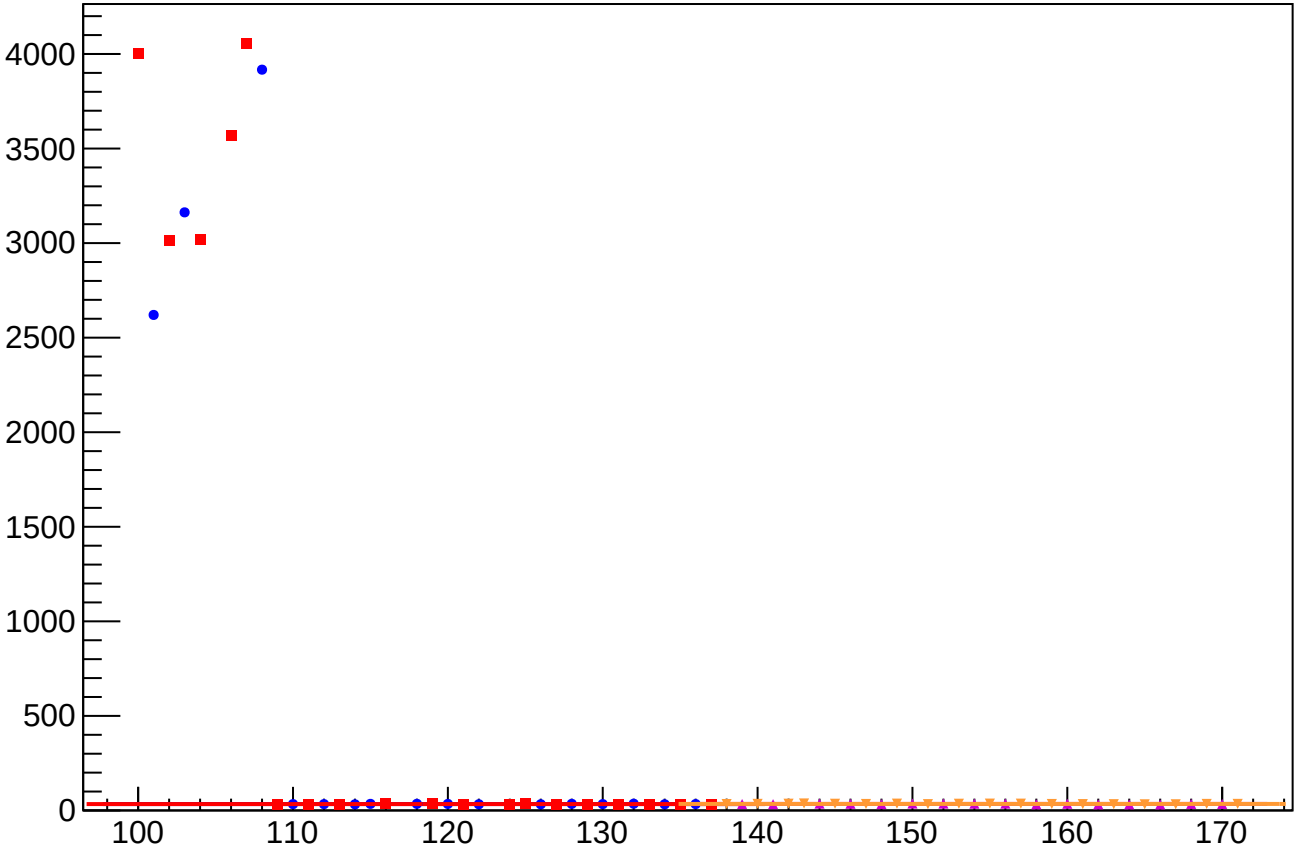
Left In: 2.056+/-9.505 χ^2/NDF:11.9/15

+ sign -17.983+/-7.707 χ^2/NDF: 38.7/33

All: -10.030+/-5.529 χ^2/NDF: 76.7/68

- sign -1.592+/-7.938 χ^2/NDF: 35.8/34

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: 34.481+/-0.006 χ^2/NDF:36874.3/17

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

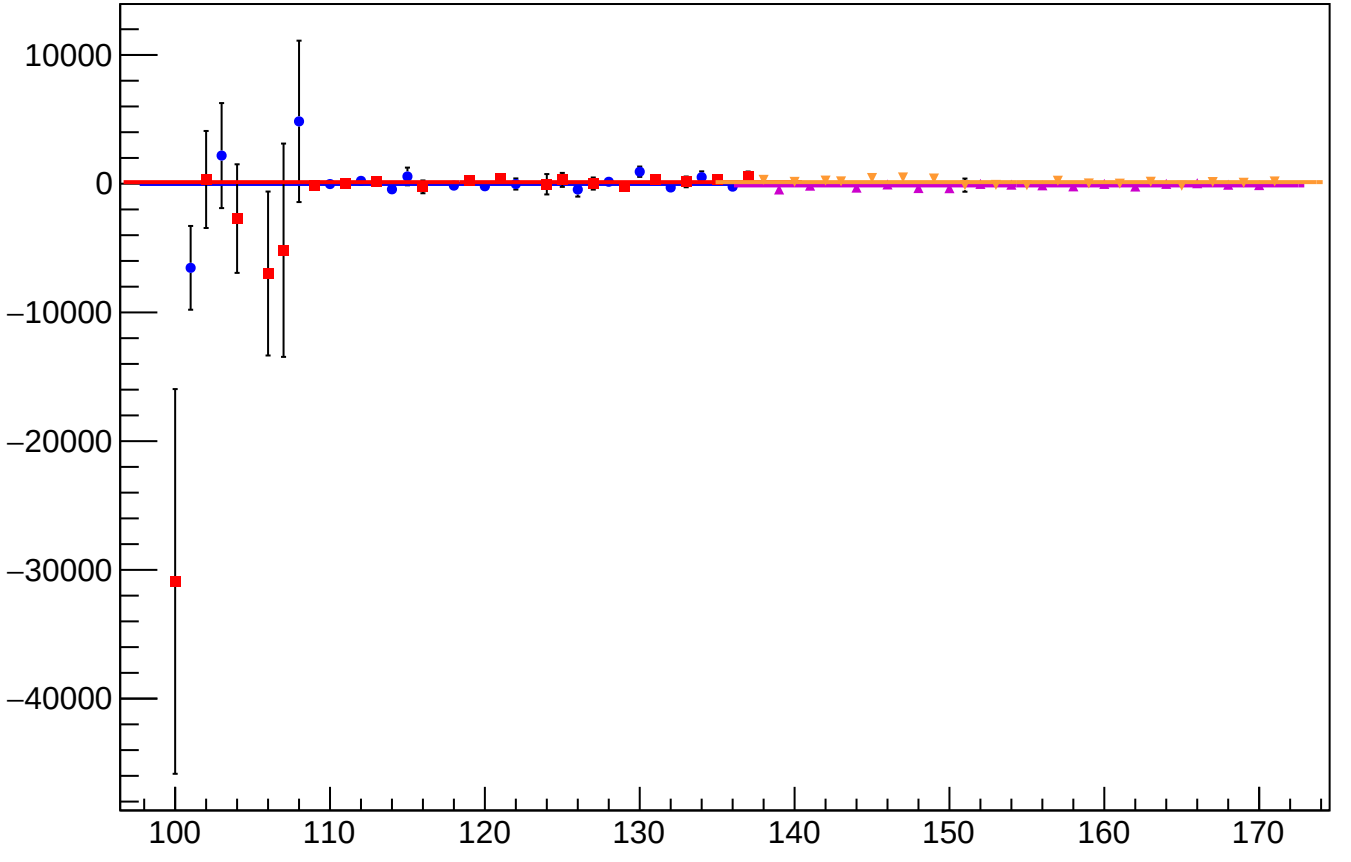
Left In: 34.489+/-0.007 χ^2/NDF:48890.3/15

+ sign 34.312+/-0.005 χ^2/NDF: 3283601.4/33

All: 34.286+/-0.004 χ^2/NDF: 6862904.7/68

- sign 34.259+/-0.006 χ^2/NDF: 3579256.4/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 122.339+/-59.916 χ^2/NDF:7.6/17

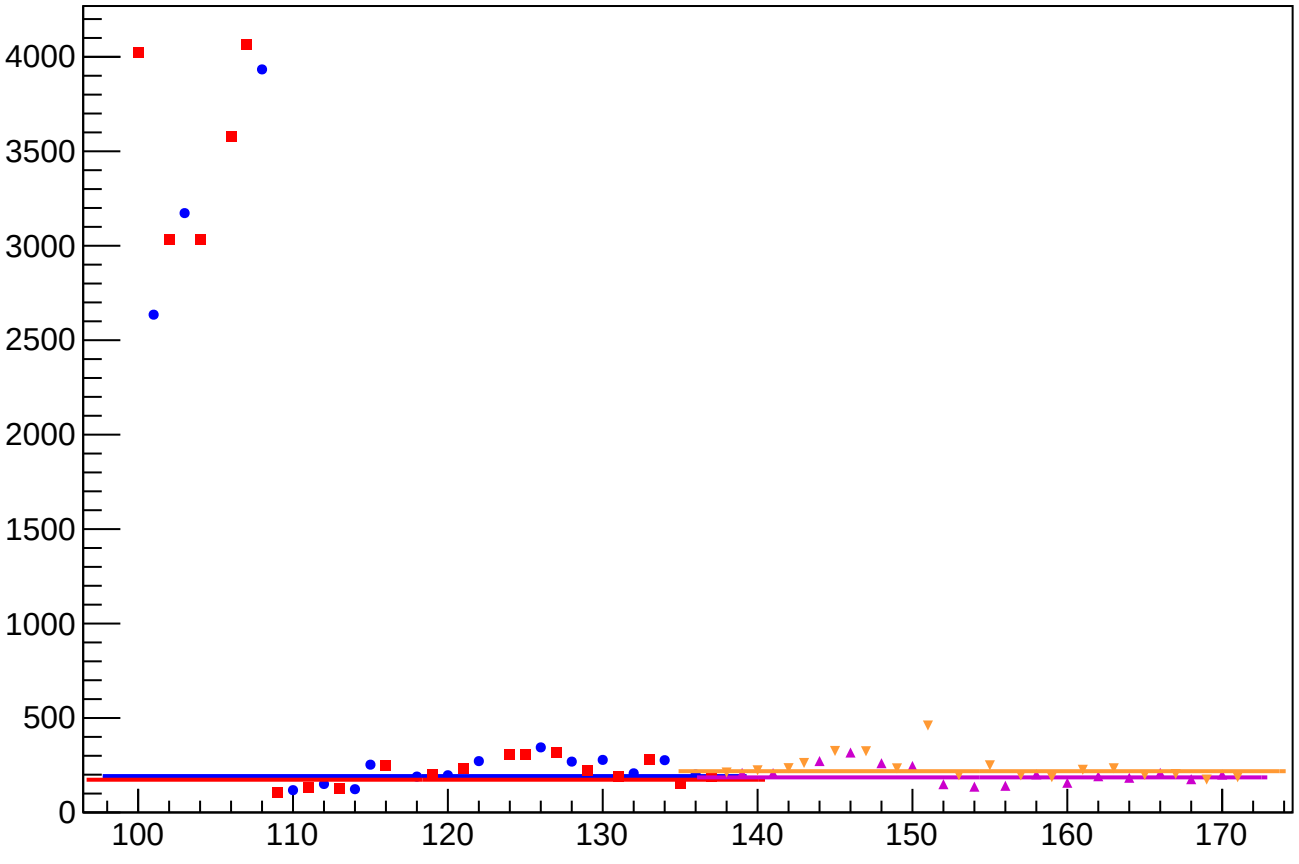
Right Out: 119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: -134.537+/-53.744 χ^2/NDF:5.3/15

+ sign 75.296+/-48.984 χ^2/NDF: 27.6/33

All: 4.631+/-32.872 χ^2/NDF: 57.2/68

- sign -53.266+/-44.338 χ^2/NDF: 25.8/34



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.417+/-0.042 χ^2/NDF:1144125.6/17

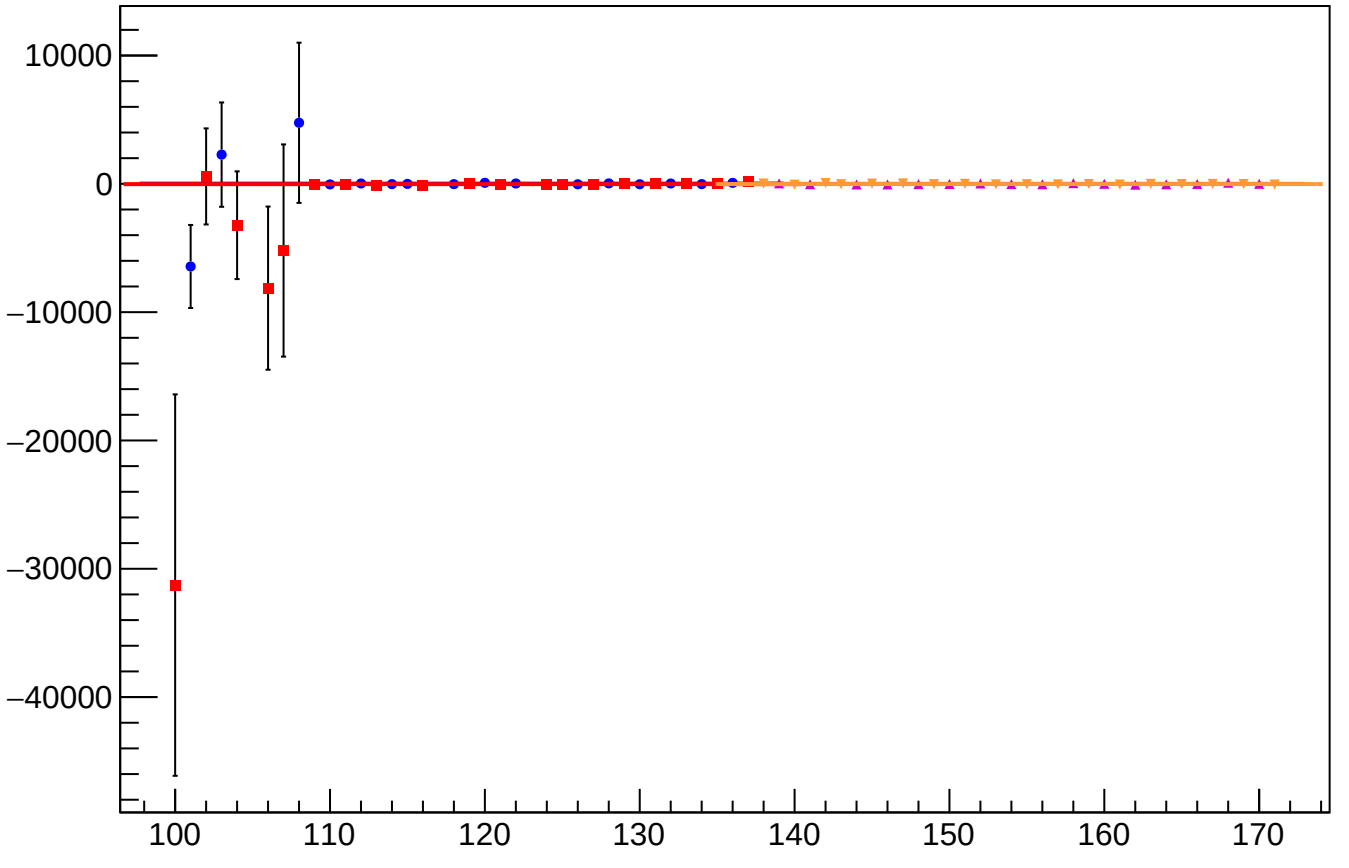
Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.670+/-0.038 χ^2/NDF:1289504.6/15

+ sign 209.842+/-0.035 χ^2/NDF: 5090428.6/33

All: 194.375+/-0.023 χ^2/NDF: 11084254.4/68

- sign 181.703+/-0.031 χ^2/NDF: 5631042.5/34



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -17.134+/-8.296 χ^2/NDF:12.8/17

Right Out: -23.230+/-13.181 χ^2/NDF: 28.7/18

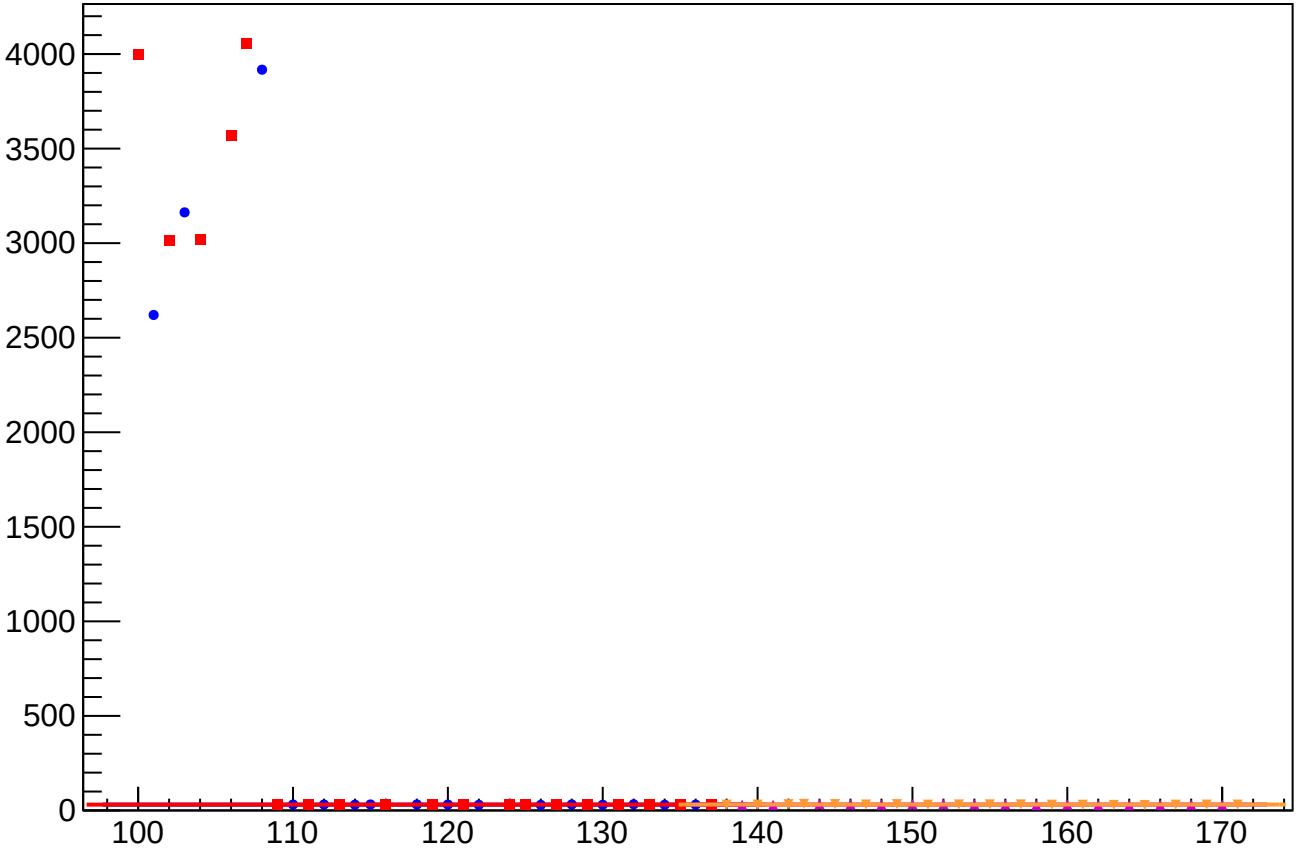
Left In: -2.869+/-8.606 χ^2/NDF:22.5/15

+ sign -8.267+/-7.003 χ^2/NDF: 32.2/33

All: -8.601+/-5.022 χ^2/NDF: 85.2/68

- sign -8.955+/-7.206 χ^2/NDF: 52.9/34

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: 31.243+/-0.006 χ^2/NDF:58547.1/17

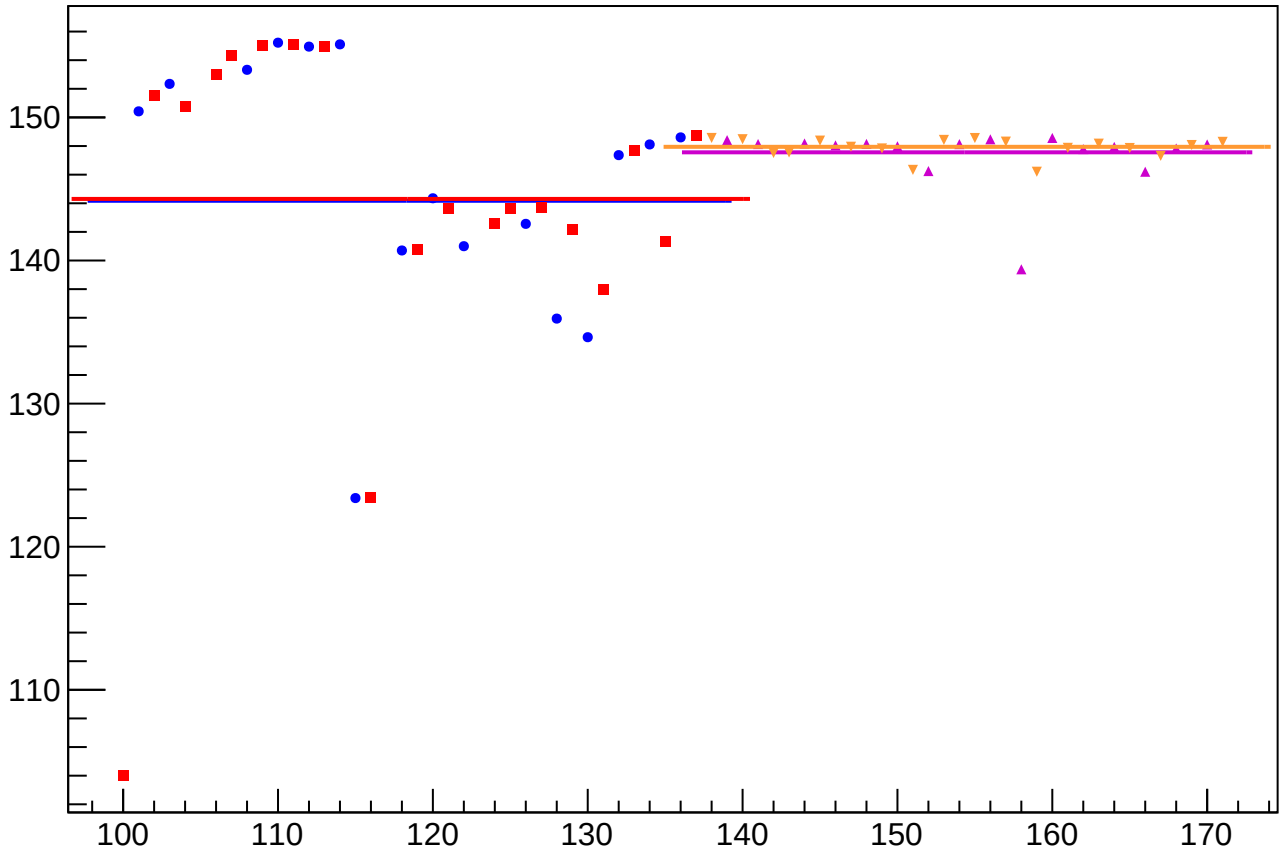
Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.190+/-0.006 χ^2/NDF:77087.6/15

+ sign 31.153+/-0.005 χ^2/NDF: 3311984.2/33

All: 31.111+/-0.004 χ^2/NDF: 6926829.2/68

- sign 31.066+/-0.005 χ^2/NDF: 3614696.2/34



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.946+/-0.000 χ^2/NDF:34225977.2/17

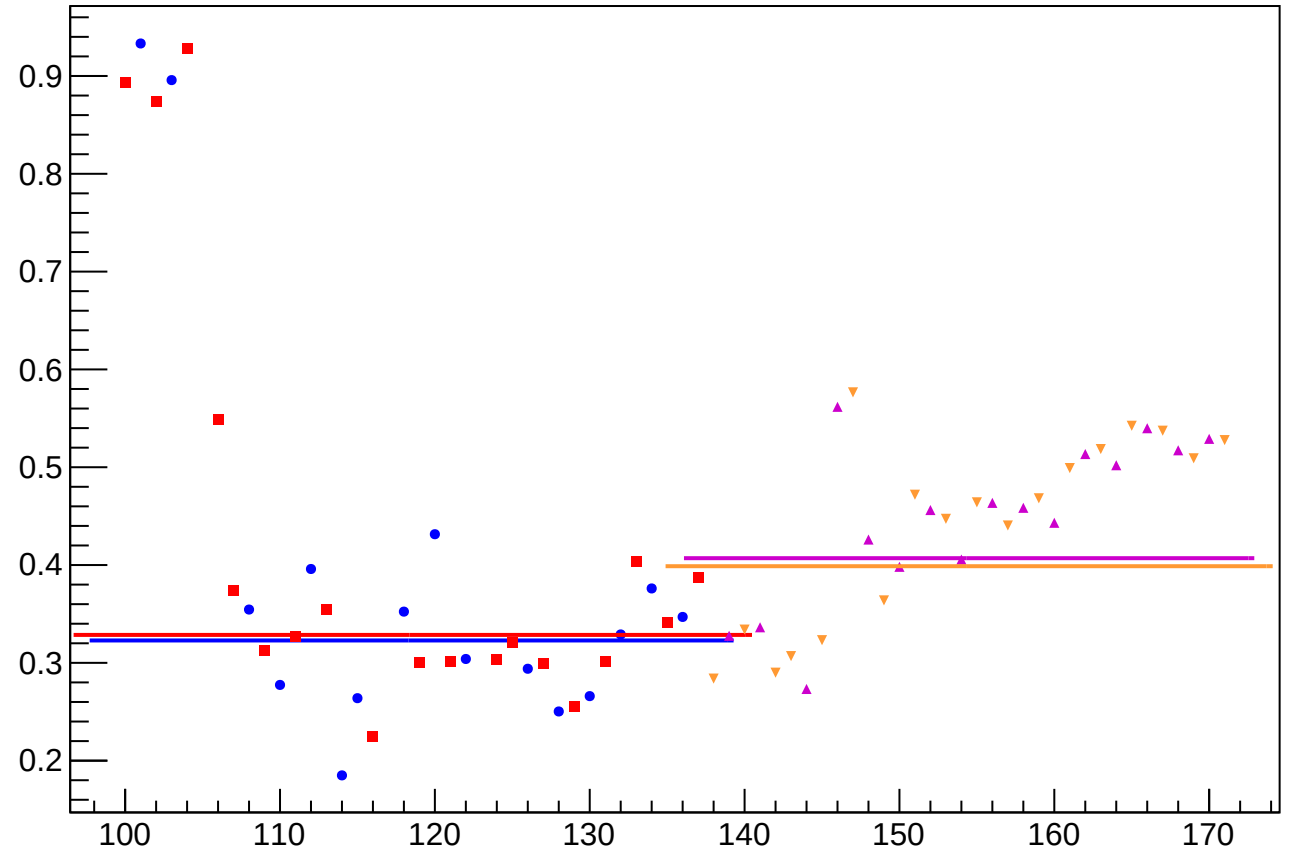
Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.560+/-0.000 χ^2/NDF:289347277.7/15

+ sign 146.394+/-0.000 χ^2/NDF: 4236013132.7/33

All: 146.272+/-0.000 χ^2/NDF: 9131999804.0

- sign 146.143+/-0.000 χ^2/NDF: 4891760828.8/34



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.399+/-0.000 χ^2/NDF:1459441.9/17

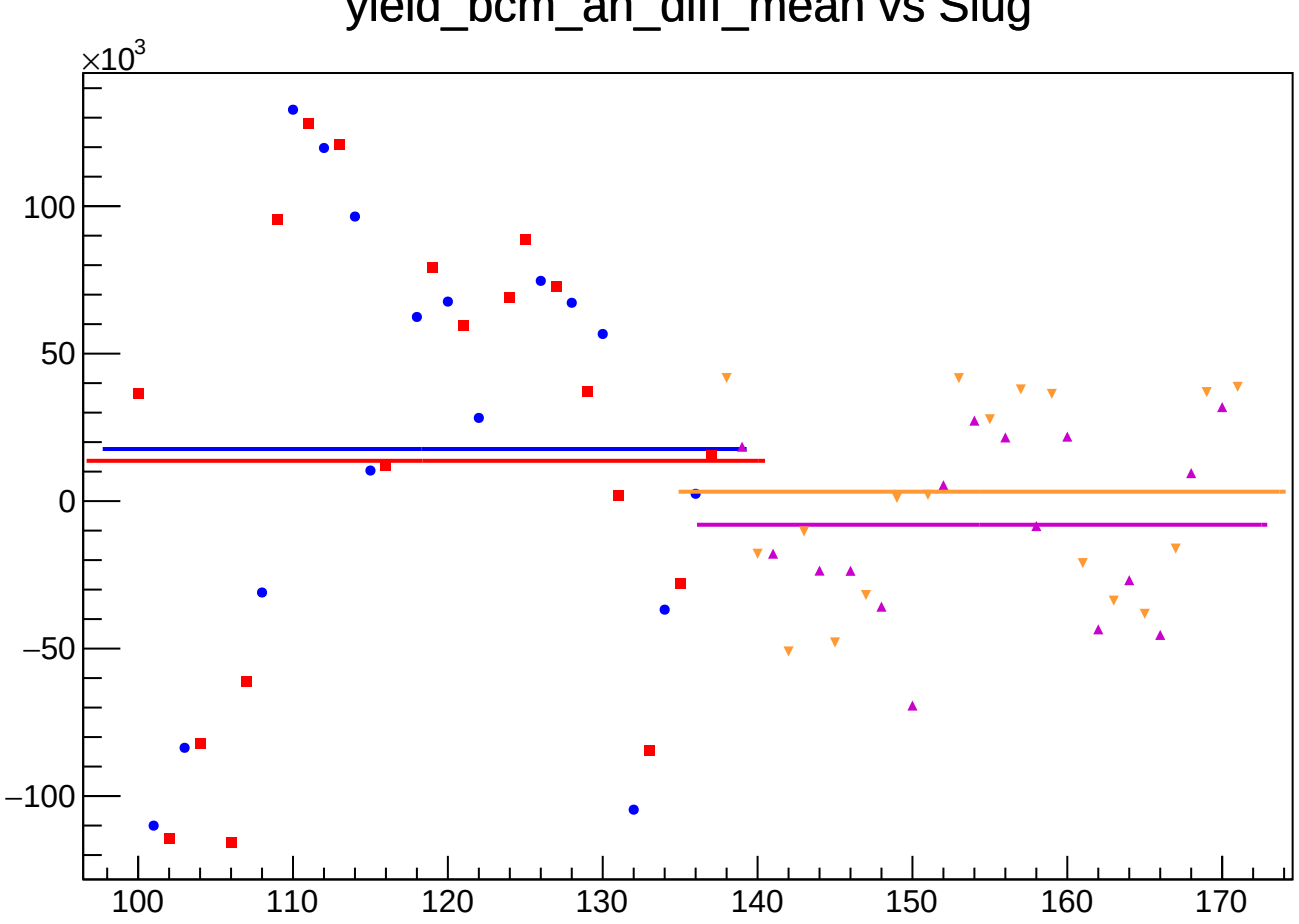
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.407+/-0.000 χ^2/NDF:1131519.1/15

+ sign 0.368+/-0.000 χ^2/NDF: 3242438.8/33

All: 0.370+/-0.000 χ^2/NDF: 6074126.7/68

- sign 0.373+/-0.000 χ^2/NDF: 2827922.7/34



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 3193.200+/-1.292 χ^2/NDF:619966509.8/17

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

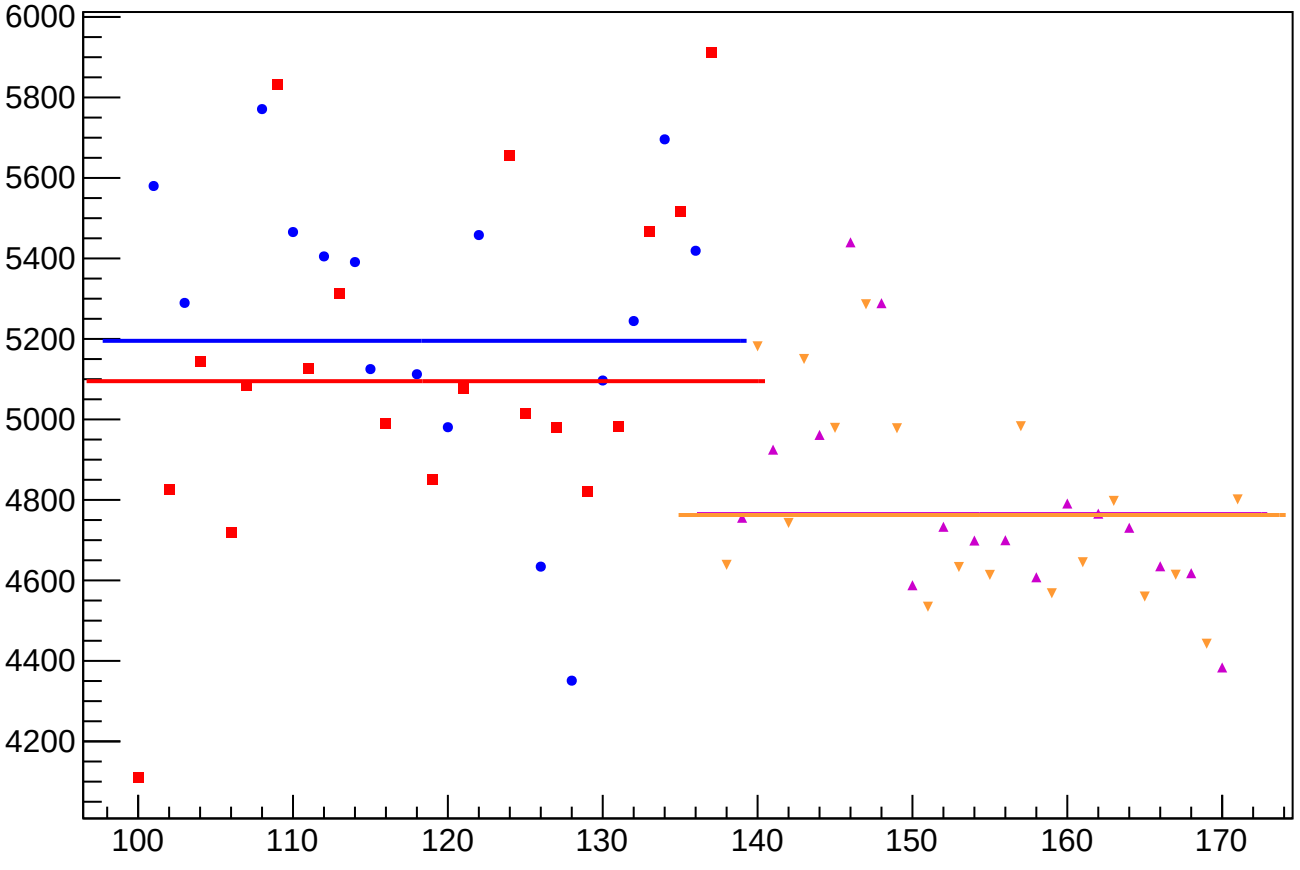
Left In: -8014.975+/-1.344 χ^2/NDF:503410340.3/15

+ sign 7438.178+/-1.086 χ^2/NDF: 2055494320.1/33

All: 3324.048+/-0.774 χ^2/NDF: 4530267181.

- sign -909.866+/-1.102 χ^2/NDF: 2445664535.9/34

yield_bcm_an_diff_rms vs Slug



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4762.511+/-0.914 χ^2/NDF:66927.6/17

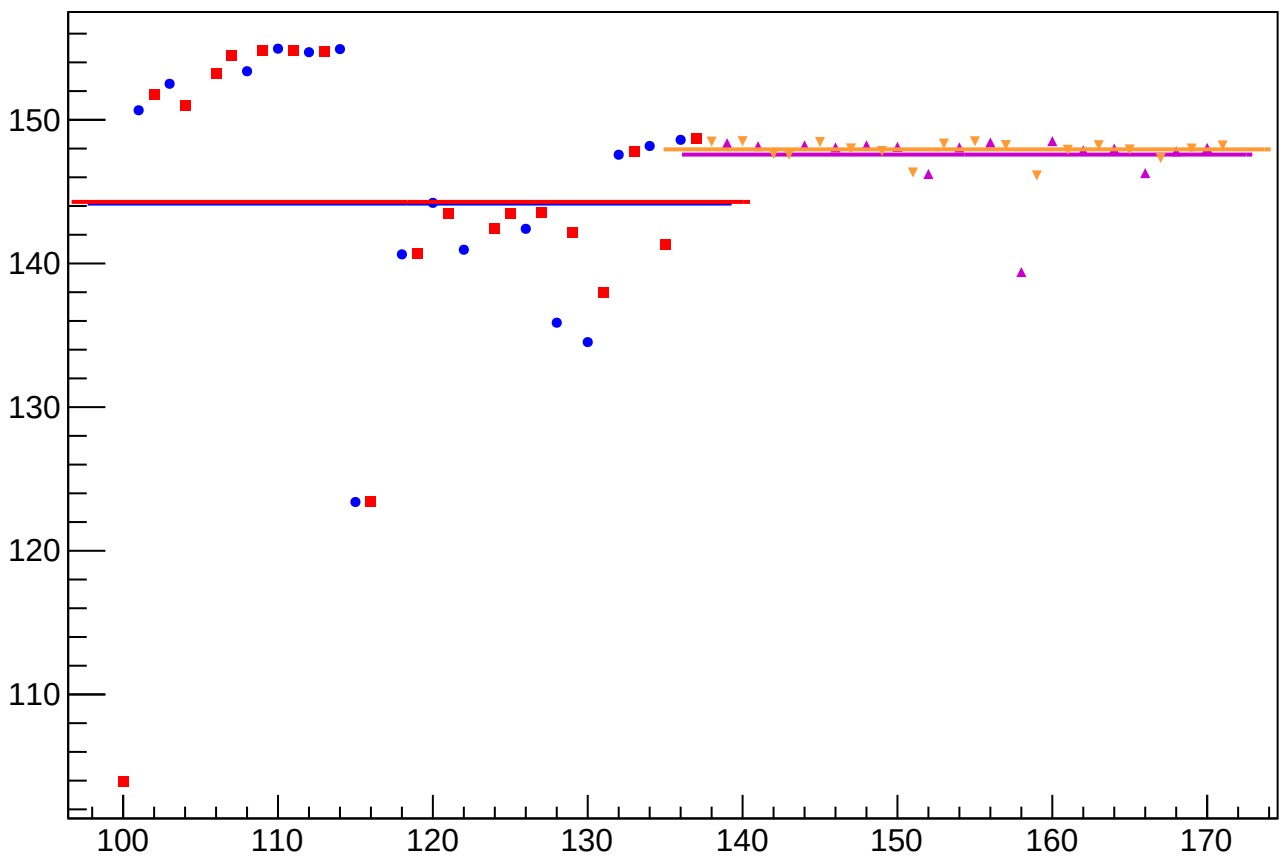
Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4764.841+/-0.950 χ^2/NDF:64150.0/15

\+ sign 4889.470+/-0.768 χ^2/NDF: 209908.7/33

All: 4881.379+/-0.547 χ^2/NDF: 372963.2/68

\- sign 4873.052+/-0.779 χ^2/NDF: 162829.3/34



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.944+/-0.000 χ^2/NDF:34018240.0/17

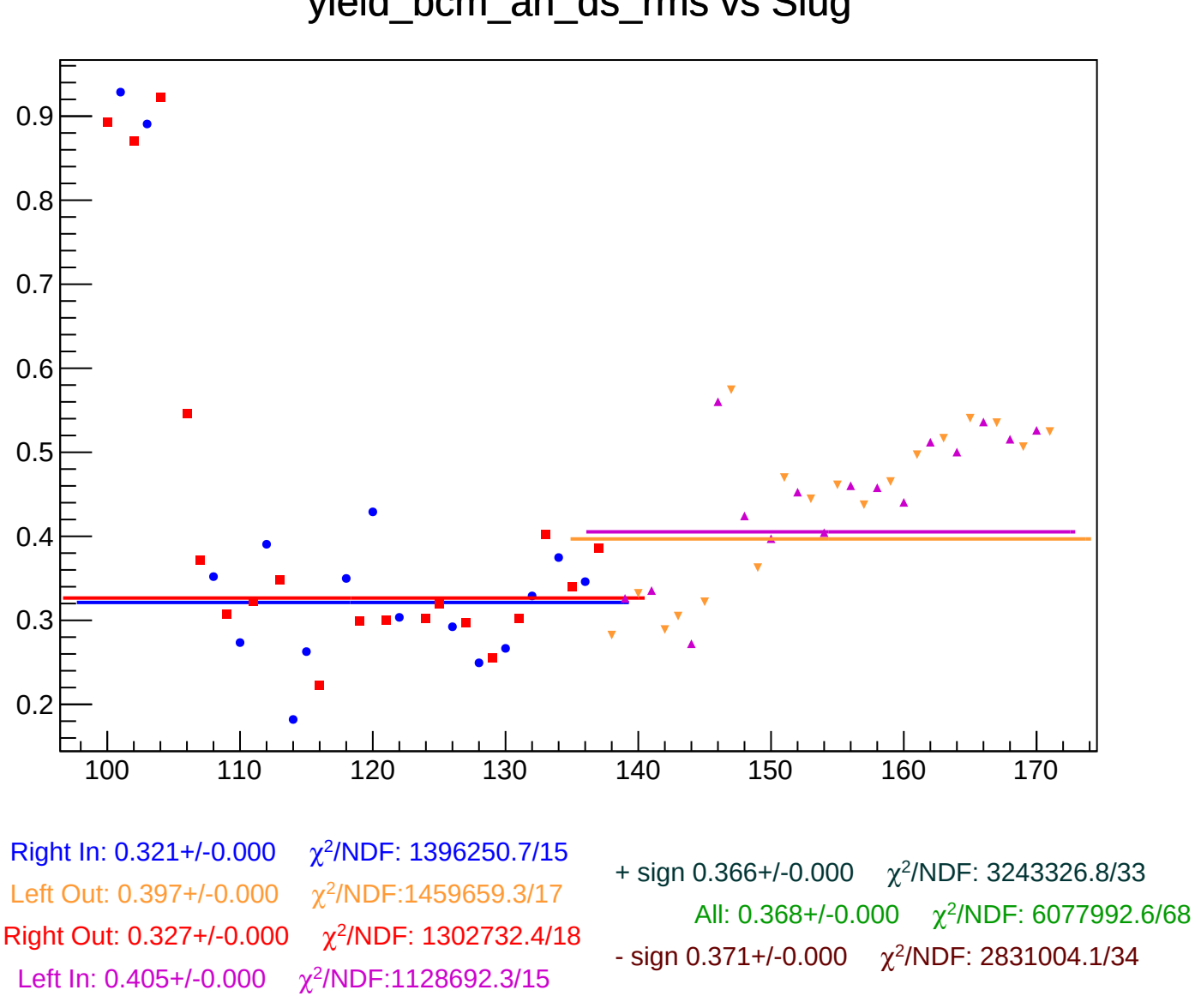
Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

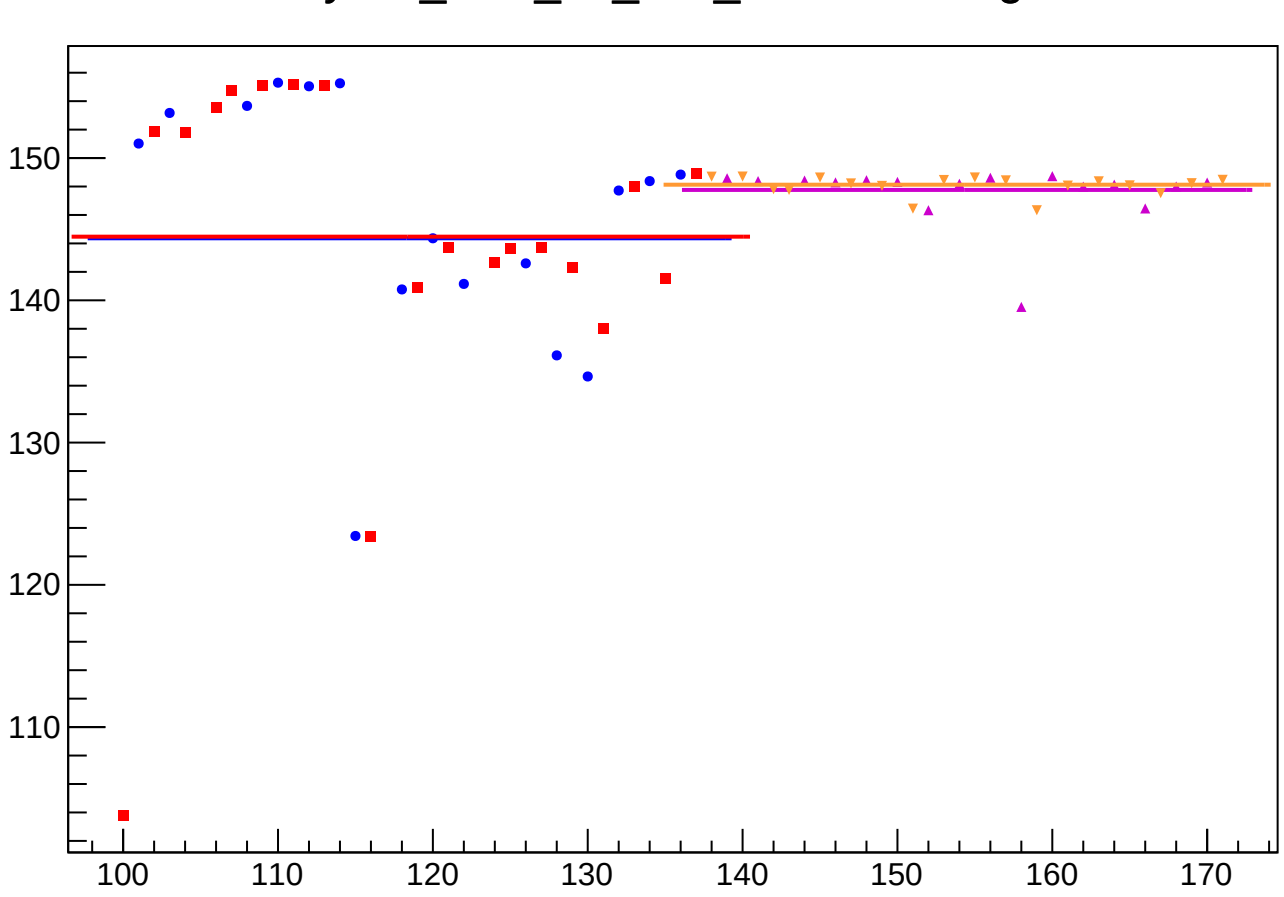
Left In: 147.581+/-0.000 χ^2/NDF:289896145.1/15

+ sign 146.391+/-0.000 χ^2/NDF: 4281395902.3/33

All: 146.271+/-0.000 χ^2/NDF: 9215206198.4

- sign 146.143+/-0.000 χ^2/NDF: 4929668387.3/34


yield_bcm_an_ds_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
170
Right In: 0.321+/-0.000 χ²/NDF: 1396250.7/15
Left Out: 0.397+/-0.000 χ²/NDF:1459659.3/17
Right Out: 0.327+/-0.000 χ²/NDF: 1302732.4/18
Left In: 0.405+/-0.000 χ²/NDF:1128692.3/15
+ sign 0.366+/-0.000 χ²/NDF: 3243326.8/33
All: 0.368+/-0.000 χ²/NDF: 6077992.6/68
- sign 0.371+/-0.000 χ²/NDF: 2831004.1/34



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.128+/-0.000 χ^2/NDF:34127973.1/17

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

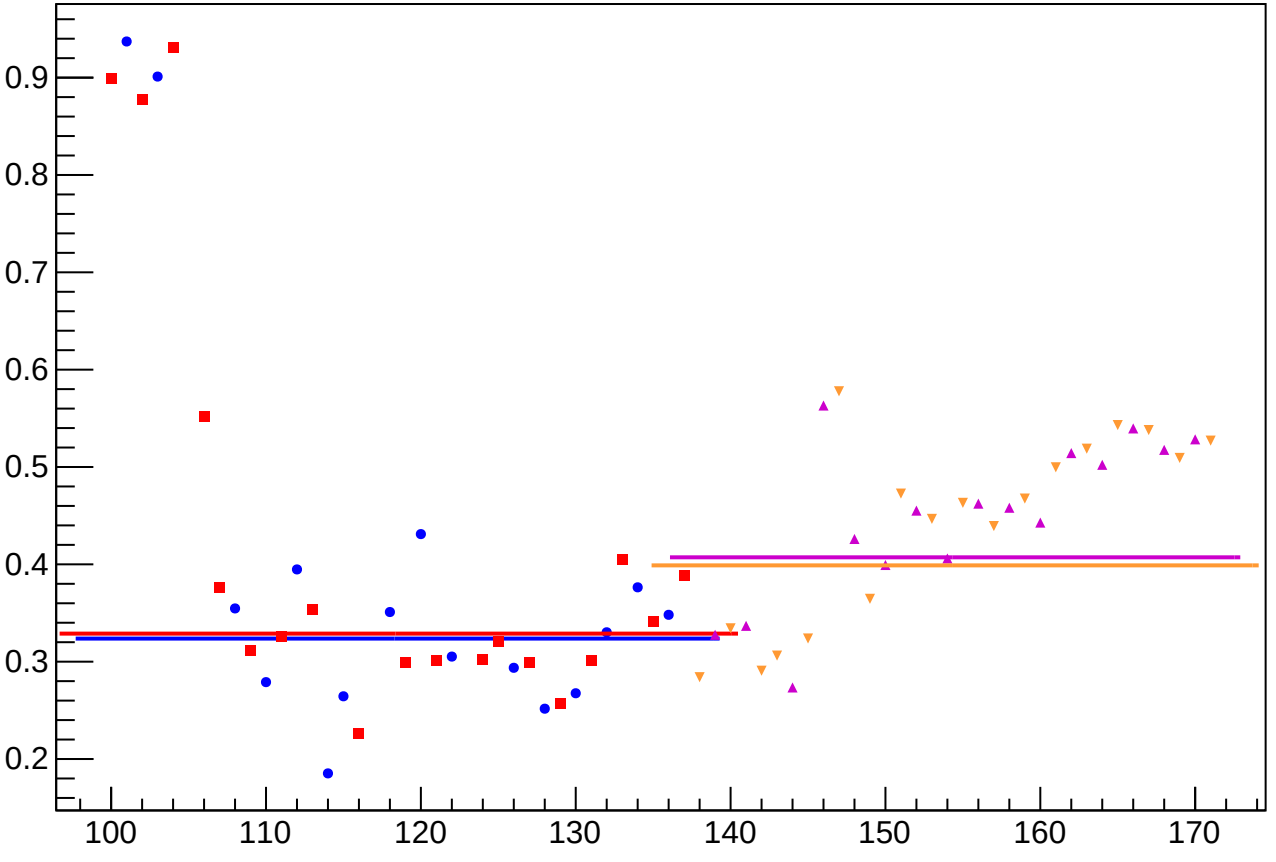
Left In: 147.760+/-0.000 χ^2/NDF:294302931.9/15

+ sign 146.580+/-0.000 χ^2/NDF: 4267765802.9/33

All: 146.459+/-0.000 χ^2/NDF: 9191836168.6

- sign 146.330+/-0.000 χ^2/NDF: 4919875721.5/34

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.399+/-0.000 χ^2/NDF:1457093.4/17

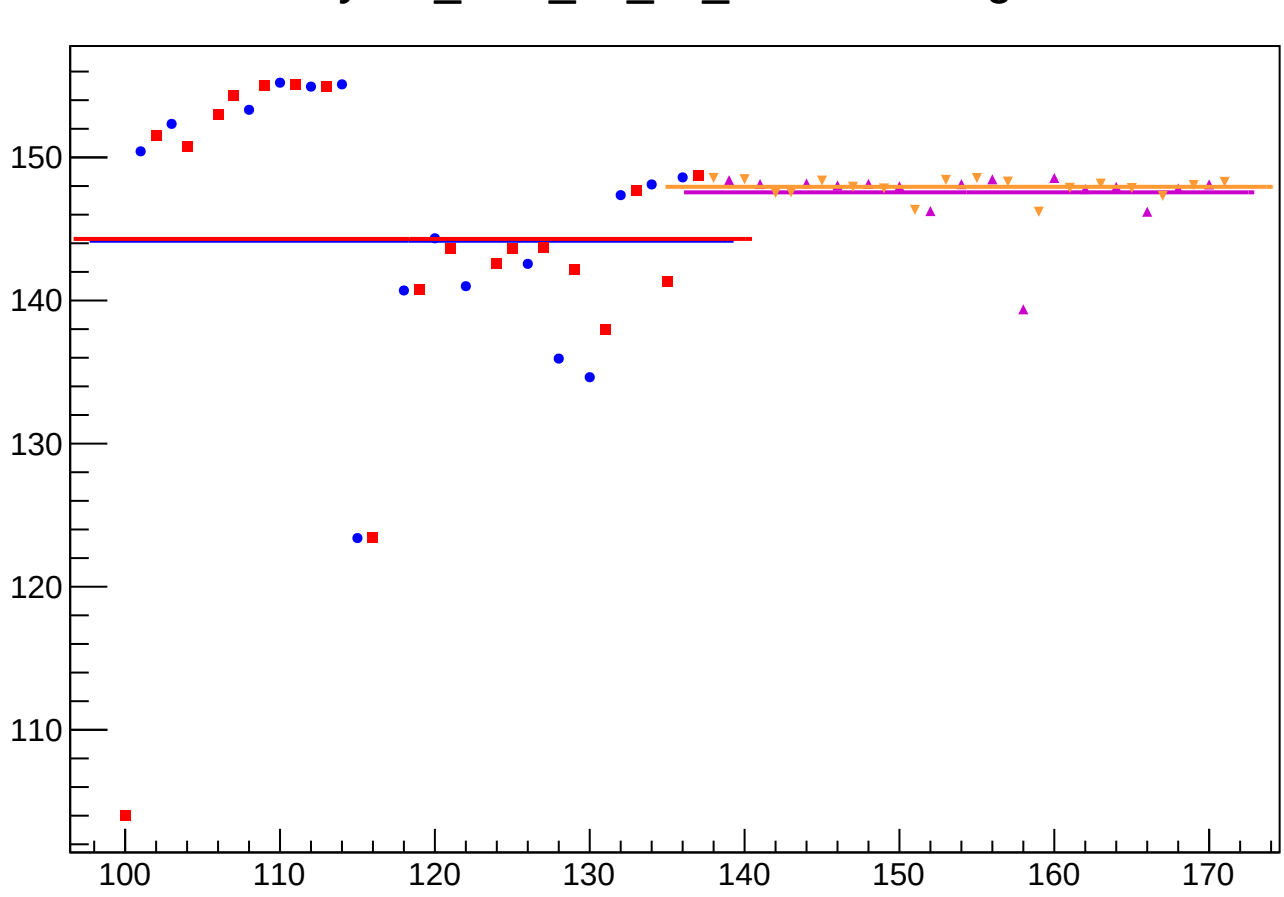
Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.407+/-0.000 χ^2/NDF:1127740.0/15

+ sign 0.368+/-0.000 χ^2/NDF: 3228291.2/33

All: 0.370+/-0.000 χ^2/NDF: 6053768.4/68

- sign 0.373+/-0.000 χ^2/NDF: 2822070.1/34



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.946+/-0.000 χ^2/NDF:34225977.2/17

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

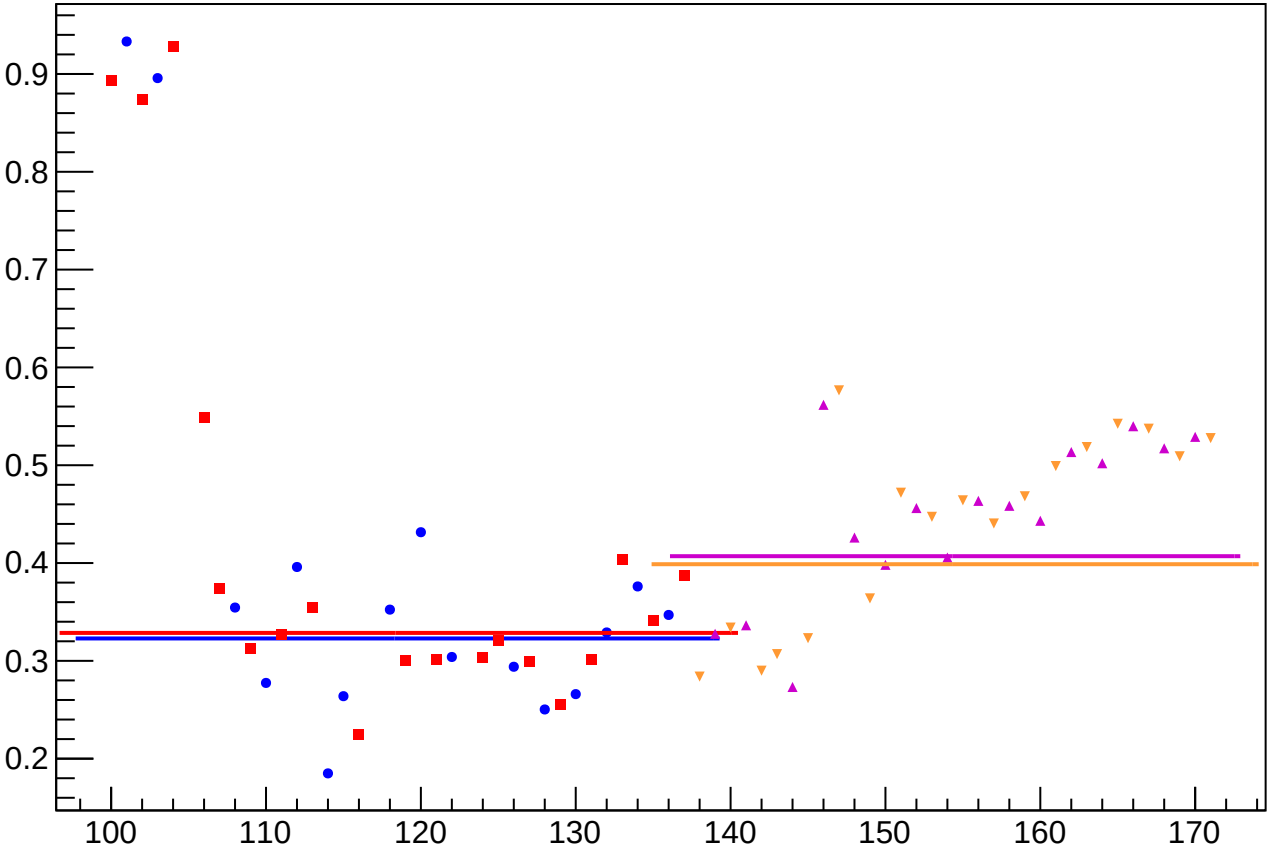
Left In: 147.560+/-0.000 χ^2/NDF:289347277.7/15

+ sign 146.394+/-0.000 χ^2/NDF: 4236013132.7/33

All: 146.272+/-0.000 χ^2/NDF: 9131999804.0

- sign 146.143+/-0.000 χ^2/NDF: 4891760828.8/34

yield_bcm_an_us_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.399+/-0.000 χ^2/NDF:1459441.9/17

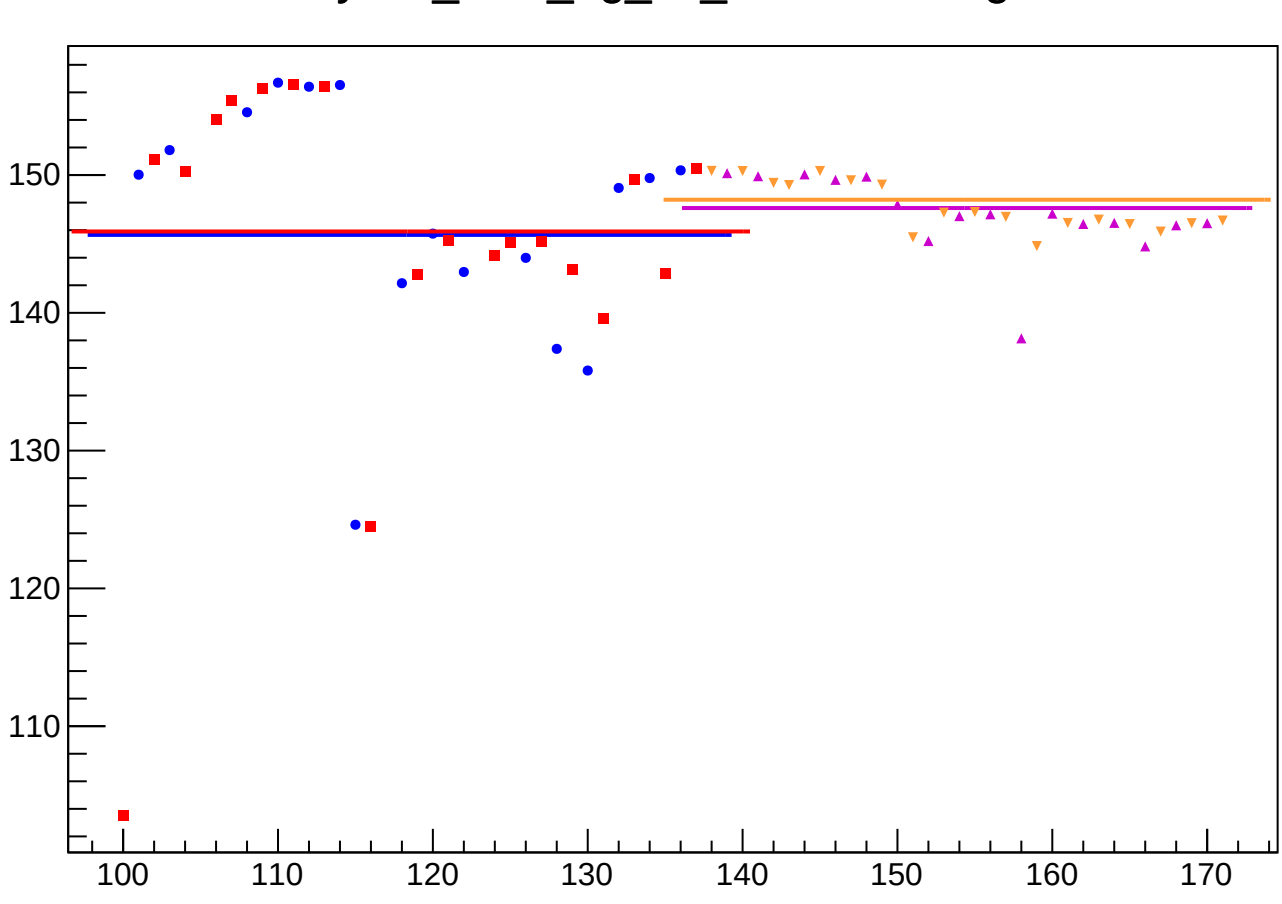
Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.407+/-0.000 χ^2/NDF:1131519.1/15

+ sign 0.368+/-0.000 χ^2/NDF: 3242438.8/33

All: 0.370+/-0.000 χ^2/NDF: 6074126.7/68

- sign 0.373+/-0.000 χ^2/NDF: 2827922.7/34



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.210+/-0.000 χ^2/NDF:247908508.8/17

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

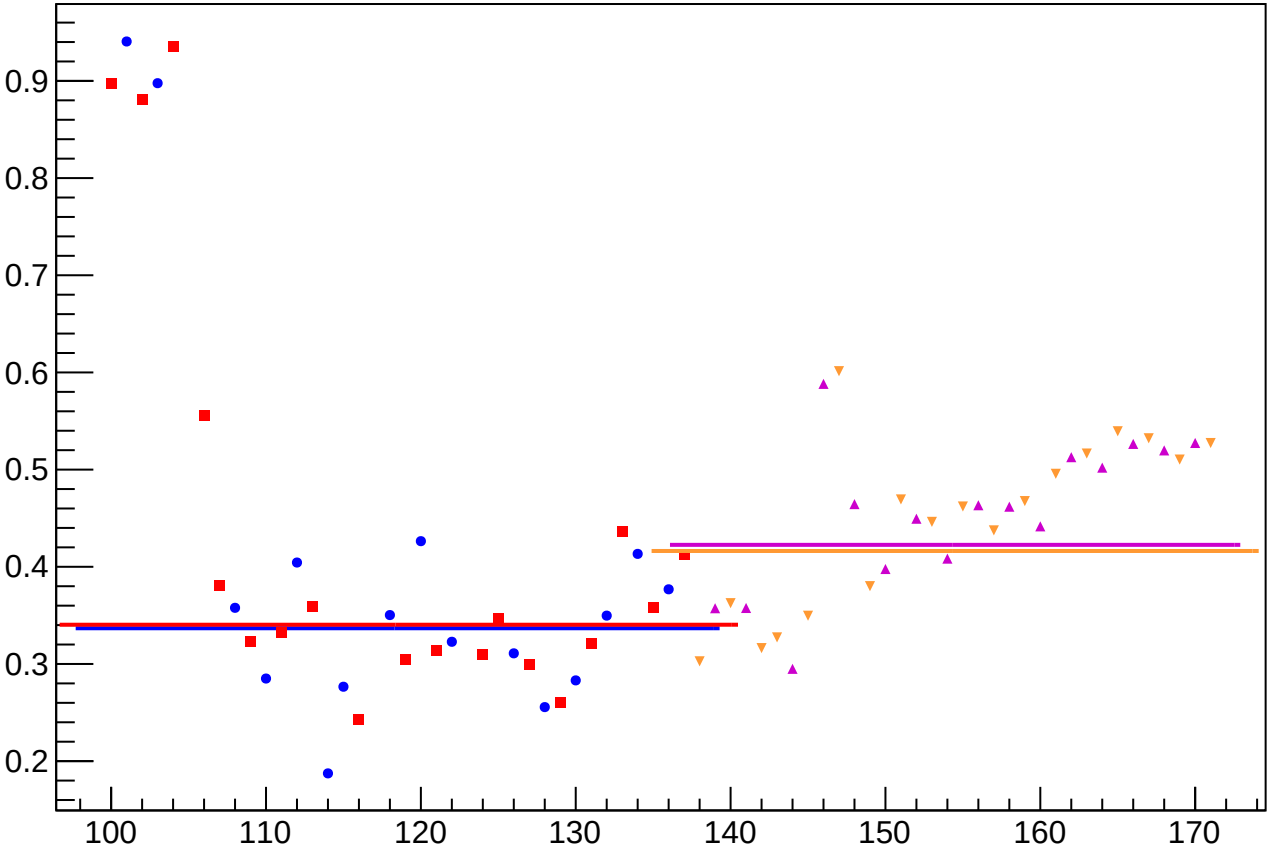
Left In: 147.606+/-0.000 χ^2/NDF:555396900.4/15

+ sign 147.165+/-0.000 χ^2/NDF: 3931275221.2/33

All: 147.020+/-0.000 χ^2/NDF: 8441345700.8

- sign 146.868+/-0.000 χ^2/NDF: 4504582369.4/34

yield_bcm_dg_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.416+/-0.000 χ^2/NDF:1086603.2/17

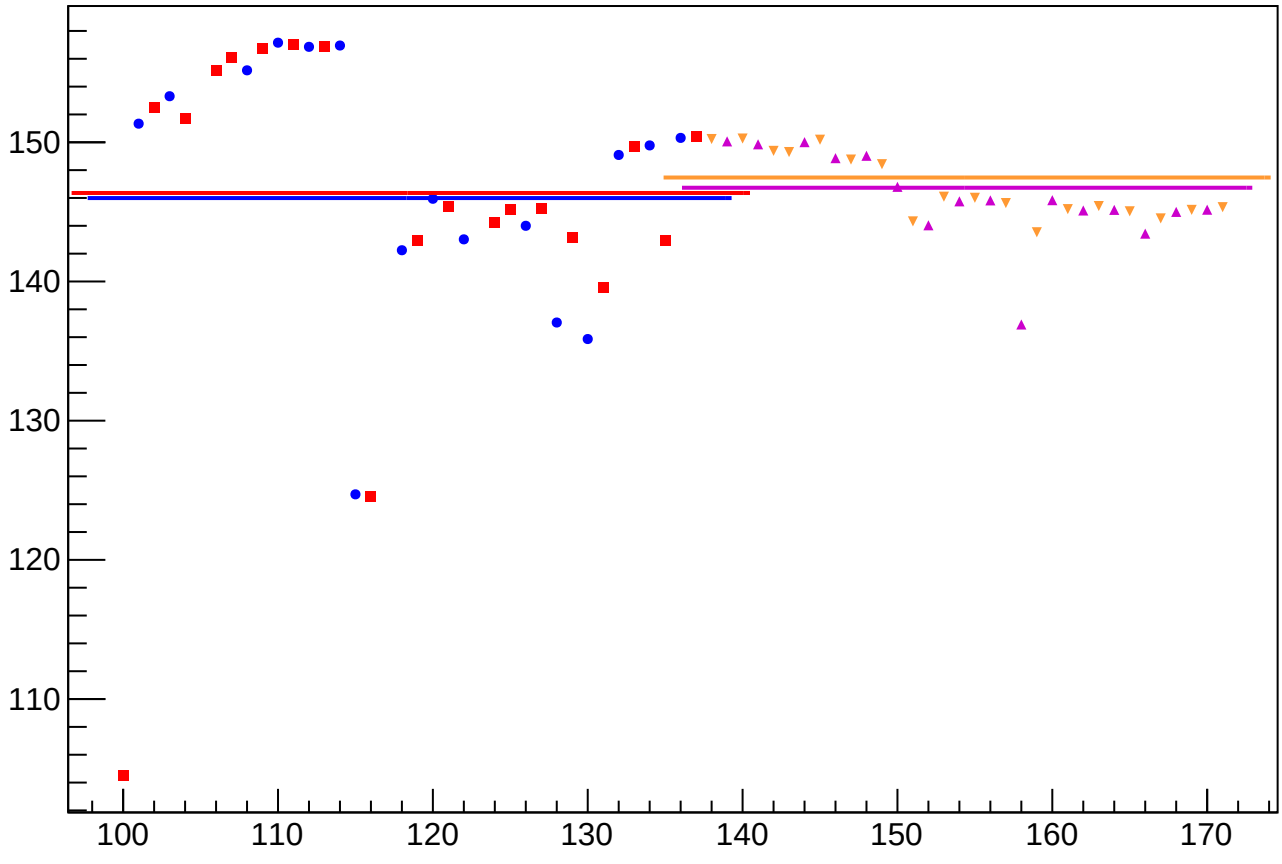
Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.423+/-0.000 χ^2/NDF:864121.9/15

+ sign 0.384+/-0.000 χ^2/NDF: 2848938.9/33

All: 0.385+/-0.000 χ^2/NDF: 5391352.8/68

- sign 0.387+/-0.000 χ^2/NDF: 2541132.4/34



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.470+/-0.000 χ^2/NDF:421026170.6/17

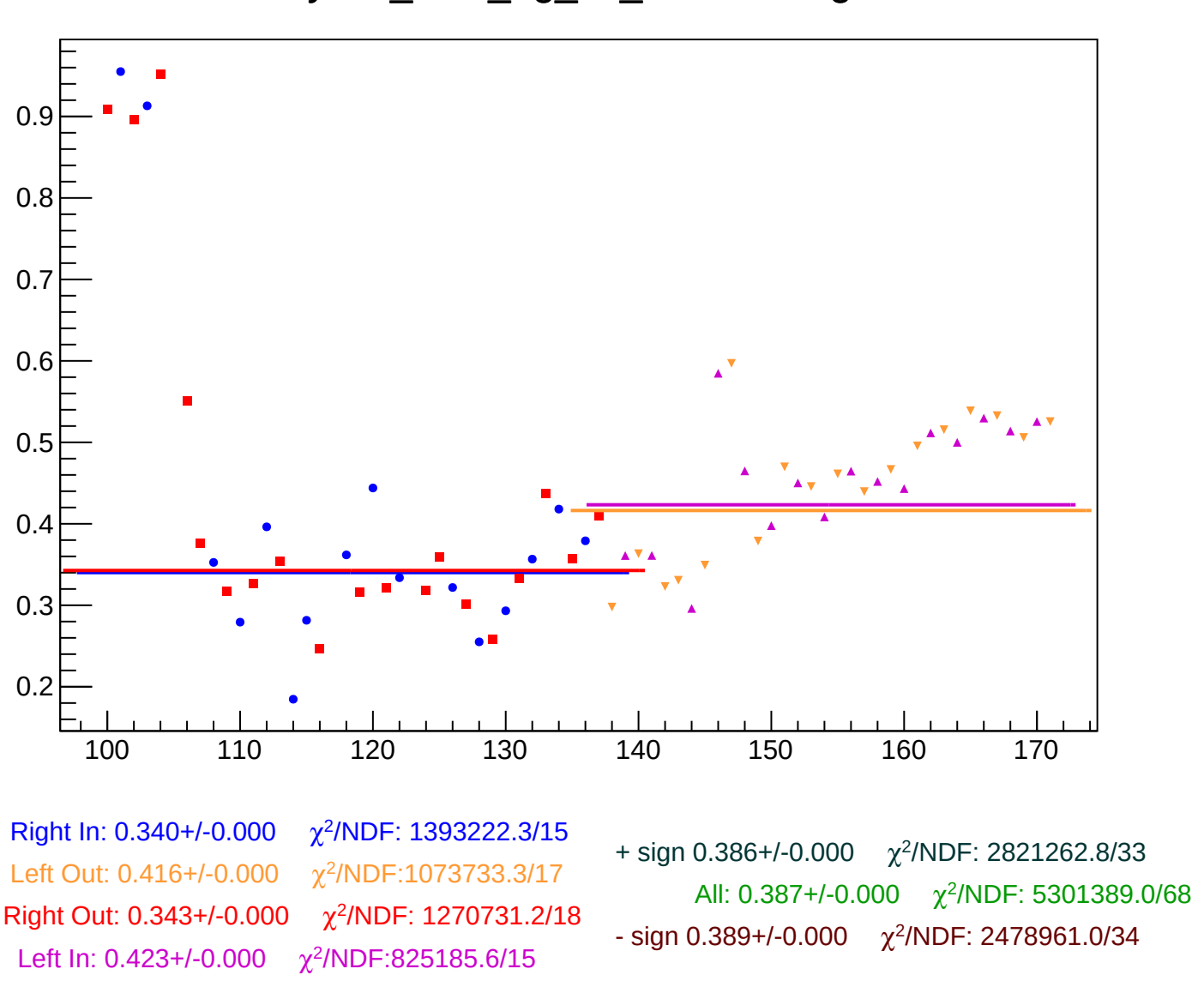
Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.735+/-0.000 χ^2/NDF:735710303.0/15

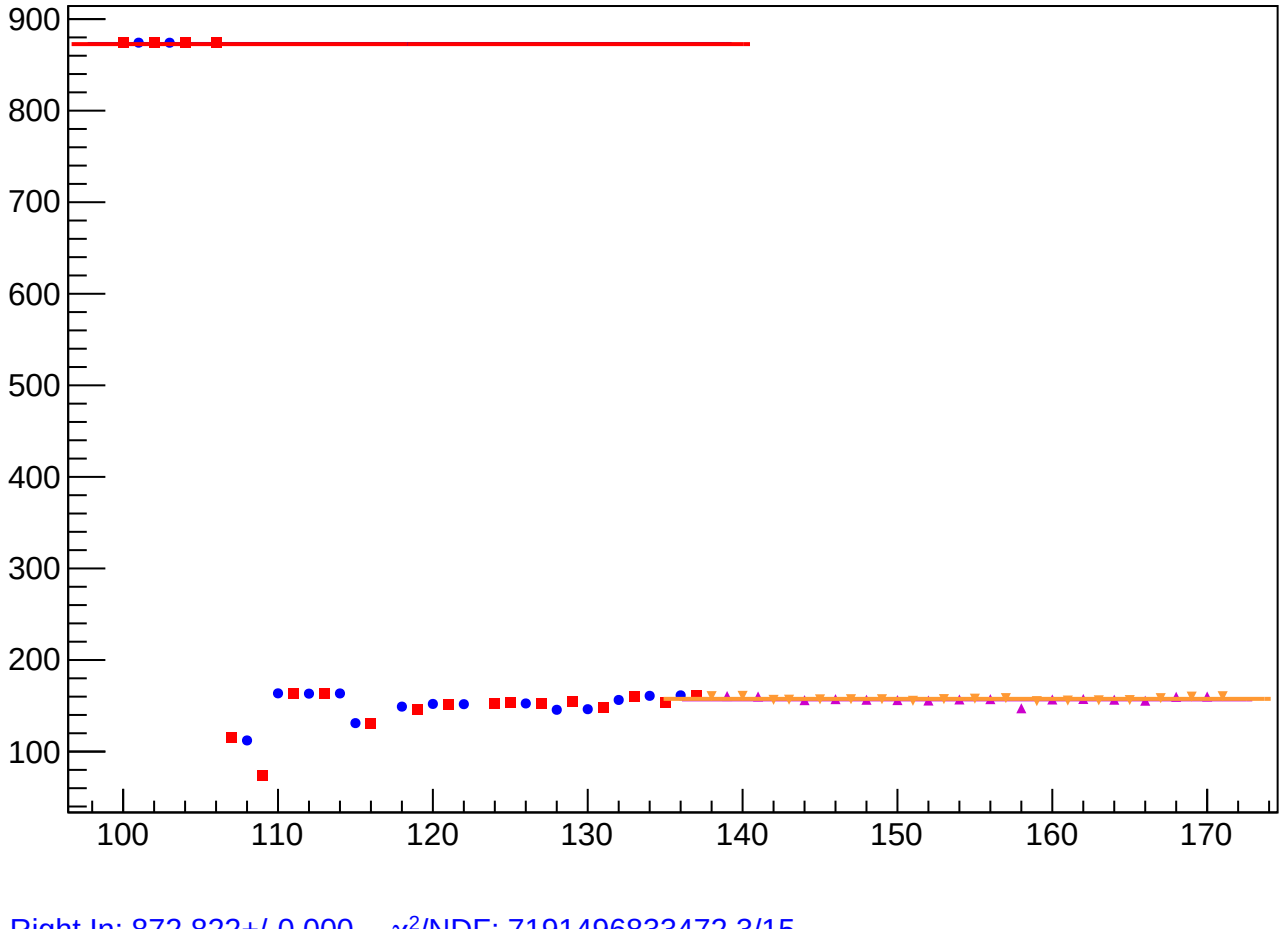
+ sign 146.873+/-0.000 χ^2/NDF: 4109283127.9/33

All: 146.727+/-0.000 χ^2/NDF: 8817856281.8

- sign 146.573+/-0.000 χ^2/NDF: 4703000207.9/34


yield_bcm_dg_ds_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
170
Right In: 0.340+/-0.000 χ²/NDF: 1393222.3/15
Left Out: 0.416+/-0.000 χ²/NDF:1073733.3/17
Right Out: 0.343+/-0.000 χ²/NDF: 1270731.2/18
Left In: 0.423+/-0.000 χ²/NDF:825185.6/15
+ sign 0.386+/-0.000 χ²/NDF: 2821262.8/33
All: 0.387+/-0.000 χ²/NDF: 5301389.0/68
- sign 0.389+/-0.000 χ²/NDF: 2478961.0/34

yield_cav4bQ_mean vs Slug



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.569+/-0.000 χ^2/NDF:88539759.1/17

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

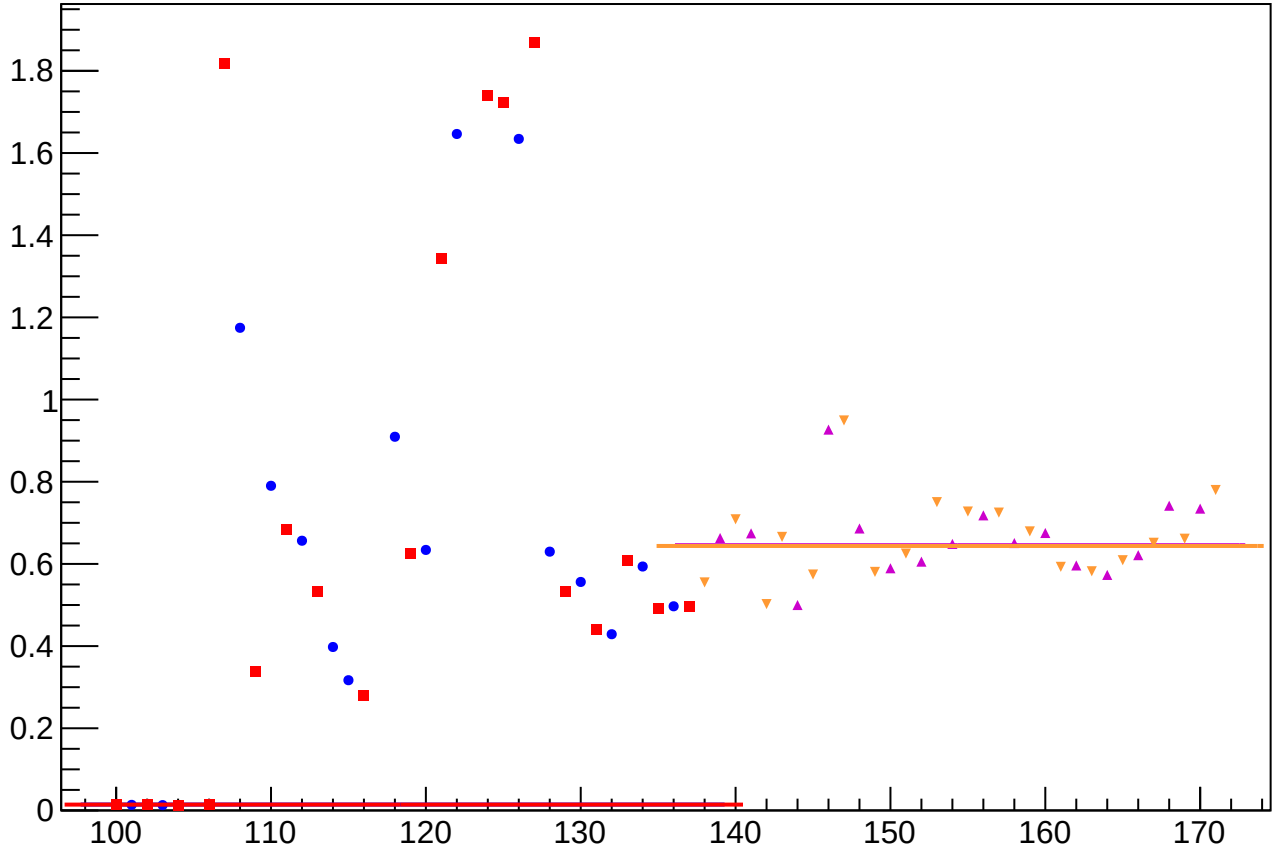
Left In: 157.006+/-0.000 χ^2/NDF:197713974.4/15

+ sign 870.269+/-0.000 χ^2/NDF: 20201620132400.

All: 870.465+/-0.000 χ^2/NDF: 413540480406

- sign 870.636+/-0.000 χ^2/NDF: 21151912638074.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.644+/-0.000 χ^2/NDF:354384.8/17

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

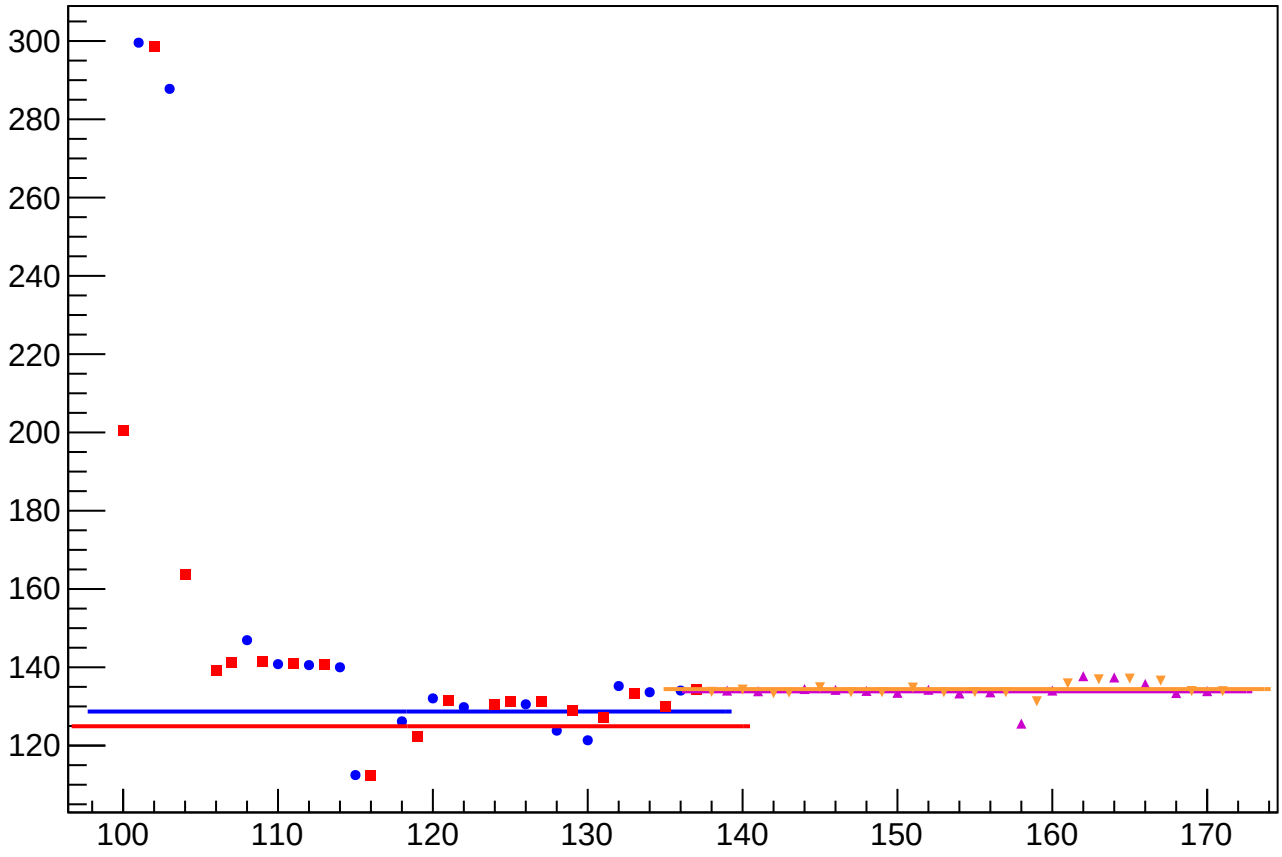
Left In: 0.646+/-0.000 χ^2/NDF:301599.9/15

+ sign 0.017+/-0.000 χ^2/NDF: 30120622.9/33

All: 0.016+/-0.000 χ^2/NDF: 58487800.5/68

- sign 0.016+/-0.000 χ^2/NDF: 28364533.9/34

yield_cav4cQ_mean vs Slug



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.432+/-0.000 χ^2/NDF:116620927.4/17

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

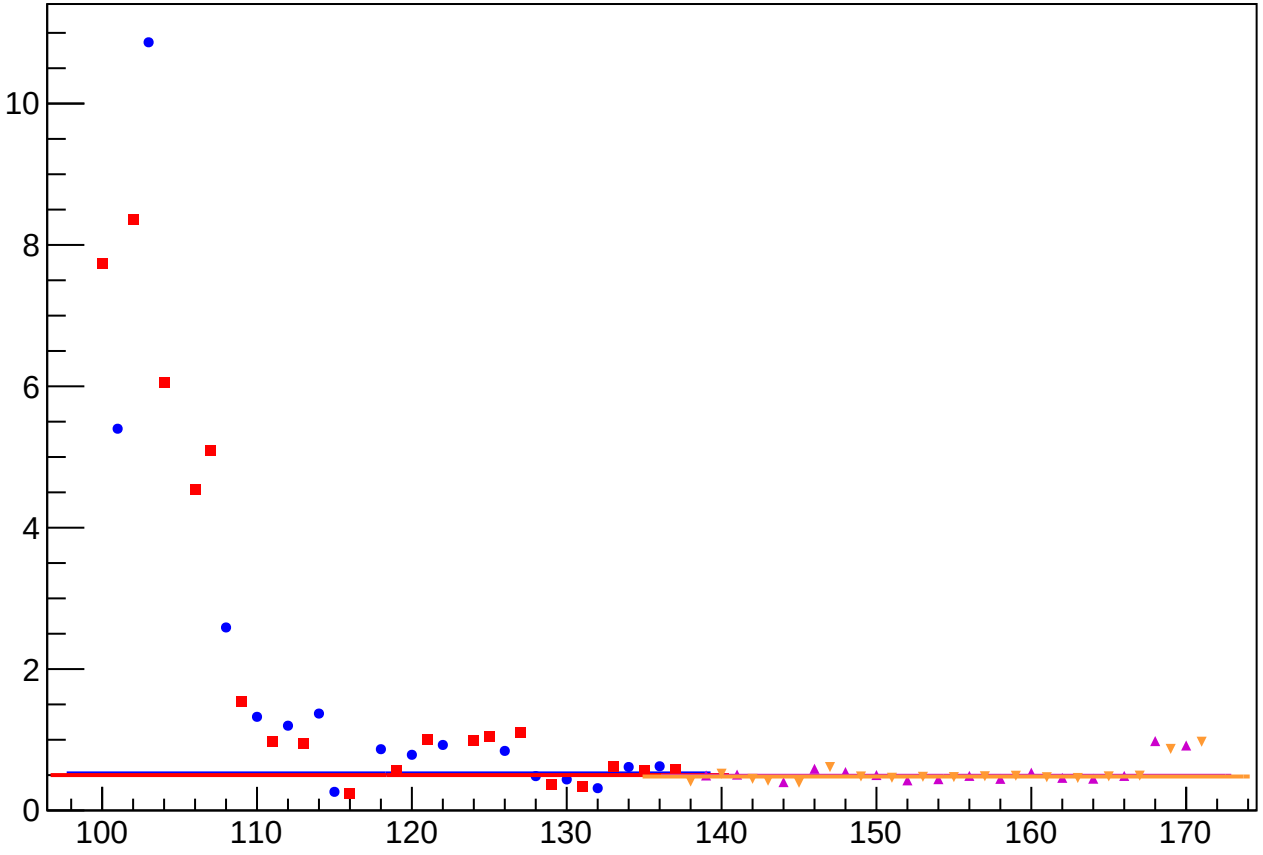
Left In: 133.859+/-0.000 χ^2/NDF:367723403.5/15

+ sign 133.275+/-0.000 χ^2/NDF: 2123196354.9/33

All: 132.569+/-0.000 χ^2/NDF: 4817244703.8

- sign 131.801+/-0.000 χ^2/NDF: 2625201642.5/34

yield_cav4cQ_rms vs Slug



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.480+/-0.000 χ^2/NDF:862664.9/17

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

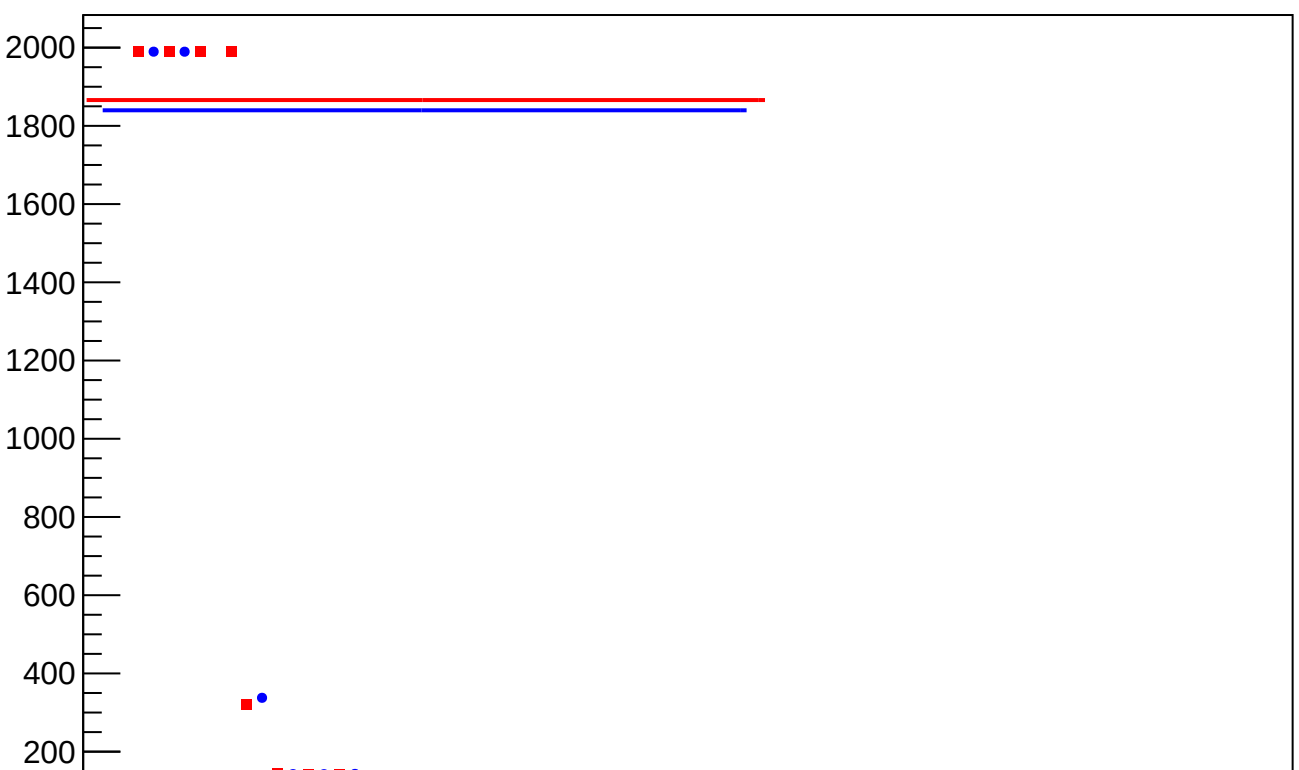
Left In: 0.490+/-0.000 χ^2/NDF:923591.6/15

+ sign 0.489+/-0.000 χ^2/NDF: 5042244.4/33

All: 0.491+/-0.000 χ^2/NDF: 10853079.8/68

- sign 0.493+/-0.000 χ^2/NDF: 5809952.8/34

yield_cav4dQ_mean vs Slug



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.496+/-0.000 χ^2/NDF:59201829.3/17

Right Out: 1865.968+/-0.000 χ^2/NDF: 1427691222760 45.8/18

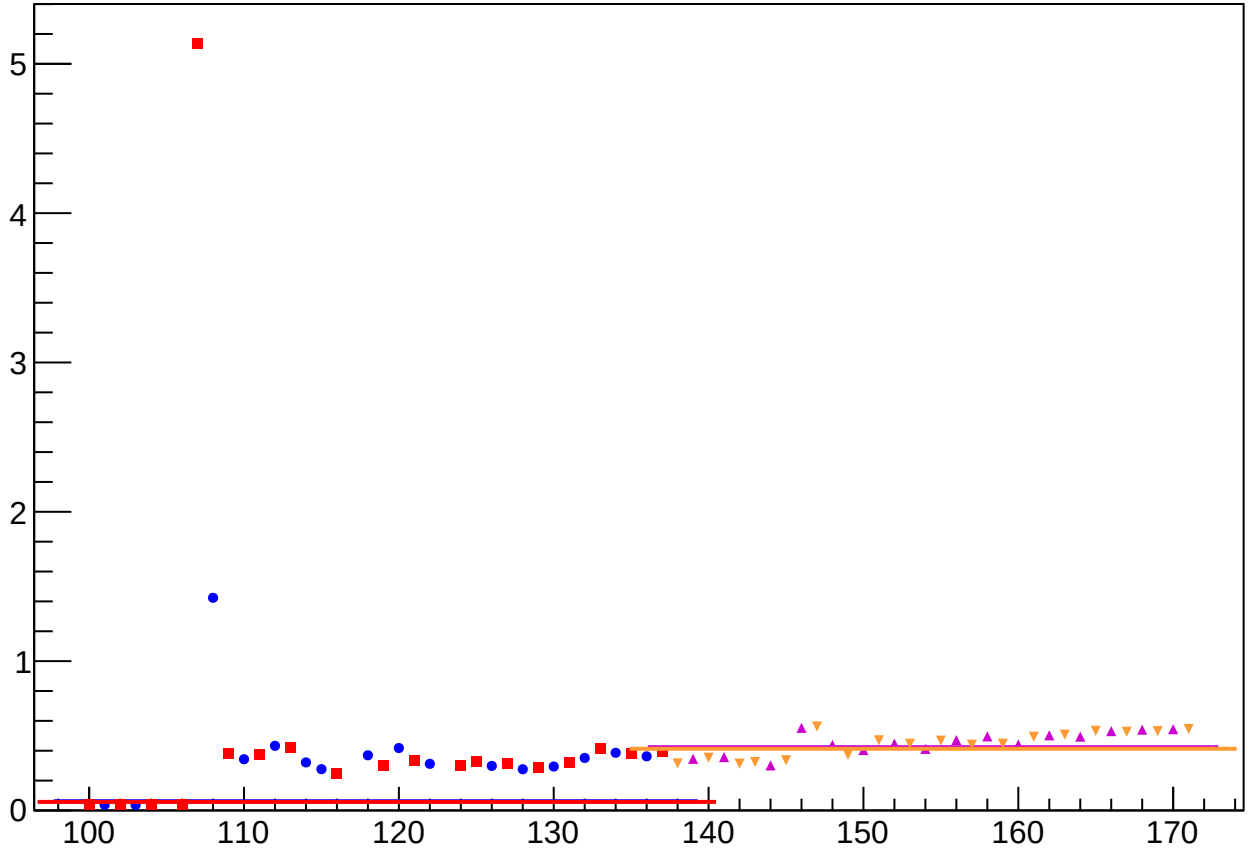
Left In: 137.228+/-0.000 χ^2/NDF:227762351.5/15

+ sign 1636.376+/-0.000 χ^2/NDF: 3433947240583

All: 1672.557+/-0.000 χ^2/NDF: 673690119

- sign 1704.460+/-0.000 χ^2/NDF: 32869982628456

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.413+/-0.000 χ^2/NDF:1082258.3/17

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

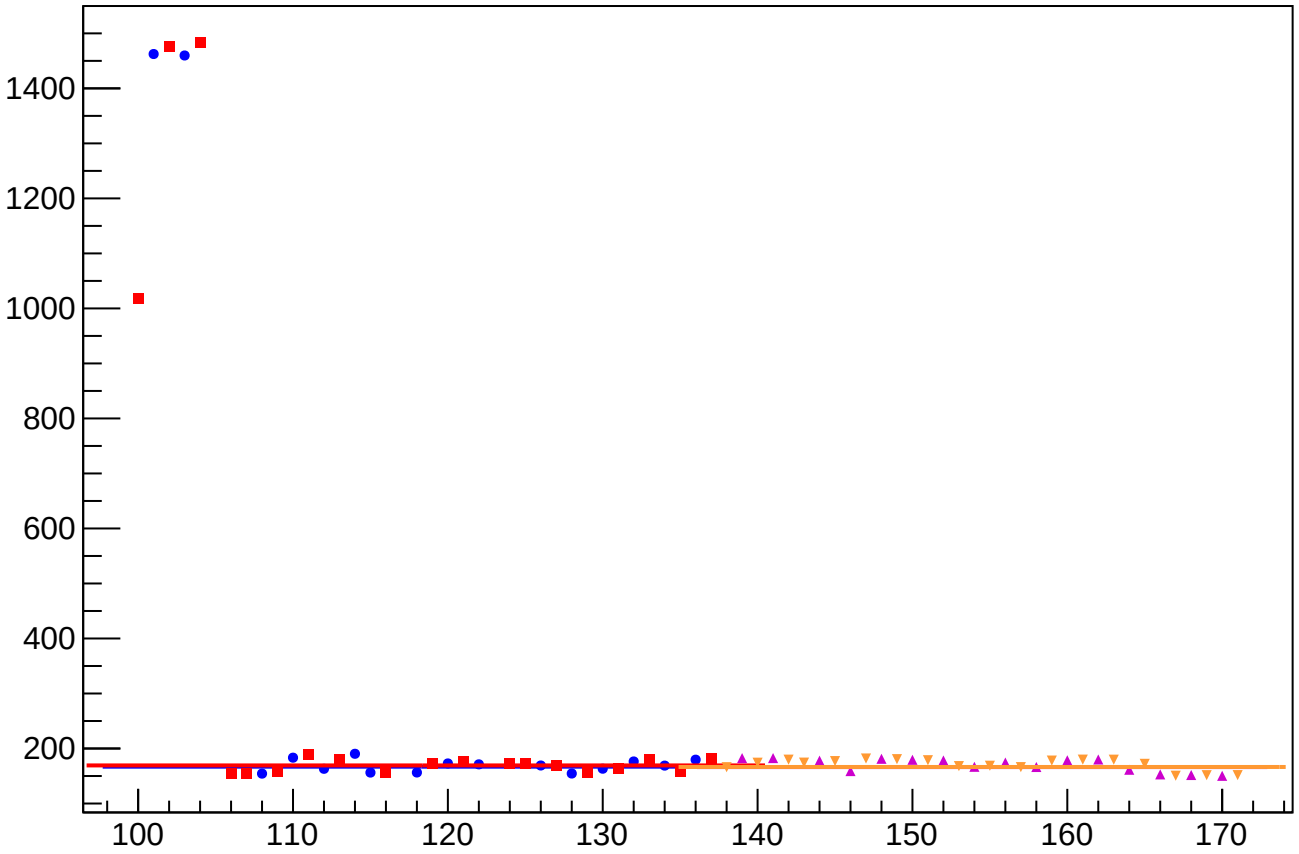
Left In: 0.424+/-0.000 χ^2/NDF:853042.4/15

+ sign 0.104+/-0.000 χ^2/NDF: 26078557.8/33

All: 0.097+/-0.000 χ^2/NDF: 51477140.5/68

- sign 0.092+/-0.000 χ^2/NDF: 25295485.7/34

yield_bcm0l02_mean vs Slug



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 166.432+/-0.000 χ^2/NDF:2175664413.4/17

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

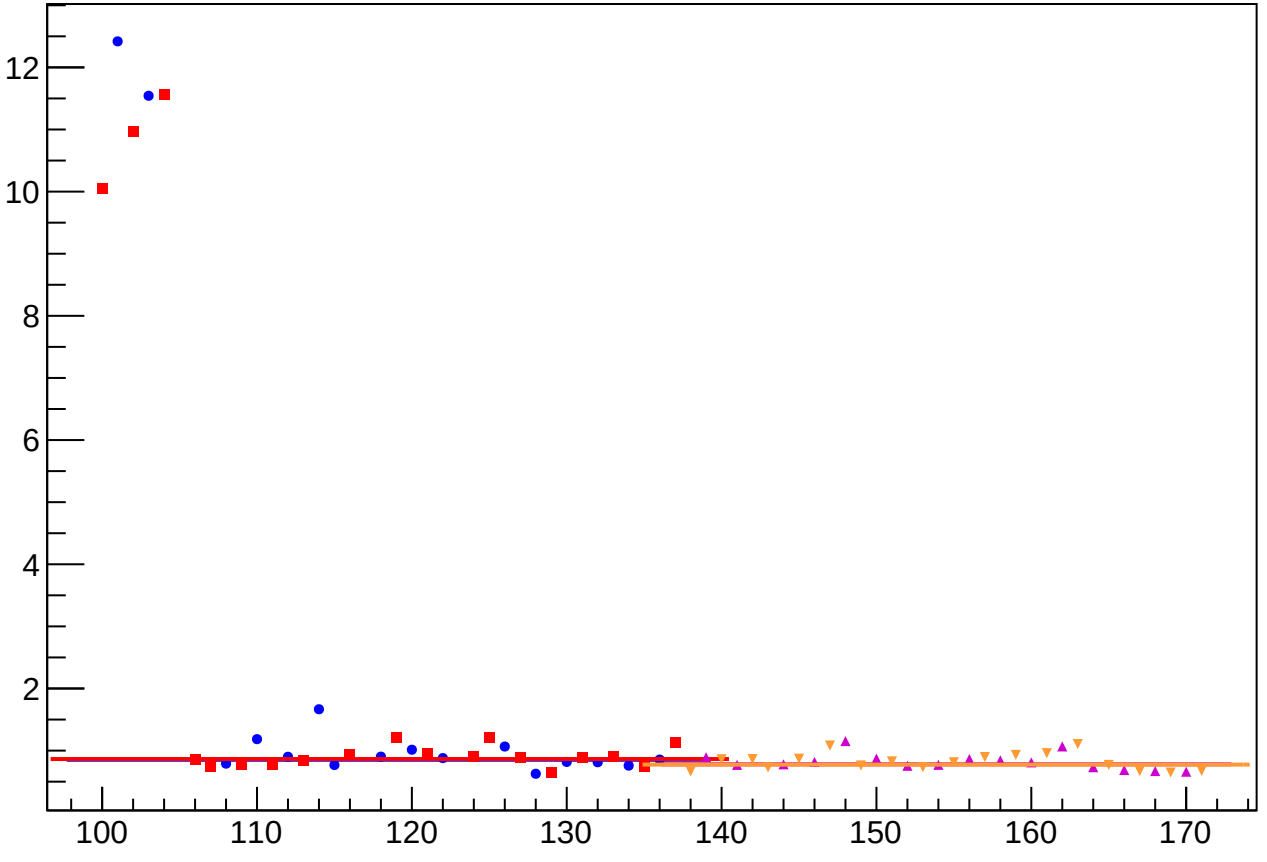
Left In: 166.259+/-0.000 χ^2/NDF:2208196684.7/15

+ sign 166.578+/-0.000 χ^2/NDF: 16792002101.3/33

All: 166.821+/-0.000 χ^2/NDF: 35355910308.

- sign 167.078+/-0.000 χ^2/NDF: 18561337670.8/34

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.775+/-0.000 χ^2/NDF:470515.3/17

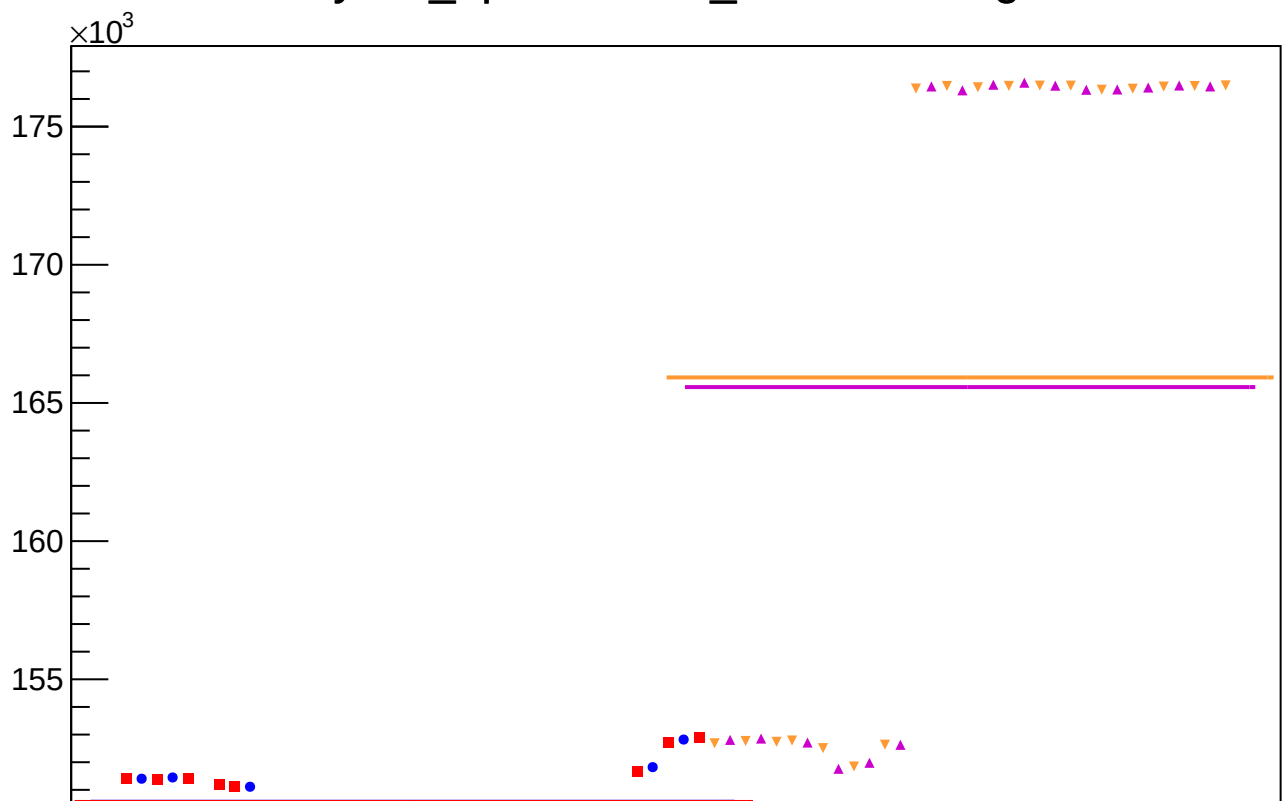
Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.780+/-0.000 χ^2/NDF:367139.7/15

+ sign 0.794+/-0.000 χ^2/NDF: 2821529.3/33

All: 0.798+/-0.000 χ^2/NDF: 5456185.6/68

- sign 0.803+/-0.000 χ^2/NDF: 2633166.6/34



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 165923.347+/-0.051 χ^2/NDF:54281523083.6/17

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

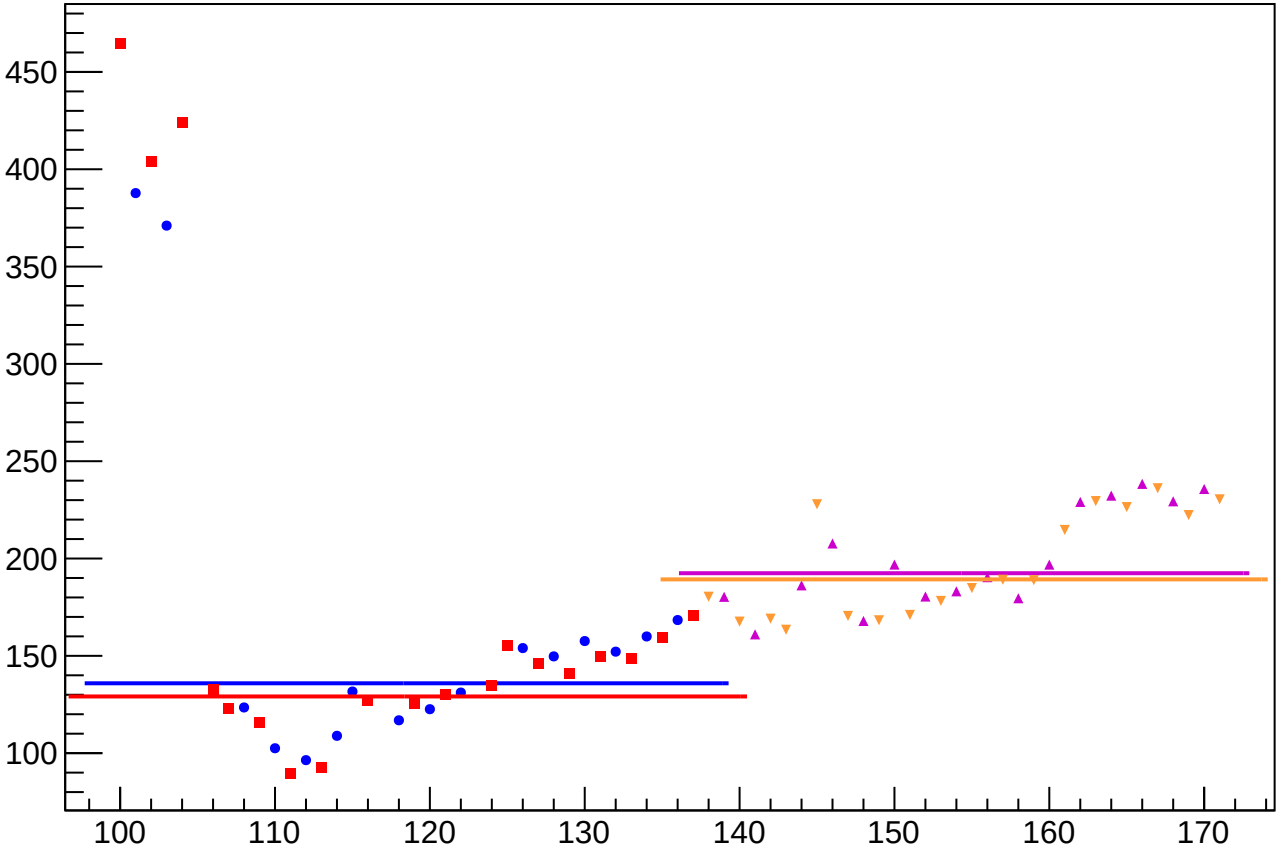
Left In: 165574.255+/-0.054 χ^2/NDF:49432437926.3/15

+ sign 158785.837+/-0.037 χ^2/NDF: 96825602359.

All: 158230.195+/-0.026 χ^2/NDF: 18802802

- sign 157682.574+/-0.037 χ^2/NDF: 90760222739.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 189.286+/-0.036 χ^2/NDF:459144.6/17

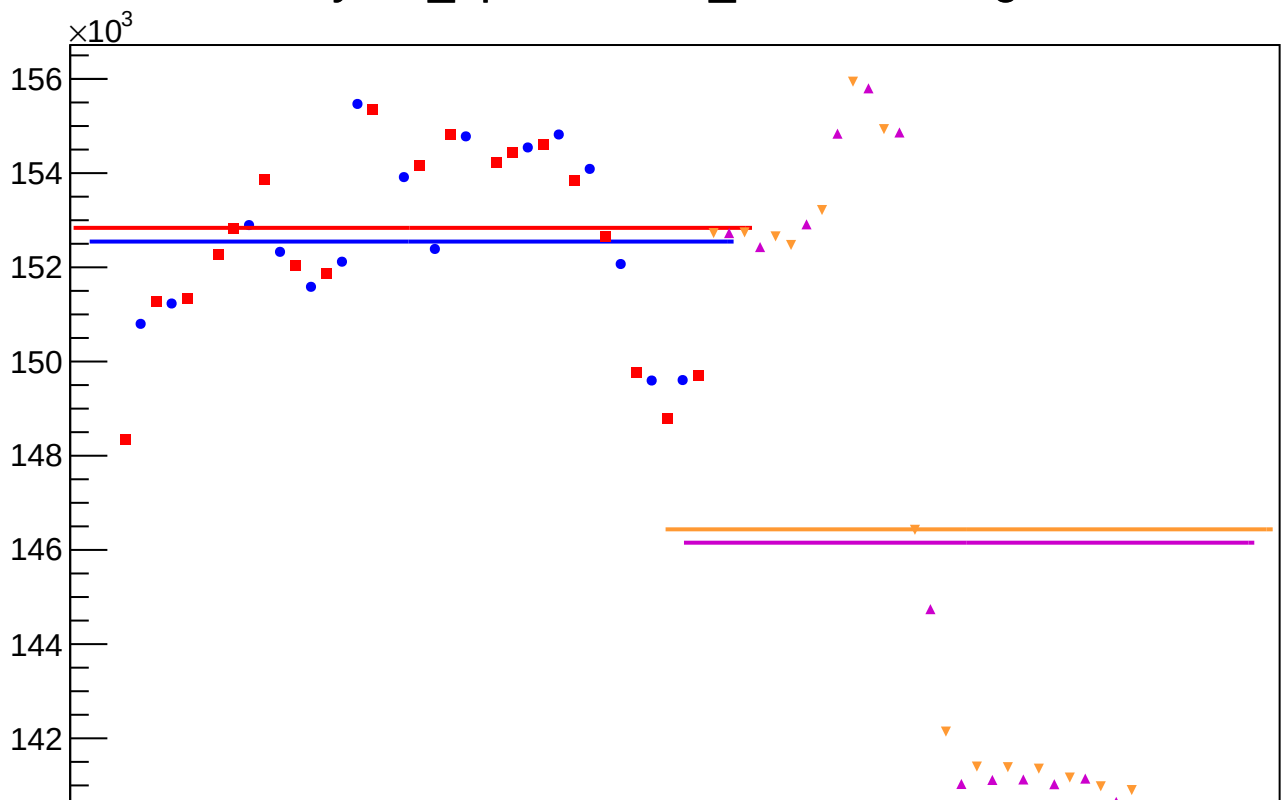
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 192.456+/-0.038 χ^2/NDF:361382.9/15

+ sign 164.468+/-0.026 χ^2/NDF: 2898476.0/33

All: 161.798+/-0.019 χ^2/NDF: 6358213.0/68

- sign 159.167+/-0.026 χ^2/NDF: 3439322.0/34



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146437.106+/-0.055 χ^2/NDF:11410697491.8/17

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

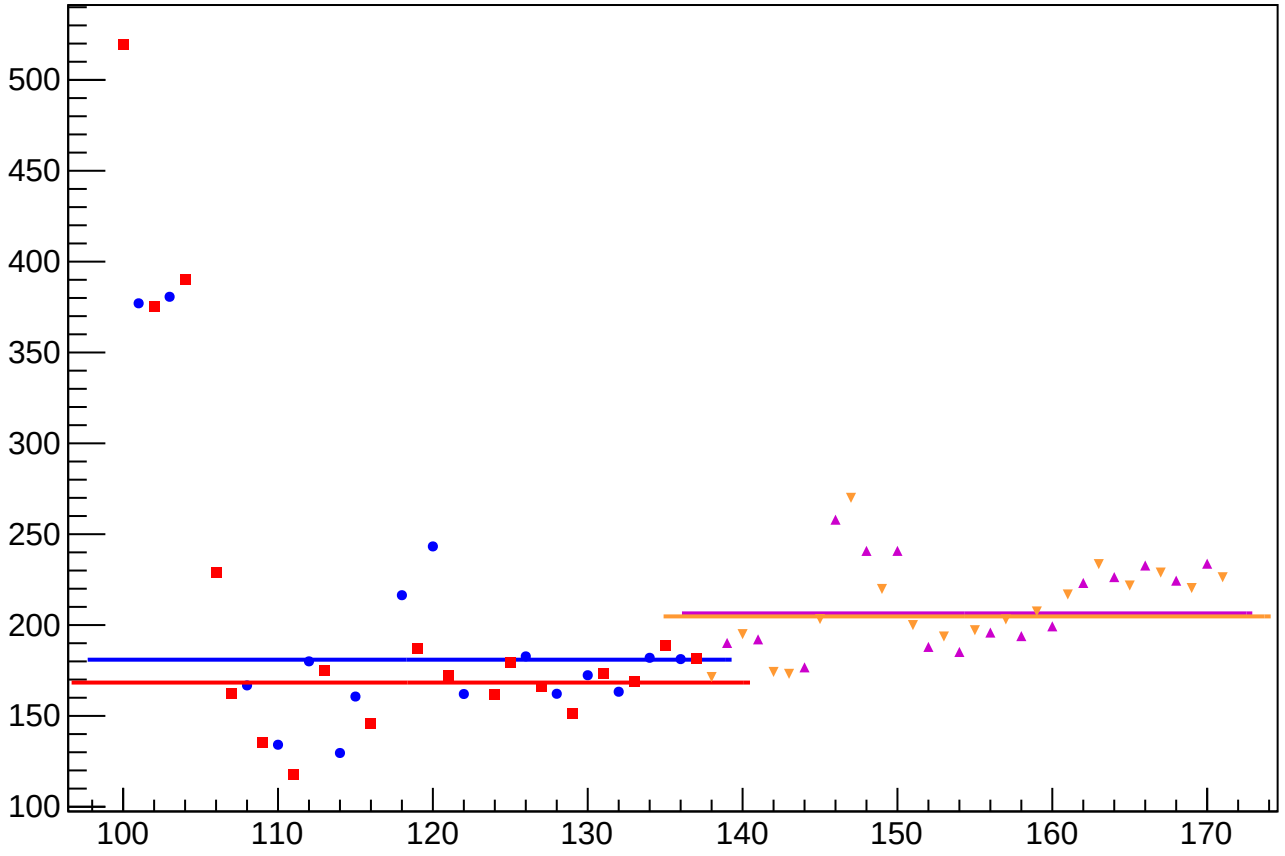
Left In: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

+ sign 148668.602+/-0.044 χ^2/NDF: 16559015527.

All: 148842.619+/-0.031 χ^2/NDF: 342233745

- sign 149014.467+/-0.044 χ^2/NDF: 17633107400.2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 204.759+/-0.039 χ^2/NDF:330908.7/17

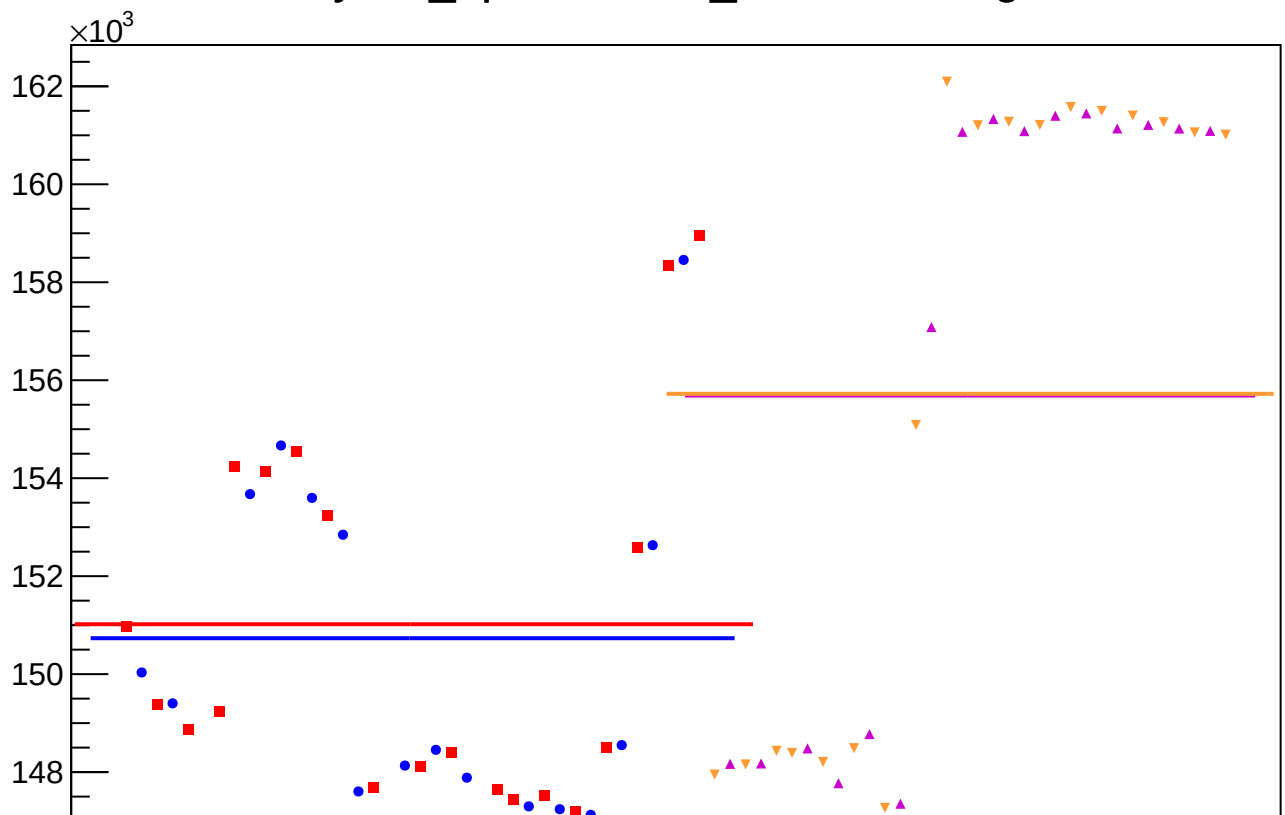
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 206.416+/-0.041 χ^2/NDF:329681.2/15

+ sign 196.059+/-0.031 χ^2/NDF: 1375280.8/33

All: 193.073+/-0.022 χ^2/NDF: 3185531.0/68

- sign 190.123+/-0.031 χ^2/NDF: 1791840.8/34



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155722.308+/-0.053 χ^2/NDF:14130730424.9/17

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

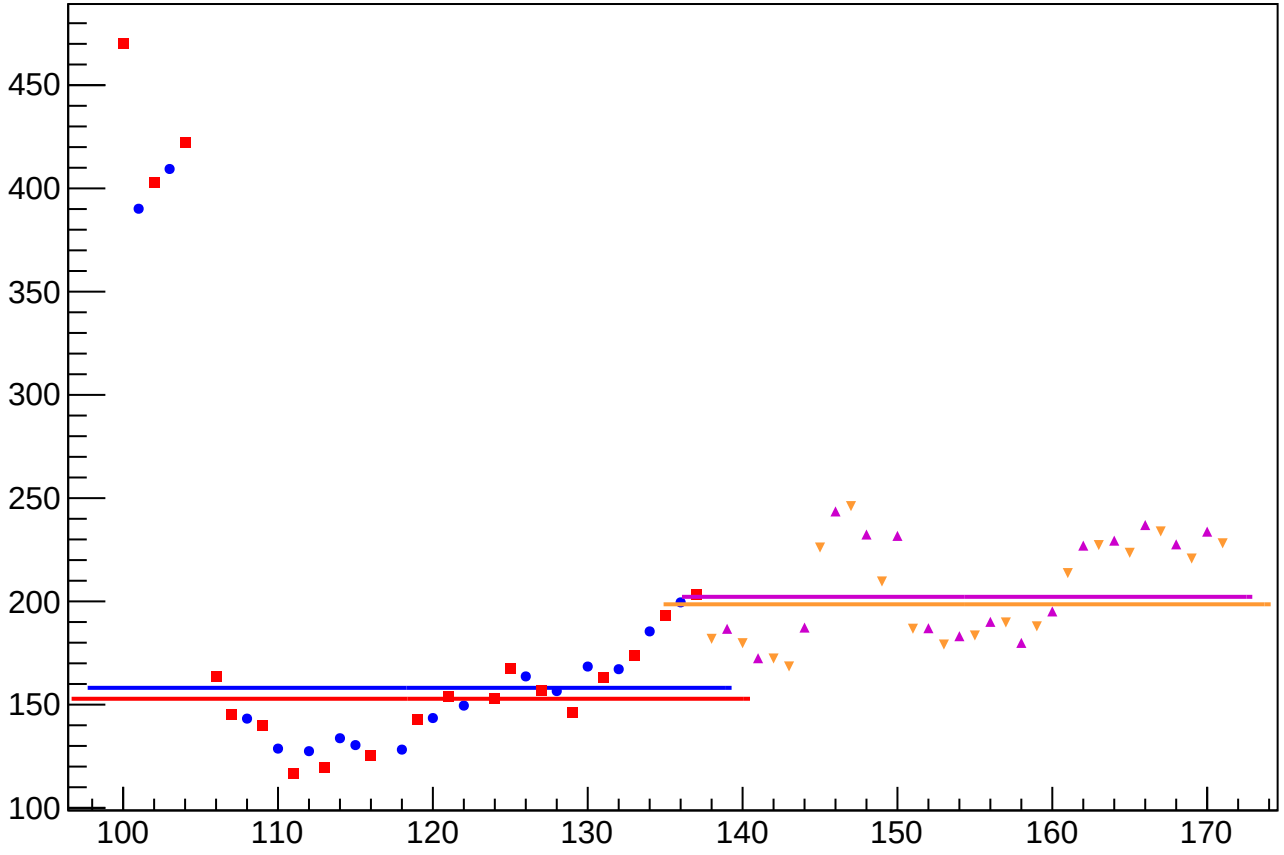
Left In: 155687.409+/-0.056 χ^2/NDF:12214265191.9/15

+ sign 153635.880+/-0.041 χ^2/NDF: 21074864929.0

All: 153568.499+/-0.029 χ^2/NDF: 39792724

- sign 153499.672+/-0.041 χ^2/NDF: 18712312357.8

yield_bpm0i01WS_rms vs Slug



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 198.593+/-0.038 χ^2/NDF:366841.0/17

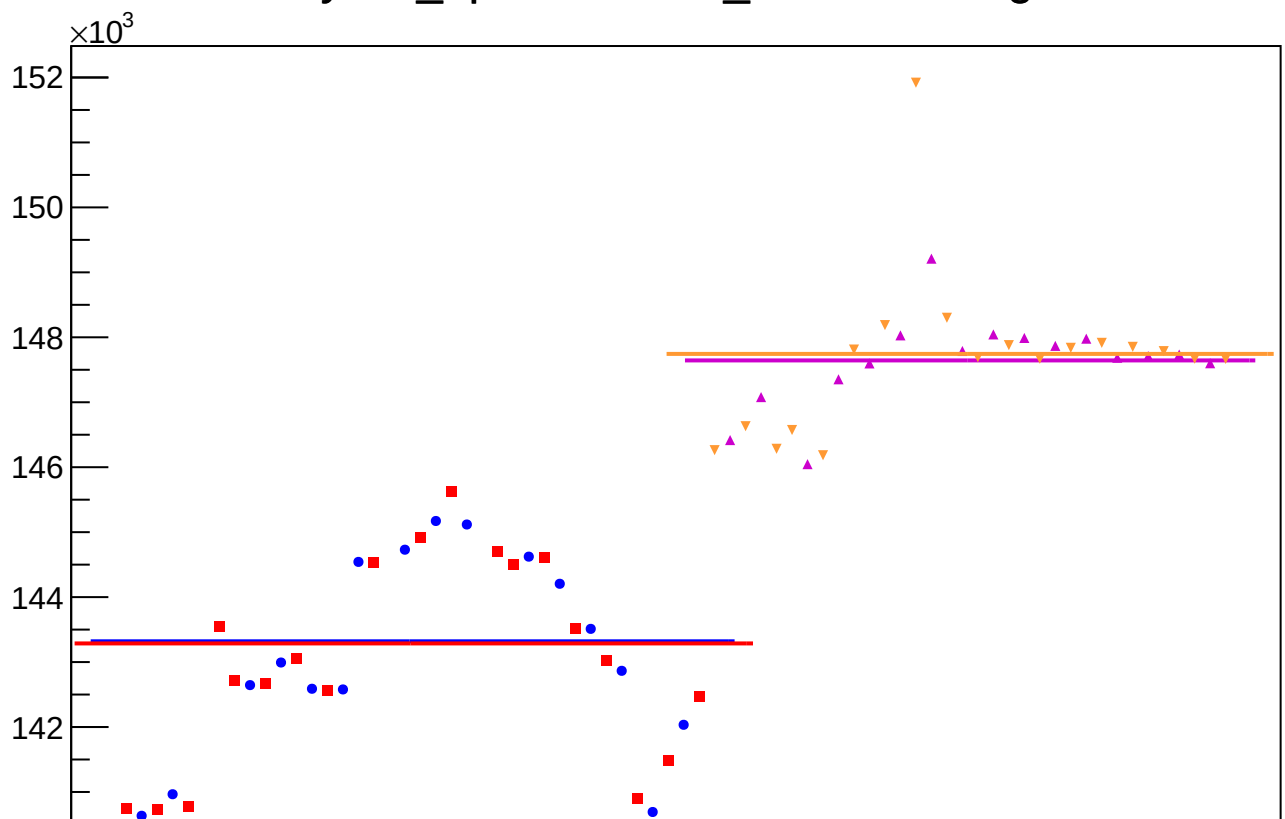
Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 202.210+/-0.040 χ^2/NDF:358826.0/15

+ sign 181.674+/-0.029 χ^2/NDF: 2043886.5/33

All: 180.389+/-0.020 χ^2/NDF: 4389219.8/68

- sign 179.077+/-0.029 χ^2/NDF: 2341299.2/34



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147744.373+/-0.050 χ^2/NDF:670710696.4/17

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

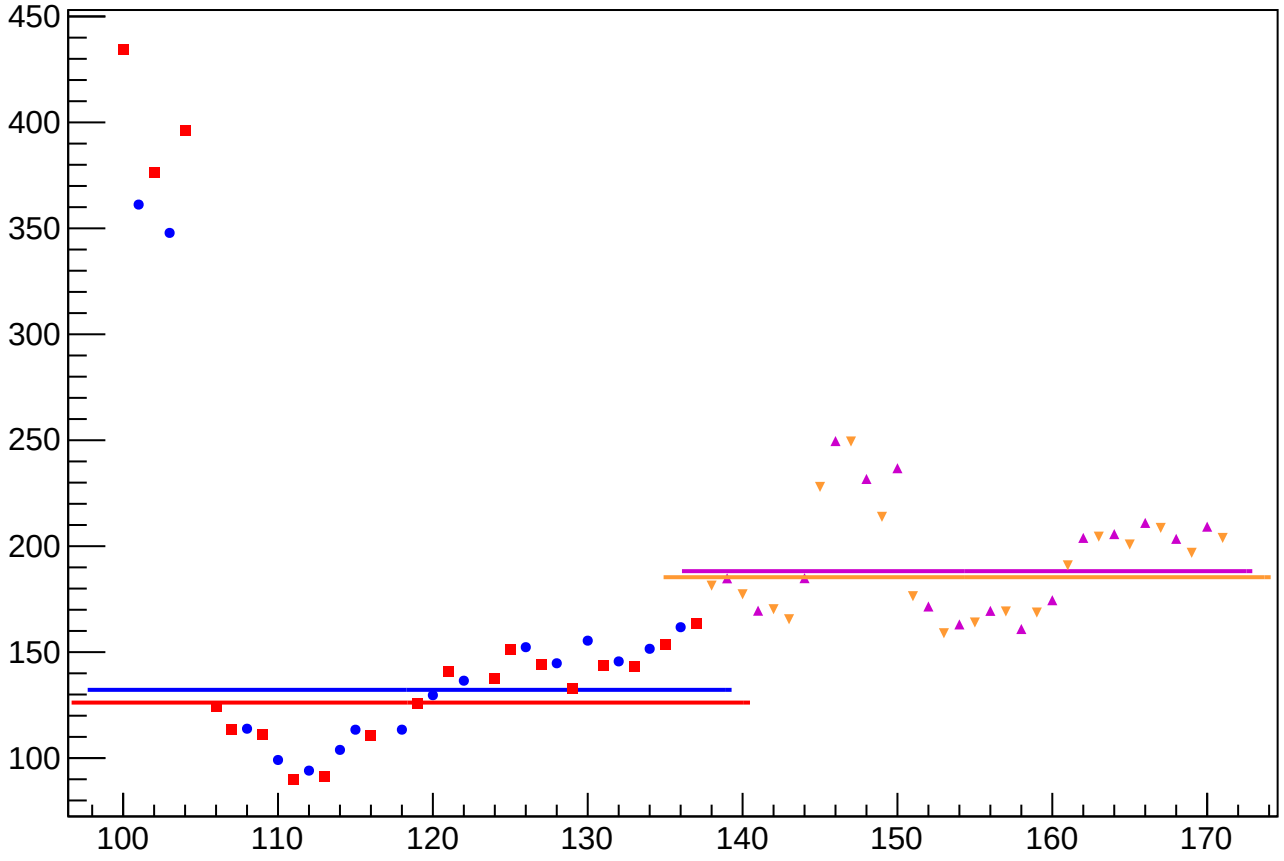
Left In: 147644.078+/-0.053 χ^2/NDF:199474854.2/15

+ sign 145673.386+/-0.036 χ^2/NDF: 4920274840.2

All: 145506.376+/-0.026 χ^2/NDF: 94049724

- sign 145341.272+/-0.036 χ^2/NDF: 4442706931.8/

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 185.363+/-0.035 χ^2/NDF:397035.9/17

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 188.218+/-0.037 χ^2/NDF:454755.1/15

+ sign 160.482+/-0.026 χ^2/NDF: 2841473.3/33

All: 157.944+/-0.018 χ^2/NDF: 6329001.7/68

- sign 155.436+/-0.026 χ^2/NDF: 3468143.2/34

Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119958.810+/-0.049 χ^2/NDF:1805163849.9/17

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

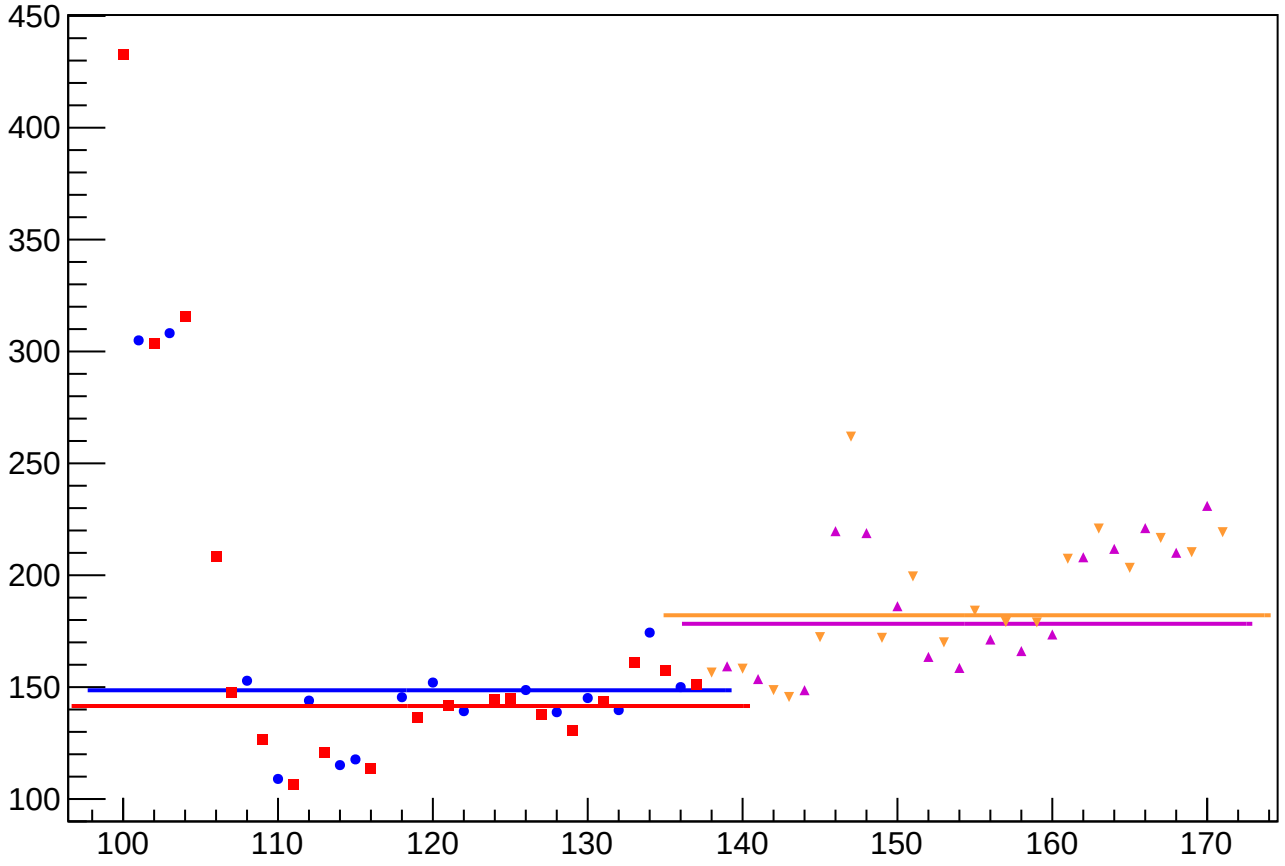
Left In: 119859.759+/-0.050 χ^2/NDF:1182806064.4/15

+ sign 123194.028+/-0.038 χ^2/NDF: 12150236238.

All: 123321.535+/-0.026 χ^2/NDF: 24668638

- sign 123444.341+/-0.037 χ^2/NDF: 12496007693.4

yield_bpm0l01WS_rms vs Slug



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 182.118+/-0.035 χ^2/NDF:604252.5/17

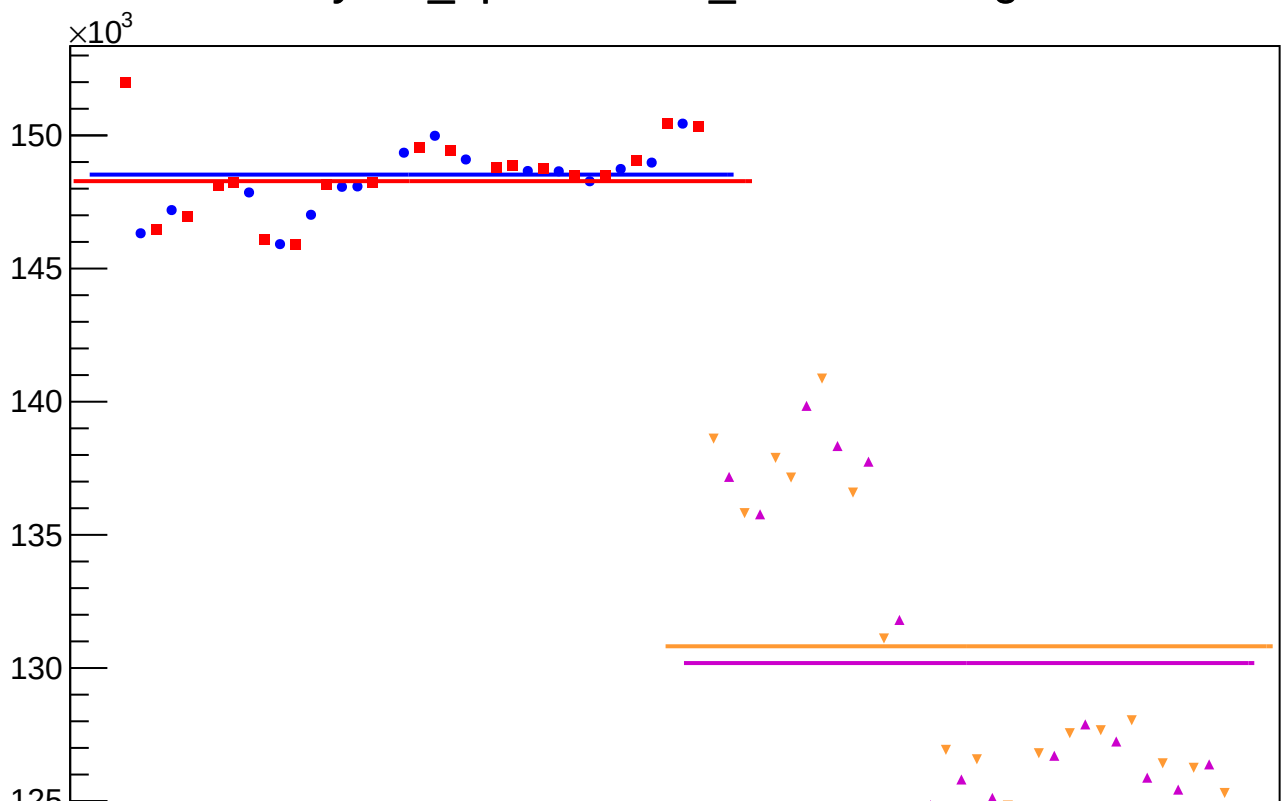
Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 178.301+/-0.035 χ^2/NDF:538841.0/15

+ sign 168.116+/-0.027 χ^2/NDF: 1815559.7/33

All: 164.786+/-0.019 χ^2/NDF: 3873886.7/68

- sign 161.578+/-0.026 χ^2/NDF: 2027767.9/34



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130816.284+/-0.072 χ^2/NDF:5740450121.6/17

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

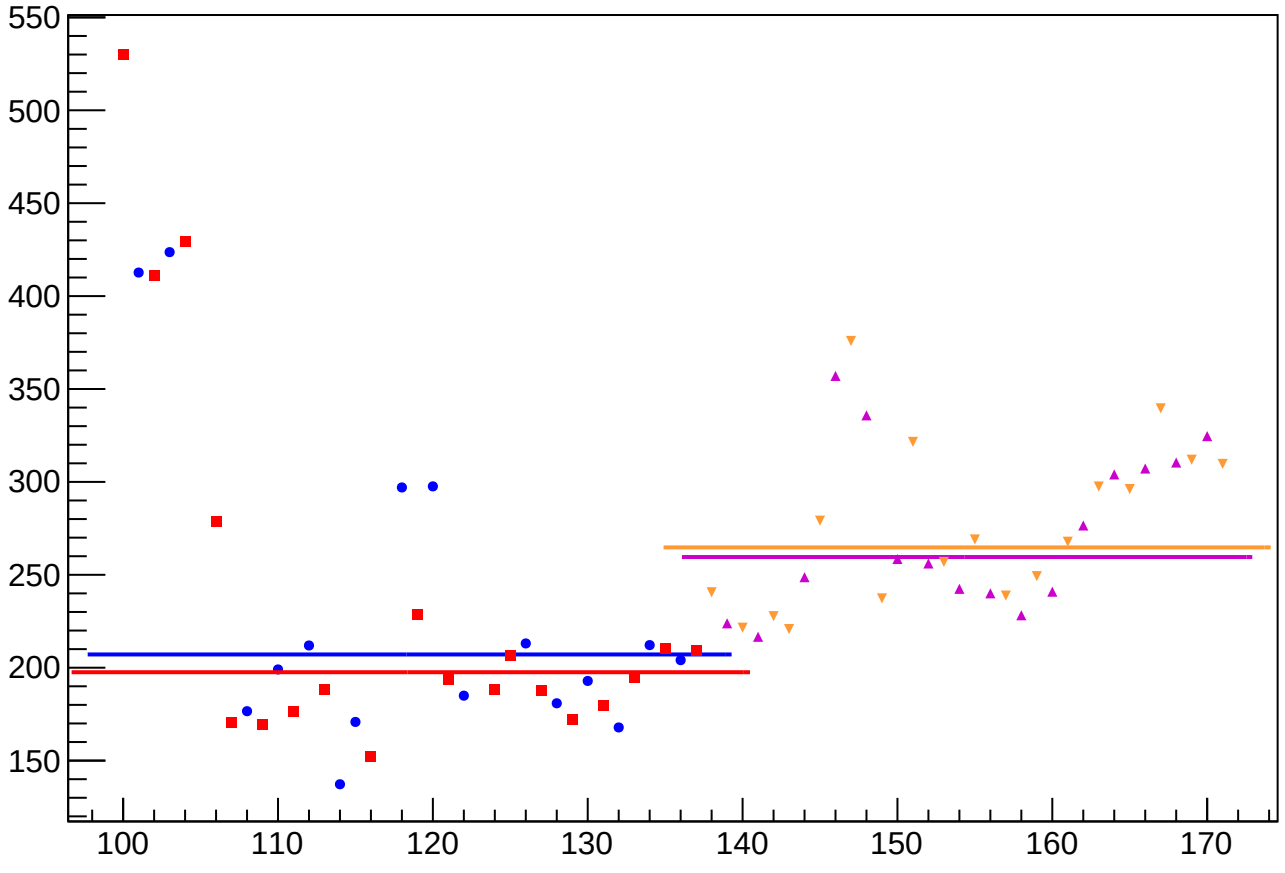
Left In: 130186.181+/-0.073 χ^2/NDF:5891870222.1/15

+ sign 138478.962+/-0.054 χ^2/NDF: 32457191538.

All: 138627.506+/-0.038 χ^2/NDF: 67990476

- sign 138769.852+/-0.053 χ^2/NDF: 35518409941.

yield_bpm0l02WS_rms vs Slug



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 264.750+/-0.051 χ^2/NDF:593320.0/17

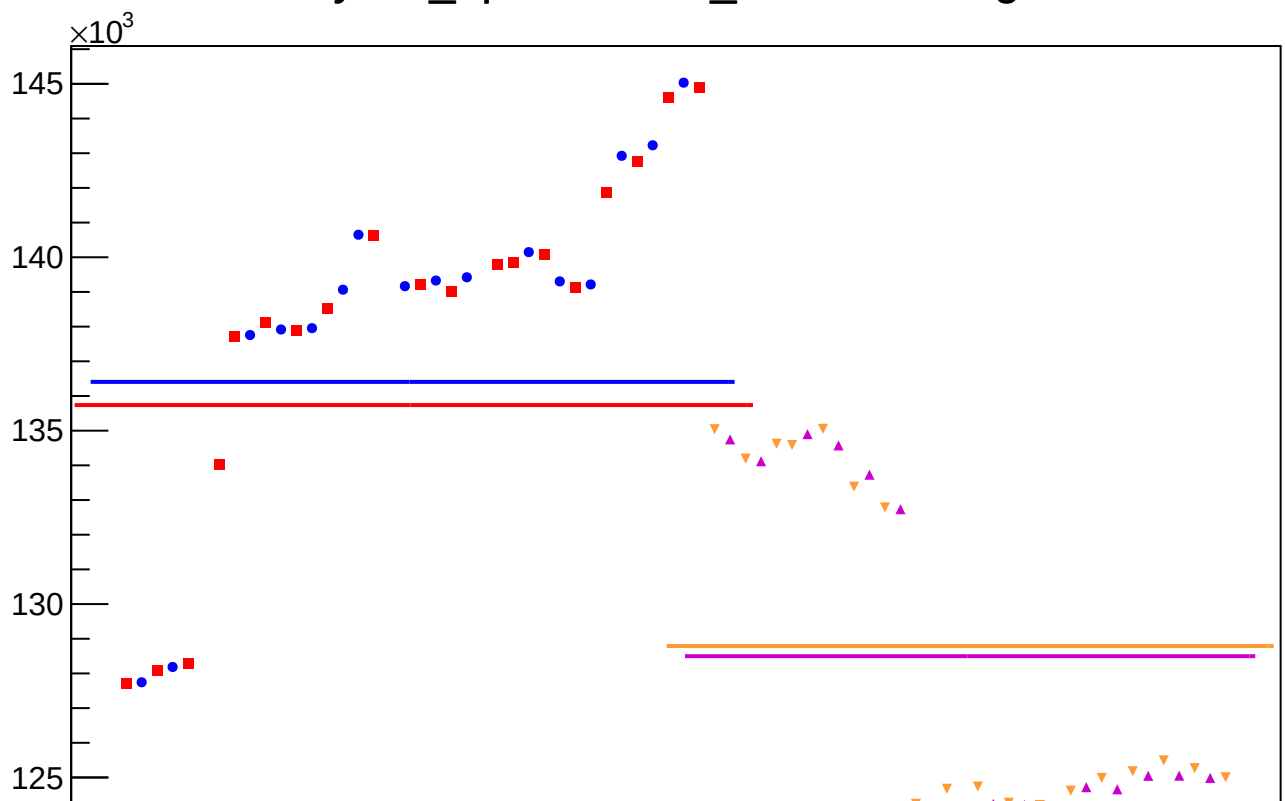
Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 259.571+/-0.051 χ^2/NDF:560329.1/15

+ sign 239.824+/-0.038 χ^2/NDF: 2126545.4/33

All: 234.890+/-0.027 χ^2/NDF: 4312336.6/68

- sign 230.161+/-0.037 χ^2/NDF: 2152968.6/34



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128789.359+/-0.157 χ^2/NDF:917357439.2/17

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

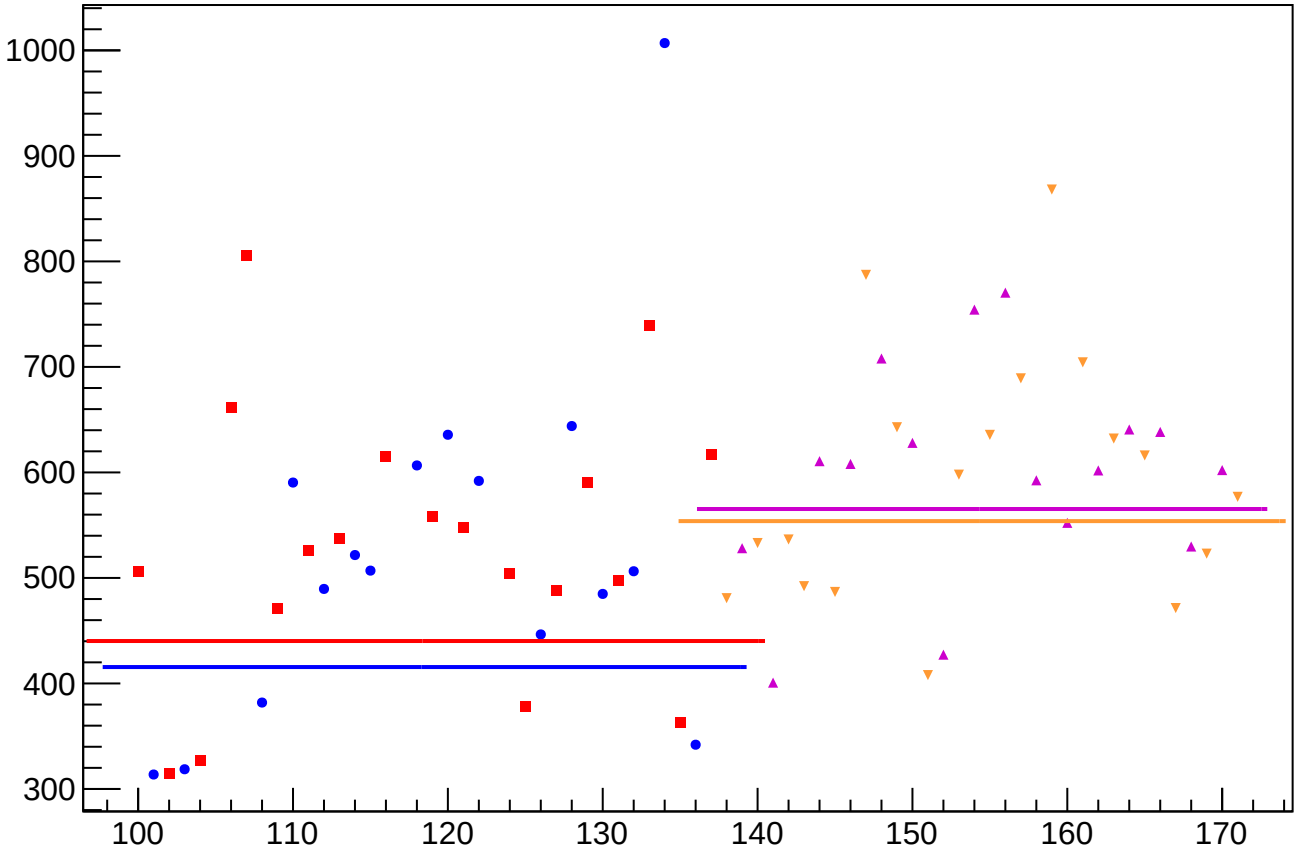
Left In: 128497.517+/-0.170 χ^2/NDF:809196431.2/15

+ sign 132333.668+/-0.115 χ^2/NDF: 3586287375.4

All: 132166.010+/-0.084 χ^2/NDF: 64469904

- sign 131975.886+/-0.122 χ^2/NDF: 2856166439.6/

yield_bpm0l03WS_rms vs Slug



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 553.852+/-0.111 χ^2/NDF:857284.4/17

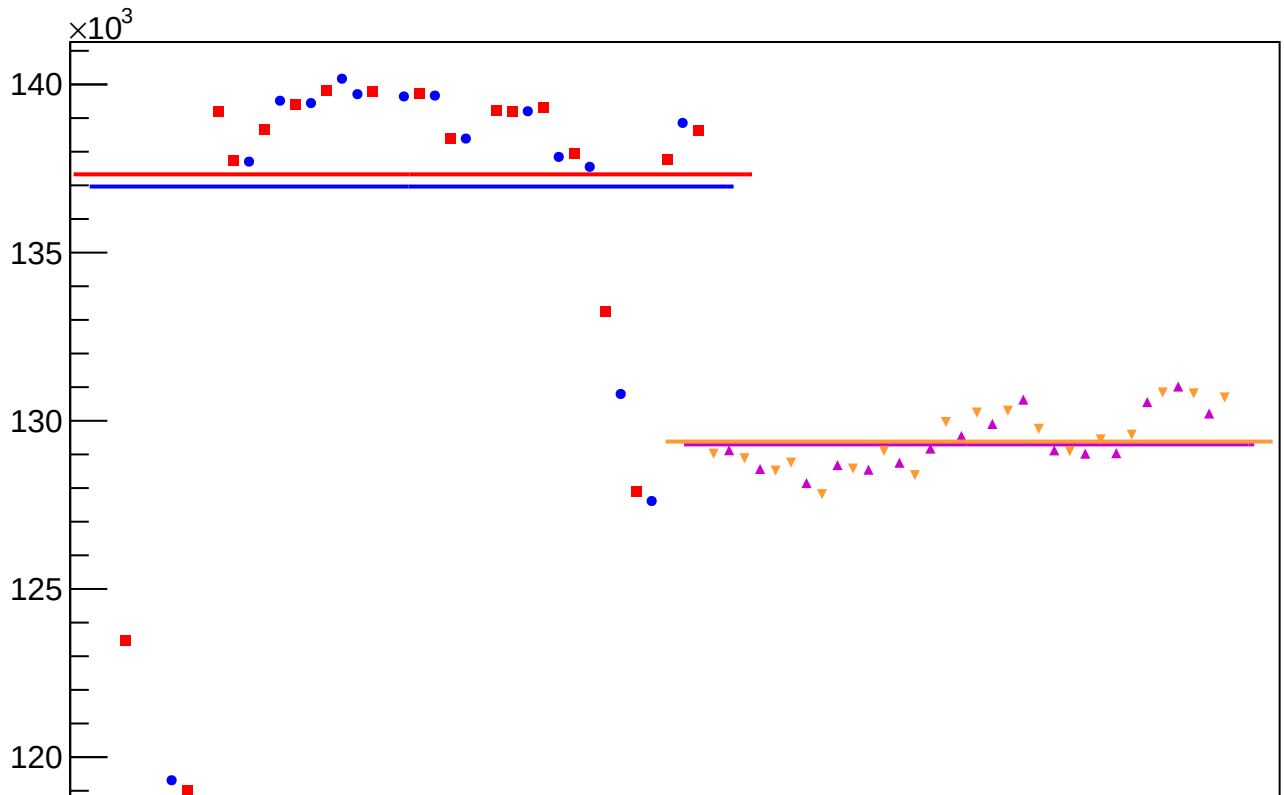
Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 565.332+/-0.120 χ^2/NDF:726331.7/15

+ sign 489.501+/-0.081 χ^2/NDF: 2608728.0/33

All: 496.872+/-0.059 χ^2/NDF: 4784573.9/68

- sign 505.230+/-0.087 χ^2/NDF: 2158311.7/34



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129382.734+/-0.052 χ^2/NDF:266625380.6/17

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

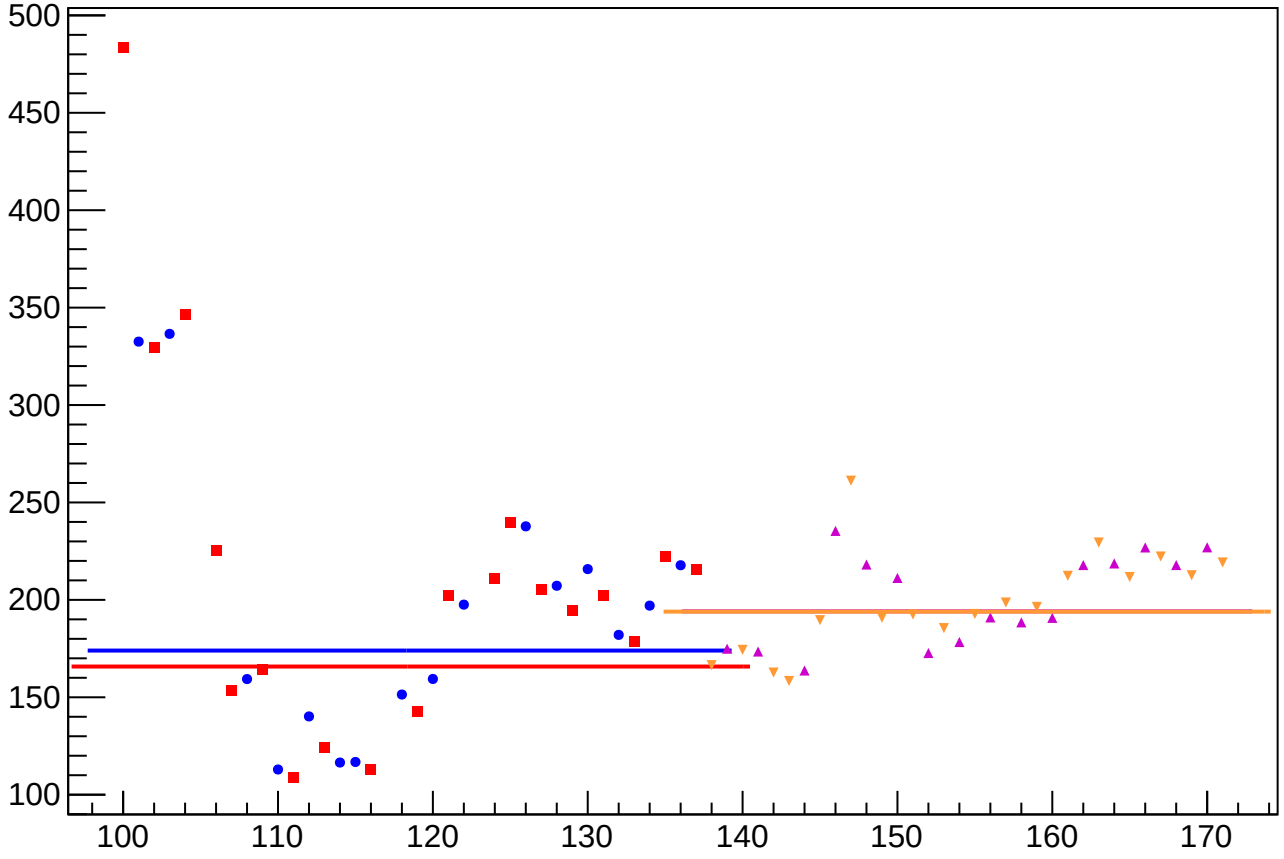
Left In: 129297.835+/-0.054 χ^2/NDF:222101968.6/15

+ sign 132113.371+/-0.042 χ^2/NDF: 13640535340.

All: 132336.695+/-0.030 χ^2/NDF: 28545521

- sign 132559.866+/-0.042 χ^2/NDF: 14848038475.

yield_bpm0l04WS_rms vs Slug



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 193.964+/-0.037 χ^2/NDF:407534.9/17

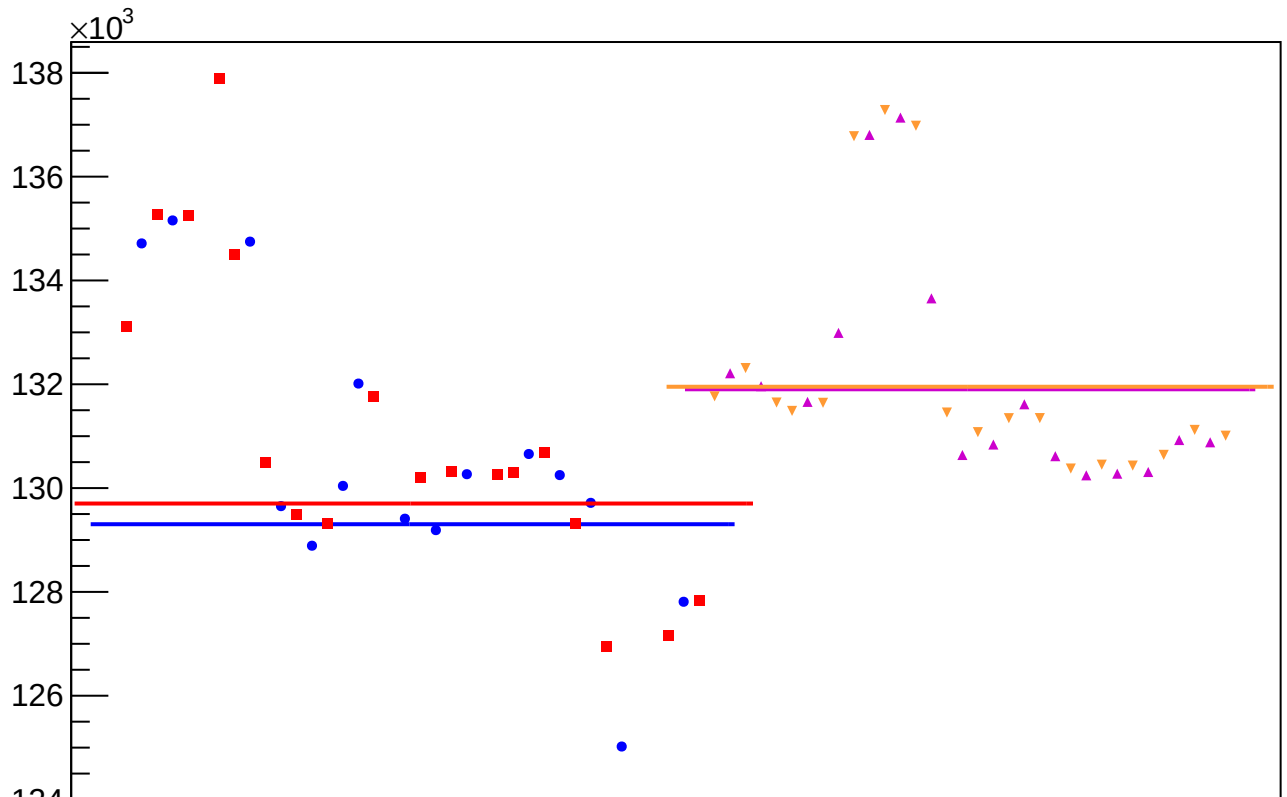
Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 194.097+/-0.038 χ^2/NDF:344262.1/15

+ sign 186.768+/-0.030 χ^2/NDF: 1701130.1/33

All: 184.680+/-0.021 χ^2/NDF: 3709586.9/68

- sign 182.594+/-0.030 χ^2/NDF: 1998502.3/34



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131952.422+/-0.052 χ^2/NDF:1327571017.2/17

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

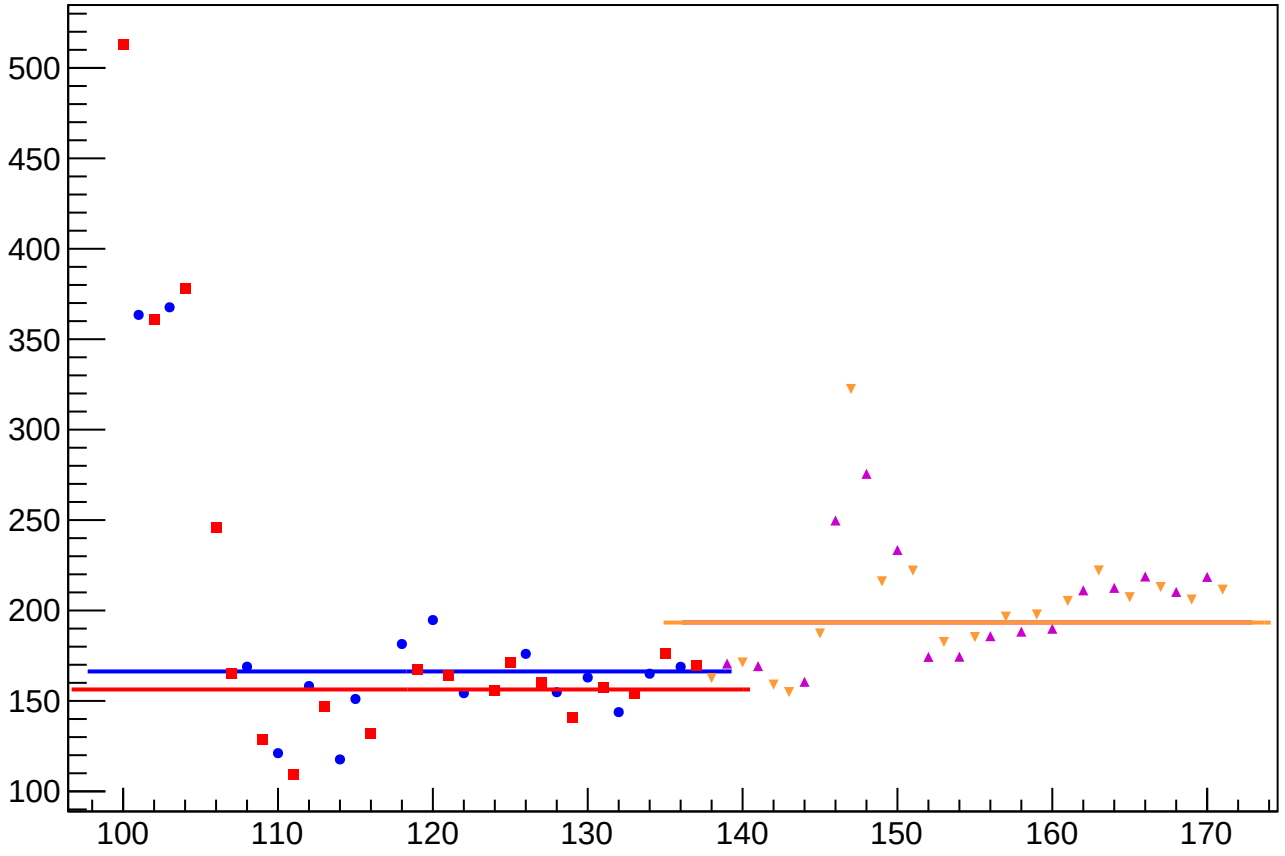
Left In: 131903.529+/-0.054 χ^2/NDF:1065074753.4/15

+ sign 130931.746+/-0.041 χ^2/NDF: 3961569470.5/

All: 130935.622+/-0.029 χ^2/NDF: 7523141

- sign 130939.428+/-0.041 χ^2/NDF: 3561554249.8/

yield_bpm0l05WS_rms vs Slug



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 193.339+/-0.037 χ^2/NDF:605668.0/17

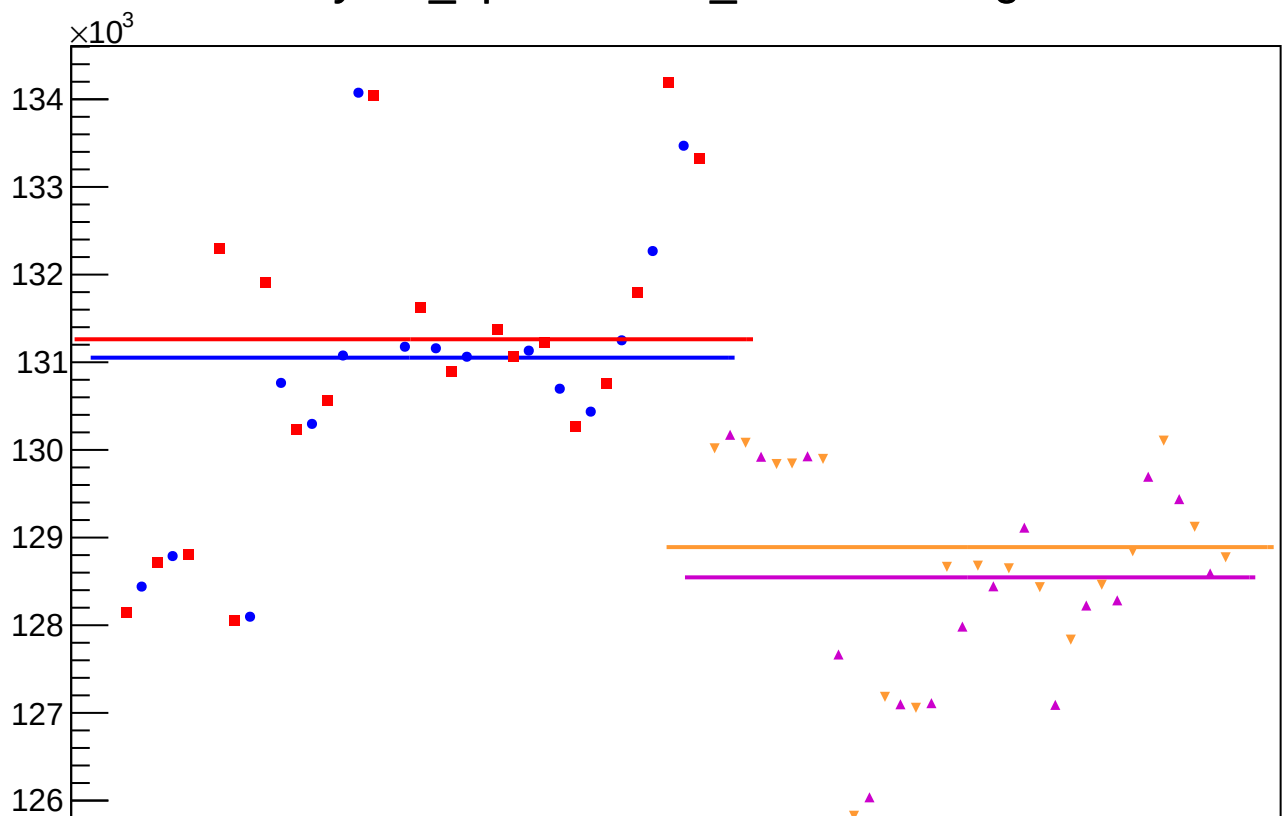
Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 193.401+/-0.038 χ^2/NDF:536414.4/15

+ sign 182.920+/-0.029 χ^2/NDF: 1748647.5/33

All: 180.016+/-0.020 χ^2/NDF: 3885400.8/68

- sign 177.164+/-0.029 χ^2/NDF: 2116964.2/34



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128891.165+/-0.050 χ^2/NDF:463461439.5/17

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

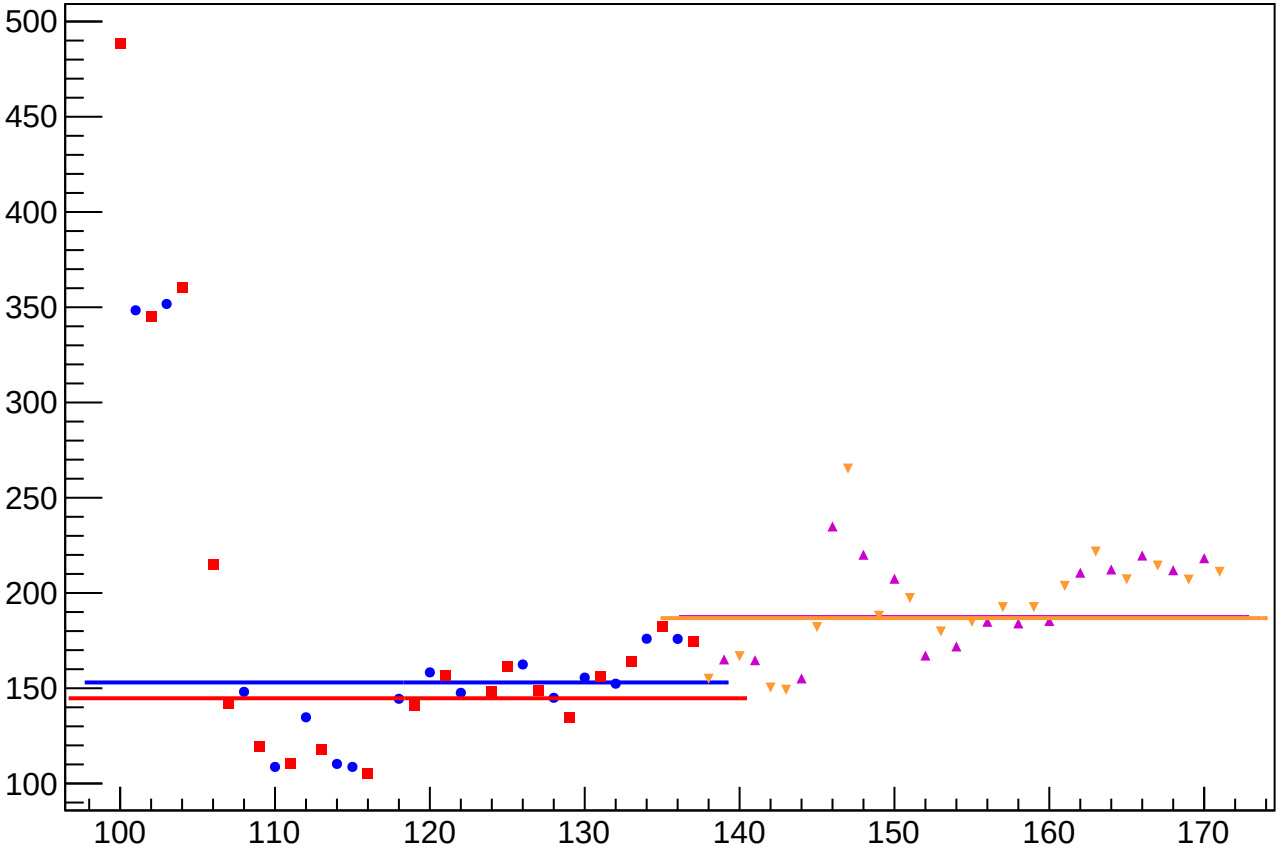
Left In: 128546.168+/-0.052 χ^2/NDF:535953083.7/15

+ sign 129775.735+/-0.039 χ^2/NDF: 1737529895.9

All: 129787.859+/-0.027 χ^2/NDF: 41150403

- sign 129799.797+/-0.038 χ^2/NDF: 2377316617.6/

yield_bpm0l06WS_rms vs Slug



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 186.814+/-0.036 χ^2/NDF:520322.0/17

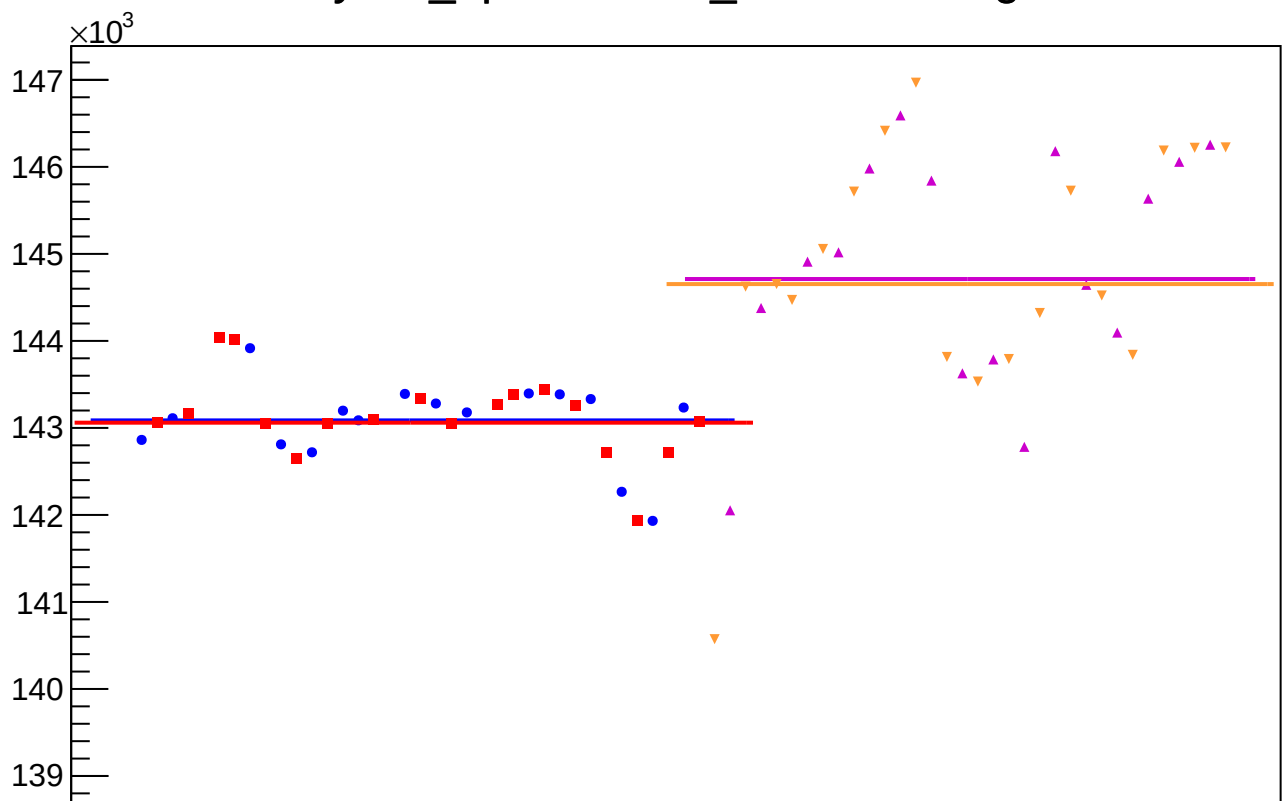
Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 187.371+/-0.037 χ^2/NDF:418916.7/15

+ sign 172.992+/-0.027 χ^2/NDF: 1946218.5/33

All: 170.321+/-0.019 χ^2/NDF: 4257195.4/68

- sign 167.690+/-0.027 χ^2/NDF: 2292155.4/34



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144653.090+/-0.058 χ^2/NDF:720139976.0/17

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

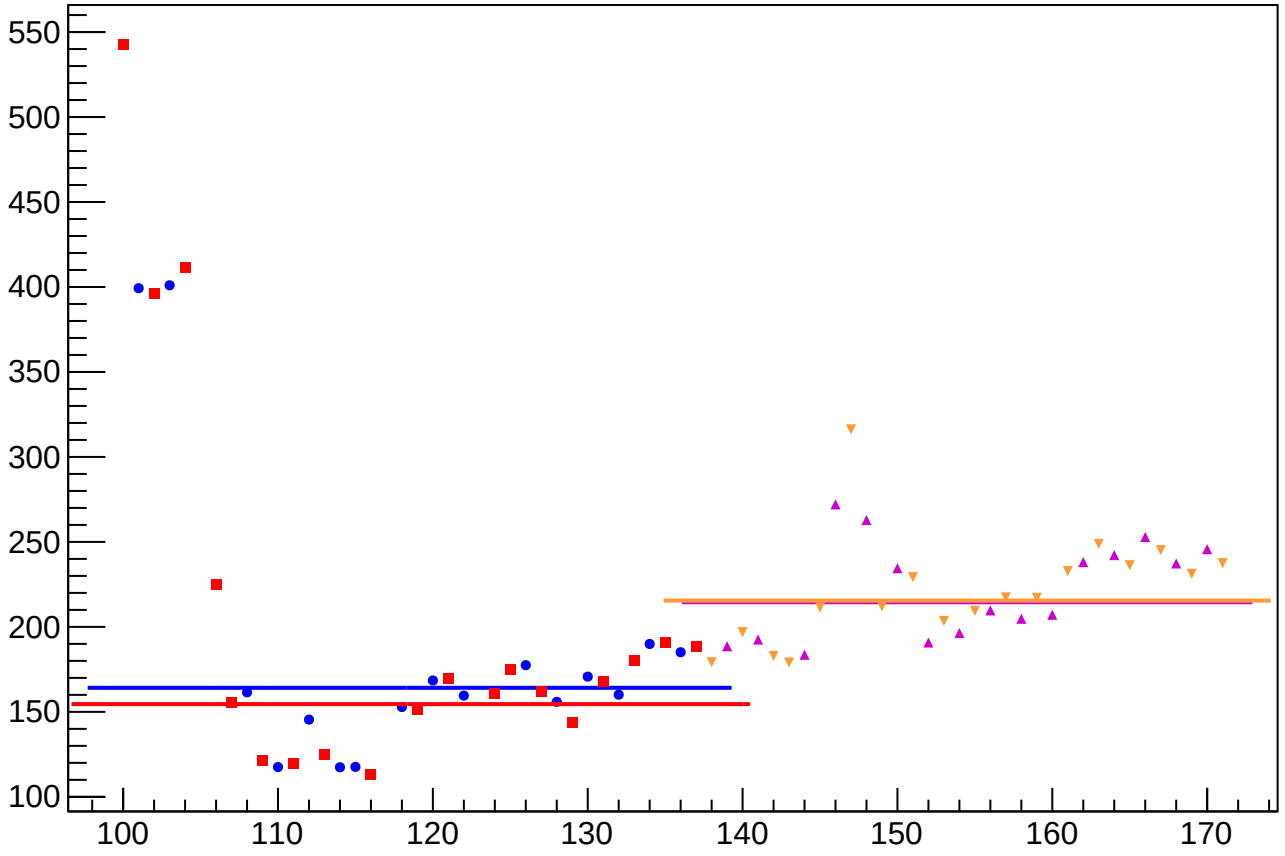
Left In: 144711.278+/-0.060 χ^2/NDF:506739466.4/15

+ sign 143956.677+/-0.043 χ^2/NDF: 1088707295.6

All: 143924.676+/-0.030 χ^2/NDF: 20222465

- sign 143893.713+/-0.043 χ^2/NDF: 932469288.9/3

yield_bpm0l07WS_rms vs Slug



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 215.465+/-0.041 χ^2/NDF:440804.1/17

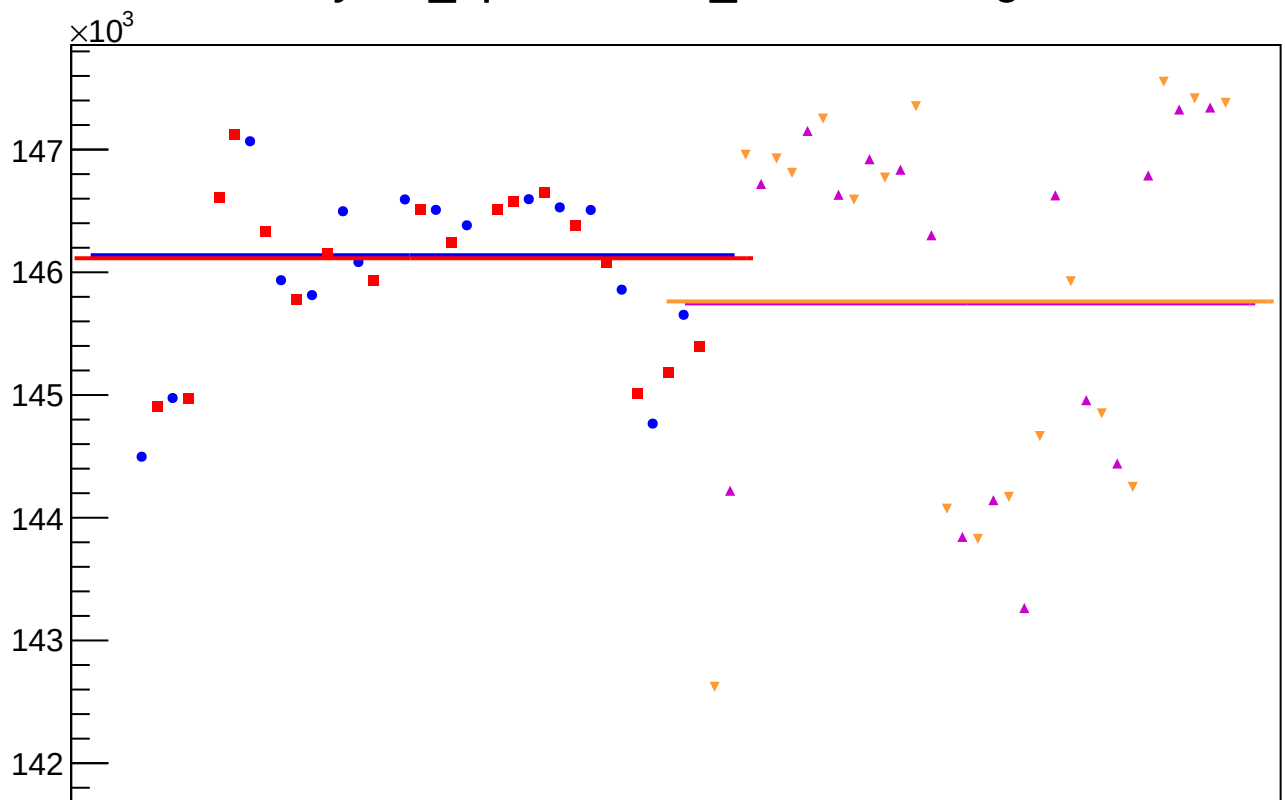
Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 214.482+/-0.042 χ^2/NDF:395955.1/15

+ sign 192.661+/-0.031 χ^2/NDF: 2260726.4/33

All: 188.670+/-0.022 χ^2/NDF: 5042227.9/68

- sign 184.808+/-0.030 χ^2/NDF: 2748212.9/34



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145762.552+/-0.058 χ^2/NDF:755610893.3/17

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

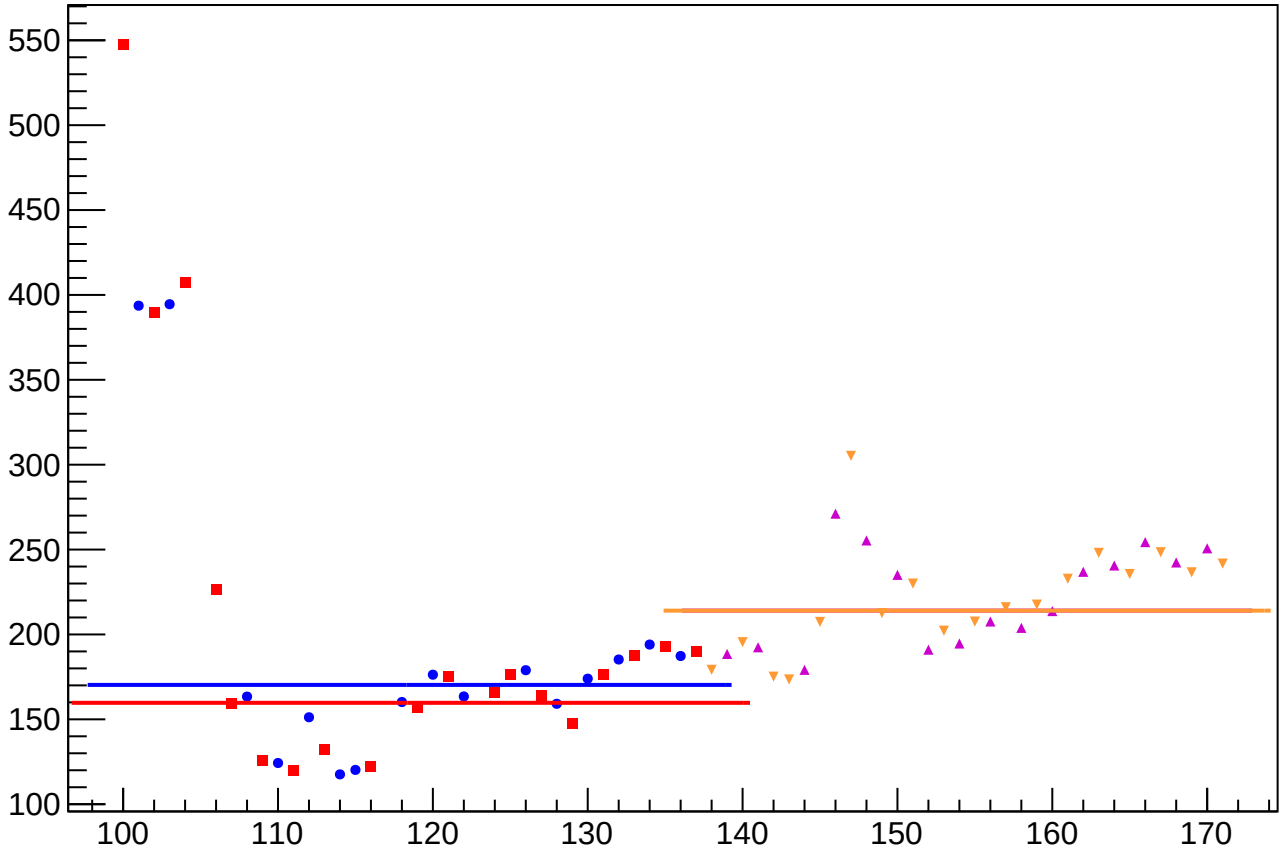
Left In: 145746.583+/-0.060 χ^2/NDF:560354790.1/15

+ sign 145922.317+/-0.044 χ^2/NDF: 845324143.7/3

All: 145922.695+/-0.031 χ^2/NDF: 14968178

- sign 145923.061+/-0.043 χ^2/NDF: 651493583.0/3

yield_bpm0l08WS_rms vs Slug



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 214.023+/-0.041 χ^2/NDF:481232.8/17

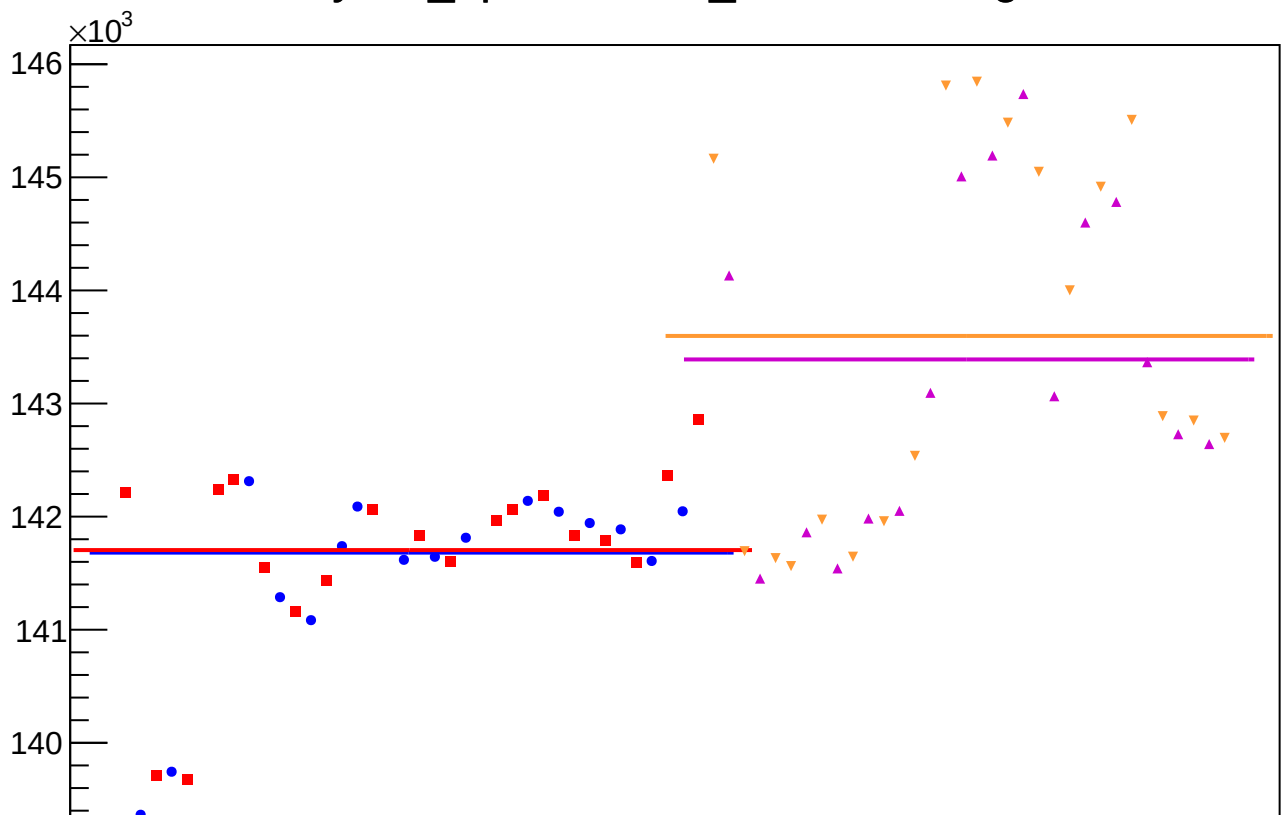
Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 214.048+/-0.042 χ^2/NDF:415655.2/15

+ sign 195.469+/-0.031 χ^2/NDF: 2024121.2/33

All: 191.676+/-0.022 χ^2/NDF: 4547166.5/68

- sign 187.988+/-0.031 χ^2/NDF: 2493576.1/34



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143597.601+/-0.060 χ^2/NDF:723771852.2/17

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

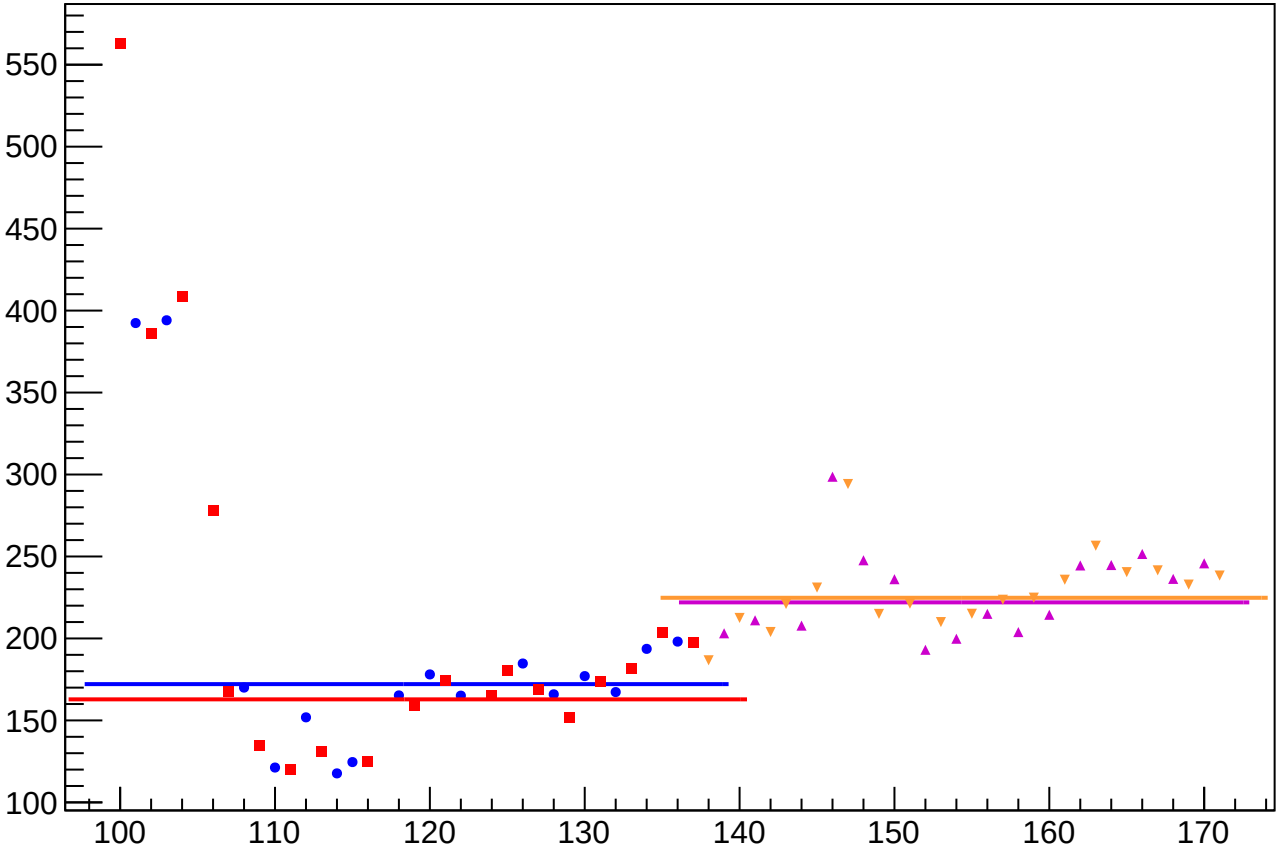
Left In: 143389.784+/-0.062 χ^2/NDF:502390510.6/15

+ sign 142755.959+/-0.045 χ^2/NDF: 1229566566.3

All: 142661.139+/-0.032 χ^2/NDF: 21644937

- sign 142569.418+/-0.045 χ^2/NDF: 926288783.6/3

yield_bpm0l09WS_rms vs Slug



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 224.809+/-0.043 χ^2/NDF:235186.4/17

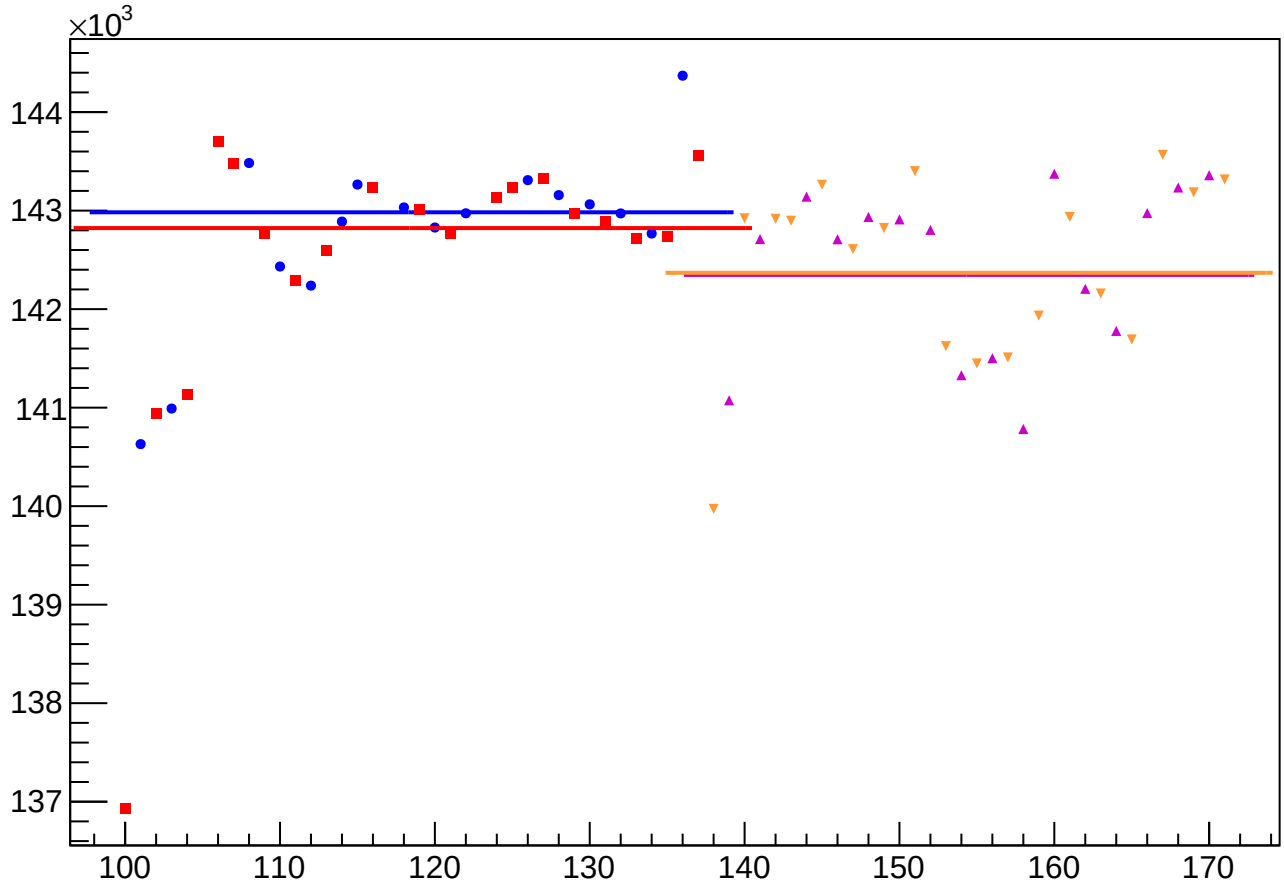
Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 222.003+/-0.044 χ^2/NDF:302151.6/15

+ sign 201.670+/-0.032 χ^2/NDF: 1971223.8/33

All: 197.370+/-0.022 χ^2/NDF: 4497610.7/68

- sign 193.211+/-0.031 χ^2/NDF: 2490863.9/34



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142368.809+/-0.057 χ^2/NDF:299817558.2/17

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

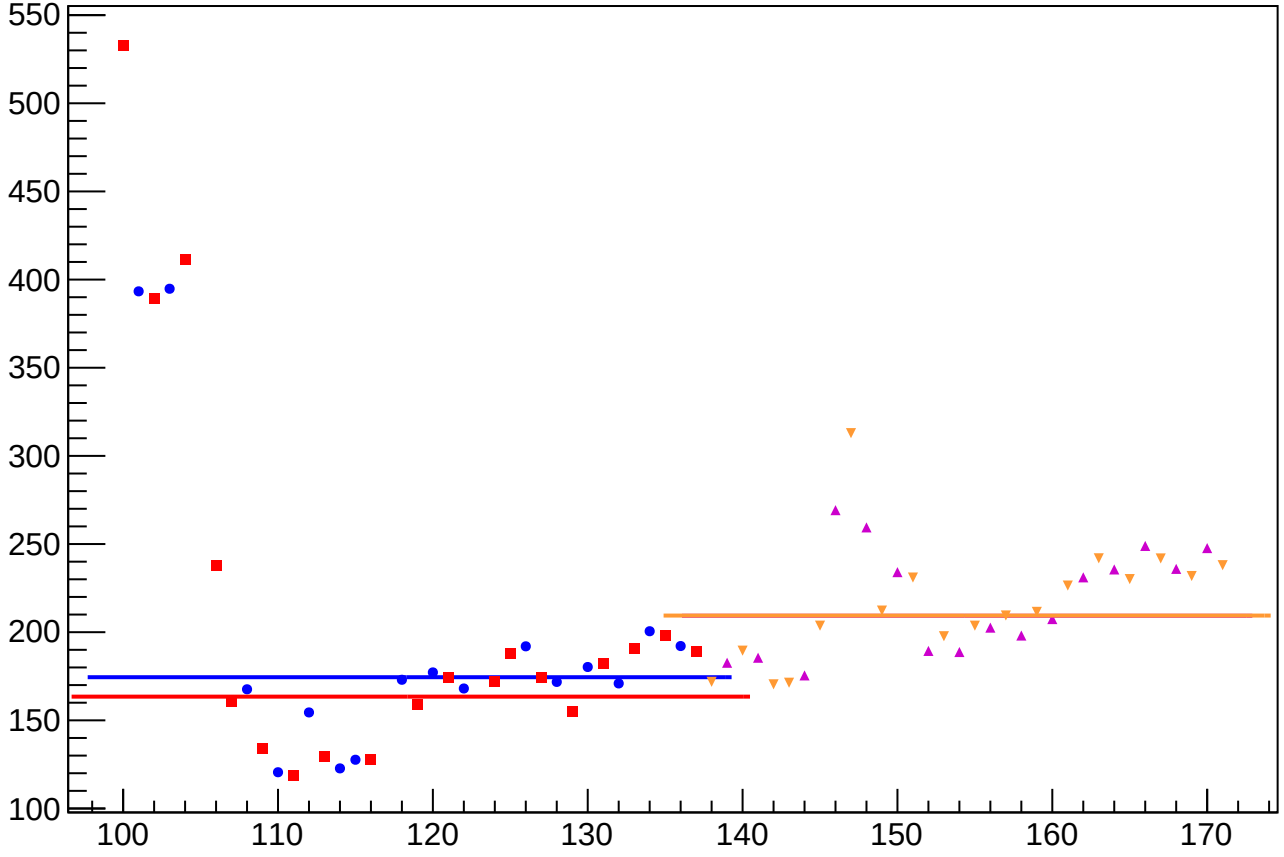
Left In: 142347.327+/-0.059 χ^2/NDF:224025055.3/15

+ sign 142615.341+/-0.044 χ^2/NDF: 454793190.8/3

All: 142589.486+/-0.031 χ^2/NDF: 773057682

- sign 142564.255+/-0.043 χ^2/NDF: 317575545.3/3

yield_bpm0l10WS_rms vs Slug



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 209.430+/-0.040 χ^2/NDF:531071.1/17

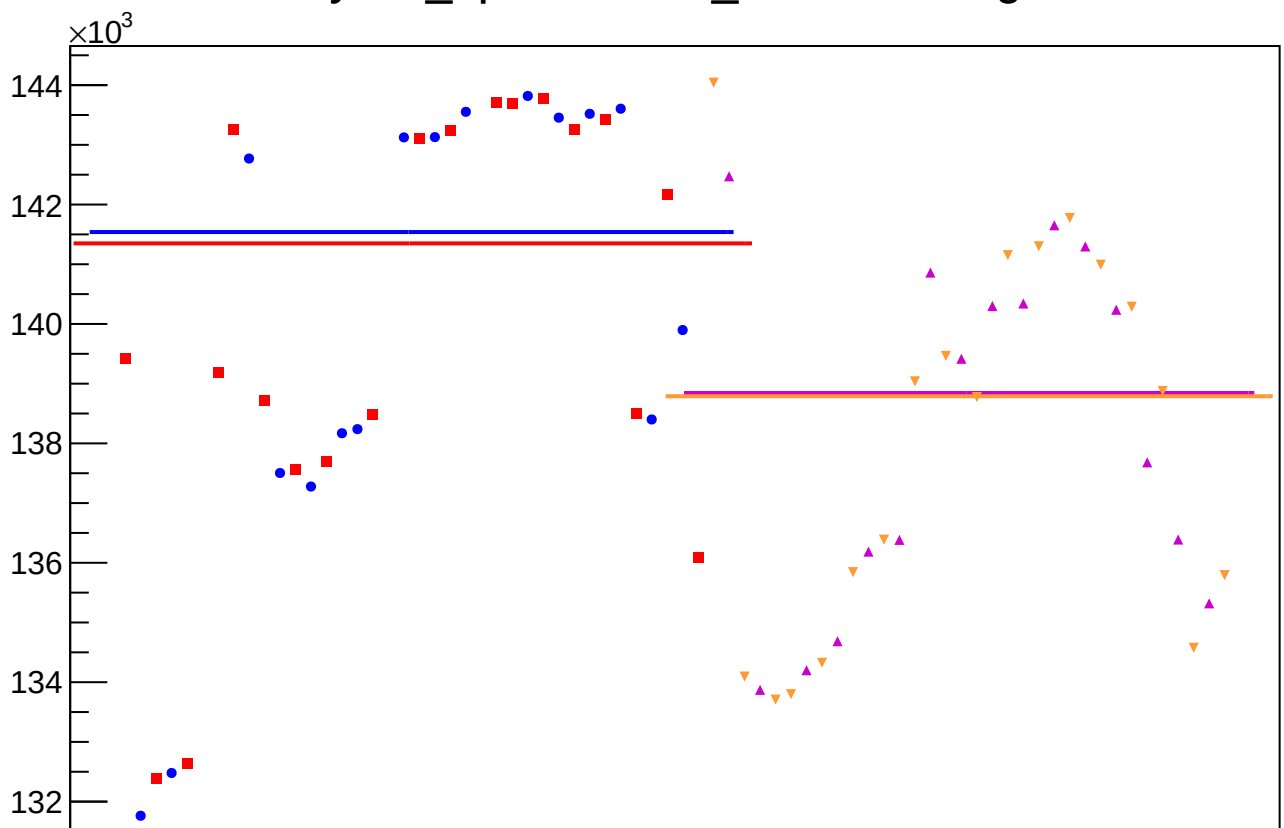
Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 209.307+/-0.041 χ^2/NDF:460887.7/15

+ sign 195.396+/-0.031 χ^2/NDF: 1886614.5/33

All: 191.846+/-0.022 χ^2/NDF: 4213716.0/68

- sign 188.381+/-0.031 χ^2/NDF: 2301118.4/34



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138789.303+/-0.083 χ^2/NDF:1660093282.6/17

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

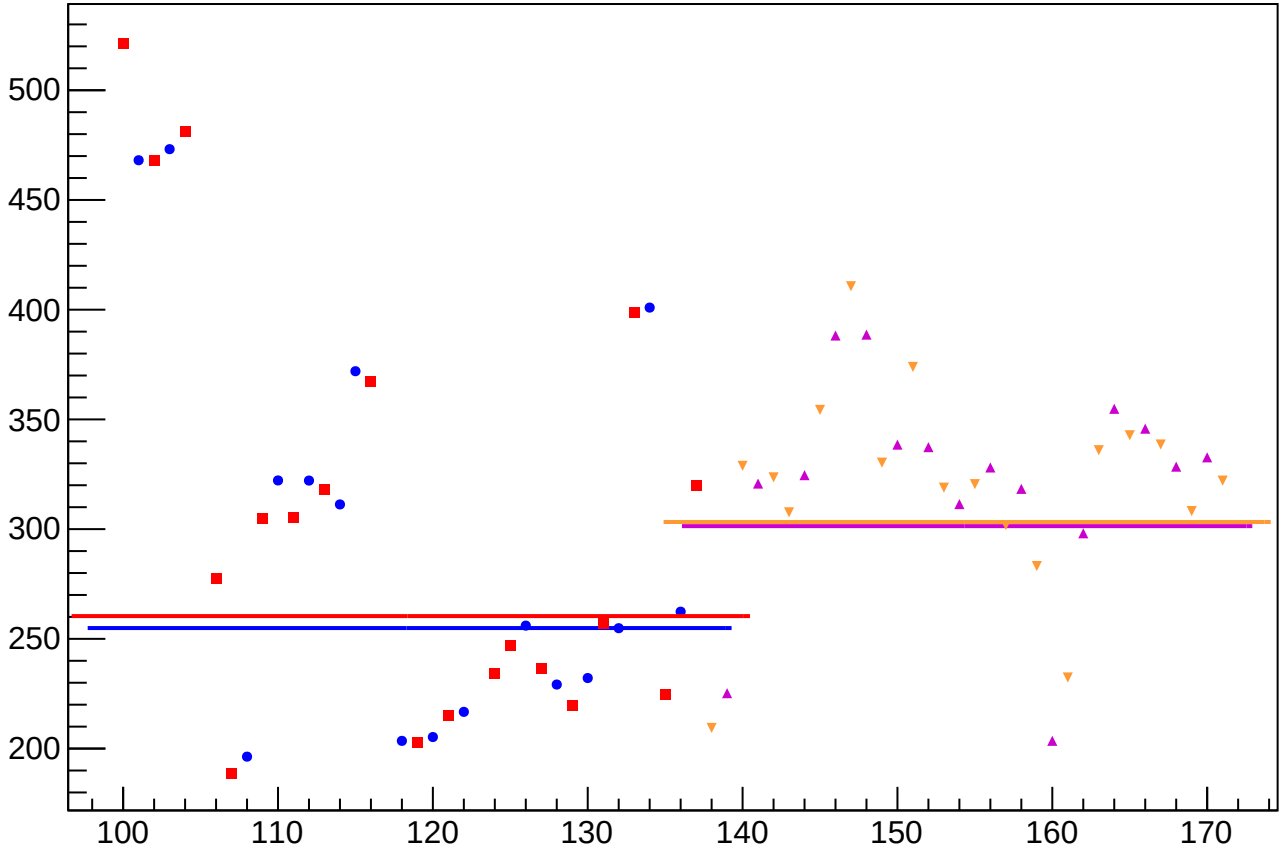
Left In: 138843.753+/-0.086 χ^2/NDF:1198808842.9/15

+ sign 139894.964+/-0.064 χ^2/NDF: 3052858348.4

All: 139893.106+/-0.046 χ^2/NDF: 55361632

- sign 139891.166+/-0.065 χ^2/NDF: 2483303202.5/

yield_bpm0r03WS_rms vs Slug



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 303.263+/-0.058 χ^2/NDF:751589.9/17

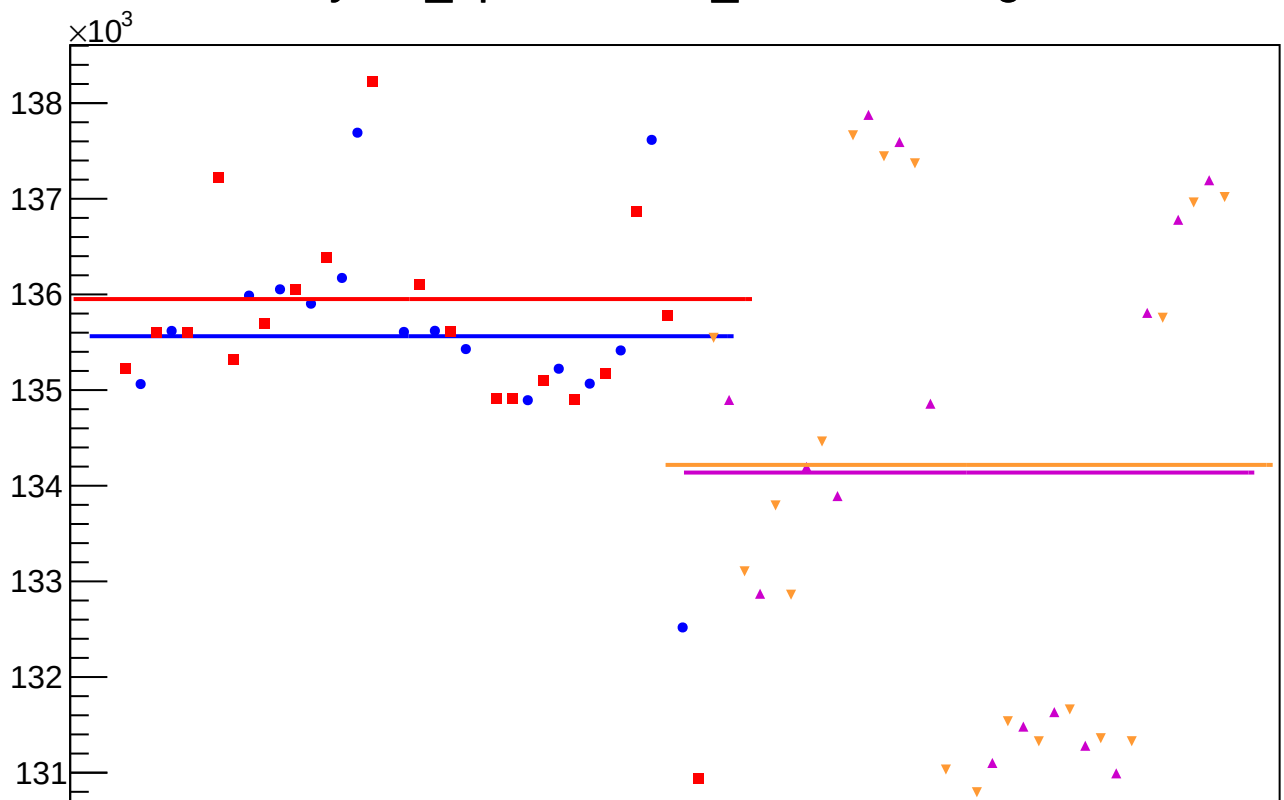
Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 301.361+/-0.061 χ^2/NDF:872297.7/15

+ sign 283.827+/-0.045 χ^2/NDF: 1976566.6/33

All: 284.022+/-0.032 χ^2/NDF: 4033739.1/68

- sign 284.226+/-0.046 χ^2/NDF: 2057134.3/34



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134217.880+/-0.071 χ^2/NDF:981090596.2/17

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

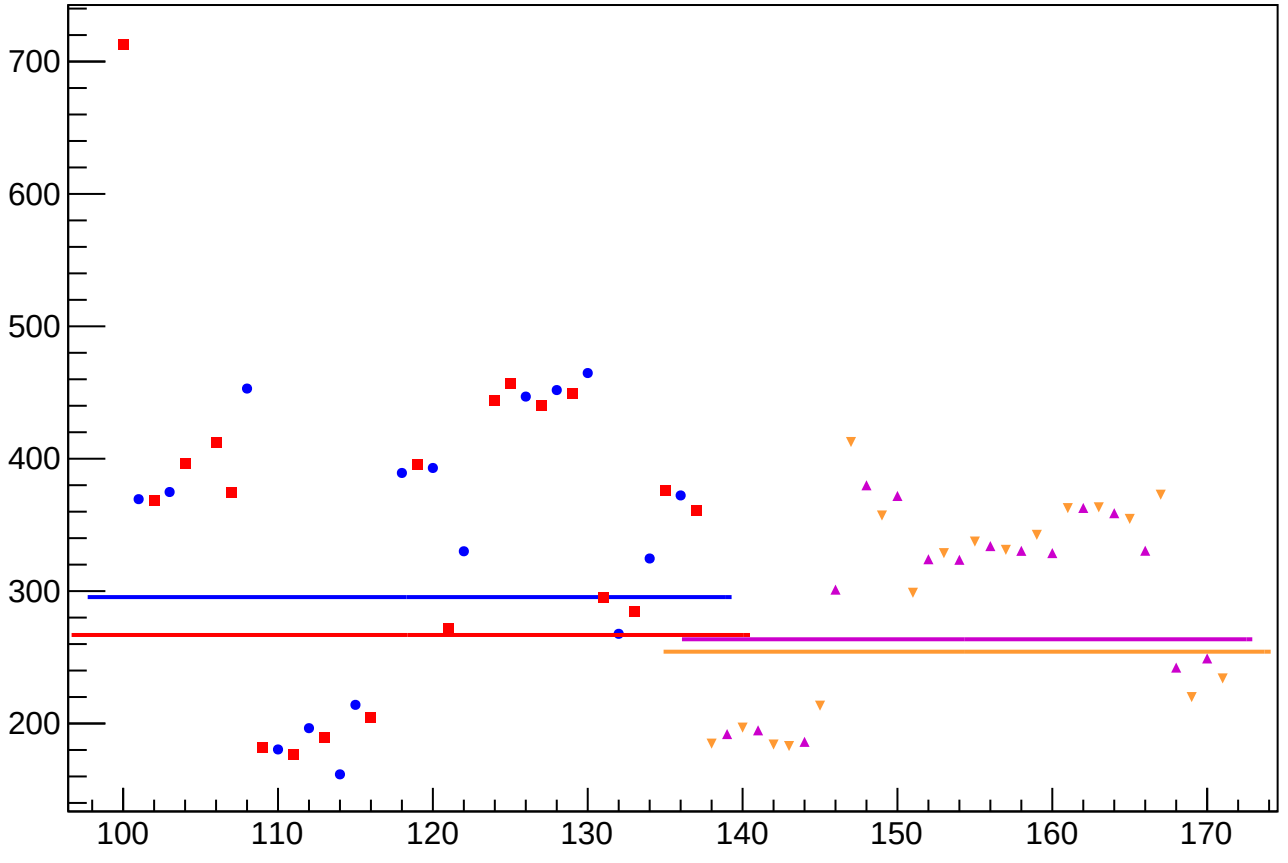
Left In: 134137.651+/-0.076 χ^2/NDF:817994060.2/15

+ sign 134573.997+/-0.061 χ^2/NDF: 1170241792.1/

All: 134660.647+/-0.043 χ^2/NDF: 22766138

- sign 134749.855+/-0.062 χ^2/NDF: 1102262806.4/

yield_bpm0r05WS_rms vs Slug



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.245+/-0.050 χ^2/NDF:2162759.7/17

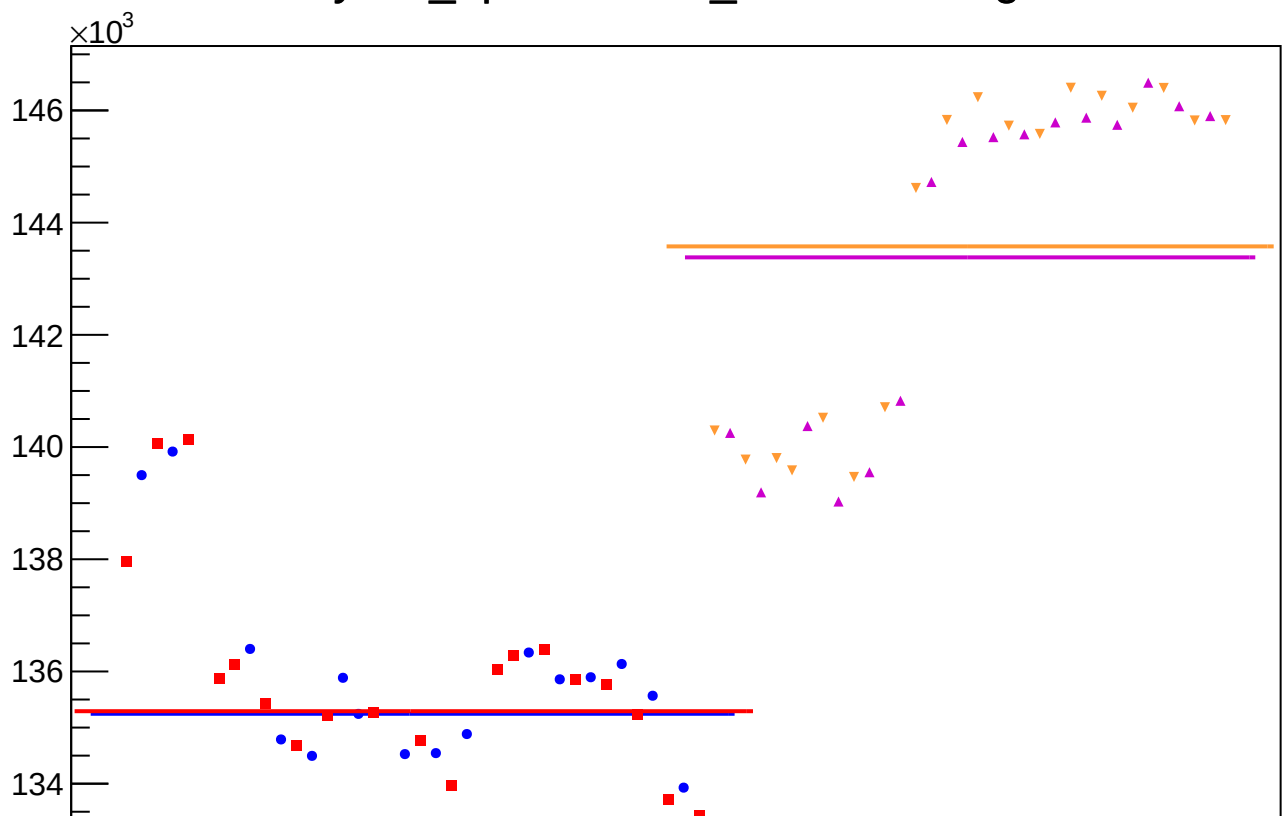
Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 263.616+/-0.054 χ^2/NDF:1670461.9/15

+ sign 265.162+/-0.043 χ^2/NDF: 3783806.0/33

All: 264.940+/-0.031 χ^2/NDF: 7133630.9/68

- sign 264.712+/-0.044 χ^2/NDF: 3349771.3/34



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143576.436+/-0.053 χ^2/NDF:2927346799.7/17

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

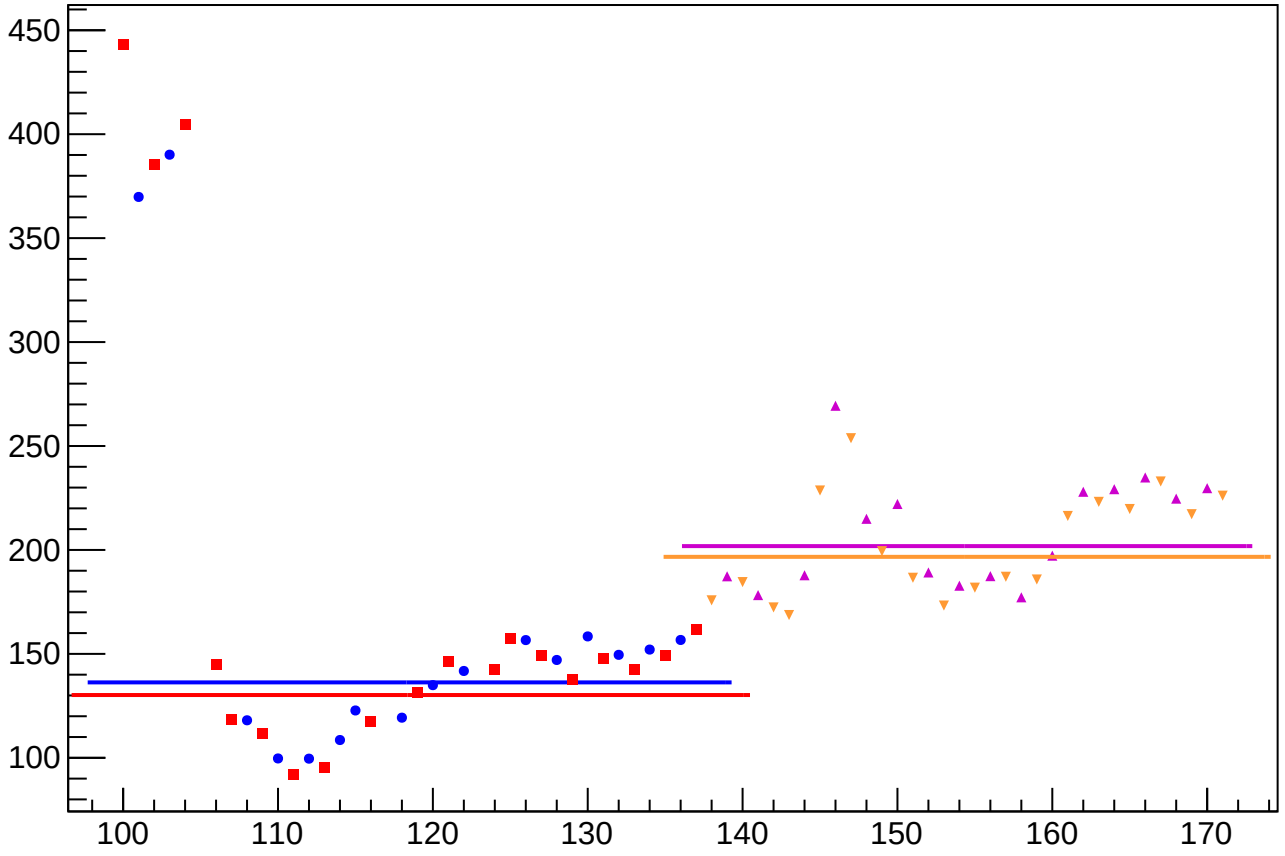
Left In: 143380.918+/-0.057 χ^2/NDF:2521932853.7/15

+ sign 139537.859+/-0.038 χ^2/NDF: 15254268819.

All: 139259.524+/-0.027 χ^2/NDF: 29405545

- sign 138980.195+/-0.038 χ^2/NDF: 14044360749.

yield_bpm0i02WS_rms vs Slug



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 196.682+/-0.038 χ^2/NDF:385373.5/17

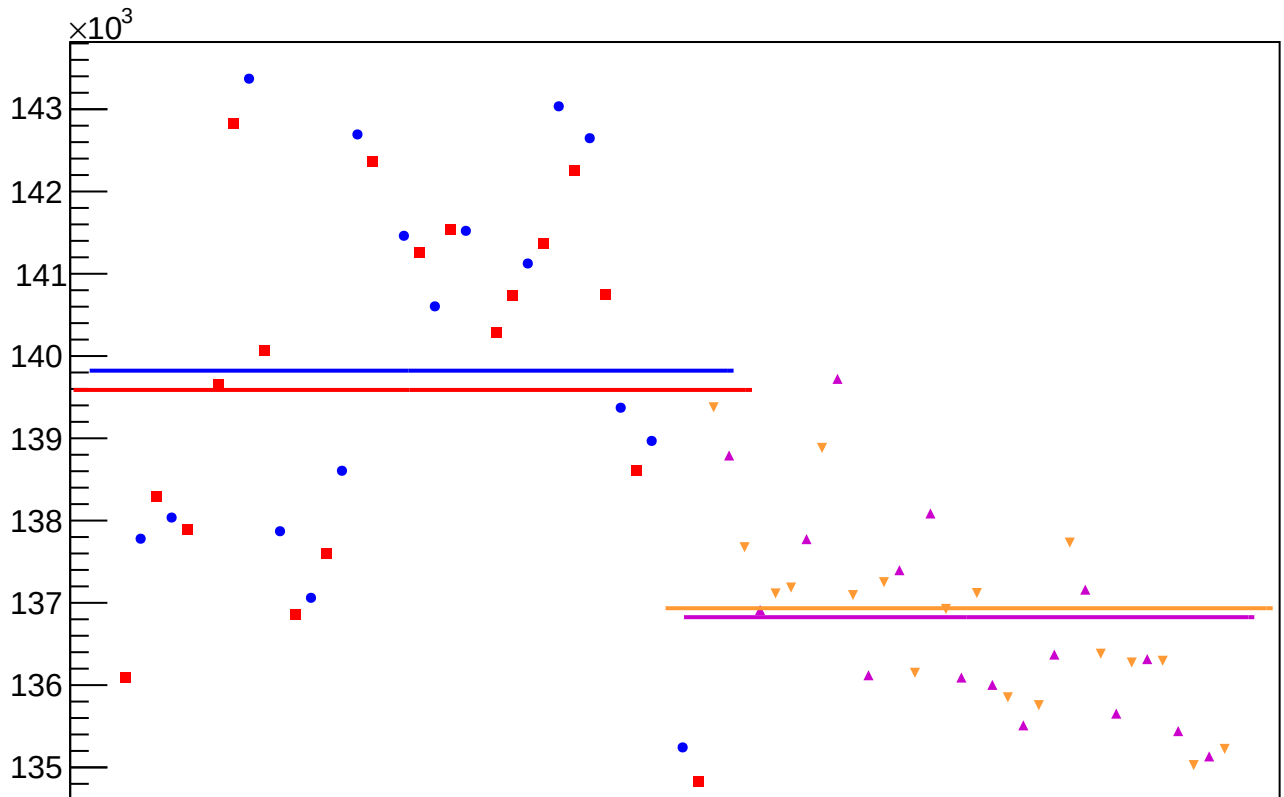
Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 201.845+/-0.040 χ^2/NDF:348623.1/15

+ sign 167.401+/-0.027 χ^2/NDF: 3024598.9/33

All: 165.140+/-0.019 χ^2/NDF: 6655781.1/68

- sign 162.871+/-0.027 χ^2/NDF: 3617074.0/34



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136934.641+/-0.055 χ^2/NDF:433743391.6/17

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

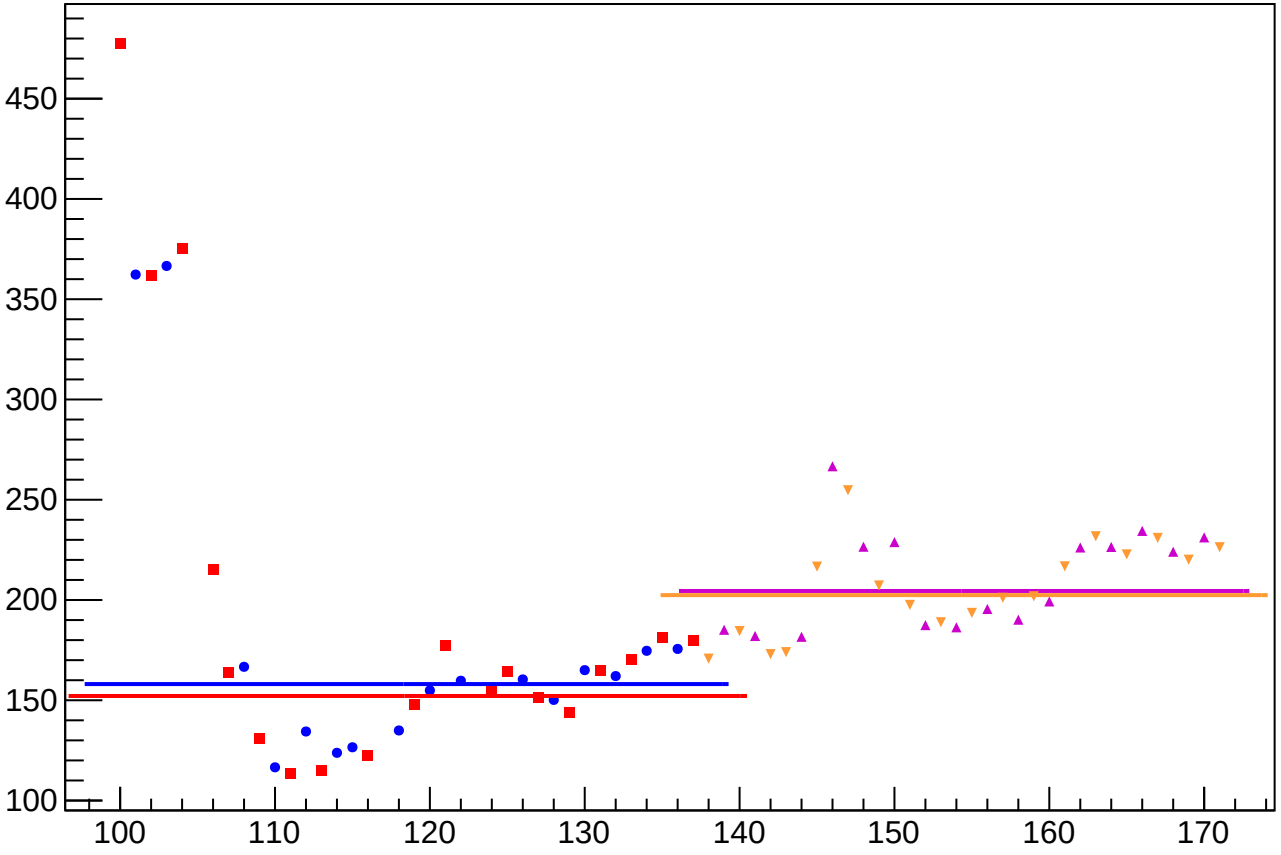
Left In: 136825.723+/-0.057 χ^2/NDF:440083240.4/15

+ sign 138184.499+/-0.041 χ^2/NDF: 3304101468.3/

All: 138167.593+/-0.029 χ^2/NDF: 6340407

- sign 138150.535+/-0.041 χ^2/NDF: 3035967266.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 202.430+/-0.039 χ^2/NDF:318414.1/17

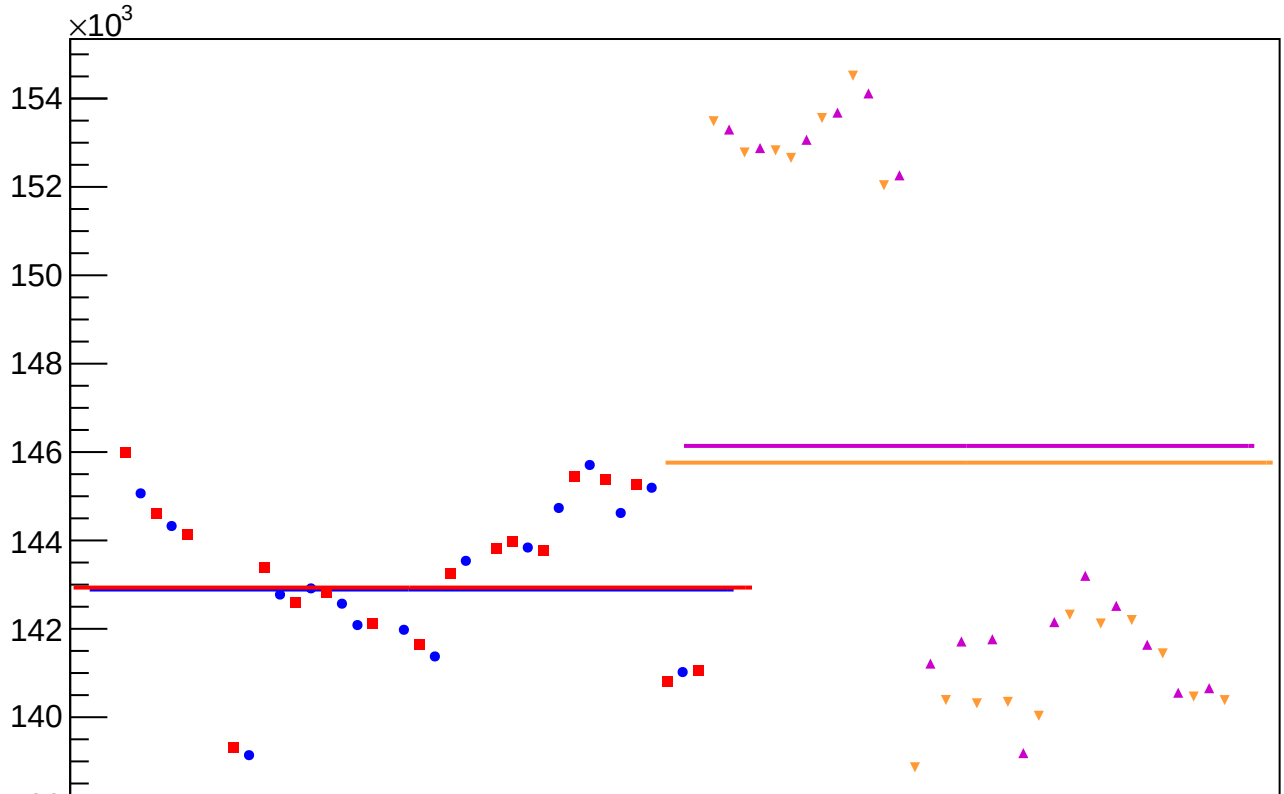
Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 204.503+/-0.041 χ^2/NDF:324336.2/15

+ sign 183.233+/-0.029 χ^2/NDF: 1905845.1/33

All: 181.319+/-0.021 χ^2/NDF: 4267895.8/68

- sign 179.388+/-0.029 χ^2/NDF: 2353371.3/34



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145760.905+/-0.055 χ^2/NDF:12376646391.0/17

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

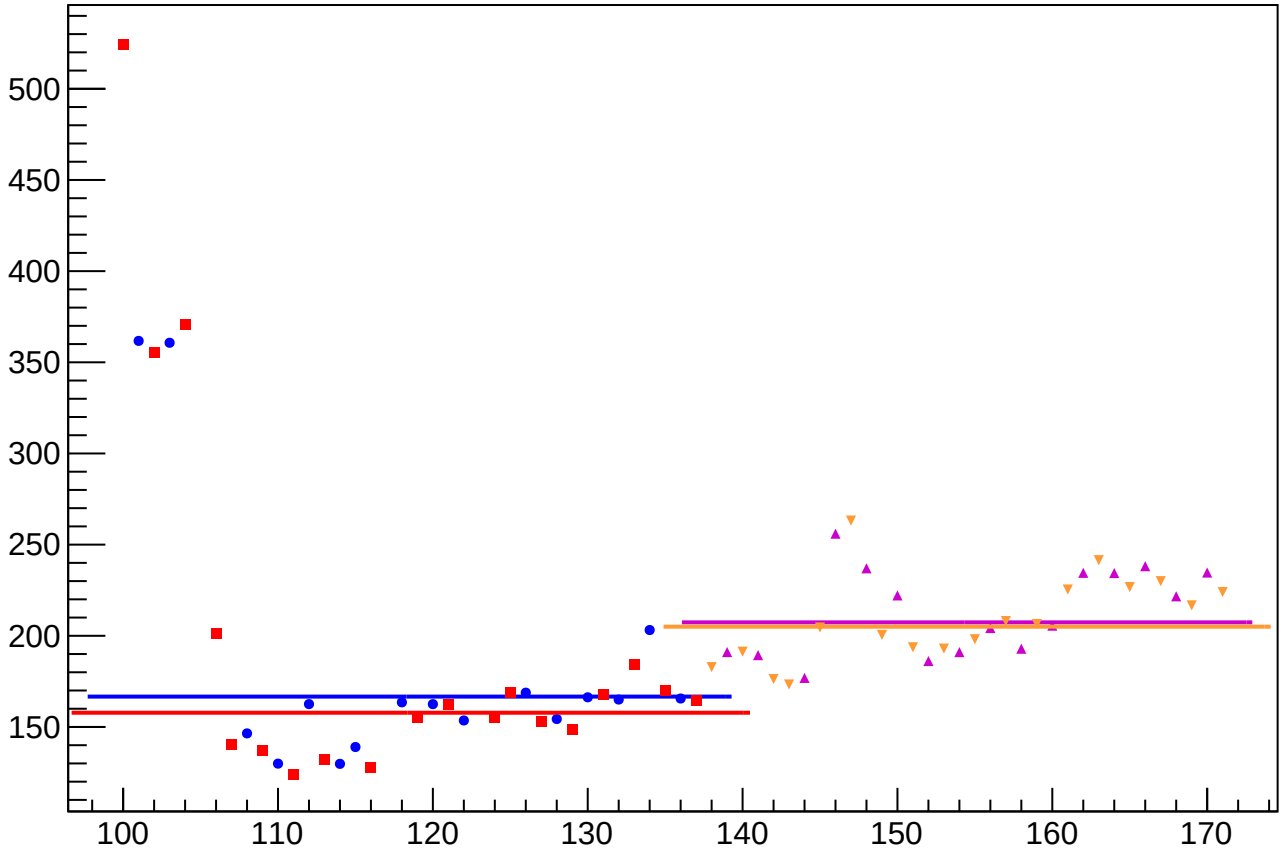
Left In: 146139.114+/-0.058 χ^2/NDF:10238151119.1/15

+ sign 144569.392+/-0.042 χ^2/NDF: 14258082511.

All: 144599.292+/-0.030 χ^2/NDF: 26719476

- sign 144629.087+/-0.042 χ^2/NDF: 12460397004.

yield_bpm0i05WS_rms vs Slug



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 205.005+/-0.039 χ^2/NDF:297107.1/17

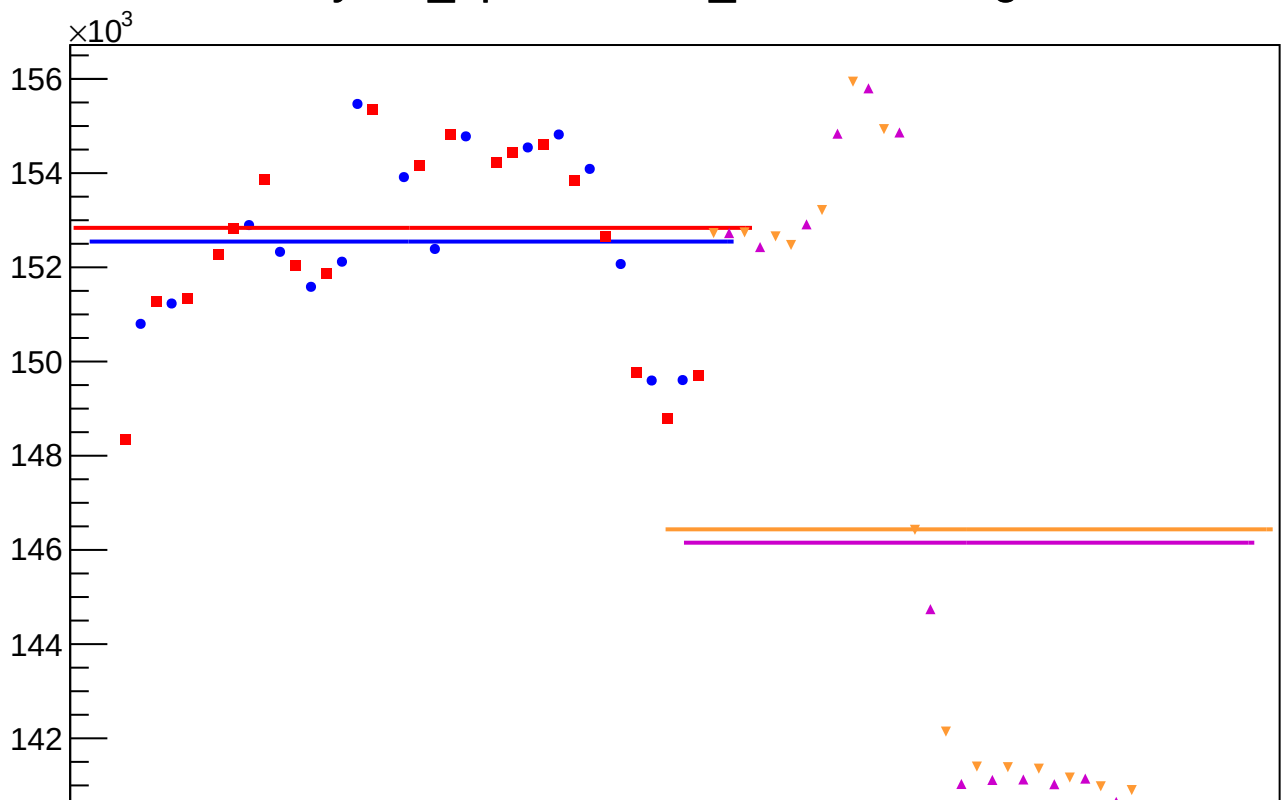
Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 207.372+/-0.041 χ^2/NDF:305060.8/15

+ sign 189.093+/-0.030 χ^2/NDF: 1559529.5/33

All: 186.553+/-0.021 χ^2/NDF: 3587485.4/68

- sign 184.022+/-0.030 χ^2/NDF: 2013568.4/34



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146437.106+/-0.055 χ^2/NDF:11410697491.8/17

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

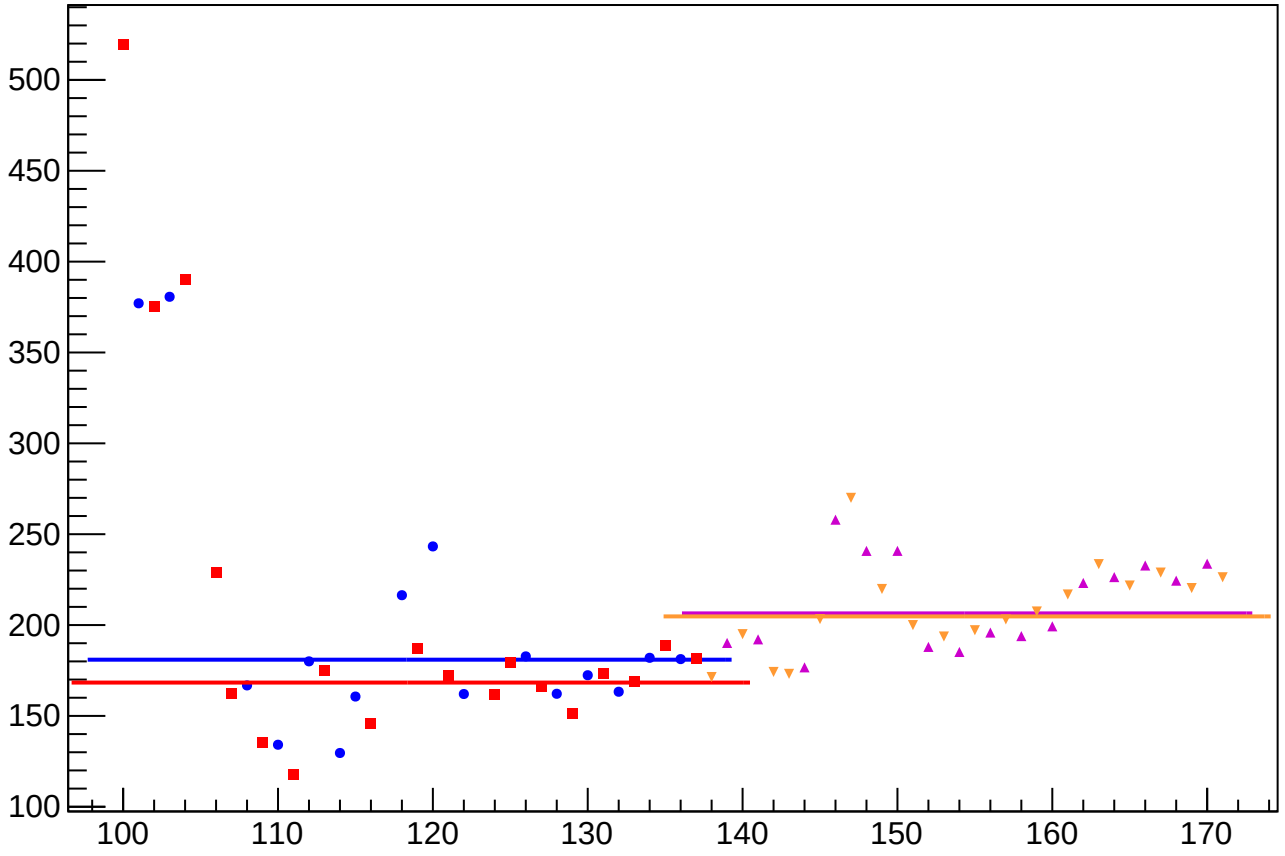
Left In: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

+ sign 148668.602+/-0.044 χ^2/NDF: 16559015527.

All: 148842.619+/-0.031 χ^2/NDF: 342233745

- sign 149014.467+/-0.044 χ^2/NDF: 17633107400.2

yield_bpm0i07WS_rms vs Slug



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 204.759+/-0.039 χ^2/NDF:330908.7/17

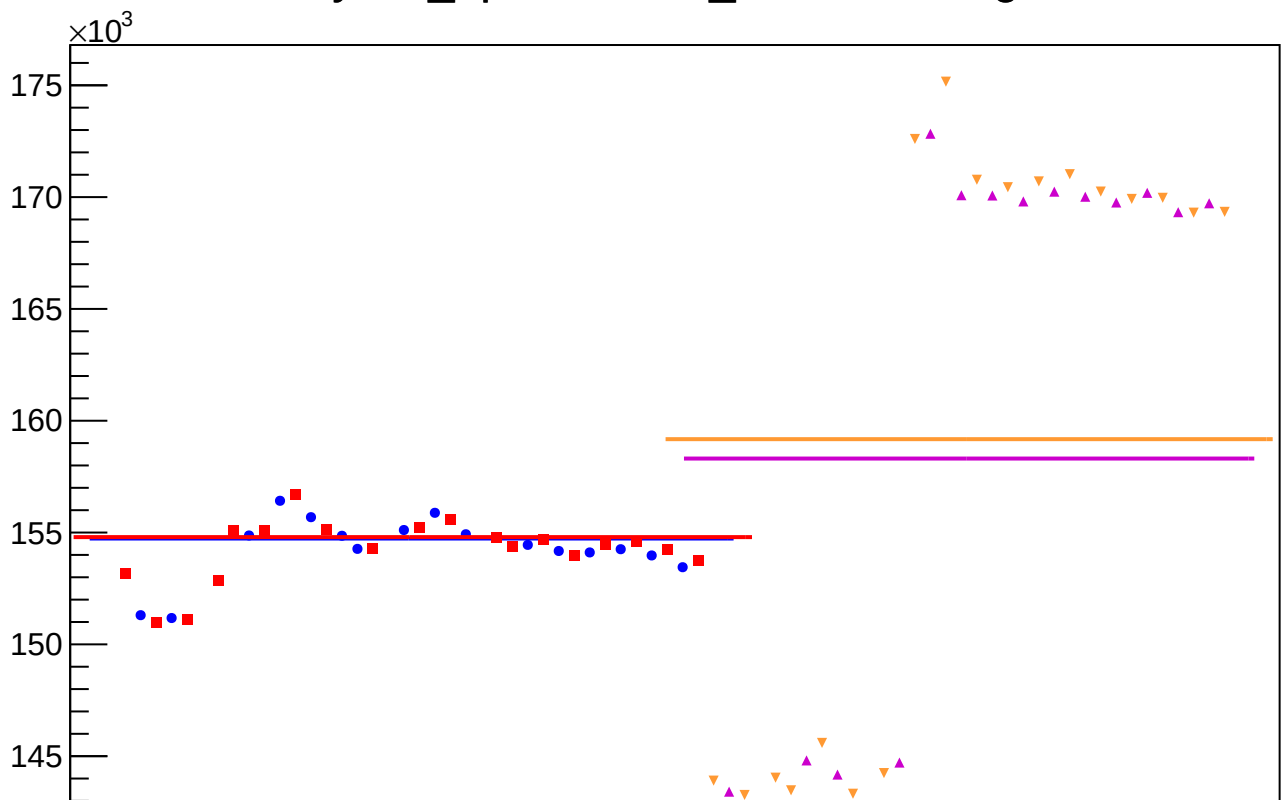
Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 206.416+/-0.041 χ^2/NDF:329681.2/15

+ sign 196.059+/-0.031 χ^2/NDF: 1375280.8/33

All: 193.073+/-0.022 χ^2/NDF: 3185531.0/68

- sign 190.123+/-0.031 χ^2/NDF: 1791840.8/34



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159175.904+/-0.052 χ^2/NDF:68893745258.9/17

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

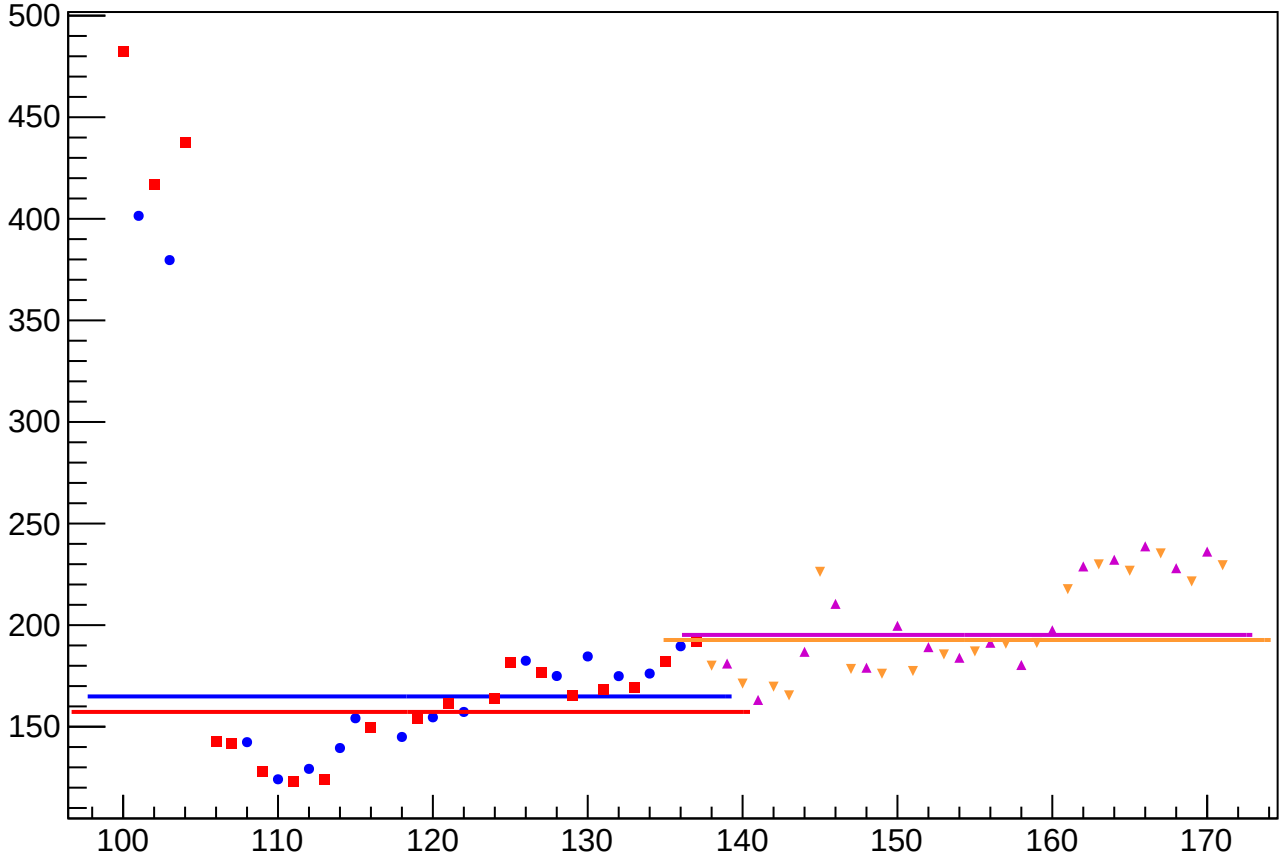
Left In: 158309.123+/-0.054 χ^2/NDF:60133536164.1/15

+ sign 157457.366+/-0.041 χ^2/NDF: 72015692593.8

All: 157107.039+/-0.029 χ^2/NDF: 13444932

- sign 156755.726+/-0.041 χ^2/NDF: 62284128319.2

yield_bpm1i02WS_rms vs Slug



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 192.687+/-0.037 χ^2/NDF:383631.2/17

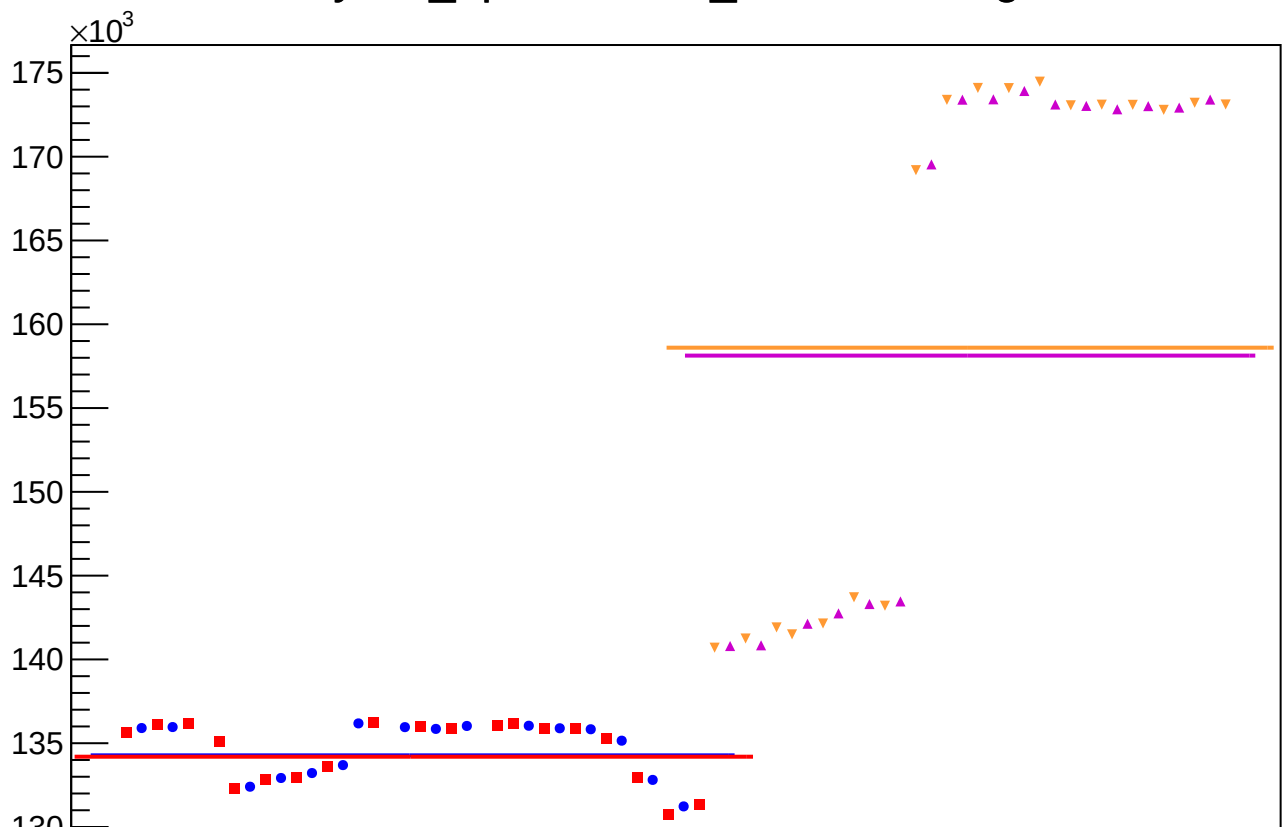
Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 195.189+/-0.038 χ^2/NDF:312871.0/15

+ sign 181.941+/-0.029 χ^2/NDF: 1679035.3/33

All: 180.187+/-0.020 χ^2/NDF: 3684128.3/68

- sign 178.428+/-0.029 χ^2/NDF: 1997599.5/34



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 158602.691+/-0.052 χ^2/NDF:86810467485.2/17

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

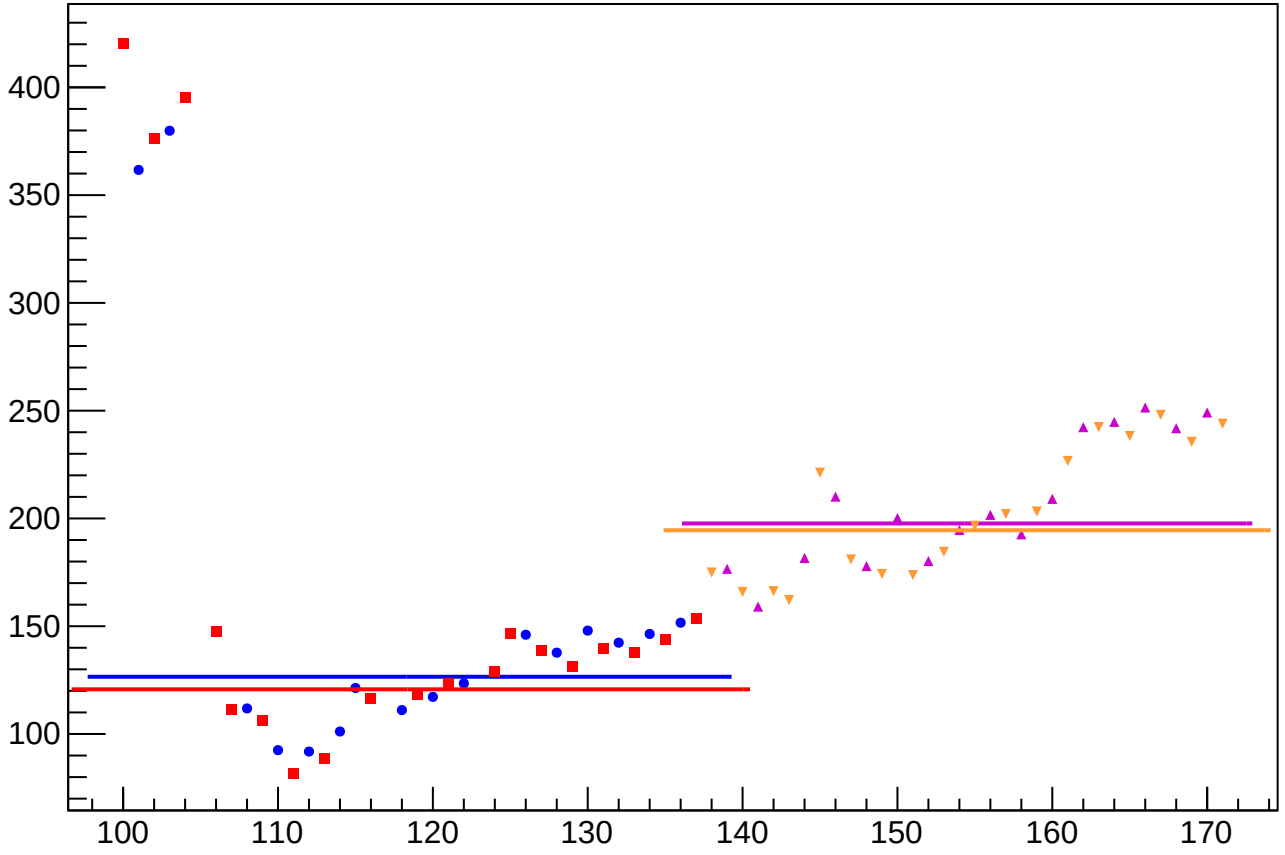
Left In: 158130.161+/-0.055 χ^2/NDF:77231417932.8/15

+ sign 146050.436+/-0.037 χ^2/NDF: 198834431292

All: 145258.846+/-0.026 χ^2/NDF: 38515404

- sign 144479.296+/-0.036 χ^2/NDF: 185386539746

yield_bpm1i04WS_rms vs Slug



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 194.524+/-0.037 χ^2/NDF:574172.7/17

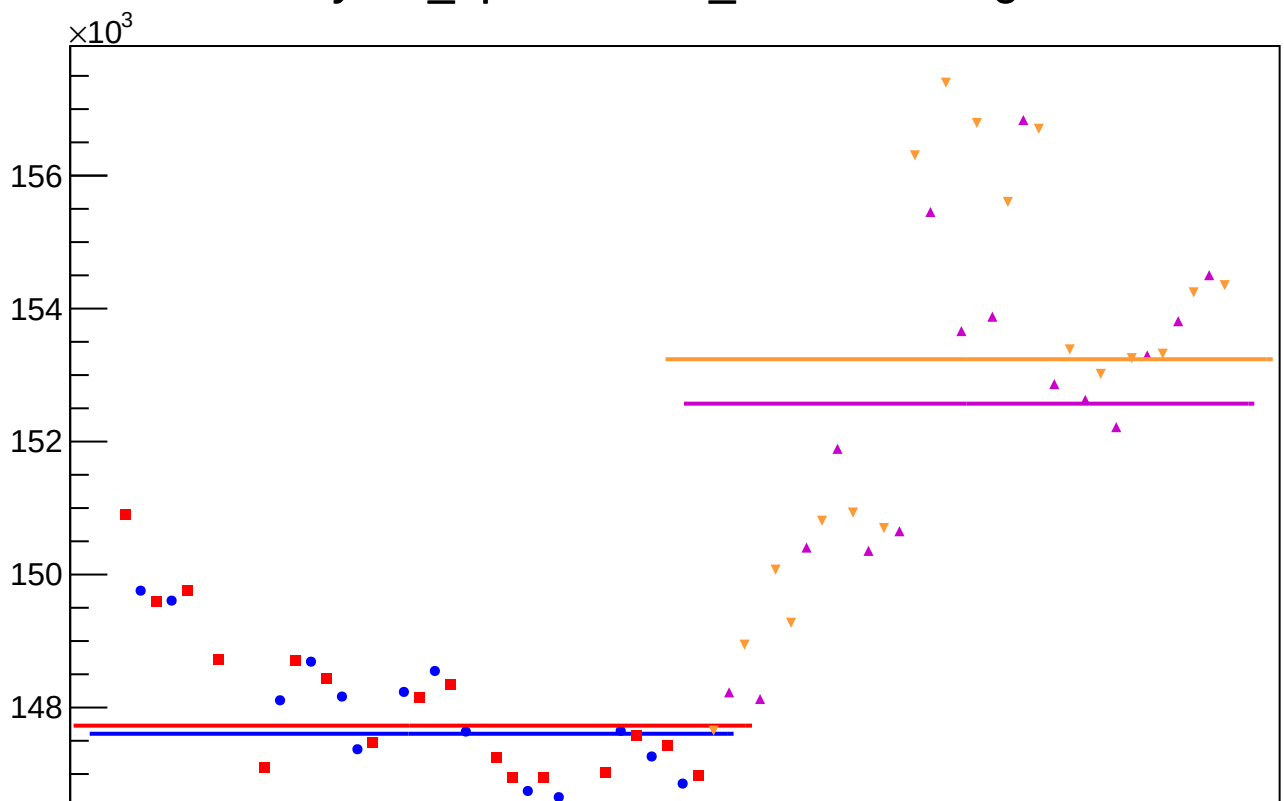
Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 197.675+/-0.039 χ^2/NDF:467372.0/15

+ sign 159.451+/-0.026 χ^2/NDF: 3783032.0/33

All: 156.597+/-0.018 χ^2/NDF: 8118386.8/68

- sign 153.787+/-0.026 χ^2/NDF: 4311103.2/34



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153238.591+/-0.056 χ^2/NDF:2948995220.4/17

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

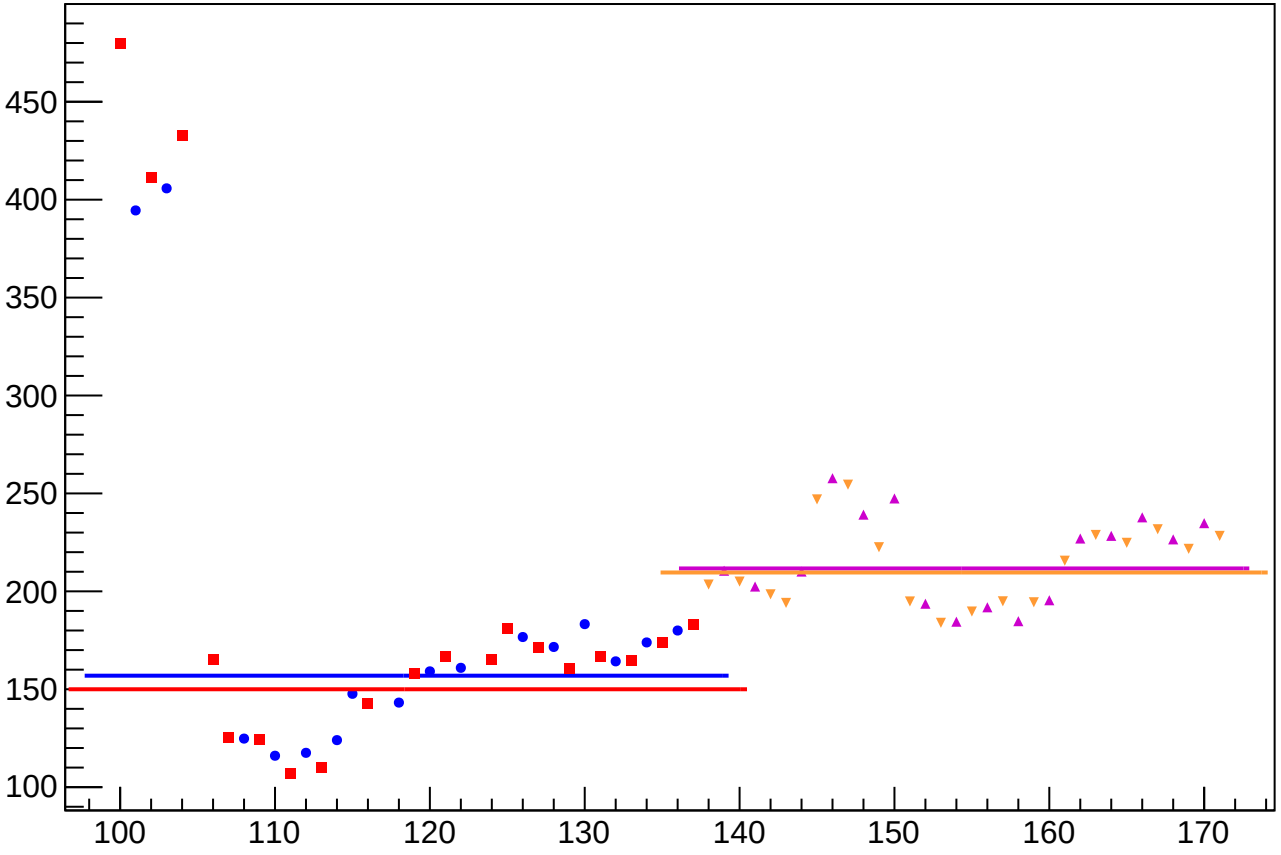
Left In: 152570.208+/-0.059 χ^2/NDF:1808793213.9/15

+ sign 150717.430+/-0.042 χ^2/NDF: 7640621808.7

All: 150431.522+/-0.030 χ^2/NDF: 13111192

- sign 150147.100+/-0.042 χ^2/NDF: 5377226383.3/

yield_bpm1i06WS_rms vs Slug



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 209.623+/-0.040 χ^2/NDF:235614.5/17

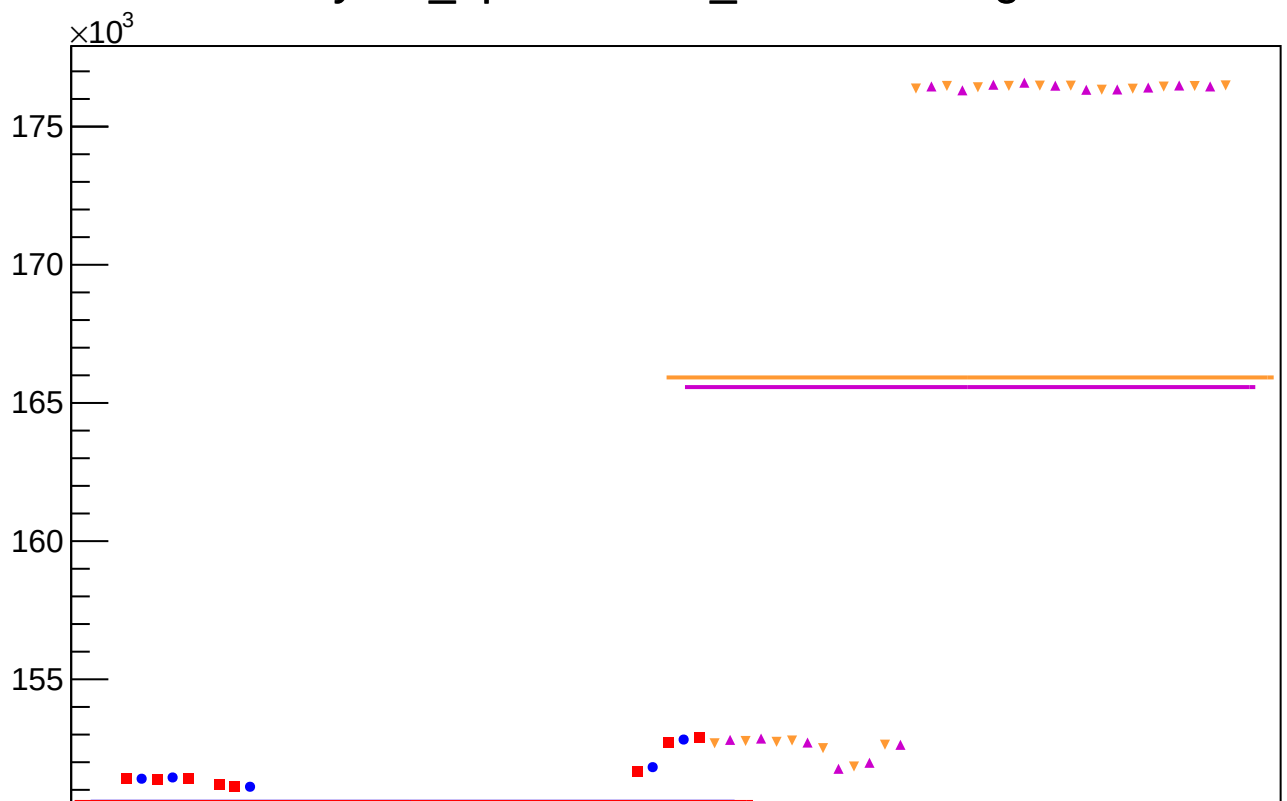
Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 211.686+/-0.042 χ^2/NDF:286780.5/15

+ sign 186.038+/-0.030 χ^2/NDF: 2287440.2/33

All: 183.420+/-0.021 χ^2/NDF: 5138812.5/68

- sign 180.817+/-0.029 χ^2/NDF: 2835728.8/34



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 165923.347+/-0.051 χ^2/NDF:54281523083.6/17

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

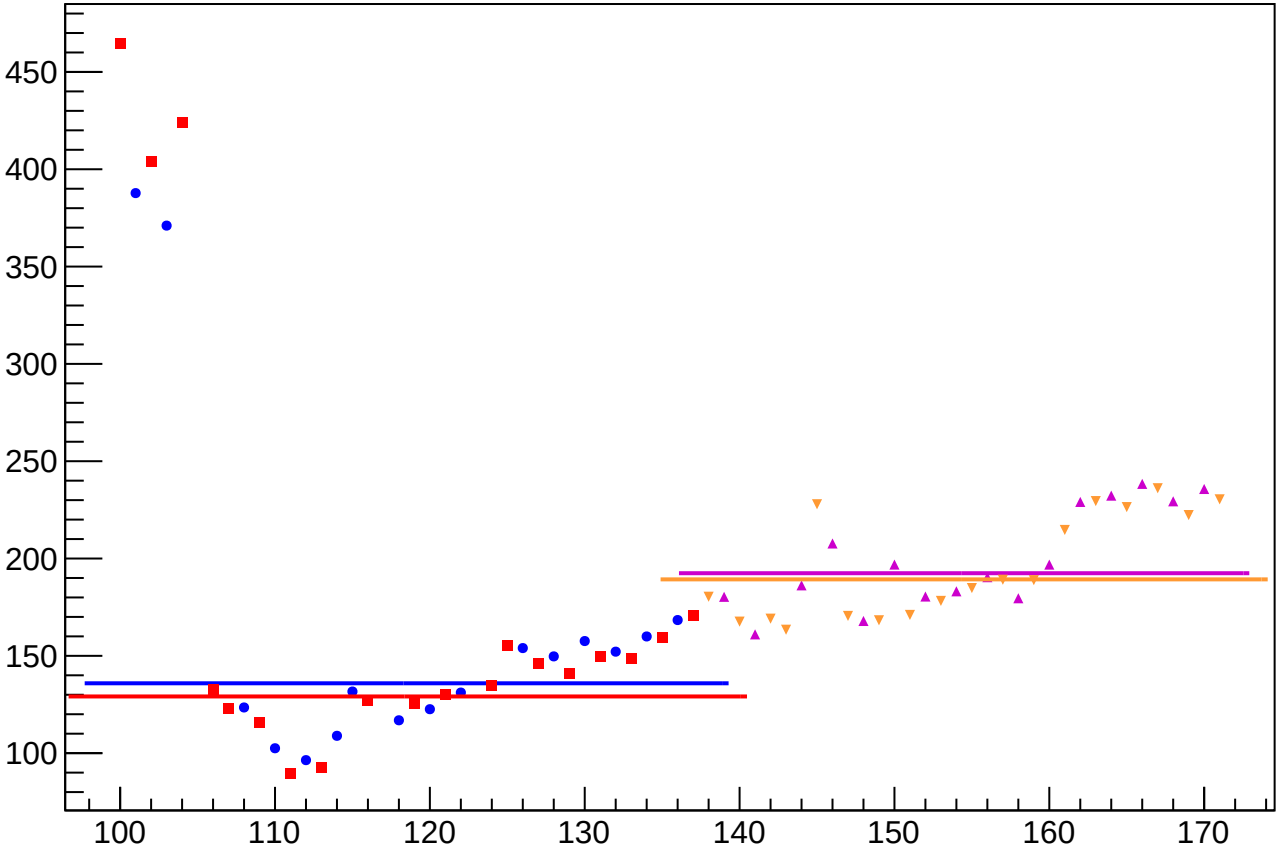
Left In: 165574.255+/-0.054 χ^2/NDF:49432437926.3/15

+ sign 158785.837+/-0.037 χ^2/NDF: 96825602359.

All: 158230.195+/-0.026 χ^2/NDF: 18802802

- sign 157682.574+/-0.037 χ^2/NDF: 90760222739.

yield_bpm2i01WS_rms vs Slug



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 189.286+/-0.036 χ^2/NDF:459144.6/17

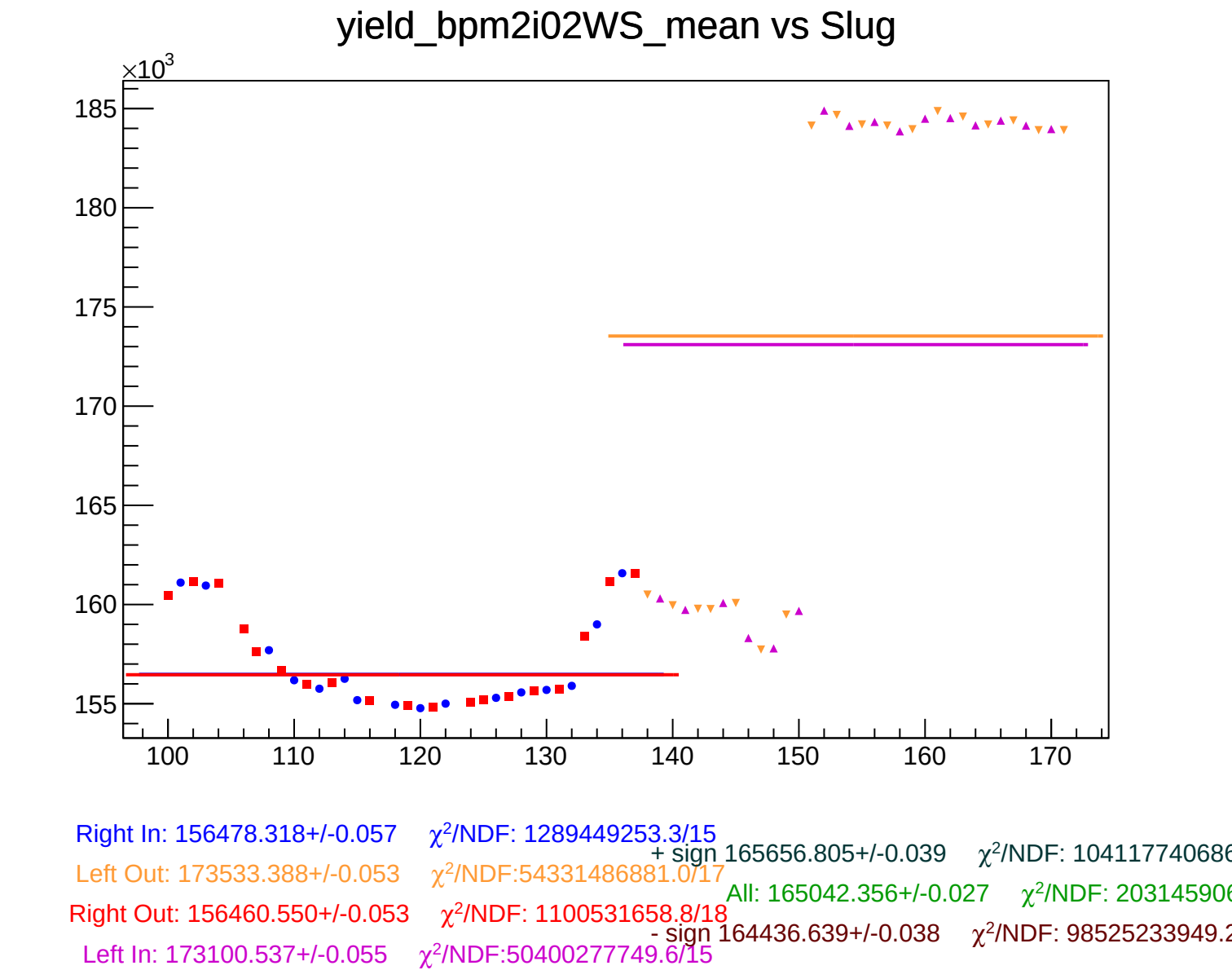
Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 192.456+/-0.038 χ^2/NDF:361382.9/15

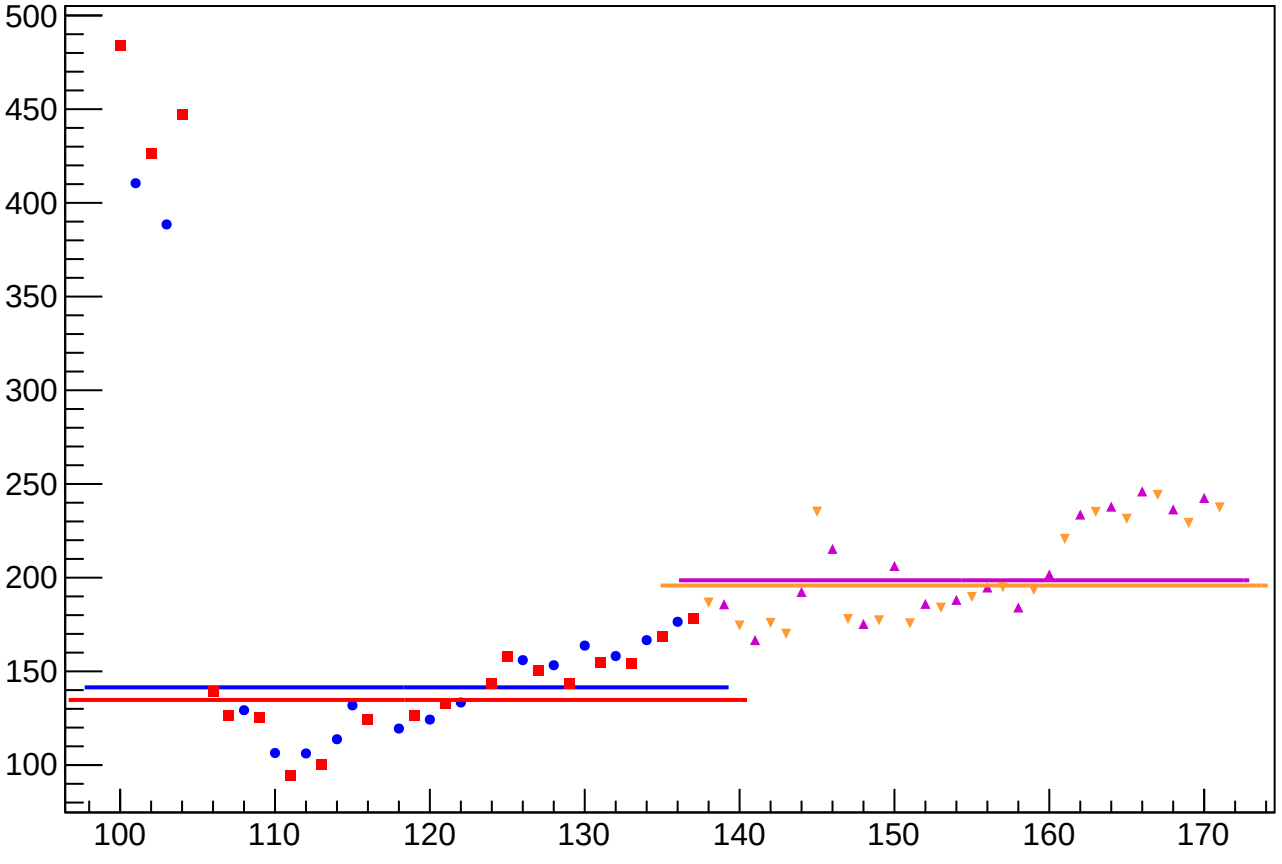
+ sign 164.468+/-0.026 χ^2/NDF: 2898476.0/33

All: 161.798+/-0.019 χ^2/NDF: 6358213.0/68

- sign 159.167+/-0.026 χ^2/NDF: 3439322.0/34


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 173533.388+/-0.053 χ²/NDF:54331486881.0/17
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 173100.537+/-0.055 χ²/NDF:50400277749.6/15
+ sign 165656.805+/-0.039 χ²/NDF: 104117740686
All: 165042.356+/-0.027 χ²/NDF: 203145906
- sign 164436.639+/-0.038 χ²/NDF: 98525233949.2

yield_bpm2i02WS_rms vs Slug



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 195.825+/-0.037 χ^2/NDF:430159.6/17

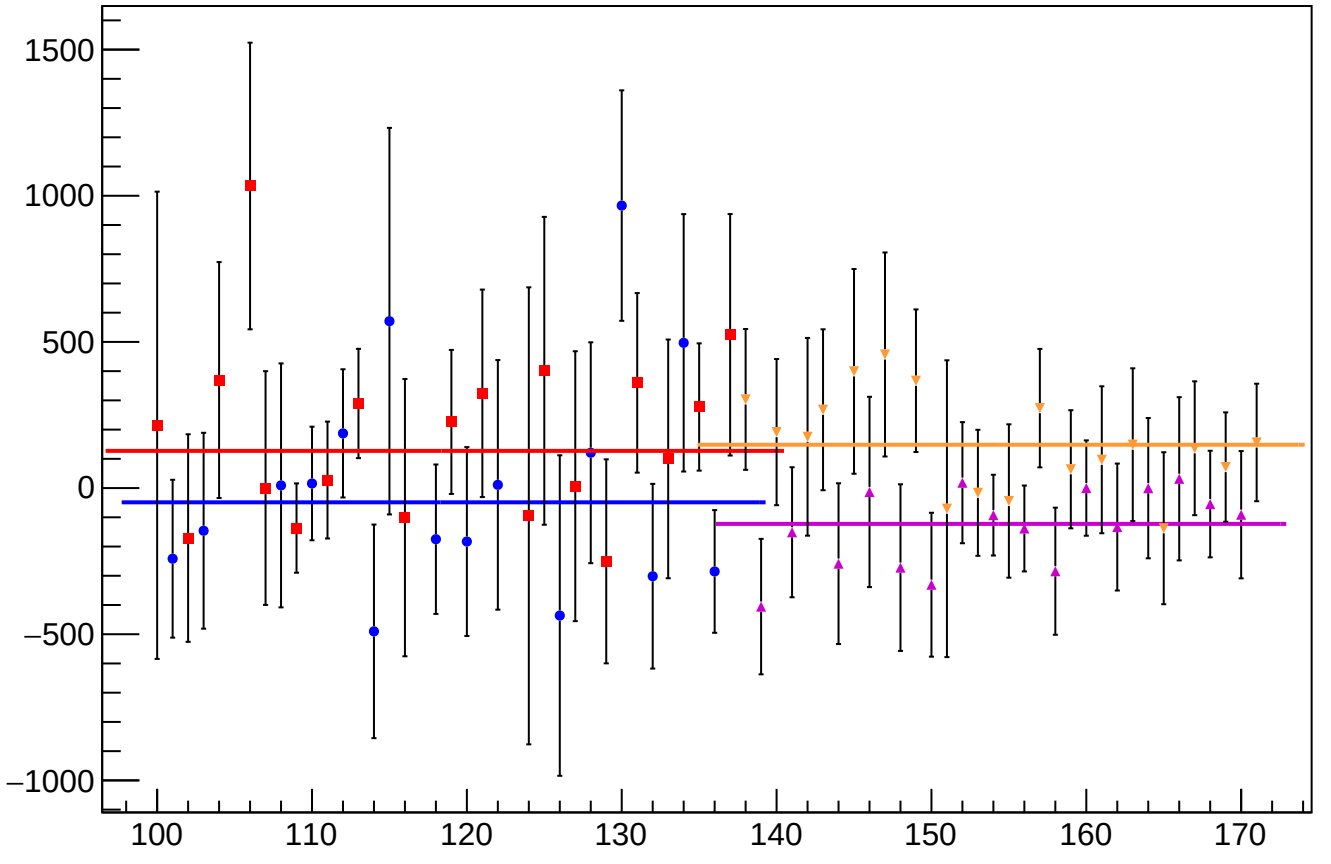
Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 198.589+/-0.039 χ^2/NDF:349126.1/15

+ sign 170.722+/-0.027 χ^2/NDF: 2807264.3/33

All: 168.016+/-0.019 χ^2/NDF: 6139399.1/68

- sign 165.348+/-0.027 χ^2/NDF: 3312622.4/34



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.234+/-58.247 χ^2/NDF:6.0/17

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

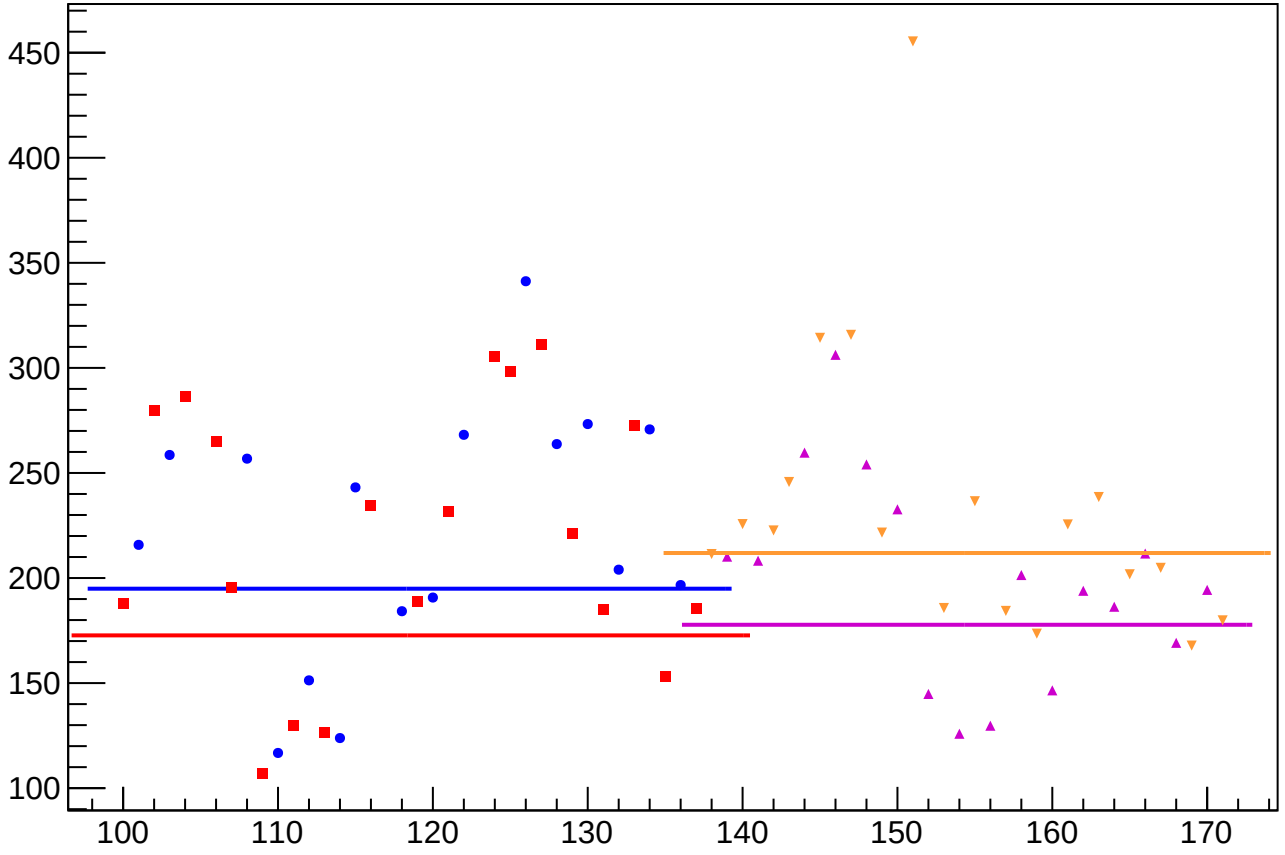
Left In: -122.538+/-51.731 χ^2/NDF:5.2/15

+ sign 76.054+/-46.363 χ^2/NDF: 25.6/33

All: 15.880+/-30.832 χ^2/NDF: 55.2/68

- sign -31.829+/-41.283 χ^2/NDF: 26.5/34

asym_bcm_target_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.907+/-0.041 χ^2/NDF:1198853.2/17

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

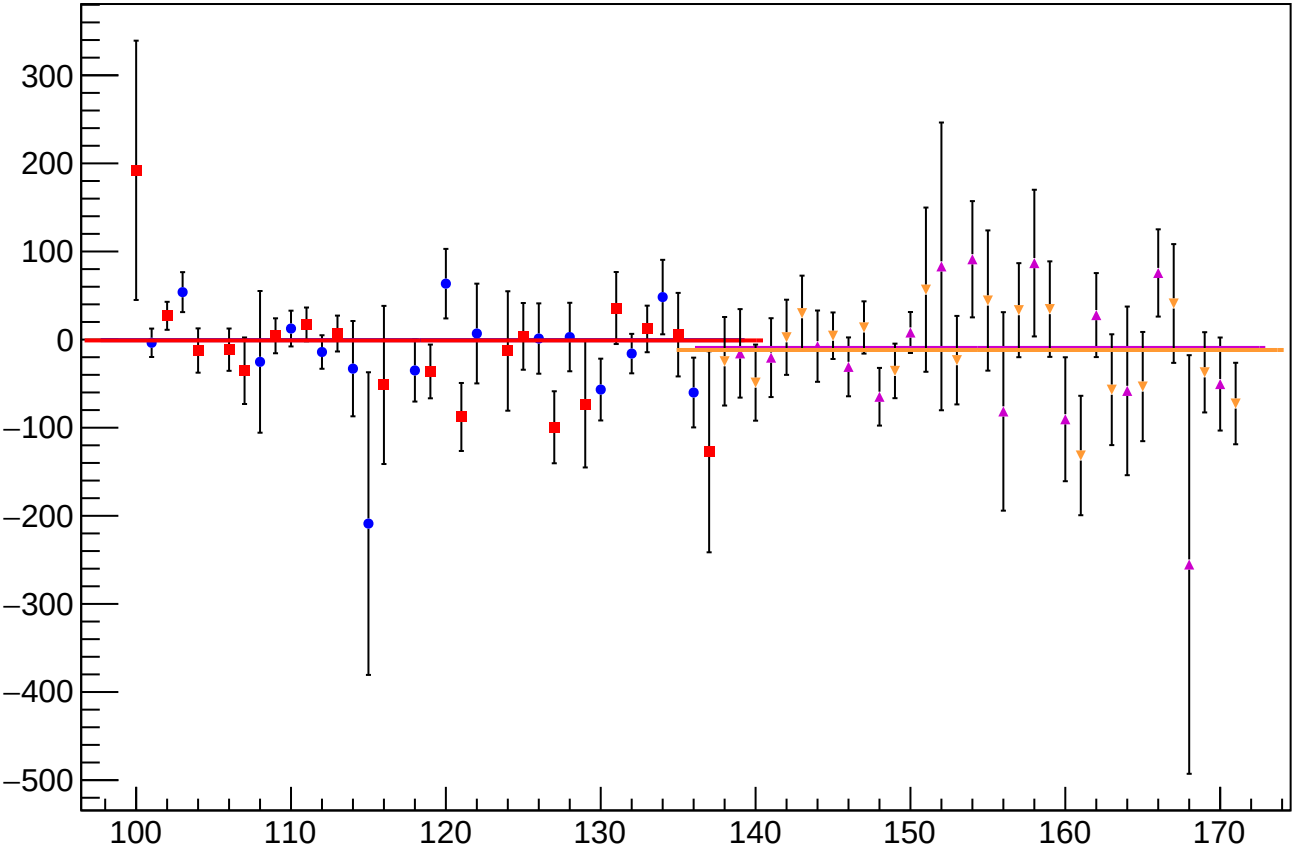
Left In: 177.752+/-0.037 χ^2/NDF:1511104.1/15

+ sign 205.684+/-0.033 χ^2/NDF: 2290067.6/33

All: 189.082+/-0.022 χ^2/NDF: 5899219.8/68

- sign 175.919+/-0.029 χ^2/NDF: 3149369.8/34

asym_bcm_an_diff_mean vs Slug



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -11.797+/-10.595 χ^2/NDF:12.9/17

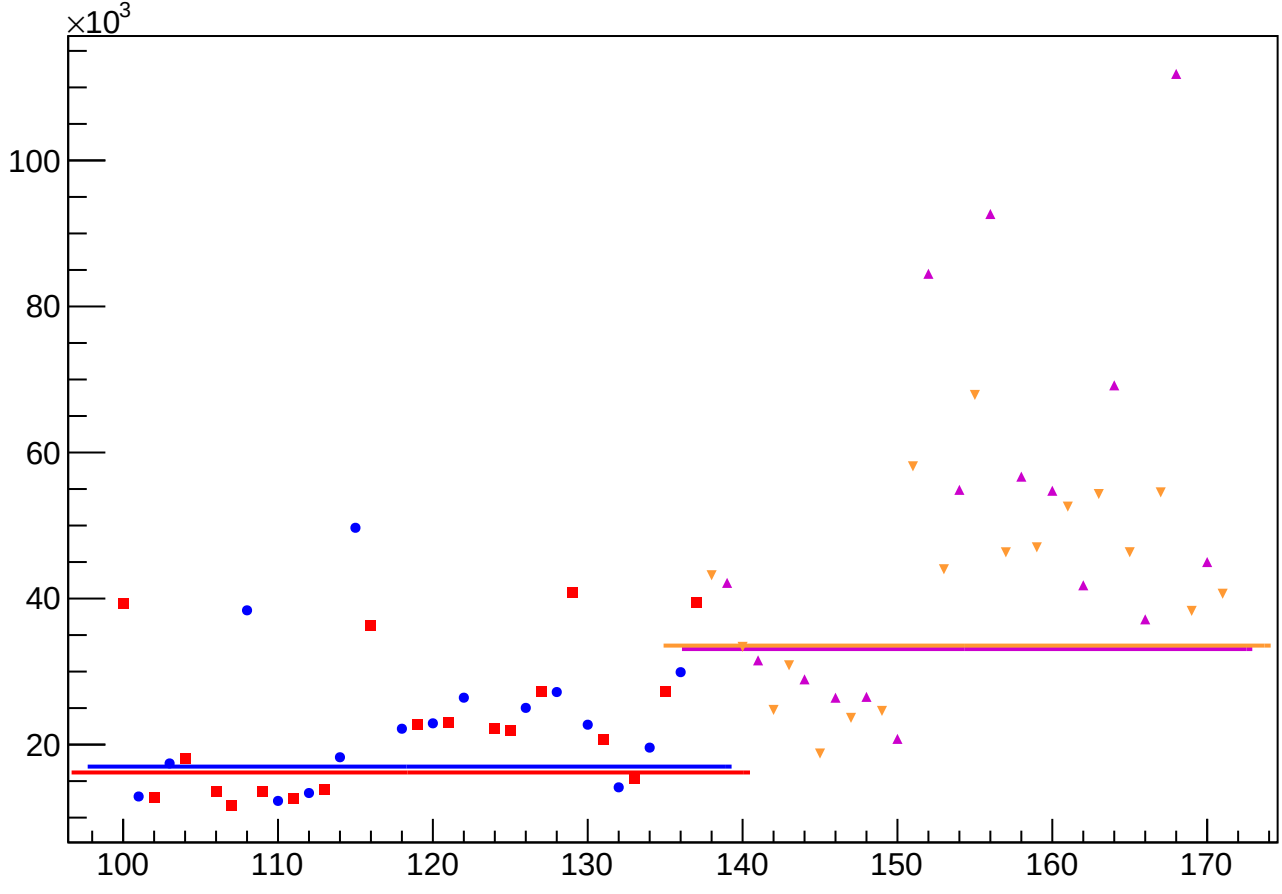
Right Out: -0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: -9.468+/-11.776 χ^2/NDF:15.1/15

+ sign -4.248+/-6.034 χ^2/NDF: 32.5/33

All: -3.635+/-4.206 χ^2/NDF: 71.1/68

- sign -3.055+/-5.867 χ^2/NDF: 38.6/34



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 33558.112+/-7.492 χ^2/NDF:2741692.9/17

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

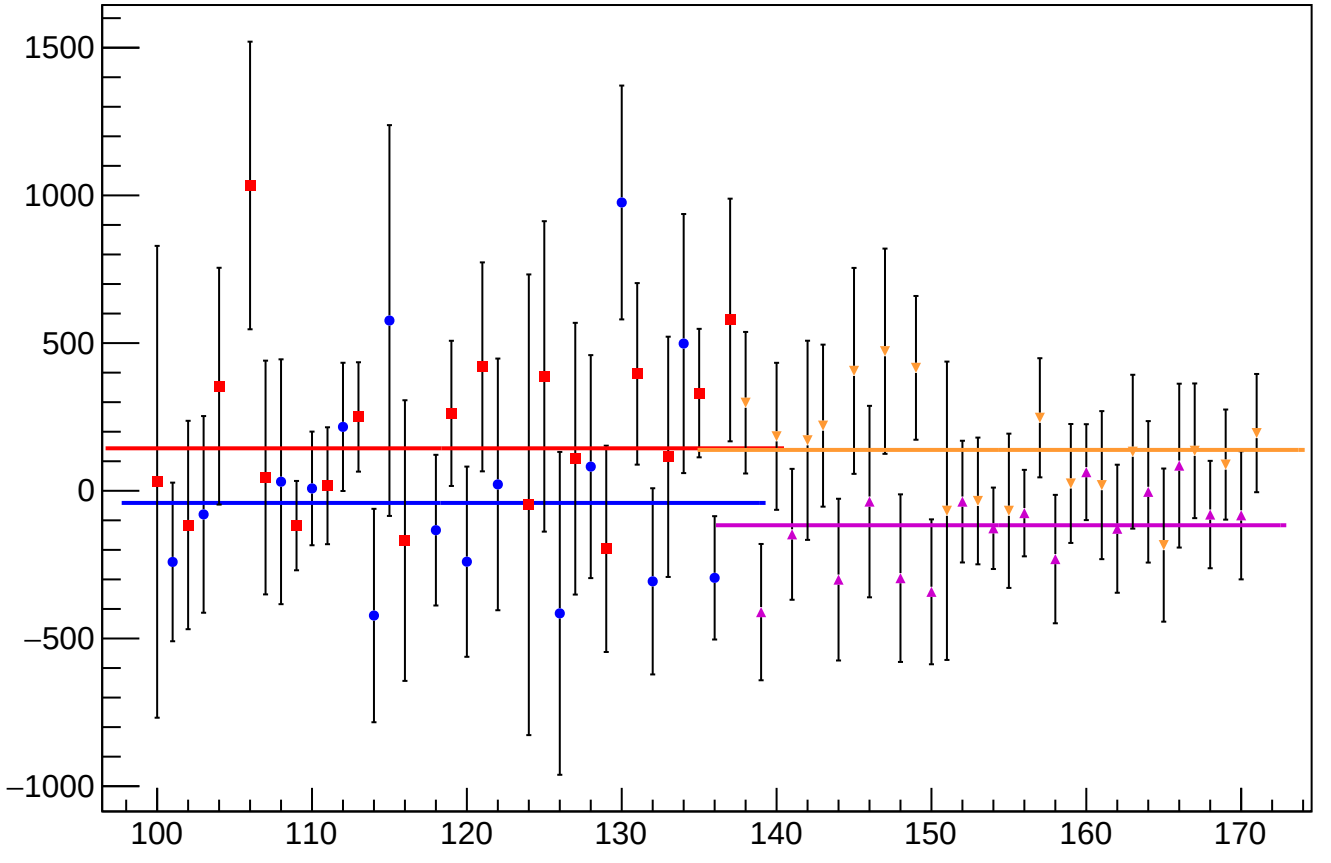
Left In: 33083.405+/-8.327 χ^2/NDF:2821100.3/15

+ sign 22360.813+/-4.266 χ^2/NDF: 7241789.0/33

All: 21341.441+/-2.974 χ^2/NDF: 14522538.3

- sign 20377.530+/-4.149 χ^2/NDF: 7169684.5/34

asym_bcm_an_ds_mean vs Slug



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.413+/-58.007 χ^2/NDF:7.4/17

Right Out: 143.821+/-68.080 χ^2/NDF: 13.0/18

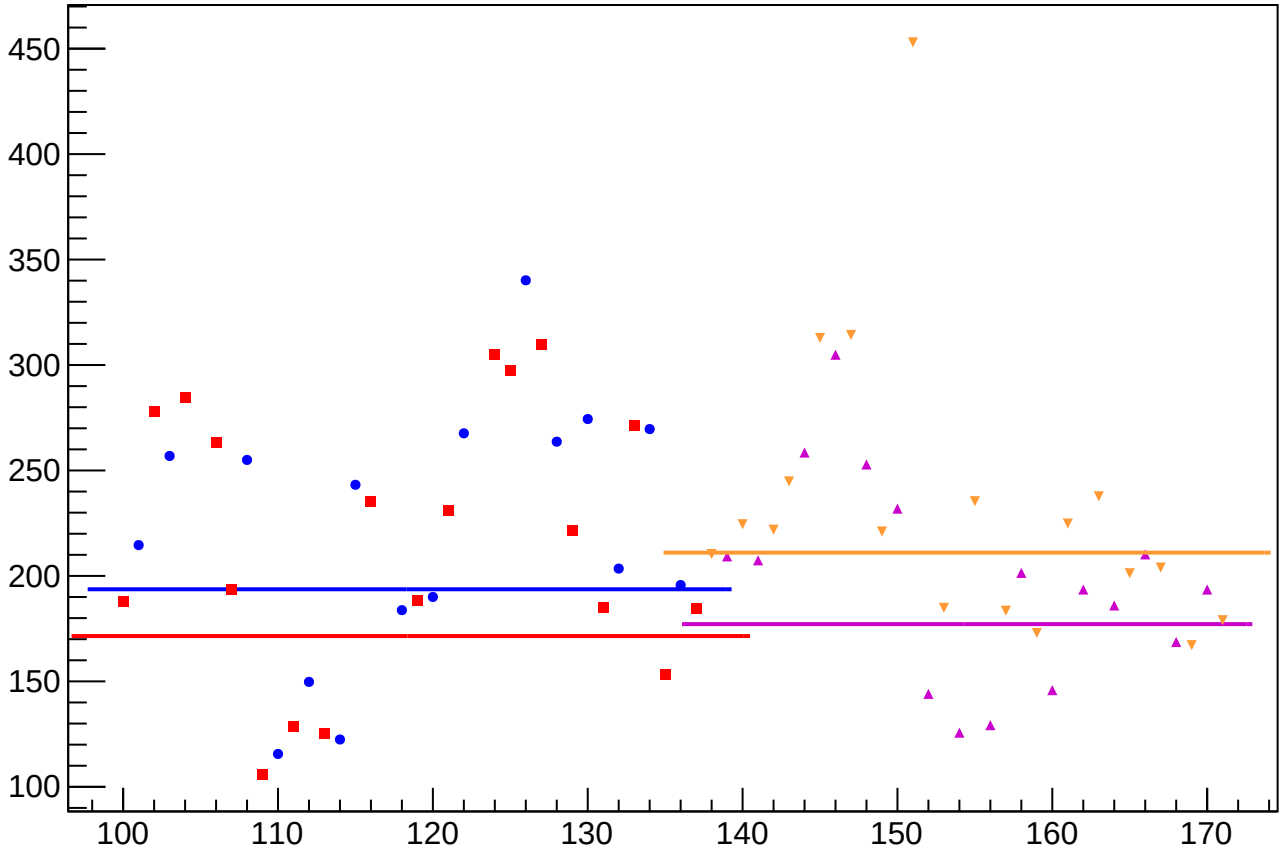
Left In: -116.630+/-51.550 χ^2/NDF:6.0/15

+ sign 72.524+/-46.145 χ^2/NDF: 26.3/33

All: 19.968+/-30.690 χ^2/NDF: 56.9/68

- sign -21.719+/-41.098 χ^2/NDF: 28.3/34

asym_bcm_an_ds_rms vs Slug



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 211.042+/-0.041 χ^2/NDF:1197917.7/17

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

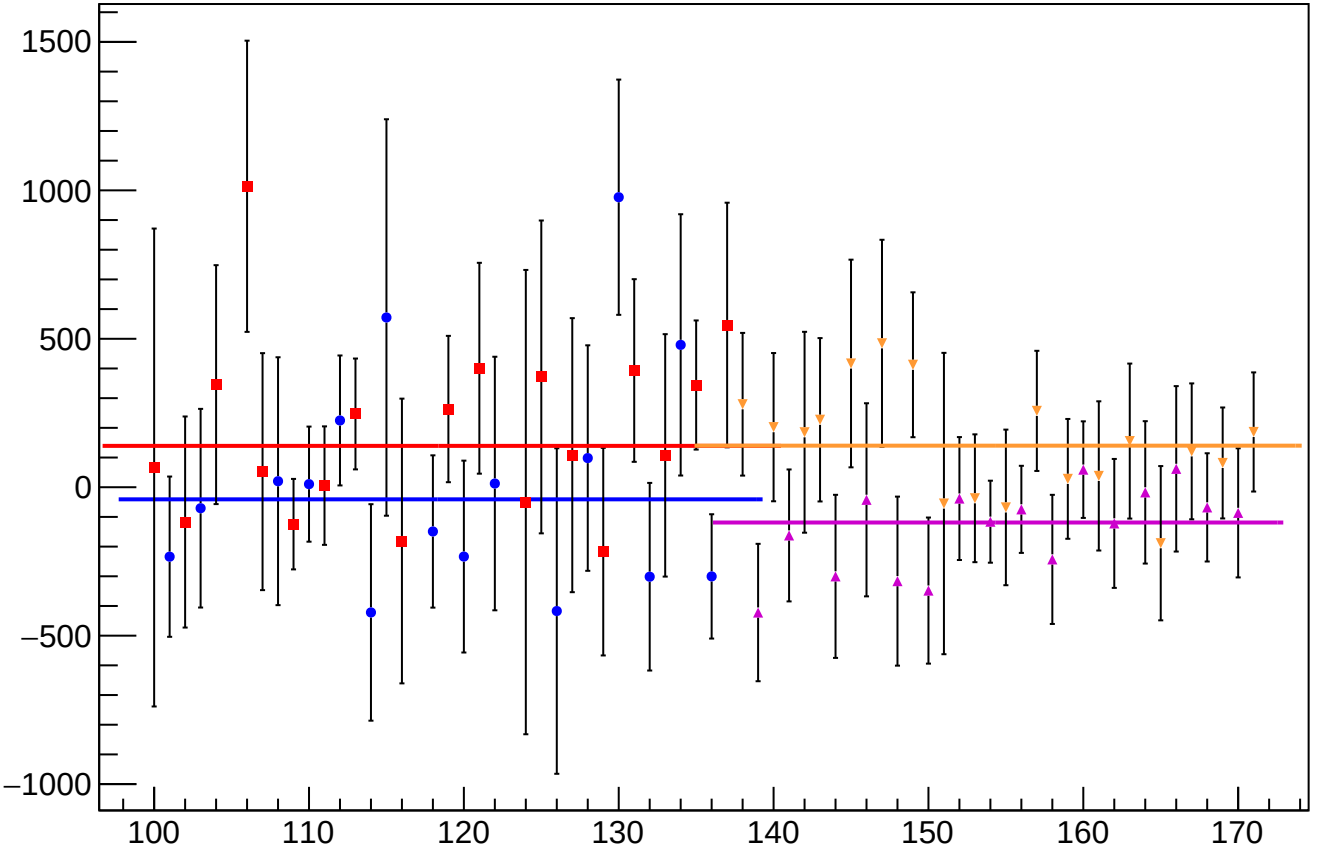
Left In: 177.149+/-0.036 χ^2/NDF:1507967.5/15

+ sign 204.664+/-0.033 χ^2/NDF: 2313547.1/33

All: 188.168+/-0.022 χ^2/NDF: 5941588.8/68

- sign 175.084+/-0.029 χ^2/NDF: 3169758.7/34

asym_bcm_an_ds3_mean vs Slug



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 140.005+/-58.187 χ^2/NDF:7.4/17

Right Out: 139.292+/-68.459 χ^2/NDF: 12.9/18

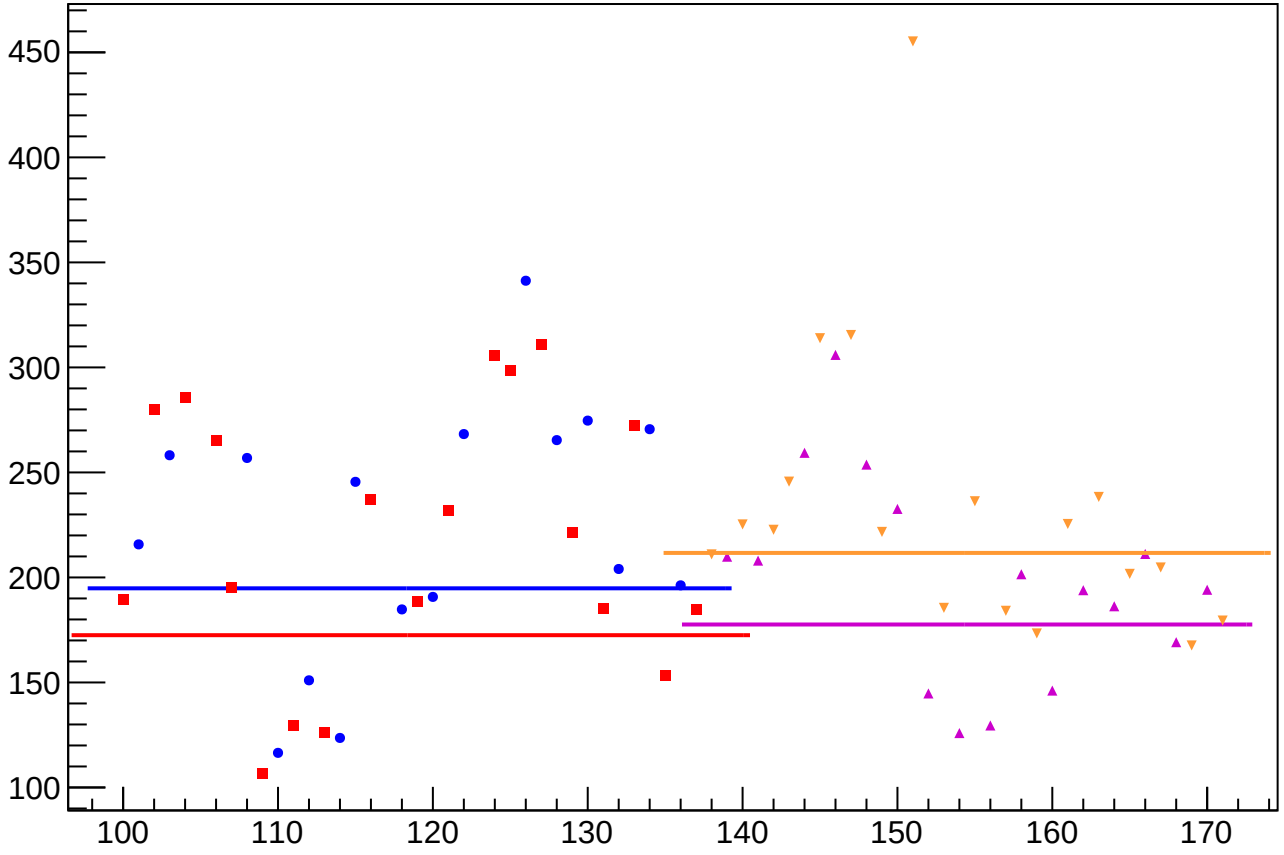
Left In: -118.877+/-51.685 χ^2/NDF:6.1/15

+ sign 73.828+/-46.330 χ^2/NDF: 26.3/33

All: 18.618+/-30.808 χ^2/NDF: 56.9/68

- sign -25.148+/-41.249 χ^2/NDF: 28.0/34

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.677+/-0.041 χ^2/NDF:1200914.6/17

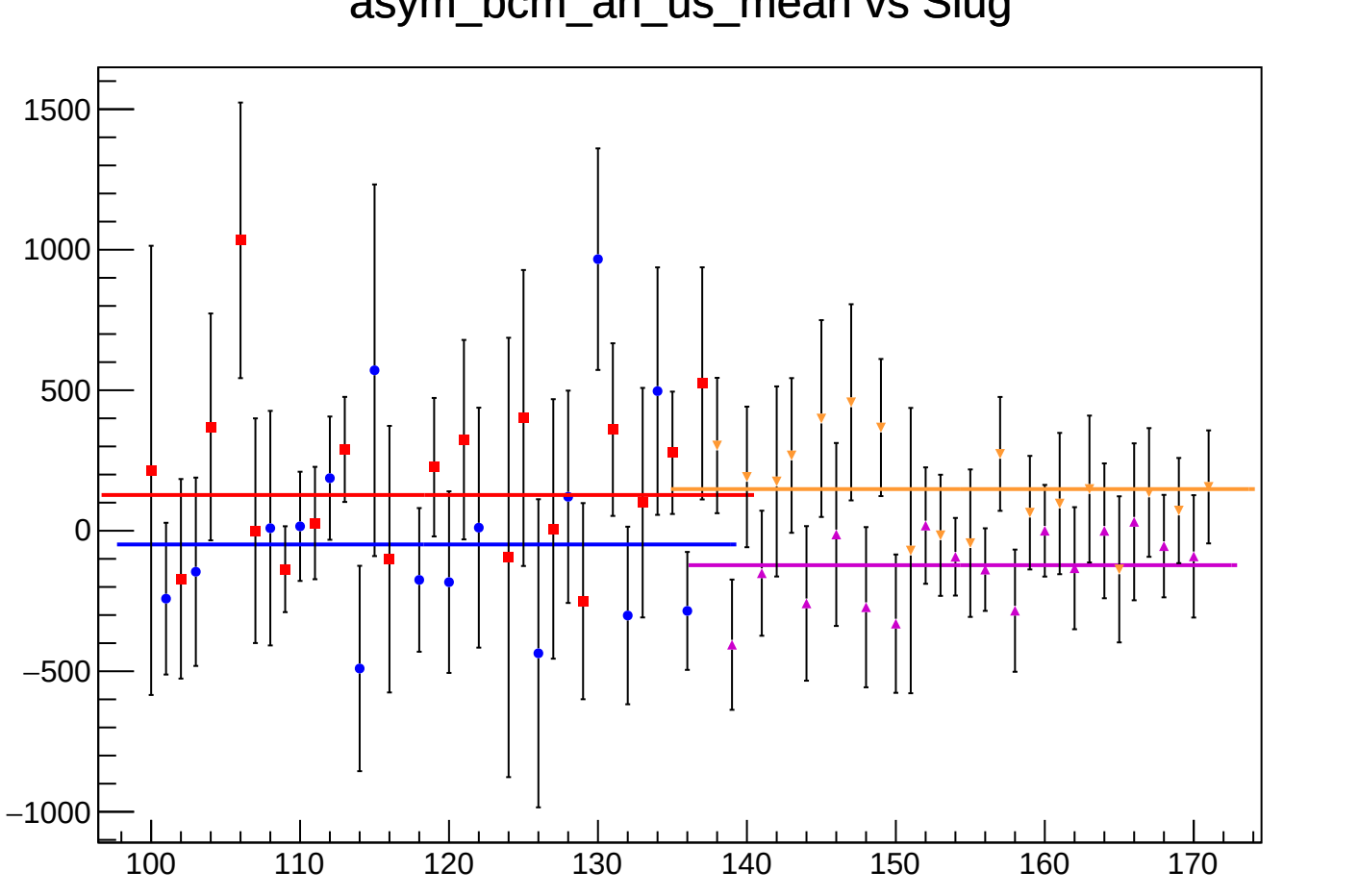
Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 177.594+/-0.037 χ^2/NDF:1511282.0/15

+ sign 205.507+/-0.033 χ^2/NDF: 2301454.5/33

All: 188.906+/-0.022 χ^2/NDF: 5922146.2/68

- sign 175.747+/-0.029 χ^2/NDF: 3160375.9/34



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.234+/-58.247 χ^2/NDF:6.0/17

Right Out: 127.249+/-68.506 χ^2/NDF: 12.9/18

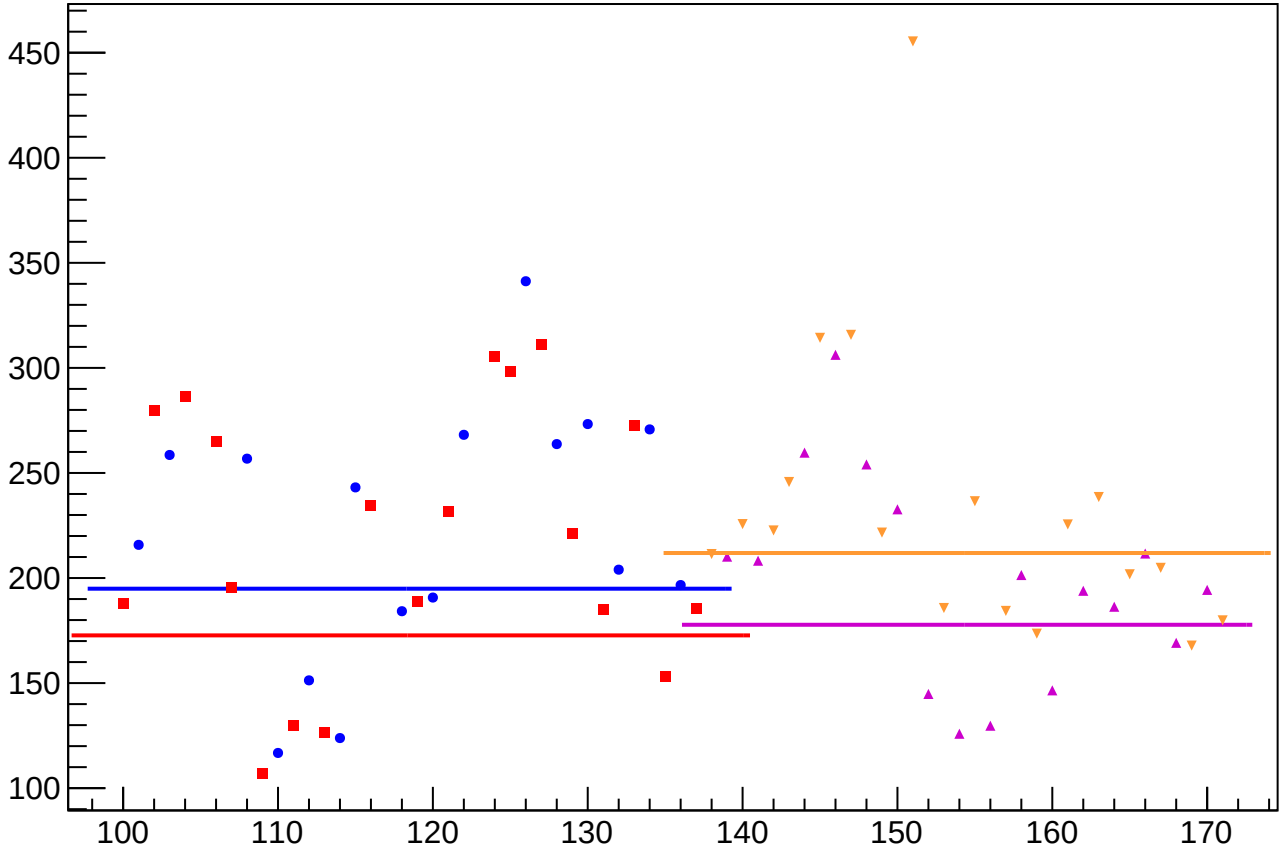
Left In: -122.538+/-51.731 χ^2/NDF:5.2/15

+ sign 76.054+/-46.363 χ^2/NDF: 25.6/33

All: 15.880+/-30.832 χ^2/NDF: 55.2/68

- sign -31.829+/-41.283 χ^2/NDF: 26.5/34

asym_bcm_an_us_rms vs Slug



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.907+/-0.041 χ^2/NDF:1198853.2/17

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

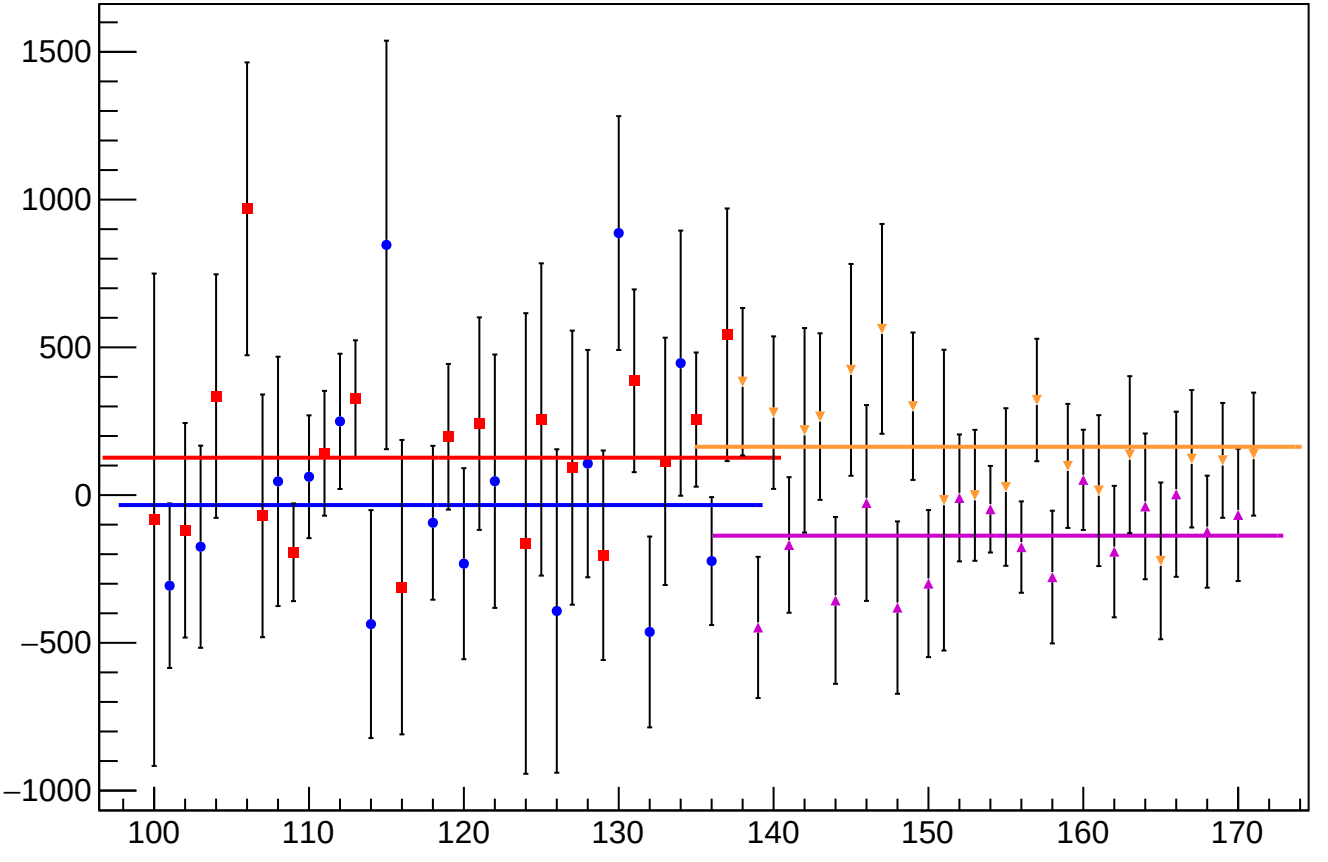
Left In: 177.752+/-0.037 χ^2/NDF:1511104.1/15

+ sign 205.684+/-0.033 χ^2/NDF: 2290067.6/33

All: 189.082+/-0.022 χ^2/NDF: 5899219.8/68

- sign 175.919+/-0.029 χ^2/NDF: 3149369.8/34

asym_bcm_dg_us_mean vs Slug



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 163.483+/-59.779 χ^2/NDF:7.4/17

Right Out: 126.563+/-71.309 χ^2/NDF: 12.7/18

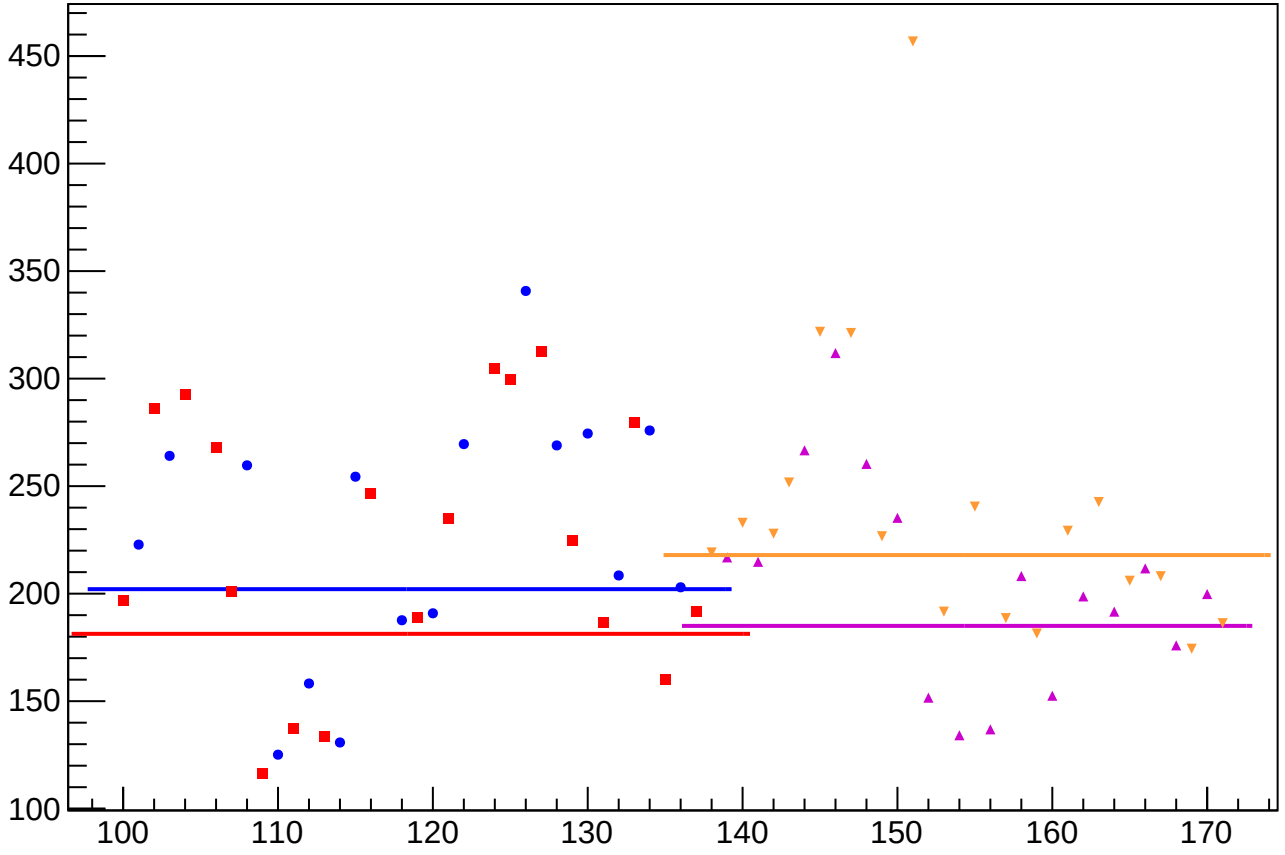
Left In: -137.371+/-53.607 χ^2/NDF:6.5/15

+ sign 91.671+/-47.669 χ^2/NDF: 27.1/33

All: 17.701+/-31.867 χ^2/NDF: 59.4/68

- sign -42.070+/-42.850 χ^2/NDF: 28.0/34

asym_bcm_dg_us_rms vs Slug



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.947+/-0.042 χ^2/NDF:1135559.6/17

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

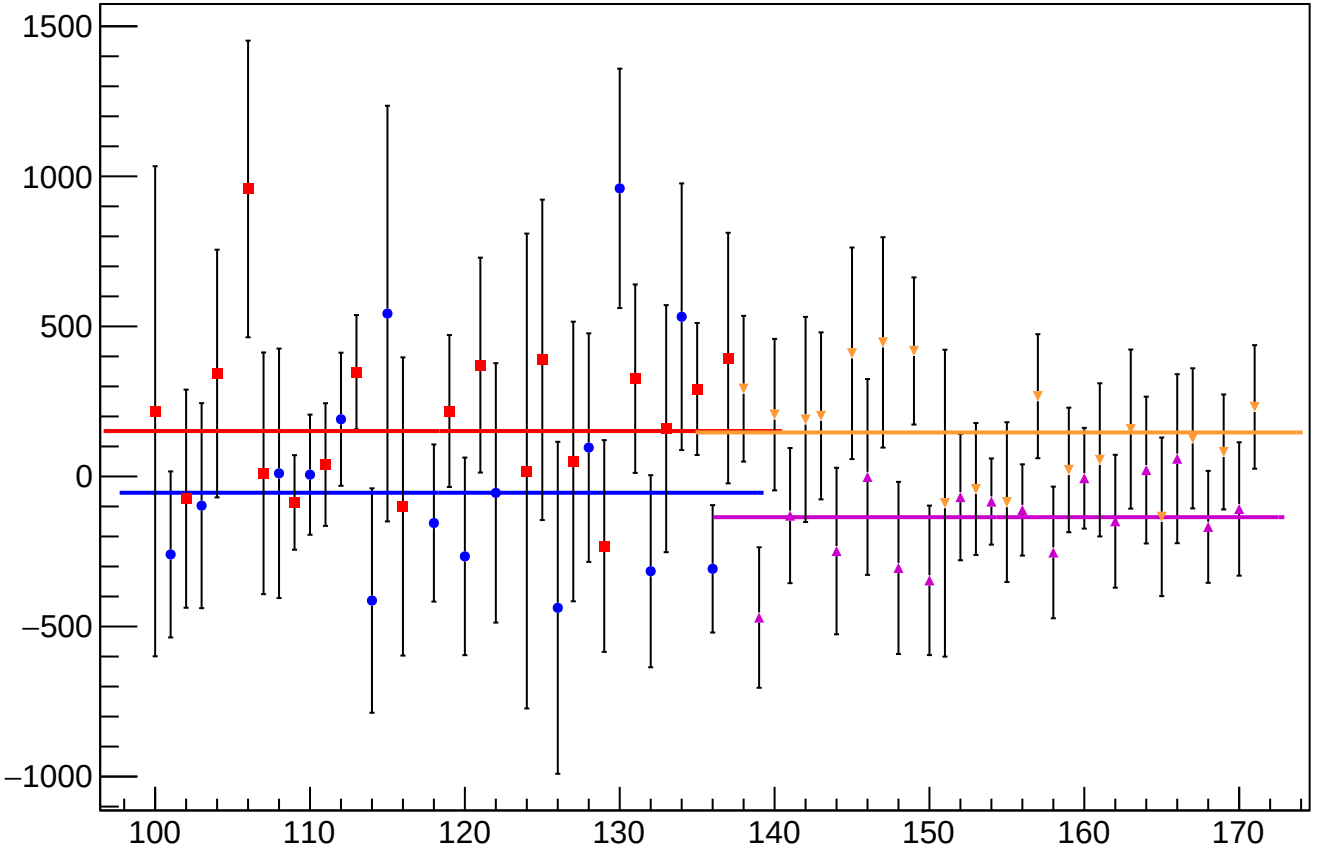
Left In: 185.011+/-0.038 χ^2/NDF:1362888.1/15

+ sign 212.173+/-0.034 χ^2/NDF: 2097059.4/33

All: 196.411+/-0.023 χ^2/NDF: 5299707.6/68

- sign 183.676+/-0.030 χ^2/NDF: 2807316.4/34

asym_bcm_dg_ds_mean vs Slug



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 146.731+/-59.196 χ^2/NDF:7.0/17

Right Out: 151.358+/-69.902 χ^2/NDF: 10.2/18

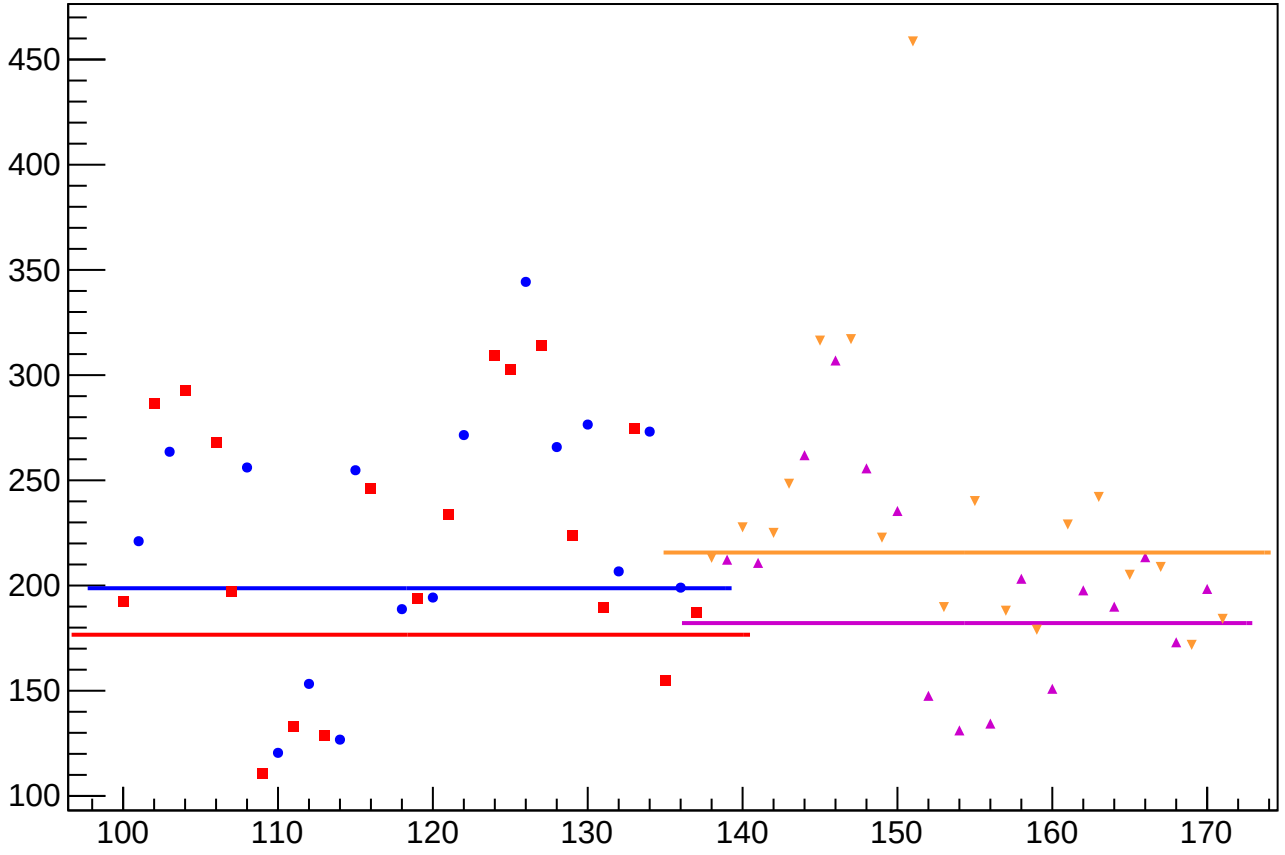
Left In: -135.640+/-52.852 χ^2/NDF:5.5/15

+ sign 73.213+/-47.142 χ^2/NDF: 26.2/33

All: 15.169+/-31.425 χ^2/NDF: 55.5/68

- sign -31.250+/-42.158 χ^2/NDF: 26.5/34

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.685+/-0.042 χ^2/NDF:1142922.9/17

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

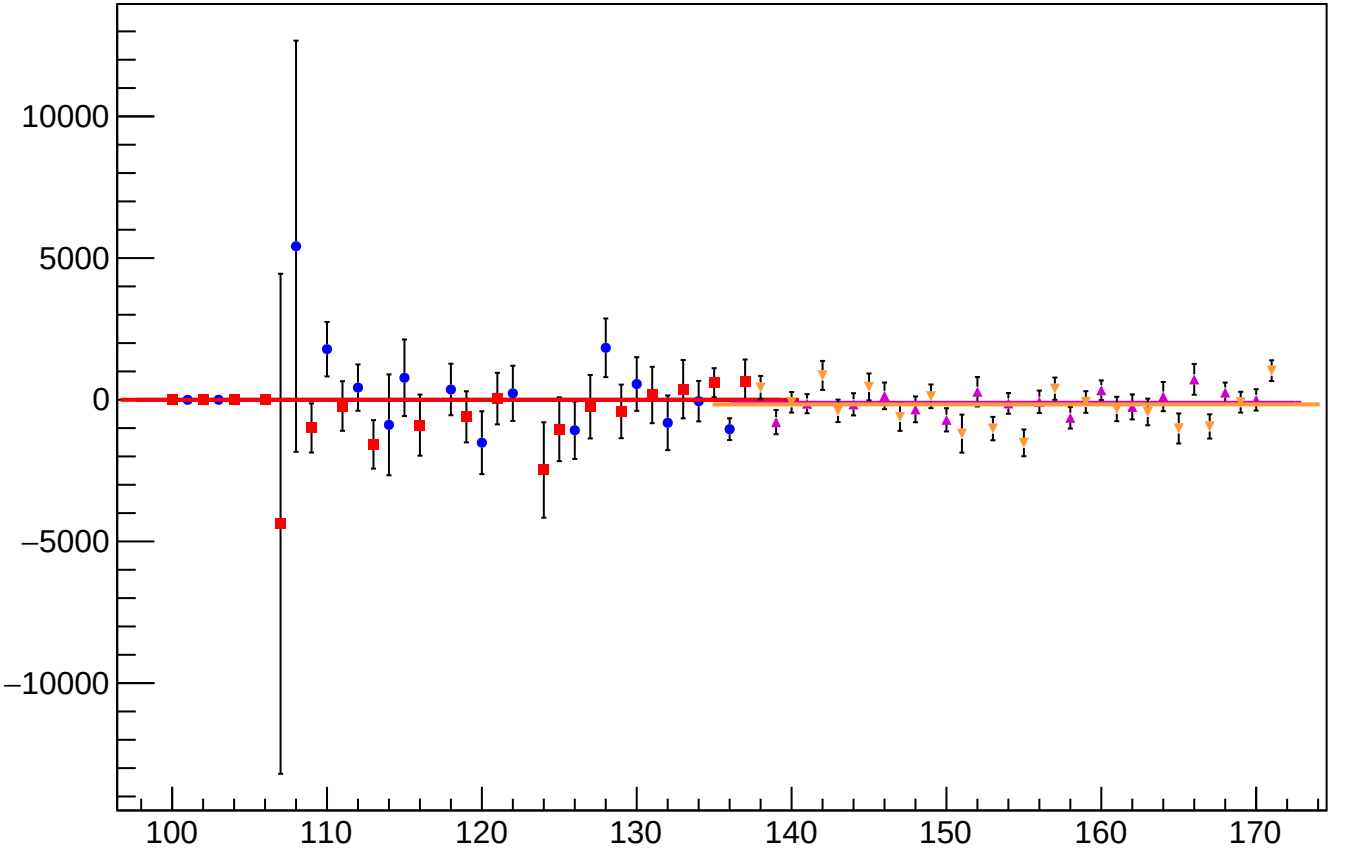
Left In: 182.152+/-0.037 χ^2/NDF:1390046.7/15

+ sign 209.479+/-0.033 χ^2/NDF: 2197094.0/33

All: 193.177+/-0.022 χ^2/NDF: 5621231.7/68

- sign 180.141+/-0.030 χ^2/NDF: 2993723.8/34

asym_cav4bQ_mean vs Slug



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -163.931+/-101.154 χ^2/NDF:43.3/17

Right Out: -1.377+/-2.022 χ^2/NDF: 16.8/18

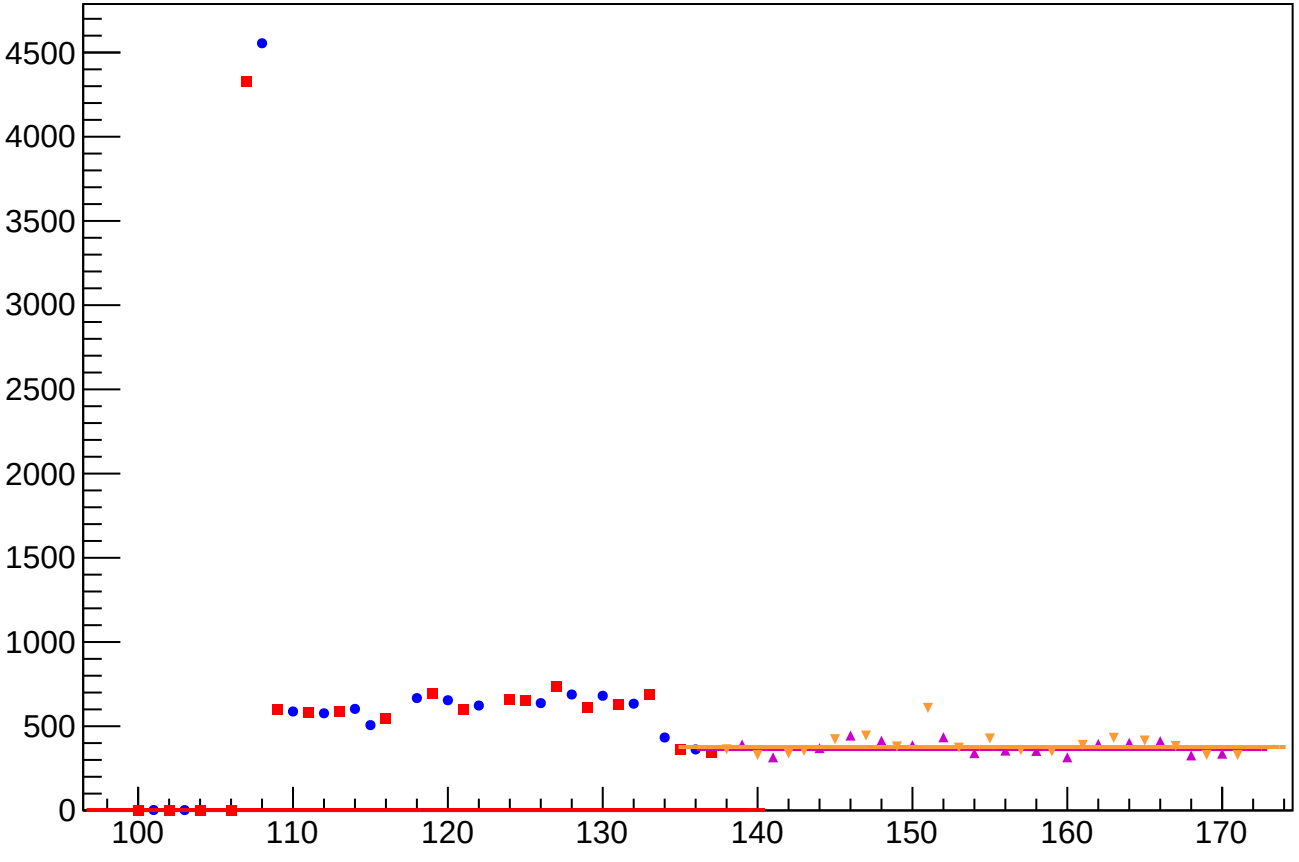
Left In: -105.777+/-101.836 χ^2/NDF:13.2/15

+ sign -1.314+/-2.170 χ^2/NDF: 65.8/33

All: -1.370+/-1.479 χ^2/NDF: 96.9/68

- sign -1.419+/-2.022 χ^2/NDF: 31.1/34

asym_cav4bQ_rms vs Slug



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 376.426+/-0.072 χ^2/NDF:492538.6/17

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

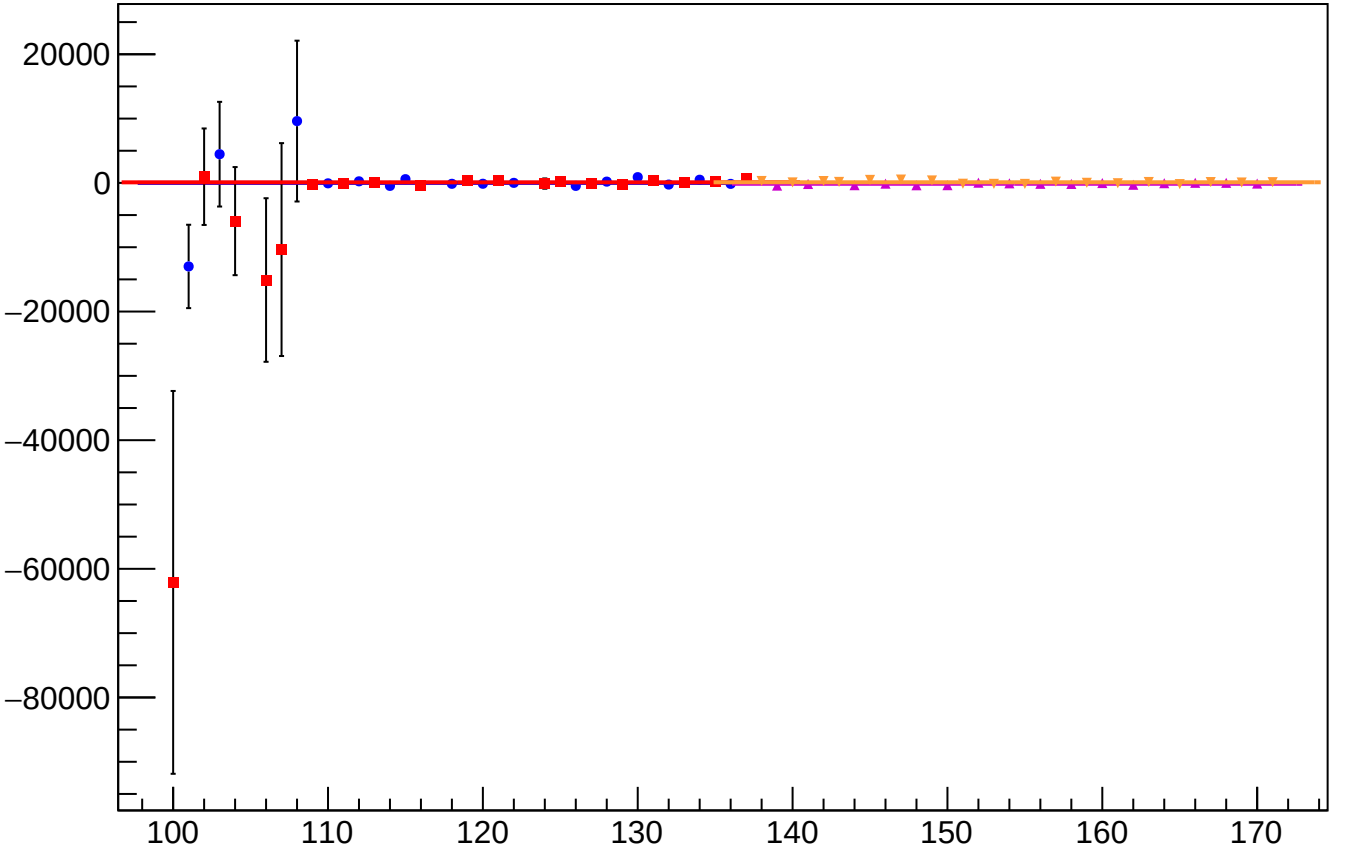
Left In: 364.402+/-0.072 χ^2/NDF:295414.9/15

+ sign 2.649+/-0.002 χ^2/NDF: 39439381.5/33

All: 2.625+/-0.001 χ^2/NDF: 76534369.4/68

- sign 2.605+/-0.001 χ^2/NDF: 37094548.1/34

asym_cav4cQ_mean vs Slug



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 98.736+/-61.753 χ^2/NDF:8.3/17

Right Out: 88.089+/-81.605 χ^2/NDF: 14.9/18

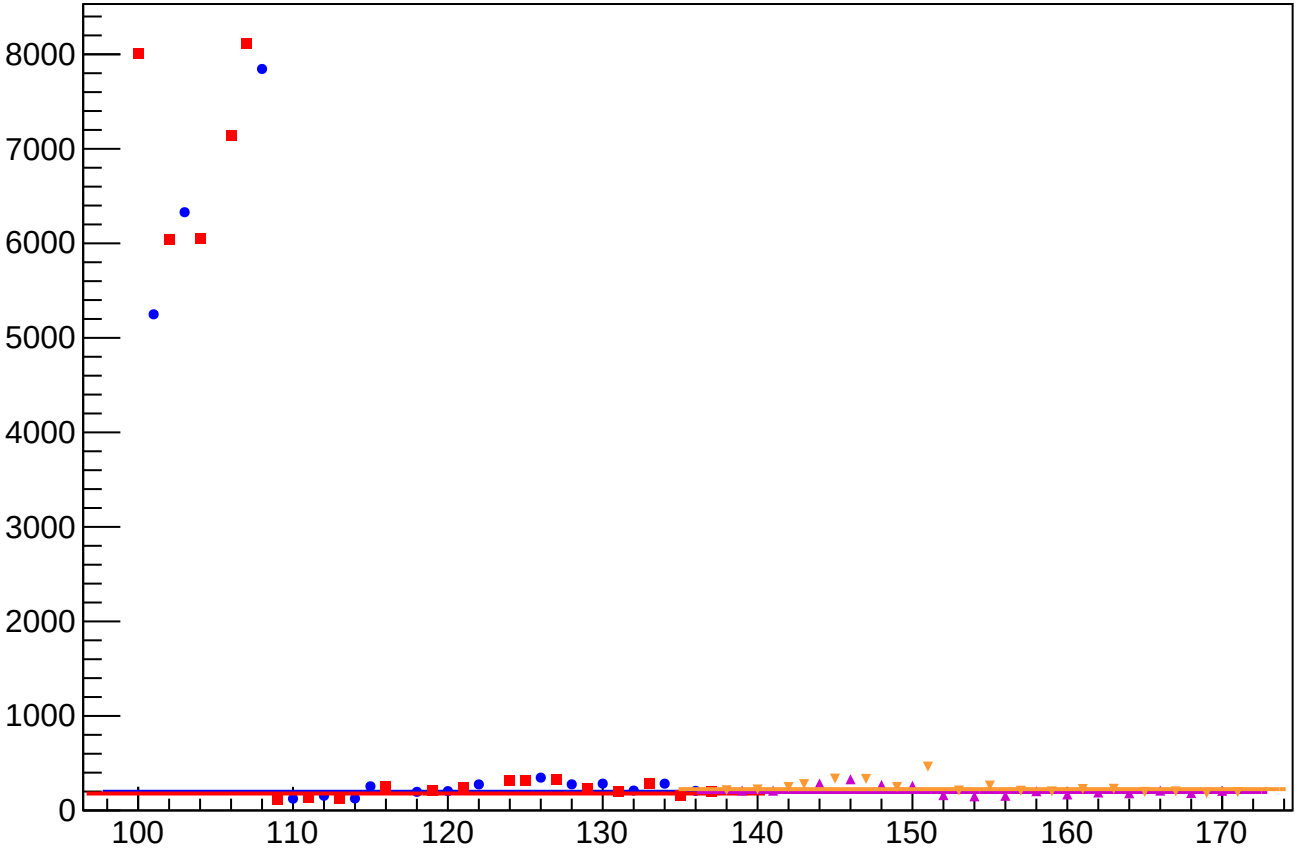
Left In: -135.295+/-56.201 χ^2/NDF:5.9/15

+ sign 66.260+/-50.515 χ^2/NDF: 26.0/33

All: -4.240+/-34.126 χ^2/NDF: 55.4/68

- sign -63.430+/-46.286 χ^2/NDF: 25.9/34

asym_cav4cQ_rms vs Slug



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.440+/-0.044 χ^2/NDF:1122961.4/17

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

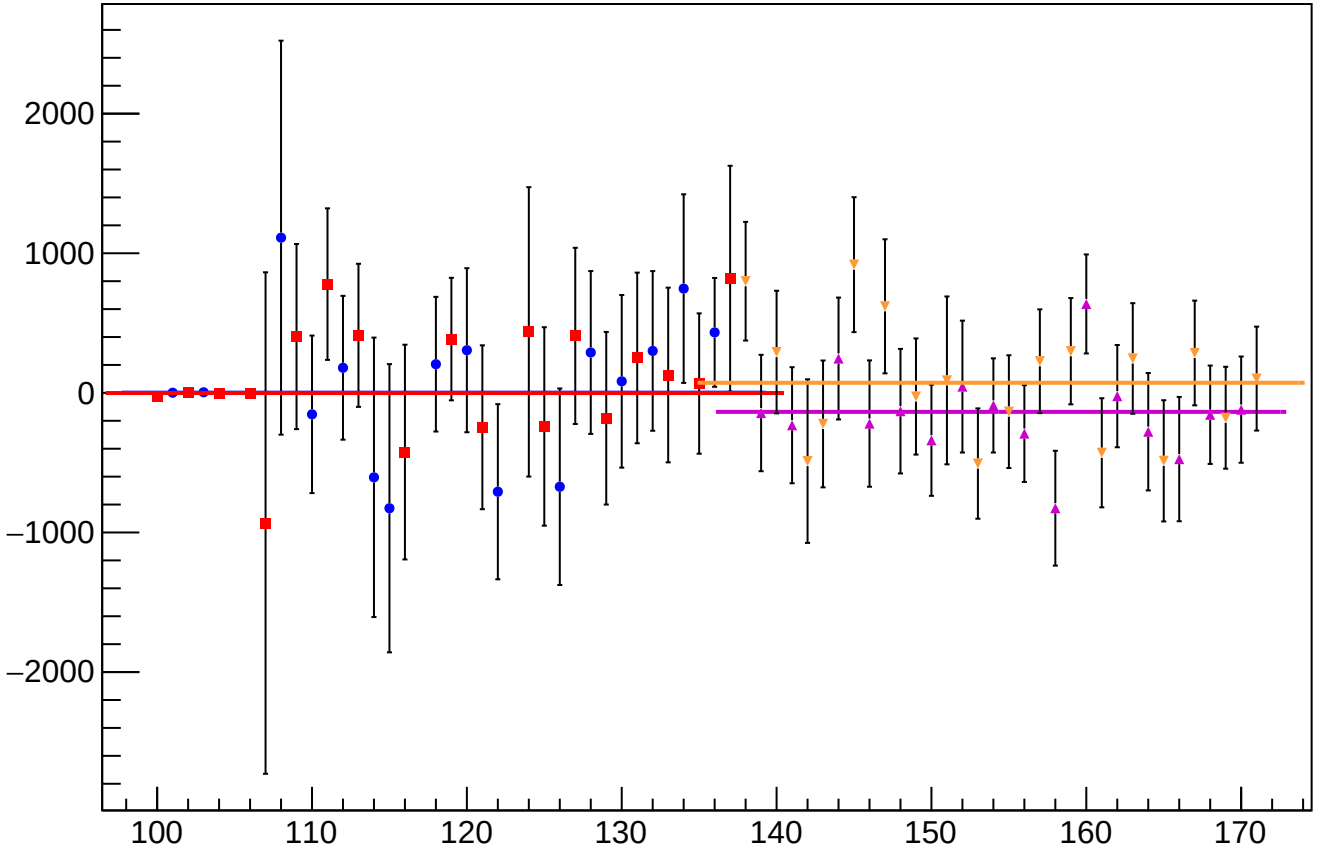
Left In: 195.226+/-0.040 χ^2/NDF:1087999.9/15

+ sign 216.236+/-0.036 χ^2/NDF: 5214452.8/33

All: 202.021+/-0.024 χ^2/NDF: 11064209.1/68

- sign 190.087+/-0.033 χ^2/NDF: 5558420.4/34

asym_cav4dQ_mean vs Slug



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.353+/-98.825 χ^2/NDF:16.2/17

Right Out: -1.094+/-1.528 χ^2/NDF: 9.2/18

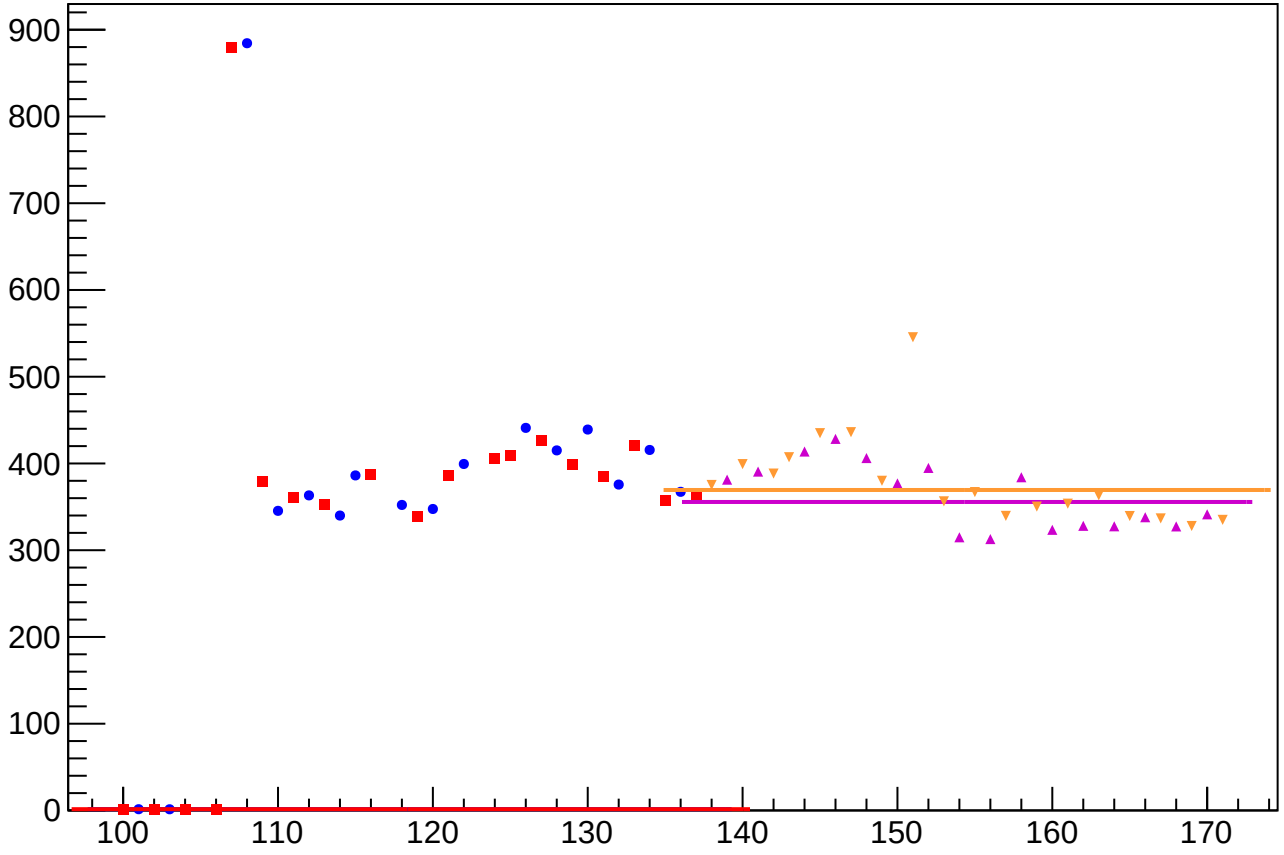
Left In: -136.041+/-99.211 χ^2/NDF:9.8/15

+ sign 1.476+/-1.660 χ^2/NDF: 24.6/33

All: 0.067+/-1.124 χ^2/NDF: 46.8/68

- sign -1.126+/-1.528 χ^2/NDF: 20.8/34

asym_cav4dQ_rms vs Slug



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 369.432+/-0.070 χ^2/NDF:365425.6/17

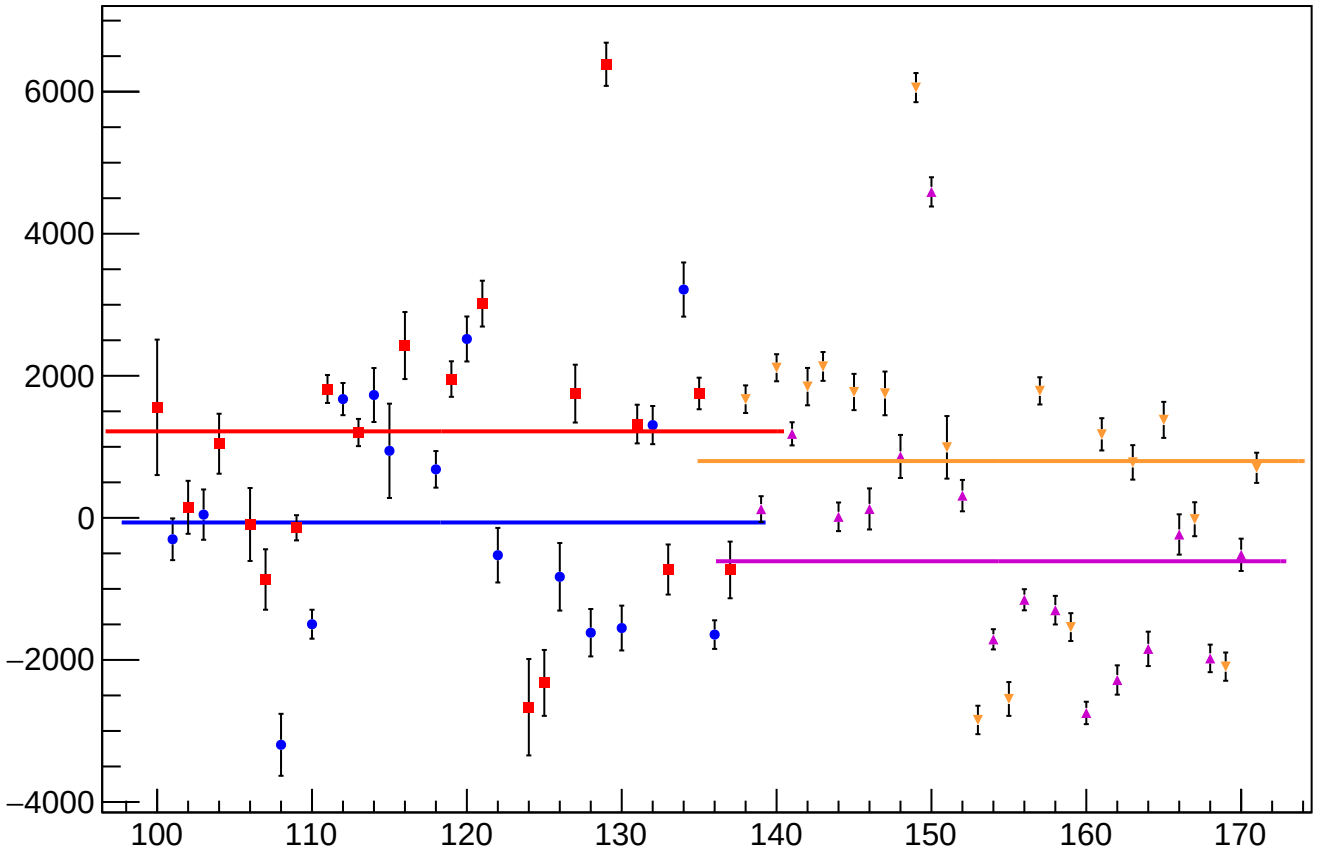
Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 355.609+/-0.070 χ^2/NDF:278818.7/15

+ sign 1.574+/-0.001 χ^2/NDF: 39820064.0/33

All: 1.562+/-0.001 χ^2/NDF: 76847224.6/68

- sign 1.551+/-0.001 χ^2/NDF: 37026954.7/34



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 799.597+/-52.688 χ^2/NDF:1737.3/17

Right Out: 1217.846+/-69.022 χ^2/NDF: 594.6/18

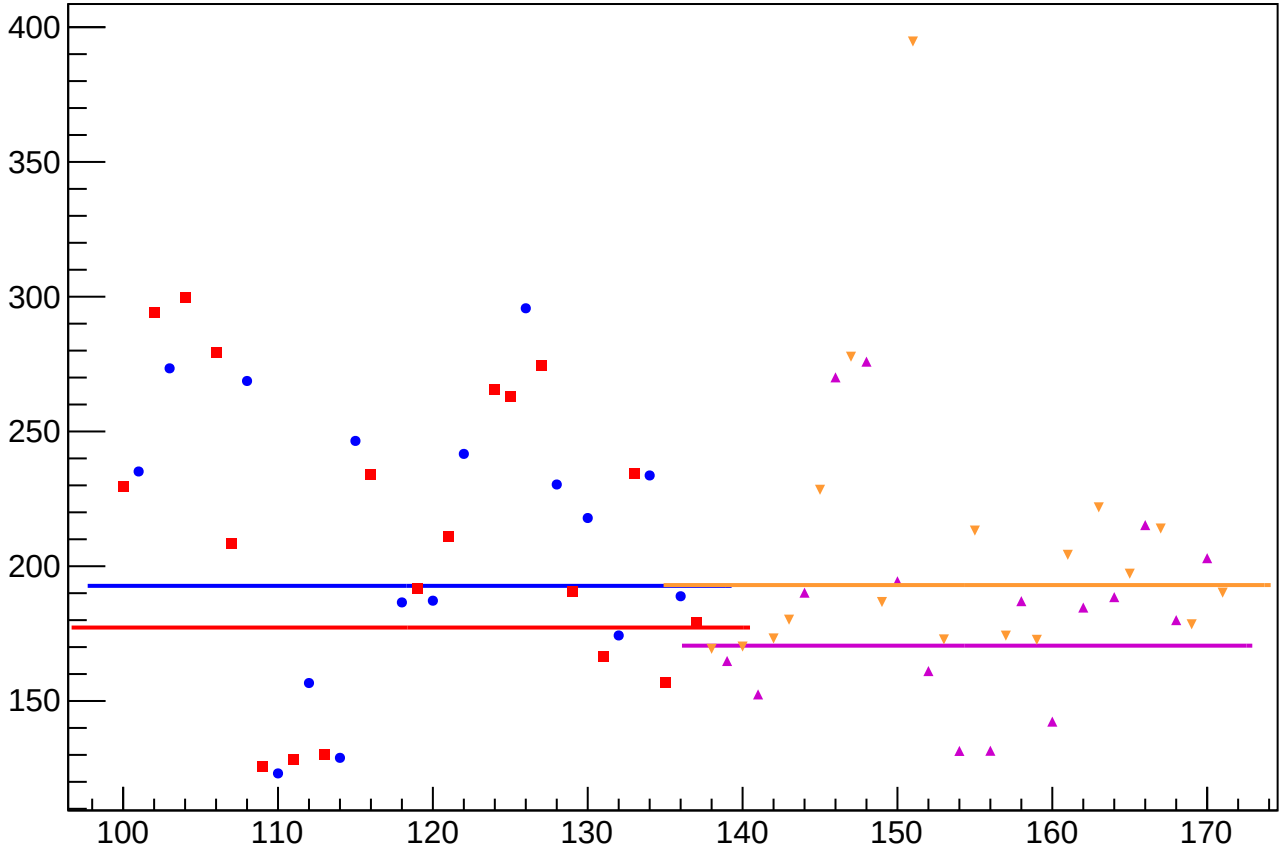
Left In: -610.823+/-48.933 χ^2/NDF:1243.0/15

+ sign 513.364+/-43.093 χ^2/NDF: 2296.0/33

All: 237.542+/-29.285 χ^2/NDF: 4676.8/68

- sign 0.854+/-39.919 χ^2/NDF: 2304.7/34

asym_bcm0l02_rms vs Slug



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.009+/-0.037 χ^2/NDF:824249.7/17

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

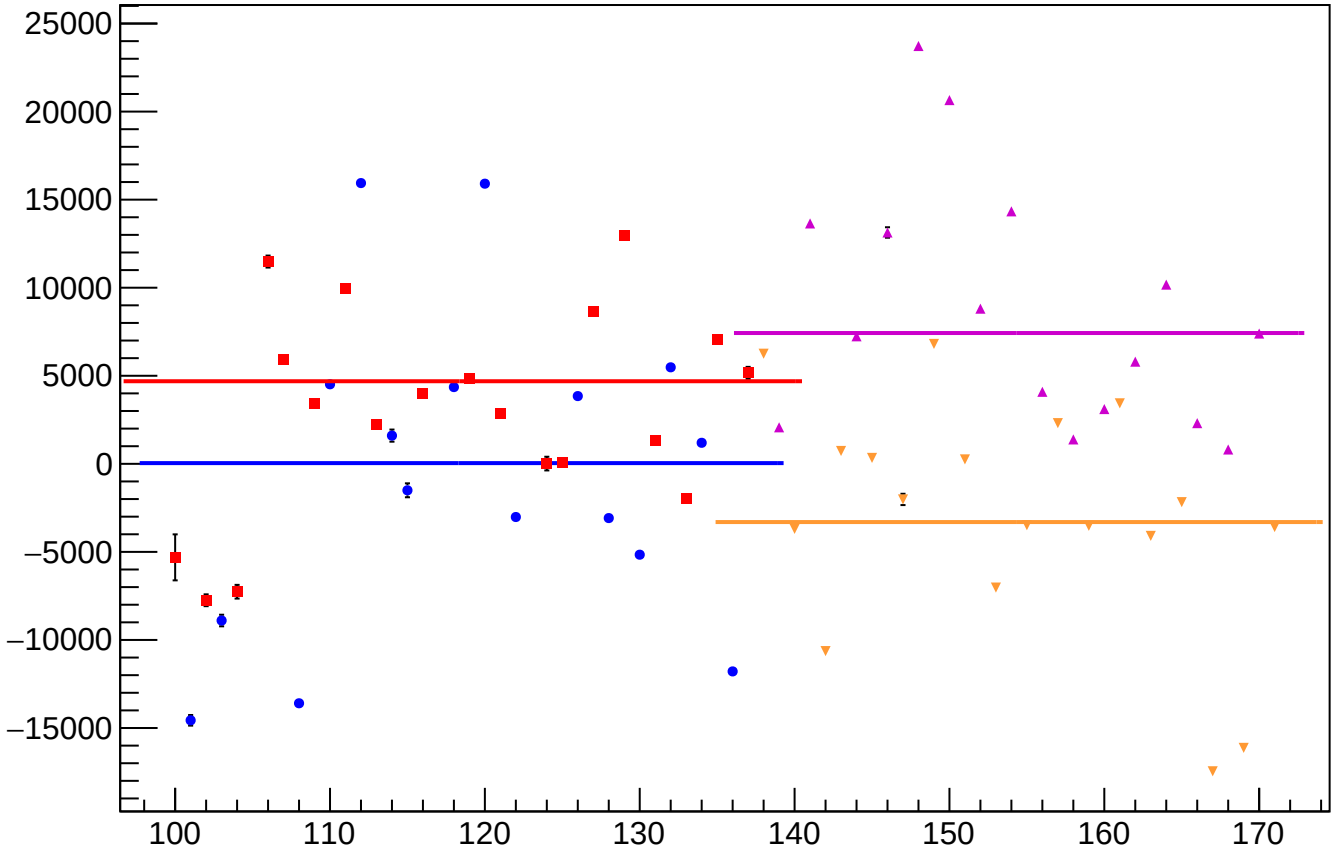
Left In: 170.527+/-0.035 χ^2/NDF:1035803.7/15

+ sign 192.913+/-0.030 χ^2/NDF: 1583416.1/33

All: 182.076+/-0.021 χ^2/NDF: 4093056.2/68

- sign 172.776+/-0.028 χ^2/NDF: 2274615.4/34

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3306.194+/-45.499 χ^2/NDF:20112.5/17

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

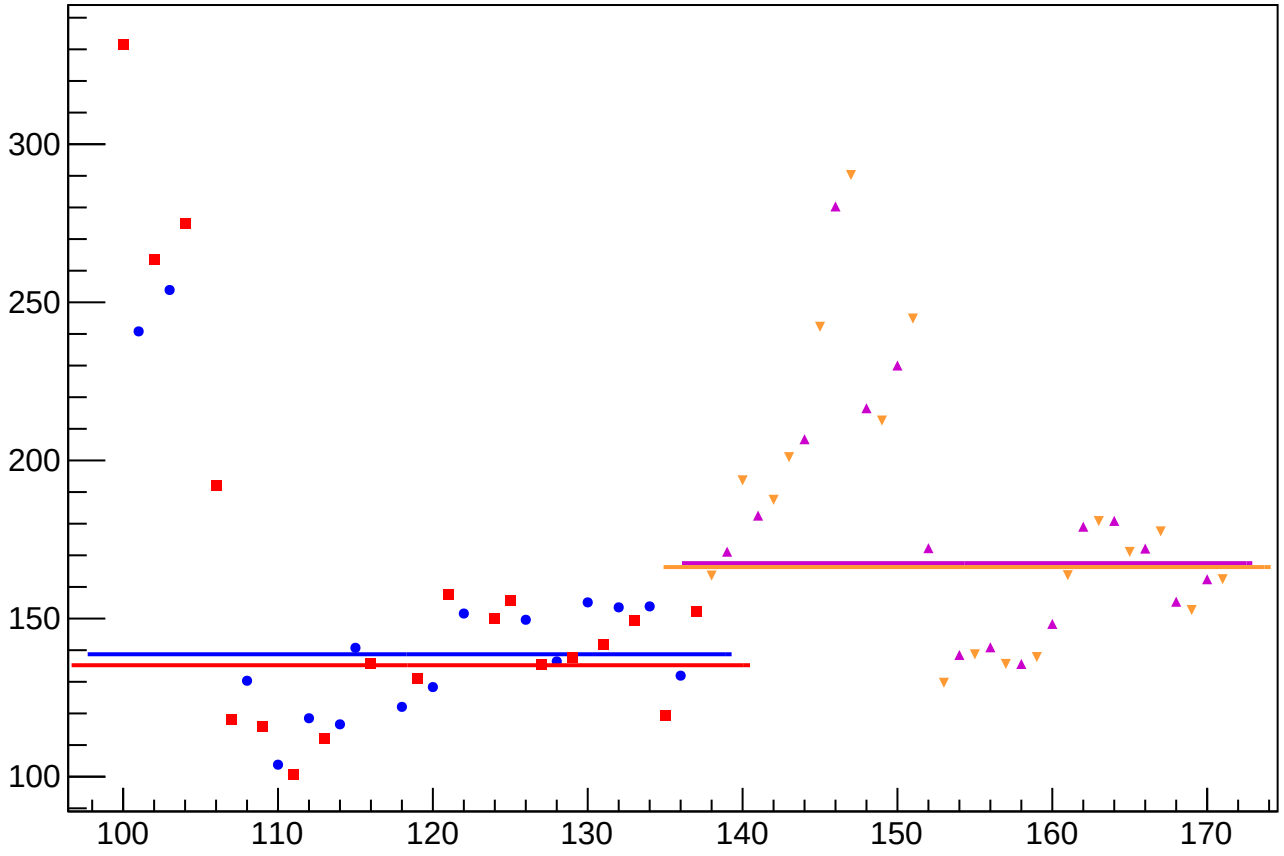
Left In: 7427.090+/-47.770 χ^2/NDF:16829.9/15

+ sign -1922.497+/-34.848 χ^2/NDF: 53136.0/33

All: 2085.406+/-24.768 χ^2/NDF: 105992.2/68

- sign 6176.726+/-35.208 χ^2/NDF: 26125.4/34

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.282+/-0.032 χ^2/NDF:1158213.0/17

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

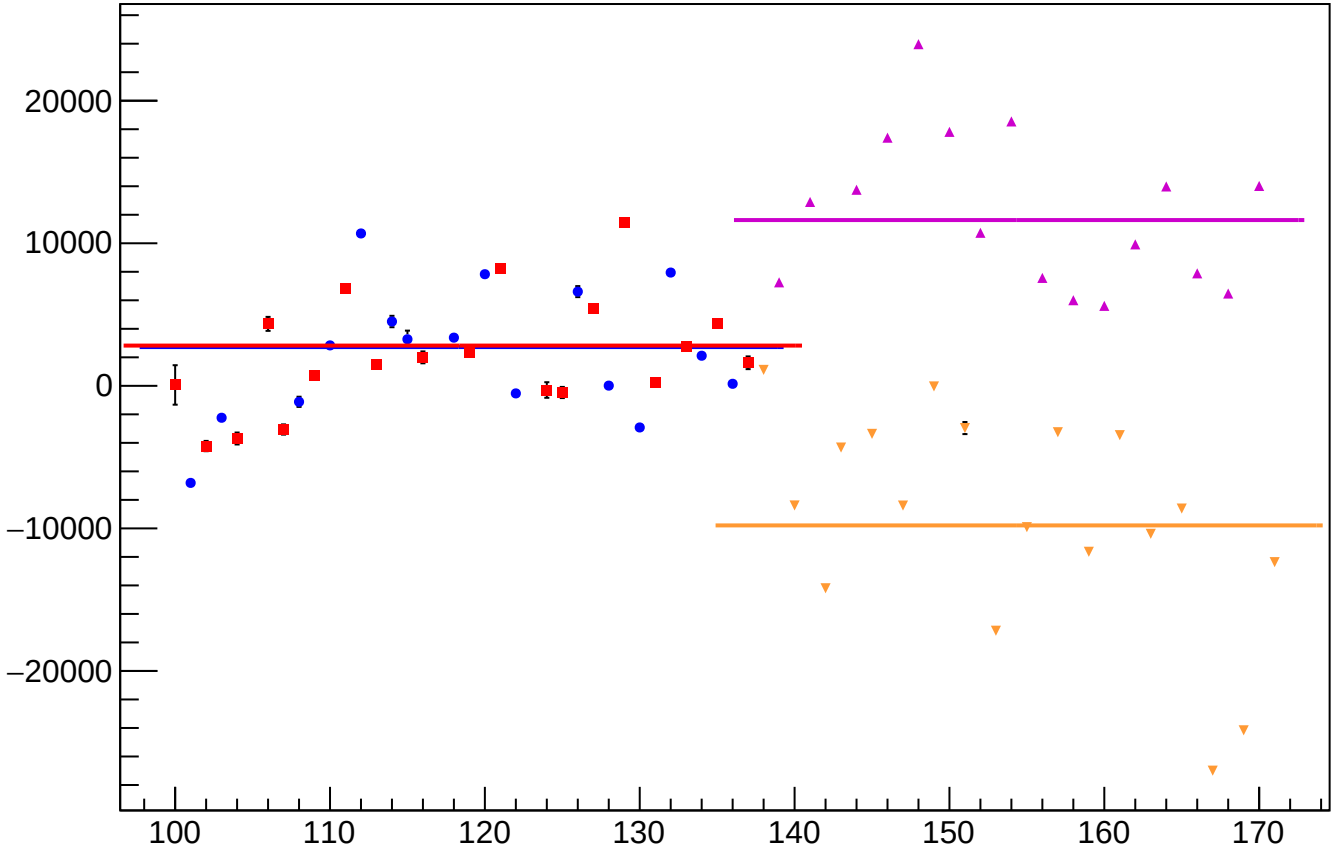
Left In: 167.522+/-0.034 χ^2/NDF:860138.1/15

+ sign 154.885+/-0.025 χ^2/NDF: 2119592.3/33

All: 153.843+/-0.018 χ^2/NDF: 4290442.0/68

- sign 152.779+/-0.025 χ^2/NDF: 2167235.7/34

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9790.510+/-53.302 χ^2/NDF:21756.8/17

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

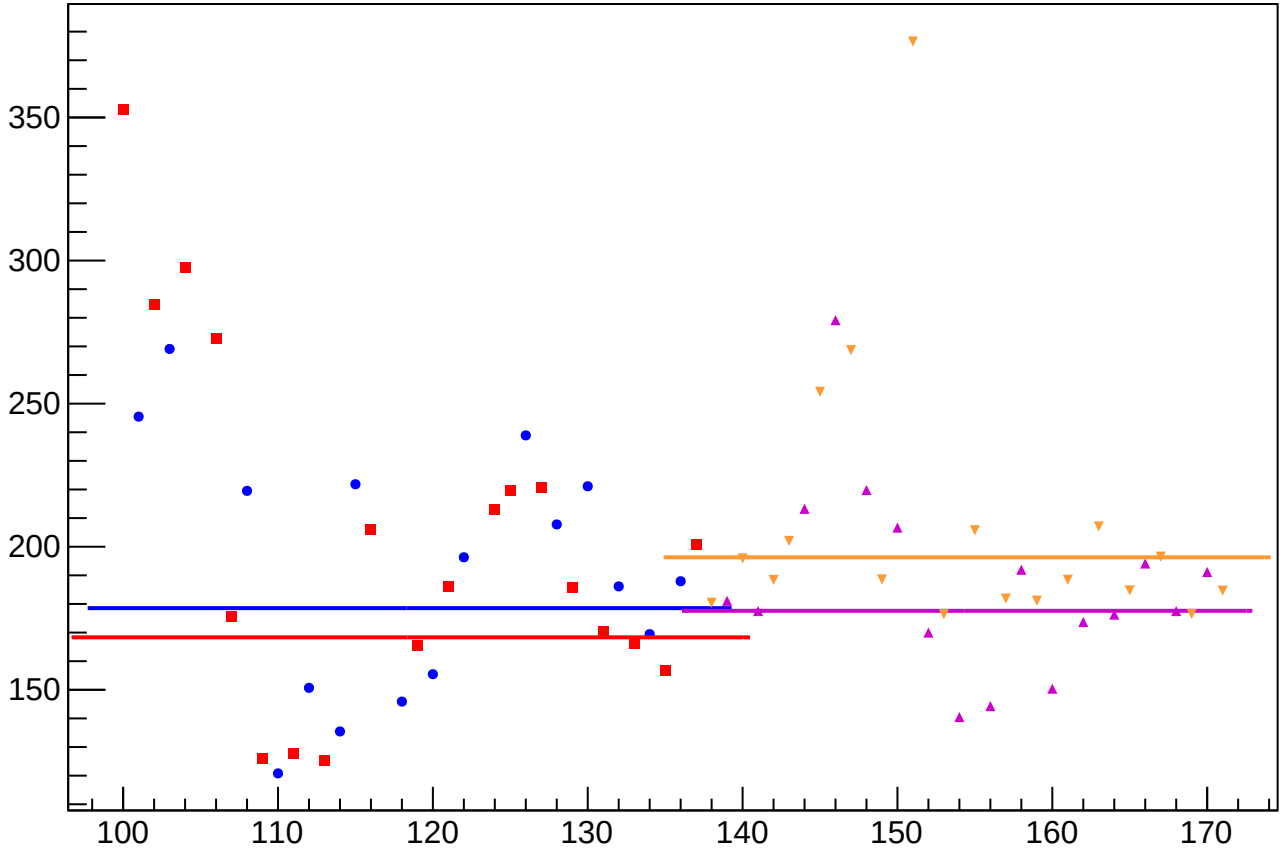
Left In: 11628.579+/-50.533 χ^2/NDF:10328.5/15

+ sign -5135.925+/-42.238 χ^2/NDF: 46381.7/33

All: 1972.024+/-28.990 χ^2/NDF: 124782.0/68

- sign 8302.135+/-39.860 χ^2/NDF: 24861.2/34

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.298+/-0.038 χ^2/NDF:664071.1/17

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

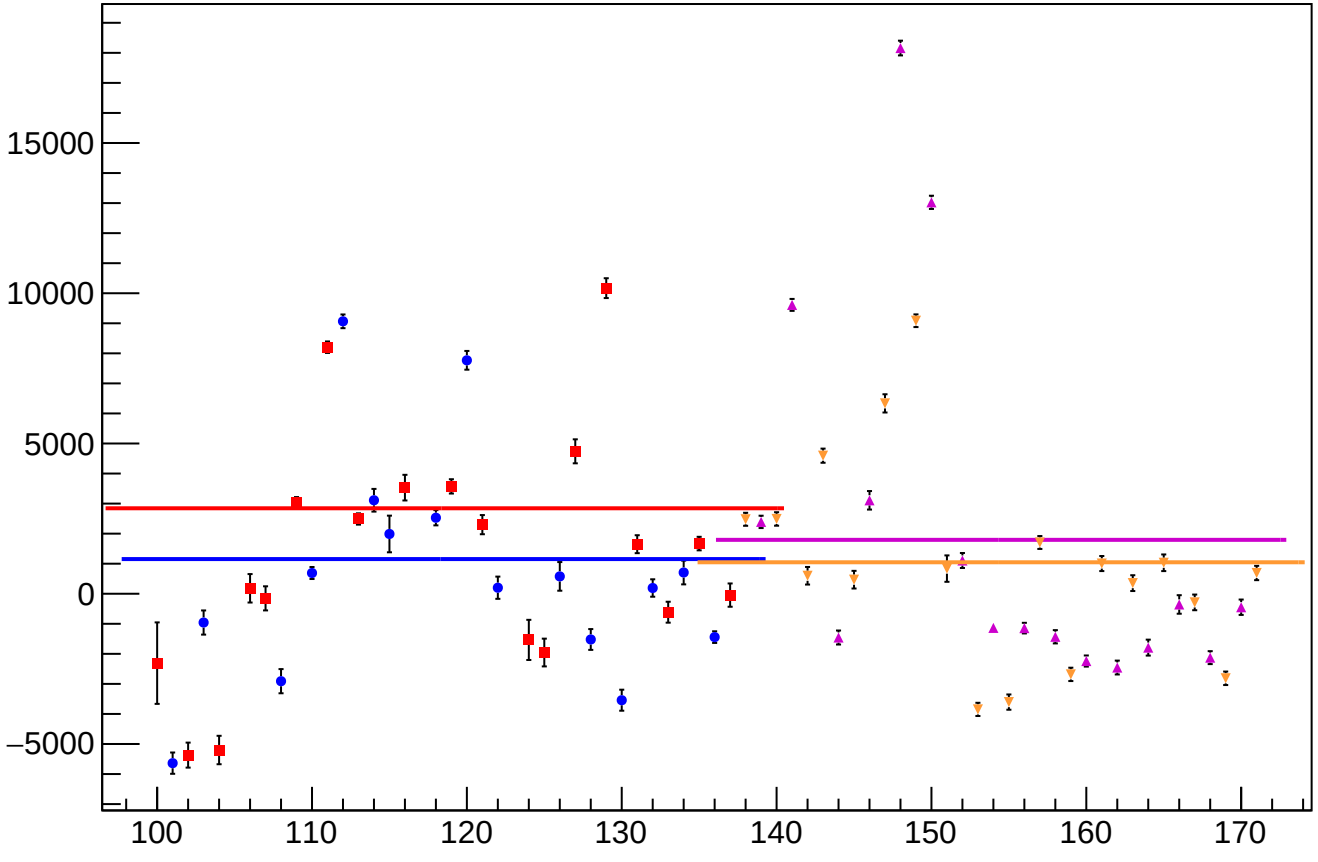
Left In: 177.604+/-0.036 χ^2/NDF:665934.4/15

+ sign 189.692+/-0.030 χ^2/NDF: 1421223.7/33

All: 181.446+/-0.020 χ^2/NDF: 3236175.5/68

- sign 174.102+/-0.028 χ^2/NDF: 1670846.3/34

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1047.122+/-58.258 χ^2/NDF:3527.1/17

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

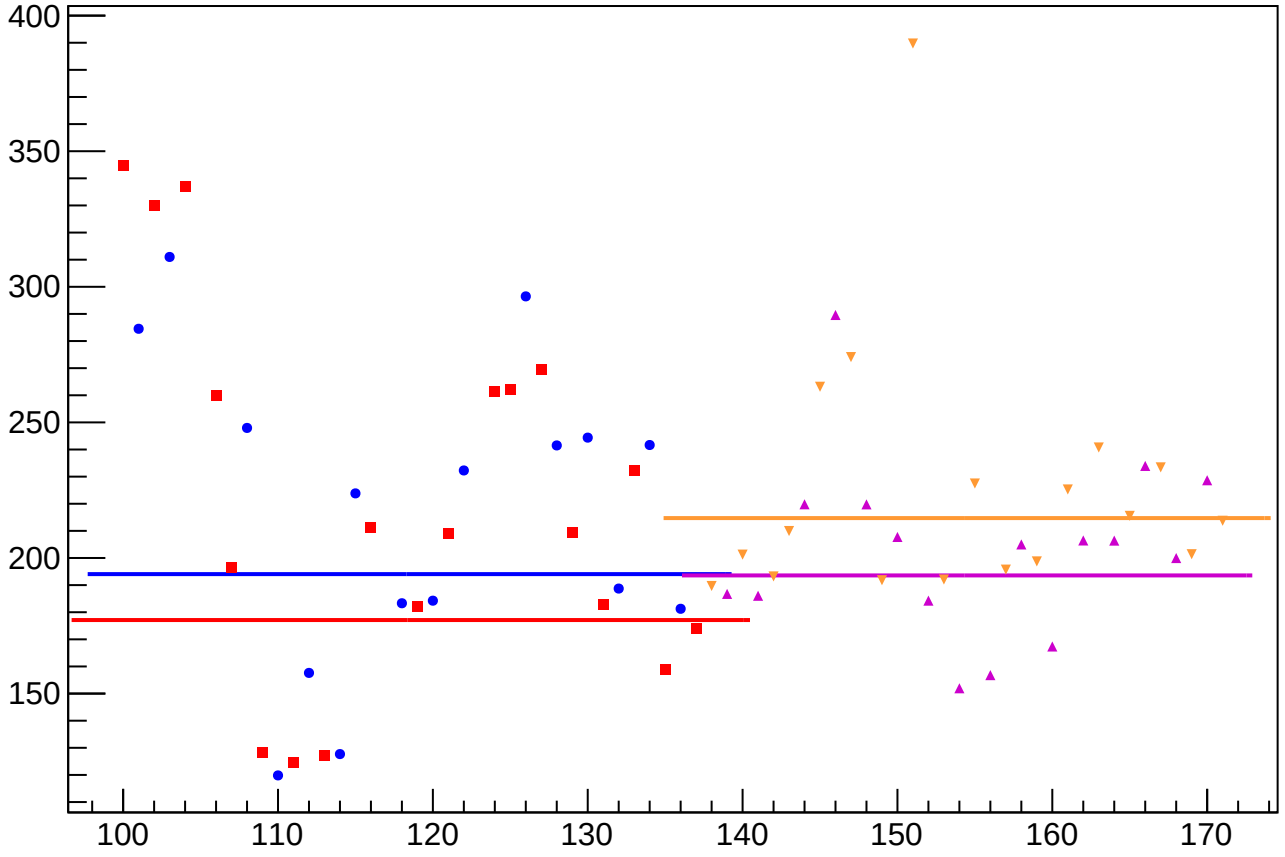
Left In: 1793.790+/-55.032 χ^2/NDF:11082.0/15

+ sign 1086.642+/-46.227 χ^2/NDF: 6183.7/33

All: 1683.358+/-31.507 χ^2/NDF: 20171.2/68

- sign 2201.059+/-43.057 χ^2/NDF: 13676.4/34

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.712+/-0.041 χ^2/NDF:609998.8/17

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

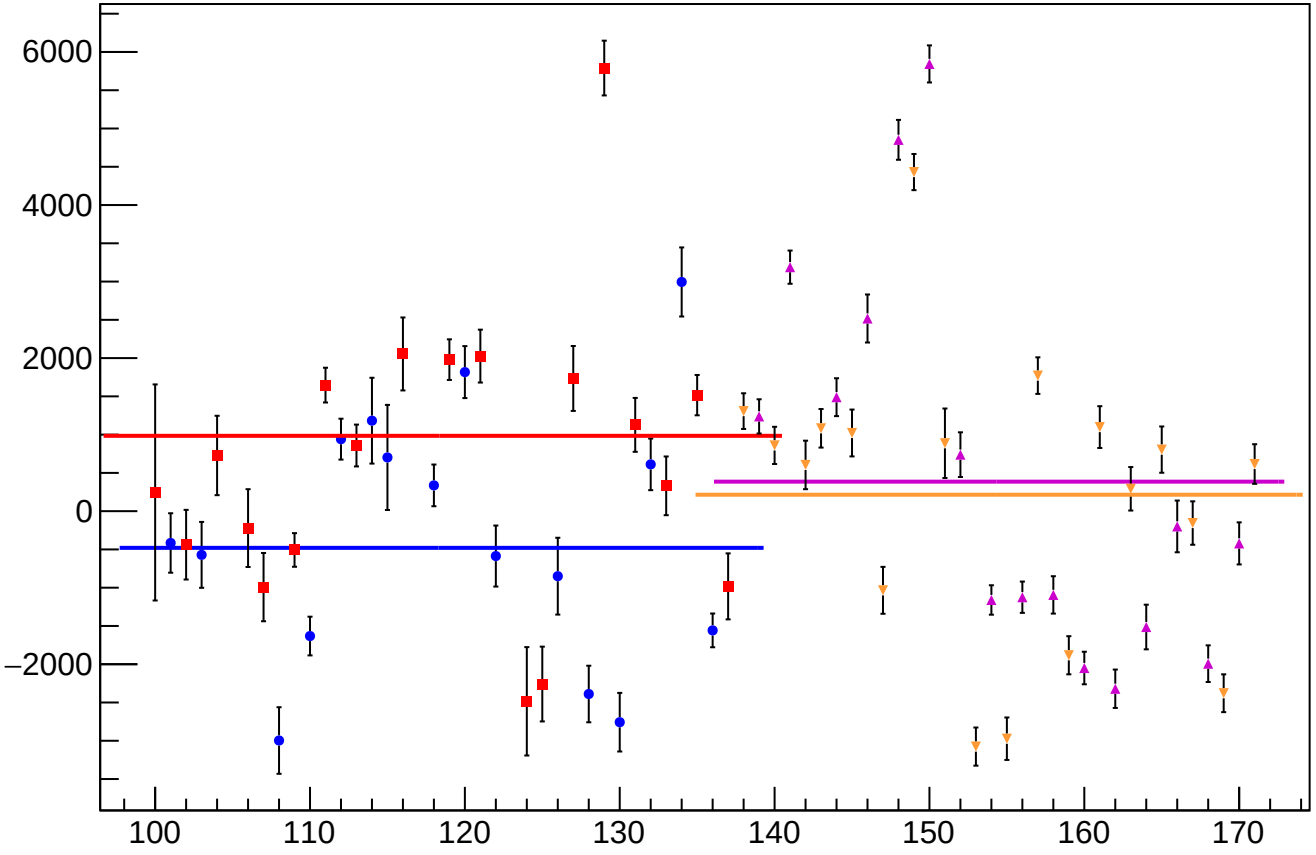
Left In: 193.571+/-0.039 χ^2/NDF:603152.3/15

+ sign 207.060+/-0.033 χ^2/NDF: 1668941.0/33

All: 196.420+/-0.022 χ^2/NDF: 3898694.4/68

- sign 187.189+/-0.030 χ^2/NDF: 2031853.8/34

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 214.749+/-63.457 χ^2/NDF:935.3/17

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

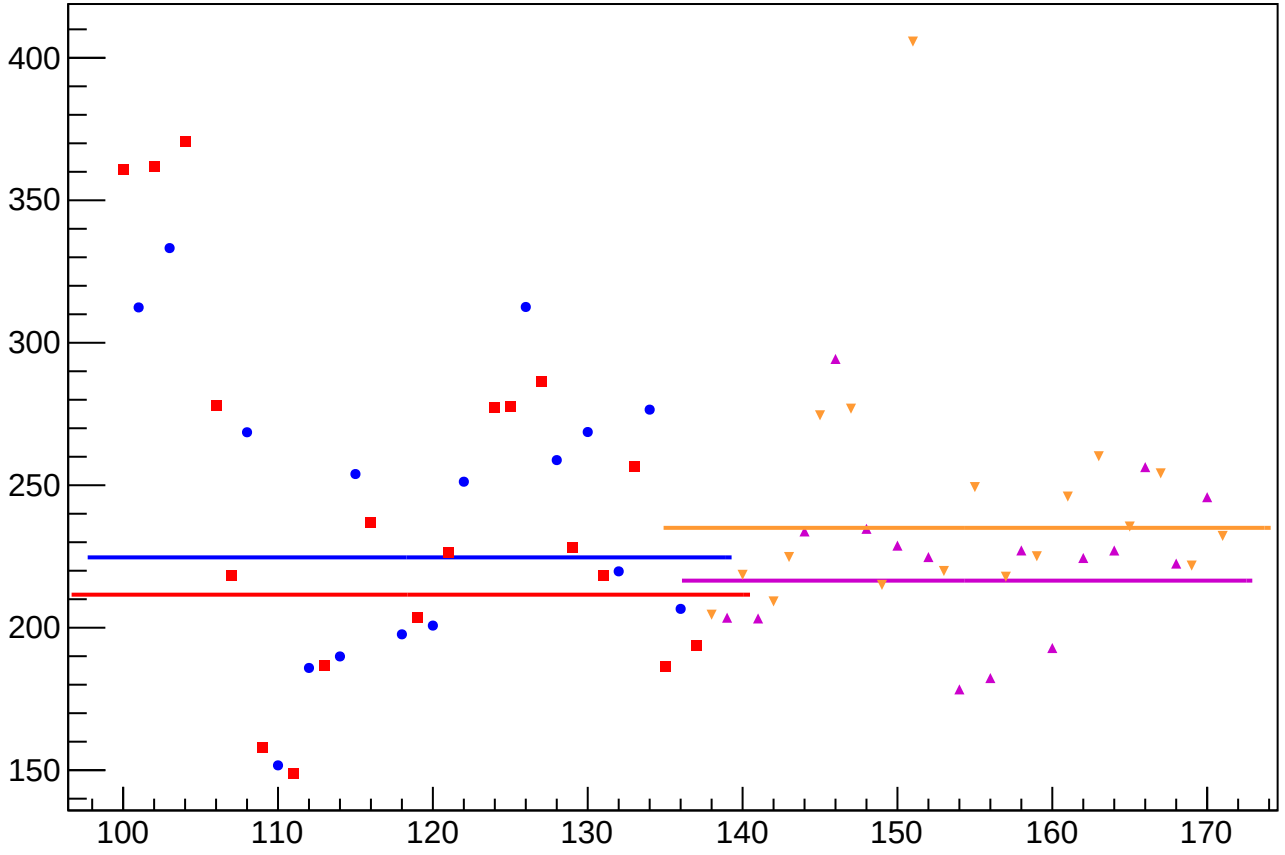
Left In: 385.709+/-61.066 χ^2/NDF:1606.4/15

+ sign -27.410+/-51.203 χ^2/NDF: 1282.5/33

All: 303.207+/-35.307 χ^2/NDF: 3401.4/68

- sign 602.893+/-48.749 χ^2/NDF: 2039.4/34

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.048+/-0.045 χ^2/NDF:487894.6/17

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

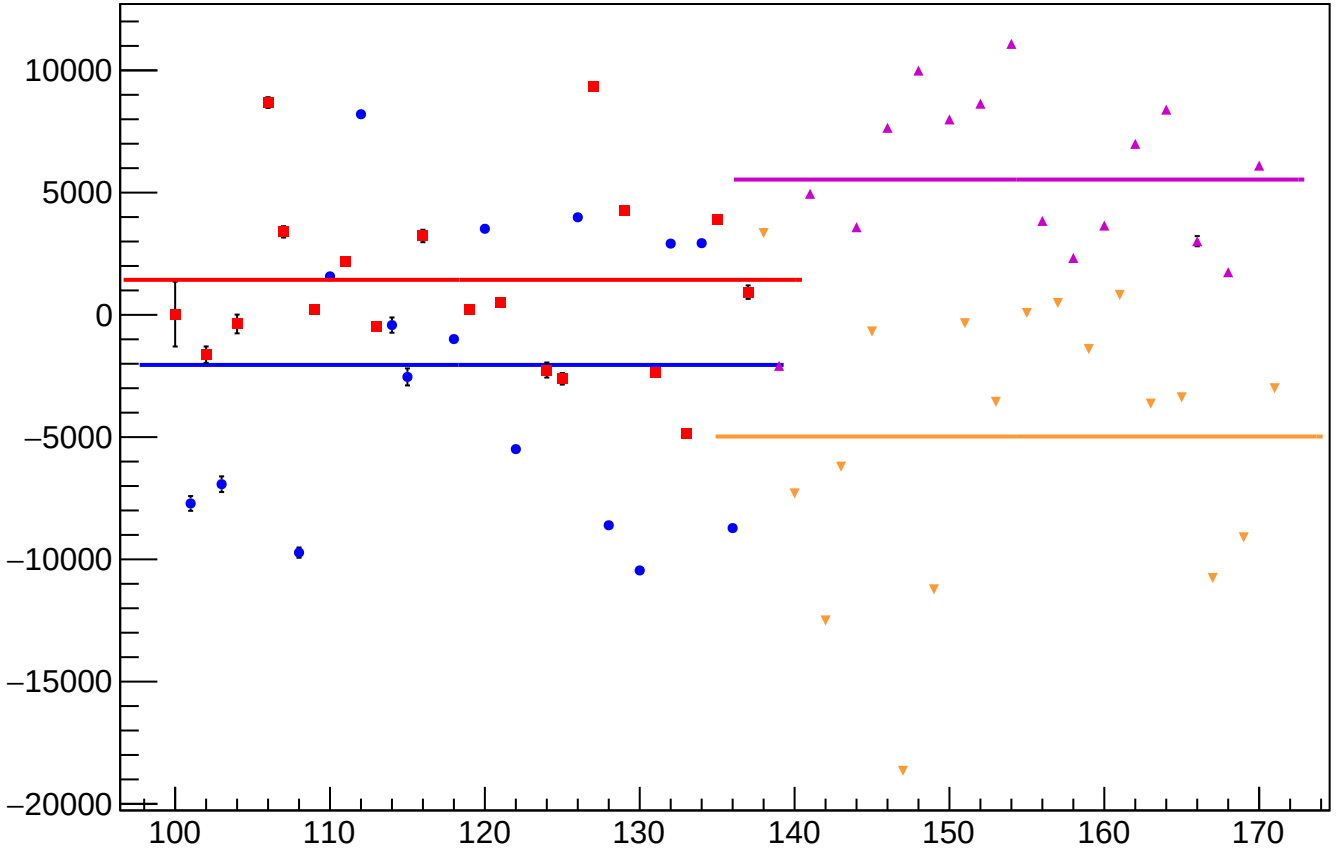
Left In: 216.522+/-0.043 χ^2/NDF:383131.0/15

+ sign 231.432+/-0.036 χ^2/NDF: 1159707.3/33

All: 222.674+/-0.025 χ^2/NDF: 2592010.3/68

- sign 214.735+/-0.034 χ^2/NDF: 1320756.6/34

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4975.350+/-33.293 χ^2/NDF:31638.2/17

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

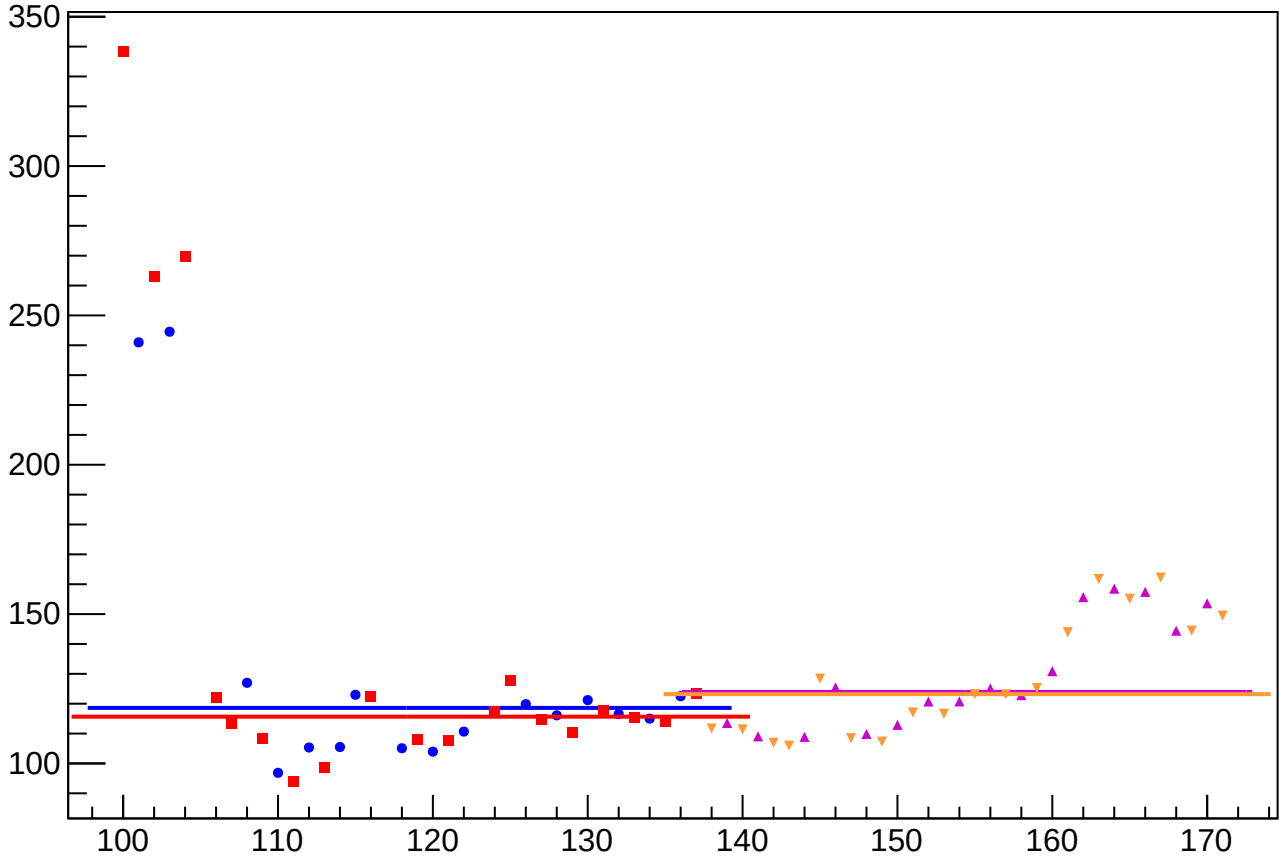
Left In: 5534.128+/-34.707 χ^2/NDF:10238.4/15

+ sign -3989.262+/-27.114 χ^2/NDF: 50952.3/33

All: -43.179+/-19.280 χ^2/NDF: 115671.9/68

- sign 3992.814+/-27.421 χ^2/NDF: 21873.7/34

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 123.201+/-0.024 χ^2/NDF:530736.7/17

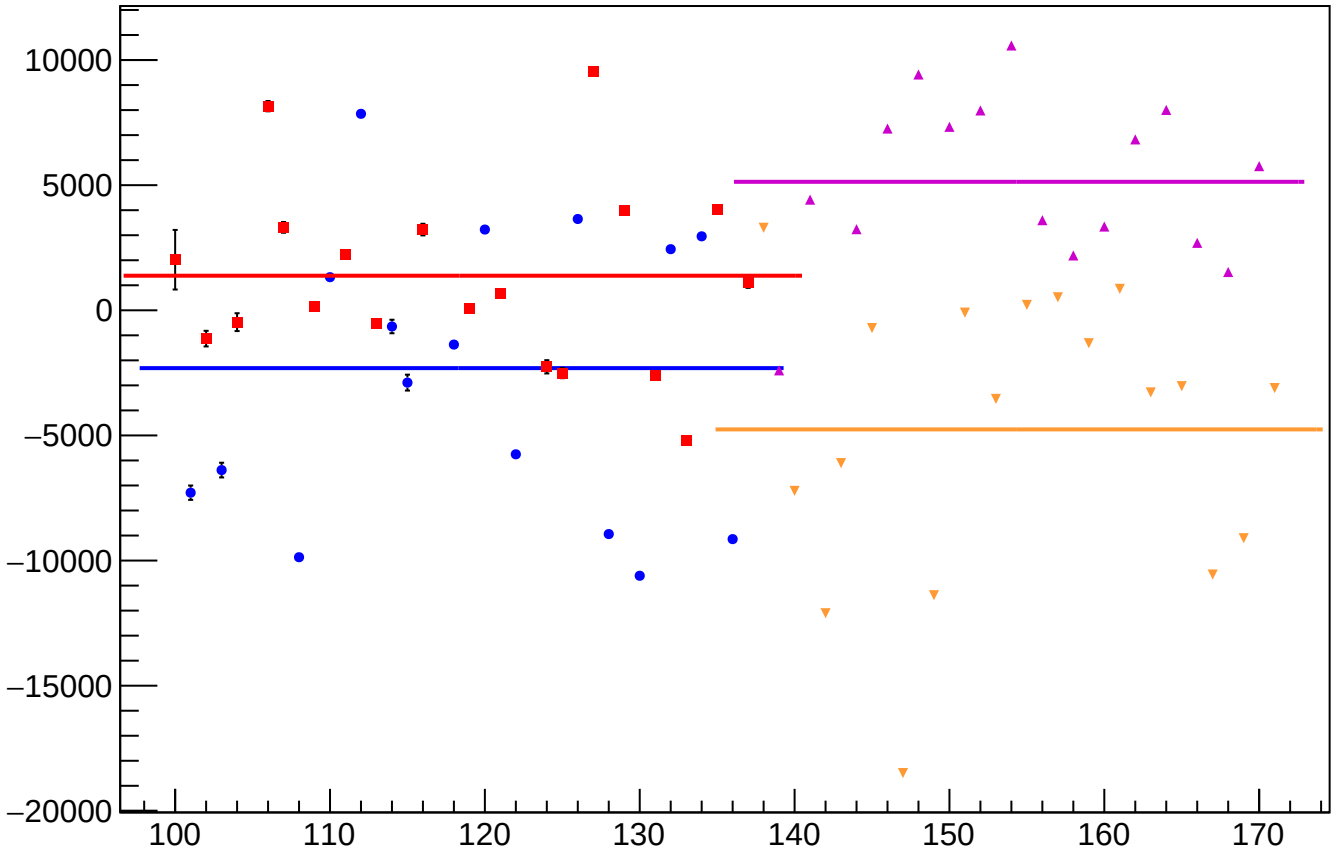
Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 123.954+/-0.025 χ^2/NDF:399765.1/15

+ sign 121.650+/-0.019 χ^2/NDF: 1277782.2/33

All: 121.248+/-0.014 χ^2/NDF: 2585574.3/68

- sign 120.837+/-0.019 χ^2/NDF: 1306903.1/34



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4759.609+/-29.887 χ^2/NDF:38326.8/17

Right Out: 1382.178+/-39.342 χ^2/NDF: 8578.9/18

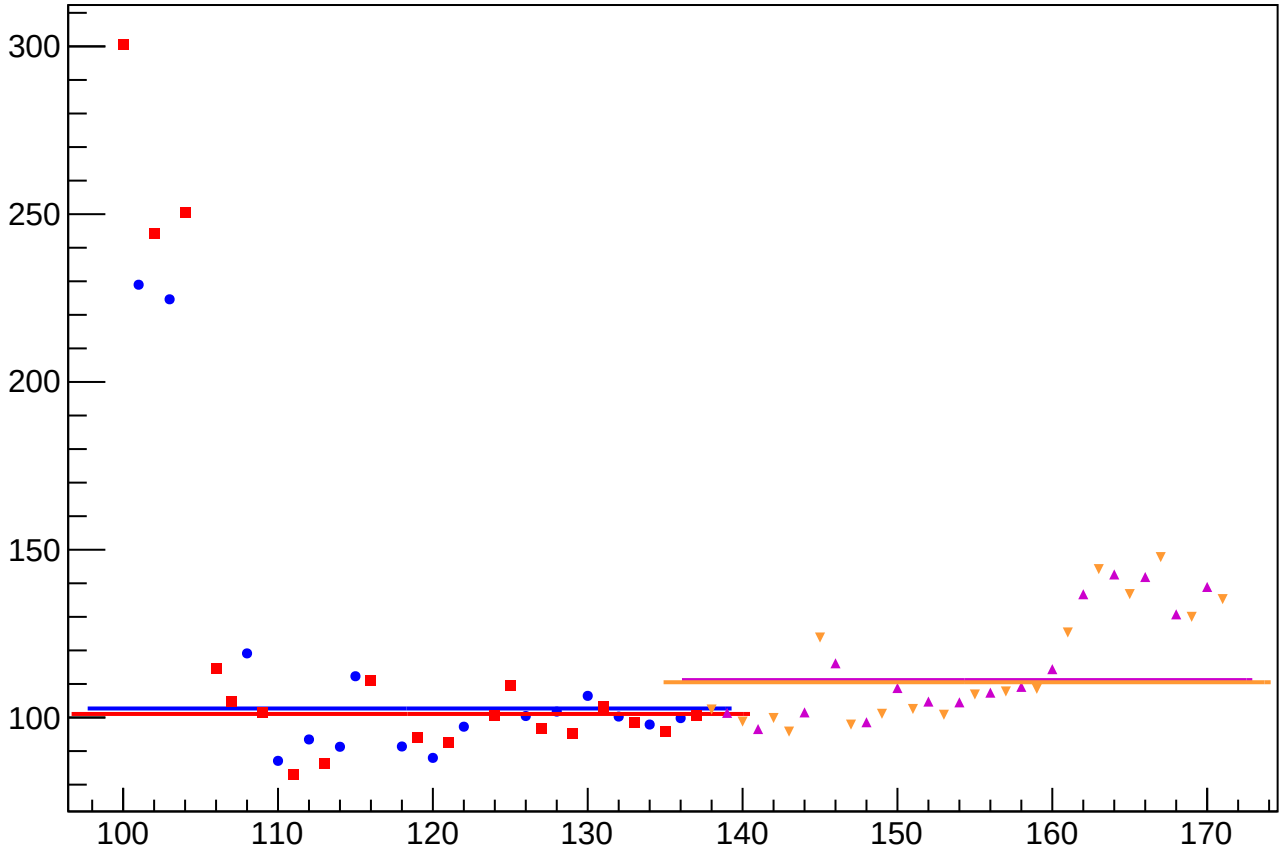
Left In: 5134.079+/-31.147 χ^2/NDF:12114.4/15

+ sign -3902.596+/-24.097 χ^2/NDF: 62356.0/33

All: -157.706+/-17.152 χ^2/NDF: 137598.2/68

- sign 3688.474+/-24.420 χ^2/NDF: 26283.9/34

asym_bpm2i01WS_rms vs Slug



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 110.516+/-0.021 χ^2/NDF:515585.4/17

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

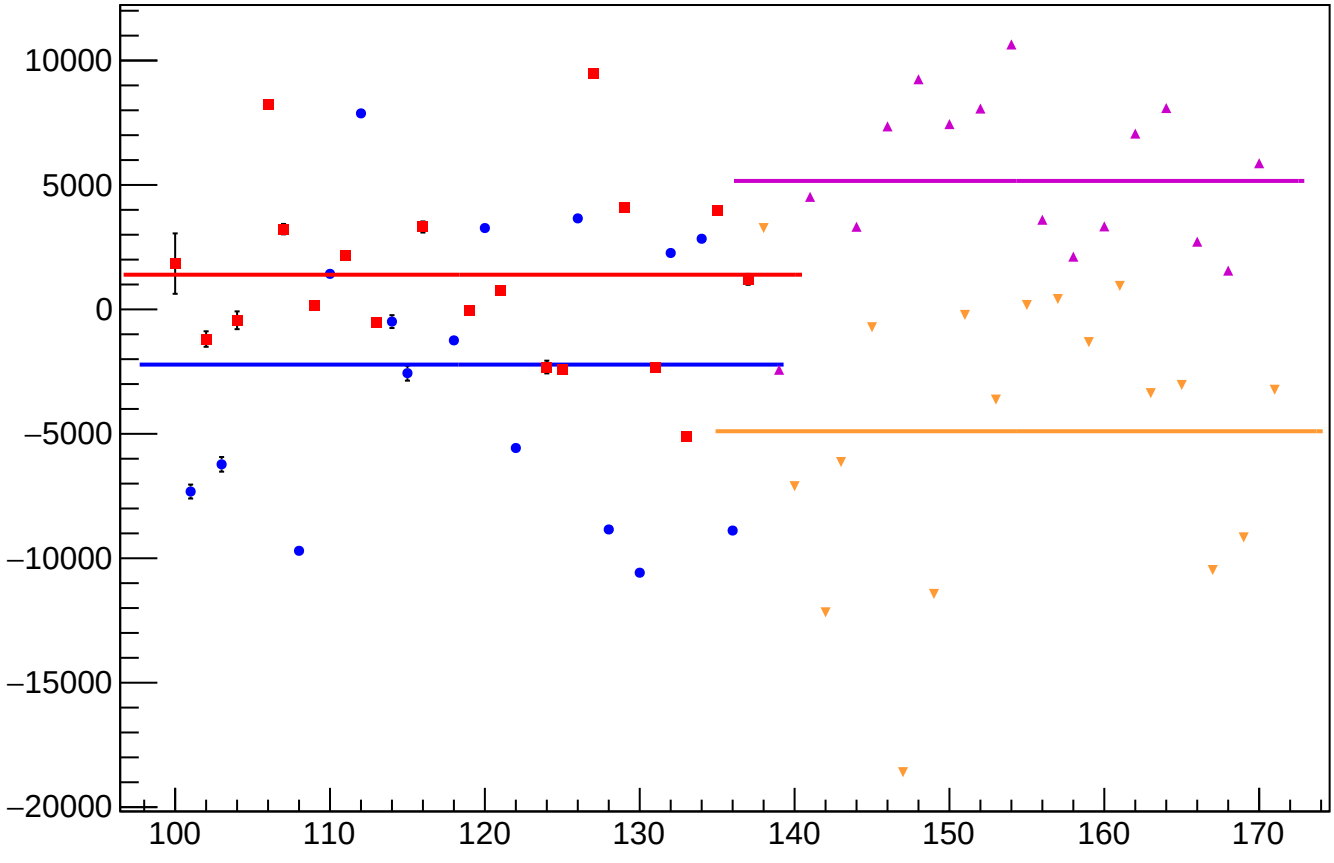
Left In: 111.158+/-0.022 χ^2/NDF:387762.8/15

+ sign 107.779+/-0.017 χ^2/NDF: 1389328.4/33

All: 107.527+/-0.012 χ^2/NDF: 2788934.8/68

- sign 107.269+/-0.017 χ^2/NDF: 1399164.4/34

asym_bpm2i02WS_mean vs Slug



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4895.786+/-29.259 χ^2/NDF:41137.9/17

Right Out: 1393.557+/-37.580 χ^2/NDF: 9152.1/18

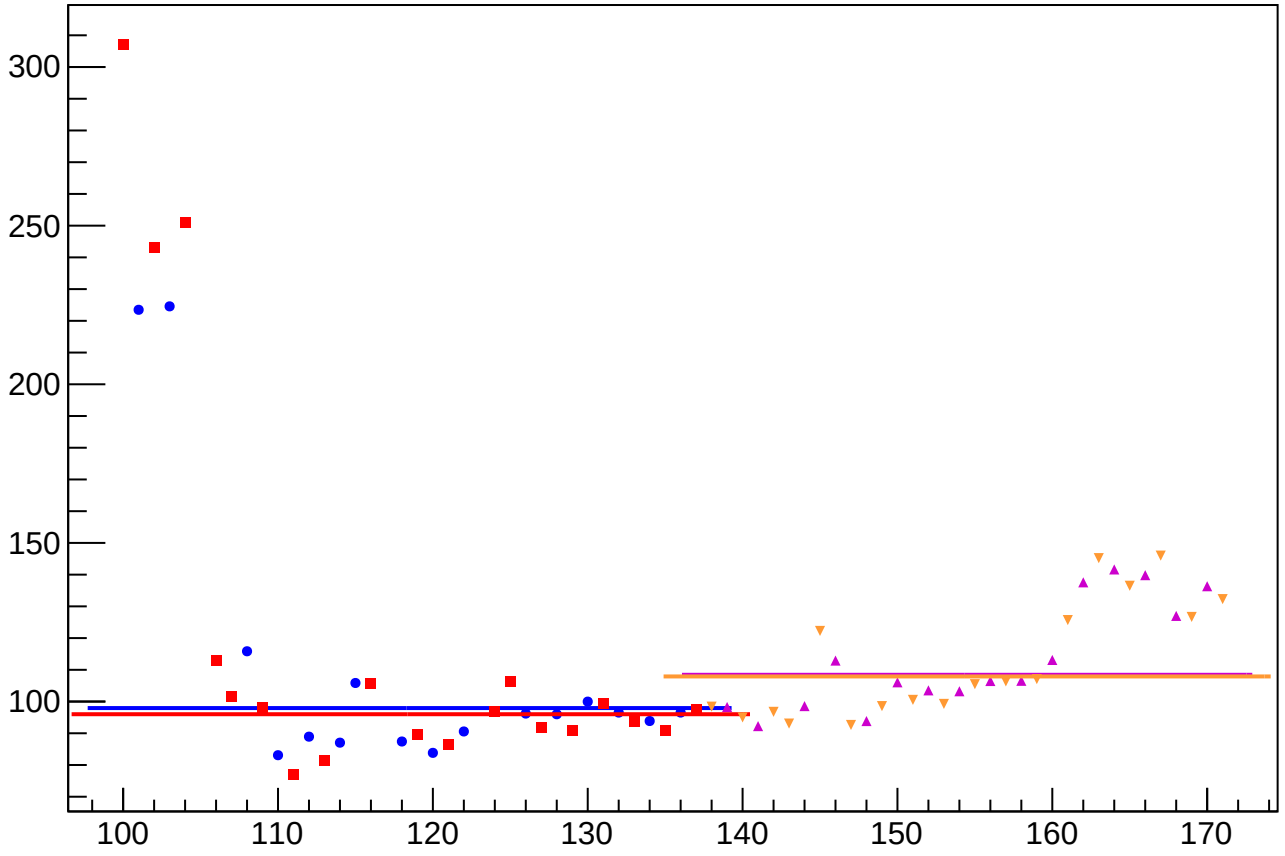
Left In: 5161.634+/-30.458 χ^2/NDF:12834.9/15

+ sign -3932.654+/-23.413 χ^2/NDF: 67191.2/33

All: -172.676+/-16.643 χ^2/NDF: 147379.2/68

- sign 3667.751+/-23.662 χ^2/NDF: 28055.0/34

asym_bpm2i02WS_rms vs Slug



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 107.911+/-0.021 χ^2/NDF:589533.5/17

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

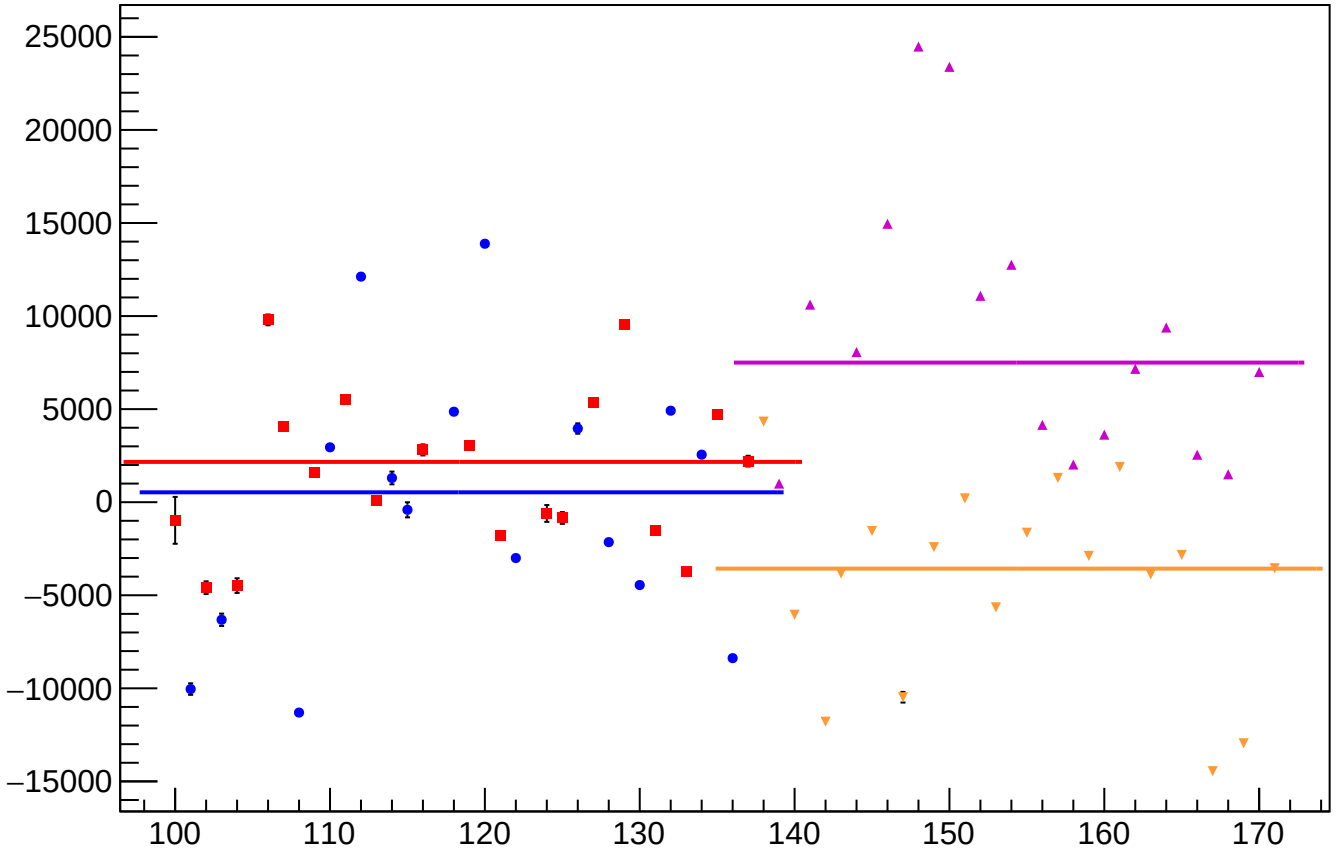
Left In: 108.430+/-0.022 χ^2/NDF:440271.4/15

+ sign 104.326+/-0.017 χ^2/NDF: 1541164.6/33

All: 103.919+/-0.012 χ^2/NDF: 3126894.3/68

- sign 103.504+/-0.017 χ^2/NDF: 1584509.4/34

asym_bpm0i01WS_mean vs Slug



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3569.482+/-41.784 χ^2/NDF:13808.7/17

Right Out: 2164.994+/-53.458 χ^2/NDF: 4967.1/18

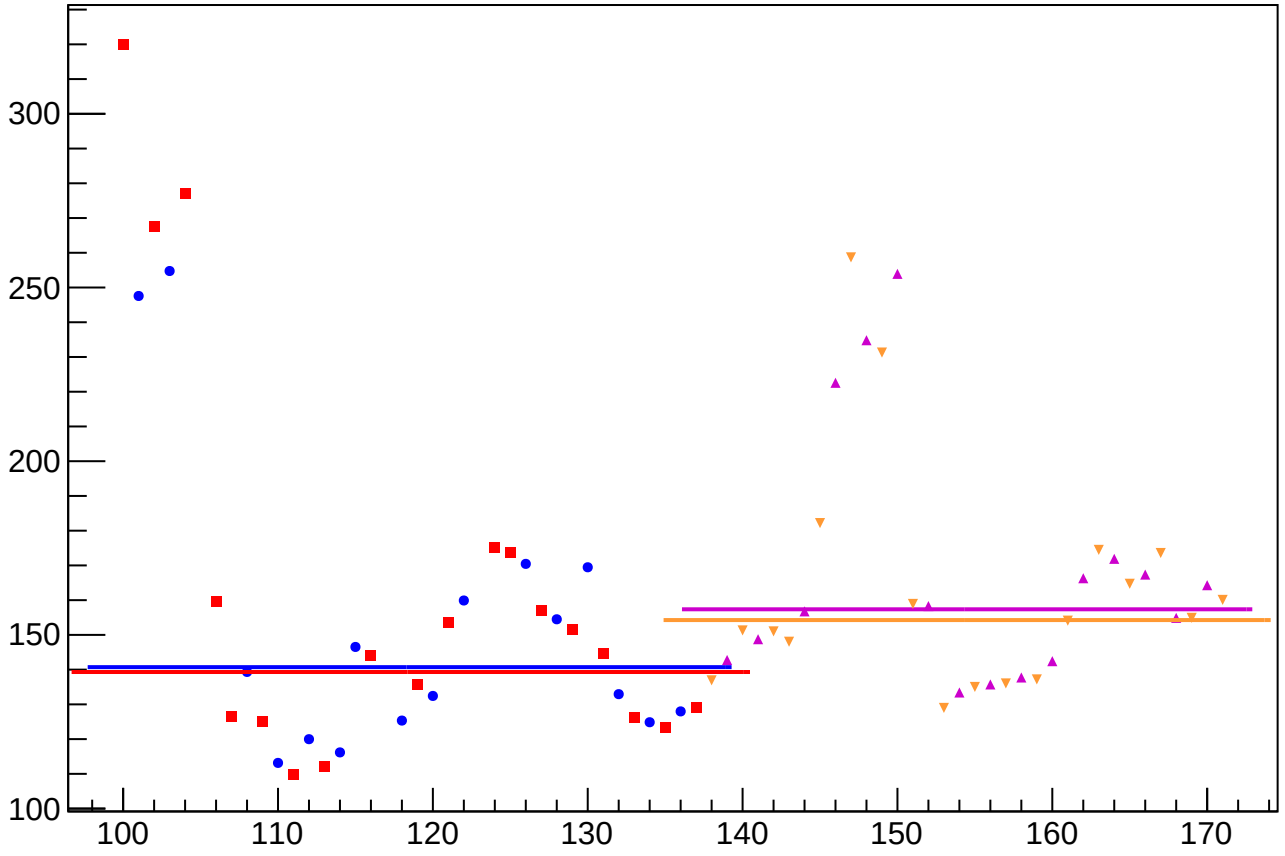
Left In: 7500.428+/-44.400 χ^2/NDF:16860.0/15

+ sign -2064.025+/-33.239 χ^2/NDF: 35931.7/33

All: 1528.784+/-23.821 χ^2/NDF: 87672.9/68

- sign 5322.383+/-34.156 χ^2/NDF: 27721.9/34

asym_bpm0i01WS_rms vs Slug



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.268+/-0.030 χ^2/NDF:720133.0/17

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

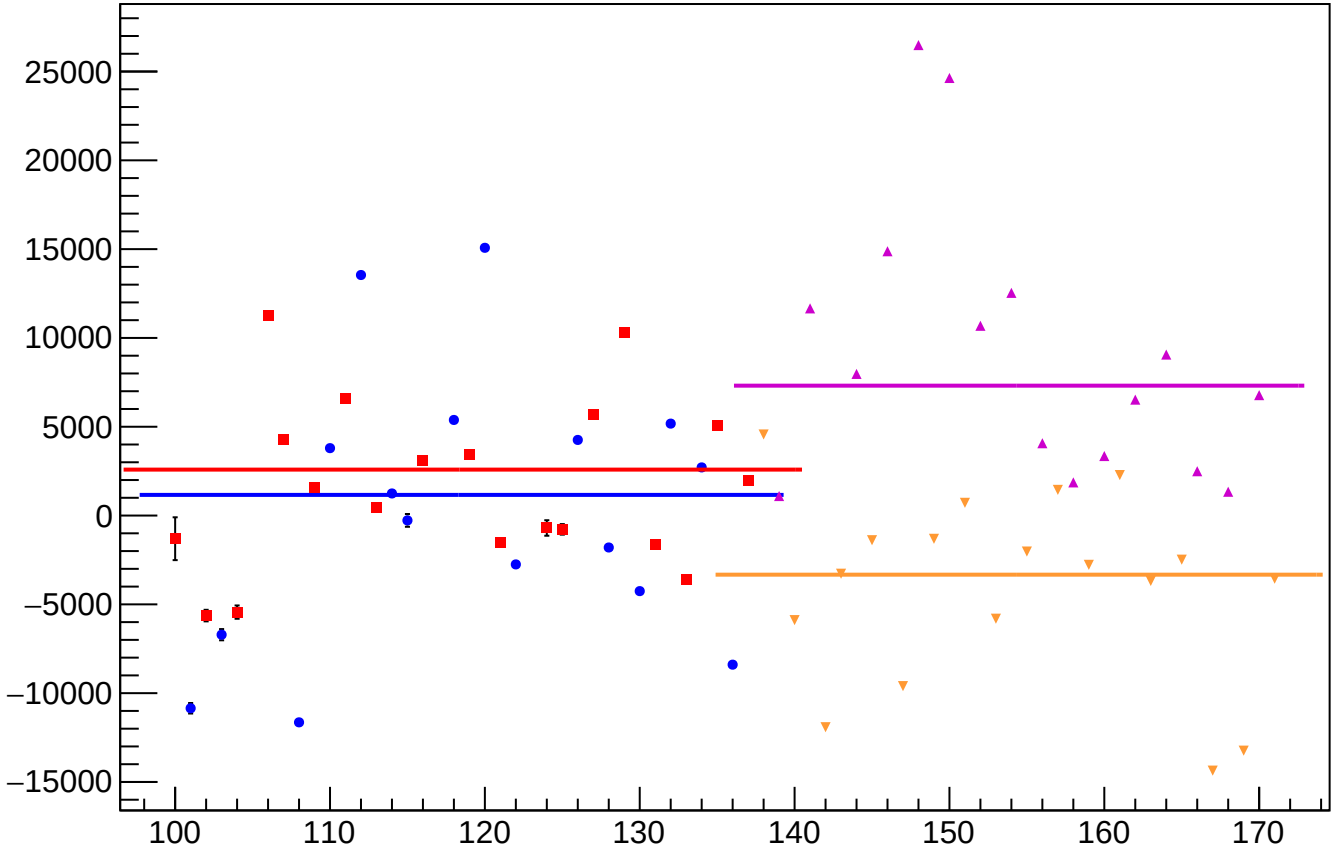
Left In: 157.368+/-0.031 χ^2/NDF:779814.2/15

\+ sign 149.292+/-0.024 χ^2/NDF: 1473014.1/33

All: 149.636+/-0.017 χ^2/NDF: 3190535.4/68

\- sign 149.999+/-0.024 χ^2/NDF: 1717080.8/34

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -3328.443+/-36.996 χ^2/NDF:18006.6/17

Right Out: 2586.755+/-44.256 χ^2/NDF: 8099.7/18

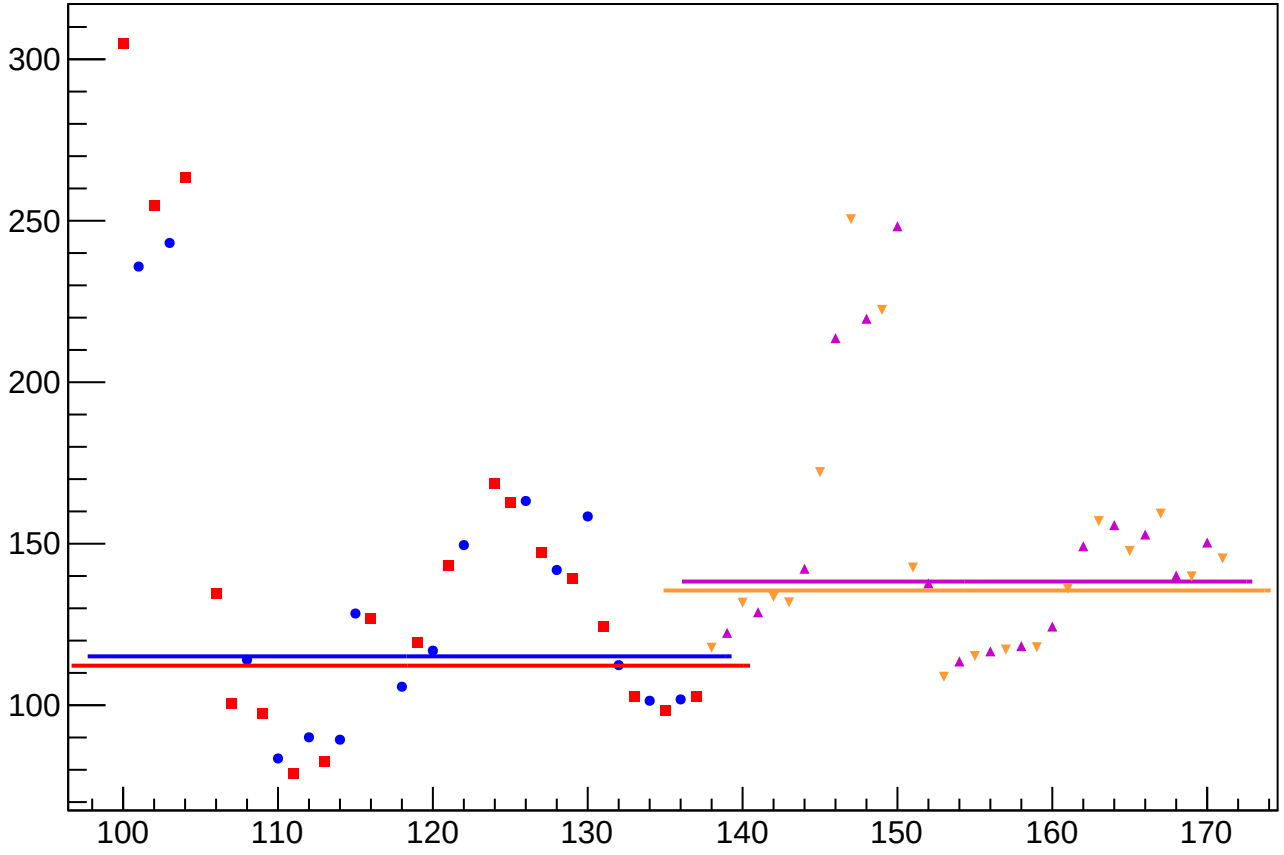
Left In: 7313.186+/-39.385 χ^2/NDF:22326.0/15

+ sign -1561.093+/-28.812 χ^2/NDF: 54560.7/33

All: 1760.525+/-20.585 χ^2/NDF: 118502.4/68

- sign 5224.298+/-29.422 χ^2/NDF: 36790.4/34

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 135.517+/-0.026 χ^2/NDF:1021721.7/17

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

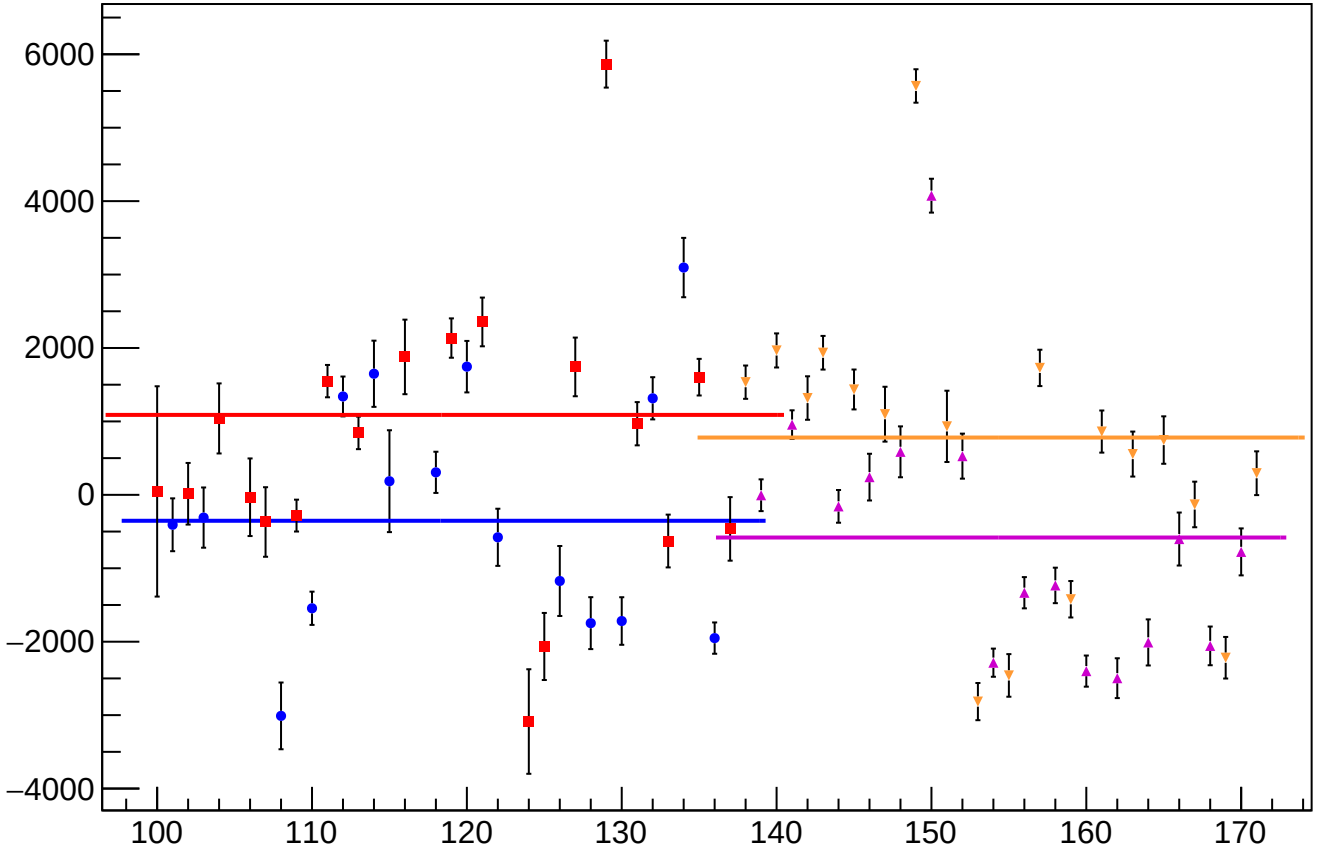
Left In: 138.286+/-0.028 χ^2/NDF:1077544.0/15

+ sign 127.493+/-0.020 χ^2/NDF: 2373810.6/33

All: 127.142+/-0.015 χ^2/NDF: 5166656.0/68

- sign 126.775+/-0.021 χ^2/NDF: 2792237.5/34

asym_bpm0l01WS_mean vs Slug



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 780.454+/-64.658 χ^2/NDF:1058.1/17

Right Out: 1088.752+/-76.444 χ^2/NDF: 447.2/18

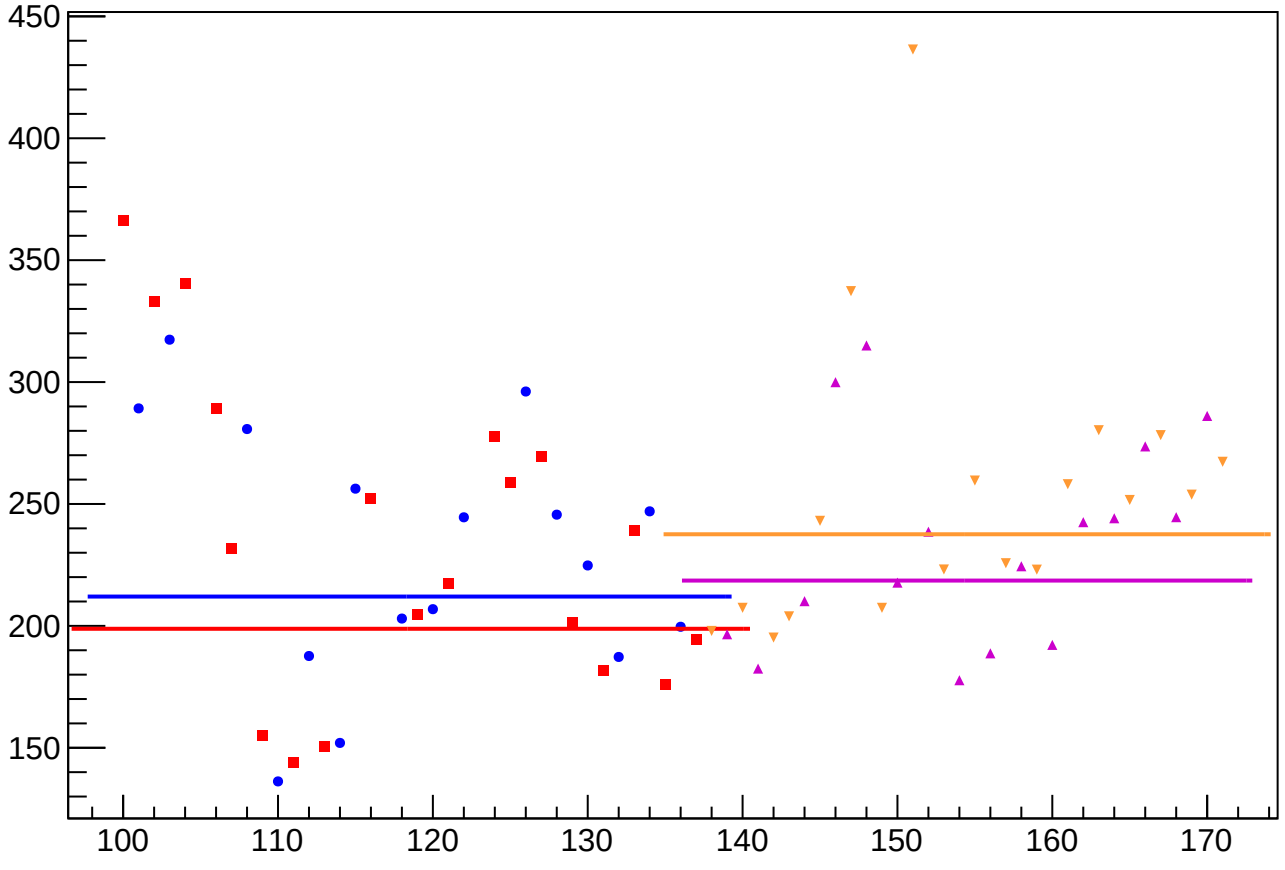
Left In: -581.195+/-62.056 χ^2/NDF:786.2/15

+ sign 346.748+/-50.805 χ^2/NDF: 1537.5/33

All: 207.434+/-34.959 χ^2/NDF: 3072.8/68

- sign 82.146+/-48.179 χ^2/NDF: 1521.0/34

asym_bpm0l01WS_rms vs Slug



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 237.579+/-0.046 χ^2/NDF:836046.5/17

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

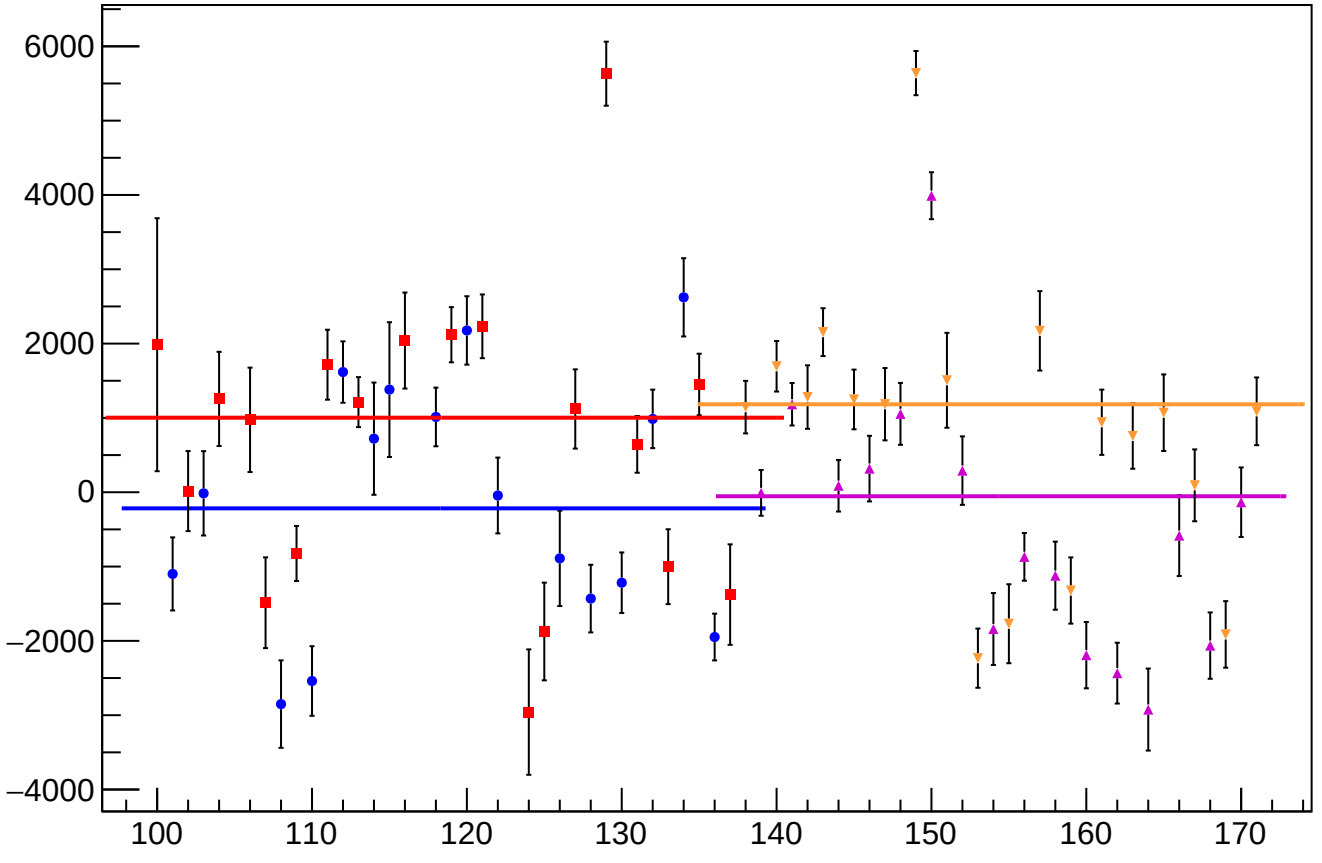
Left In: 218.586+/-0.044 χ^2/NDF:732589.2/15

+ sign 227.803+/-0.036 χ^2/NDF: 1645908.6/33

All: 218.814+/-0.025 χ^2/NDF: 3553031.7/68

- sign 210.730+/-0.034 χ^2/NDF: 1788202.0/34

asym_bpm0l02WS_mean vs Slug



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1183.427+/-98.764 χ^2/NDF:430.0/17

Right Out: 1003.049+/-113.111 χ^2/NDF: 254.3/18

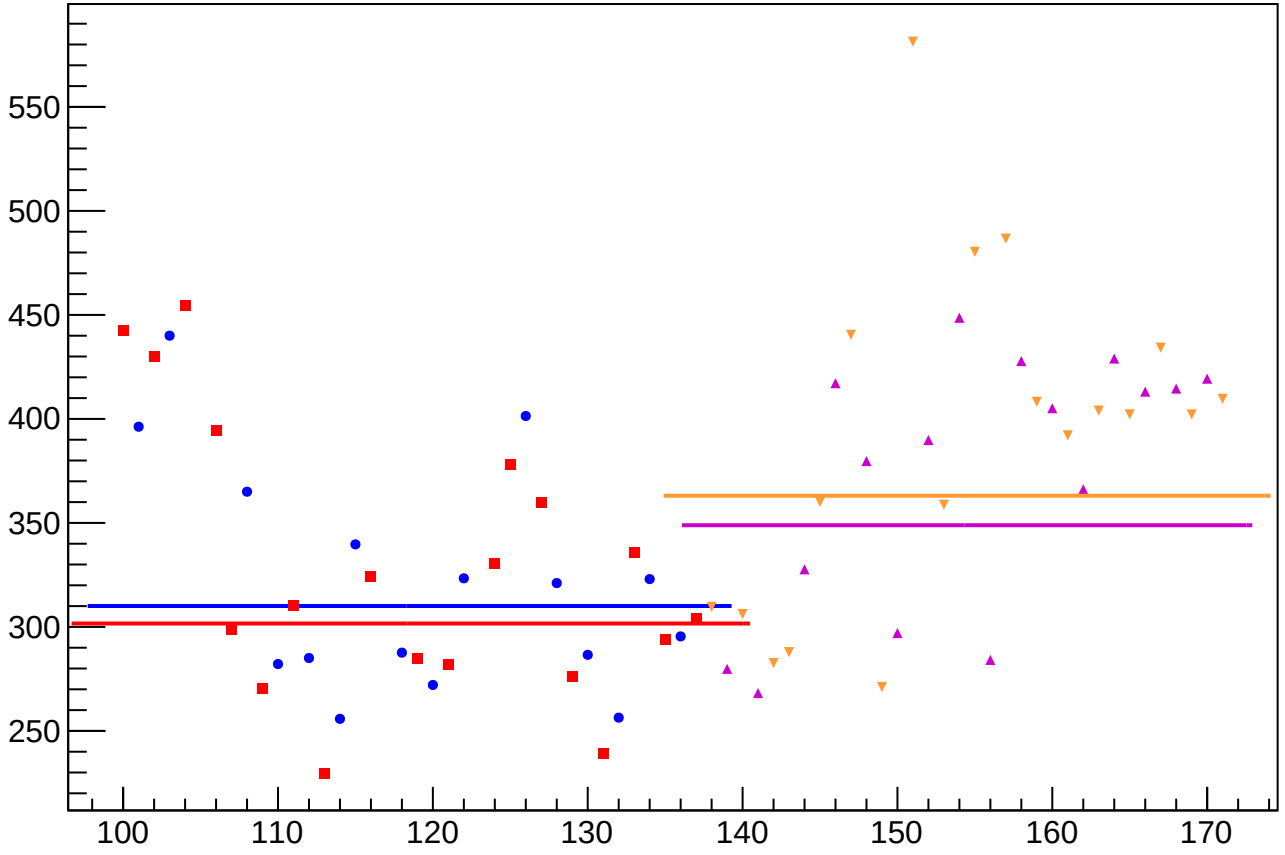
Left In: -54.082+/-98.644 χ^2/NDF:322.0/15

+ sign 605.889+/-75.707 χ^2/NDF: 705.1/33

All: 502.396+/-53.044 χ^2/NDF: 1334.7/68

- sign 402.597+/-74.344 χ^2/NDF: 625.9/34

asym_bpm0l02WS_rms vs Slug



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 363.080+/-0.070 χ^2/NDF:1099291.8/17

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

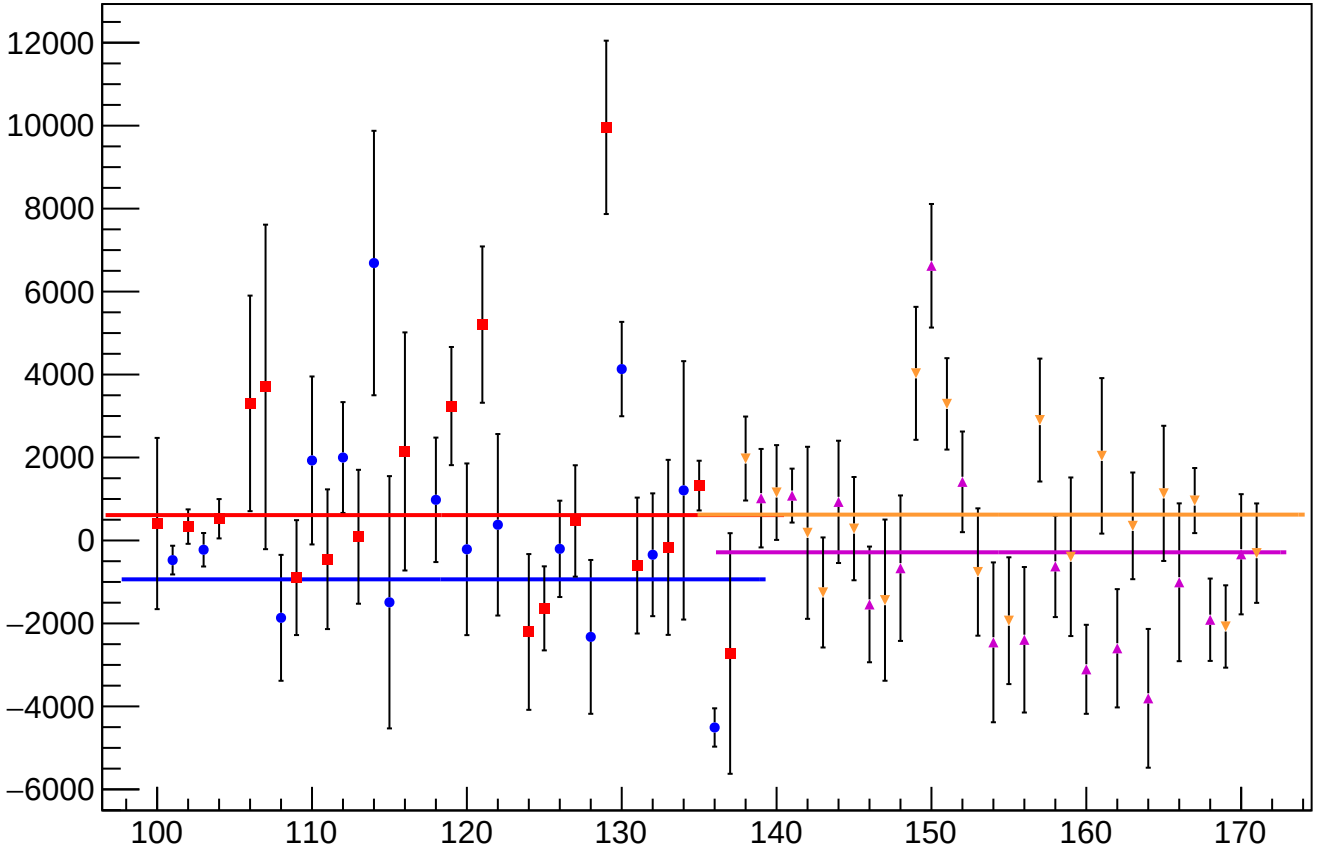
Left In: 348.885+/-0.070 χ^2/NDF:816184.0/15

+ sign 341.214+/-0.054 χ^2/NDF: 1660265.5/33

All: 334.729+/-0.038 χ^2/NDF: 3223392.2/68

- sign 328.474+/-0.053 χ^2/NDF: 1534293.3/34

asym_bpm0l03WS_mean vs Slug



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 623.078+/-303.596 χ^2/NDF:30.8/17

Right Out: 611.668+/-233.144 χ^2/NDF: 44.1/18

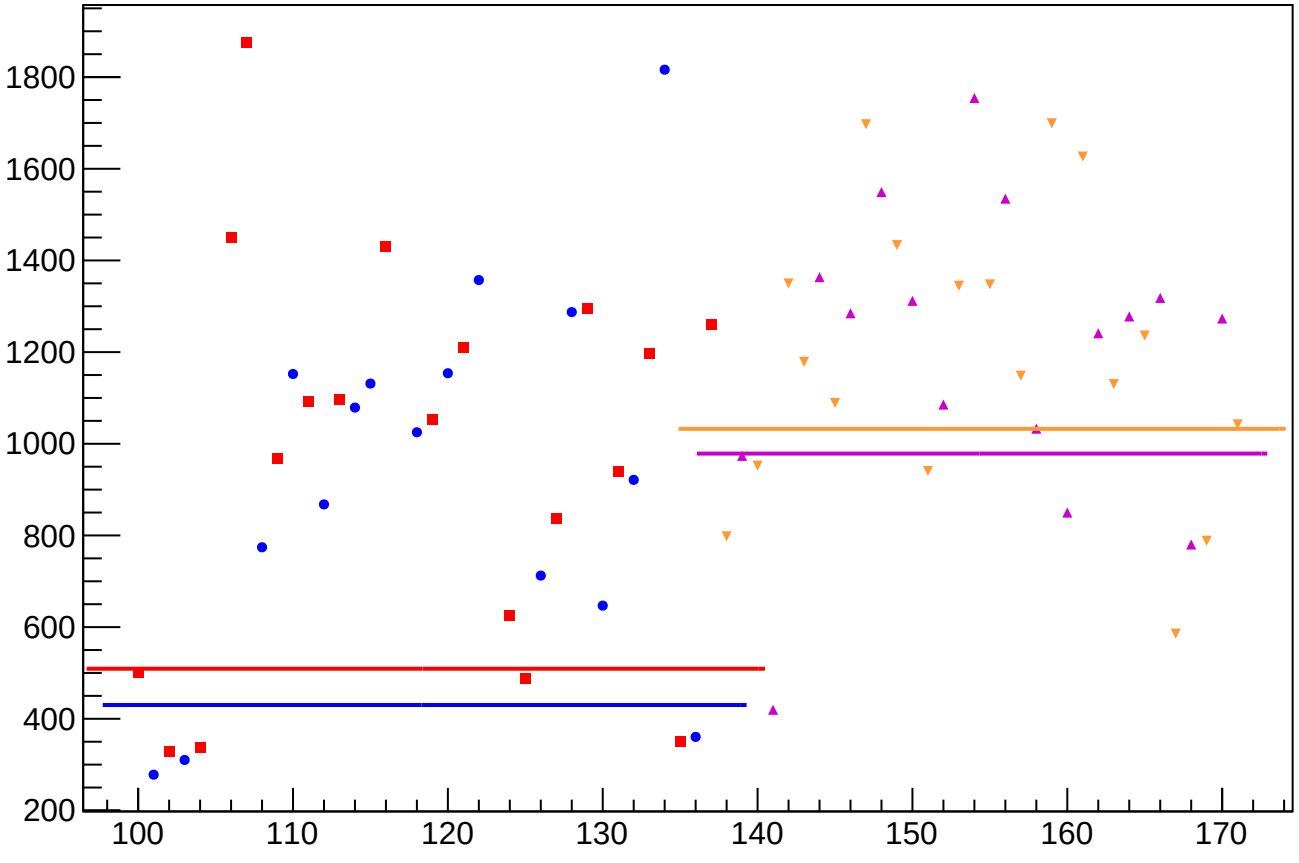
Left In: -284.990+/-312.283 χ^2/NDF:50.2/15

+ sign -449.335+/-169.734 χ^2/NDF: 150.1/33

All: -114.676+/-125.628 χ^2/NDF: 258.4/68

- sign 290.757+/-186.822 χ^2/NDF: 99.6/34

asym_bpm0l03WS_rms vs Slug



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1032.553+/-0.215 χ^2/NDF:2002178.6/17

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

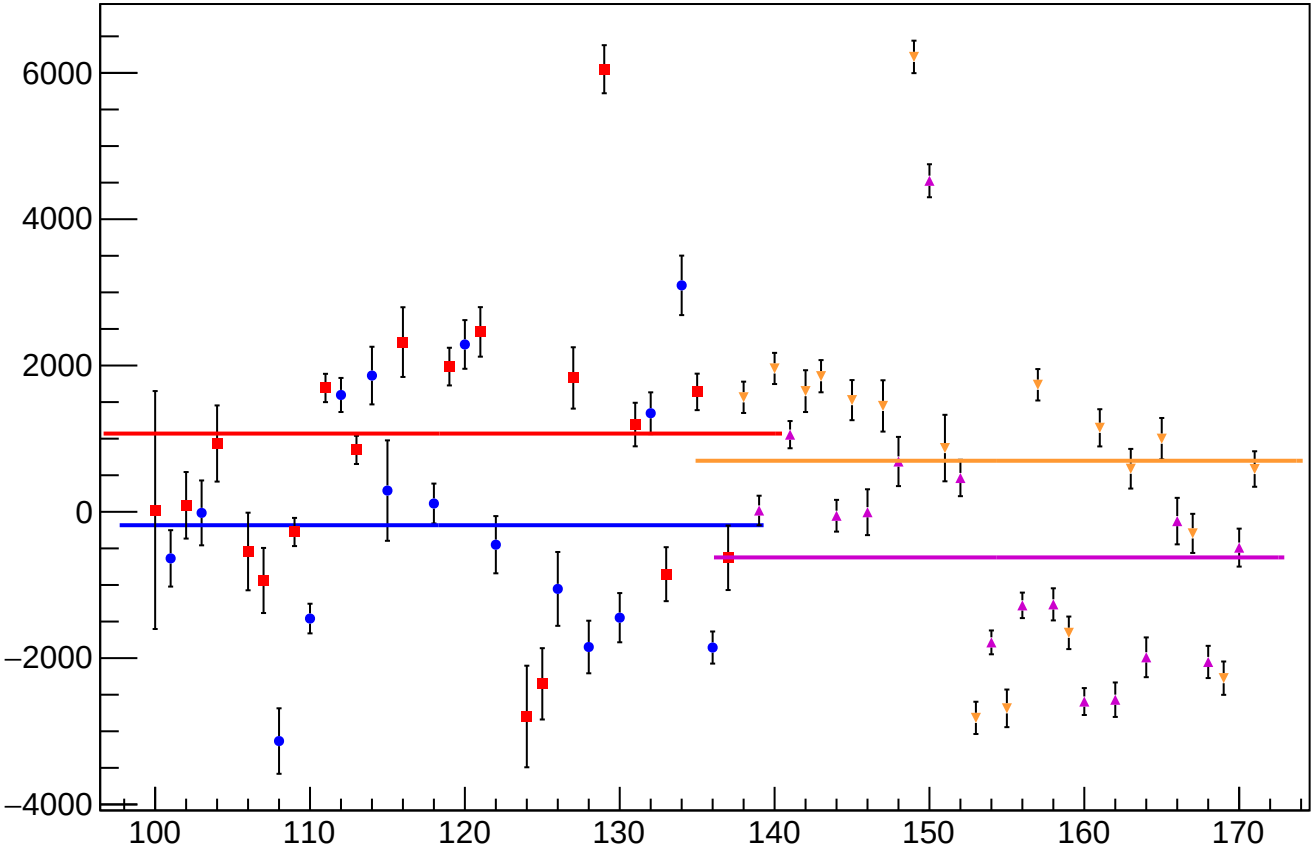
Left In: 978.642+/-0.221 χ^2/NDF:2955188.2/15

+ sign 618.415+/-0.120 χ^2/NDF: 10937816.3/33

All: 645.012+/-0.089 χ^2/NDF: 20576628.0/68

- sign 677.235+/-0.132 χ^2/NDF: 9530203.8/34

asym_bpm0l04WS_mean vs Slug



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 698.122+/-58.461 χ^2/NDF:1473.6/17

Right Out: 1069.729+/-73.060 χ^2/NDF: 492.3/18

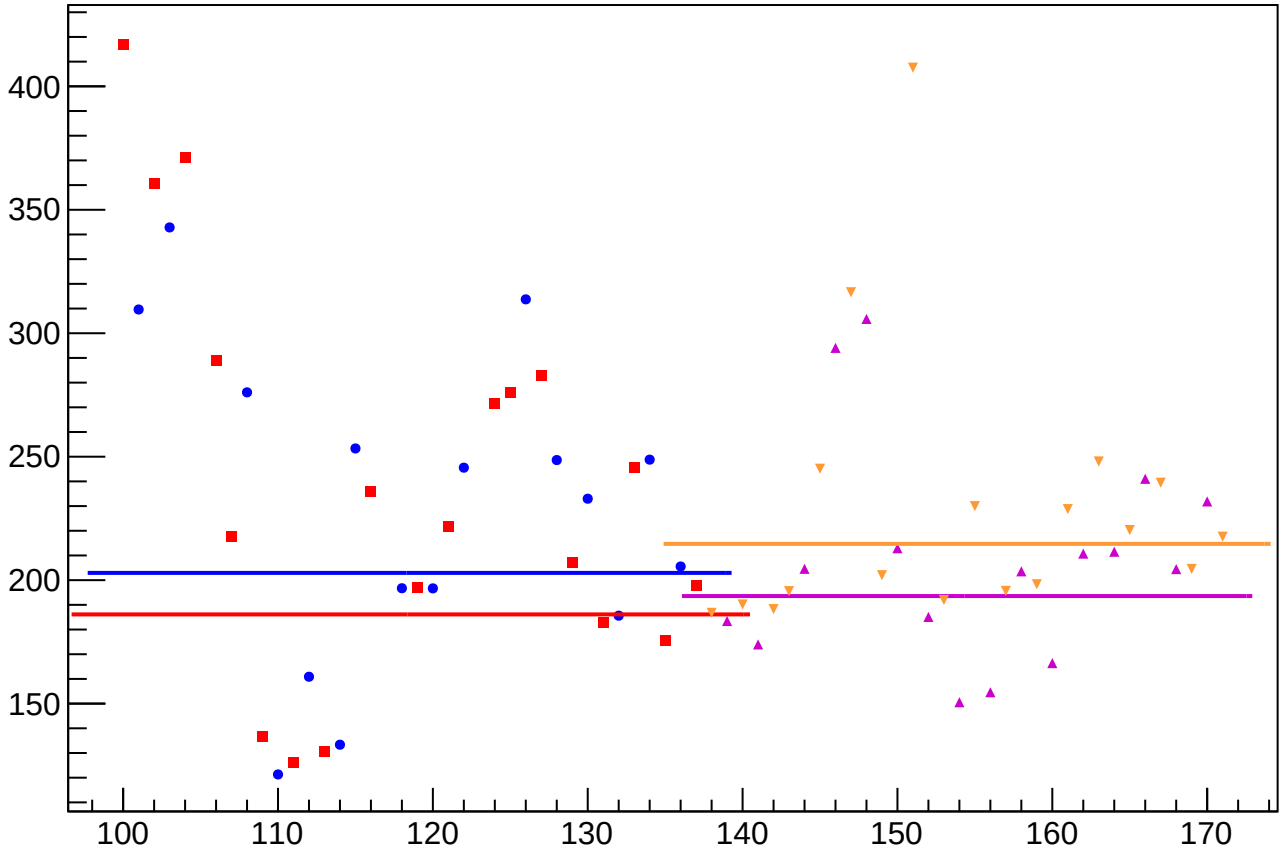
Left In: -623.296+/-55.283 χ^2/NDF:983.7/15

+ sign 390.699+/-47.173 χ^2/NDF: 1970.6/33

All: 178.471+/-32.209 χ^2/NDF: 3825.9/68

- sign -6.880+/-44.085 χ^2/NDF: 1817.4/34

asym_bpm0l04WS_rms vs Slug



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 214.706+/-0.041 χ^2/NDF:766424.0/17

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

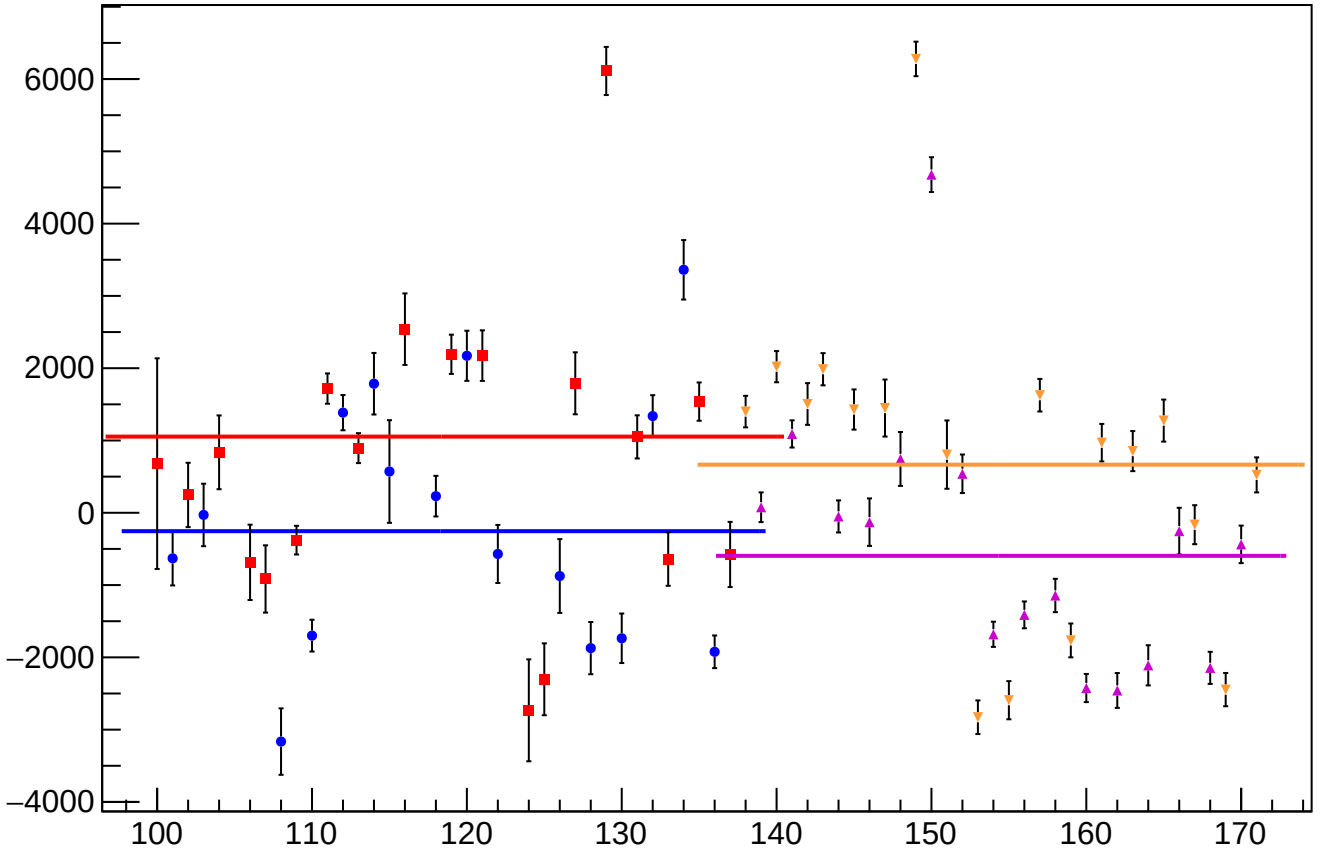
Left In: 193.560+/-0.039 χ^2/NDF:877294.6/15

+ sign 210.601+/-0.033 χ^2/NDF: 1866539.7/33

All: 200.060+/-0.023 χ^2/NDF: 4425727.2/68

- sign 190.855+/-0.031 χ^2/NDF: 2372117.3/34

asym_bpm0l05WS_mean vs Slug



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 665.337+/-60.167 χ^2/NDF:1361.6/17

Right Out: 1053.731+/-75.969 χ^2/NDF: 477.7/18

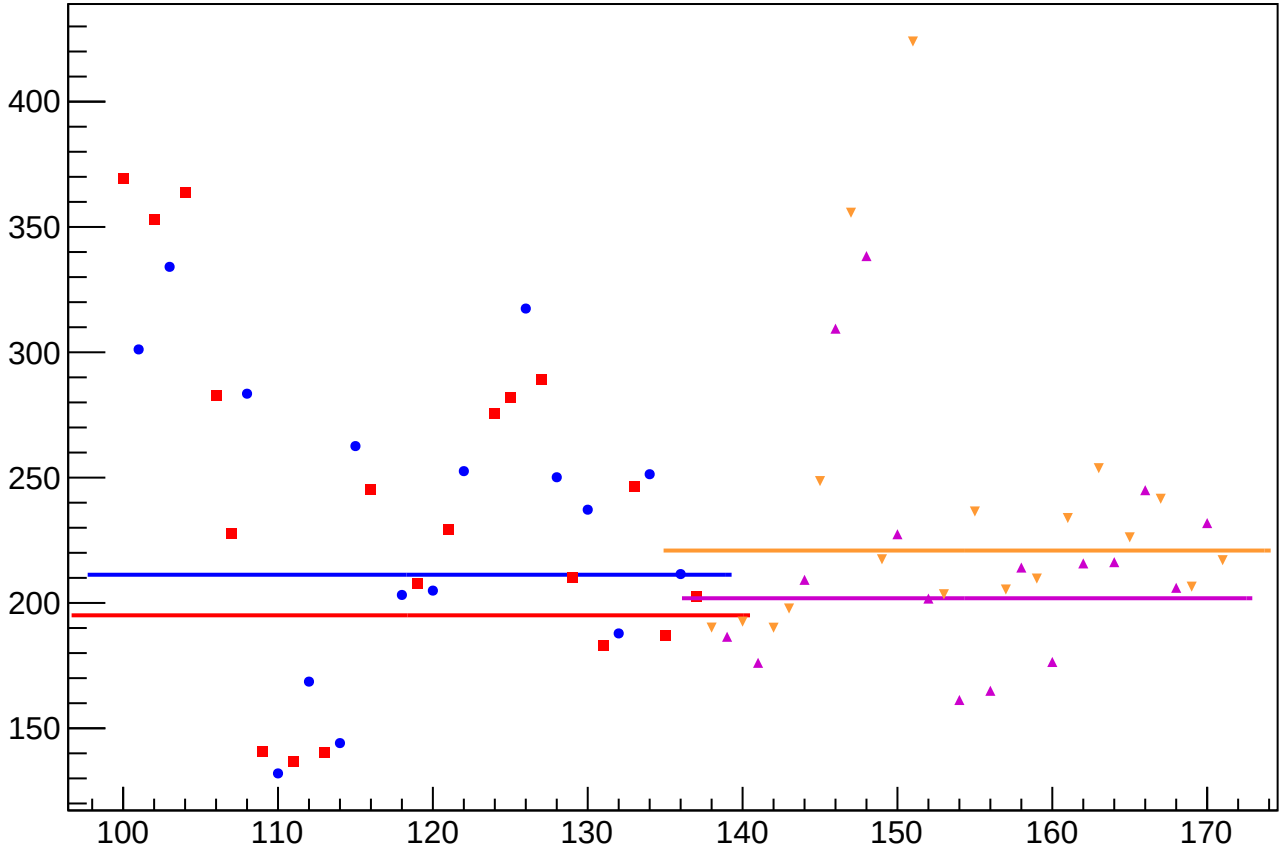
Left In: -595.508+/-57.553 χ^2/NDF:900.6/15

+ sign 345.926+/-48.610 χ^2/NDF: 1852.1/33

All: 166.068+/-33.363 χ^2/NDF: 3555.6/68

- sign 5.882+/-45.875 χ^2/NDF: 1677.7/34

asym_bpm0l05WS_rms vs Slug



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.906+/-0.043 χ^2/NDF:828405.5/17

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

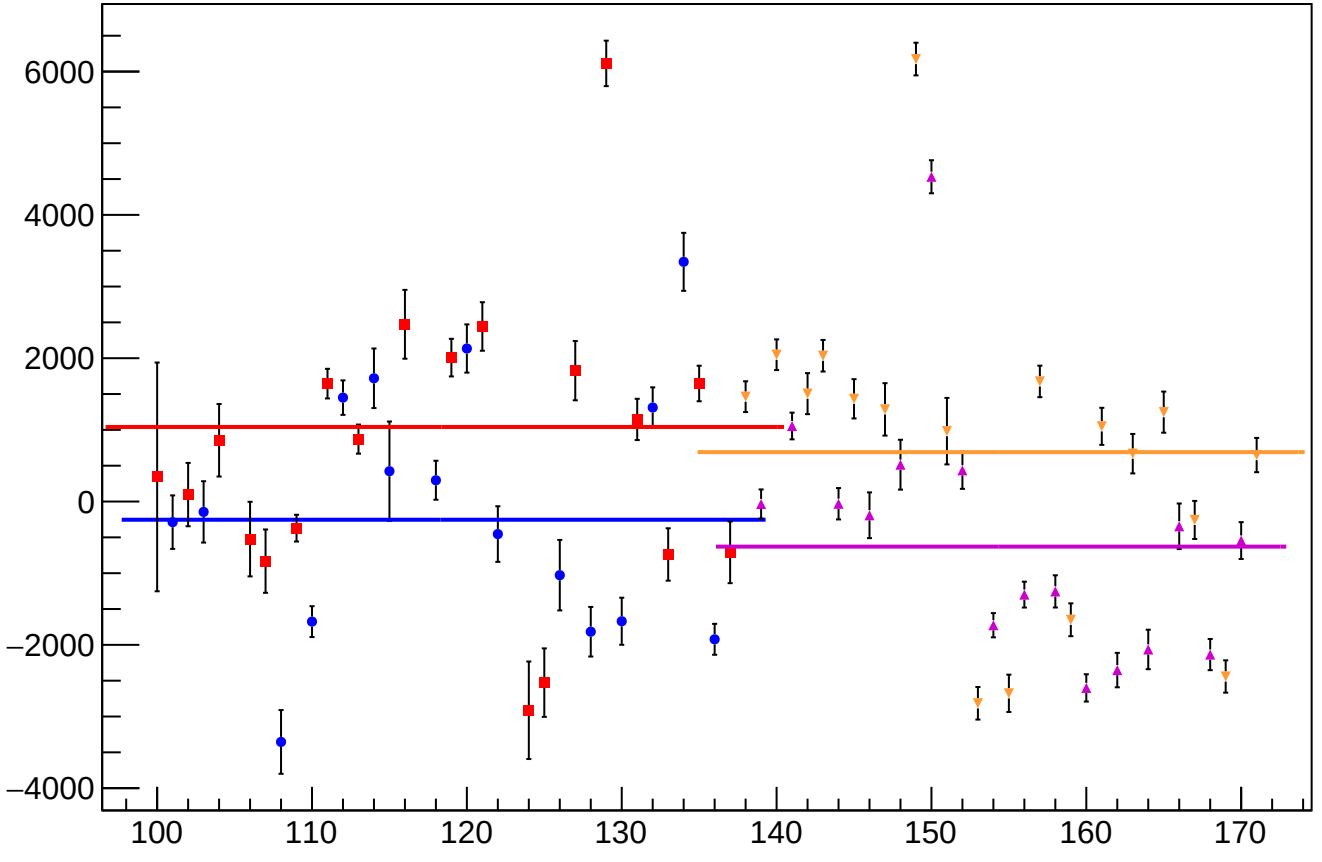
Left In: 201.873+/-0.041 χ^2/NDF:858440.4/15

+ sign 217.554+/-0.034 χ^2/NDF: 1730645.5/33

All: 207.946+/-0.024 χ^2/NDF: 4031909.3/68

- sign 199.389+/-0.032 χ^2/NDF: 2153535.8/34

asym_bpm0l06WS_mean vs Slug



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 689.578+/-59.091 χ^2/NDF:1428.7/17

Right Out: 1040.361+/-73.363 χ^2/NDF: 533.4/18

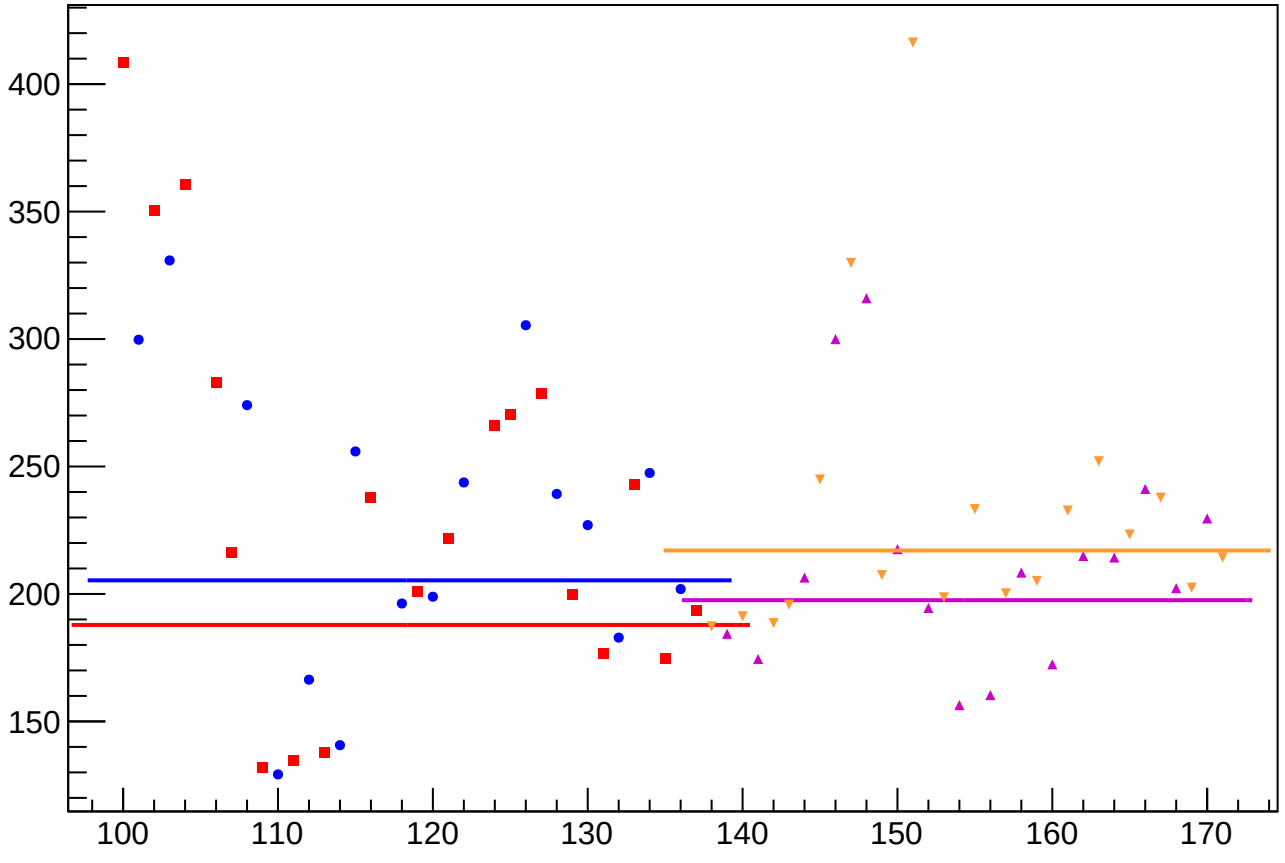
Left In: -629.221+/-56.324 χ^2/NDF:926.1/15

+ sign 357.676+/-47.578 χ^2/NDF: 1950.4/33

All: 162.245+/-32.568 χ^2/NDF: 3767.6/68

- sign -10.072+/-44.676 χ^2/NDF: 1785.4/34

asym_bpm0l06WS_rms vs Slug



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.056+/-0.042 χ^2/NDF:788854.1/17

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

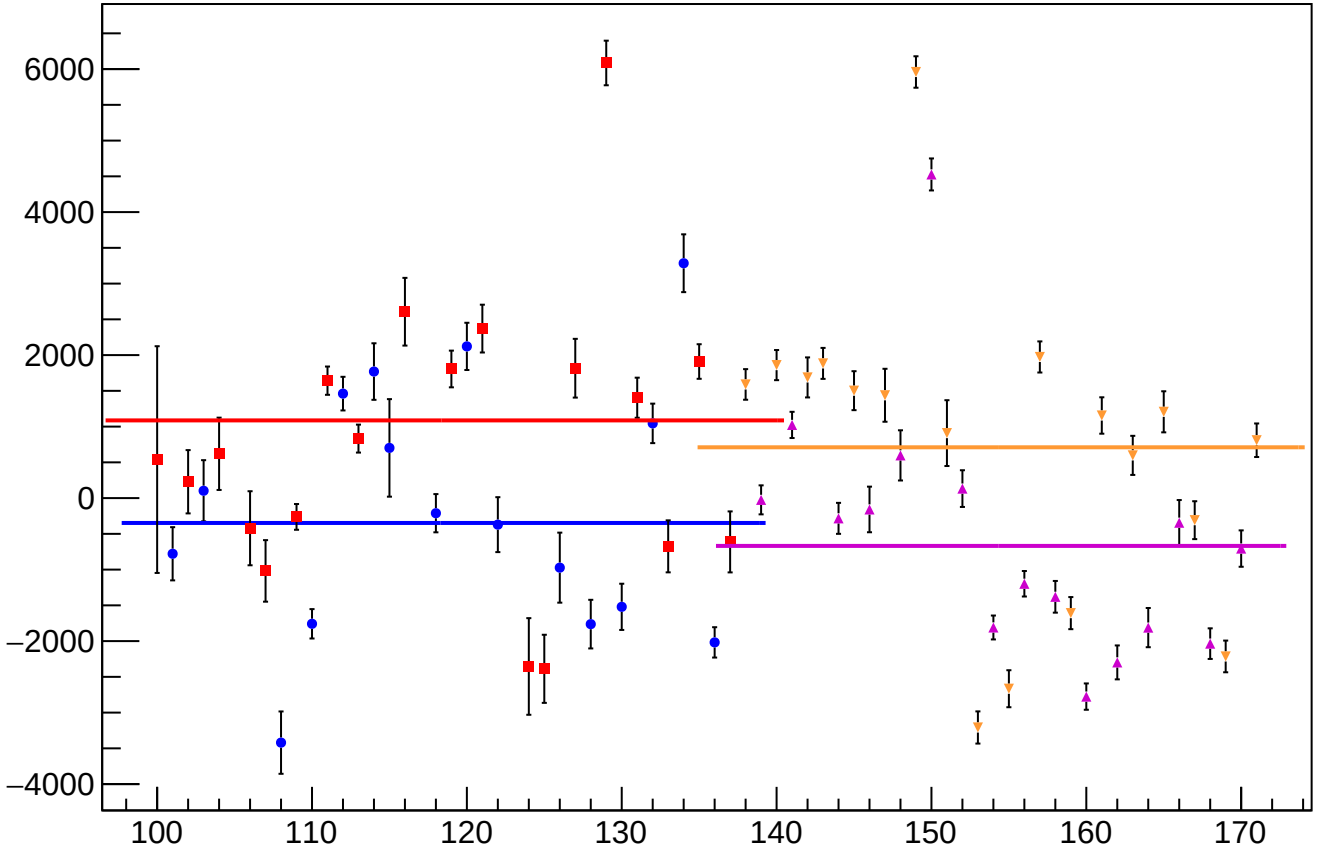
Left In: 197.555+/-0.040 χ^2/NDF:825916.1/15

+ sign 212.936+/-0.034 χ^2/NDF: 1693900.9/33

All: 202.849+/-0.023 χ^2/NDF: 4048046.3/68

- sign 193.955+/-0.032 χ^2/NDF: 2184992.8/34

asym_bpm0l07WS_mean vs Slug



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 710.472+/-58.328 χ^2/NDF:1479.5/17

Right Out: 1086.638+/-71.539 χ^2/NDF: 527.2/18

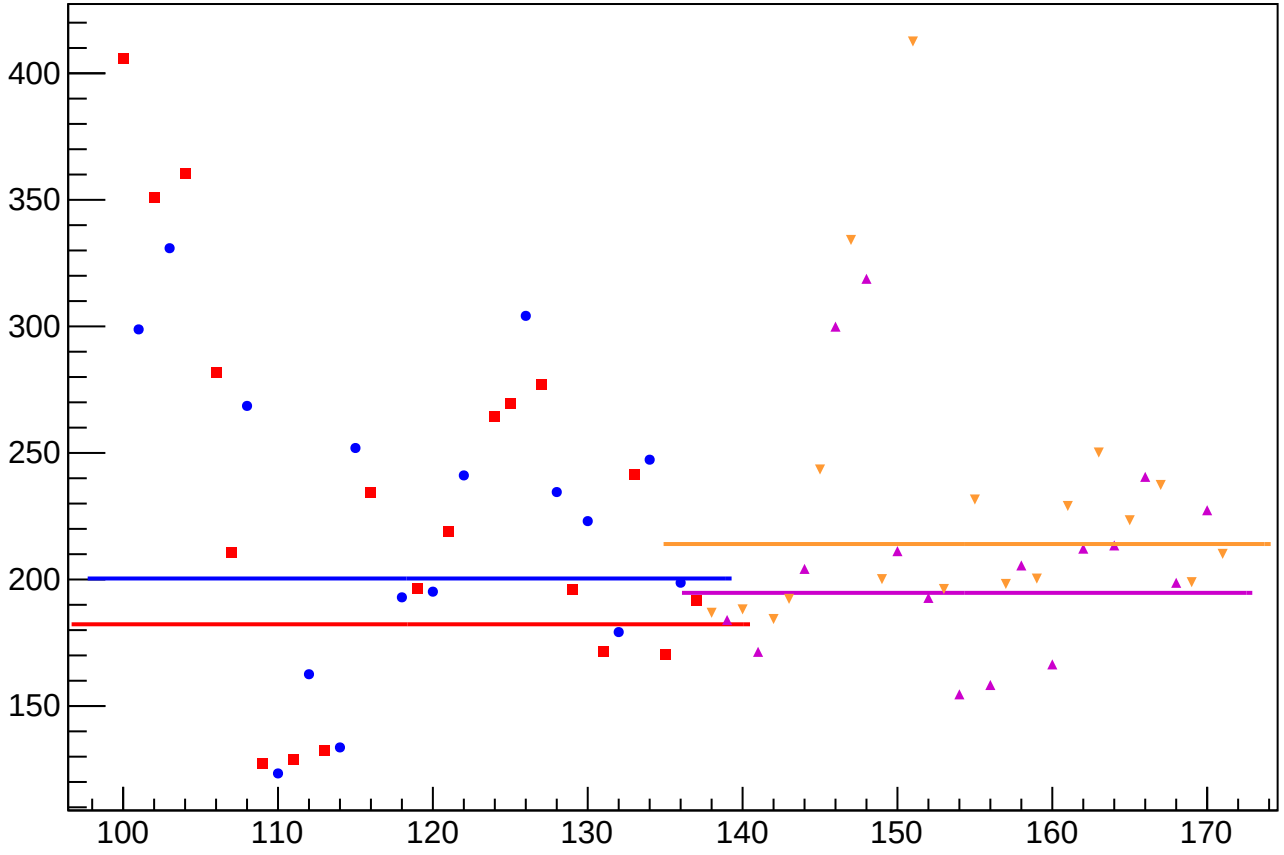
Left In: -668.653+/-55.571 χ^2/NDF:965.8/15

+ sign 334.497+/-46.833 χ^2/NDF: 2042.2/33

All: 152.085+/-32.023 χ^2/NDF: 3939.2/68

- sign -8.093+/-43.886 χ^2/NDF: 1868.5/34

asym_bpm0l07WS_rms vs Slug



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.016+/-0.041 χ^2/NDF:827808.6/17

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

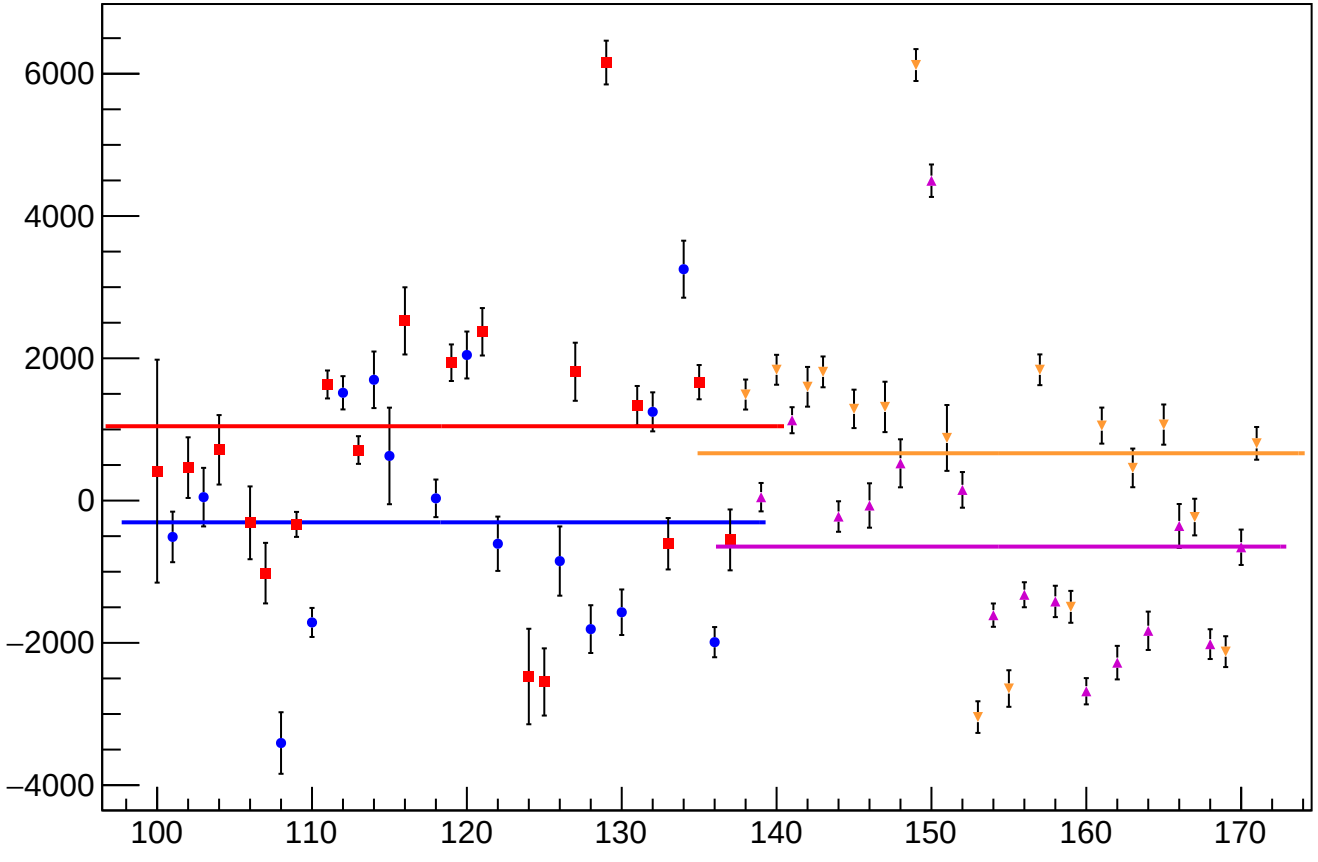
Left In: 194.723+/-0.039 χ^2/NDF:865982.0/15

+ sign 209.177+/-0.033 χ^2/NDF: 1825540.4/33

All: 198.992+/-0.023 χ^2/NDF: 4353983.4/68

- sign 190.049+/-0.031 χ^2/NDF: 2350786.1/34

asym_bpm0l08WS_mean vs Slug



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 665.235+/-57.830 χ^2/NDF:1434.8/17

Right Out: 1045.144+/-70.824 χ^2/NDF: 552.2/18

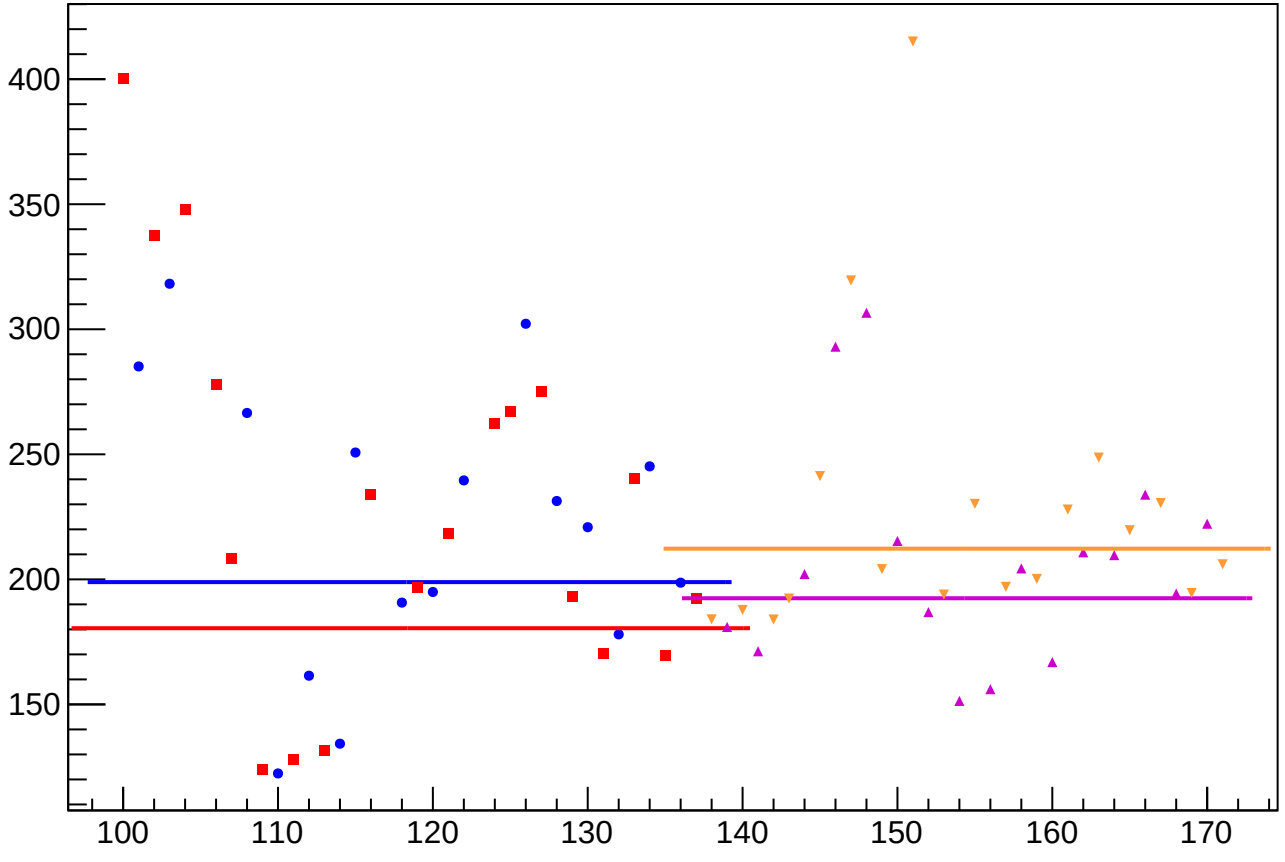
Left In: -646.749+/-54.921 χ^2/NDF:937.6/15

+ sign 320.101+/-46.427 χ^2/NDF: 1986.8/33

All: 143.195+/-31.705 χ^2/NDF: 3860.1/68

- sign -11.399+/-43.401 χ^2/NDF: 1846.1/34

asym_bpm0l08WS_rms vs Slug



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.273+/-0.041 χ^2/NDF:802554.7/17

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

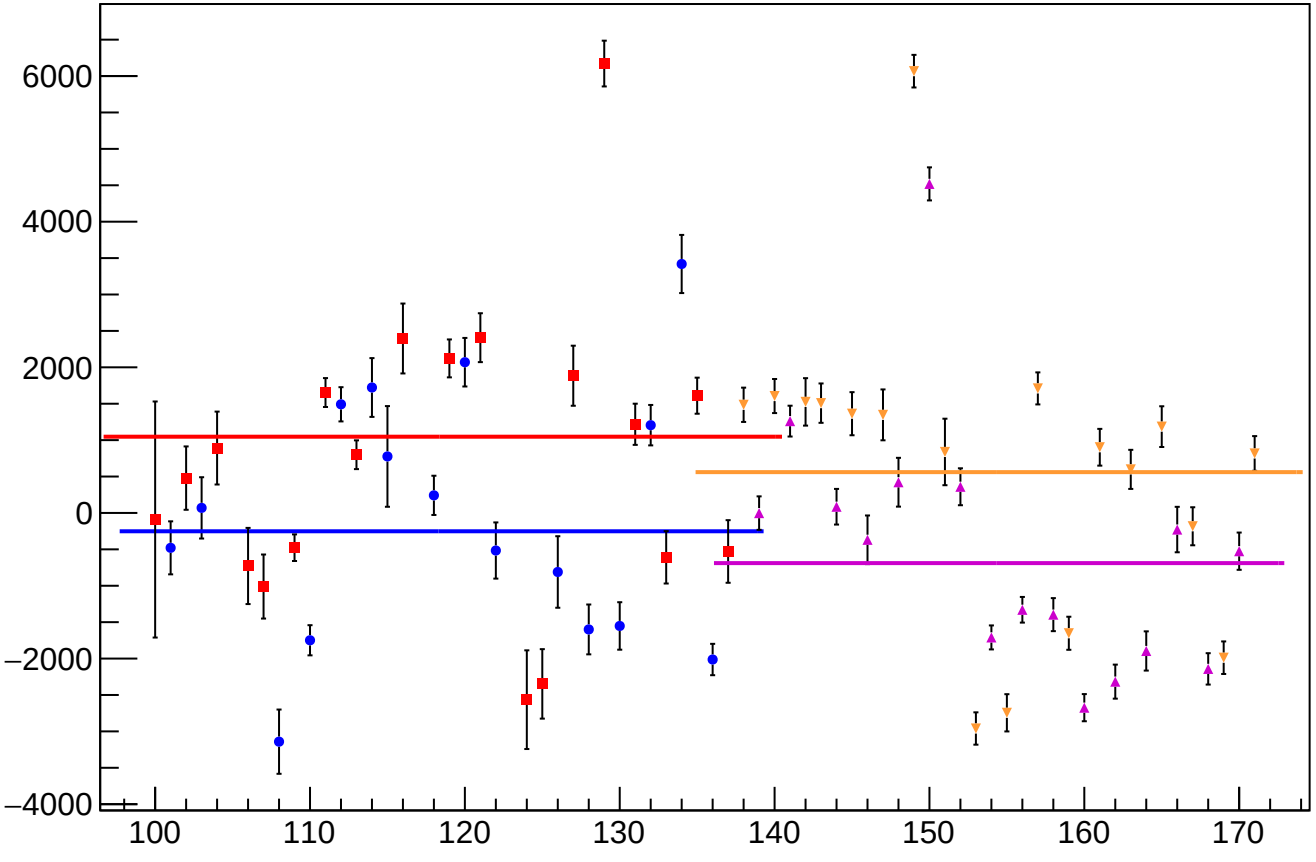
Left In: 192.448+/-0.039 χ^2/NDF:835521.4/15

+ sign 207.520+/-0.033 χ^2/NDF: 1753321.1/33

All: 197.077+/-0.022 χ^2/NDF: 4248599.2/68

- sign 187.951+/-0.031 χ^2/NDF: 2305665.8/34

asym_bpm0l09WS_mean vs Slug



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 560.501+/-60.412 χ^2/NDF:1361.0/17

Right Out: 1047.132+/-72.190 χ^2/NDF: 546.7/18

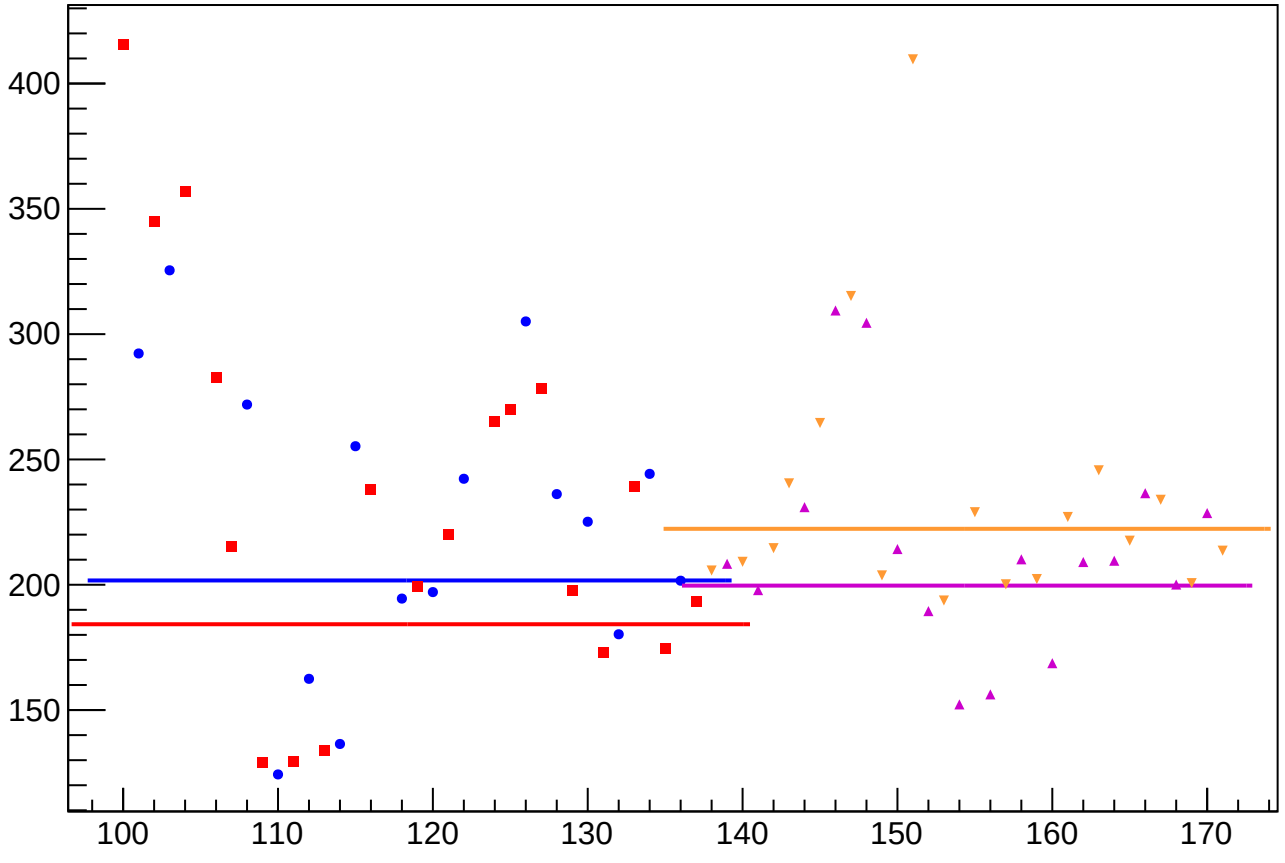
Left In: -688.938+/-57.062 χ^2/NDF:950.1/15

+ sign 260.643+/-47.983 χ^2/NDF: 1869.0/33

All: 109.881+/-32.733 χ^2/NDF: 3740.3/68

- sign -21.345+/-44.766 χ^2/NDF: 1852.8/34

asym_bpm0l09WS_rms vs Slug



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.323+/-0.043 χ^2/NDF:671102.3/17

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

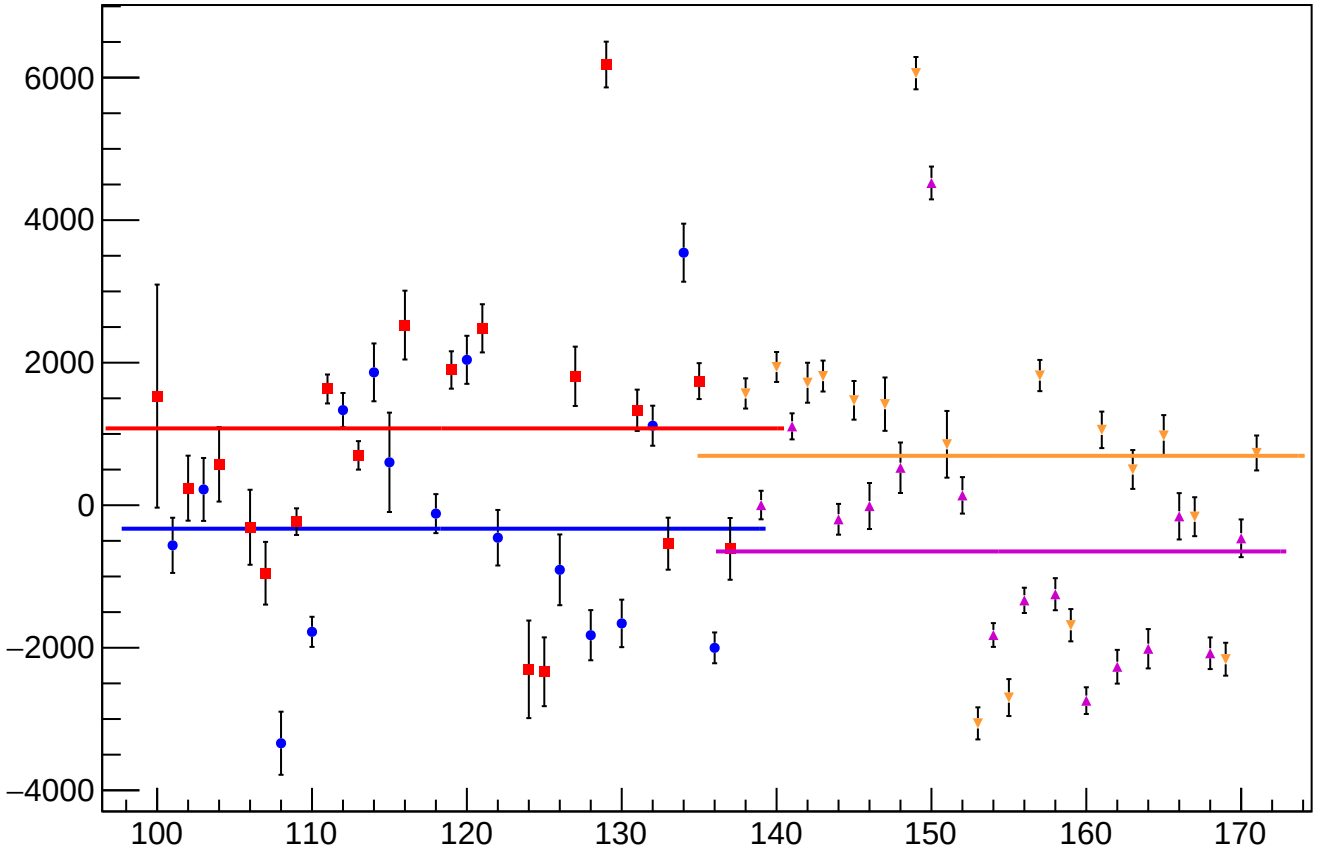
Left In: 199.659+/-0.040 χ^2/NDF:864840.7/15

+ sign 214.715+/-0.034 χ^2/NDF: 1681237.1/33

All: 203.496+/-0.023 χ^2/NDF: 4210463.7/68

- sign 193.731+/-0.032 χ^2/NDF: 2324729.7/34

asym_bpm0l10WS_mean vs Slug



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 693.190+/-58.898 χ^2/NDF:1418.4/17

Right Out: 1077.876+/-73.404 χ^2/NDF: 502.0/18

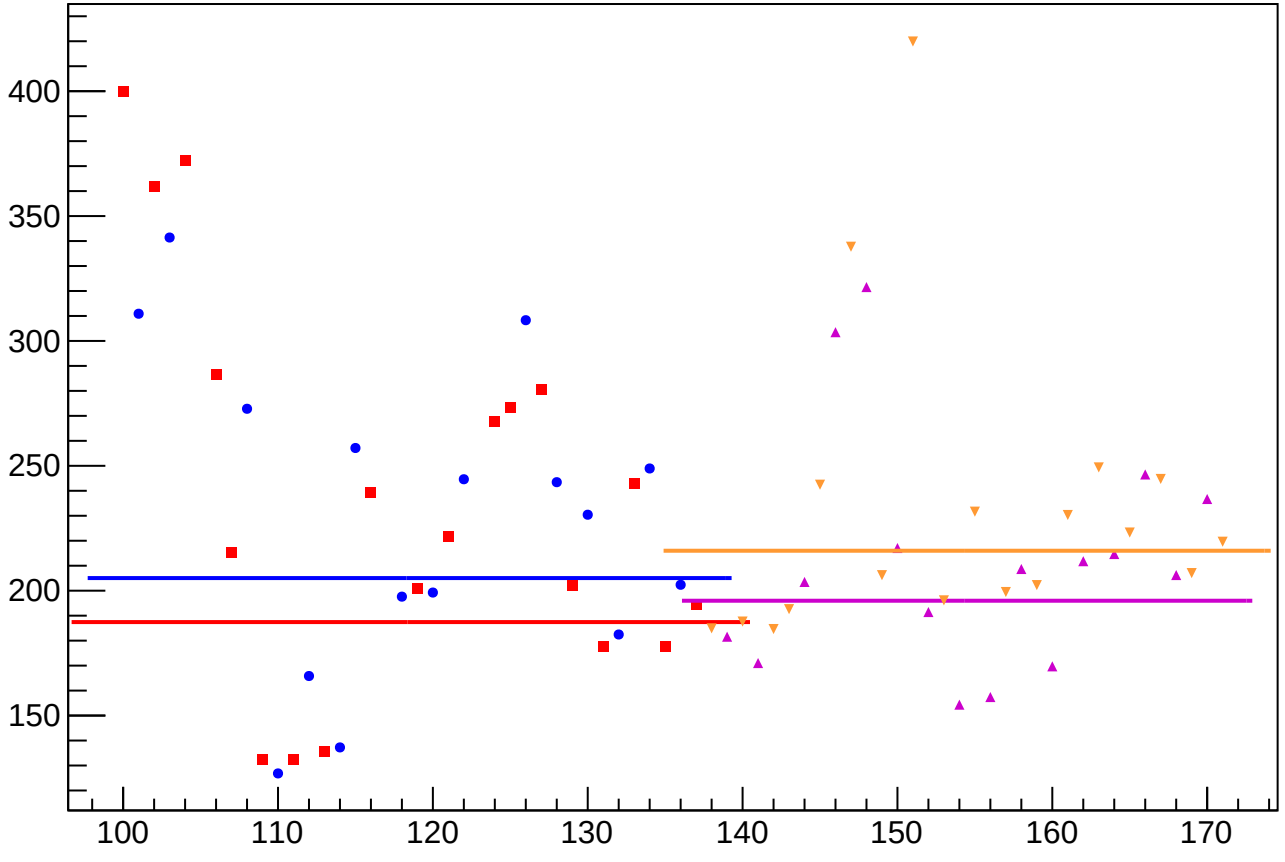
Left In: -648.622+/-56.011 χ^2/NDF:947.9/15

+ sign 335.887+/-47.506 χ^2/NDF: 1960.1/33

All: 150.011+/-32.488 χ^2/NDF: 3788.3/68

- sign -13.293+/-44.529 χ^2/NDF: 1799.5/34

asym_bpm0l10WS_rms vs Slug



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 215.999+/-0.042 χ^2/NDF:846121.9/17

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

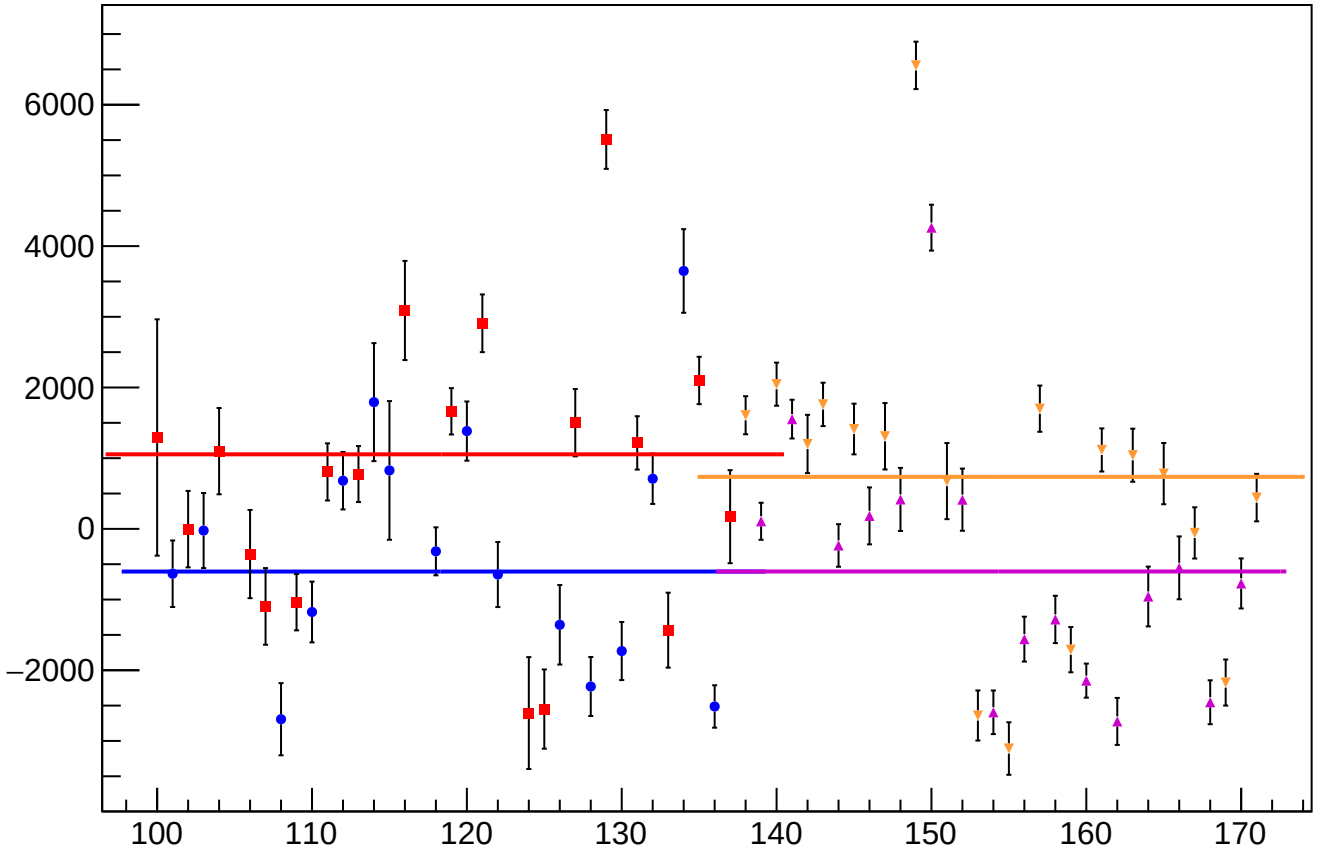
Left In: 195.980+/-0.040 χ^2/NDF:923058.9/15

+ sign 212.175+/-0.034 χ^2/NDF: 1833313.6/33

All: 201.879+/-0.023 χ^2/NDF: 4360771.6/68

- sign 192.834+/-0.031 χ^2/NDF: 2351005.8/34

asym_bpm0r03WS_mean vs Slug



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 735.688+/-81.897 χ^2/NDF:700.1/17

Right Out: 1054.556+/-108.264 χ^2/NDF: 297.7/18

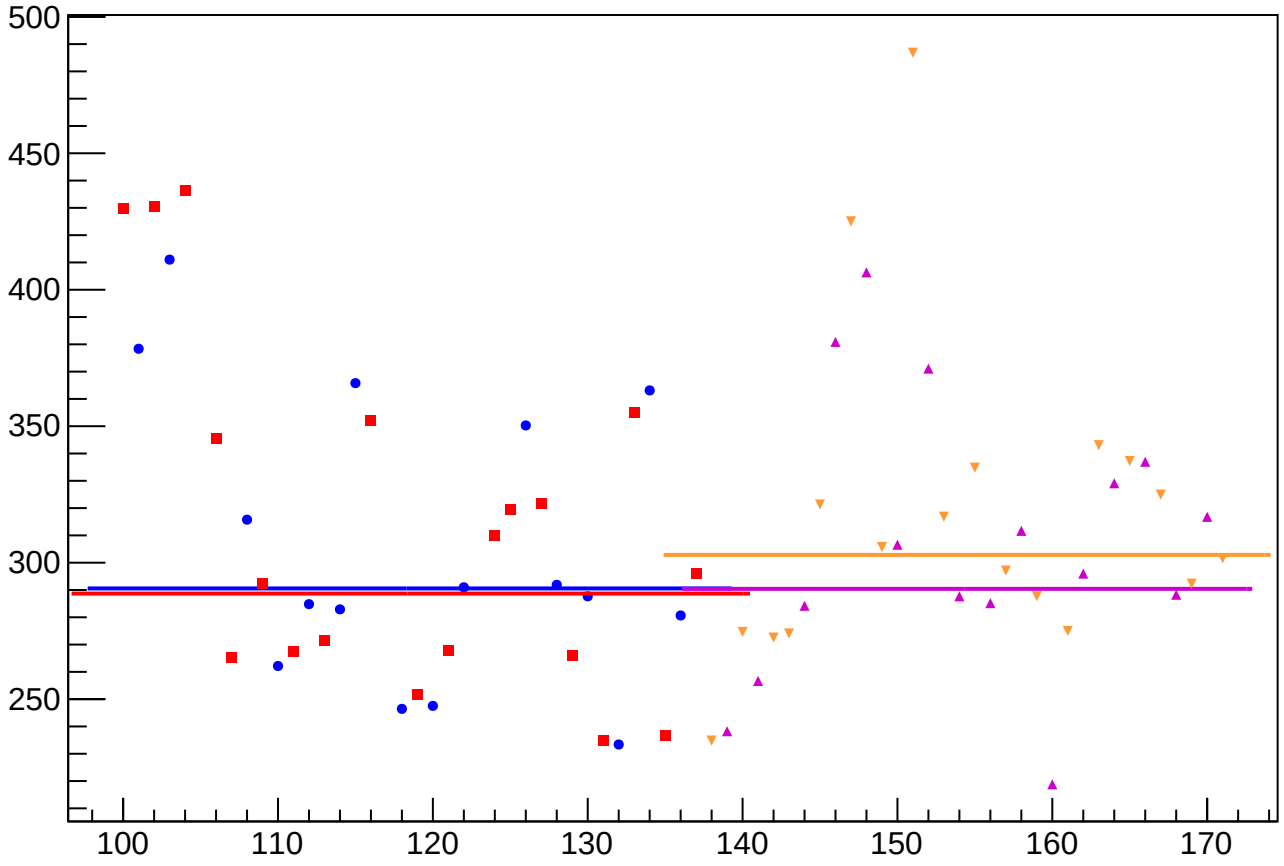
Left In: -602.739+/-81.814 χ^2/NDF:482.8/15

+ sign 261.825+/-65.837 χ^2/NDF: 988.3/33

All: 129.623+/-46.353 χ^2/NDF: 1925.9/68

- sign -0.323+/-65.273 χ^2/NDF: 929.7/34

asym_bpm0r03WS_rms vs Slug



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.856+/-0.058 χ^2/NDF:632295.3/17

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

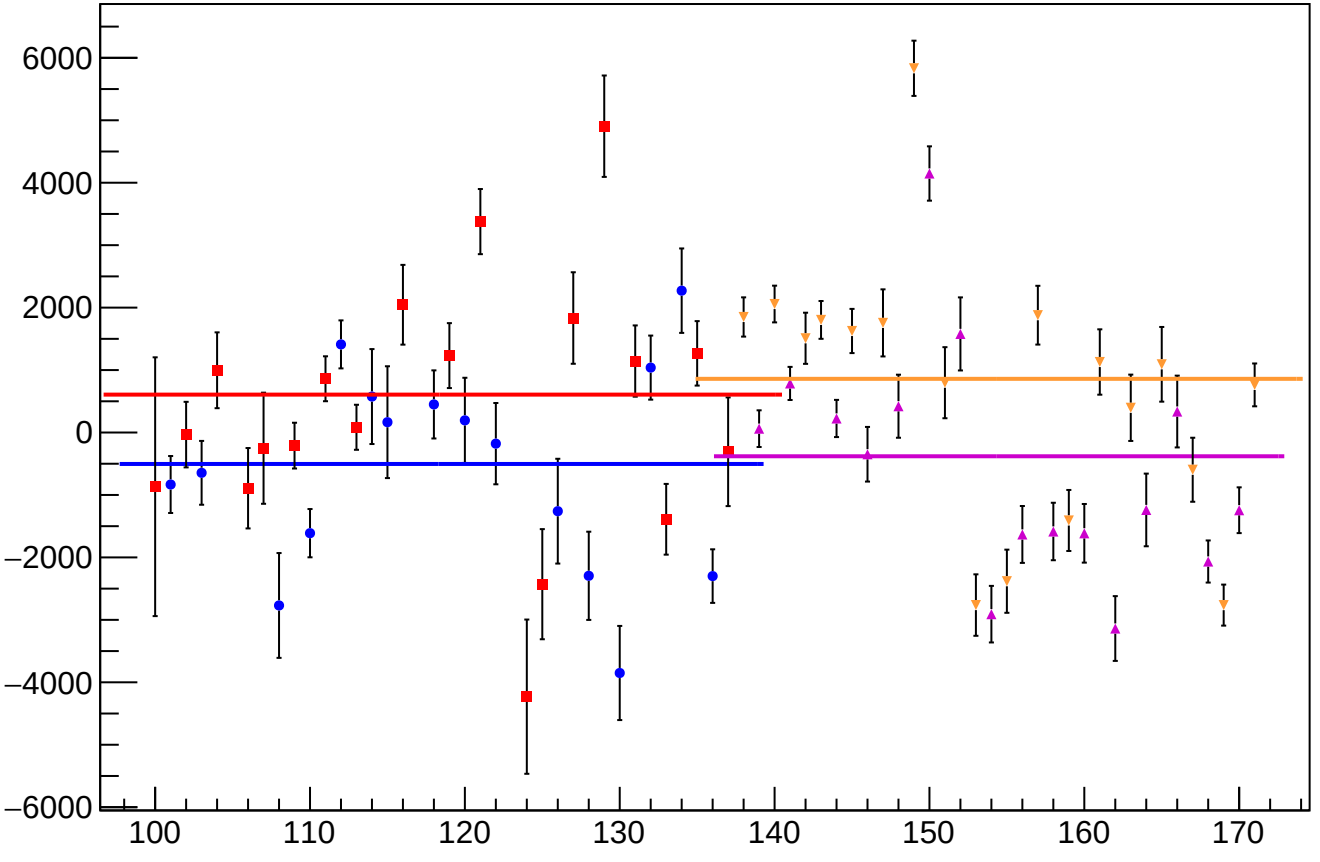
Left In: 290.418+/-0.058 χ^2/NDF:654870.9/15

+ sign 298.508+/-0.047 χ^2/NDF: 1008034.4/33

All: 294.111+/-0.033 χ^2/NDF: 2170019.7/68

- sign 289.788+/-0.046 χ^2/NDF: 1144291.5/34

asym_bpm0r05WS_mean vs Slug



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 859.589+/-96.891 χ^2/NDF:425.2/17

Right Out: 606.880+/-129.609 χ^2/NDF: 125.1/18

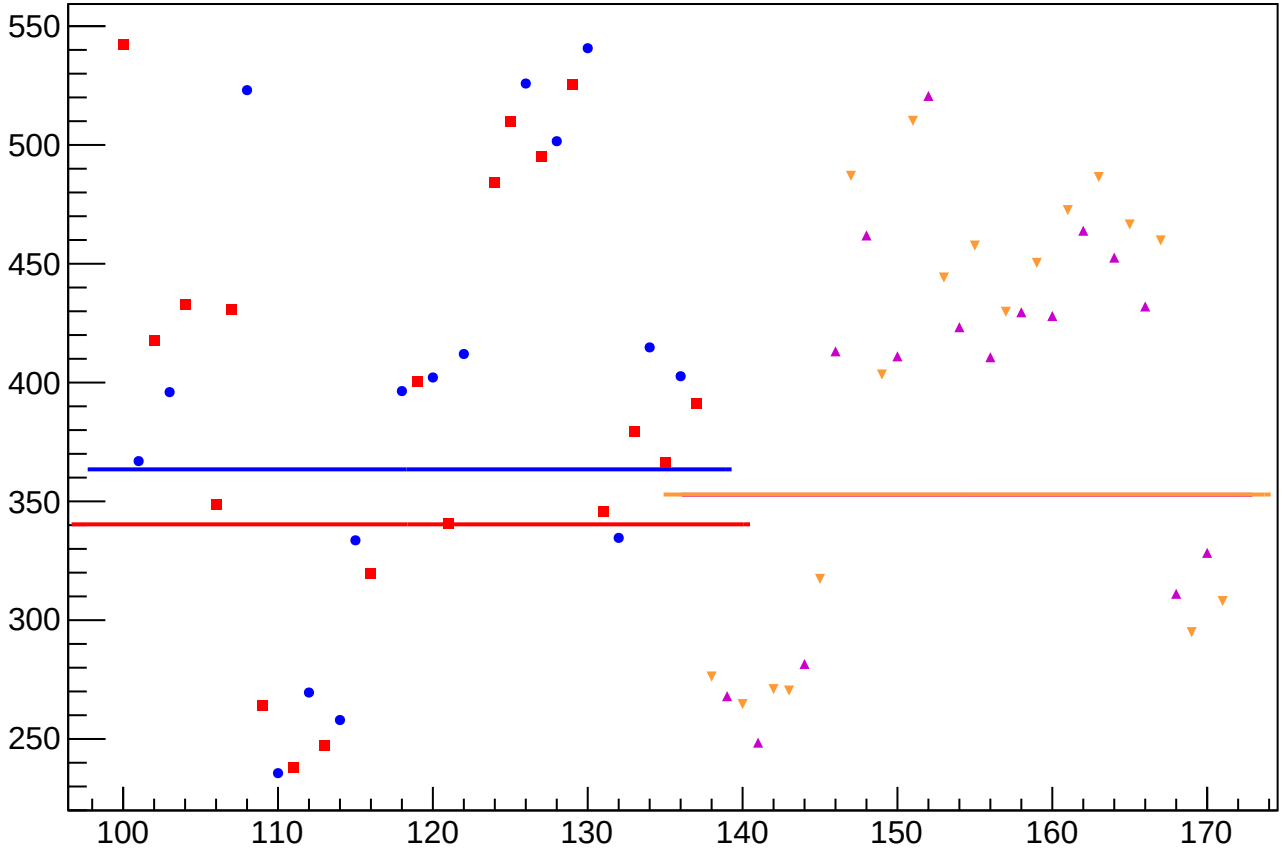
Left In: -380.443+/-100.333 χ^2/NDF:262.9/15

+ sign 418.335+/-79.682 χ^2/NDF: 607.5/33

All: 202.999+/-56.222 χ^2/NDF: 1046.4/68

- sign -10.482+/-79.338 χ^2/NDF: 424.3/34

asym_bpm0r05WS_rms vs Slug



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 352.883+/-0.069 χ^2/NDF:1625493.8/17

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

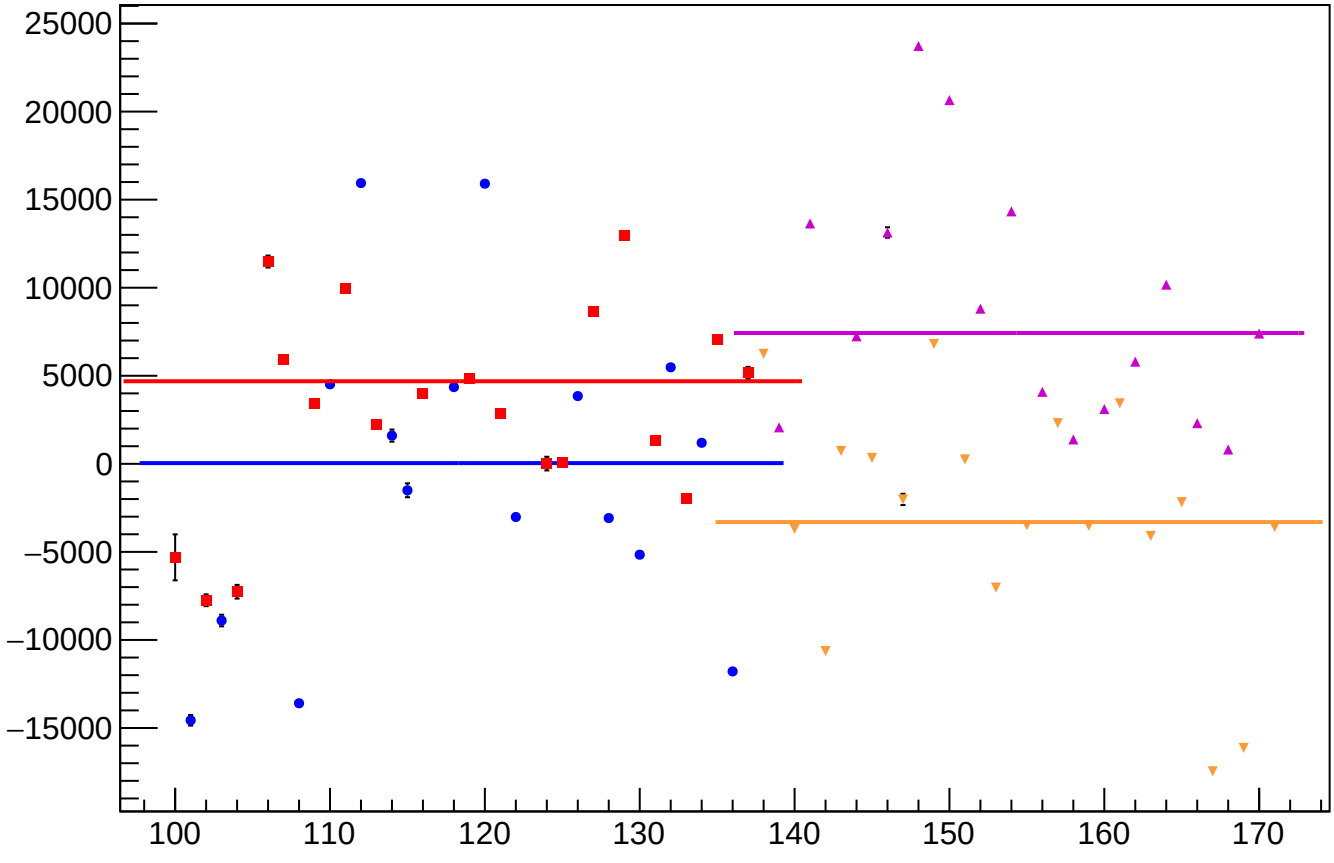
Left In: 352.760+/-0.071 χ^2/NDF:1338673.1/15

+ sign 356.310+/-0.056 χ^2/NDF: 2414116.9/33

All: 352.189+/-0.040 χ^2/NDF: 4631173.4/68

- sign 348.103+/-0.056 χ^2/NDF: 2206401.2/34

asym_bpm0i02WS_mean vs Slug



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3306.194+/-45.499 χ^2/NDF:20112.5/17

Right Out: 4689.710+/-52.095 χ^2/NDF: 7795.7/18

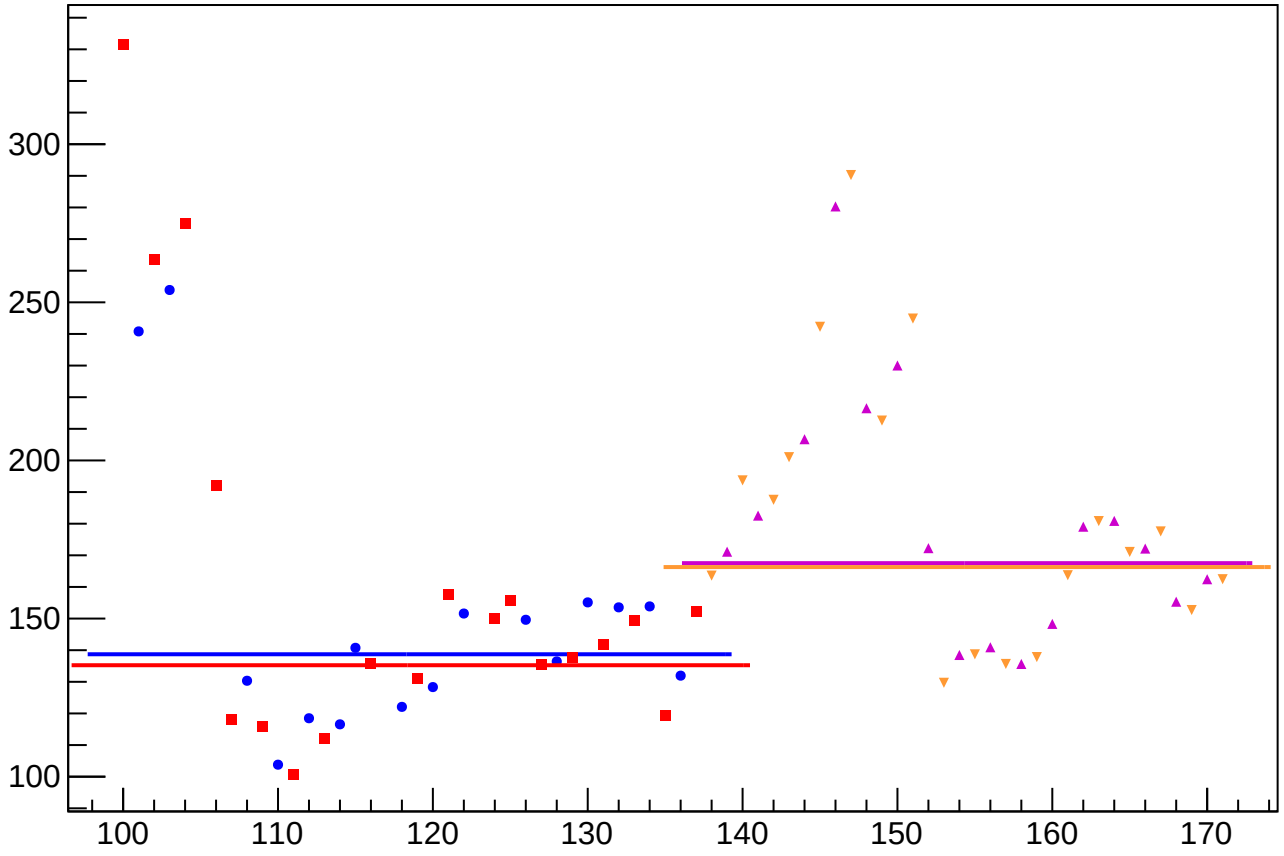
Left In: 7427.090+/-47.770 χ^2/NDF:16829.9/15

+ sign -1922.497+/-34.848 χ^2/NDF: 53136.0/33

All: 2085.406+/-24.768 χ^2/NDF: 105992.2/68

- sign 6176.726+/-35.208 χ^2/NDF: 26125.4/34

asym_bpm0i02WS_rms vs Slug



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.282+/-0.032 χ^2/NDF:1158213.0/17

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

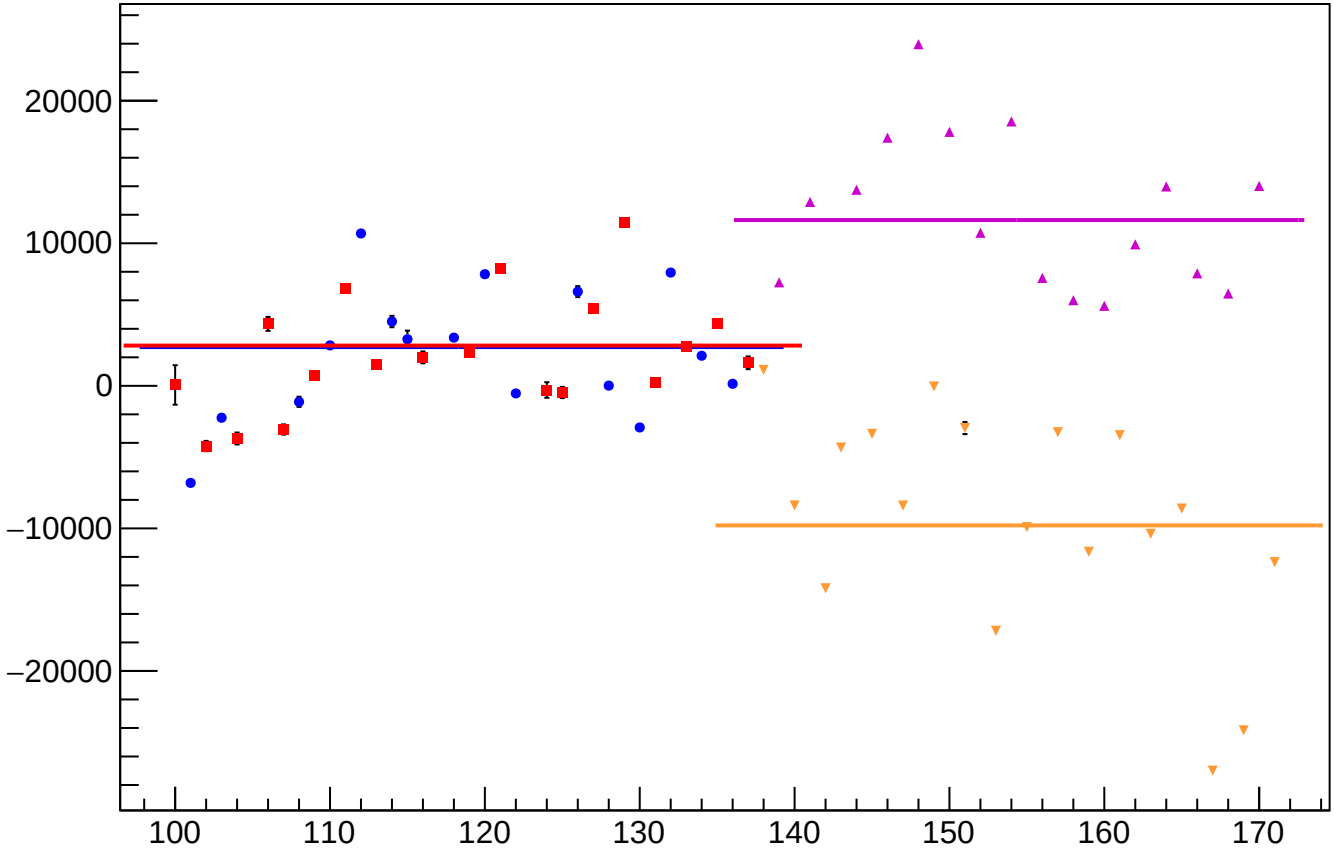
Left In: 167.522+/-0.034 χ^2/NDF:860138.1/15

+ sign 154.885+/-0.025 χ^2/NDF: 2119592.3/33

All: 153.843+/-0.018 χ^2/NDF: 4290442.0/68

- sign 152.779+/-0.025 χ^2/NDF: 2167235.7/34

asym_bpm0i02aWS_mean vs Slug



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9790.510+/-53.302 χ^2/NDF:21756.8/17

Right Out: 2823.679+/-64.850 χ^2/NDF: 3062.8/18

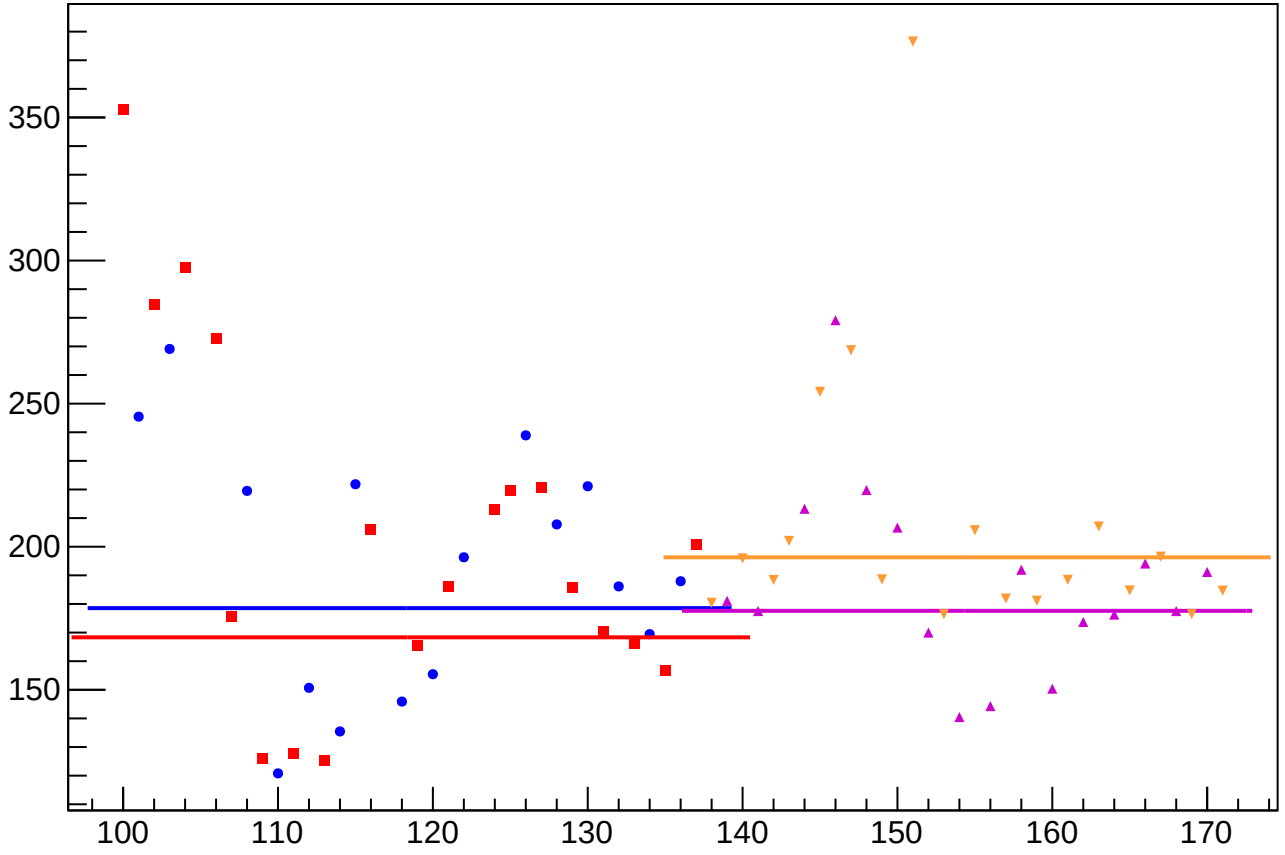
Left In: 11628.579+/-50.533 χ^2/NDF:10328.5/15

+ sign -5135.925+/-42.238 χ^2/NDF: 46381.7/33

All: 1972.024+/-28.990 χ^2/NDF: 124782.0/68

- sign 8302.135+/-39.860 χ^2/NDF: 24861.2/34

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.298+/-0.038 χ^2/NDF:664071.1/17

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

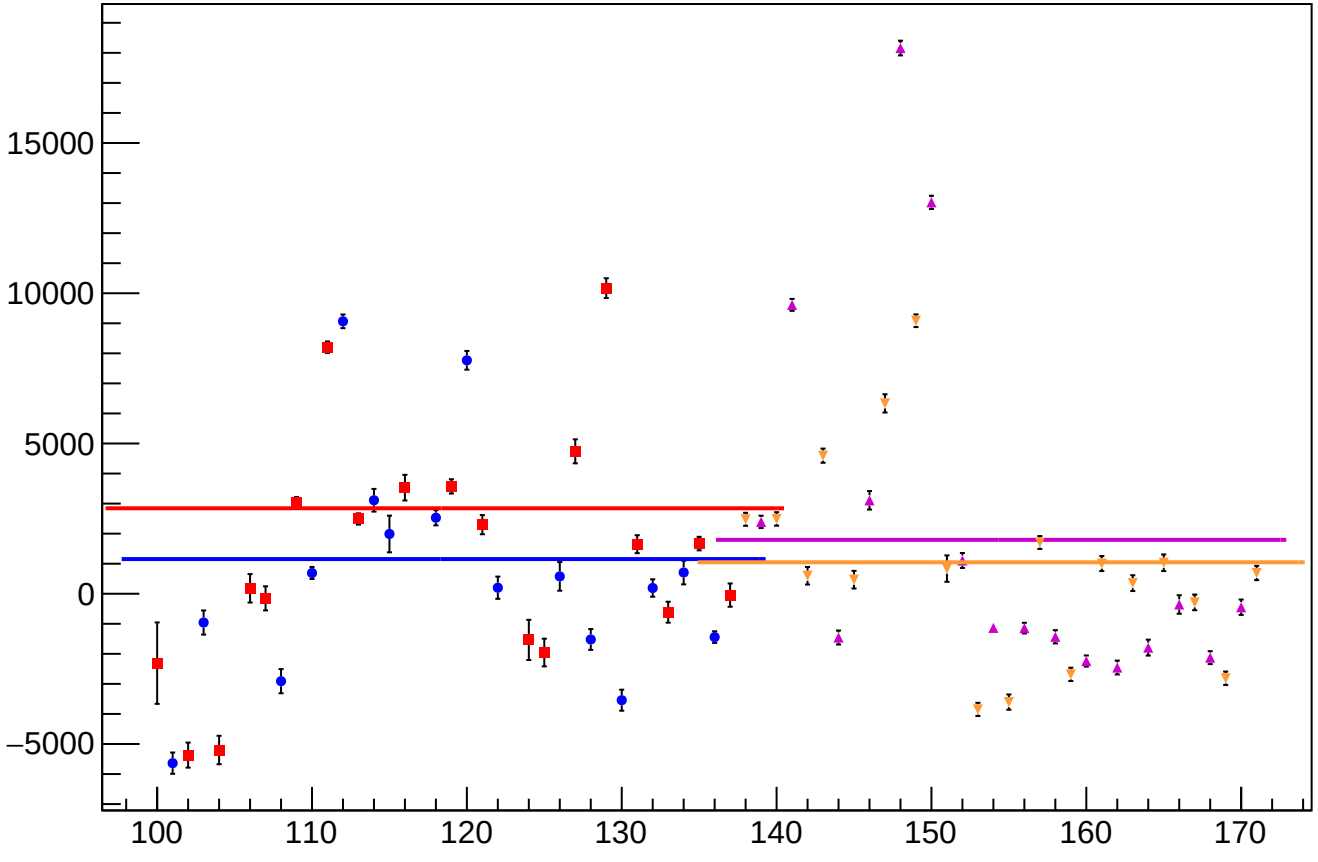
Left In: 177.604+/-0.036 χ^2/NDF:665934.4/15

+ sign 189.692+/-0.030 χ^2/NDF: 1421223.7/33

All: 181.446+/-0.020 χ^2/NDF: 3236175.5/68

- sign 174.102+/-0.028 χ^2/NDF: 1670846.3/34

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1047.122+/-58.258 χ^2/NDF:3527.1/17

Right Out: 2843.895+/-69.139 χ^2/NDF: 2453.1/18

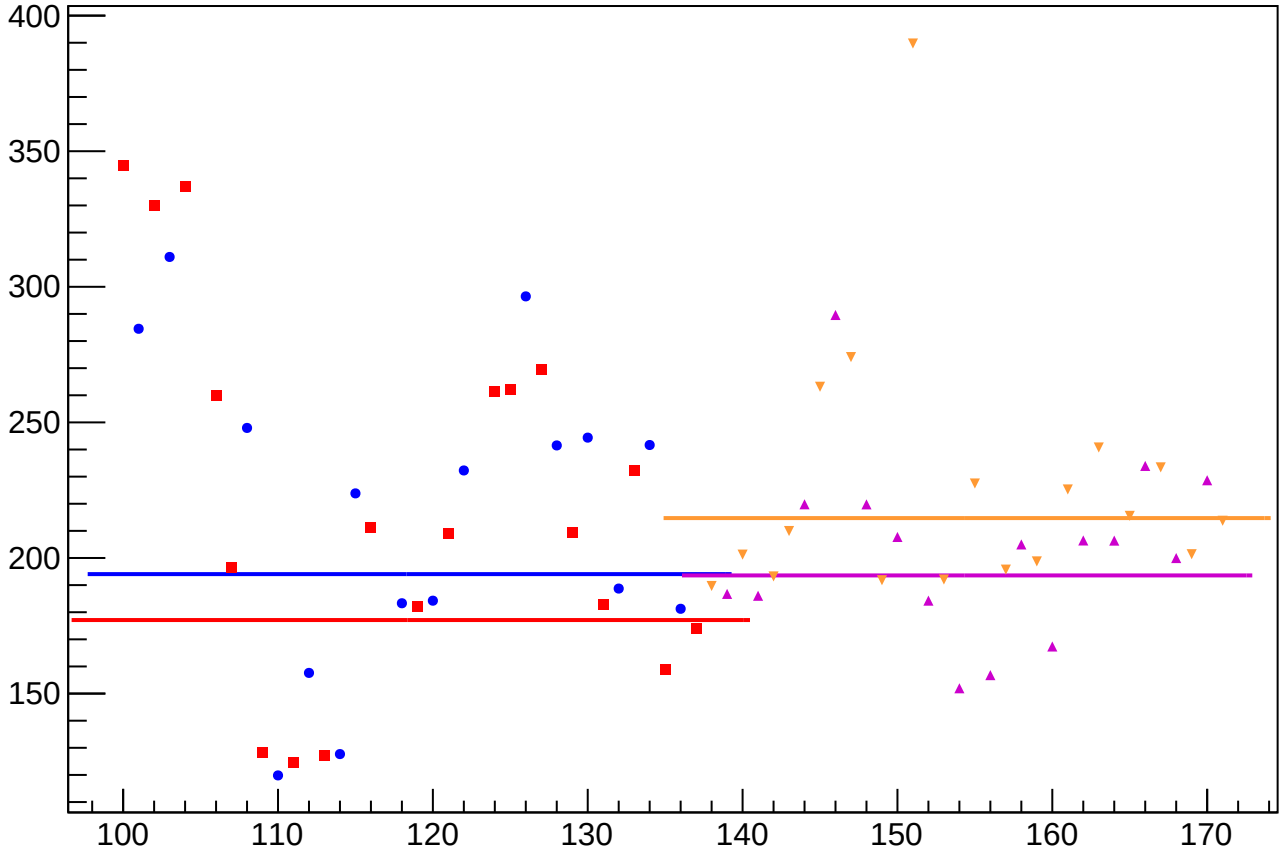
Left In: 1793.790+/-55.032 χ^2/NDF:11082.0/15

+ sign 1086.642+/-46.227 χ^2/NDF: 6183.7/33

All: 1683.358+/-31.507 χ^2/NDF: 20171.2/68

- sign 2201.059+/-43.057 χ^2/NDF: 13676.4/34

asym_bpm0i05WS_rms vs Slug



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.712+/-0.041 χ^2/NDF:609998.8/17

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

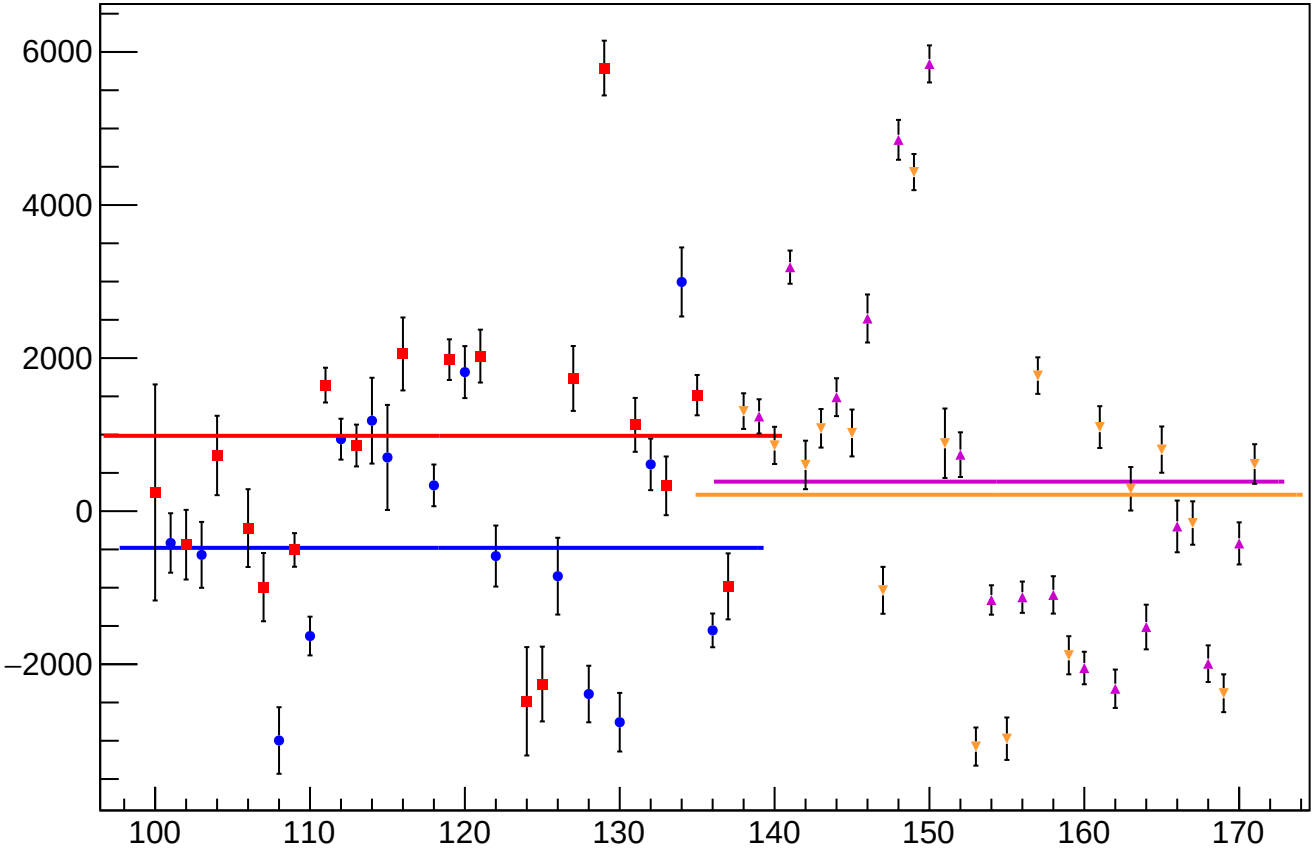
Left In: 193.571+/-0.039 χ^2/NDF:603152.3/15

+ sign 207.060+/-0.033 χ^2/NDF: 1668941.0/33

All: 196.420+/-0.022 χ^2/NDF: 3898694.4/68

- sign 187.189+/-0.030 χ^2/NDF: 2031853.8/34

asym_bpm0i07WS_mean vs Slug



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 214.749+/-63.457 χ^2/NDF:935.3/17

Right Out: 984.498+/-80.945 χ^2/NDF: 398.1/18

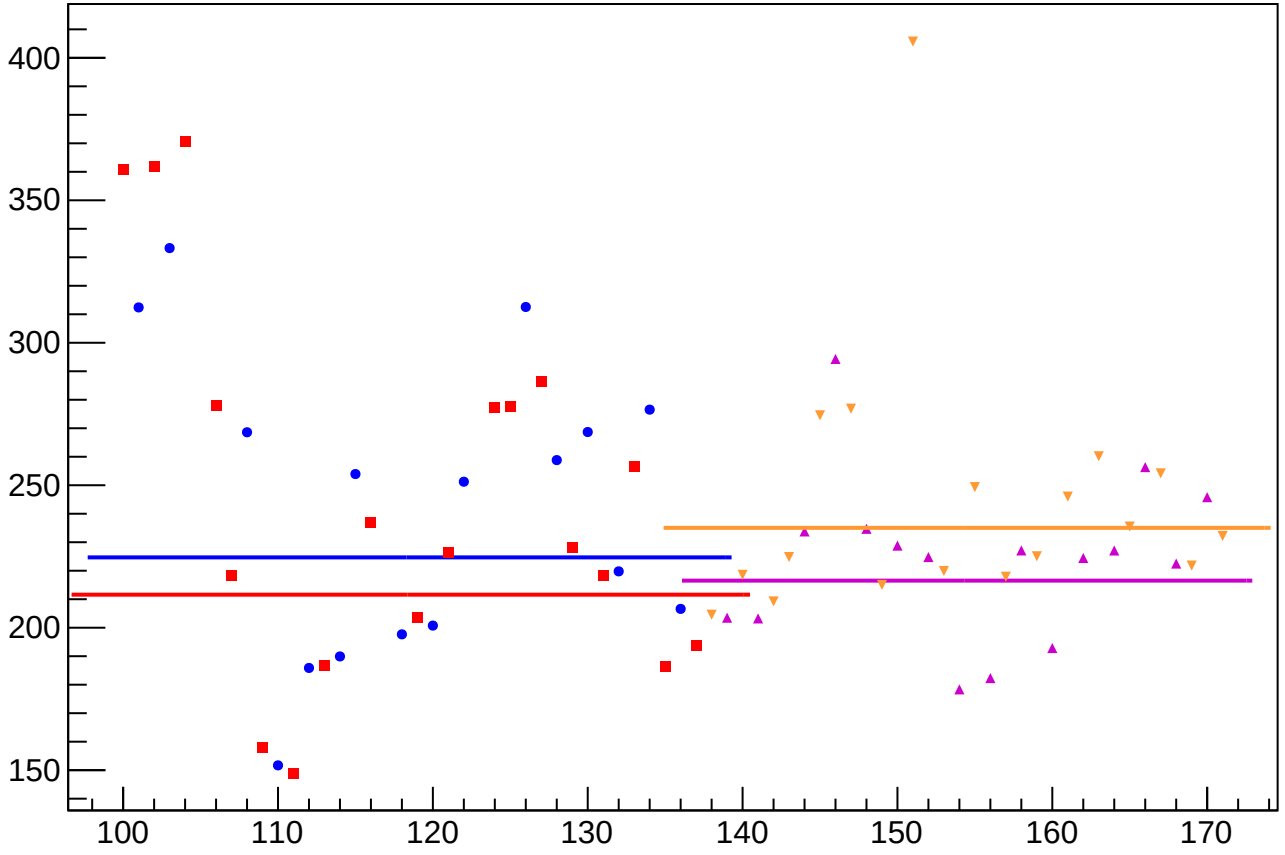
Left In: 385.709+/-61.066 χ^2/NDF:1606.4/15

+ sign -27.410+/-51.203 χ^2/NDF: 1282.5/33

All: 303.207+/-35.307 χ^2/NDF: 3401.4/68

- sign 602.893+/-48.749 χ^2/NDF: 2039.4/34

asym_bpm0i07WS_rms vs Slug



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.048+/-0.045 χ^2/NDF:487894.6/17

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

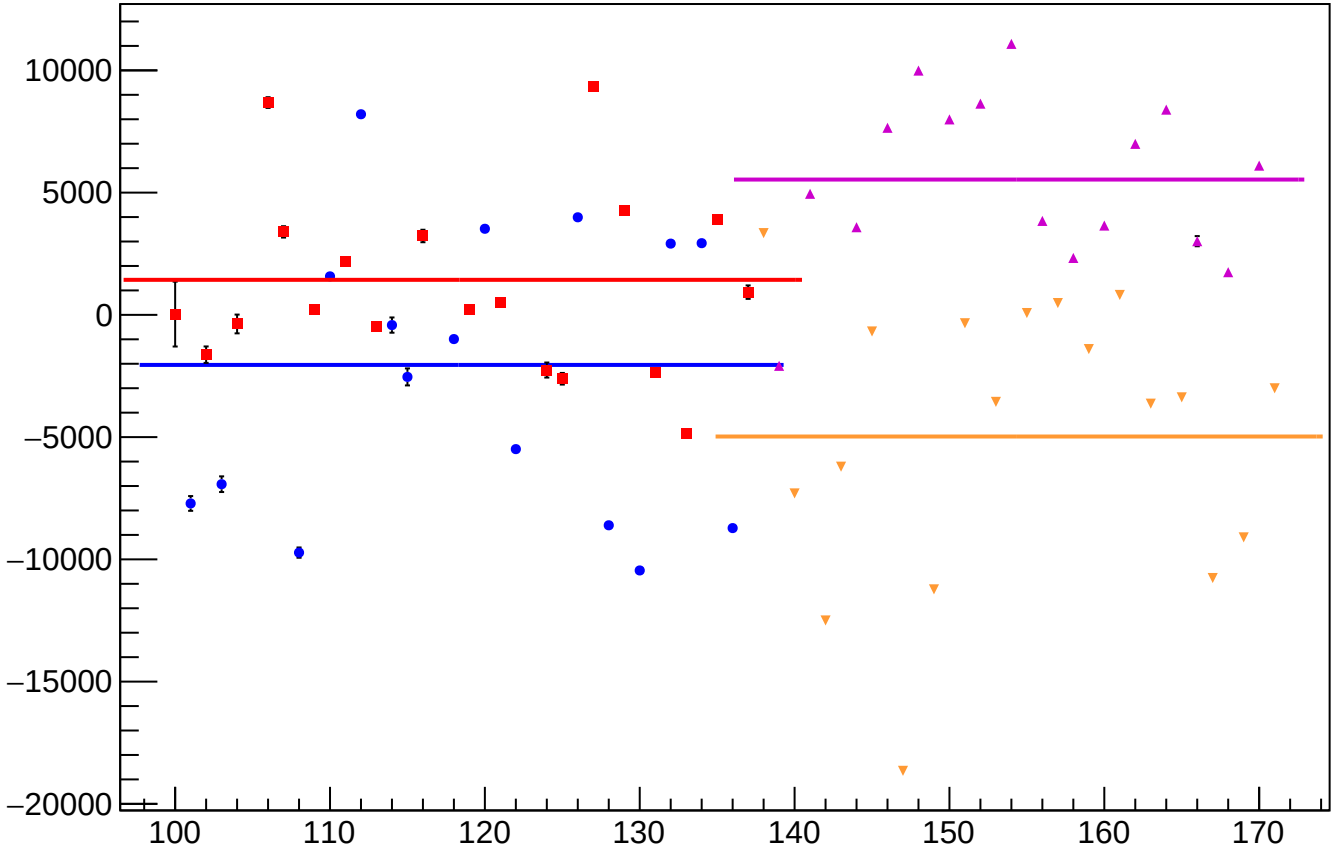
Left In: 216.522+/-0.043 χ^2/NDF:383131.0/15

+ sign 231.432+/-0.036 χ^2/NDF: 1159707.3/33

All: 222.674+/-0.025 χ^2/NDF: 2592010.3/68

- sign 214.735+/-0.034 χ^2/NDF: 1320756.6/34

asym_bpm1i02WS_mean vs Slug



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4975.350+/-33.293 χ^2/NDF:31638.2/17

Right Out: 1432.909+/-44.729 χ^2/NDF: 6387.8/18

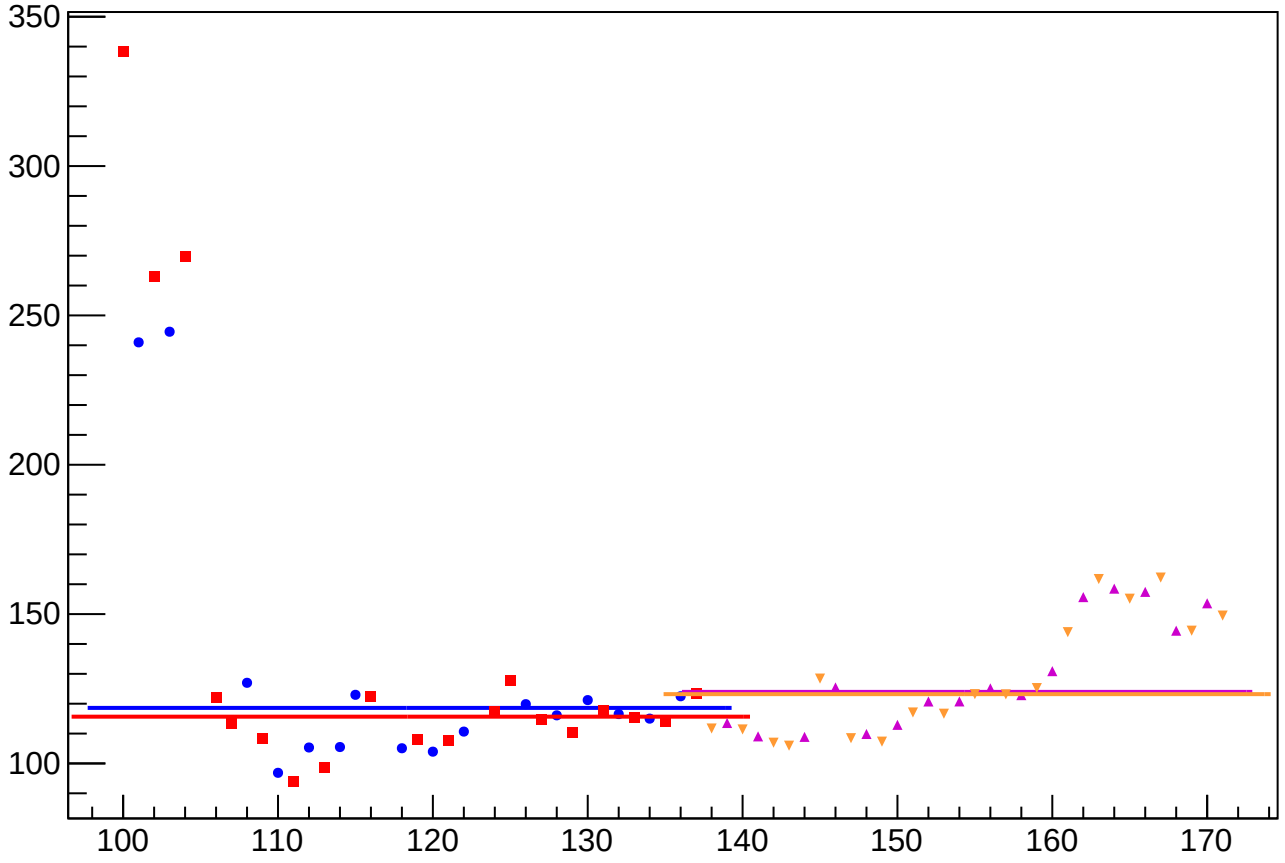
Left In: 5534.128+/-34.707 χ^2/NDF:10238.4/15

+ sign -3989.262+/-27.114 χ^2/NDF: 50952.3/33

All: -43.179+/-19.280 χ^2/NDF: 115671.9/68

- sign 3992.814+/-27.421 χ^2/NDF: 21873.7/34

asym_bpm1i02WS_rms vs Slug



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 123.201+/-0.024 χ^2/NDF:530736.7/17

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

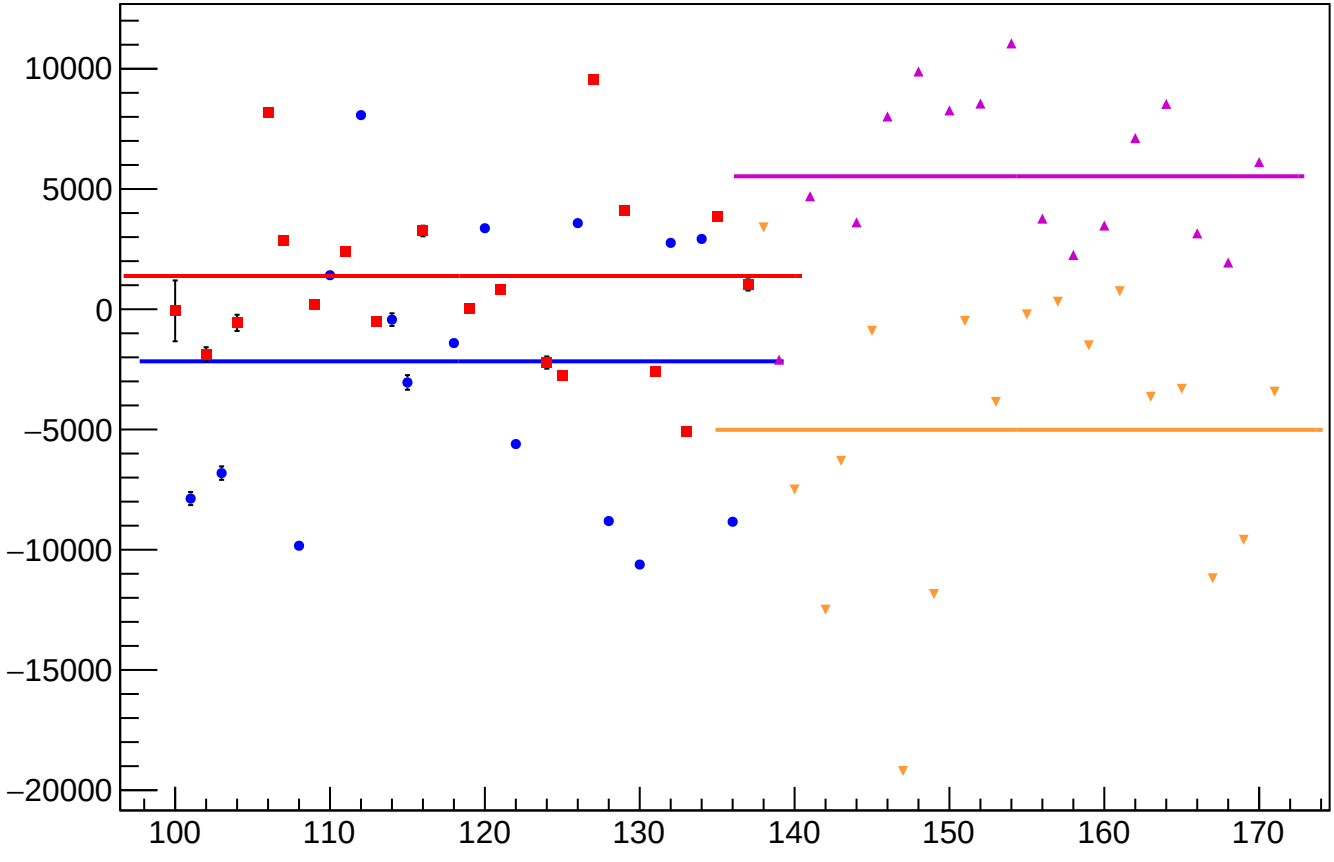
Left In: 123.954+/-0.025 χ^2/NDF:399765.1/15

+ sign 121.650+/-0.019 χ^2/NDF: 1277782.2/33

All: 121.248+/-0.014 χ^2/NDF: 2585574.3/68

- sign 120.837+/-0.019 χ^2/NDF: 1306903.1/34

asym_bpm1i04WS_mean vs Slug



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5013.827+/-30.011 χ^2/NDF:38795.6/17

Right Out: 1383.103+/-37.976 χ^2/NDF: 9148.6/18

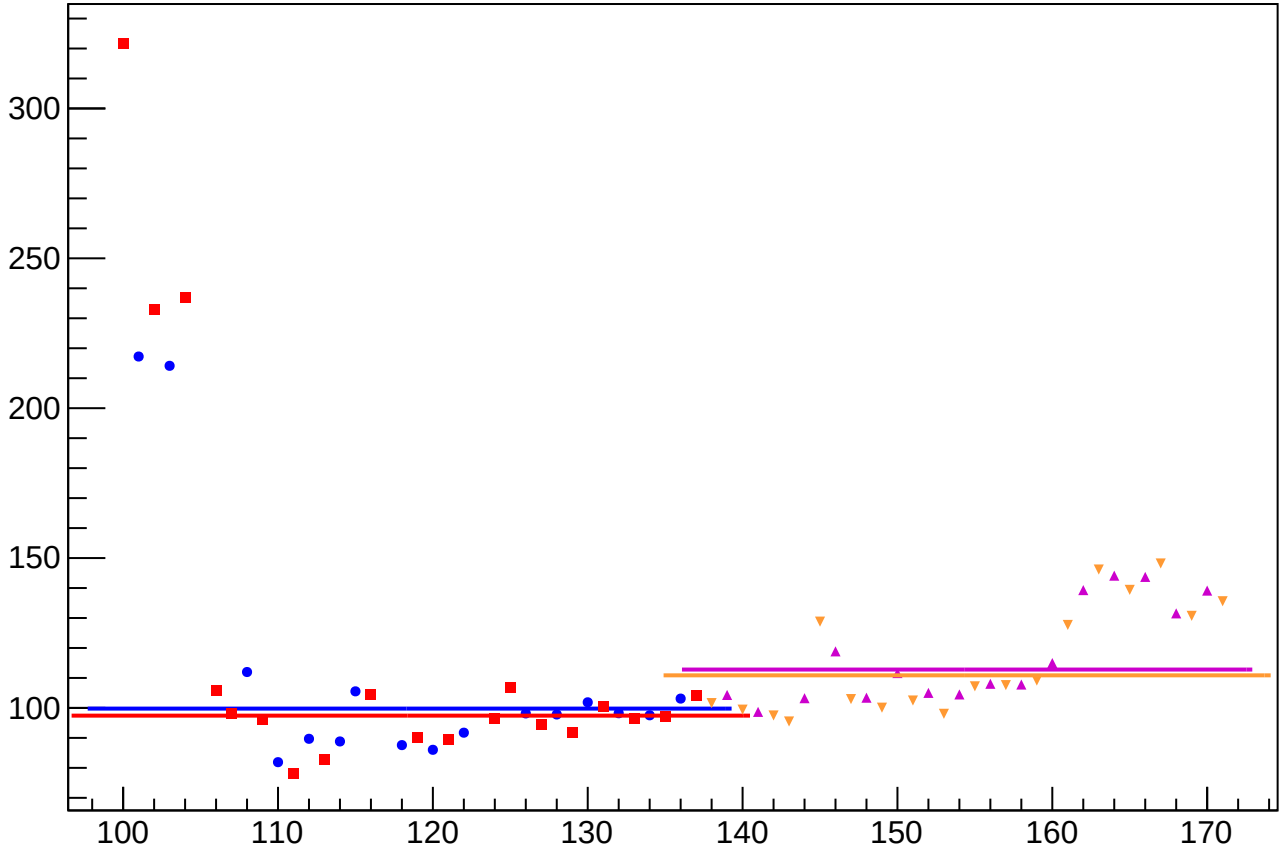
Left In: 5529.568+/-31.592 χ^2/NDF:12553.0/15

+ sign -3975.924+/-23.925 χ^2/NDF: 64952.3/33

All: -129.664+/-17.044 χ^2/NDF: 146174.7/68

- sign 3833.663+/-24.287 χ^2/NDF: 28747.4/34

asym_bpm1i04WS_rms vs Slug



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 110.873+/-0.021 χ^2/NDF:559420.7/17

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

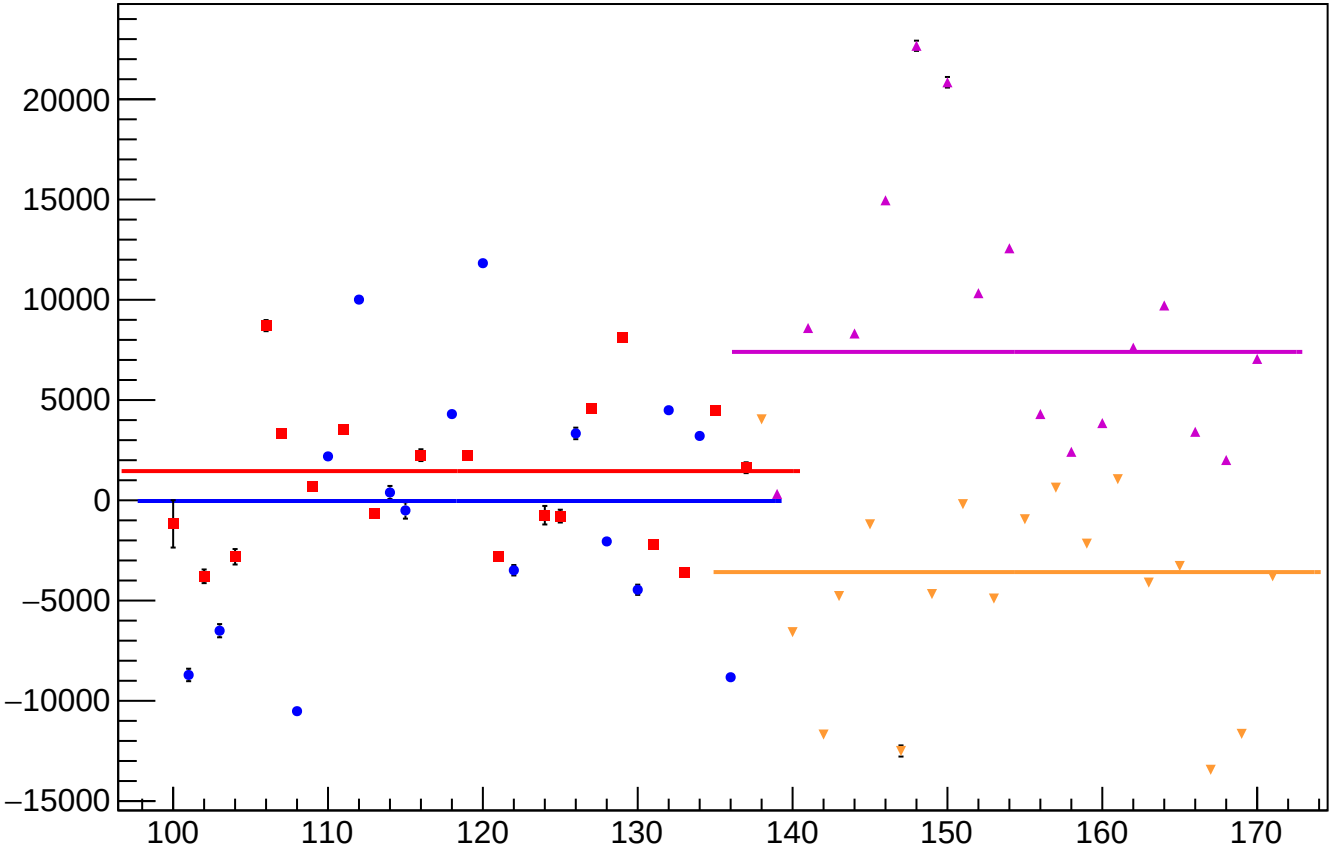
Left In: 112.801+/-0.022 χ^2/NDF:366093.8/15

+ sign 106.828+/-0.017 χ^2/NDF: 1468250.2/33

All: 106.673+/-0.012 χ^2/NDF: 2954274.2/68

- sign 106.513+/-0.017 χ^2/NDF: 1485853.6/34

asym_bpm1i06WS_mean vs Slug



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3579.578+/-42.104 χ^2/NDF:11974.0/17

Right Out: 1456.665+/-51.946 χ^2/NDF: 4117.0/18

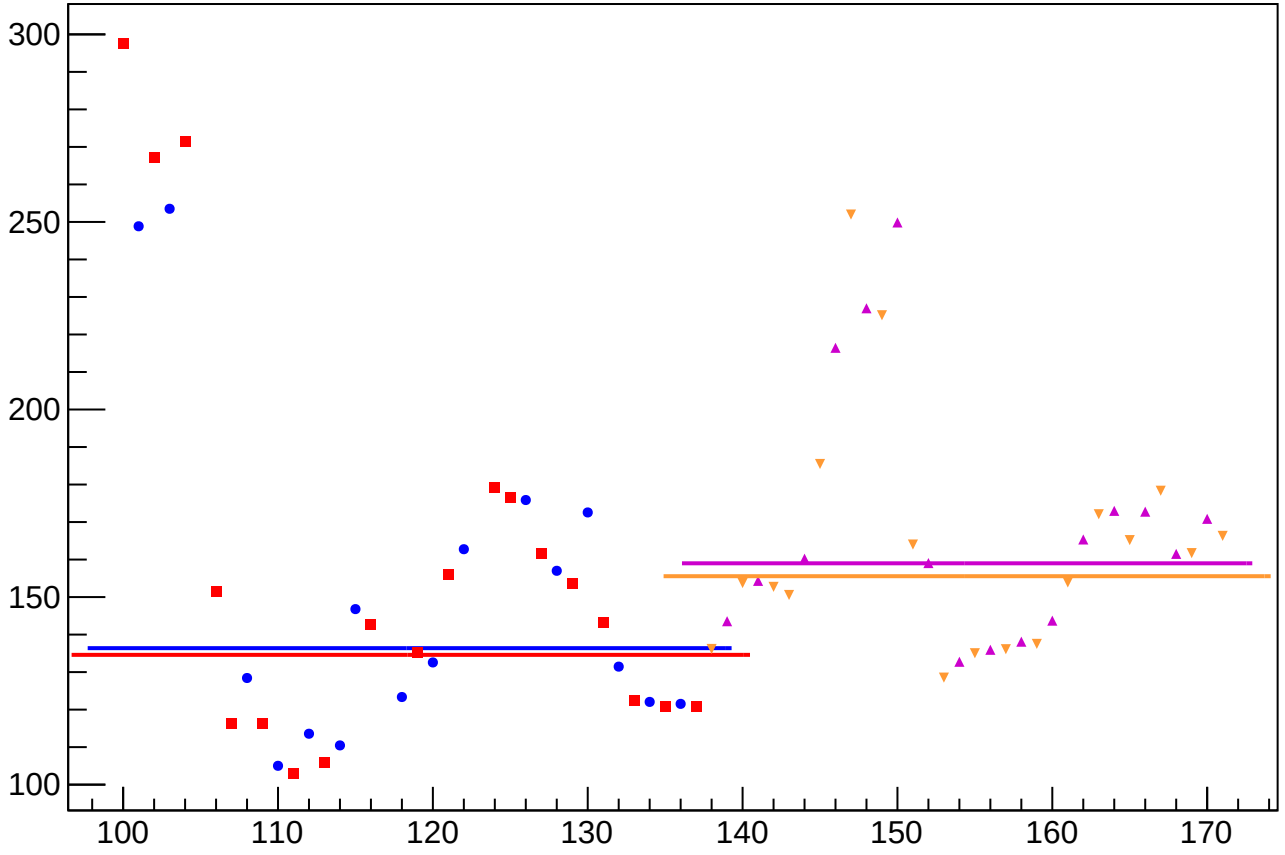
Left In: 7401.023+/-44.812 χ^2/NDF:14339.3/15

+ sign -2222.664+/-33.078 χ^2/NDF: 31490.1/33

All: 1230.859+/-23.686 χ^2/NDF: 79823.8/68

- sign 4864.720+/-33.931 χ^2/NDF: 25964.1/34

asym_bpm1i06WS_rms vs Slug



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 155.564+/-0.030 χ^2/NDF:706238.0/17

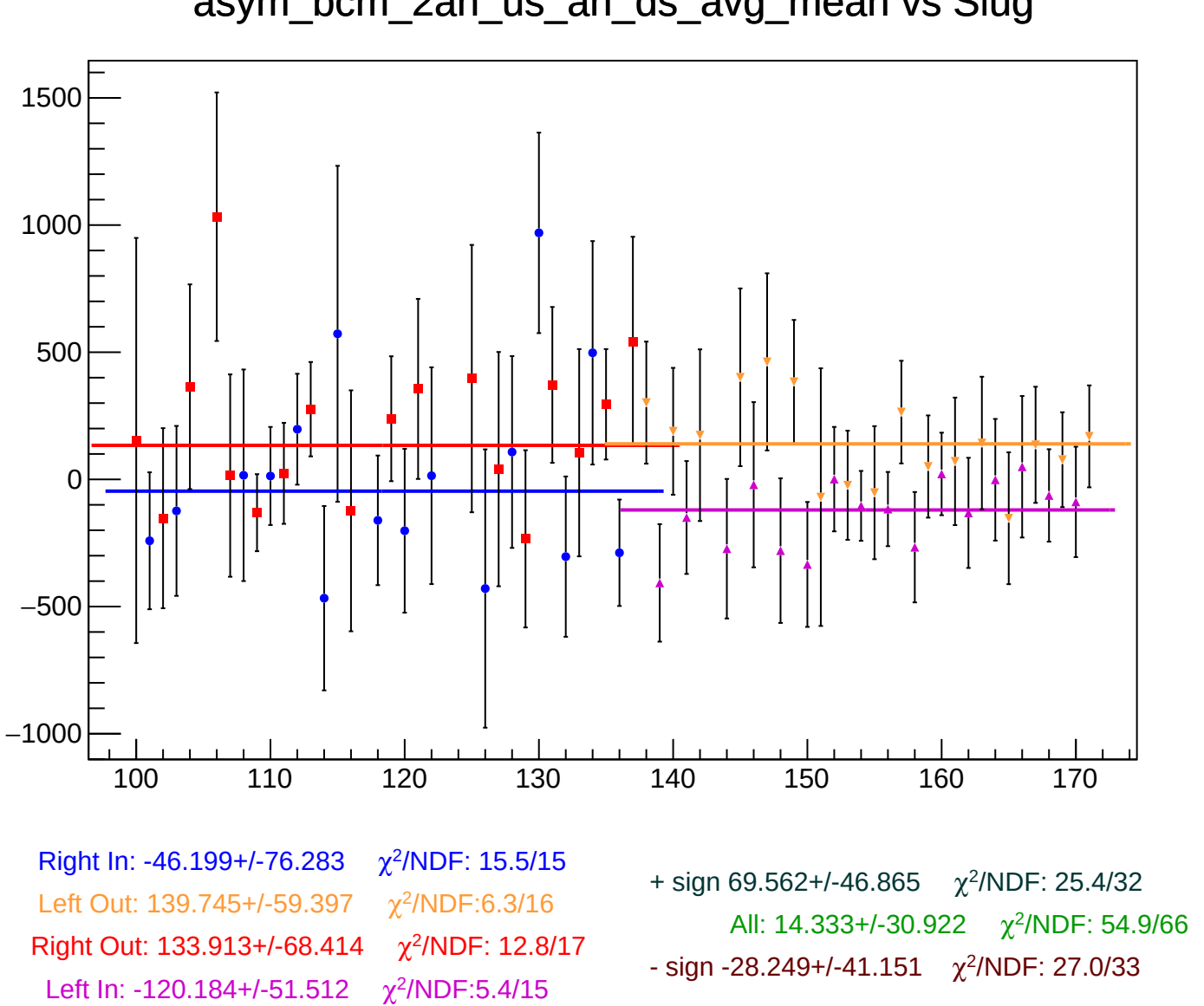
Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 159.003+/-0.032 χ^2/NDF:723587.6/15

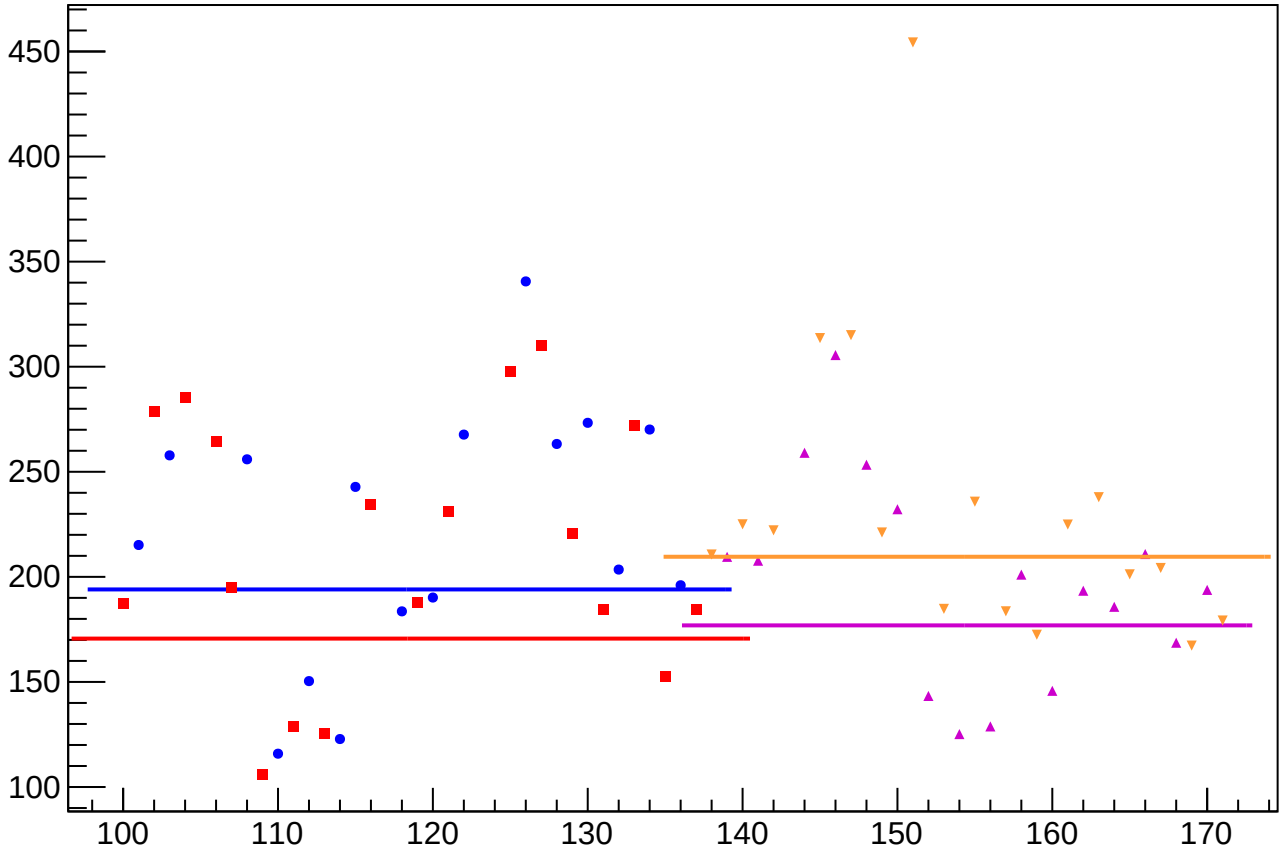
+ sign 148.222+/-0.023 χ^2/NDF: 1661971.0/33

All: 148.401+/-0.017 χ^2/NDF: 3558364.7/68

- sign 148.590+/-0.024 χ^2/NDF: 1896273.2/34


asym_bcm_2an_us_an_ds_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -46.199+/-76.283 χ²/NDF: 15.5/15
Left Out: 139.745+/-59.397 χ²/NDF:6.3/16
Right Out: 133.913+/-68.414 χ²/NDF: 12.8/17
Left In: -120.184+/-51.512 χ²/NDF:5.4/15
+ sign 69.562+/-46.865 χ²/NDF: 25.4/32
All: 14.333+/-30.922 χ²/NDF: 54.9/66
- sign -28.249+/-41.151 χ²/NDF: 27.0/33

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 209.568+/-0.042 χ^2/NDF:1173575.4/16

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

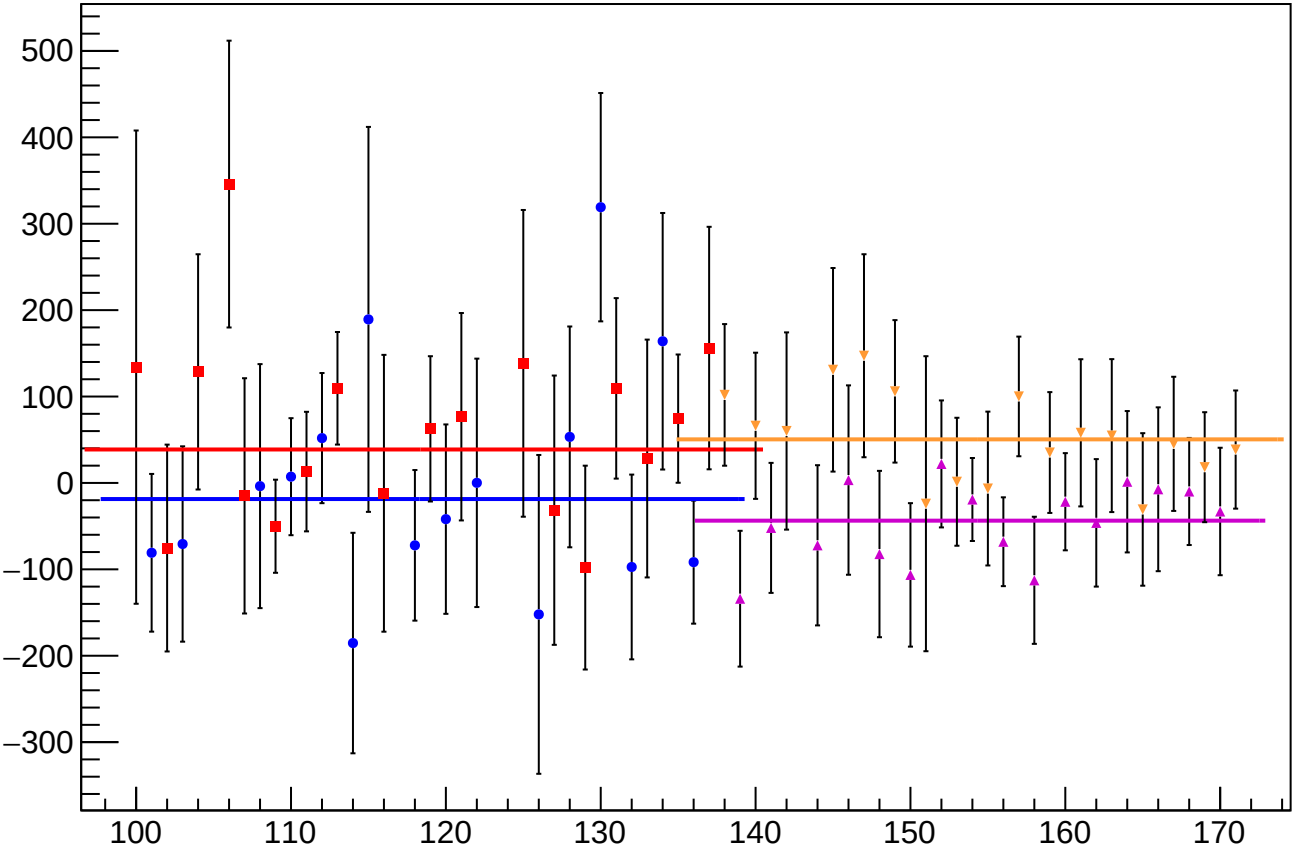
Left In: 176.909+/-0.036 χ^2/NDF:1530201.8/15

+ sign 203.698+/-0.033 χ^2/NDF: 2268910.2/32

All: 187.288+/-0.022 χ^2/NDF: 5837926.9/66

- sign 174.635+/-0.029 χ^2/NDF: 3134711.3/33

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.432+/-20.272 χ^2/NDF:4.8/16

Right Out: 38.716+/-23.652 χ^2/NDF: 12.6/17

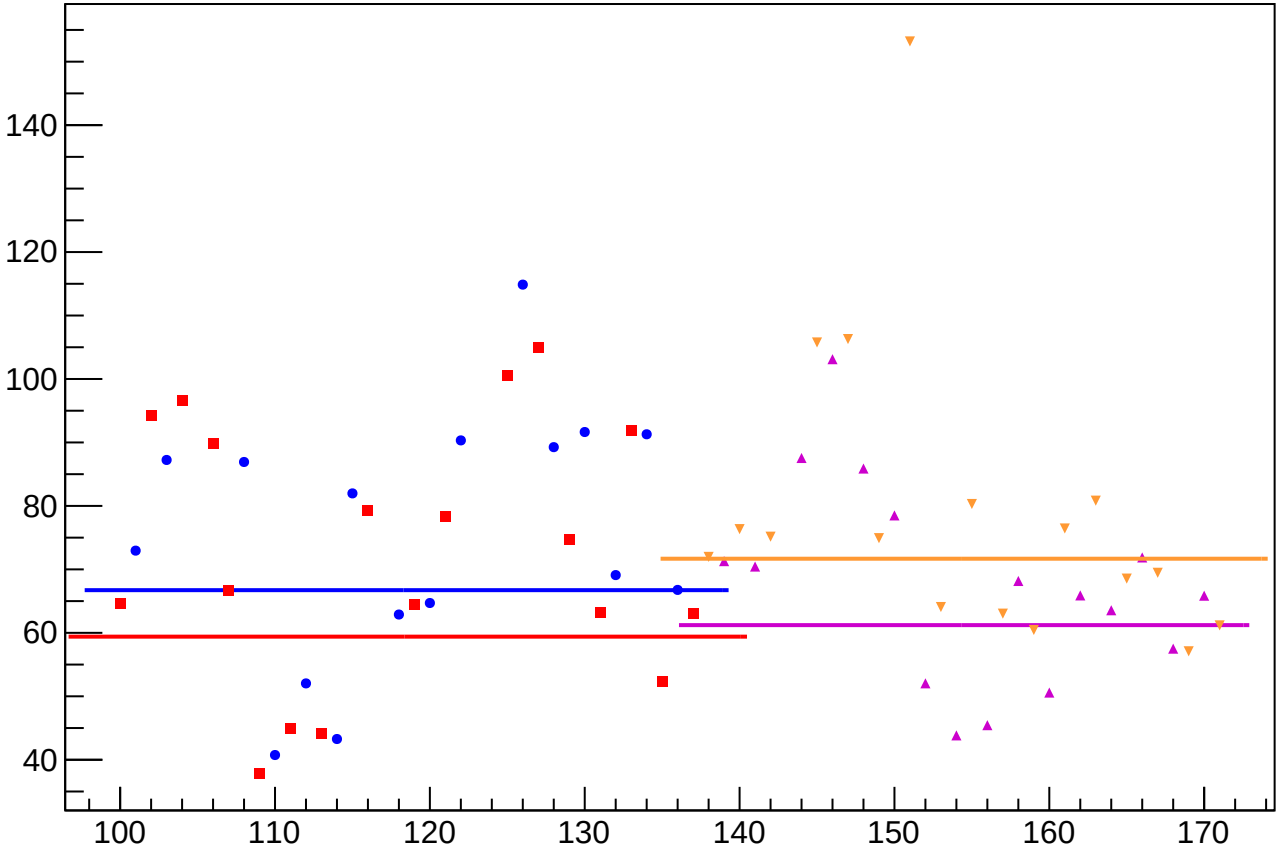
Left In: -43.668+/-17.739 χ^2/NDF:5.4/15

+ sign 24.468+/-16.015 χ^2/NDF: 24.4/32

All: 2.915+/-10.621 χ^2/NDF: 53.4/66

- sign -14.008+/-14.191 χ^2/NDF: 25.8/33

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.680+/-0.014 χ^2/NDF:1114495.2/16

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

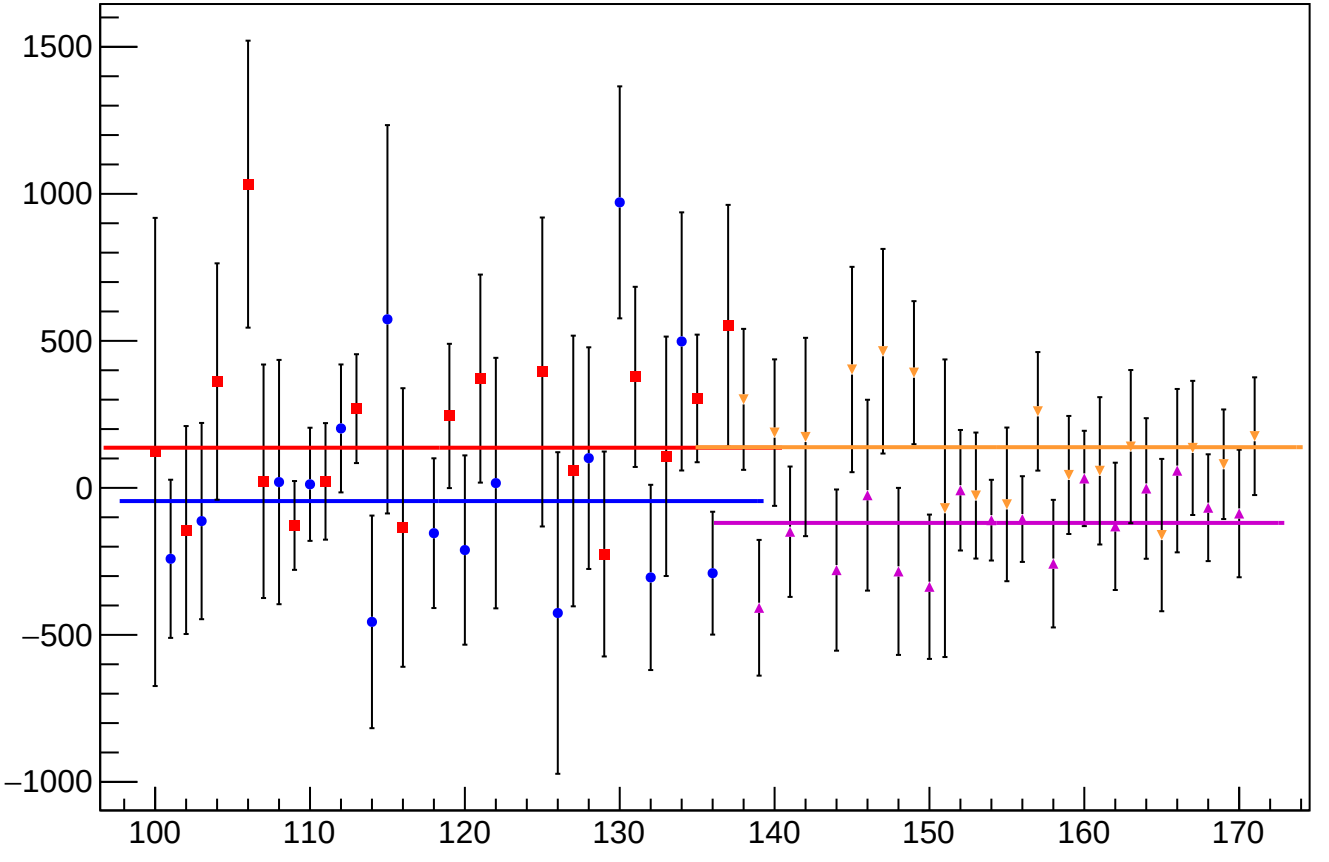
Left In: 61.216+/-0.013 χ^2/NDF:1355125.6/15

+ sign 69.817+/-0.011 χ^2/NDF: 2106454.8/32

All: 64.633+/-0.008 χ^2/NDF: 5288623.2/66

- sign 60.562+/-0.010 χ^2/NDF: 2808035.9/33

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 138.380+/-59.347 χ^2/NDF:6.5/16

Right Out: 136.579+/-68.322 χ^2/NDF: 12.9/17

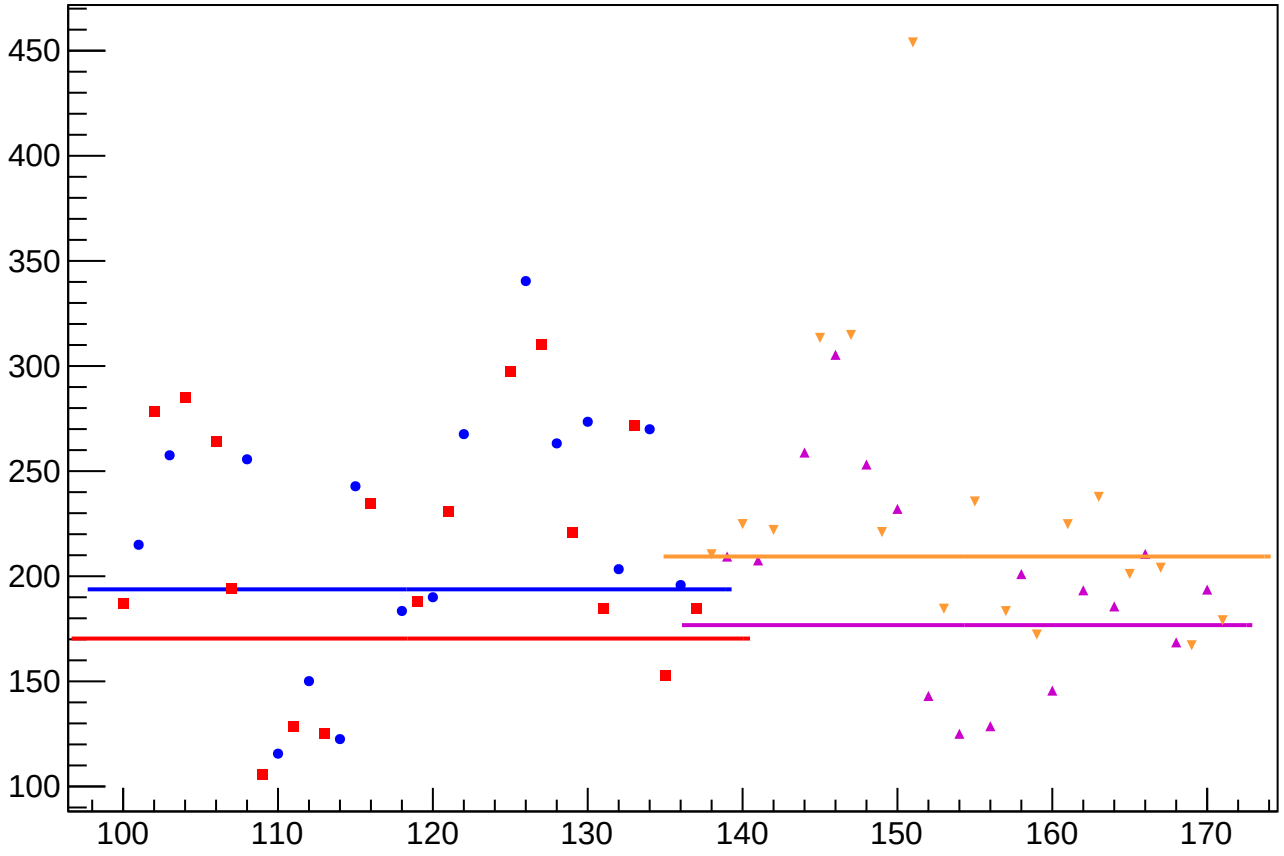
Left In: -119.157+/-51.468 χ^2/NDF:5.5/15

+ sign 69.172+/-46.821 χ^2/NDF: 25.6/32

All: 15.106+/-30.892 χ^2/NDF: 55.2/66

- sign -26.573+/-41.109 χ^2/NDF: 27.3/33

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.389+/-0.042 χ^2/NDF:1174239.2/16

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

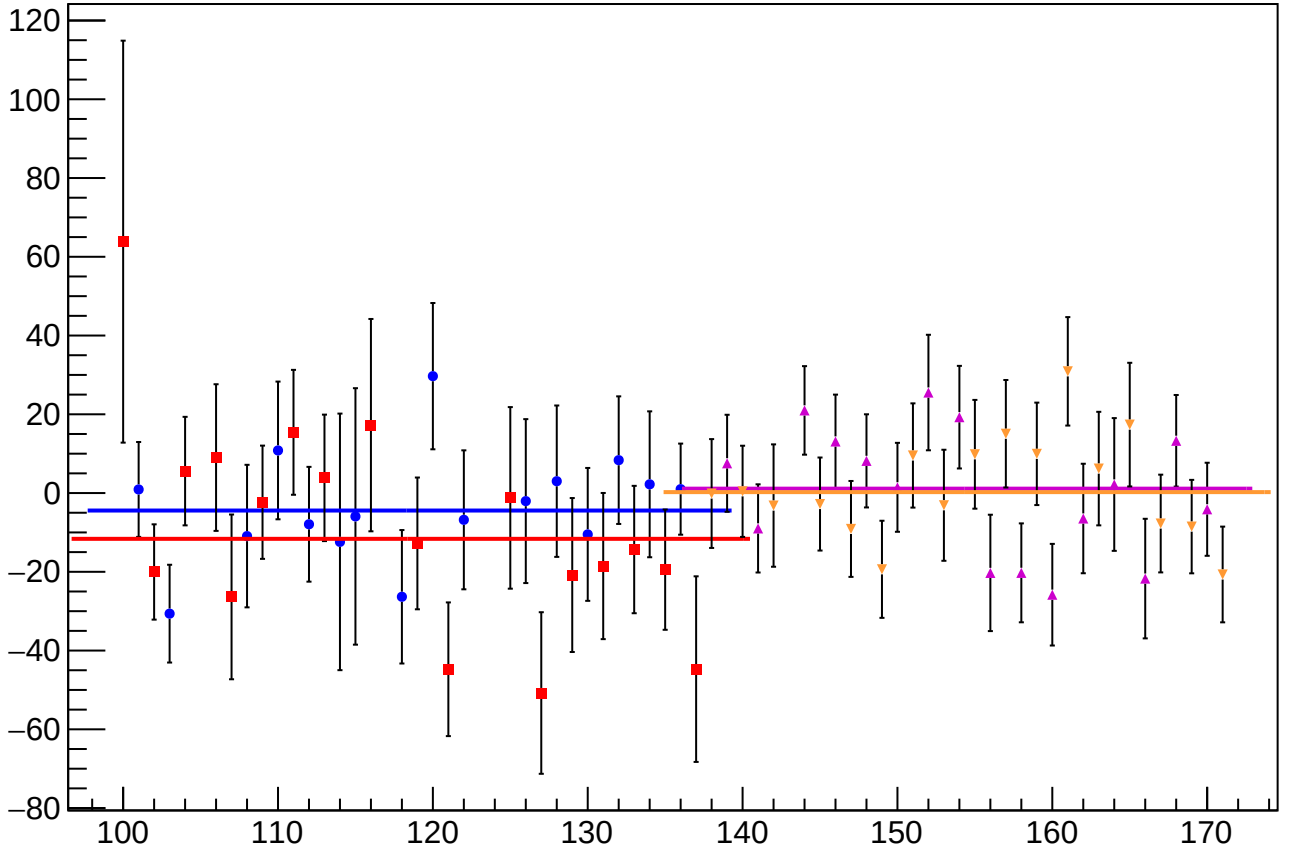
Left In: 176.748+/-0.036 χ^2/NDF:1532252.3/15

+ sign 203.491+/-0.033 χ^2/NDF: 2274653.4/32

All: 187.083+/-0.022 χ^2/NDF: 5852043.1/66

- sign 174.434+/-0.029 χ^2/NDF: 3142438.9/33

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.236+/-3.177 χ^2/NDF:16.2/16

Right Out: -11.627+/-4.137 χ^2/NDF: 21.6/17

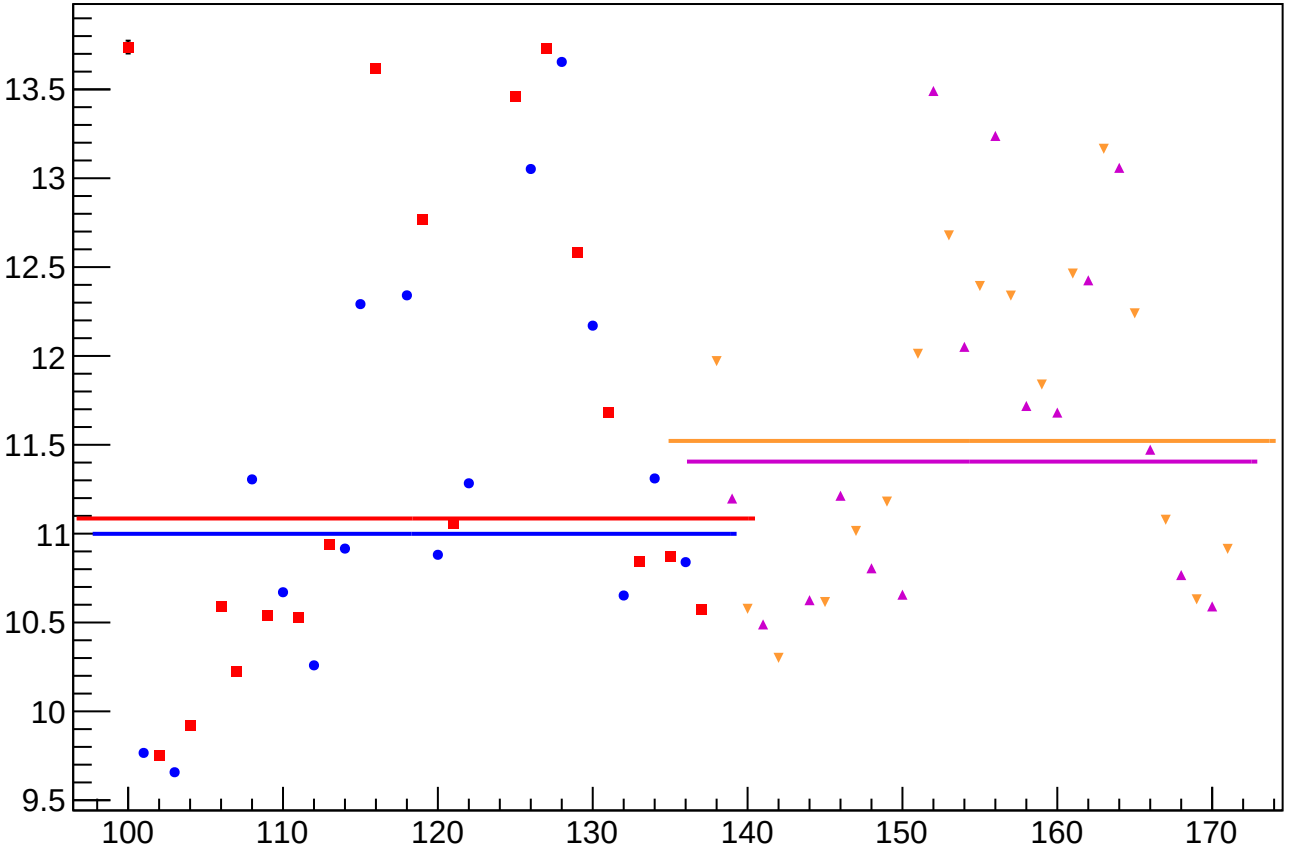
Left In: 1.116+/-3.169 χ^2/NDF:23.5/15

\+ sign -1.502+/-2.518 χ^2/NDF: 29.0/32

All: -2.550+/-1.780 χ^2/NDF: 80.5/66

\- sign -3.597+/-2.516 χ^2/NDF: 51.1/33

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.522+/-0.002 χ^2/NDF:135472.0/16

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

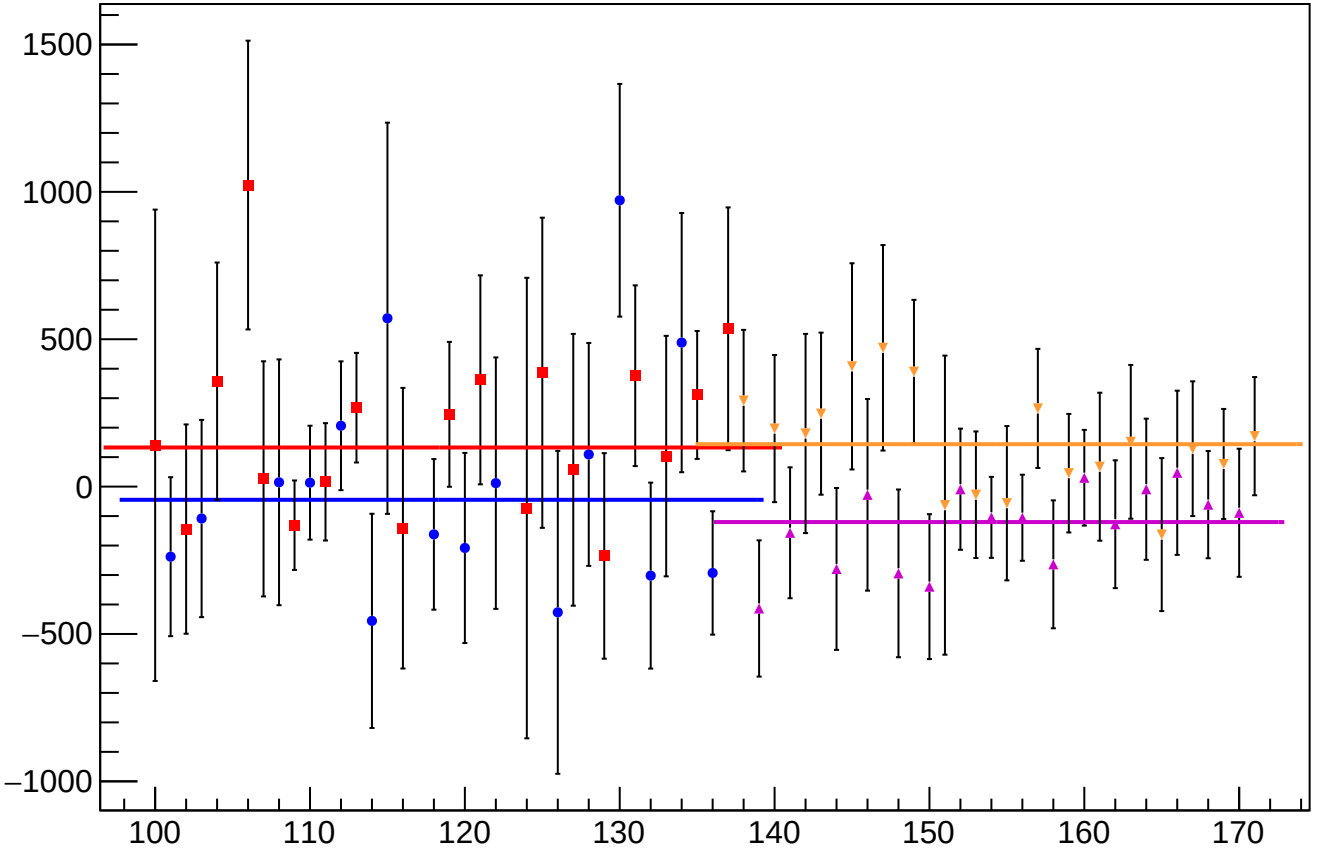
Left In: 11.405+/-0.002 χ^2/NDF:161913.1/15

+ sign 11.328+/-0.002 χ^2/NDF: 291758.3/32

All: 11.307+/-0.001 χ^2/NDF: 623685.0/66

- sign 11.287+/-0.002 χ^2/NDF: 331668.3/33

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 143.920+/-58.110 χ^2/NDF:6.7/17

Right Out: 132.730+/-68.270 χ^2/NDF: 12.9/18

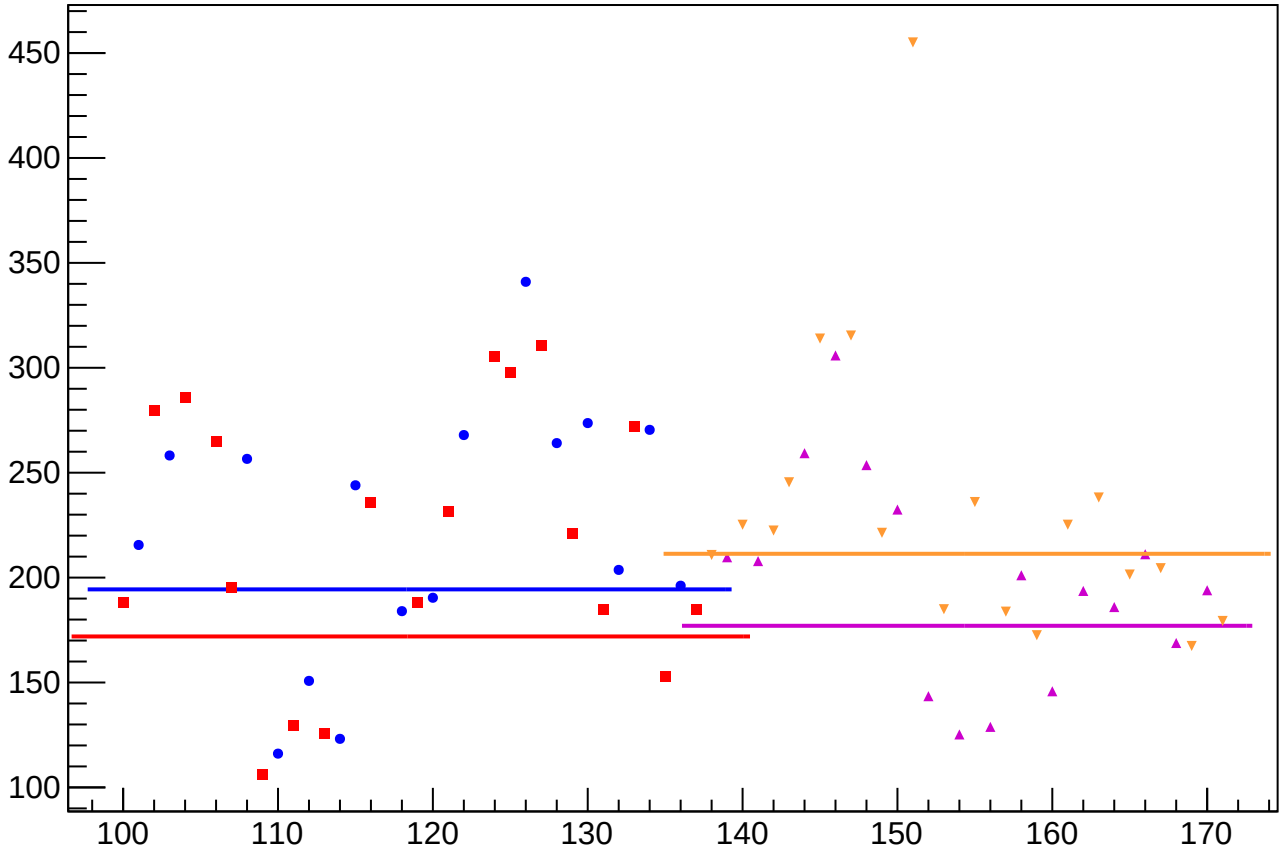
Left In: -120.309+/-51.552 χ^2/NDF:5.5/15

+ sign 74.784+/-46.257 χ^2/NDF: 26.0/33

All: 17.161+/-30.741 χ^2/NDF: 55.9/68

- sign -28.420+/-41.140 χ^2/NDF: 27.1/34

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.348+/-0.041 χ^2/NDF:1207541.4/17

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

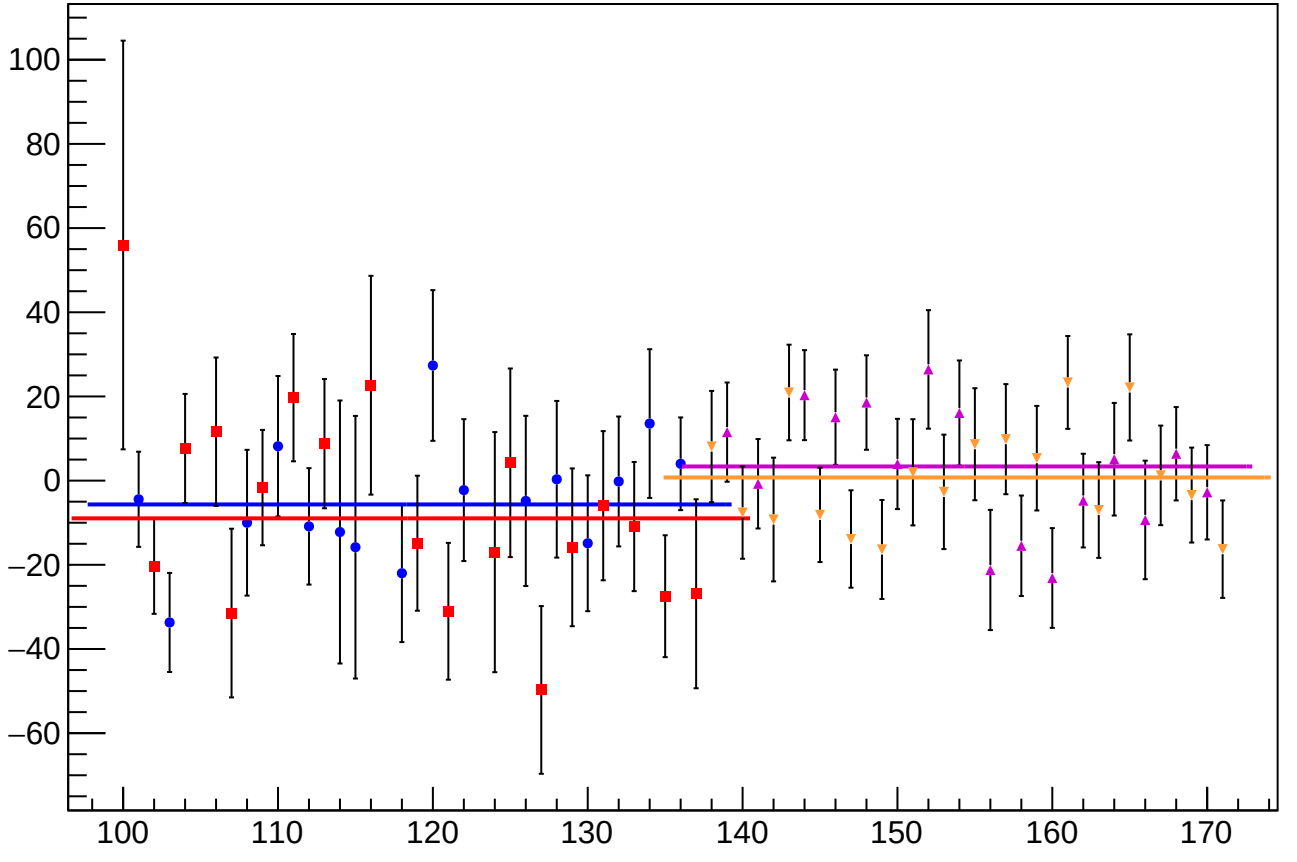
Left In: 177.033+/-0.036 χ^2/NDF:1532637.7/15

+ sign 205.133+/-0.033 χ^2/NDF: 2311996.9/33

All: 188.413+/-0.022 χ^2/NDF: 5971080.6/68

- sign 175.187+/-0.029 χ^2/NDF: 3191045.4/34

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.747+/-2.846 χ^2/NDF:19.7/17

Right Out: -8.960+/-3.901 χ^2/NDF: 22.8/18

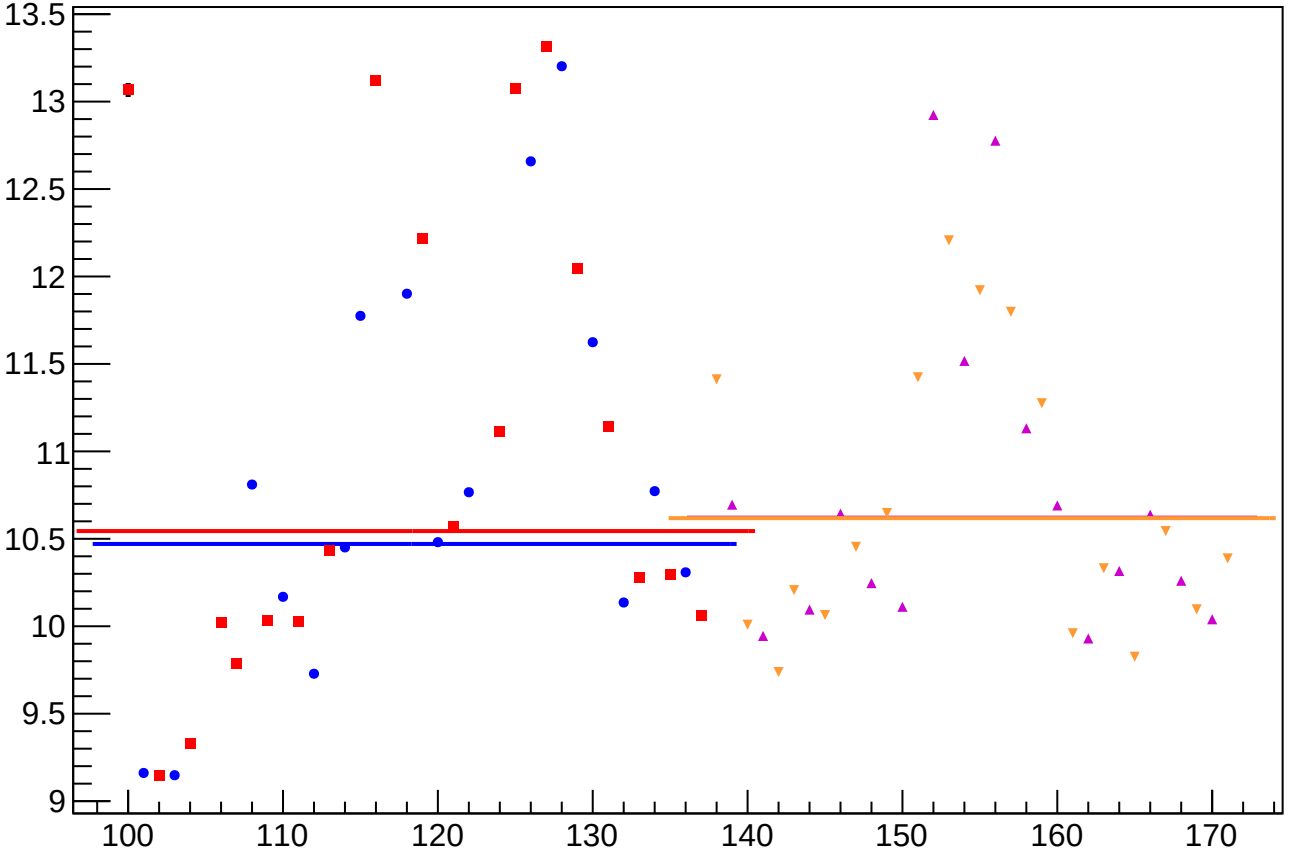
Left In: 3.366+/-2.955 χ^2/NDF:22.0/15

+ sign -1.449+/-2.307 χ^2/NDF: 35.1/33

All: -1.292+/-1.648 χ^2/NDF: 86.2/68

- sign -1.128+/-2.355 χ^2/NDF: 51.1/34

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.618+/-0.002 χ^2/NDF:126427.7/17

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

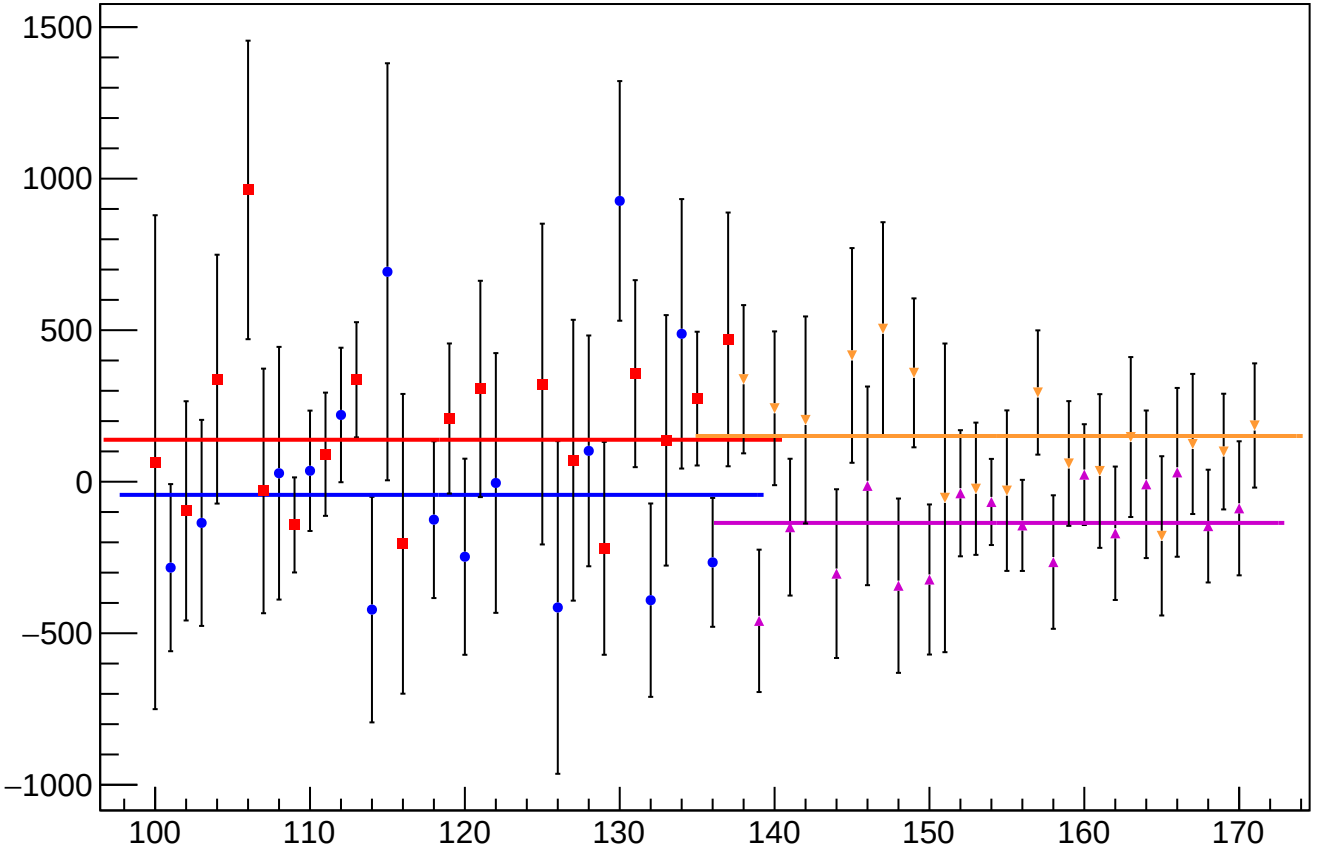
Left In: 10.621+/-0.002 χ^2/NDF:149098.4/15

+ sign 10.568+/-0.002 χ^2/NDF: 285638.1/33

All: 10.580+/-0.001 χ^2/NDF: 622126.5/68

- sign 10.593+/-0.002 χ^2/NDF: 336369.0/34

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 150.867+/-60.378 χ^2/NDF:6.9/16

Right Out: 138.455+/-69.833 χ^2/NDF: 11.5/17

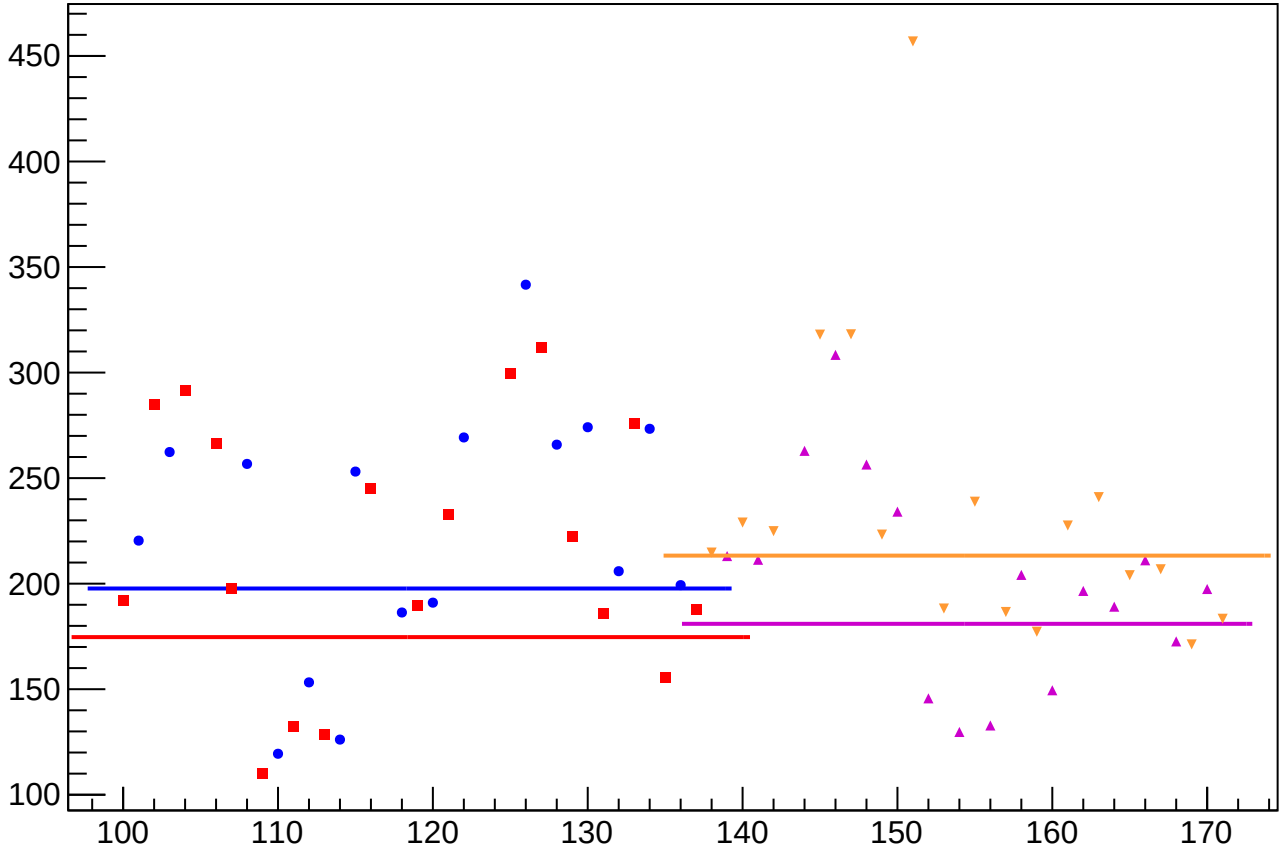
Left In: -135.931+/-52.577 χ^2/NDF:5.9/15

+ sign 77.596+/-47.649 χ^2/NDF: 26.2/32

All: 13.298+/-31.509 χ^2/NDF: 56.7/66

- sign -36.665+/-42.003 χ^2/NDF: 27.2/33

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.290+/-0.043 χ^2/NDF:1135826.2/16

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

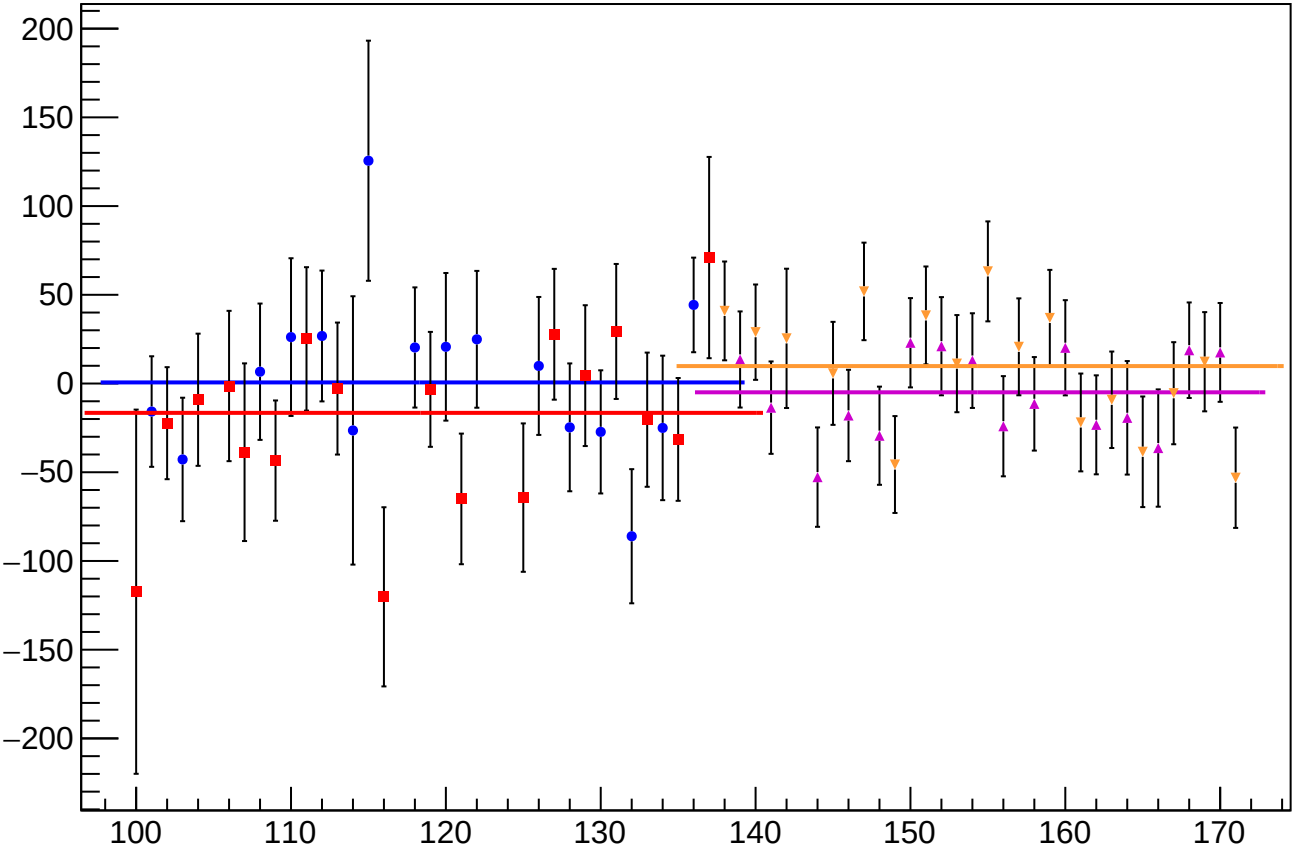
Left In: 180.971+/-0.037 χ^2/NDF:1446384.8/15

+ sign 207.412+/-0.034 χ^2/NDF: 2186398.9/32

All: 191.252+/-0.022 χ^2/NDF: 5586705.8/66

- sign 178.694+/-0.030 χ^2/NDF: 2991497.3/33

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.829+/-6.864 χ^2/NDF:23.7/16

Right Out: -16.534+/-9.307 χ^2/NDF: 16.4/17

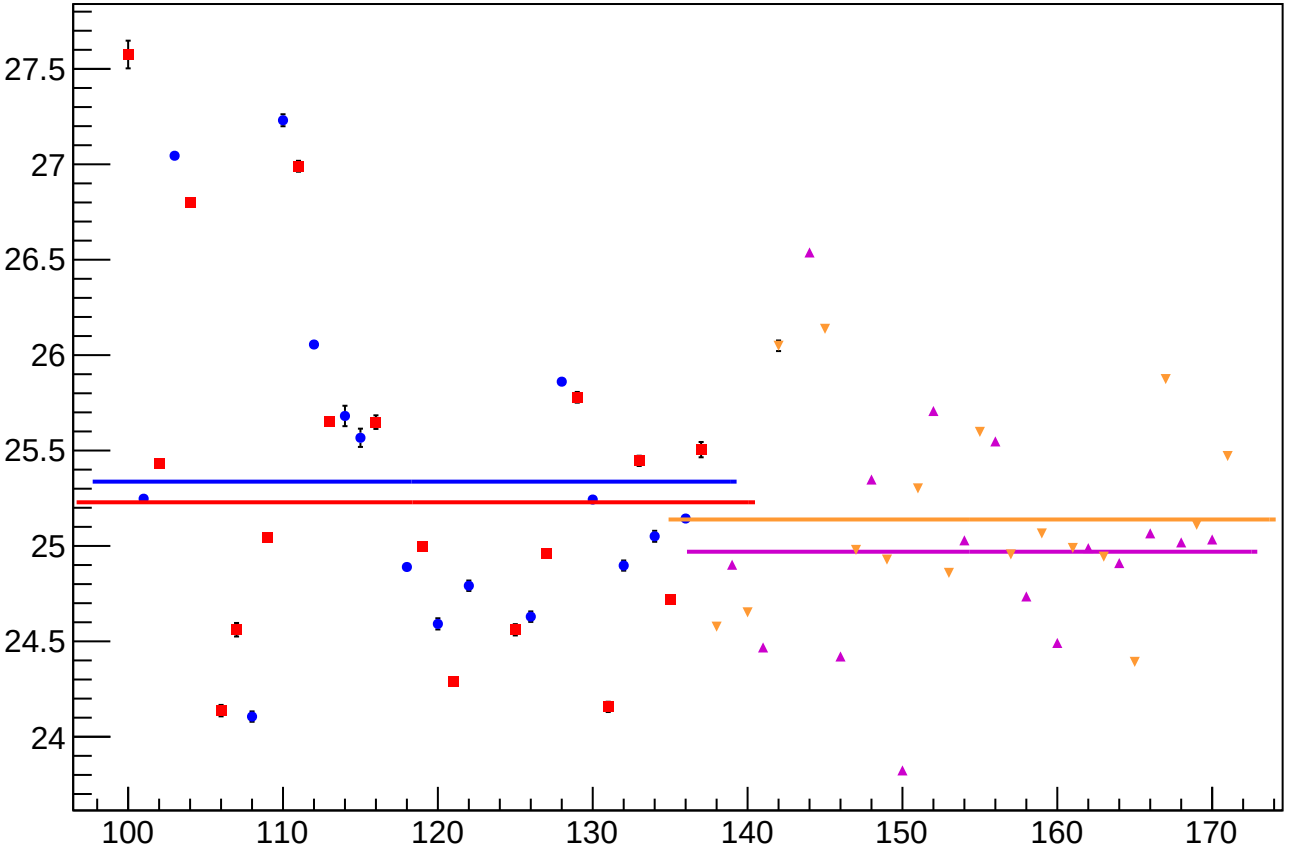
Left In: -4.952+/-6.876 χ^2/NDF:11.5/15

+ sign 6.636+/-5.548 χ^2/NDF: 41.0/32

All: -1.227+/-3.917 χ^2/NDF: 73.9/66

- sign -9.042+/-5.530 χ^2/NDF: 28.8/33

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.139+/-0.005 χ^2/NDF:8911.9/16

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

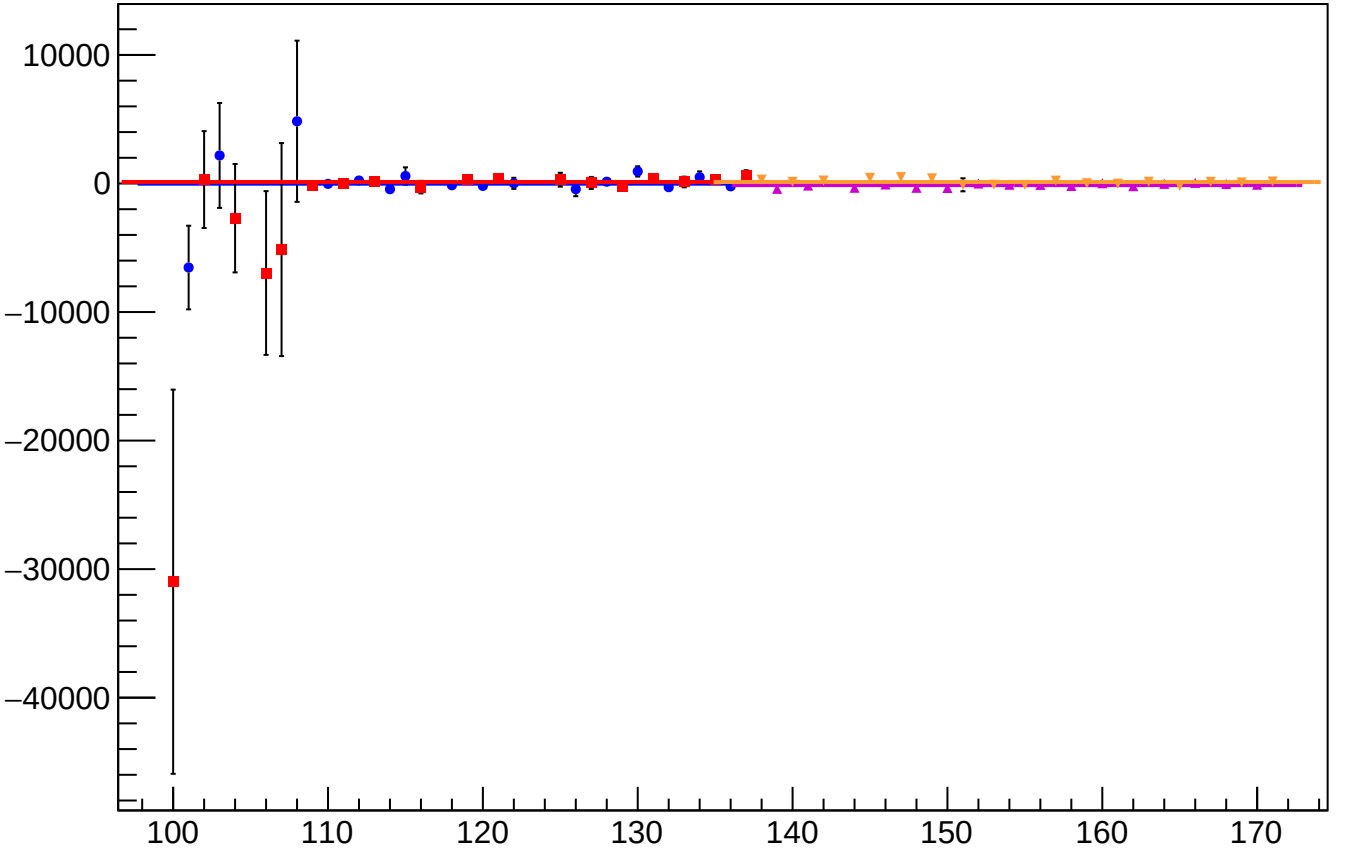
Left In: 24.970+/-0.005 χ^2/NDF:15563.3/15

+ sign 25.207+/-0.004 χ^2/NDF: 23806.0/32

All: 25.134+/-0.003 χ^2/NDF: 56245.1/66

- sign 25.061+/-0.004 χ^2/NDF: 31742.0/33

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.946+/-60.705 χ^2/NDF:7.8/16

Right Out: 119.984+/-78.247 χ^2/NDF: 14.4/17

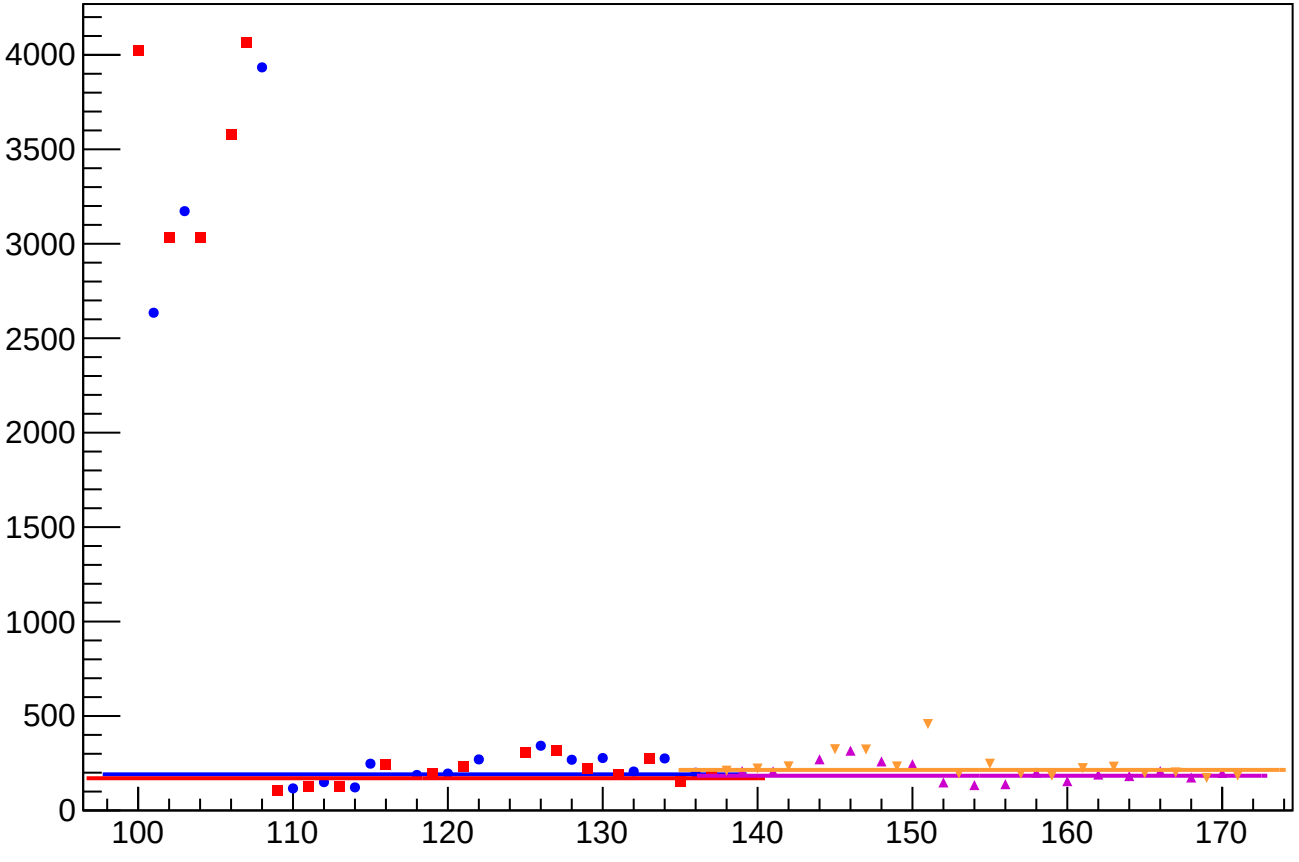
Left In: -124.873+/-53.238 χ^2/NDF:5.6/15

+ sign 71.306+/-49.292 χ^2/NDF: 27.7/32

All: 5.267+/-32.831 χ^2/NDF: 57.6/66

- sign -47.392+/-44.016 χ^2/NDF: 26.7/33

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.641+/-0.043 χ^2/NDF:1116461.4/16

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

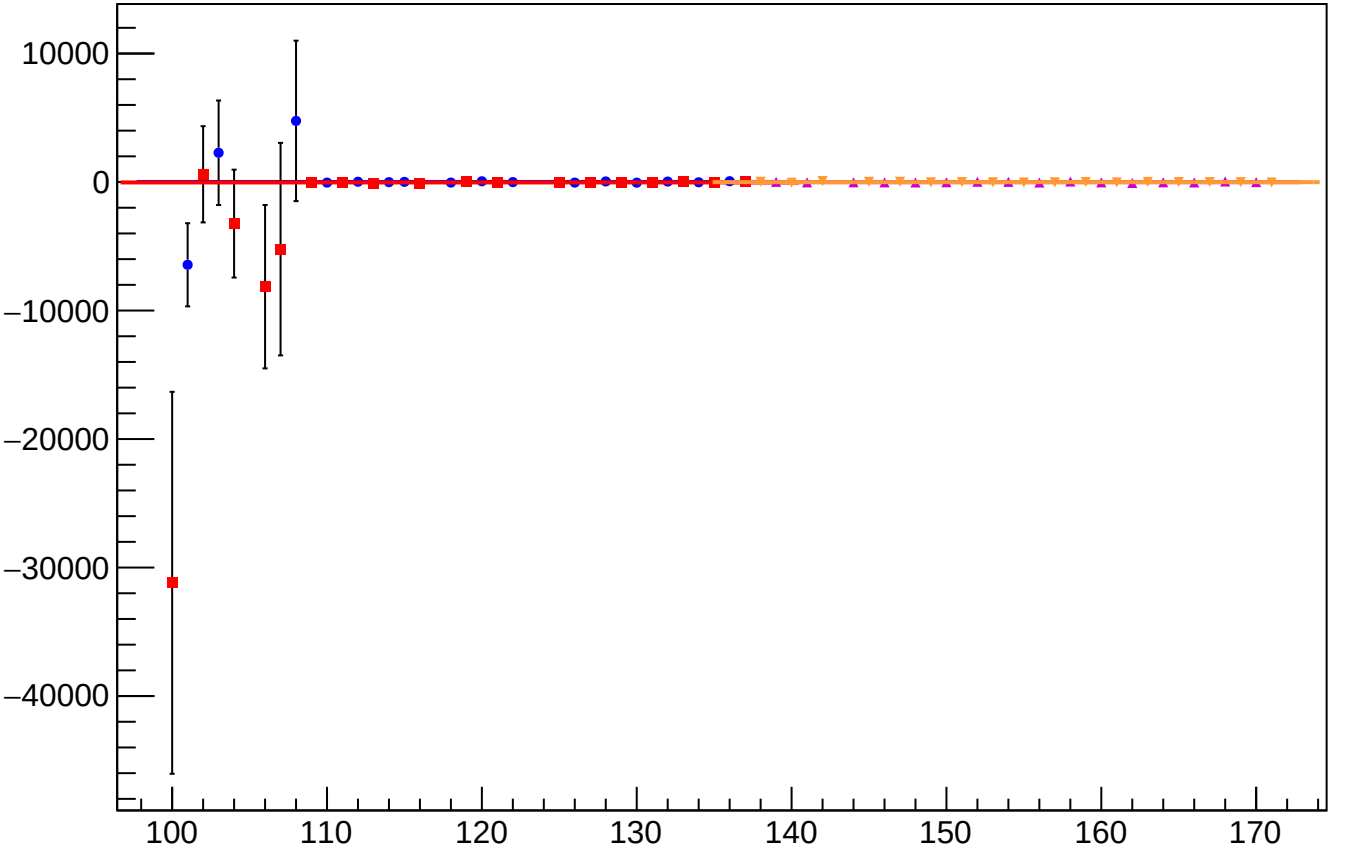
Left In: 183.748+/-0.038 χ^2/NDF:1329465.7/15

+ sign 206.612+/-0.035 χ^2/NDF: 5053137.8/32

All: 191.558+/-0.023 χ^2/NDF: 11011938.3/66

- sign 179.554+/-0.031 χ^2/NDF: 5623513.7/33

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.209+/-7.869 χ^2/NDF:11.5/16

Right Out: -30.740+/-12.084 χ^2/NDF: 19.9/17

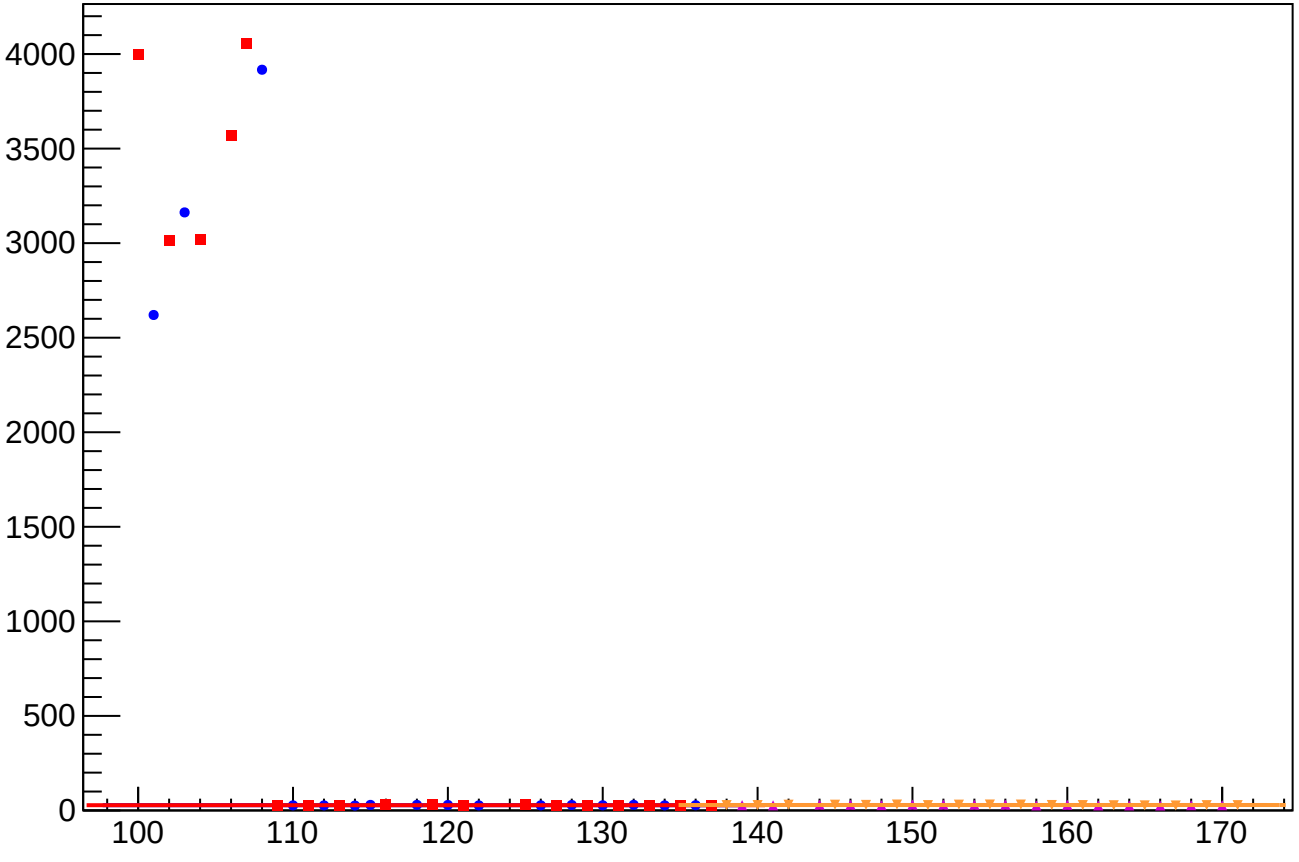
Left In: -8.567+/-7.977 χ^2/NDF:16.0/15

+ sign -4.356+/-6.541 χ^2/NDF: 31.1/32

All: -9.730+/-4.666 χ^2/NDF: 70.7/66

- sign -15.297+/-6.658 χ^2/NDF: 38.2/33

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.767+/-0.006 χ^2/NDF:72667.6/16

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

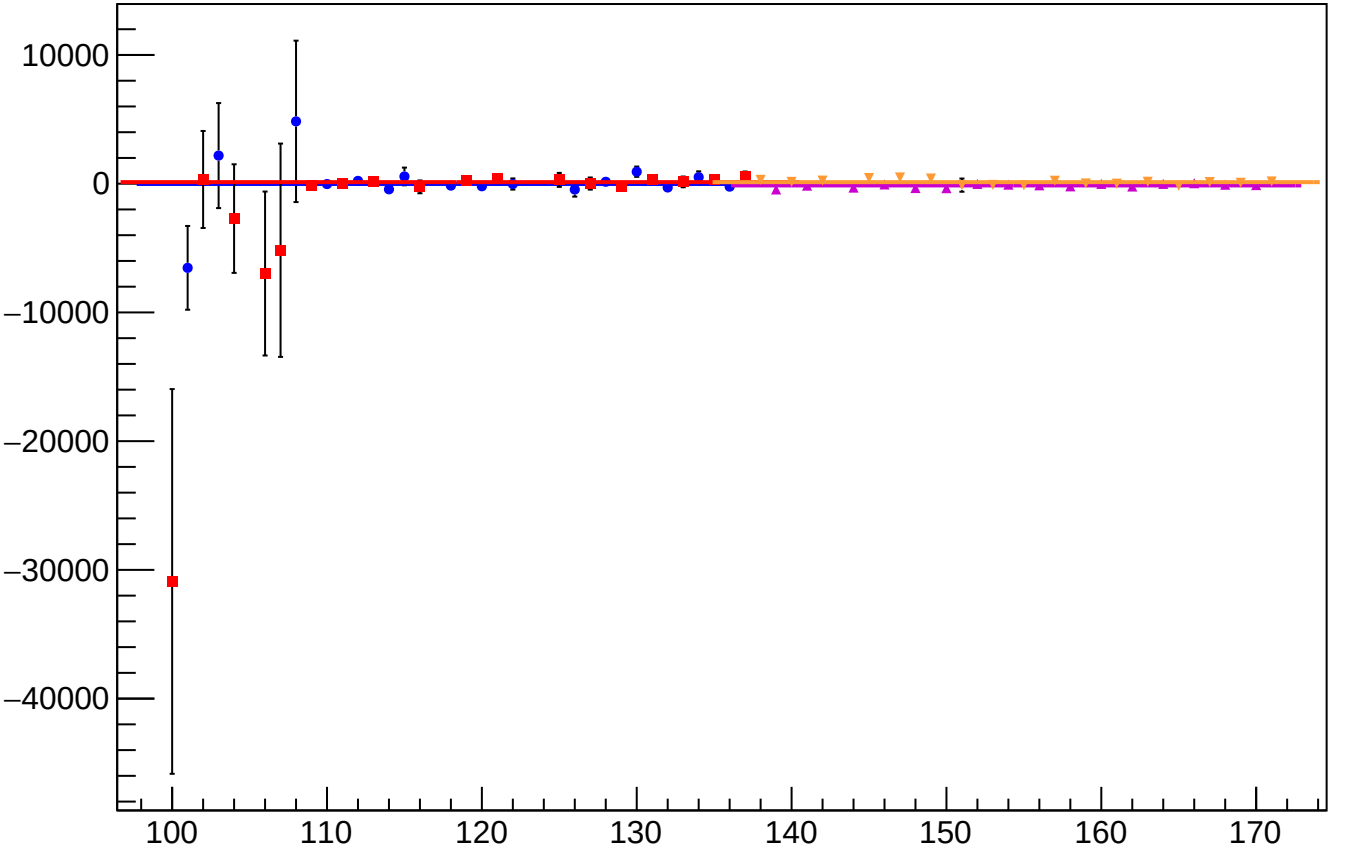
Left In: 28.891+/-0.006 χ^2/NDF:111648.8/15

+ sign 28.476+/-0.005 χ^2/NDF: 3347428.4/32

All: 28.514+/-0.003 χ^2/NDF: 7029424.2/66

- sign 28.553+/-0.005 χ^2/NDF: 3681858.5/33

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 119.954+/-61.207 χ^2/NDF:7.6/16

Right Out: 121.544+/-78.844 χ^2/NDF: 13.2/17

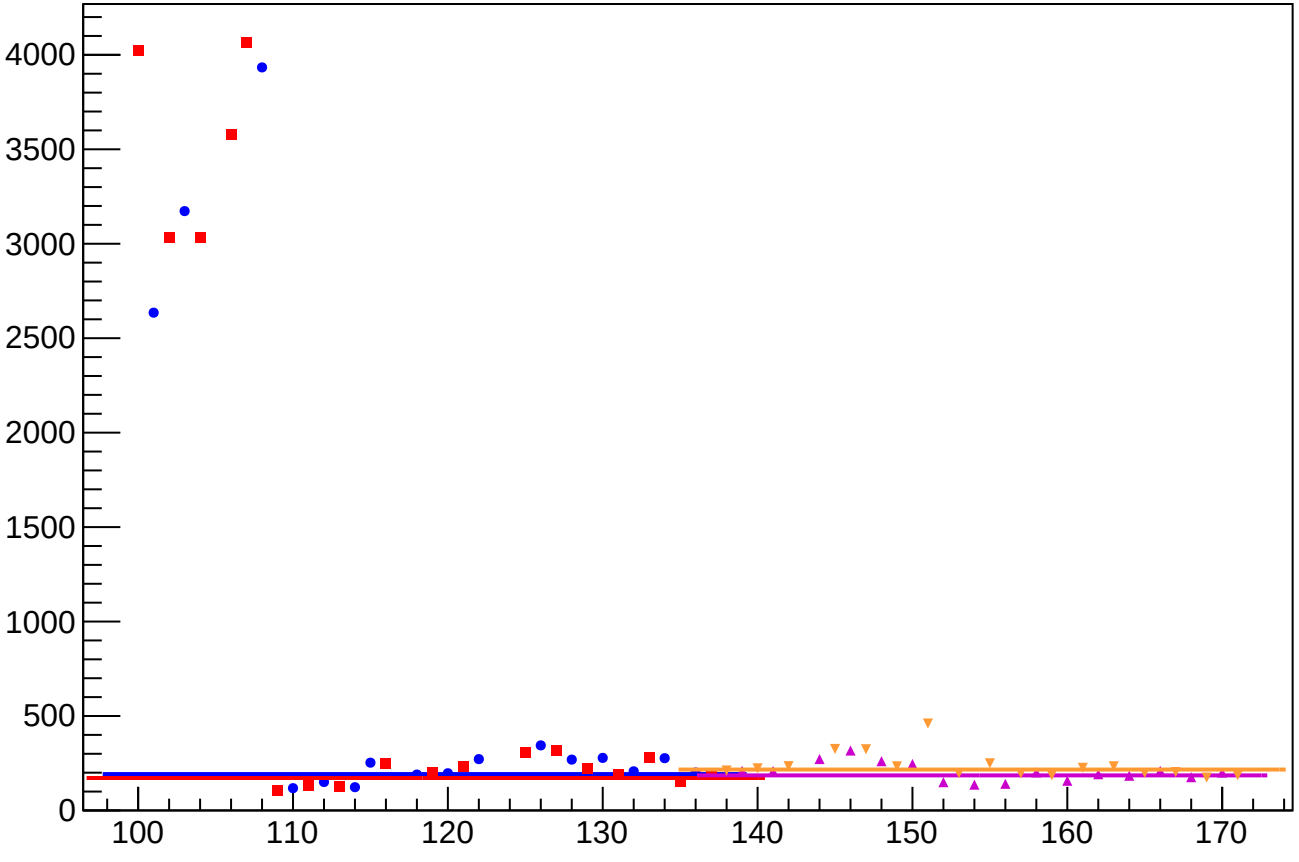
Left In: -134.537+/-53.744 χ^2/NDF:5.3/15

+ sign 72.375+/-49.682 χ^2/NDF: 27.5/32

All: 2.517+/-33.109 χ^2/NDF: 56.9/66

- sign -53.297+/-44.408 χ^2/NDF: 25.8/33

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.526+/-0.043 χ^2/NDF:1098420.6/16

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

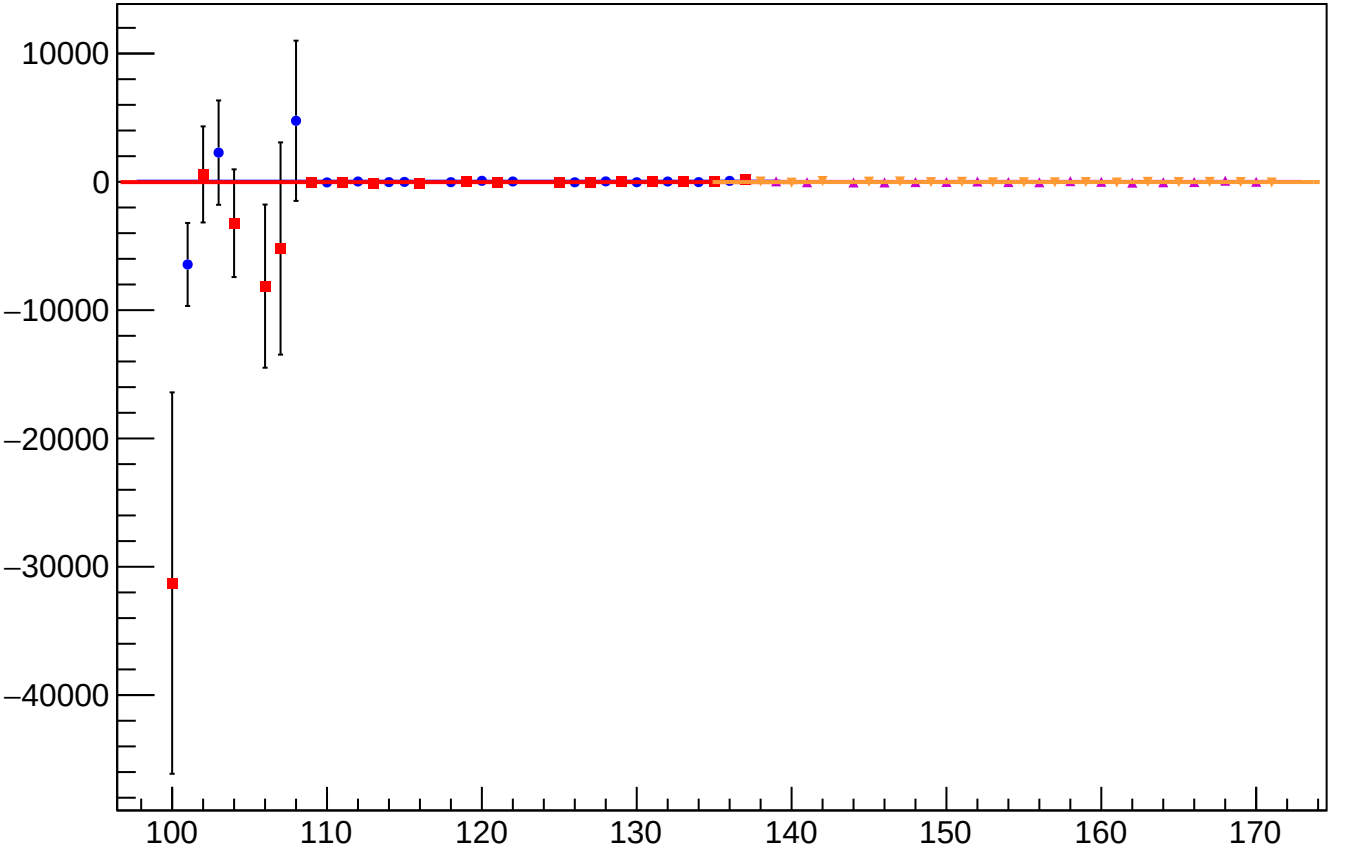
Left In: 185.670+/-0.038 χ^2/NDF:1289504.6/15

+ sign 208.351+/-0.035 χ^2/NDF: 5025812.7/32

All: 193.314+/-0.023 χ^2/NDF: 10934333.4/66

- sign 181.301+/-0.031 χ^2/NDF: 5578961.8/33

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.525+/-8.494 χ^2/NDF:12.7/16

Right Out: -21.906+/-13.382 χ^2/NDF: 28.4/17

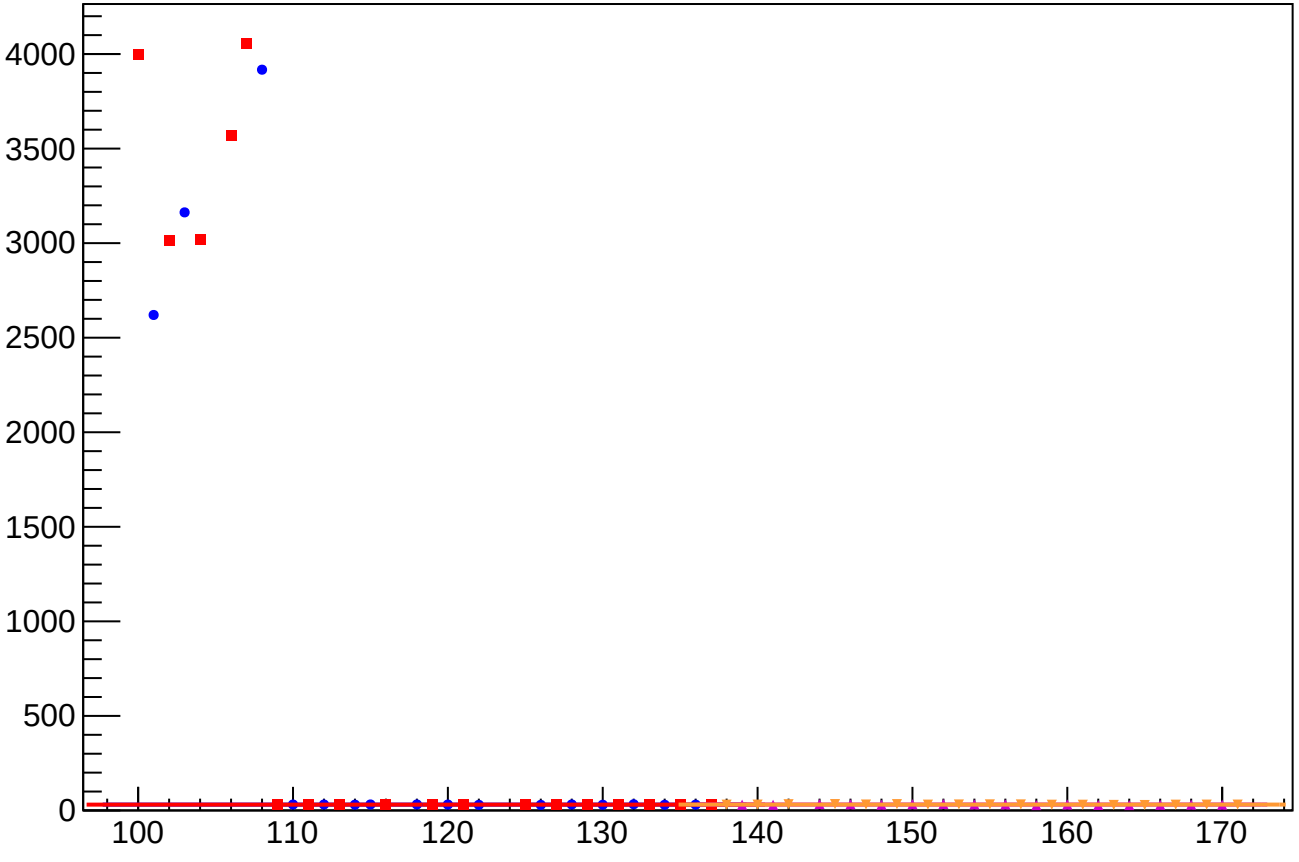
Left In: -2.869+/-8.606 χ^2/NDF:22.5/15

+ sign -7.539+/-7.121 χ^2/NDF: 31.9/32

All: -7.981+/-5.076 χ^2/NDF: 84.3/66

- sign -8.439+/-7.238 χ^2/NDF: 52.3/33

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.077+/-0.006 χ^2/NDF:41835.6/16

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

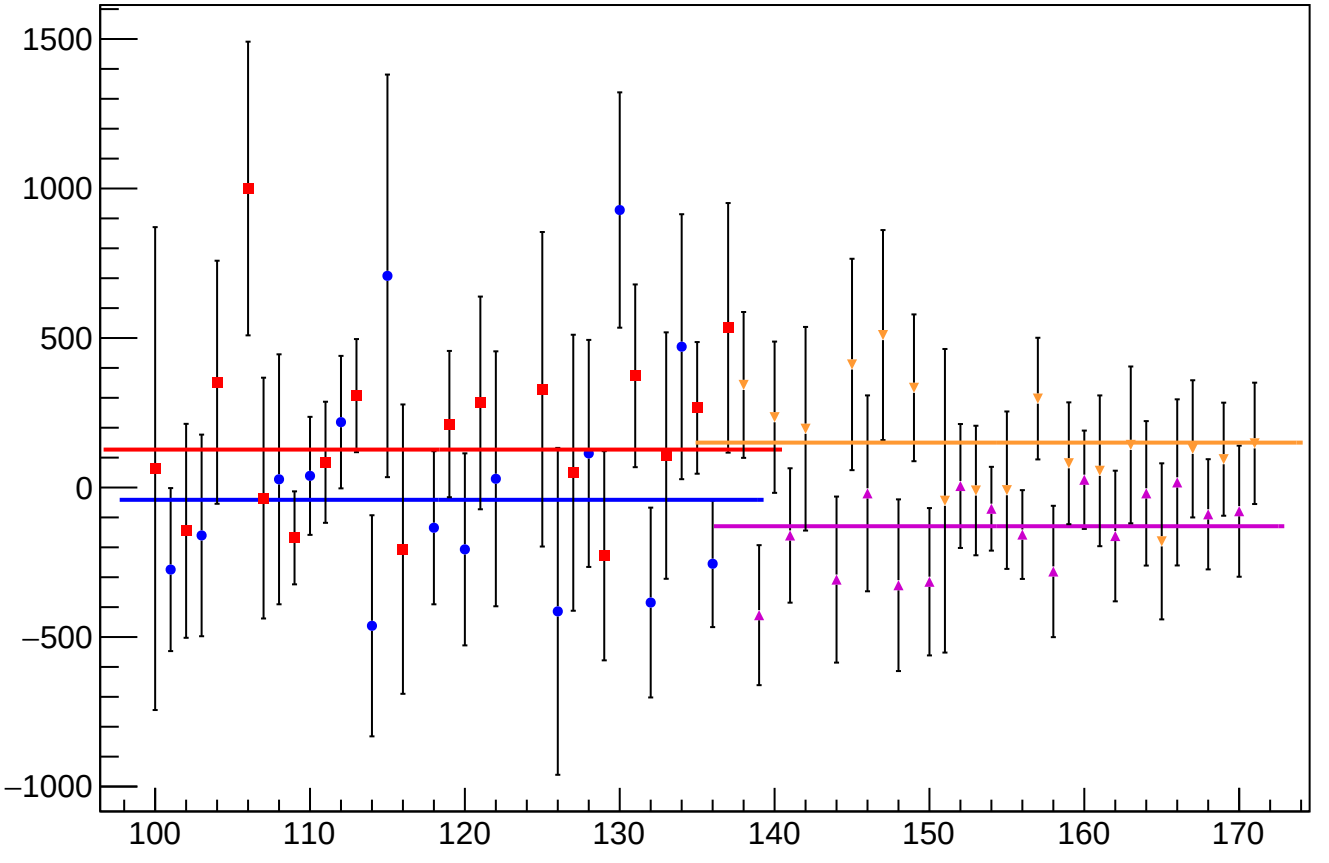
Left In: 31.190+/-0.006 χ^2/NDF:77087.6/15

+ sign 31.033+/-0.005 χ^2/NDF: 3294624.9/32

All: 31.054+/-0.004 χ^2/NDF: 6908883.8/66

- sign 31.077+/-0.005 χ^2/NDF: 3614221.2/33

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.191+/-59.988 χ^2/NDF:6.4/16

Right Out: 126.896+/-69.382 χ^2/NDF: 12.8/17

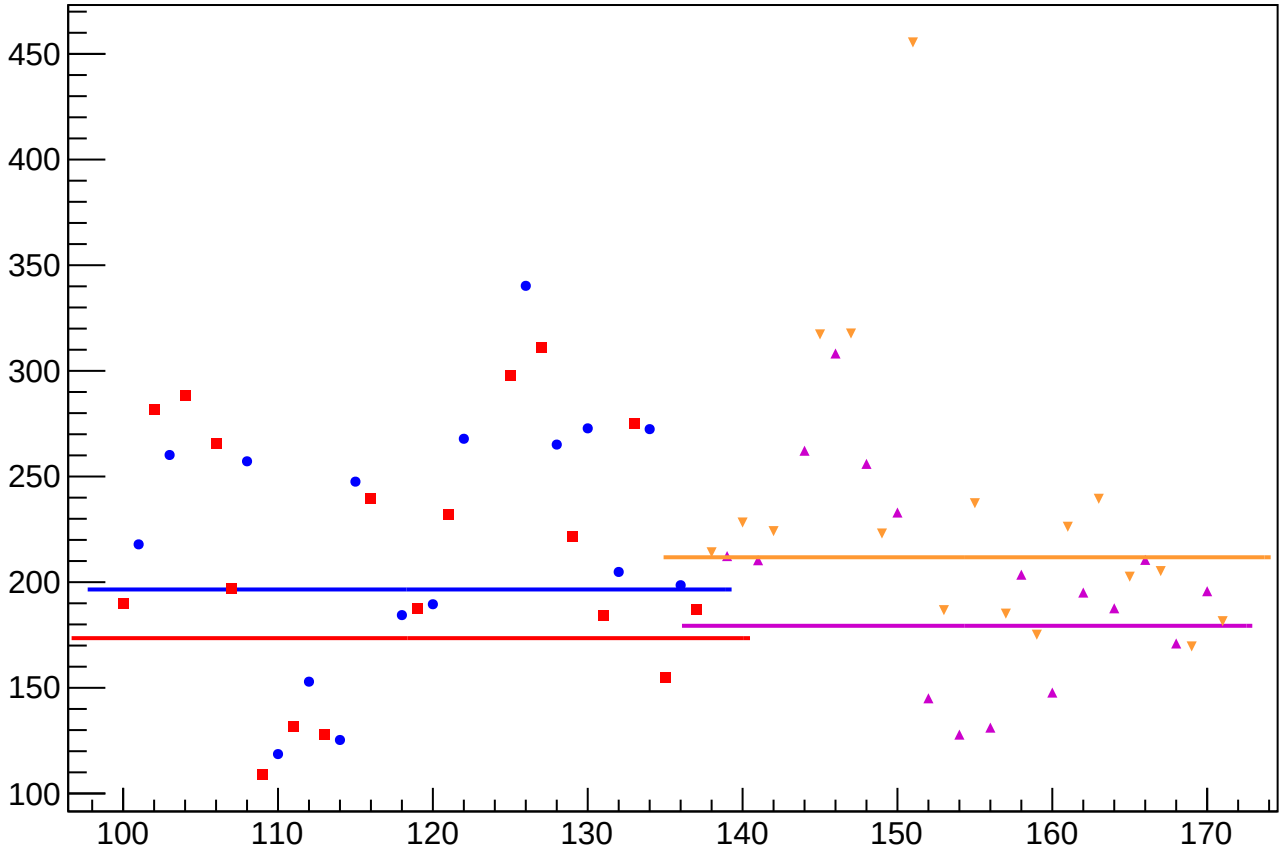
Left In: -129.418+/-52.161 χ^2/NDF:5.8/15

+ sign 78.097+/-47.354 χ^2/NDF: 25.9/32

All: 13.337+/-31.292 χ^2/NDF: 56.5/66

- sign -36.865+/-41.693 χ^2/NDF: 27.3/33

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.784+/-0.042 χ^2/NDF:1157911.3/16

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

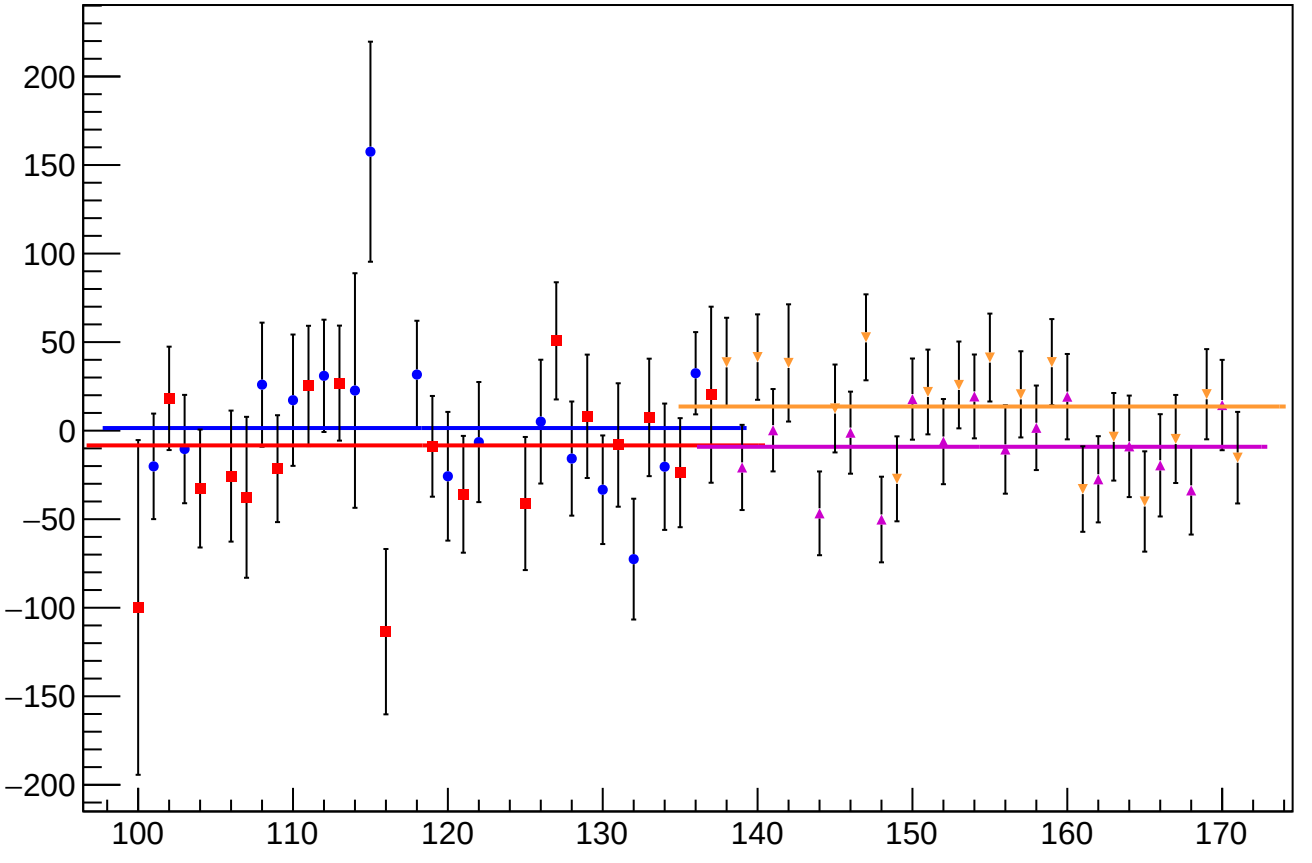
Left In: 179.355+/-0.037 χ^2/NDF:1489524.9/15

+ sign 206.040+/-0.033 χ^2/NDF: 2207339.4/32

All: 189.819+/-0.022 χ^2/NDF: 5655265.7/66

- sign 177.244+/-0.029 χ^2/NDF: 3031317.2/33

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 13.630+/-6.093 χ^2/NDF:20.8/16

Right Out: -8.329+/-8.286 χ^2/NDF: 16.0/17

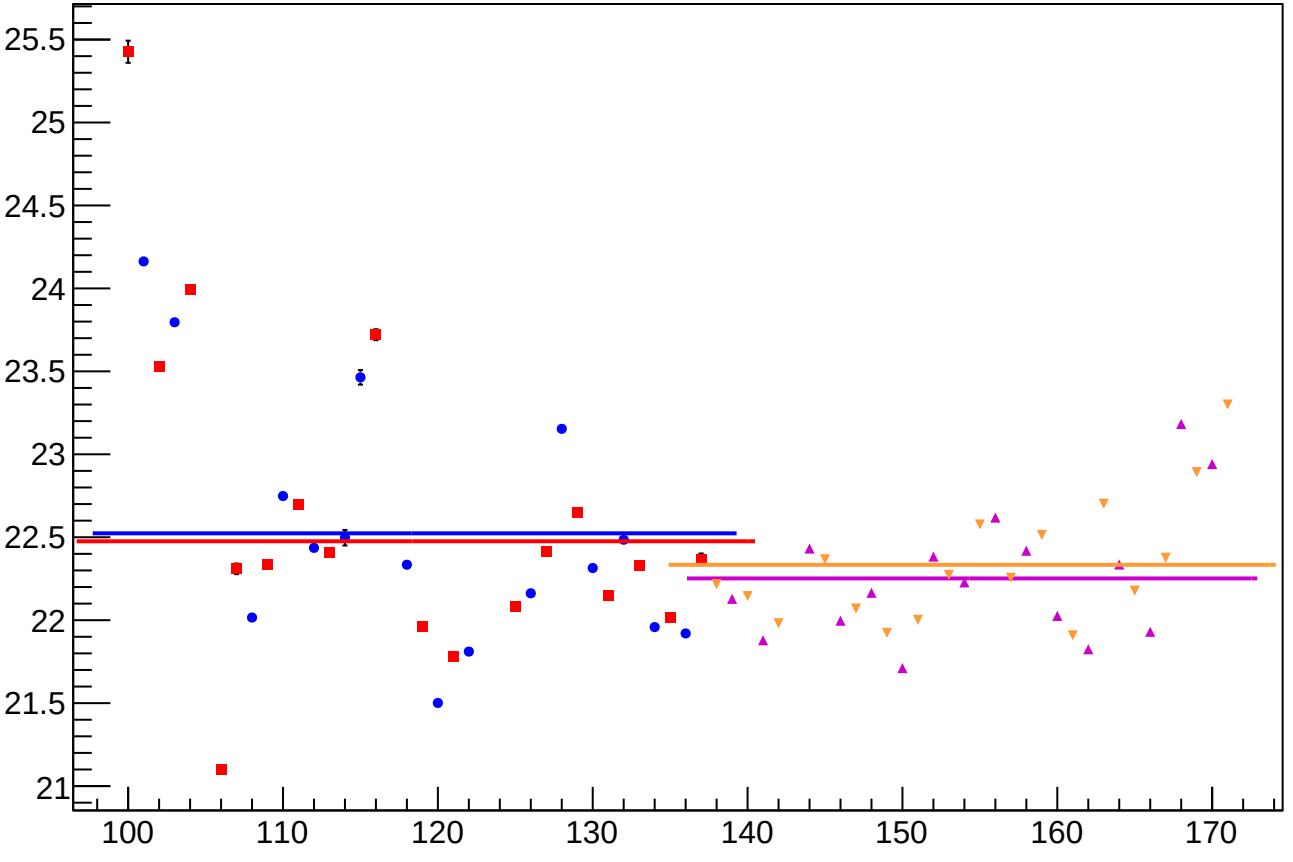
Left In: -9.107+/-6.122 χ^2/NDF:12.9/15

+ sign 9.420+/-4.926 χ^2/NDF: 40.8/32

All: 0.289+/-3.482 χ^2/NDF: 76.6/66

- sign -8.832+/-4.924 χ^2/NDF: 28.9/33

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.334+/-0.004 χ^2/NDF:6820.8/16

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

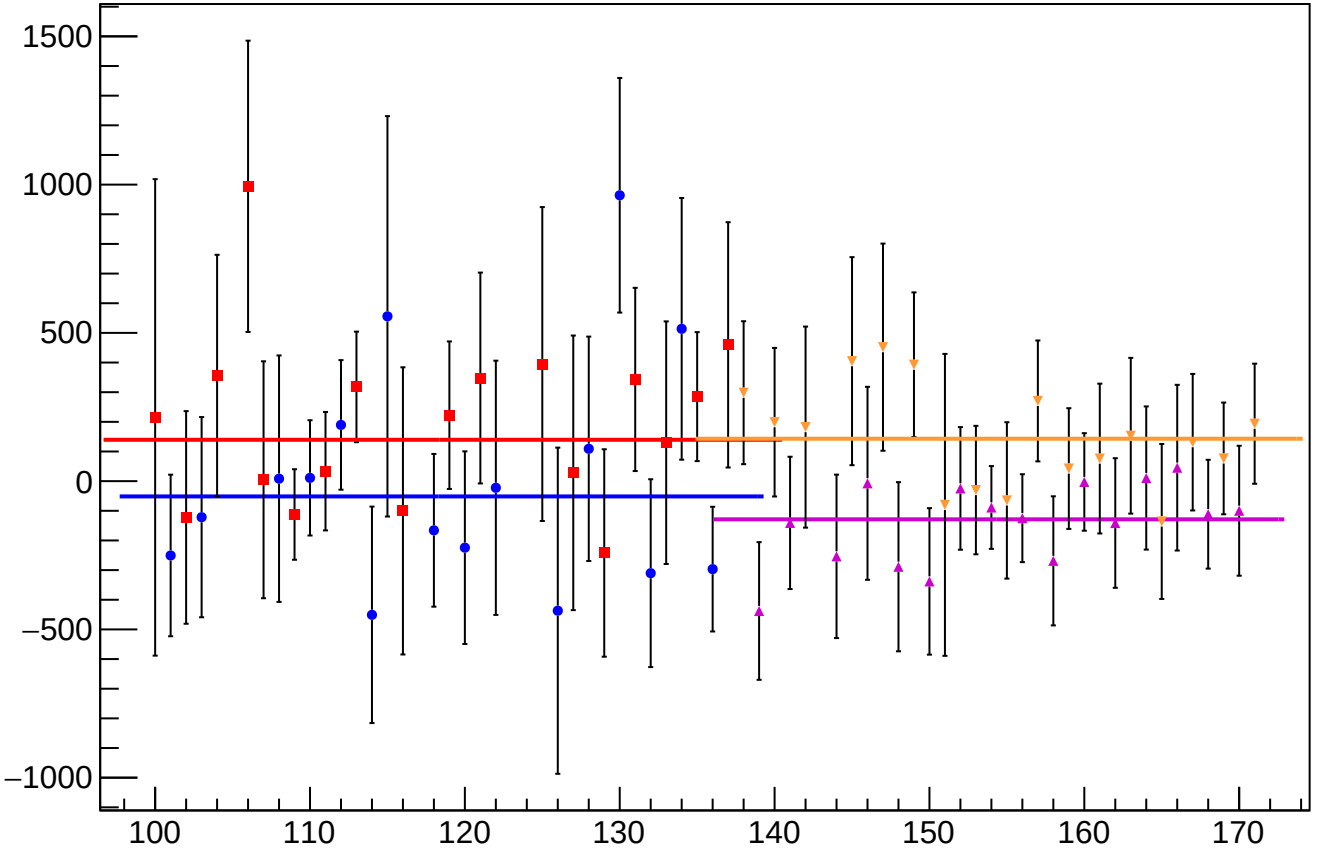
Left In: 22.252+/-0.004 χ^2/NDF:7962.5/15

+ sign 22.400+/-0.003 χ^2/NDF: 23440.0/32

All: 22.365+/-0.002 χ^2/NDF: 48078.3/66

- sign 22.331+/-0.003 χ^2/NDF: 24443.5/33

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 143.083+/-59.873 χ^2/NDF:6.4/16

Right Out: 139.546+/-68.888 χ^2/NDF: 11.6/17

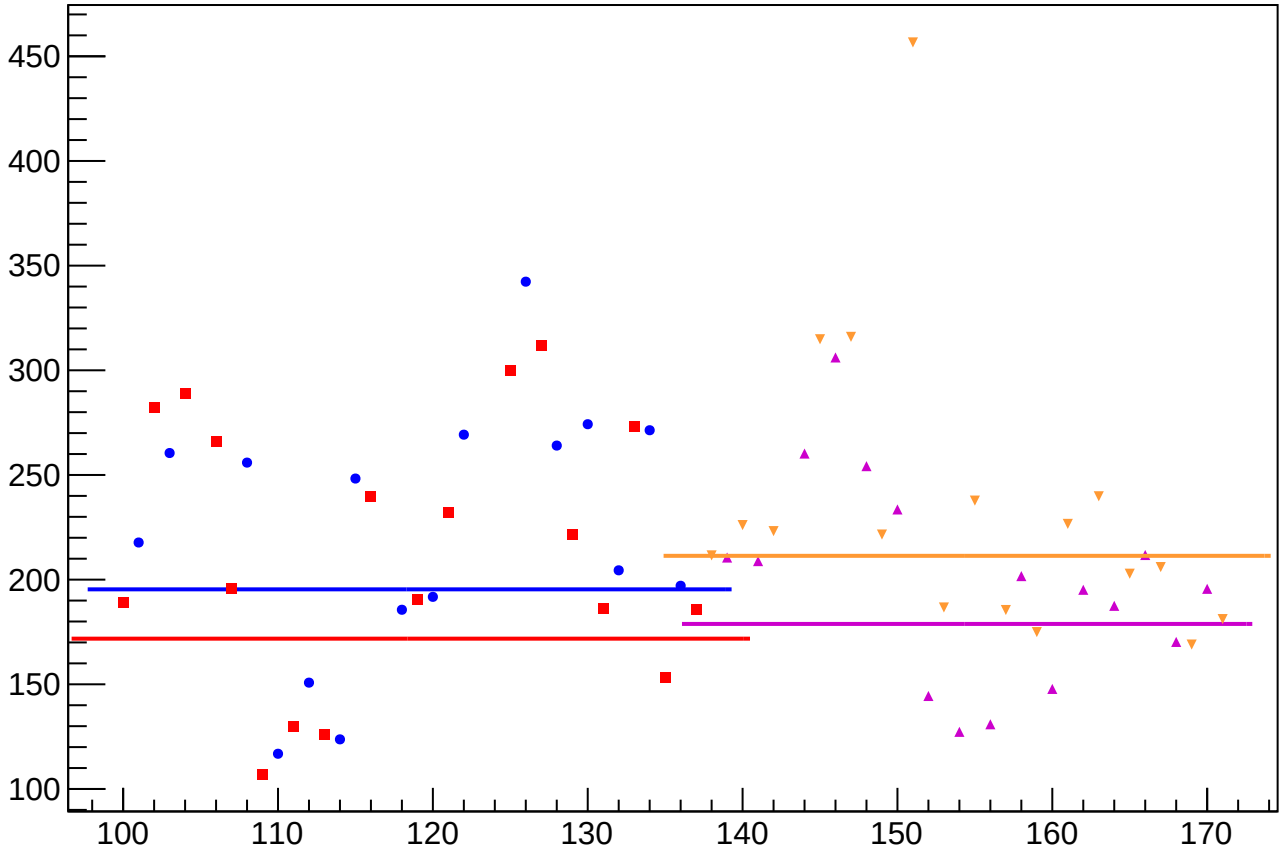
Left In: -128.805+/-52.012 χ^2/NDF:5.2/15

+ sign 69.528+/-47.219 χ^2/NDF: 25.7/32

All: 12.612+/-31.176 χ^2/NDF: 54.7/66

- sign -31.373+/-41.509 χ^2/NDF: 26.5/33

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.374+/-0.042 χ^2/NDF:1152283.5/16

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

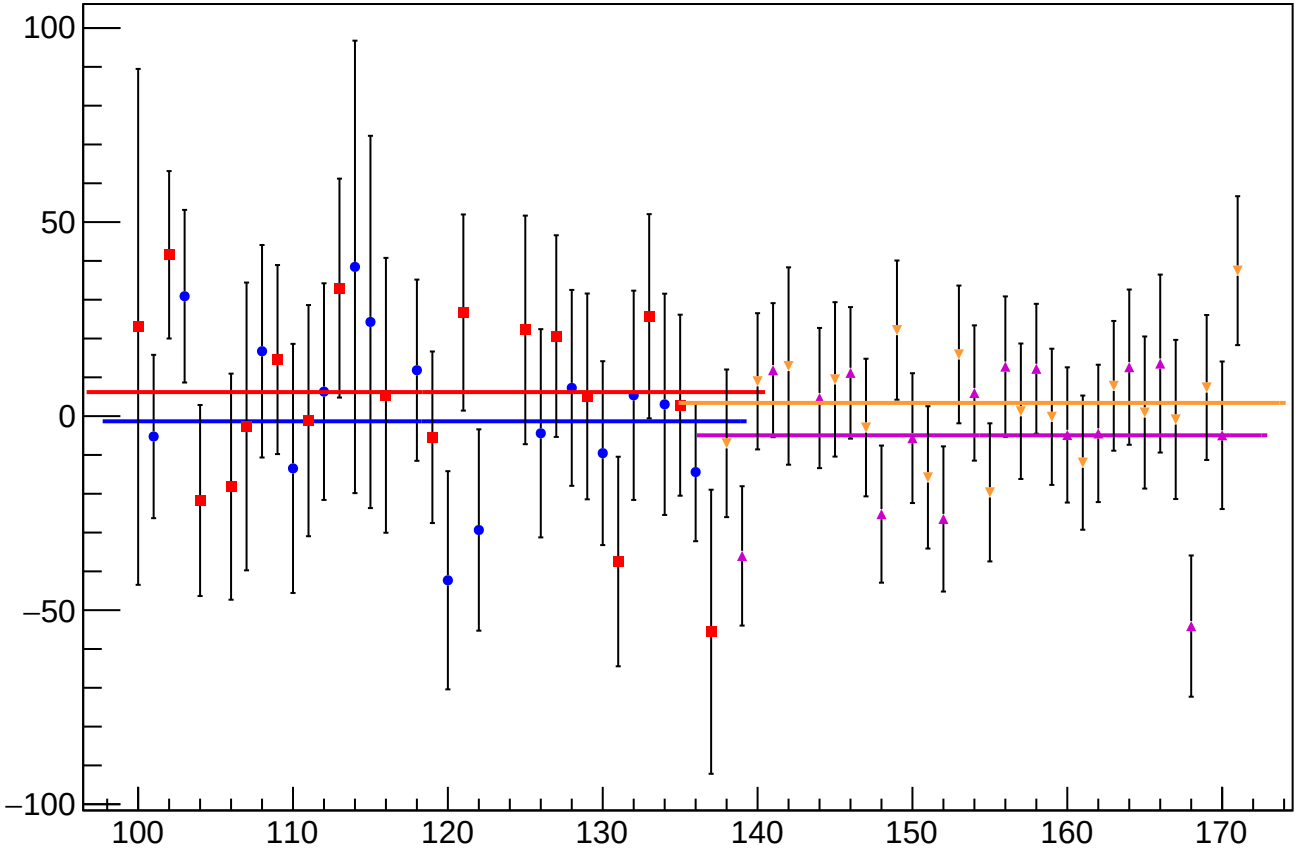
Left In: 178.837+/-0.037 χ^2/NDF:1479795.2/15

+ sign 205.321+/-0.033 χ^2/NDF: 2247800.3/32

All: 188.942+/-0.022 χ^2/NDF: 5768159.1/66

- sign 176.284+/-0.029 χ^2/NDF: 3093733.3/33

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.412+/-4.486 χ^2/NDF:9.3/16

Right Out: 6.195+/-6.473 χ^2/NDF: 13.5/17

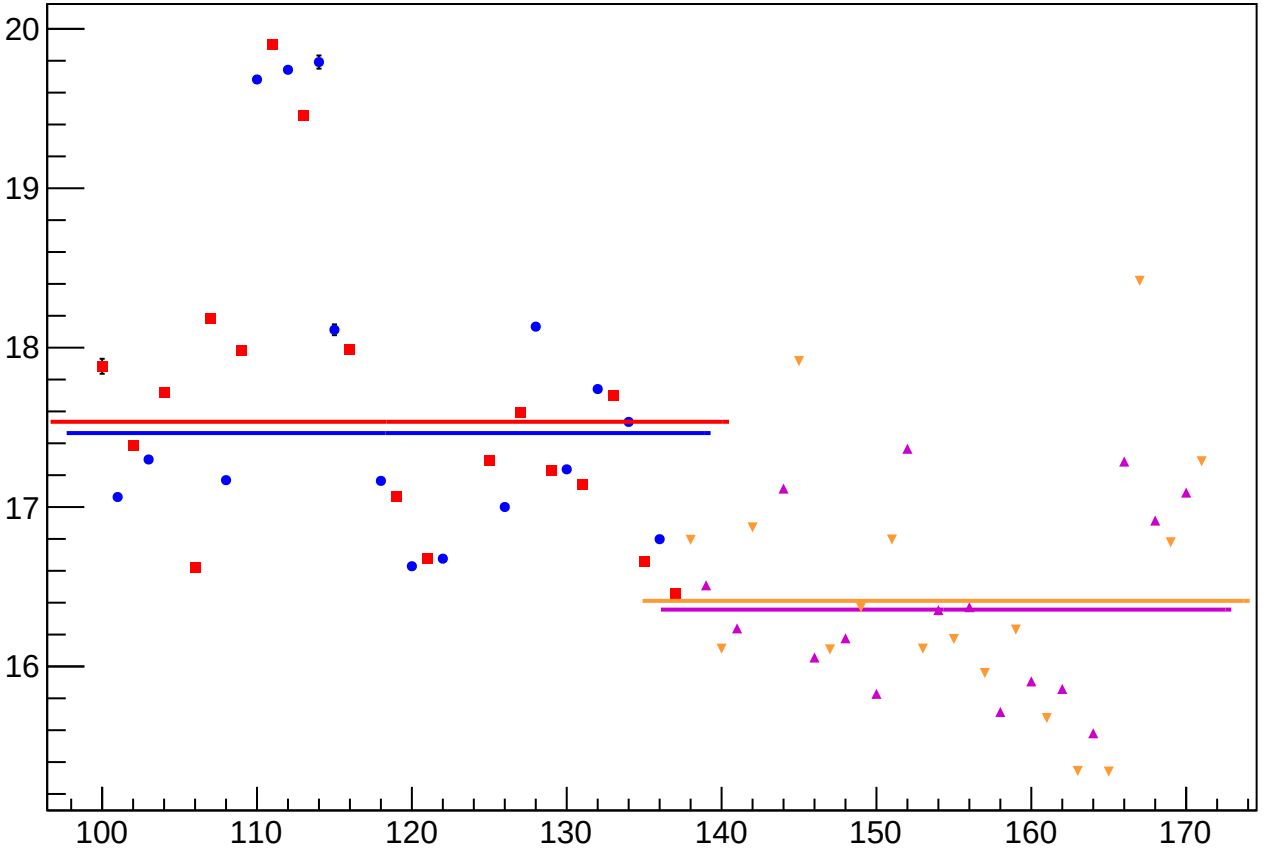
Left In: -4.942+/-4.507 χ^2/NDF:18.9/15

+ sign 1.881+/-3.692 χ^2/NDF: 17.7/32

All: 0.291+/-2.613 χ^2/NDF: 52.4/66

- sign -1.305+/-3.699 χ^2/NDF: 34.3/33

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.412+/-0.003 χ^2/NDF:59312.2/16

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

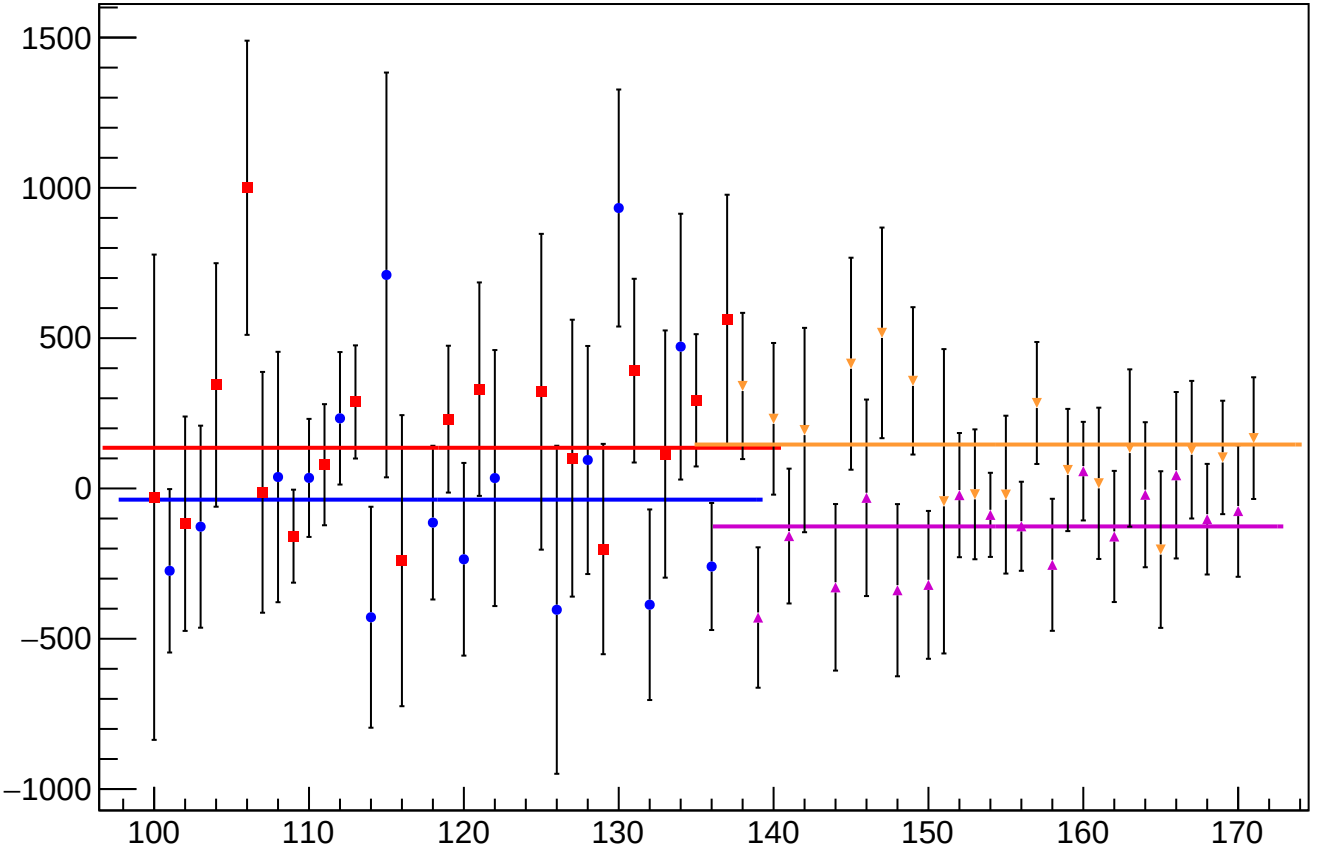
Left In: 16.357+/-0.003 χ^2/NDF:29451.3/15

+ sign 16.751+/-0.003 χ^2/NDF: 131502.2/32

All: 16.746+/-0.002 χ^2/NDF: 240082.4/66

- sign 16.741+/-0.003 χ^2/NDF: 108573.1/33

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 146.120+/-59.856 χ^2/NDF:7.1/16

Right Out: 135.279+/-69.157 χ^2/NDF: 12.8/17

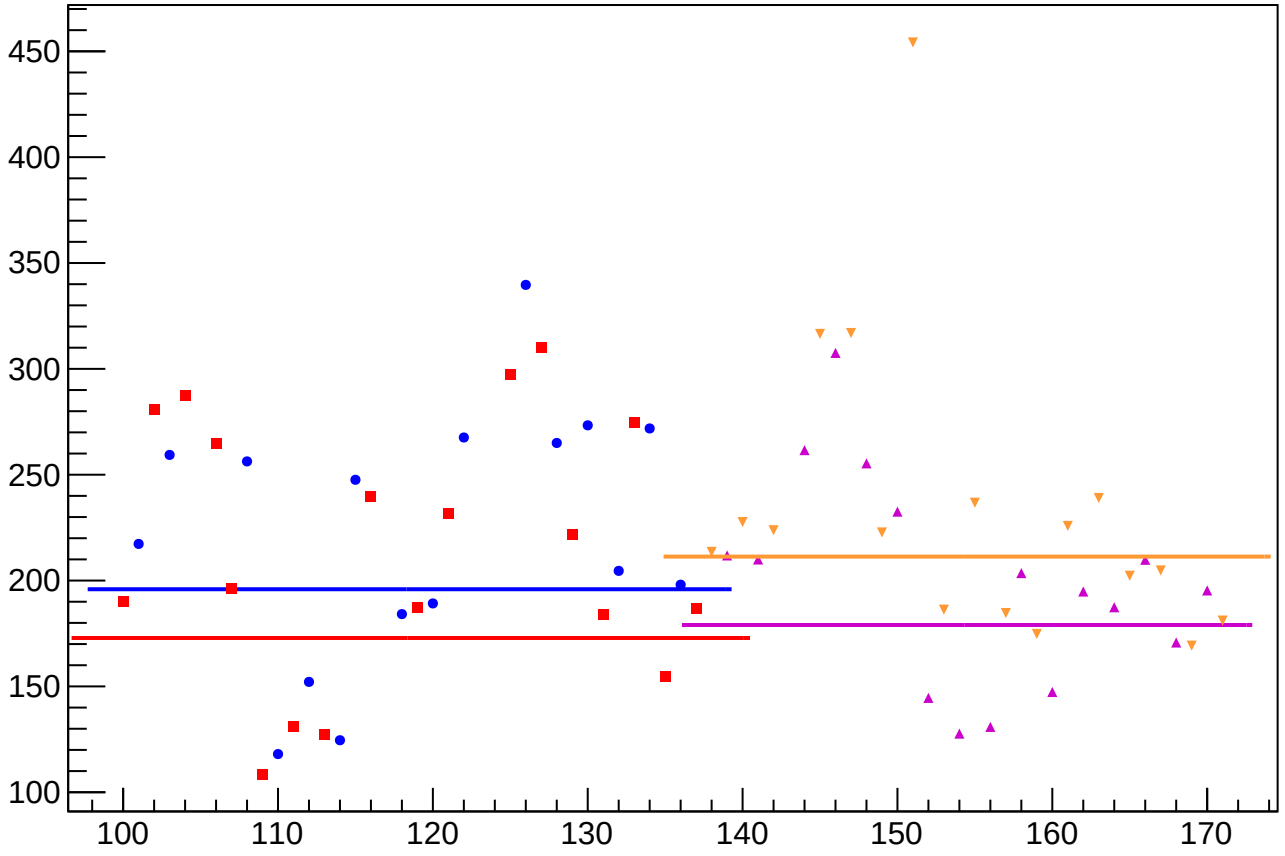
Left In: -126.331+/-52.059 χ^2/NDF:6.1/15

+ sign 76.959+/-47.238 χ^2/NDF: 26.3/32

All: 15.747+/-31.216 χ^2/NDF: 57.3/66

- sign -31.708+/-41.592 χ^2/NDF: 28.0/33

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.321+/-0.042 χ^2/NDF:1157571.1/16

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

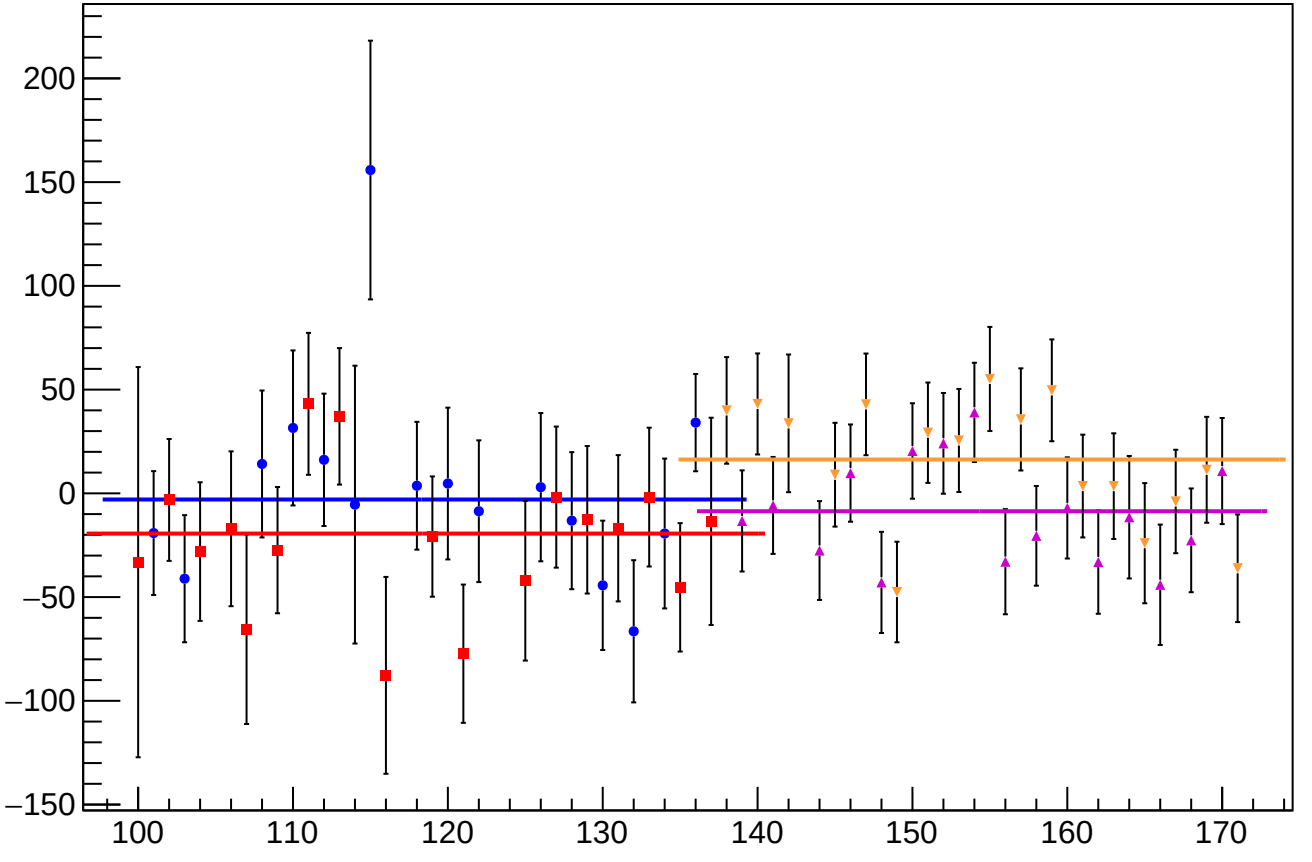
Left In: 179.008+/-0.037 χ^2/NDF:1489488.7/15

+ sign 205.504+/-0.033 χ^2/NDF: 2218657.1/32

All: 189.329+/-0.022 χ^2/NDF: 5677771.9/66

- sign 176.789+/-0.029 χ^2/NDF: 3042792.5/33

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 16.299+/-6.166 χ^2/NDF:23.1/16

Right Out: -19.387+/-8.381 χ^2/NDF: 14.5/17

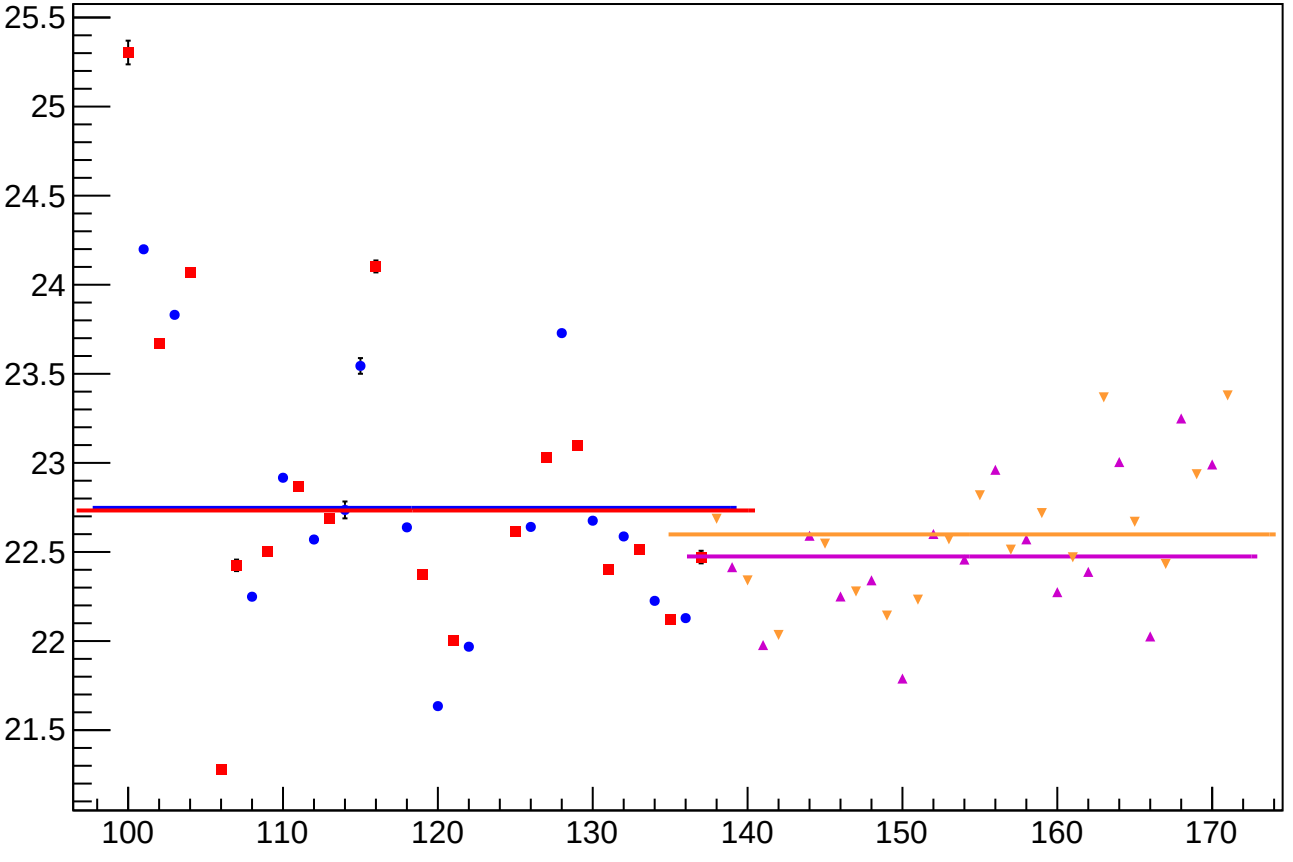
Left In: -8.621+/-6.183 χ^2/NDF:15.2/15

+ sign 9.608+/-4.982 χ^2/NDF: 44.4/32

All: -1.417+/-3.521 χ^2/NDF: 84.9/66

- sign -12.415+/-4.976 χ^2/NDF: 30.8/33

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.599+/-0.004 χ^2/NDF:6709.2/16

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

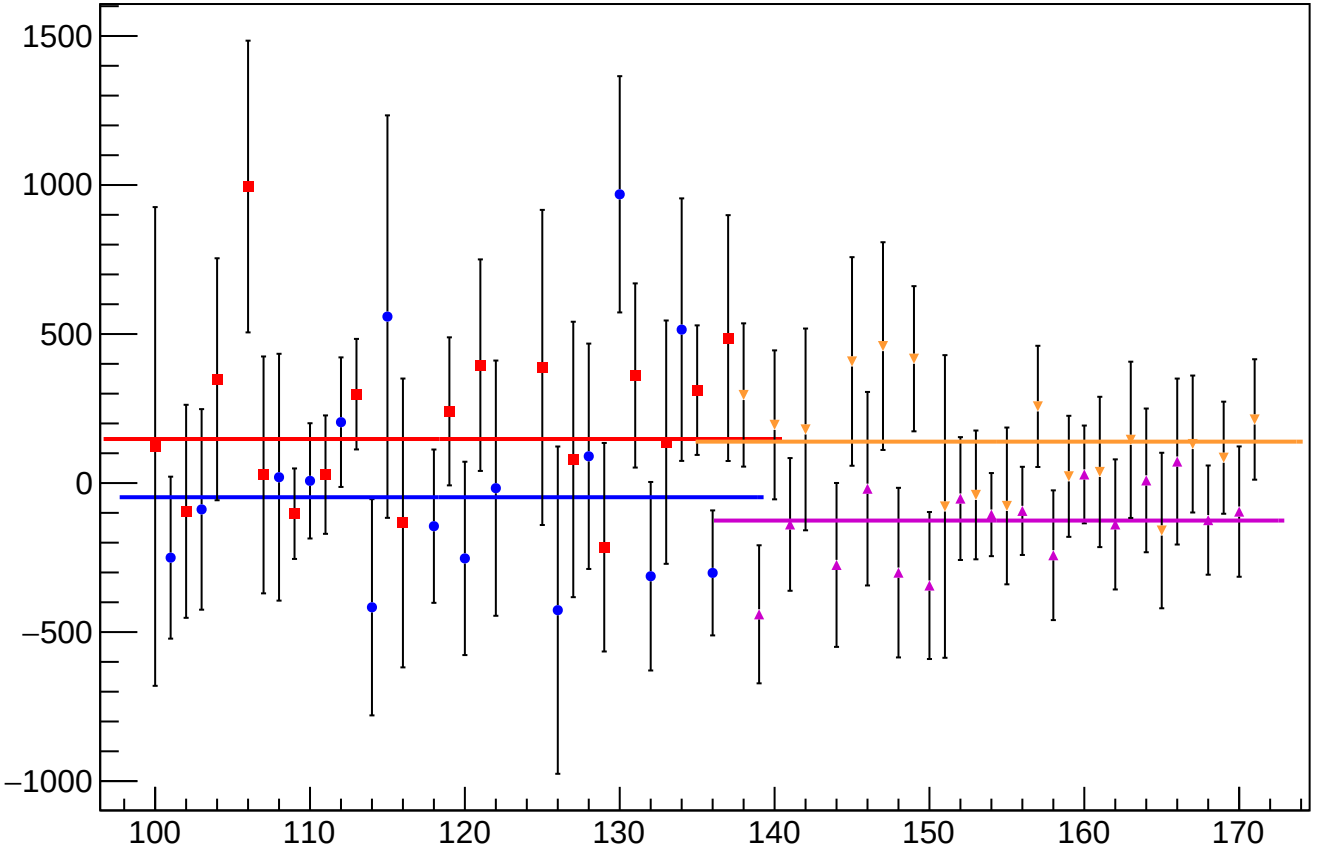
Left In: 22.475+/-0.004 χ^2/NDF:7825.2/15

+ sign 22.650+/-0.004 χ^2/NDF: 21736.9/32

All: 22.608+/-0.002 χ^2/NDF: 45467.5/66

- sign 22.566+/-0.004 χ^2/NDF: 23442.7/33

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.958+/-59.741 χ^2/NDF:7.1/16

Right Out: 147.812+/-68.660 χ^2/NDF: 11.5/17

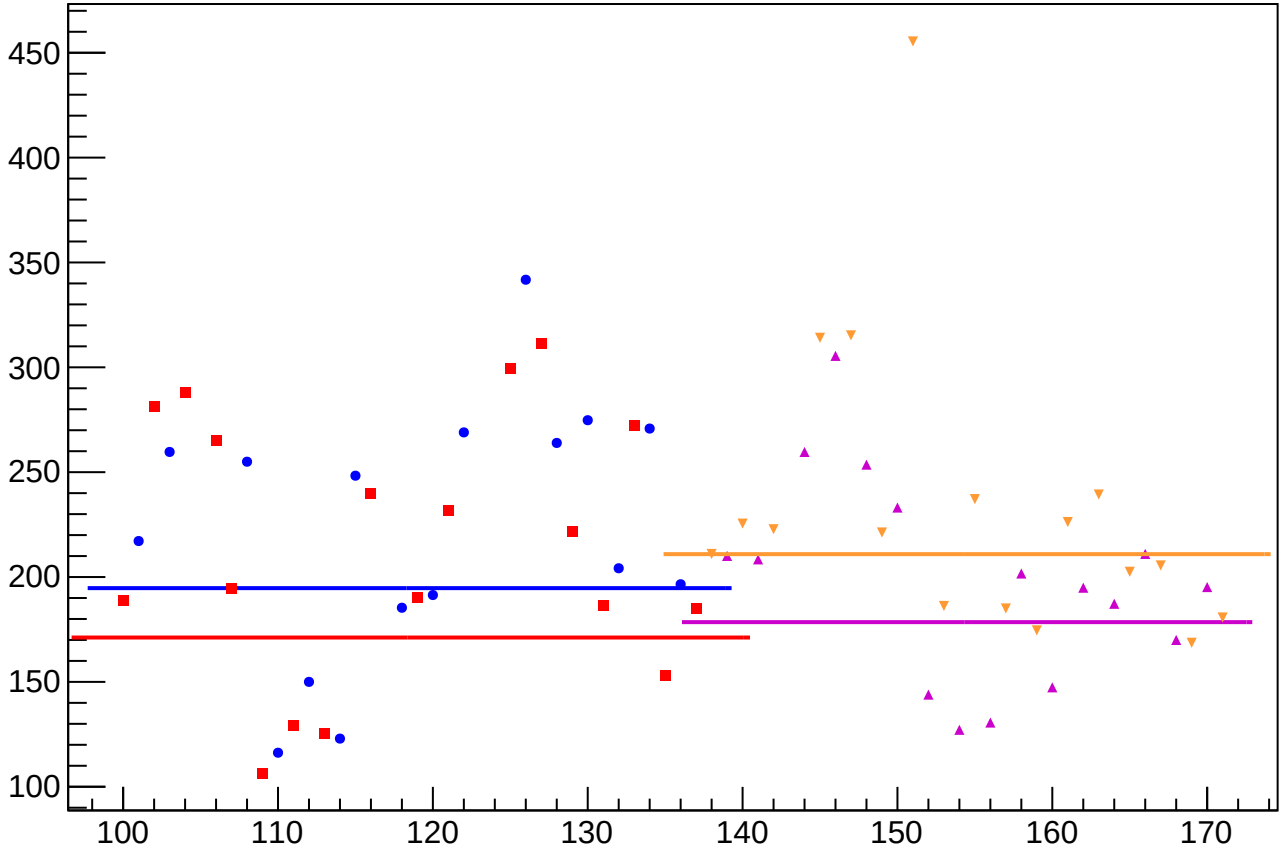
Left In: -125.821+/-51.911 χ^2/NDF:5.6/15

+ sign 68.397+/-47.101 χ^2/NDF: 26.2/32

All: 14.984+/-31.099 χ^2/NDF: 55.7/66

- sign -26.297+/-41.408 χ^2/NDF: 27.3/33

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.912+/-0.042 χ^2/NDF:1151962.7/16

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

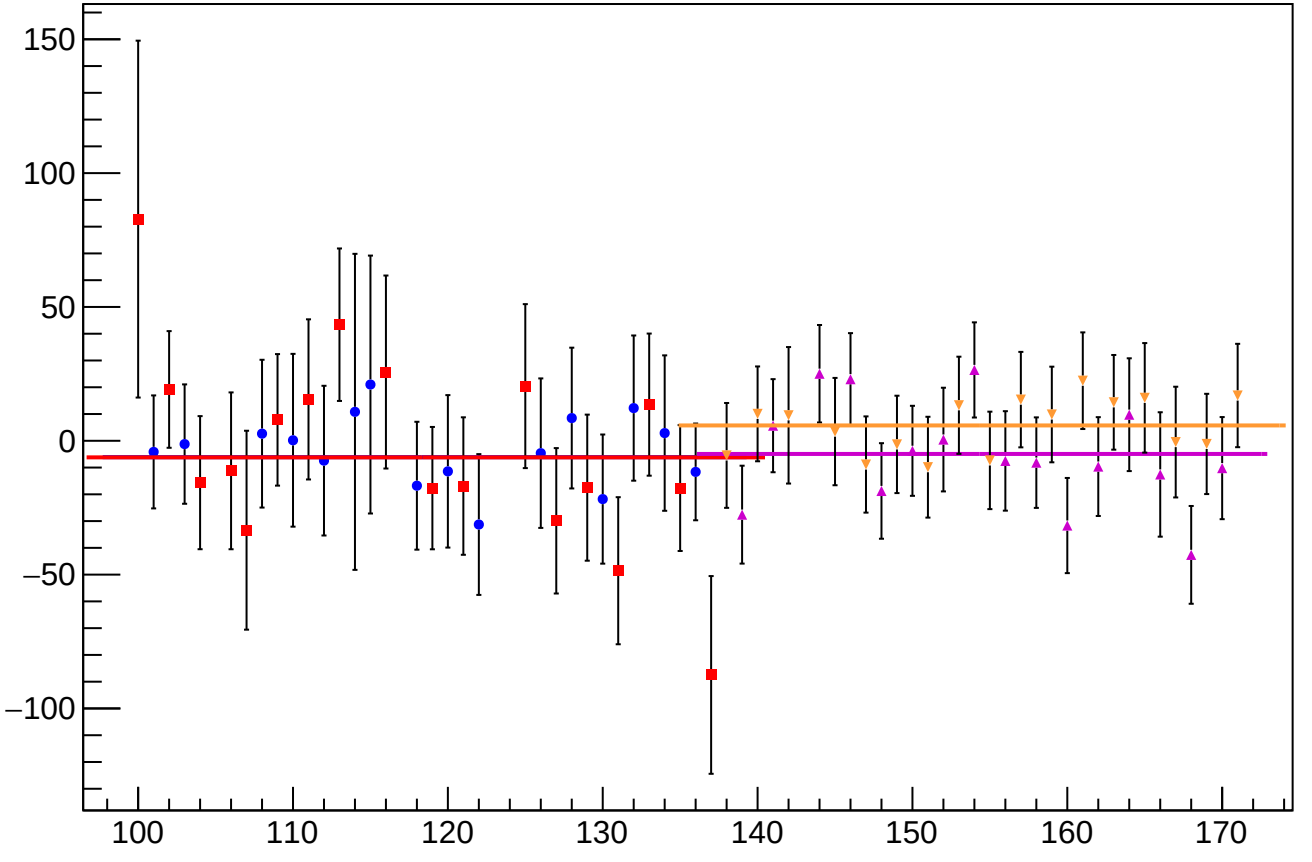
Left In: 178.492+/-0.037 χ^2/NDF:1479632.9/15

+ sign 204.781+/-0.033 χ^2/NDF: 2259926.2/32

All: 188.447+/-0.022 χ^2/NDF: 5792395.1/66

- sign 175.824+/-0.029 χ^2/NDF: 3106094.3/33

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.736+/-4.583 χ^2/NDF:4.9/16

Right Out: -6.195+/-6.580 χ^2/NDF: 18.6/17

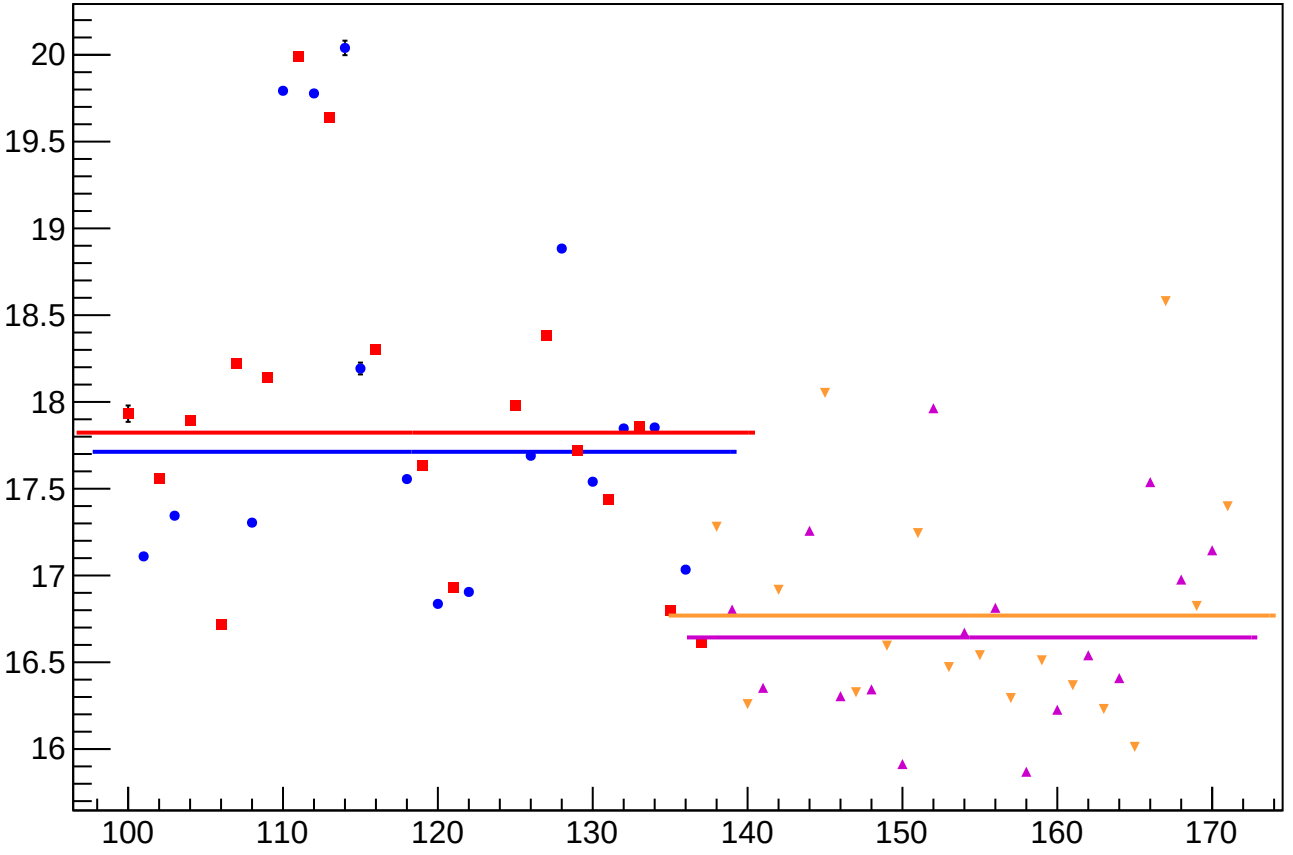
Left In: -4.915+/-4.587 χ^2/NDF:18.4/15

+ sign 1.873+/-3.763 χ^2/NDF: 10.2/32

All: -1.730+/-2.661 χ^2/NDF: 49.0/66

- sign -5.334+/-3.763 χ^2/NDF: 37.0/33

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.769+/-0.003 χ^2/NDF:39695.0/16

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

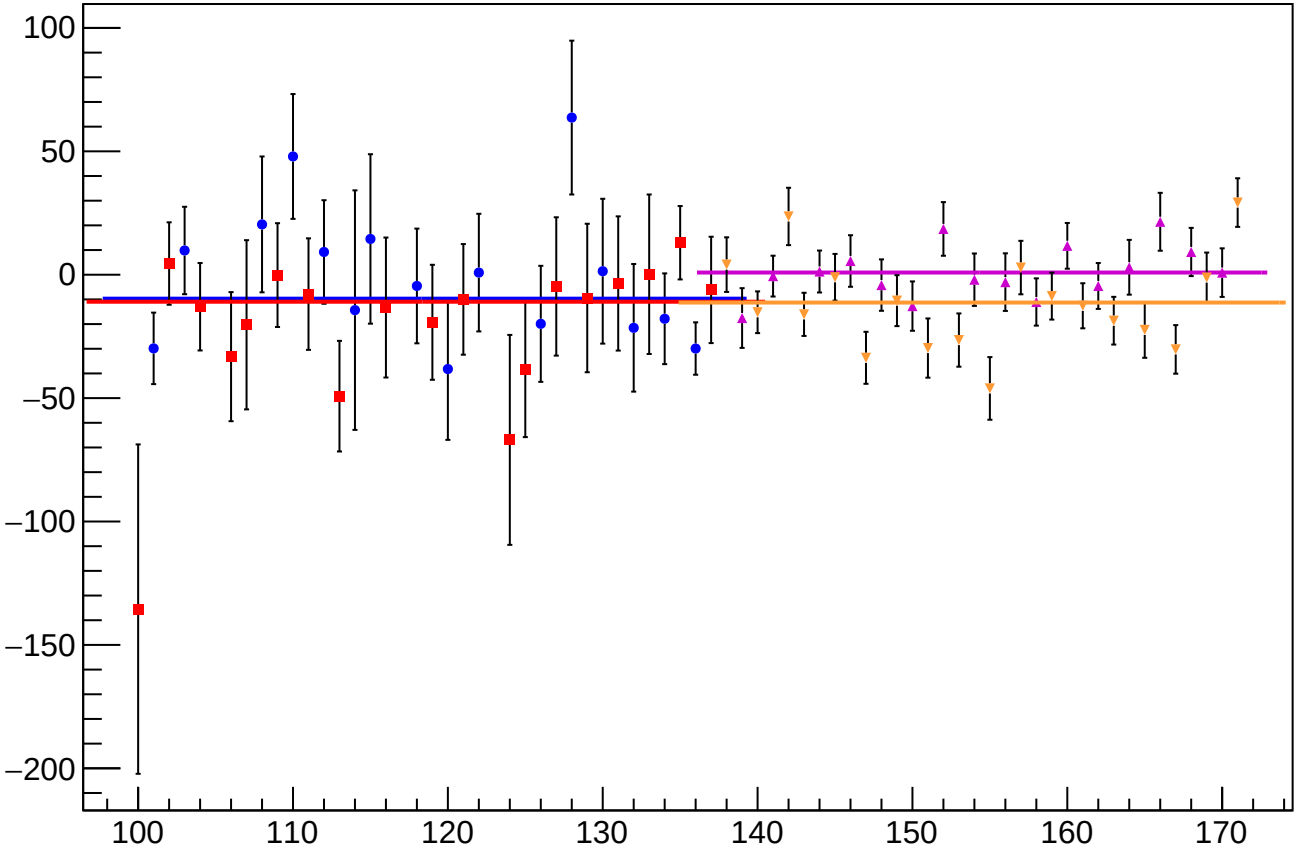
Left In: 16.643+/-0.003 χ^2/NDF:28175.7/15

+ sign 17.077+/-0.003 χ^2/NDF: 103298.5/32

All: 17.053+/-0.002 χ^2/NDF: 207425.9/66

- sign 17.029+/-0.003 χ^2/NDF: 103967.4/33

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -11.273+/-2.394 χ^2/NDF:54.0/17

Right Out: -10.938+/-5.436 χ^2/NDF: 14.1/18

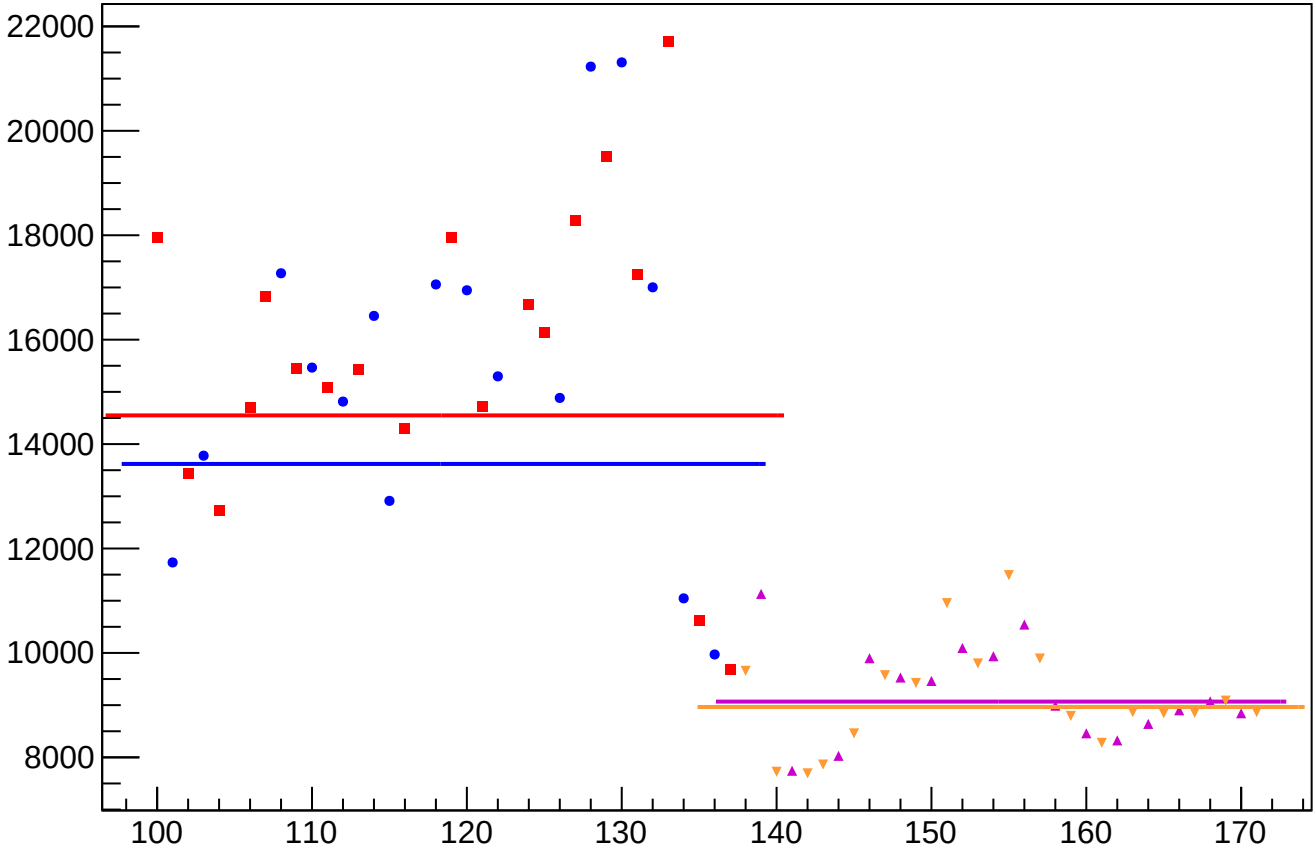
Left In: 0.889+/-2.511 χ^2/NDF:14.6/15

+ sign -11.001+/-2.177 χ^2/NDF: 76.1/33

All: -6.321+/-1.574 χ^2/NDF: 118.3/68

- sign -1.190+/-2.279 χ^2/NDF: 32.6/34

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8964.721+/-1.693 χ^2/NDF:296920.4/17

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

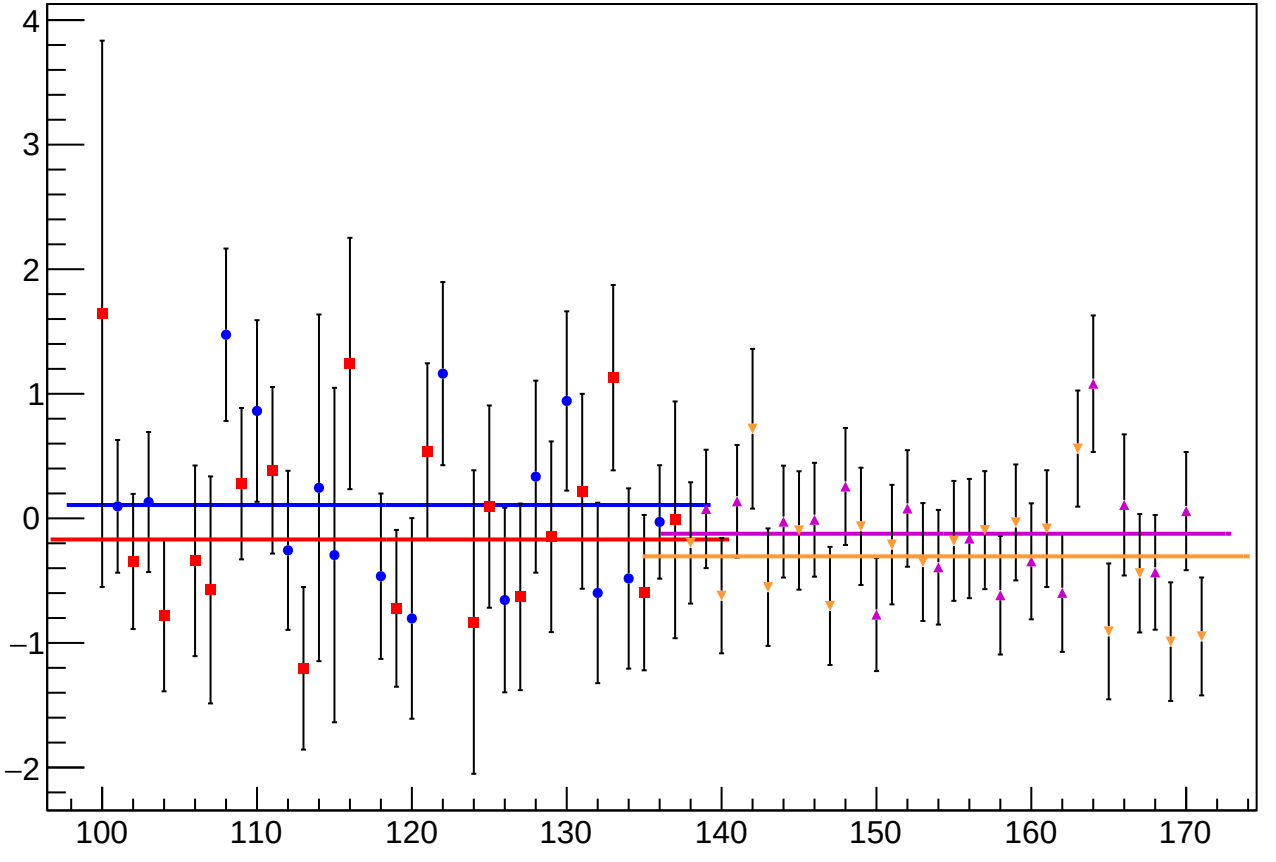
Left In: 9067.783+/-1.775 χ^2/NDF:248005.8/15

+ sign 9770.836+/-1.539 χ^2/NDF: 2353314.0/33

All: 9895.192+/-1.113 χ^2/NDF: 4847112.7/68

- sign 10031.519+/-1.612 χ^2/NDF: 2480118.1/34

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.305+/-0.114 χ^2/NDF:14.0/17

Right Out: -0.169+/-0.169 χ^2/NDF: 14.1/18

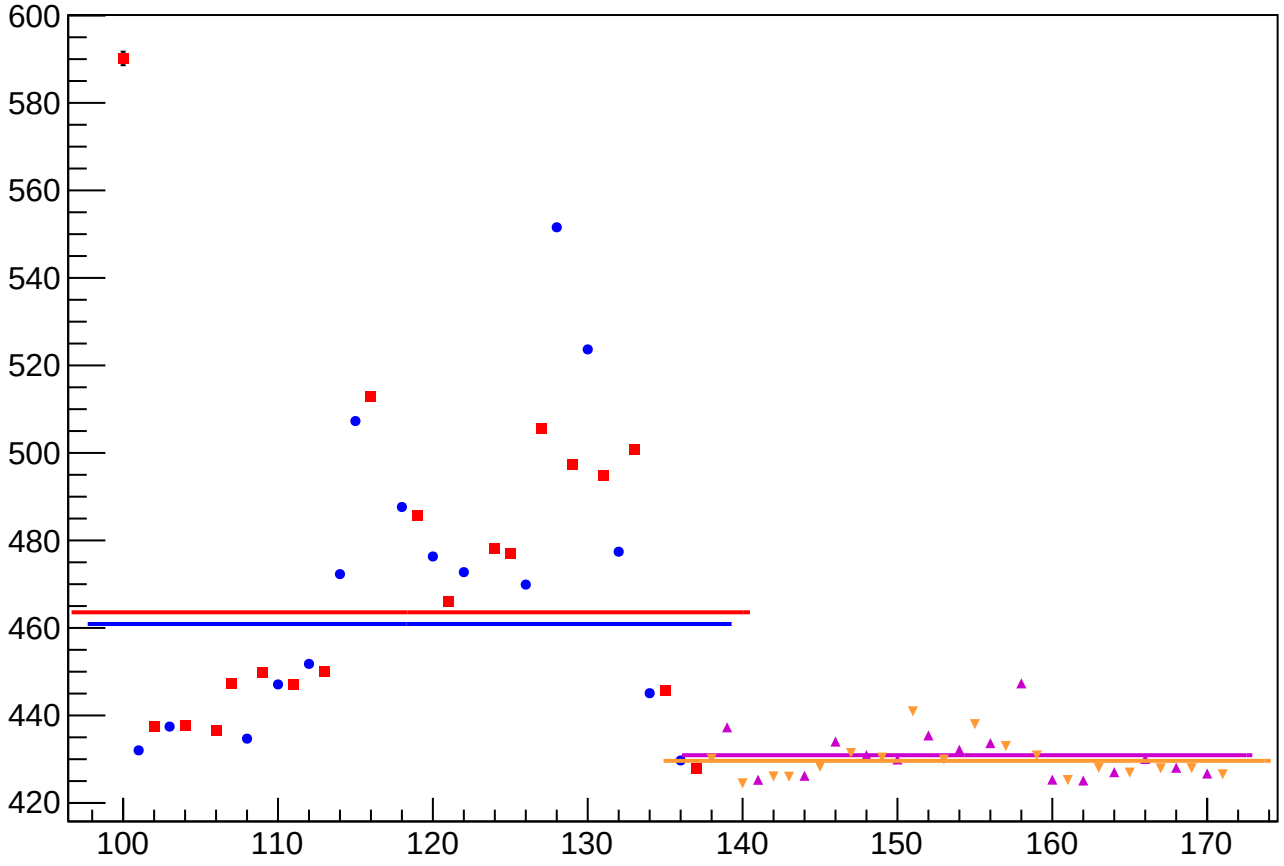
Left In: -0.123+/-0.119 χ^2/NDF:11.7/15

+ sign -0.179+/-0.095 χ^2/NDF: 31.7/33

All: -0.159+/-0.068 χ^2/NDF: 57.7/68

- sign -0.138+/-0.097 χ^2/NDF: 25.9/34

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.631+/-0.080 χ^2/NDF:2697.1/17

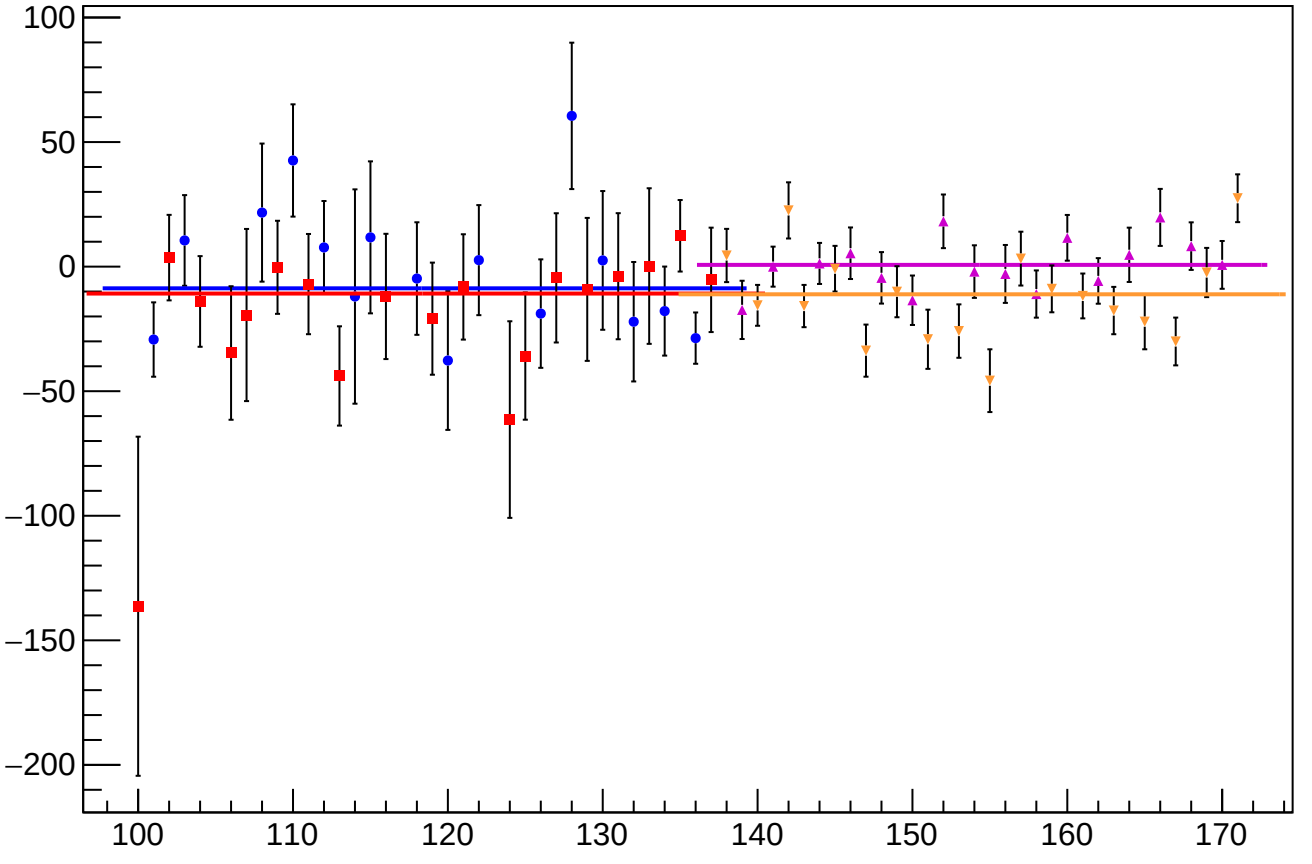
Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.914+/-0.084 χ^2/NDF:4557.8/15

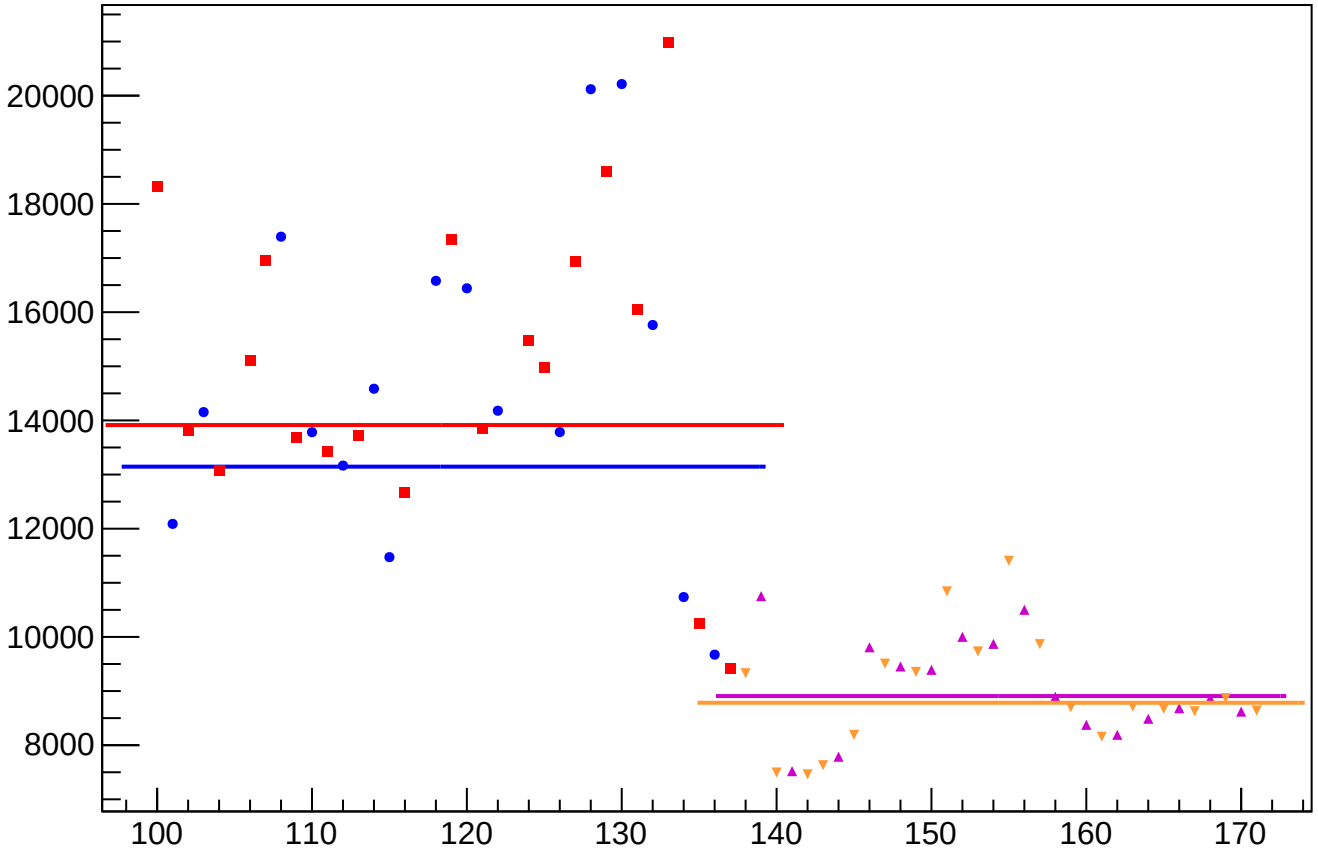
+ sign 439.174+/-0.067 χ^2/NDF: 123733.7/33

All: 440.379+/-0.048 χ^2/NDF: 231023.8/68

- sign 441.643+/-0.069 χ^2/NDF: 106628.2/34


diff_bpm_4aX_4eX_avg_mean vs Slug
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -11.104+/-2.348 χ²/NDF:53.5/17
Right Out: -10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 0.702+/-2.467 χ²/NDF:14.7/15
+ sign -10.676+/-2.128 χ²/NDF: 75.9/33
All: -6.262+/-1.539 χ²/NDF: 117.5/68
- sign -1.419+/-2.229 χ²/NDF: 32.5/34

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8783.789+/-1.660 χ^2/NDF:336973.9/17

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

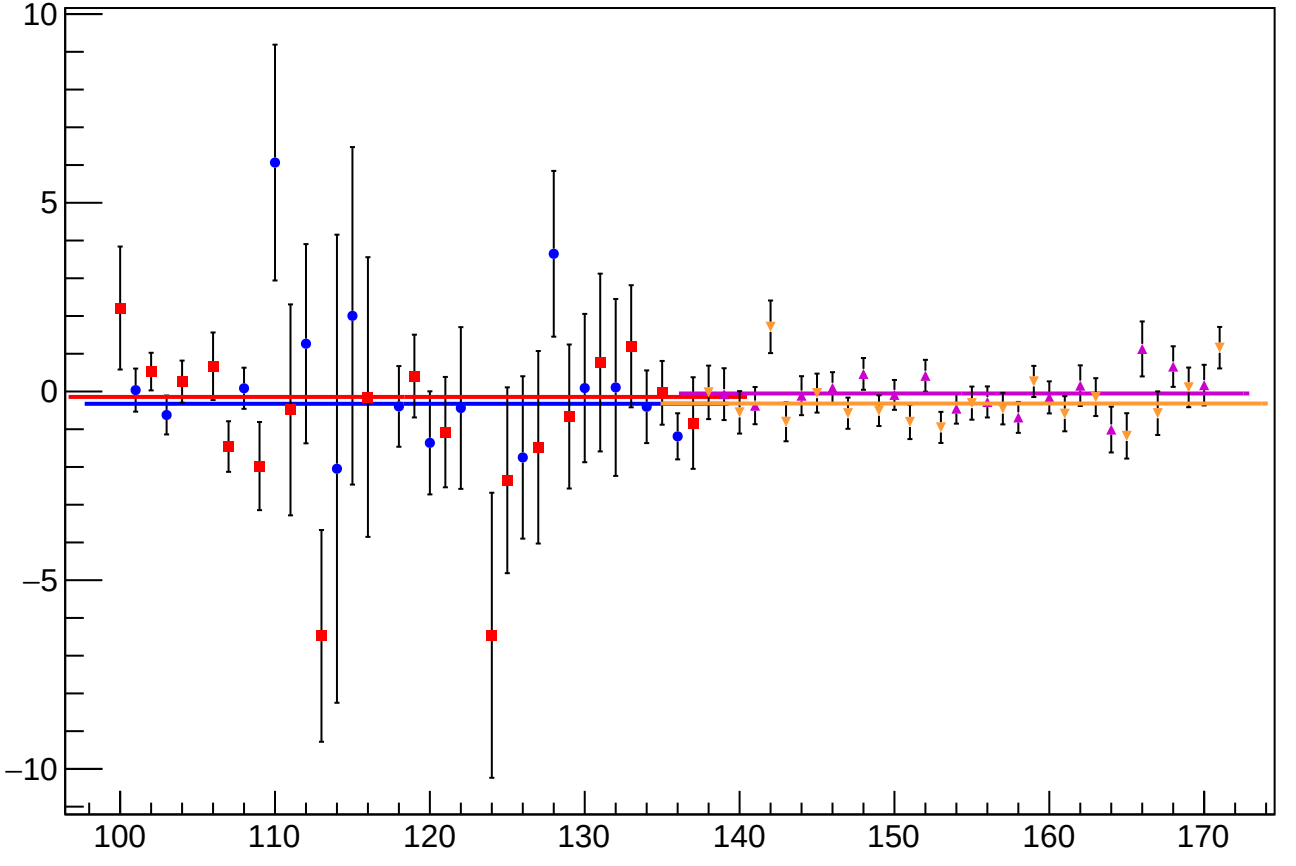
Left In: 8907.839+/-1.745 χ^2/NDF:271537.4/15

+ sign 9562.552+/-1.505 χ^2/NDF: 2252351.4/33

All: 9690.314+/-1.088 χ^2/NDF: 4567496.8/68

- sign 9830.471+/-1.576 χ^2/NDF: 2300023.8/34

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.319+/-0.115 χ^2/NDF:26.8/17

Right Out: -0.144+/-0.244 χ^2/NDF: 22.5/18

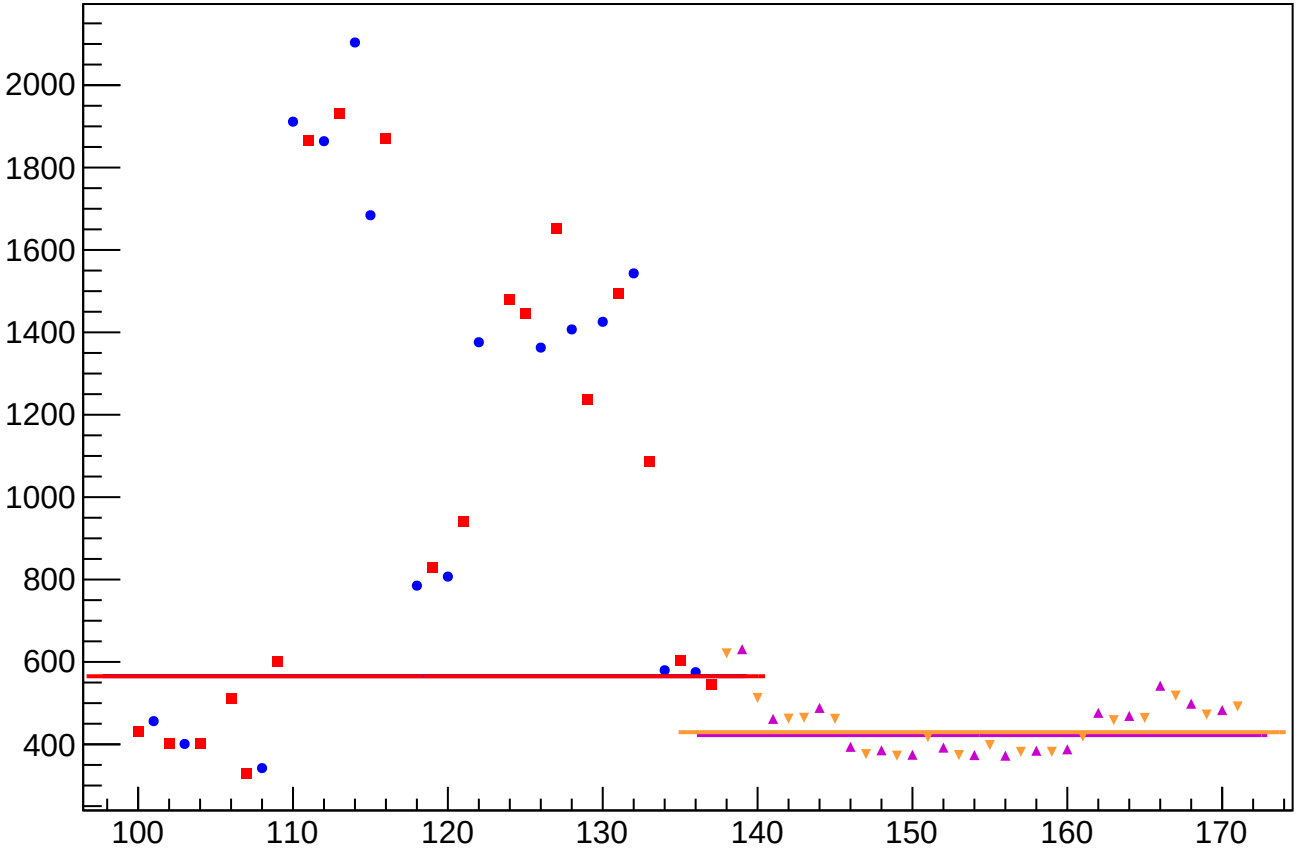
Left In: -0.053+/-0.118 χ^2/NDF:14.3/15

+ sign -0.320+/-0.104 χ^2/NDF: 39.4/33

All: -0.197+/-0.074 χ^2/NDF: 79.1/68

- sign -0.070+/-0.106 χ^2/NDF: 36.8/34

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 429.465+/-0.081 χ^2/NDF:484419.2/17

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

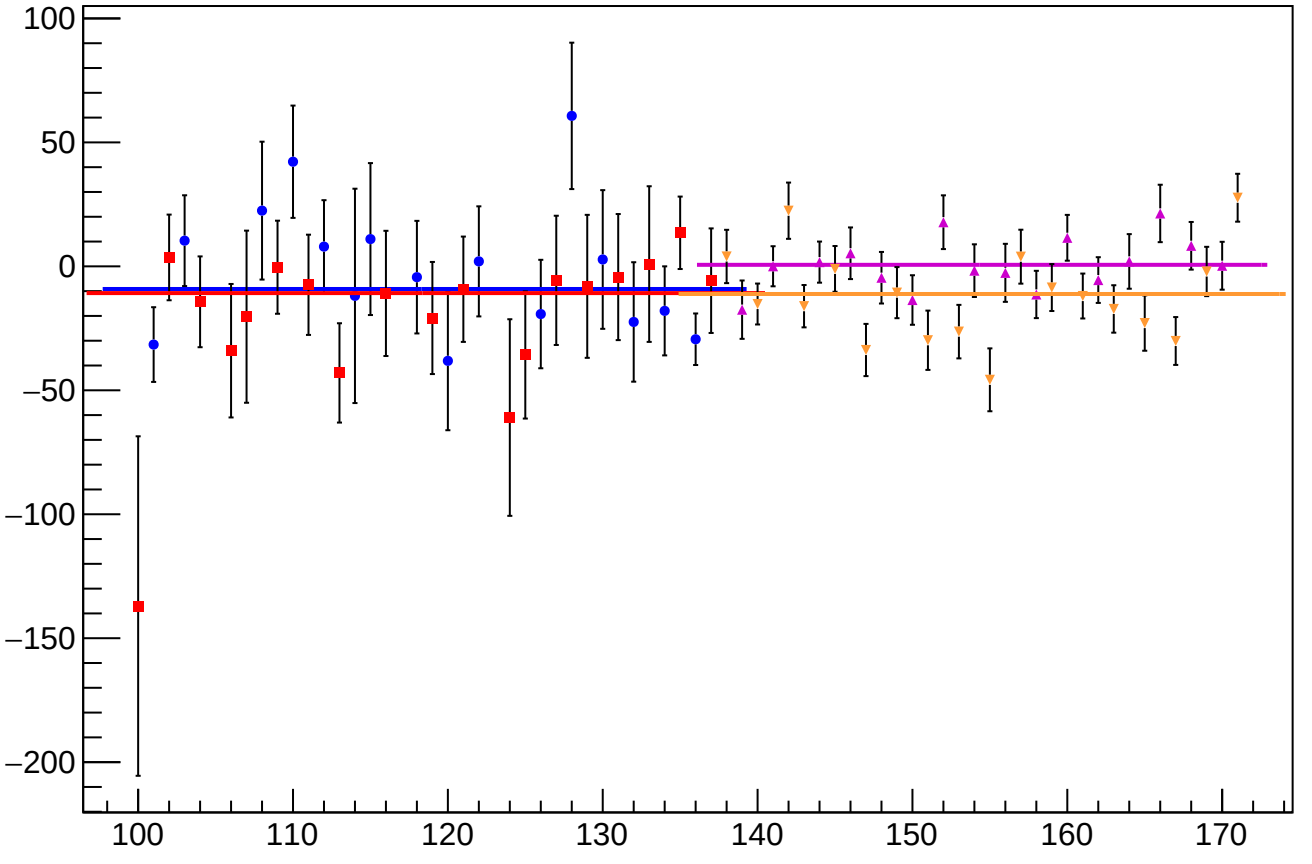
Left In: 422.426+/-0.083 χ^2/NDF:535148.0/15

+ sign 454.238+/-0.074 χ^2/NDF: 4443135.6/33

All: 451.835+/-0.053 χ^2/NDF: 9106282.8/68

- sign 449.342+/-0.075 χ^2/NDF: 4660978.1/34

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -11.152+/-2.363 χ^2/NDF:53.4/17

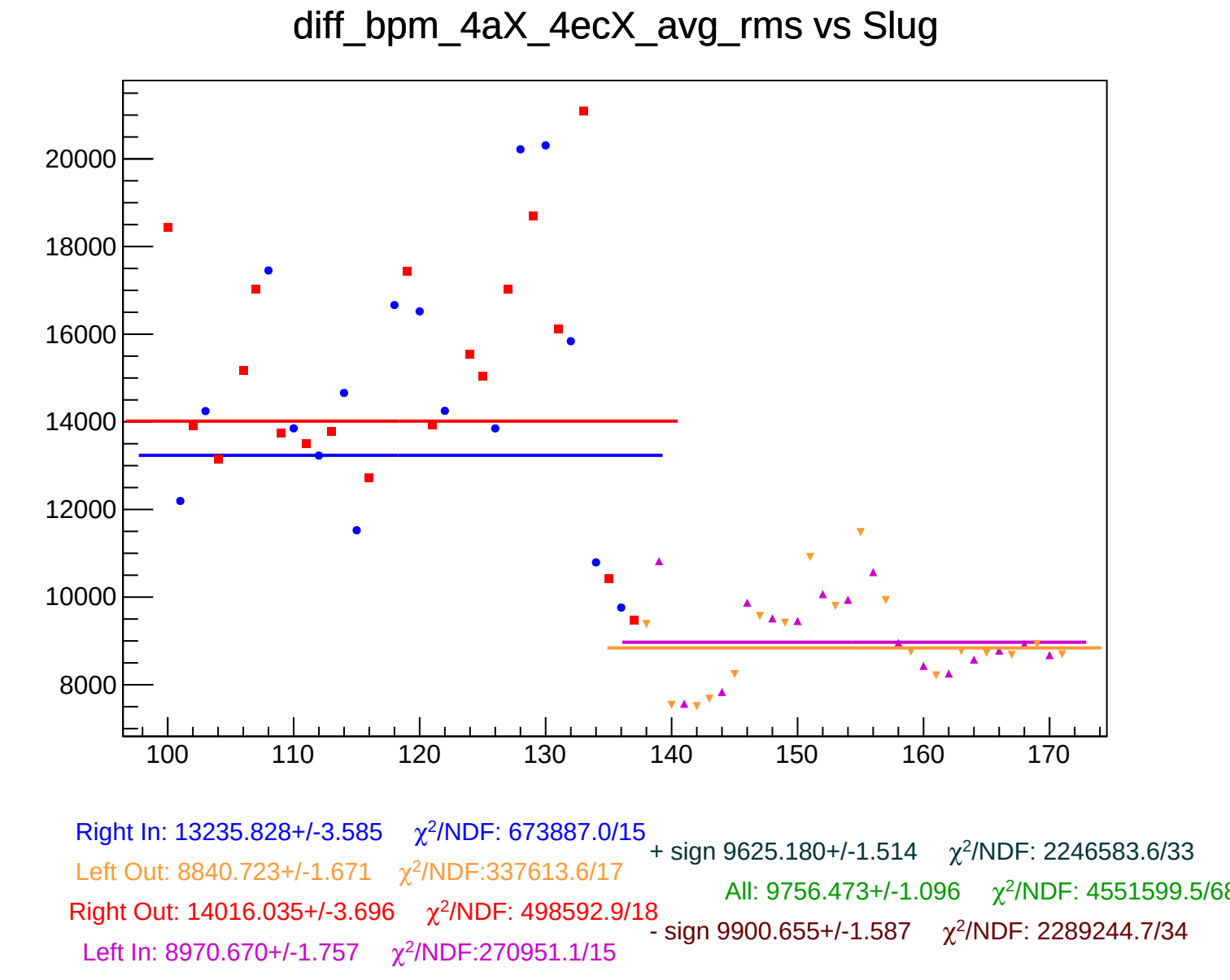
Right Out: -10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 0.615+/-2.485 χ^2/NDF:14.8/15

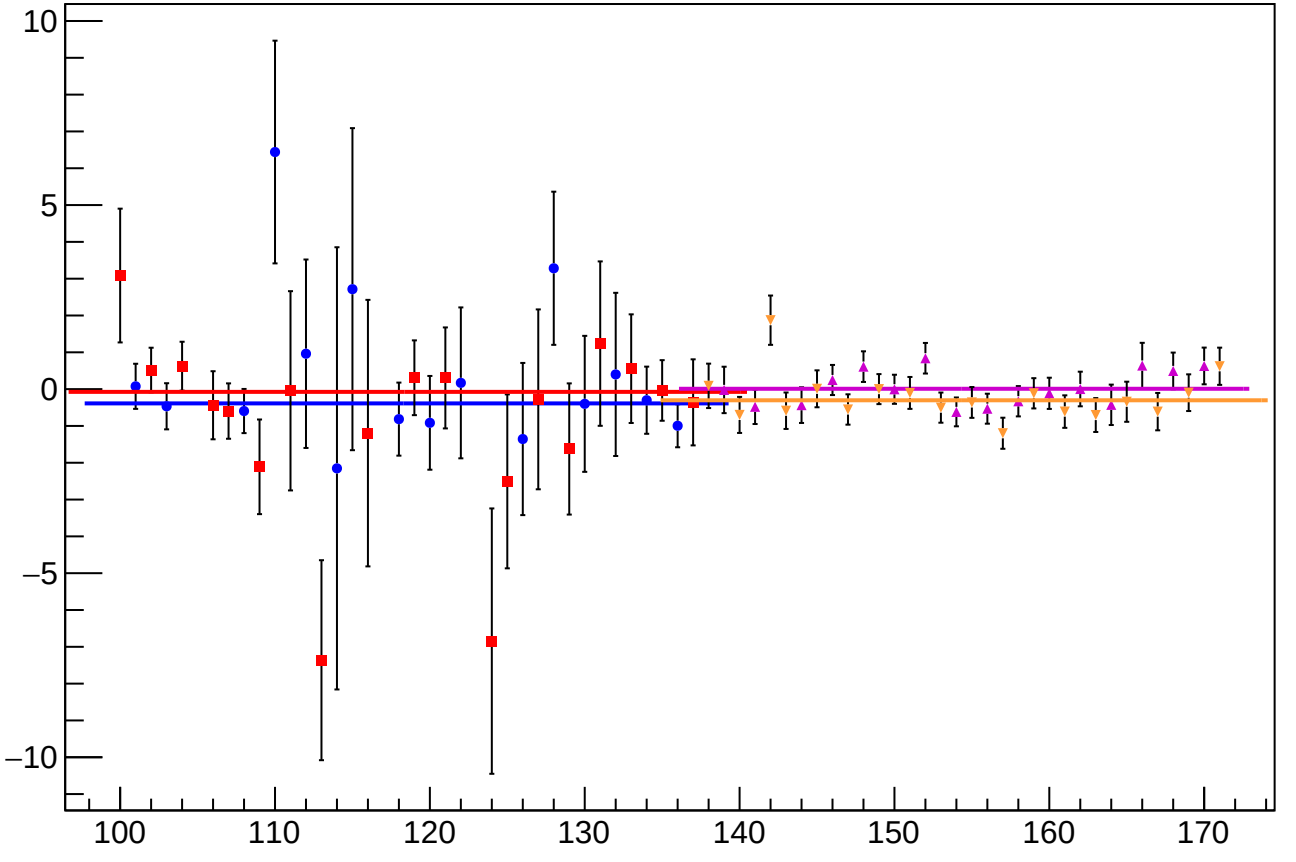
+ sign -10.791+/-2.142 χ^2/NDF: 76.2/33

All: -6.357+/-1.549 χ^2/NDF: 117.6/68

- sign -1.487+/-2.244 χ^2/NDF: 32.3/34


diff_bpm_4aX_4ecX_avg_rms vs Slug
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8840.723+/-1.671 χ²/NDF:337613.6/17
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8970.670+/-1.757 χ²/NDF:270951.1/15
+ sign 9625.180+/-1.514 χ²/NDF: 2246583.6/33
All: 9756.473+/-1.096 χ²/NDF: 4551599.5/68
- sign 9900.655+/-1.587 χ²/NDF: 2289244.7/34

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.303+/-0.110 χ^2/NDF:23.6/17

Right Out: -0.075+/-0.265 χ^2/NDF: 21.7/18

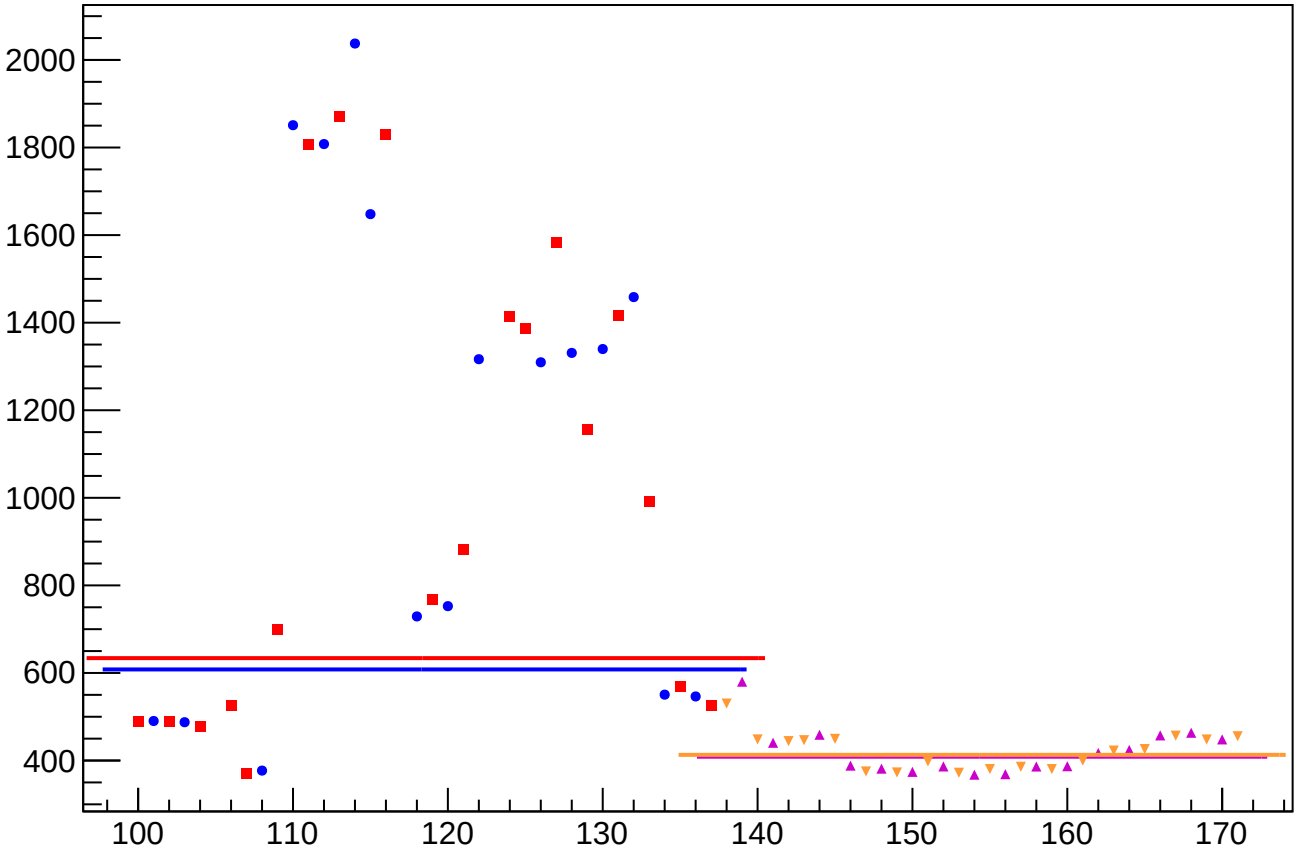
Left In: 0.009+/-0.113 χ^2/NDF:17.6/15

+ sign -0.316+/-0.101 χ^2/NDF: 35.3/33

All: -0.165+/-0.073 χ^2/NDF: 79.4/68

- sign -0.004+/-0.104 χ^2/NDF: 39.4/34

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 413.009+/-0.078 χ^2/NDF:244160.6/17

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

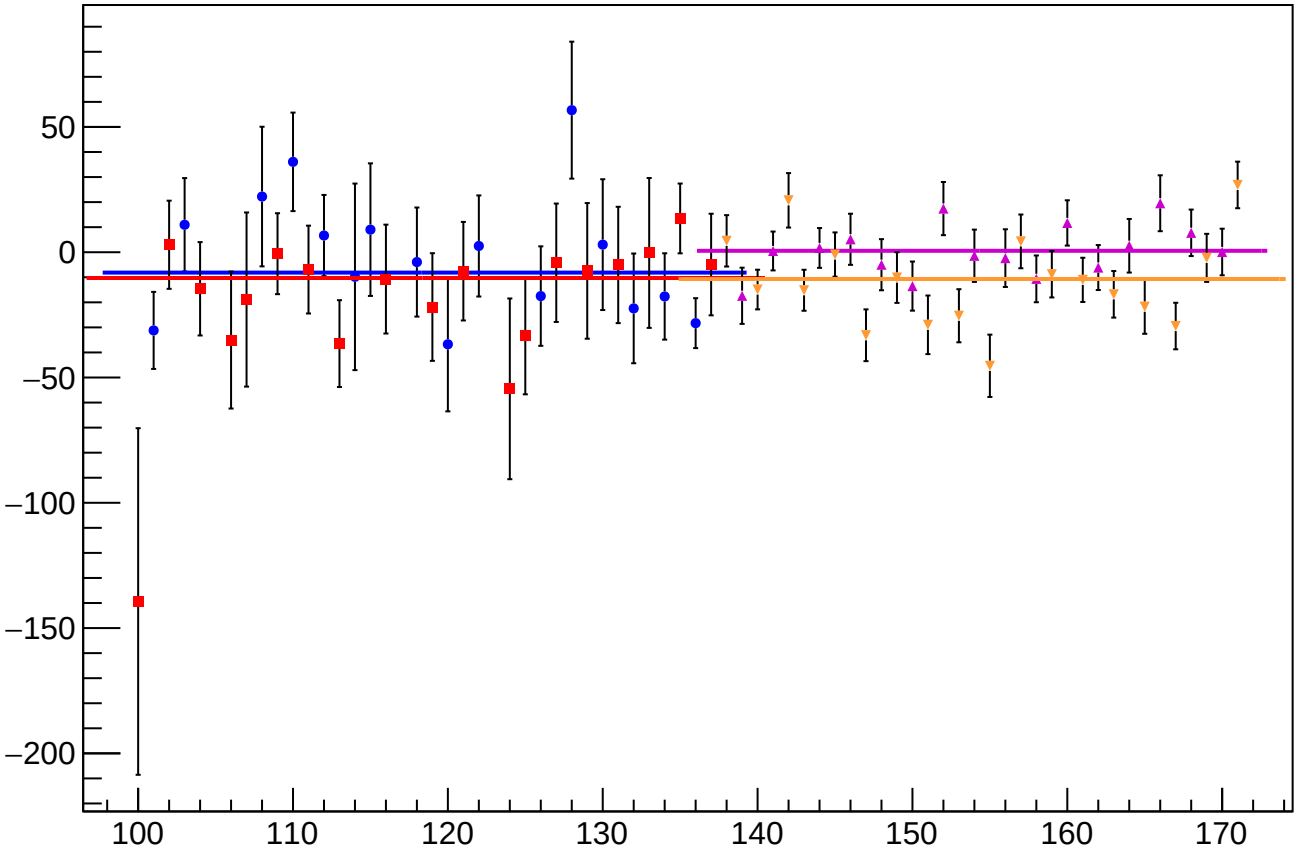
Left In: 408.710+/-0.080 χ^2/NDF:316493.2/15

+ sign 443.462+/-0.071 χ^2/NDF: 4078967.0/33

All: 443.555+/-0.051 χ^2/NDF: 8408267.1/68

- sign 443.653+/-0.074 χ^2/NDF: 4329296.7/34

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -10.682+/-2.288 χ^2/NDF:53.9/17

Right Out: -10.288+/-4.873 χ^2/NDF: 13.7/18

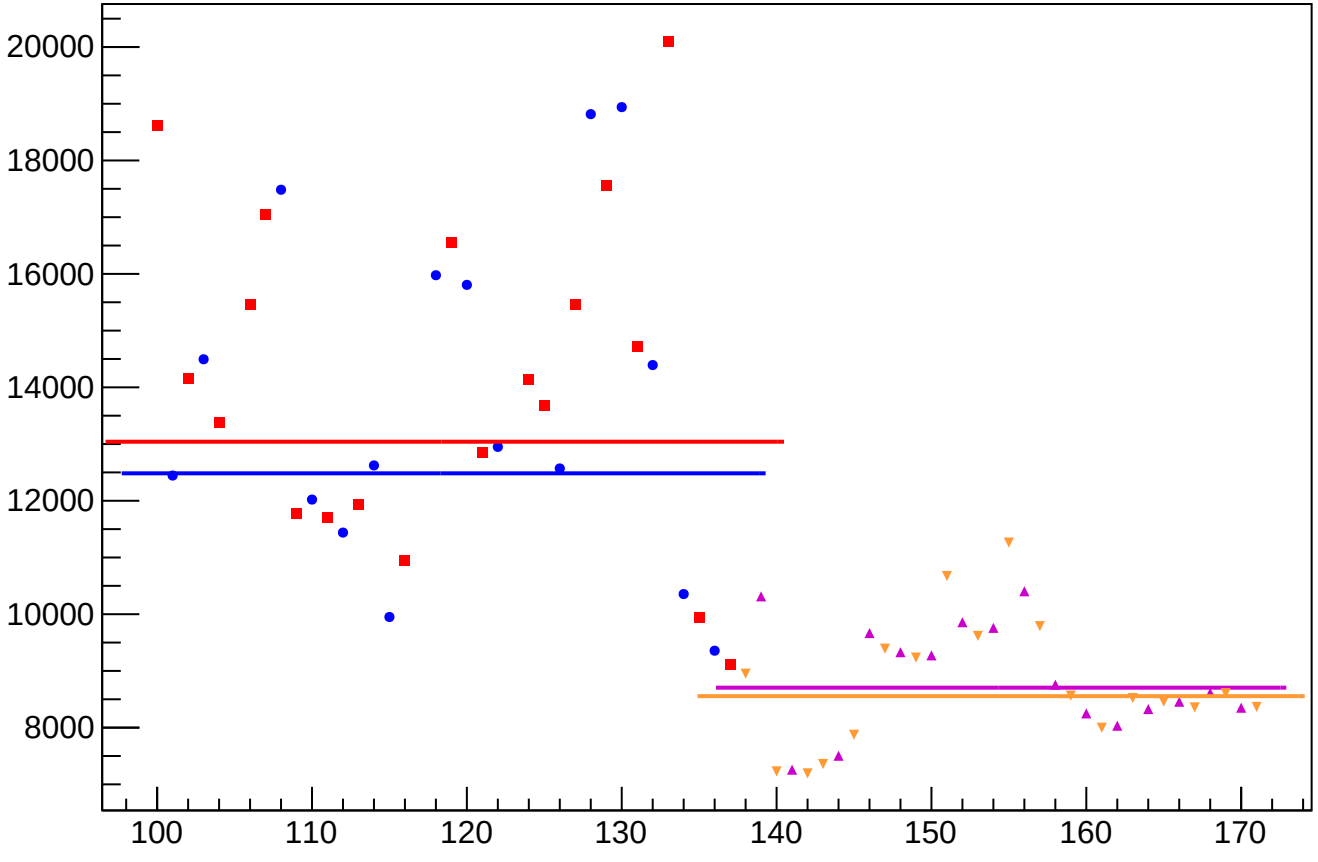
Left In: 0.569+/-2.412 χ^2/NDF:14.8/15

+ sign -10.206+/-2.064 χ^2/NDF: 77.2/33

All: -6.087+/-1.493 χ^2/NDF: 118.1/68

- sign -1.568+/-2.162 χ^2/NDF: 32.5/34

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8554.776+/-1.618 χ^2/NDF:384356.0/17

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

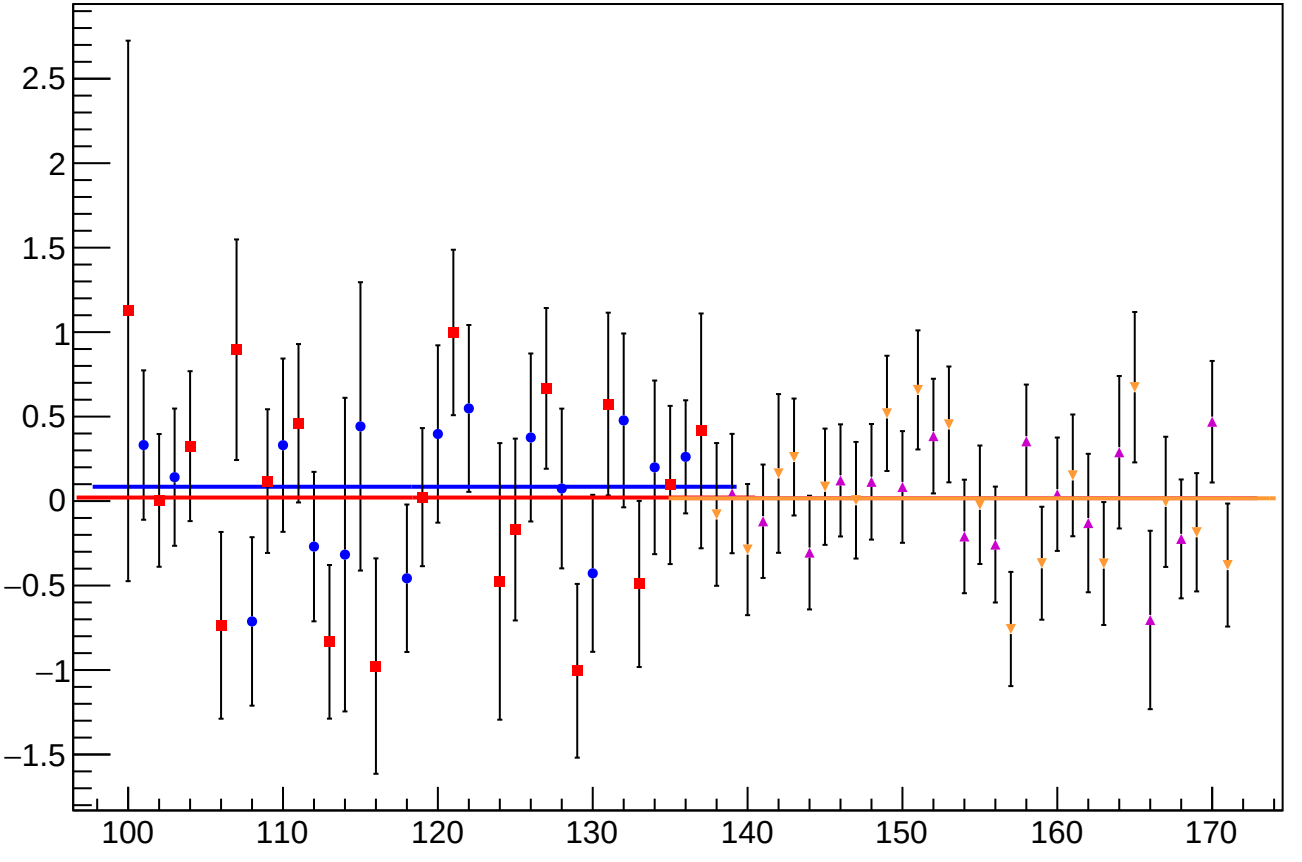
Left In: 8704.538+/-1.706 χ^2/NDF:299076.4/15

+ sign 9287.674+/-1.459 χ^2/NDF: 2155647.6/33

All: 9416.617+/-1.056 χ^2/NDF: 4287611.4/68

- sign 9558.101+/-1.529 χ^2/NDF: 2115593.7/34

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.086 χ^2/NDF:19.9/17

Right Out: 0.021+/-0.117 χ^2/NDF: 24.3/18

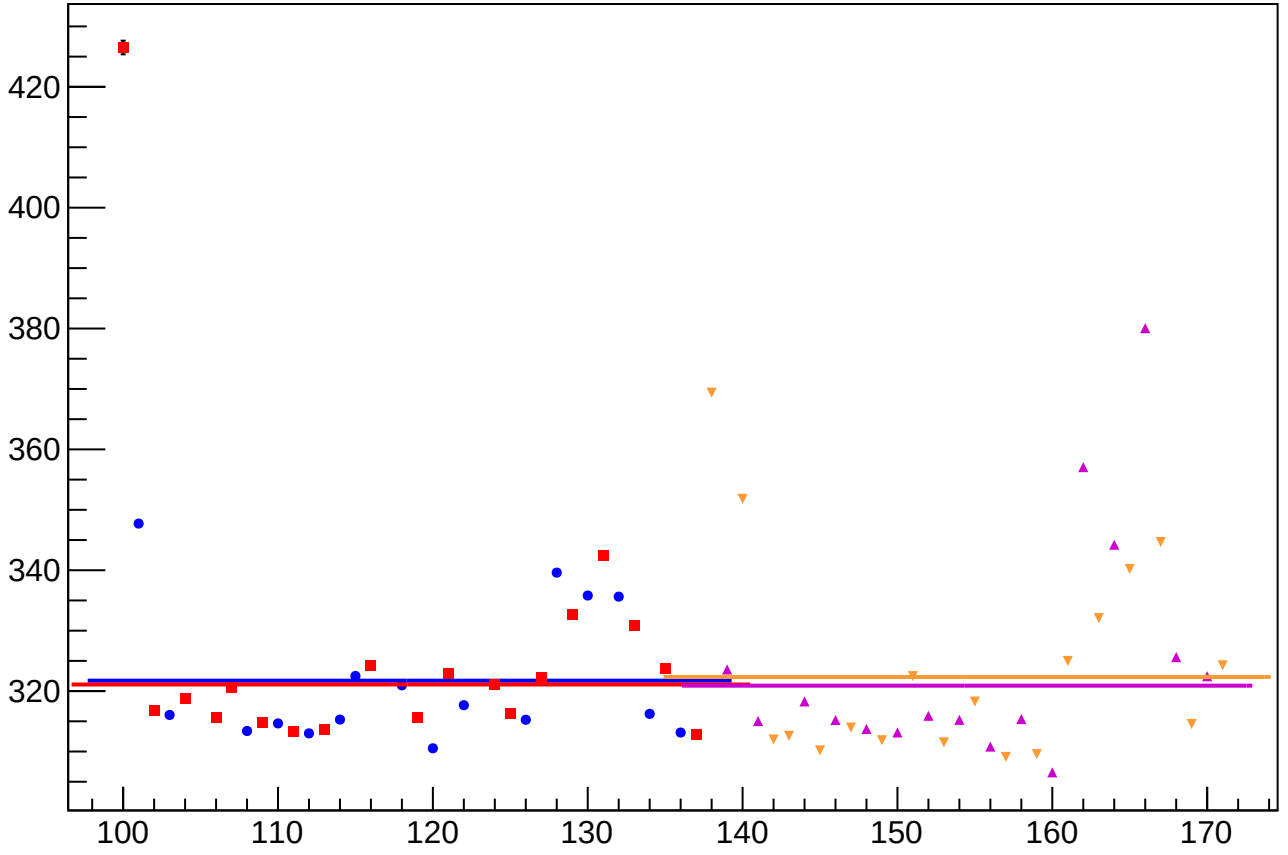
Left In: 0.017+/-0.089 χ^2/NDF:9.0/15

+ sign 0.040+/-0.070 χ^2/NDF: 29.5/33

All: 0.029+/-0.050 χ^2/NDF: 62.9/68

- sign 0.019+/-0.071 χ^2/NDF: 33.3/34

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.333+/-0.061 χ^2/NDF:65221.1/17

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

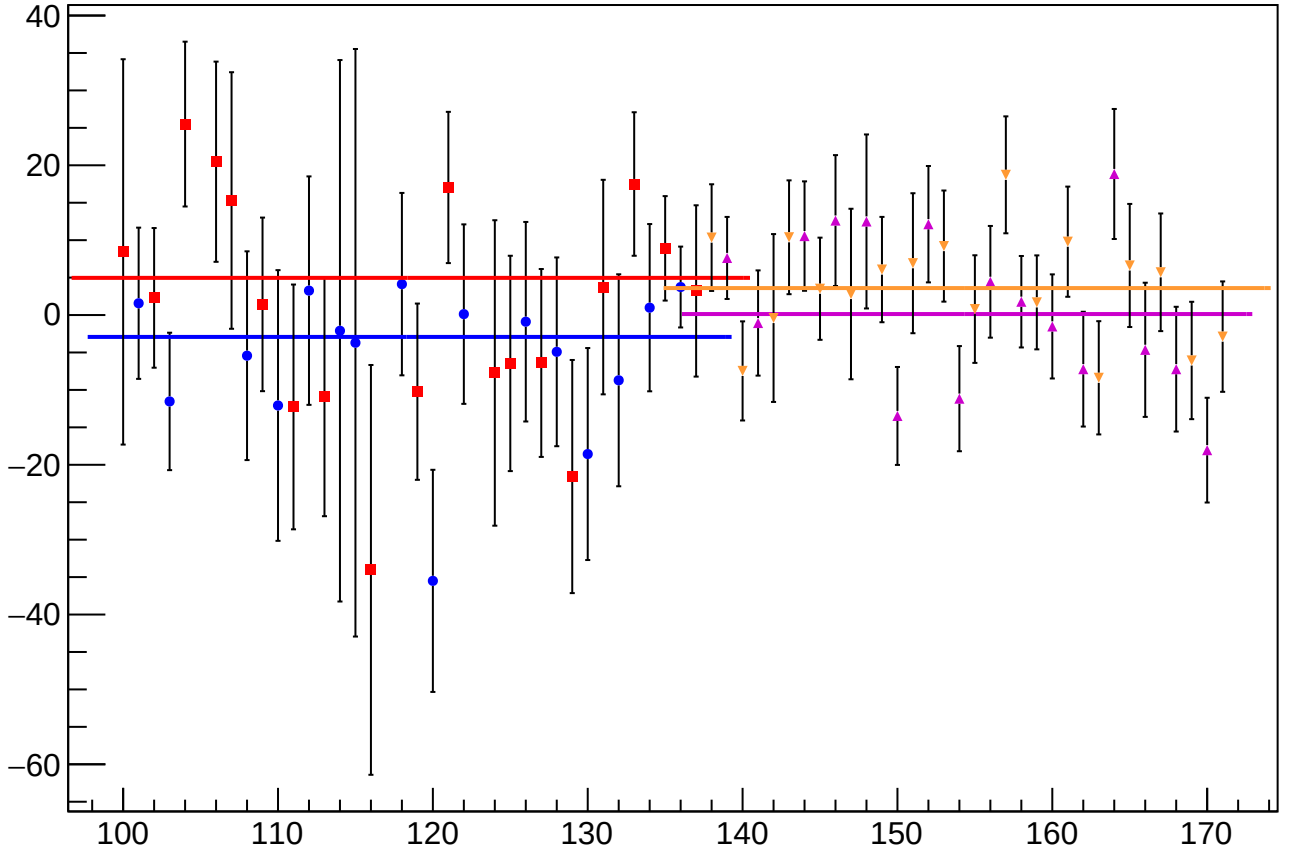
Left In: 320.899+/-0.063 χ^2/NDF:56757.1/15

+ sign 322.128+/-0.049 χ^2/NDF: 83469.4/33

All: 321.557+/-0.035 χ^2/NDF: 157080.4/68

- sign 320.969+/-0.050 χ^2/NDF: 73339.8/34

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.601+/-1.797 χ^2/NDF:15.2/17

Right Out: 4.965+/-2.824 χ^2/NDF: 19.4/18

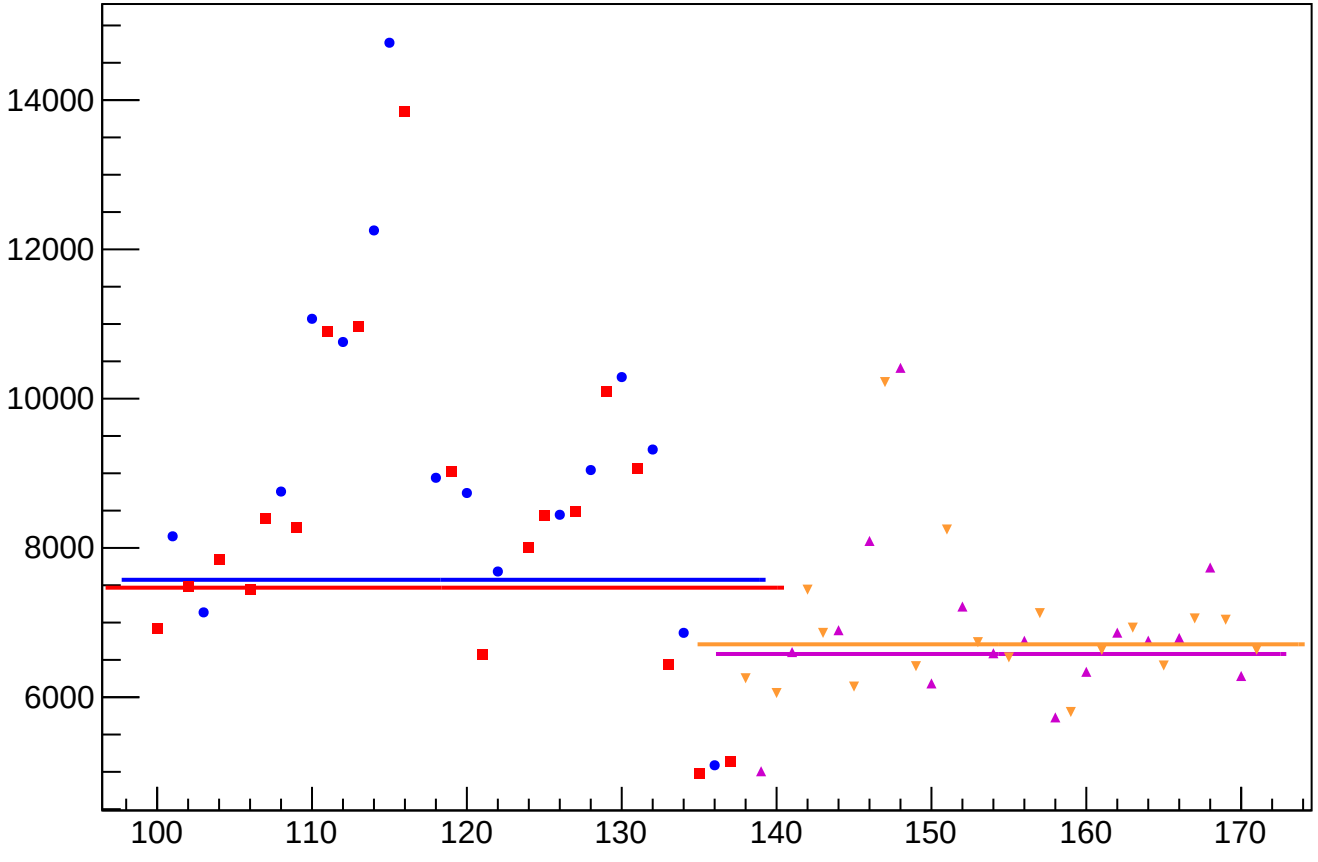
Left In: 0.133+/-1.838 χ^2/NDF:30.2/15

+ sign 1.800+/-1.529 χ^2/NDF: 28.6/33

All: 1.686+/-1.085 χ^2/NDF: 80.4/68

- sign 1.571+/-1.540 χ^2/NDF: 51.7/34

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6708.785+/-1.271 χ^2/NDF:359392.4/17

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

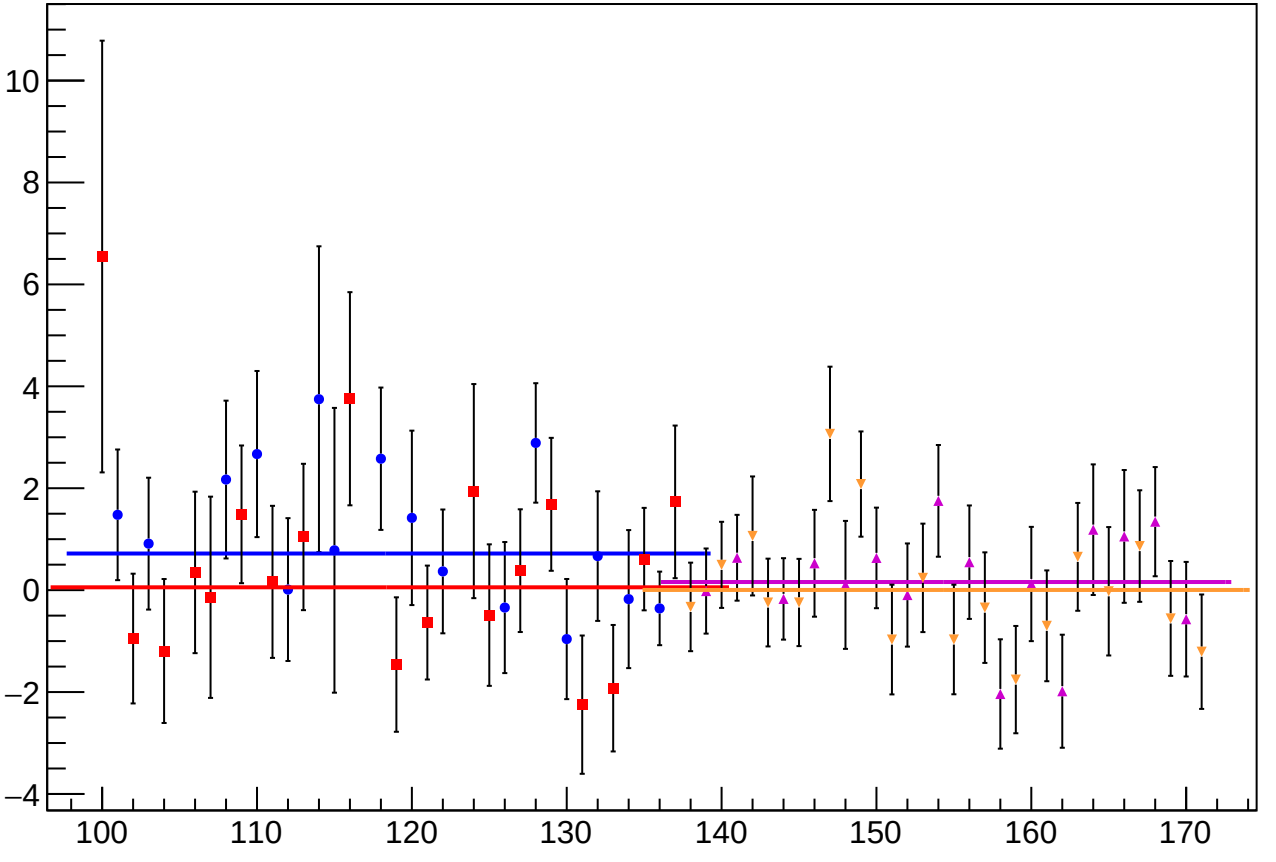
Left In: 6579.118+/-1.300 χ^2/NDF:555832.9/15

+ sign 6947.413+/-1.081 χ^2/NDF: 1384699.2/33

All: 6895.812+/-0.767 χ^2/NDF: 2912502.0/68

- sign 6843.448+/-1.089 χ^2/NDF: 1523214.3/34

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.004+/-0.244 χ^2/NDF:18.3/17

Right Out: 0.056+/-0.323 χ^2/NDF: 19.8/18

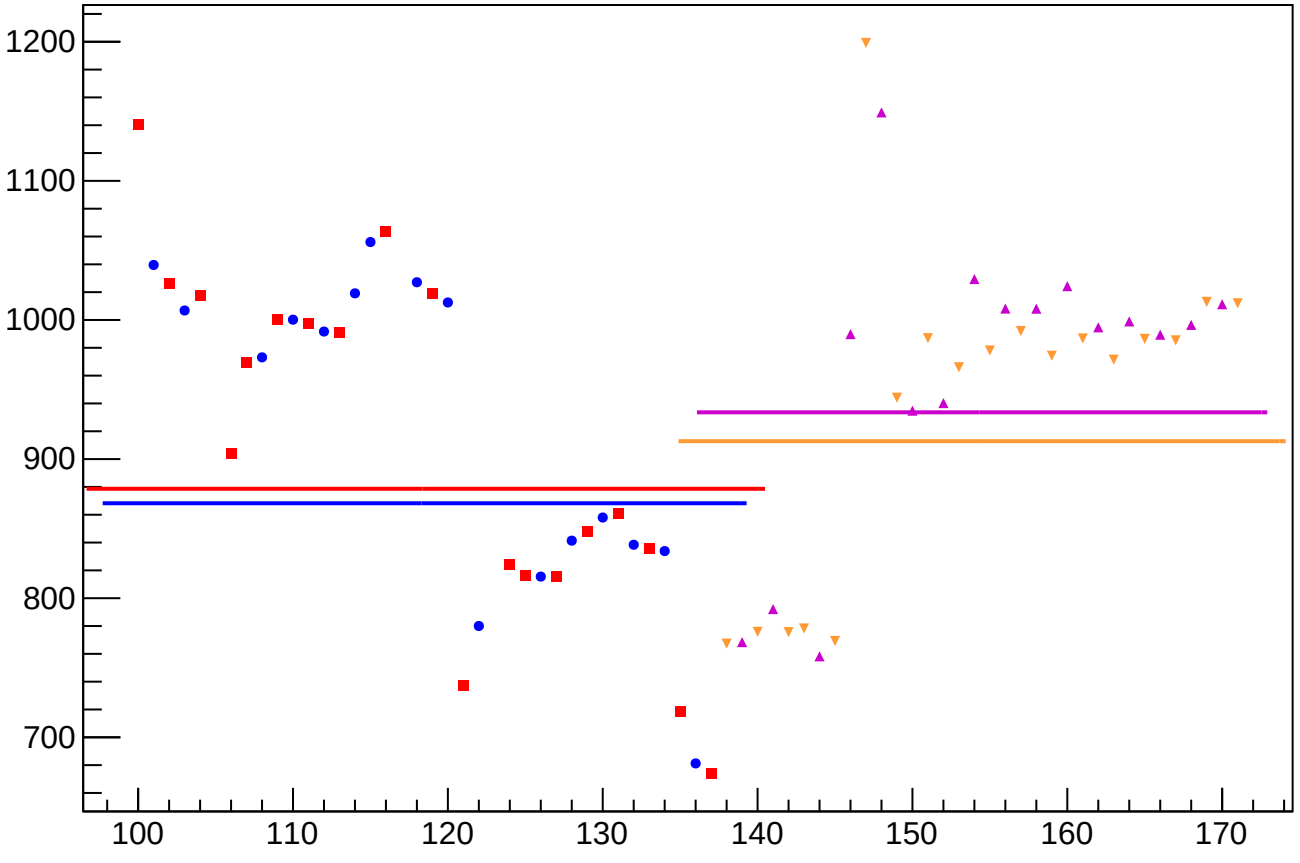
Left In: 0.159+/-0.259 χ^2/NDF:13.9/15

+ sign 0.260+/-0.195 χ^2/NDF: 36.2/33

All: 0.192+/-0.140 χ^2/NDF: 70.2/68

- sign 0.119+/-0.202 χ^2/NDF: 33.7/34

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 912.875+/-0.172 χ^2/NDF:439230.6/17

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

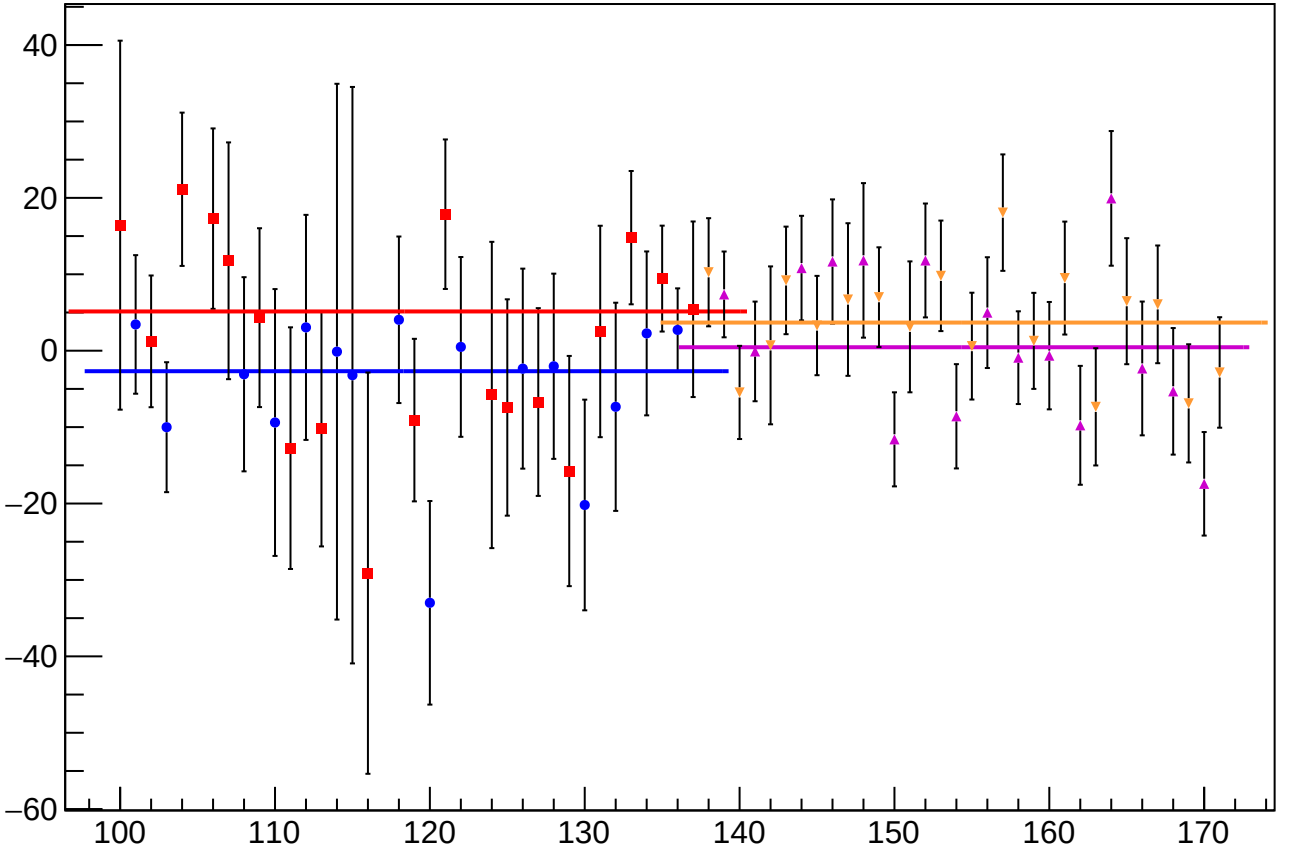
Left In: 933.620+/-0.183 χ^2/NDF:374188.4/15

+ sign 896.869+/-0.138 χ^2/NDF: 765682.2/33

All: 904.252+/-0.099 χ^2/NDF: 1453549.0/68

- sign 912.161+/-0.143 χ^2/NDF: 681940.8/34

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.681+/-1.735 χ^2/NDF:14.4/17

Right Out: 5.136+/-2.692 χ^2/NDF: 17.3/18

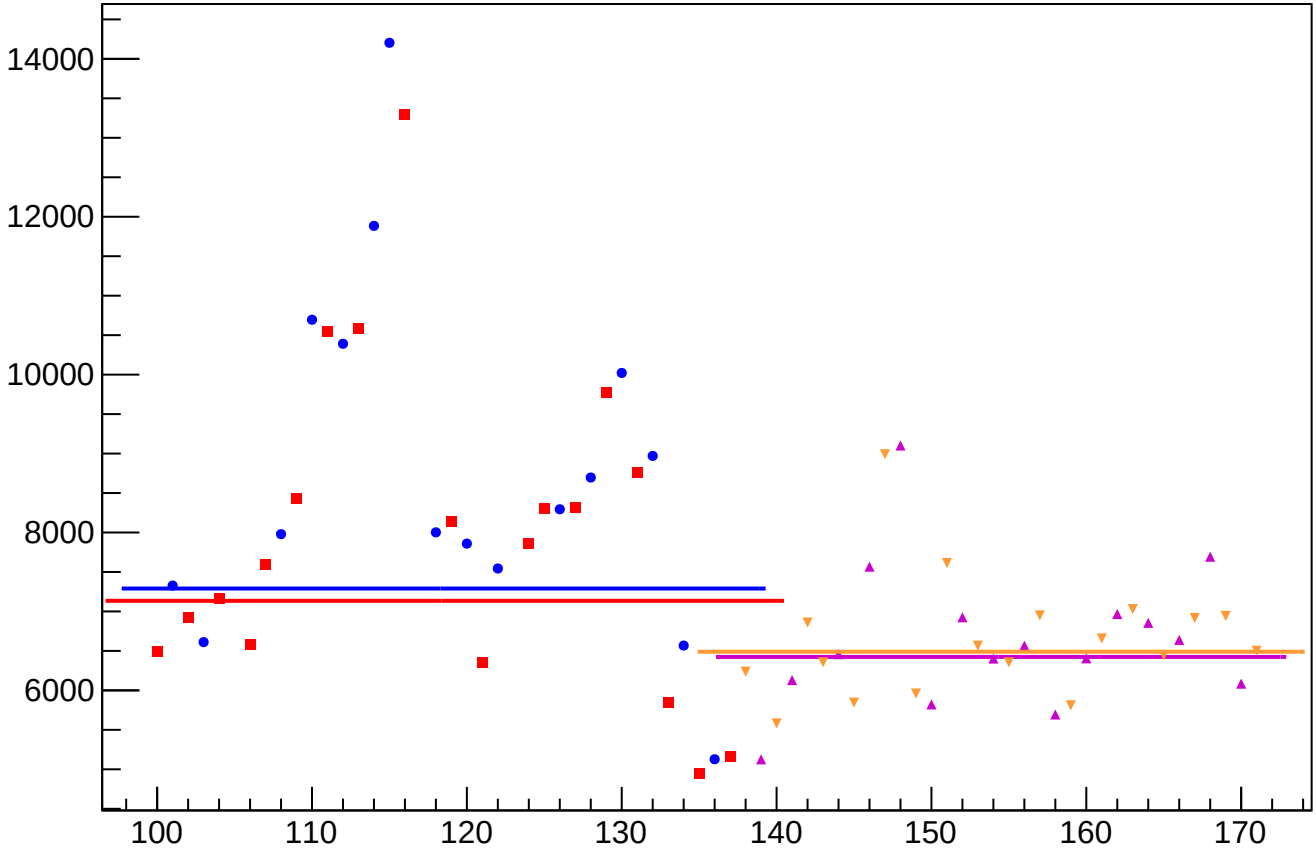
Left In: 0.453+/-1.788 χ^2/NDF:29.5/15

+ sign 1.904+/-1.473 χ^2/NDF: 28.2/33

All: 1.896+/-1.048 χ^2/NDF: 77.1/68

- sign 1.887+/-1.490 χ^2/NDF: 48.9/34

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6489.773+/-1.227 χ^2/NDF:298600.2/17

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

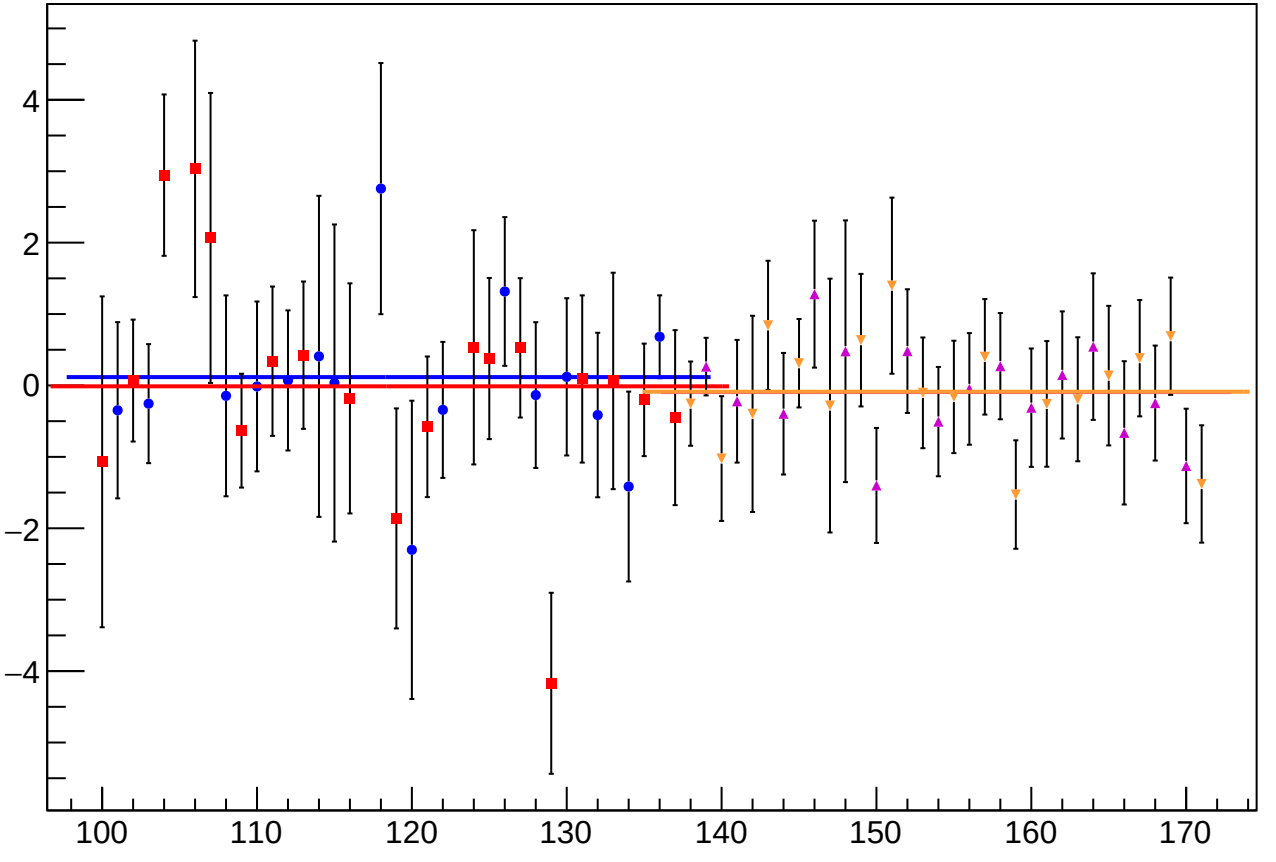
Left In: 6423.924+/-1.265 χ^2/NDF:416449.4/15

+ sign 6713.284+/-1.042 χ^2/NDF: 1187935.9/33

All: 6677.781+/-0.741 χ^2/NDF: 2496181.0/68

- sign 6641.487+/-1.053 χ^2/NDF: 1305896.4/34

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.088+/-0.199 χ^2/NDF:12.6/17

Right Out: -0.012+/-0.263 χ^2/NDF: 25.2/18

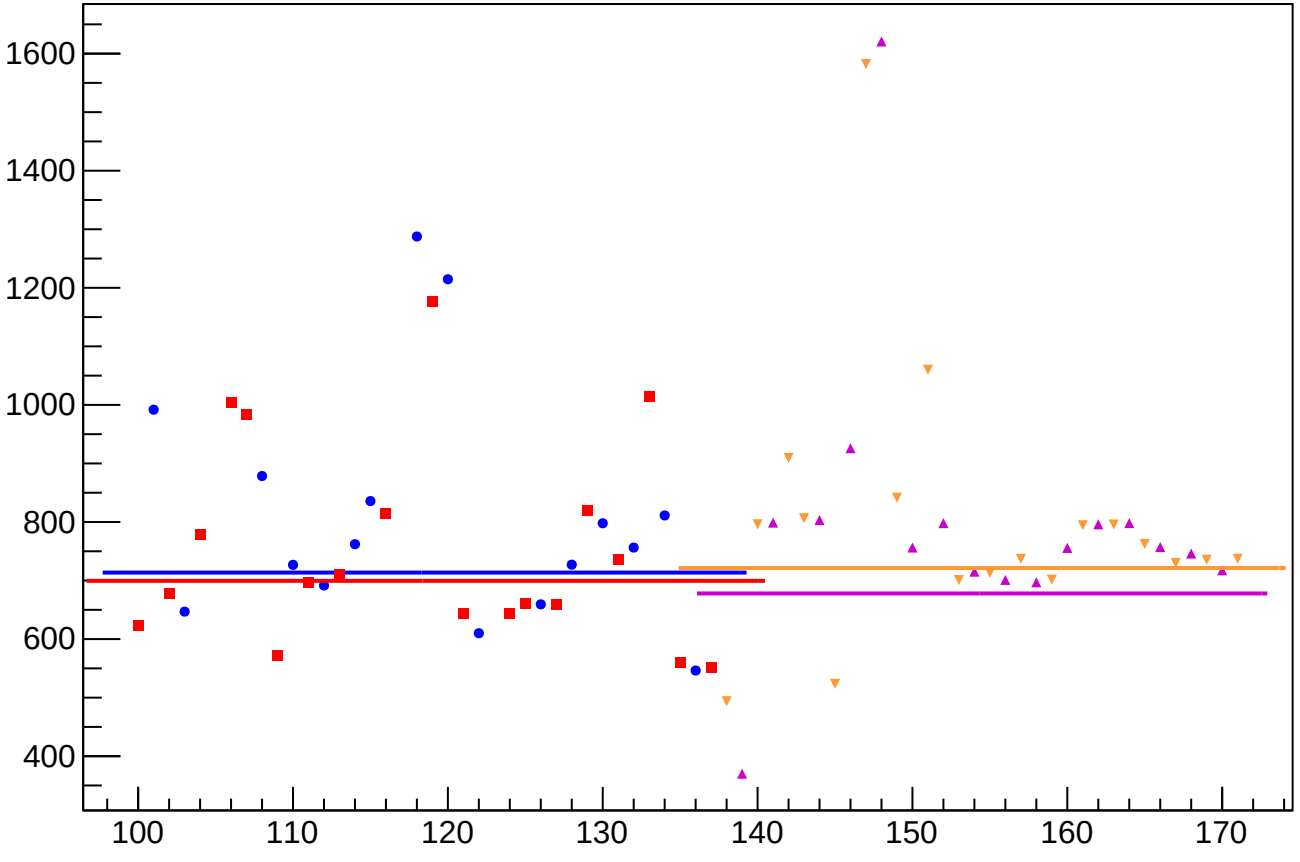
Left In: -0.092+/-0.196 χ^2/NDF:9.0/15

+ sign -0.017+/-0.161 χ^2/NDF: 21.1/33

All: -0.041+/-0.112 χ^2/NDF: 55.3/68

- sign -0.064+/-0.157 χ^2/NDF: 34.2/34

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 721.428+/-0.140 χ^2/NDF:1262525.7/17

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

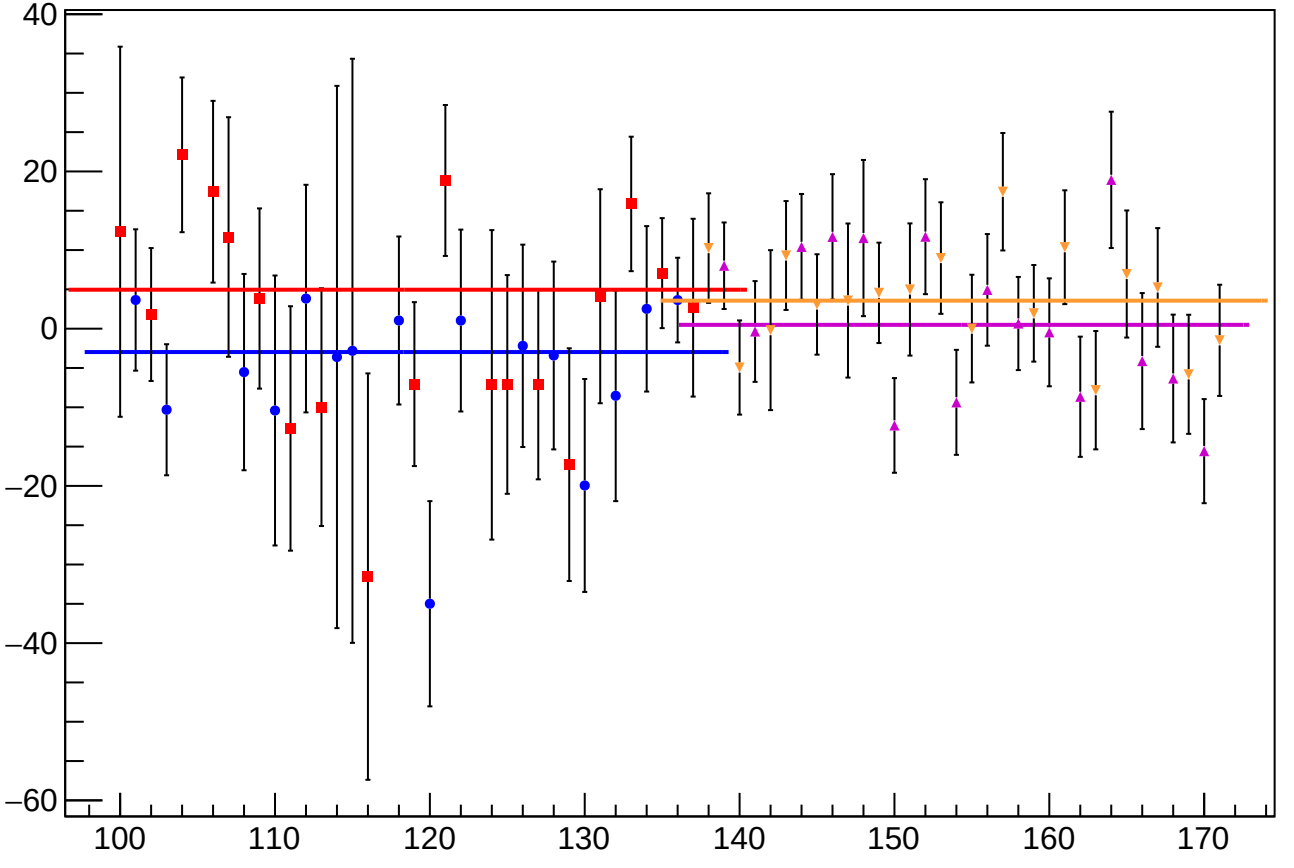
Left In: 677.950+/-0.139 χ^2/NDF:2070993.0/15

+ sign 718.731+/-0.114 χ^2/NDF: 1962896.8/33

All: 701.863+/-0.079 χ^2/NDF: 4661506.6/68

- sign 685.660+/-0.111 χ^2/NDF: 2655365.8/34

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.565+/-1.702 χ^2/NDF:13.6/17

Right Out: 4.955+/-2.653 χ^2/NDF: 18.5/18

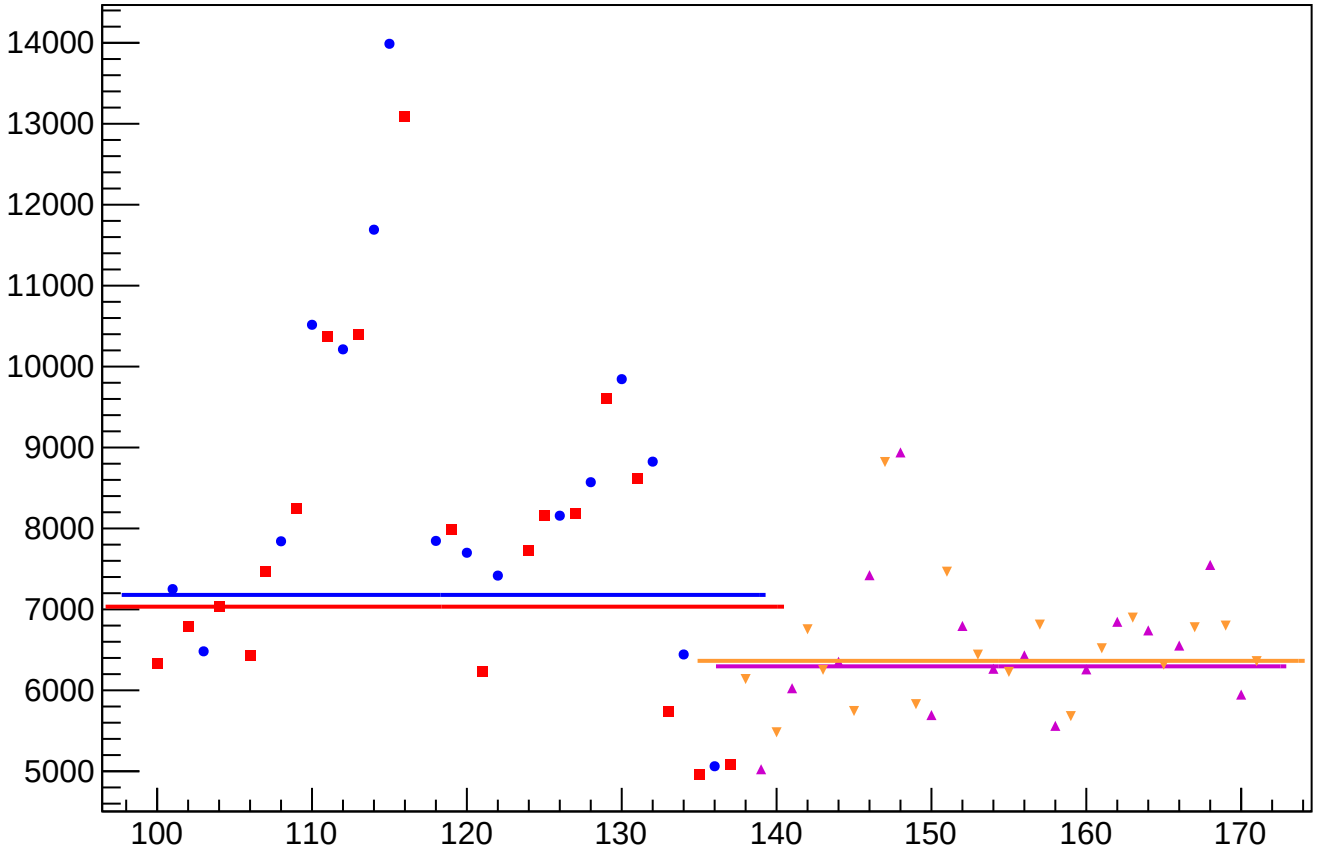
Left In: 0.488+/-1.753 χ^2/NDF:29.6/15

+ sign 1.750+/-1.447 χ^2/NDF: 29.3/33

All: 1.797+/-1.029 χ^2/NDF: 79.3/68

- sign 1.846+/-1.463 χ^2/NDF: 50.0/34

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6364.253+/-1.204 χ^2/NDF:298512.3/17

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

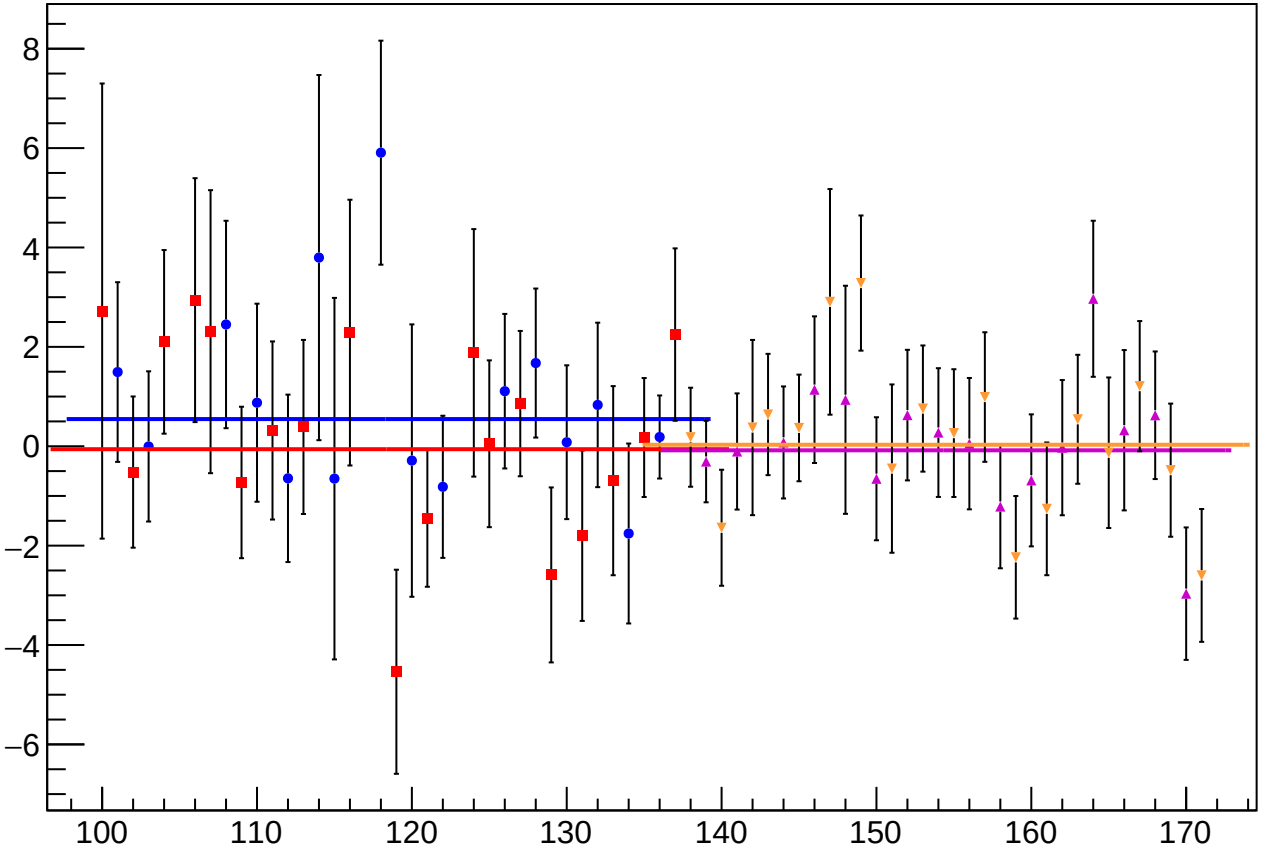
Left In: 6296.350+/-1.240 χ^2/NDF:423215.4/15

+ sign 6590.363+/-1.023 χ^2/NDF: 1187619.5/33

All: 6555.799+/-0.727 χ^2/NDF: 2486995.2/68

- sign 6520.458+/-1.034 χ^2/NDF: 1297066.8/34

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.309 χ^2/NDF:20.1/17

Right Out: -0.059+/-0.409 χ^2/NDF: 16.9/18

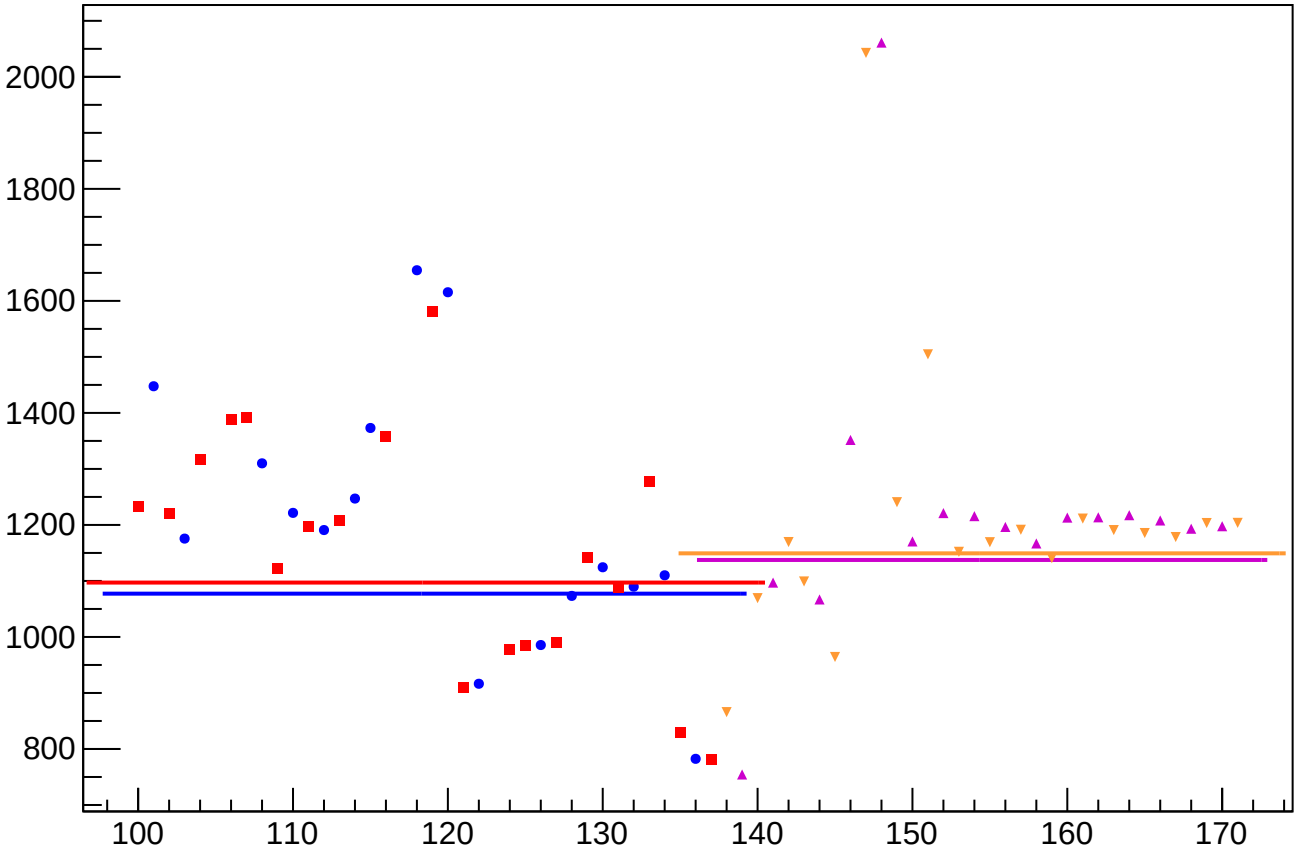
Left In: -0.082+/-0.320 χ^2/NDF:11.4/15

+ sign 0.217+/-0.247 χ^2/NDF: 33.0/33

All: 0.075+/-0.176 χ^2/NDF: 62.0/68

- sign -0.073+/-0.252 χ^2/NDF: 28.3/34

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1149.278+/-0.219 χ^2/NDF:658988.1/17

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

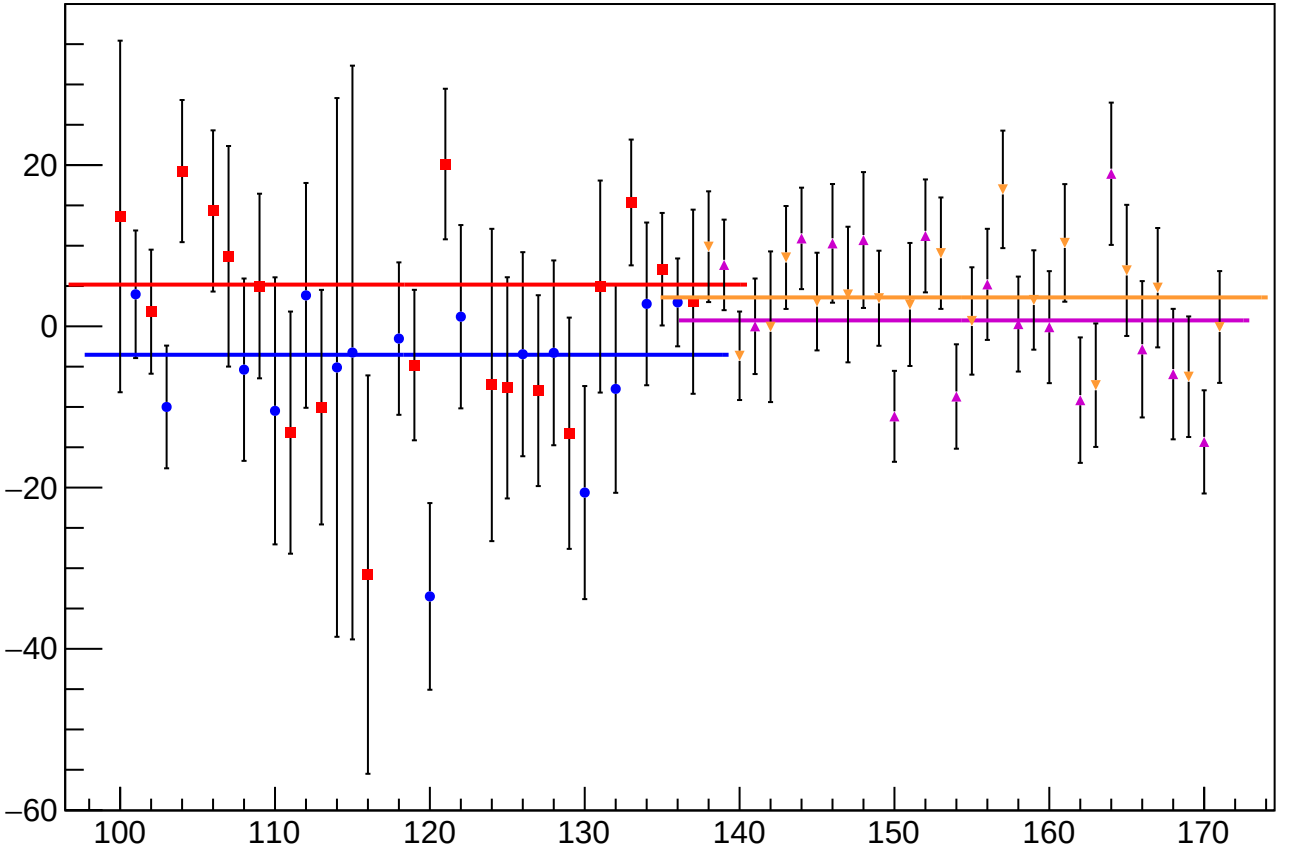
Left In: 1137.461+/-0.226 χ^2/NDF:864153.3/15

+ sign 1123.235+/-0.175 χ^2/NDF: 1344671.9/33

All: 1122.695+/-0.125 χ^2/NDF: 2705298.6/68

- sign 1122.134+/-0.178 χ^2/NDF: 1360607.2/34

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.589+/-1.635 χ^2/NDF:12.6/17

Right Out: 5.176+/-2.508 χ^2/NDF: 18.2/18

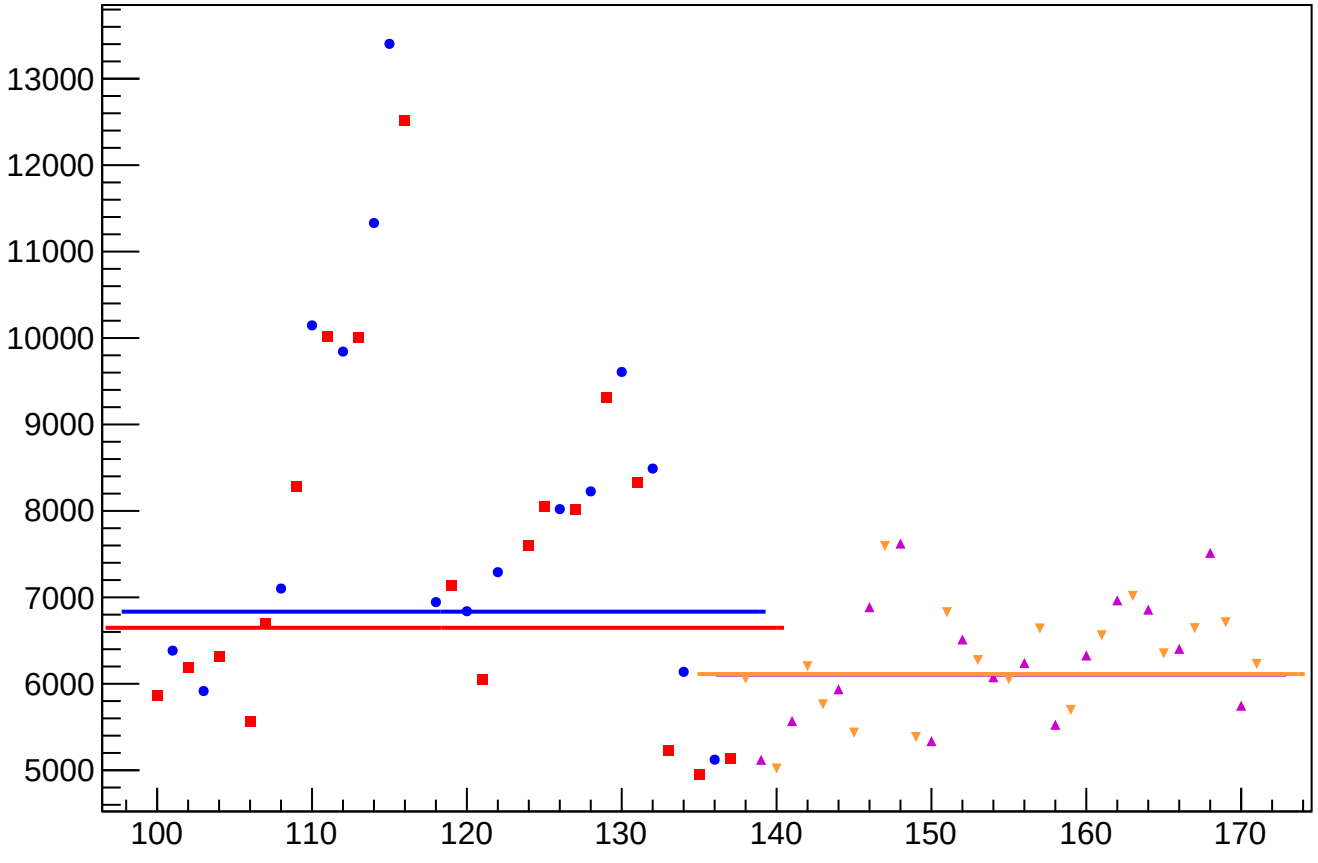
Left In: 0.736+/-1.697 χ^2/NDF:28.7/15

+ sign 1.582+/-1.385 χ^2/NDF: 30.6/33

All: 1.852+/-0.986 χ^2/NDF: 79.8/68

- sign 2.130+/-1.405 χ^2/NDF: 49.1/34

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6112.992+/-1.156 χ^2/NDF:302529.4/17

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

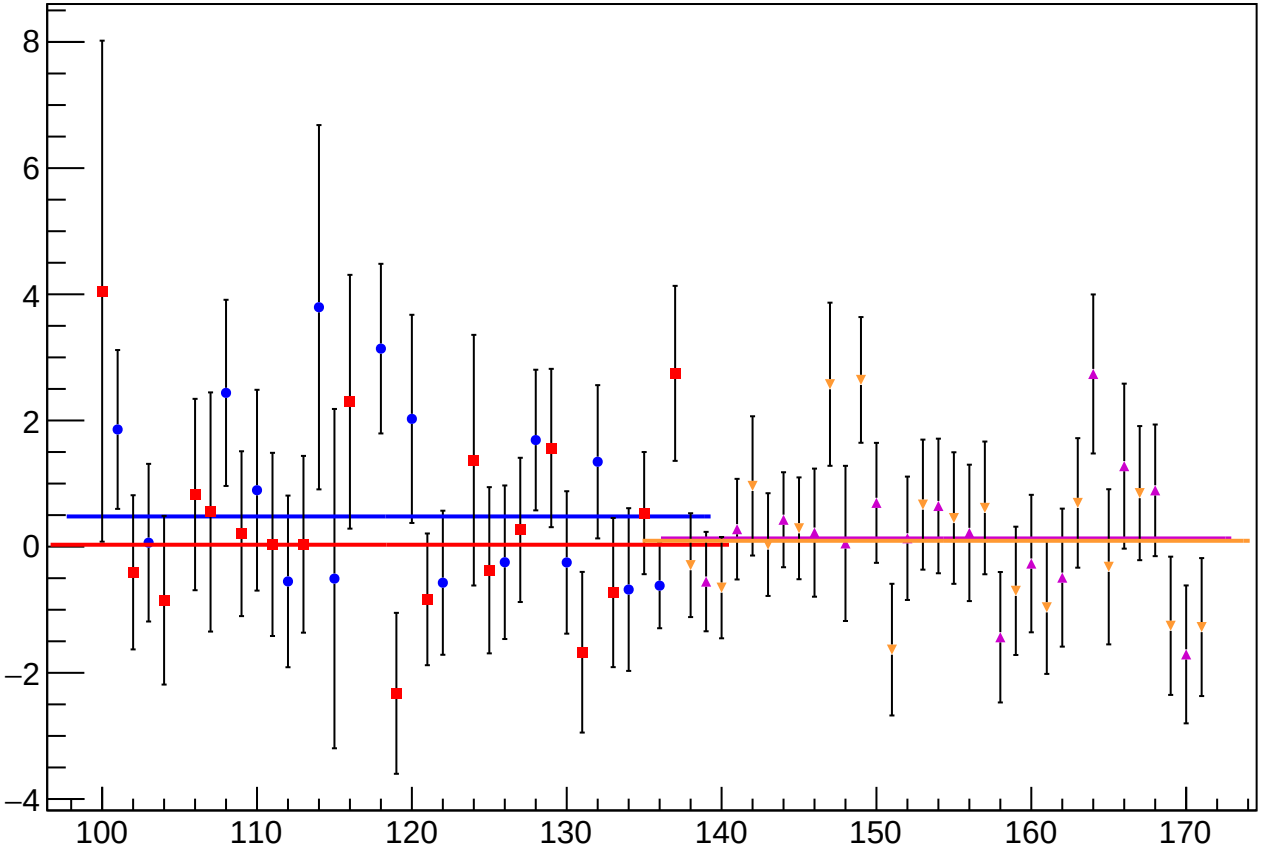
Left In: 6105.934+/-1.200 χ^2/NDF:341238.3/15

+ sign 6316.418+/-0.979 χ^2/NDF: 1105097.5/33

All: 6296.581+/-0.698 χ^2/NDF: 2296362.0/68

- sign 6276.156+/-0.994 χ^2/NDF: 1190431.8/34

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.093+/-0.234 χ^2/NDF:21.0/17

Right Out: 0.030+/-0.309 χ^2/NDF: 15.7/18

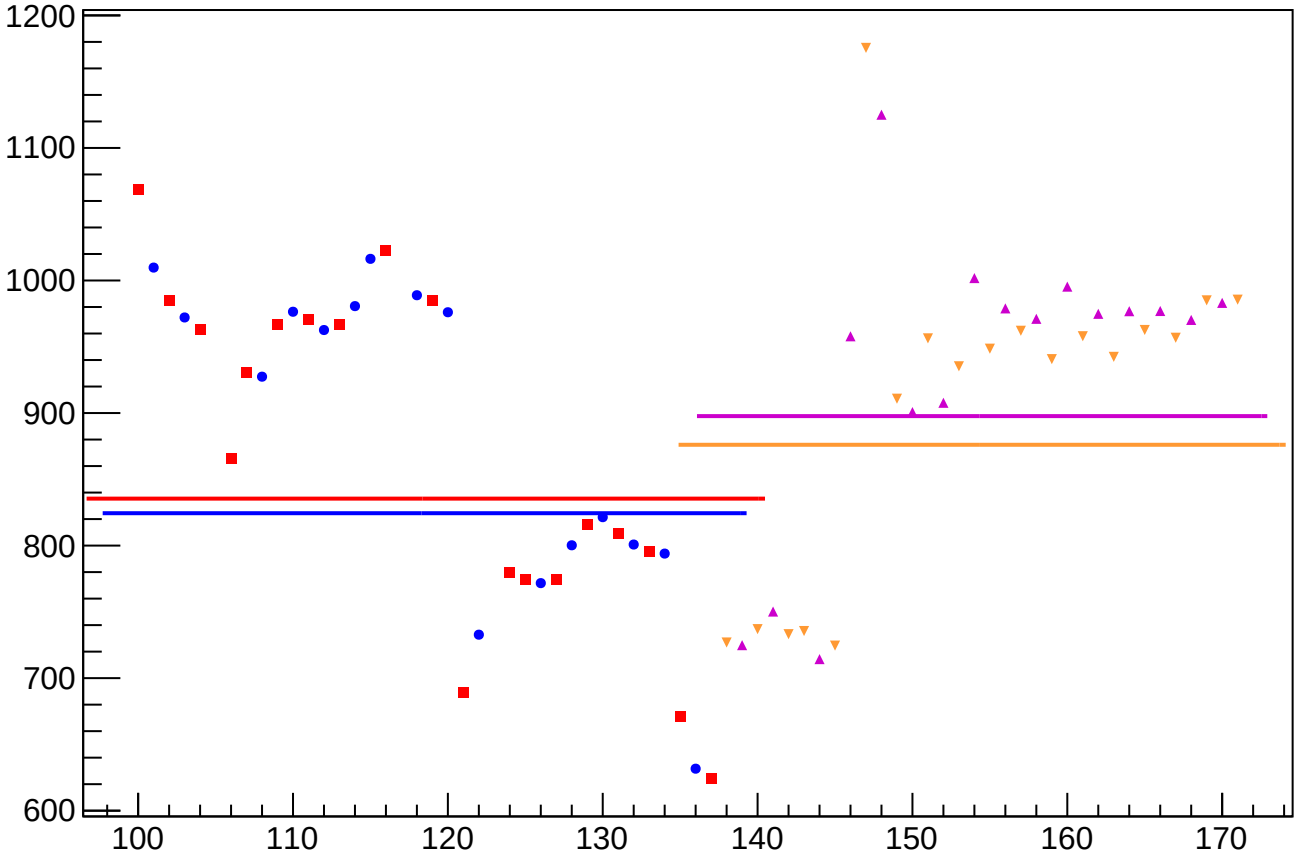
Left In: 0.130+/-0.250 χ^2/NDF:12.7/15

+ sign 0.233+/-0.187 χ^2/NDF: 38.8/33

All: 0.164+/-0.135 χ^2/NDF: 67.5/68

- sign 0.091+/-0.194 χ^2/NDF: 28.5/34

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 876.057+/-0.166 χ^2/NDF:530273.9/17

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

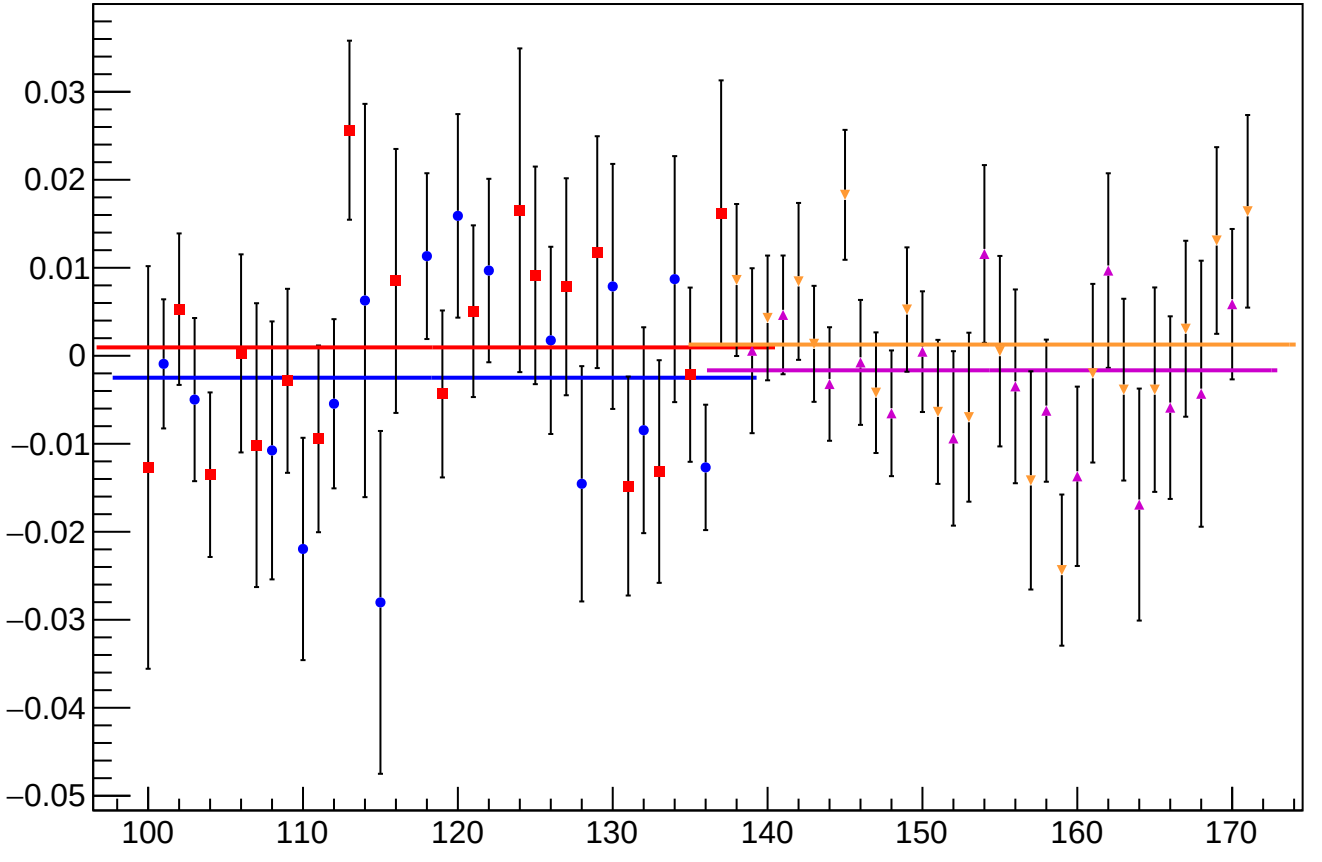
Left In: 897.685+/-0.177 χ^2/NDF:462469.5/15

\+ sign 857.345+/-0.132 χ^2/NDF: 930919.0/33

All: 864.916+/-0.095 χ^2/NDF: 1768691.0/68

\- sign 873.061+/-0.137 χ^2/NDF: 830974.6/34

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:23.6/17

Right Out: 0.001+/-0.003 χ^2/NDF: 17.3/18

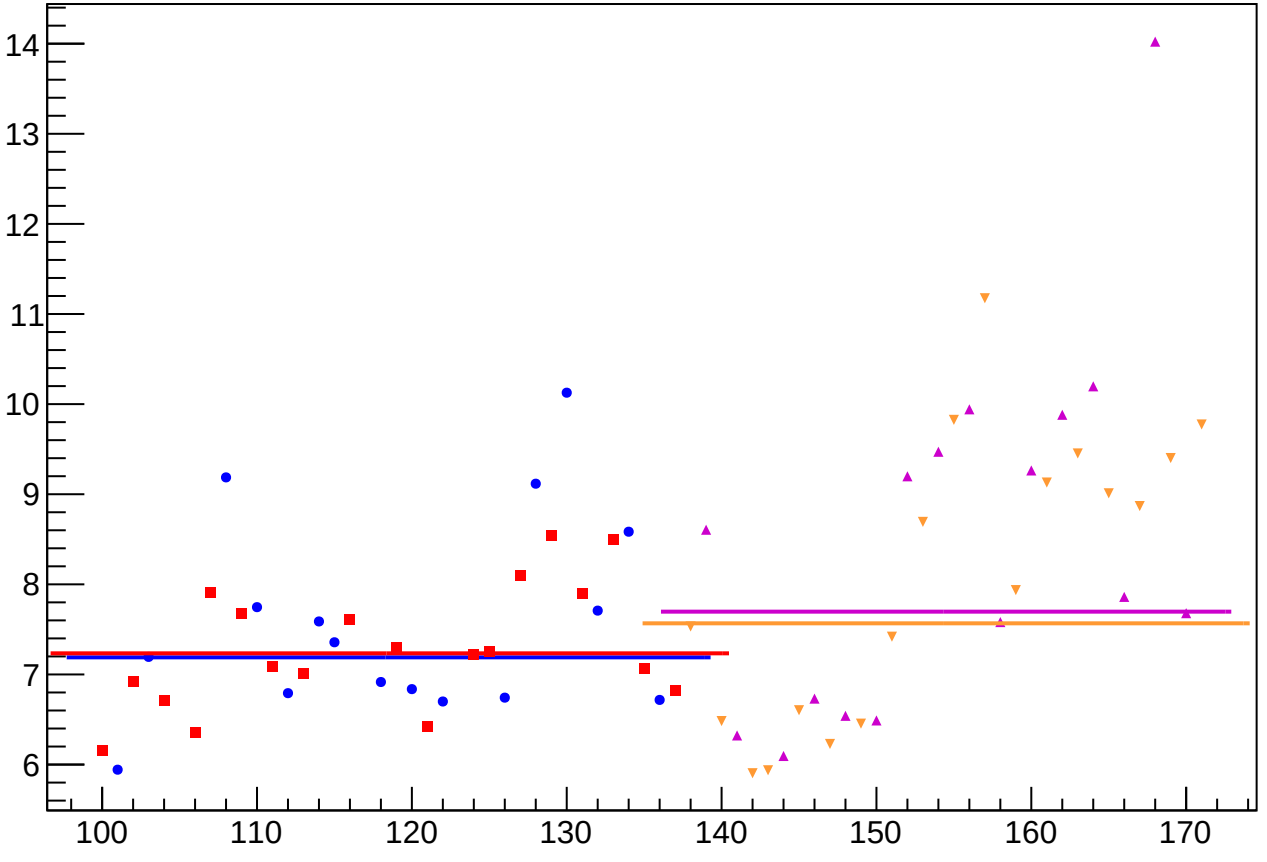
Left In: -0.002+/-0.002 χ^2/NDF:9.0/15

+ sign -0.000+/-0.002 χ^2/NDF: 40.1/33

All: -0.000+/-0.001 χ^2/NDF: 67.1/68

- sign -0.001+/-0.002 χ^2/NDF: 26.9/34

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.567+/-0.001 χ^2/NDF:1007064.2/17

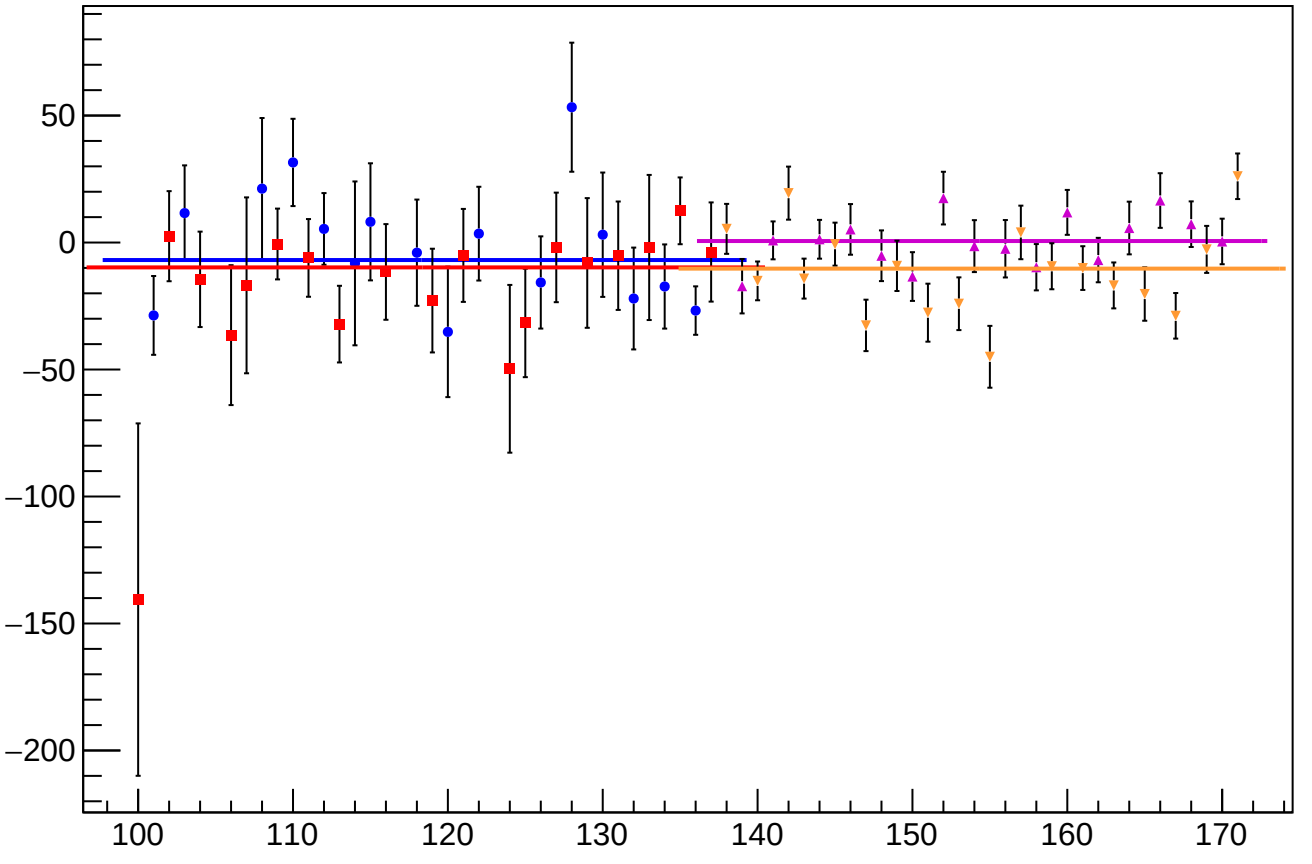
Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.697+/-0.002 χ^2/NDF:1115591.5/15

+ sign 7.429+/-0.001 χ^2/NDF: 1309364.8/33

All: 7.470+/-0.001 χ^2/NDF: 2570038.9/68

- sign 7.512+/-0.001 χ^2/NDF: 1258189.8/34



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -10.270+/-2.220 χ^2/NDF:54.3/17

Right Out: -9.790+/-4.517 χ^2/NDF: 14.0/18

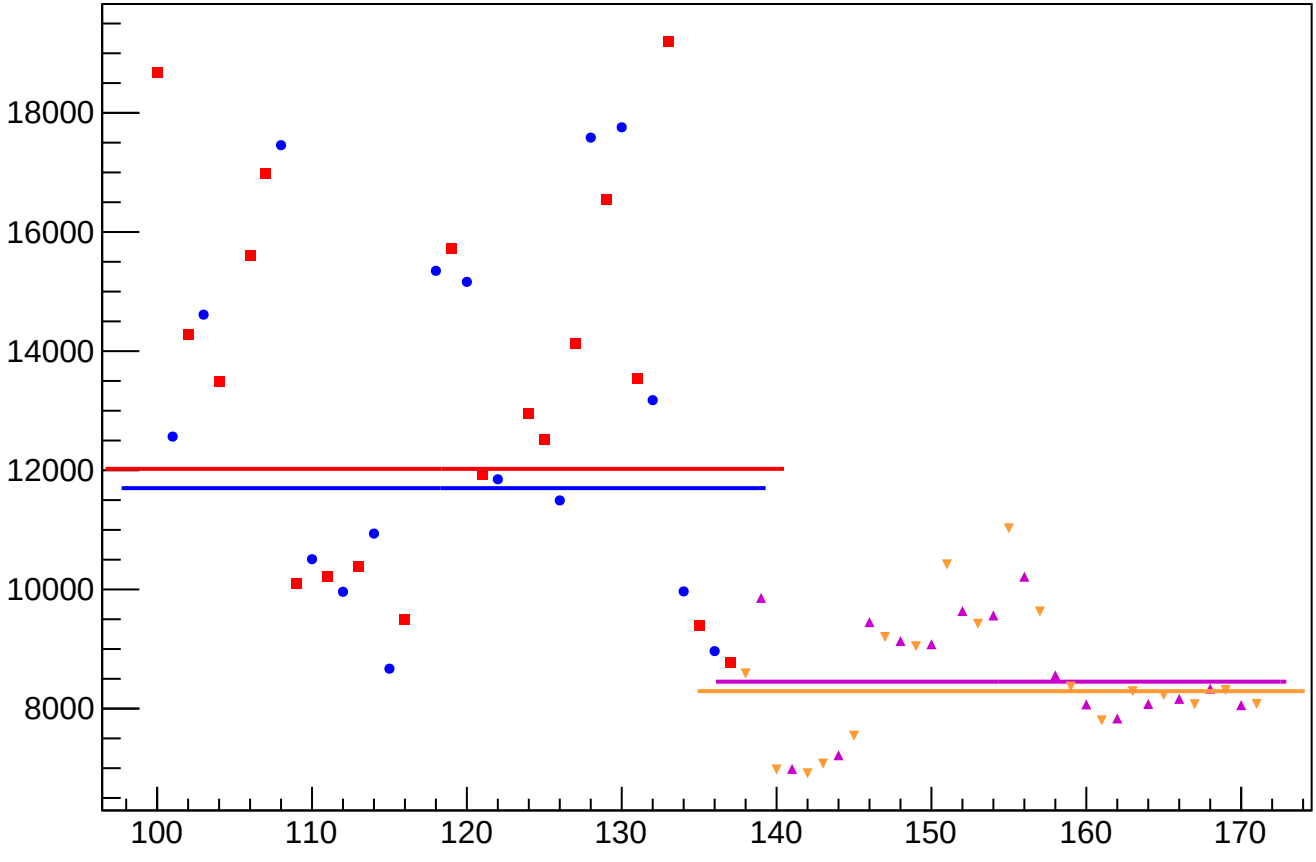
Left In: 0.592+/-2.343 χ^2/NDF:14.8/15

+ sign -9.606+/-1.990 χ^2/NDF: 77.8/33

All: -5.785+/-1.438 χ^2/NDF: 118.5/68

- sign -1.609+/-2.080 χ^2/NDF: 33.0/34

diff_targ_positionX_rms vs Slug



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8292.865+/-1.570 χ^2/NDF:422349.5/17

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

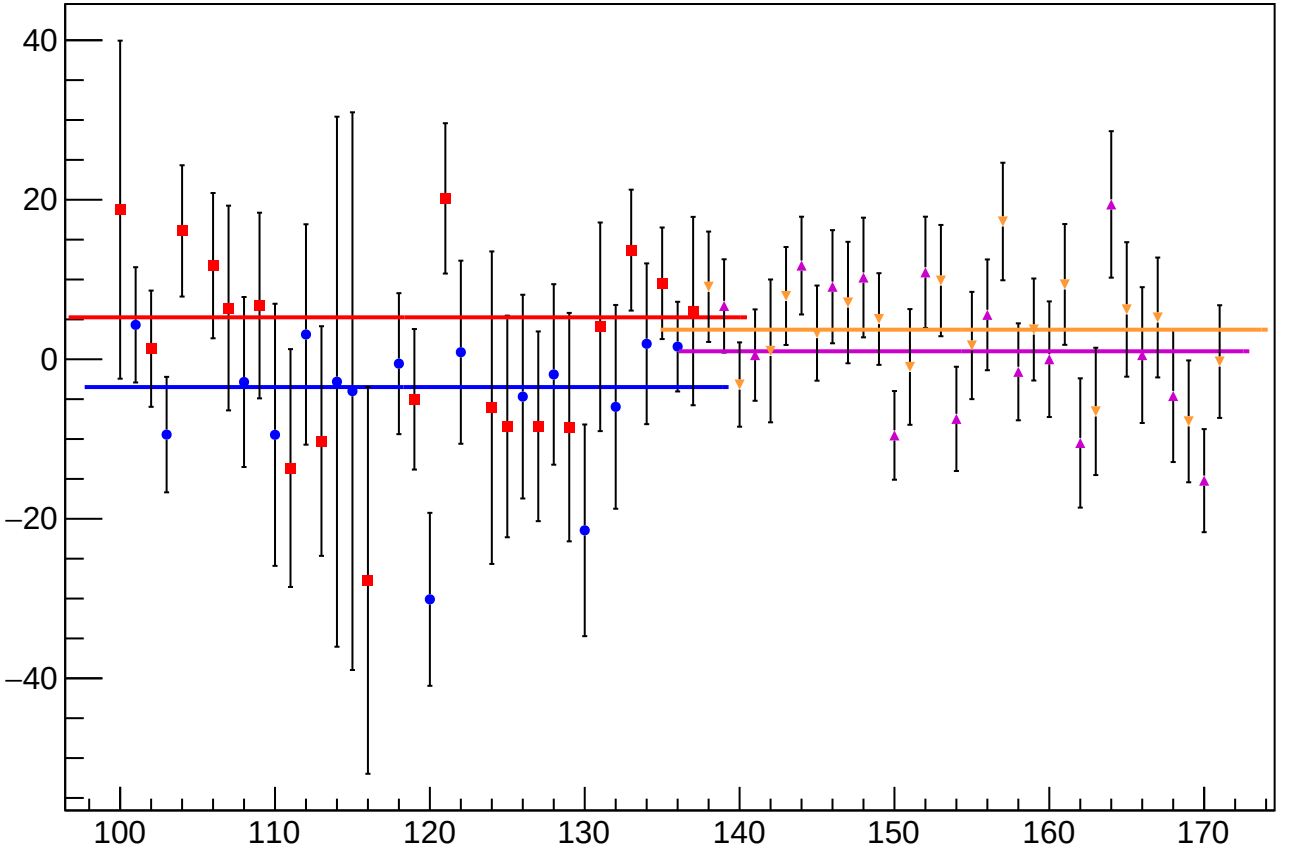
Left In: 8452.246+/-1.657 χ^2/NDF:322262.5/15

+ sign 8962.657+/-1.407 χ^2/NDF: 2088840.6/33

All: 9080.684+/-1.017 χ^2/NDF: 4095965.7/68

- sign 9209.666+/-1.471 χ^2/NDF: 1992399.1/34

diff_targ_positionY_mean vs Slug



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.711+/-1.627 χ^2/NDF:12.7/17

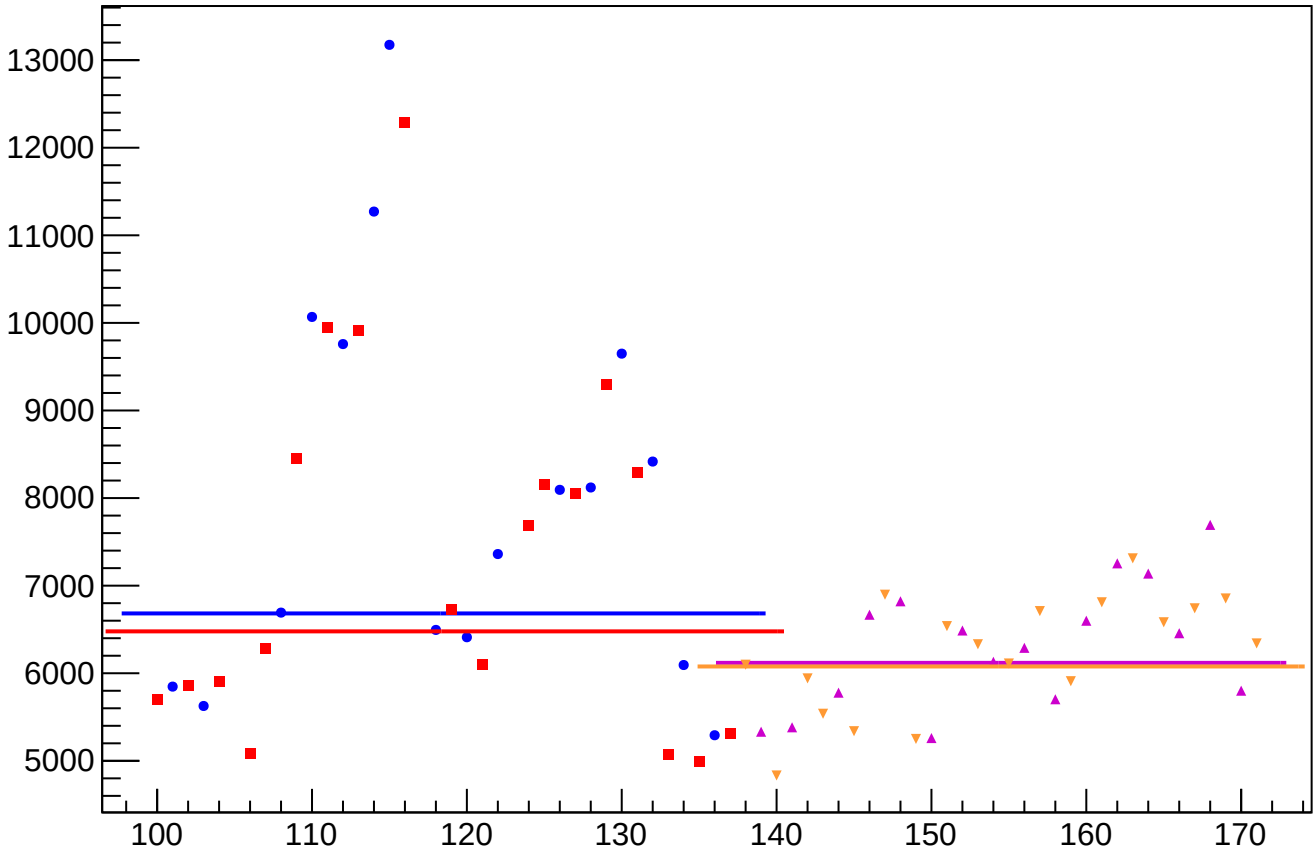
Right Out: 5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: 1.001+/-1.699 χ^2/NDF:27.6/15

+ sign 1.629+/-1.371 χ^2/NDF: 29.9/33

All: 2.001+/-0.978 χ^2/NDF: 76.2/68

- sign 2.387+/-1.395 χ^2/NDF: 46.2/34



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6077.375+/-1.150 χ^2/NDF:361752.9/17

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

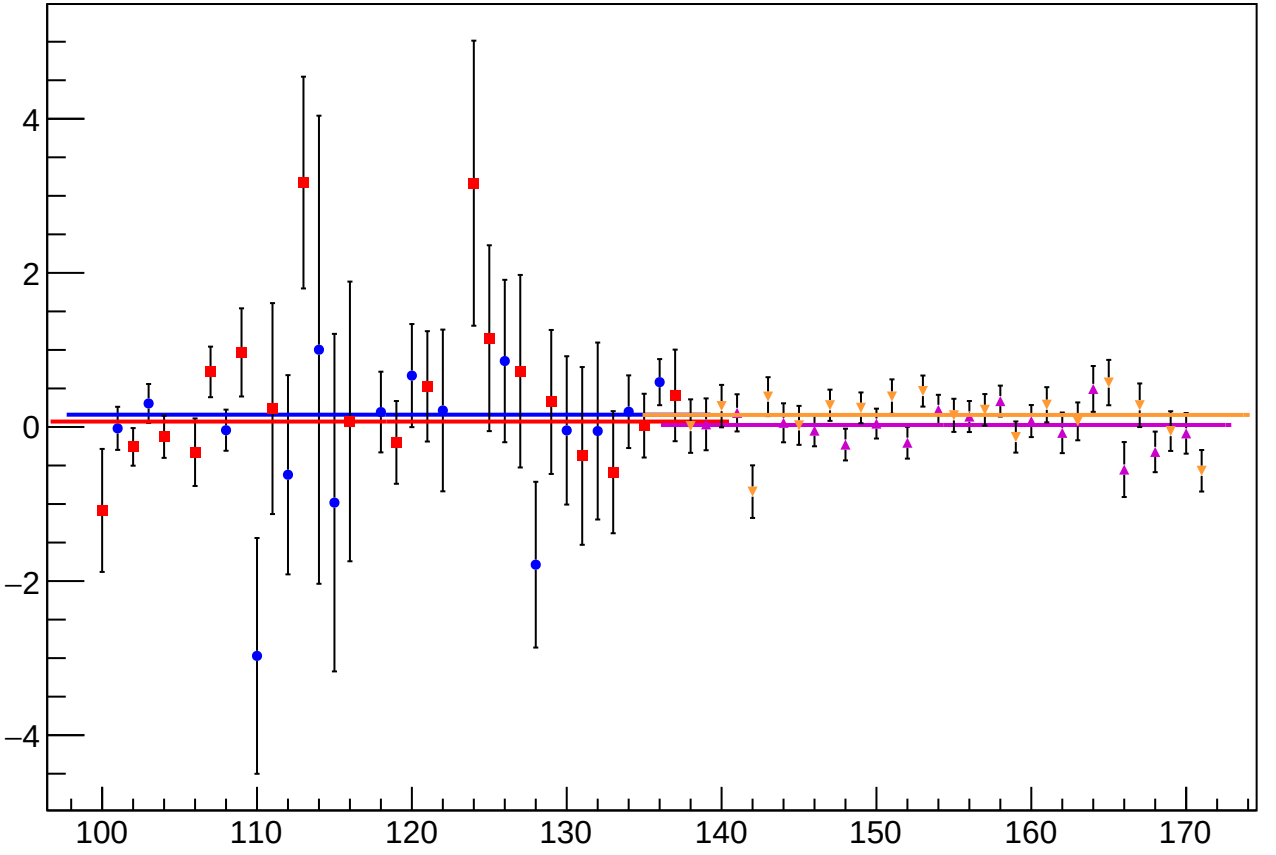
Left In: 6118.567+/-1.201 χ^2/NDF:321750.7/15

+ sign 6252.566+/-0.970 χ^2/NDF: 1134151.0/33

All: 6244.205+/-0.692 χ^2/NDF: 2324428.8/68

- sign 6235.547+/-0.987 χ^2/NDF: 1190126.4/34

diff_targ_thetaX_mean vs Slug



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.156+/-0.056 χ^2/NDF:26.8/17

Right Out: 0.070+/-0.120 χ^2/NDF: 22.5/18

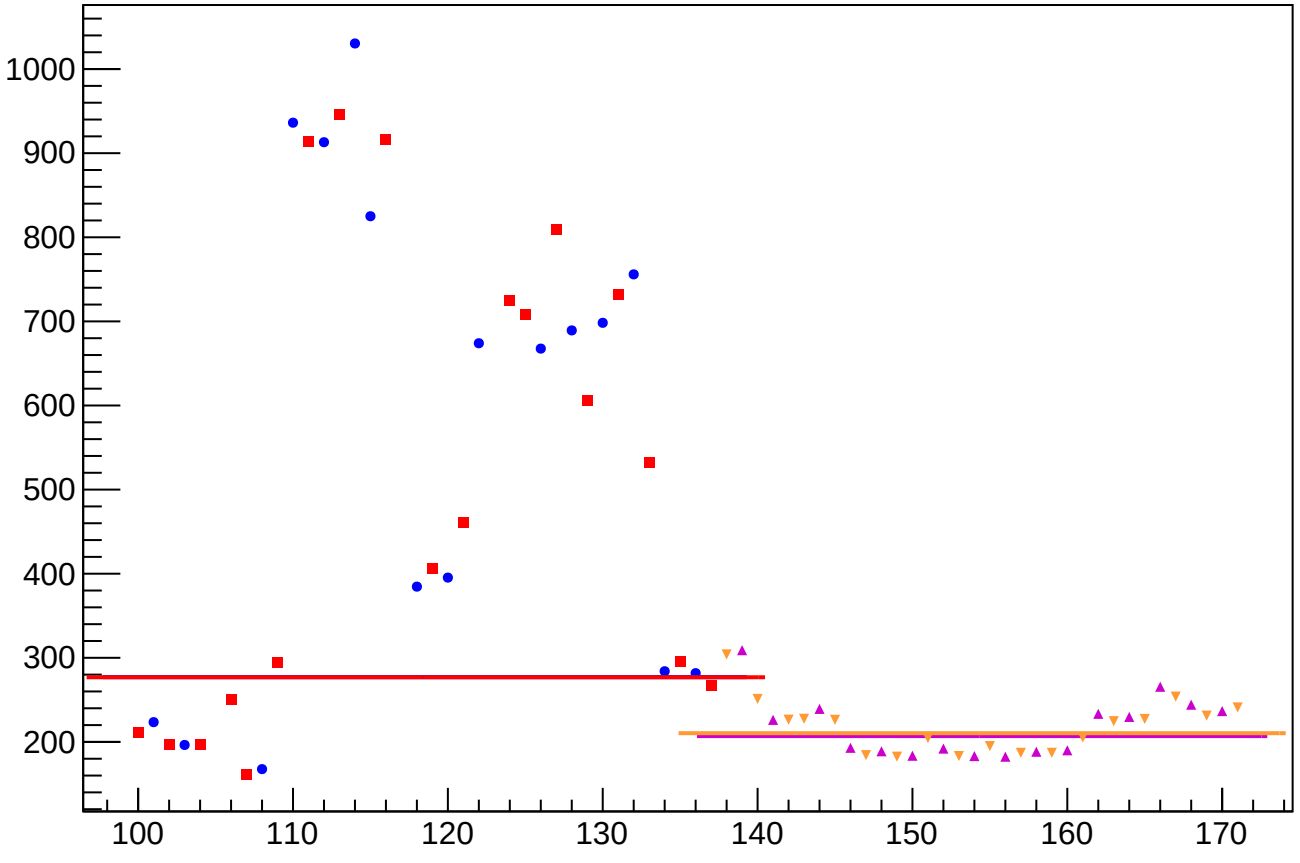
Left In: 0.026+/-0.058 χ^2/NDF:14.3/15

+ sign 0.157+/-0.051 χ^2/NDF: 39.4/33

All: 0.097+/-0.036 χ^2/NDF: 79.1/68

- sign 0.034+/-0.052 χ^2/NDF: 36.8/34

diff_targ_thetaX_rms vs Slug



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 210.367+/-0.040 χ^2/NDF:484419.2/17

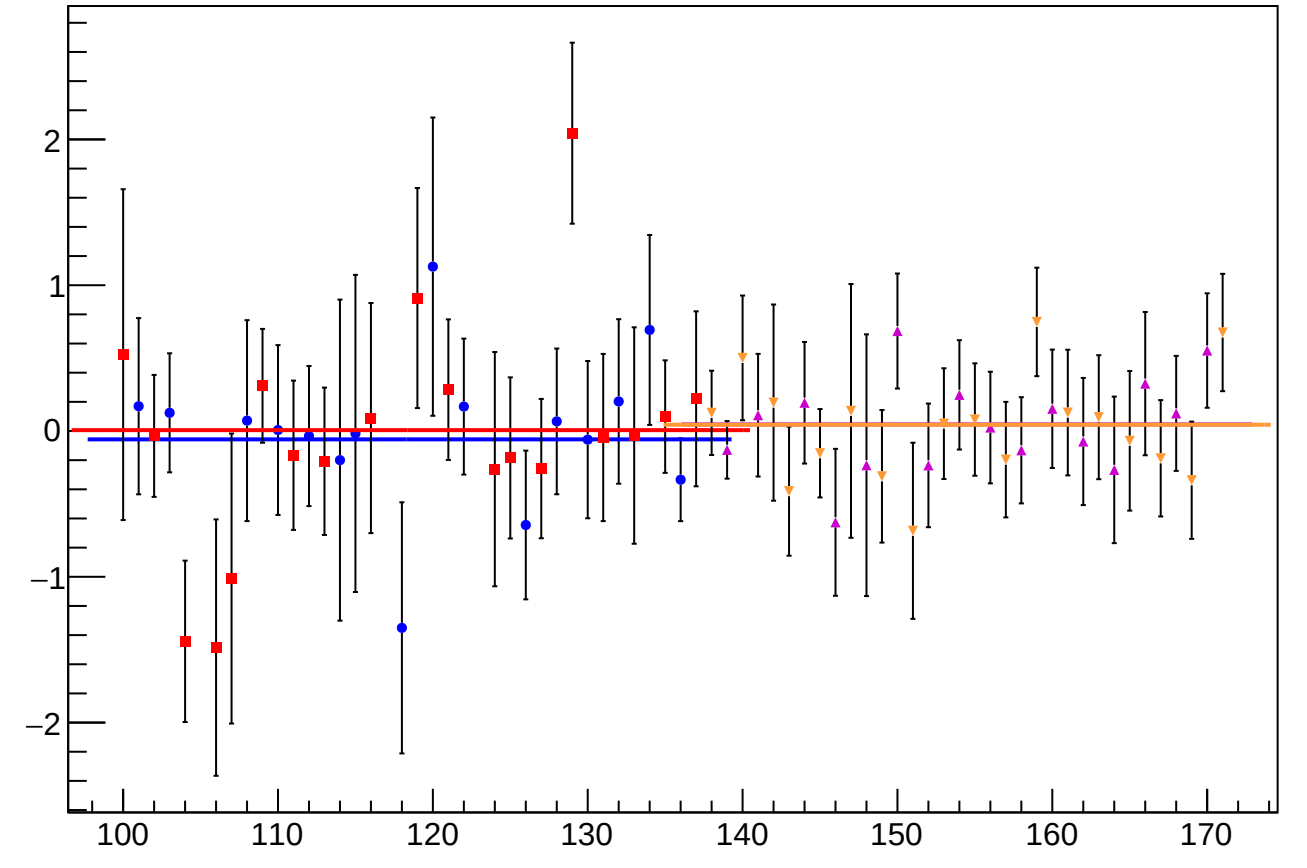
Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 206.919+/-0.041 χ^2/NDF:535148.0/15

+ sign 222.502+/-0.036 χ^2/NDF: 4443135.6/33

All: 221.325+/-0.026 χ^2/NDF: 9106282.8/68

- sign 220.104+/-0.037 χ^2/NDF: 4660978.1/34



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.043+/-0.097 χ^2/NDF:12.6/17

Right Out: 0.006+/-0.129 χ^2/NDF: 25.2/18

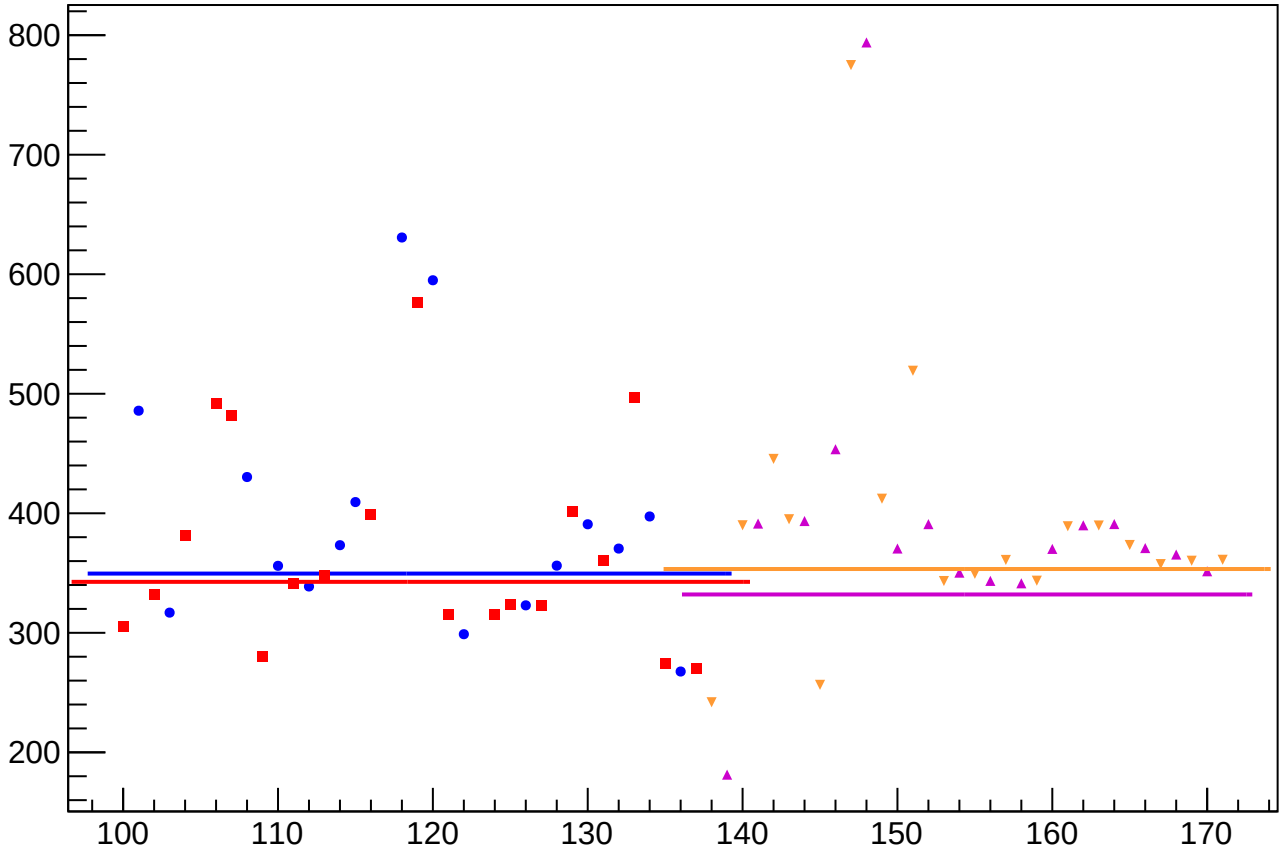
Left In: 0.045+/-0.096 χ^2/NDF:9.0/15

+ sign 0.008+/-0.079 χ^2/NDF: 21.1/33

All: 0.020+/-0.055 χ^2/NDF: 55.3/68

- sign 0.031+/-0.077 χ^2/NDF: 34.2/34

diff_targ_thetaY_rms vs Slug



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 353.381+/-0.069 χ^2/NDF:1262525.7/17

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

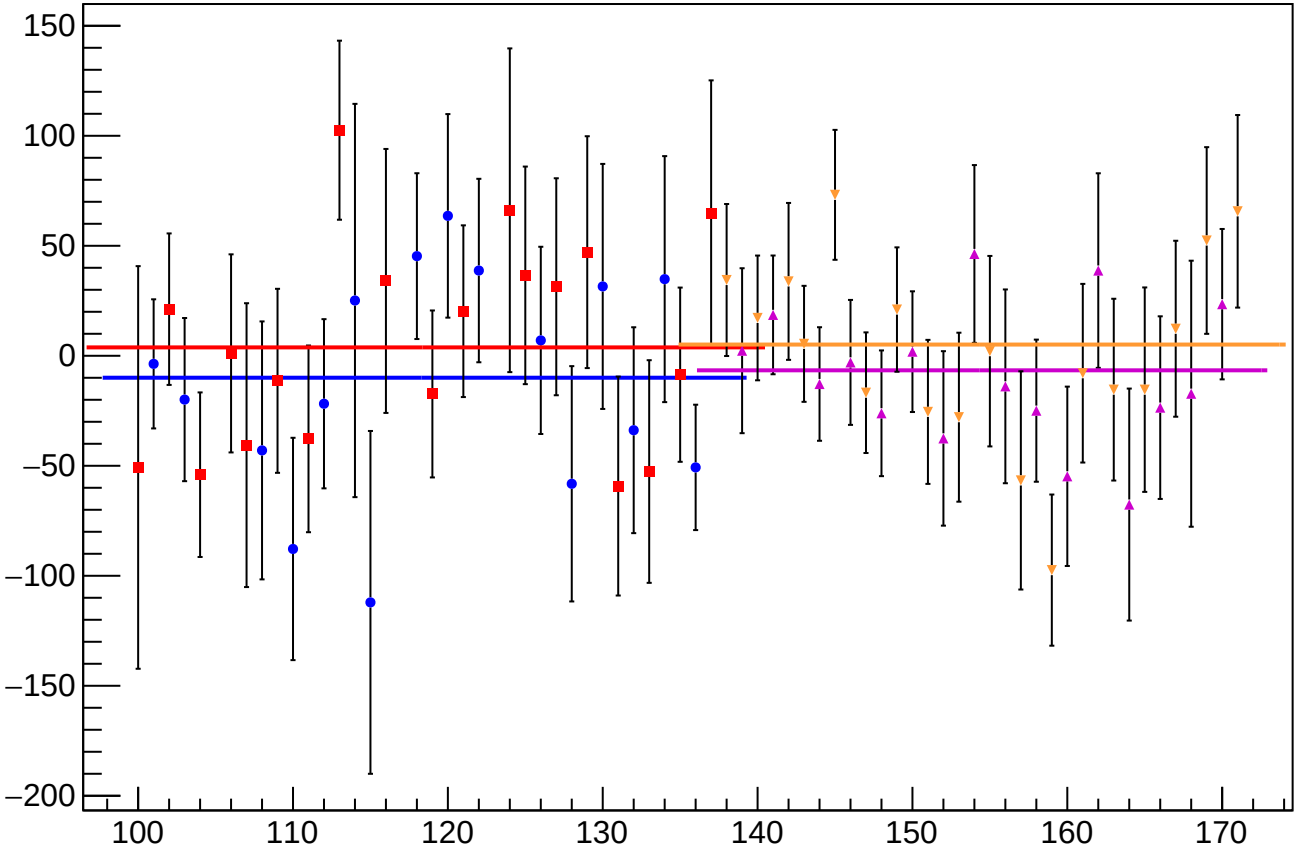
Left In: 332.084+/-0.068 χ^2/NDF:2070993.0/15

+ sign 352.060+/-0.056 χ^2/NDF: 1962896.8/33

All: 343.798+/-0.039 χ^2/NDF: 4661506.6/68

- sign 335.861+/-0.055 χ^2/NDF: 2655365.8/34

diff_bpmE_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

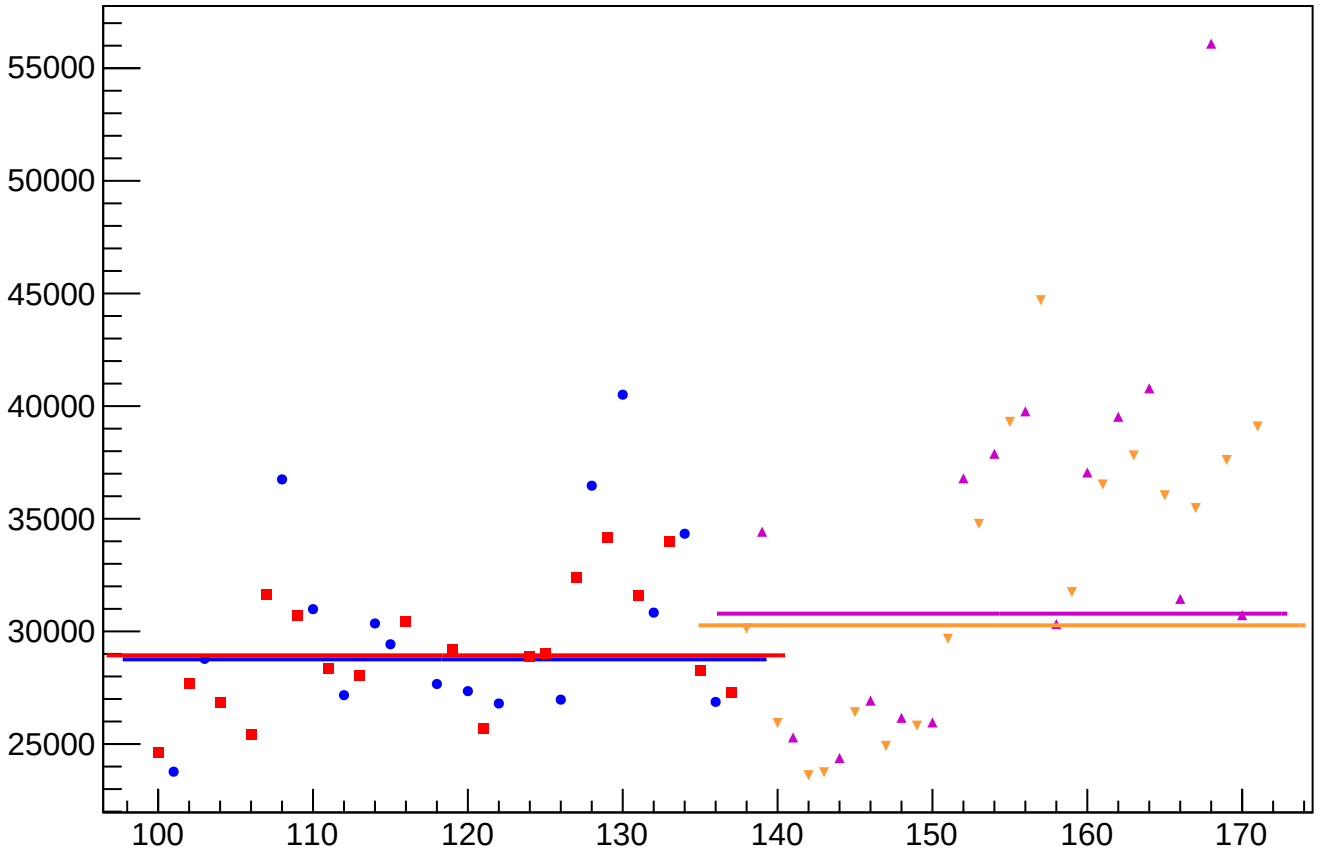
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.607+/-8.676 χ^2/NDF:9.0/15

+ sign -0.403+/-6.550 χ^2/NDF: 40.1/33

All: -1.397+/-4.692 χ^2/NDF: 67.1/68

- sign -2.443+/-6.723 χ^2/NDF: 26.9/34



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30269.532+/-5.814 χ^2/NDF:1007064.2/17

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

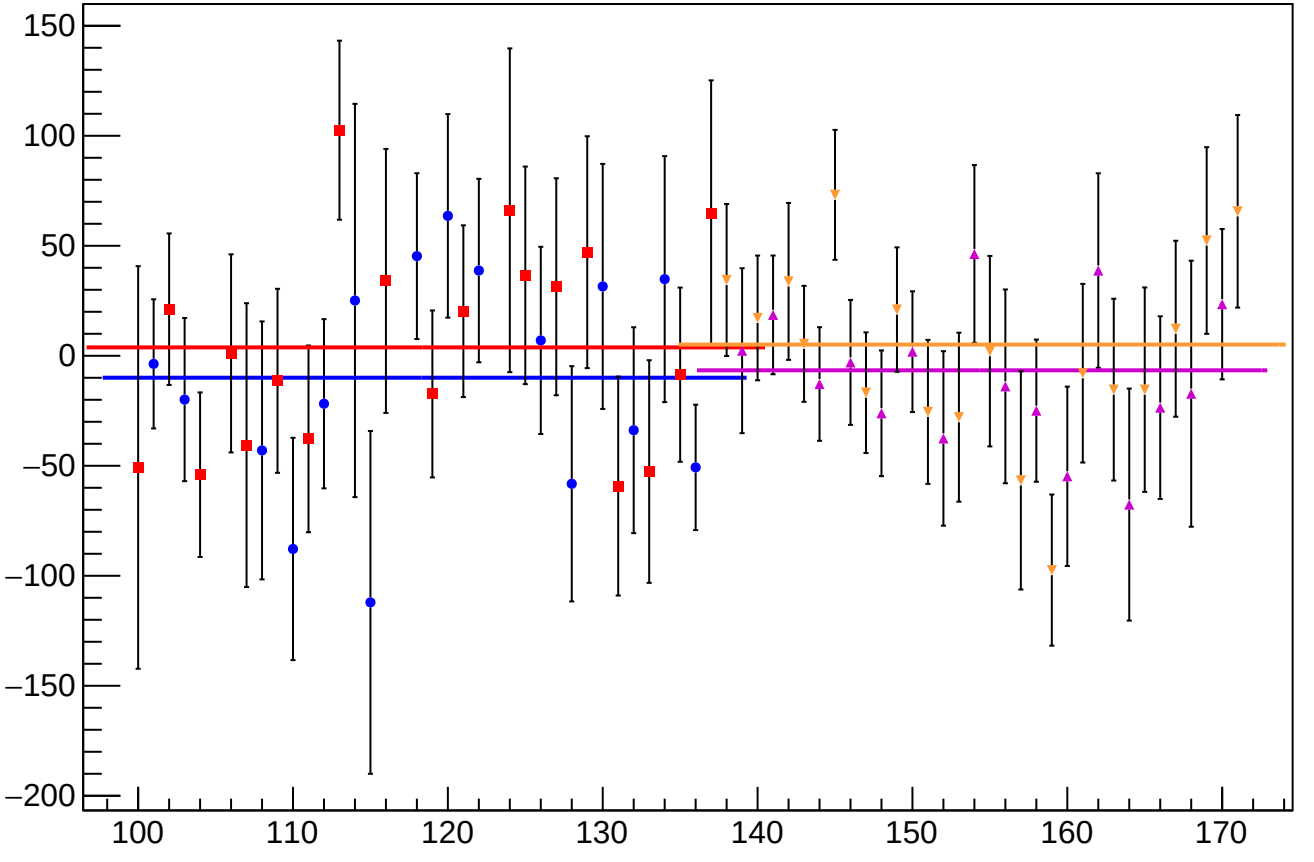
Left In: 30787.672+/-6.135 χ^2/NDF:1115591.5/15

+ sign 29717.674+/-4.632 χ^2/NDF: 1309364.8/33

All: 29878.766+/-3.317 χ^2/NDF: 2570038.9/6

- sign 30048.487+/-4.754 χ^2/NDF: 1258189.8/34

diff_bpmEX_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

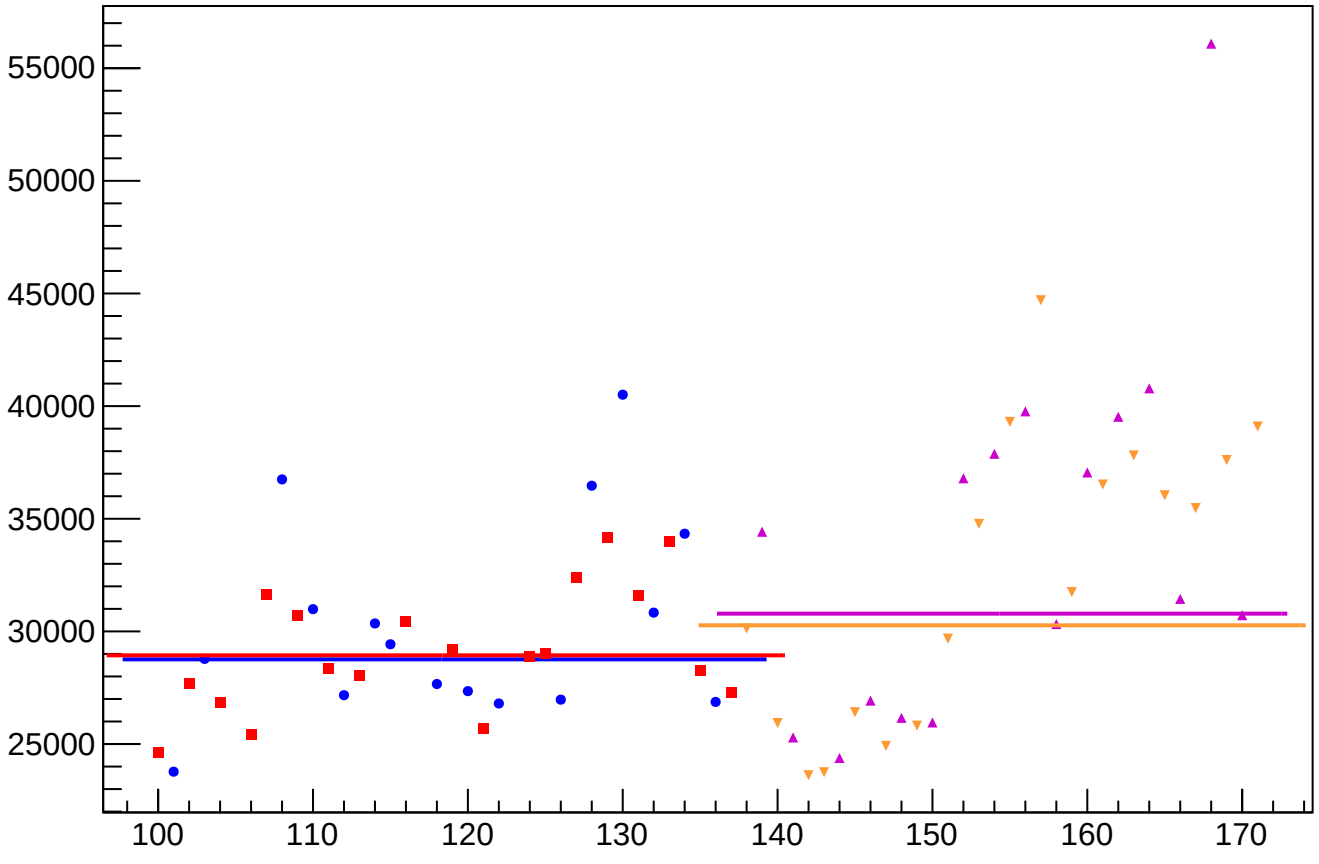
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -6.607+/-8.676 χ^2/NDF:9.0/15

\+ sign -0.403+/-6.550 χ^2/NDF: 40.1/33

All: -1.397+/-4.692 χ^2/NDF: 67.1/68

\- sign -2.443+/-6.723 χ^2/NDF: 26.9/34



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30269.532+/-5.814 χ^2/NDF:1007064.2/17

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

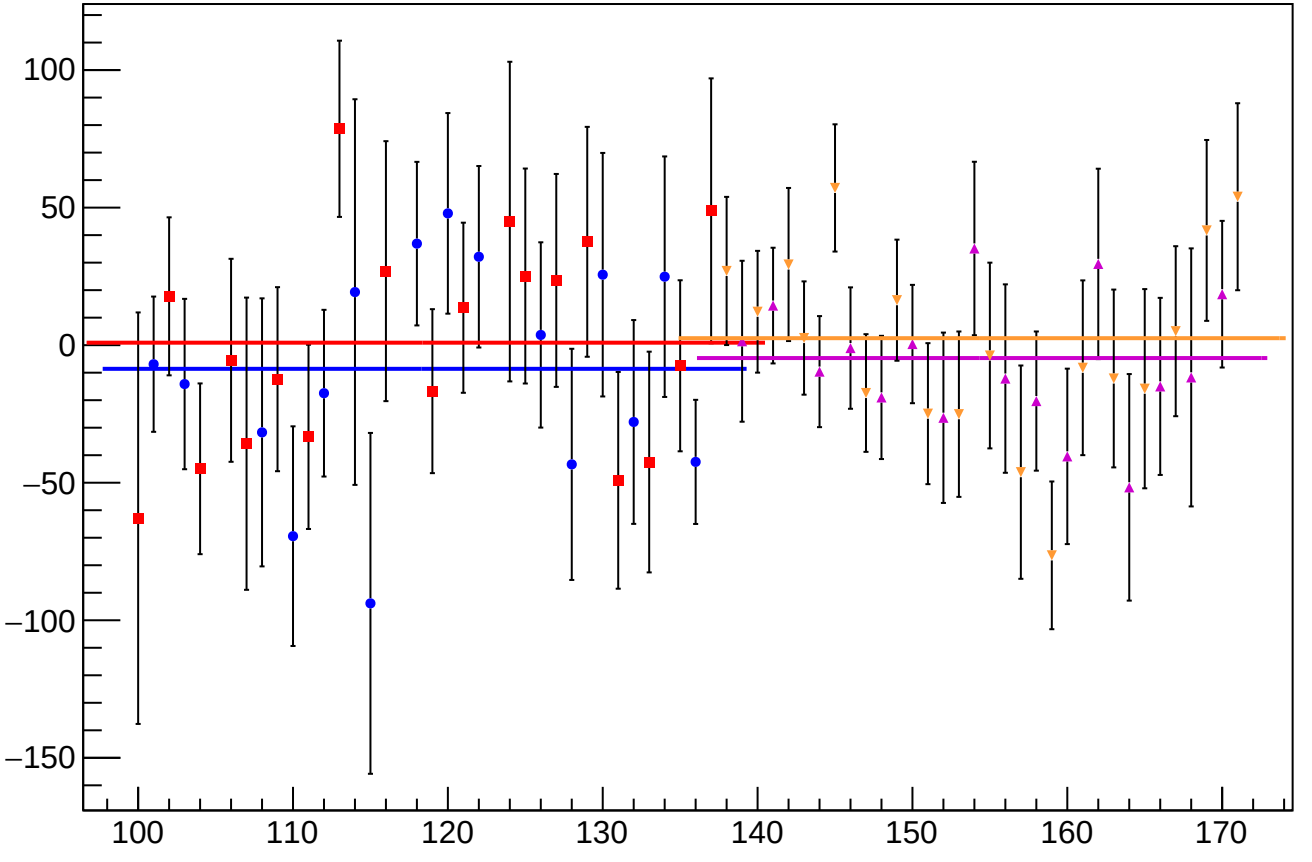
Left In: 30787.672+/-6.135 χ^2/NDF:1115591.5/15

+ sign 29717.674+/-4.632 χ^2/NDF: 1309364.8/33

All: 29878.766+/-3.317 χ^2/NDF: 2570038.9/6

- sign 30048.487+/-4.754 χ^2/NDF: 1258189.8/34

diff_bpmE_11X12X_mean vs Slug



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 2.540+/-6.415 χ^2/NDF:25.3/17

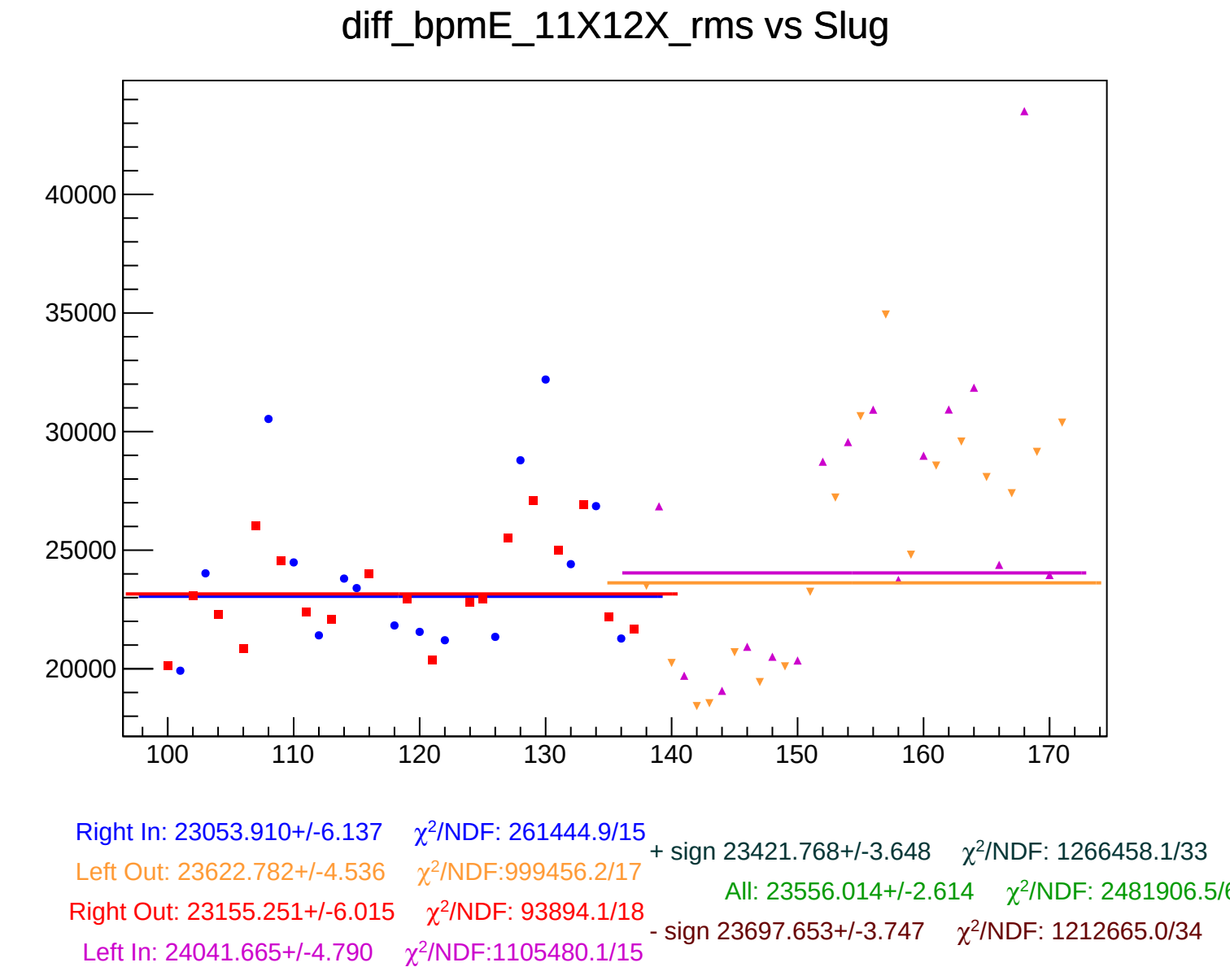
Right Out: 0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: -4.685+/-6.774 χ^2/NDF:8.4/15

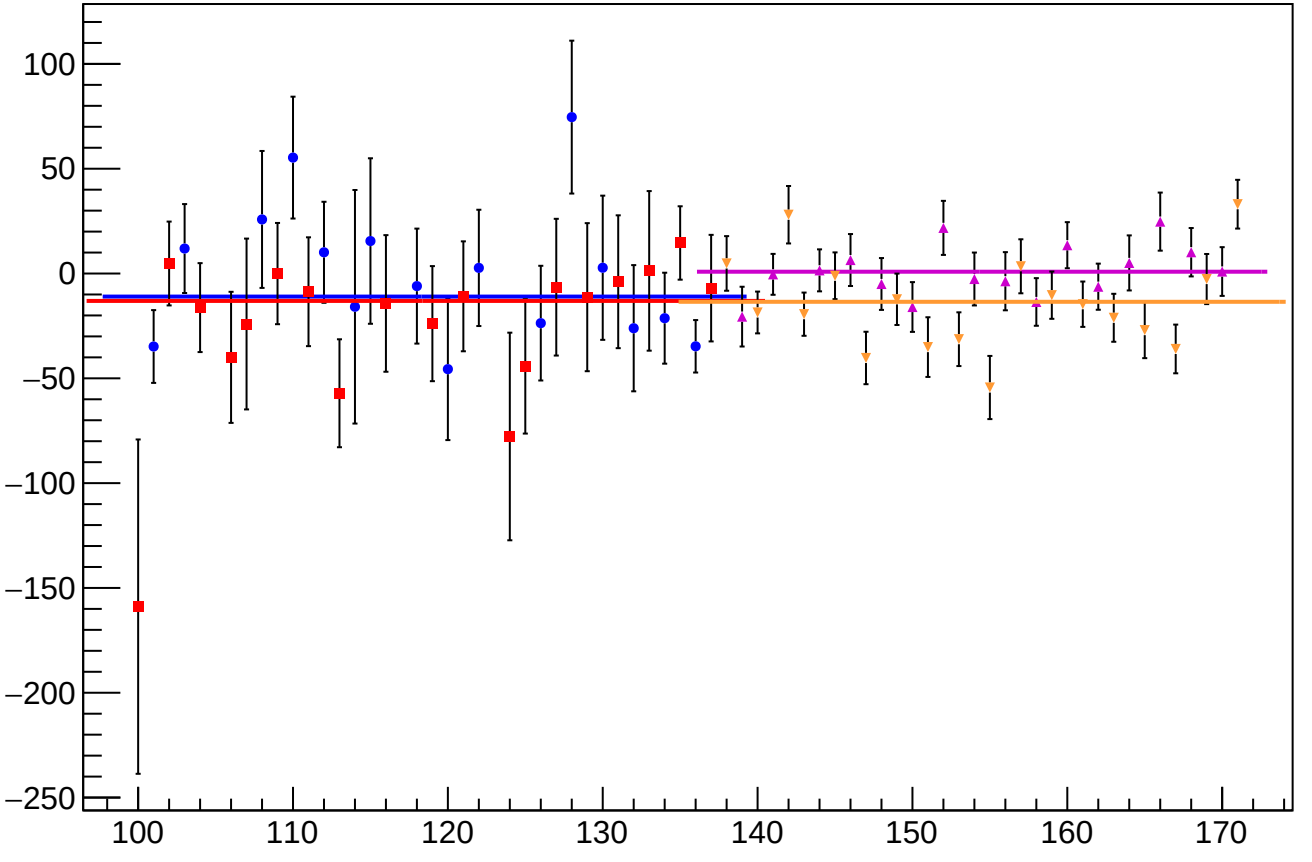
+ sign -1.396+/-5.159 χ^2/NDF: 41.9/33

All: -1.941+/-3.696 χ^2/NDF: 68.1/68

- sign -2.516+/-5.299 χ^2/NDF: 26.2/34


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23622.782+/-4.536 χ²/NDF:999456.2/17
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24041.665+/-4.790 χ²/NDF:1105480.1/15
+ sign 23421.768+/-3.648 χ²/NDF: 1266458.1/33
All: 23556.014+/-2.614 χ²/NDF: 2481906.5/6
- sign 23697.653+/-3.747 χ²/NDF: 1212665.0/34

diff_bpm4aesumX_mean vs Slug



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -13.488+/-2.832 χ^2/NDF:53.1/17

Right Out: -13.071+/-6.382 χ^2/NDF: 13.9/18

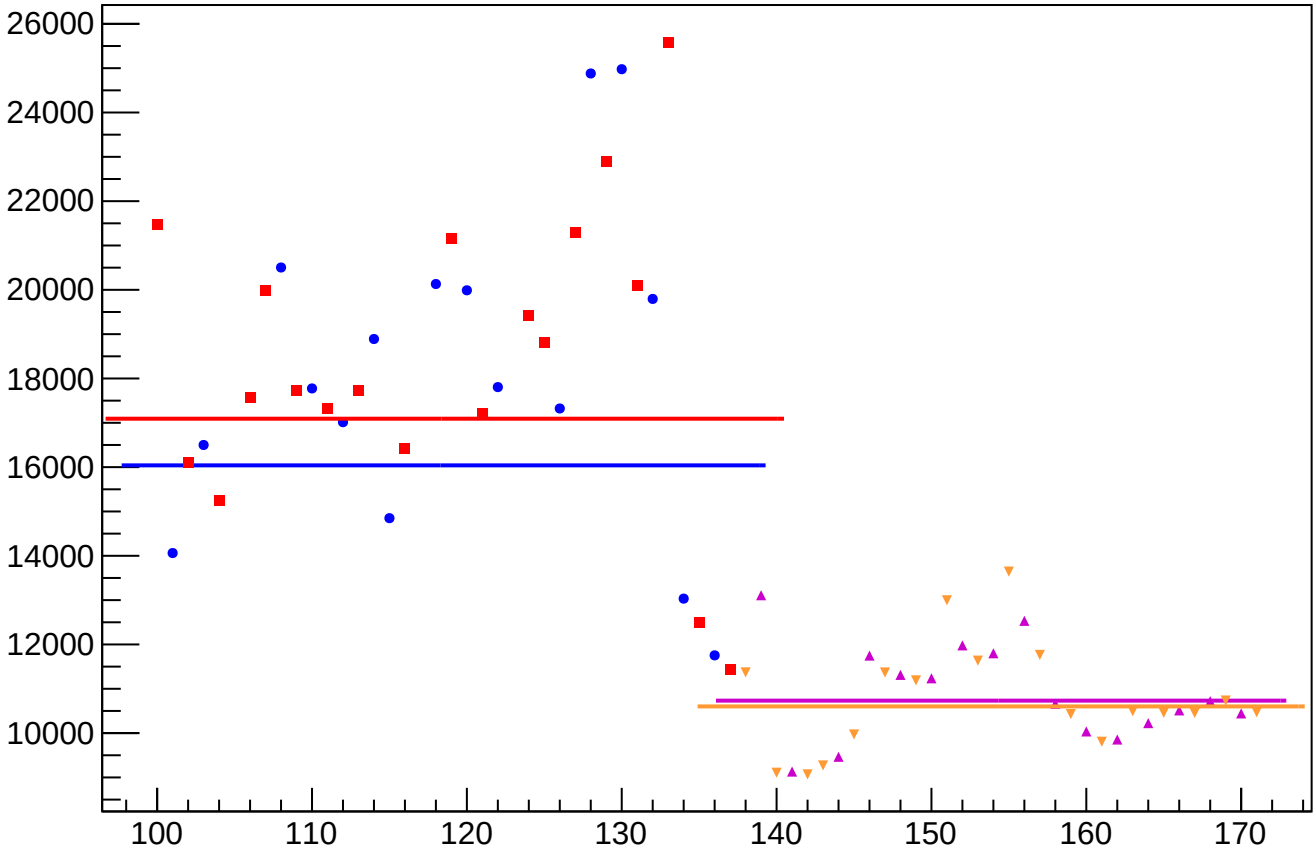
Left In: 0.860+/-2.972 χ^2/NDF:14.6/15

+ sign -13.054+/-2.573 χ^2/NDF: 75.2/33

All: -7.602+/-1.861 χ^2/NDF: 117.1/68

- sign -1.623+/-2.694 χ^2/NDF: 32.4/34

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10602.162+/-2.003 χ^2/NDF:308774.8/17

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

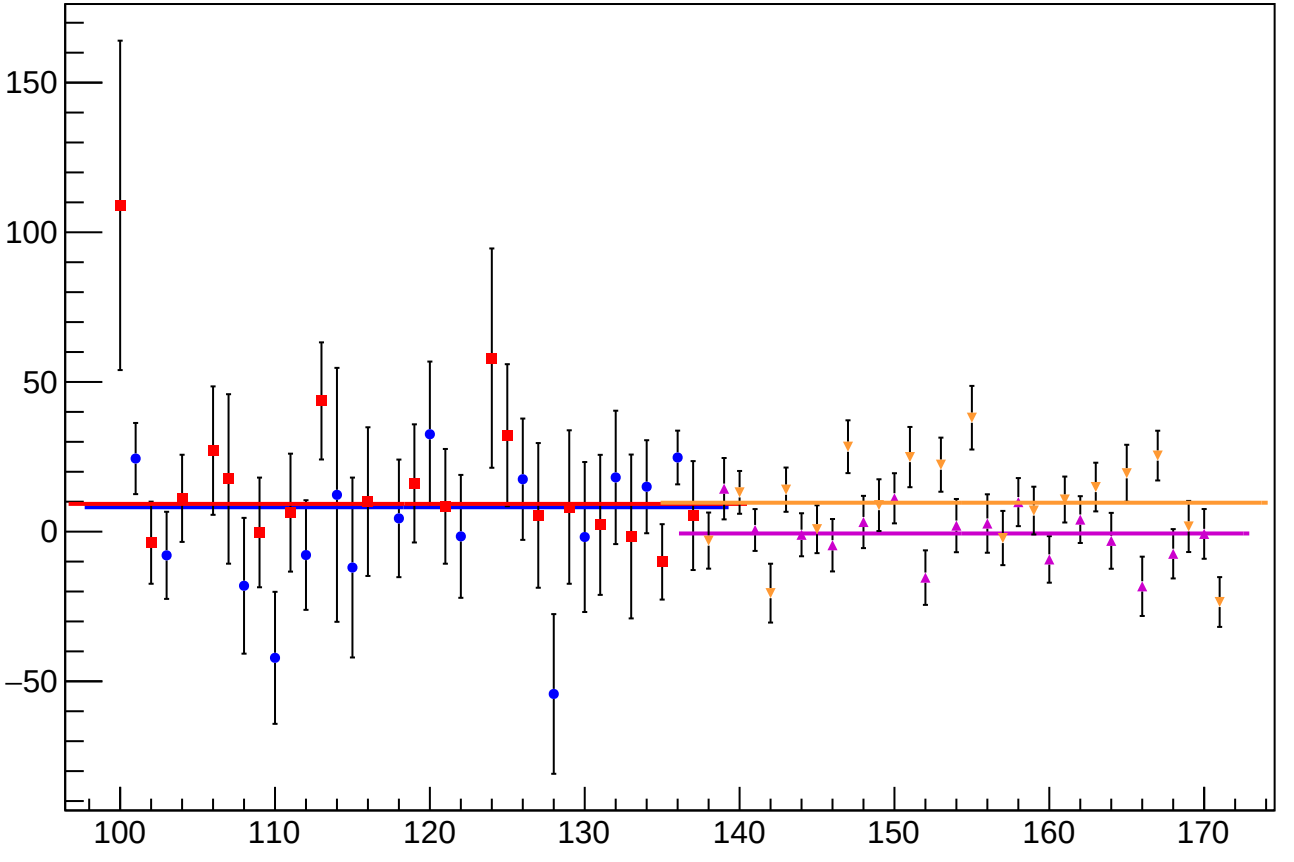
Left In: 10732.558+/-2.102 χ^2/NDF:255073.3/15

+ sign 11552.310+/-1.819 χ^2/NDF: 2319841.5/33

All: 11701.961+/-1.316 χ^2/NDF: 4756910.5/6

- sign 11866.072+/-1.905 χ^2/NDF: 2422881.6/34

diff_bpm4aediffX_mean vs Slug



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.661+/-2.016 χ^2/NDF:52.7/17

Right Out: 9.270+/-4.607 χ^2/NDF: 13.9/18

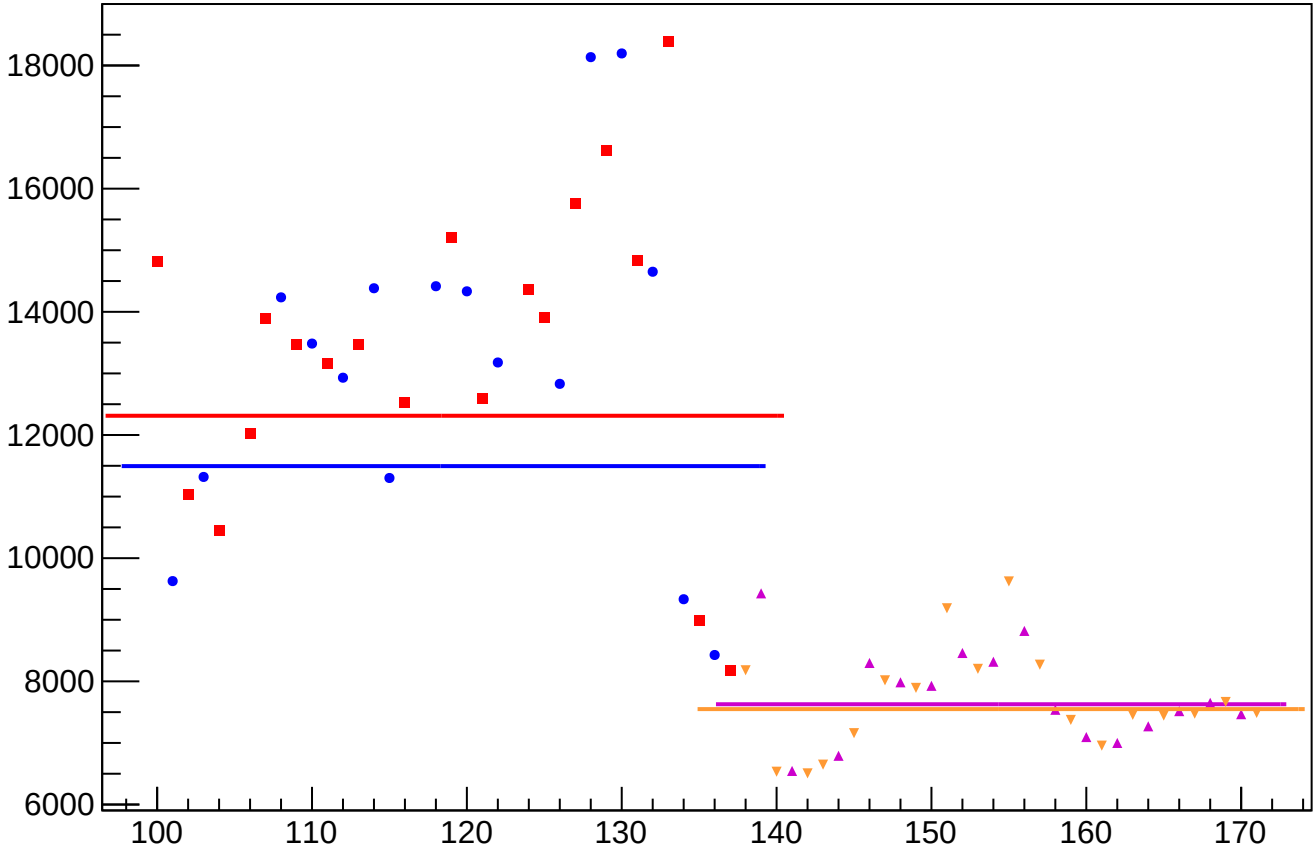
Left In: -0.614+/-2.112 χ^2/NDF:14.6/15

+ sign 9.401+/-1.834 χ^2/NDF: 74.5/33

All: 5.441+/-1.326 χ^2/NDF: 116.5/68

- sign 1.102+/-1.920 χ^2/NDF: 32.2/34

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7549.427+/-1.425 χ^2/NDF:281610.0/17

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

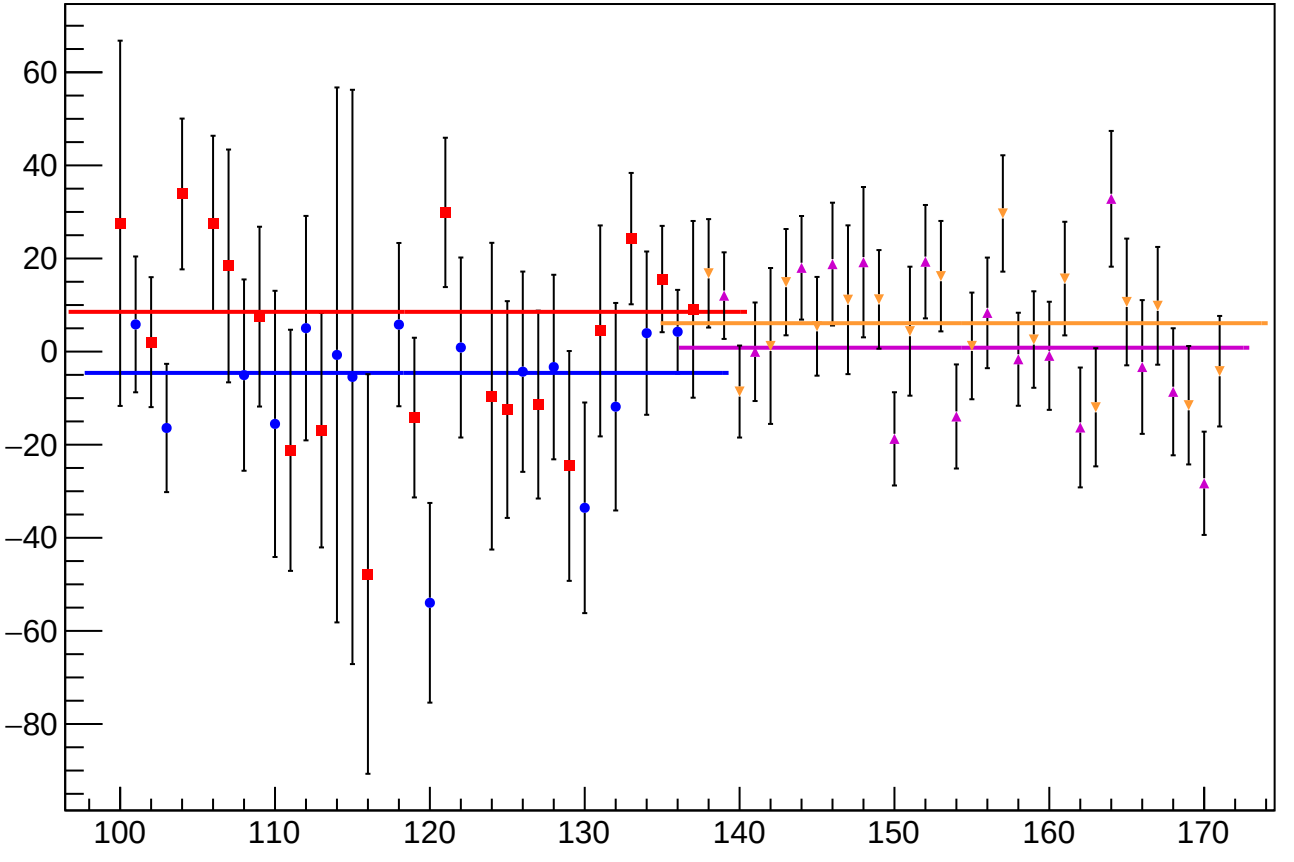
Left In: 7628.315+/-1.493 χ^2/NDF:239410.0/15

+ sign 8227.914+/-1.297 χ^2/NDF: 2389531.5/33

All: 8329.894+/-0.938 χ^2/NDF: 4949145.5/68

- sign 8441.623+/-1.357 χ^2/NDF: 2546656.2/34

diff_bpm4aesumY_mean vs Slug



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.101+/-2.839 χ^2/NDF:14.2/17

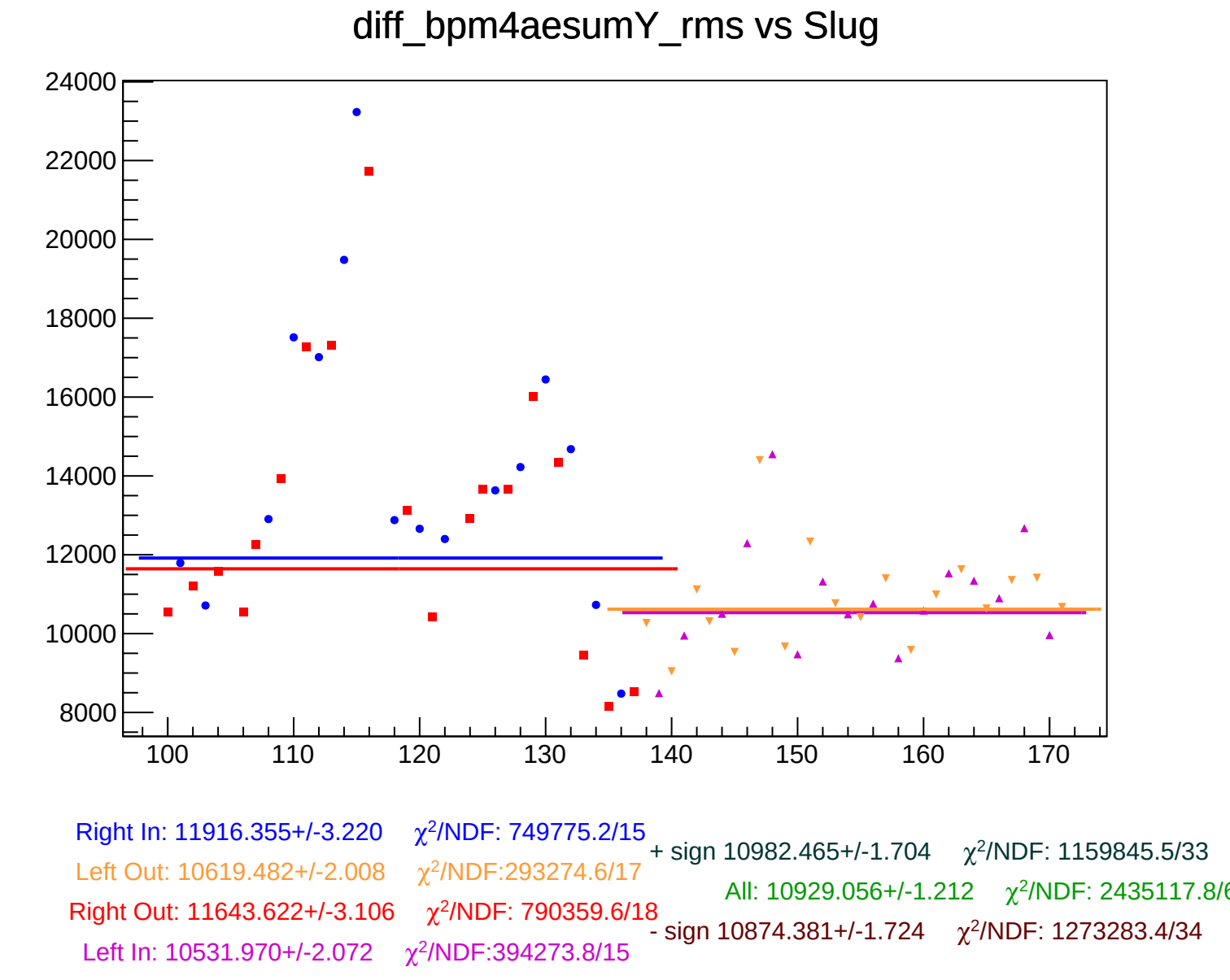
Right Out: 8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: 0.831+/-2.930 χ^2/NDF:29.4/15

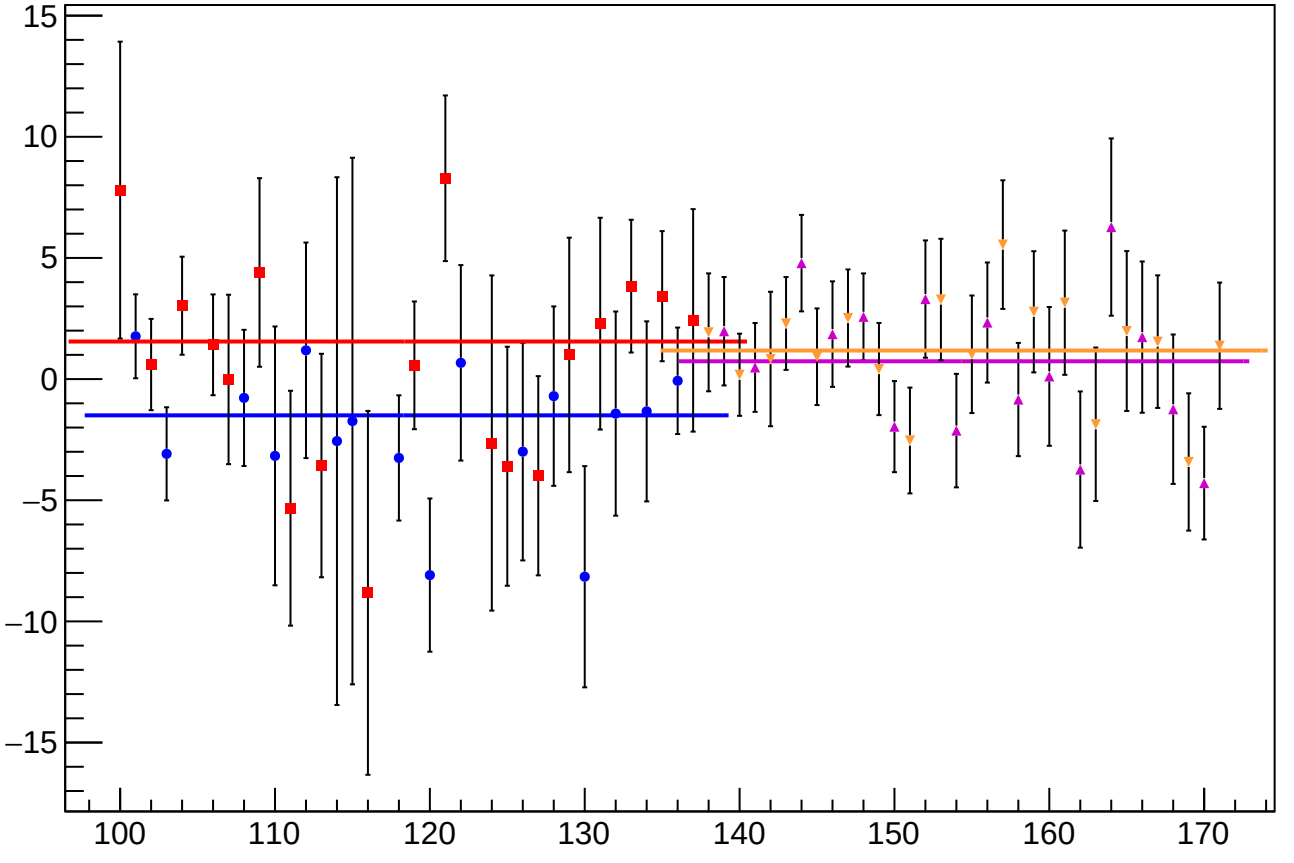
+ sign 3.112+/-2.409 χ^2/NDF: 28.4/33

All: 3.158+/-1.714 χ^2/NDF: 77.1/68

- sign 3.205+/-2.438 χ^2/NDF: 48.7/34


diff_bpm4aesumY_rms vs Slug
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11916.355+/-3.220 χ²/NDF: 749775.2/15
Left Out: 10619.482+/-2.008 χ²/NDF:293274.6/17
Right Out: 11643.622+/-3.106 χ²/NDF: 790359.6/18
Left In: 10531.970+/-2.072 χ²/NDF:394273.8/15
+ sign 10982.465+/-1.704 χ²/NDF: 1159845.5/33
All: 10929.056+/-1.212 χ²/NDF: 2435117.8/6
- sign 10874.381+/-1.724 χ²/NDF: 1273283.4/34

diff_bpm4aediffY_mean vs Slug



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.179+/-0.555 χ^2/NDF:12.2/17

Right Out: 1.551+/-0.745 χ^2/NDF: 16.3/18

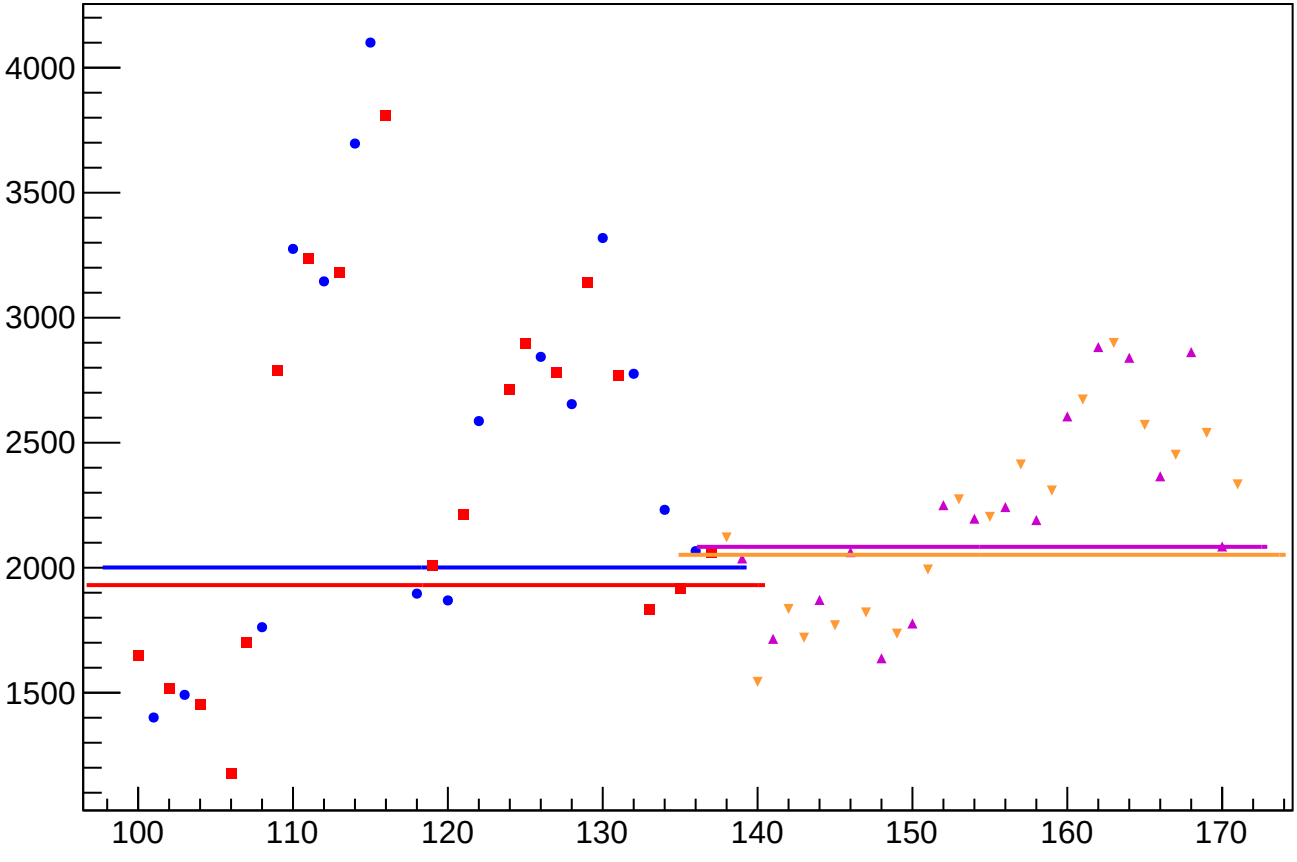
Left In: 0.735+/-0.583 χ^2/NDF:20.8/15

+ sign 0.277+/-0.452 χ^2/NDF: 32.6/33

All: 0.655+/-0.322 χ^2/NDF: 71.9/68

- sign 1.045+/-0.459 χ^2/NDF: 37.8/34

diff_bpm4aediffY_rms vs Slug



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2051.652+/-0.392 χ^2/NDF:863252.9/17

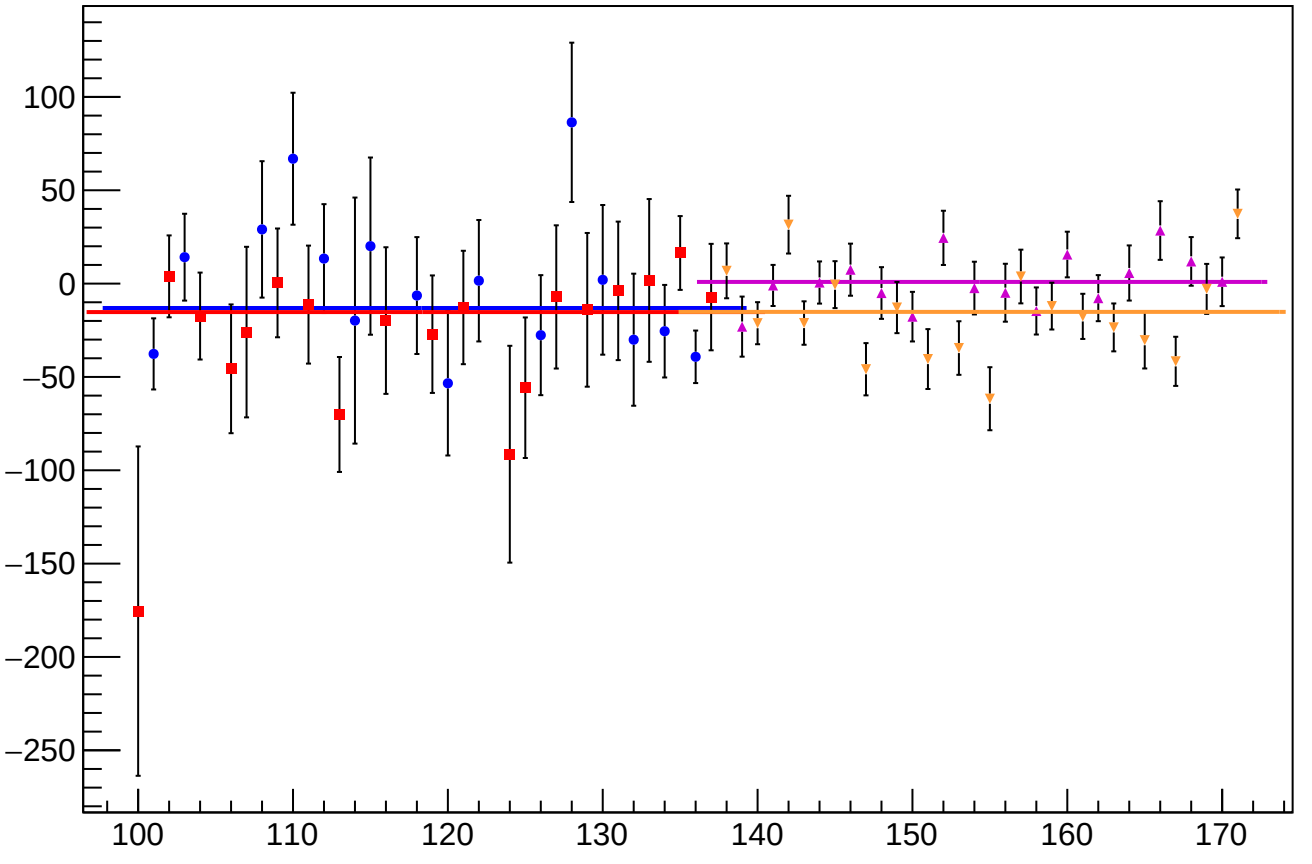
Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2083.513+/-0.412 χ^2/NDF:726860.2/15

+ sign 2034.576+/-0.320 χ^2/NDF: 2058653.0/33

All: 2030.013+/-0.228 χ^2/NDF: 4241877.9/68

- sign 2025.302+/-0.325 χ^2/NDF: 2182810.5/34



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -15.148+/-3.182 χ^2/NDF:54.4/17

Right Out: -15.253+/-7.321 χ^2/NDF: 14.3/18

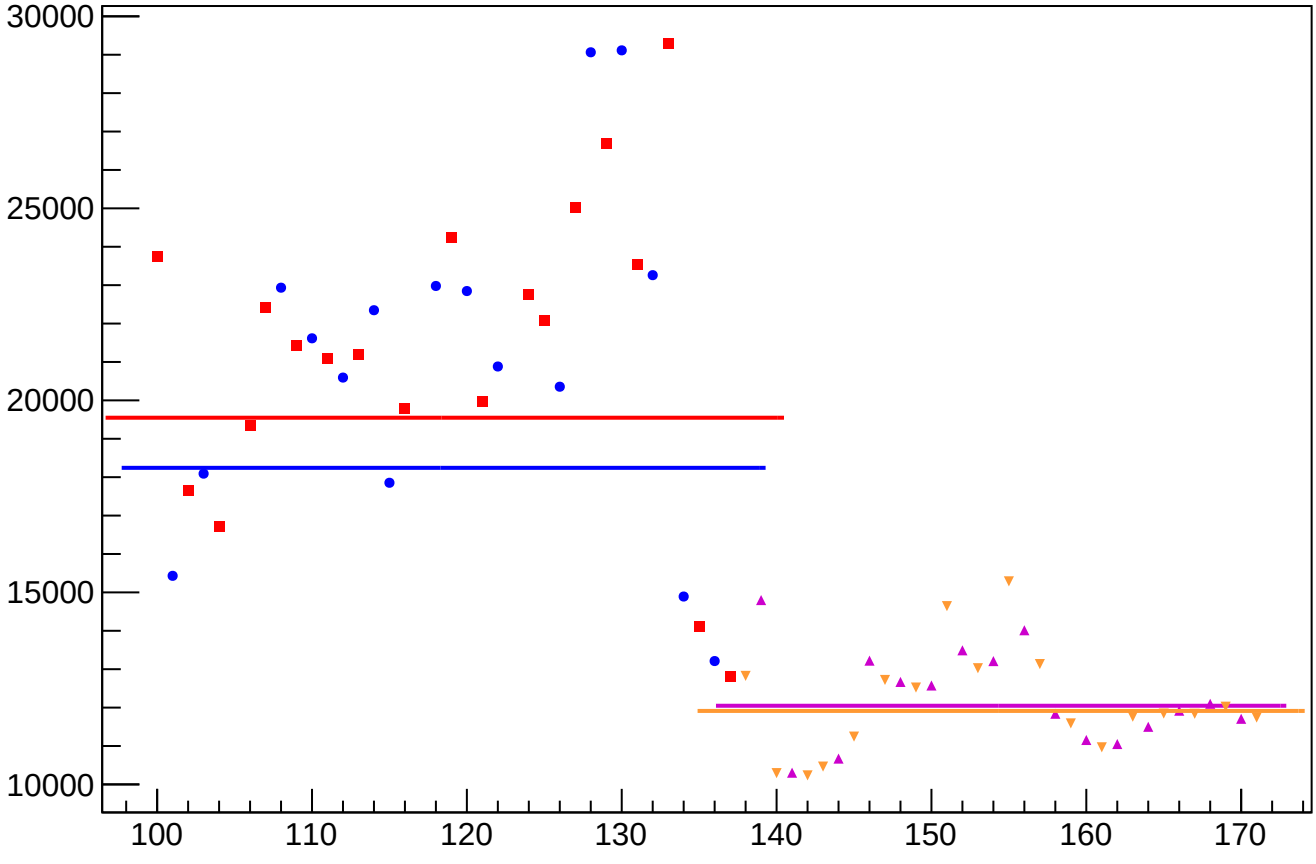
Left In: 0.901+/-3.336 χ^2/NDF:14.8/15

+ sign -14.793+/-2.898 χ^2/NDF: 76.3/33

All: -8.635+/-2.096 χ^2/NDF: 119.0/68

- sign -1.877+/-3.036 χ^2/NDF: 33.2/34

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11913.402+/-2.250 χ^2/NDF:298493.4/17

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

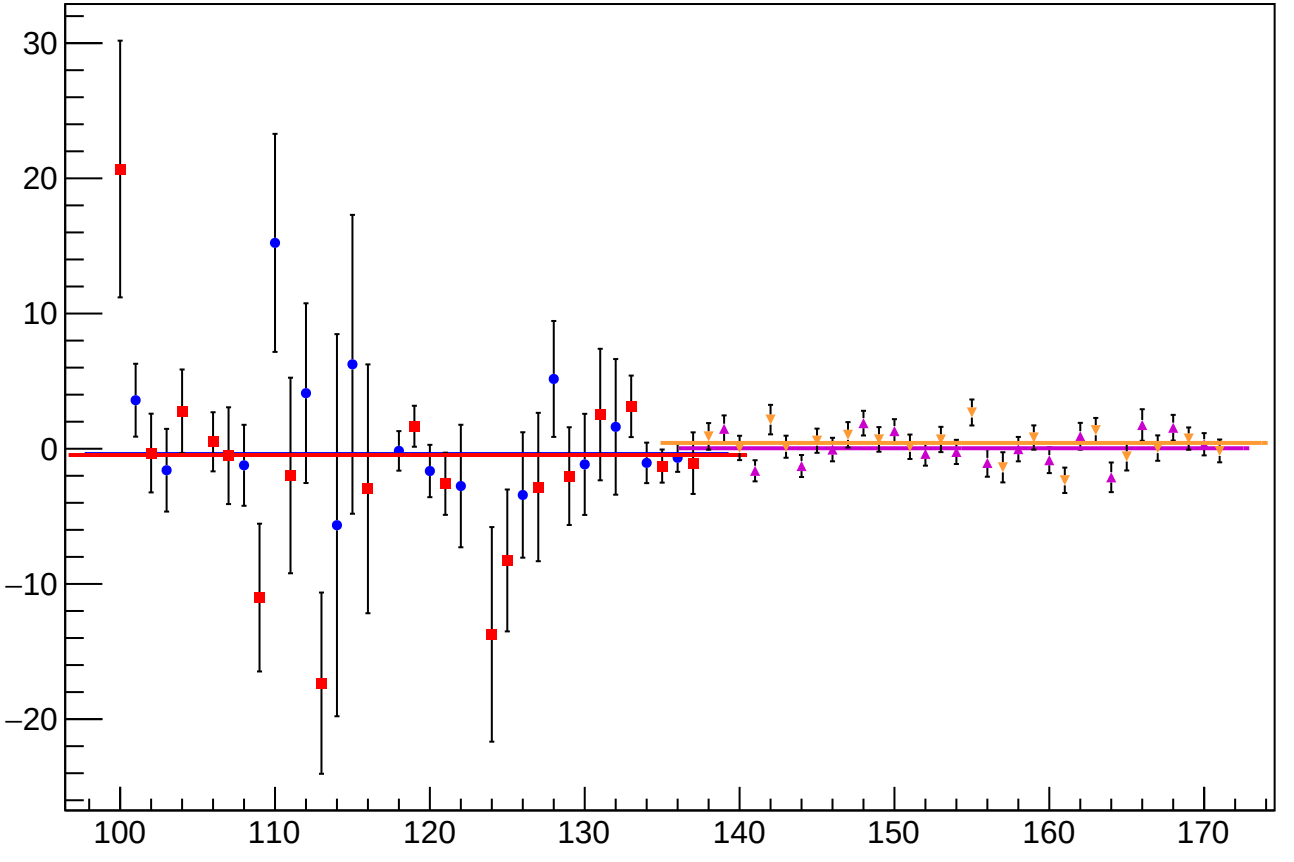
Left In: 12048.312+/-2.359 χ^2/NDF:253568.0/15

+ sign 12990.474+/-2.049 χ^2/NDF: 2465305.8/33

All: 13156.282+/-1.482 χ^2/NDF: 5092527.9/6

- sign 13338.204+/-2.147 χ^2/NDF: 2613495.2/34

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.429+/-0.218 χ^2/NDF:23.5/17

Right Out: -0.464+/-0.634 χ^2/NDF: 28.0/18

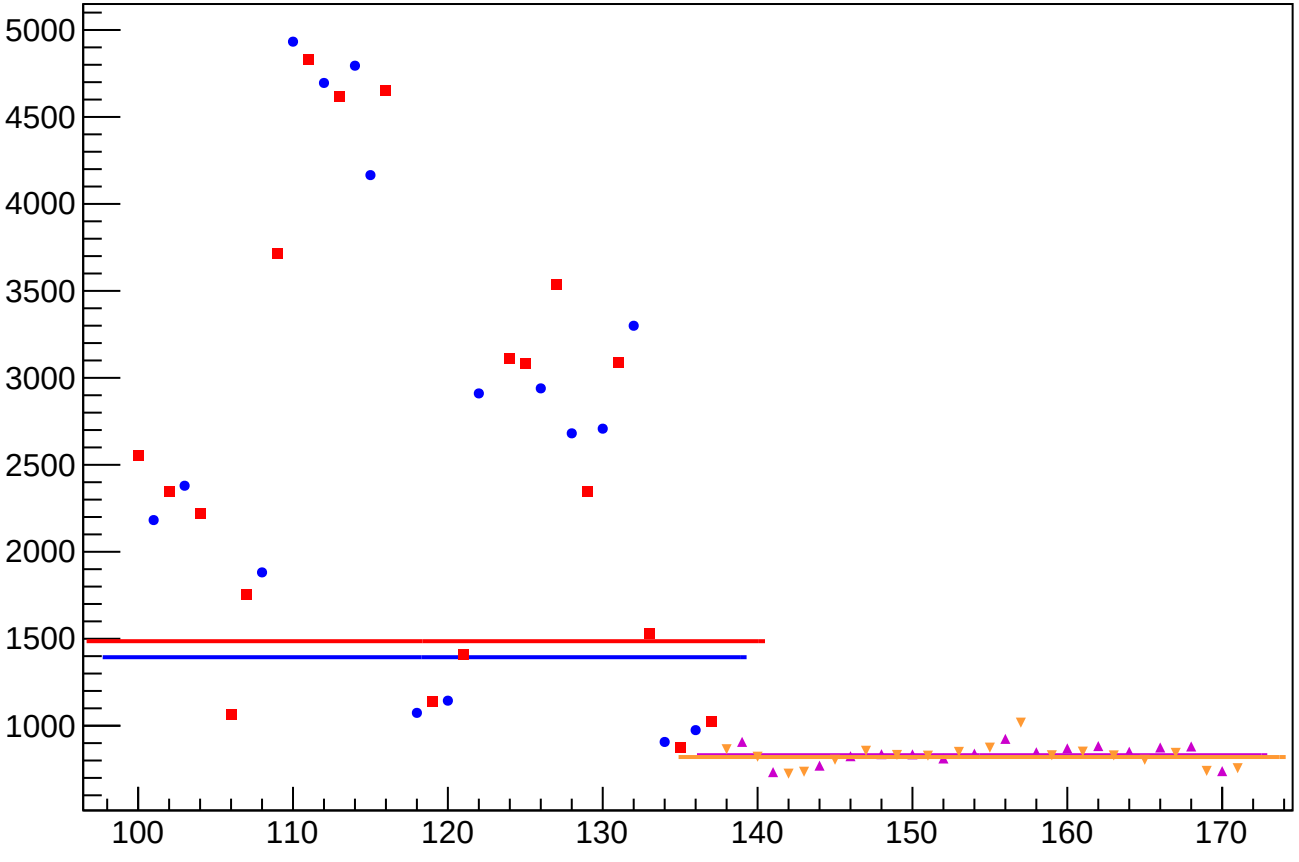
Left In: 0.036+/-0.229 χ^2/NDF:27.3/15

+ sign 0.333+/-0.205 χ^2/NDF: 35.6/33

All: 0.164+/-0.149 χ^2/NDF: 92.9/68

- sign -0.022+/-0.216 χ^2/NDF: 55.9/34

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 820.000+/-0.154 χ^2/NDF:150776.4/17

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

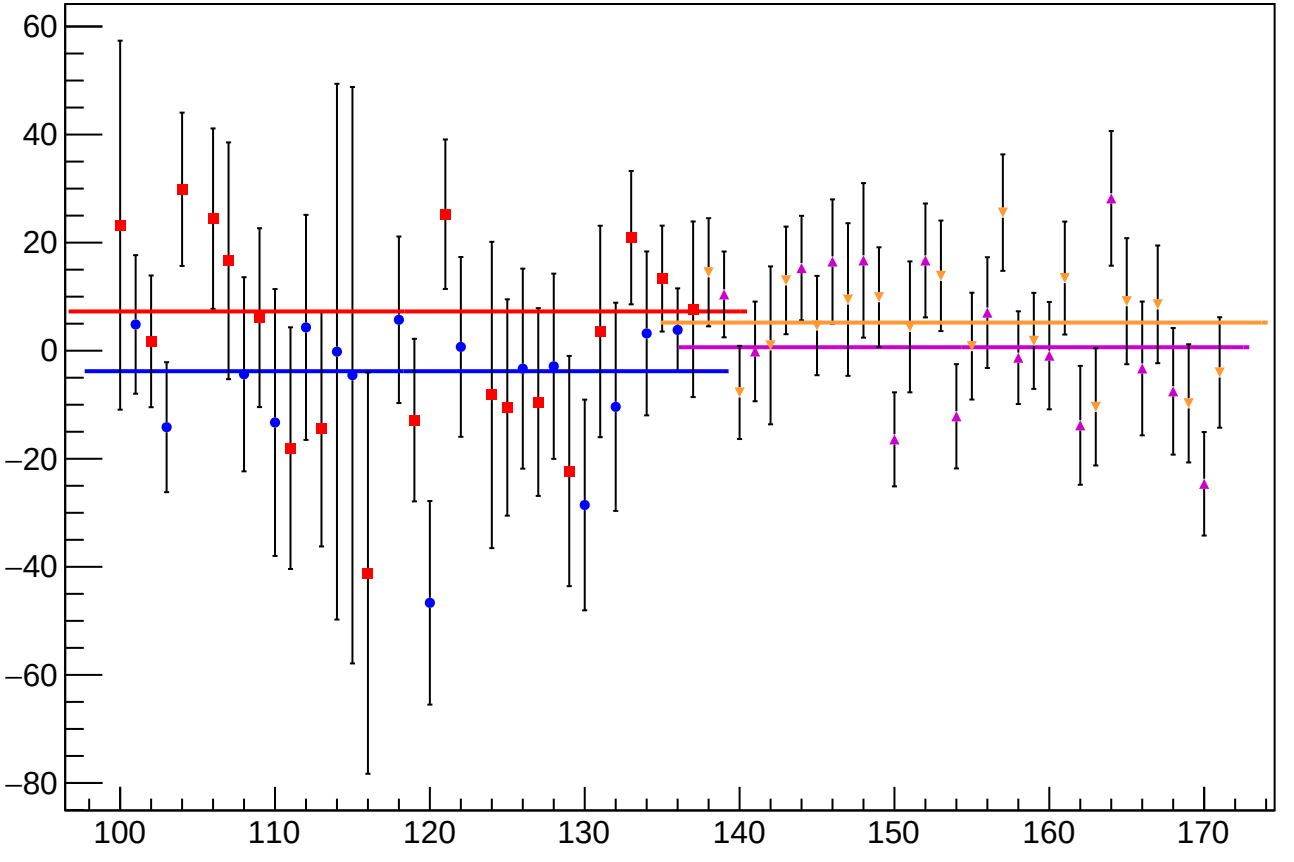
Left In: 830.528+/-0.162 χ^2/NDF:115770.8/15

+ sign 887.083+/-0.145 χ^2/NDF: 5147043.0/33

All: 896.288+/-0.105 χ^2/NDF: 10560764.5/68

- sign 906.469+/-0.153 χ^2/NDF: 5405243.3/34

diff_bpmtargetsumY_mean vs Slug



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.206+/-2.454 χ^2/NDF:14.4/17

Right Out: 7.264+/-3.807 χ^2/NDF: 17.3/18

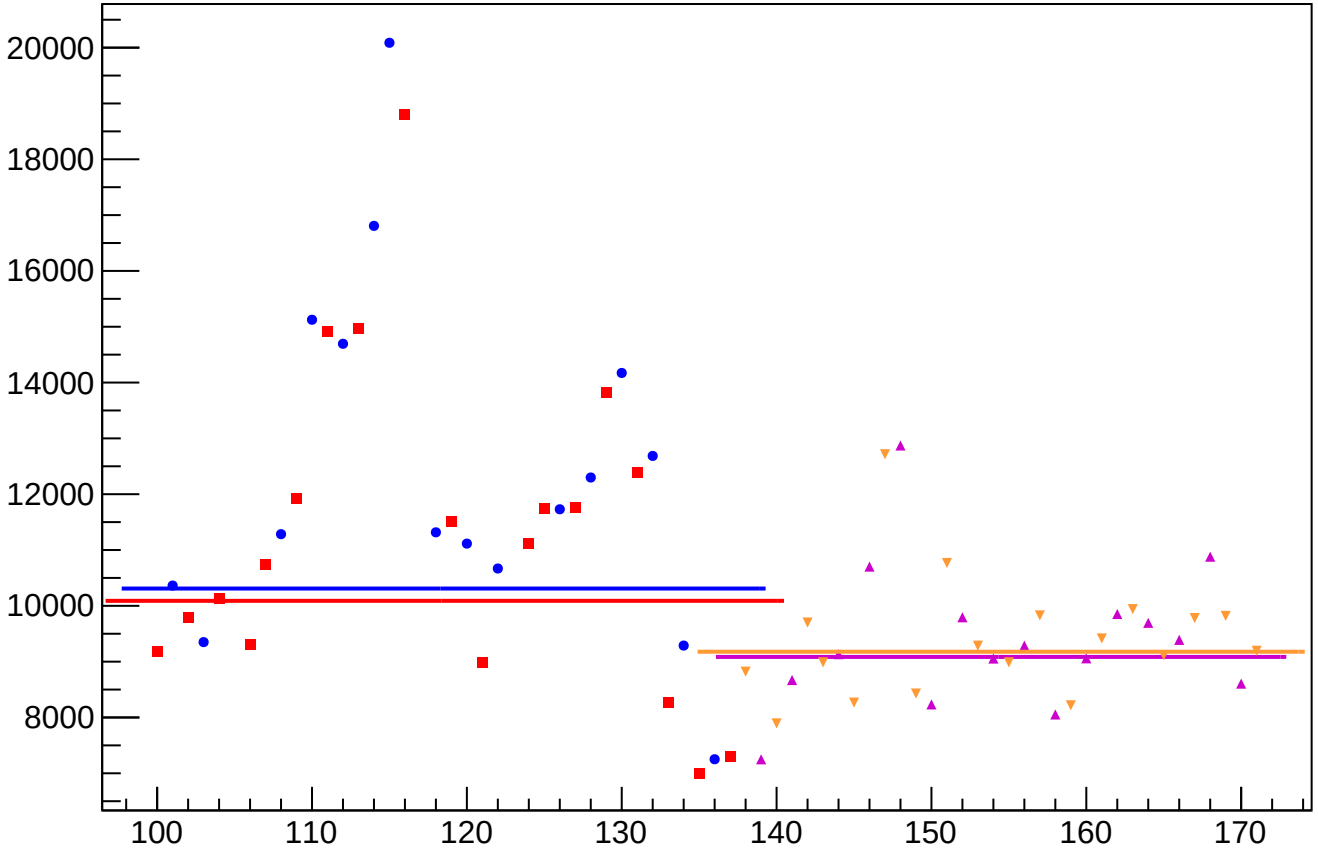
Left In: 0.640+/-2.529 χ^2/NDF:29.5/15

+ sign 2.693+/-2.084 χ^2/NDF: 28.2/33

All: 2.681+/-1.481 χ^2/NDF: 77.1/68

- sign 2.669+/-2.107 χ^2/NDF: 48.9/34

diff_bpmtargetsumY_rms vs Slug



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9177.928+/-1.735 χ^2/NDF:298600.2/17

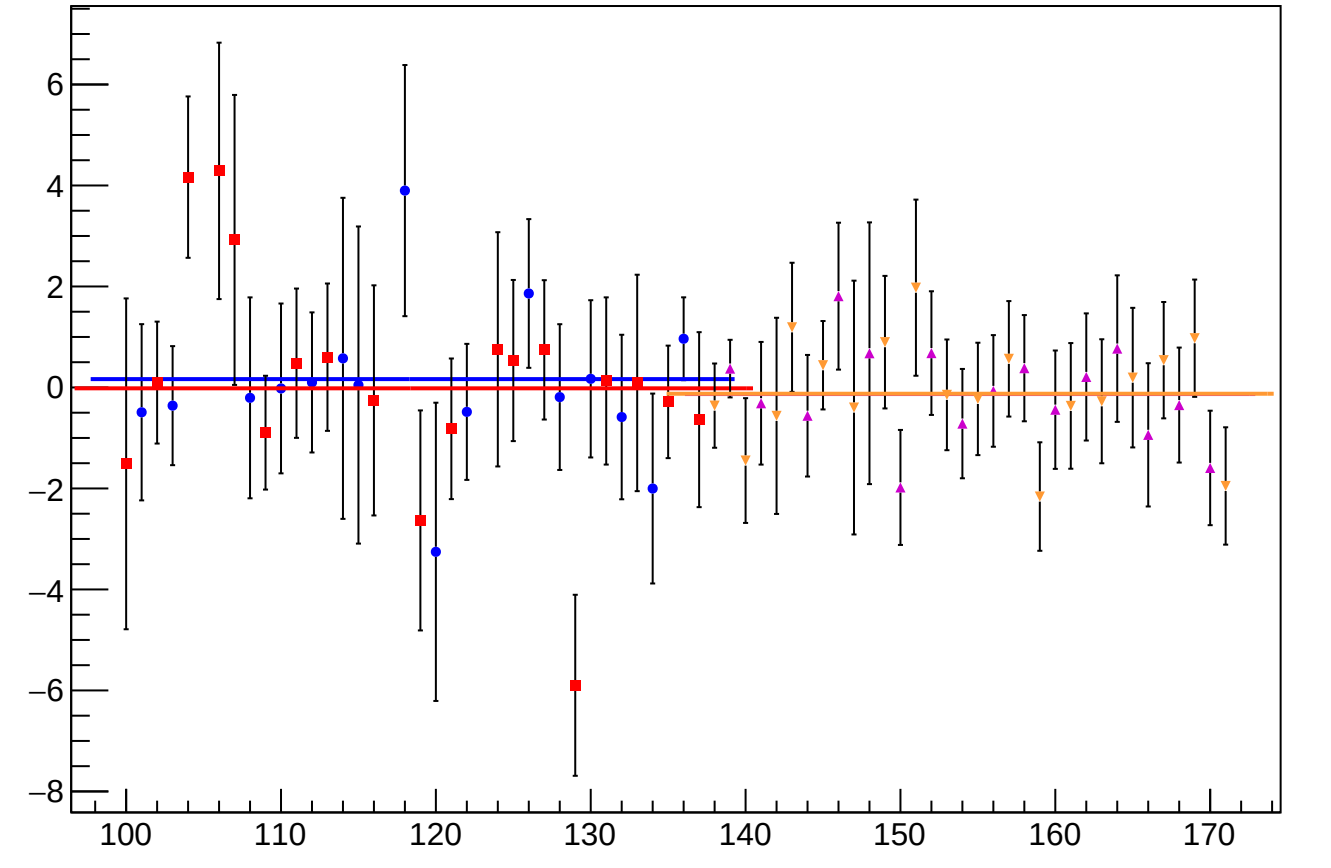
Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9084.804+/-1.788 χ^2/NDF:416449.4/15

+ sign 9494.021+/-1.473 χ^2/NDF: 1187935.9/33

All: 9443.811+/-1.048 χ^2/NDF: 2496181.0/68

- sign 9392.484+/-1.490 χ^2/NDF: 1305896.4/34



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.124+/-0.281 χ^2/NDF:12.6/17

Right Out: -0.017+/-0.372 χ^2/NDF: 25.2/18

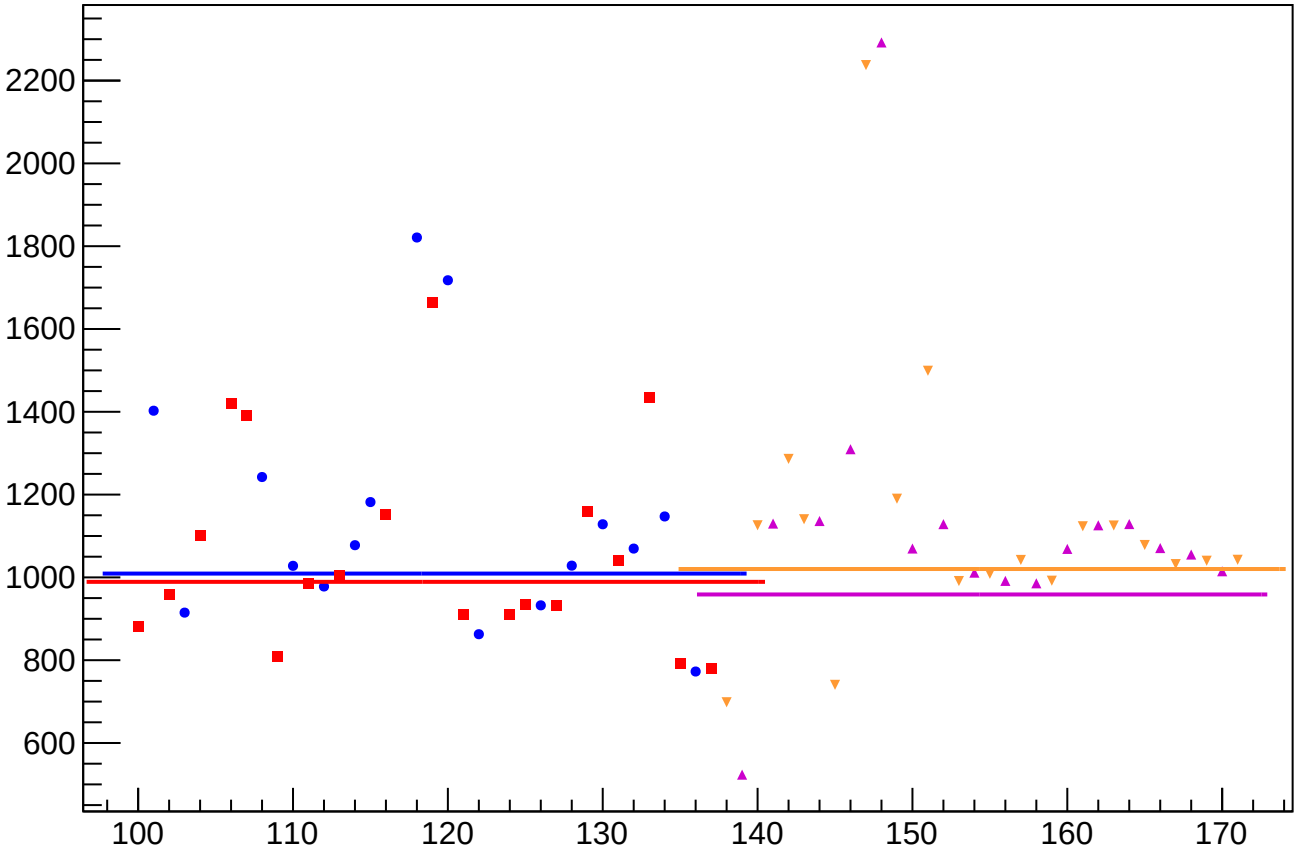
Left In: -0.130+/-0.278 χ^2/NDF:9.0/15

+ sign -0.024+/-0.227 χ^2/NDF: 21.1/33

All: -0.058+/-0.159 χ^2/NDF: 55.3/68

- sign -0.090+/-0.223 χ^2/NDF: 34.2/34

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1020.254+/-0.199 χ^2/NDF:1262525.7/17

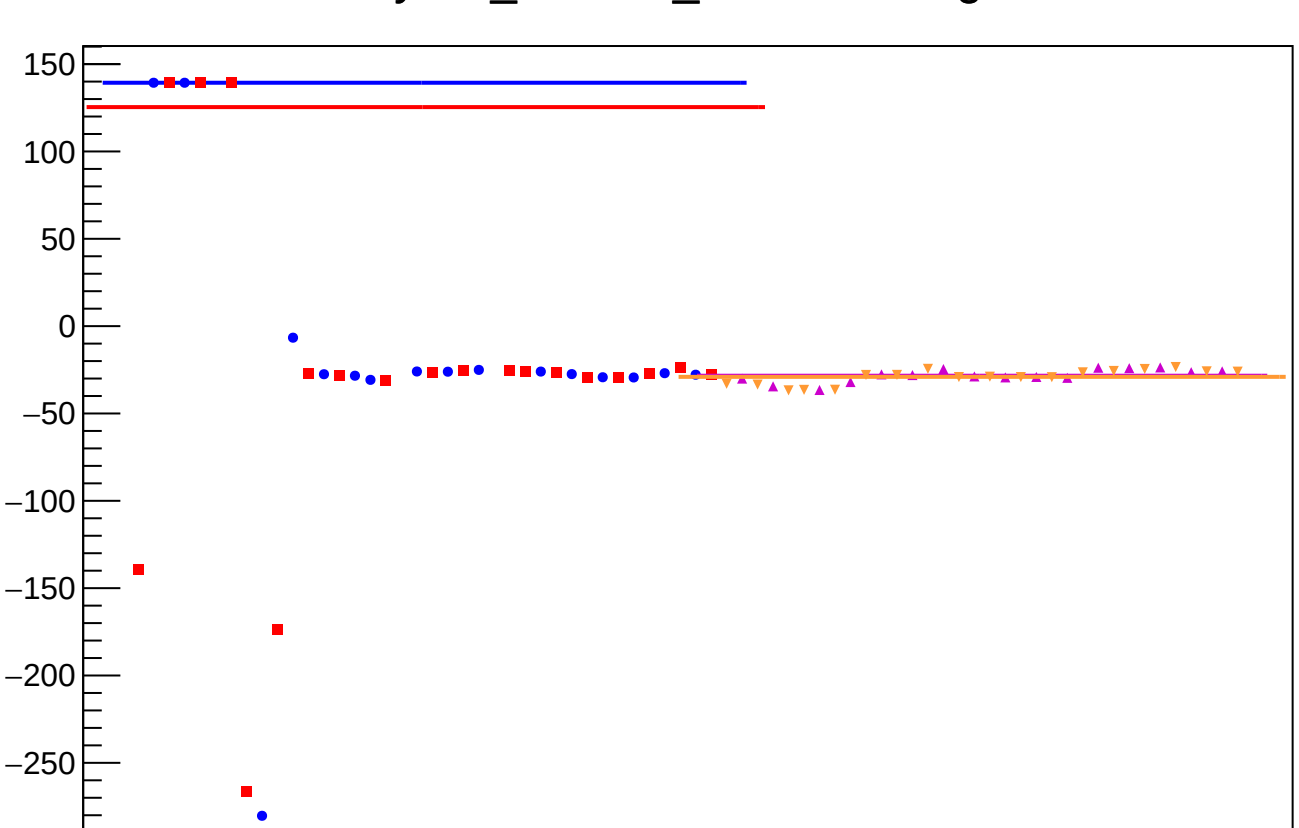
Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 958.766+/-0.196 χ^2/NDF:2070993.0/15

+ sign 1016.439+/-0.161 χ^2/NDF: 1962896.8/33

All: 992.585+/-0.112 χ^2/NDF: 4661506.6/68

- sign 969.670+/-0.157 χ^2/NDF: 2655365.8/34



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.029+/-0.000 χ^2/NDF:135728816.9/17

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

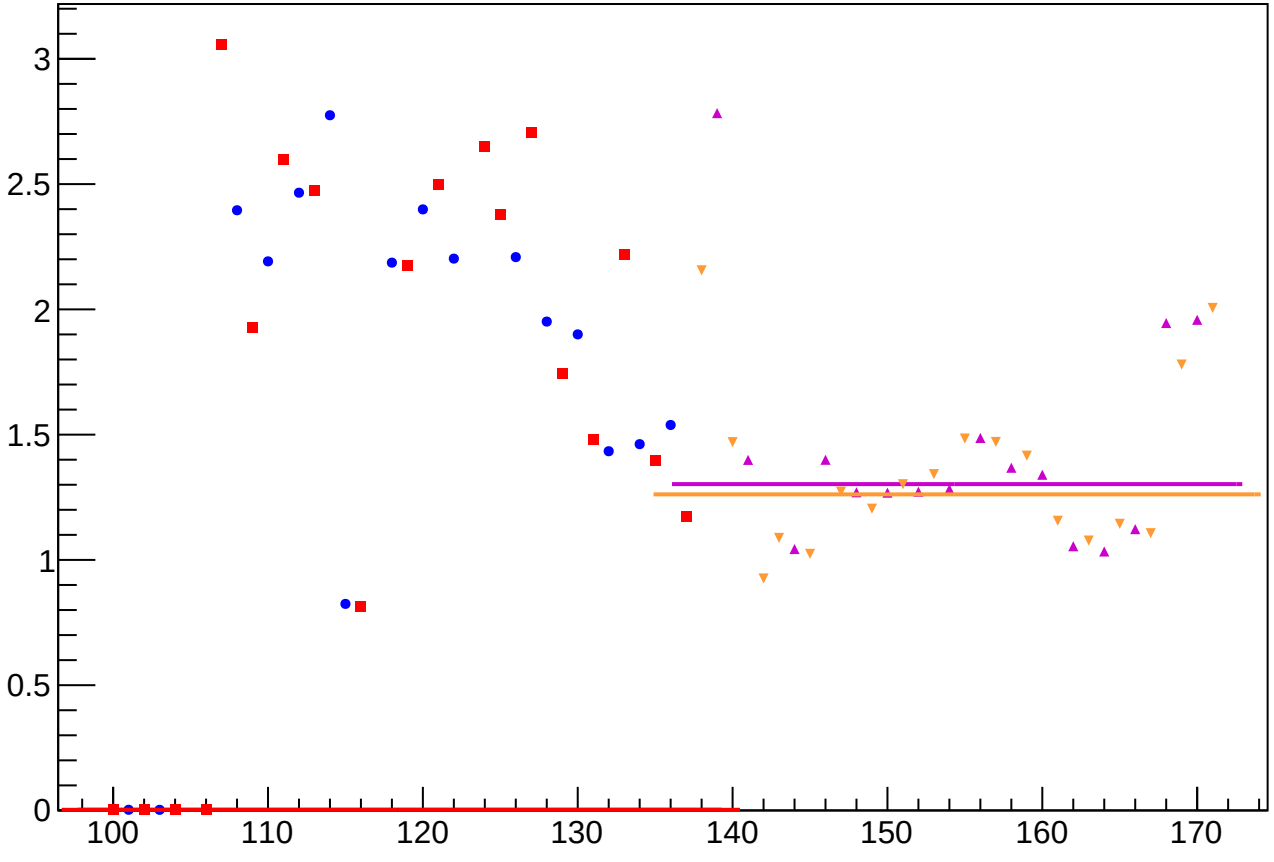
Left In: -28.386+/-0.000 χ^2/NDF:97523337.6/15

+ sign 139.330+/-0.000 χ^2/NDF: 245597541216.4/3

All: 131.813+/-0.000 χ^2/NDF: 79334339591

- sign 125.387+/-0.000 χ^2/NDF: 774317976218291

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.262+/-0.000 χ^2/NDF:897862.9/17

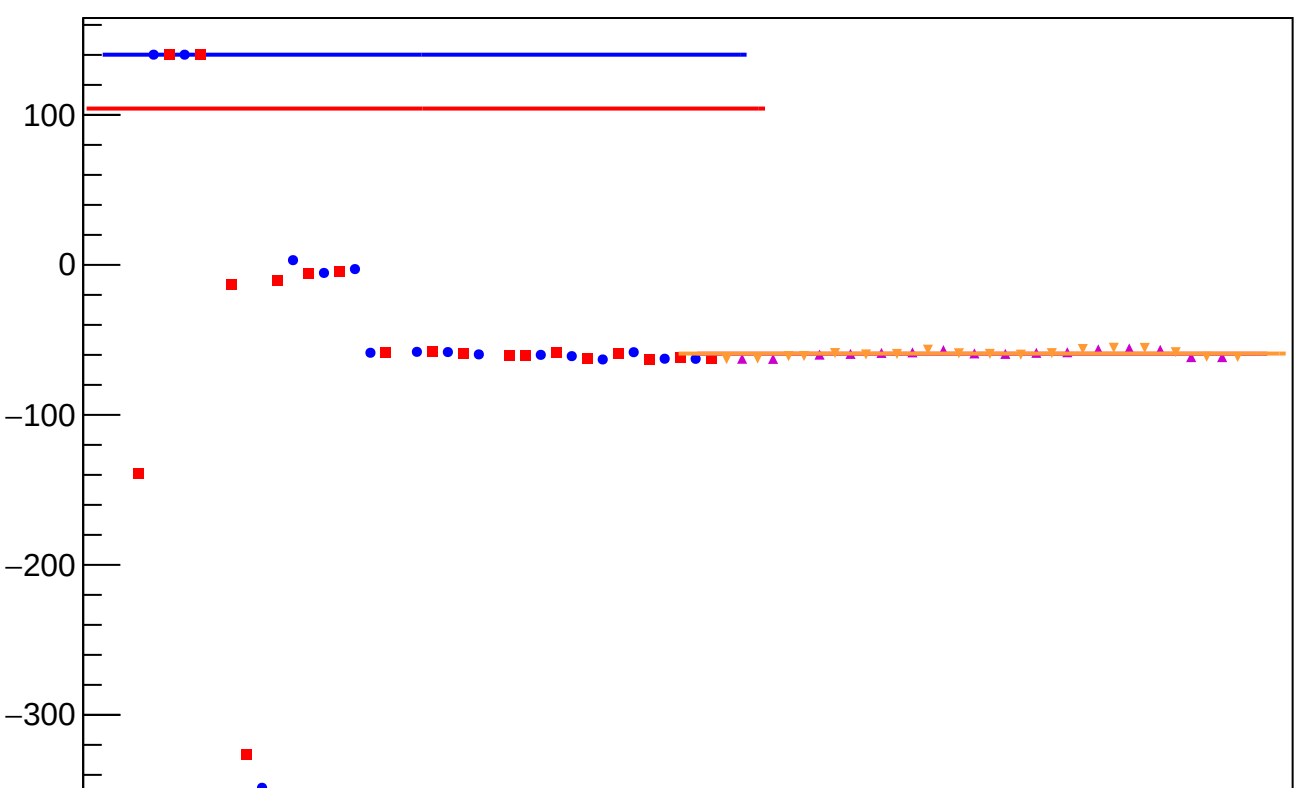
Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.303+/-0.000 χ^2/NDF:1064683.9/15

+ sign 0.003+/-0.000 χ^2/NDF: 32646923.1/33

All: 0.003+/-0.000 χ^2/NDF: 64133886.6/68

- sign 0.003+/-0.000 χ^2/NDF: 31486622.3/34



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.115+/-0.000 χ^2/NDF:142036180.5/17

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

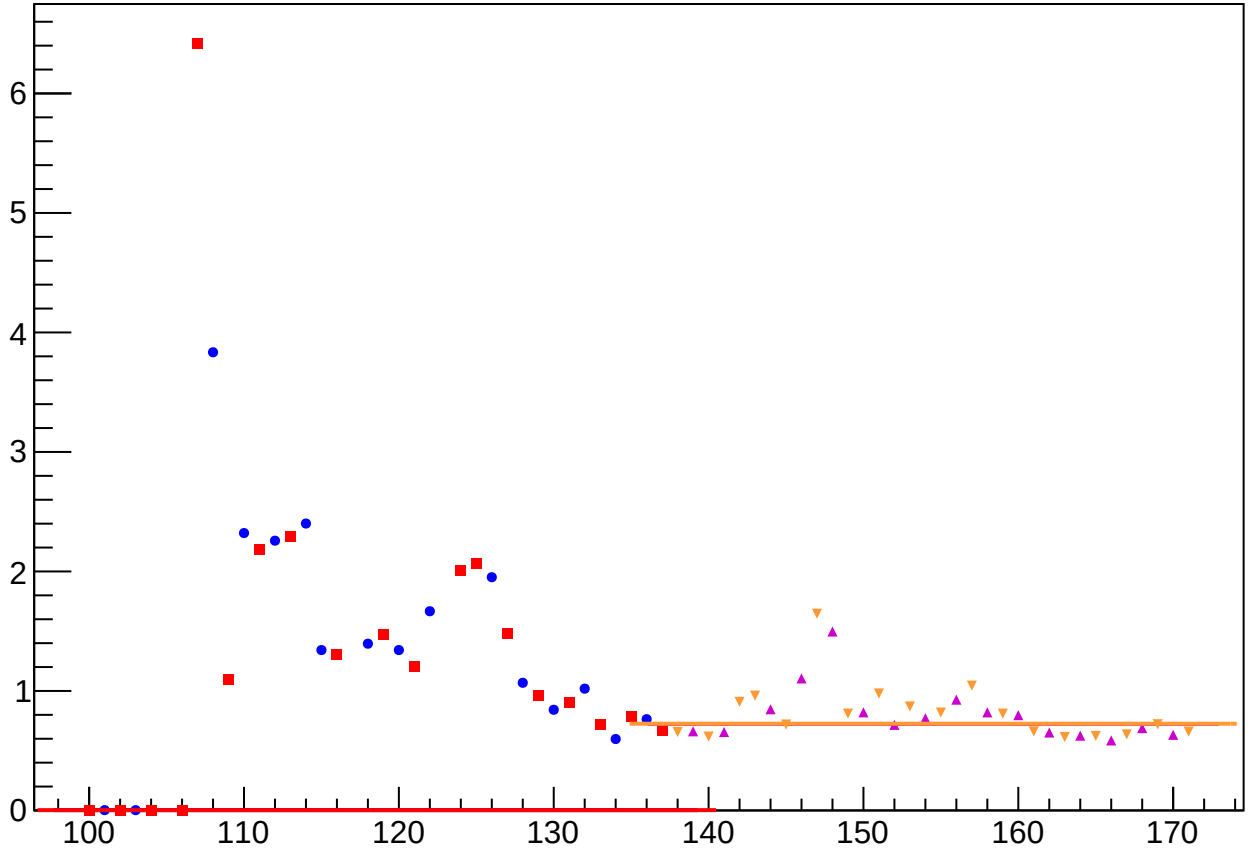
Left In: -59.258+/-0.000 χ^2/NDF:118877960.2/15

+ sign 140.119+/-0.000 χ^2/NDF: 1045464501084.4

All: 120.812+/-0.000 χ^2/NDF: 138225131303

- sign 104.208+/-0.000 χ^2/NDF: 125794235413283

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.726+/-0.000 χ^2/NDF:1028239.3/17

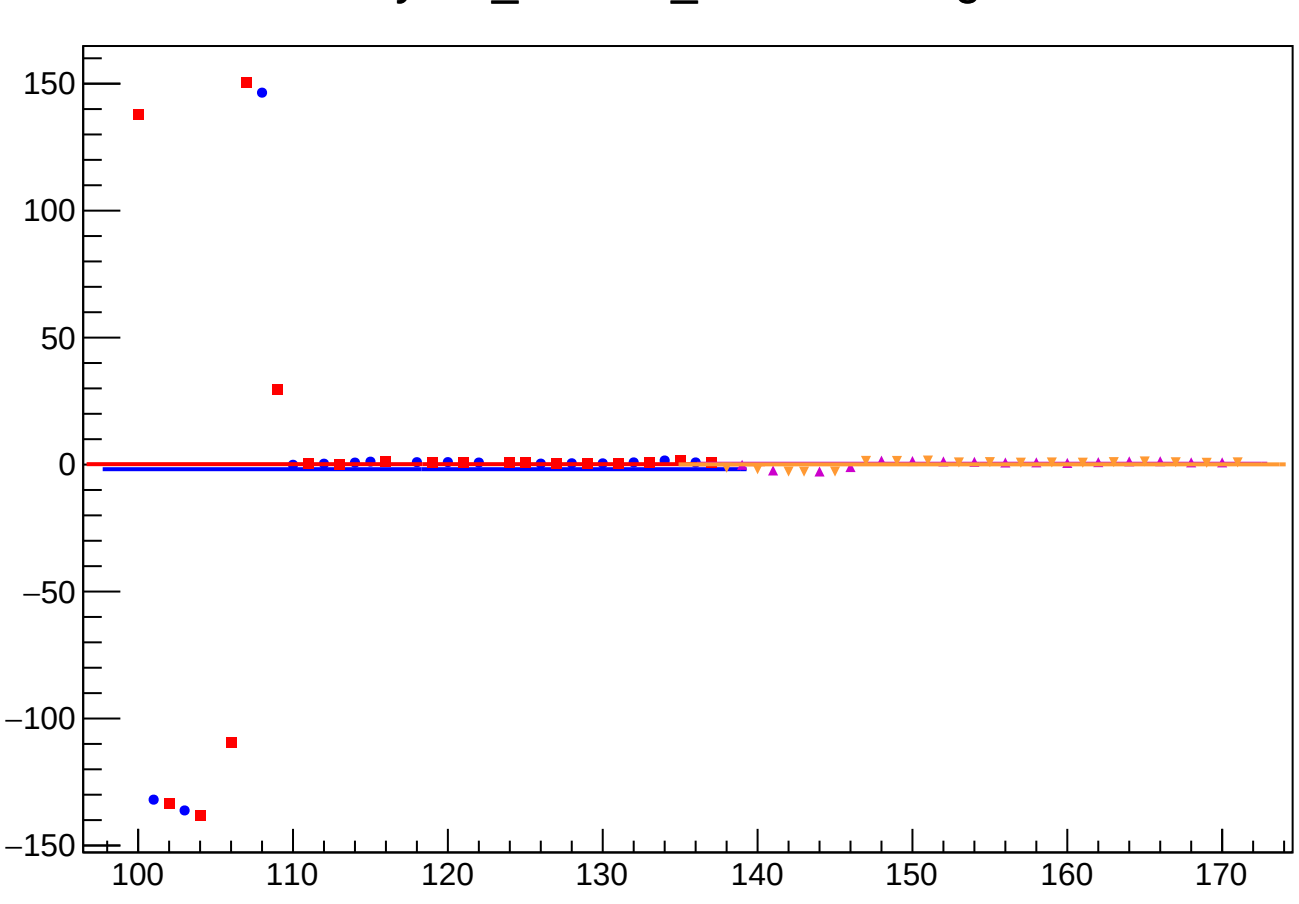
Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.723+/-0.000 χ^2/NDF:839588.9/15

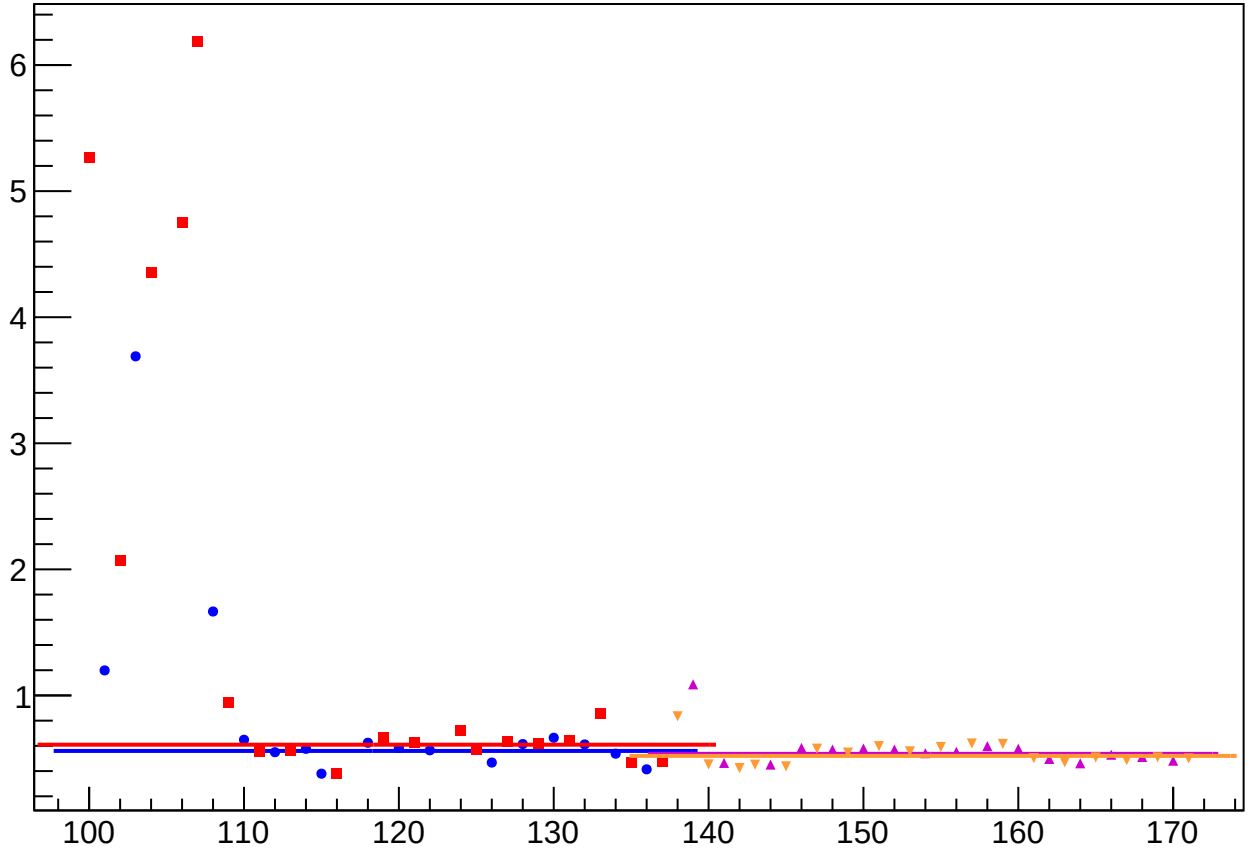
+ sign 0.003+/-0.000 χ^2/NDF: 34207827.4/33

All: 0.003+/-0.000 χ^2/NDF: 66317412.1/68

- sign 0.003+/-0.000 χ^2/NDF: 32109101.0/34


yield_cav4cX_mean vs Slug
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -1.818+/-0.000 χ²/NDF: 9887177310.2/15
Left Out: 0.089+/-0.000 χ²/NDF:100281595.2/17
Right Out: 0.165+/-0.000 χ²/NDF: 3611245020.0/18
Left In: 0.342+/-0.000 χ²/NDF:70201101.5/15
+ sign -0.441+/-0.000 χ²/NDF: 10029791587.1/33
All: -0.100+/-0.000 χ²/NDF: 13726126705.7/
- sign 0.295+/-0.000 χ²/NDF: 3681755653.8/34

yield_cav4cX_rms vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.520+/-0.000 χ^2/NDF:477591.6/17

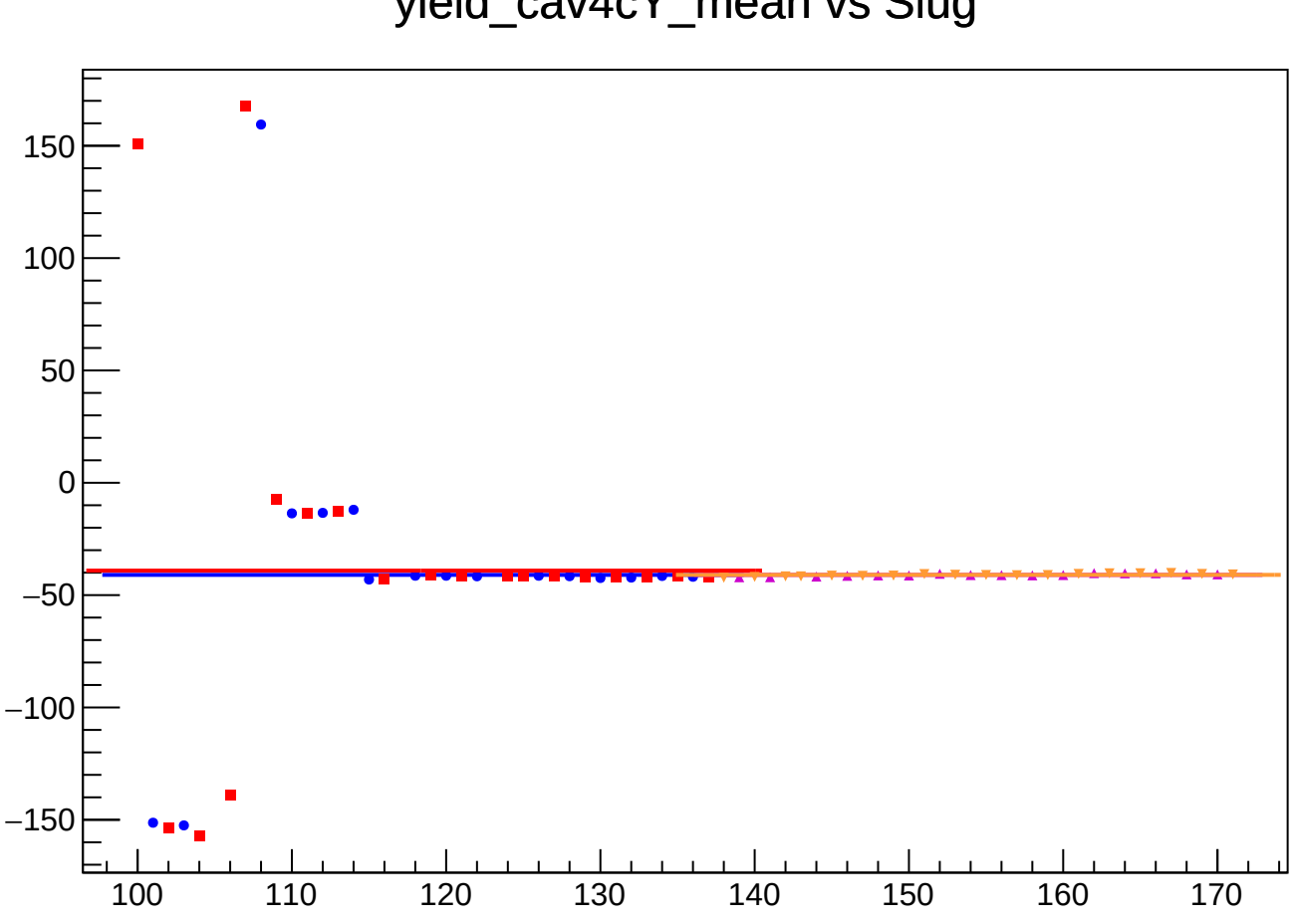
Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.537+/-0.000 χ^2/NDF:614557.6/15

+ sign 0.531+/-0.000 χ^2/NDF: 2112163.7/33

All: 0.543+/-0.000 χ^2/NDF: 5339182.1/68

- sign 0.556+/-0.000 χ^2/NDF: 3194368.8/34



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.991+/-0.000 χ^2/NDF:31141870.1/17

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

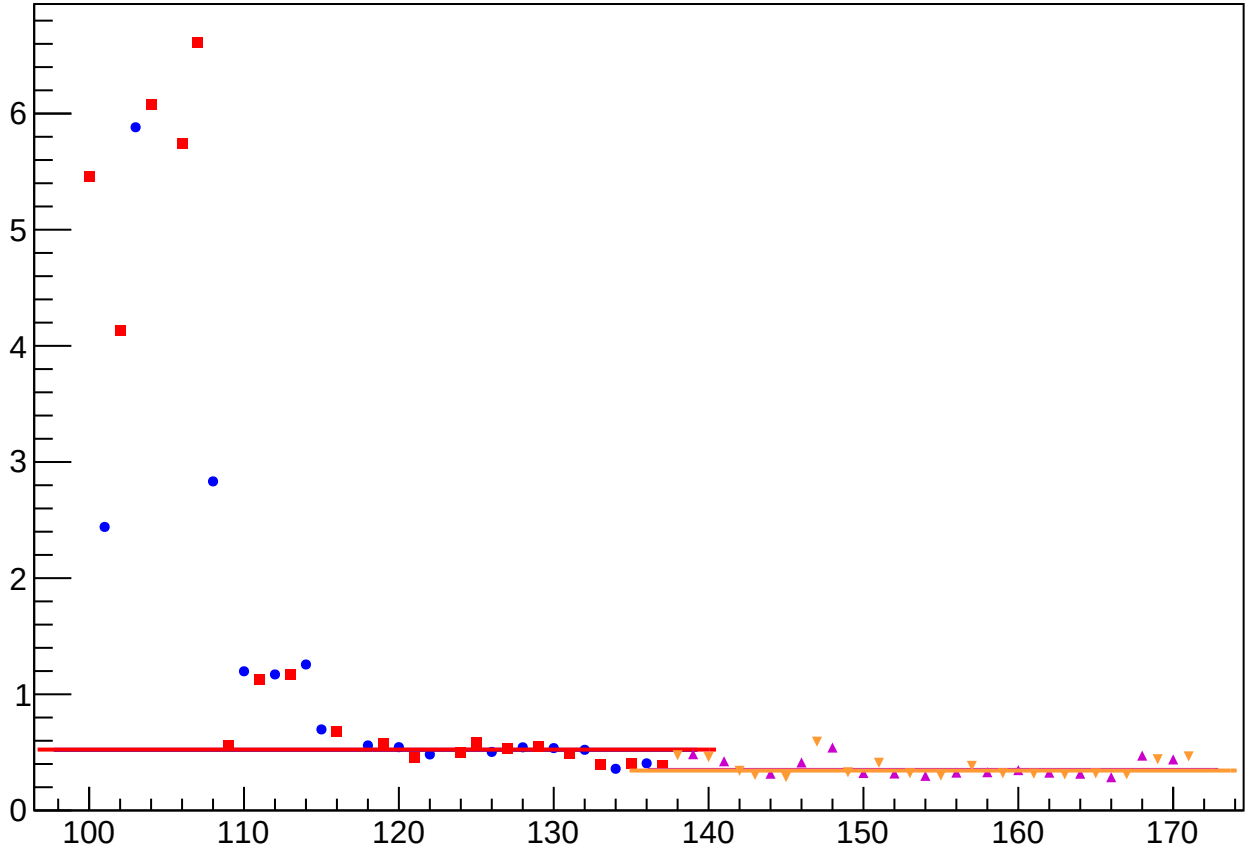
Left In: -41.006+/-0.000 χ^2/NDF:27657354.7/15

+ sign -40.990+/-0.000 χ^2/NDF: 3480764163.3/33

All: -40.859+/-0.000 χ^2/NDF: 6048270769.9/

- sign -40.715+/-0.000 χ^2/NDF: 2562848949.3/34

yield_cav4cY_rms vs Slug



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.344+/-0.000 χ^2/NDF:909369.1/17

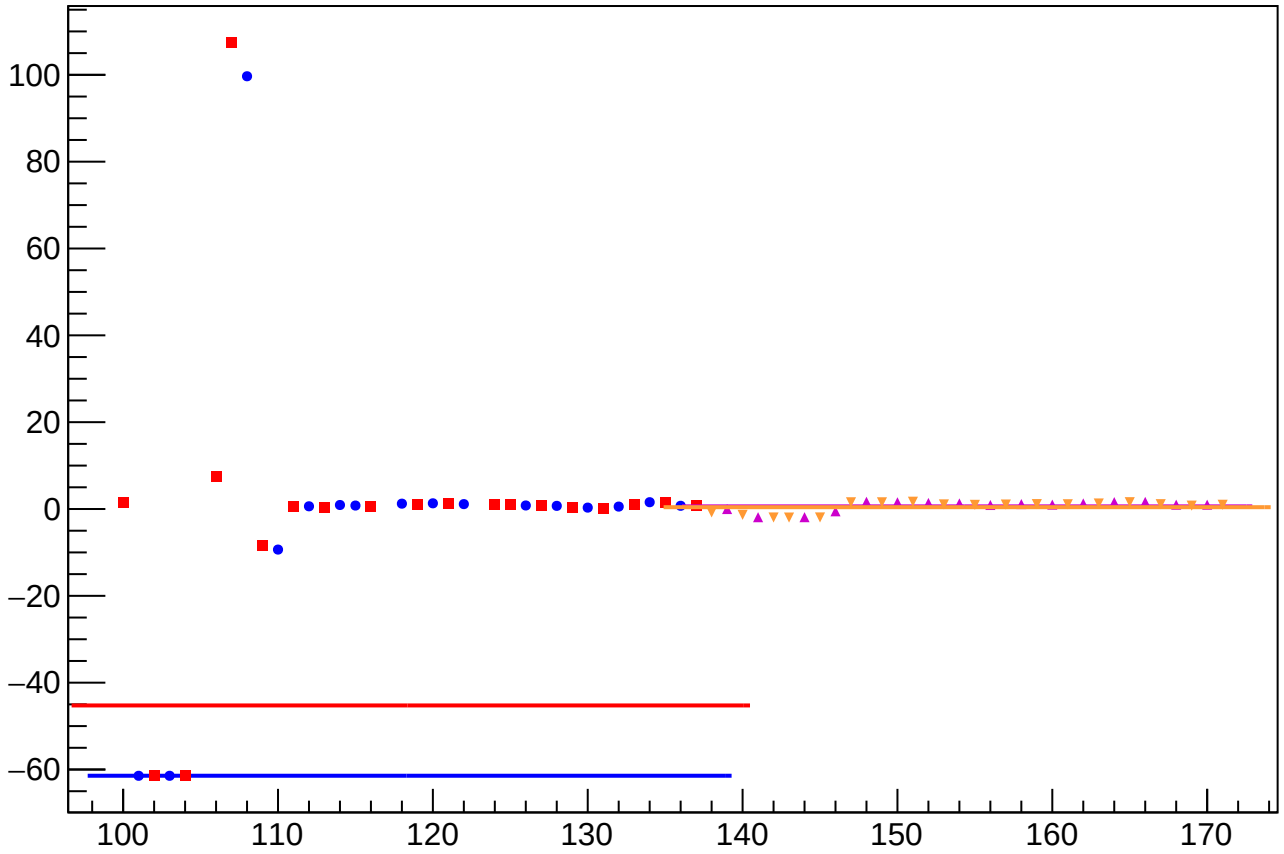
Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.349+/-0.000 χ^2/NDF:759894.0/15

+ sign 0.369+/-0.000 χ^2/NDF: 4864984.5/33

All: 0.372+/-0.000 χ^2/NDF: 9824602.0/68

- sign 0.376+/-0.000 χ^2/NDF: 4954480.1/34



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.418+/-0.000 χ^2/NDF:102092732.8/17

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

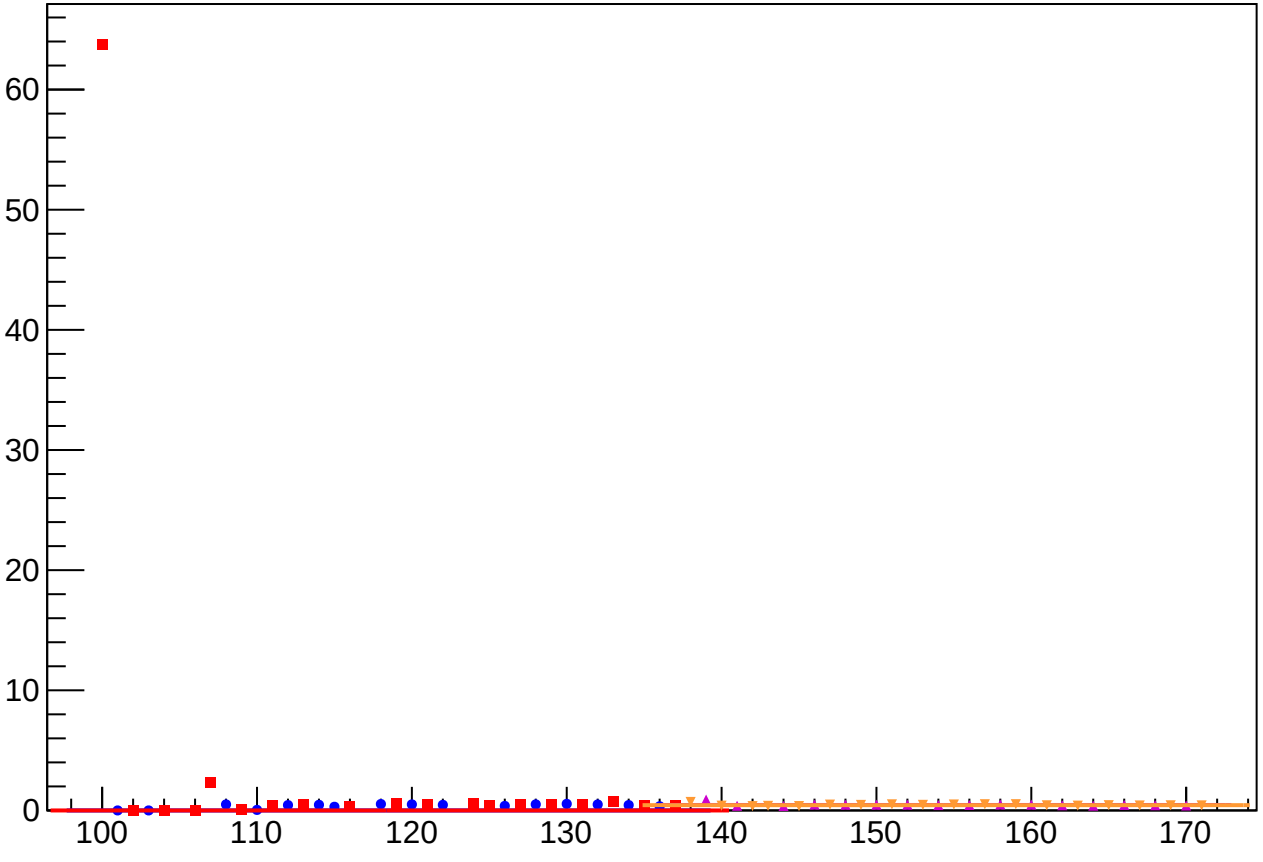
Left In: 0.610+/-0.000 χ^2/NDF:77245913.3/15

+ sign -61.426+/-0.000 χ^2/NDF: 498199120822.1/3

All: -52.742+/-0.000 χ^2/NDF: 409433914401

- sign -45.239+/-0.000 χ^2/NDF: 357978133395954.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.440+/-0.000 χ^2/NDF:465668.8/17

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

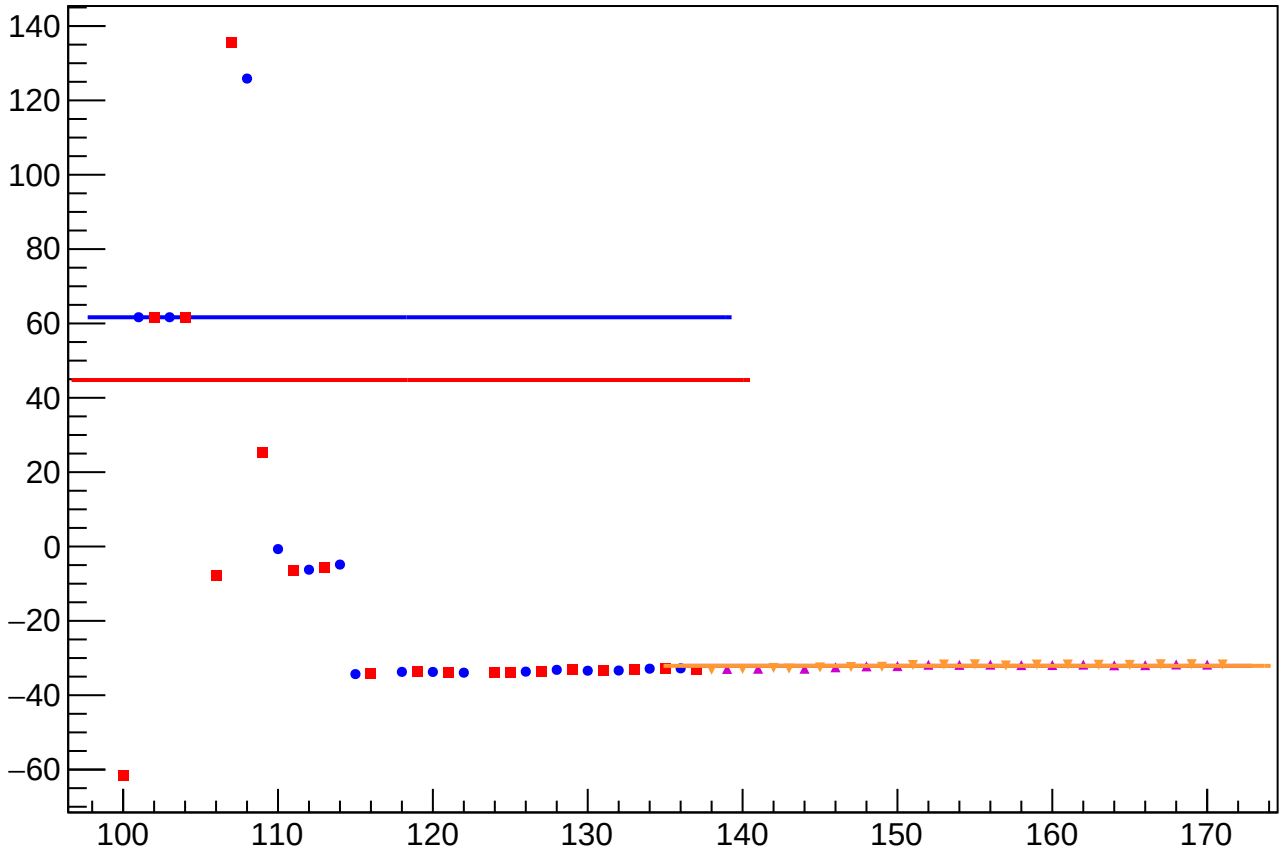
Left In: 0.455+/-0.000 χ^2/NDF:584696.1/15

+ sign 0.002+/-0.000 χ^2/NDF: 32239382.5/33

All: 0.002+/-0.000 χ^2/NDF: 63269998.9/68

- sign 0.002+/-0.000 χ^2/NDF: 31030489.4/34

yield_cav4dY_mean vs Slug



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.100+/-0.000 χ^2/NDF:36985880.6/17

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

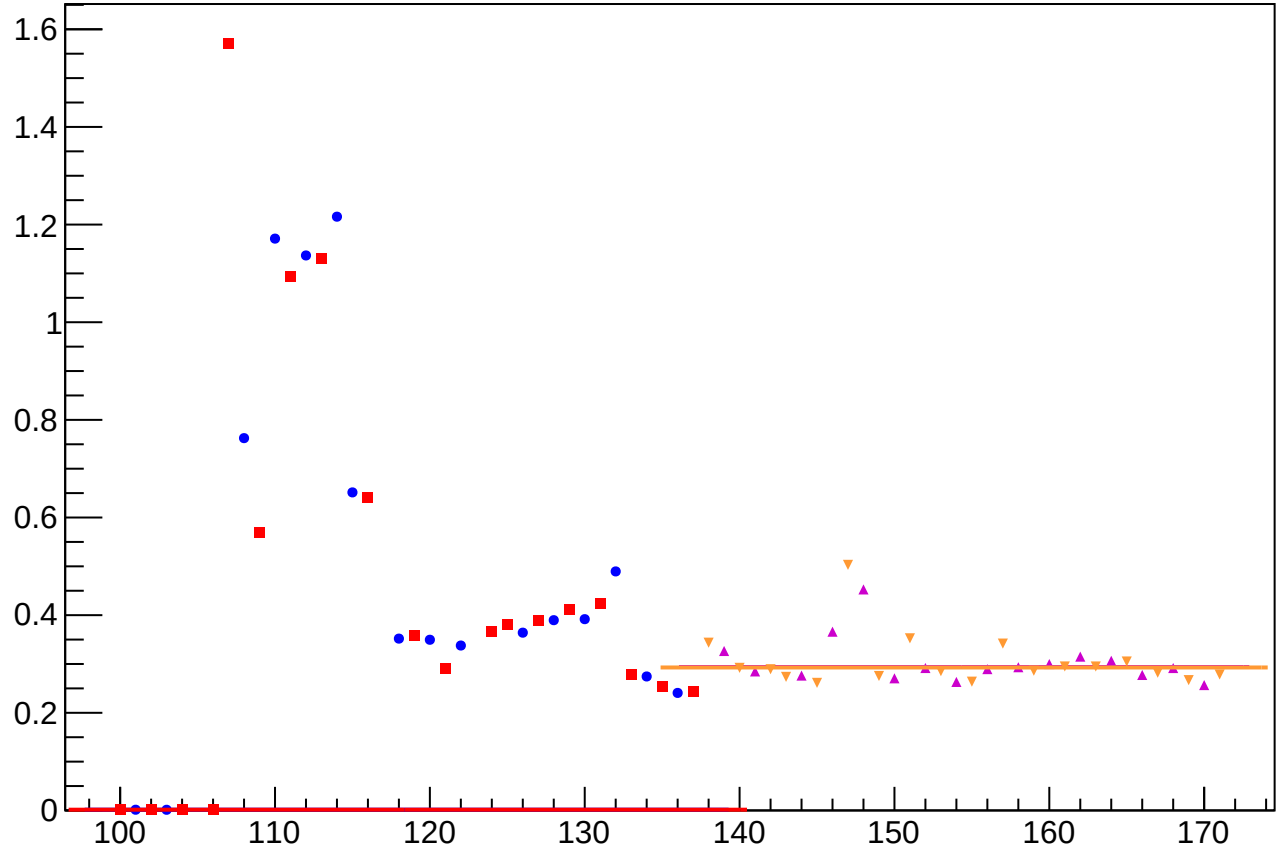
Left In: -32.099+/-0.000 χ^2/NDF:26811500.2/15

+ sign 61.618+/-0.000 χ^2/NDF: 1751311290757.3/3

All: 52.653+/-0.000 χ^2/NDF: 419740749736

- sign 44.756+/-0.000 χ^2/NDF: 366952116441338.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.293+/-0.000 χ^2/NDF:470546.7/17

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

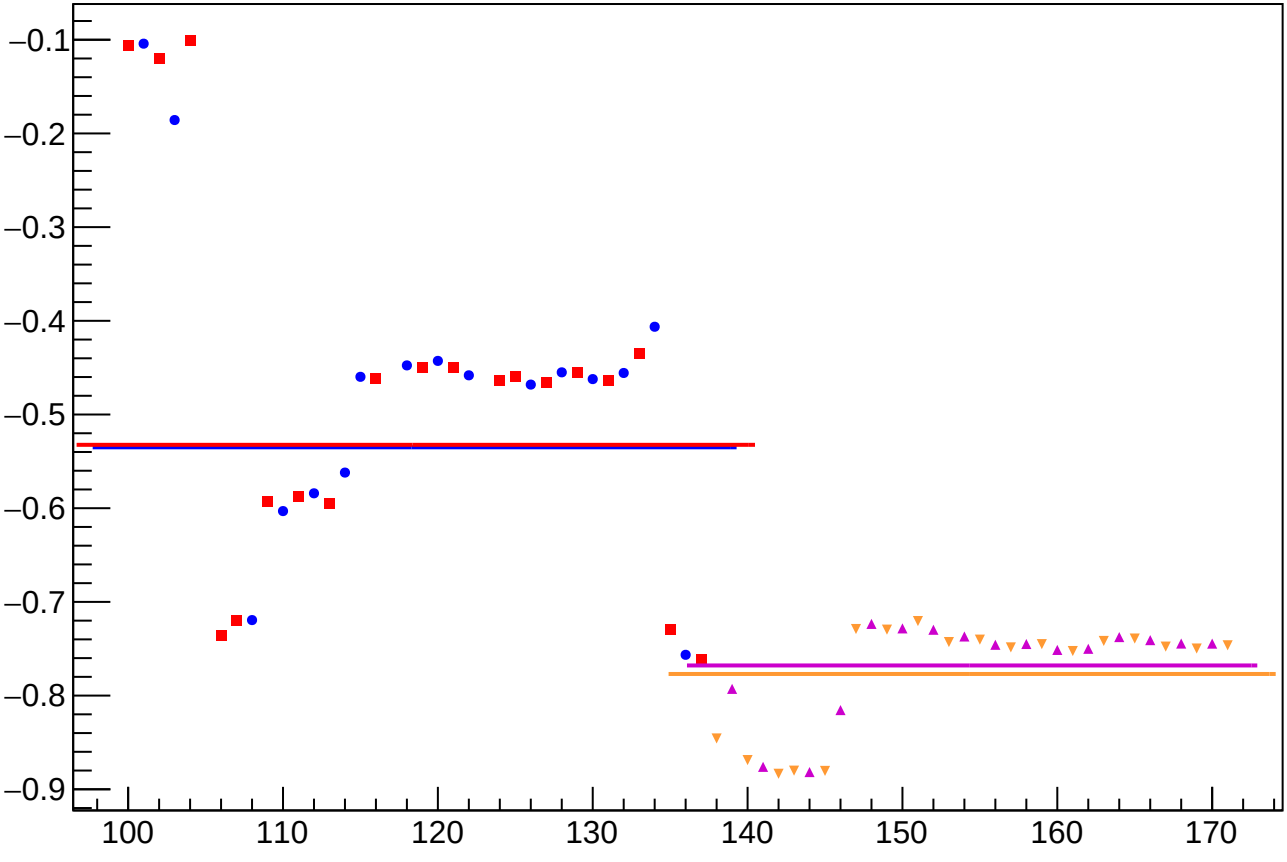
Left In: 0.294+/-0.000 χ^2/NDF:367463.3/15

+ sign 0.002+/-0.000 χ^2/NDF: 38176836.7/33

All: 0.002+/-0.000 χ^2/NDF: 73879901.5/68

- sign 0.002+/-0.000 χ^2/NDF: 35703051.1/34

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.777+/-0.000 χ^2/NDF:111280297.4/17

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

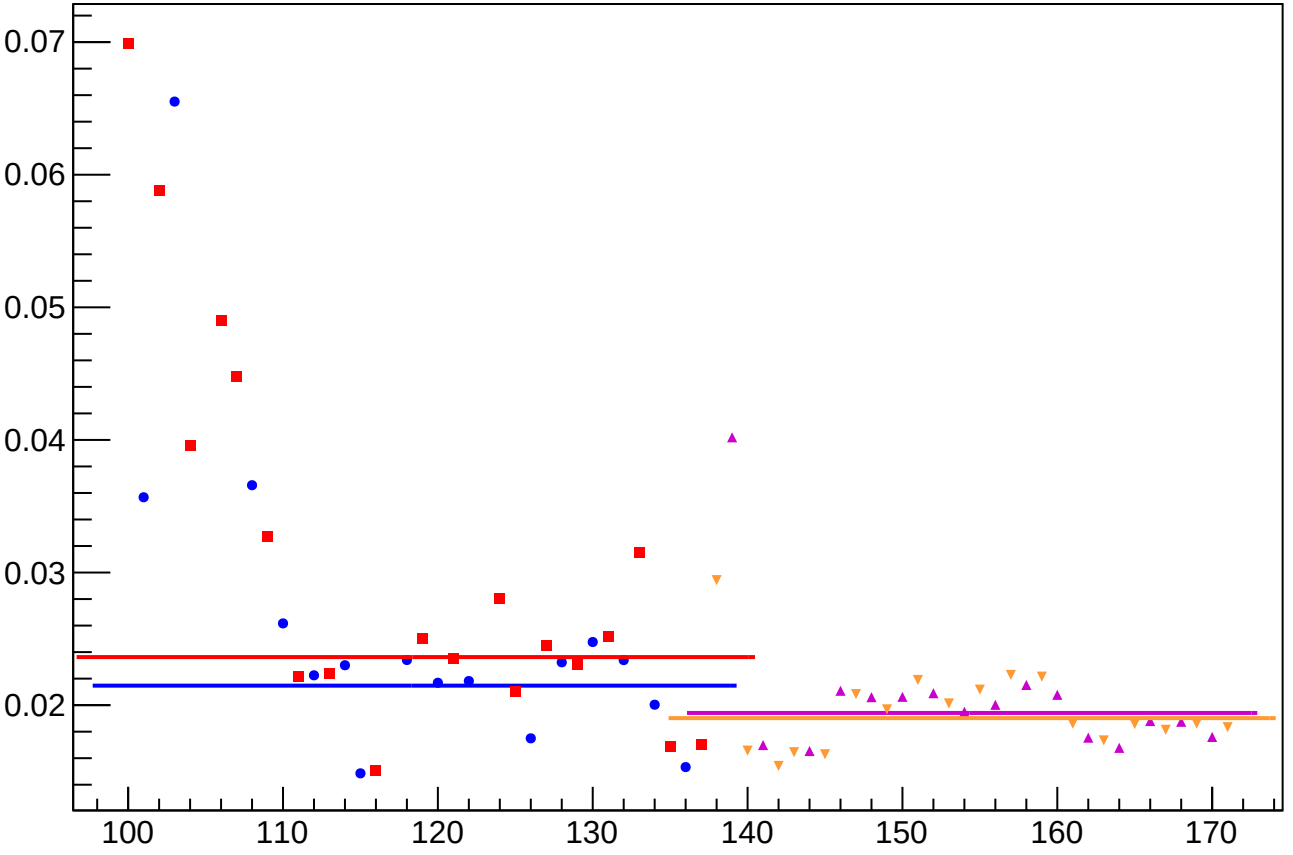
Left In: -0.768+/-0.000 χ^2/NDF:77434794.8/15

+ sign -0.712+/-0.000 χ^2/NDF: 908602076.5/33

All: -0.709+/-0.000 χ^2/NDF: 1609212810.1/6

- sign -0.706+/-0.000 χ^2/NDF: 699972626.4/34

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:412511.9/17

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

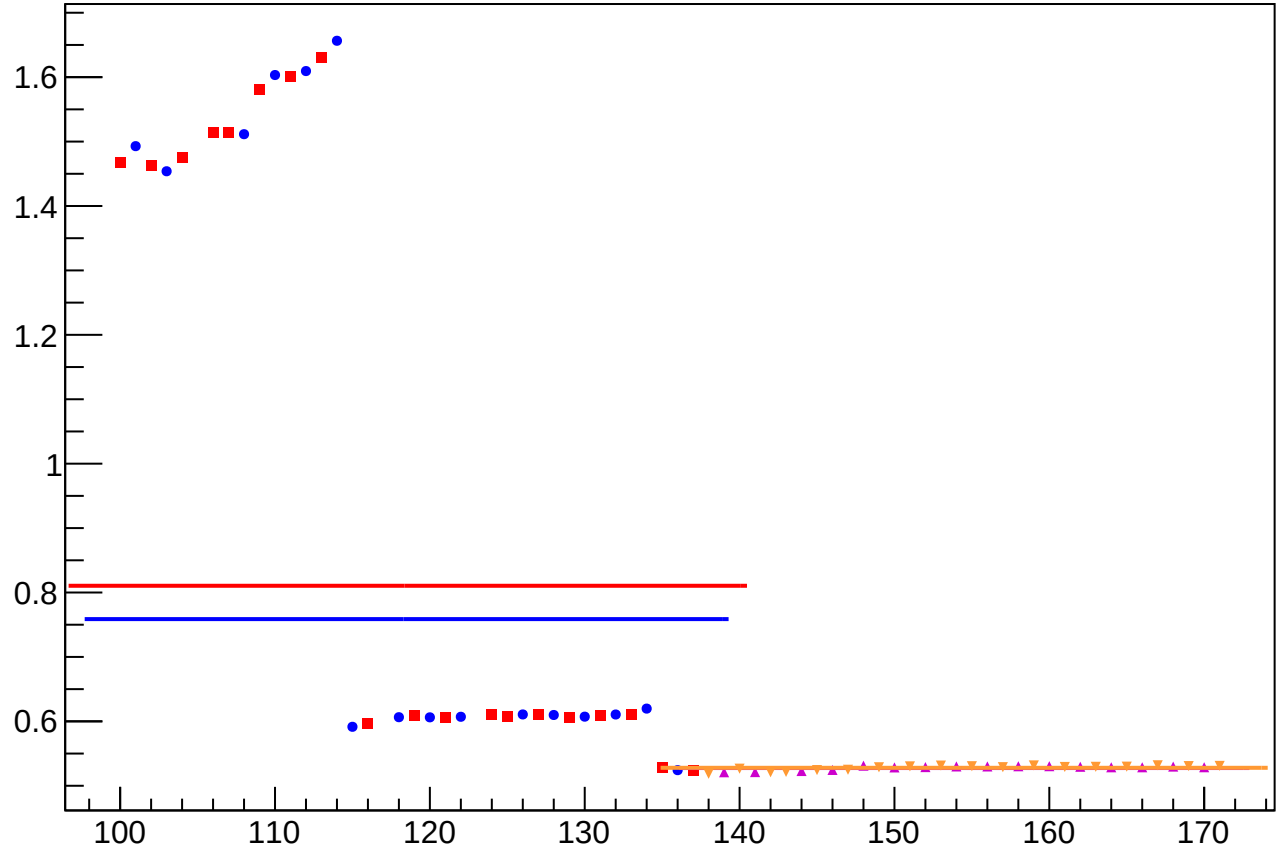
Left In: 0.019+/-0.000 χ^2/NDF:618267.1/15

+ sign 0.020+/-0.000 χ^2/NDF: 1668420.0/33

All: 0.020+/-0.000 χ^2/NDF: 3853680.5/68

- sign 0.021+/-0.000 χ^2/NDF: 2156981.1/34

yield_bpm4aY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1398331.0/17

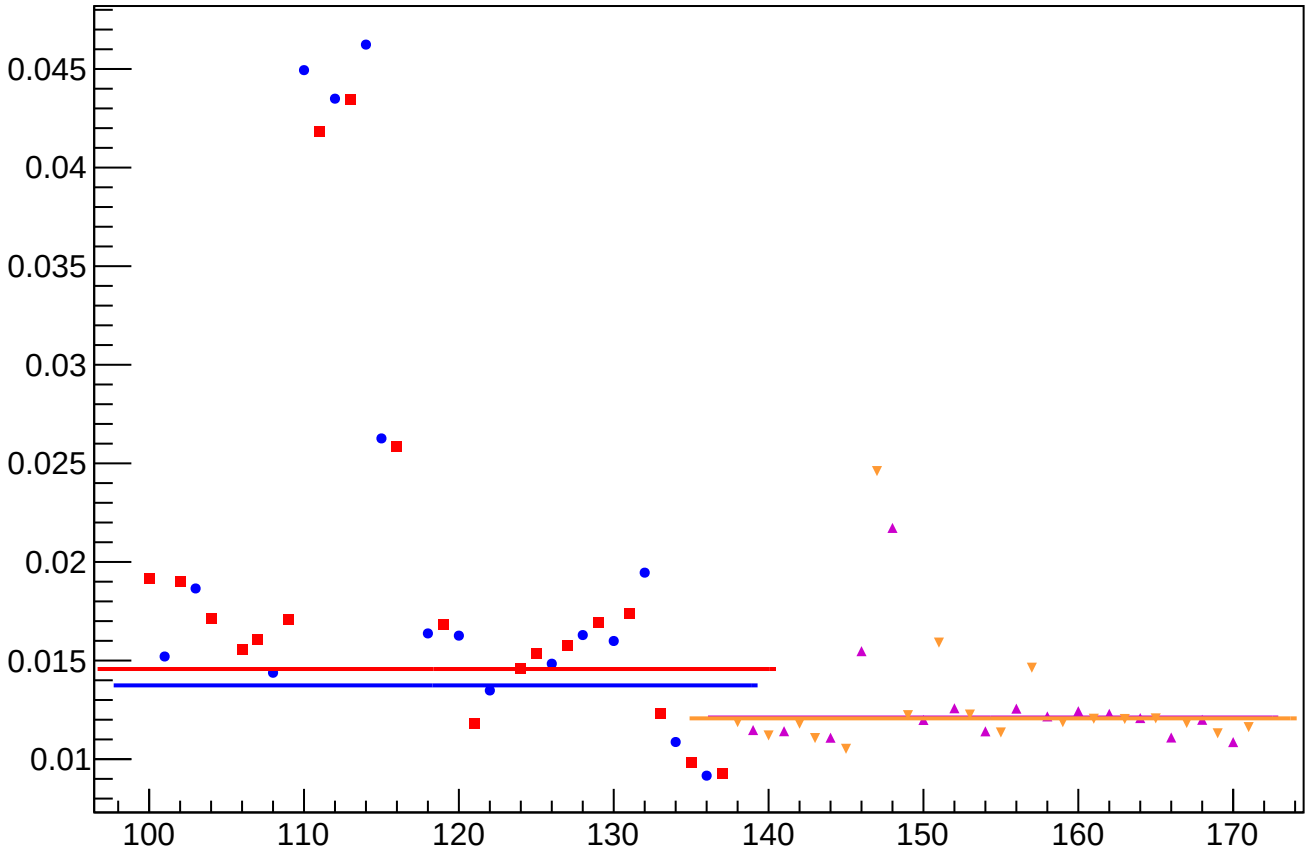
Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:977606.1/15

+ sign 0.586+/-0.000 χ^2/NDF: 5558921263.6/33

All: 0.593+/-0.000 χ^2/NDF: 12091373626.2/6

- sign 0.600+/-0.000 χ^2/NDF: 6521975387.9/34



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:626170.2/17

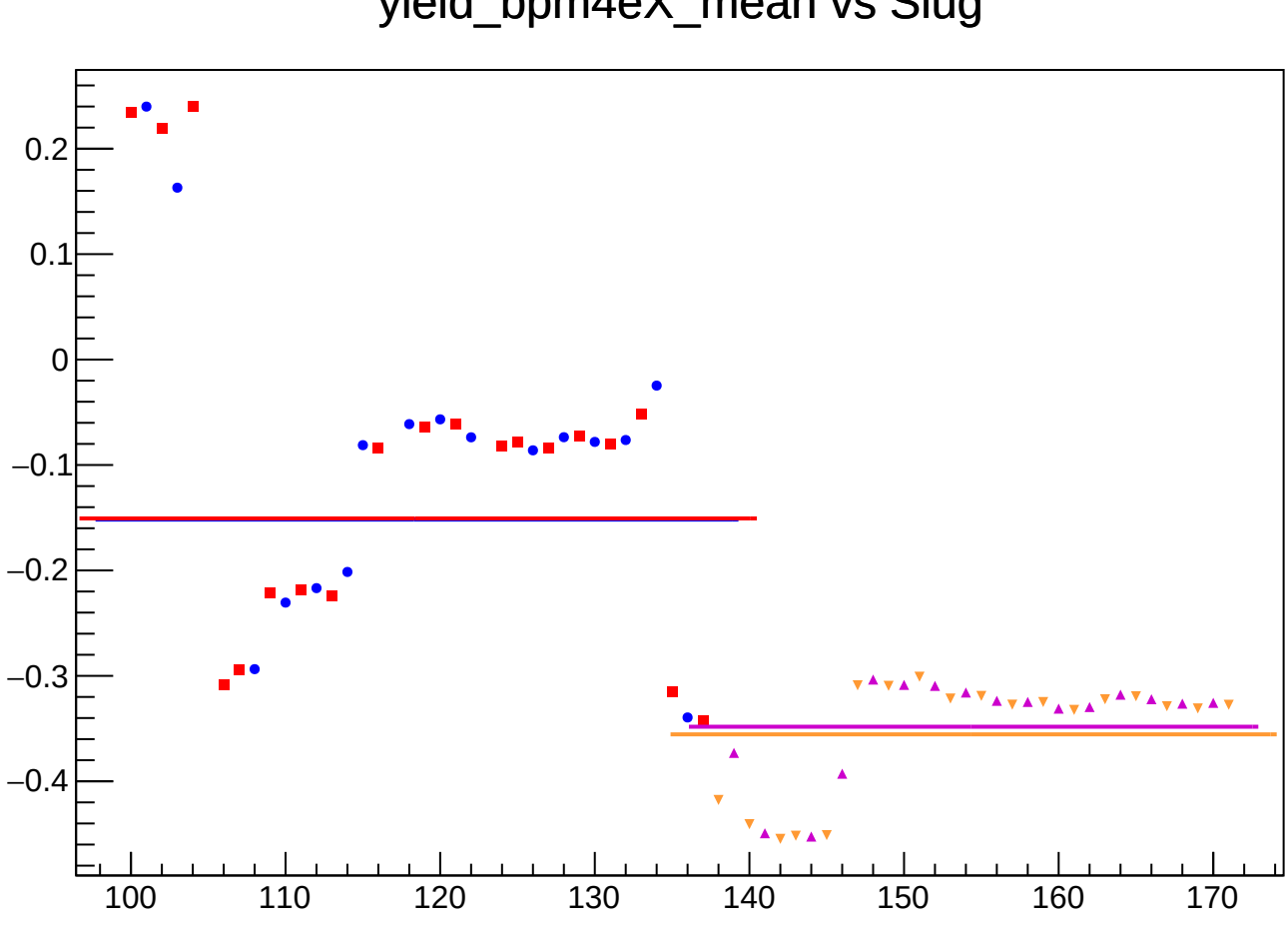
Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:453091.0/15

+ sign 0.012+/-0.000 χ^2/NDF: 2407476.6/33

All: 0.013+/-0.000 χ^2/NDF: 4587431.6/68

- sign 0.013+/-0.000 χ^2/NDF: 2172648.7/34



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.355+/-0.000 χ^2/NDF:107364285.2/17

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

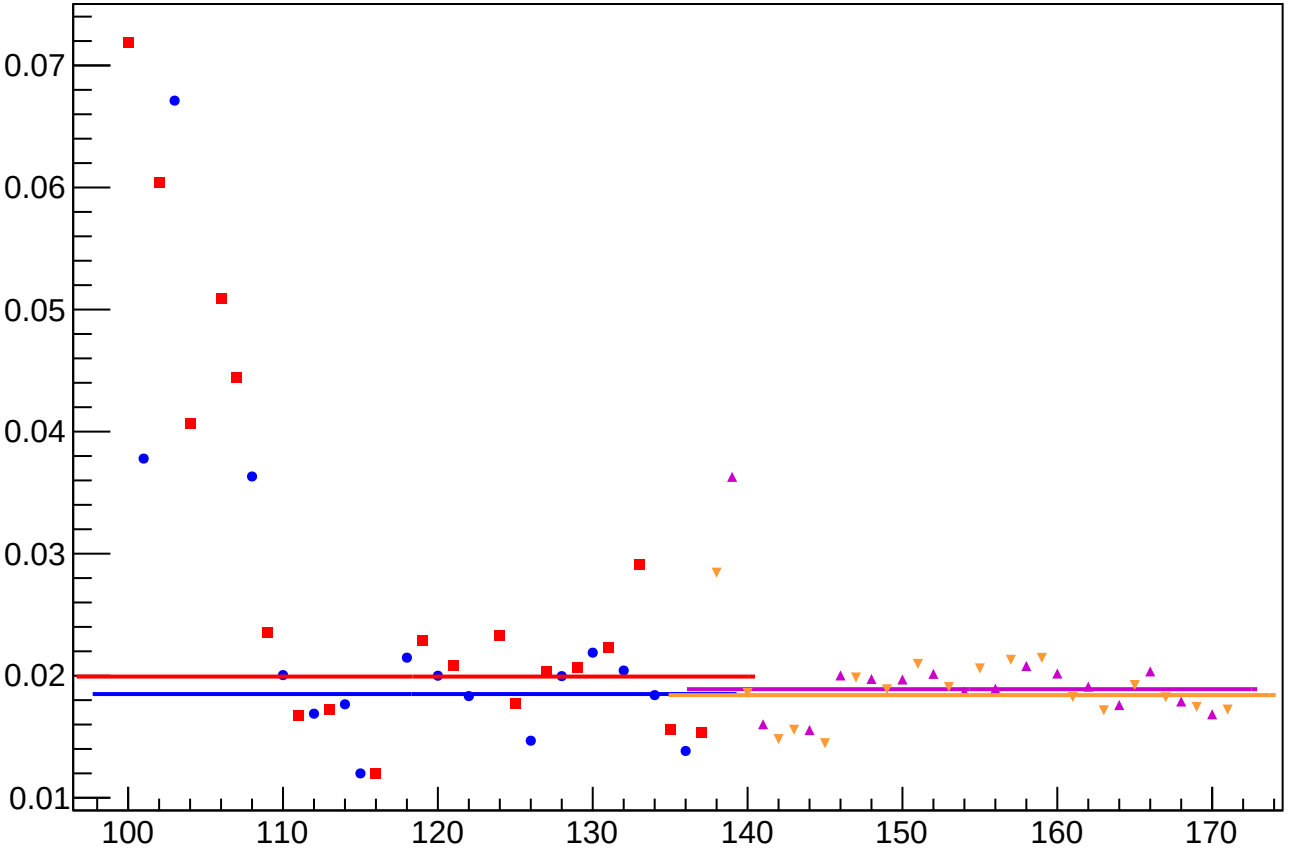
Left In: -0.348+/-0.000 χ^2/NDF:77938729.2/15

+ sign -0.292+/-0.000 χ^2/NDF: 823547456.7/33

All: -0.289+/-0.000 χ^2/NDF: 1468426823.9/6

- sign -0.286+/-0.000 χ^2/NDF: 644150087.0/34

yield_bpm4eX_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:447988.6/17

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

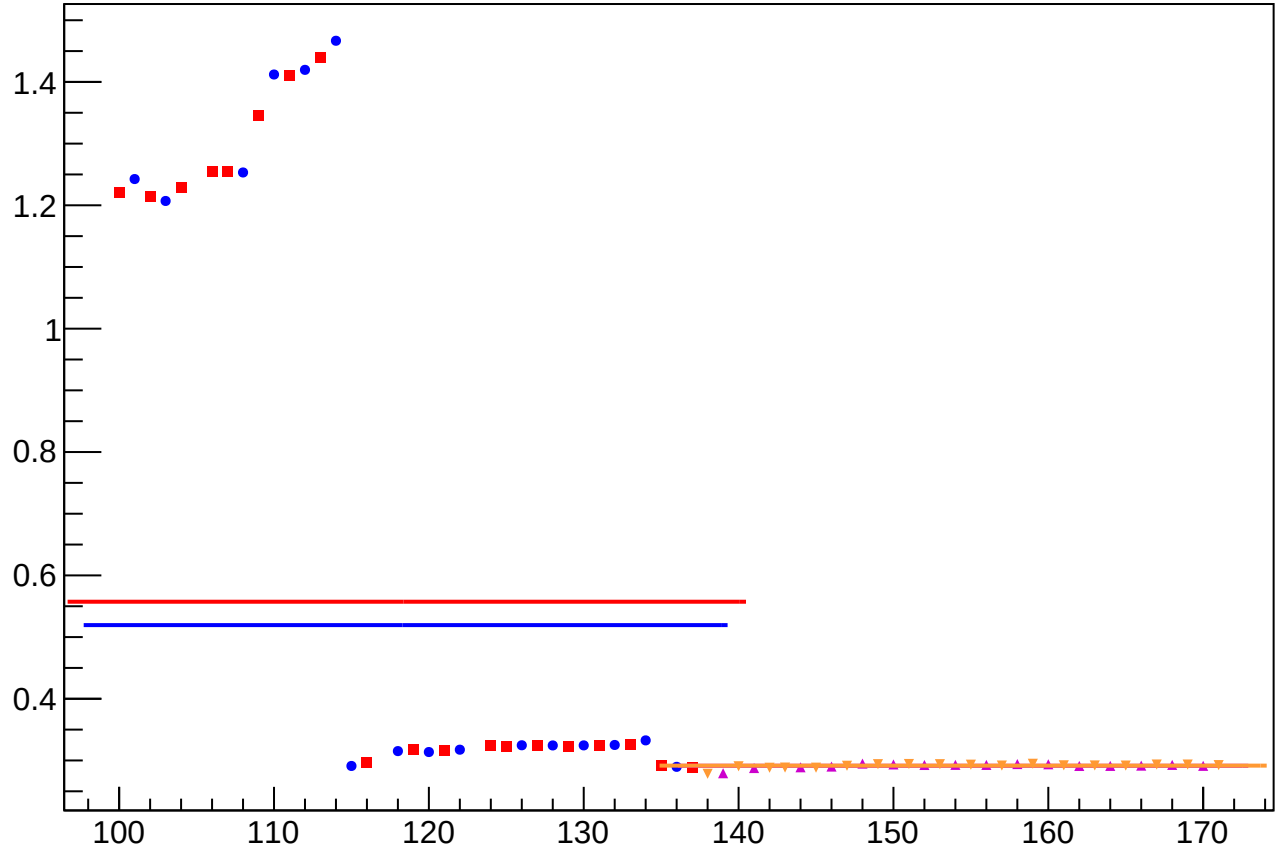
Left In: 0.019+/-0.000 χ^2/NDF:557168.1/15

+ sign 0.018+/-0.000 χ^2/NDF: 1820505.1/33

All: 0.019+/-0.000 χ^2/NDF: 3973723.9/68

- sign 0.019+/-0.000 χ^2/NDF: 2124798.7/34

yield_bpm4eY_mean vs Slug



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1201322.4/17

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

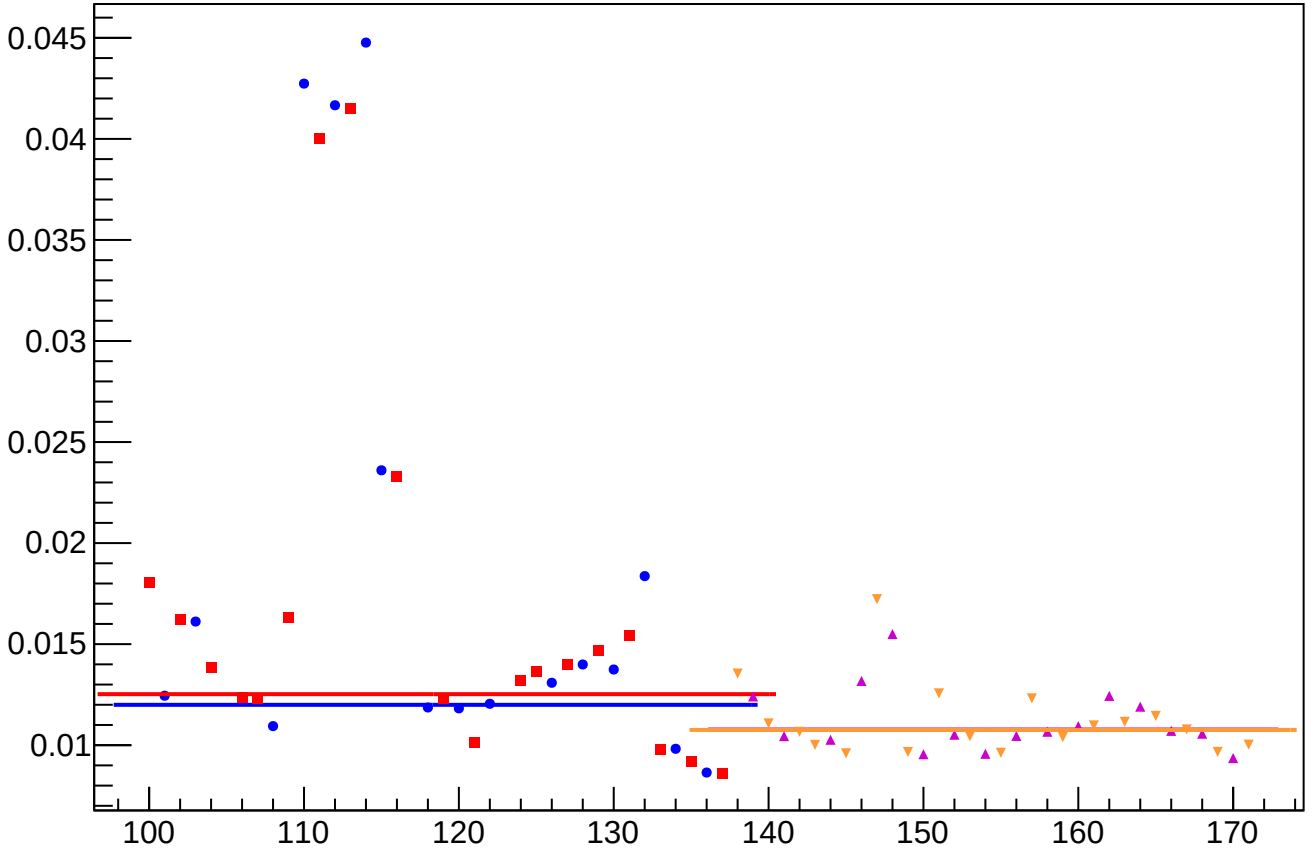
Left In: 0.291+/-0.000 χ^2/NDF:1186096.5/15

+ sign 0.351+/-0.000 χ^2/NDF: 7905446713.4/33

All: 0.357+/-0.000 χ^2/NDF: 16688188196.1/6

- sign 0.362+/-0.000 χ^2/NDF: 8774028559.4/34

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:460764.9/17

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

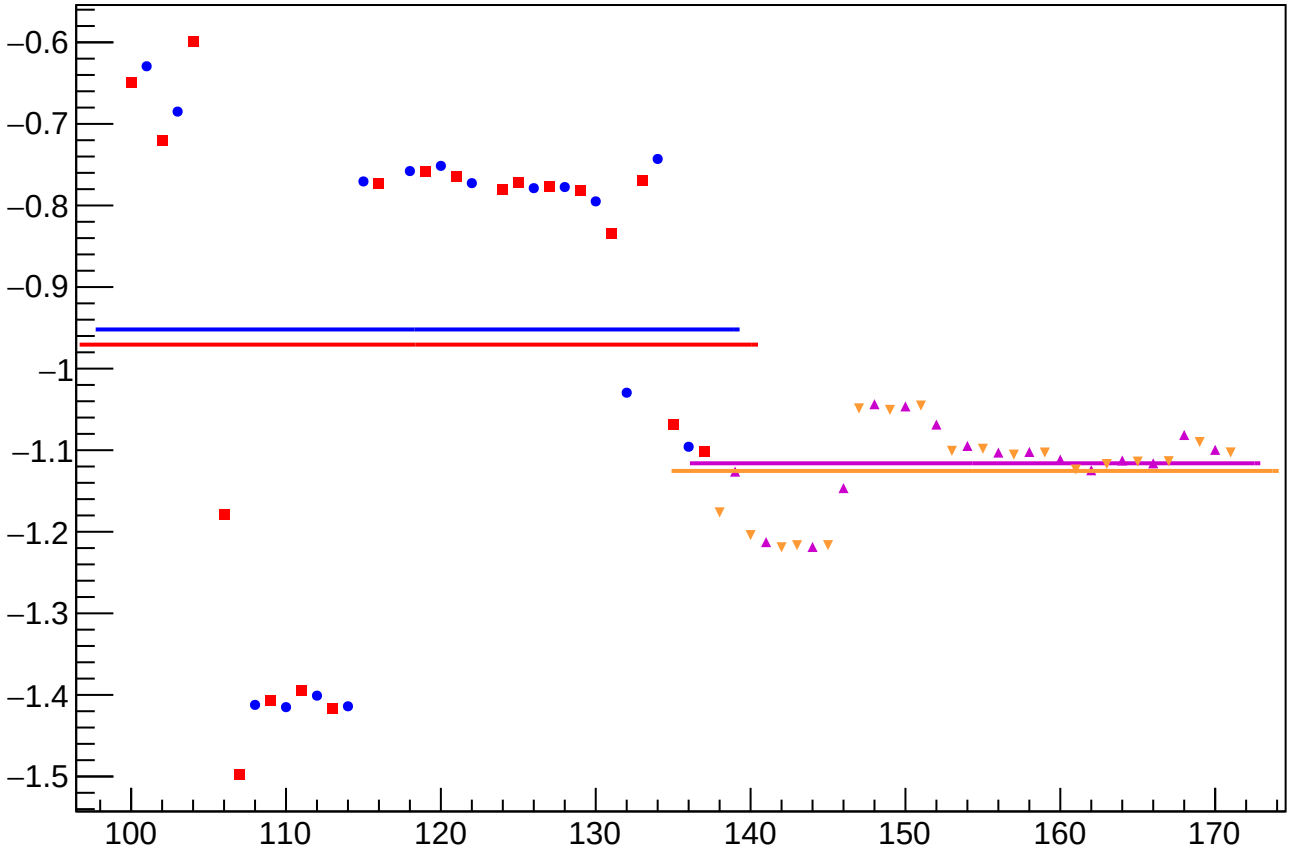
Left In: 0.011+/-0.000 χ^2/NDF:370960.3/15

+ sign 0.011+/-0.000 χ^2/NDF: 2046665.1/33

All: 0.011+/-0.000 χ^2/NDF: 4031107.9/68

- sign 0.011+/-0.000 χ^2/NDF: 1980529.5/34

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.125+/-0.000 χ^2/NDF:102334581.9/17

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

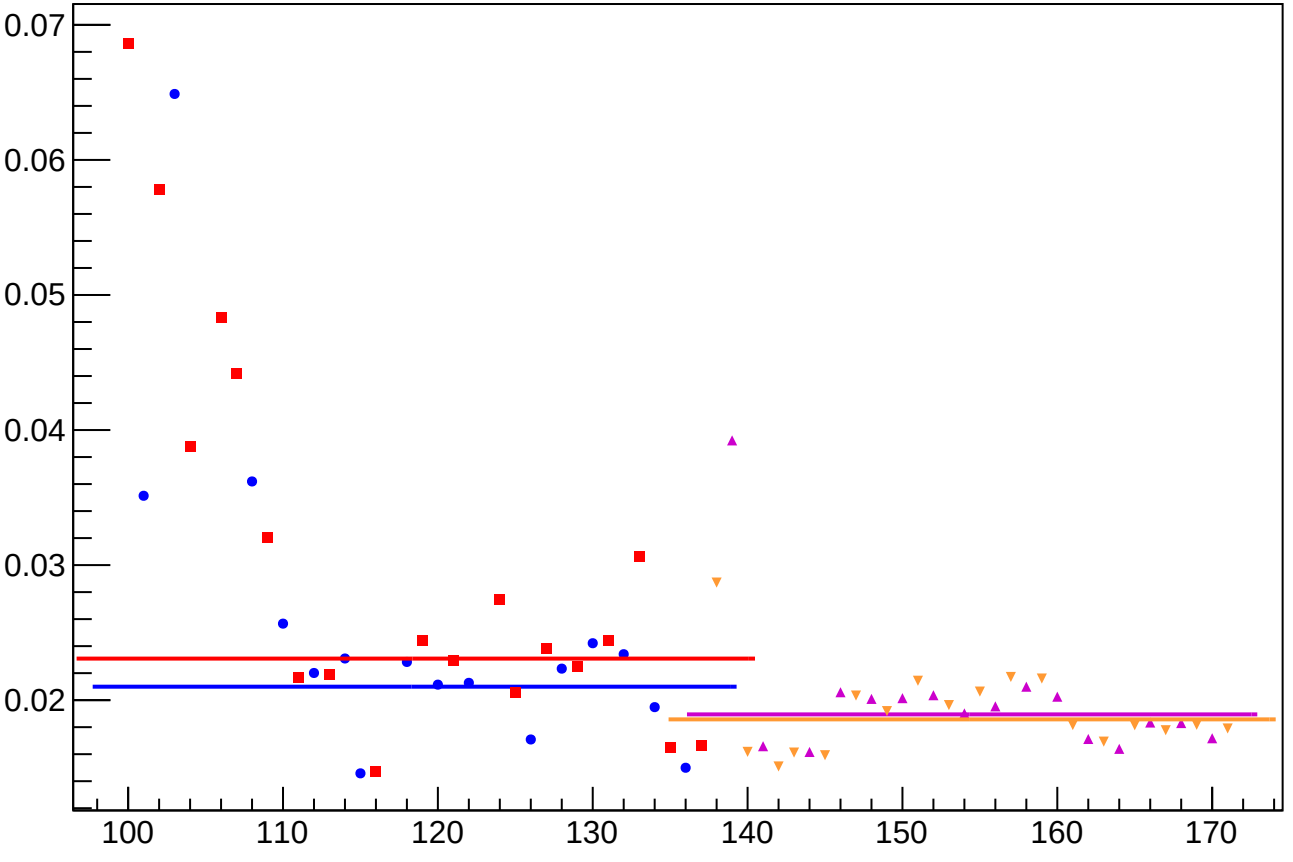
Left In: -1.116+/-0.000 χ^2/NDF:75283376.5/15

\+ sign -1.079+/-0.000 χ^2/NDF: 1068507553.2/33

All: -1.078+/-0.000 χ^2/NDF: 2021303409.6/6

\- sign -1.078+/-0.000 χ^2/NDF: 952783790.8/34

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:408658.7/17

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

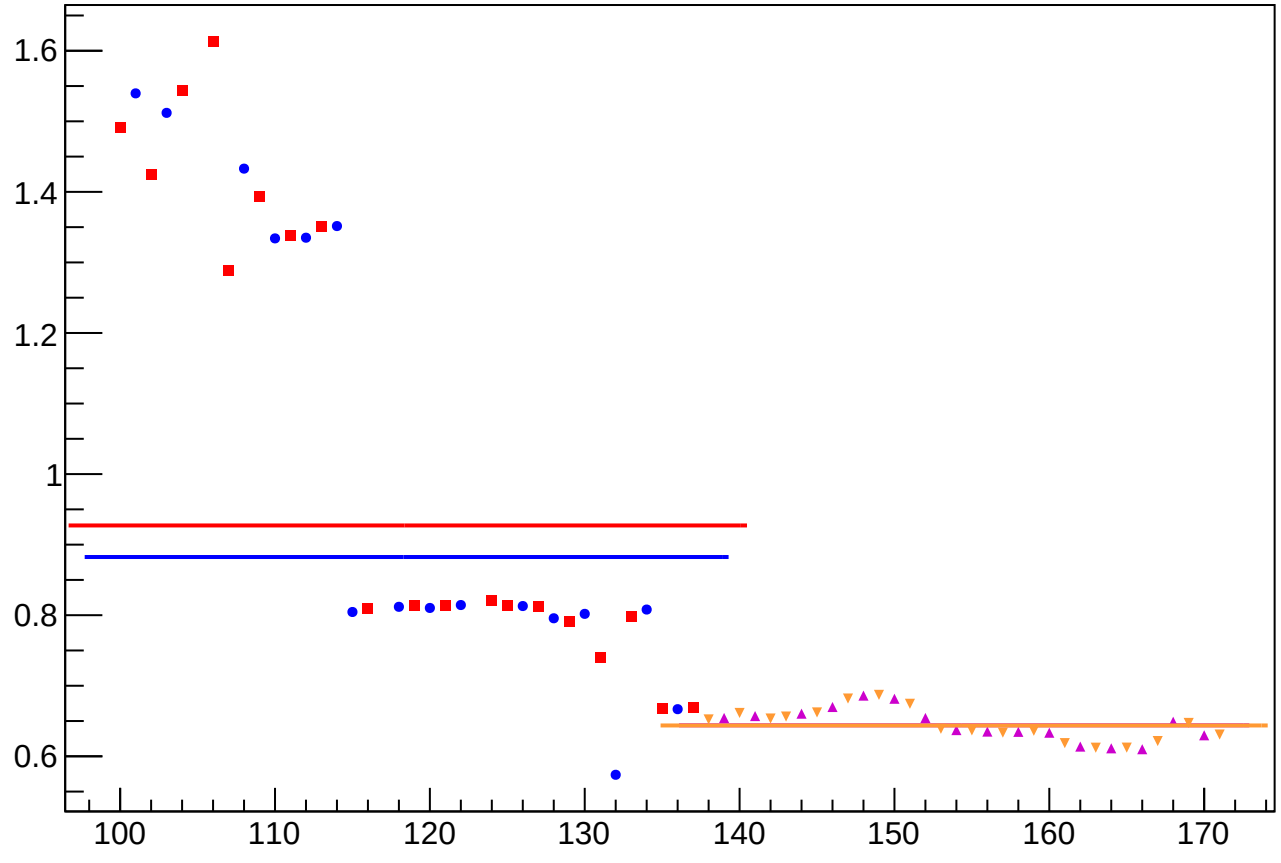
Left In: 0.019+/-0.000 χ^2/NDF:616638.2/15

+ sign 0.019+/-0.000 χ^2/NDF: 1679545.7/33

All: 0.020+/-0.000 χ^2/NDF: 3867422.1/68

- sign 0.020+/-0.000 χ^2/NDF: 2160866.6/34

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.644+/-0.000 χ^2/NDF:39326047.5/17

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

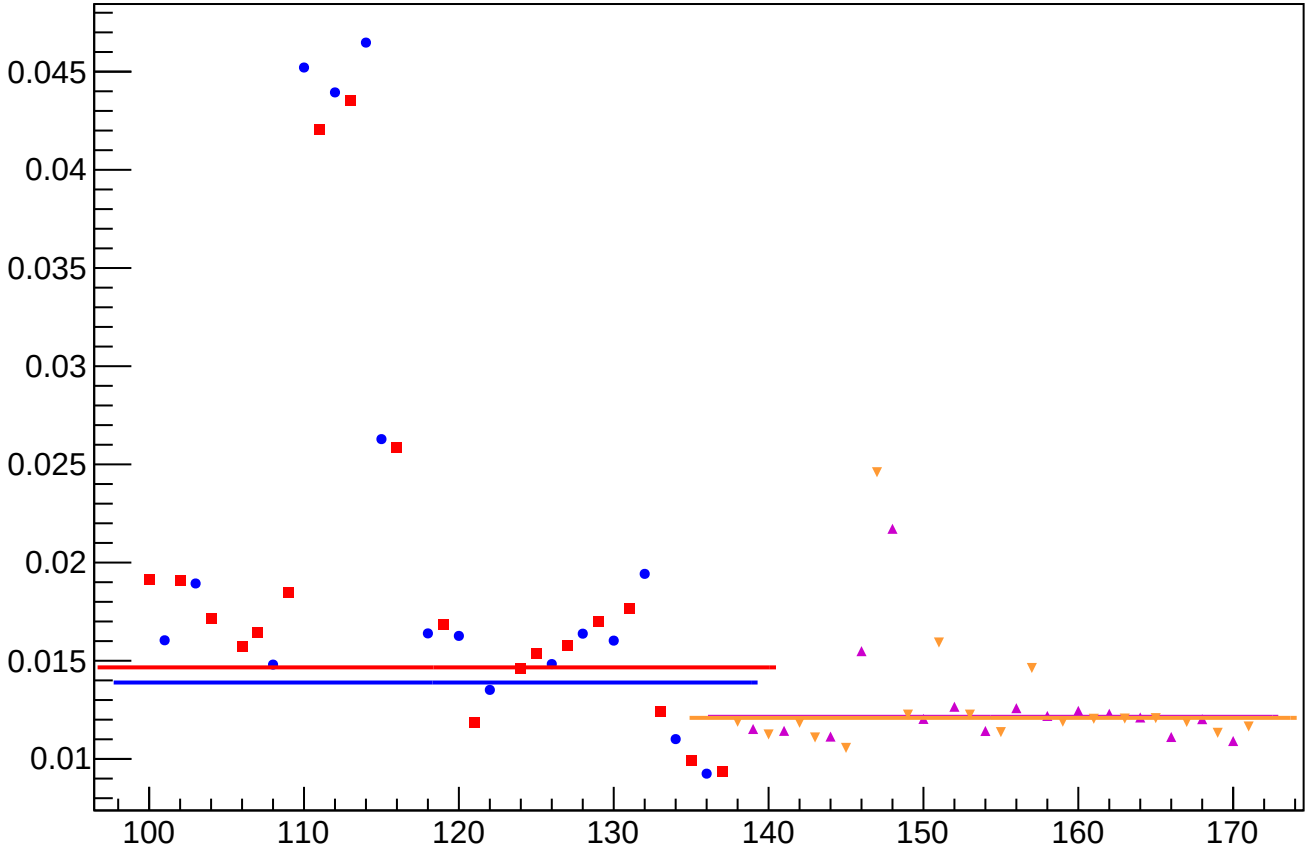
Left In: 0.644+/-0.000 χ^2/NDF:35670051.2/15

+ sign 0.703+/-0.000 χ^2/NDF: 4137036189.1/33

All: 0.709+/-0.000 χ^2/NDF: 8674717133.4/68

- sign 0.716+/-0.000 χ^2/NDF: 4528821305.9/34

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:620810.4/17

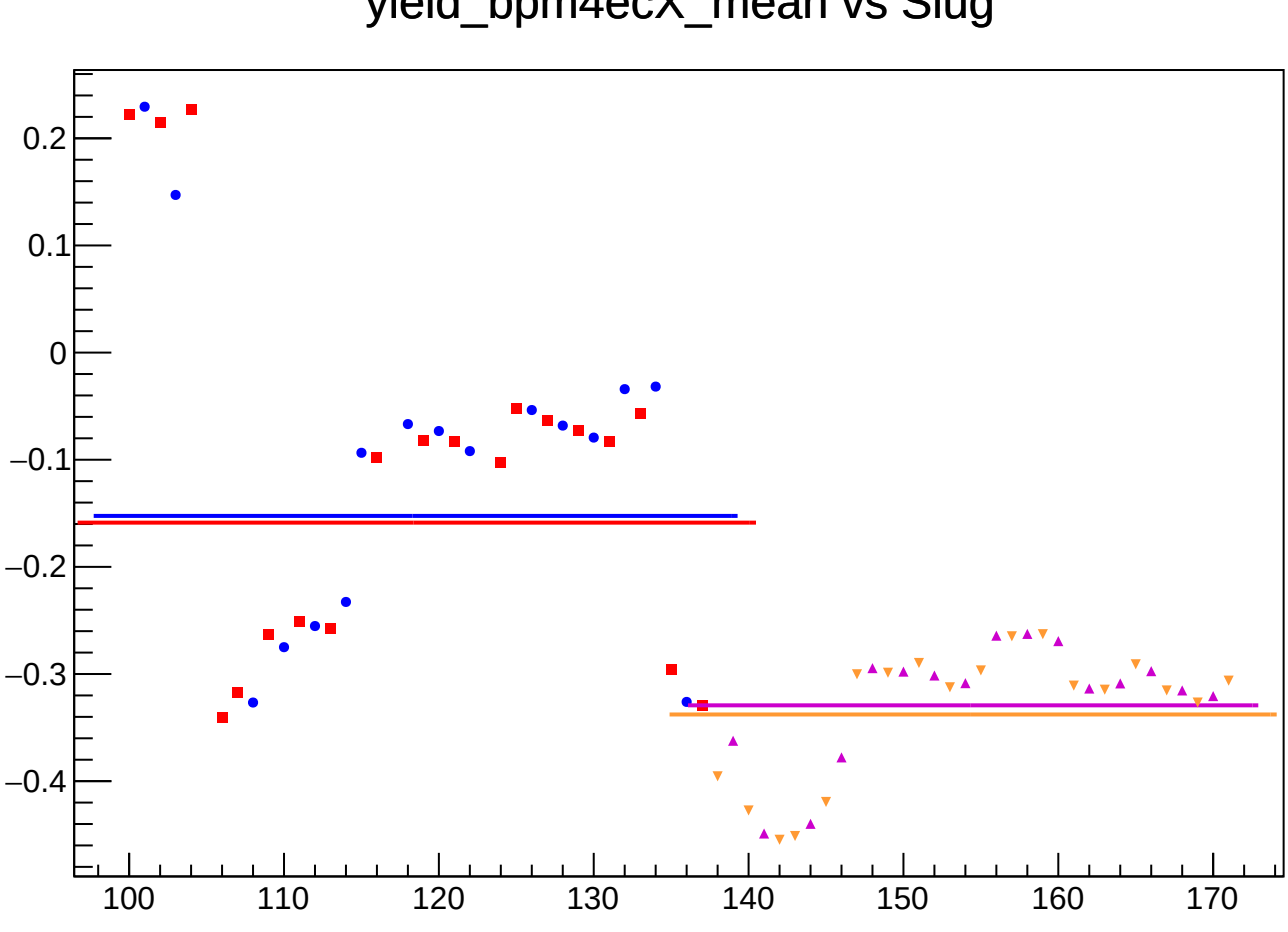
Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:449003.4/15

+ sign 0.013+/-0.000 χ^2/NDF: 2416708.0/33

All: 0.013+/-0.000 χ^2/NDF: 4612761.8/68

- sign 0.013+/-0.000 χ^2/NDF: 2189188.8/34



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.338+/-0.000 χ^2/NDF:126206018.2/17

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

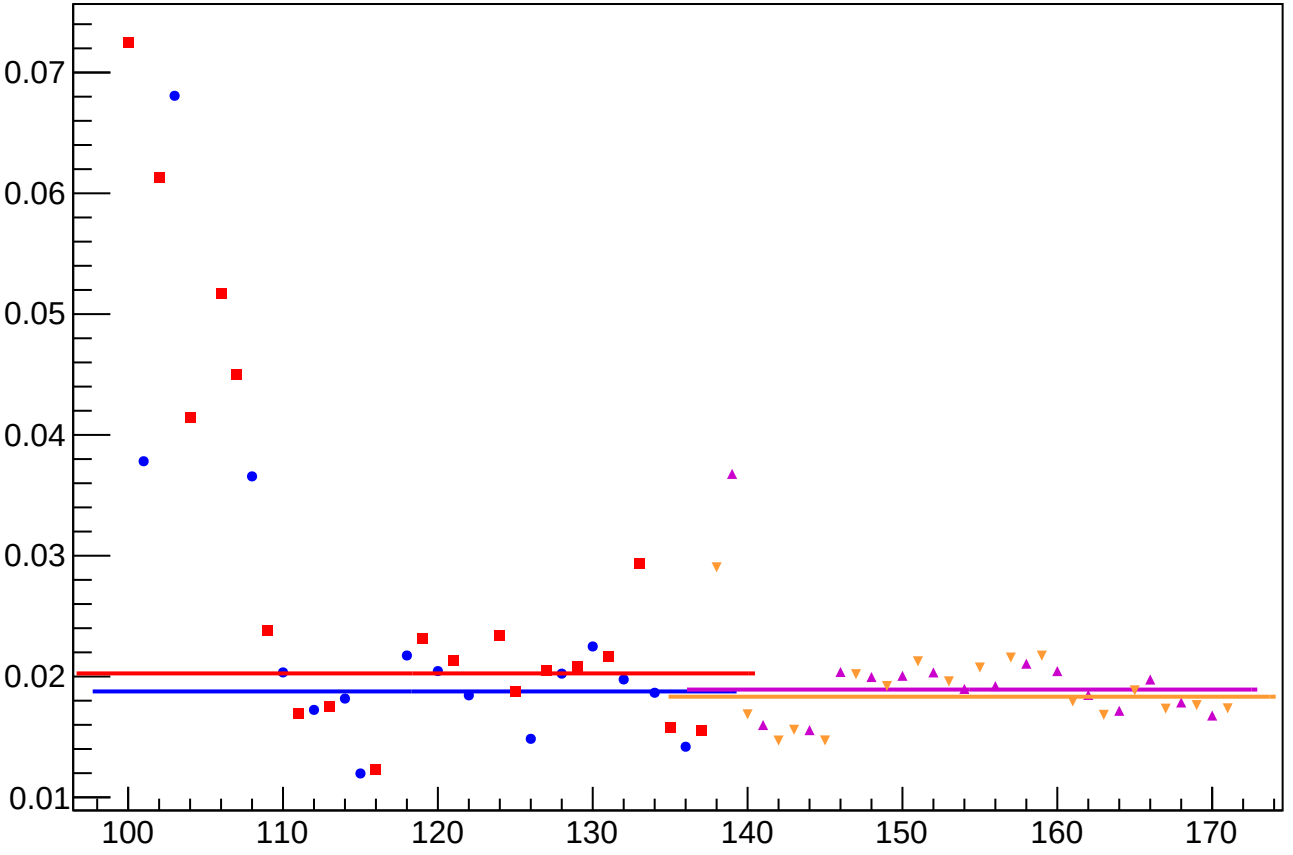
Left In: -0.329+/-0.000 χ^2/NDF:103561306.9/15

+ sign -0.281+/-0.000 χ^2/NDF: 757752833.4/33

All: -0.279+/-0.000 χ^2/NDF: 1323914085.6/6

- sign -0.277+/-0.000 χ^2/NDF: 565706633.5/34

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:491551.8/17

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

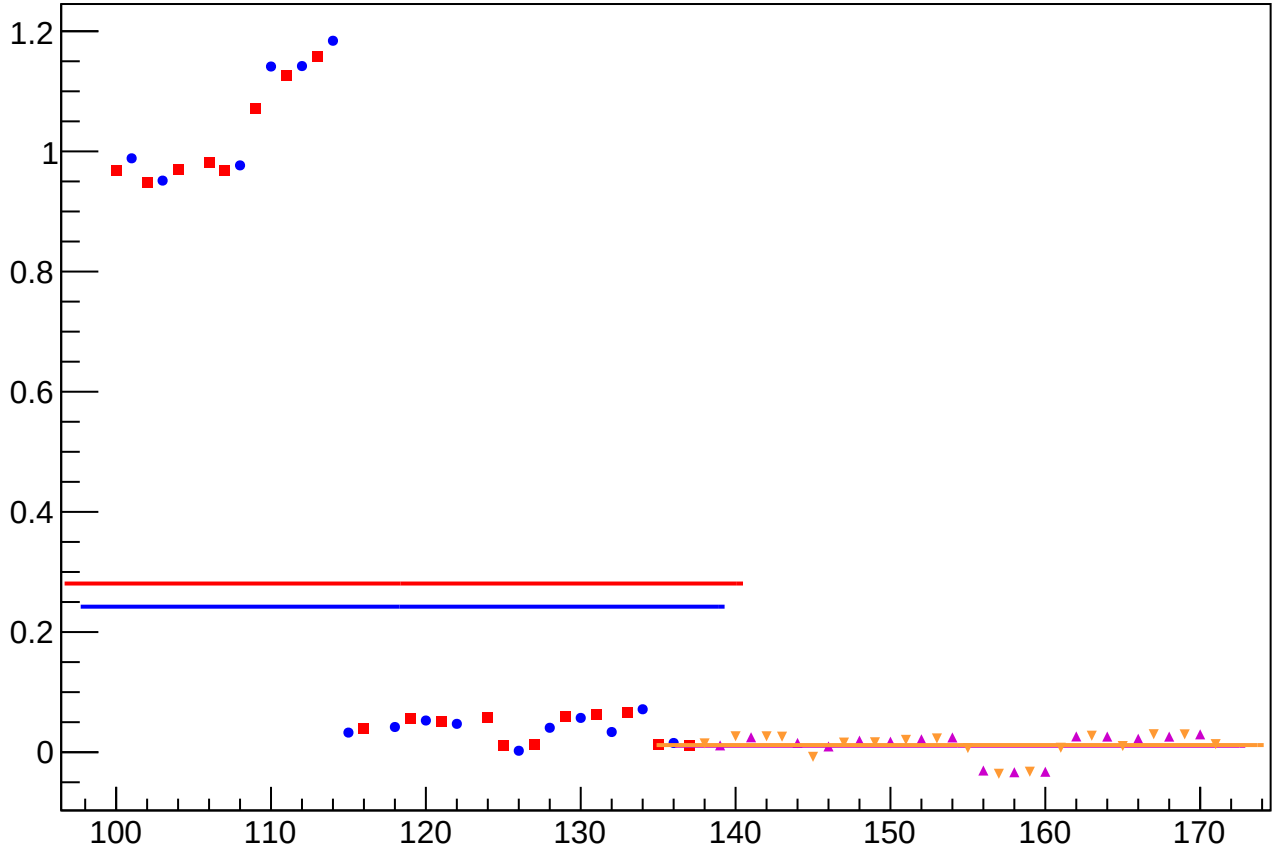
Left In: 0.019+/-0.000 χ^2/NDF:586240.7/15

+ sign 0.018+/-0.000 χ^2/NDF: 1844925.6/33

All: 0.019+/-0.000 χ^2/NDF: 4028268.5/68

- sign 0.019+/-0.000 χ^2/NDF: 2148634.7/34

yield_bpm4ecY_mean vs Slug



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44221361.3/17

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

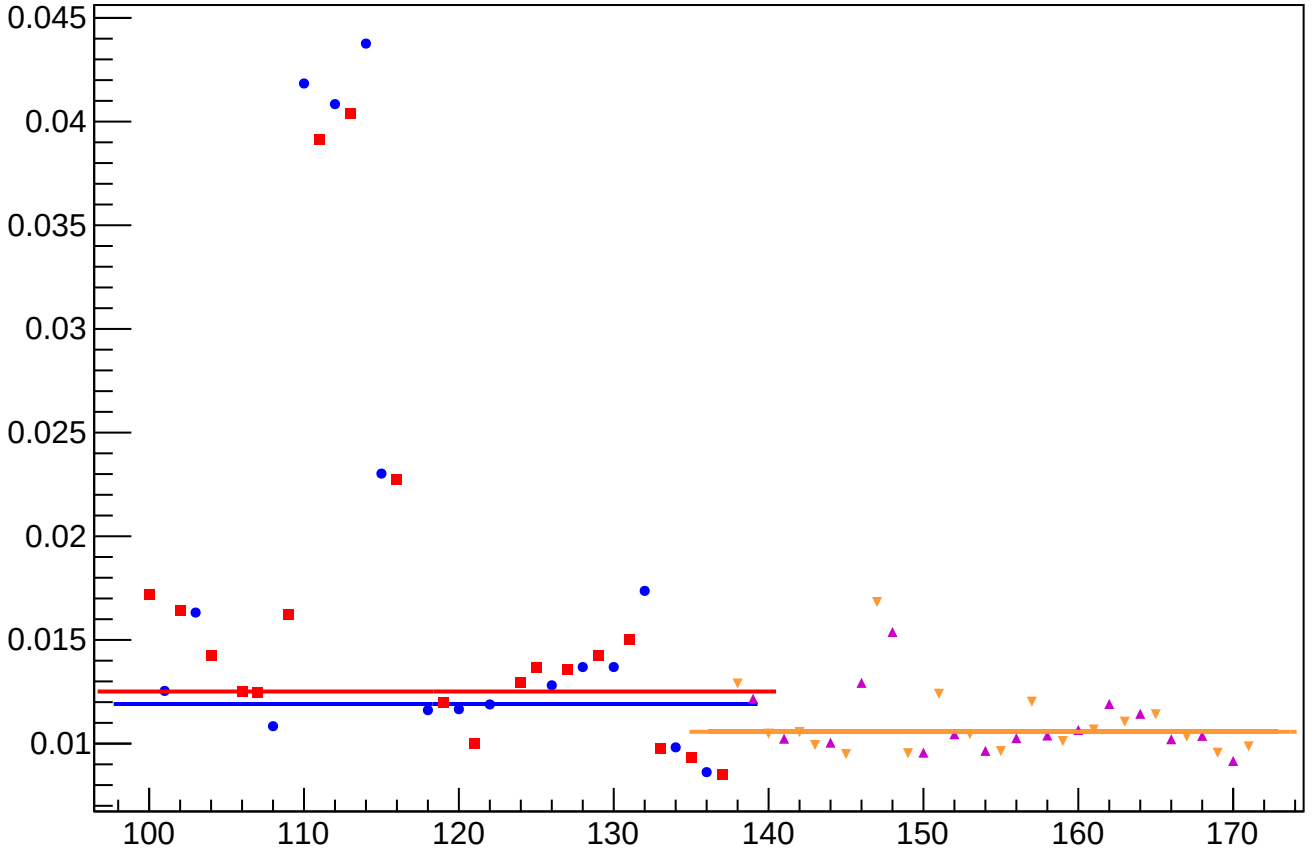
Left In: 0.011+/-0.000 χ^2/NDF:55005814.1/15

+ sign 0.071+/-0.000 χ^2/NDF: 8208084157.5/33

All: 0.076+/-0.000 χ^2/NDF: 17141803530.3/6

- sign 0.081+/-0.000 χ^2/NDF: 8926724193.9/34

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:427072.4/17

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

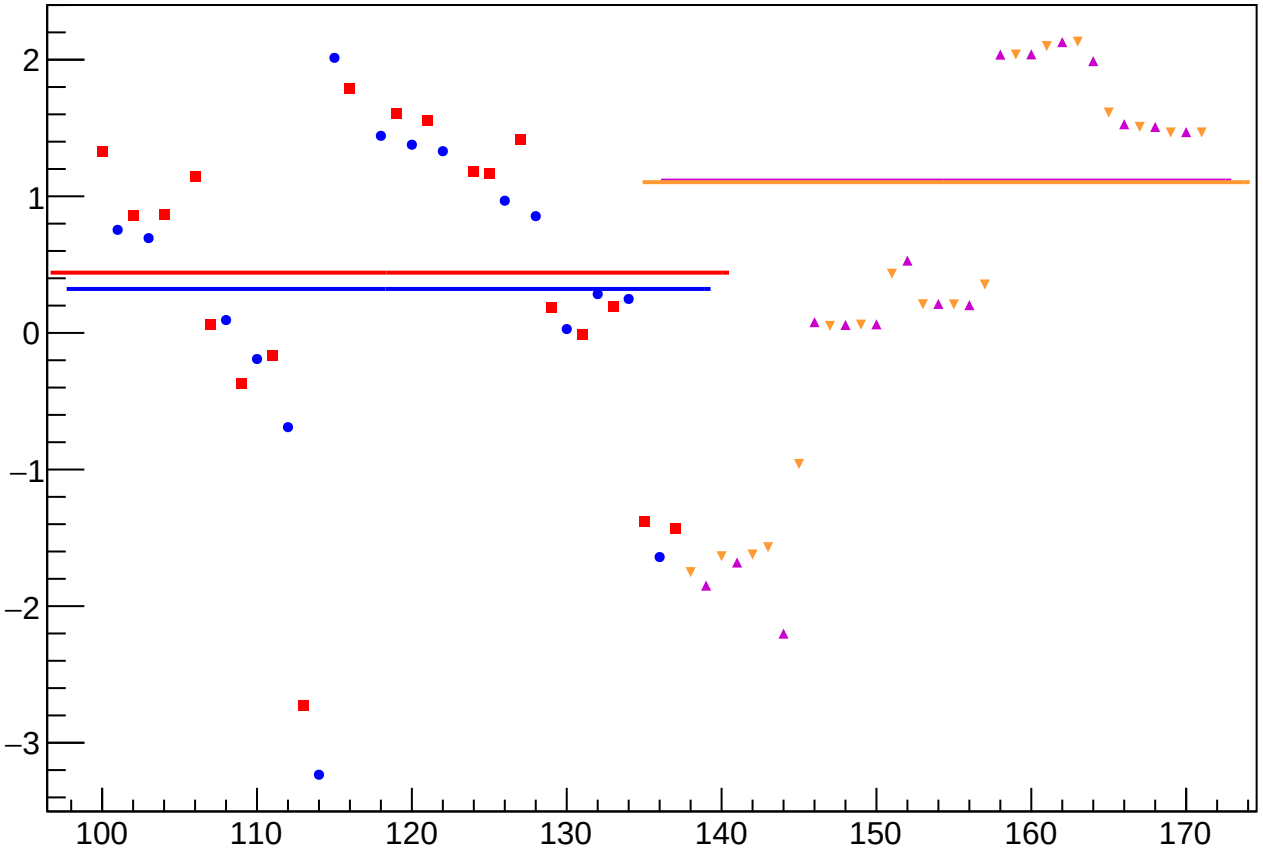
Left In: 0.011+/-0.000 χ^2/NDF:348487.3/15

+ sign 0.011+/-0.000 χ^2/NDF: 1998606.5/33

All: 0.011+/-0.000 χ^2/NDF: 3959560.0/68

- sign 0.011+/-0.000 χ^2/NDF: 1956484.7/34

yield_bpm1X_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.104+/-0.000 χ^2/NDF:29519979836.5/17

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

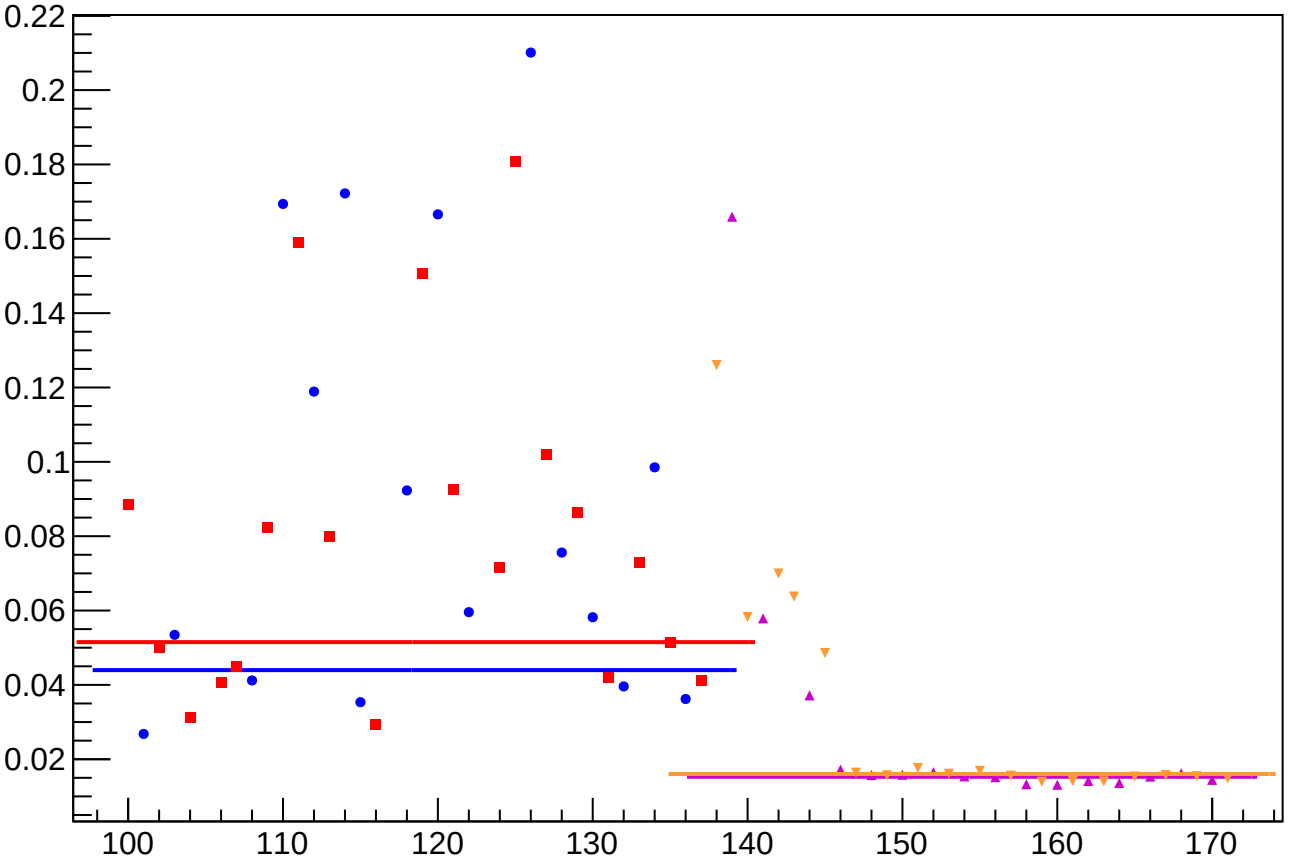
Left In: 1.115+/-0.000 χ^2/NDF:33344508835.3/15

+ sign 1.066+/-0.000 χ^2/NDF: 32339716907.5/33

All: 1.078+/-0.000 χ^2/NDF: 68209920618.8/6

- sign 1.089+/-0.000 χ^2/NDF: 35859512072.5/34

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:2890871.9/17

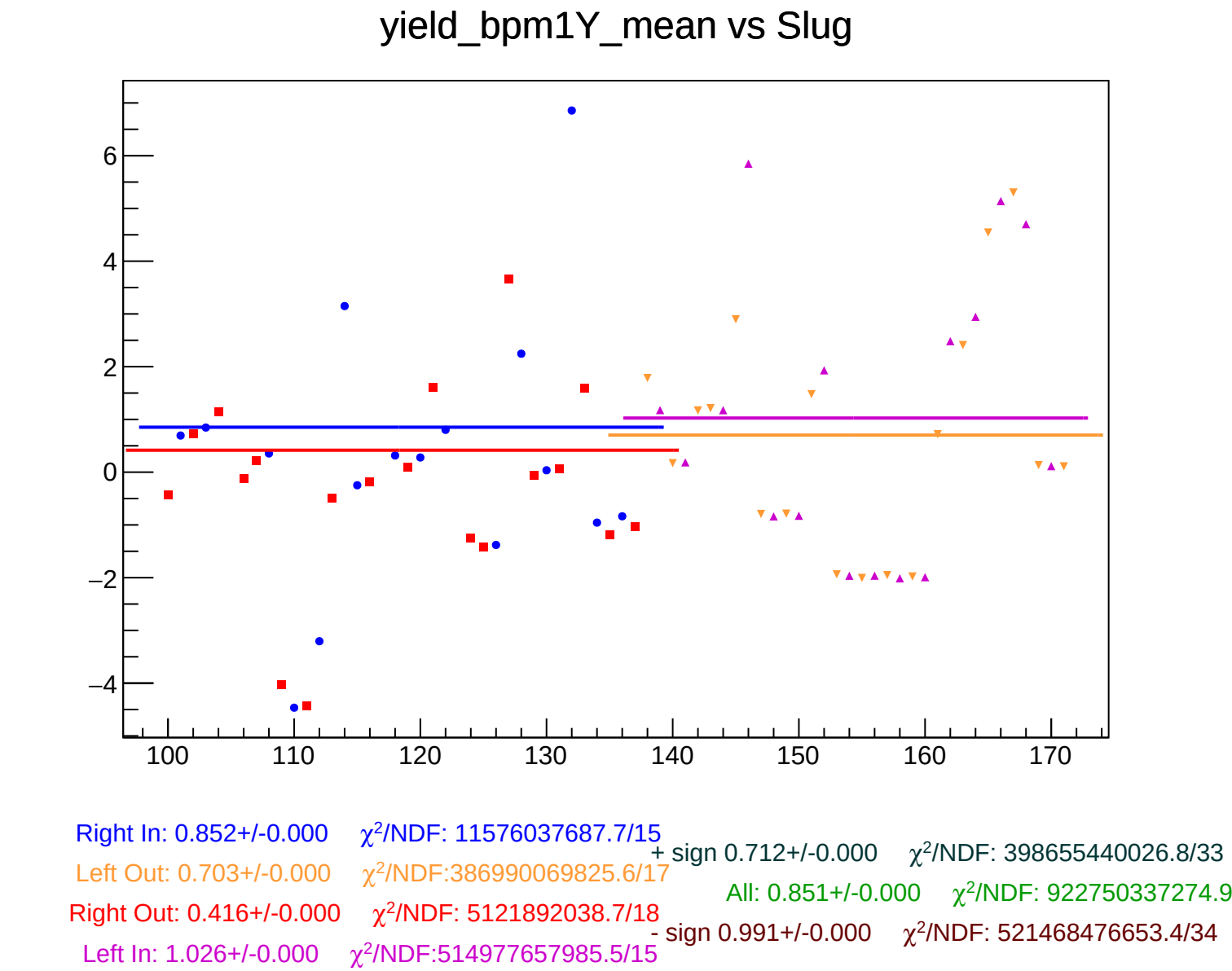
Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2153464.3/15

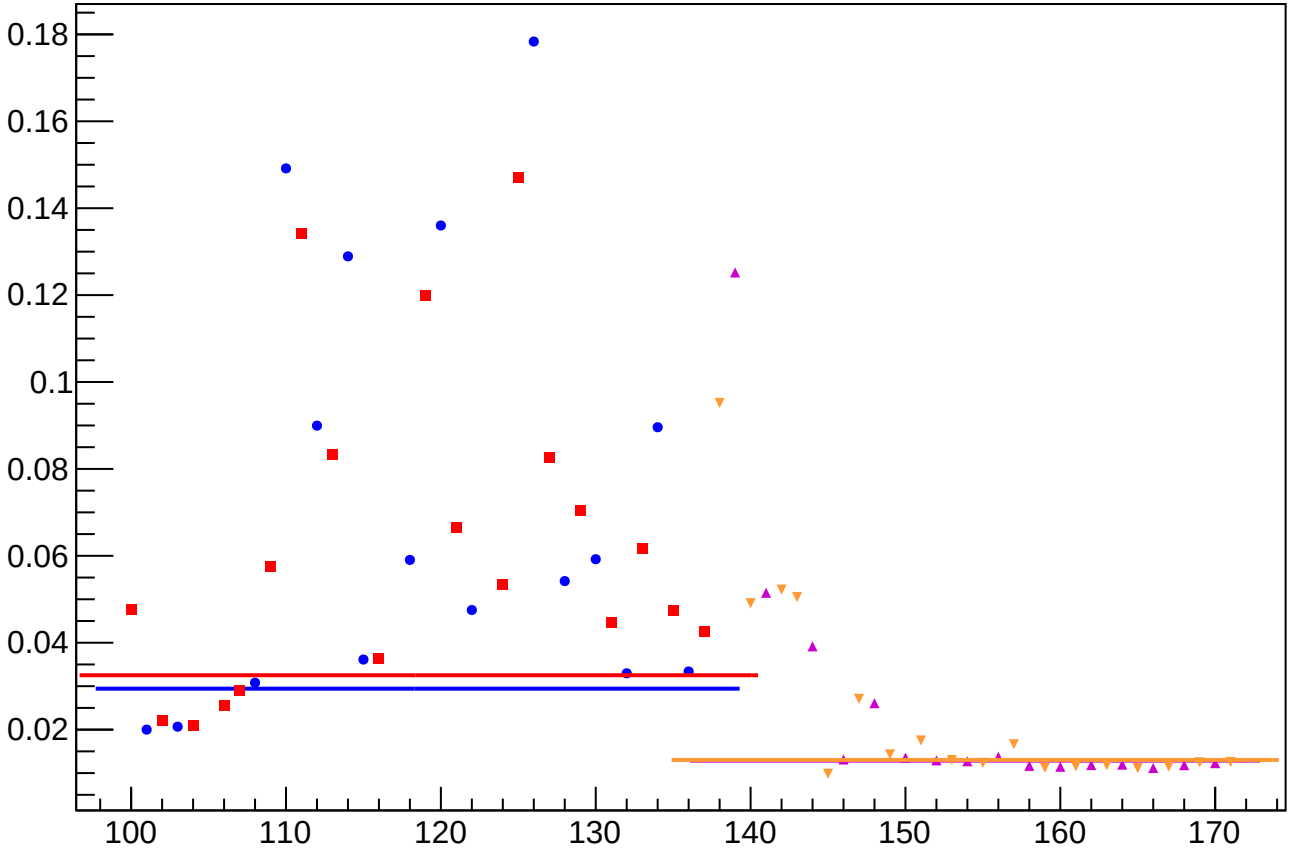
+ sign 0.017+/-0.000 χ^2/NDF: 8630431.2/33

All: 0.017+/-0.000 χ^2/NDF: 17321995.6/68

- sign 0.017+/-0.000 χ^2/NDF: 8672468.6/34


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: 0.852+/-0.000 χ²/NDF: 11576037687.7/15
Left Out: 0.703+/-0.000 χ²/NDF:386990069825.6/17
Right Out: 0.416+/-0.000 χ²/NDF: 5121892038.7/18
Left In: 1.026+/-0.000 χ²/NDF:514977657985.5/15
+ sign 0.712+/-0.000 χ²/NDF: 398655440026.8/33
All: 0.851+/-0.000 χ²/NDF: 922750337274.9
- sign 0.991+/-0.000 χ²/NDF: 521468476653.4/34

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3112424.1/17

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

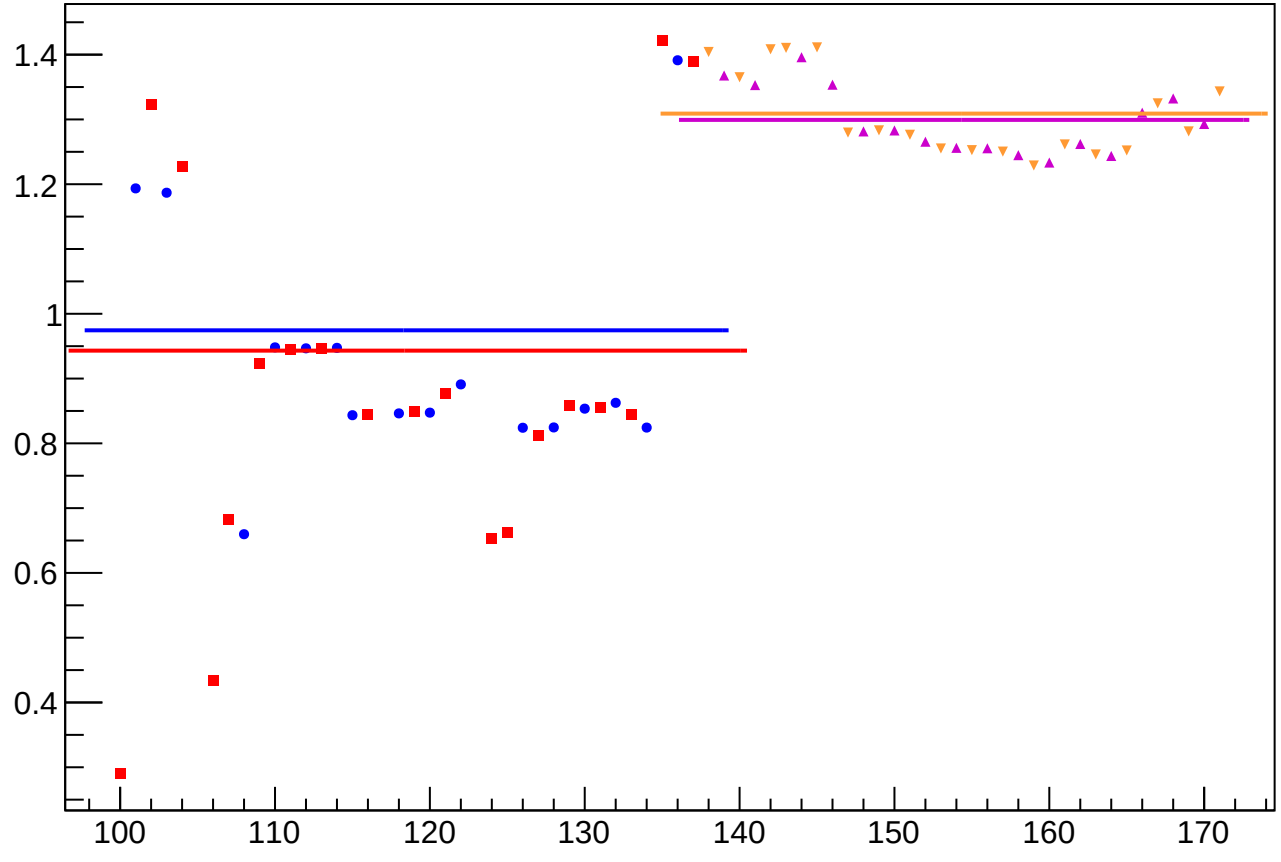
Left In: 0.013+/-0.000 χ^2/NDF:2683735.3/15

+ sign 0.014+/-0.000 χ^2/NDF: 8453151.9/33

All: 0.014+/-0.000 χ^2/NDF: 17291908.8/68

- sign 0.014+/-0.000 χ^2/NDF: 8838579.0/34

yield_bpm11X_mean vs Slug



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF:267488878.4/17

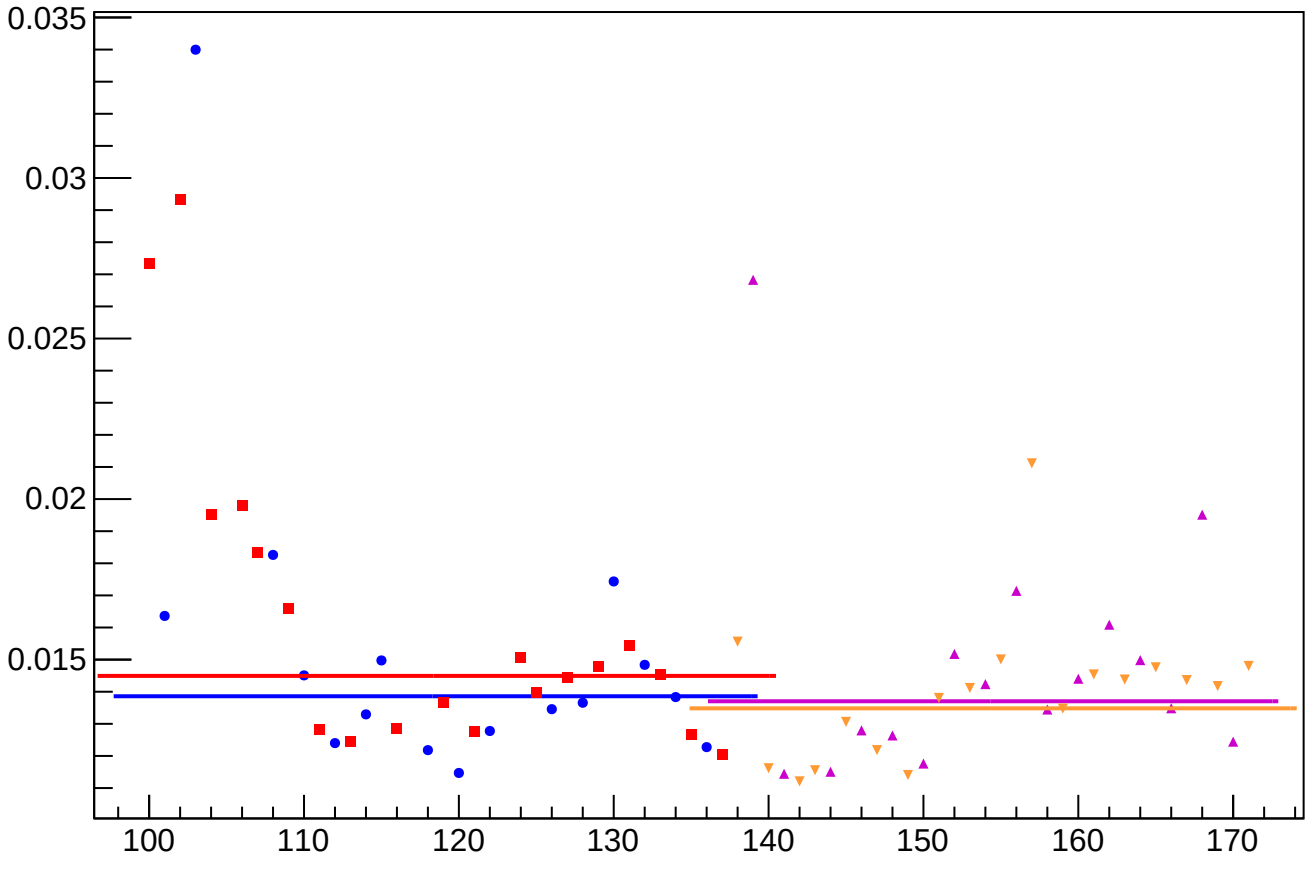
Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.299+/-0.000 χ^2/NDF:154799114.9/15

+ sign 1.201+/-0.000 χ^2/NDF: 4176754400.2/33

All: 1.191+/-0.000 χ^2/NDF: 8606778989.5/68

- sign 1.181+/-0.000 χ^2/NDF: 4411104749.5/34



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:425226.0/17

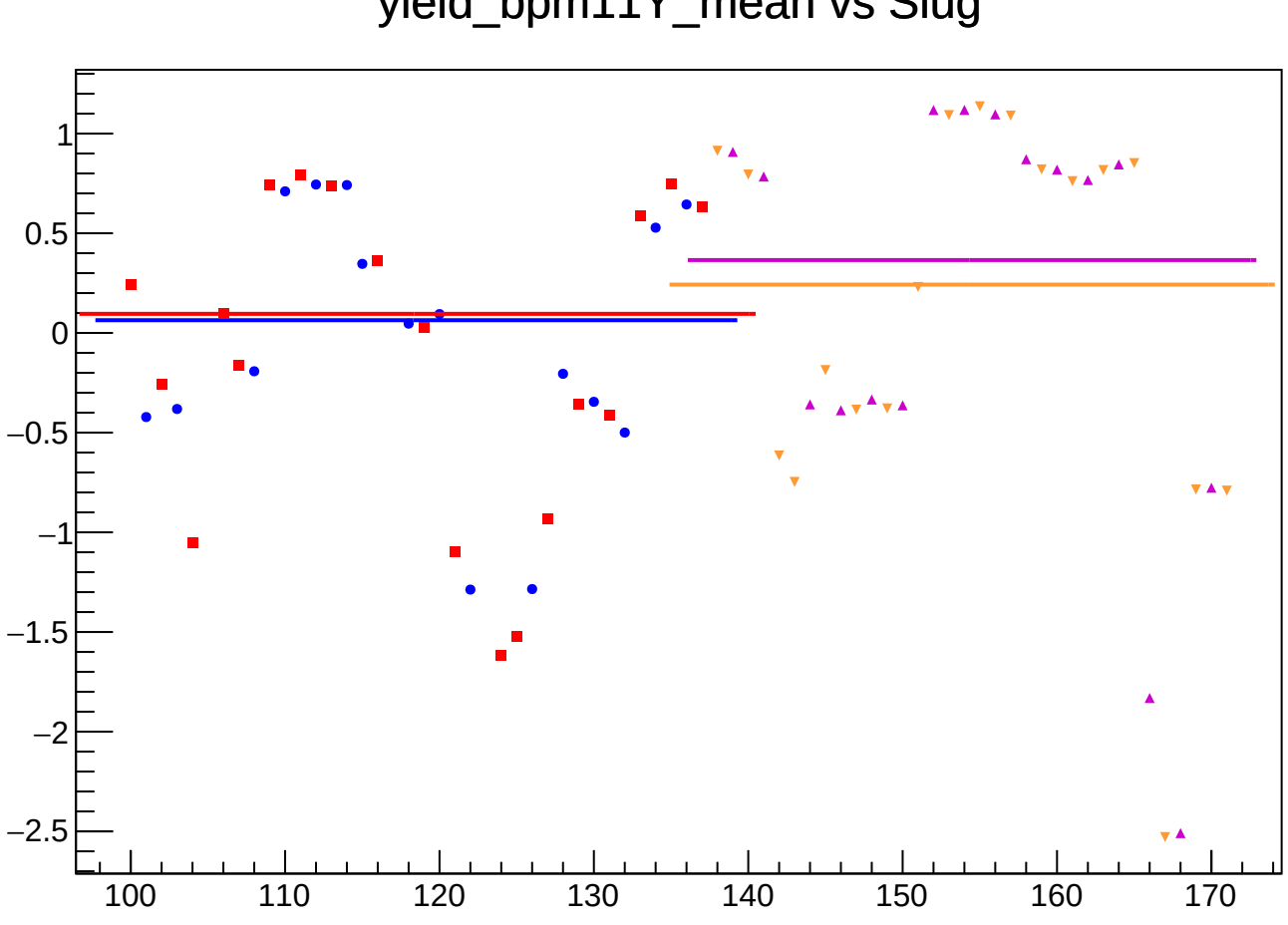
Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842296.9/15

+ sign 0.014+/-0.000 χ^2/NDF: 1031399.6/33

All: 0.014+/-0.000 χ^2/NDF: 2455951.5/68

- sign 0.014+/-0.000 χ^2/NDF: 1412076.7/34



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.242+/-0.000 χ^2/NDF:77268063421.0/17

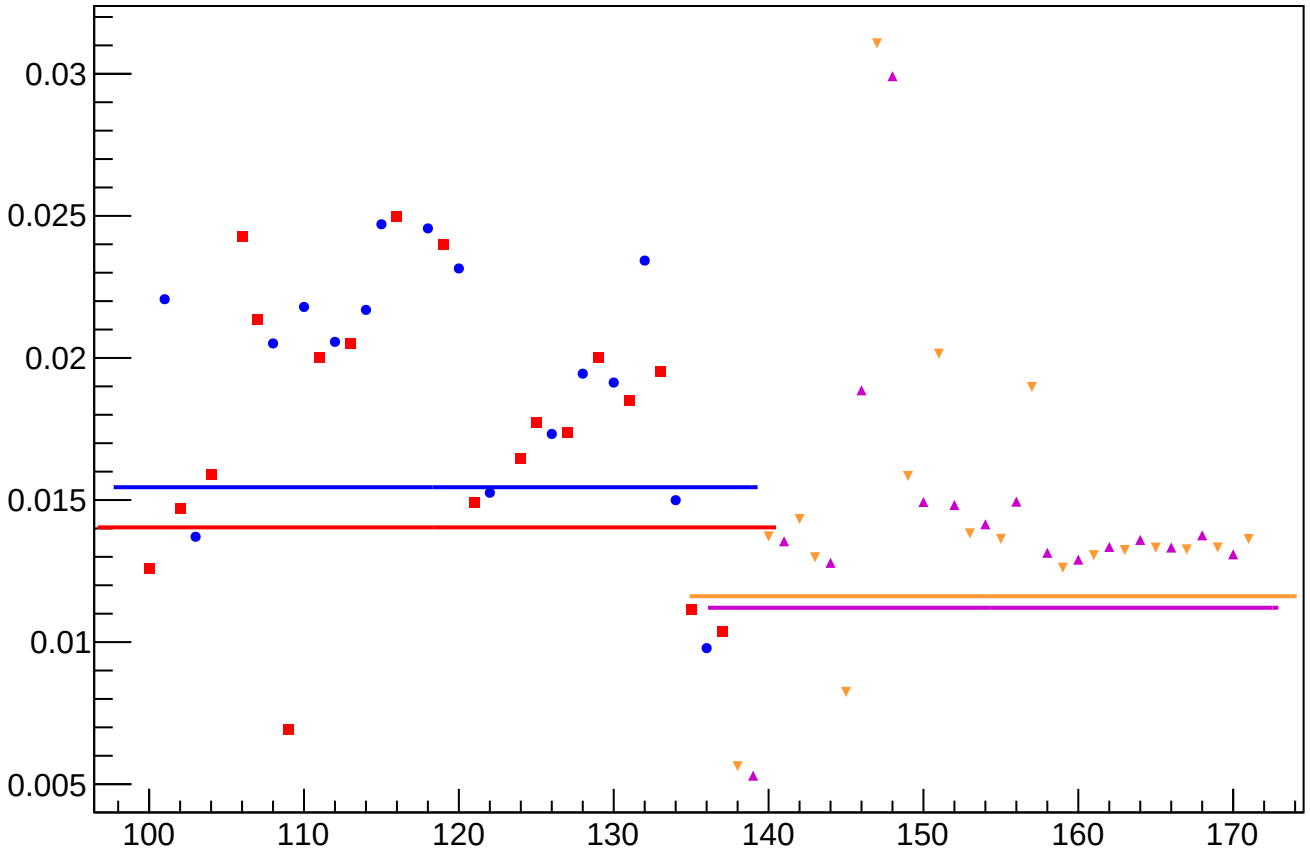
Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.366+/-0.000 χ^2/NDF:83510806883.0/15

+ sign 0.203+/-0.000 χ^2/NDF: 88927657055.5/33

All: 0.250+/-0.000 χ^2/NDF: 192338666137.8

- sign 0.296+/-0.000 χ^2/NDF: 102908791789.8/34



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3170869.9/17

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

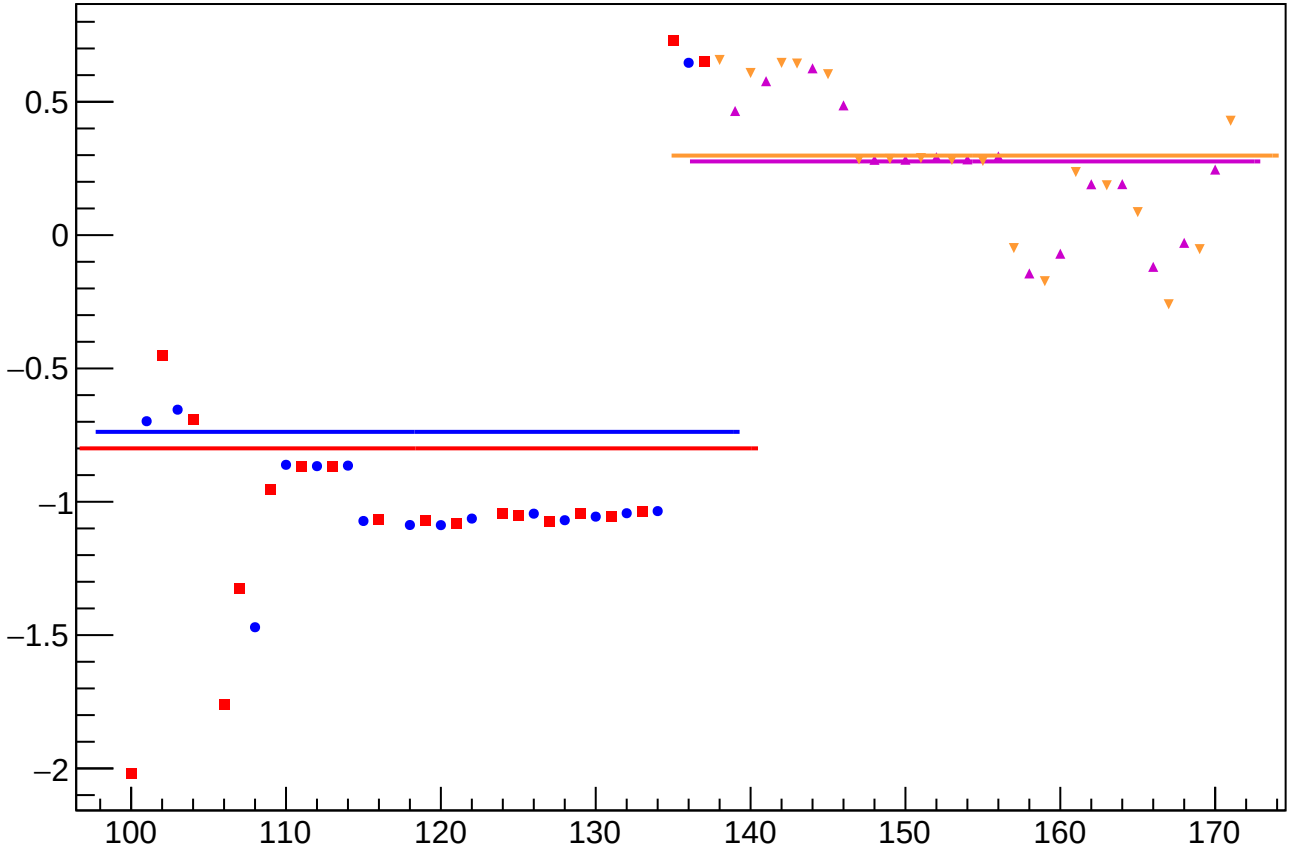
Left In: 0.011+/-0.000 χ^2/NDF:3566428.0/15

+ sign 0.012+/-0.000 χ^2/NDF: 5040407.1/33

All: 0.012+/-0.000 χ^2/NDF: 10680719.8/68

- sign 0.012+/-0.000 χ^2/NDF: 5607728.4/34

yield_bpm12X_mean vs Slug



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.298+/-0.000 χ^2/NDF:747176215.1/17

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

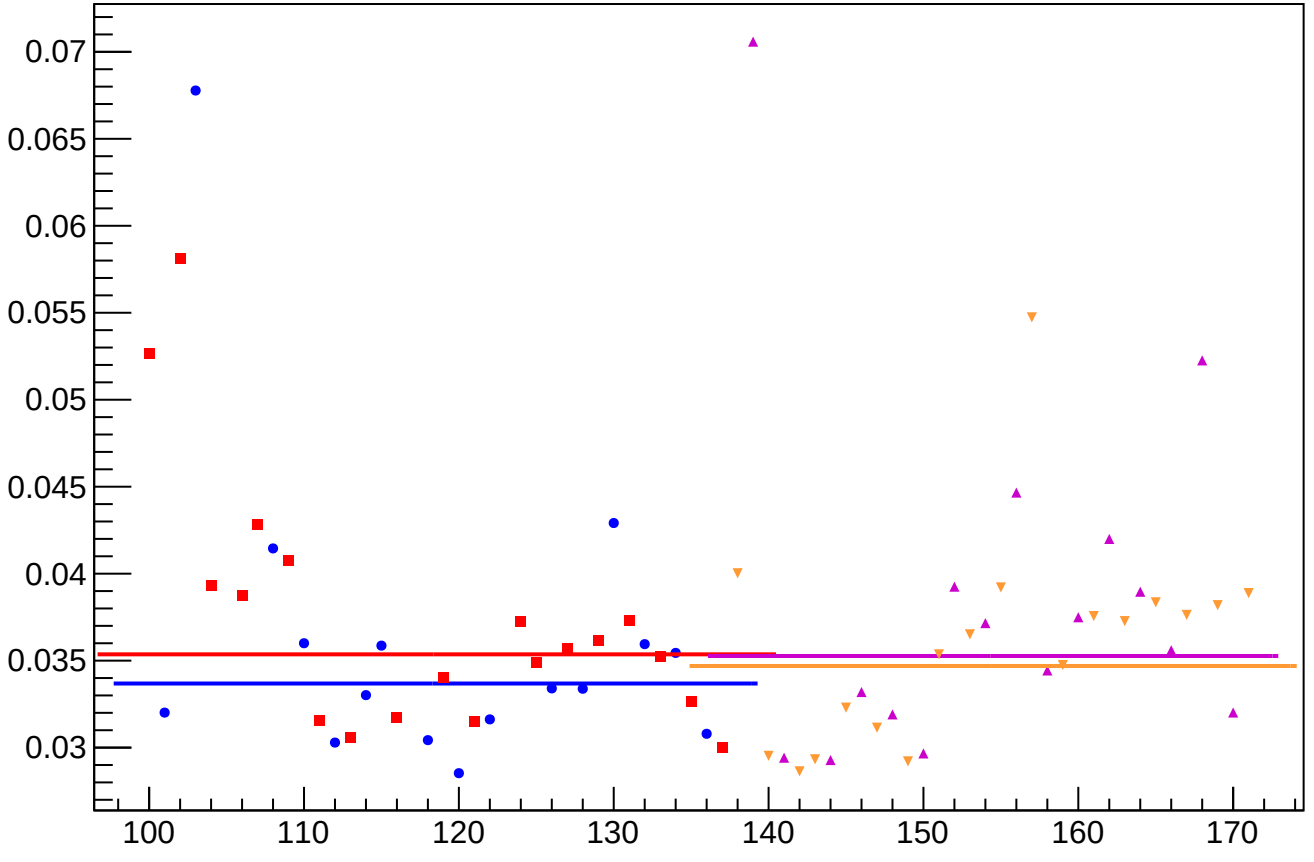
Left In: 0.276+/-0.000 χ^2/NDF:501775340.7/15

+ sign -0.069+/-0.000 χ^2/NDF: 6671916598.7/33

All: -0.089+/-0.000 χ^2/NDF: 12898775906.7/

- sign -0.112+/-0.000 χ^2/NDF: 6212762724.4/34

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:480810.9/17

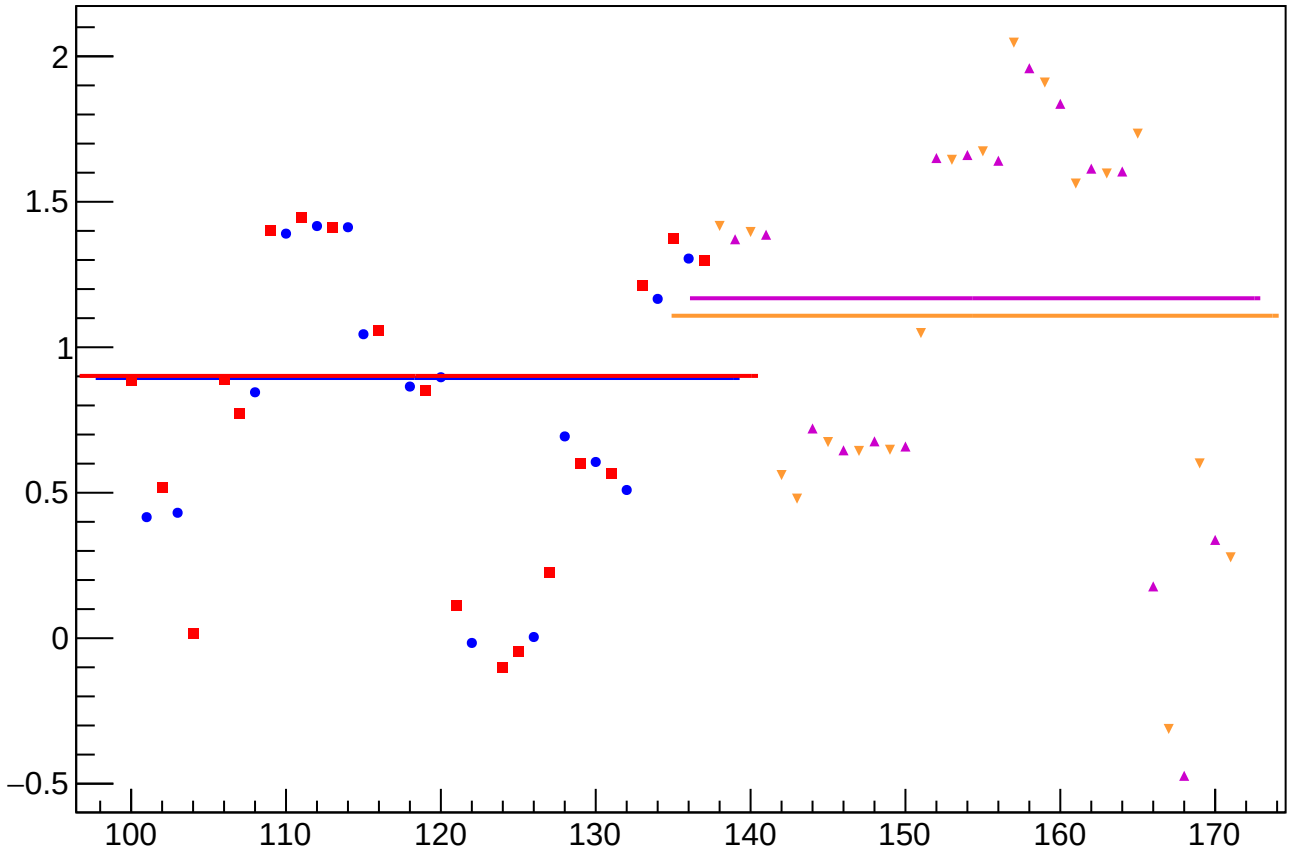
Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929092.3/15

+ sign 0.034+/-0.000 χ^2/NDF: 908318.7/33

All: 0.035+/-0.000 χ^2/NDF: 2147800.0/68

- sign 0.035+/-0.000 χ^2/NDF: 1225505.2/34



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.108+/-0.000 χ^2/NDF:65288033312.2/17

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

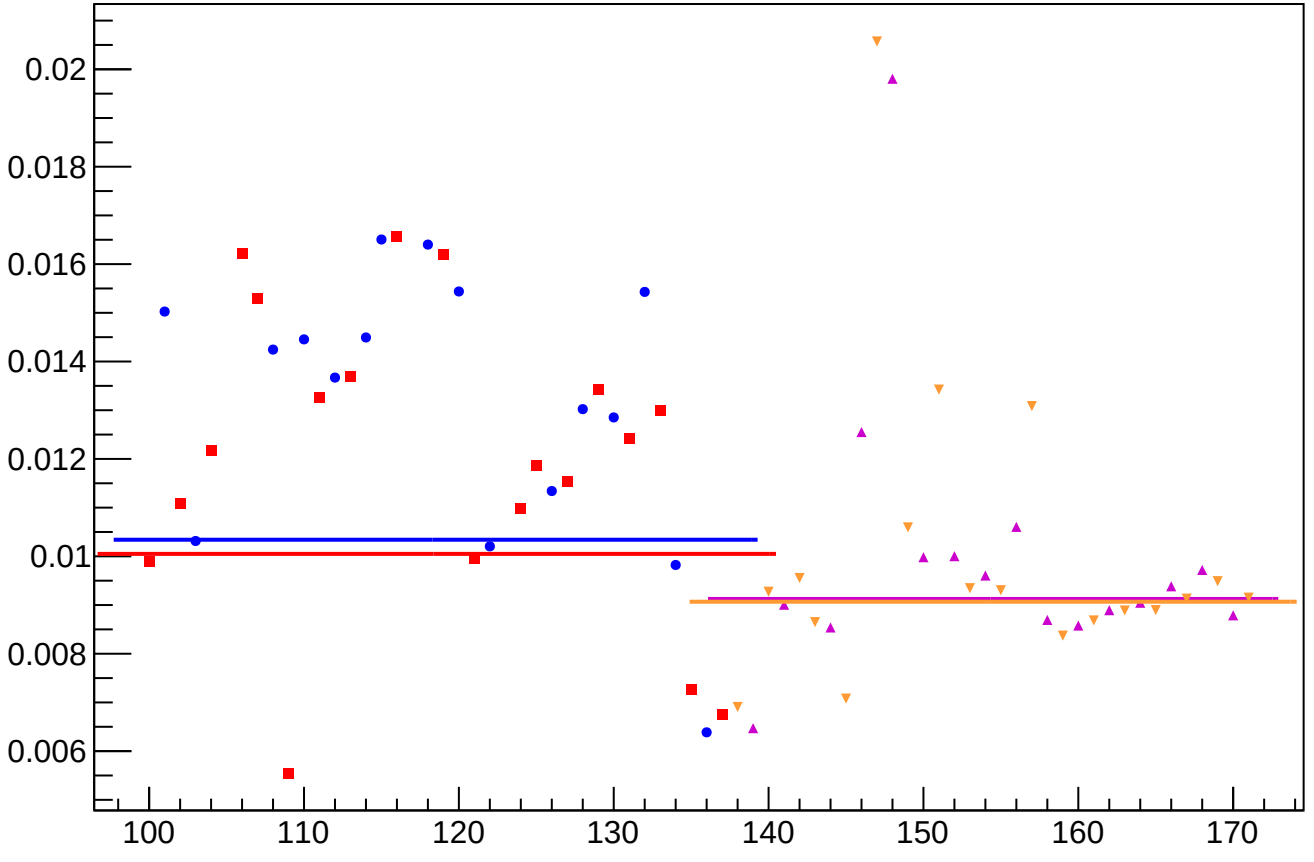
Left In: 1.168+/-0.000 χ^2/NDF:65081580843.2/15

+ sign 1.053+/-0.000 χ^2/NDF: 79928283273.0/33

All: 1.071+/-0.000 χ^2/NDF: 166087674483.6

- sign 1.090+/-0.000 χ^2/NDF: 86010671907.3/34

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:1127377.9/17

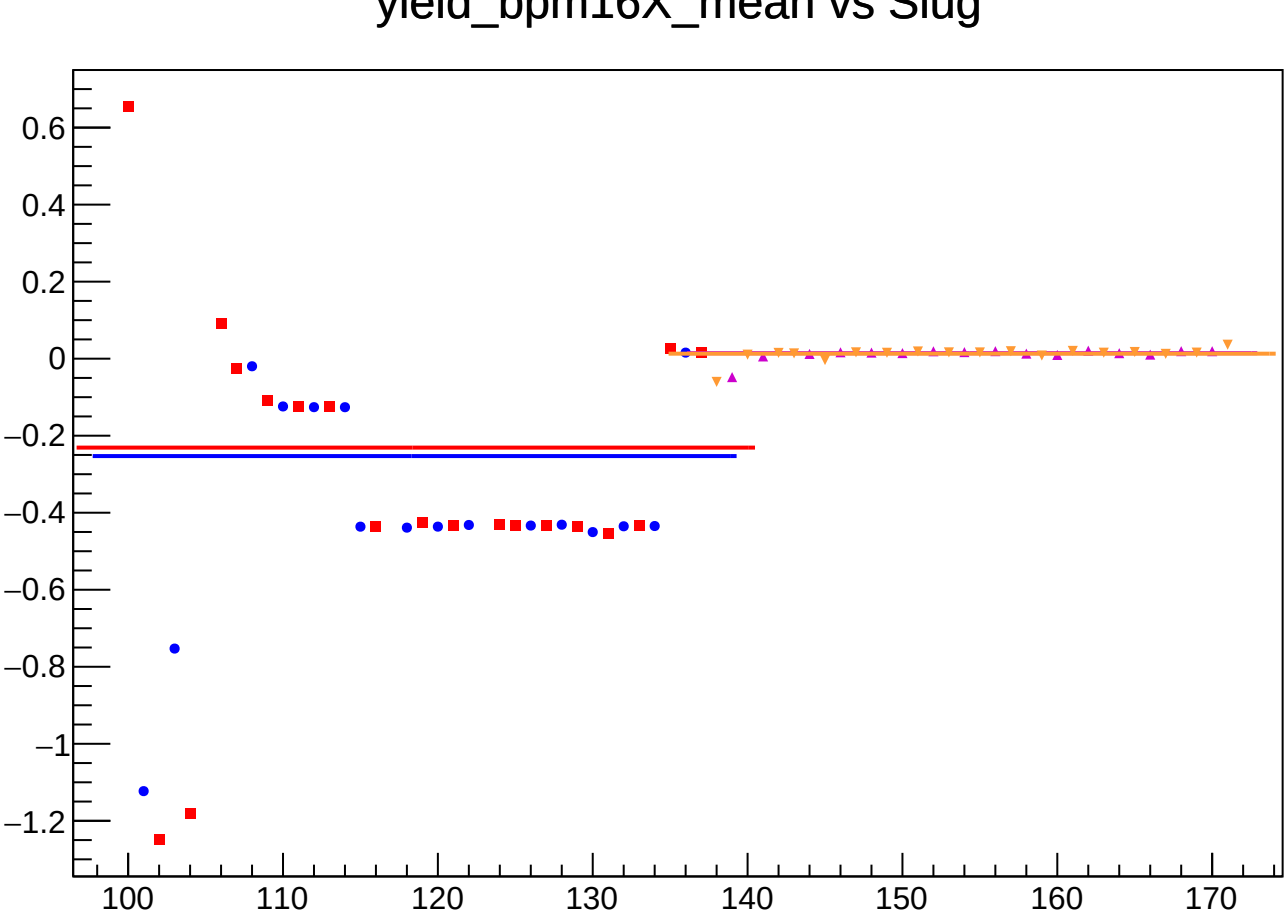
Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:927418.2/15

+ sign 0.009+/-0.000 χ^2/NDF: 2611531.8/33

All: 0.009+/-0.000 χ^2/NDF: 4948775.2/68

- sign 0.009+/-0.000 χ^2/NDF: 2337241.2/34



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27359853.5/17

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

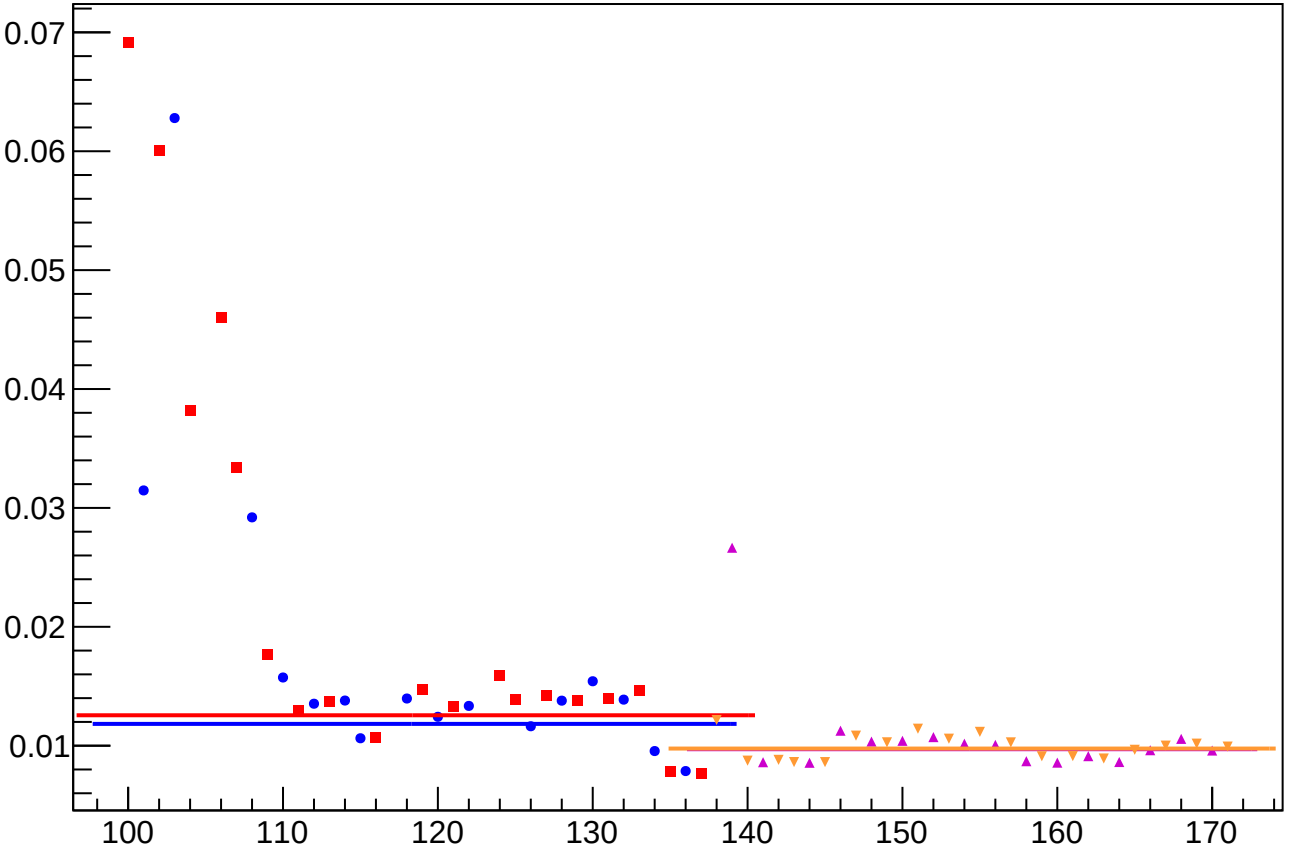
Left In: 0.014+/-0.000 χ^2/NDF:6698040.6/15

+ sign -0.046+/-0.000 χ^2/NDF: 4007248339.1/33

All: -0.042+/-0.000 χ^2/NDF: 7323833676.6/6

- sign -0.039+/-0.000 χ^2/NDF: 3312529490.4/34

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:226409.2/17

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

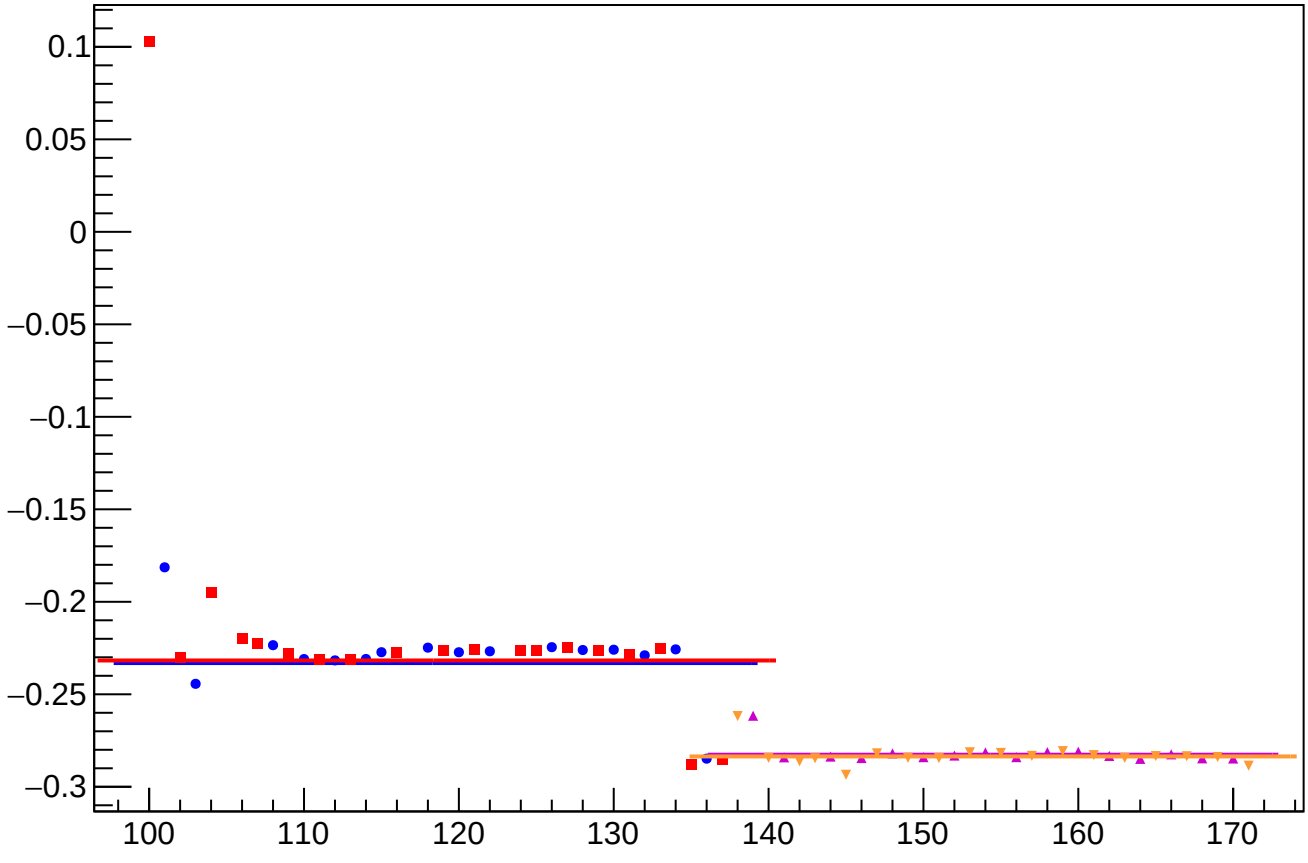
Left In: 0.010+/-0.000 χ^2/NDF:856469.8/15

+ sign 0.010+/-0.000 χ^2/NDF: 2406972.4/33

All: 0.010+/-0.000 χ^2/NDF: 5888870.3/68

- sign 0.010+/-0.000 χ^2/NDF: 3480346.8/34

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15821390.9/17

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

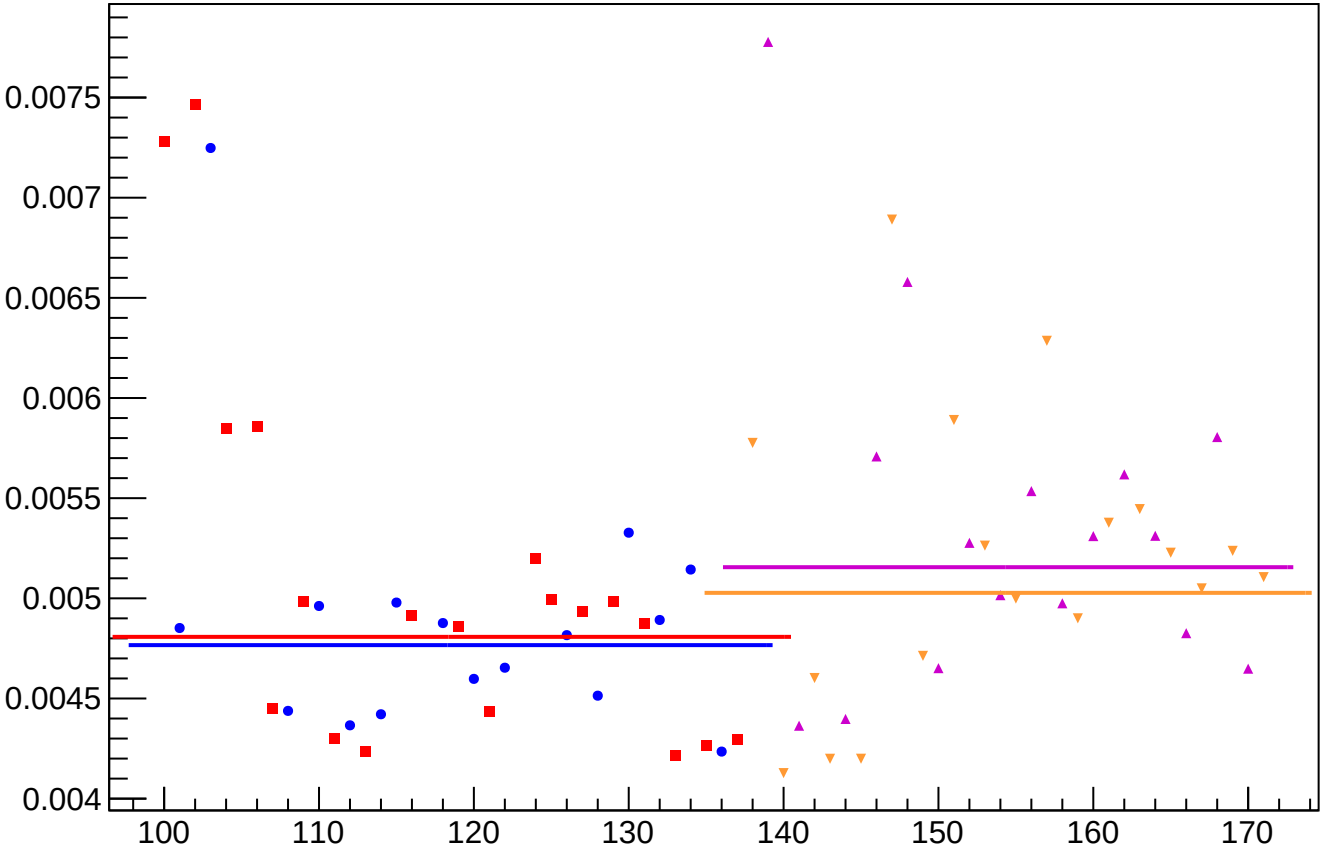
Left In: -0.283+/-0.000 χ^2/NDF:6766351.5/15

+ sign -0.266+/-0.000 χ^2/NDF: 682873424.3/33

All: -0.264+/-0.000 χ^2/NDF: 1442574772.1/6

- sign -0.263+/-0.000 χ^2/NDF: 756683680.9/34

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:456421.7/17

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

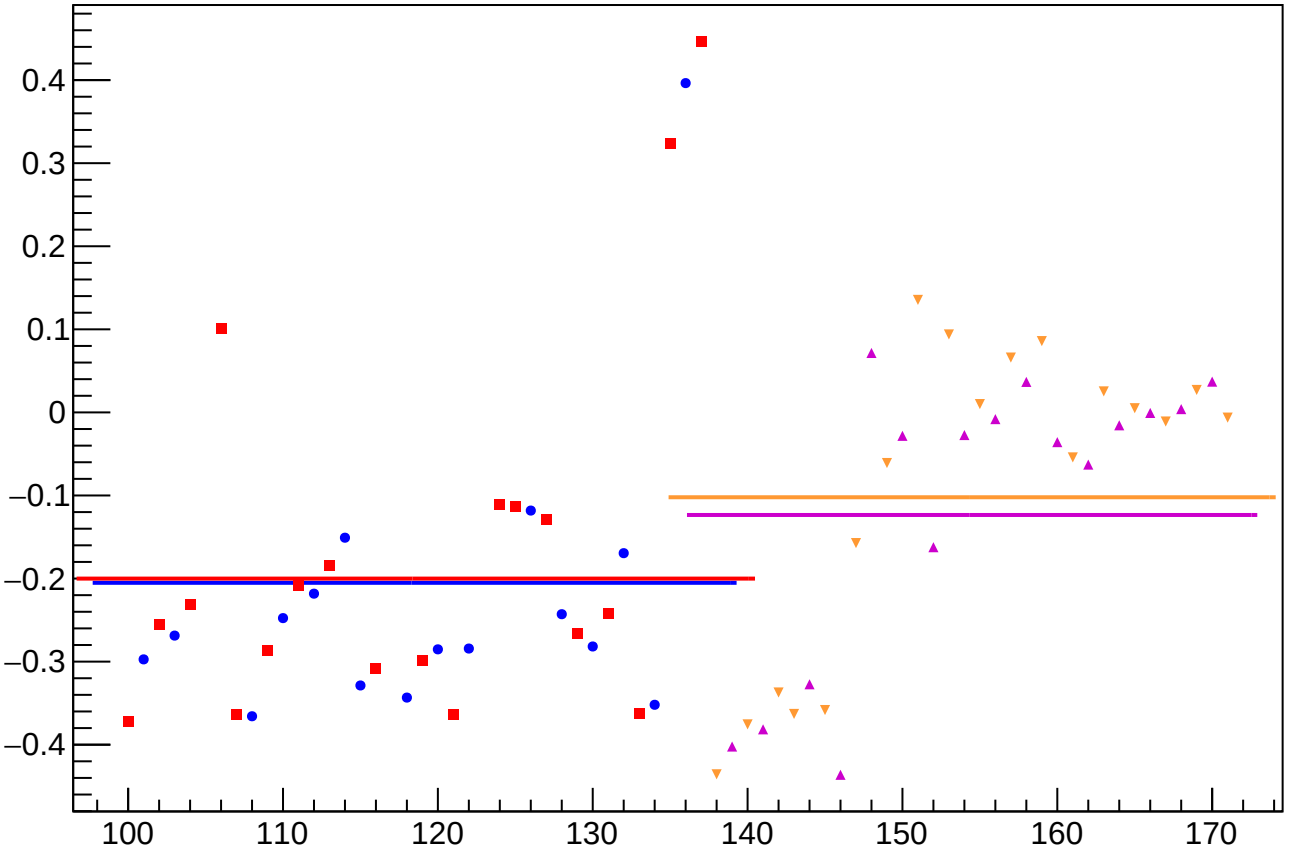
Left In: 0.005+/-0.000 χ^2/NDF:463091.8/15

+ sign 0.005+/-0.000 χ^2/NDF: 673188.1/33

All: 0.005+/-0.000 χ^2/NDF: 1478904.2/68

- sign 0.005+/-0.000 χ^2/NDF: 799966.1/34

yield_bpm0i02X_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.102+/-0.000 χ^2/NDF:15897316558.1/17

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

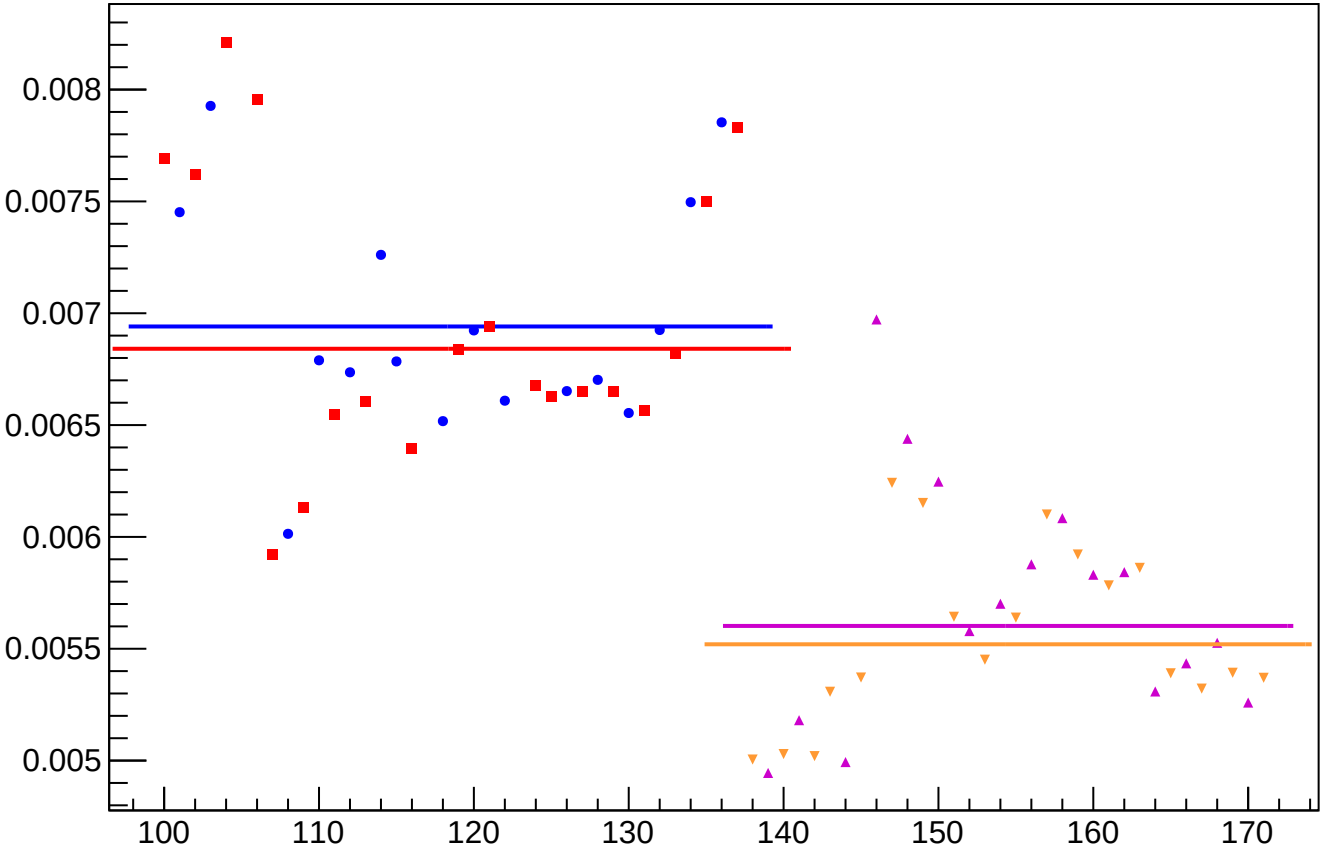
Left In: -0.123+/-0.000 χ^2/NDF:11570613440.6/15

+ sign -0.128+/-0.000 χ^2/NDF: 23248100903.1/33

All: -0.136+/-0.000 χ^2/NDF: 40800956248.5/

- sign -0.145+/-0.000 χ^2/NDF: 17468856261.0/34

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:114903.9/17

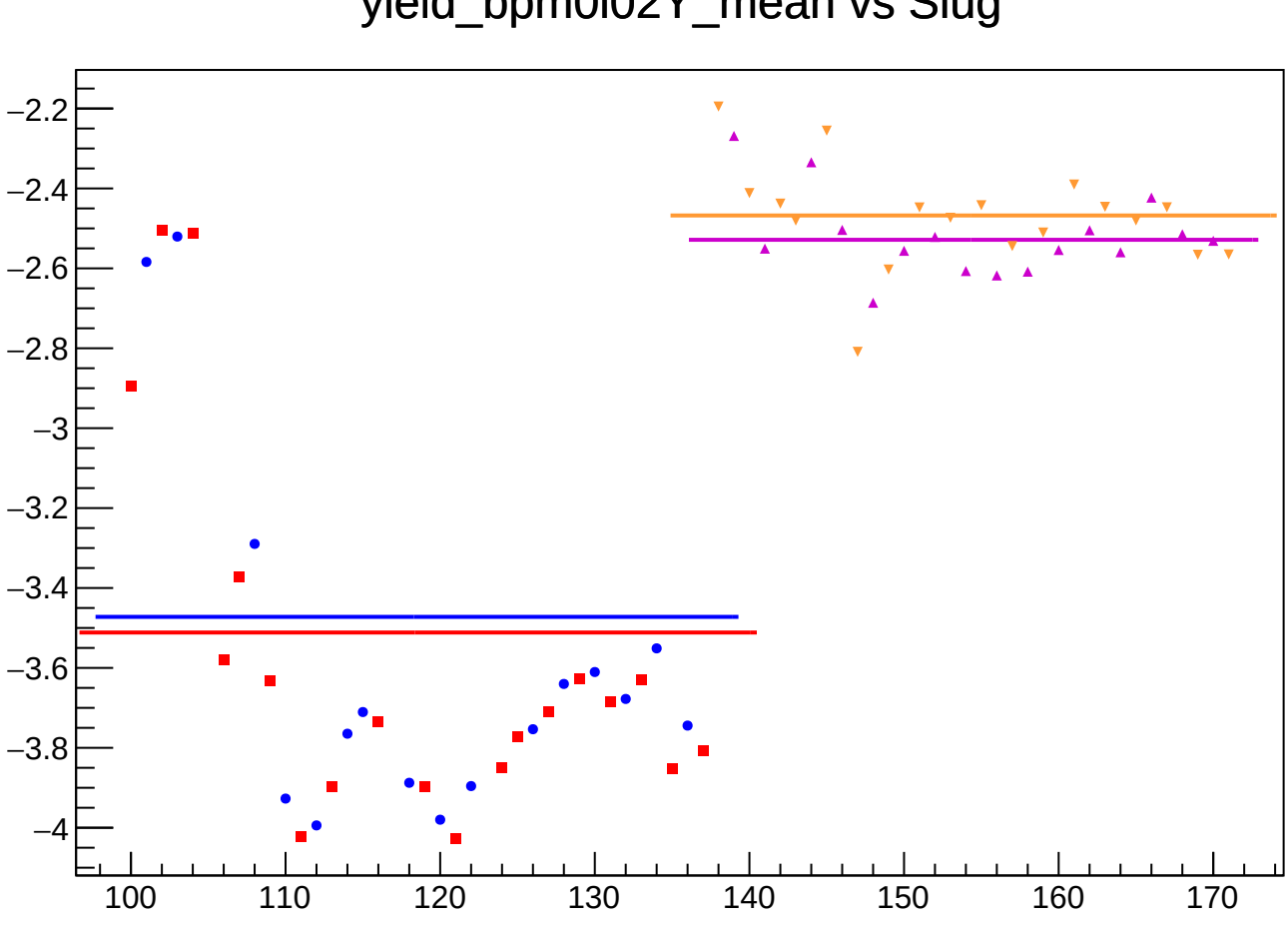
Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:193151.8/15

+ sign 0.006+/-0.000 χ^2/NDF: 642361.1/33

All: 0.006+/-0.000 χ^2/NDF: 1278215.6/68

- sign 0.006+/-0.000 χ^2/NDF: 632460.5/34



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.468+/-0.000 χ^2/NDF:1888125542.7/17

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

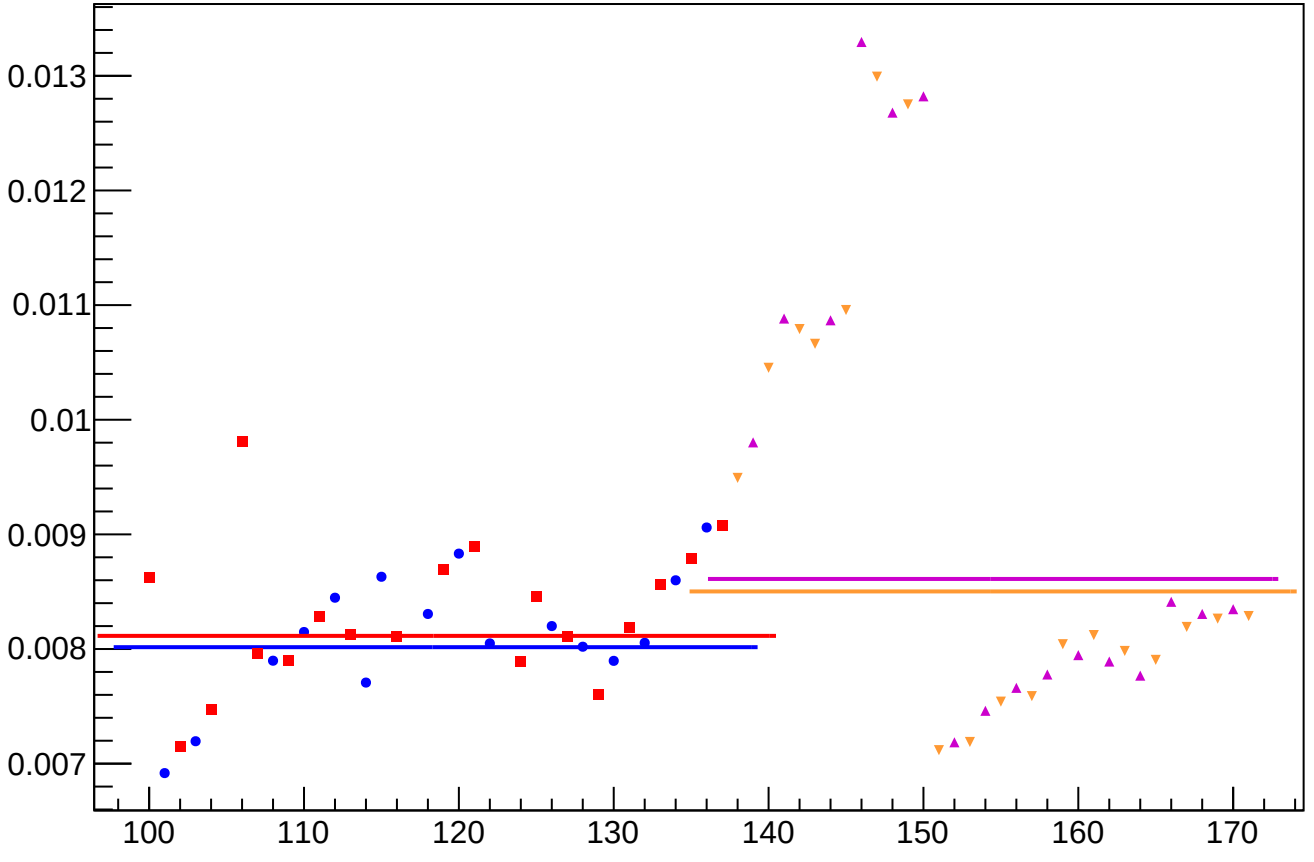
Left In: -2.529+/-0.000 χ^2/NDF:1393129798.6/15

+ sign -2.845+/-0.000 χ^2/NDF: 100028435224.9/33

All: -2.881+/-0.000 χ^2/NDF: 194678195753.1

- sign -2.921+/-0.000 χ^2/NDF: 93841737598.6/34

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:749065.2/17

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

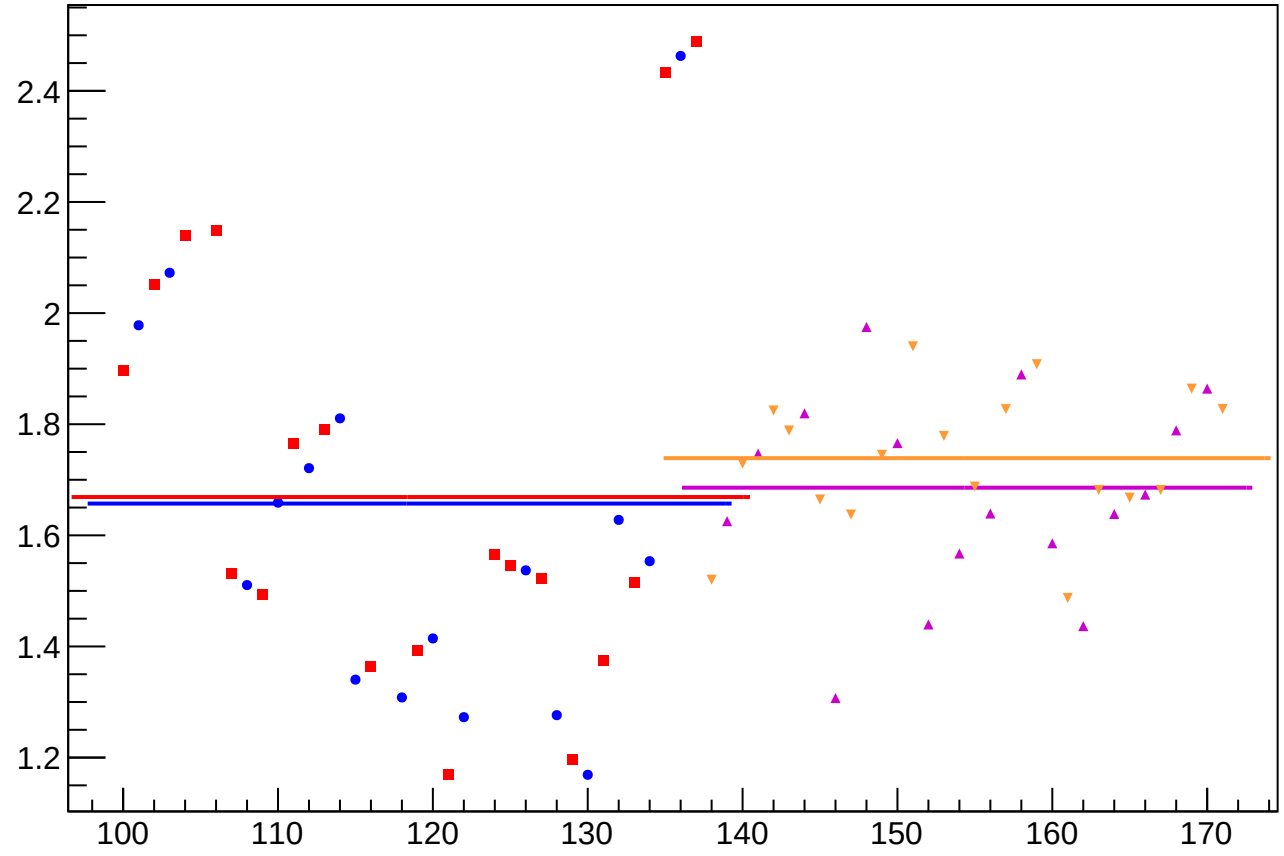
Left In: 0.009+/-0.000 χ^2/NDF:850074.3/15

+ sign 0.008+/-0.000 χ^2/NDF: 867417.9/33

All: 0.008+/-0.000 χ^2/NDF: 1823012.3/68

- sign 0.008+/-0.000 χ^2/NDF: 953160.0/34

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.739+/-0.000 χ^2/NDF:1512826361.2/17

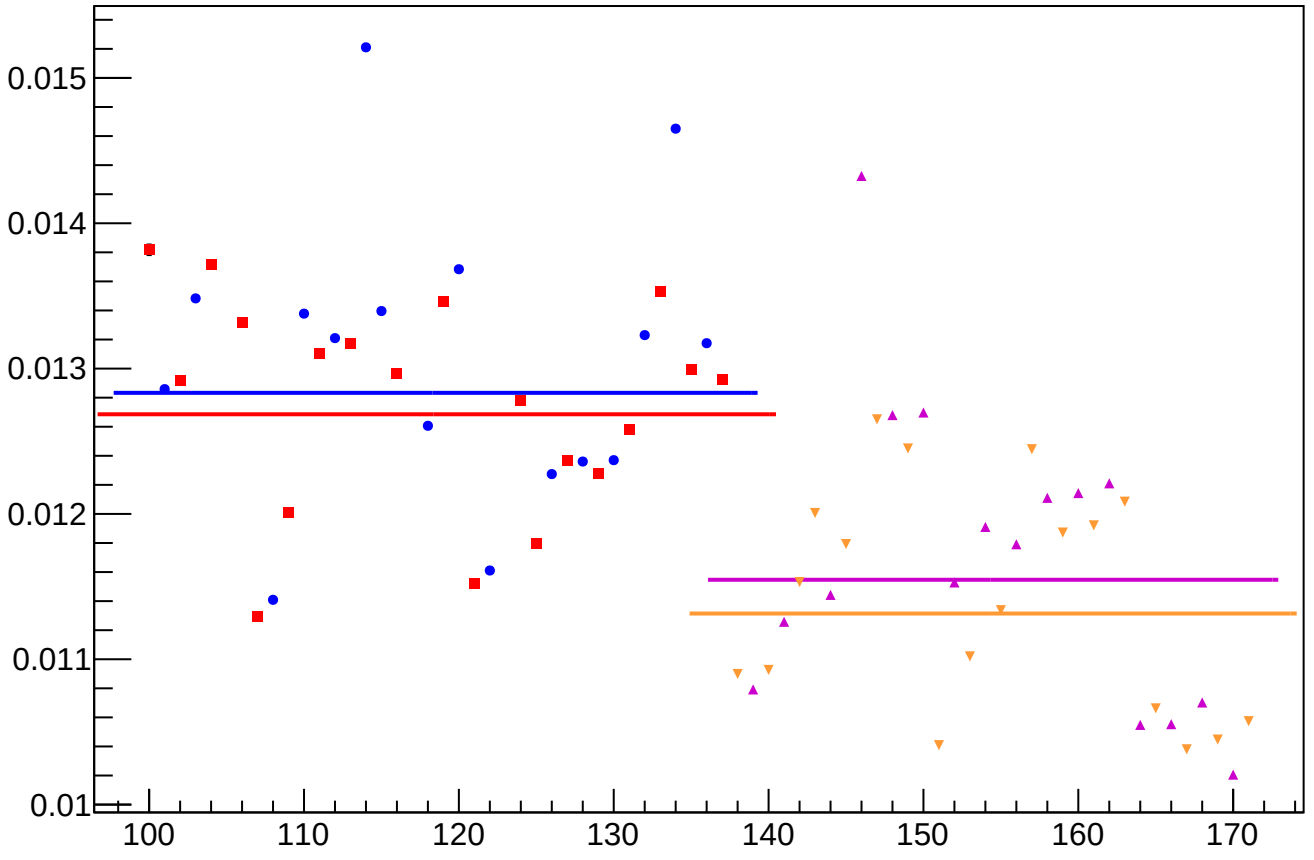
Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.686+/-0.000 χ^2/NDF:2523260797.9/15

+ sign 1.715+/-0.000 χ^2/NDF: 8381825702.5/33

All: 1.698+/-0.000 χ^2/NDF: 17359049968.6/6

- sign 1.680+/-0.000 χ^2/NDF: 8889407779.1/34



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:117454.2/17

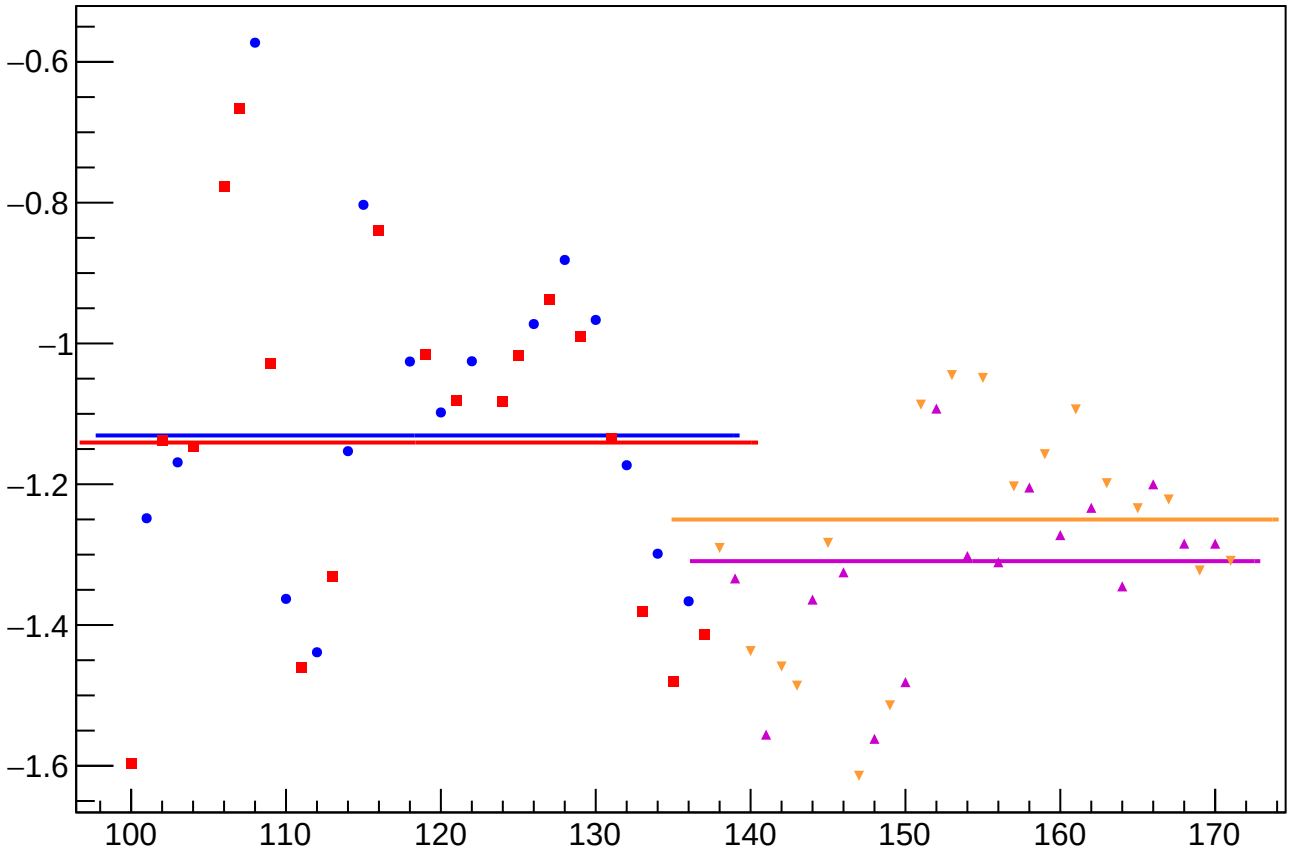
Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:166649.8/15

+ sign 0.012+/-0.000 χ^2/NDF: 309856.0/33

All: 0.012+/-0.000 χ^2/NDF: 602059.3/68

- sign 0.012+/-0.000 χ^2/NDF: 288283.0/34



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.250+/-0.000 χ^2/NDF:4511556208.9/17

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

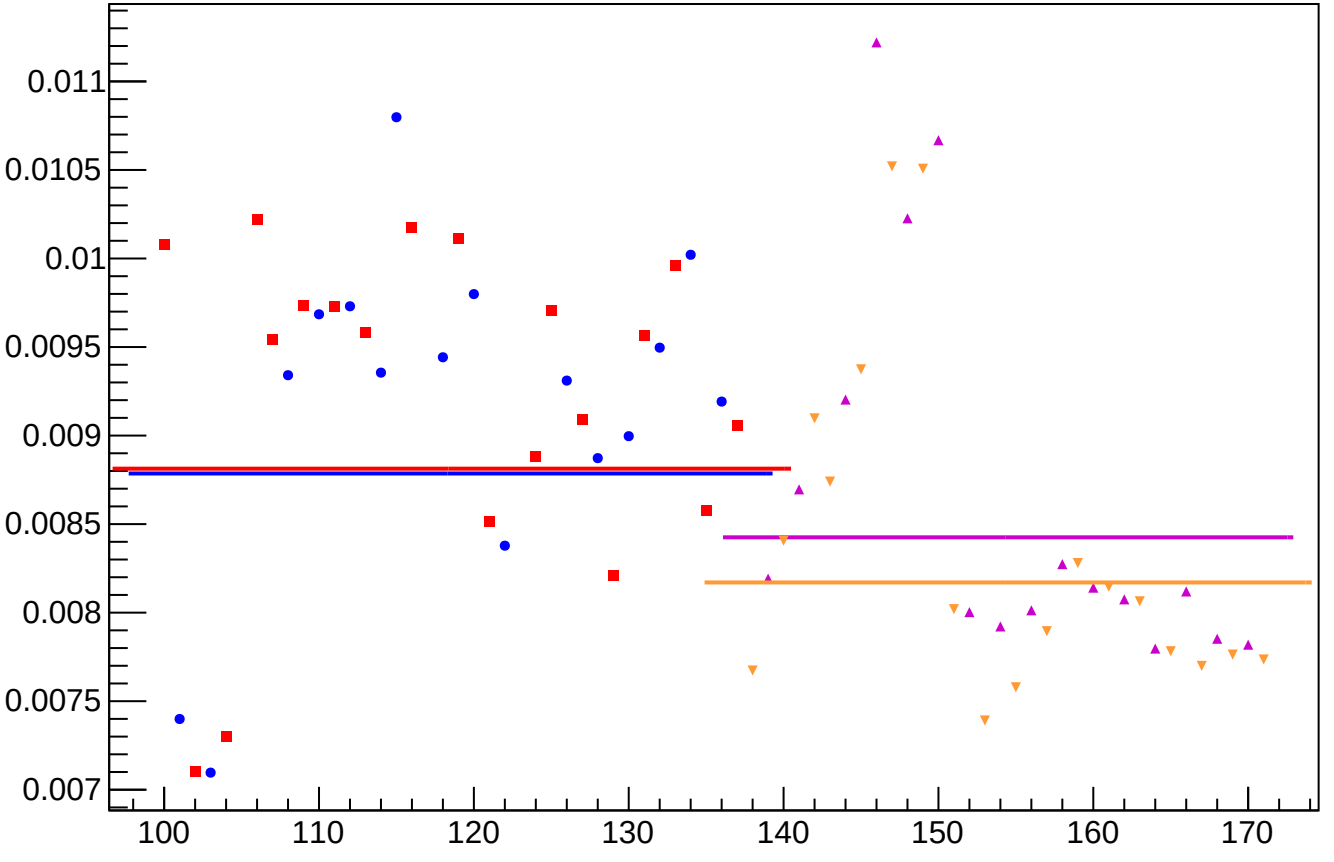
Left In: -1.309+/-0.000 χ^2/NDF:2283145848.4/15

+ sign -1.213+/-0.000 χ^2/NDF: 9173427936.2/33

All: -1.231+/-0.000 χ^2/NDF: 16873250362.3/

- sign -1.252+/-0.000 χ^2/NDF: 7496251833.5/34

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:231524.9/17

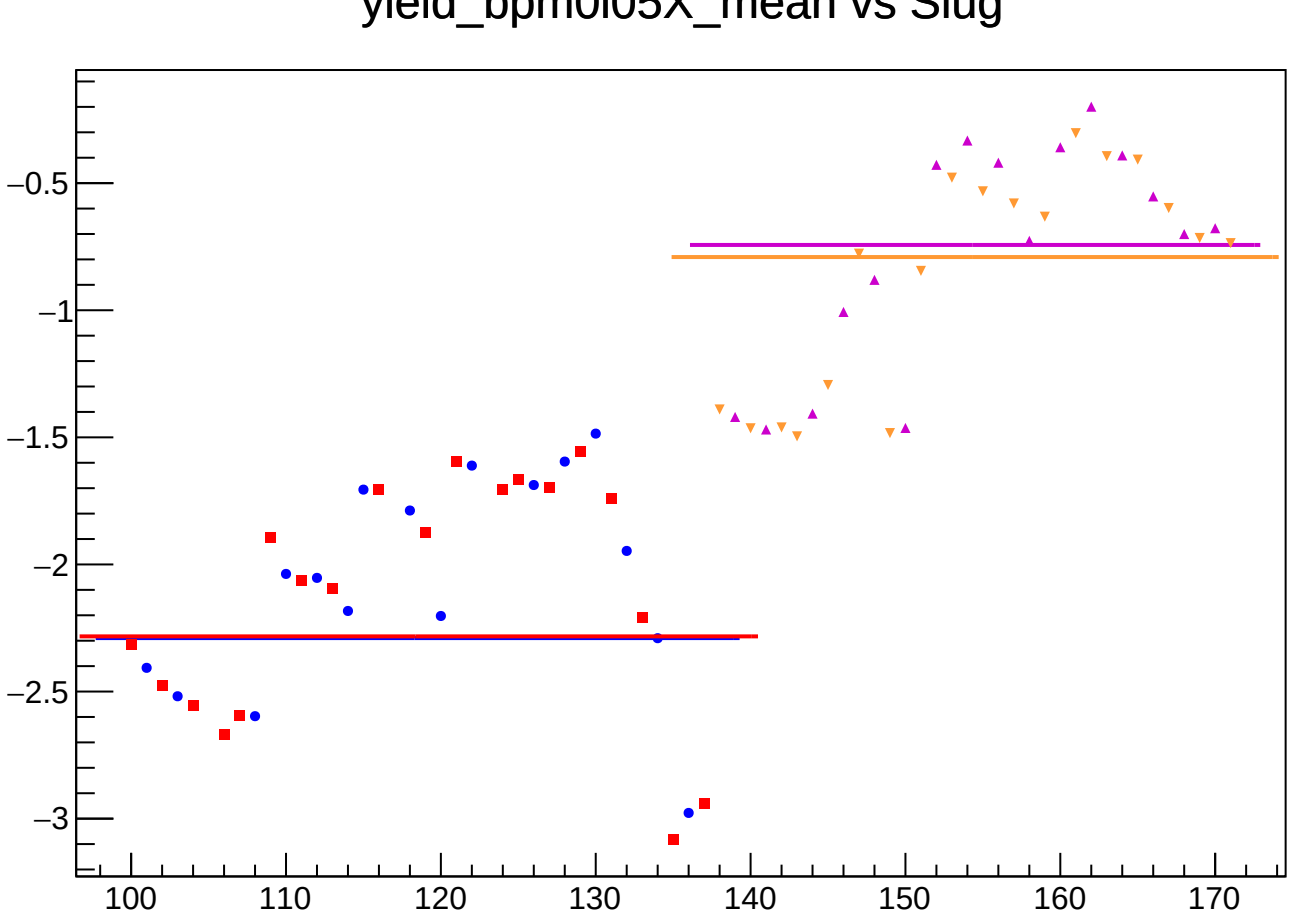
Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:261717.6/15

+ sign 0.008+/-0.000 χ^2/NDF: 451317.5/33

All: 0.008+/-0.000 χ^2/NDF: 945669.9/68

- sign 0.009+/-0.000 χ^2/NDF: 483838.4/34



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.791+/-0.000 χ^2/NDF:32633764996.6/17

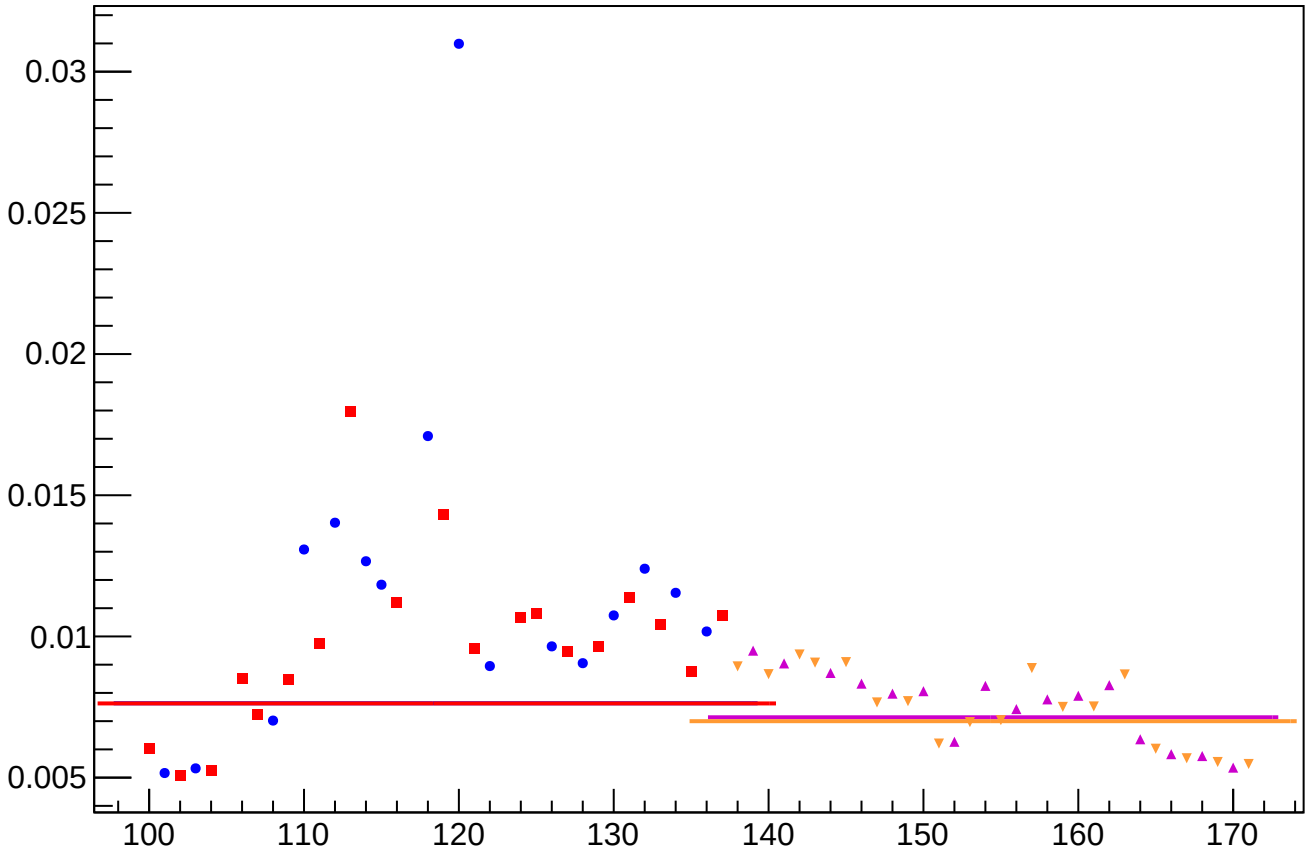
Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.743+/-0.000 χ^2/NDF:32690250005.3/15

+ sign -1.184+/-0.000 χ^2/NDF: 192450659196.2/33

All: -1.196+/-0.000 χ^2/NDF: 399787145984.2

- sign -1.209+/-0.000 χ^2/NDF: 207233714432.8/34



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:823278.8/17

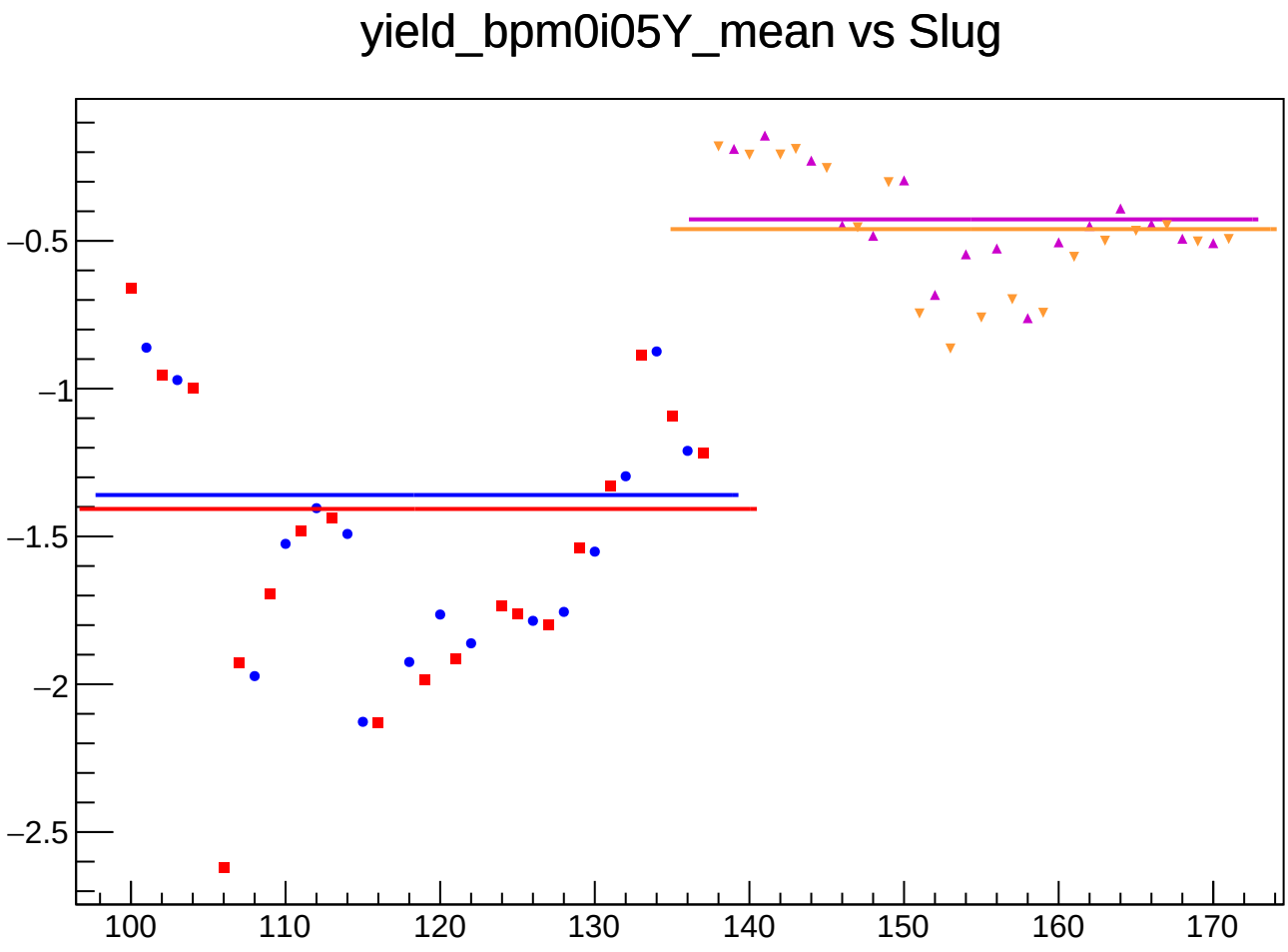
Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:730215.5/15

+ sign 0.007+/-0.000 χ^2/NDF: 2585862.7/33

All: 0.007+/-0.000 χ^2/NDF: 4670522.1/68

- sign 0.007+/-0.000 χ^2/NDF: 2079986.2/34



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.460+/-0.000 χ^2/NDF:28038504306.5/17

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

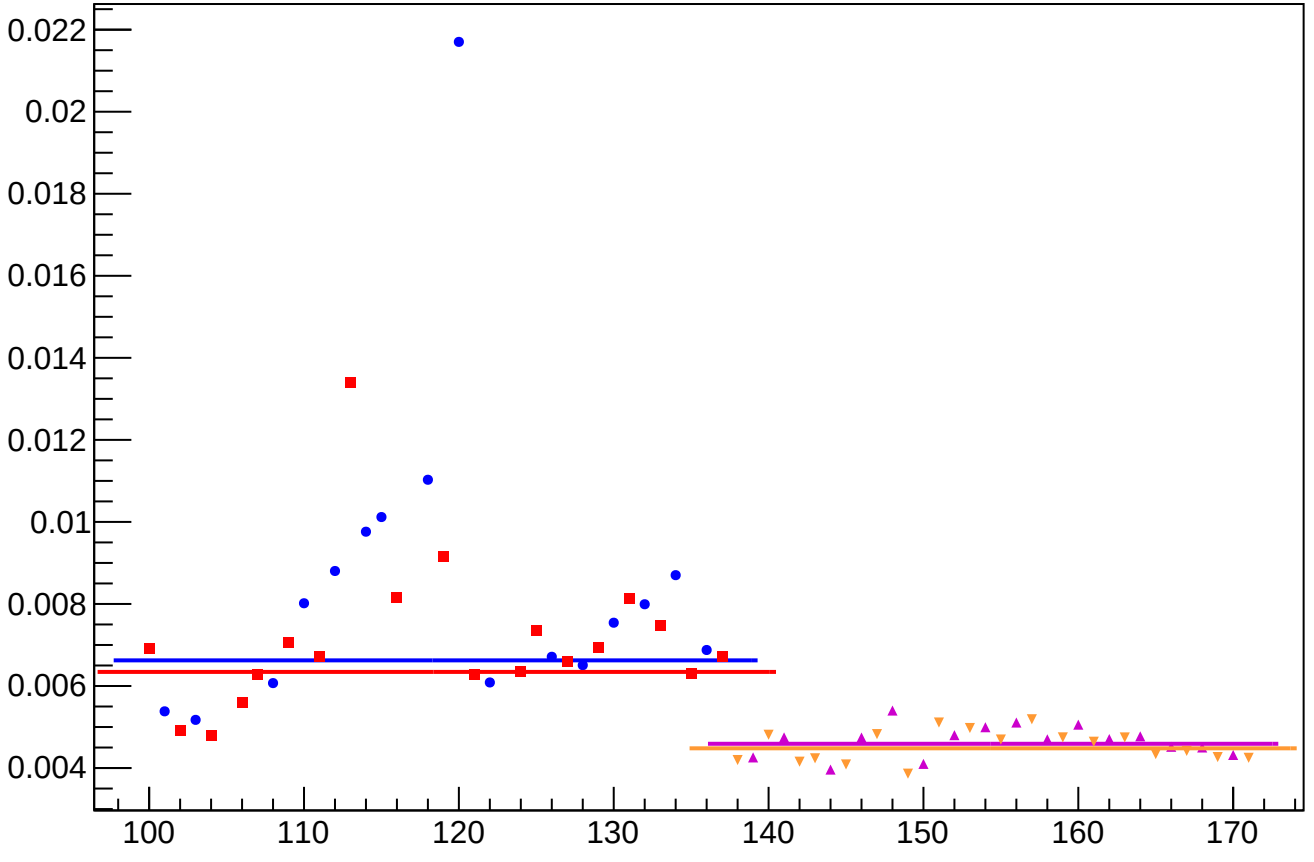
Left In: -0.427+/-0.000 χ^2/NDF:16036109750.2/15

+ sign -0.615+/-0.000 χ^2/NDF: 137949252566.6/33

All: -0.625+/-0.000 χ^2/NDF: 298778658832.4

- sign -0.637+/-0.000 χ^2/NDF: 160650328341.1/34

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:167737.3/17

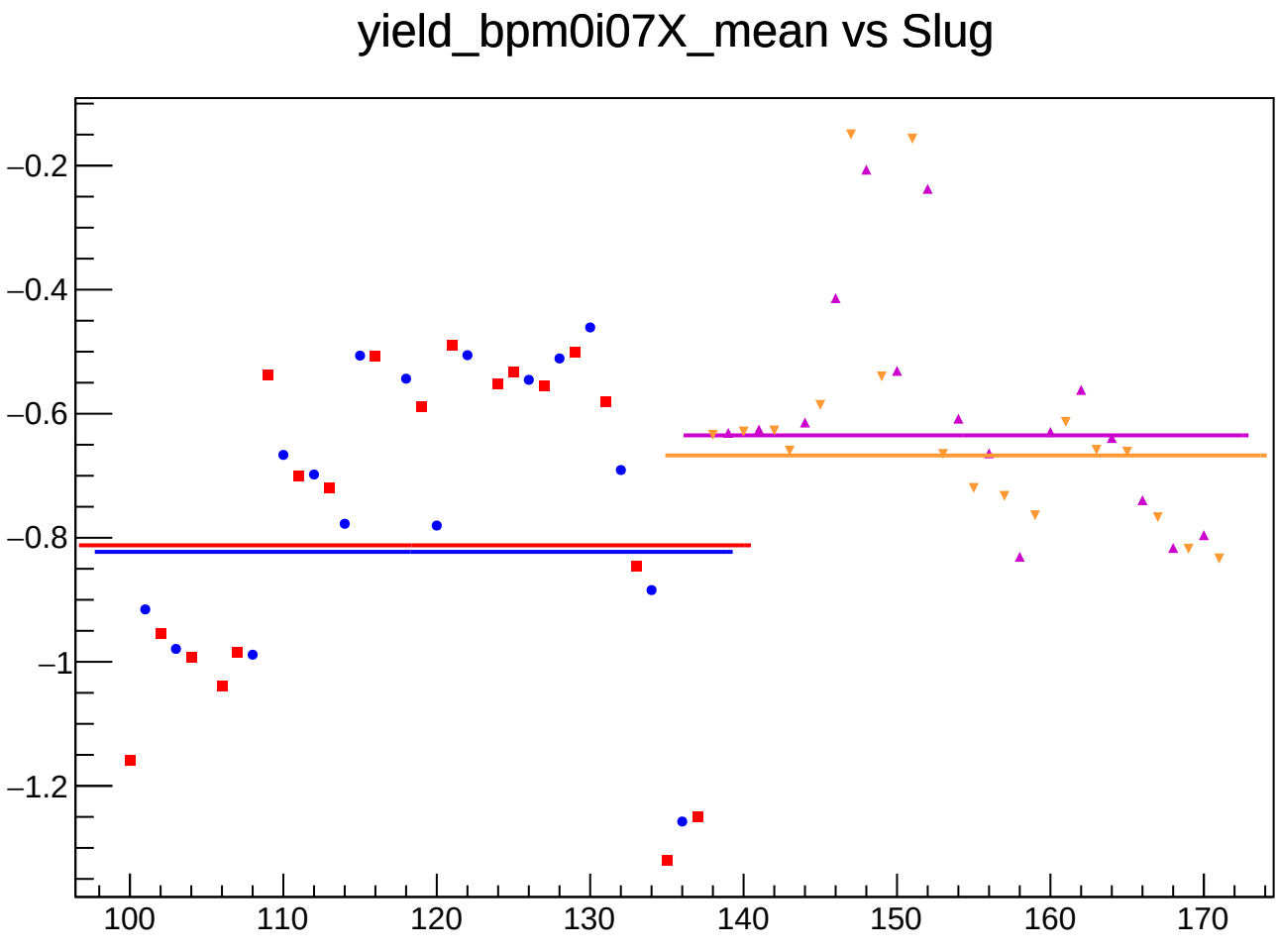
Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:157258.7/15

+ sign 0.005+/-0.000 χ^2/NDF: 1866523.4/33

All: 0.005+/-0.000 χ^2/NDF: 3297491.7/68

- sign 0.005+/-0.000 χ^2/NDF: 1420786.0/34



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.667+/-0.000 χ^2/NDF:20925135175.6/17

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

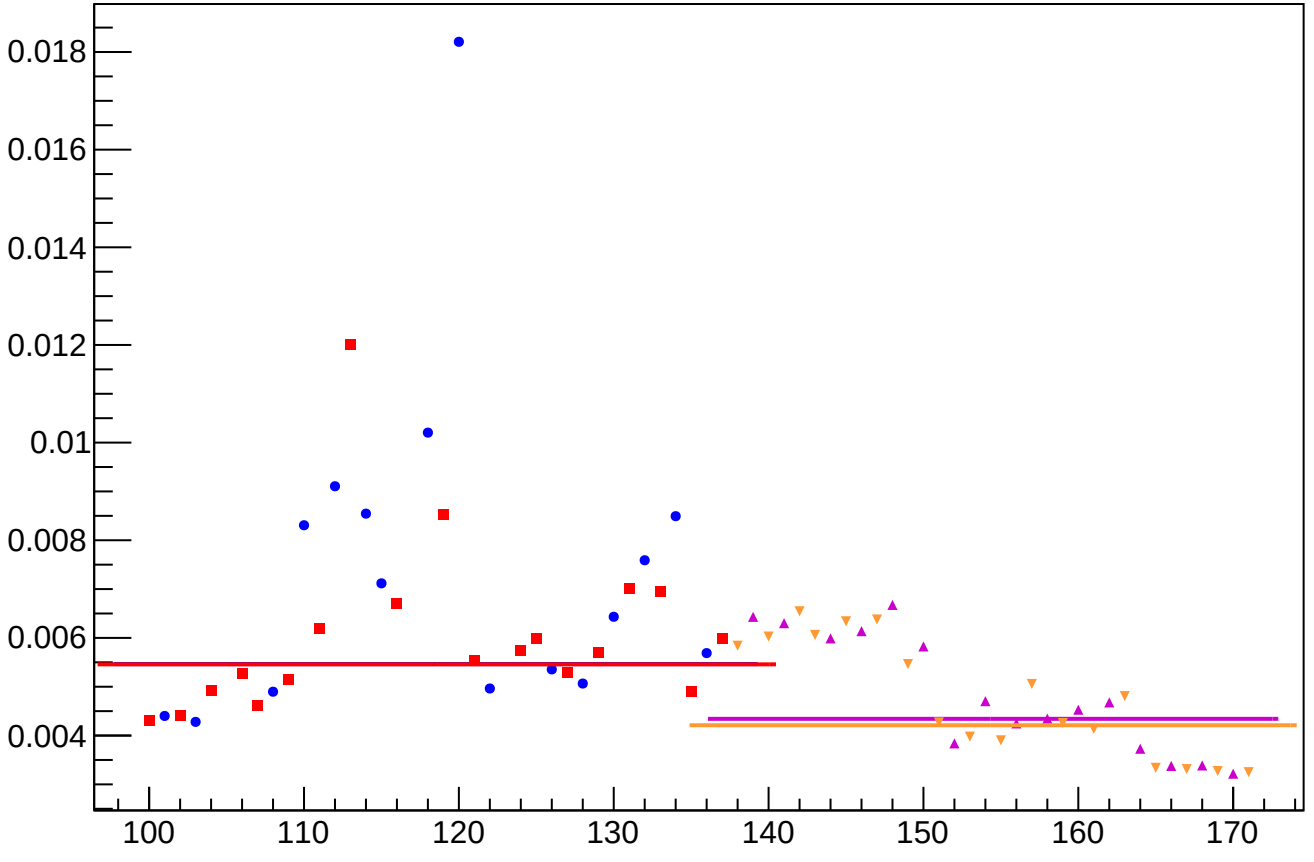
Left In: -0.635+/-0.000 χ^2/NDF:19582515091.9/15

+ sign -0.701+/-0.000 χ^2/NDF: 36650667328.6/33

All: -0.691+/-0.000 χ^2/NDF: 75951125794.6/

- sign -0.680+/-0.000 χ^2/NDF: 39125517656.7/34

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1407928.1/17

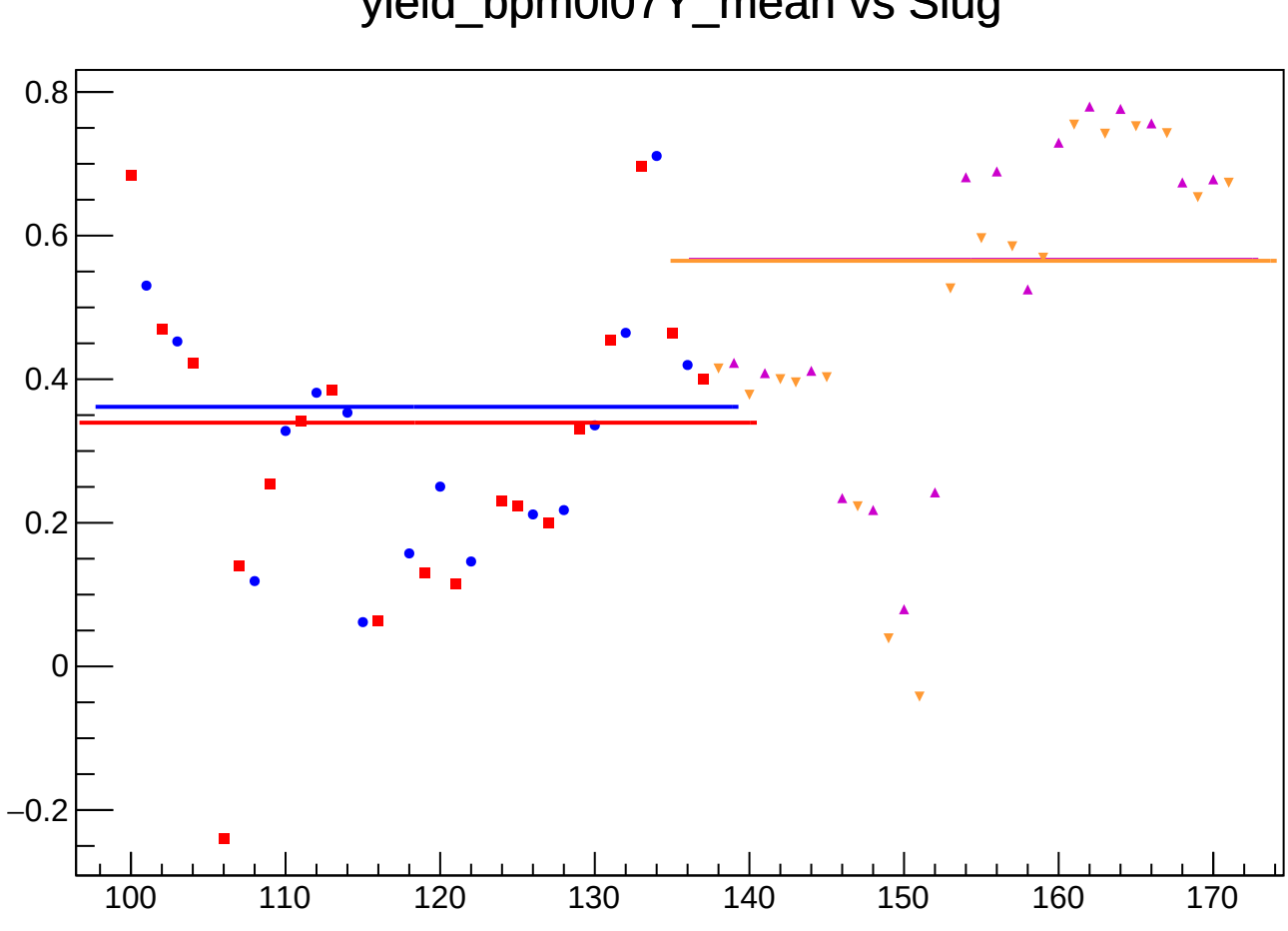
Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1344177.2/15

+ sign 0.004+/-0.000 χ^2/NDF: 2823504.4/33

All: 0.005+/-0.000 χ^2/NDF: 5066882.9/68

- sign 0.005+/-0.000 χ^2/NDF: 2225837.4/34



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.565+/-0.000 χ^2/NDF:39173102195.3/17

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

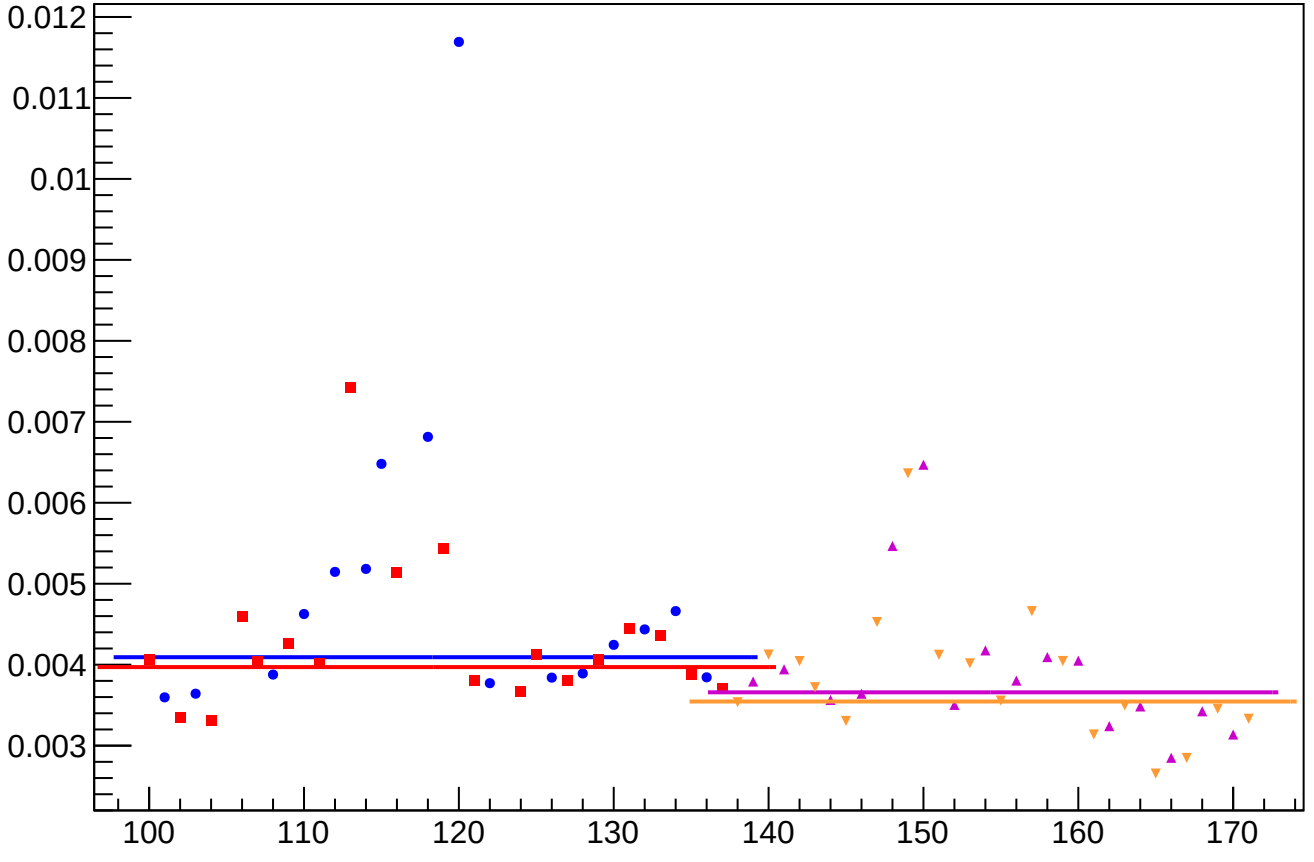
Left In: 0.566+/-0.000 χ^2/NDF:33252614157.8/15

+ sign 0.506+/-0.000 χ^2/NDF: 58718465778.2/33

All: 0.498+/-0.000 χ^2/NDF: 118016908911.2

- sign 0.489+/-0.000 χ^2/NDF: 59113743190.2/34

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:747281.4/17

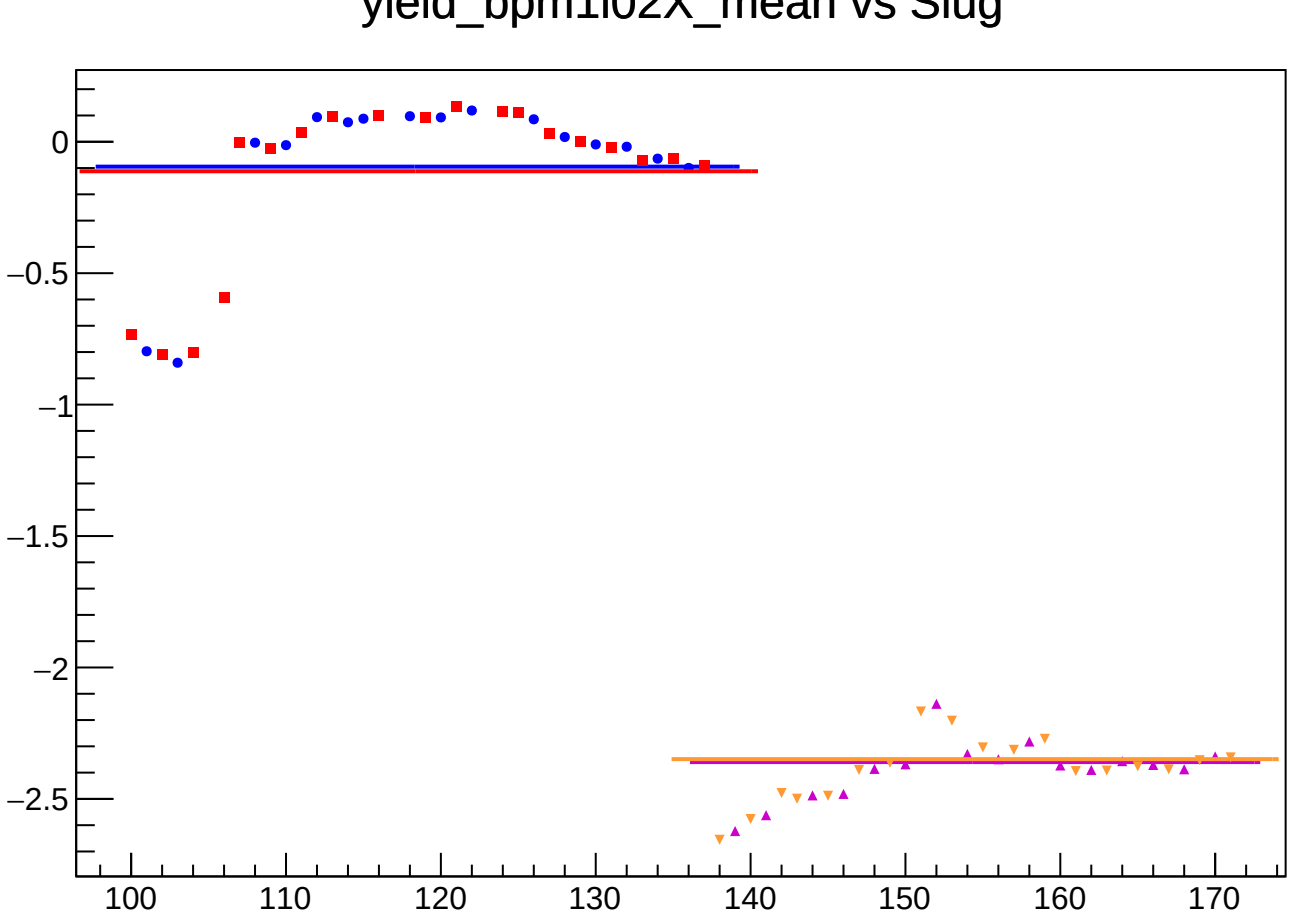
Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:630886.8/15

+ sign 0.004+/-0.000 χ^2/NDF: 1394931.1/33

All: 0.004+/-0.000 χ^2/NDF: 2396294.5/68

- sign 0.004+/-0.000 χ^2/NDF: 996646.0/34



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1672492936.7/17

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

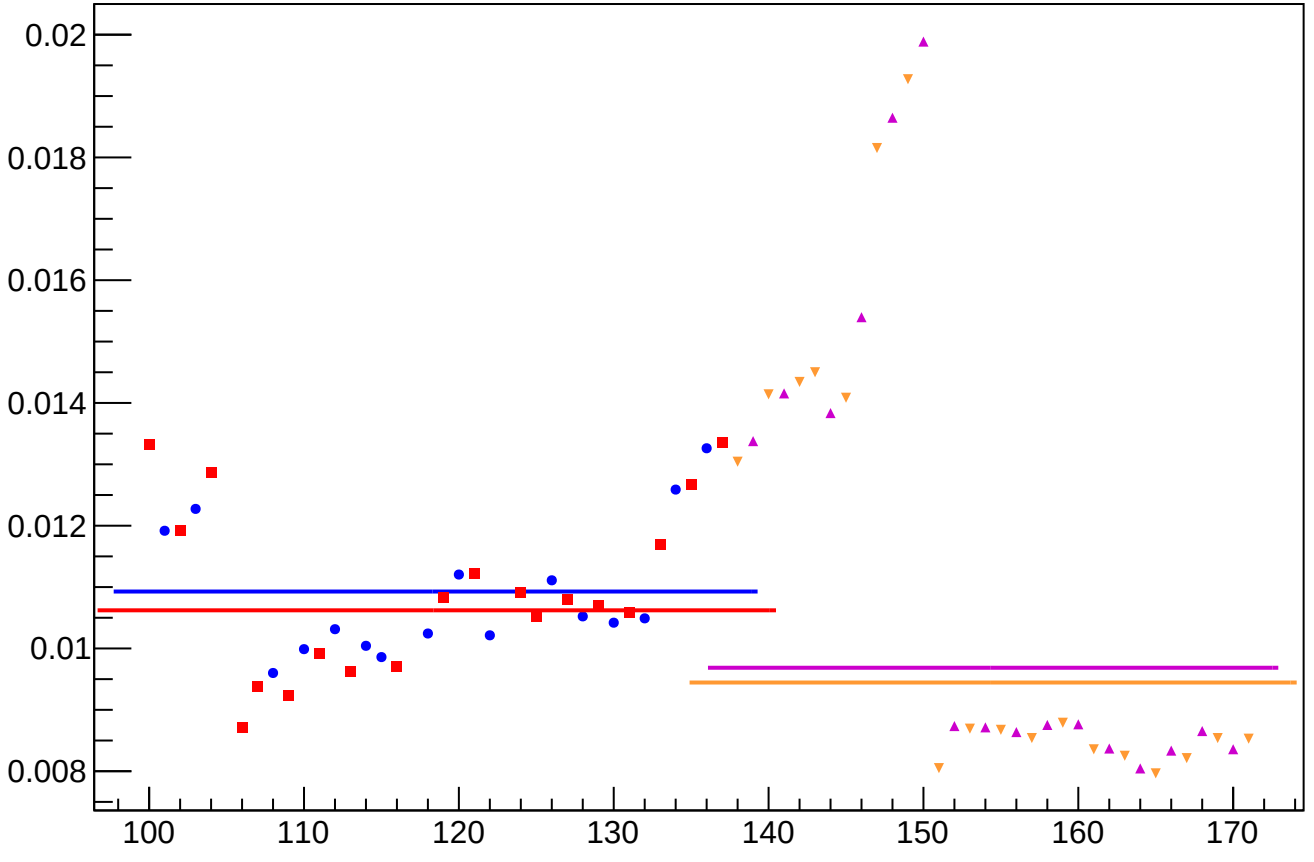
Left In: -2.360+/-0.000 χ^2/NDF:1297057945.0/15

+ sign -1.701+/-0.000 χ^2/NDF: 223097191337.3/33

All: -1.656+/-0.000 χ^2/NDF: 451122367908.0

- sign -1.608+/-0.000 χ^2/NDF: 227162225115.8/34

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1864373.7/17

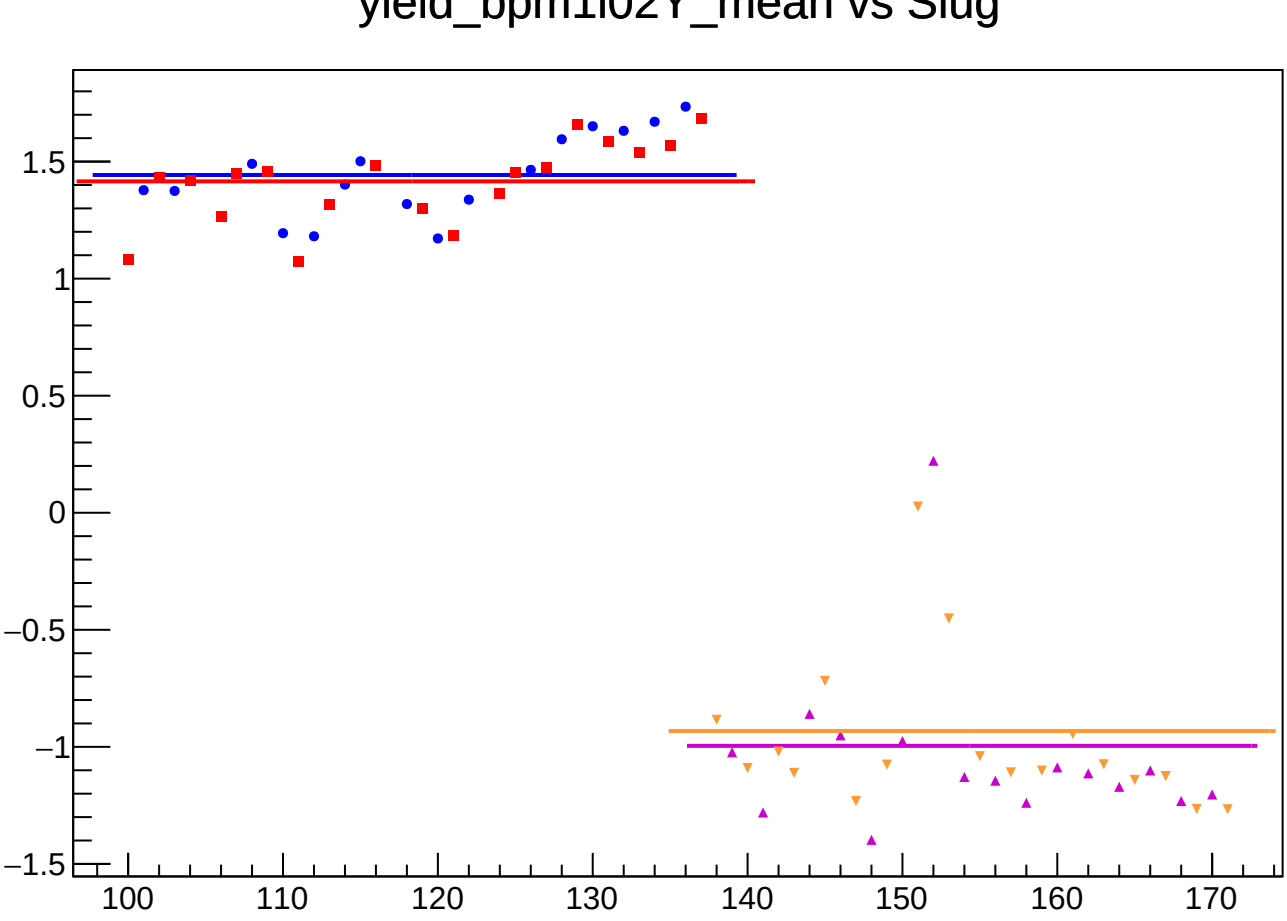
Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1854371.2/15

+ sign 0.010+/-0.000 χ^2/NDF: 2187633.8/33

All: 0.010+/-0.000 χ^2/NDF: 4311955.3/68

- sign 0.010+/-0.000 χ^2/NDF: 2121059.2/34



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.932+/-0.000 χ^2/NDF:34432557471.7/17

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

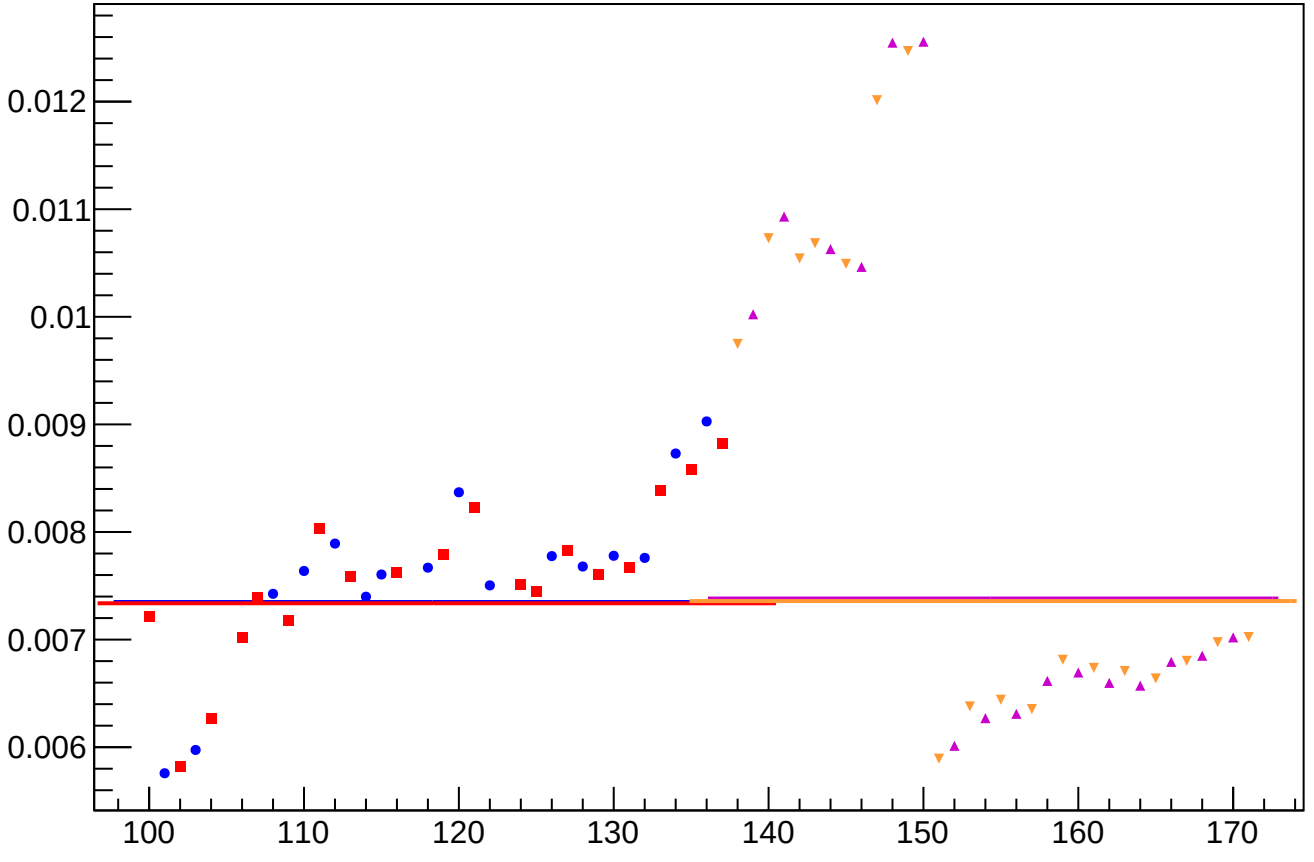
Left In: -0.996+/-0.000 χ^2/NDF:41746277721.3/15

+ sign -0.111+/-0.000 χ^2/NDF: 520984469999.2/33

All: -0.101+/-0.000 χ^2/NDF: 1062439490998

- sign -0.089+/-0.000 χ^2/NDF: 541366781148.1/34

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1457169.3/17

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

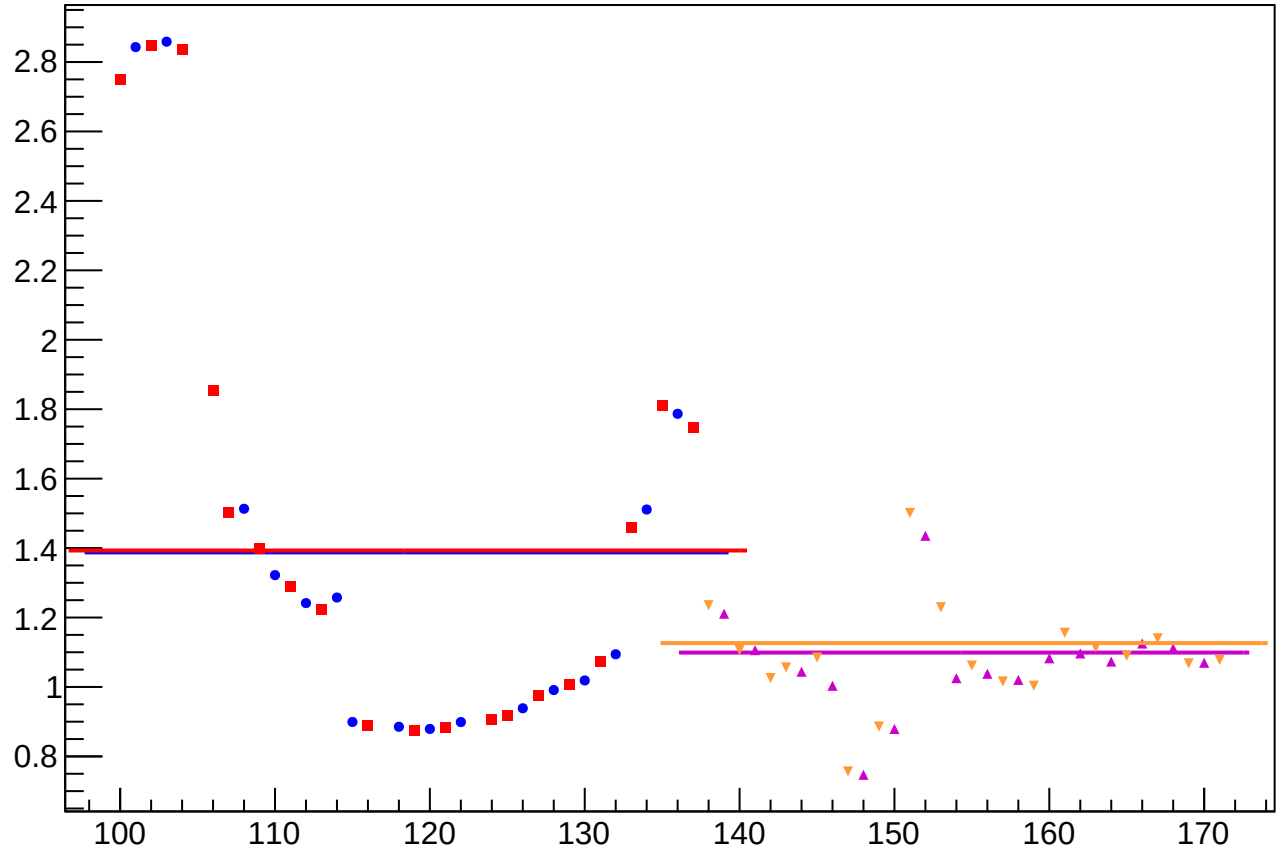
Left In: 0.007+/-0.000 χ^2/NDF:1508618.5/15

+ sign 0.007+/-0.000 χ^2/NDF: 1728046.9/33

All: 0.007+/-0.000 χ^2/NDF: 3432410.7/68

- sign 0.007+/-0.000 χ^2/NDF: 1704326.6/34

yield_bpm1i04X_mean vs Slug



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.126+/-0.000 χ^2/NDF:5449717096.0/17

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

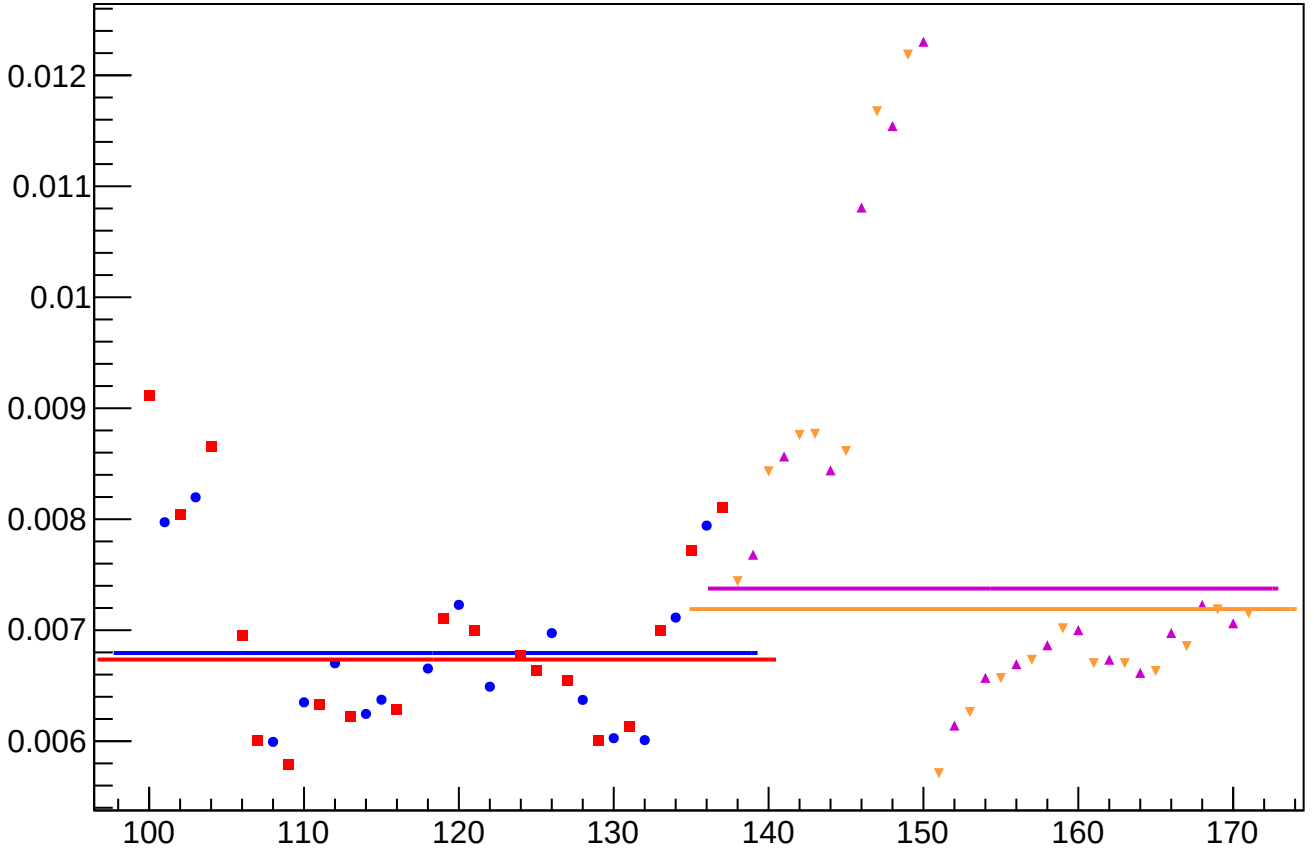
Left In: 1.099+/-0.000 χ^2/NDF:4178633200.2/15

+ sign 1.224+/-0.000 χ^2/NDF: 70646978797.6/33

All: 1.222+/-0.000 χ^2/NDF: 138394412534.9

- sign 1.221+/-0.000 χ^2/NDF: 67745882516.3/34

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:825022.8/17

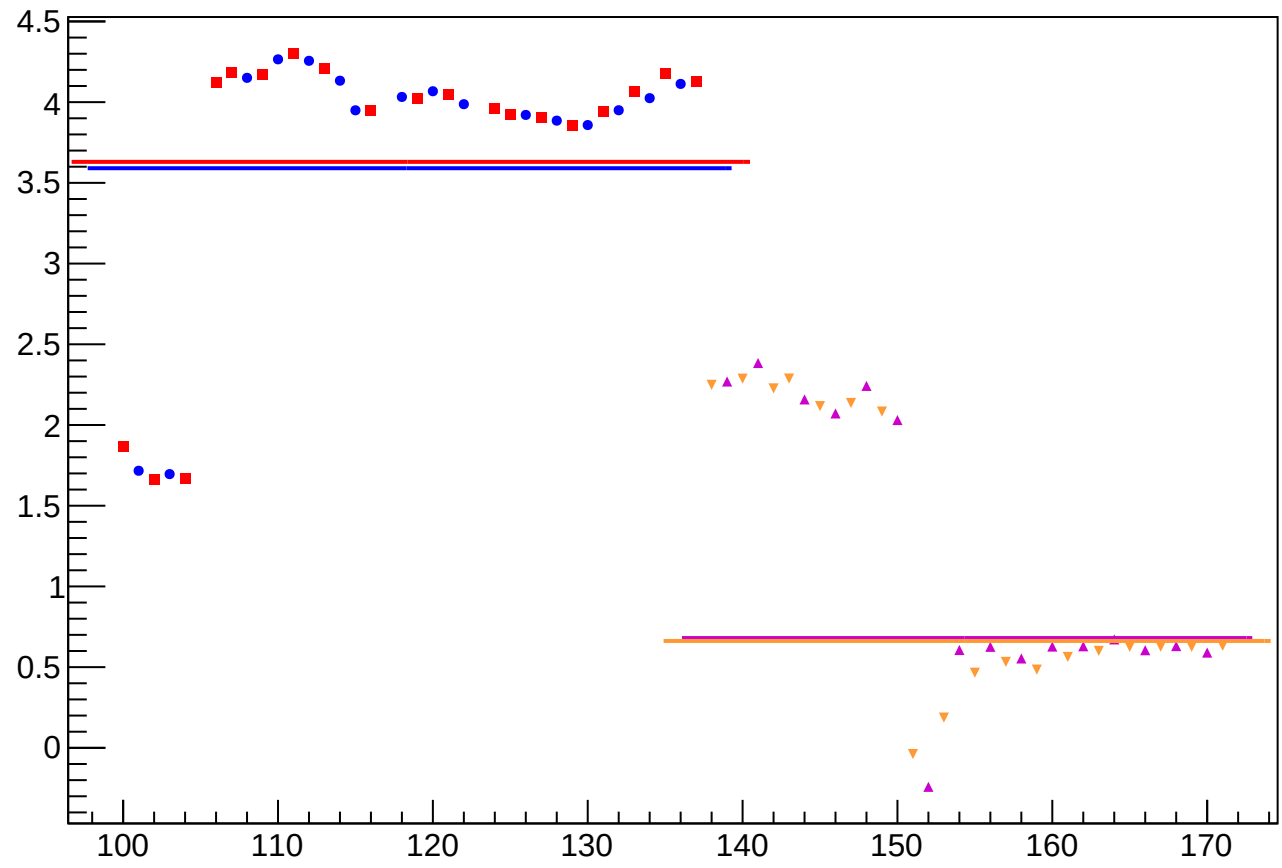
Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:859898.8/15

+ sign 0.007+/-0.000 χ^2/NDF: 1019719.1/33

All: 0.007+/-0.000 χ^2/NDF: 2157553.5/68

- sign 0.007+/-0.000 χ^2/NDF: 1136014.4/34



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.662+/-0.000 χ^2/NDF:244332583178.5/17

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

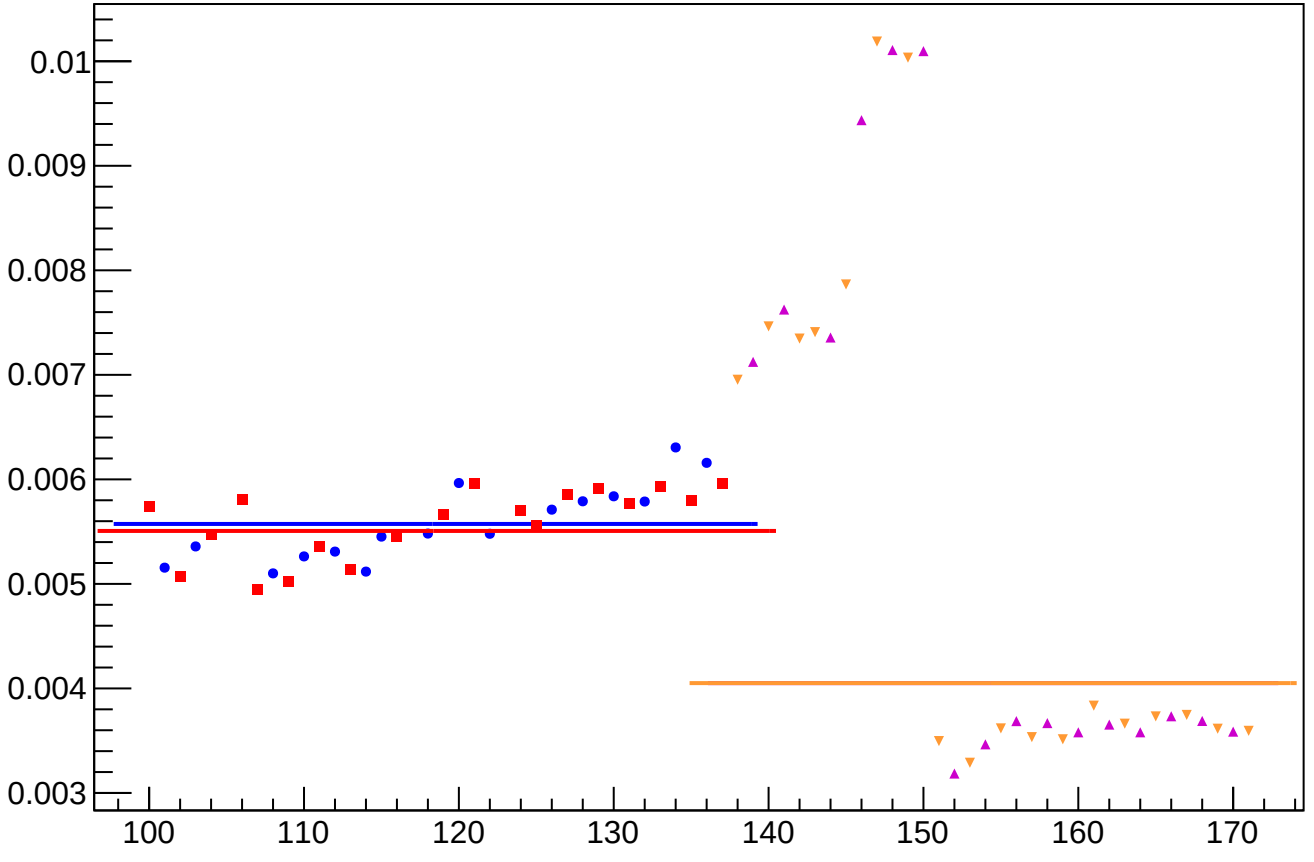
Left In: 0.680+/-0.000 χ^2/NDF:242986359181.0/15

+ sign 1.356+/-0.000 χ^2/NDF: 1956041213768.6/33

All: 1.401+/-0.000 χ^2/NDF: 3965562606523.

- sign 1.448+/-0.000 χ^2/NDF: 2005532715762.5/34

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:2840122.2/17

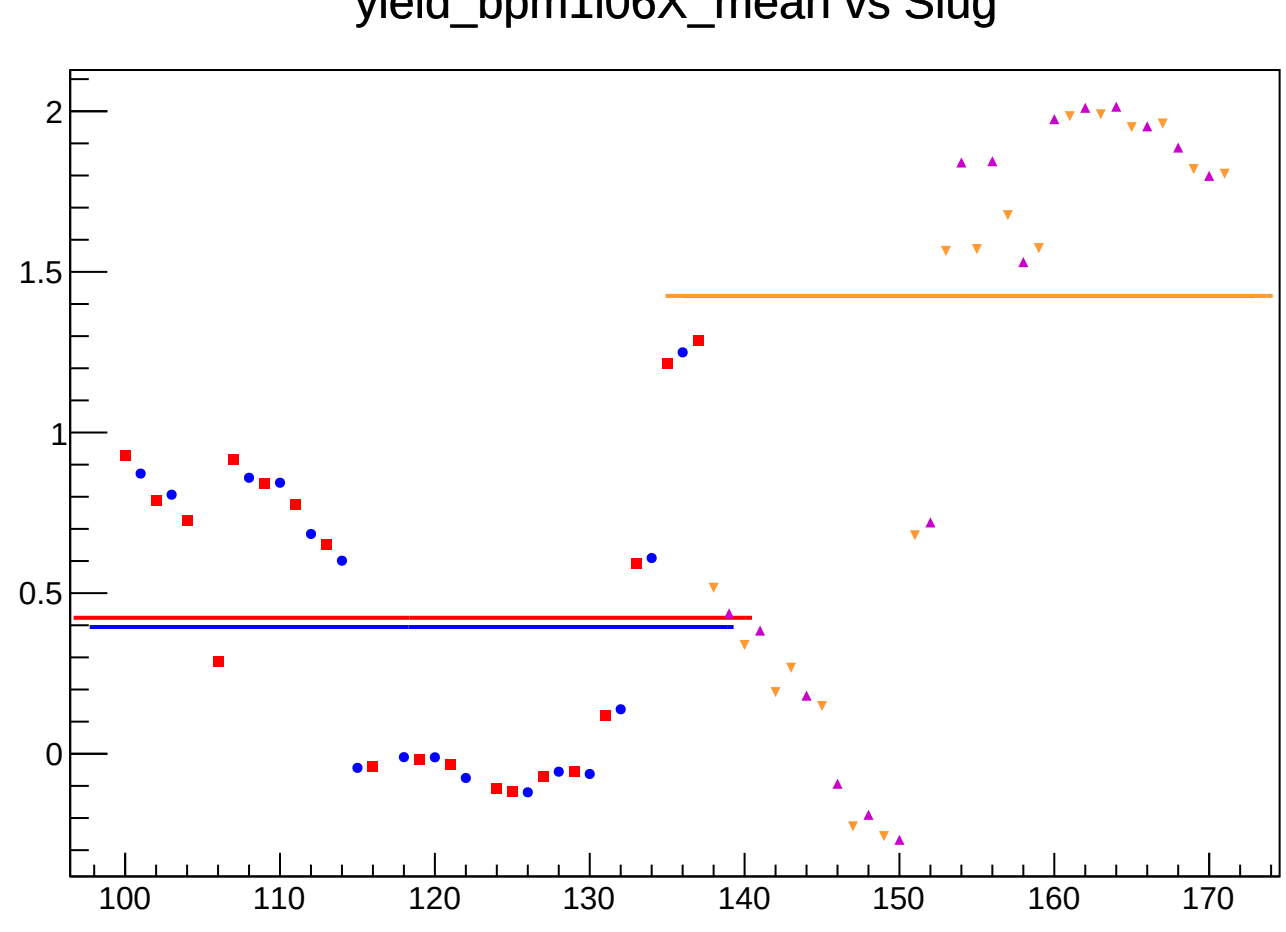
Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3013452.0/15

+ sign 0.004+/-0.000 χ^2/NDF: 3715446.6/33

All: 0.004+/-0.000 χ^2/NDF: 7541745.3/68

- sign 0.004+/-0.000 χ^2/NDF: 3825995.2/34



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.425+/-0.000 χ^2/NDF:52131466970.6/17

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

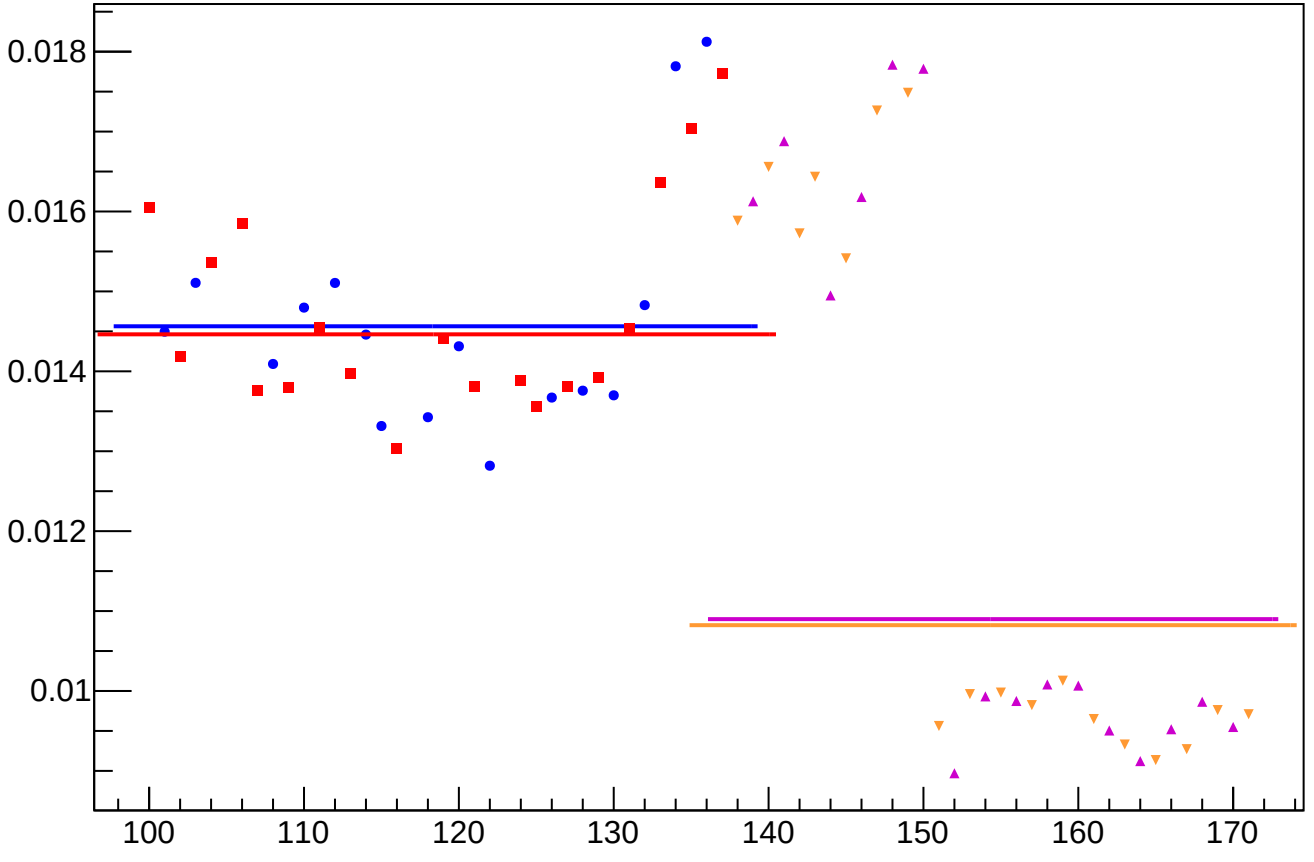
Left In: 1.425+/-0.000 χ^2/NDF:56316514117.9/15

+ sign 1.190+/-0.000 χ^2/NDF: 86981854554.5/33

All: 1.182+/-0.000 χ^2/NDF: 176365967026.1

- sign 1.173+/-0.000 χ^2/NDF: 89362490252.0/34

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:1503007.5/17

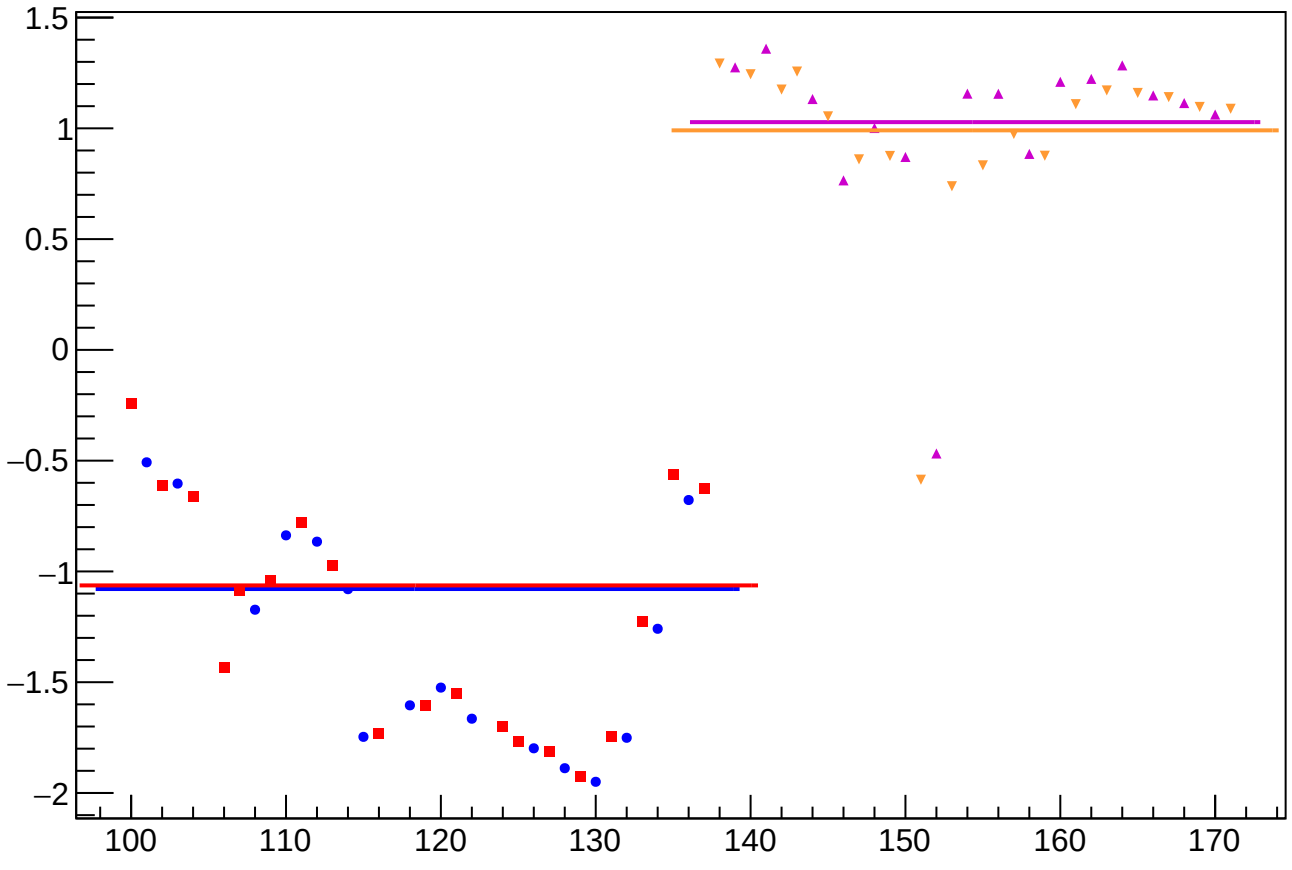
Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1518545.3/15

+ sign 0.012+/-0.000 χ^2/NDF: 2358809.3/33

All: 0.012+/-0.000 χ^2/NDF: 4618814.5/68

- sign 0.012+/-0.000 χ^2/NDF: 2257961.7/34



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.991+/-0.000 χ^2/NDF:109525576674.5/17

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

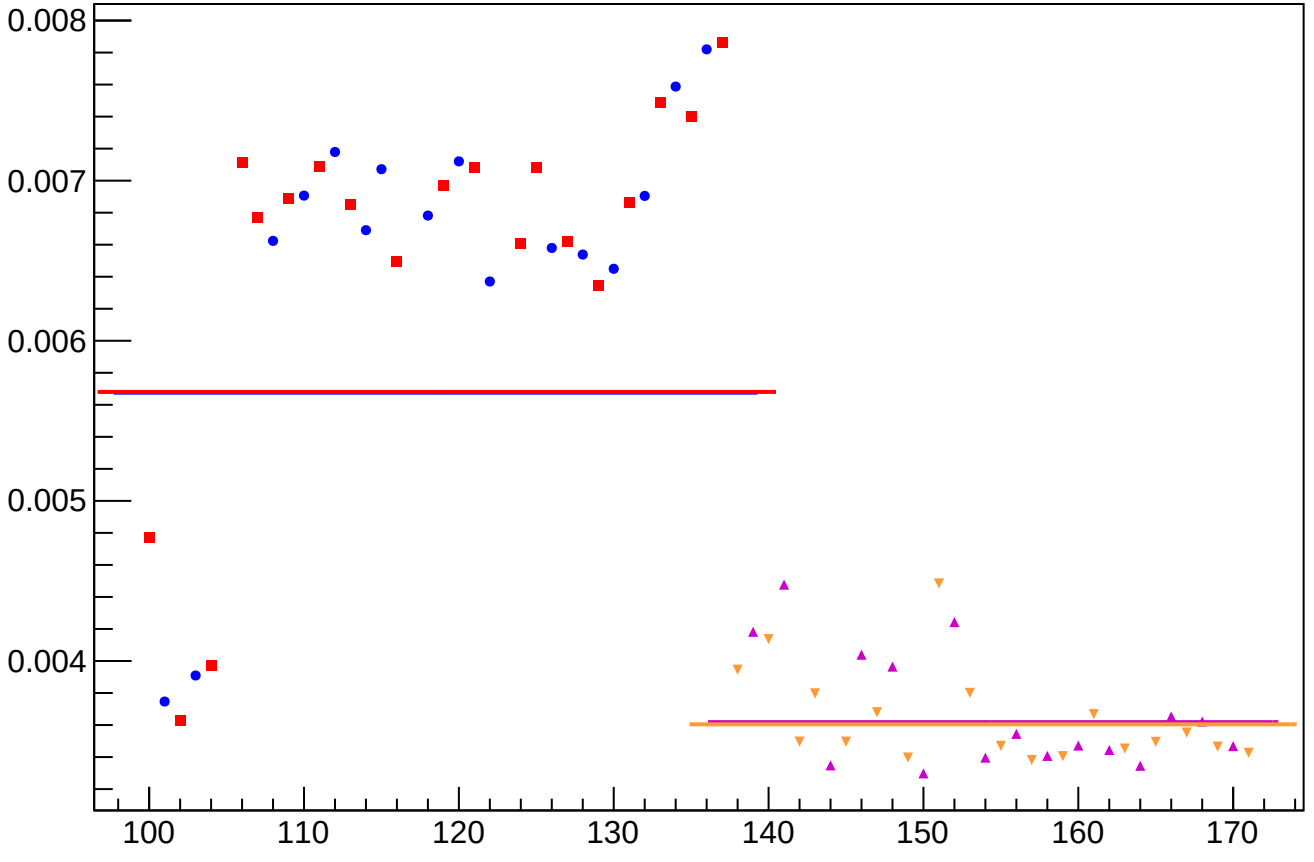
Left In: 1.028+/-0.000 χ^2/NDF:124818205464.5/15

+ sign 0.647+/-0.000 χ^2/NDF: 875592795758.3/33

All: 0.648+/-0.000 χ^2/NDF: 1765828465437.

- sign 0.649+/-0.000 χ^2/NDF: 890232624347.0/34

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:131112.1/17

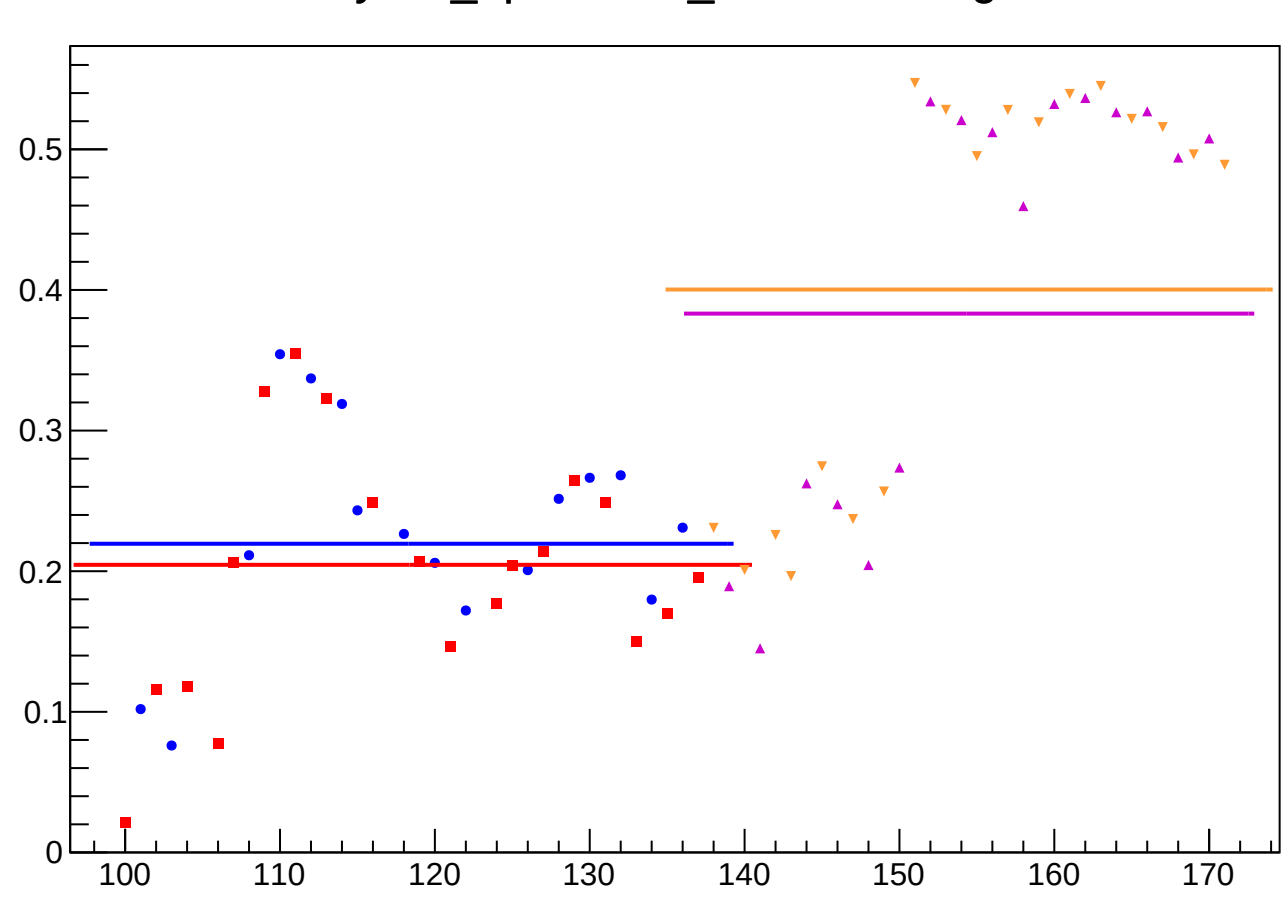
Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:206041.3/15

+ sign 0.004+/-0.000 χ^2/NDF: 2490178.5/33

All: 0.004+/-0.000 χ^2/NDF: 5070994.3/68

- sign 0.004+/-0.000 χ^2/NDF: 2578698.7/34



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.400+/-0.000 χ^2/NDF:133282625069.9/17

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

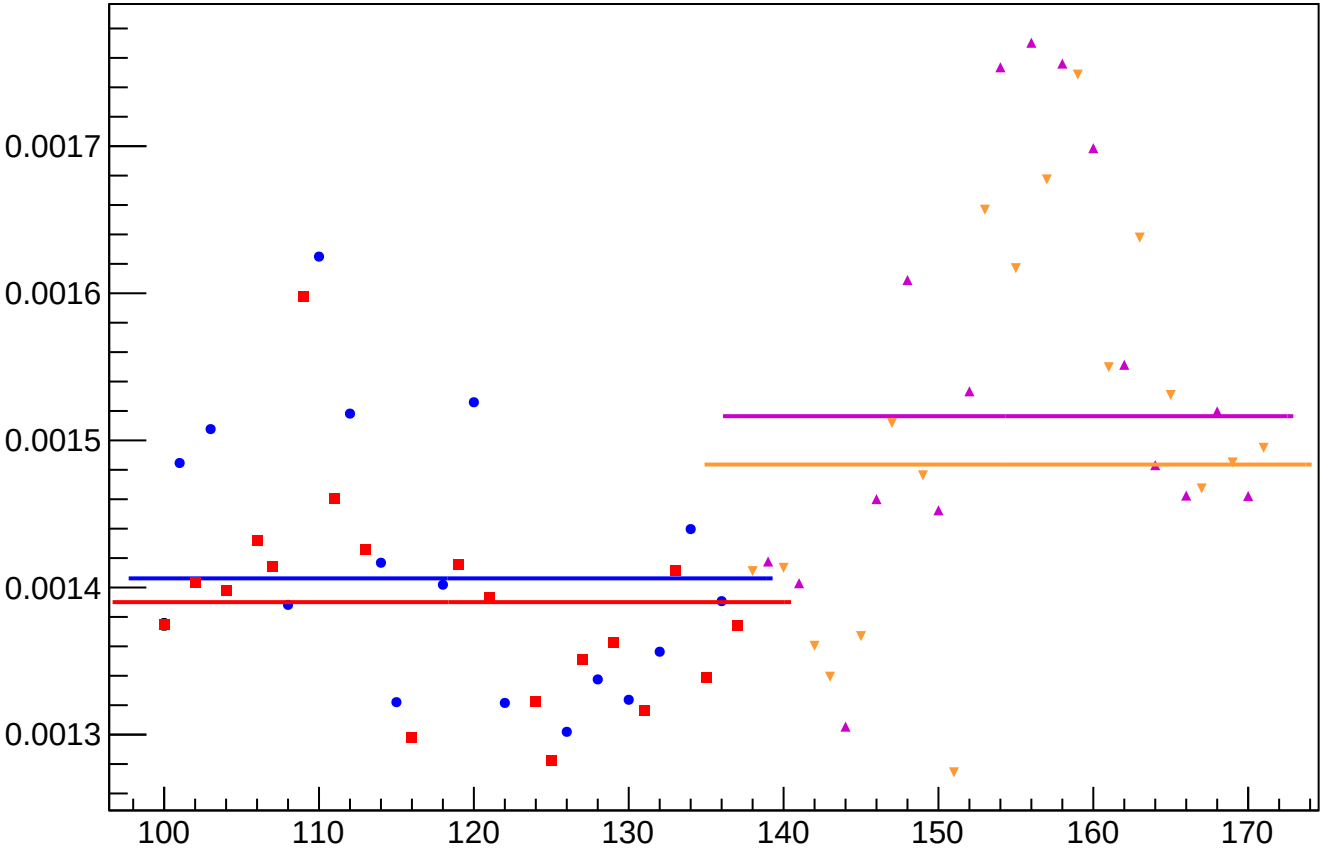
Left In: 0.383+/-0.000 χ^2/NDF:126036049995.7/15

+ sign 0.336+/-0.000 χ^2/NDF: 223918033654.1/33

All: 0.324+/-0.000 χ^2/NDF: 447462887154.9

- sign 0.311+/-0.000 χ^2/NDF: 220541028354.6/34

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:200903.9/17

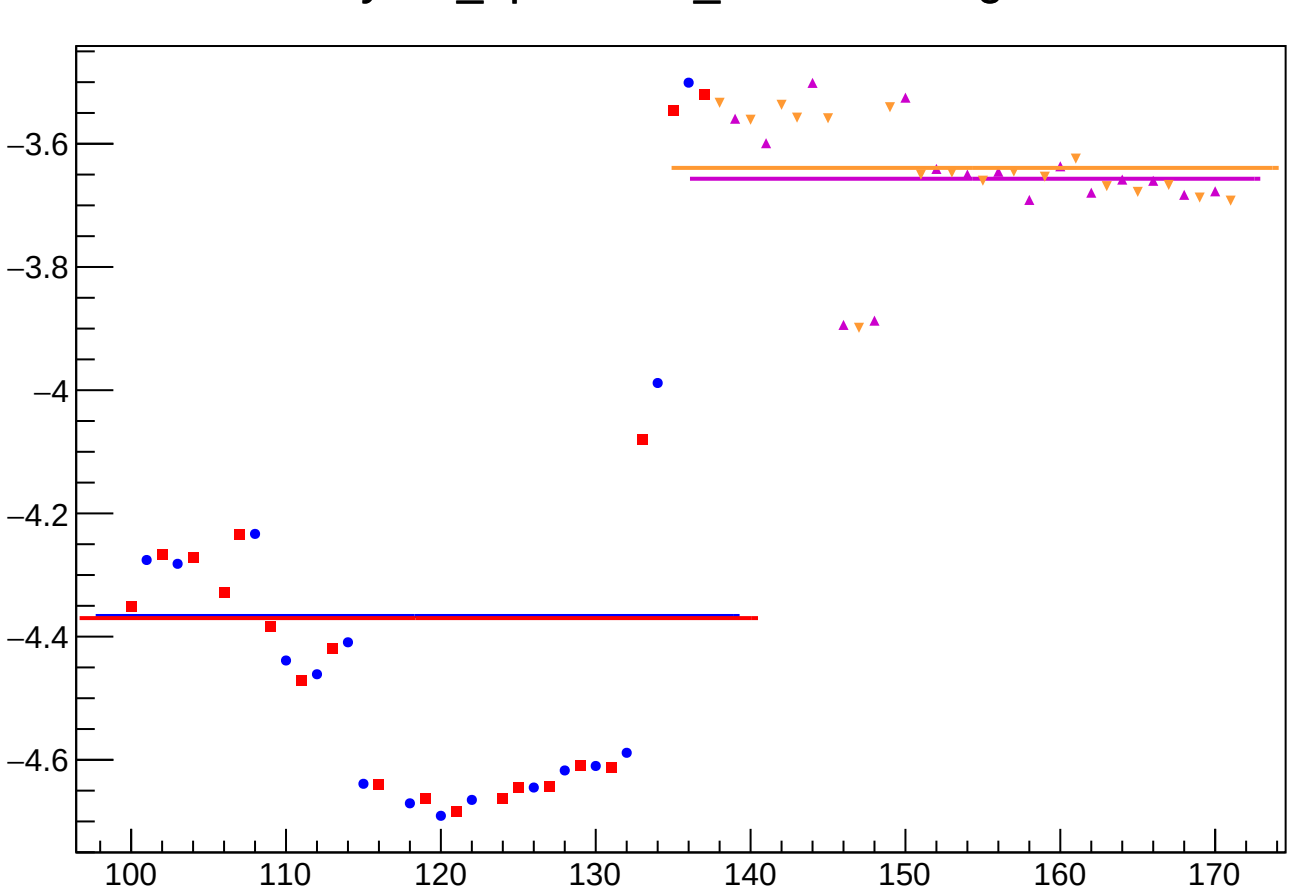
Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:198757.8/15

+ sign 0.001+/-0.000 χ^2/NDF: 276182.1/33

All: 0.001+/-0.000 χ^2/NDF: 582857.7/68

- sign 0.001+/-0.000 χ^2/NDF: 305835.0/34



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.639+/-0.000 χ^2/NDF:24086657880.5/17

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

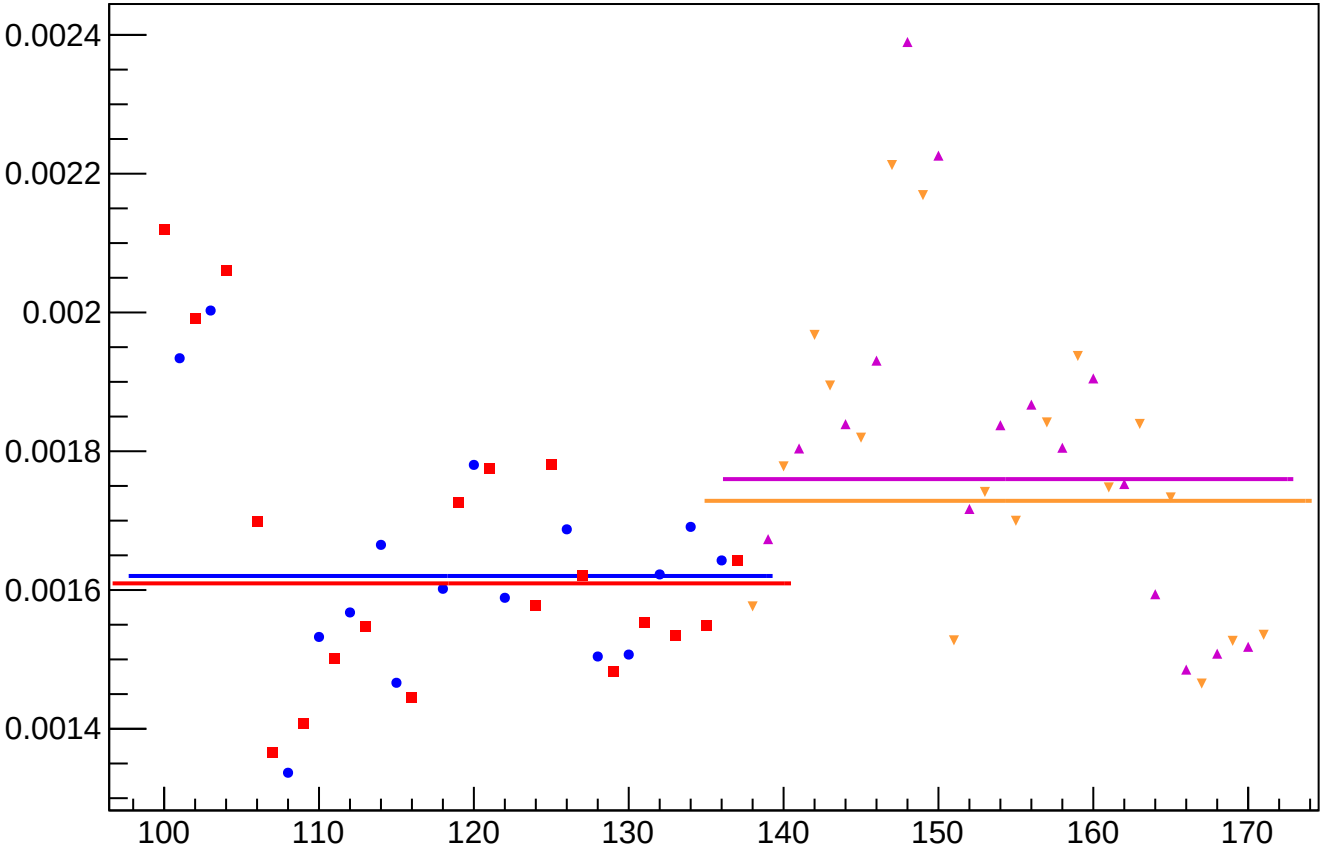
Left In: -3.657+/-0.000 χ^2/NDF:33691985444.5/15

+ sign -3.905+/-0.000 χ^2/NDF: 1256411786200.7/3

All: -3.924+/-0.000 χ^2/NDF: 2426196985768

- sign -3.944+/-0.000 χ^2/NDF: 1164408734076.7/34

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:351240.2/17

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

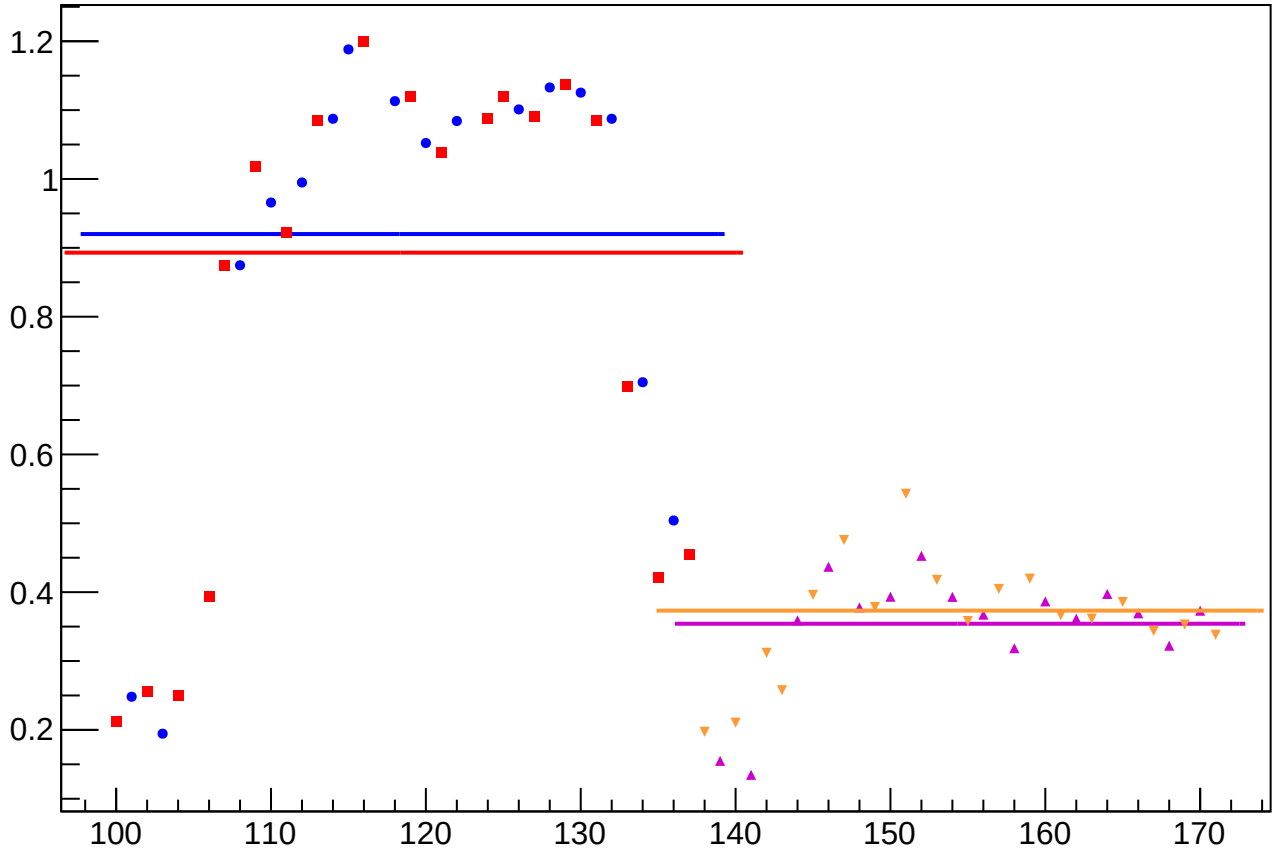
Left In: 0.002+/-0.000 χ^2/NDF:369543.5/15

+ sign 0.002+/-0.000 χ^2/NDF: 530440.0/33

All: 0.002+/-0.000 χ^2/NDF: 1159794.6/68

- sign 0.002+/-0.000 χ^2/NDF: 628608.0/34

yield_bpm2i02X_mean vs Slug



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.373+/-0.000 χ^2/NDF:1734238207.7/17

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

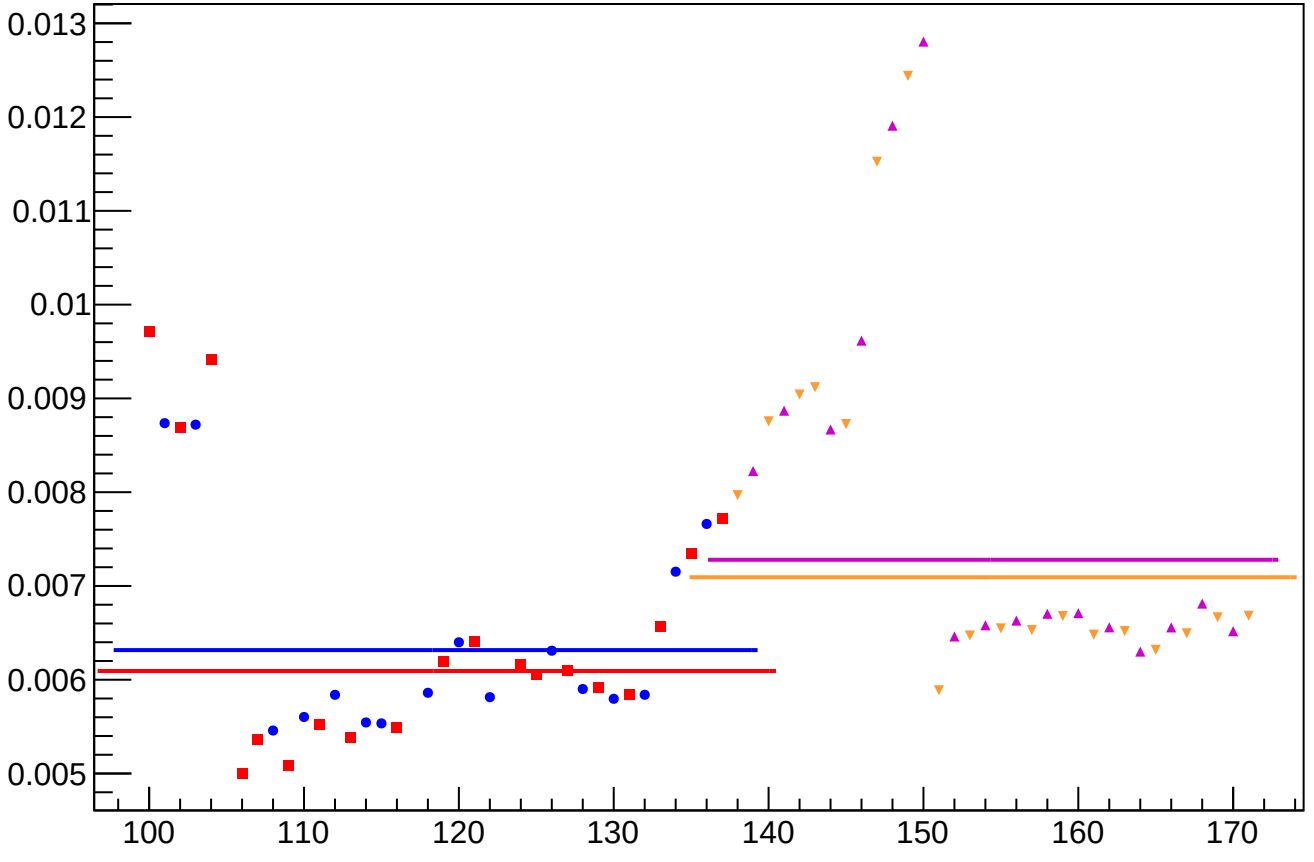
Left In: 0.354+/-0.000 χ^2/NDF:1446467483.8/15

+ sign 0.588+/-0.000 χ^2/NDF: 48184879572.1/33

All: 0.593+/-0.000 χ^2/NDF: 98473062303.0/6

- sign 0.597+/-0.000 χ^2/NDF: 50272059722.1/34

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:992916.4/17

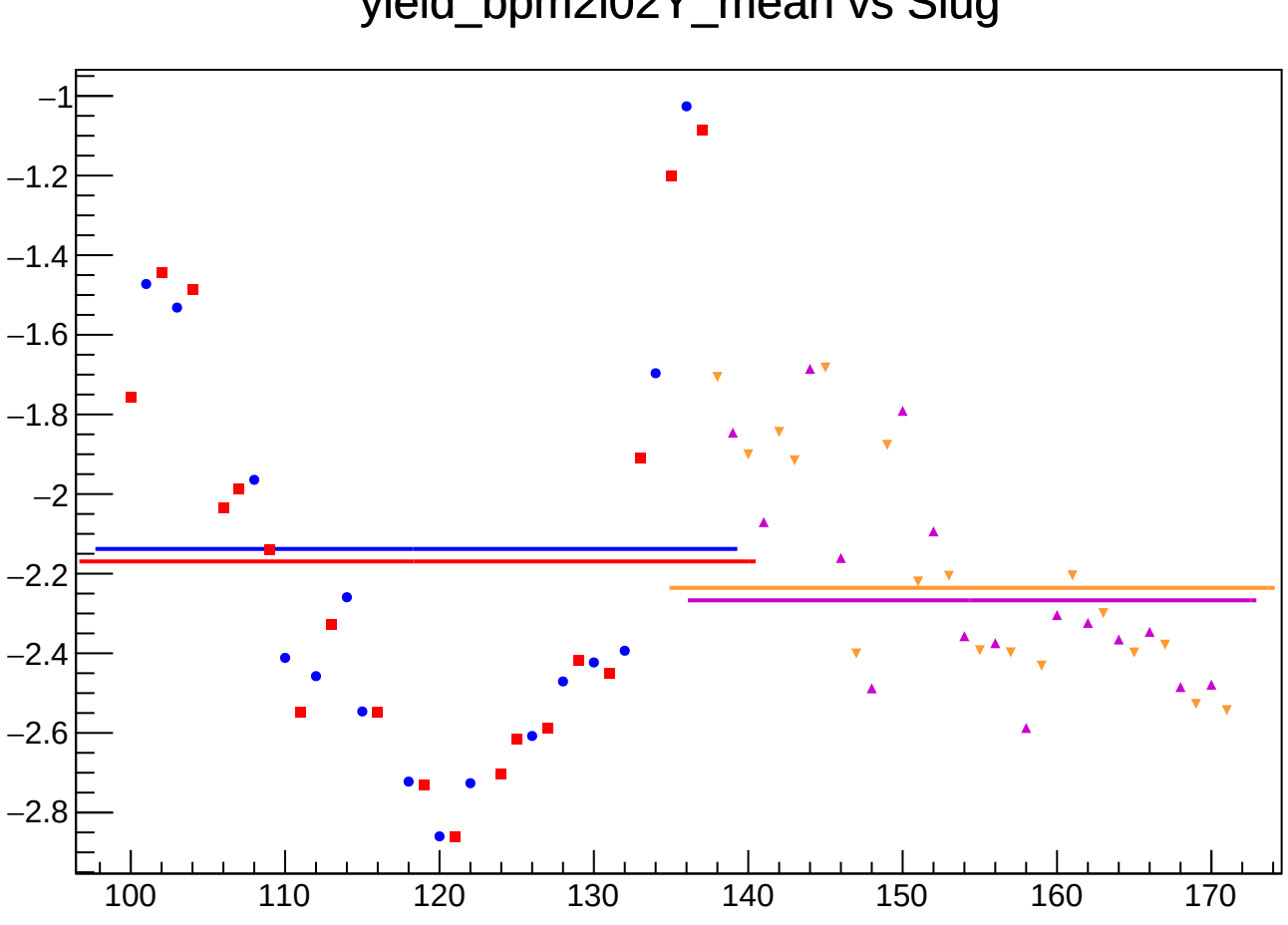
Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

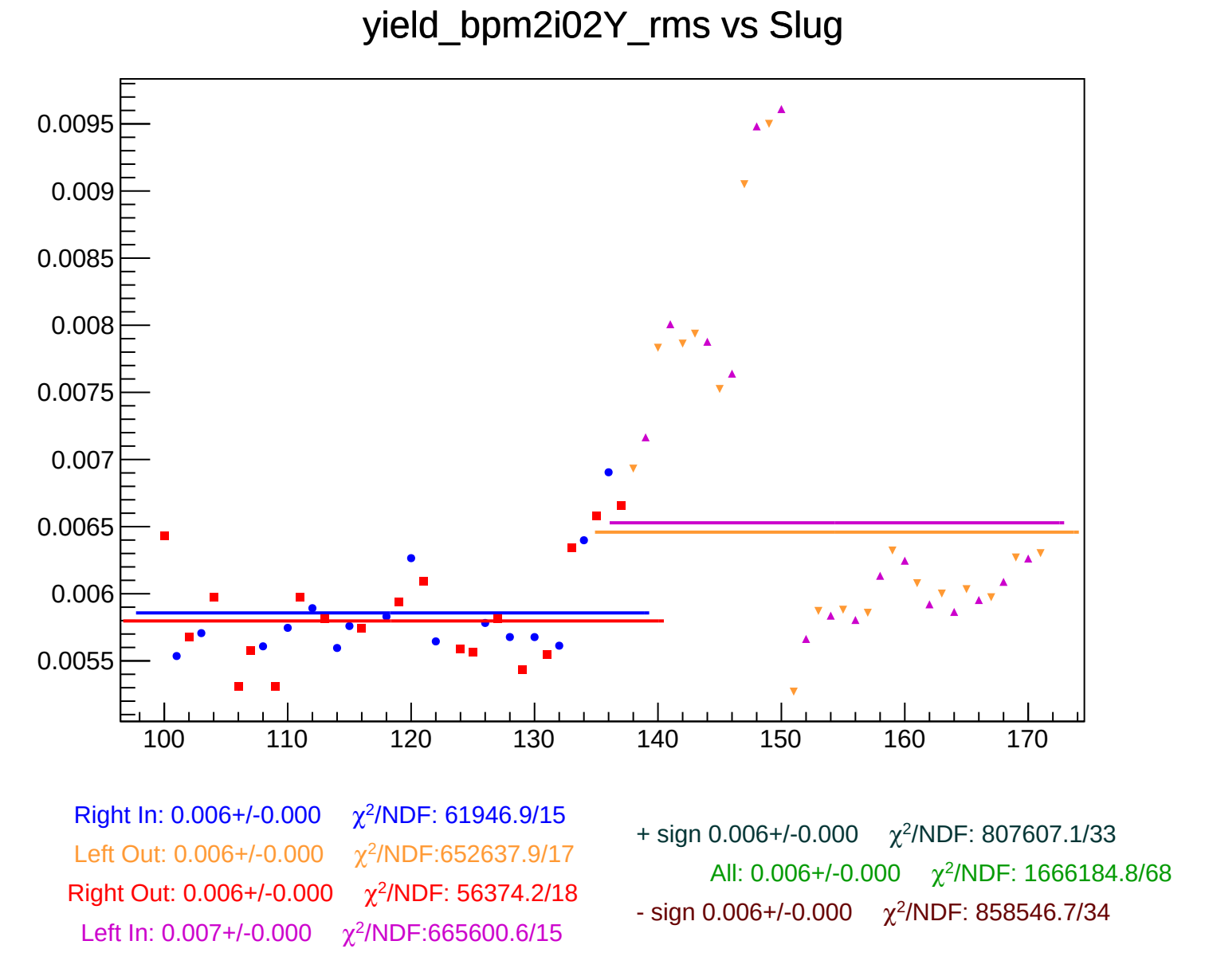
Left In: 0.007+/-0.000 χ^2/NDF:993415.6/15

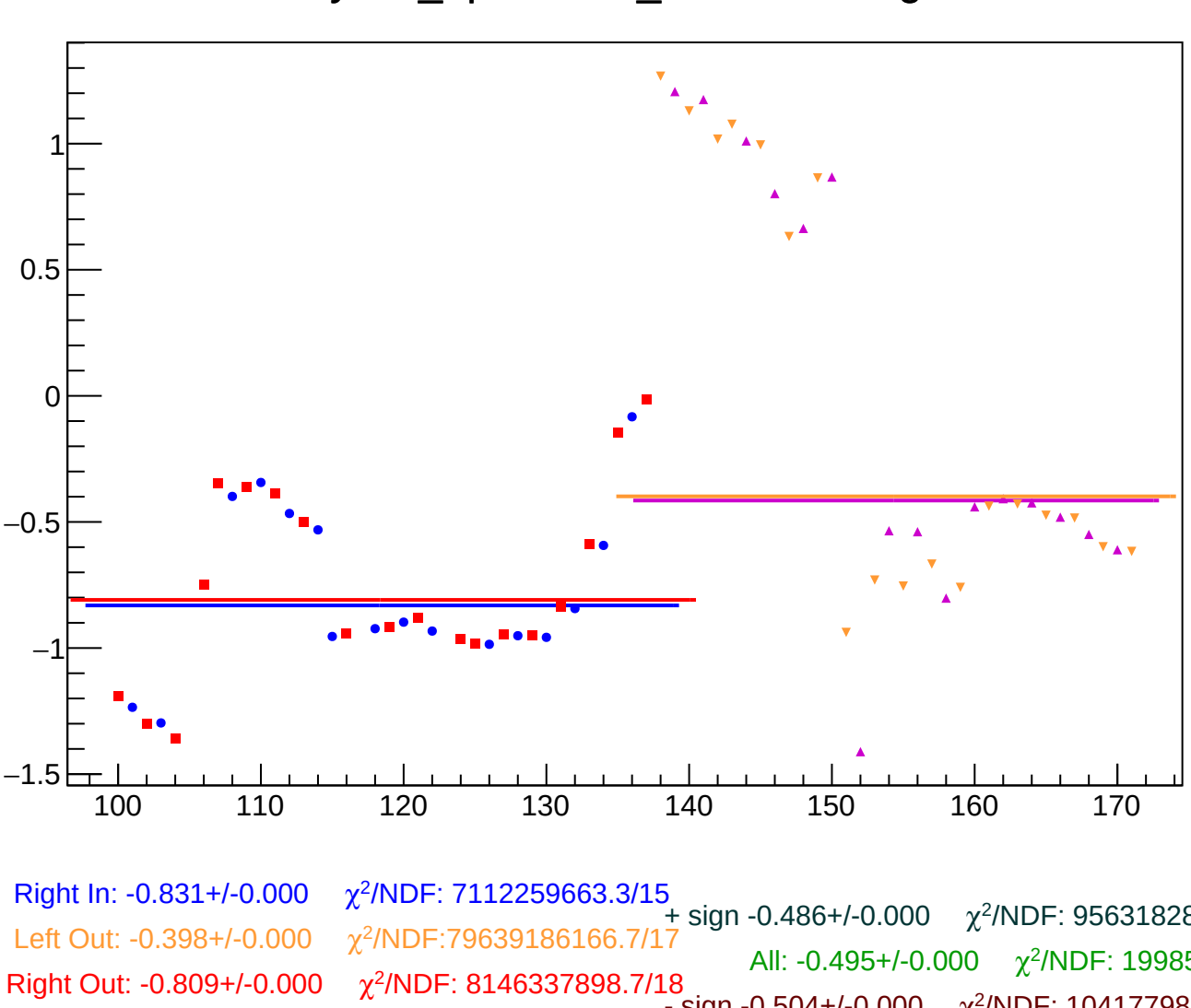
+ sign 0.007+/-0.000 χ^2/NDF: 1457320.3/33

All: 0.007+/-0.000 χ^2/NDF: 3189652.0/68

- sign 0.007+/-0.000 χ^2/NDF: 1731548.0/34


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
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.236+/-0.000 χ²/NDF:21092367522.1/17
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.267+/-0.000 χ²/NDF:17277403243.1/15
+ sign -2.198+/-0.000 χ²/NDF: 87985456798.0/33
All: -2.211+/-0.000 χ²/NDF: 164098685013.3
- sign -2.226+/-0.000 χ²/NDF: 75907636307.1/34


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
170
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:652637.9/17
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.007+/-0.000 χ²/NDF:665600.6/15
+ sign 0.006+/-0.000 χ²/NDF: 807607.1/33
All: 0.006+/-0.000 χ²/NDF: 1666184.8/68
- sign 0.006+/-0.000 χ²/NDF: 858546.7/34



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.398+/-0.000 χ^2/NDF:79639186166.7/17

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

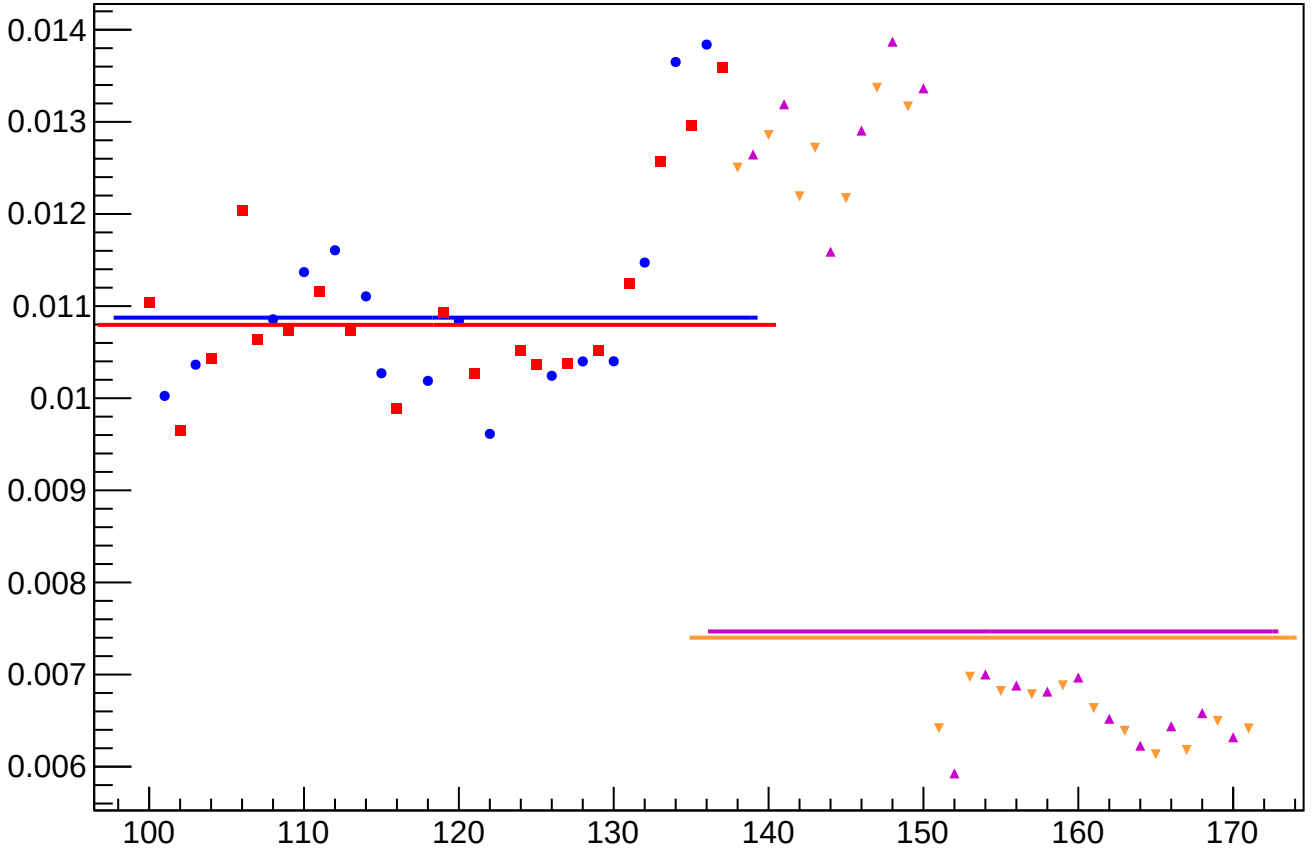
Left In: -0.415+/-0.000 χ^2/NDF:88577374634.4/15

+ sign -0.486+/-0.000 χ^2/NDF: 95631828104.5/33

All: -0.495+/-0.000 χ^2/NDF: 199855270622.3

- sign -0.504+/-0.000 χ^2/NDF: 104177981050.6/34

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2164628.8/17

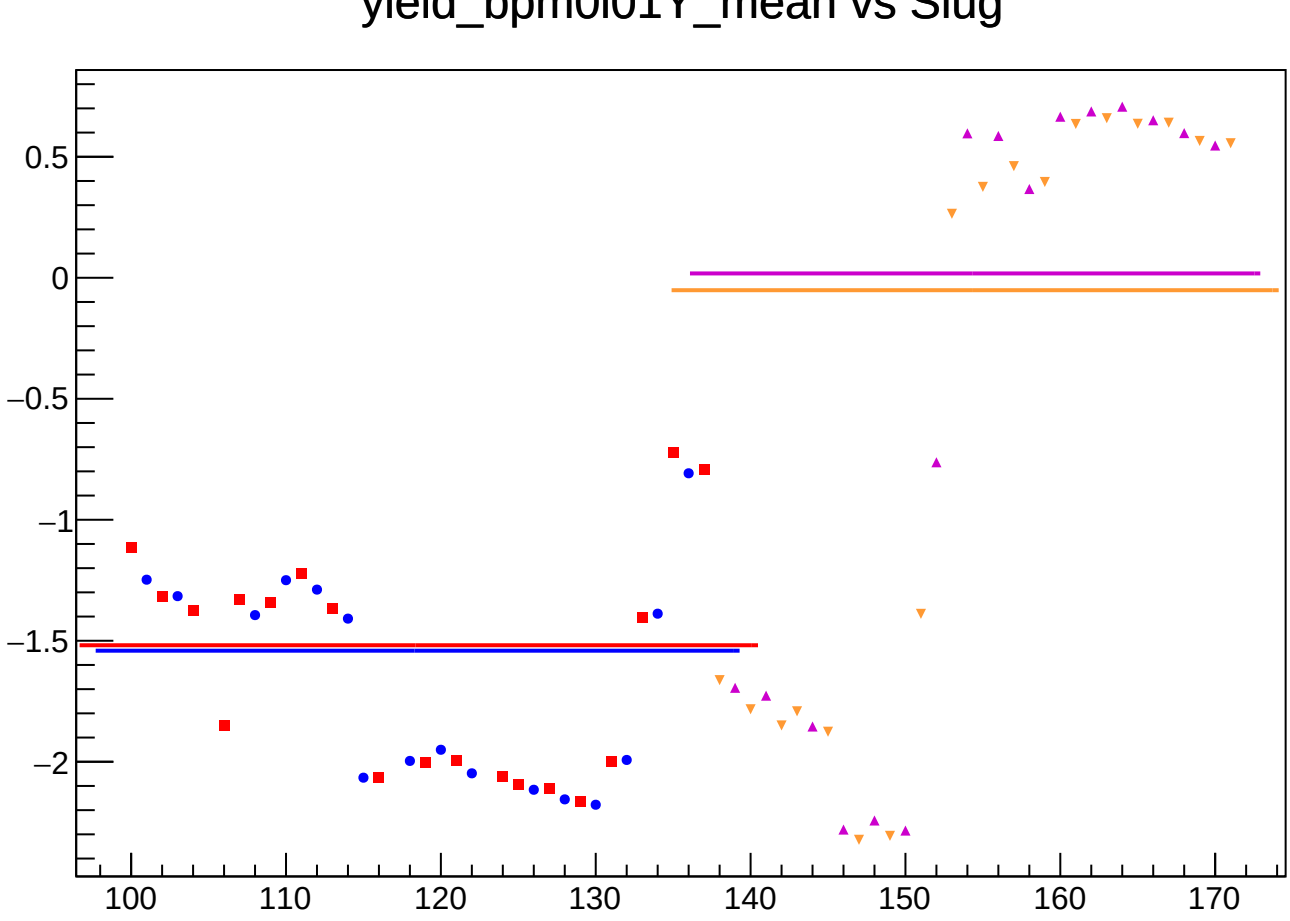
Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2176000.4/15

+ sign 0.008+/-0.000 χ^2/NDF: 3467536.3/33

All: 0.008+/-0.000 χ^2/NDF: 6810126.7/68

- sign 0.008+/-0.000 χ^2/NDF: 3338837.4/34



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.051+/-0.000 χ^2/NDF:2132976170587.8/17

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

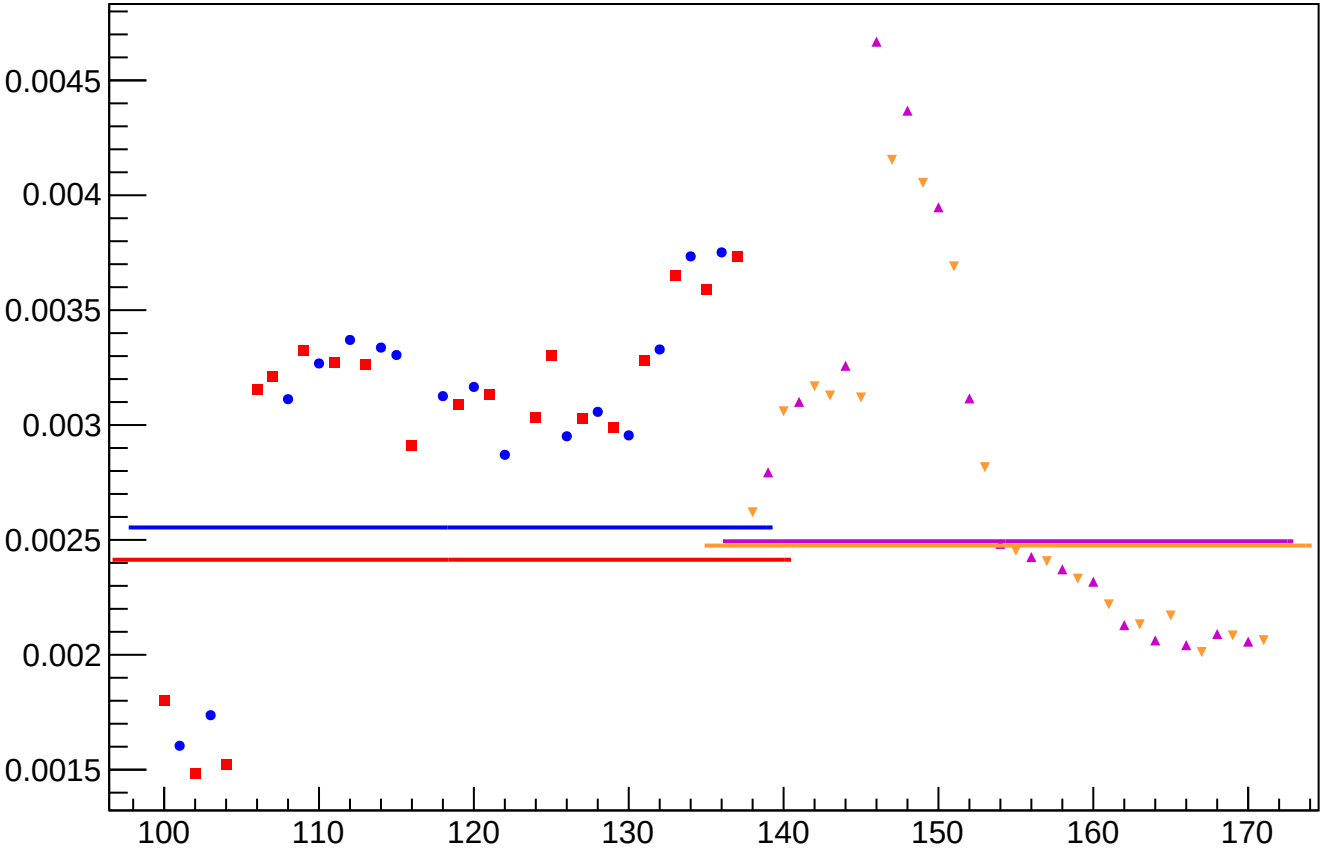
Left In: 0.018+/-0.000 χ^2/NDF:1912928757495.8/15

+ sign -0.523+/-0.000 χ^2/NDF: 3704161145659.2/3

All: -0.529+/-0.000 χ^2/NDF: 7297505687616

- sign -0.536+/-0.000 χ^2/NDF: 3593078436389.8/34

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1075038.8/17

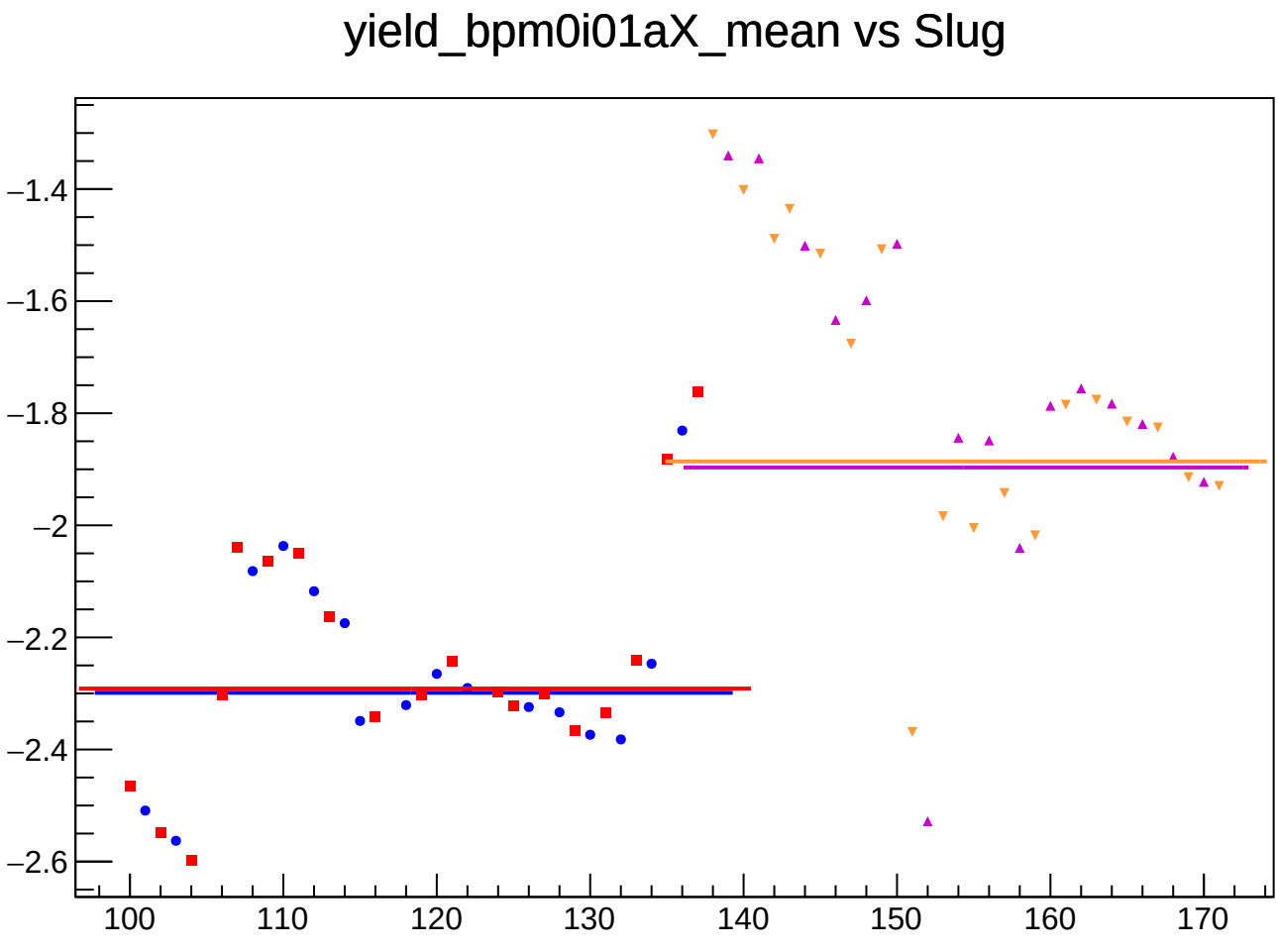
Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1207529.5/15

+ sign 0.003+/-0.000 χ^2/NDF: 2255369.4/33

All: 0.002+/-0.000 χ^2/NDF: 5021693.8/68

- sign 0.002+/-0.000 χ^2/NDF: 2762769.2/34



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.886+/-0.000 χ^2/NDF:27380011461.8/17

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

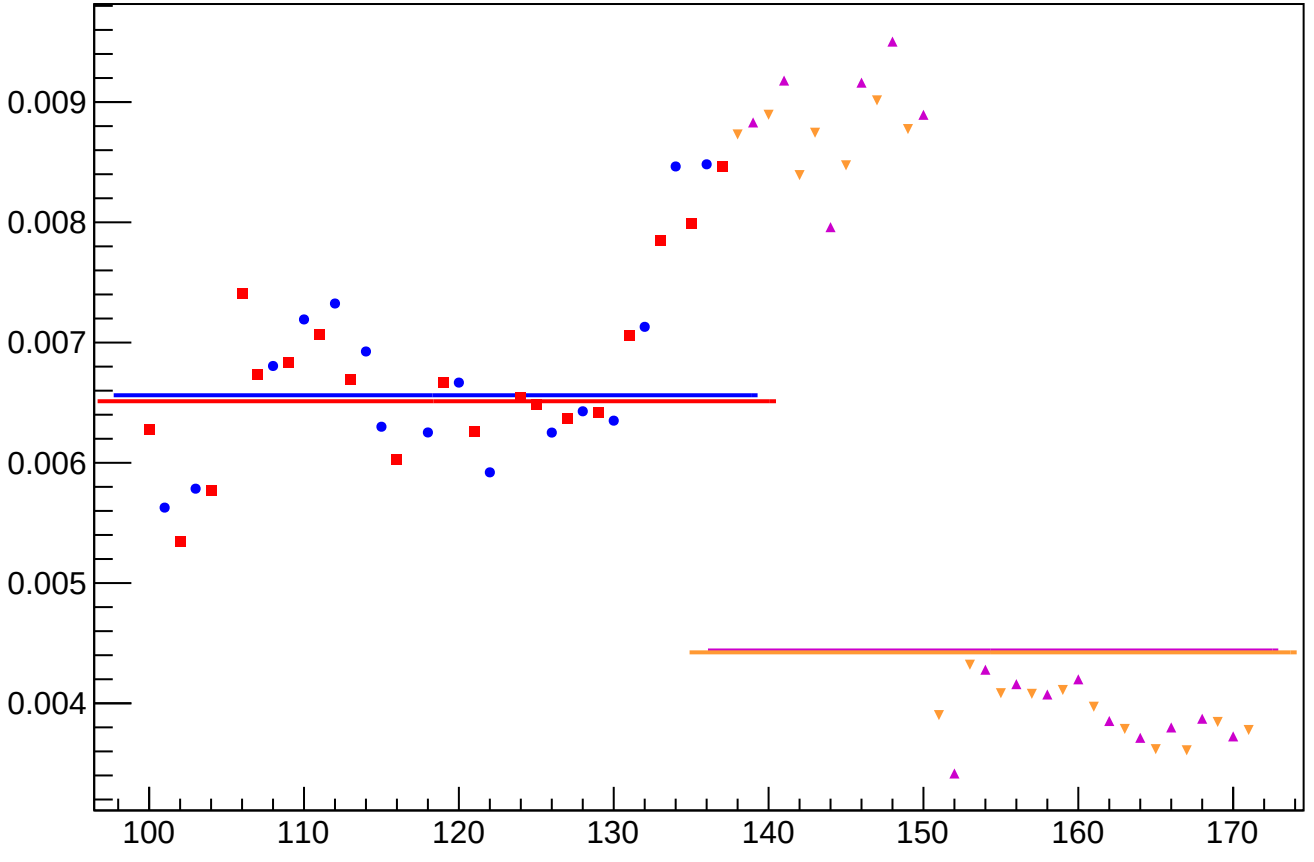
Left In: -1.897+/-0.000 χ^2/NDF:43342626221.2/15

+ sign -1.970+/-0.000 χ^2/NDF: 55310398561.9/33

All: -1.978+/-0.000 χ^2/NDF: 125749165694.4

- sign -1.986+/-0.000 χ^2/NDF: 70343328376.8/34

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:2855279.0/17

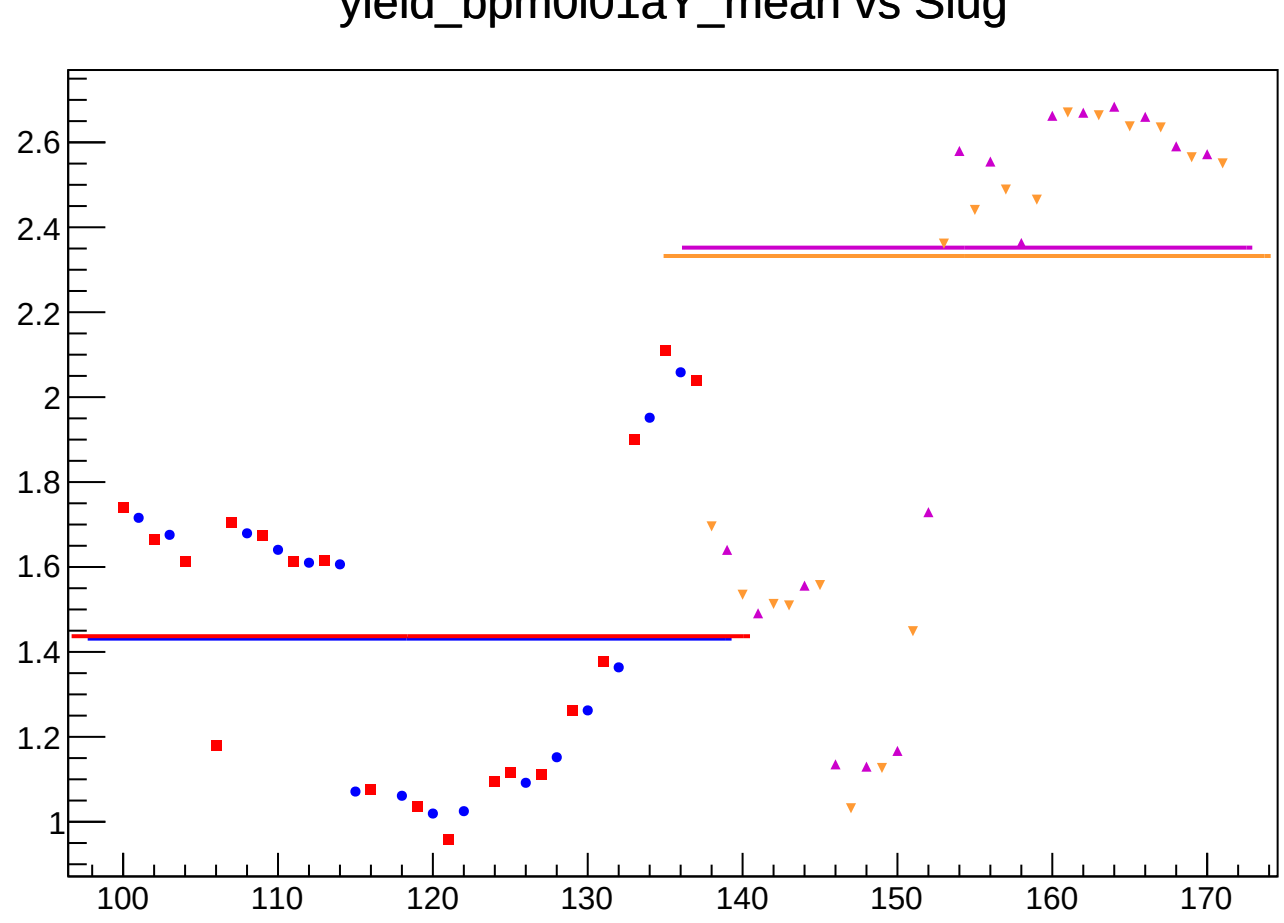
Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:2899798.6/15

+ sign 0.005+/-0.000 χ^2/NDF: 4247236.3/33

All: 0.005+/-0.000 χ^2/NDF: 8447125.9/68

- sign 0.005+/-0.000 χ^2/NDF: 4198100.1/34



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.332+/-0.000 χ^2/NDF:216104221685.0/17

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

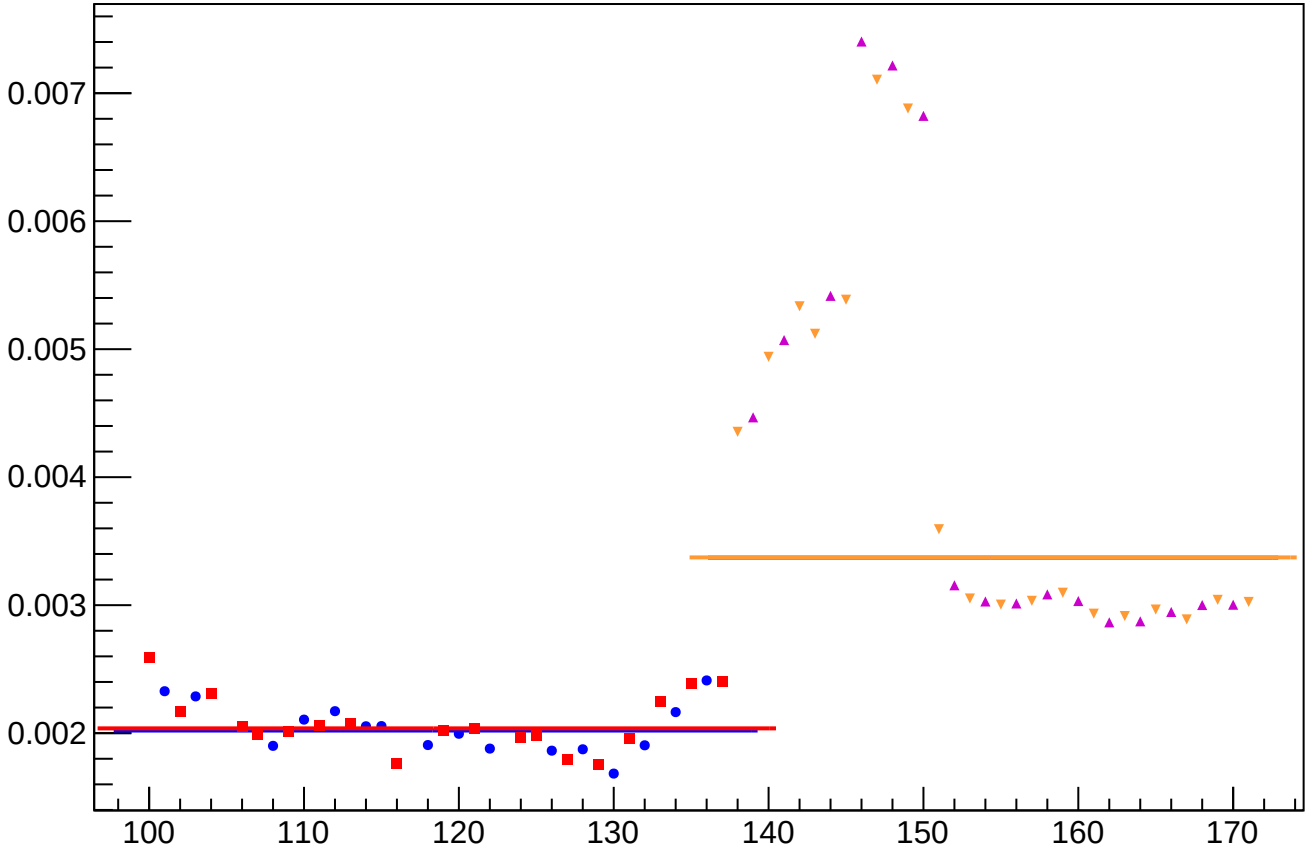
Left In: 2.352+/-0.000 χ^2/NDF:206670882872.5/15

+ sign 1.794+/-0.000 χ^2/NDF: 937012730434.9/33

All: 1.790+/-0.000 χ^2/NDF: 1845206736319.

- sign 1.785+/-0.000 χ^2/NDF: 908076486476.3/34

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1704429.4/17

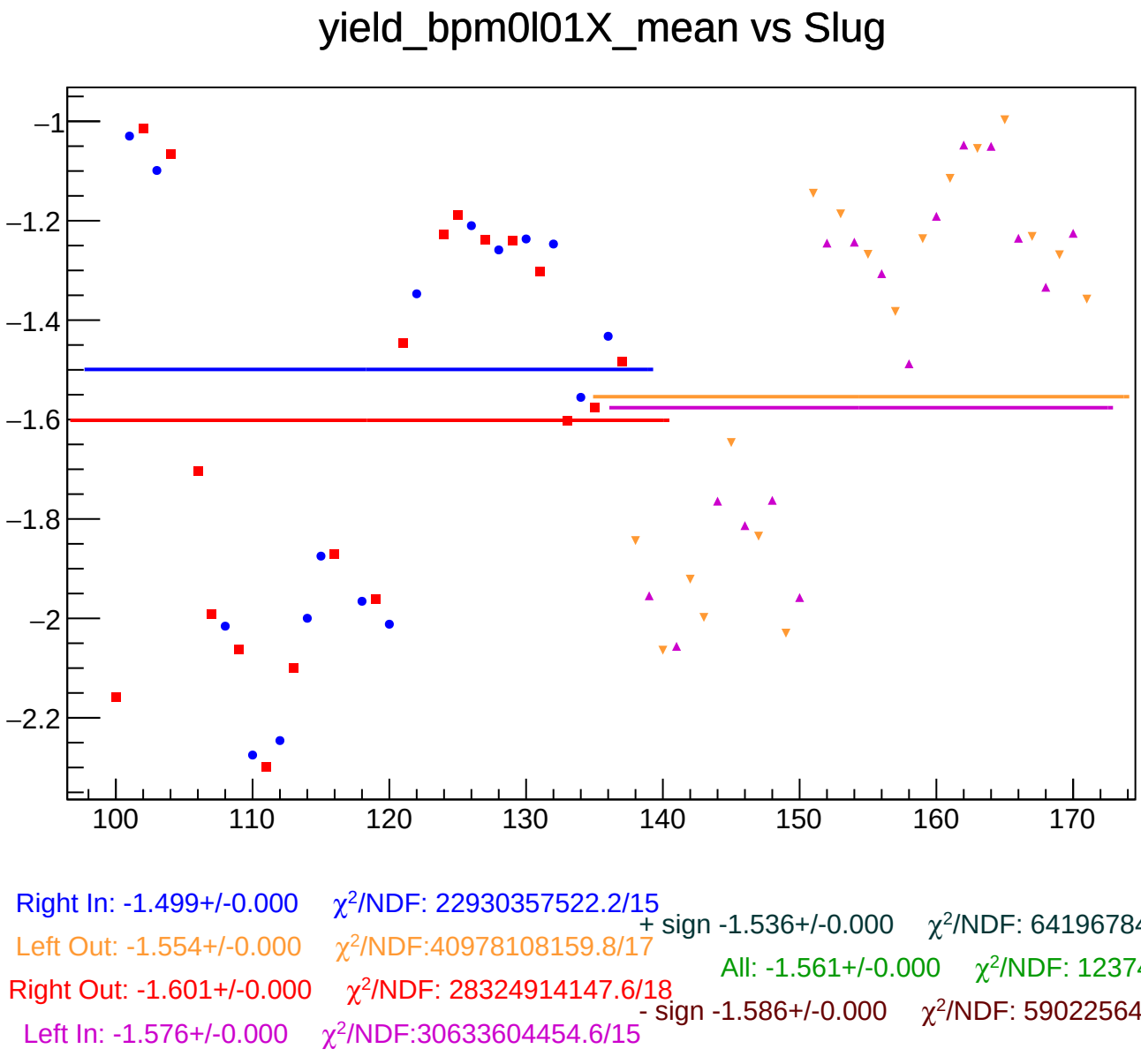
Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1932543.3/15

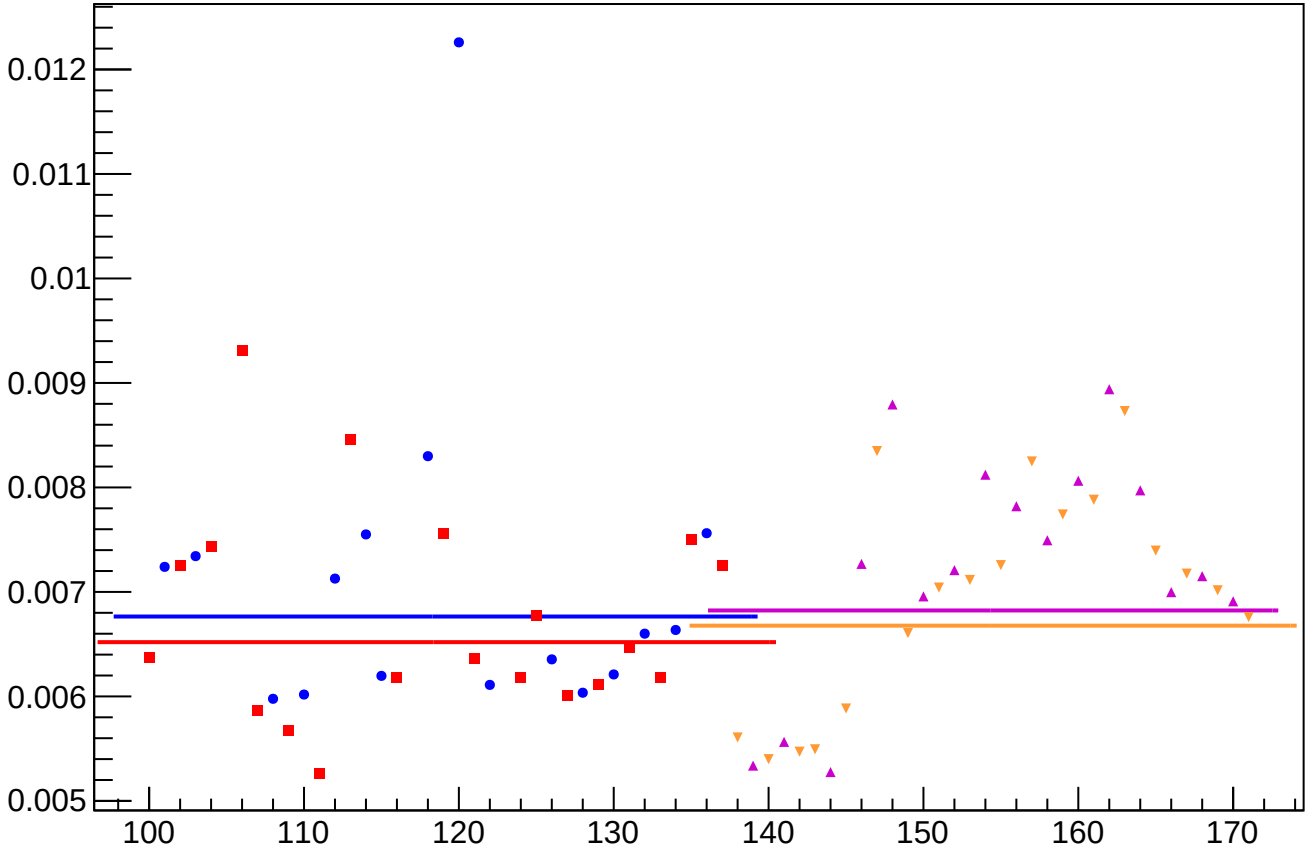
+ sign 0.003+/-0.000 χ^2/NDF: 4255338.3/33

All: 0.003+/-0.000 χ^2/NDF: 8509610.9/68

- sign 0.003+/-0.000 χ^2/NDF: 4253111.8/34


yield_bpm0l01X_mean vs Slug
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.554+/-0.000 χ²/NDF:40978108159.8/17
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.576+/-0.000 χ²/NDF:30633604454.6/15
+ sign -1.536+/-0.000 χ²/NDF: 64196784138.0/33
All: -1.561+/-0.000 χ²/NDF: 123748530088.2
- sign -1.586+/-0.000 χ²/NDF: 59022564557.0/34

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:598785.5/17

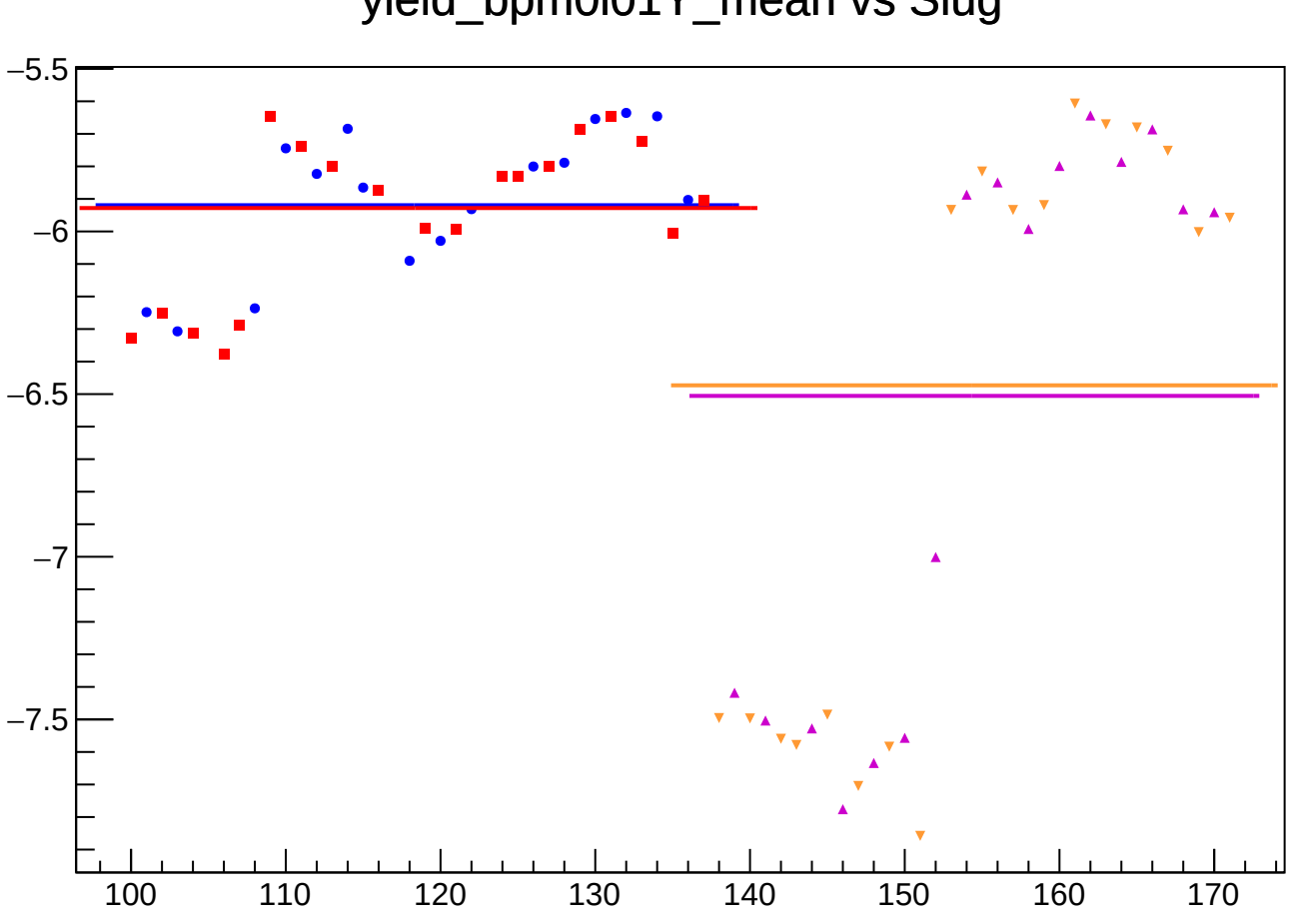
Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:678687.1/15

+ sign 0.007+/-0.000 χ^2/NDF: 838817.4/33

All: 0.007+/-0.000 χ^2/NDF: 1781294.4/68

- sign 0.007+/-0.000 χ^2/NDF: 942477.0/34



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.473+/-0.000 χ^2/NDF:100360160756.2/17

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

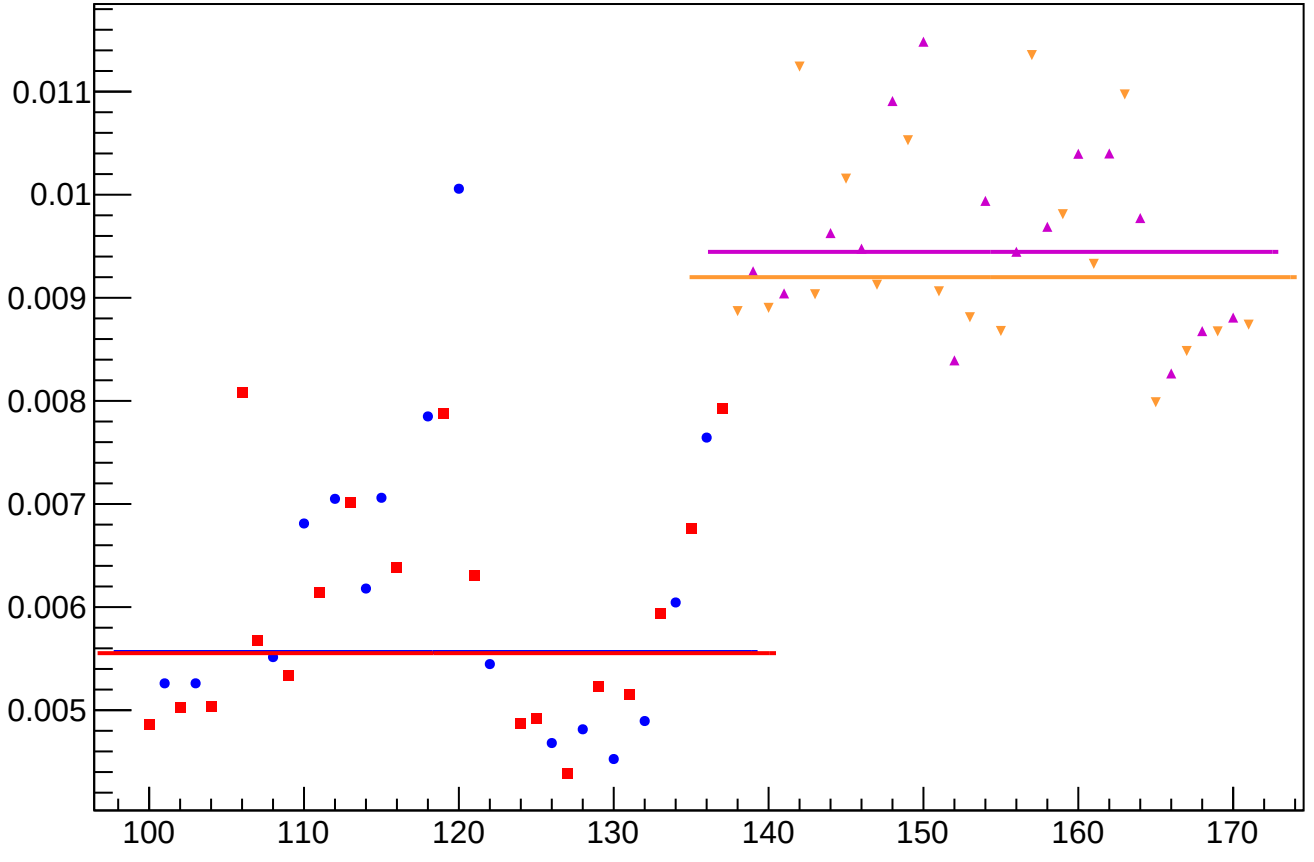
Left In: -6.506+/-0.000 χ^2/NDF:78223335631.0/15

+ sign -6.144+/-0.000 χ^2/NDF: 136708130423.7/33

All: -6.140+/-0.000 χ^2/NDF: 252929234892.5

- sign -6.137+/-0.000 χ^2/NDF: 116212566469.9/34

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:200363.6/17

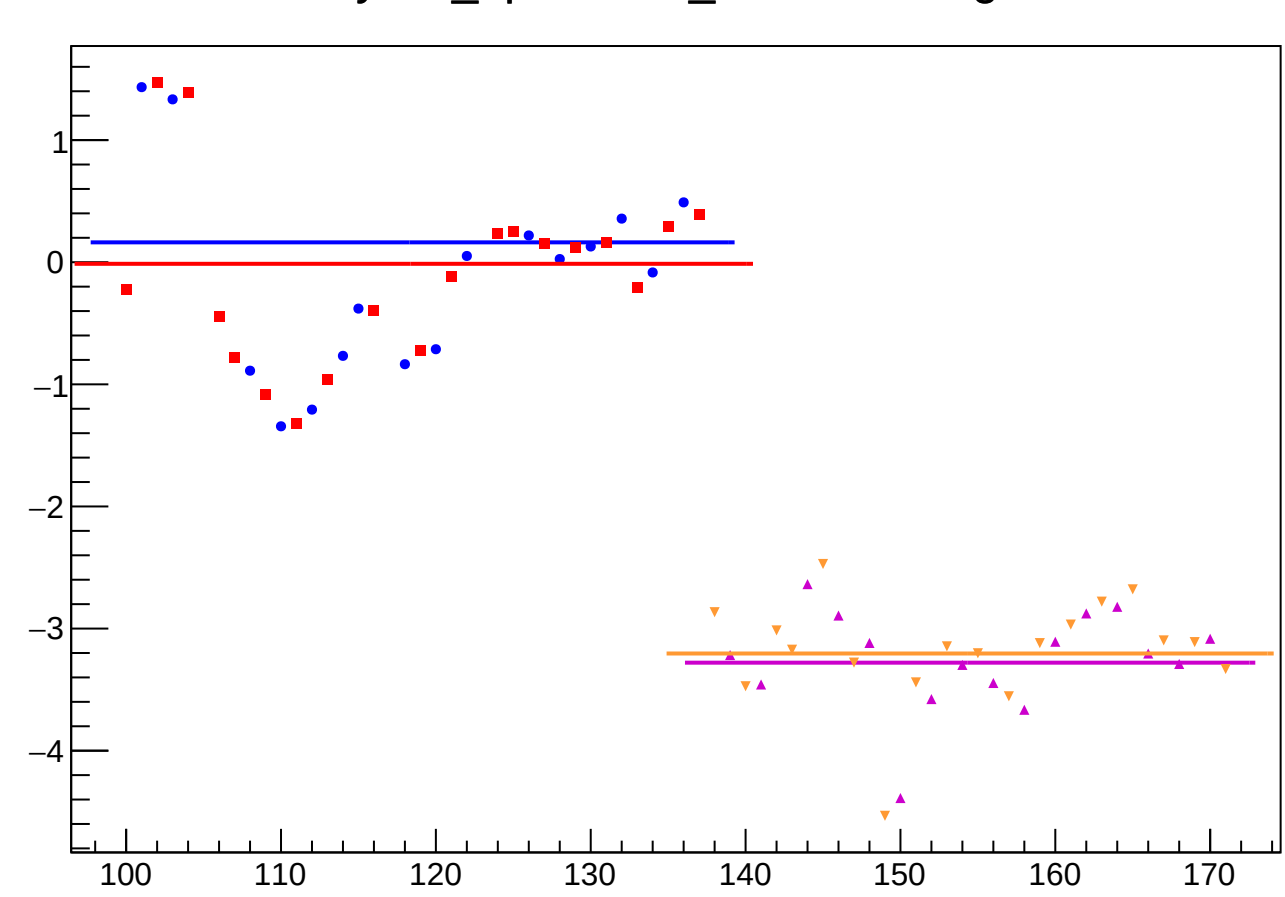
Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:163962.4/15

+ sign 0.007+/-0.000 χ^2/NDF: 2818360.1/33

All: 0.007+/-0.000 χ^2/NDF: 5652788.2/68

- sign 0.007+/-0.000 χ^2/NDF: 2832344.5/34



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.204+/-0.000 χ^2/NDF:8183266699.8/17

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

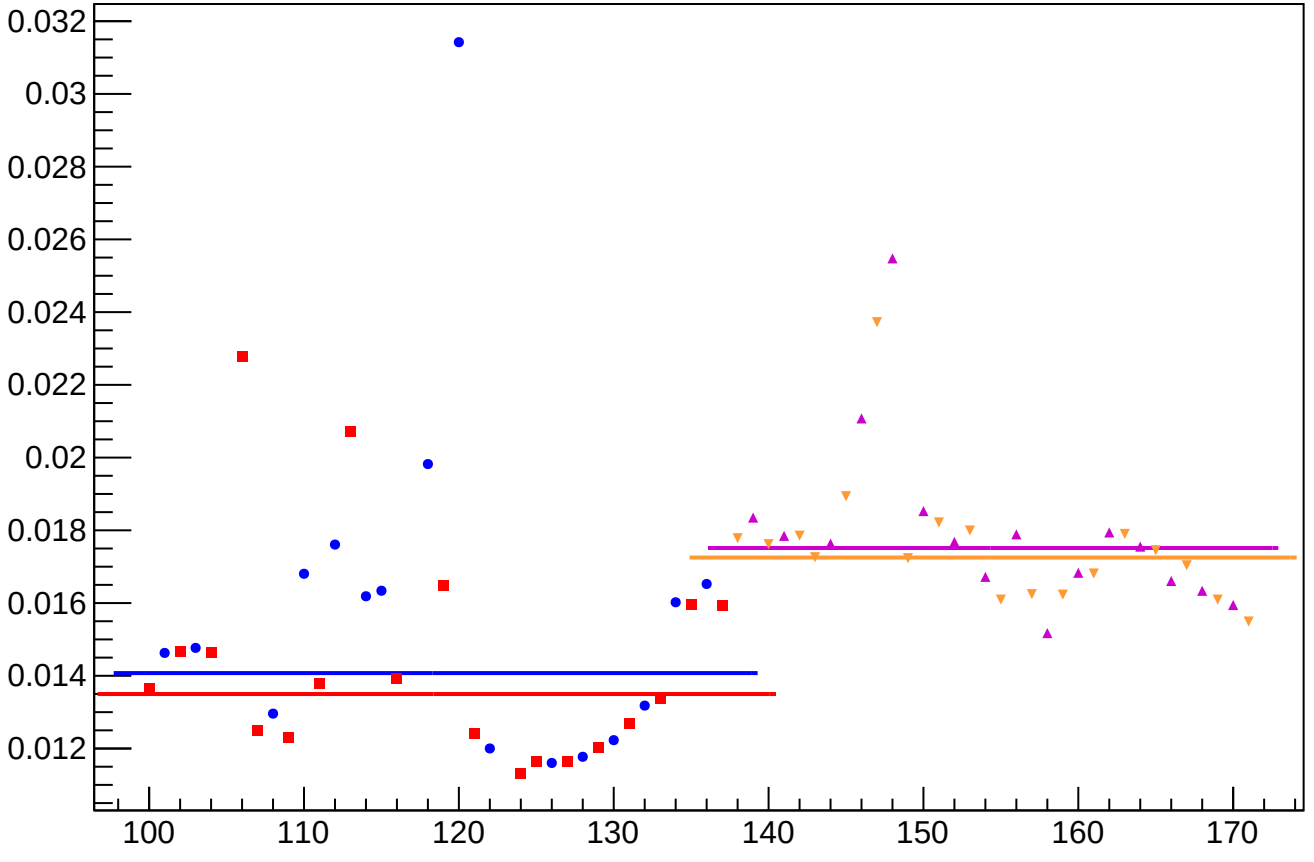
Left In: -3.279+/-0.000 χ^2/NDF:6413123729.9/15

+ sign -1.818+/-0.000 χ^2/NDF: 238444736114.3/33

All: -1.769+/-0.000 χ^2/NDF: 475125179542.

- sign -1.721+/-0.000 χ^2/NDF: 236311997990.0/34

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:187195.7/17

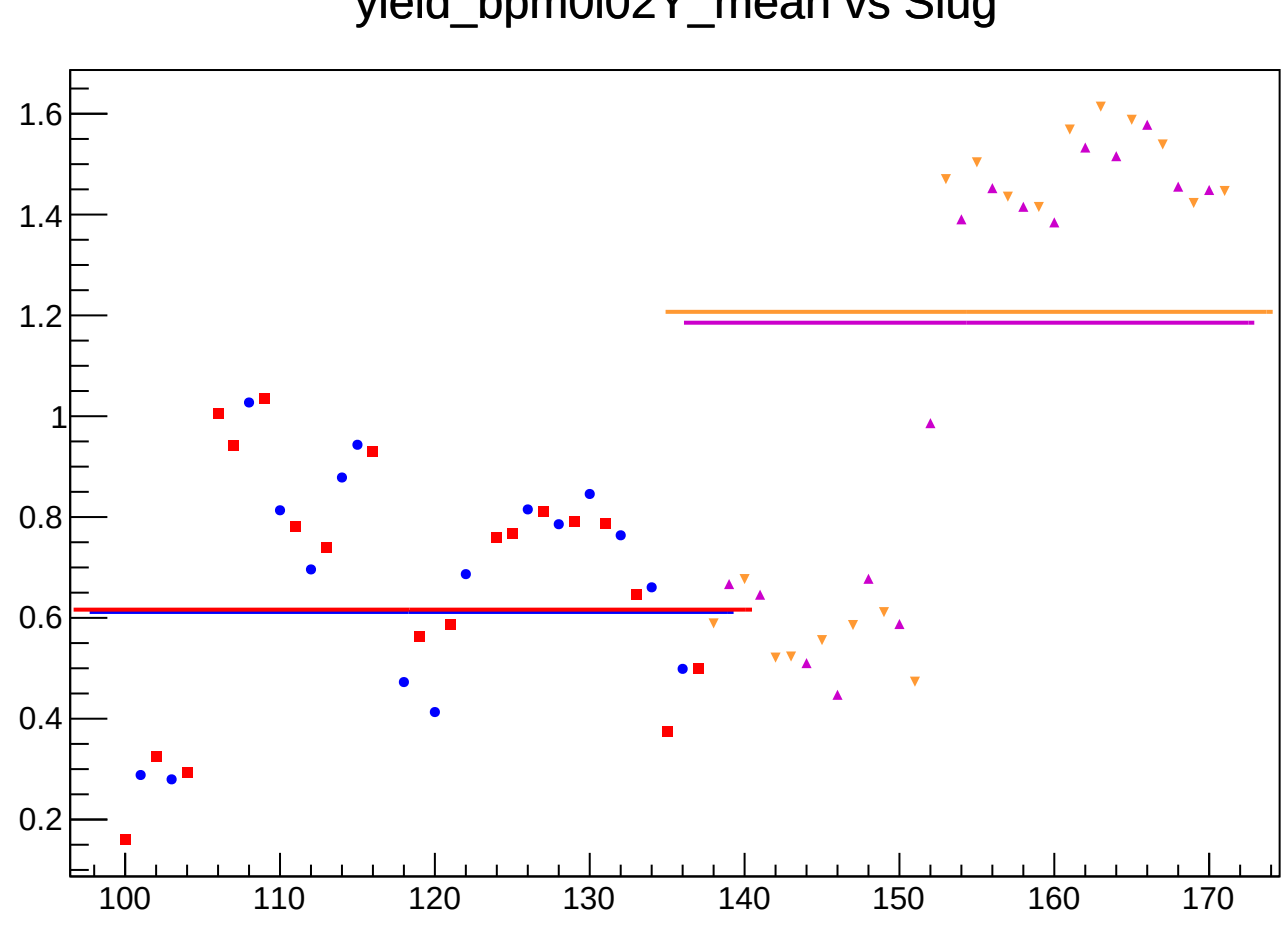
Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:278034.7/15

+ sign 0.016+/-0.000 χ^2/NDF: 1030873.3/33

All: 0.016+/-0.000 χ^2/NDF: 2259998.9/68

- sign 0.016+/-0.000 χ^2/NDF: 1219846.4/34



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.207+/-0.000 χ^2/NDF:42646470013.2/17

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

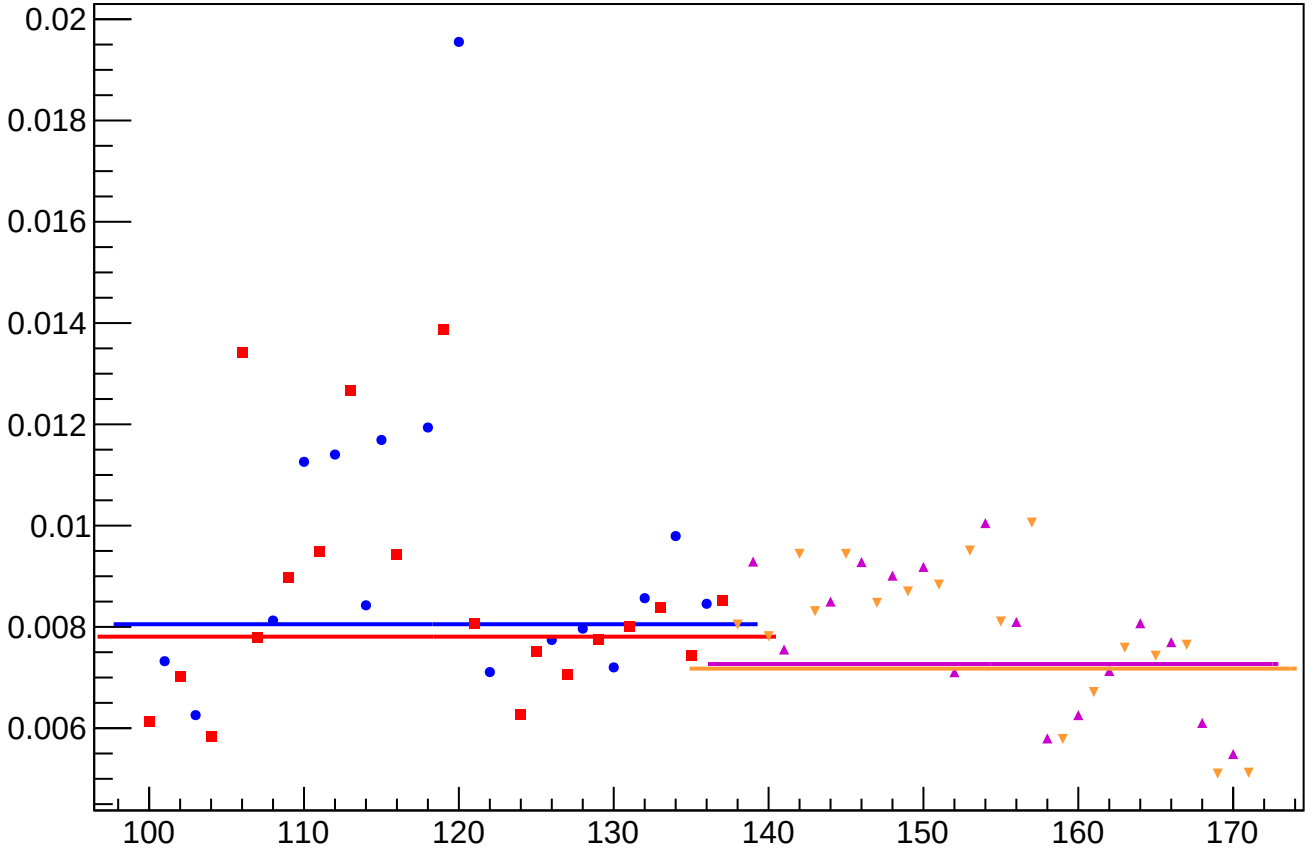
Left In: 1.185+/-0.000 χ^2/NDF:33030759658.3/15

+ sign 1.037+/-0.000 χ^2/NDF: 72226168461.9/33

All: 1.019+/-0.000 χ^2/NDF: 134916976566.4

- sign 1.001+/-0.000 χ^2/NDF: 62470368965.8/34

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1171806.5/17

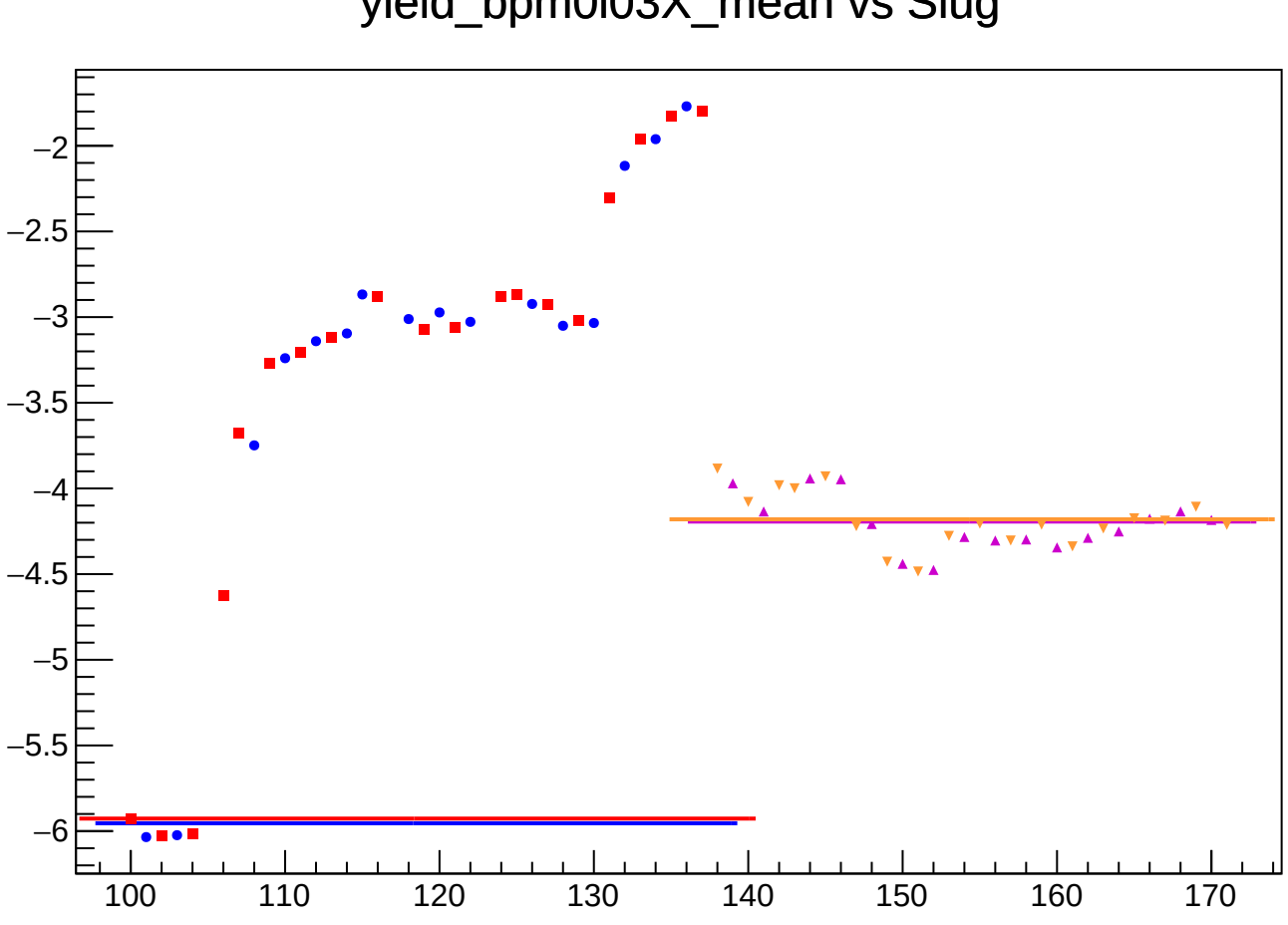
Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:829208.9/15

+ sign 0.007+/-0.000 χ^2/NDF: 1873903.2/33

All: 0.007+/-0.000 χ^2/NDF: 3331785.3/68

- sign 0.007+/-0.000 χ^2/NDF: 1457793.2/34



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.180+/-0.000 χ^2/NDF:53175904.2/17

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

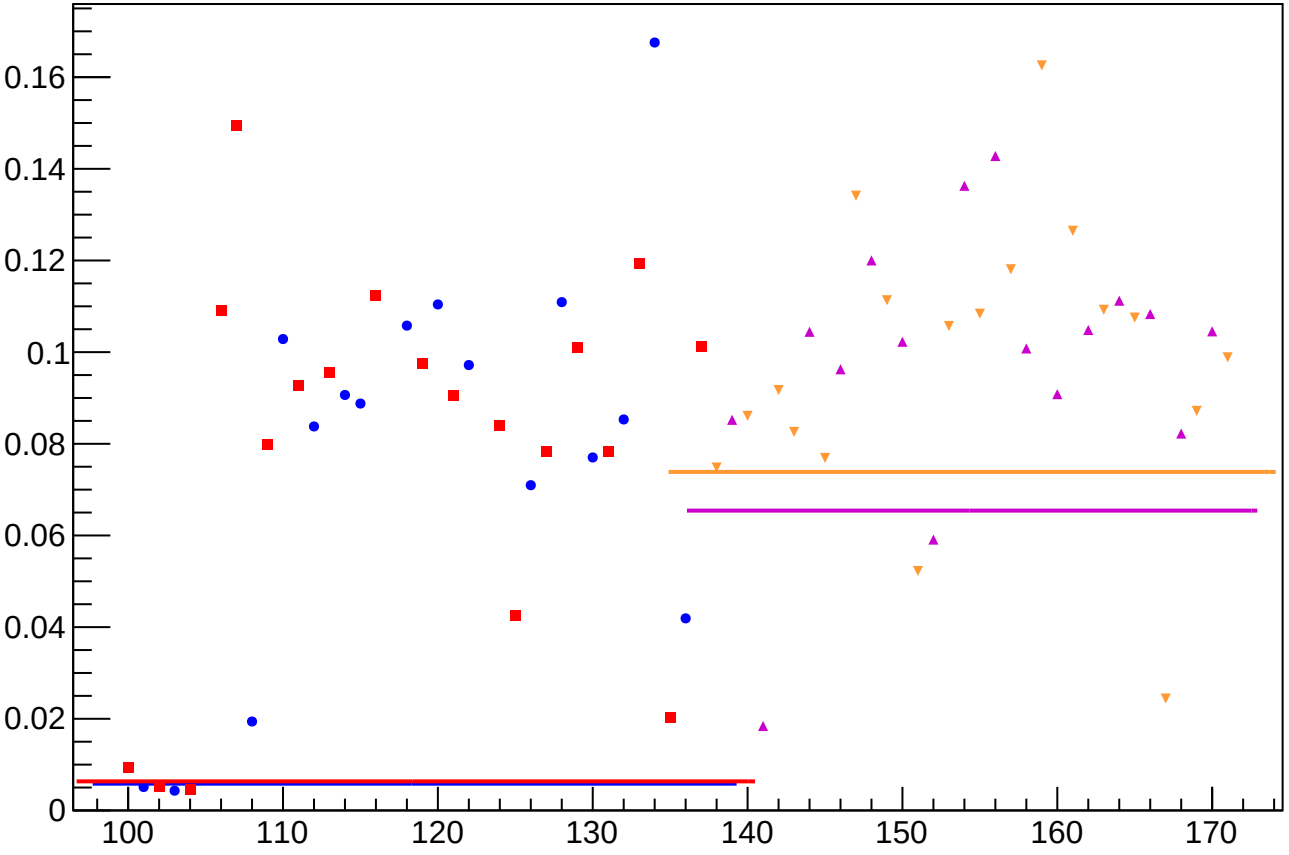
Left In: -4.193+/-0.000 χ^2/NDF:40318222.0/15

+ sign -5.895+/-0.000 χ^2/NDF: 18597646950.5/33

All: -5.878+/-0.000 χ^2/NDF: 37694722113.3/

- sign -5.857+/-0.000 χ^2/NDF: 19063720470.8/34

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.074+/-0.000 χ^2/NDF:4354288.2/17

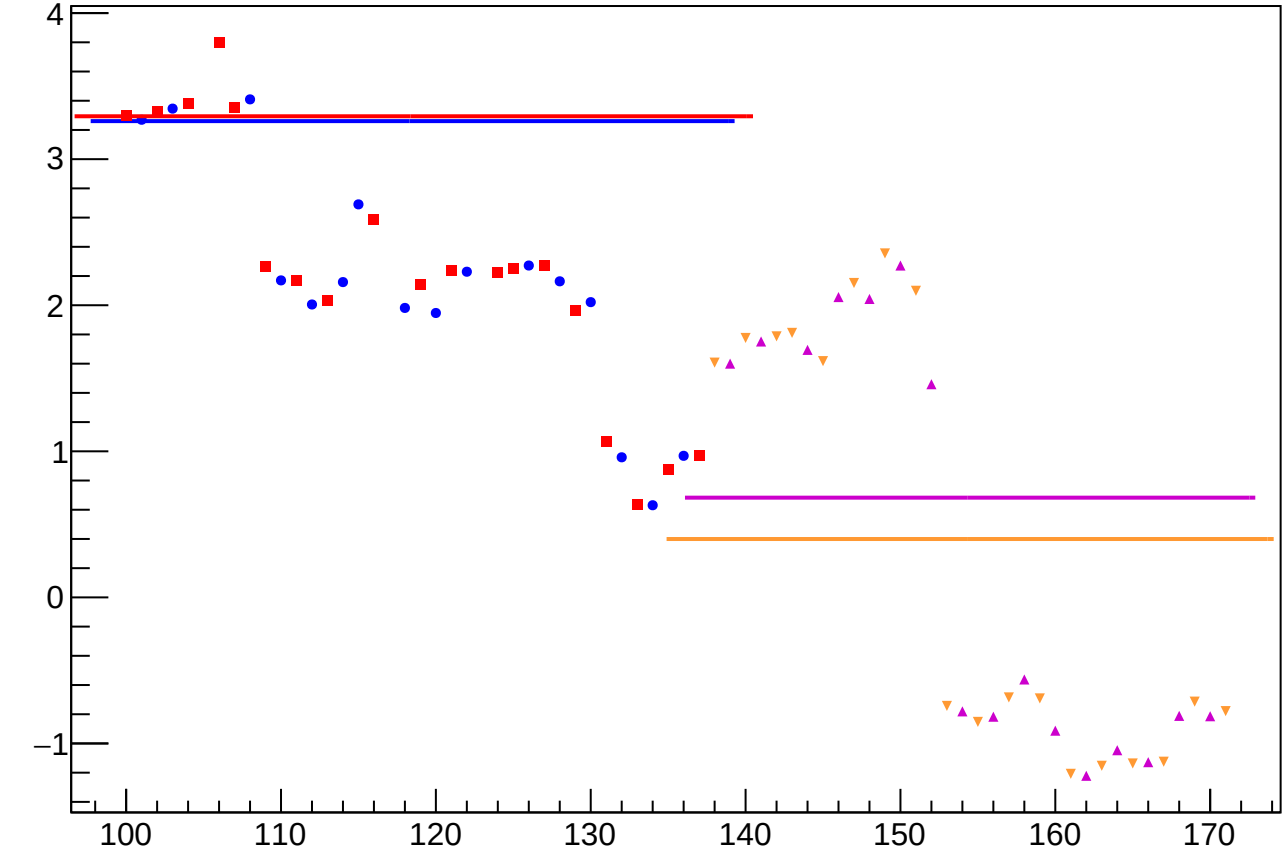
Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.065+/-0.000 χ^2/NDF:5873422.5/15

+ sign 0.008+/-0.000 χ^2/NDF: 29070181.7/33

All: 0.008+/-0.000 χ^2/NDF: 55560263.9/68

- sign 0.009+/-0.000 χ^2/NDF: 26473411.9/34



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:3055352536.0/17

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

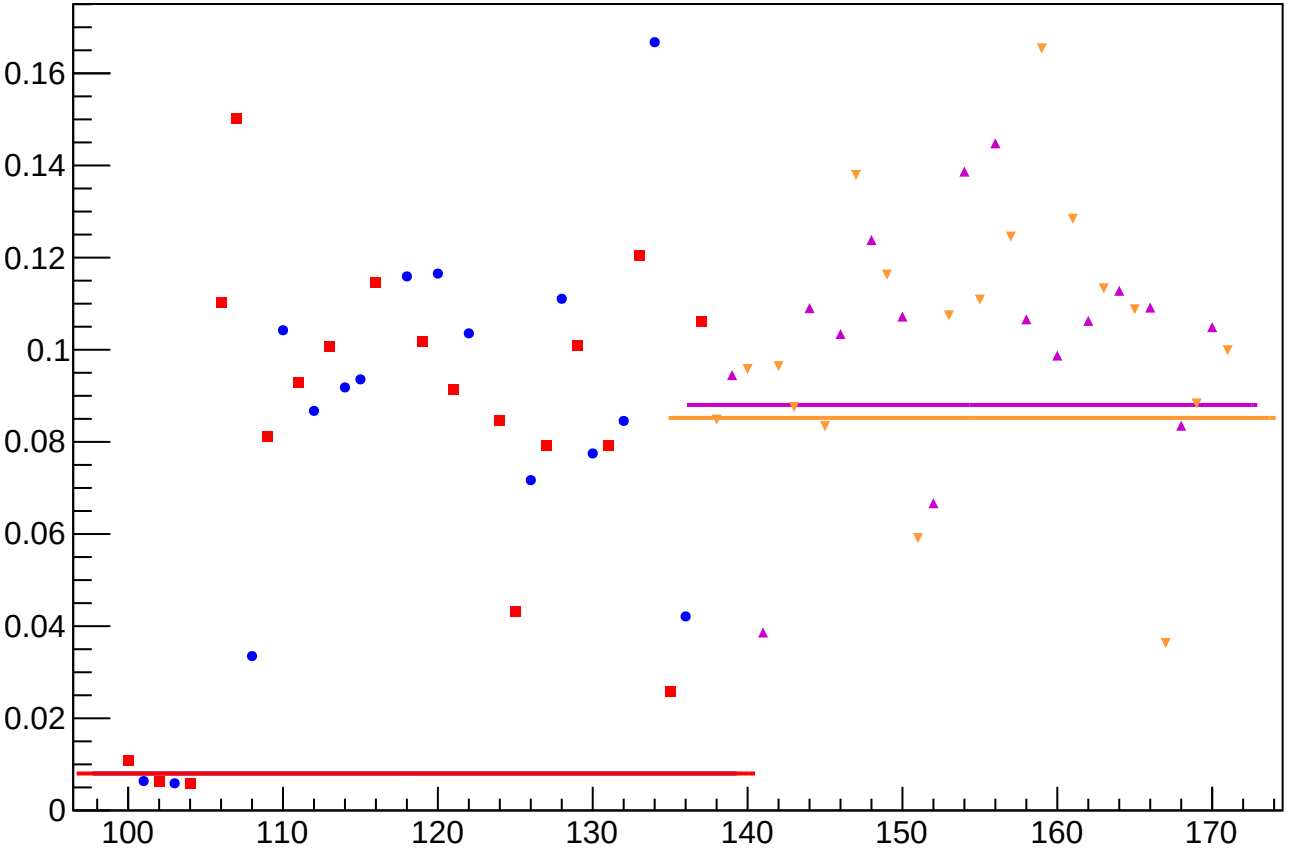
Left In: 0.683+/-0.000 χ^2/NDF:2175320557.4/15

+ sign 3.130+/-0.000 χ^2/NDF: 17630156910.8/33

All: 3.158+/-0.000 χ^2/NDF: 31221896839.8/6

- sign 3.187+/-0.000 χ^2/NDF: 13540368264.8/34

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.085+/-0.000 χ^2/NDF:2786773.4/17

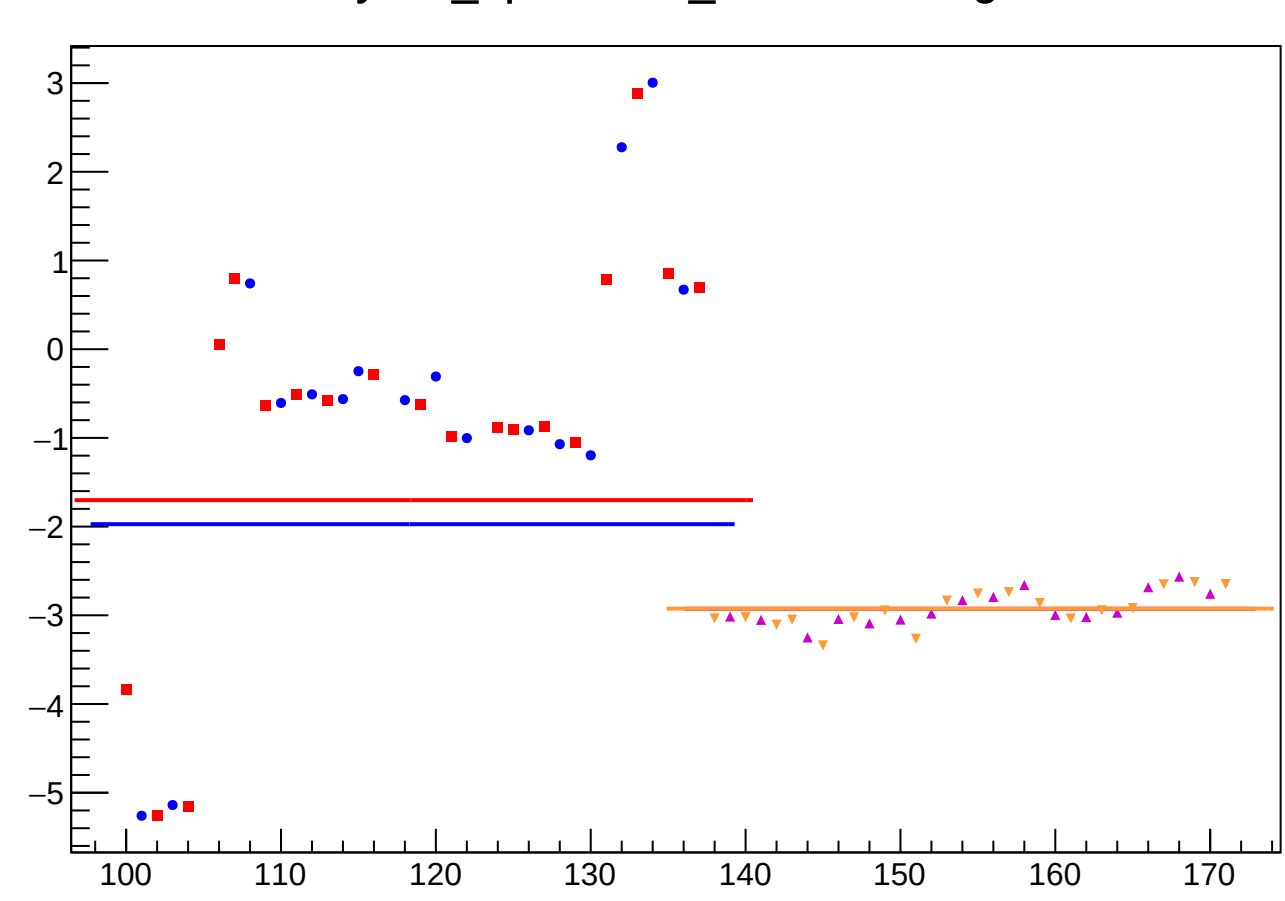
Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.088+/-0.000 χ^2/NDF:2287498.3/15

+ sign 0.012+/-0.000 χ^2/NDF: 28038387.9/33

All: 0.011+/-0.000 χ^2/NDF: 54117004.9/68

- sign 0.011+/-0.000 χ^2/NDF: 26076467.8/34



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.925+/-0.000 χ^2/NDF:8563463761.5/17

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

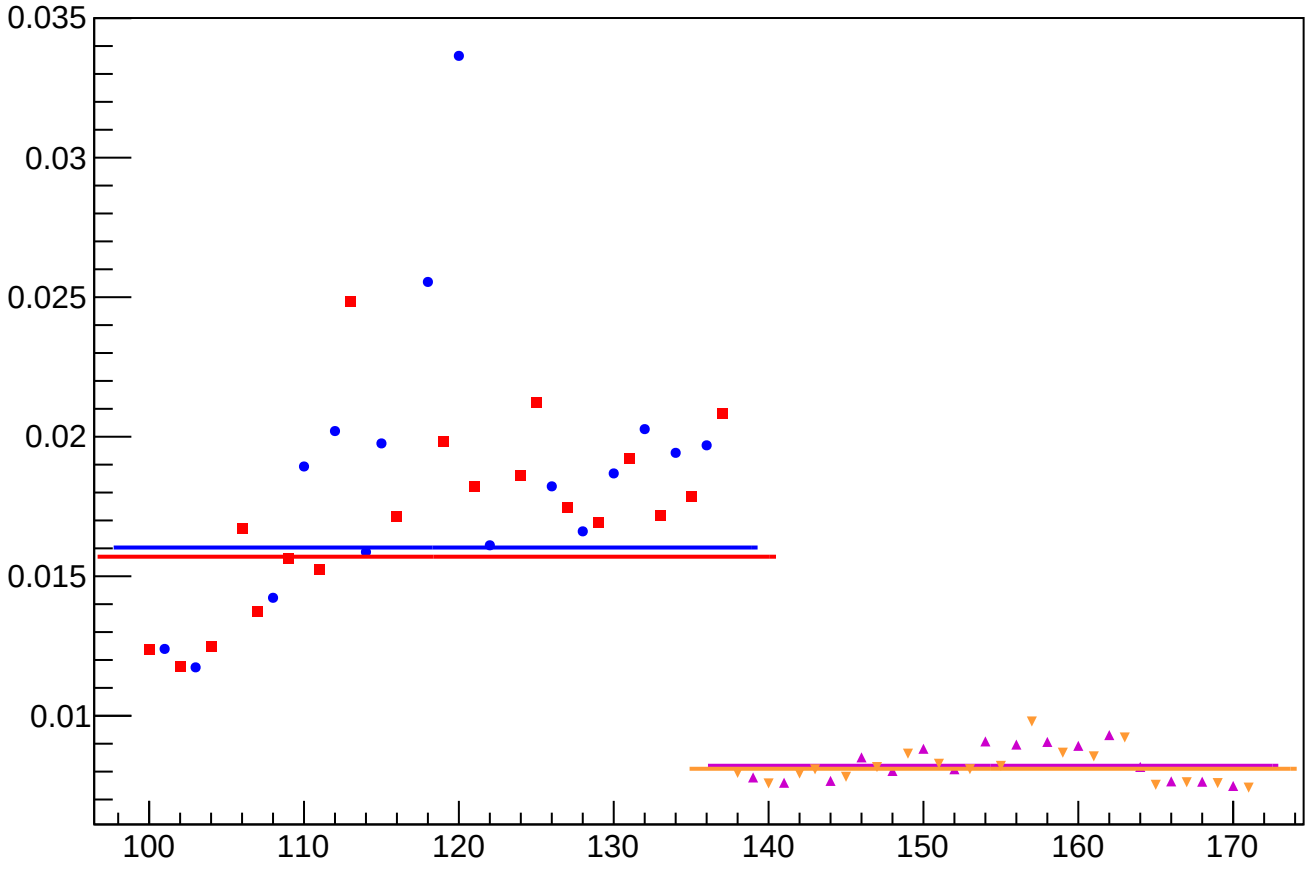
Left In: -2.927+/-0.000 χ^2/NDF:6572072517.4/15

+ sign -2.830+/-0.000 χ^2/NDF: 189039380707.5/33

All: -2.805+/-0.000 χ^2/NDF: 398113637203.5

- sign -2.777+/-0.000 χ^2/NDF: 208762014883.4/34

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:131335.9/17

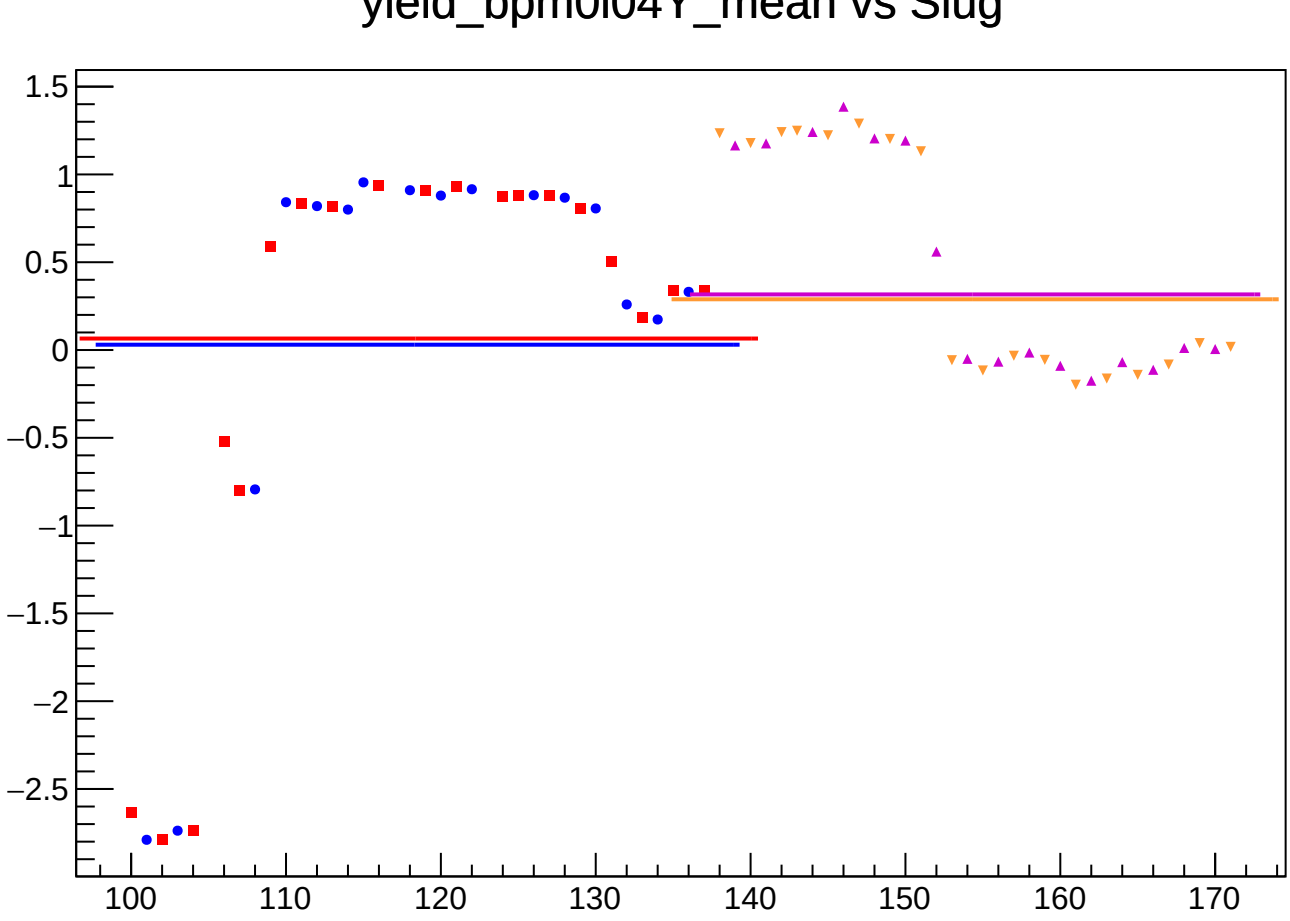
Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:137775.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 3431946.2/33

All: 0.009+/-0.000 χ^2/NDF: 6631517.2/68

- sign 0.009+/-0.000 χ^2/NDF: 3187335.9/34



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.289+/-0.000 χ^2/NDF:97050473250.7/17

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

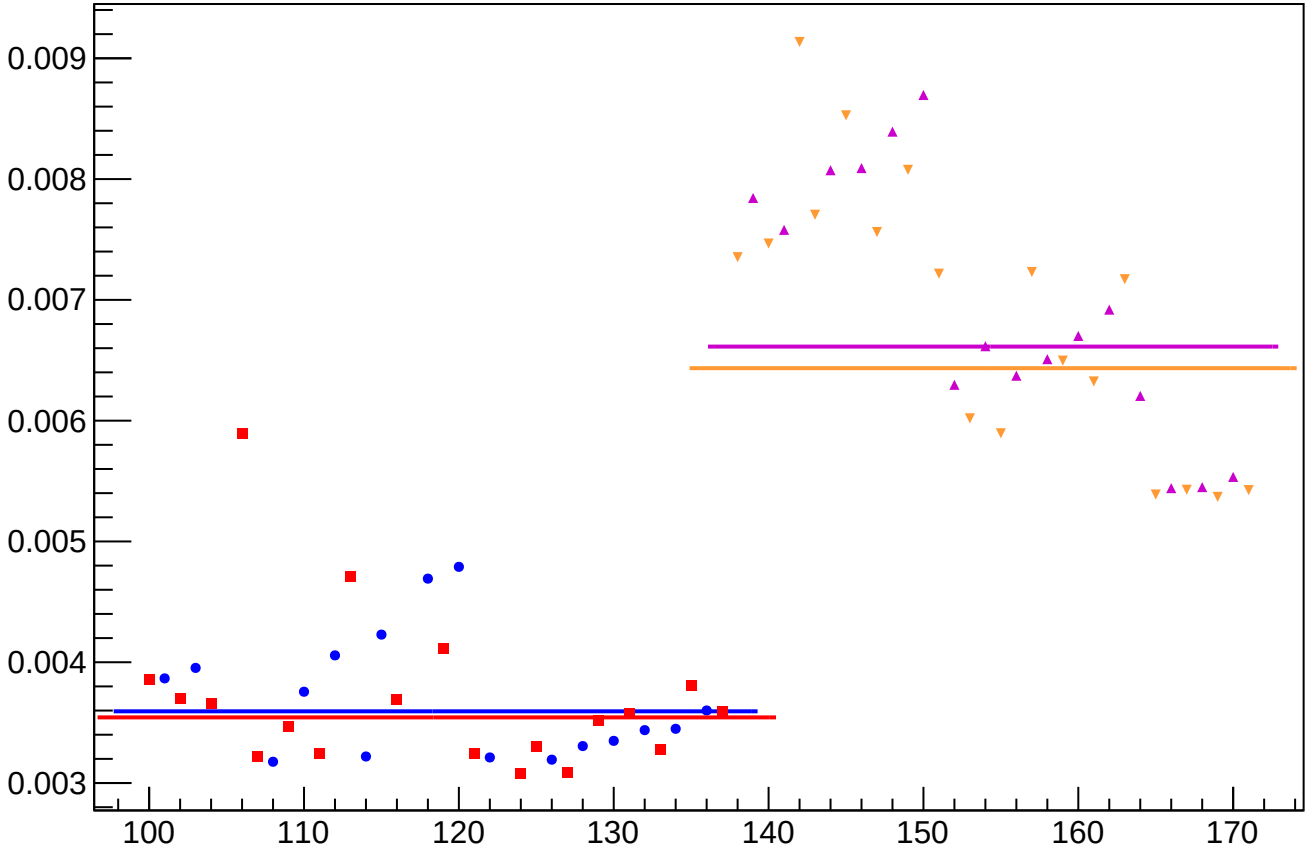
Left In: 0.317+/-0.000 χ^2/NDF:78654176222.1/15

+ sign 0.122+/-0.000 χ^2/NDF: 961131428473.5/33

All: 0.133+/-0.000 χ^2/NDF: 1986472574061.

- sign 0.144+/-0.000 χ^2/NDF: 1025155172807.0/34

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:585860.9/17

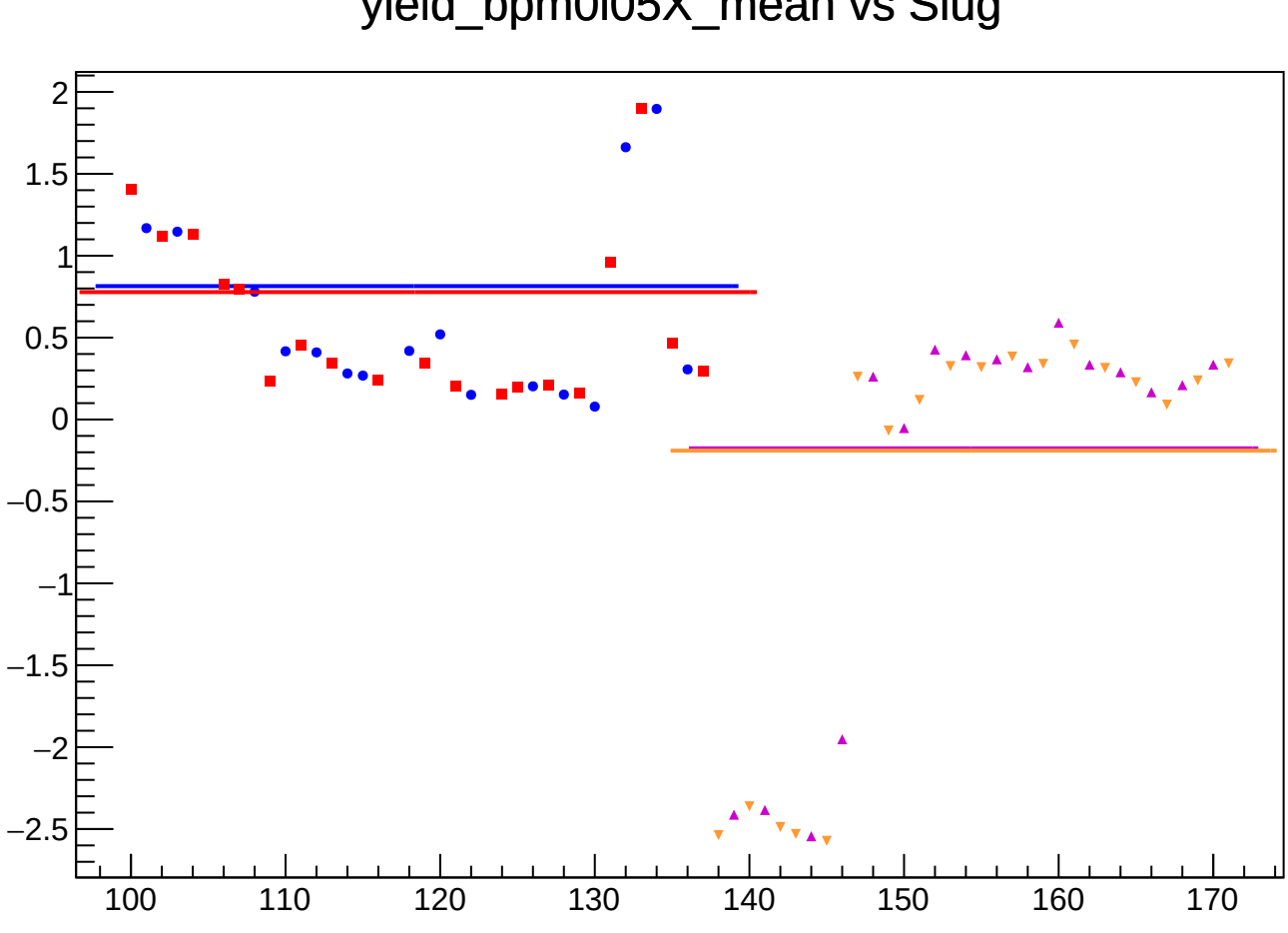
Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:498698.5/15

+ sign 0.005+/-0.000 χ^2/NDF: 3758352.8/33

All: 0.005+/-0.000 χ^2/NDF: 7780362.0/68

- sign 0.005+/-0.000 χ^2/NDF: 4013288.9/34



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.190+/-0.000 χ^2/NDF:373384293040.9/17

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

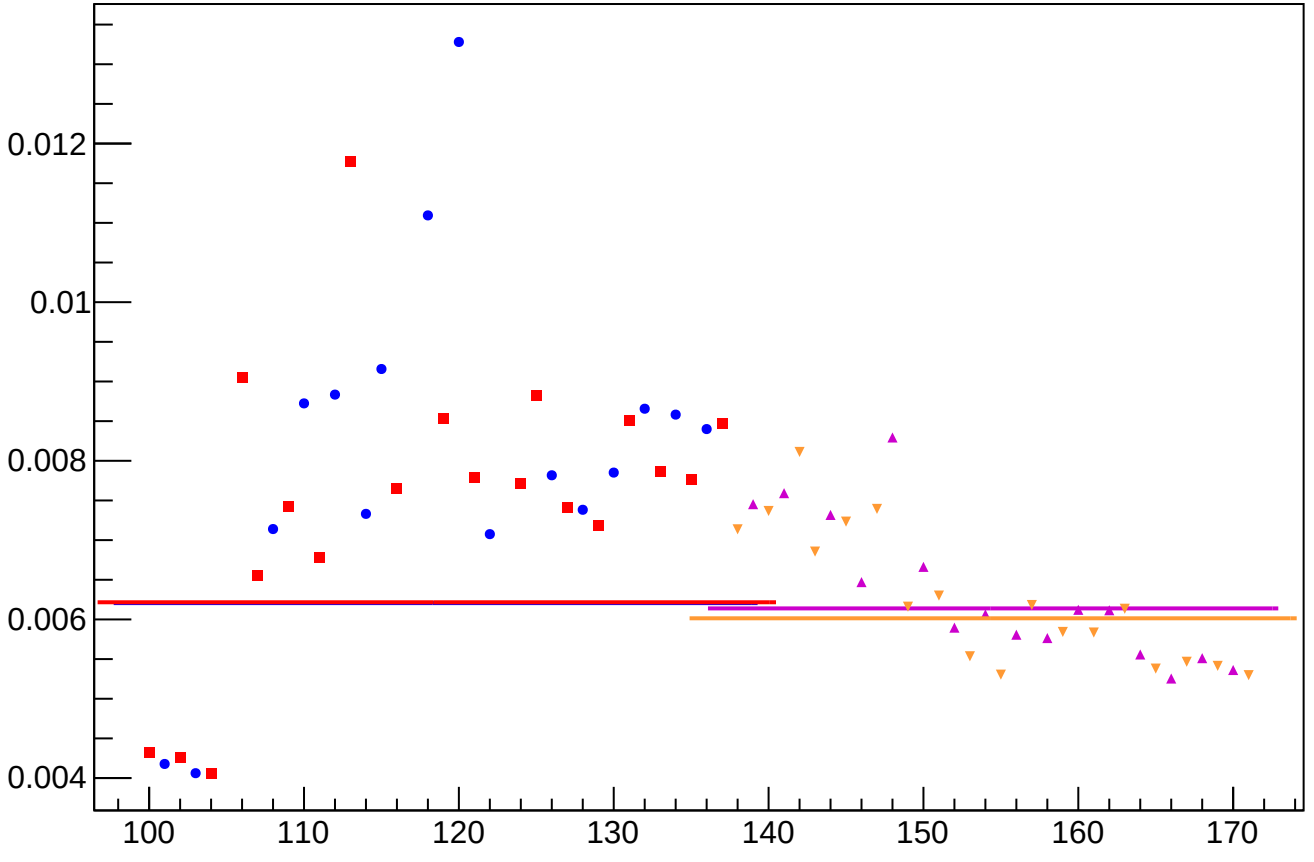
Left In: -0.176+/-0.000 χ^2/NDF:333090978062.3/15

+ sign 0.102+/-0.000 χ^2/NDF: 512035080784.3/33

All: 0.120+/-0.000 χ^2/NDF: 974815292523.3

- sign 0.139+/-0.000 χ^2/NDF: 462456725013.3/34

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:366400.1/17

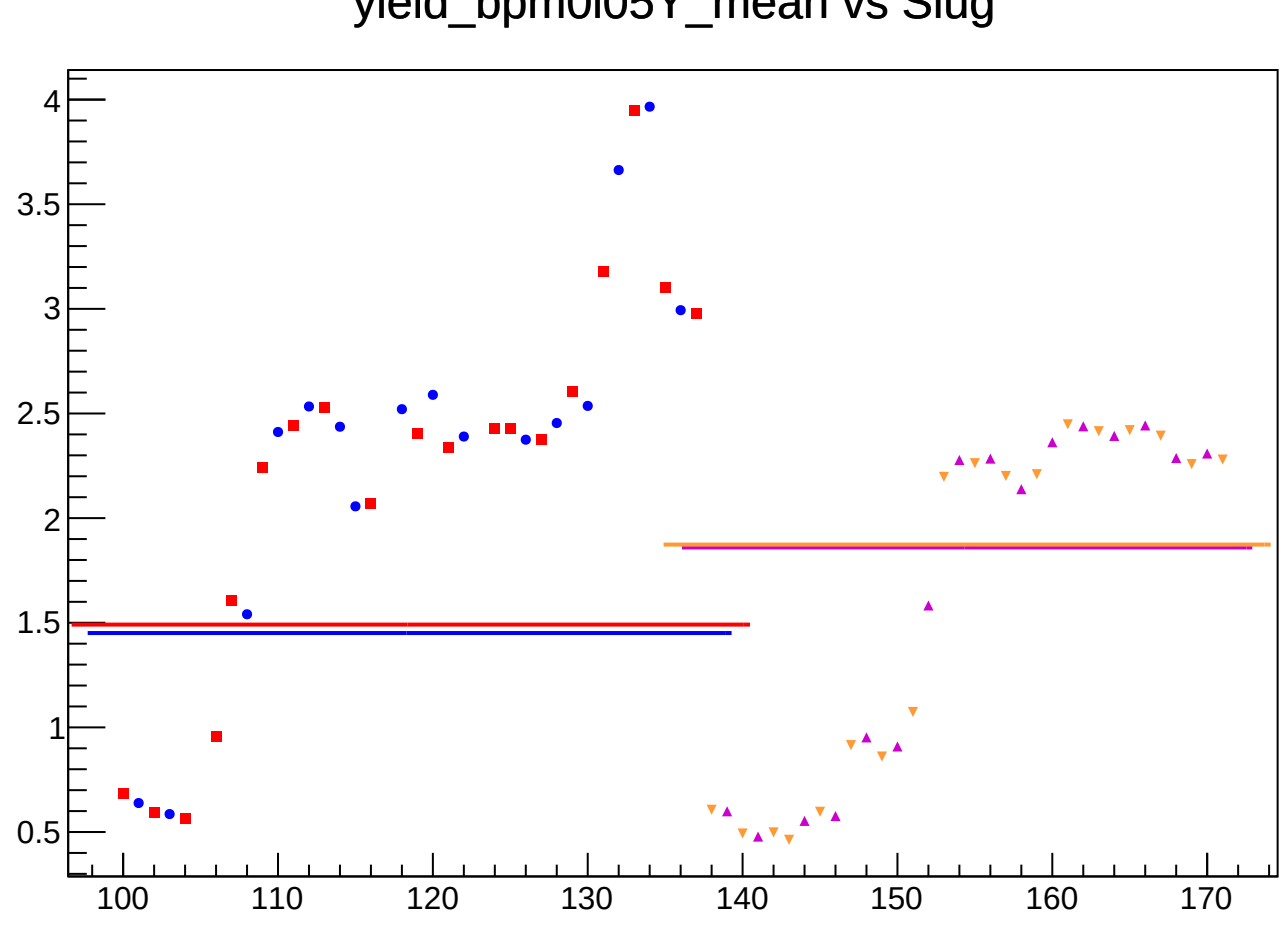
Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:370452.8/15

+ sign 0.006+/-0.000 χ^2/NDF: 1797813.6/33

All: 0.006+/-0.000 χ^2/NDF: 3334947.9/68

- sign 0.006+/-0.000 χ^2/NDF: 1532816.7/34



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.874+/-0.000 χ^2/NDF:199346132390.3/17

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

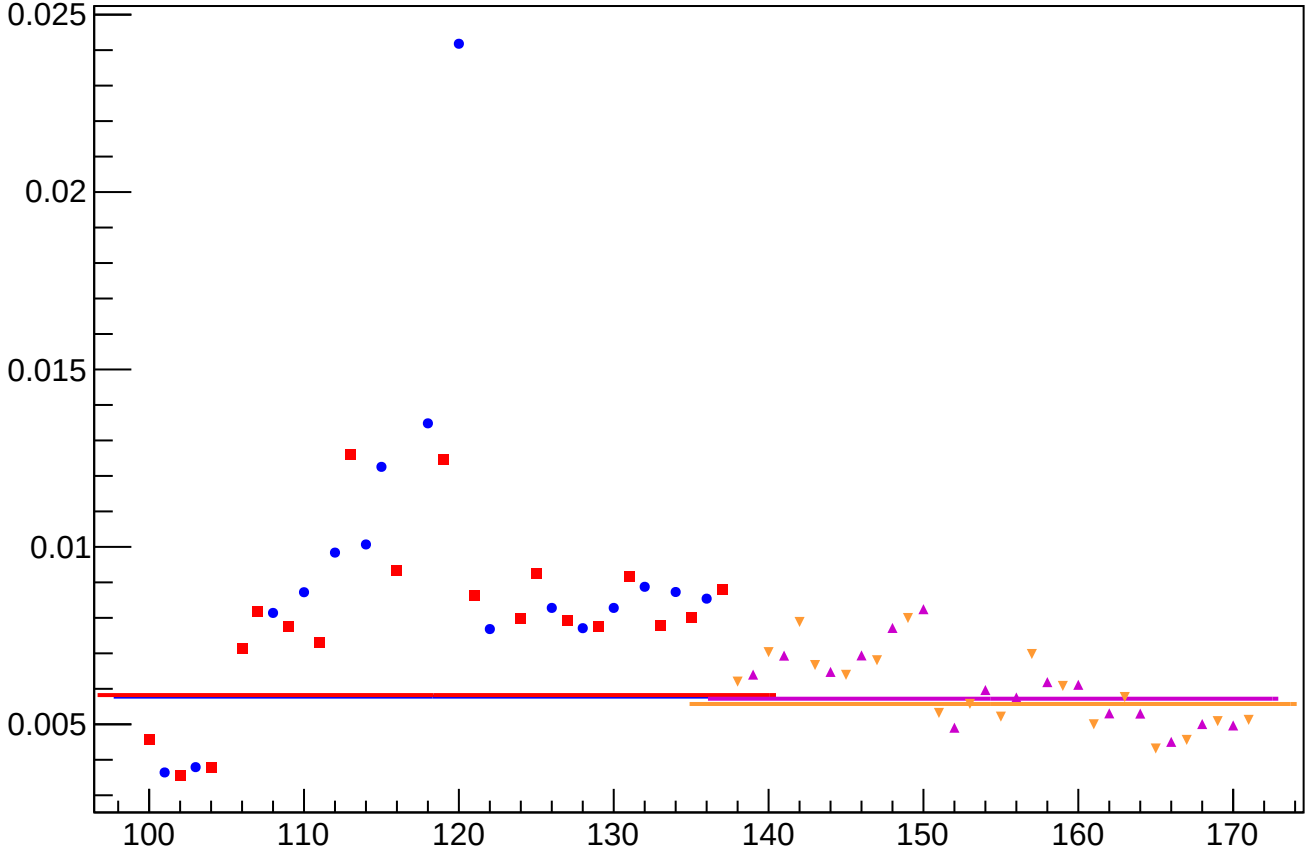
Left In: 1.860+/-0.000 χ^2/NDF:170049178578.7/15

+ sign 1.753+/-0.000 χ^2/NDF: 388097440279.9/33

All: 1.746+/-0.000 χ^2/NDF: 759855247441.2

- sign 1.738+/-0.000 χ^2/NDF: 371706093629.6/34

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:623516.9/17

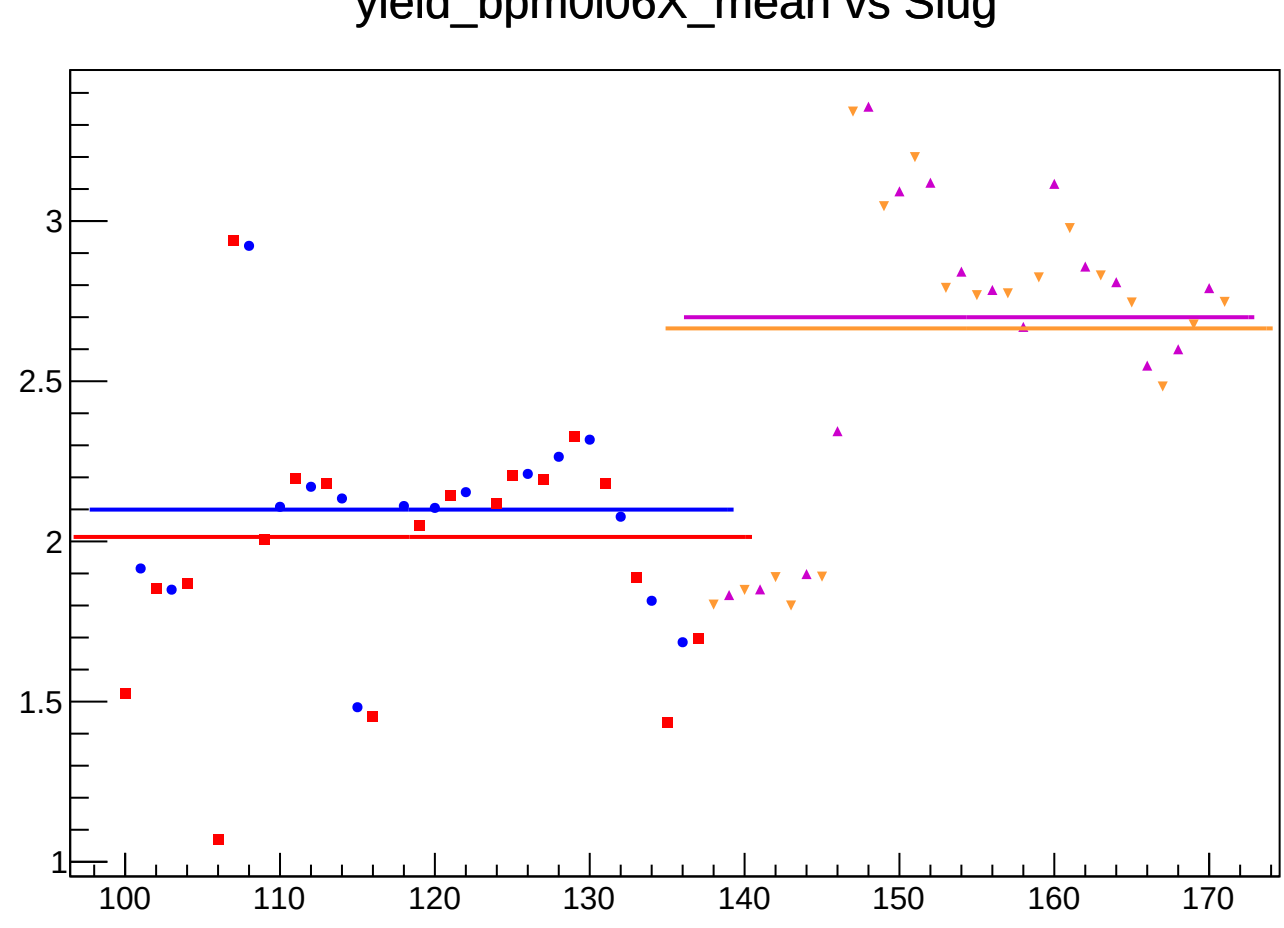
Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:552535.0/15

+ sign 0.006+/-0.000 χ^2/NDF: 2846646.9/33

All: 0.006+/-0.000 χ^2/NDF: 5364872.4/68

- sign 0.006+/-0.000 χ^2/NDF: 2510562.2/34



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.665+/-0.000 χ^2/NDF:43532575070.6/17

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

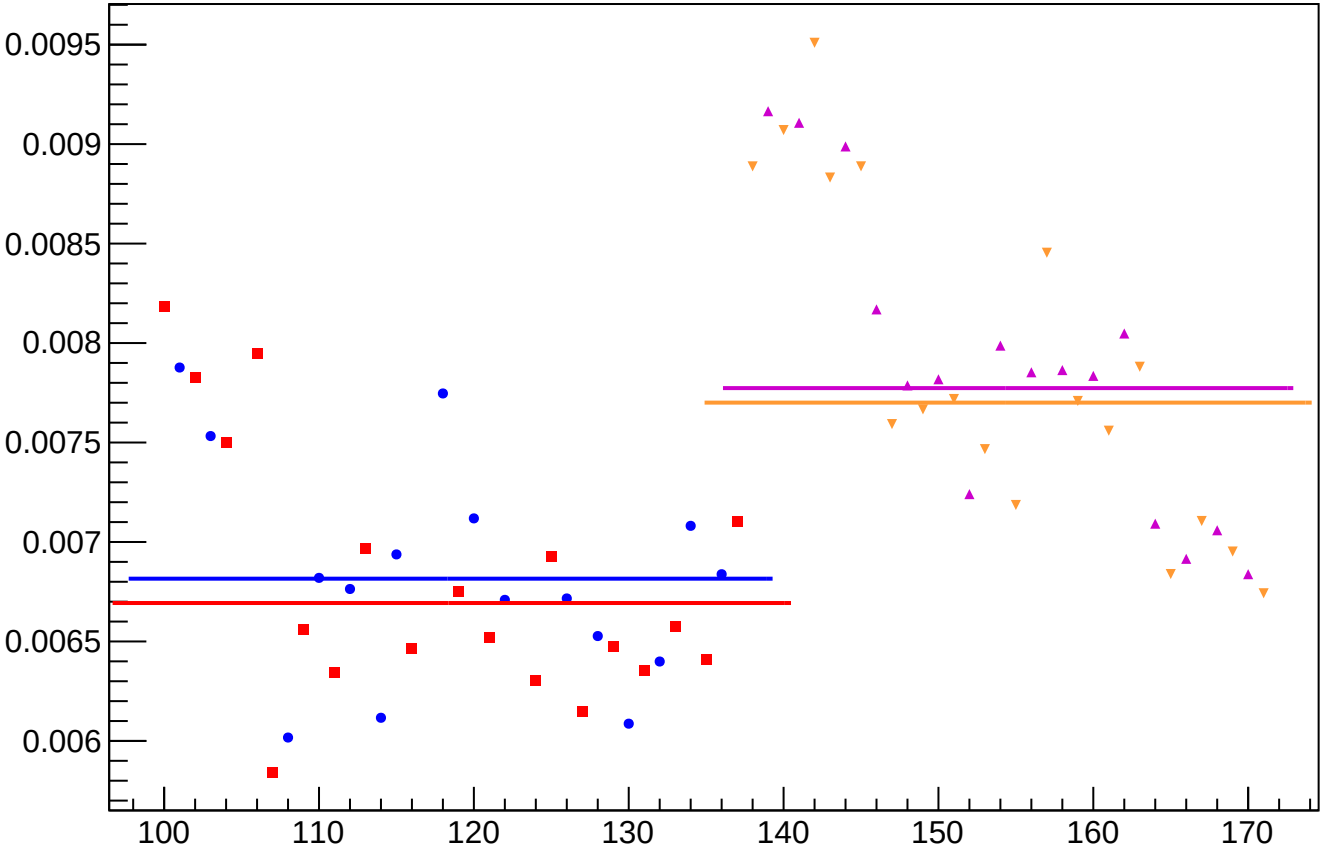
Left In: 2.700+/-0.000 χ^2/NDF:36760675635.7/15

+ sign 2.441+/-0.000 χ^2/NDF: 85846714621.5/33

All: 2.421+/-0.000 χ^2/NDF: 184764489687.1

- sign 2.400+/-0.000 χ^2/NDF: 98616924098.6/34

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:244031.8/17

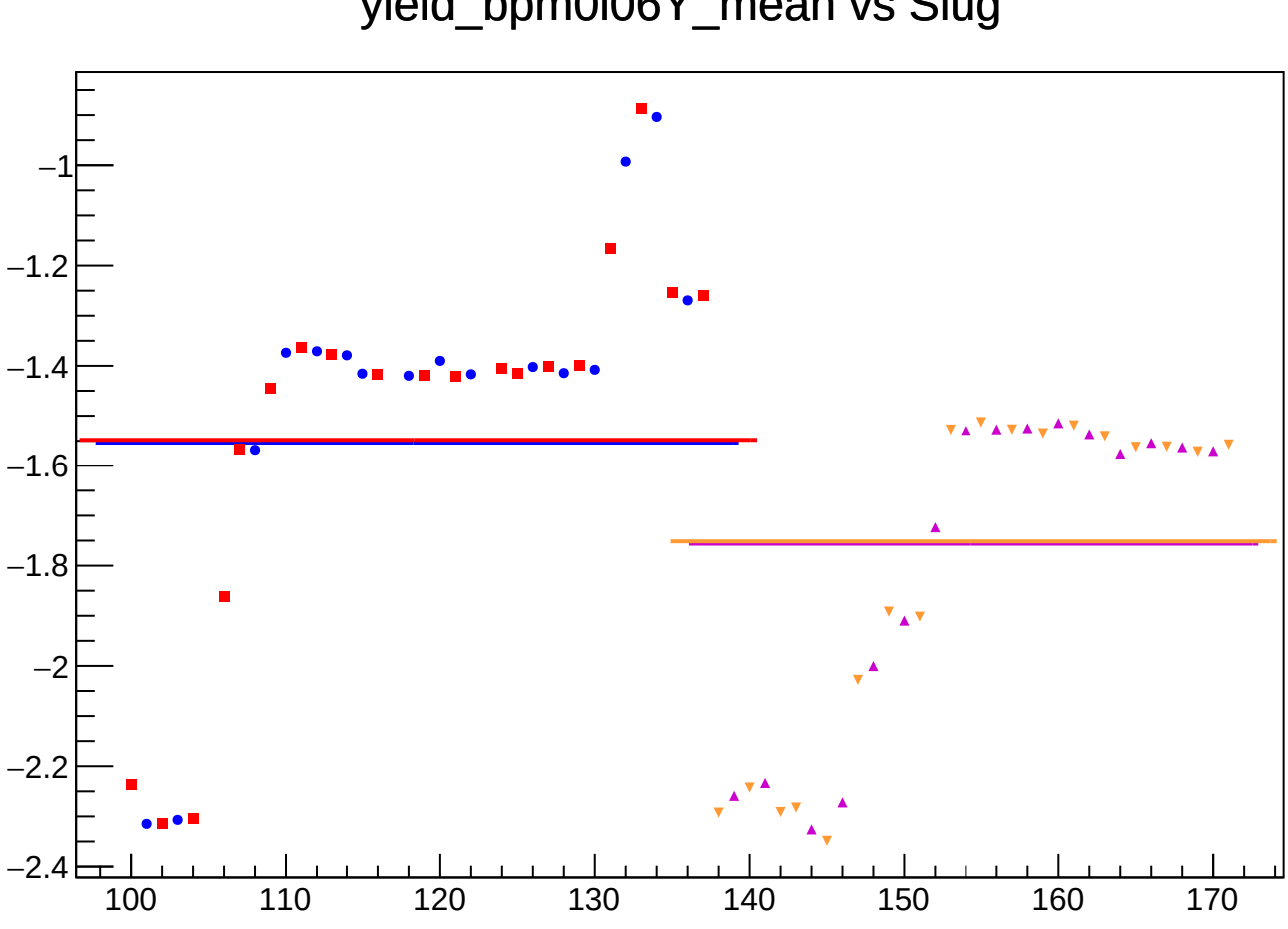
Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:194225.8/15

+ sign 0.007+/-0.000 χ^2/NDF: 469810.4/33

All: 0.007+/-0.000 χ^2/NDF: 962370.2/68

- sign 0.007+/-0.000 χ^2/NDF: 491709.6/34



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.751+/-0.000 χ^2/NDF:142742164504.5/17

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

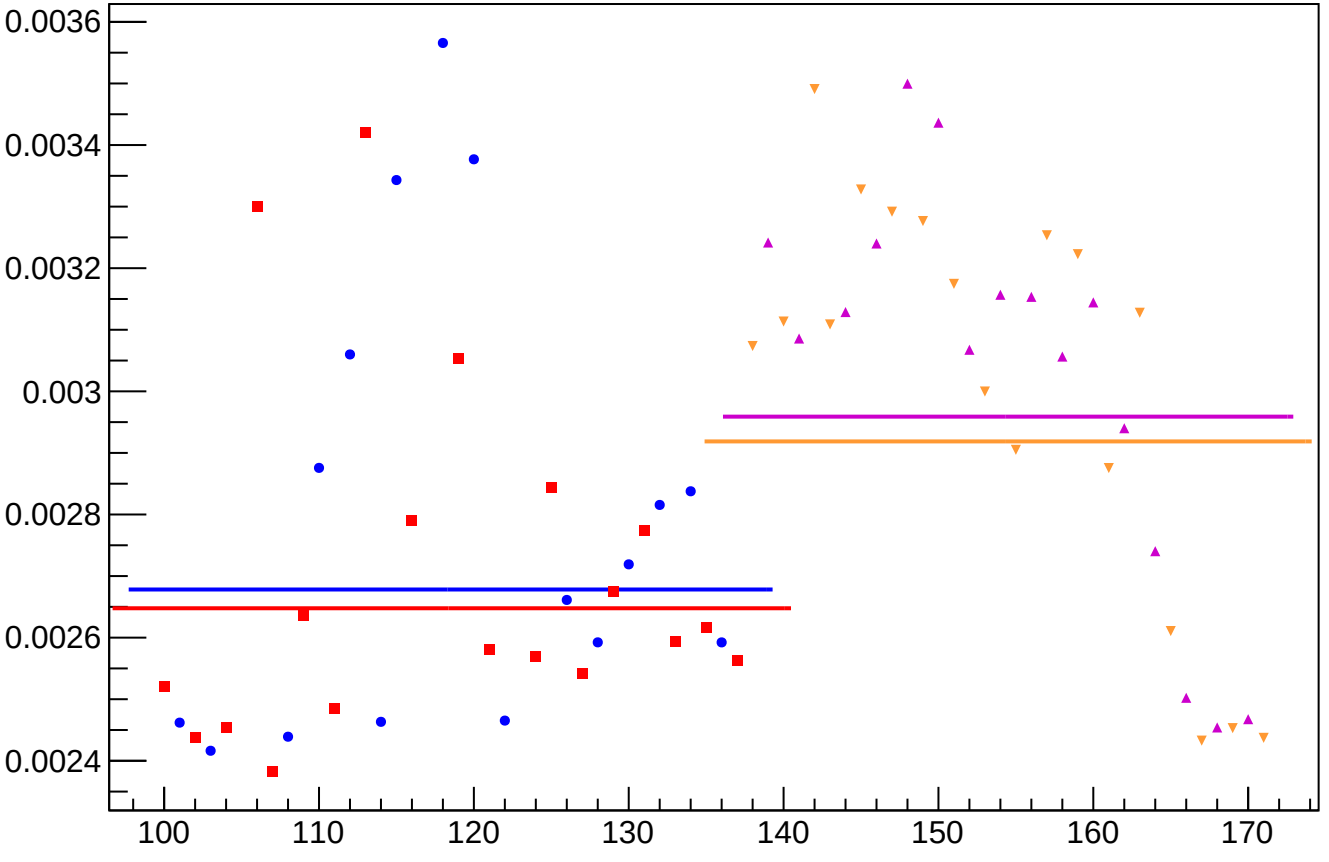
Left In: -1.756+/-0.000 χ^2/NDF:126400665831.3/15

+ sign -1.676+/-0.000 χ^2/NDF: 340628890819.5/33

All: -1.673+/-0.000 χ^2/NDF: 666971518914.3

- sign -1.669+/-0.000 χ^2/NDF: 326278567058.8/34

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:344131.2/17

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

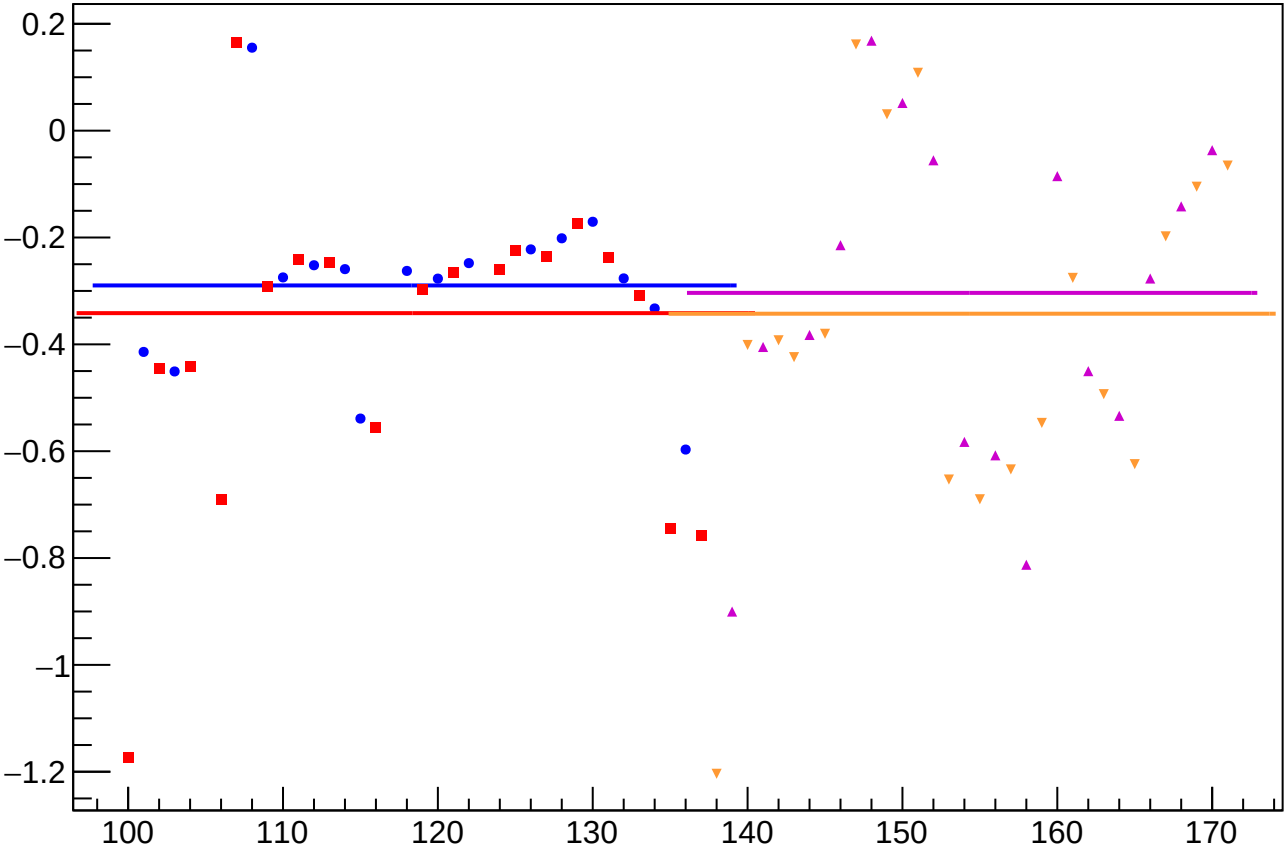
Left In: 0.003+/-0.000 χ^2/NDF:301552.9/15

+ sign 0.003+/-0.000 χ^2/NDF: 569190.5/33

All: 0.003+/-0.000 χ^2/NDF: 1099643.7/68

- sign 0.003+/-0.000 χ^2/NDF: 530449.1/34

yield_bpm0l07X_mean vs Slug



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.343+/-0.000 χ^2/NDF:8401464067.2/17

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

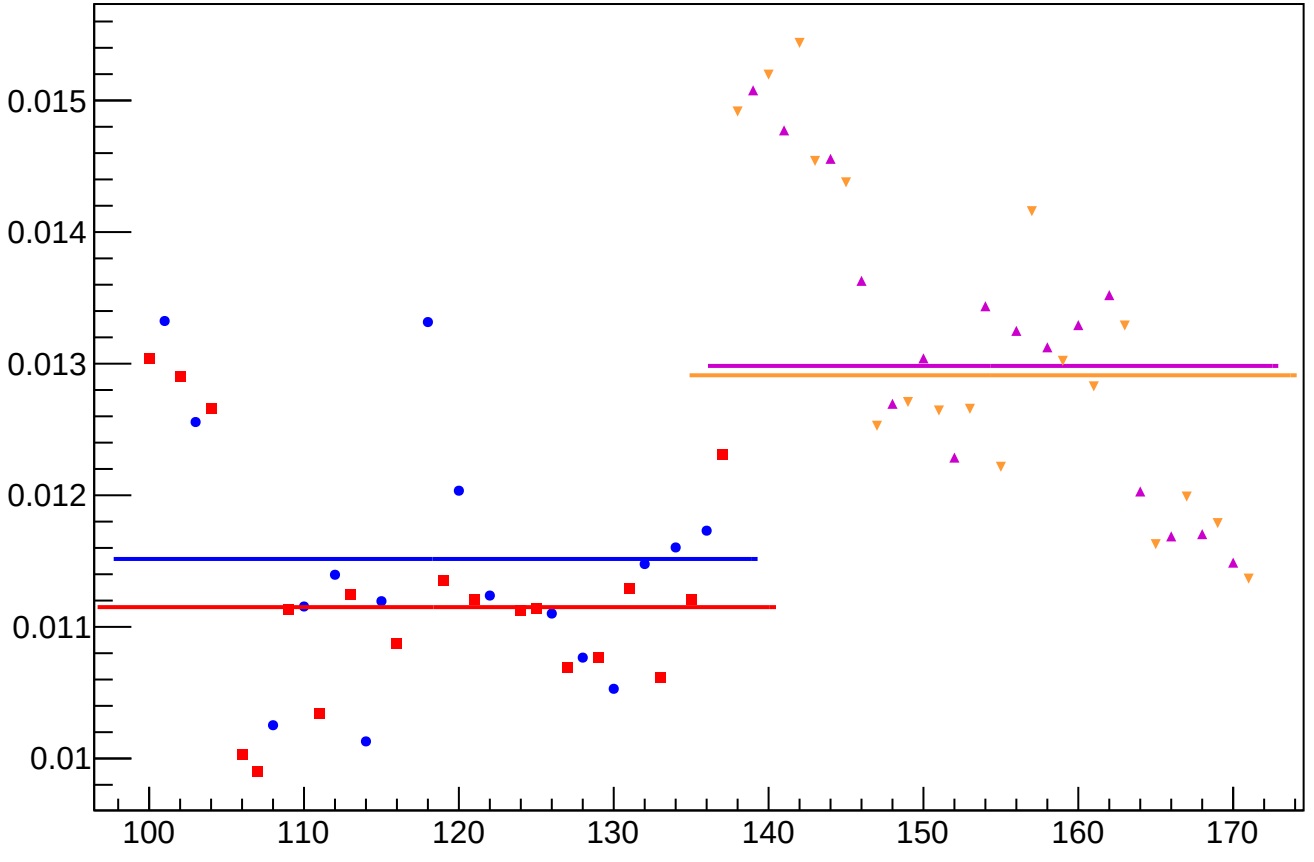
Left In: -0.304+/-0.000 χ^2/NDF:6546066955.0/15

+ sign -0.322+/-0.000 χ^2/NDF: 10135043465.5/33

All: -0.321+/-0.000 χ^2/NDF: 19337267722.9/

- sign -0.320+/-0.000 χ^2/NDF: 9202101612.7/34

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:204547.9/17

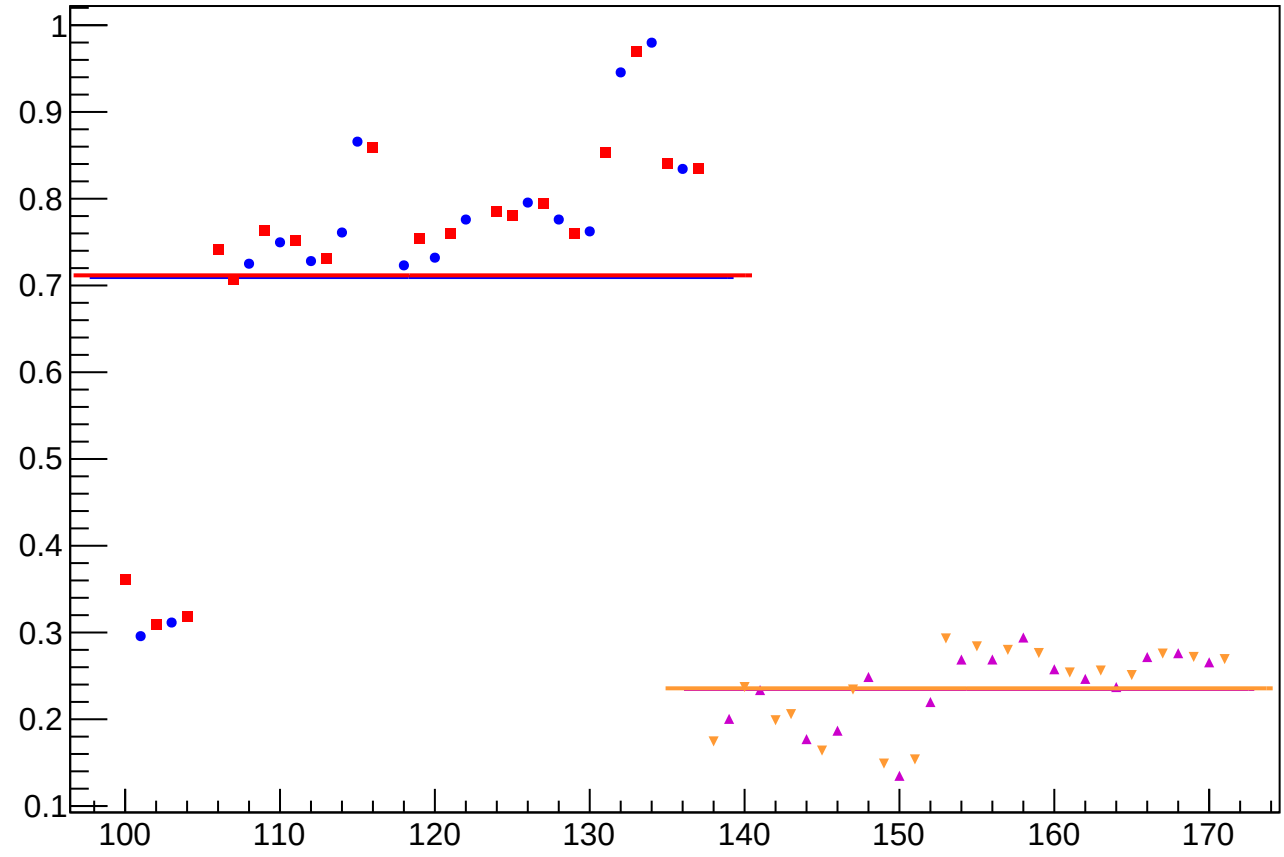
Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:157955.6/15

+ sign 0.012+/-0.000 χ^2/NDF: 411820.5/33

All: 0.012+/-0.000 χ^2/NDF: 863747.2/68

- sign 0.012+/-0.000 χ^2/NDF: 447224.9/34



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.236+/-0.000 χ^2/NDF:6715153967.7/17

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

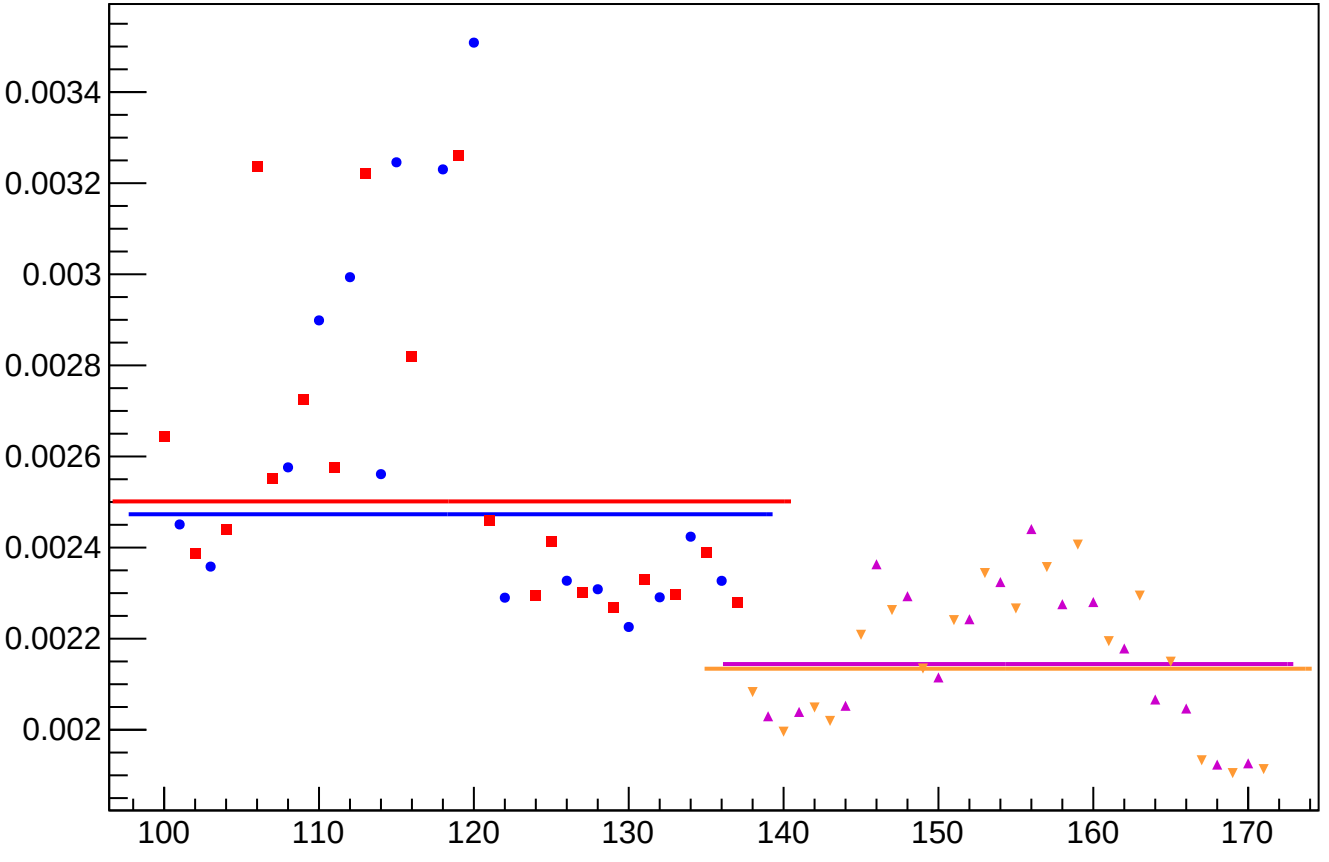
Left In: 0.235+/-0.000 χ^2/NDF:5211398684.4/15

+ sign 0.362+/-0.000 χ^2/NDF: 239568788318.6/33

All: 0.366+/-0.000 χ^2/NDF: 472045270173.0

- sign 0.370+/-0.000 χ^2/NDF: 232322271490.5/34

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:153422.4/17

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

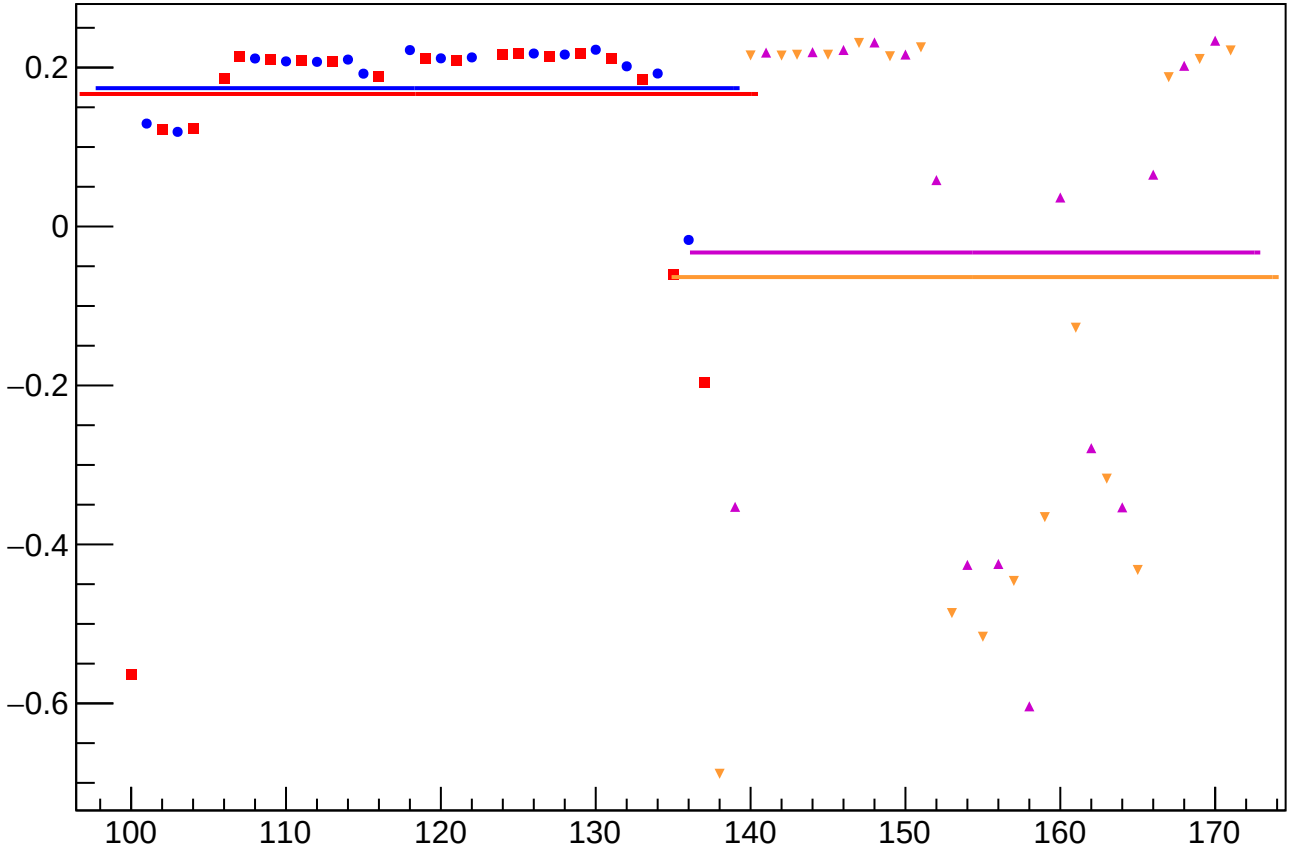
Left In: 0.002+/-0.000 χ^2/NDF:133558.4/15

+ sign 0.002+/-0.000 χ^2/NDF: 549678.9/33

All: 0.002+/-0.000 χ^2/NDF: 1067756.0/68

- sign 0.002+/-0.000 χ^2/NDF: 516181.1/34

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.064+/-0.000 χ^2/NDF:10455013513.5/17

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

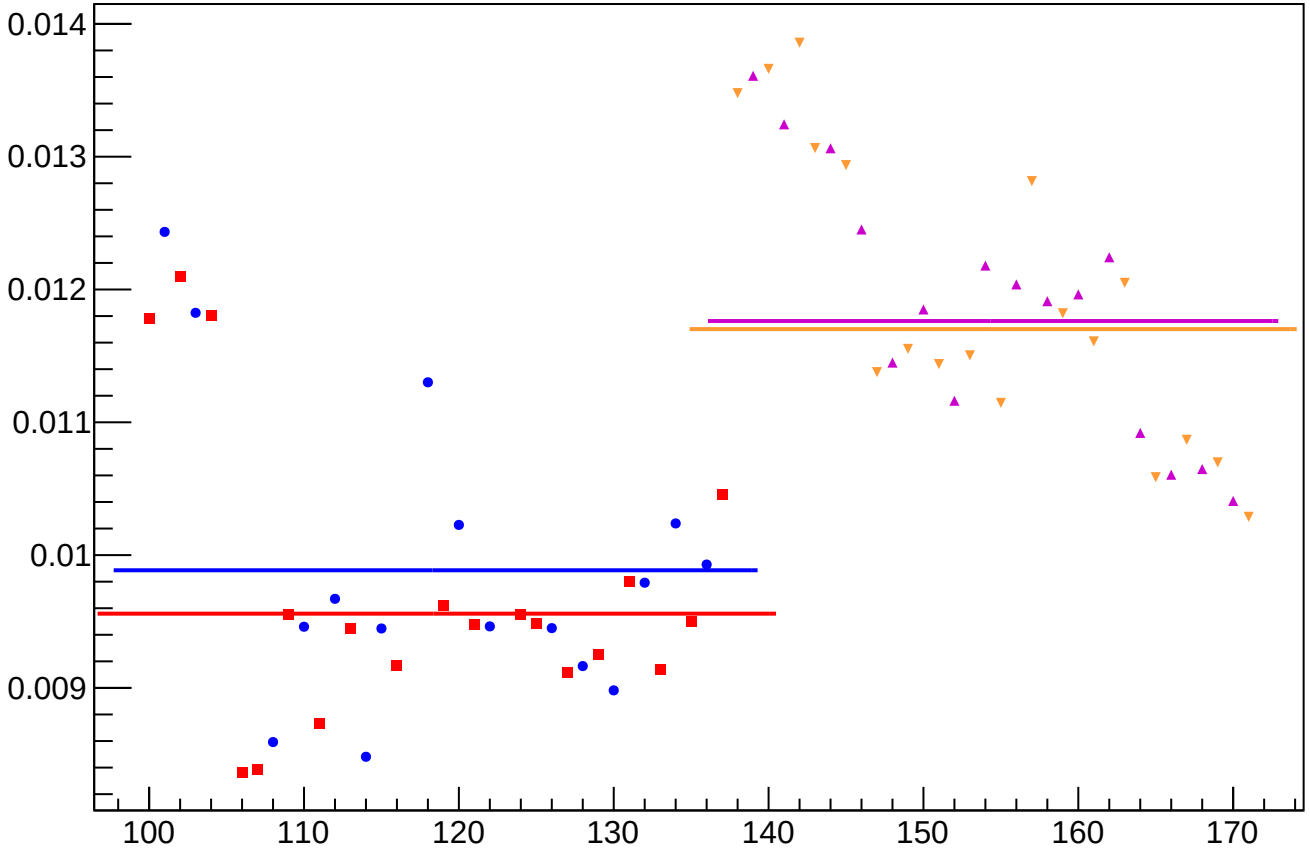
Left In: -0.033+/-0.000 χ^2/NDF:7714884855.0/15

+ sign 0.036+/-0.000 χ^2/NDF: 13165349290.5/33

All: 0.048+/-0.000 χ^2/NDF: 23496650540.1/6

- sign 0.060+/-0.000 χ^2/NDF: 10279701196.6/34

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:191511.1/17

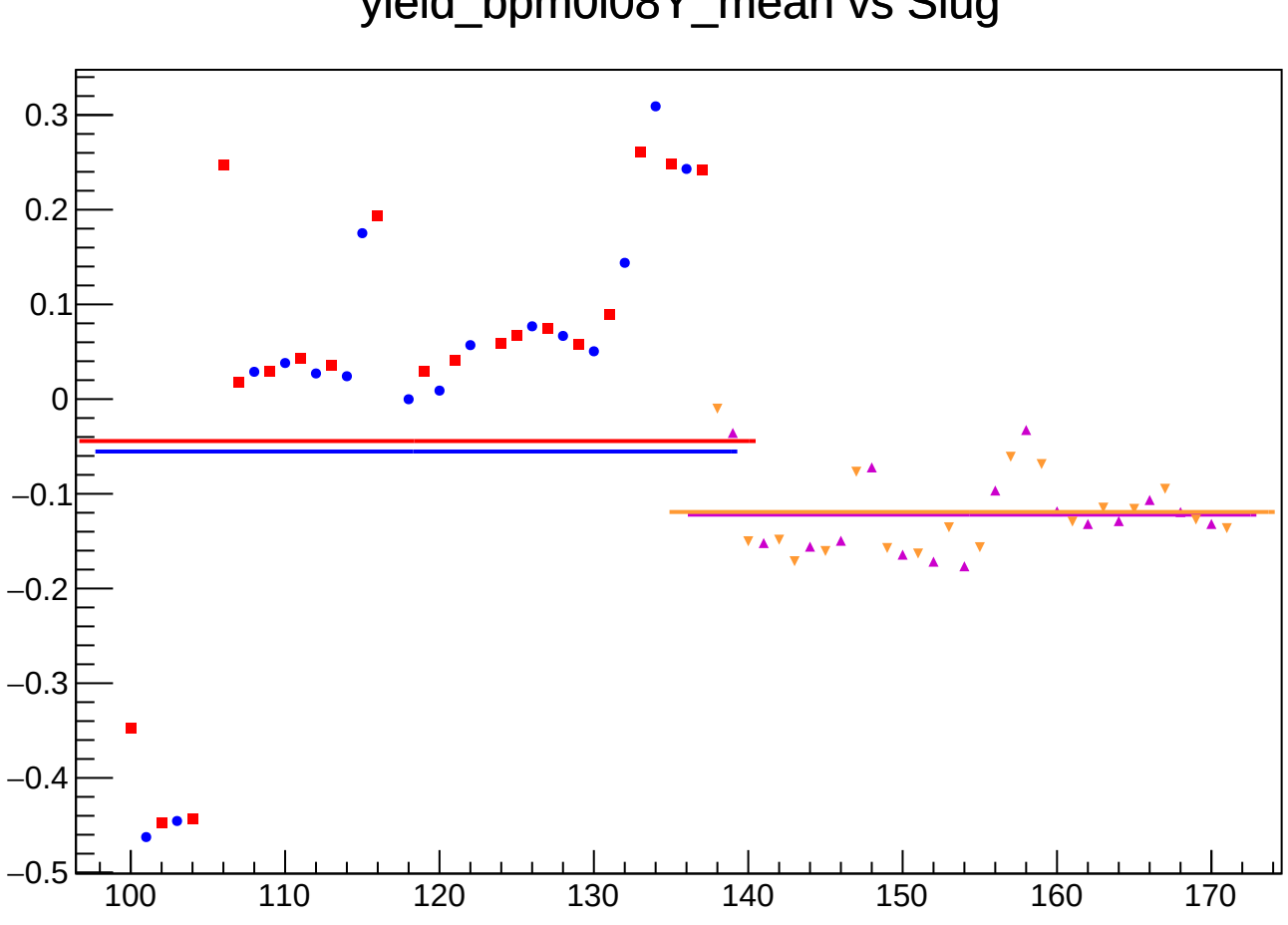
Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:148946.6/15

+ sign 0.011+/-0.000 χ^2/NDF: 609581.2/33

All: 0.011+/-0.000 χ^2/NDF: 1309951.4/68

- sign 0.011+/-0.000 χ^2/NDF: 692983.3/34



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2851113547.2/17

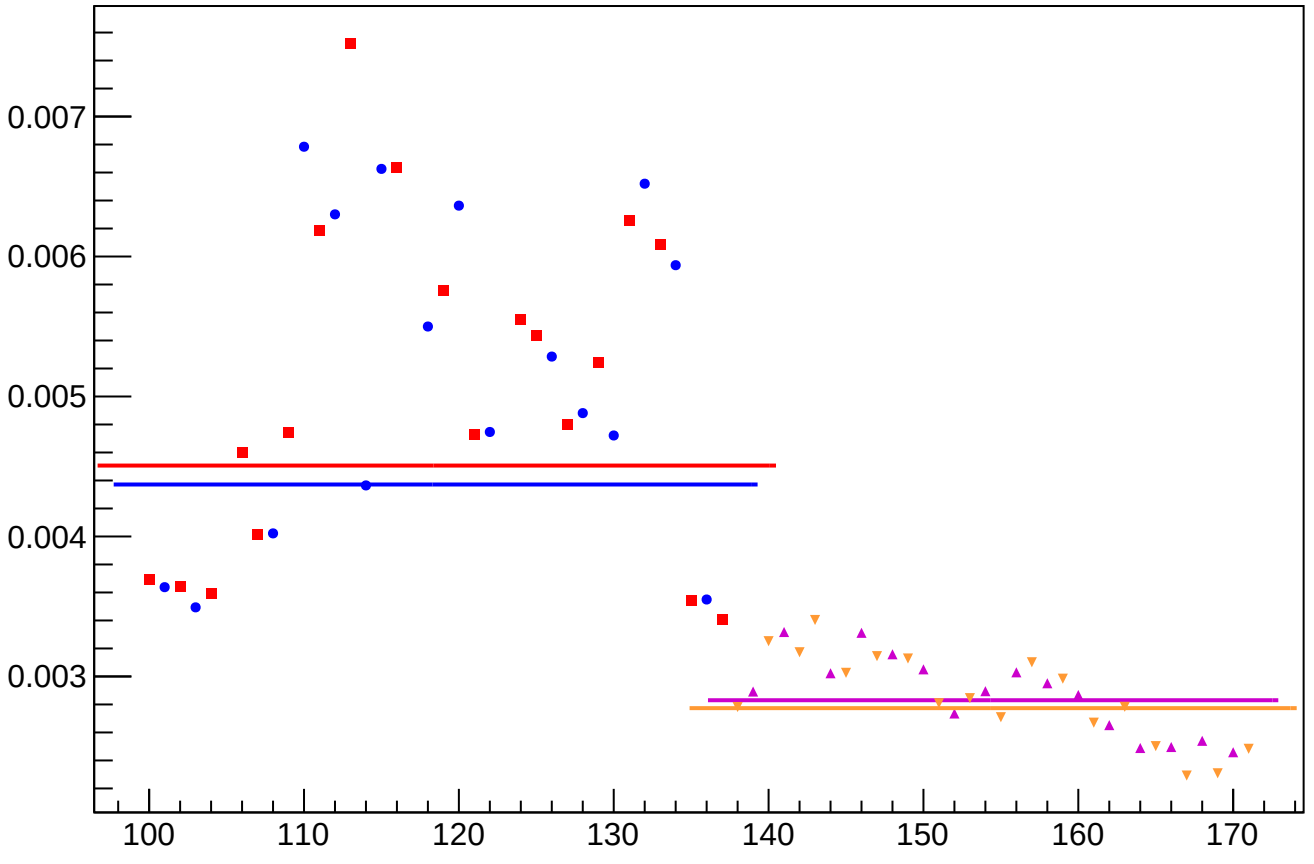
Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.122+/-0.000 χ^2/NDF:2773256610.7/15

+ sign -0.109+/-0.000 χ^2/NDF: 28033154238.9/33

All: -0.109+/-0.000 χ^2/NDF: 54523651151.2/

- sign -0.109+/-0.000 χ^2/NDF: 26490366203.7/34



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:349748.3/17

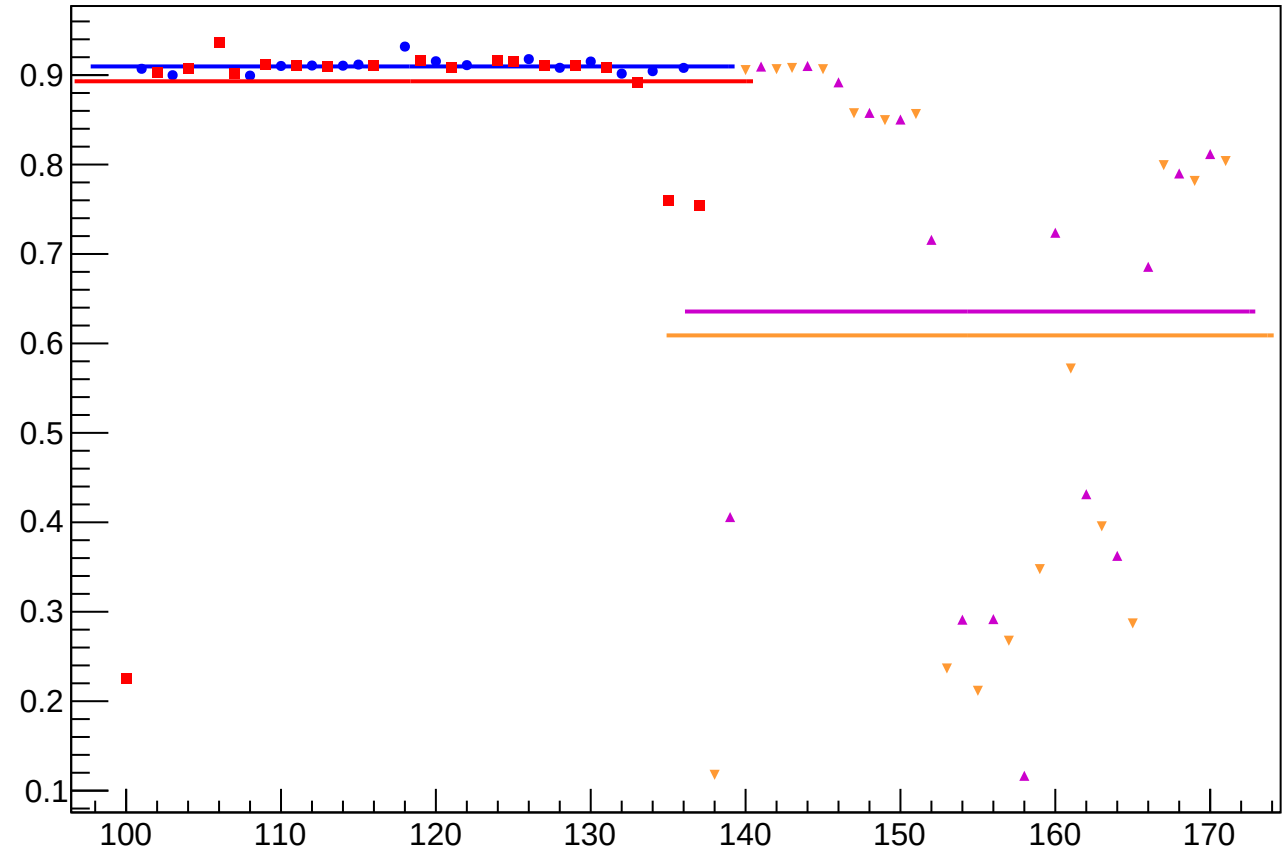
Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:221456.2/15

+ sign 0.003+/-0.000 χ^2/NDF: 2388144.2/33

All: 0.003+/-0.000 χ^2/NDF: 4801796.8/68

- sign 0.003+/-0.000 χ^2/NDF: 2397239.4/34



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.609+/-0.000 χ^2/NDF:8169452669.5/17

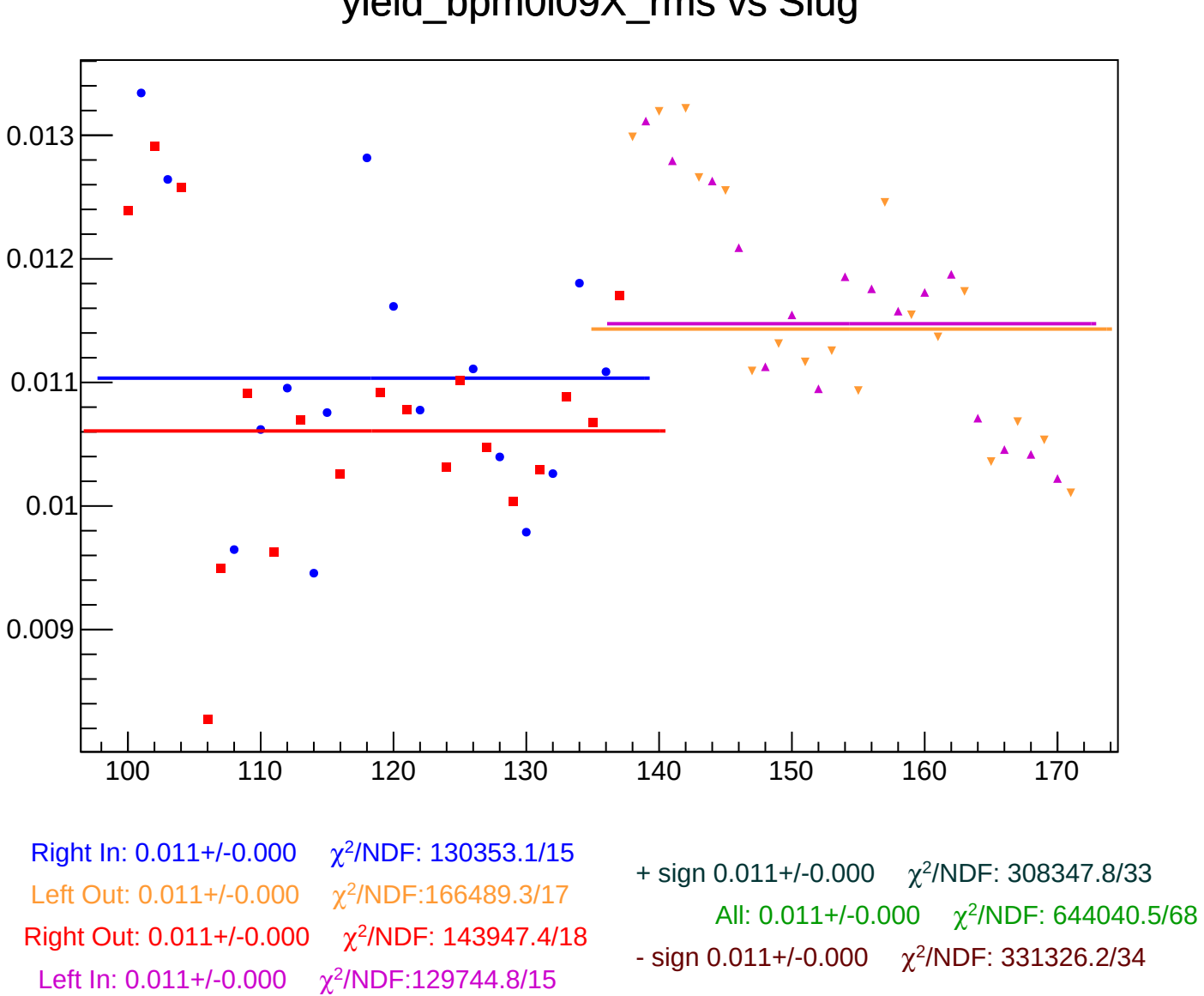
Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

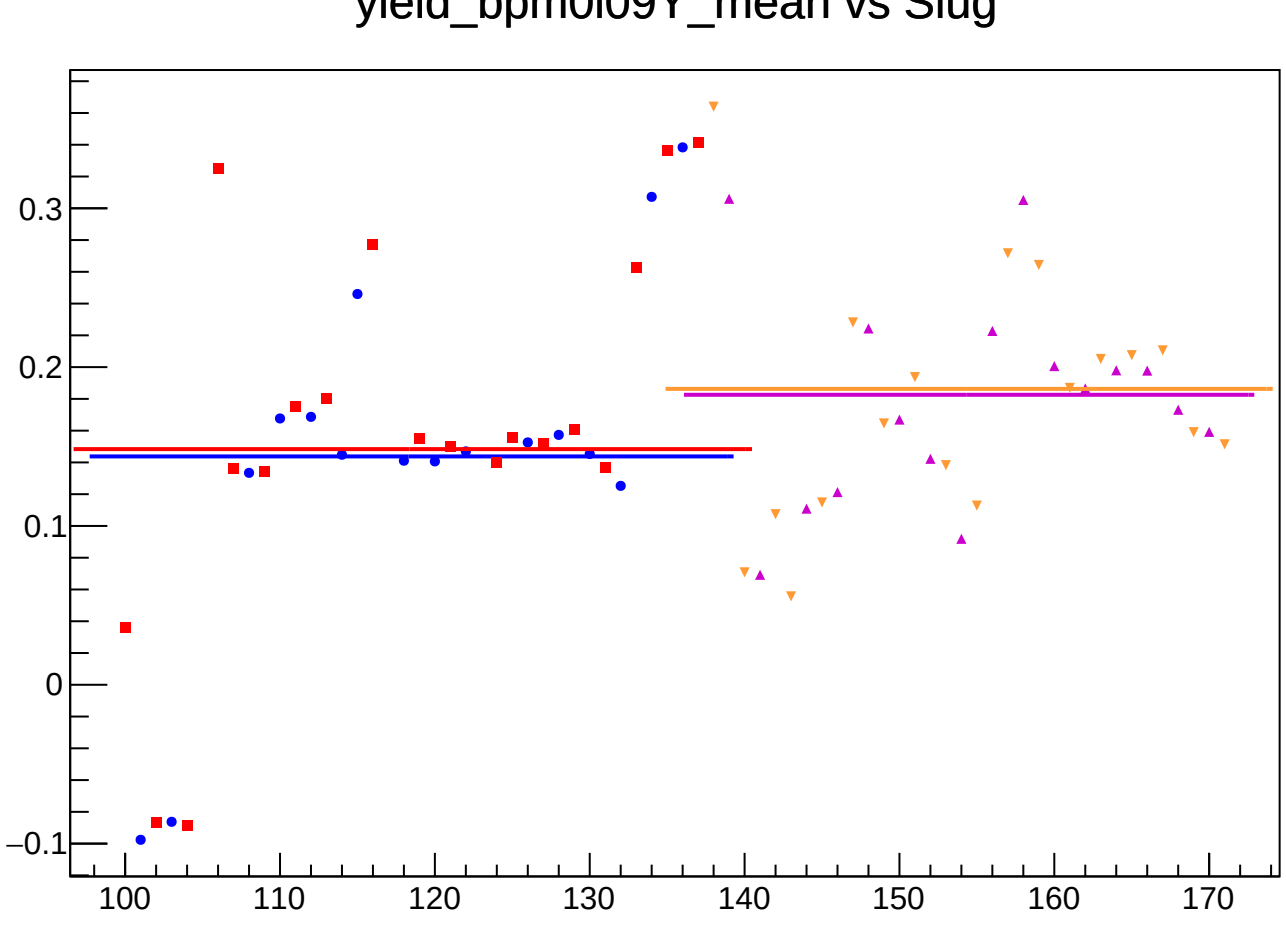
Left In: 0.636+/-0.000 χ^2/NDF:6241448033.2/15

+ sign 0.715+/-0.000 χ^2/NDF: 11469700787.5/33

All: 0.727+/-0.000 χ^2/NDF: 20620872564.2/6

- sign 0.739+/-0.000 χ^2/NDF: 9105394988.2/34


yield_bpm0l09X_rms vs Slug
0.013
0.012
0.011
0.01
0.009
100
110
120
130
140
150
160
170
Right In: 0.011+/-0.000 χ²/NDF: 130353.1/15
Left Out: 0.011+/-0.000 χ²/NDF:166489.3/17
Right Out: 0.011+/-0.000 χ²/NDF: 143947.4/18
Left In: 0.011+/-0.000 χ²/NDF:129744.8/15
+ sign 0.011+/-0.000 χ²/NDF: 308347.8/33
All: 0.011+/-0.000 χ²/NDF: 644040.5/68
- sign 0.011+/-0.000 χ²/NDF: 331326.2/34



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.186+/-0.000 χ^2/NDF:6232180610.0/17

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

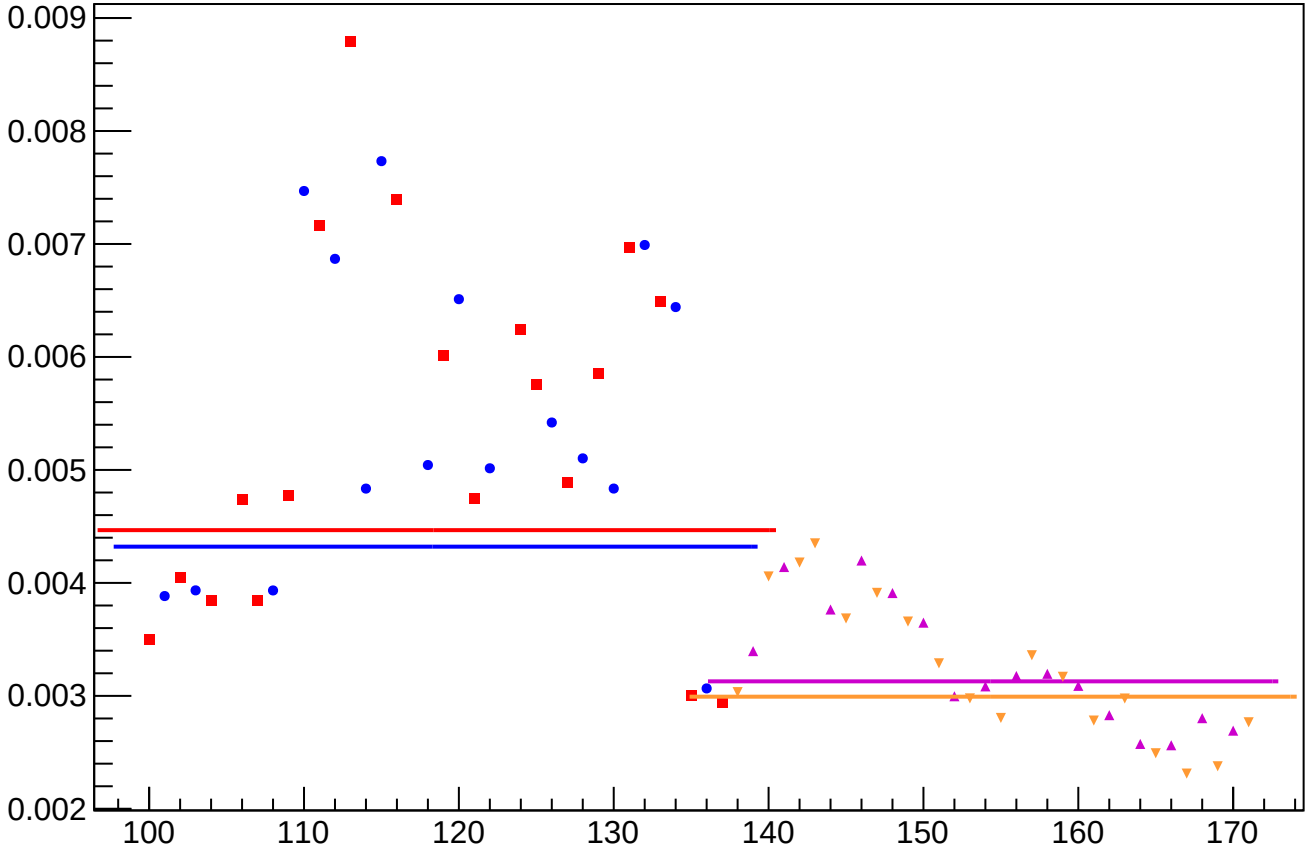
Left In: 0.183+/-0.000 χ^2/NDF:4497284191.1/15

+ sign 0.179+/-0.000 χ^2/NDF: 14556171055.2/33

All: 0.177+/-0.000 χ^2/NDF: 26468723519.1/6

- sign 0.176+/-0.000 χ^2/NDF: 11905599822.9/34

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:838620.6/17

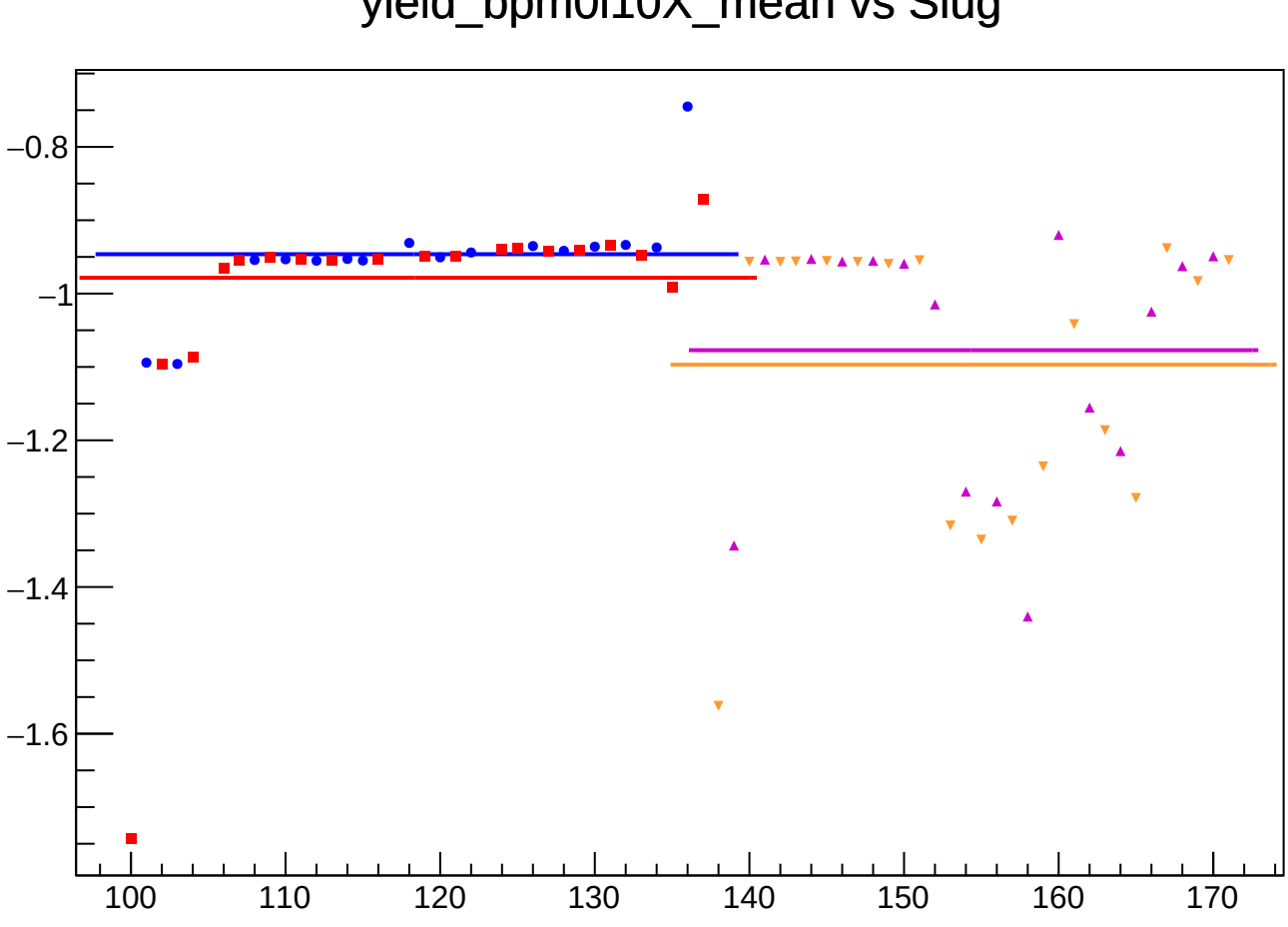
Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:530144.0/15

+ sign 0.003+/-0.000 χ^2/NDF: 2608133.3/33

All: 0.003+/-0.000 χ^2/NDF: 5124696.9/68

- sign 0.003+/-0.000 χ^2/NDF: 2472972.3/34



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.097+/-0.000 χ^2/NDF:4212431111.3/17

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

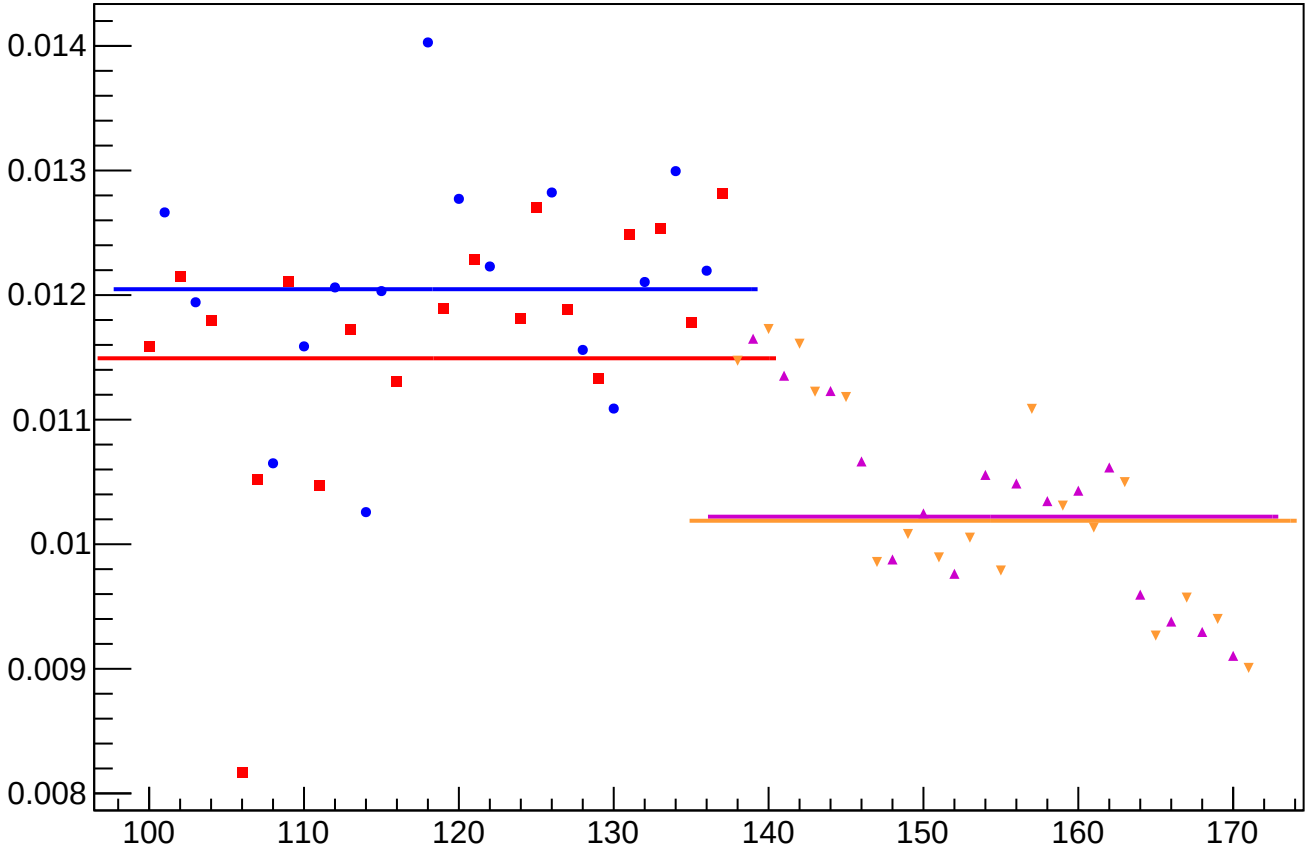
Left In: -1.077+/-0.000 χ^2/NDF:3288990665.0/15

+ sign -1.057+/-0.000 χ^2/NDF: 5405266672.3/33

All: -1.052+/-0.000 χ^2/NDF: 9529064889.8/6

- sign -1.047+/-0.000 χ^2/NDF: 4114405021.3/34

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:157715.0/17

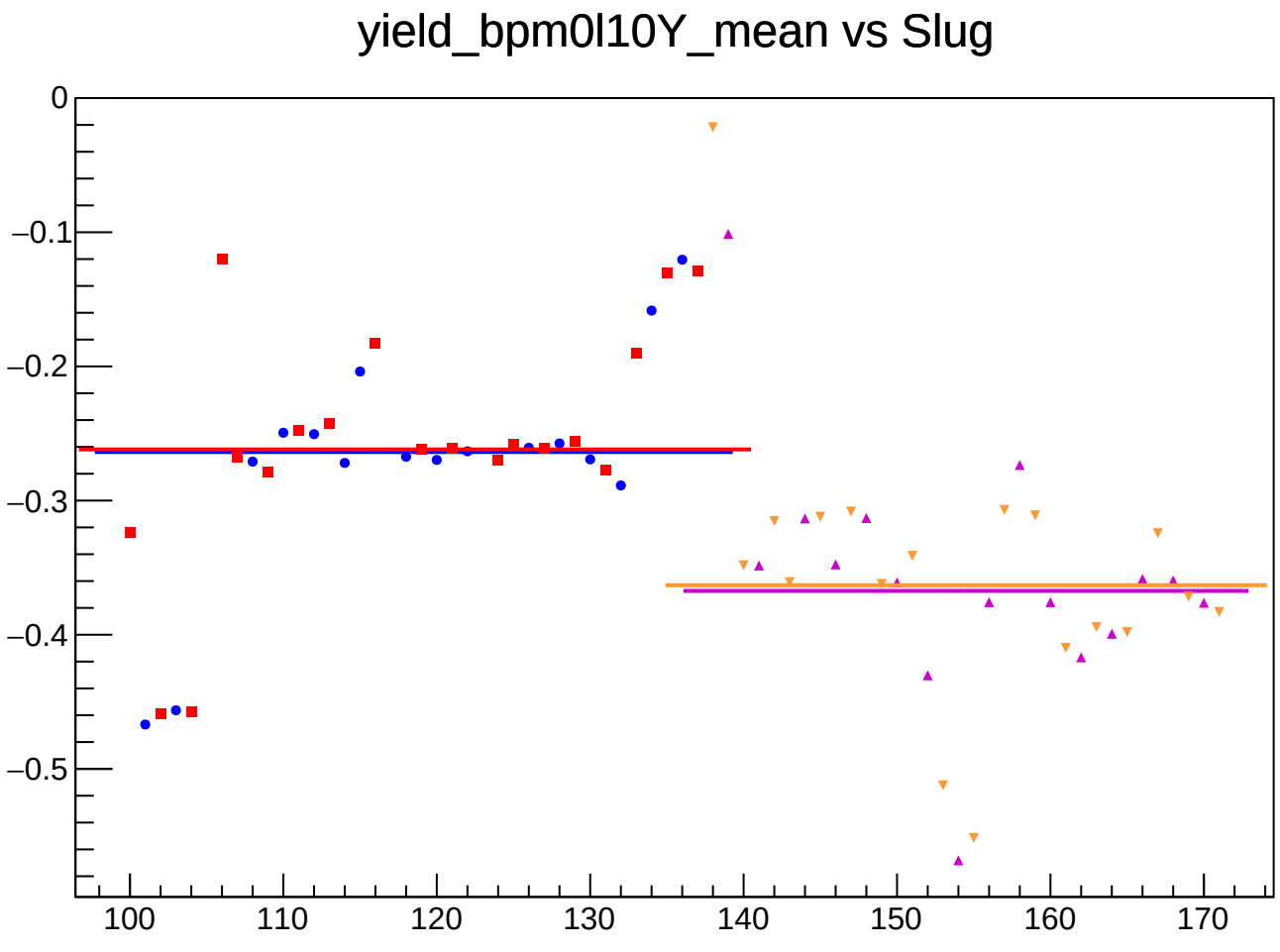
Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:123874.4/15

+ sign 0.011+/-0.000 χ^2/NDF: 460223.4/33

All: 0.011+/-0.000 χ^2/NDF: 857136.8/68

- sign 0.011+/-0.000 χ^2/NDF: 396106.5/34



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.363+/-0.000 χ^2/NDF:11880438941.9/17

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

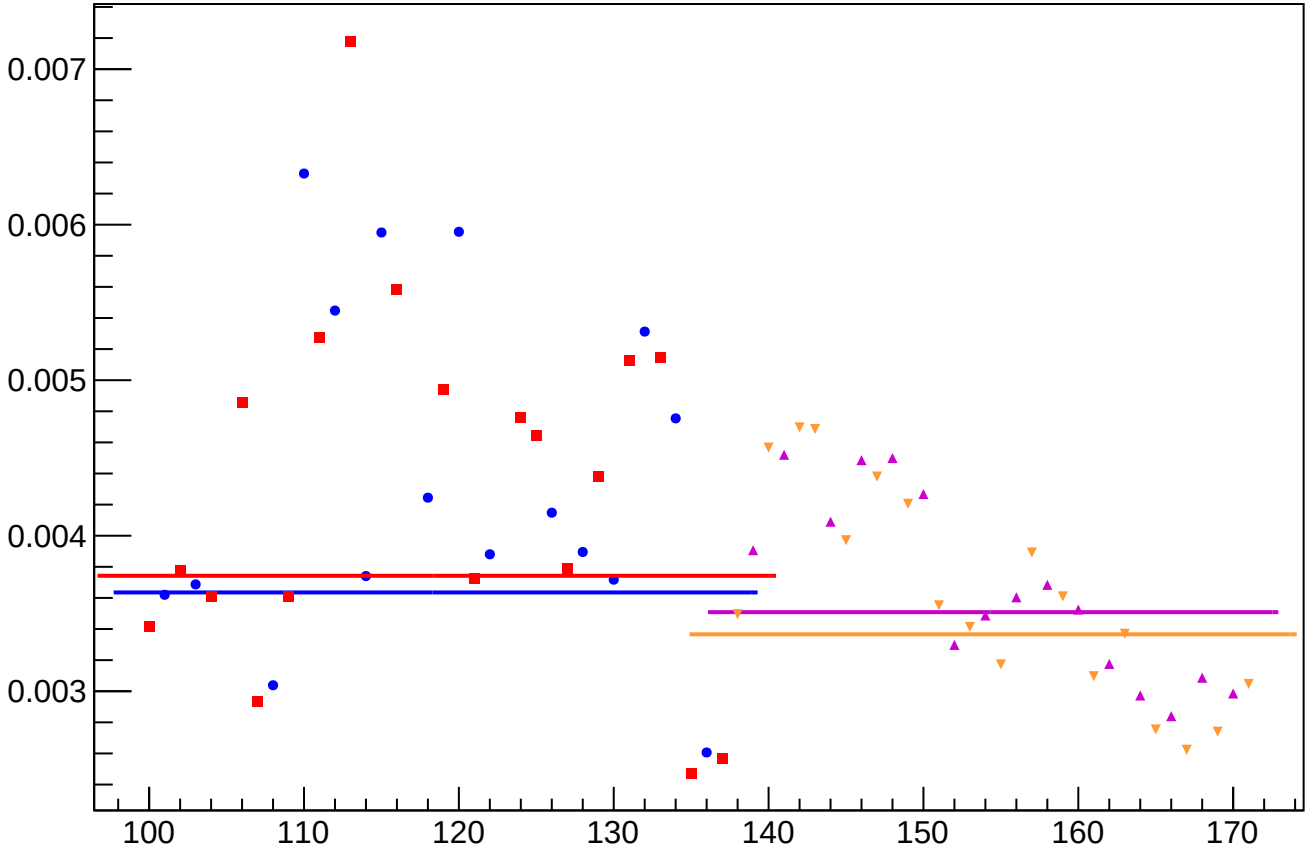
Left In: -0.367+/-0.000 χ^2/NDF:7561366458.1/15

+ sign -0.335+/-0.000 χ^2/NDF: 21084054535.9/33

All: -0.335+/-0.000 χ^2/NDF: 37193889827.6/

- sign -0.335+/-0.000 χ^2/NDF: 16109562941.5/34

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:781367.0/17

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

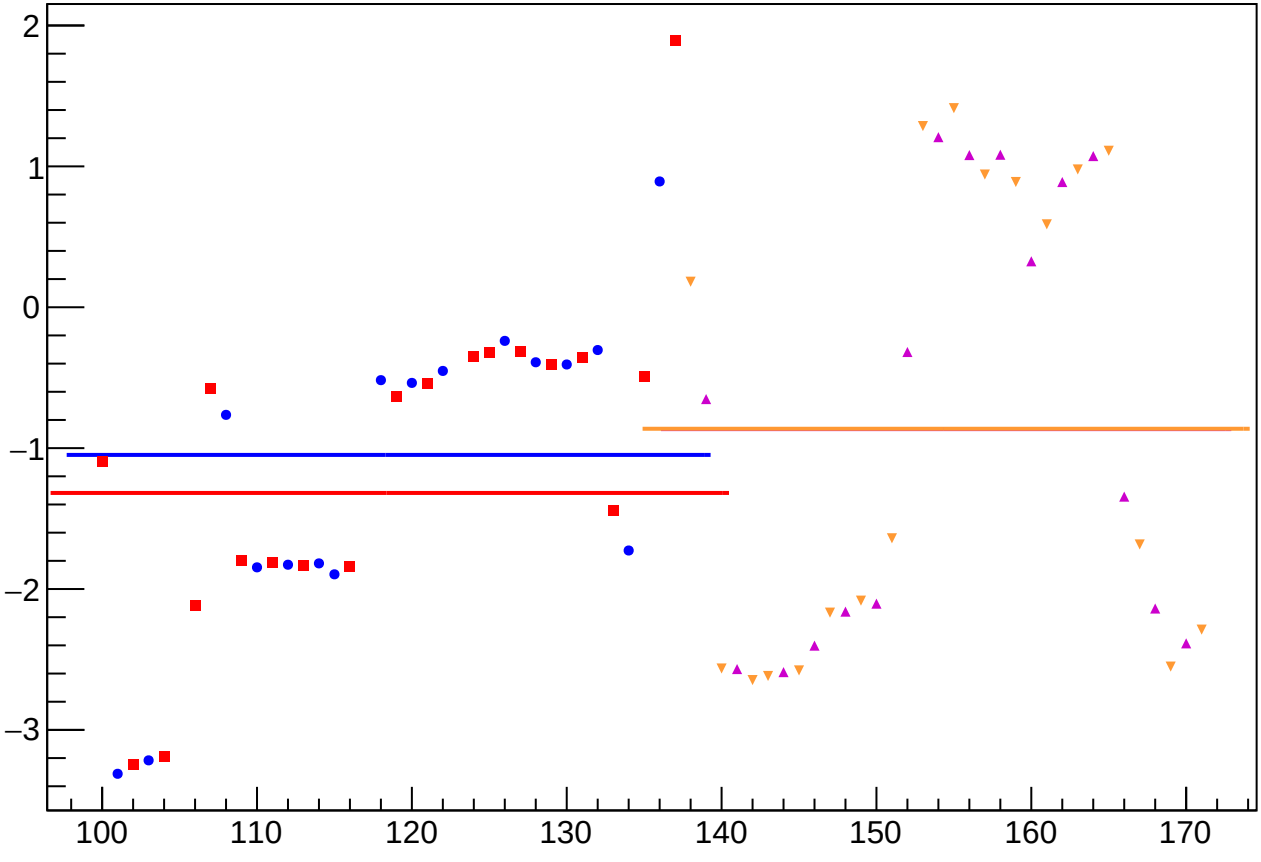
Left In: 0.004+/-0.000 χ^2/NDF:519140.9/15

+ sign 0.003+/-0.000 χ^2/NDF: 1555513.7/33

All: 0.004+/-0.000 χ^2/NDF: 3029909.8/68

- sign 0.004+/-0.000 χ^2/NDF: 1445810.1/34

yield_bpm0r03X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.862+/-0.000 χ^2/NDF:6526472575.8/17

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

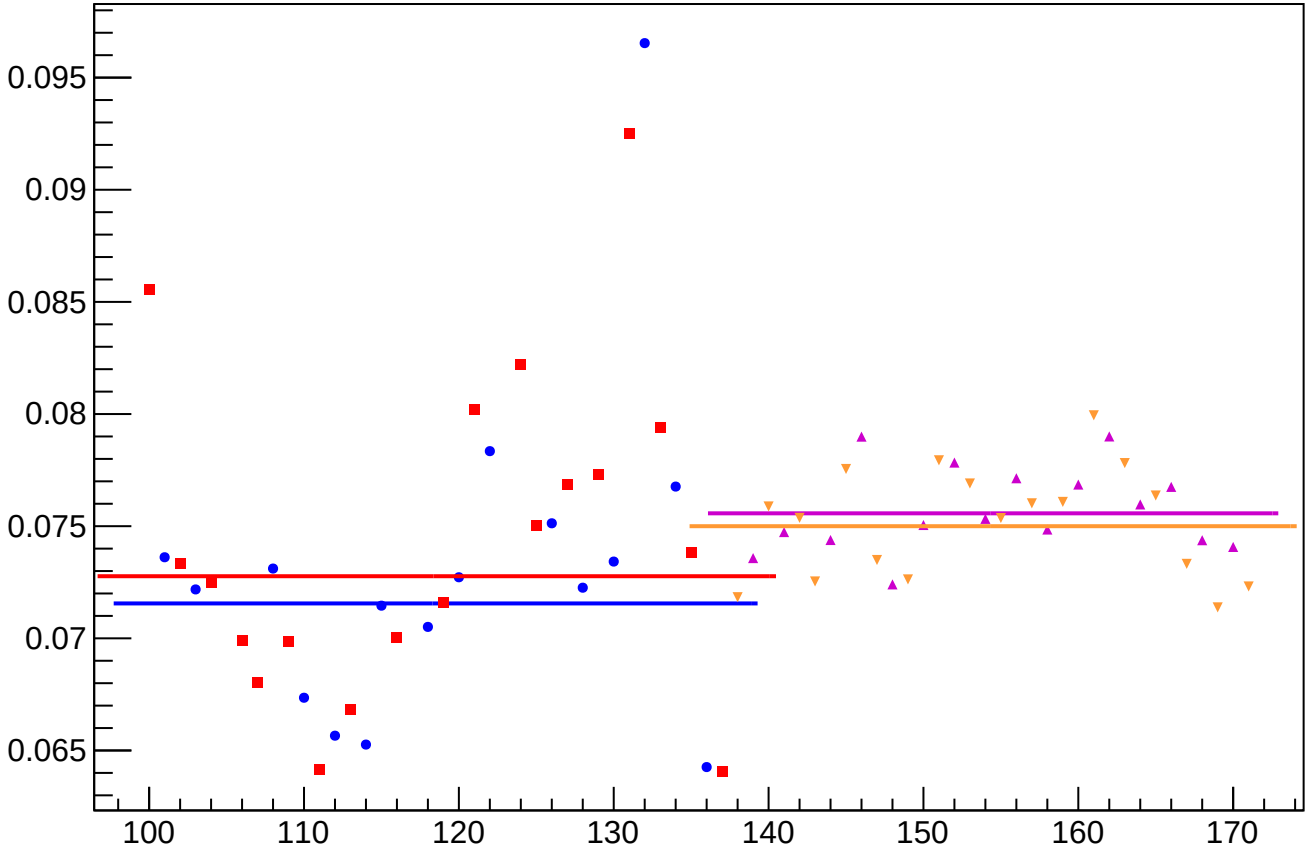
Left In: -0.865+/-0.000 χ^2/NDF:5148890387.0/15

+ sign -0.928+/-0.000 χ^2/NDF: 8903930745.3/33

All: -0.980+/-0.000 χ^2/NDF: 16097860244.6/

- sign -1.036+/-0.000 χ^2/NDF: 7172292595.3/34

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:29278.6/17

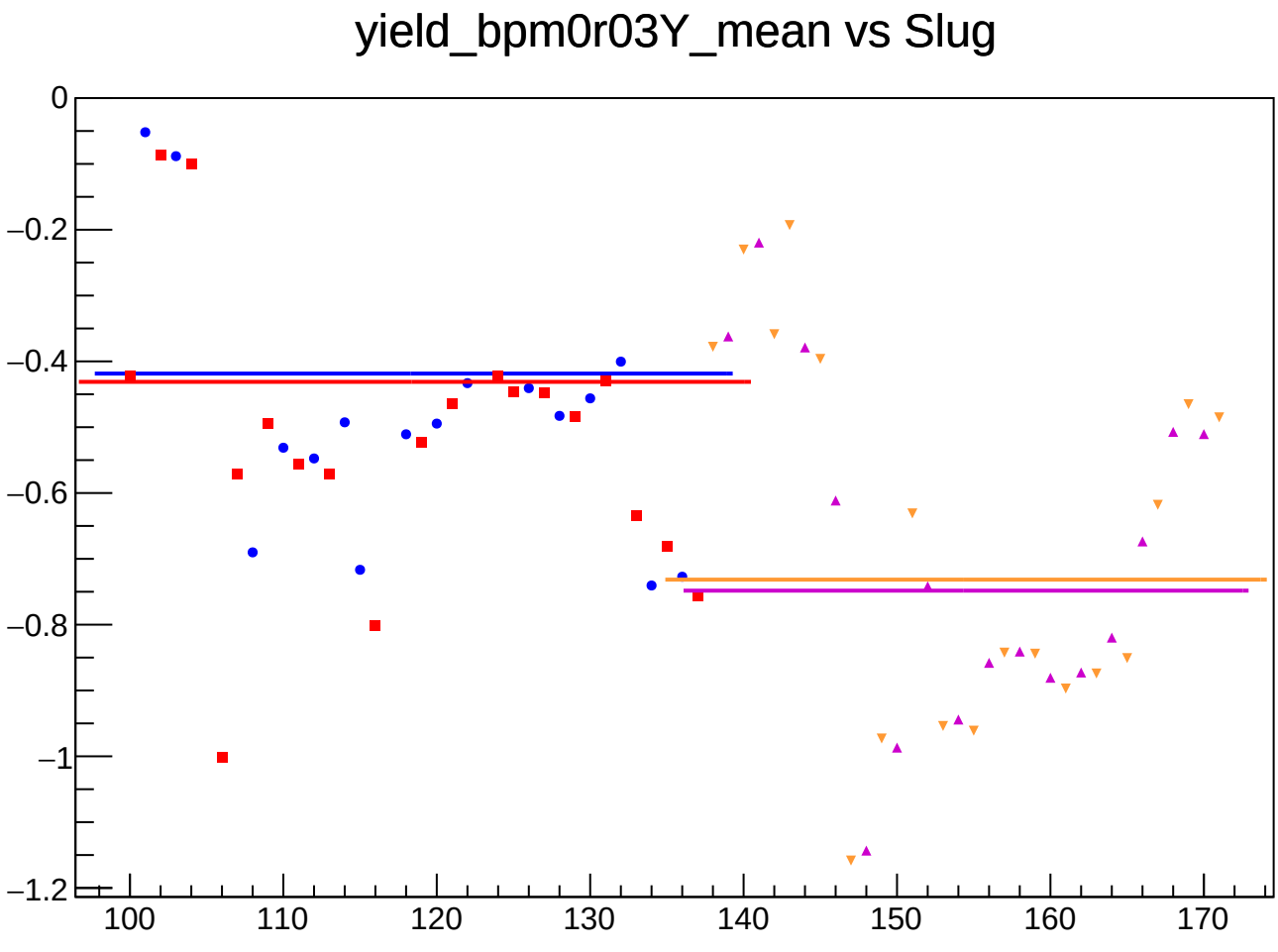
Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:15351.2/15

+ sign 0.074+/-0.000 χ^2/NDF: 151468.0/33

All: 0.074+/-0.000 χ^2/NDF: 279172.3/68

- sign 0.075+/-0.000 χ^2/NDF: 125663.2/34



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.732+/-0.000 χ^2/NDF:18203992623.7/17

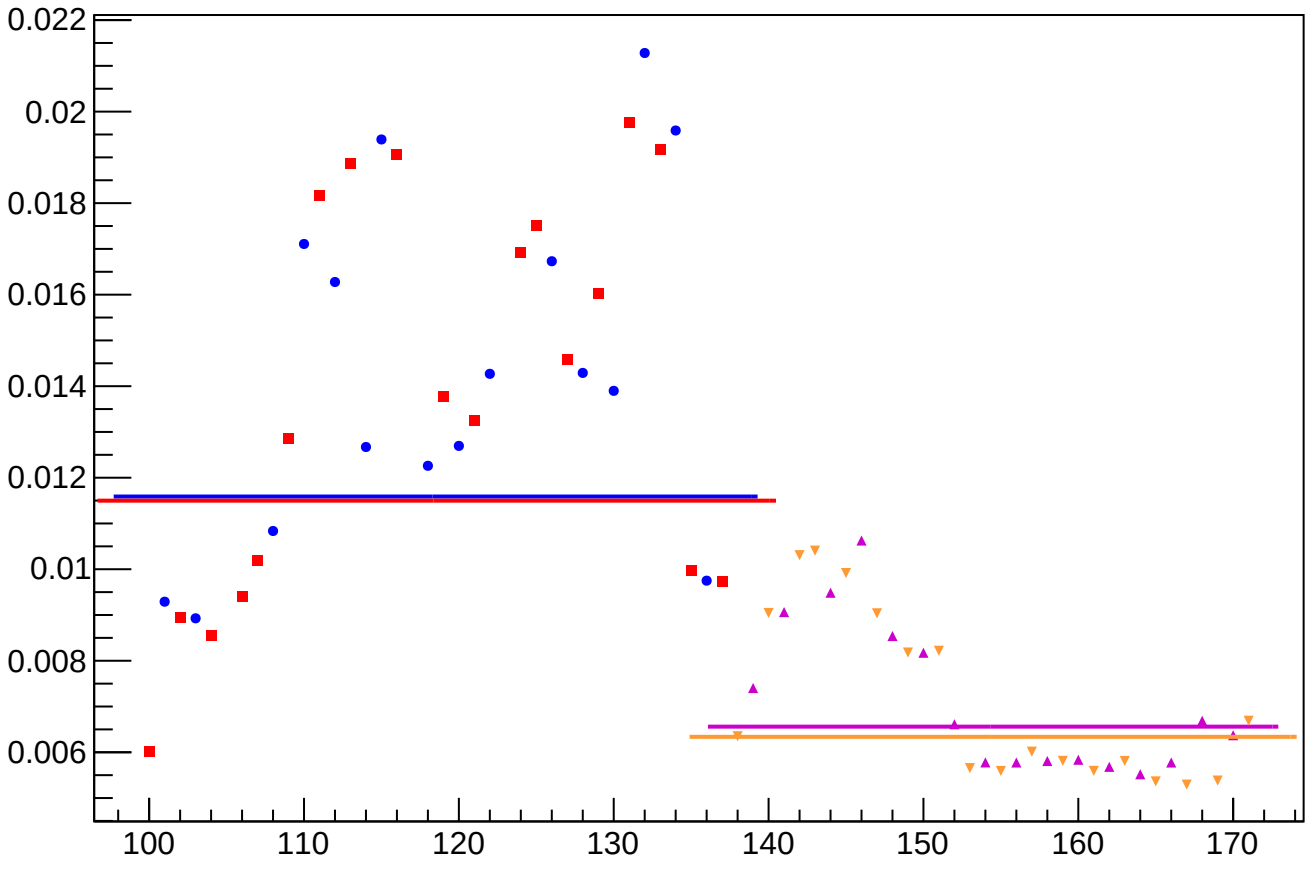
Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.748+/-0.000 χ^2/NDF:13116742896.6/15

+ sign -0.693+/-0.000 χ^2/NDF: 25095041049.8/33

All: -0.698+/-0.000 χ^2/NDF: 45355111829.8/

- sign -0.704+/-0.000 χ^2/NDF: 20242008199.6/34



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1217275.9/17

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

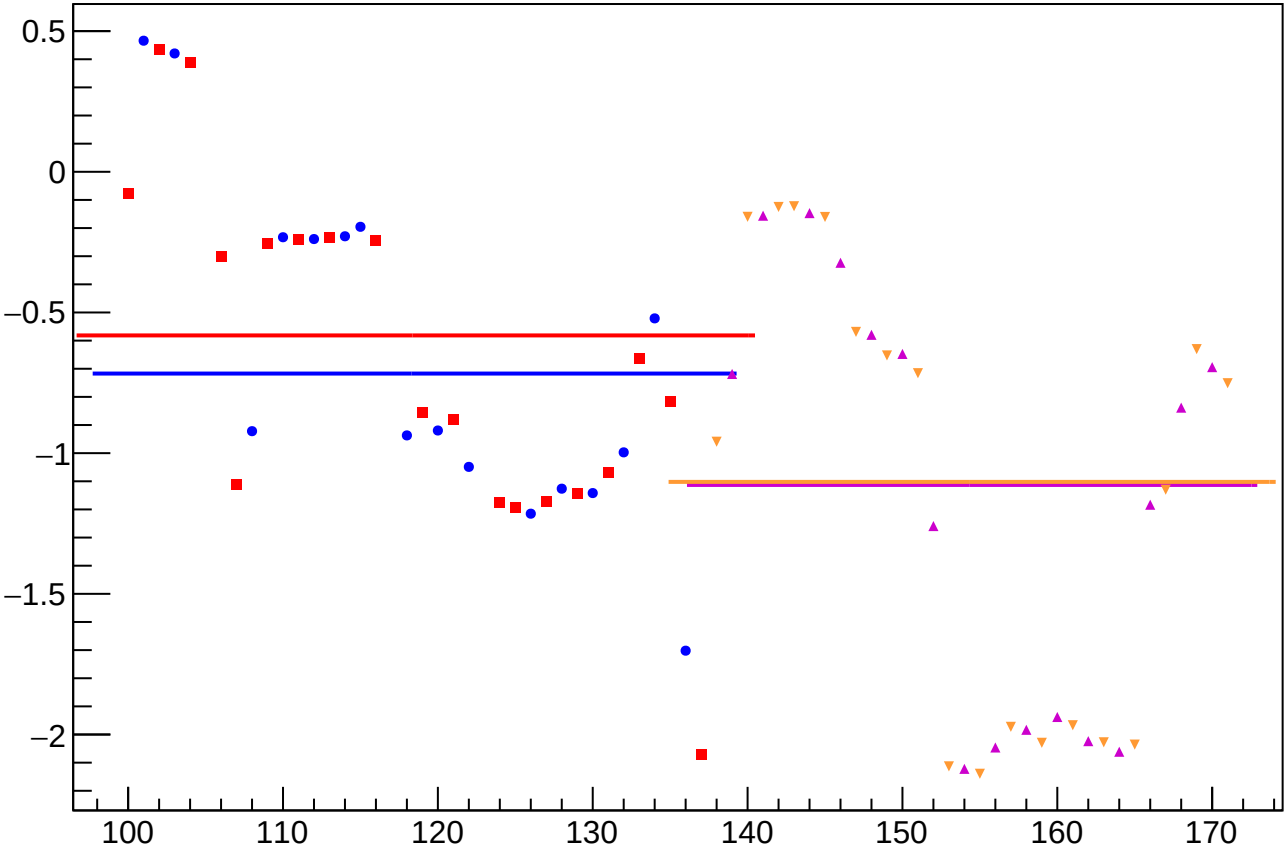
Left In: 0.007+/-0.000 χ^2/NDF:876810.6/15

+ sign 0.007+/-0.000 χ^2/NDF: 4152686.6/33

All: 0.007+/-0.000 χ^2/NDF: 8124679.6/68

- sign 0.007+/-0.000 χ^2/NDF: 3945771.4/34

yield_bpm0r05X_mean vs Slug



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.102+/-0.000 χ^2/NDF:1116347011.1/17

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

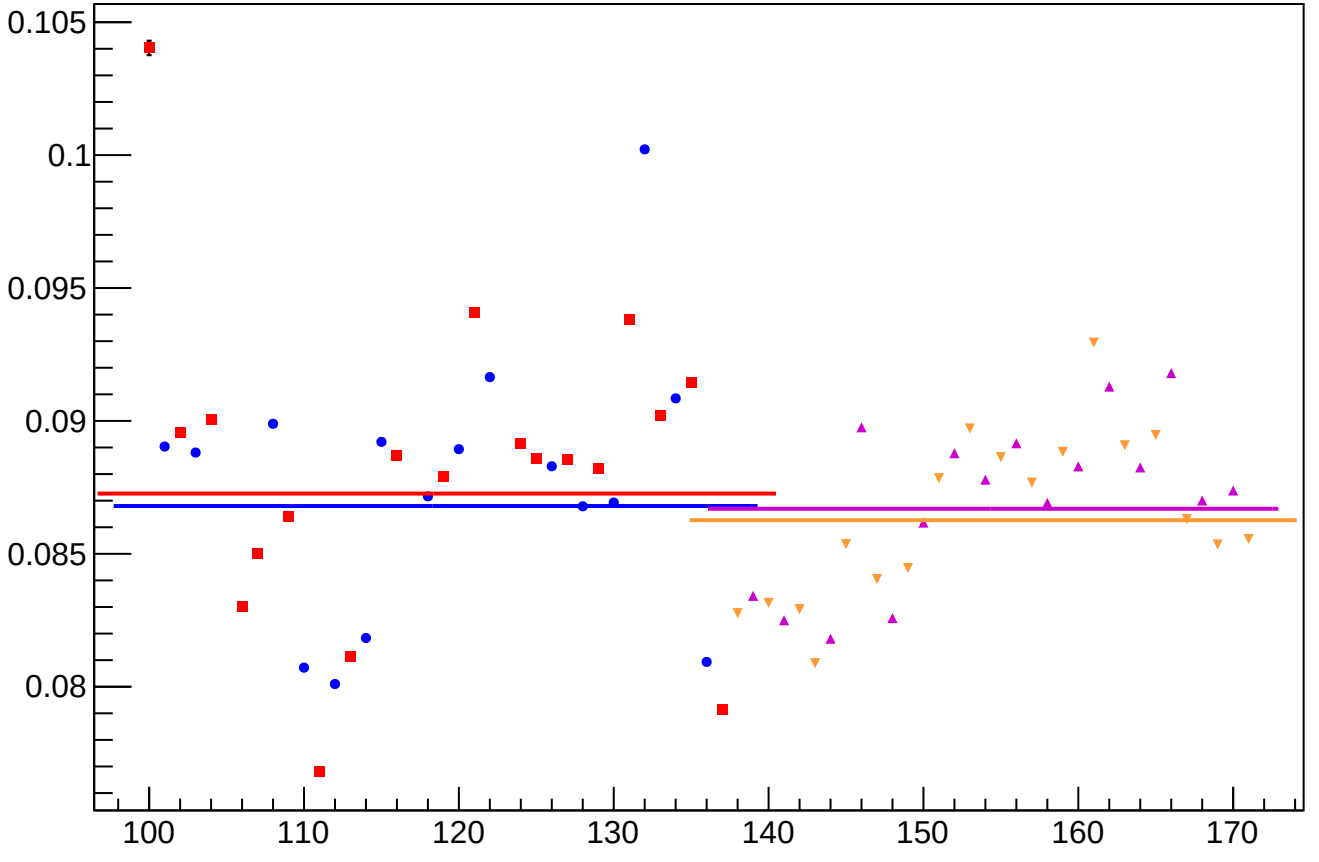
Left In: -1.113+/-0.000 χ^2/NDF:934622130.9/15

+ sign -0.974+/-0.000 χ^2/NDF: 1647820465.4/33

All: -0.948+/-0.000 χ^2/NDF: 3105071847.7/6

- sign -0.922+/-0.000 χ^2/NDF: 1453533591.4/34

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:33688.2/17

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

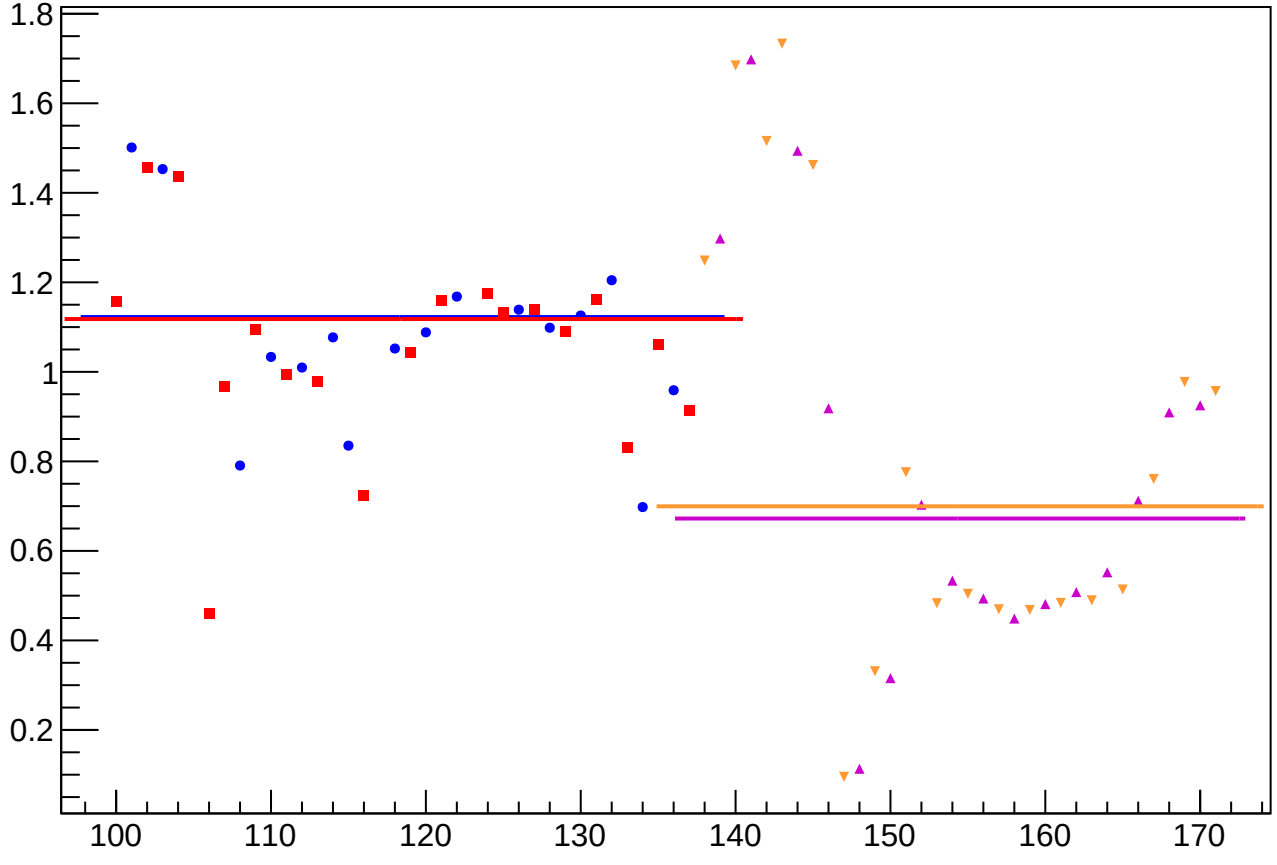
Left In: 0.087+/-0.000 χ^2/NDF:30817.6/15

+ sign 0.086+/-0.000 χ^2/NDF: 77623.8/33

All: 0.087+/-0.000 χ^2/NDF: 155594.6/68

- sign 0.087+/-0.000 χ^2/NDF: 77390.8/34

yield_bpm0r05Y_mean vs Slug



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.700+/-0.000 χ^2/NDF:30486311801.0/17

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

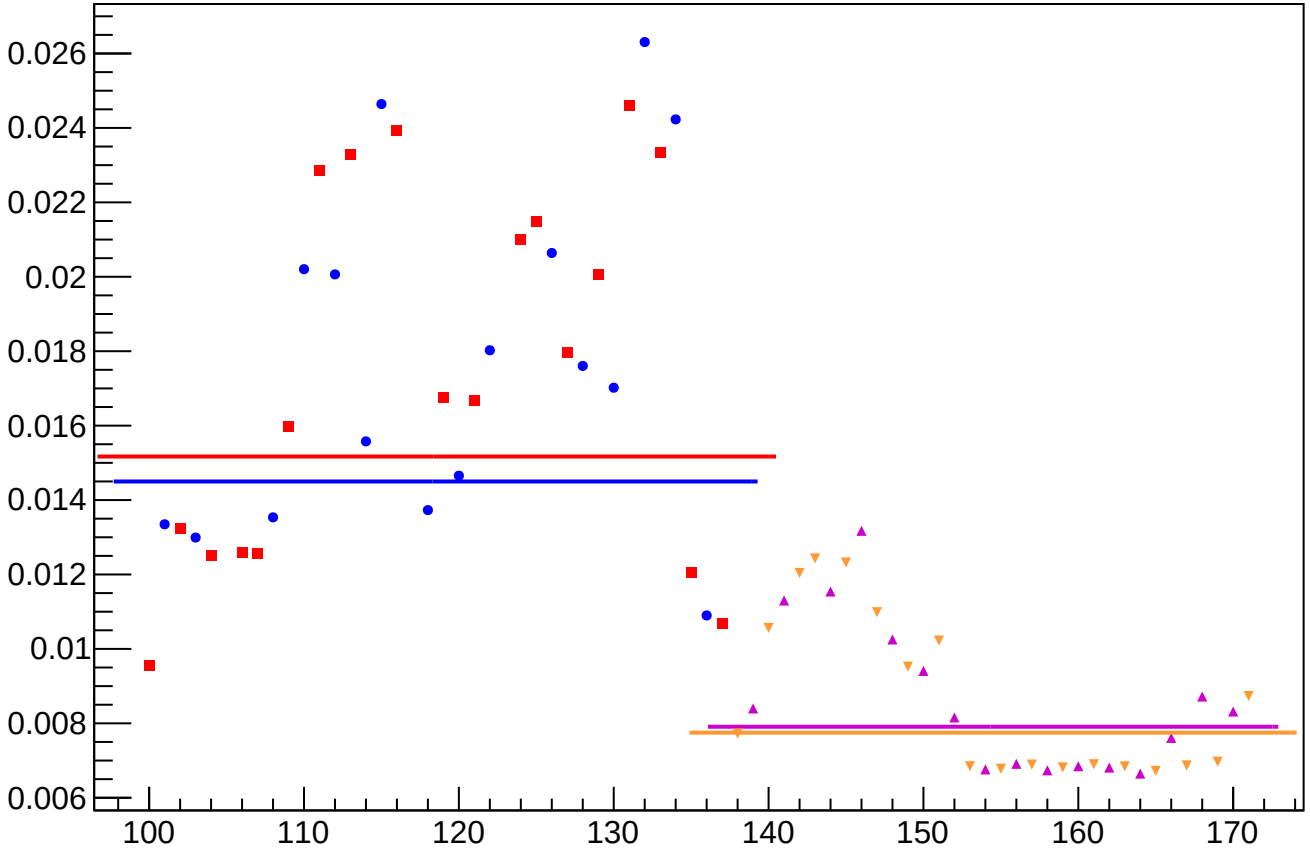
Left In: 0.672+/-0.000 χ^2/NDF:23320206774.2/15

+ sign 0.748+/-0.000 χ^2/NDF: 36430381595.2/33

All: 0.738+/-0.000 χ^2/NDF: 66026926610.2/6

- sign 0.727+/-0.000 χ^2/NDF: 29541114449.6/34

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:1152449.8/17

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

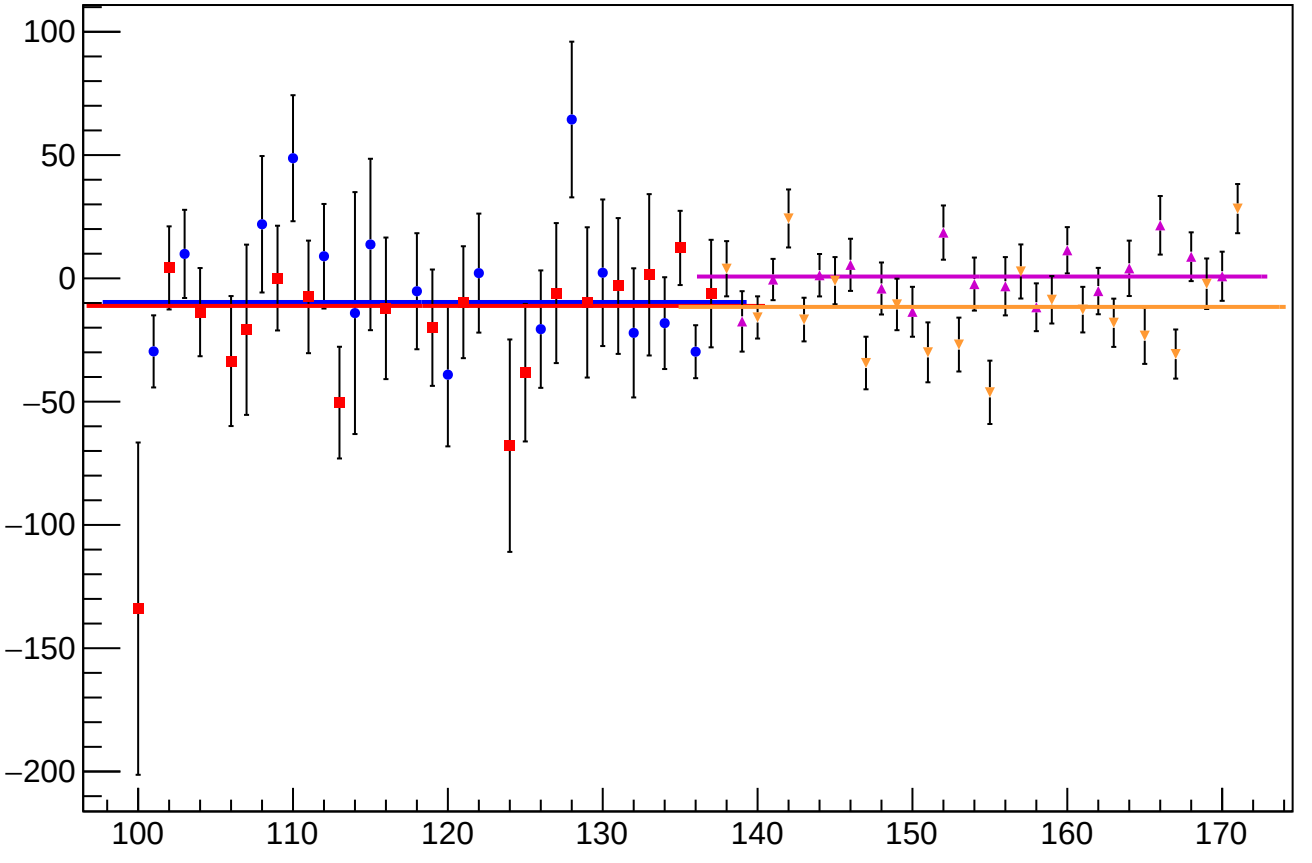
Left In: 0.008+/-0.000 χ^2/NDF:953071.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 4150932.5/33

All: 0.009+/-0.000 χ^2/NDF: 8452916.4/68

- sign 0.009+/-0.000 χ^2/NDF: 4286035.9/34

diff_bpm4aX_mean vs Slug



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.574+/-2.424 χ^2/NDF:52.9/17

Right Out: -11.177+/-5.497 χ^2/NDF: 13.9/18

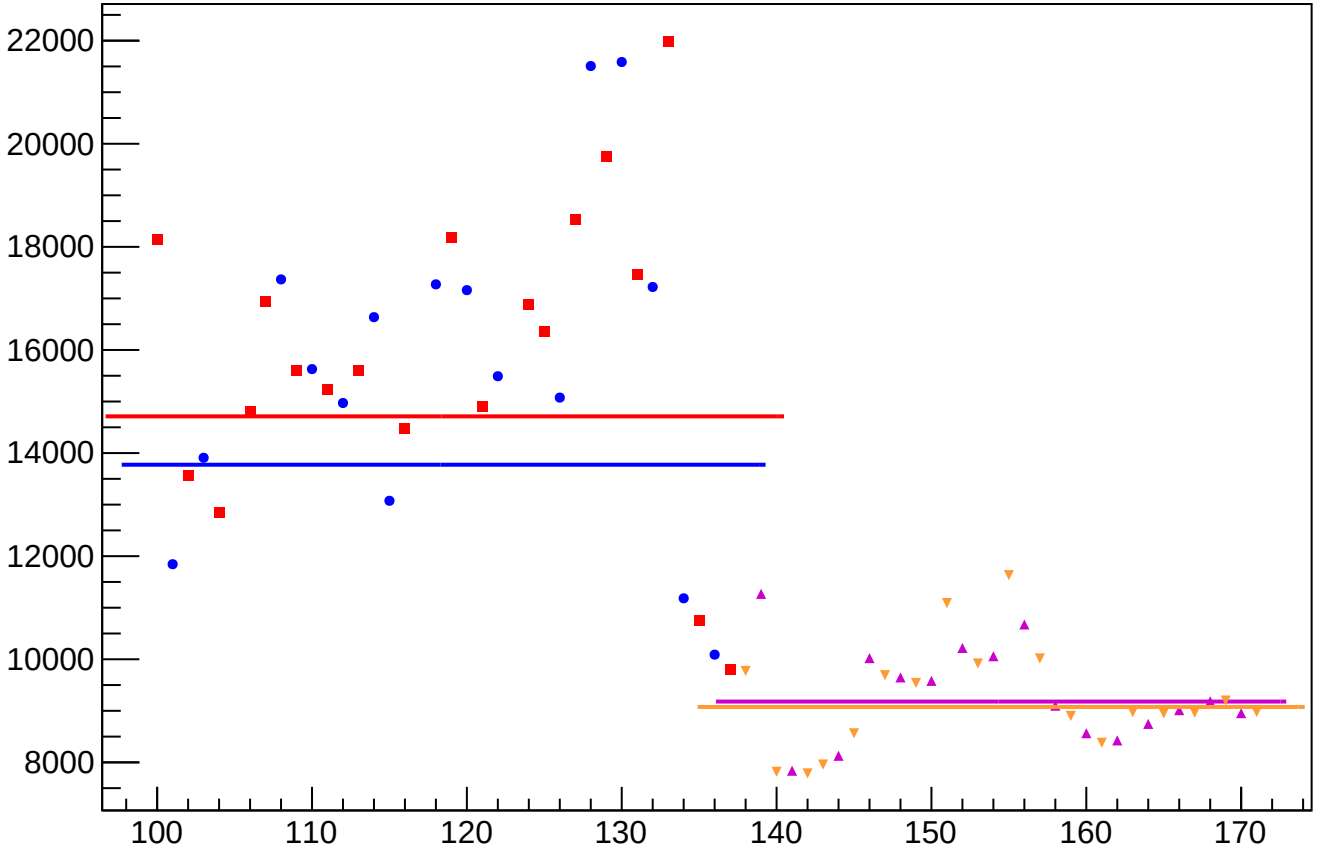
Left In: 0.738+/-2.542 χ^2/NDF:14.6/15

+ sign -11.229+/-2.203 χ^2/NDF: 75.0/33

All: -6.521+/-1.593 χ^2/NDF: 116.8/68

- sign -1.360+/-2.307 χ^2/NDF: 32.3/34

diff_bpm4aX_rms vs Slug



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9075.029+/-1.714 χ^2/NDF:297257.1/17

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

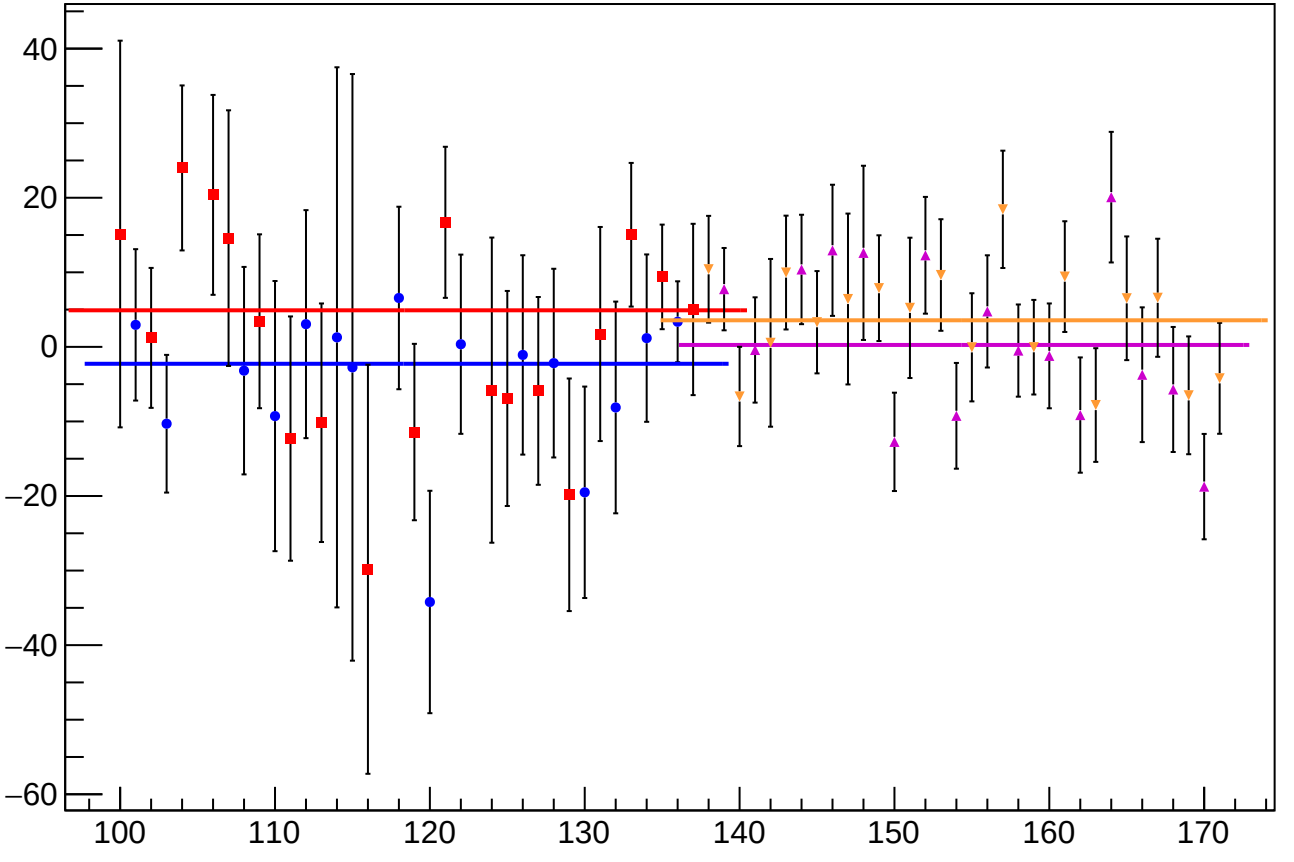
Left In: 9179.642+/-1.797 χ^2/NDF:248404.7/15

+ sign 9890.031+/-1.558 χ^2/NDF: 2348794.5/33

All: 10015.994+/-1.127 χ^2/NDF: 4837235.1/6

- sign 10154.084+/-1.631 χ^2/NDF: 2474738.9/34

diff_bpm4aY_mean vs Slug



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.565+/-1.811 χ^2/NDF:15.2/17

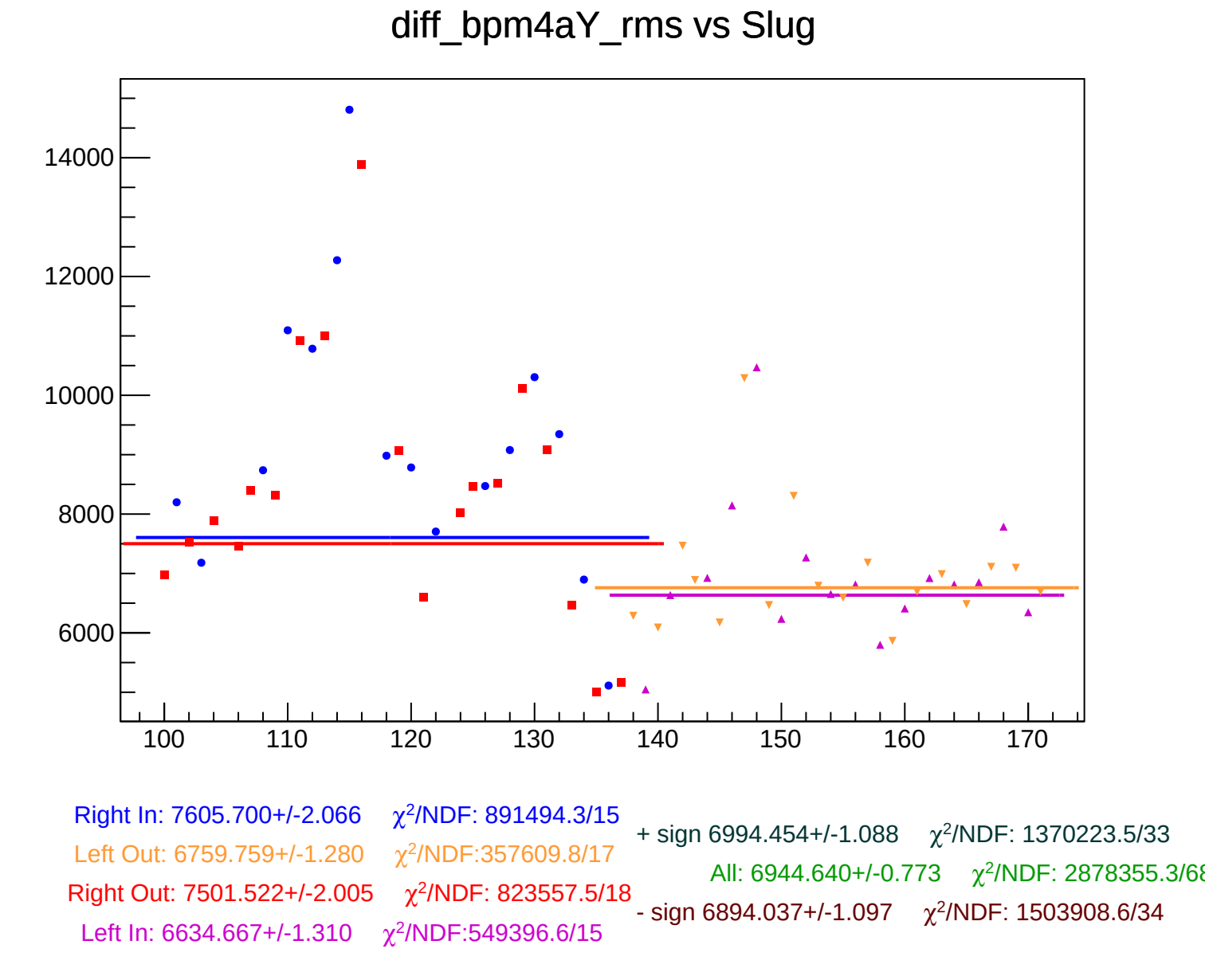
Right Out: 4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.258+/-1.853 χ^2/NDF:29.9/15

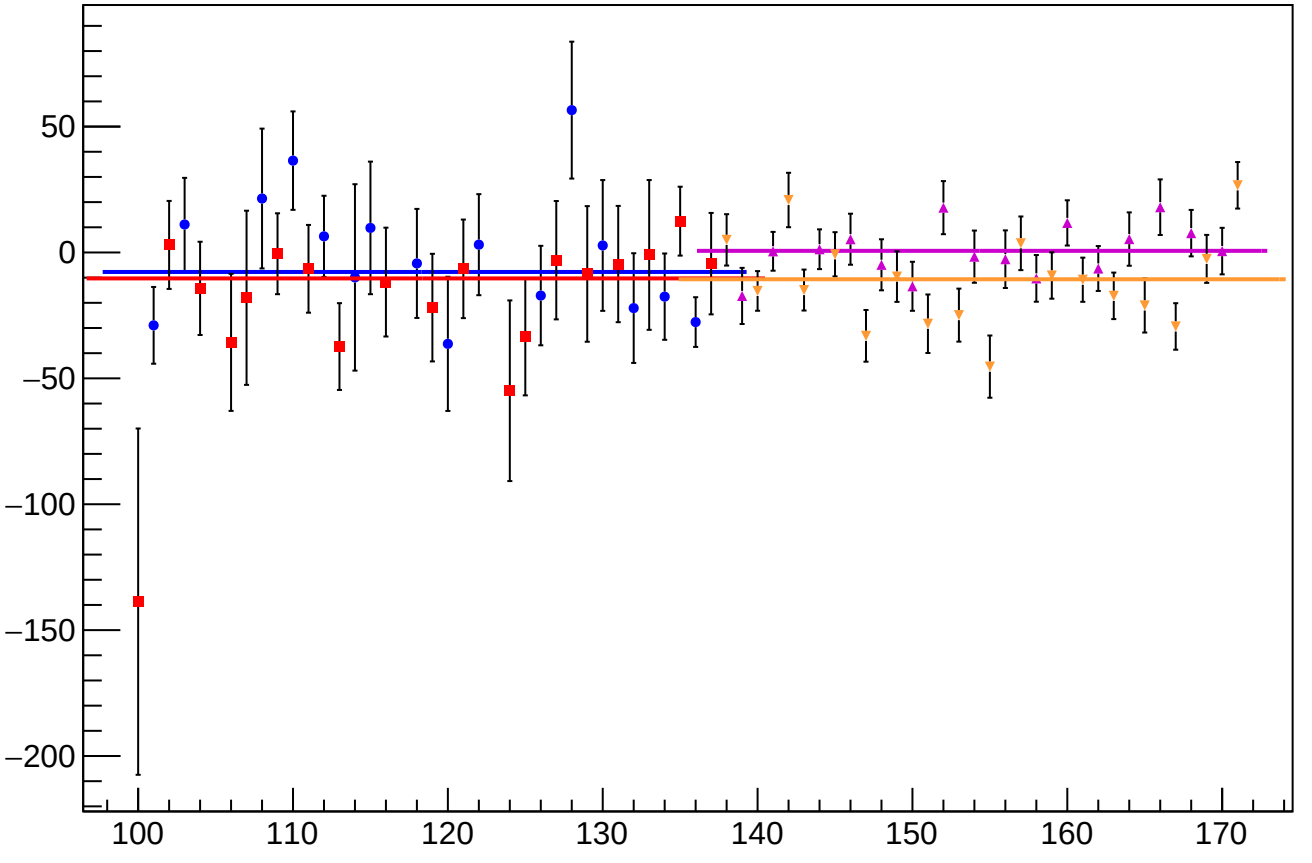
+ sign 1.947+/-1.539 χ^2/NDF: 27.3/33

All: 1.799+/-1.093 χ^2/NDF: 76.7/68

- sign 1.648+/-1.551 χ^2/NDF: 49.4/34


diff_bpm4aY_rms vs Slug
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6759.759+/-1.280 χ²/NDF:357609.8/17
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 6634.667+/-1.310 χ²/NDF:549396.6/15
+ sign 6994.454+/-1.088 χ²/NDF: 1370223.5/33
All: 6944.640+/-0.773 χ²/NDF: 2878355.3/68
- sign 6894.037+/-1.097 χ²/NDF: 1503908.6/34

diff_bpm4eX_mean vs Slug



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.638+/-2.275 χ^2/NDF:54.0/17

Right Out: -10.307+/-4.840 χ^2/NDF: 13.9/18

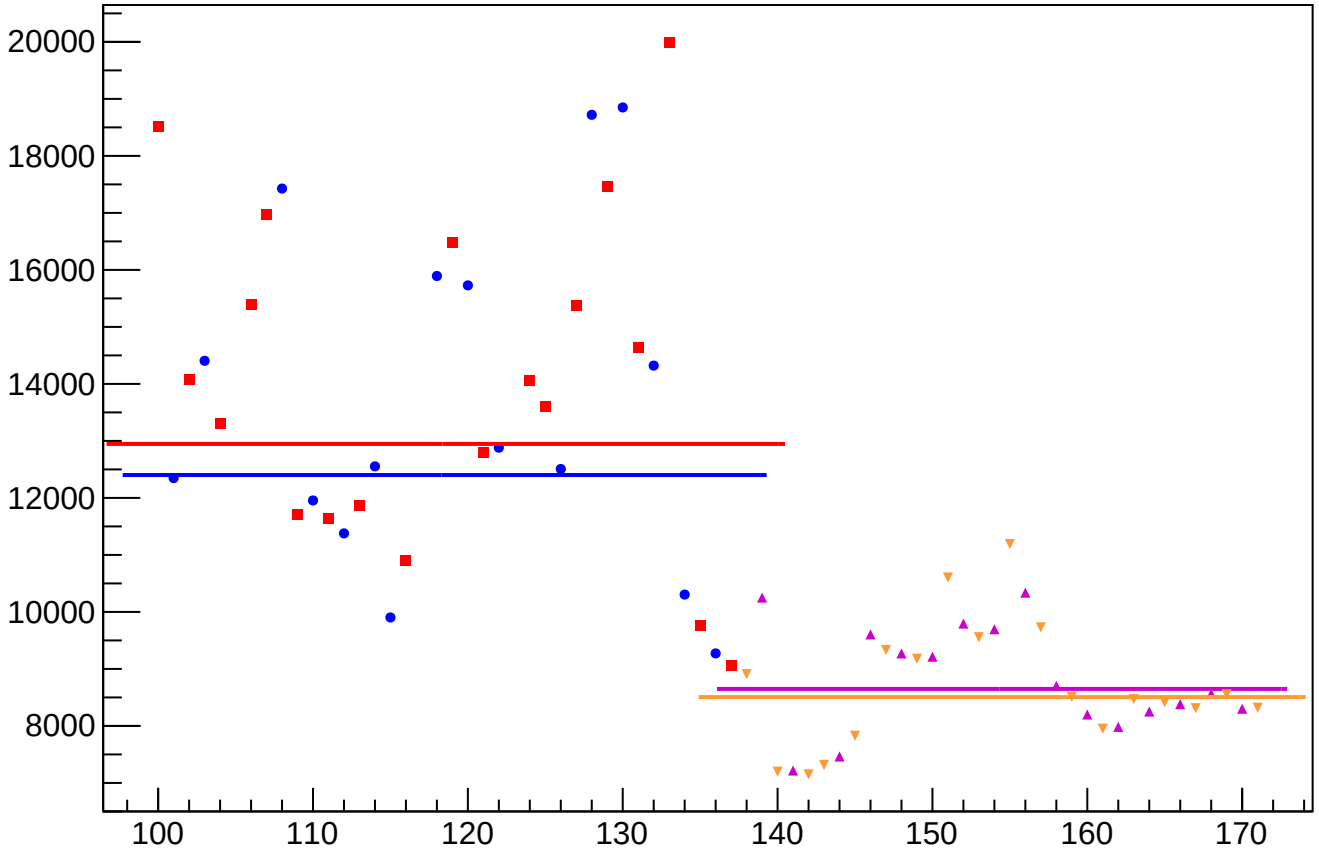
Left In: 0.648+/-2.397 χ^2/NDF:14.7/15

+ sign -10.097+/-2.052 χ^2/NDF: 77.0/33

All: -6.000+/-1.484 χ^2/NDF: 118.1/68

- sign -1.510+/-2.148 χ^2/NDF: 32.8/34

diff_bpm4eX_rms vs Slug



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8505.725+/-1.609 χ^2/NDF:382222.8/17

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

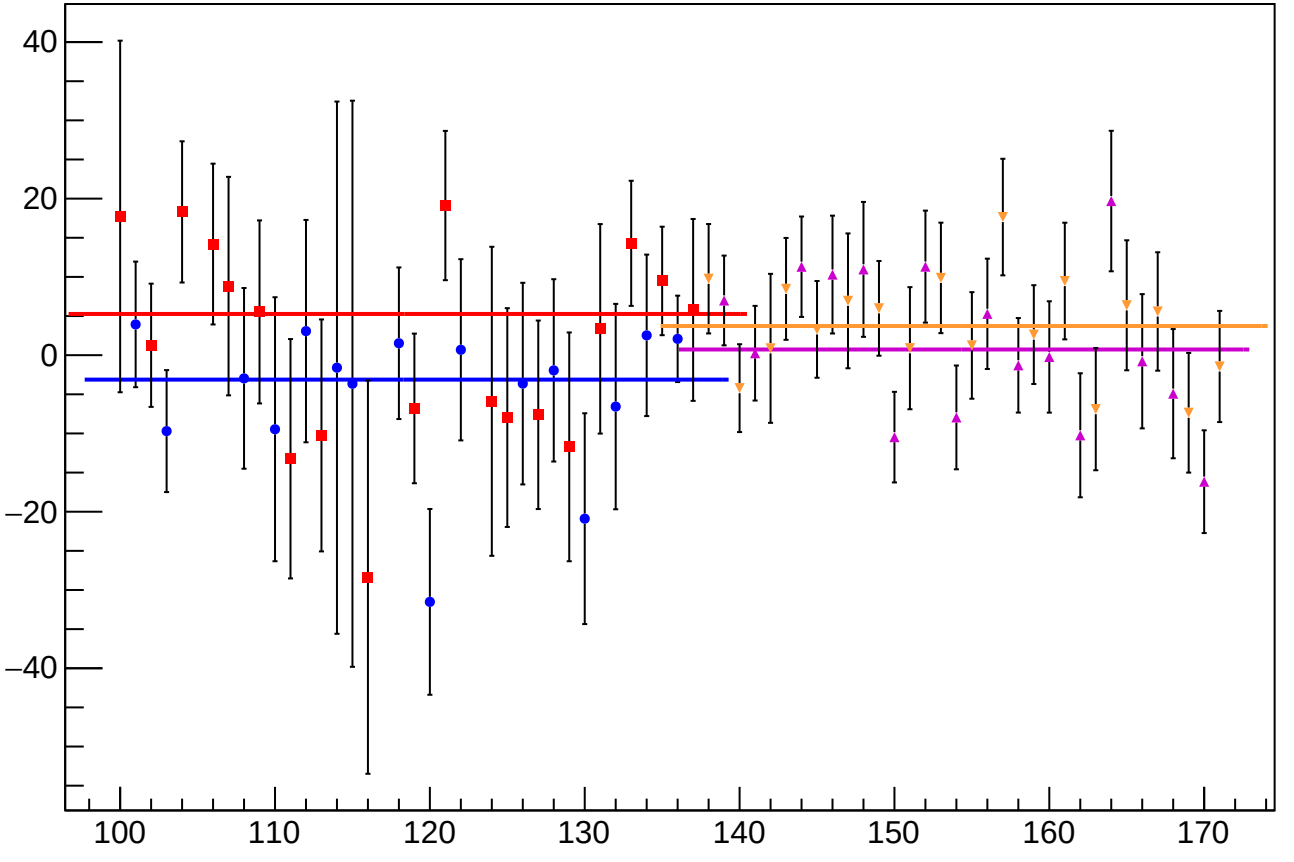
Left In: 8649.407+/-1.695 χ^2/NDF:298275.4/15

+ sign 9233.259+/-1.451 χ^2/NDF: 2155643.8/33

All: 9358.624+/-1.049 χ^2/NDF: 4291299.6/68

- sign 9496.018+/-1.519 χ^2/NDF: 2120007.0/34

diff_bpm4eY_mean vs Slug



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.727+/-1.670 χ^2/NDF:13.4/17

Right Out: 5.265+/-2.553 χ^2/NDF: 16.9/18

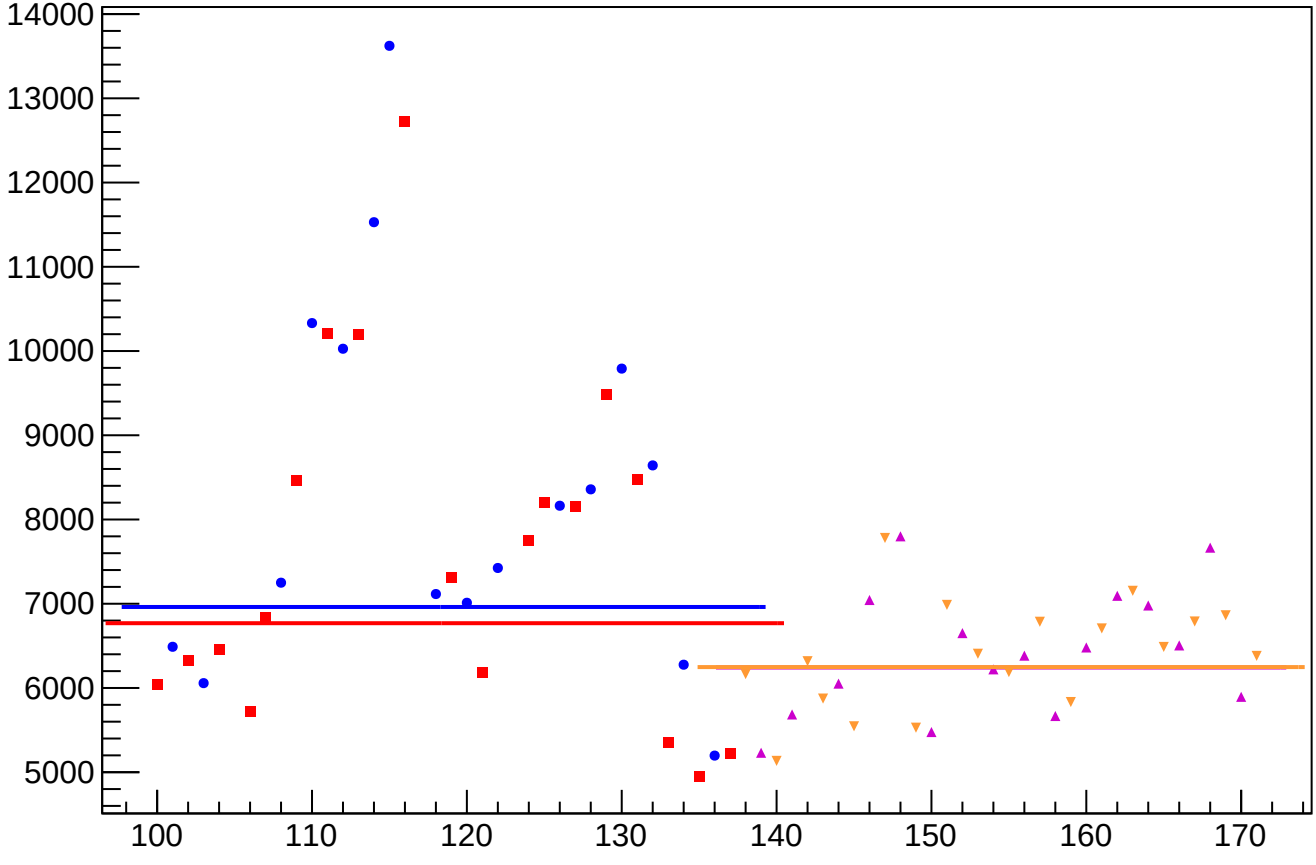
Left In: 0.726+/-1.734 χ^2/NDF:28.6/15

+ sign 1.785+/-1.414 χ^2/NDF: 29.1/33

All: 1.969+/-1.007 χ^2/NDF: 76.8/68

- sign 2.159+/-1.435 χ^2/NDF: 47.7/34

diff_bpm4eY_rms vs Slug



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6247.994+/-1.181 χ^2/NDF:301413.5/17

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

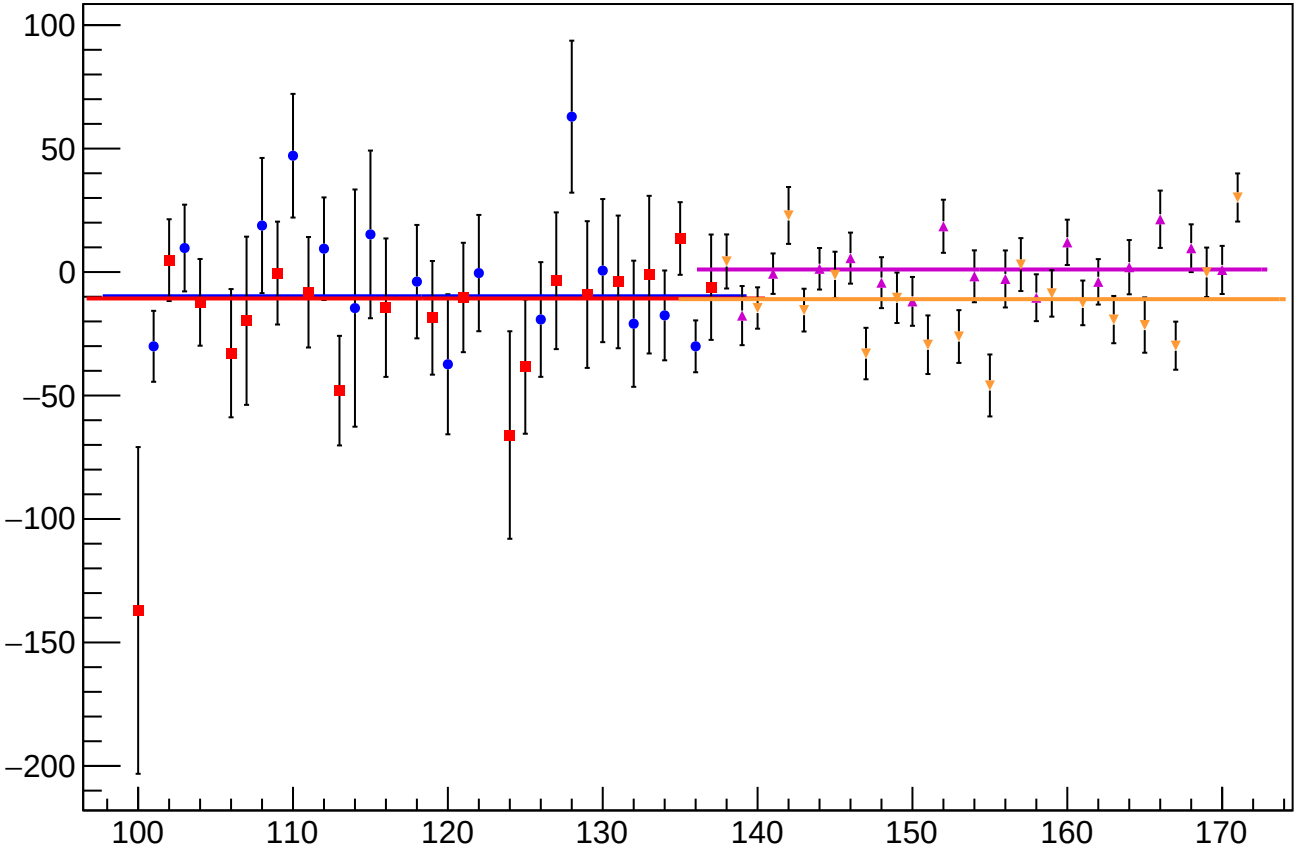
Left In: 6242.734+/-1.226 χ^2/NDF:335270.6/15

+ sign 6450.285+/-1.000 χ^2/NDF: 1101299.5/33

All: 6429.894+/-0.712 χ^2/NDF: 2293665.9/68

- sign 6408.901+/-1.014 χ^2/NDF: 1191522.1/34

diff_bpm4acX_mean vs Slug



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.973+/-2.370 χ^2/NDF:55.0/17

Right Out: -10.703+/-5.381 χ^2/NDF: 14.3/18

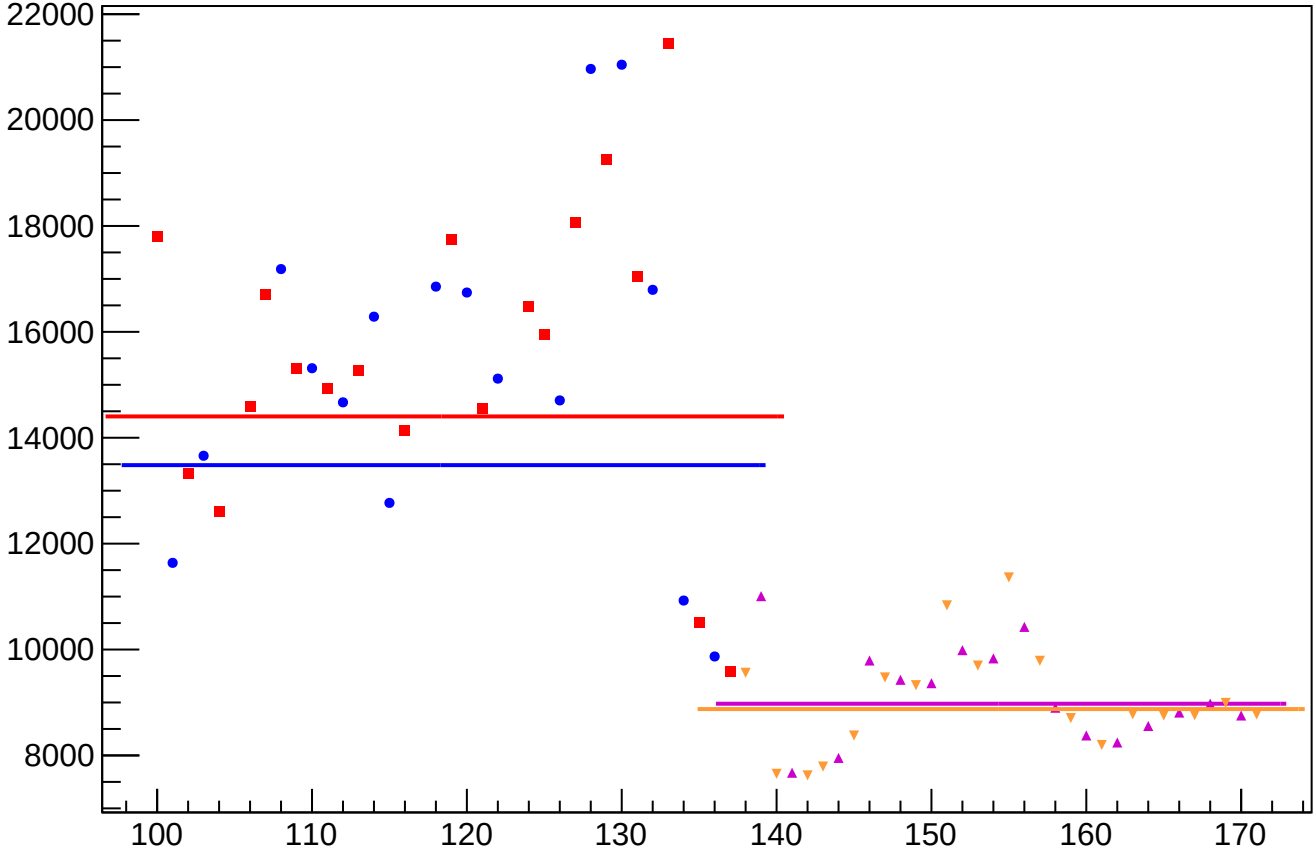
Left In: 1.040+/-2.485 χ^2/NDF:14.5/15

+ sign -10.772+/-2.155 χ^2/NDF: 77.1/33

All: -6.122+/-1.558 χ^2/NDF: 119.6/68

- sign -1.025+/-2.256 χ^2/NDF: 32.8/34

diff_bpm4acX_rms vs Slug



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8875.325+/-1.676 χ^2/NDF:294091.2/17

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

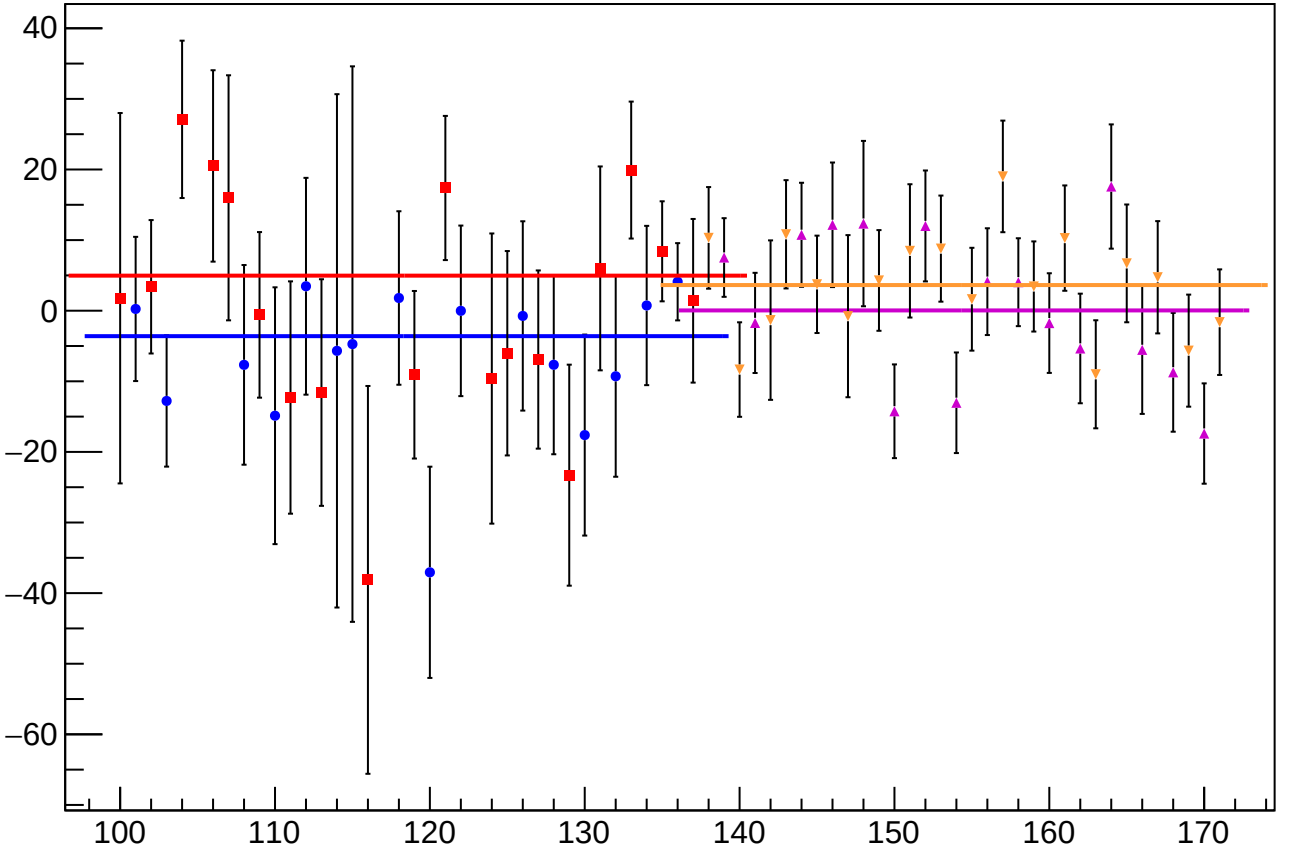
Left In: 8976.455+/-1.757 χ^2/NDF:245452.1/15

+ sign 9673.386+/-1.524 χ^2/NDF: 2347078.2/33

All: 9796.071+/-1.102 χ^2/NDF: 4834964.2/68

- sign 9930.545+/-1.595 χ^2/NDF: 2474299.1/34

diff_bpm4acY_mean vs Slug



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.632+/-1.819 χ^2/NDF:15.4/17

Right Out: 4.965+/-2.855 χ^2/NDF: 21.4/18

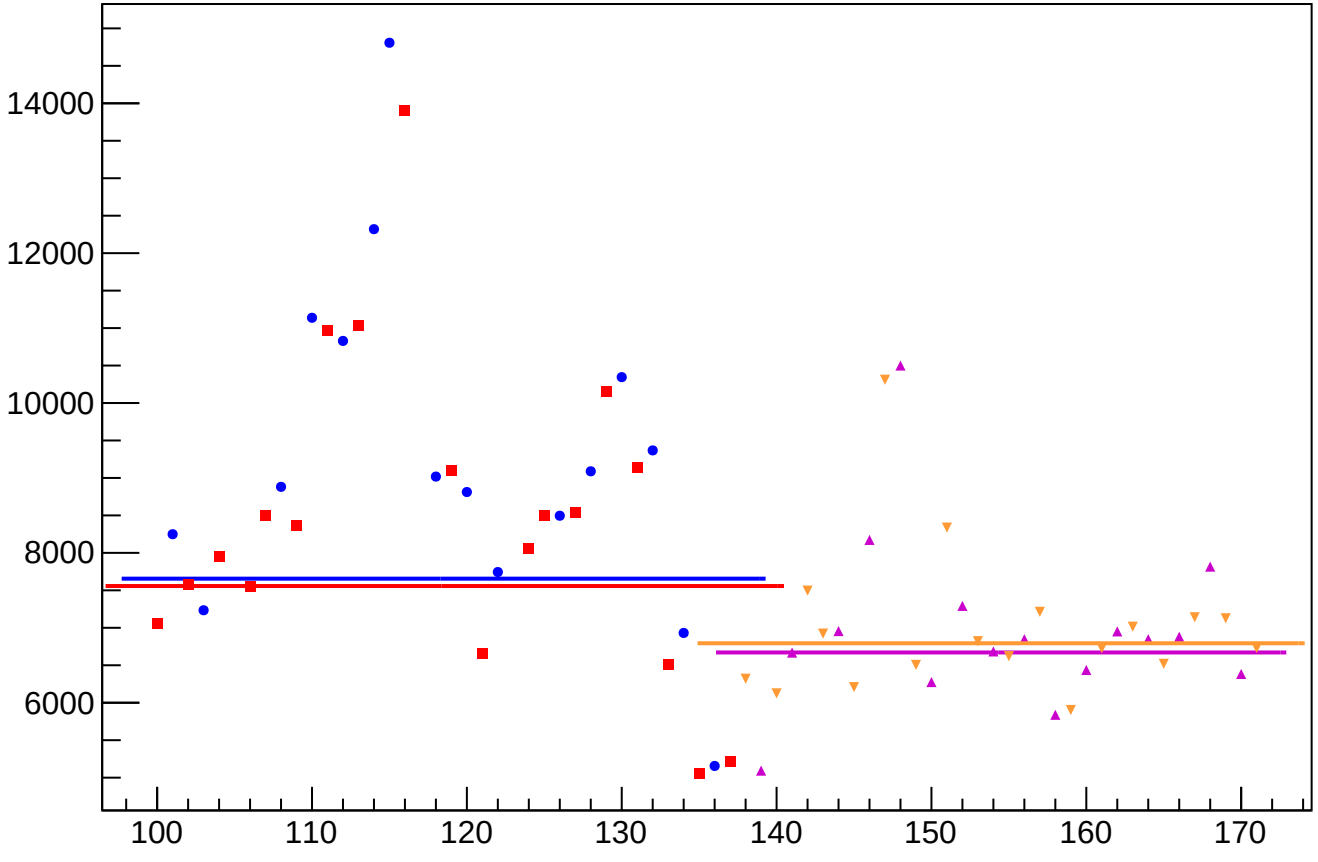
Left In: 0.040+/-1.863 χ^2/NDF:30.0/15

+ sign 1.628+/-1.547 χ^2/NDF: 30.3/33

All: 1.569+/-1.099 χ^2/NDF: 83.8/68

- sign 1.510+/-1.560 χ^2/NDF: 53.5/34

diff_bpm4acY_rms vs Slug



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6793.633+/-1.287 χ^2/NDF:352955.9/17

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

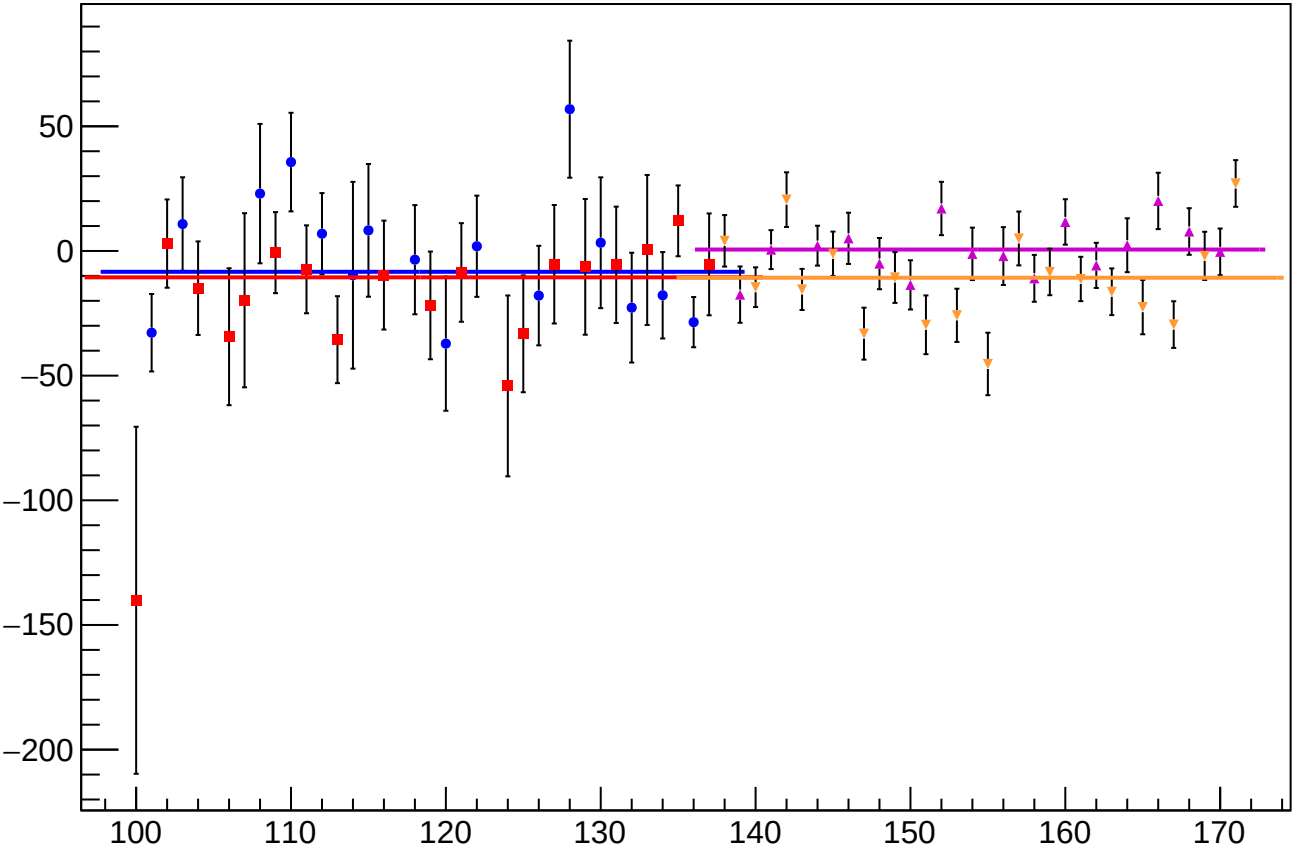
Left In: 6670.804+/-1.317 χ^2/NDF:538688.5/15

+ sign 7032.400+/-1.094 χ^2/NDF: 1357111.3/33

All: 6984.344+/-0.777 χ^2/NDF: 2844841.3/68

- sign 6935.480+/-1.103 χ^2/NDF: 1483838.2/34

diff_bpm4ecX_mean vs Slug



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.731+/-2.305 χ^2/NDF:53.7/17

Right Out: -10.573+/-4.911 χ^2/NDF: 12.9/18

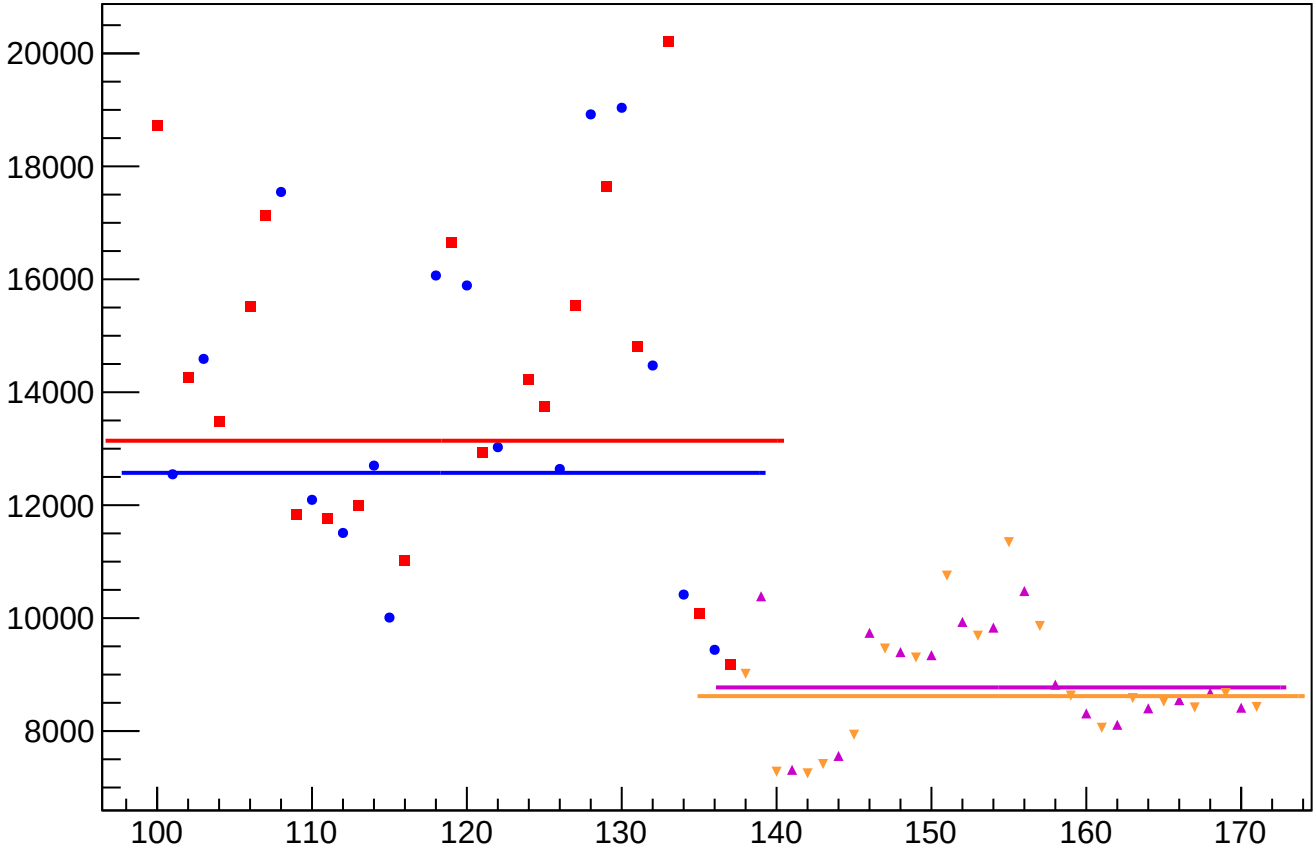
Left In: 0.571+/-2.432 χ^2/NDF:14.7/15

+ sign -10.287+/-2.079 χ^2/NDF: 77.1/33

All: -6.159+/-1.504 χ^2/NDF: 117.1/68

- sign -1.623+/-2.179 χ^2/NDF: 31.7/34

diff_bpm4ecX_rms vs Slug



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8618.239+/-1.630 χ^2/NDF:383813.4/17

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

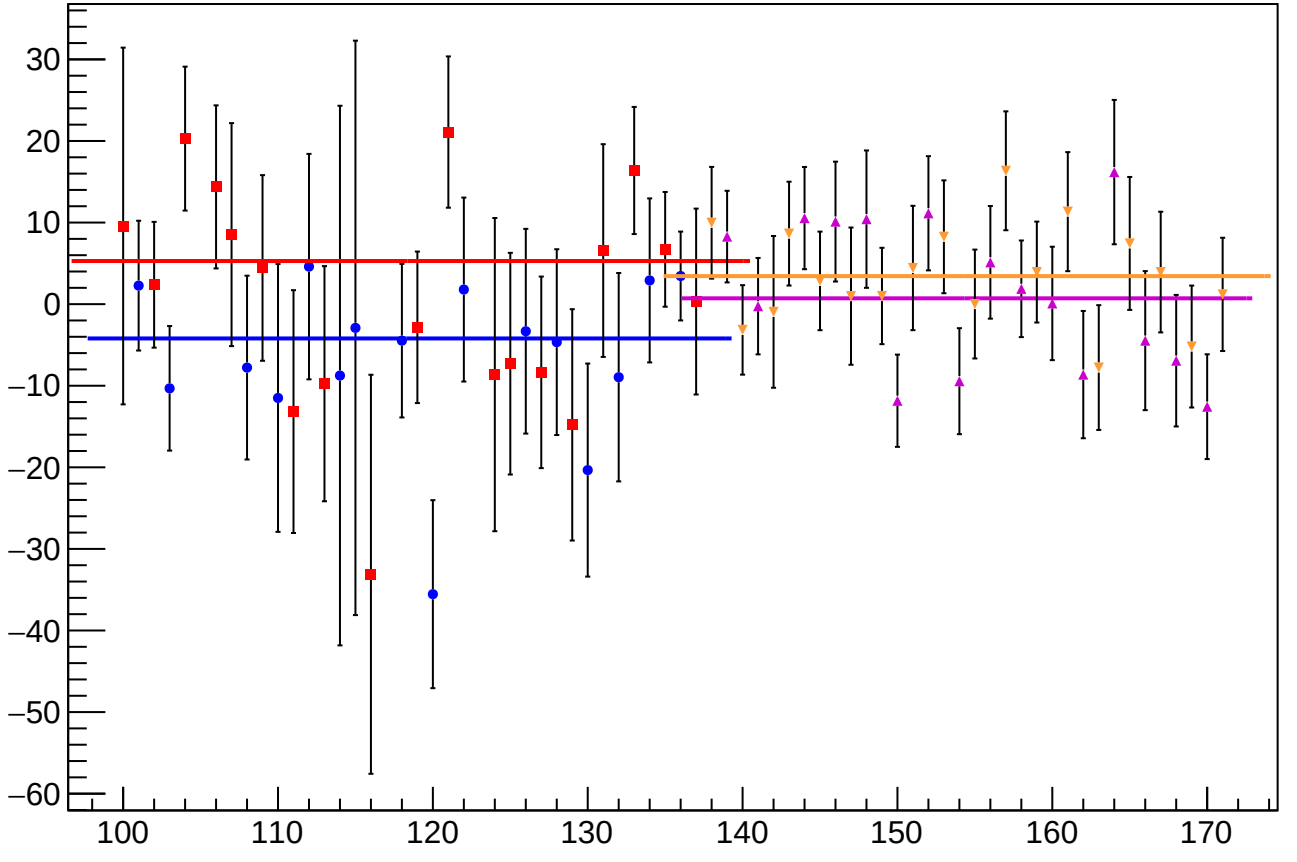
Left In: 8772.848+/-1.720 χ^2/NDF:297702.1/15

+ sign 9356.009+/-1.470 χ^2/NDF: 2146663.3/33

All: 9488.043+/-1.064 χ^2/NDF: 4266899.3/68

- sign 9633.083+/-1.541 χ^2/NDF: 2103312.2/34

diff_bpm4ecY_mean vs Slug



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.435+/-1.634 χ^2/NDF:12.4/17

Right Out: 5.288+/-2.502 χ^2/NDF: 19.7/18

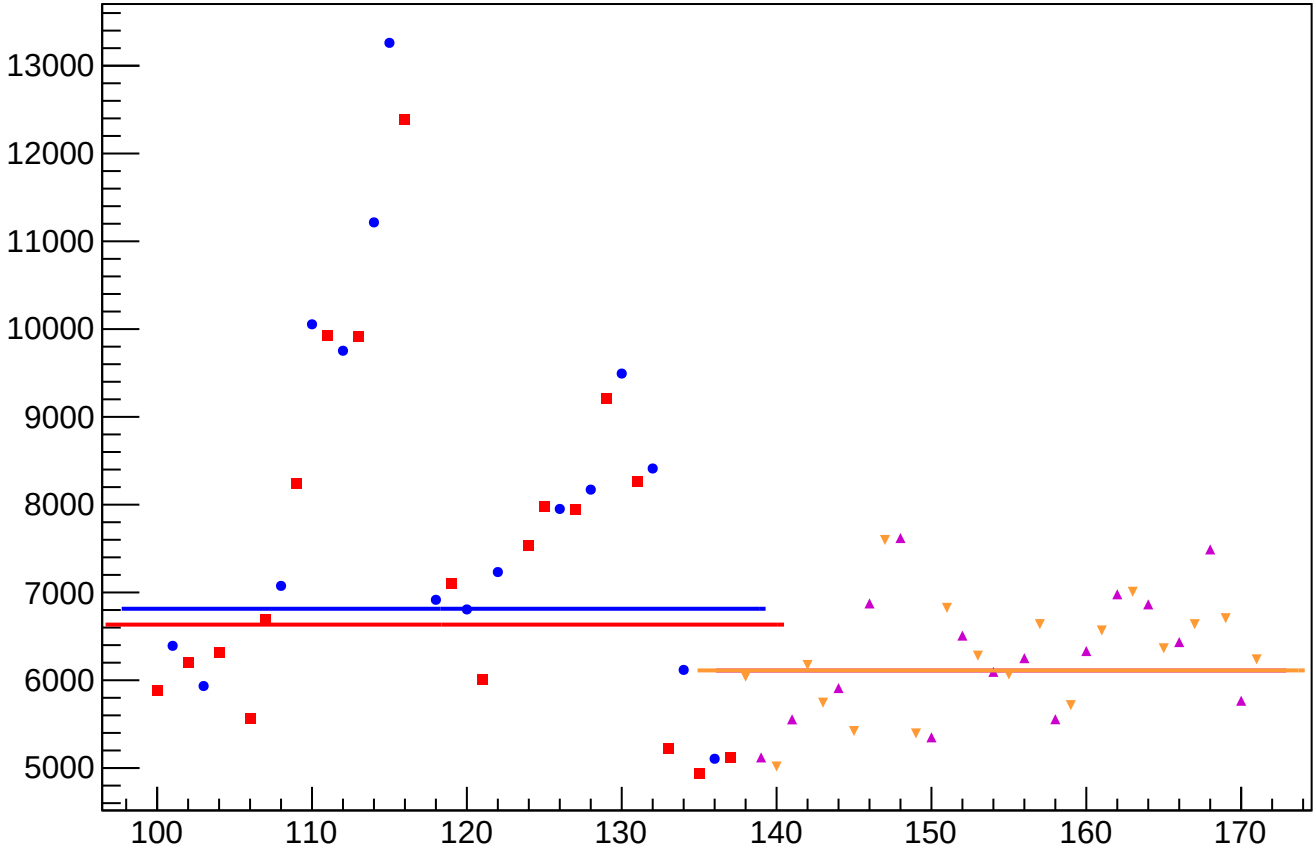
Left In: 0.713+/-1.698 χ^2/NDF:27.4/15

+ sign 1.273+/-1.384 χ^2/NDF: 32.5/33

All: 1.708+/-0.986 χ^2/NDF: 82.1/68

- sign 2.156+/-1.405 χ^2/NDF: 49.4/34

diff_bpm4ecY_rms vs Slug



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6112.012+/-1.155 χ^2/NDF:302844.5/17

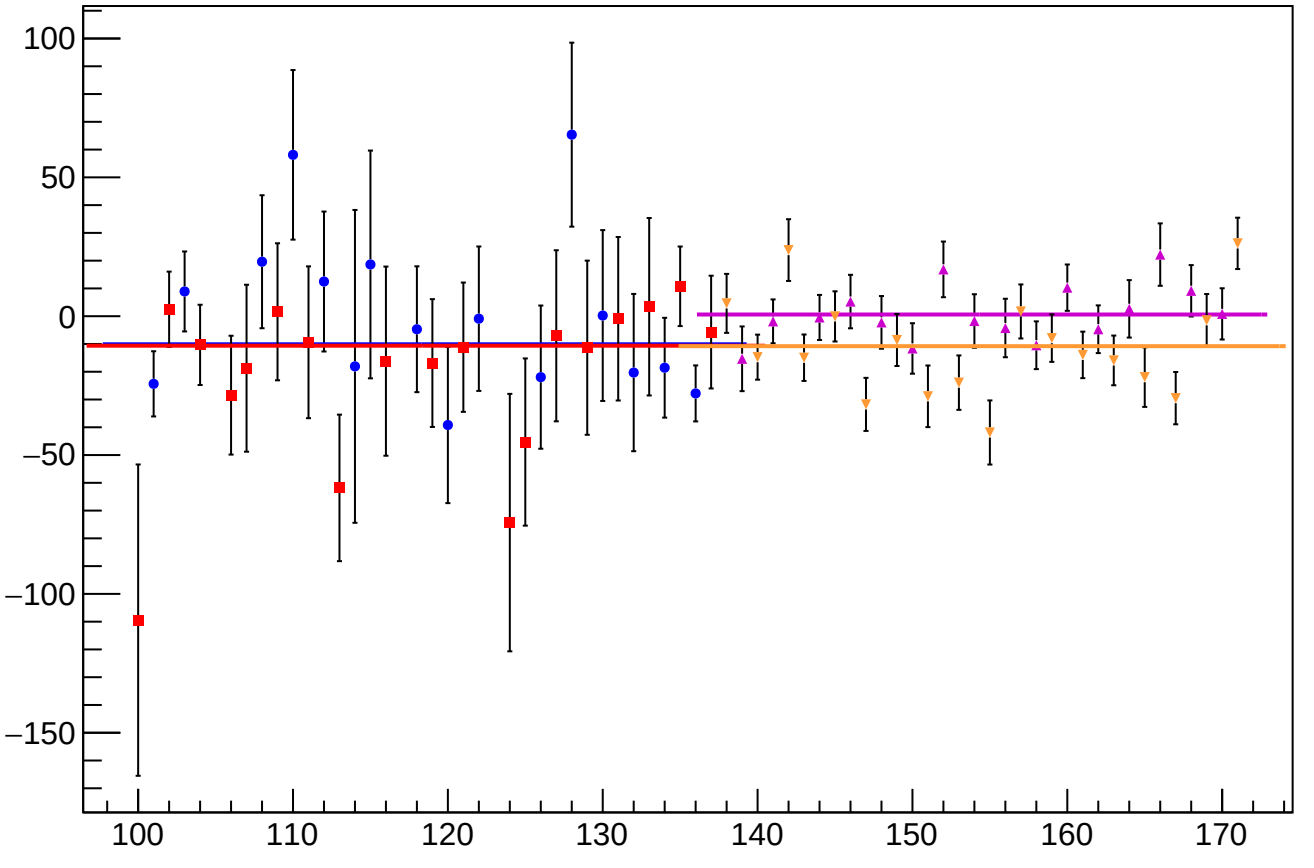
Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6110.751+/-1.201 χ^2/NDF:337401.4/15

+ sign 6310.821+/-0.978 χ^2/NDF: 1081514.7/33

All: 6293.531+/-0.697 χ^2/NDF: 2242710.2/68

- sign 6275.697+/-0.994 χ^2/NDF: 1160561.0/34



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.793+/-2.231 χ^2/NDF:54.5/17

Right Out: -10.624+/-5.277 χ^2/NDF: 14.7/18

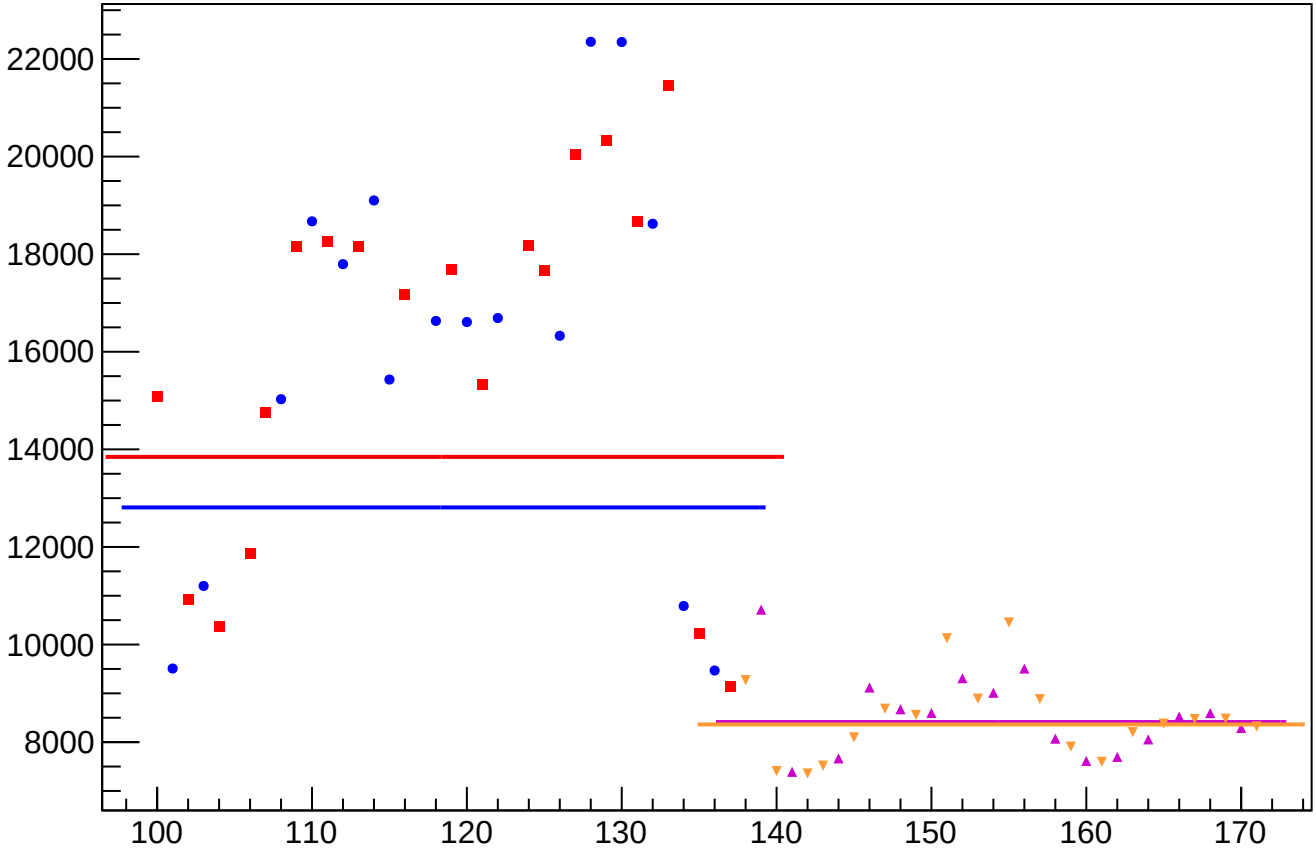
Left In: 0.609+/-2.328 χ^2/NDF:15.0/15

+ sign -10.681+/-2.038 χ^2/NDF: 75.8/33

All: -6.159+/-1.473 χ^2/NDF: 119.6/68

- sign -1.222+/-2.130 χ^2/NDF: 33.5/34

diff_bpm1X_rms vs Slug



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8362.768+/-1.577 χ^2/NDF:235349.8/17

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

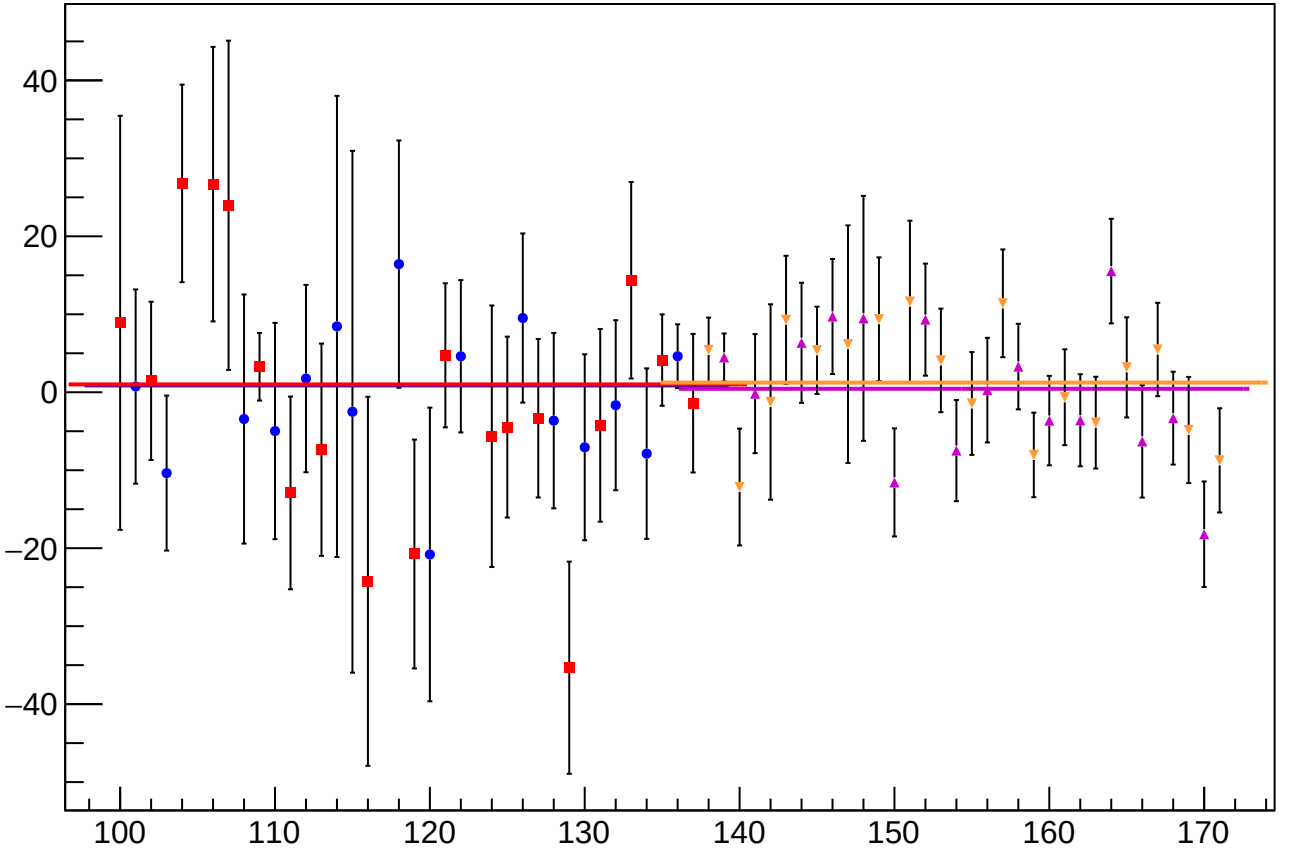
Left In: 8411.668+/-1.646 χ^2/NDF:225912.1/15

+ sign 9096.764+/-1.441 χ^2/NDF: 2795611.6/33

All: 9192.572+/-1.041 χ^2/NDF: 5902678.2/68

- sign 9297.208+/-1.506 χ^2/NDF: 3097821.9/34

diff_bpm1Y_mean vs Slug



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.240+/-1.561 χ^2/NDF:17.8/17

Right Out: 1.006+/-2.314 χ^2/NDF: 22.3/18

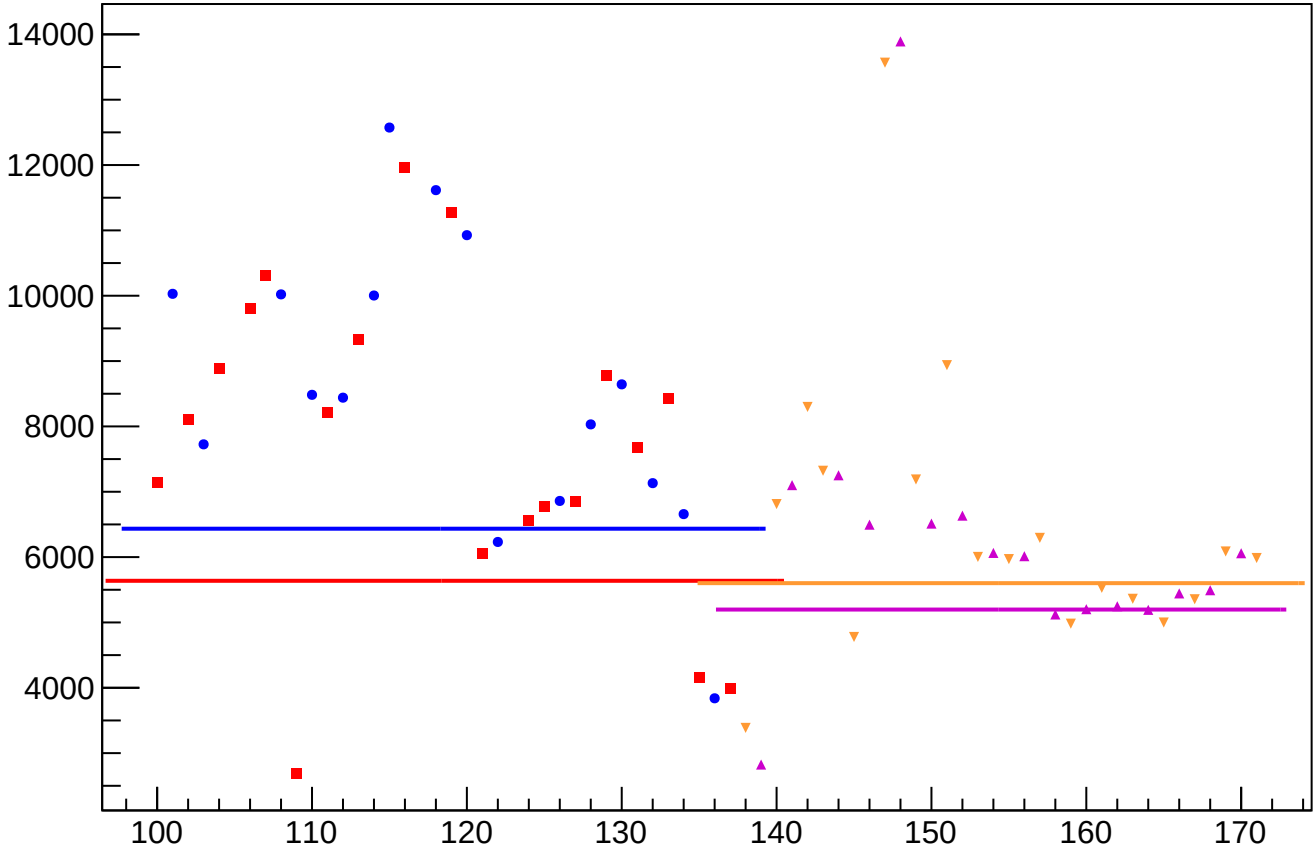
Left In: 0.443+/-1.521 χ^2/NDF:25.4/15

+ sign 1.143+/-1.334 χ^2/NDF: 24.7/33

All: 0.865+/-0.920 χ^2/NDF: 72.5/68

- sign 0.613+/-1.271 χ^2/NDF: 47.8/34

diff_bpm1Y_rms vs Slug



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5601.263+/-1.104 χ^2/NDF:1779260.5/17

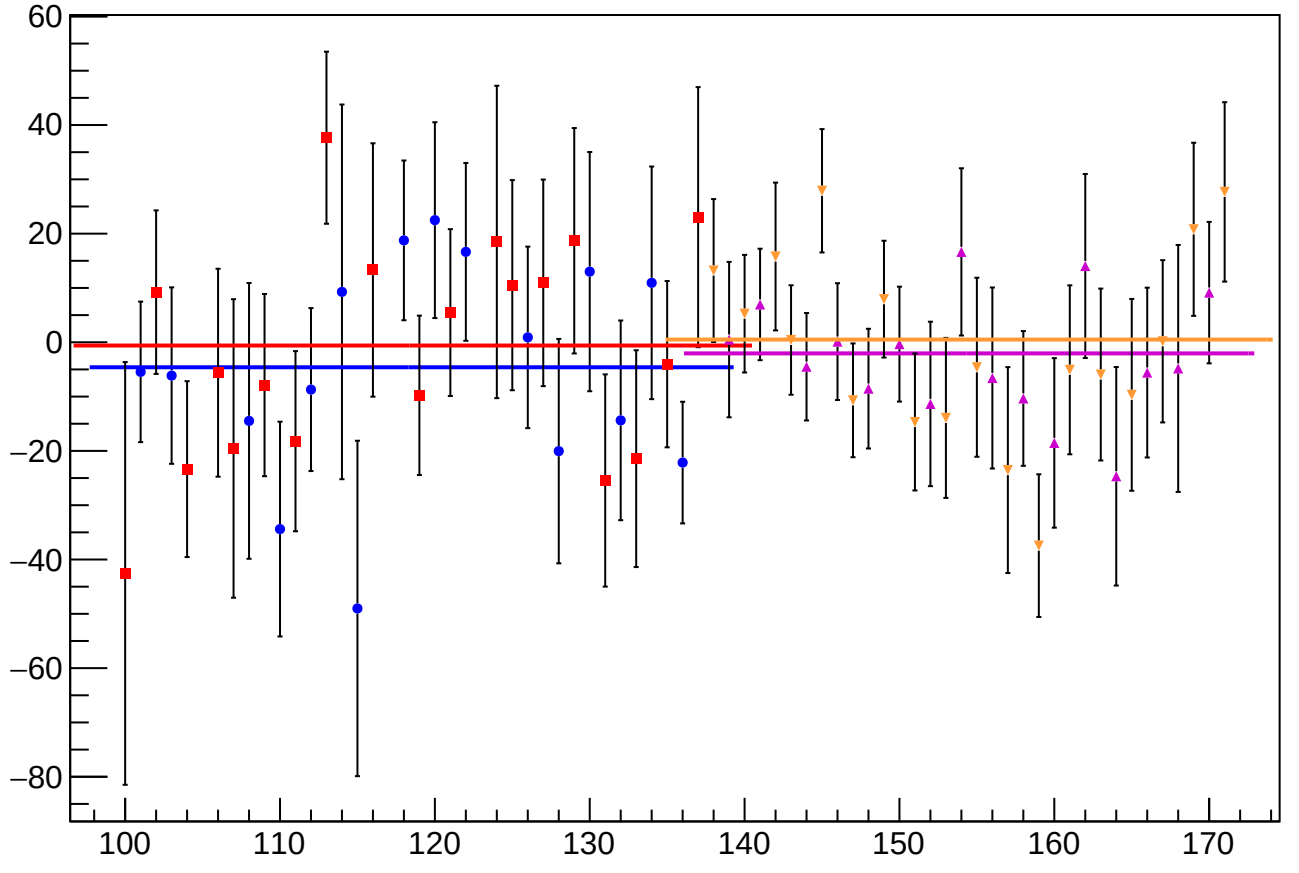
Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5197.281+/-1.076 χ^2/NDF:2390858.4/15

+ sign 5826.326+/-0.943 χ^2/NDF: 3683813.6/33

All: 5566.315+/-0.651 χ^2/NDF: 8850295.0/68

- sign 5330.086+/-0.899 χ^2/NDF: 5021380.4/34



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 0.500+/-3.137 χ^2/NDF:27.2/17

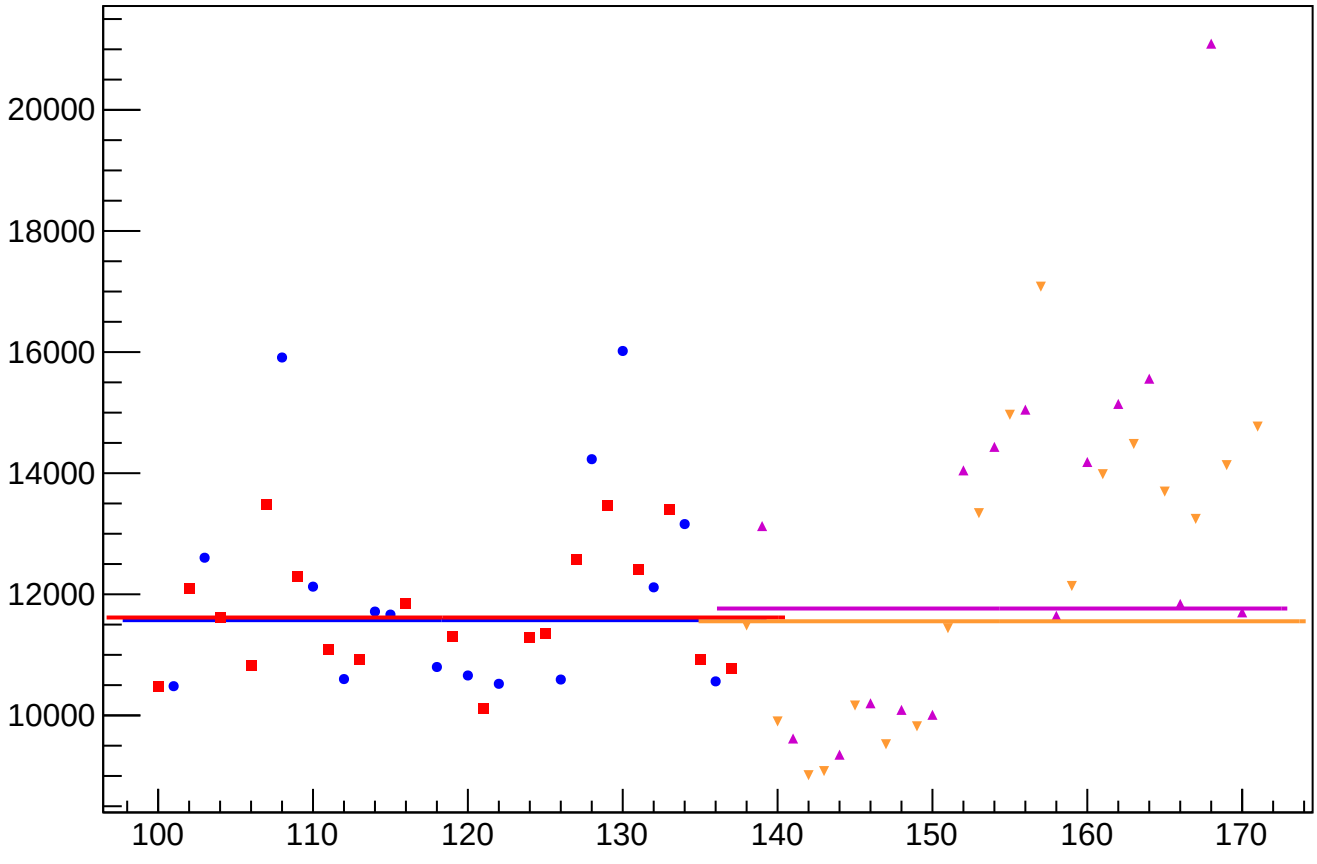
Right Out: -0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -2.046+/-3.314 χ^2/NDF:7.7/15

+ sign -1.243+/-2.545 χ^2/NDF: 43.9/33

All: -1.369+/-1.825 χ^2/NDF: 69.6/68

- sign -1.502+/-2.617 χ^2/NDF: 25.7/34



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11554.571+/-2.218 χ^2/NDF:983712.2/17

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

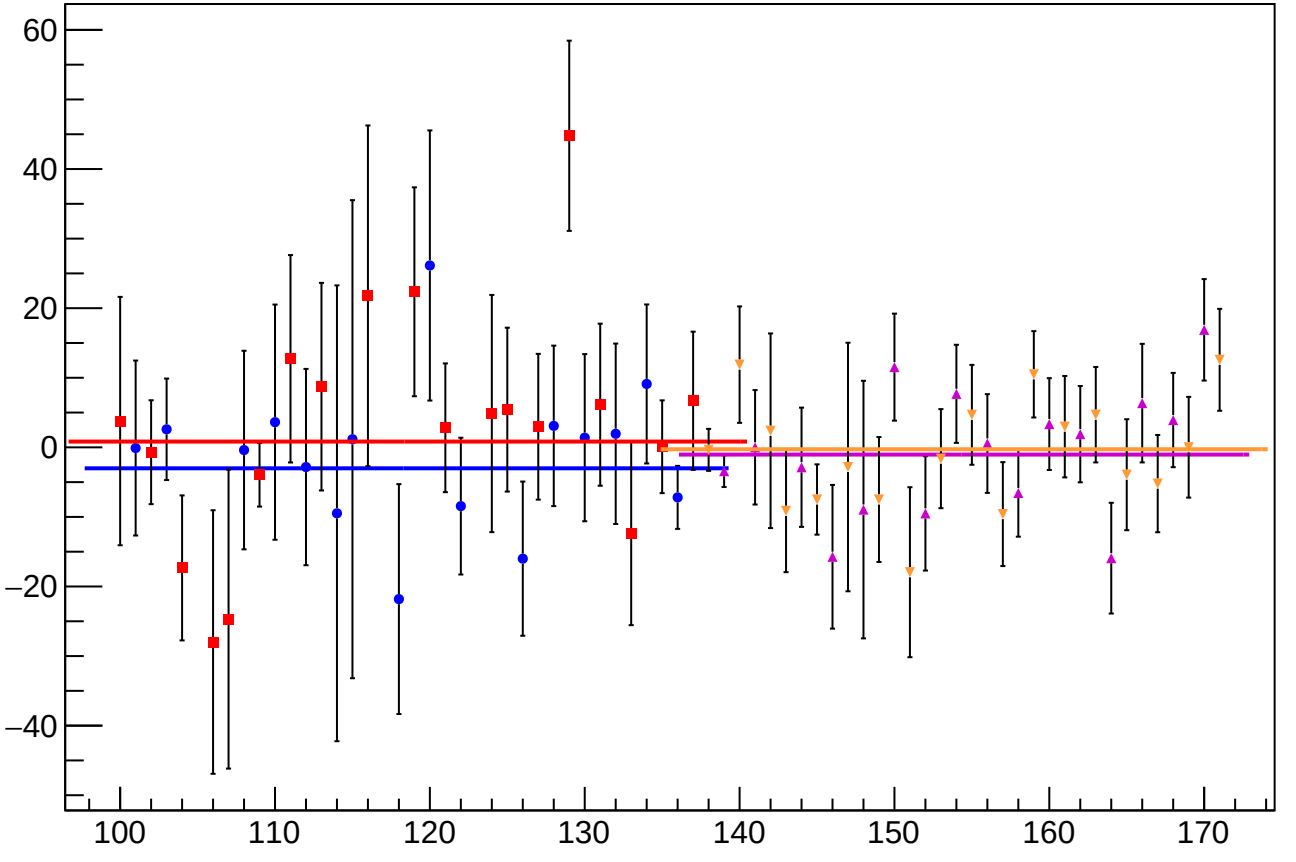
Left In: 11765.195+/-2.343 χ^2/NDF:1087061.9/15

+ sign 11560.891+/-1.800 χ^2/NDF: 1243803.0/33

All: 11633.050+/-1.290 χ^2/NDF: 2428847.7/6

- sign 11709.348+/-1.851 χ^2/NDF: 1181737.2/34

diff_bpm11Y_mean vs Slug



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.275+/-1.580 χ^2/NDF:17.6/17

Right Out: 0.831+/-2.352 χ^2/NDF: 23.8/18

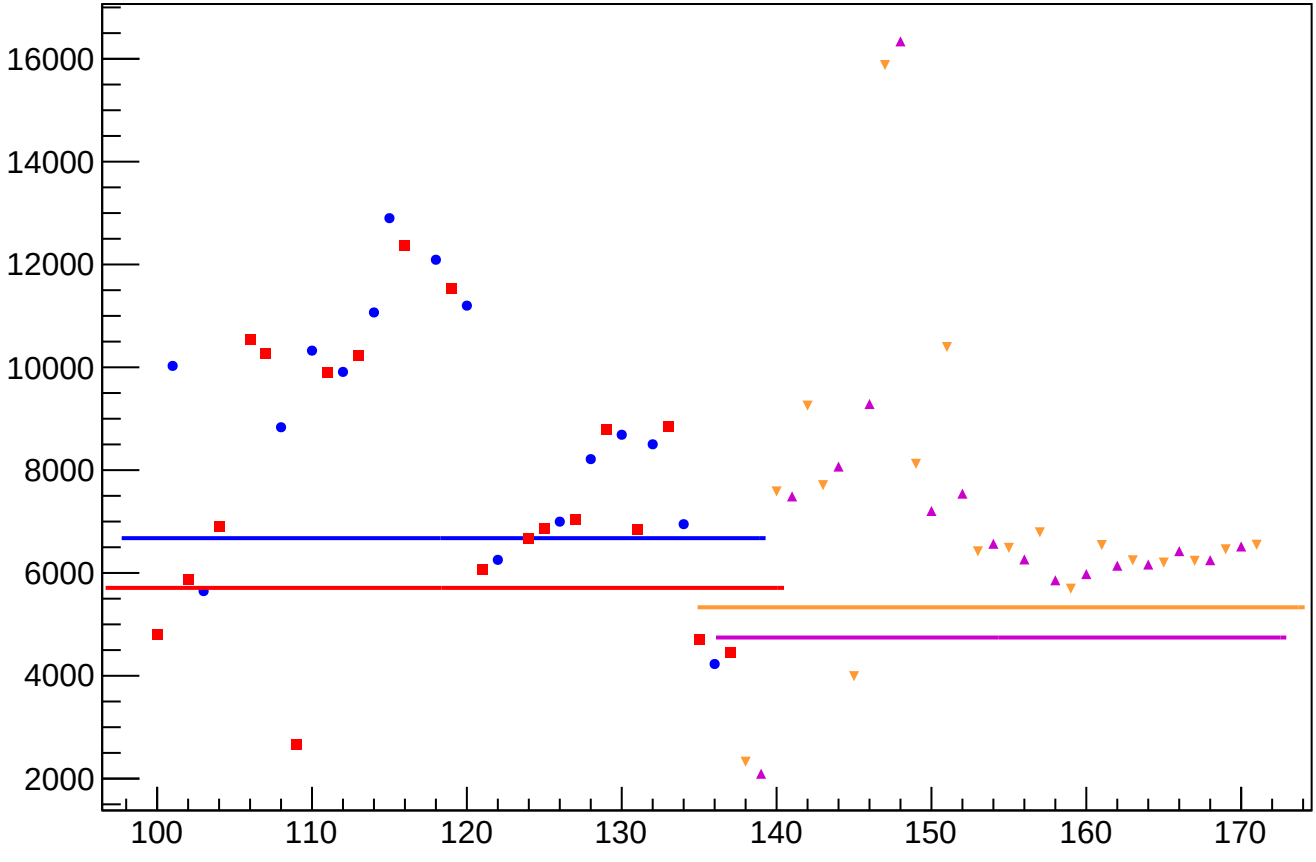
Left In: -1.040+/-1.501 χ^2/NDF:20.9/15

+ sign -0.992+/-1.358 χ^2/NDF: 27.0/33

All: -0.728+/-0.926 χ^2/NDF: 72.2/68

- sign -0.498+/-1.265 χ^2/NDF: 45.2/34

diff_bpm11Y_rms vs Slug



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5332.011+/-1.117 χ^2/NDF:4237846.1/17

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

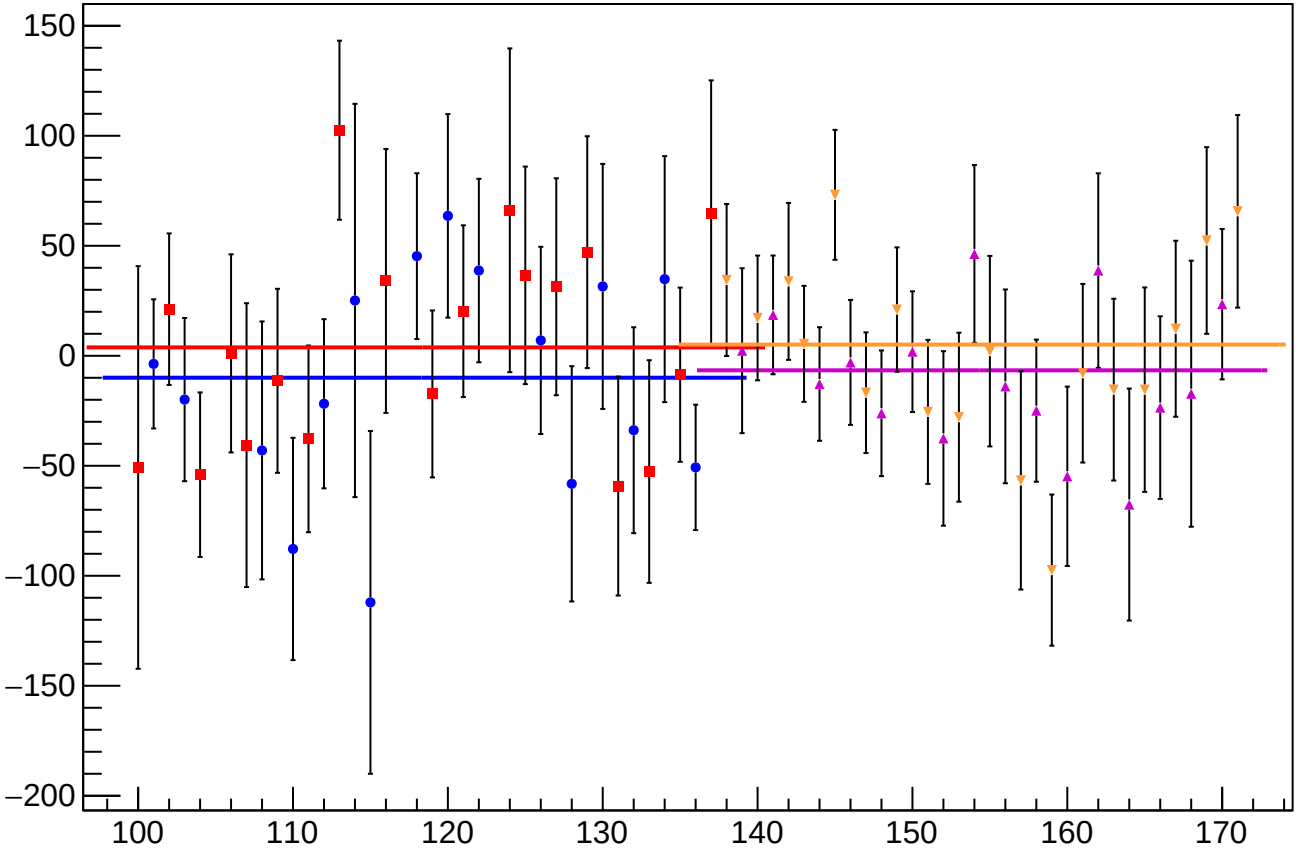
Left In: 4744.311+/-1.061 χ^2/NDF:5629773.1/15

+ sign 5683.975+/-0.960 χ^2/NDF: 6189900.6/33

All: 5330.558+/-0.654 χ^2/NDF: 14613470.8/6

- sign 5023.721+/-0.895 χ^2/NDF: 8170388.7/34

diff_bpm12X_mean vs Slug



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

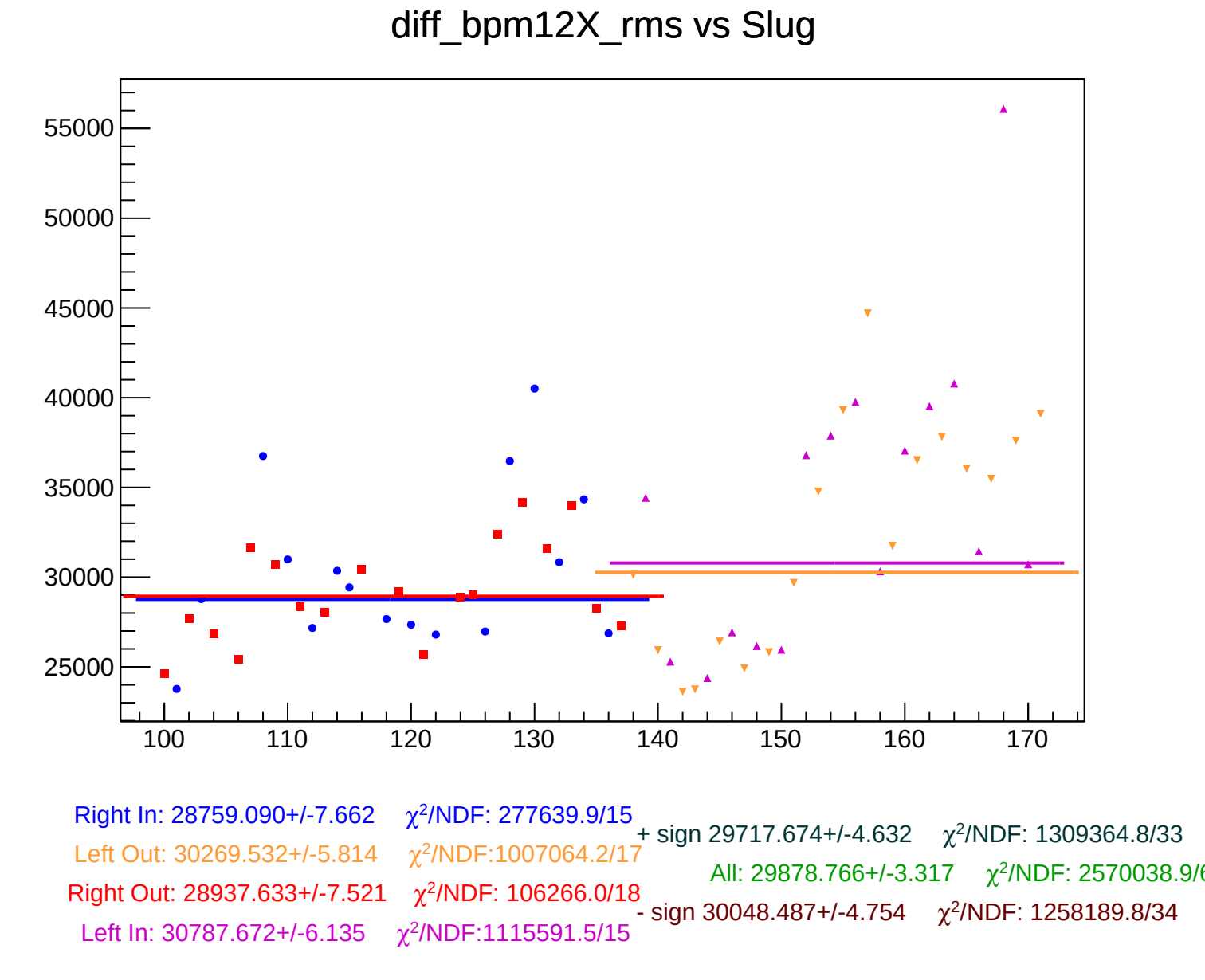
Right Out: 3.814+/-10.636 χ^2/NDF: 17.3/18

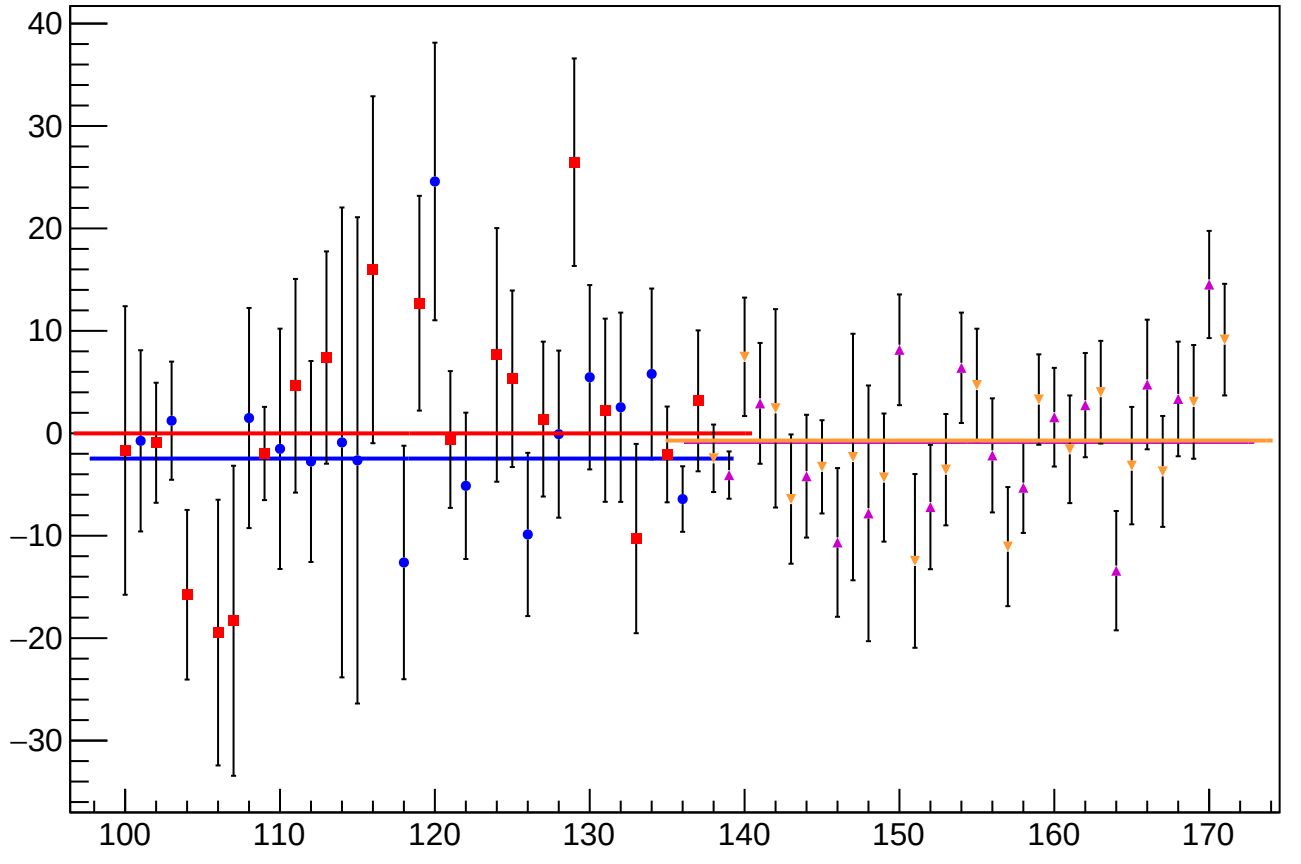
Left In: -6.607+/-8.676 χ^2/NDF:9.0/15

+ sign -0.403+/-6.550 χ^2/NDF: 40.1/33

All: -1.397+/-4.692 χ^2/NDF: 67.1/68

- sign -2.443+/-6.723 χ^2/NDF: 26.9/34


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30269.532+/-5.814 χ²/NDF:1007064.2/17
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30787.672+/-6.135 χ²/NDF:1115591.5/15
+ sign 29717.674+/-4.632 χ²/NDF: 1309364.8/33
All: 29878.766+/-3.317 χ²/NDF: 2570038.9/6
- sign 30048.487+/-4.754 χ²/NDF: 1258189.8/34



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.708+/-1.283 χ^2/NDF:16.2/17

Right Out: -0.009+/-1.828 χ^2/NDF: 20.0/18

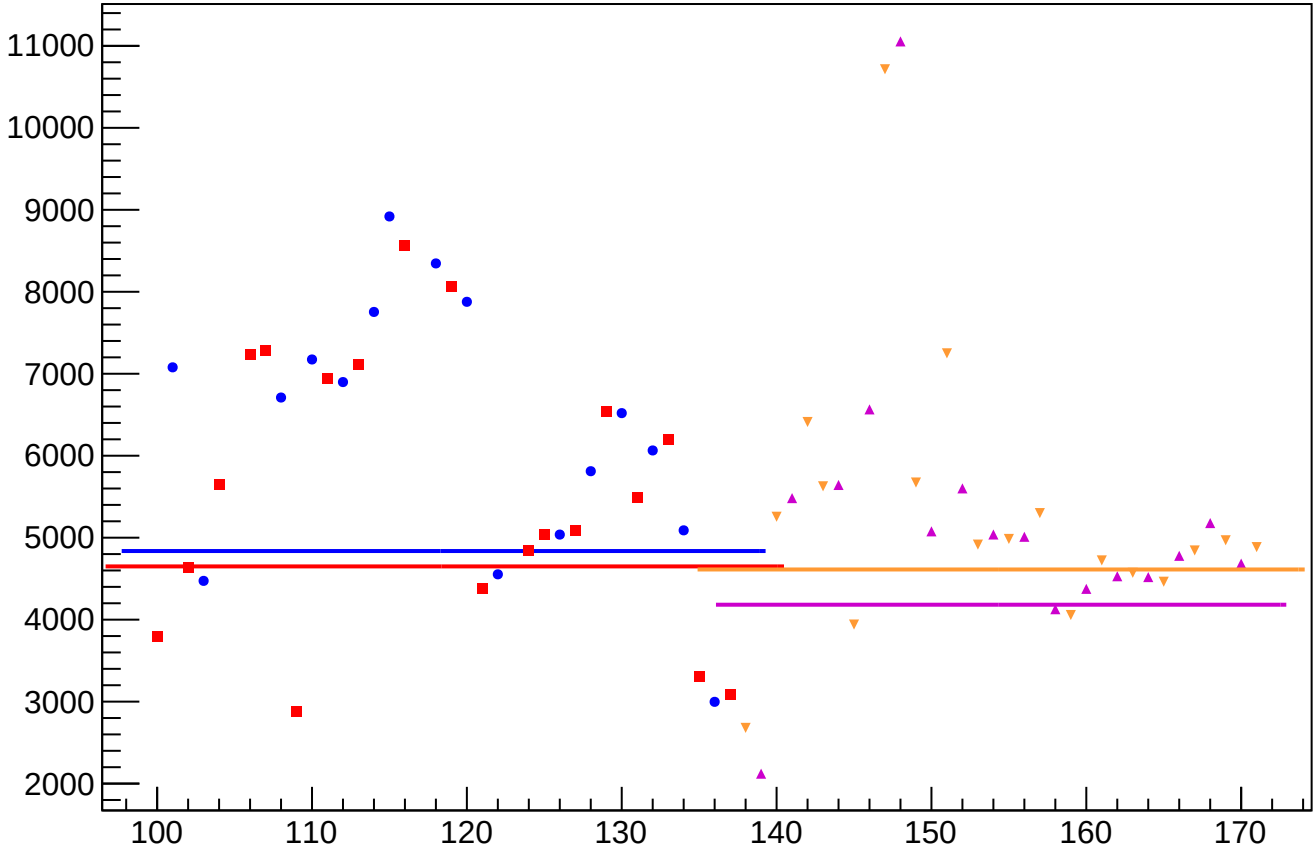
Left In: -0.845+/-1.237 χ^2/NDF:26.9/15

+ sign -1.253+/-1.066 χ^2/NDF: 26.8/33

All: -0.904+/-0.739 χ^2/NDF: 74.1/68

- sign -0.582+/-1.025 χ^2/NDF: 47.1/34

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4612.183+/-0.907 χ^2/NDF:1737547.1/17

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

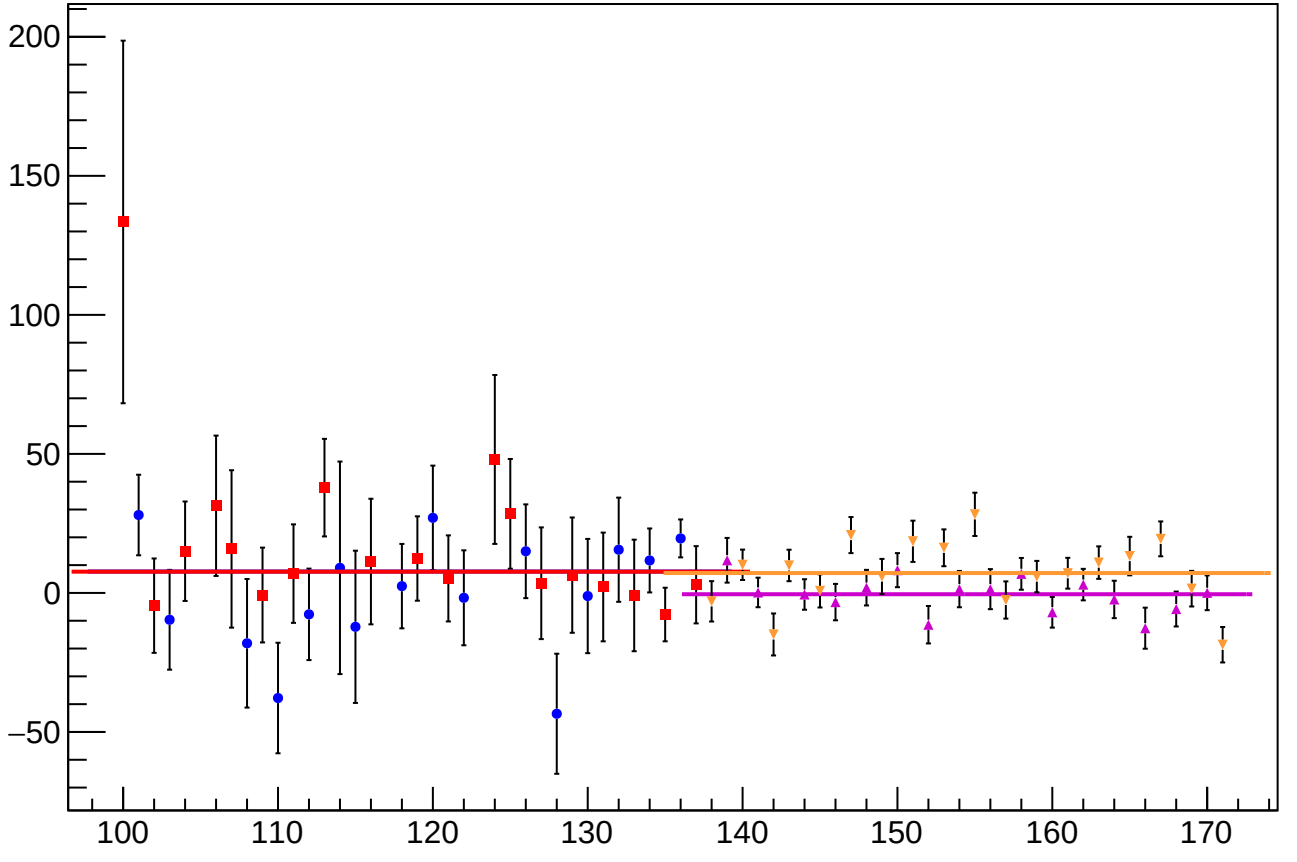
Left In: 4182.248+/-0.875 χ^2/NDF:3009789.2/15

+ sign 4681.880+/-0.754 χ^2/NDF: 3304356.9/33

All: 4498.458+/-0.522 χ^2/NDF: 7952205.4/68

- sign 4329.061+/-0.725 χ^2/NDF: 4533991.3/34

diff_bpm16X_mean vs Slug



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.152+/-1.497 χ^2/NDF:52.6/17

Right Out: 7.650+/-4.099 χ^2/NDF: 14.6/18

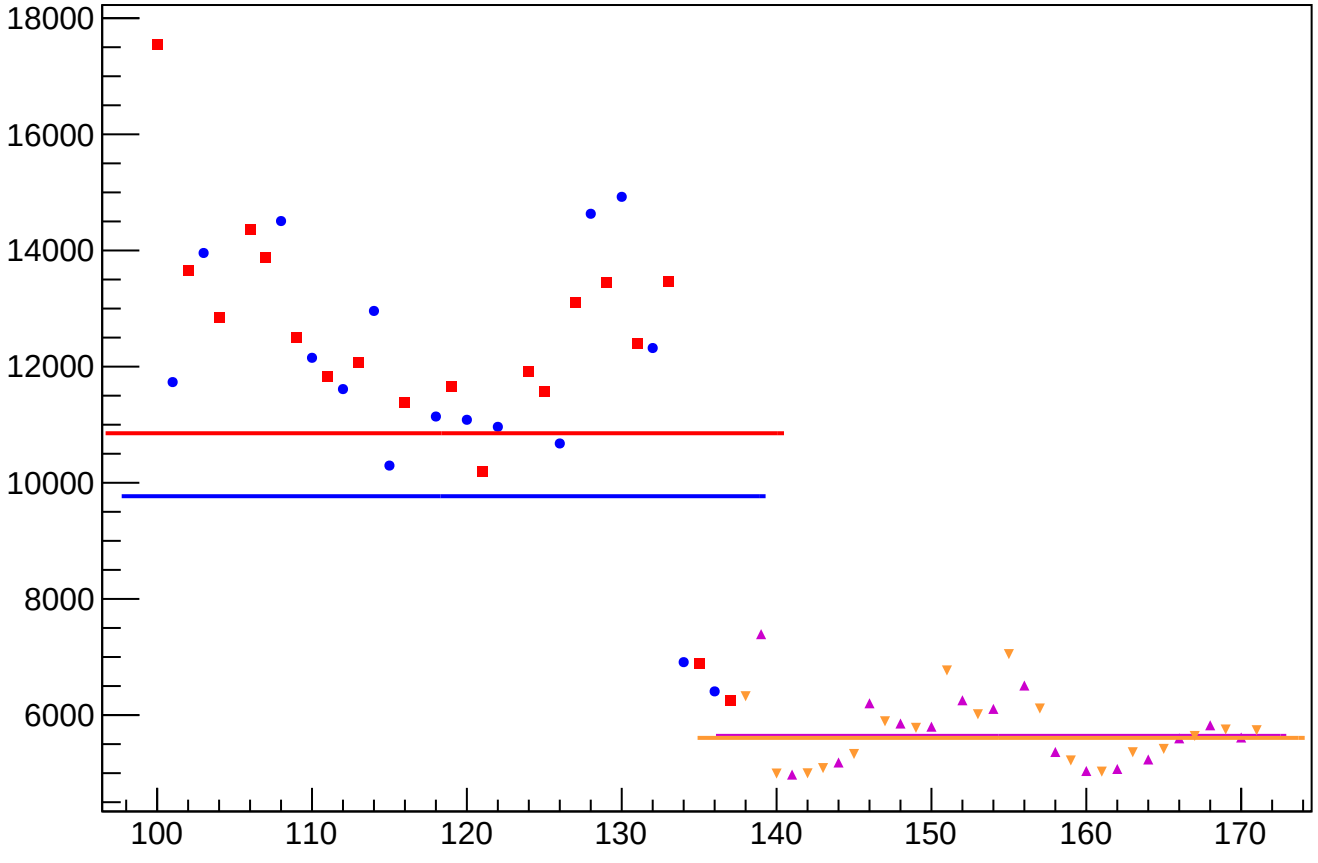
Left In: -0.468+/-1.563 χ^2/NDF:14.4/15

+ sign 7.225+/-1.394 χ^2/NDF: 74.2/33

All: 4.050+/-1.008 χ^2/NDF: 117.5/68

- sign 0.562+/-1.460 χ^2/NDF: 32.4/34

diff_bpm16X_rms vs Slug



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5607.454+/-1.058 χ^2/NDF:259591.0/17

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

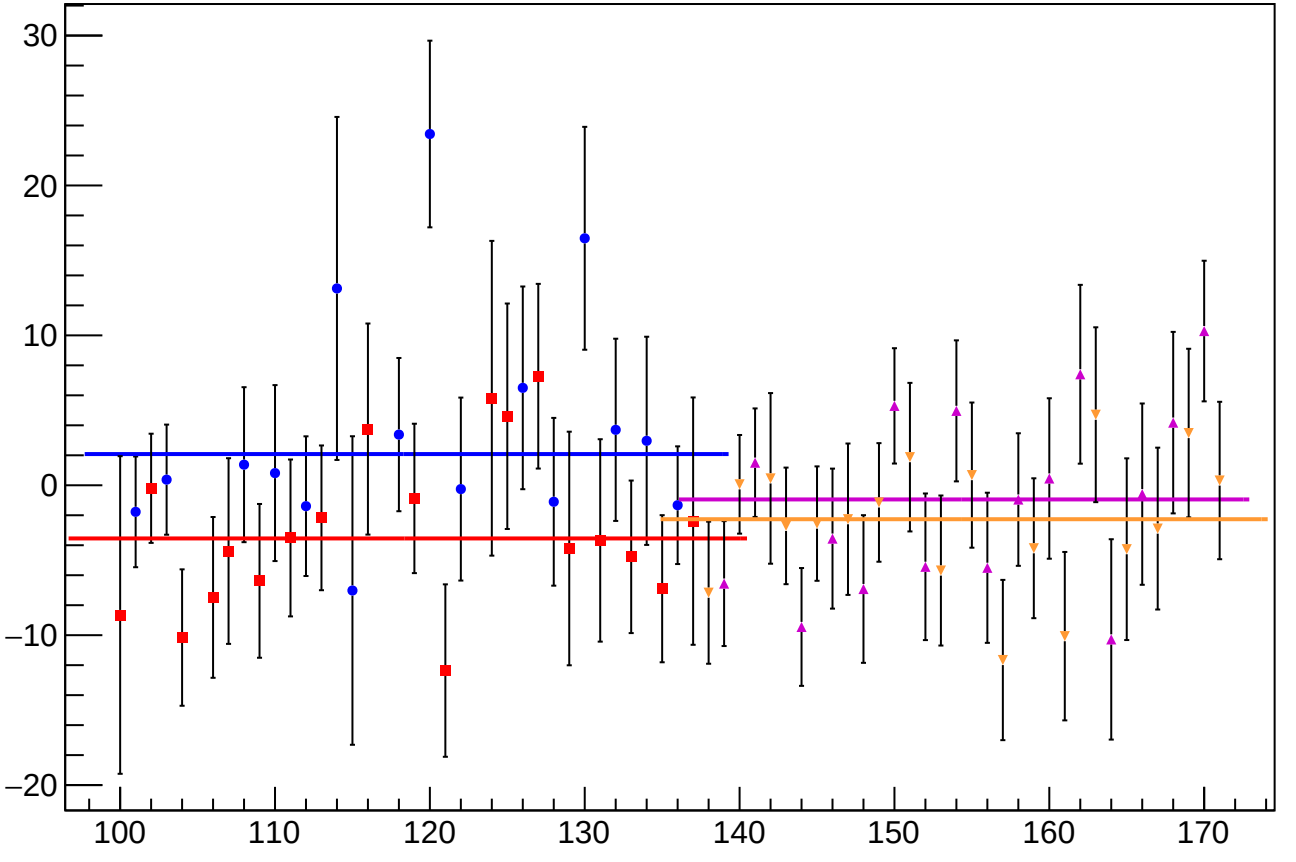
Left In: 5642.068+/-1.105 χ^2/NDF:272270.4/15

+ sign 6161.290+/-0.985 χ^2/NDF: 3531026.5/33

All: 6229.054+/-0.713 χ^2/NDF: 7509389.5/68

- sign 6303.482+/-1.033 χ^2/NDF: 3968439.1/34

diff_bpm16Y_mean vs Slug



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.264+/-1.118 χ^2/NDF:11.5/17

Right Out: -3.546+/-1.304 χ^2/NDF: 13.4/18

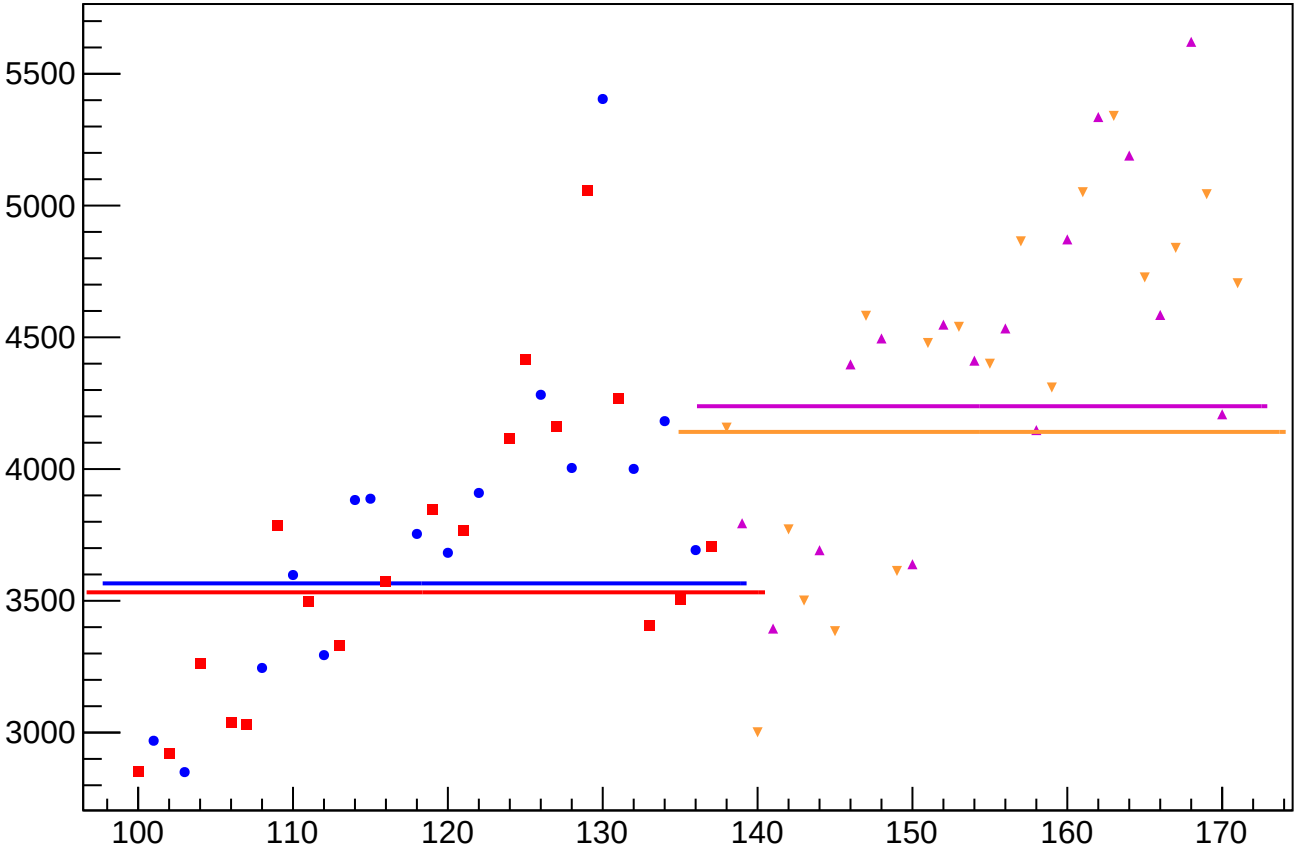
Left In: -0.944+/-1.181 χ^2/NDF:25.1/15

+ sign -0.489+/-0.860 χ^2/NDF: 38.6/33

All: -1.288+/-0.613 χ^2/NDF: 81.0/68

- sign -2.117+/-0.875 χ^2/NDF: 40.7/34

diff_bpm16Y_rms vs Slug



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4141.054+/-0.790 χ^2/NDF:762740.0/17

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

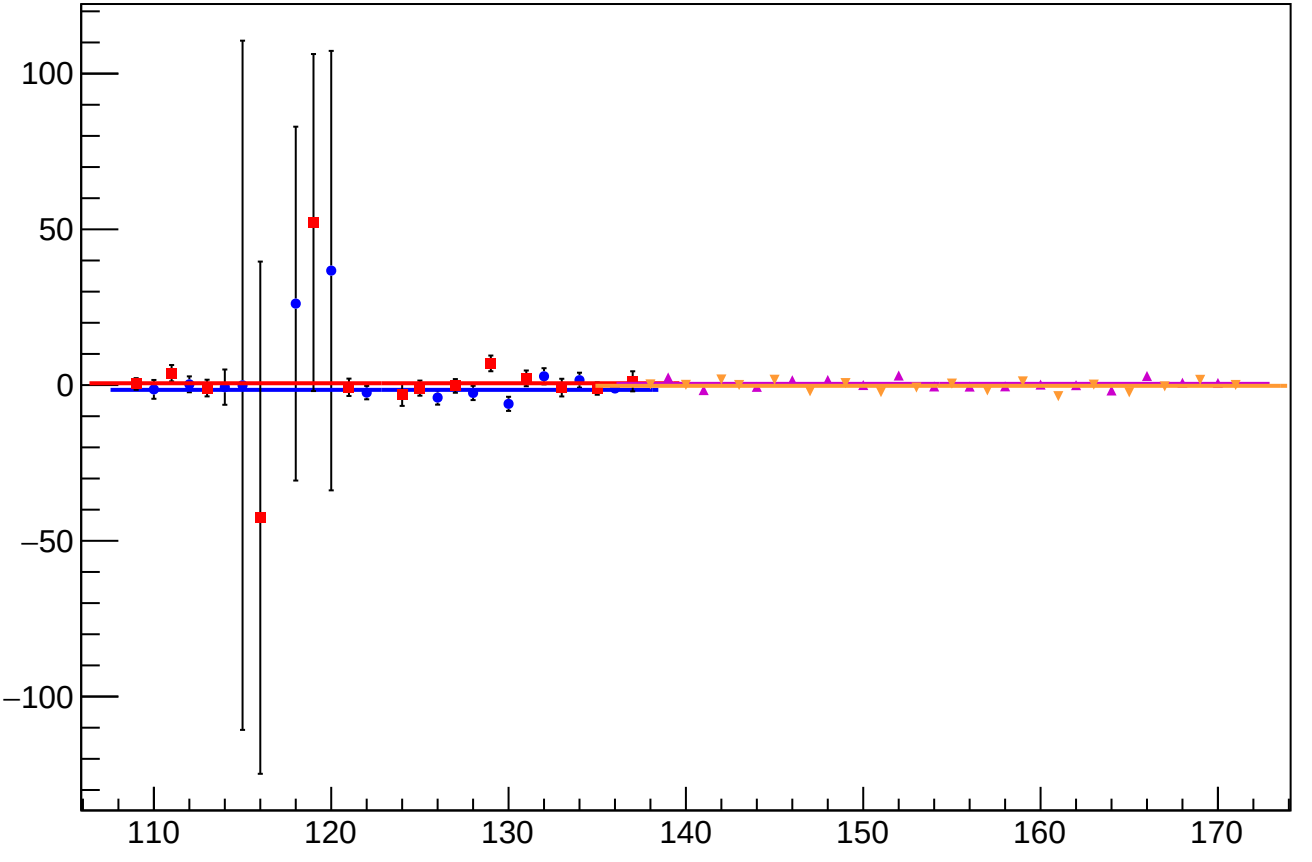
Left In: 4238.505+/-0.835 χ^2/NDF:492227.7/15

+ sign 3906.272+/-0.608 χ^2/NDF: 1319925.0/33

All: 3913.135+/-0.434 χ^2/NDF: 2413402.5/68

- sign 3920.252+/-0.619 χ^2/NDF: 1093217.9/34

diff_bpm1p02bX_mean vs Slug



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.239+/-0.270 χ^2/NDF:29.4/17

Right Out: 0.588+/-0.717 χ^2/NDF: 12.7/13

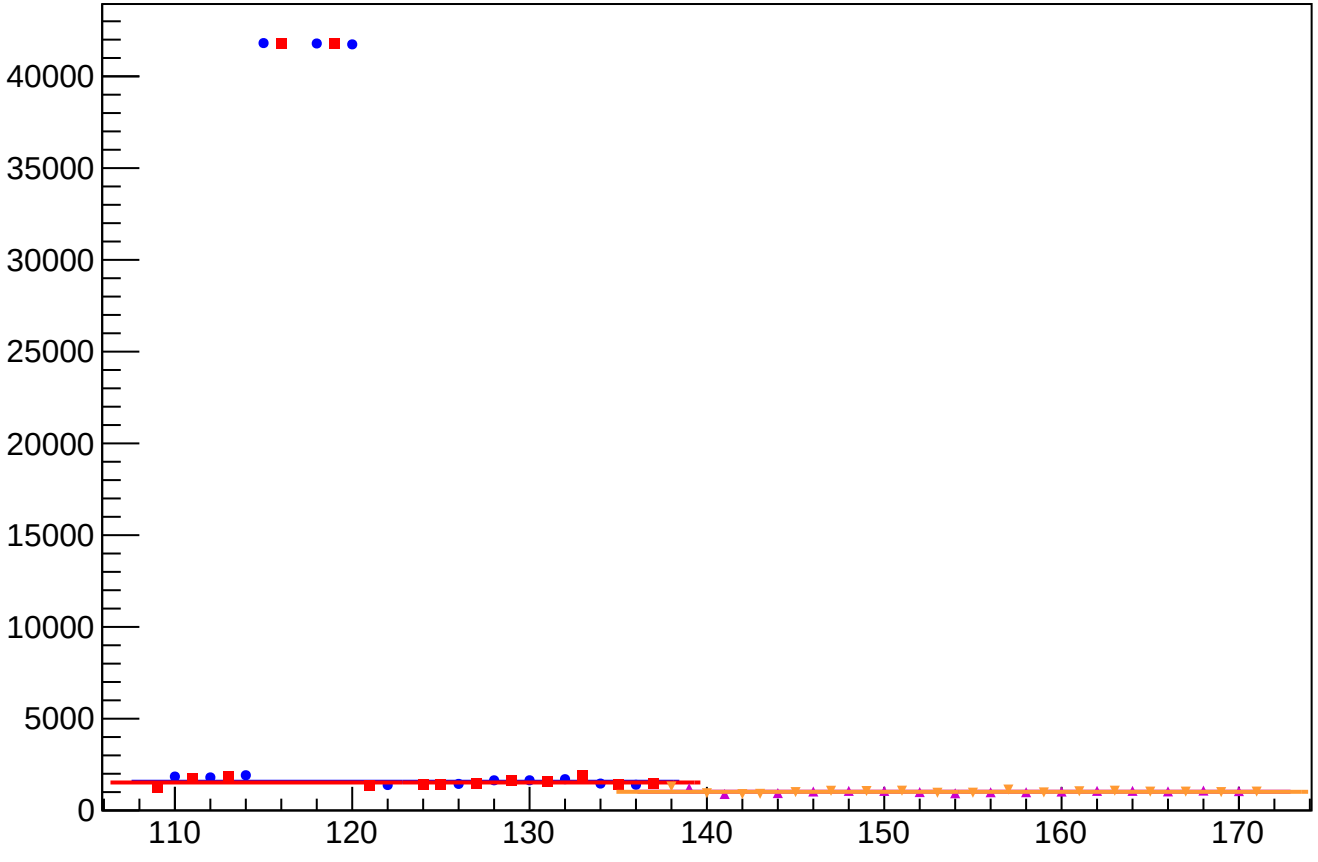
Left In: 0.389+/-0.282 χ^2/NDF:24.0/15

+ sign -0.395+/-0.254 χ^2/NDF: 43.2/30

All: -0.003+/-0.182 χ^2/NDF: 84.9/60

- sign 0.416+/-0.262 χ^2/NDF: 36.8/29

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.759+/-0.191 χ^2/NDF:178116.4/17

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

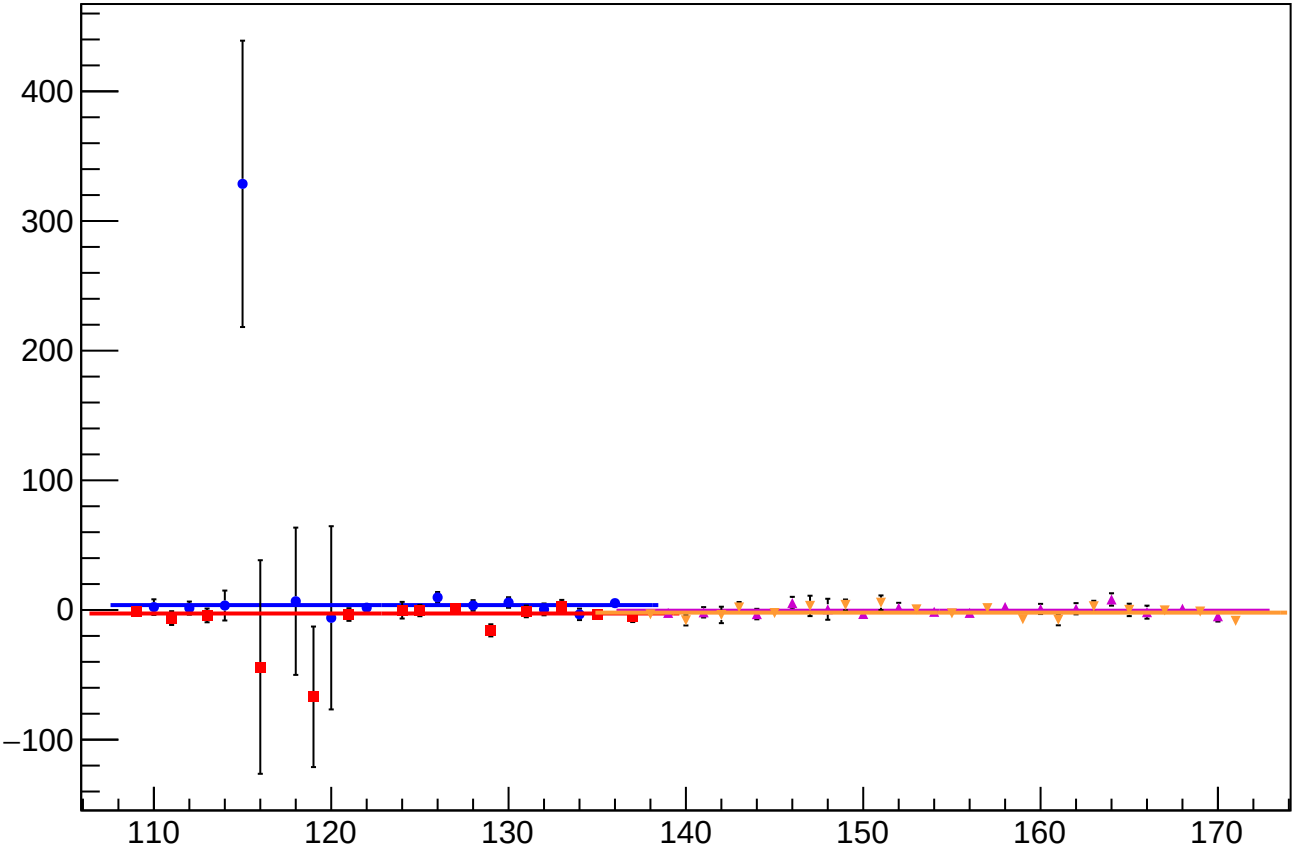
Left In: 1020.544+/-0.199 χ^2/NDF:123836.5/15

+ sign 1081.538+/-0.179 χ^2/NDF: 3181649.0/30

All: 1084.612+/-0.129 χ^2/NDF: 5898508.0/60

- sign 1087.899+/-0.186 χ^2/NDF: 2716251.6/29

diff_bpm1p02bY_mean vs Slug



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.033+/-0.907 χ^2/NDF:17.1/17

Right Out: -2.709+/-1.211 χ^2/NDF: 13.6/13

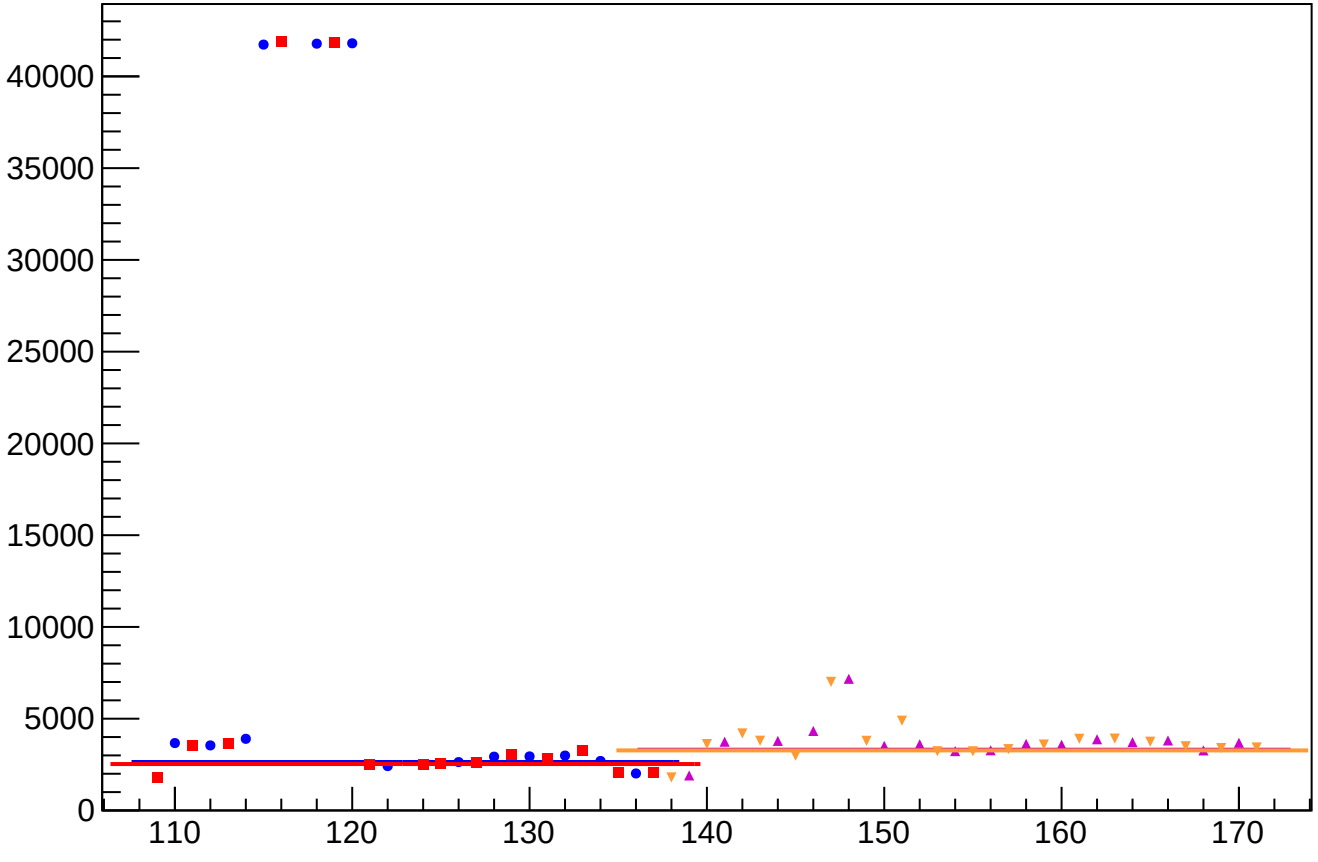
Left In: -0.553+/-0.949 χ^2/NDF:9.1/15

+ sign -0.027+/-0.734 χ^2/NDF: 46.4/30

All: -0.688+/-0.523 χ^2/NDF: 72.8/60

- sign -1.373+/-0.747 χ^2/NDF: 24.7/29

diff_bpm1p02bY_rms vs Slug



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3272.292+/-0.641 χ^2/NDF:1873391.2/17

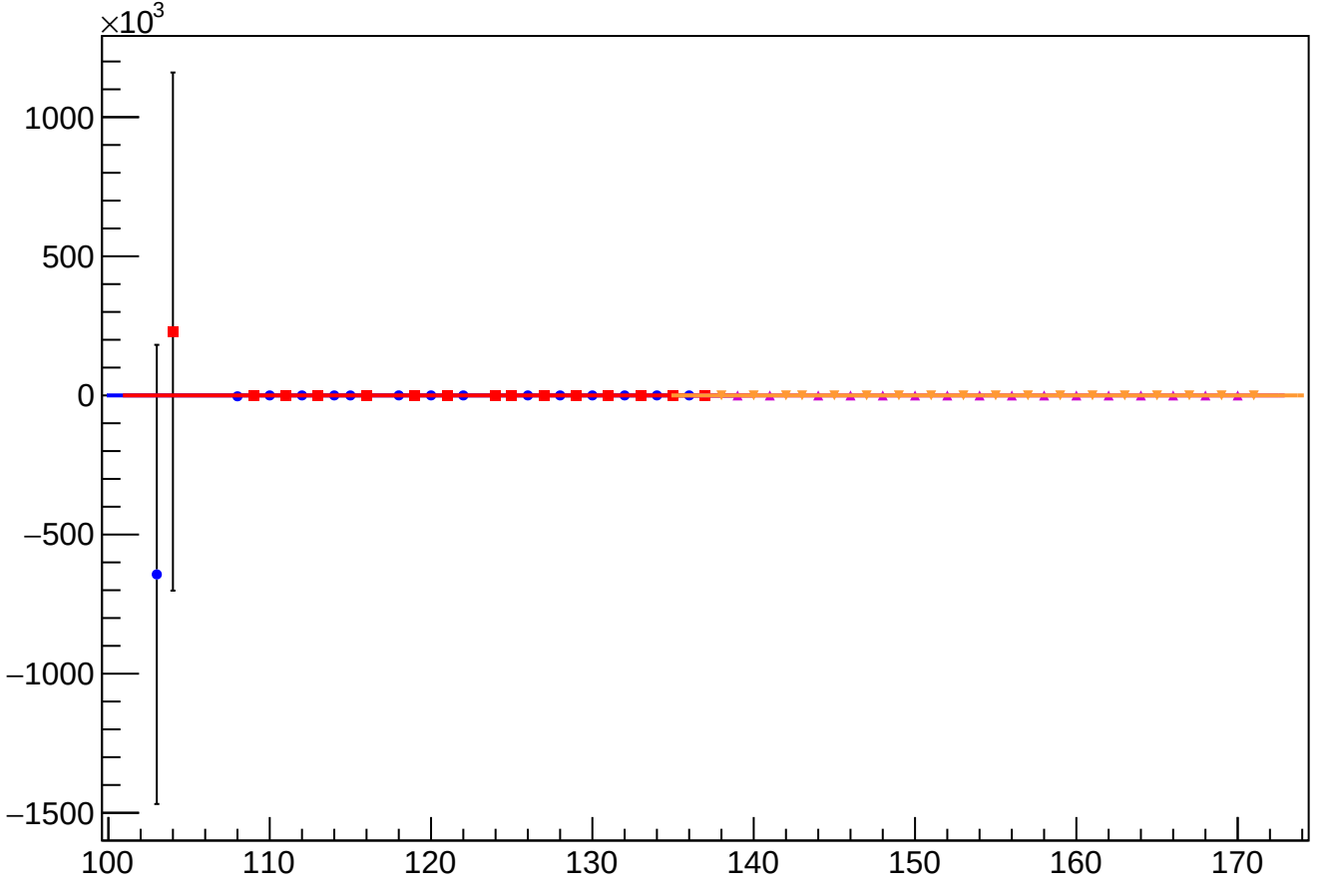
Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3309.590+/-0.671 χ^2/NDF:1608295.9/15

+ sign 3053.935+/-0.519 χ^2/NDF: 4382770.9/30

All: 3033.631+/-0.370 χ^2/NDF: 8458940.1/60

- sign 3012.578+/-0.528 χ^2/NDF: 4073048.2/29



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.783+/-0.423 χ^2/NDF:42.3/17

Right Out: -2.670+/-1.211 χ^2/NDF: 14.4/14

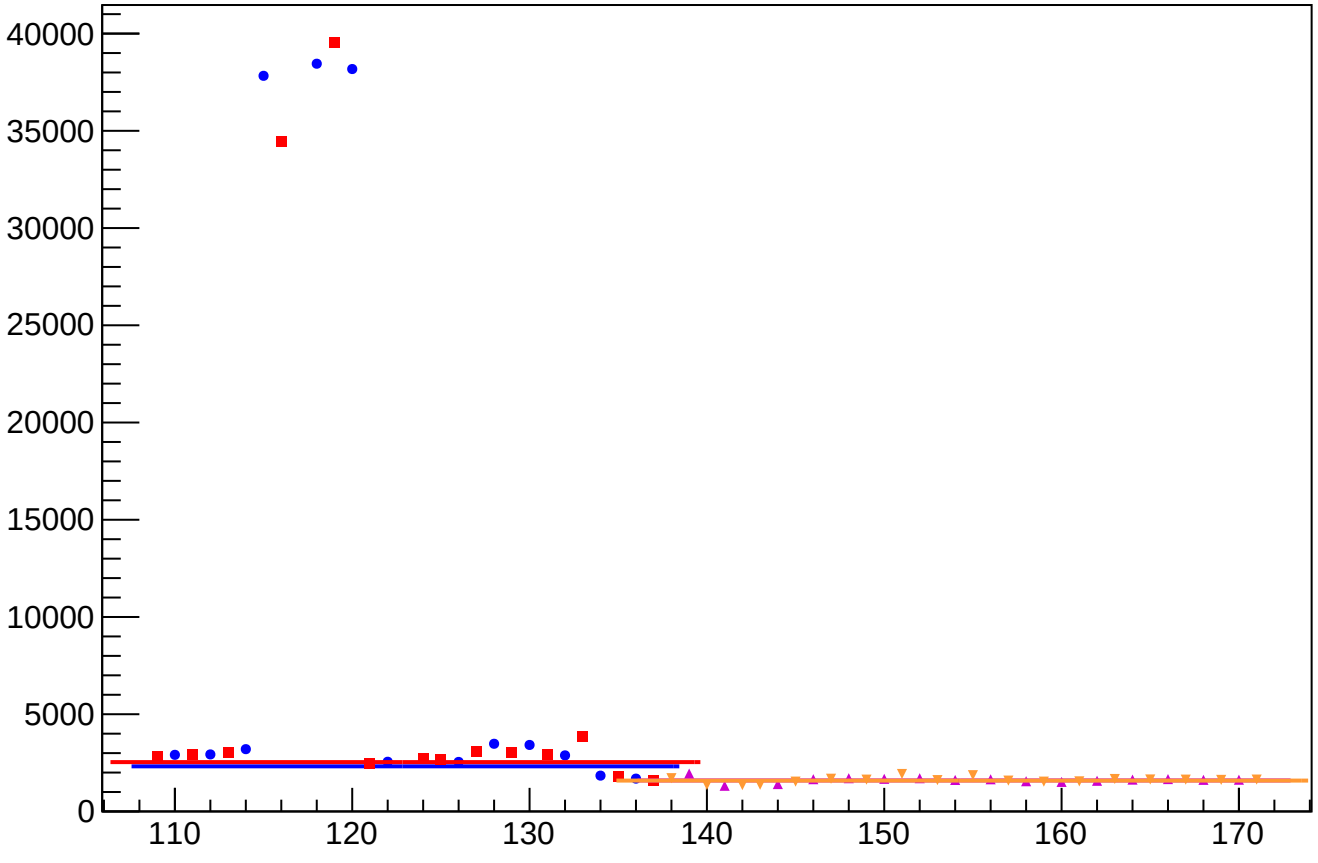
Left In: 0.214+/-0.441 χ^2/NDF:17.2/15

+ sign -1.713+/-0.396 χ^2/NDF: 61.3/32

All: -0.955+/-0.286 χ^2/NDF: 105.6/63

- sign -0.124+/-0.415 χ^2/NDF: 36.7/30

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.325+/-0.299 χ^2/NDF:230040.5/17

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

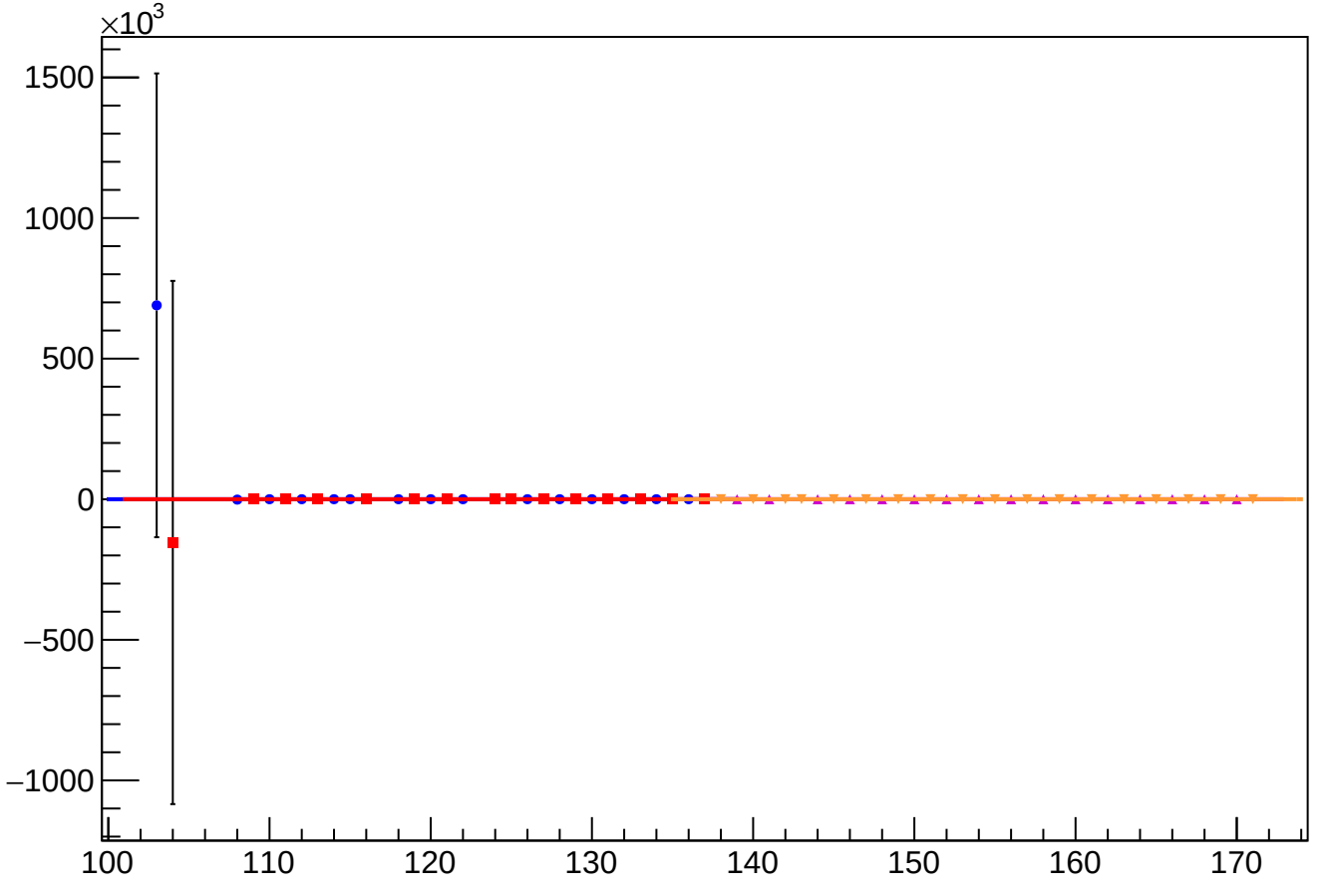
Left In: 1594.693+/-0.312 χ^2/NDF:196045.0/15

+ sign 1678.144+/-0.280 χ^2/NDF: 3435238.7/30

All: 1691.050+/-0.203 χ^2/NDF: 6744093.8/60

- sign 1705.194+/-0.293 χ^2/NDF: 3304404.0/29

diff_bpm1p03aY_mean vs Slug



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.027+/-0.587 χ^2/NDF:20.8/17

Right Out: -1.893+/-1.052 χ^2/NDF: 15.3/14

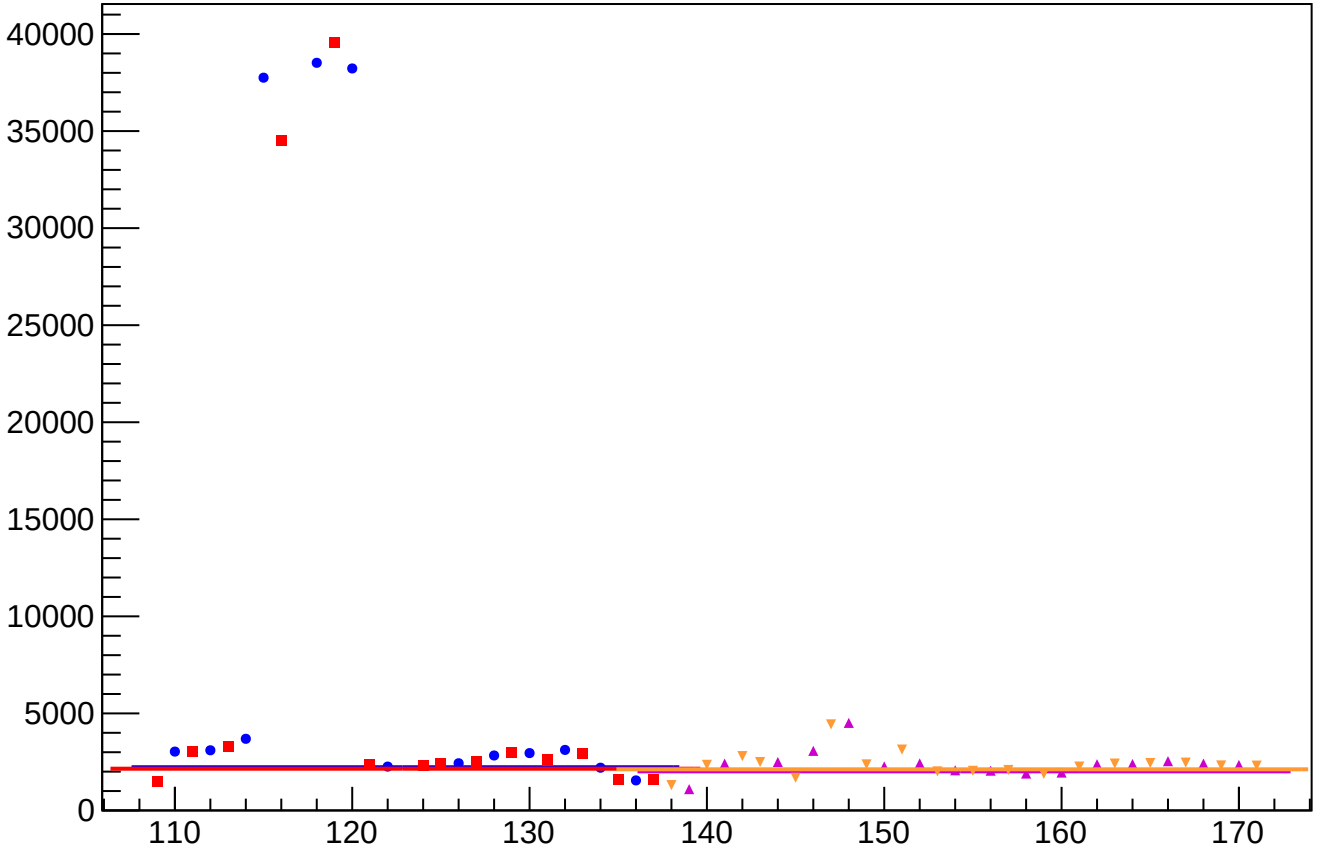
Left In: -0.053+/-0.586 χ^2/NDF:12.7/15

+ sign -0.401+/-0.515 χ^2/NDF: 30.8/32

All: -0.445+/-0.363 χ^2/NDF: 61.1/63

- sign -0.488+/-0.512 χ^2/NDF: 30.3/30

diff_bpm1p03aY_rms vs Slug



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2119.165+/-0.415 χ^2/NDF:1465663.5/17

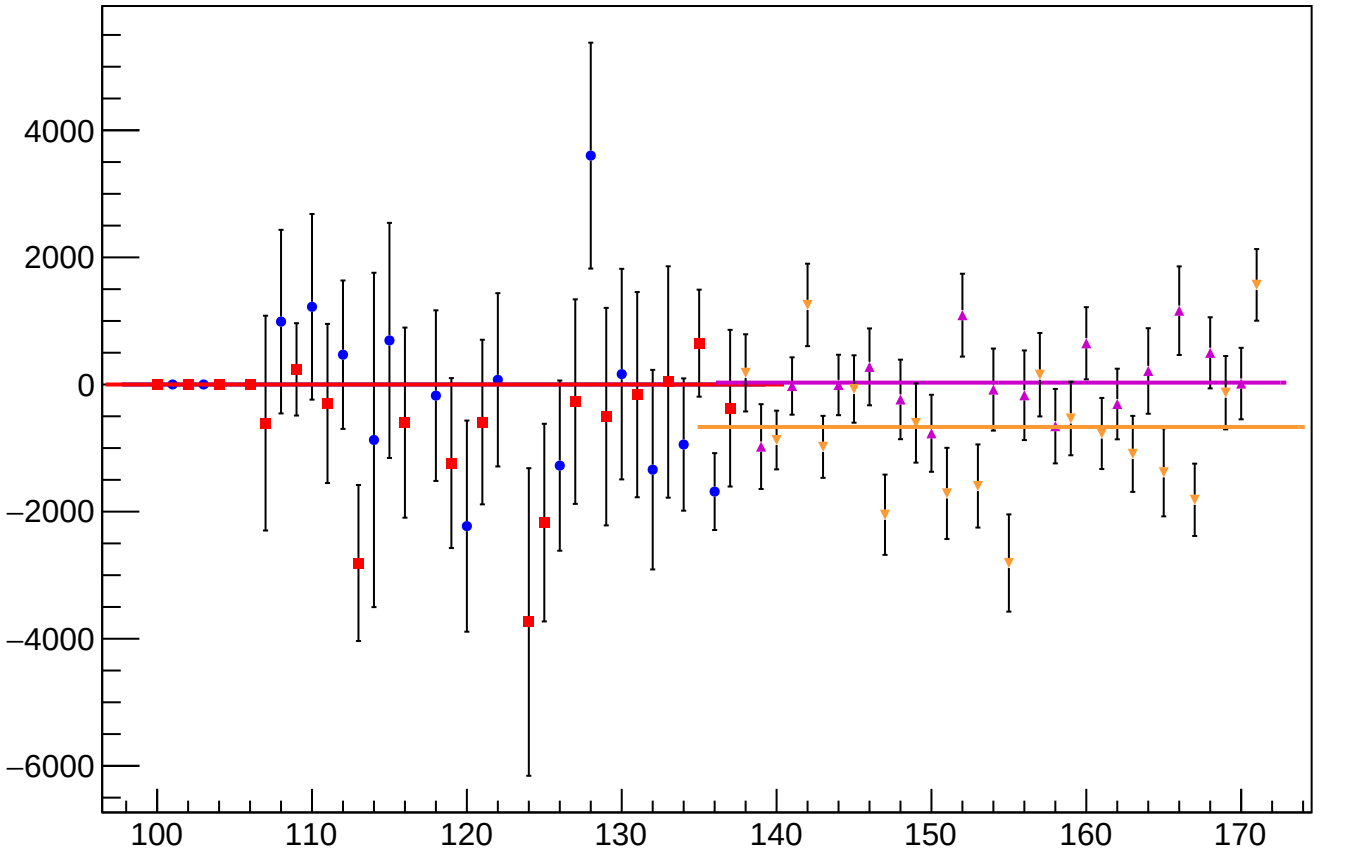
Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2014.490+/-0.414 χ^2/NDF:2243239.7/15

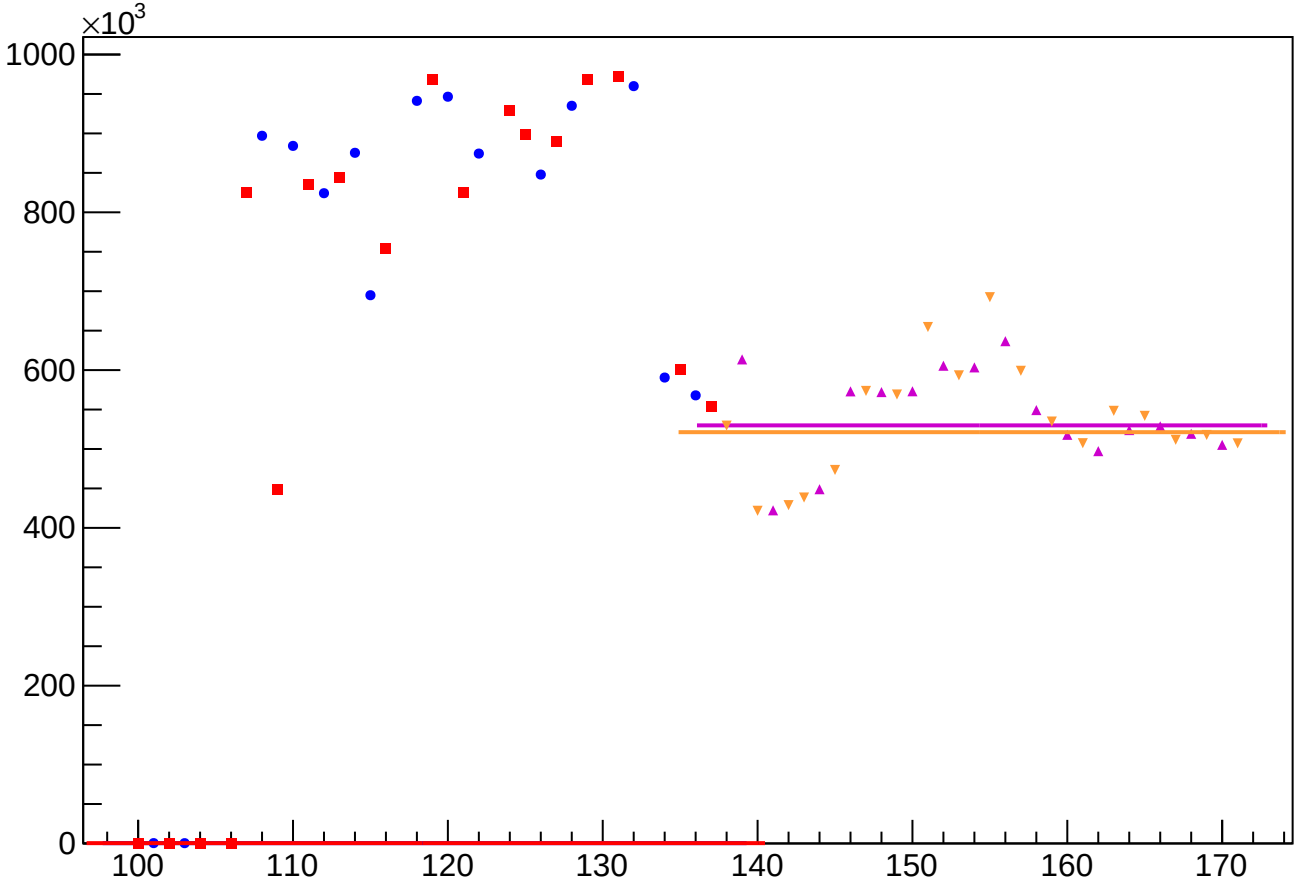
+ sign 2143.853+/-0.364 χ^2/NDF: 4003409.1/30

All: 2094.974+/-0.257 χ^2/NDF: 8539396.2/60

- sign 2046.759+/-0.362 χ^2/NDF: 4500221.8/29


diff_cav4bX_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -668.356+/-139.700 χ²/NDF:53.3/17
Right Out: 0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 29.600+/-147.044 χ²/NDF:13.5/15
+ sign 0.251+/-0.356 χ²/NDF: 93.9/33
All: 0.167+/-0.241 χ²/NDF: 122.9/68
- sign 0.096+/-0.328 χ²/NDF: 28.9/34

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 521316.656+/-98.783 χ^2/NDF:465301.5/17

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

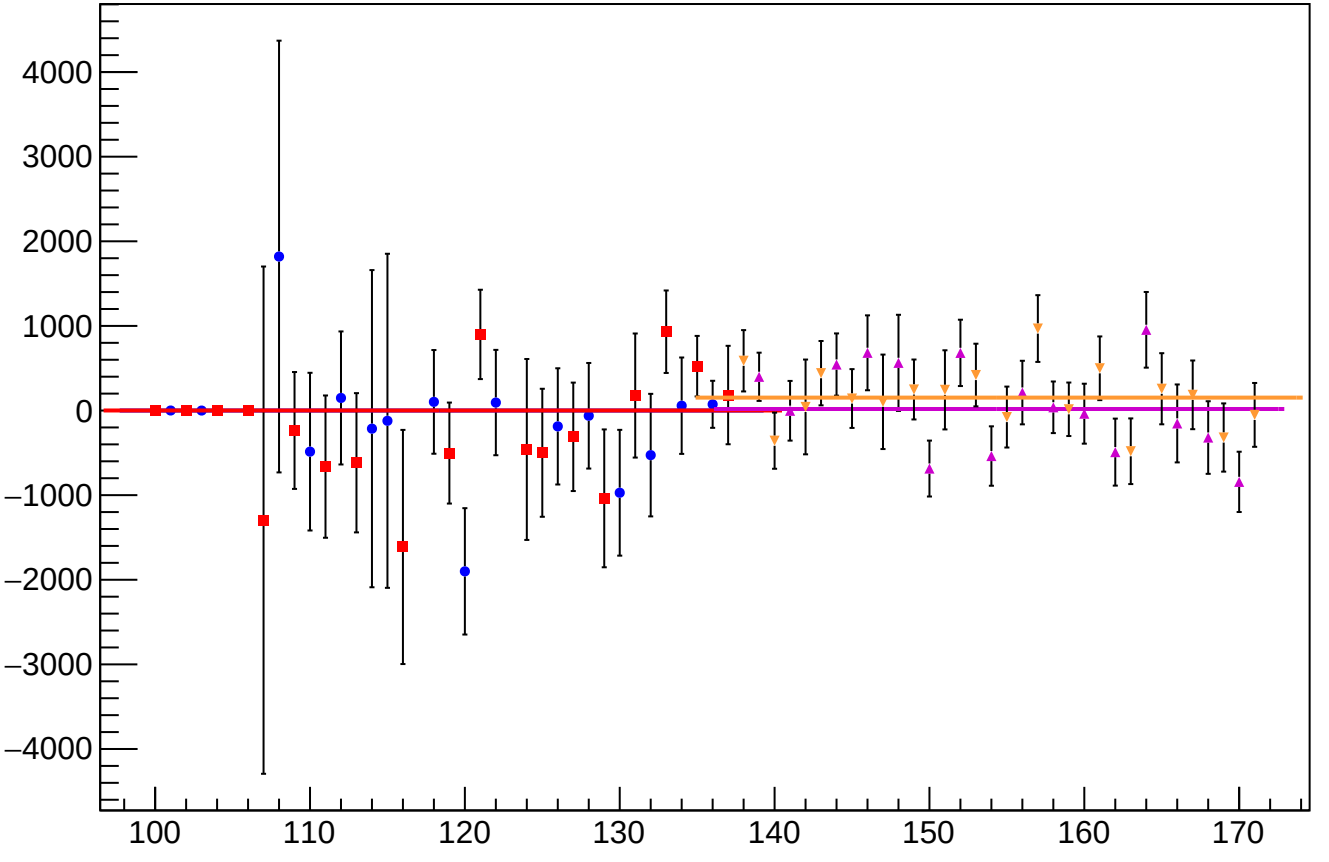
Left In: 529927.540+/-103.976 χ^2/NDF:346093.0/15

+ sign 402.257+/-0.251 χ^2/NDF: 36765469.1/32

All: 398.804+/-0.170 χ^2/NDF: 70697466.3/66

- sign 395.871+/-0.232 χ^2/NDF: 33931648.5/33

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 152.698+/-90.942 χ^2/NDF:15.2/17

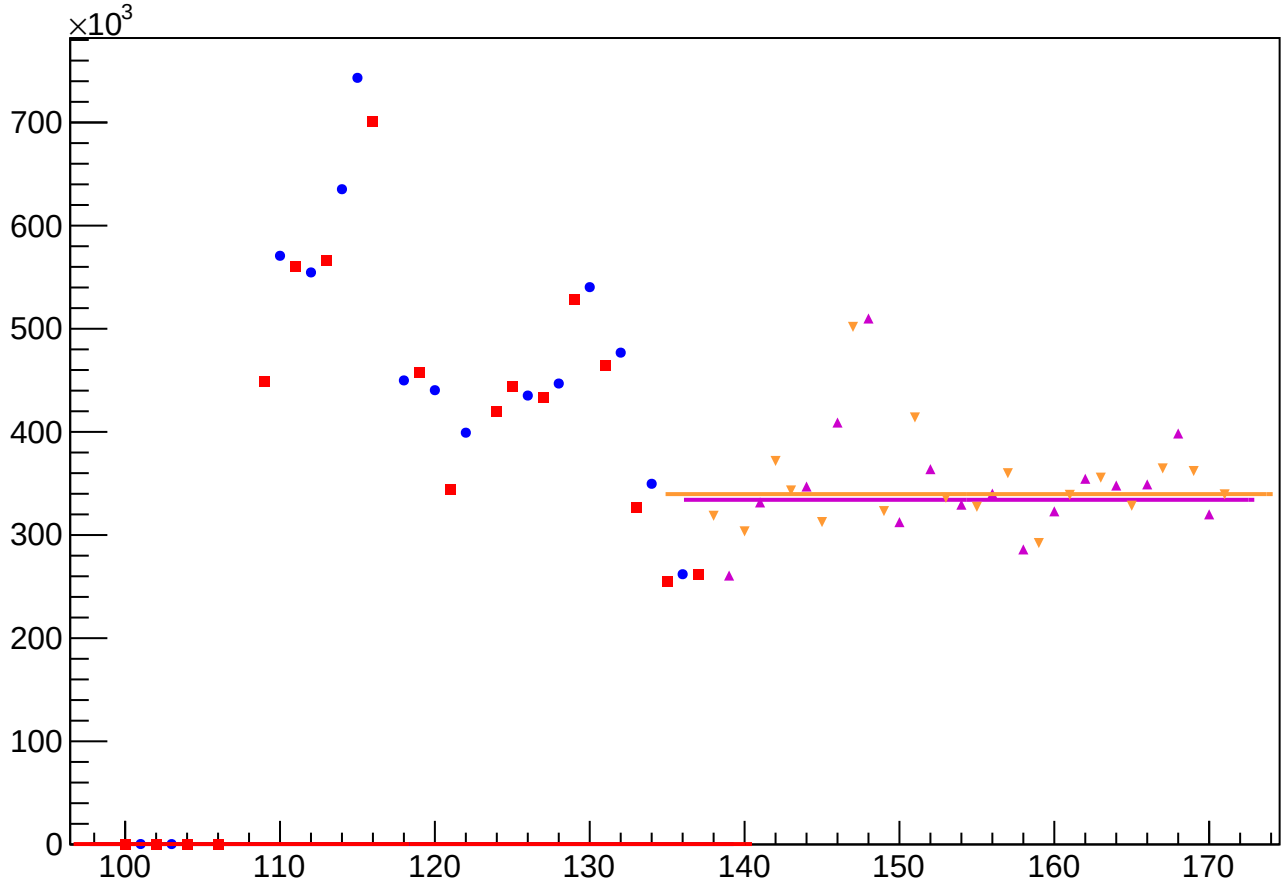
Right Out: 0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 18.157+/-93.269 χ^2/NDF:29.8/15

+ sign -0.018+/-0.347 χ^2/NDF: 28.5/33

All: 0.312+/-0.237 χ^2/NDF: 75.0/68

- sign 0.599+/-0.324 χ^2/NDF: 44.9/34



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339682.838+/-64.306 χ^2/NDF:344354.3/17

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

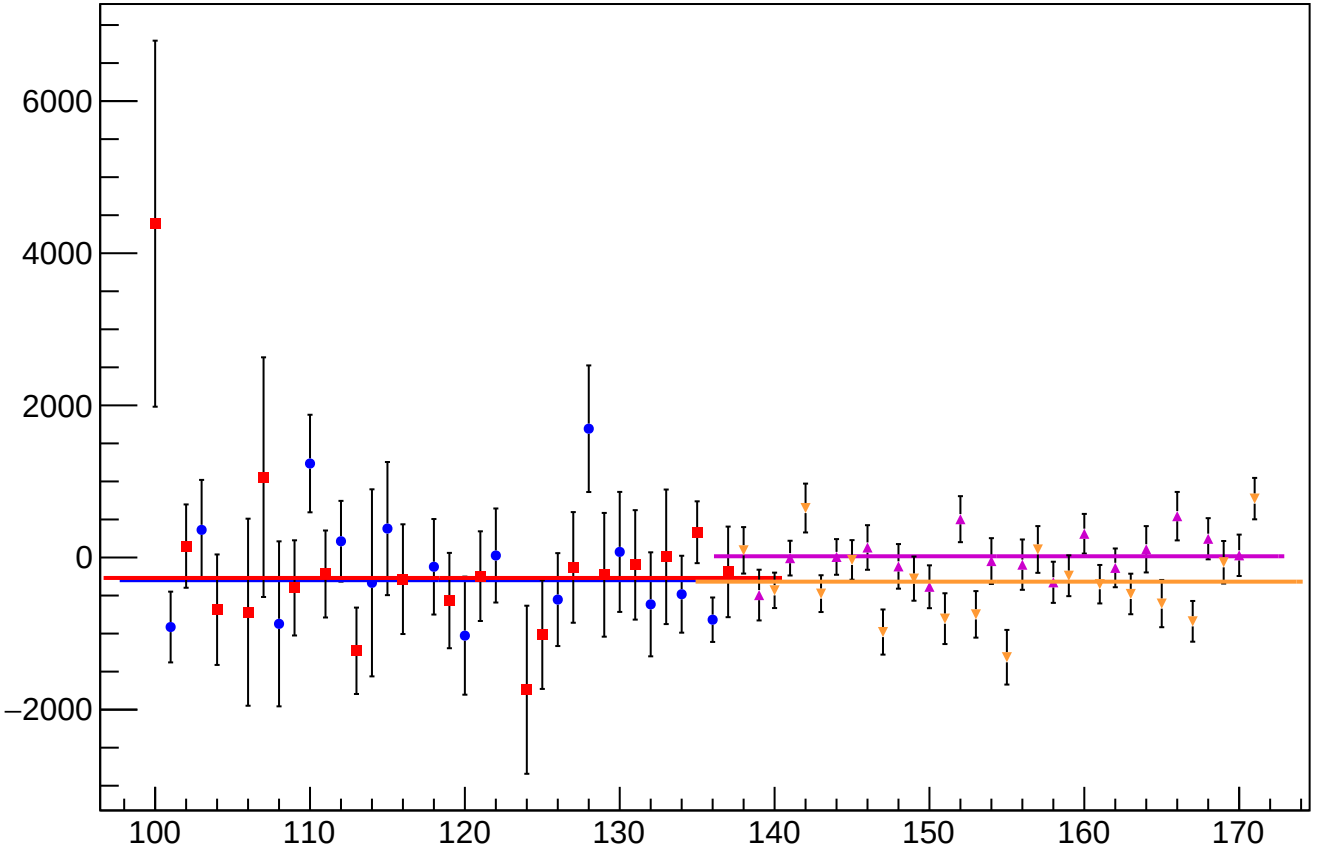
Left In: 334153.317+/-65.956 χ^2/NDF:514295.3/15

+ sign 395.219+/-0.245 χ^2/NDF: 39315040.4/32

All: 393.501+/-0.167 χ^2/NDF: 76511688.5/66

- sign 392.006+/-0.229 χ^2/NDF: 37196556.5/33

diff_cav4cX_mean vs Slug



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -317.504+/-66.499 χ^2/NDF:53.5/17

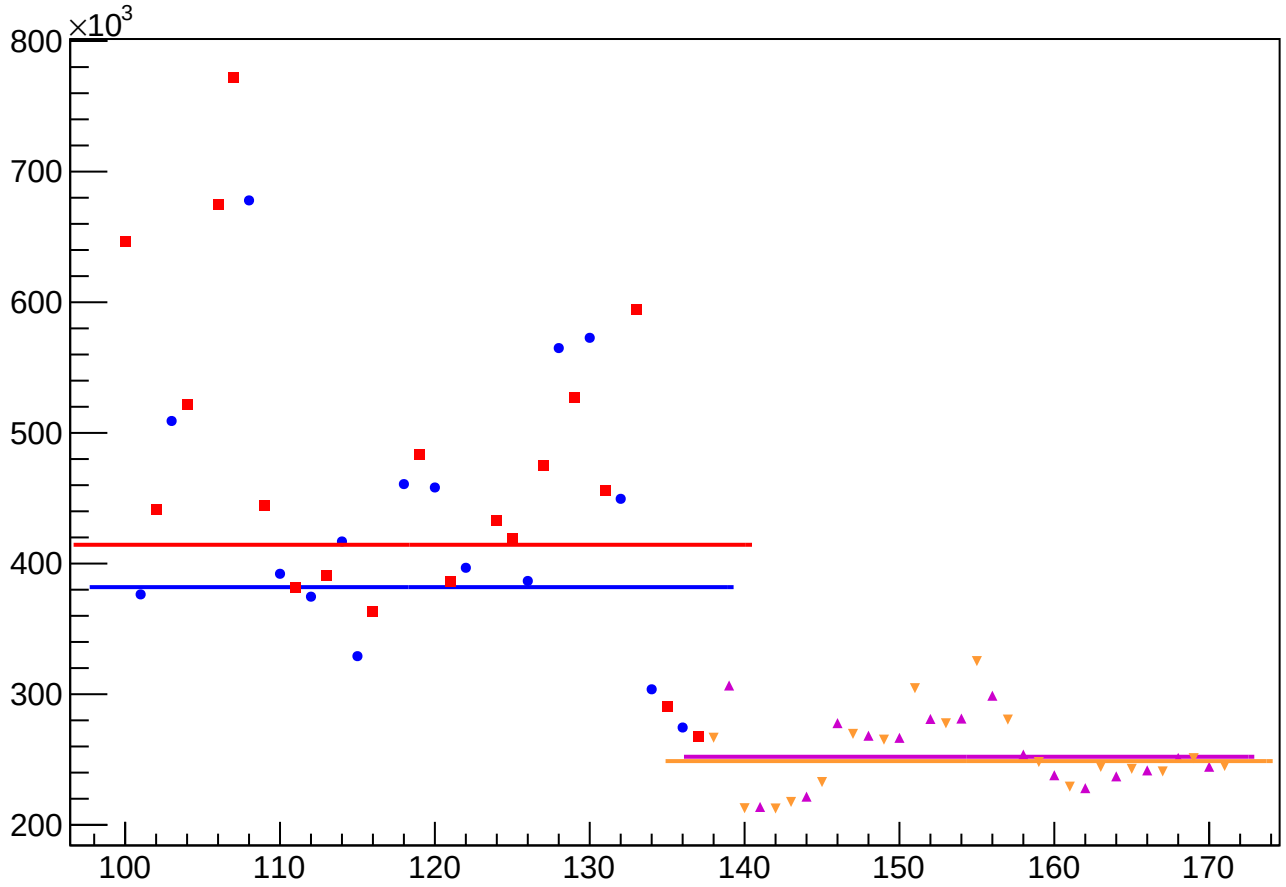
Right Out: -268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 16.236+/-69.853 χ^2/NDF:14.3/15

+ sign -314.249+/-60.613 χ^2/NDF: 74.6/33

All: -179.901+/-43.941 χ^2/NDF: 115.9/68

- sign -31.090+/-63.793 χ^2/NDF: 30.9/34



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 248809.860+/-47.022 χ^2/NDF:338977.0/17

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

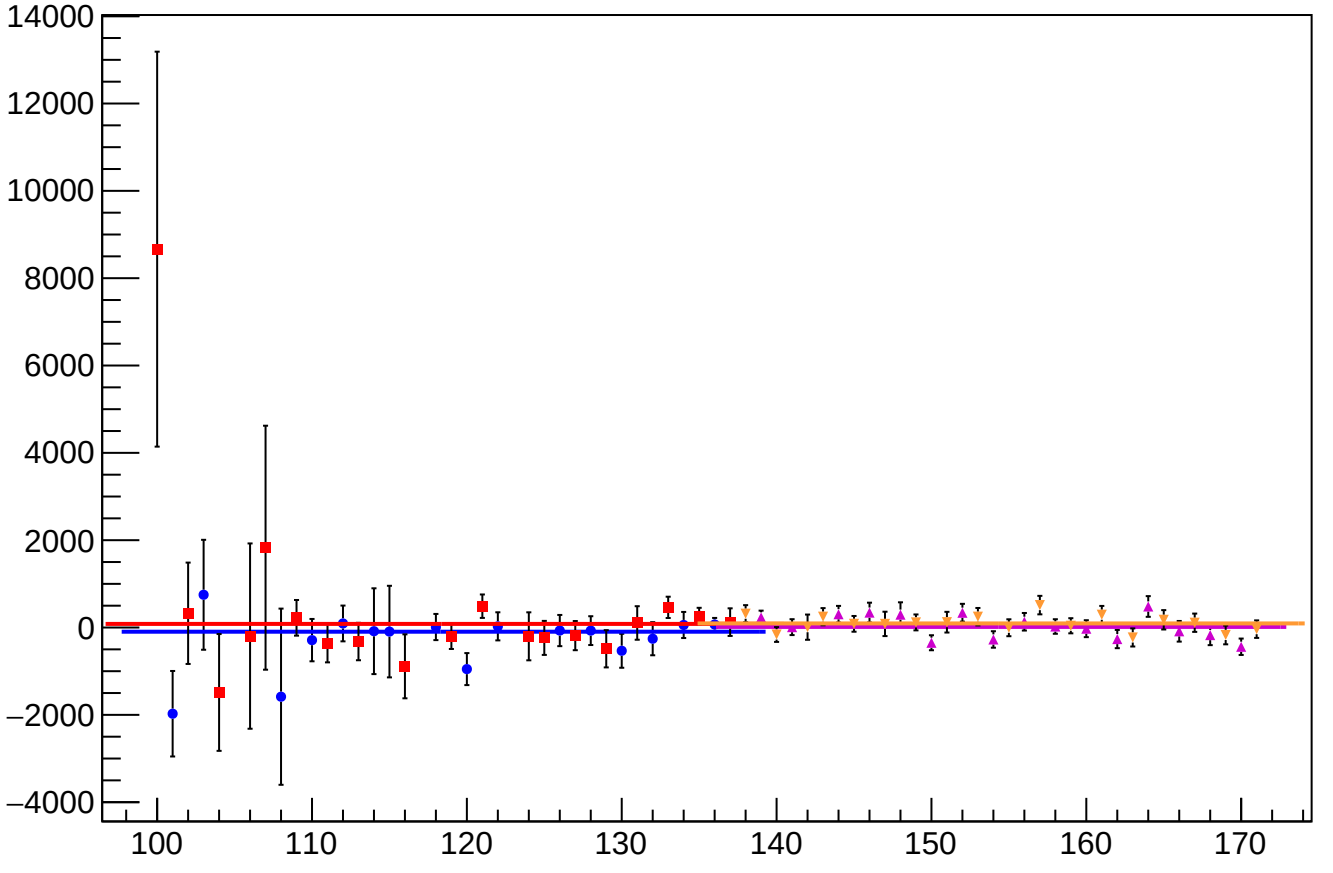
Left In: 252139.112+/-49.393 χ^2/NDF:280177.3/15

+ sign 271328.920+/-42.862 χ^2/NDF: 2531525.9/33

All: 274995.271+/-31.072 χ^2/NDF: 5377186.

- sign 279056.431+/-45.110 χ^2/NDF: 2830238.5/34

diff_cav4cY_mean vs Slug



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.734+/-47.937 χ^2/NDF:14.6/17

Right Out: 82.750+/-87.316 χ^2/NDF: 19.1/18

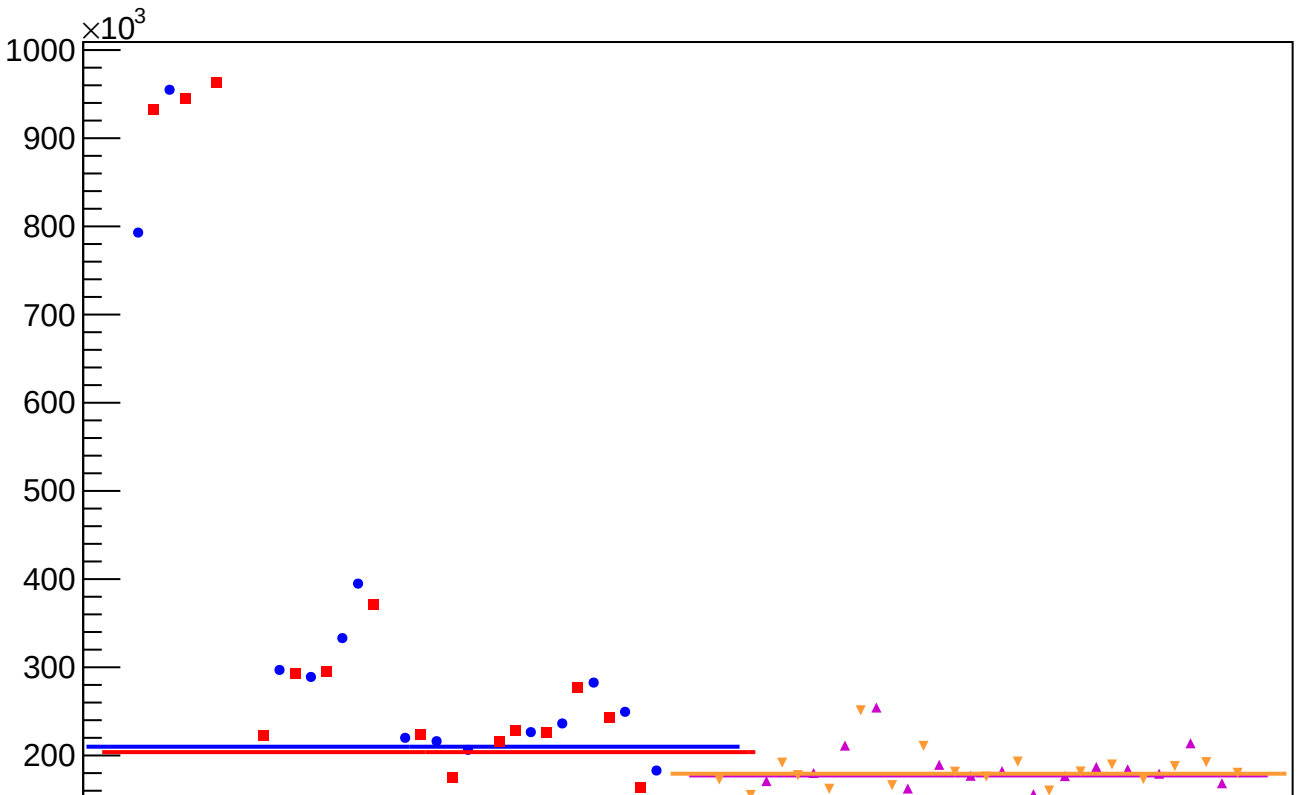
Left In: 14.086+/-49.370 χ^2/NDF:29.4/15

+ sign 50.552+/-42.126 χ^2/NDF: 31.9/33

All: 40.834+/-30.083 χ^2/NDF: 81.0/68

- sign 30.720+/-42.976 χ^2/NDF: 49.0/34

diff_cav4cY_rms vs Slug



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179301.897+/-33.897 χ^2/NDF:294216.3/17

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

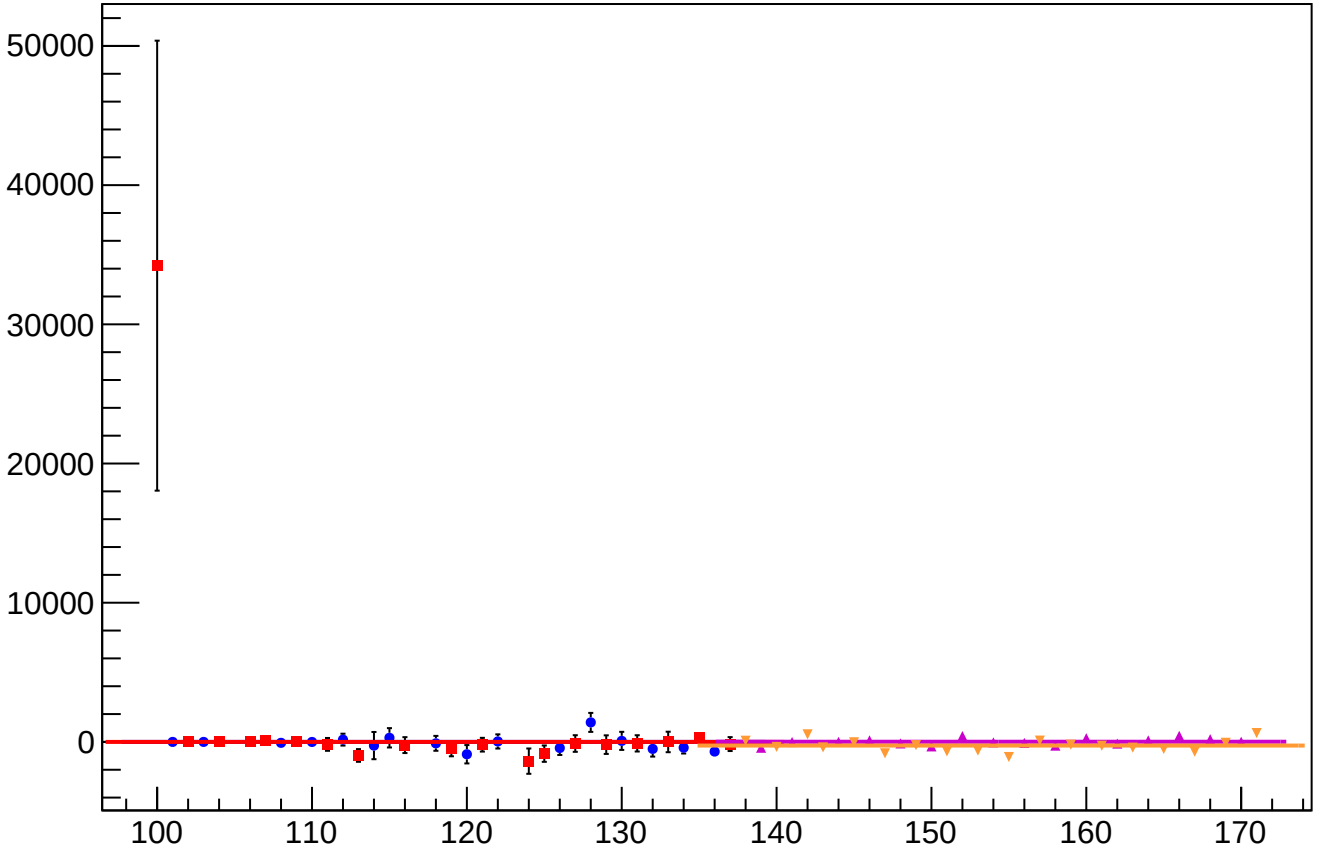
Left In: 177343.663+/-34.910 χ^2/NDF:413743.6/15

+ sign 186259.168+/-29.799 χ^2/NDF: 2439565.5/32

All: 185018.712+/-21.283 χ^2/NDF: 5065866.

- sign 183727.143+/-30.407 χ^2/NDF: 2622763.6/32

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -262.201+/-55.638 χ^2/NDF:53.3/17

Right Out: -0.355+/-0.160 χ^2/NDF: 16.5/18

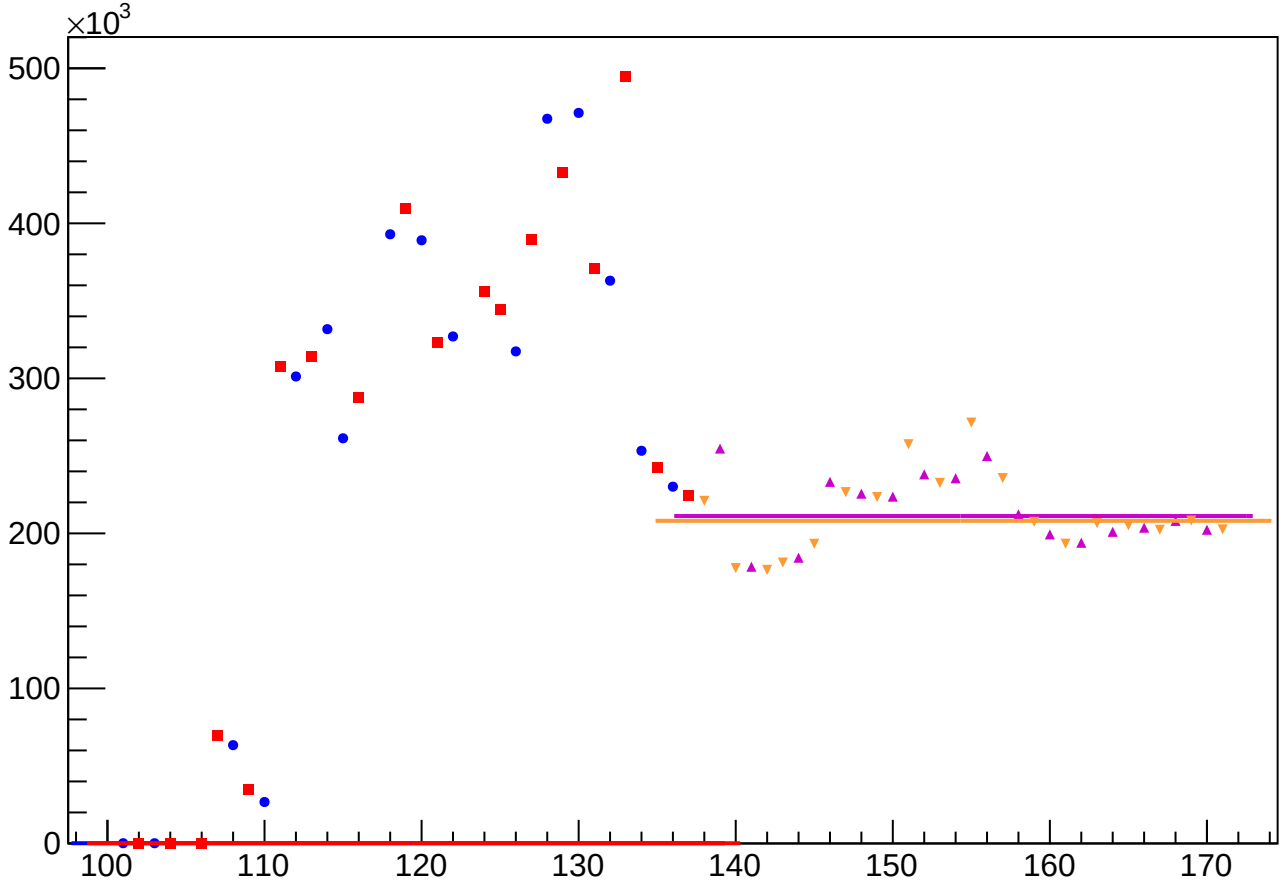
Left In: 12.416+/-58.514 χ^2/NDF:14.1/15

+ sign -0.038+/-0.172 χ^2/NDF: 93.6/33

All: -0.208+/-0.117 χ^2/NDF: 126.1/68

- sign -0.355+/-0.160 χ^2/NDF: 30.6/34

diff_cav4dX_rms vs Slug



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208121.055+/-39.342 χ^2/NDF:350646.1/17

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

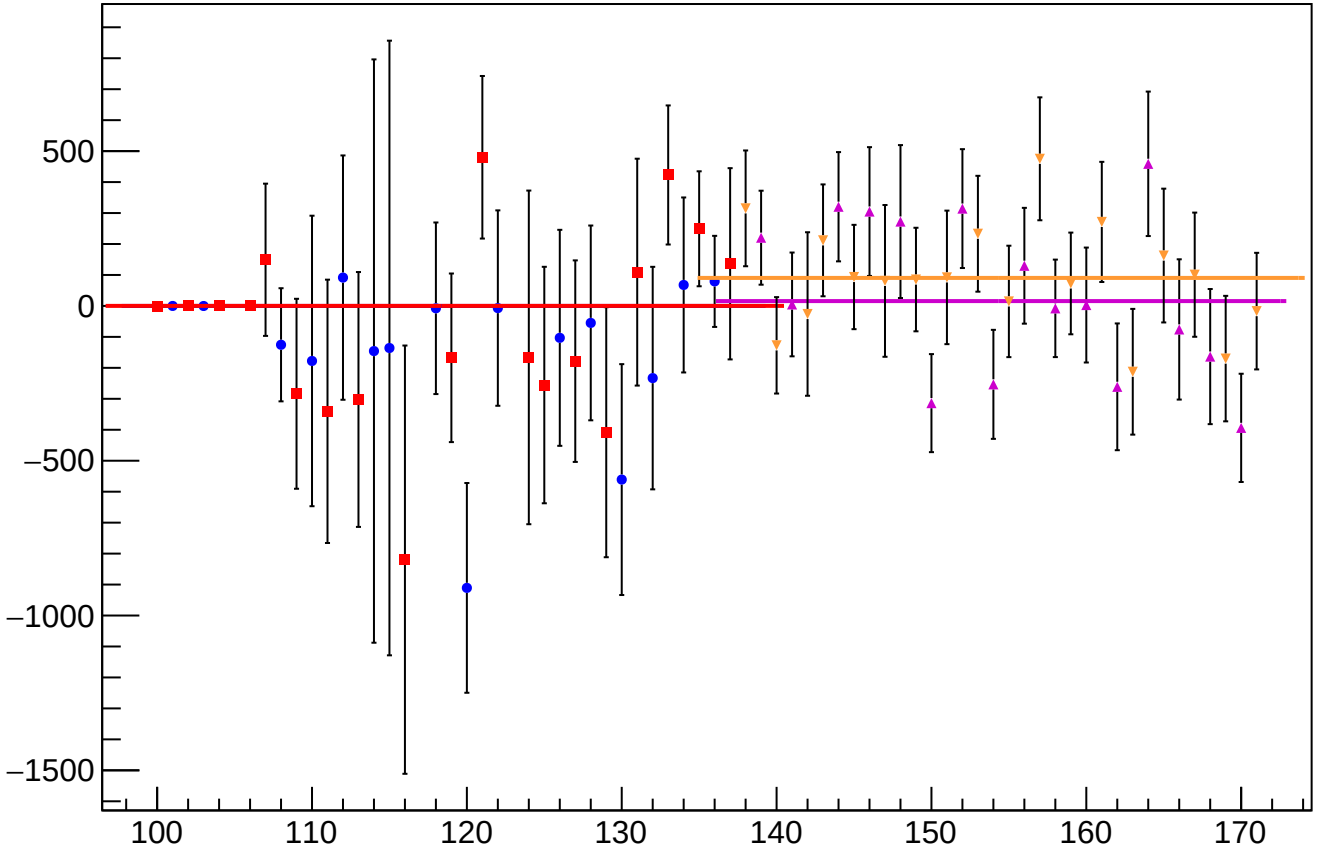
Left In: 211205.783+/-41.376 χ^2/NDF:281401.0/15

+ sign 151.086+/-0.122 χ^2/NDF: 39596393.0/33

All: 151.018+/-0.083 χ^2/NDF: 77185883.7/67

- sign 150.959+/-0.113 χ^2/NDF: 37589490.1/33

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 90.470+/-44.924 χ^2/NDF:13.8/17

Right Out: 0.126+/-0.166 χ^2/NDF: 15.2/18

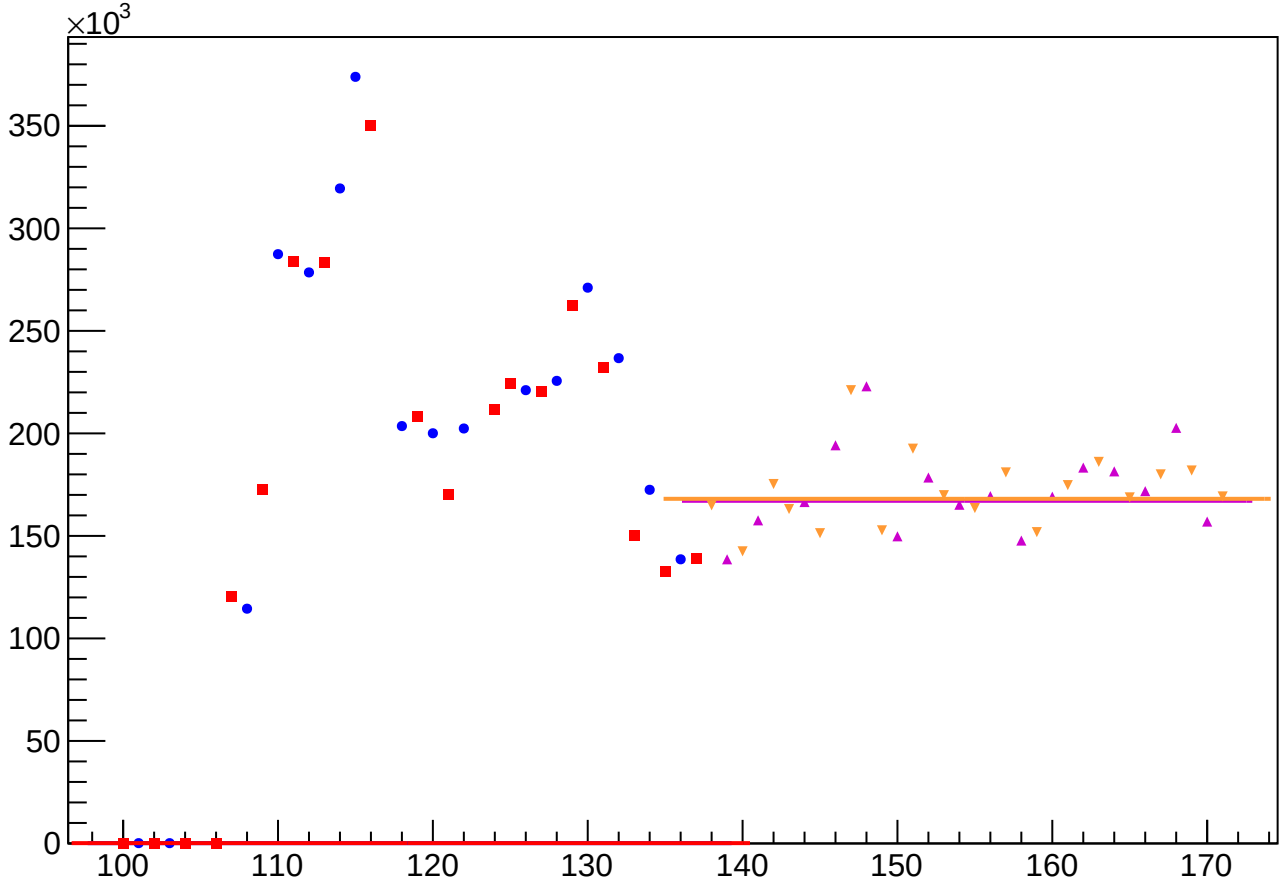
Left In: 15.624+/-46.459 χ^2/NDF:29.1/15

+ sign -0.067+/-0.177 χ^2/NDF: 29.0/33

All: 0.036+/-0.121 χ^2/NDF: 74.1/68

- sign 0.126+/-0.166 χ^2/NDF: 44.4/34

diff_cav4dY_rms vs Slug



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168091.259+/-31.766 χ^2/NDF:277578.2/17

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

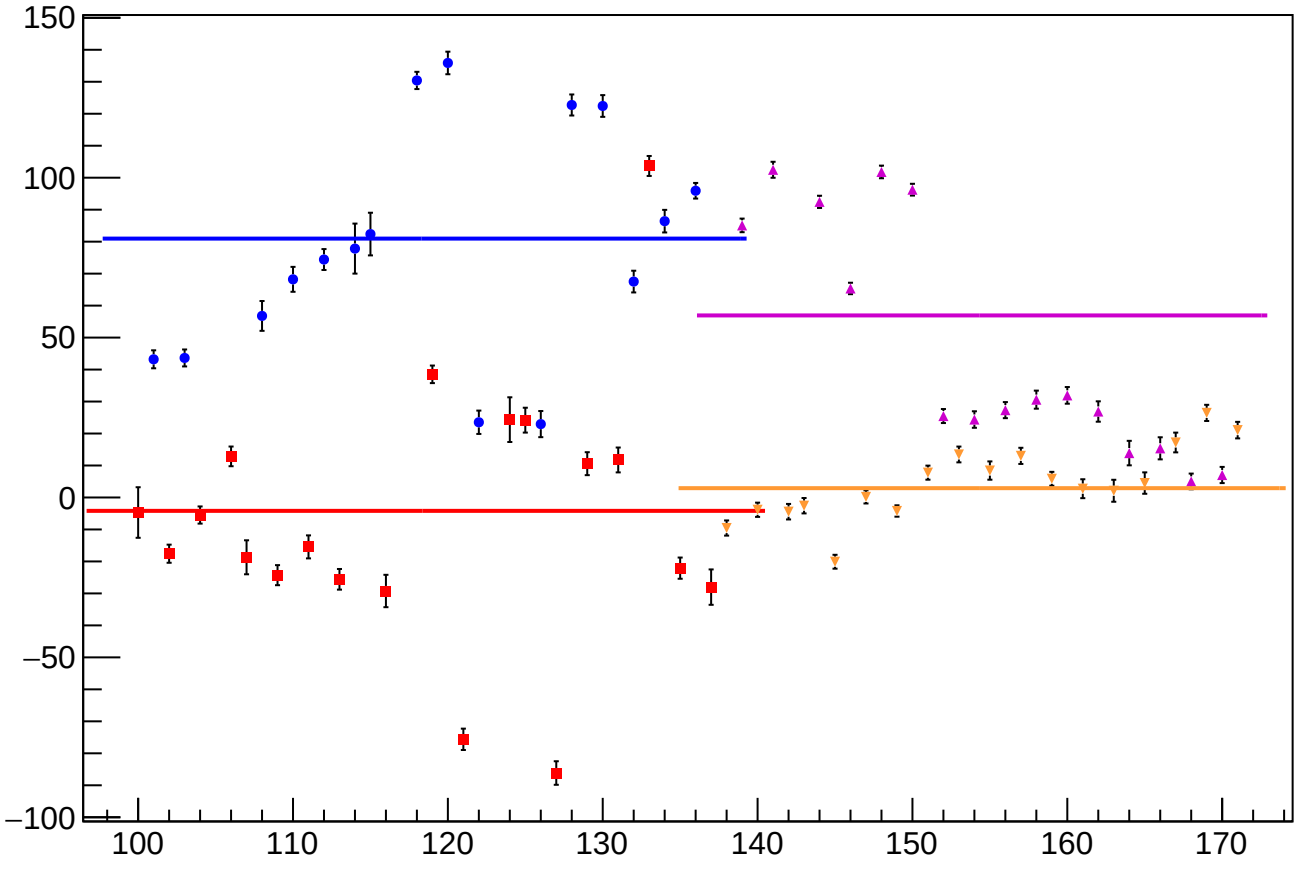
Left In: 167120.732+/-32.852 χ^2/NDF:356221.5/15

+ sign 156.074+/-0.125 χ^2/NDF: 40131392.8/33

All: 157.257+/-0.086 χ^2/NDF: 77648866.6/68

- sign 158.302+/-0.118 χ^2/NDF: 37517305.9/34

diff_bpm0i01X_mean vs Slug



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 2.912+/-0.573 χ^2/NDF:383.7/17

Right Out: -4.183+/-0.820 χ^2/NDF: 2719.7/18

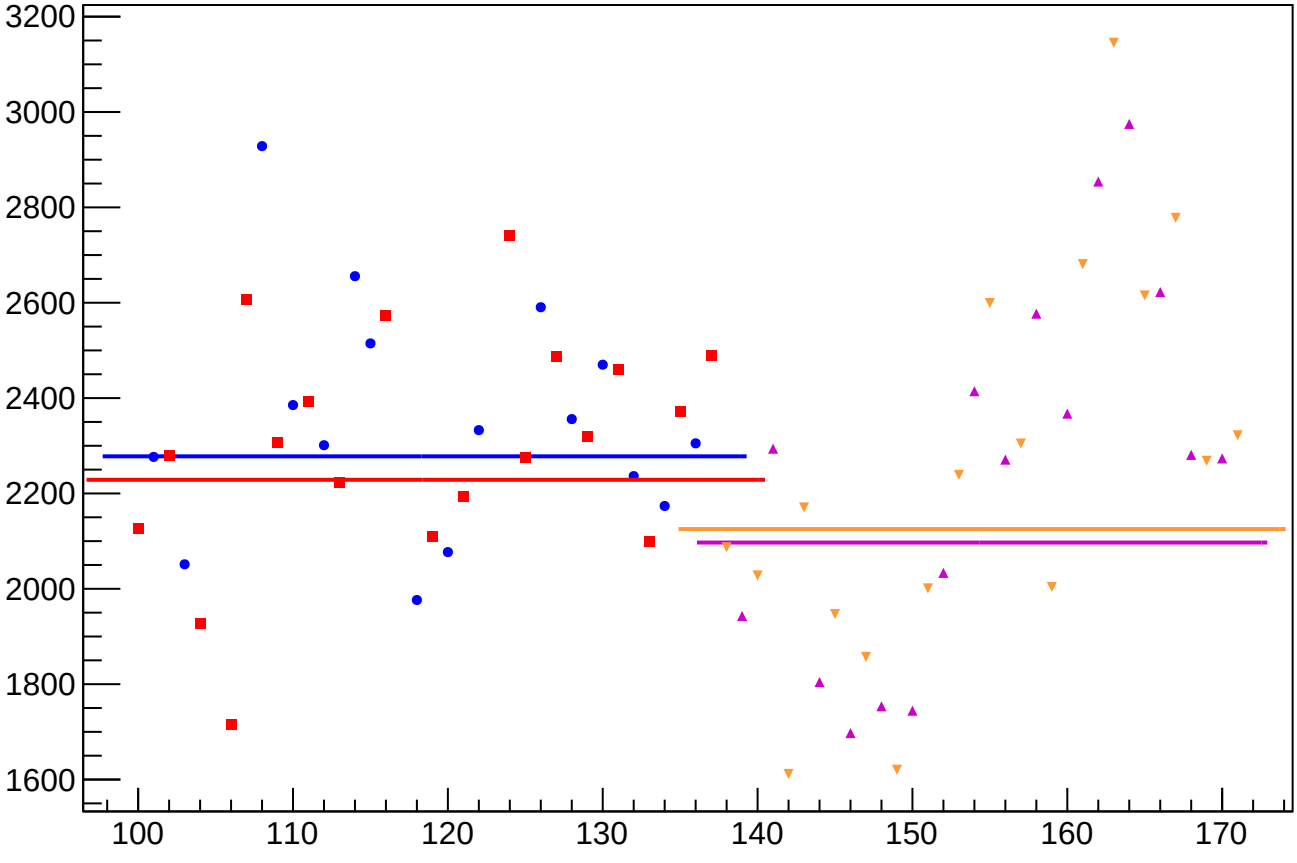
Left In: 56.928+/-0.590 χ^2/NDF:3720.9/15

\+ sign 27.216+/-0.475 χ^2/NDF: 7982.6/33

All: 31.626+/-0.337 χ^2/NDF: 18257.4/68

\- sign 36.104+/-0.479 χ^2/NDF: 10101.2/34

diff_bpm0i01X_rms vs Slug



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2125.334+/-0.405 χ^2/NDF:782078.2/17

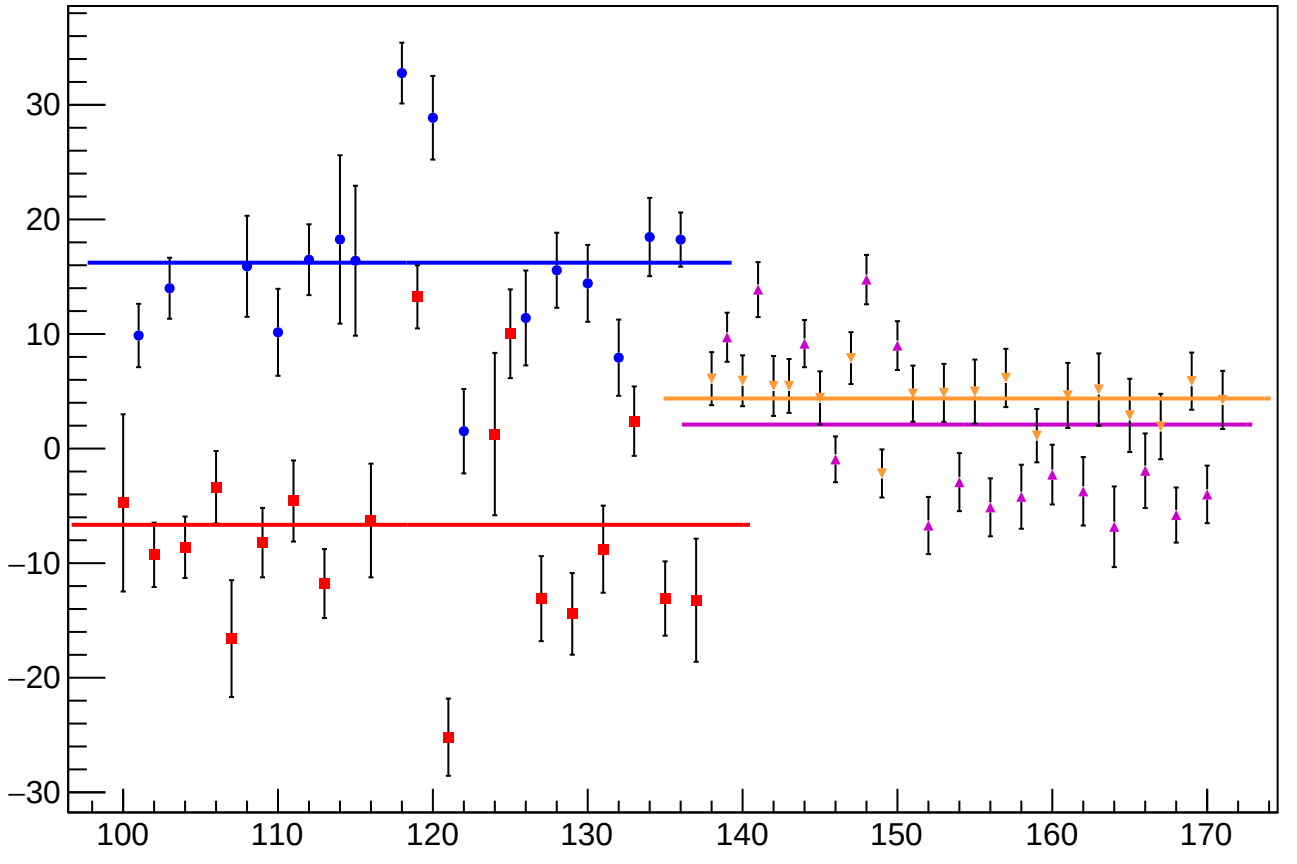
Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2097.049+/-0.417 χ^2/NDF:708603.3/15

+ sign 2172.835+/-0.336 χ^2/NDF: 942046.7/33

All: 2157.488+/-0.238 χ^2/NDF: 1839961.3/68

- sign 2141.908+/-0.339 χ^2/NDF: 893709.7/34



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.373+/-0.590 χ^2/NDF:17.5/17

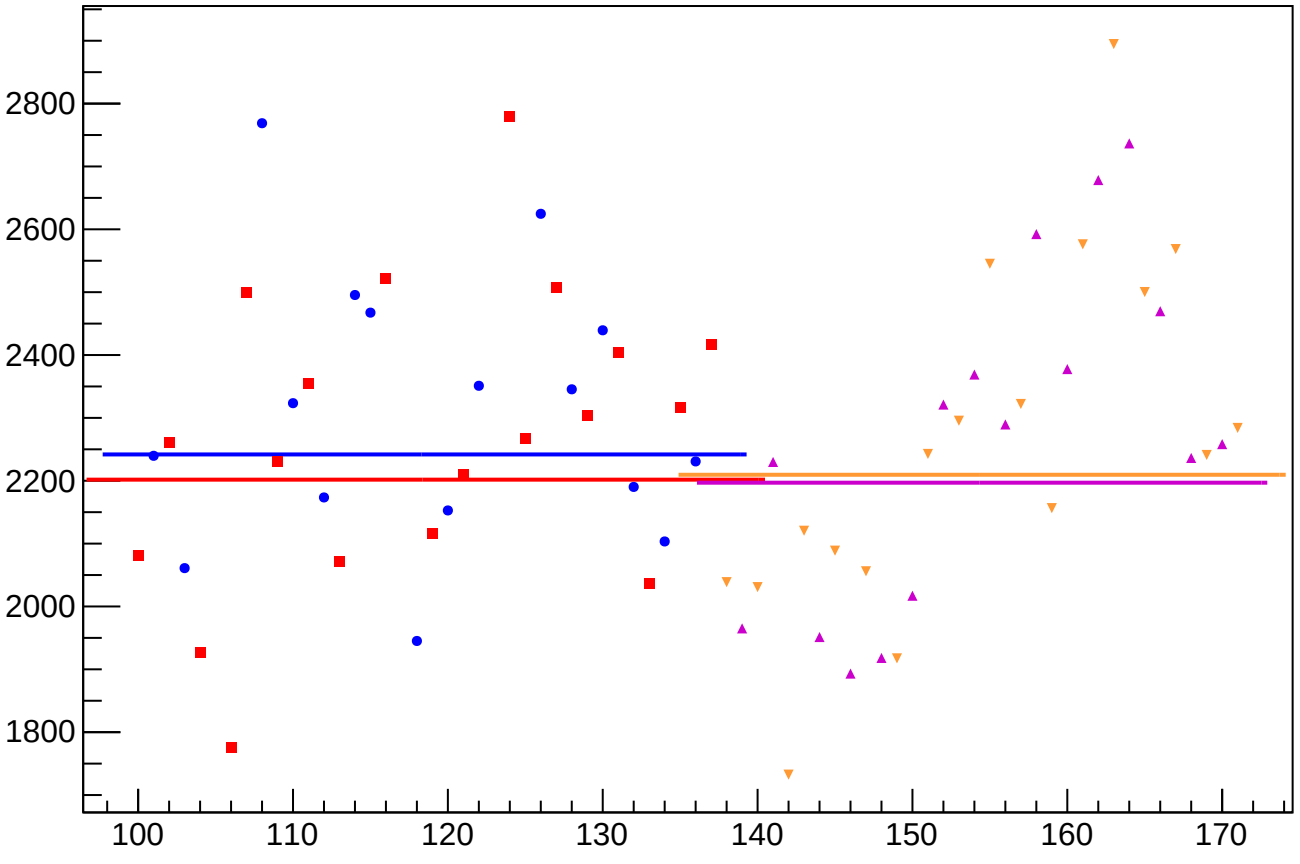
Right Out: -6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: 2.096+/-0.611 χ^2/NDF:156.6/15

+ sign 8.302+/-0.482 χ^2/NDF: 235.9/33

All: 3.663+/-0.343 χ^2/NDF: 788.7/68

- sign -1.080+/-0.488 χ^2/NDF: 365.6/34



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2209.517+/-0.417 χ^2/NDF:360556.1/17

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

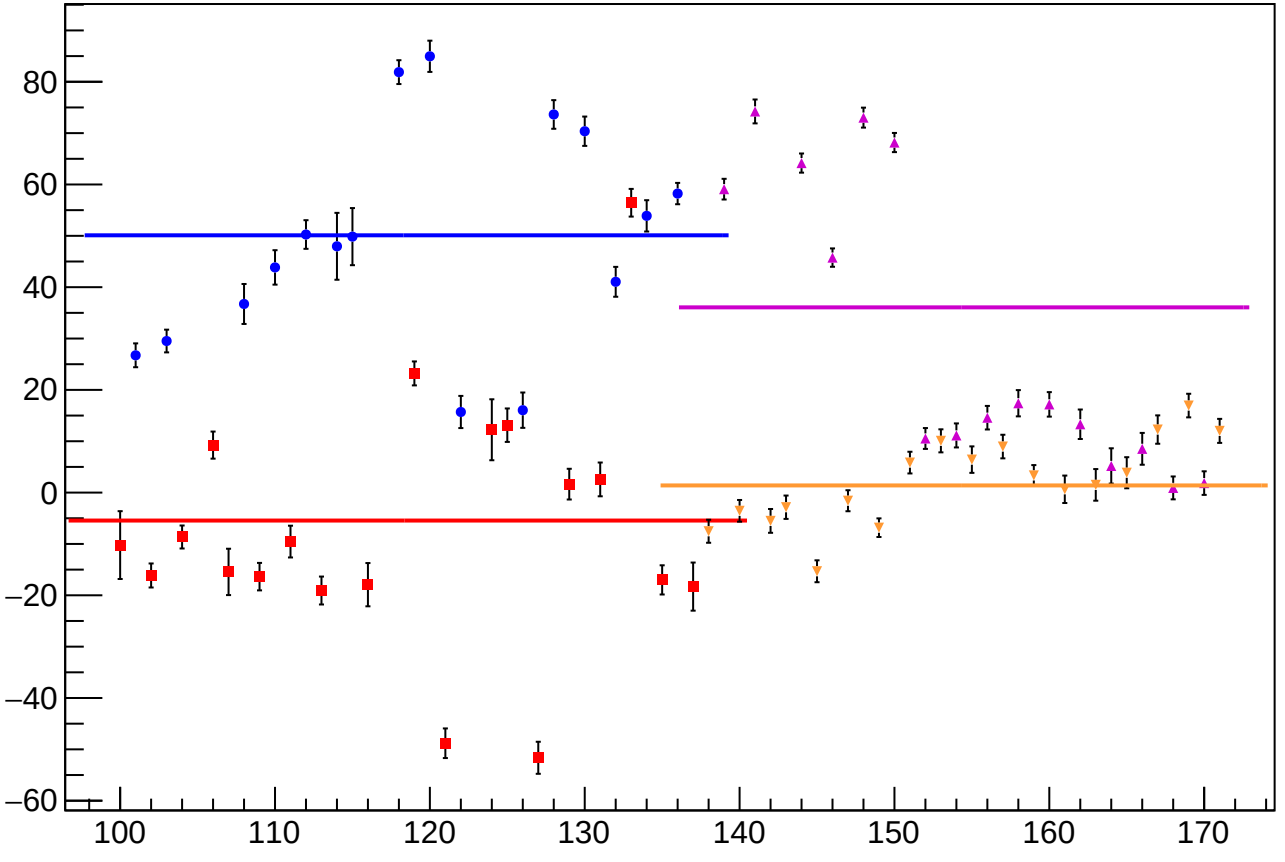
Left In: 2196.894+/-0.432 χ^2/NDF:327346.7/15

+ sign 2220.236+/-0.341 χ^2/NDF: 464809.3/33

All: 2209.564+/-0.242 χ^2/NDF: 924065.1/68

- sign 2198.653+/-0.345 χ^2/NDF: 457274.9/34

diff_bpm0i01aX_mean vs Slug



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 1.394+/-0.540 χ^2/NDF:235.6/17

Right Out: -5.444+/-0.694 χ^2/NDF: 1311.6/18

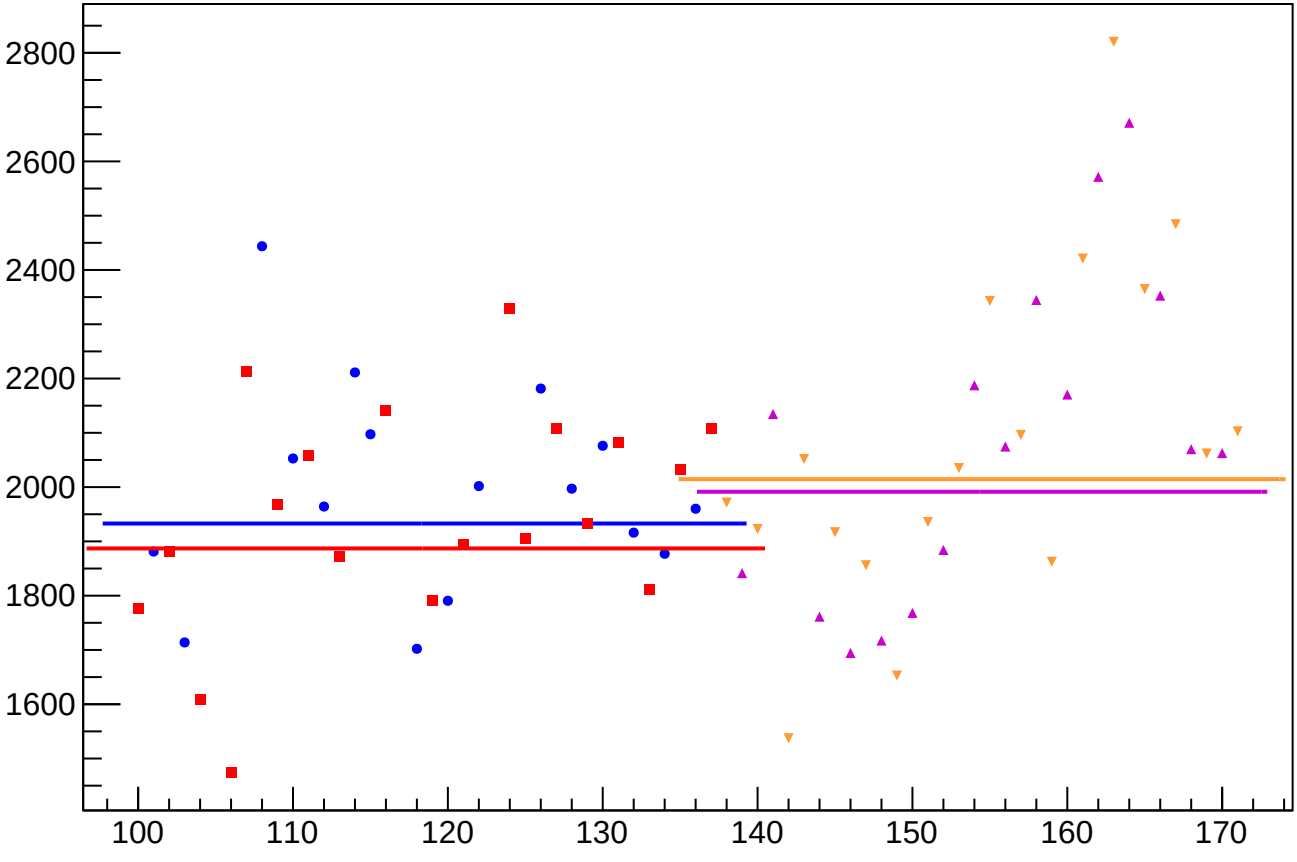
Left In: 36.070+/-0.557 χ^2/NDF:2482.1/15

+ sign 18.849+/-0.432 χ^2/NDF: 4043.4/33

All: 19.336+/-0.306 χ^2/NDF: 10016.2/68

- sign 19.827+/-0.434 χ^2/NDF: 5970.2/34

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2014.636+/-0.382 χ^2/NDF:506380.3/17

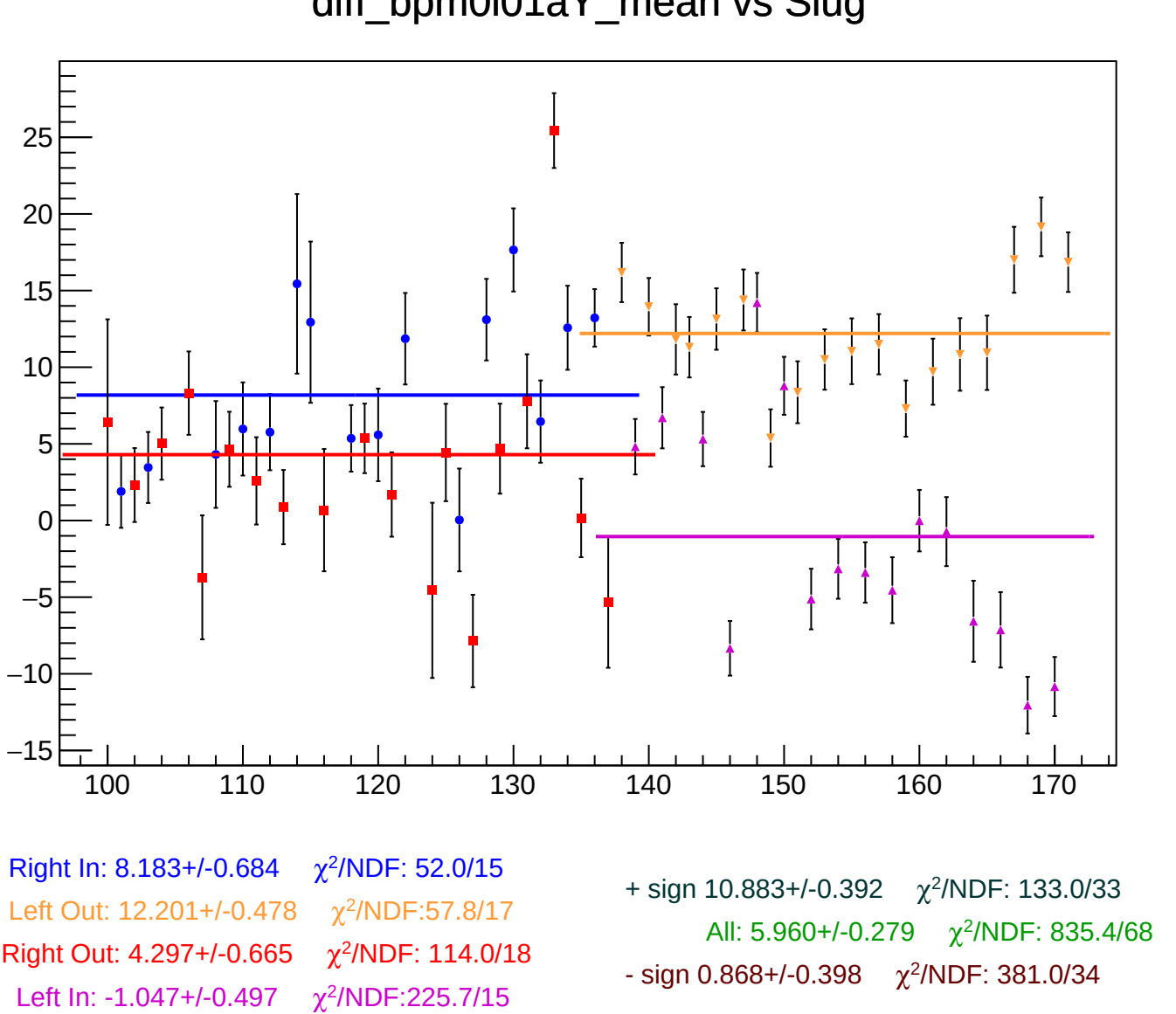
Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1991.432+/-0.394 χ^2/NDF:435739.1/15

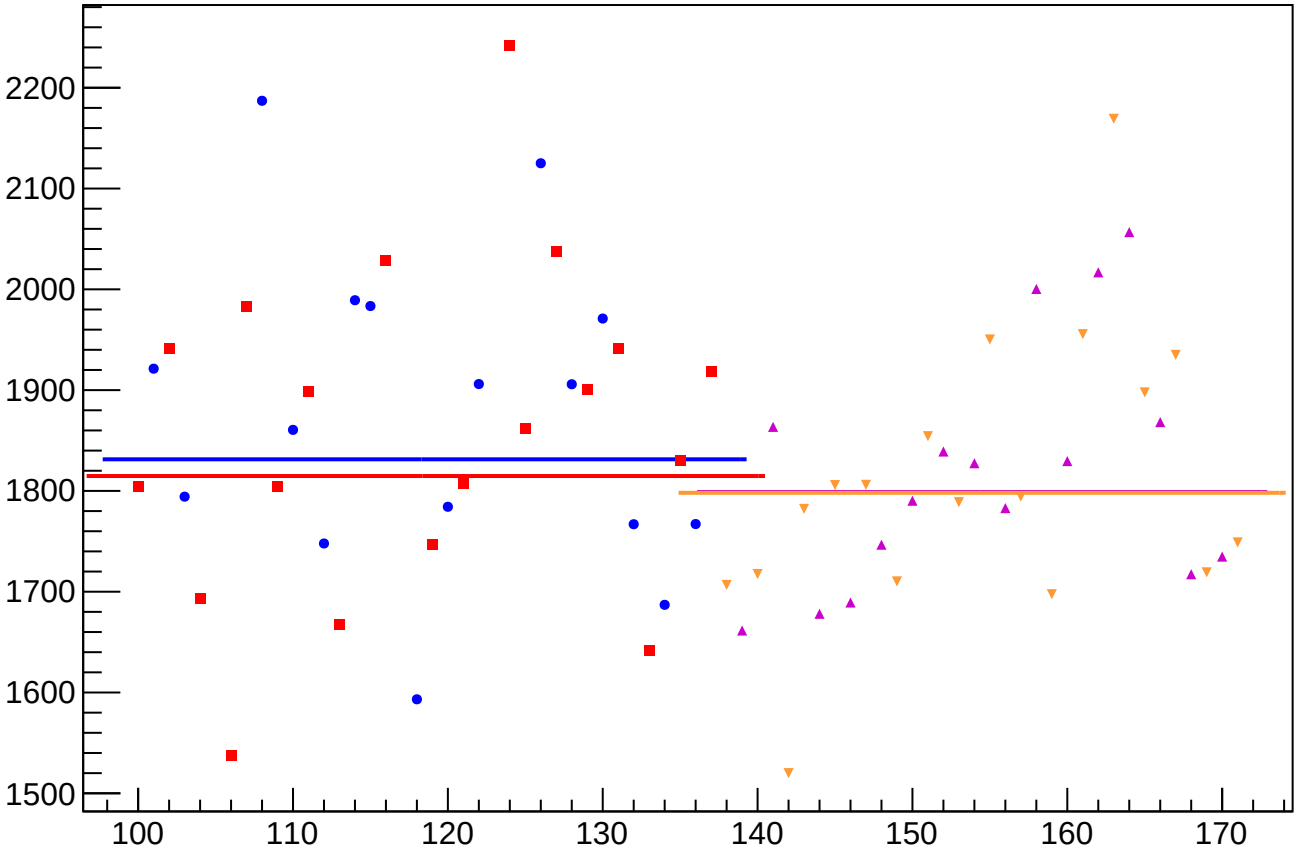
+ sign 1985.348+/-0.306 χ^2/NDF: 628787.3/33

All: 1968.041+/-0.217 χ^2/NDF: 1248258.3/68

- sign 1950.574+/-0.307 χ^2/NDF: 613029.7/34


diff_bpm0i01aY_mean vs Slug
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 8.183+/-0.684 χ²/NDF: 52.0/15
Left Out: 12.201+/-0.478 χ²/NDF:57.8/17
Right Out: 4.297+/-0.665 χ²/NDF: 114.0/18
Left In: -1.047+/-0.497 χ²/NDF:225.7/15
+ sign 10.883+/-0.392 χ²/NDF: 133.0/33
All: 5.960+/-0.279 χ²/NDF: 835.4/68
- sign 0.868+/-0.398 χ²/NDF: 381.0/34

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1798.139+/-0.338 χ^2/NDF:135923.5/17

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

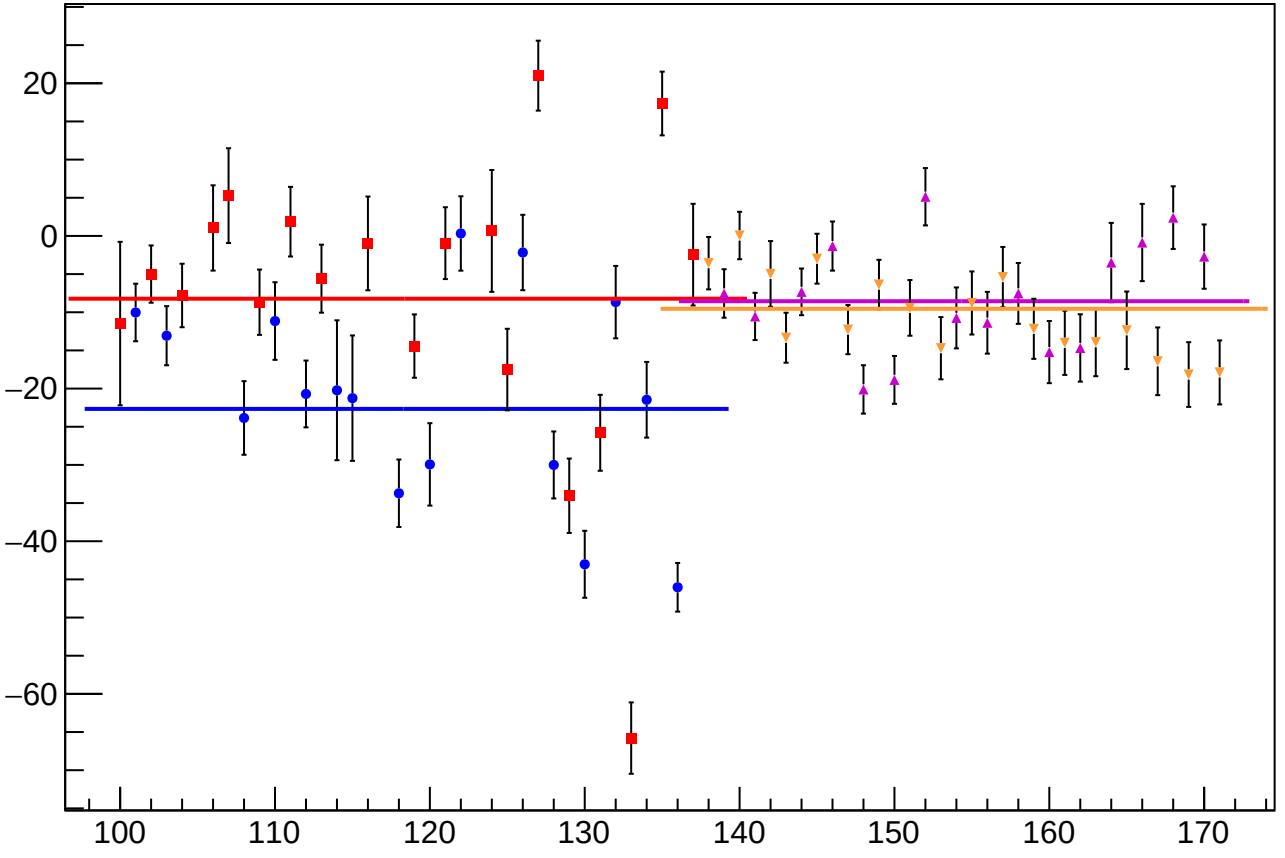
Left In: 1798.936+/-0.352 χ^2/NDF:96914.5/15

+ sign 1809.042+/-0.277 χ^2/NDF: 226016.2/33

All: 1806.864+/-0.197 χ^2/NDF: 414522.1/68

- sign 1804.611+/-0.282 χ^2/NDF: 188380.1/34

diff_bpm0l01X_mean vs Slug



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -9.544+/-0.894 χ^2/NDF:36.8/17

Right Out: -8.224+/-1.129 χ^2/NDF: 294.8/18

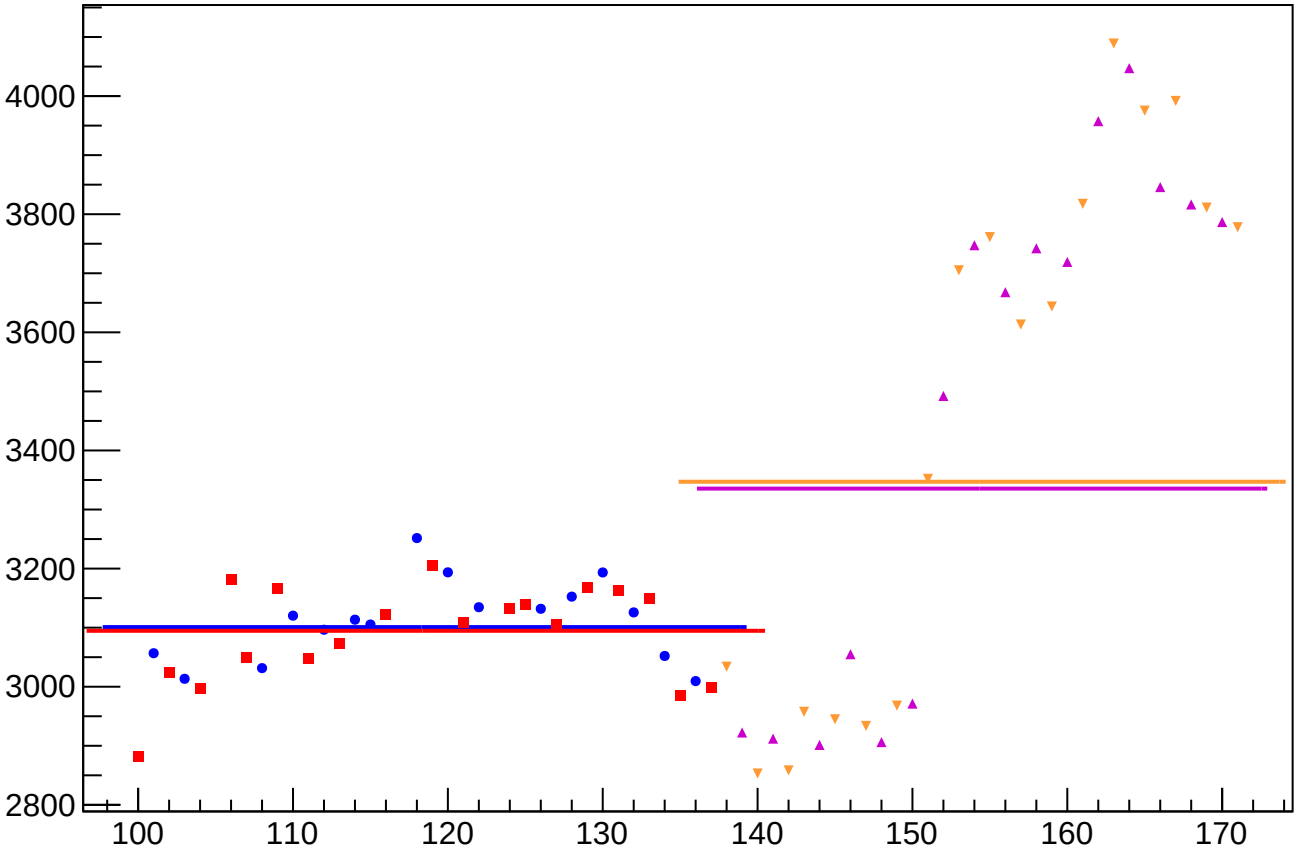
Left In: -8.553+/-0.925 χ^2/NDF:60.9/15

+ sign -14.474+/-0.706 χ^2/NDF: 274.9/33

All: -11.487+/-0.503 χ^2/NDF: 667.0/68

- sign -8.421+/-0.715 χ^2/NDF: 355.7/34

diff_bpm0l01X_rms vs Slug



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3347.045+/-0.632 χ^2/NDF:466027.0/17

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

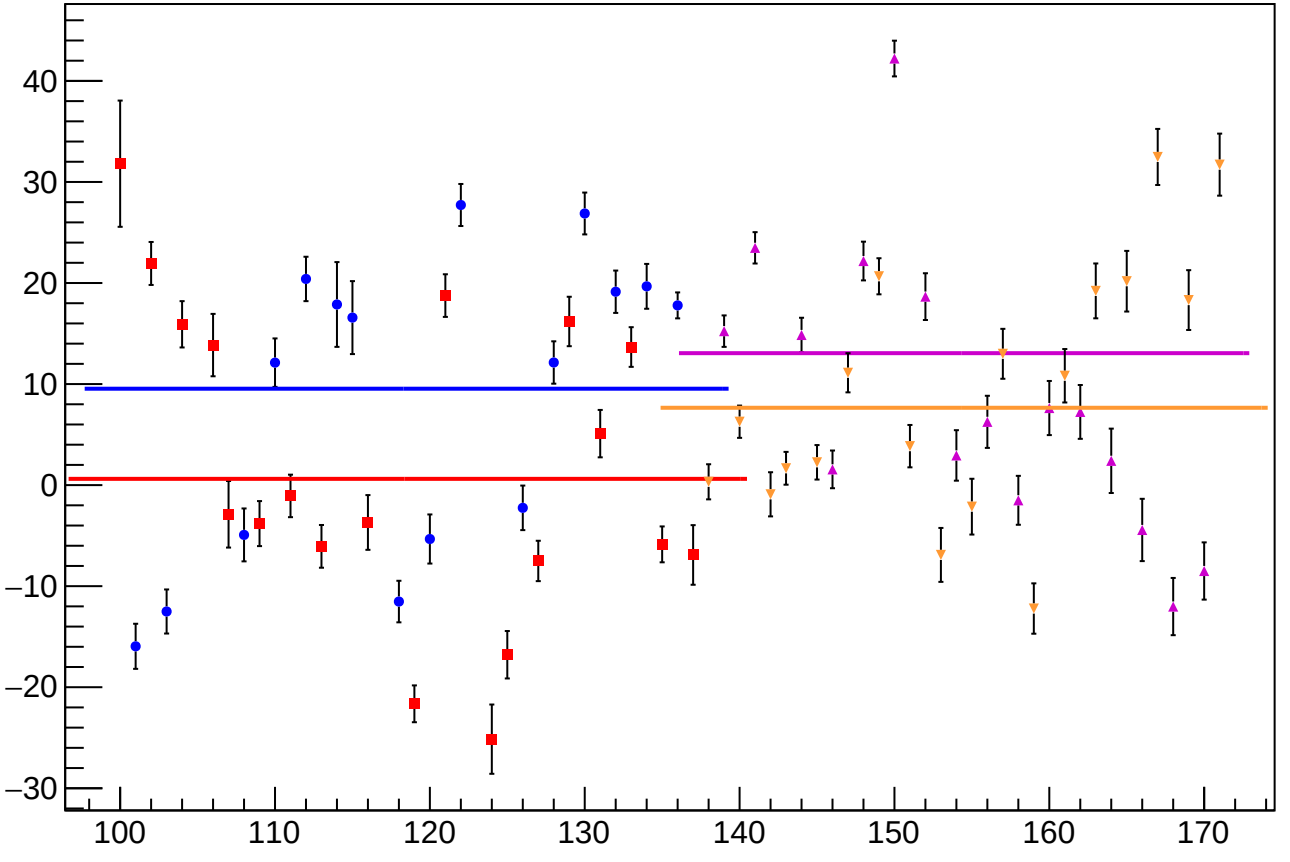
Left In: 3335.430+/-0.654 χ^2/NDF:415233.1/15

+ sign 3254.555+/-0.499 χ^2/NDF: 530901.6/33

All: 3246.751+/-0.355 χ^2/NDF: 1009647.8/68

- sign 3238.741+/-0.506 χ^2/NDF: 478251.2/34

diff_bpm0l01Y_mean vs Slug



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 7.654+/-0.513 χ^2/NDF:419.0/17

Right Out: 0.620+/-0.534 χ^2/NDF: 665.8/18

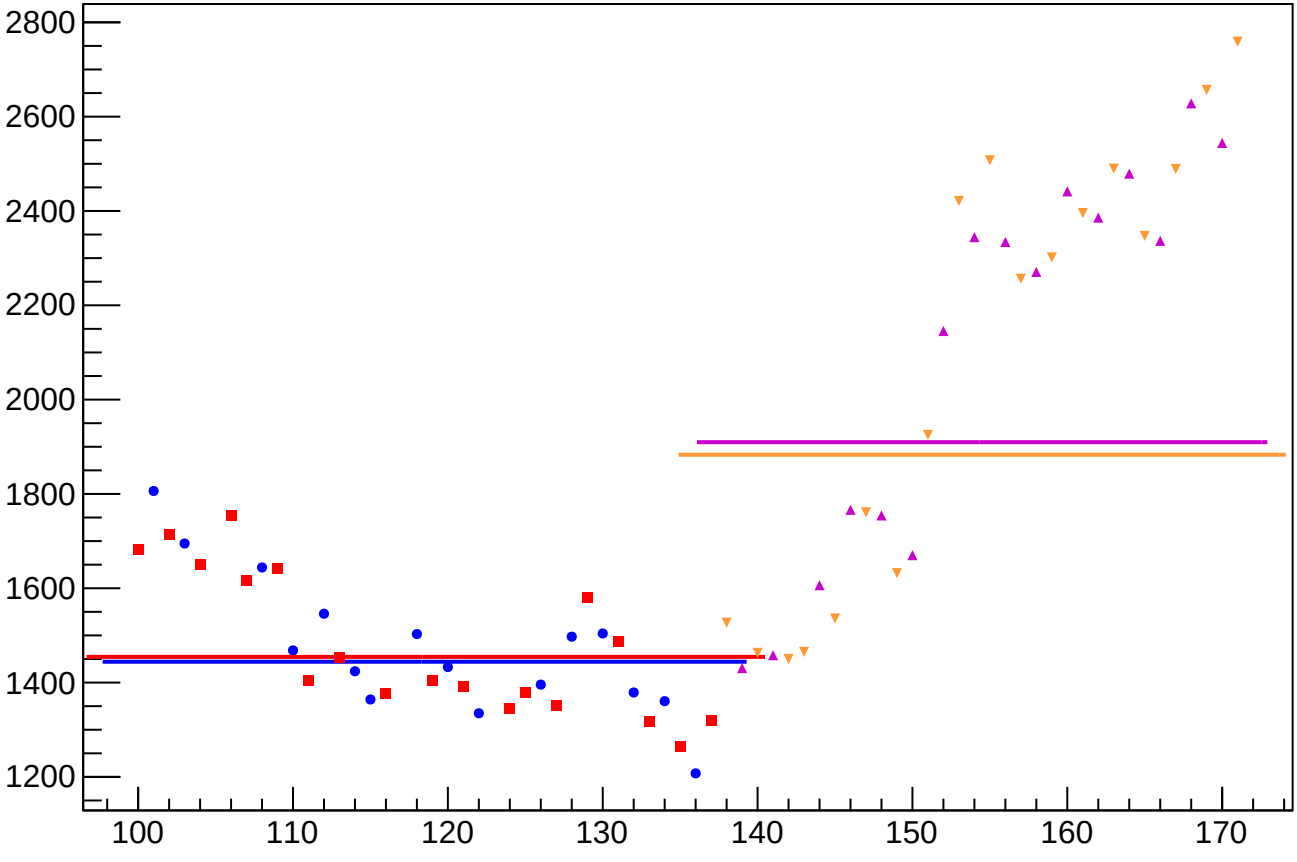
Left In: 13.058+/-0.538 χ^2/NDF:635.0/15

+ sign 8.547+/-0.372 χ^2/NDF: 1124.2/33

All: 7.685+/-0.266 χ^2/NDF: 2705.0/68

- sign 6.793+/-0.379 χ^2/NDF: 1570.0/34

diff_bpm0l01Y_rms vs Slug



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1883.190+/-0.363 χ^2/NDF:1467903.7/17

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

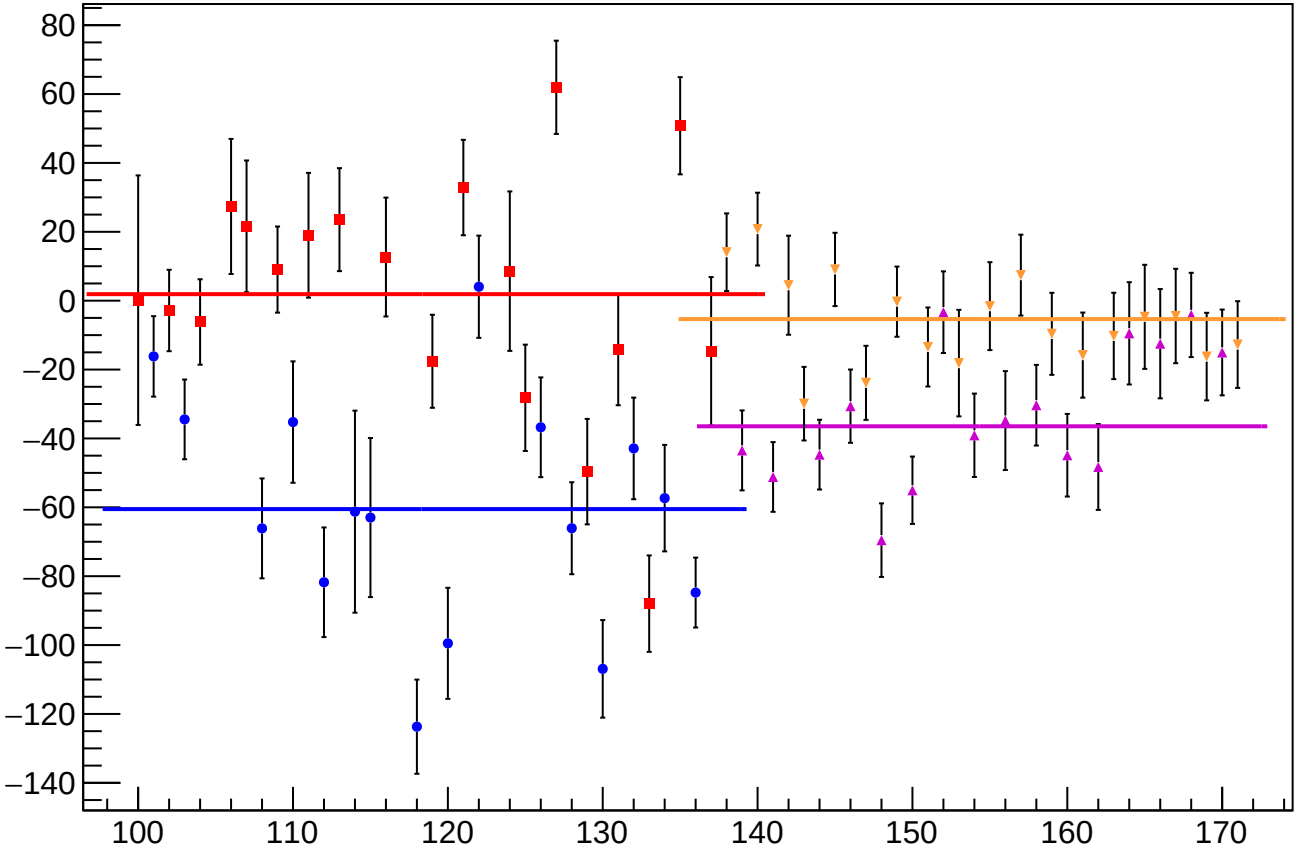
Left In: 1909.787+/-0.380 χ^2/NDF:1138042.2/15

+ sign 1675.439+/-0.263 χ^2/NDF: 2341000.3/33

All: 1677.896+/-0.188 χ^2/NDF: 4343331.2/68

- sign 1680.442+/-0.268 χ^2/NDF: 2002153.7/34

diff_bpm0l02X_mean vs Slug



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -5.347+/-2.830 χ^2/NDF:24.4/17

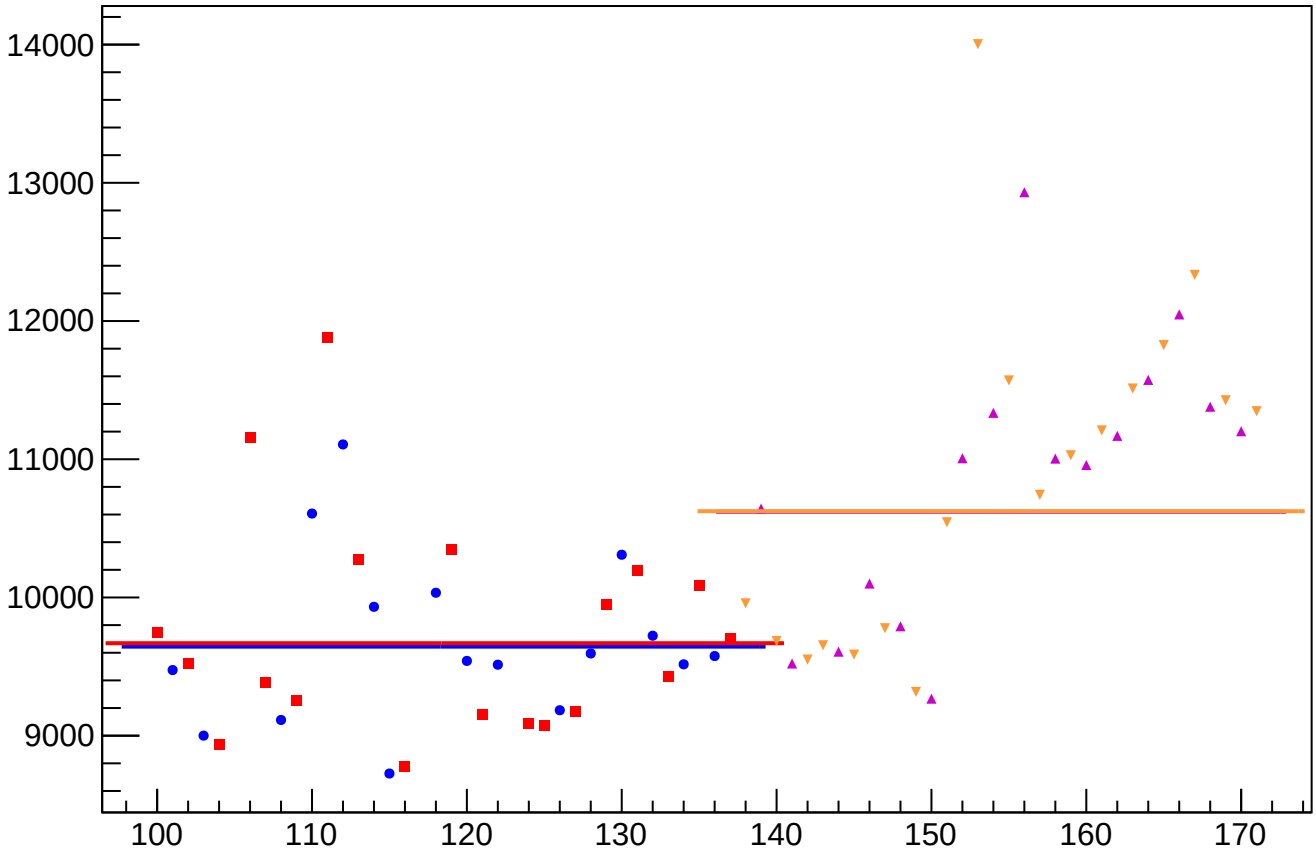
Right Out: 1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: -36.475+/-2.935 χ^2/NDF:41.7/15

+ sign -26.446+/-2.224 χ^2/NDF: 260.1/33

All: -23.698+/-1.585 χ^2/NDF: 478.3/68

- sign -20.860+/-2.260 χ^2/NDF: 215.1/34



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10624.087+/-2.001 χ^2/NDF:296696.8/17

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

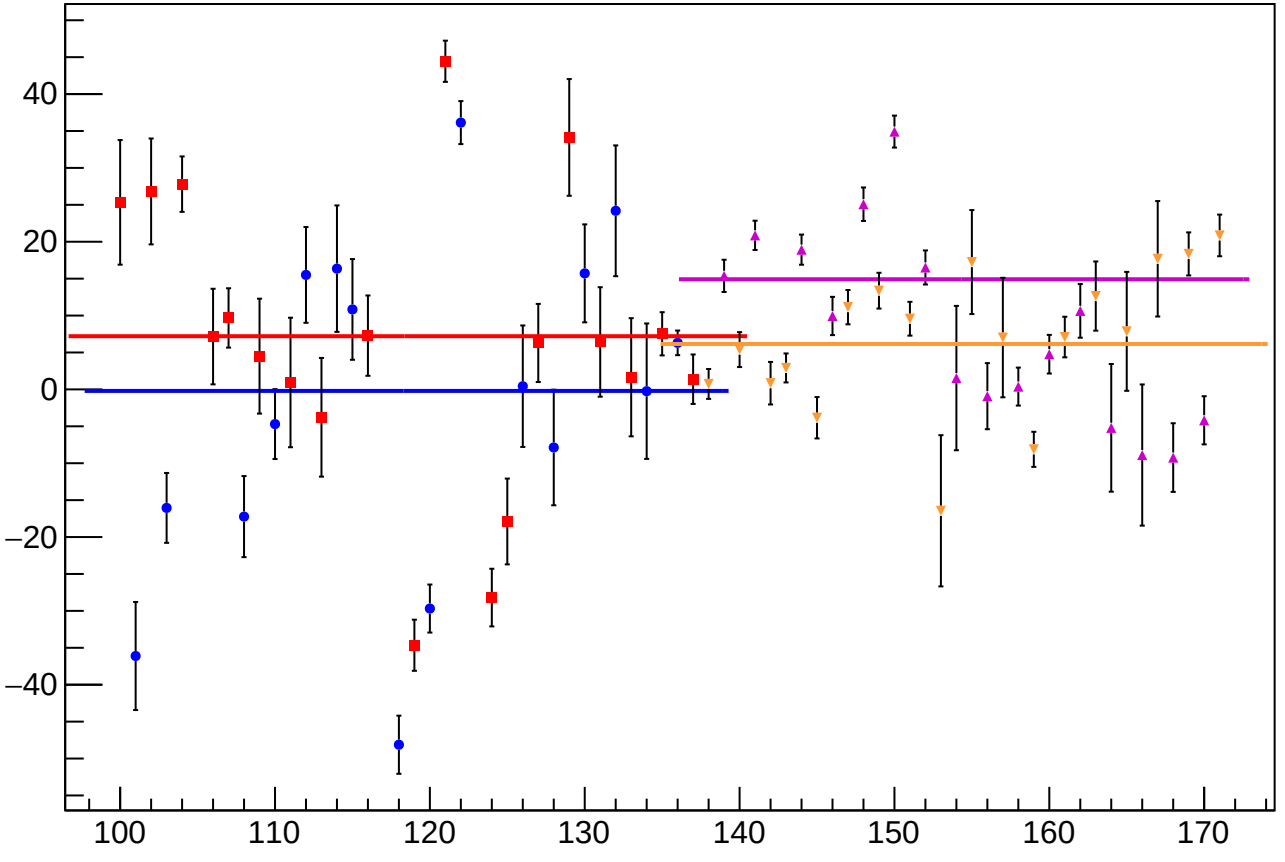
Left In: 10619.914+/-2.075 χ^2/NDF:203662.2/15

\+ sign 10249.411+/-1.573 χ^2/NDF: 432459.5/33

All: 10241.321+/-1.121 χ^2/NDF: 801472.9/68

\- sign 10232.965+/-1.598 χ^2/NDF: 368959.5/34

diff_bpm0l02Y_mean vs Slug



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.154+/-0.682 χ^2/NDF:134.2/17

Right Out: 7.206+/-1.074 χ^2/NDF: 485.6/18

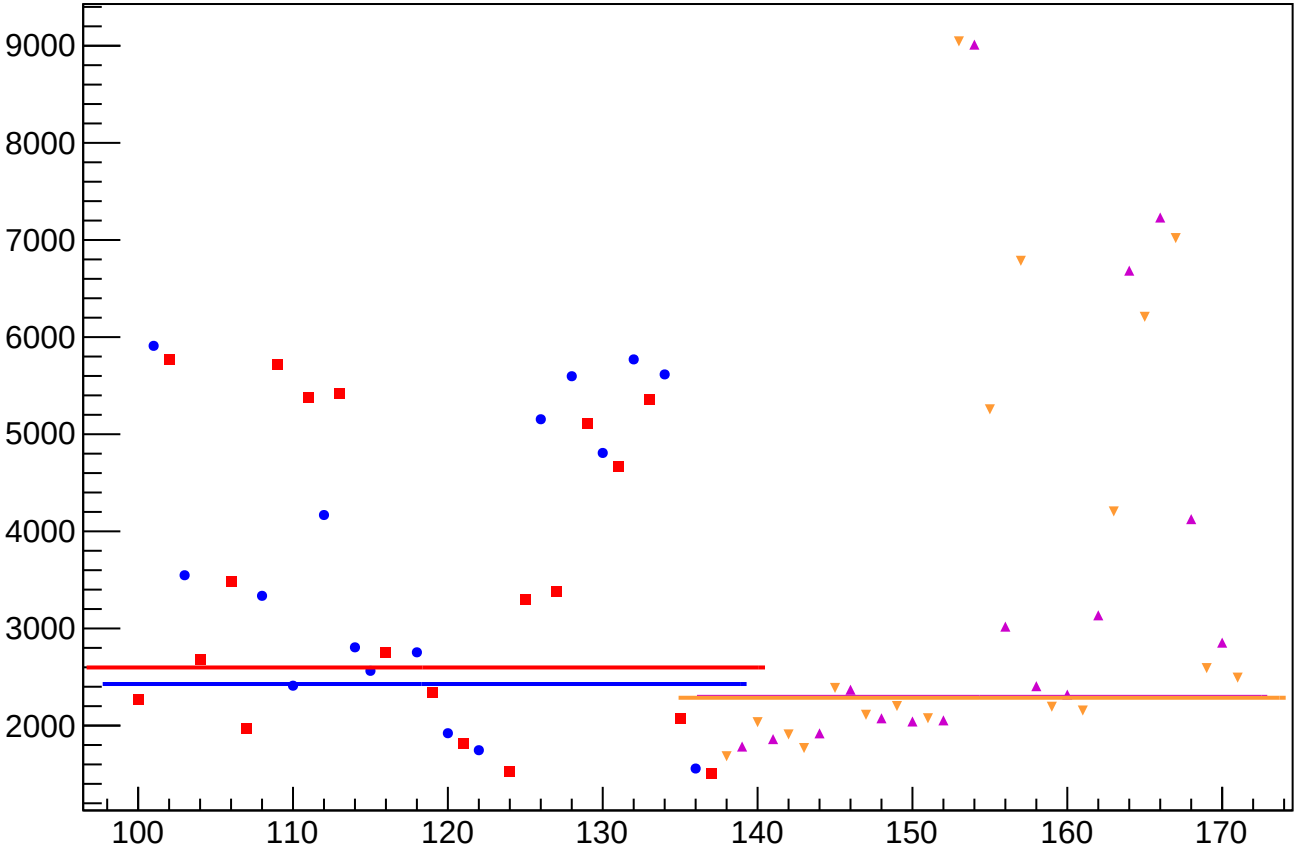
Left In: 14.920+/-0.699 χ^2/NDF:258.3/15

+ sign 4.256+/-0.571 χ^2/NDF: 633.8/33

All: 8.334+/-0.409 χ^2/NDF: 1518.7/68

- sign 12.624+/-0.586 χ^2/NDF: 780.2/34

diff_bpm0l02Y_rms vs Slug



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2286.517+/-0.482 χ^2/NDF:3833896.4/17

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

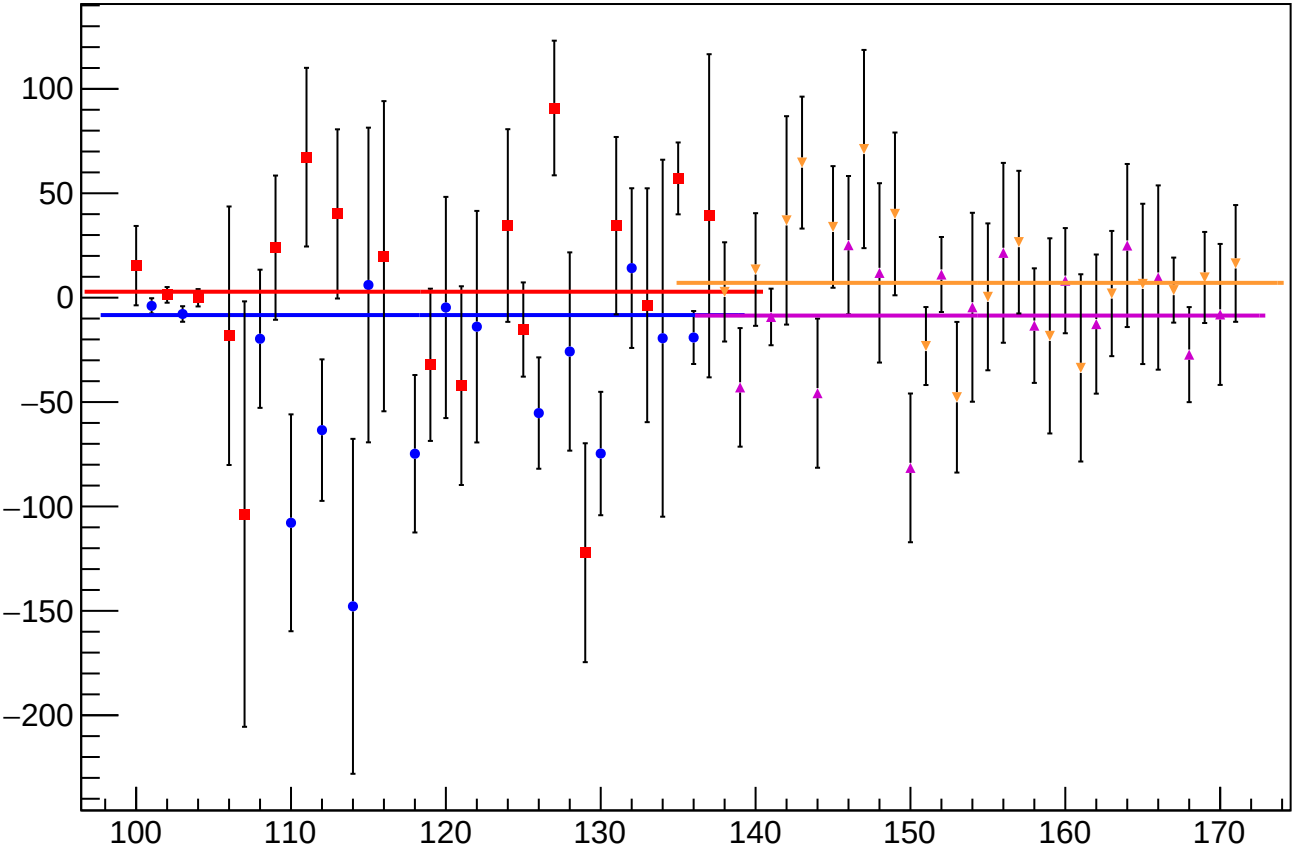
Left In: 2295.893+/-0.494 χ^2/NDF:2867134.2/15

+ sign 2328.763+/-0.404 χ^2/NDF: 6674963.8/33

All: 2356.610+/-0.289 χ^2/NDF: 12178253.2/6

- sign 2385.906+/-0.414 χ^2/NDF: 5493530.1/34

diff_bpm0l03X_mean vs Slug



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.098+/-6.685 χ^2/NDF:13.8/17

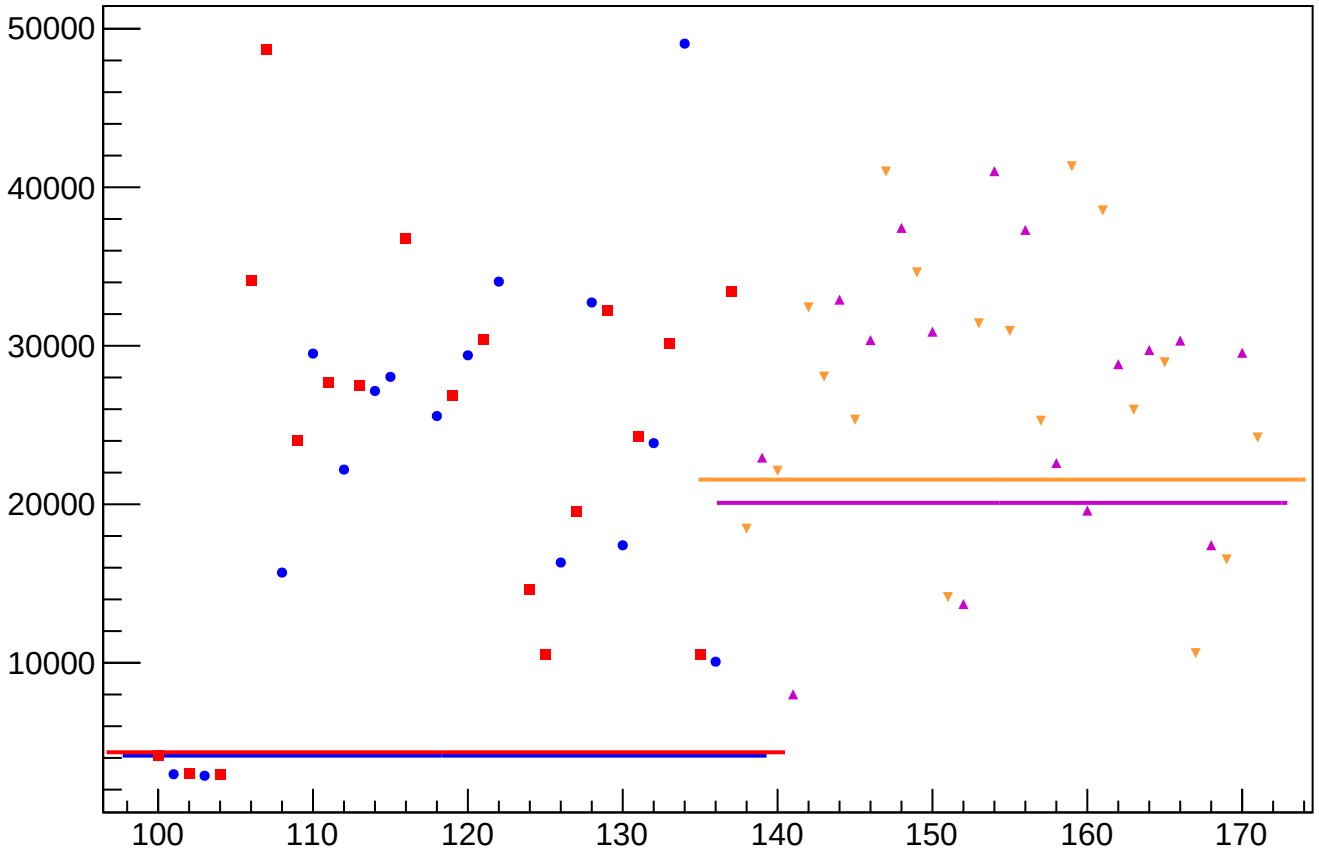
Right Out: 2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: -8.572+/-6.802 χ^2/NDF:11.8/15

+ sign -6.440+/-2.341 χ^2/NDF: 41.9/33

All: -2.737+/-1.696 χ^2/NDF: 94.0/68

- sign 1.353+/-2.461 χ^2/NDF: 46.8/34



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21557.950+/-4.727 χ^2/NDF:3312723.2/17

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

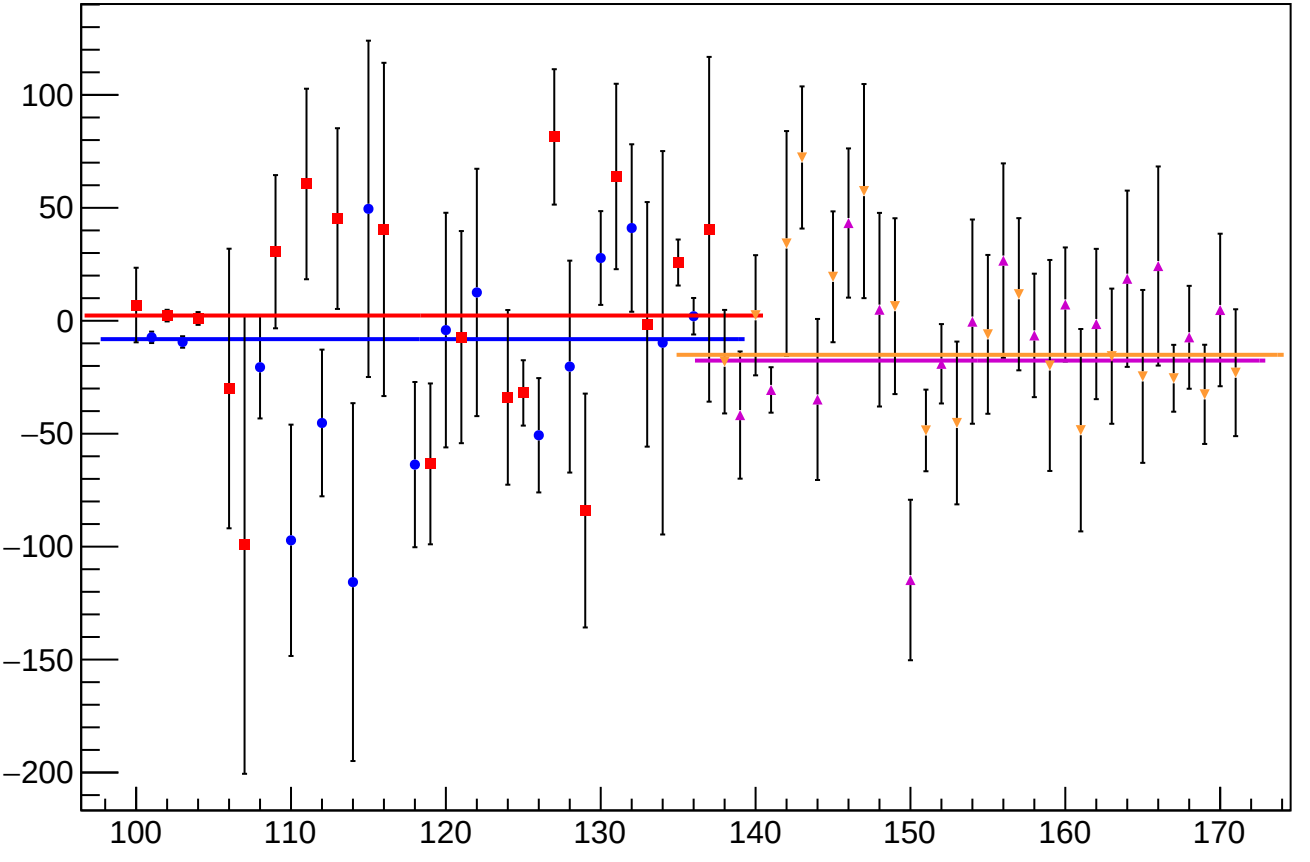
Left In: 20090.252+/-4.809 χ^2/NDF:4139902.1/15

+ sign 6281.313+/-1.655 χ^2/NDF: 22054521.5/33

All: 6344.444+/-1.199 χ^2/NDF: 43126263.5/6

- sign 6414.192+/-1.740 χ^2/NDF: 21068680.9/34

diff_bpm0l03Y_mean vs Slug



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -15.066+/-6.564 χ^2/NDF:19.9/17

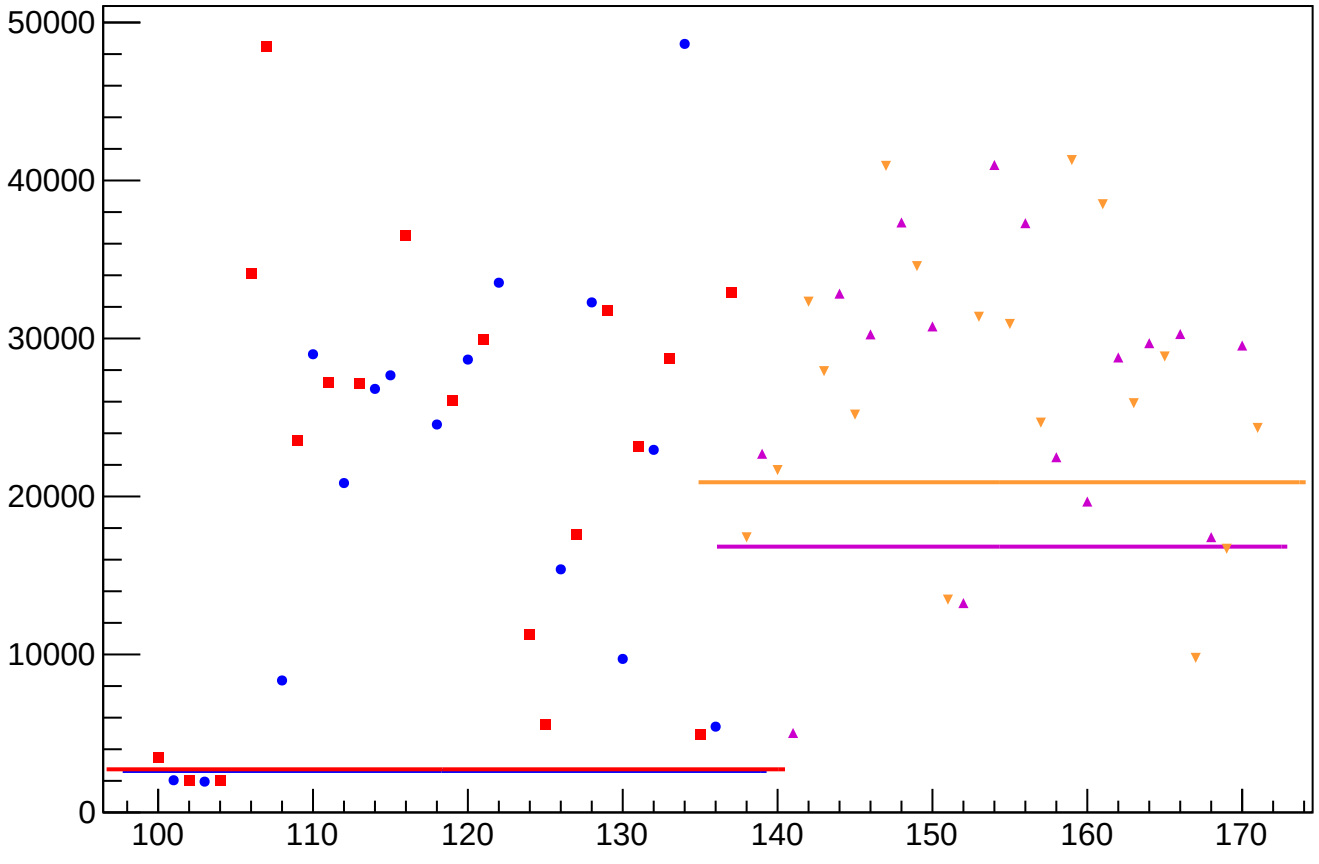
Right Out: 2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: -17.627+/-6.175 χ^2/NDF:18.8/15

+ sign -8.578+/-1.664 χ^2/NDF: 40.0/33

All: -4.152+/-1.205 χ^2/NDF: 116.3/68

- sign 0.727+/-1.747 χ^2/NDF: 61.4/34



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20899.783+/-4.641 χ^2/NDF:3658292.8/17

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

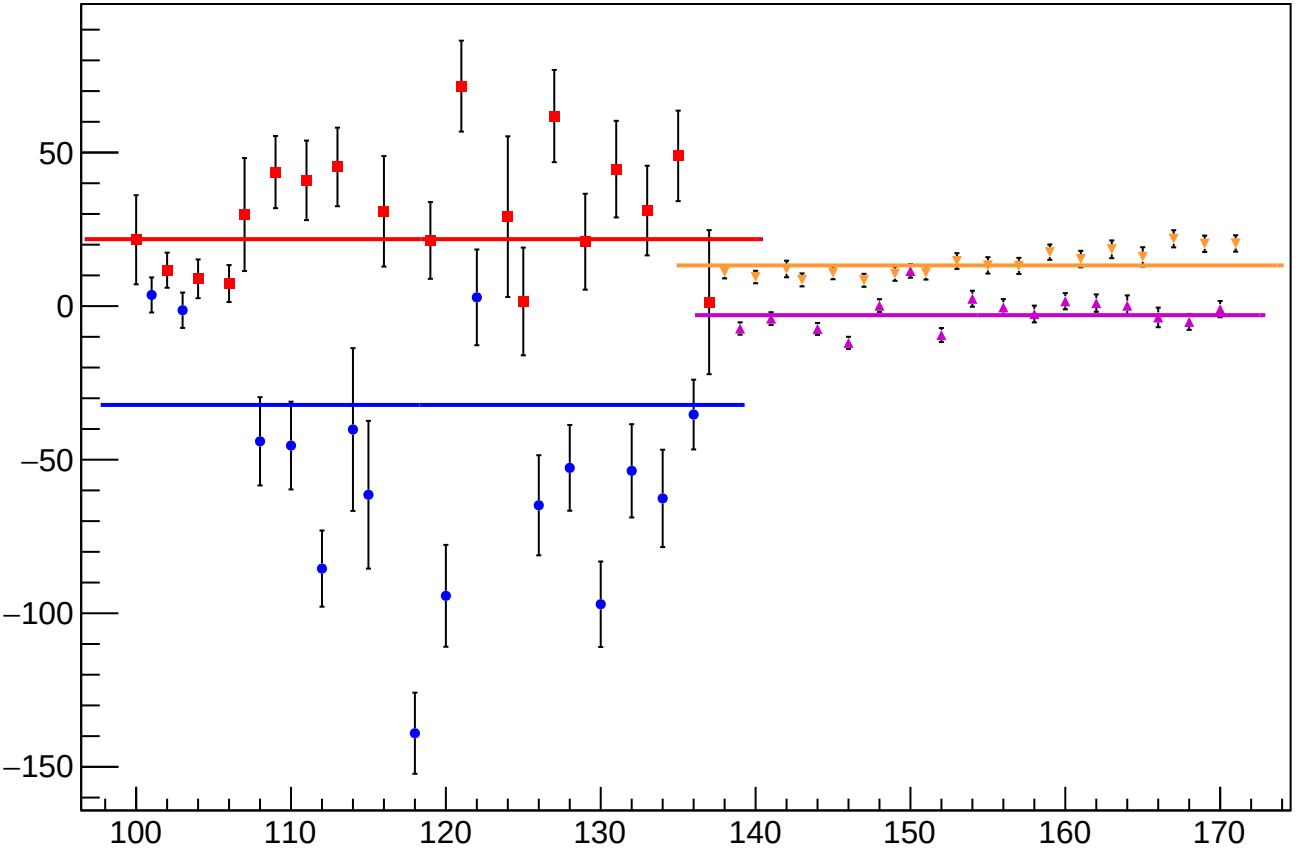
Left In: 16824.778+/-4.366 χ^2/NDF:6501013.6/15

+ sign 3801.028+/-1.177 χ^2/NDF: 24943028.9/33

All: 3828.498+/-0.852 χ^2/NDF: 49017777.0/6

- sign 3858.779+/-1.235 χ^2/NDF: 24073602.4/34

diff_bpm0l04X_mean vs Slug



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.250+/-0.575 χ^2/NDF:50.4/17

Right Out: 21.801+/-2.557 χ^2/NDF: 49.1/18

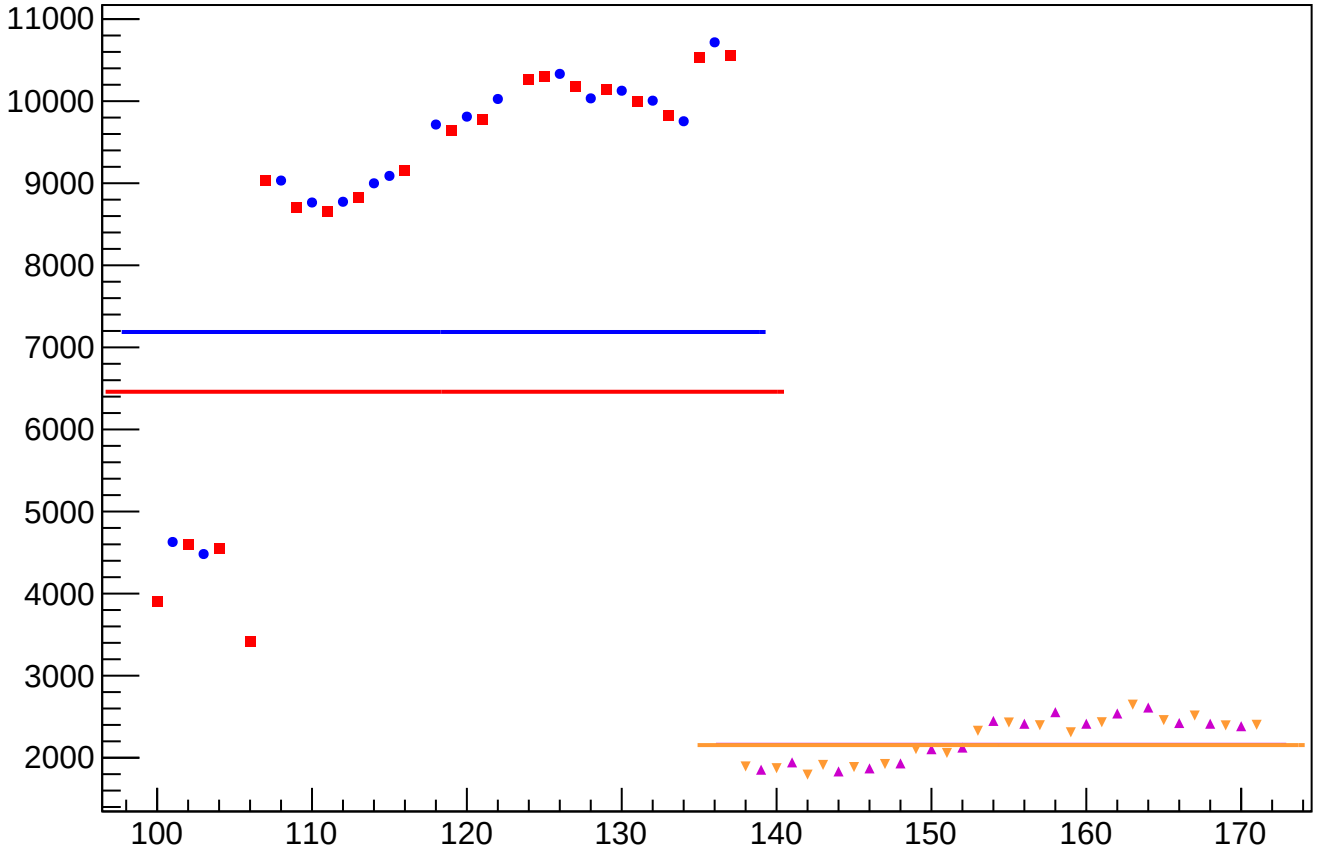
Left In: -2.941+/-0.599 χ^2/NDF:95.6/15

+ sign 11.464+/-0.564 χ^2/NDF: 503.6/33

All: 5.126+/-0.405 χ^2/NDF: 998.8/68

- sign -1.655+/-0.583 χ^2/NDF: 233.4/34

diff_bpm0l04X_rms vs Slug



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2154.295+/-0.407 χ^2/NDF:410463.9/17

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

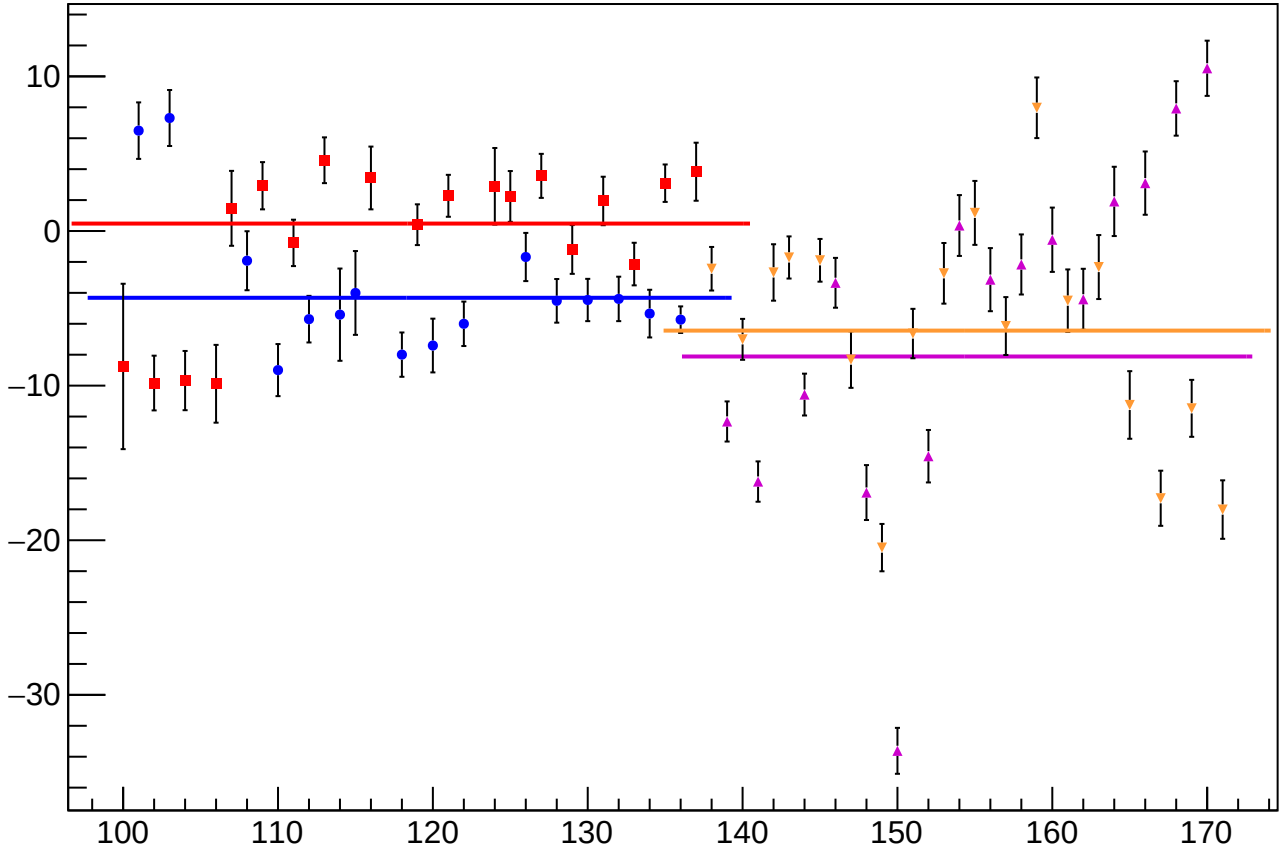
Left In: 2157.742+/-0.423 χ^2/NDF:416039.3/15

+ sign 2352.231+/-0.398 χ^2/NDF: 8143470.3/33

All: 2366.233+/-0.286 χ^2/NDF: 16203090.3/6

- sign 2381.213+/-0.412 χ^2/NDF: 8057064.5/34

diff_bpm0l04Y_mean vs Slug



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.441+/-0.403 χ^2/NDF:283.2/17

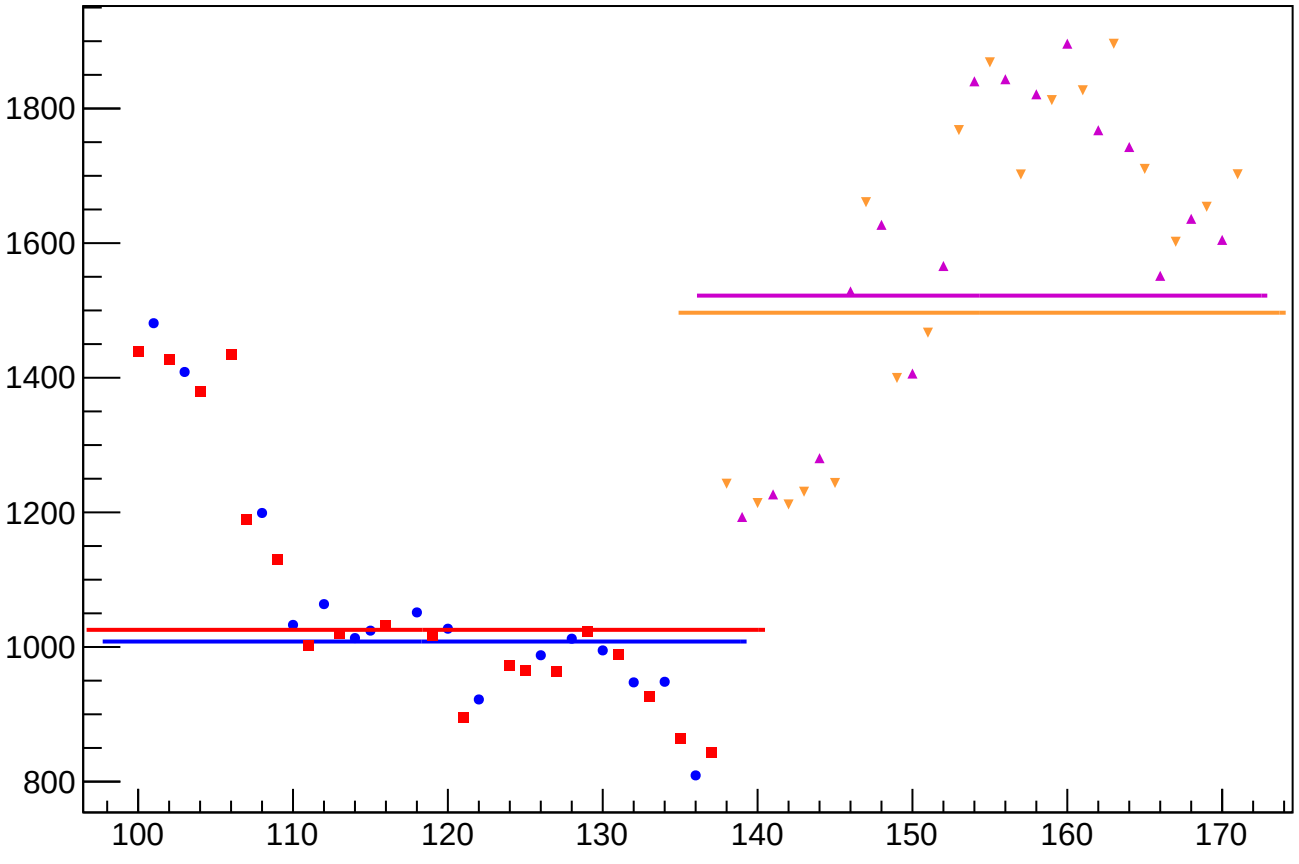
Right Out: 0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: -8.116+/-0.424 χ^2/NDF:687.4/15

+ sign -5.318+/-0.276 χ^2/NDF: 401.6/33

All: -4.347+/-0.198 χ^2/NDF: 1460.0/68

- sign -3.331+/-0.283 χ^2/NDF: 1033.1/34



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1496.609+/-0.285 χ^2/NDF:744470.6/17

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

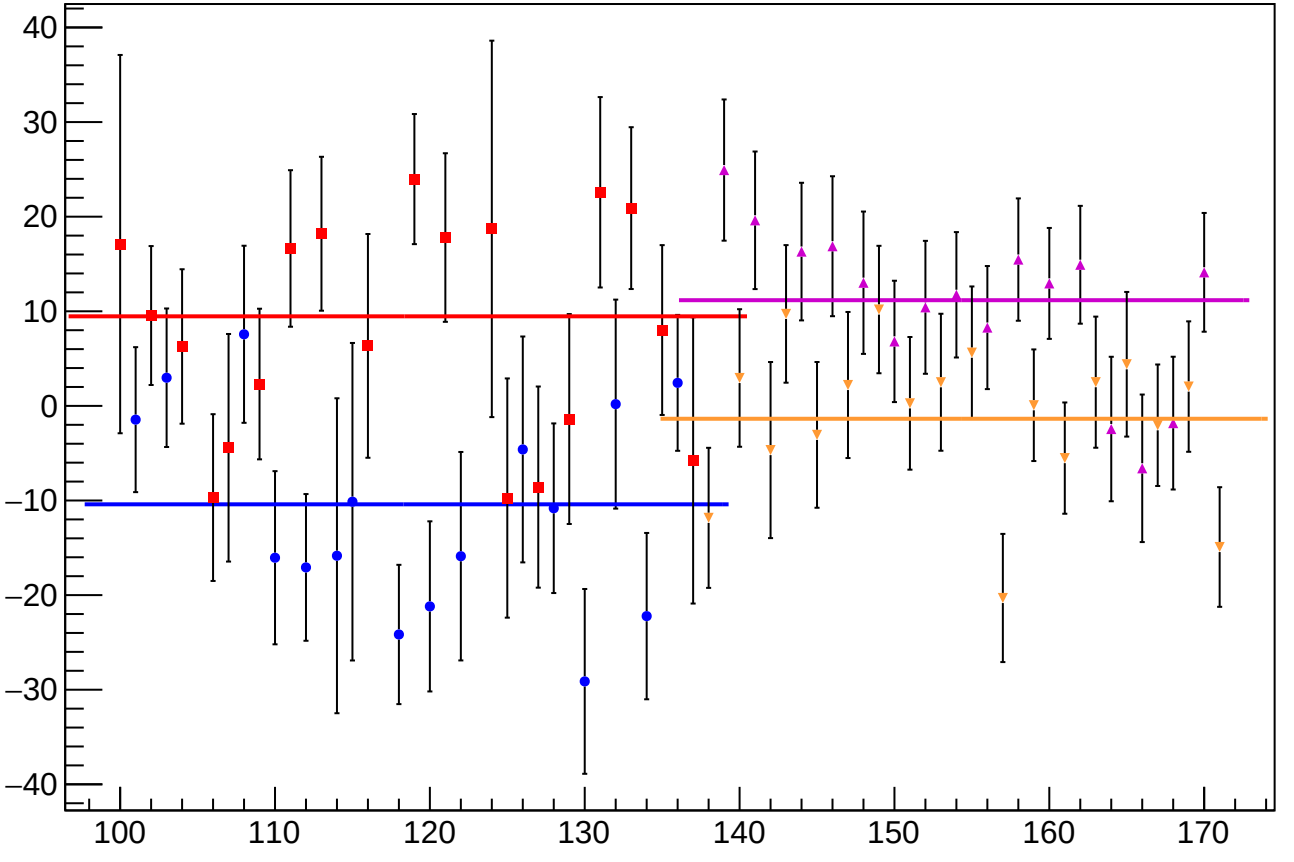
Left In: 1522.023+/-0.300 χ^2/NDF:592921.8/15

+ sign 1238.134+/-0.195 χ^2/NDF: 2681680.9/33

All: 1241.806+/-0.140 χ^2/NDF: 5146174.6/68

- sign 1245.646+/-0.200 χ^2/NDF: 2463770.7/34

diff_bpm0l05X_mean vs Slug



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.360+/-1.642 χ^2/NDF:23.4/17

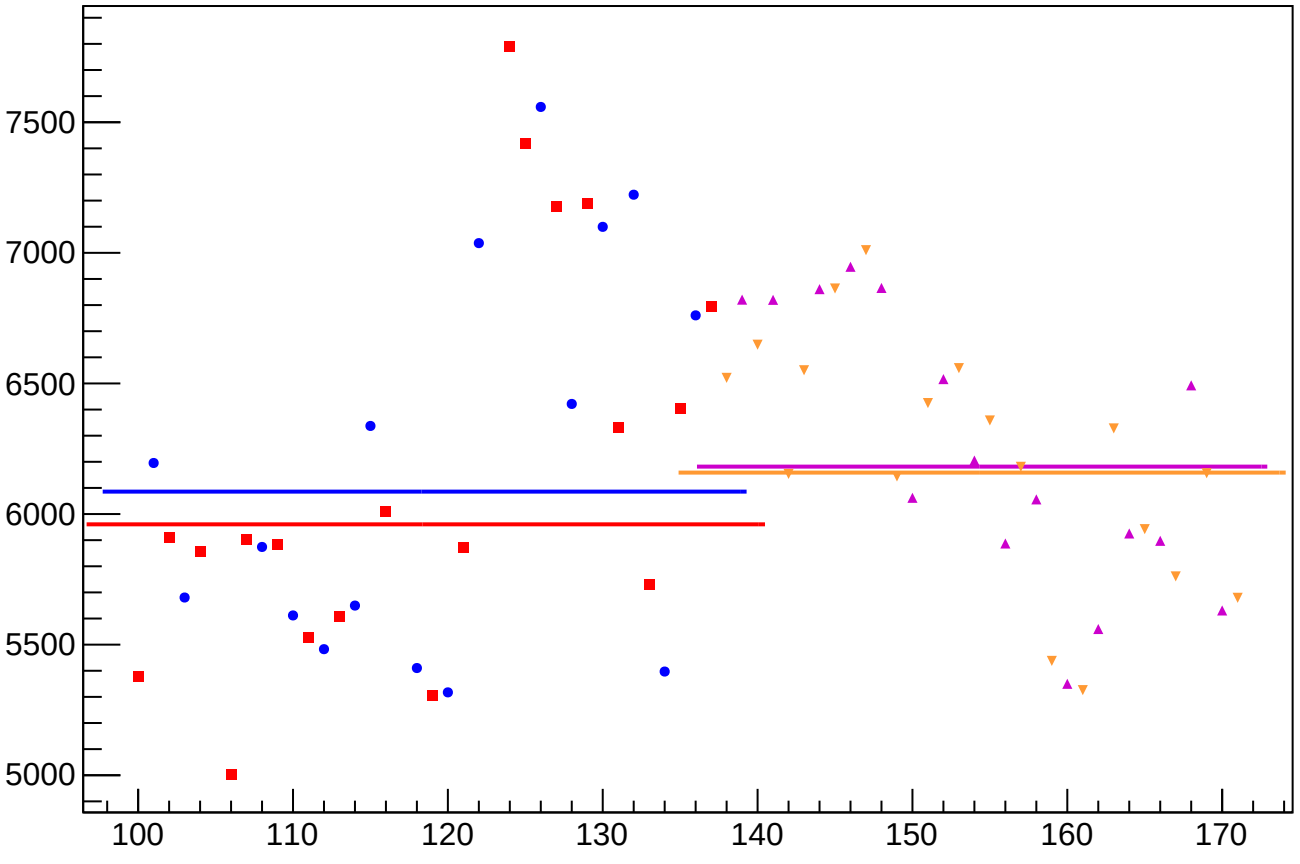
Right Out: 9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: 11.172+/-1.713 χ^2/NDF:19.5/15

+ sign -4.449+/-1.333 χ^2/NDF: 58.4/33

All: 2.943+/-0.948 χ^2/NDF: 166.0/68

- sign 10.525+/-1.350 χ^2/NDF: 45.2/34



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.692+/-1.161 χ^2/NDF:163333.9/17

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

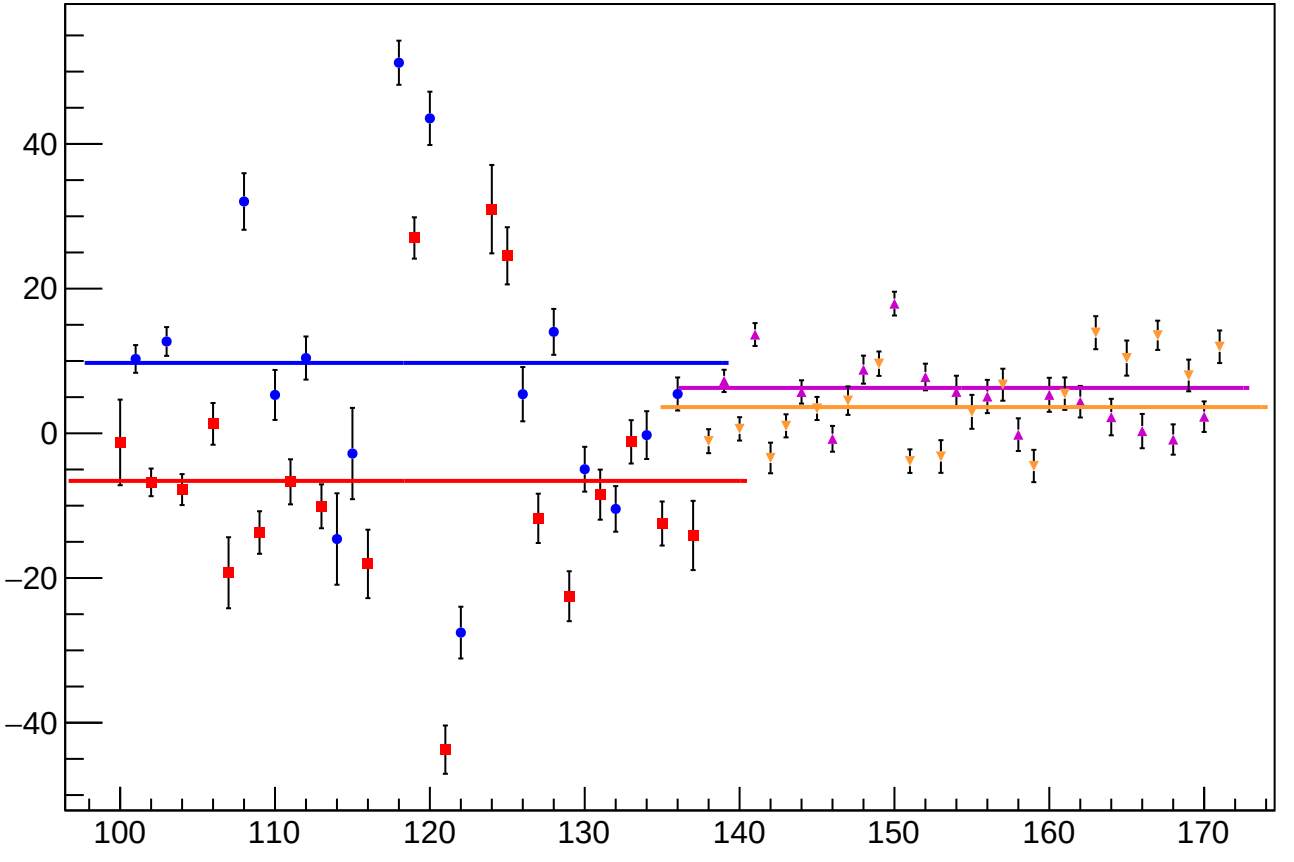
Left In: 6181.585+/-1.211 χ^2/NDF:179980.6/15

+ sign 6133.820+/-0.942 χ^2/NDF: 343796.0/33

All: 6116.012+/-0.670 χ^2/NDF: 699898.9/68

- sign 6097.748+/-0.954 χ^2/NDF: 355379.4/34

diff_bpm0l05Y_mean vs Slug



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.627+/-0.460 χ^2/NDF:154.2/17

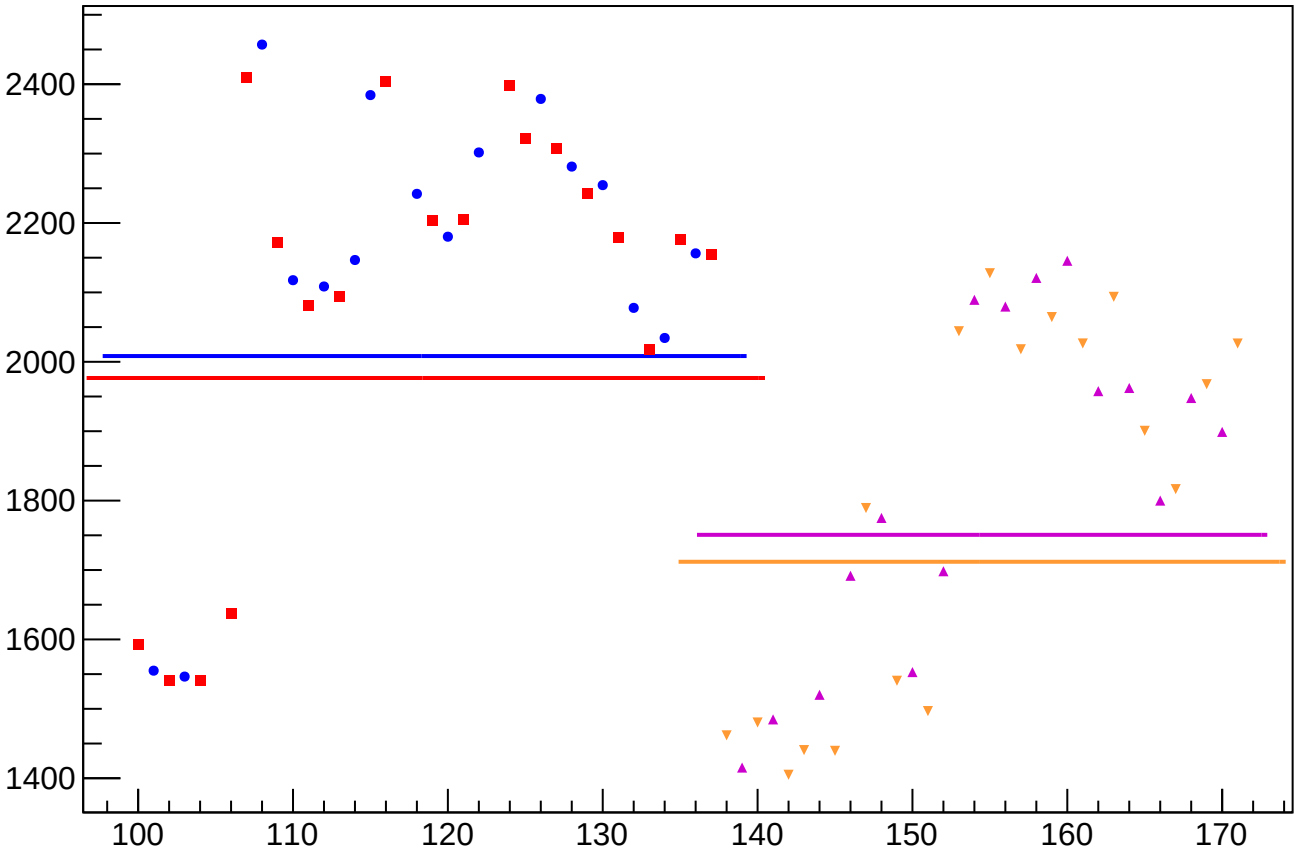
Right Out: -6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: 6.277+/-0.487 χ^2/NDF:124.0/15

+ sign 5.278+/-0.393 χ^2/NDF: 714.3/33

All: 3.847+/-0.282 χ^2/NDF: 1503.9/68

- sign 2.322+/-0.405 χ^2/NDF: 762.1/34



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1711.900+/-0.325 χ^2/NDF:676626.5/17

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

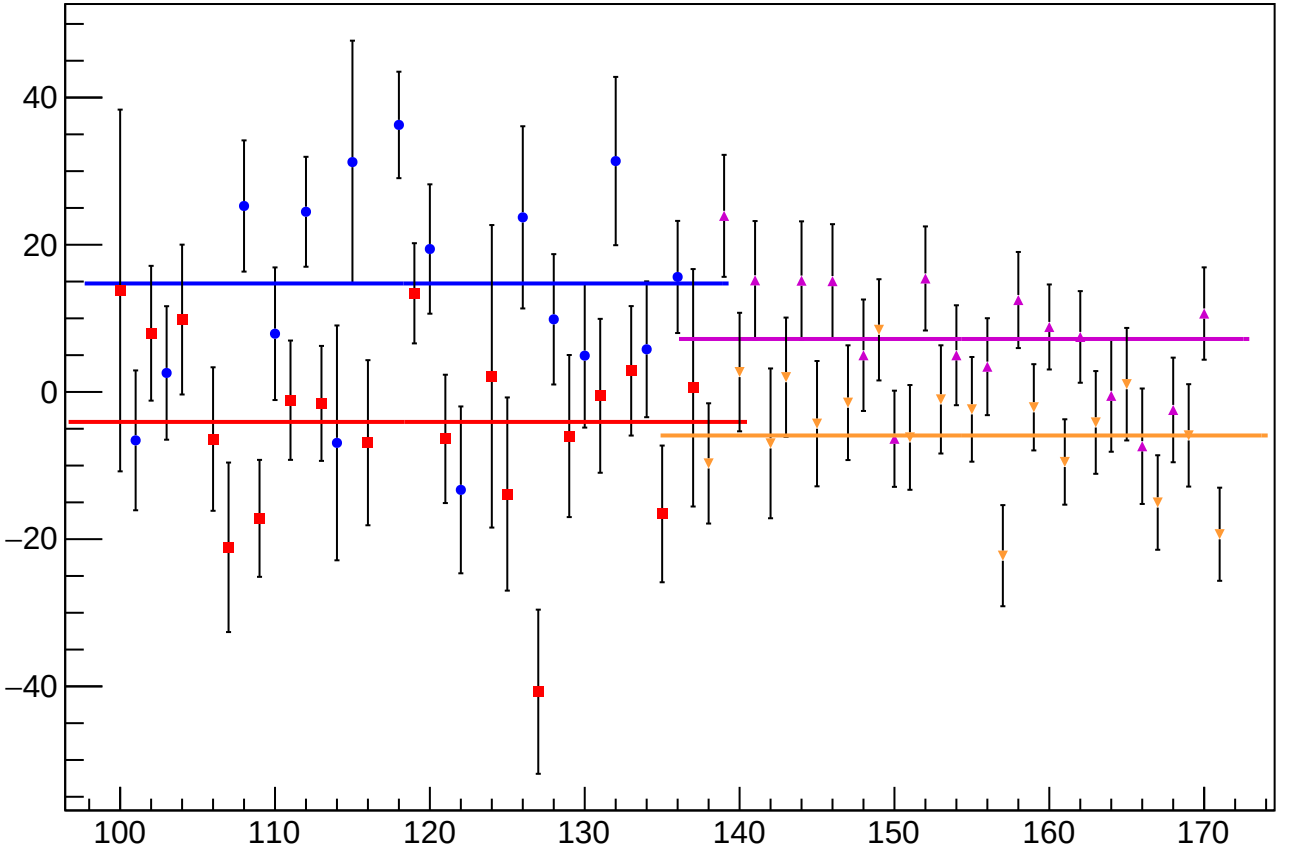
Left In: 1750.695+/-0.344 χ^2/NDF:483443.2/15

+ sign 1792.037+/-0.278 χ^2/NDF: 1245955.2/33

All: 1805.688+/-0.199 χ^2/NDF: 2232336.9/68

- sign 1820.227+/-0.286 χ^2/NDF: 981387.1/34

diff_bpm0l06X_mean vs Slug



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.914+/-1.685 χ^2/NDF:21.6/17

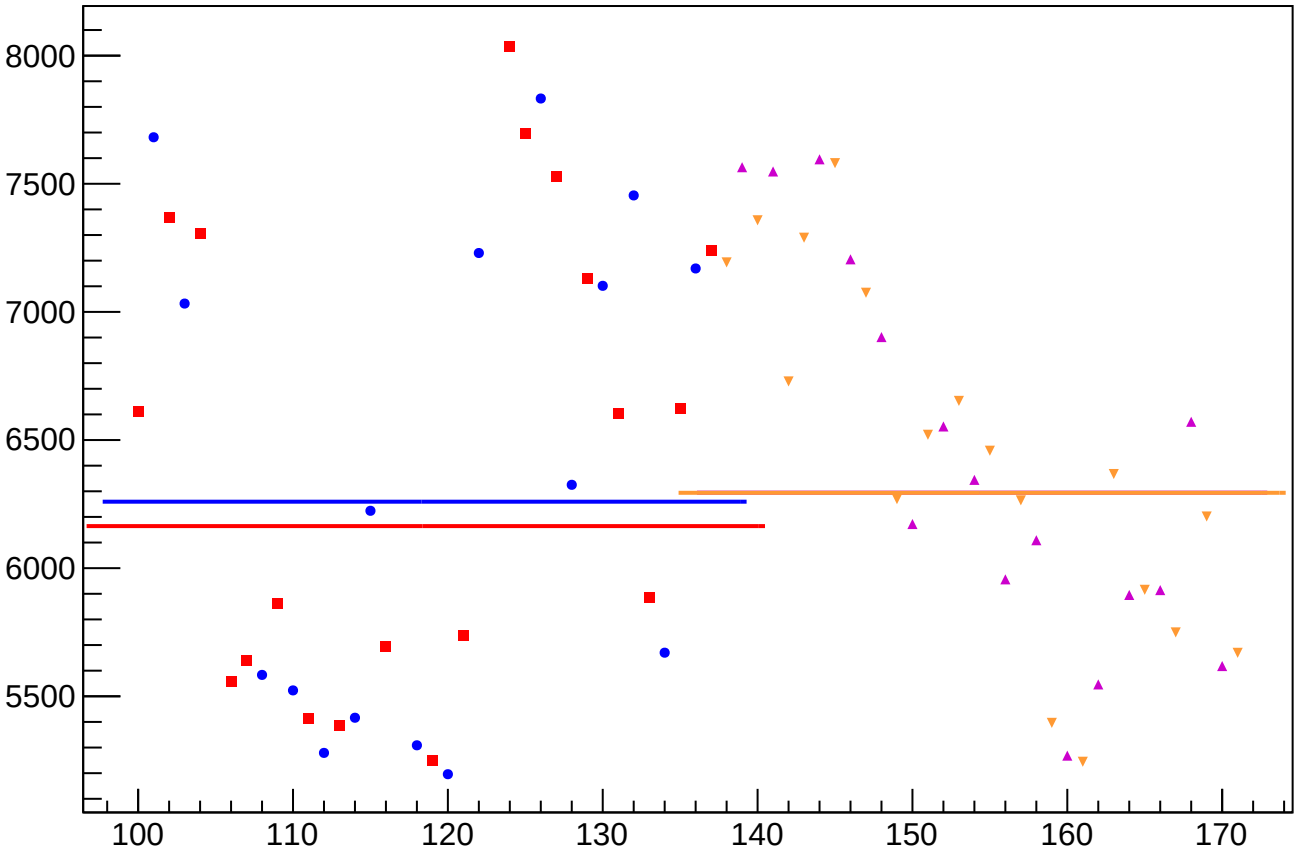
Right Out: -4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: 7.198+/-1.752 χ^2/NDF:20.6/15

+ sign 1.068+/-1.371 χ^2/NDF: 105.9/33

All: 2.021+/-0.975 χ^2/NDF: 173.1/68

- sign 2.999+/-1.388 χ^2/NDF: 66.2/34



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6294.127+/-1.191 χ^2/NDF:318407.3/17

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

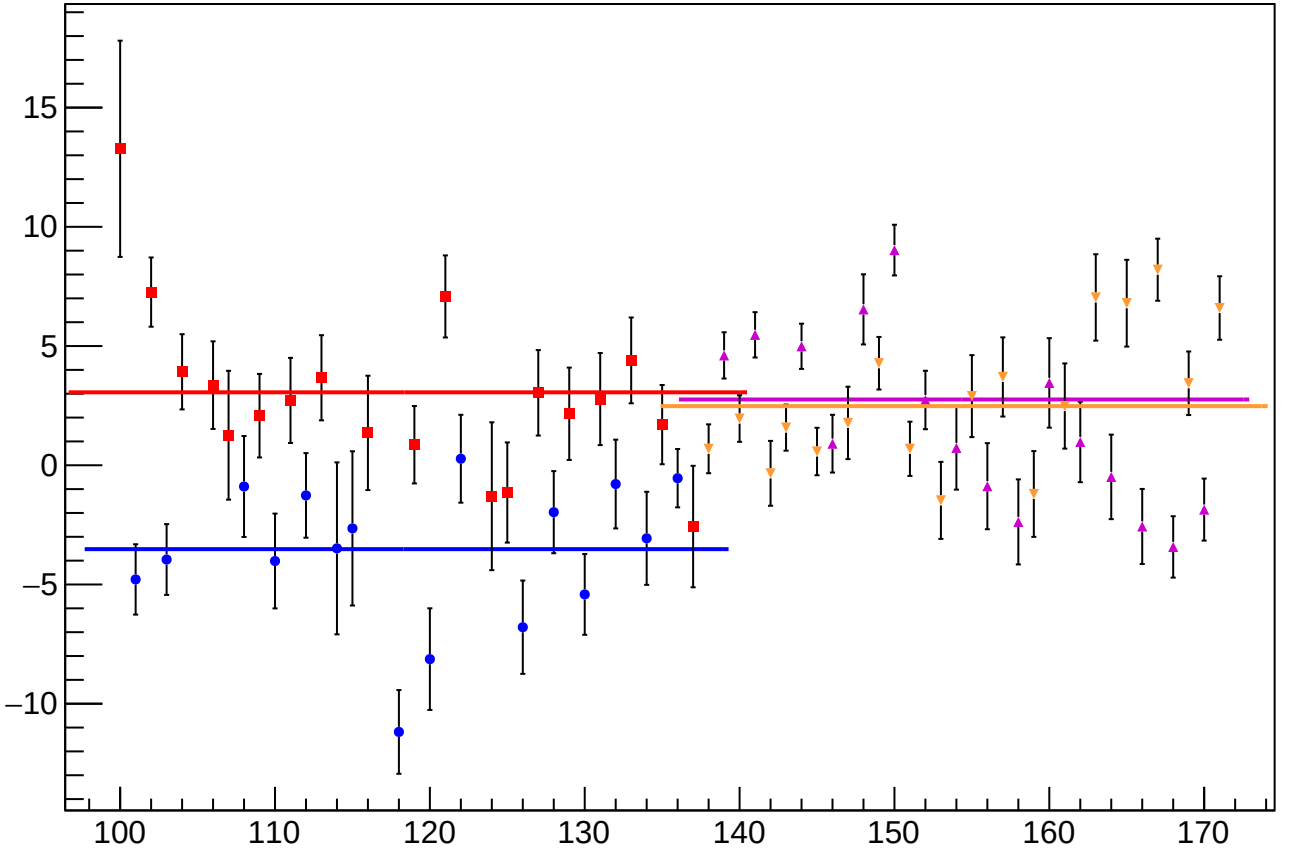
Left In: 6294.664+/-1.239 χ^2/NDF:327042.5/15

+ sign 6282.394+/-0.969 χ^2/NDF: 627301.0/33

All: 6264.441+/-0.690 χ^2/NDF: 1224232.1/68

- sign 6246.036+/-0.981 χ^2/NDF: 596236.3/34

diff_bpm0l06Y_mean vs Slug



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.480+/-0.306 χ^2/NDF:69.6/17

Right Out: 3.059+/-0.438 χ^2/NDF: 34.8/18

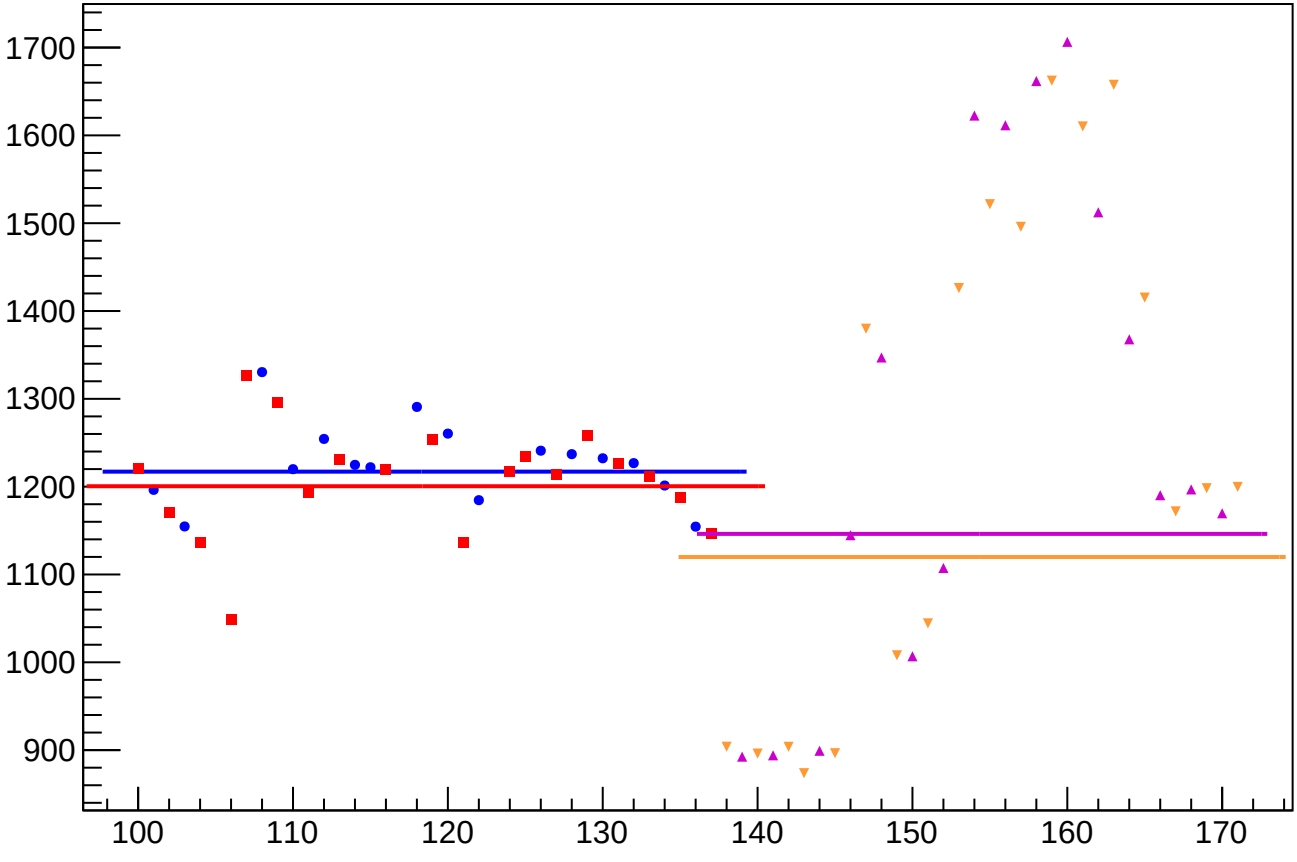
Left In: 2.759+/-0.325 χ^2/NDF:126.4/15

+ sign 0.597+/-0.253 χ^2/NDF: 235.3/33

All: 1.698+/-0.182 χ^2/NDF: 435.7/68

- sign 2.865+/-0.261 χ^2/NDF: 161.5/34

diff_bpm0l06Y_rms vs Slug



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1119.914+/-0.216 χ^2/NDF:1425266.5/17

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

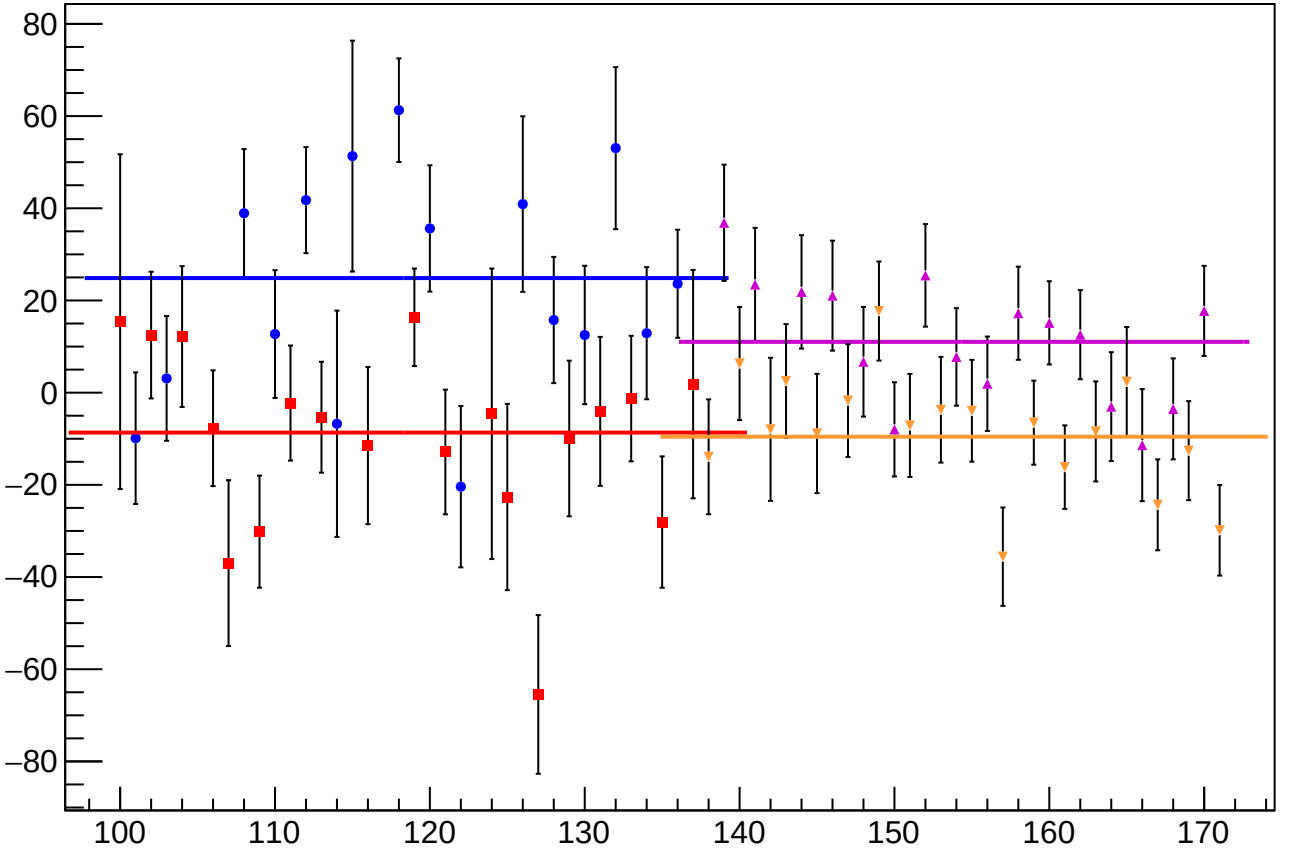
Left In: 1146.225+/-0.230 χ^2/NDF:1243923.1/15

+ sign 1150.417+/-0.179 χ^2/NDF: 1510269.8/33

All: 1157.721+/-0.129 χ^2/NDF: 2815058.4/68

- sign 1165.464+/-0.185 χ^2/NDF: 1301367.6/34

diff_bpm0l07X_mean vs Slug



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.557+/-2.610 χ^2/NDF:24.4/17

Right Out: -8.658+/-3.454 χ^2/NDF: 30.1/18

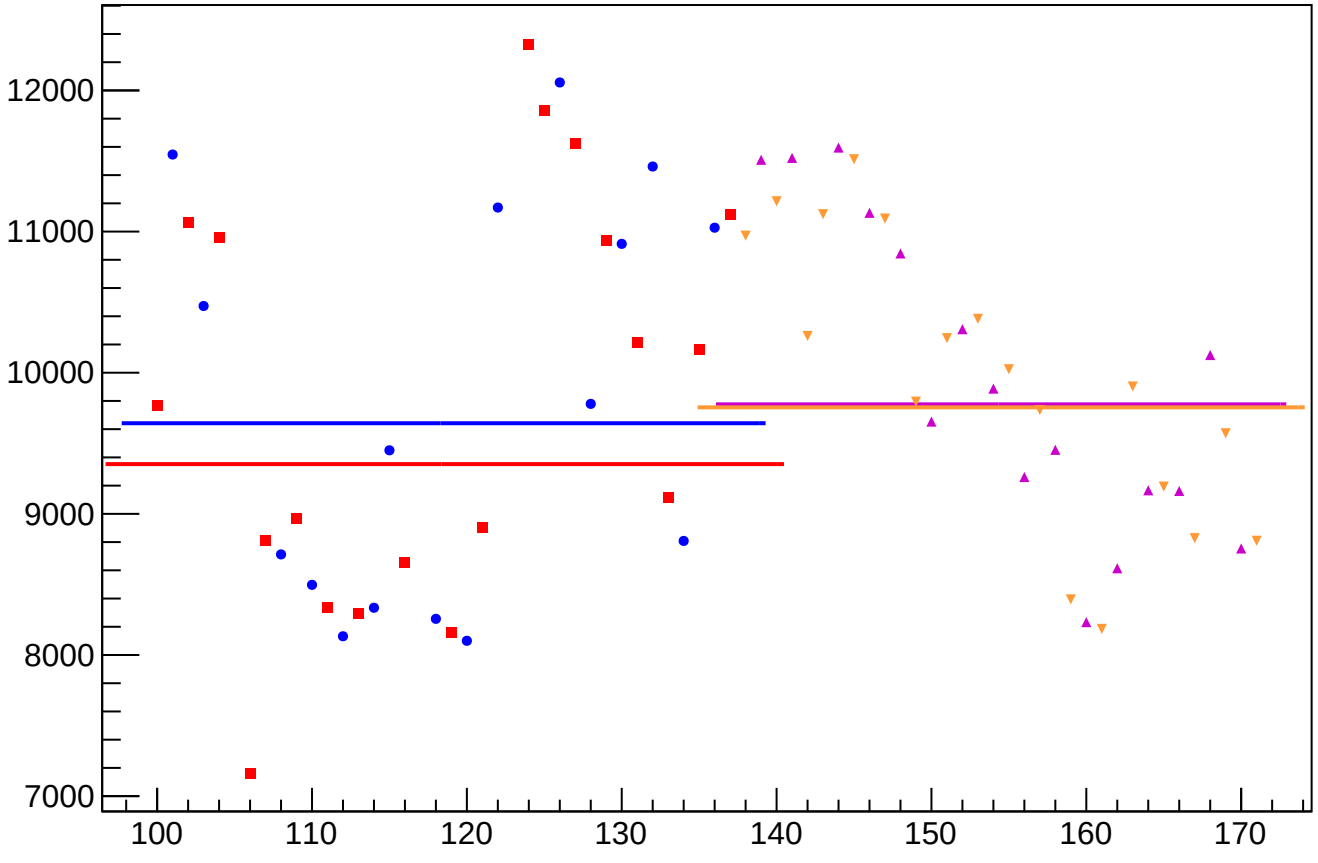
Left In: 11.024+/-2.719 χ^2/NDF:20.5/15

+ sign 2.180+/-2.119 χ^2/NDF: 121.8/33

All: 2.831+/-1.504 χ^2/NDF: 192.7/68

- sign 3.492+/-2.136 χ^2/NDF: 70.7/34

diff_bpm0l07X_rms vs Slug



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9754.559+/-1.846 χ^2/NDF:292220.9/17

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

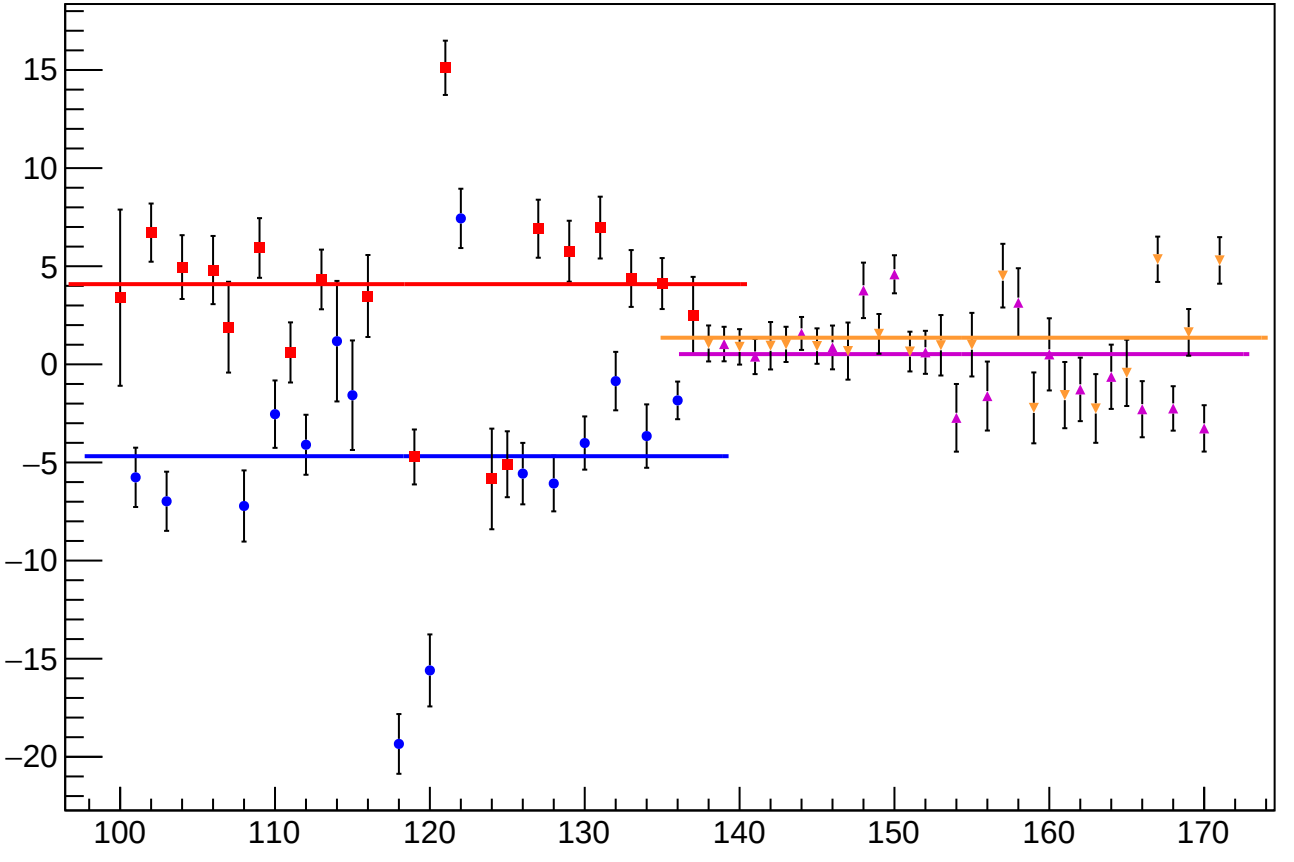
Left In: 9775.871+/-1.923 χ^2/NDF:297702.5/15

+ sign 9716.198+/-1.498 χ^2/NDF: 573145.3/33

All: 9665.457+/-1.064 χ^2/NDF: 1193493.7/68

- sign 9613.858+/-1.511 χ^2/NDF: 618034.6/34

diff_bpm0l07Y_mean vs Slug



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.357+/-0.281 χ^2/NDF:40.8/17

Right Out: 4.087+/-0.376 χ^2/NDF: 168.1/18

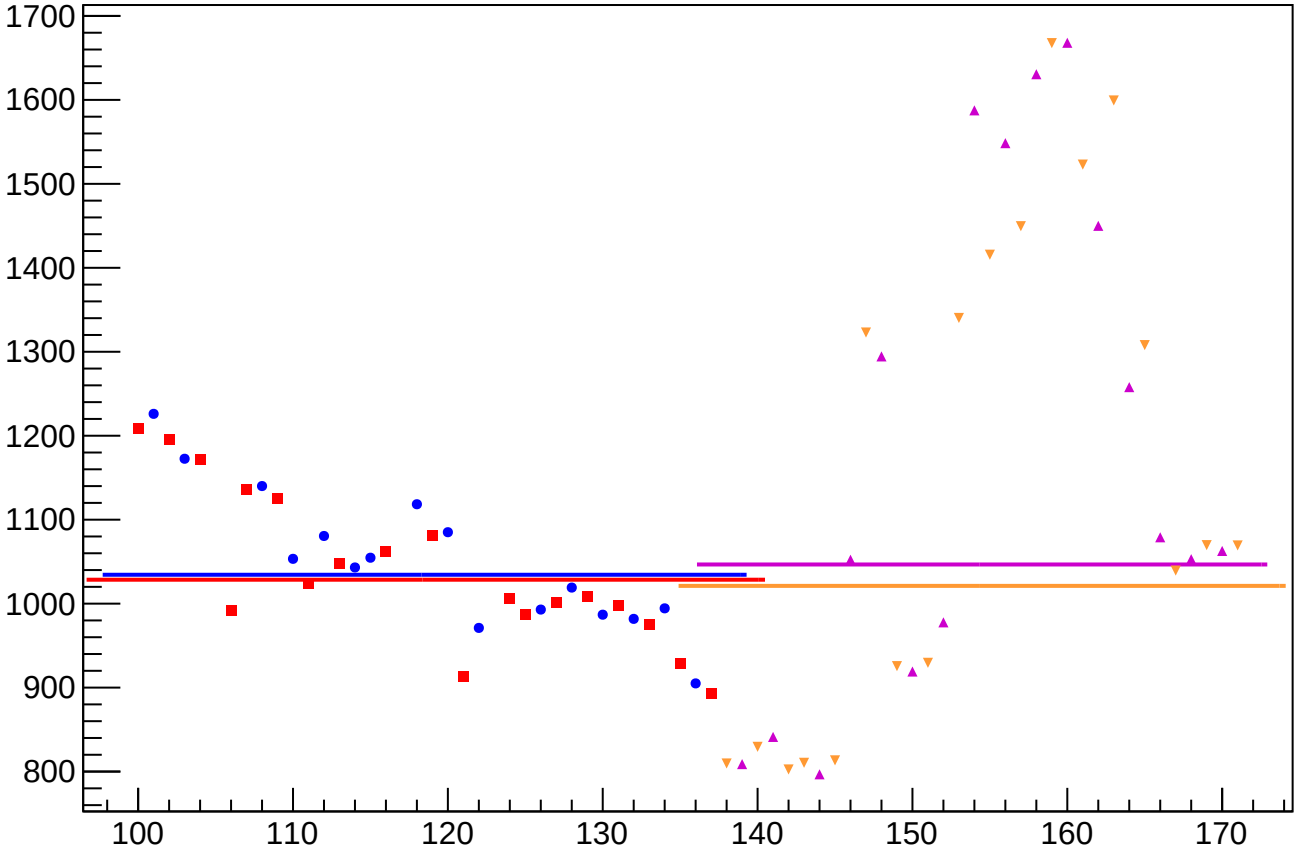
Left In: 0.521+/-0.299 χ^2/NDF:54.0/15

+ sign -0.734+/-0.227 χ^2/NDF: 422.1/33

All: 0.543+/-0.163 χ^2/NDF: 764.5/68

- sign 1.901+/-0.234 χ^2/NDF: 277.0/34

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1021.162+/-0.199 χ^2/NDF:1658361.9/17

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

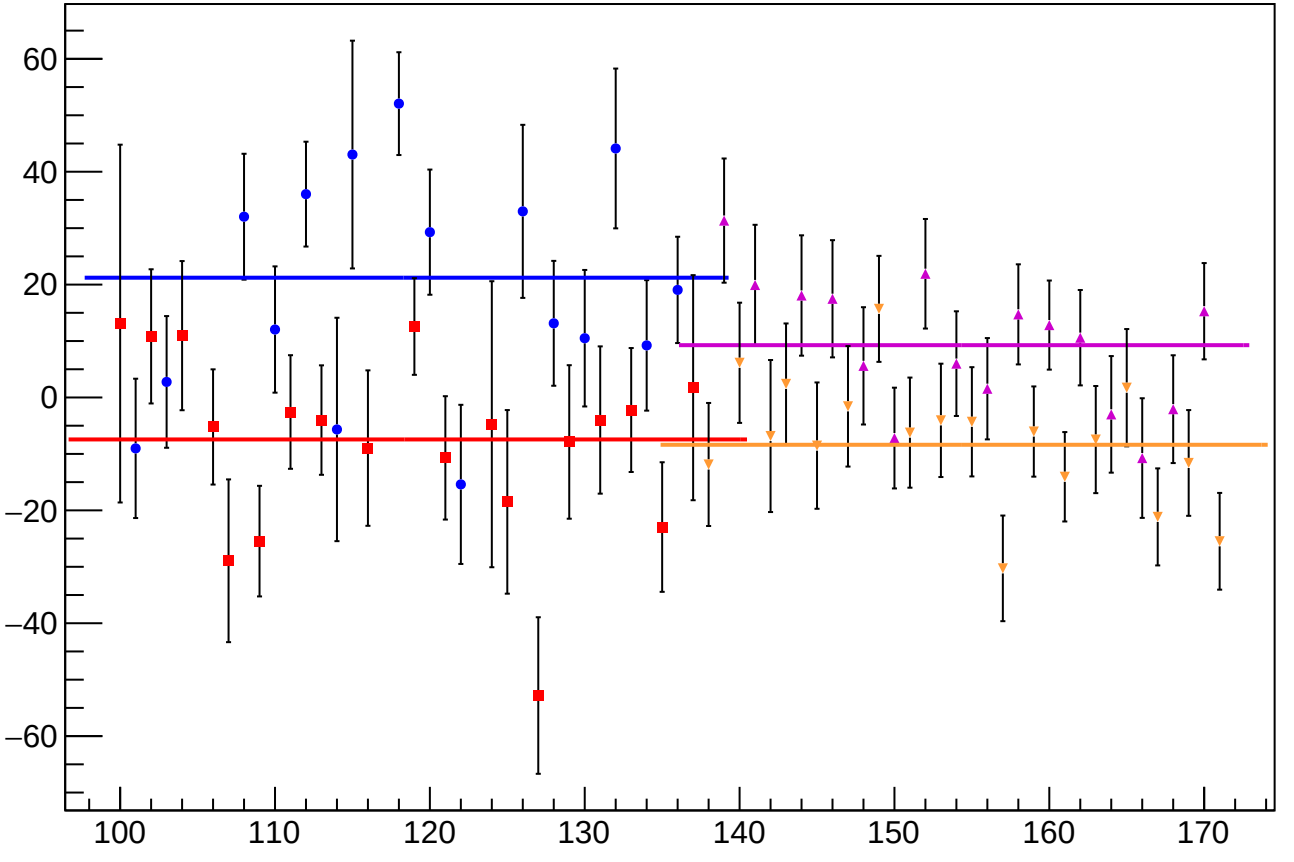
Left In: 1046.642+/-0.211 χ^2/NDF:1501337.3/15

+ sign 1025.749+/-0.161 χ^2/NDF: 1773180.3/33

All: 1032.472+/-0.115 χ^2/NDF: 3382608.1/68

- sign 1039.621+/-0.166 χ^2/NDF: 1605810.2/34

diff_bpm0l08X_mean vs Slug



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.381+/-2.279 χ^2/NDF:23.7/17

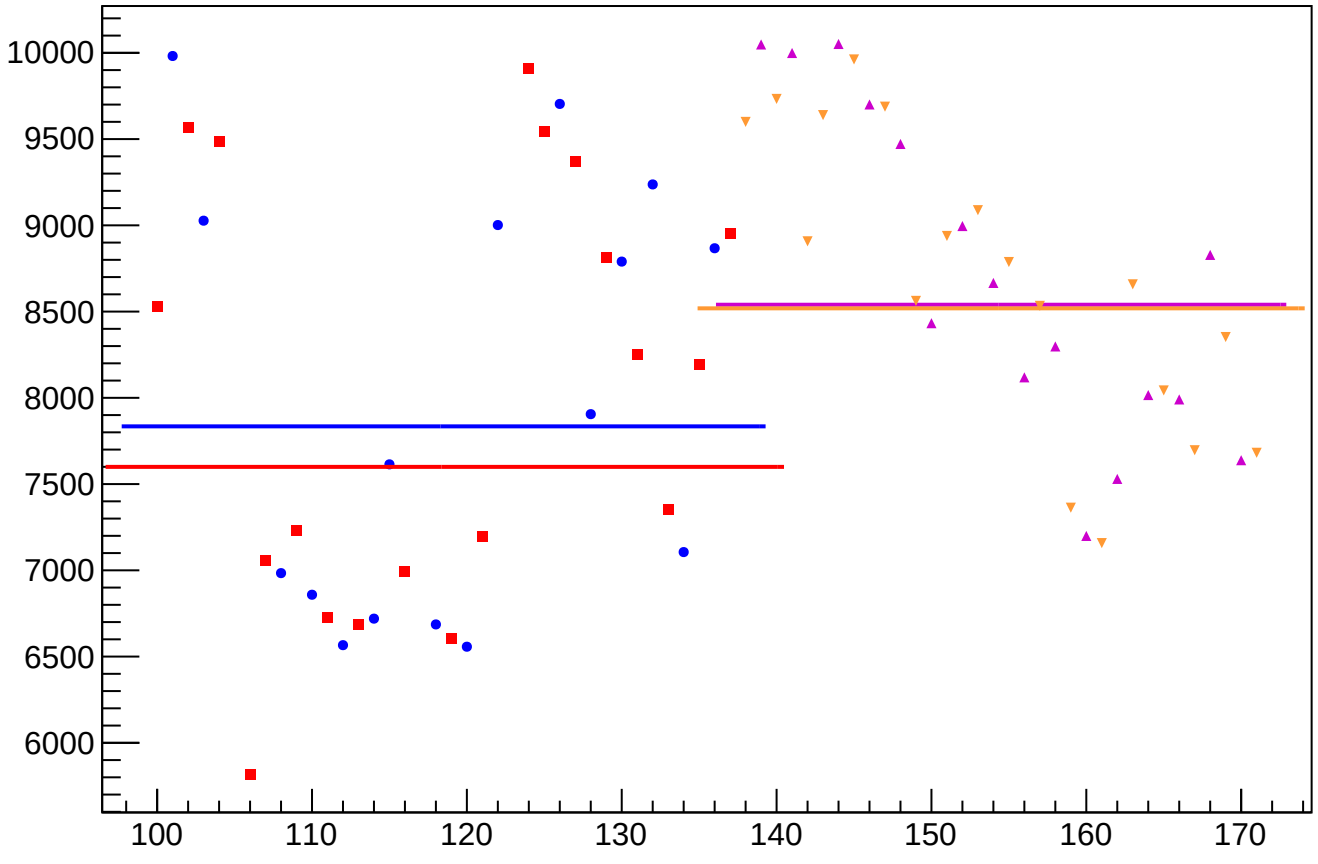
Right Out: -7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: 9.268+/-2.375 χ^2/NDF:19.9/15

+ sign 2.674+/-1.804 χ^2/NDF: 126.8/33

All: 2.493+/-1.279 χ^2/NDF: 197.2/68

- sign 2.310+/-1.814 χ^2/NDF: 70.3/34



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8518.797+/-1.611 χ^2/NDF:281686.9/17

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

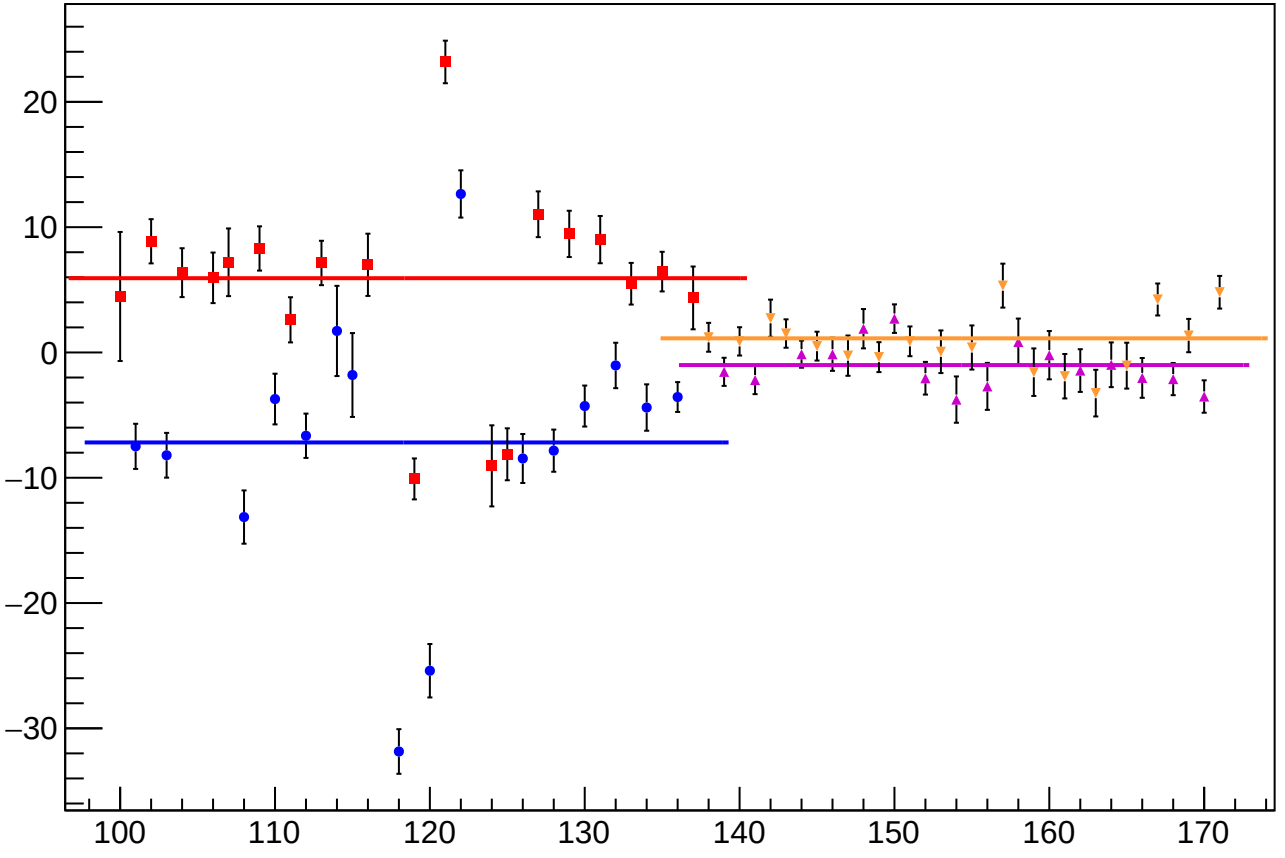
Left In: 8539.706+/-1.679 χ^2/NDF:288185.2/15

+ sign 8263.309+/-1.275 χ^2/NDF: 667100.7/33

All: 8206.045+/-0.904 χ^2/NDF: 1434170.1/68

- sign 8148.140+/-1.283 χ^2/NDF: 763015.5/34

diff_bpm0l08Y_mean vs Slug



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.128+/-0.329 χ^2/NDF:36.0/17

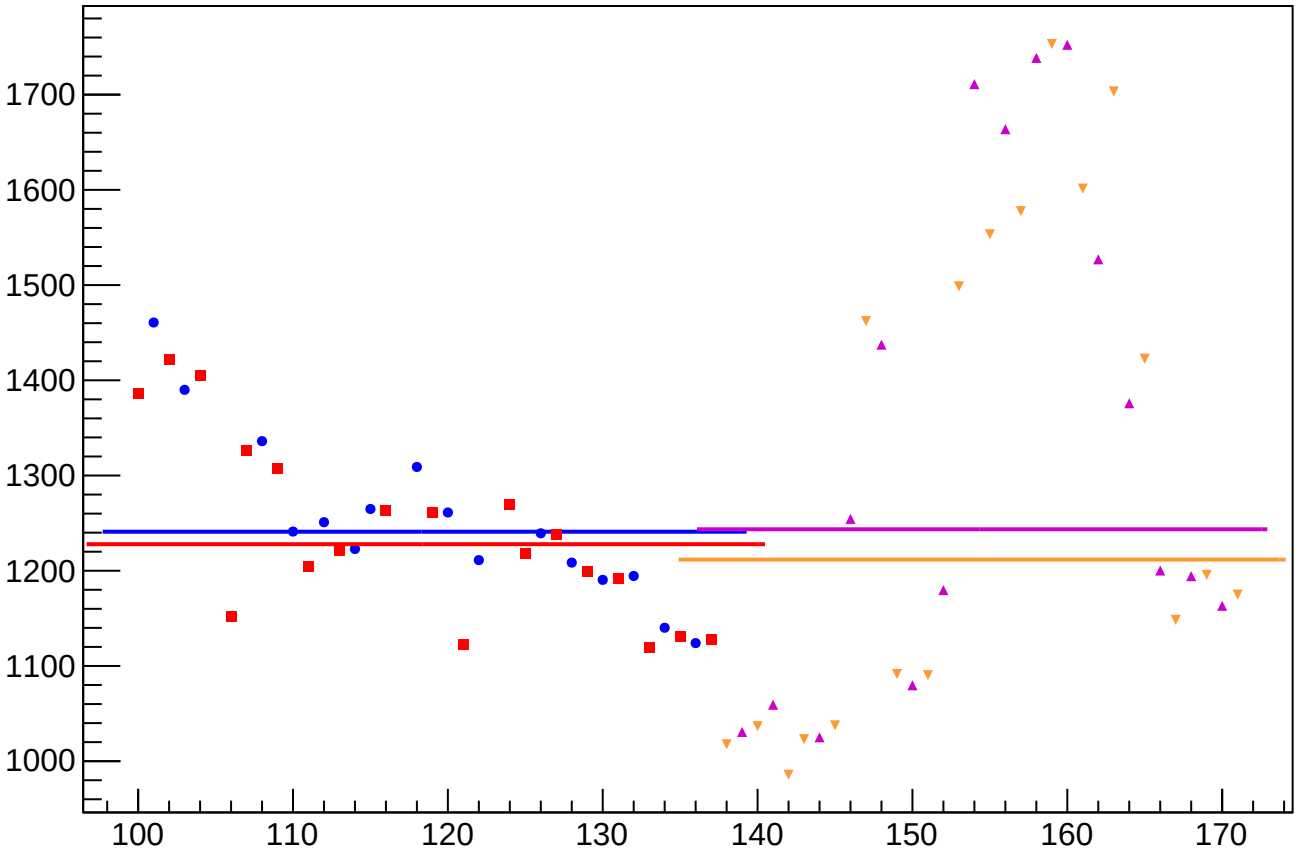
Right Out: 5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: -1.006+/-0.350 χ^2/NDF:26.3/15

+ sign -1.661+/-0.268 χ^2/NDF: 673.0/33

All: -0.073+/-0.192 χ^2/NDF: 1210.3/68

- sign 1.613+/-0.276 χ^2/NDF: 464.9/34



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.727+/-0.232 χ^2/NDF:993148.5/17

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

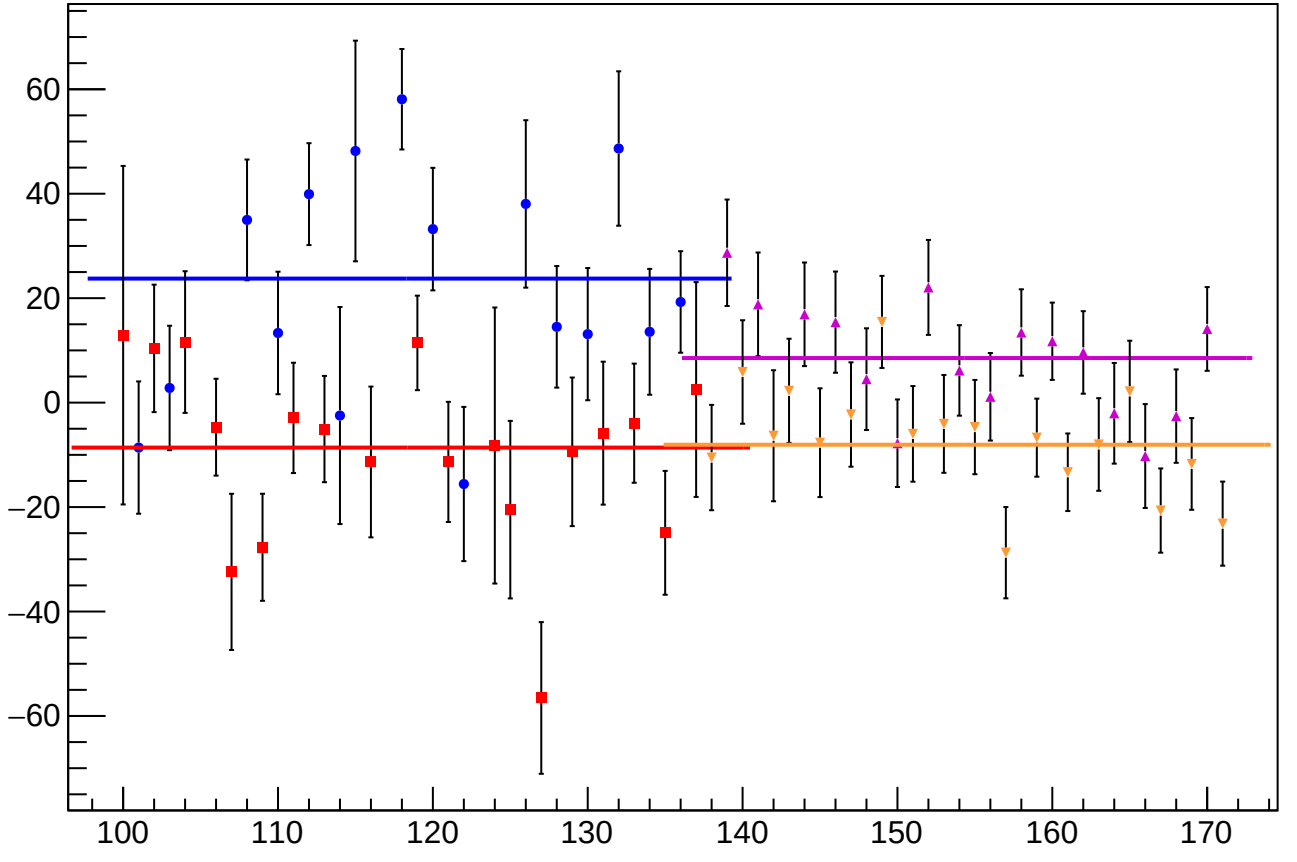
Left In: 1243.547+/-0.247 χ^2/NDF:870928.7/15

+ sign 1221.553+/-0.189 χ^2/NDF: 1079131.5/33

All: 1229.344+/-0.136 χ^2/NDF: 2037406.9/68

- sign 1237.622+/-0.195 χ^2/NDF: 954785.1/34

diff_bpm0l09X_mean vs Slug



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.060+/-2.130 χ^2/NDF:24.3/17

Right Out: -8.609+/-2.899 χ^2/NDF: 30.5/18

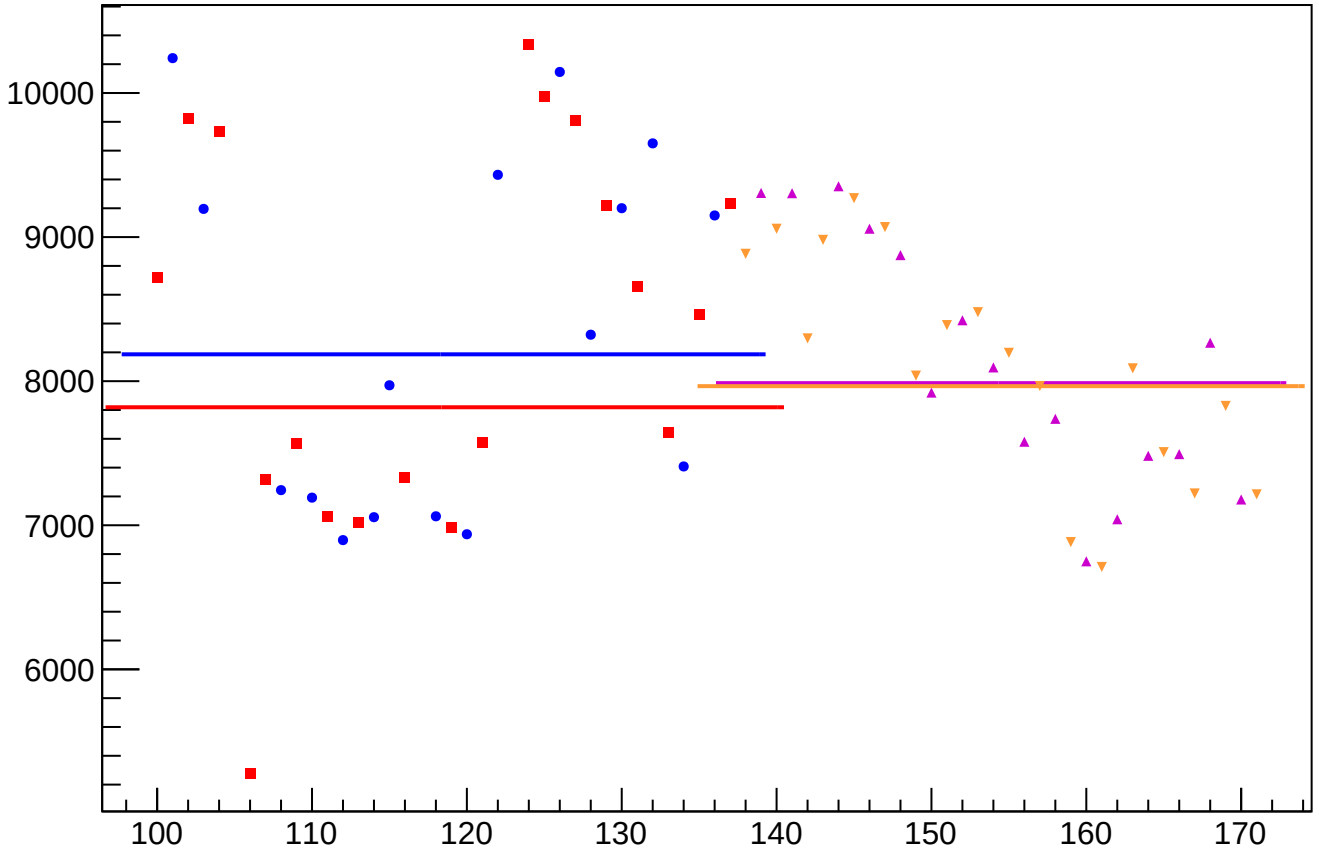
Left In: 8.536+/-2.220 χ^2/NDF:20.6/15

+ sign 2.226+/-1.752 χ^2/NDF: 139.9/33

All: 2.212+/-1.243 χ^2/NDF: 213.0/68

- sign 2.198+/-1.763 χ^2/NDF: 73.1/34

diff_bpm0l09X_rms vs Slug



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7965.420+/-1.506 χ^2/NDF:269432.0/17

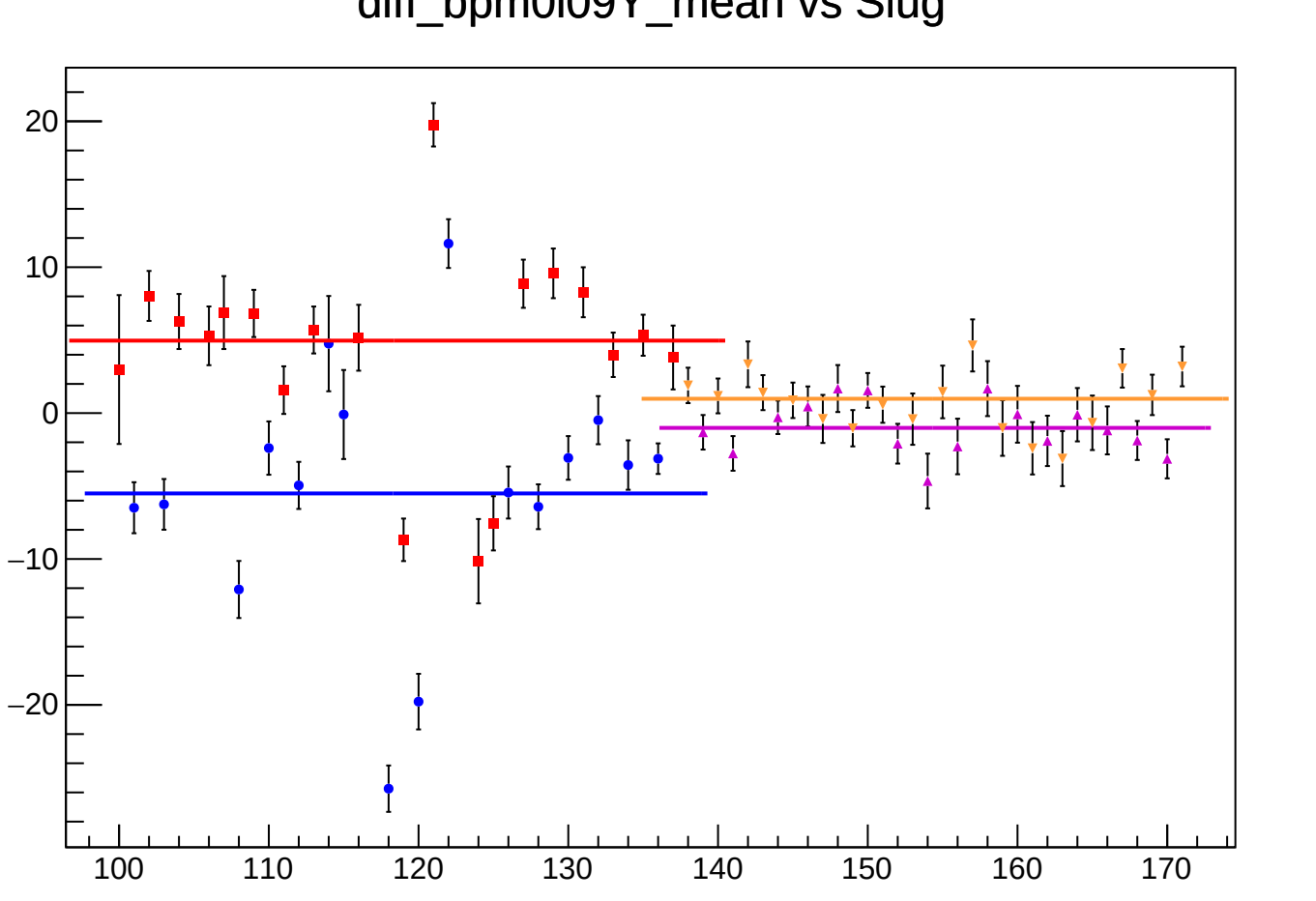
Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 7986.371+/-1.570 χ^2/NDF:276552.1/15

+ sign 8036.863+/-1.239 χ^2/NDF: 567018.1/33

All: 7981.006+/-0.879 χ^2/NDF: 1274861.0/68

- sign 7924.483+/-1.246 χ^2/NDF: 703753.9/34



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.982+/-0.342 χ^2/NDF:26.7/17

Right Out: 4.967+/-0.410 χ^2/NDF: 287.3/18

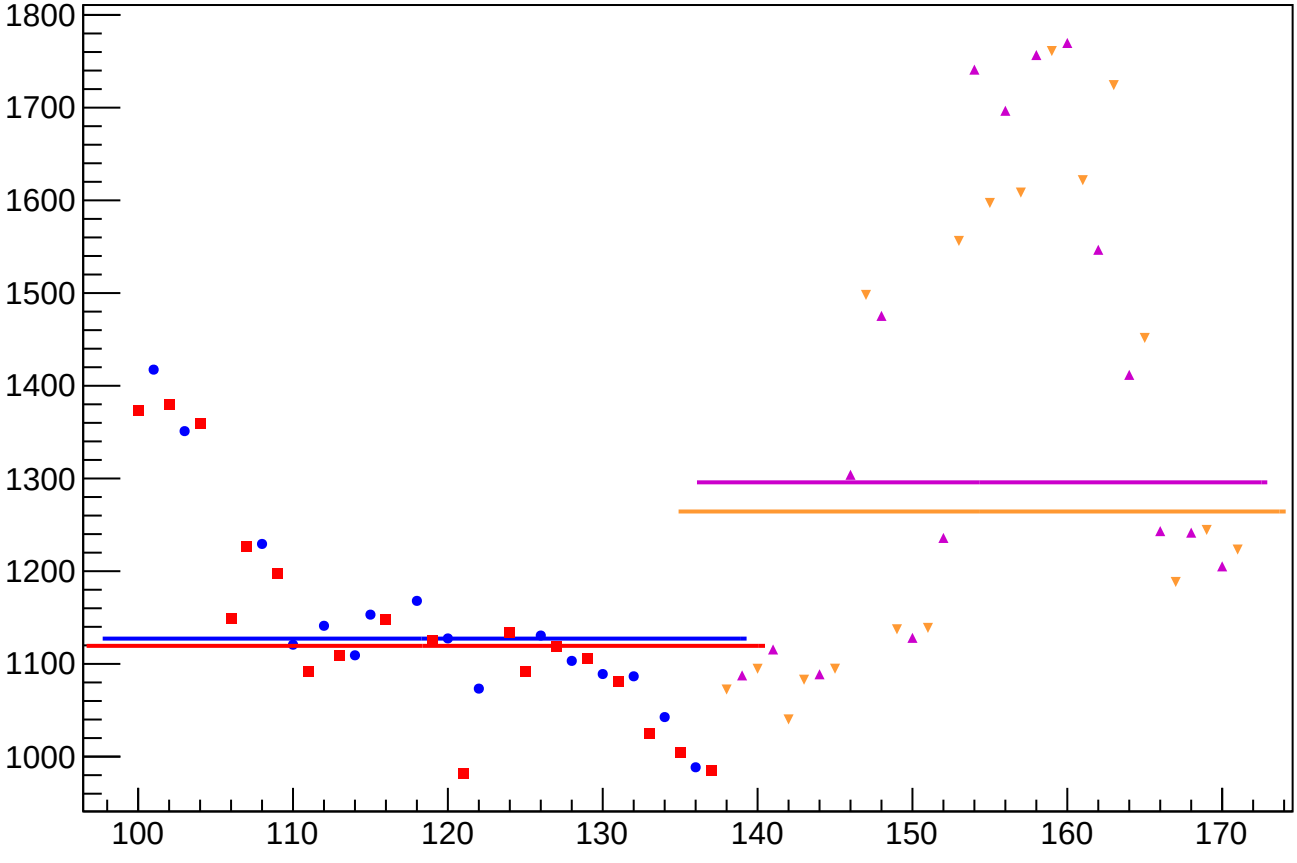
Left In: -1.014+/-0.363 χ^2/NDF:21.8/15

+ sign -1.596+/-0.265 χ^2/NDF: 539.8/33

All: -0.031+/-0.190 χ^2/NDF: 1039.3/68

- sign 1.616+/-0.272 χ^2/NDF: 428.2/34

diff_bpm0l09Y_rms vs Slug



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1264.392+/-0.242 χ^2/NDF:858490.6/17

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

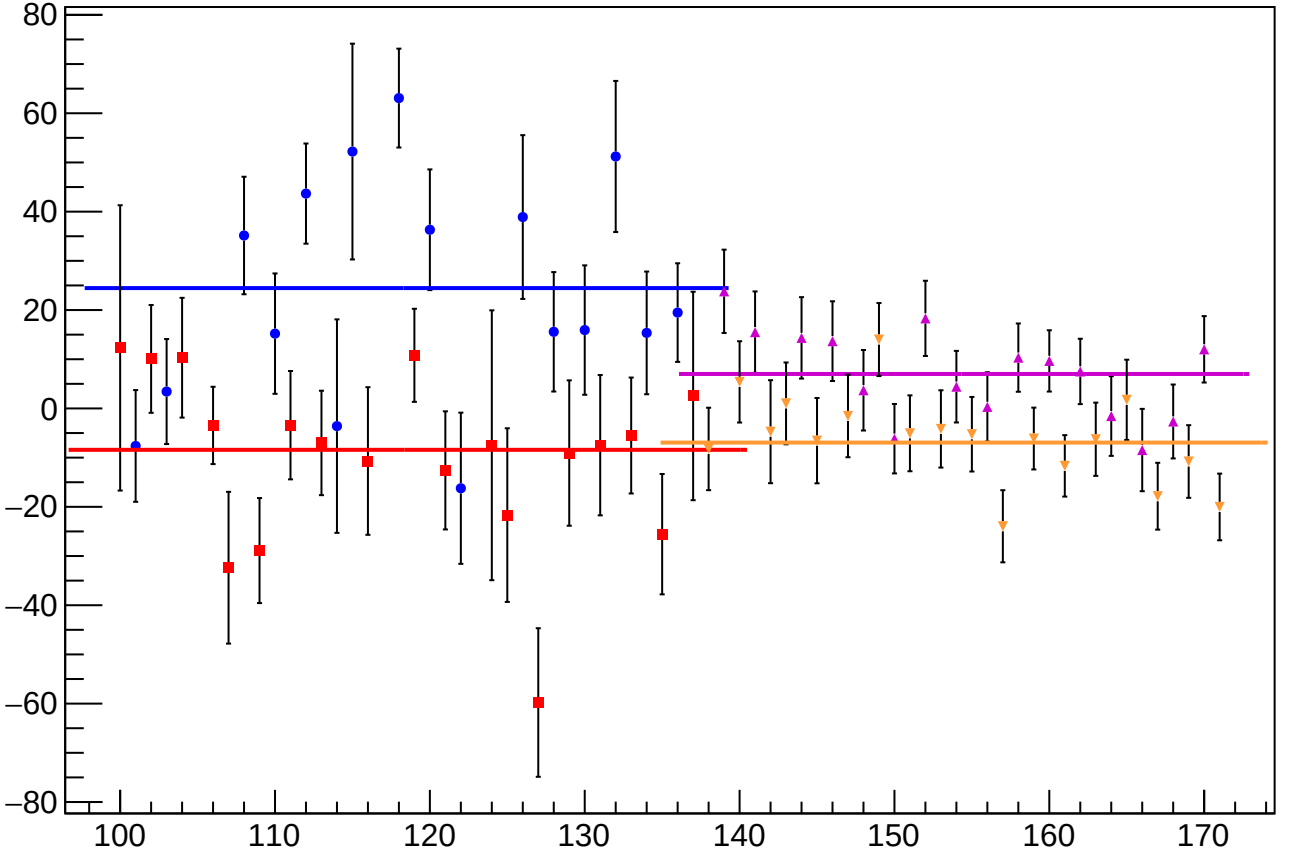
Left In: 1295.844+/-0.257 χ^2/NDF:745874.0/15

+ sign 1209.913+/-0.188 χ^2/NDF: 1127007.8/33

All: 1213.999+/-0.134 χ^2/NDF: 2221621.2/68

- sign 1218.297+/-0.192 χ^2/NDF: 1093640.1/34

diff_bpm0l10X_mean vs Slug



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.940+/-1.787 χ^2/NDF:25.5/17

Right Out: -8.413+/-2.891 χ^2/NDF: 31.1/18

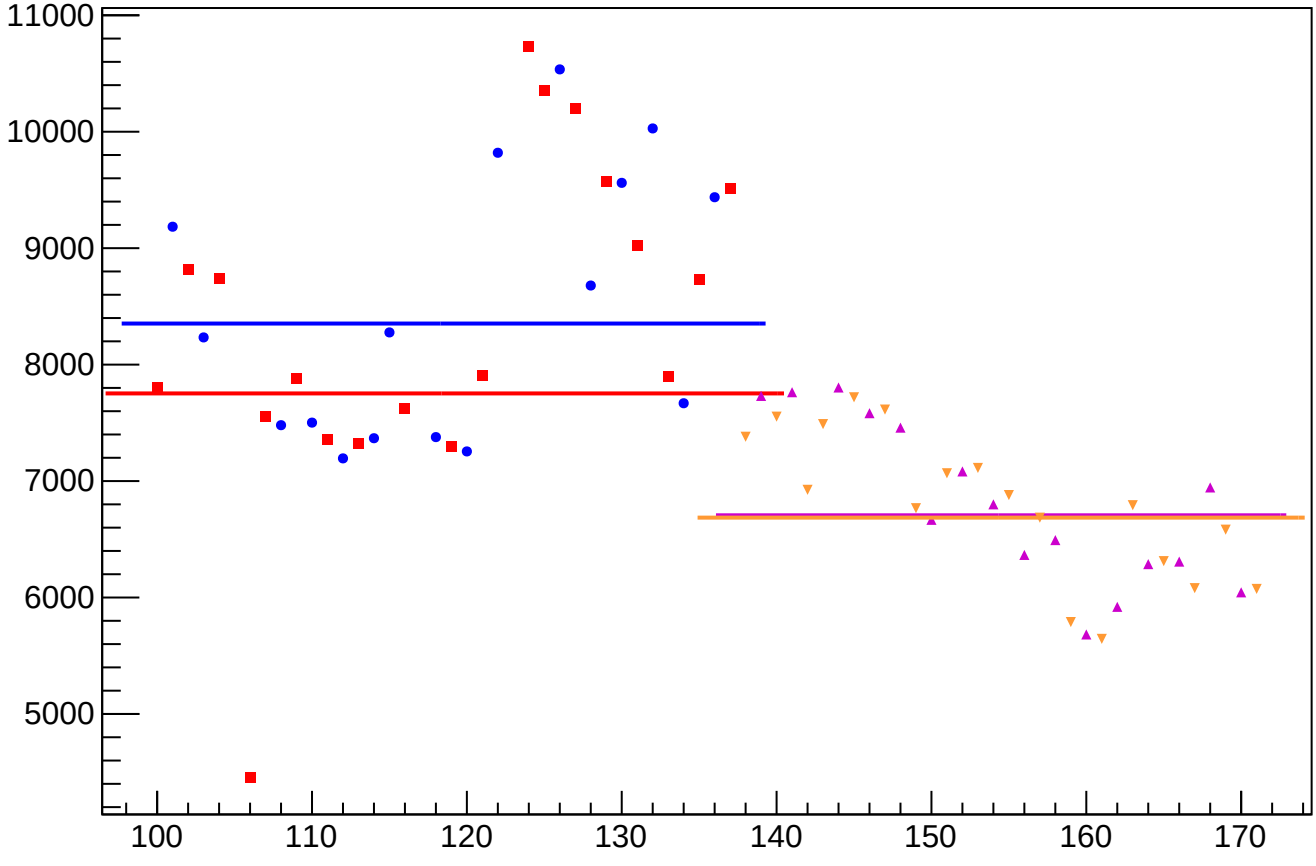
Left In: 7.006+/-1.864 χ^2/NDF:20.5/15

+ sign 0.760+/-1.553 χ^2/NDF: 149.5/33

All: 1.612+/-1.103 χ^2/NDF: 221.8/68

- sign 2.479+/-1.566 χ^2/NDF: 71.7/34

diff_bpm0l10X_rms vs Slug



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6686.101+/-1.264 χ^2/NDF:254209.8/17

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

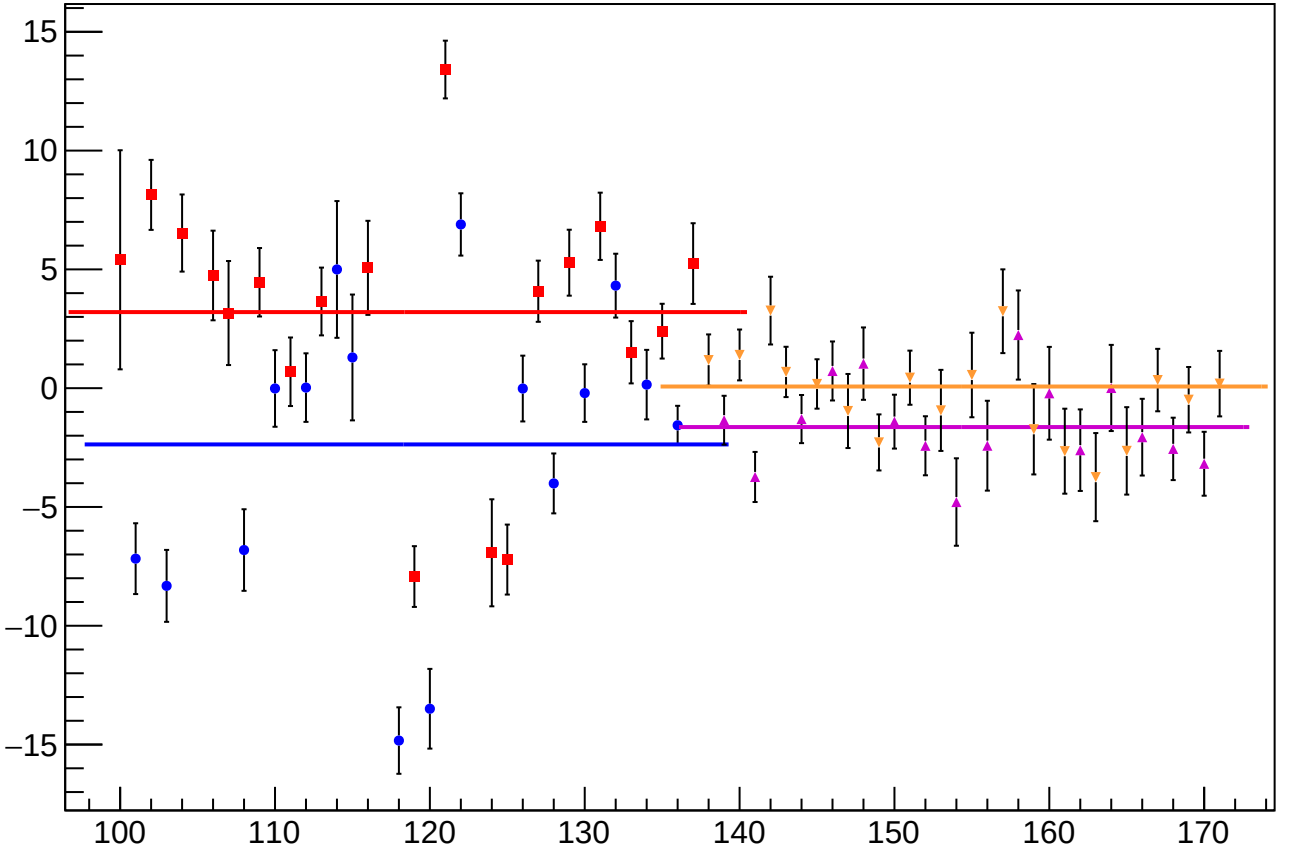
Left In: 6706.049+/-1.318 χ^2/NDF:262291.9/15

+ sign 7094.742+/-1.098 χ^2/NDF: 900976.2/33

All: 7054.366+/-0.780 χ^2/NDF: 1939255.2/68

- sign 7013.288+/-1.108 χ^2/NDF: 1035551.4/34

diff_bpm0l10Y_mean vs Slug



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.070+/-0.321 χ^2/NDF:26.0/17

Right Out: 3.203+/-0.346 χ^2/NDF: 250.5/18

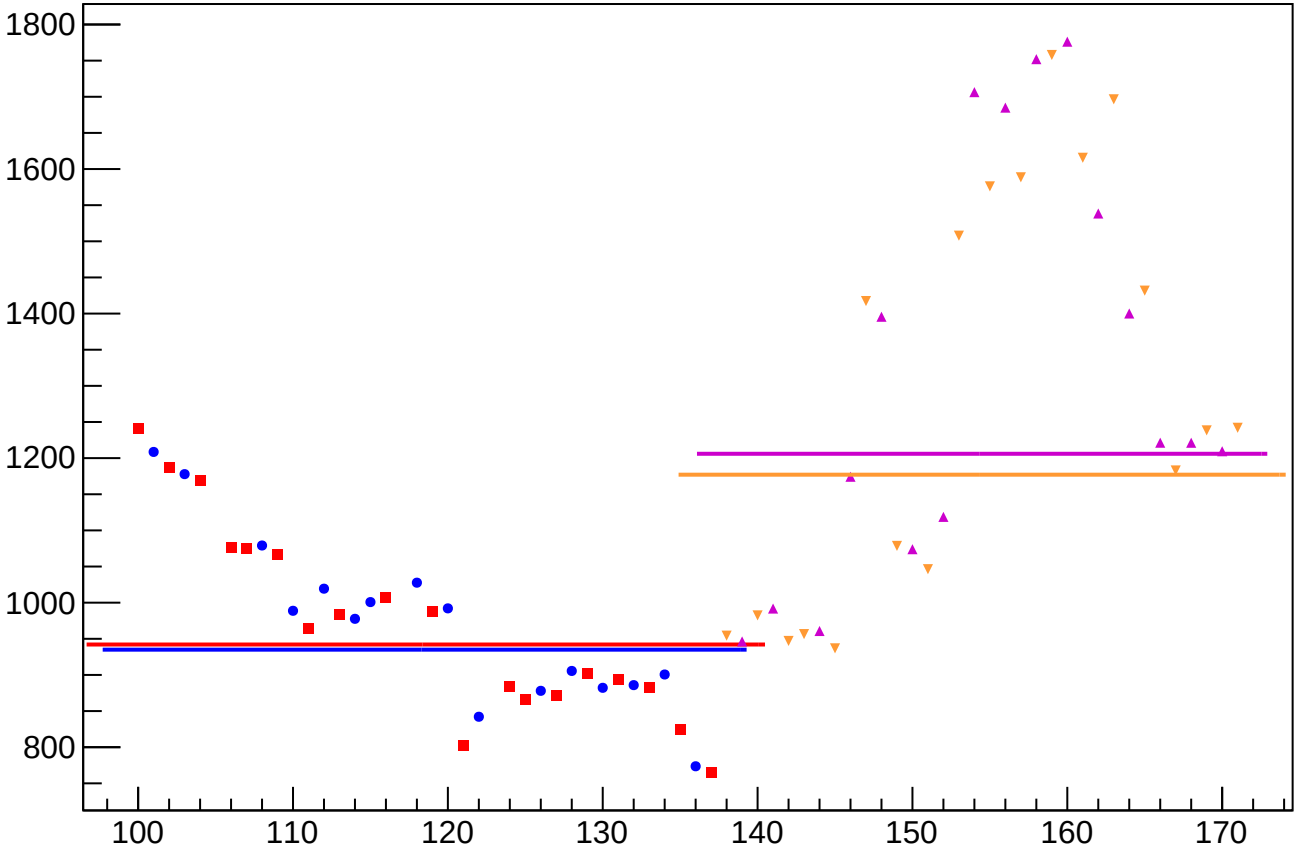
Left In: -1.637+/-0.341 χ^2/NDF:22.2/15

\+ sign -1.041+/-0.237 χ^2/NDF: 307.9/33

All: -0.172+/-0.169 χ^2/NDF: 707.5/68

\- sign 0.745+/-0.243 χ^2/NDF: 371.9/34

diff_bpm0l10Y_rms vs Slug



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1177.084+/-0.227 χ^2/NDF:1279490.9/17

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

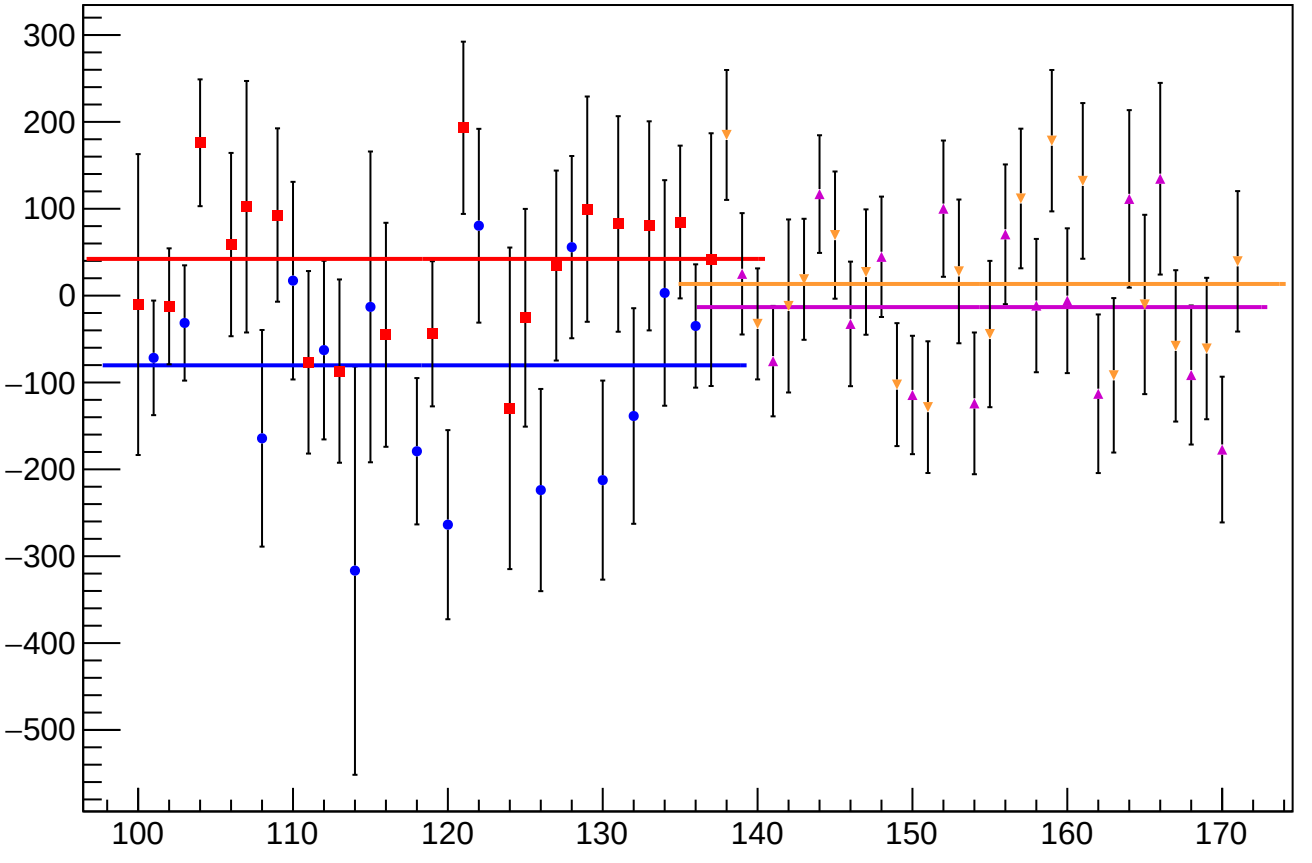
Left In: 1206.011+/-0.241 χ^2/NDF:1110810.1/15

+ sign 1066.763+/-0.167 χ^2/NDF: 2053449.8/33

All: 1071.329+/-0.120 χ^2/NDF: 3988017.8/68

- sign 1076.145+/-0.172 χ^2/NDF: 1933037.2/34

diff_bpm0r03X_mean vs Slug



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 13.433+/-18.712 χ^2/NDF:23.6/17

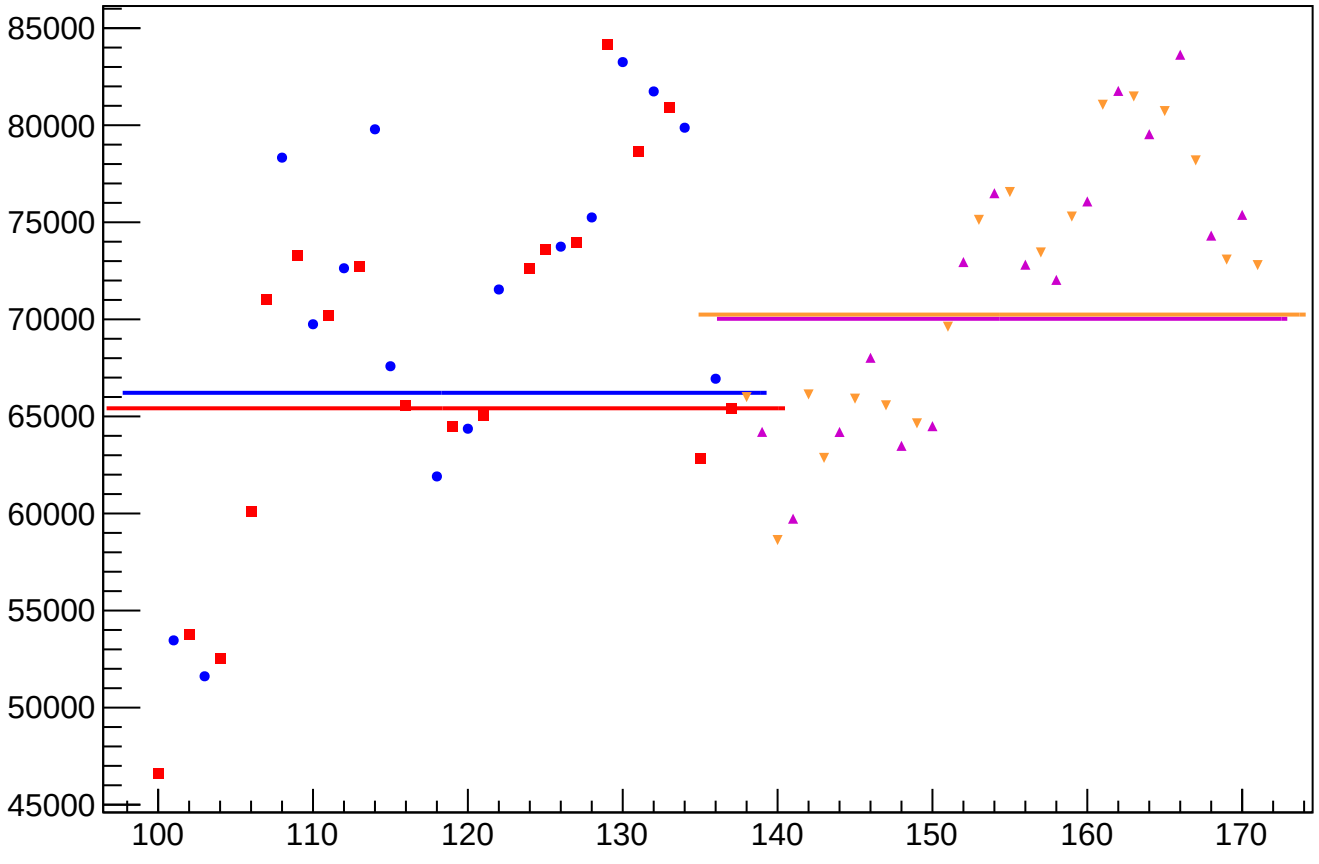
Right Out: 42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -13.218+/-19.369 χ^2/NDF:22.2/15

+ sign -20.364+/-14.961 χ^2/NDF: 47.4/33

All: -6.070+/-10.631 χ^2/NDF: 87.7/68

- sign 8.506+/-15.108 χ^2/NDF: 38.4/34



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70245.977+/-13.232 χ^2/NDF:258183.6/17

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

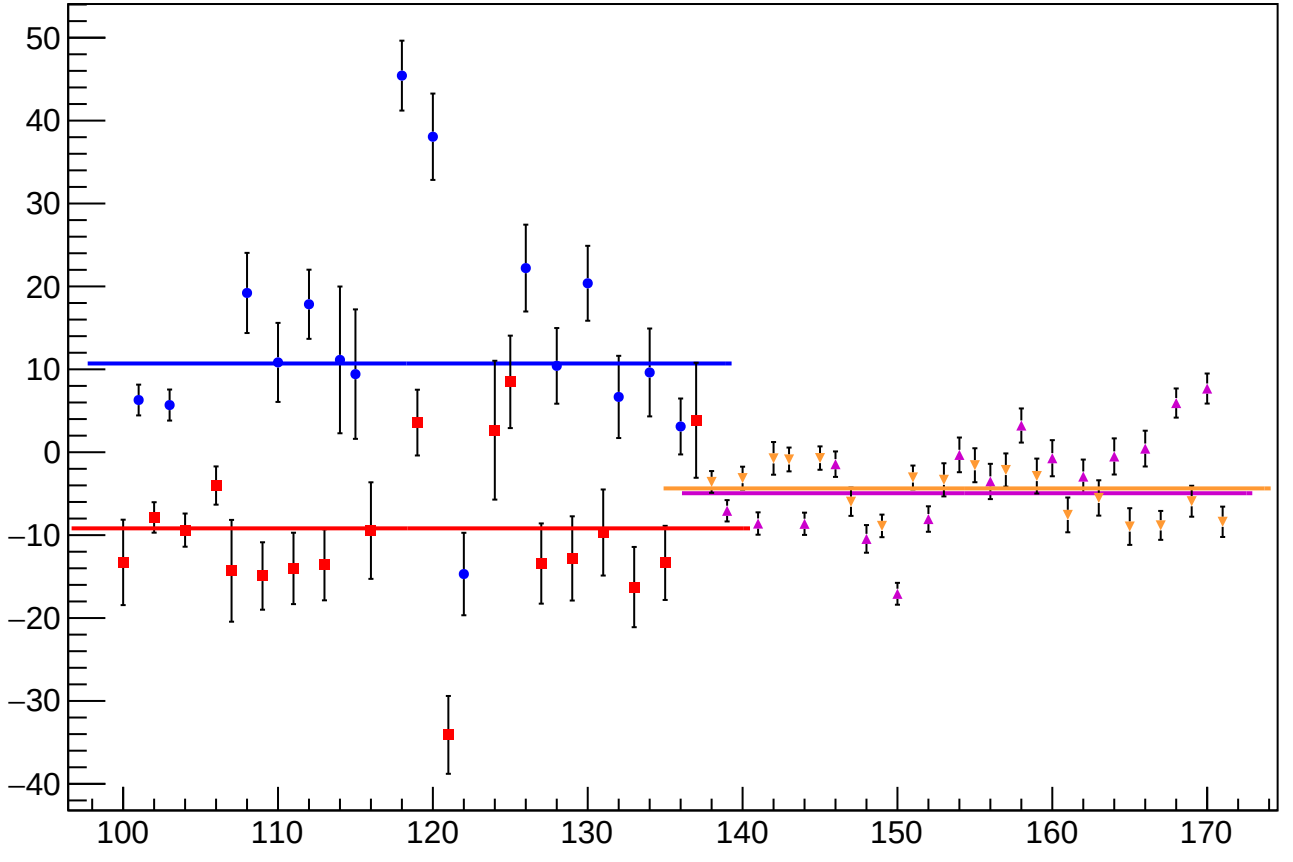
Left In: 70028.782+/-13.696 χ^2/NDF:238063.4/15

+ sign 68792.193+/-10.579 χ^2/NDF: 630024.4/33

All: 68510.687+/-7.517 χ^2/NDF: 1218441.3/6

- sign 68223.612+/-10.683 χ^2/NDF: 586986.7/34

diff_bpm0r03Y_mean vs Slug



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.364+/-0.400 χ^2/NDF:52.8/17

Right Out: -9.182+/-0.850 χ^2/NDF: 69.6/18

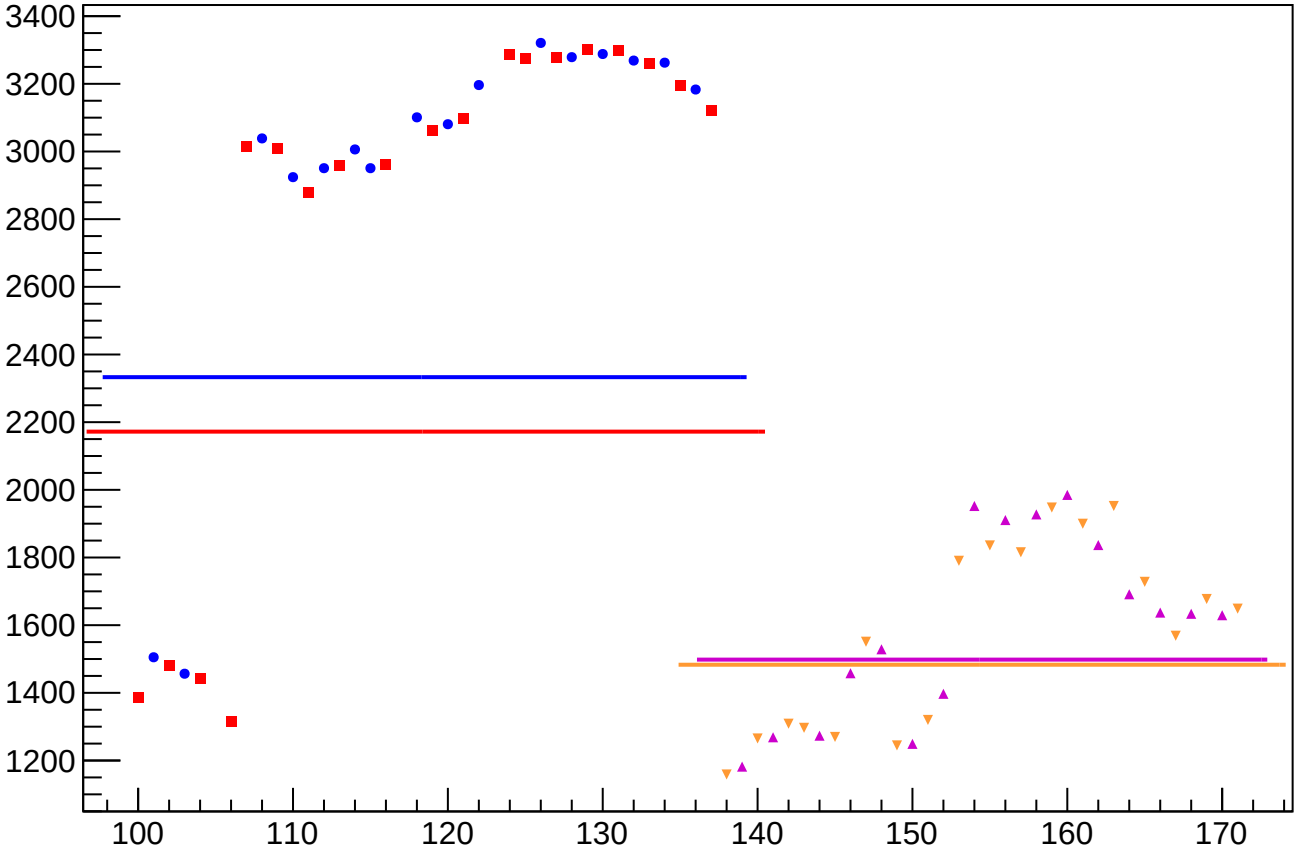
Left In: -4.945+/-0.420 χ^2/NDF:245.3/15

+ sign -1.970+/-0.367 χ^2/NDF: 433.7/33

All: -3.824+/-0.263 χ^2/NDF: 821.0/68

- sign -5.775+/-0.376 χ^2/NDF: 334.8/34

diff_bpm0r03Y_rms vs Slug



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1483.090+/-0.283 χ^2/NDF:859811.8/17

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

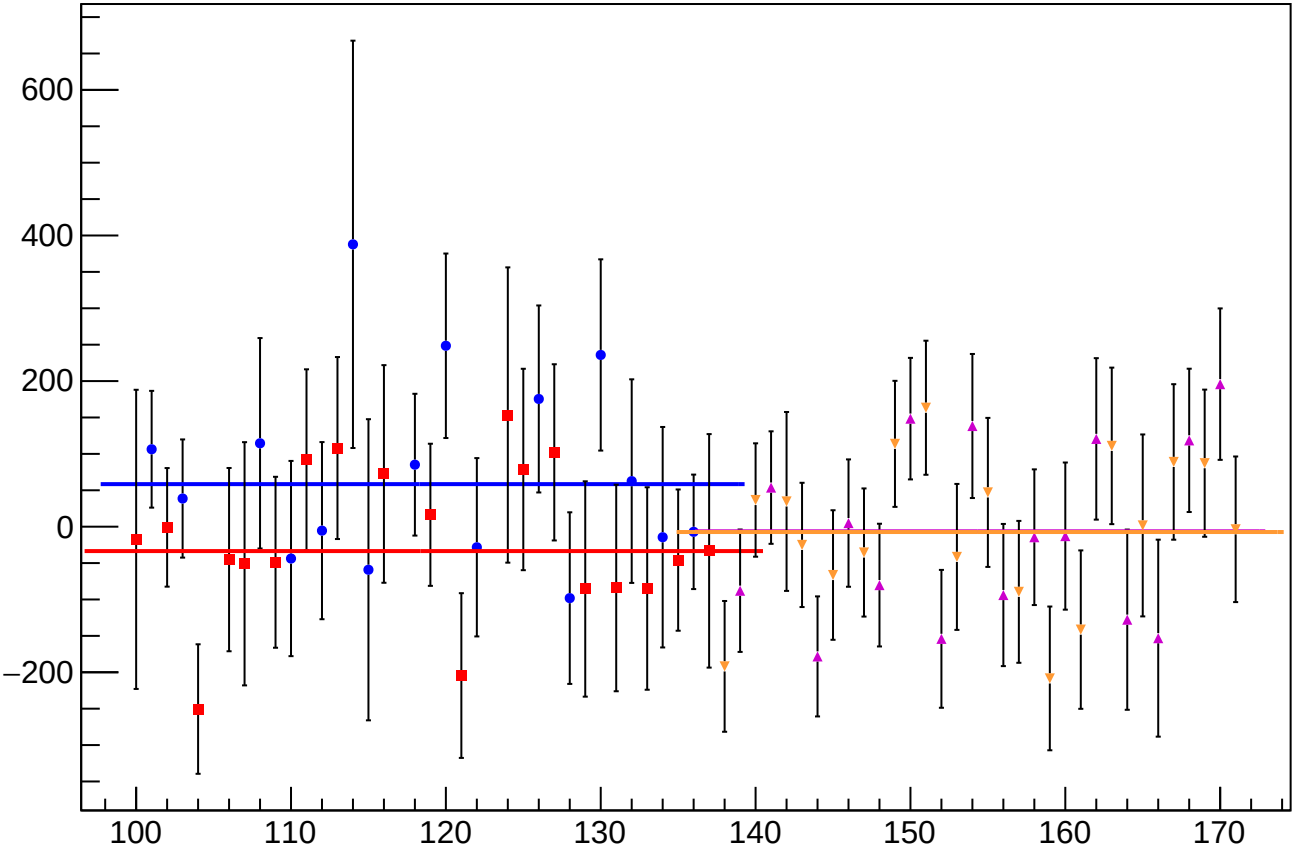
Left In: 1498.216+/-0.297 χ^2/NDF:773763.7/15

+ sign 1618.106+/-0.259 χ^2/NDF: 3945298.5/33

All: 1624.046+/-0.186 χ^2/NDF: 7714512.0/68

- sign 1630.296+/-0.266 χ^2/NDF: 3768137.9/34

diff_bpm0r05X_mean vs Slug



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -7.338+/-22.807 χ^2/NDF:20.3/17

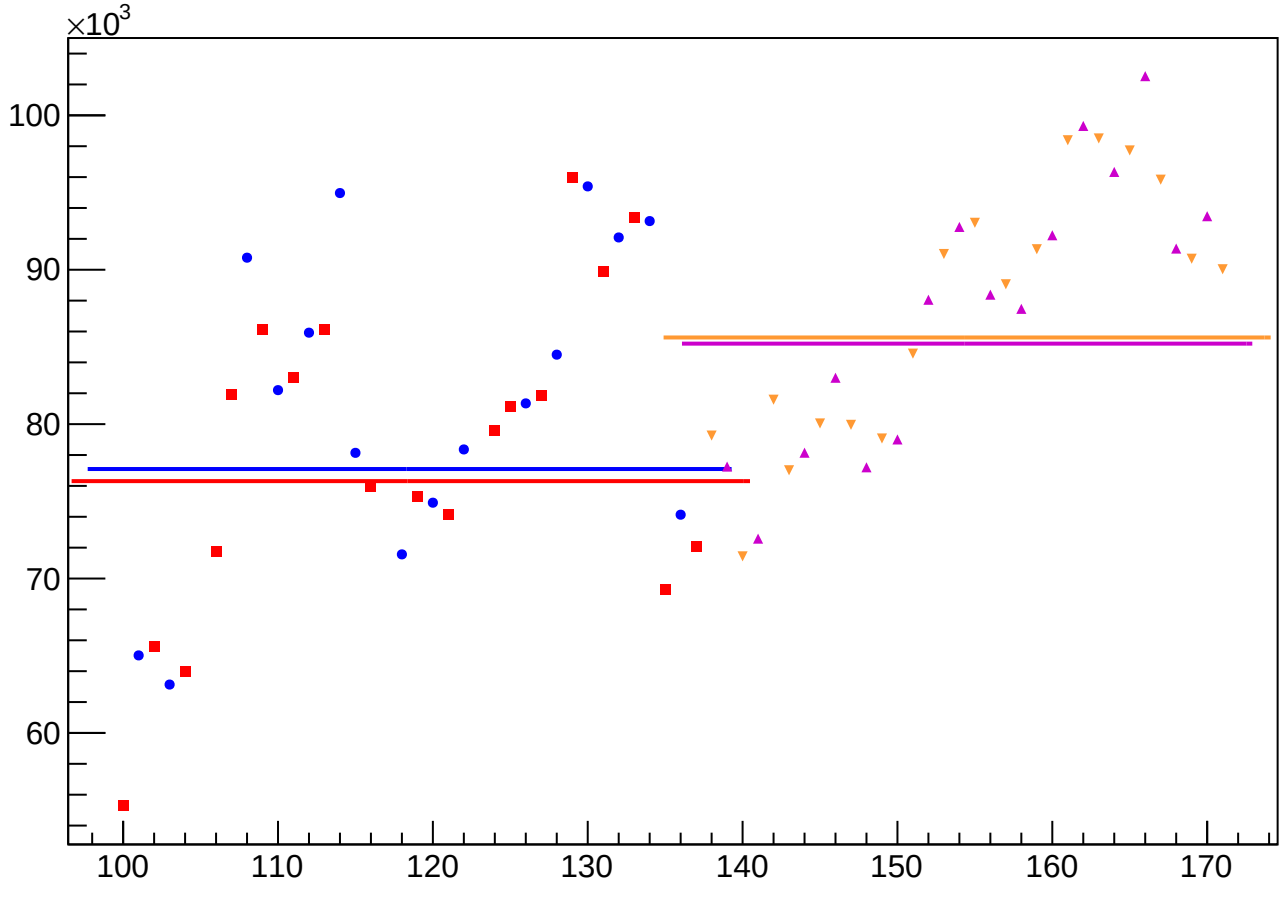
Right Out: -33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -6.341+/-23.575 χ^2/NDF:24.3/15

+ sign 17.890+/-17.908 χ^2/NDF: 34.8/33

All: 0.314+/-12.717 χ^2/NDF: 76.3/68

- sign -17.566+/-18.062 χ^2/NDF: 39.6/34



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85612.795+/-16.127 χ^2/NDF:254491.8/17

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

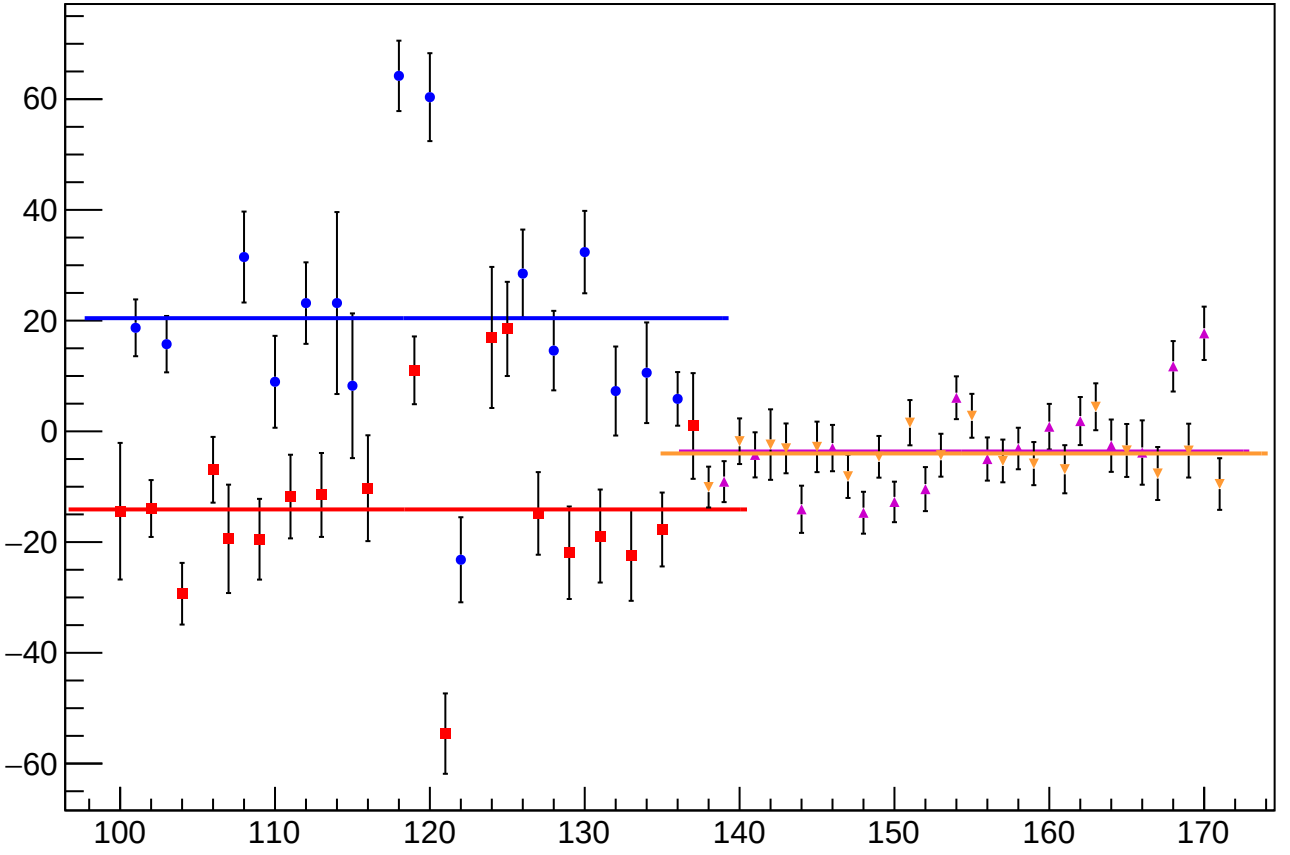
Left In: 85213.872+/-16.670 χ^2/NDF:244497.3/15

+ sign 82345.535+/-12.663 χ^2/NDF: 610060.0/33

All: 81944.249+/-8.992 χ^2/NDF: 1208876.0/6

- sign 81536.018+/-12.772 χ^2/NDF: 596790.0/34

diff_bpm0r05Y_mean vs Slug



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.994+/-1.001 χ^2/NDF:15.8/17

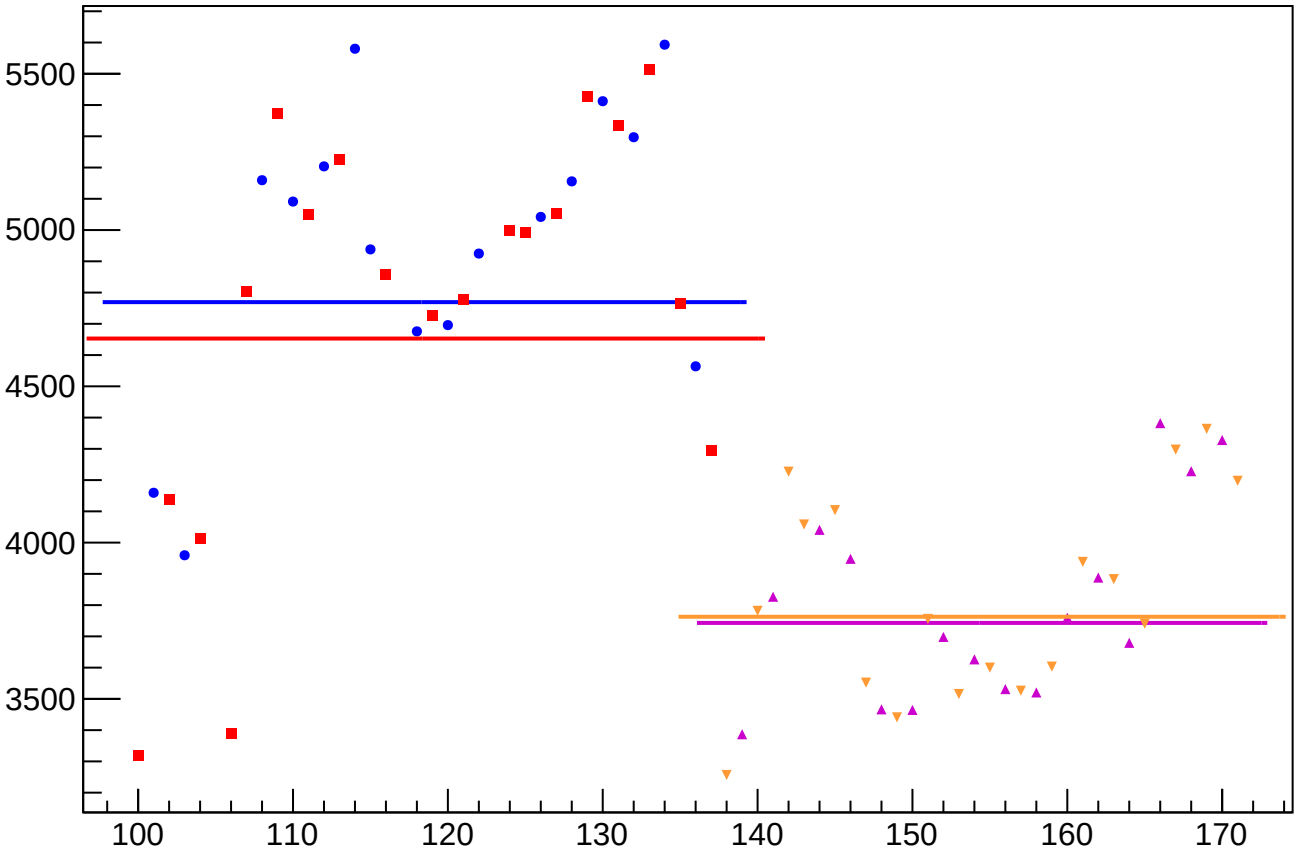
Right Out: -14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: -3.638+/-1.034 χ^2/NDF:66.2/15

+ sign 1.868+/-0.873 χ^2/NDF: 286.6/33

All: -2.222+/-0.622 χ^2/NDF: 508.5/68

- sign -6.432+/-0.886 χ^2/NDF: 177.3/34



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3762.802+/-0.708 χ^2/NDF:188792.9/17

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

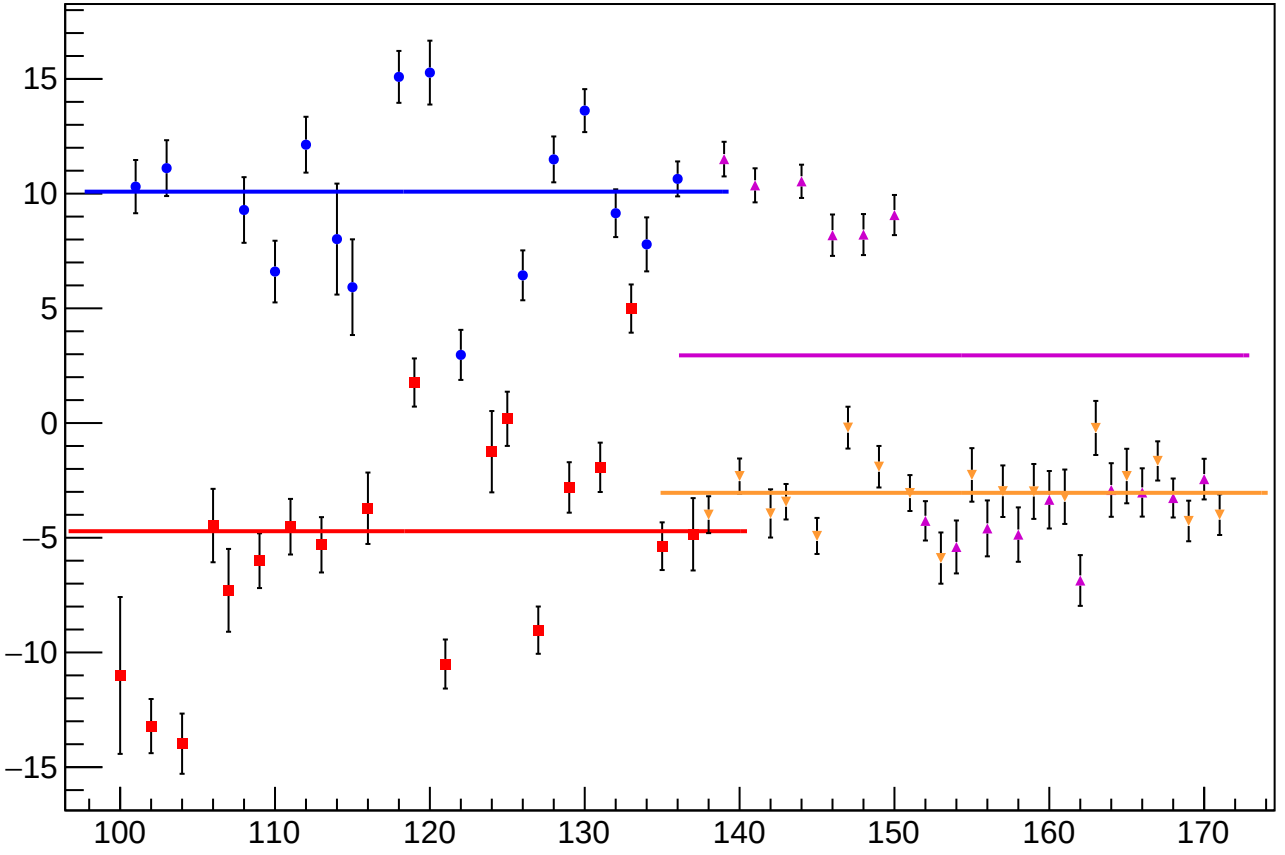
Left In: 3743.054+/-0.731 χ^2/NDF:150233.7/15

+ sign 4004.267+/-0.617 χ^2/NDF: 825538.3/33

All: 3995.298+/-0.440 χ^2/NDF: 1654588.8/68

- sign 3986.065+/-0.626 χ^2/NDF: 828621.8/34

diff_bpm2i01X_mean vs Slug



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.042+/-0.220 χ^2/NDF:39.1/17

Right Out: -4.715+/-0.286 χ^2/NDF: 310.2/18

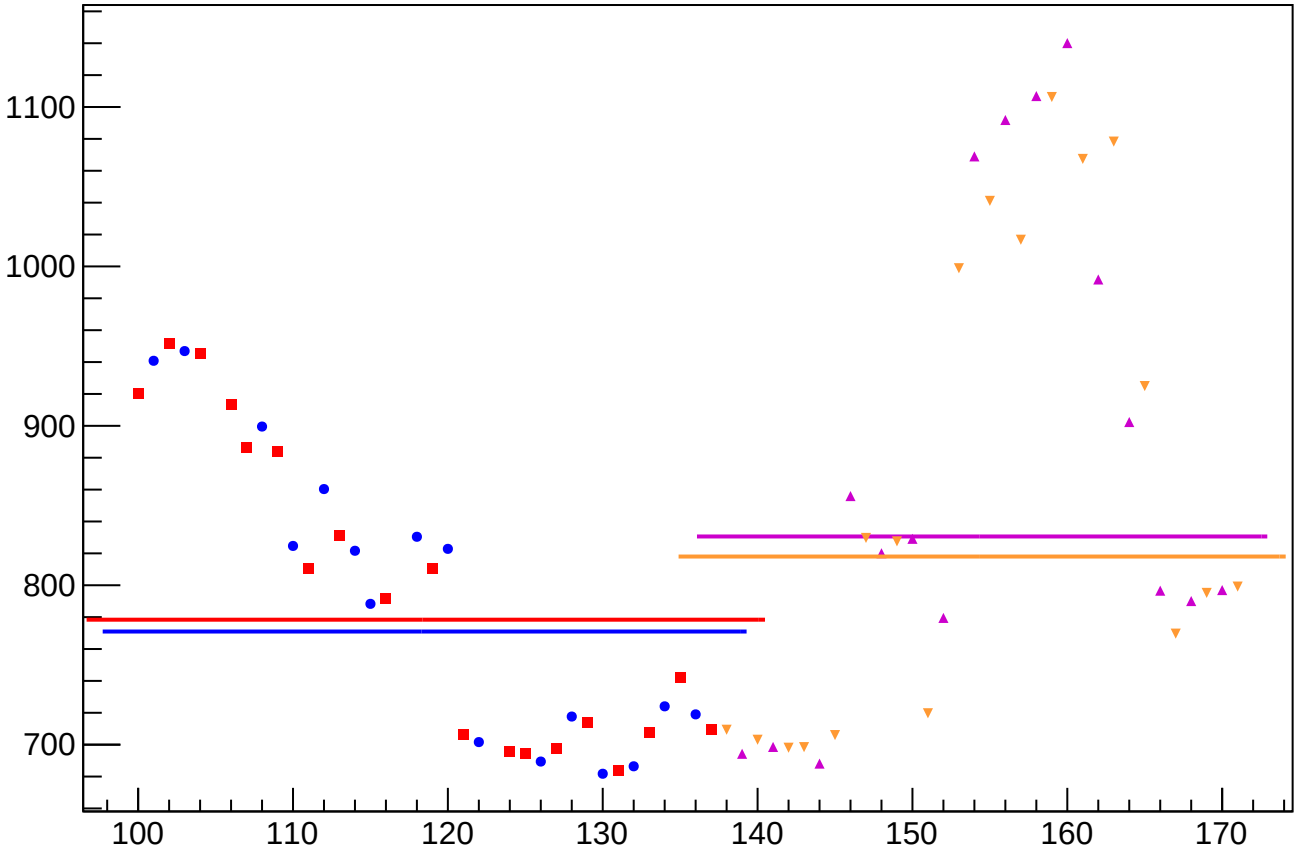
Left In: 2.950+/-0.233 χ^2/NDF:911.5/15

+ sign 1.799+/-0.175 χ^2/NDF: 1471.4/33

All: 0.876+/-0.126 χ^2/NDF: 3183.2/68

- sign -0.103+/-0.180 χ^2/NDF: 1654.6/34

diff_bpm2i01X_rms vs Slug



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.012+/-0.156 χ^2/NDF:743188.9/17

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

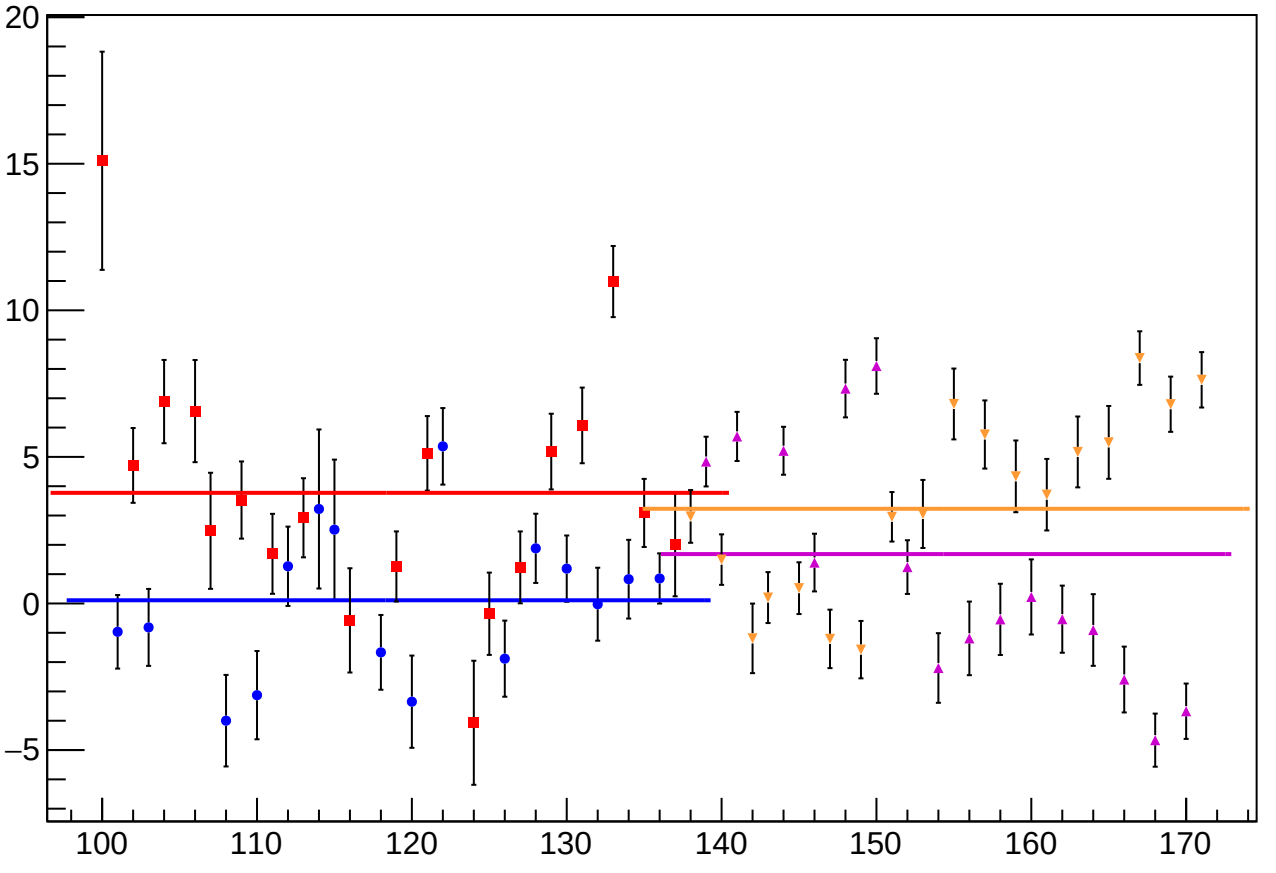
Left In: 830.598+/-0.164 χ^2/NDF:681901.7/15

+ sign 800.667+/-0.124 χ^2/NDF: 969692.9/33

All: 805.100+/-0.089 χ^2/NDF: 1890938.5/68

- sign 809.803+/-0.128 χ^2/NDF: 918604.2/34

diff_bpm2i01Y_mean vs Slug



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 3.230+/-0.238 χ^2/NDF:171.6/17

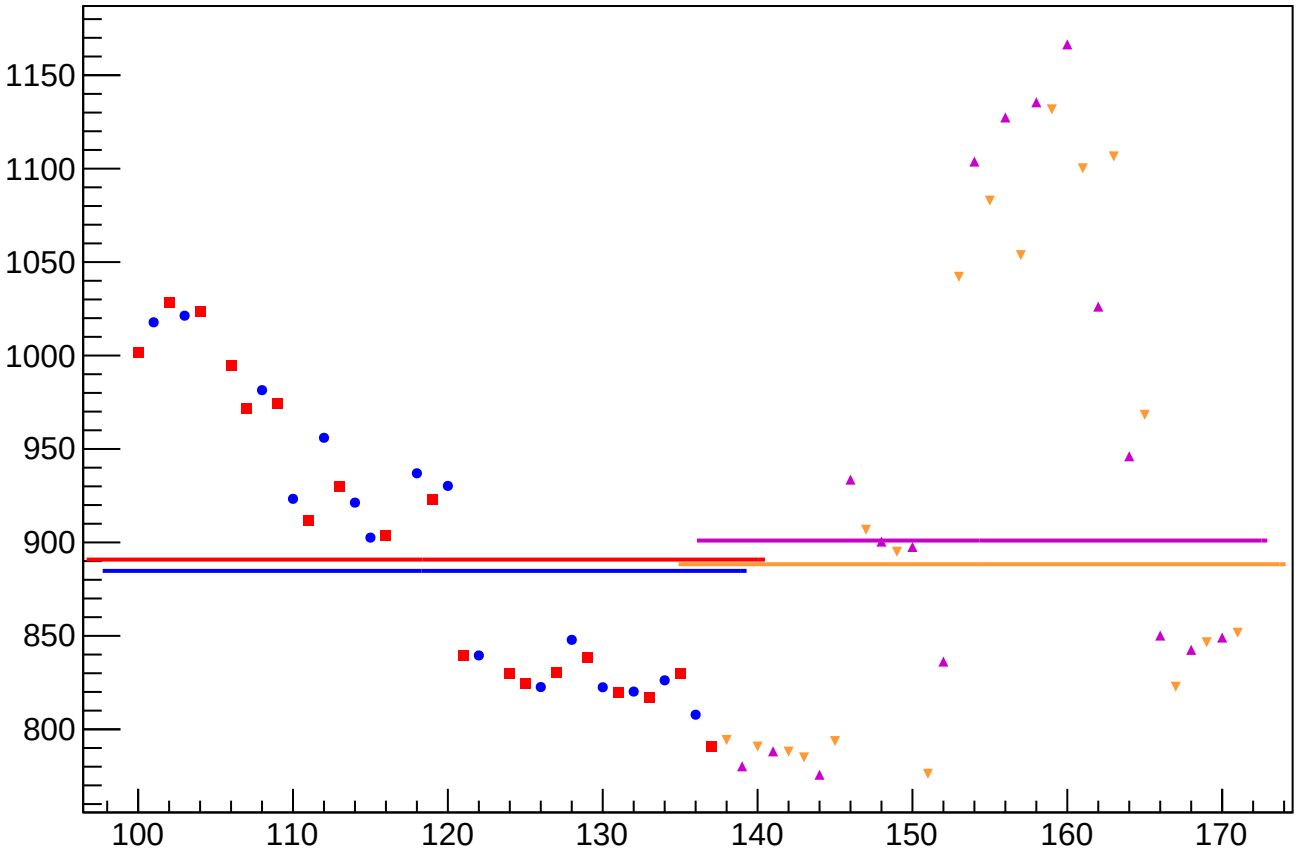
Right Out: 3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: 1.685+/-0.251 χ^2/NDF:259.3/15

+ sign 2.161+/-0.193 χ^2/NDF: 275.8/33

All: 2.307+/-0.139 χ^2/NDF: 661.6/68

- sign 2.462+/-0.199 χ^2/NDF: 384.6/34



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 888.324+/-0.168 χ^2/NDF:506634.5/17

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

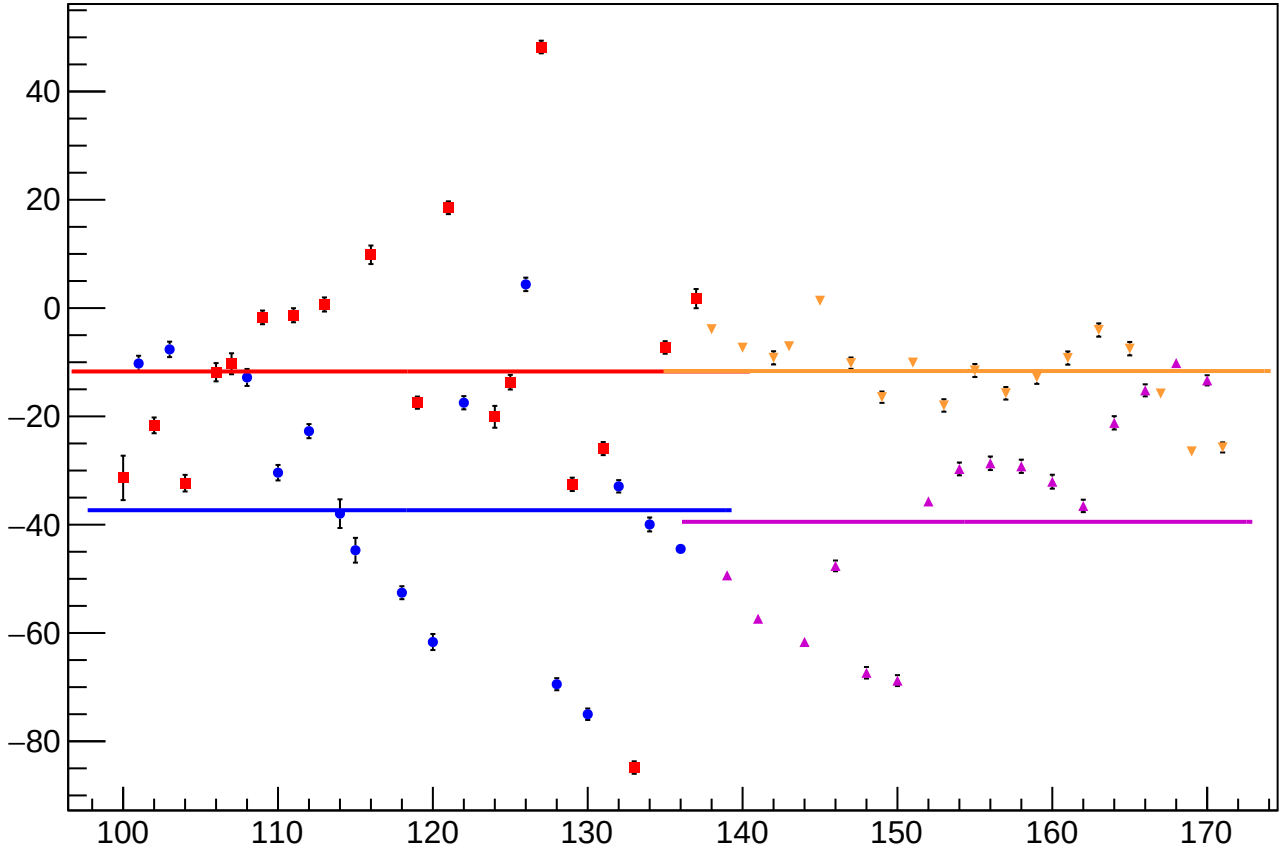
Left In: 901.006+/-0.177 χ^2/NDF:464855.9/15

\+ sign 887.108+/-0.137 χ^2/NDF: 611280.9/33

All: 892.013+/-0.098 χ^2/NDF: 1187787.2/68

\- sign 897.216+/-0.141 χ^2/NDF: 573846.5/34

diff_bpm2i02X_mean vs Slug



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -11.625+/-0.241 χ^2/NDF:958.0/17

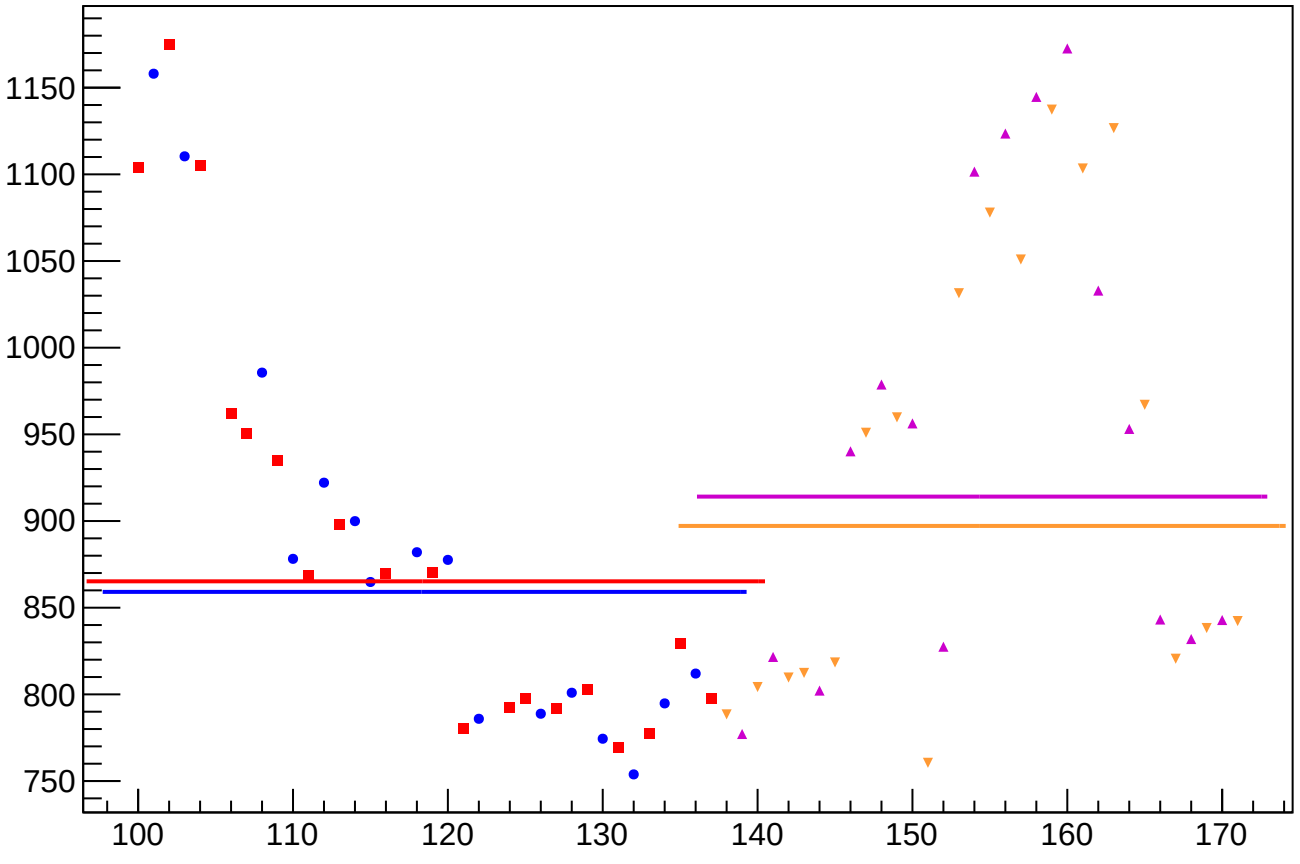
Right Out: -11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: -39.471+/-0.255 χ^2/NDF:5653.8/15

+ sign -20.842+/-0.193 χ^2/NDF: 10237.0/33

All: -24.611+/-0.138 χ^2/NDF: 29790.6/68

- sign -28.621+/-0.199 χ^2/NDF: 18764.0/34



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 897.172+/-0.170 χ^2/NDF:507336.4/17

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

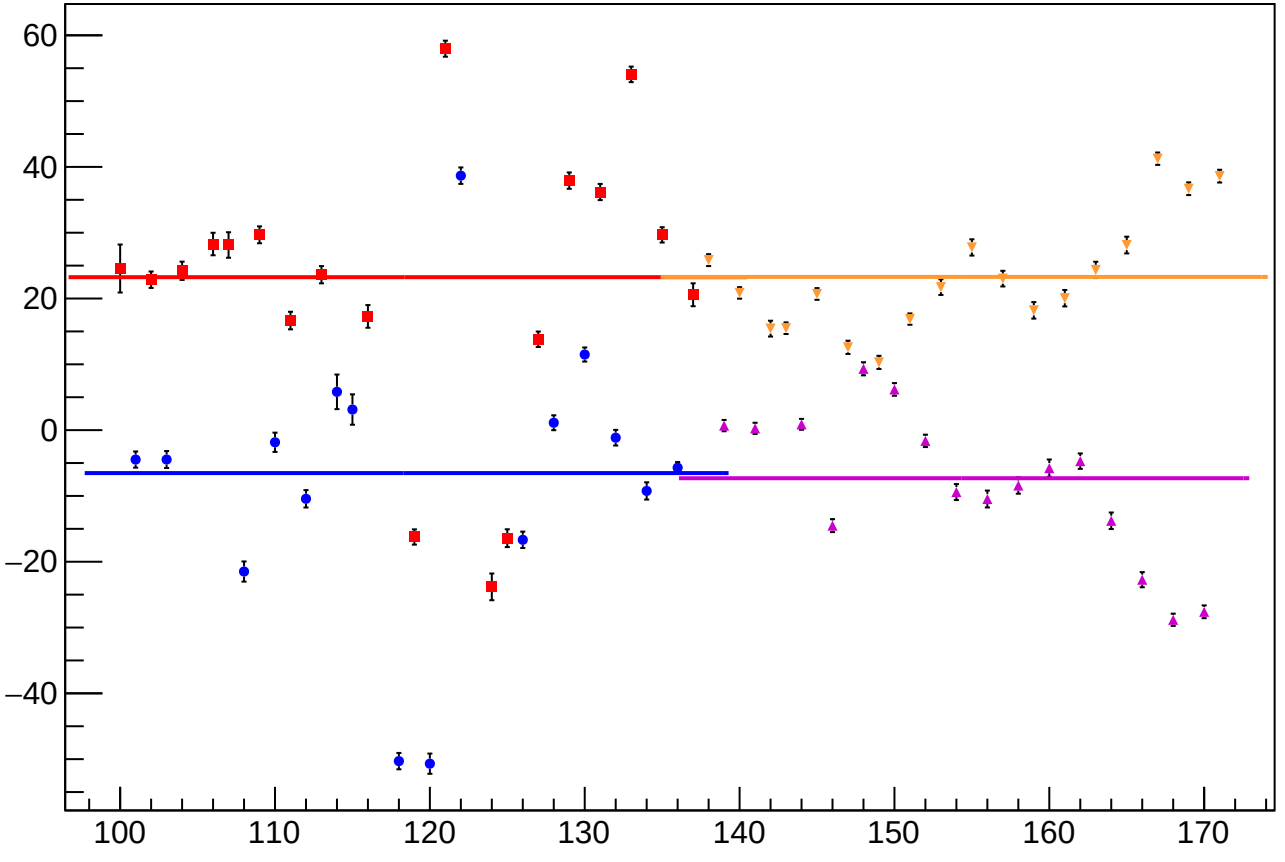
Left In: 914.089+/-0.180 χ^2/NDF:457408.2/15

+ sign 883.529+/-0.136 χ^2/NDF: 753985.0/33

All: 889.081+/-0.098 χ^2/NDF: 1467288.1/68

- sign 894.988+/-0.141 χ^2/NDF: 709875.3/34

diff_bpm2i02Y_mean vs Slug



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 23.282+/-0.243 χ^2/NDF:1341.2/17

Right Out: 23.244+/-0.317 χ^2/NDF: 4470.0/18

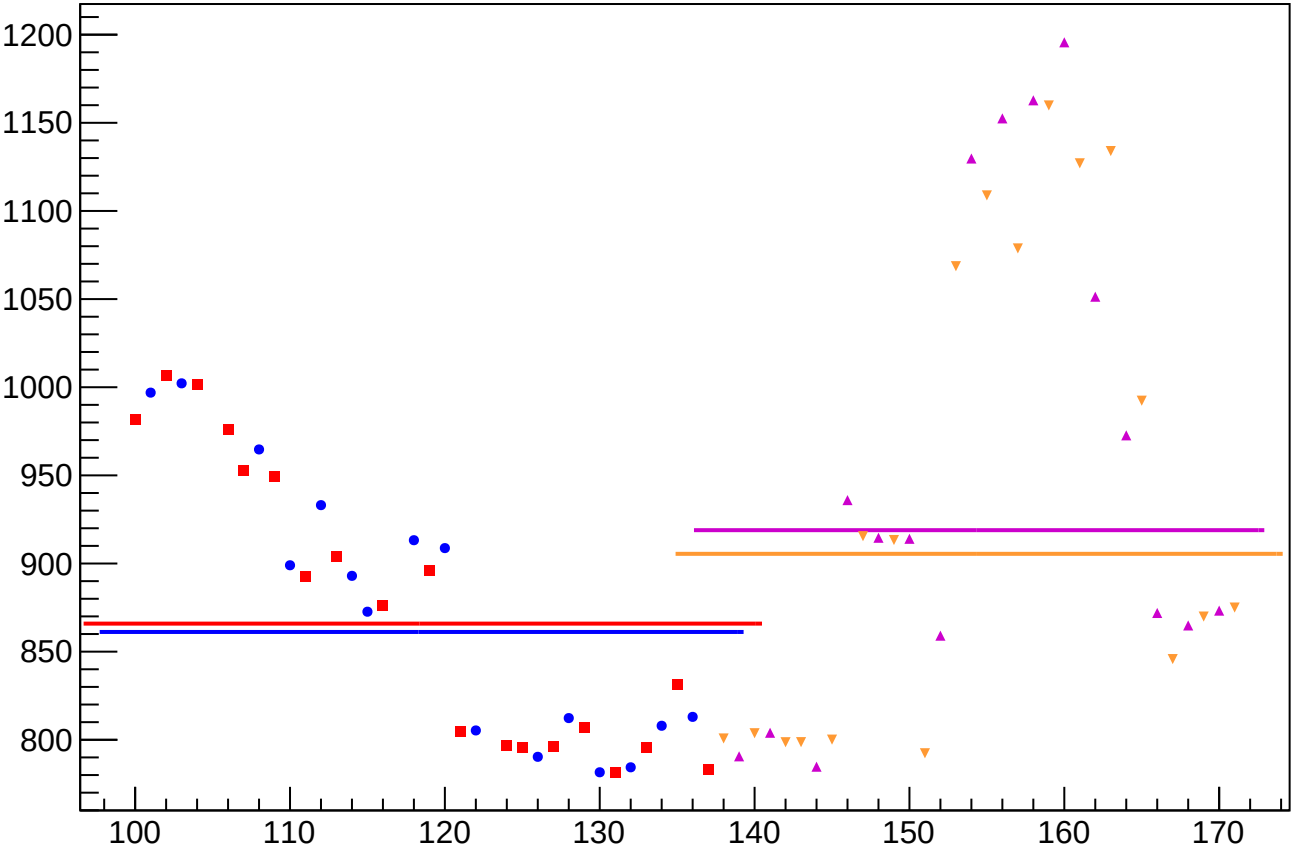
Left In: -7.310+/-0.256 χ^2/NDF:2020.6/15

+ sign 12.442+/-0.194 χ^2/NDF: 10769.1/33

All: 8.701+/-0.139 χ^2/NDF: 23650.2/68

- sign 4.747+/-0.199 χ^2/NDF: 12113.9/34

diff_bpm2i02Y_rms vs Slug



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.493+/-0.172 χ^2/NDF:530799.8/17

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

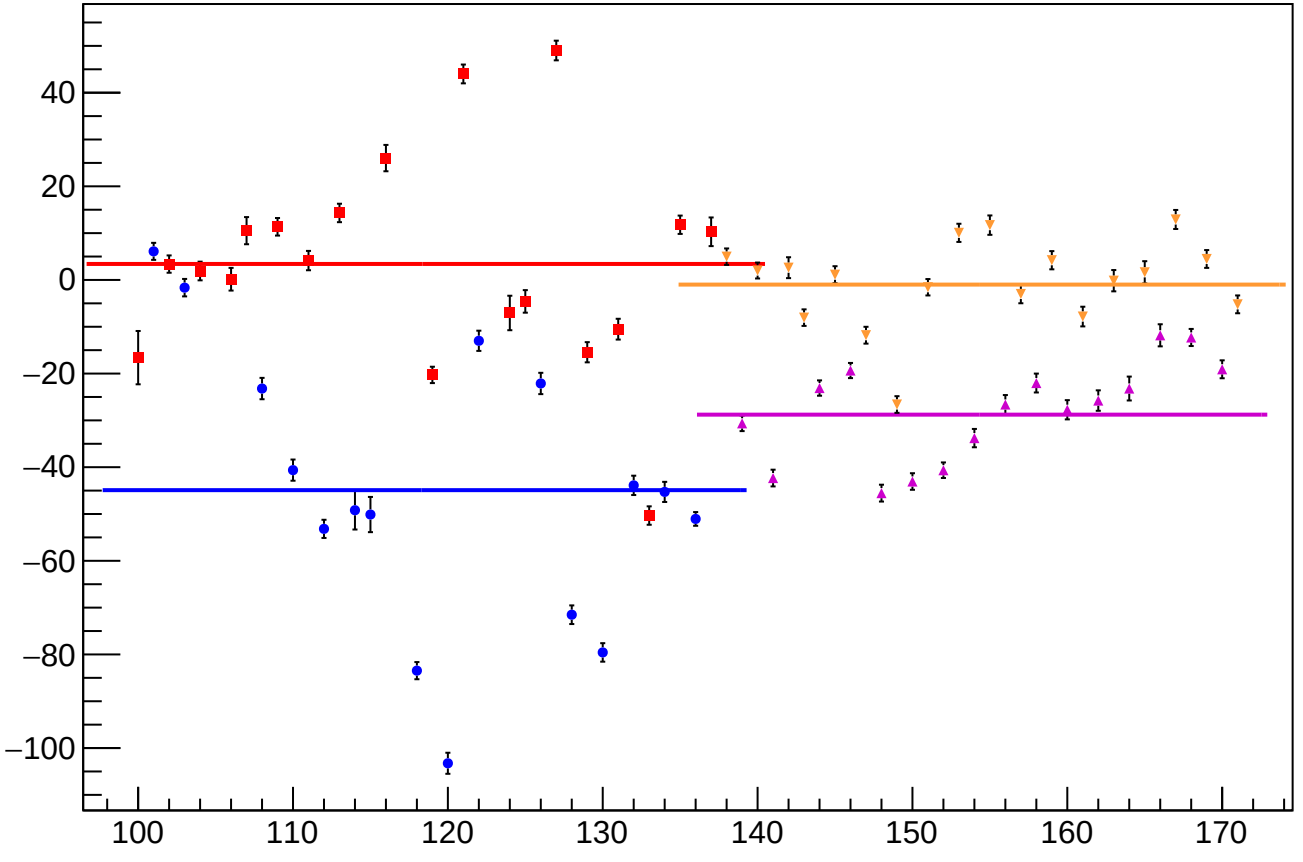
Left In: 918.915+/-0.181 χ^2/NDF:478048.1/15

+ sign 889.374+/-0.137 χ^2/NDF: 668565.7/33

All: 893.566+/-0.098 χ^2/NDF: 1300809.0/68

- sign 897.997+/-0.141 χ^2/NDF: 630316.5/34

diff_bpm0i02X_mean vs Slug



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -0.992+/-0.454 χ^2/NDF:428.8/17

Right Out: 3.416+/-0.509 χ^2/NDF: 2102.1/18

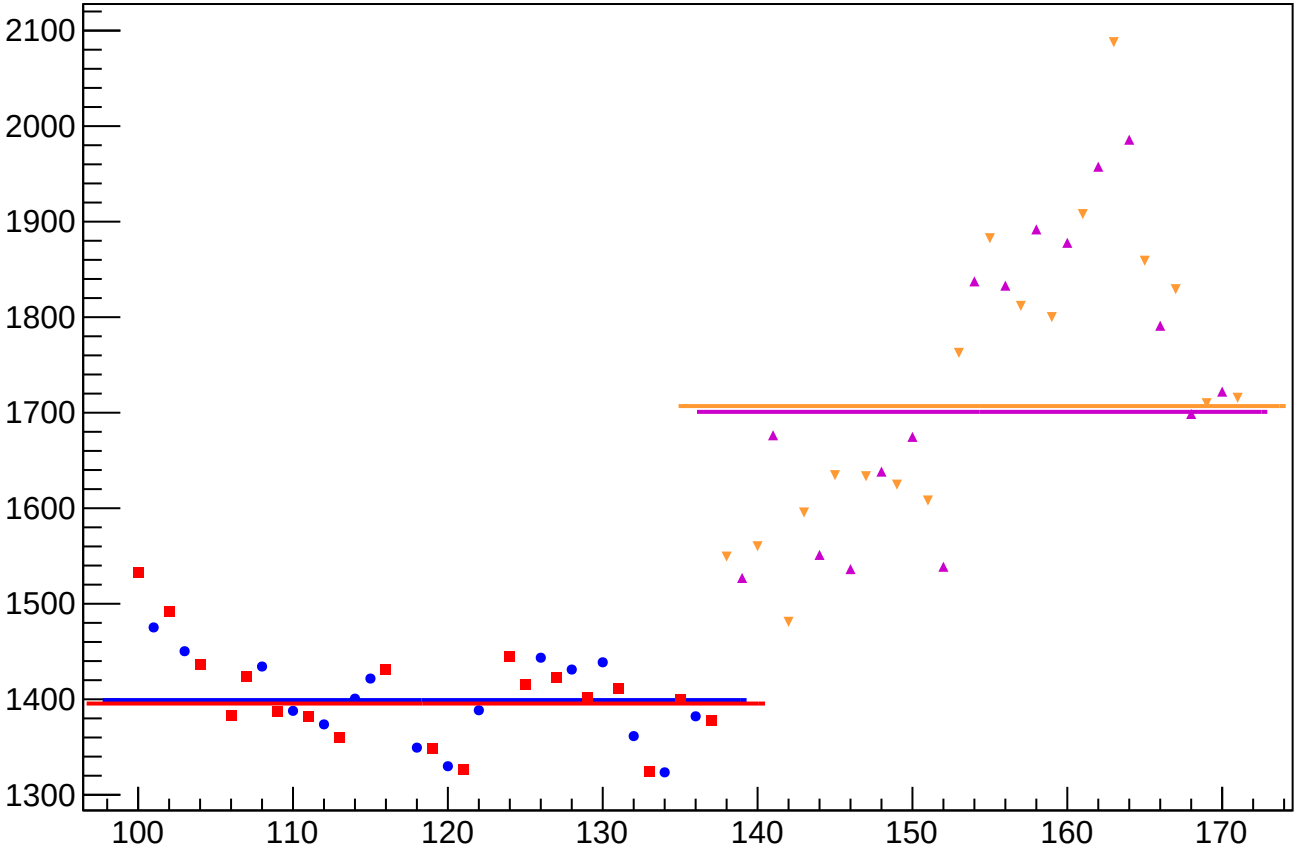
Left In: -28.775+/-0.470 χ^2/NDF:492.1/15

+ sign -19.981+/-0.342 χ^2/NDF: 7855.6/33

All: -17.001+/-0.243 χ^2/NDF: 12760.8/68

- sign -13.958+/-0.345 χ^2/NDF: 4751.7/34

diff_bpm0i02X_rms vs Slug



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.949+/-0.321 χ^2/NDF:192698.2/17

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

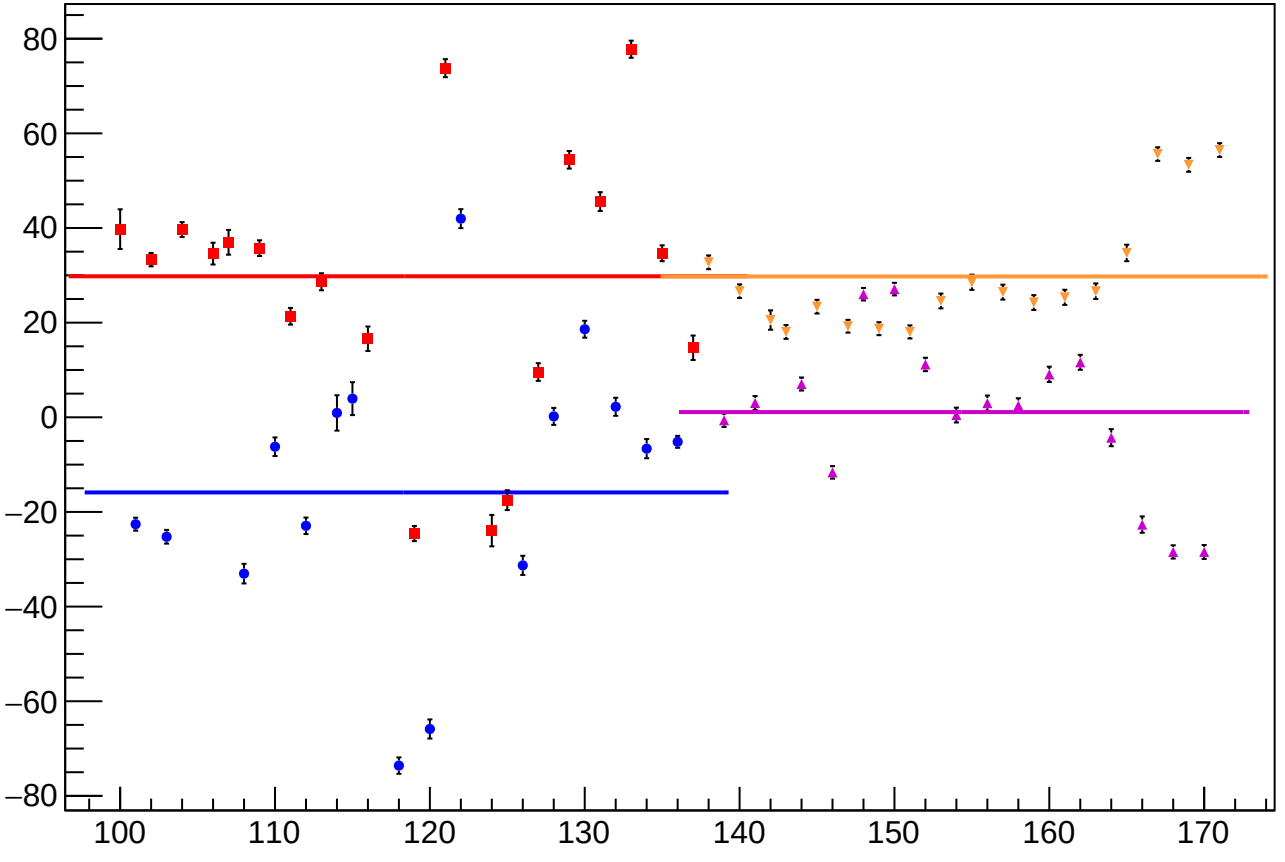
Left In: 1700.871+/-0.332 χ^2/NDF:188296.0/15

+ sign 1573.862+/-0.242 χ^2/NDF: 605374.1/33

All: 1567.168+/-0.172 χ^2/NDF: 1199625.4/68

- sign 1560.334+/-0.244 χ^2/NDF: 592701.6/34

diff_bpm0i02Y_mean vs Slug



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 29.756+/-0.357 χ^2/NDF:1269.5/17

Right Out: 29.801+/-0.444 χ^2/NDF: 3681.2/18

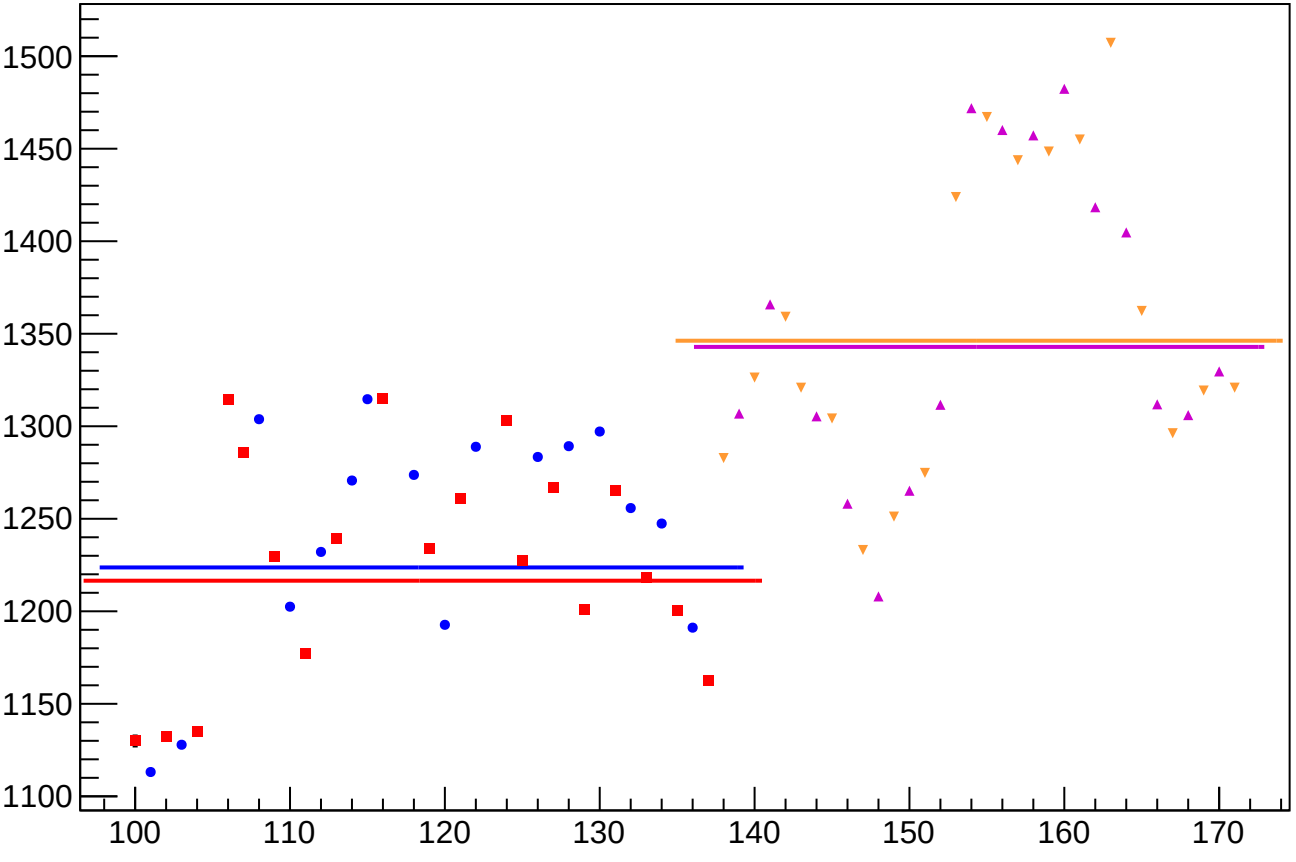
Left In: 1.105+/-0.370 χ^2/NDF:2012.7/15

+ sign 12.361+/-0.281 χ^2/NDF: 10965.4/33

All: 12.611+/-0.200 χ^2/NDF: 19121.9/68

- sign 12.867+/-0.284 χ^2/NDF: 8154.9/34

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1346.230+/-0.253 χ^2/NDF:99993.5/17

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

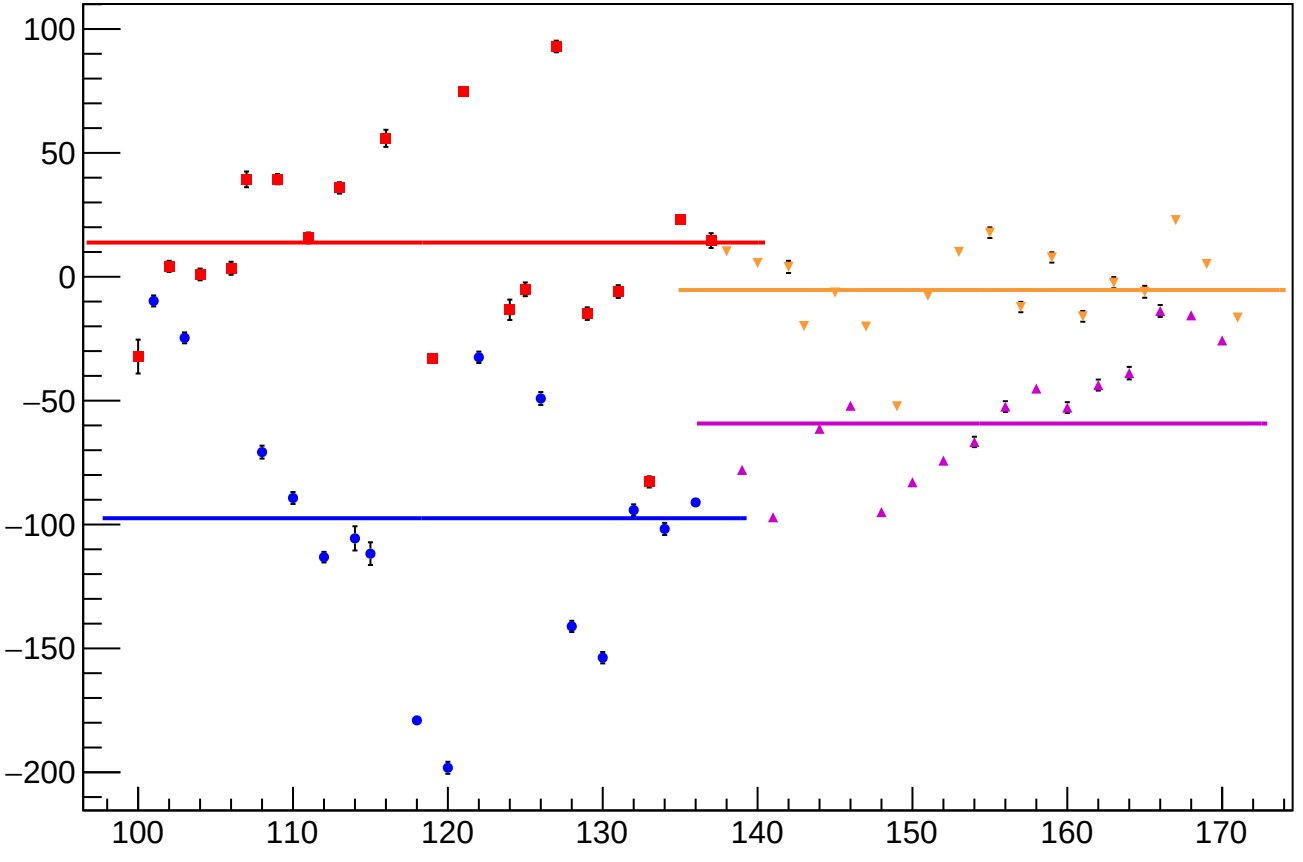
Left In: 1342.884+/-0.262 χ^2/NDF:98961.9/15

+ sign 1299.525+/-0.199 χ^2/NDF: 230533.5/33

All: 1295.360+/-0.141 χ^2/NDF: 455188.4/68

- sign 1291.094+/-0.201 χ^2/NDF: 223766.1/34

diff_bpm0i02aX_mean vs Slug



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.323+/-0.466 χ^2/NDF:1455.5/17

Right Out: 13.816+/-0.566 χ^2/NDF: 5352.2/18

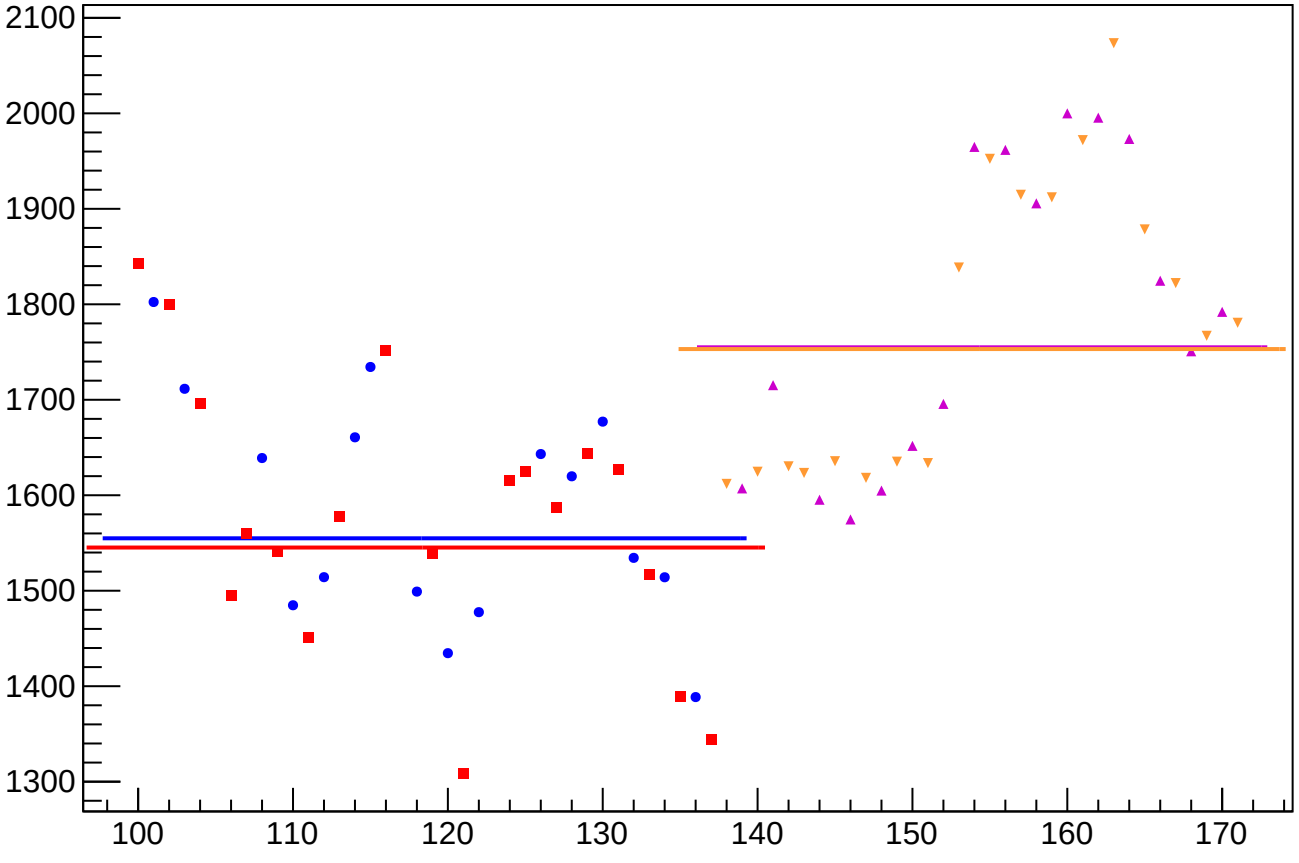
Left In: -59.228+/-0.485 χ^2/NDF:2601.0/15

\+ sign -41.523+/-0.363 χ^2/NDF: 25105.0/33

All: -34.994+/-0.259 χ^2/NDF: 43324.1/68

\- sign -28.285+/-0.368 χ^2/NDF: 17563.9/34

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1753.123+/-0.330 χ^2/NDF:188705.5/17

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

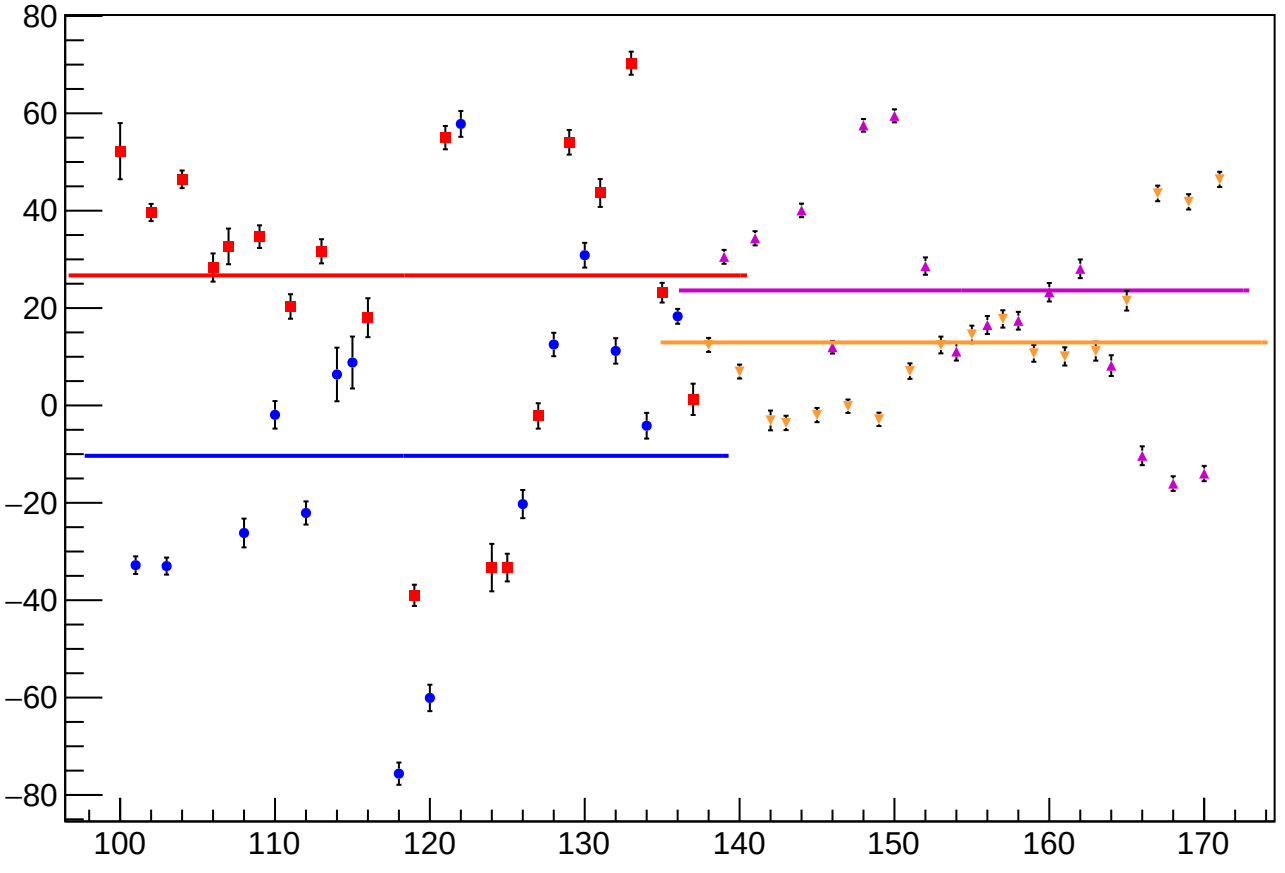
Left In: 1754.965+/-0.343 χ^2/NDF:195557.9/15

+ sign 1675.243+/-0.257 χ^2/NDF: 418716.6/33

All: 1670.744+/-0.183 χ^2/NDF: 882146.9/68

- sign 1666.122+/-0.260 χ^2/NDF: 462808.2/34

diff_bpm0i02aY_mean vs Slug



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 12.942+/-0.381 χ^2/NDF:1735.5/17

Right Out: 26.709+/-0.586 χ^2/NDF: 2540.7/18

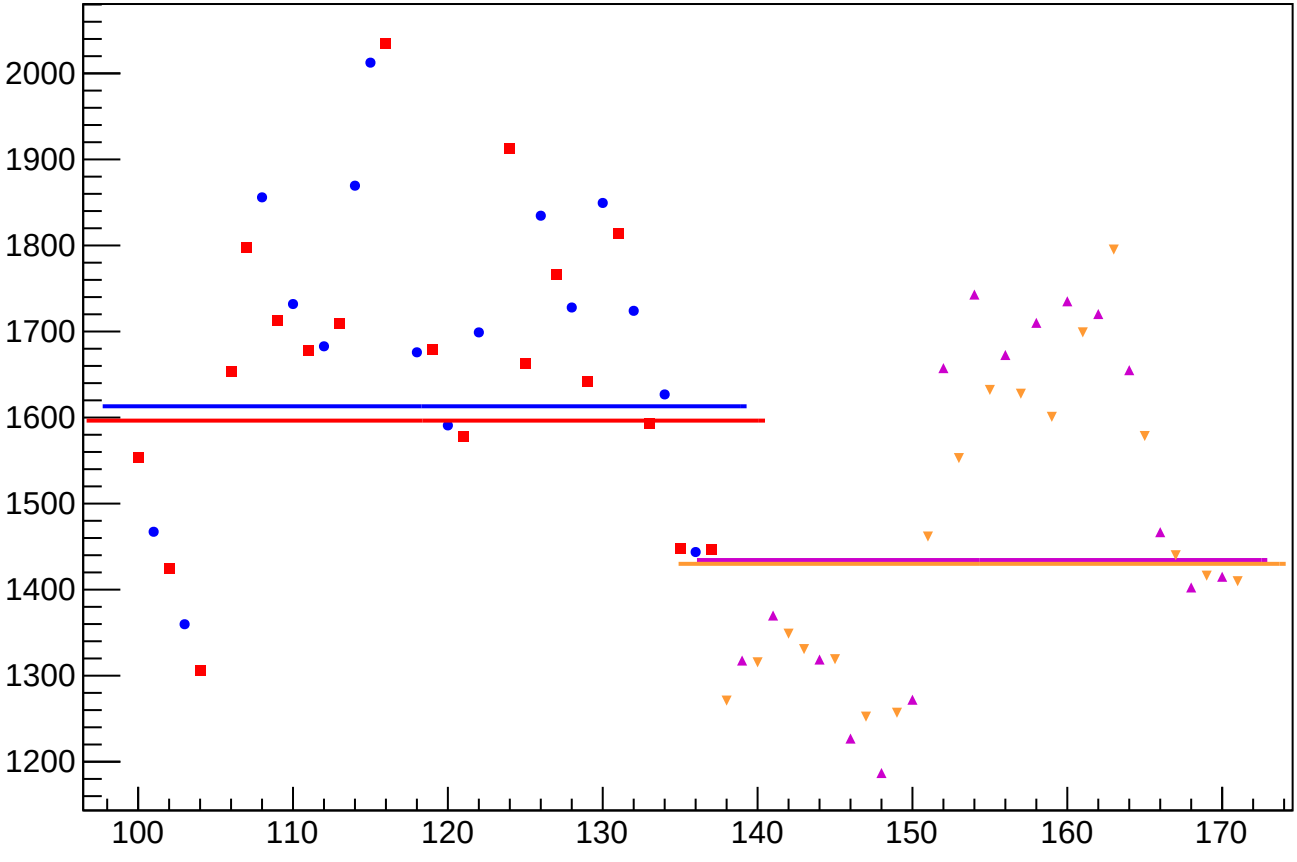
Left In: 23.619+/-0.399 χ^2/NDF:3402.8/15

+ sign 6.288+/-0.322 χ^2/NDF: 5807.2/33

All: 15.237+/-0.231 χ^2/NDF: 13346.0/68

- sign 24.596+/-0.330 χ^2/NDF: 5962.5/34

diff_bpm0i02aY_rms vs Slug



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.982+/-0.270 χ^2/NDF:328258.0/17

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

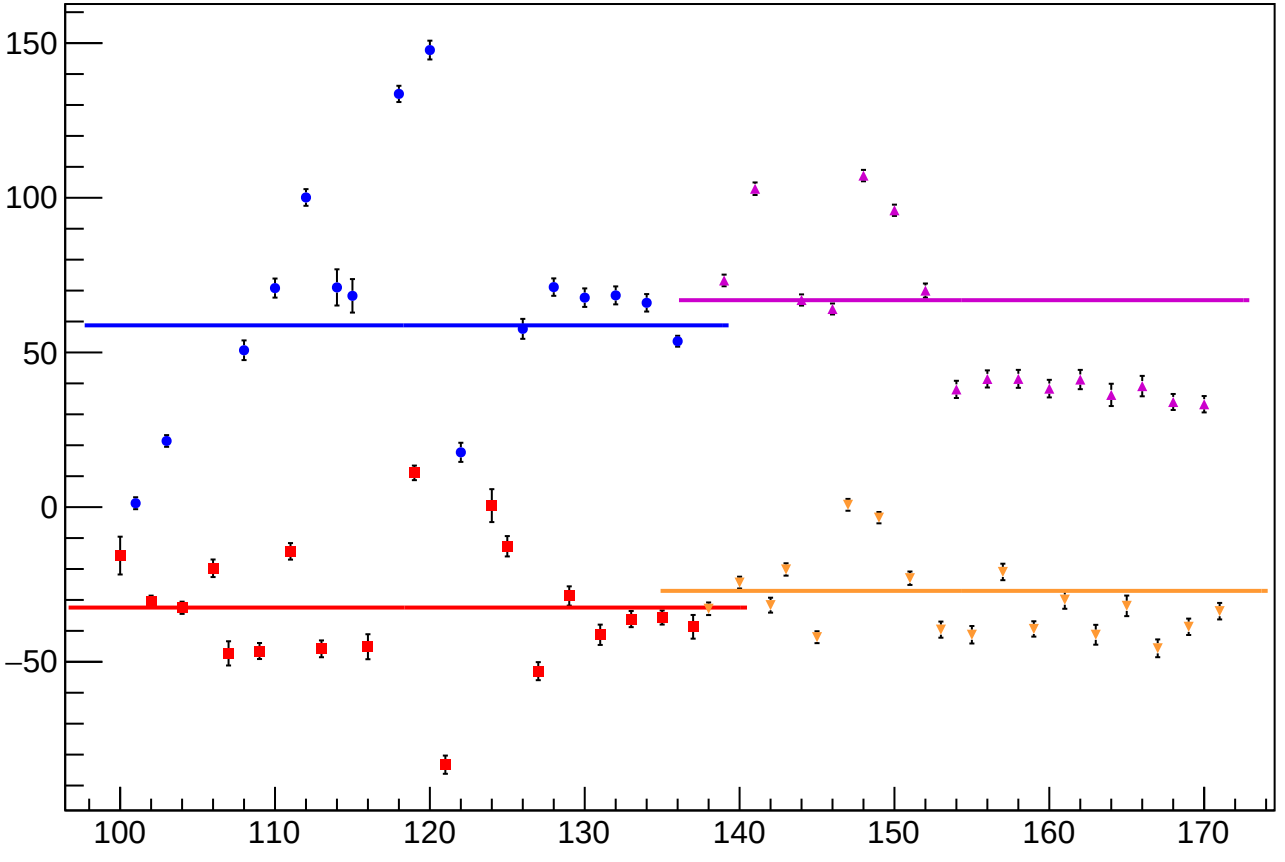
Left In: 1434.404+/-0.282 χ^2/NDF:467247.9/15

+ sign 1482.302+/-0.228 χ^2/NDF: 614641.5/33

All: 1483.929+/-0.163 χ^2/NDF: 1347157.9/68

- sign 1485.630+/-0.233 χ^2/NDF: 732412.3/34

diff_bpm0i05X_mean vs Slug



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.070+/-0.553 χ^2/NDF:635.9/17

Right Out: -32.467+/-0.648 χ^2/NDF: 930.8/18

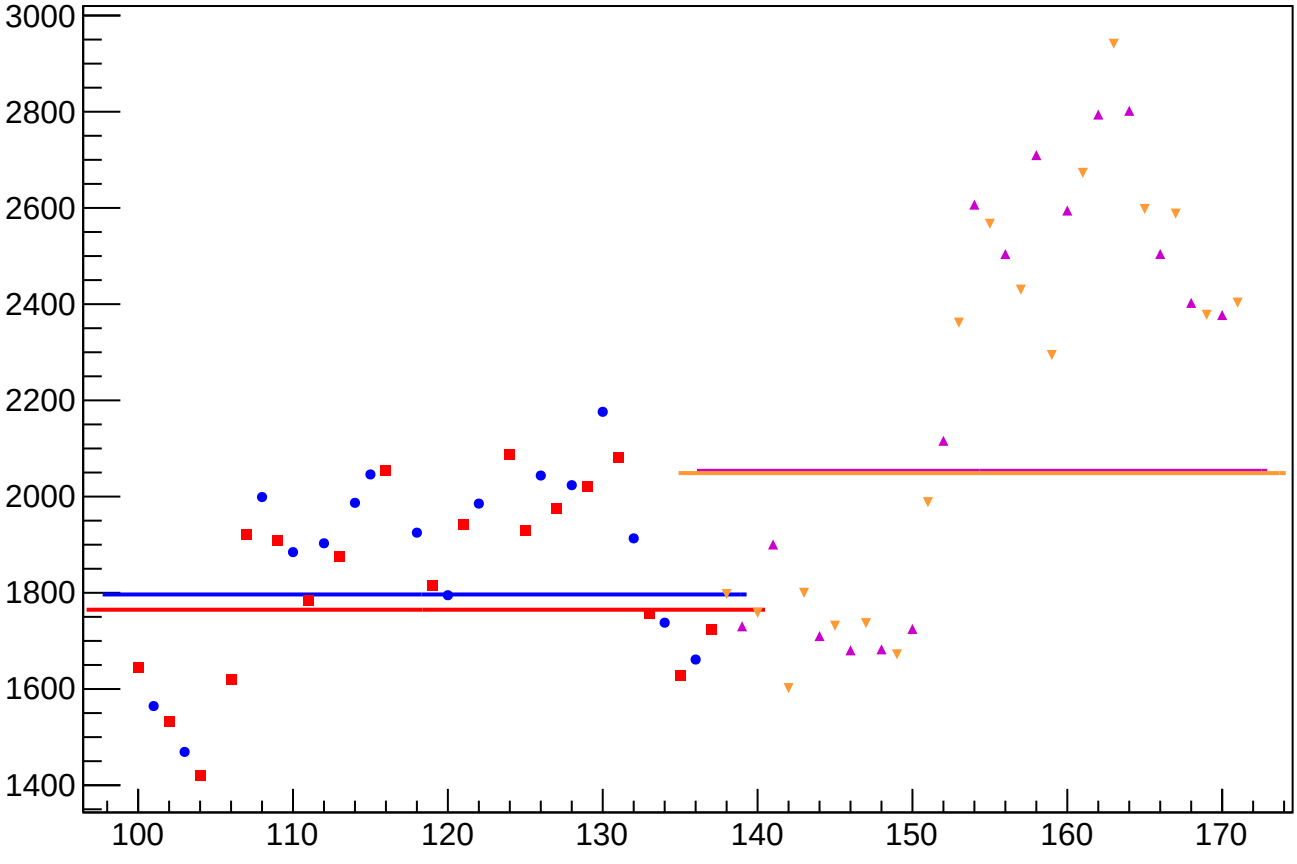
Left In: 66.896+/-0.577 χ^2/NDF:1967.8/15

+ sign 7.549+/-0.427 χ^2/NDF: 13799.8/33

All: 15.197+/-0.303 χ^2/NDF: 30450.3/68

- sign 22.988+/-0.431 χ^2/NDF: 16003.1/34

diff_bpm0i05X_rms vs Slug



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2048.849+/-0.391 χ^2/NDF:961766.9/17

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

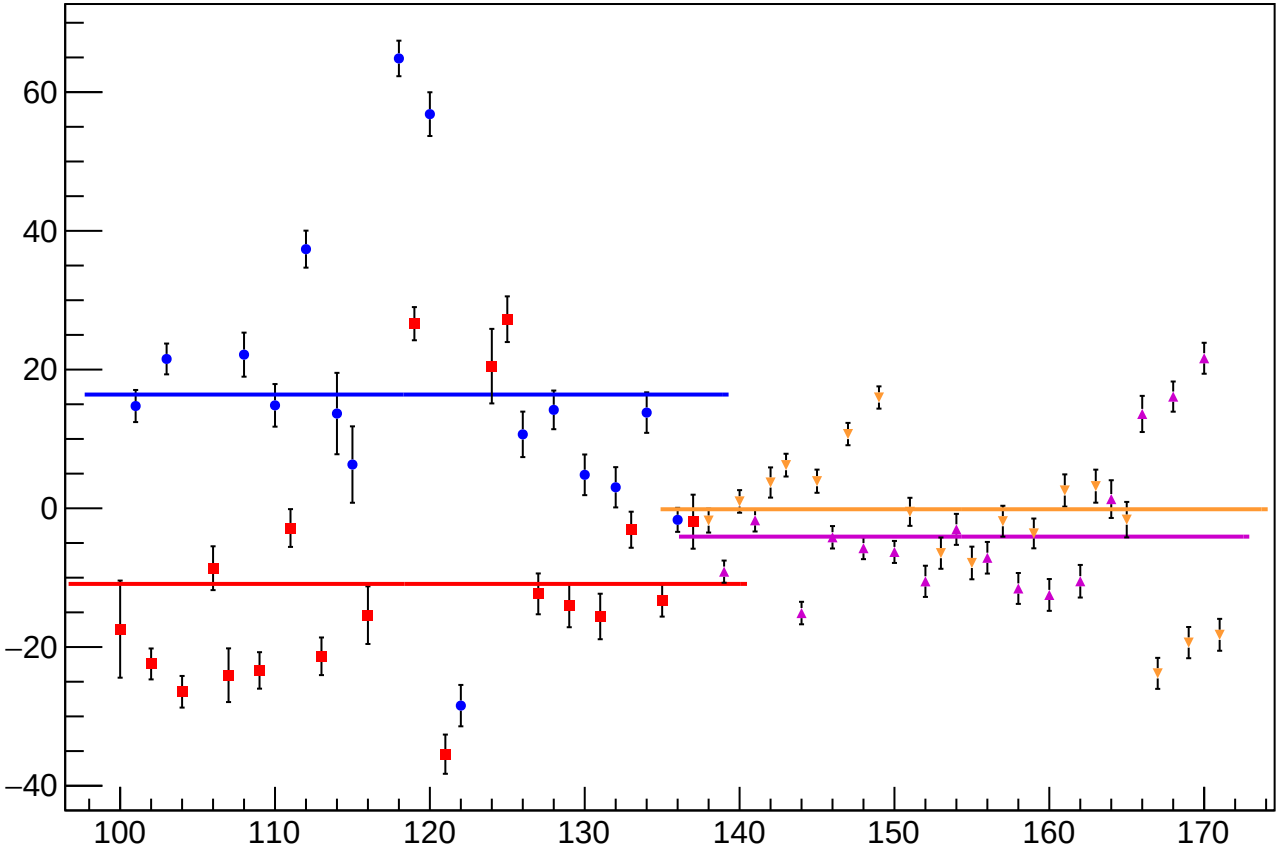
Left In: 2053.539+/-0.408 χ^2/NDF:988876.9/15

+ sign 1947.090+/-0.302 χ^2/NDF: 1322916.8/33

All: 1936.629+/-0.215 χ^2/NDF: 2725429.7/68

- sign 1925.972+/-0.305 χ^2/NDF: 1400090.6/34

diff_bpm0i05Y_mean vs Slug



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.135+/-0.468 χ^2/NDF:444.1/17

Right Out: -10.899+/-0.676 χ^2/NDF: 641.7/18

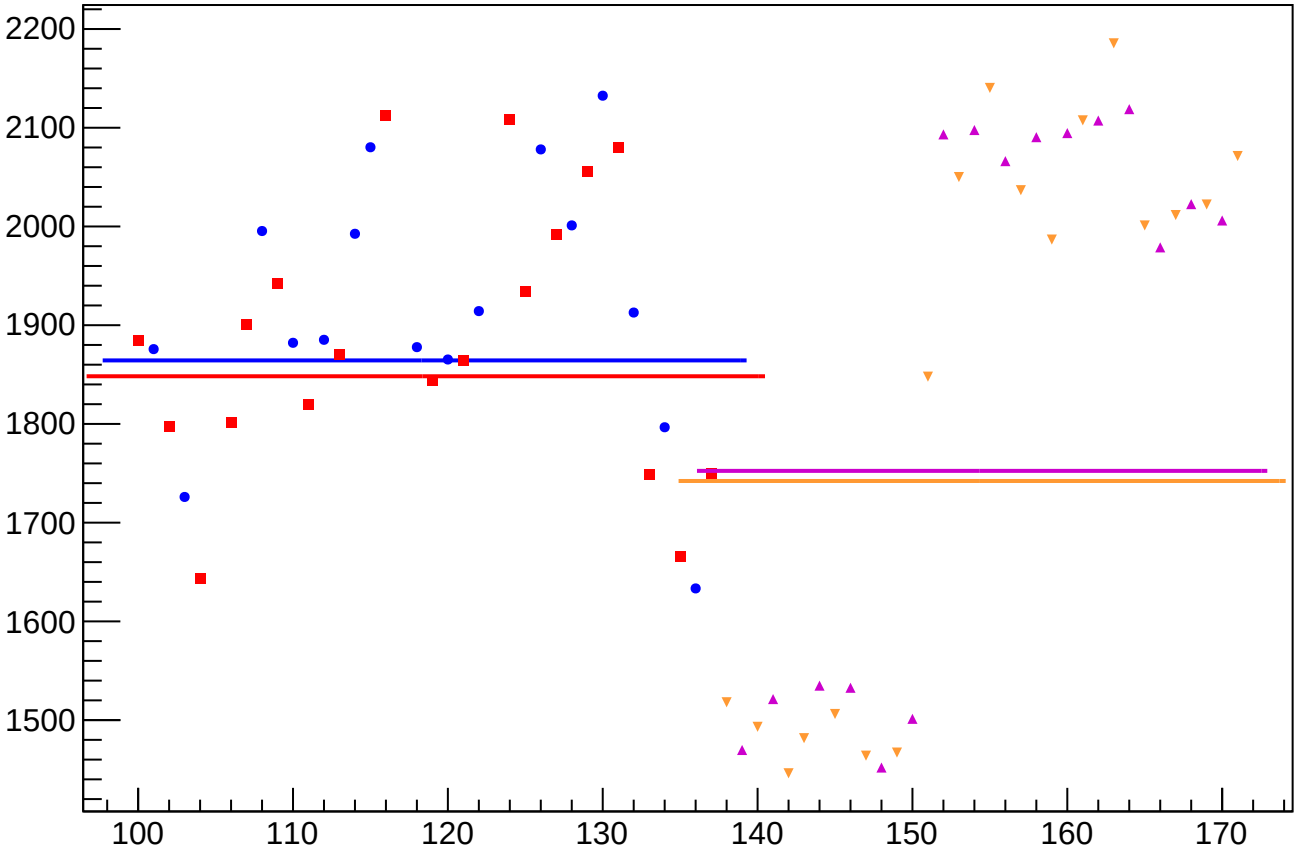
Left In: -4.082+/-0.489 χ^2/NDF:372.7/15

+ sign 5.020+/-0.388 χ^2/NDF: 1806.6/33

All: -0.584+/-0.277 χ^2/NDF: 3313.5/68

- sign -6.420+/-0.396 χ^2/NDF: 1081.2/34

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1742.211+/-0.331 χ^2/NDF:727560.8/17

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

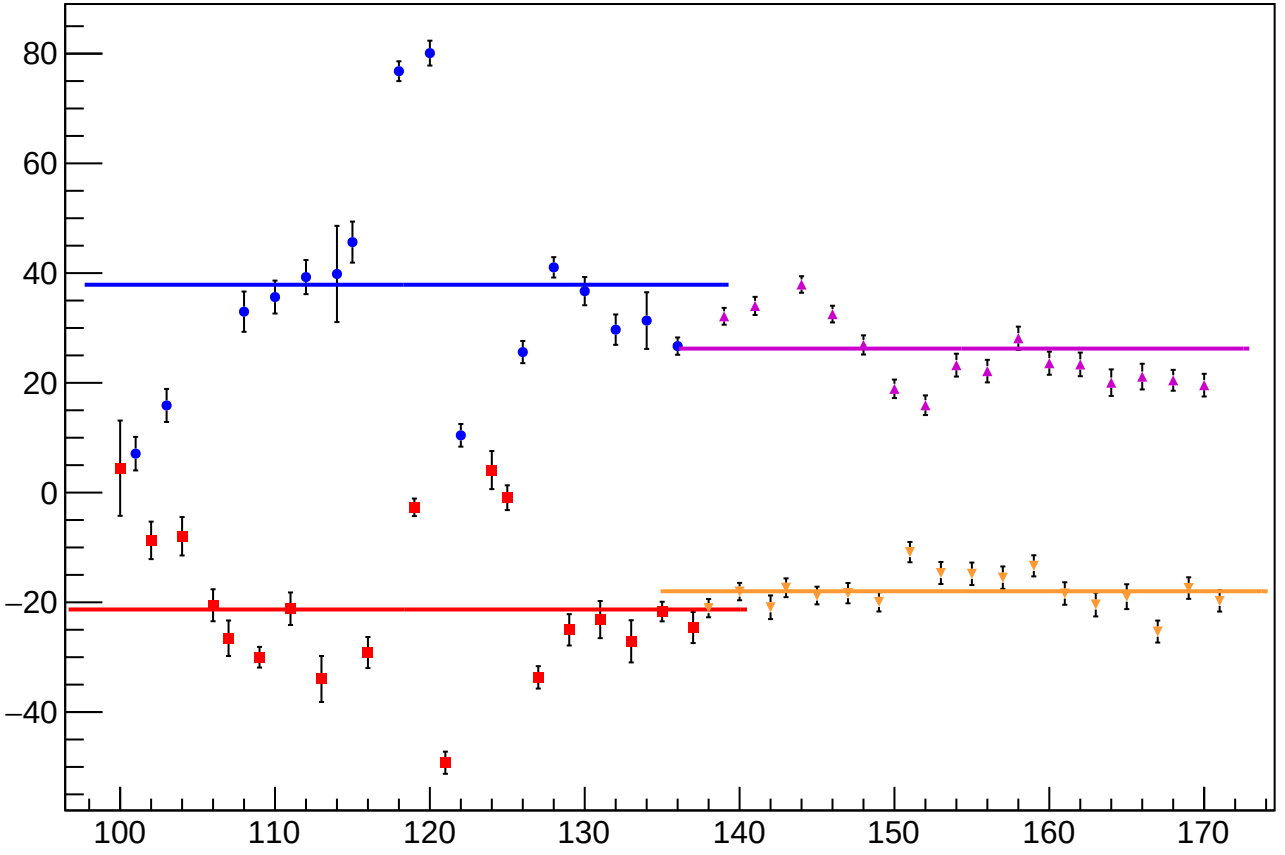
Left In: 1752.448+/-0.345 χ^2/NDF:674088.7/15

+ sign 1780.284+/-0.274 χ^2/NDF: 853377.4/33

All: 1782.748+/-0.196 χ^2/NDF: 1628979.3/68

- sign 1785.315+/-0.280 χ^2/NDF: 775437.2/34

diff_bpm0i07X_mean vs Slug



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.985+/-0.446 χ^2/NDF:50.0/17

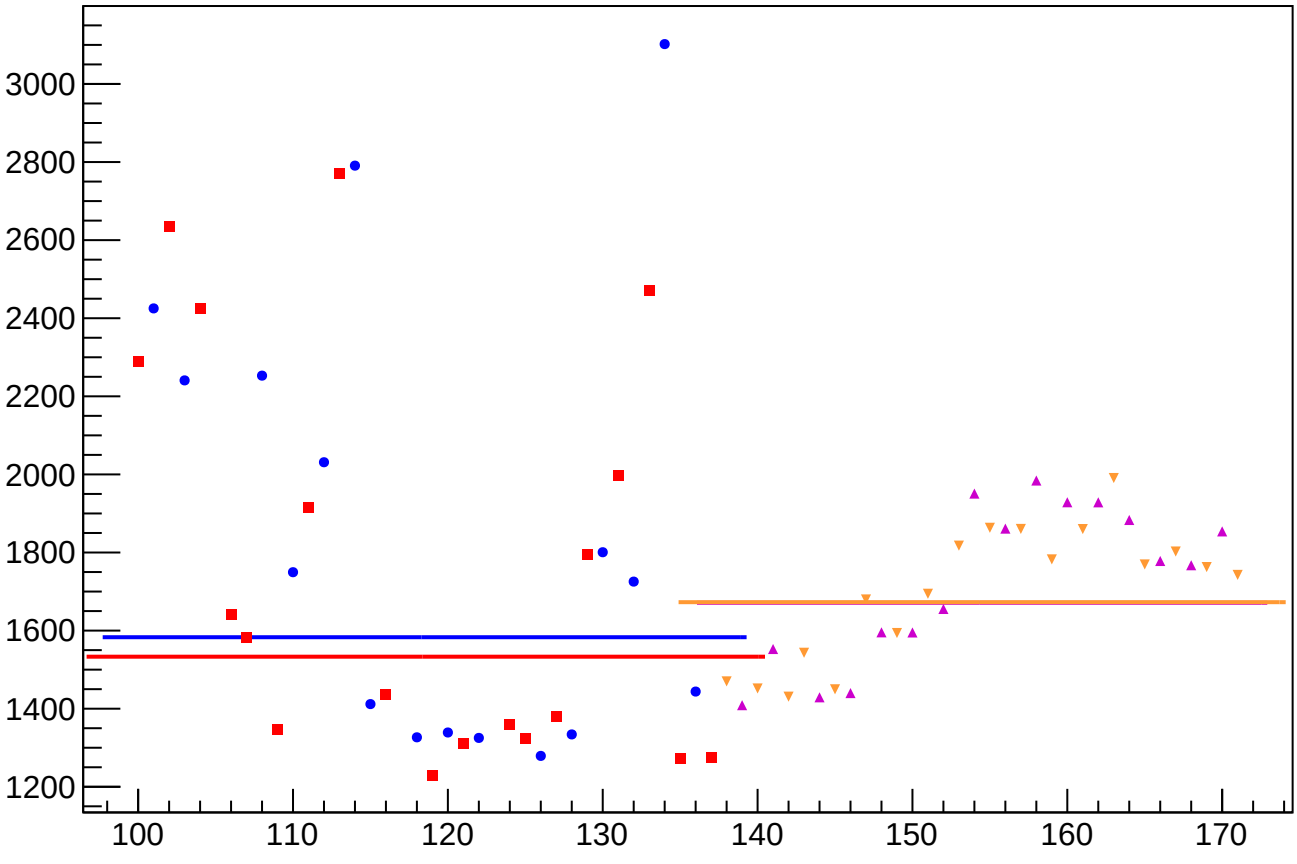
Right Out: -21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: 26.243+/-0.464 χ^2/NDF:207.4/15

+ sign 0.970+/-0.363 χ^2/NDF: 6623.3/33

All: 4.549+/-0.257 χ^2/NDF: 11598.1/68

- sign 8.184+/-0.365 χ^2/NDF: 4778.5/34



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1672.791+/-0.315 χ^2/NDF:277529.2/17

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

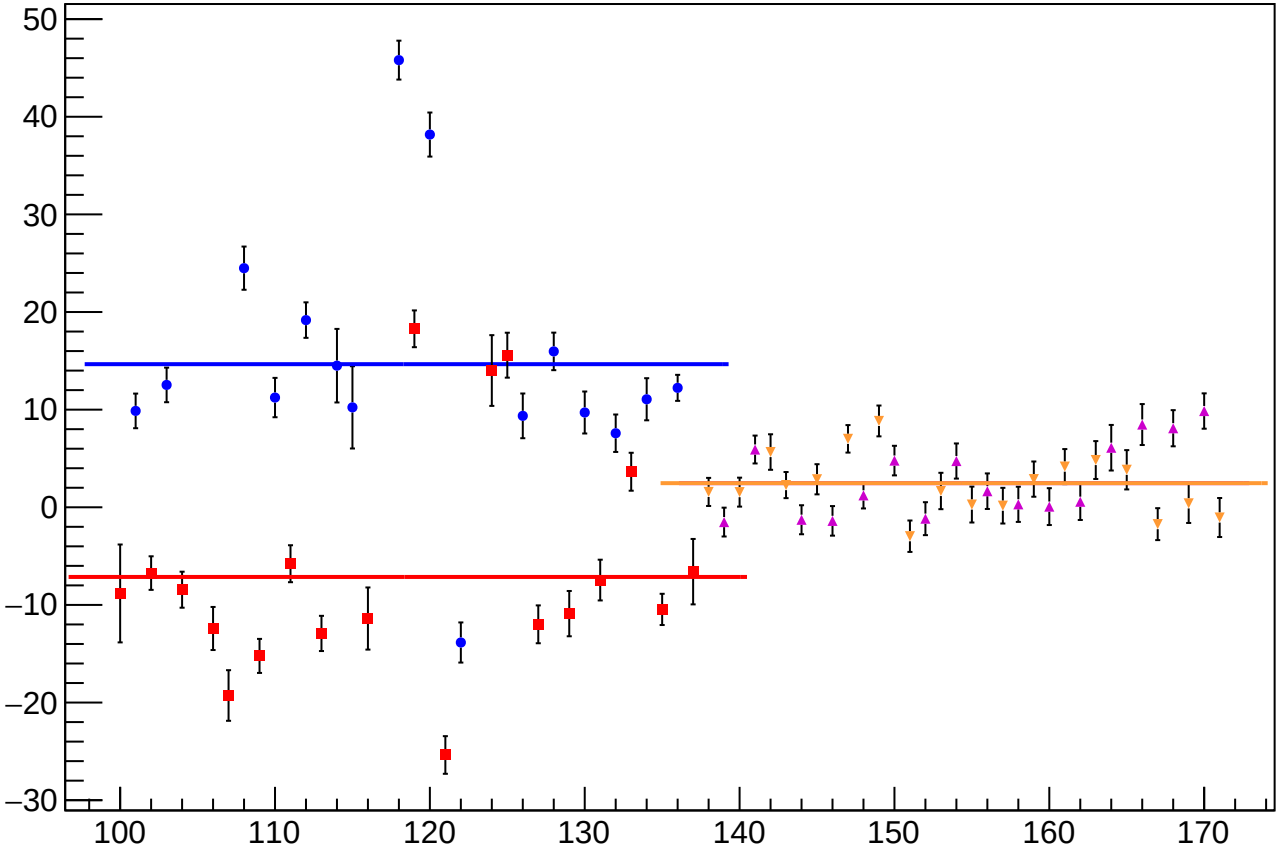
Left In: 1671.237+/-0.328 χ^2/NDF:369789.4/15

+ sign 1642.341+/-0.256 χ^2/NDF: 1092675.9/33

All: 1630.667+/-0.182 χ^2/NDF: 2484659.7/68

- sign 1618.806+/-0.258 χ^2/NDF: 1387802.7/34

diff_bpm0i07Y_mean vs Slug



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.471+/-0.395 χ^2/NDF:58.9/17

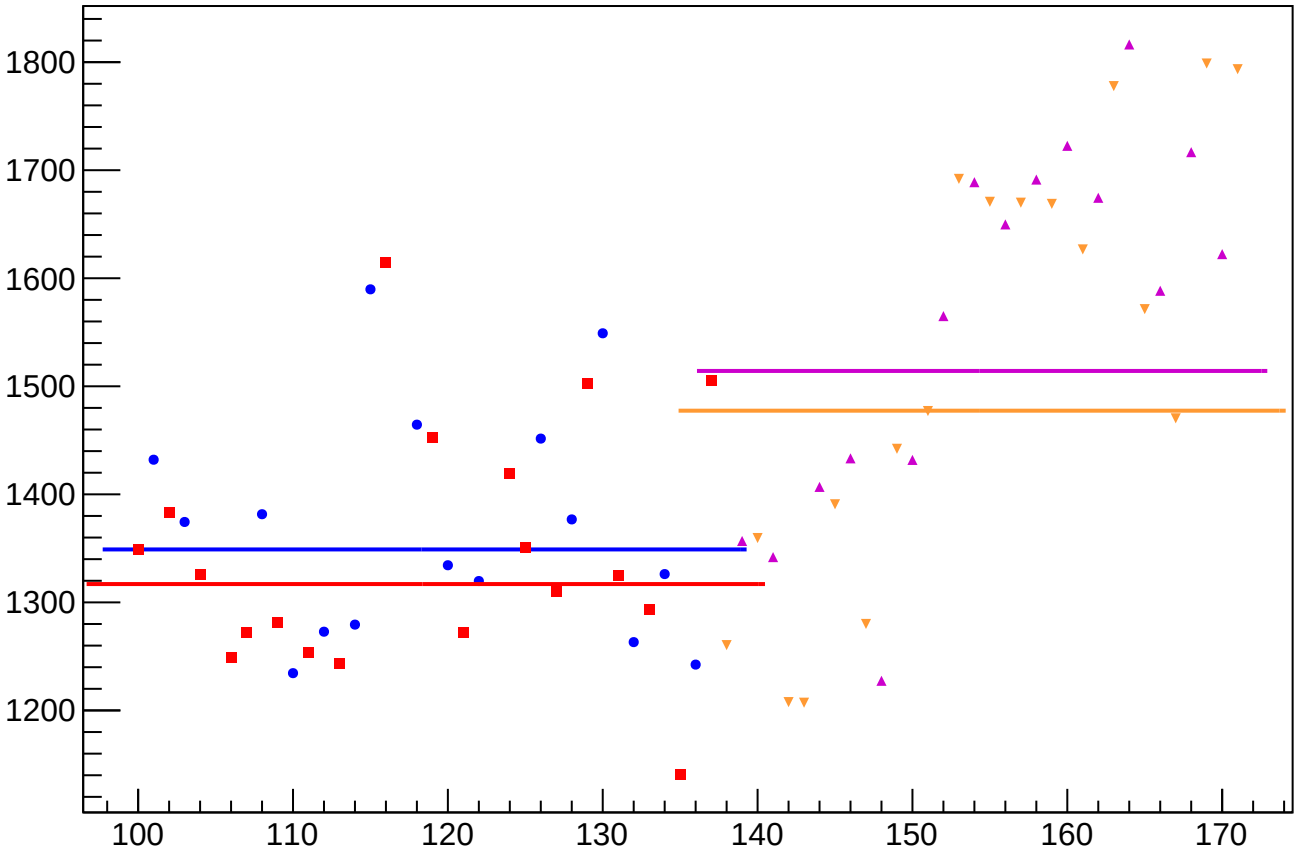
Right Out: -7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: 2.472+/-0.420 χ^2/NDF:76.2/15

+ sign 7.109+/-0.311 χ^2/NDF: 1035.1/33

All: 2.804+/-0.222 χ^2/NDF: 2235.8/68

- sign -1.660+/-0.317 χ^2/NDF: 810.9/34



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1477.427+/-0.280 χ^2/NDF:491144.3/17

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

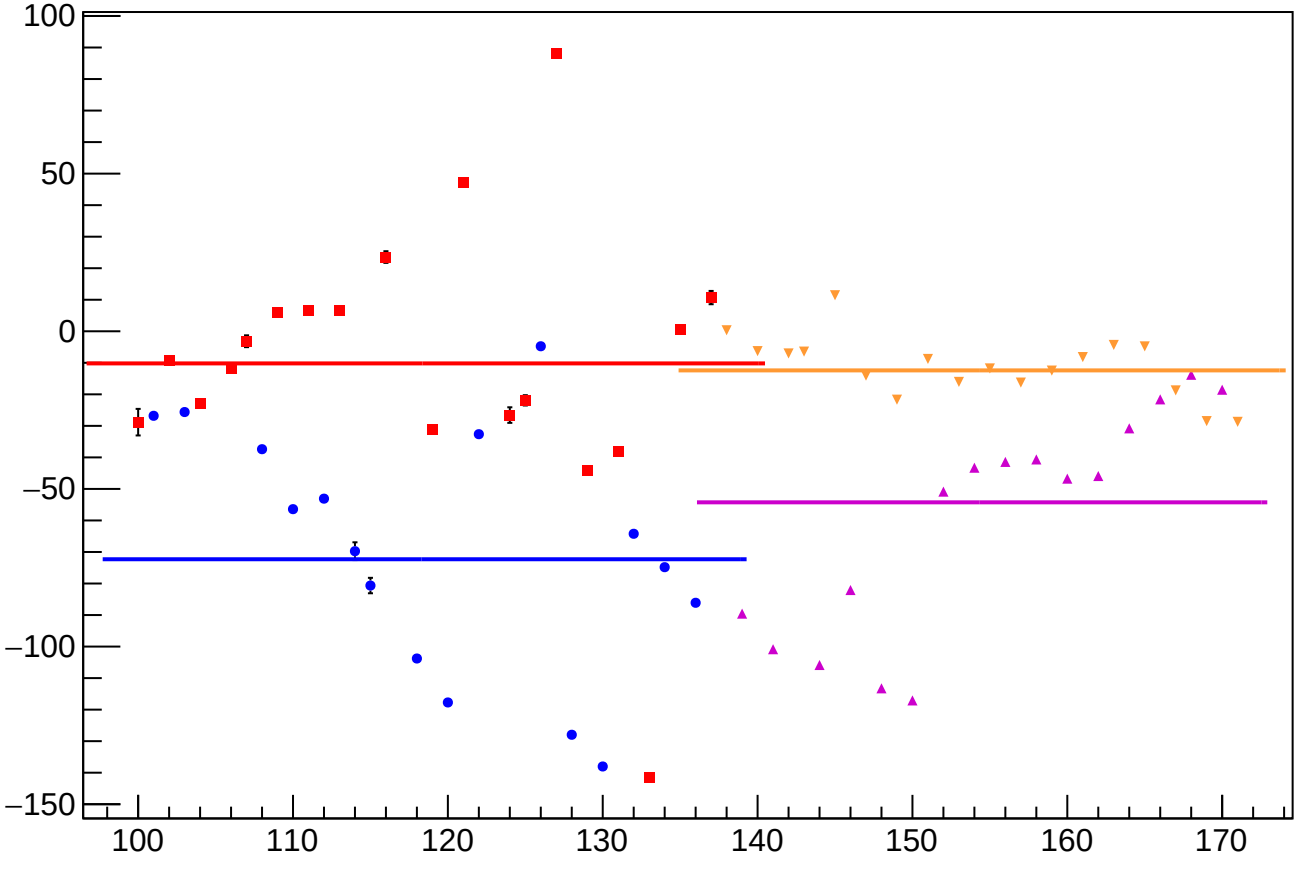
Left In: 1514.203+/-0.297 χ^2/NDF:322664.9/15

+ sign 1428.555+/-0.220 χ^2/NDF: 639813.6/33

All: 1428.953+/-0.157 χ^2/NDF: 1239291.0/68

- sign 1429.365+/-0.224 χ^2/NDF: 599470.8/34

diff_bpm1i02X_mean vs Slug



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -12.406+/-0.220 χ^2/NDF:1933.9/17

Right Out: -10.188+/-0.345 χ^2/NDF: 19045.9/18

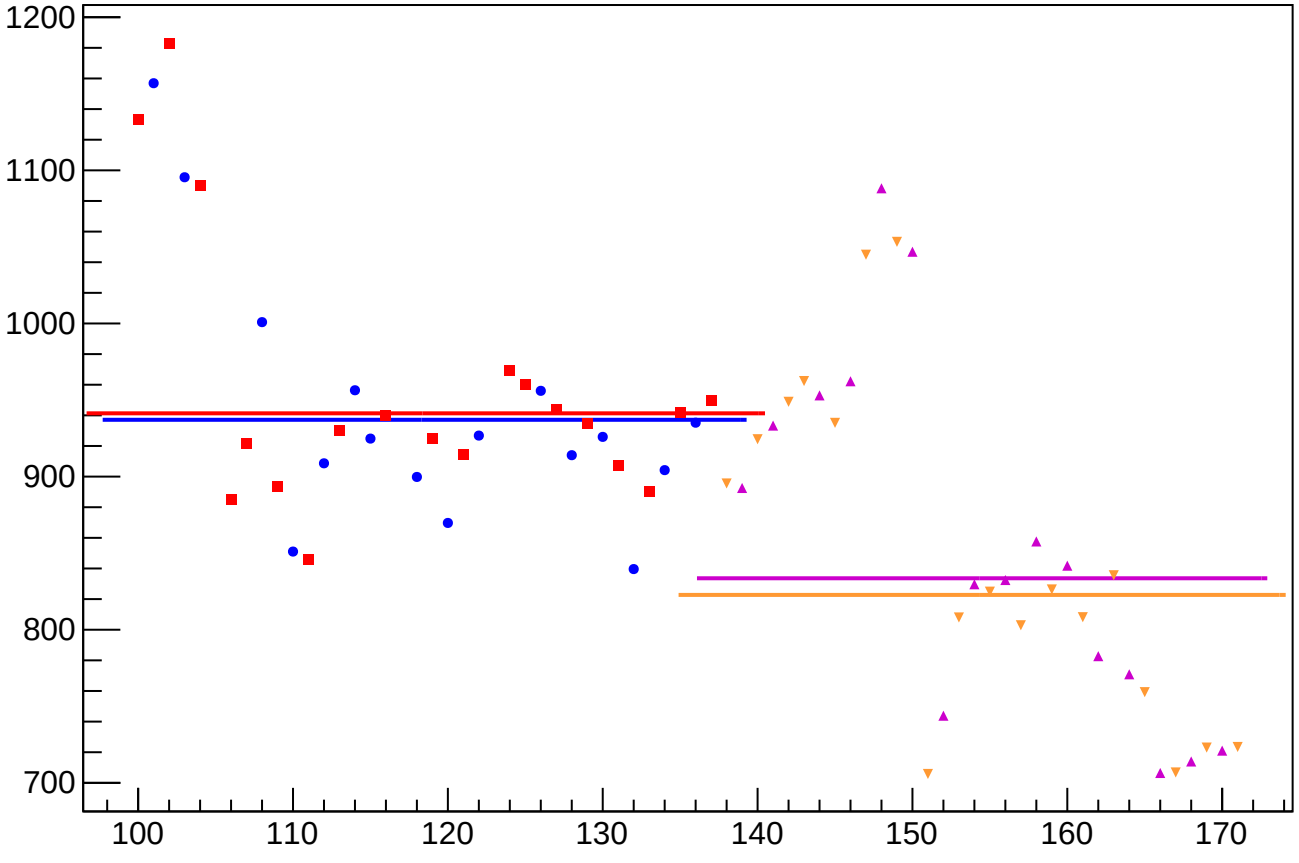
Left In: -54.253+/-0.231 χ^2/NDF:19914.4/15

+ sign -29.375+/-0.186 χ^2/NDF: 35144.4/33

All: -34.787+/-0.134 χ^2/NDF: 87127.8/68

- sign -40.558+/-0.192 χ^2/NDF: 50233.8/34

diff_bpm1i02X_rms vs Slug



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 822.740+/-0.155 χ^2/NDF:421314.0/17

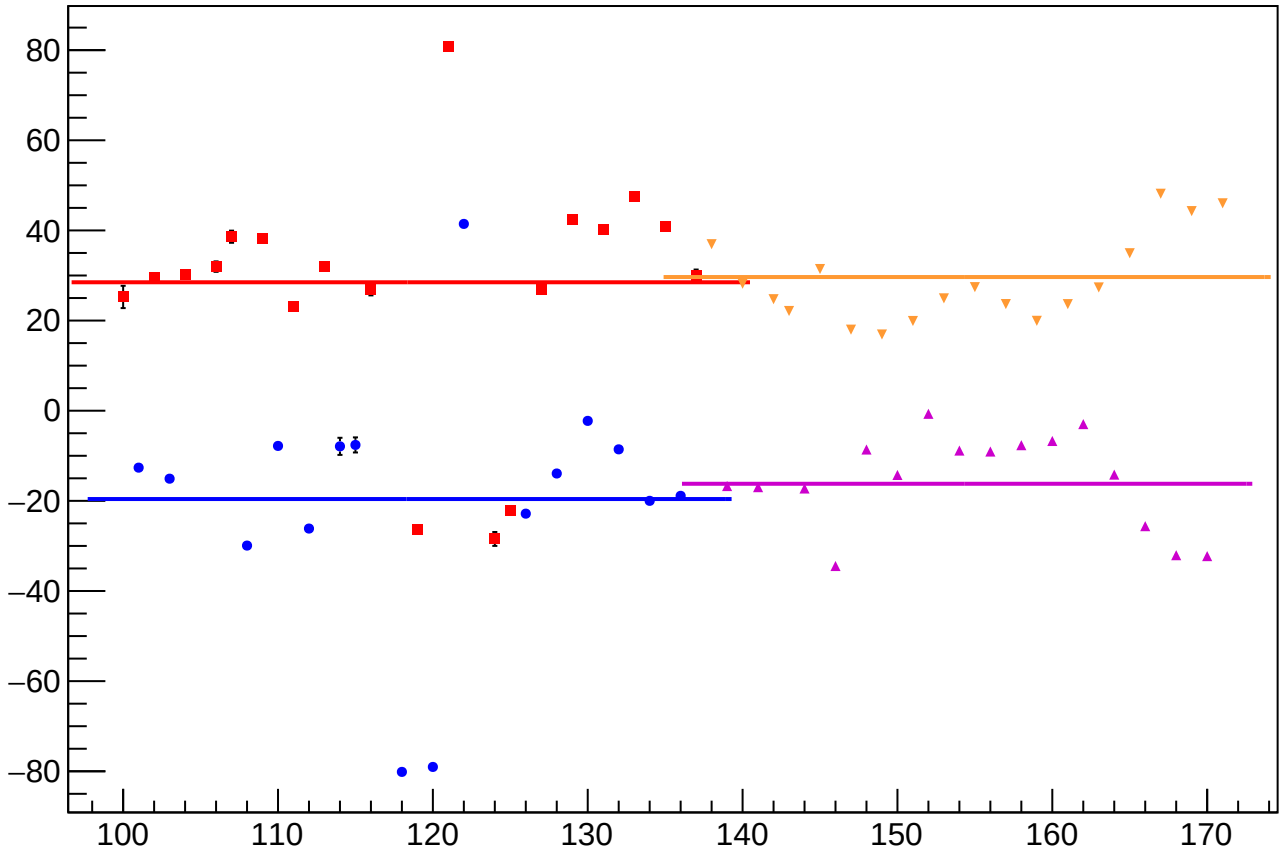
Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 833.602+/-0.164 χ^2/NDF:421177.6/15

+ sign 855.137+/-0.132 χ^2/NDF: 679477.7/33

All: 860.916+/-0.094 χ^2/NDF: 1340423.7/68

- sign 867.079+/-0.136 χ^2/NDF: 656955.8/34



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 29.658+/-0.172 χ^2/NDF:3359.6/17

Right Out: 28.496+/-0.230 χ^2/NDF: 12971.2/18

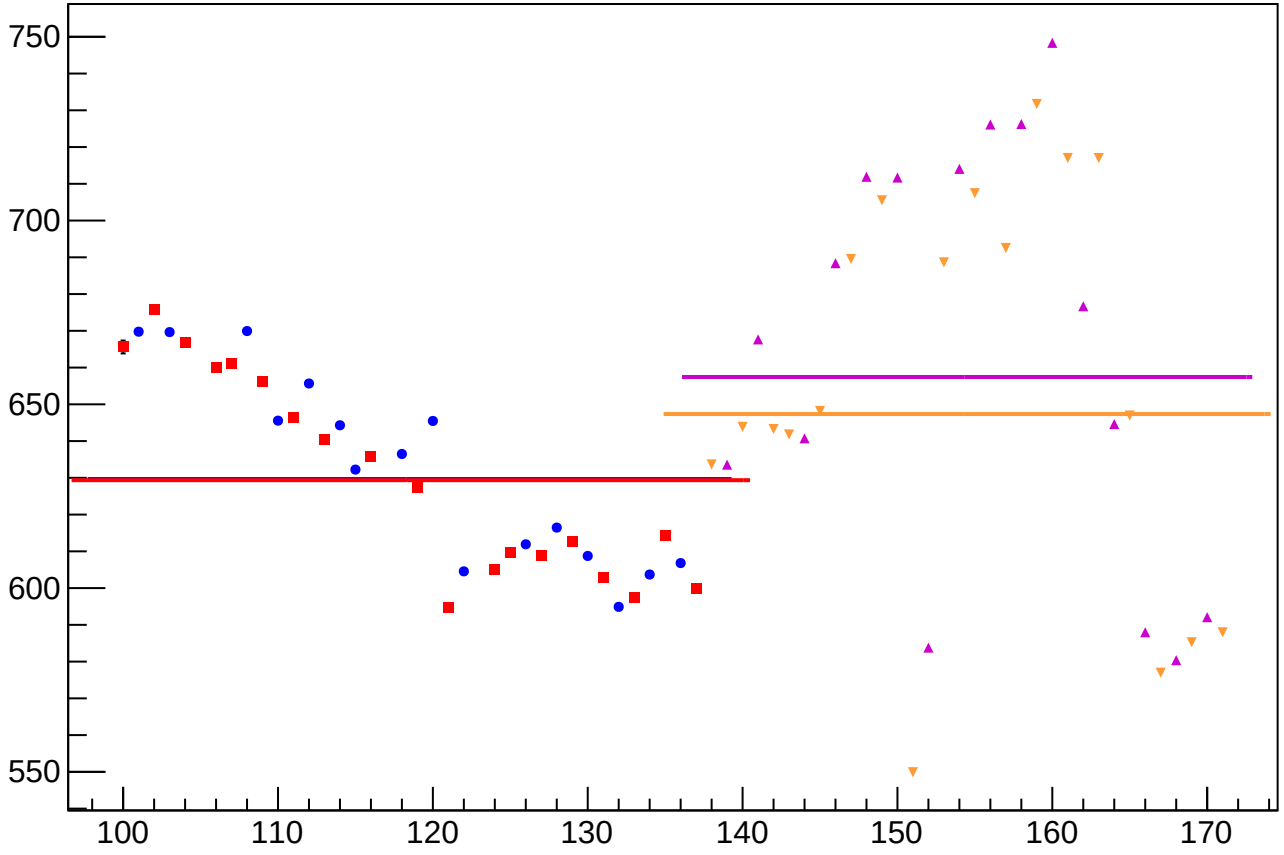
Left In: -16.209+/-0.182 χ^2/NDF:3468.2/15

+ sign 12.345+/-0.139 χ^2/NDF: 45249.3/33

All: 6.829+/-0.099 χ^2/NDF: 88232.0/68

- sign 1.008+/-0.143 χ^2/NDF: 39734.7/34

diff_bpm1i02Y_rms vs Slug



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 647.356+/-0.122 χ^2/NDF:209243.8/17

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

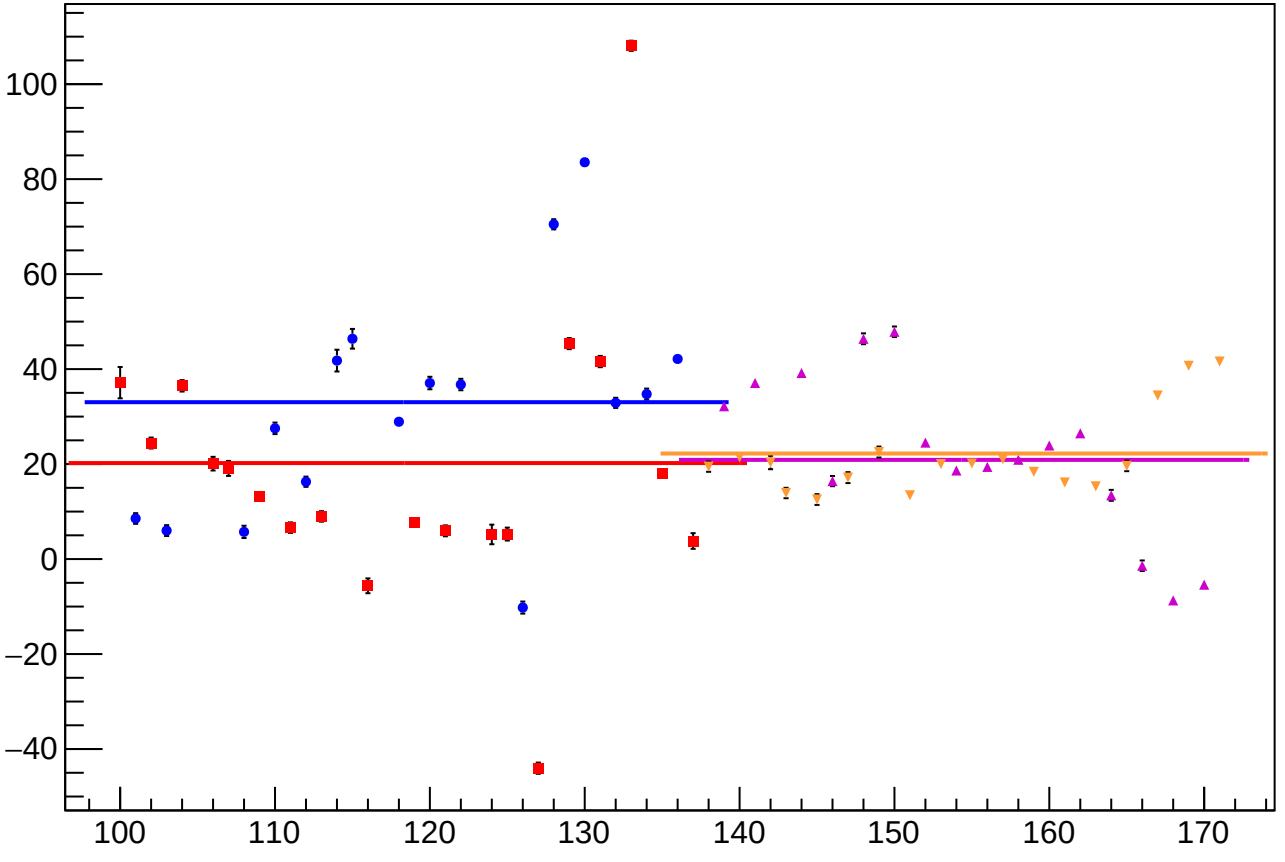
Left In: 657.430+/-0.129 χ^2/NDF:188892.8/15

\+ sign 641.136+/-0.098 χ^2/NDF: 241973.1/33

All: 643.804+/-0.070 χ^2/NDF: 477544.4/68

\- sign 646.620+/-0.101 χ^2/NDF: 234051.2/34

diff_bpm1i04X_mean vs Slug



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 22.226+/-0.245 χ^2/NDF:1354.9/17

Right Out: 20.215+/-0.286 χ^2/NDF: 11869.7/18

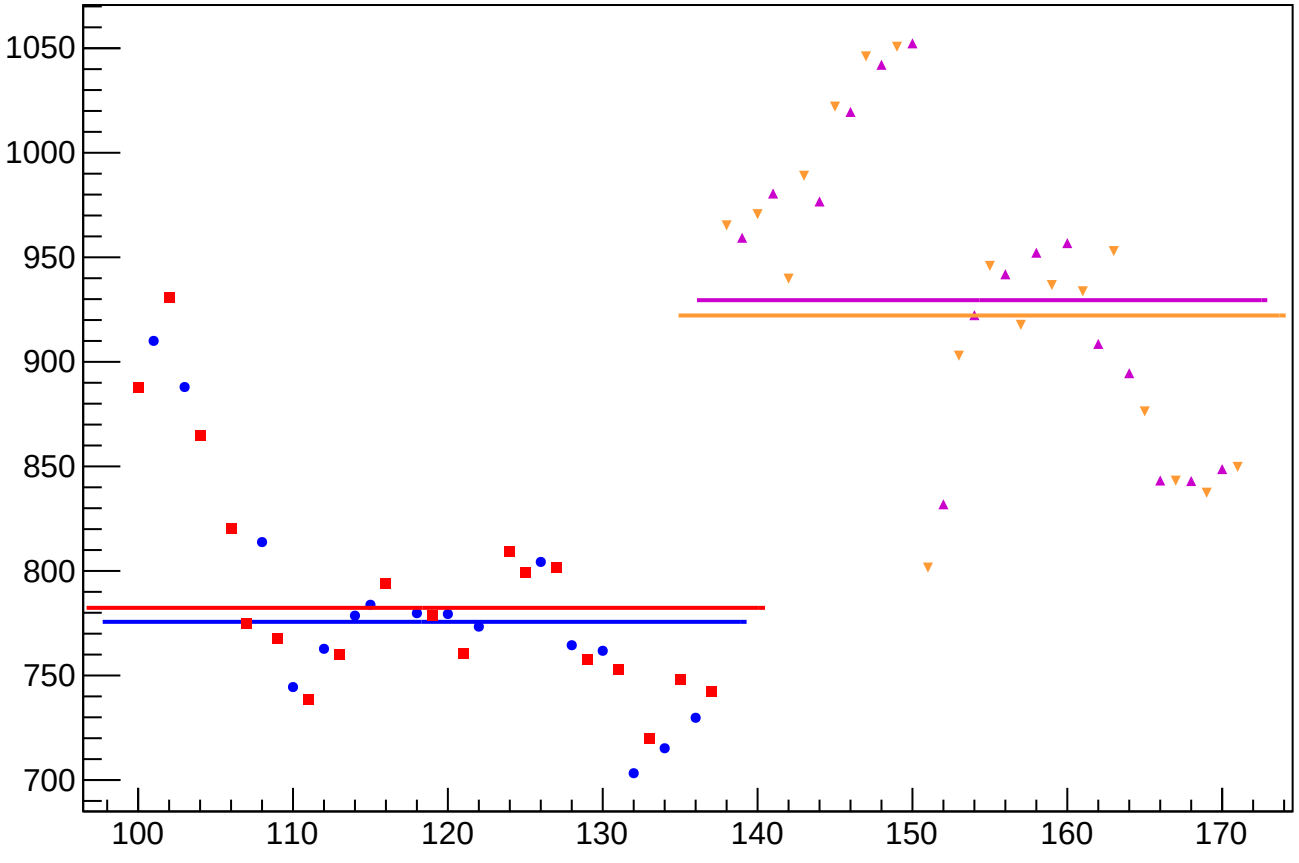
Left In: 20.886+/-0.257 χ^2/NDF:4128.8/15

+ sign 26.749+/-0.187 χ^2/NDF: 8868.8/33

All: 23.734+/-0.134 χ^2/NDF: 25402.0/68

- sign 20.587+/-0.191 χ^2/NDF: 16001.5/34

diff_bpm1i04X_rms vs Slug



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 922.182+/-0.173 χ^2/NDF:167149.6/17

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

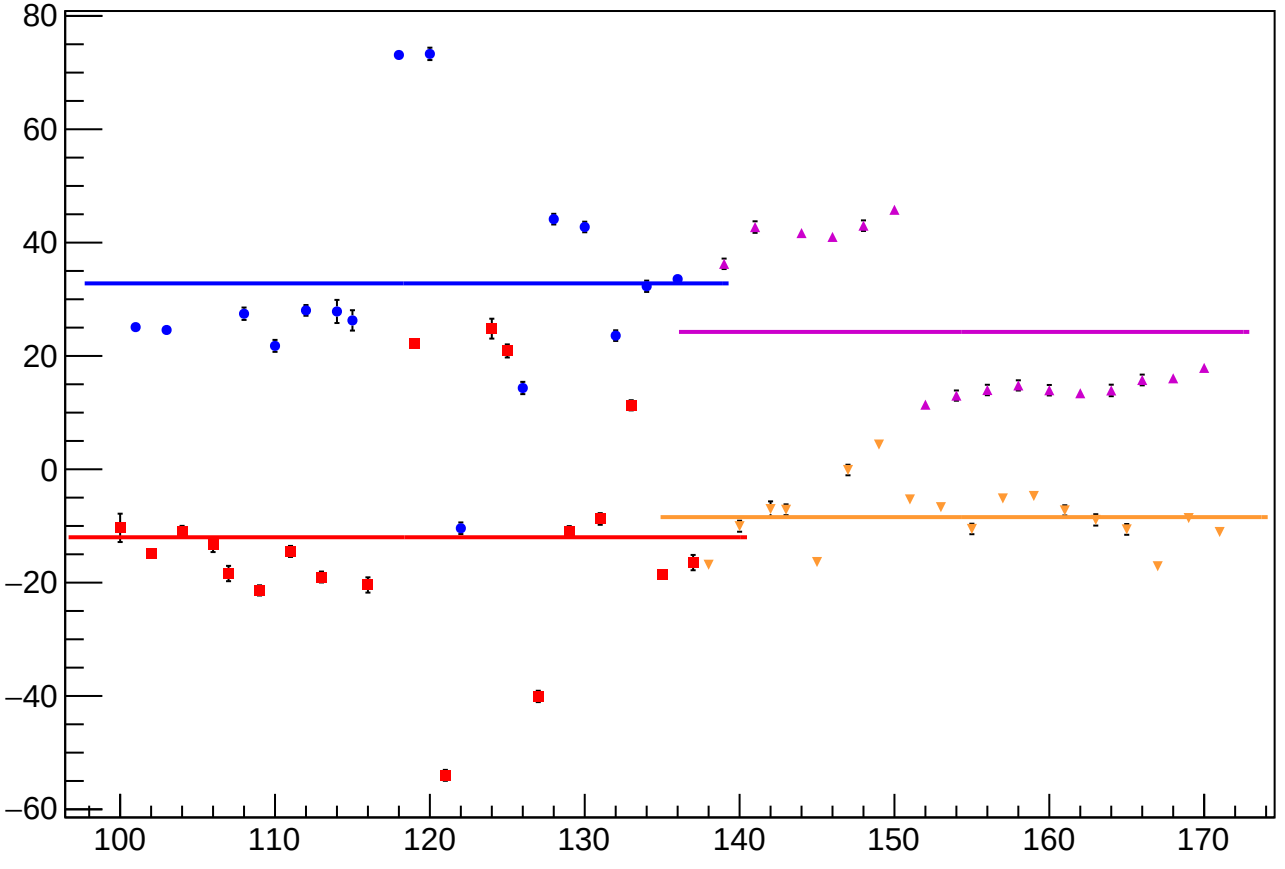
Left In: 929.501+/-0.181 χ^2/NDF:142711.6/15

+ sign 860.866+/-0.132 χ^2/NDF: 540935.1/33

All: 862.336+/-0.094 χ^2/NDF: 1041820.8/68

- sign 863.872+/-0.135 χ^2/NDF: 500632.7/34

diff_bpm1i04Y_mean vs Slug



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.440+/-0.208 χ^2/NDF:668.2/17

Right Out: -11.994+/-0.241 χ^2/NDF: 6559.7/18

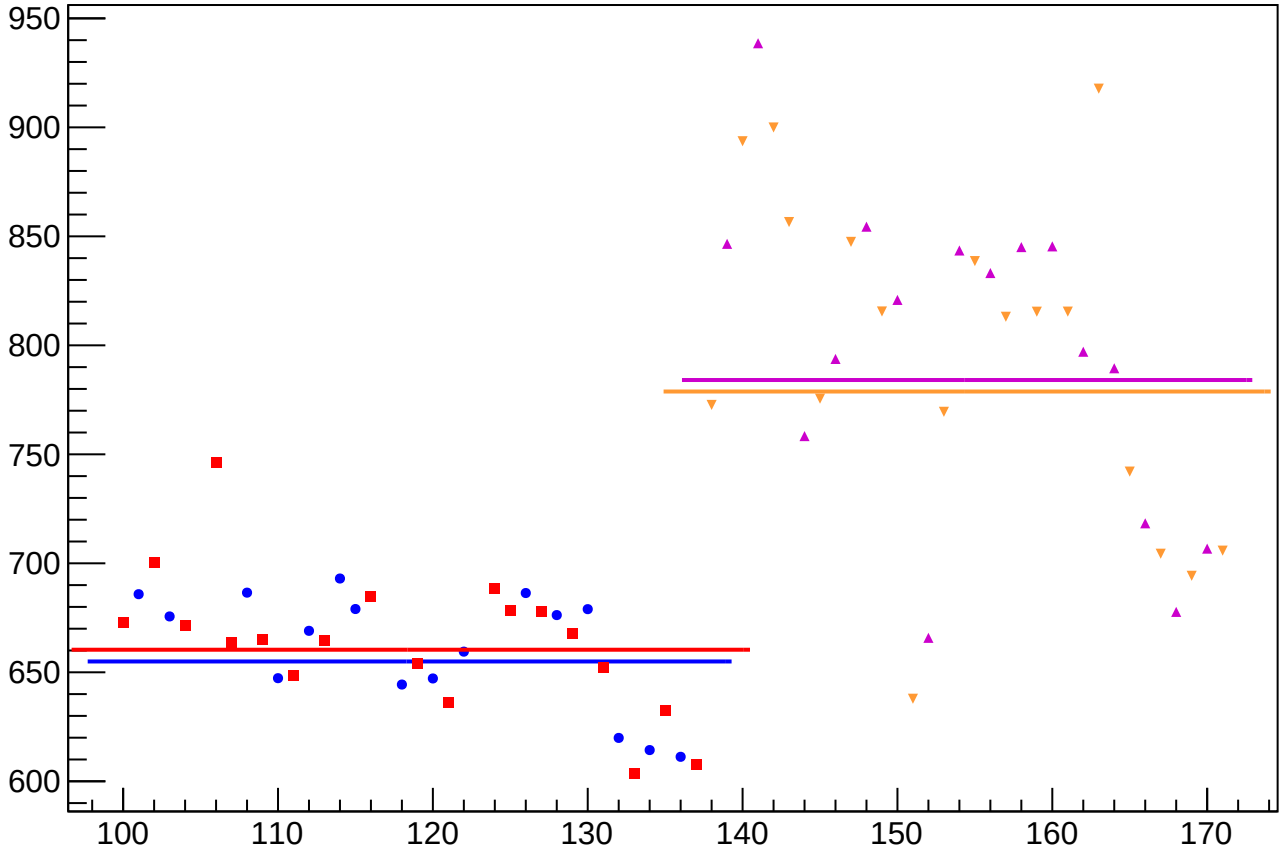
Left In: 24.241+/-0.217 χ^2/NDF:3739.6/15

+ sign 8.934+/-0.158 χ^2/NDF: 23529.1/33

All: 8.471+/-0.113 χ^2/NDF: 46298.1/68

- sign 7.987+/-0.161 χ^2/NDF: 22751.5/34

diff_bpm1i04Y_rms vs Slug



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.815+/-0.147 χ^2/NDF:272900.3/17

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

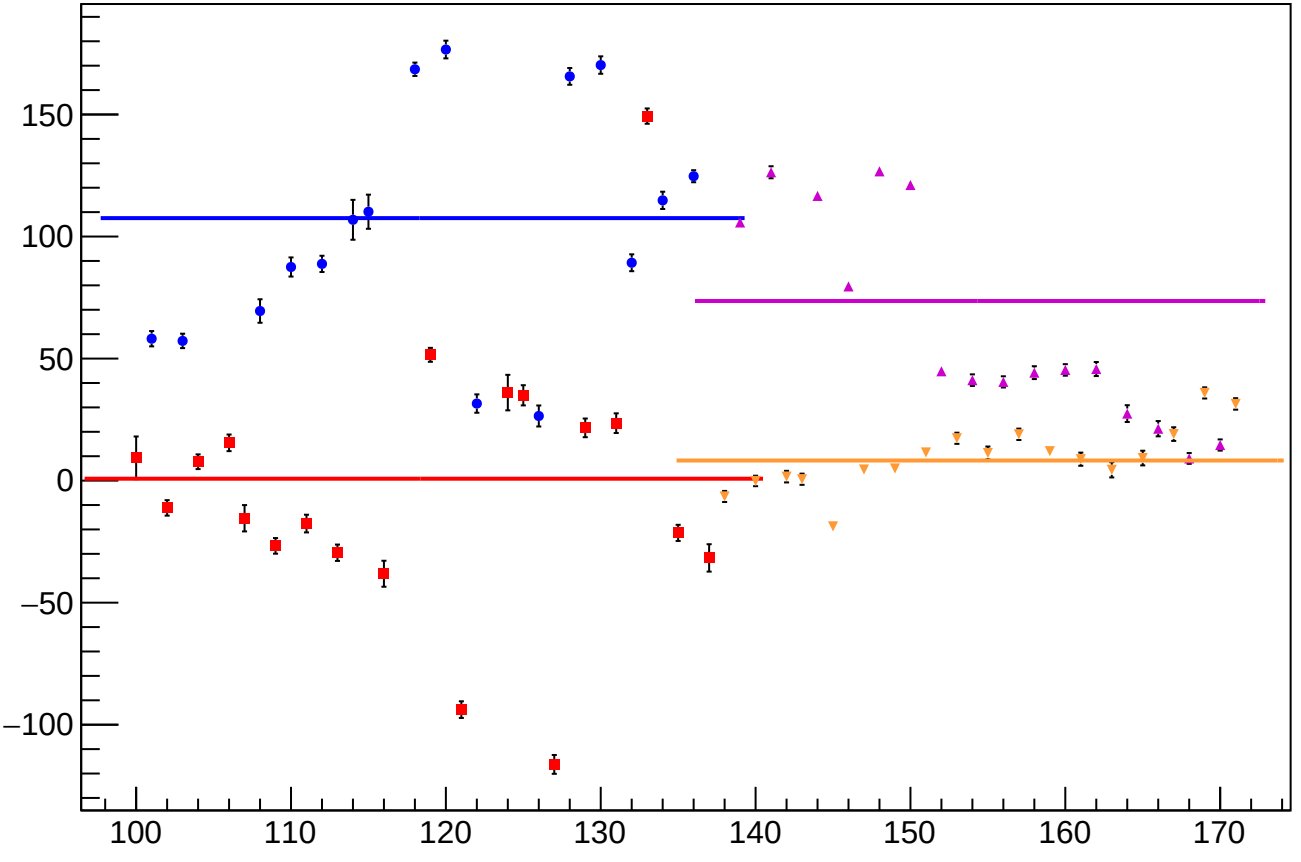
Left In: 784.089+/-0.154 χ^2/NDF:230446.0/15

+ sign 726.645+/-0.112 χ^2/NDF: 599020.7/33

All: 727.595+/-0.080 χ^2/NDF: 1150444.3/68

- sign 728.586+/-0.114 χ^2/NDF: 551276.1/34

diff_bpm1i06X_mean vs Slug



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 8.246+/-0.527 χ^2/NDF:579.1/17

Right Out: 0.788+/-0.861 χ^2/NDF: 4763.9/18

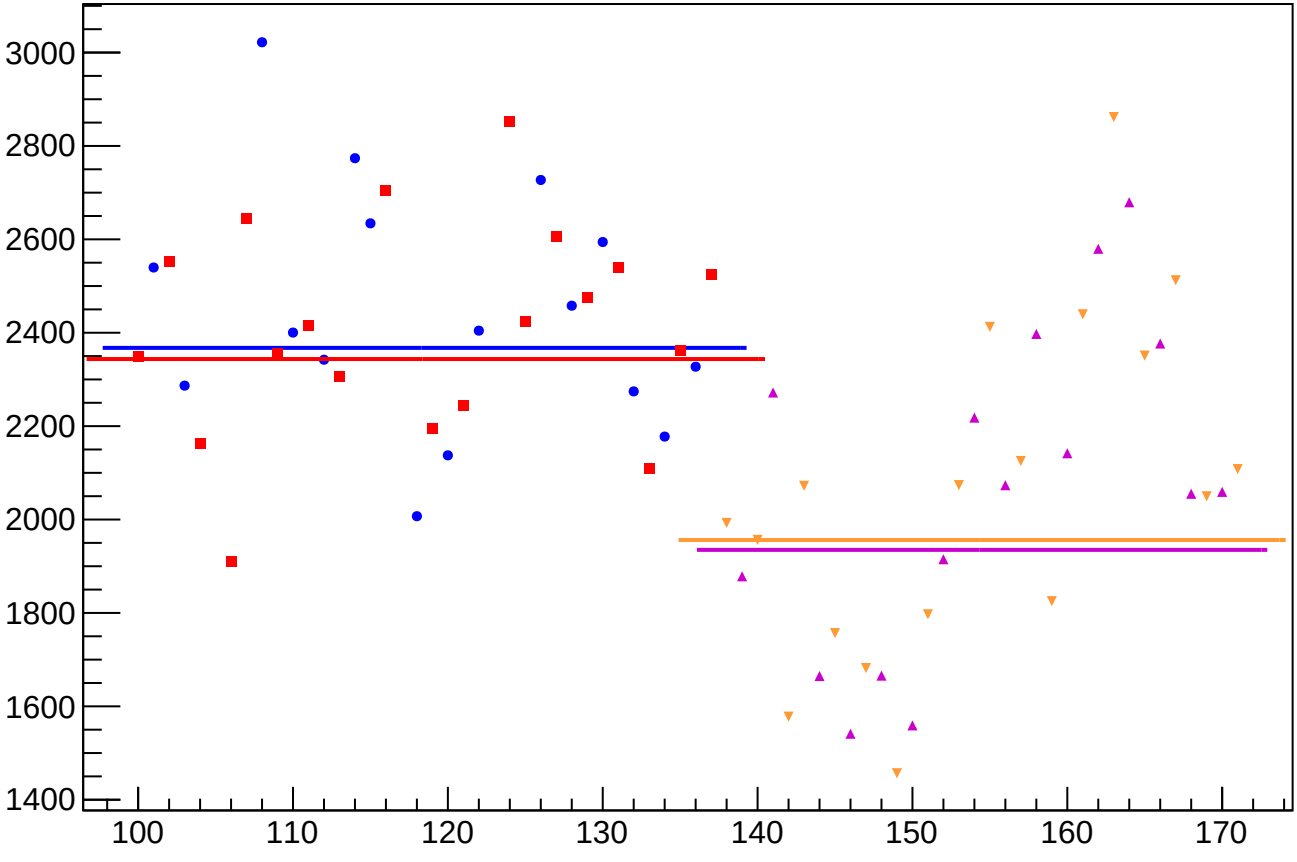
Left In: 73.597+/-0.544 χ^2/NDF:5875.8/15

\+ sign 34.248+/-0.453 χ^2/NDF: 12821.4/33

All: 43.406+/-0.323 χ^2/NDF: 29404.5/68

\- sign 52.835+/-0.460 χ^2/NDF: 15753.7/34

diff_bpm1i06X_rms vs Slug



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1956.185+/-0.373 χ^2/NDF:770071.0/17

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

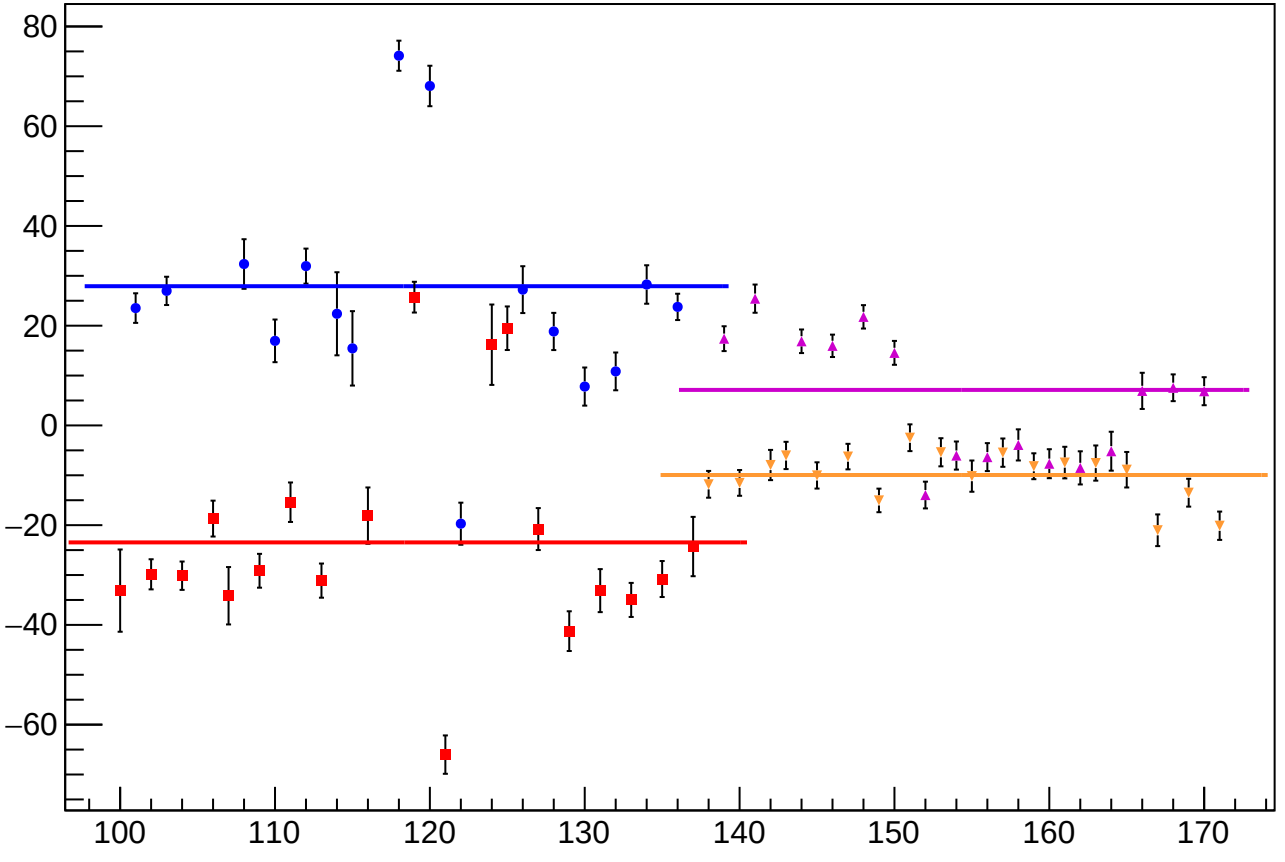
Left In: 1935.039+/-0.384 χ^2/NDF:706809.5/15

+ sign 2063.921+/-0.320 χ^2/NDF: 1215687.8/33

All: 2057.836+/-0.228 χ^2/NDF: 2357722.8/68

- sign 2051.572+/-0.325 χ^2/NDF: 1141302.9/34

diff_bpm1i06Y_mean vs Slug



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.943+/-0.666 χ^2/NDF:51.2/17

Right Out: -23.457+/-0.903 χ^2/NDF: 567.9/18

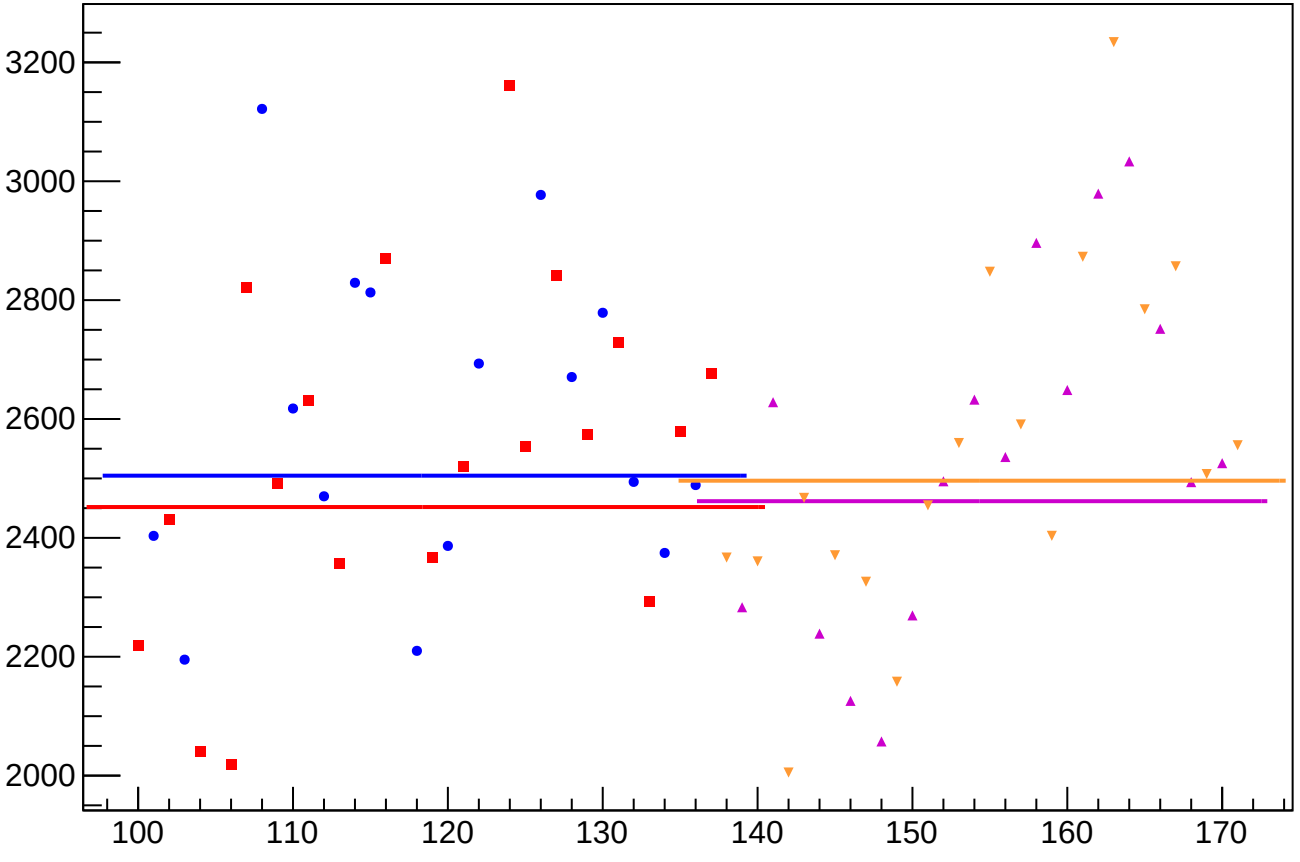
Left In: 7.122+/-0.685 χ^2/NDF:317.1/15

+ sign 2.764+/-0.543 χ^2/NDF: 1667.0/33

All: -0.628+/-0.385 χ^2/NDF: 3358.6/68

- sign -4.059+/-0.546 χ^2/NDF: 1613.0/34

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2496.193+/-0.471 χ^2/NDF:304161.0/17

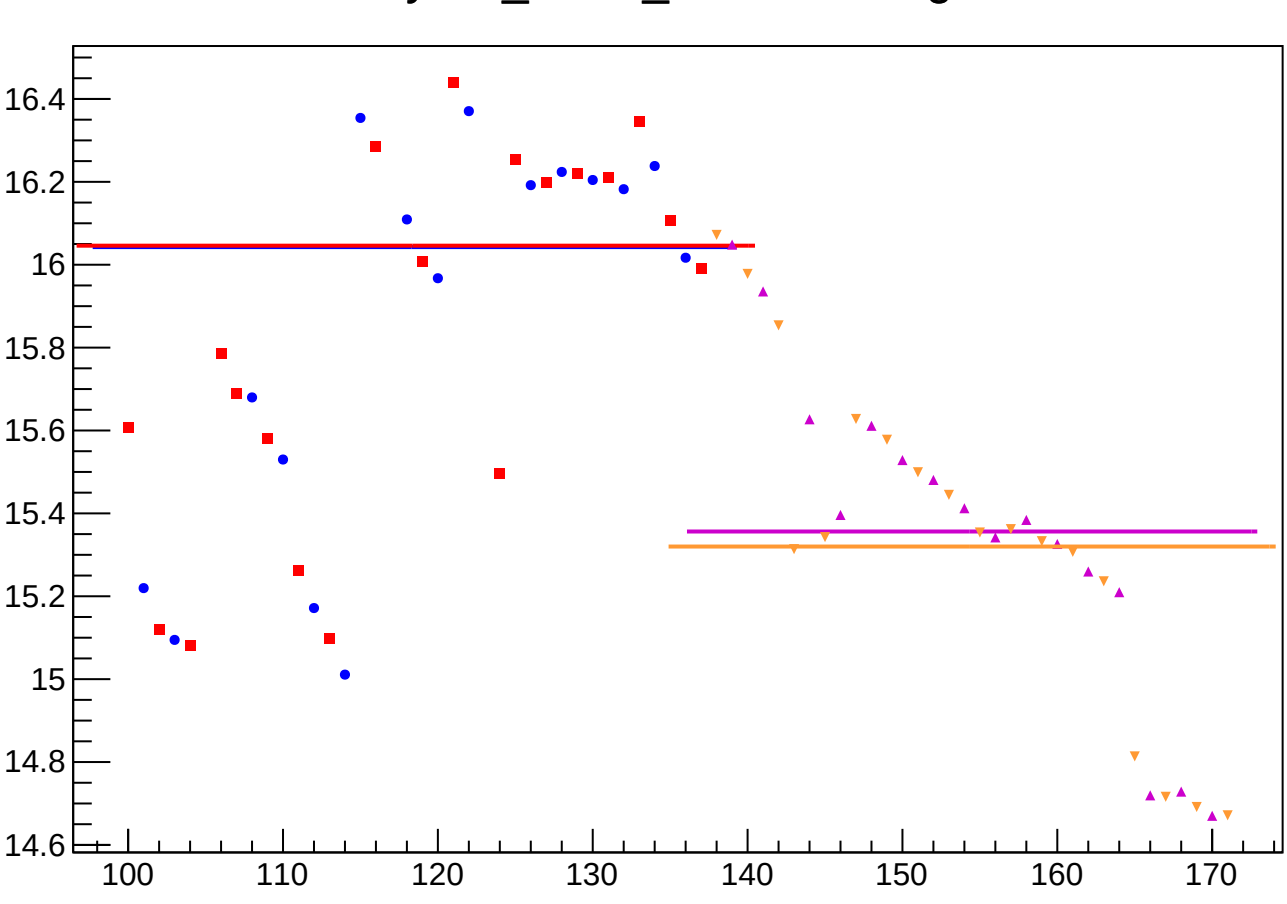
Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2461.730+/-0.485 χ^2/NDF:313488.2/15

+ sign 2499.033+/-0.384 χ^2/NDF: 430868.5/33

All: 2478.697+/-0.272 χ^2/NDF: 903393.5/68

- sign 2458.128+/-0.386 χ^2/NDF: 466876.3/34



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.320+/-0.000 χ^2/NDF:20388953341.1/17

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

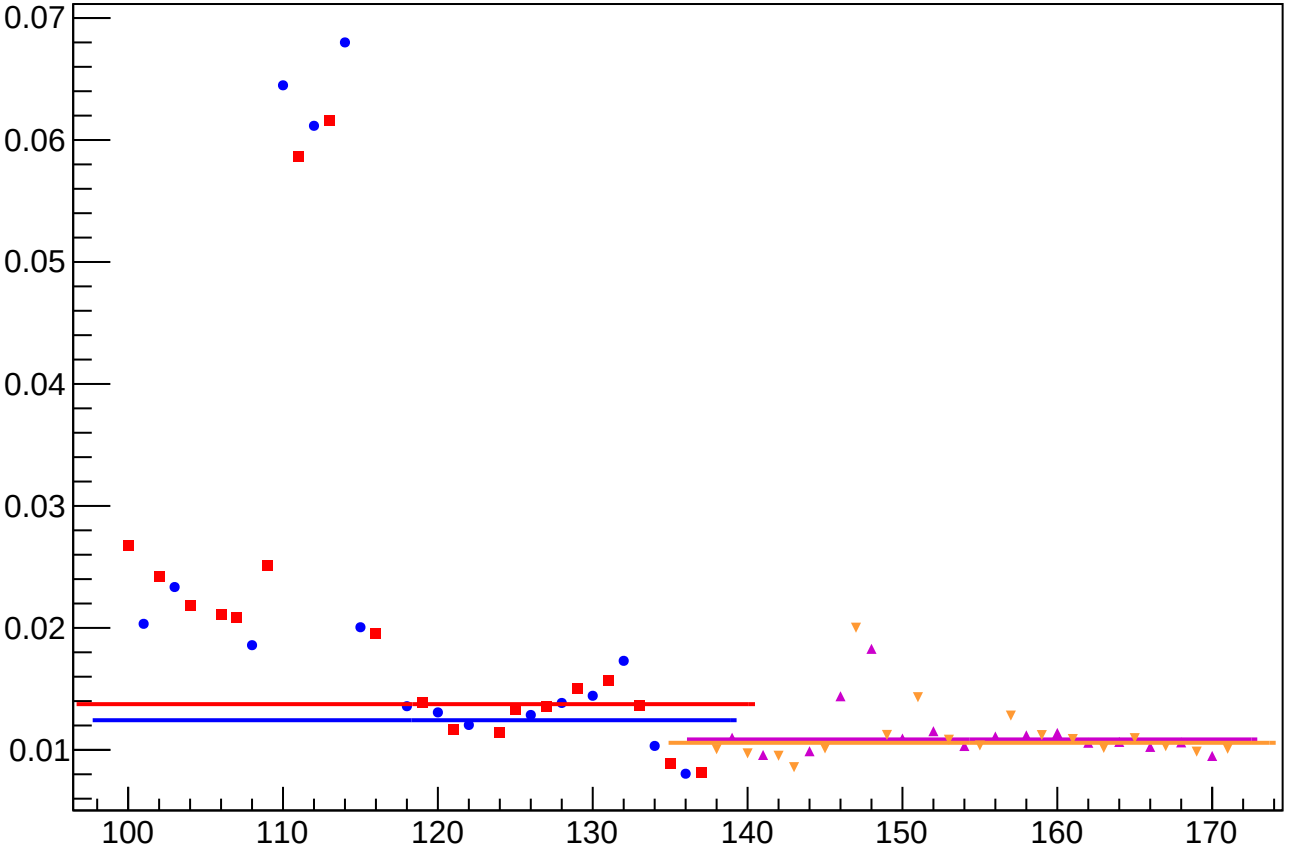
Left In: 15.356+/-0.000 χ^2/NDF:16695321638.8/15

+ sign 15.487+/-0.000 χ^2/NDF: 37527335815.8/33

All: 15.498+/-0.000 χ^2/NDF: 68927167585.4

- sign 15.510+/-0.000 χ^2/NDF: 31360439899.2/34

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:652368.0/17

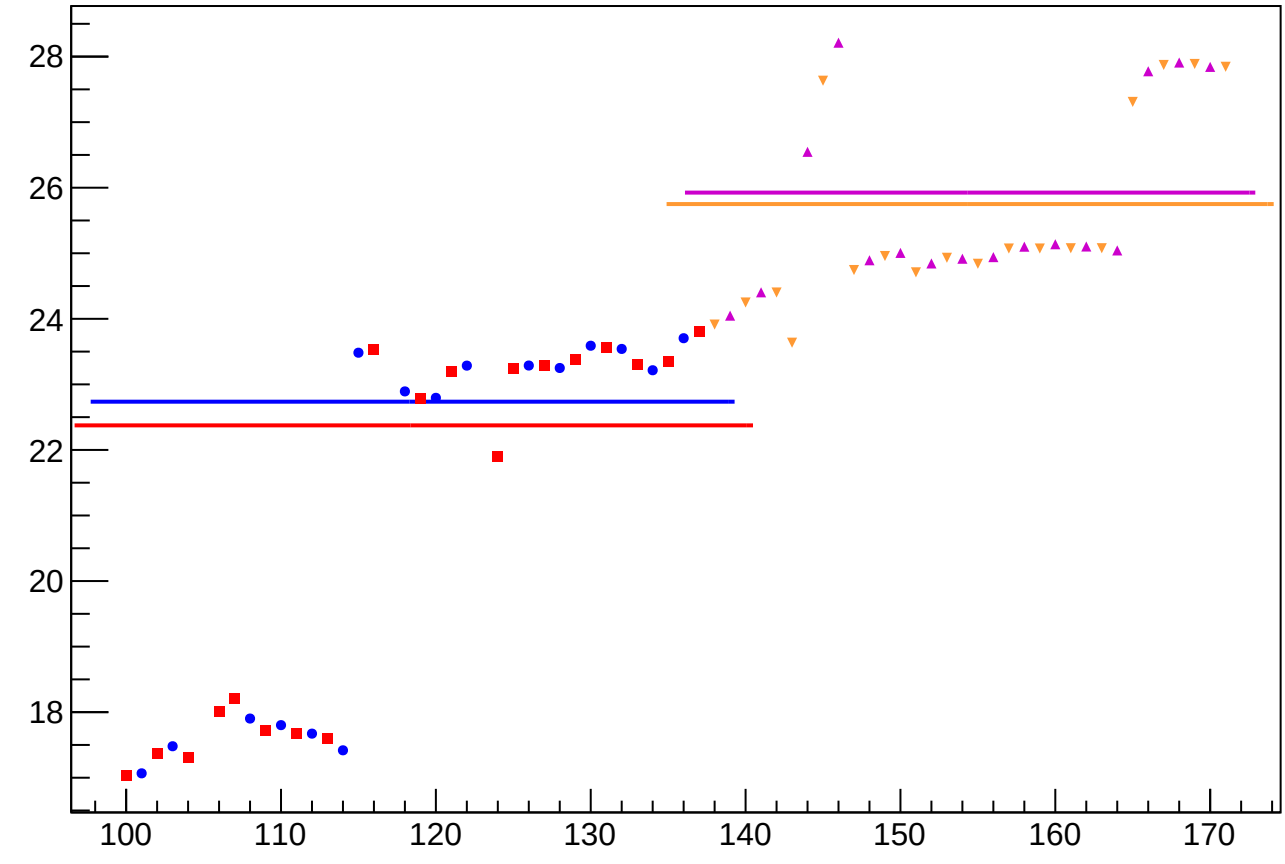
Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:458452.3/15

+ sign 0.011+/-0.000 χ^2/NDF: 3156927.1/33

All: 0.011+/-0.000 χ^2/NDF: 6272227.0/68

- sign 0.012+/-0.000 χ^2/NDF: 3080091.2/34



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.751+/-0.000 χ^2/NDF:2304591537.9/17

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

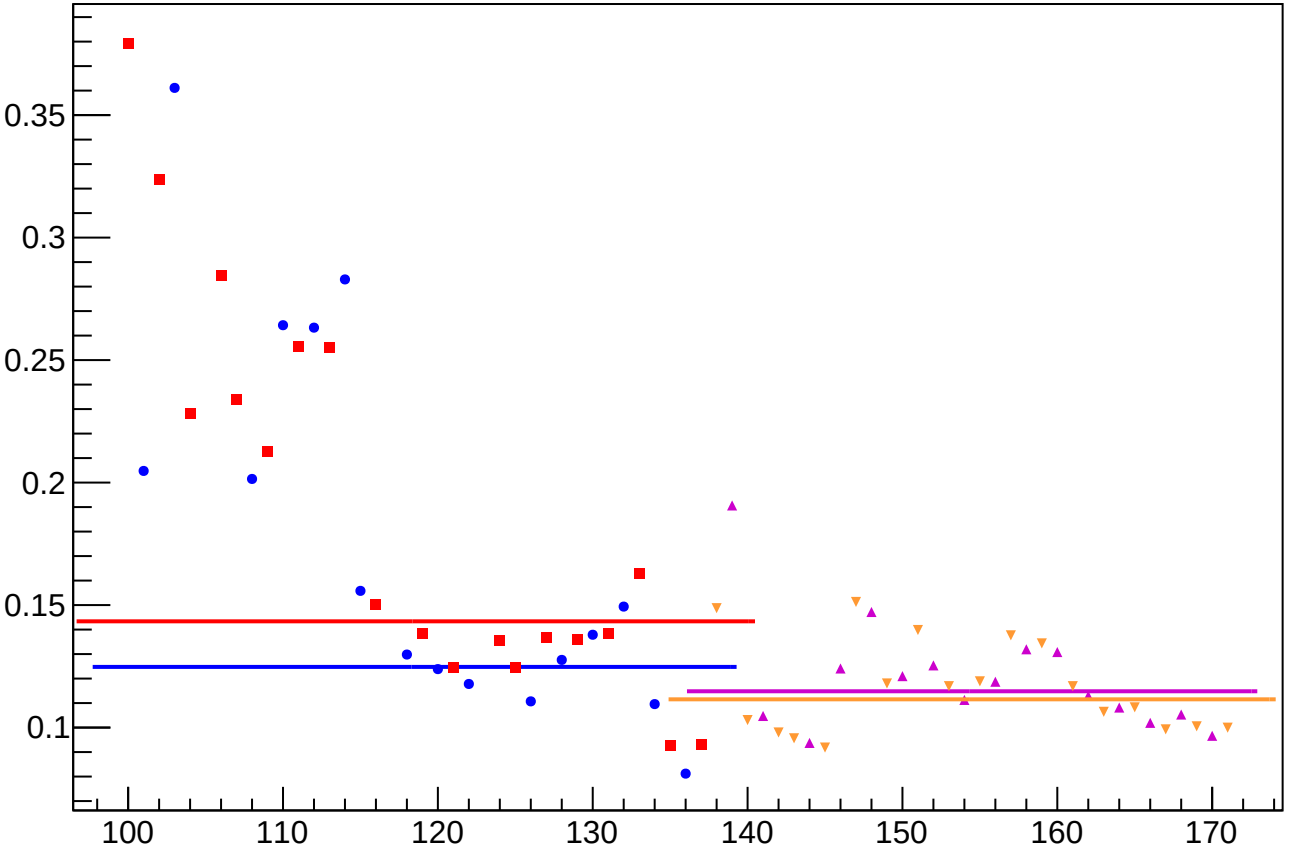
Left In: 25.925+/-0.000 χ^2/NDF:1636063956.8/15

+ sign 24.966+/-0.000 χ^2/NDF: 5834954380.9/33

All: 25.006+/-0.000 χ^2/NDF: 11348468081.1

- sign 25.052+/-0.000 χ^2/NDF: 5509006240.0/34

yield_sam2_rms vs Slug



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:547997.3/17

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

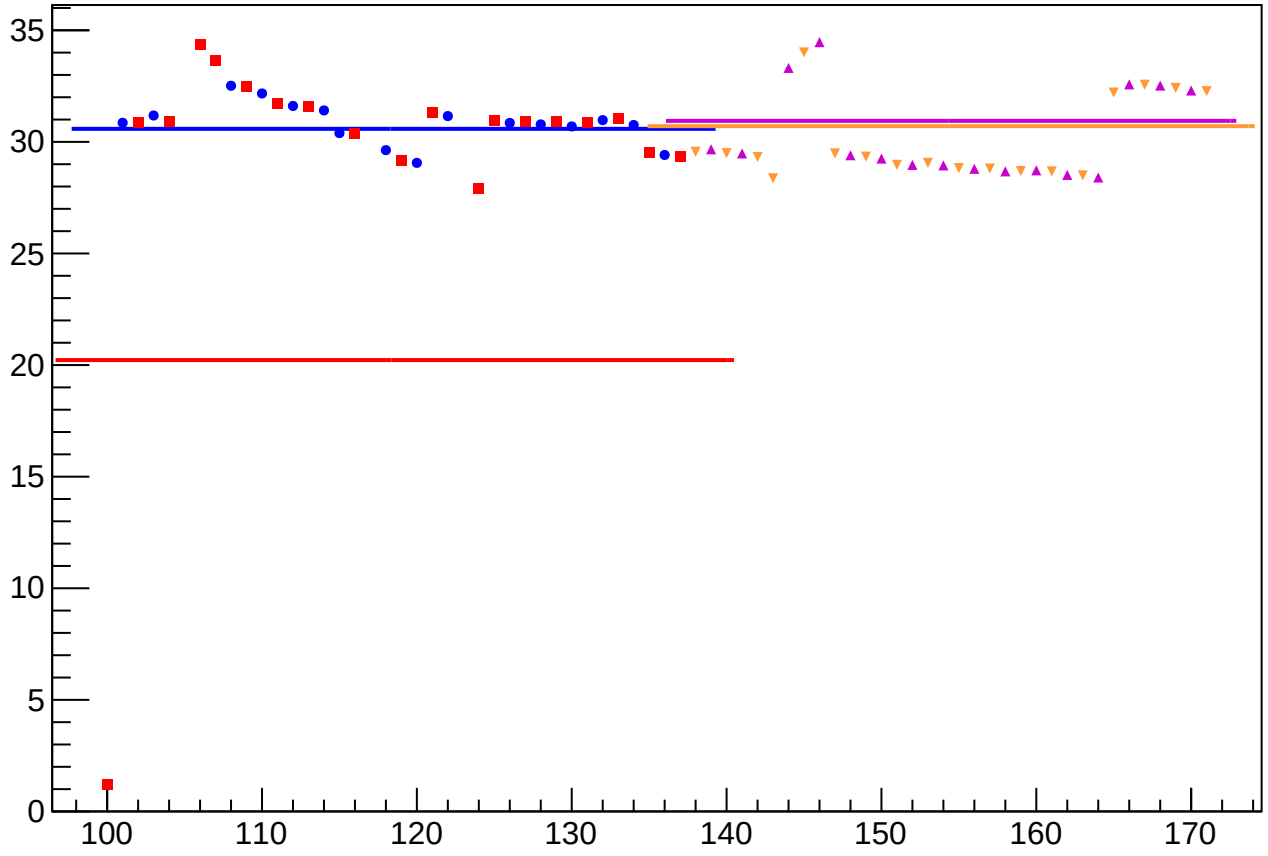
Left In: 0.115+/-0.000 χ^2/NDF:586000.4/15

+ sign 0.115+/-0.000 χ^2/NDF: 2386858.3/33

All: 0.118+/-0.000 χ^2/NDF: 4944235.1/68

- sign 0.122+/-0.000 χ^2/NDF: 2499771.7/34

yield_sam3_mean vs Slug



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.704+/-0.000 χ^2/NDF:10829750031.8/17

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

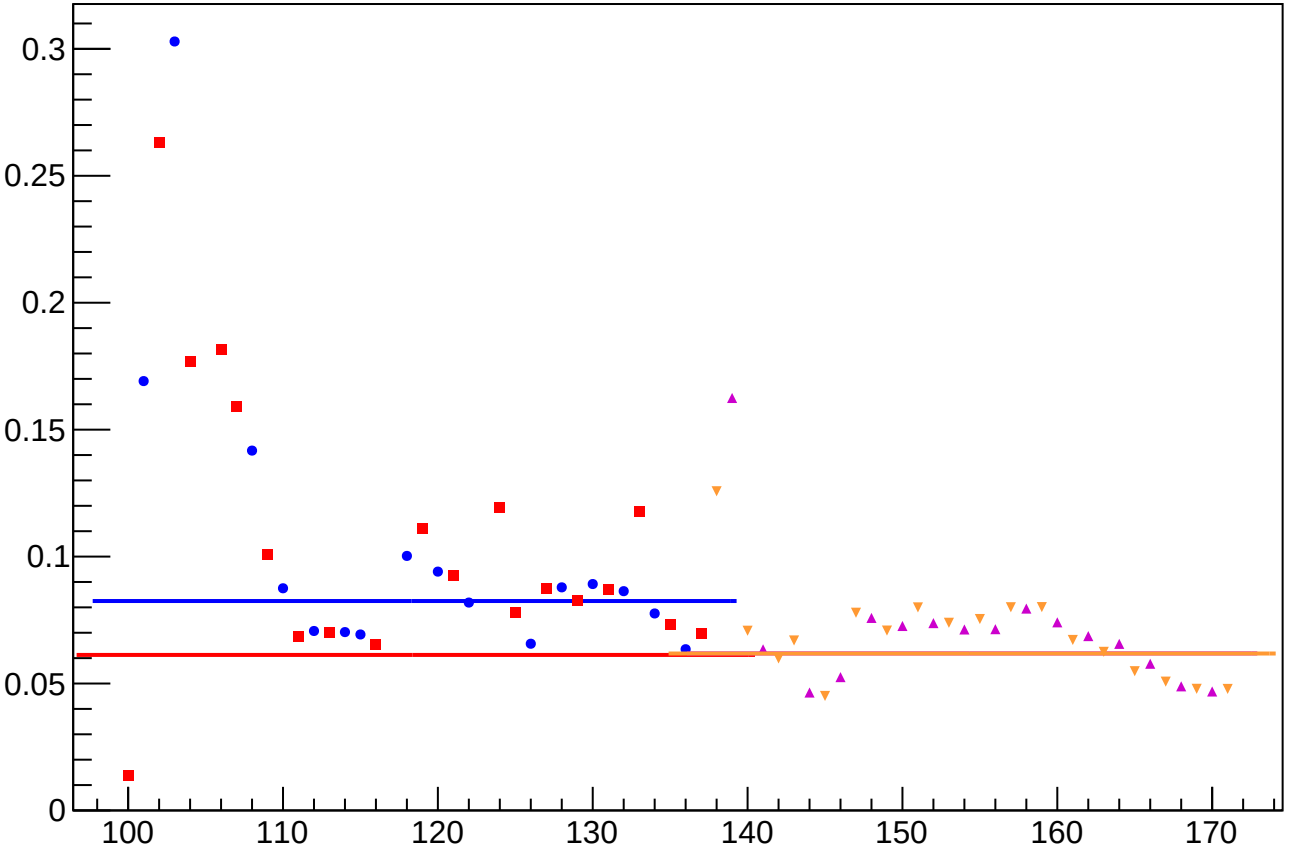
Left In: 30.942+/-0.000 χ^2/NDF:11707770043.4/15

+ sign 30.678+/-0.000 χ^2/NDF: 11490651825.9/33

All: 29.204+/-0.000 χ^2/NDF: 347799653019.

- sign 27.768+/-0.000 χ^2/NDF: 320947646852.2/34

yield_sam3_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.062+/-0.000 χ^2/NDF:1212276.9/17

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

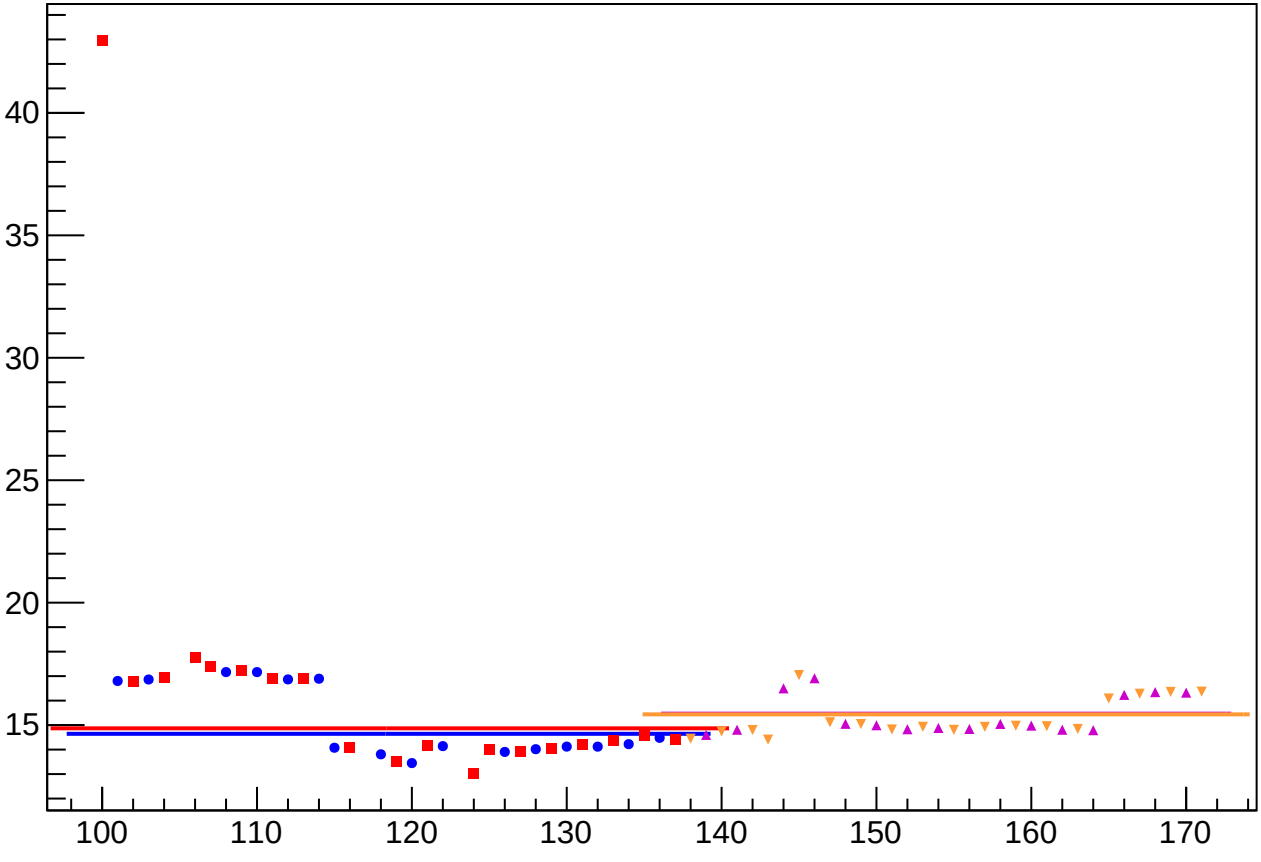
Left In: 0.062+/-0.000 χ^2/NDF:1342032.9/15

+ sign 0.066+/-0.000 χ^2/NDF: 2992658.9/33

All: 0.064+/-0.000 χ^2/NDF: 8426523.9/68

- sign 0.062+/-0.000 χ^2/NDF: 5356872.7/34

yield_sam4_mean vs Slug



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.439+/-0.000 χ^2/NDF:1840876990.4/17

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

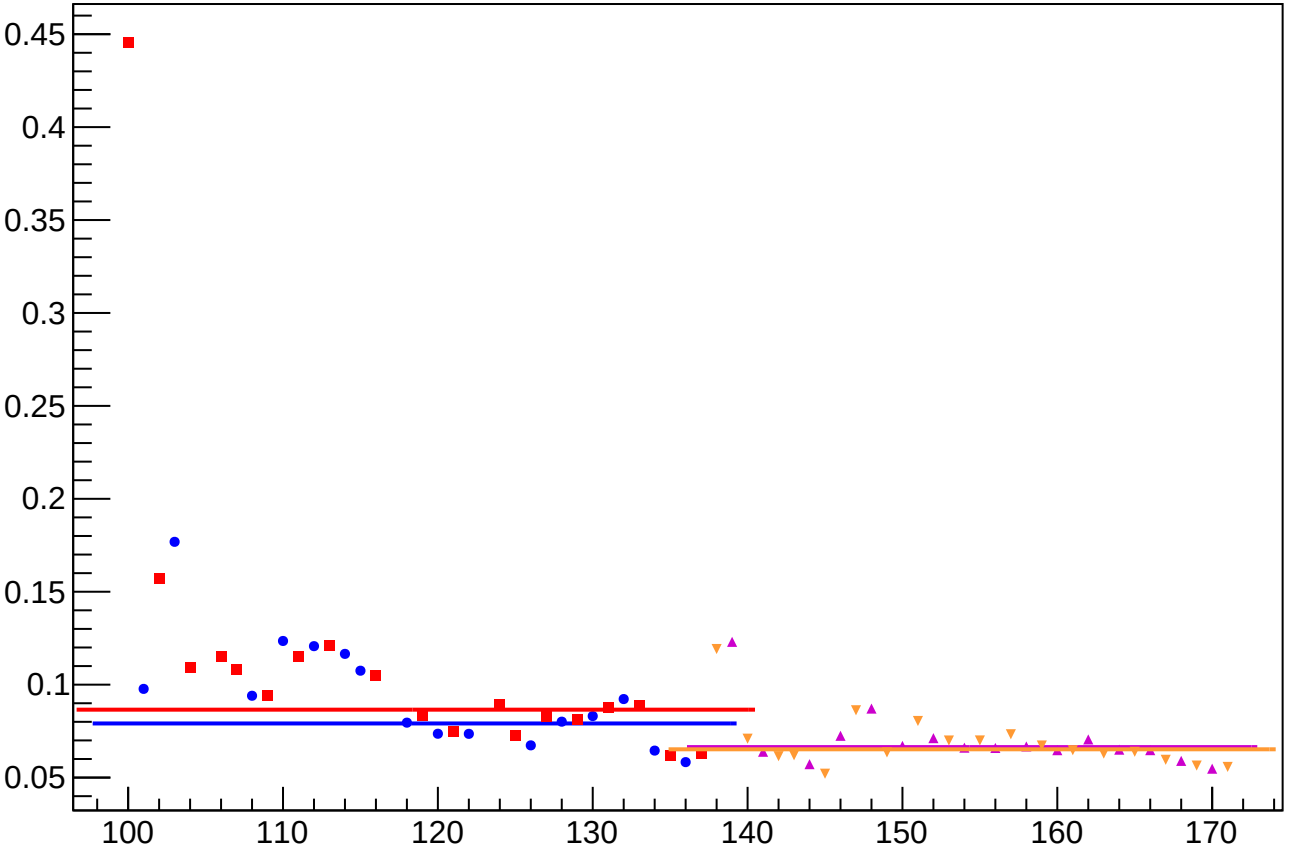
Left In: 15.467+/-0.000 χ^2/NDF:1476976981.3/15

+ sign 15.239+/-0.000 χ^2/NDF: 3478258086.8/33

All: 15.277+/-0.000 χ^2/NDF: 6918627940.5/6

- sign 15.320+/-0.000 χ^2/NDF: 3428932399.4/34

yield_sam4_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:653196.1/17

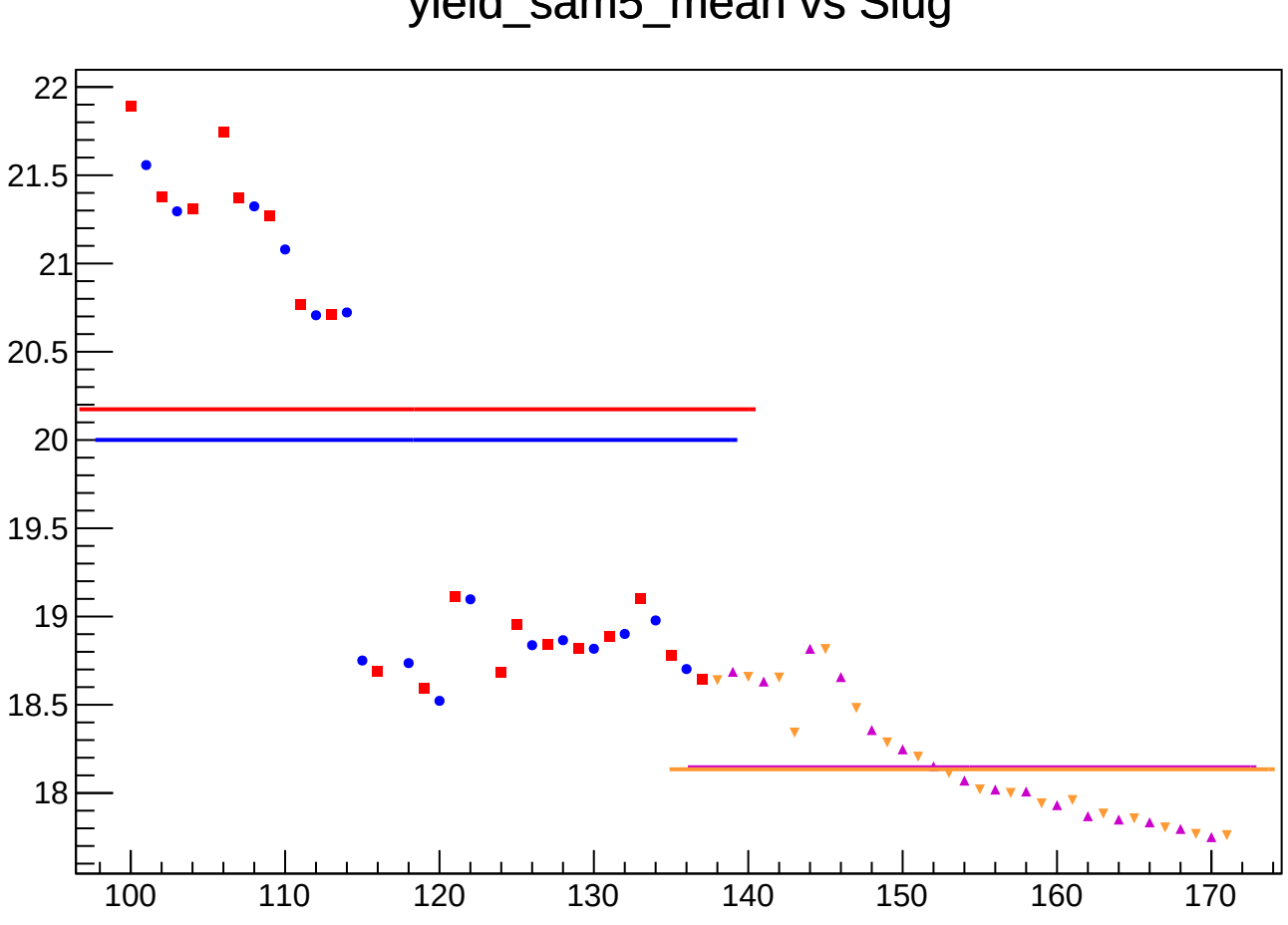
Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:583222.5/15

+ sign 0.069+/-0.000 χ^2/NDF: 1843249.9/33

All: 0.070+/-0.000 χ^2/NDF: 3746413.8/68

- sign 0.071+/-0.000 χ^2/NDF: 1878423.5/34



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.135+/-0.000 χ^2/NDF:1530032495.9/17

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

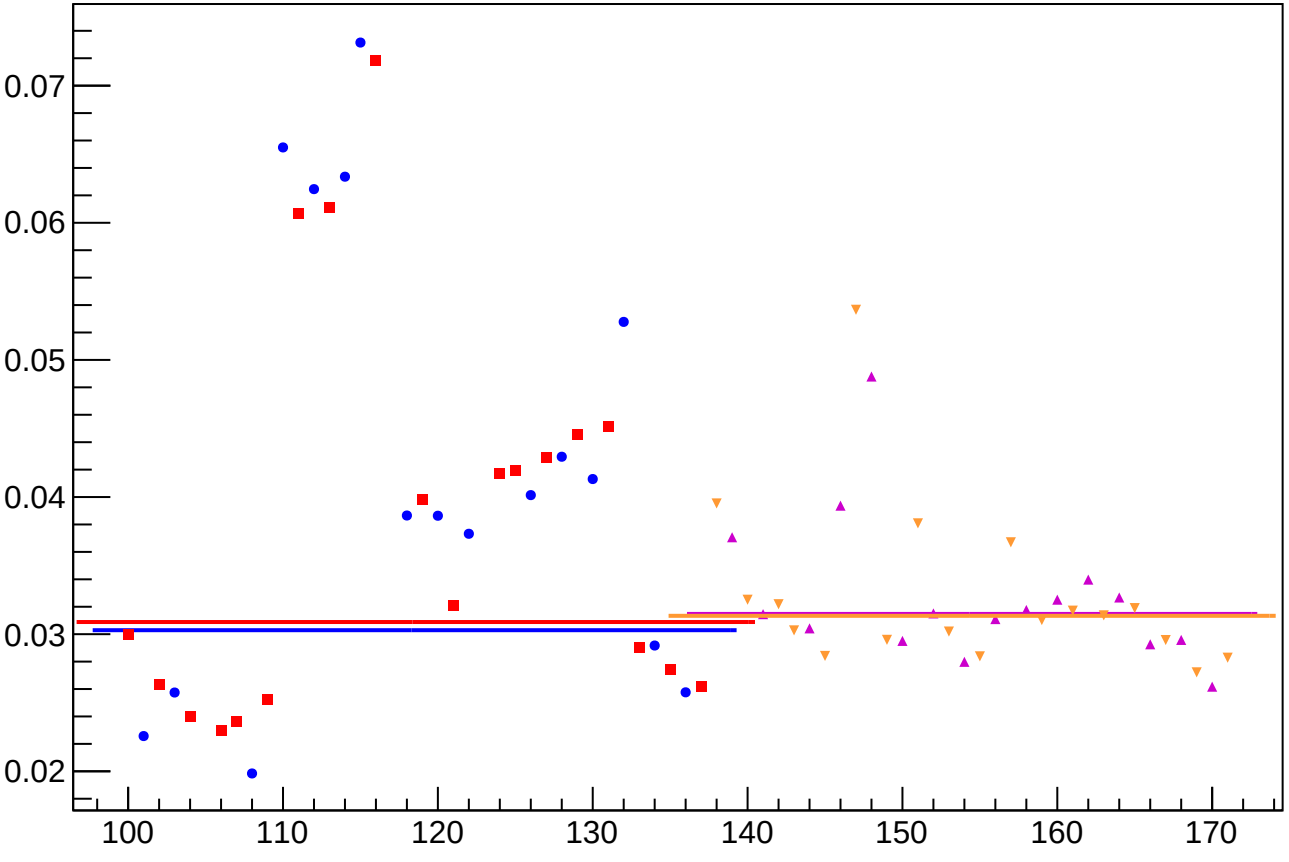
Left In: 18.146+/-0.000 χ^2/NDF:1477172020.0/15

+ sign 18.736+/-0.000 χ^2/NDF: 27745562591.3/33

All: 18.786+/-0.000 χ^2/NDF: 57407538145.3

- sign 18.839+/-0.000 χ^2/NDF: 29557652137.5/34

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:530369.9/17

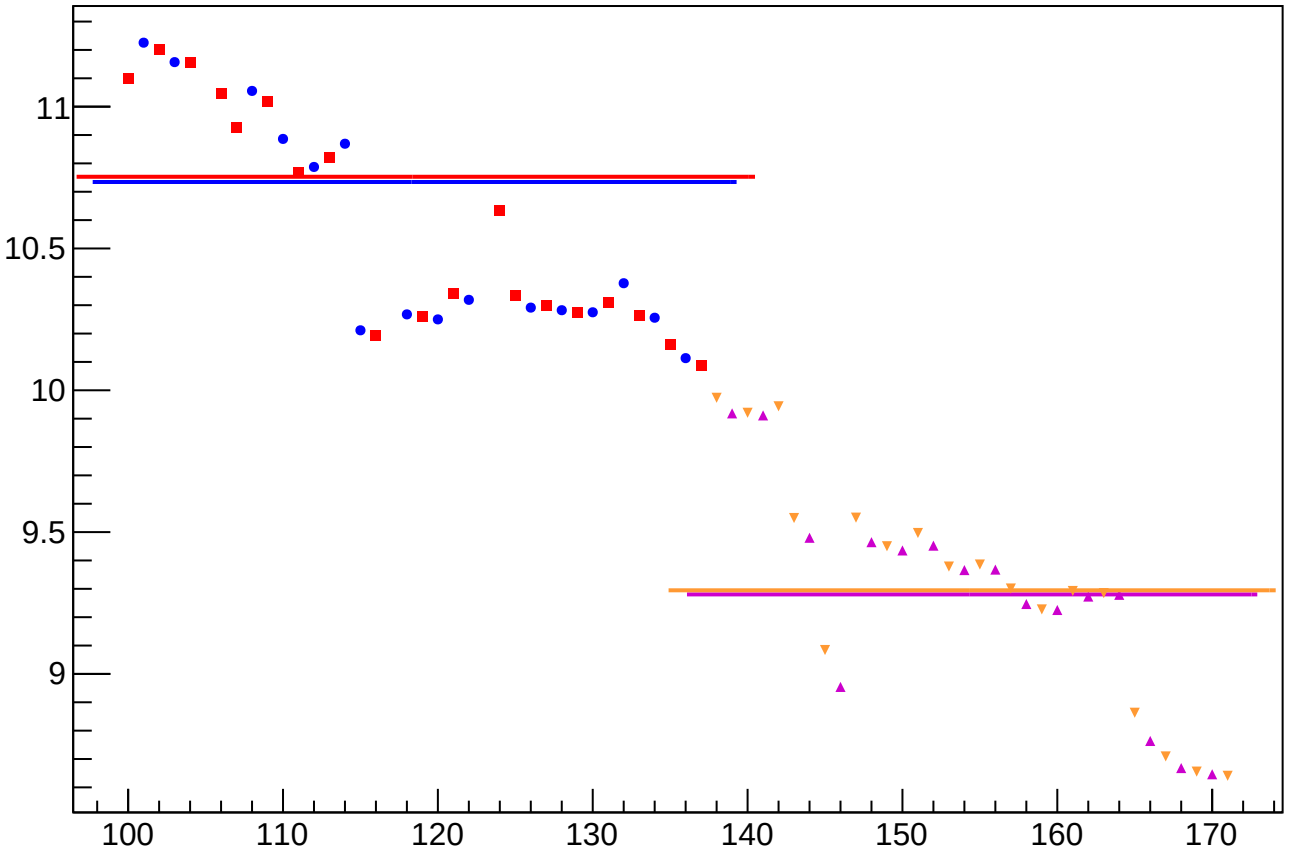
Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:428759.0/15

+ sign 0.031+/-0.000 χ^2/NDF: 1987435.0/33

All: 0.031+/-0.000 χ^2/NDF: 3625379.9/68

- sign 0.031+/-0.000 χ^2/NDF: 1636474.5/34



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.295+/-0.000 χ^2/NDF:5411546994.4/17

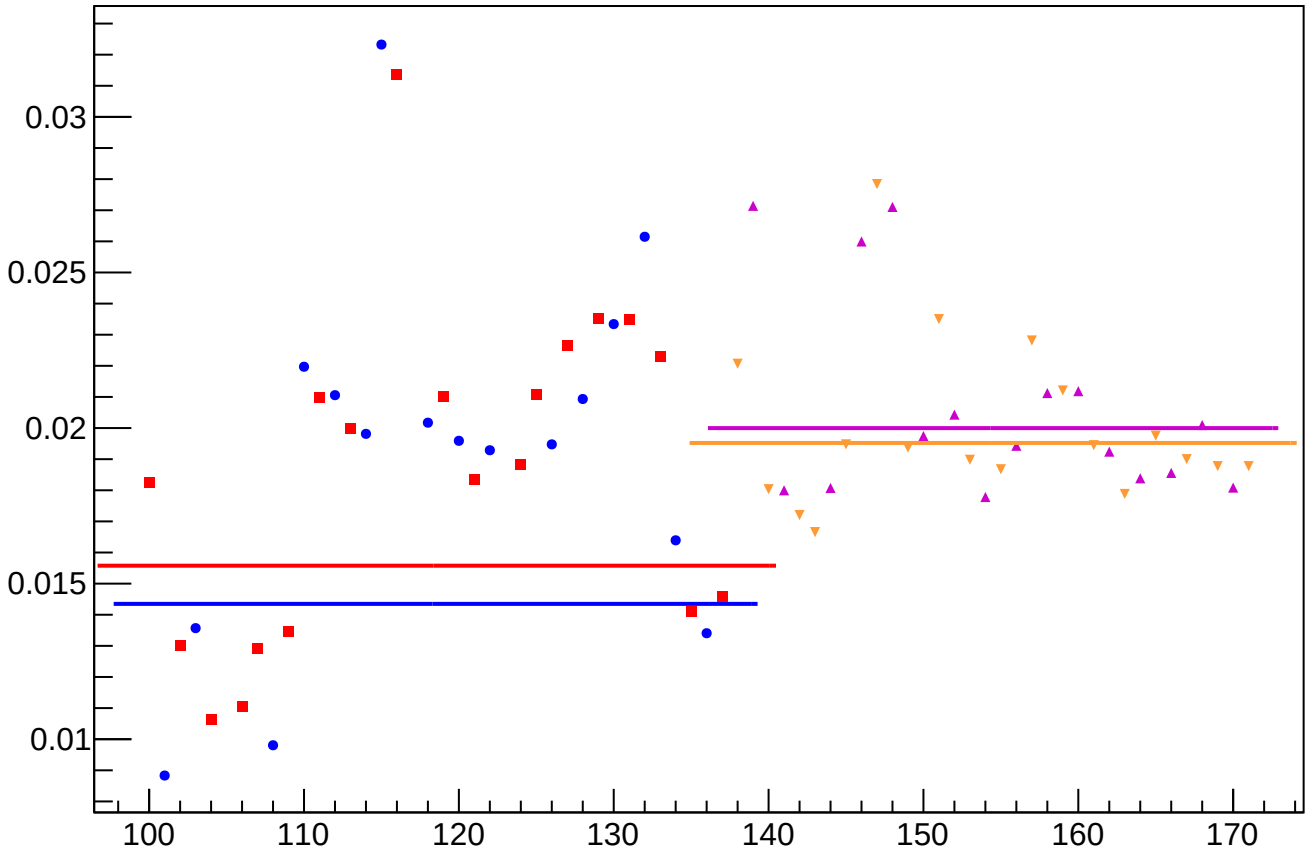
Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.280+/-0.000 χ^2/NDF:3922660557.4/15

+ sign 9.941+/-0.000 χ^2/NDF: 42826458669.0/33

All: 9.949+/-0.000 χ^2/NDF: 80935395571.5/6

- sign 9.959+/-0.000 χ^2/NDF: 38100061554.6/34



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:337629.3/17

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

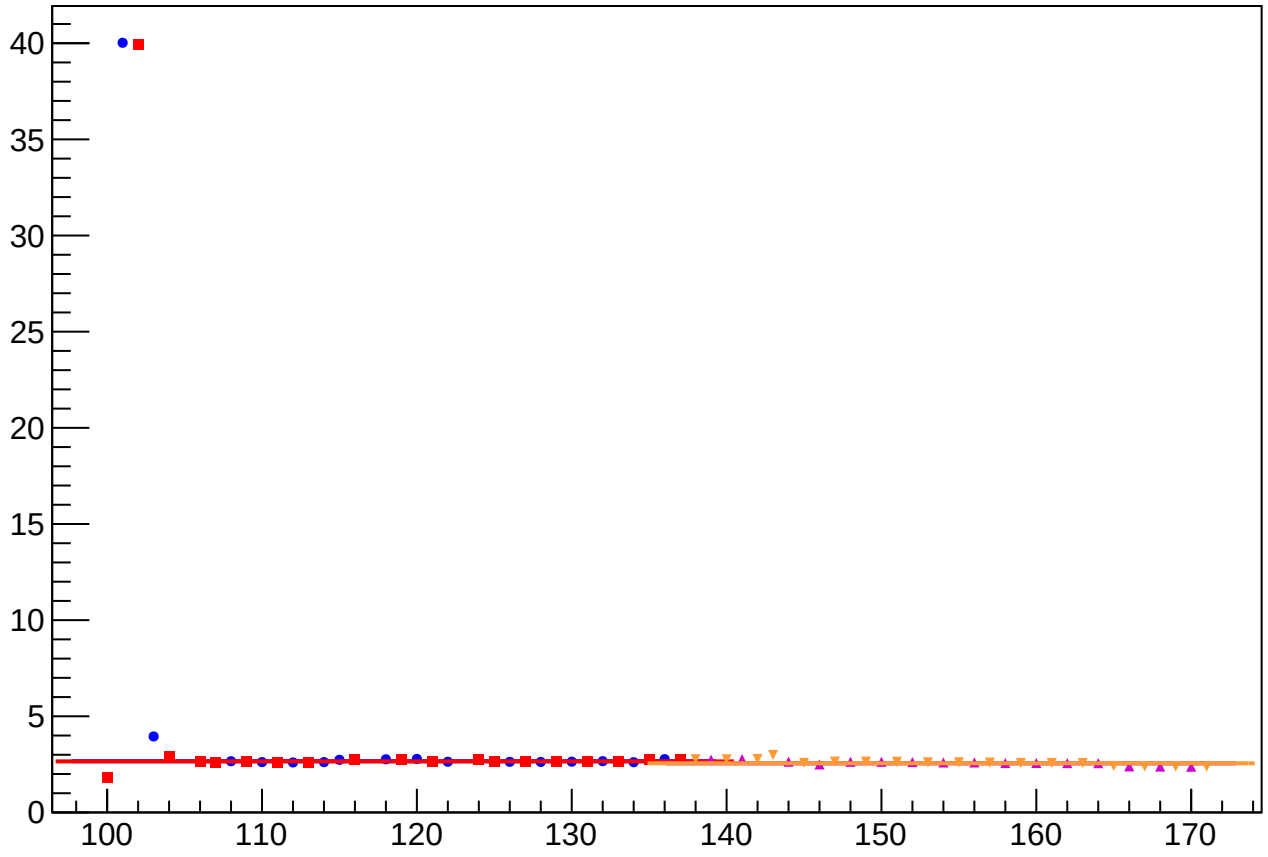
Left In: 0.020+/-0.000 χ^2/NDF:418333.6/15

+ sign 0.017+/-0.000 χ^2/NDF: 2633463.5/33

All: 0.018+/-0.000 χ^2/NDF: 4695615.4/68

- sign 0.018+/-0.000 χ^2/NDF: 2028286.4/34

yield_sam7_mean vs Slug



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.557+/-0.000 χ^2/NDF:57748771829.7/17

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

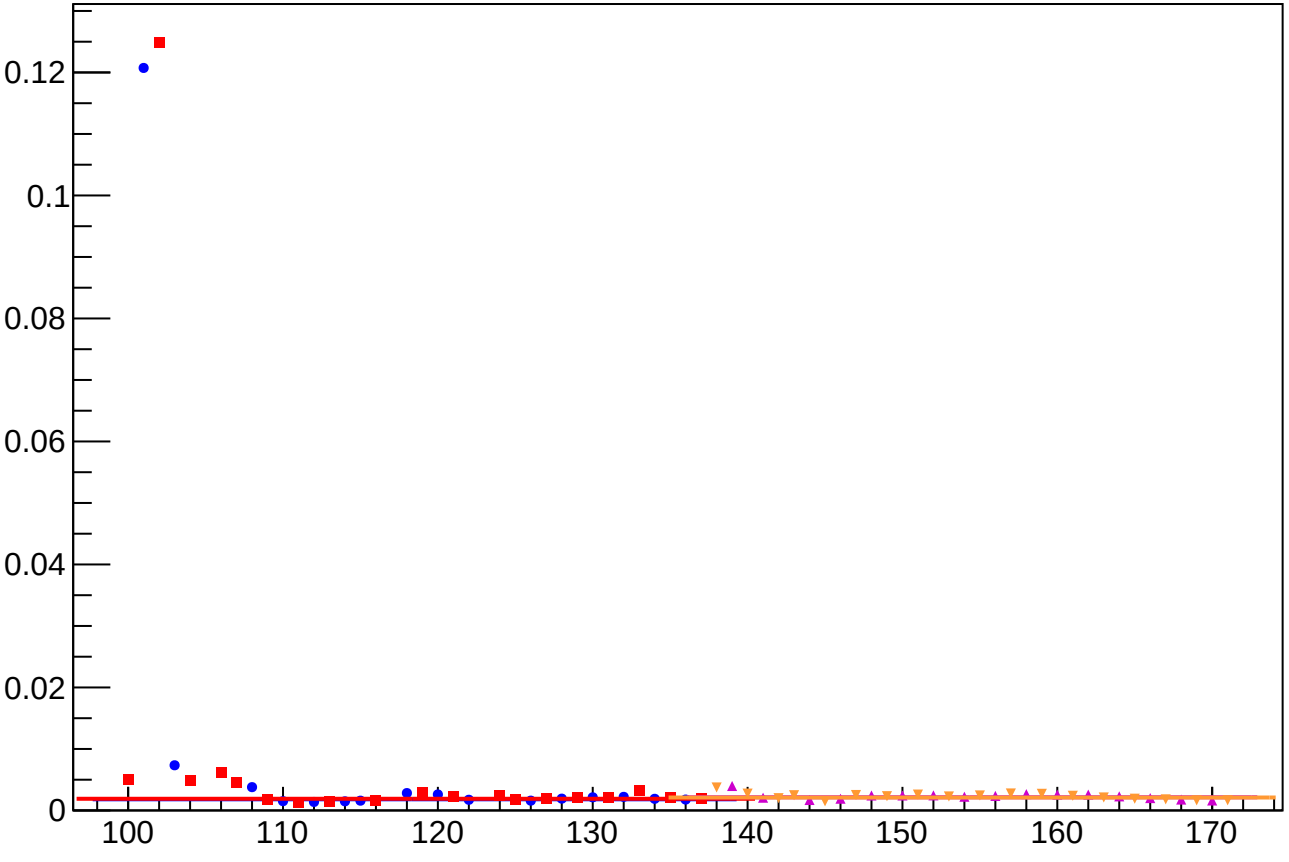
Left In: 2.553+/-0.000 χ^2/NDF:32017993887.3/15

+ sign 2.595+/-0.000 χ^2/NDF: 136219829945.8/33

All: 2.594+/-0.000 χ^2/NDF: 242693839500.8

- sign 2.592+/-0.000 χ^2/NDF: 106455580391.9/34

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:1161121.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

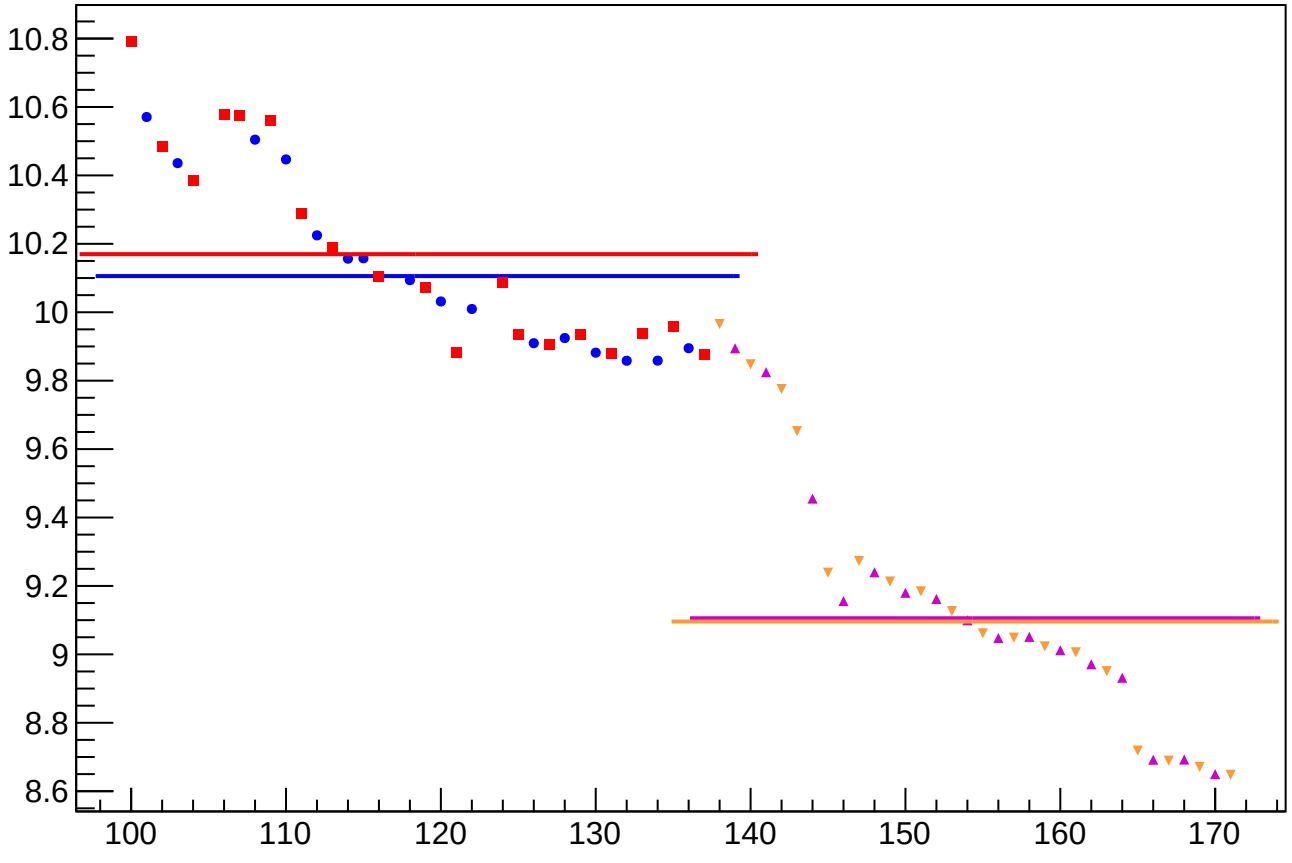
Left In: 0.002+/-0.000 χ^2/NDF:890673.9/15

+ sign 0.002+/-0.000 χ^2/NDF: 3140044.1/33

All: 0.002+/-0.000 χ^2/NDF: 6668744.3/68

- sign 0.002+/-0.000 χ^2/NDF: 3519163.0/34

yield_sam8_mean vs Slug



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.096+/-0.000 χ^2/NDF:37239956371.5/17

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

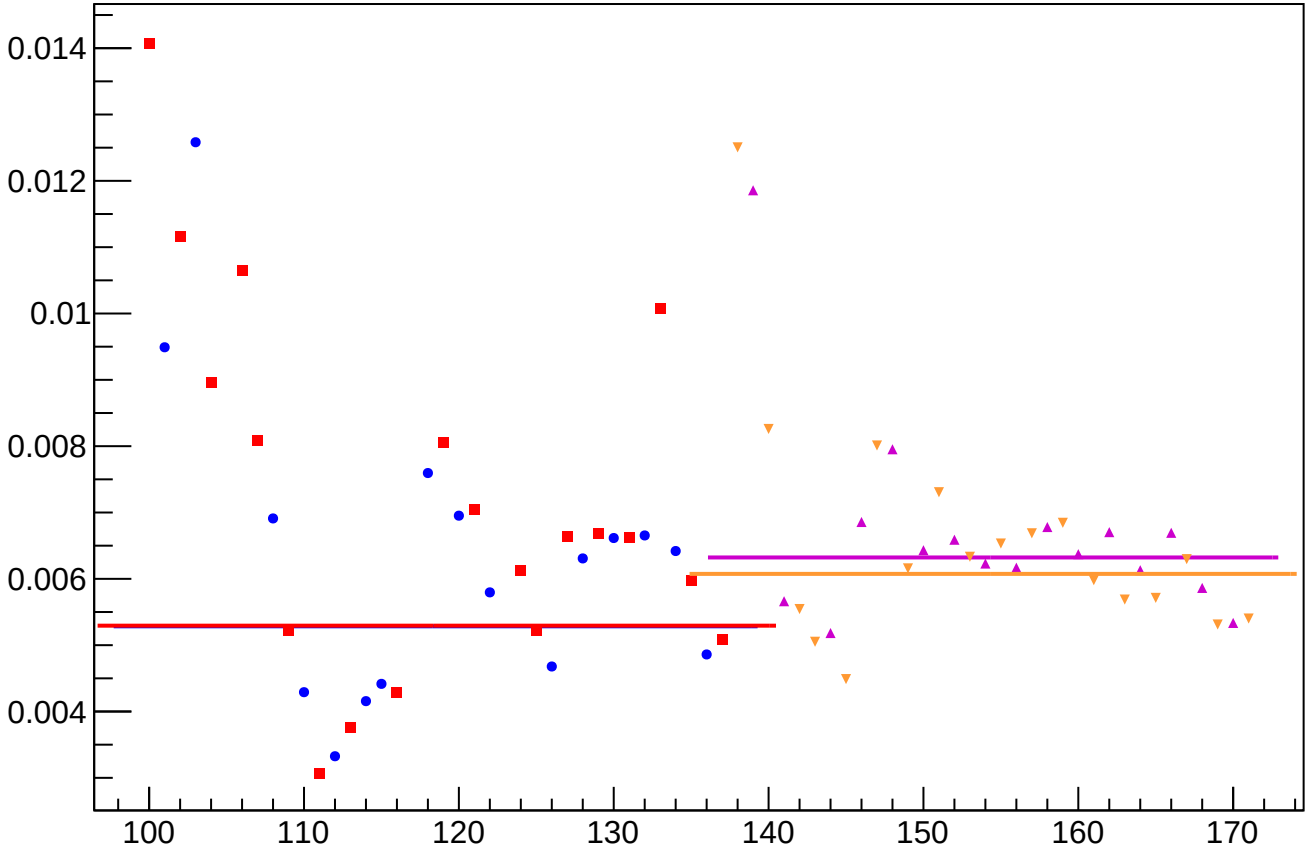
Left In: 9.106+/-0.000 χ^2/NDF:28103068110.1/15

+ sign 9.485+/-0.000 χ^2/NDF: 167526649221.8/33

All: 9.521+/-0.000 χ^2/NDF: 334082959013.5

- sign 9.559+/-0.000 χ^2/NDF: 165264605304.2/34

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:885634.0/17

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

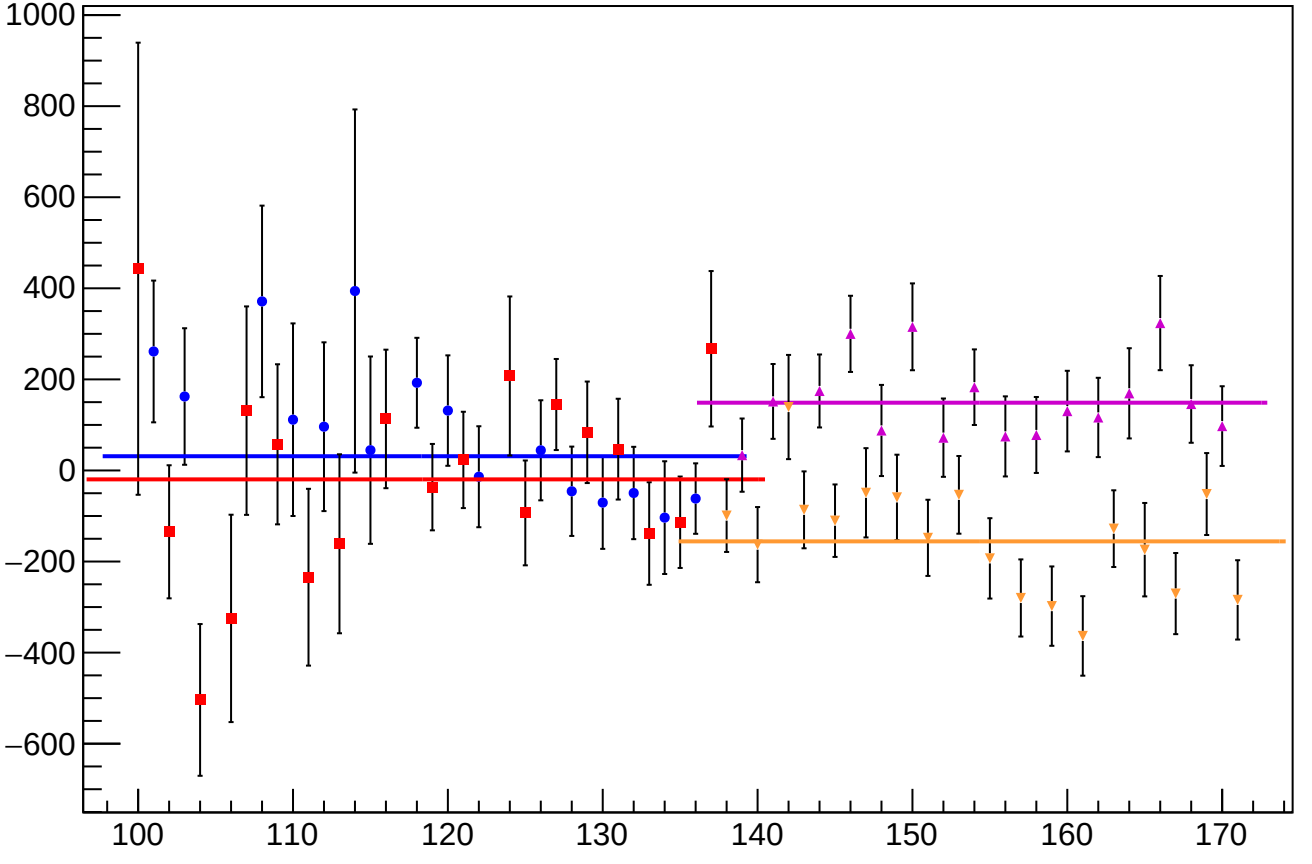
Left In: 0.006+/-0.000 χ^2/NDF:567864.1/15

+ sign 0.006+/-0.000 χ^2/NDF: 2308137.0/33

All: 0.006+/-0.000 χ^2/NDF: 4913587.2/68

- sign 0.006+/-0.000 χ^2/NDF: 2599140.5/34

reg_asym_sam1_mean vs Slug



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.717+/-20.742 χ^2/NDF:27.8/17

Right Out: -19.573+/-31.059 χ^2/NDF: 25.9/18

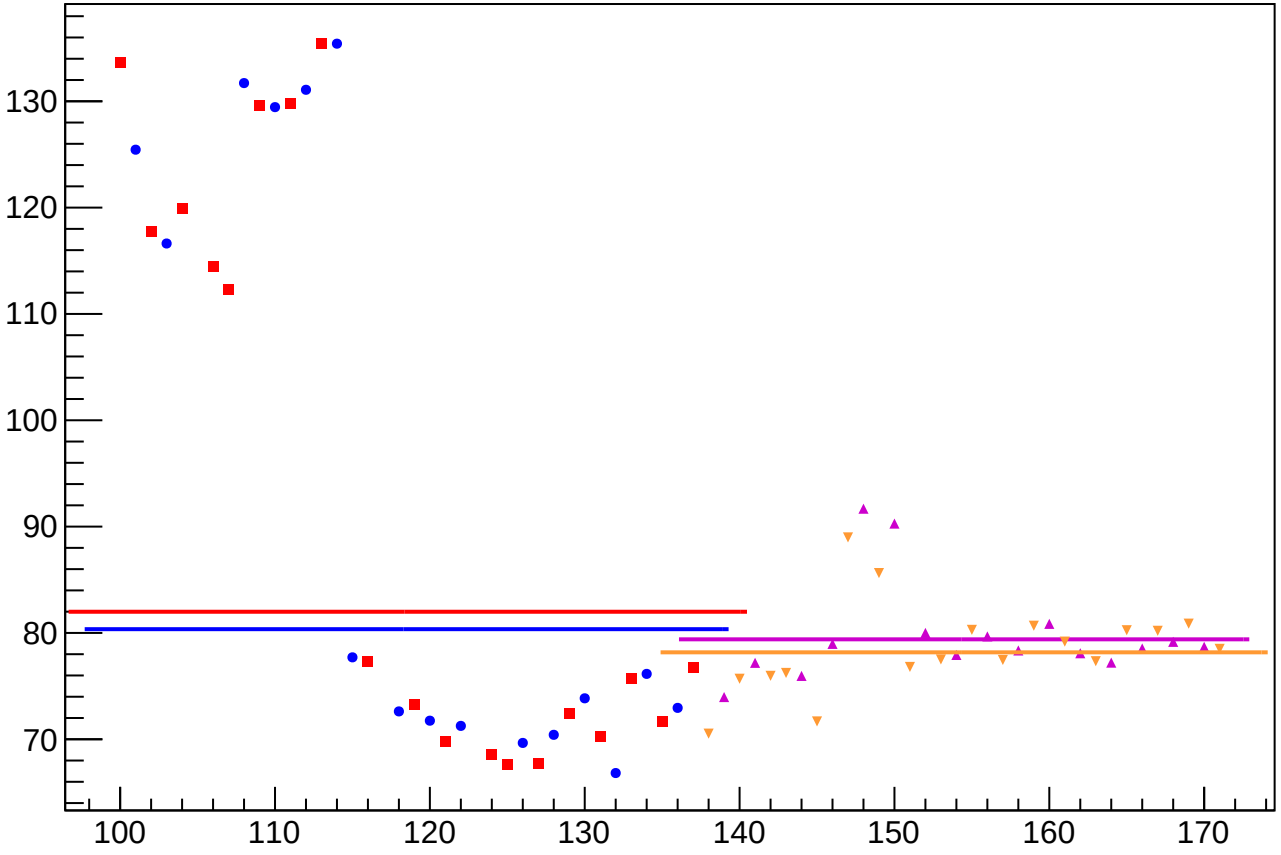
Left In: 148.785+/-21.885 χ^2/NDF:14.7/15

\+ sign -97.345+/-17.202 χ^2/NDF: 68.3/33

All: -5.935+/-12.400 χ^2/NDF: 187.2/68

\- sign 92.929+/-17.890 χ^2/NDF: 60.2/34

reg_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

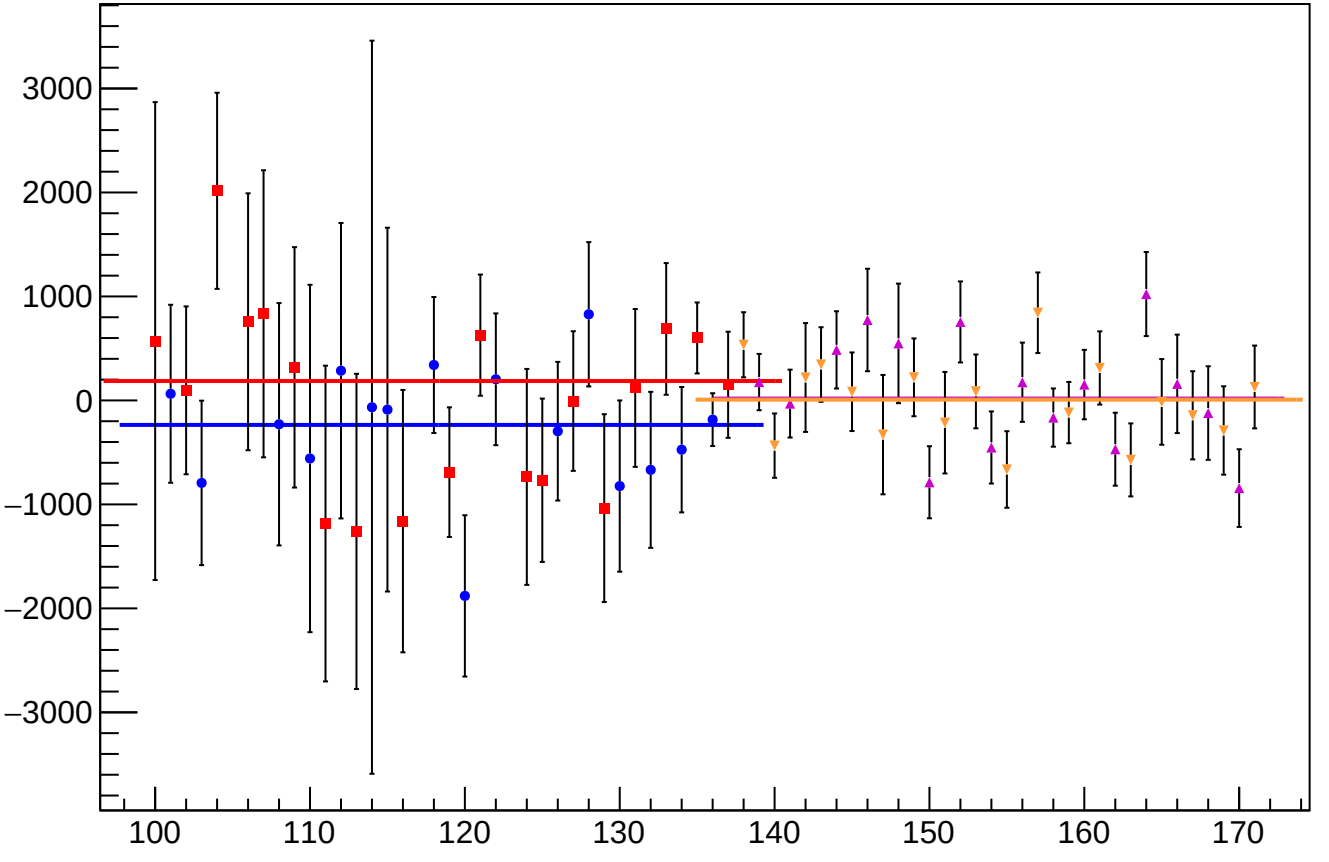
Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

+ sign 78.856+/-0.012 χ^2/NDF: 926918.6/33

All: 79.530+/-0.009 χ^2/NDF: 1948791.4/68

- sign 80.259+/-0.013 χ^2/NDF: 1015477.6/34

asym_sam1_reg_correction_mean vs Slug



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

Right Out: 186.618+/-170.394 χ^2/NDF: 16.0/18

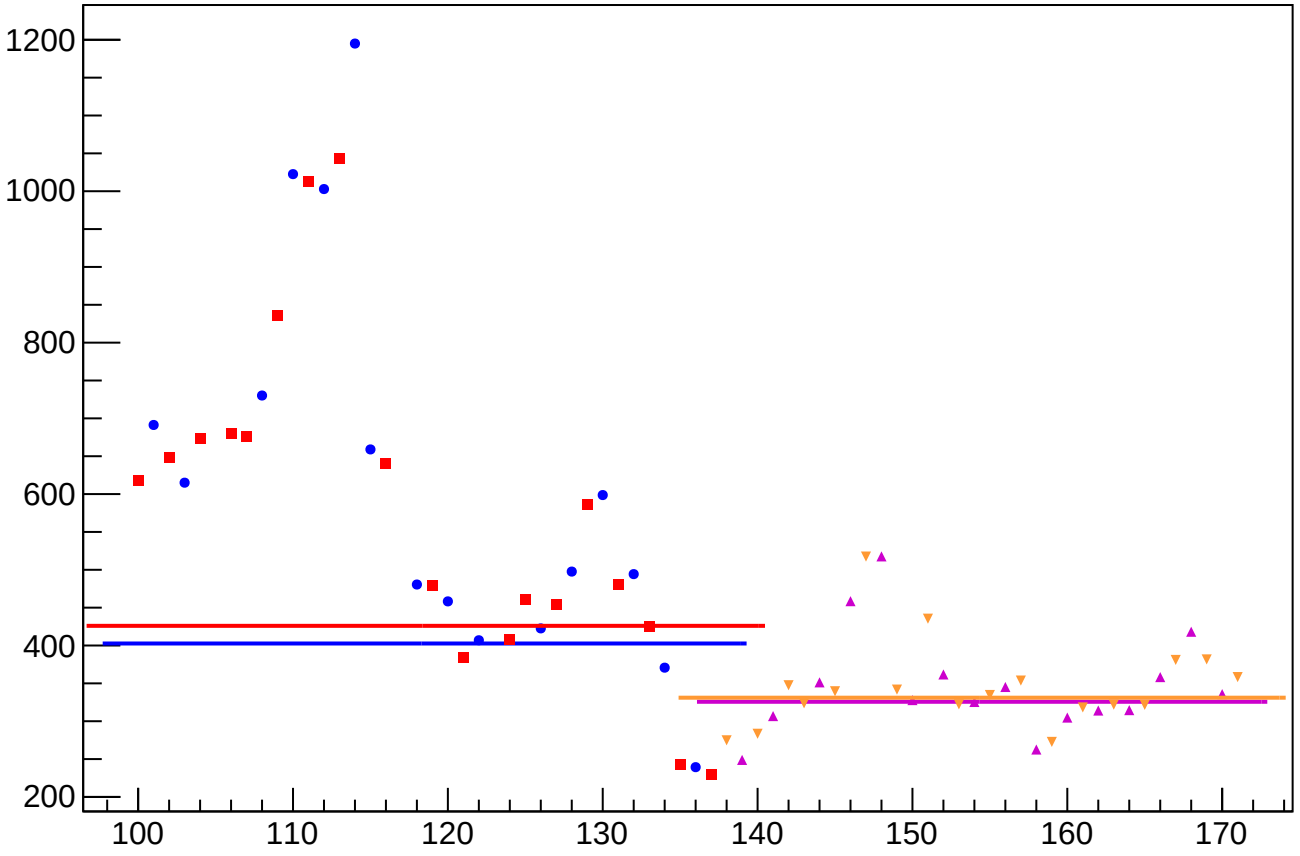
Left In: 17.691+/-91.270 χ^2/NDF:30.3/15

+ sign -47.907+/-78.161 χ^2/NDF: 30.9/33

All: 2.230+/-56.062 χ^2/NDF: 78.8/68

- sign 55.353+/-80.455 χ^2/NDF: 47.1/34

asym_sam1_reg_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.075+/-0.063 χ^2/NDF:576786.7/17

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

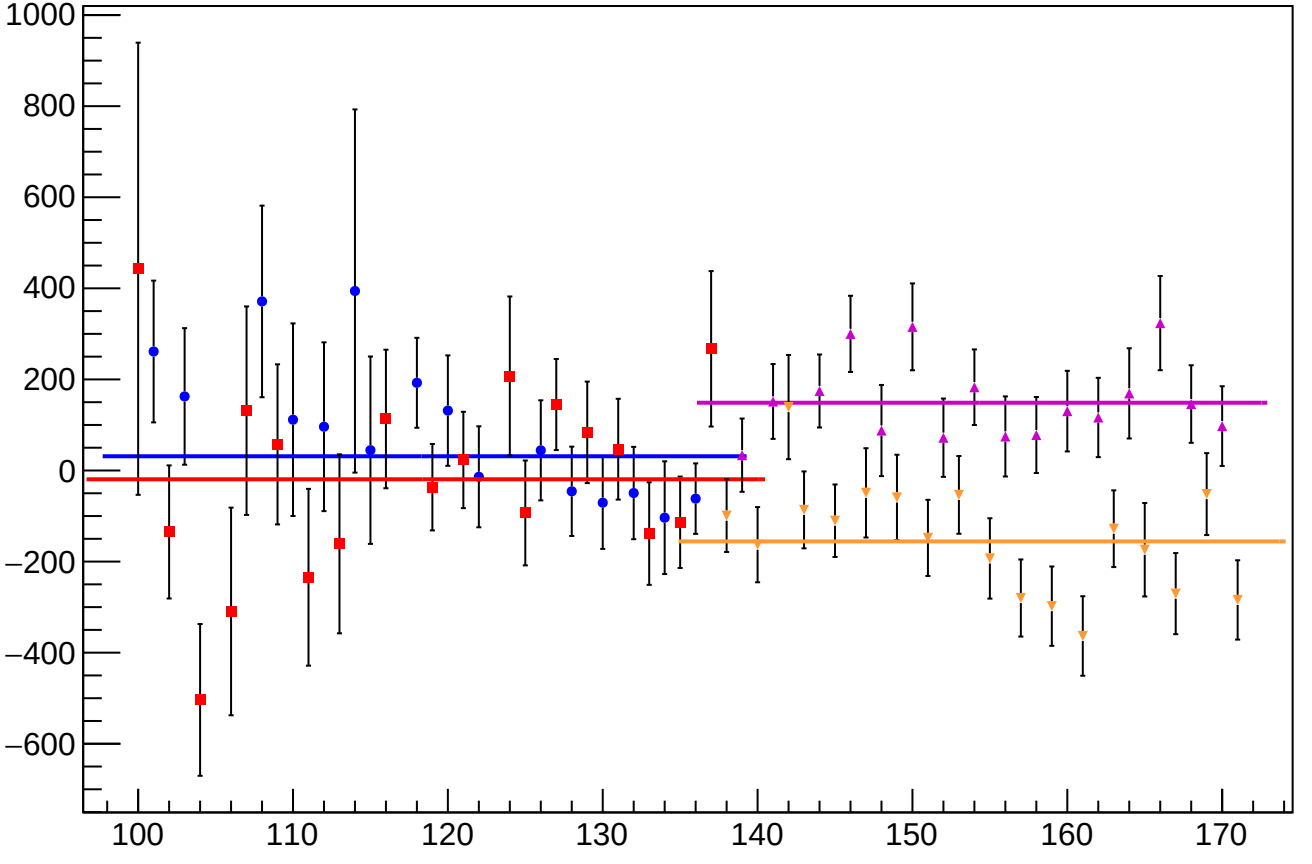
Left In: 325.681+/-0.065 χ^2/NDF:776333.6/15

+ sign 347.381+/-0.055 χ^2/NDF: 3231957.4/33

All: 347.702+/-0.040 χ^2/NDF: 6915621.2/68

- sign 348.042+/-0.057 χ^2/NDF: 3683594.2/34

cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.714+/-20.742 χ^2/NDF:27.8/17

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

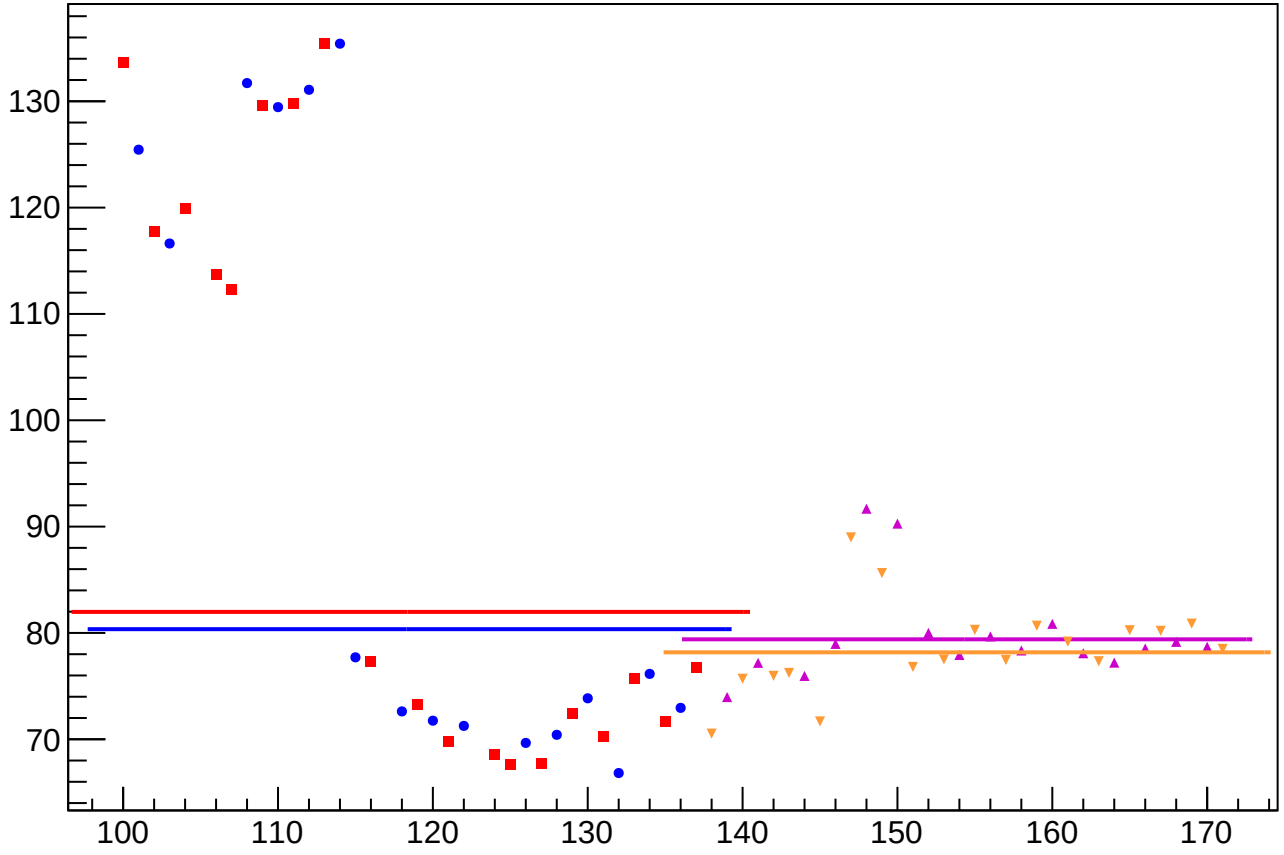
Left In: 148.791+/-21.885 χ^2/NDF:14.7/15

+ sign -97.340+/-17.202 χ^2/NDF: 68.3/33

All: -5.883+/-12.400 χ^2/NDF: 187.1/68

- sign 93.032+/-17.890 χ^2/NDF: 60.0/34

cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

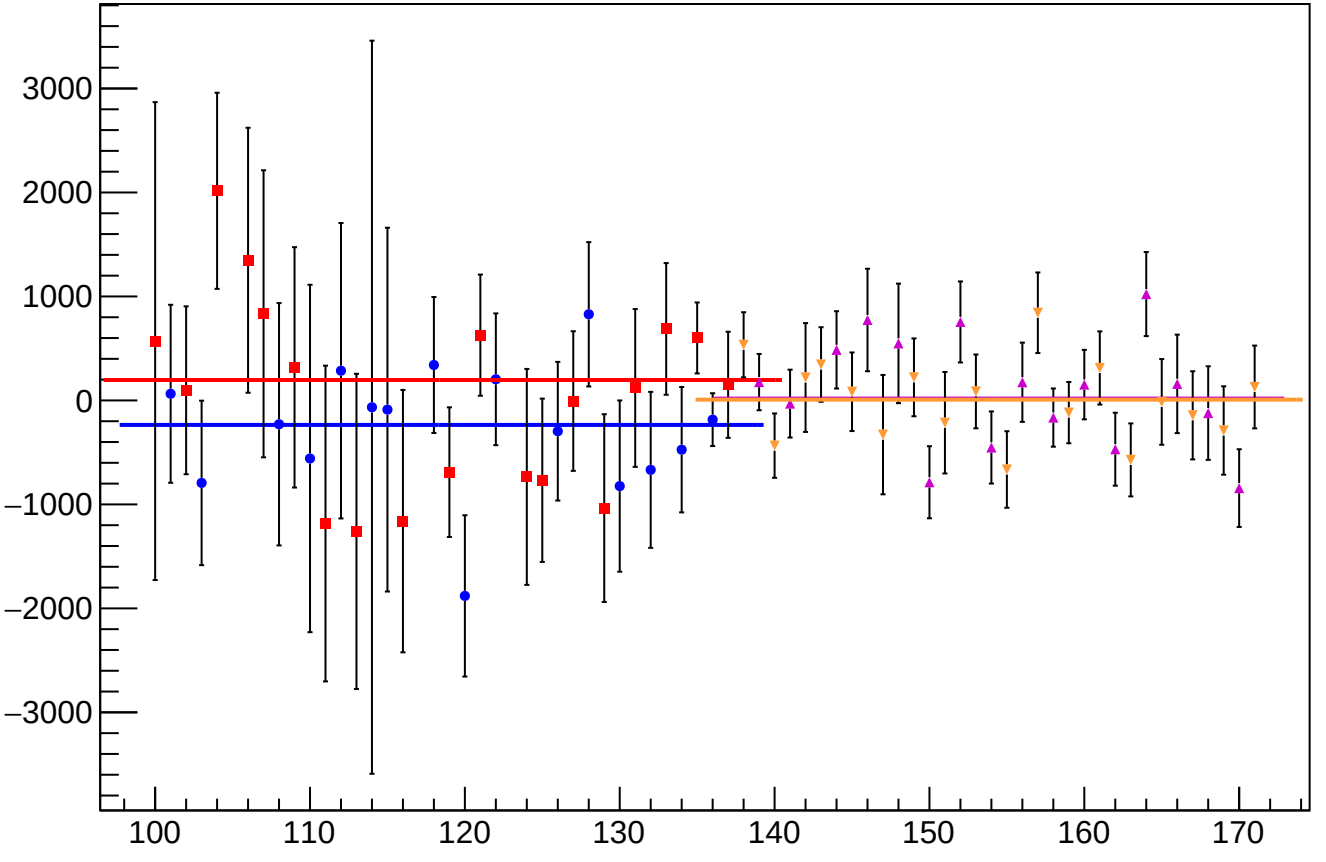
Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

+ sign 78.856+/-0.012 χ^2/NDF: 926918.7/33

All: 79.528+/-0.009 χ^2/NDF: 1946766.4/68

- sign 80.254+/-0.013 χ^2/NDF: 1013498.2/34

asym_sam1_cor_correction_mean vs Slug



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

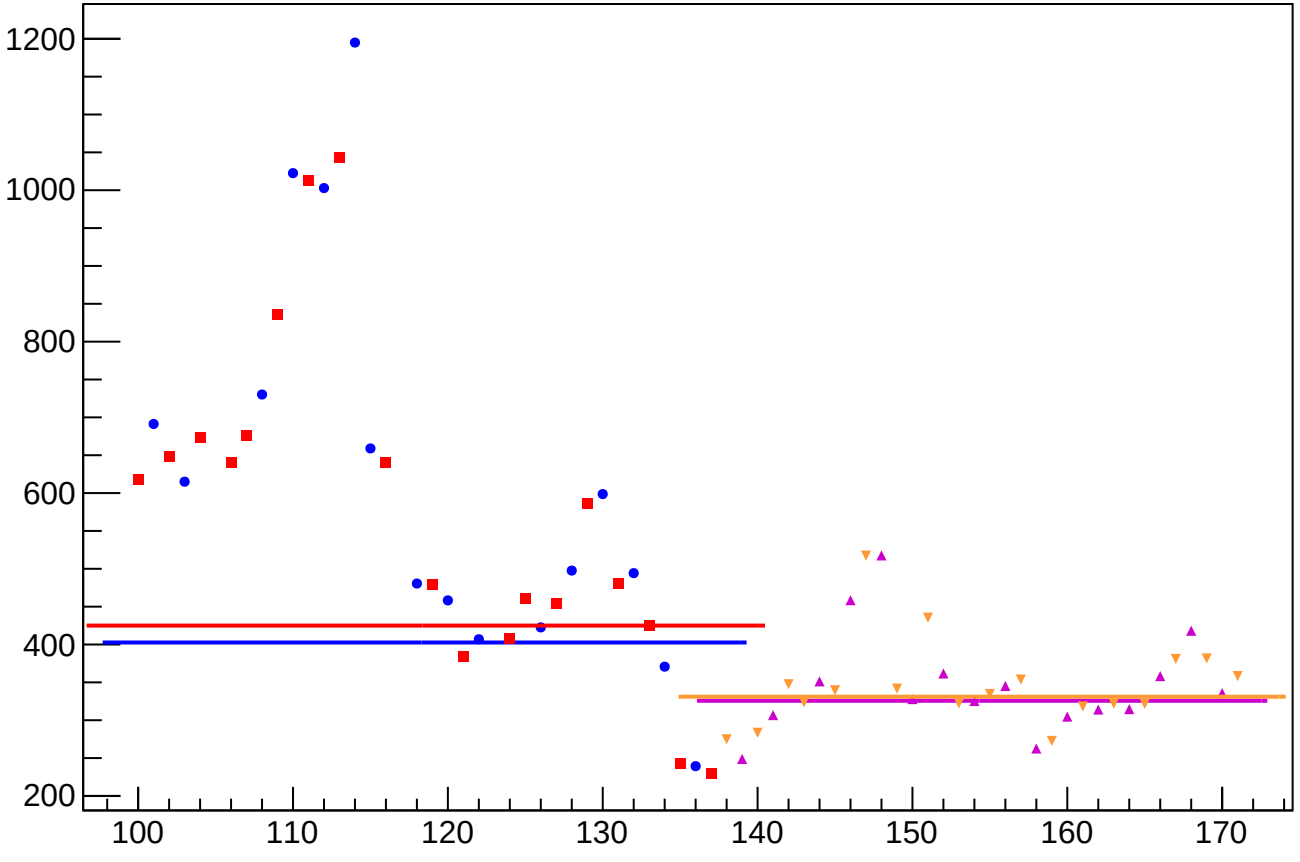
Left In: 17.697+/-91.270 χ^2/NDF:30.3/15

+ sign -47.906+/-78.161 χ^2/NDF: 30.9/33

All: 3.287+/-56.065 χ^2/NDF: 79.5/68

- sign 57.543+/-80.466 χ^2/NDF: 47.8/34

asym_sam1_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.075+/-0.063 χ^2/NDF:576794.7/17

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

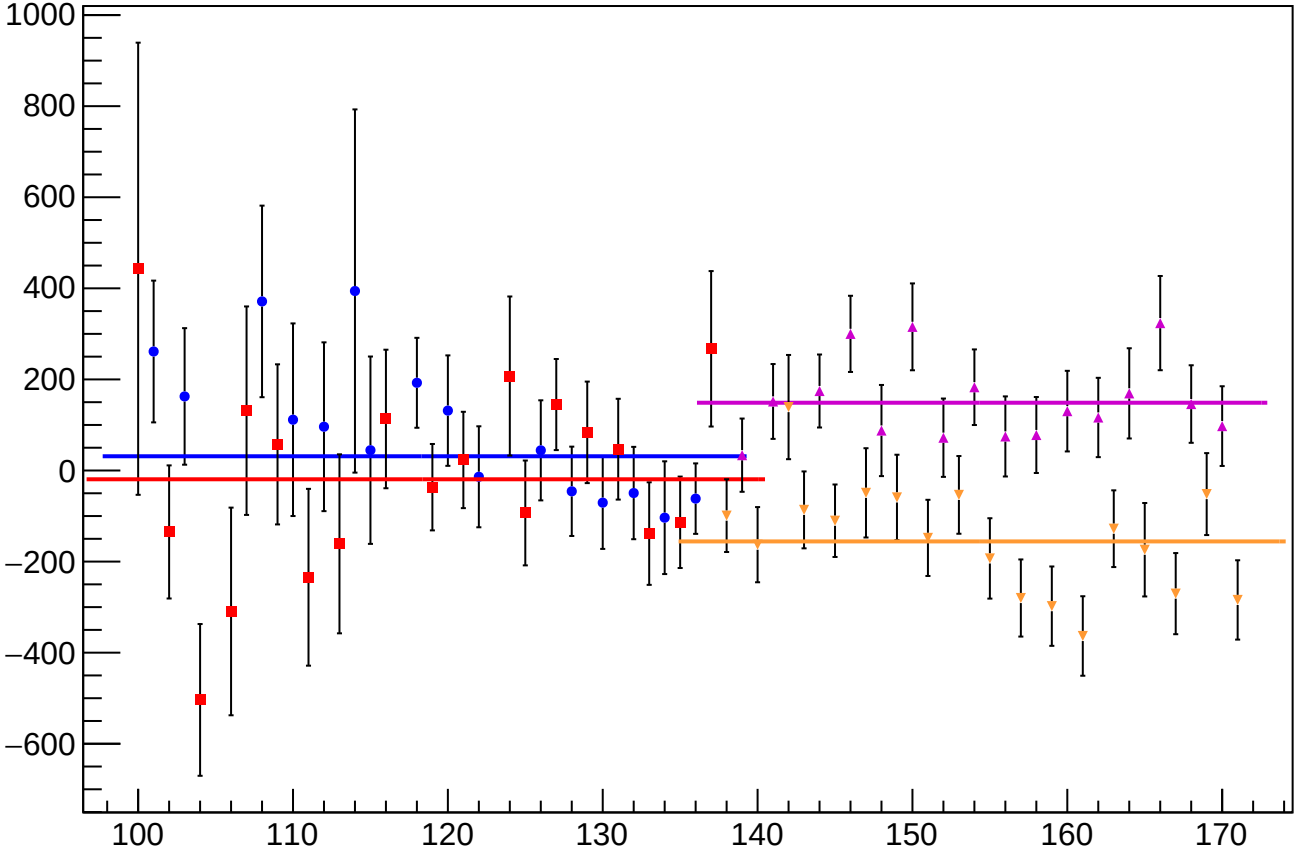
Left In: 325.681+/-0.065 χ^2/NDF:776333.4/15

+ sign 347.381+/-0.055 χ^2/NDF: 3231963.3/33

All: 347.585+/-0.040 χ^2/NDF: 6876749.5/68

- sign 347.802+/-0.057 χ^2/NDF: 3644758.1/34

eigen_cor_asym_sam1_mean vs Slug



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.714+/-20.742 χ^2/NDF:27.8/17

Right Out: -19.282+/-31.060 χ^2/NDF: 25.7/18

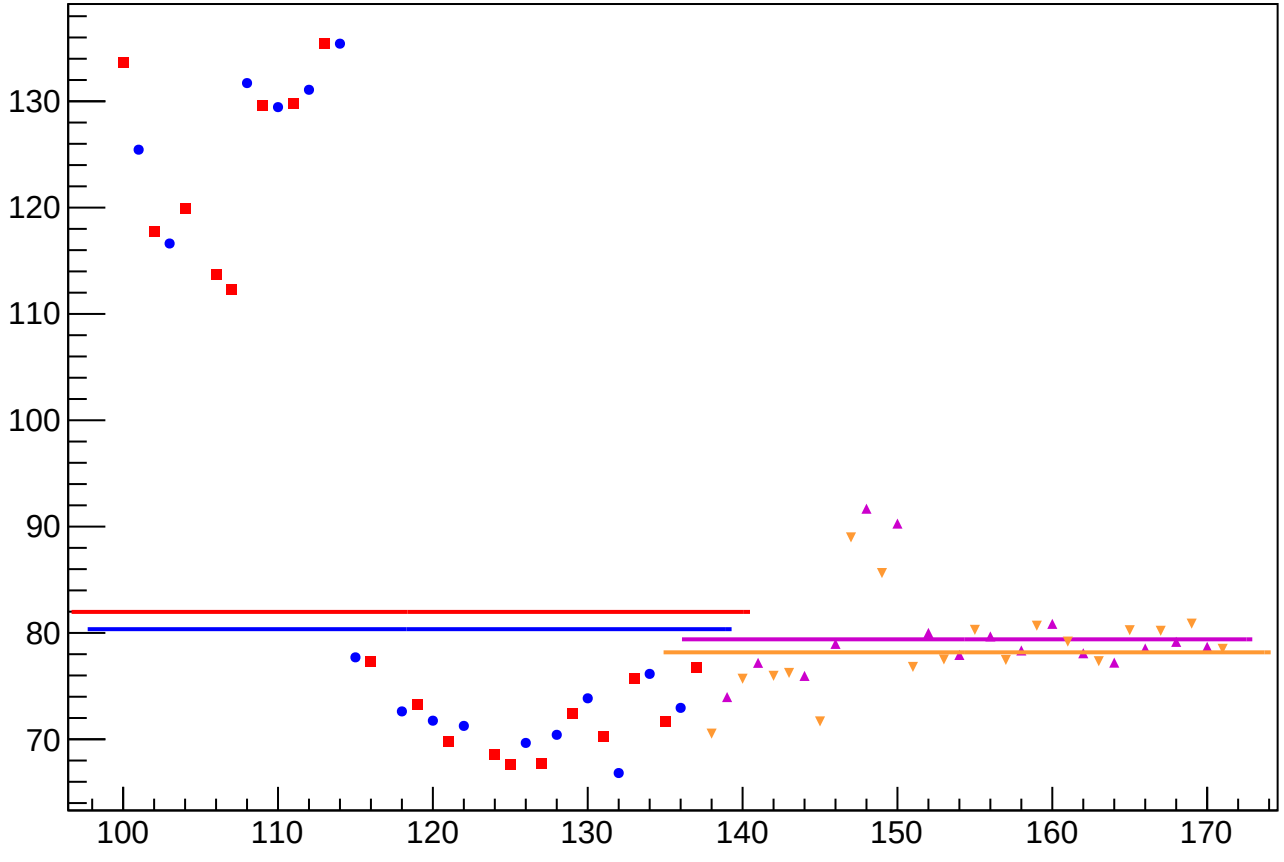
Left In: 148.791+/-21.885 χ^2/NDF:14.7/15

\+ sign -97.340+/-17.202 χ^2/NDF: 68.3/33

All: -5.883+/-12.400 χ^2/NDF: 187.1/68

\- sign 93.032+/-17.890 χ^2/NDF: 60.0/34

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

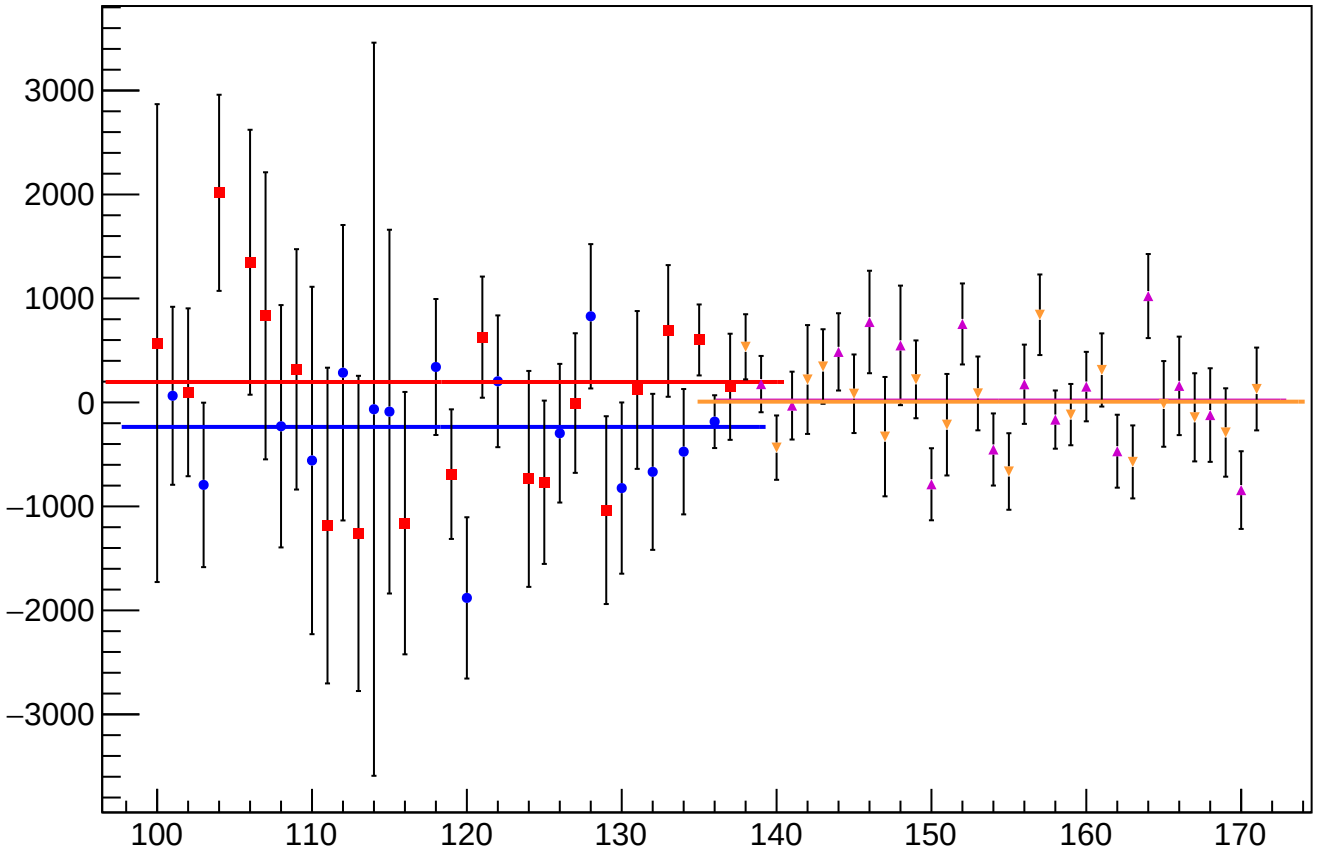
Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.398+/-0.015 χ^2/NDF:73814.0/15

+ sign 78.856+/-0.012 χ^2/NDF: 926918.7/33

All: 79.528+/-0.009 χ^2/NDF: 1946766.4/68

- sign 80.254+/-0.013 χ^2/NDF: 1013498.2/34



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

Right Out: 196.579+/-170.492 χ^2/NDF: 16.6/18

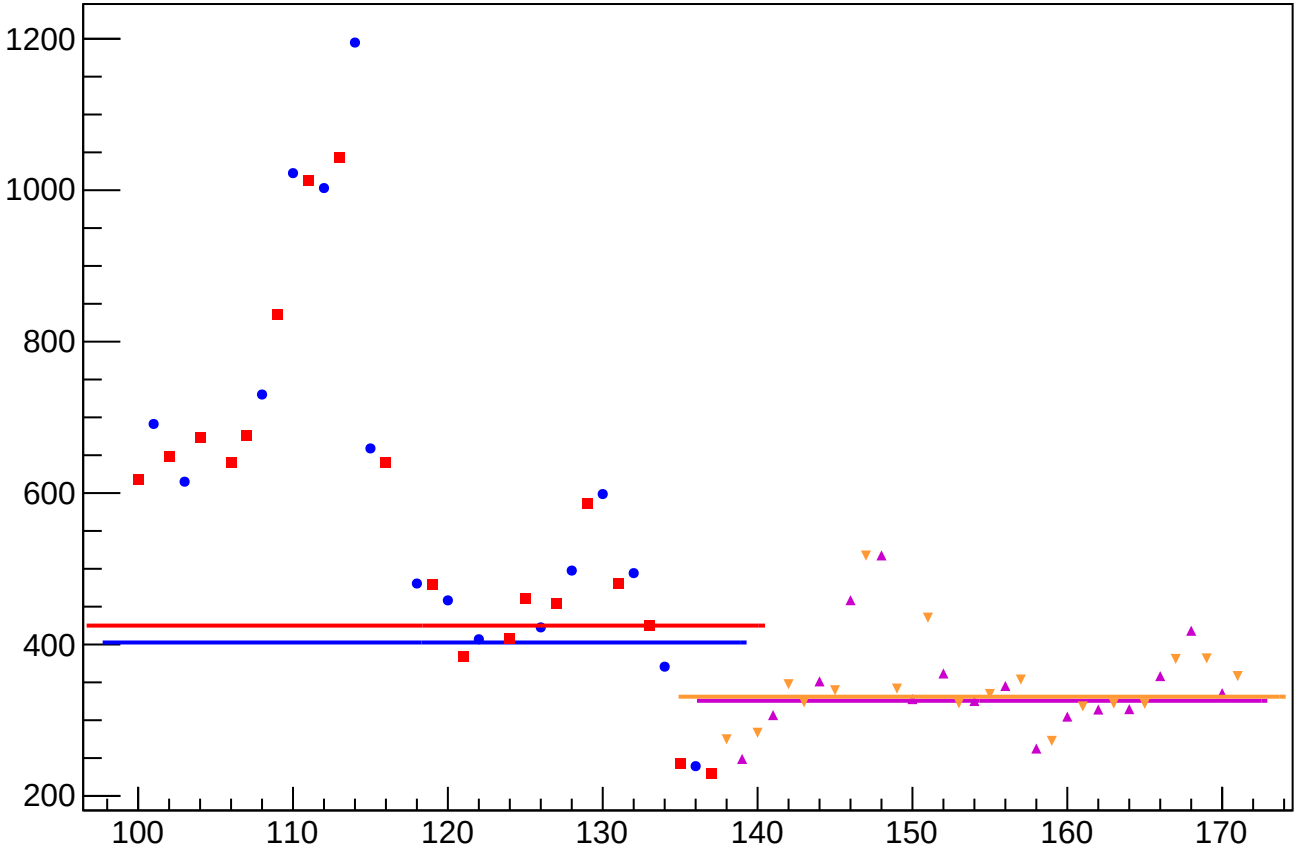
Left In: 17.697+/-91.270 χ^2/NDF:30.3/15

+ sign -47.906+/-78.161 χ^2/NDF: 30.9/33

All: 3.287+/-56.065 χ^2/NDF: 79.5/68

- sign 57.543+/-80.466 χ^2/NDF: 47.8/34

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.075+/-0.063 χ^2/NDF:576794.7/17

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

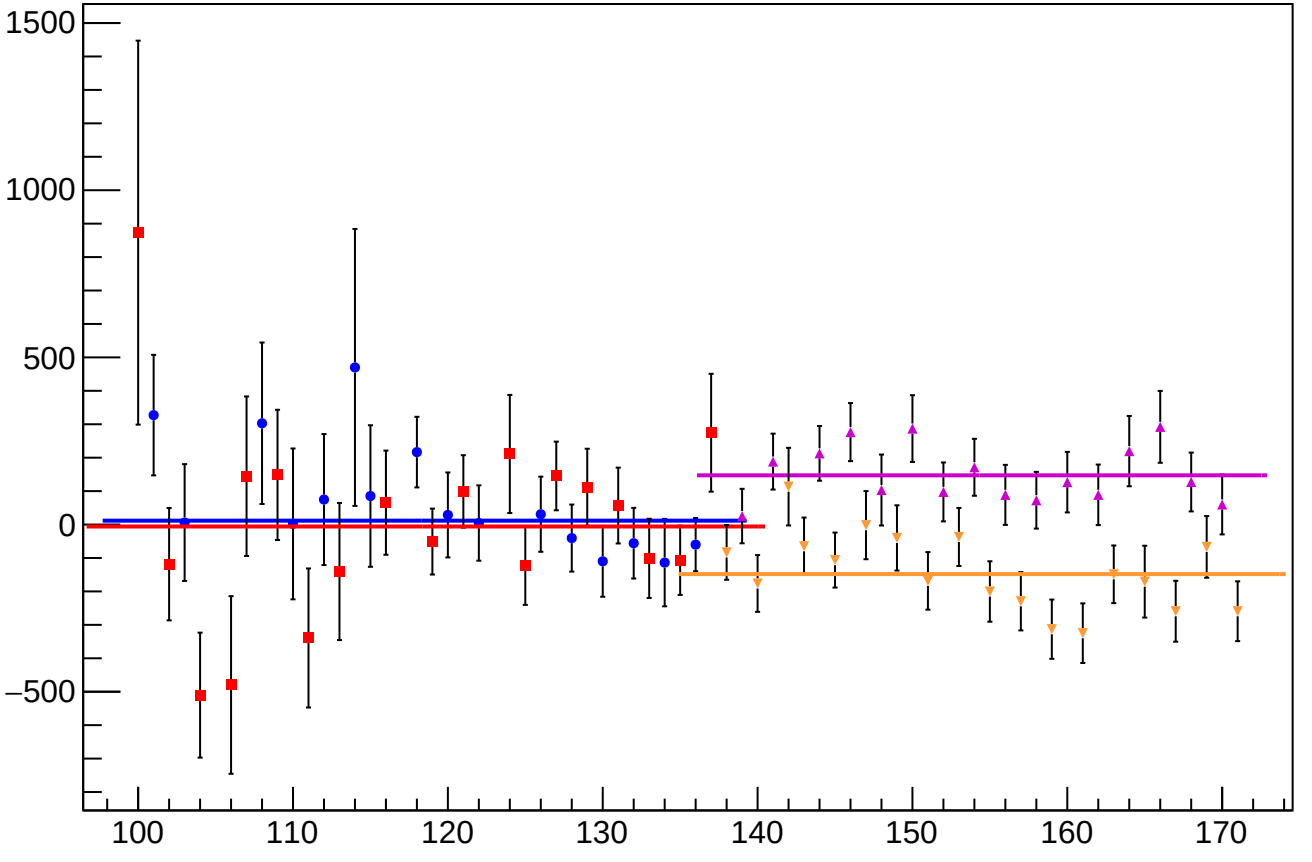
Left In: 325.681+/-0.065 χ^2/NDF:776333.4/15

+ sign 347.381+/-0.055 χ^2/NDF: 3231963.3/33

All: 347.585+/-0.040 χ^2/NDF: 6876749.5/68

- sign 347.802+/-0.057 χ^2/NDF: 3644758.1/34

dit_asym_sam1_mean vs Slug



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -148.145+/-21.293 χ^2/NDF:24.4/17

Right Out: -5.817+/-32.444 χ^2/NDF: 28.8/18

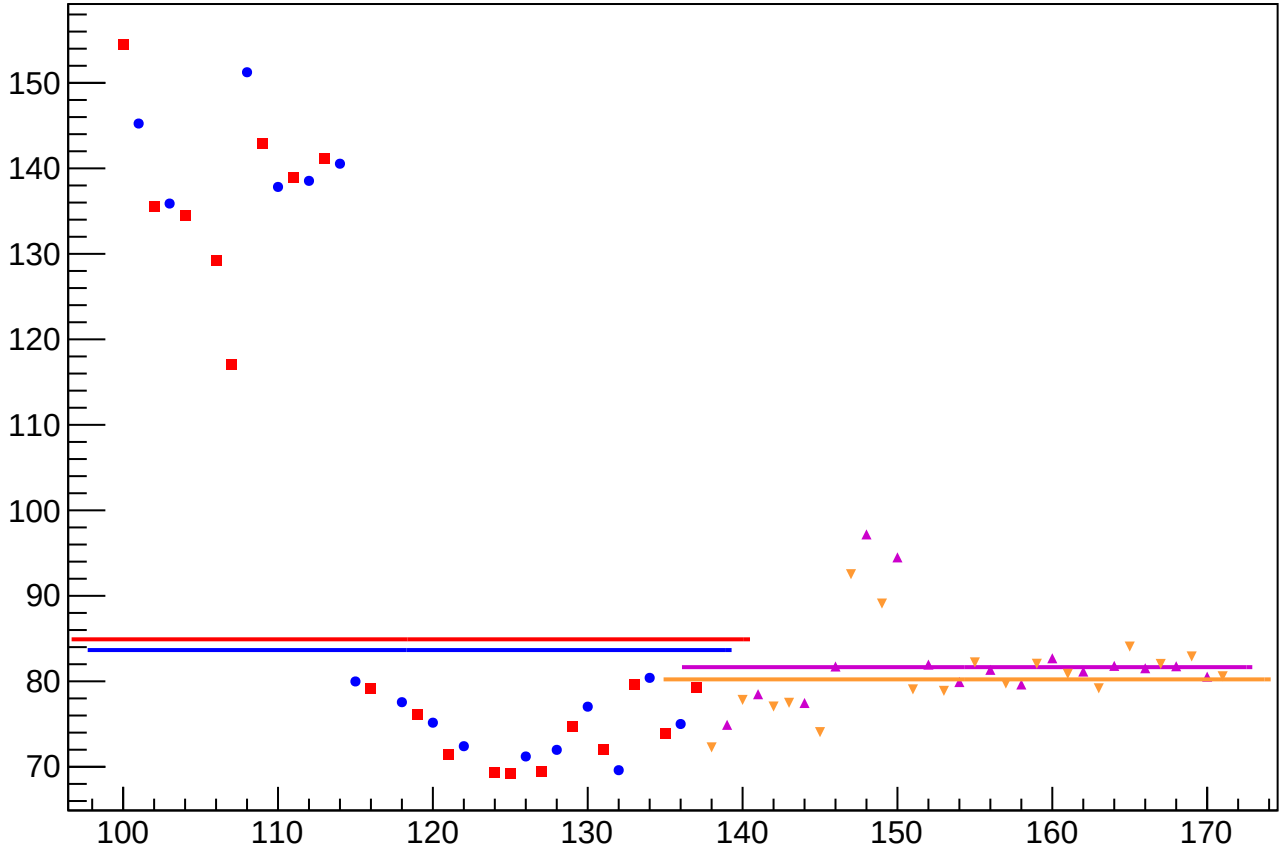
Left In: 147.216+/-22.527 χ^2/NDF:12.8/15

+ sign -99.733+/-17.777 χ^2/NDF: 55.0/33

All: -5.095+/-12.819 χ^2/NDF: 170.7/68

- sign 97.438+/-18.504 χ^2/NDF: 56.6/34

dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.228+/-0.015 χ^2/NDF:89113.1/17

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

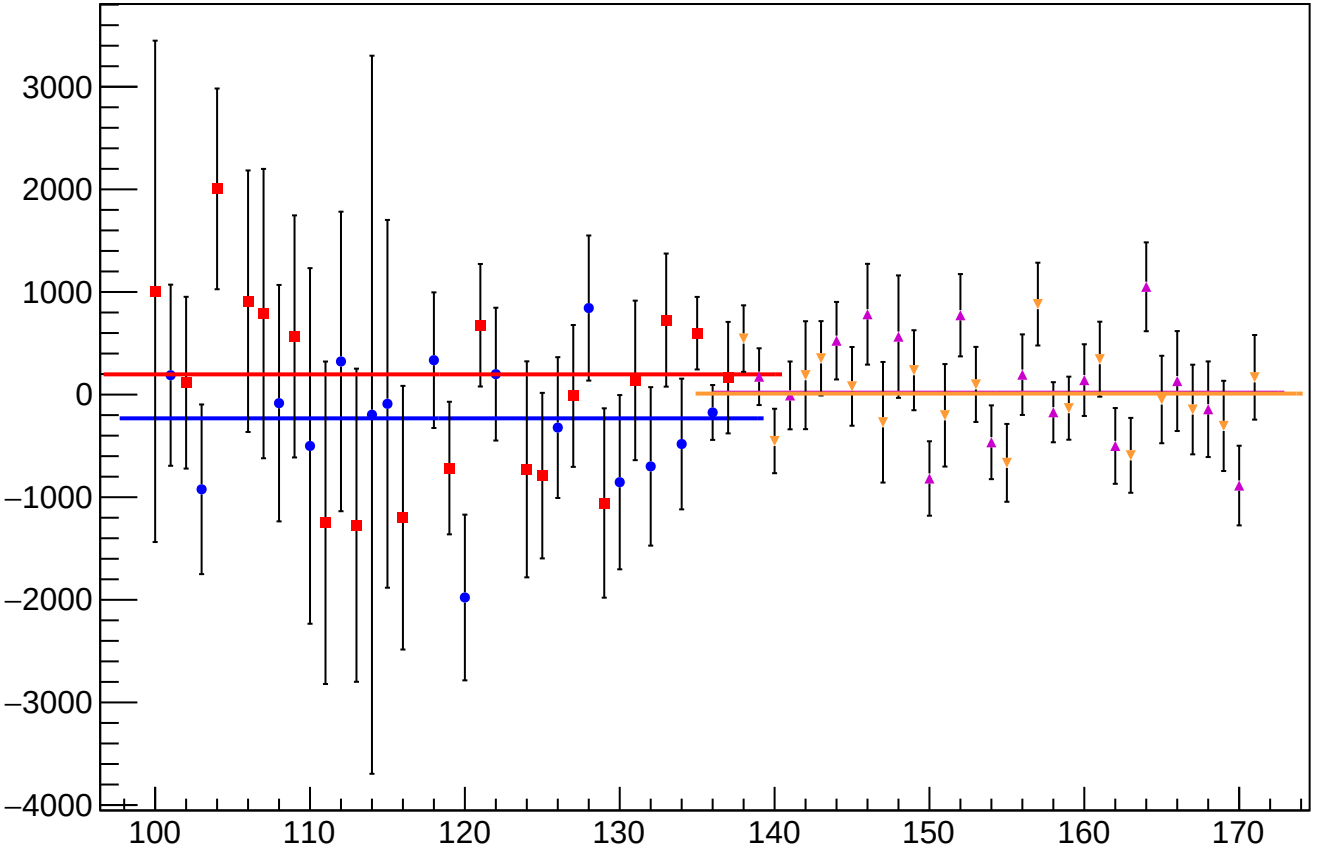
Left In: 81.659+/-0.016 χ^2/NDF:100464.6/15

+ sign 81.267+/-0.013 χ^2/NDF: 1139625.5/33

All: 81.963+/-0.009 χ^2/NDF: 2381728.6/68

- sign 82.717+/-0.013 χ^2/NDF: 1235711.0/34

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 9.814+/-91.612 χ^2/NDF:19.2/17

Right Out: 197.206+/-176.091 χ^2/NDF: 15.9/18

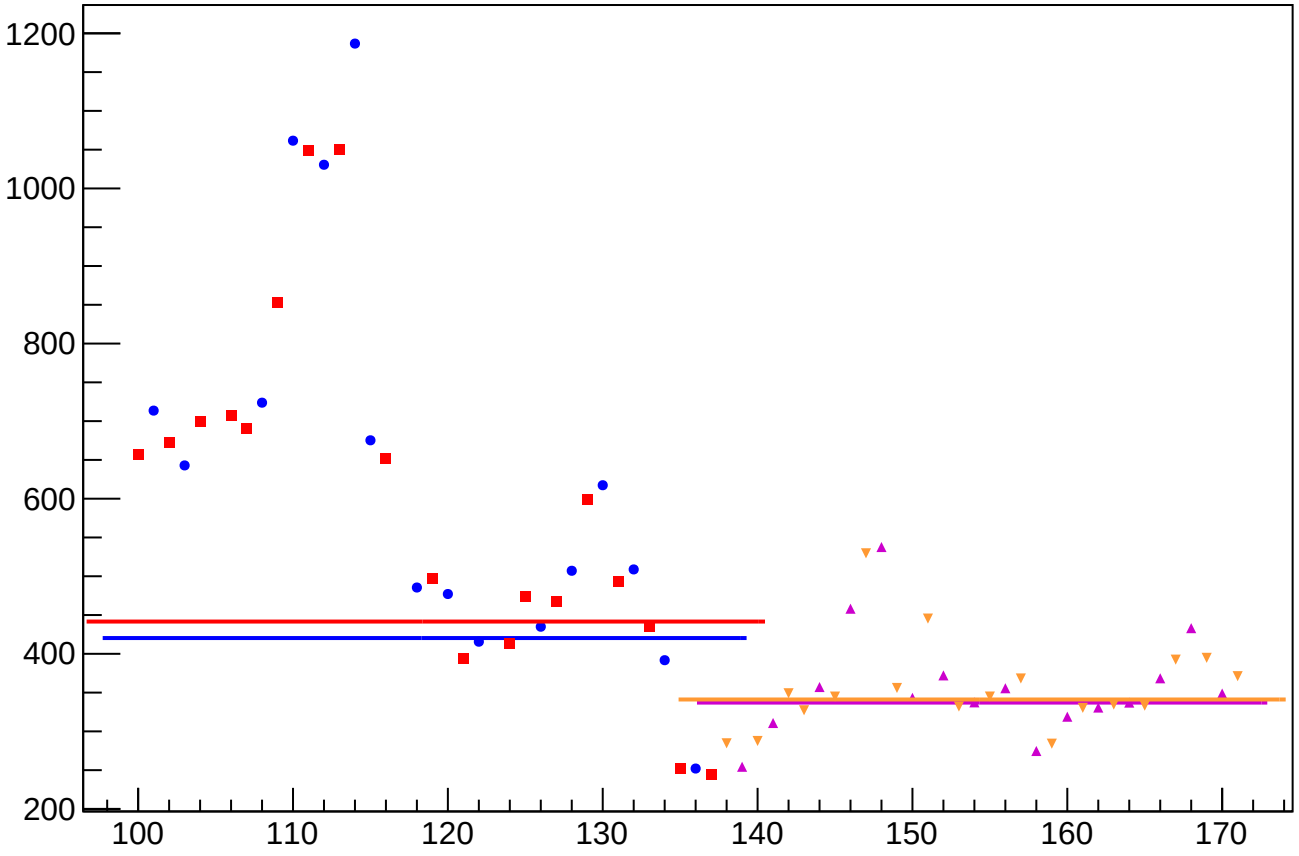
Left In: 18.607+/-94.411 χ^2/NDF:30.1/15

+ sign -44.408+/-80.661 χ^2/NDF: 31.1/33

All: 5.441+/-57.915 χ^2/NDF: 78.7/68

- sign 58.484+/-83.207 χ^2/NDF: 46.8/34

asym_sam1_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.115+/-0.065 χ^2/NDF:568643.5/17

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

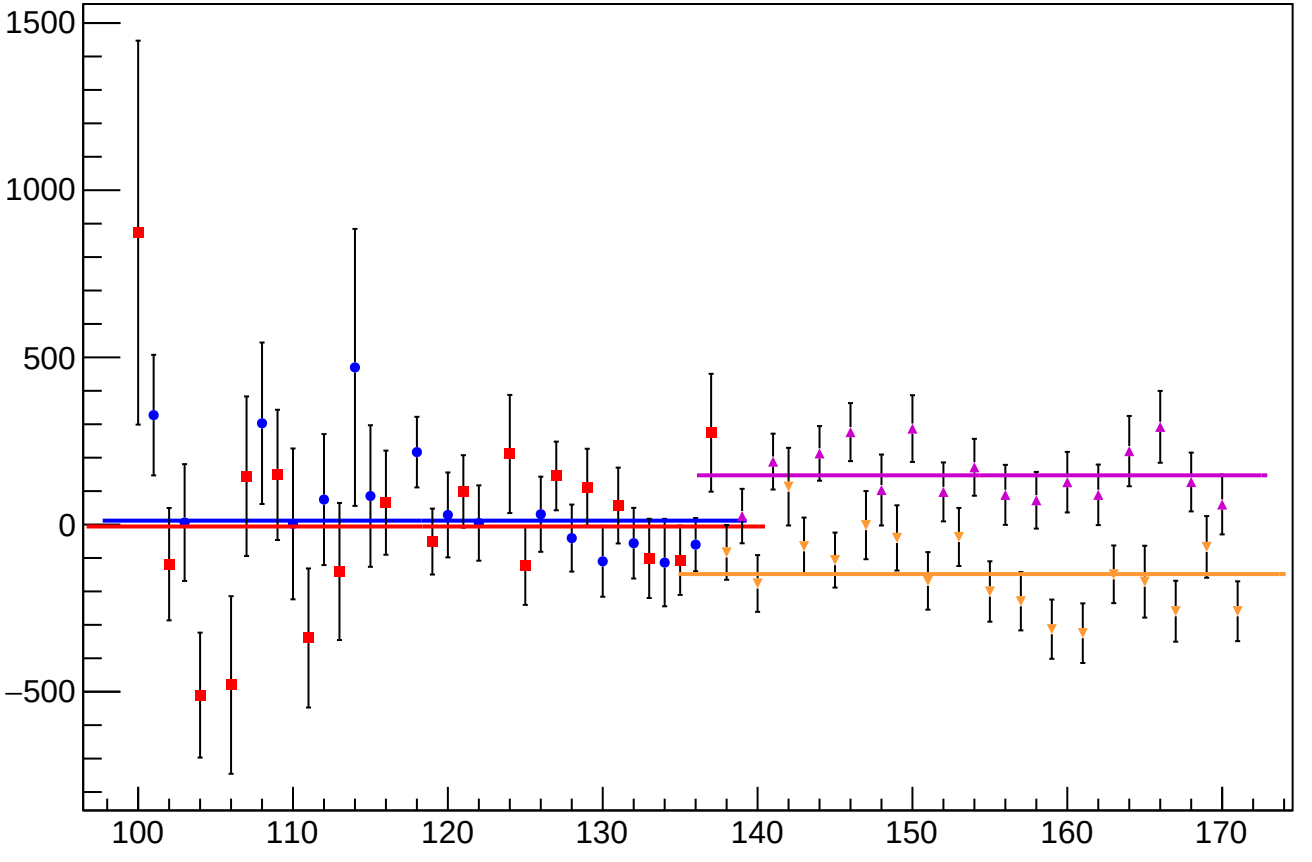
Left In: 337.121+/-0.067 χ^2/NDF:756571.6/15

+ sign 358.921+/-0.057 χ^2/NDF: 3159367.5/33

All: 359.661+/-0.041 χ^2/NDF: 6770719.4/68

- sign 360.448+/-0.059 χ^2/NDF: 3611004.6/34

eigen_dit_asym_sam1_mean vs Slug



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -148.145+/-21.293 χ^2/NDF:24.4/17

Right Out: -5.816+/-32.444 χ^2/NDF: 28.8/18

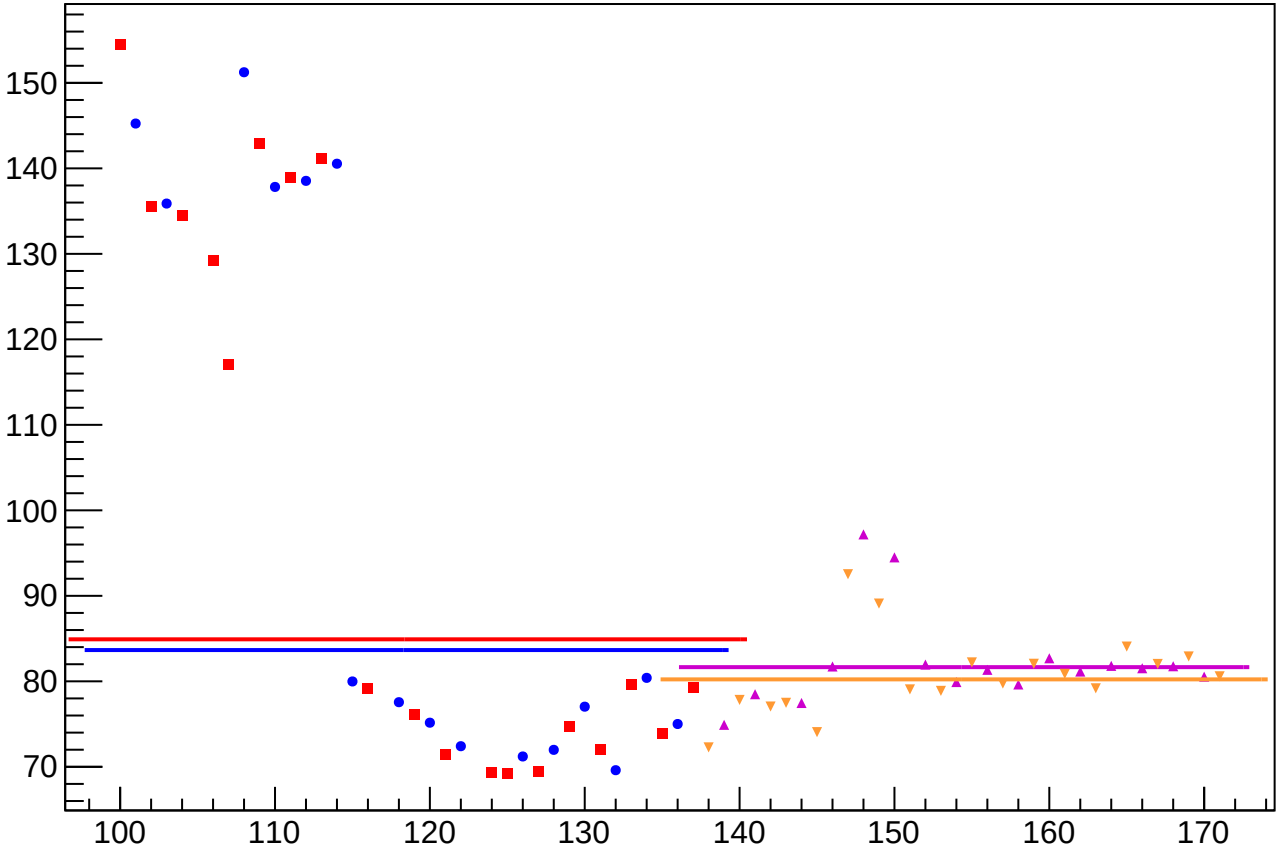
Left In: 147.216+/-22.527 χ^2/NDF:12.8/15

+ sign -99.732+/-17.777 χ^2/NDF: 55.0/33

All: -5.095+/-12.819 χ^2/NDF: 170.7/68

- sign 97.438+/-18.504 χ^2/NDF: 56.6/34

eigen_dit_asym_sam1_rms vs Slug



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.228+/-0.015 χ^2/NDF:89112.5/17

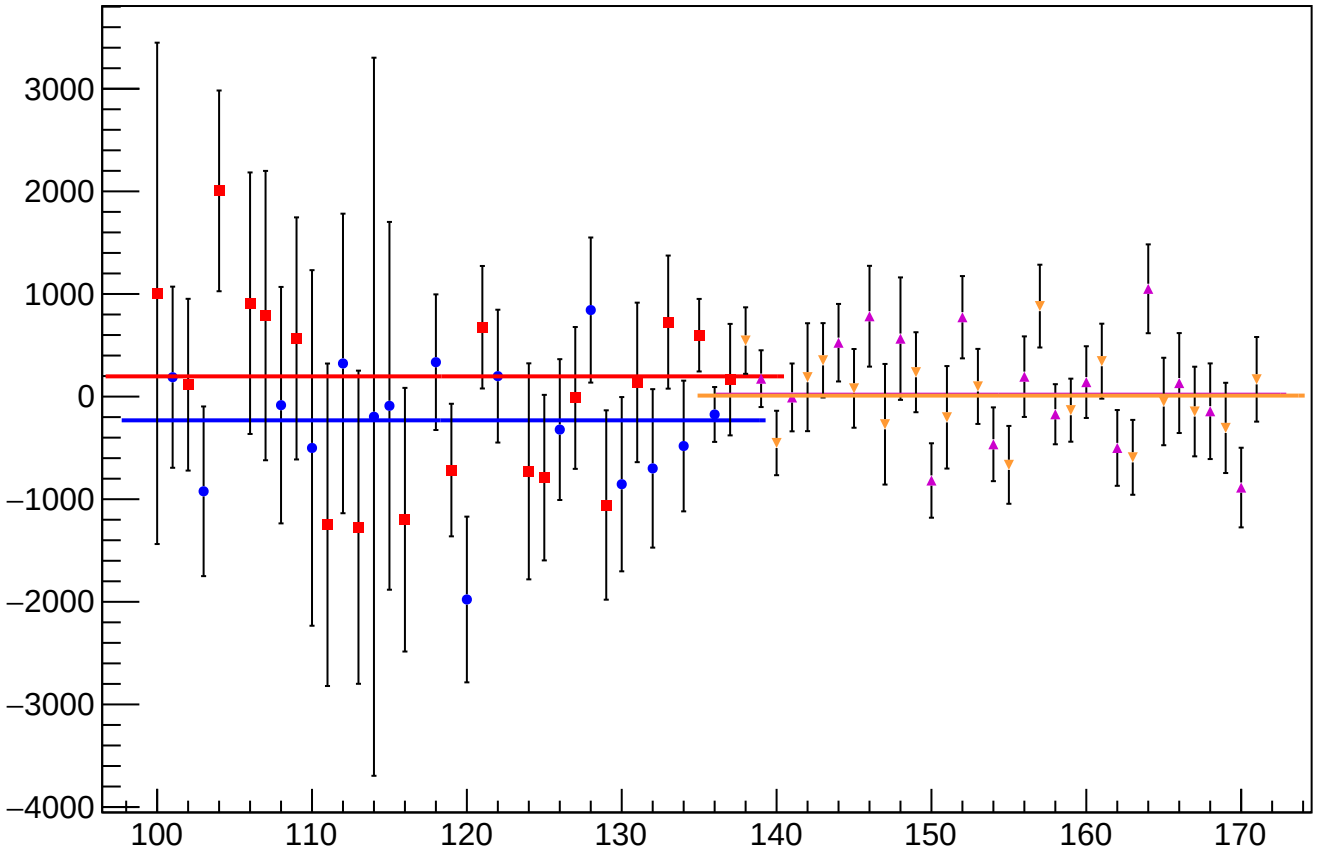
Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.659+/-0.016 χ^2/NDF:100463.8/15

+ sign 81.267+/-0.013 χ^2/NDF: 1139623.9/33

All: 81.963+/-0.009 χ^2/NDF: 2381724.6/68

- sign 82.717+/-0.013 χ^2/NDF: 1235708.8/34



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 9.814+/-91.612 χ^2/NDF:19.2/17

Right Out: 197.207+/-176.091 χ^2/NDF: 15.9/18

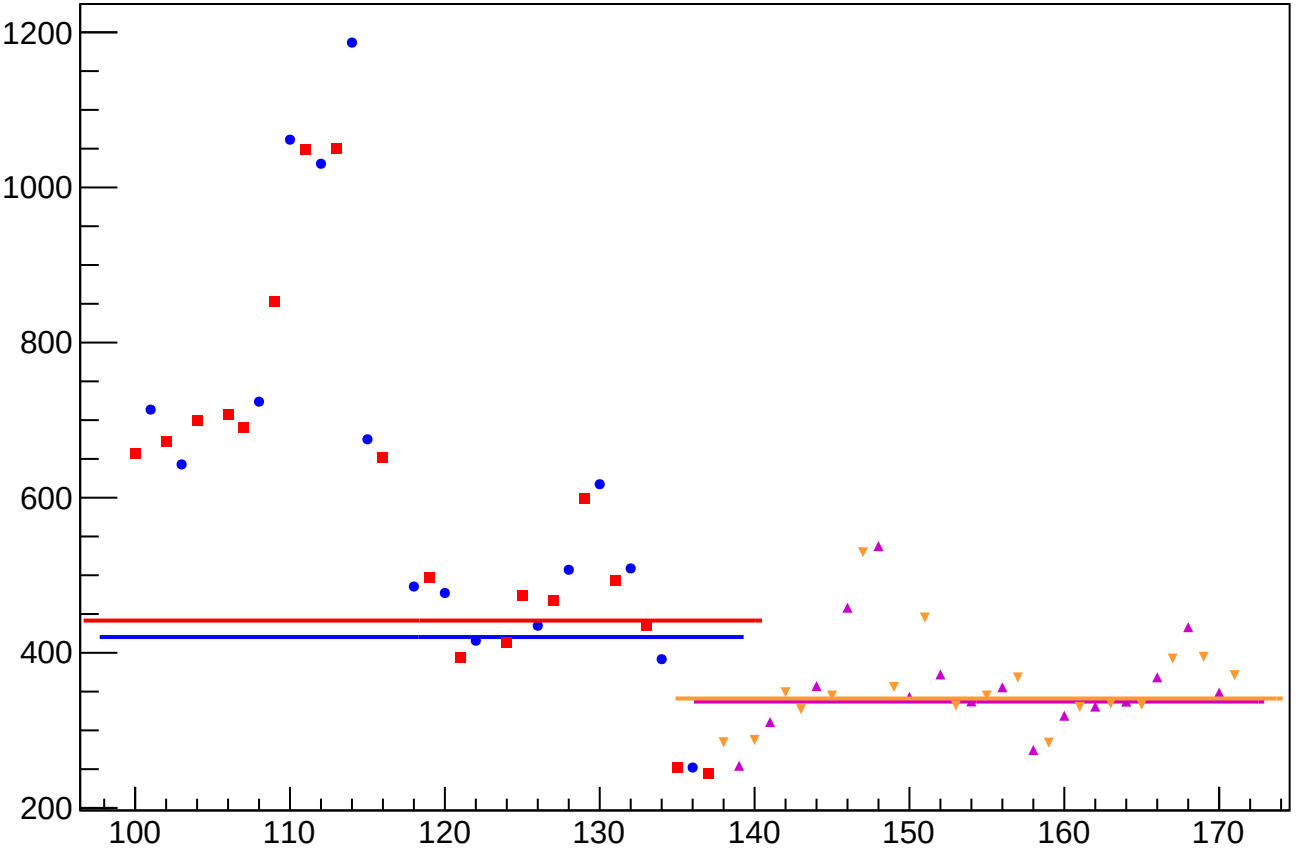
Left In: 18.608+/-94.411 χ^2/NDF:30.1/15

+ sign -44.407+/-80.661 χ^2/NDF: 31.1/33

All: 5.441+/-57.915 χ^2/NDF: 78.7/68

- sign 58.485+/-83.207 χ^2/NDF: 46.8/34

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.115+/-0.065 χ^2/NDF:568643.9/17

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

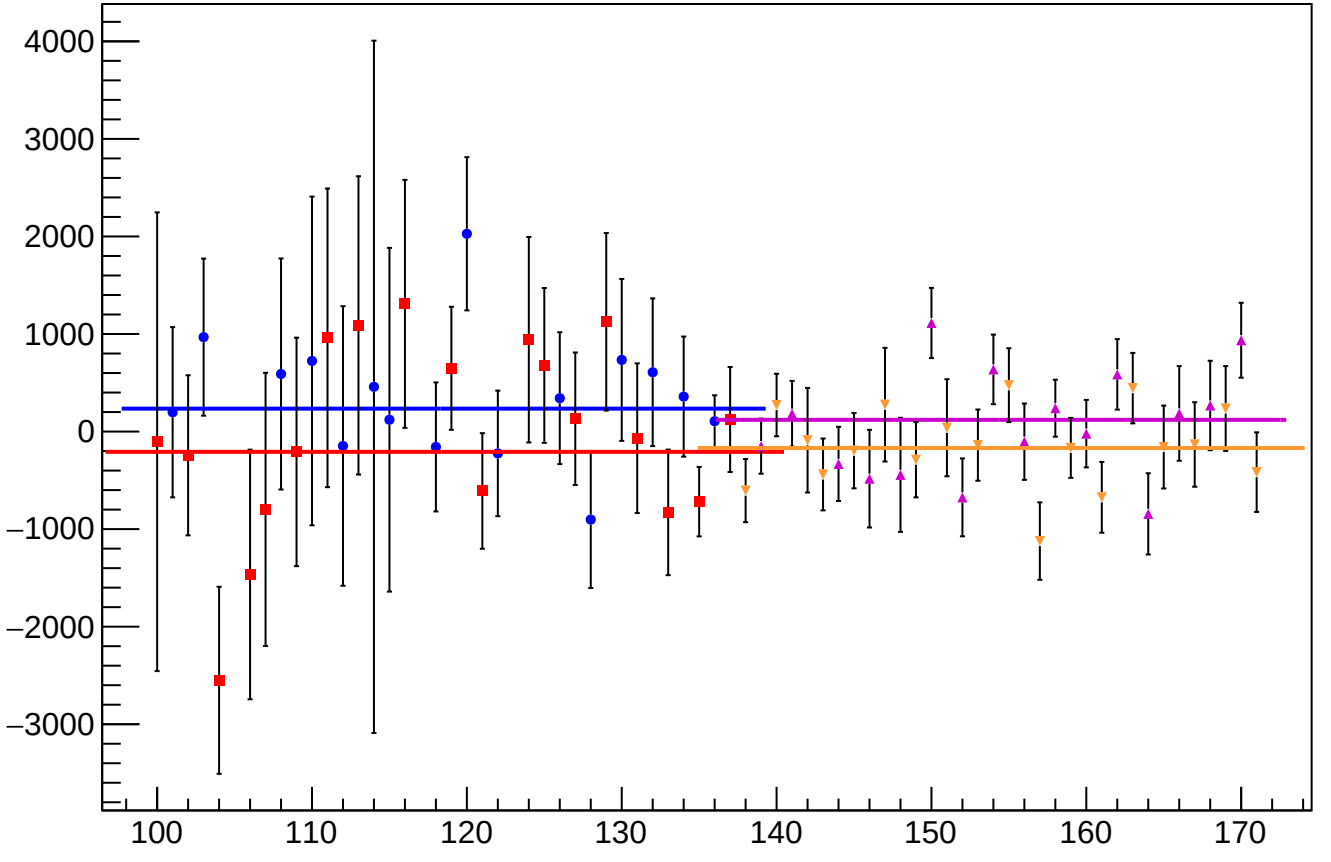
Left In: 337.120+/-0.067 χ^2/NDF:756573.8/15

+ sign 358.920+/-0.057 χ^2/NDF: 3159368.9/33

All: 359.660+/-0.041 χ^2/NDF: 6770723.9/68

- sign 360.447+/-0.059 χ^2/NDF: 3611007.8/34

asym_sam1_mean vs Slug



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -168.387+/-91.540 χ^2/NDF:19.9/17

Right Out: -207.936+/-174.716 χ^2/NDF: 20.4/18

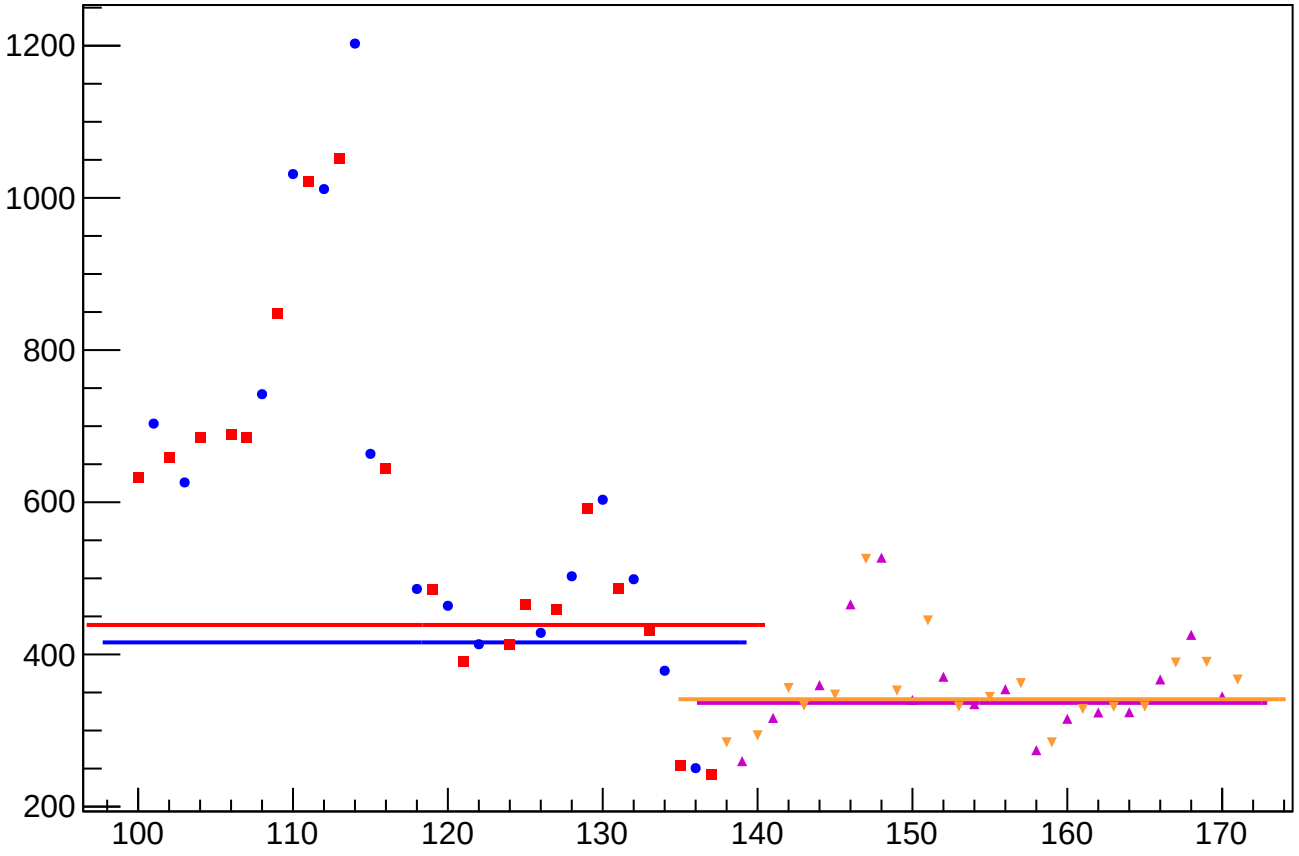
Left In: 120.377+/-94.126 χ^2/NDF:30.8/15

+ sign -76.197+/-80.403 χ^2/NDF: 35.0/33

All: -16.687+/-57.705 χ^2/NDF: 90.0/68

- sign 46.523+/-82.866 χ^2/NDF: 53.9/34

asym_sam1_rms vs Slug



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.102+/-0.065 χ^2/NDF:535257.3/17

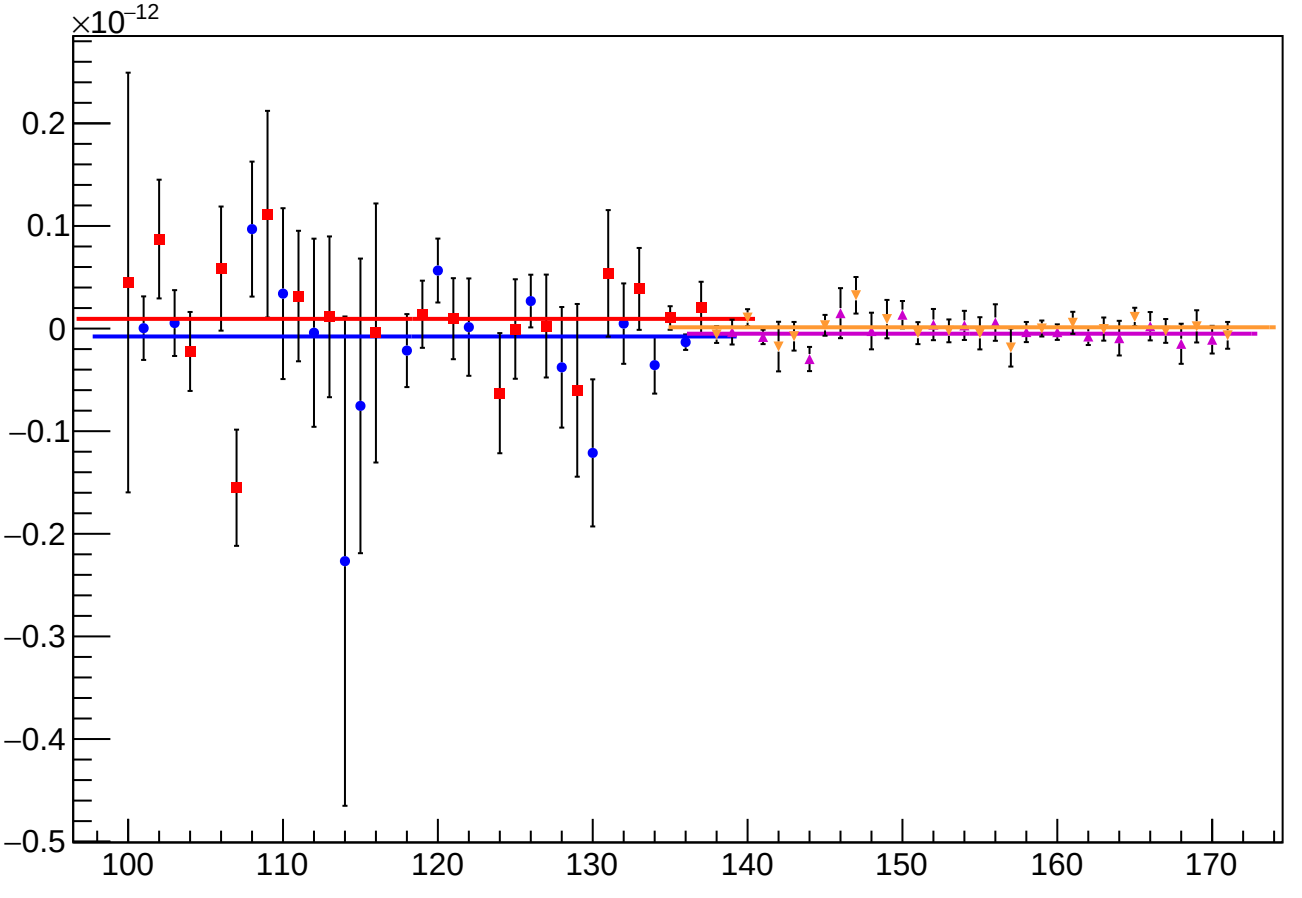
Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 336.360+/-0.067 χ^2/NDF:714374.0/15

+ sign 358.181+/-0.057 χ^2/NDF: 3063846.6/33

All: 358.771+/-0.041 χ^2/NDF: 6545829.8/68

- sign 359.397+/-0.059 χ^2/NDF: 3481761.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/17

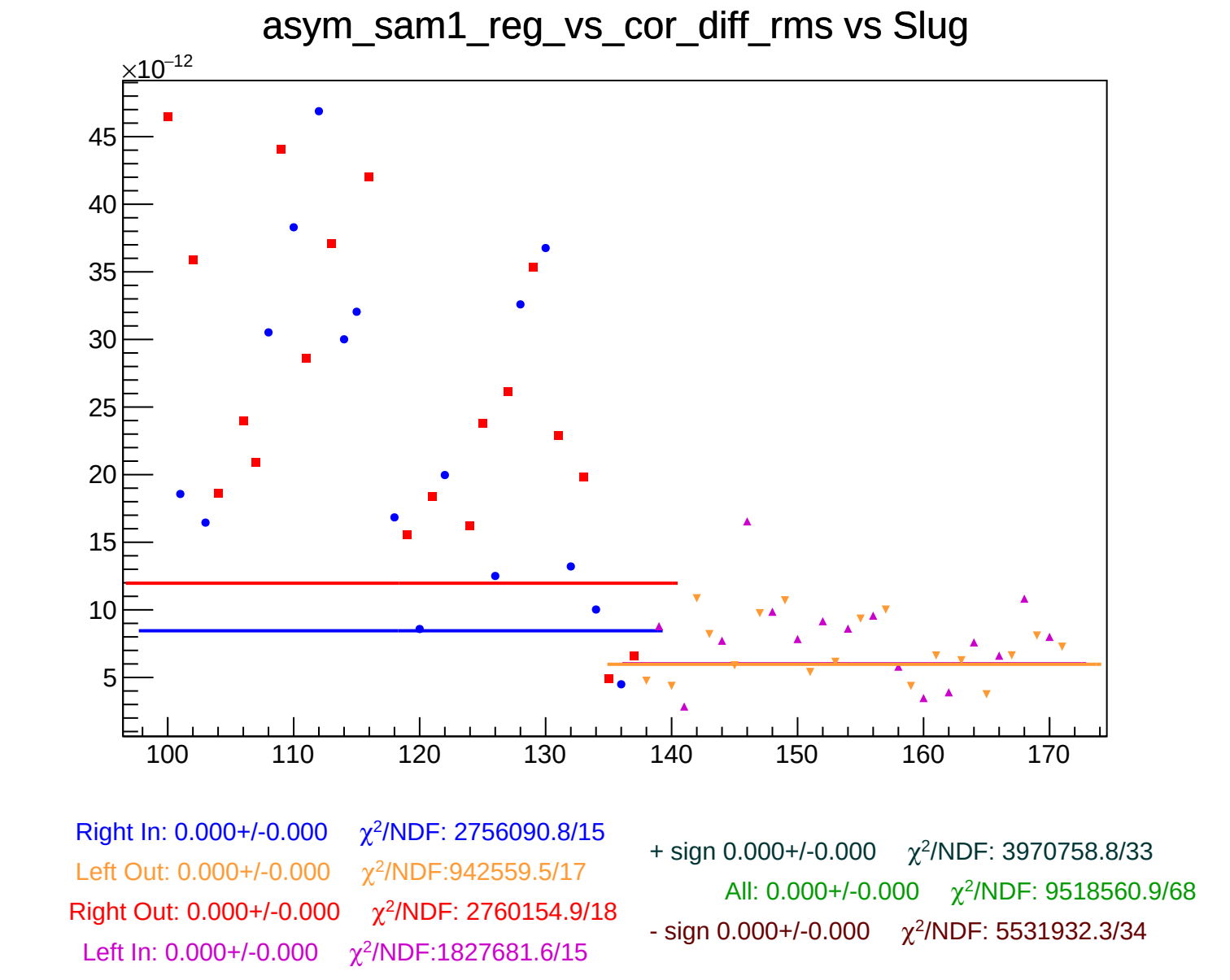
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/15

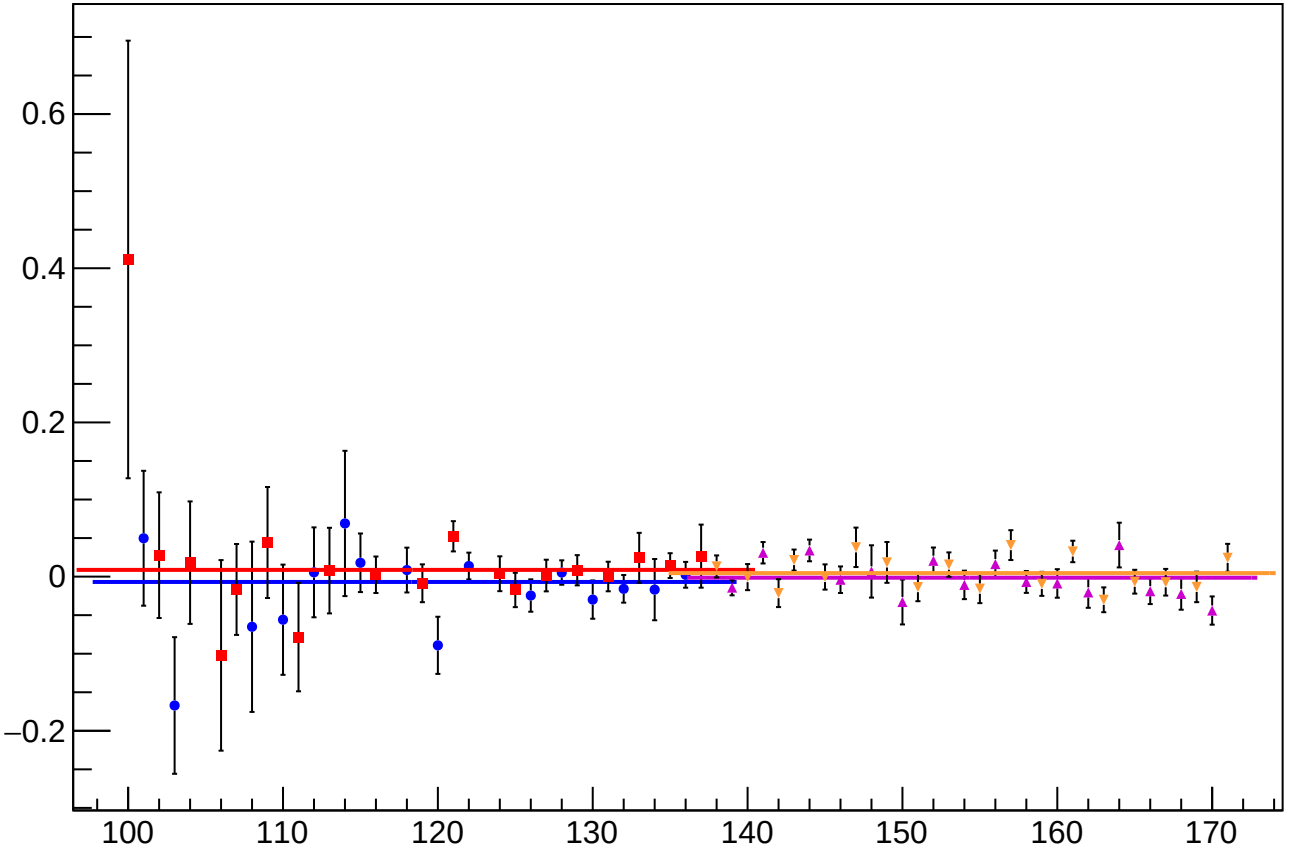
+ sign -0.000+/-0.000 χ^2/NDF: 26.4/33

All: -0.000+/-0.000 χ^2/NDF: 55.5/68

- sign -0.000+/-0.000 χ^2/NDF: 28.3/34


asym_sam1_reg_vs_cor_diff_rms vs Slug
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:942559.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1827681.6/15
+ sign 0.000+/-0.000 χ²/NDF: 3970758.8/33
All: 0.000+/-0.000 χ²/NDF: 9518560.9/68
- sign 0.000+/-0.000 χ²/NDF: 5531932.3/34

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

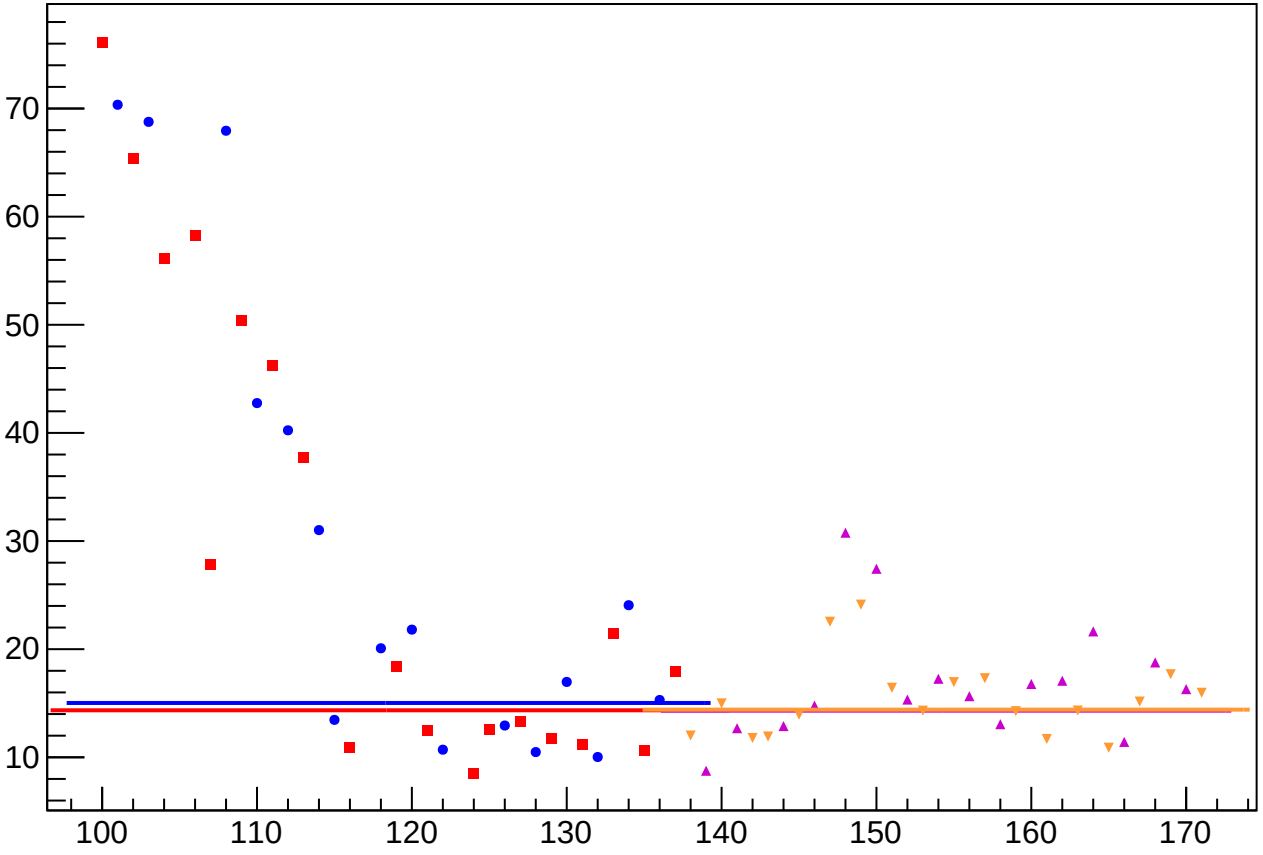
Left In: -0.001+/-0.004 χ^2/NDF:28.5/15

+ sign 0.002+/-0.003 χ^2/NDF: 41.9/33

All: 0.002+/-0.002 χ^2/NDF: 84.8/68

- sign 0.002+/-0.004 χ^2/NDF: 42.9/34

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.408+/-0.003 χ^2/NDF:998914.2/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

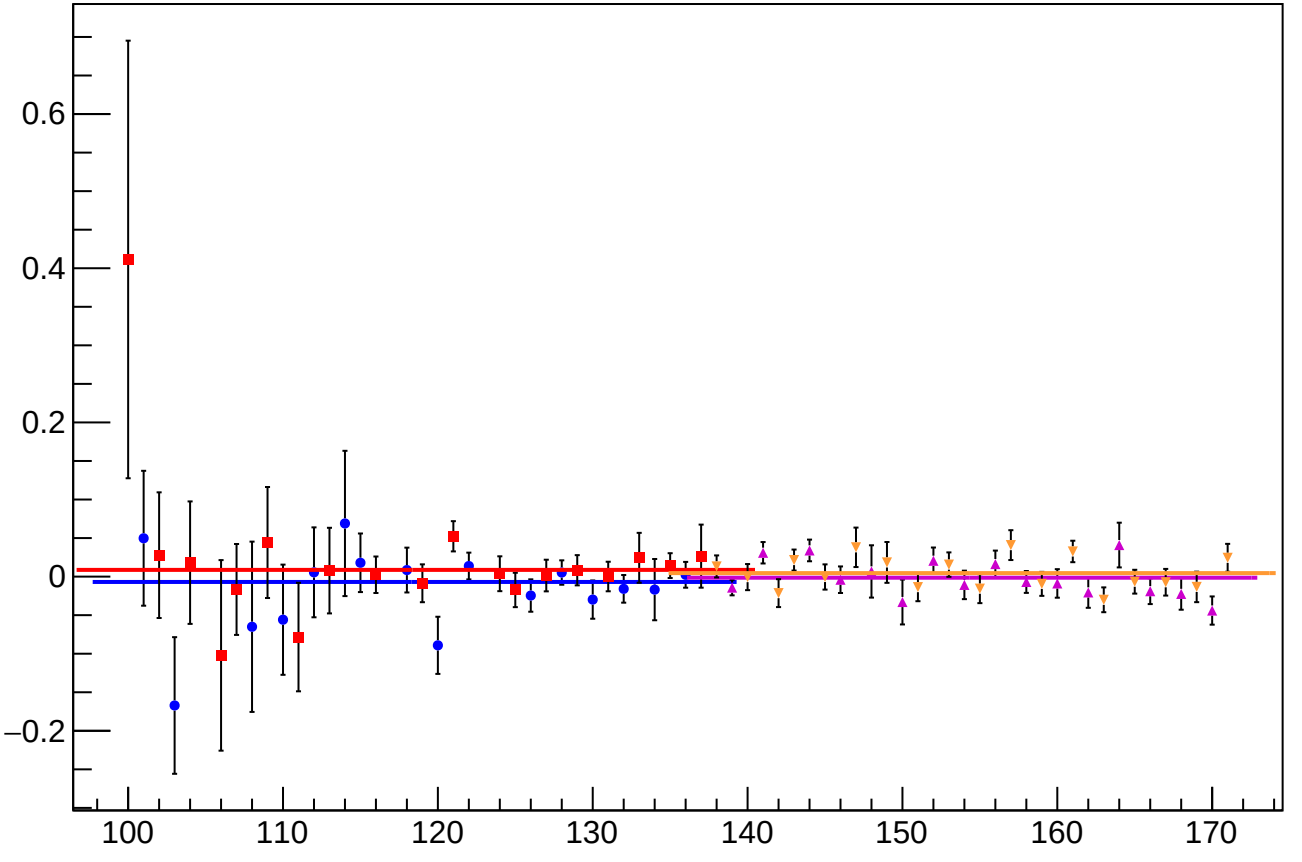
Left In: 14.314+/-0.003 χ^2/NDF:2003151.1/15

+ sign 14.570+/-0.002 χ^2/NDF: 4449596.9/33

All: 14.450+/-0.002 χ^2/NDF: 10086758.0/68

- sign 14.324+/-0.002 χ^2/NDF: 5632206.8/34

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

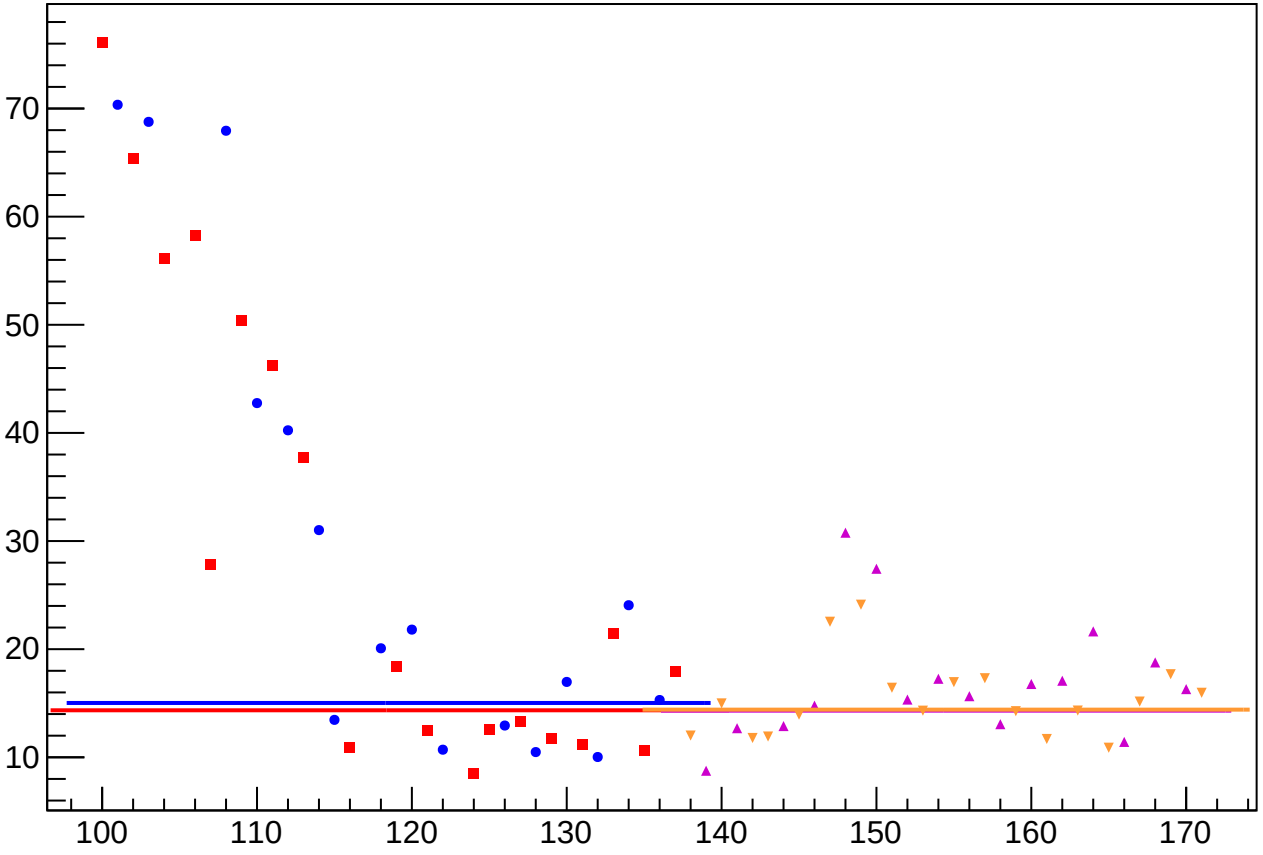
Left In: -0.001+/-0.004 χ^2/NDF:28.5/15

+ sign 0.002+/-0.003 χ^2/NDF: 41.9/33

All: 0.002+/-0.002 χ^2/NDF: 84.8/68

- sign 0.002+/-0.004 χ^2/NDF: 42.9/34

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.408+/-0.003 χ^2/NDF:998914.2/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

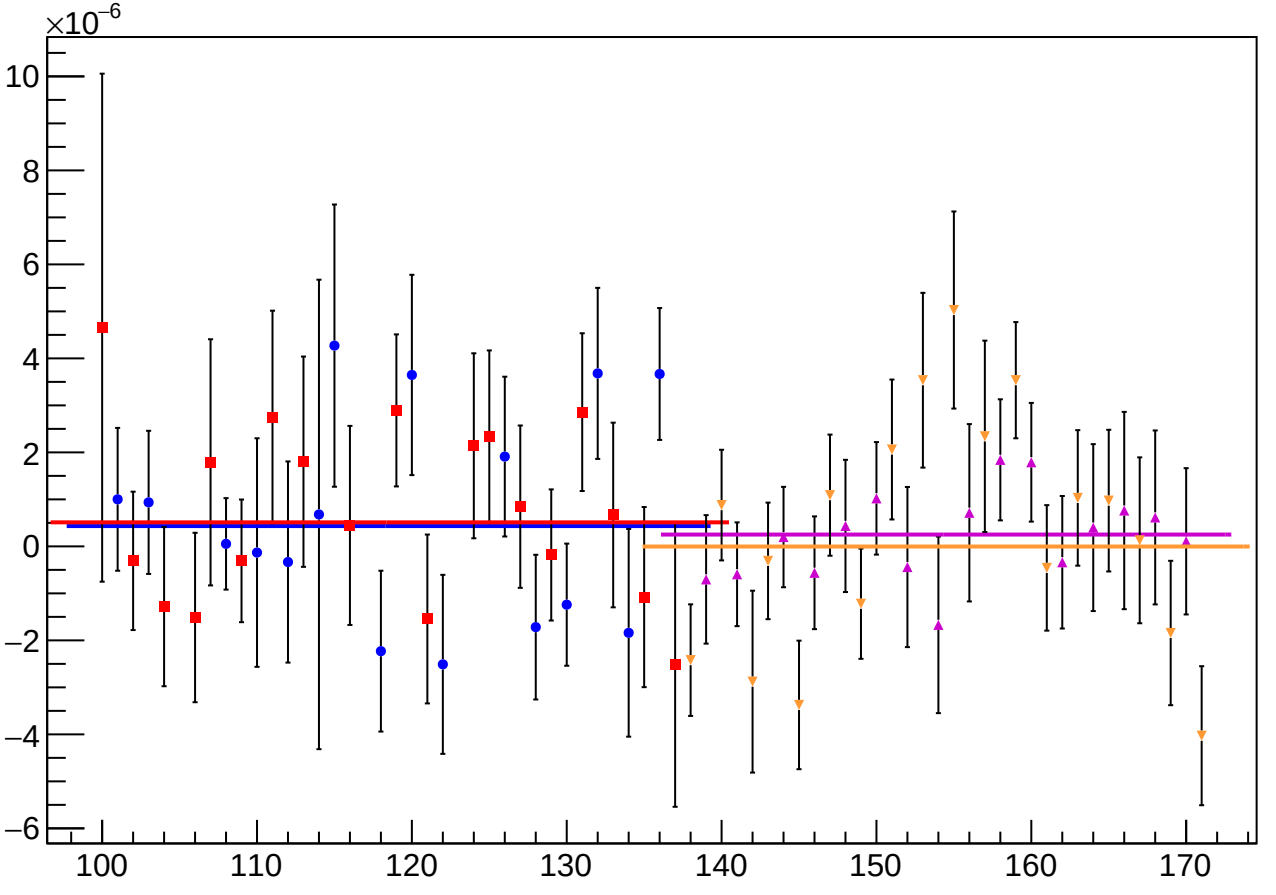
Left In: 14.314+/-0.003 χ^2/NDF:2003151.1/15

+ sign 14.570+/-0.002 χ^2/NDF: 4449596.9/33

All: 14.450+/-0.002 χ^2/NDF: 10086758.0/68

- sign 14.324+/-0.002 χ^2/NDF: 5632206.8/34

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:45.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

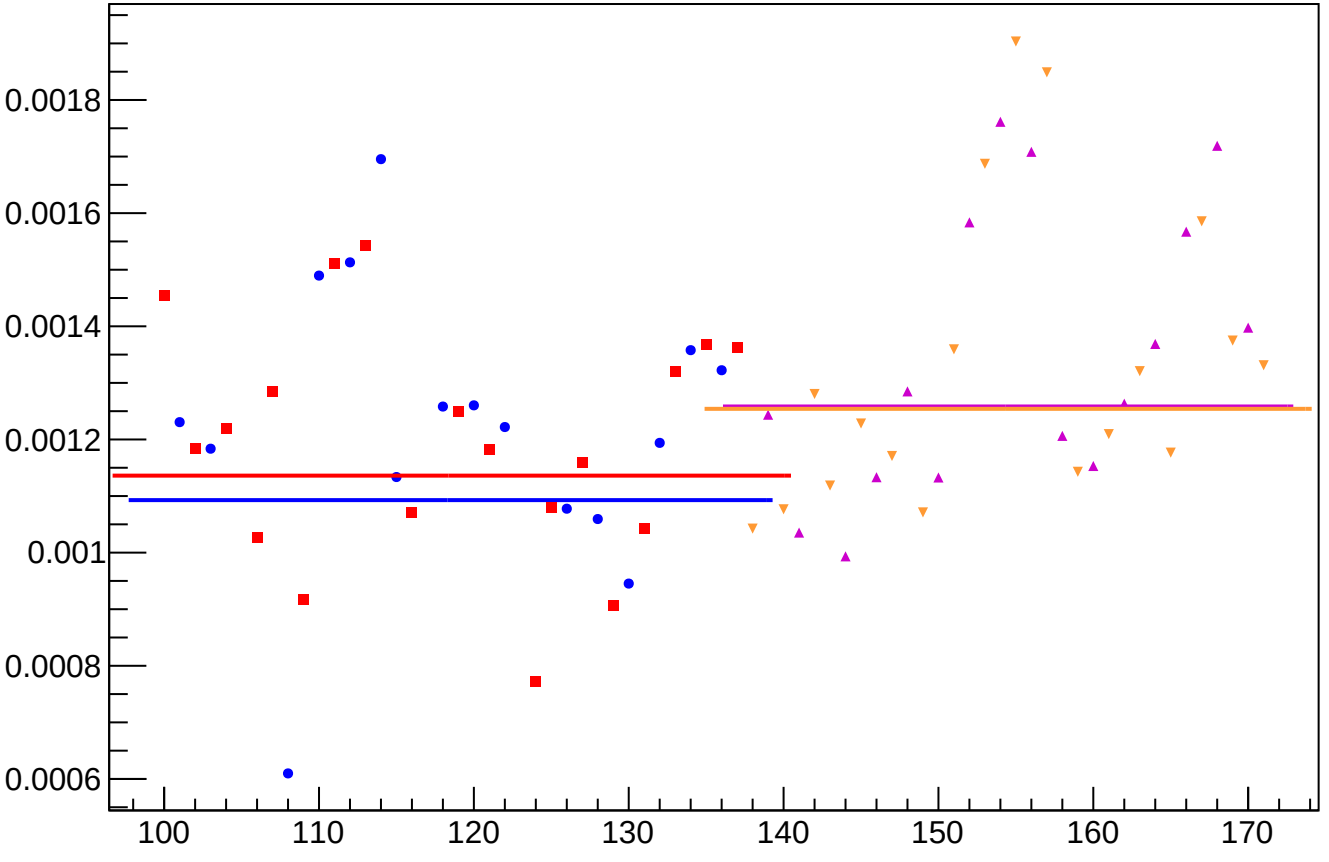
Left In: 0.000+/-0.000 χ^2/NDF:6.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 69.5/33

All: 0.000+/-0.000 χ^2/NDF: 90.8/68

- sign 0.000+/-0.000 χ^2/NDF: 21.1/34

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:788300.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

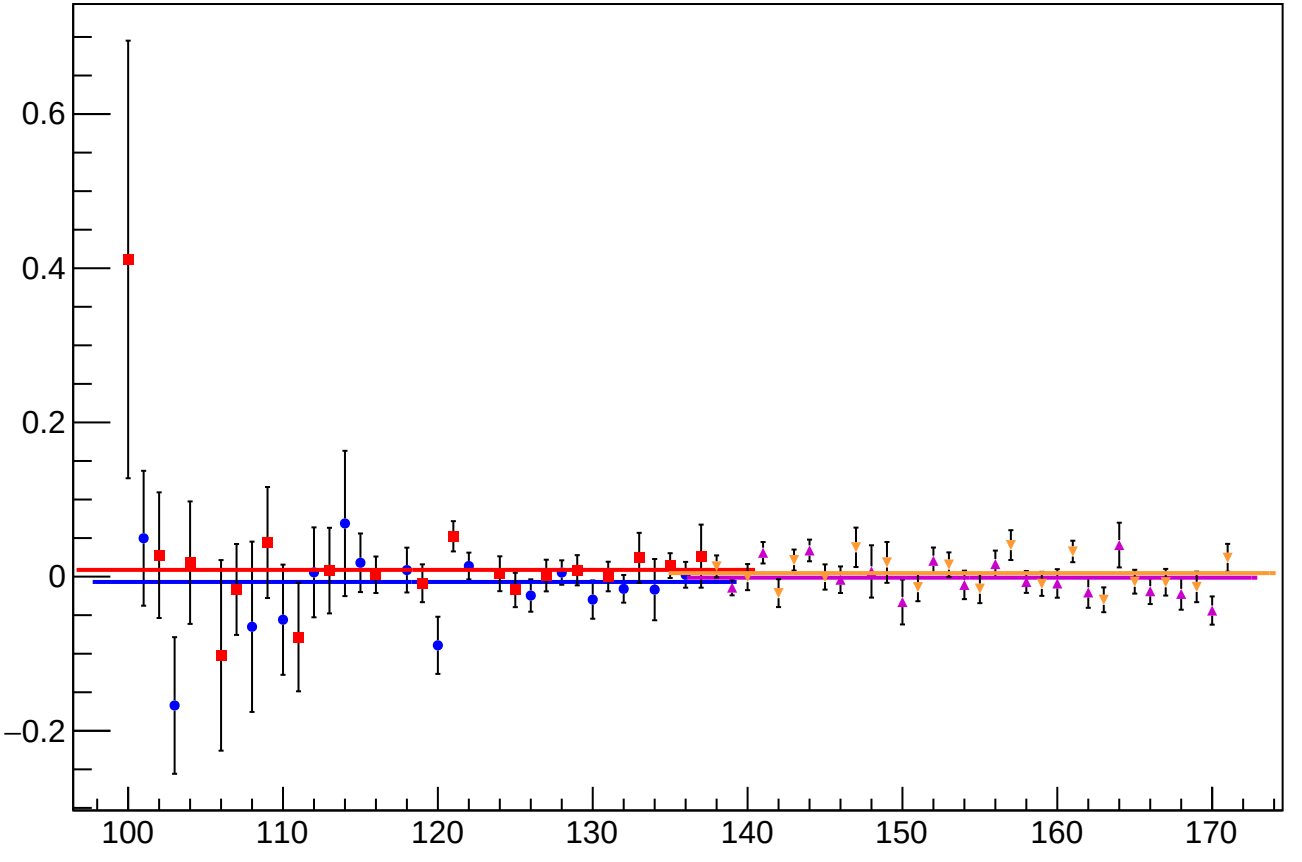
Left In: 0.001+/-0.000 χ^2/NDF:787535.8/15

+ sign 0.001+/-0.000 χ^2/NDF: 1799355.9/33

All: 0.001+/-0.000 χ^2/NDF: 3096796.3/68

- sign 0.001+/-0.000 χ^2/NDF: 1293228.0/34

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

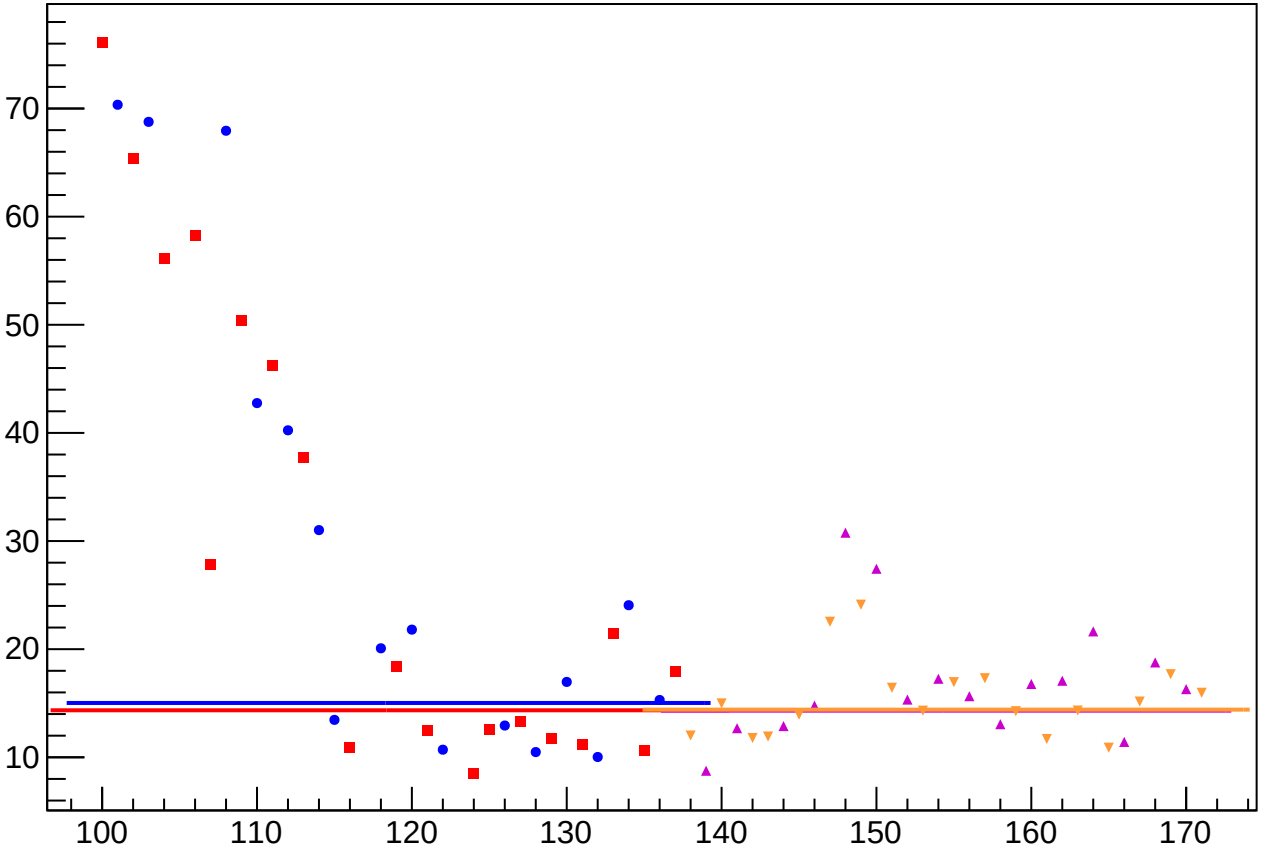
Left In: -0.001+/-0.004 χ^2/NDF:28.5/15

+ sign 0.002+/-0.003 χ^2/NDF: 41.9/33

All: 0.002+/-0.002 χ^2/NDF: 84.8/68

- sign 0.002+/-0.004 χ^2/NDF: 42.9/34

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.408+/-0.003 χ^2/NDF:998978.3/17

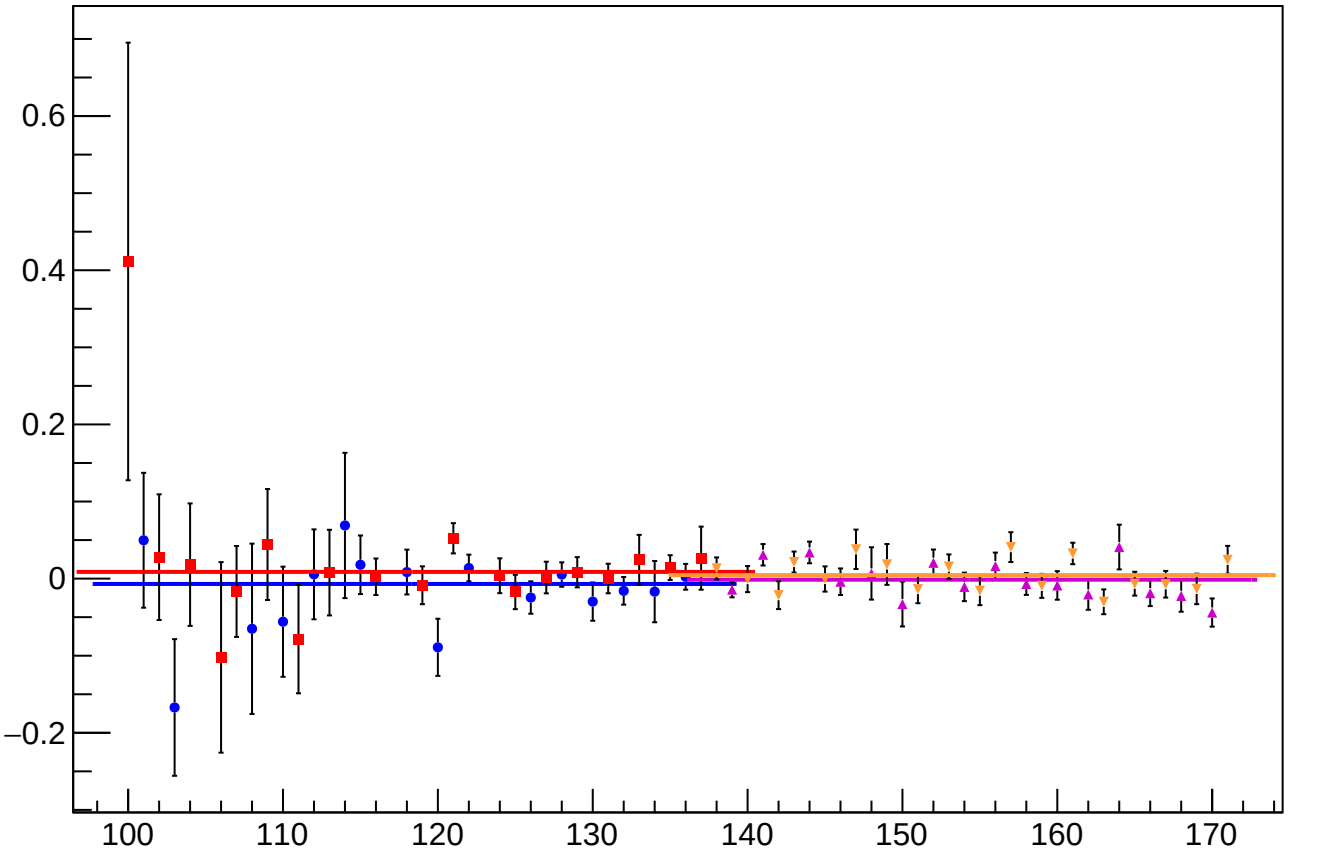
Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.313+/-0.003 χ^2/NDF:2003217.2/15

+ sign 14.569+/-0.002 χ^2/NDF: 4449676.3/33

All: 14.450+/-0.002 χ^2/NDF: 10086892.4/68

- sign 14.324+/-0.002 χ^2/NDF: 5632263.0/34



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: 0.009+/-0.006 χ^2/NDF: 12.6/18

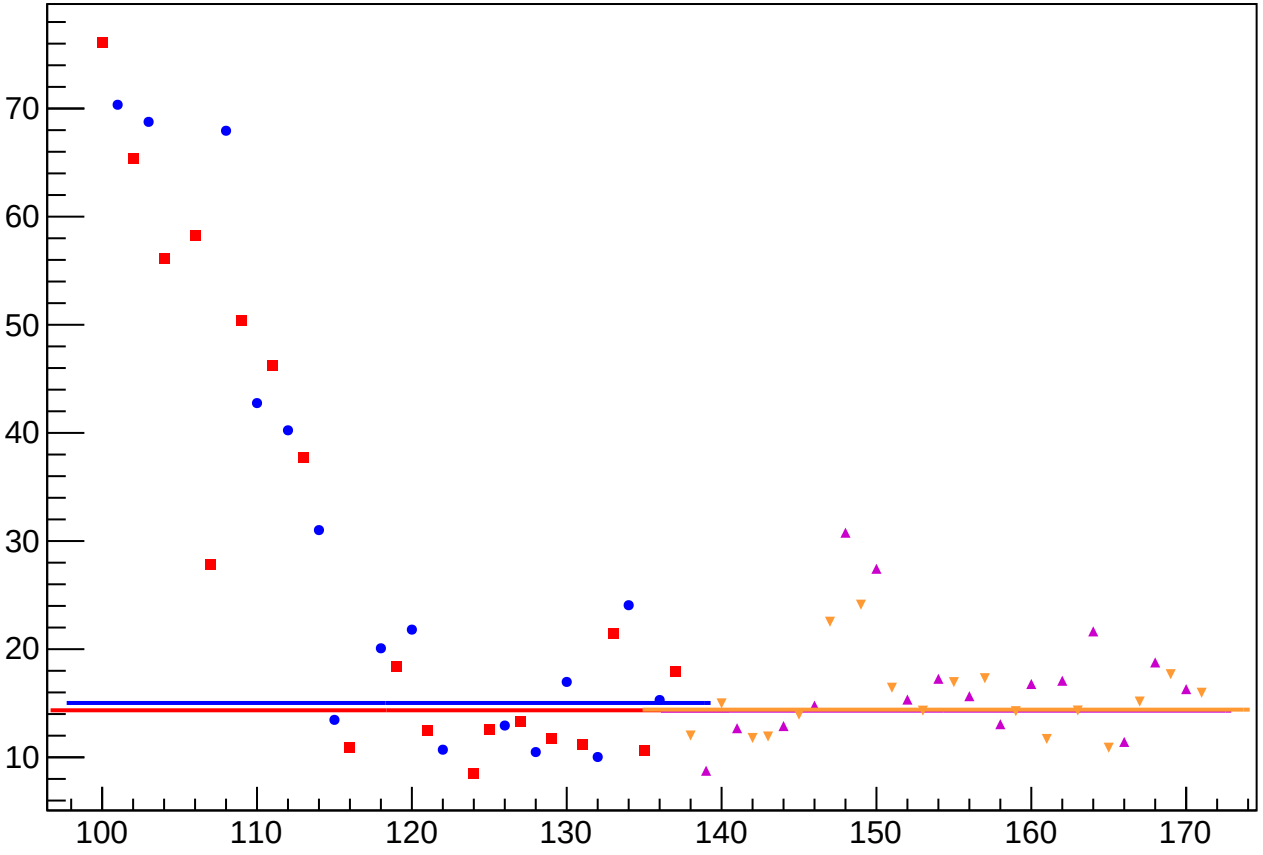
Left In: -0.001+/-0.004 χ^2/NDF:28.5/15

+ sign 0.002+/-0.003 χ^2/NDF: 41.9/33

All: 0.002+/-0.002 χ^2/NDF: 84.8/68

- sign 0.002+/-0.004 χ^2/NDF: 42.9/34

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.408+/-0.003 χ^2/NDF:998978.3/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

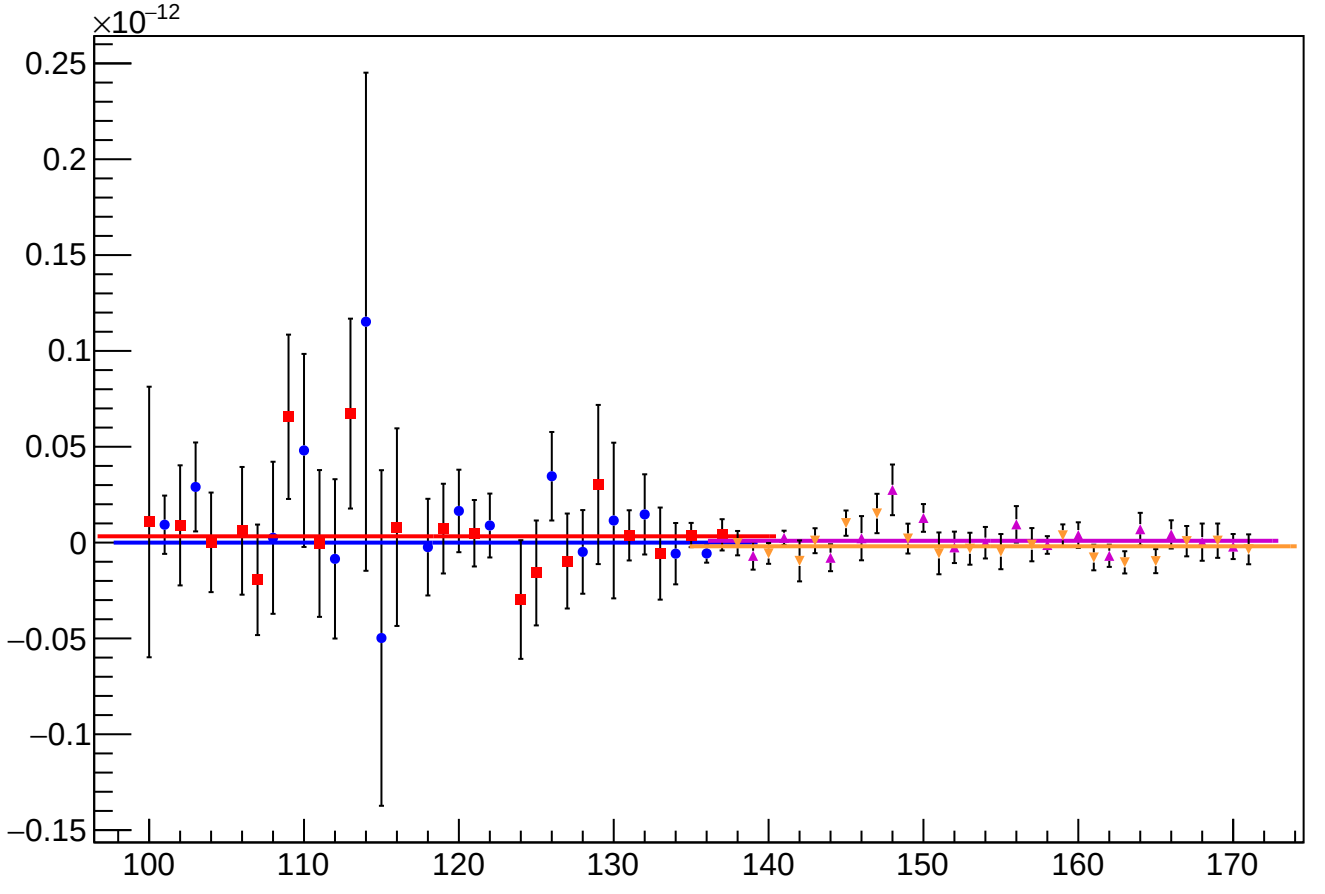
Left In: 14.313+/-0.003 χ^2/NDF:2003217.2/15

+ sign 14.569+/-0.002 χ^2/NDF: 4449676.3/33

All: 14.450+/-0.002 χ^2/NDF: 10086892.4/68

- sign 14.324+/-0.002 χ^2/NDF: 5632263.0/34

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/17

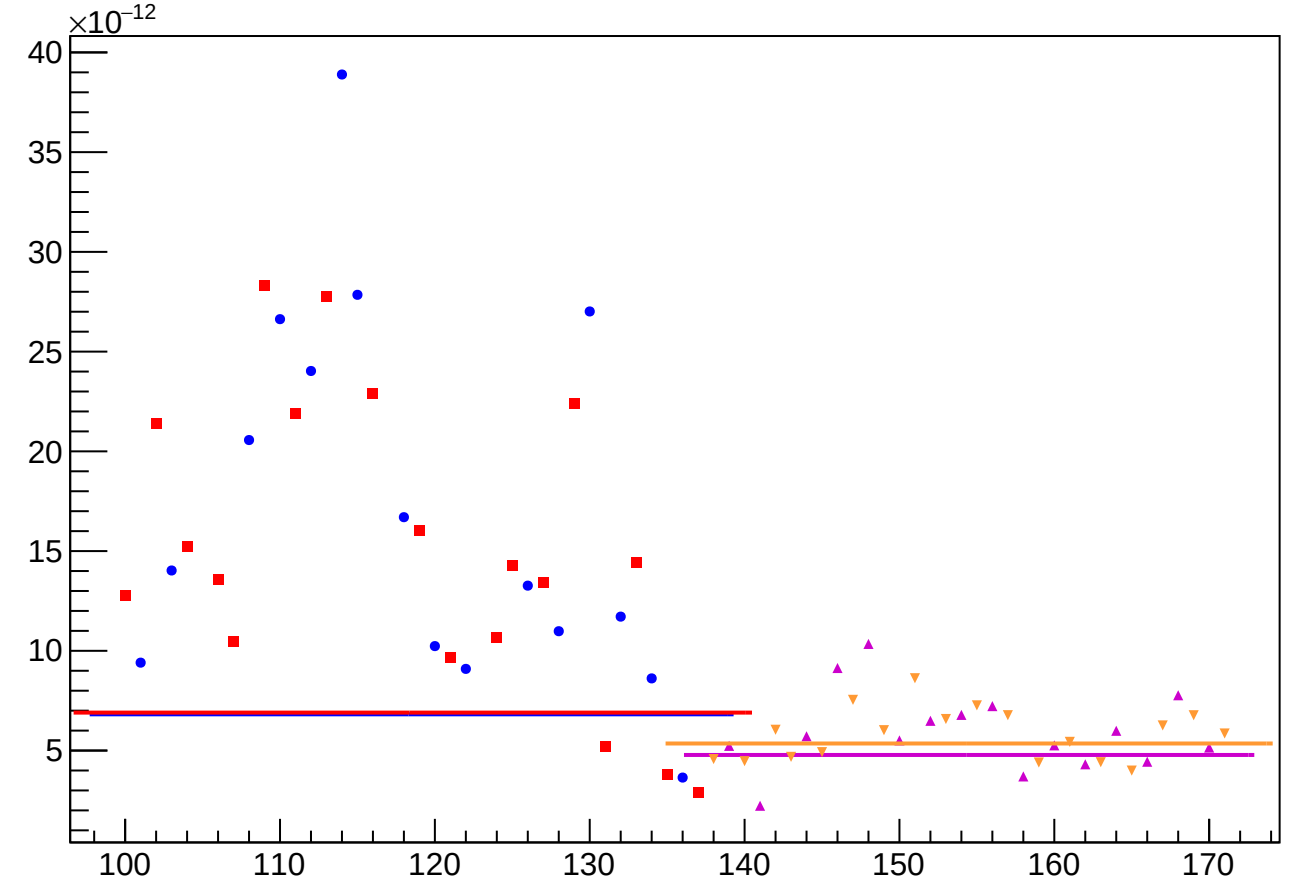
Right Out: 0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/15

+ sign -0.000+/-0.000 χ^2/NDF: 23.0/33

All: -0.000+/-0.000 χ^2/NDF: 46.0/68

- sign 0.000+/-0.000 χ^2/NDF: 21.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:876742.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

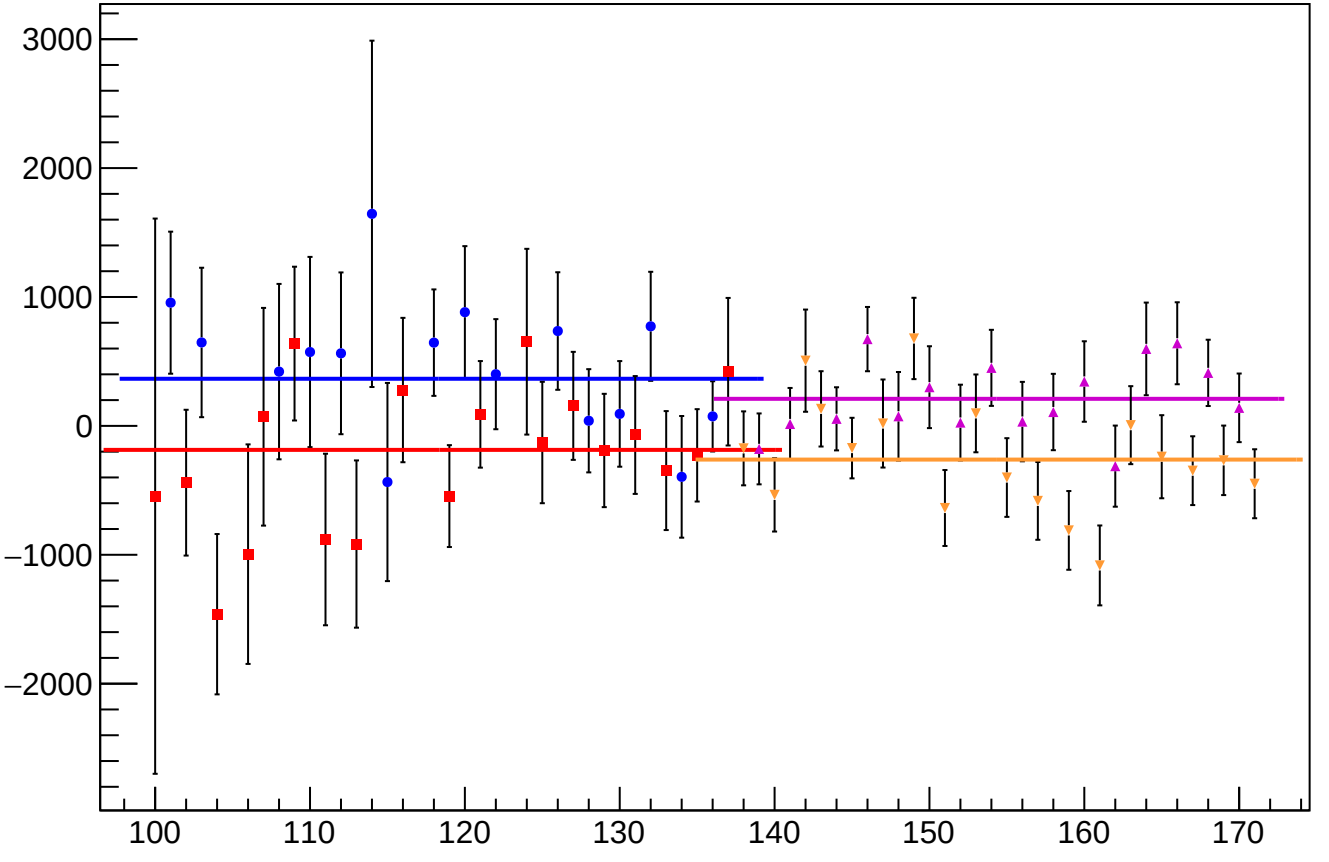
Left In: 0.000+/-0.000 χ^2/NDF:2362501.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 4635682.6/33

All: 0.000+/-0.000 χ^2/NDF: 11829923.8/68

- sign 0.000+/-0.000 χ^2/NDF: 7093089.7/34

reg_asym_sam2_mean vs Slug



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.410+/-69.507 χ^2/NDF:32.3/17

Right Out: -186.141+/-120.188 χ^2/NDF: 15.0/18

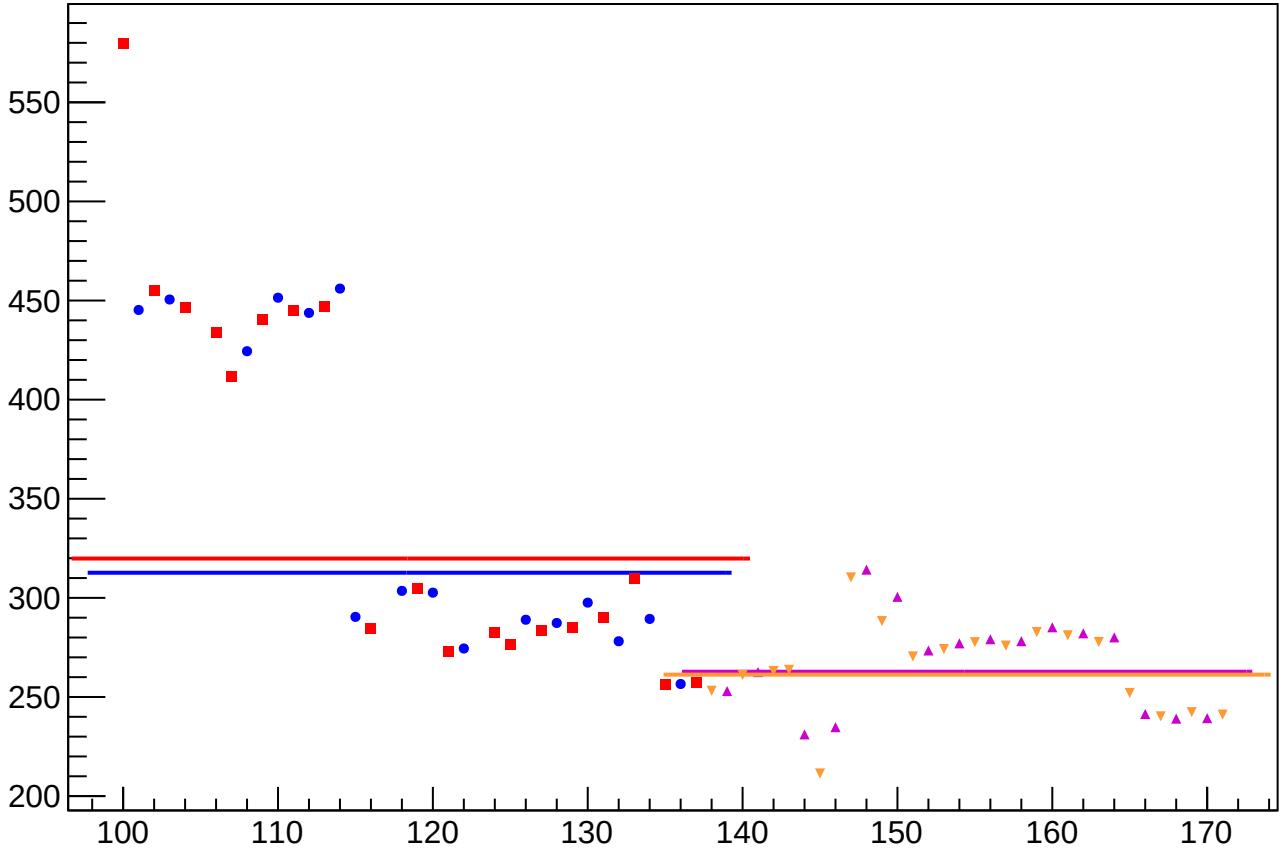
Left In: 209.939+/-72.658 χ^2/NDF:14.7/15

\+ sign -101.672+/-60.003 χ^2/NDF: 64.5/33

All: -2.534+/-43.177 χ^2/NDF: 107.8/68

\- sign 103.928+/-62.179 χ^2/NDF: 37.7/34

reg_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

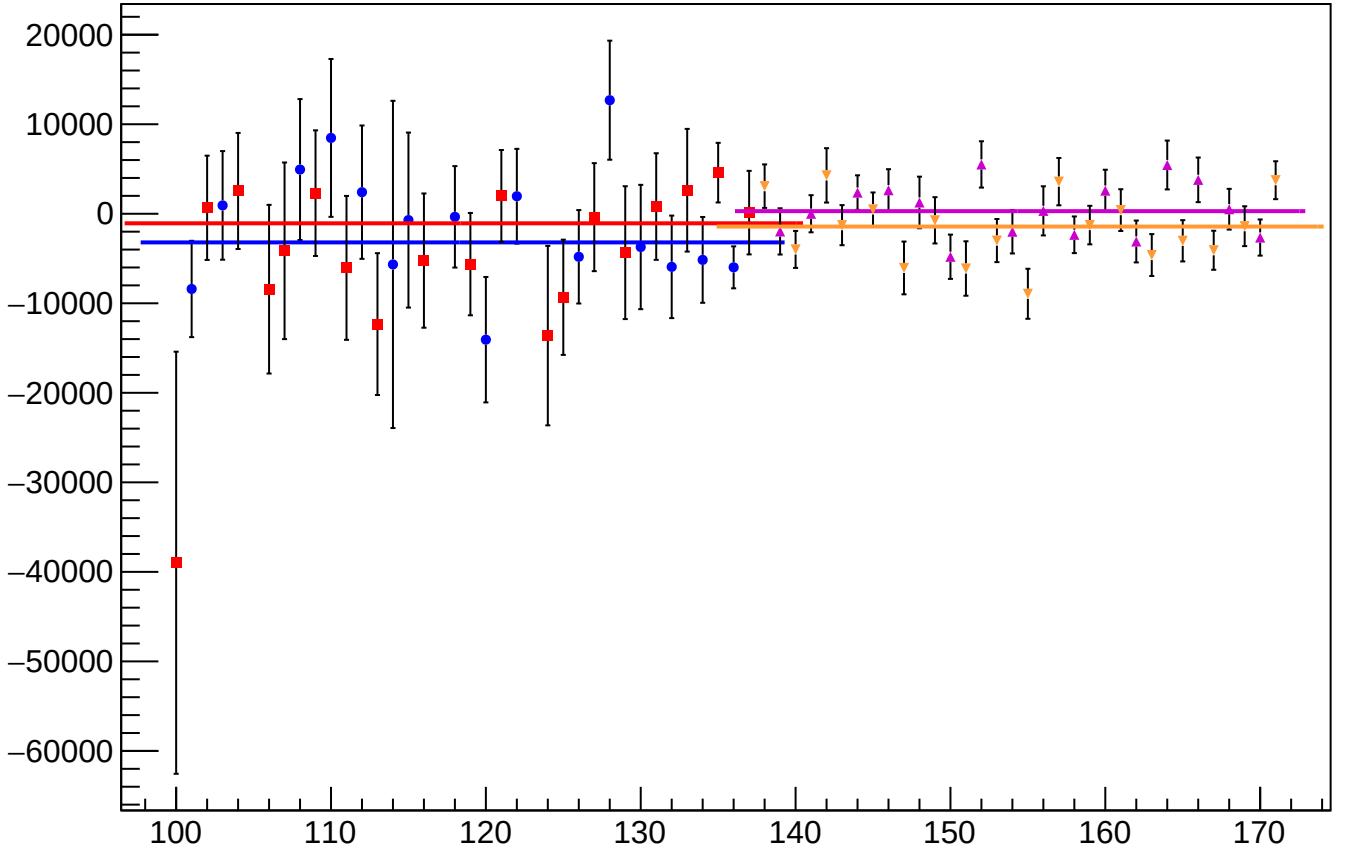
Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

+ sign 274.375+/-0.042 χ^2/NDF: 1104109.1/33

All: 276.139+/-0.031 χ^2/NDF: 2352735.0/68

- sign 278.033+/-0.044 χ^2/NDF: 1245042.8/34

asym_sam2_reg_correction_mean vs Slug



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1428.777+/-557.922 χ^2/NDF:36.1/17

Right Out: -1065.939+/-1443.326 χ^2/NDF: 14.4/18

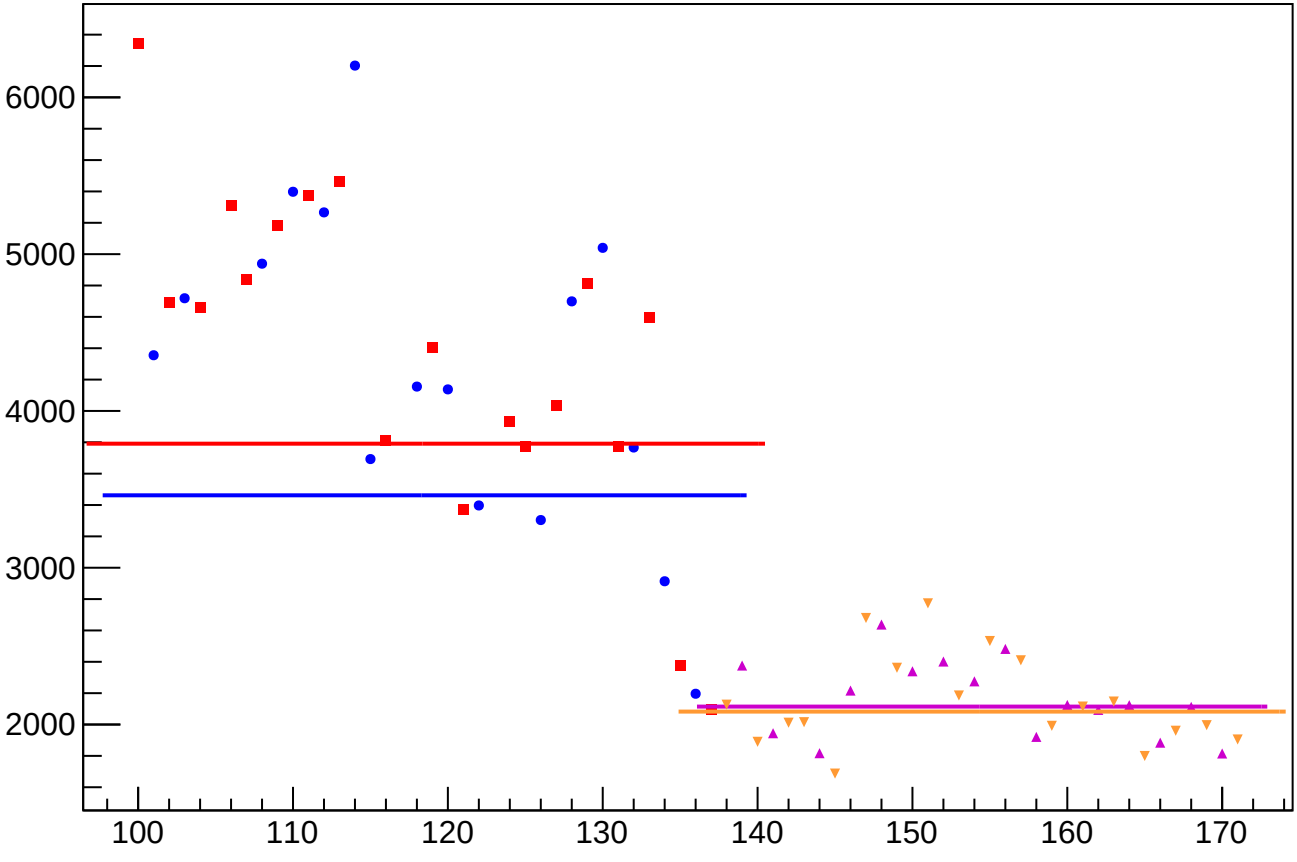
Left In: 292.228+/-586.558 χ^2/NDF:24.7/15

+ sign -1685.739+/-515.835 χ^2/NDF: 53.7/33

All: -839.443+/-374.116 χ^2/NDF: 99.1/68

- sign 99.715+/-543.399 χ^2/NDF: 39.8/34

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.0/17

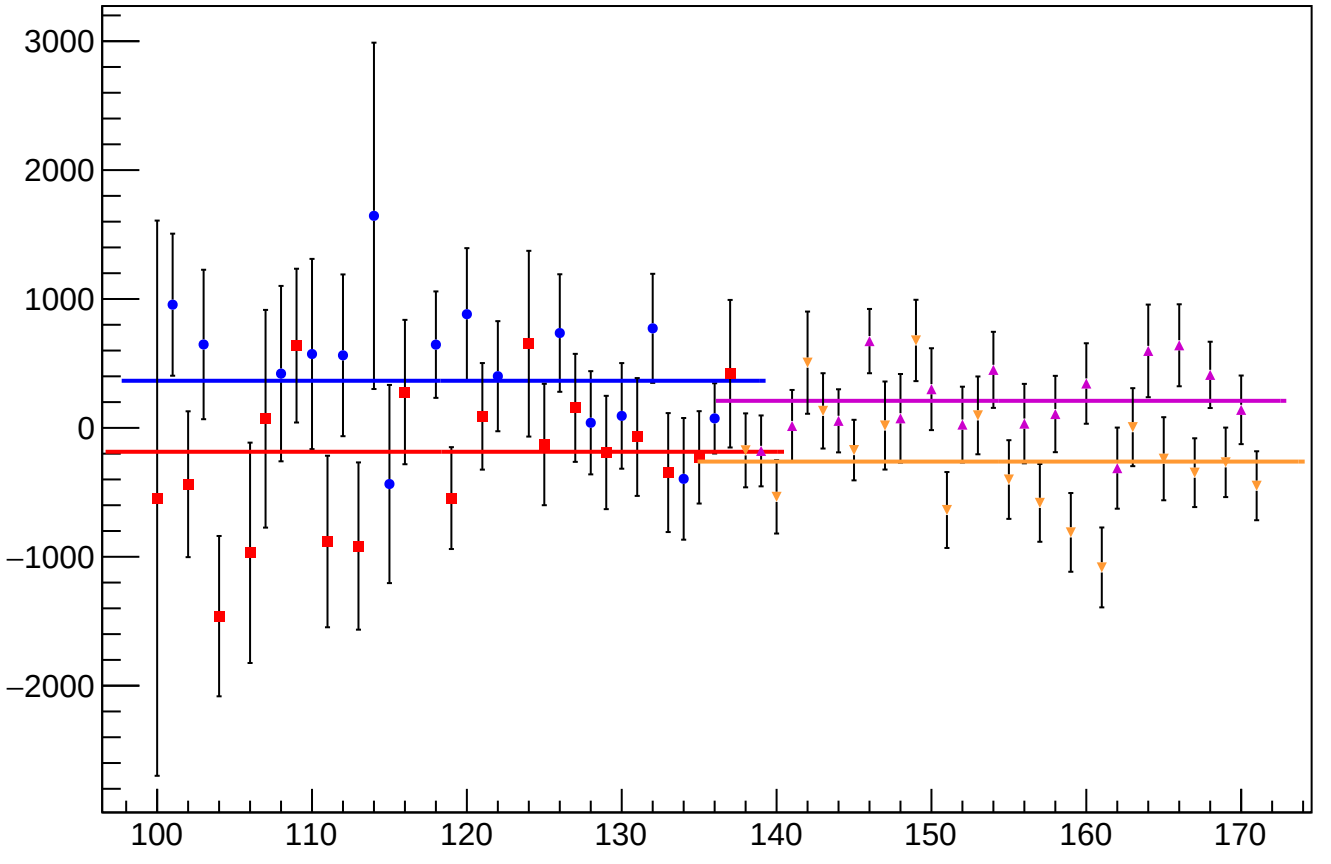
Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2114.383+/-0.415 χ^2/NDF:315931.0/15

+ sign 2282.748+/-0.365 χ^2/NDF: 3546486.3/33

All: 2315.604+/-0.265 χ^2/NDF: 7352113.1/68

- sign 2352.065+/-0.384 χ^2/NDF: 3788508.4/34



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.405+/-69.507 χ^2/NDF:32.3/17

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

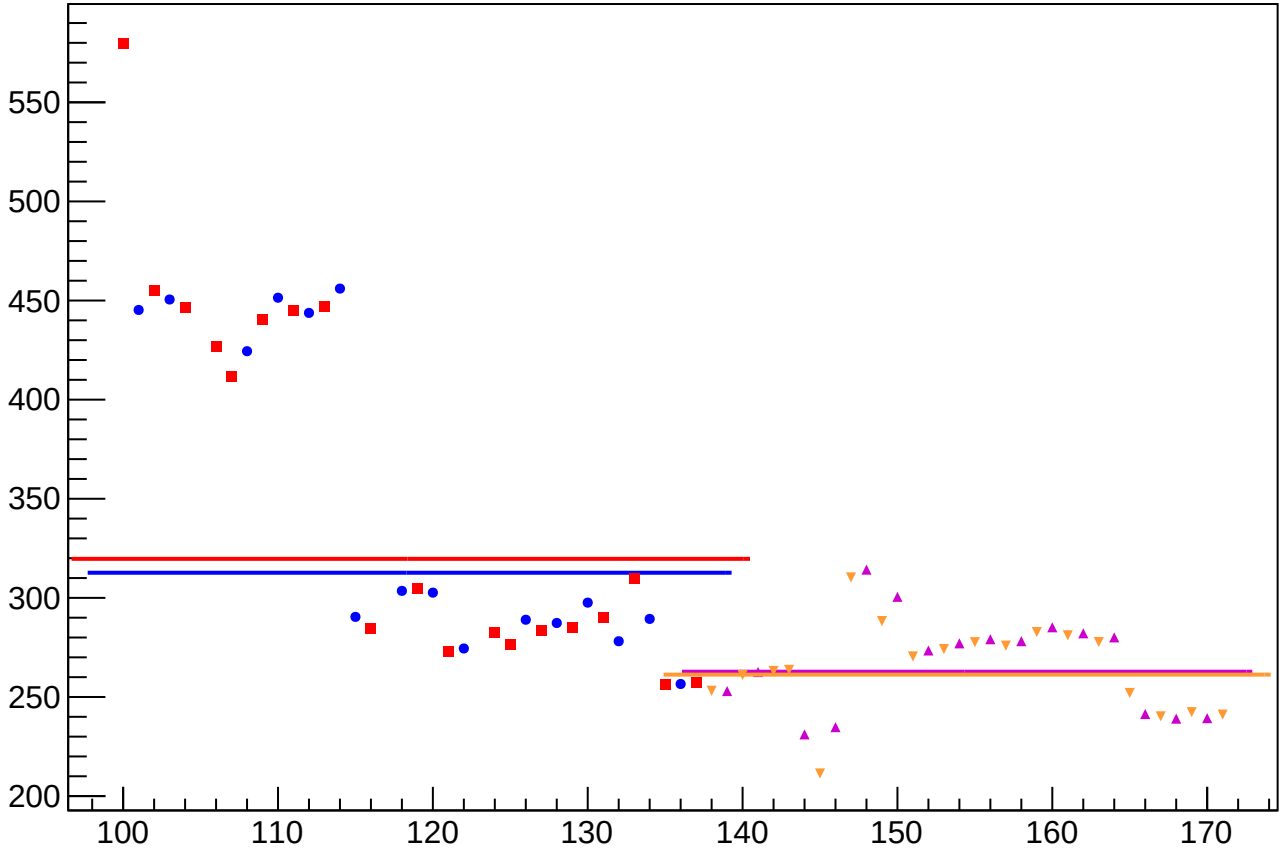
Left In: 209.943+/-72.658 χ^2/NDF:14.7/15

\+ sign -101.673+/-60.003 χ^2/NDF: 64.5/33

All: -2.423+/-43.178 χ^2/NDF: 107.7/68

\- sign 104.162+/-62.181 χ^2/NDF: 37.6/34

cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

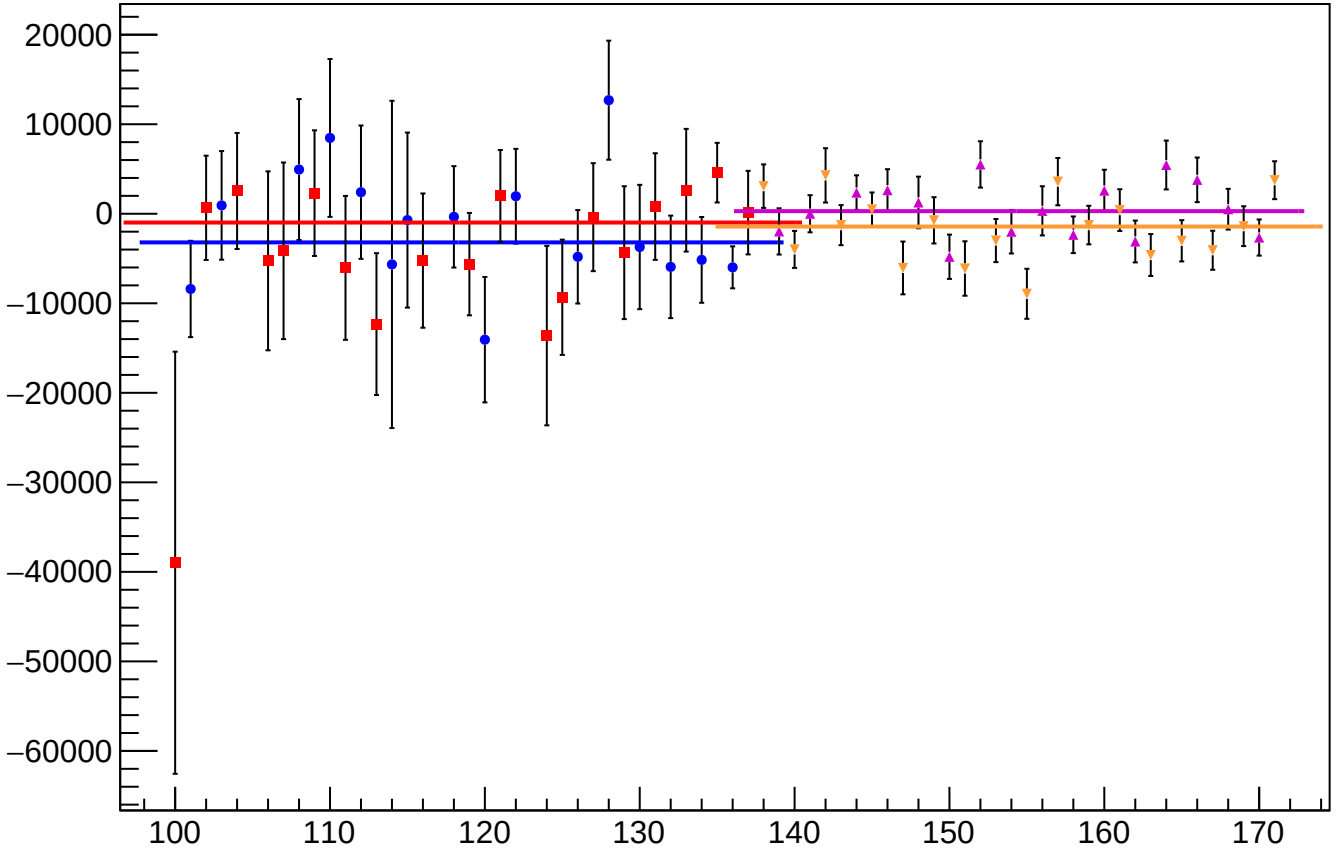
Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

+ sign 274.375+/-0.042 χ^2/NDF: 1104110.7/33

All: 276.119+/-0.031 χ^2/NDF: 2346733.9/68

- sign 277.991+/-0.044 χ^2/NDF: 1239121.5/34

asym_sam2_cor_correction_mean vs Slug



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1428.770+/-557.922 χ^2/NDF:36.1/17

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

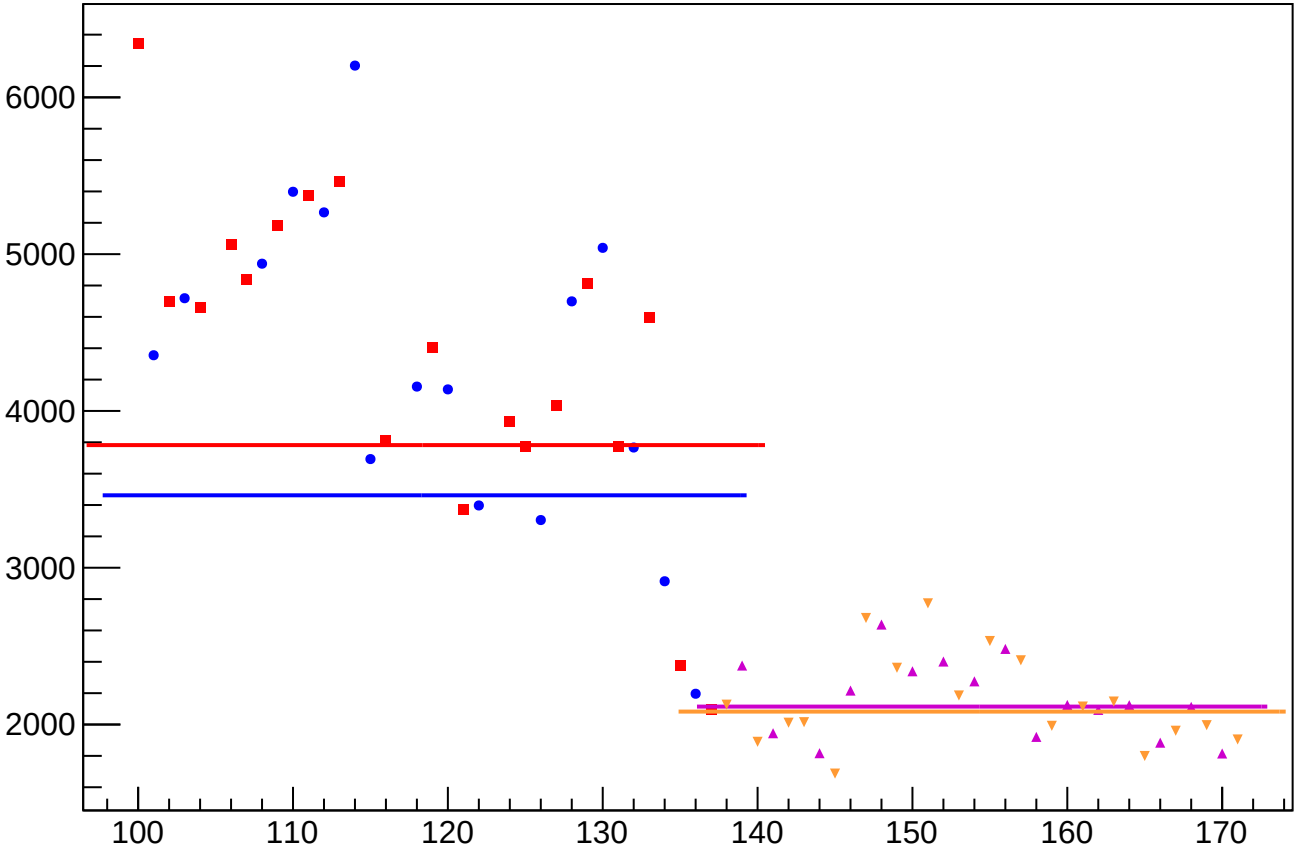
Left In: 292.221+/-586.558 χ^2/NDF:24.7/15

+ sign -1685.722+/-515.835 χ^2/NDF: 53.7/33

All: -833.700+/-374.149 χ^2/NDF: 98.7/68

- sign 112.172+/-543.502 χ^2/NDF: 39.3/34

asym_sam2_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.1/17

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

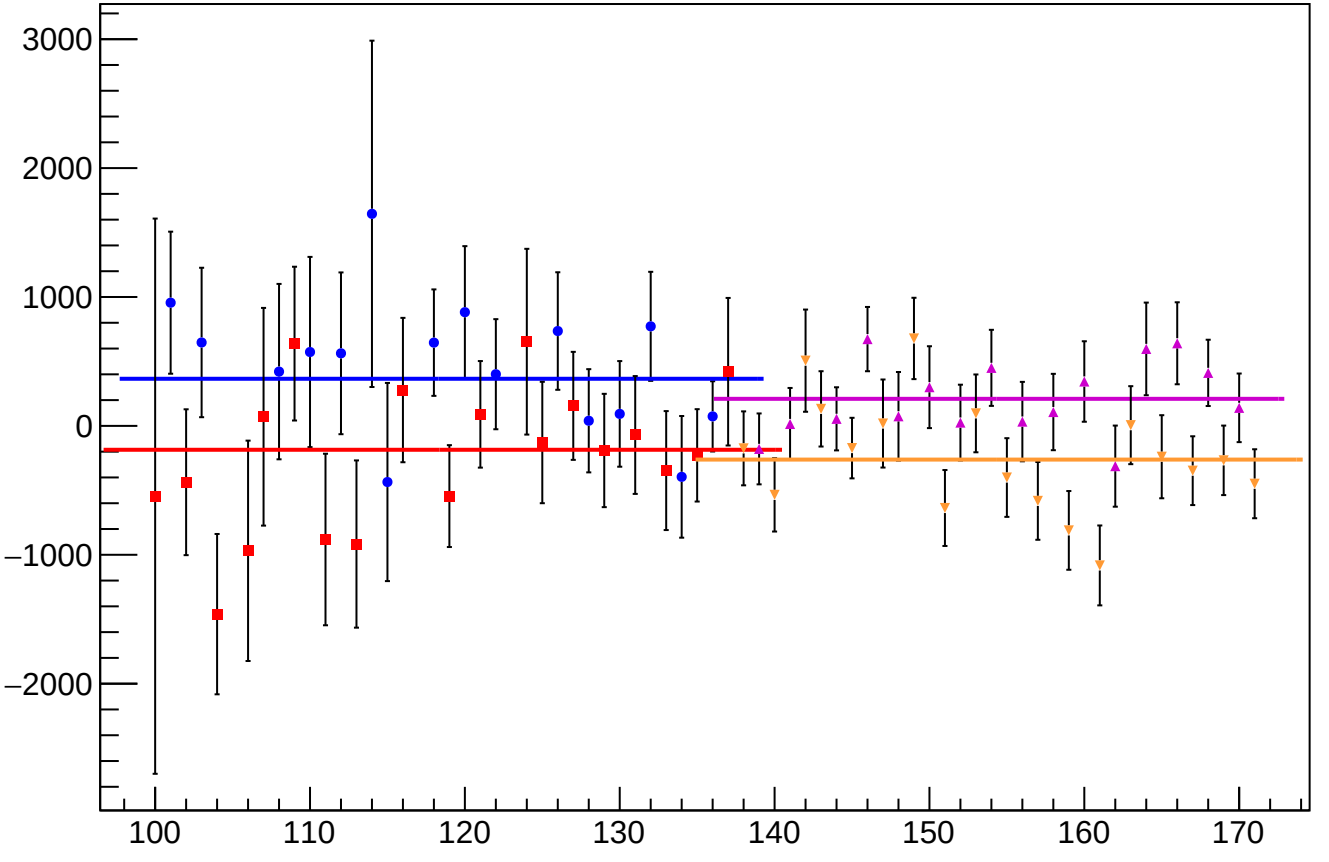
Left In: 2114.383+/-0.415 χ^2/NDF:315932.1/15

+ sign 2282.748+/-0.365 χ^2/NDF: 3546506.4/33

All: 2314.733+/-0.265 χ^2/NDF: 7301662.0/68

- sign 2350.241+/-0.384 χ^2/NDF: 3738929.3/34

eigen_cor_asym_sam2_mean vs Slug



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.405+/-69.507 χ^2/NDF:32.3/17

Right Out: -185.331+/-120.199 χ^2/NDF: 14.9/18

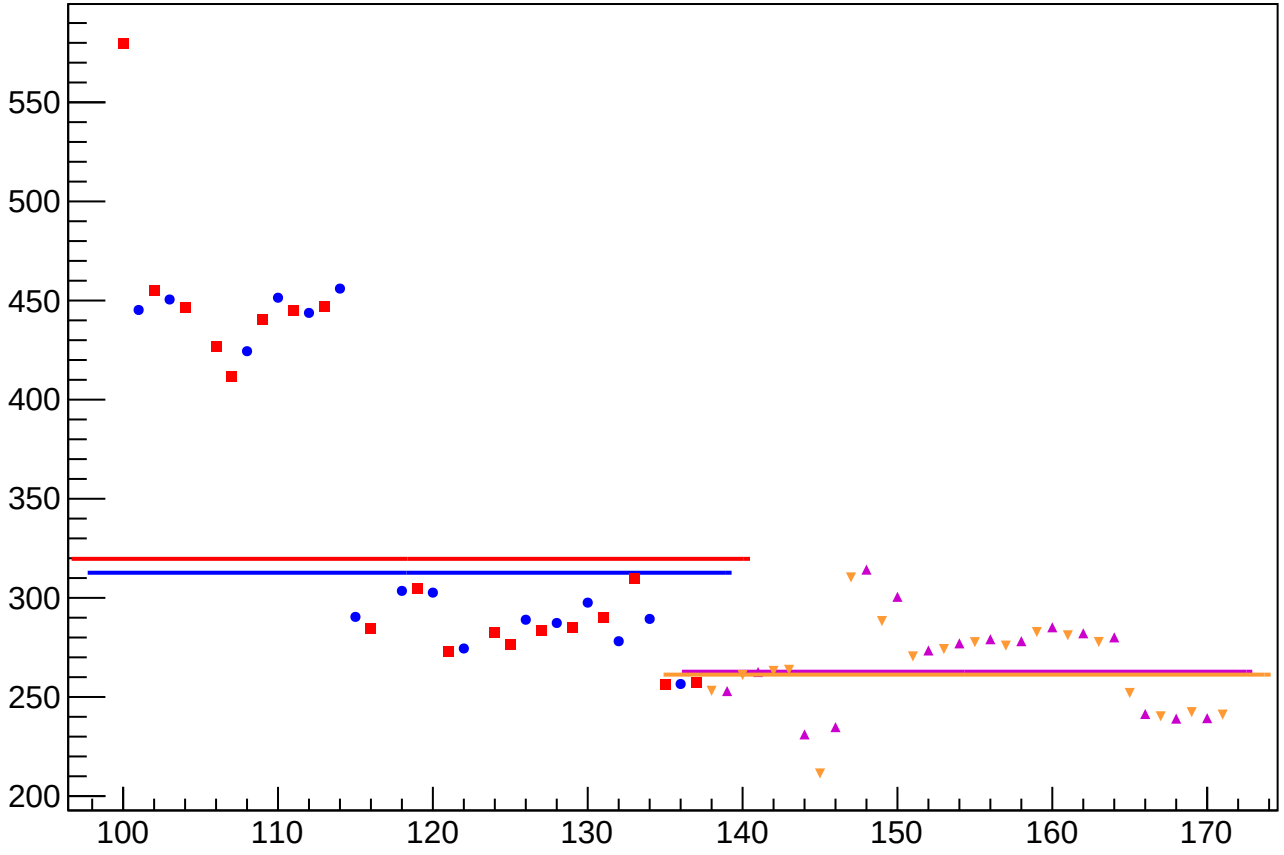
Left In: 209.943+/-72.658 χ^2/NDF:14.7/15

+ sign -101.673+/-60.003 χ^2/NDF: 64.5/33

All: -2.423+/-43.178 χ^2/NDF: 107.7/68

- sign 104.162+/-62.181 χ^2/NDF: 37.6/34

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

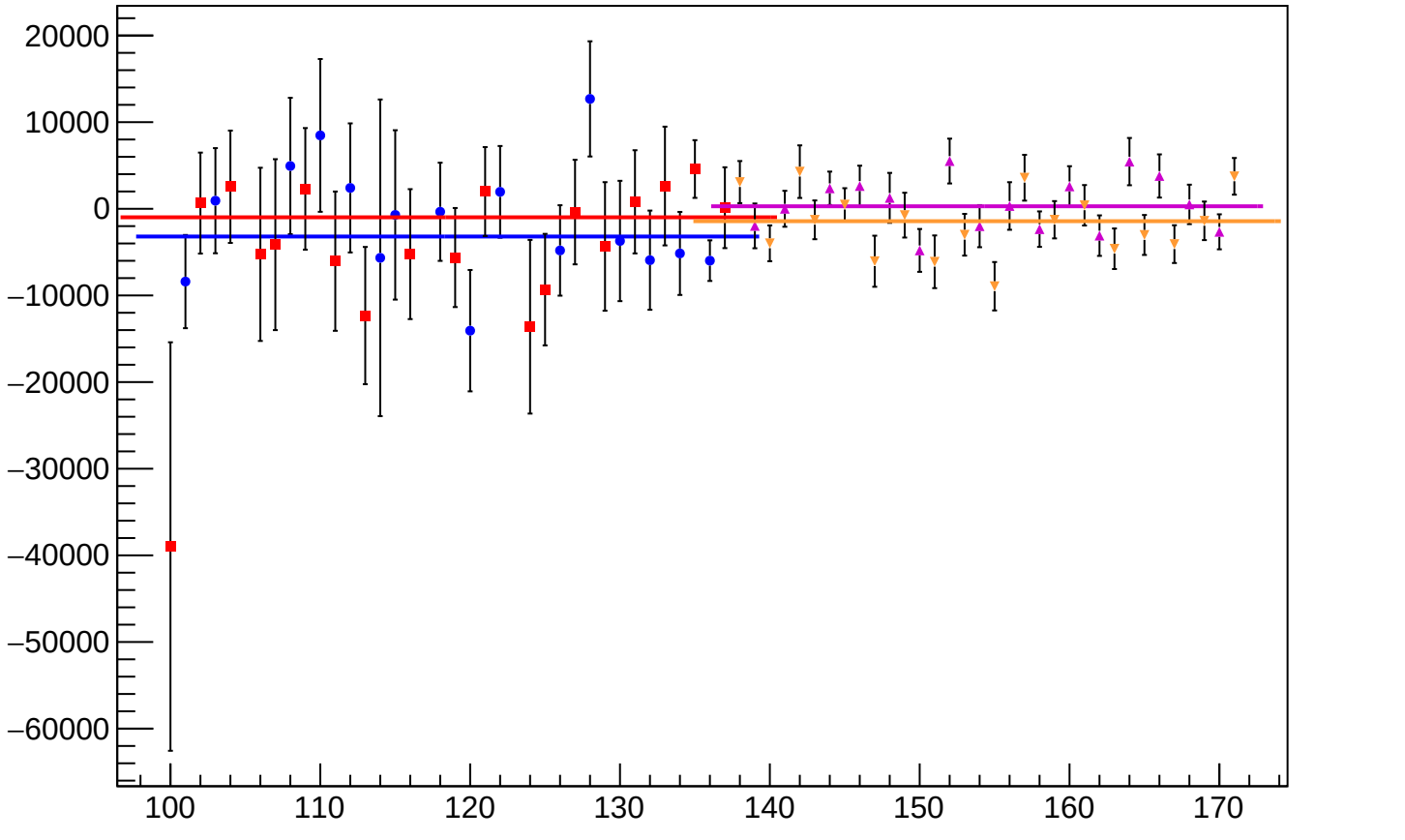
Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 262.753+/-0.051 χ^2/NDF:216713.2/15

+ sign 274.375+/-0.042 χ^2/NDF: 1104110.7/33

All: 276.119+/-0.031 χ^2/NDF: 2346733.9/68

- sign 277.991+/-0.044 χ^2/NDF: 1239121.5/34



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1428.770+/-557.922 χ^2/NDF:36.1/17

Right Out: -980.937+/-1445.265 χ^2/NDF: 14.0/18

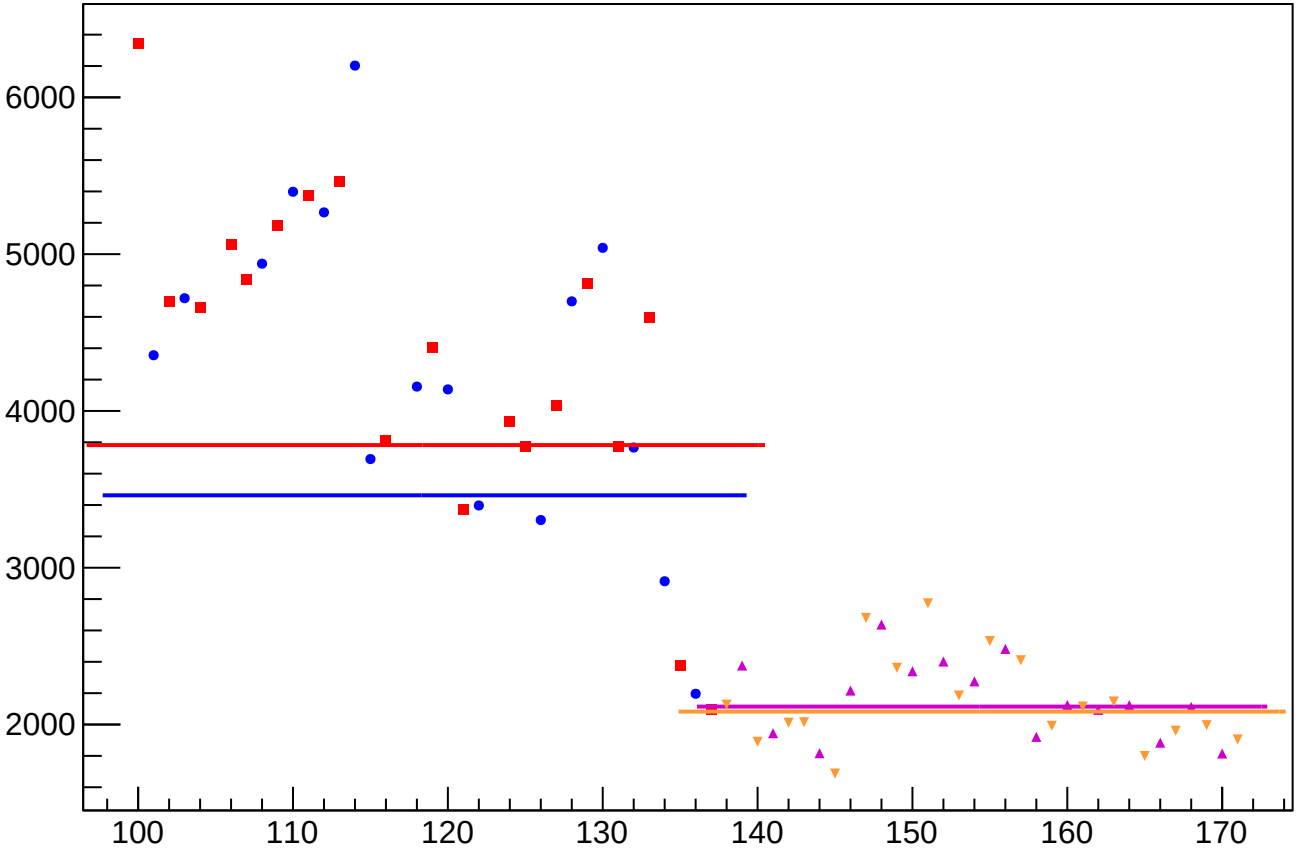
Left In: 292.221+/-586.558 χ^2/NDF:24.7/15

+ sign -1685.722+/-515.835 χ^2/NDF: 53.7/33

All: -833.700+/-374.149 χ^2/NDF: 98.7/68

- sign 112.172+/-543.502 χ^2/NDF: 39.3/34

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.1/17

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

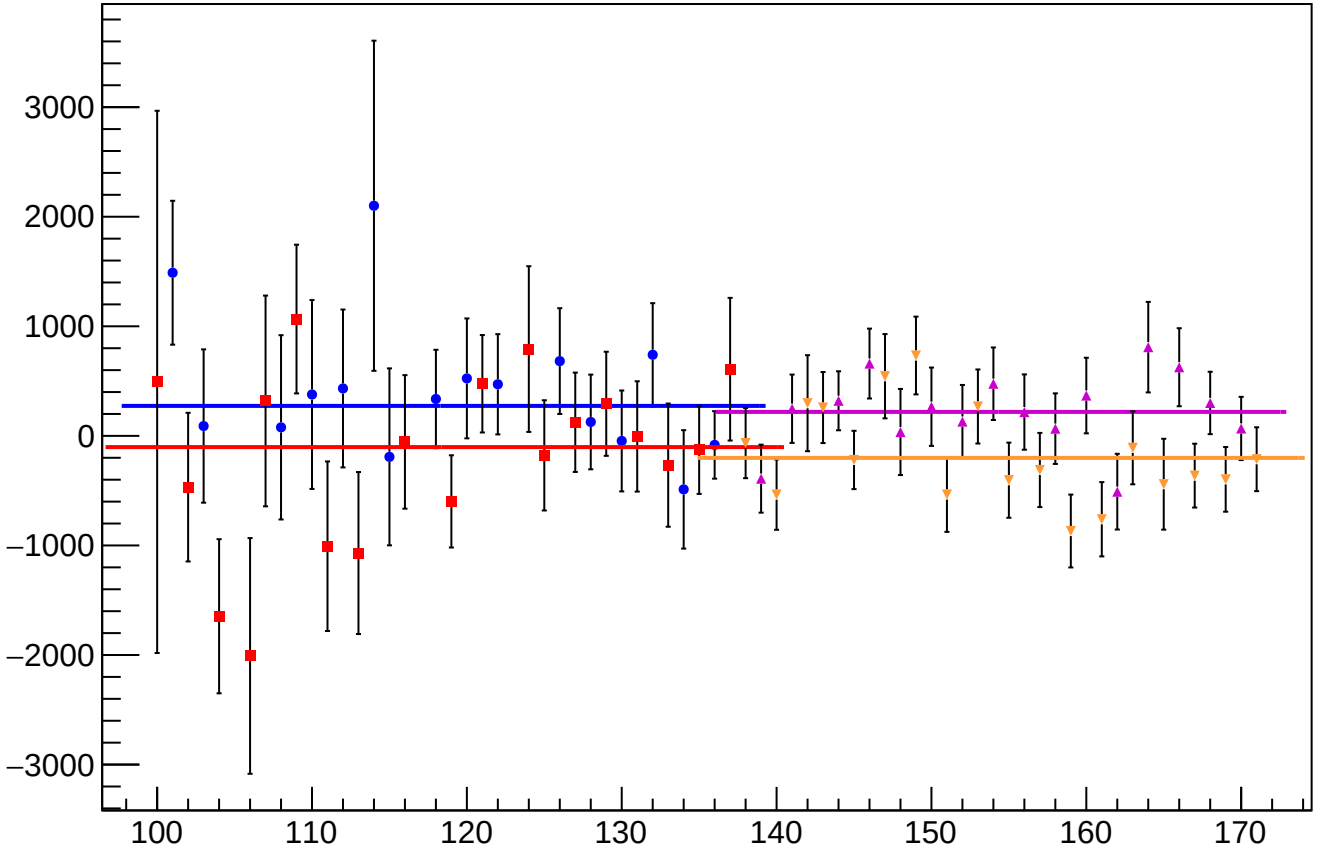
Left In: 2114.383+/-0.415 χ^2/NDF:315932.1/15

+ sign 2282.748+/-0.365 χ^2/NDF: 3546506.4/33

All: 2314.733+/-0.265 χ^2/NDF: 7301662.0/68

- sign 2350.241+/-0.384 χ^2/NDF: 3738929.3/34

dit_asym_sam2_mean vs Slug



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -200.919+/-77.808 χ^2/NDF:26.5/17

Right Out: -102.369+/-133.606 χ^2/NDF: 21.3/18

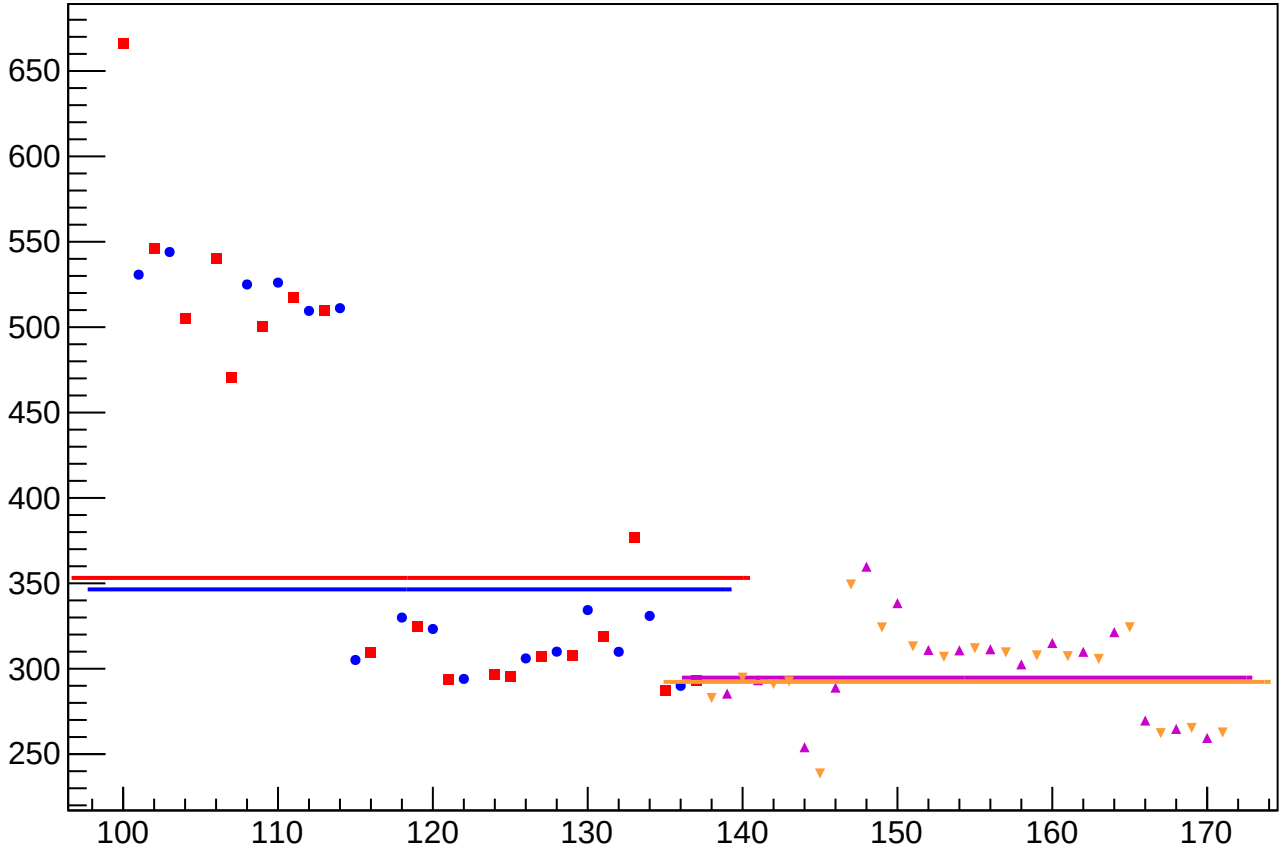
Left In: 218.737+/-81.746 χ^2/NDF:15.4/15

+ sign -79.301+/-67.100 χ^2/NDF: 47.5/33

All: 21.940+/-48.350 χ^2/NDF: 93.2/68

- sign 131.273+/-69.730 χ^2/NDF: 40.9/34

dit_asym_sam2_rms vs Slug



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 292.297+/-0.055 χ^2/NDF:248211.6/17

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

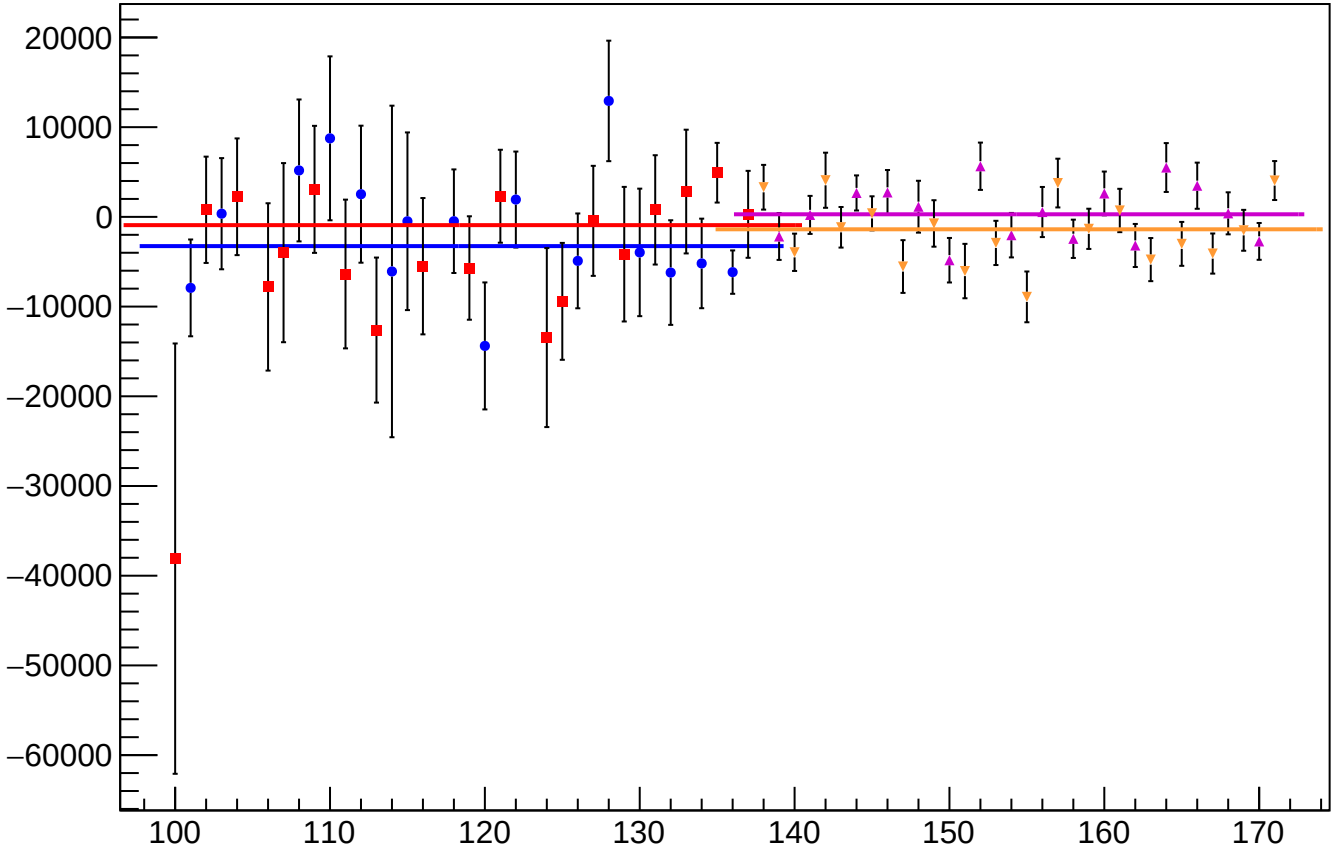
Left In: 294.767+/-0.058 χ^2/NDF:229154.2/15

+ sign 306.178+/-0.047 χ^2/NDF: 1265327.5/33

All: 308.341+/-0.034 χ^2/NDF: 2643312.6/68

- sign 310.677+/-0.049 χ^2/NDF: 1373663.0/34

asym_sam2_dit_correction_mean vs Slug



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1384.715+/-569.416 χ^2/NDF:35.5/17

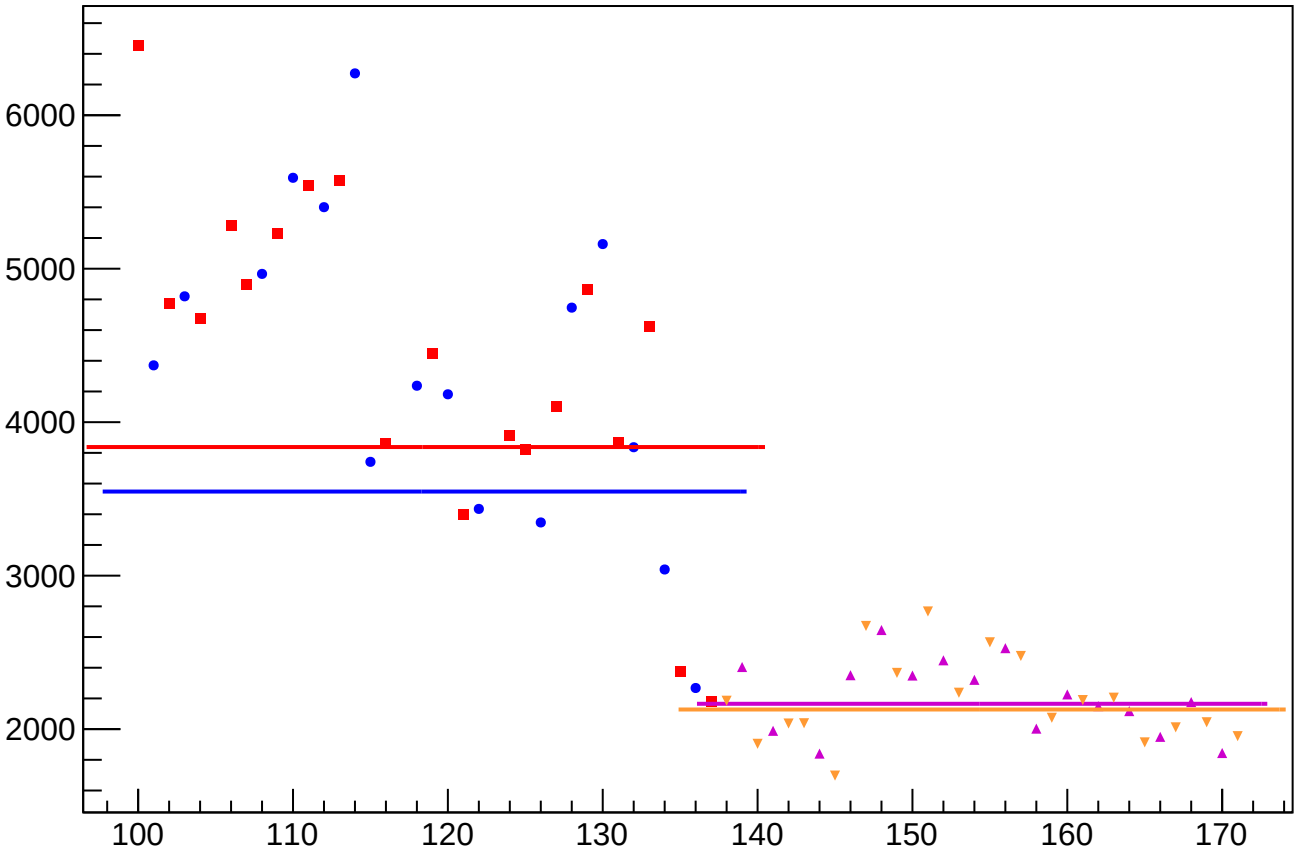
Right Out: -921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 288.835+/-600.426 χ^2/NDF:24.7/15

+ sign -1655.981+/-526.597 χ^2/NDF: 53.1/33

All: -818.009+/-382.118 χ^2/NDF: 98.3/68

- sign 113.940+/-555.341 χ^2/NDF: 39.9/34



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2127.869+/-0.403 χ^2/NDF:431654.7/17

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

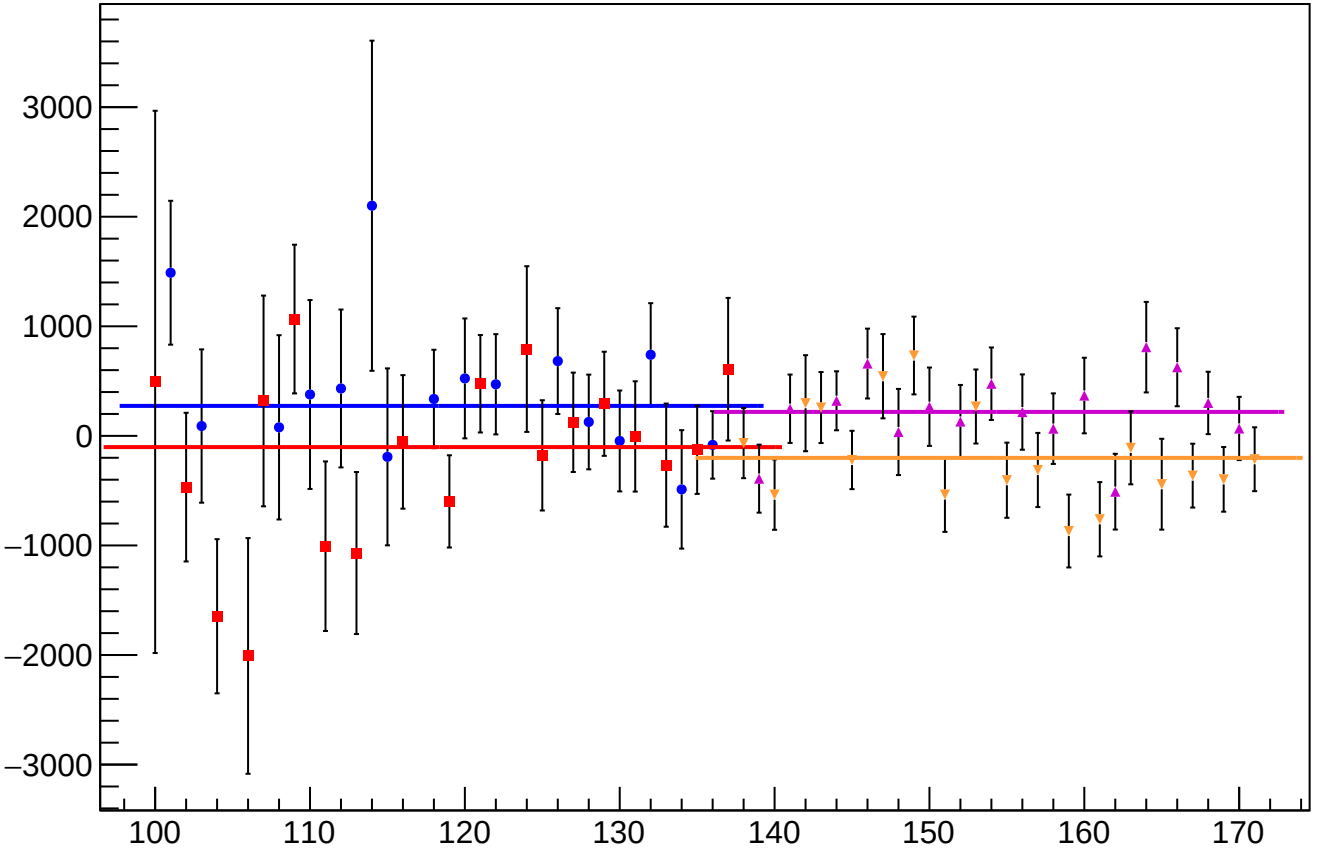
Left In: 2165.079+/-0.425 χ^2/NDF:304168.1/15

+ sign 2333.418+/-0.372 χ^2/NDF: 3490691.8/33

All: 2368.196+/-0.270 χ^2/NDF: 7213143.0/68

- sign 2406.874+/-0.393 χ^2/NDF: 3704026.1/34

eigen_dit_asym_sam2_mean vs Slug



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -200.924+/-77.808 χ^2/NDF:26.5/17

Right Out: -102.368+/-133.606 χ^2/NDF: 21.3/18

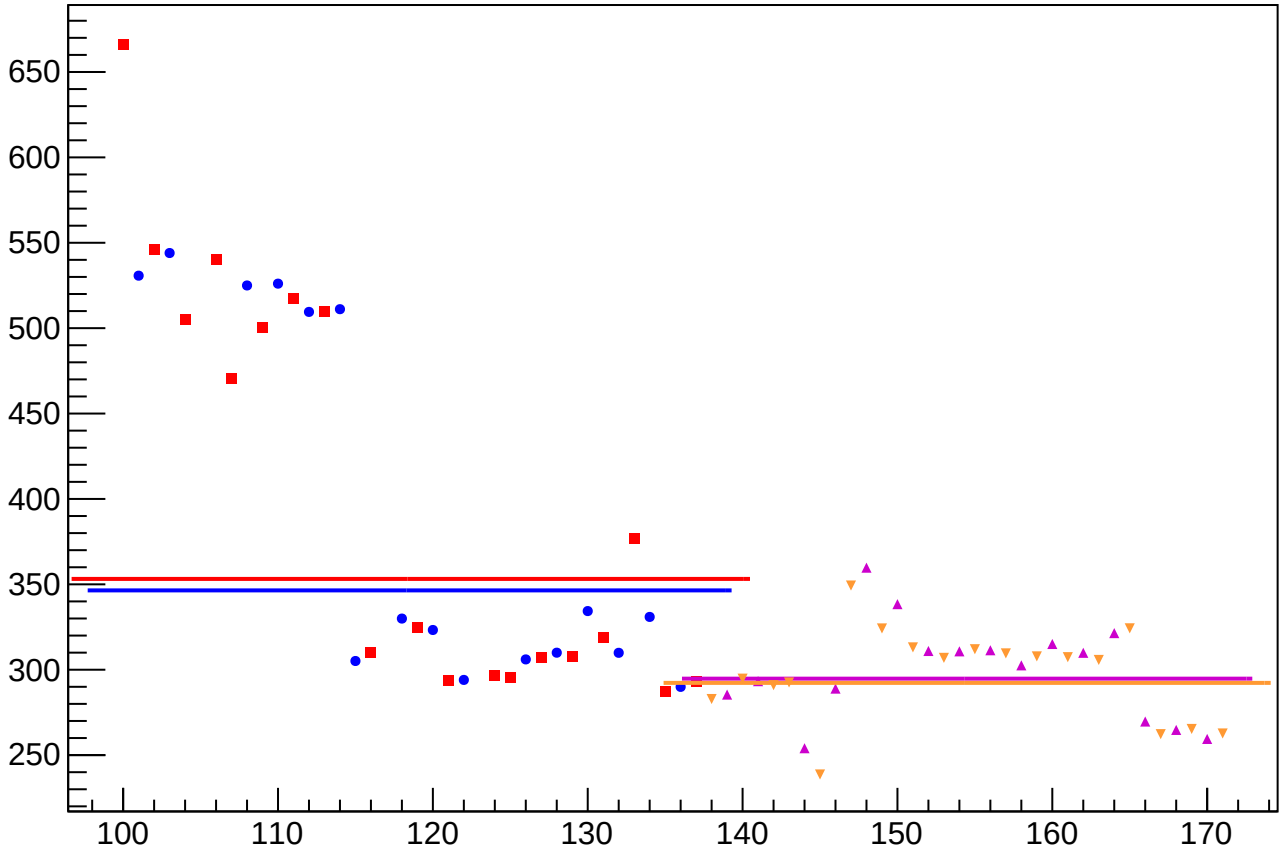
Left In: 218.742+/-81.746 χ^2/NDF:15.4/15

\+ sign -79.302+/-67.099 χ^2/NDF: 47.5/33

All: 21.941+/-48.350 χ^2/NDF: 93.2/68

\- sign 131.277+/-69.730 χ^2/NDF: 40.9/34

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 292.297+/-0.055 χ^2/NDF:248217.6/17

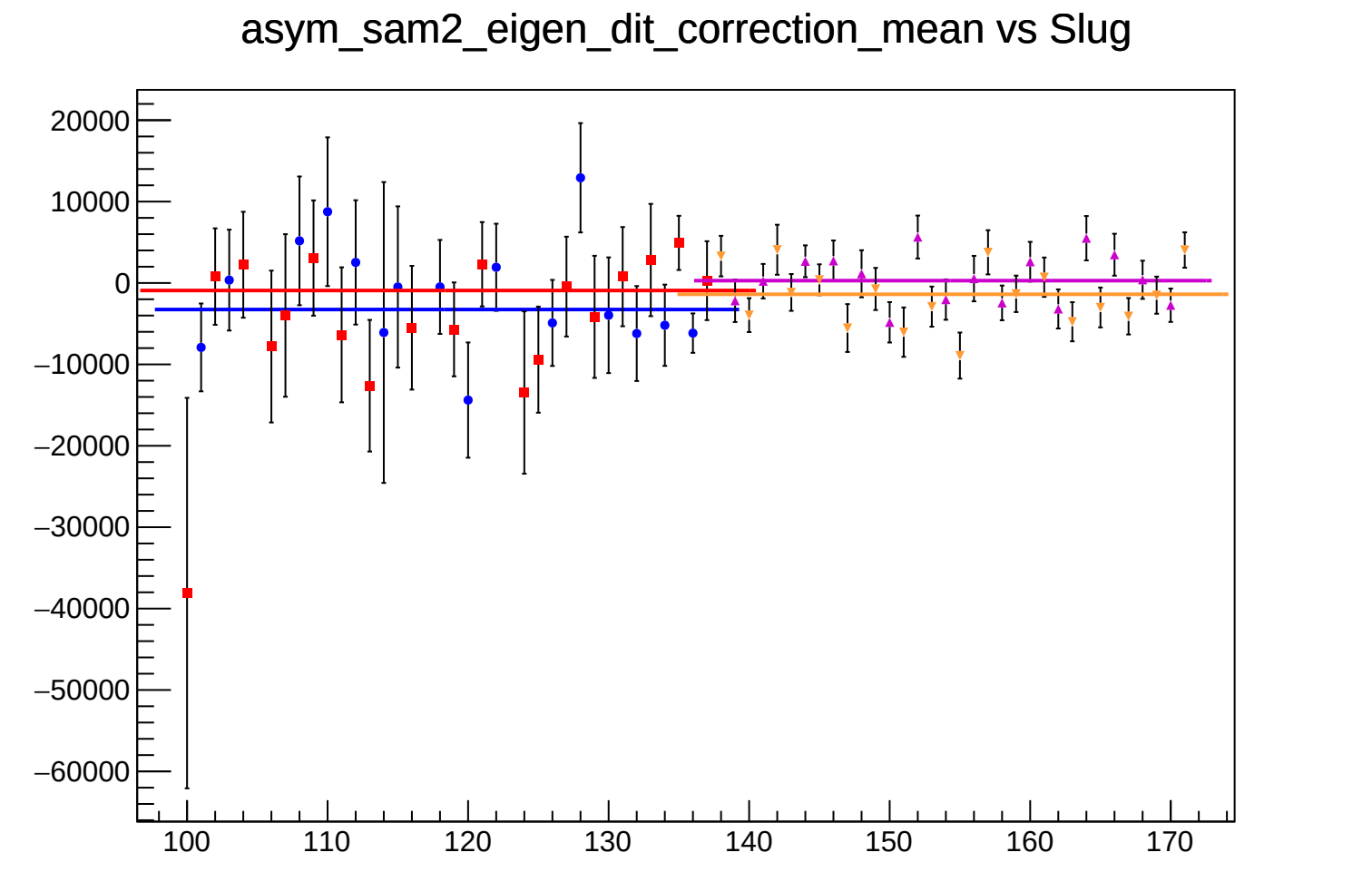
Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 294.766+/-0.058 χ^2/NDF:229157.9/15

+ sign 306.178+/-0.047 χ^2/NDF: 1265308.6/33

All: 308.341+/-0.034 χ^2/NDF: 2643277.3/68

- sign 310.677+/-0.049 χ^2/NDF: 1373646.5/34



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1384.715+/-569.416 χ^2/NDF:35.5/17

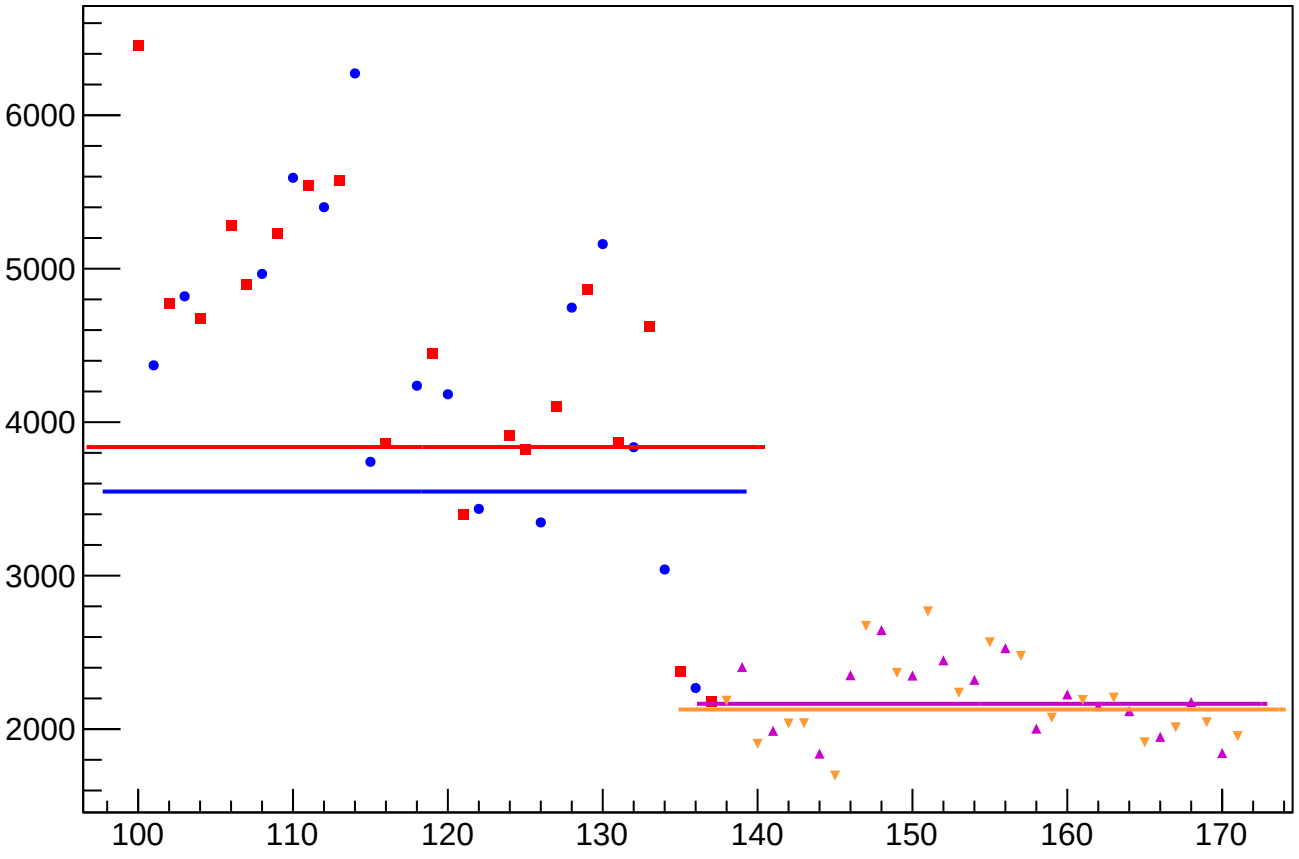
Right Out: -921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 288.834+/-600.425 χ^2/NDF:24.7/15

+ sign -1655.980+/-526.596 χ^2/NDF: 53.1/33

All: -818.010+/-382.118 χ^2/NDF: 98.3/68

- sign 113.938+/-555.341 χ^2/NDF: 39.9/34



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2127.868+/-0.403 χ^2/NDF:431661.8/17

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

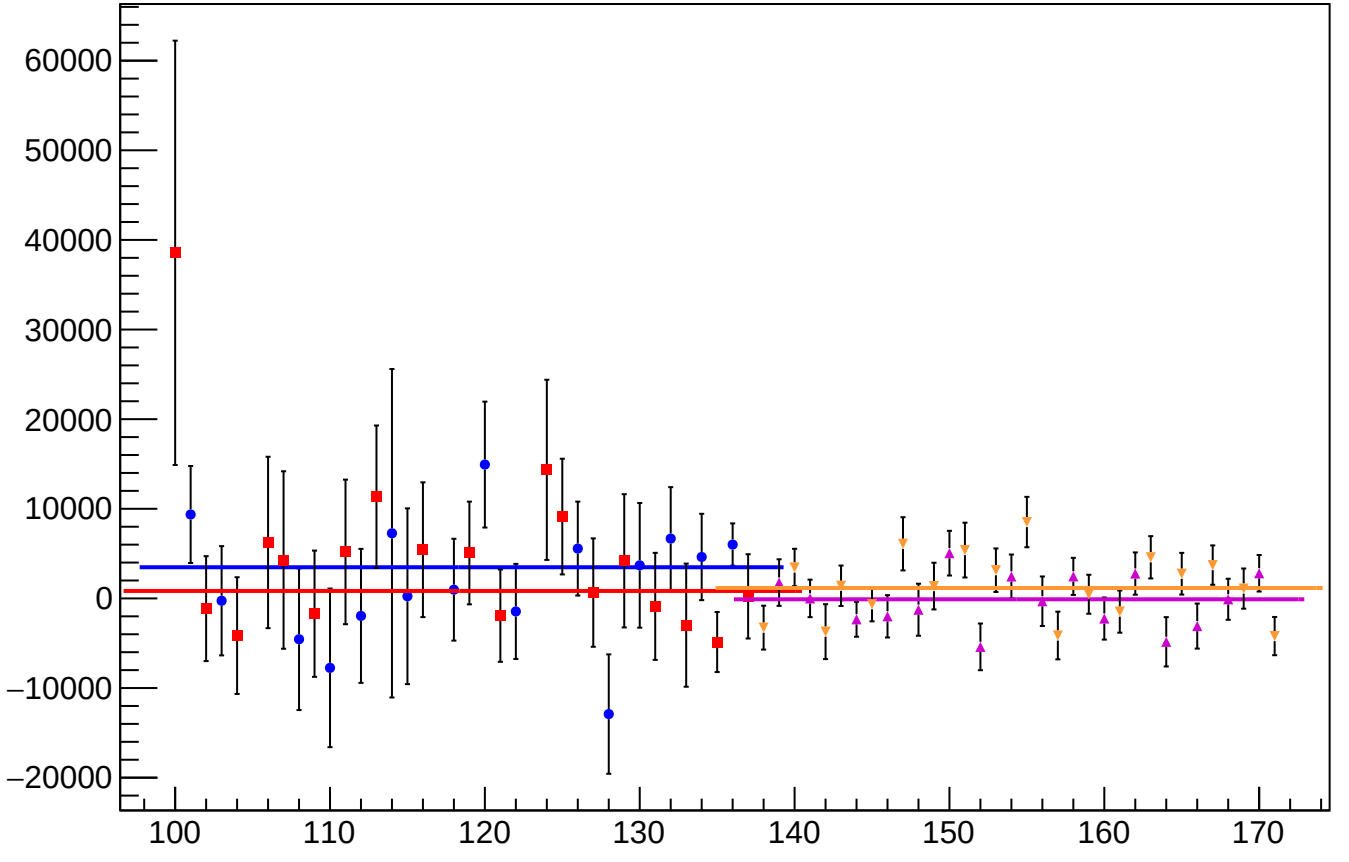
Left In: 2165.078+/-0.425 χ^2/NDF:304172.3/15

+ sign 2333.417+/-0.372 χ^2/NDF: 3490684.0/33

All: 2368.195+/-0.270 χ^2/NDF: 7213126.2/68

- sign 2406.873+/-0.393 χ^2/NDF: 3704017.1/34

asym_sam2_mean vs Slug



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1165.788+/-562.428 χ^2/NDF:35.7/17

Right Out: 832.583+/-1449.649 χ^2/NDF: 14.0/18

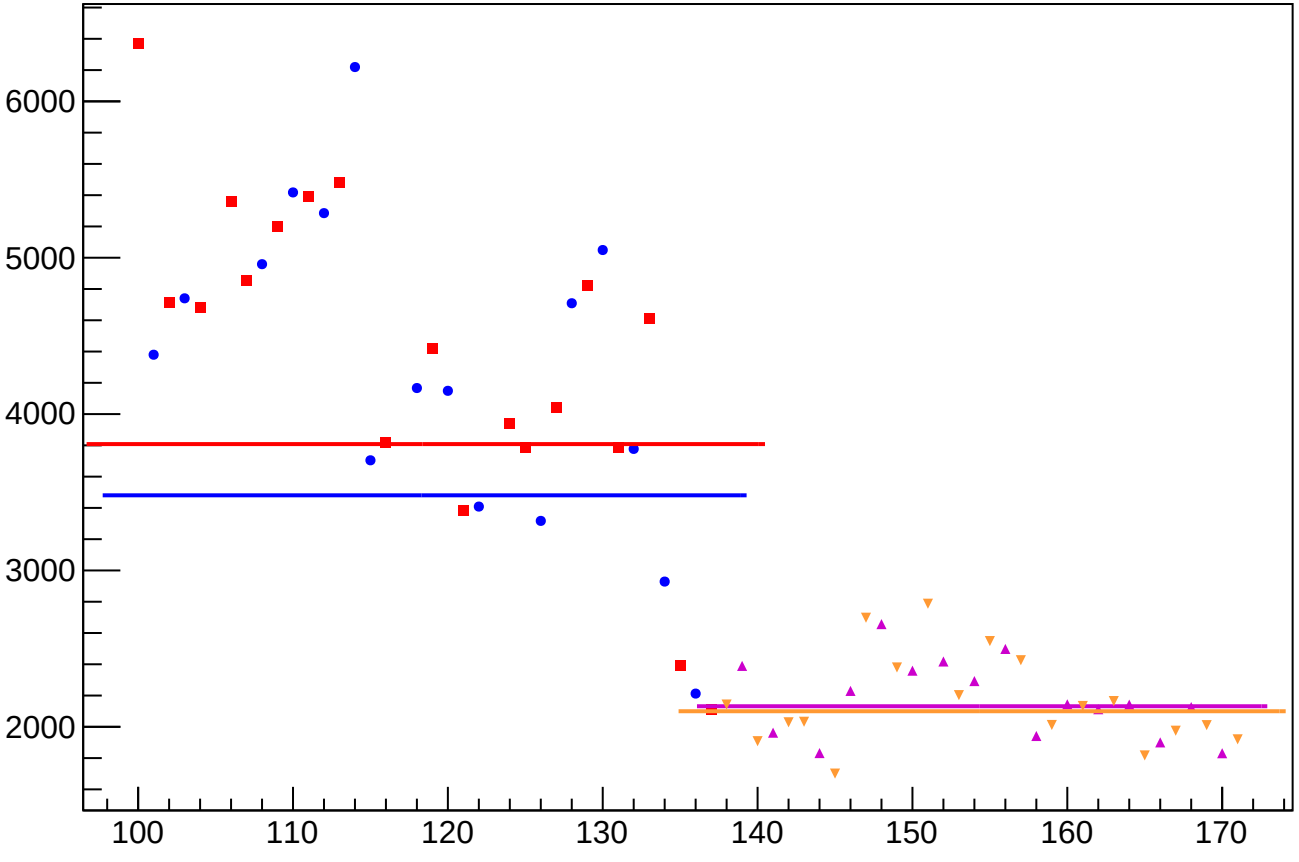
Left In: -98.385+/-591.254 χ^2/NDF:22.4/15

+ sign 1503.381+/-519.757 χ^2/NDF: 54.5/33

All: 807.006+/-376.940 χ^2/NDF: 95.0/68

- sign 34.393+/-547.469 χ^2/NDF: 36.8/34

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2099.671+/-0.398 χ^2/NDF:456163.4/17

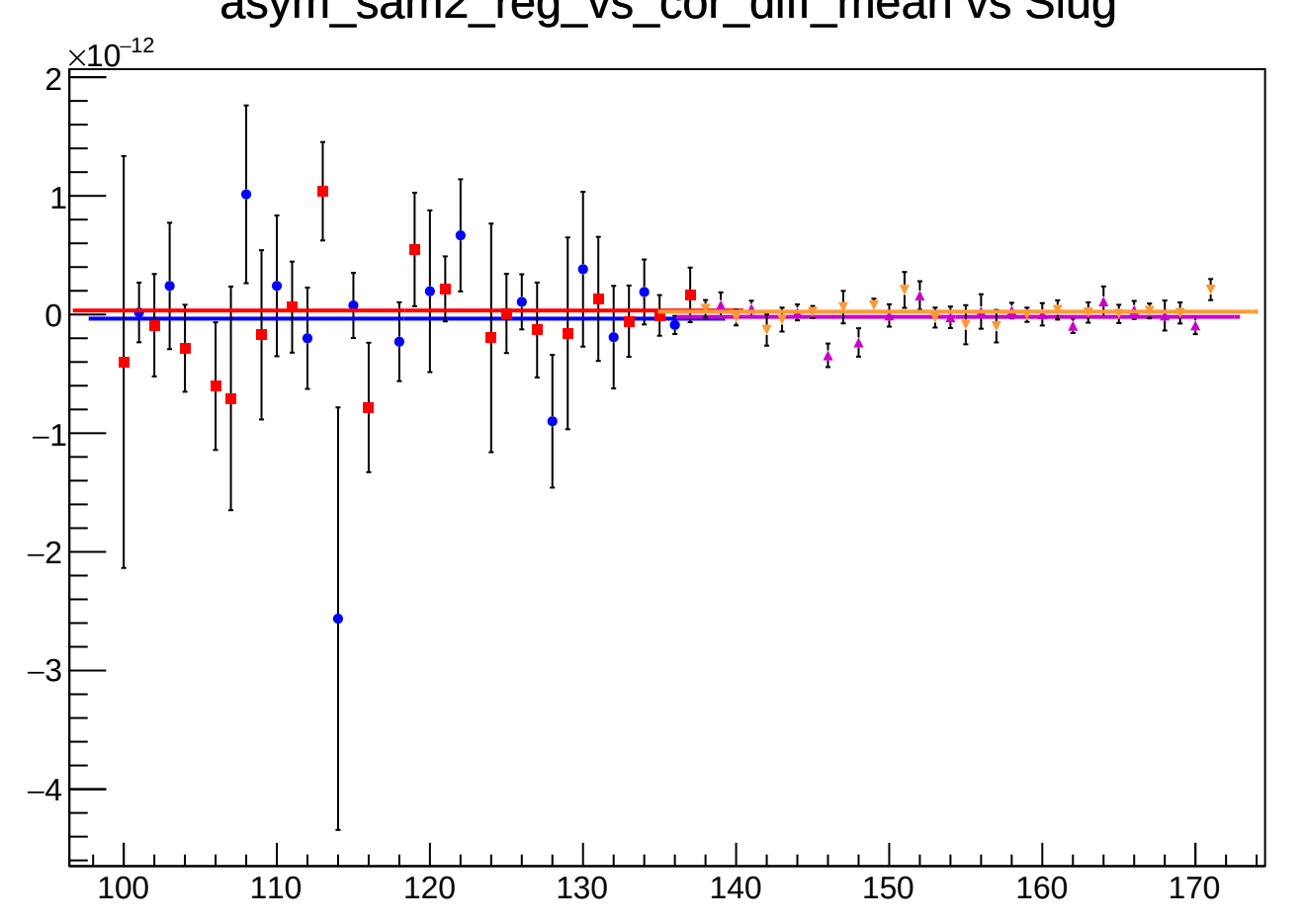
Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2131.609+/-0.418 χ^2/NDF:311249.1/15

+ sign 2301.255+/-0.368 χ^2/NDF: 3512791.9/33

All: 2334.187+/-0.267 χ^2/NDF: 7282073.7/68

- sign 2370.725+/-0.387 χ^2/NDF: 3752344.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/17

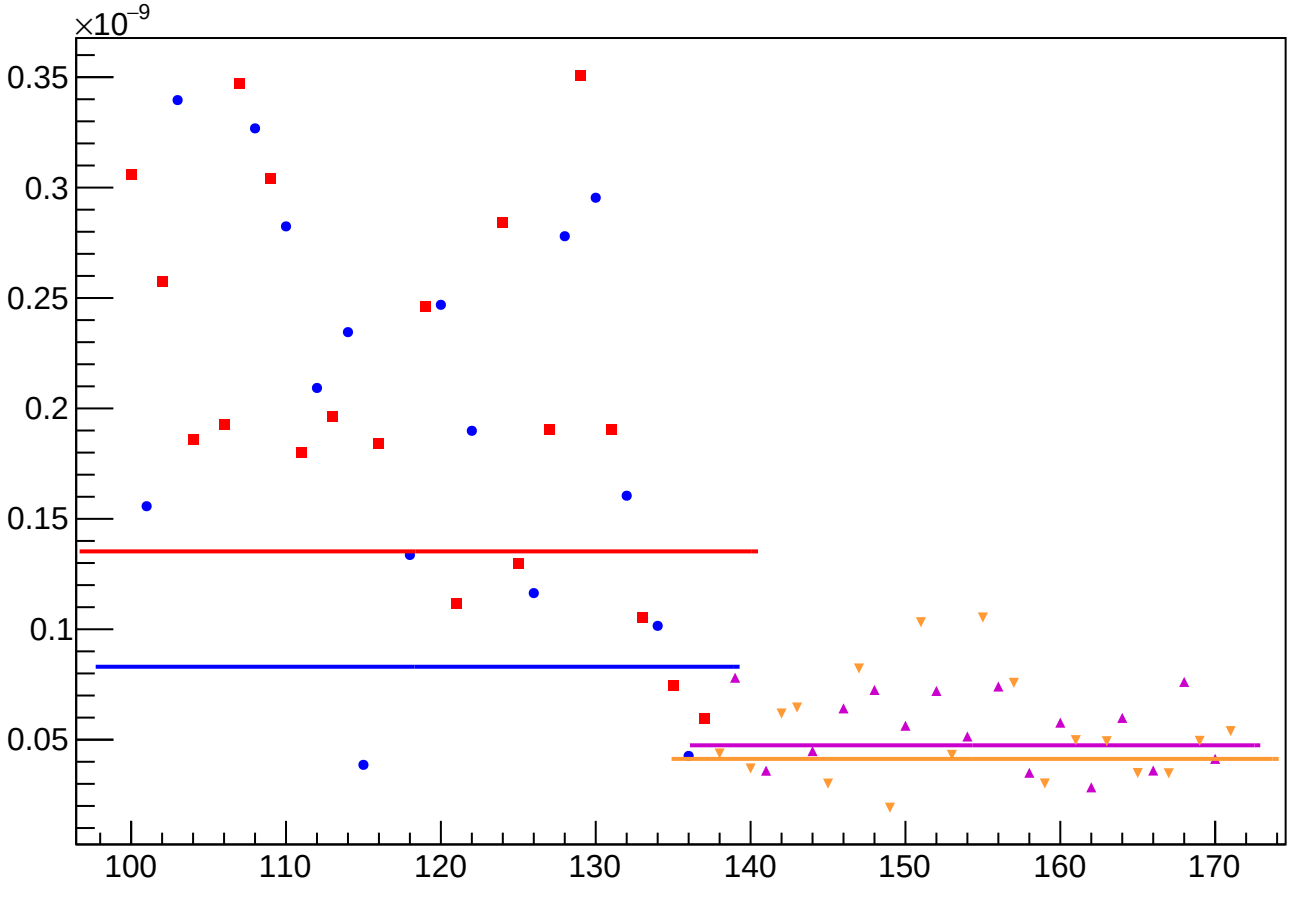
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 24.0/33

All: 0.000+/-0.000 χ^2/NDF: 62.9/68

- sign -0.000+/-0.000 χ^2/NDF: 37.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1718988.4/17

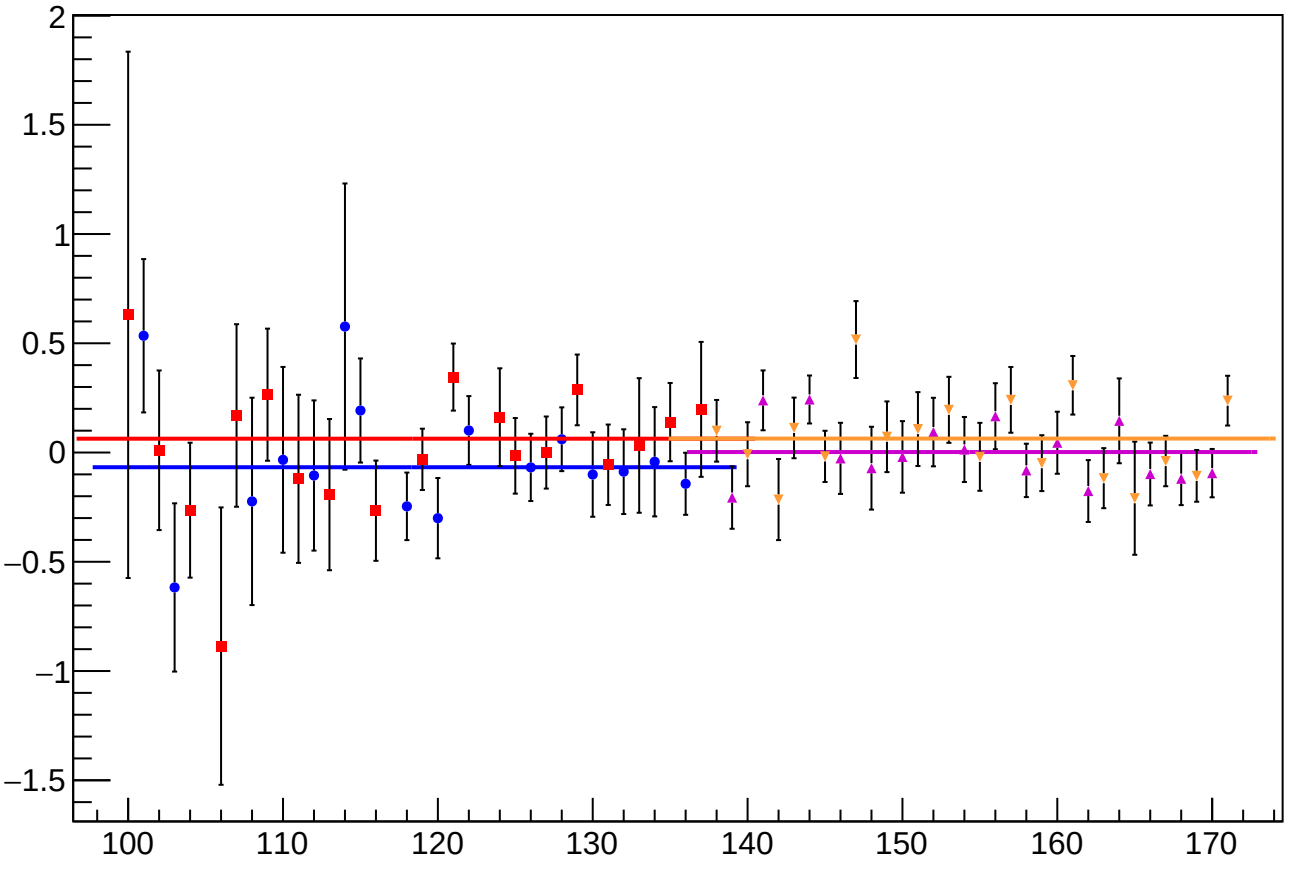
Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1015167.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 5286749.2/33

All: 0.000+/-0.000 χ^2/NDF: 9877694.8/68

- sign 0.000+/-0.000 χ^2/NDF: 4428838.5/34



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

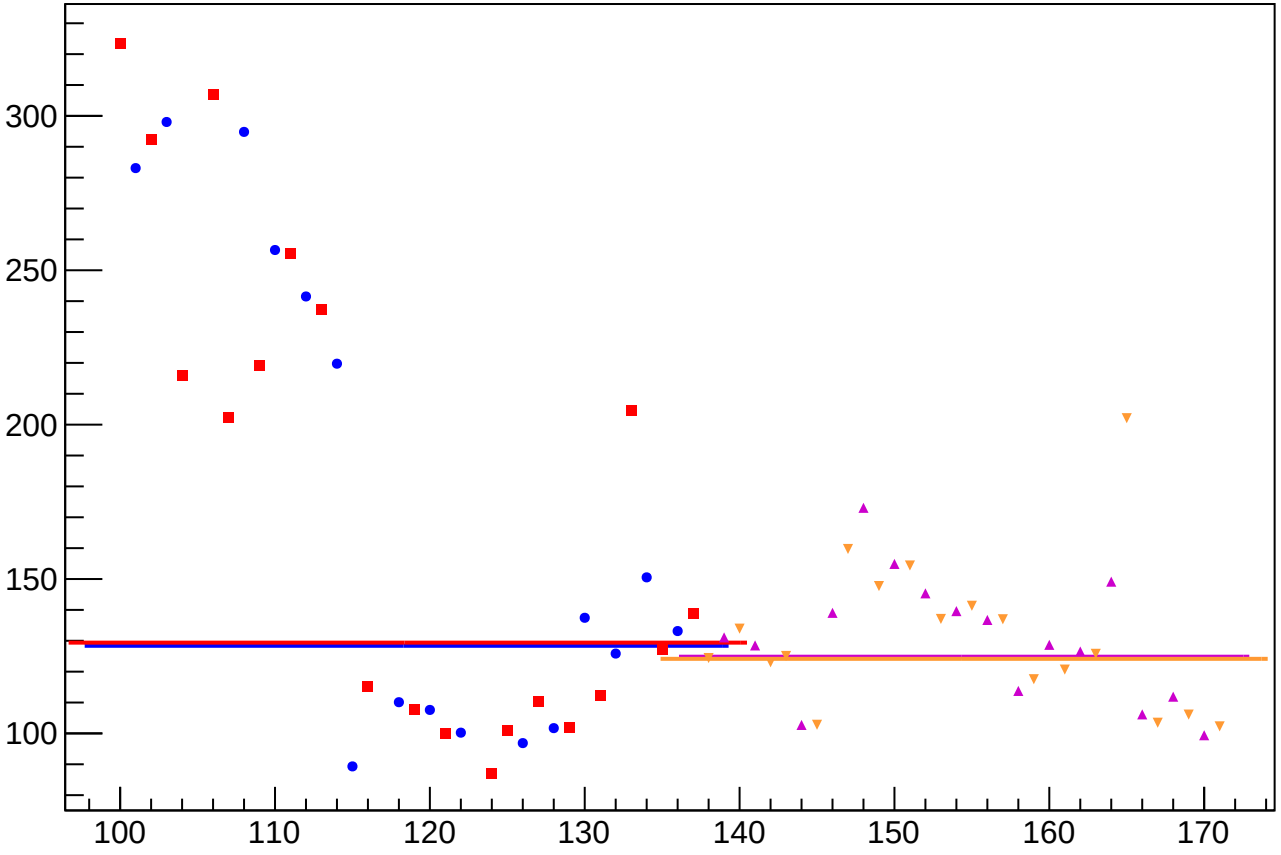
Left In: 0.002+/-0.035 χ^2/NDF:16.6/15

+ sign 0.025+/-0.028 χ^2/NDF: 41.4/33

All: 0.023+/-0.020 χ^2/NDF: 73.0/68

- sign 0.022+/-0.029 χ^2/NDF: 31.6/34

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.152+/-0.024 χ^2/NDF:690309.7/17

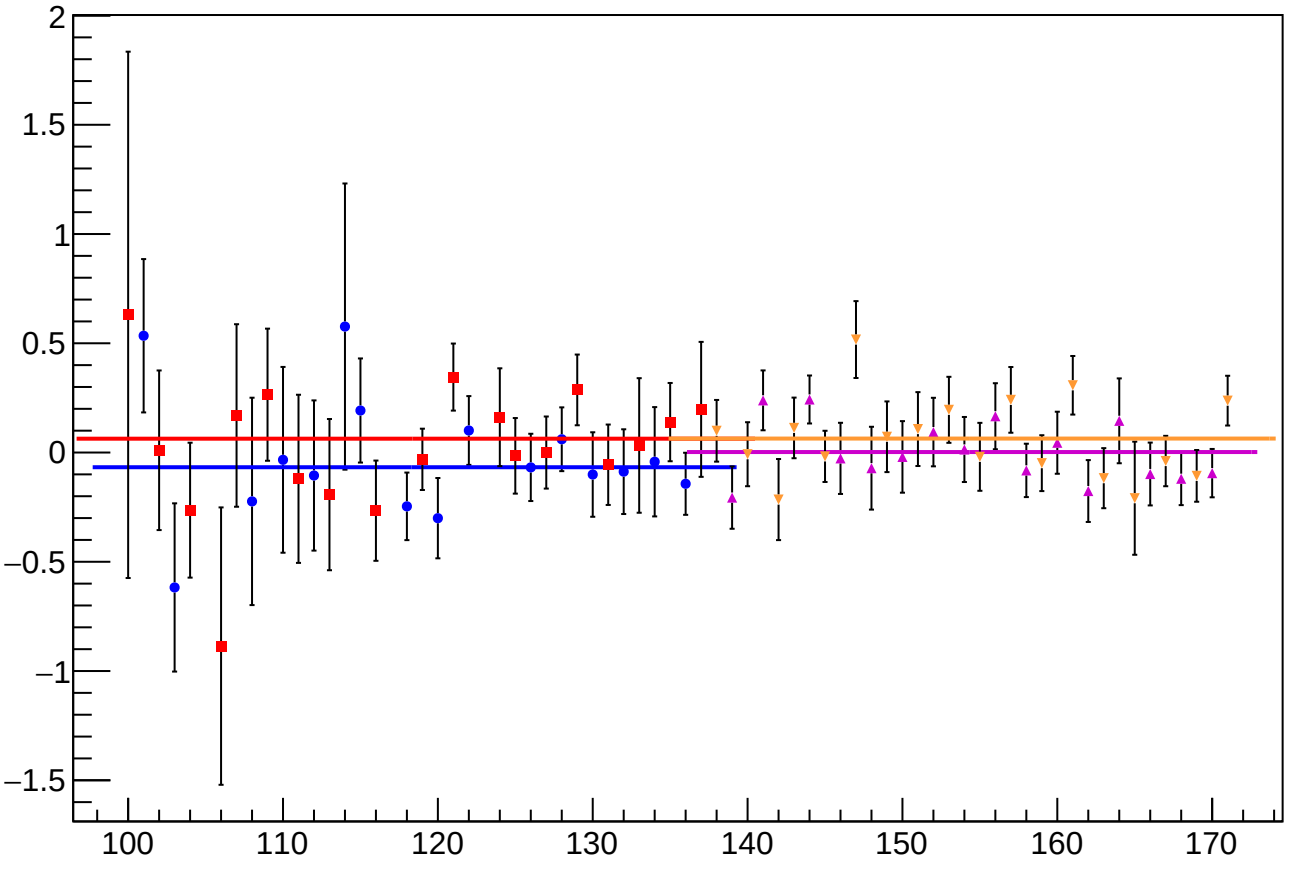
Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 124.840+/-0.025 χ^2/NDF:576660.2/15

+ sign 125.397+/-0.020 χ^2/NDF: 2504799.8/33

All: 125.826+/-0.014 χ^2/NDF: 4981353.6/68

- sign 126.284+/-0.021 χ^2/NDF: 2475589.7/34



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

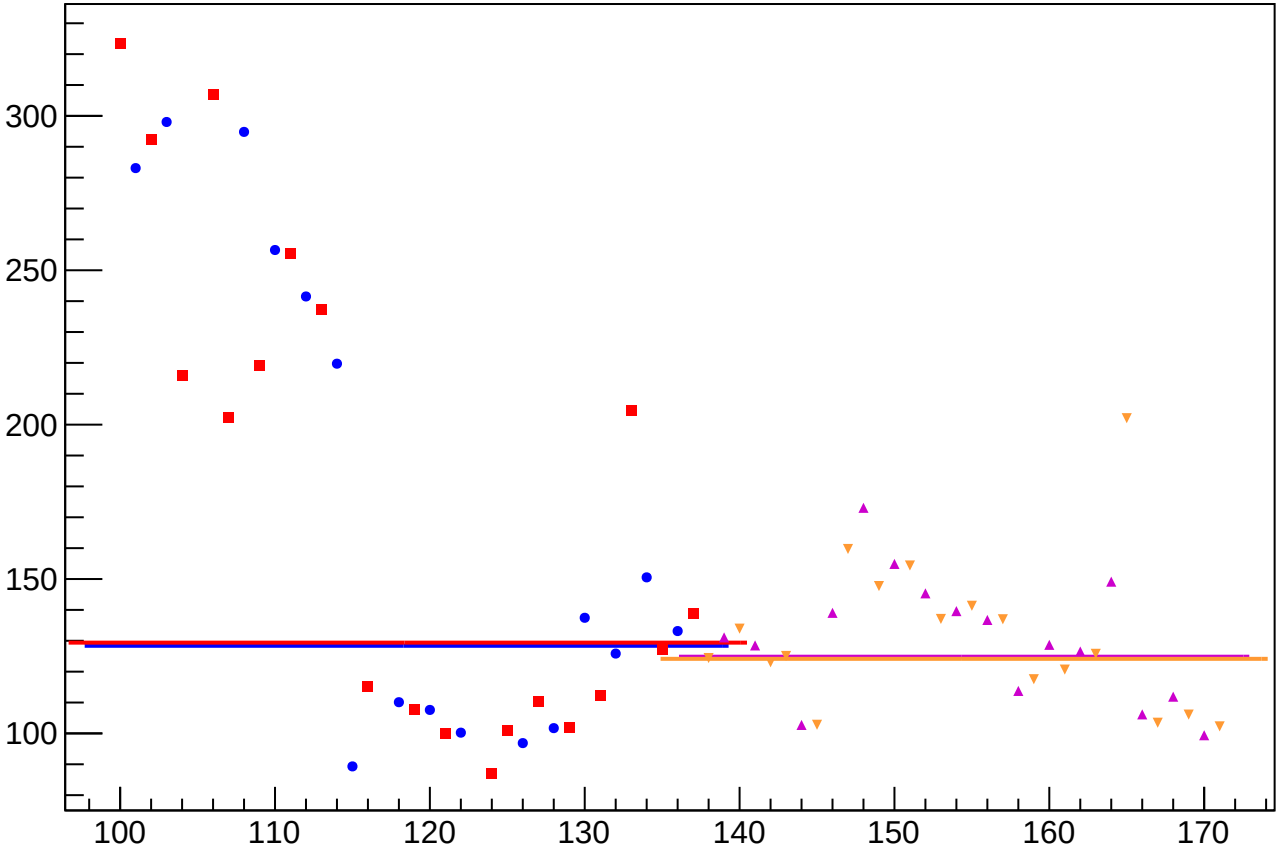
Left In: 0.002+/-0.035 χ^2/NDF:16.6/15

+ sign 0.025+/-0.028 χ^2/NDF: 41.4/33

All: 0.023+/-0.020 χ^2/NDF: 73.0/68

- sign 0.022+/-0.029 χ^2/NDF: 31.6/34

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.152+/-0.024 χ^2/NDF:690309.7/17

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

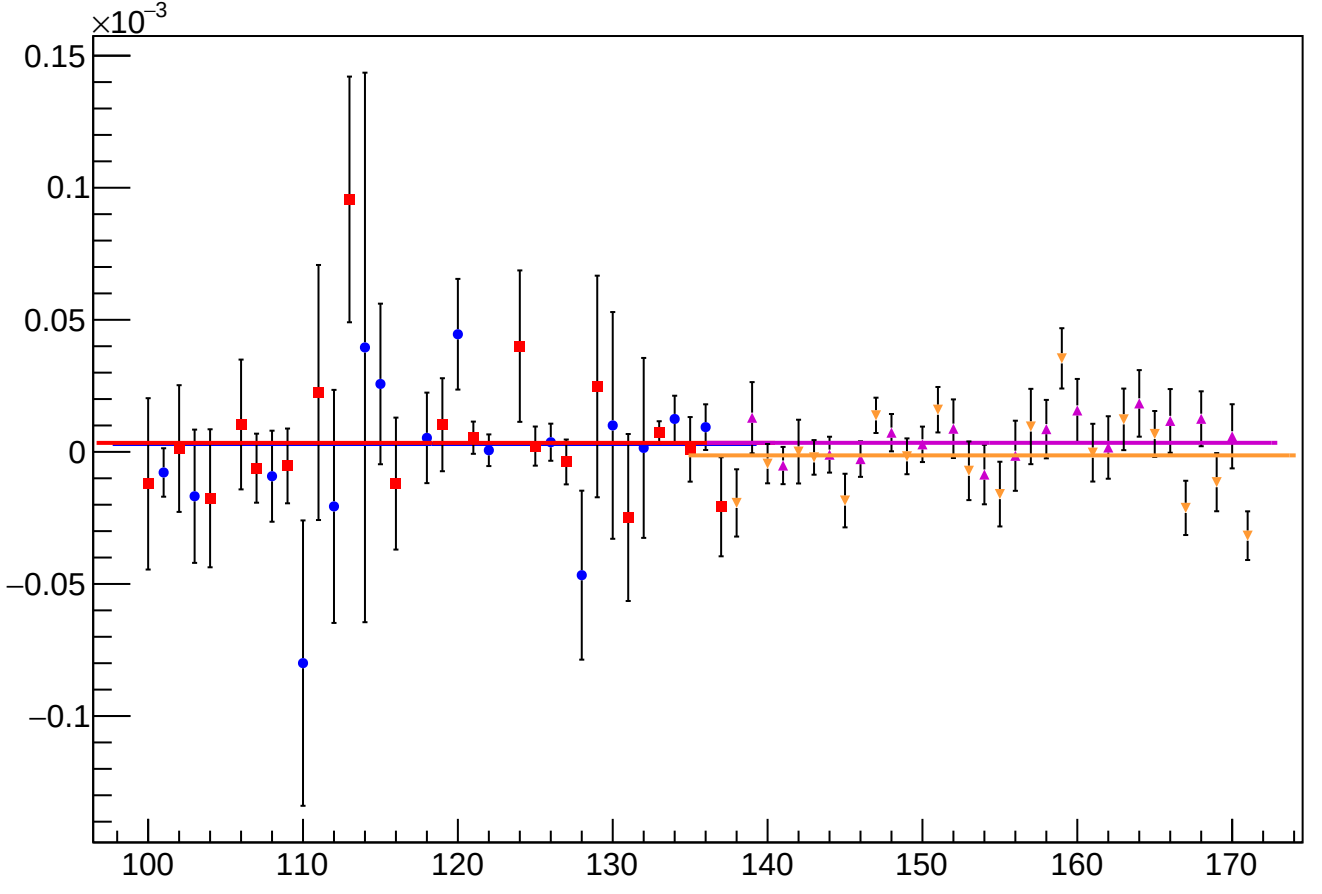
Left In: 124.840+/-0.025 χ^2/NDF:576660.2/15

+ sign 125.397+/-0.020 χ^2/NDF: 2504799.8/33

All: 125.826+/-0.014 χ^2/NDF: 4981353.6/68

- sign 126.284+/-0.021 χ^2/NDF: 2475589.7/34

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:44.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

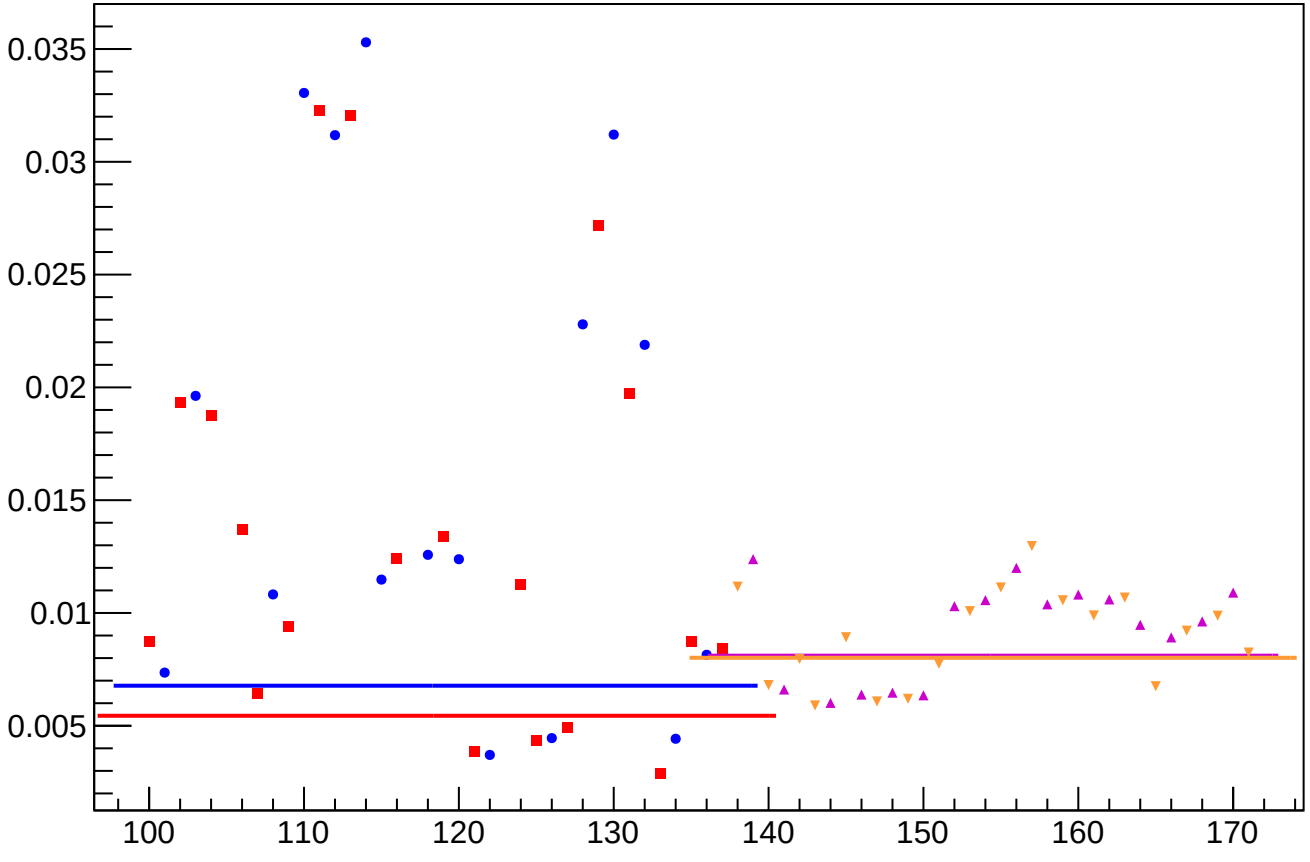
Left In: 0.000+/-0.000 χ^2/NDF:9.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/33

All: 0.000+/-0.000 χ^2/NDF: 83.3/68

- sign 0.000+/-0.000 χ^2/NDF: 21.6/34

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:1545027.0/17

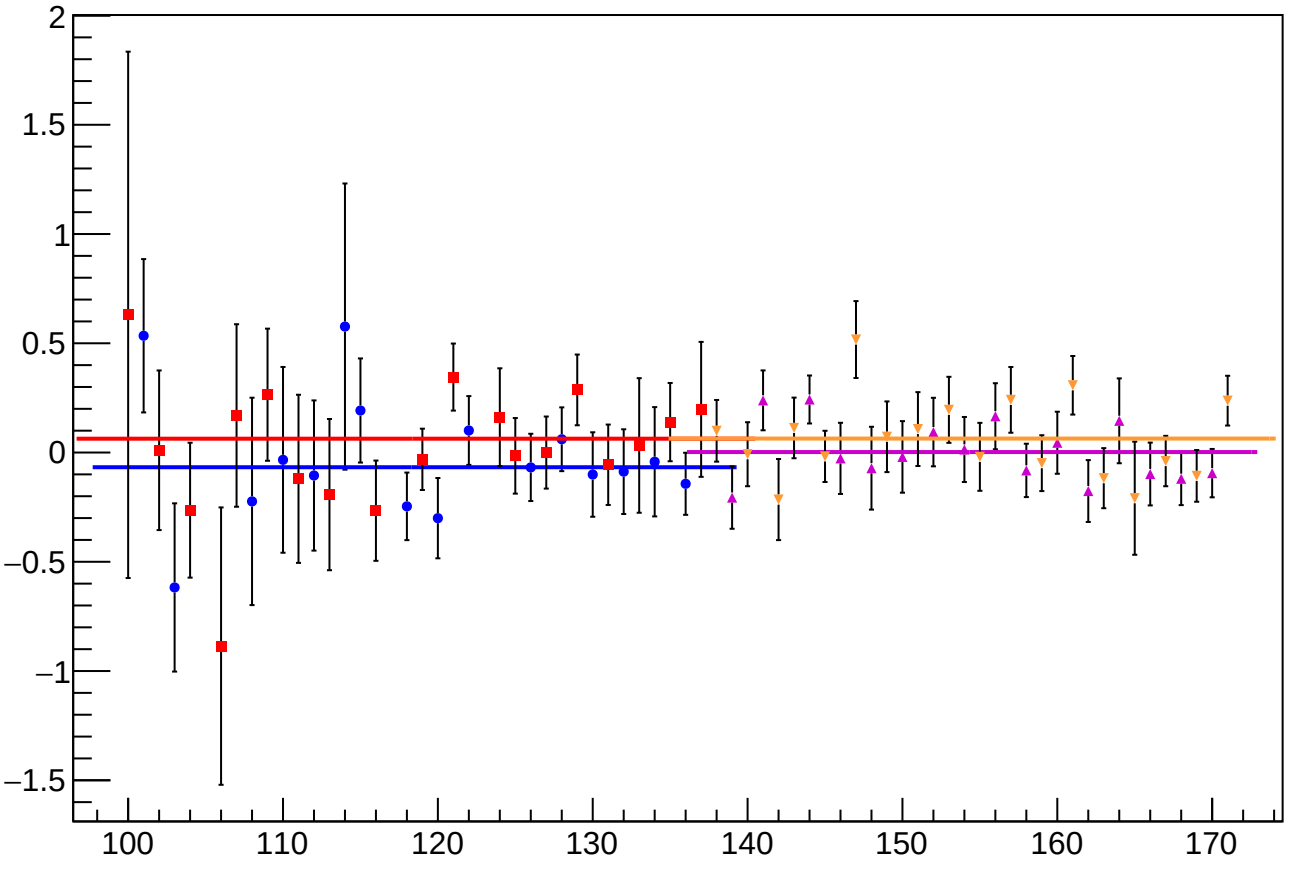
Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1662607.0/15

+ sign 0.008+/-0.000 χ^2/NDF: 6526120.6/33

All: 0.007+/-0.000 χ^2/NDF: 15082202.0/68

- sign 0.007+/-0.000 χ^2/NDF: 8404759.8/34



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

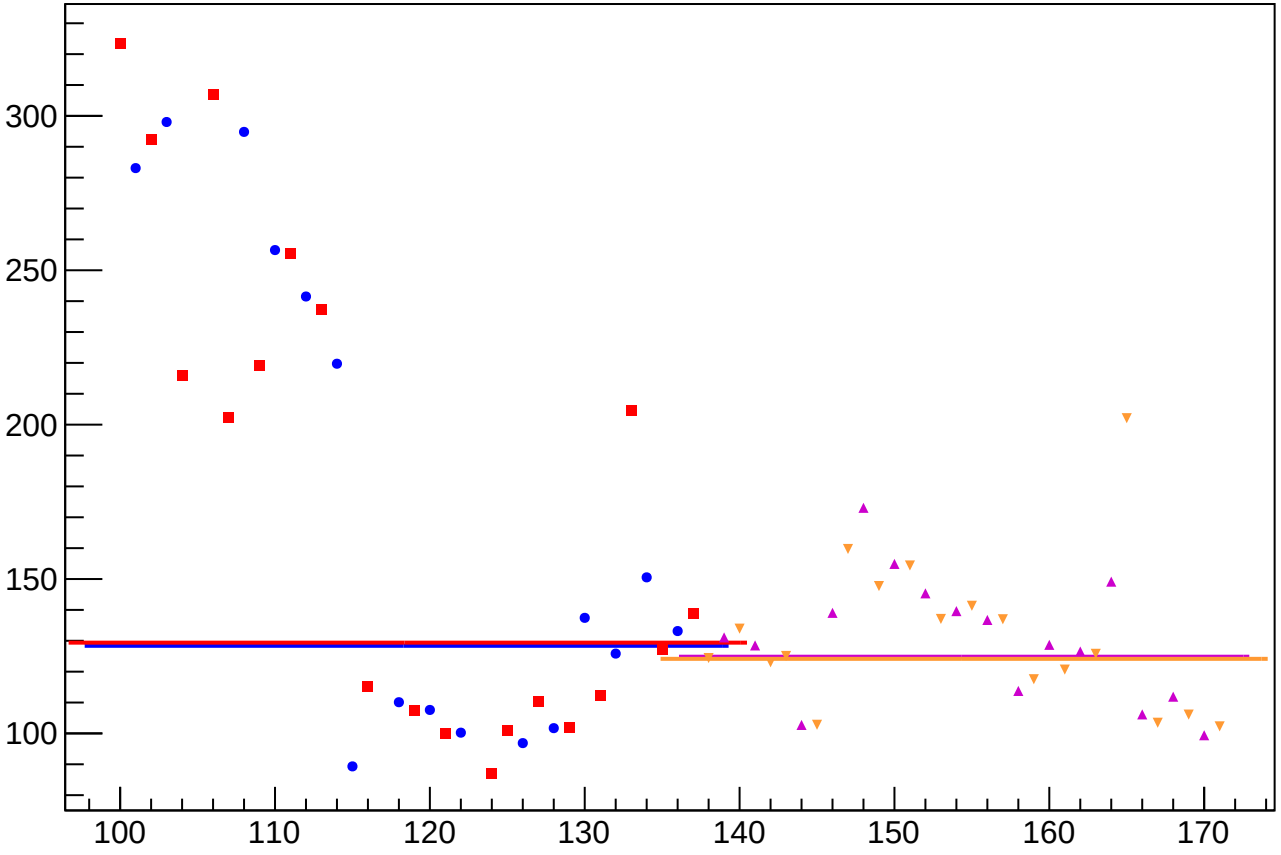
Left In: 0.002+/-0.035 χ^2/NDF:16.6/15

+ sign 0.025+/-0.028 χ^2/NDF: 41.4/33

All: 0.023+/-0.020 χ^2/NDF: 73.0/68

- sign 0.022+/-0.029 χ^2/NDF: 31.6/34

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.151+/-0.024 χ^2/NDF:690364.6/17

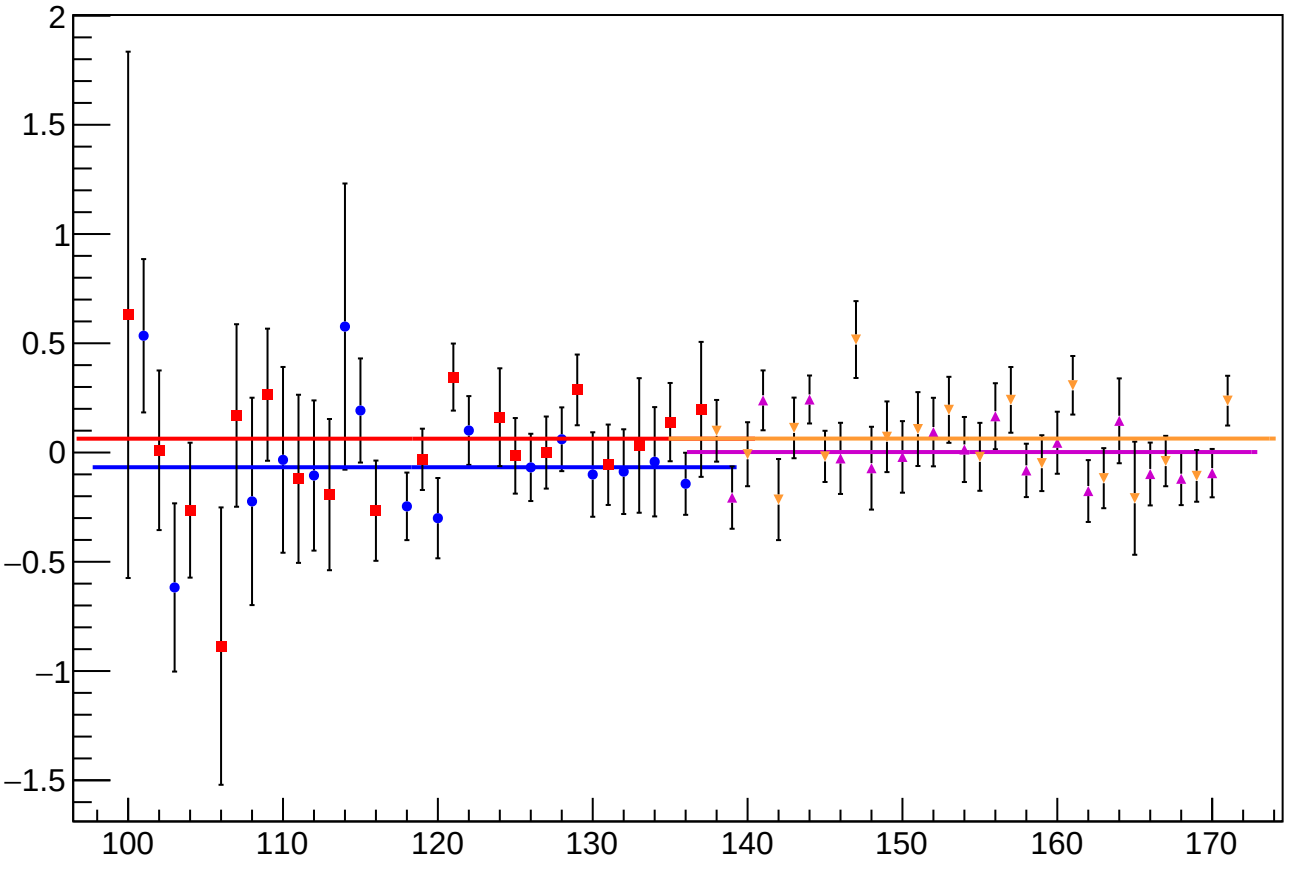
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 124.840+/-0.025 χ^2/NDF:576700.7/15

+ sign 125.396+/-0.020 χ^2/NDF: 2504791.6/33

All: 125.824+/-0.014 χ^2/NDF: 4981374.9/68

- sign 126.283+/-0.021 χ^2/NDF: 2475619.6/34



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

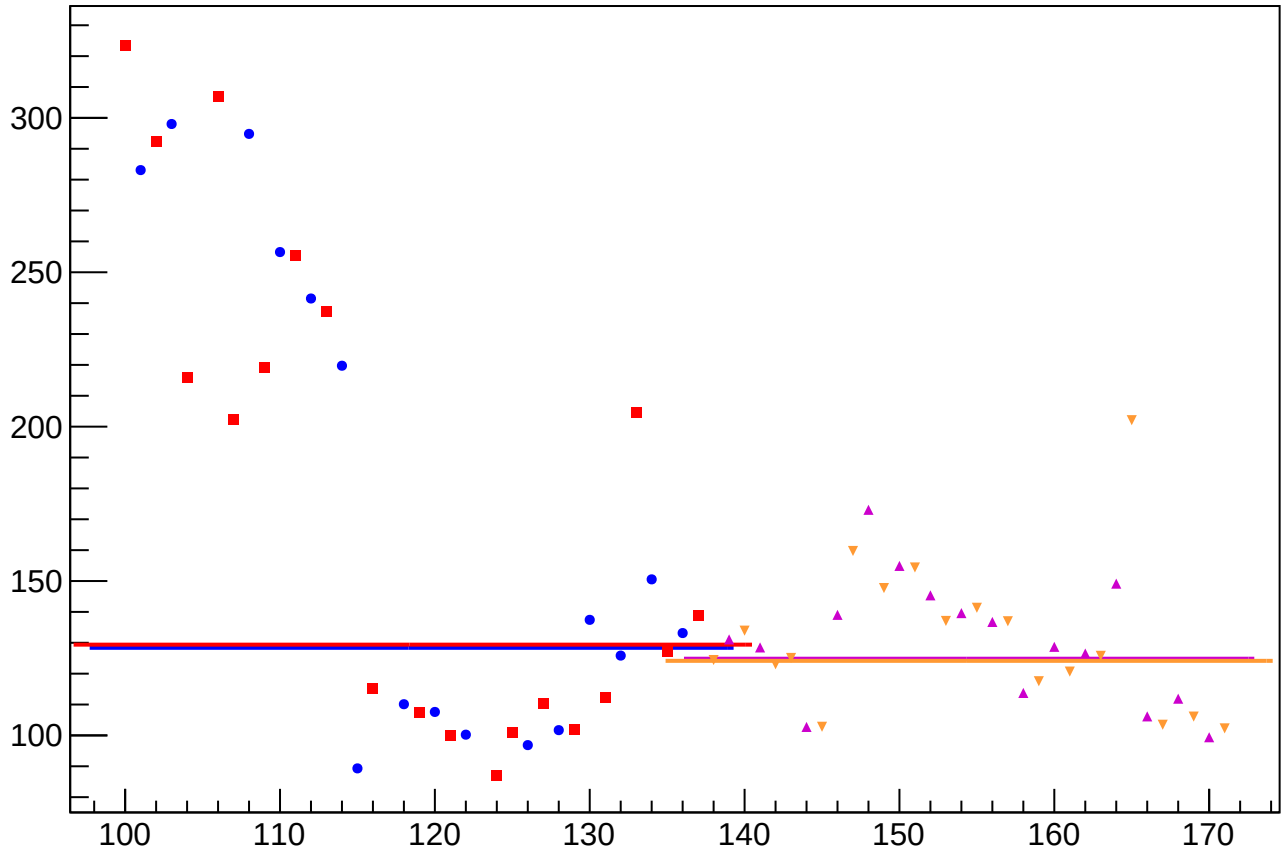
Right Out: 0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.002+/-0.035 χ^2/NDF:16.6/15

+ sign 0.025+/-0.028 χ^2/NDF: 41.4/33

All: 0.023+/-0.020 χ^2/NDF: 73.0/68

- sign 0.022+/-0.029 χ^2/NDF: 31.6/34



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.151+/-0.024 χ^2/NDF:690364.6/17

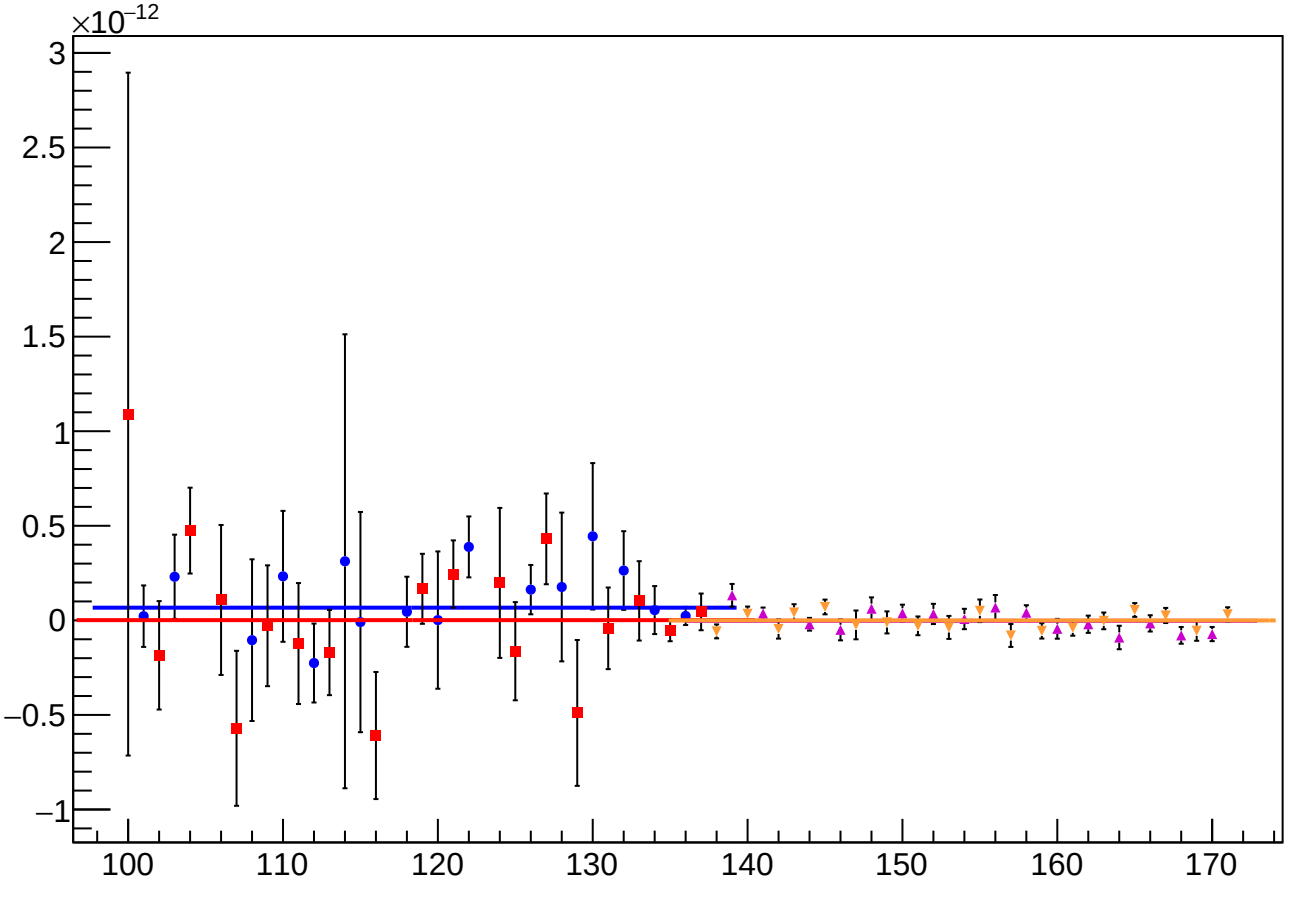
Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 124.840+/-0.025 χ^2/NDF:576700.7/15

+ sign 125.396+/-0.020 χ^2/NDF: 2504791.6/33

All: 125.824+/-0.014 χ^2/NDF: 4981374.9/68

- sign 126.283+/-0.021 χ^2/NDF: 2475619.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

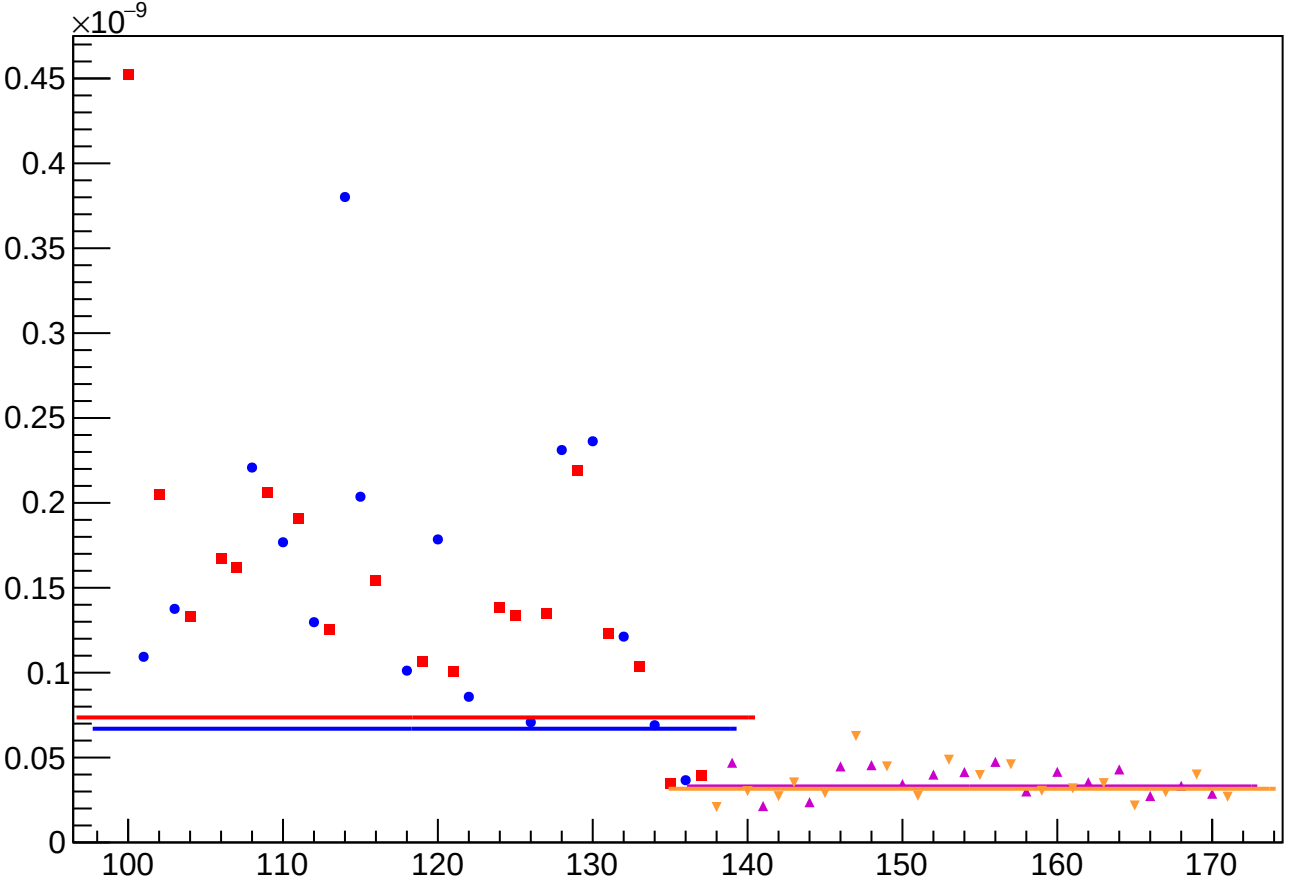
Left In: -0.000+/-0.000 χ^2/NDF:21.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 32.5/33

All: 0.000+/-0.000 χ^2/NDF: 75.1/68

- sign -0.000+/-0.000 χ^2/NDF: 42.4/34

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214018.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

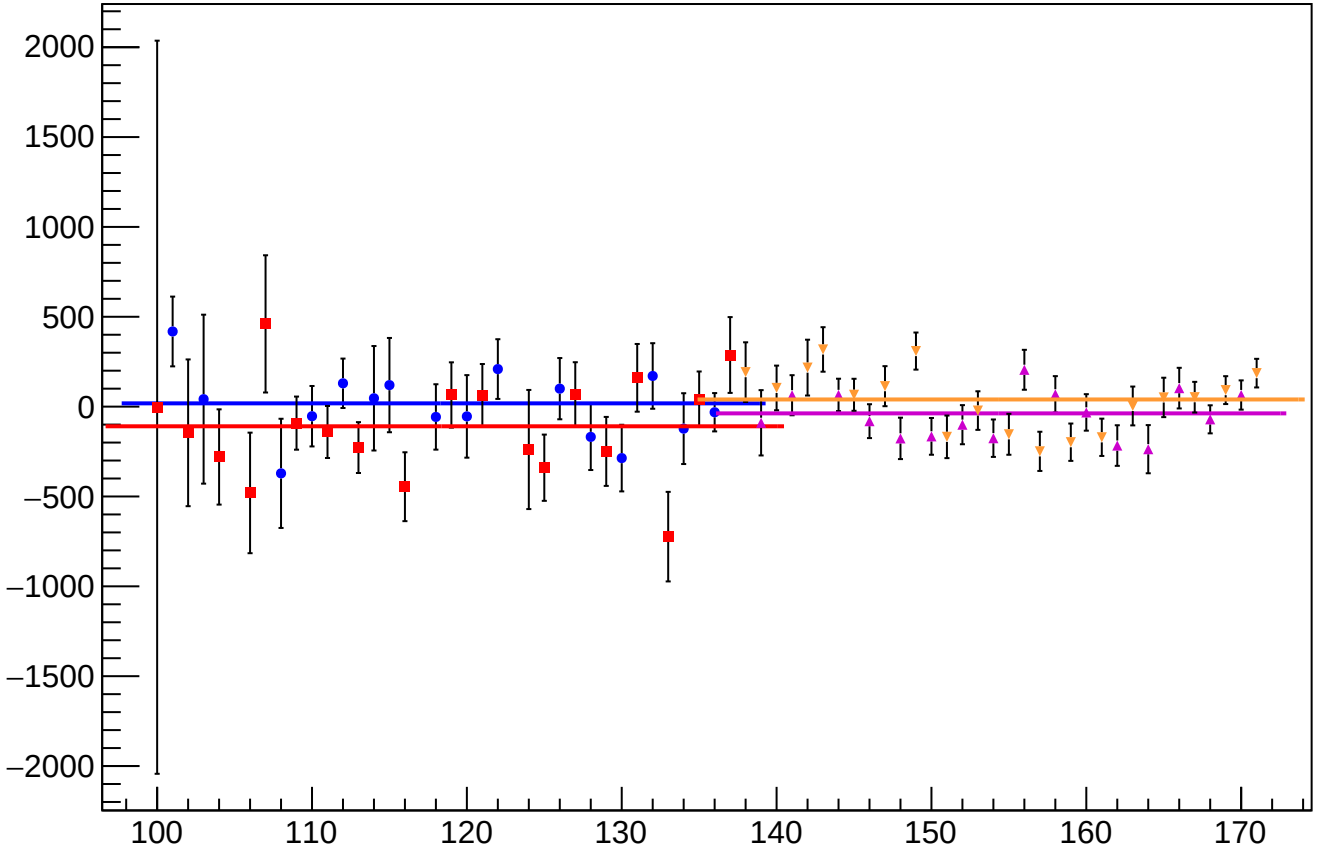
Left In: 0.000+/-0.000 χ^2/NDF:1071468.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 6158568.2/33

All: 0.000+/-0.000 χ^2/NDF: 12873444.3/68

- sign 0.000+/-0.000 χ^2/NDF: 6689887.8/34

reg_asym_sam3_mean vs Slug



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.855+/-24.671 χ^2/NDF:41.4/17

Right Out: -109.432+/-45.825 χ^2/NDF: 25.5/18

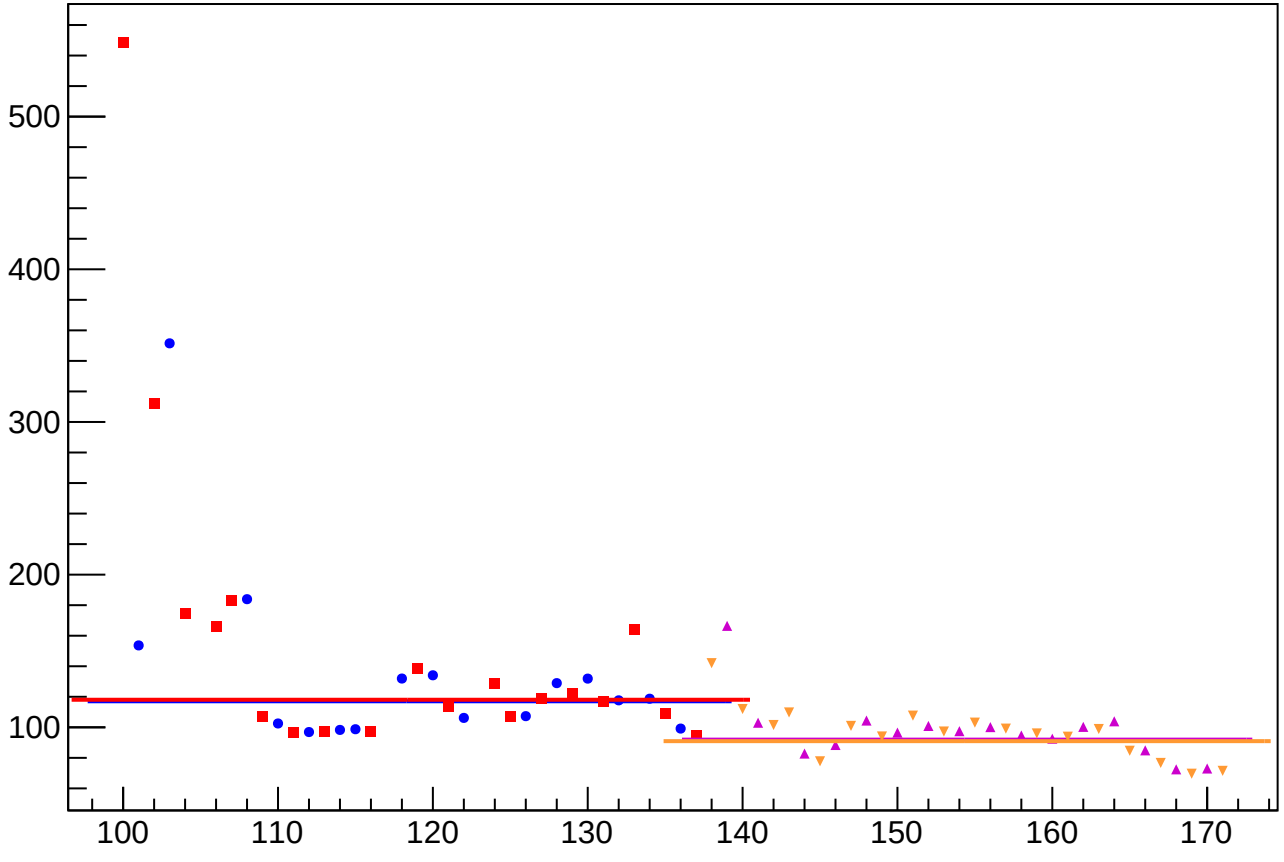
Left In: -37.566+/-25.847 χ^2/NDF:21.4/15

+ sign 34.970+/-21.710 χ^2/NDF: 55.5/33

All: -8.339+/-15.627 χ^2/NDF: 112.5/68

- sign -54.912+/-22.513 χ^2/NDF: 48.8/34

reg_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.5/17

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

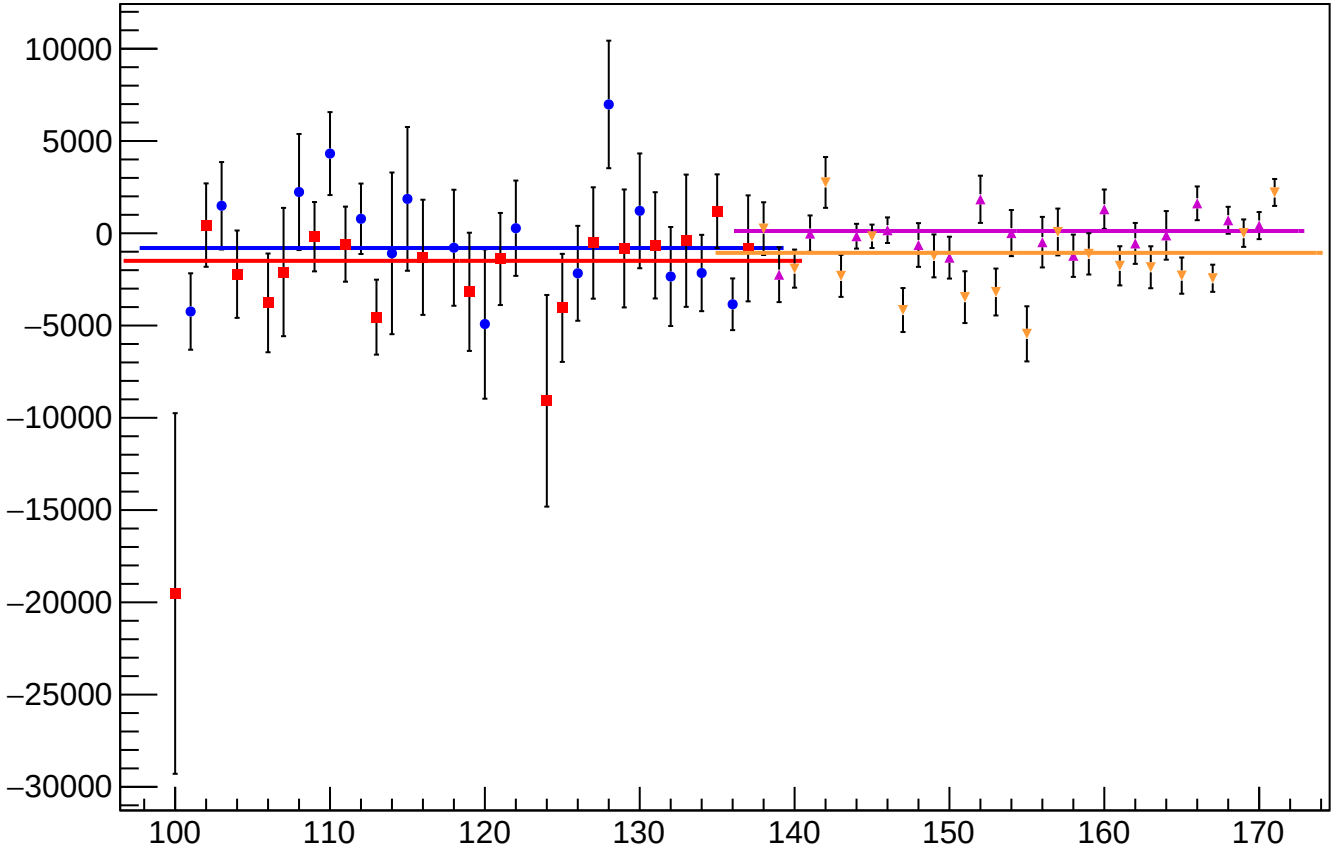
Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

+ sign 96.838+/-0.015 χ^2/NDF: 2158909.3/33

All: 97.516+/-0.011 χ^2/NDF: 4351688.0/68

- sign 98.245+/-0.016 χ^2/NDF: 2188726.8/34

asym_sam3_reg_correction_mean vs Slug



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1061.290+/-236.501 χ^2/NDF:62.5/17

Right Out: -1493.897+/-613.097 χ^2/NDF: 12.9/18

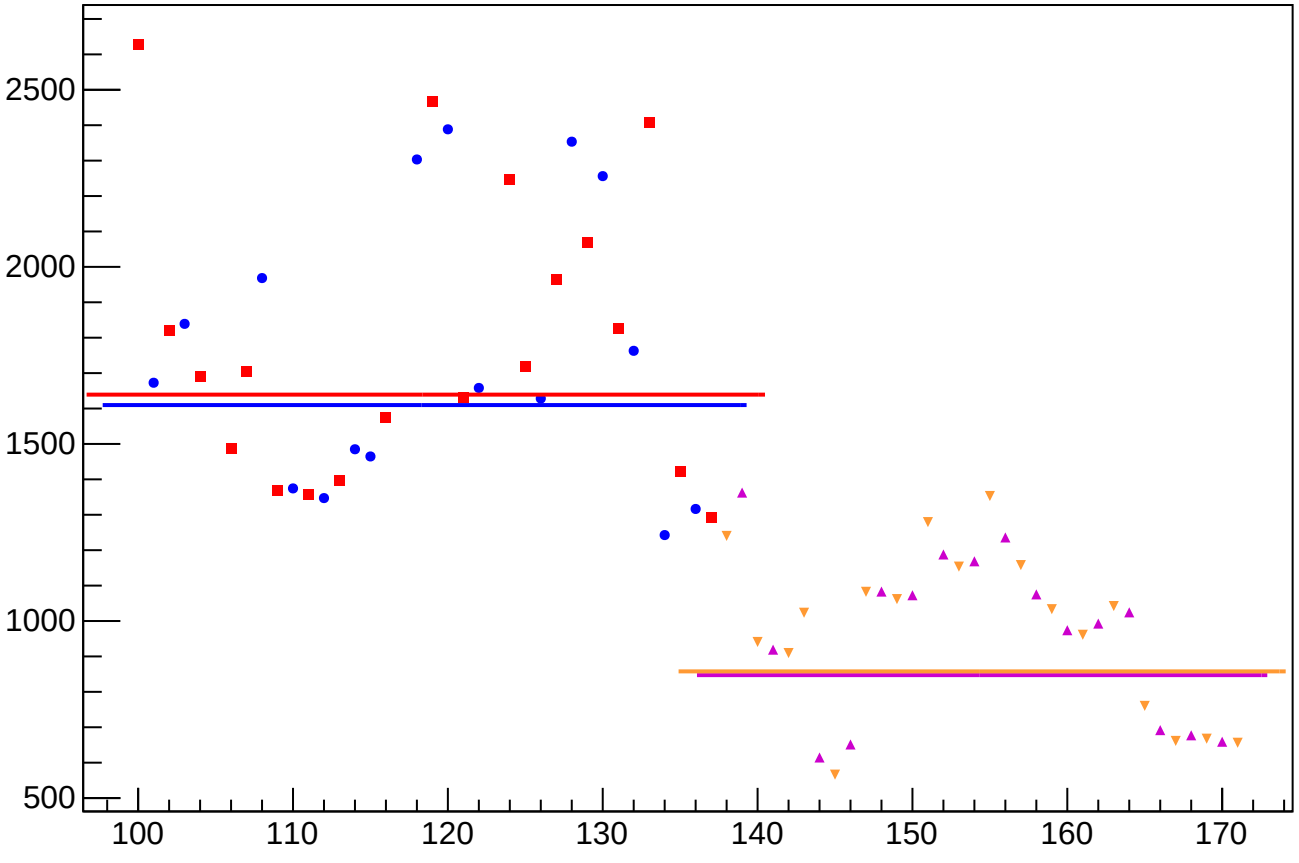
Left In: 123.249+/-242.420 χ^2/NDF:13.2/15

+ sign -1027.613+/-220.788 χ^2/NDF: 86.1/33

All: -571.215+/-157.739 χ^2/NDF: 127.0/68

- sign -95.397+/-225.437 χ^2/NDF: 32.2/34

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 857.777+/-0.167 χ^2/NDF:1942143.7/17

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

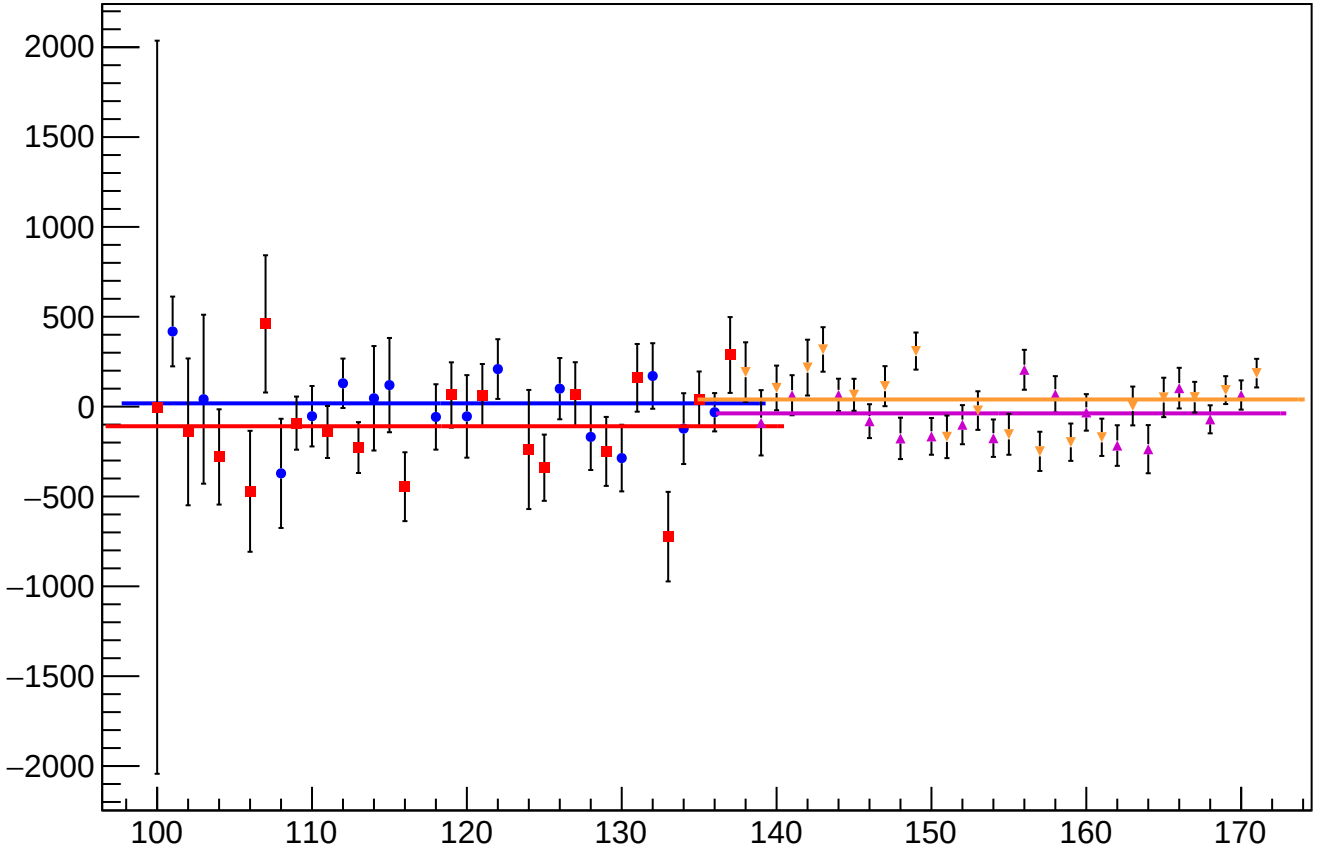
Left In: 847.191+/-0.171 χ^2/NDF:1719562.9/15

+ sign 954.382+/-0.156 χ^2/NDF: 5158932.5/33

All: 954.332+/-0.112 χ^2/NDF: 10285298.6/68

- sign 954.280+/-0.159 χ^2/NDF: 5126366.0/34

cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.859+/-24.671 χ^2/NDF:41.4/17

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

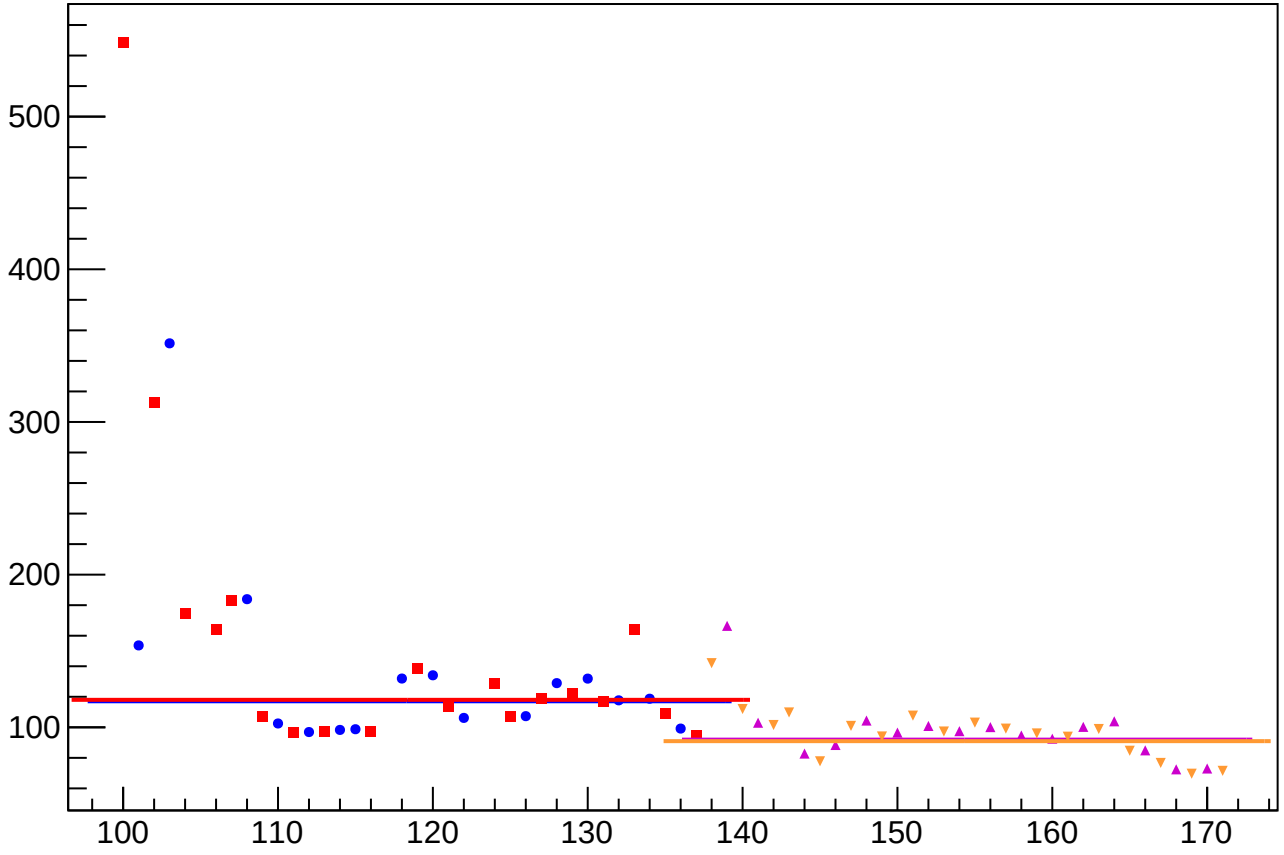
Left In: -37.565+/-25.848 χ^2/NDF:21.4/15

+ sign 34.970+/-21.710 χ^2/NDF: 55.5/33

All: -8.304+/-15.628 χ^2/NDF: 112.4/68

- sign -54.841+/-22.513 χ^2/NDF: 48.7/34

cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.4/17

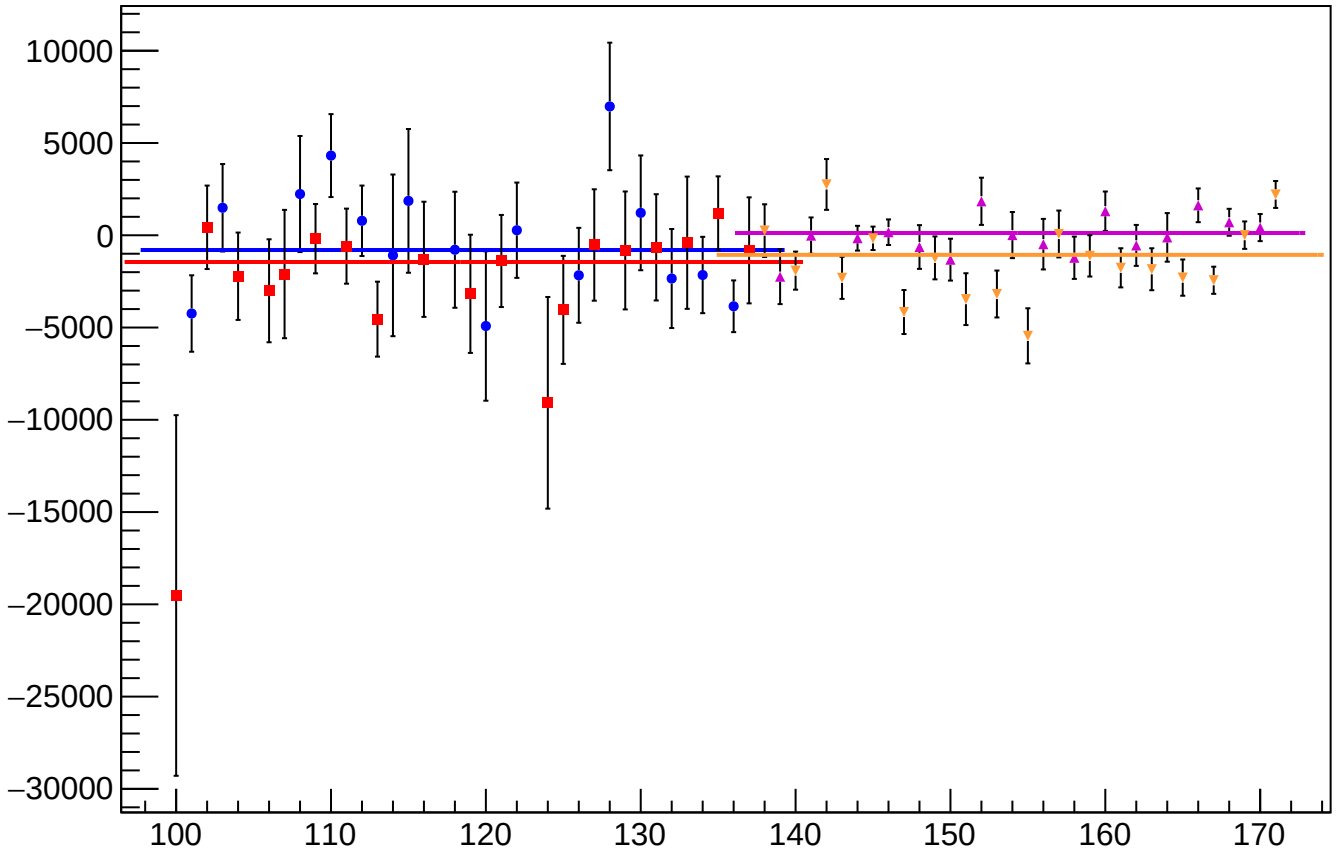
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

+ sign 96.838+/-0.015 χ^2/NDF: 2158910.8/33

All: 97.510+/-0.011 χ^2/NDF: 4345418.8/68

- sign 98.232+/-0.016 χ^2/NDF: 2182531.3/34



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1061.281+/-236.501 χ^2/NDF:62.5/17

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

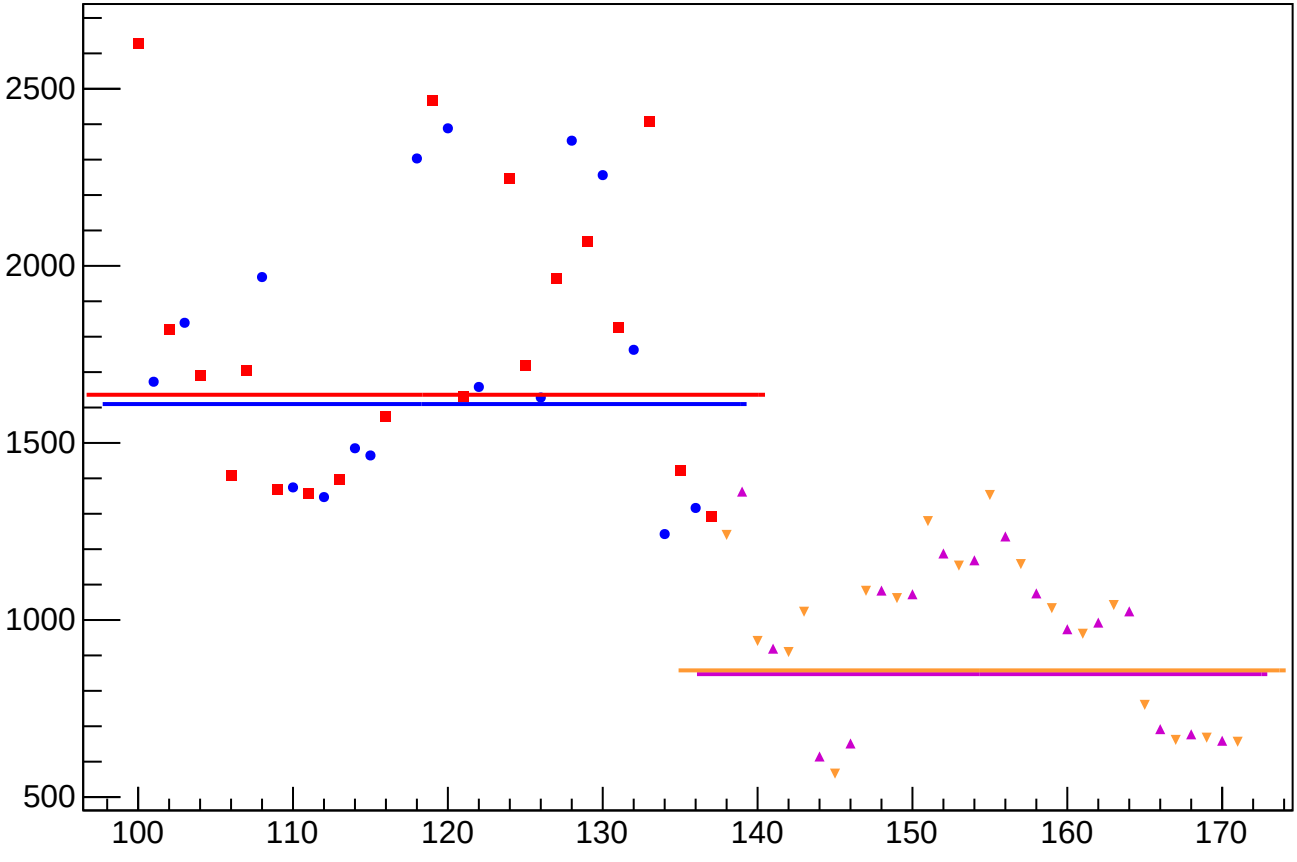
Left In: 123.244+/-242.420 χ^2/NDF:13.2/15

+ sign -1027.603+/-220.788 χ^2/NDF: 86.1/33

All: -567.947+/-157.762 χ^2/NDF: 126.3/68

- sign -88.449+/-225.503 χ^2/NDF: 31.4/34

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 857.776+/-0.167 χ^2/NDF:1942149.3/17

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

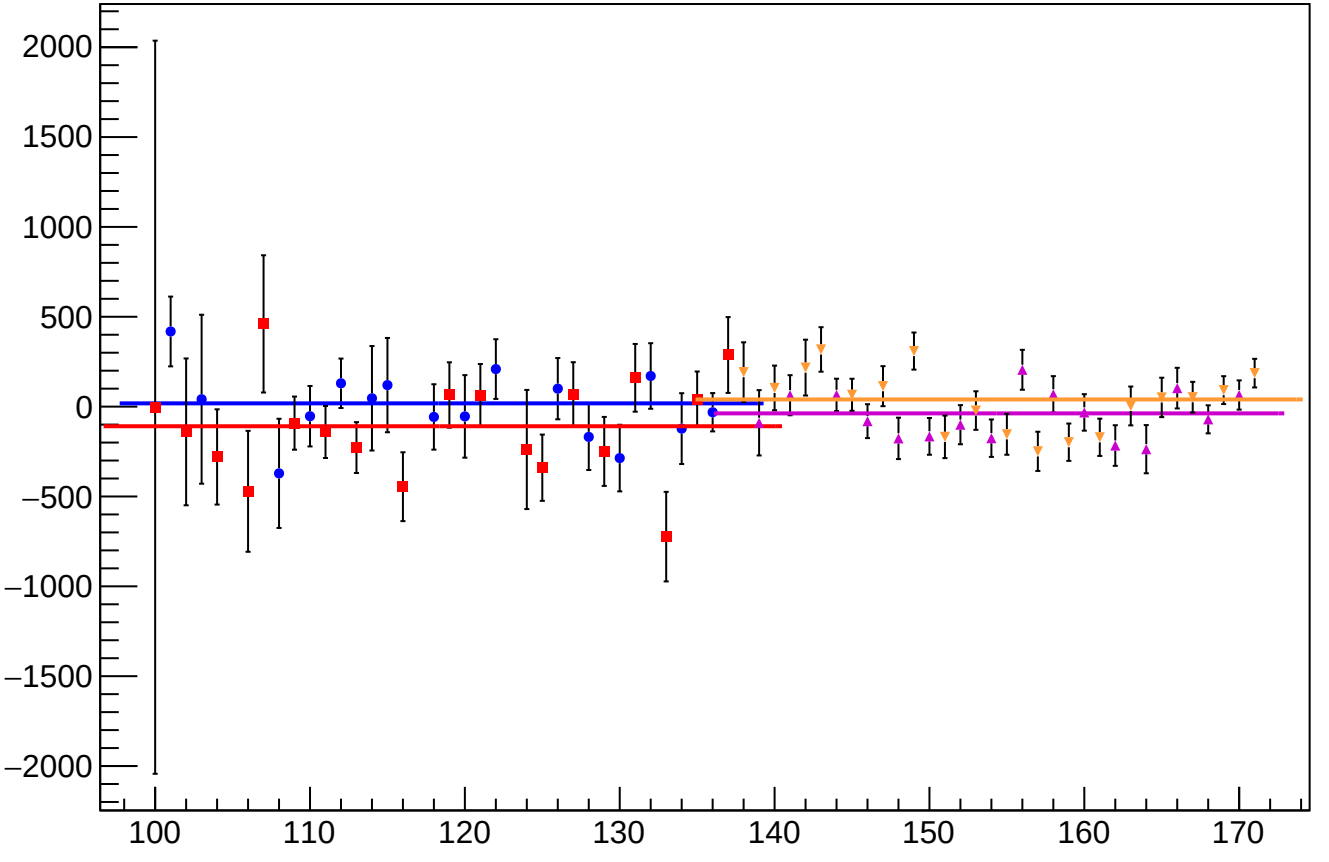
Left In: 847.191+/-0.171 χ^2/NDF:1719563.2/15

+ sign 954.381+/-0.156 χ^2/NDF: 5159003.7/33

All: 953.923+/-0.112 χ^2/NDF: 10258930.5/68

- sign 953.444+/-0.159 χ^2/NDF: 5099909.2/34

eigen_cor_asym_sam3_mean vs Slug



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.859+/-24.671 χ^2/NDF:41.4/17

Right Out: -109.151+/-45.828 χ^2/NDF: 25.4/18

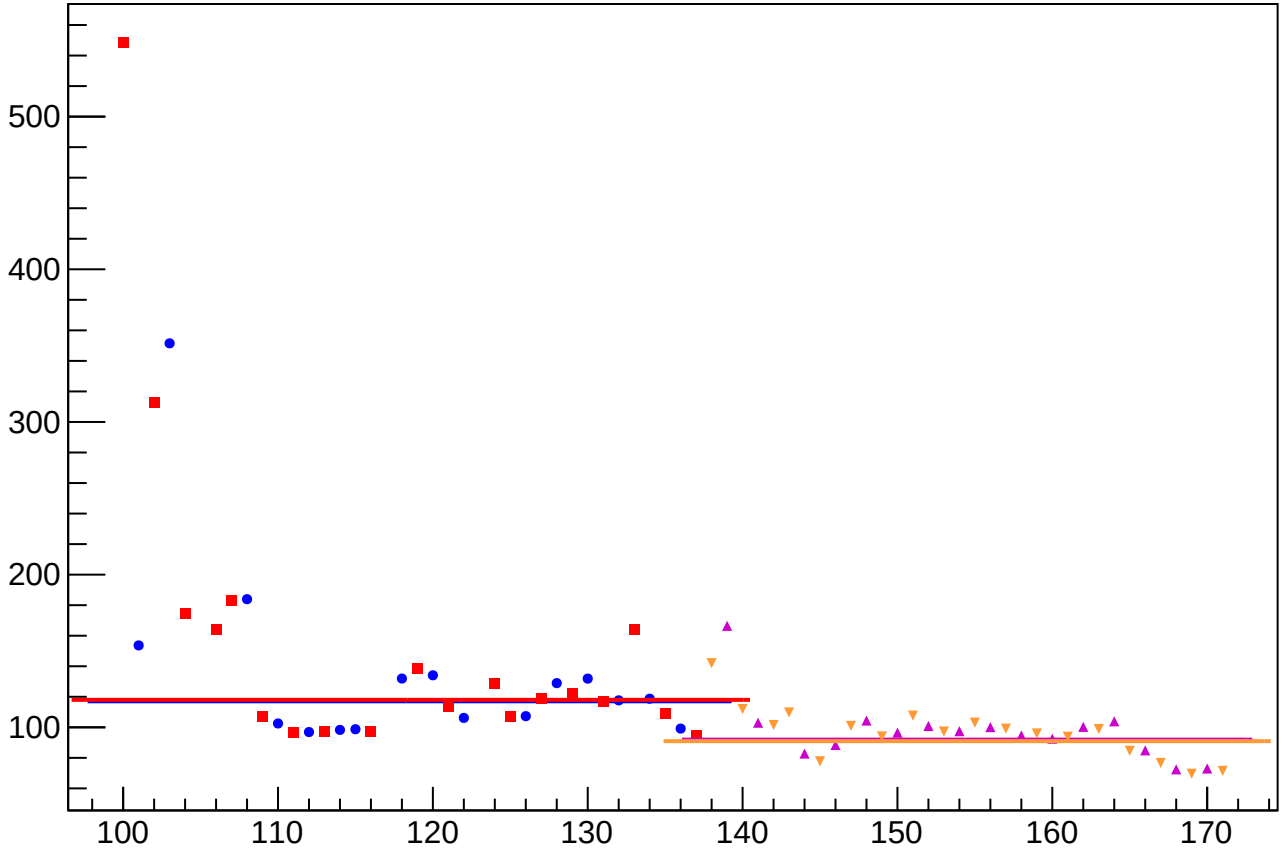
Left In: -37.565+/-25.848 χ^2/NDF:21.4/15

+ sign 34.970+/-21.710 χ^2/NDF: 55.5/33

All: -8.304+/-15.628 χ^2/NDF: 112.4/68

- sign -54.841+/-22.513 χ^2/NDF: 48.7/34

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.4/17

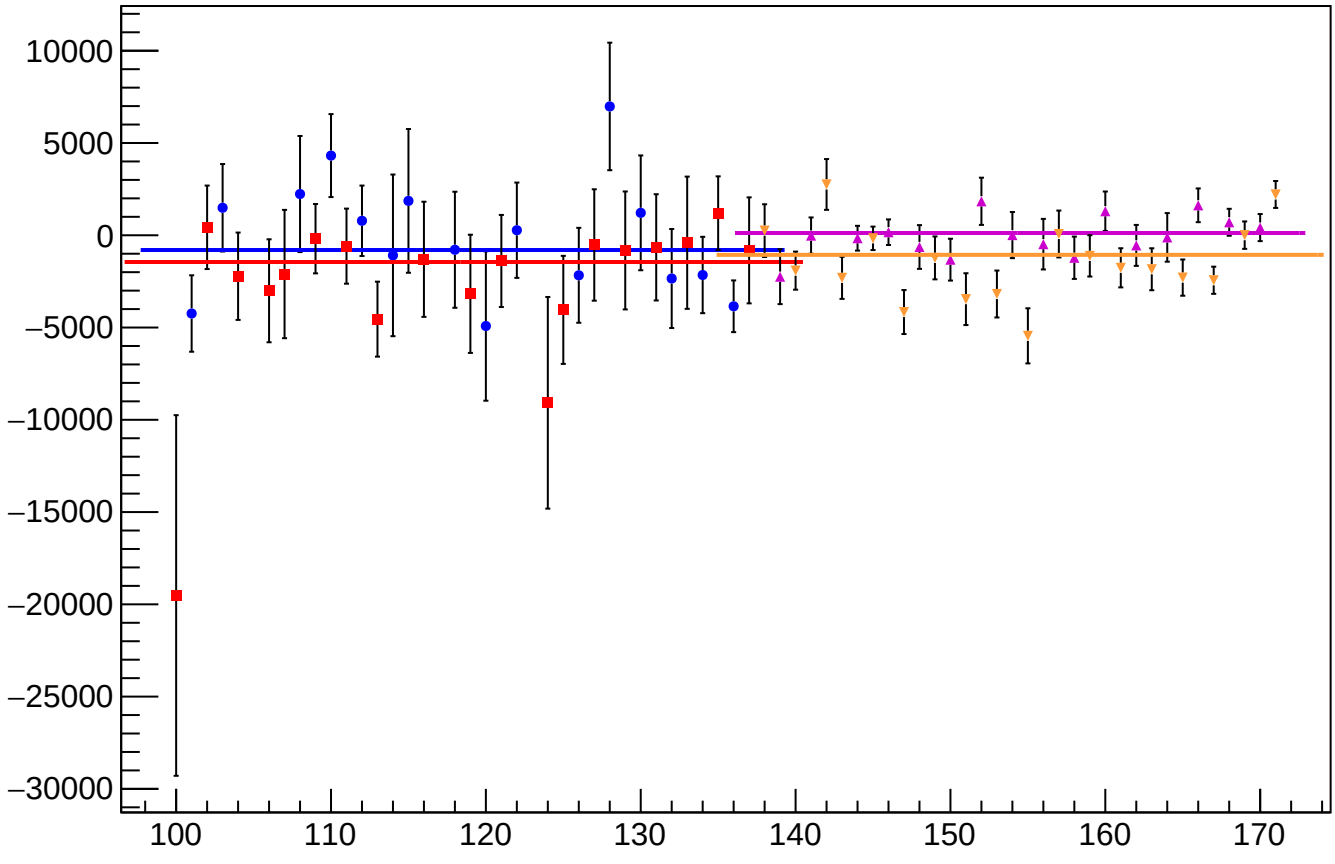
Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 91.942+/-0.018 χ^2/NDF:705193.2/15

+ sign 96.838+/-0.015 χ^2/NDF: 2158910.8/33

All: 97.510+/-0.011 χ^2/NDF: 4345418.8/68

- sign 98.232+/-0.016 χ^2/NDF: 2182531.3/34



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1061.281+/-236.501 χ^2/NDF:62.5/17

Right Out: -1448.433+/-614.443 χ^2/NDF: 12.5/18

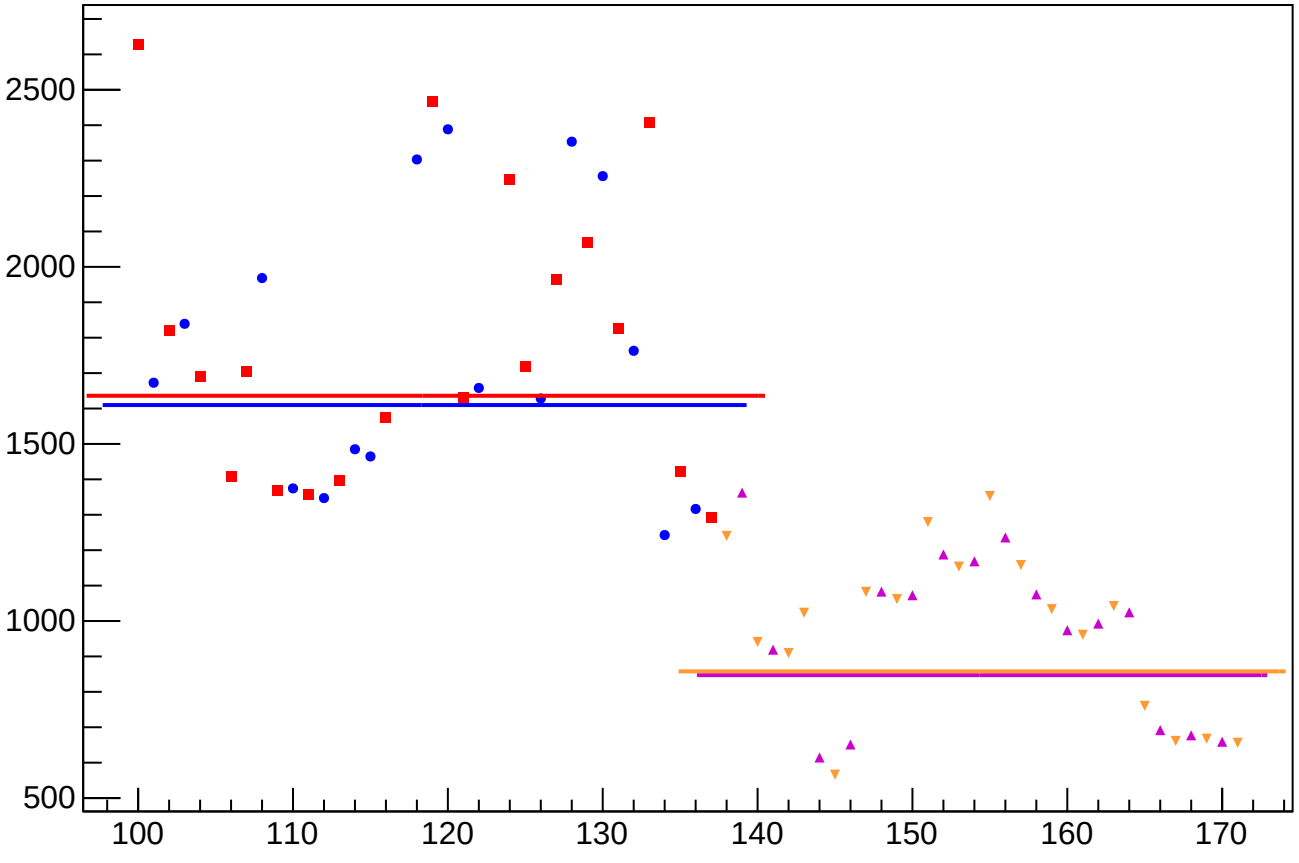
Left In: 123.244+/-242.420 χ^2/NDF:13.2/15

+ sign -1027.603+/-220.788 χ^2/NDF: 86.1/33

All: -567.947+/-157.762 χ^2/NDF: 126.3/68

- sign -88.449+/-225.503 χ^2/NDF: 31.4/34

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 857.776+/-0.167 χ^2/NDF:1942149.3/17

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

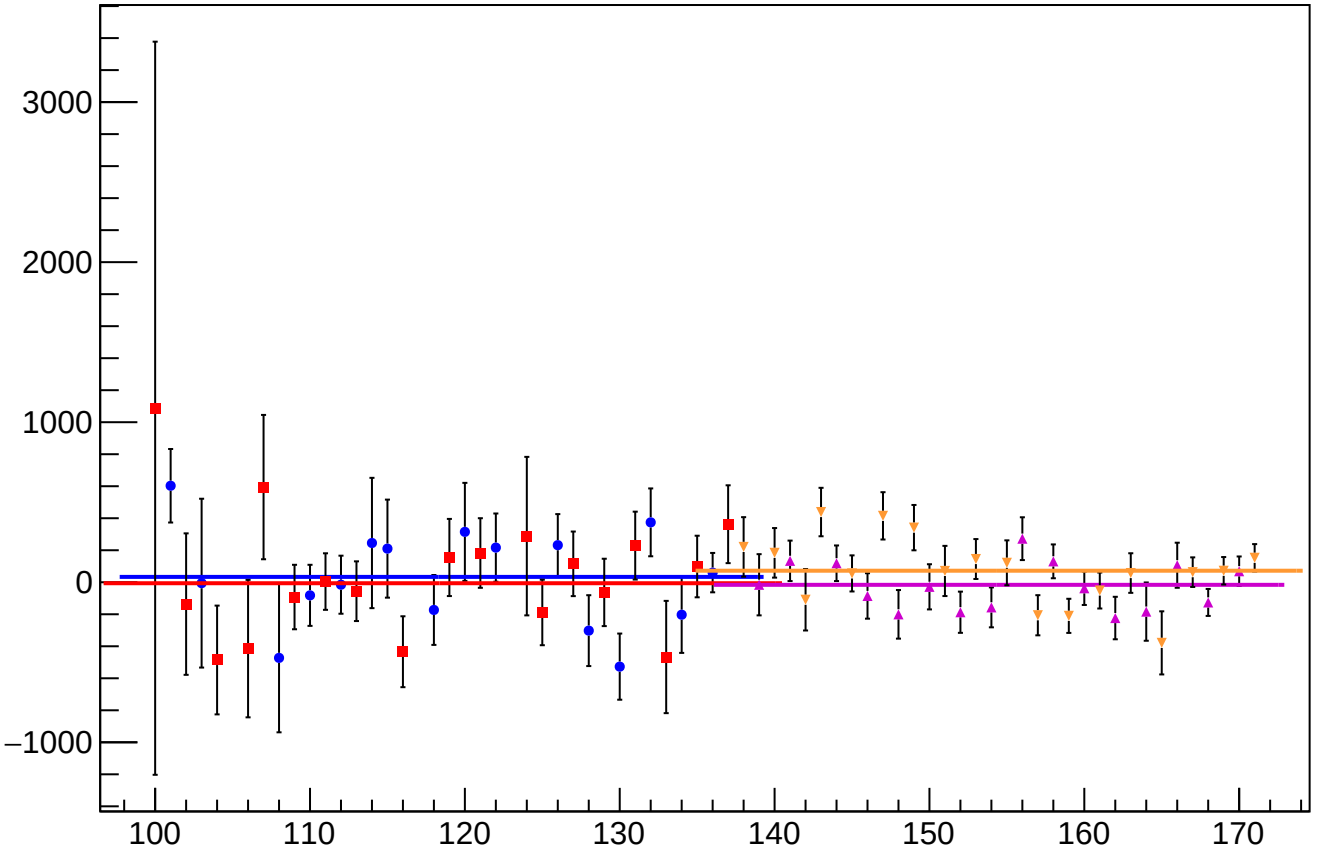
Left In: 847.191+/-0.171 χ^2/NDF:1719563.2/15

+ sign 954.381+/-0.156 χ^2/NDF: 5159003.7/33

All: 953.923+/-0.112 χ^2/NDF: 10258930.5/68

- sign 953.444+/-0.159 χ^2/NDF: 5099909.2/34

dit_asym_sam3_mean vs Slug



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 72.071+/-29.085 χ^2/NDF:36.7/17

Right Out: -6.107+/-56.090 χ^2/NDF: 17.3/18

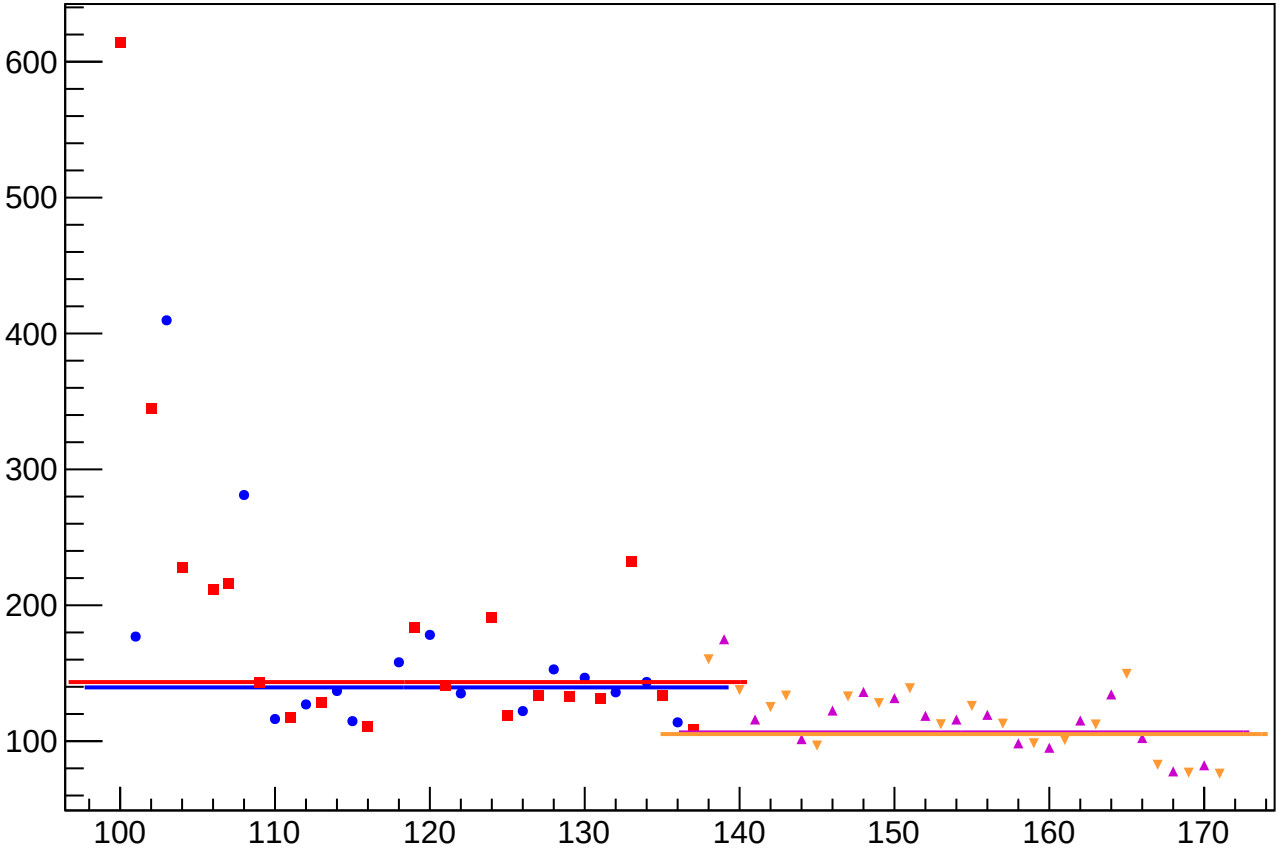
Left In: -16.140+/-30.550 χ^2/NDF:20.9/15

+ sign 63.614+/-25.702 χ^2/NDF: 62.2/33

All: 26.545+/-18.559 χ^2/NDF: 104.8/68

- sign -13.845+/-26.829 χ^2/NDF: 38.2/34

dit_asym_sam3_rms vs Slug



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 105.213+/-0.021 χ^2/NDF:1325542.2/17

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

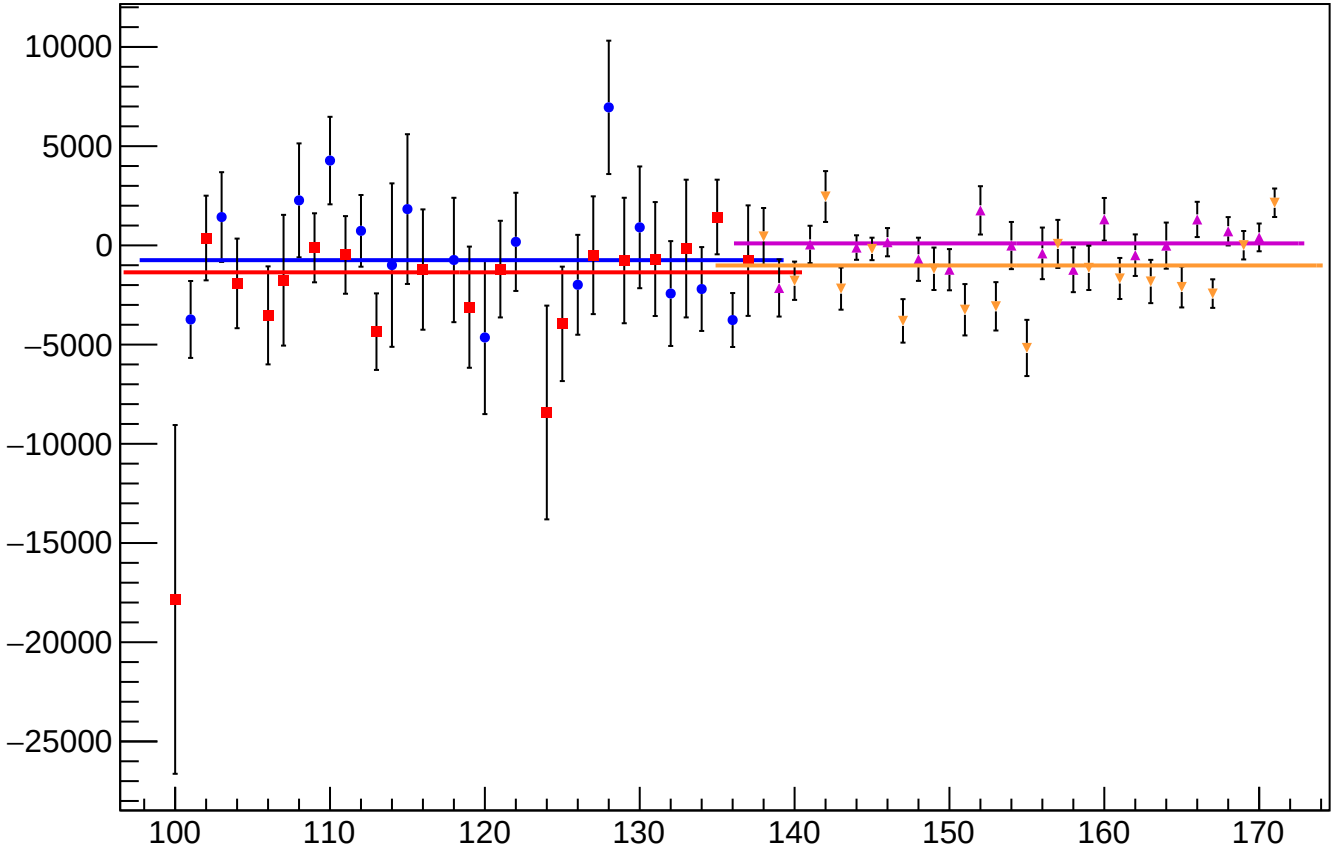
Left In: 106.442+/-0.022 χ^2/NDF:949095.7/15

+ sign 112.740+/-0.018 χ^2/NDF: 2913650.3/33

All: 113.781+/-0.013 χ^2/NDF: 5658822.2/68

- sign 114.915+/-0.019 χ^2/NDF: 2738315.5/34

asym_sam3_dit_correction_mean vs Slug



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1011.629+/-225.485 χ^2/NDF:61.5/17

Right Out: -1357.874+/-585.808 χ^2/NDF: 13.5/18

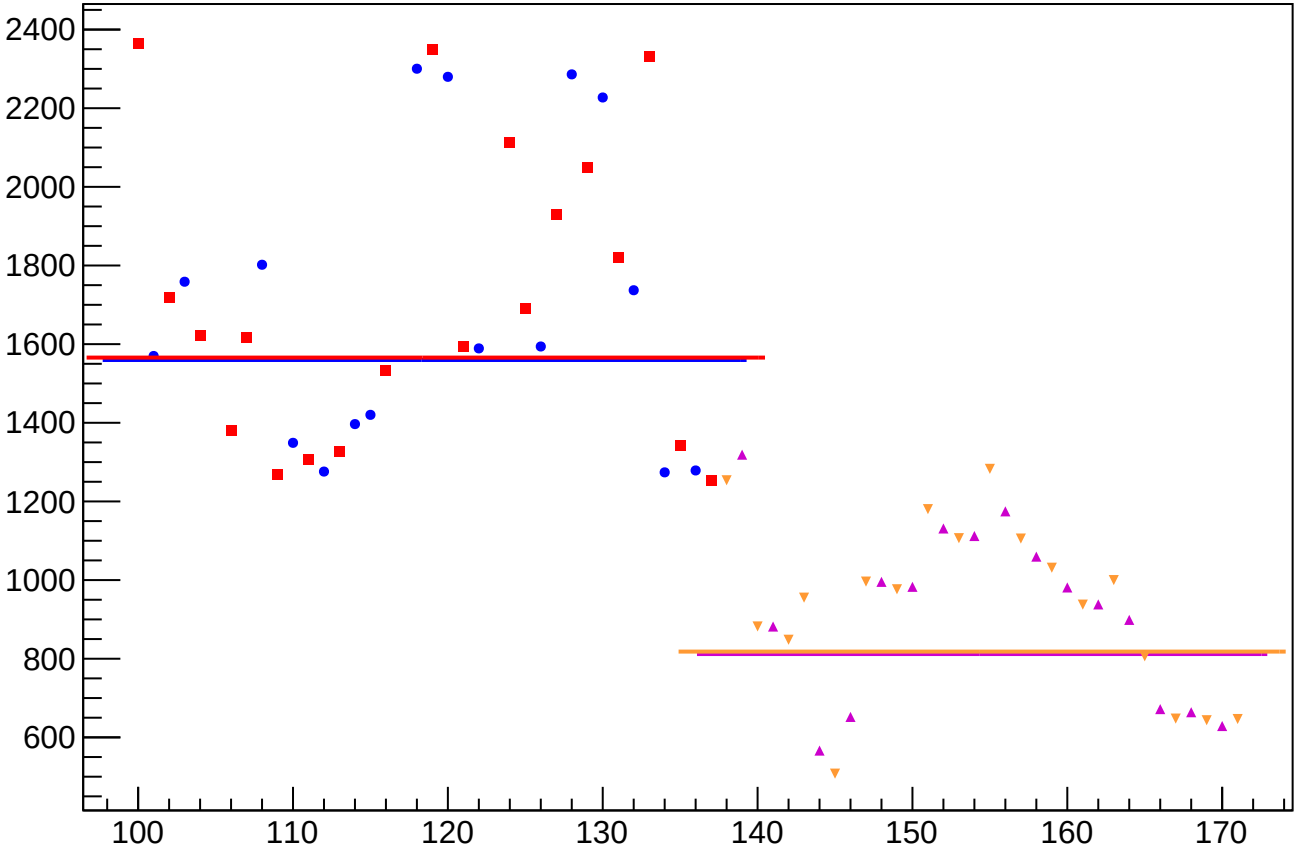
Left In: 100.452+/-232.404 χ^2/NDF:12.5/15

+ sign -978.185+/-210.888 χ^2/NDF: 85.1/33

All: -548.613+/-150.904 χ^2/NDF: 125.0/68

- sign -97.860+/-216.025 χ^2/NDF: 31.4/34

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 818.143+/-0.159 χ^2/NDF:2022643.9/17

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

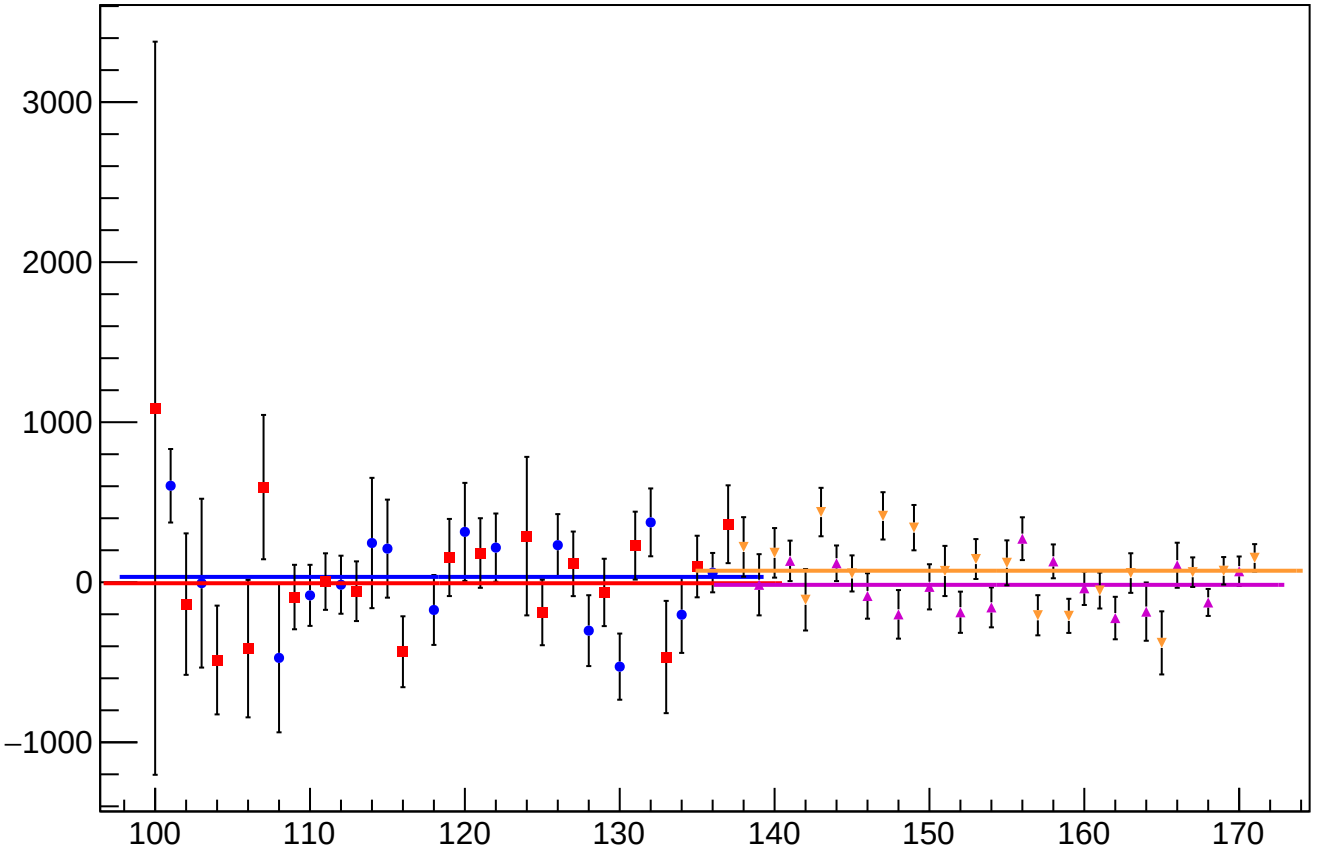
Left In: 811.914+/-0.164 χ^2/NDF:1665246.1/15

+ sign 911.052+/-0.149 χ^2/NDF: 5337124.8/33

All: 912.702+/-0.107 χ^2/NDF: 10428406.6/68

- sign 914.434+/-0.153 χ^2/NDF: 5091030.8/34

eigen_dit_asym_sam3_mean vs Slug



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 72.072+/-29.085 χ^2/NDF:36.7/17

Right Out: -6.103+/-56.090 χ^2/NDF: 17.3/18

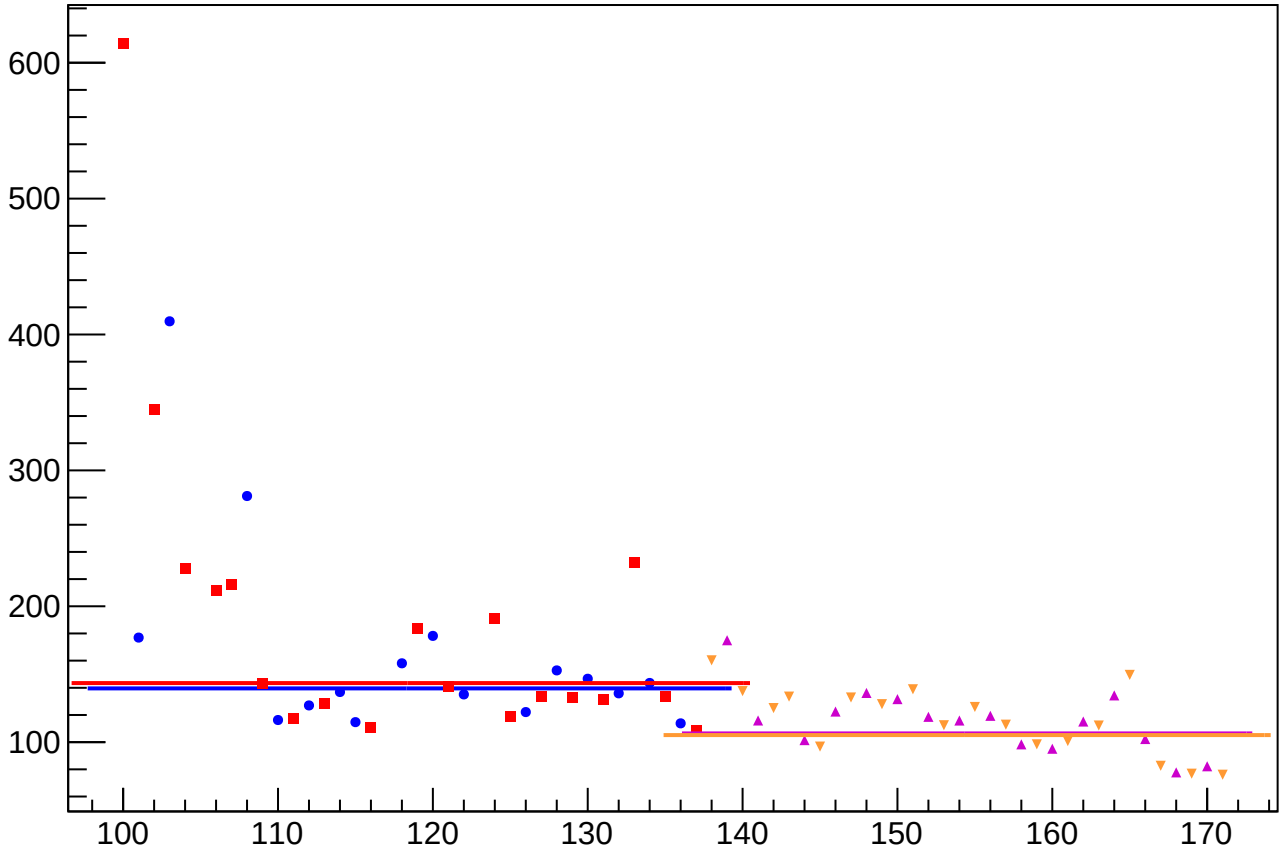
Left In: -16.139+/-30.550 χ^2/NDF:20.9/15

+ sign 63.614+/-25.702 χ^2/NDF: 62.2/33

All: 26.546+/-18.560 χ^2/NDF: 104.8/68

- sign -13.843+/-26.829 χ^2/NDF: 38.2/34

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 105.213+/-0.021 χ^2/NDF:1325571.3/17

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

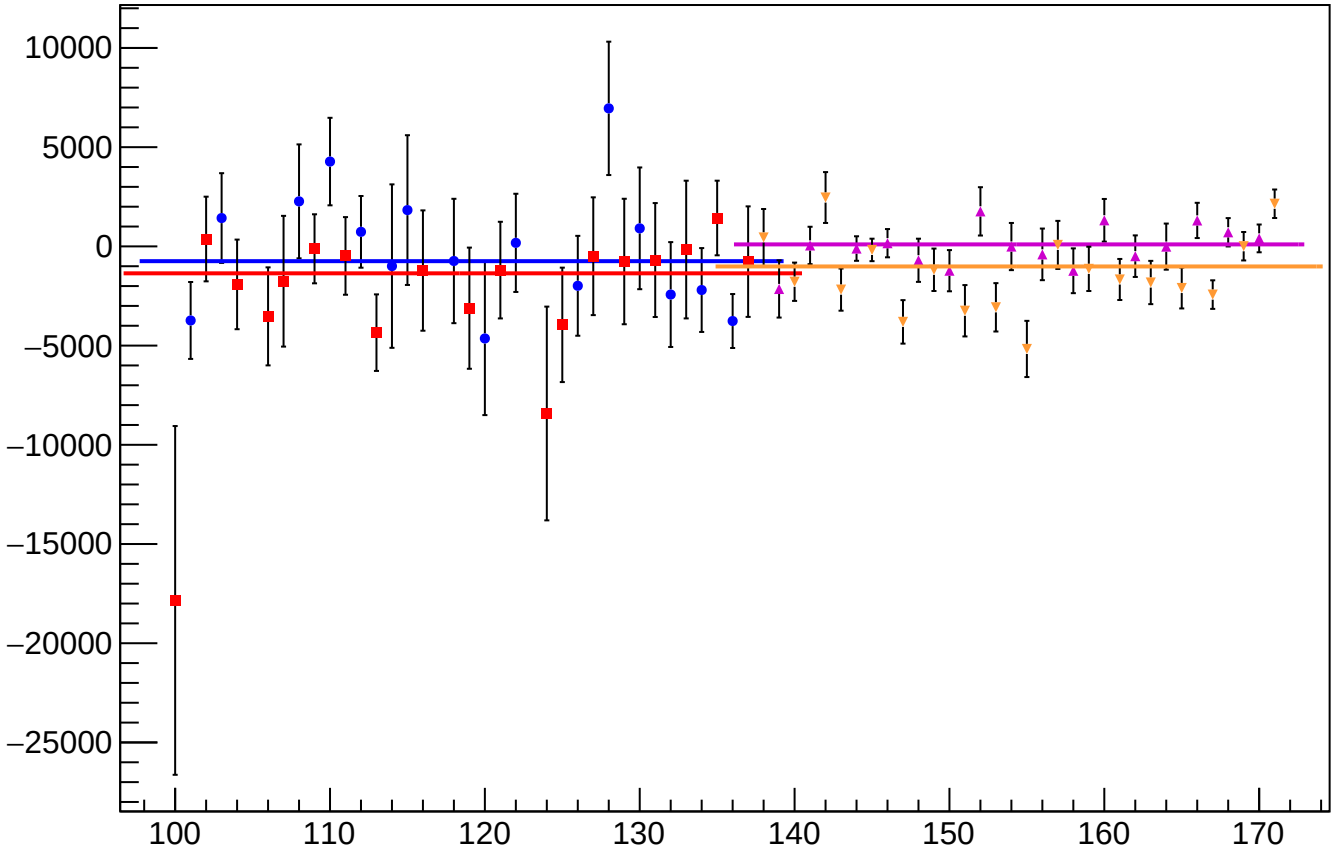
Left In: 106.442+/-0.022 χ^2/NDF:949112.7/15

+ sign 112.740+/-0.018 χ^2/NDF: 2913677.9/33

All: 113.781+/-0.013 χ^2/NDF: 5658875.0/68

- sign 114.916+/-0.019 χ^2/NDF: 2738340.5/34

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1011.630+/-225.485 χ^2/NDF:61.5/17

Right Out: -1357.874+/-585.807 χ^2/NDF: 13.5/18

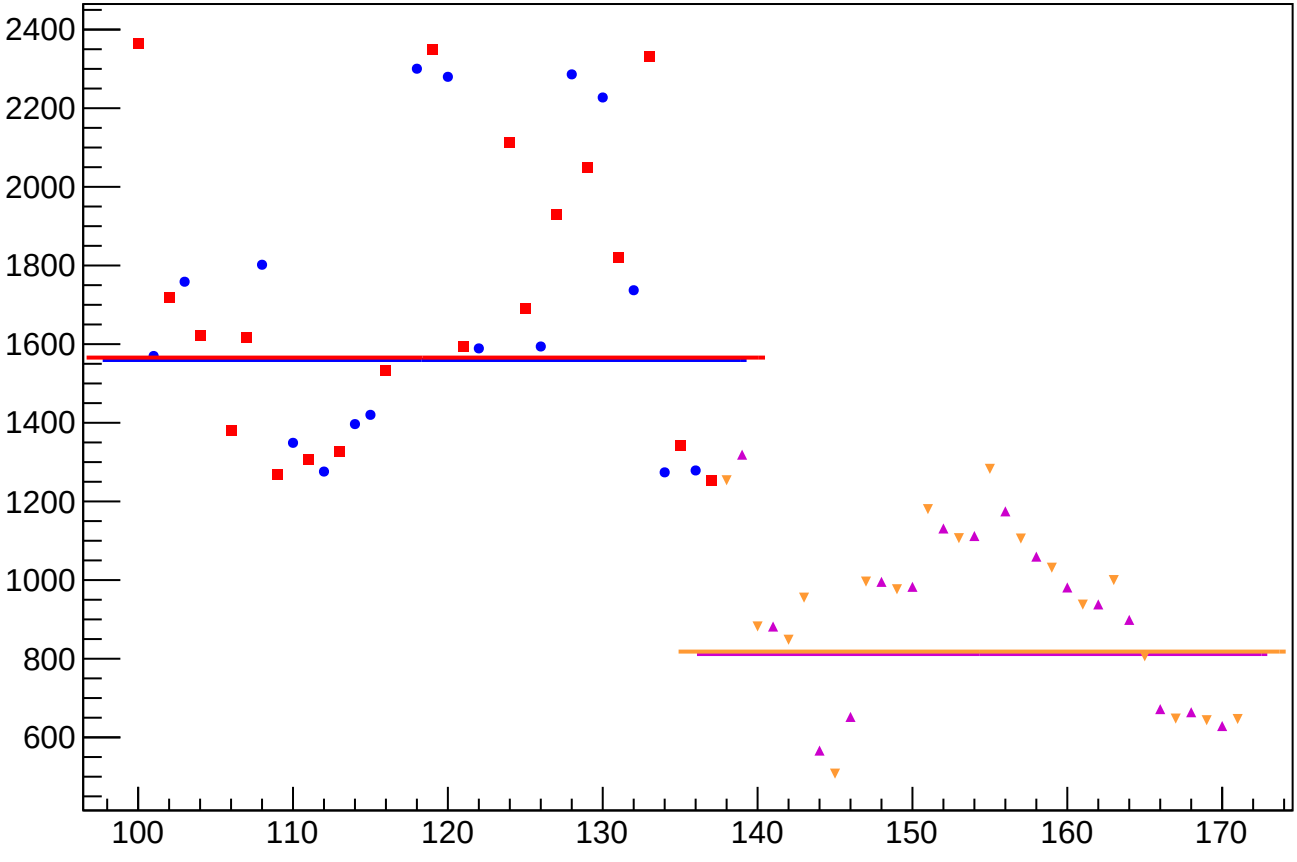
Left In: 100.453+/-232.404 χ^2/NDF:12.5/15

+ sign -978.186+/-210.888 χ^2/NDF: 85.1/33

All: -548.613+/-150.904 χ^2/NDF: 125.0/68

- sign -97.860+/-216.025 χ^2/NDF: 31.4/34

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 818.143+/-0.159 χ^2/NDF:2022638.0/17

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

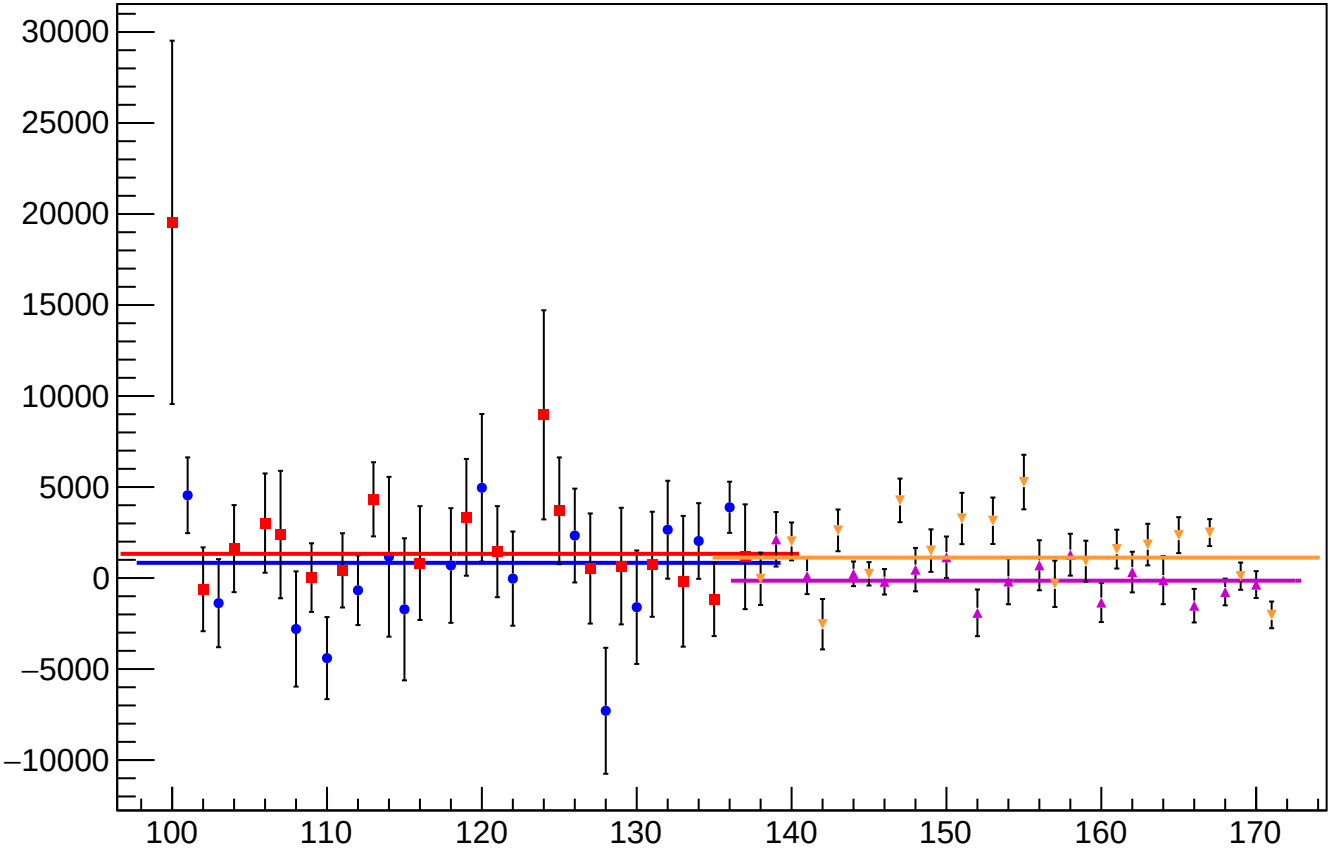
Left In: 811.914+/-0.164 χ^2/NDF:1665241.0/15

+ sign 911.051+/-0.149 χ^2/NDF: 5337118.5/33

All: 912.701+/-0.107 χ^2/NDF: 10428390.2/68

- sign 914.433+/-0.153 χ^2/NDF: 5091020.7/34

asym_sam3_mean vs Slug



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1122.965+/-237.961 χ^2/NDF:58.7/17

Right Out: 1329.538+/-616.428 χ^2/NDF: 12.1/18

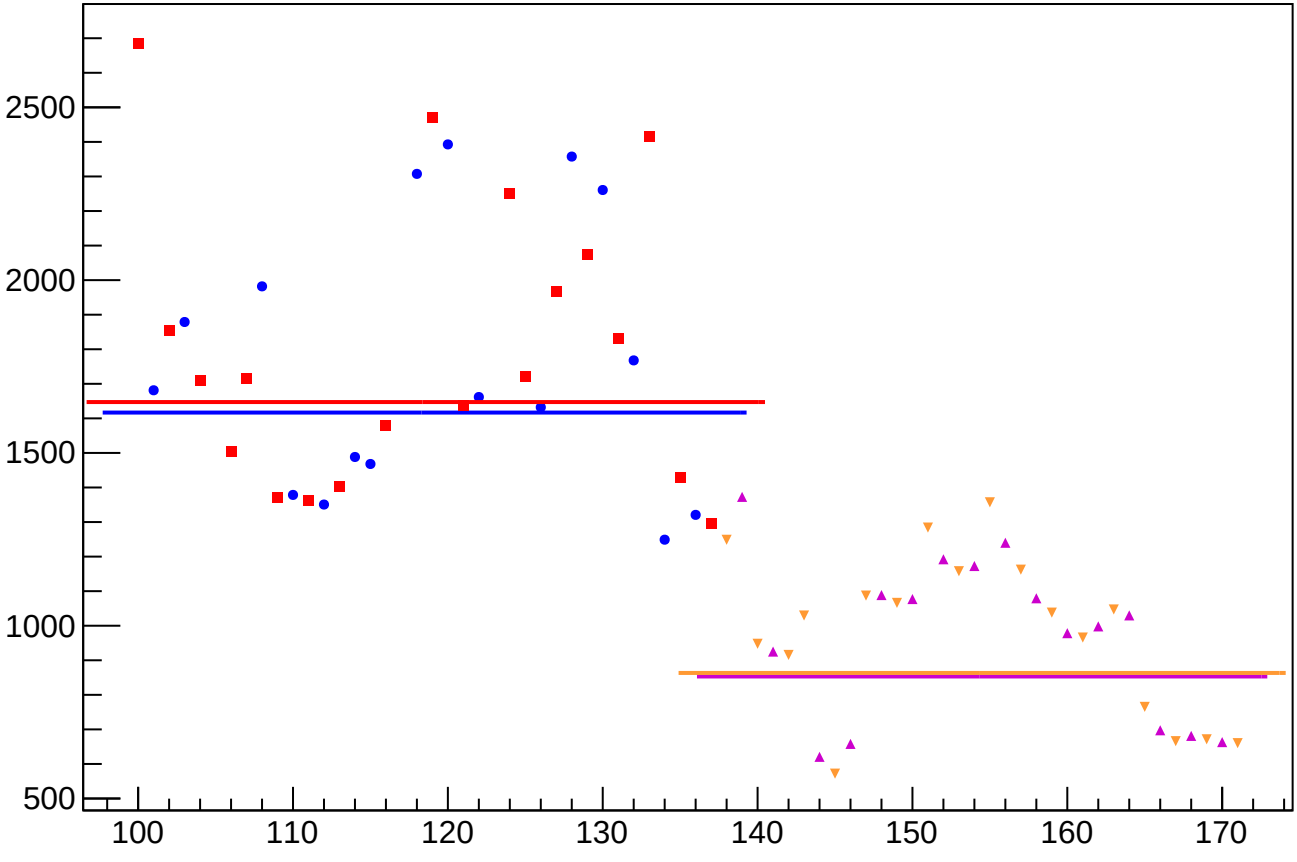
Left In: -144.903+/-244.015 χ^2/NDF:12.5/15

+ sign 1085.929+/-222.103 χ^2/NDF: 83.7/33

All: 581.366+/-158.714 χ^2/NDF: 123.8/68

- sign 54.842+/-226.885 χ^2/NDF: 29.6/34

asym_sam3_rms vs Slug



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 863.372+/-0.168 χ^2/NDF:1921390.1/17

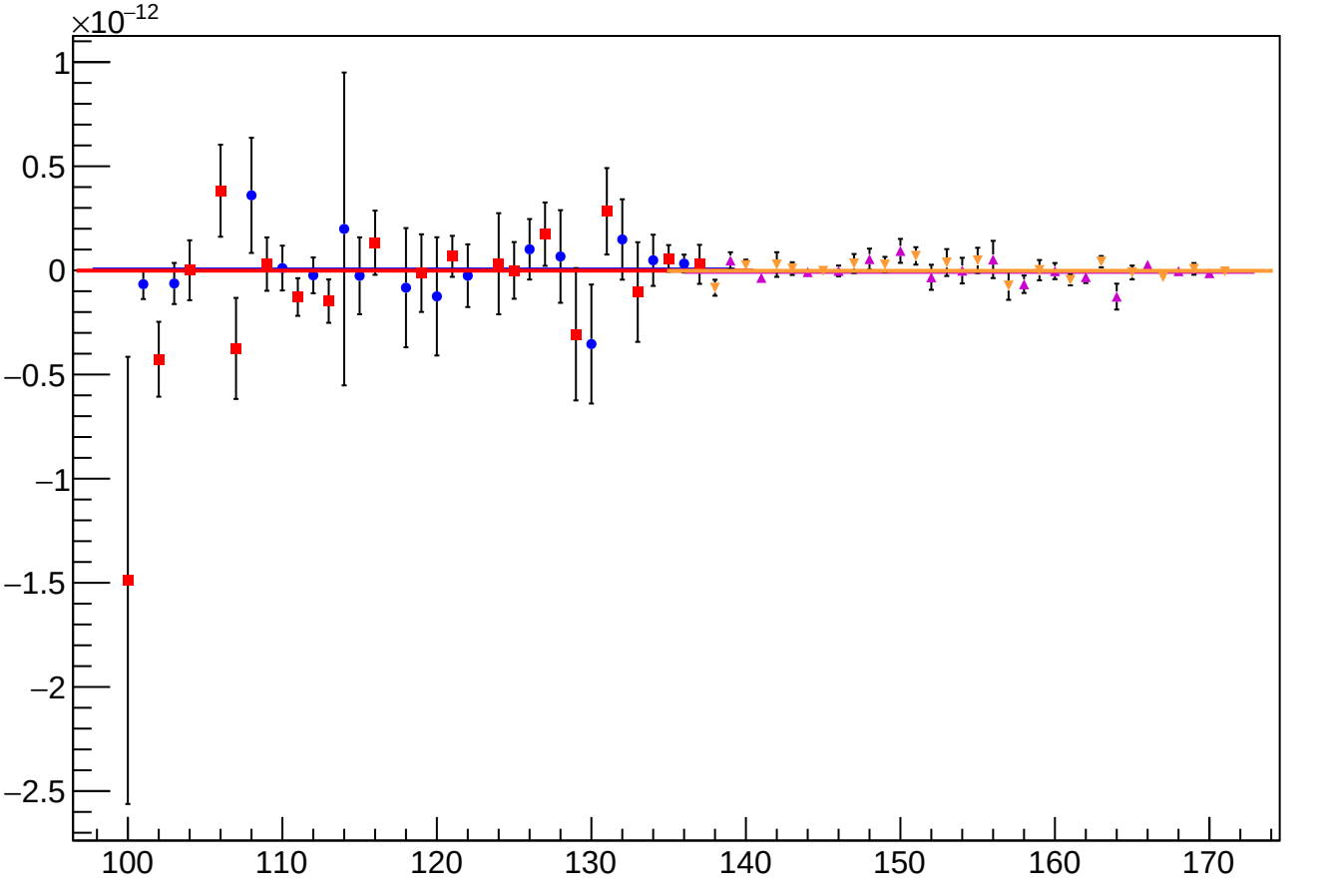
Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 853.139+/-0.173 χ^2/NDF:1698508.9/15

+ sign 960.441+/-0.157 χ^2/NDF: 5126782.1/33

All: 960.576+/-0.112 χ^2/NDF: 10218494.8/68

- sign 960.715+/-0.160 χ^2/NDF: 5091711.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

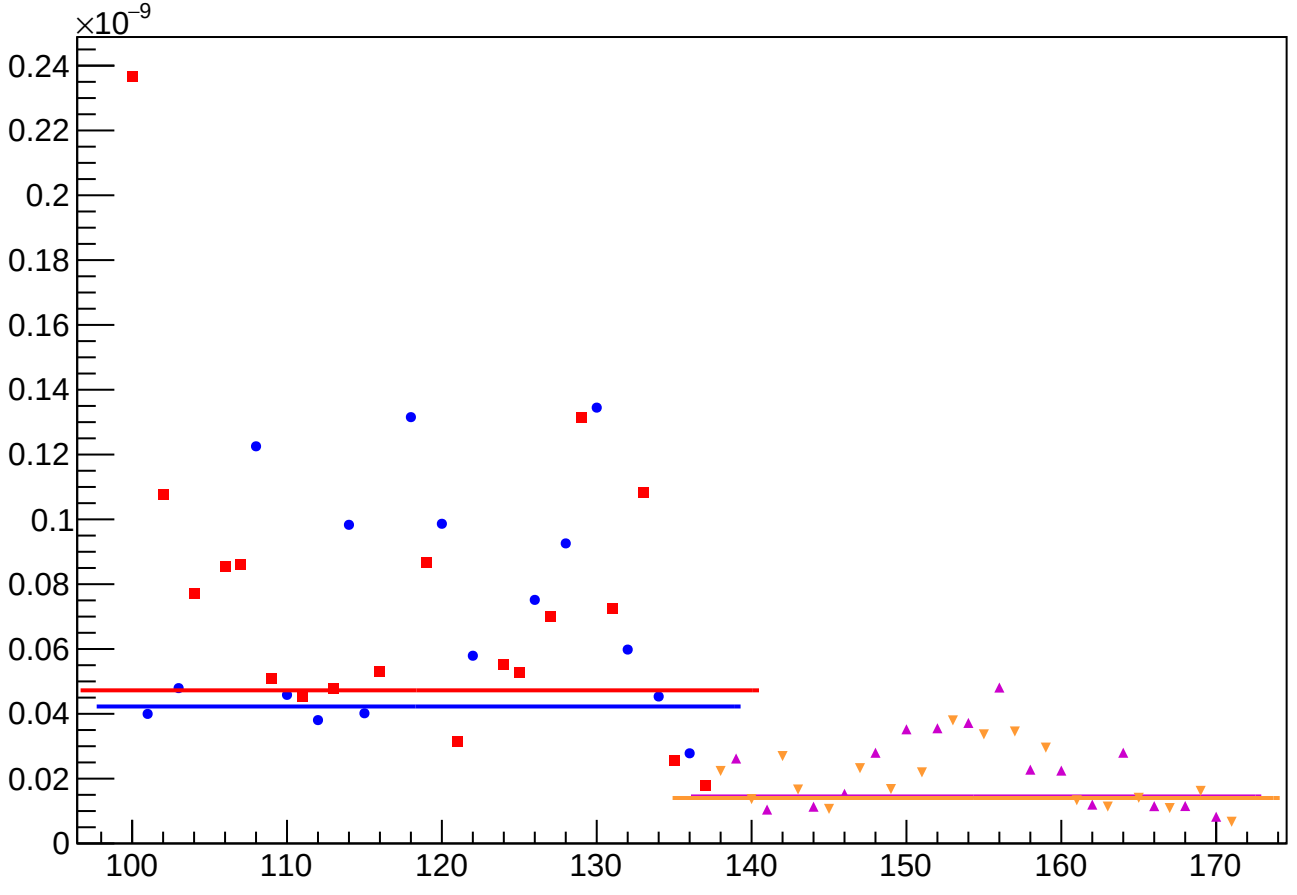
Left In: -0.000+/-0.000 χ^2/NDF:17.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 27.2/33

All: -0.000+/-0.000 χ^2/NDF: 68.1/68

- sign -0.000+/-0.000 χ^2/NDF: 40.7/34

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:1747881.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

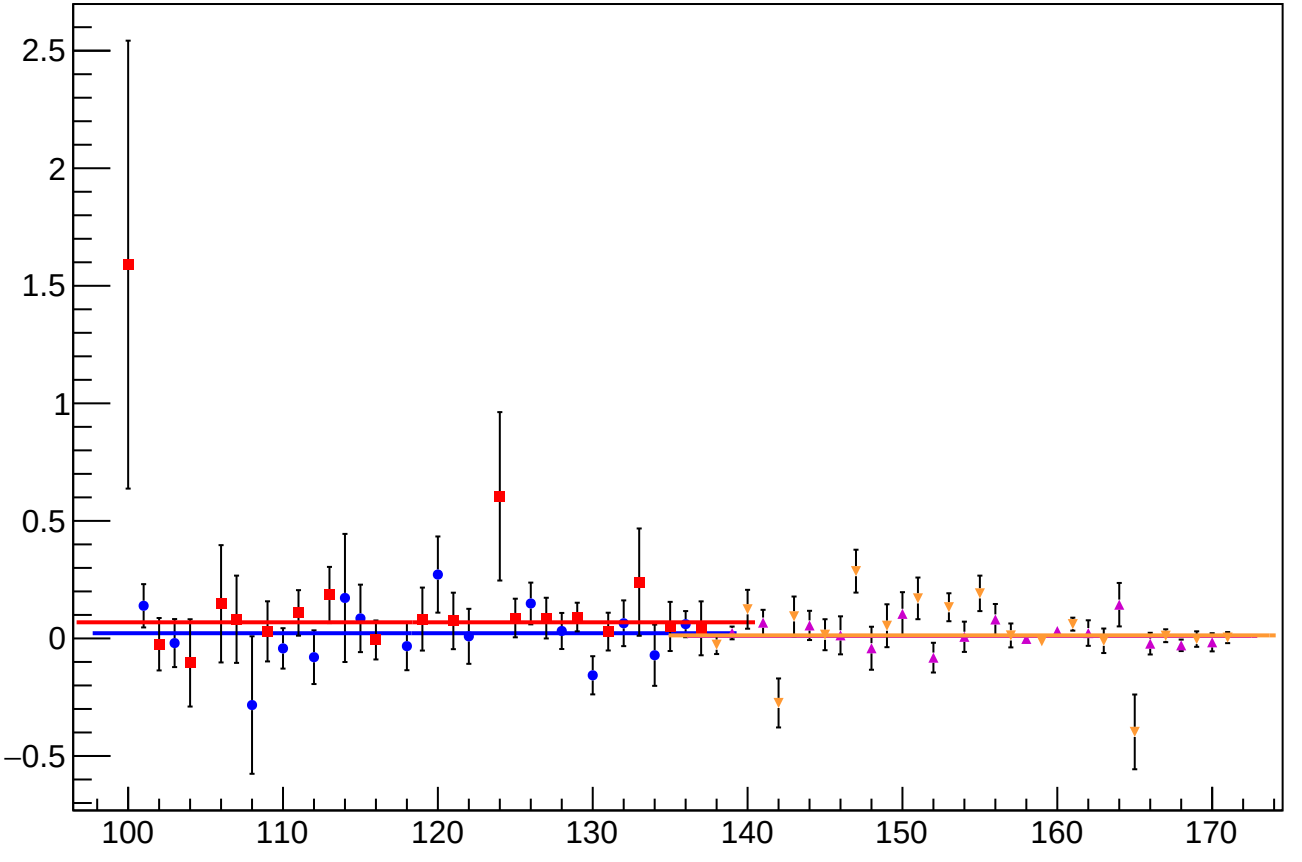
Left In: 0.000+/-0.000 χ^2/NDF:2068888.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 4910761.6/33

All: 0.000+/-0.000 χ^2/NDF: 10598602.9/68

- sign 0.000+/-0.000 χ^2/NDF: 5680466.8/34

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

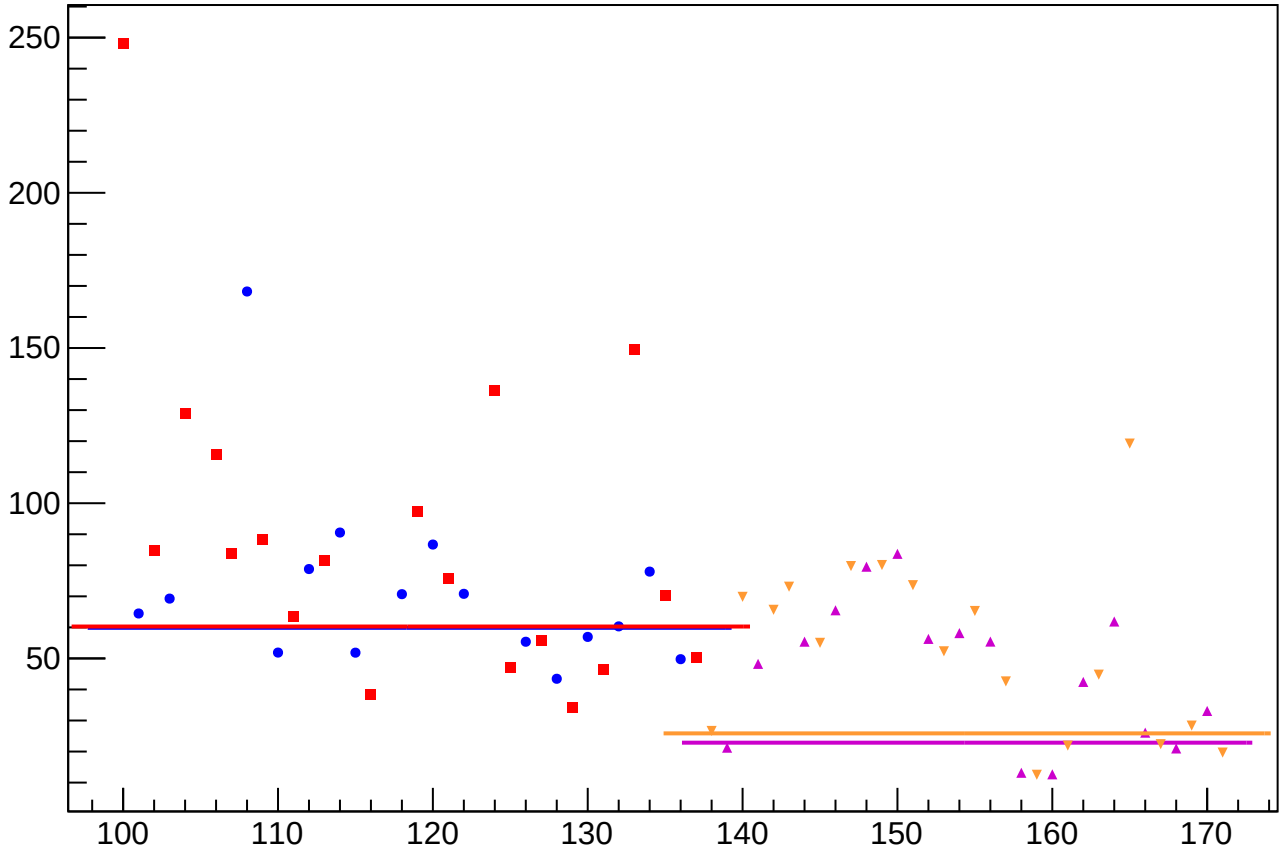
Left In: 0.011+/-0.008 χ^2/NDF:14.5/15

+ sign 0.014+/-0.008 χ^2/NDF: 61.8/33

All: 0.015+/-0.006 χ^2/NDF: 90.7/68

- sign 0.016+/-0.008 χ^2/NDF: 28.9/34

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 25.855+/-0.006 χ^2/NDF:7686439.8/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

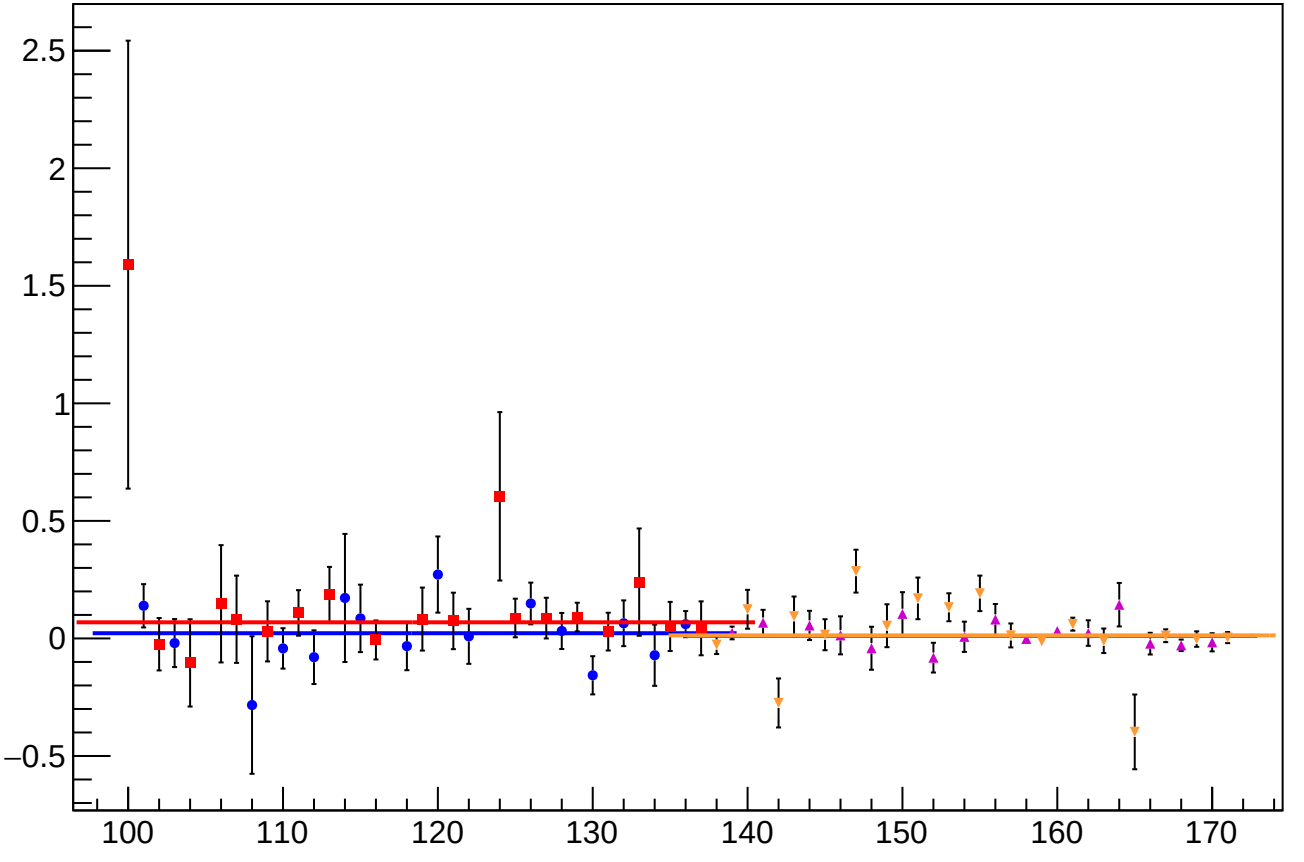
Left In: 22.858+/-0.006 χ^2/NDF:7131271.5/15

+ sign 29.826+/-0.006 χ^2/NDF: 11741905.5/33

All: 28.144+/-0.004 χ^2/NDF: 24944147.6/68

- sign 26.622+/-0.006 χ^2/NDF: 13050541.1/34

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

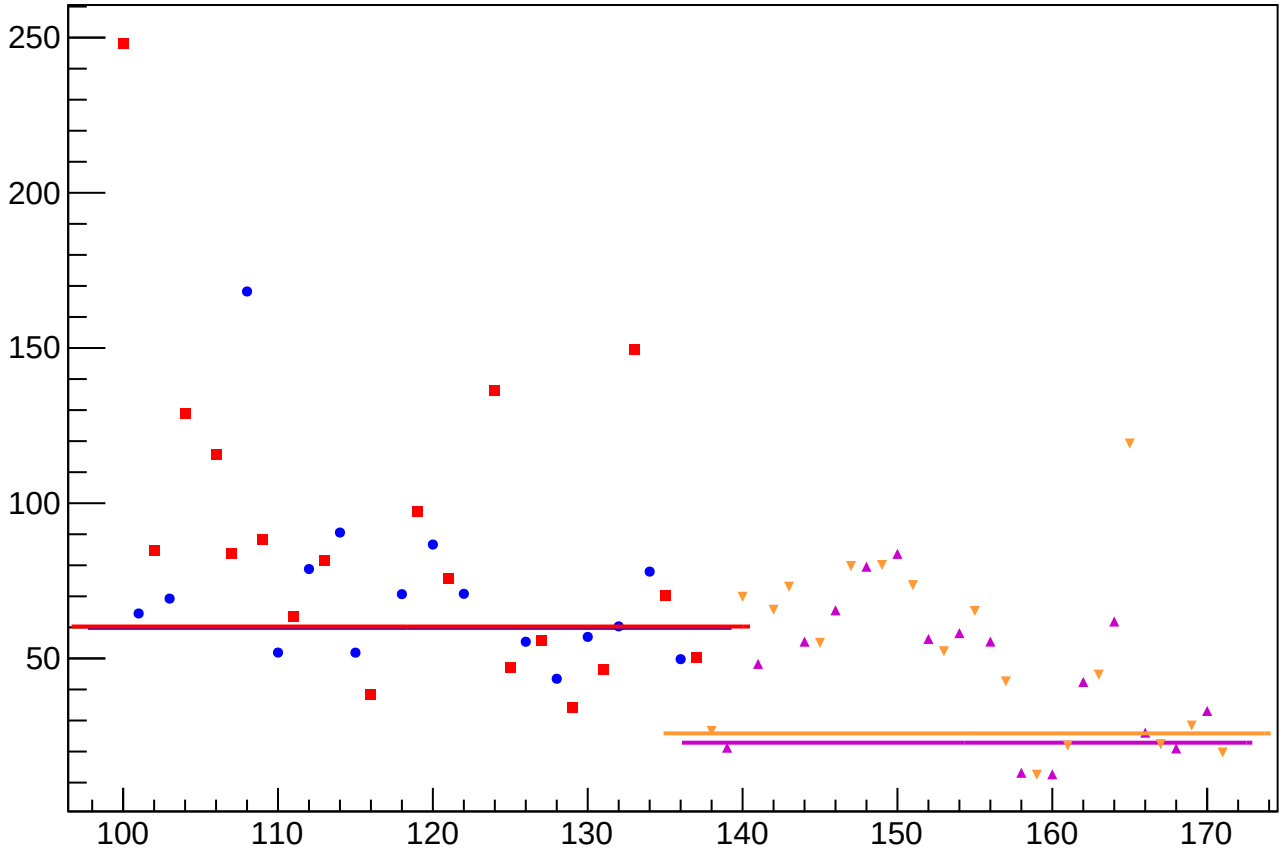
Left In: 0.011+/-0.008 χ^2/NDF:14.5/15

+ sign 0.014+/-0.008 χ^2/NDF: 61.8/33

All: 0.015+/-0.006 χ^2/NDF: 90.7/68

- sign 0.016+/-0.008 χ^2/NDF: 28.9/34

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 25.855+/-0.006 χ^2/NDF:7686439.8/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

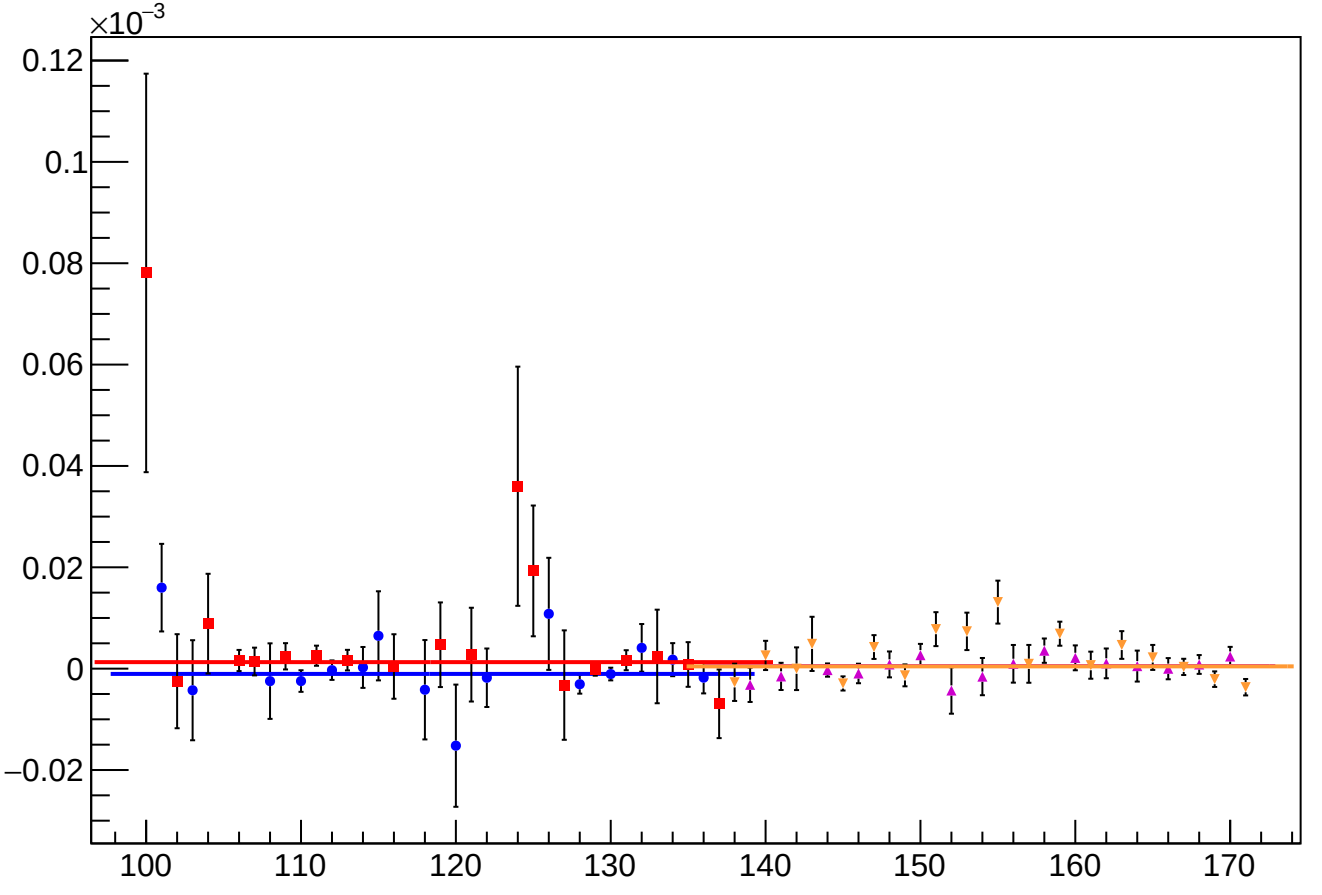
Left In: 22.858+/-0.006 χ^2/NDF:7131271.5/15

+ sign 29.826+/-0.006 χ^2/NDF: 11741905.5/33

All: 28.144+/-0.004 χ^2/NDF: 24944147.6/68

- sign 26.622+/-0.006 χ^2/NDF: 13050541.1/34

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:47.8/17

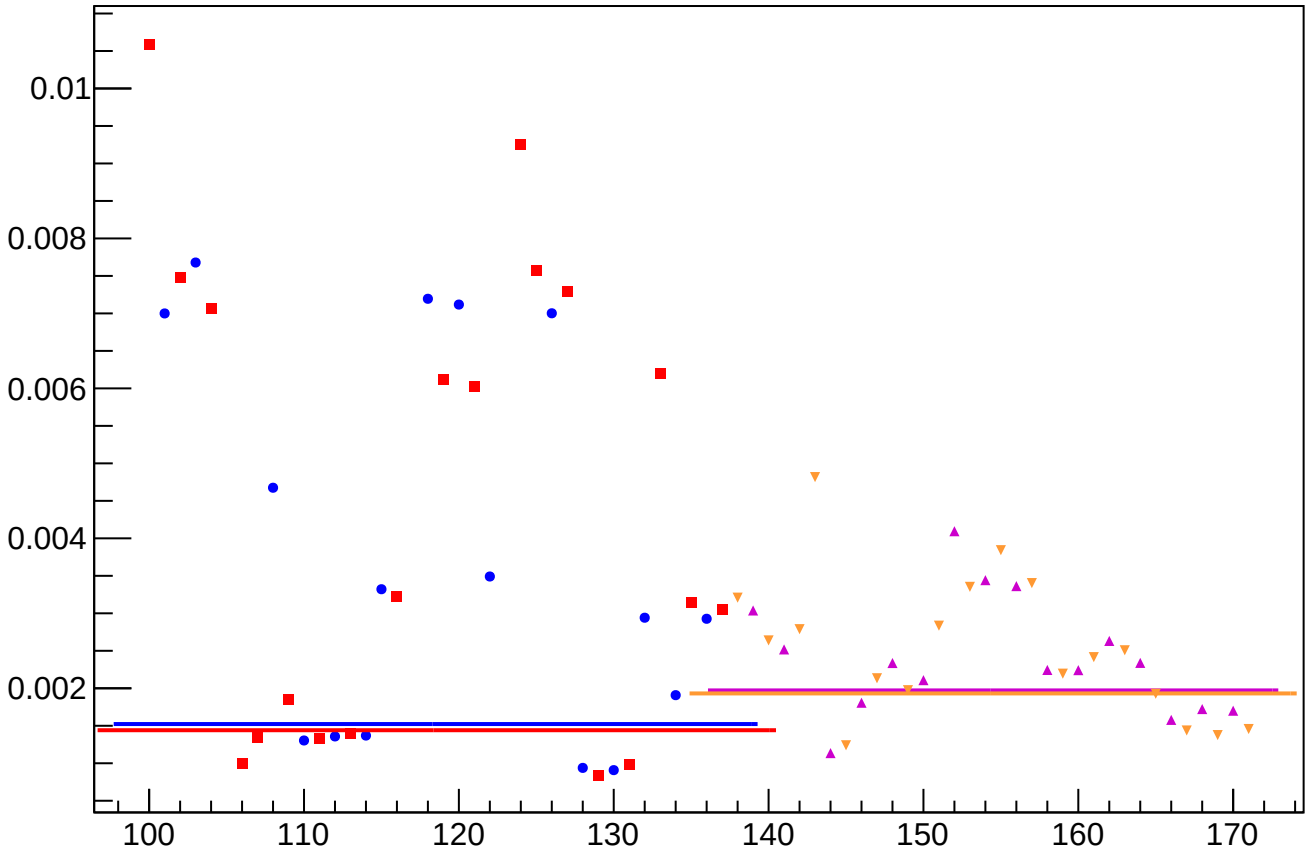
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/33

All: 0.000+/-0.000 χ^2/NDF: 85.2/68

- sign 0.000+/-0.000 χ^2/NDF: 21.4/34



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3494591.8/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

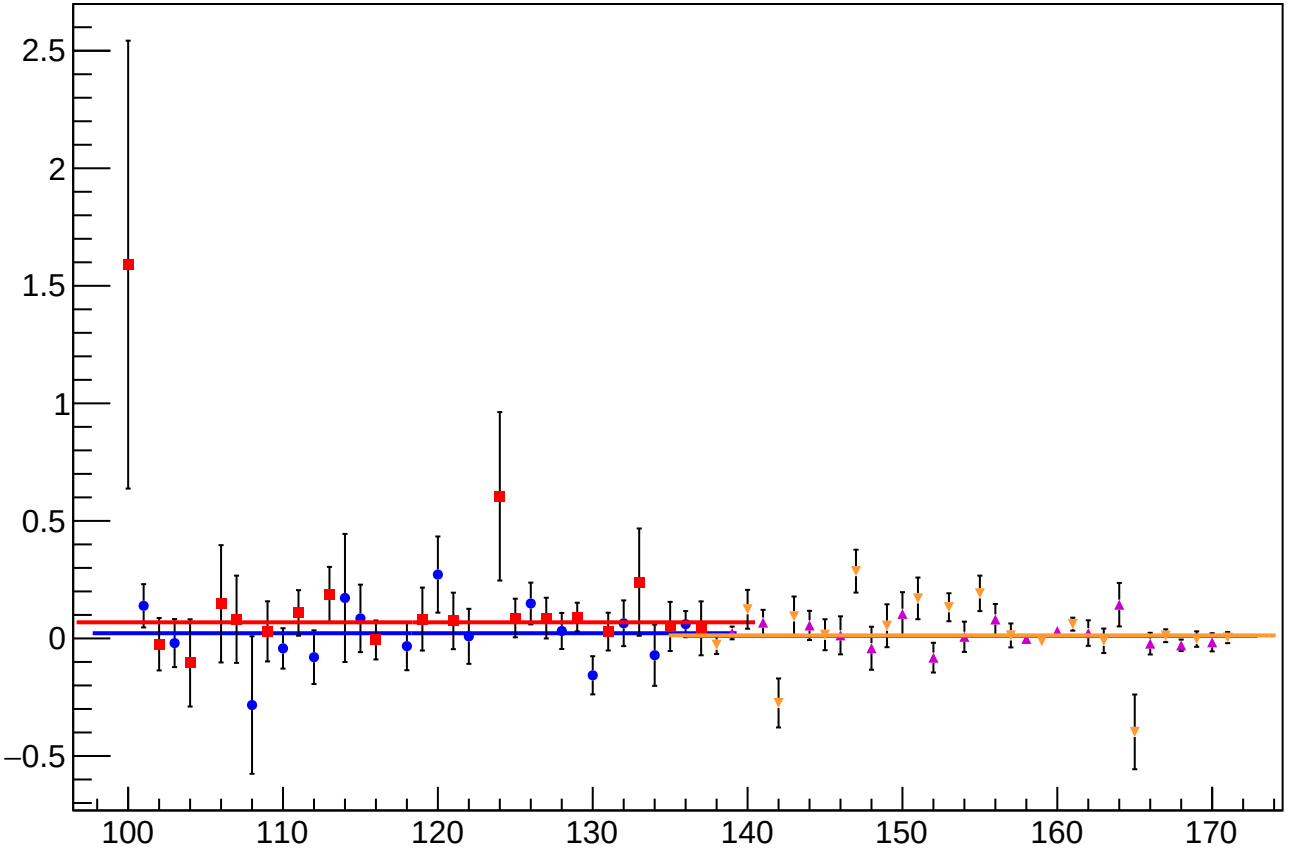
Left In: 0.002+/-0.000 χ^2/NDF:2520285.2/15

+ sign 0.002+/-0.000 χ^2/NDF: 9070153.2/33

All: 0.002+/-0.000 χ^2/NDF: 18068939.5/68

- sign 0.002+/-0.000 χ^2/NDF: 8994349.6/34

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

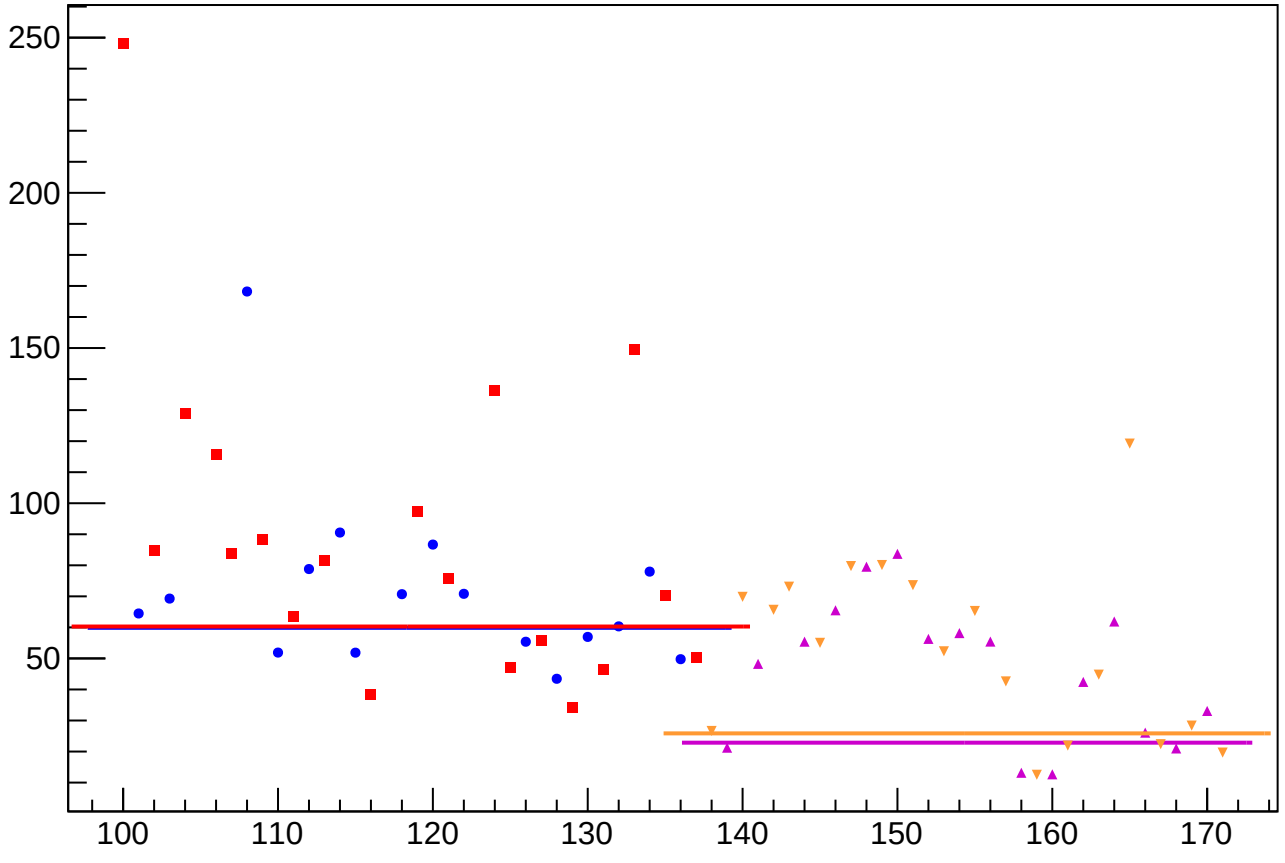
Left In: 0.011+/-0.008 χ^2/NDF:14.5/15

+ sign 0.014+/-0.008 χ^2/NDF: 61.8/33

All: 0.015+/-0.006 χ^2/NDF: 90.7/68

- sign 0.016+/-0.008 χ^2/NDF: 28.9/34

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 25.854+/-0.006 χ^2/NDF:7687307.0/17

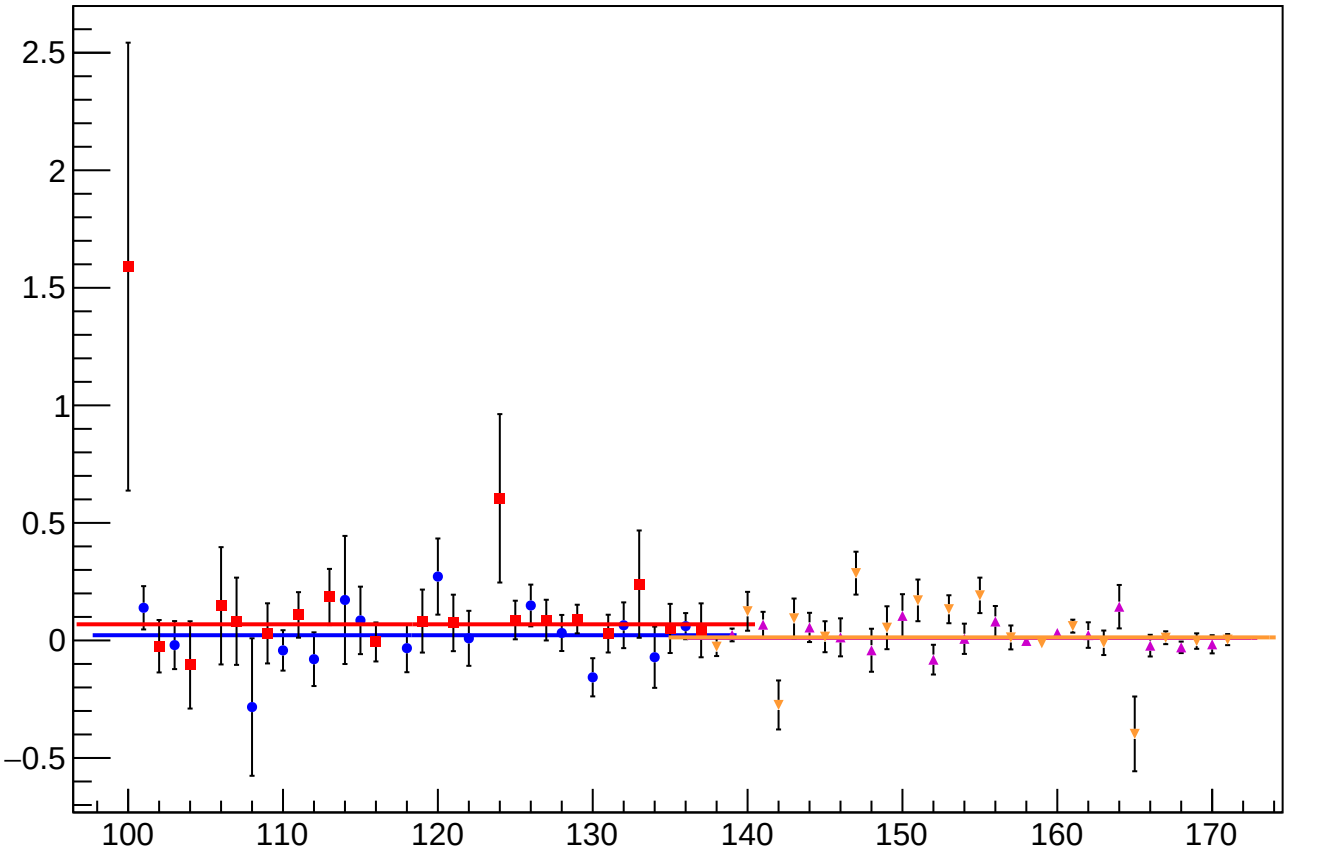
Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.857+/-0.006 χ^2/NDF:7131653.3/15

+ sign 29.825+/-0.006 χ^2/NDF: 11743174.2/33

All: 28.143+/-0.004 χ^2/NDF: 24945910.0/68

- sign 26.622+/-0.006 χ^2/NDF: 13051113.2/34



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/18

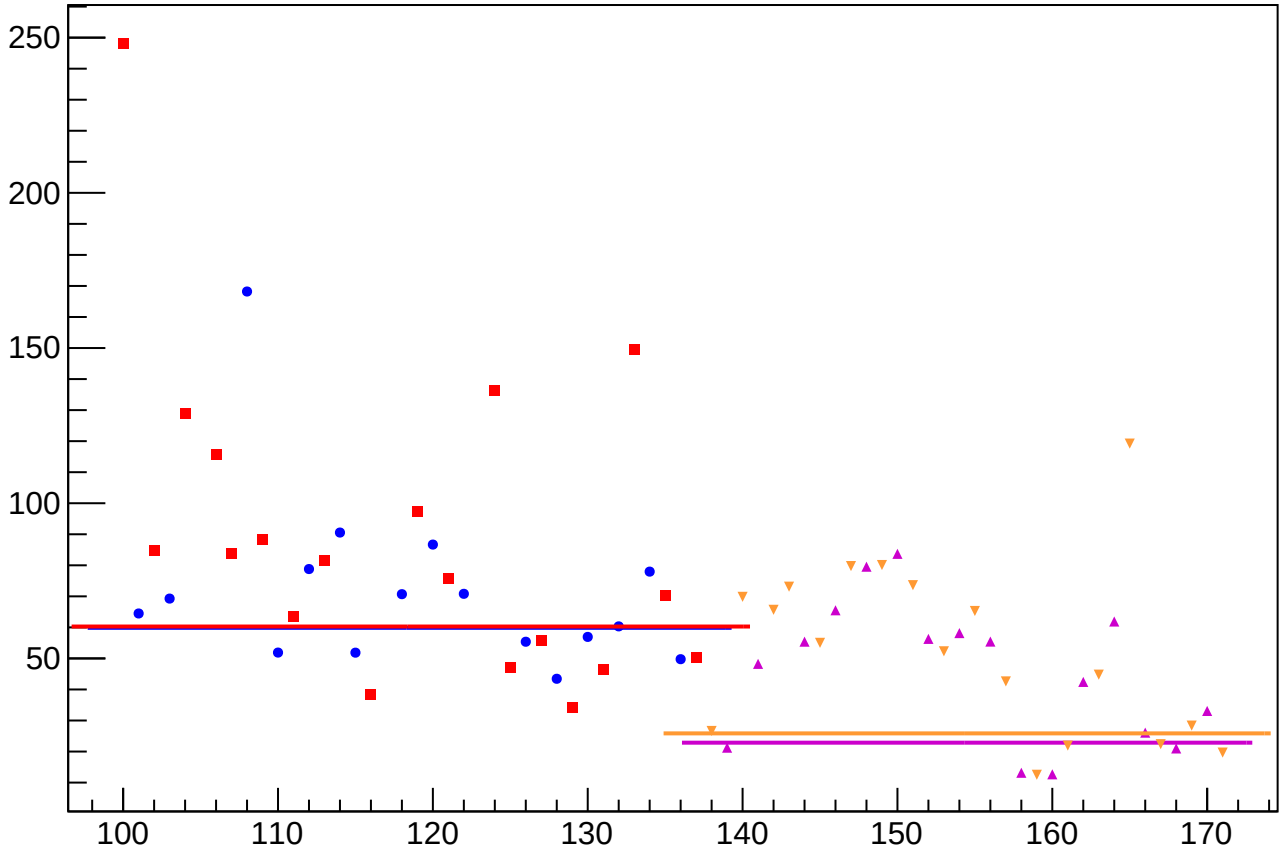
Left In: 0.011+/-0.008 χ^2/NDF:14.5/15

+ sign 0.014+/-0.008 χ^2/NDF: 61.8/33

All: 0.015+/-0.006 χ^2/NDF: 90.7/68

- sign 0.016+/-0.008 χ^2/NDF: 28.9/34

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 25.854+/-0.006 χ^2/NDF:7687307.0/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

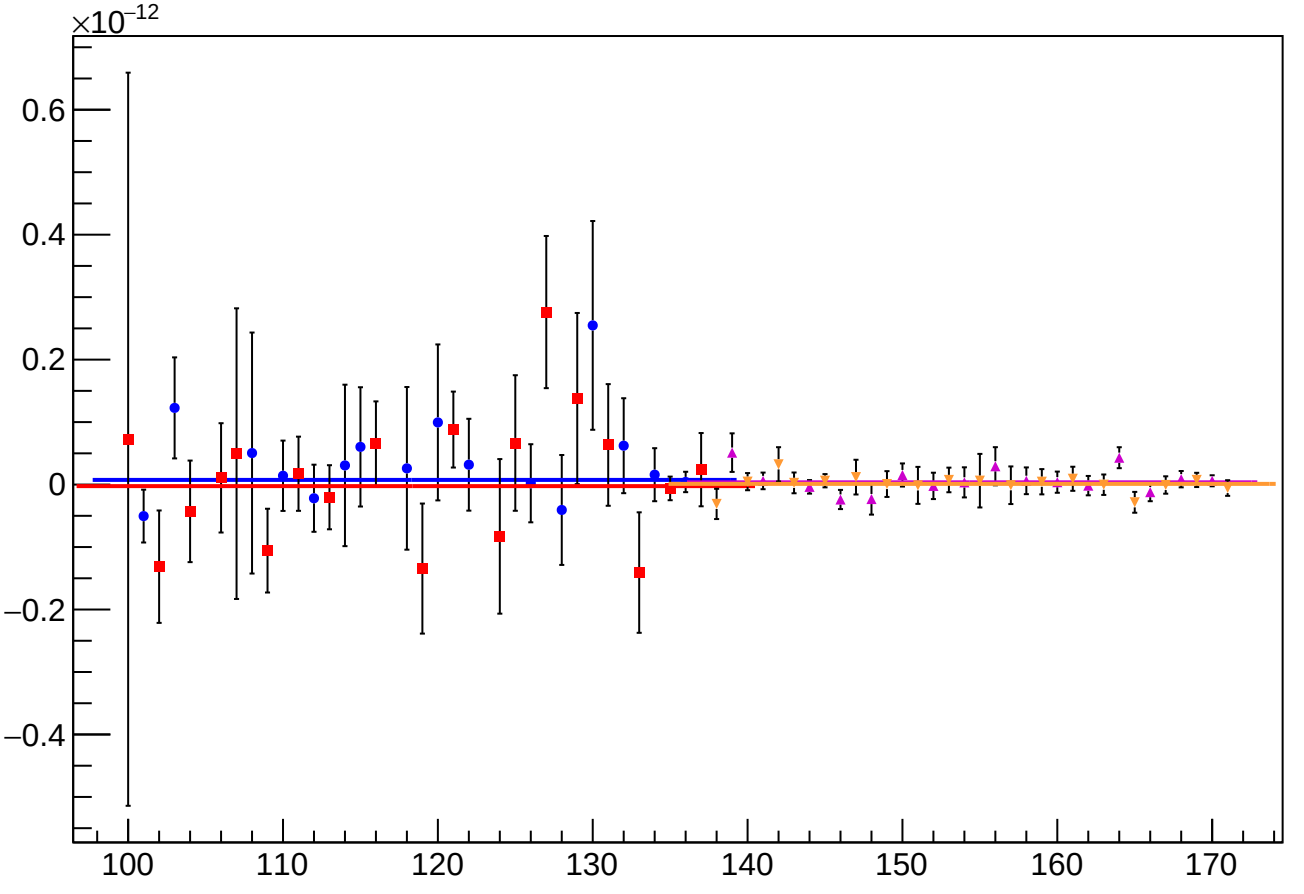
Left In: 22.857+/-0.006 χ^2/NDF:7131653.3/15

+ sign 29.825+/-0.006 χ^2/NDF: 11743174.2/33

All: 28.143+/-0.004 χ^2/NDF: 24945910.0/68

- sign 26.622+/-0.006 χ^2/NDF: 13051113.2/34

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:7.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/18

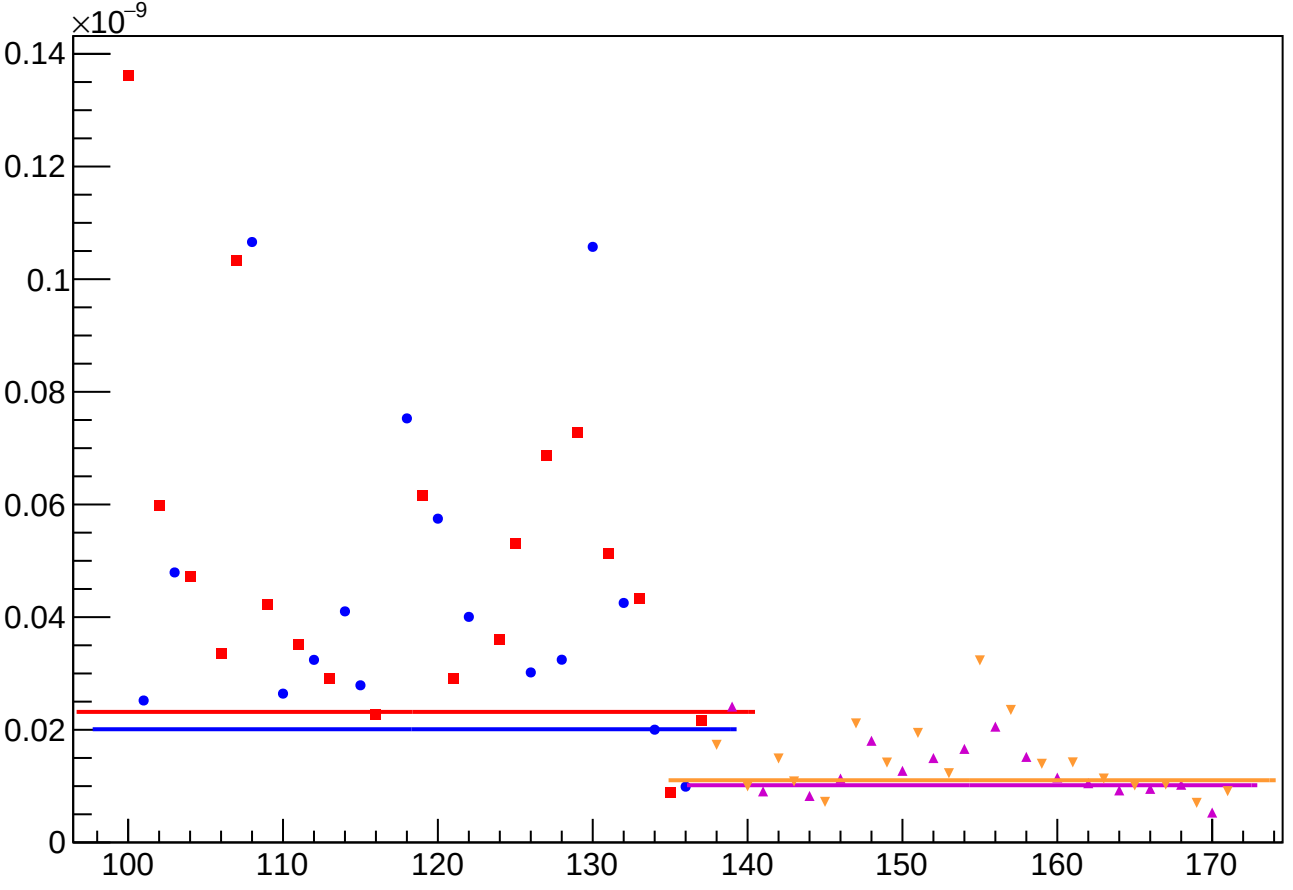
Left In: 0.000+/-0.000 χ^2/NDF:15.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 16.2/33

All: 0.000+/-0.000 χ^2/NDF: 51.6/68

- sign 0.000+/-0.000 χ^2/NDF: 35.3/34

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:2169464.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

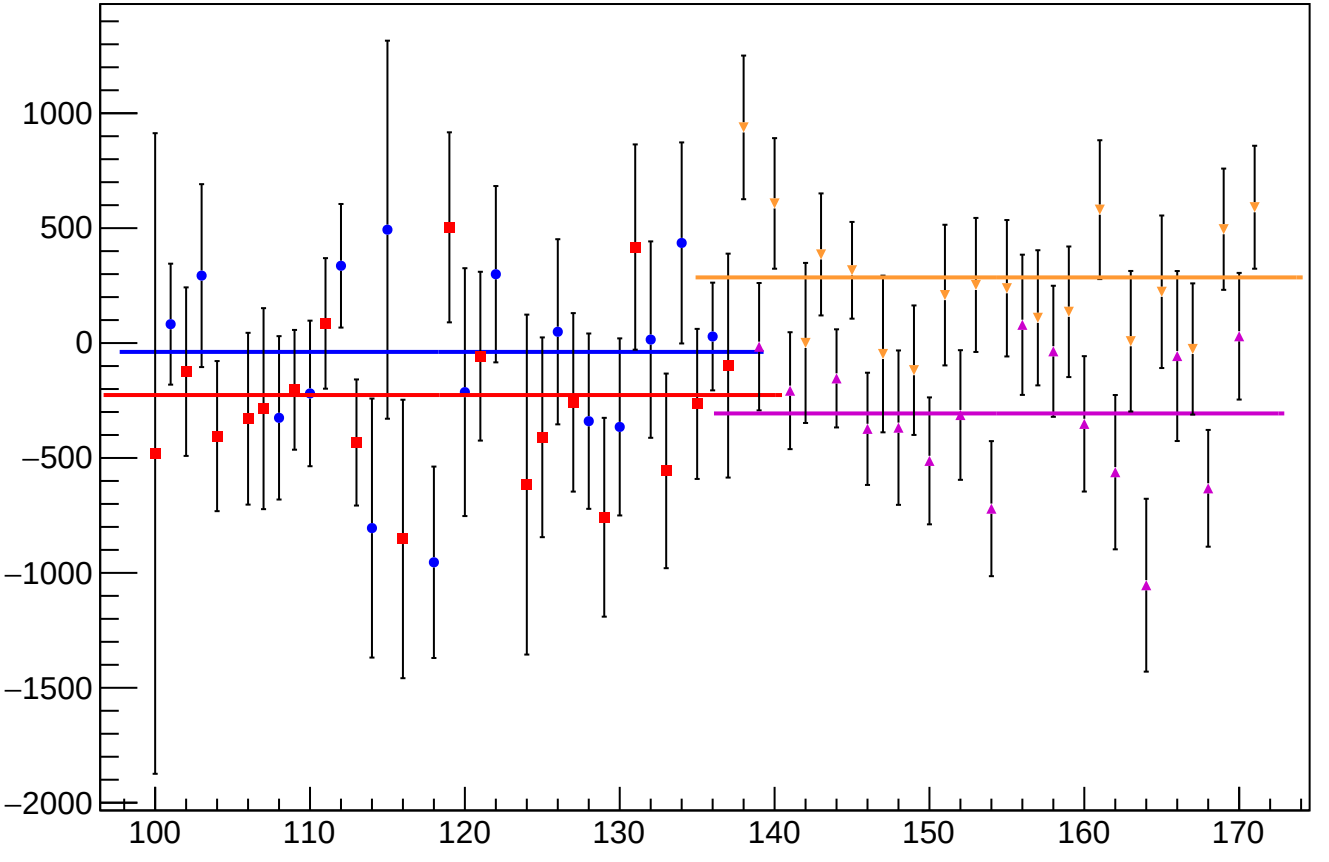
Left In: 0.000+/-0.000 χ^2/NDF:1951309.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 6292603.3/33

All: 0.000+/-0.000 χ^2/NDF: 13528938.9/68

- sign 0.000+/-0.000 χ^2/NDF: 7193524.6/34

reg_asym_sam4_mean vs Slug



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.684+/-67.736 χ^2/NDF:15.2/17

Right Out: -226.168+/-87.908 χ^2/NDF: 11.4/18

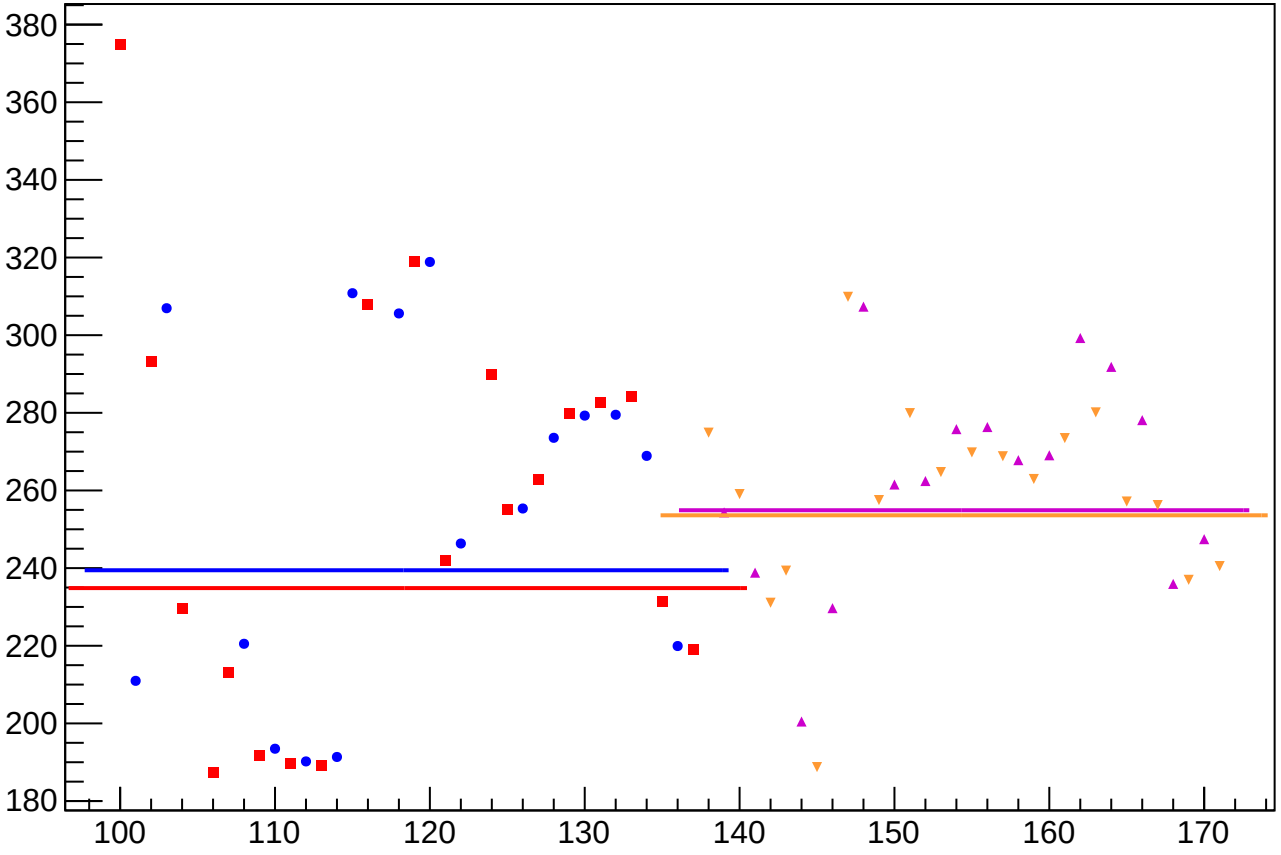
Left In: -306.260+/-70.746 χ^2/NDF:15.1/15

+ sign 169.479+/-54.254 χ^2/NDF: 37.8/33

All: -49.156+/-38.664 χ^2/NDF: 97.8/68

- sign -274.778+/-55.115 χ^2/NDF: 27.0/34

reg_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

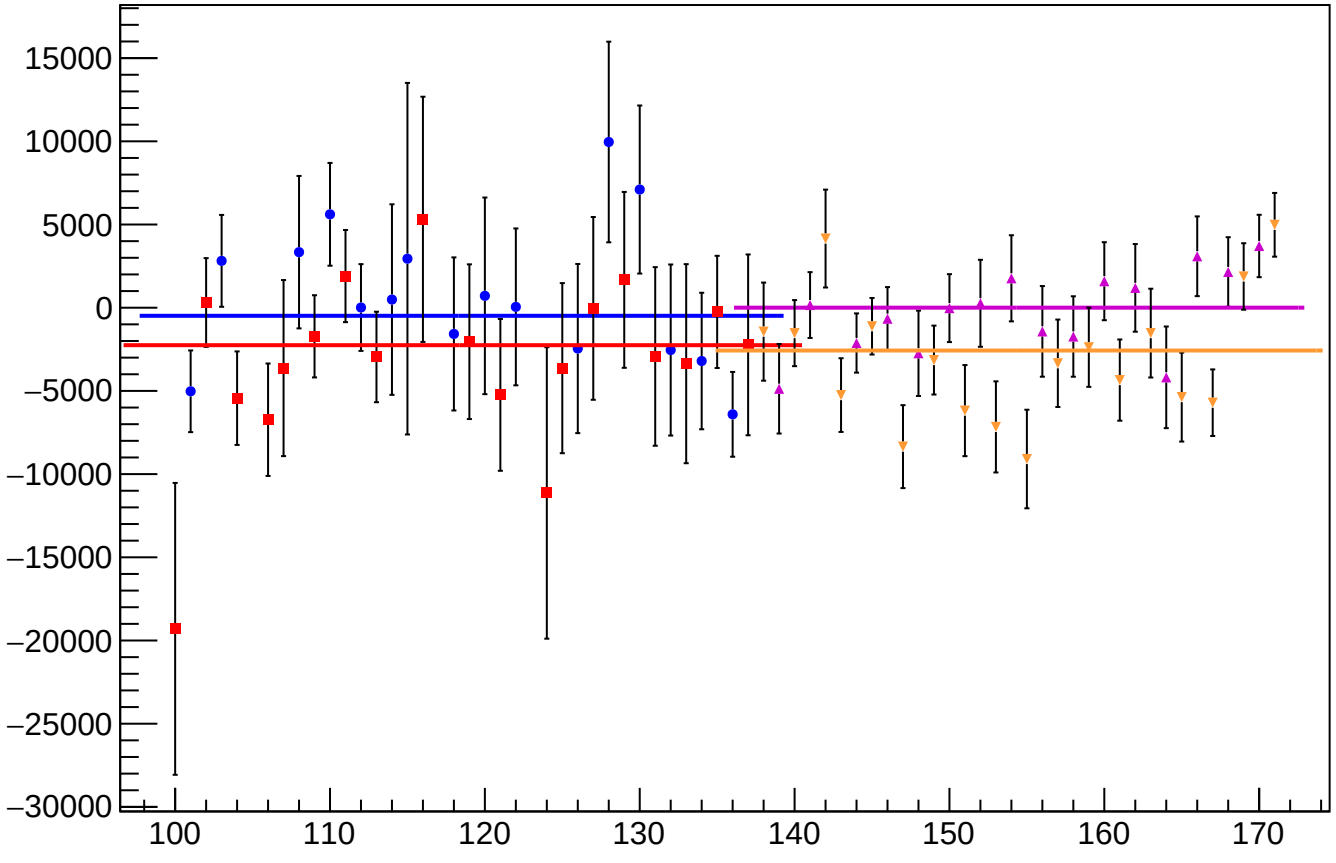
Left In: 254.911+/-0.050 χ^2/NDF:313998.7/15

+ sign 248.530+/-0.038 χ^2/NDF: 769218.1/33

All: 247.790+/-0.027 χ^2/NDF: 1628871.4/68

- sign 247.027+/-0.039 χ^2/NDF: 858898.3/34

asym_sam4_reg_correction_mean vs Slug



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2571.811+/-546.198 χ^2/NDF:47.6/17

Right Out: -2251.898+/-894.171 χ^2/NDF: 13.9/18

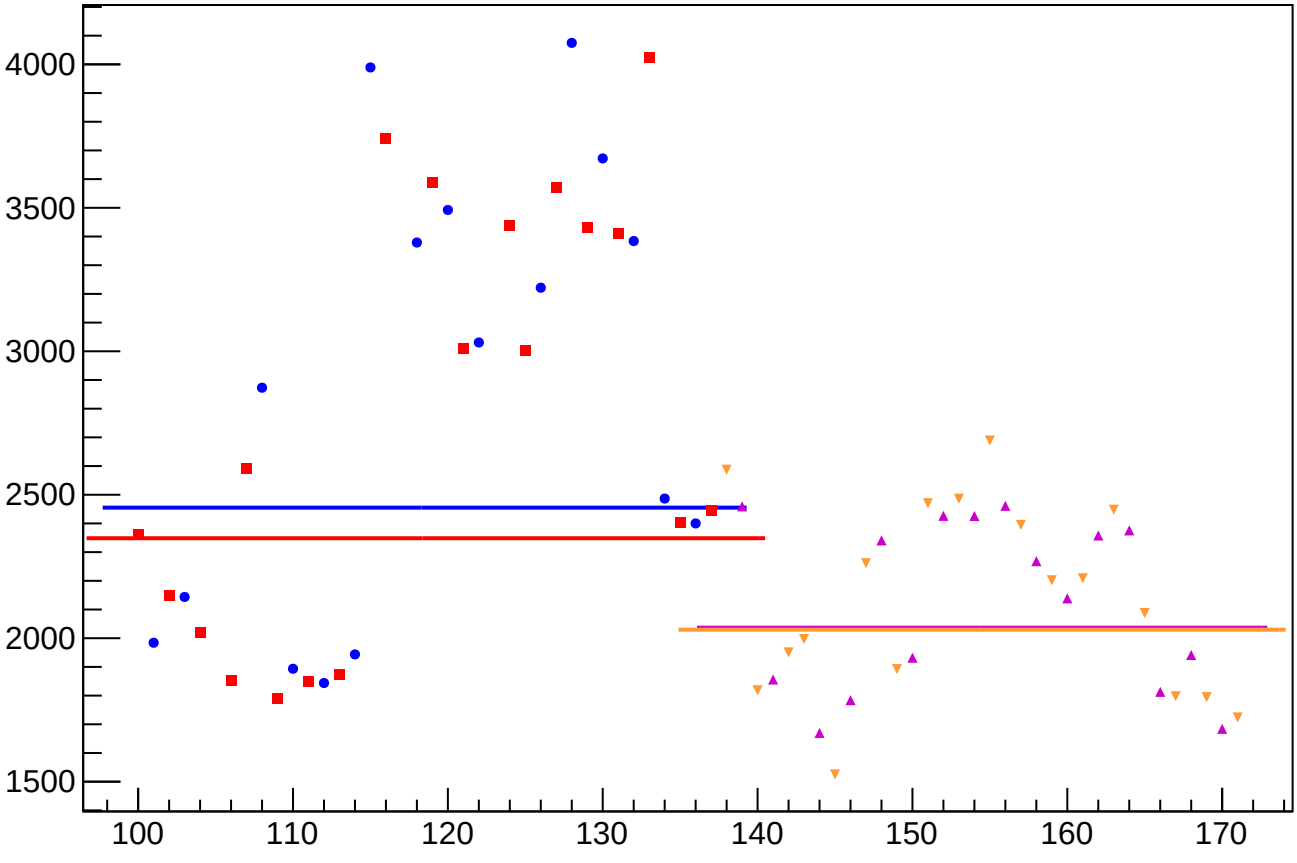
Left In: 2.734+/-567.802 χ^2/NDF:16.4/15

+ sign -2051.511+/-473.198 χ^2/NDF: 72.3/33

All: -1357.382+/-336.748 χ^2/NDF: 111.5/68

- sign -645.153+/-479.328 χ^2/NDF: 34.8/34

asym_sam4_reg_correction_rms vs Slug



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720184.1/17

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

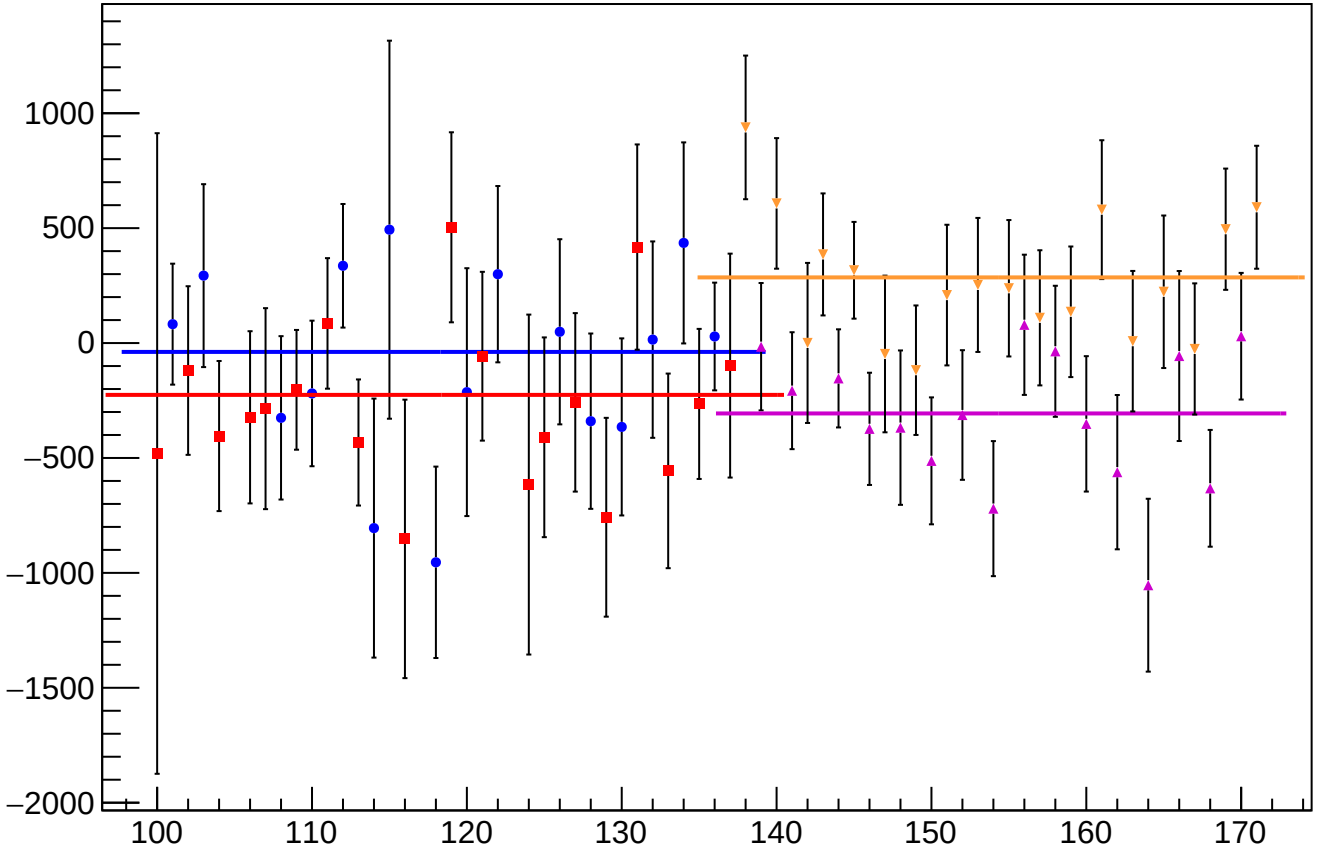
Left In: 2036.666+/-0.401 χ^2/NDF:527070.0/15

+ sign 2135.807+/-0.335 χ^2/NDF: 1917202.0/33

All: 2131.094+/-0.238 χ^2/NDF: 3670379.0/68

- sign 2126.259+/-0.339 χ^2/NDF: 1752775.0/34

cor_asym_sam4_mean vs Slug



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.690+/-67.736 χ^2/NDF:15.2/17

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

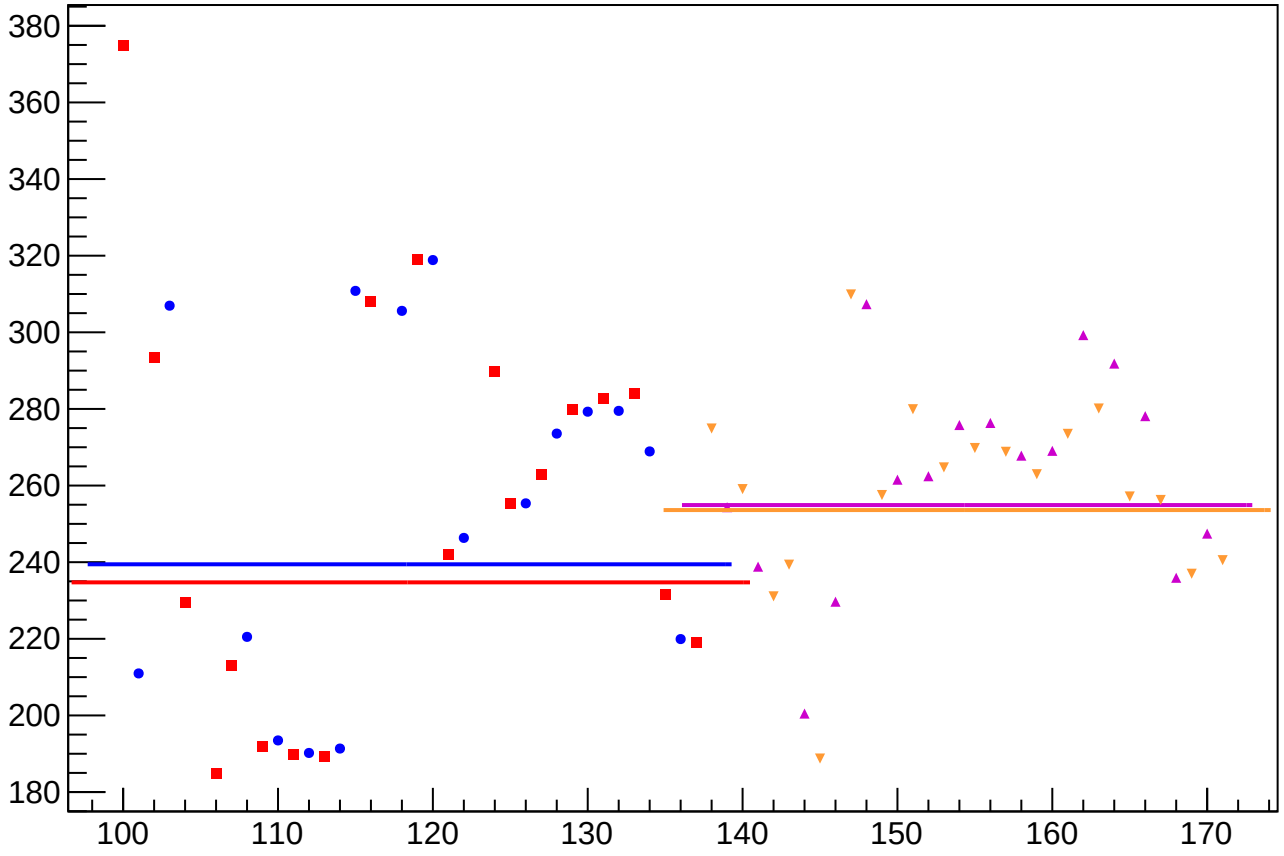
Left In: -306.260+/-70.746 χ^2/NDF:15.1/15

+ sign 169.475+/-54.254 χ^2/NDF: 37.8/33

All: -49.021+/-38.665 χ^2/NDF: 97.8/68

- sign -274.527+/-55.118 χ^2/NDF: 27.0/34

cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

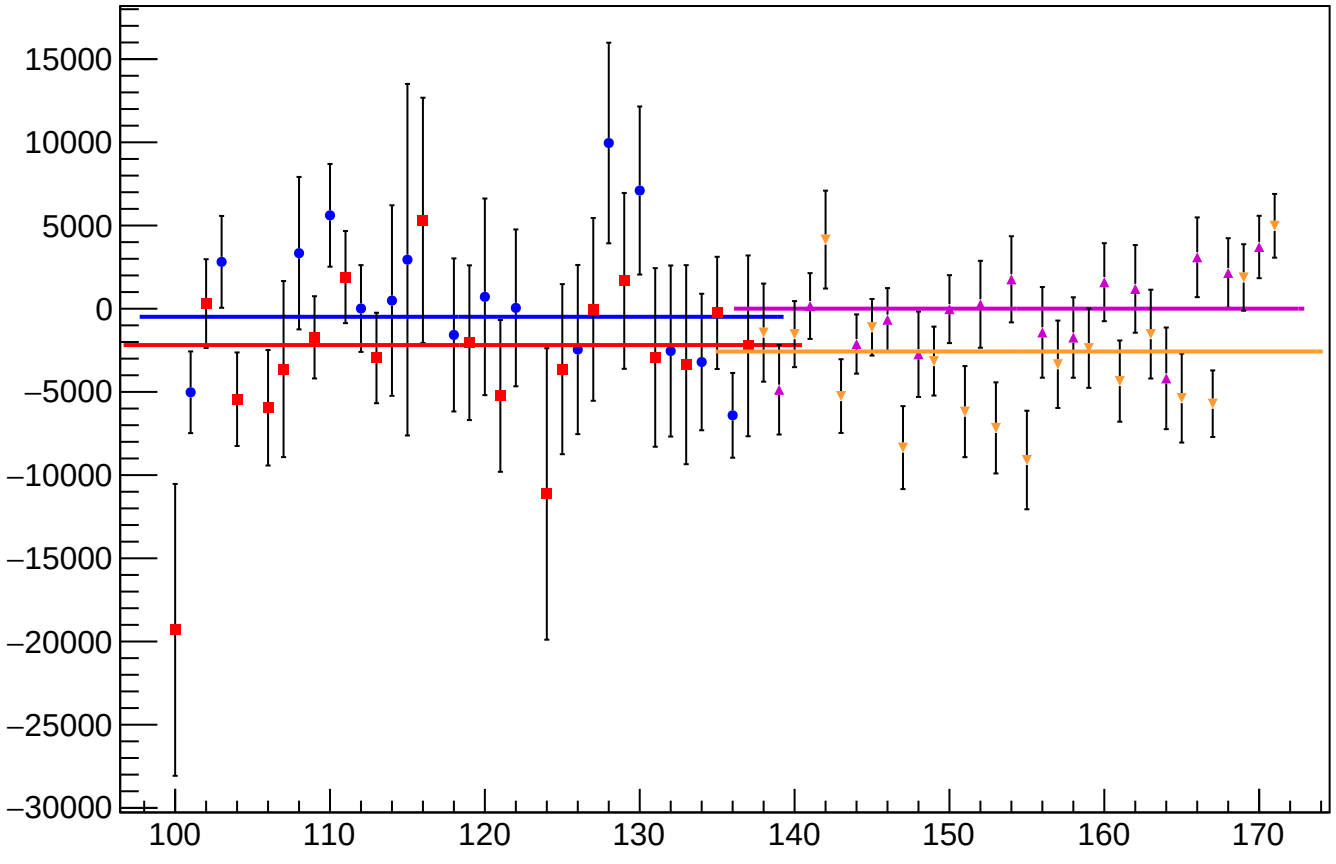
Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.911+/-0.050 χ^2/NDF:313998.8/15

+ sign 248.530+/-0.038 χ^2/NDF: 769220.2/33

All: 247.768+/-0.027 χ^2/NDF: 1633201.0/68

- sign 246.981+/-0.039 χ^2/NDF: 863178.6/34



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2571.803+/-546.198 χ^2/NDF:47.6/17

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

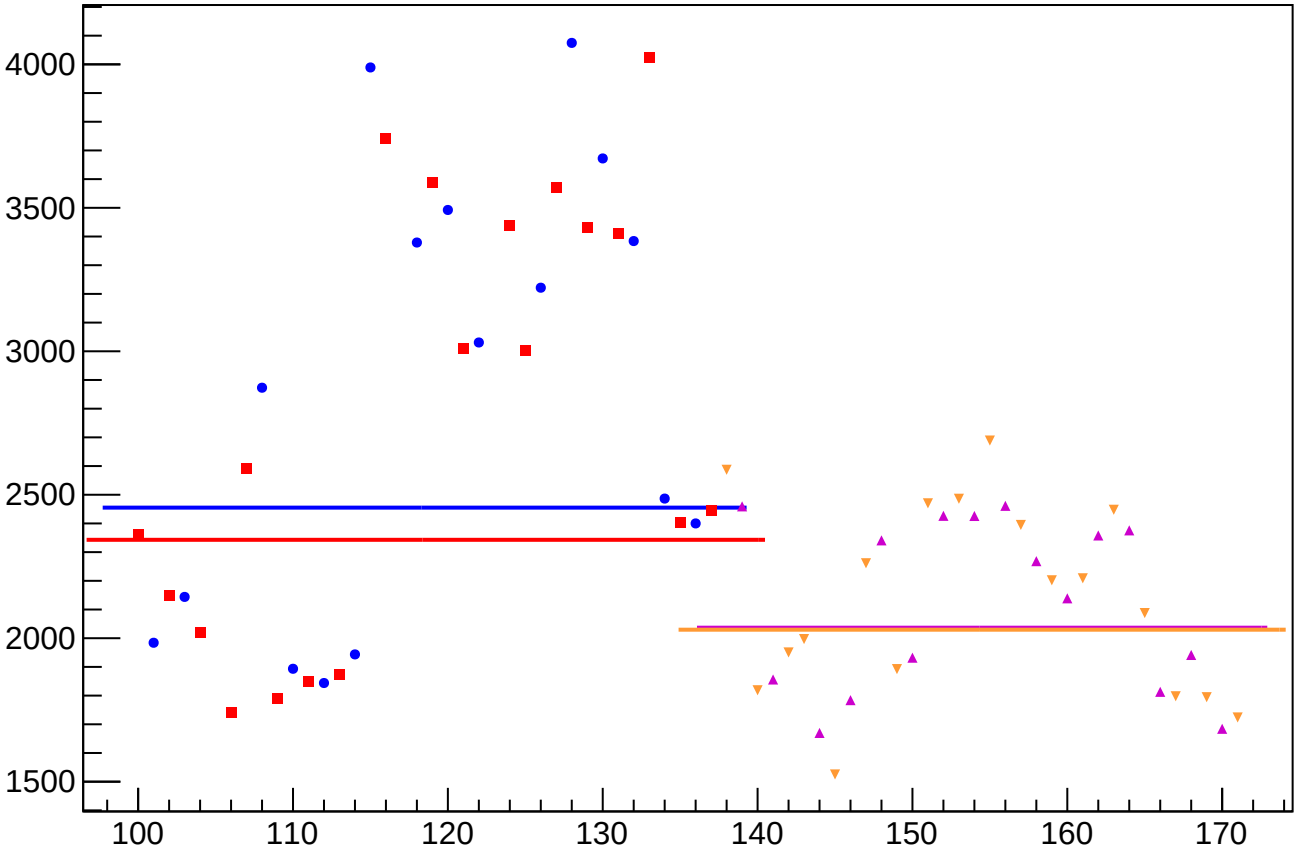
Left In: 2.717+/-567.802 χ^2/NDF:16.4/15

+ sign -2051.554+/-473.199 χ^2/NDF: 72.3/33

All: -1347.449+/-336.838 χ^2/NDF: 110.7/68

- sign -624.202+/-479.588 χ^2/NDF: 33.9/34

asym_sam4_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720186.1/17

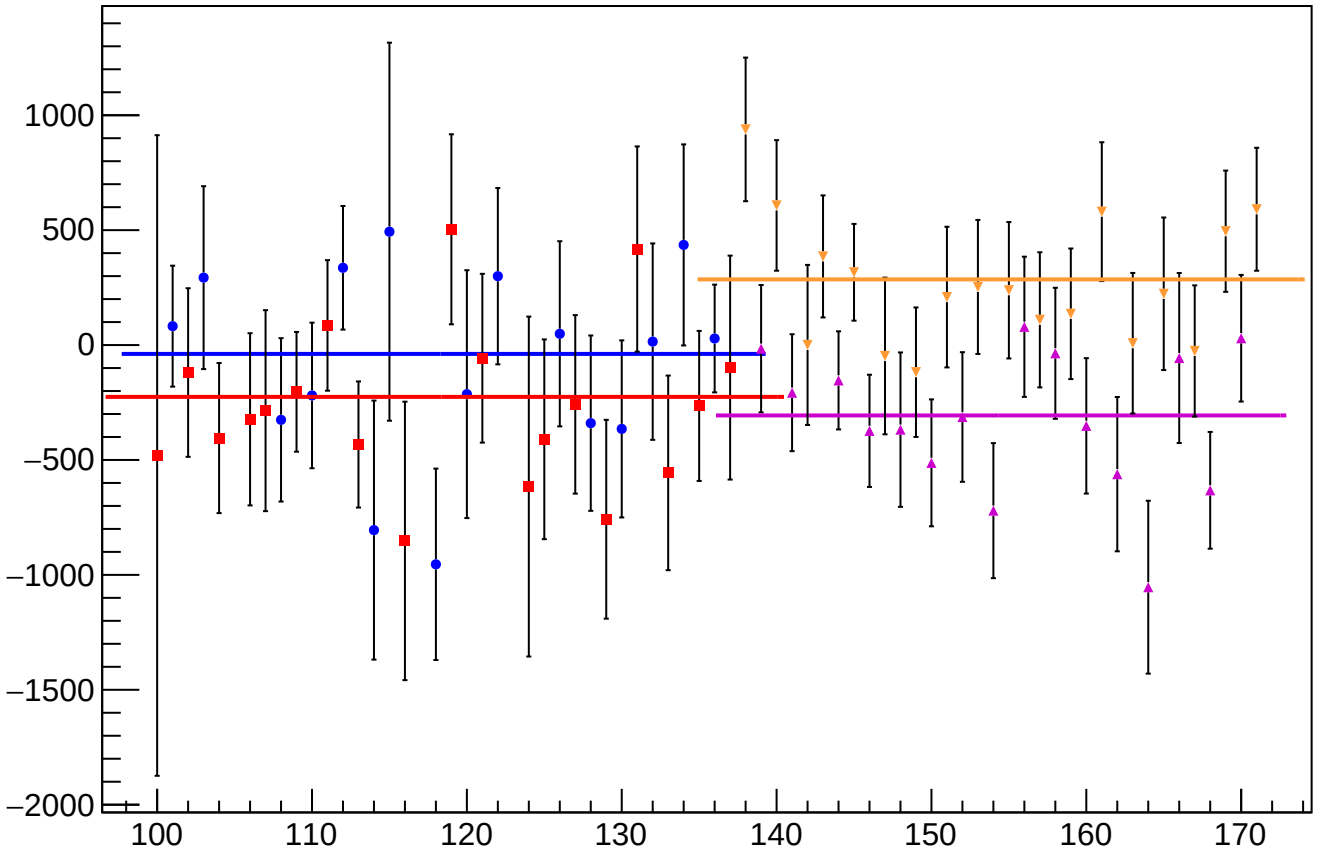
Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2036.667+/-0.401 χ^2/NDF:527068.3/15

+ sign 2135.812+/-0.335 χ^2/NDF: 1917204.0/33

All: 2130.204+/-0.238 χ^2/NDF: 3682012.2/68

- sign 2124.444+/-0.339 χ^2/NDF: 1764238.9/34



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.690+/-67.736 χ^2/NDF:15.2/17

Right Out: -225.515+/-87.922 χ^2/NDF: 11.4/18

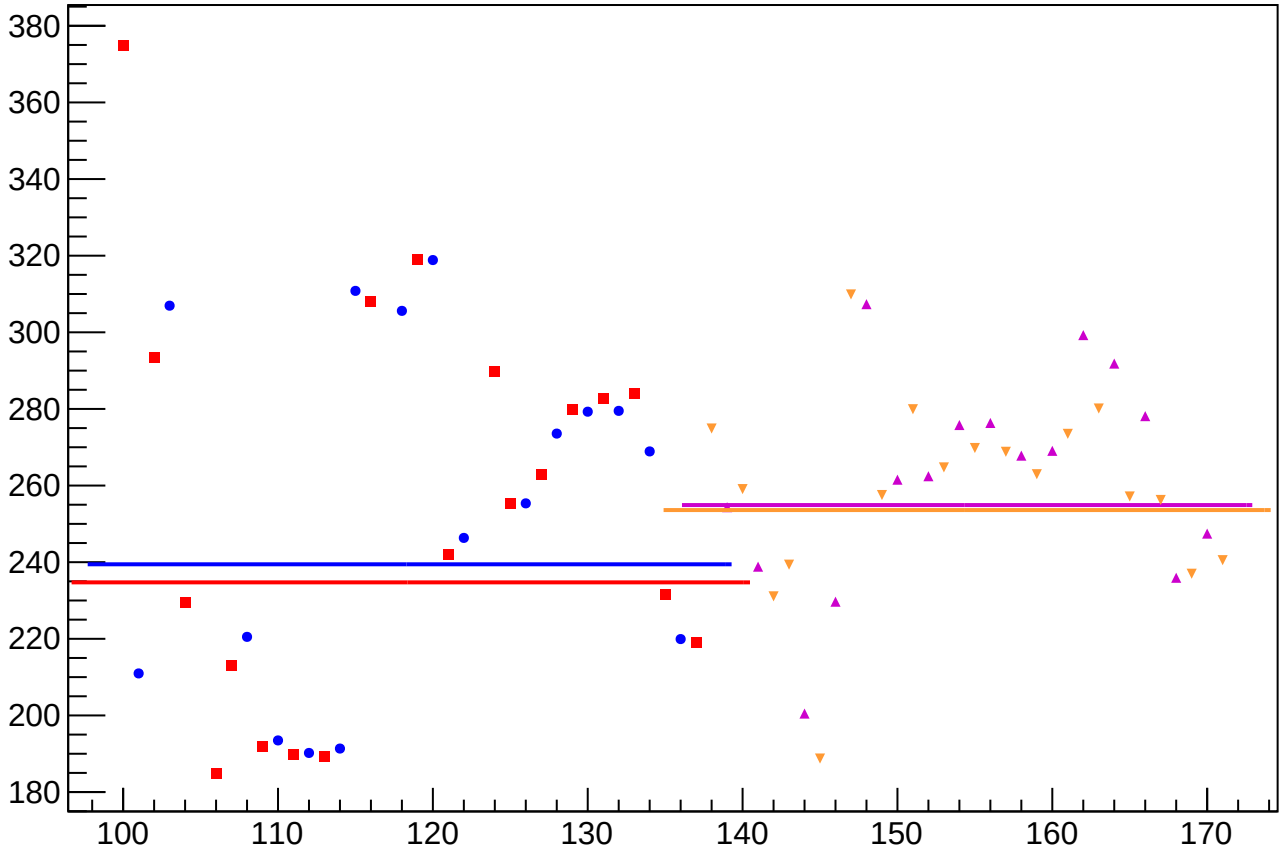
Left In: -306.260+/-70.746 χ^2/NDF:15.1/15

+ sign 169.475+/-54.254 χ^2/NDF: 37.8/33

All: -49.021+/-38.665 χ^2/NDF: 97.8/68

- sign -274.527+/-55.118 χ^2/NDF: 27.0/34

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

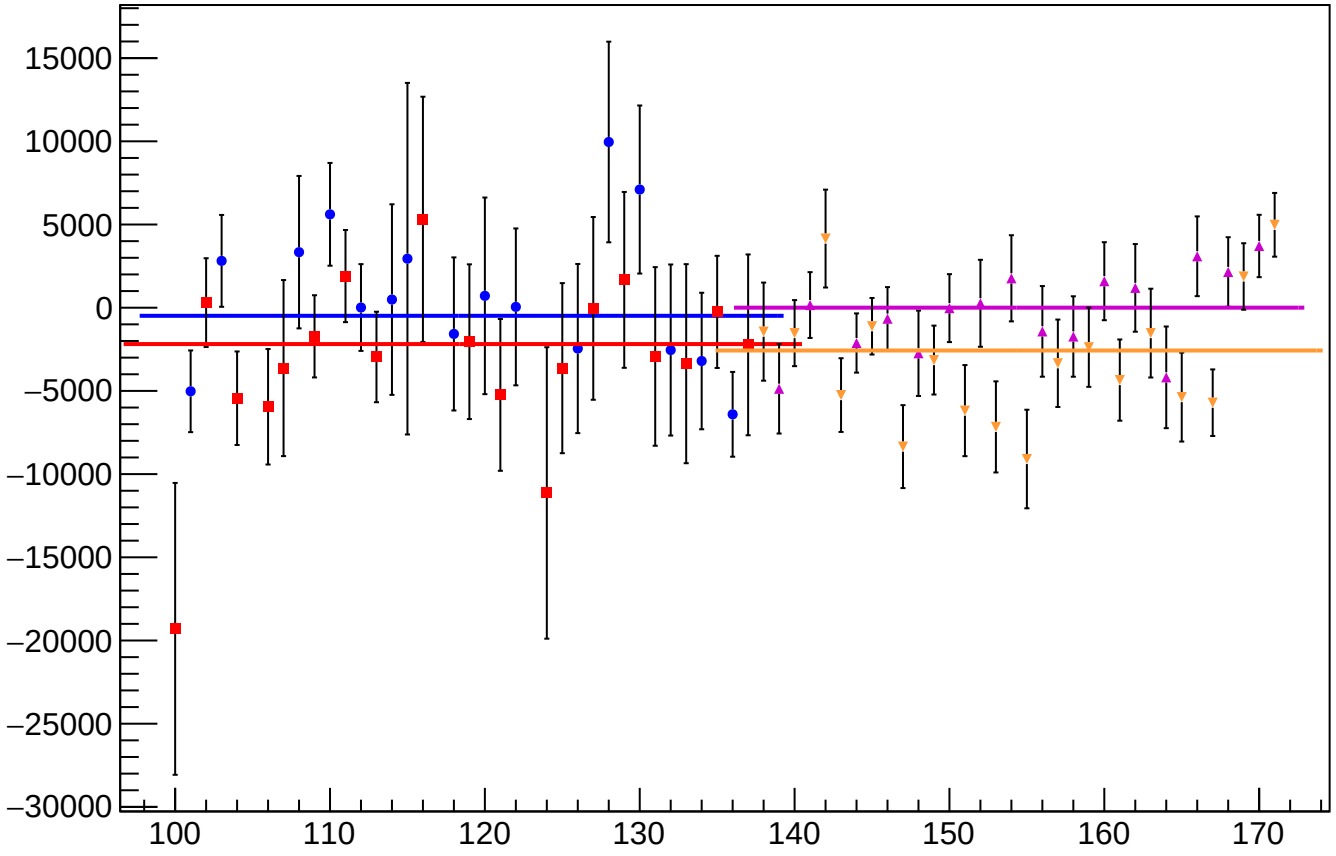
Left In: 254.911+/-0.050 χ^2/NDF:313998.8/15

+ sign 248.530+/-0.038 χ^2/NDF: 769220.2/33

All: 247.768+/-0.027 χ^2/NDF: 1633201.0/68

- sign 246.981+/-0.039 χ^2/NDF: 863178.6/34

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2571.803+/-546.198 χ^2/NDF:47.6/17

Right Out: -2184.834+/-895.863 χ^2/NDF: 13.3/18

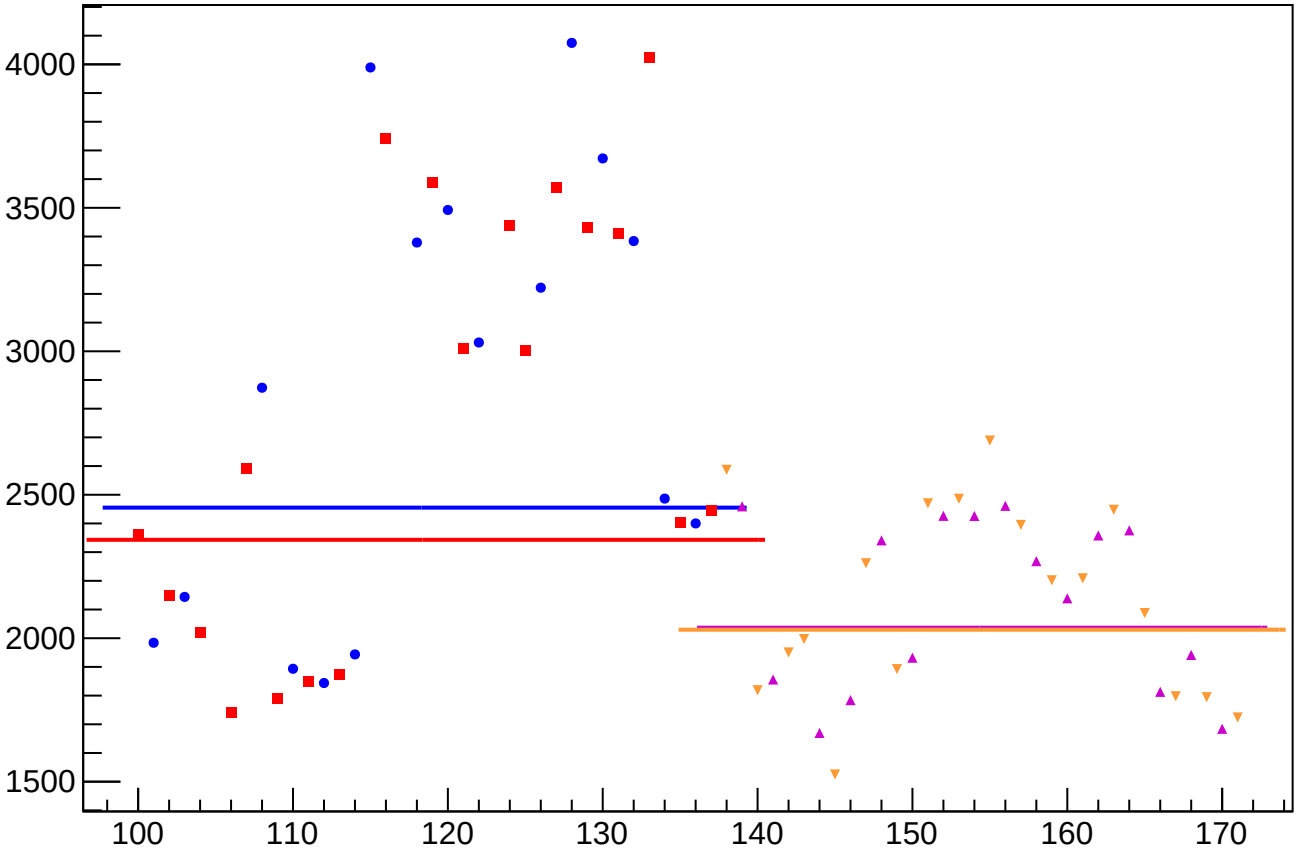
Left In: 2.717+/-567.802 χ^2/NDF:16.4/15

+ sign -2051.554+/-473.199 χ^2/NDF: 72.3/33

All: -1347.449+/-336.838 χ^2/NDF: 110.7/68

- sign -624.202+/-479.588 χ^2/NDF: 33.9/34

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720186.1/17

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

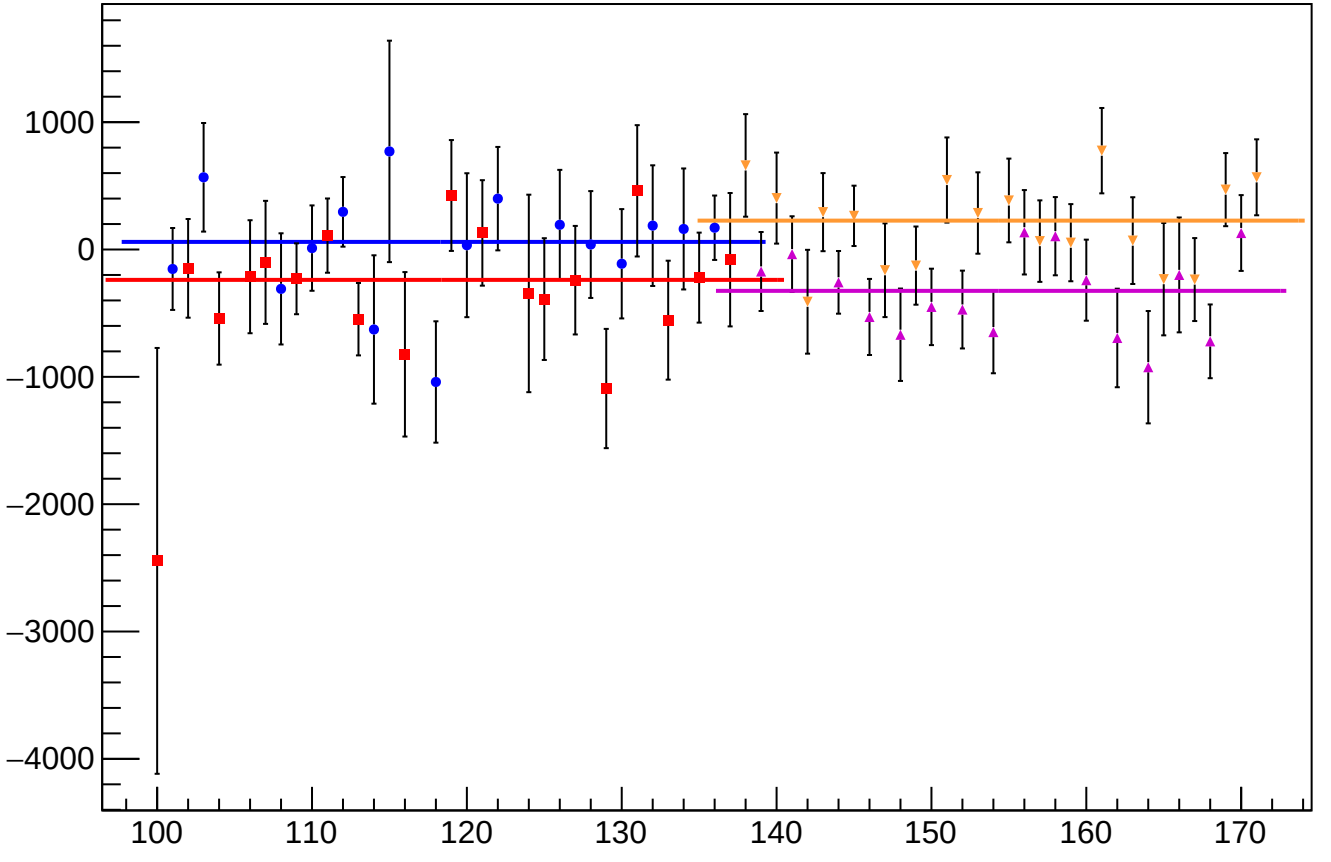
Left In: 2036.667+/-0.401 χ^2/NDF:527068.3/15

+ sign 2135.812+/-0.335 χ^2/NDF: 1917204.0/33

All: 2130.204+/-0.238 χ^2/NDF: 3682012.2/68

- sign 2124.444+/-0.339 χ^2/NDF: 1764238.9/34

dit_asym_sam4_mean vs Slug



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.864+/-76.571 χ^2/NDF:16.1/17

Right Out: -238.516+/-95.062 χ^2/NDF: 14.9/18

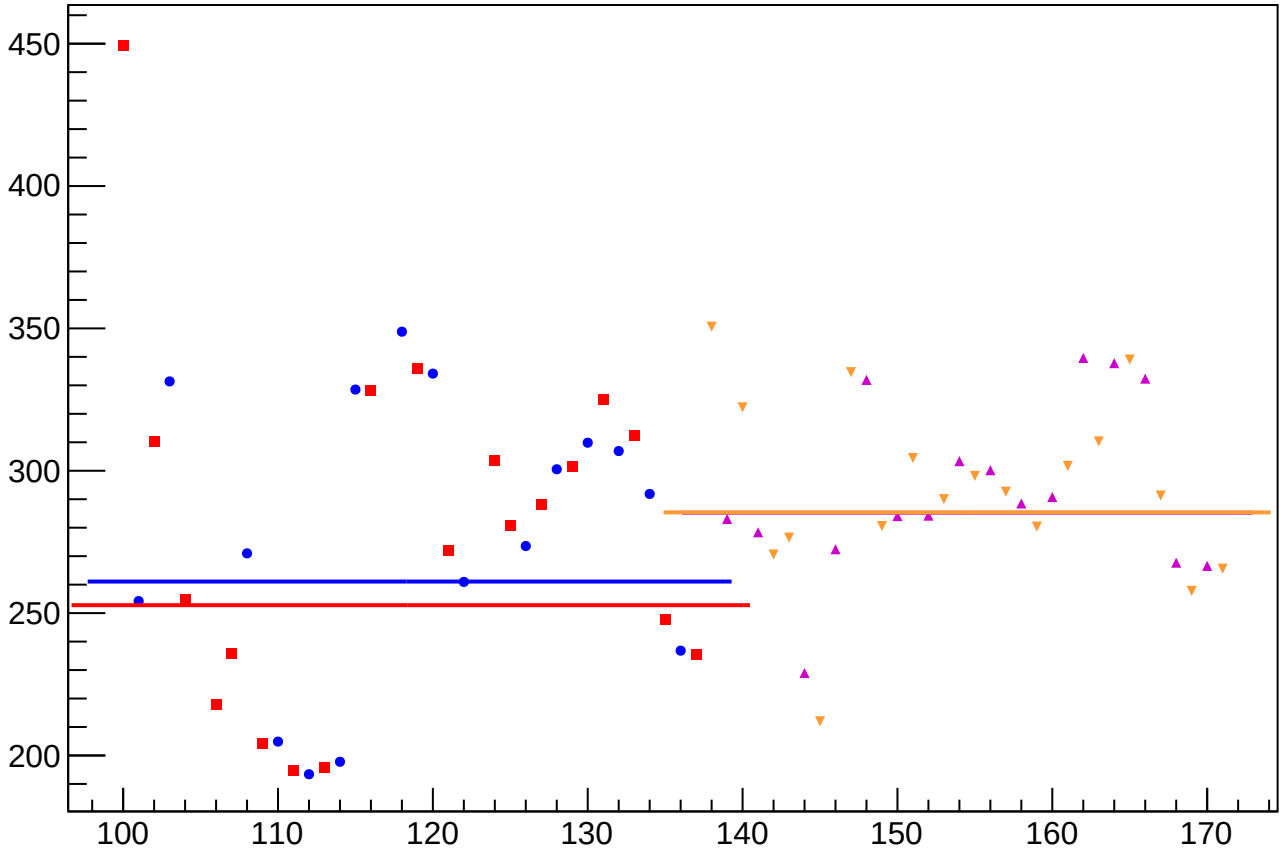
Left In: -324.723+/-79.577 χ^2/NDF:15.0/15

+ sign 164.486+/-60.621 χ^2/NDF: 29.9/33

All: -60.873+/-43.006 χ^2/NDF: 88.2/68

- sign -289.203+/-61.020 χ^2/NDF: 30.5/34

dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 285.374+/-0.054 χ^2/NDF:390616.4/17

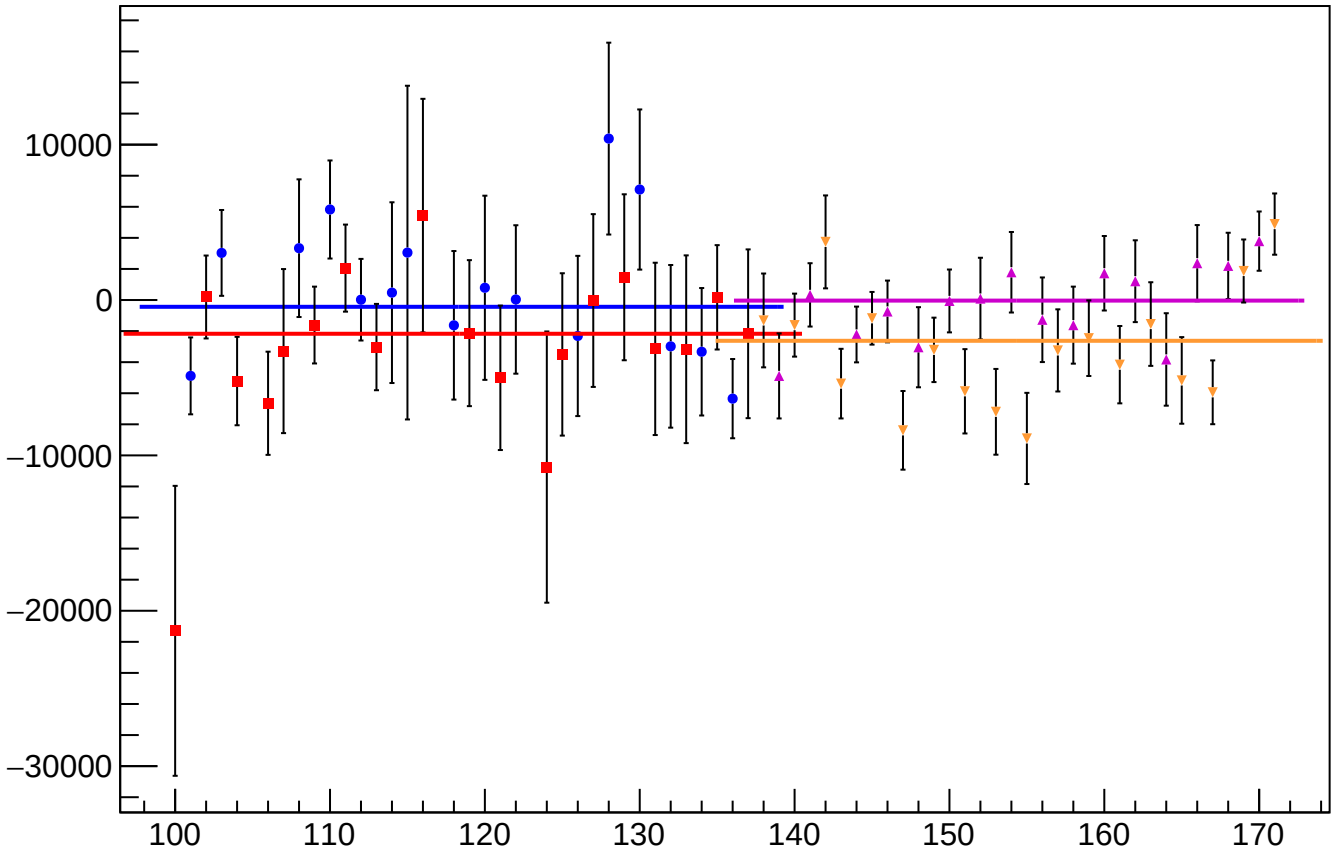
Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 285.265+/-0.056 χ^2/NDF:258537.6/15

+ sign 276.310+/-0.043 χ^2/NDF: 928361.7/33

All: 274.111+/-0.030 χ^2/NDF: 1866746.6/68

- sign 271.883+/-0.043 χ^2/NDF: 933086.3/34



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2624.801+/-553.693 χ^2/NDF:44.7/17

Right Out: -2172.091+/-901.102 χ^2/NDF: 14.0/18

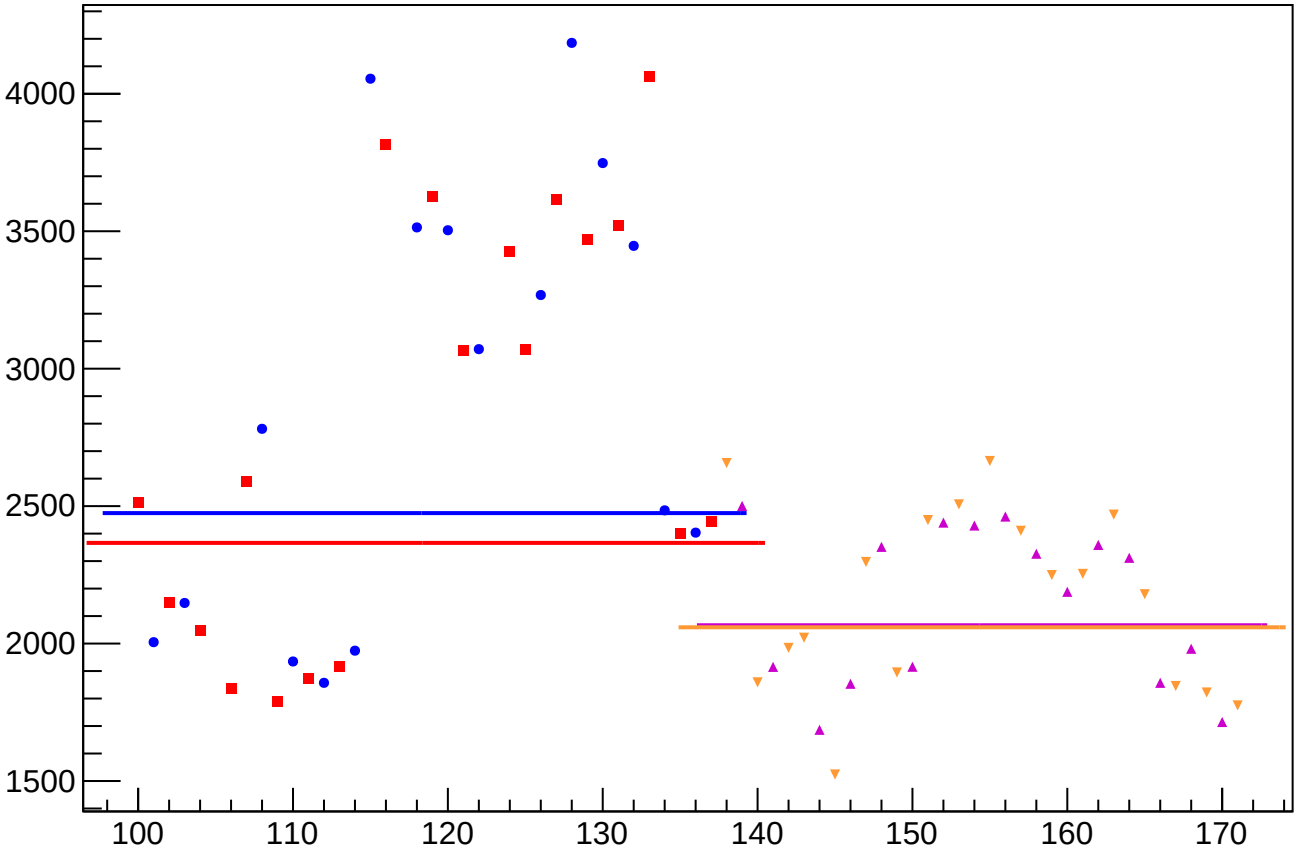
Left In: -37.422+/-575.804 χ^2/NDF:15.7/15

+ sign -2074.441+/-479.024 χ^2/NDF: 69.8/33

All: -1374.477+/-340.885 χ^2/NDF: 107.8/68

- sign -656.336+/-485.203 χ^2/NDF: 33.7/34

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2059.153+/-0.392 χ^2/NDF:708549.4/17

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

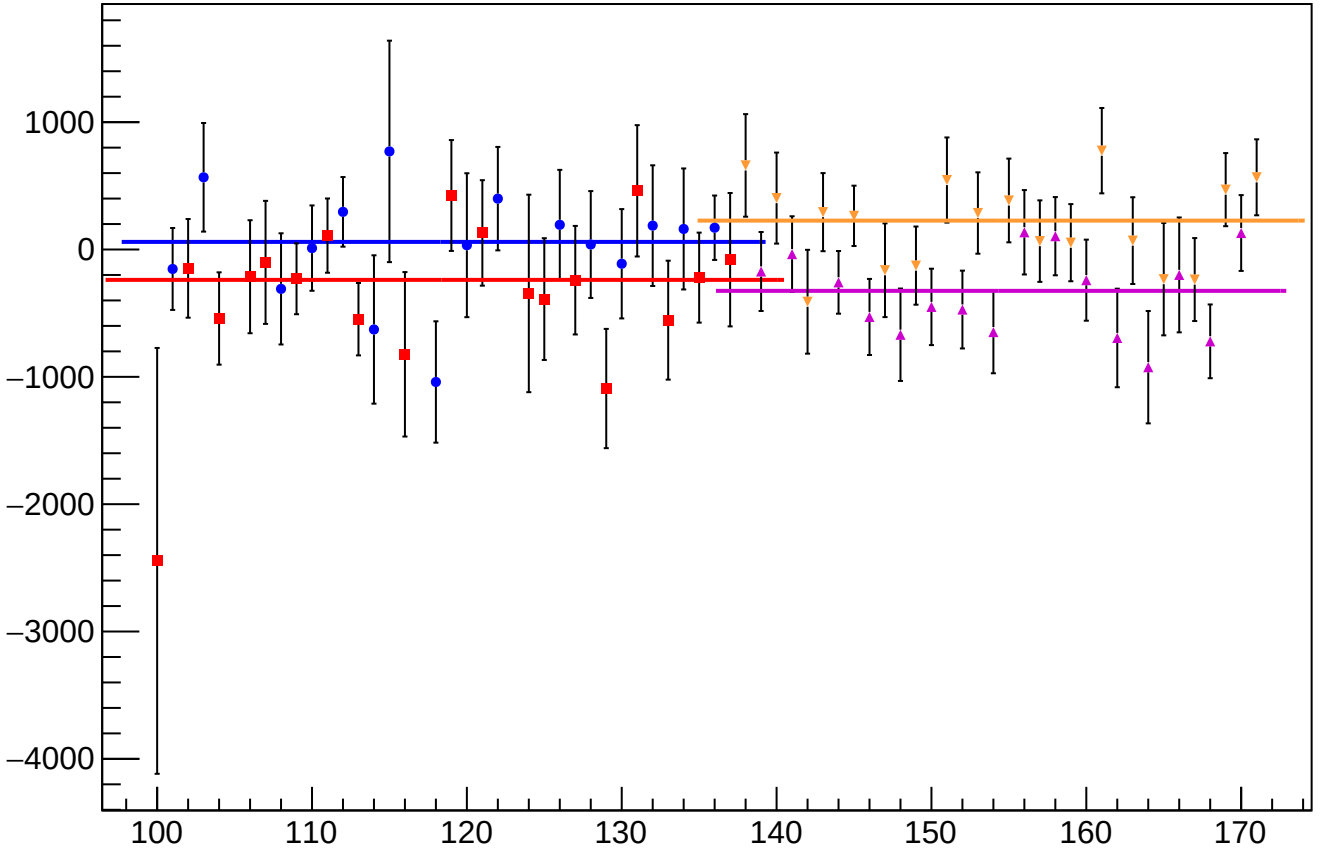
Left In: 2066.623+/-0.407 χ^2/NDF:482825.1/15

\+ sign 2163.655+/-0.339 χ^2/NDF: 1908039.8/33

All: 2158.636+/-0.241 χ^2/NDF: 3625470.3/68

\- sign 2153.487+/-0.343 χ^2/NDF: 1716985.6/34

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.869+/-76.572 χ^2/NDF:16.1/17

Right Out: -238.515+/-95.062 χ^2/NDF: 14.9/18

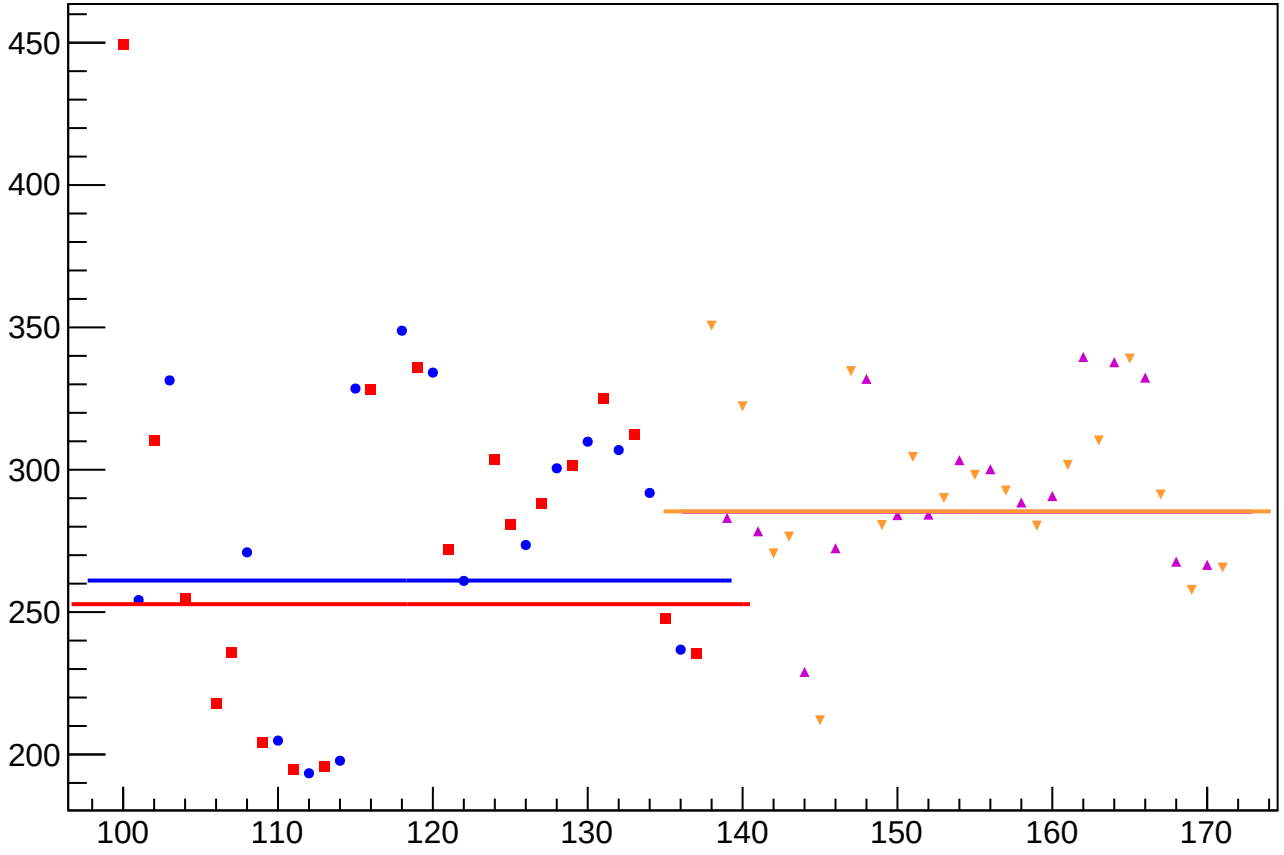
Left In: -324.725+/-79.578 χ^2/NDF:15.0/15

+ sign 164.491+/-60.621 χ^2/NDF: 29.9/33

All: -60.871+/-43.006 χ^2/NDF: 88.2/68

- sign -289.204+/-61.020 χ^2/NDF: 30.5/34

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 285.374+/-0.054 χ^2/NDF:390613.7/17

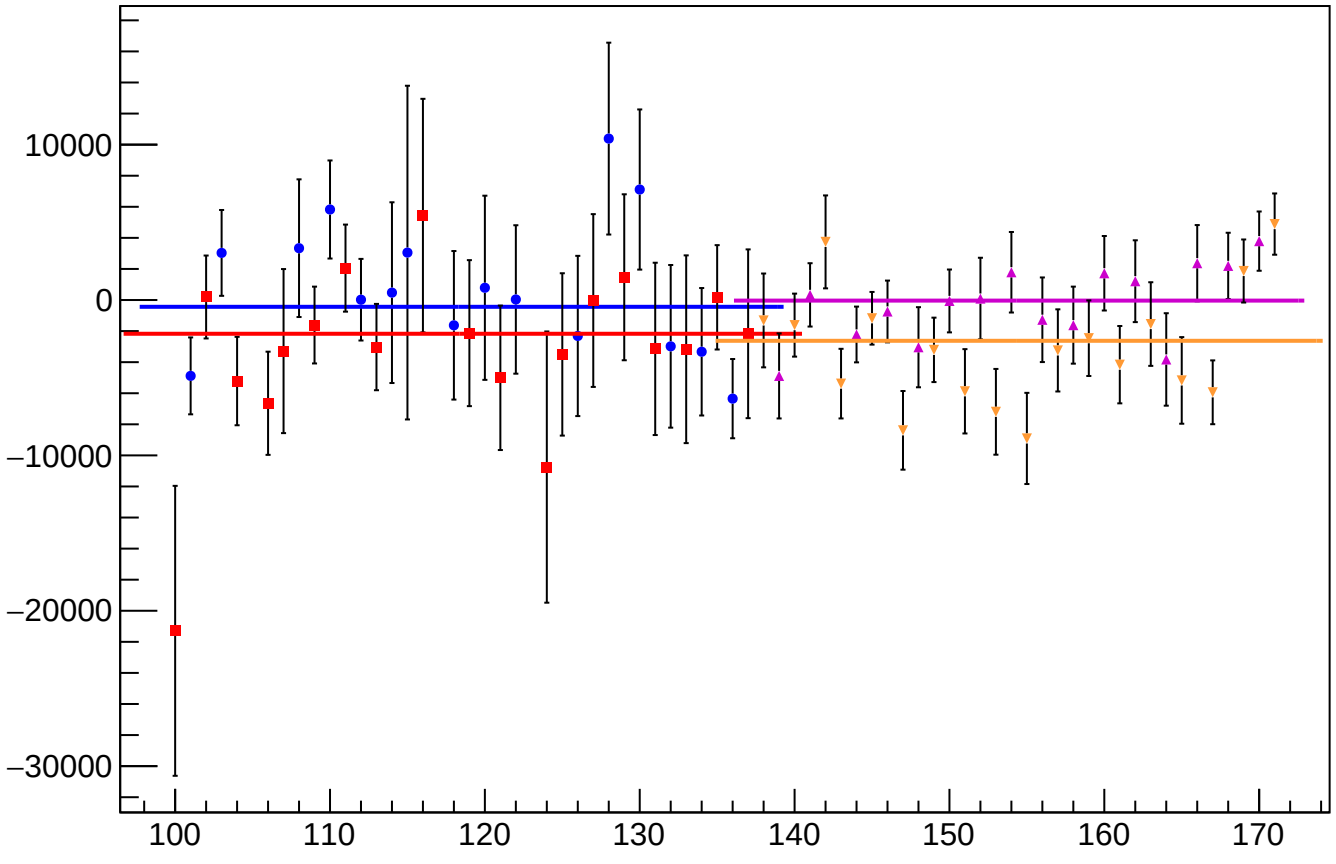
Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 285.265+/-0.056 χ^2/NDF:258537.1/15

+ sign 276.310+/-0.043 χ^2/NDF: 928364.2/33

All: 274.111+/-0.030 χ^2/NDF: 1866754.8/68

- sign 271.883+/-0.043 χ^2/NDF: 933091.7/34



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2624.796+/-553.692 χ^2/NDF:44.7/17

Right Out: -2172.089+/-901.101 χ^2/NDF: 14.0/18

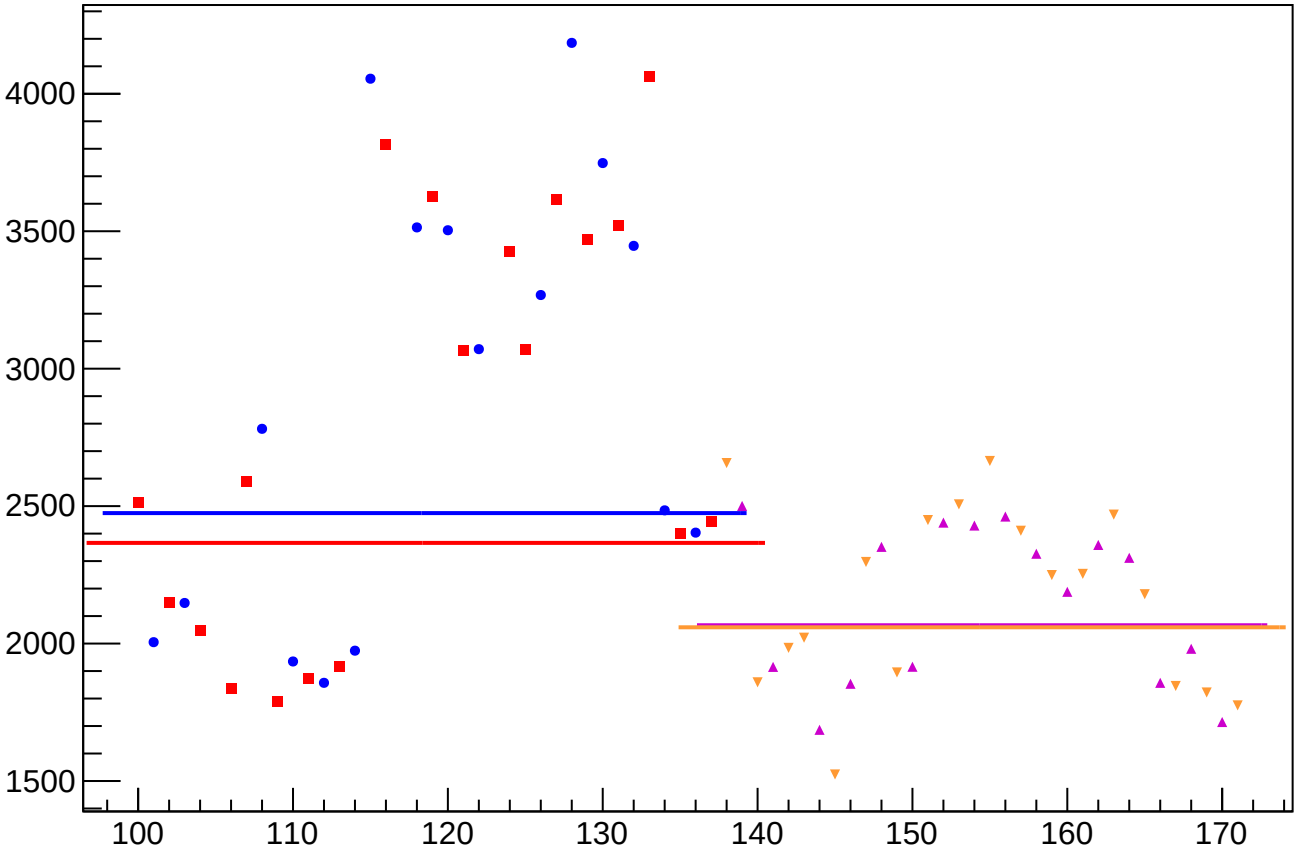
Left In: -37.420+/-575.803 χ^2/NDF:15.7/15

+ sign -2074.438+/-479.023 χ^2/NDF: 69.8/33

All: -1374.474+/-340.884 χ^2/NDF: 107.8/68

- sign -656.334+/-485.203 χ^2/NDF: 33.7/34

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2059.151+/-0.392 χ^2/NDF:708554.0/17

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

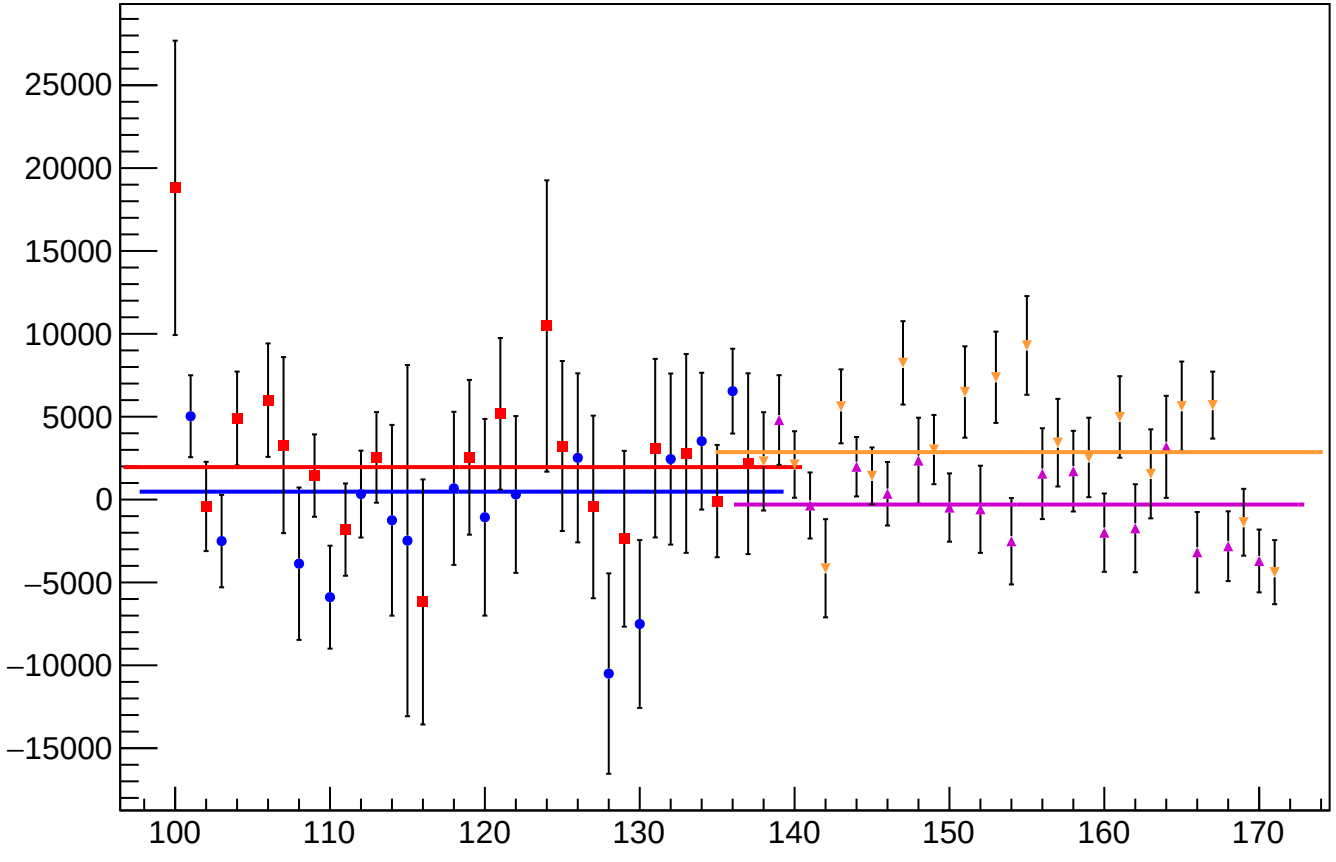
Left In: 2066.621+/-0.407 χ^2/NDF:482826.4/15

+ sign 2163.653+/-0.339 χ^2/NDF: 1908049.4/33

All: 2158.634+/-0.241 χ^2/NDF: 3625484.6/68

- sign 2153.485+/-0.343 χ^2/NDF: 1716990.4/34

asym_sam4_mean vs Slug



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2862.261+/-550.650 χ^2/NDF:44.2/17

Right Out: 1959.491+/-899.702 χ^2/NDF: 12.8/18

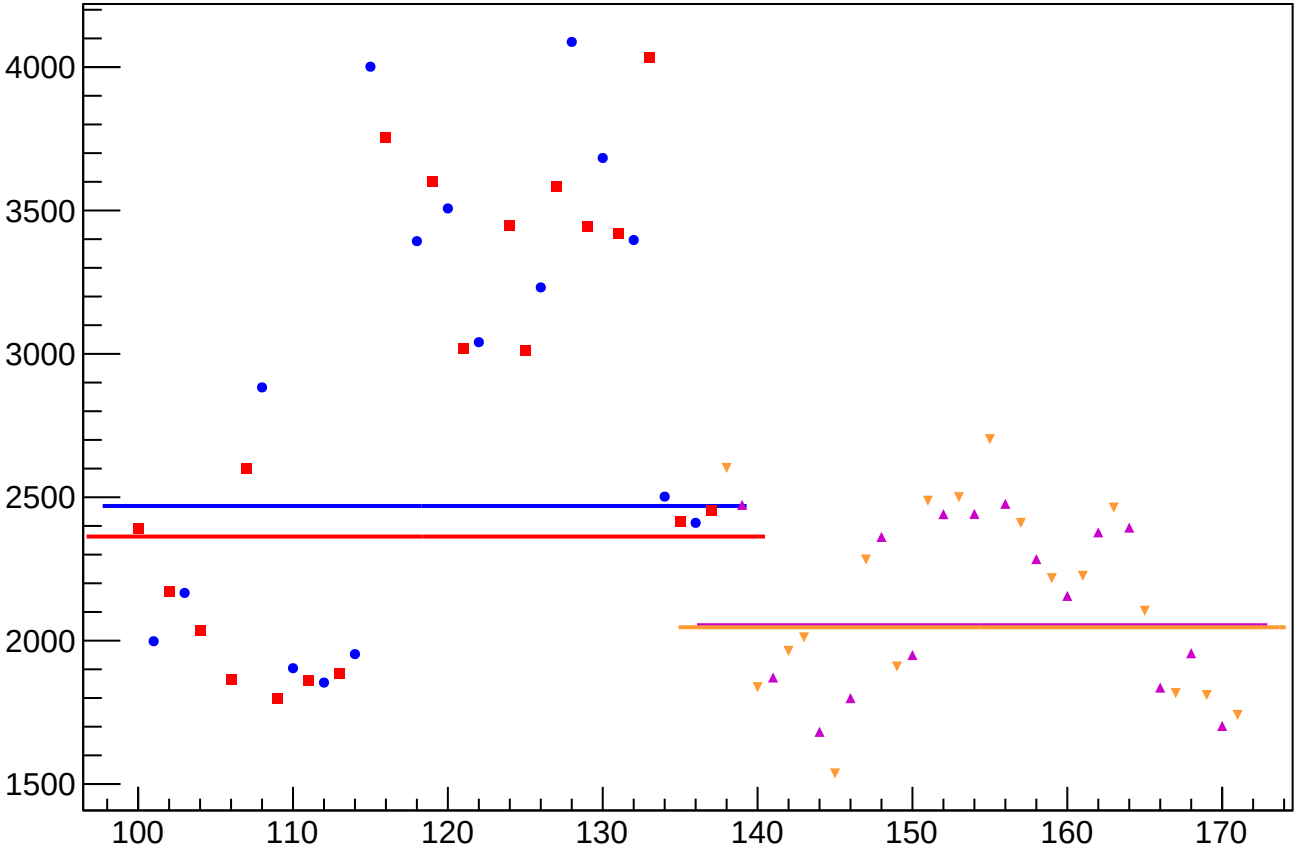
Left In: -299.762+/-572.467 χ^2/NDF:16.4/15

+ sign 2265.077+/-476.751 χ^2/NDF: 71.0/33

All: 1320.629+/-339.297 χ^2/NDF: 112.7/68

- sign 351.320+/-482.985 χ^2/NDF: 33.7/34

asym_sam4_rms vs Slug



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2046.675+/-0.389 χ^2/NDF:711110.1/17

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

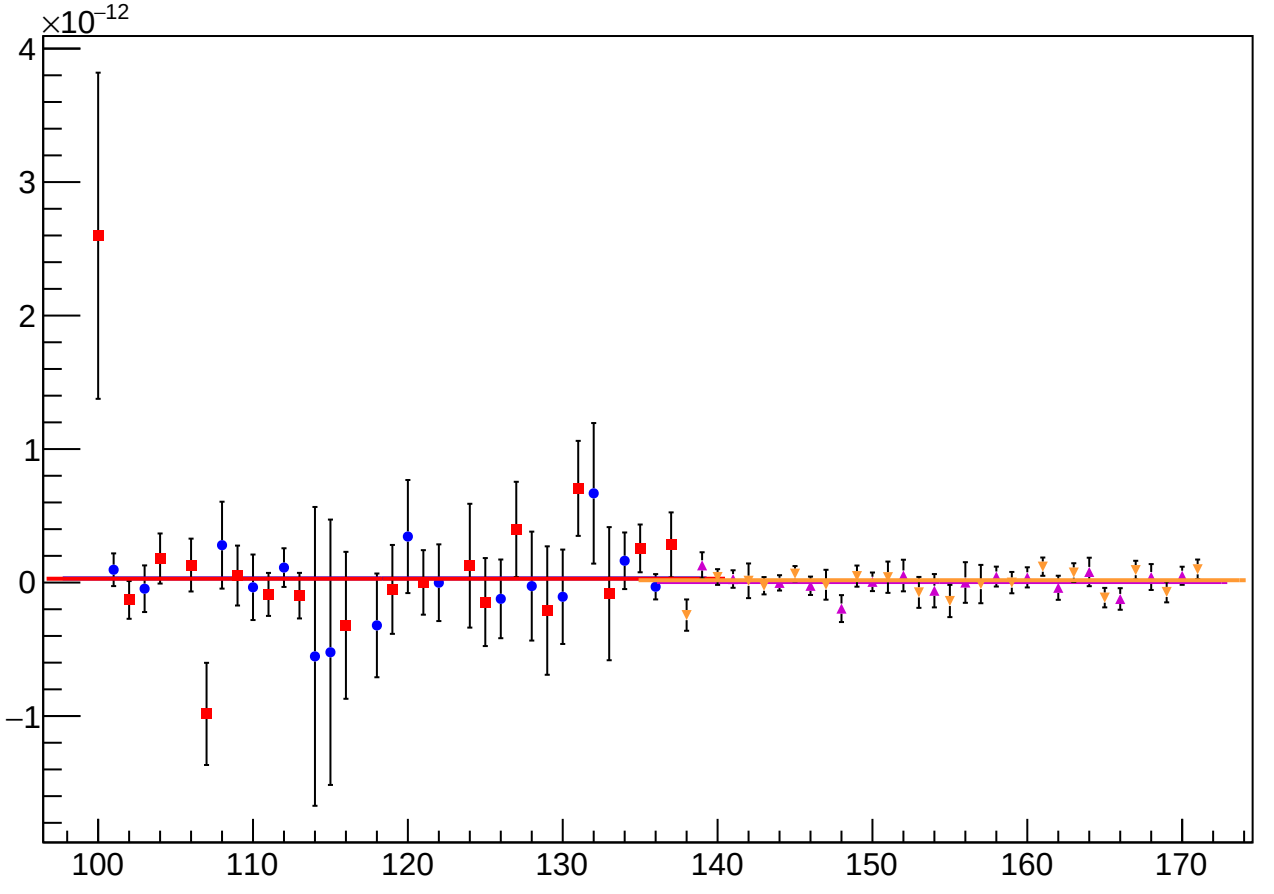
Left In: 2053.768+/-0.405 χ^2/NDF:519994.1/15

+ sign 2152.582+/-0.337 χ^2/NDF: 1892757.1/33

All: 2147.803+/-0.240 χ^2/NDF: 3624738.1/68

- sign 2142.899+/-0.342 χ^2/NDF: 1731573.9/34

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:18.7/17

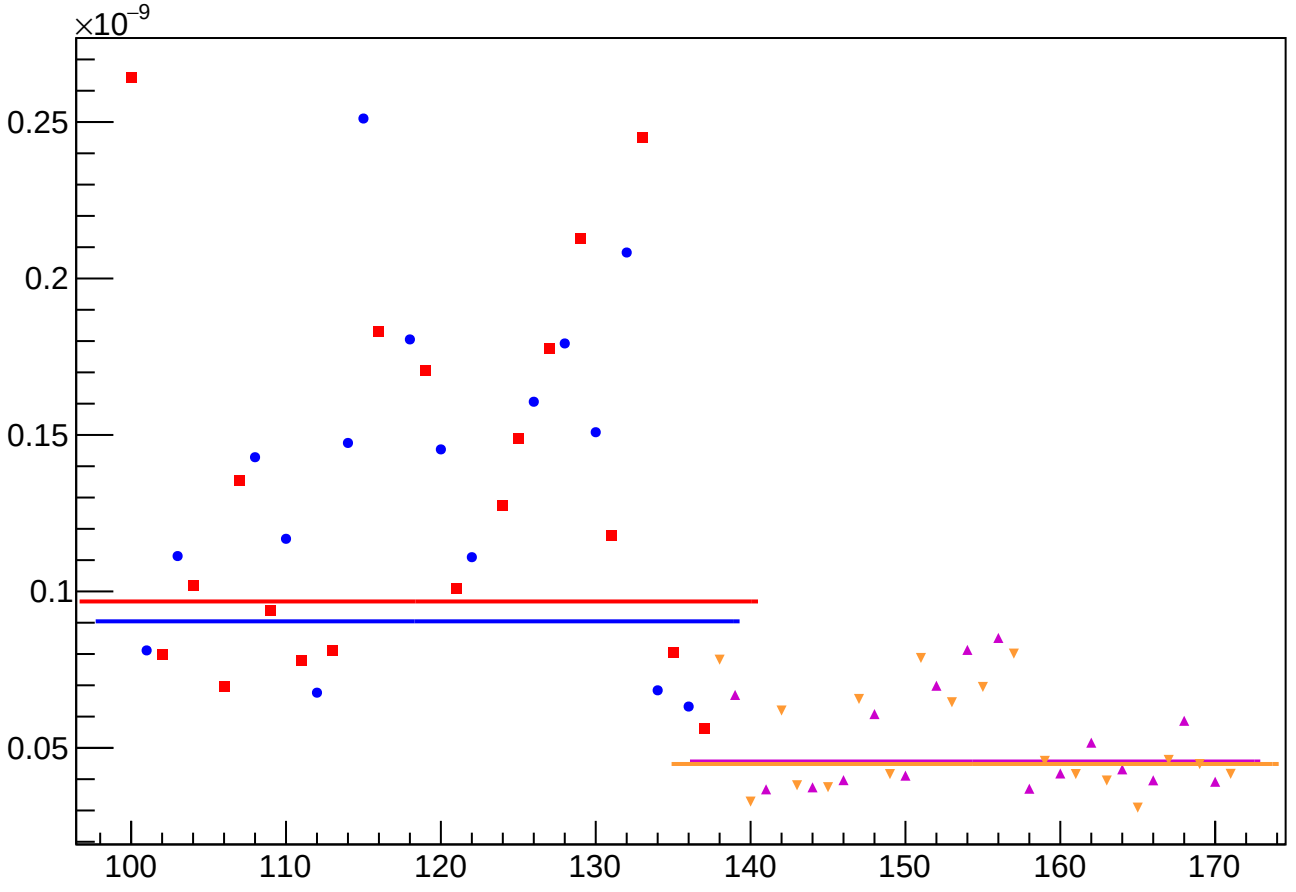
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 24.9/33

All: 0.000+/-0.000 χ^2/NDF: 59.0/68

- sign 0.000+/-0.000 χ^2/NDF: 33.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:929559.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

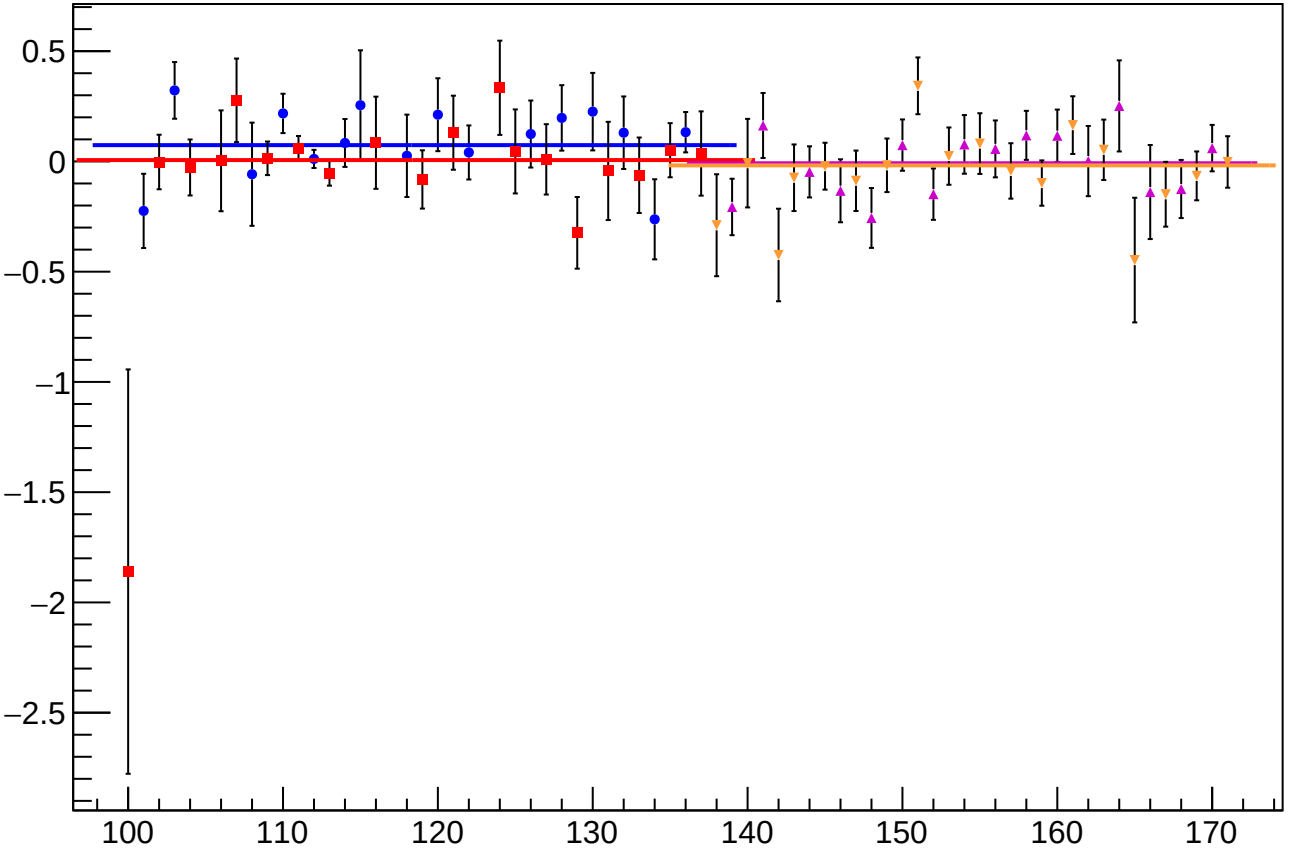
Left In: 0.000+/-0.000 χ^2/NDF:729828.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 3187102.3/33

All: 0.000+/-0.000 χ^2/NDF: 6249585.9/68

- sign 0.000+/-0.000 χ^2/NDF: 3054933.3/34

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

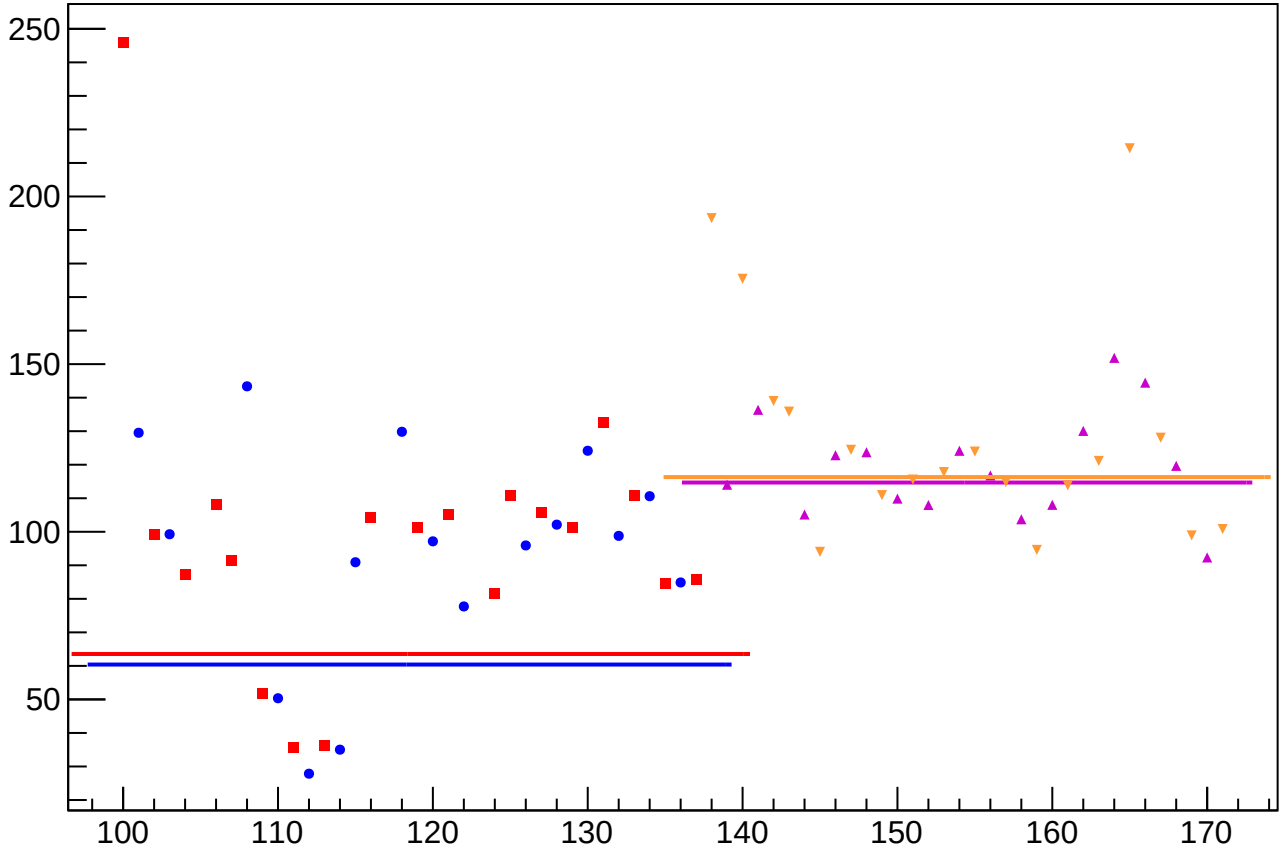
Left In: -0.008+/-0.033 χ^2/NDF:16.2/15

+ sign 0.036+/-0.021 χ^2/NDF: 43.9/33

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

- sign 0.000+/-0.021 χ^2/NDF: 32.7/34

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.315+/-0.023 χ^2/NDF:989537.6/17

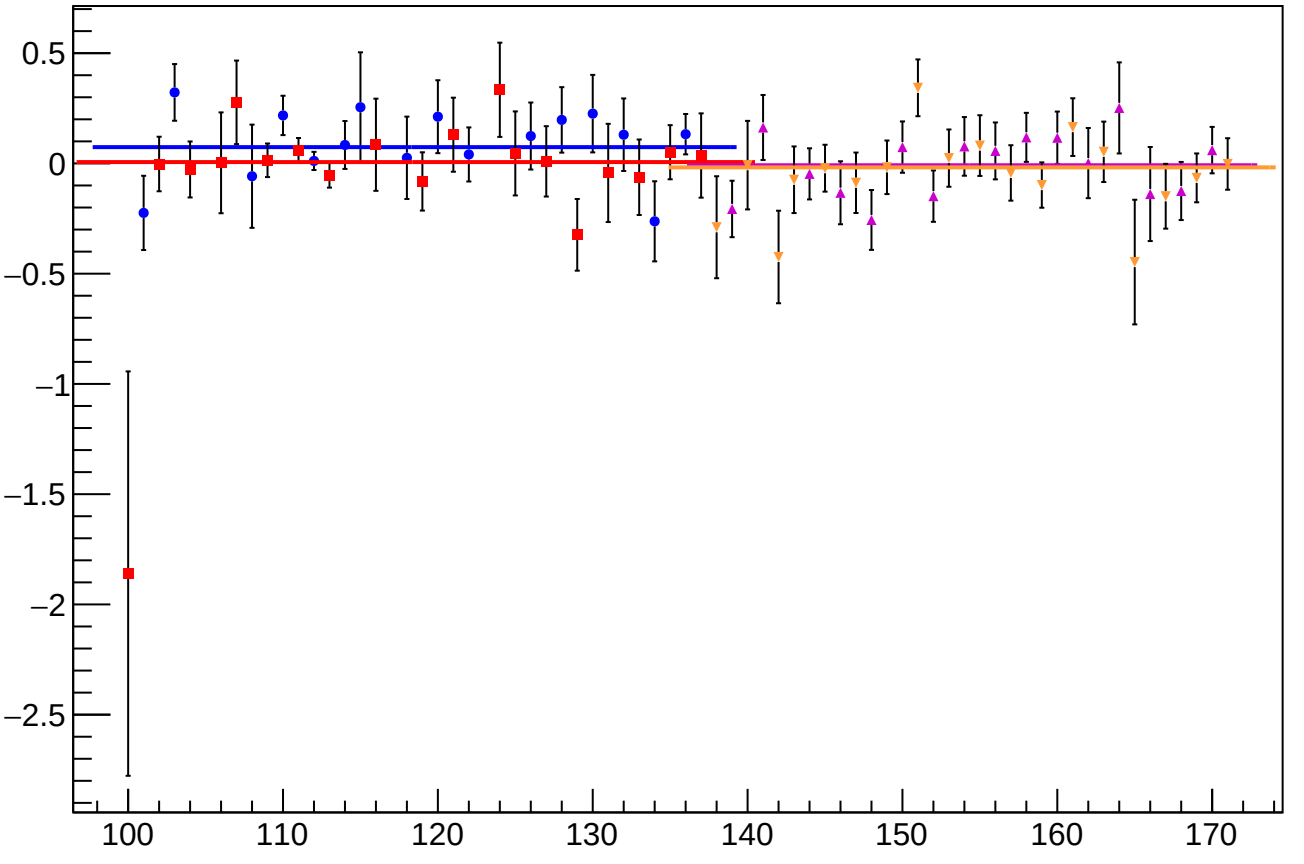
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.690+/-0.023 χ^2/NDF:334128.8/15

+ sign 83.645+/-0.015 χ^2/NDF: 8090089.8/33

All: 83.874+/-0.010 χ^2/NDF: 13999130.2/68

- sign 84.105+/-0.015 χ^2/NDF: 5908545.6/34



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

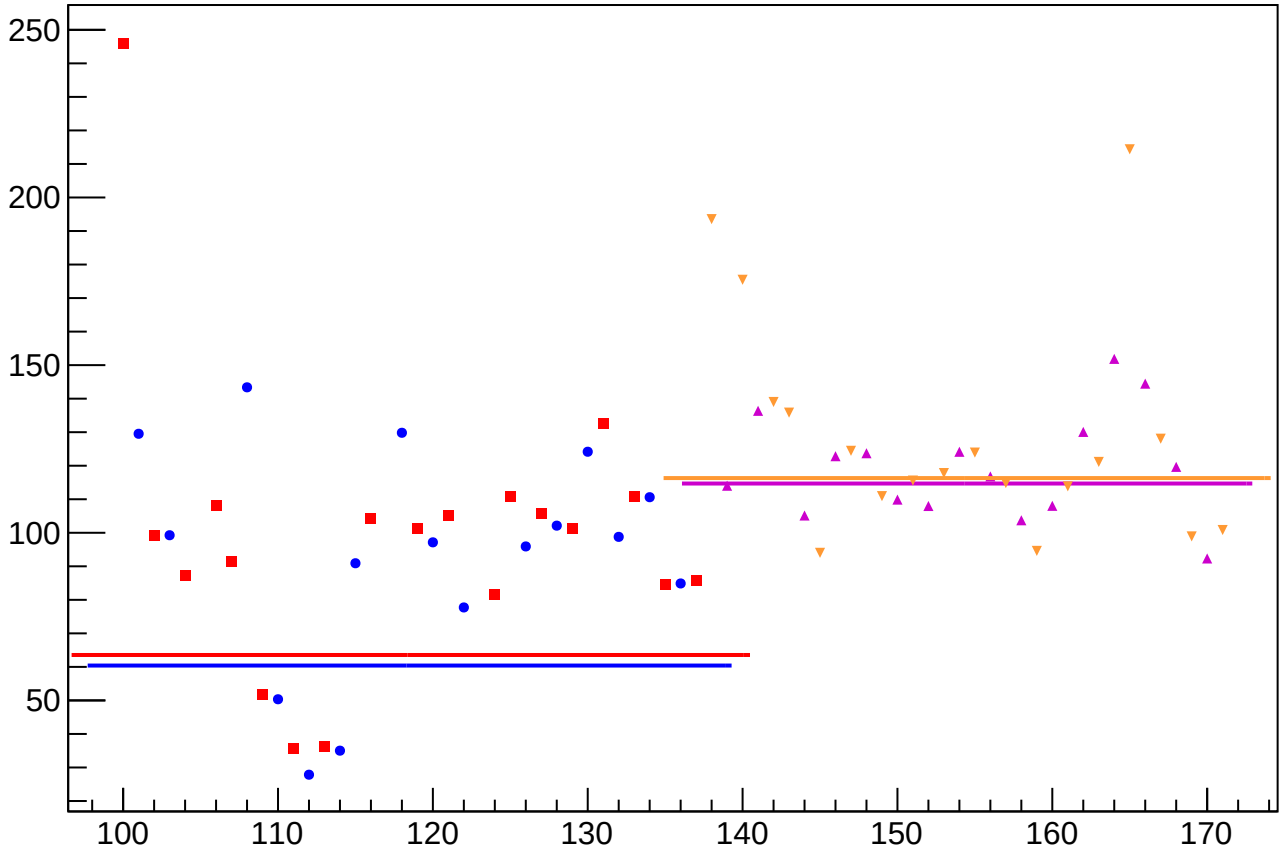
Left In: -0.008+/-0.033 χ^2/NDF:16.2/15

+ sign 0.036+/-0.021 χ^2/NDF: 43.9/33

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

- sign 0.000+/-0.021 χ^2/NDF: 32.7/34

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.315+/-0.023 χ^2/NDF:989537.6/17

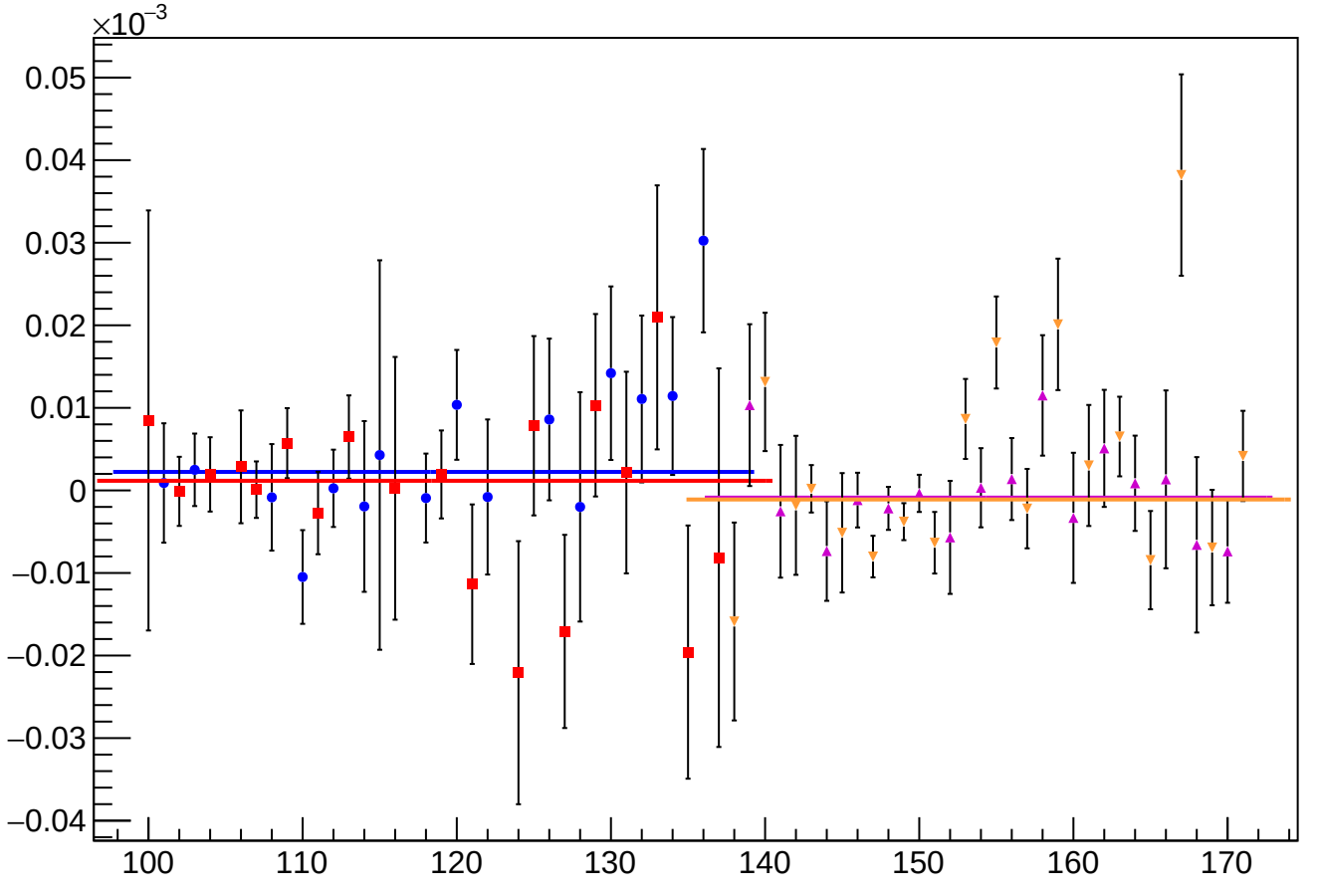
Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.690+/-0.023 χ^2/NDF:334128.8/15

+ sign 83.645+/-0.015 χ^2/NDF: 8090089.8/33

All: 83.874+/-0.010 χ^2/NDF: 13999130.2/68

- sign 84.105+/-0.015 χ^2/NDF: 5908545.6/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:55.1/17

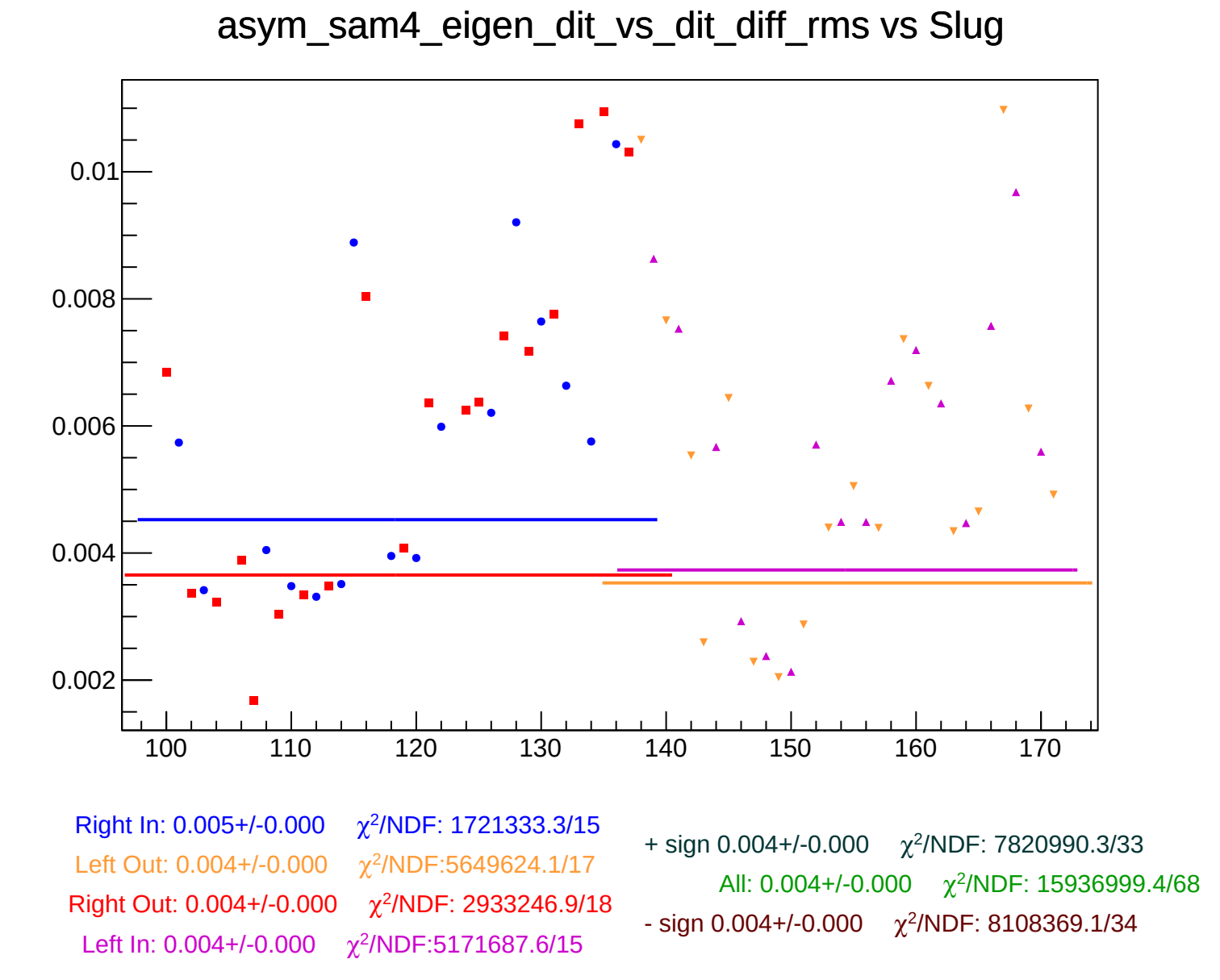
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

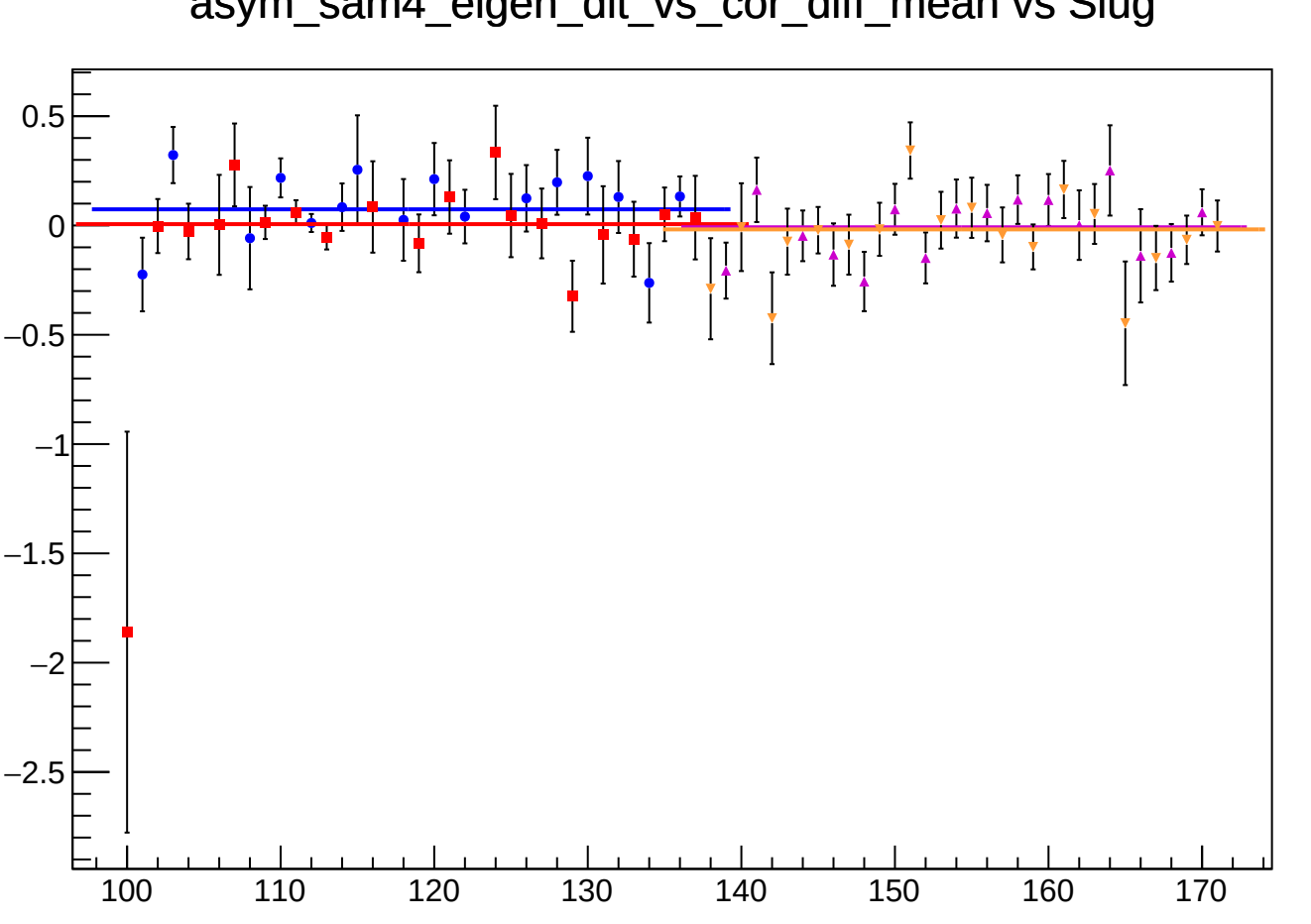
Left In: -0.000+/-0.000 χ^2/NDF:8.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 75.1/33

All: -0.000+/-0.000 χ^2/NDF: 99.1/68

- sign -0.000+/-0.000 χ^2/NDF: 24.0/34


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
170
Right In: 0.005+/-0.000 χ²/NDF: 1721333.3/15
Left Out: 0.004+/-0.000 χ²/NDF:5649624.1/17
Right Out: 0.004+/-0.000 χ²/NDF: 2933246.9/18
Left In: 0.004+/-0.000 χ²/NDF:5171687.6/15
+ sign 0.004+/-0.000 χ²/NDF: 7820990.3/33
All: 0.004+/-0.000 χ²/NDF: 15936999.4/68
- sign 0.004+/-0.000 χ²/NDF: 8108369.1/34



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

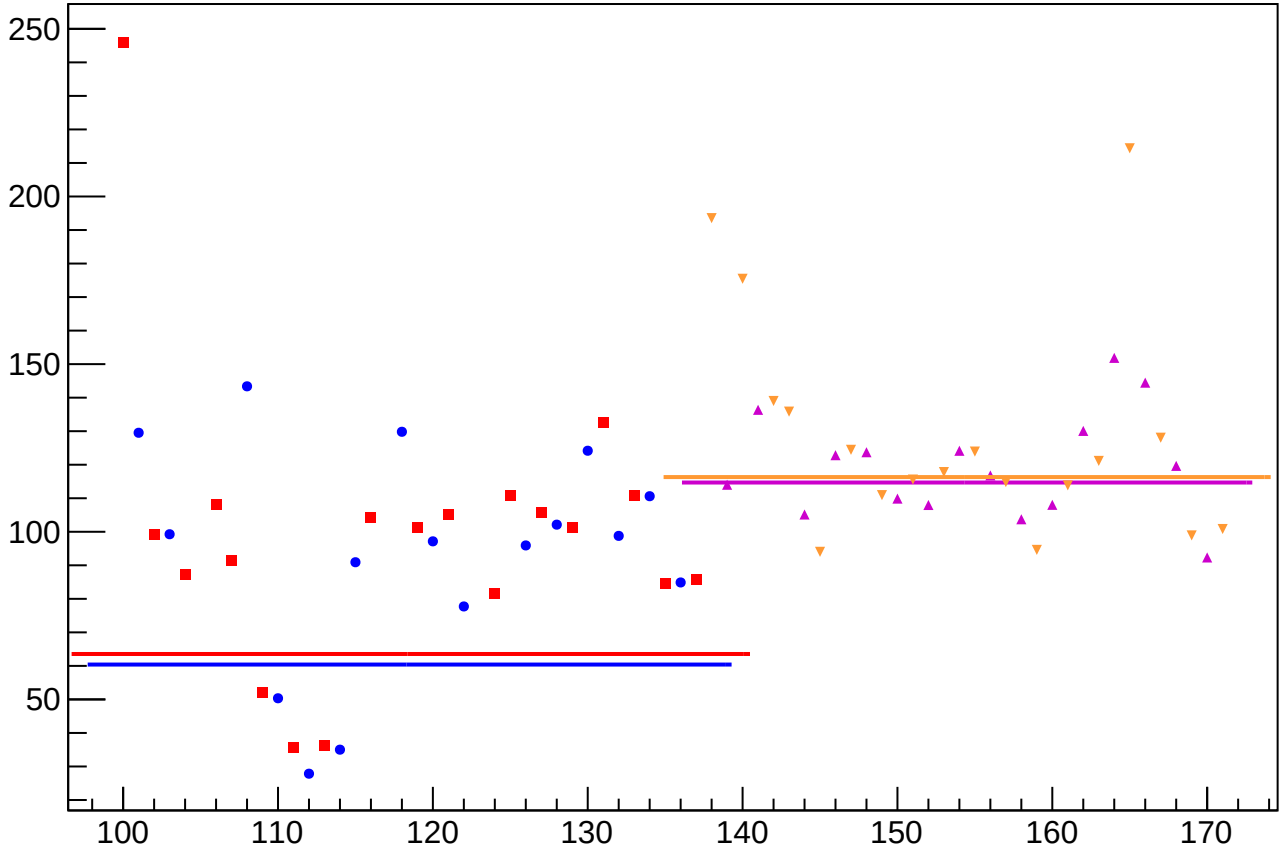
Left In: -0.008+/-0.033 χ^2/NDF:16.2/15

+ sign 0.036+/-0.021 χ^2/NDF: 43.9/33

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

- sign 0.000+/-0.021 χ^2/NDF: 32.7/34

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.316+/-0.023 χ^2/NDF:989513.6/17

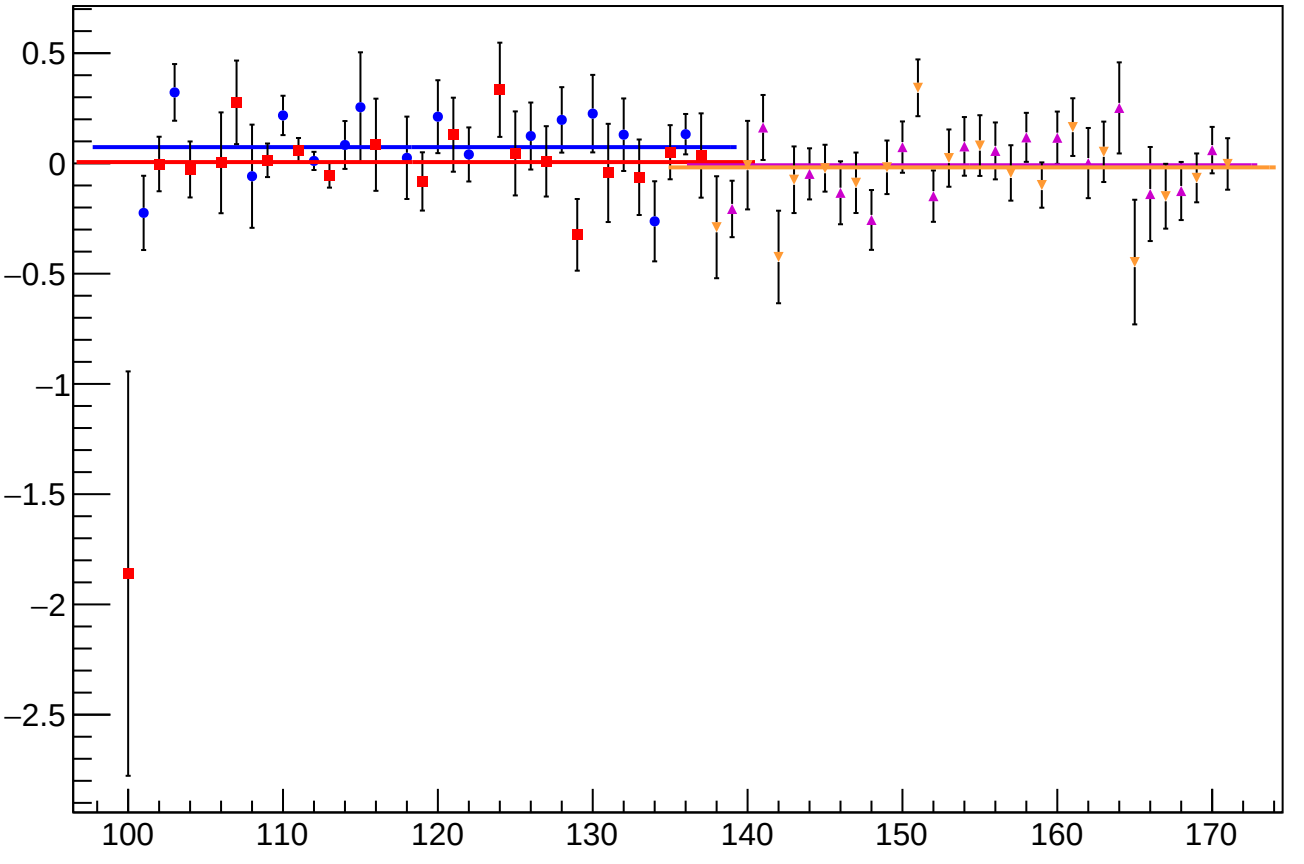
Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.690+/-0.023 χ^2/NDF:334133.5/15

+ sign 83.643+/-0.015 χ^2/NDF: 8090752.7/33

All: 83.873+/-0.010 χ^2/NDF: 14000390.9/68

- sign 84.104+/-0.015 χ^2/NDF: 5909142.9/34



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

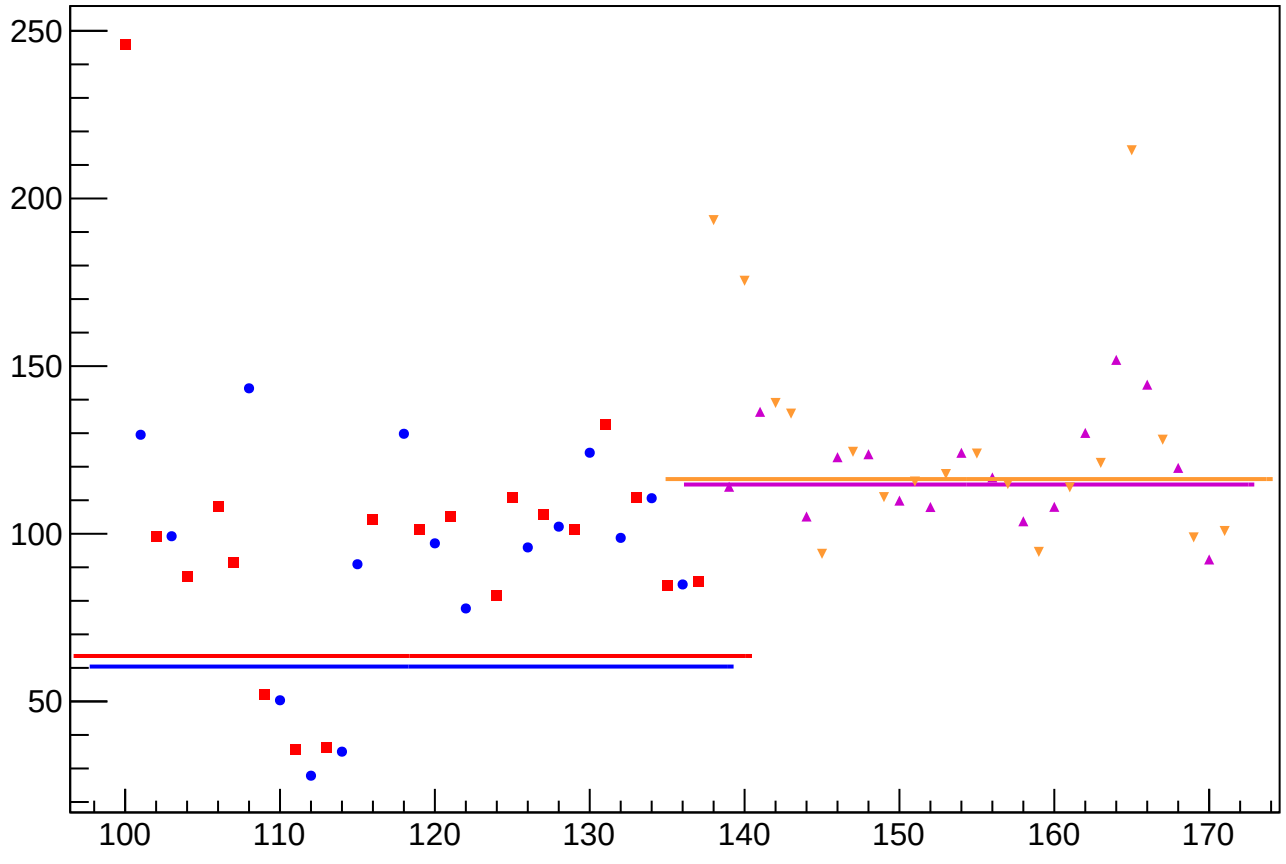
Right Out: 0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: -0.008+/-0.033 χ^2/NDF:16.2/15

+ sign 0.036+/-0.021 χ^2/NDF: 43.9/33

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

- sign 0.000+/-0.021 χ^2/NDF: 32.7/34



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.316+/-0.023 χ^2/NDF:989513.6/17

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

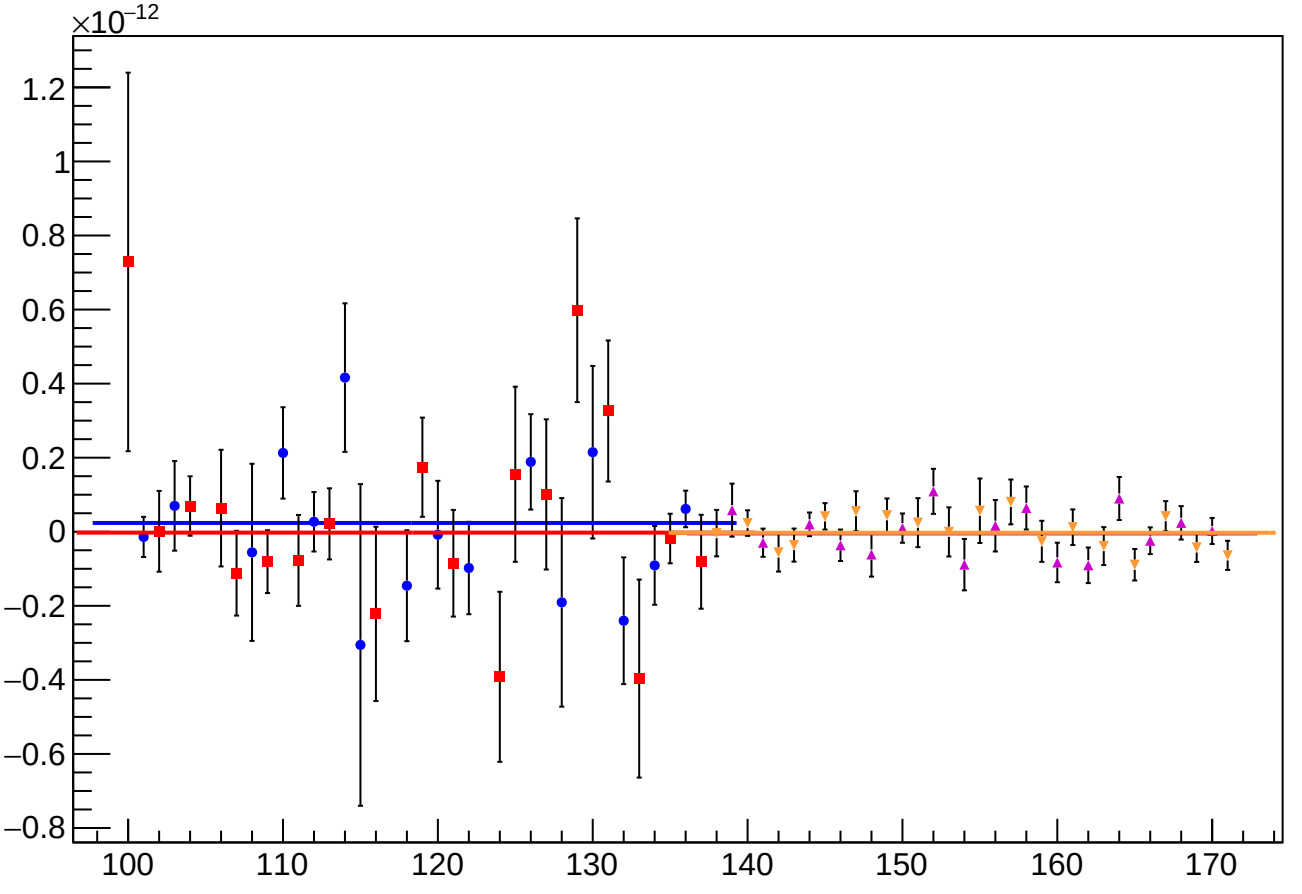
Left In: 114.690+/-0.023 χ^2/NDF:334133.5/15

+ sign 83.643+/-0.015 χ^2/NDF: 8090752.7/33

All: 83.873+/-0.010 χ^2/NDF: 14000390.9/68

- sign 84.104+/-0.015 χ^2/NDF: 5909142.9/34

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/17

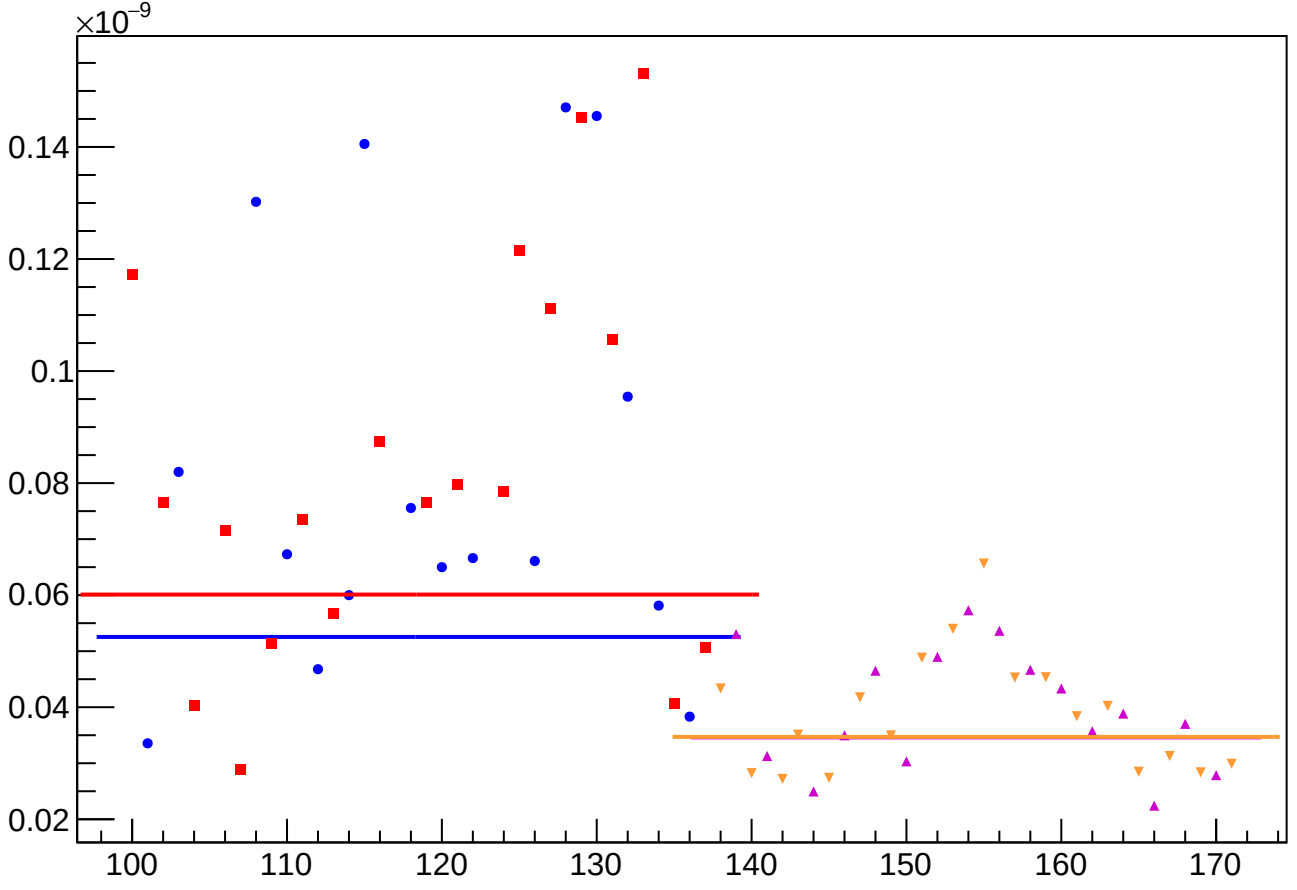
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 35.7/33

All: -0.000+/-0.000 χ^2/NDF: 77.7/68

- sign -0.000+/-0.000 χ^2/NDF: 41.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1091565.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

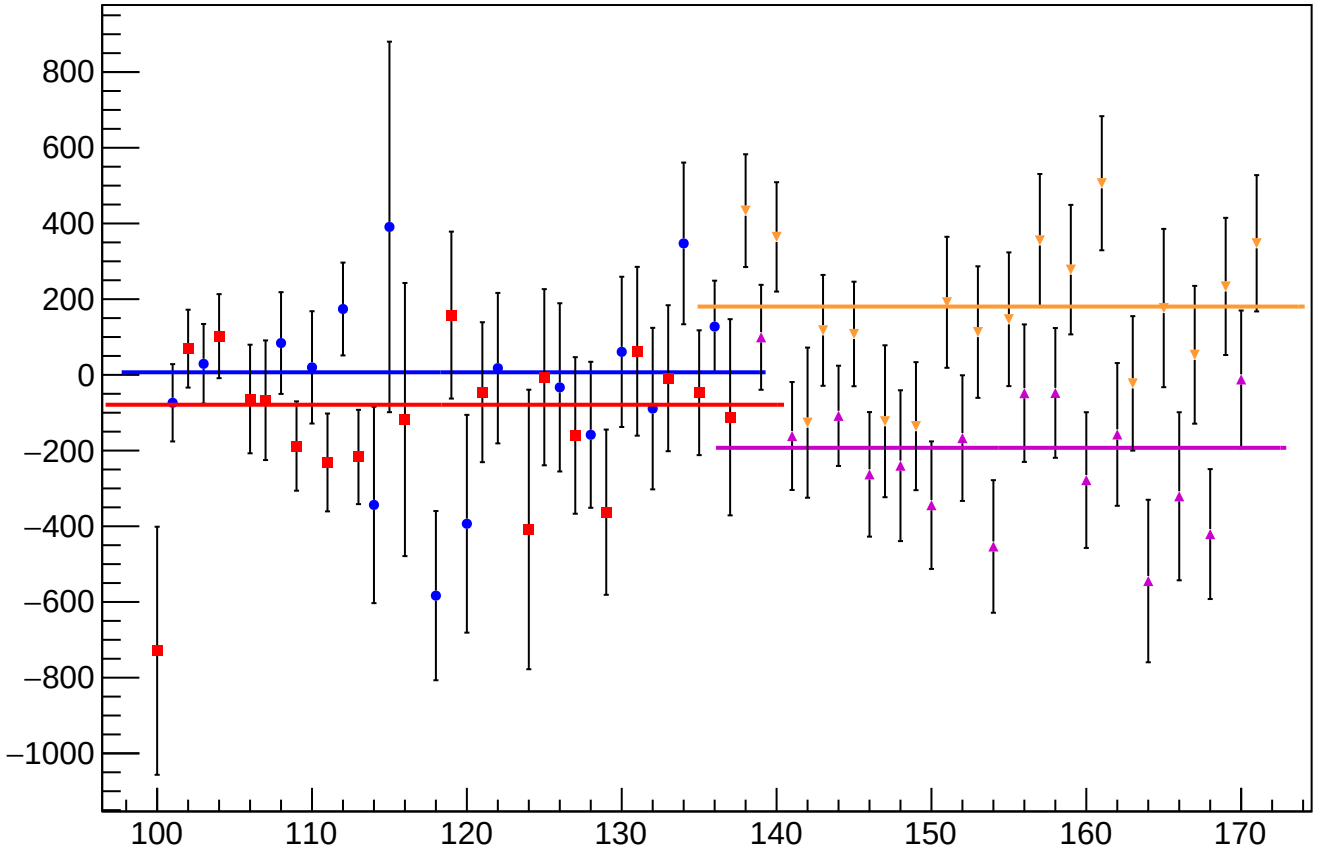
Left In: 0.000+/-0.000 χ^2/NDF:1366857.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 3526191.7/33

All: 0.000+/-0.000 χ^2/NDF: 7780321.1/68

- sign 0.000+/-0.000 χ^2/NDF: 4249602.5/34

reg_asym_sam5_mean vs Slug



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 180.478+/-40.151 χ^2/NDF:20.8/17

Right Out: -78.883+/-37.906 χ^2/NDF: 16.7/18

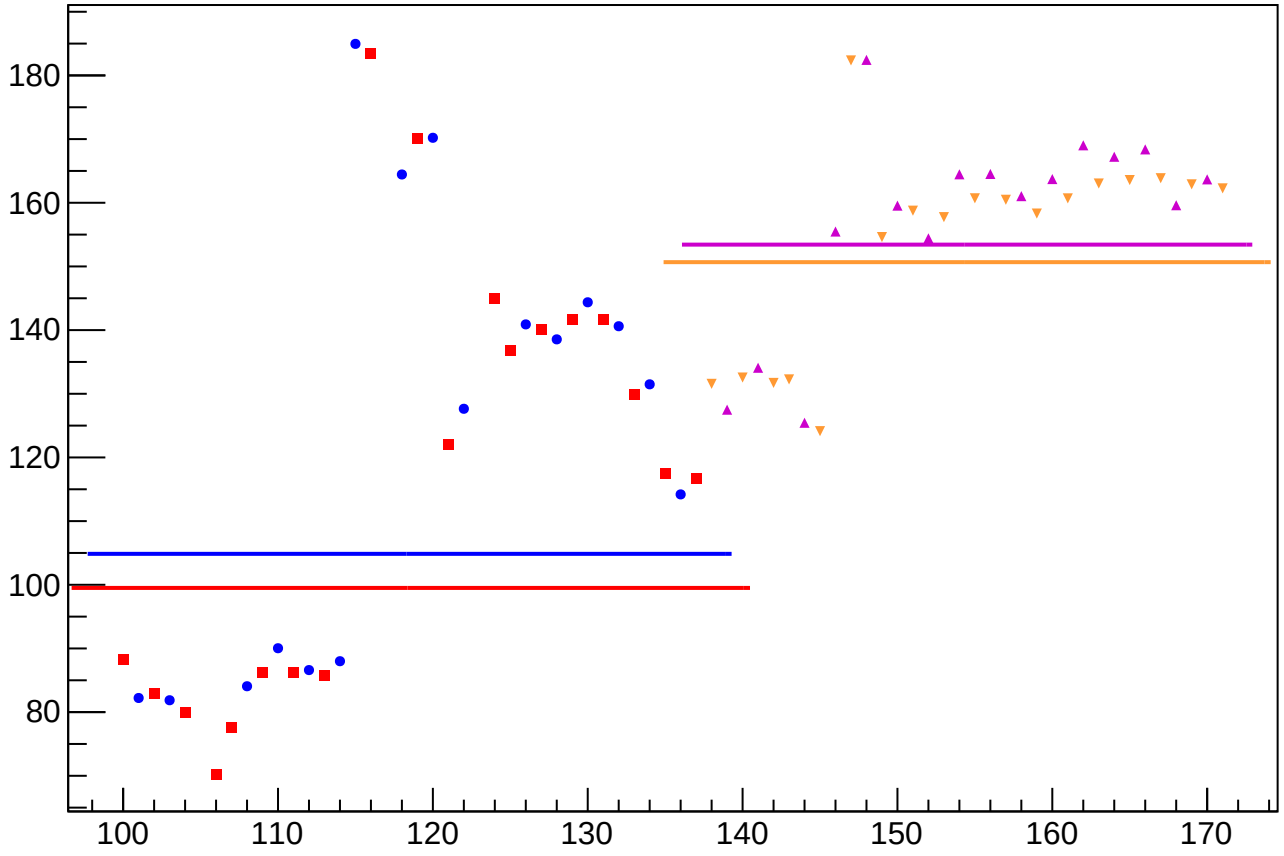
Left In: -192.709+/-42.478 χ^2/NDF:15.6/15

+ sign 94.080+/-28.462 χ^2/NDF: 48.9/33

All: -18.339+/-20.062 χ^2/NDF: 116.1/68

- sign -129.343+/-28.282 χ^2/NDF: 36.2/34

reg_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

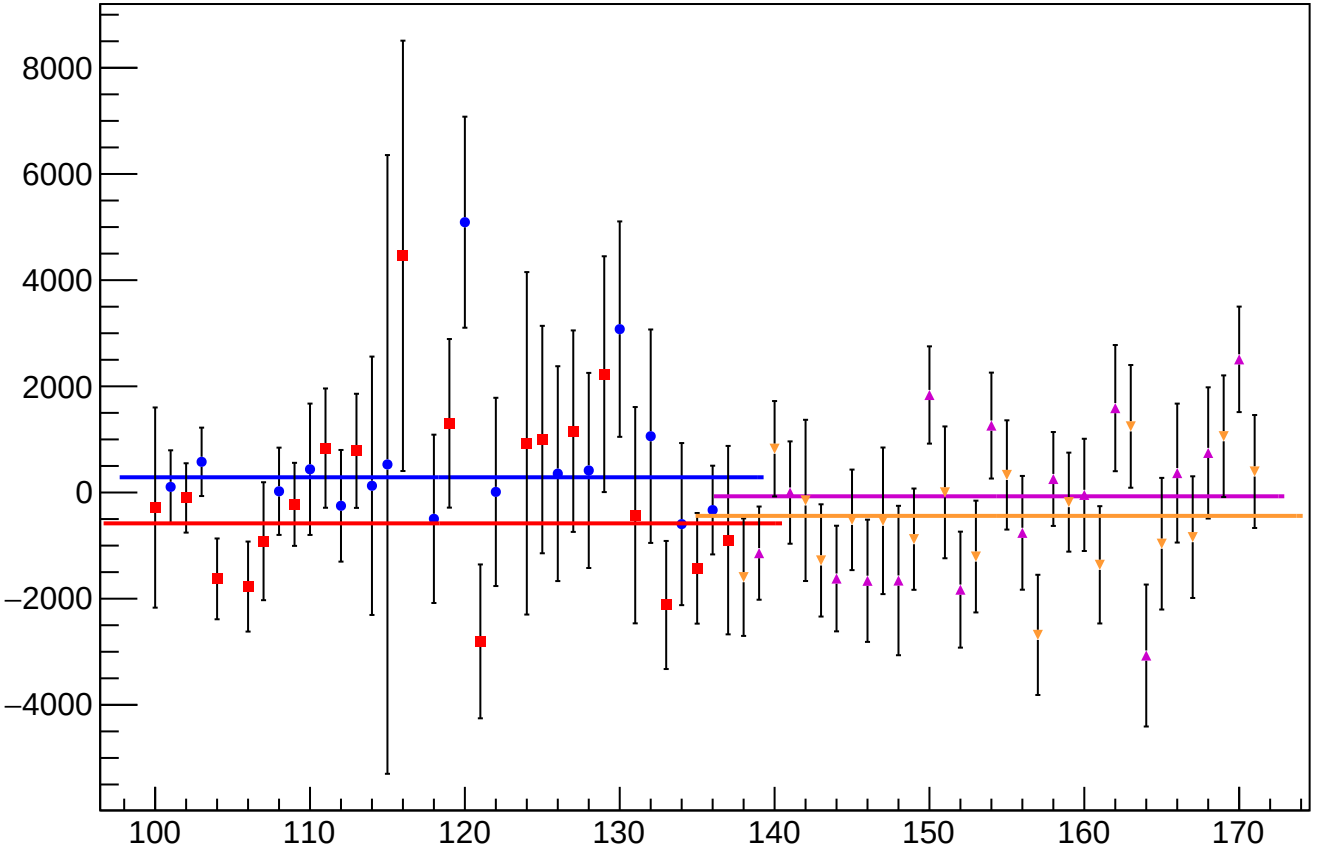
Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

+ sign 127.881+/-0.020 χ^2/NDF: 2541596.3/33

All: 125.631+/-0.014 χ^2/NDF: 5706758.3/68

- sign 123.410+/-0.020 χ^2/NDF: 3140330.4/34

asym_sam5_reg_correction_mean vs Slug



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -440.162+/-256.717 χ^2/NDF:14.6/17

Right Out: -581.217+/-269.775 χ^2/NDF: 18.8/18

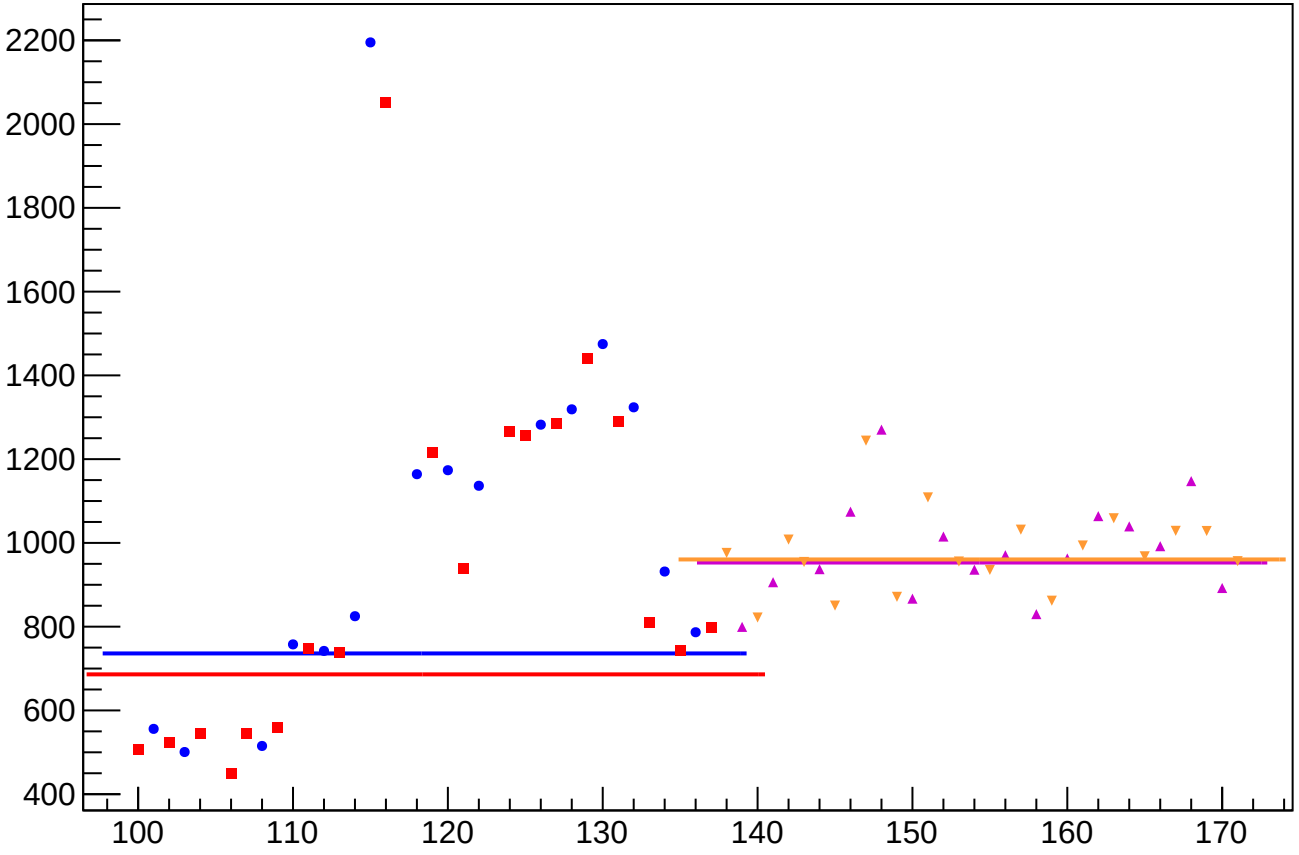
Left In: -71.319+/-264.987 χ^2/NDF:30.6/15

+ sign -124.982+/-193.223 χ^2/NDF: 27.8/33

All: -225.492+/-135.128 χ^2/NDF: 79.5/68

- sign -321.703+/-189.044 χ^2/NDF: 51.2/34

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.9/17

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

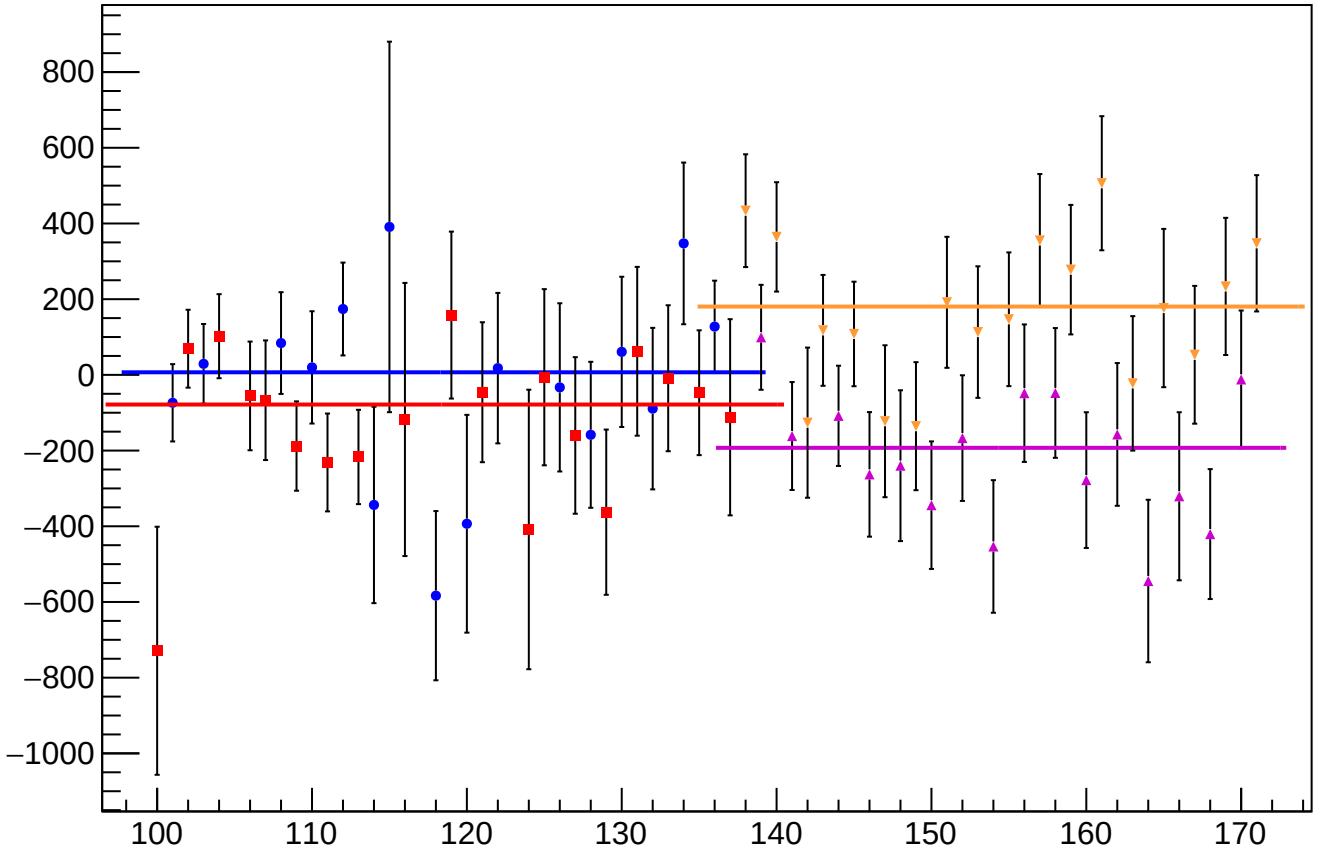
Left In: 953.138+/-0.187 χ^2/NDF:339199.2/15

+ sign 863.218+/-0.137 χ^2/NDF: 2776529.0/33

All: 842.166+/-0.096 χ^2/NDF: 5978666.1/68

- sign 822.014+/-0.134 χ^2/NDF: 3155667.6/34

cor_asym_sam5_mean vs Slug



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 180.476+/-40.151 χ^2/NDF:20.8/17

Right Out: -78.347+/-37.909 χ^2/NDF: 16.7/18

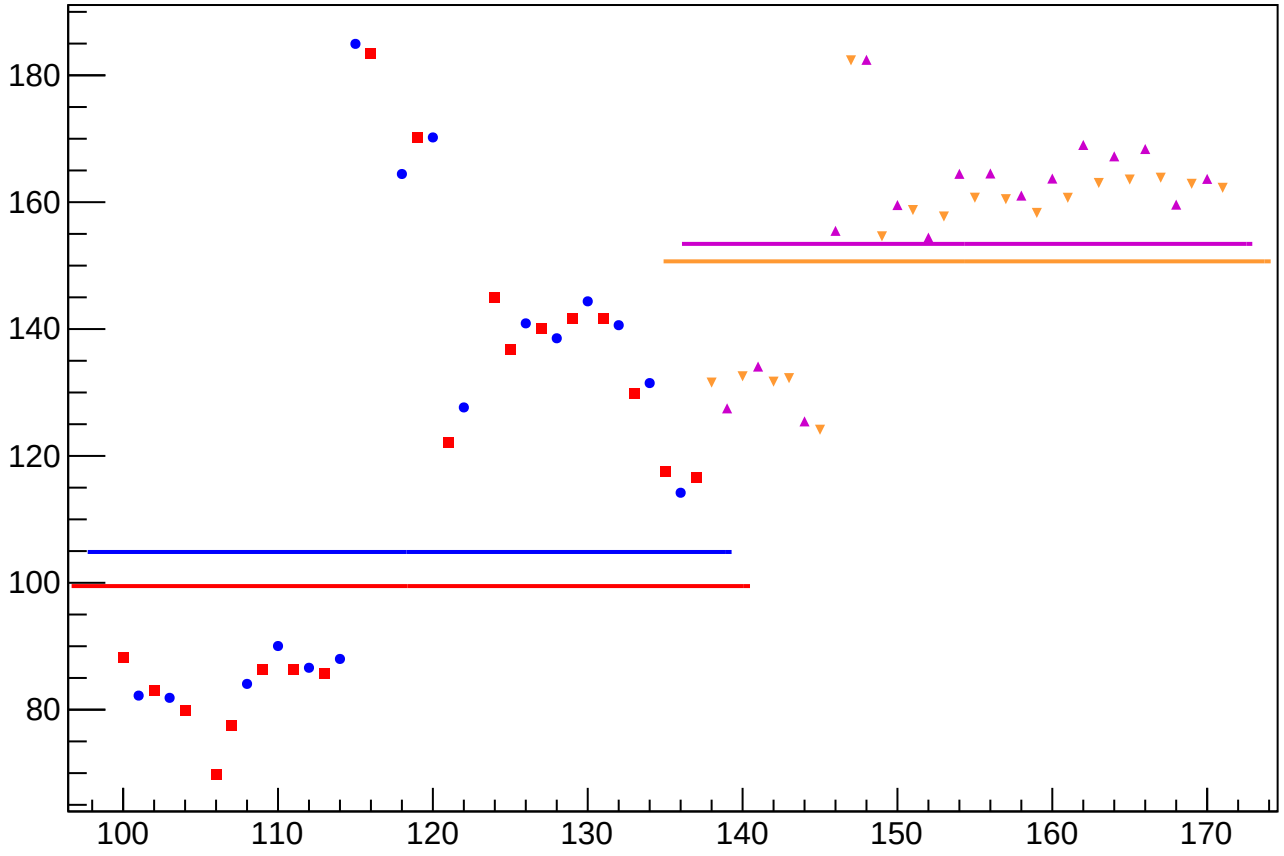
Left In: -192.709+/-42.478 χ^2/NDF:15.6/15

+ sign 94.074+/-28.462 χ^2/NDF: 48.9/33

All: -18.190+/-20.062 χ^2/NDF: 116.1/68

- sign -129.049+/-28.283 χ^2/NDF: 36.3/34

cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

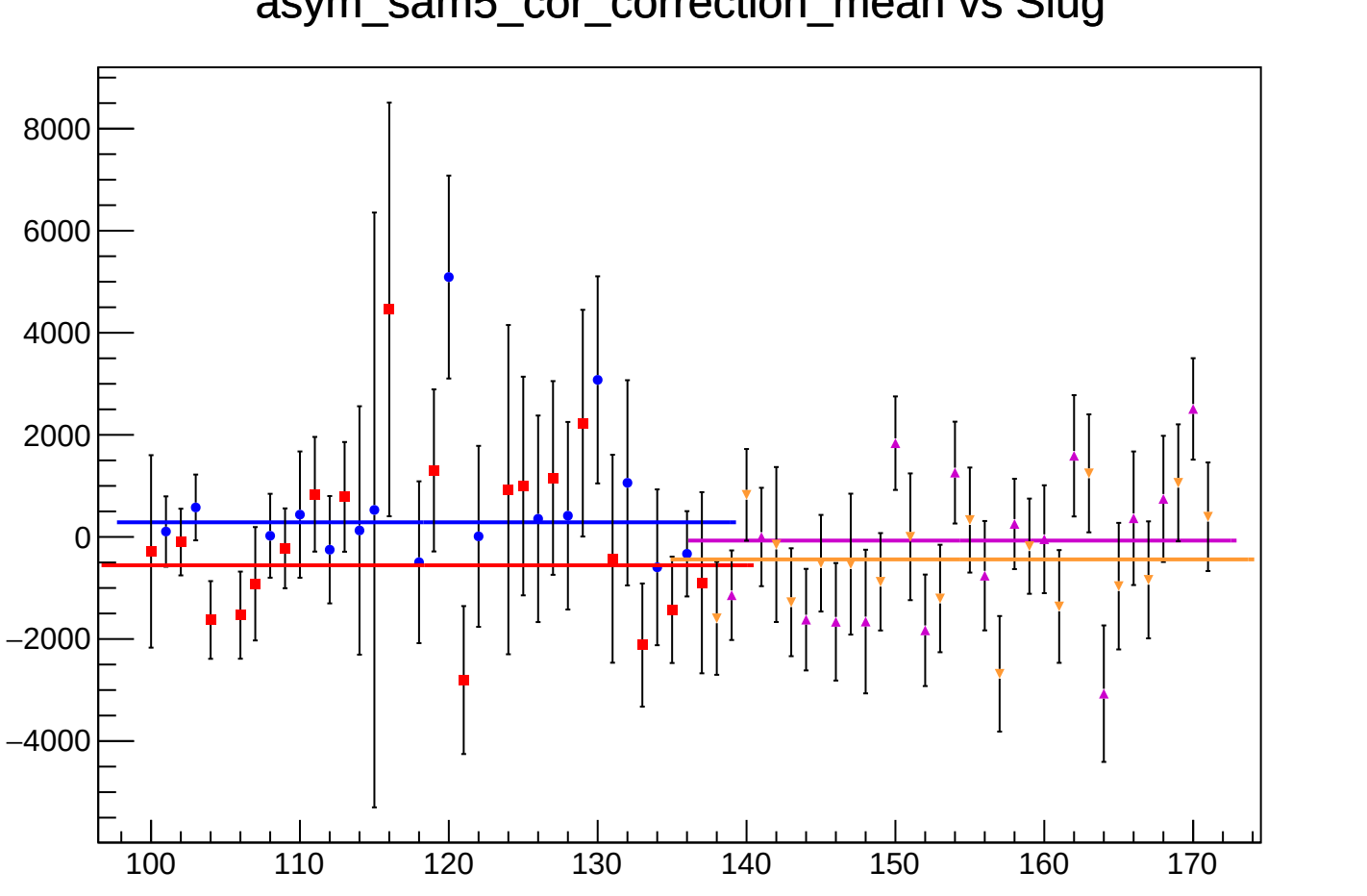
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

+ sign 127.881+/-0.020 χ^2/NDF: 2541594.6/33

All: 125.626+/-0.014 χ^2/NDF: 5710546.8/68

- sign 123.399+/-0.020 χ^2/NDF: 3143994.5/34



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.160+/-256.717 χ^2/NDF:14.6/17

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

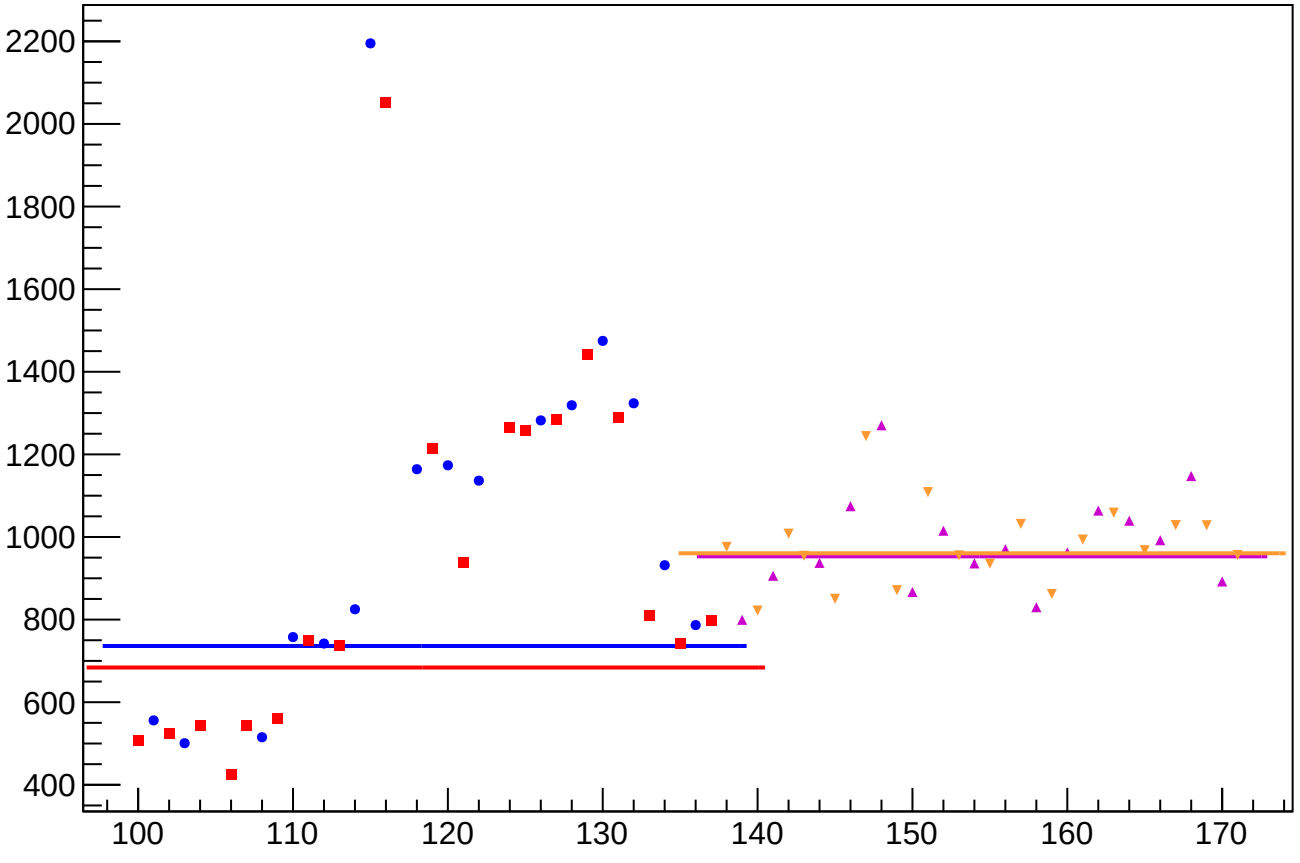
Left In: -71.319+/-264.987 χ^2/NDF:30.6/15

+ sign -124.979+/-193.223 χ^2/NDF: 27.8/33

All: -218.911+/-135.150 χ^2/NDF: 78.6/68

- sign -308.883+/-189.105 χ^2/NDF: 50.3/34

asym_sam5_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.4/17

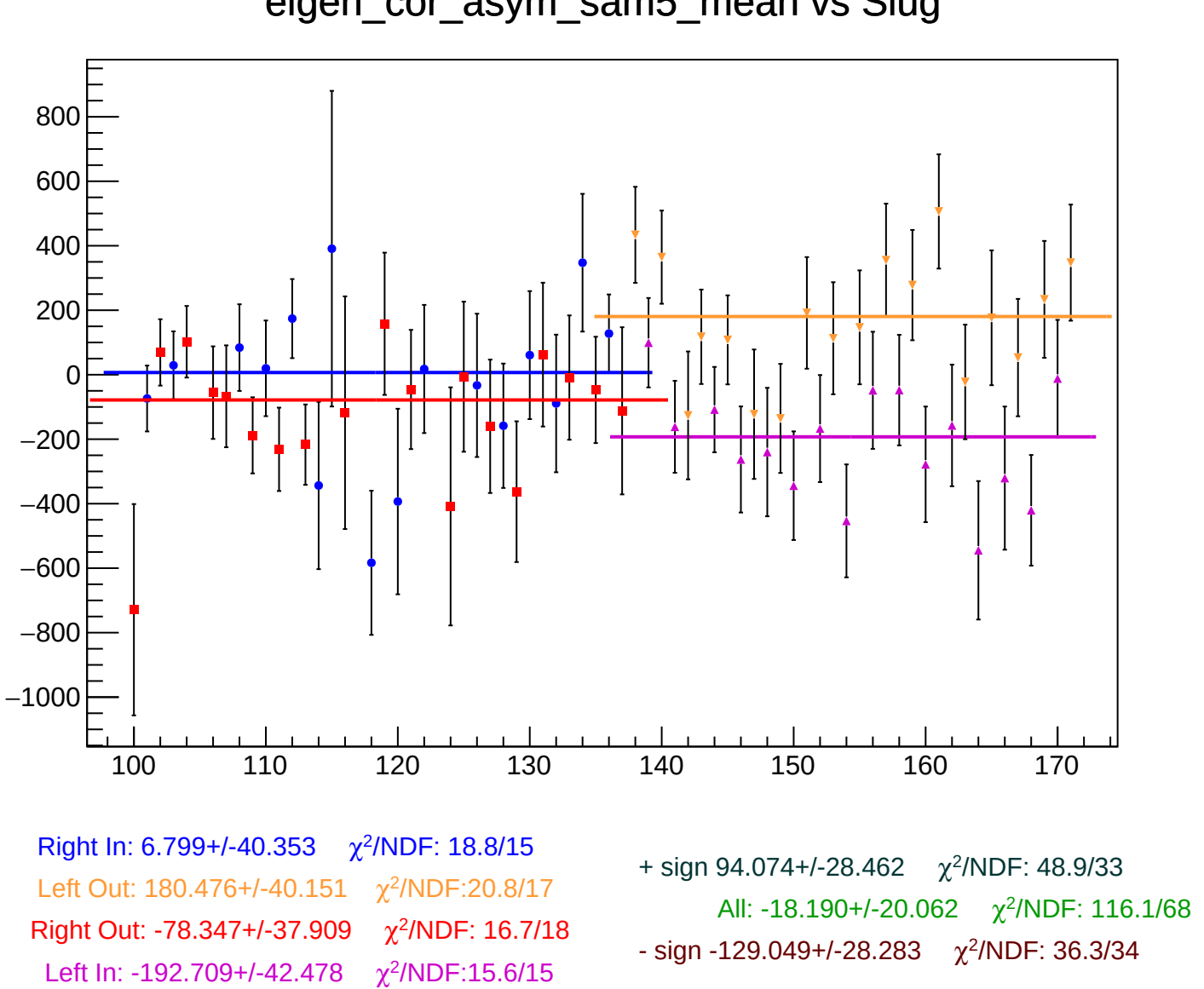
Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 953.138+/-0.187 χ^2/NDF:339201.7/15

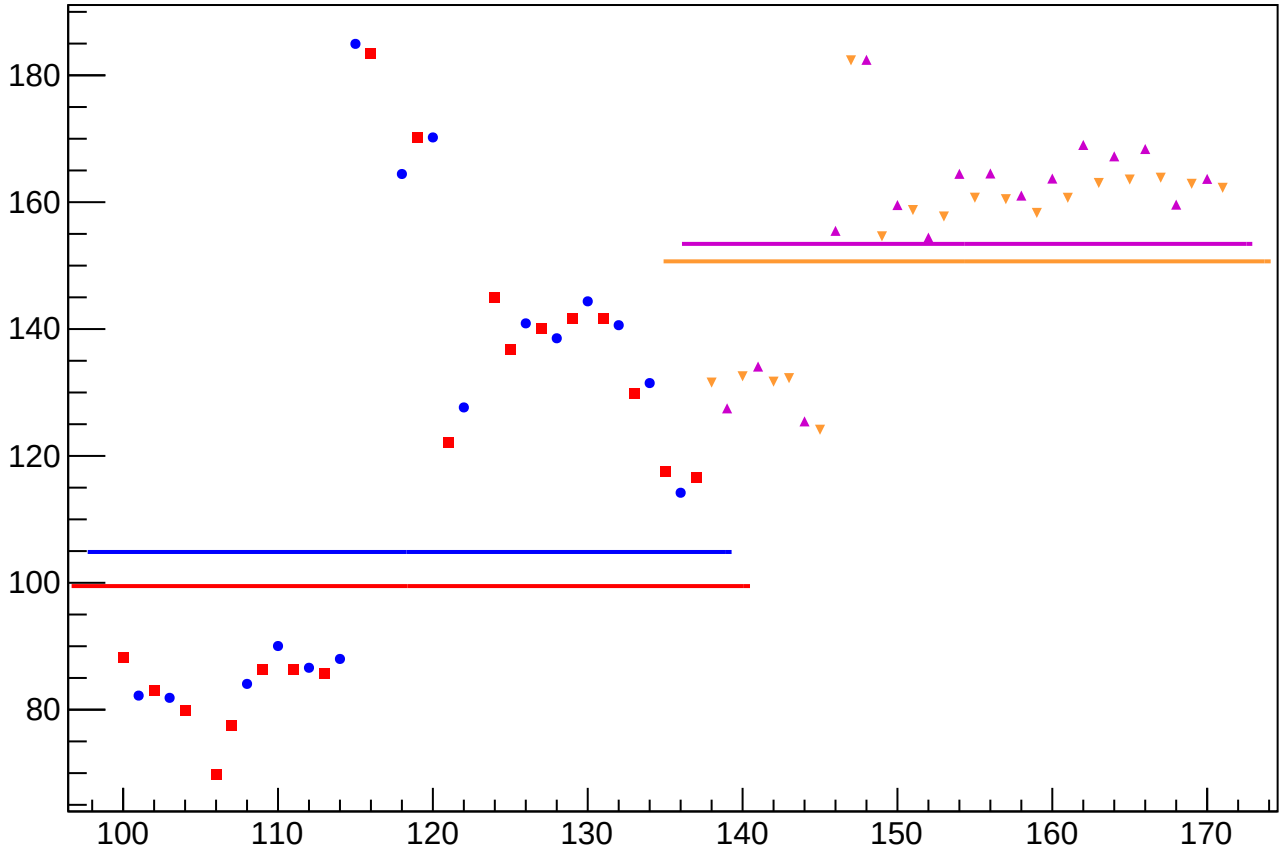
+ sign 863.218+/-0.137 χ^2/NDF: 2776536.8/33

All: 841.684+/-0.096 χ^2/NDF: 6027343.1/68

- sign 821.058+/-0.134 χ^2/NDF: 3202171.6/34


eigen_cor_asym_sam5_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 180.476+/-40.151 χ²/NDF:20.8/17
Right Out: -78.347+/-37.909 χ²/NDF: 16.7/18
Left In: -192.709+/-42.478 χ²/NDF:15.6/15
+ sign 94.074+/-28.462 χ²/NDF: 48.9/33
All: -18.190+/-20.062 χ²/NDF: 116.1/68
- sign -129.049+/-28.283 χ²/NDF: 36.3/34

eigen_cor_asym_sam5_rms vs Slug



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

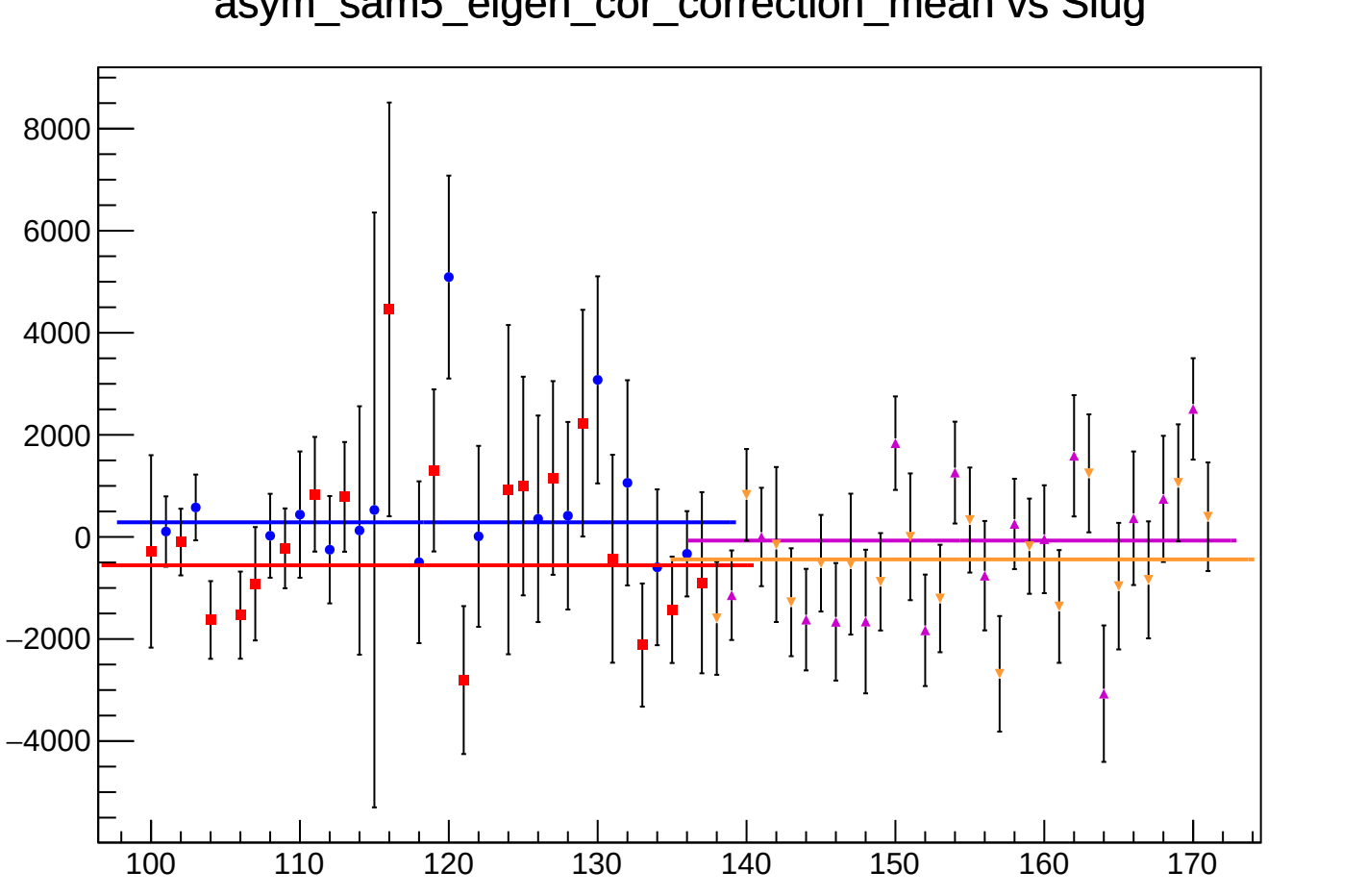
Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.426+/-0.030 χ^2/NDF:307409.7/15

+ sign 127.881+/-0.020 χ^2/NDF: 2541594.6/33

All: 125.626+/-0.014 χ^2/NDF: 5710546.8/68

- sign 123.399+/-0.020 χ^2/NDF: 3143994.5/34



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.160+/-256.717 χ^2/NDF:14.6/17

Right Out: -555.436+/-269.953 χ^2/NDF: 18.0/18

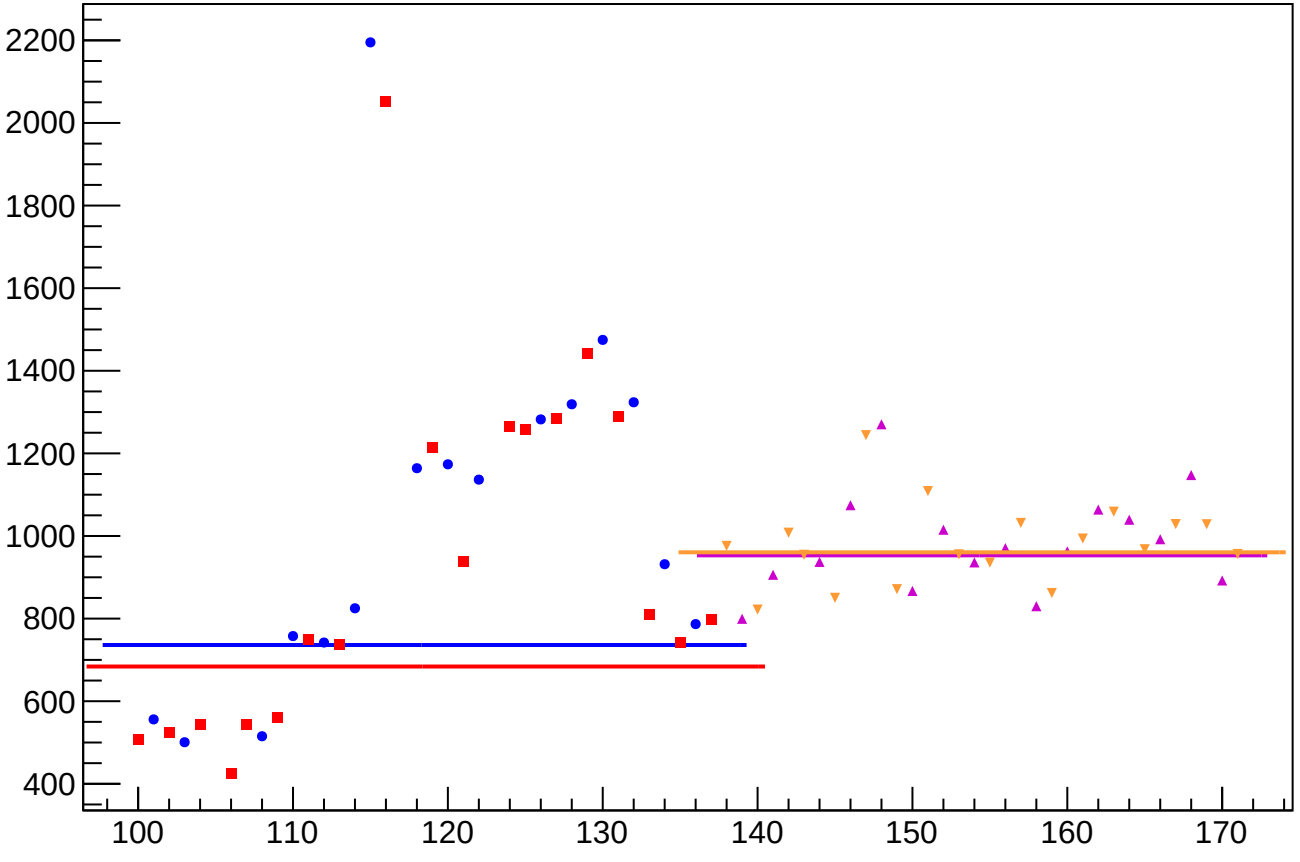
Left In: -71.319+/-264.987 χ^2/NDF:30.6/15

+ sign -124.979+/-193.223 χ^2/NDF: 27.8/33

All: -218.911+/-135.150 χ^2/NDF: 78.6/68

- sign -308.883+/-189.105 χ^2/NDF: 50.3/34

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.4/17

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

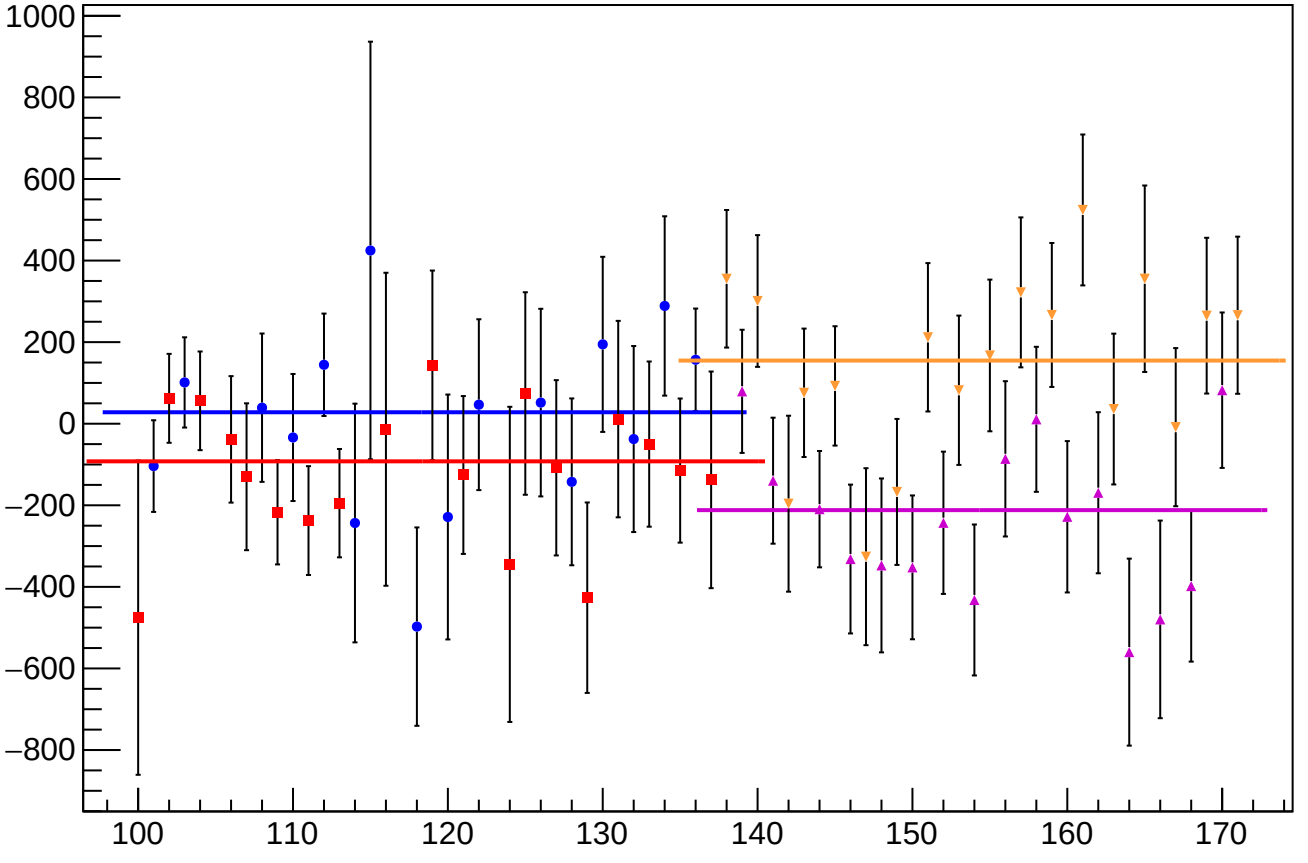
Left In: 953.138+/-0.187 χ^2/NDF:339201.7/15

+ sign 863.218+/-0.137 χ^2/NDF: 2776536.8/33

All: 841.684+/-0.096 χ^2/NDF: 6027343.1/68

- sign 821.058+/-0.134 χ^2/NDF: 3202171.6/34

dit_asym_sam5_mean vs Slug



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 154.851+/-42.881 χ^2/NDF:21.5/17

Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

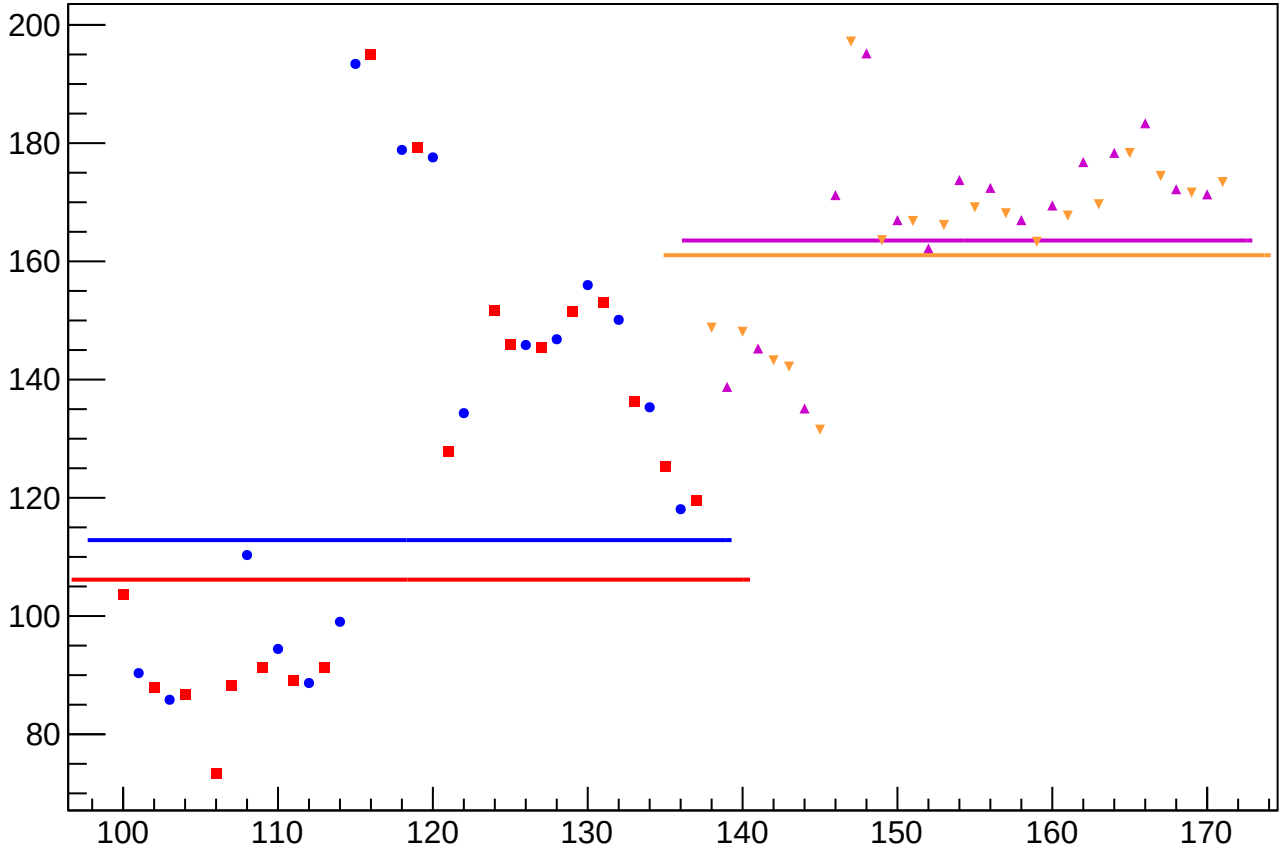
Left In: -211.870+/-45.271 χ^2/NDF:15.8/15

+ sign 92.291+/-30.517 χ^2/NDF: 39.4/33

All: -27.836+/-21.466 χ^2/NDF: 101.5/68

- sign -145.482+/-30.200 χ^2/NDF: 31.4/34

dit_asym_sam5_rms vs Slug



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 161.046+/-0.030 χ^2/NDF:256078.6/17

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

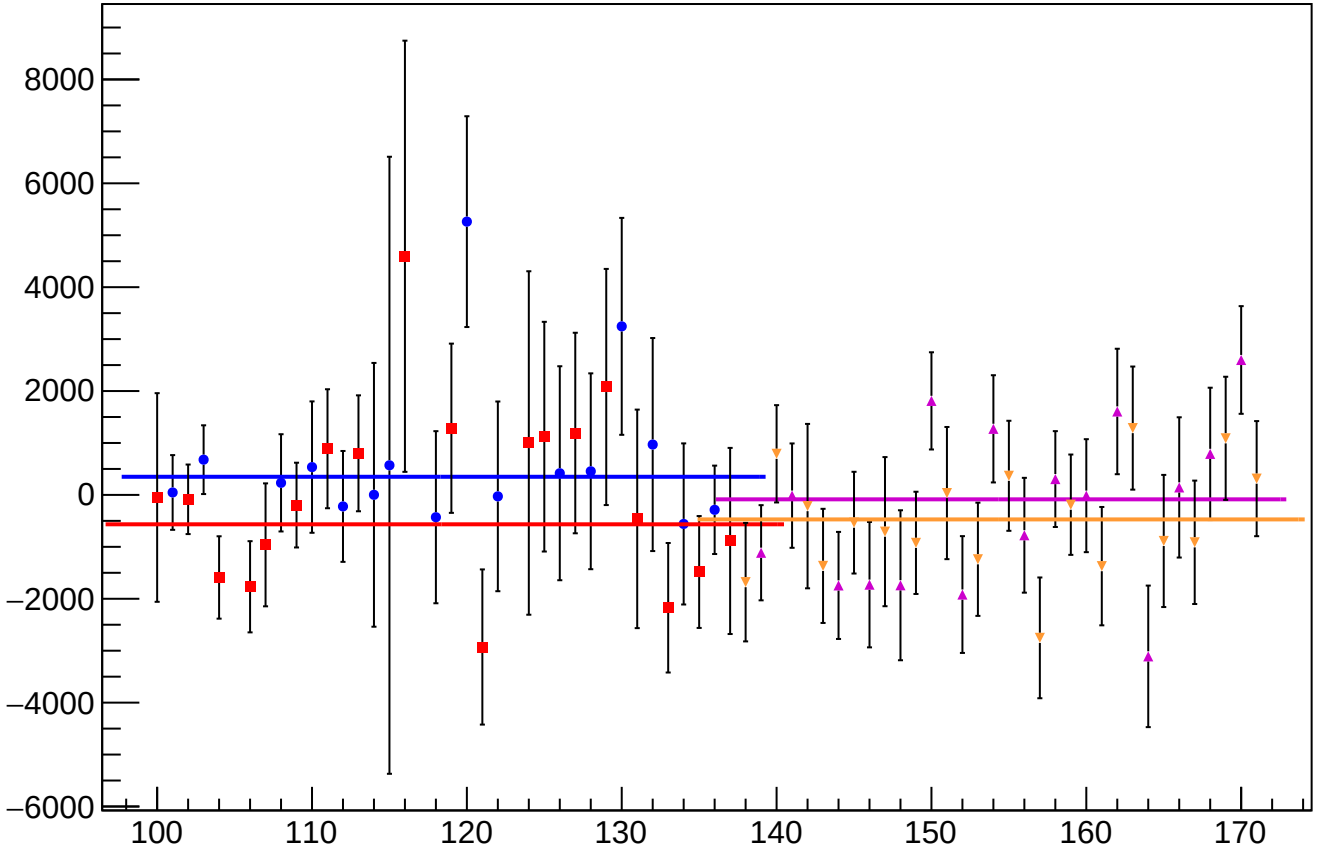
Left In: 163.531+/-0.032 χ^2/NDF:261575.7/15

+ sign 137.256+/-0.022 χ^2/NDF: 2375606.9/33

All: 134.444+/-0.015 χ^2/NDF: 5455643.2/68

- sign 131.691+/-0.021 χ^2/NDF: 3046437.4/34

asym_sam5_dit_correction_mean vs Slug



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -471.916+/-265.475 χ^2/NDF:14.4/17

Right Out: -566.026+/-279.219 χ^2/NDF: 18.3/18

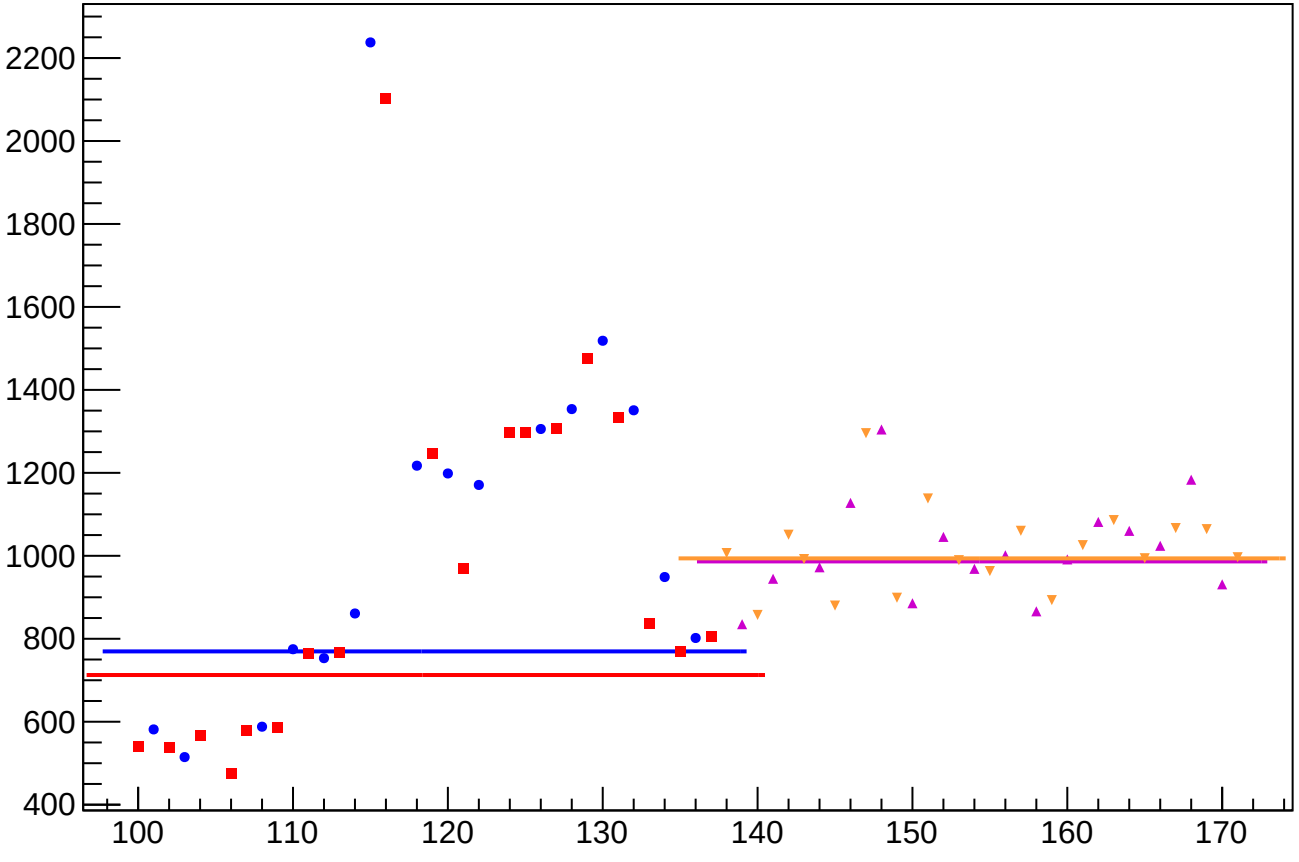
Left In: -85.374+/-274.058 χ^2/NDF:30.2/15

\+ sign -118.447+/-200.338 χ^2/NDF: 28.3/33

All: -222.265+/-139.950 χ^2/NDF: 78.8/68

\- sign -321.217+/-195.587 χ^2/NDF: 50.0/34

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 993.812+/-0.188 χ^2/NDF:263185.6/17

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

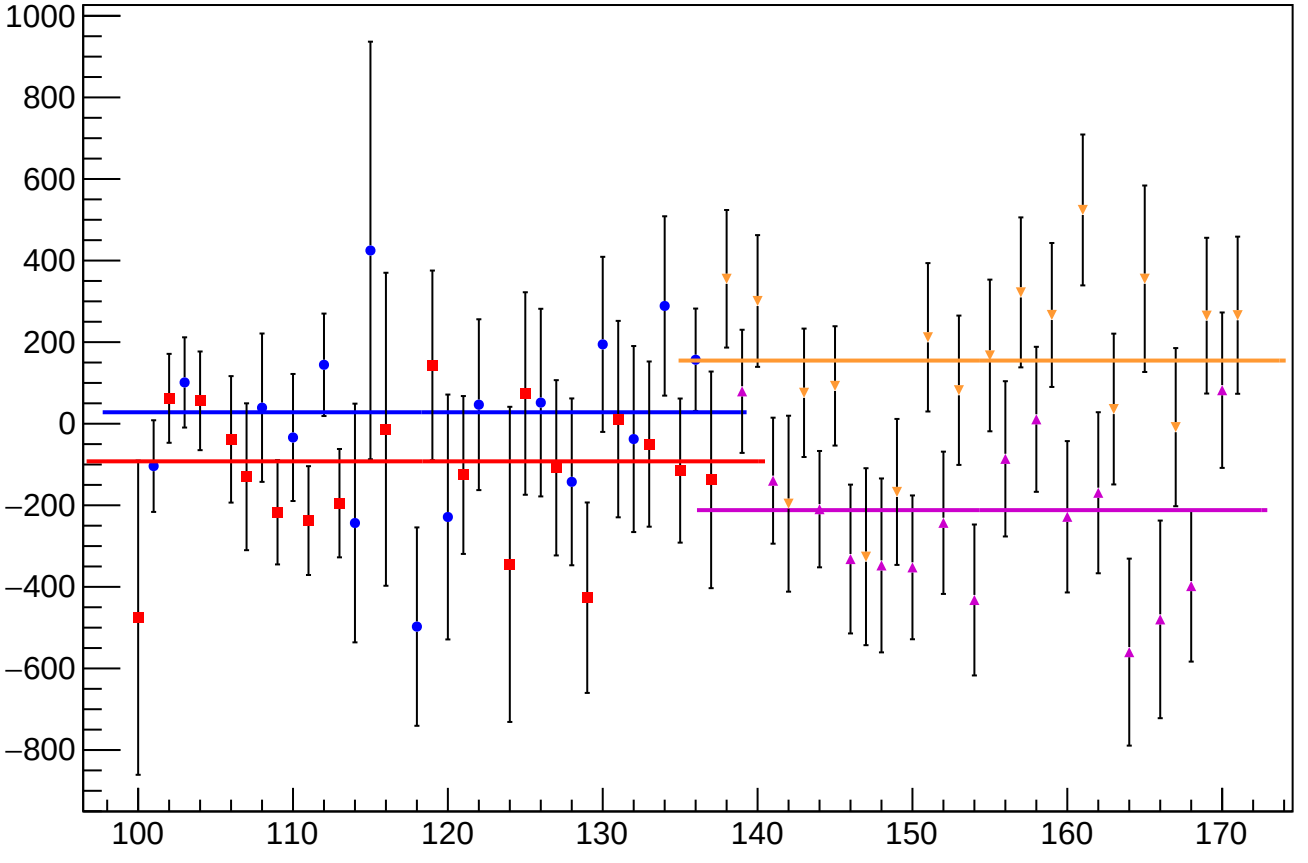
Left In: 986.486+/-0.194 χ^2/NDF:319741.9/15

+ sign 897.266+/-0.142 χ^2/NDF: 2617533.1/33

All: 874.147+/-0.099 χ^2/NDF: 5736436.2/68

- sign 852.112+/-0.138 χ^2/NDF: 3066882.7/34

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 154.852+/-42.881 χ^2/NDF:21.5/17

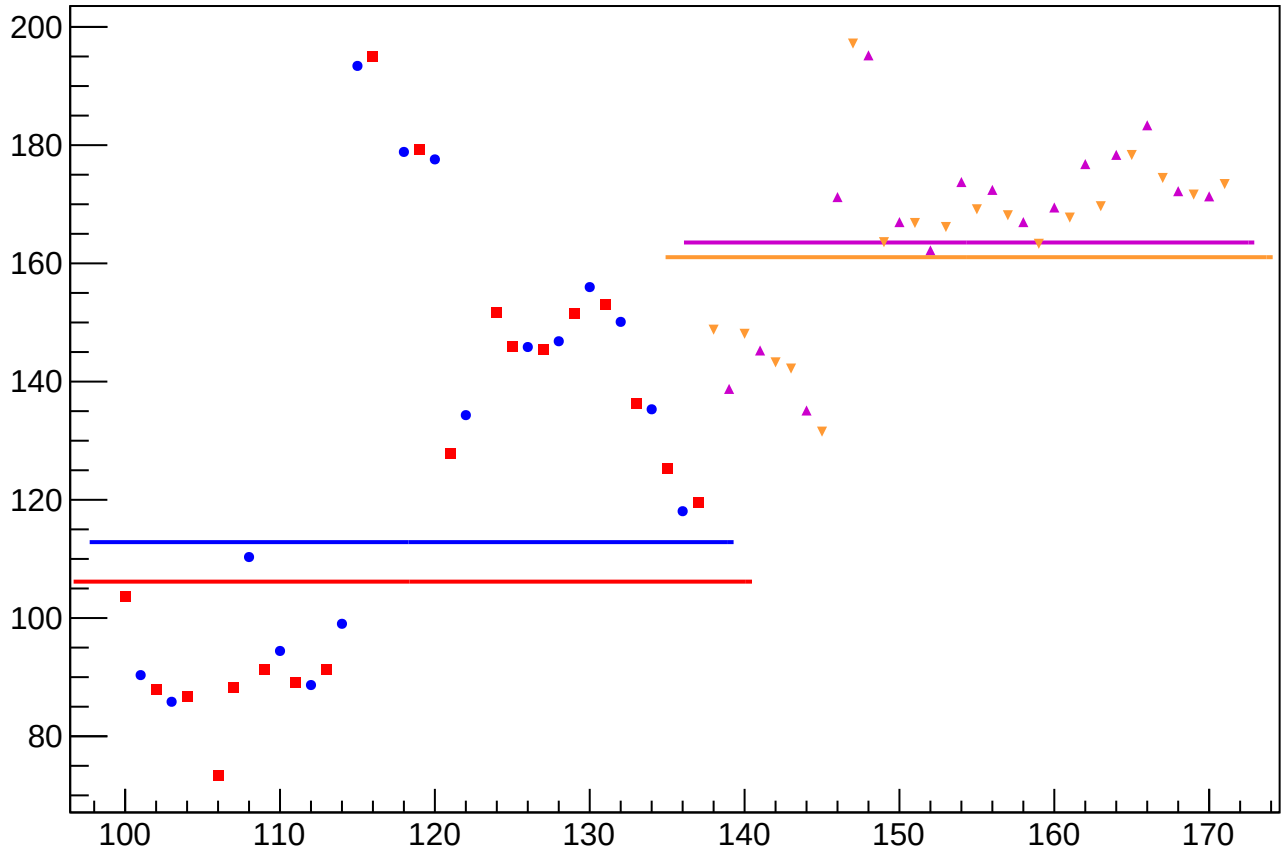
Right Out: -92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: -211.871+/-45.271 χ^2/NDF:15.8/15

+ sign 92.291+/-30.517 χ^2/NDF: 39.4/33

All: -27.836+/-21.466 χ^2/NDF: 101.5/68

- sign -145.482+/-30.200 χ^2/NDF: 31.4/34



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 161.046+/-0.030 χ^2/NDF:256078.3/17

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

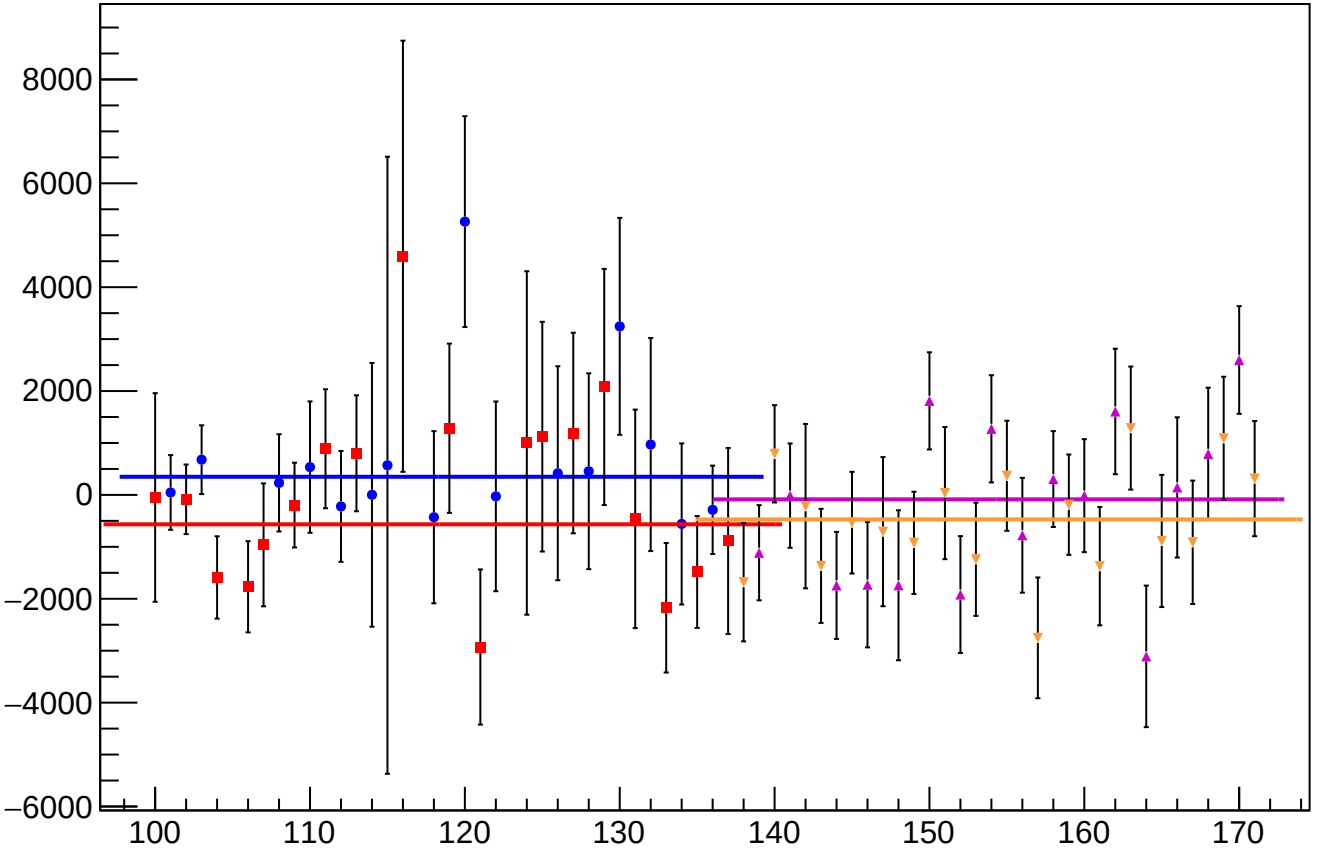
Left In: 163.531+/-0.032 χ^2/NDF:261569.8/15

+ sign 137.255+/-0.022 χ^2/NDF: 2375626.6/33

All: 134.444+/-0.015 χ^2/NDF: 5455674.9/68

- sign 131.691+/-0.021 χ^2/NDF: 3046450.1/34

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -471.915+/-265.475 χ^2/NDF:14.4/17

Right Out: -566.026+/-279.218 χ^2/NDF: 18.3/18

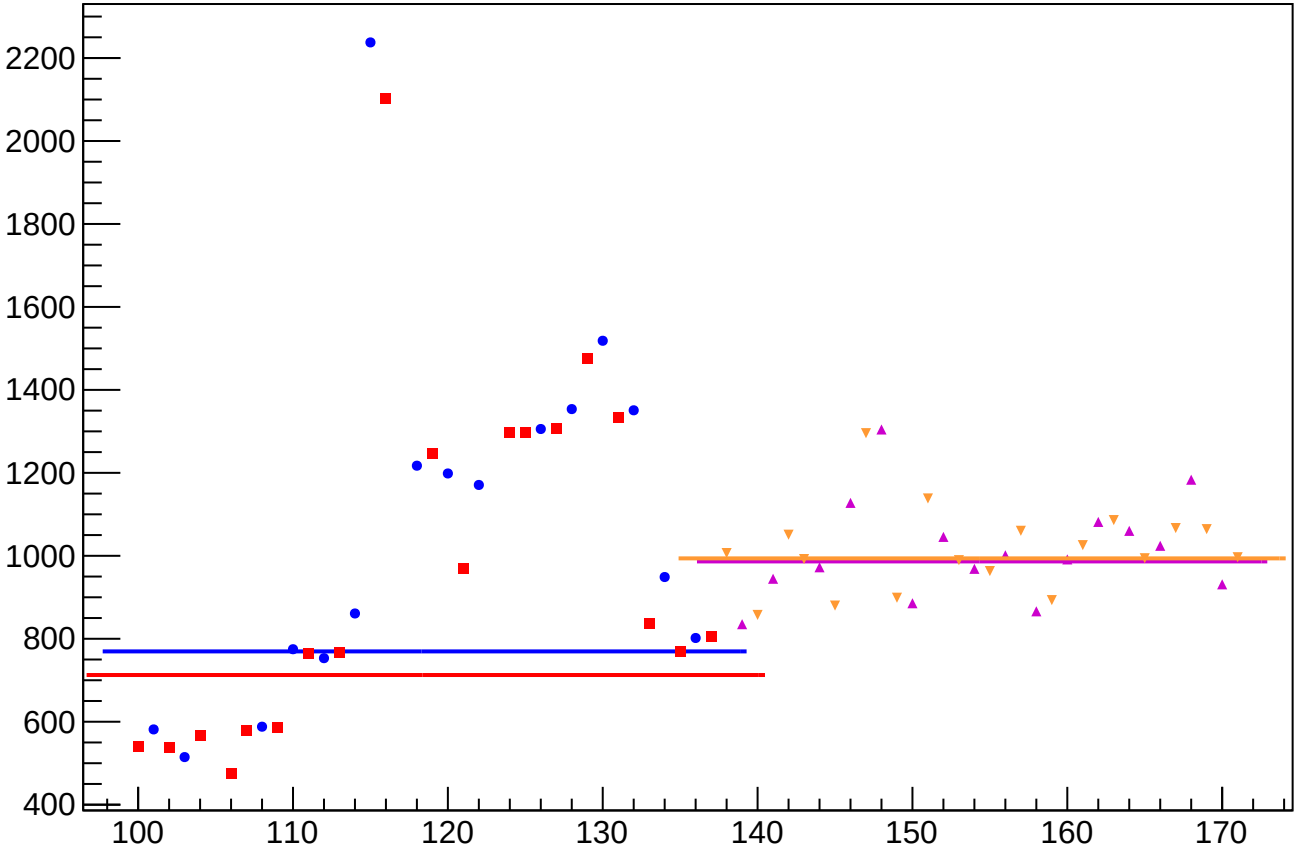
Left In: -85.374+/-274.058 χ^2/NDF:30.2/15

\+ sign -118.446+/-200.338 χ^2/NDF: 28.3/33

All: -222.265+/-139.950 χ^2/NDF: 78.8/68

\- sign -321.218+/-195.587 χ^2/NDF: 50.0/34

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 993.813+/-0.188 χ^2/NDF:263185.6/17

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

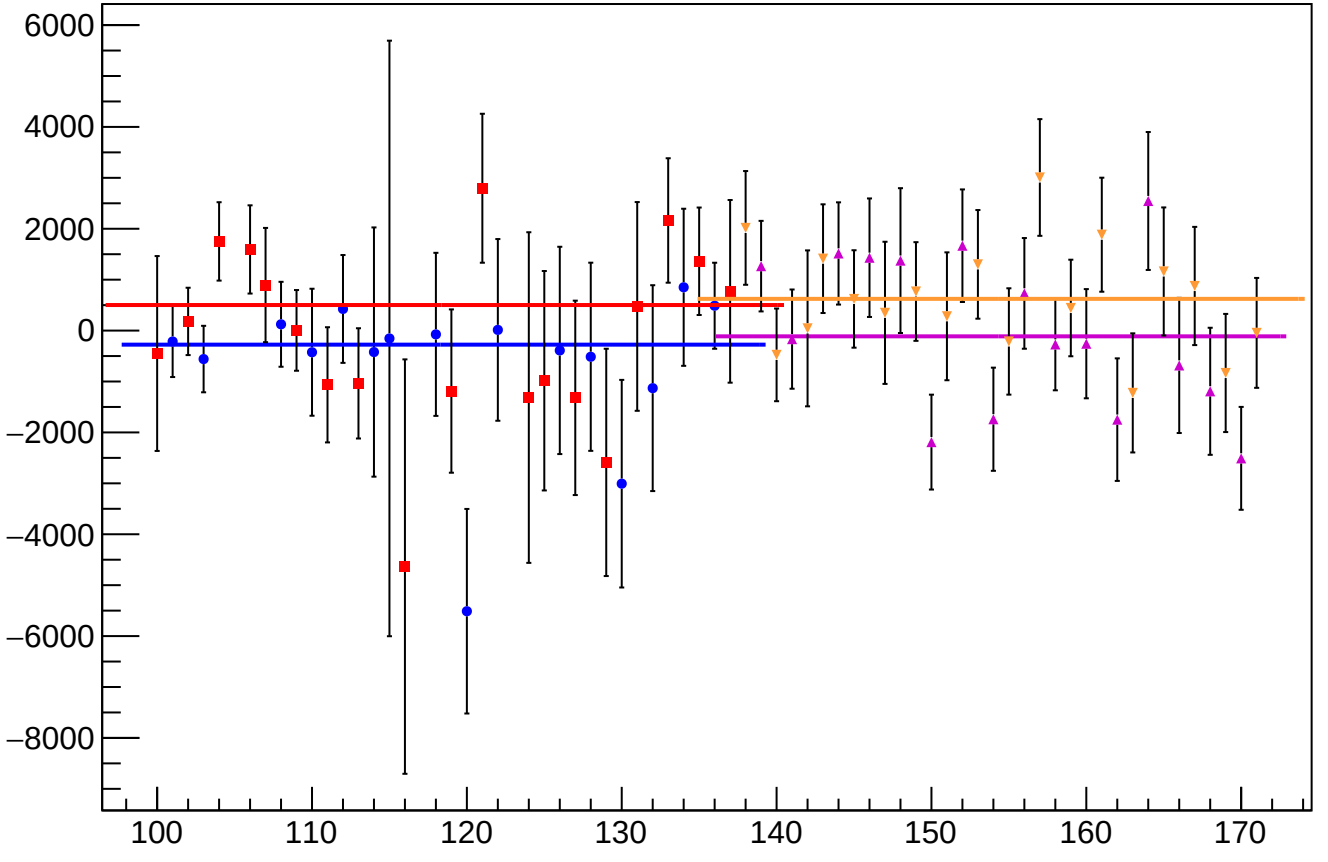
Left In: 986.487+/-0.194 χ^2/NDF:319740.8/15

+ sign 897.266+/-0.142 χ^2/NDF: 2617544.9/33

All: 874.147+/-0.099 χ^2/NDF: 5736458.0/68

- sign 852.111+/-0.138 χ^2/NDF: 3066892.2/34

asym_sam5_mean vs Slug



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 623.085+/-260.018 χ^2/NDF:15.2/17

Right Out: 501.985+/-272.991 χ^2/NDF: 20.5/18

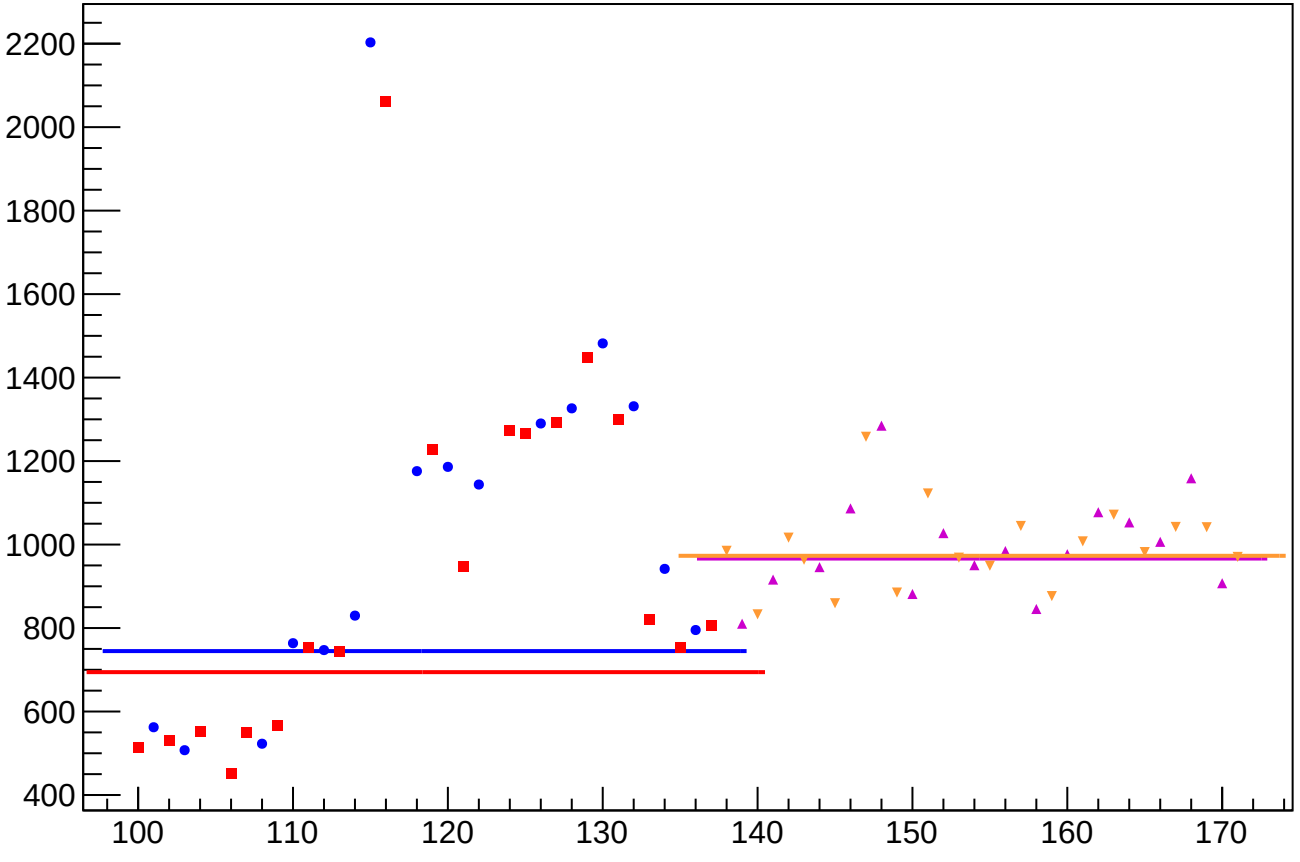
Left In: -112.896+/-268.607 χ^2/NDF:30.9/15

+ sign 232.452+/-195.553 χ^2/NDF: 31.5/33

All: 210.557+/-136.809 χ^2/NDF: 85.5/68

- sign 189.568+/-191.465 χ^2/NDF: 54.0/34

asym_sam5_rms vs Slug



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 973.082+/-0.184 χ^2/NDF:265843.8/17

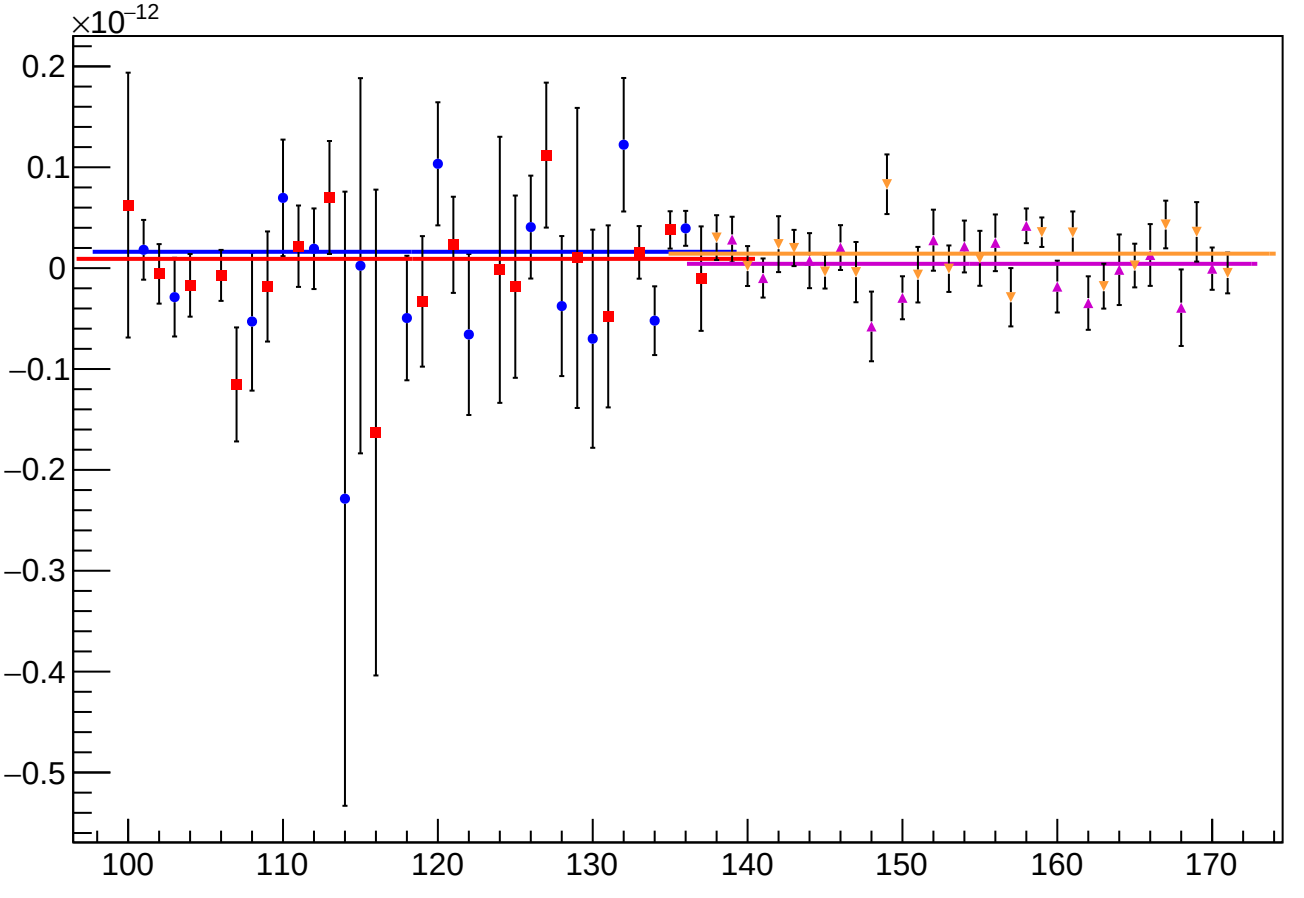
Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 966.462+/-0.190 χ^2/NDF:330513.4/15

+ sign 873.913+/-0.138 χ^2/NDF: 2758131.3/33

All: 852.824+/-0.097 χ^2/NDF: 5947613.5/68

- sign 832.607+/-0.135 χ^2/NDF: 3143924.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/18

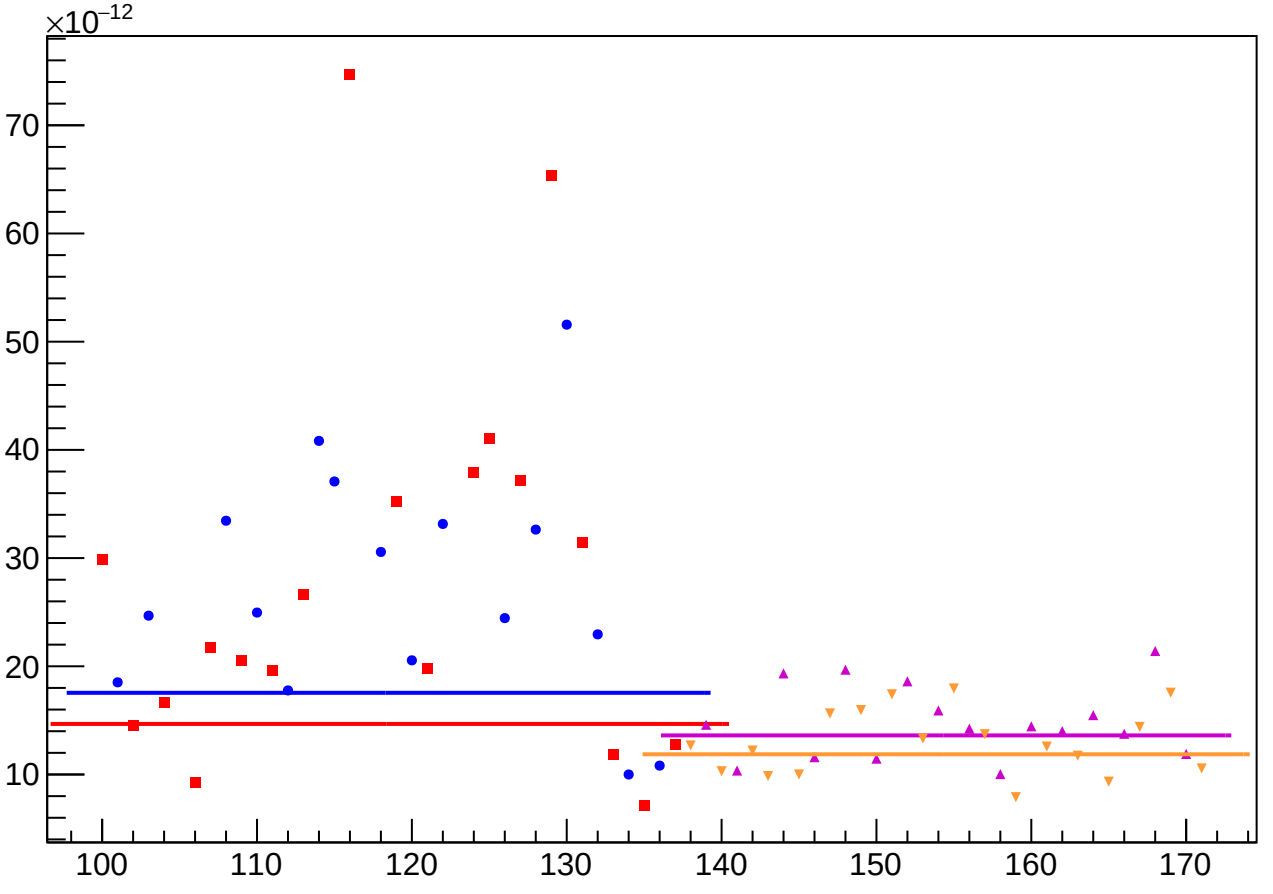
Left In: 0.000+/-0.000 χ^2/NDF:18.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 37.7/33

All: 0.000+/-0.000 χ^2/NDF: 72.4/68

- sign 0.000+/-0.000 χ^2/NDF: 33.0/34

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:615049.2/17

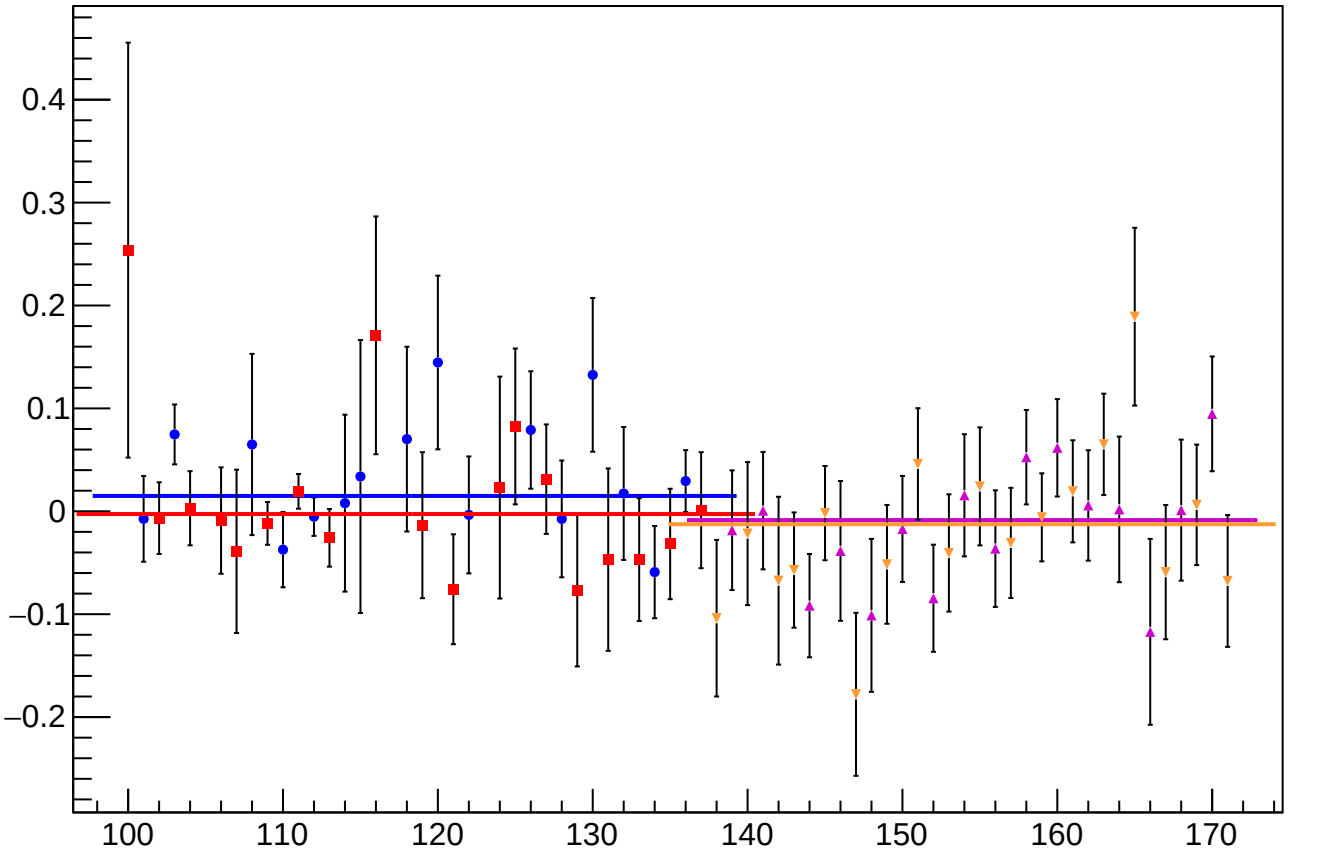
Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:510811.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 2229258.4/33

All: 0.000+/-0.000 χ^2/NDF: 4539123.8/68

- sign 0.000+/-0.000 χ^2/NDF: 2270201.6/34



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.013+/-0.014 χ^2/NDF:19.1/17

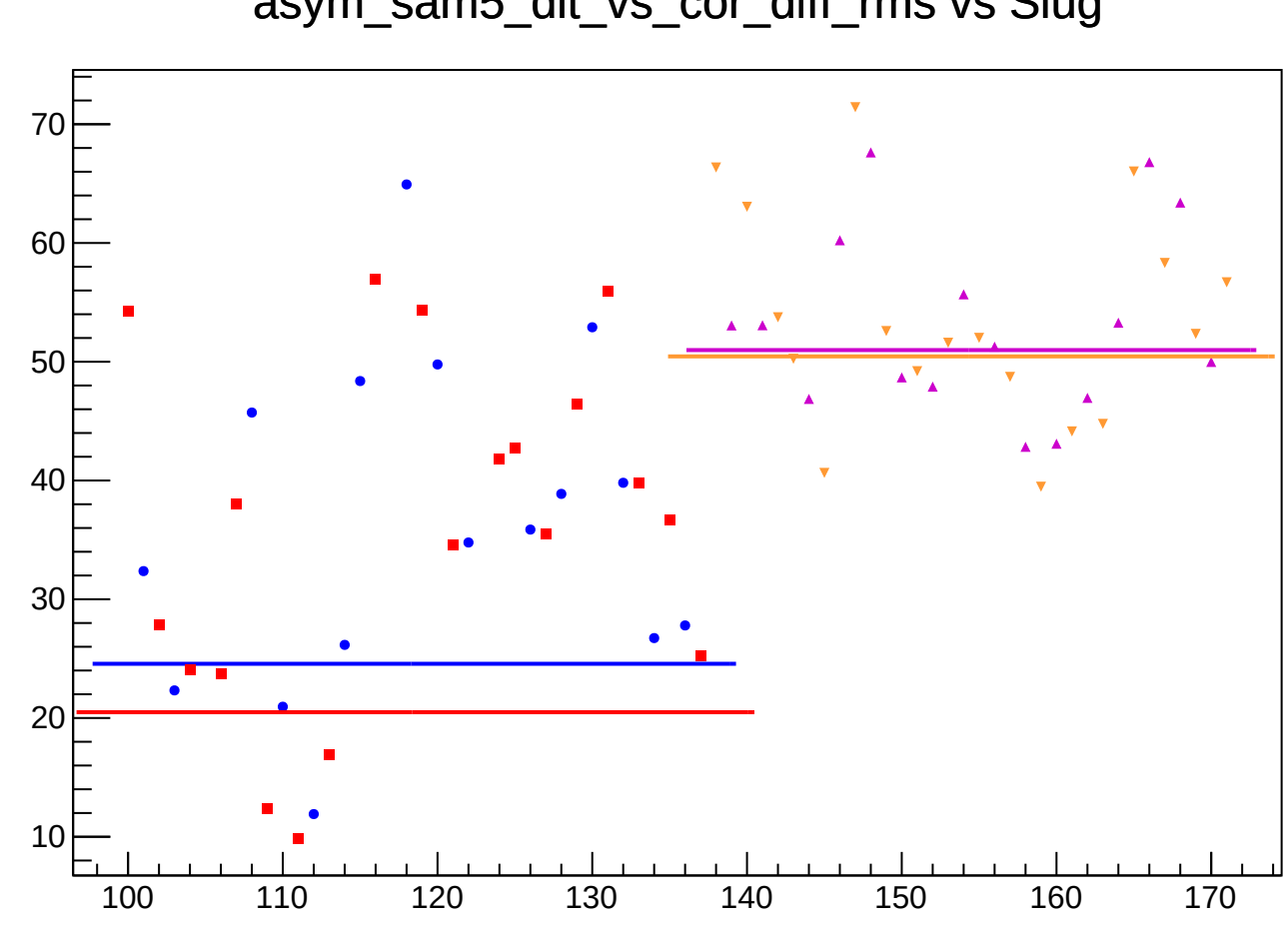
Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: -0.009+/-0.014 χ^2/NDF:16.1/15

+ sign 0.005+/-0.008 χ^2/NDF: 39.4/33

All: -0.000+/-0.006 χ^2/NDF: 68.6/68

- sign -0.004+/-0.008 χ^2/NDF: 28.6/34



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702575.9/17

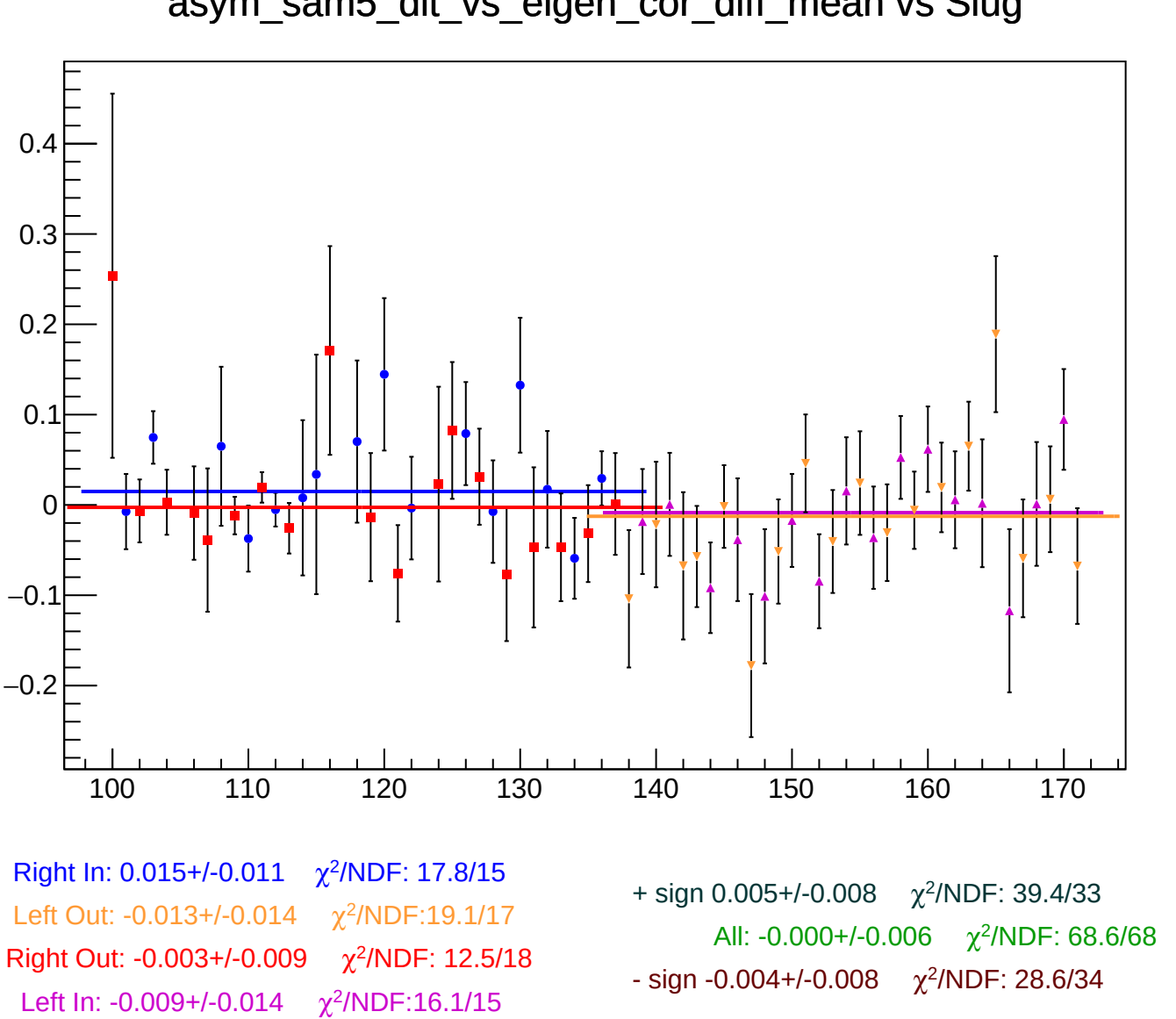
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.983+/-0.010 χ^2/NDF:439165.3/15

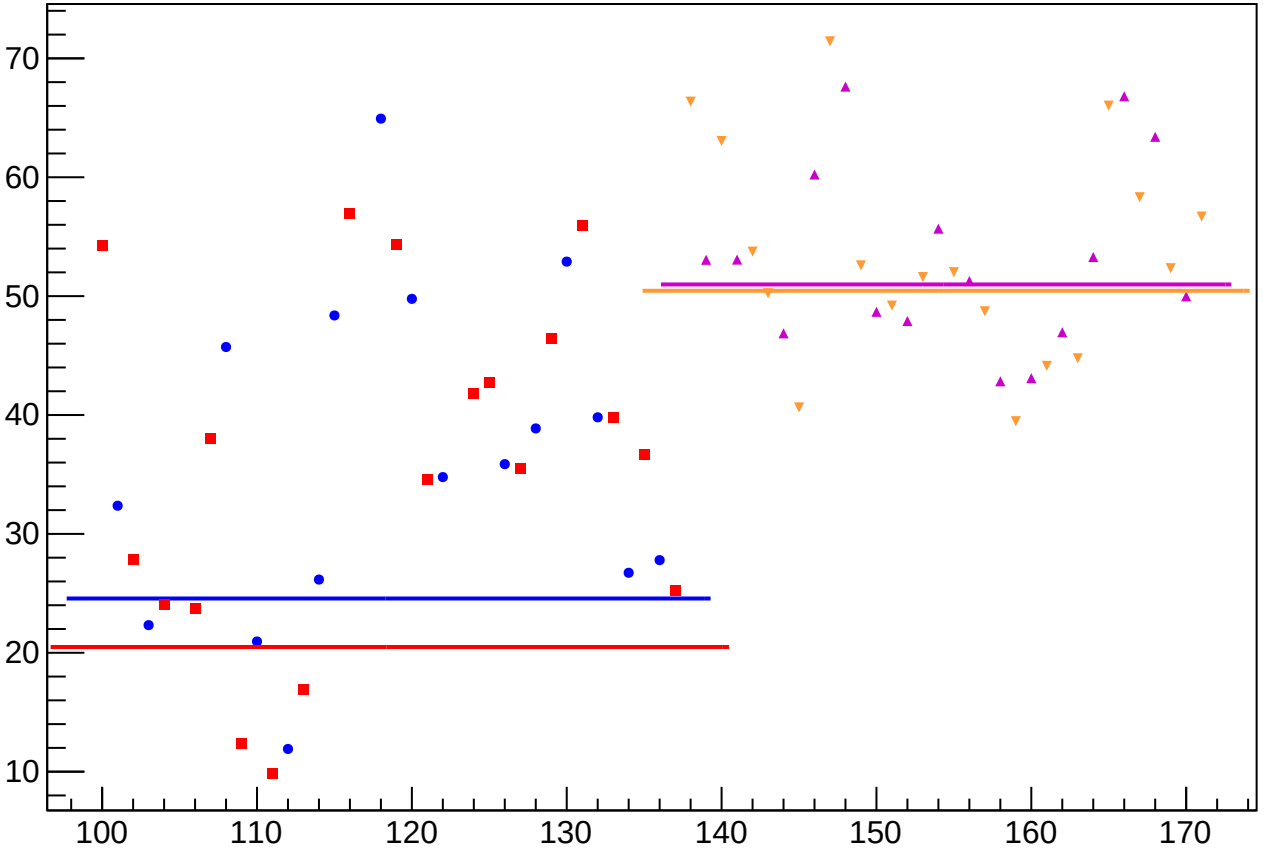
+ sign 34.276+/-0.006 χ^2/NDF: 7671803.3/33

All: 31.663+/-0.004 χ^2/NDF: 18455385.1/68

- sign 29.417+/-0.005 χ^2/NDF: 10420976.1/34


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
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.013+/-0.014 χ²/NDF:19.1/17
Right Out: -0.003+/-0.009 χ²/NDF: 12.5/18
Left In: -0.009+/-0.014 χ²/NDF:16.1/15
+ sign 0.005+/-0.008 χ²/NDF: 39.4/33
All: -0.000+/-0.006 χ²/NDF: 68.6/68
- sign -0.004+/-0.008 χ²/NDF: 28.6/34

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702575.9/17

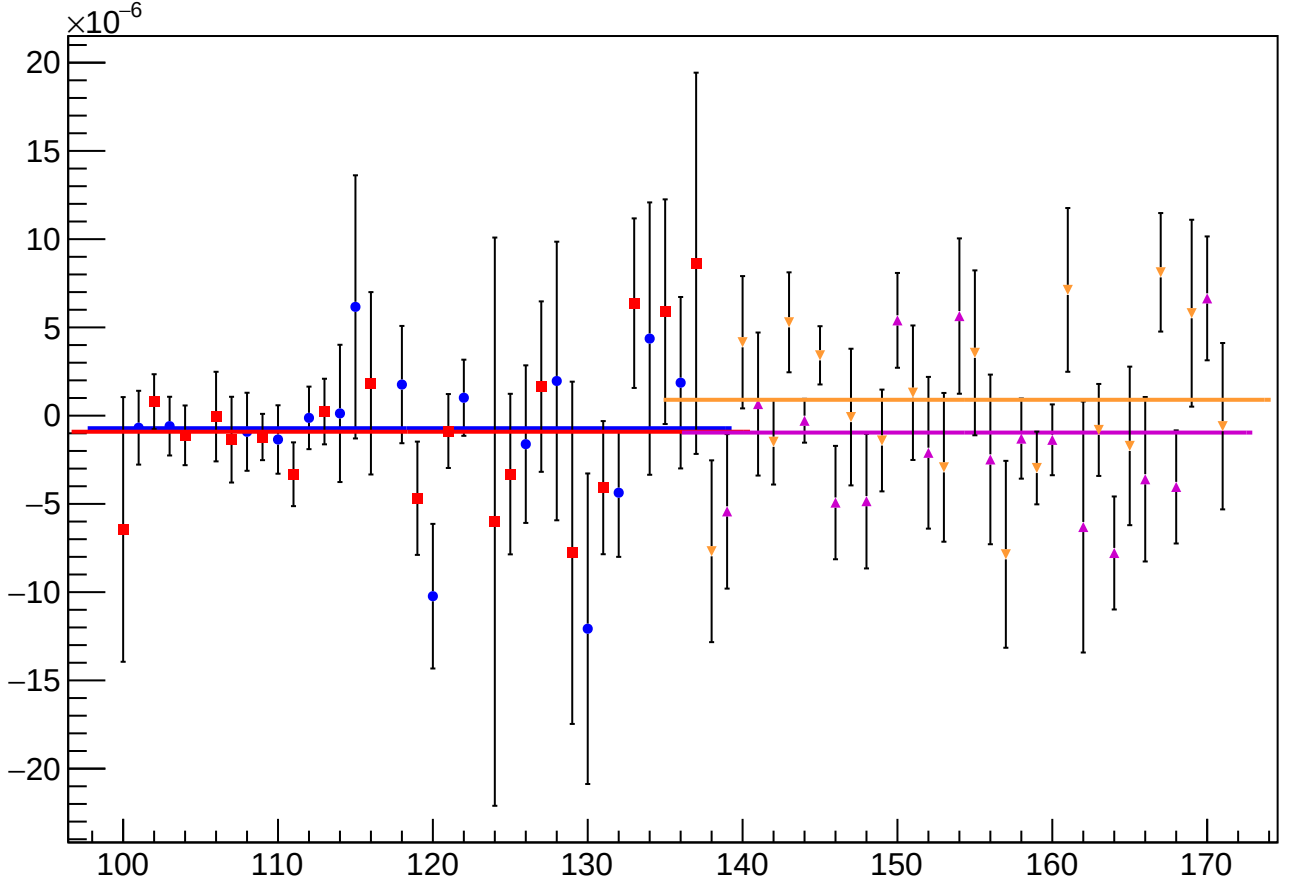
Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.983+/-0.010 χ^2/NDF:439165.3/15

+ sign 34.276+/-0.006 χ^2/NDF: 7671803.3/33

All: 31.663+/-0.004 χ^2/NDF: 18455385.1/68

- sign 29.417+/-0.005 χ^2/NDF: 10420976.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.5/17

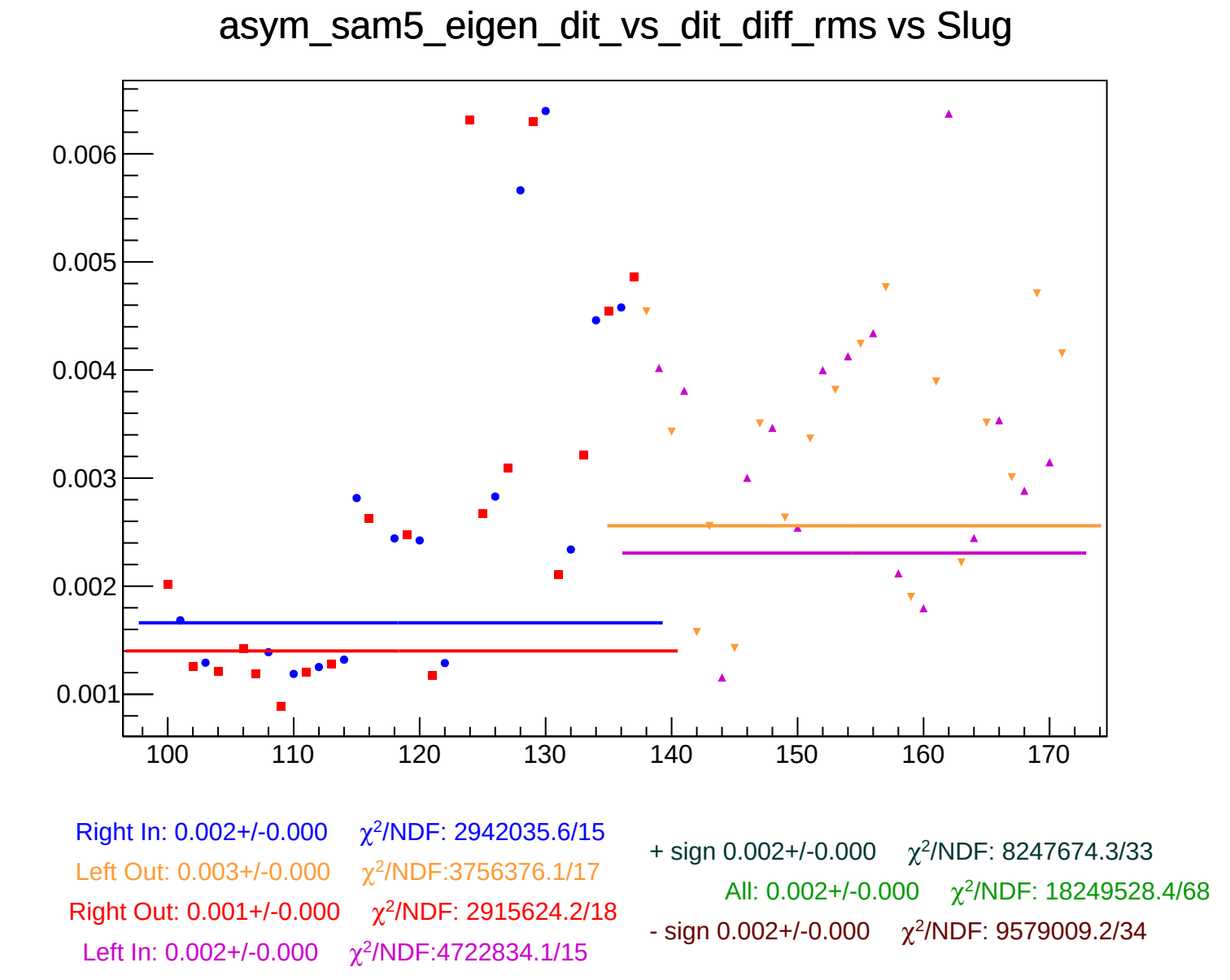
Right Out: -0.000+/-0.000 χ^2/NDF: 11.9/18

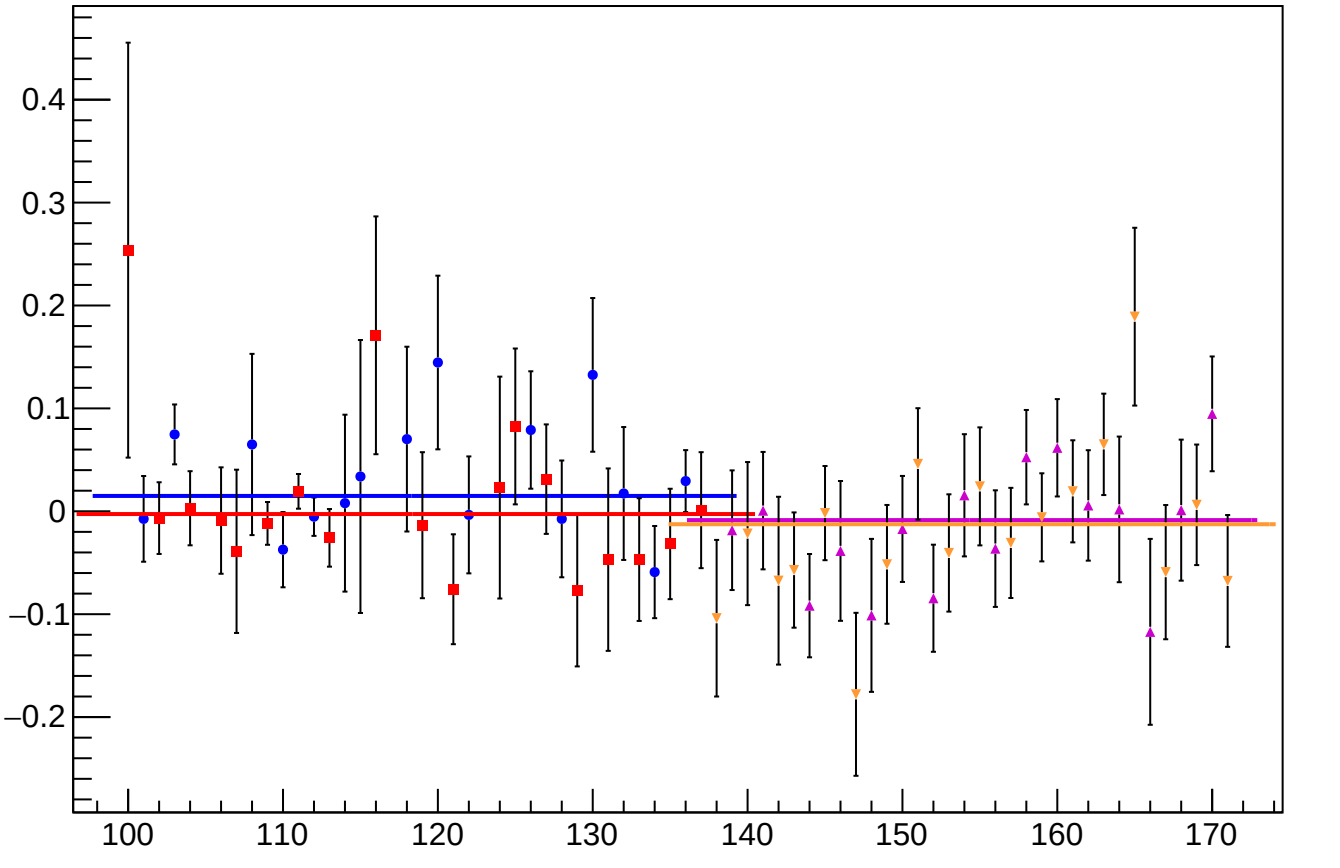
Left In: -0.000+/-0.000 χ^2/NDF:23.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 39.3/33

All: -0.000+/-0.000 χ^2/NDF: 76.4/68

- sign -0.000+/-0.000 χ^2/NDF: 35.0/34


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.003+/-0.000 χ²/NDF:3756376.1/17
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:4722834.1/15
+ sign 0.002+/-0.000 χ²/NDF: 8247674.3/33
All: 0.002+/-0.000 χ²/NDF: 18249528.4/68
- sign 0.002+/-0.000 χ²/NDF: 9579009.2/34



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.013+/-0.014 χ^2/NDF:19.1/17

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

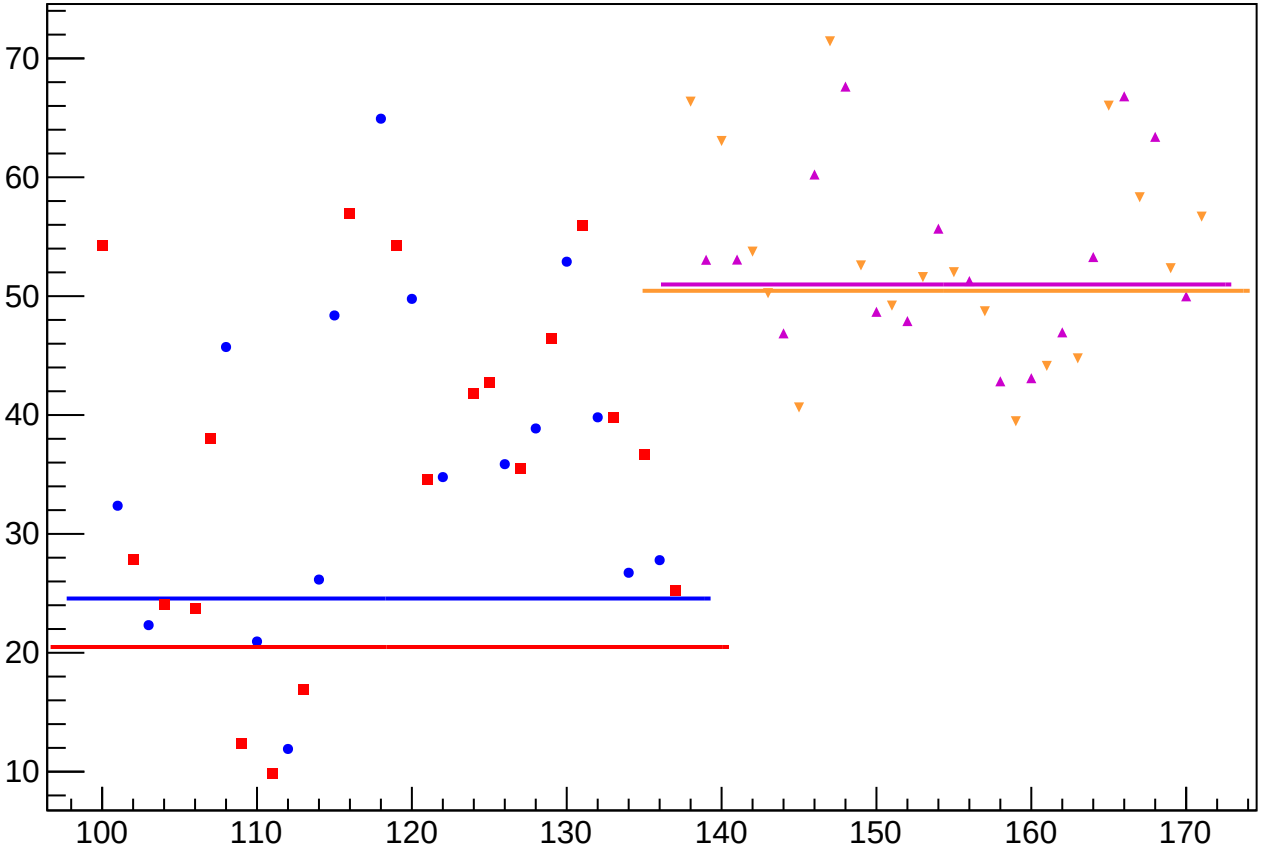
Left In: -0.009+/-0.014 χ^2/NDF:16.1/15

+ sign 0.005+/-0.008 χ^2/NDF: 39.4/33

All: -0.000+/-0.006 χ^2/NDF: 68.6/68

- sign -0.004+/-0.008 χ^2/NDF: 28.6/34

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702702.4/17

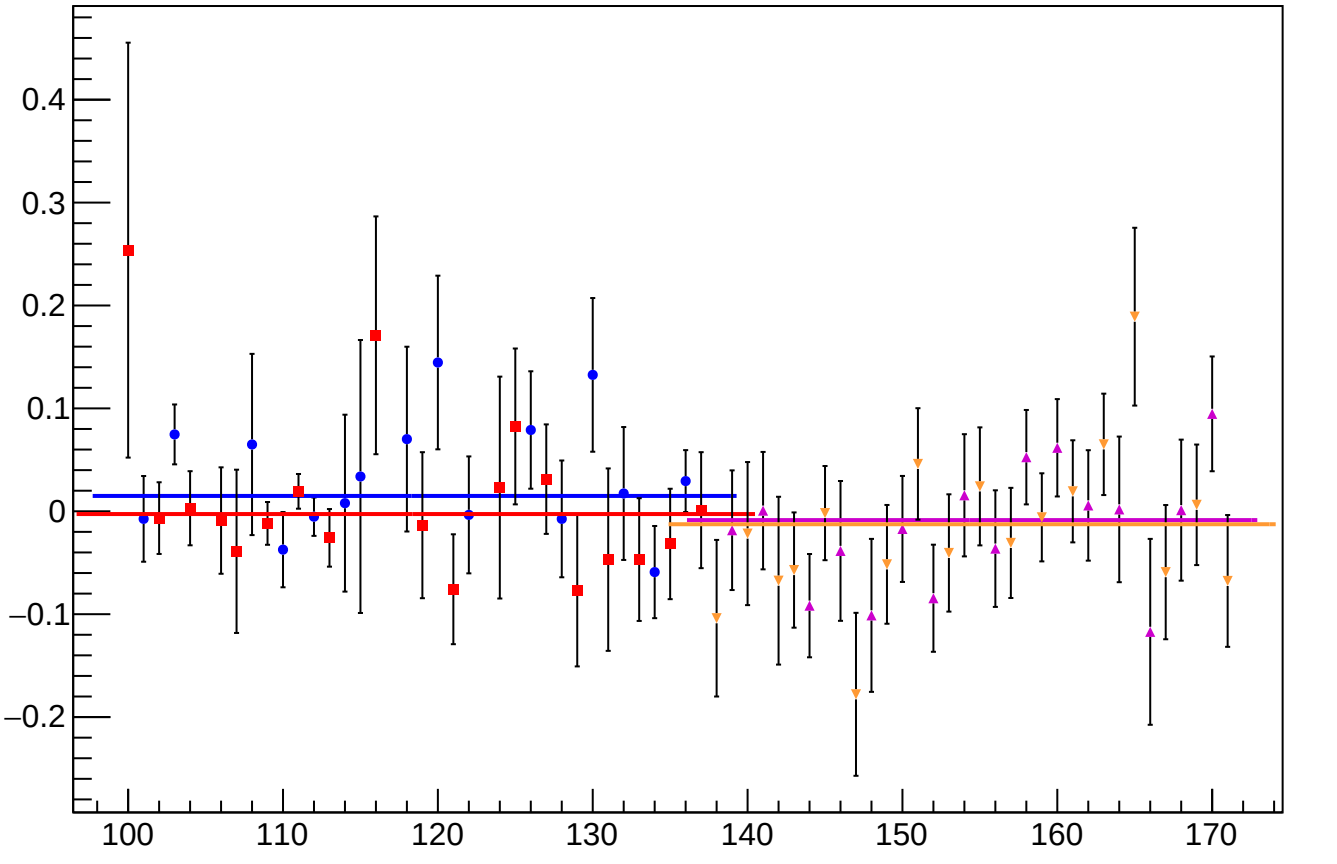
Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 50.983+/-0.010 χ^2/NDF:439259.1/15

+ sign 34.276+/-0.006 χ^2/NDF: 7672079.3/33

All: 31.662+/-0.004 χ^2/NDF: 18456022.4/68

- sign 29.416+/-0.005 χ^2/NDF: 10421312.4/34



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.013+/-0.014 χ^2/NDF:19.1/17

Right Out: -0.003+/-0.009 χ^2/NDF: 12.5/18

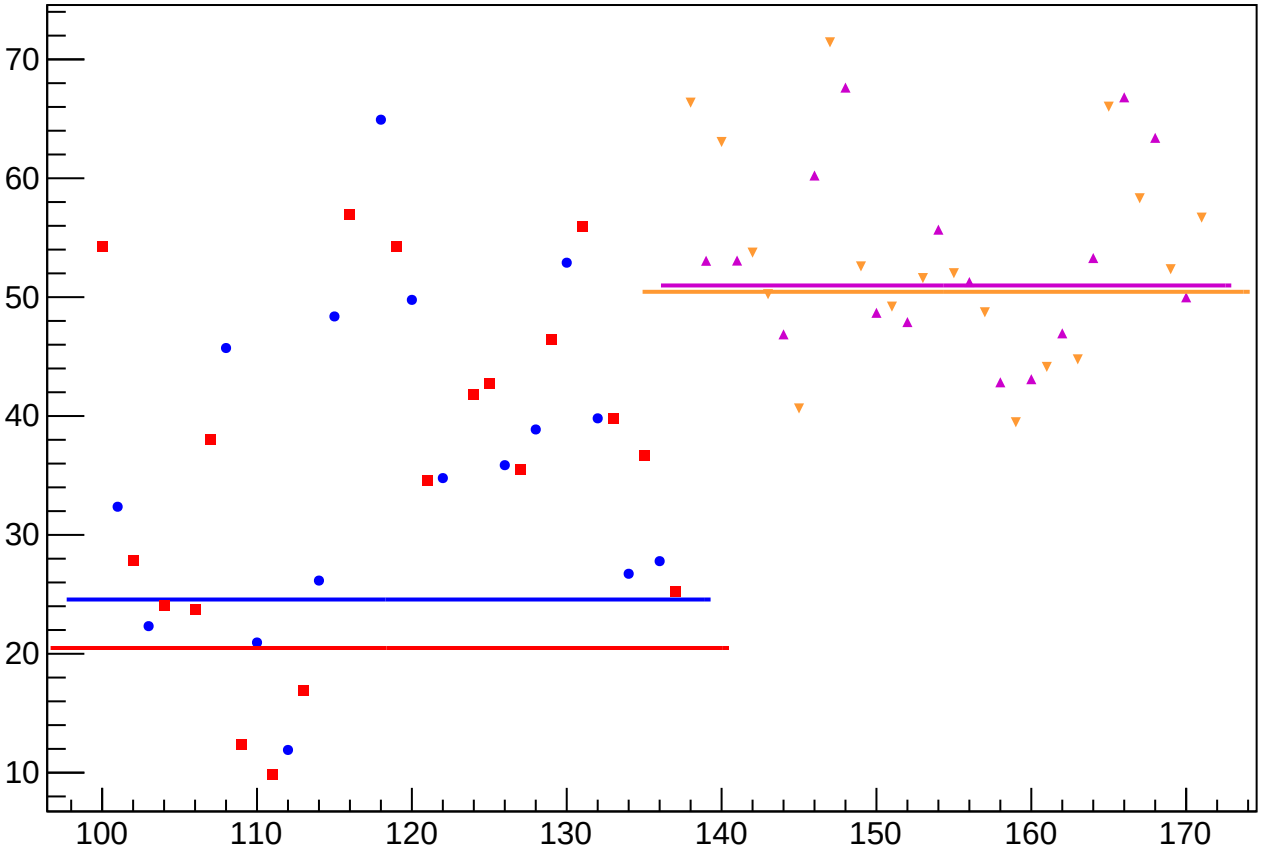
Left In: -0.009+/-0.014 χ^2/NDF:16.1/15

+ sign 0.005+/-0.008 χ^2/NDF: 39.4/33

All: -0.000+/-0.006 χ^2/NDF: 68.6/68

- sign -0.004+/-0.008 χ^2/NDF: 28.6/34

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702702.4/17

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

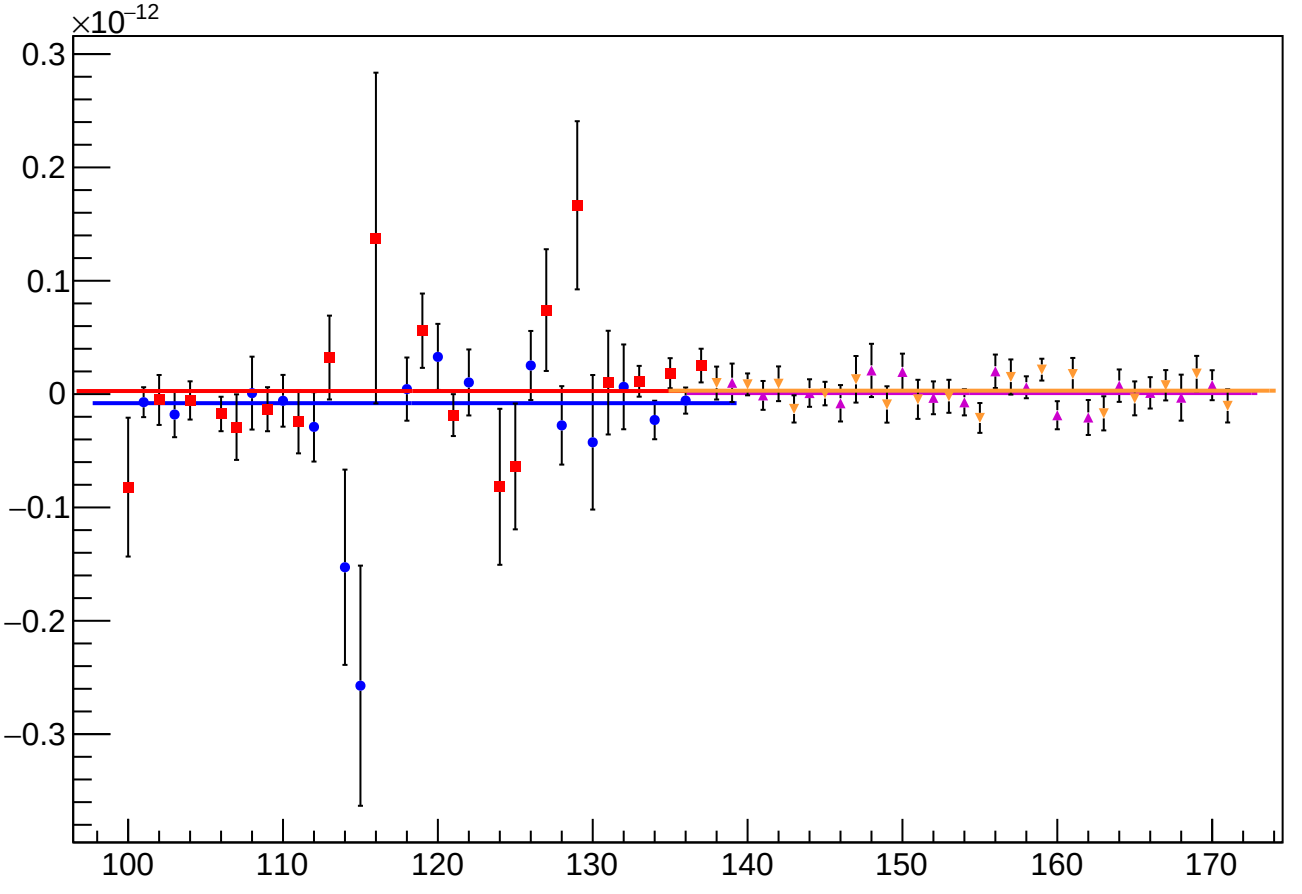
Left In: 50.983+/-0.010 χ^2/NDF:439259.1/15

+ sign 34.276+/-0.006 χ^2/NDF: 7672079.3/33

All: 31.662+/-0.004 χ^2/NDF: 18456022.4/68

- sign 29.416+/-0.005 χ^2/NDF: 10421312.4/34

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:16.3/17

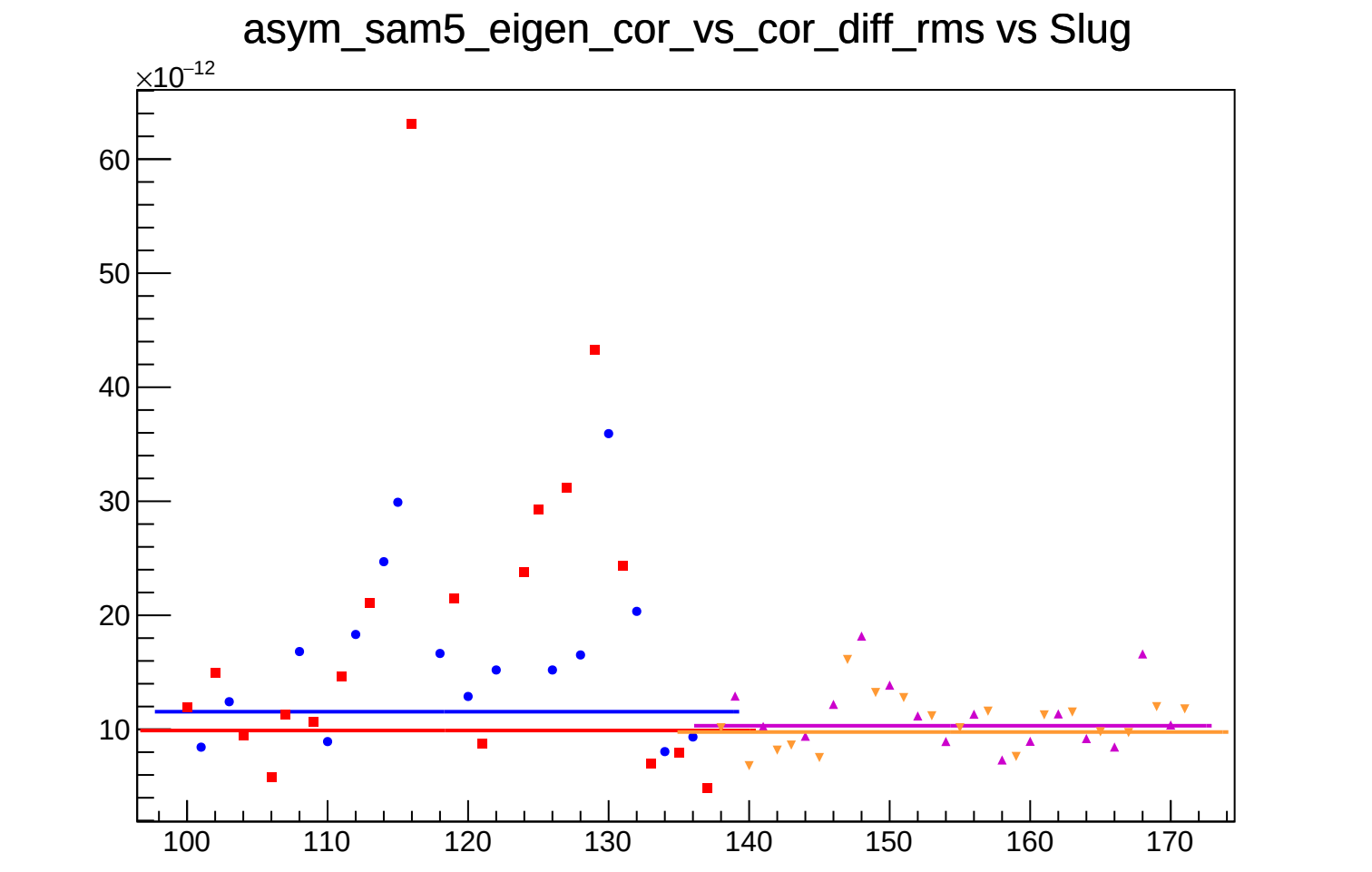
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/15

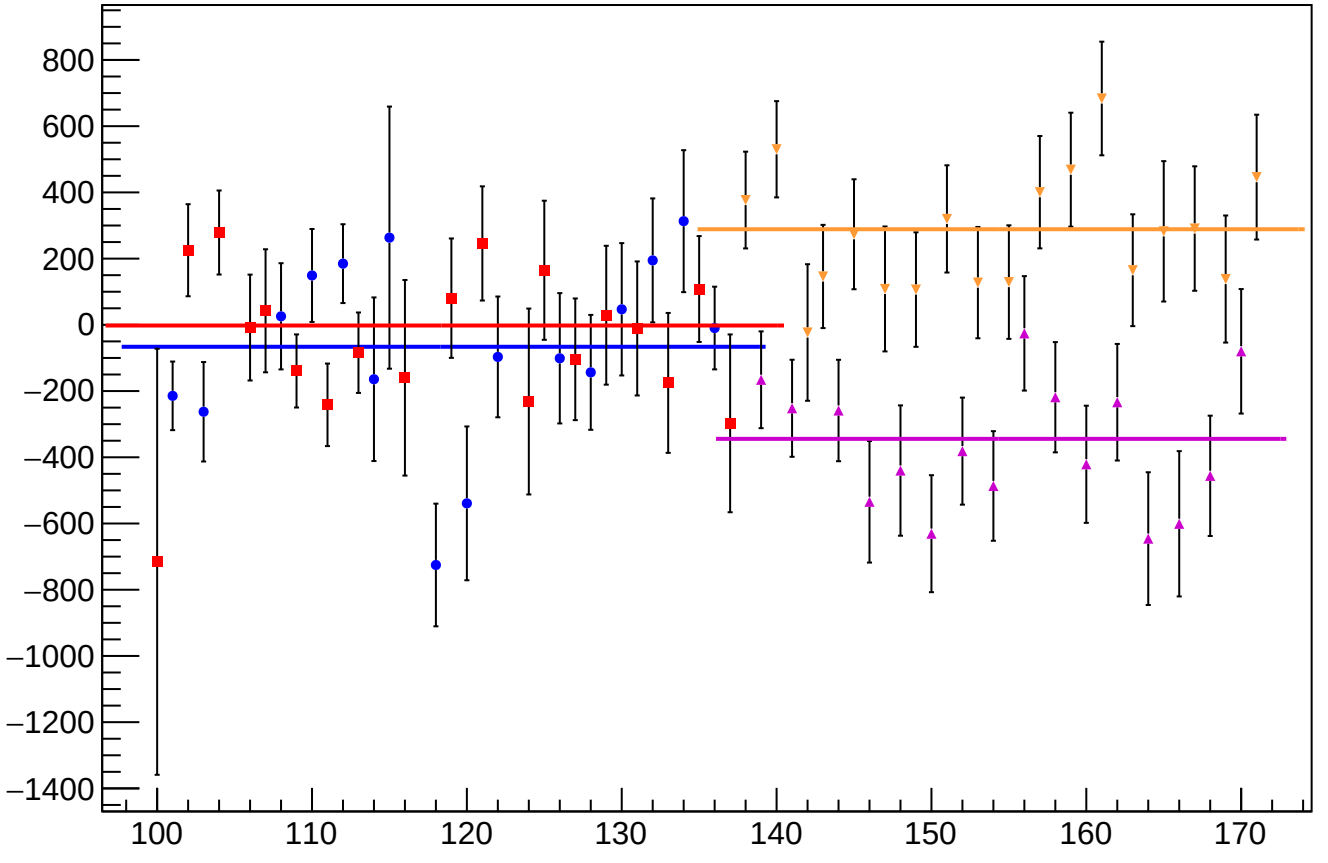
+ sign 0.000+/-0.000 χ^2/NDF: 33.6/33

All: 0.000+/-0.000 χ^2/NDF: 70.0/68

- sign 0.000+/-0.000 χ^2/NDF: 36.4/34


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻¹²
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:942564.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:919303.1/15
+ sign 0.000+/-0.000 χ²/NDF: 2268673.9/33
All: 0.000+/-0.000 χ²/NDF: 5832657.2/68
- sign 0.000+/-0.000 χ²/NDF: 3563977.2/34

reg_asym_sam6_mean vs Slug



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.731+/-40.571 χ^2/NDF:18.8/17

Right Out: -2.017+/-38.866 χ^2/NDF: 21.1/18

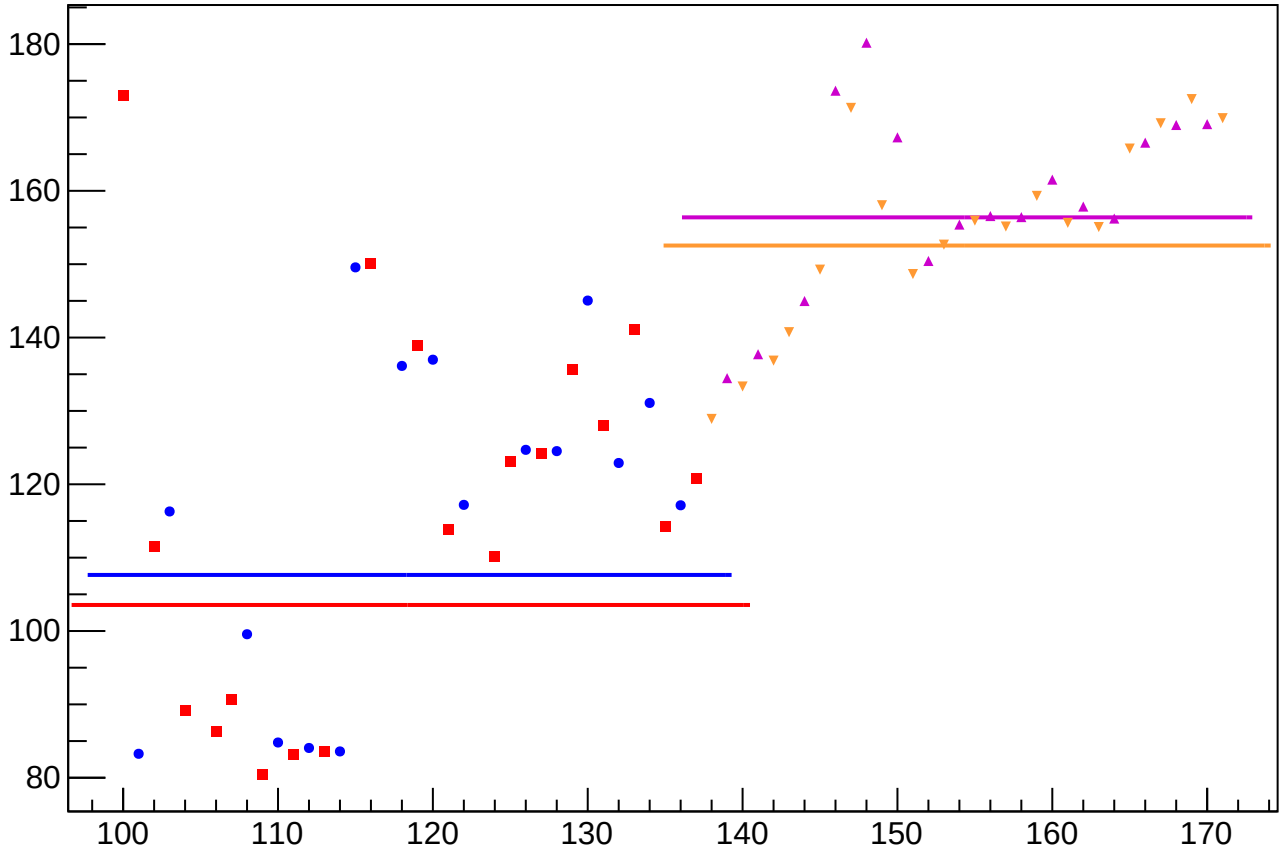
Left In: -344.340+/-43.181 χ^2/NDF:17.5/15

+ sign 112.847+/-28.816 χ^2/NDF: 91.1/33

All: -20.856+/-20.402 χ^2/NDF: 207.6/68

- sign -155.224+/-28.888 χ^2/NDF: 73.3/34

reg_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

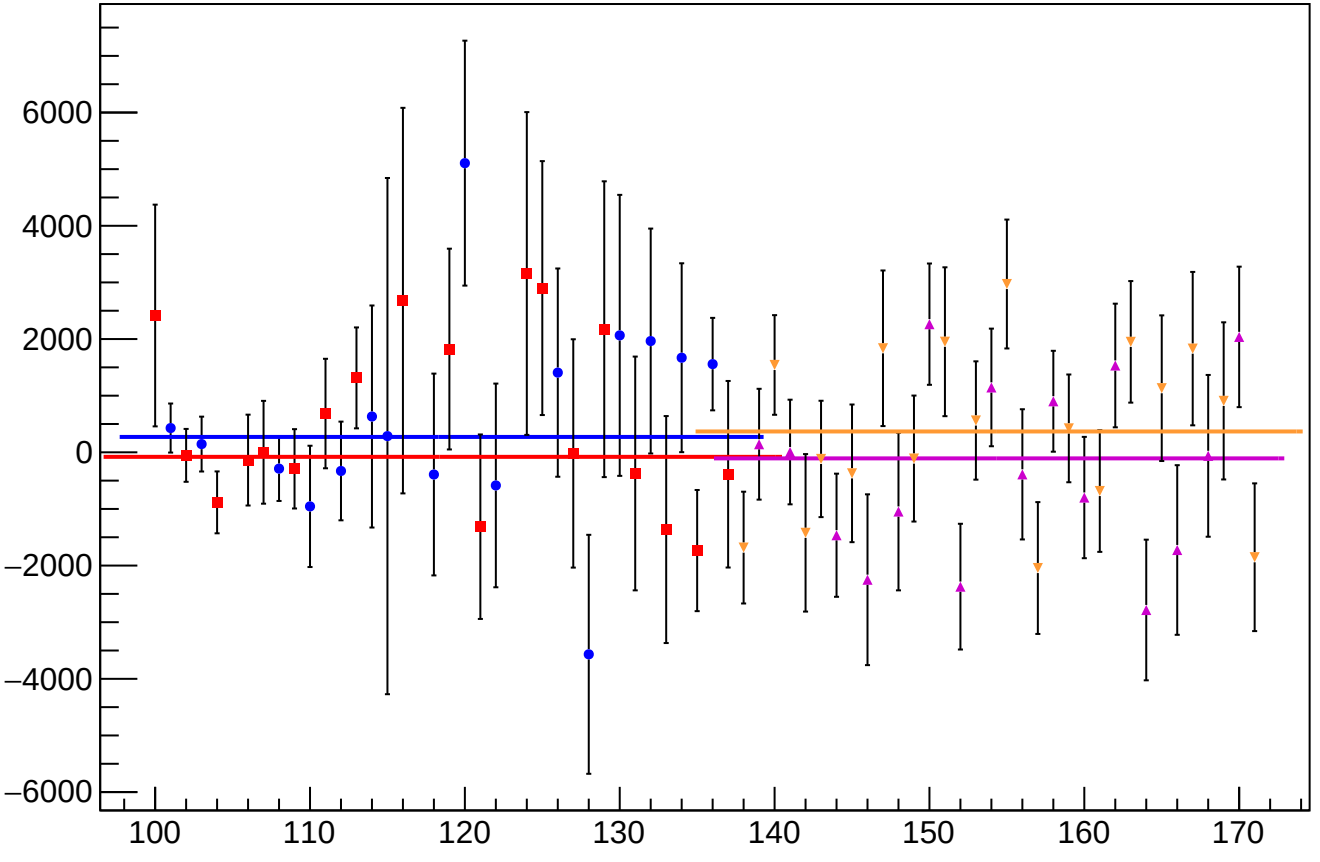
Left In: 156.384+/-0.031 χ^2/NDF:170680.2/15

+ sign 130.296+/-0.020 χ^2/NDF: 1948152.7/33

All: 128.749+/-0.014 χ^2/NDF: 4401786.9/68

- sign 127.196+/-0.020 χ^2/NDF: 2442091.1/34

asym_sam6_reg_correction_mean vs Slug



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 368.093+/-268.228 χ^2/NDF:28.4/17

Right Out: -80.094+/-232.154 χ^2/NDF: 16.0/18

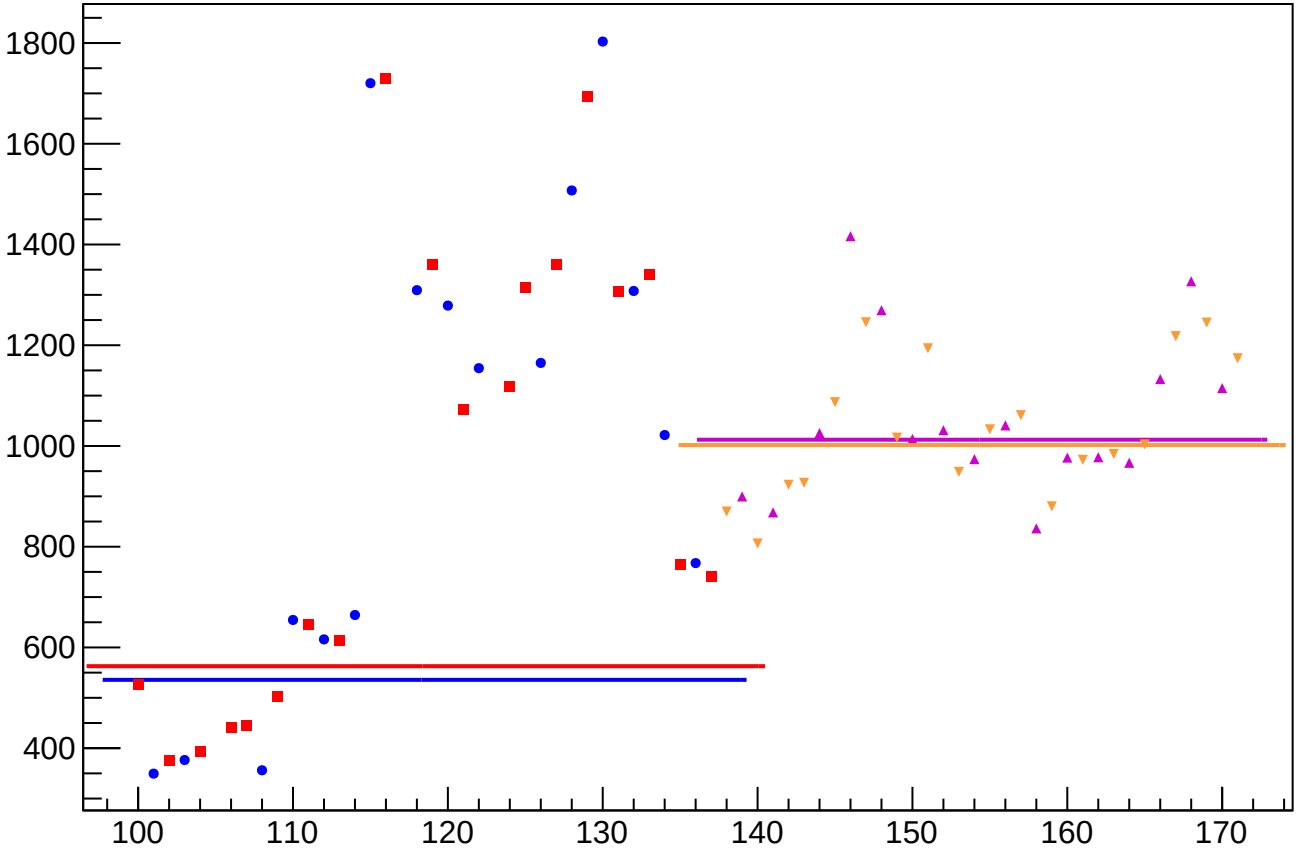
Left In: -107.240+/-281.841 χ^2/NDF:27.4/15

+ sign 312.567+/-174.889 χ^2/NDF: 44.9/33

All: 115.653+/-125.159 χ^2/NDF: 91.0/68

- sign -91.068+/-179.191 χ^2/NDF: 43.5/34

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1001.842+/-0.190 χ^2/NDF:461122.2/17

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

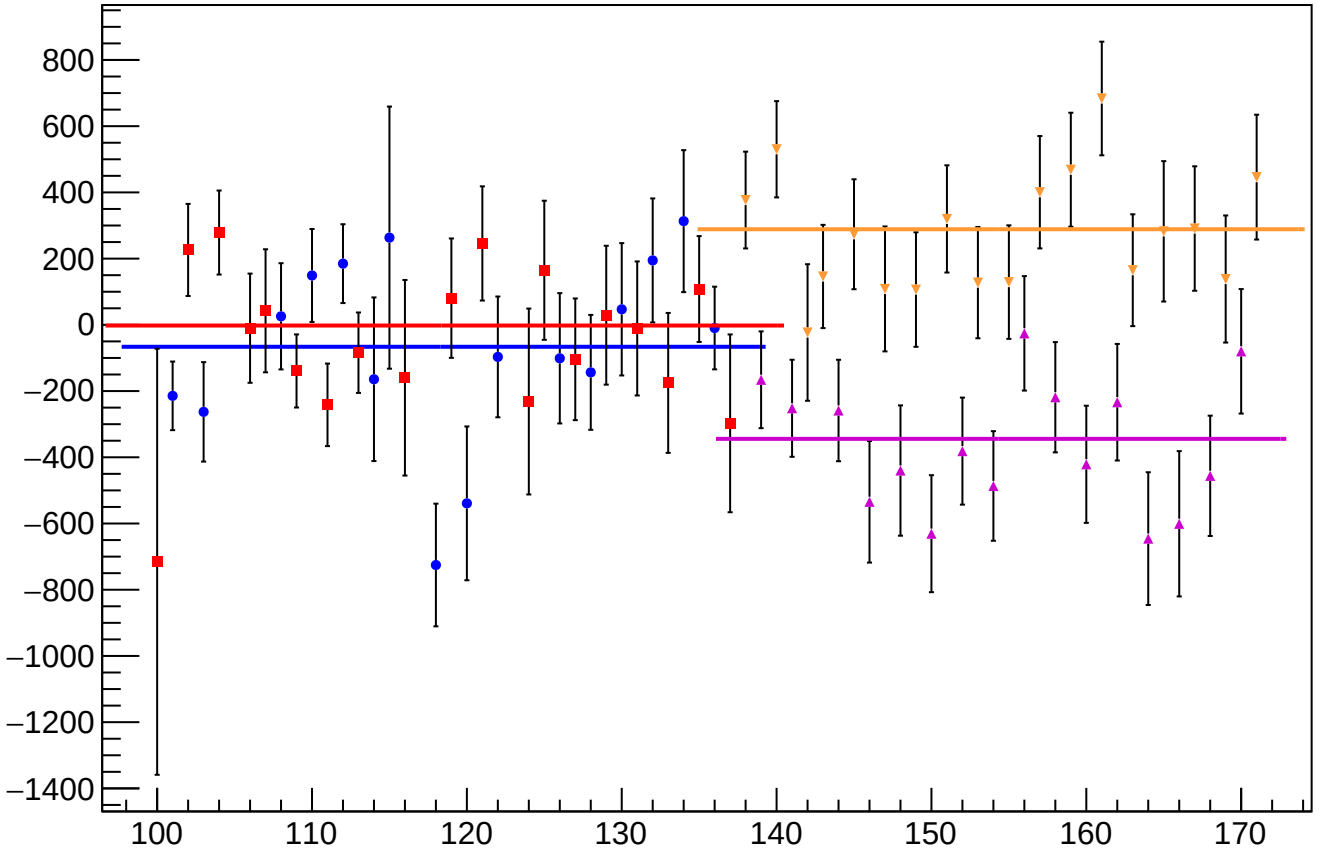
Left In: 1012.442+/-0.199 χ^2/NDF:500480.3/15

+ sign 733.859+/-0.124 χ^2/NDF: 7566167.3/33

All: 739.092+/-0.089 χ^2/NDF: 14213484.6/68

- sign 744.584+/-0.127 χ^2/NDF: 6643648.1/34

cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.728+/-40.571 χ^2/NDF:18.8/17

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

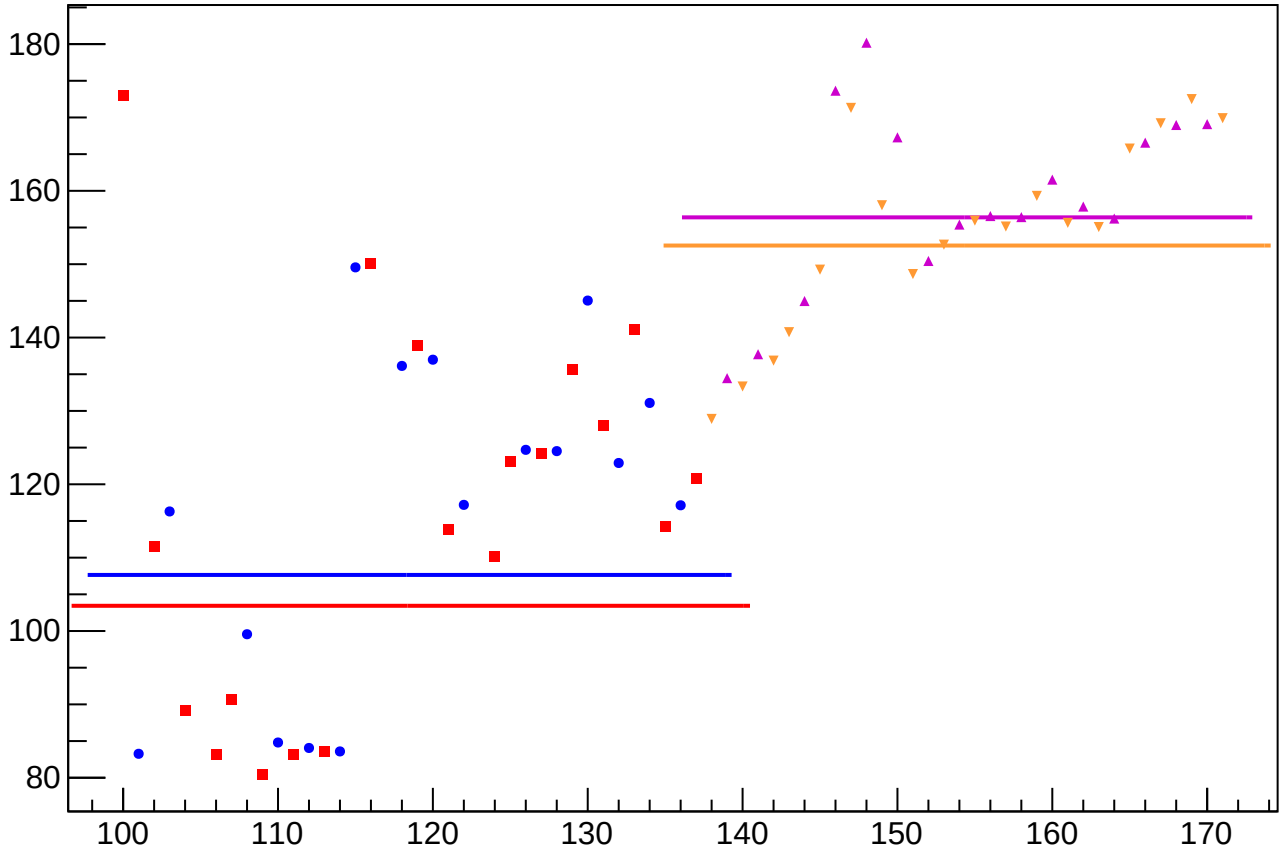
Left In: -344.344+/-43.181 χ^2/NDF:17.5/15

+ sign 112.832+/-28.816 χ^2/NDF: 91.1/33

All: -20.895+/-20.412 χ^2/NDF: 207.6/68

- sign -155.557+/-28.917 χ^2/NDF: 73.2/34

cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

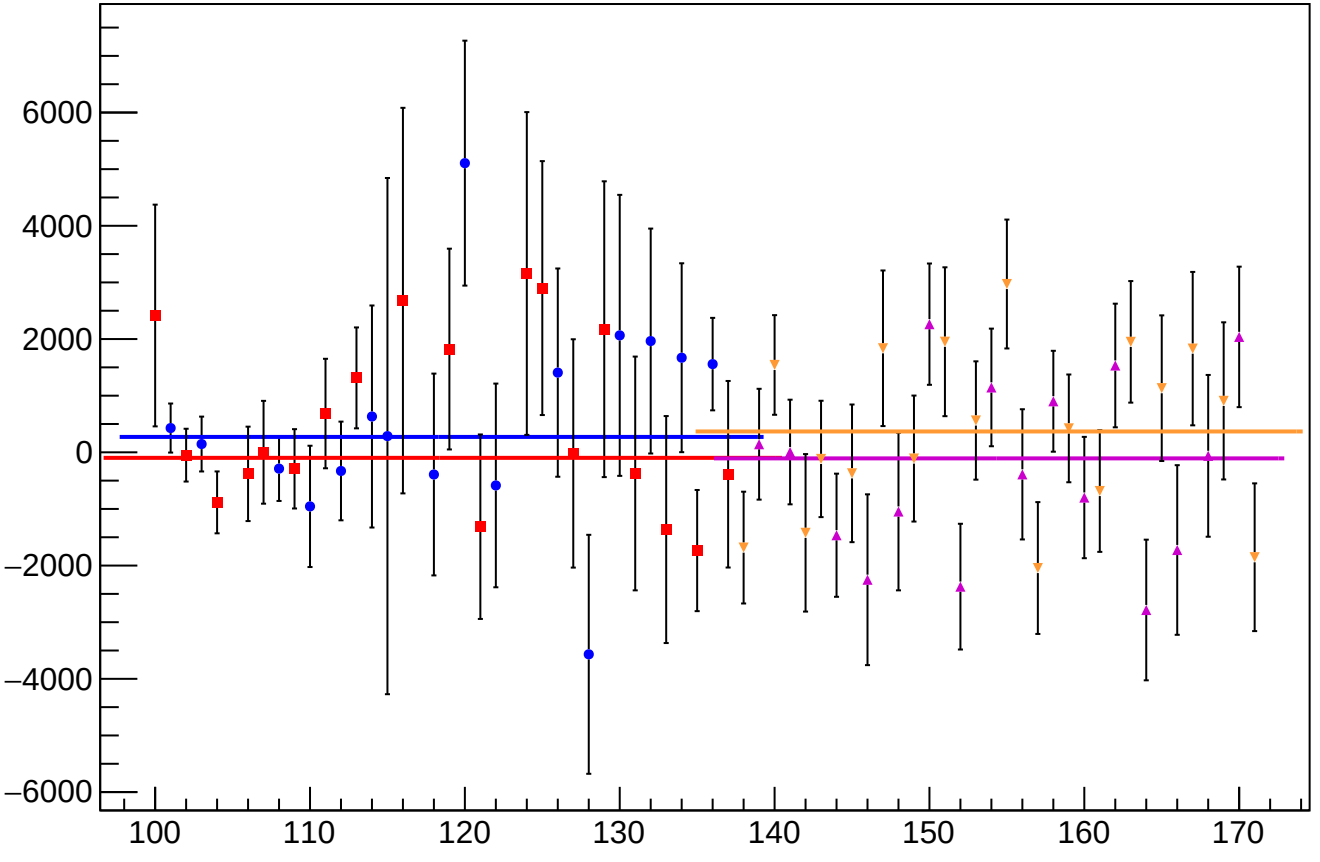
Left In: 156.384+/-0.031 χ^2/NDF:170680.3/15

+ sign 130.296+/-0.020 χ^2/NDF: 1948150.7/33

All: 128.744+/-0.014 χ^2/NDF: 4413630.3/68

- sign 127.181+/-0.020 χ^2/NDF: 2453838.3/34

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 368.097+/-268.228 χ^2/NDF:28.4/17

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

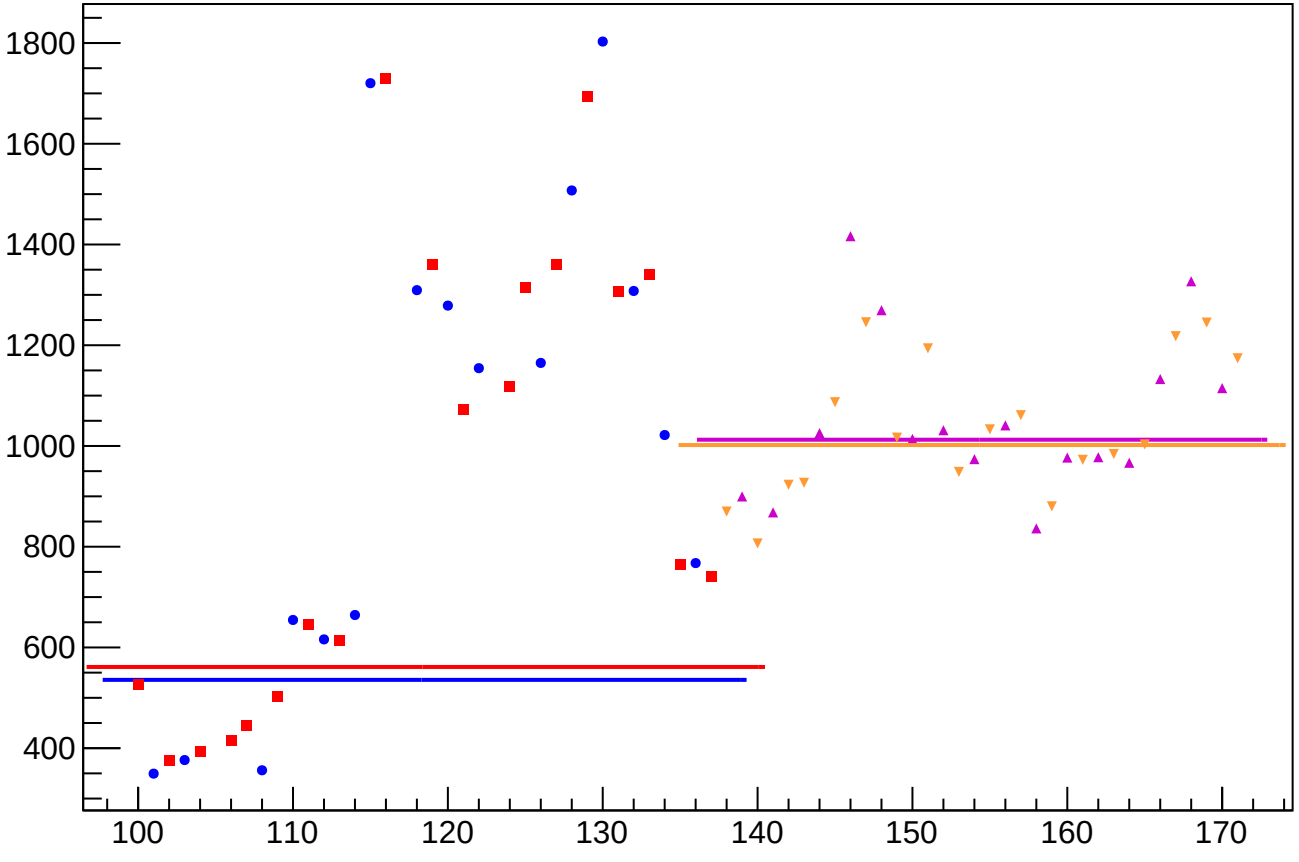
Left In: -107.240+/-281.841 χ^2/NDF:27.4/15

+ sign 312.648+/-174.886 χ^2/NDF: 44.9/33

All: 110.865+/-125.256 χ^2/NDF: 91.3/68

- sign -101.656+/-179.479 χ^2/NDF: 43.6/34

asym_sam6_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1001.843+/-0.190 χ^2/NDF:461122.6/17

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

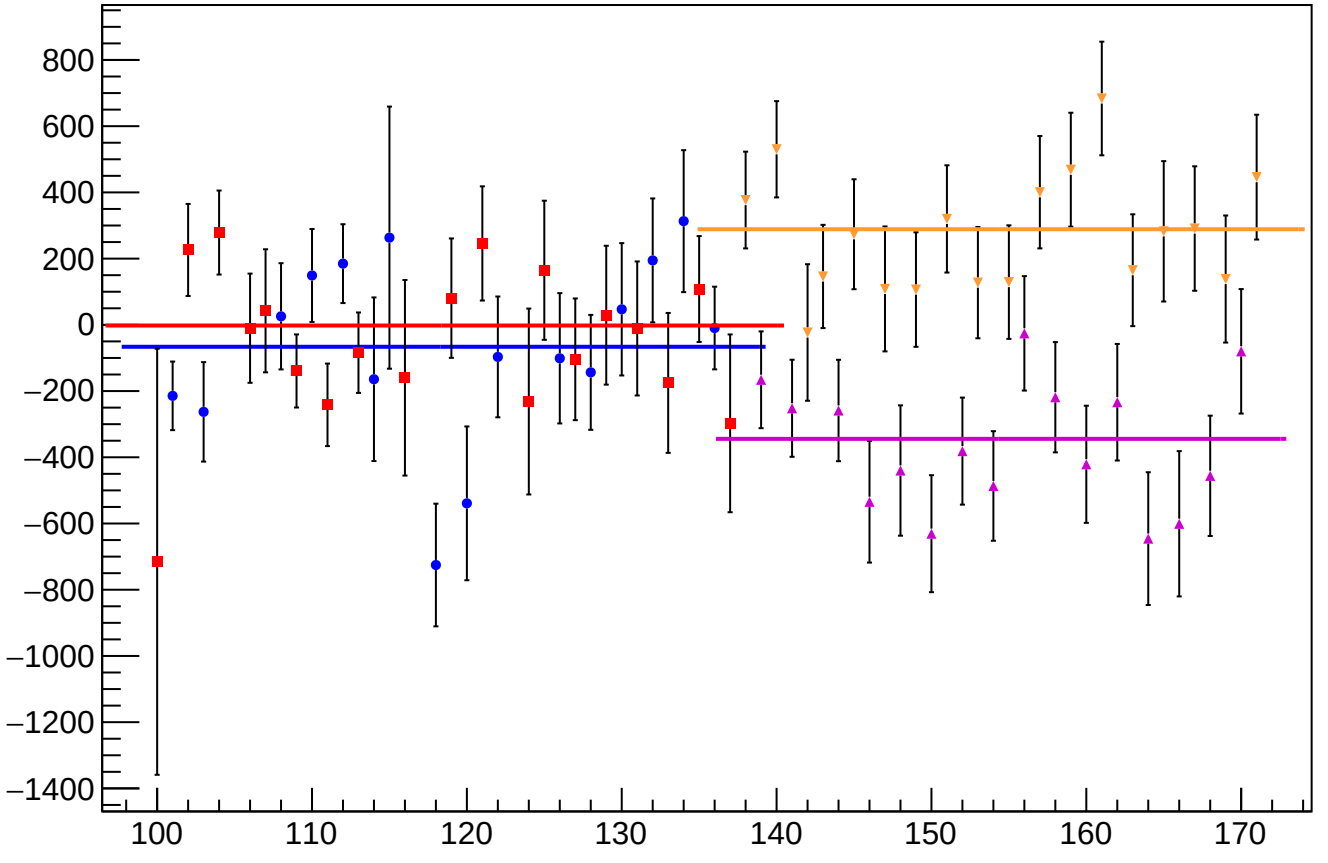
Left In: 1012.442+/-0.199 χ^2/NDF:500479.6/15

+ sign 733.840+/-0.124 χ^2/NDF: 7566787.0/33

All: 738.901+/-0.089 χ^2/NDF: 14248233.8/68

- sign 744.232+/-0.127 χ^2/NDF: 6678007.6/34

eigen_cor_asym_sam6_mean vs Slug



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.728+/-40.571 χ^2/NDF:18.8/17

Right Out: -2.062+/-38.937 χ^2/NDF: 21.1/18

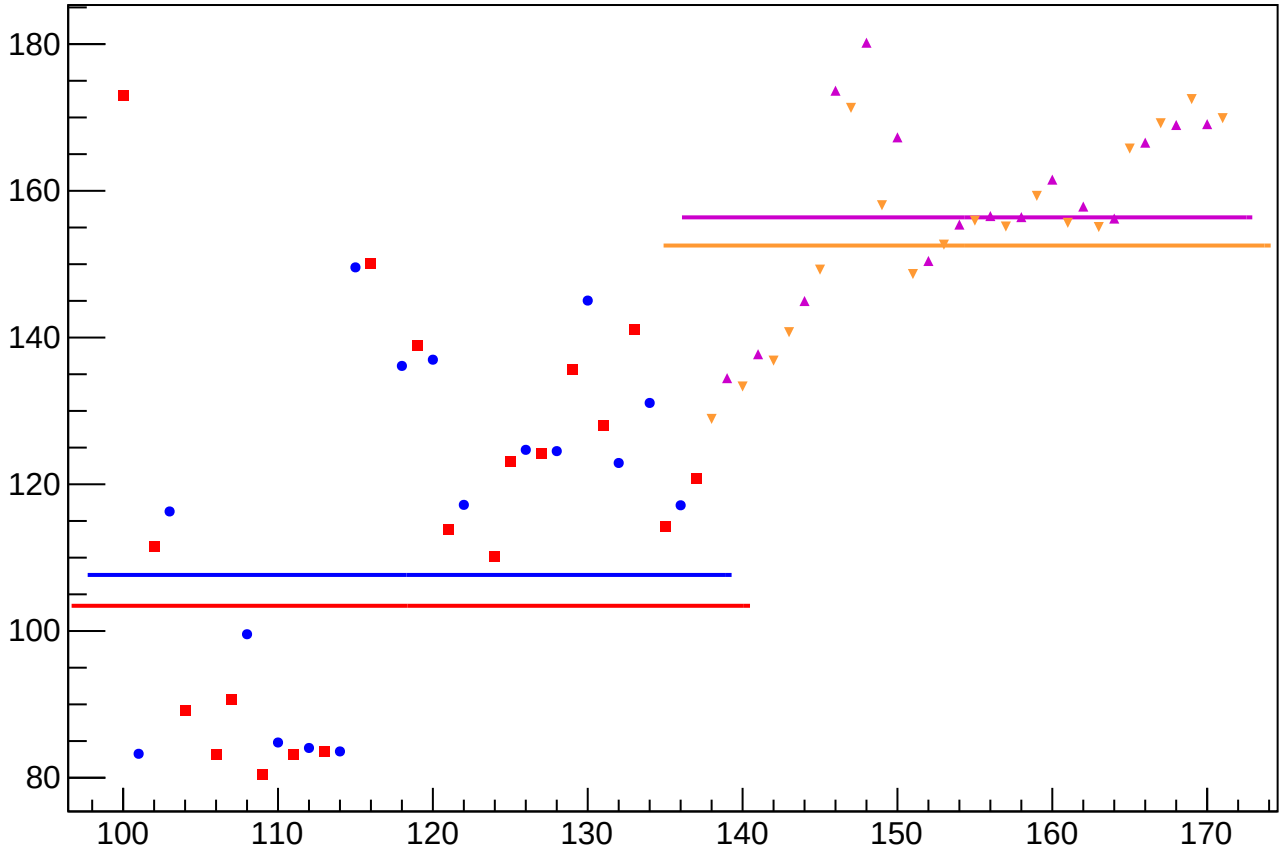
Left In: -344.344+/-43.181 χ^2/NDF:17.5/15

+ sign 112.832+/-28.816 χ^2/NDF: 91.1/33

All: -20.895+/-20.412 χ^2/NDF: 207.6/68

- sign -155.557+/-28.917 χ^2/NDF: 73.2/34

eigen_cor_asym_sam6_rms vs Slug



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

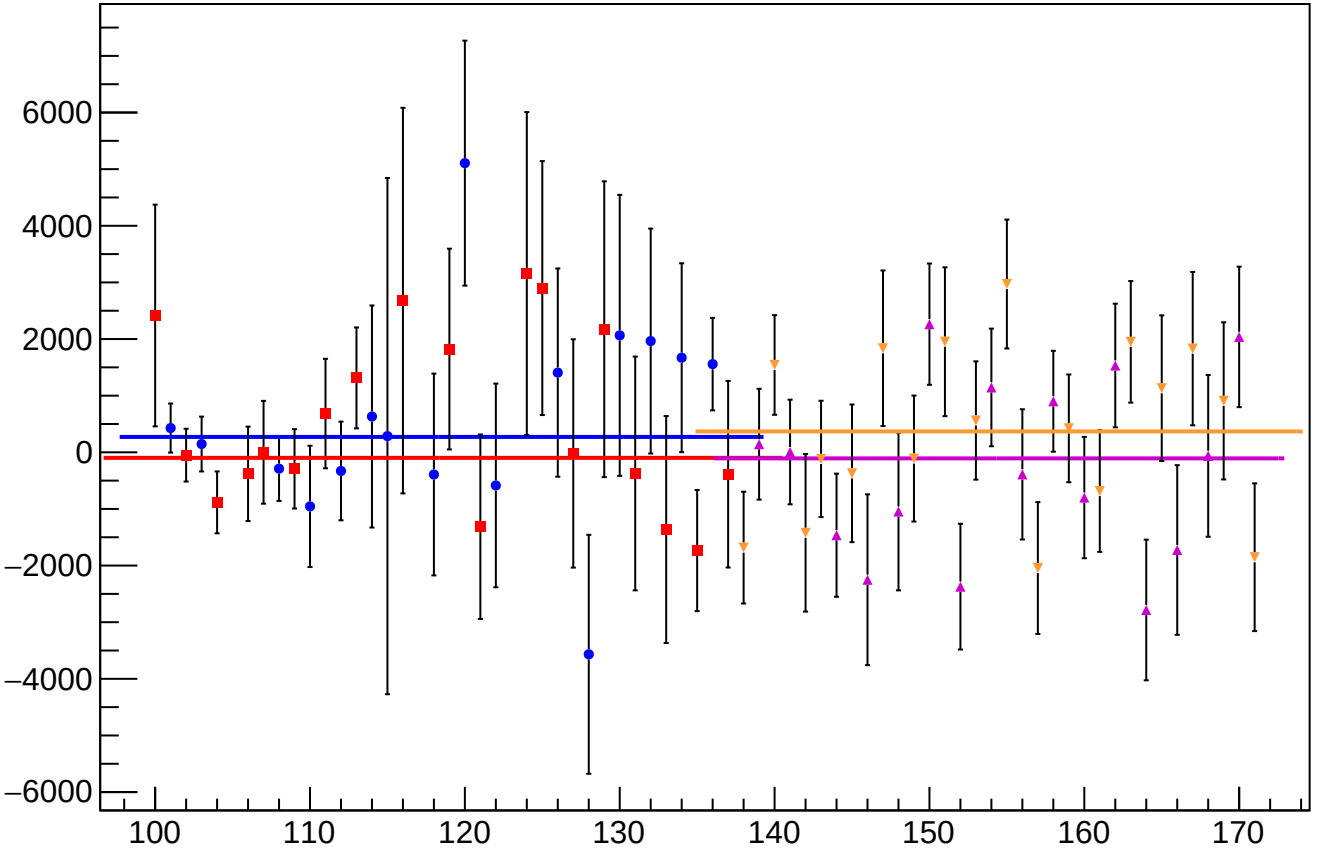
Left In: 156.384+/-0.031 χ^2/NDF:170680.3/15

+ sign 130.296+/-0.020 χ^2/NDF: 1948150.7/33

All: 128.744+/-0.014 χ^2/NDF: 4413630.3/68

- sign 127.181+/-0.020 χ^2/NDF: 2453838.3/34

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 368.097+/-268.228 χ^2/NDF:28.4/17

Right Out: -97.847+/-232.781 χ^2/NDF: 16.1/18

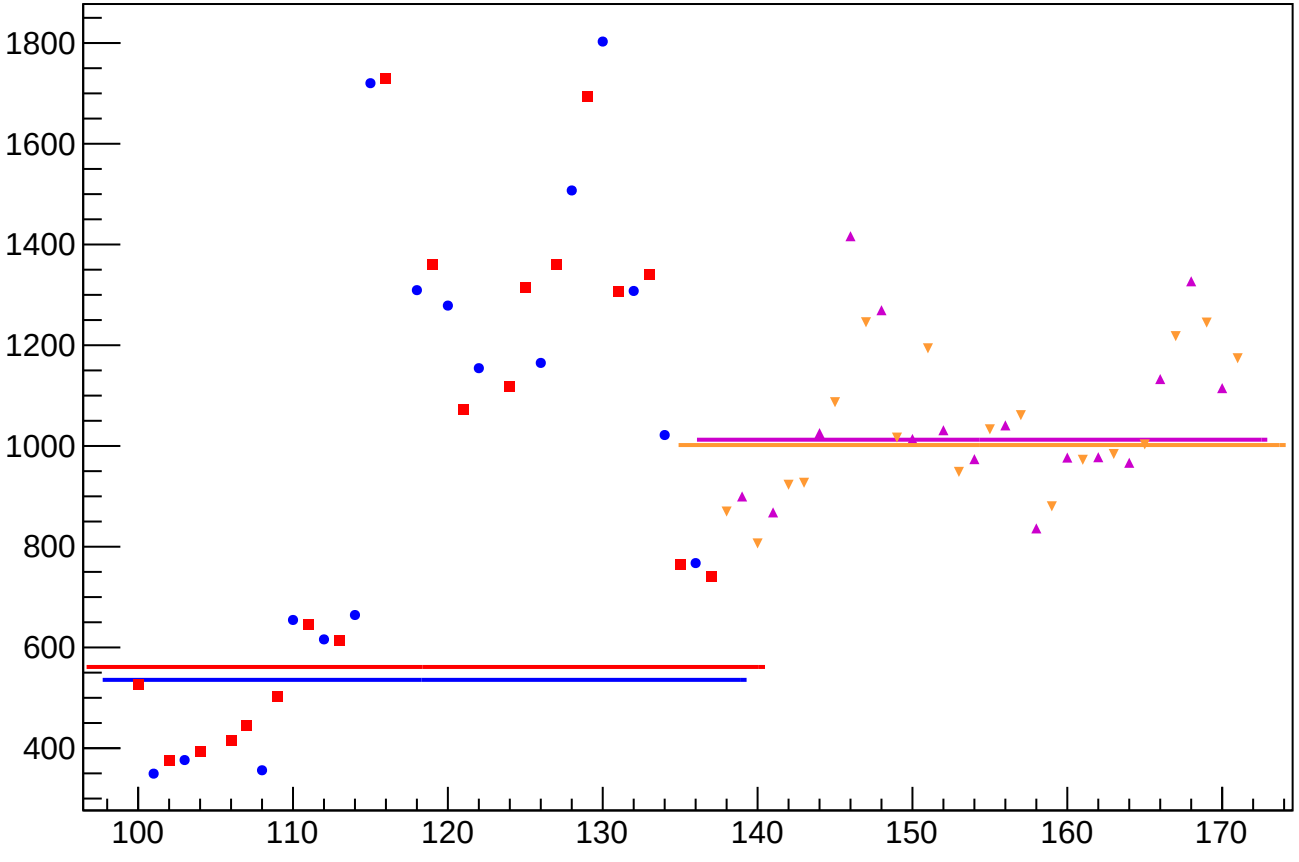
Left In: -107.240+/-281.841 χ^2/NDF:27.4/15

+ sign 312.648+/-174.886 χ^2/NDF: 44.9/33

All: 110.865+/-125.256 χ^2/NDF: 91.3/68

- sign -101.656+/-179.479 χ^2/NDF: 43.6/34

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1001.843+/-0.190 χ^2/NDF:461122.6/17

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

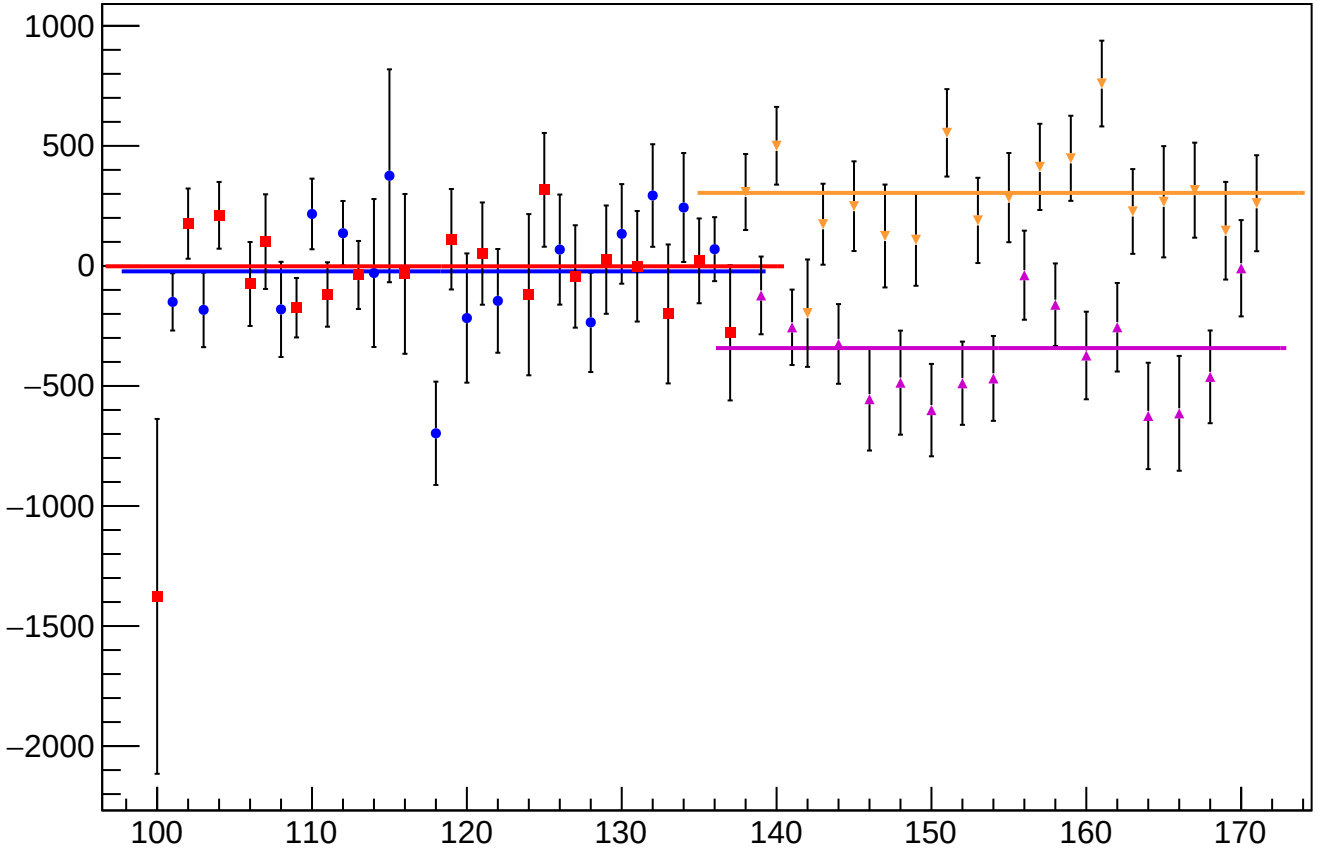
Left In: 1012.442+/-0.199 χ^2/NDF:500479.6/15

+ sign 733.840+/-0.124 χ^2/NDF: 7566787.0/33

All: 738.901+/-0.089 χ^2/NDF: 14248233.8/68

- sign 744.232+/-0.127 χ^2/NDF: 6678007.6/34

dit_asym_sam6_mean vs Slug



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 304.185+/-43.795 χ^2/NDF:19.6/17

Right Out: -1.600+/-43.563 χ^2/NDF: 14.3/18

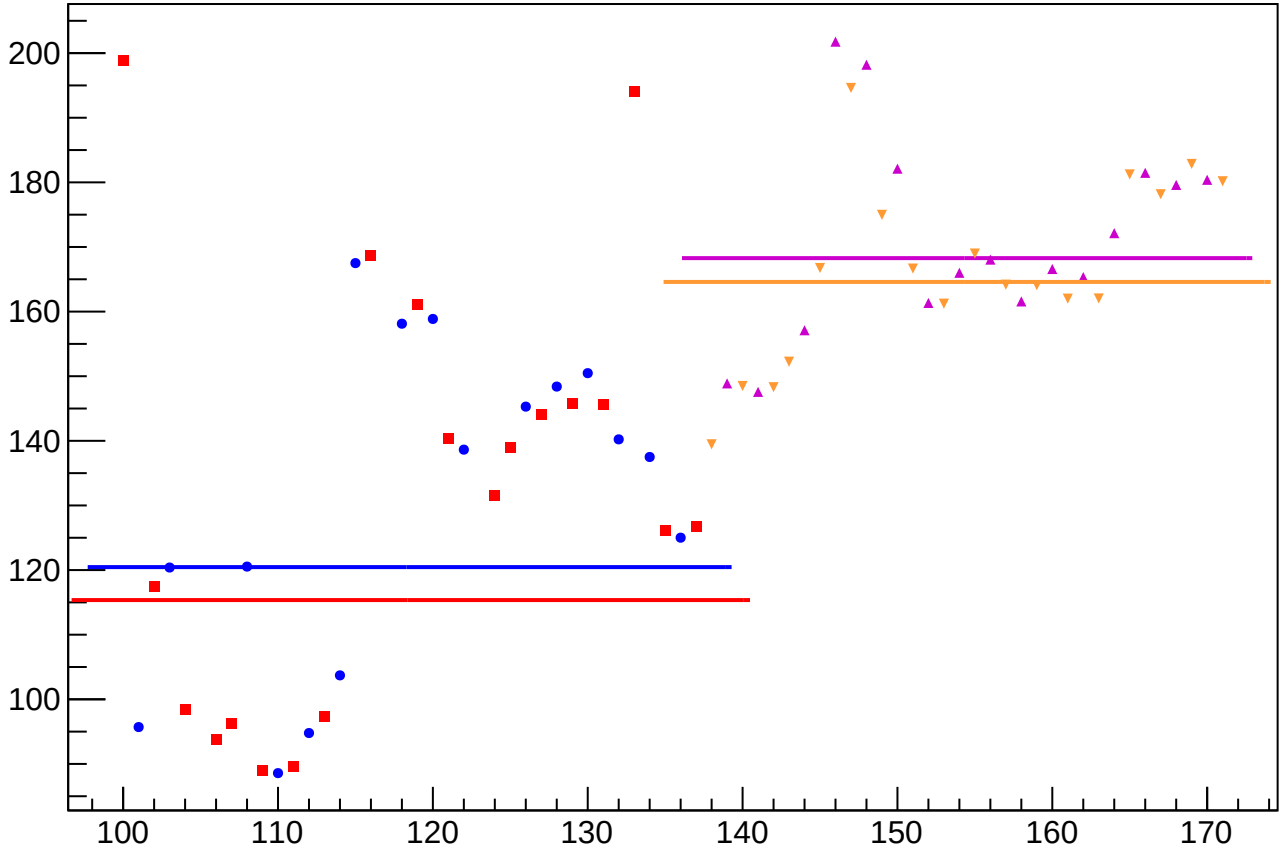
Left In: -342.246+/-46.513 χ^2/NDF:16.7/15

+ sign 148.449+/-31.689 χ^2/NDF: 70.3/33

All: -5.644+/-22.445 χ^2/NDF: 177.4/68

- sign -160.779+/-31.796 χ^2/NDF: 59.6/34

dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 164.590+/-0.031 χ^2/NDF:187886.7/17

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

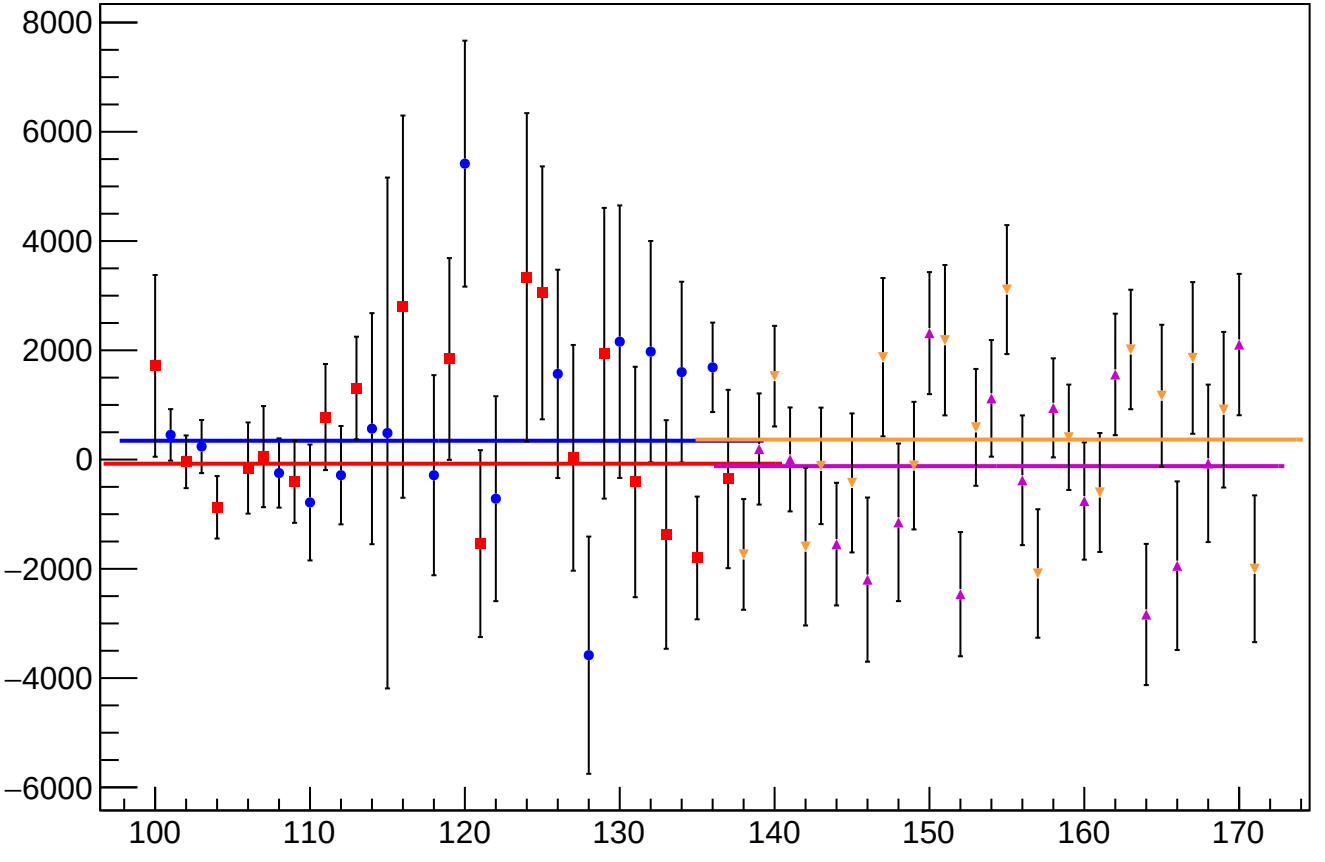
Left In: 168.275+/-0.033 χ^2/NDF:198097.7/15

+ sign 143.563+/-0.022 χ^2/NDF: 1685809.2/33

All: 141.830+/-0.016 χ^2/NDF: 4042206.3/68

- sign 140.085+/-0.022 χ^2/NDF: 2344390.4/34

asym_sam6_dit_correction_mean vs Slug



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 366.394+/-276.326 χ^2/NDF:29.0/17

Right Out: -75.434+/-240.479 χ^2/NDF: 15.3/18

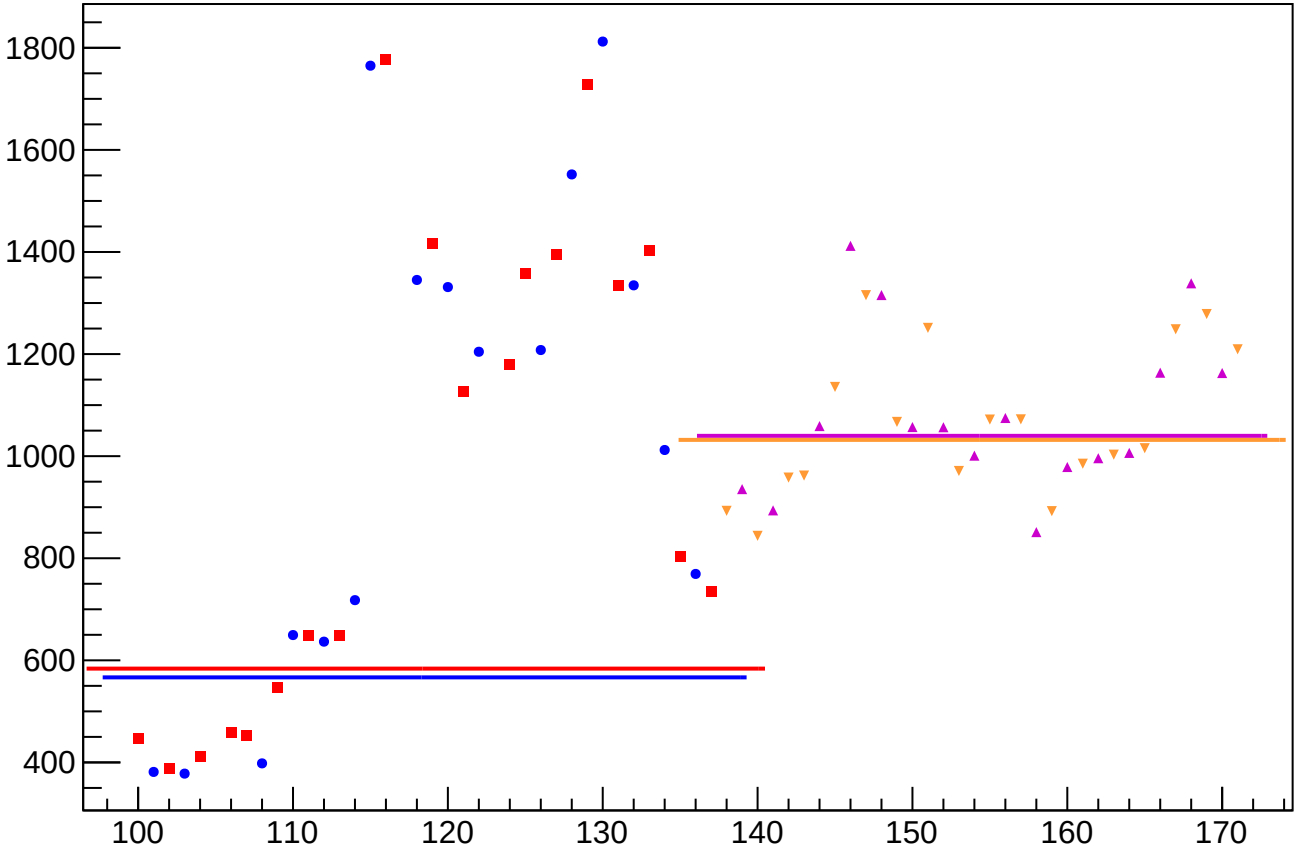
Left In: -120.153+/-289.400 χ^2/NDF:27.3/15

+ sign 353.947+/-181.854 χ^2/NDF: 45.2/33

All: 133.911+/-129.673 χ^2/NDF: 90.8/68

- sign -93.700+/-184.957 χ^2/NDF: 42.6/34

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1031.886+/-0.195 χ^2/NDF:479320.5/17

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

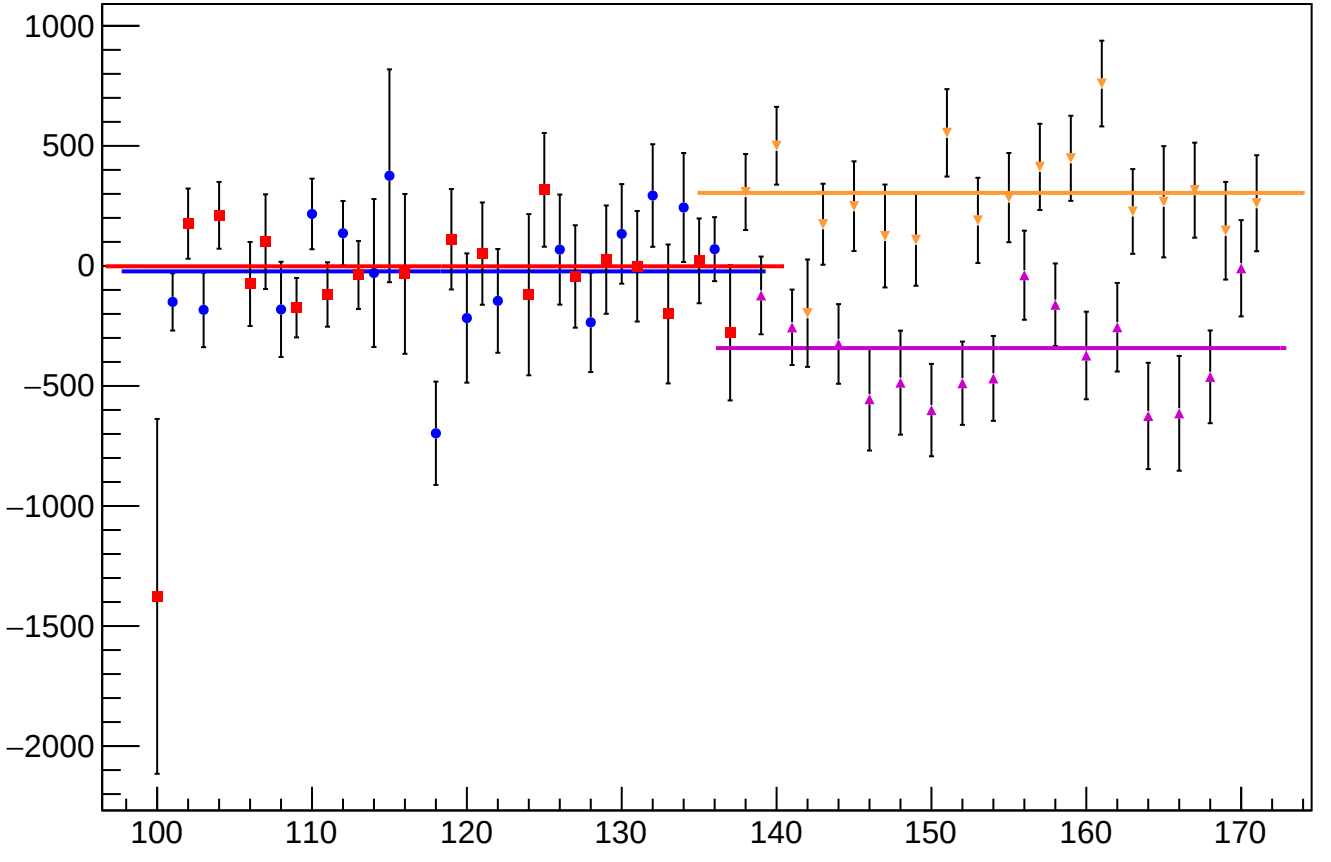
Left In: 1039.790+/-0.205 χ^2/NDF:484237.5/15

+ sign 768.124+/-0.129 χ^2/NDF: 7126284.7/33

All: 769.070+/-0.092 χ^2/NDF: 13655411.1/68

- sign 770.049+/-0.131 χ^2/NDF: 6529016.3/34

eigen_dit_asym_sam6_mean vs Slug



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 304.186+/-43.795 χ^2/NDF:19.6/17

Right Out: -1.601+/-43.563 χ^2/NDF: 14.3/18

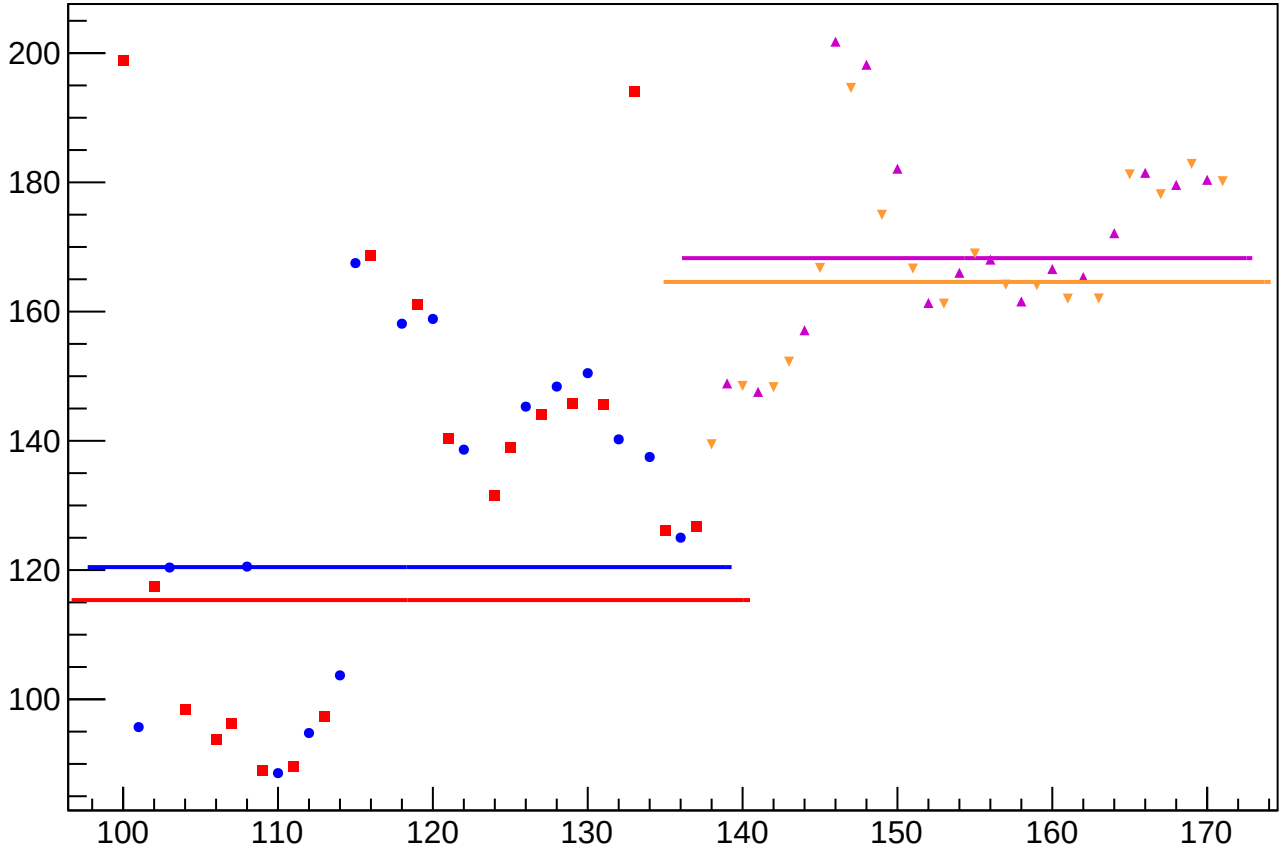
Left In: -342.247+/-46.513 χ^2/NDF:16.7/15

+ sign 148.448+/-31.689 χ^2/NDF: 70.3/33

All: -5.645+/-22.445 χ^2/NDF: 177.4/68

- sign -160.780+/-31.795 χ^2/NDF: 59.6/34

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 164.589+/-0.031 χ^2/NDF:187885.7/17

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

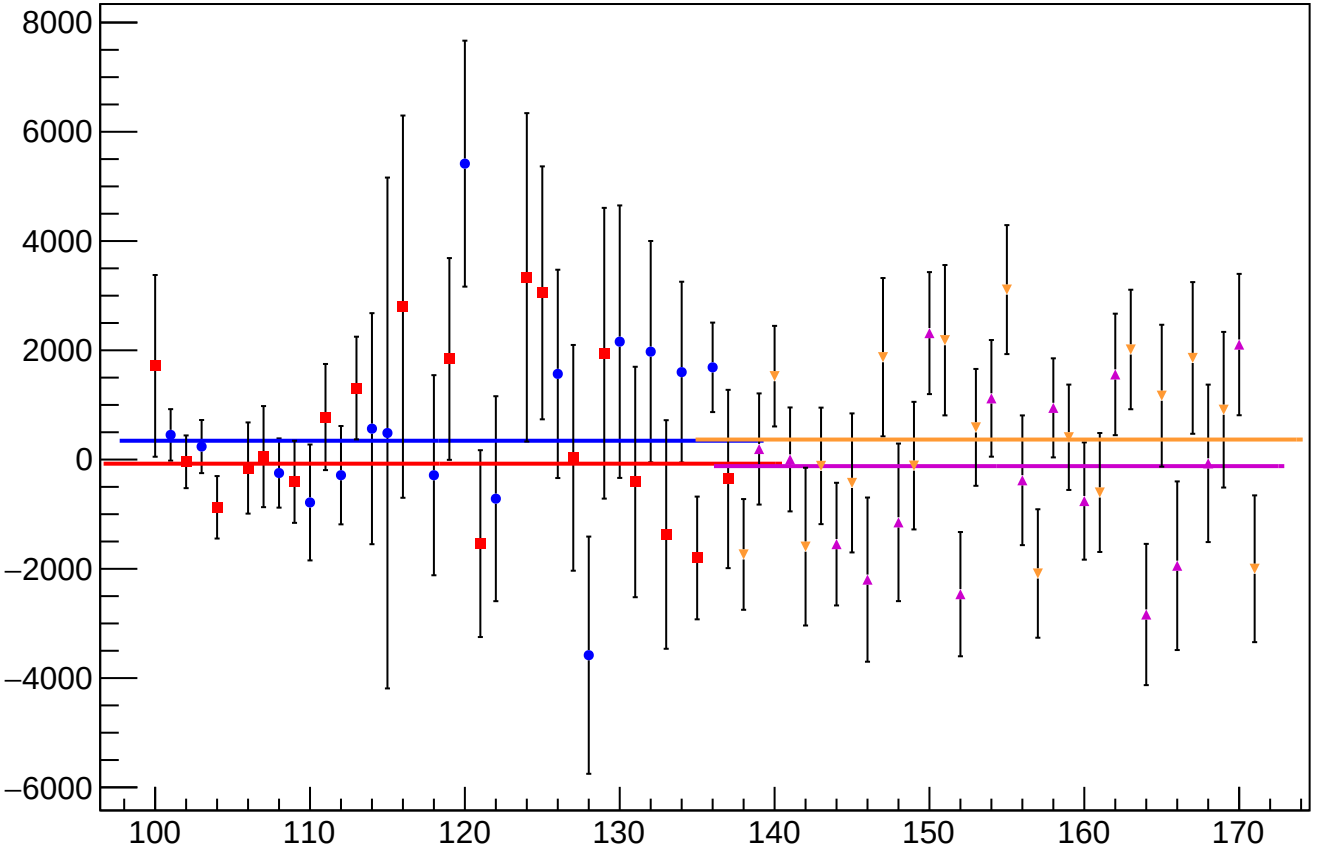
Left In: 168.275+/-0.033 χ^2/NDF:198097.1/15

+ sign 143.563+/-0.022 χ^2/NDF: 1685816.9/33

All: 141.829+/-0.016 χ^2/NDF: 4042215.5/68

- sign 140.084+/-0.022 χ^2/NDF: 2344392.1/34

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 366.395+/-276.326 χ^2/NDF:29.0/17

Right Out: -75.435+/-240.479 χ^2/NDF: 15.3/18

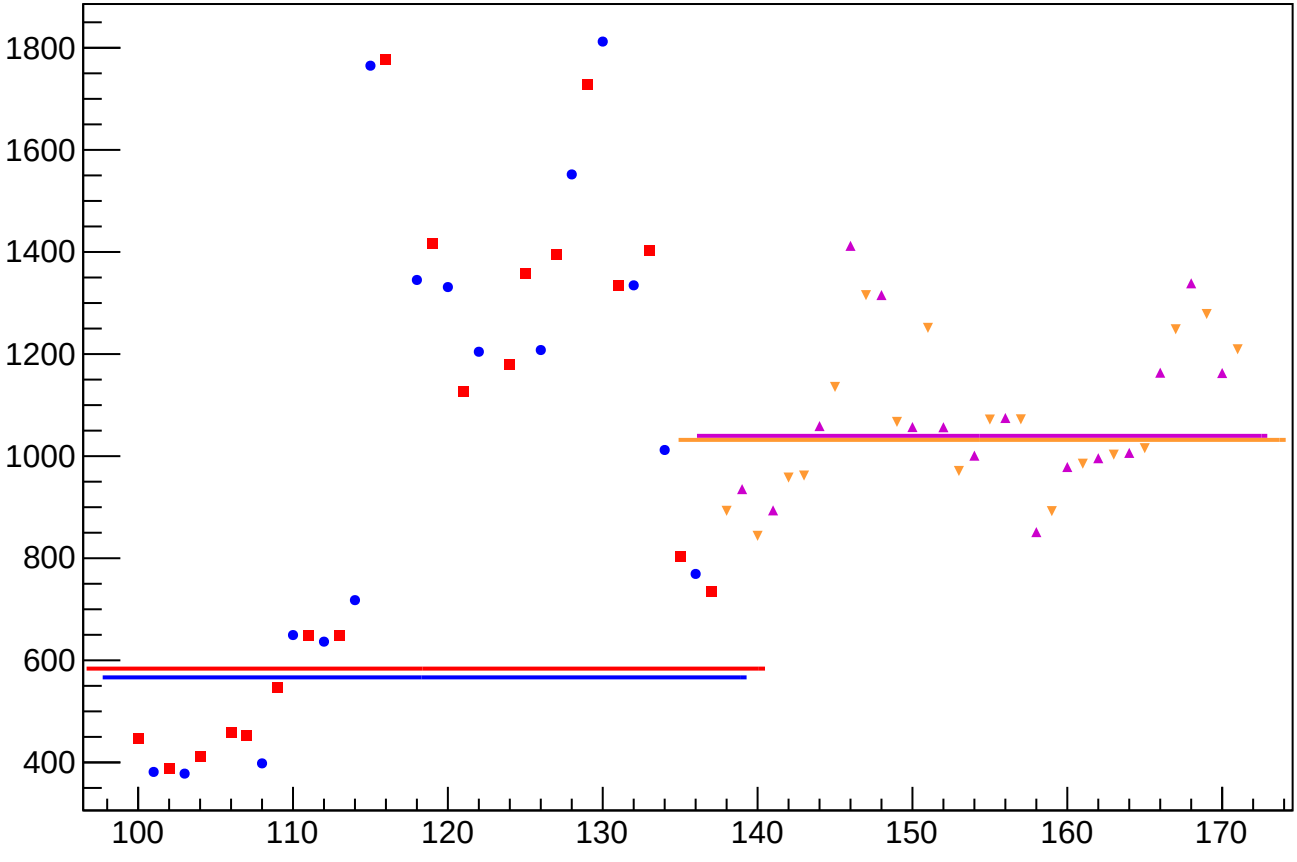
Left In: -120.153+/-289.400 χ^2/NDF:27.3/15

+ sign 353.947+/-181.854 χ^2/NDF: 45.2/33

All: 133.910+/-129.673 χ^2/NDF: 90.8/68

- sign -93.701+/-184.957 χ^2/NDF: 42.6/34

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1031.886+/-0.195 χ^2/NDF:479323.2/17

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

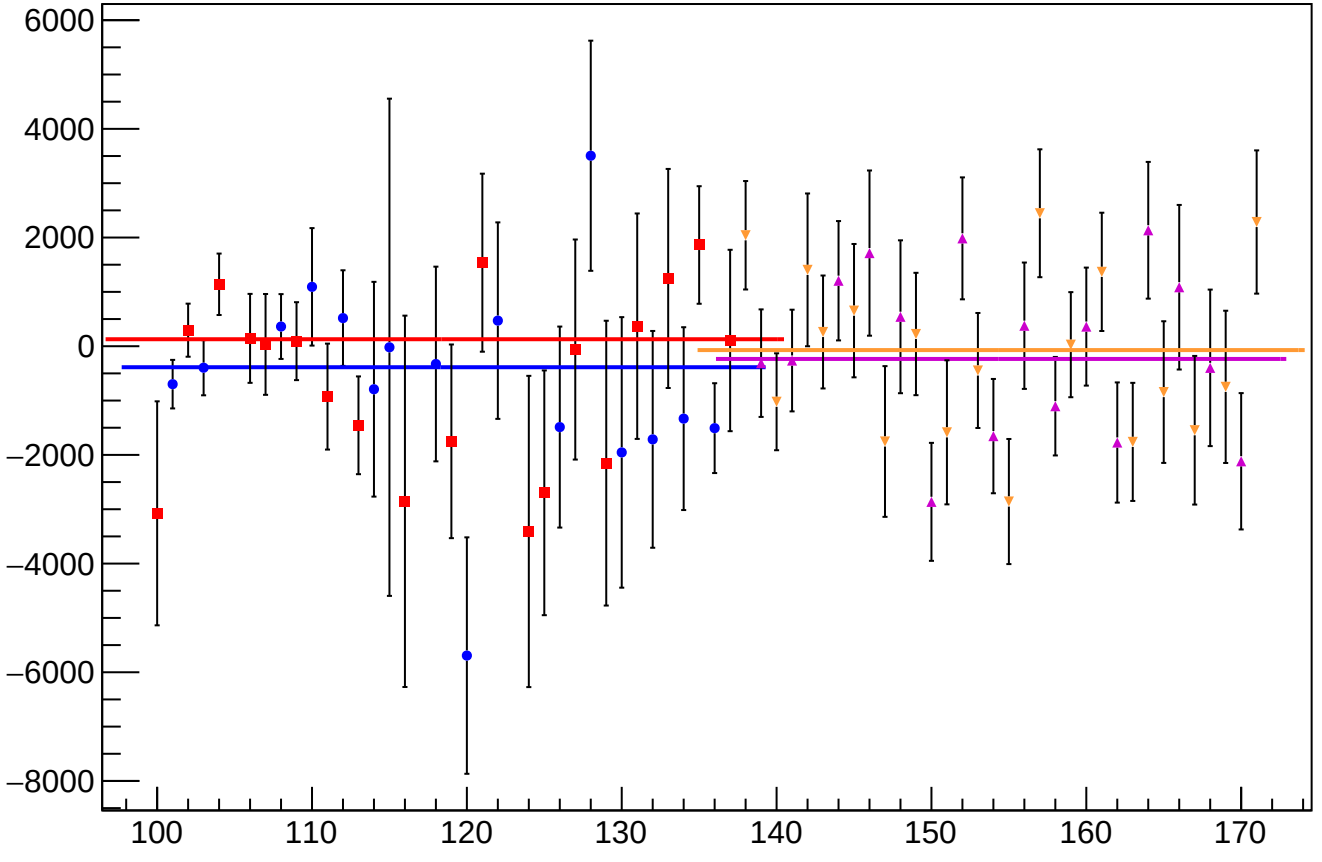
Left In: 1039.790+/-0.205 χ^2/NDF:484240.5/15

+ sign 768.123+/-0.129 χ^2/NDF: 7126304.7/33

All: 769.069+/-0.092 χ^2/NDF: 13655440.0/68

- sign 770.048+/-0.131 χ^2/NDF: 6529025.1/34

asym_sam6_mean vs Slug



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -71.129+/-271.414 χ^2/NDF:29.7/17

Right Out: 128.583+/-238.241 χ^2/NDF: 19.4/18

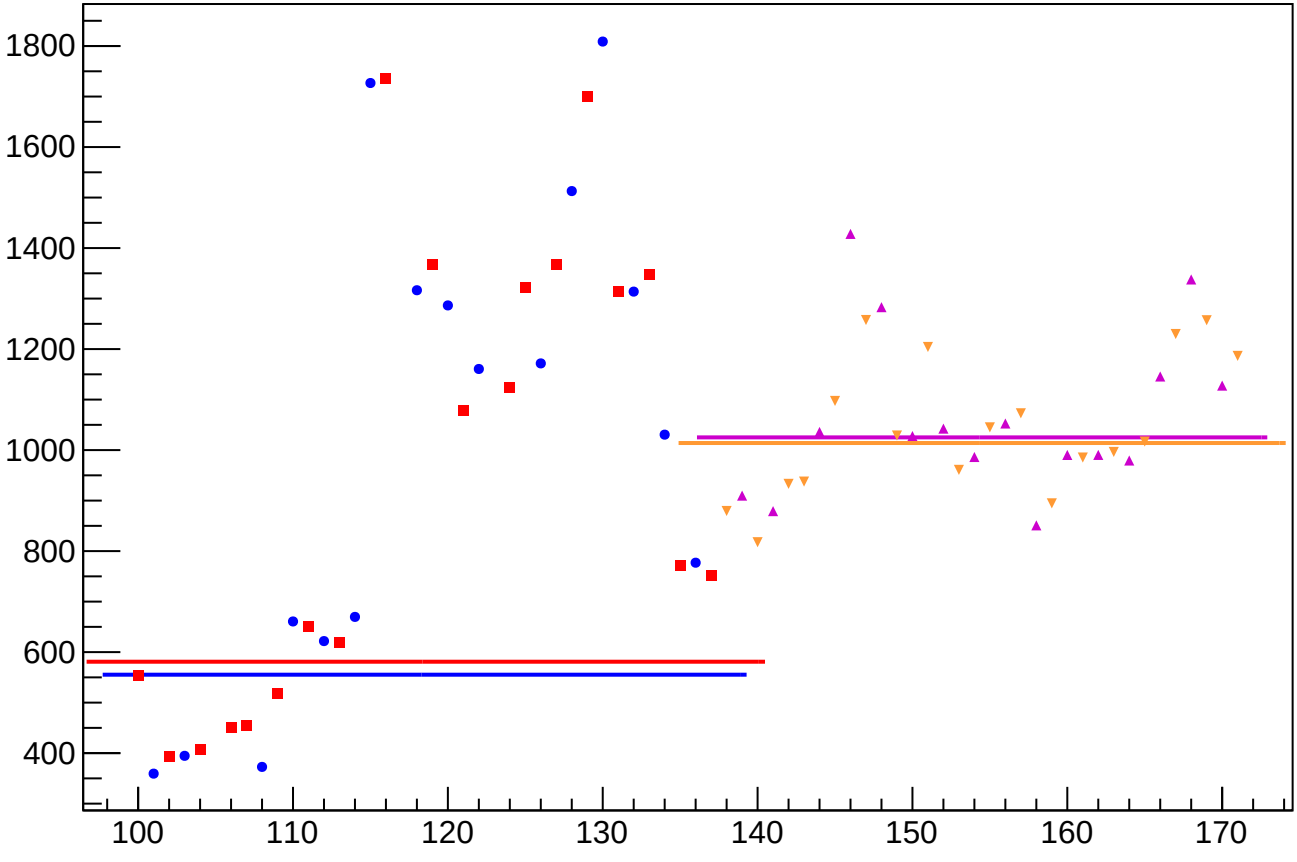
Left In: -234.187+/-285.297 χ^2/NDF:25.3/15

+ sign -249.734+/-178.743 χ^2/NDF: 48.4/33

All: -137.709+/-127.823 χ^2/NDF: 94.8/68

- sign -20.457+/-182.866 χ^2/NDF: 45.6/34

asym_sam6_rms vs Slug



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1014.001+/-0.192 χ^2/NDF:451484.2/17

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

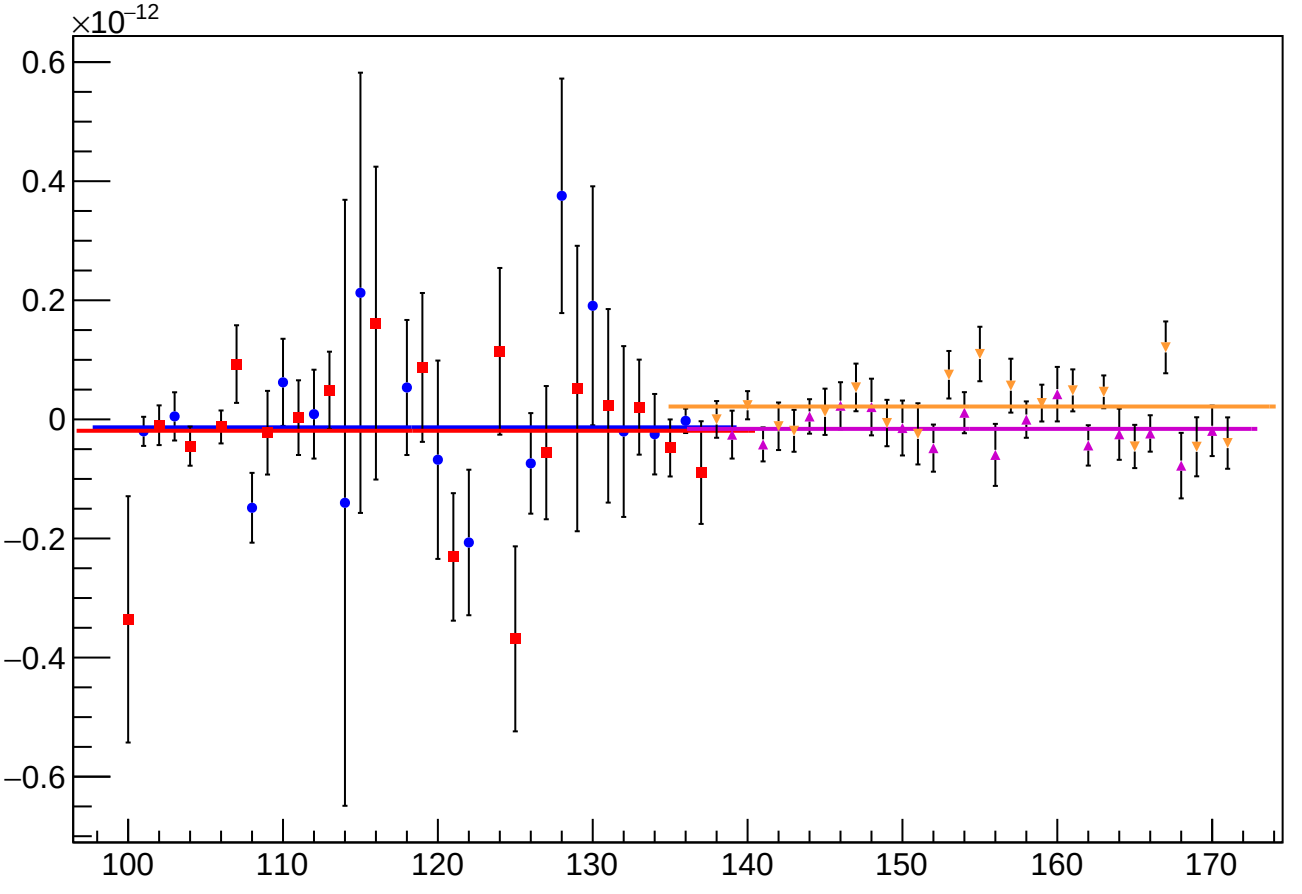
Left In: 1025.167+/-0.202 χ^2/NDF:488937.7/15

+ sign 754.237+/-0.126 χ^2/NDF: 7169082.5/33

All: 758.753+/-0.090 χ^2/NDF: 13500272.1/68

- sign 763.479+/-0.129 χ^2/NDF: 6328577.3/34

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:24.6/17

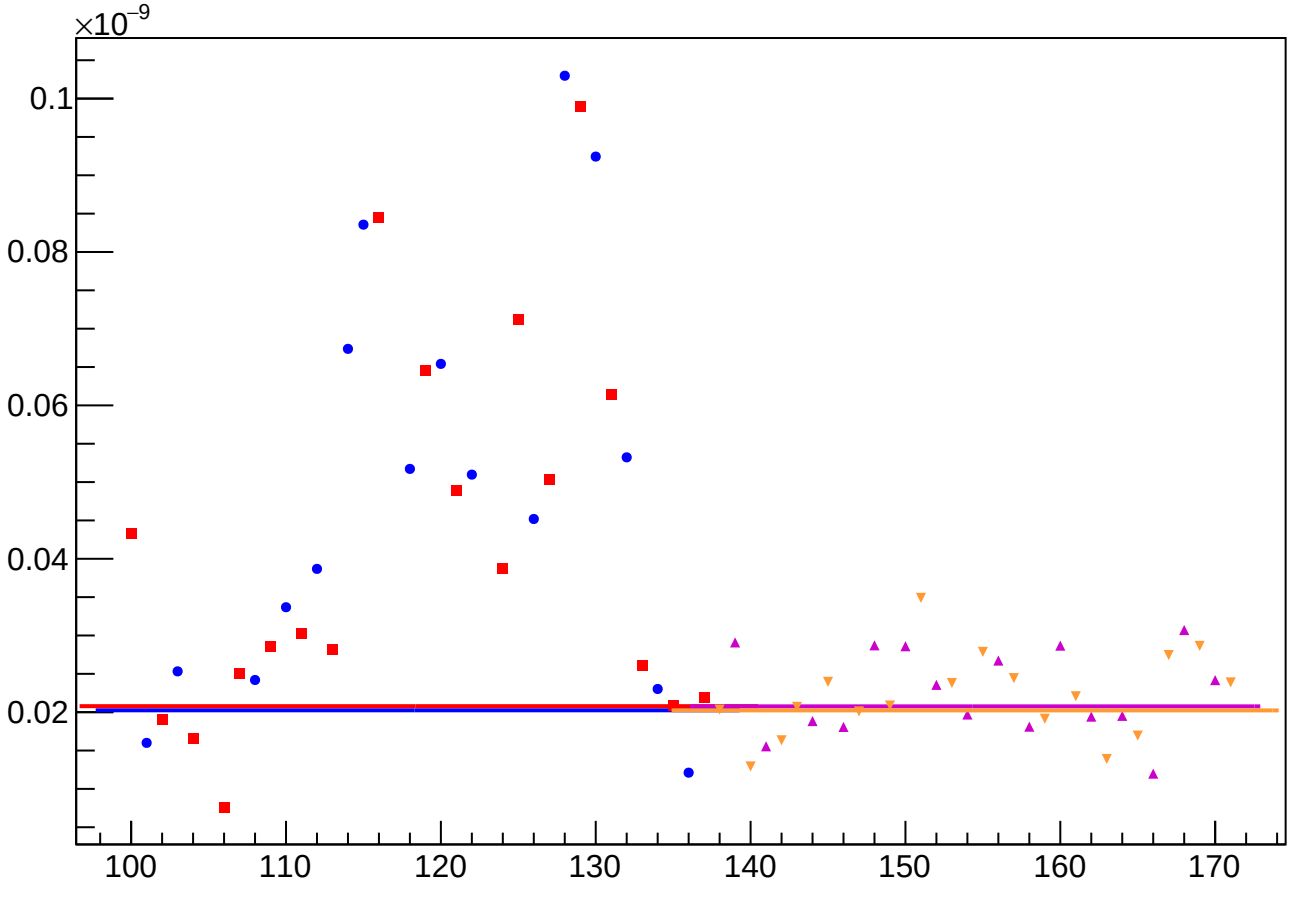
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/33

All: -0.000+/-0.000 χ^2/NDF: 81.3/68

- sign -0.000+/-0.000 χ^2/NDF: 28.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:737367.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

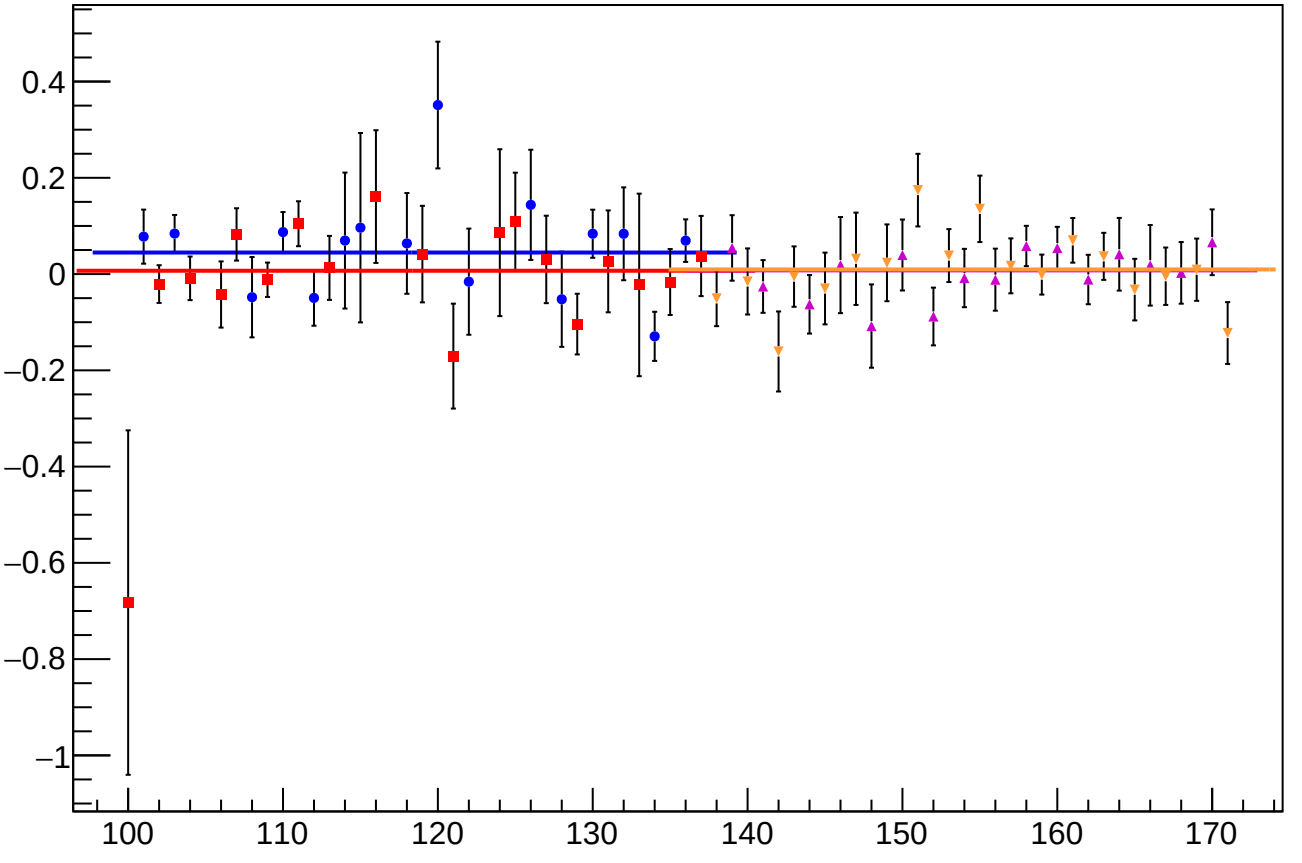
Left In: 0.000+/-0.000 χ^2/NDF:645042.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 2742046.8/33

All: 0.000+/-0.000 χ^2/NDF: 5248030.9/68

- sign 0.000+/-0.000 χ^2/NDF: 2500933.1/34

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

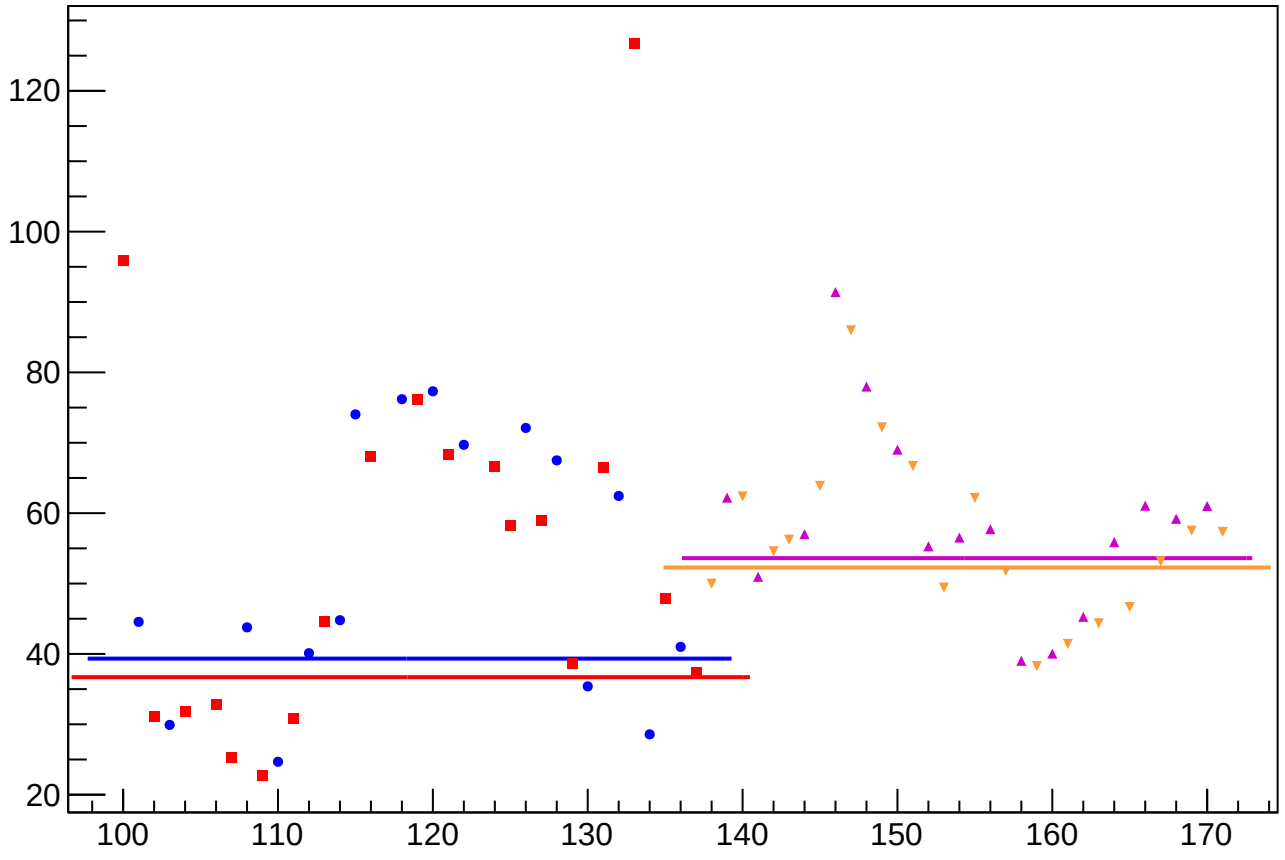
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.015 χ^2/NDF:10.5/15

+ sign 0.025+/-0.011 χ^2/NDF: 50.3/33

All: 0.016+/-0.008 χ^2/NDF: 82.4/68

- sign 0.007+/-0.011 χ^2/NDF: 30.7/34



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.283+/-0.010 χ^2/NDF:1026771.5/17

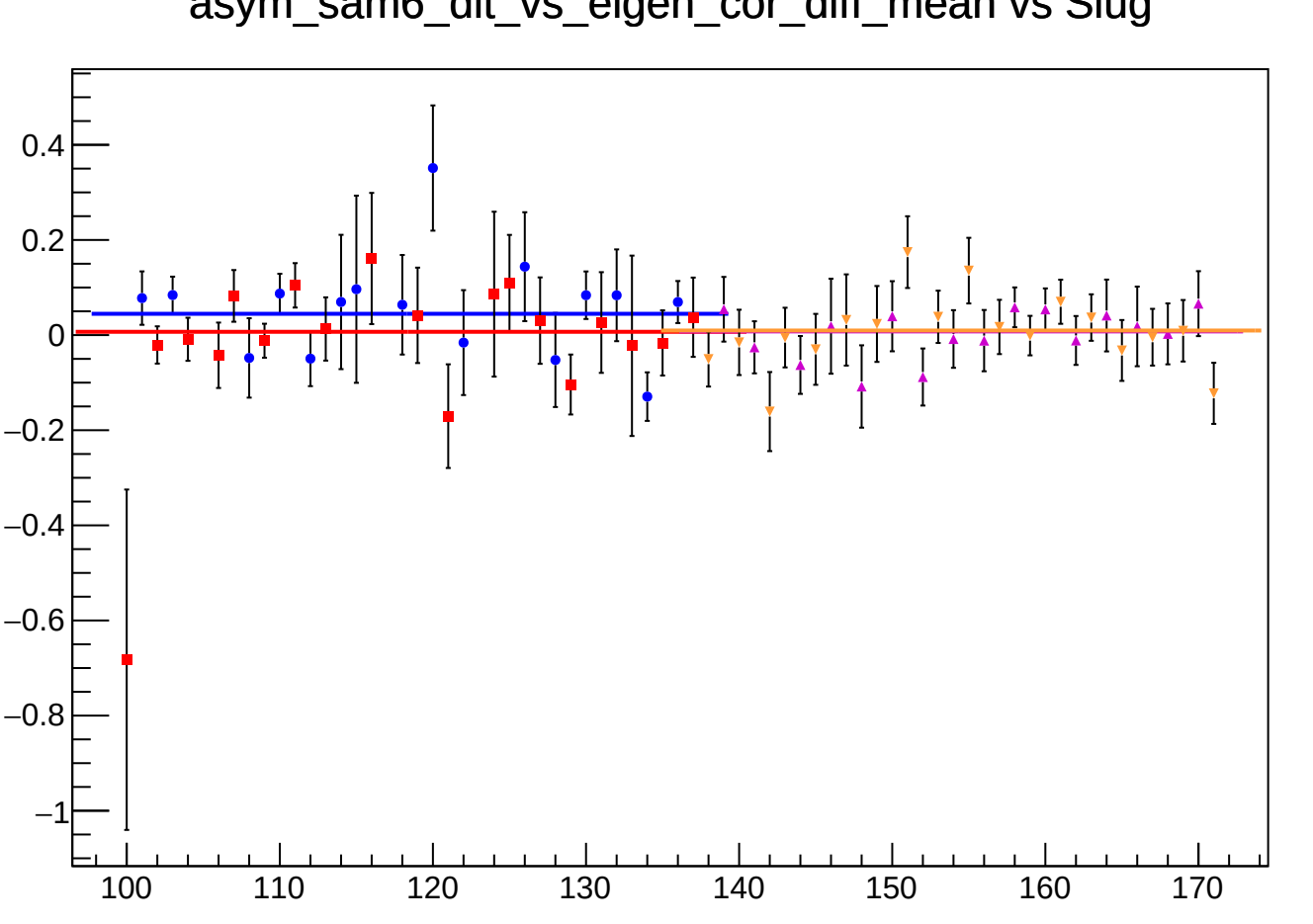
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.610+/-0.011 χ^2/NDF:1131317.9/15

+ sign 46.516+/-0.008 χ^2/NDF: 3317802.7/33

All: 45.786+/-0.005 χ^2/NDF: 7801046.8/68

- sign 45.047+/-0.008 χ^2/NDF: 4464479.0/34



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

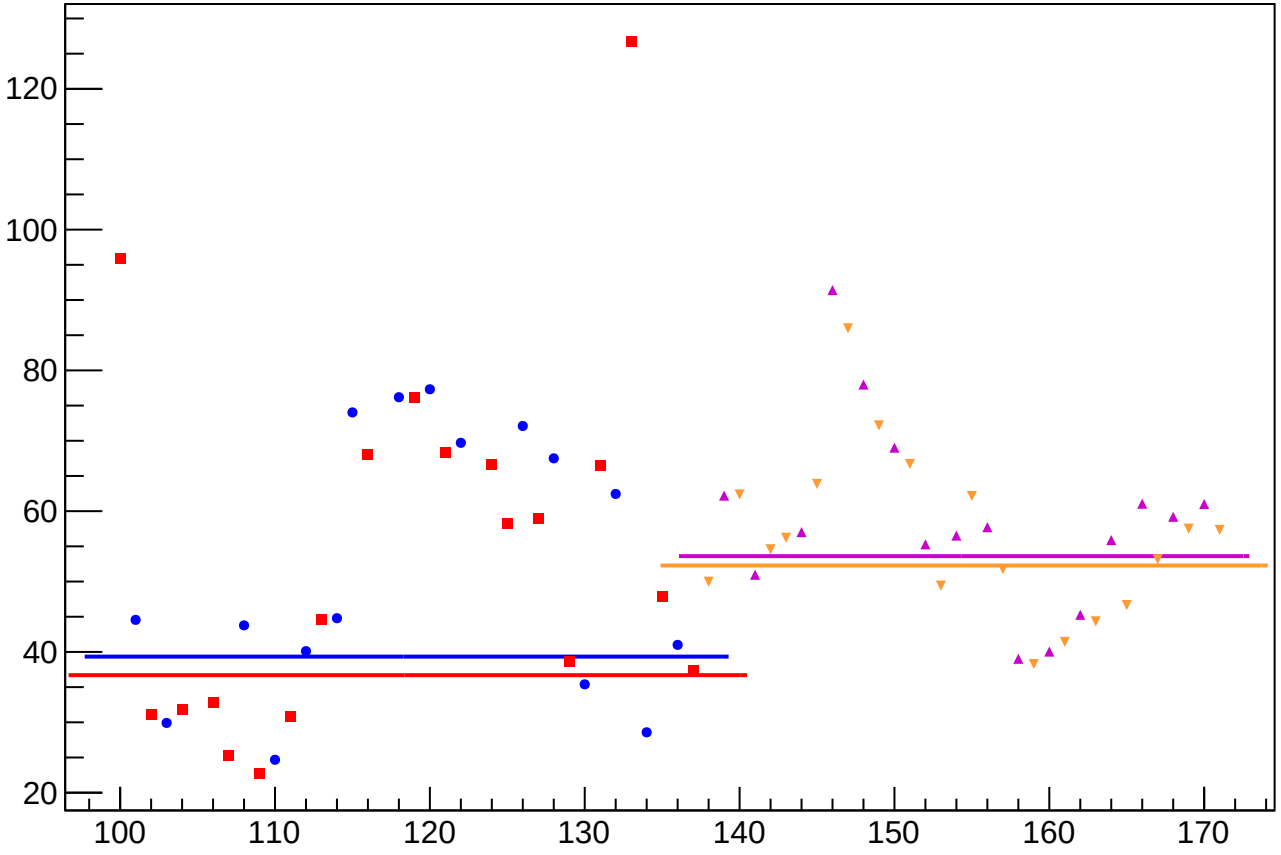
Left In: 0.008+/-0.015 χ^2/NDF:10.5/15

+ sign 0.025+/-0.011 χ^2/NDF: 50.3/33

All: 0.016+/-0.008 χ^2/NDF: 82.4/68

- sign 0.007+/-0.011 χ^2/NDF: 30.7/34

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.283+/-0.010 χ^2/NDF:1026771.5/17

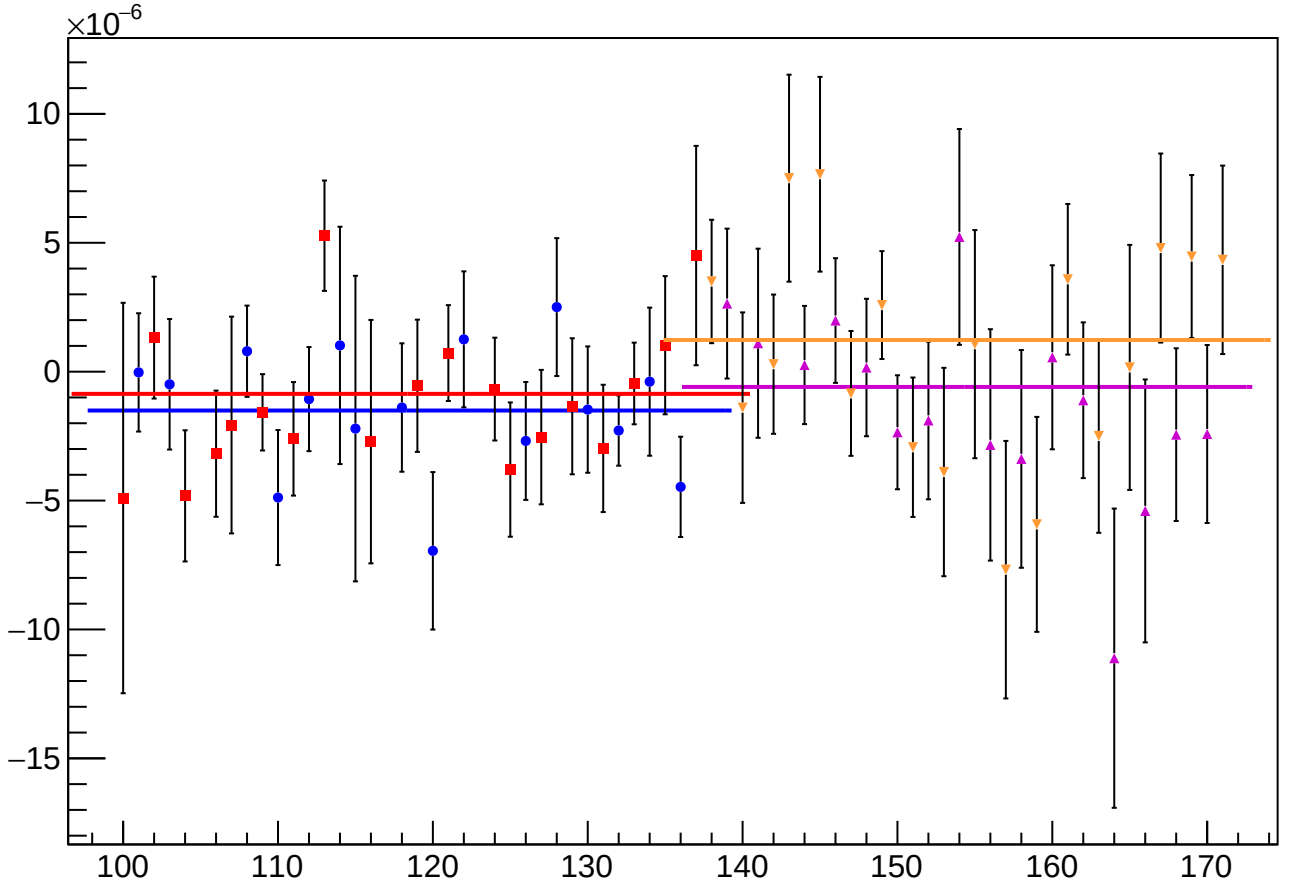
Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 53.610+/-0.011 χ^2/NDF:1131317.9/15

+ sign 46.516+/-0.008 χ^2/NDF: 3317802.7/33

All: 45.786+/-0.005 χ^2/NDF: 7801046.8/68

- sign 45.047+/-0.008 χ^2/NDF: 4464479.0/34



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/18

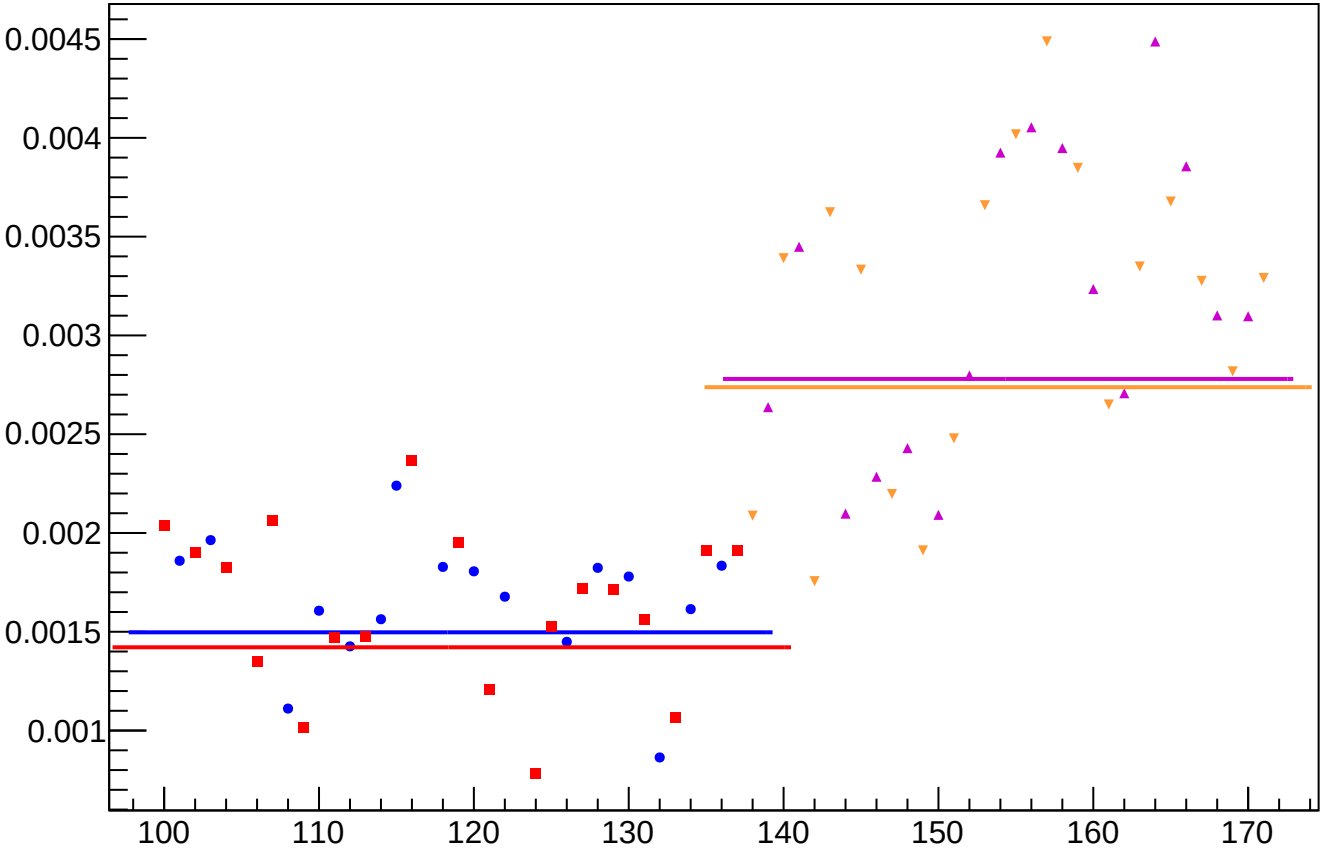
Left In: -0.000+/-0.000 χ^2/NDF:11.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 44.6/33

All: -0.000+/-0.000 χ^2/NDF: 75.1/68

- sign -0.000+/-0.000 χ^2/NDF: 30.3/34

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:1932622.6/17

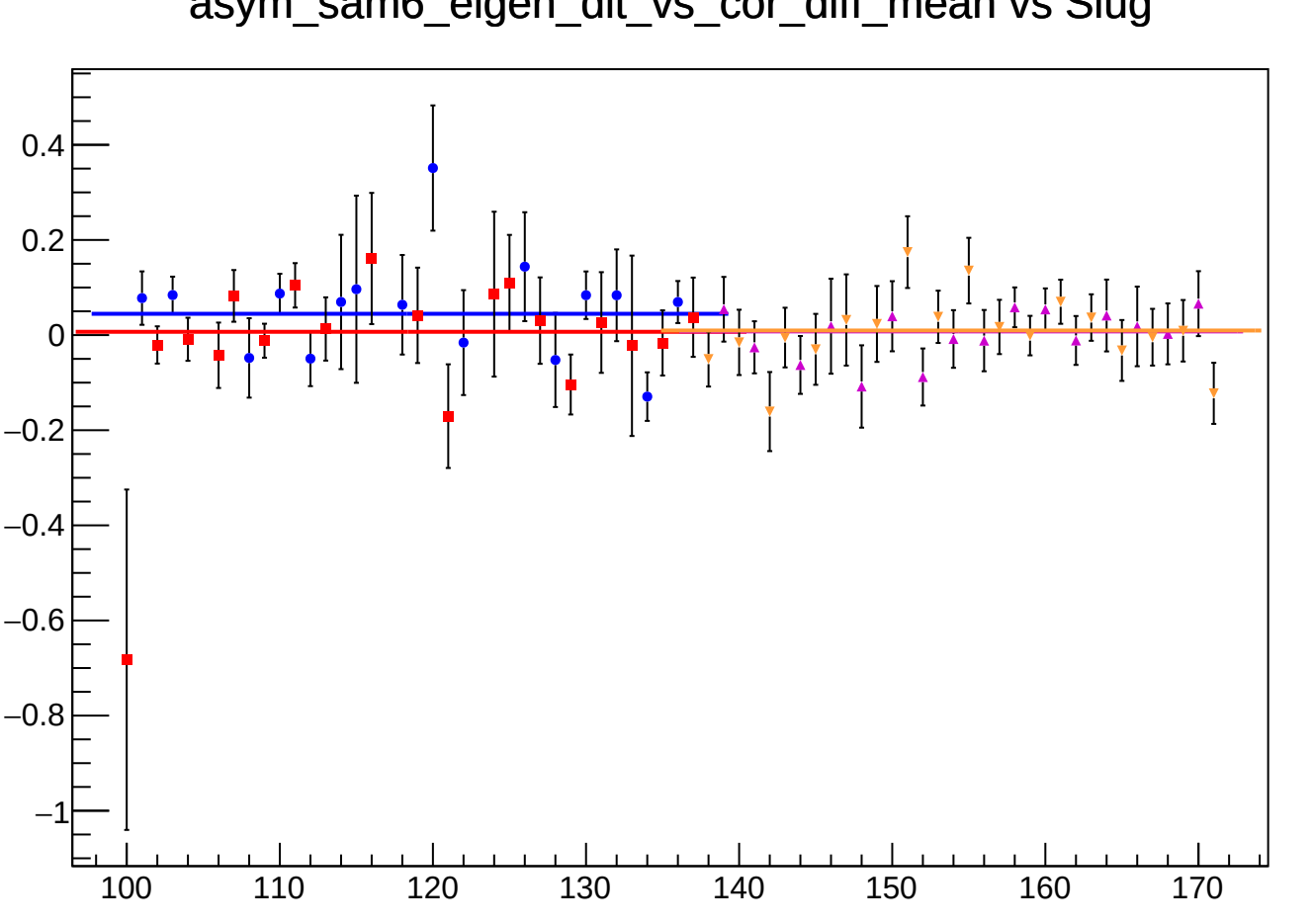
Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1355352.1/15

+ sign 0.002+/-0.000 χ^2/NDF: 6180008.2/33

All: 0.002+/-0.000 χ^2/NDF: 12587527.9/68

- sign 0.002+/-0.000 χ^2/NDF: 6359031.6/34



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

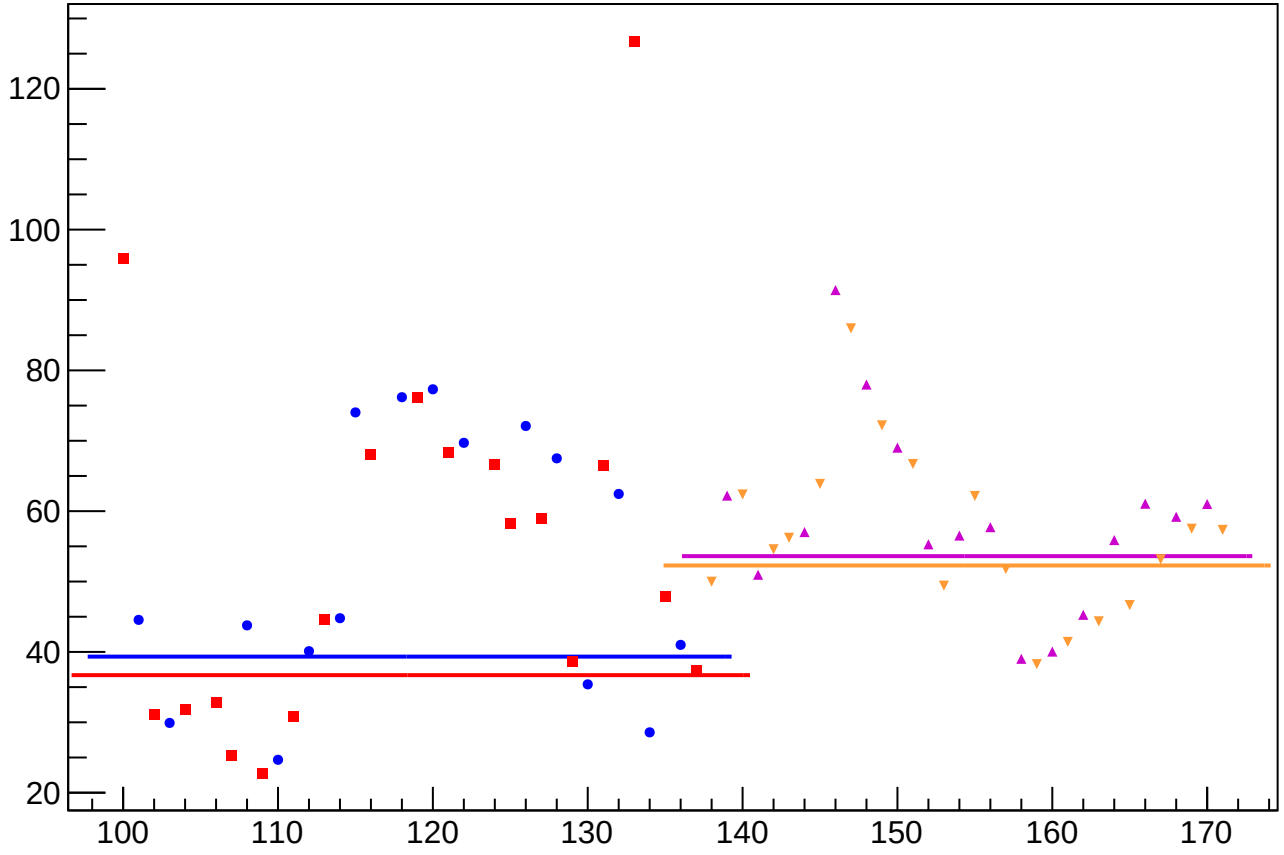
Left In: 0.008+/-0.015 χ^2/NDF:10.5/15

+ sign 0.025+/-0.011 χ^2/NDF: 50.3/33

All: 0.016+/-0.008 χ^2/NDF: 82.4/68

- sign 0.007+/-0.011 χ^2/NDF: 30.7/34

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.282+/-0.010 χ^2/NDF:1026849.5/17

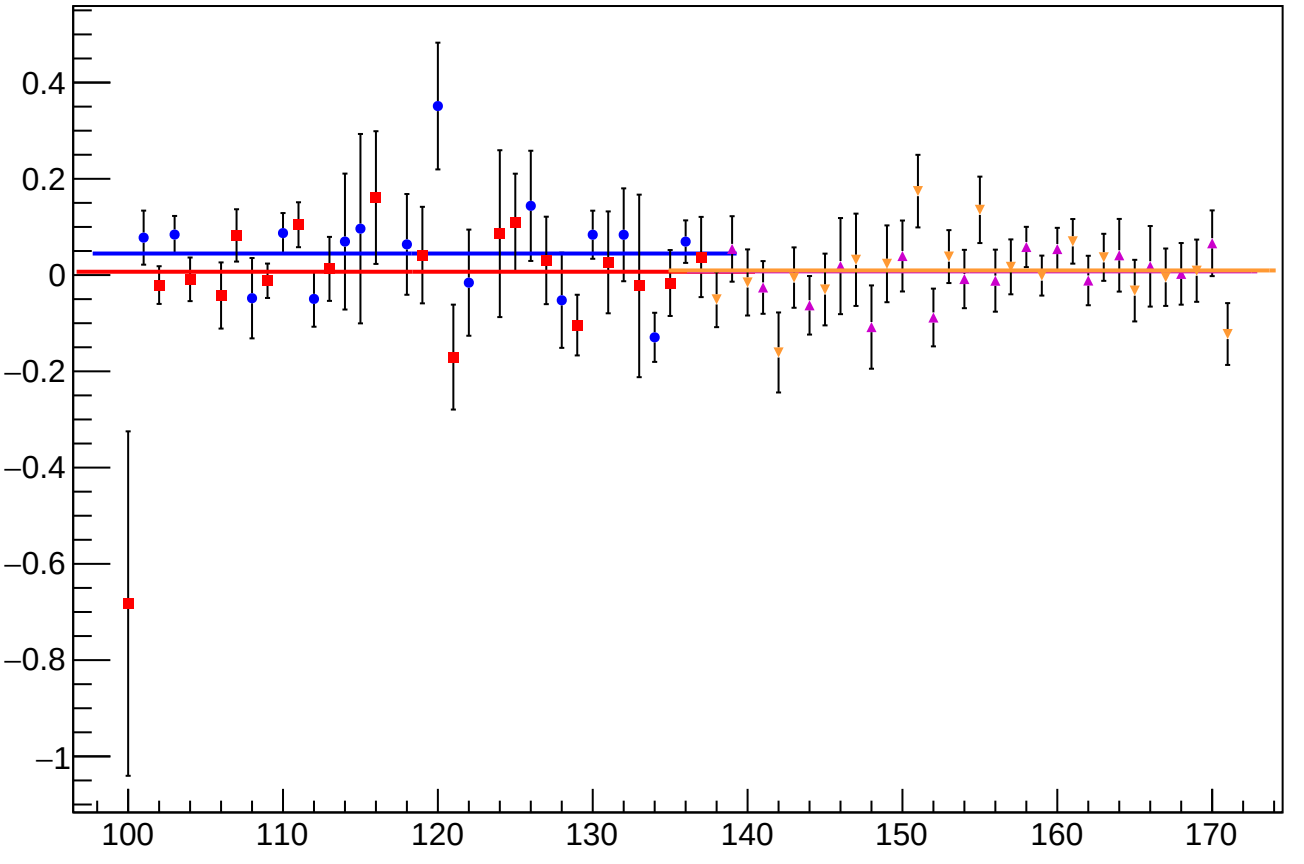
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.608+/-0.011 χ^2/NDF:1131441.9/15

+ sign 46.515+/-0.008 χ^2/NDF: 3317863.6/33

All: 45.785+/-0.005 χ^2/NDF: 7801107.8/68

- sign 45.047+/-0.008 χ^2/NDF: 4464482.2/34



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

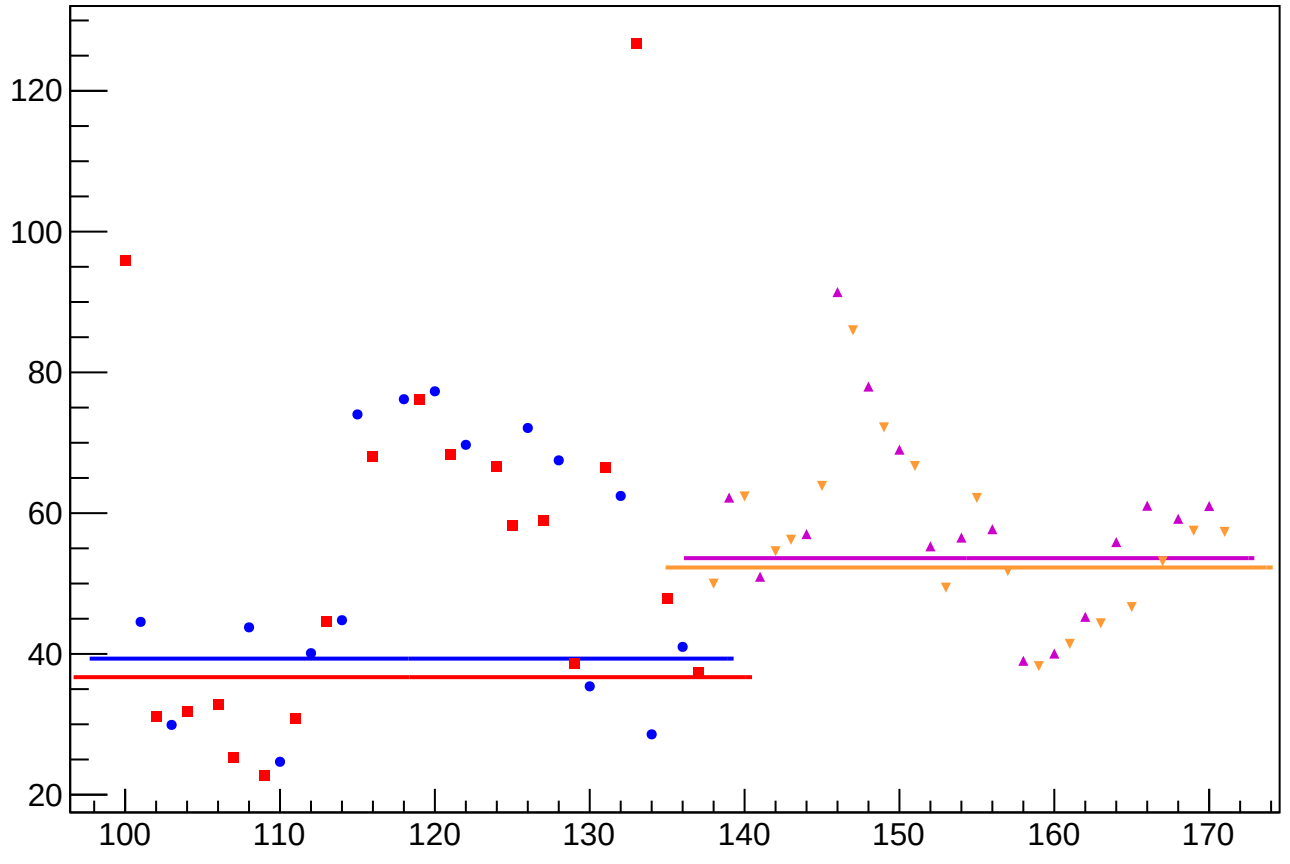
Right Out: 0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.008+/-0.015 χ^2/NDF:10.5/15

+ sign 0.025+/-0.011 χ^2/NDF: 50.3/33

All: 0.016+/-0.008 χ^2/NDF: 82.4/68

- sign 0.007+/-0.011 χ^2/NDF: 30.7/34



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.282+/-0.010 χ^2/NDF:1026849.5/17

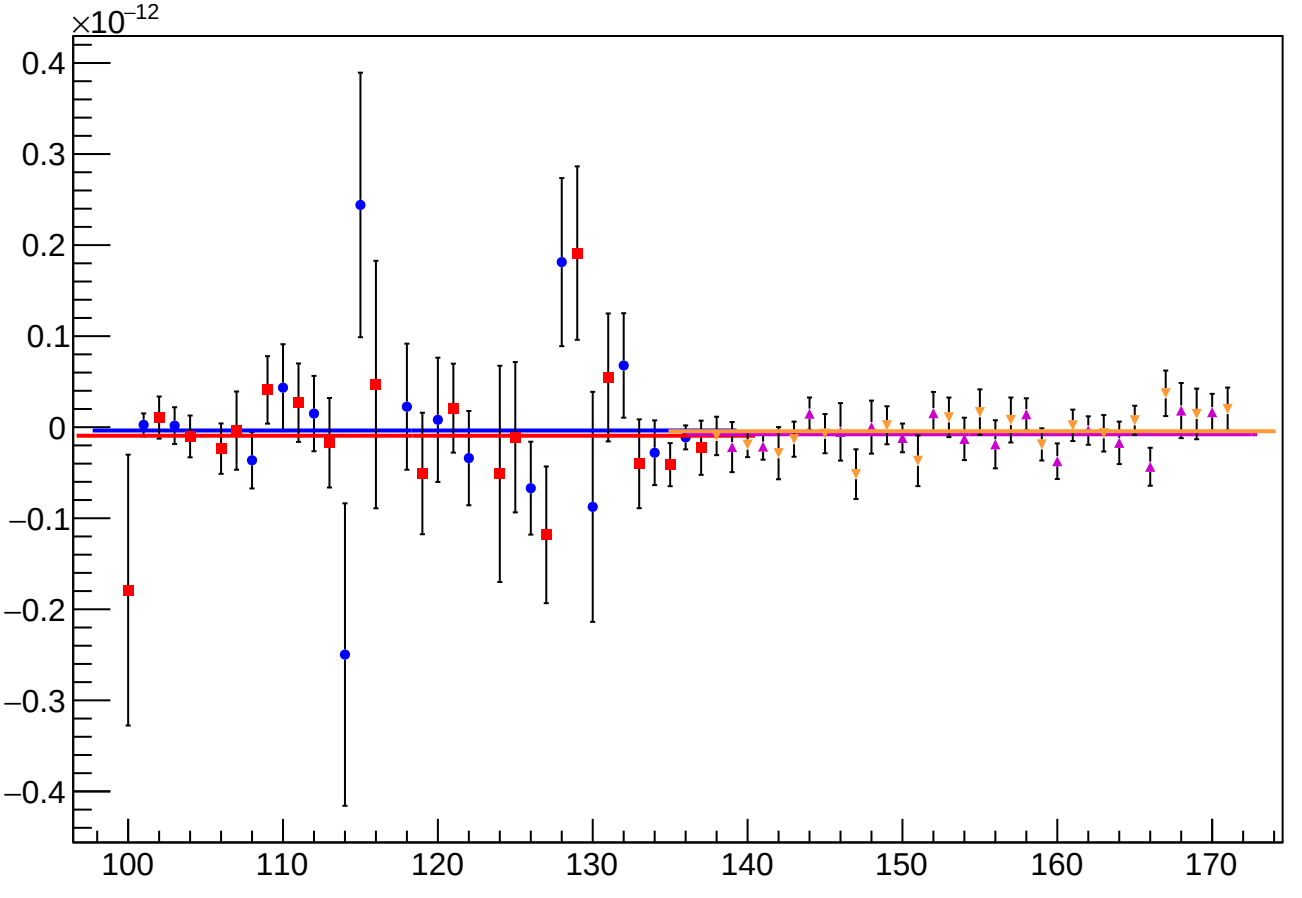
Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 53.608+/-0.011 χ^2/NDF:1131441.9/15

+ sign 46.515+/-0.008 χ^2/NDF: 3317863.6/33

All: 45.785+/-0.005 χ^2/NDF: 7801107.8/68

- sign 45.047+/-0.008 χ^2/NDF: 4464482.2/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

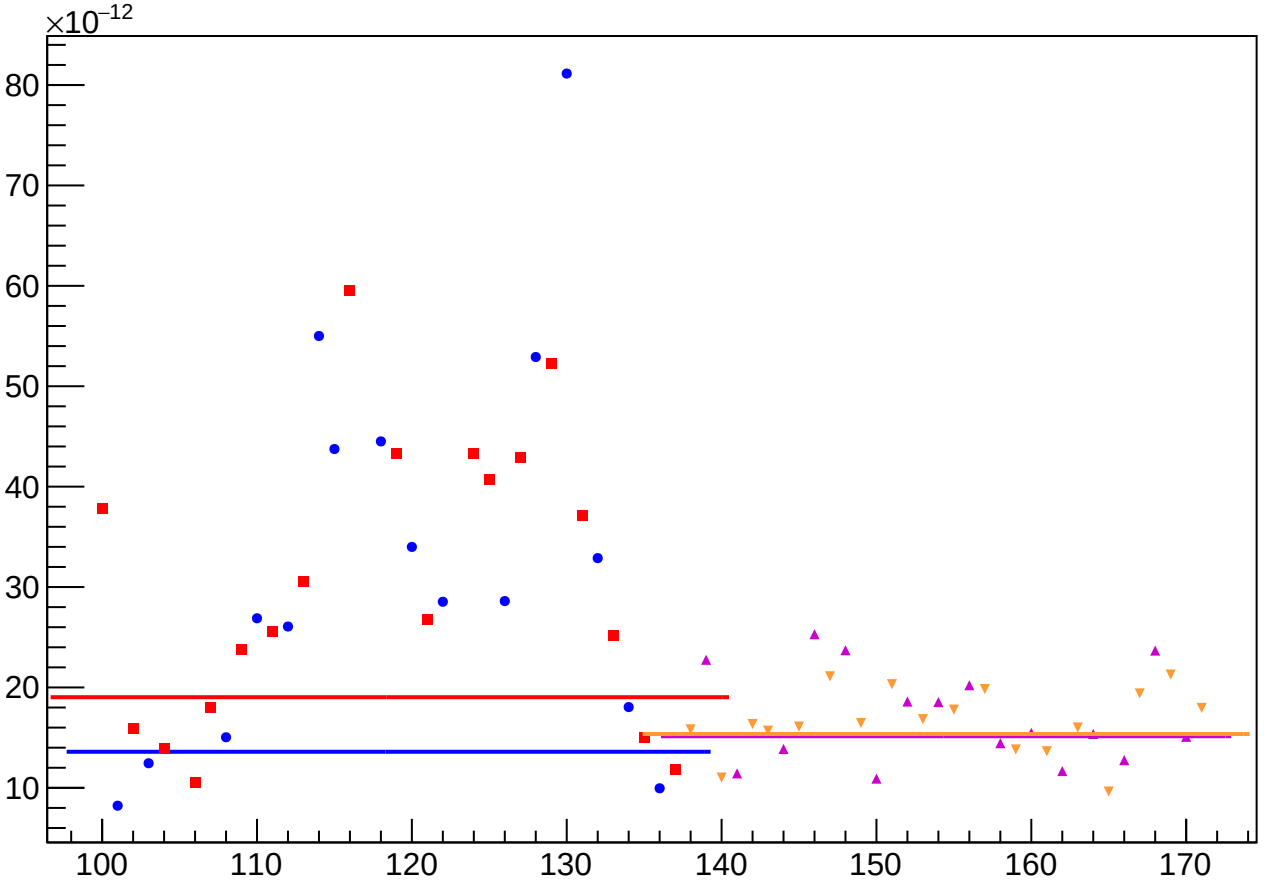
Left In: -0.000+/-0.000 χ^2/NDF:13.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 30.3/33

All: -0.000+/-0.000 χ^2/NDF: 59.8/68

- sign -0.000+/-0.000 χ^2/NDF: 29.1/34

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:918002.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

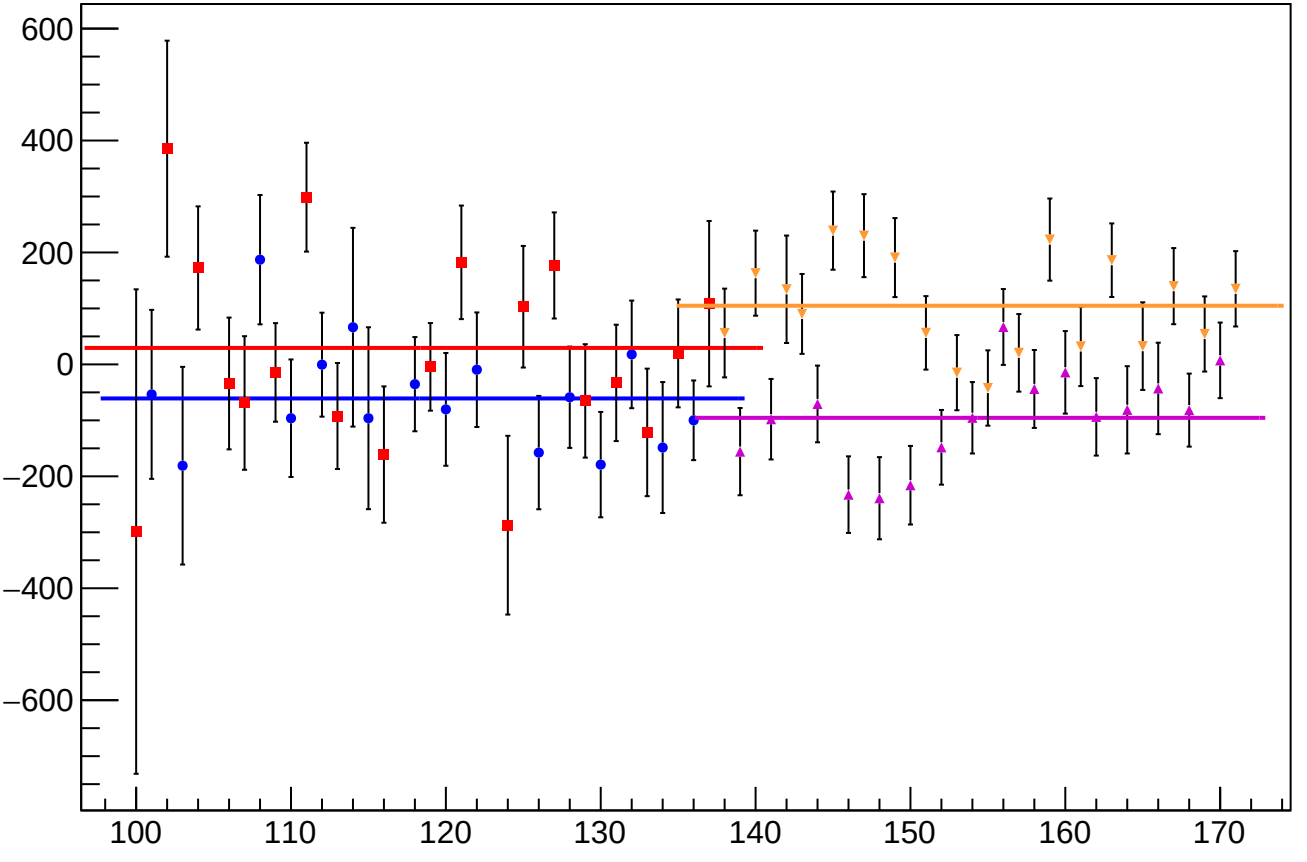
Left In: 0.000+/-0.000 χ^2/NDF:1267701.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 4187428.4/33

All: 0.000+/-0.000 χ^2/NDF: 7871090.7/68

- sign 0.000+/-0.000 χ^2/NDF: 3594989.1/34

reg_asym_sam7_mean vs Slug



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

Right Out: 29.453+/-25.105 χ^2/NDF: 31.2/18

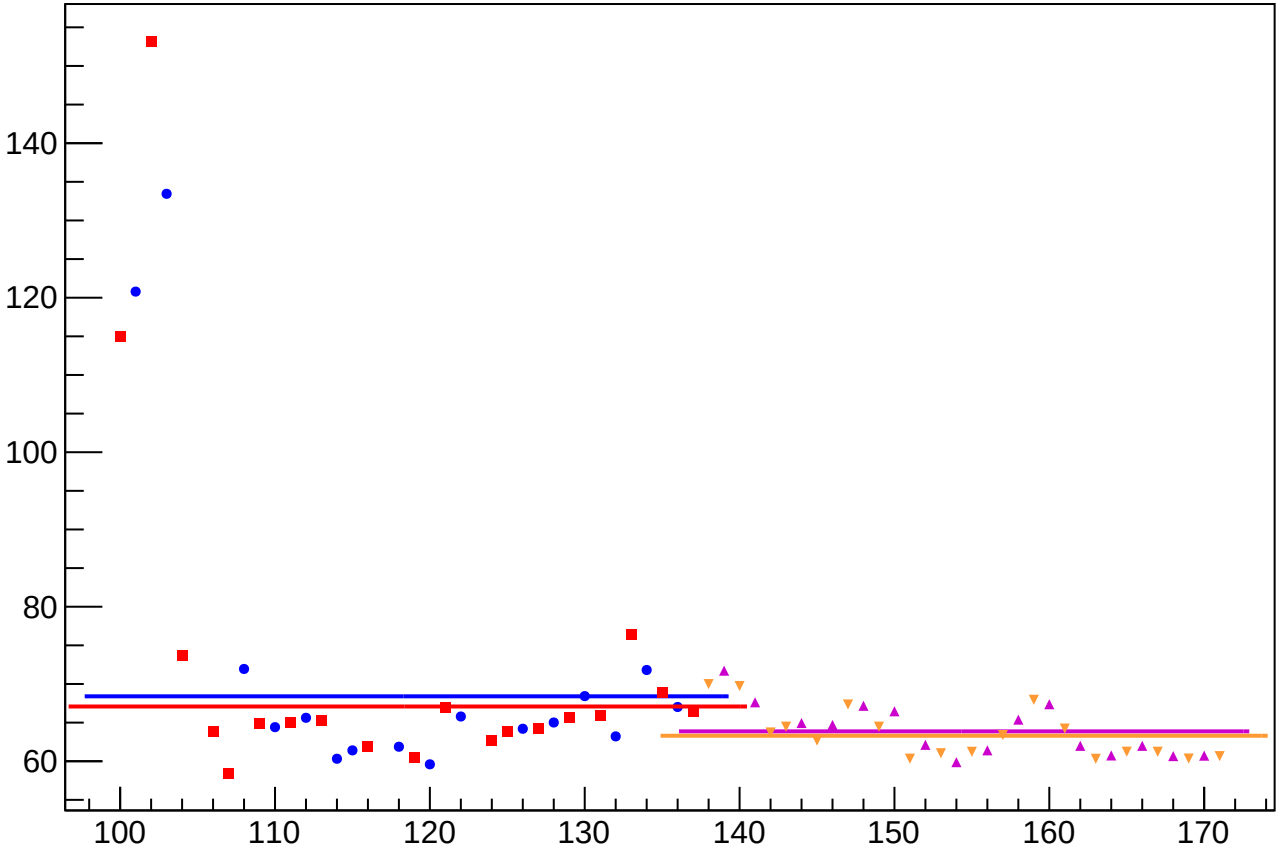
Left In: -95.491+/-17.602 χ^2/NDF:22.5/15

+ sign 56.188+/-14.116 χ^2/NDF: 65.3/33

All: 2.083+/-10.085 χ^2/NDF: 165.5/68

- sign -54.315+/-14.412 χ^2/NDF: 70.3/34

reg_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

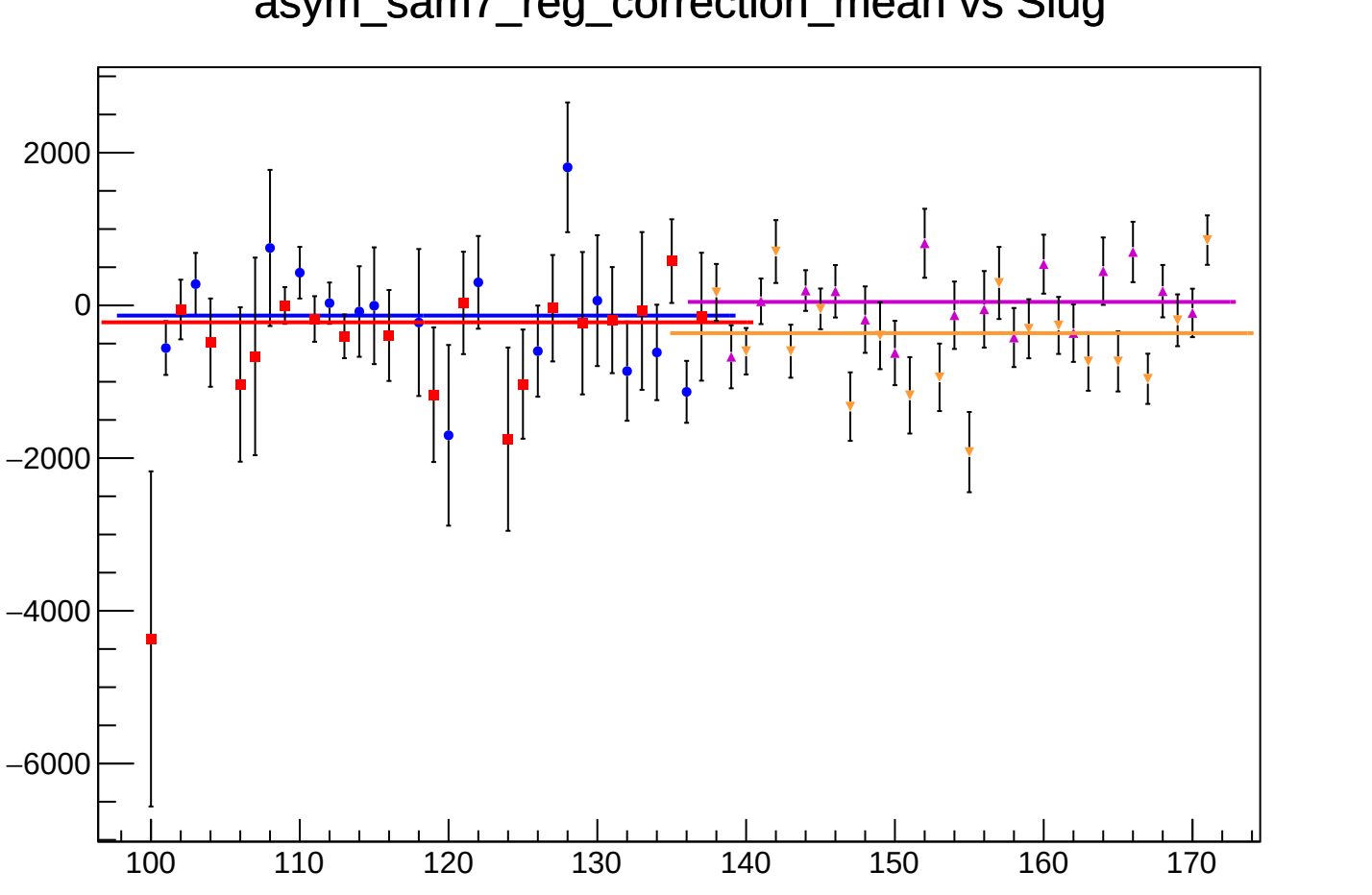
Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

+ sign 64.798+/-0.010 χ^2/NDF: 690503.6/33

All: 64.862+/-0.007 χ^2/NDF: 1259976.6/68

- sign 64.928+/-0.010 χ^2/NDF: 569390.4/34



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.494+/-88.288 χ^2/NDF:50.6/17

Right Out: -221.324+/-117.783 χ^2/NDF: 12.5/18

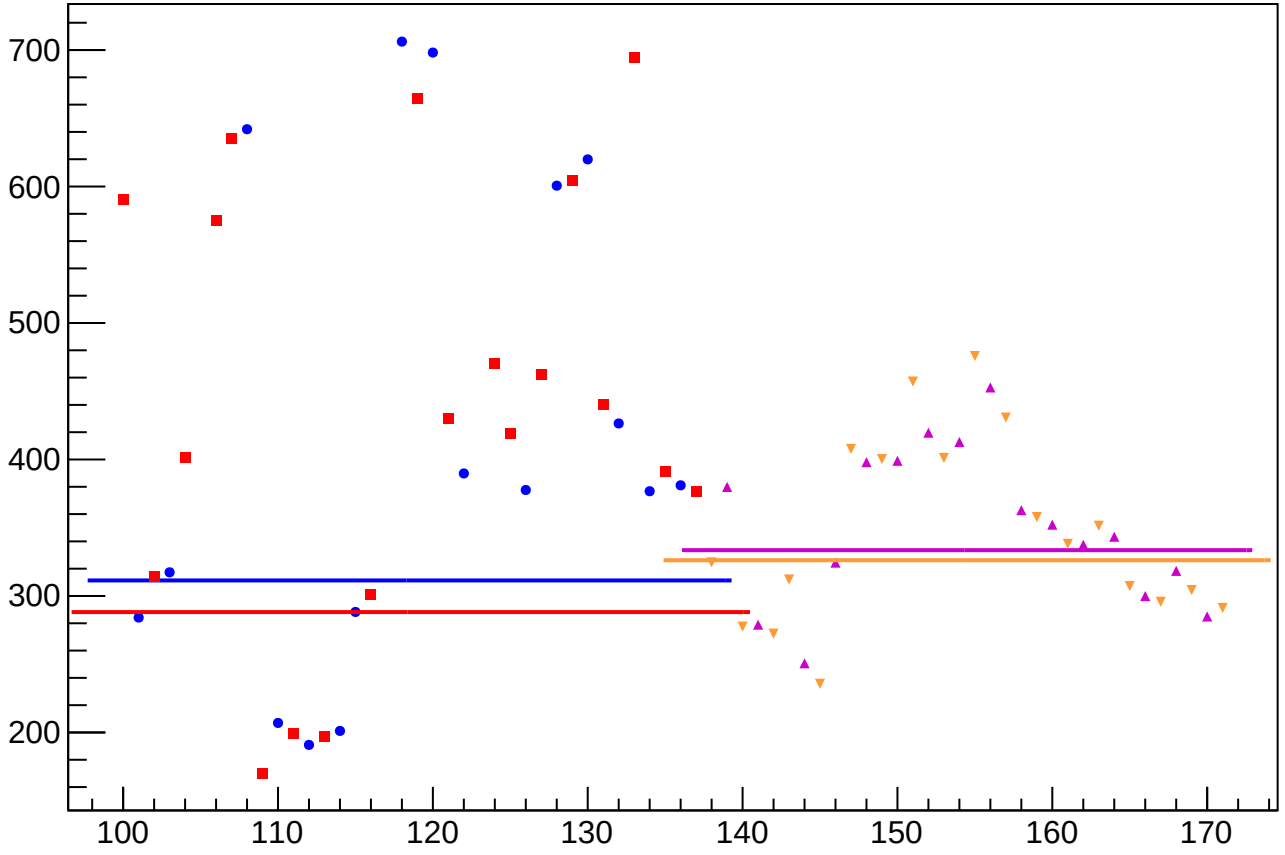
Left In: 45.559+/-93.268 χ^2/NDF:17.6/15

+ sign -287.708+/-72.286 χ^2/NDF: 75.3/33

All: -173.821+/-51.406 χ^2/NDF: 113.6/68

- sign -57.295+/-73.119 χ^2/NDF: 33.3/34

asym_sam7_reg_correction_rms vs Slug



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 326.204+/-0.062 χ^2/NDF:975160.0/17

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

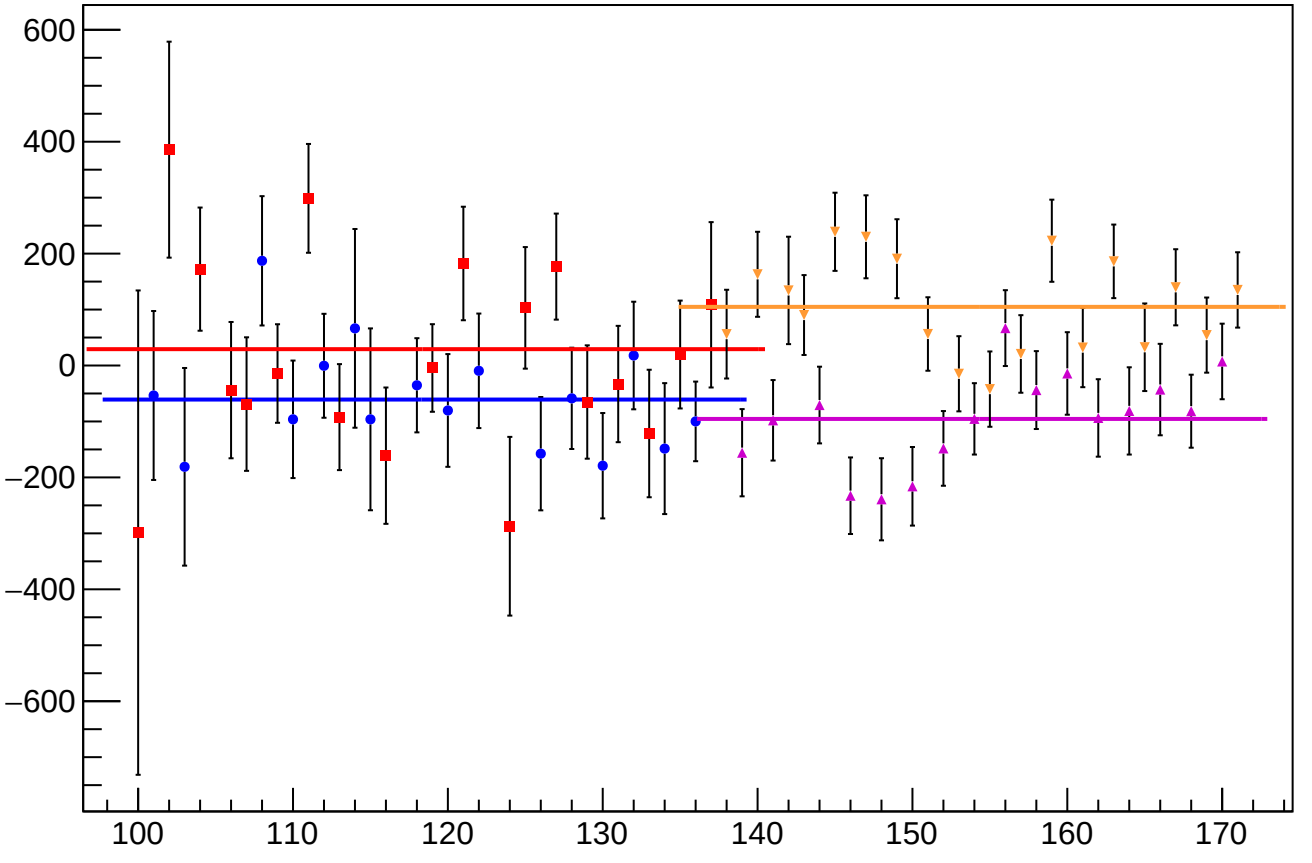
Left In: 333.580+/-0.066 χ^2/NDF:711826.8/15

+ sign 321.319+/-0.051 χ^2/NDF: 3117527.3/33

All: 318.736+/-0.036 χ^2/NDF: 6732336.0/68

- sign 316.093+/-0.052 χ^2/NDF: 3609641.4/34

cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

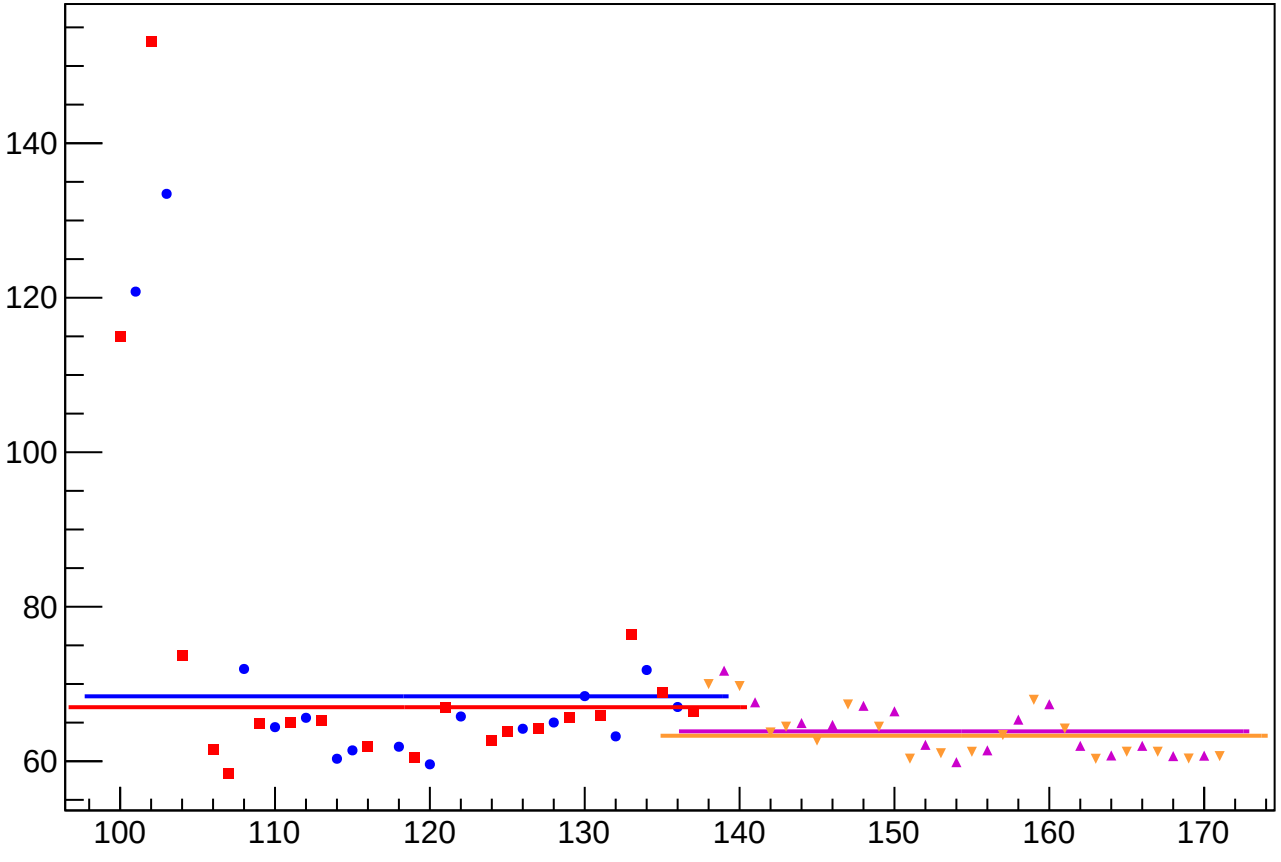
Left In: -95.489+/-17.602 χ^2/NDF:22.5/15

+ sign 56.187+/-14.116 χ^2/NDF: 65.3/33

All: 2.033+/-10.087 χ^2/NDF: 165.6/68

- sign -54.473+/-14.419 χ^2/NDF: 70.2/34

cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

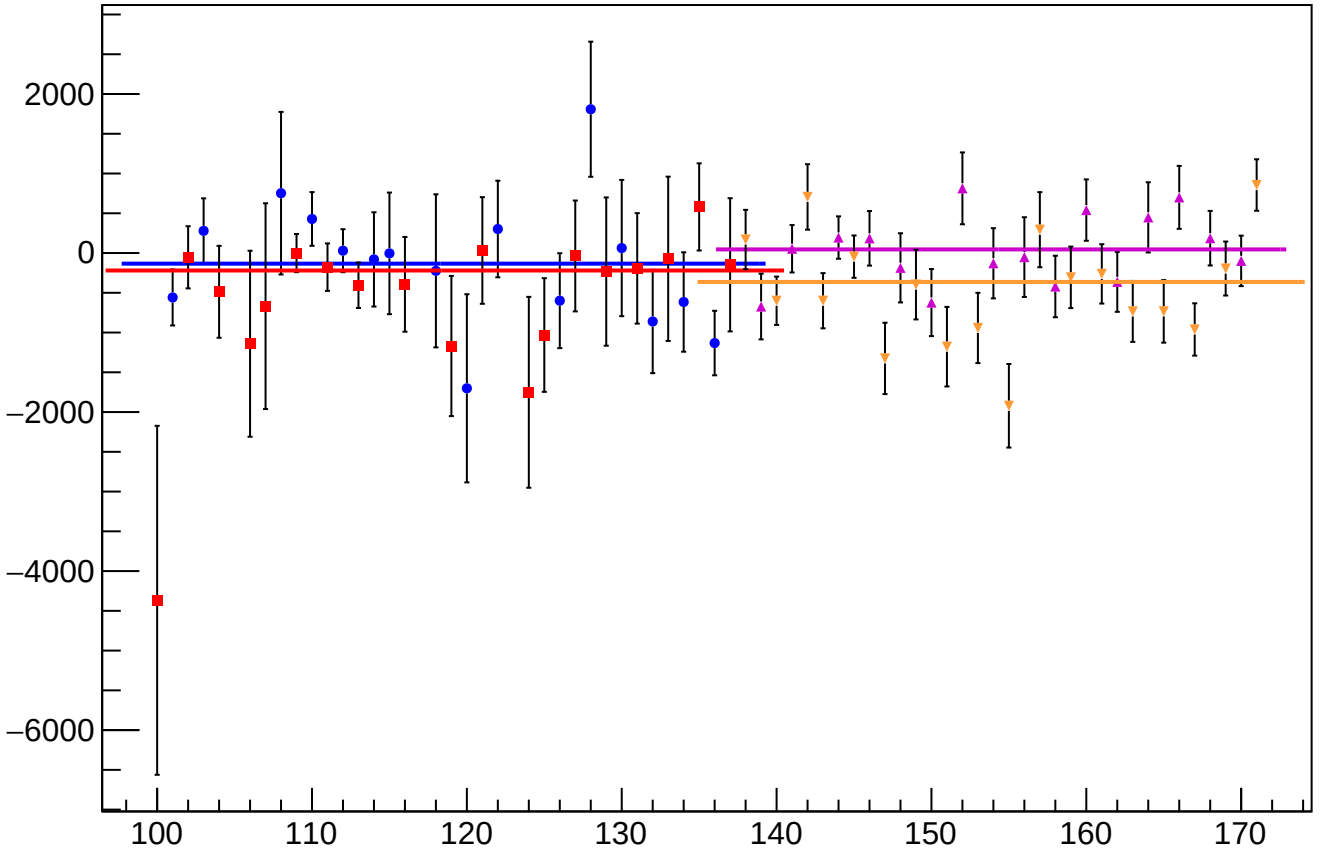
Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

+ sign 64.798+/-0.010 χ^2/NDF: 690503.9/33

All: 64.846+/-0.007 χ^2/NDF: 1261341.7/68

- sign 64.896+/-0.010 χ^2/NDF: 570791.1/34

asym_sam7_cor_correction_mean vs Slug



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.493+/-88.288 χ^2/NDF:50.6/17

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

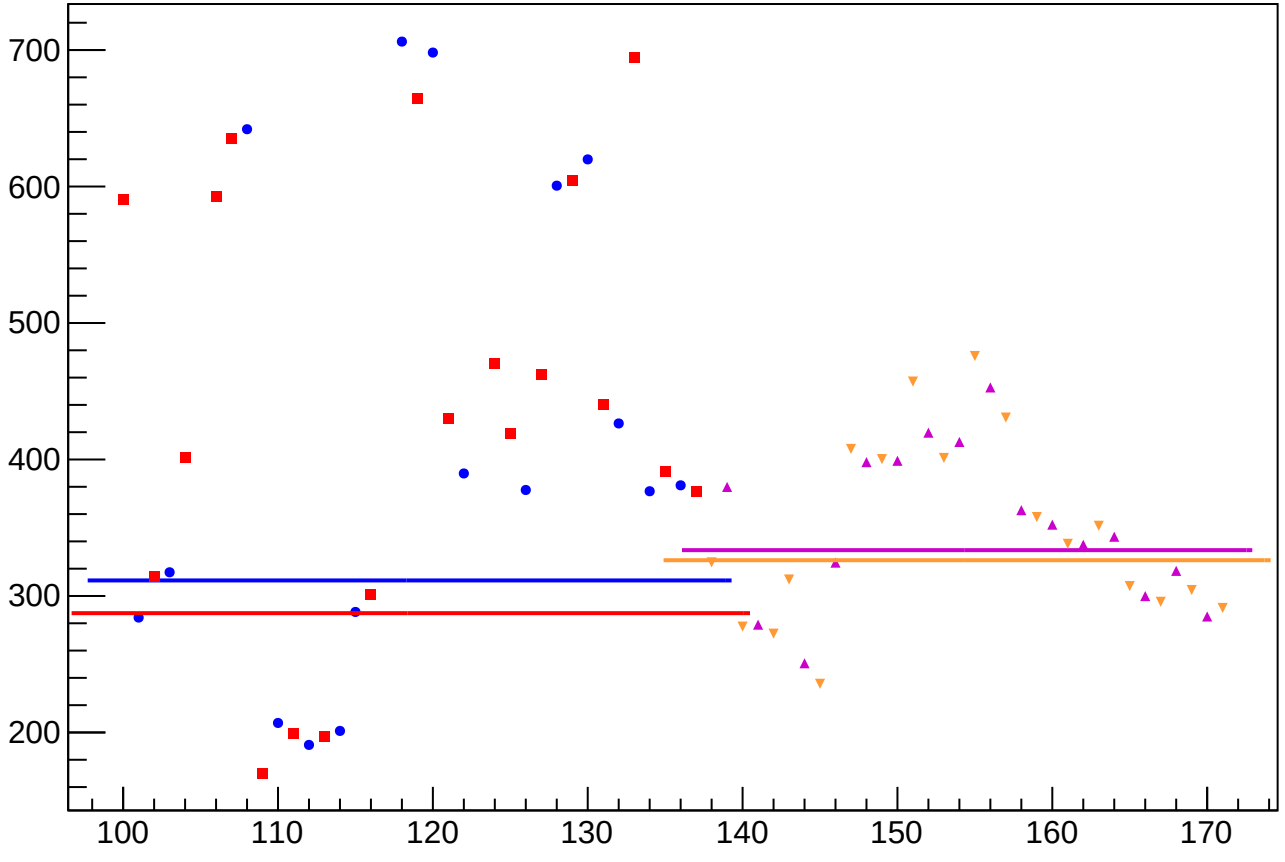
Left In: 45.564+/-93.268 χ^2/NDF:17.6/15

+ sign -287.708+/-72.287 χ^2/NDF: 75.3/33

All: -173.462+/-51.423 χ^2/NDF: 113.6/68

- sign -56.413+/-73.169 χ^2/NDF: 33.2/34

asym_sam7_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.203+/-0.062 χ^2/NDF:975164.4/17

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

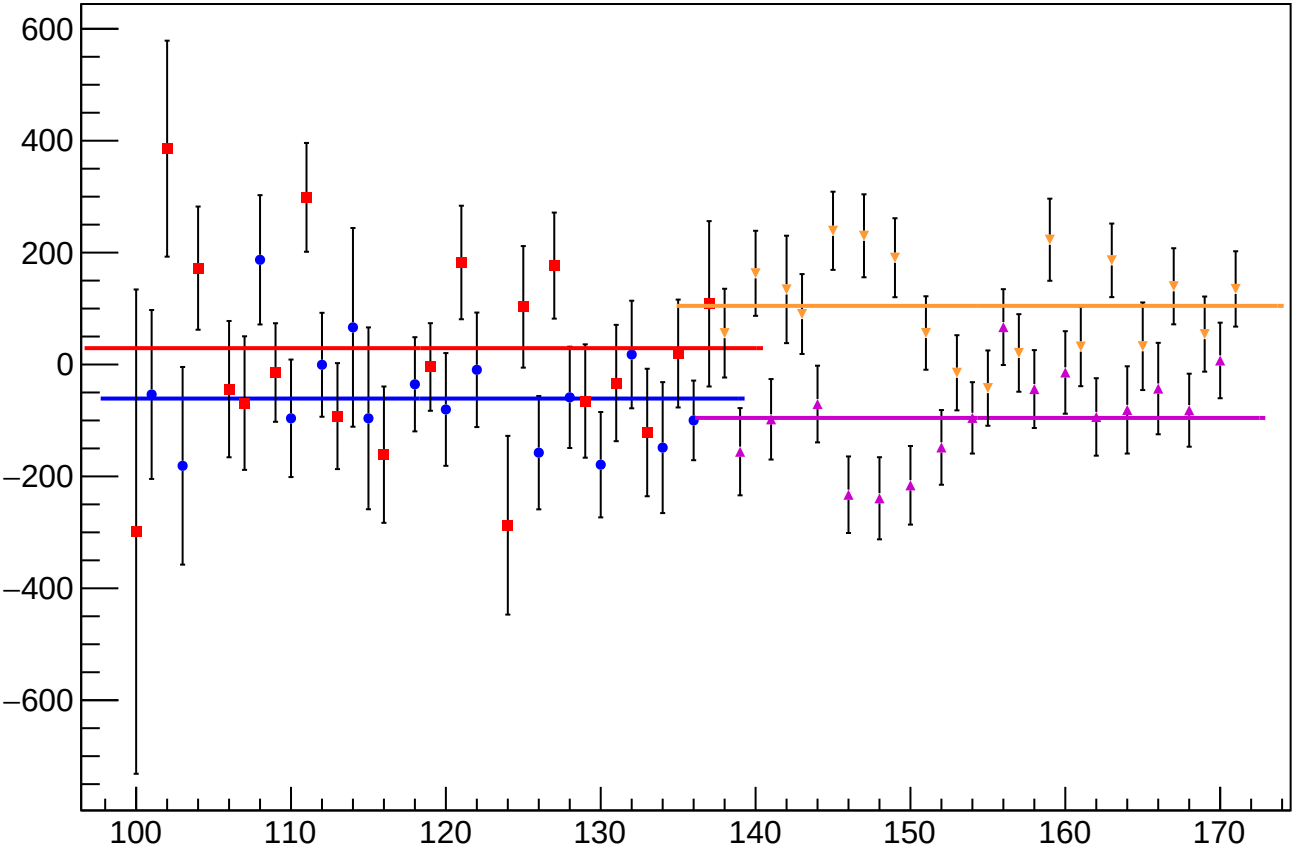
Left In: 333.580+/-0.066 χ^2/NDF:711826.4/15

+ sign 321.320+/-0.051 χ^2/NDF: 3117527.7/33

All: 318.606+/-0.036 χ^2/NDF: 6713767.2/68

- sign 315.826+/-0.052 χ^2/NDF: 3590534.2/34

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

Right Out: 29.221+/-25.143 χ^2/NDF: 31.3/18

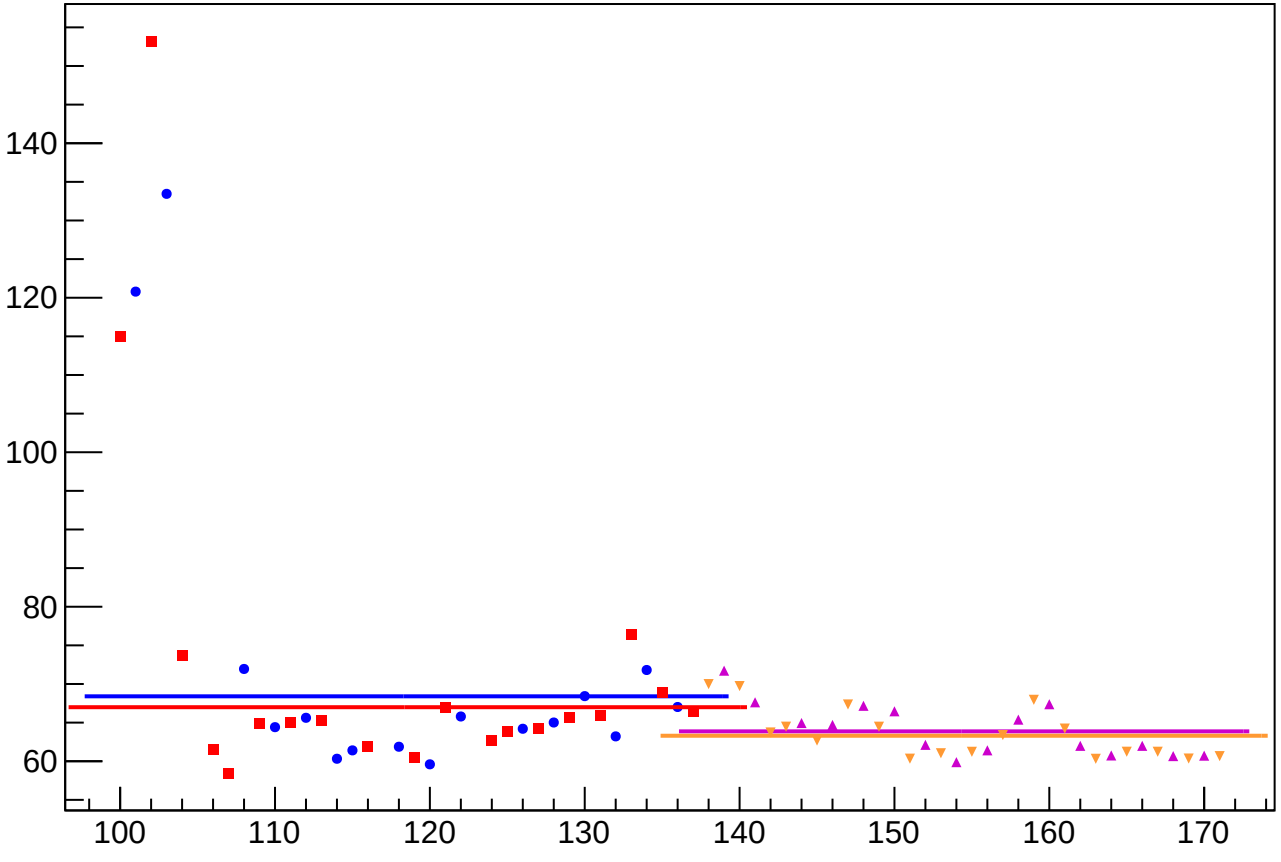
Left In: -95.489+/-17.602 χ^2/NDF:22.5/15

+ sign 56.187+/-14.116 χ^2/NDF: 65.3/33

All: 2.033+/-10.087 χ^2/NDF: 165.6/68

- sign -54.473+/-14.419 χ^2/NDF: 70.2/34

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

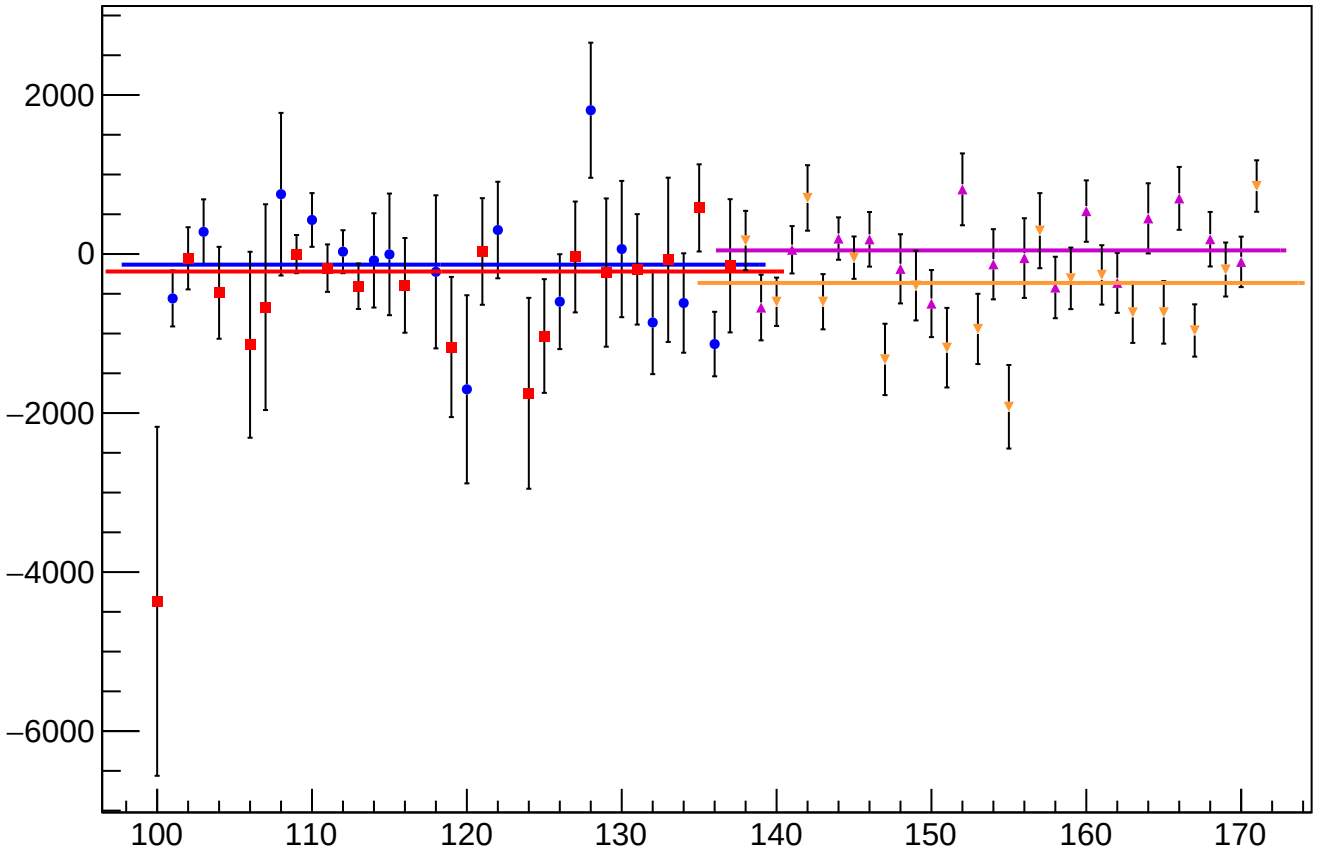
Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.867+/-0.012 χ^2/NDF:65534.8/15

+ sign 64.798+/-0.010 χ^2/NDF: 690503.9/33

All: 64.846+/-0.007 χ^2/NDF: 1261341.7/68

- sign 64.896+/-0.010 χ^2/NDF: 570791.1/34



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.493+/-88.288 χ^2/NDF:50.6/17

Right Out: -219.615+/-117.989 χ^2/NDF: 12.5/18

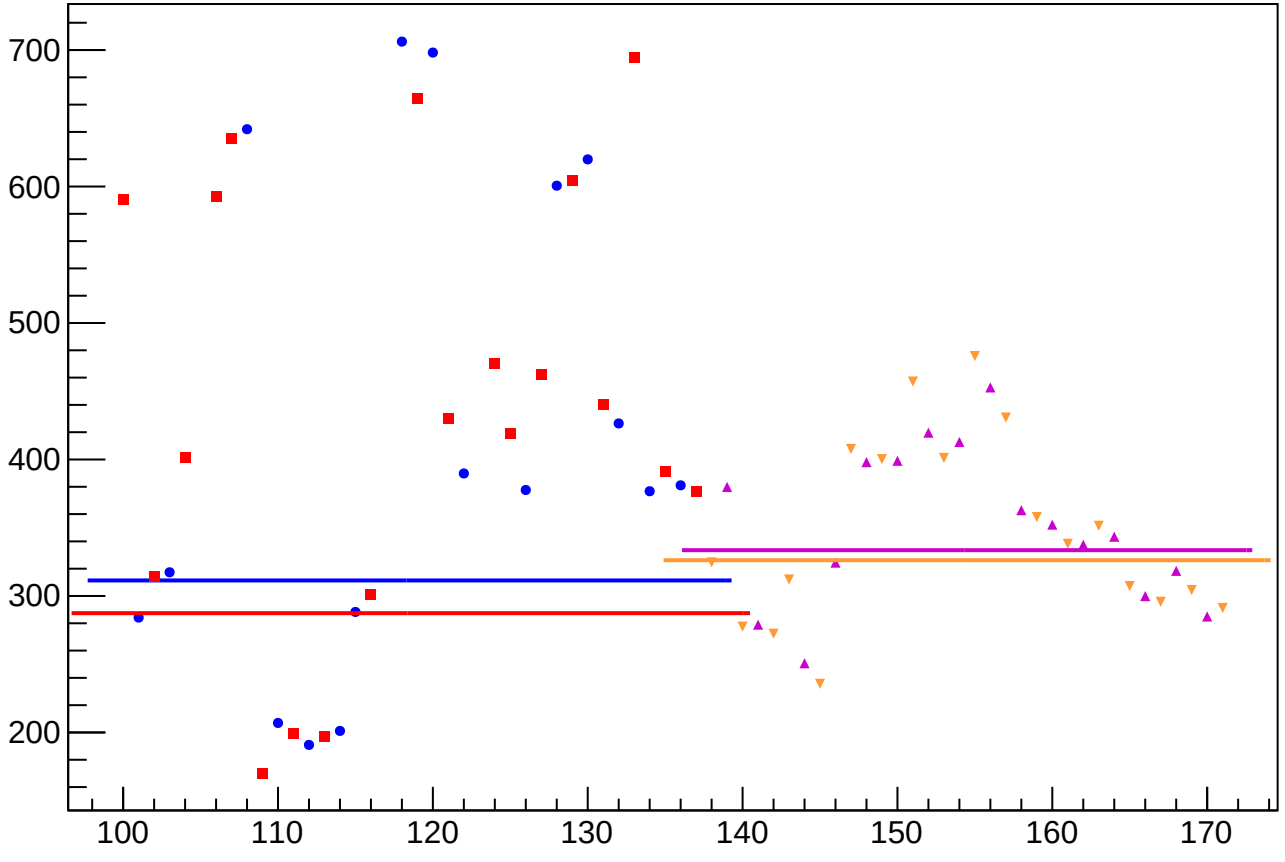
Left In: 45.564+/-93.268 χ^2/NDF:17.6/15

+ sign -287.708+/-72.287 χ^2/NDF: 75.3/33

All: -173.462+/-51.423 χ^2/NDF: 113.6/68

- sign -56.413+/-73.169 χ^2/NDF: 33.2/34

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.203+/-0.062 χ^2/NDF:975164.4/17

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

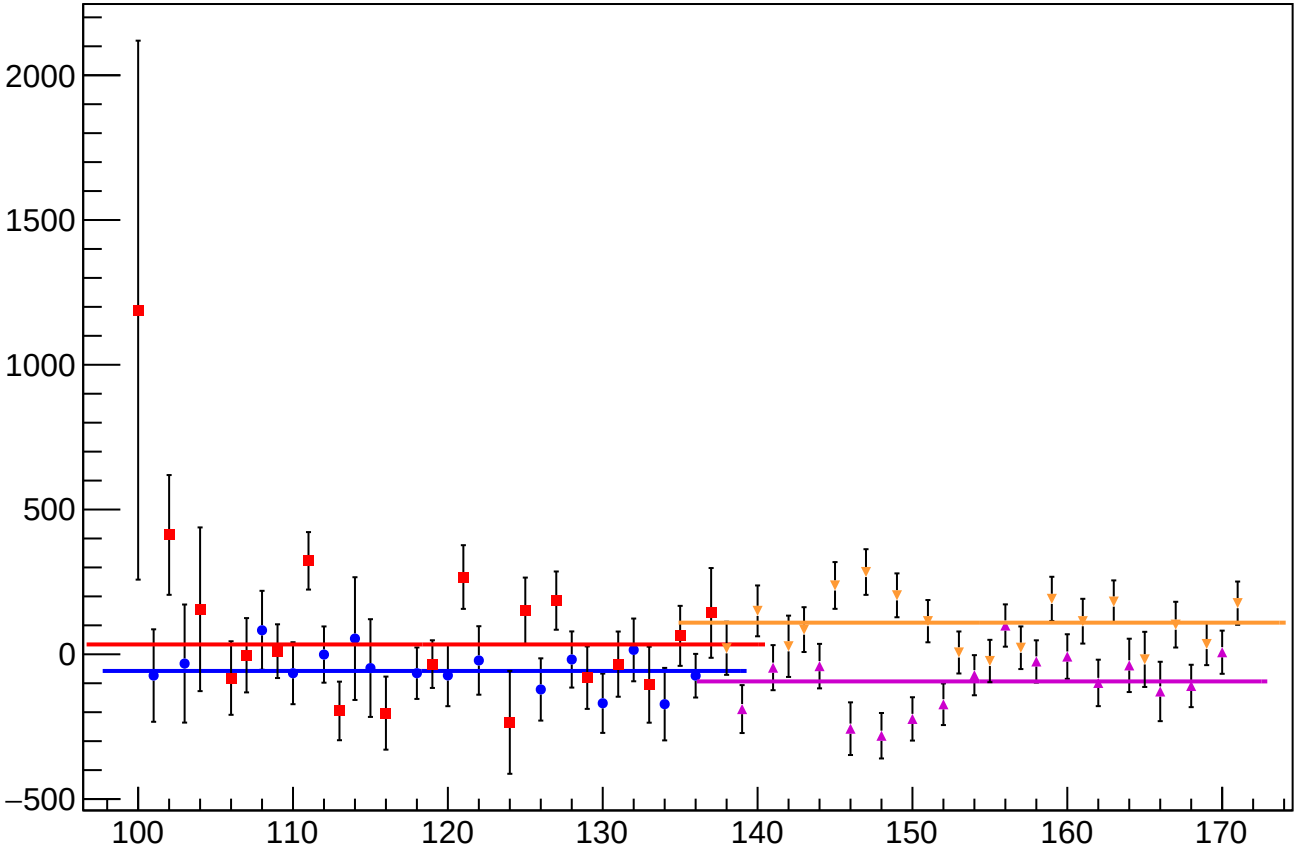
Left In: 333.580+/-0.066 χ^2/NDF:711826.4/15

+ sign 321.320+/-0.051 χ^2/NDF: 3117527.7/33

All: 318.606+/-0.036 χ^2/NDF: 6713767.2/68

- sign 315.826+/-0.052 χ^2/NDF: 3590534.2/34

dit_asym_sam7_mean vs Slug



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.260+/-18.553 χ^2/NDF:23.3/17

Right Out: 34.033+/-27.398 χ^2/NDF: 37.1/18

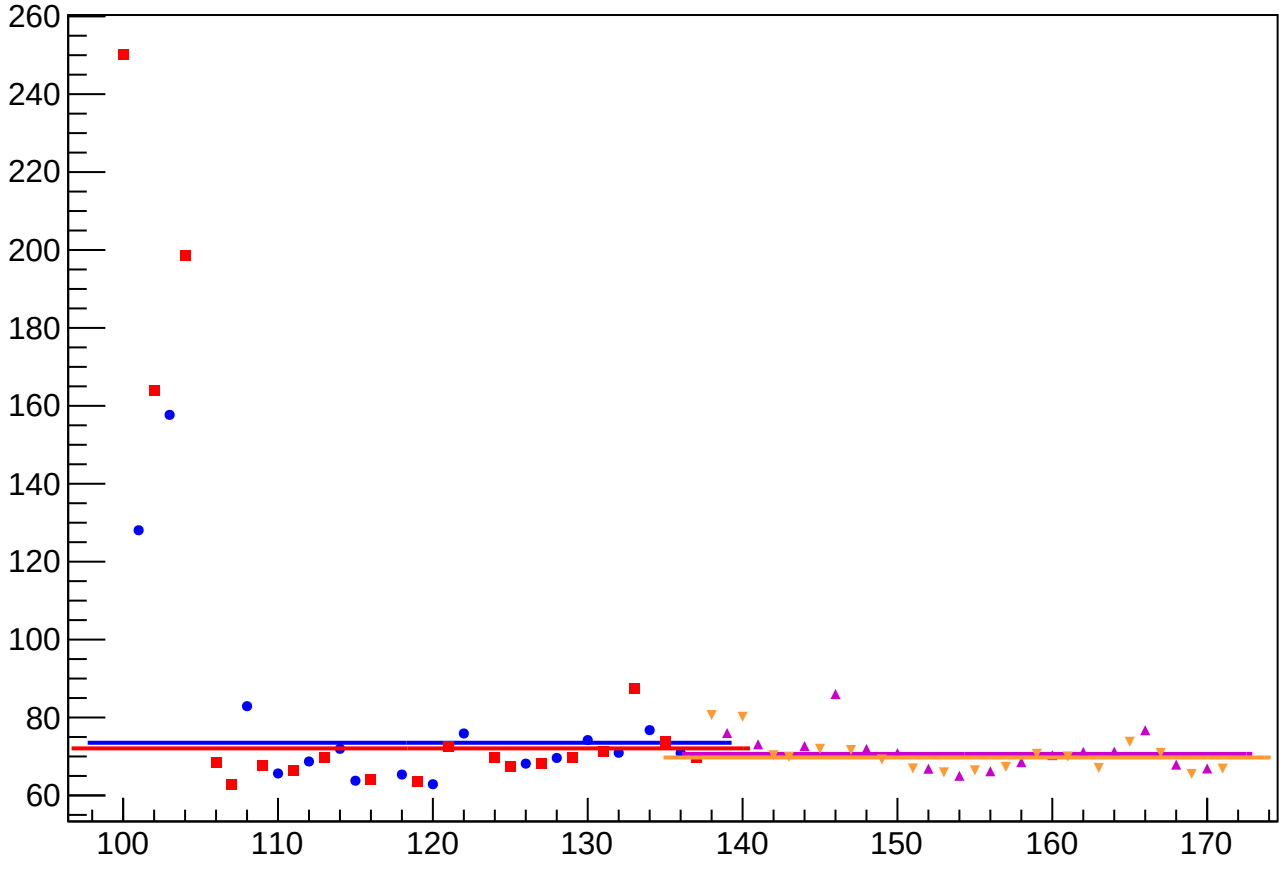
Left In: -93.653+/-19.529 χ^2/NDF:26.9/15

+ sign 58.592+/-15.480 χ^2/NDF: 52.7/33

All: 5.446+/-11.093 χ^2/NDF: 155.4/68

- sign -50.637+/-15.902 χ^2/NDF: 78.4/34

dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 69.734+/-0.013 χ^2/NDF:90770.3/17

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

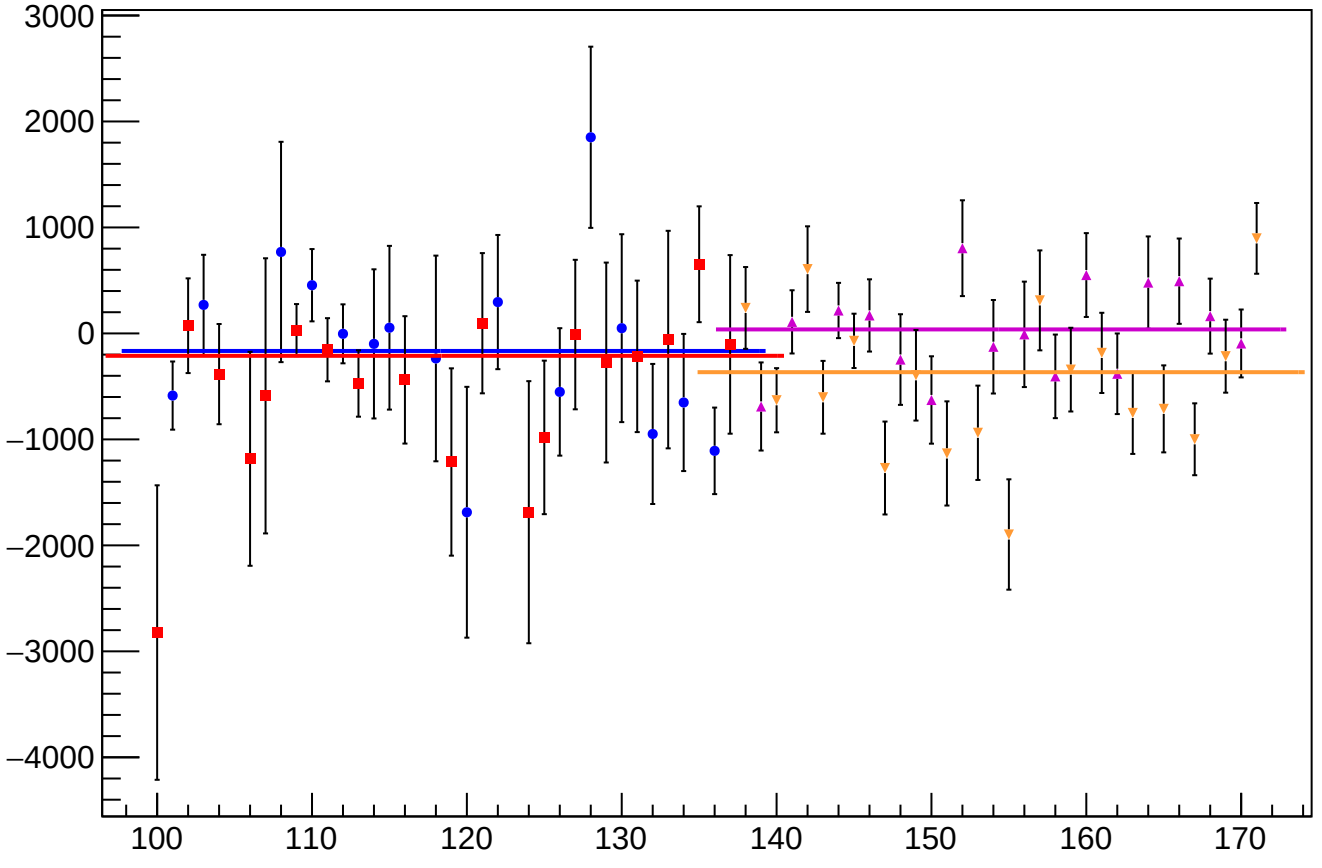
Left In: 70.655+/-0.014 χ^2/NDF:112287.0/15

+ sign 70.884+/-0.011 χ^2/NDF: 772901.6/33

All: 71.005+/-0.008 χ^2/NDF: 1847491.7/68

- sign 71.133+/-0.011 χ^2/NDF: 1074338.0/34

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -365.788+/-88.520 χ^2/NDF:49.8/17

Right Out: -211.347+/-120.122 χ^2/NDF: 13.6/18

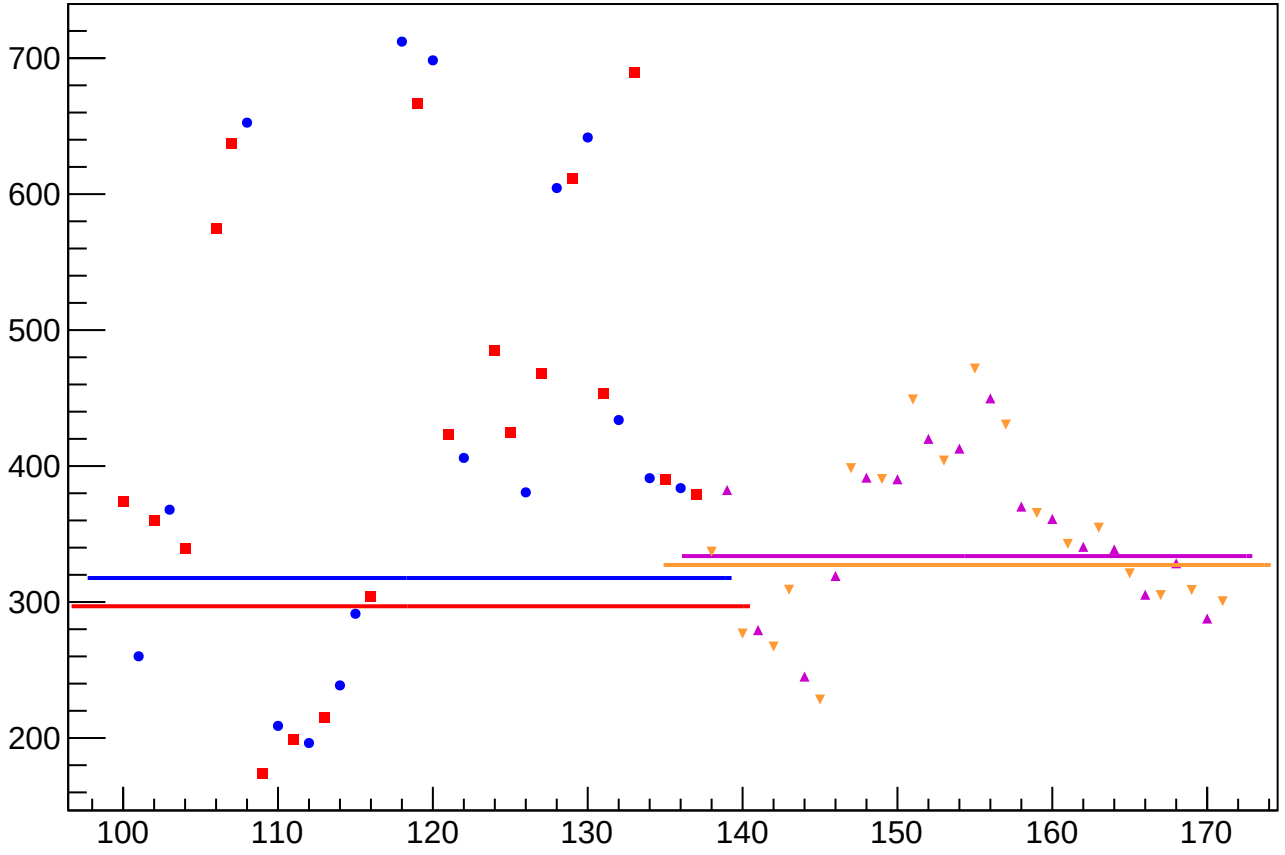
Left In: 37.681+/-93.380 χ^2/NDF:16.6/15

+ sign -301.287+/-72.886 χ^2/NDF: 74.1/33

All: -180.107+/-51.832 χ^2/NDF: 112.5/68

- sign -56.124+/-73.724 χ^2/NDF: 32.9/34

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 327.259+/-0.063 χ^2/NDF:992797.5/17

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

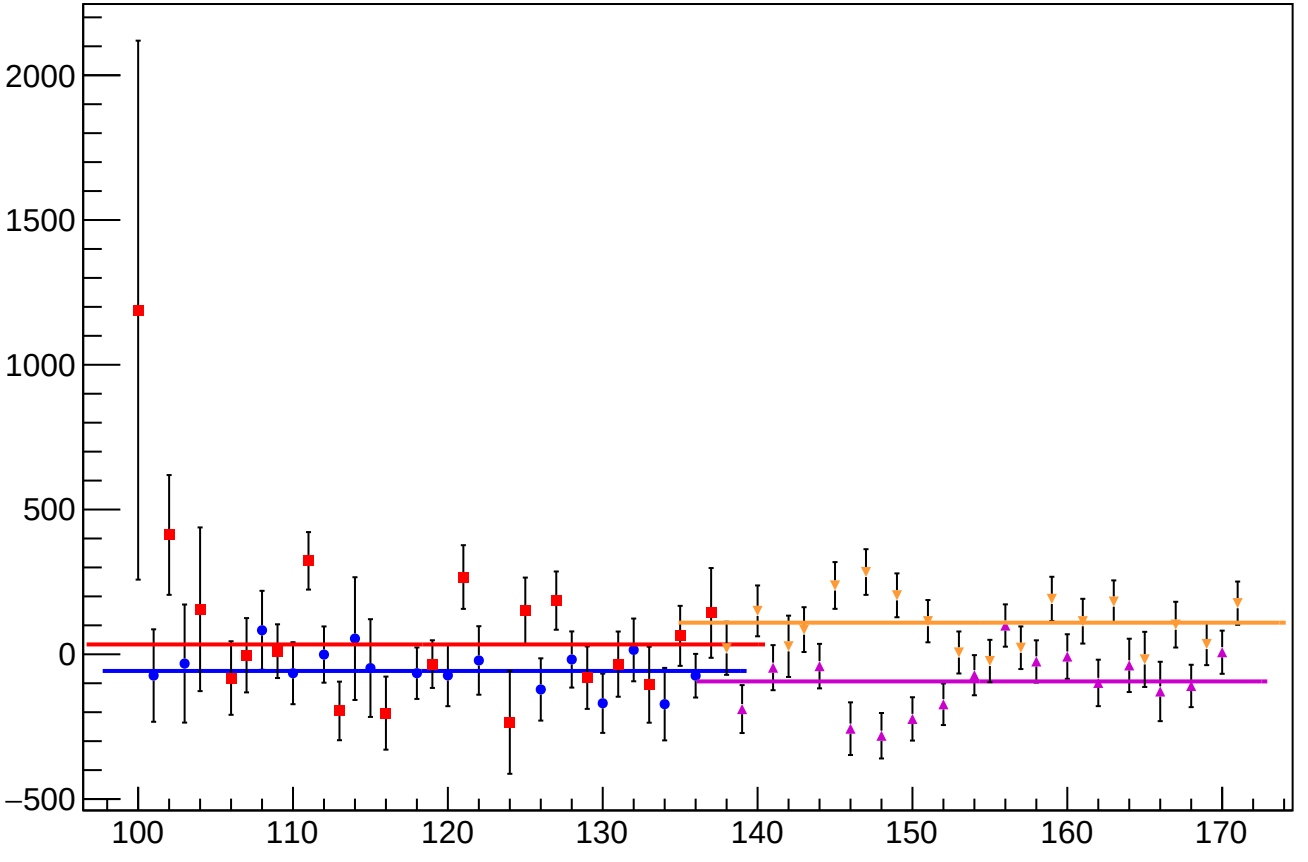
Left In: 333.794+/-0.066 χ^2/NDF:727198.6/15

+ sign 324.169+/-0.052 χ^2/NDF: 3136558.5/33

All: 322.055+/-0.037 χ^2/NDF: 6525877.6/68

- sign 319.892+/-0.052 χ^2/NDF: 3385914.8/34

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.260+/-18.553 χ^2/NDF:23.3/17

Right Out: 34.034+/-27.398 χ^2/NDF: 37.1/18

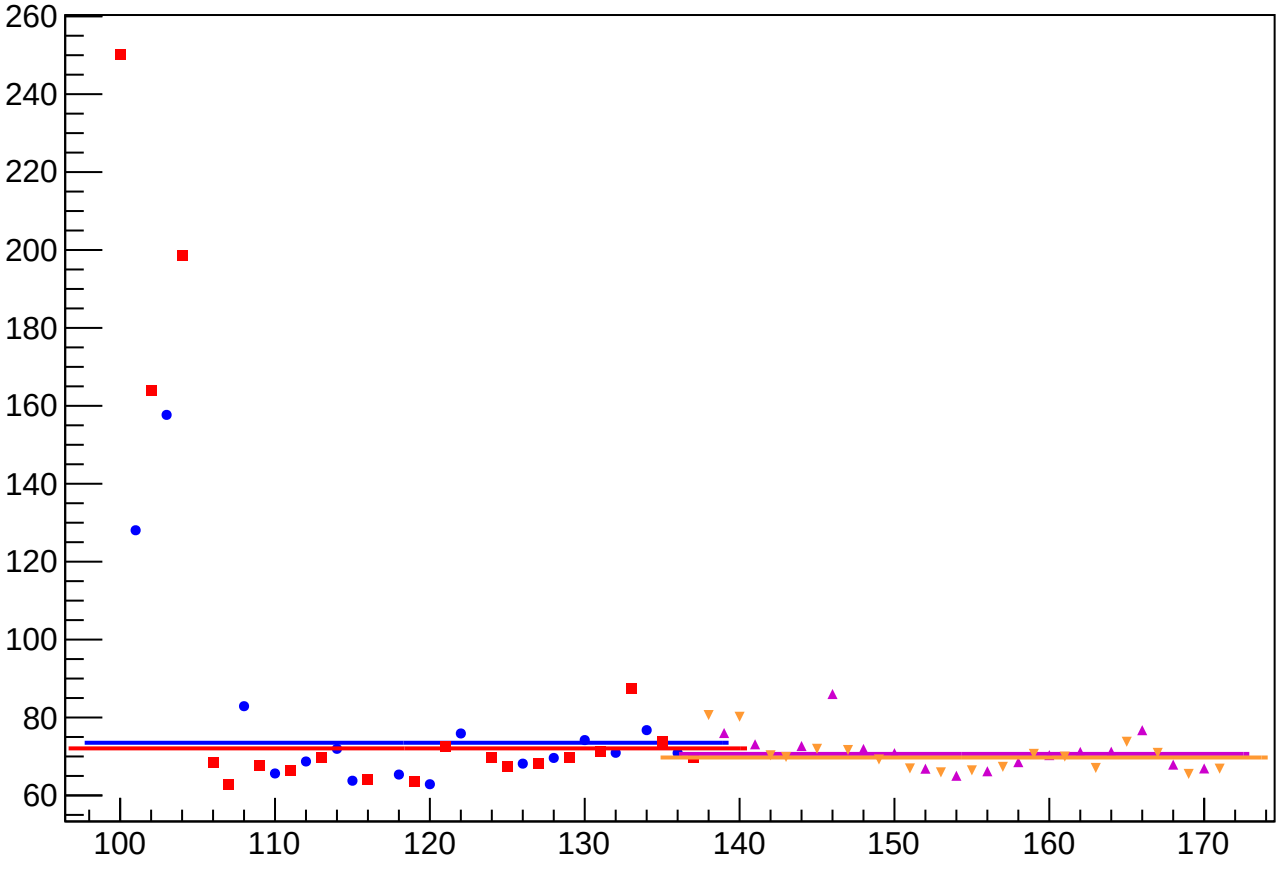
Left In: -93.653+/-19.529 χ^2/NDF:26.9/15

+ sign 58.592+/-15.480 χ^2/NDF: 52.7/33

All: 5.447+/-11.092 χ^2/NDF: 155.4/68

- sign -50.636+/-15.902 χ^2/NDF: 78.4/34

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 69.734+/-0.013 χ^2/NDF:90769.3/17

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

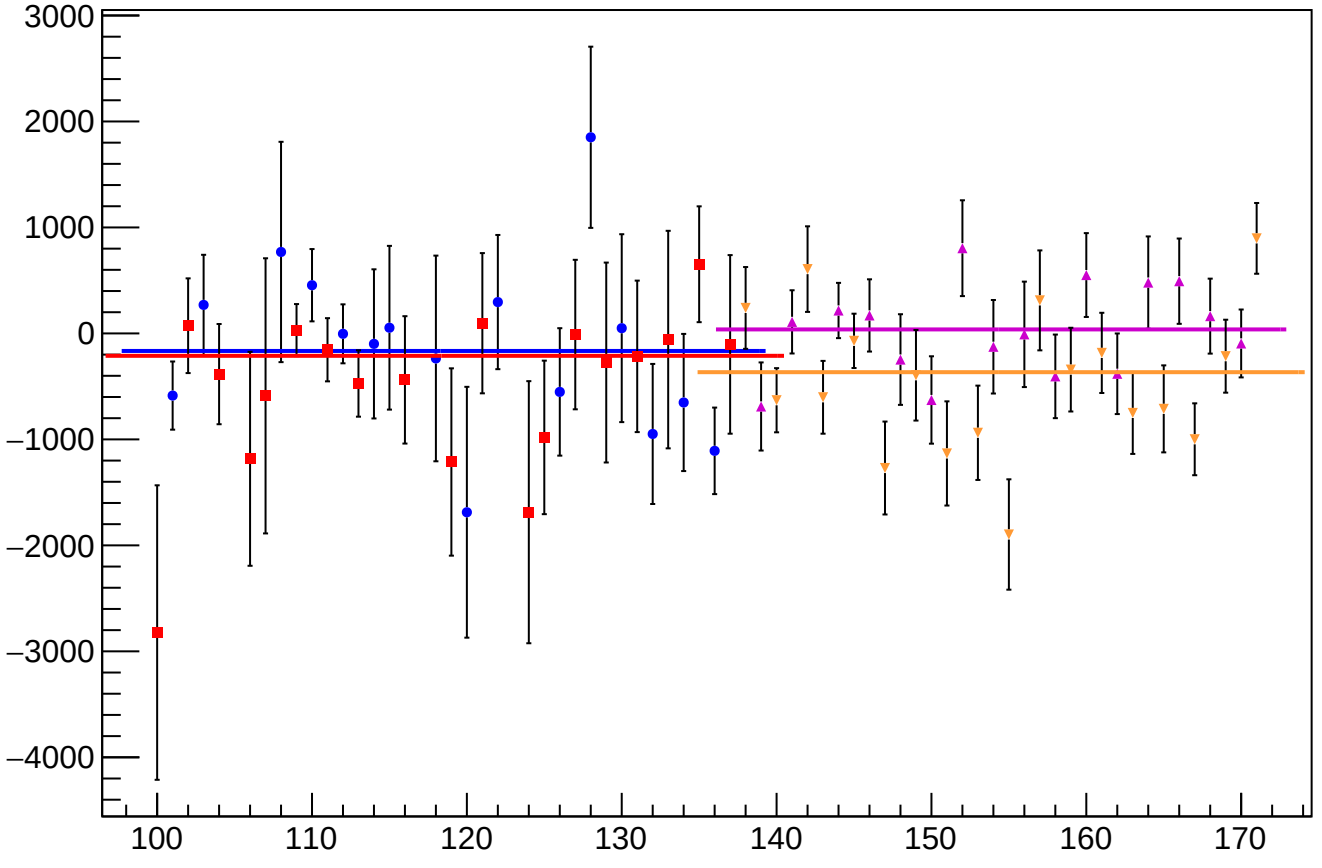
Left In: 70.655+/-0.014 χ^2/NDF:112286.7/15

+ sign 70.884+/-0.011 χ^2/NDF: 772900.3/33

All: 71.005+/-0.008 χ^2/NDF: 1847490.9/68

- sign 71.133+/-0.011 χ^2/NDF: 1074338.4/34

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -365.788+/-88.520 χ^2/NDF:49.8/17

Right Out: -211.347+/-120.121 χ^2/NDF: 13.6/18

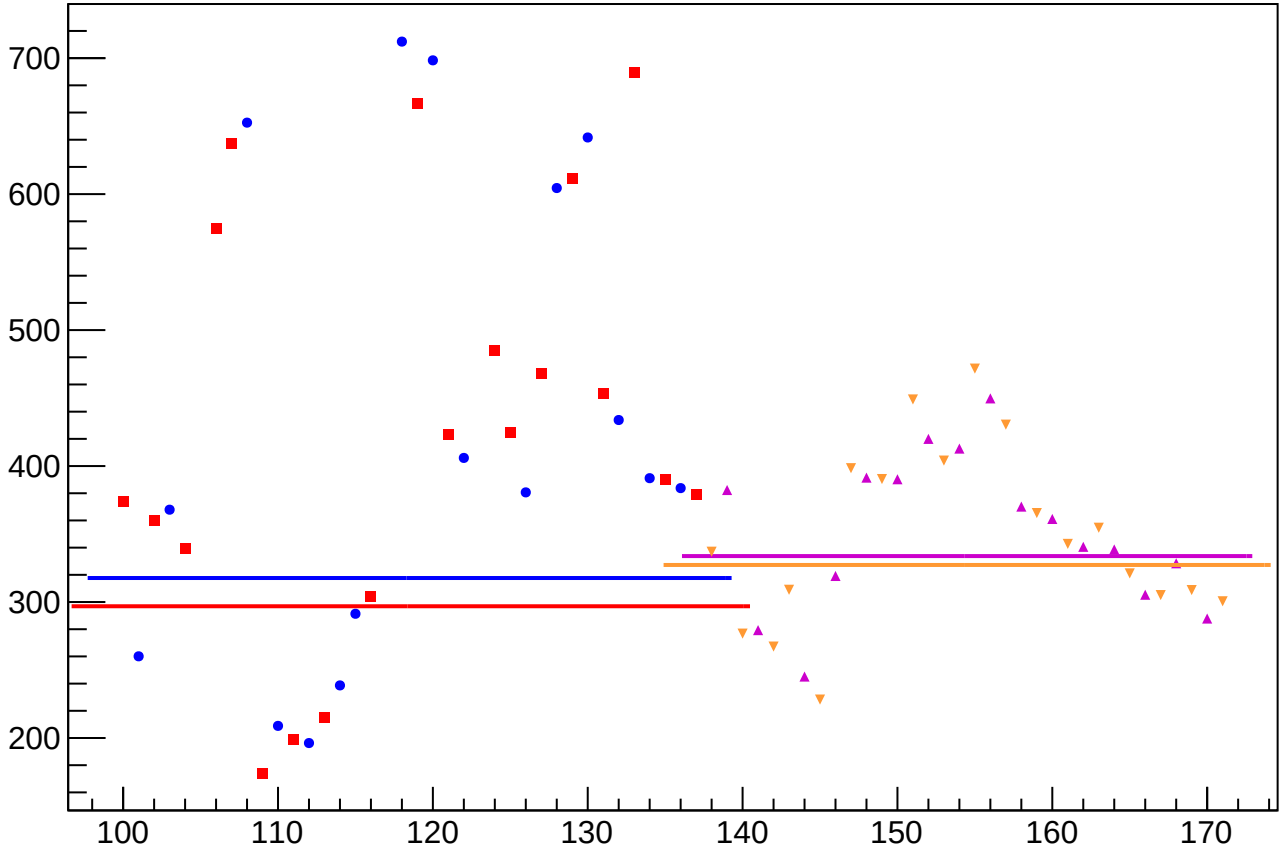
Left In: 37.681+/-93.380 χ^2/NDF:16.6/15

+ sign -301.286+/-72.886 χ^2/NDF: 74.1/33

All: -180.106+/-51.832 χ^2/NDF: 112.5/68

- sign -56.124+/-73.724 χ^2/NDF: 32.9/34

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 327.259+/-0.063 χ^2/NDF:992806.4/17

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

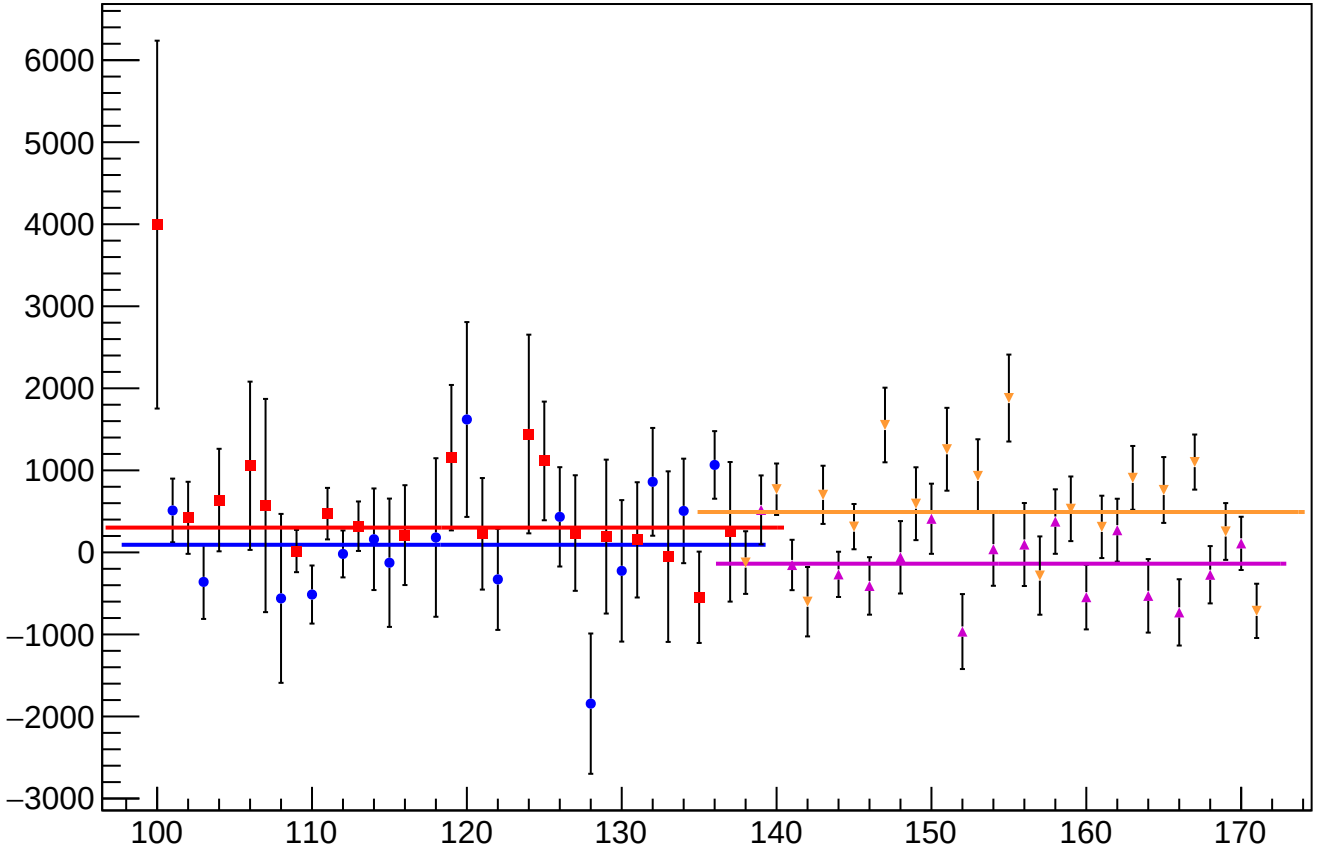
Left In: 333.794+/-0.066 χ^2/NDF:727203.9/15

+ sign 324.168+/-0.052 χ^2/NDF: 3136602.6/33

All: 322.054+/-0.037 χ^2/NDF: 6525947.4/68

- sign 319.891+/-0.052 χ^2/NDF: 3385941.0/34

asym_sam7_mean vs Slug



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 492.334+/-90.159 χ^2/NDF:47.9/17

Right Out: 302.273+/-123.916 χ^2/NDF: 10.8/18

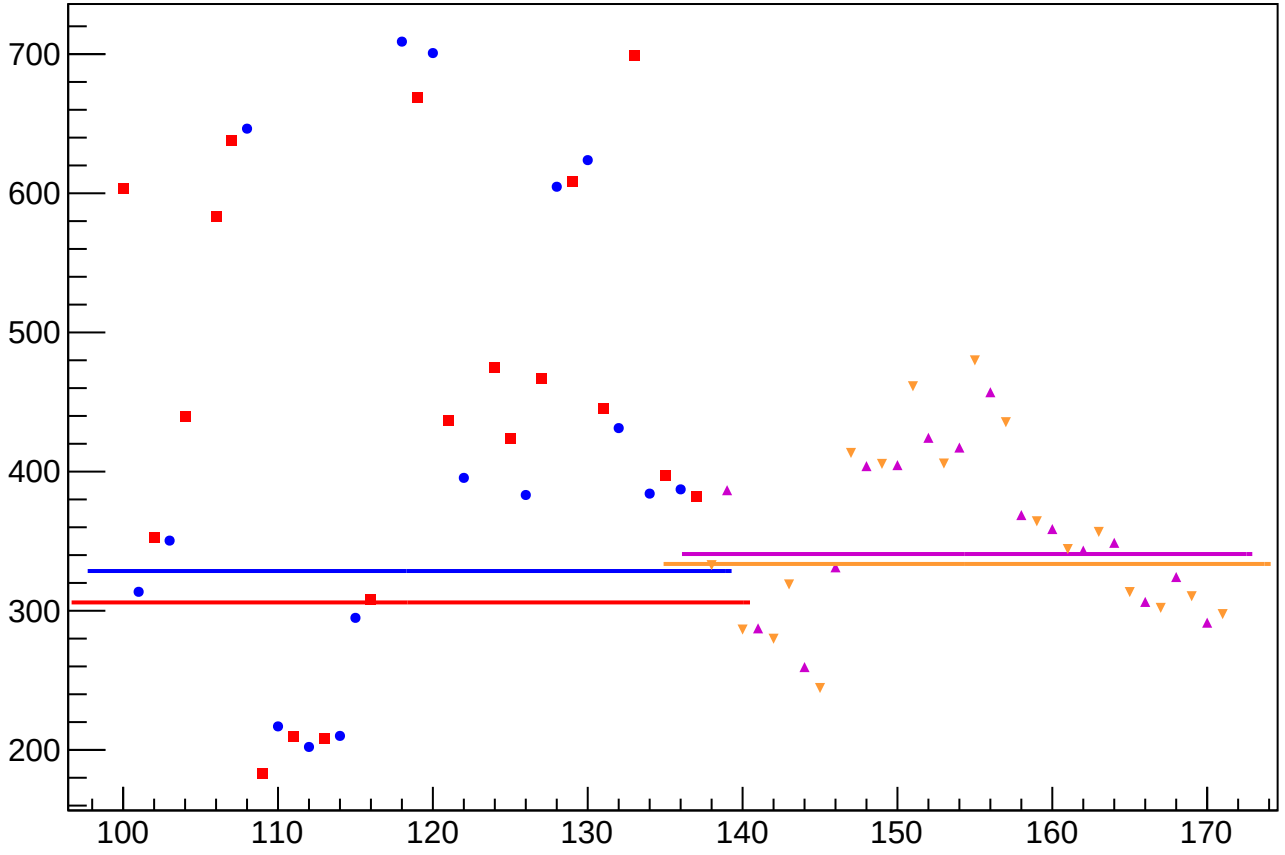
Left In: -137.828+/-95.160 χ^2/NDF:16.1/15

+ sign 365.142+/-74.437 χ^2/NDF: 75.0/33

All: 197.635+/-52.998 χ^2/NDF: 120.2/68

- sign 25.432+/-75.473 χ^2/NDF: 34.9/34

asym_sam7_rms vs Slug



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 333.645+/-0.064 χ^2/NDF:903305.7/17

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

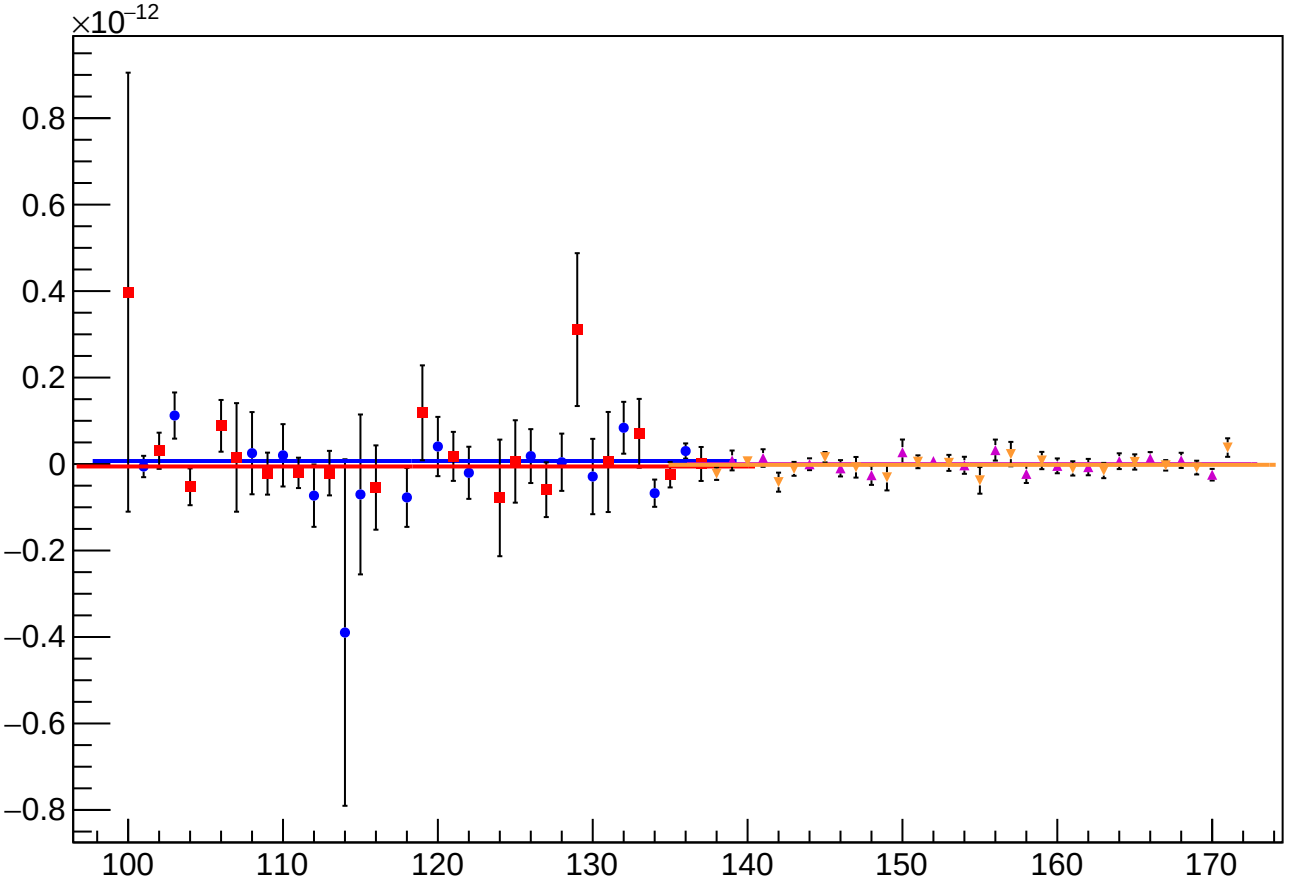
Left In: 340.777+/-0.067 χ^2/NDF:656554.3/15

+ sign 332.028+/-0.053 χ^2/NDF: 2864199.0/33

All: 329.979+/-0.037 χ^2/NDF: 6150448.6/68

- sign 327.872+/-0.053 χ^2/NDF: 3283174.7/34

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:16.6/17

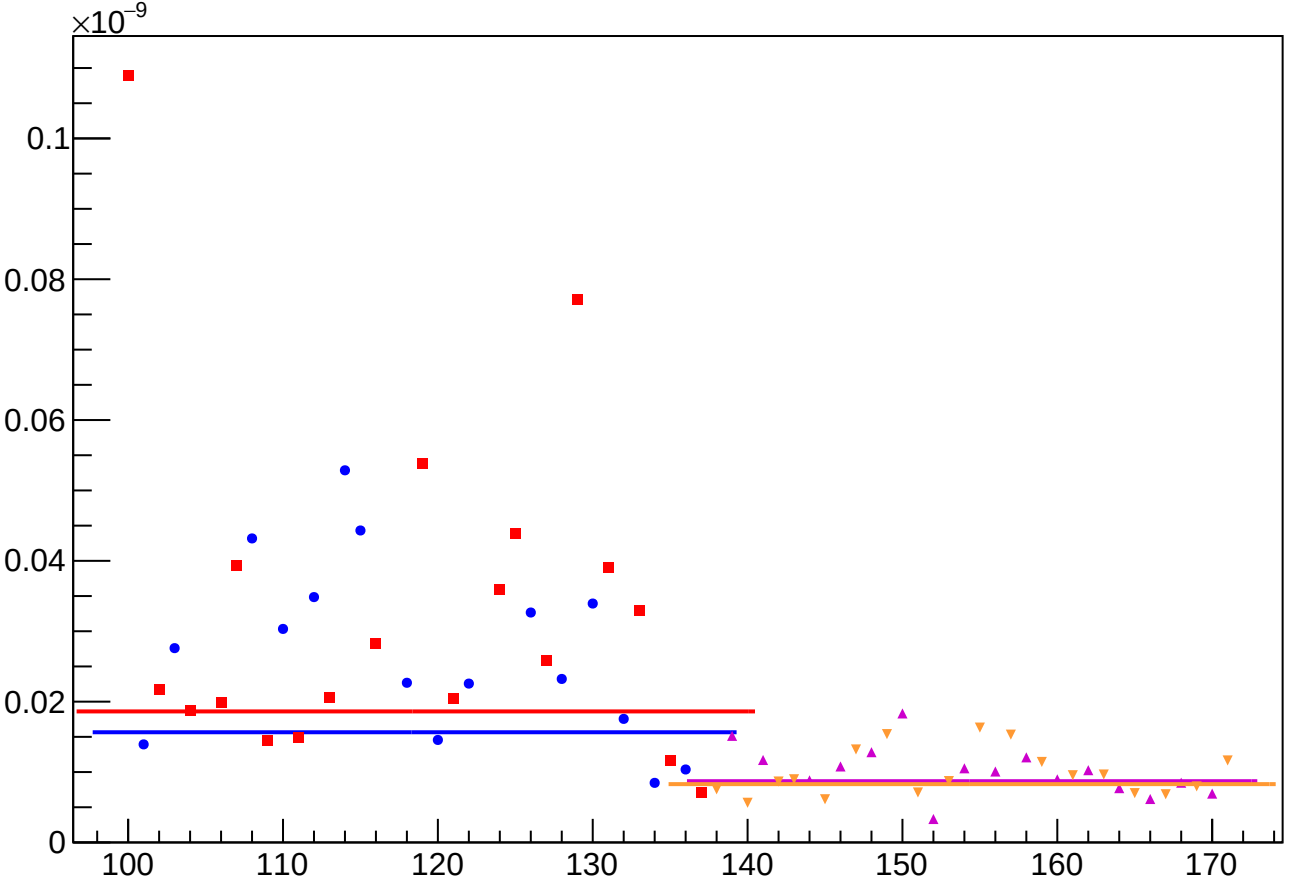
Right Out: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/15

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/33

All: -0.000+/-0.000 χ^2/NDF: 58.9/68

- sign -0.000+/-0.000 χ^2/NDF: 24.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:830720.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

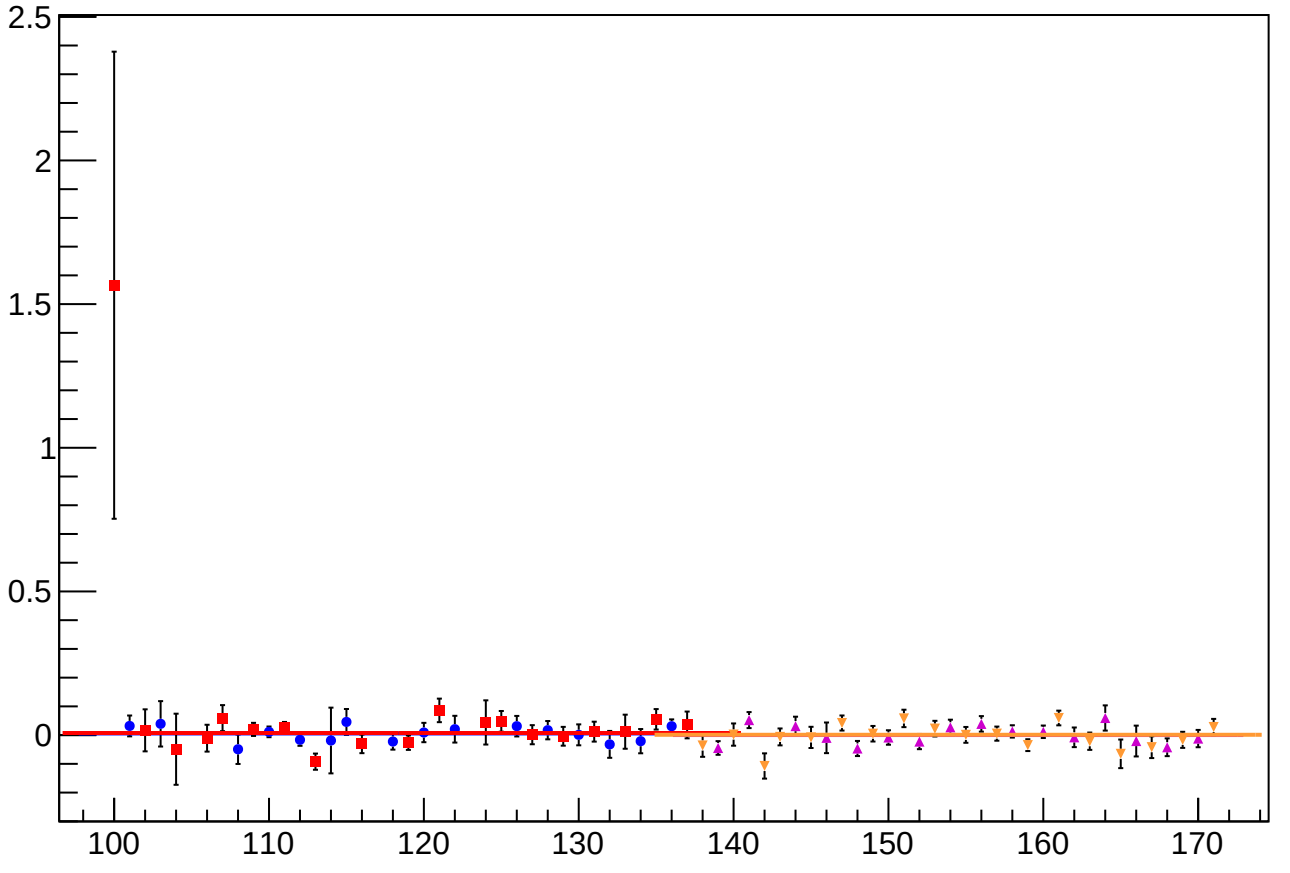
Left In: 0.000+/-0.000 χ^2/NDF:1130857.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 2797252.3/33

All: 0.000+/-0.000 χ^2/NDF: 6248974.0/68

- sign 0.000+/-0.000 χ^2/NDF: 3427699.9/34

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

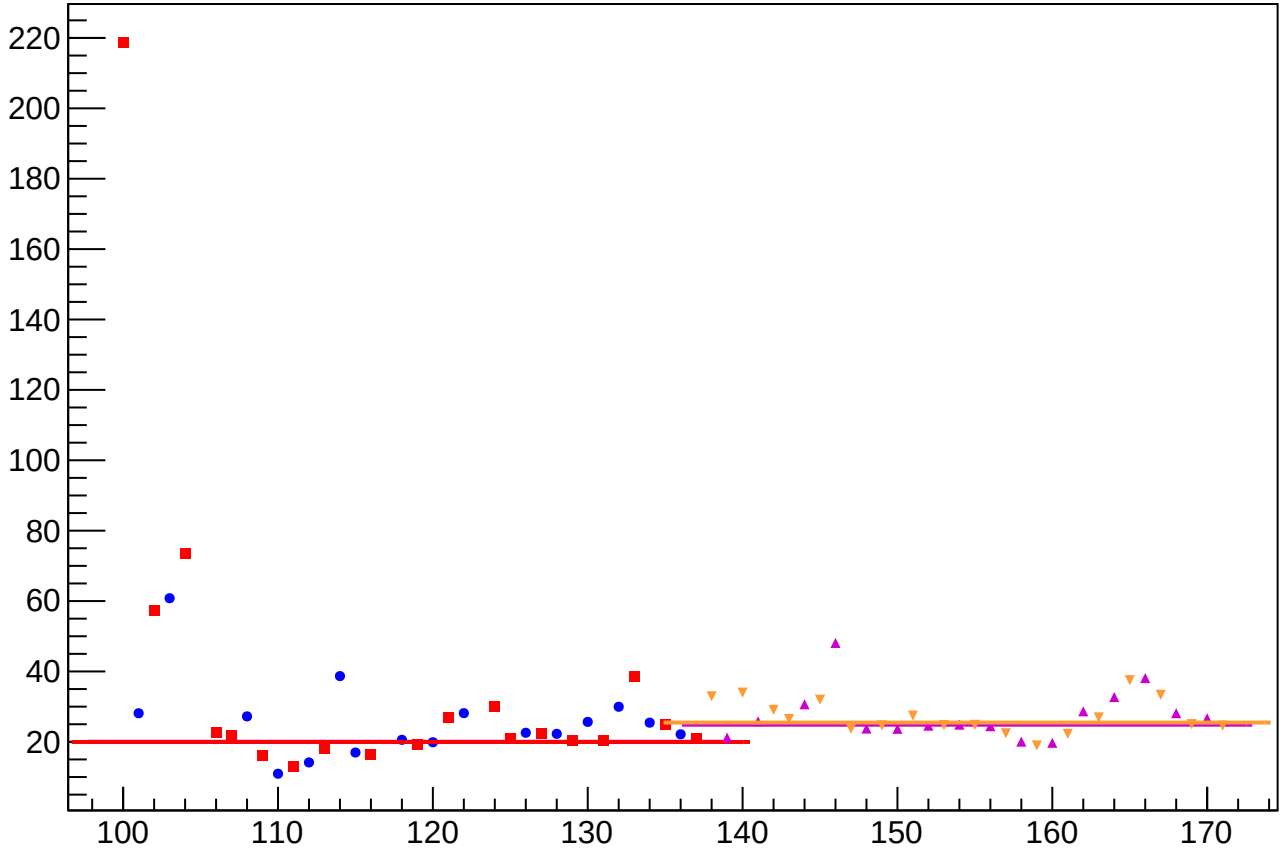
Left In: 0.000+/-0.007 χ^2/NDF:19.8/15

+ sign 0.003+/-0.005 χ^2/NDF: 35.0/33

All: 0.003+/-0.004 χ^2/NDF: 85.1/68

- sign 0.003+/-0.005 χ^2/NDF: 50.0/34

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.474+/-0.005 χ^2/NDF:739893.3/17

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

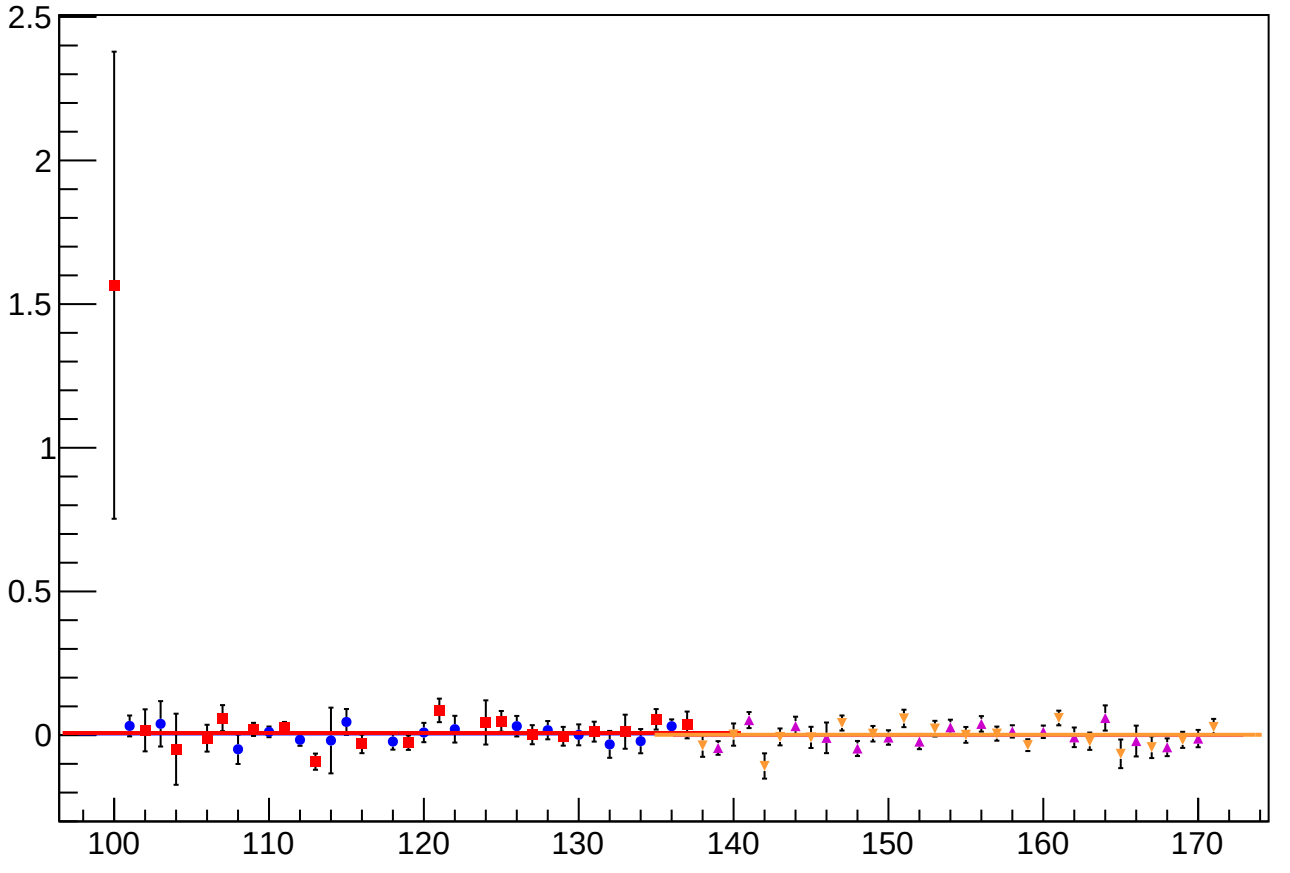
Left In: 24.875+/-0.005 χ^2/NDF:953423.9/15

+ sign 23.166+/-0.004 χ^2/NDF: 2900739.7/33

All: 22.951+/-0.003 χ^2/NDF: 5992937.3/68

- sign 22.732+/-0.004 χ^2/NDF: 3085570.1/34

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

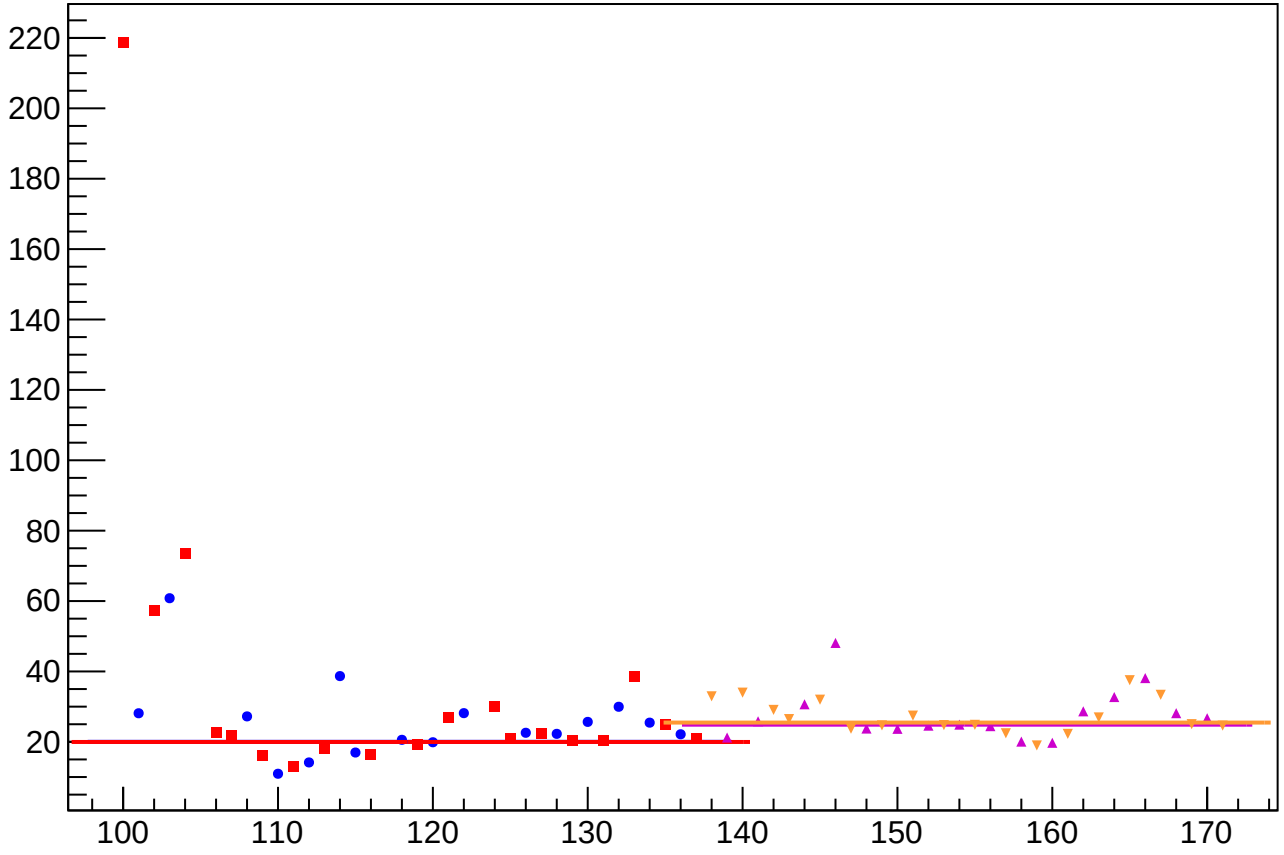
Left In: 0.000+/-0.007 χ^2/NDF:19.8/15

+ sign 0.003+/-0.005 χ^2/NDF: 35.0/33

All: 0.003+/-0.004 χ^2/NDF: 85.1/68

- sign 0.003+/-0.005 χ^2/NDF: 50.0/34

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.474+/-0.005 χ^2/NDF:739893.3/17

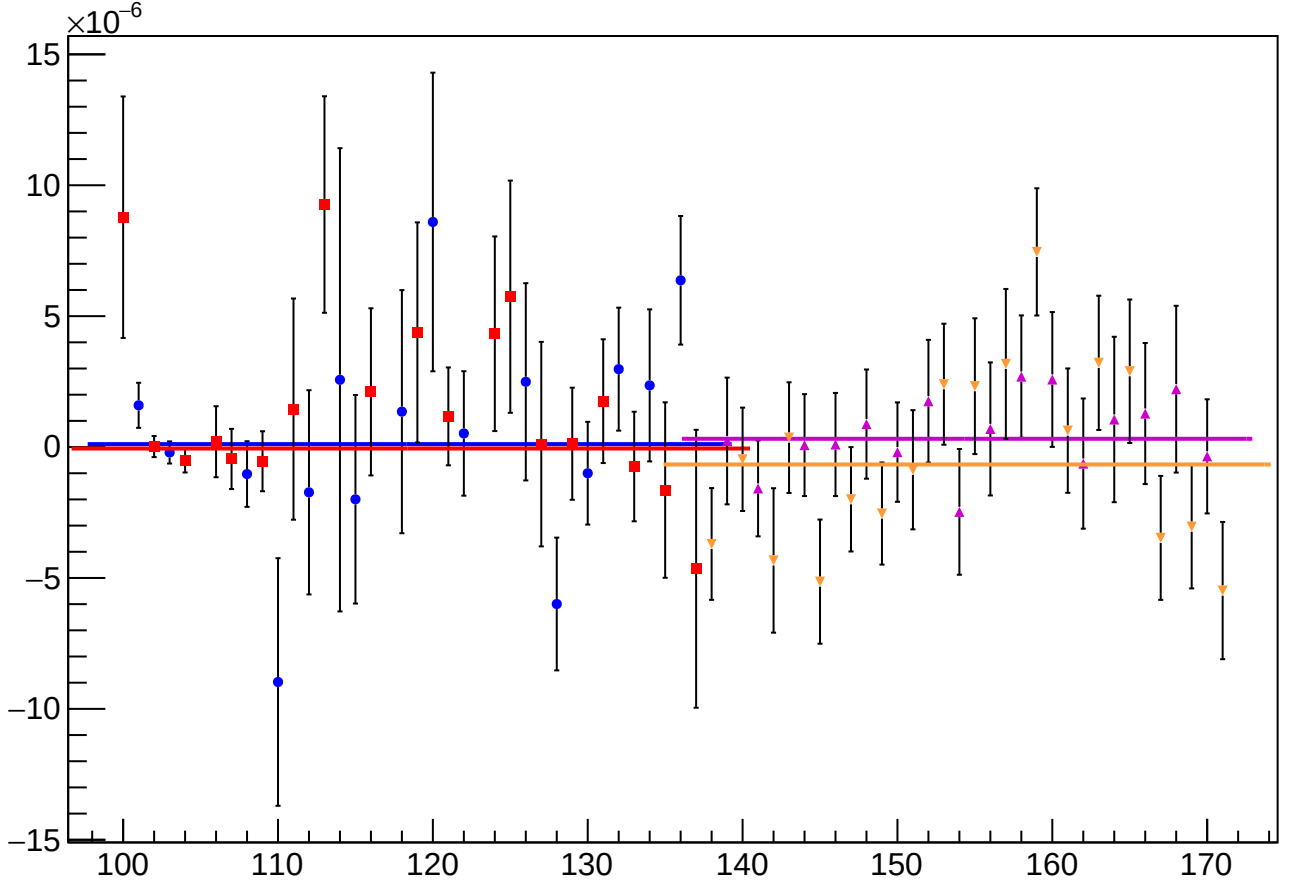
Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.875+/-0.005 χ^2/NDF:953423.9/15

+ sign 23.166+/-0.004 χ^2/NDF: 2900739.7/33

All: 22.951+/-0.003 χ^2/NDF: 5992937.3/68

- sign 22.732+/-0.004 χ^2/NDF: 3085570.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

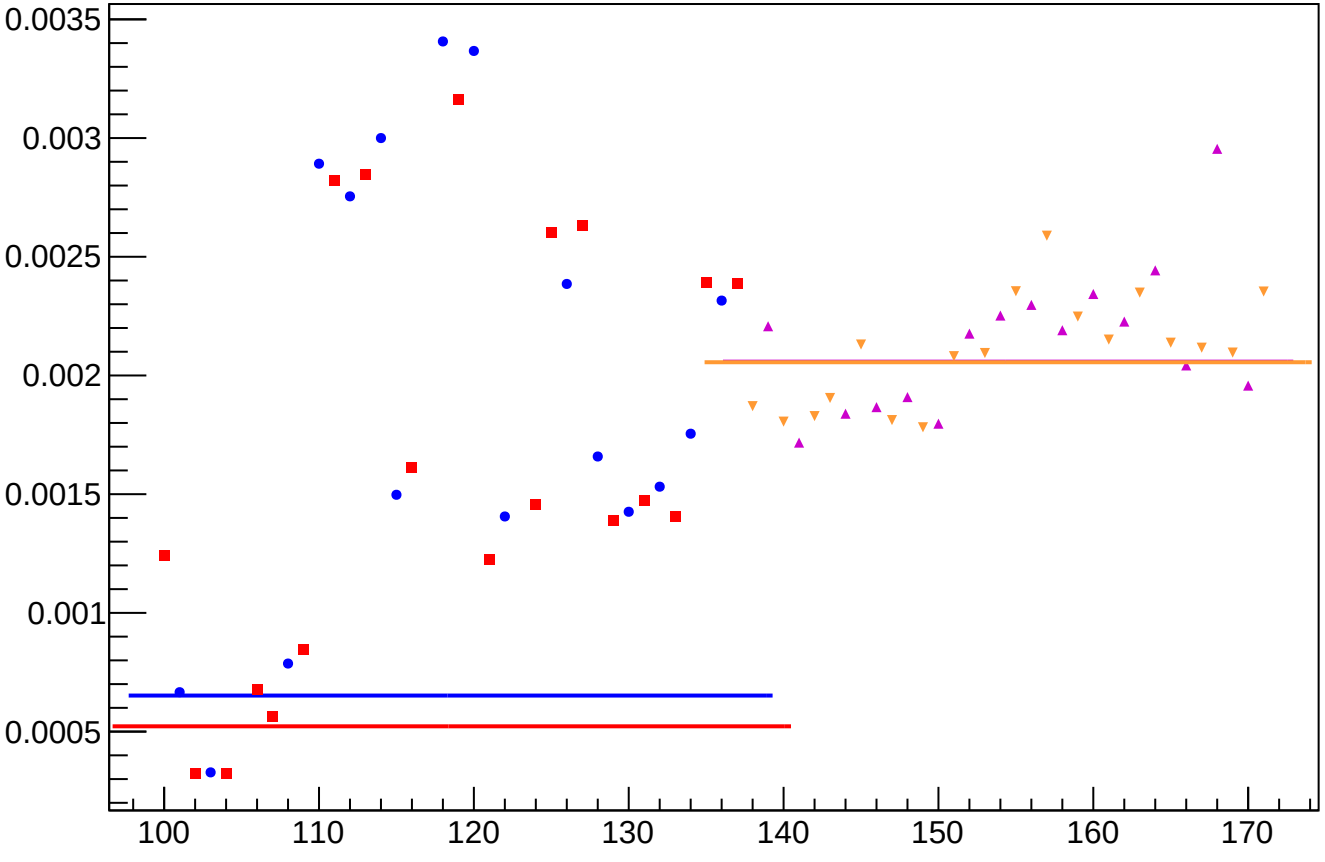
Left In: 0.000+/-0.000 χ^2/NDF:5.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/33

All: -0.000+/-0.000 χ^2/NDF: 85.7/68

- sign 0.000+/-0.000 χ^2/NDF: 23.0/34

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:310427.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

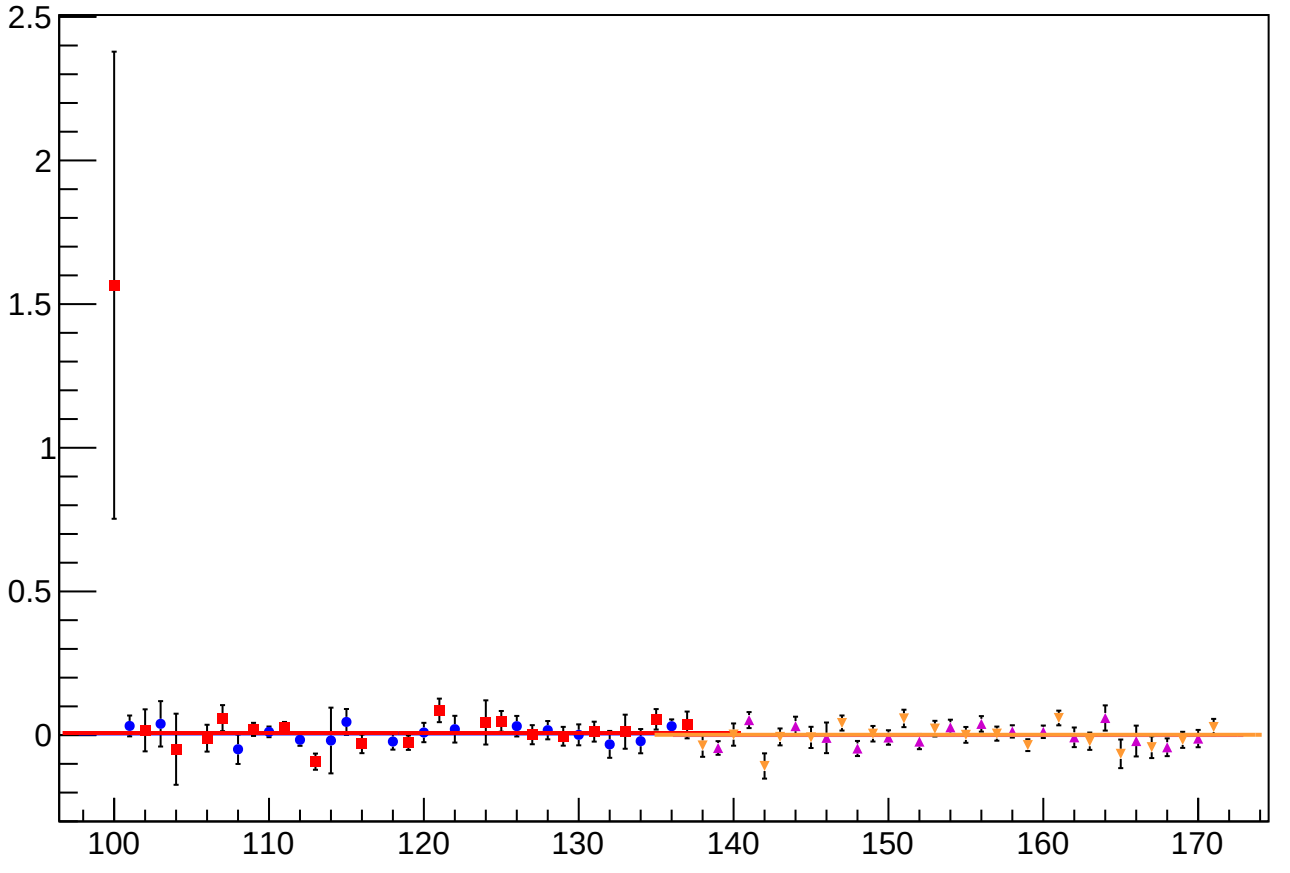
Left In: 0.002+/-0.000 χ^2/NDF:437732.9/15

+ sign 0.001+/-0.000 χ^2/NDF: 16207079.3/33

All: 0.001+/-0.000 χ^2/NDF: 36118684.4/68

- sign 0.001+/-0.000 χ^2/NDF: 19044259.4/34

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

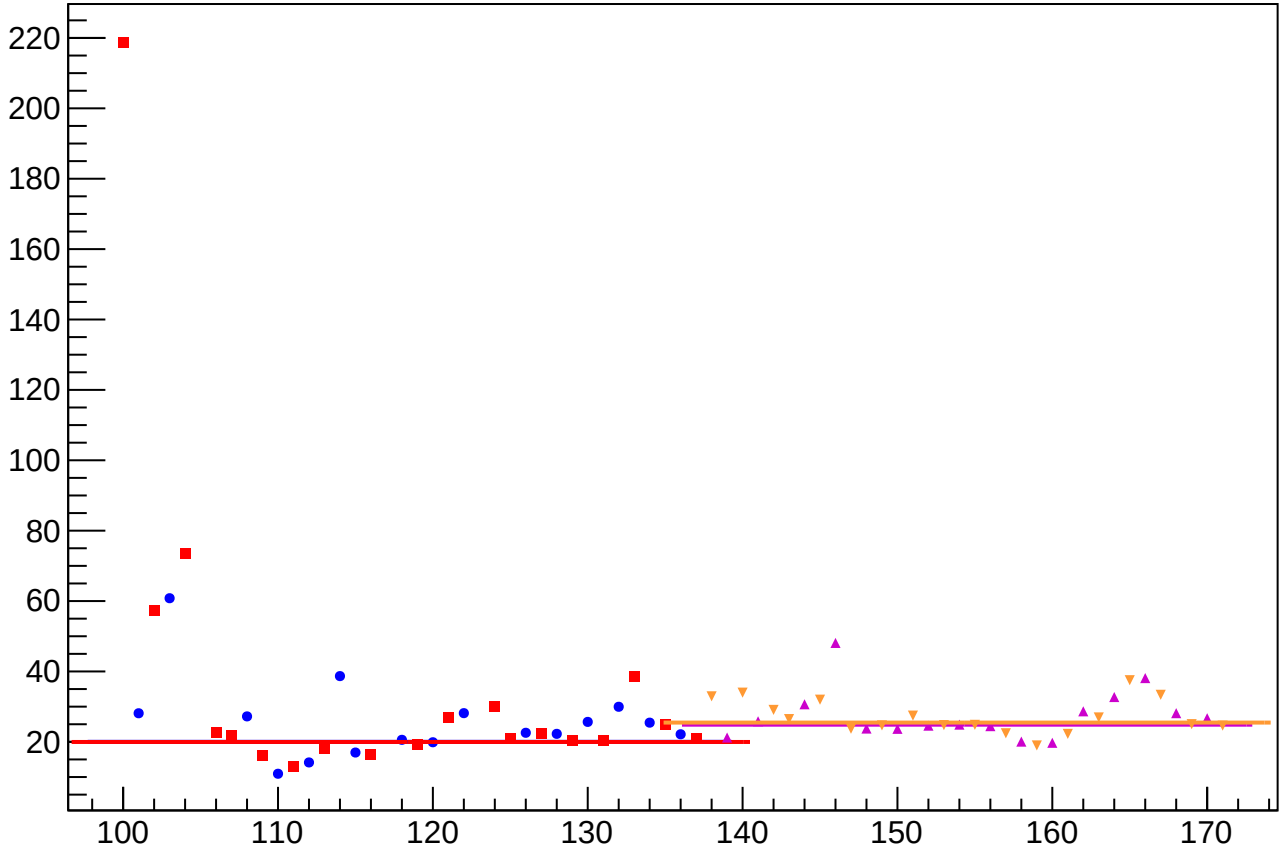
Left In: 0.000+/-0.007 χ^2/NDF:19.8/15

+ sign 0.003+/-0.005 χ^2/NDF: 35.0/33

All: 0.003+/-0.004 χ^2/NDF: 85.1/68

- sign 0.003+/-0.005 χ^2/NDF: 50.0/34

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.474+/-0.005 χ^2/NDF:739935.8/17

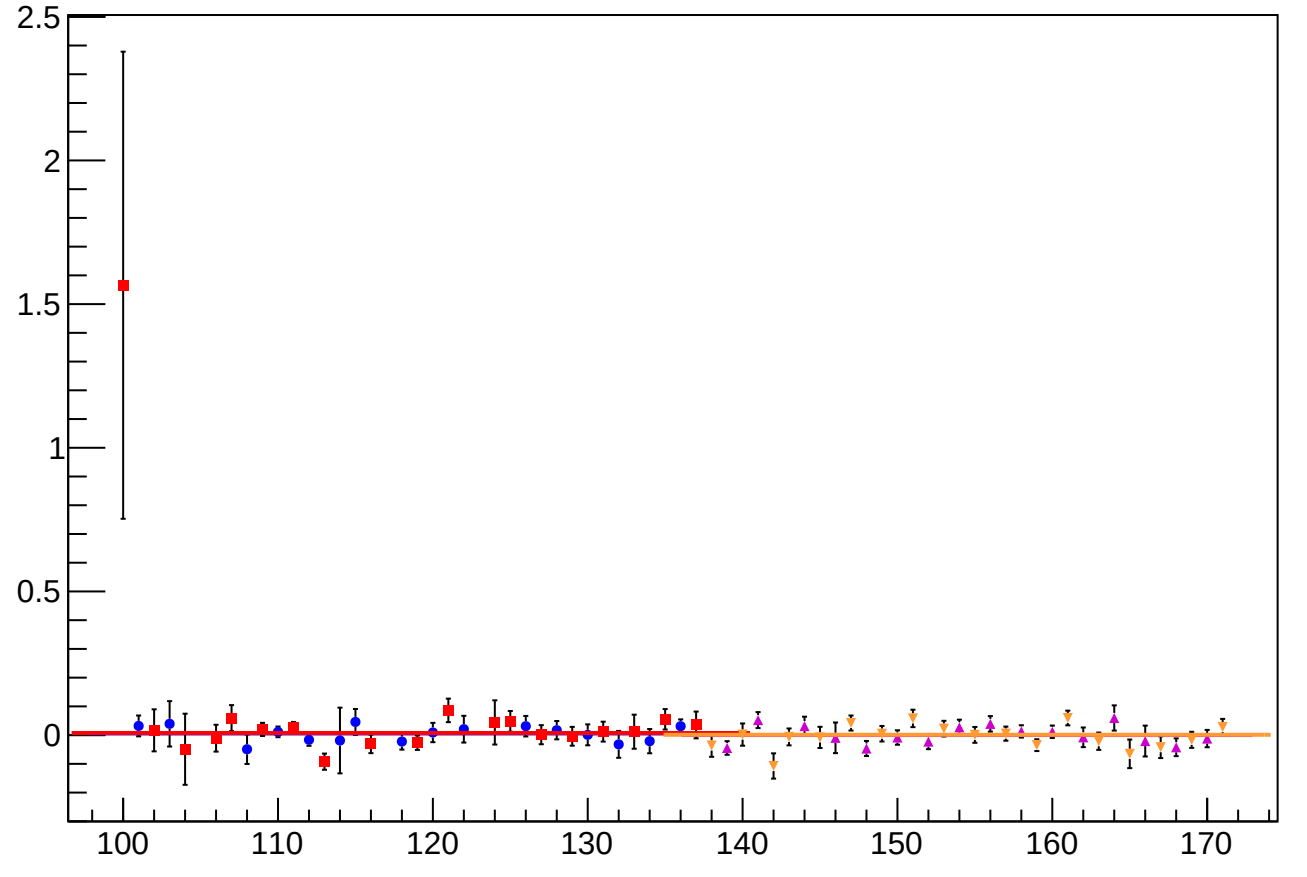
Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.875+/-0.005 χ^2/NDF:953478.0/15

+ sign 23.166+/-0.004 χ^2/NDF: 2900507.1/33

All: 22.951+/-0.003 χ^2/NDF: 5992669.4/68

- sign 22.732+/-0.004 χ^2/NDF: 3085529.1/34



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

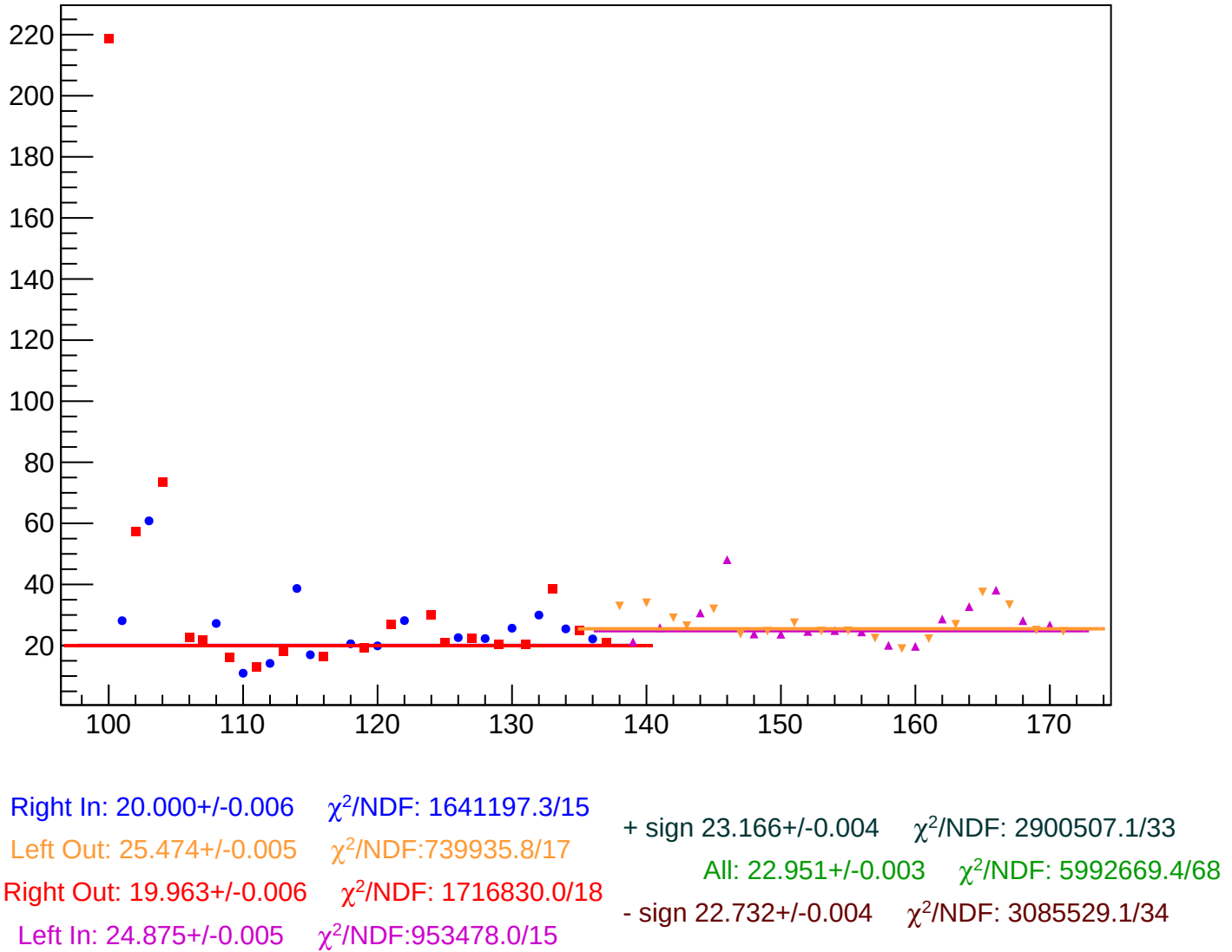
Right Out: 0.007+/-0.008 χ^2/NDF: 29.8/18

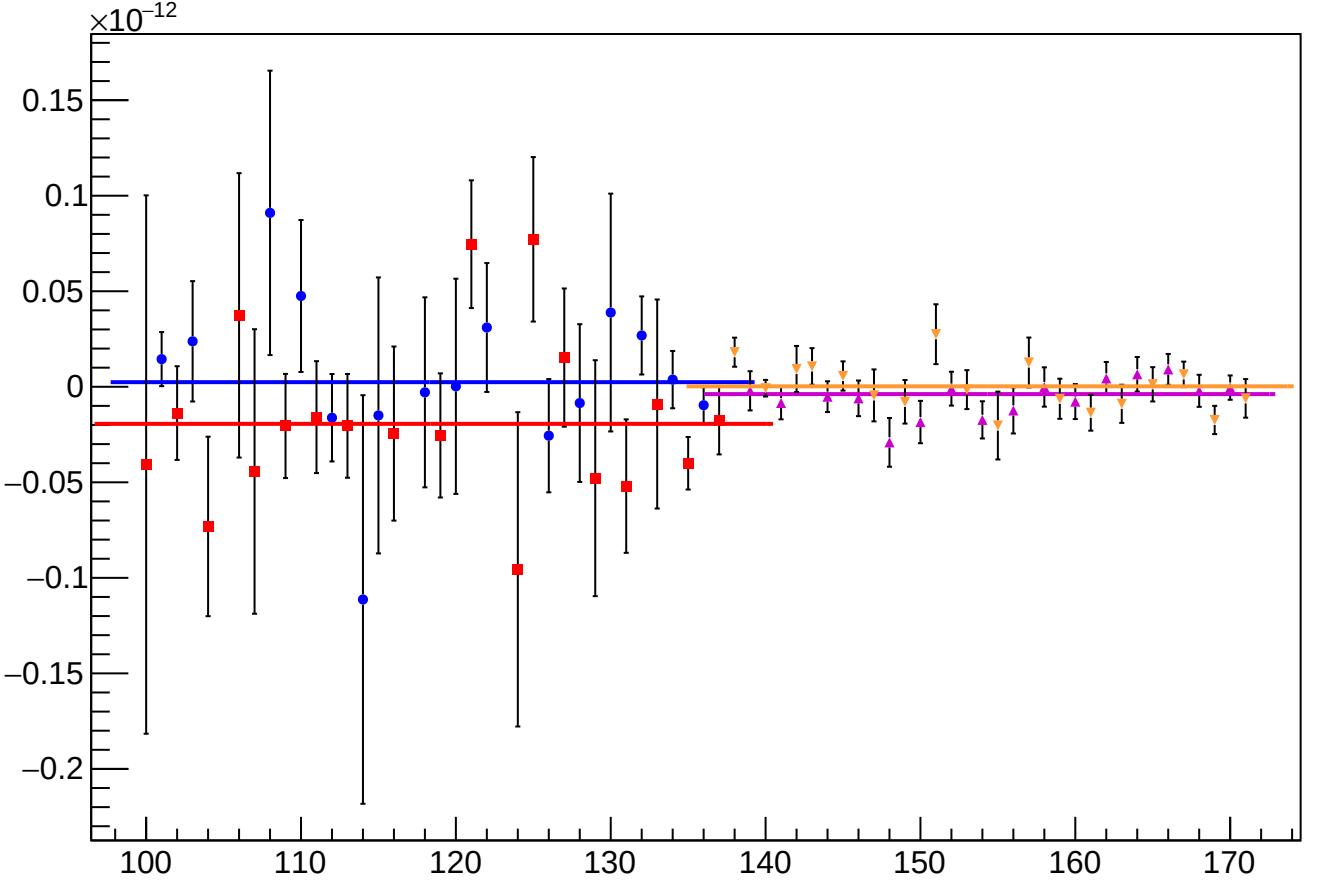
Left In: 0.000+/-0.007 χ^2/NDF:19.8/15

+ sign 0.003+/-0.005 χ^2/NDF: 35.0/33

All: 0.003+/-0.004 χ^2/NDF: 85.1/68

- sign 0.003+/-0.005 χ^2/NDF: 50.0/34


asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug
220
200
180
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.000+/-0.006 χ²/NDF: 1641197.3/15
Left Out: 25.474+/-0.005 χ²/NDF:739935.8/17
Right Out: 19.963+/-0.006 χ²/NDF: 1716830.0/18
Left In: 24.875+/-0.005 χ²/NDF:953478.0/15
+ sign 23.166+/-0.004 χ²/NDF: 2900507.1/33
All: 22.951+/-0.003 χ²/NDF: 5992669.4/68
- sign 22.732+/-0.004 χ²/NDF: 3085529.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/17

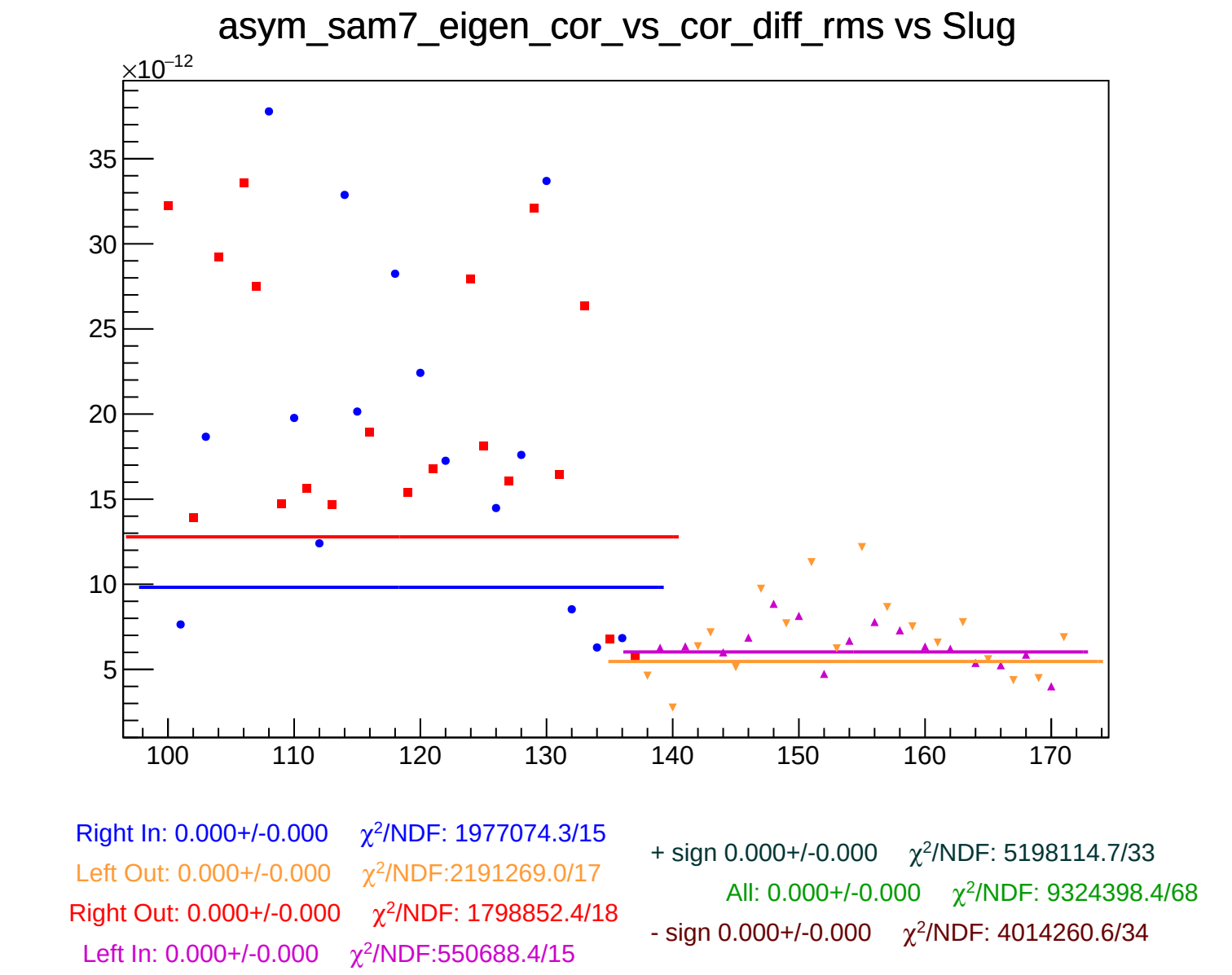
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/15

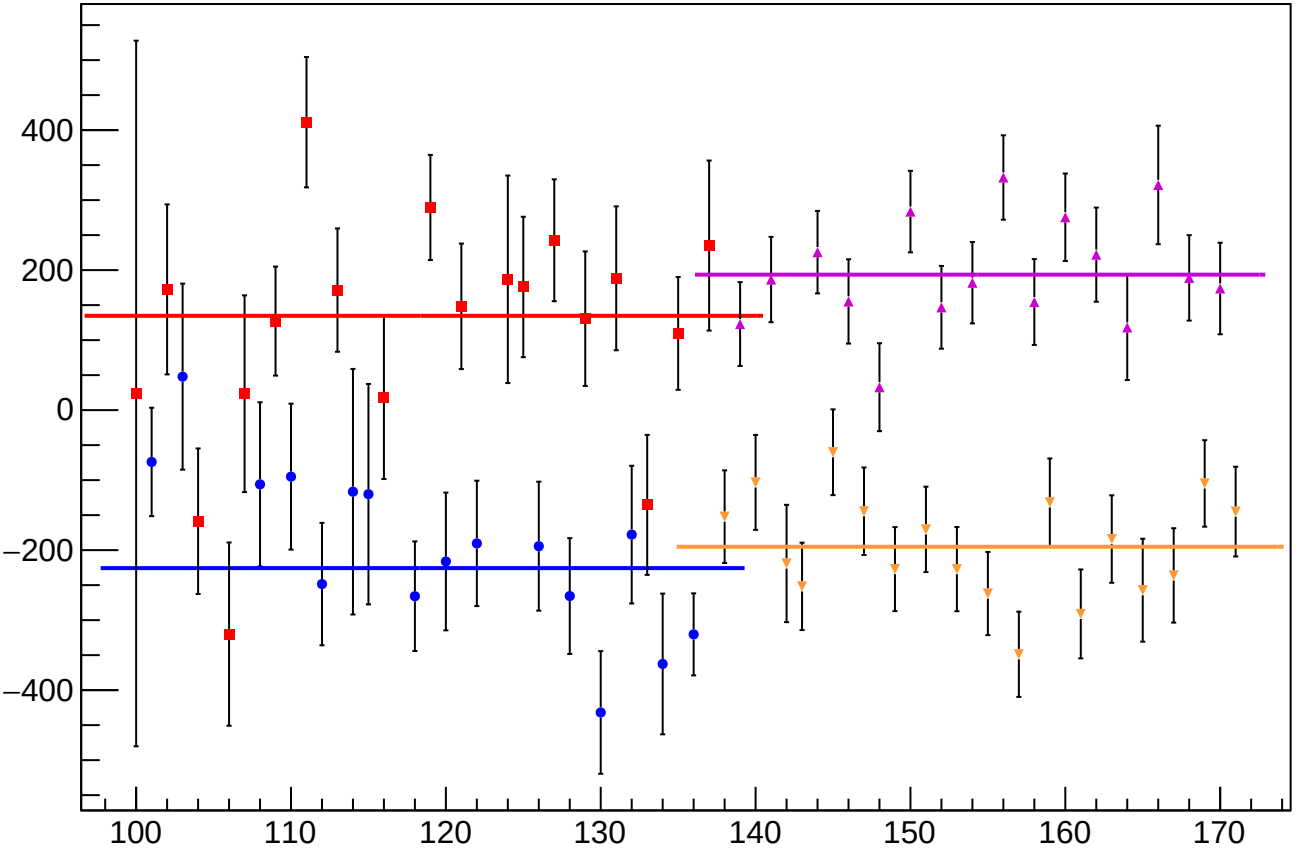
+ sign 0.000+/-0.000 χ^2/NDF: 35.1/33

All: -0.000+/-0.000 χ^2/NDF: 77.7/68

- sign -0.000+/-0.000 χ^2/NDF: 38.7/34


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2191269.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:550688.4/15
+ sign 0.000+/-0.000 χ²/NDF: 5198114.7/33
All: 0.000+/-0.000 χ²/NDF: 9324398.4/68
- sign 0.000+/-0.000 χ²/NDF: 4014260.6/34

reg_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -195.162+/-15.056 χ^2/NDF:24.2/17

Right Out: 134.762+/-23.192 χ^2/NDF: 45.3/18

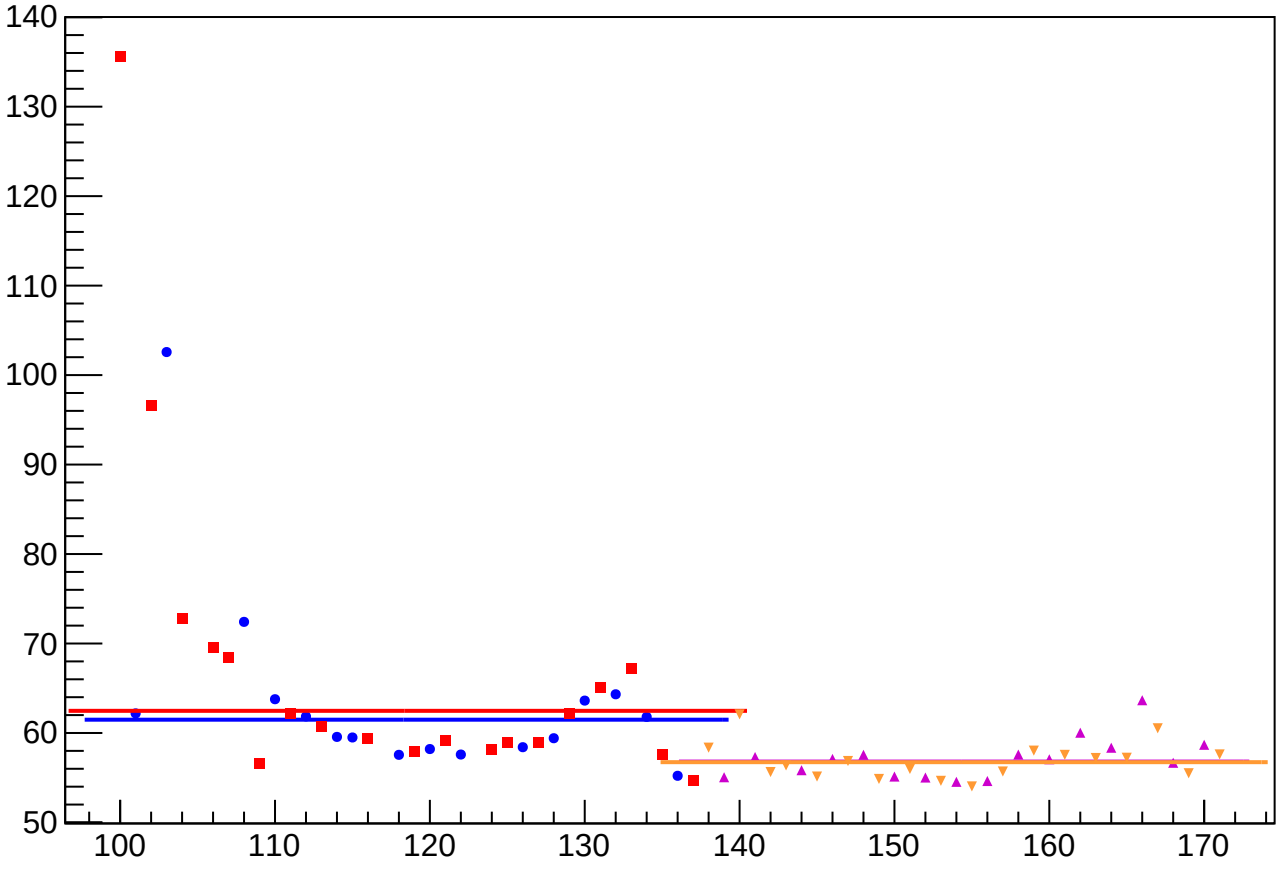
Left In: 193.514+/-15.655 χ^2/NDF:22.7/15

+ sign -204.254+/-12.616 χ^2/NDF: 48.0/33

All: -19.893+/-9.045 χ^2/NDF: 559.9/68

- sign 175.123+/-12.976 χ^2/NDF: 72.4/34

reg_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

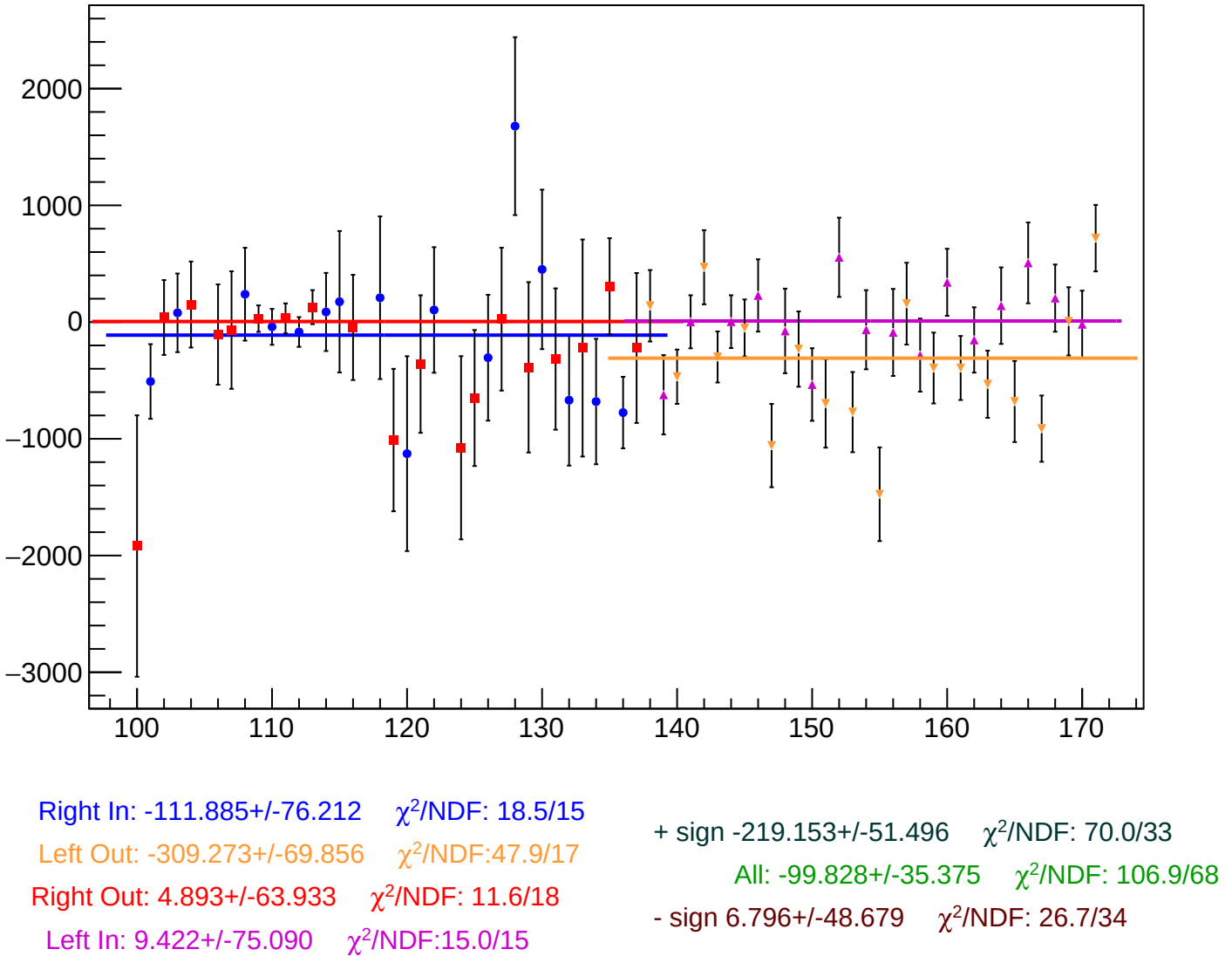
Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

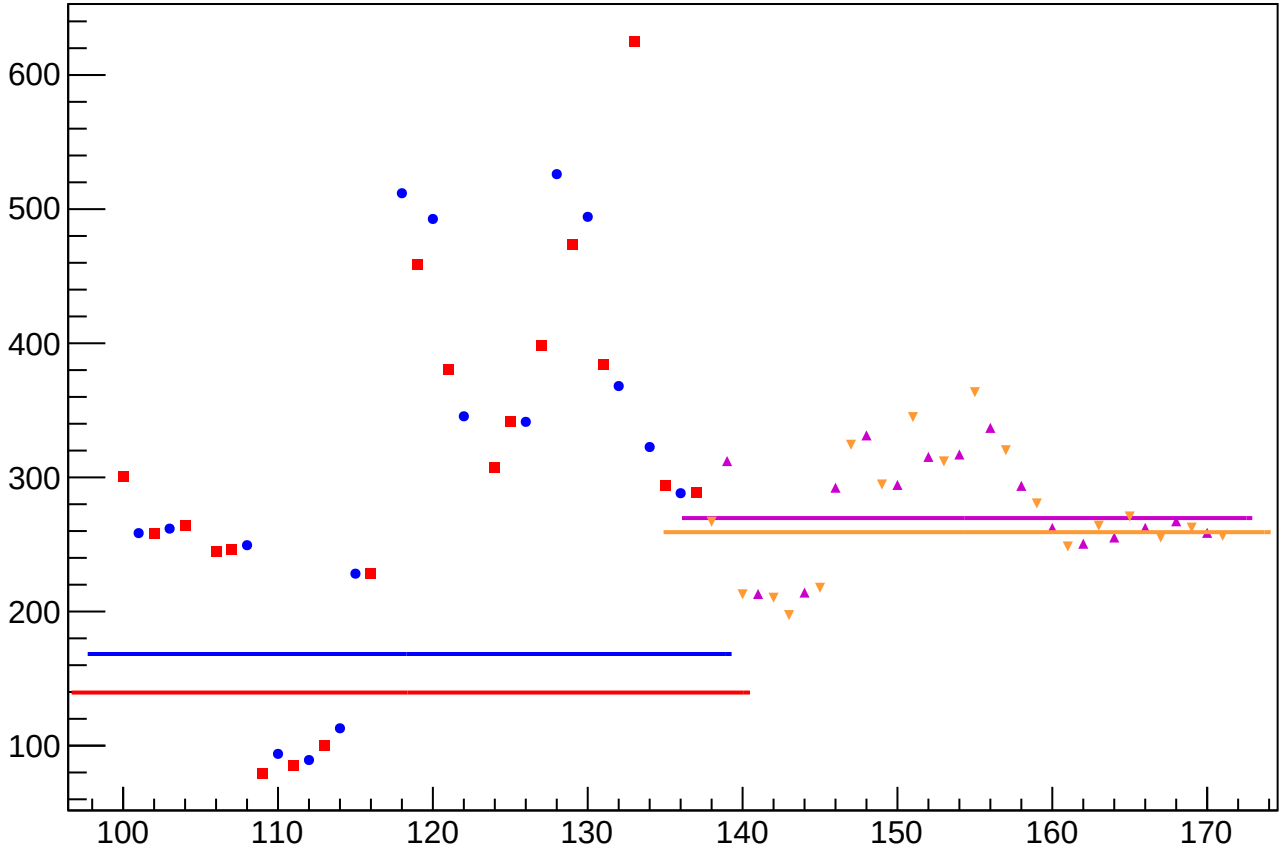
+ sign 58.152+/-0.009 χ^2/NDF: 343604.5/33

All: 58.360+/-0.006 χ^2/NDF: 740439.2/68

- sign 58.580+/-0.009 χ^2/NDF: 395716.3/34


asym_sam8_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -111.885+/-76.212 χ²/NDF: 18.5/15
Left Out: -309.273+/-69.856 χ²/NDF:47.9/17
Right Out: 4.893+/-63.933 χ²/NDF: 11.6/18
Left In: 9.422+/-75.090 χ²/NDF:15.0/15
+ sign -219.153+/-51.496 χ²/NDF: 70.0/33
All: -99.828+/-35.375 χ²/NDF: 106.9/68
- sign 6.796+/-48.679 χ²/NDF: 26.7/34

asym_sam8_reg_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798816.8/17

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

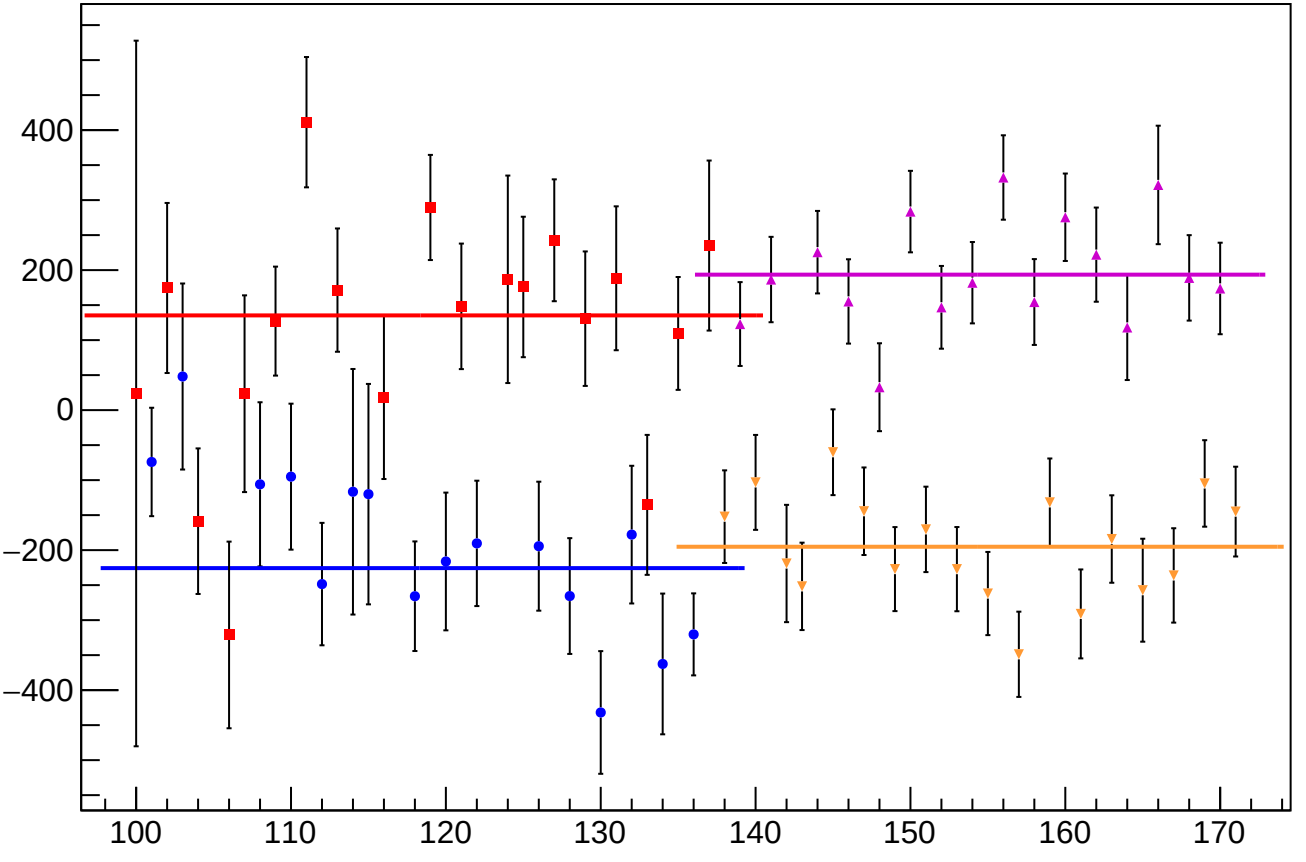
Left In: 269.678+/-0.053 χ^2/NDF:527403.8/15

+ sign 217.697+/-0.036 χ^2/NDF: 6887097.6/33

All: 205.321+/-0.025 χ^2/NDF: 16267201.0/68

- sign 194.263+/-0.034 χ^2/NDF: 9161379.3/34

cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -195.160+/-15.056 χ^2/NDF:24.2/17

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

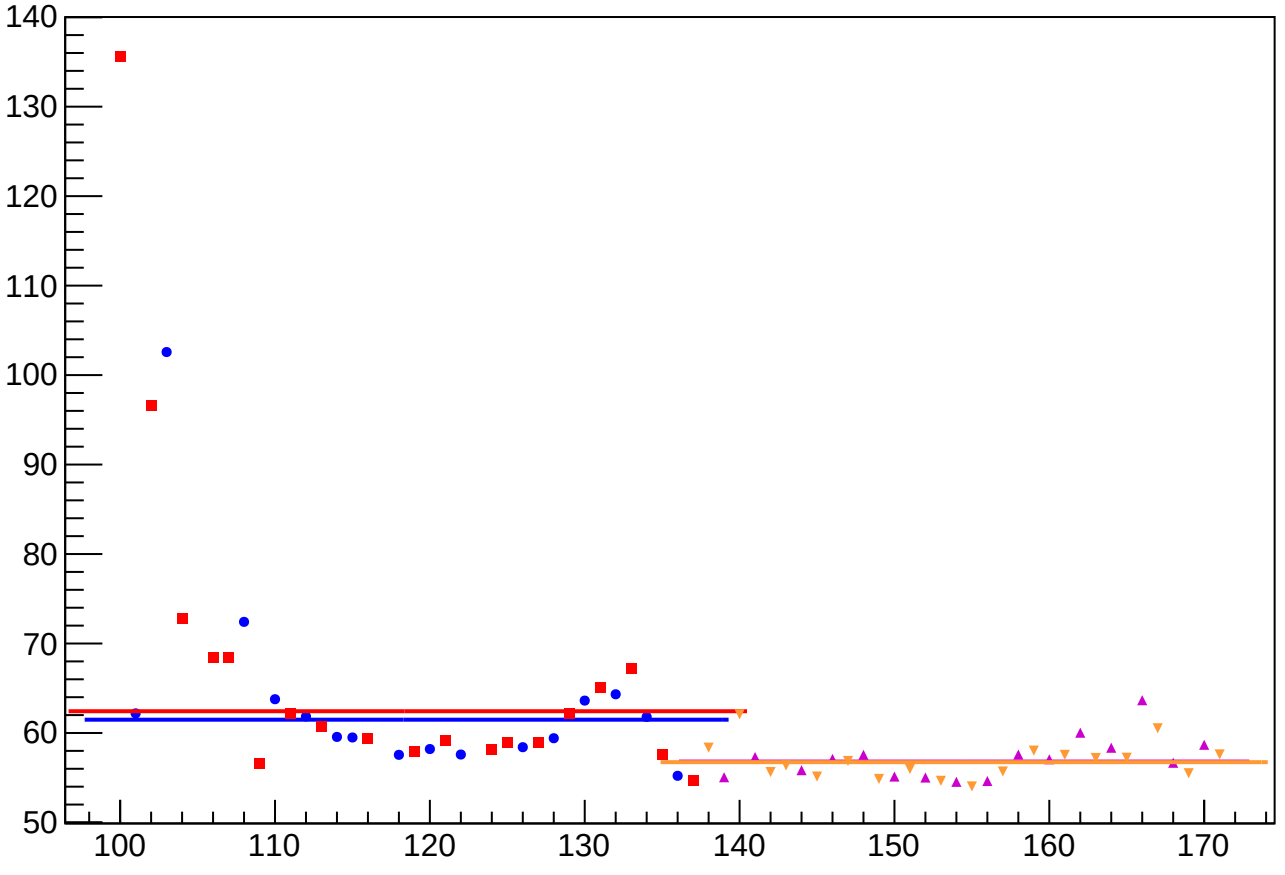
Left In: 193.517+/-15.655 χ^2/NDF:22.7/15

+ sign -204.253+/-12.616 χ^2/NDF: 48.0/33

All: -19.835+/-9.046 χ^2/NDF: 559.8/68

- sign 175.311+/-12.978 χ^2/NDF: 71.9/34

cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

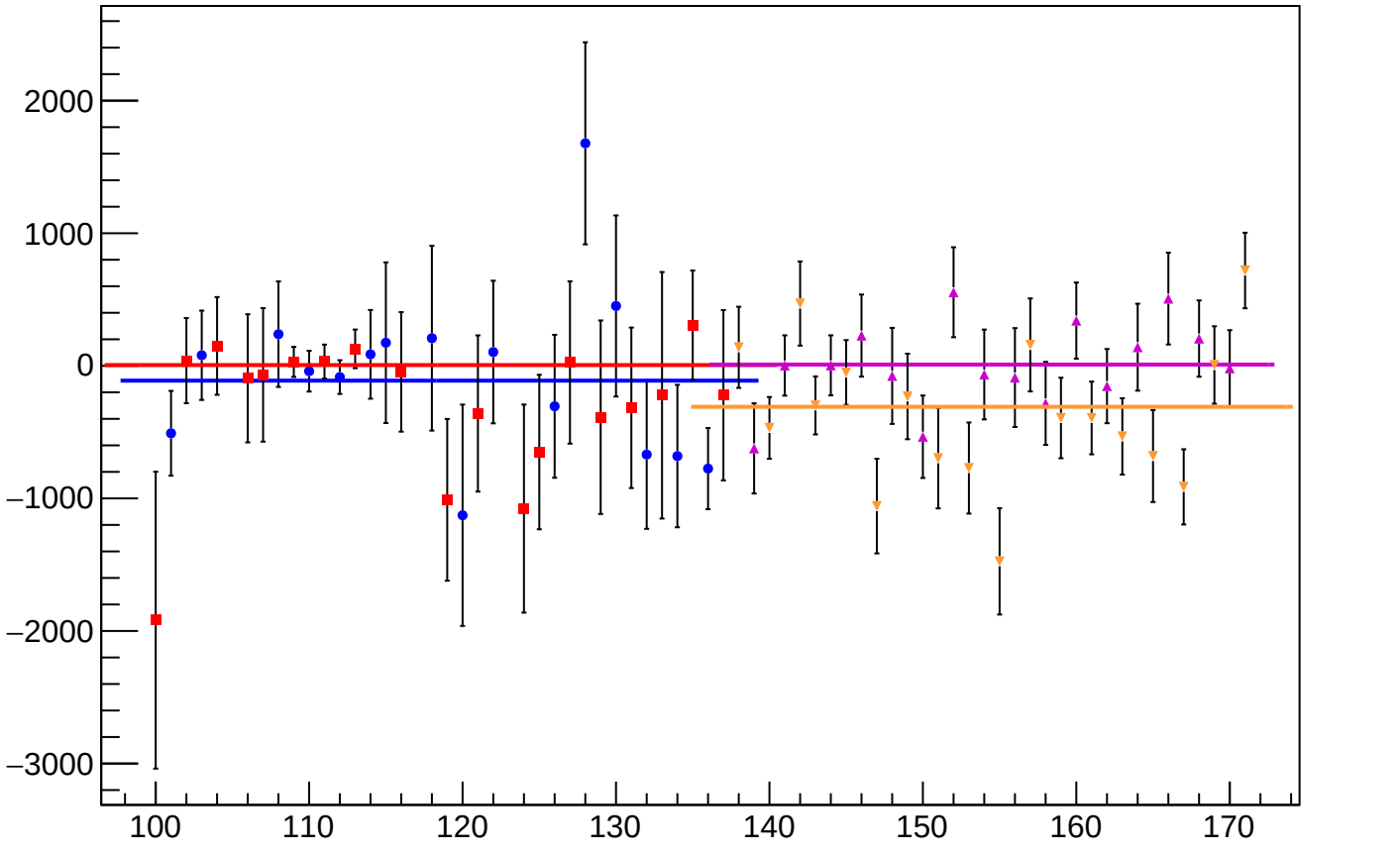
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

+ sign 58.152+/-0.009 χ^2/NDF: 343607.1/33

All: 58.353+/-0.006 χ^2/NDF: 737318.1/68

- sign 58.565+/-0.009 χ^2/NDF: 392669.2/34



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -309.270+/-69.856 χ^2/NDF:47.9/17

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

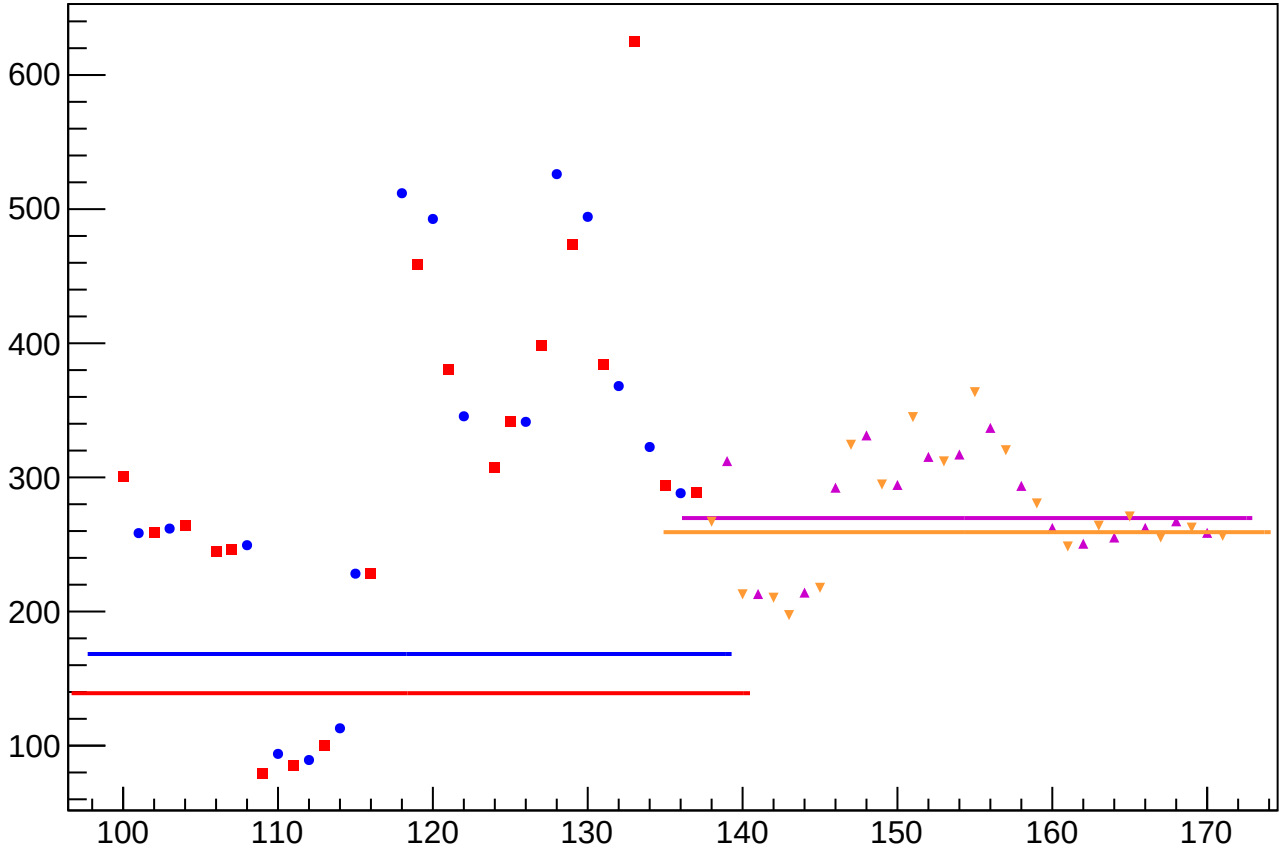
Left In: 9.426+/-75.090 χ^2/NDF:15.0/15

+ sign -219.143+/-51.496 χ^2/NDF: 70.0/33

All: -99.754+/-35.401 χ^2/NDF: 106.9/68

- sign 7.222+/-48.746 χ^2/NDF: 26.6/34

asym_sam8_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798821.4/17

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

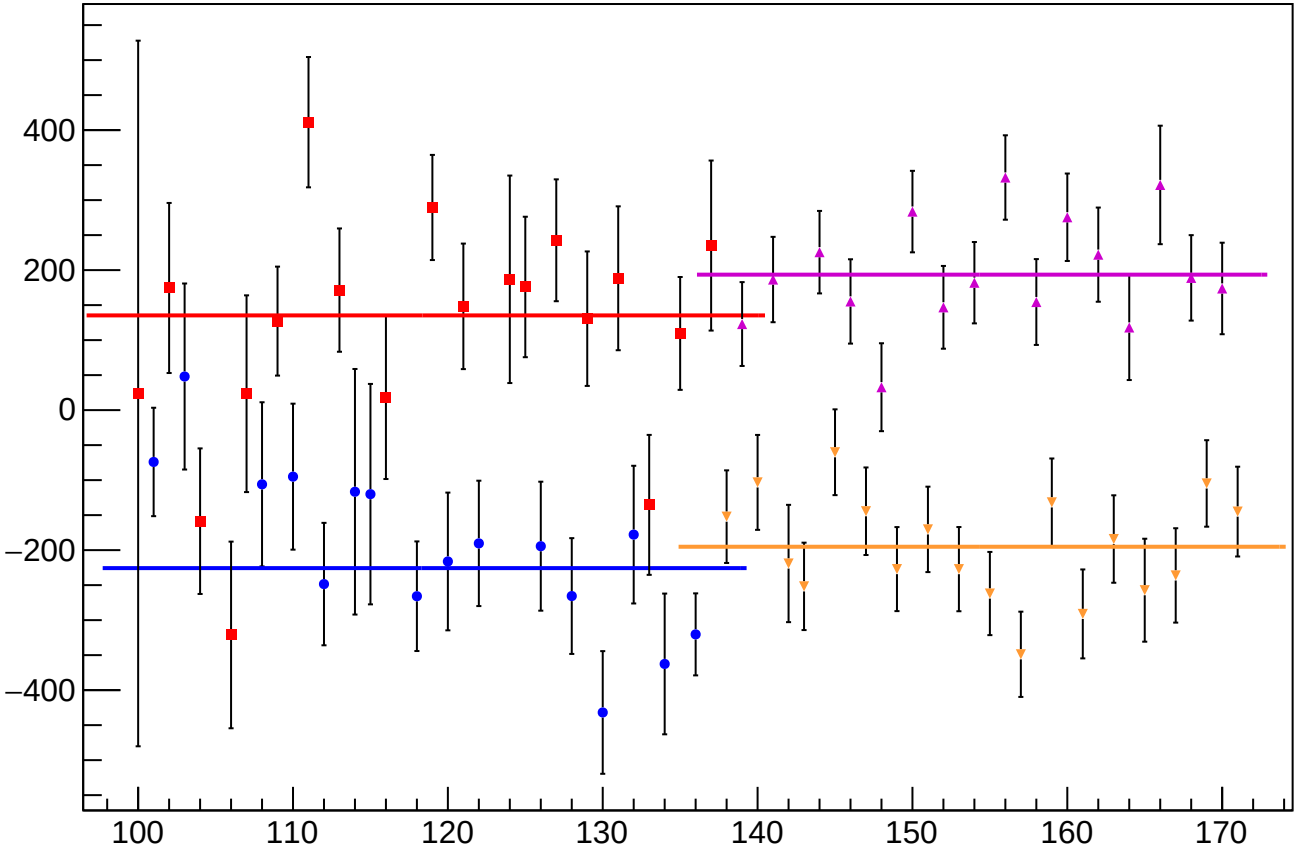
Left In: 269.678+/-0.053 χ^2/NDF:527402.6/15

+ sign 217.697+/-0.036 χ^2/NDF: 6887132.6/33

All: 205.268+/-0.025 χ^2/NDF: 16264474.2/68

- sign 194.131+/-0.034 χ^2/NDF: 9156427.7/34

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -195.160+/-15.056 χ^2/NDF:24.2/17

Right Out: 135.311+/-23.205 χ^2/NDF: 44.9/18

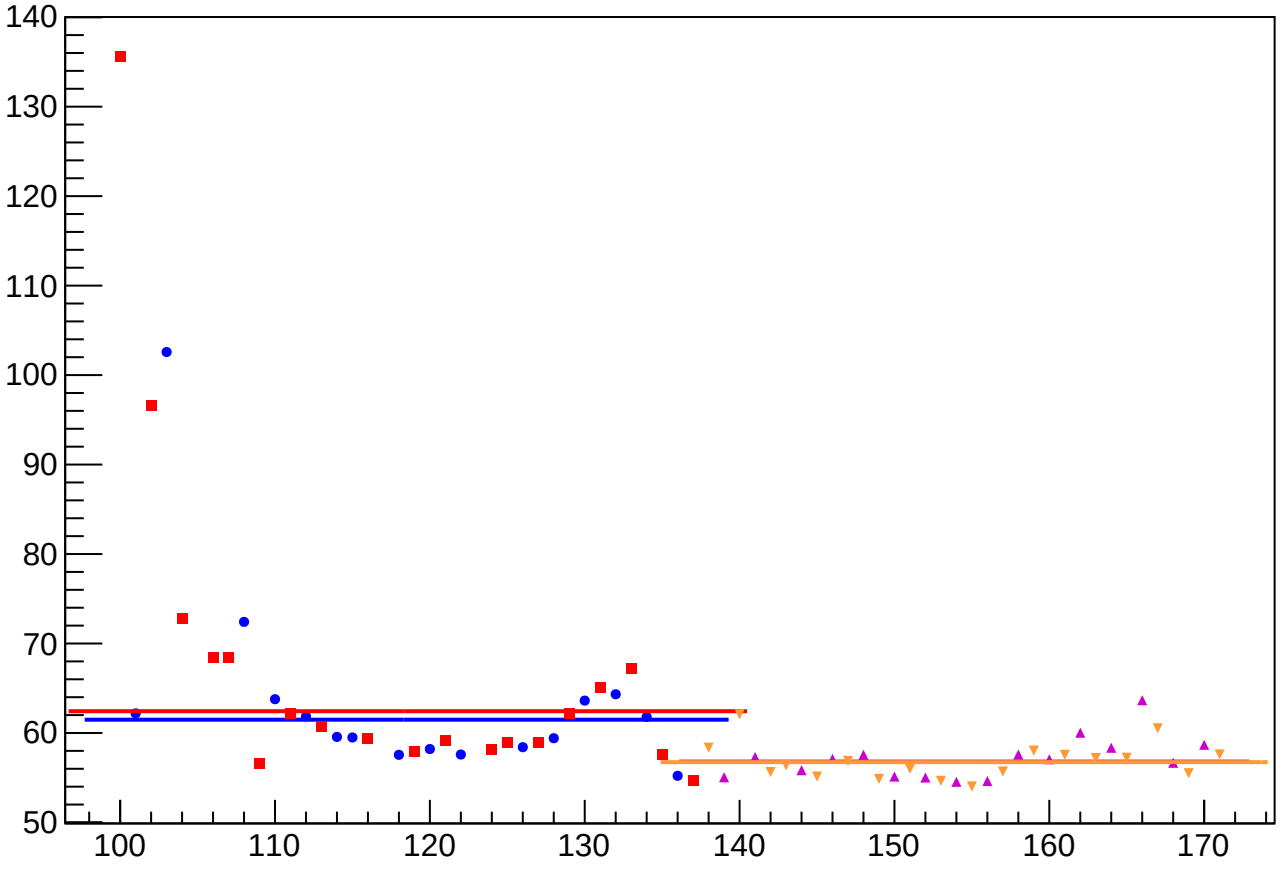
Left In: 193.517+/-15.655 χ^2/NDF:22.7/15

\+ sign -204.253+/-12.616 χ^2/NDF: 48.0/33

All: -19.835+/-9.046 χ^2/NDF: 559.8/68

\- sign 175.311+/-12.978 χ^2/NDF: 71.9/34

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

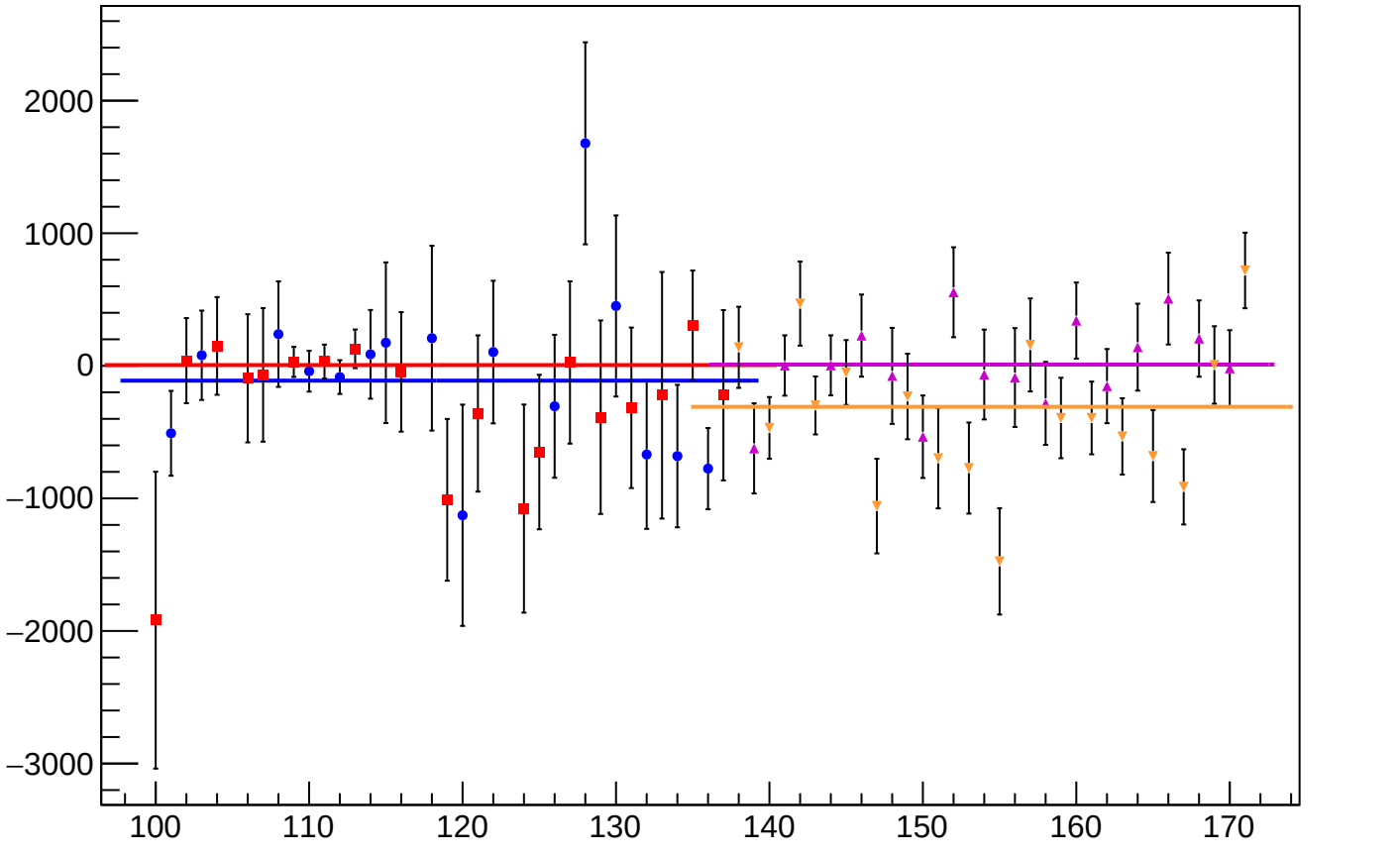
Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.805+/-0.011 χ^2/NDF:32419.3/15

+ sign 58.152+/-0.009 χ^2/NDF: 343607.1/33

All: 58.353+/-0.006 χ^2/NDF: 737318.1/68

- sign 58.565+/-0.009 χ^2/NDF: 392669.2/34



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -309.270+/-69.856 χ^2/NDF:47.9/17

Right Out: 5.616+/-64.085 χ^2/NDF: 11.6/18

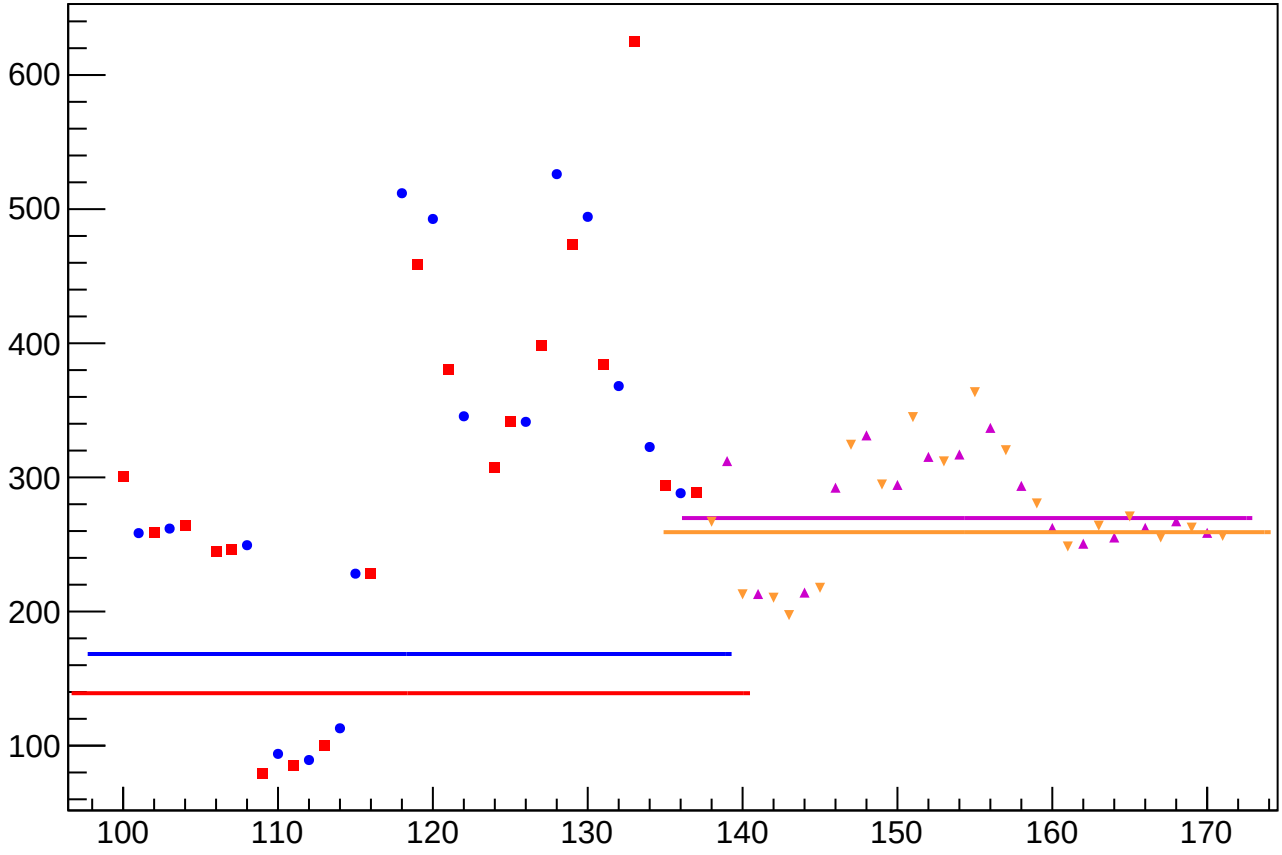
Left In: 9.426+/-75.090 χ^2/NDF:15.0/15

+ sign -219.143+/-51.496 χ^2/NDF: 70.0/33

All: -99.754+/-35.401 χ^2/NDF: 106.9/68

- sign 7.222+/-48.746 χ^2/NDF: 26.6/34

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798821.4/17

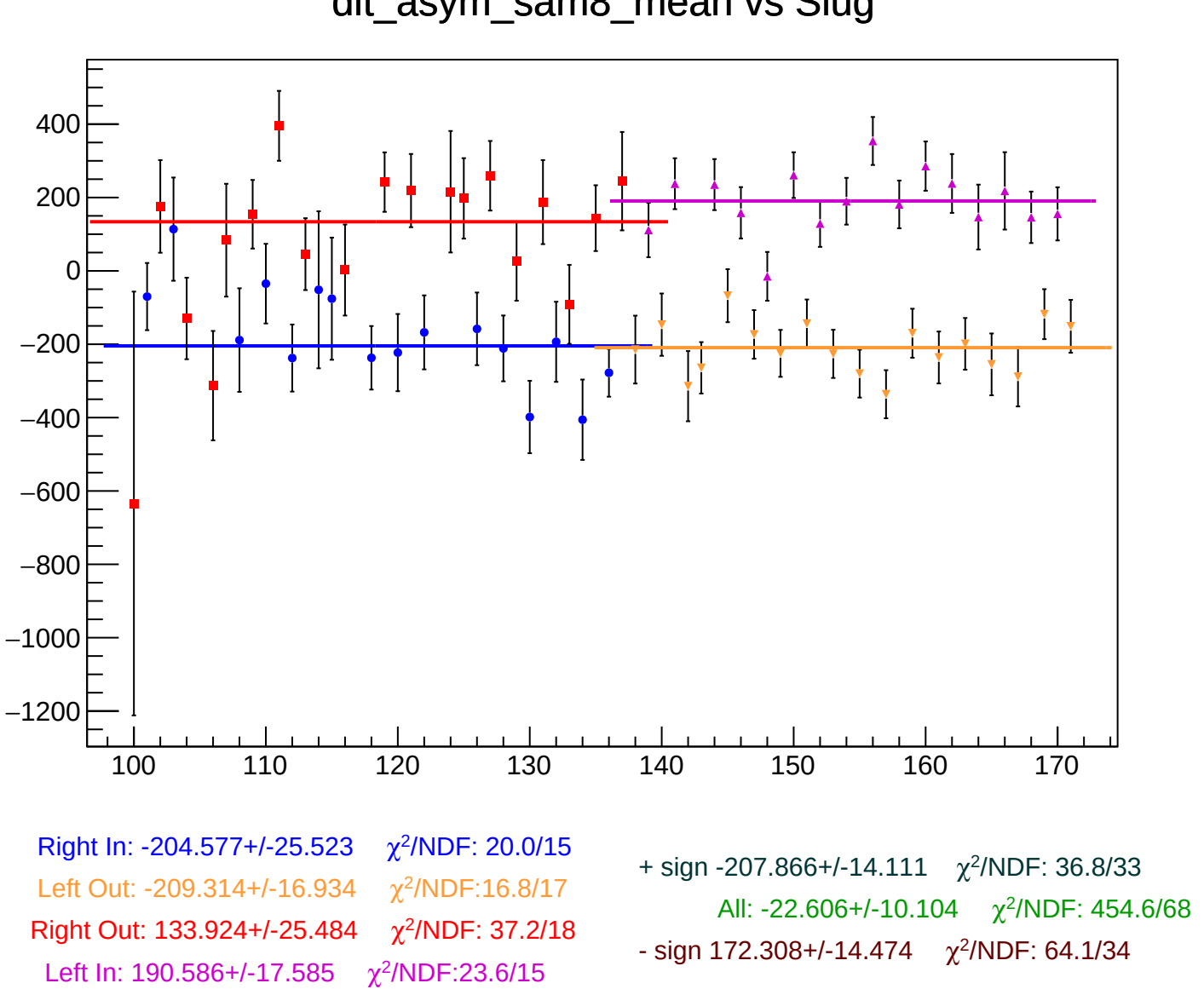
Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.678+/-0.053 χ^2/NDF:527402.6/15

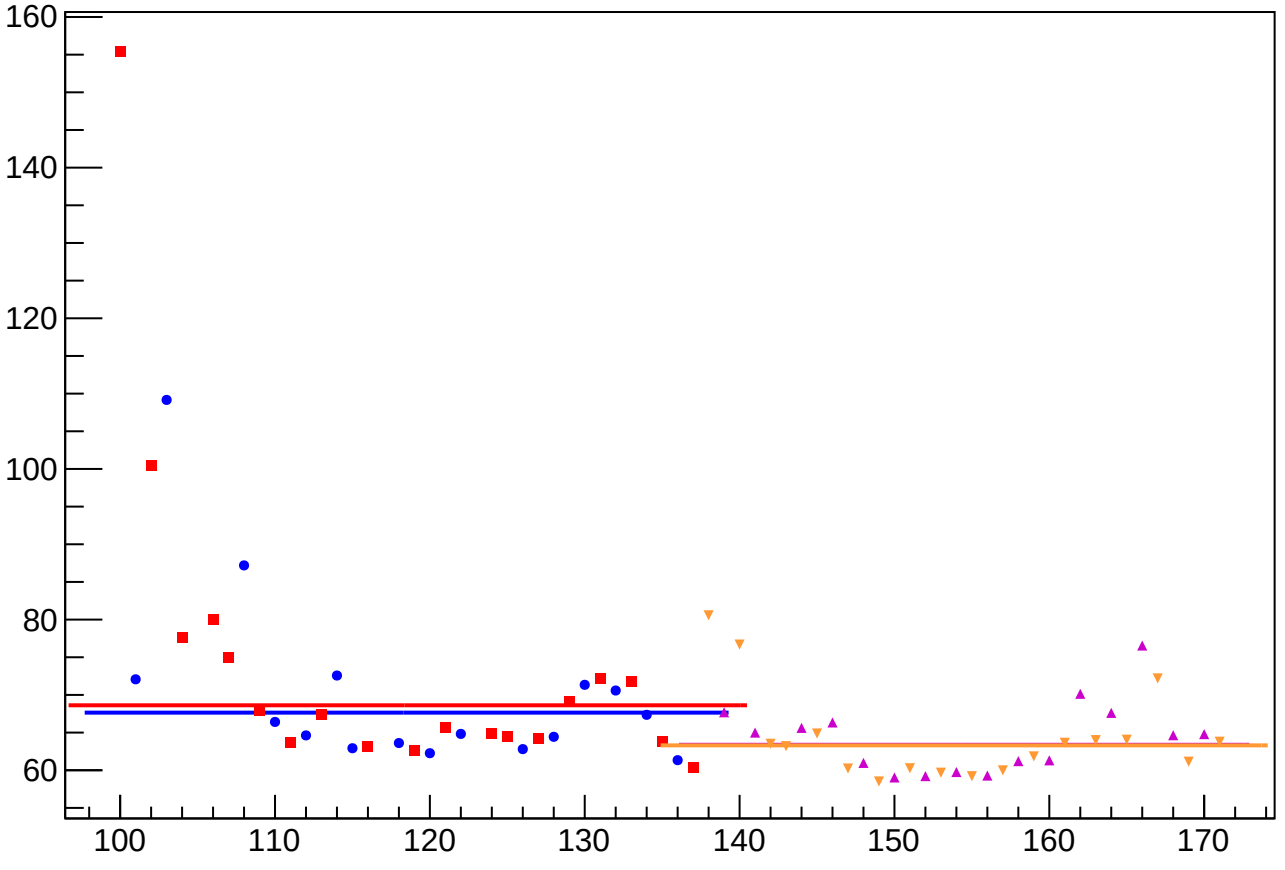
+ sign 217.697+/-0.036 χ^2/NDF: 6887132.6/33

All: 205.268+/-0.025 χ^2/NDF: 16264474.2/68

- sign 194.131+/-0.034 χ^2/NDF: 9156427.7/34


dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -209.314+/-16.934 χ²/NDF:16.8/17
Right Out: 133.924+/-25.484 χ²/NDF: 37.2/18
Left In: 190.586+/-17.585 χ²/NDF:23.6/15
+ sign -207.866+/-14.111 χ²/NDF: 36.8/33
All: -22.606+/-10.104 χ²/NDF: 454.6/68
- sign 172.308+/-14.474 χ²/NDF: 64.1/34

dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.303+/-0.012 χ^2/NDF:186675.3/17

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

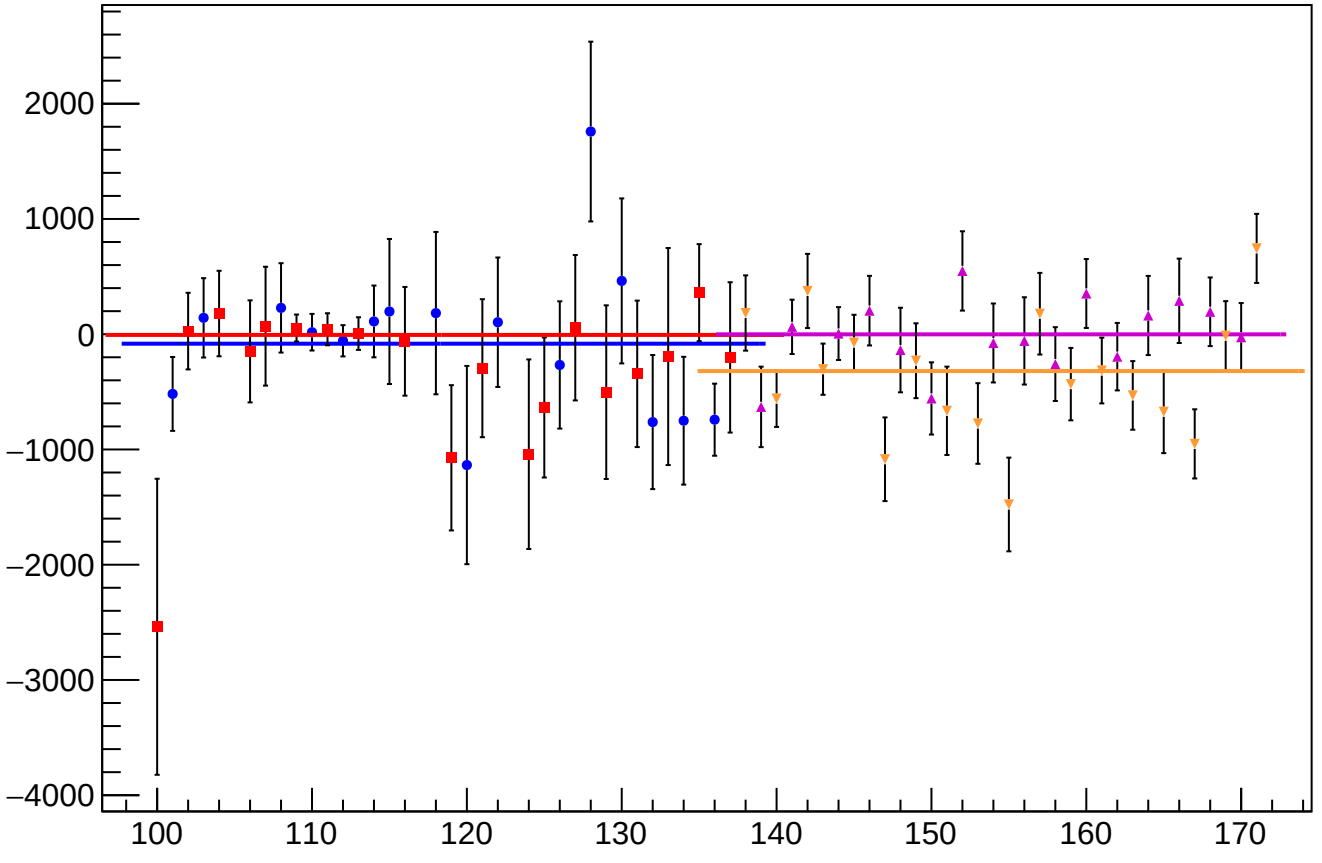
Left In: 63.379+/-0.012 χ^2/NDF:104174.6/15

+ sign 64.631+/-0.010 χ^2/NDF: 490582.5/33

All: 64.845+/-0.007 χ^2/NDF: 901263.7/68

- sign 65.071+/-0.010 χ^2/NDF: 409733.2/34

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -319.651+/-71.814 χ^2/NDF:45.8/17

Right Out: -6.063+/-65.910 χ^2/NDF: 12.0/18

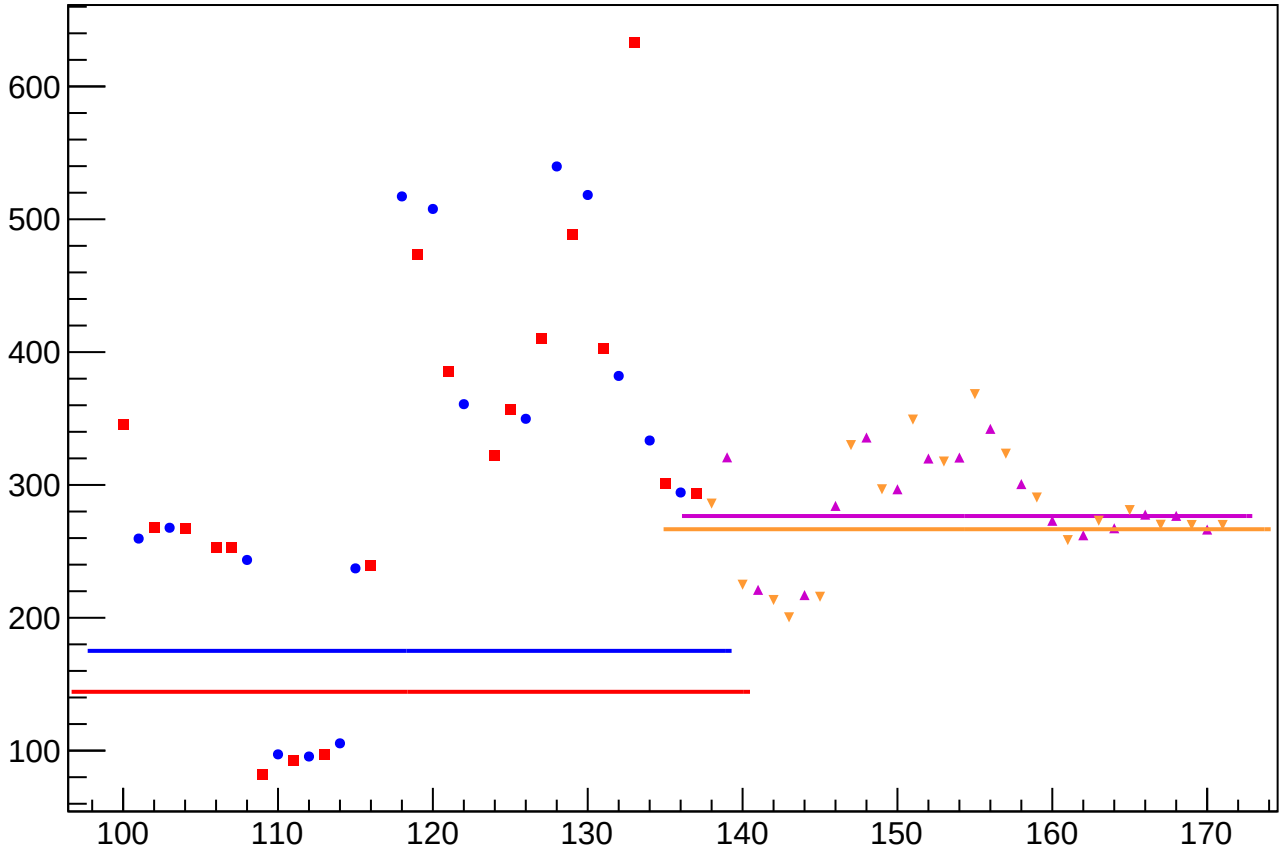
Left In: -1.087+/-76.944 χ^2/NDF:13.5/15

+ sign -211.742+/-53.041 χ^2/NDF: 70.0/33

All: -101.840+/-36.404 χ^2/NDF: 103.7/68

- sign -3.957+/-50.056 χ^2/NDF: 25.5/34

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.667+/-0.051 χ^2/NDF:794771.3/17

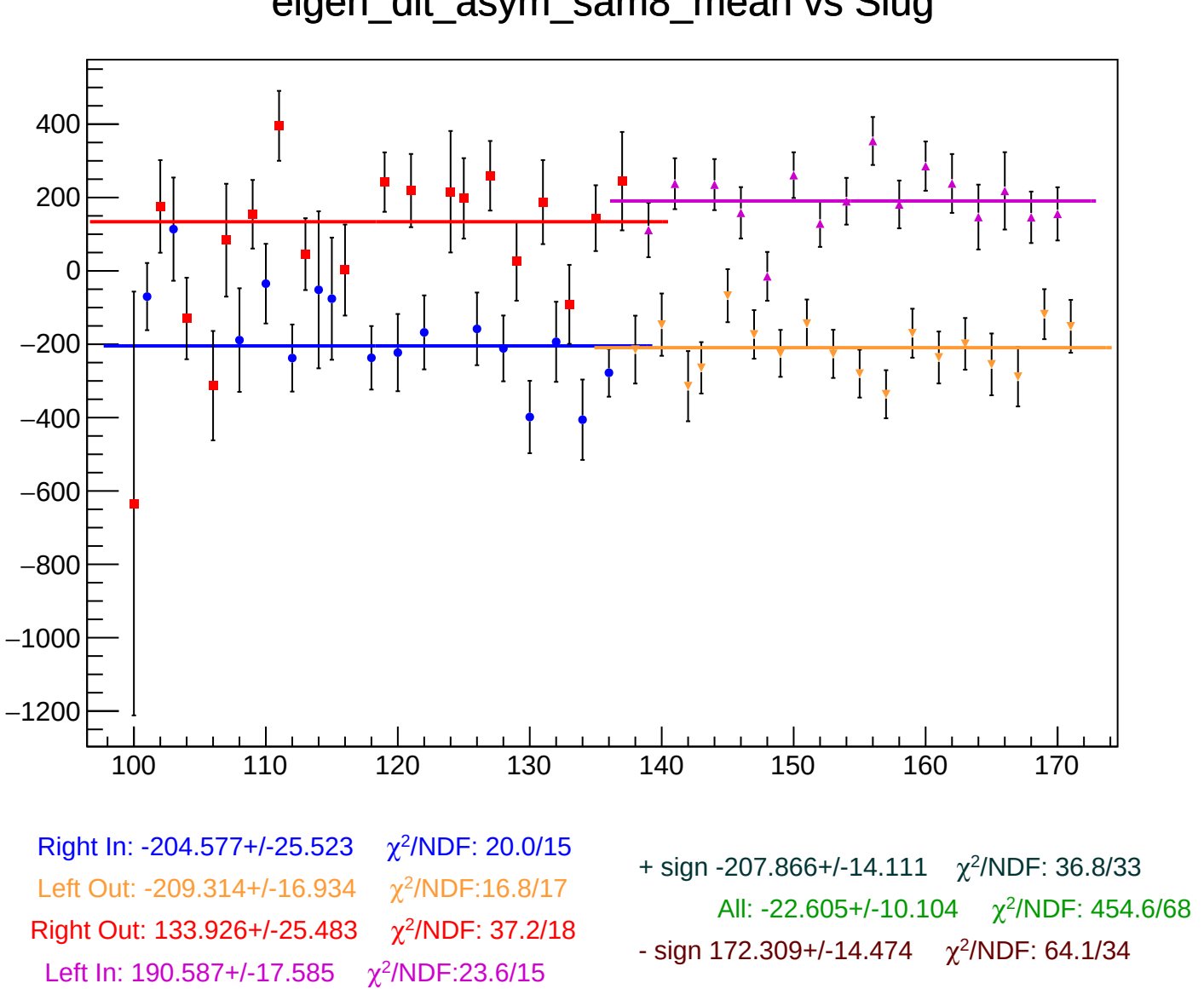
Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 276.606+/-0.054 χ^2/NDF:484188.8/15

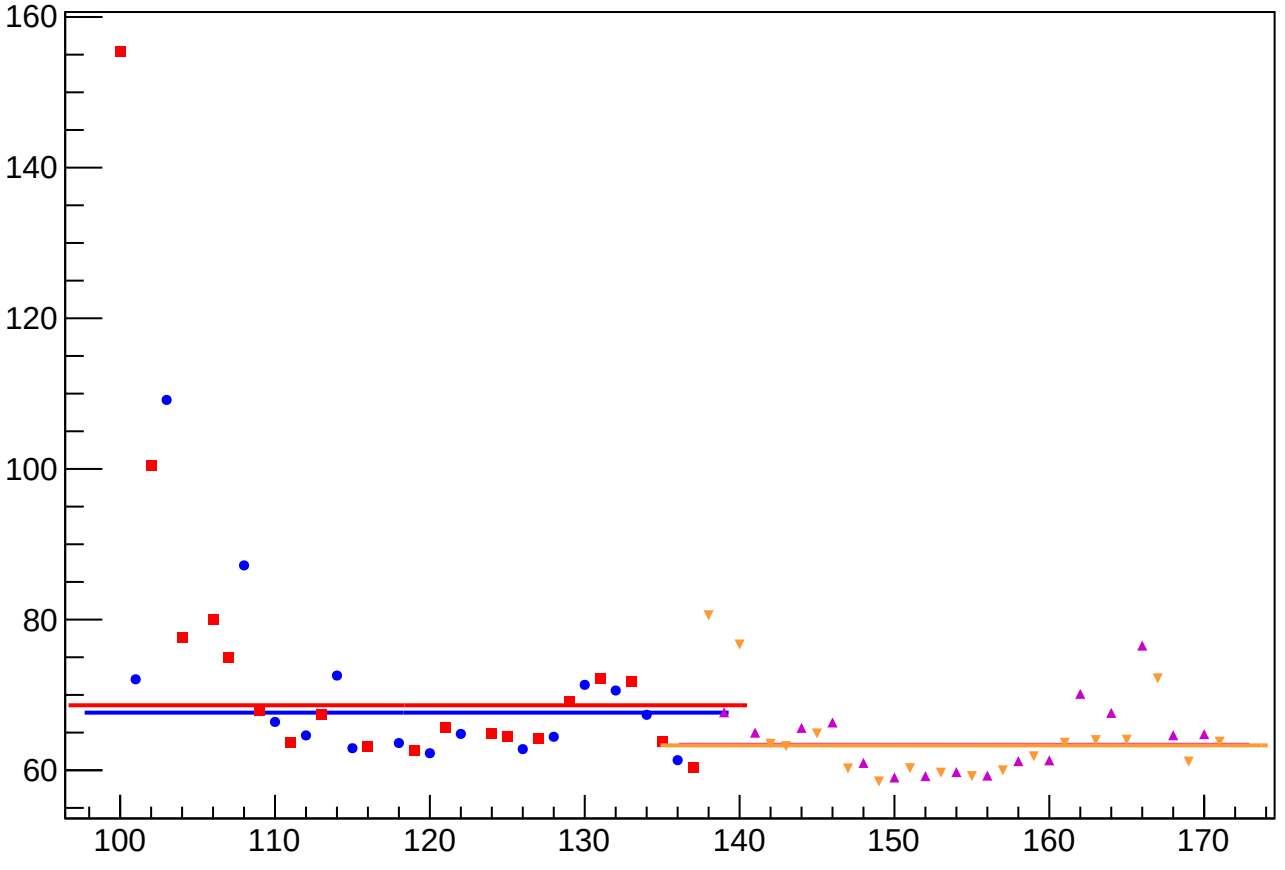
+ sign 225.050+/-0.038 χ^2/NDF: 6701688.2/33

All: 211.949+/-0.026 χ^2/NDF: 15960969.6/68

- sign 200.281+/-0.035 χ^2/NDF: 9028591.7/34


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: -204.577+/-25.523 χ²/NDF: 20.0/15
Left Out: -209.314+/-16.934 χ²/NDF:16.8/17
Right Out: 133.926+/-25.483 χ²/NDF: 37.2/18
Left In: 190.587+/-17.585 χ²/NDF:23.6/15
+ sign -207.866+/-14.111 χ²/NDF: 36.8/33
All: -22.605+/-10.104 χ²/NDF: 454.6/68
- sign 172.309+/-14.474 χ²/NDF: 64.1/34

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.303+/-0.012 χ^2/NDF:186674.3/17

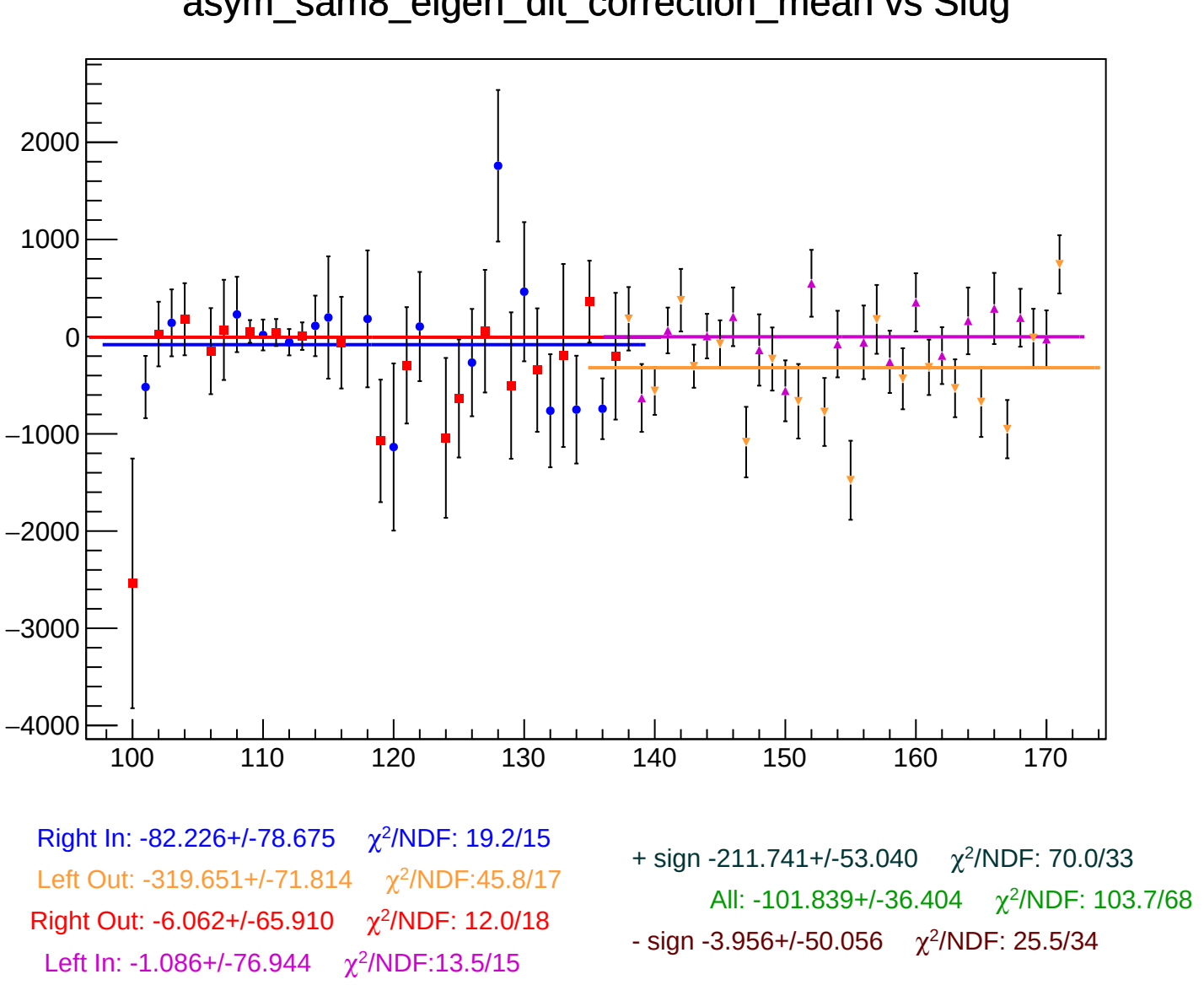
Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.379+/-0.012 χ^2/NDF:104174.8/15

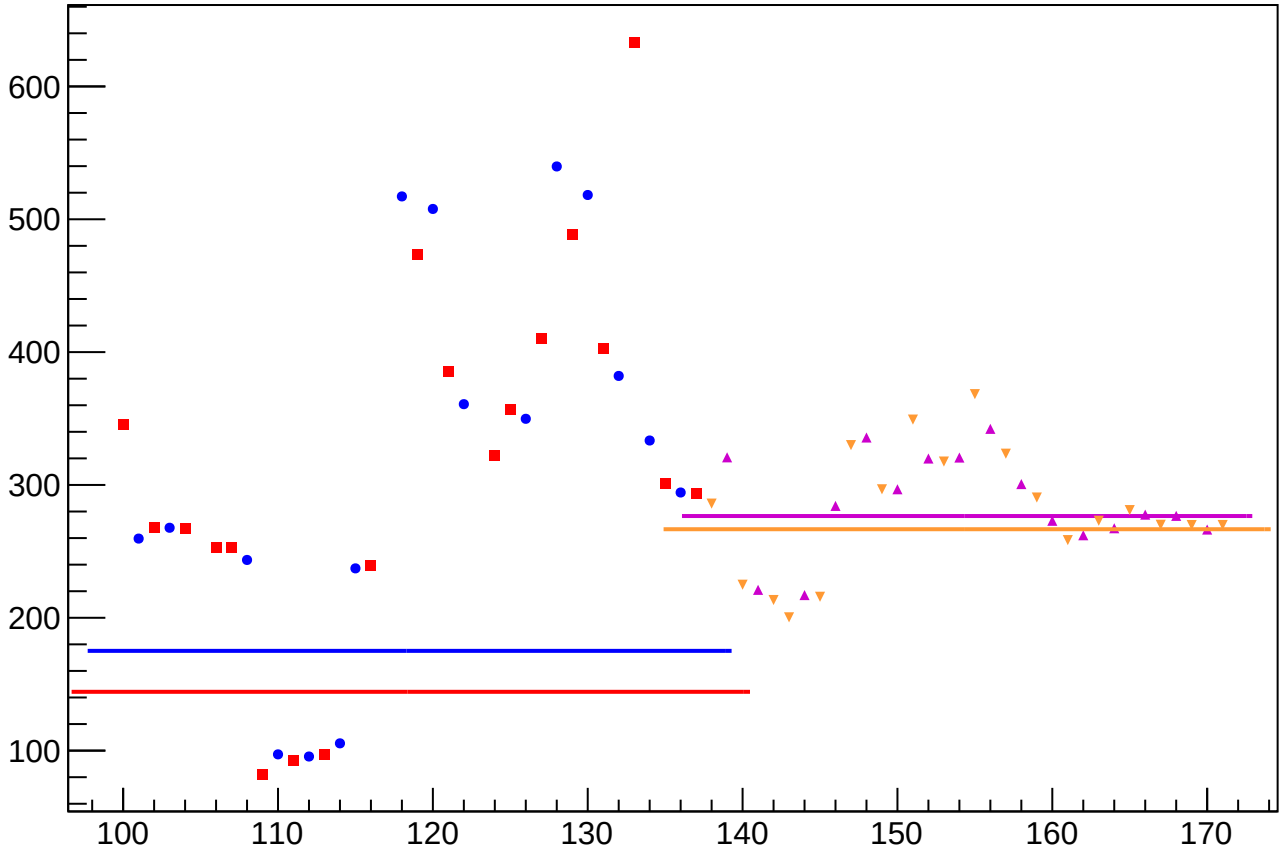
+ sign 64.631+/-0.010 χ^2/NDF: 490576.9/33

All: 64.845+/-0.007 χ^2/NDF: 901254.4/68

- sign 65.071+/-0.010 χ^2/NDF: 409729.5/34


asym_sam8_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
Right In: -82.226+/-78.675 χ²/NDF: 19.2/15
Left Out: -319.651+/-71.814 χ²/NDF:45.8/17
Right Out: -6.062+/-65.910 χ²/NDF: 12.0/18
Left In: -1.086+/-76.944 χ²/NDF:13.5/15
+ sign -211.741+/-53.040 χ²/NDF: 70.0/33
All: -101.839+/-36.404 χ²/NDF: 103.7/68
- sign -3.956+/-50.056 χ²/NDF: 25.5/34

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.666+/-0.051 χ^2/NDF:794780.0/17

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

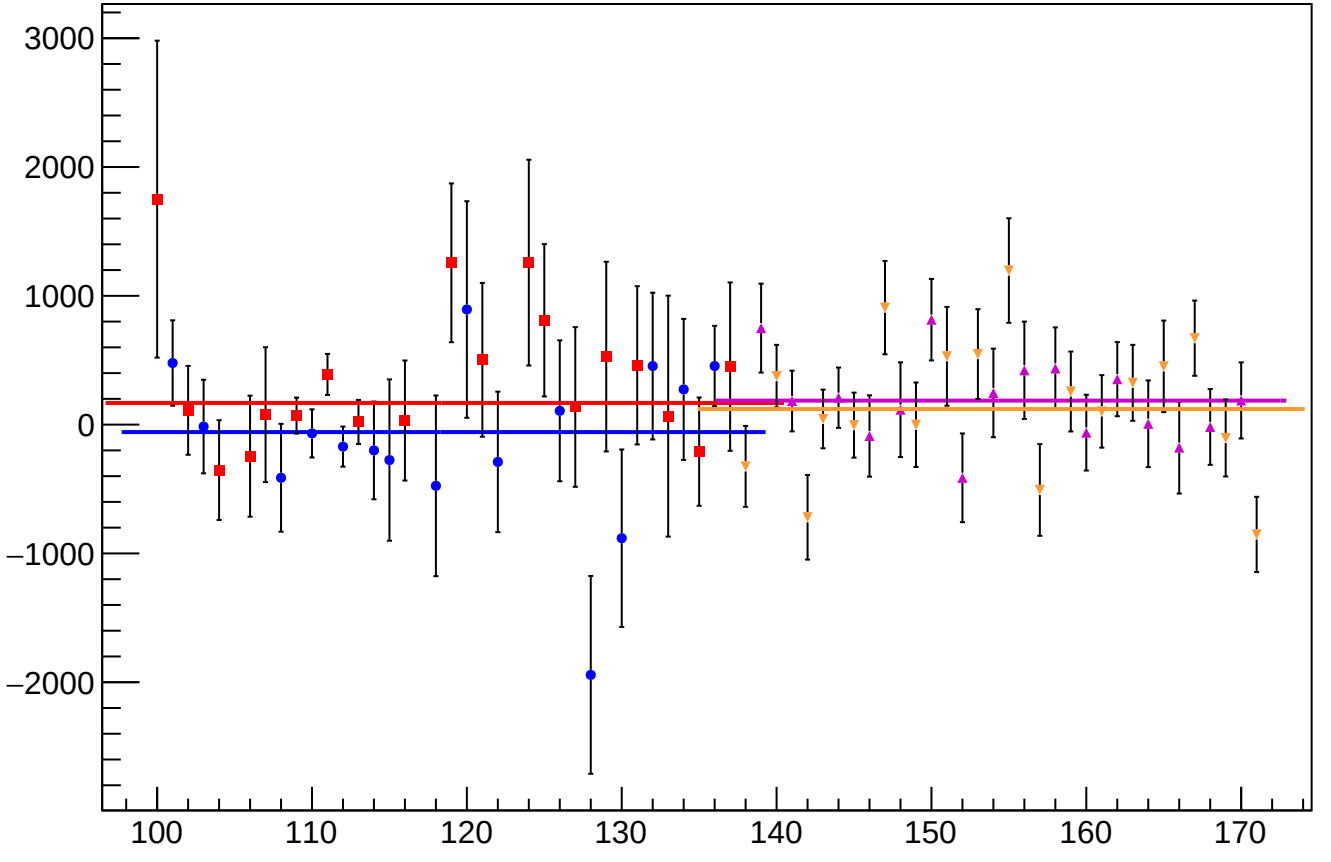
Left In: 276.605+/-0.054 χ^2/NDF:484190.6/15

+ sign 225.048+/-0.038 χ^2/NDF: 6701745.8/33

All: 211.948+/-0.026 χ^2/NDF: 15960985.4/68

- sign 200.280+/-0.035 χ^2/NDF: 9028562.5/34

asym_sam8_mean vs Slug



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 121.000+/-71.731 χ^2/NDF:44.4/17

Right Out: 168.322+/-74.598 χ^2/NDF: 15.5/18

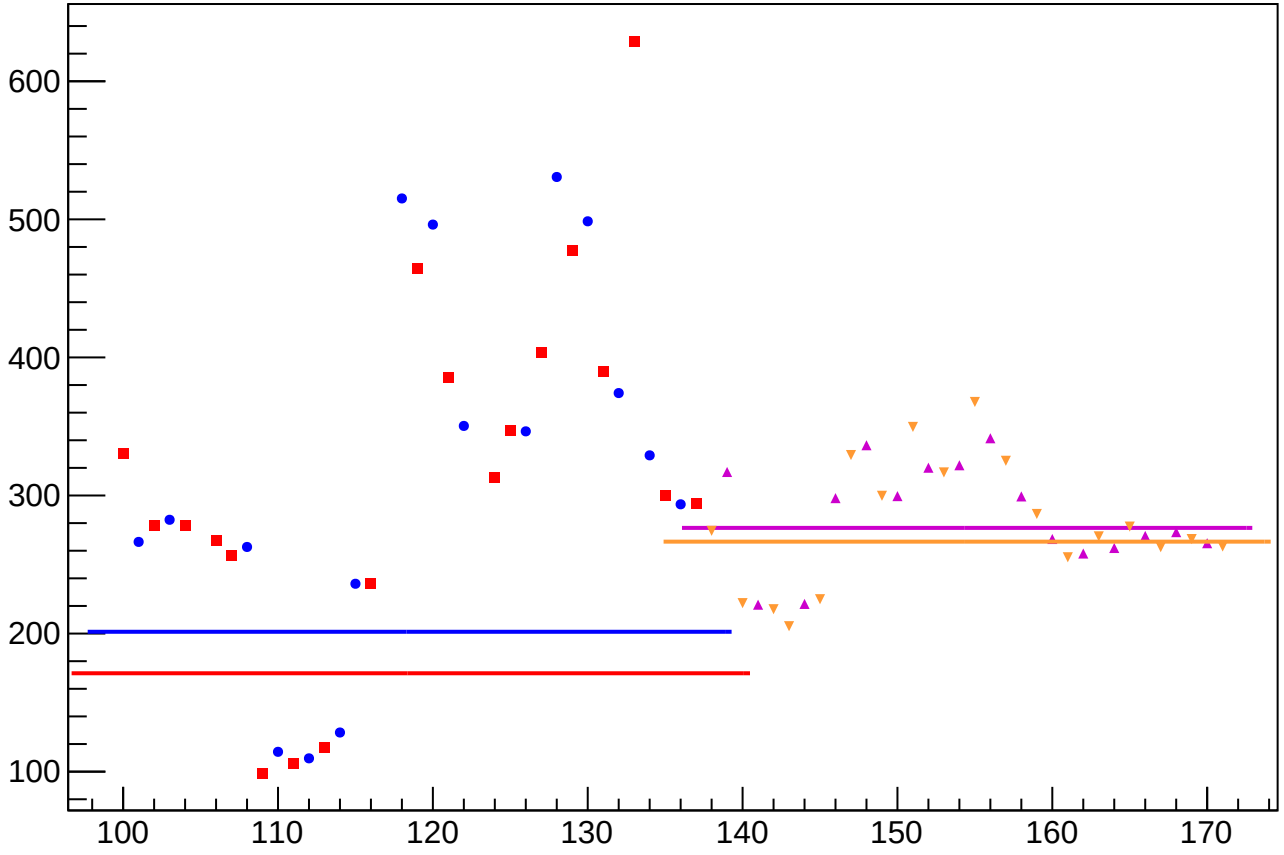
Left In: 186.332+/-76.912 χ^2/NDF:14.3/15

+ sign 48.464+/-55.317 χ^2/NDF: 64.3/33

All: 114.847+/-38.474 χ^2/NDF: 97.0/68

- sign 177.052+/-53.548 χ^2/NDF: 29.8/34

asym_sam8_rms vs Slug



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.577+/-0.051 χ^2/NDF:720969.6/17

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

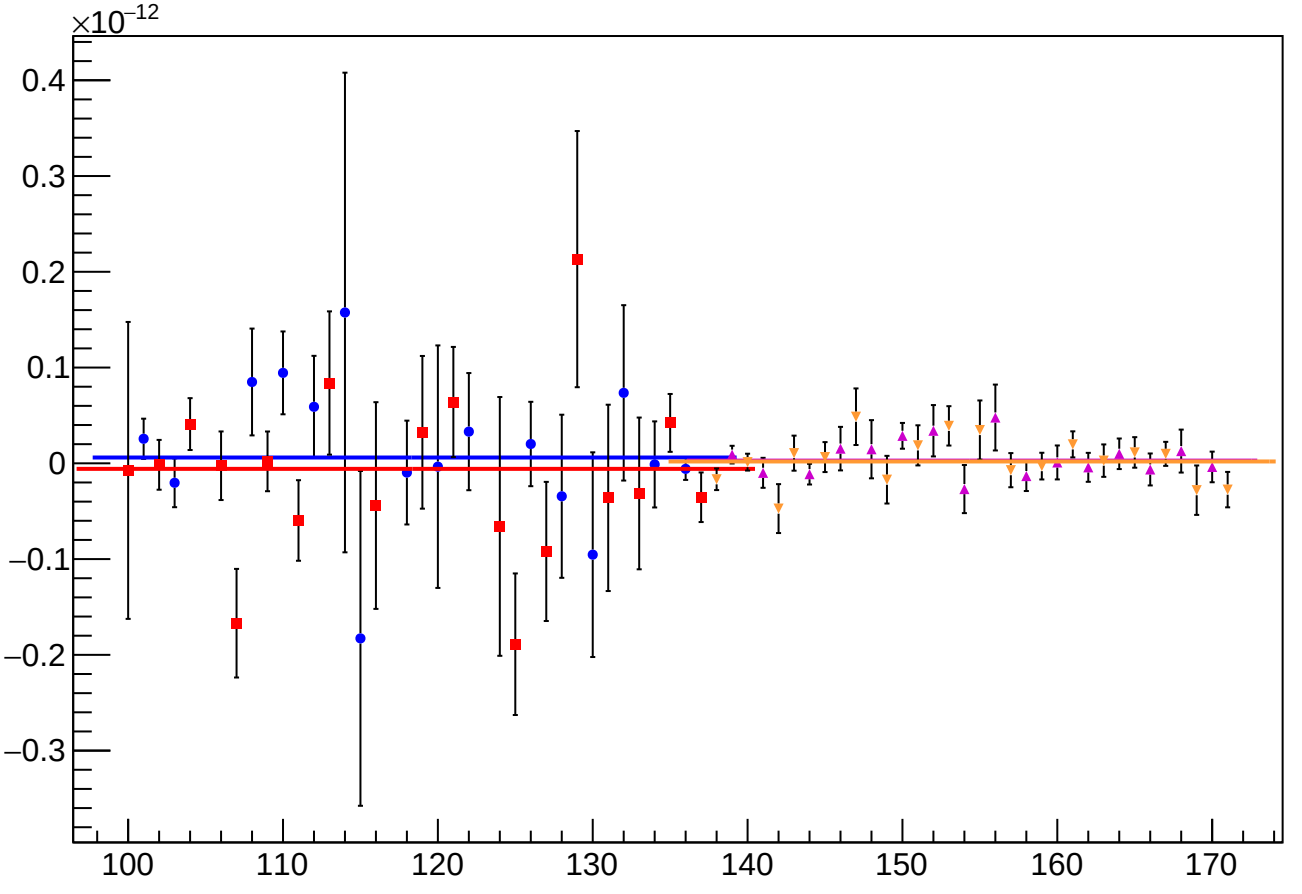
Left In: 276.540+/-0.054 χ^2/NDF:475560.4/15

+ sign 240.122+/-0.039 χ^2/NDF: 4964439.3/33

All: 230.915+/-0.027 χ^2/NDF: 11671106.1/68

- sign 222.288+/-0.038 χ^2/NDF: 6599355.4/34

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:21.6/17

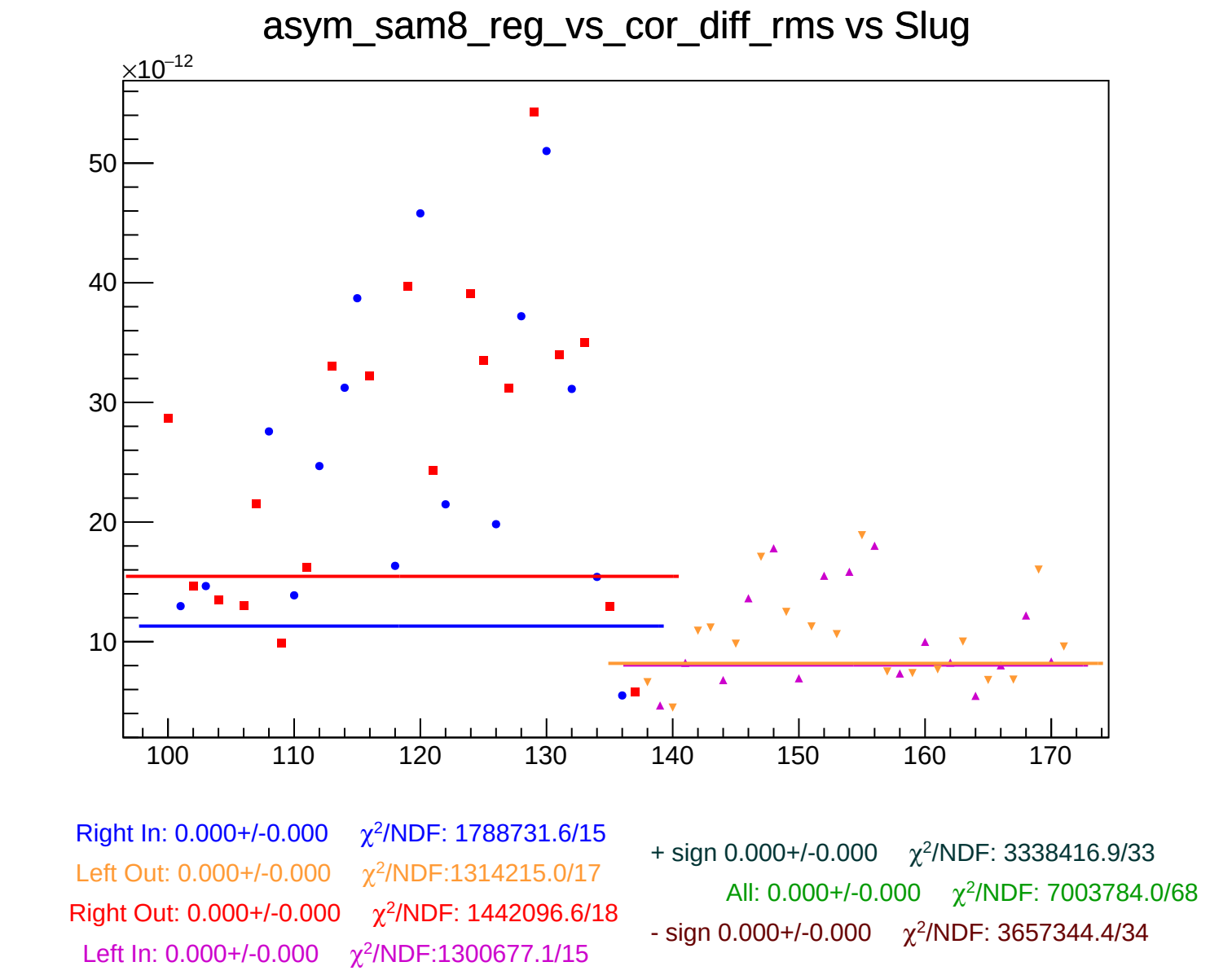
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/18

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

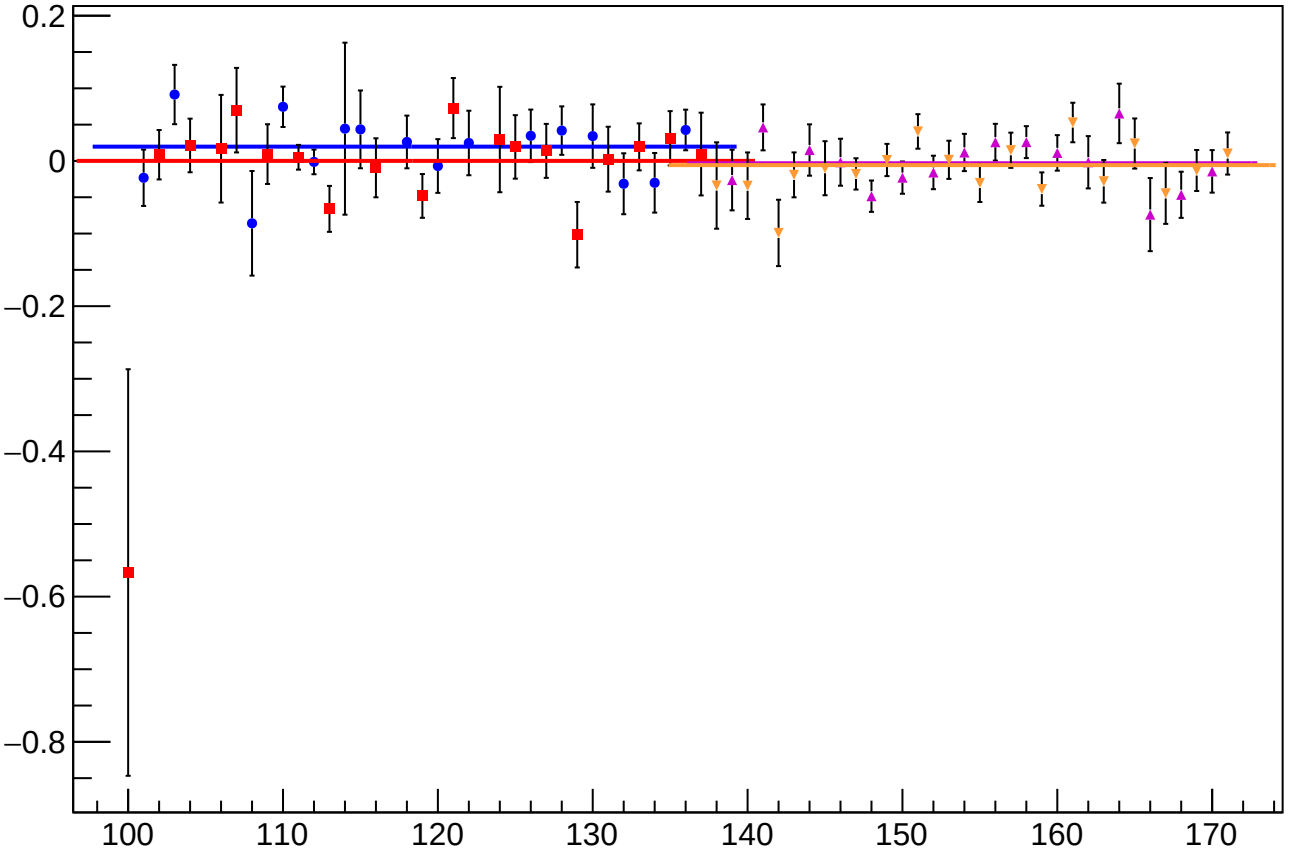
+ sign 0.000+/-0.000 χ^2/NDF: 35.6/33

All: 0.000+/-0.000 χ^2/NDF: 80.4/68

- sign 0.000+/-0.000 χ^2/NDF: 44.7/34


asym_sam8_reg_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1314215.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1300677.1/15
+ sign 0.000+/-0.000 χ²/NDF: 3338416.9/33
All: 0.000+/-0.000 χ²/NDF: 7003784.0/68
- sign 0.000+/-0.000 χ²/NDF: 3657344.4/34

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:20.1/17

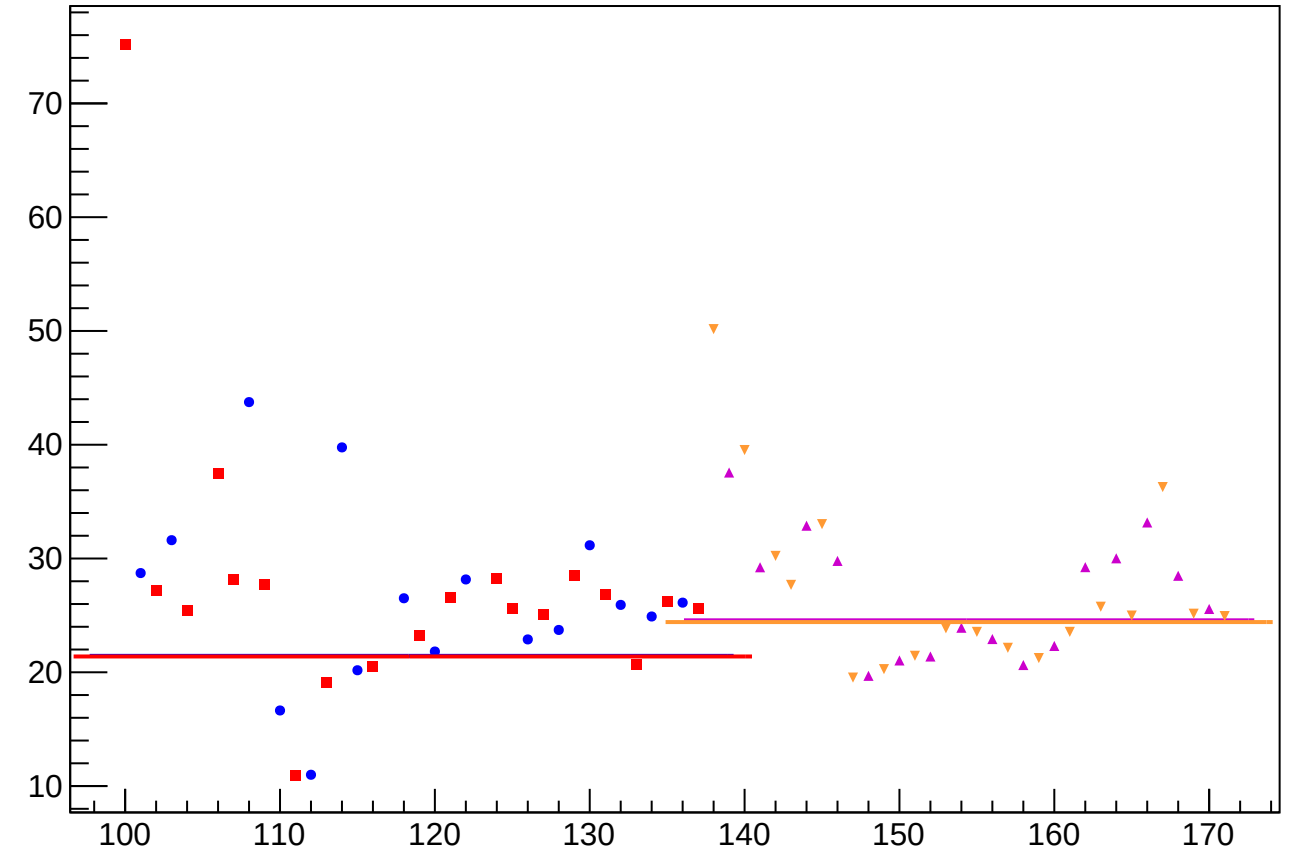
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.003+/-0.007 χ^2/NDF:19.1/15

+ sign 0.004+/-0.005 χ^2/NDF: 42.5/33

All: 0.001+/-0.004 χ^2/NDF: 85.1/68

- sign -0.002+/-0.005 χ^2/NDF: 42.0/34



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184294.1/17

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

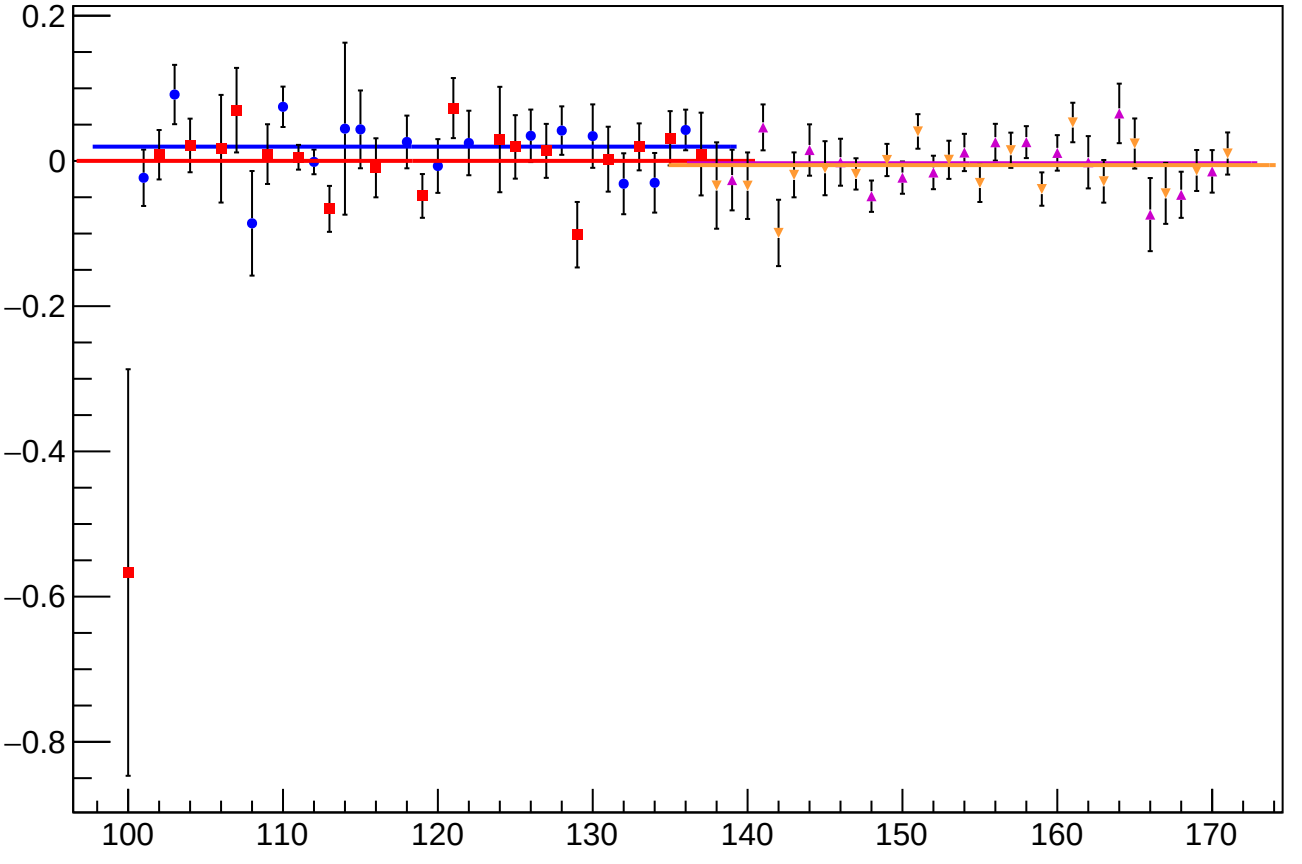
Left In: 24.567+/-0.005 χ^2/NDF:841121.8/15

+ sign 23.291+/-0.004 χ^2/NDF: 2870503.7/33

All: 23.282+/-0.003 χ^2/NDF: 5189037.0/68

- sign 23.273+/-0.004 χ^2/NDF: 2318522.2/34

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

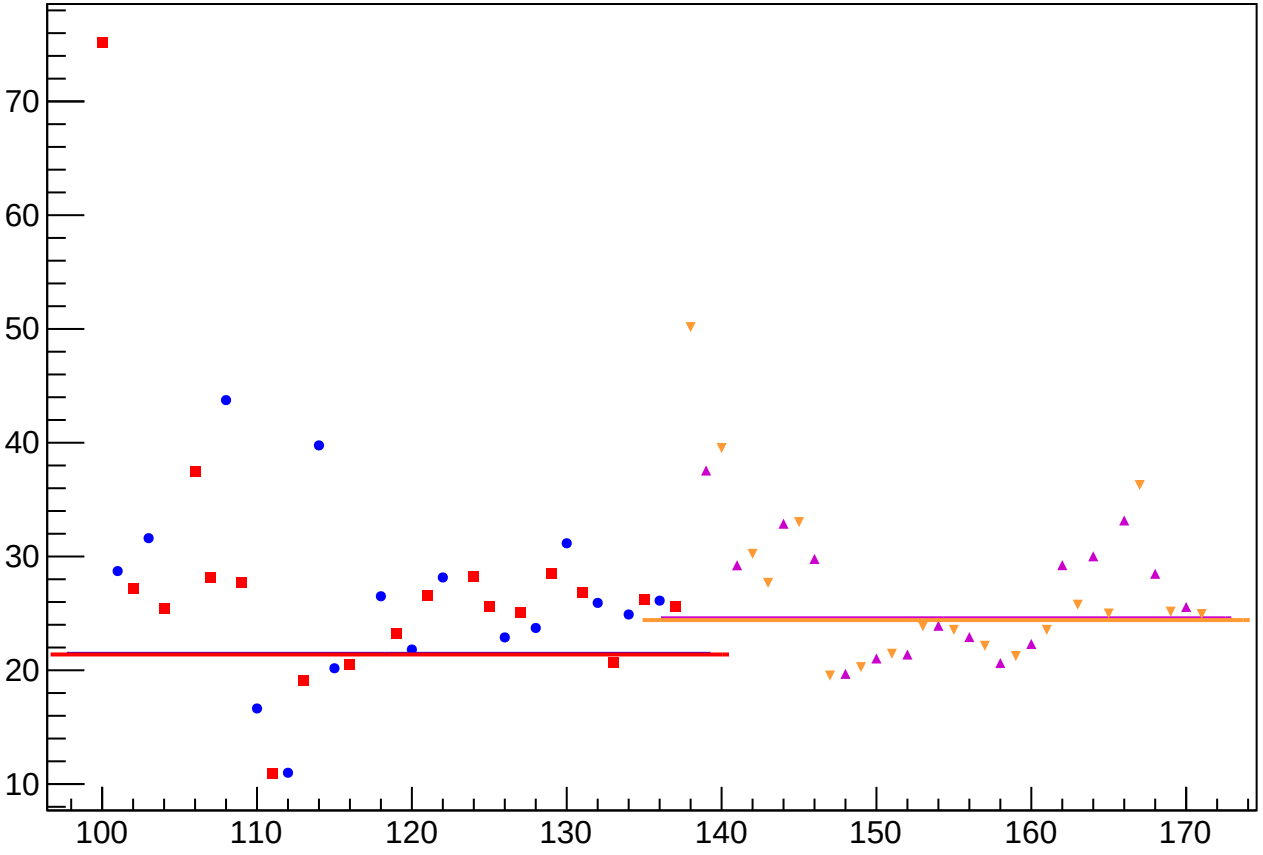
Left In: -0.003+/-0.007 χ^2/NDF:19.1/15

+ sign 0.004+/-0.005 χ^2/NDF: 42.5/33

All: 0.001+/-0.004 χ^2/NDF: 85.1/68

- sign -0.002+/-0.005 χ^2/NDF: 42.0/34

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184294.1/17

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

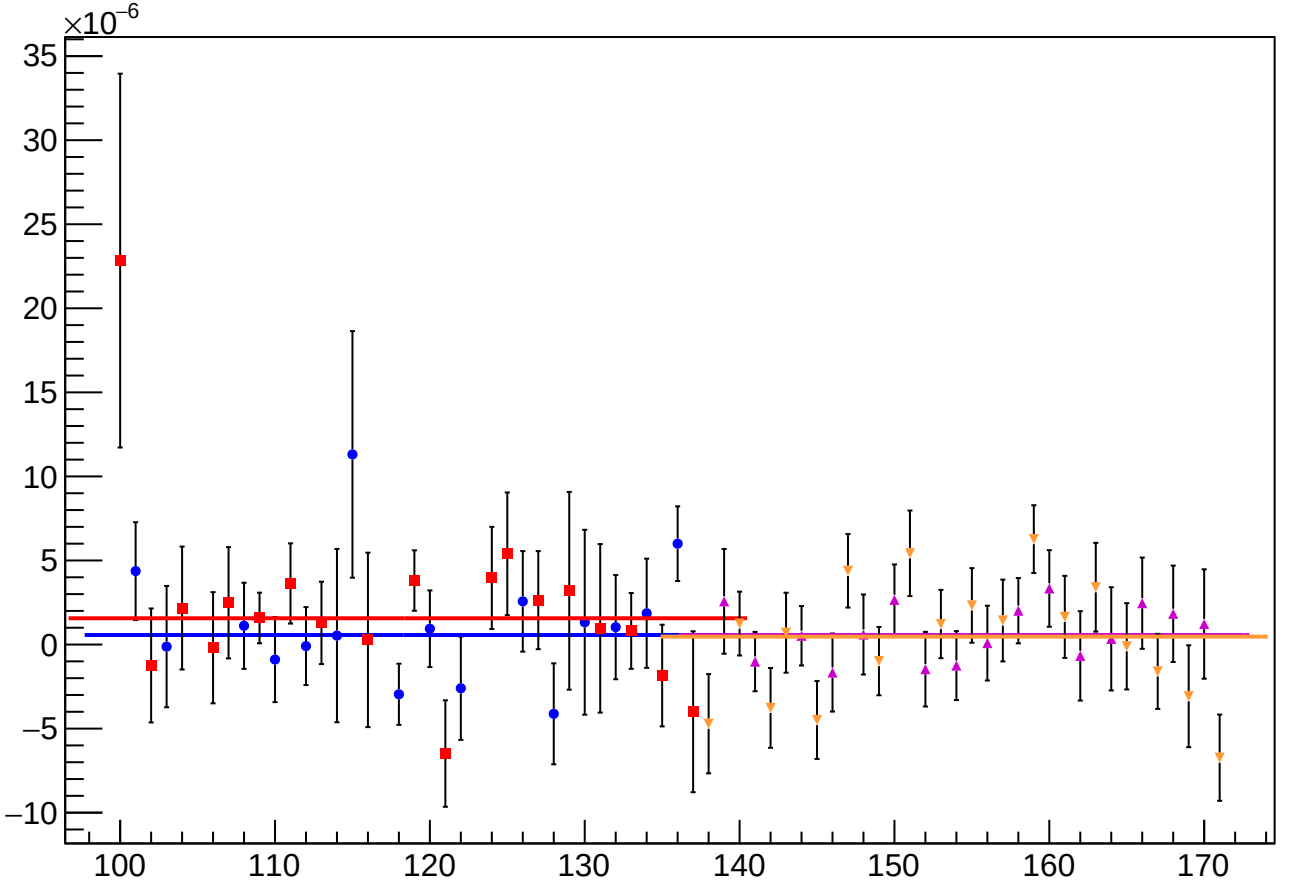
Left In: 24.567+/-0.005 χ^2/NDF:841121.8/15

+ sign 23.291+/-0.004 χ^2/NDF: 2870503.7/33

All: 23.282+/-0.003 χ^2/NDF: 5189037.0/68

- sign 23.273+/-0.004 χ^2/NDF: 2318522.2/34

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:39.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/18

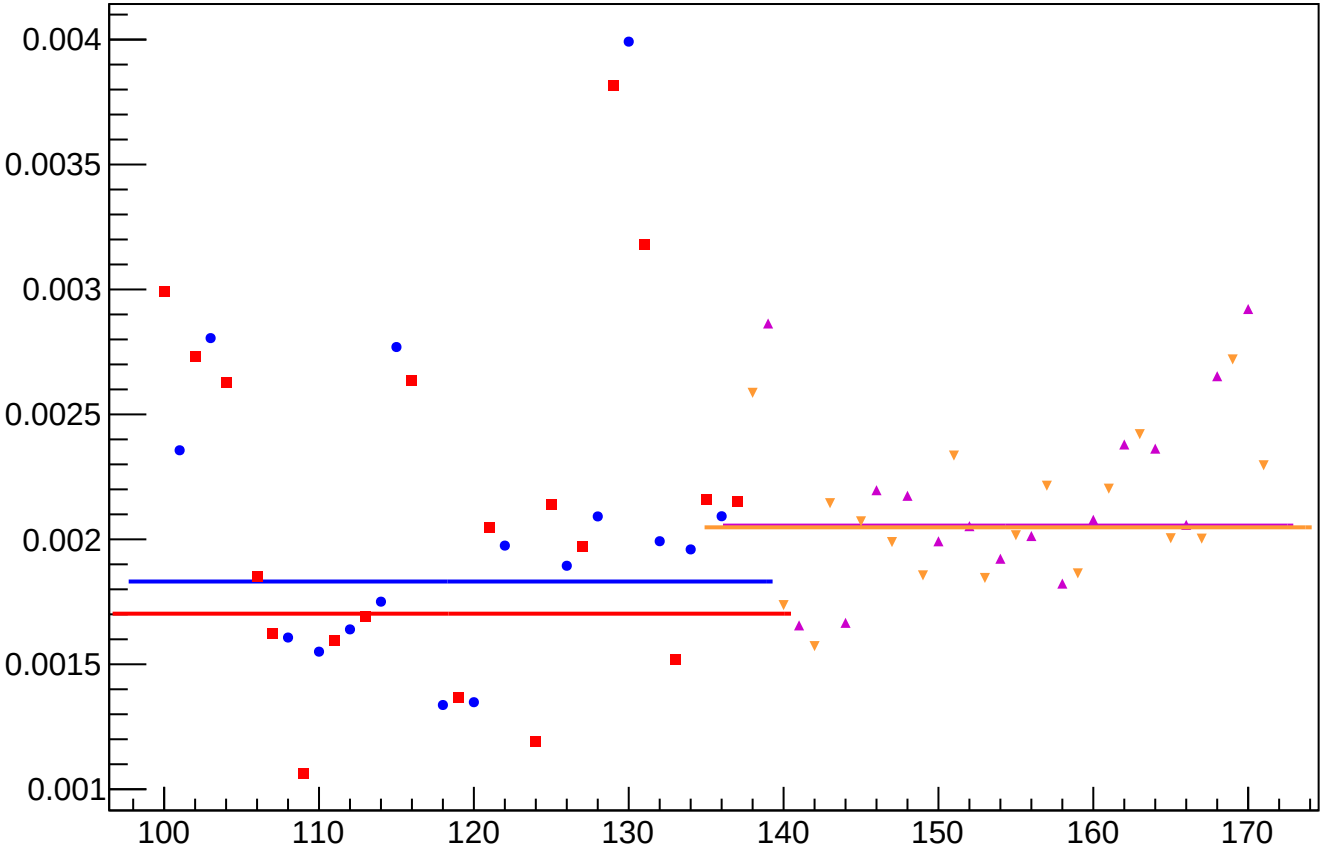
Left In: 0.000+/-0.000 χ^2/NDF:7.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/33

All: 0.000+/-0.000 χ^2/NDF: 85.7/68

- sign 0.000+/-0.000 χ^2/NDF: 27.4/34

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:461756.3/17

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

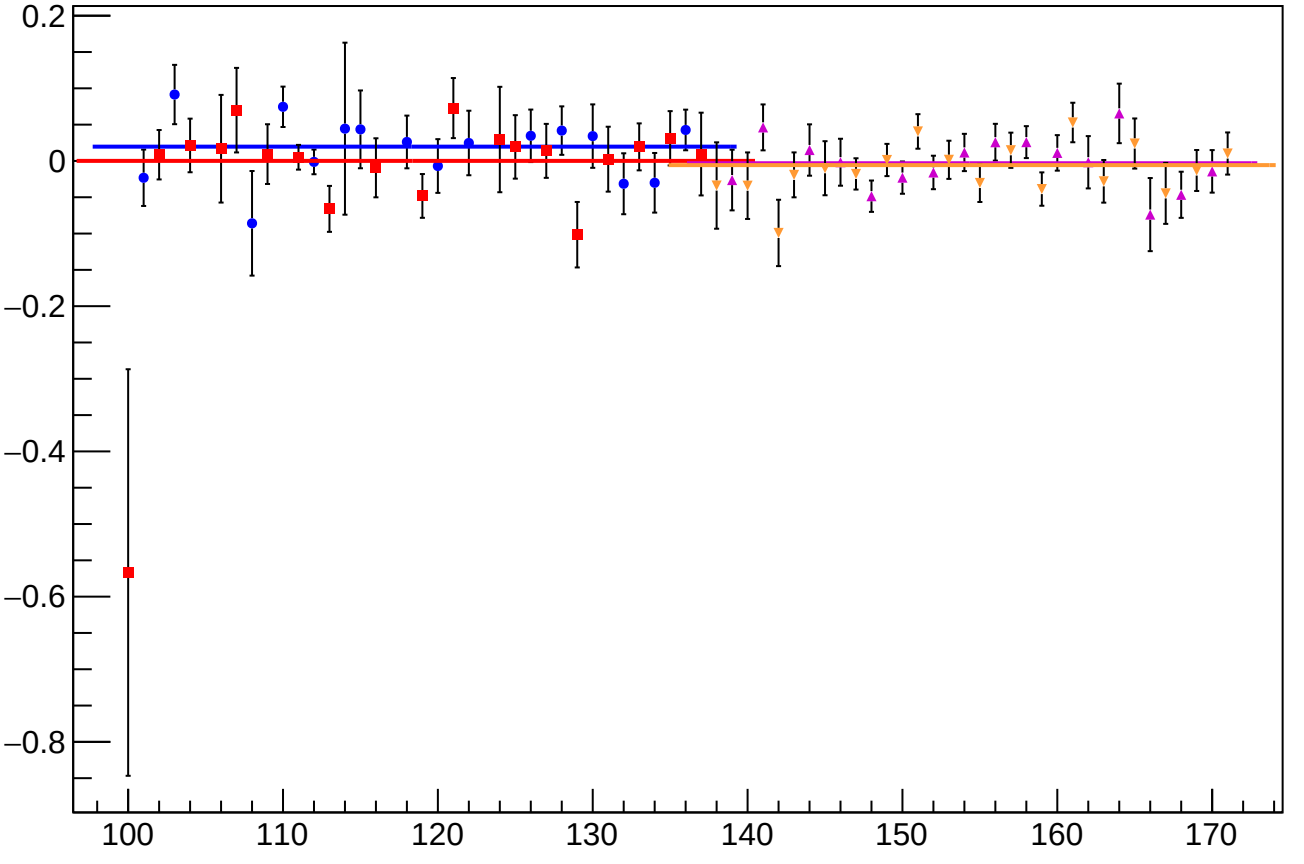
Left In: 0.002+/-0.000 χ^2/NDF:665353.0/15

+ sign 0.002+/-0.000 χ^2/NDF: 1479692.2/33

All: 0.002+/-0.000 χ^2/NDF: 3969902.3/68

- sign 0.002+/-0.000 χ^2/NDF: 2468633.5/34

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

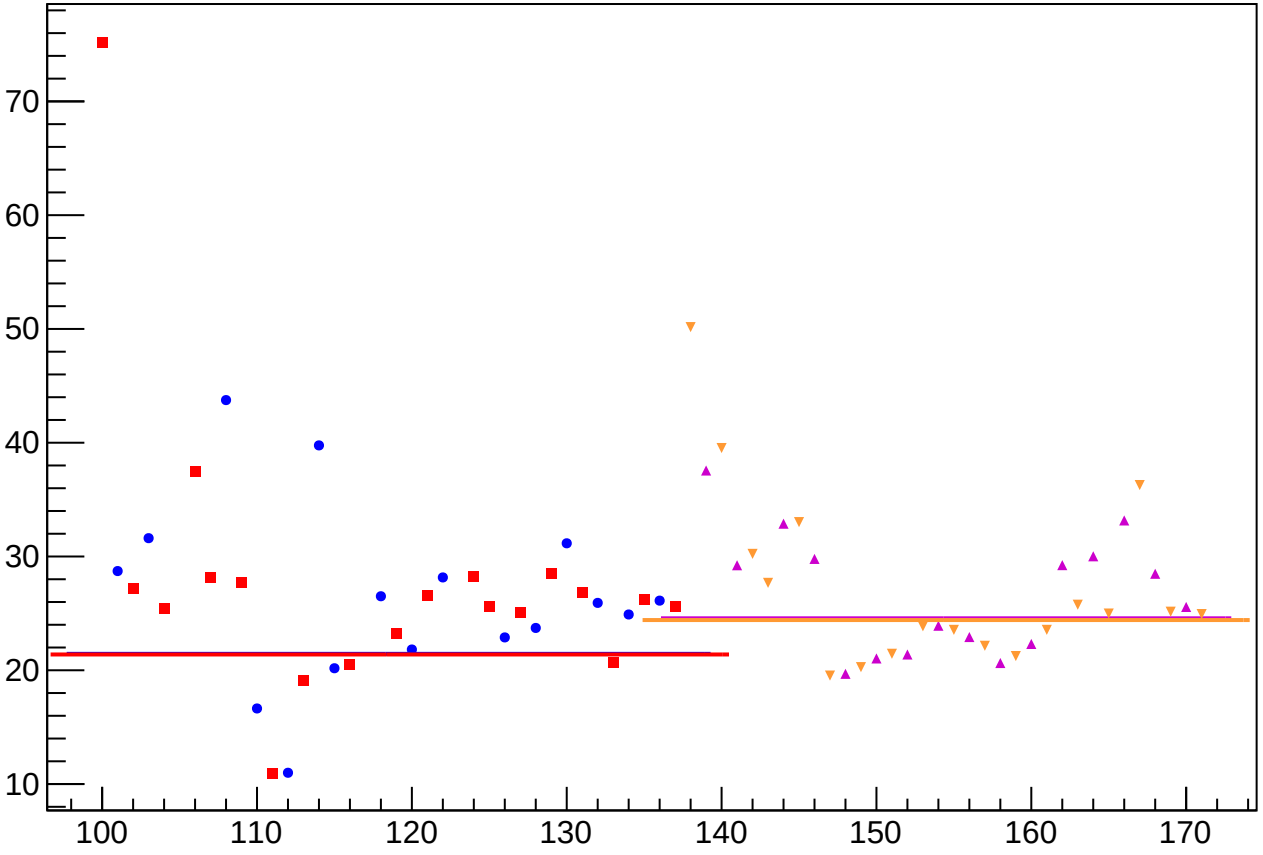
Left In: -0.003+/-0.007 χ^2/NDF:19.1/15

+ sign 0.004+/-0.005 χ^2/NDF: 42.5/33

All: 0.001+/-0.004 χ^2/NDF: 85.1/68

- sign -0.002+/-0.005 χ^2/NDF: 42.0/34

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184293.5/17

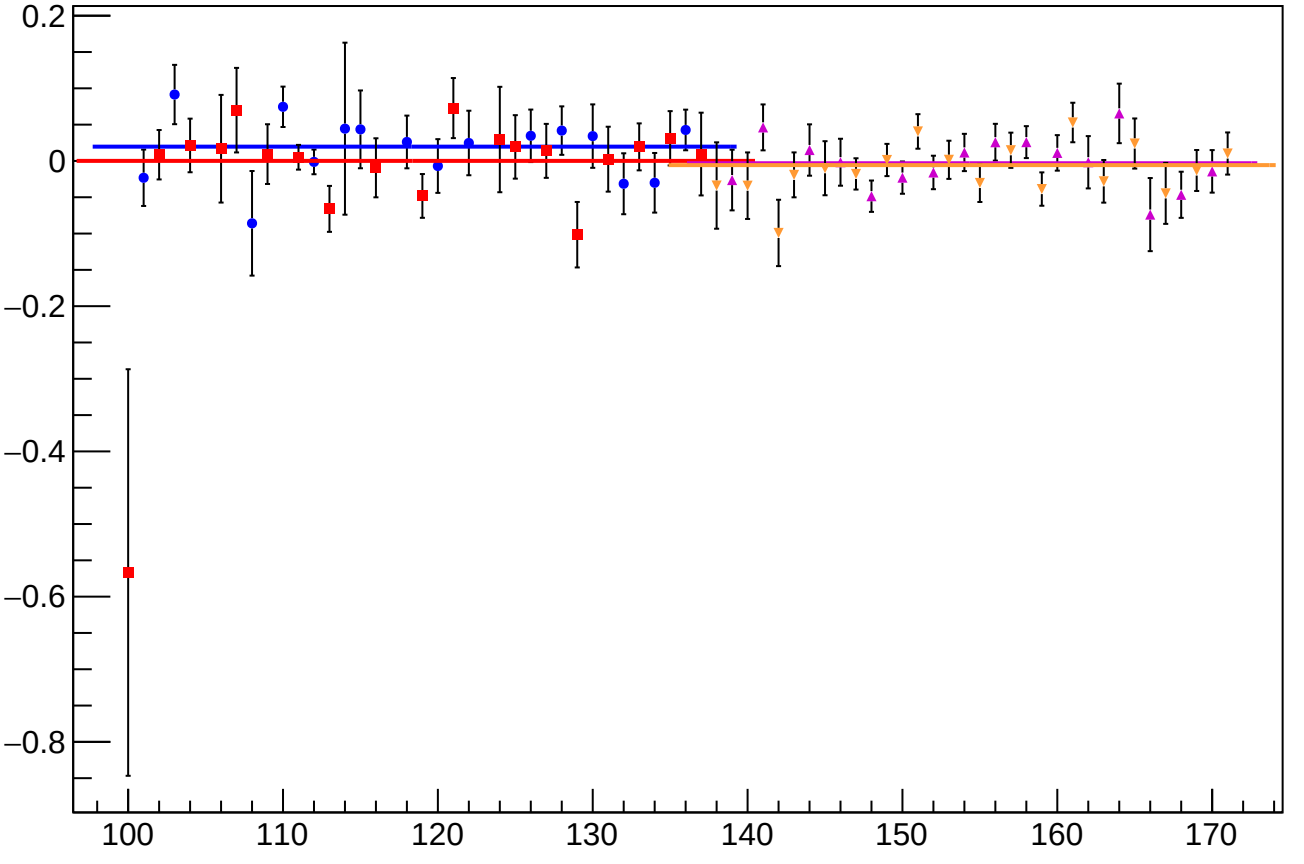
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.567+/-0.005 χ^2/NDF:841124.7/15

+ sign 23.291+/-0.004 χ^2/NDF: 2870728.2/33

All: 23.282+/-0.003 χ^2/NDF: 5189471.1/68

- sign 23.273+/-0.004 χ^2/NDF: 2318731.7/34



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

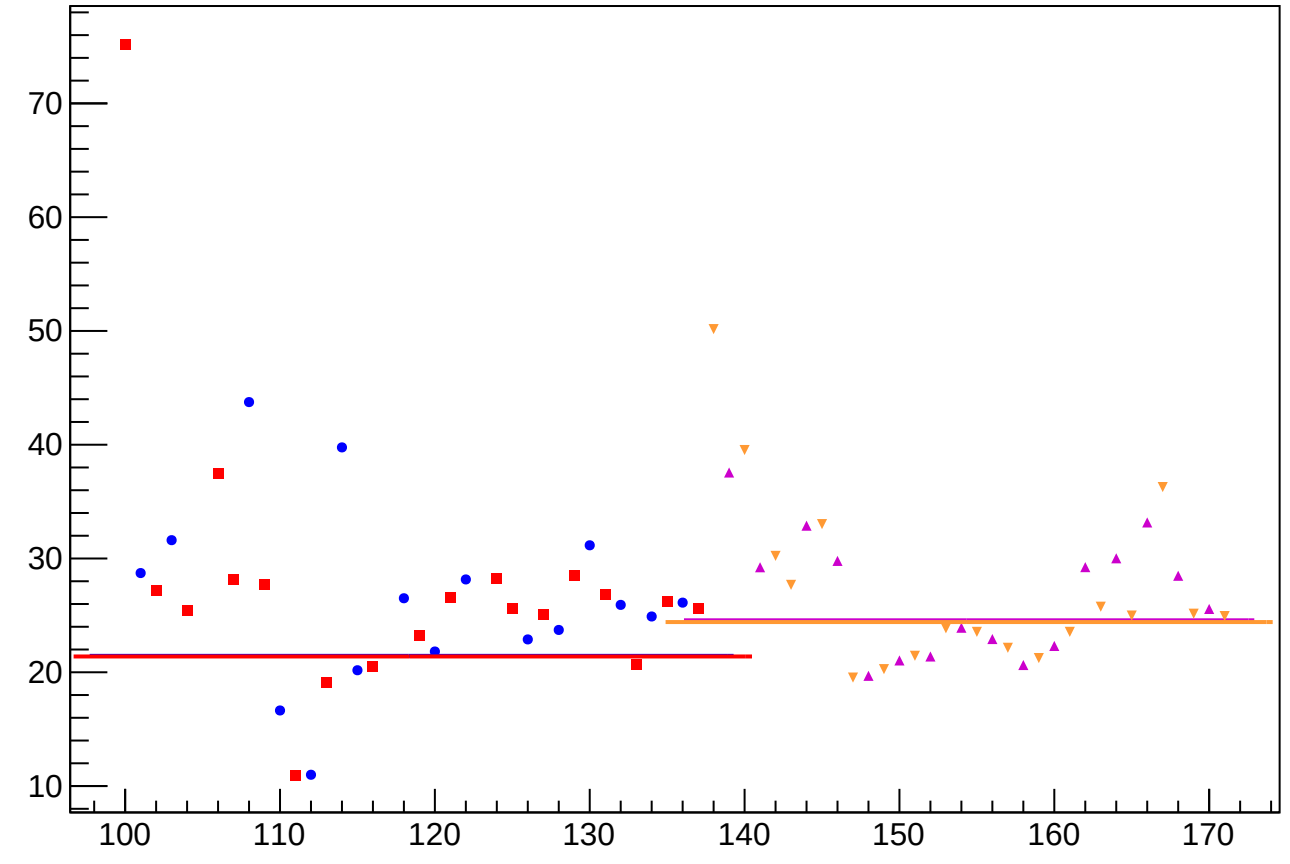
Right Out: 0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.003+/-0.007 χ^2/NDF:19.1/15

+ sign 0.004+/-0.005 χ^2/NDF: 42.5/33

All: 0.001+/-0.004 χ^2/NDF: 85.1/68

- sign -0.002+/-0.005 χ^2/NDF: 42.0/34



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184293.5/17

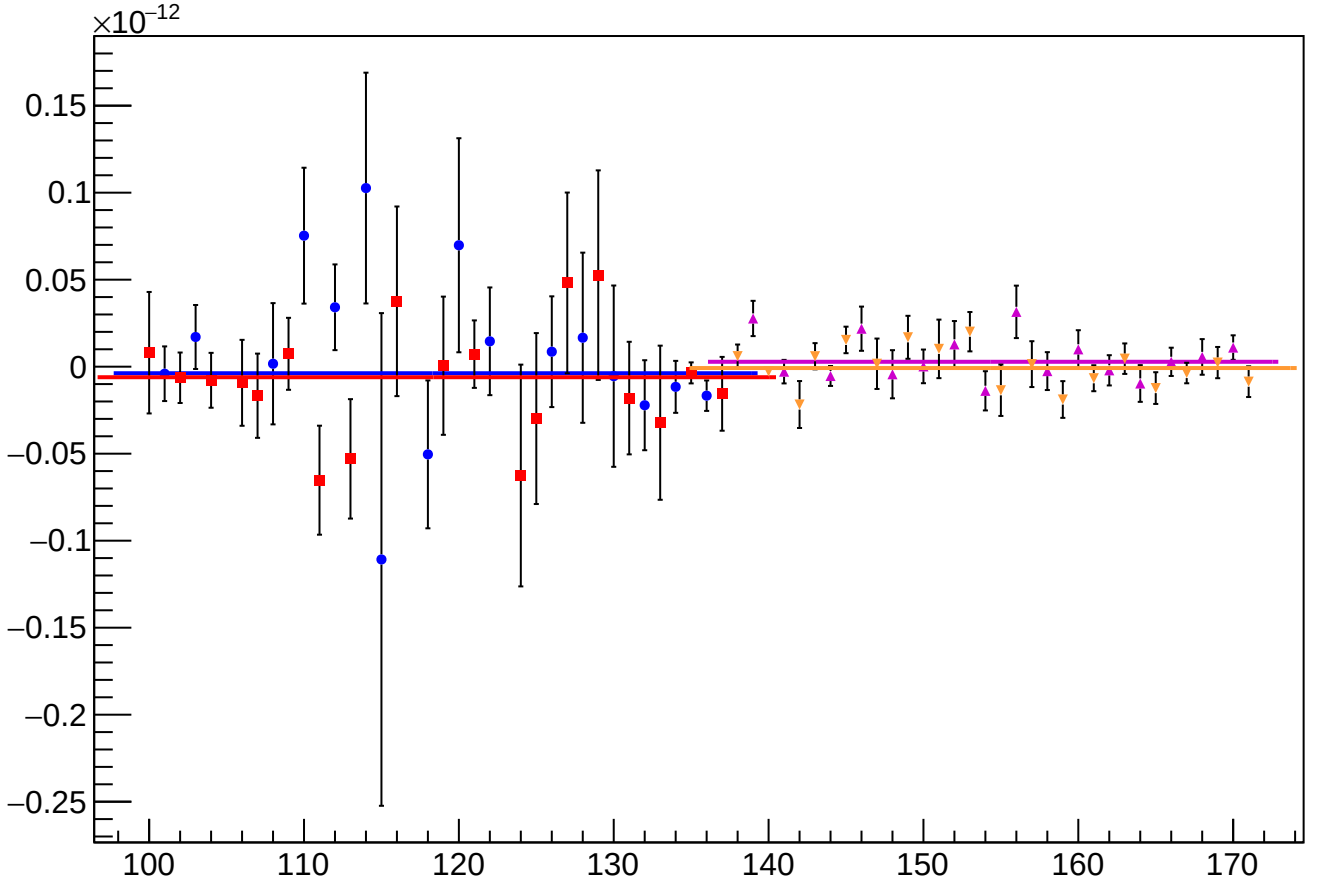
Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.567+/-0.005 χ^2/NDF:841124.7/15

+ sign 23.291+/-0.004 χ^2/NDF: 2870728.2/33

All: 23.282+/-0.003 χ^2/NDF: 5189471.1/68

- sign 23.273+/-0.004 χ^2/NDF: 2318731.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 11.3/18

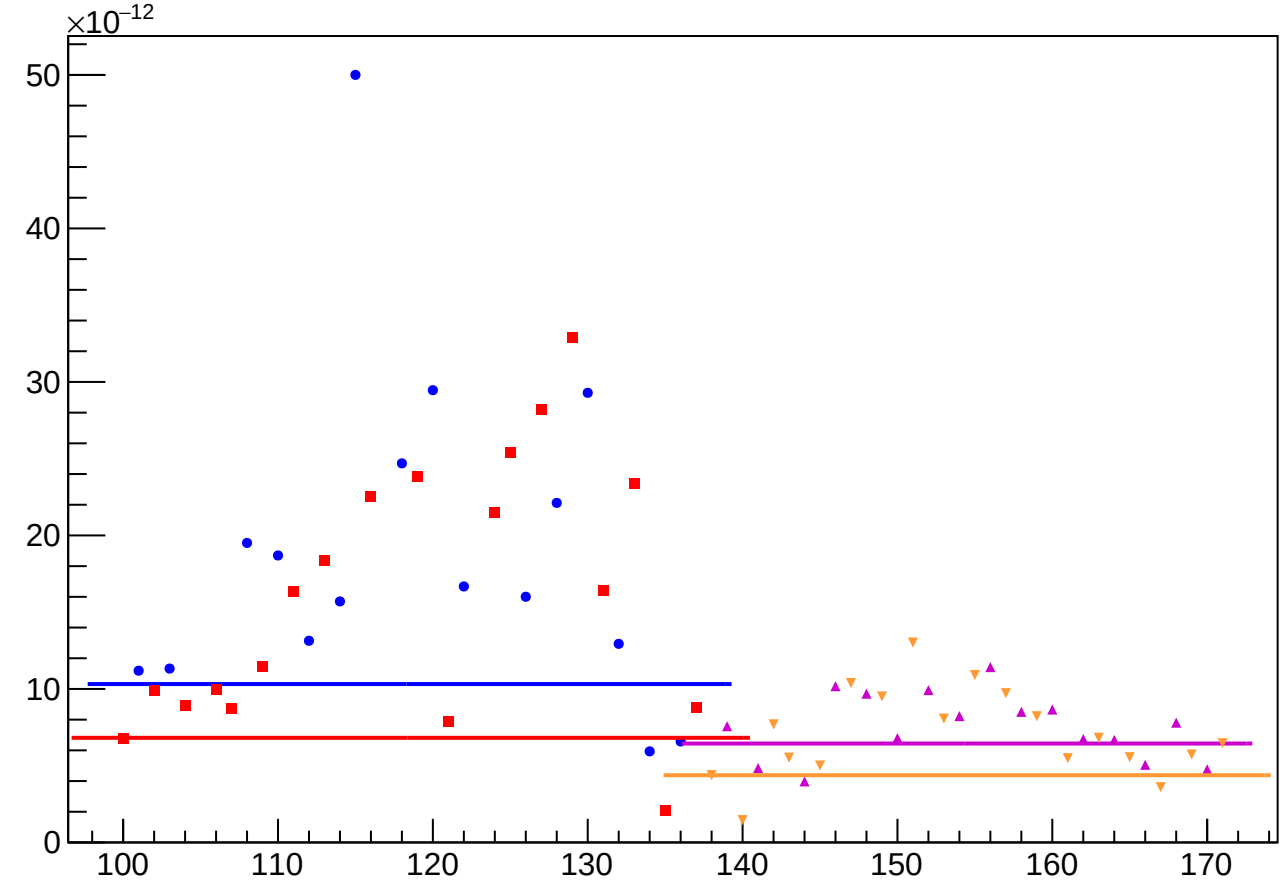
Left In: 0.000+/-0.000 χ^2/NDF:21.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/33

All: -0.000+/-0.000 χ^2/NDF: 76.7/68

- sign 0.000+/-0.000 χ^2/NDF: 36.1/34

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:5088474.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

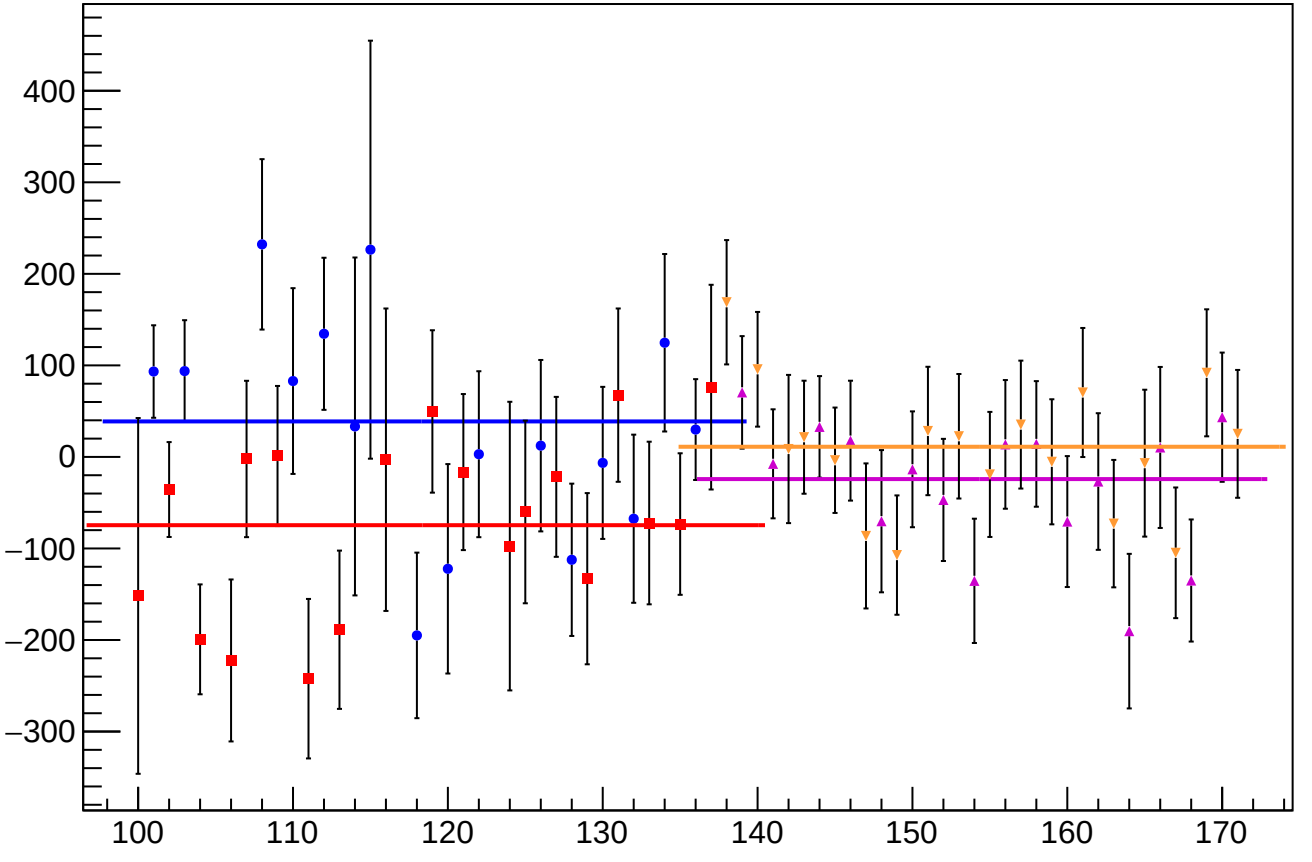
Left In: 0.000+/-0.000 χ^2/NDF:1561425.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 9157328.3/33

All: 0.000+/-0.000 χ^2/NDF: 15478960.5/68

- sign 0.000+/-0.000 χ^2/NDF: 5594760.6/34

reg_asym_sam_15_avg_mean vs Slug



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.105+/-16.205 χ^2/NDF:18.8/17

Right Out: -74.578+/-19.802 χ^2/NDF: 22.5/18

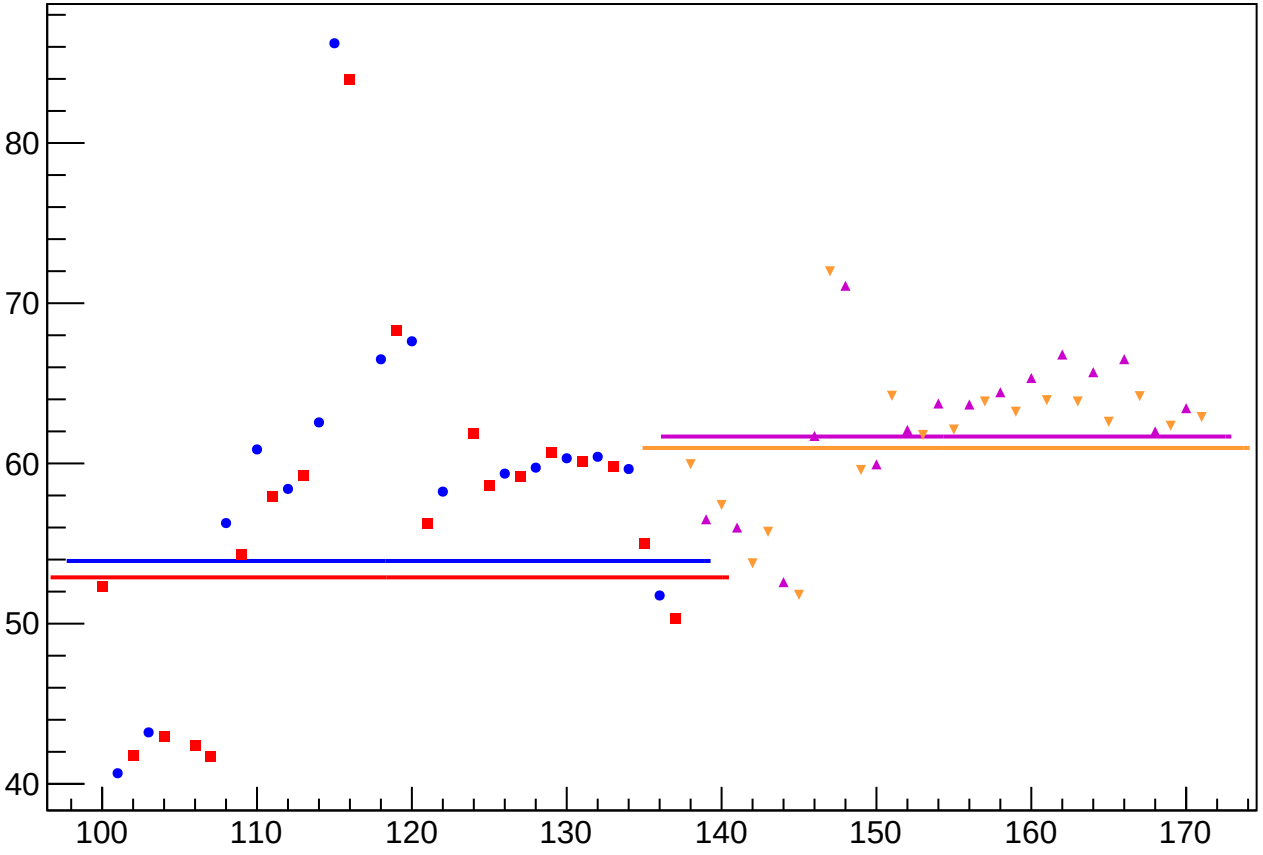
Left In: -24.208+/-17.033 χ^2/NDF:15.8/15

+ sign 21.805+/-12.692 χ^2/NDF: 43.3/33

All: -11.330+/-9.052 χ^2/NDF: 99.1/68

- sign -45.629+/-12.913 χ^2/NDF: 42.0/34

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

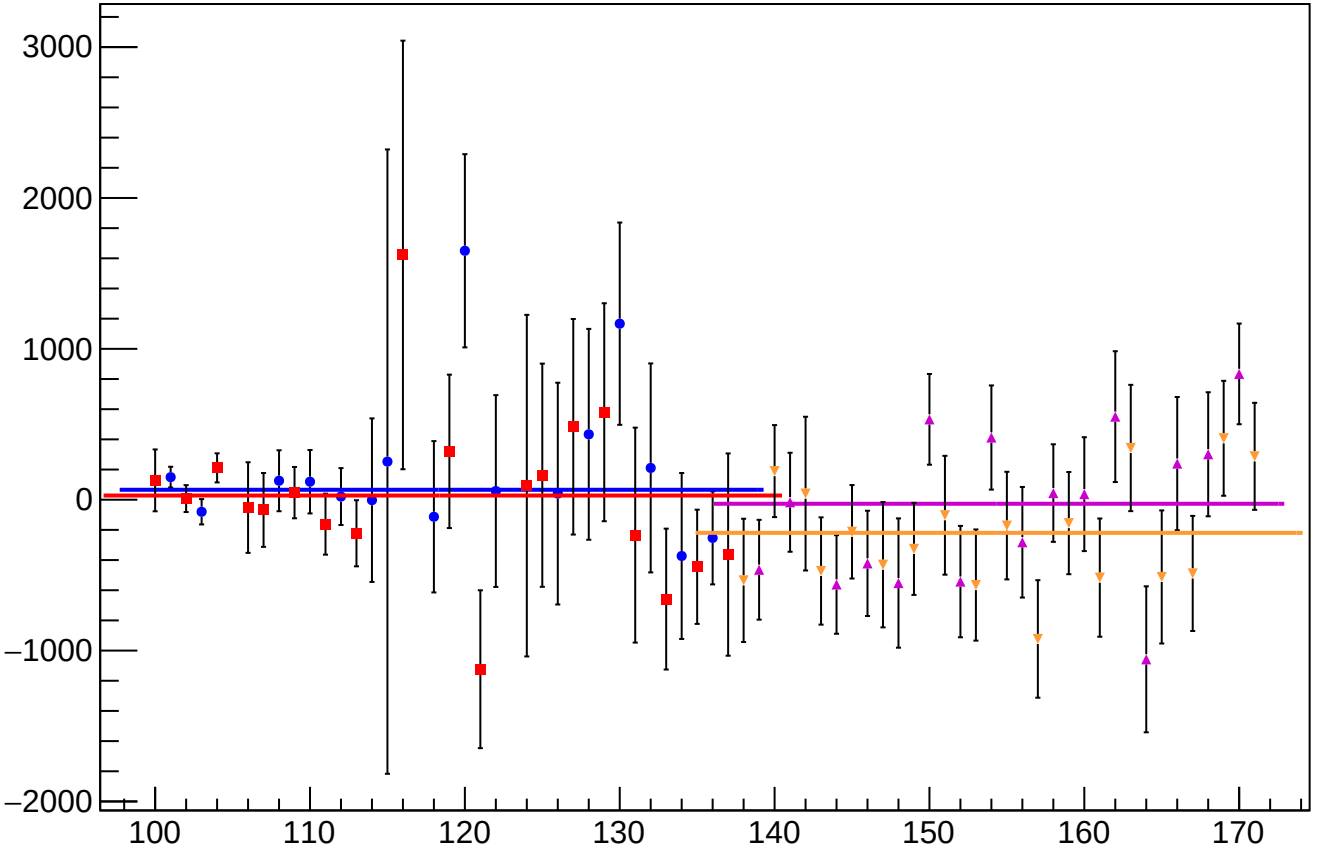
Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

+ sign 58.239+/-0.009 χ^2/NDF: 692267.3/33

All: 58.092+/-0.006 χ^2/NDF: 1494604.6/68

- sign 57.941+/-0.009 χ^2/NDF: 801794.3/34

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -219.601+/-87.195 χ^2/NDF:15.9/17

Right Out: 27.850+/-50.291 χ^2/NDF: 18.0/18

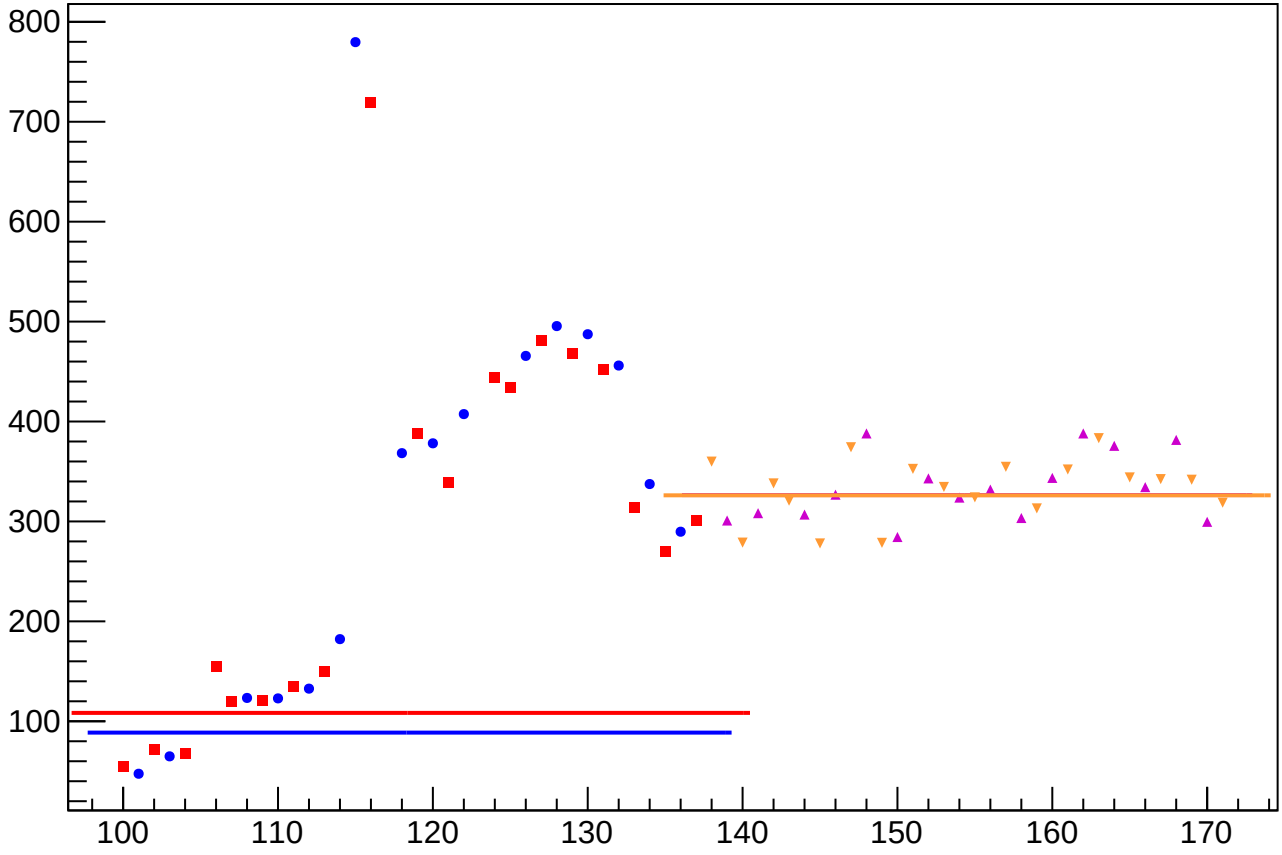
Left In: -26.846+/-90.573 χ^2/NDF:28.8/15

+ sign 2.693+/-41.015 χ^2/NDF: 39.9/33

All: 8.401+/-29.992 χ^2/NDF: 87.0/68

- sign 14.961+/-43.968 χ^2/NDF: 47.1/34

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 326.133+/-0.062 χ^2/NDF:268163.6/17

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

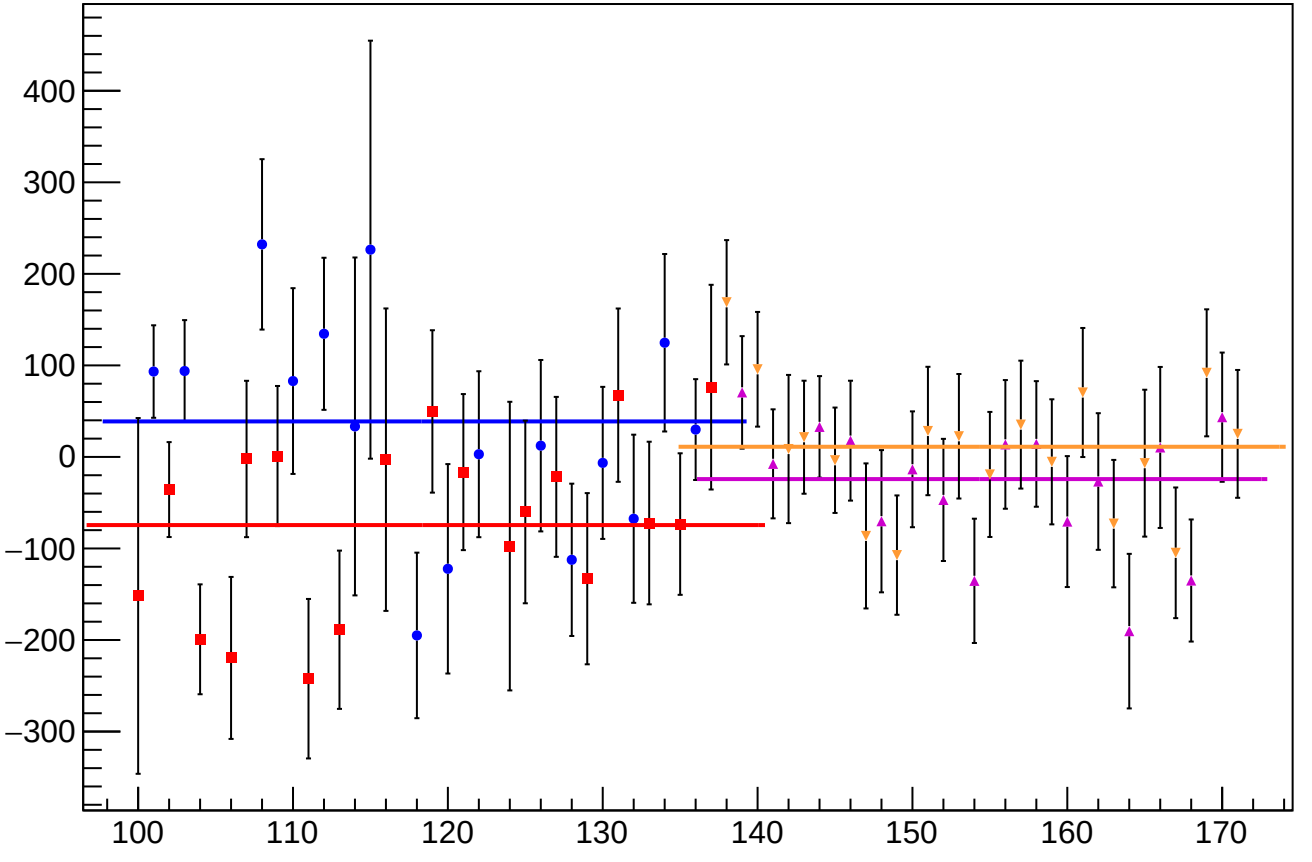
Left In: 326.392+/-0.064 χ^2/NDF:235161.4/15

+ sign 141.202+/-0.029 χ^2/NDF: 18468598.5/33

All: 149.837+/-0.021 χ^2/NDF: 33113572.3/68

- sign 159.760+/-0.031 χ^2/NDF: 14454471.0/34

cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.106+/-16.205 χ^2/NDF:18.8/17

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

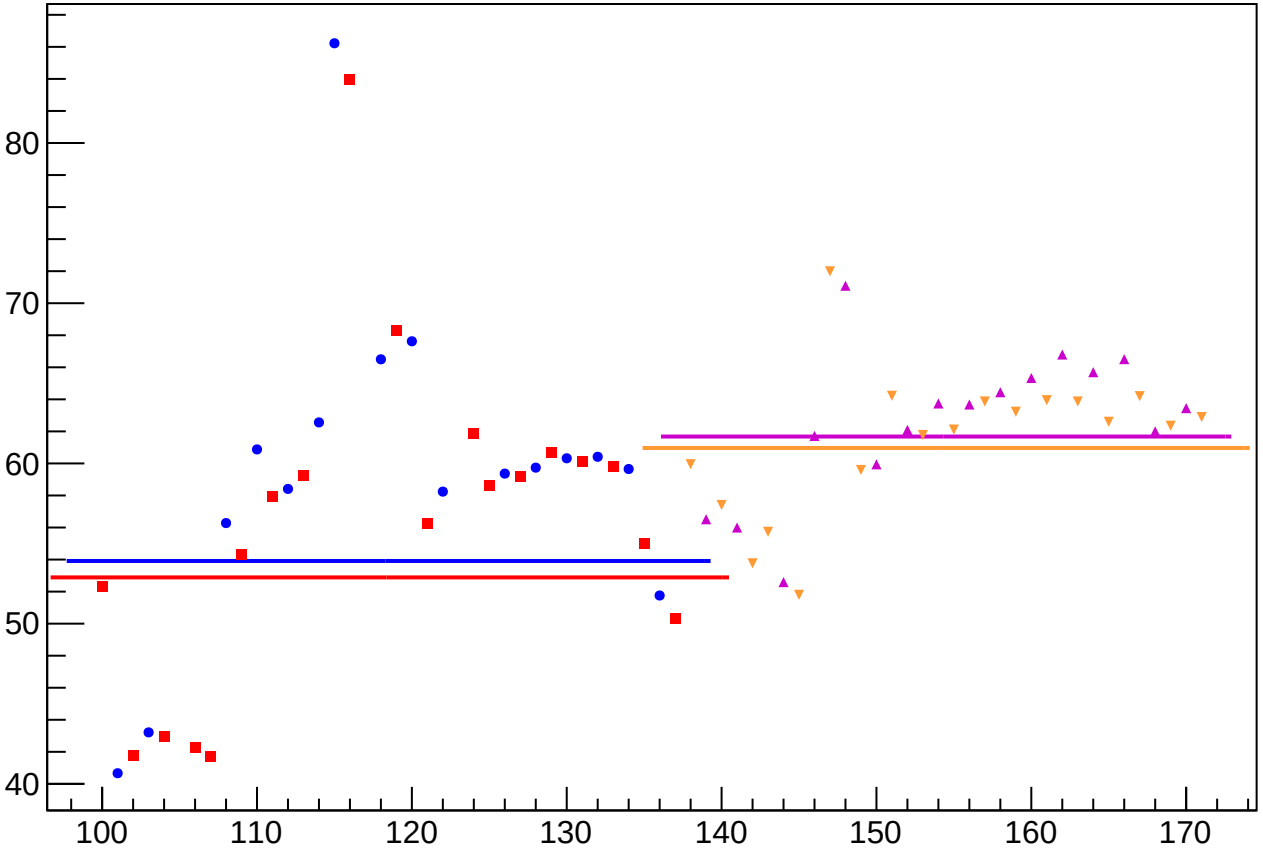
Left In: -24.205+/-17.033 χ^2/NDF:15.8/15

+ sign 21.810+/-12.692 χ^2/NDF: 43.3/33

All: -11.296+/-9.052 χ^2/NDF: 99.0/68

- sign -45.568+/-12.914 χ^2/NDF: 41.9/34

cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

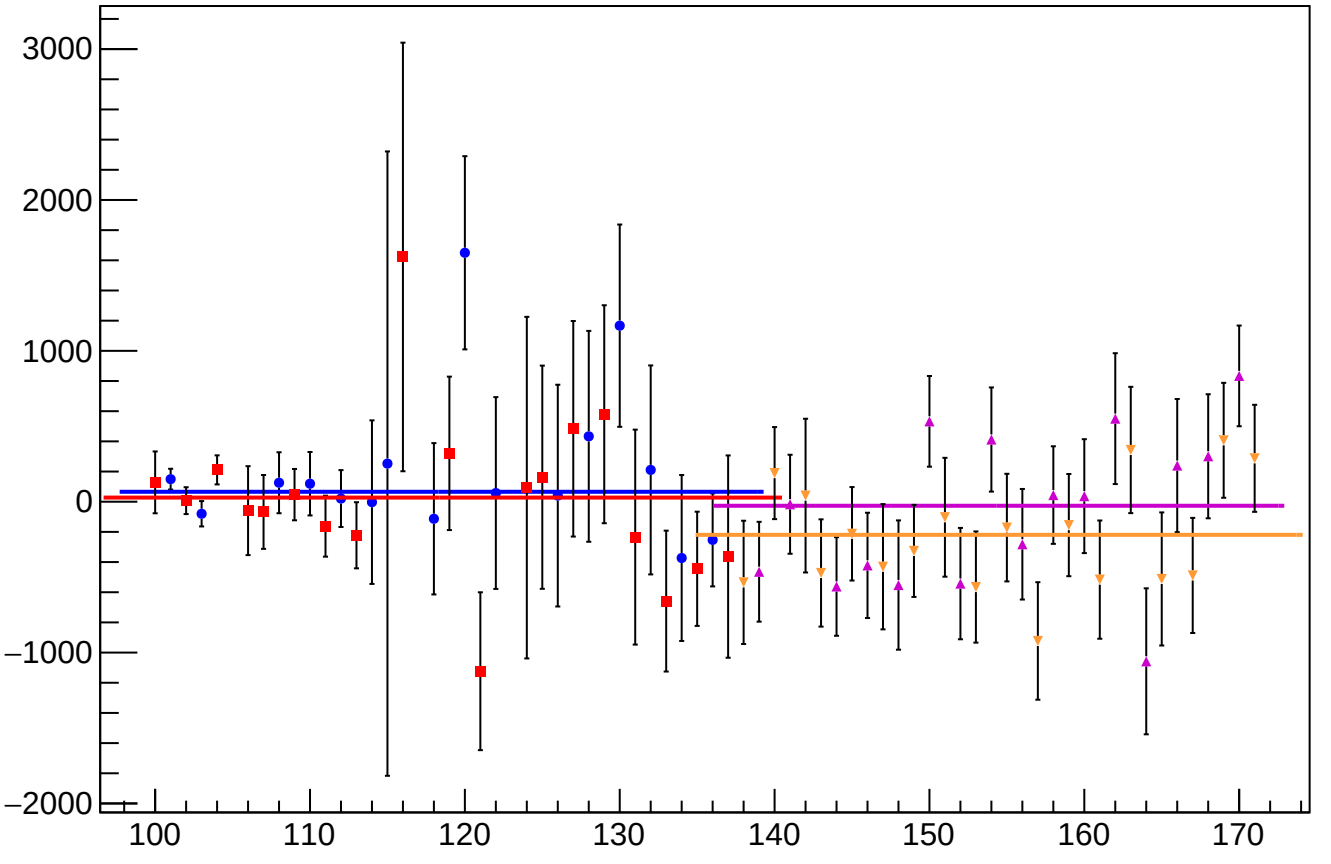
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

+ sign 58.239+/-0.009 χ^2/NDF: 692266.3/33

All: 58.092+/-0.006 χ^2/NDF: 1495010.9/68

- sign 57.940+/-0.009 χ^2/NDF: 802199.1/34



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -219.600+/-87.195 χ^2/NDF:15.9/17

Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

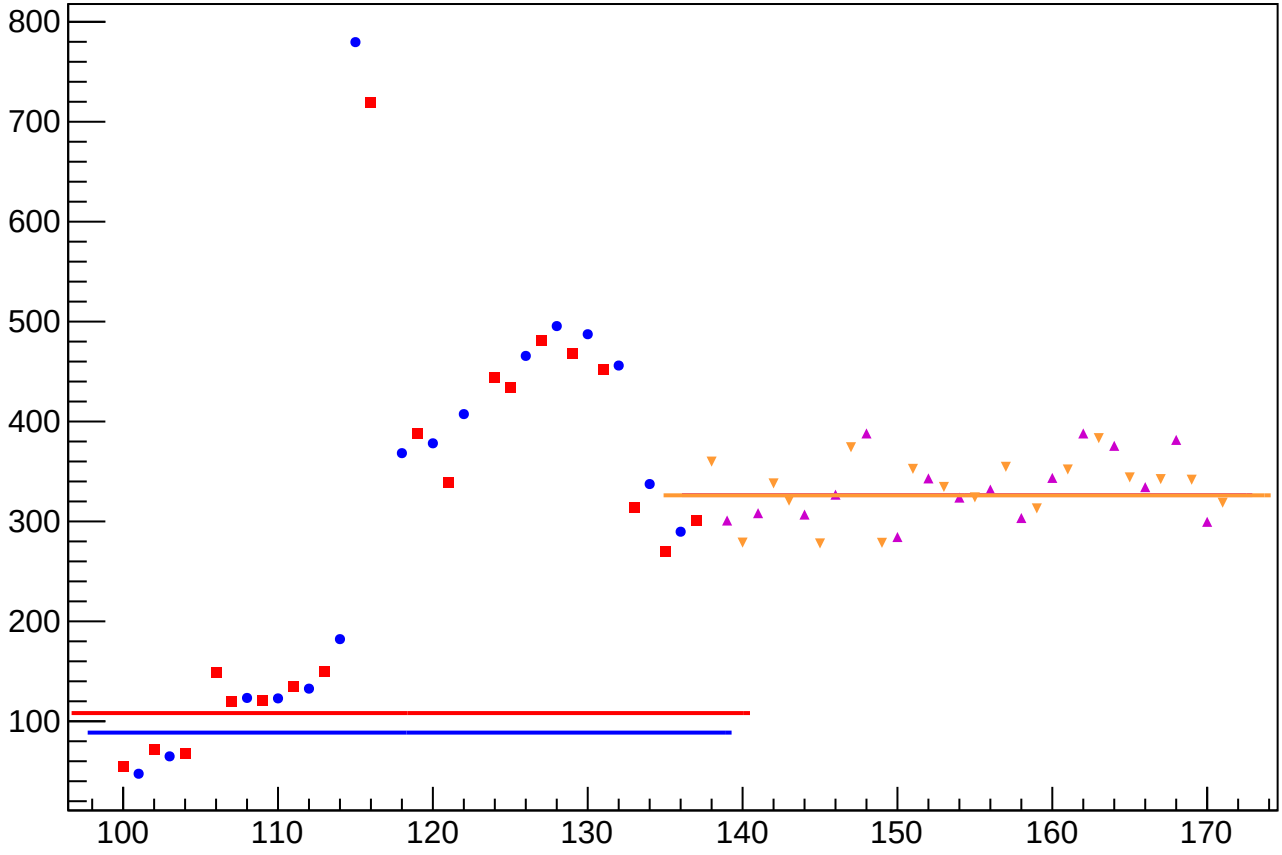
Left In: -26.844+/-90.573 χ^2/NDF:28.8/15

+ sign 2.698+/-41.015 χ^2/NDF: 39.9/33

All: 8.257+/-29.982 χ^2/NDF: 87.0/68

- sign 14.638+/-43.939 χ^2/NDF: 47.1/34

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 326.133+/-0.062 χ^2/NDF:268162.5/17

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

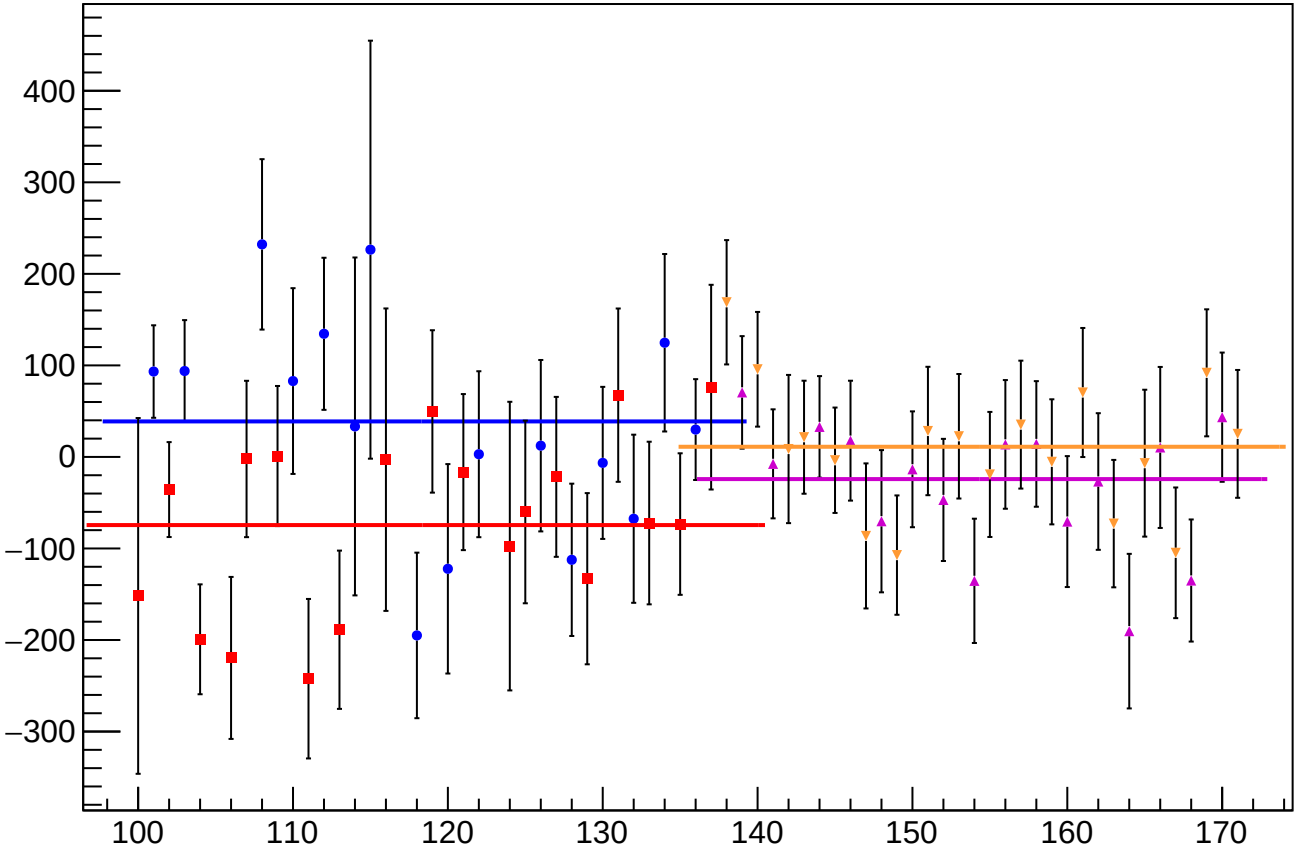
Left In: 326.392+/-0.064 χ^2/NDF:235166.7/15

+ sign 141.198+/-0.029 χ^2/NDF: 18469041.3/33

All: 149.746+/-0.021 χ^2/NDF: 33120164.2/68

- sign 159.556+/-0.031 χ^2/NDF: 14464562.8/34

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.106+/-16.205 χ^2/NDF:18.8/17

Right Out: -74.442+/-19.803 χ^2/NDF: 22.3/18

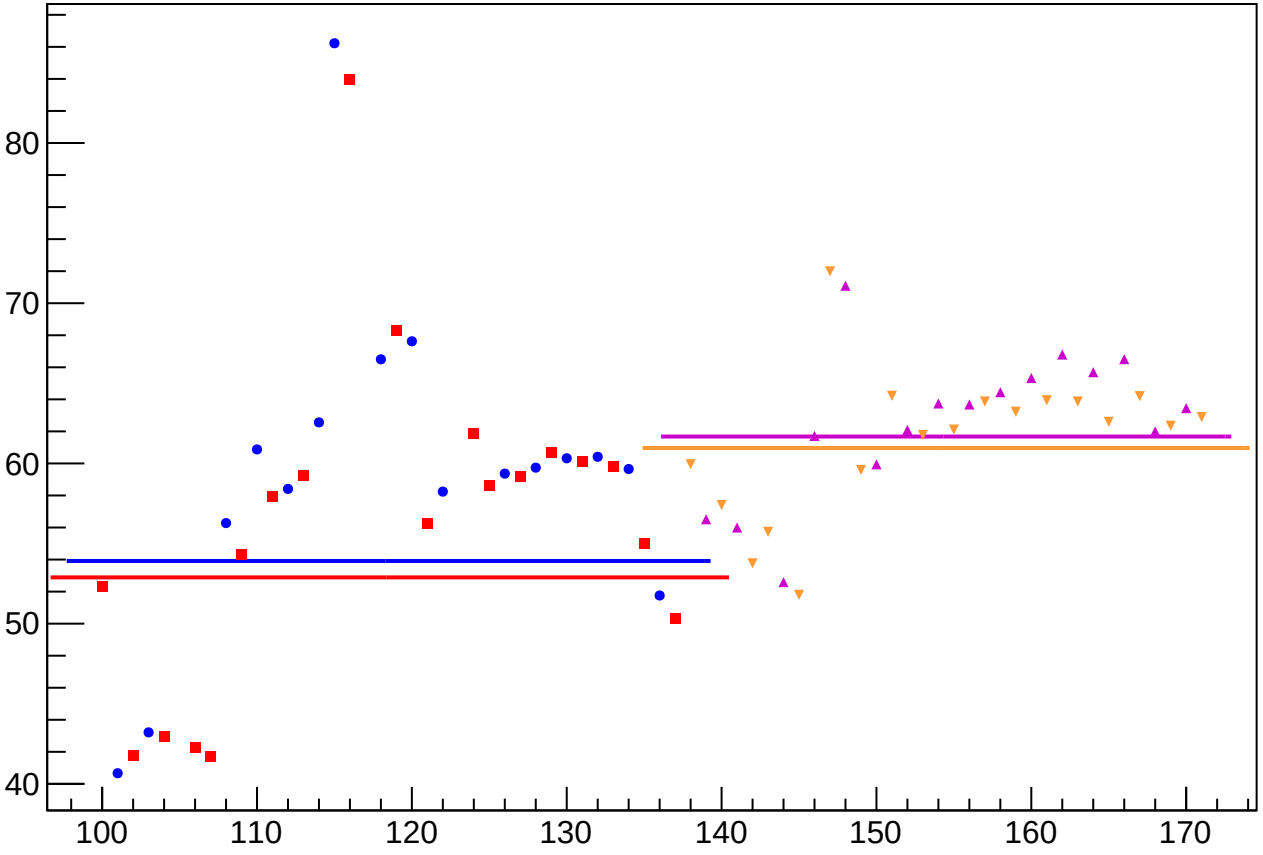
Left In: -24.205+/-17.033 χ^2/NDF:15.8/15

+ sign 21.810+/-12.692 χ^2/NDF: 43.3/33

All: -11.296+/-9.052 χ^2/NDF: 99.0/68

- sign -45.568+/-12.914 χ^2/NDF: 41.9/34

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

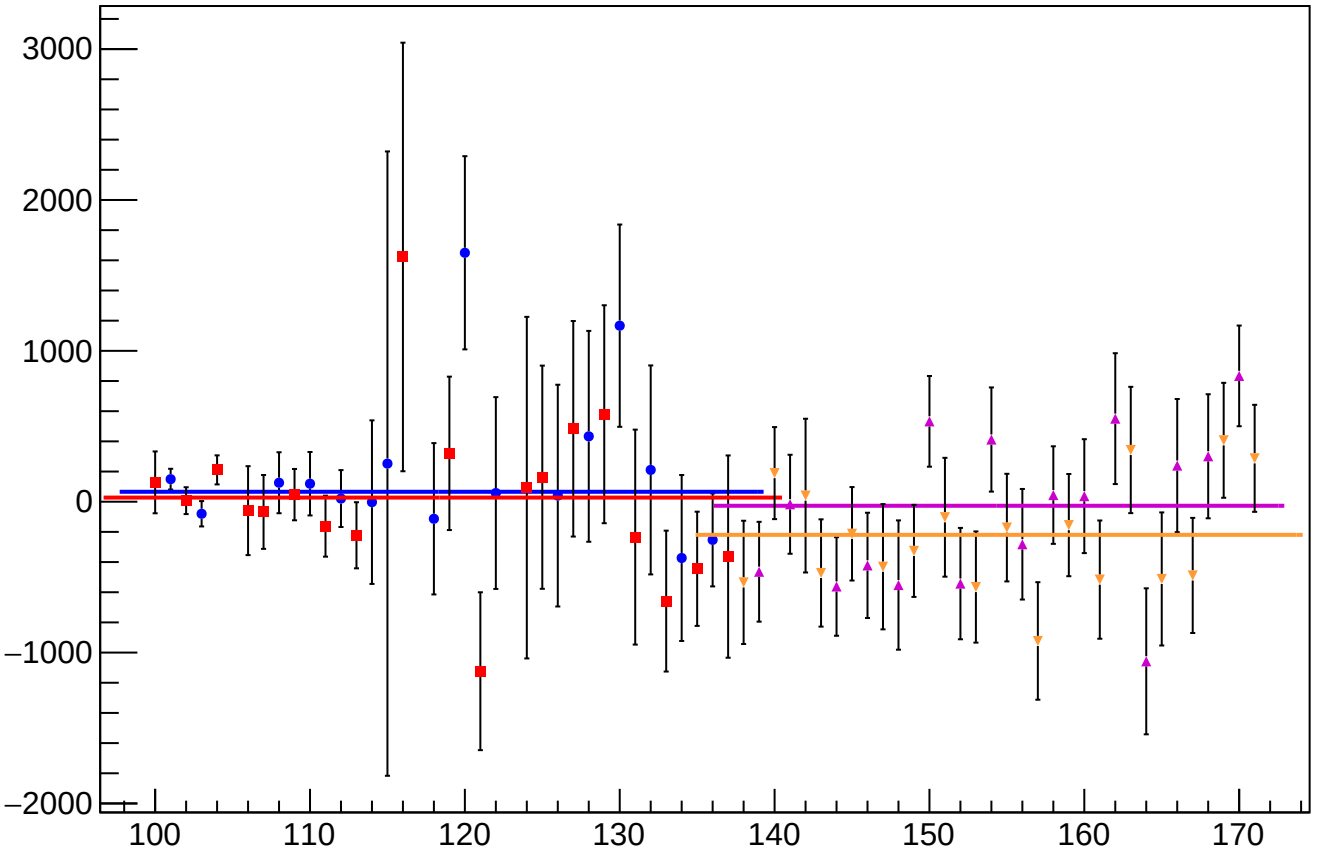
Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.679+/-0.012 χ^2/NDF:150079.0/15

+ sign 58.239+/-0.009 χ^2/NDF: 692266.3/33

All: 58.092+/-0.006 χ^2/NDF: 1495010.9/68

- sign 57.940+/-0.009 χ^2/NDF: 802199.1/34



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -219.600+/-87.195 χ^2/NDF:15.9/17

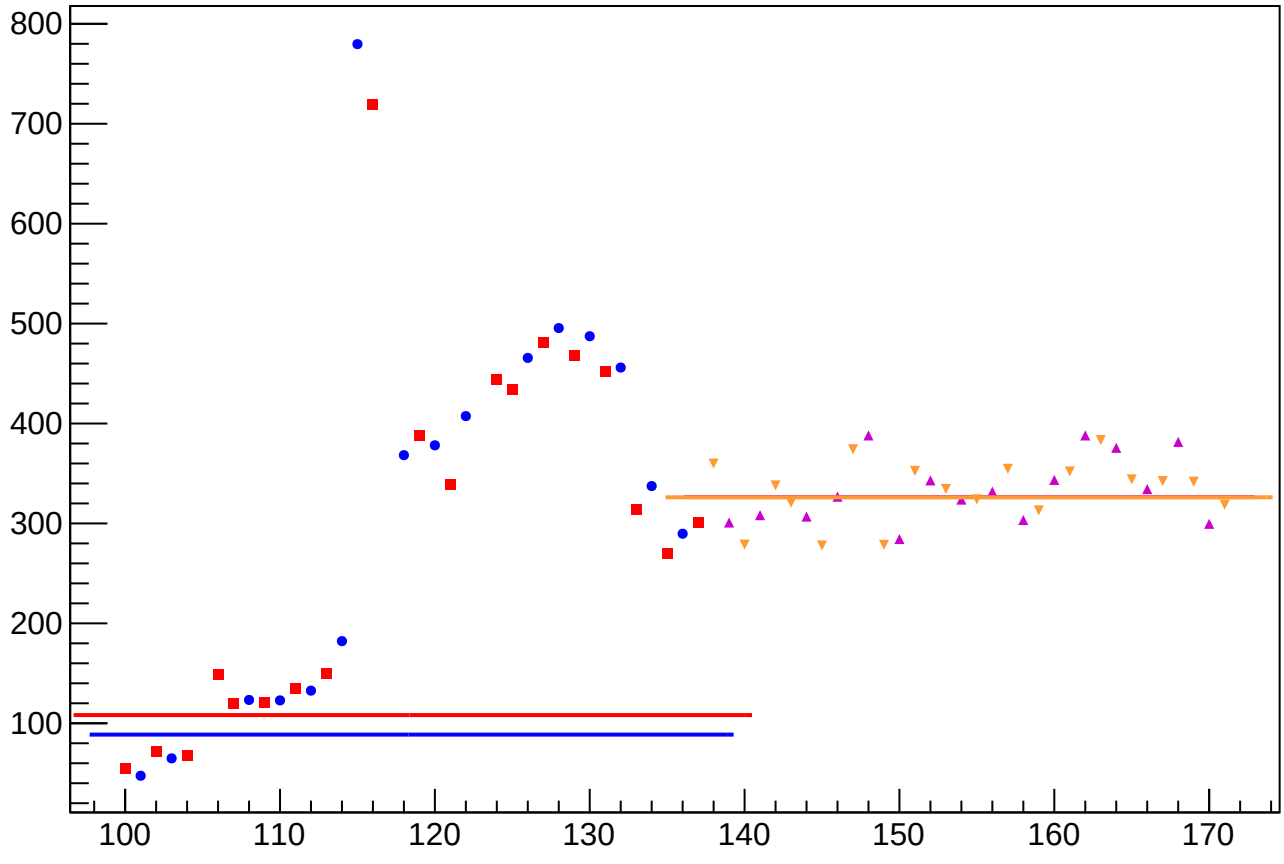
Right Out: 27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: -26.844+/-90.573 χ^2/NDF:28.8/15

+ sign 2.698+/-41.015 χ^2/NDF: 39.9/33

All: 8.257+/-29.982 χ^2/NDF: 87.0/68

- sign 14.638+/-43.939 χ^2/NDF: 47.1/34



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 326.133+/-0.062 χ^2/NDF:268162.5/17

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

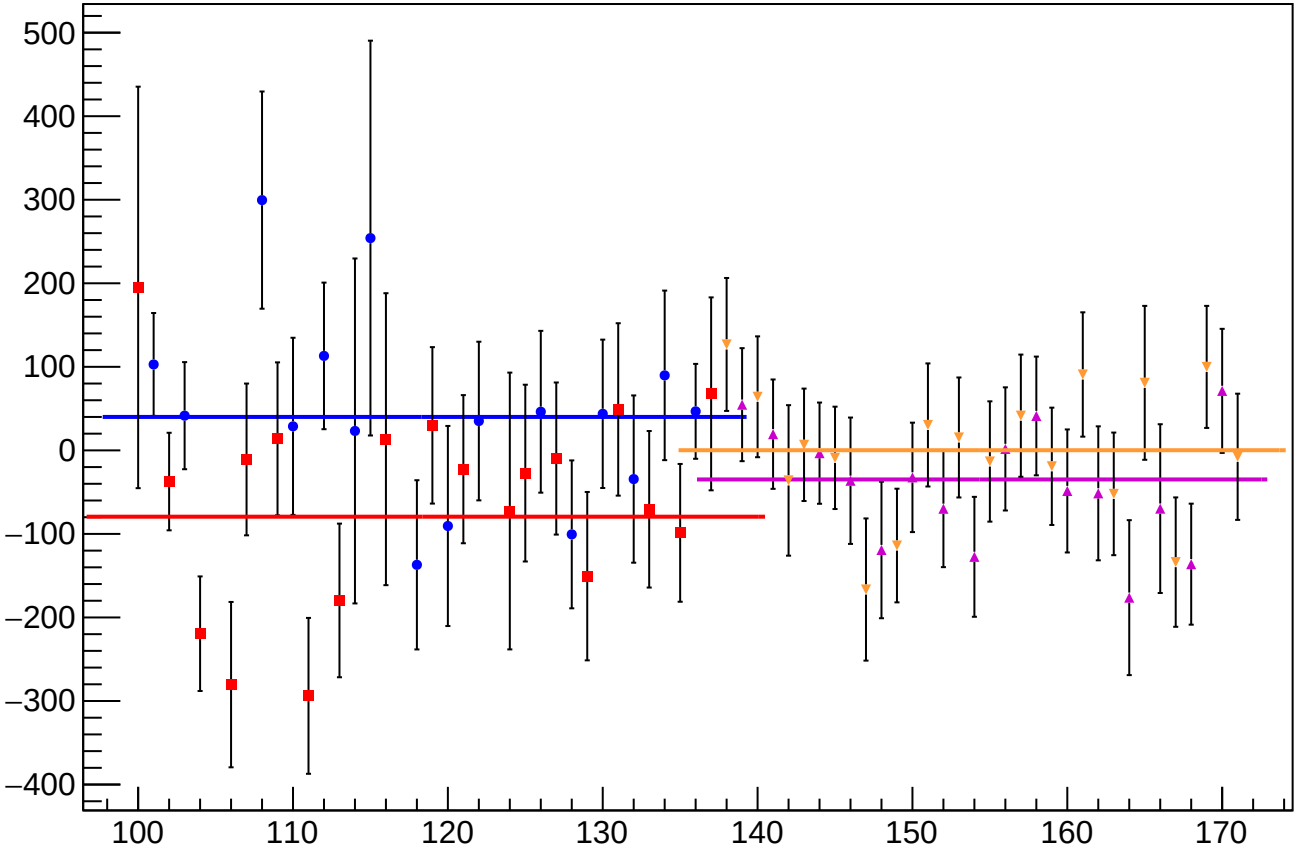
Left In: 326.392+/-0.064 χ^2/NDF:235166.7/15

+ sign 141.198+/-0.029 χ^2/NDF: 18469041.3/33

All: 149.746+/-0.021 χ^2/NDF: 33120164.2/68

- sign 159.556+/-0.031 χ^2/NDF: 14464562.8/34

dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.177+/-17.438 χ^2/NDF:18.4/17

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

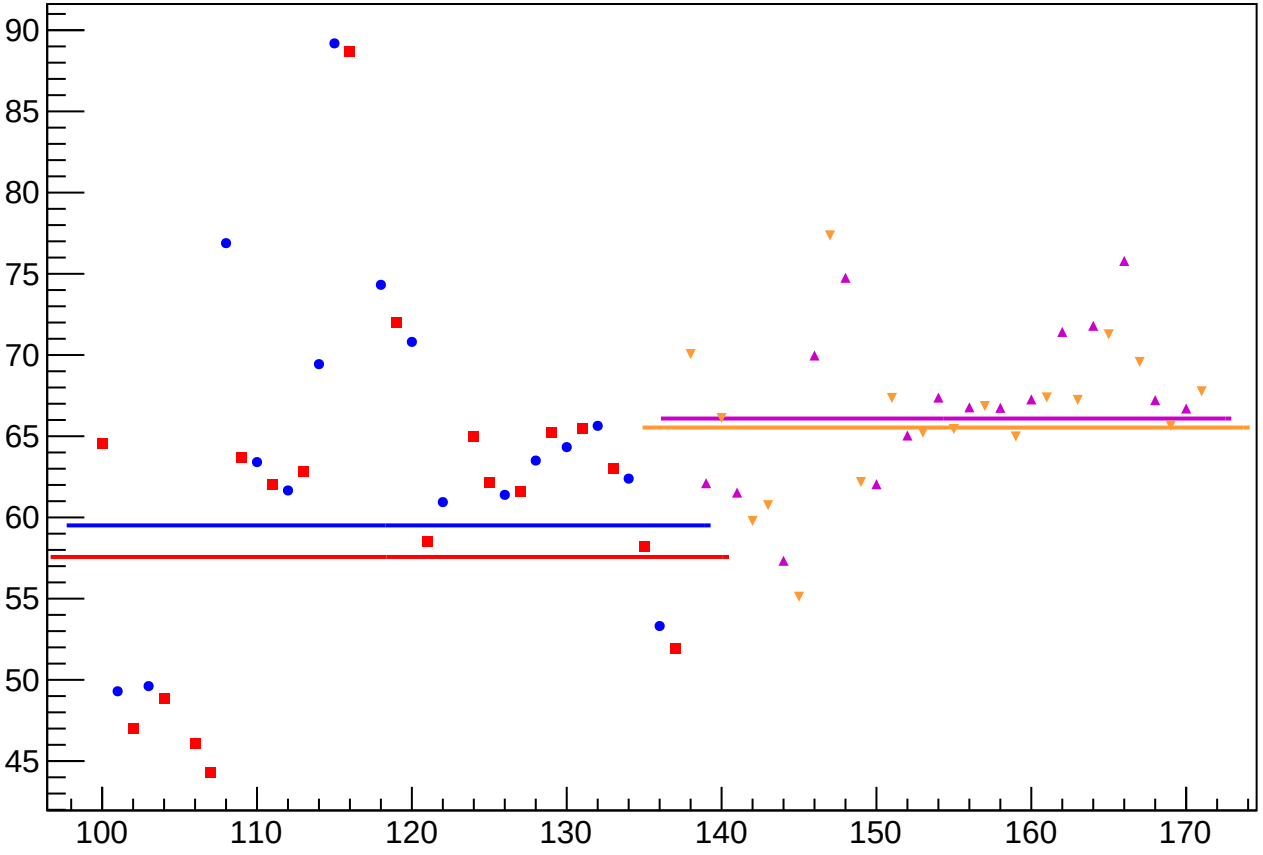
Left In: -34.802+/-18.291 χ^2/NDF:13.6/15

+ sign 15.120+/-13.787 χ^2/NDF: 34.5/33

All: -18.751+/-9.807 χ^2/NDF: 87.6/68

- sign -53.441+/-13.952 χ^2/NDF: 40.9/34

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.534+/-0.012 χ^2/NDF:145493.9/17

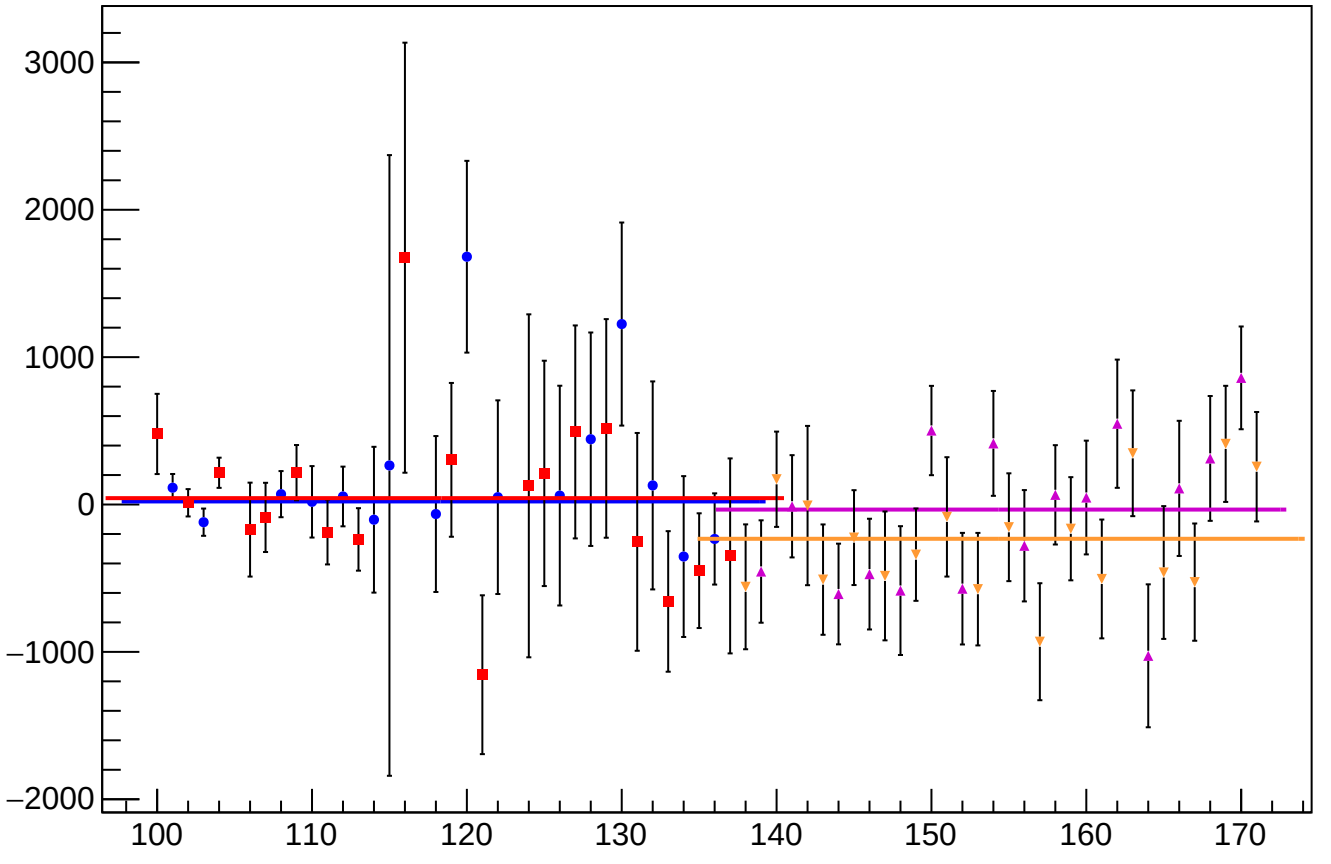
Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.089+/-0.013 χ^2/NDF:131257.3/15

+ sign 63.275+/-0.010 χ^2/NDF: 518221.0/33

All: 62.905+/-0.007 χ^2/NDF: 1181325.0/68

- sign 62.526+/-0.010 χ^2/NDF: 660186.8/34



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -232.571+/-90.426 χ^2/NDF:15.0/17

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

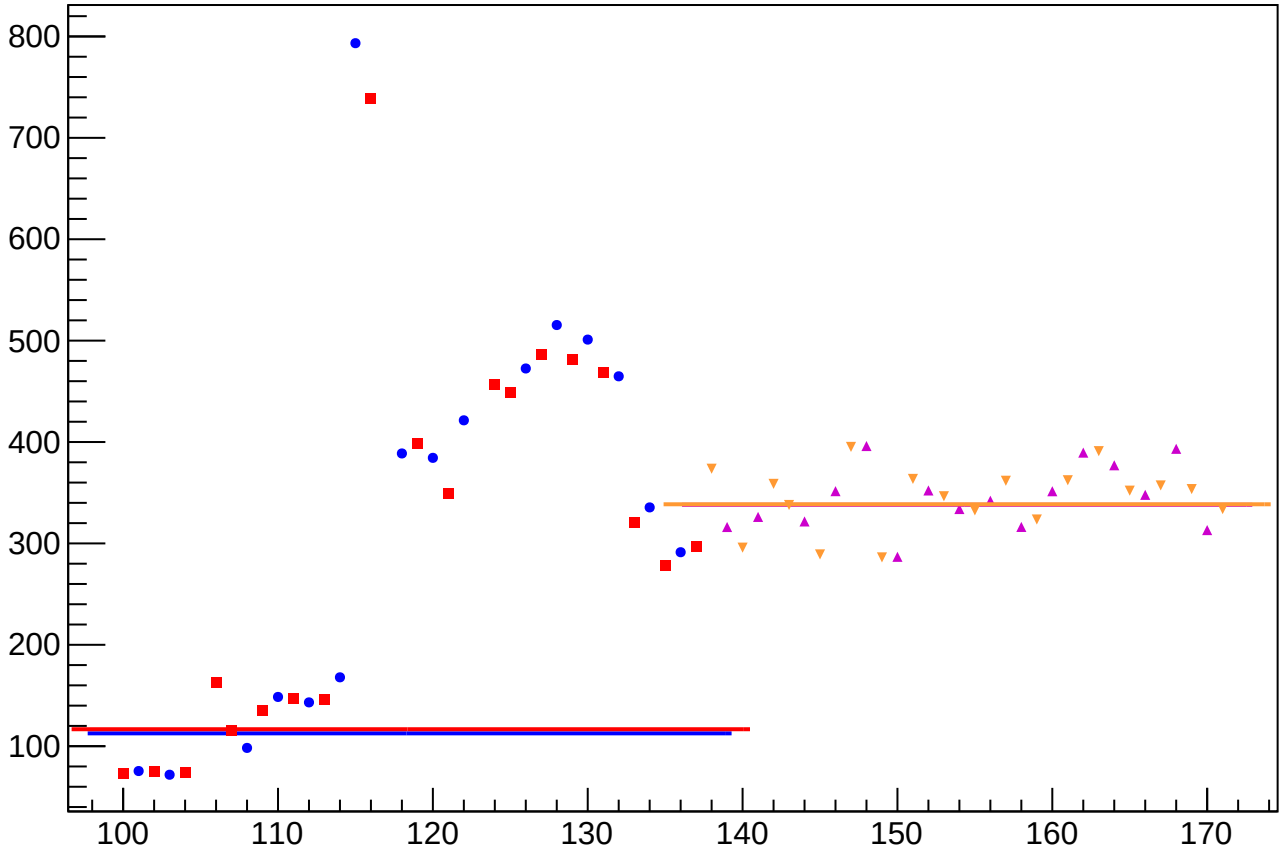
Left In: -34.354+/-93.718 χ^2/NDF:27.8/15

+ sign -45.020+/-46.099 χ^2/NDF: 35.4/33

All: -10.469+/-32.658 χ^2/NDF: 86.4/68

- sign 24.341+/-46.272 χ^2/NDF: 49.9/34

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 338.599+/-0.064 χ^2/NDF:254060.2/17

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

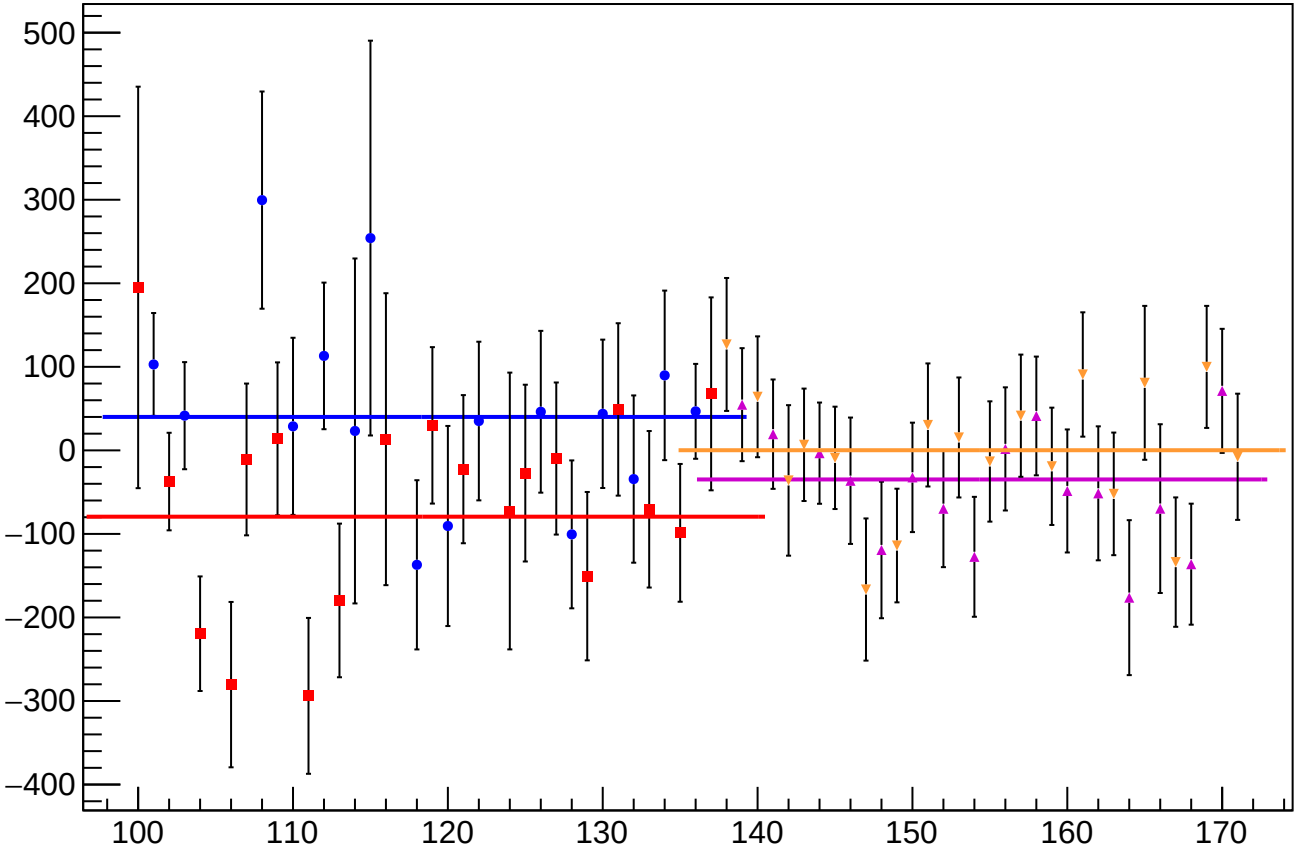
Left In: 338.068+/-0.066 χ^2/NDF:210115.5/15

\+ sign 171.386+/-0.033 χ^2/NDF: 15094048.4/33

All: 171.039+/-0.023 χ^2/NDF: 28881773.5/68

\- sign 170.689+/-0.033 χ^2/NDF: 13787497.5/34

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.177+/-17.438 χ^2/NDF:18.4/17

Right Out: -79.378+/-21.577 χ^2/NDF: 24.8/18

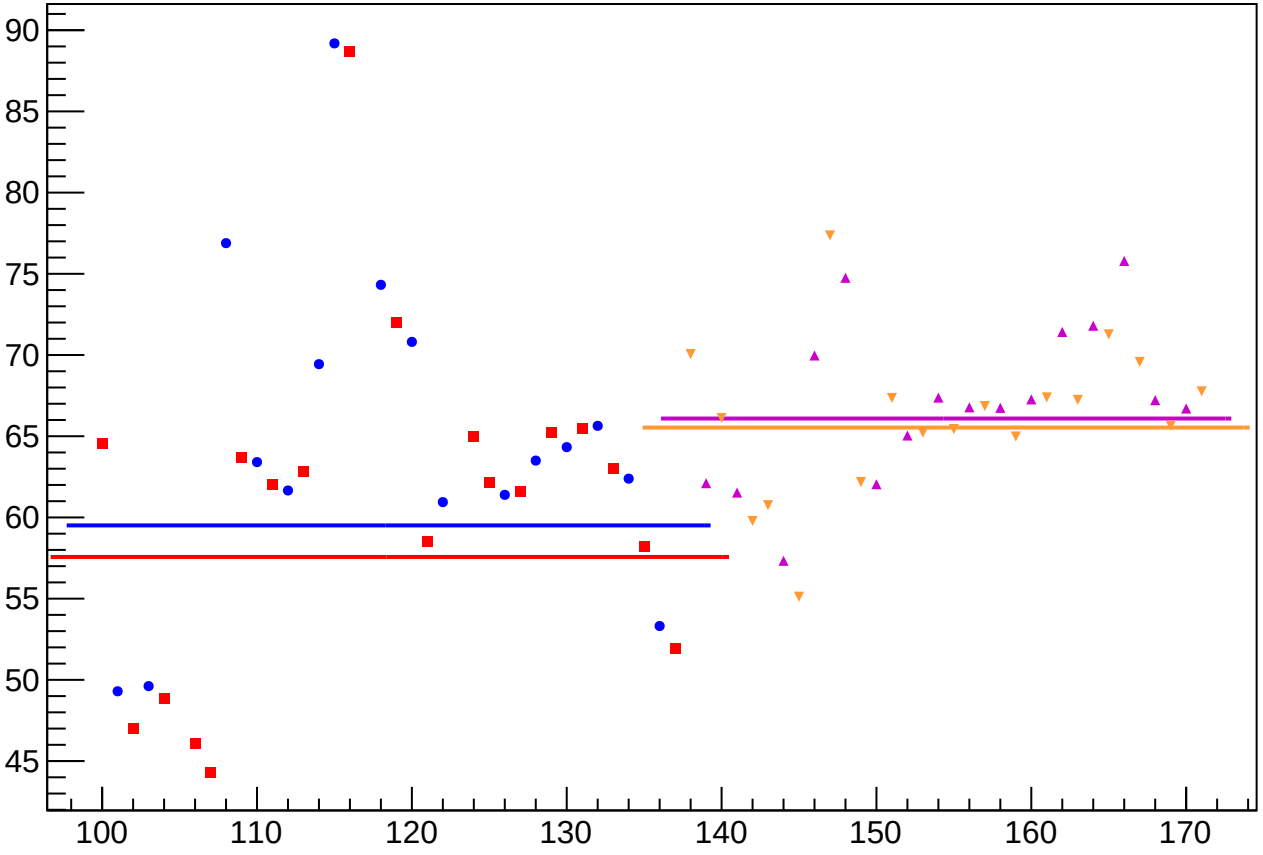
Left In: -34.803+/-18.291 χ^2/NDF:13.6/15

+ sign 15.121+/-13.787 χ^2/NDF: 34.5/33

All: -18.750+/-9.807 χ^2/NDF: 87.6/68

- sign -53.441+/-13.952 χ^2/NDF: 40.9/34

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.534+/-0.012 χ^2/NDF:145496.0/17

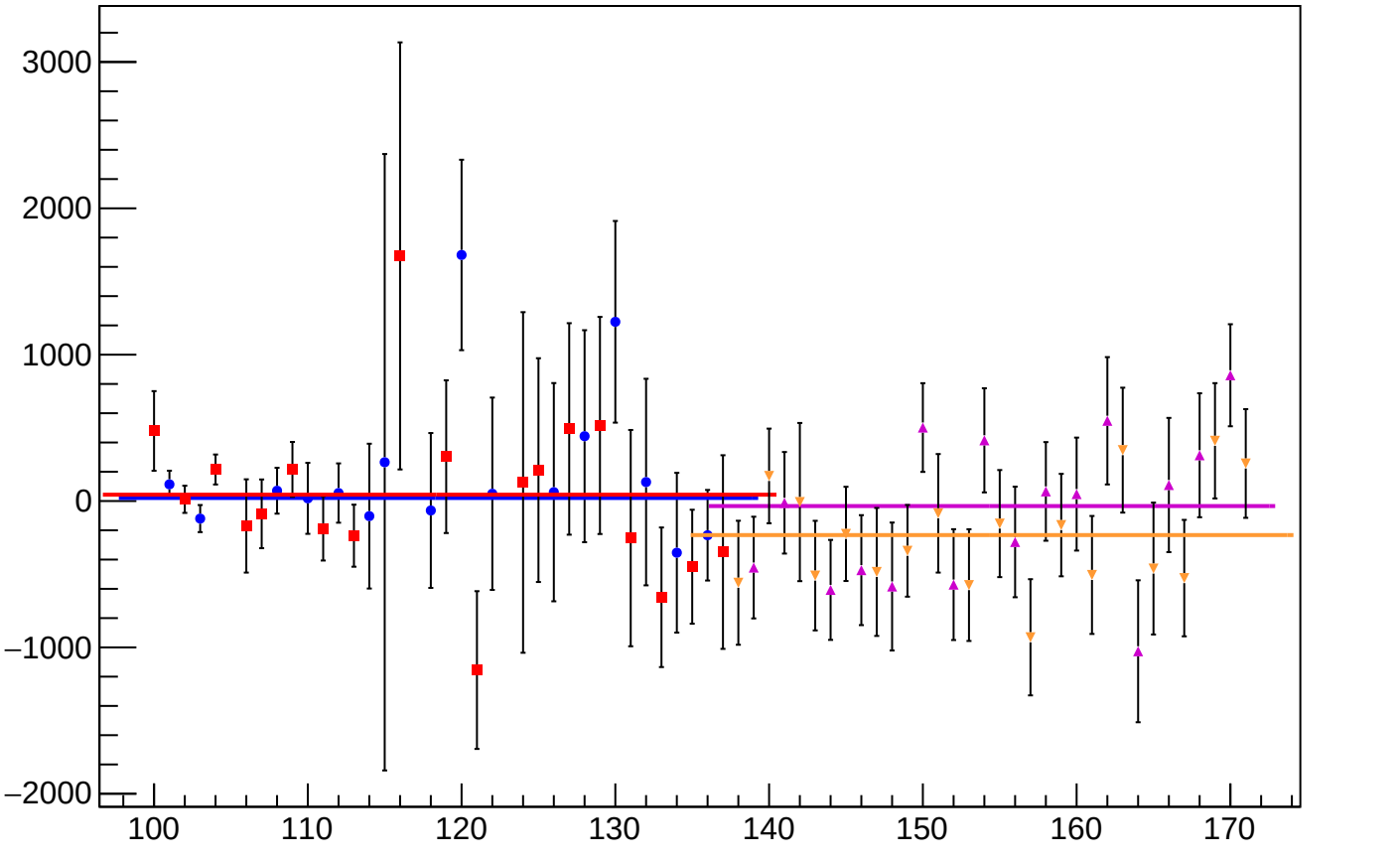
Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.089+/-0.013 χ^2/NDF:131253.4/15

+ sign 63.275+/-0.010 χ^2/NDF: 518226.4/33

All: 62.905+/-0.007 χ^2/NDF: 1181331.9/68

- sign 62.526+/-0.010 χ^2/NDF: 660188.4/34



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -232.570+/-90.426 χ^2/NDF:15.0/17

Right Out: 43.262+/-53.210 χ^2/NDF: 21.5/18

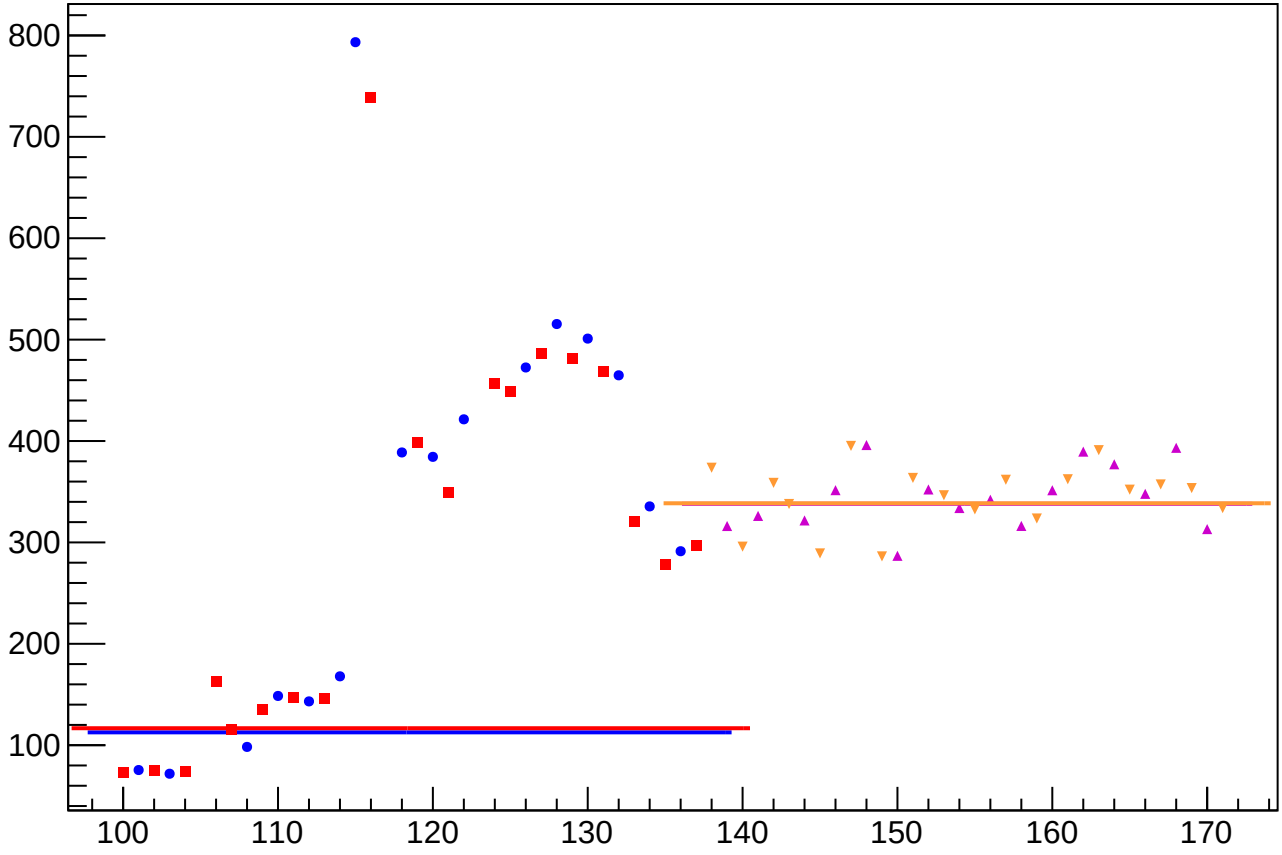
Left In: -34.354+/-93.718 χ^2/NDF:27.8/15

+ sign -45.019+/-46.099 χ^2/NDF: 35.4/33

All: -10.469+/-32.658 χ^2/NDF: 86.4/68

- sign 24.341+/-46.272 χ^2/NDF: 49.9/34

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 338.600+/-0.064 χ^2/NDF:254058.7/17

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

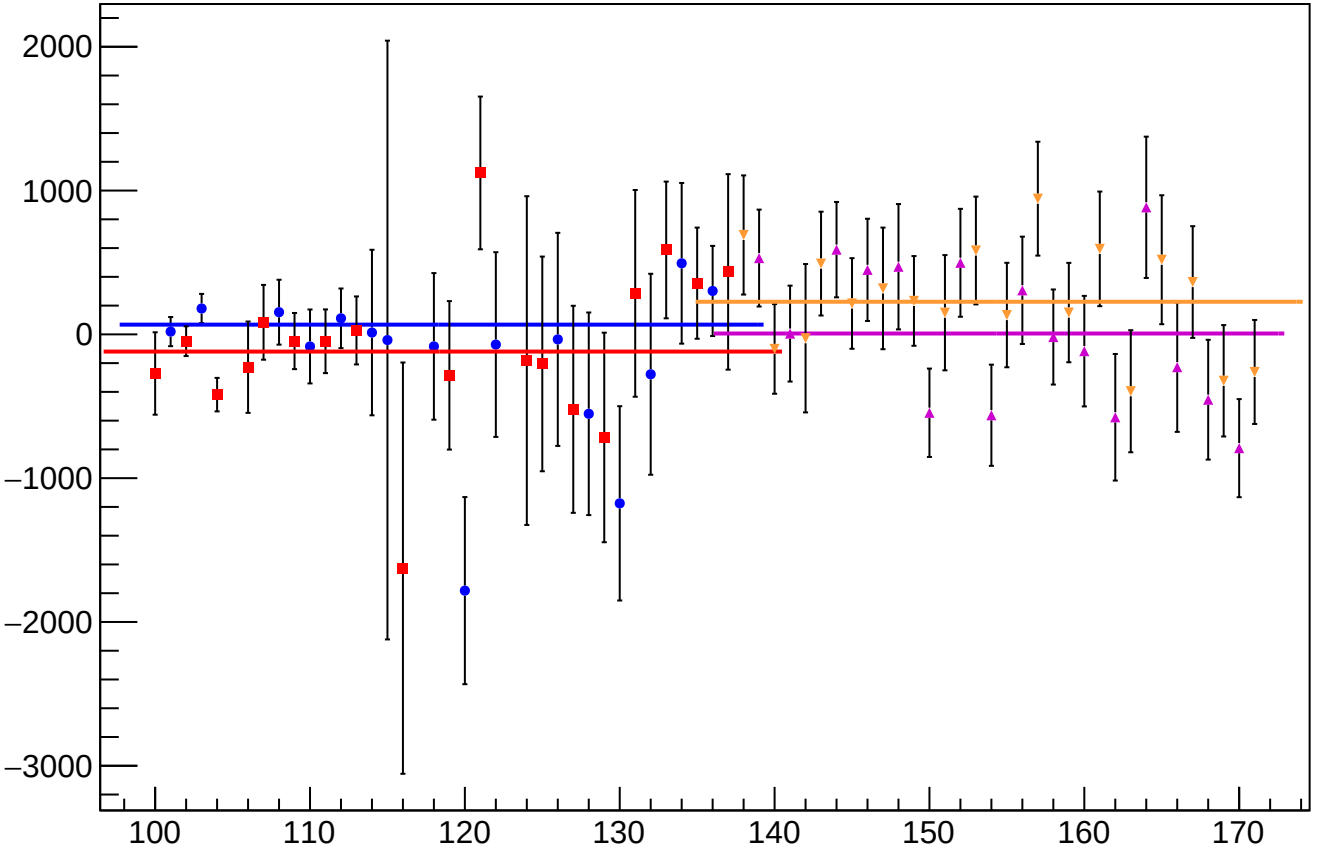
Left In: 338.069+/-0.066 χ^2/NDF:210110.2/15

+ sign 171.386+/-0.033 χ^2/NDF: 15094101.6/33

All: 171.039+/-0.023 χ^2/NDF: 28881886.7/68

- sign 170.689+/-0.033 χ^2/NDF: 13787557.4/34

asym_sam_15_avg_mean vs Slug



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 226.798+/-88.759 χ^2/NDF:14.9/17

Right Out: -119.635+/-57.941 χ^2/NDF: 21.1/18

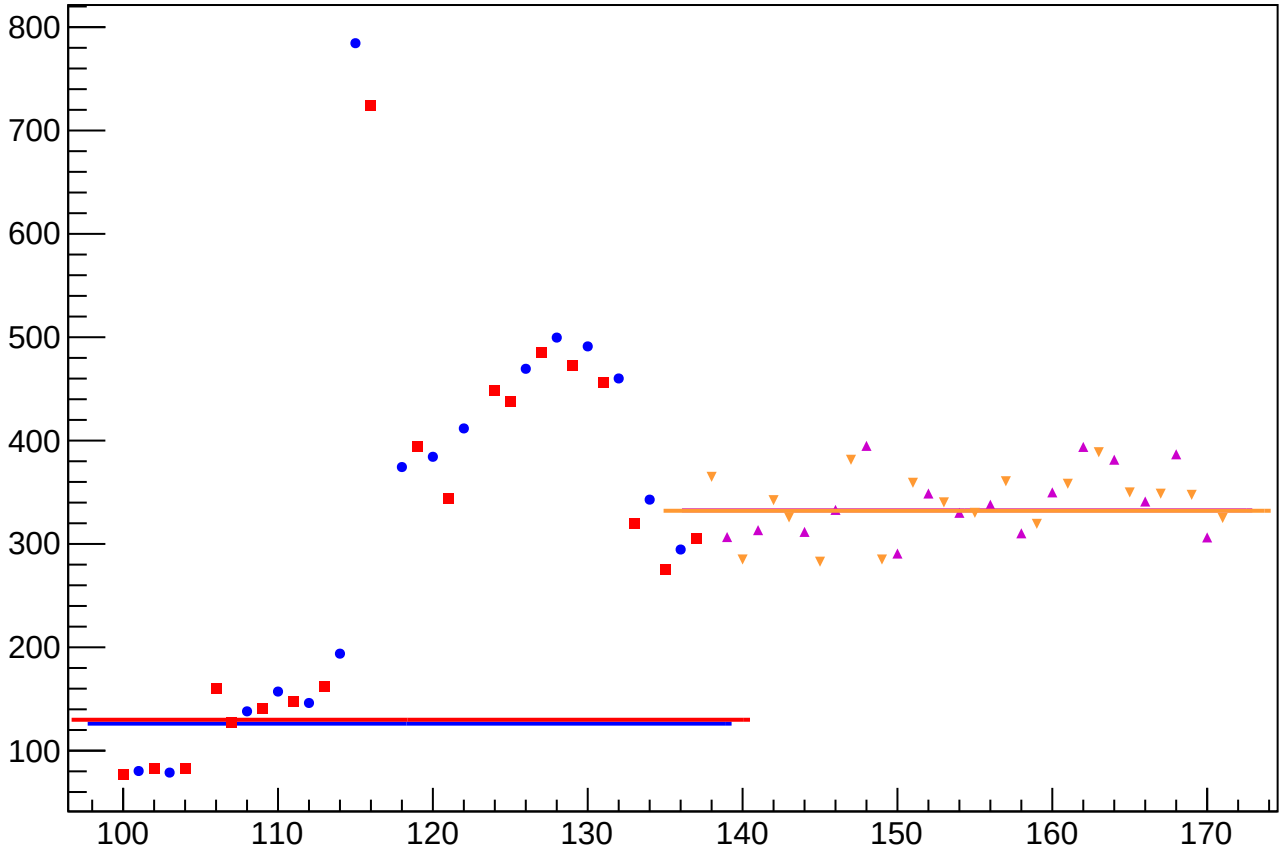
Left In: 6.008+/-92.238 χ^2/NDF:28.4/15

+ sign 116.594+/-49.233 χ^2/NDF: 32.9/33

All: 15.911+/-34.753 χ^2/NDF: 92.1/68

- sign -84.085+/-49.064 χ^2/NDF: 50.9/34

asym_sam_15_avg_rms vs Slug



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 332.114+/-0.063 χ^2/NDF:259620.1/17

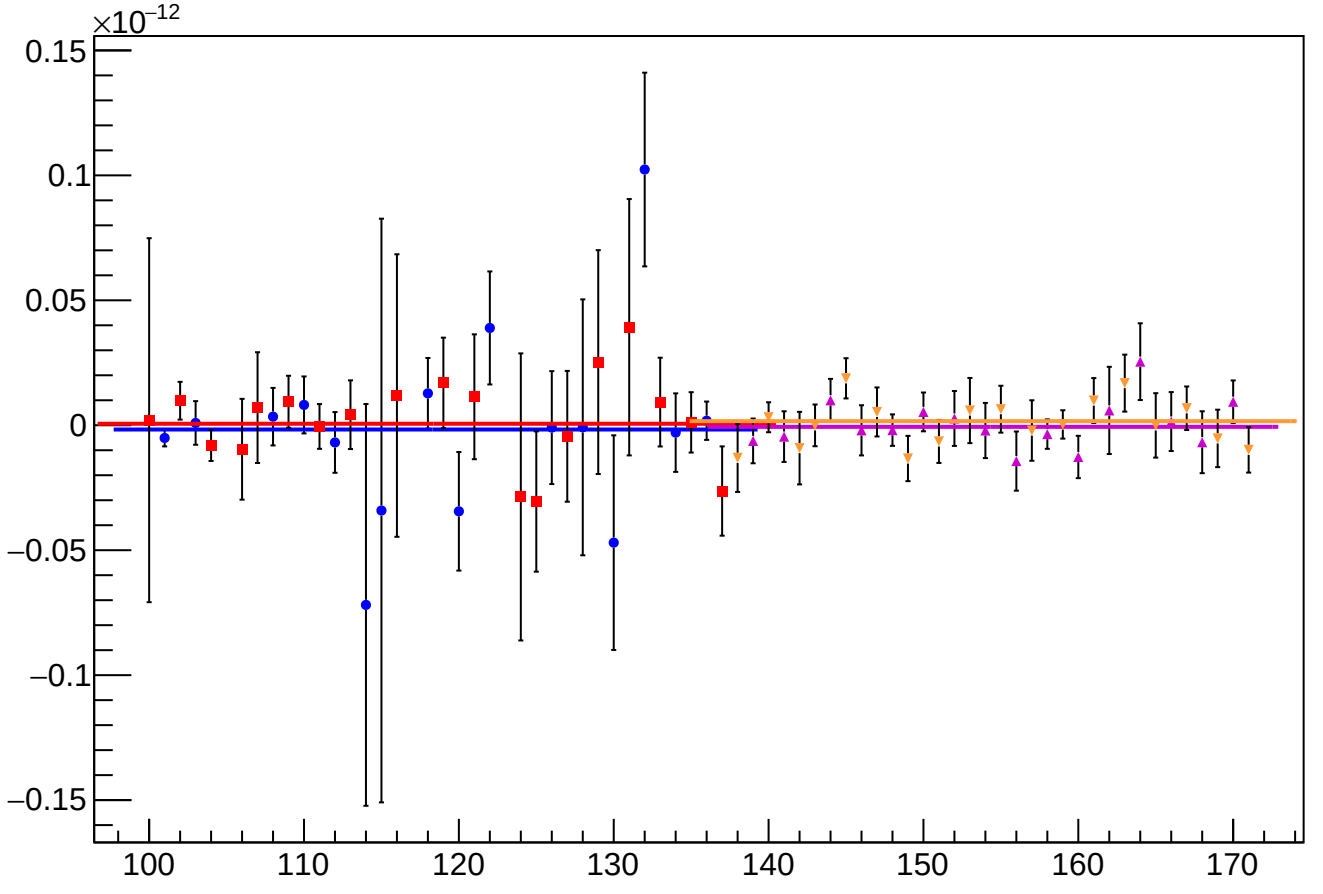
Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 332.516+/-0.065 χ^2/NDF:226797.1/15

+ sign 189.520+/-0.035 χ^2/NDF: 12935397.5/33

All: 188.376+/-0.025 χ^2/NDF: 24731078.6/68

- sign 187.240+/-0.035 χ^2/NDF: 11793528.5/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/17

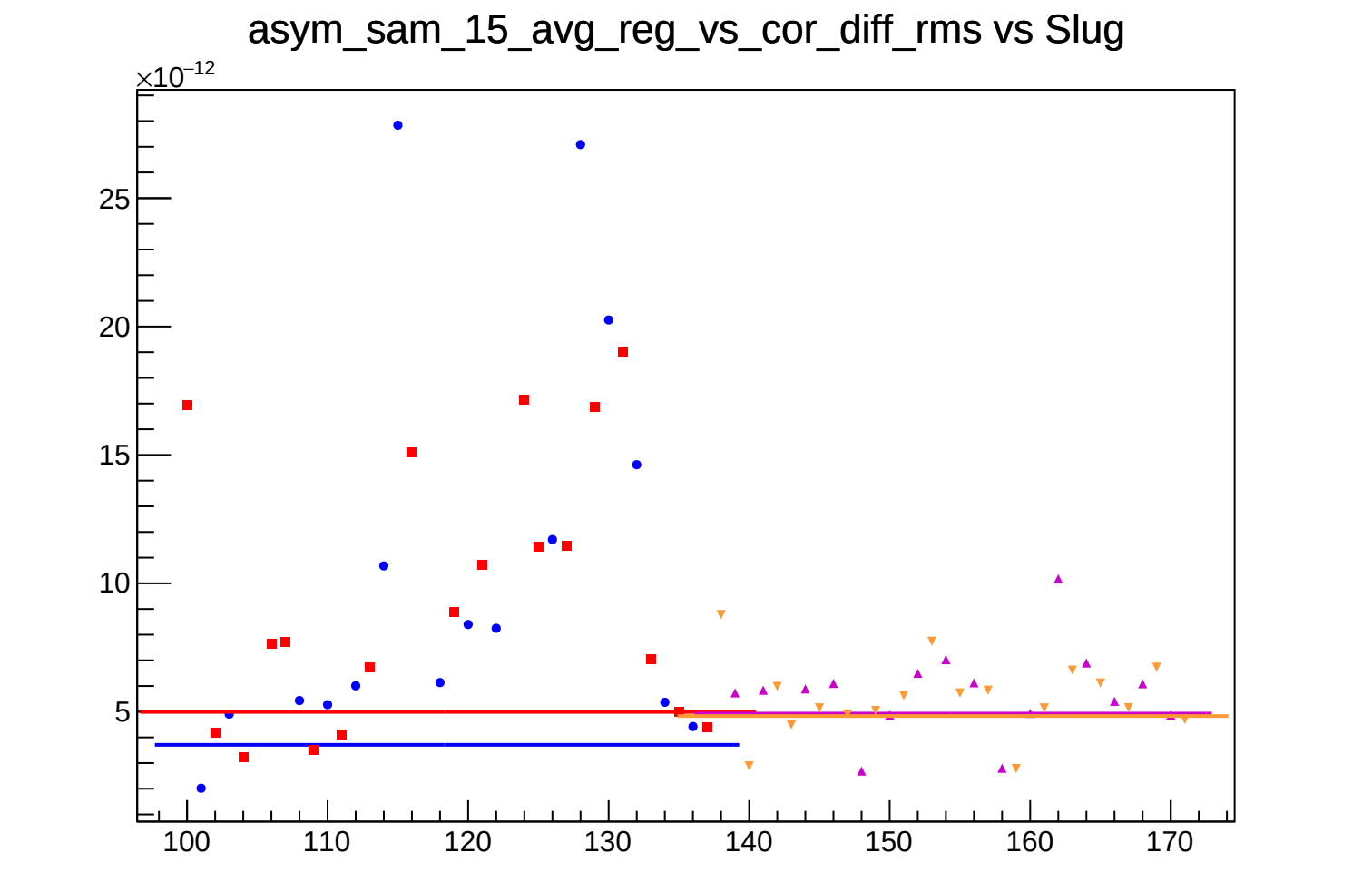
Right Out: 0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/33

All: 0.000+/-0.000 χ^2/NDF: 56.2/68

- sign -0.000+/-0.000 χ^2/NDF: 21.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:936051.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

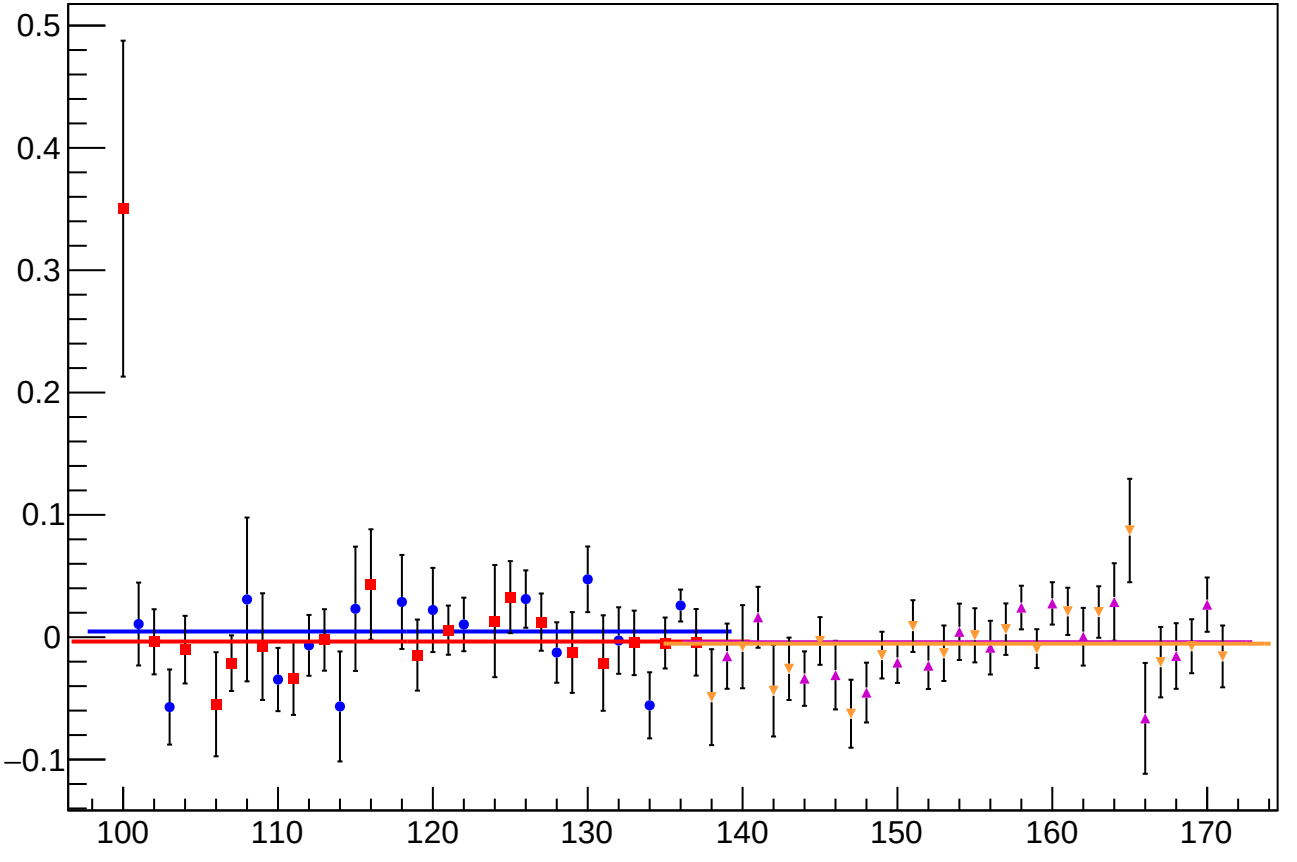
Left In: 0.000+/-0.000 χ^2/NDF:967074.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 3337083.8/33

All: 0.000+/-0.000 χ^2/NDF: 5711080.1/68

- sign 0.000+/-0.000 χ^2/NDF: 2262986.0/34

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: -0.005+/-0.005 χ^2/NDF:17.1/17

Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

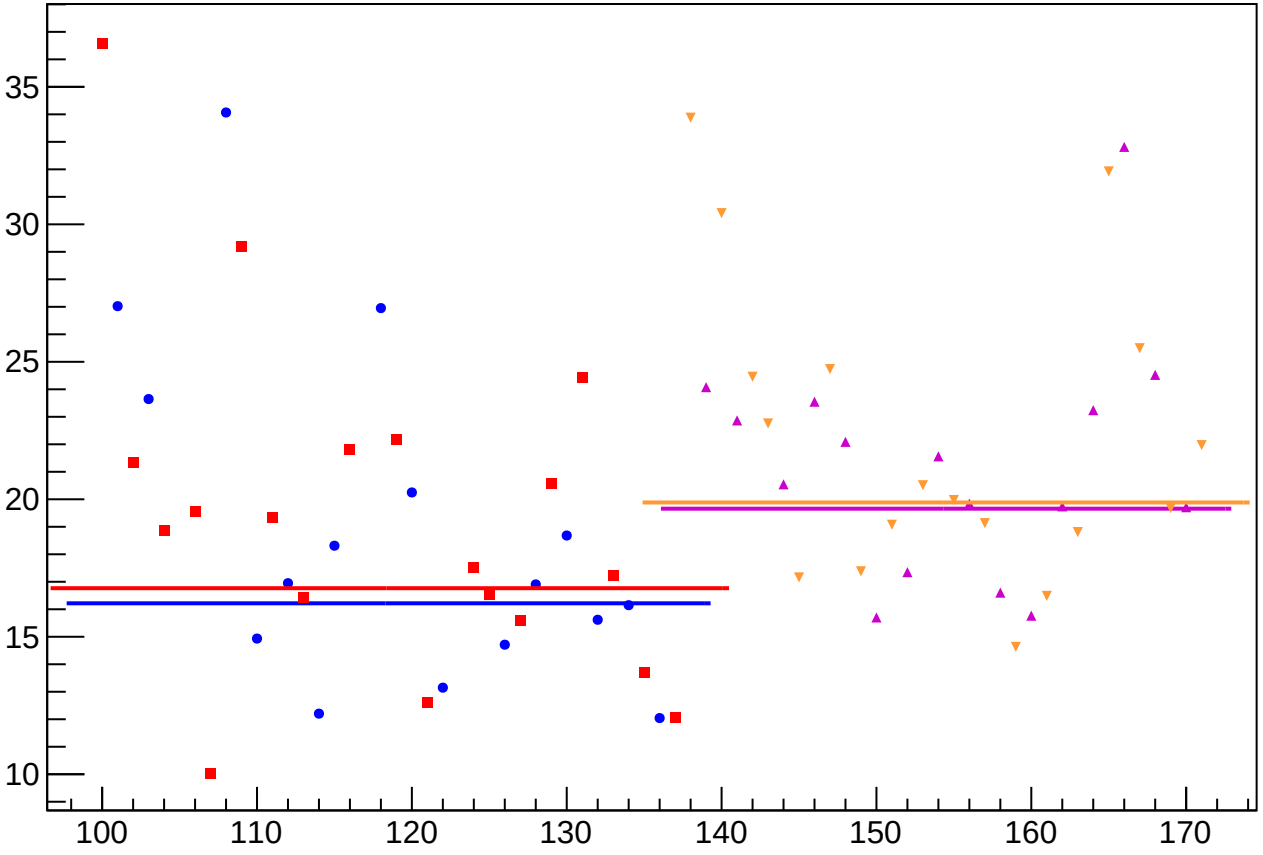
Left In: -0.004+/-0.006 χ^2/NDF:19.5/15

+ sign -0.001+/-0.004 χ^2/NDF: 40.0/33

All: -0.003+/-0.003 χ^2/NDF: 73.3/68

- sign -0.004+/-0.004 χ^2/NDF: 33.2/34

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: 19.884+/-0.004 χ^2/NDF:1181142.0/17

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

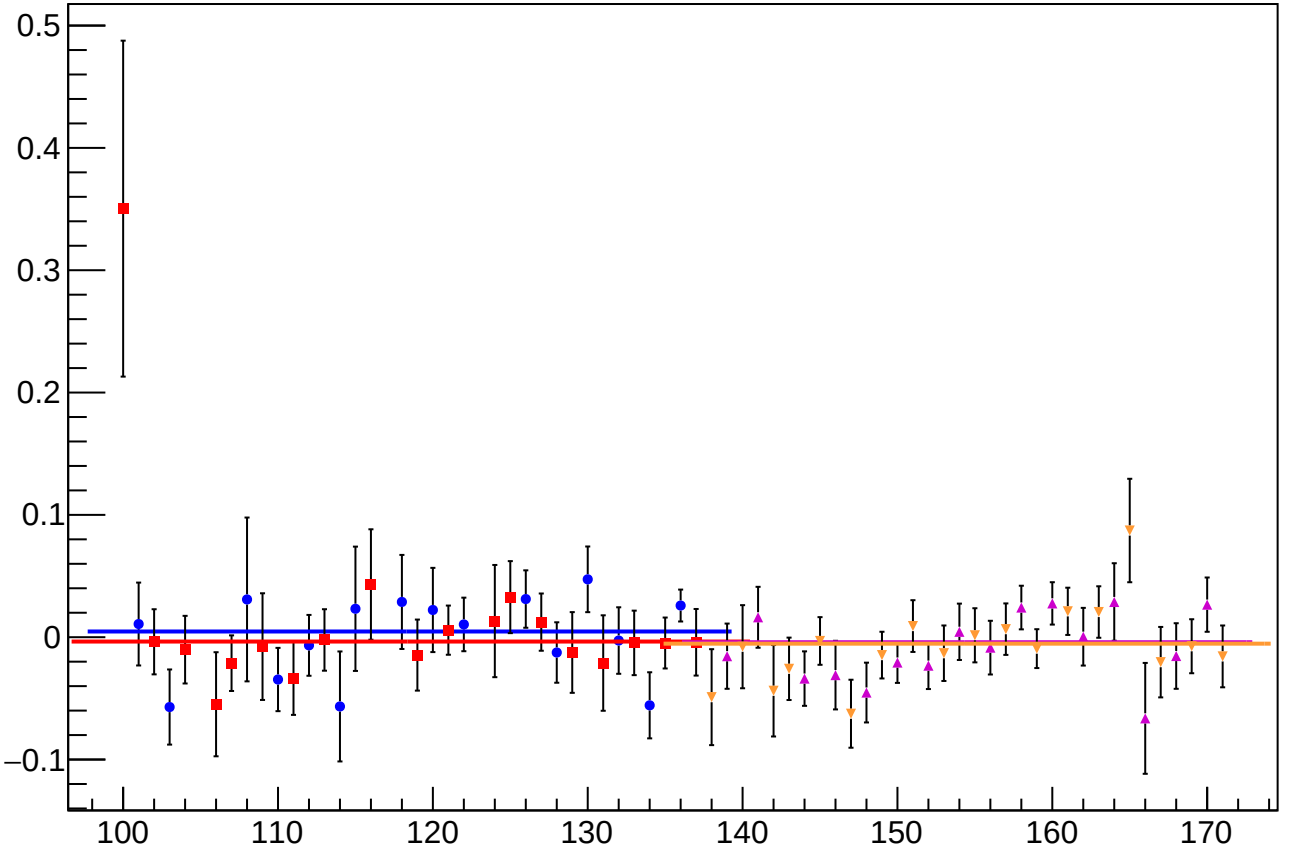
Left In: 19.658+/-0.004 χ^2/NDF:725479.6/15

+ sign 18.376+/-0.003 χ^2/NDF: 2492494.0/33

All: 18.409+/-0.002 χ^2/NDF: 4305949.8/68

- sign 18.444+/-0.003 χ^2/NDF: 1813199.0/34

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: -0.005+/-0.005 χ^2/NDF:17.1/17

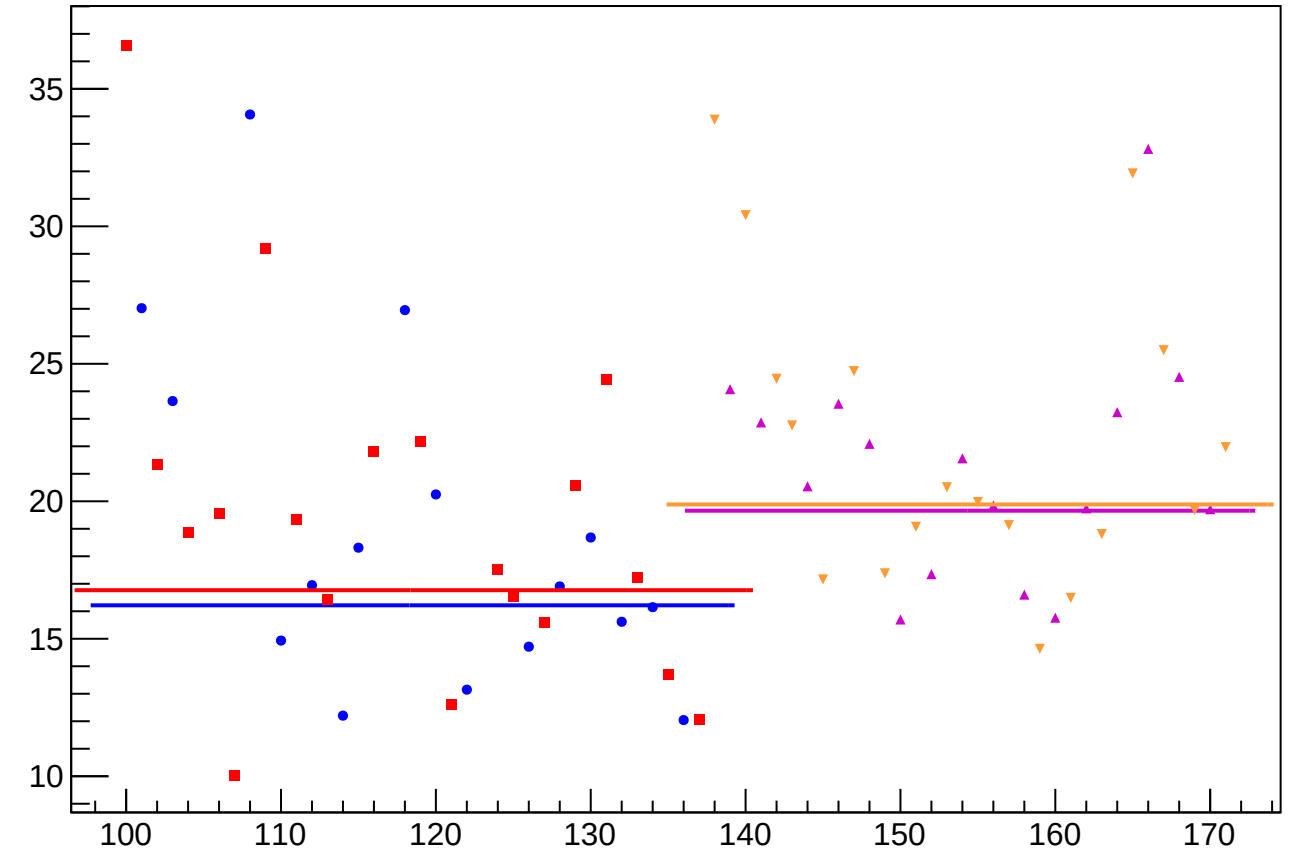
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.006 χ^2/NDF:19.5/15

+ sign -0.001+/-0.004 χ^2/NDF: 40.0/33

All: -0.003+/-0.003 χ^2/NDF: 73.3/68

- sign -0.004+/-0.004 χ^2/NDF: 33.2/34



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181142.0/17

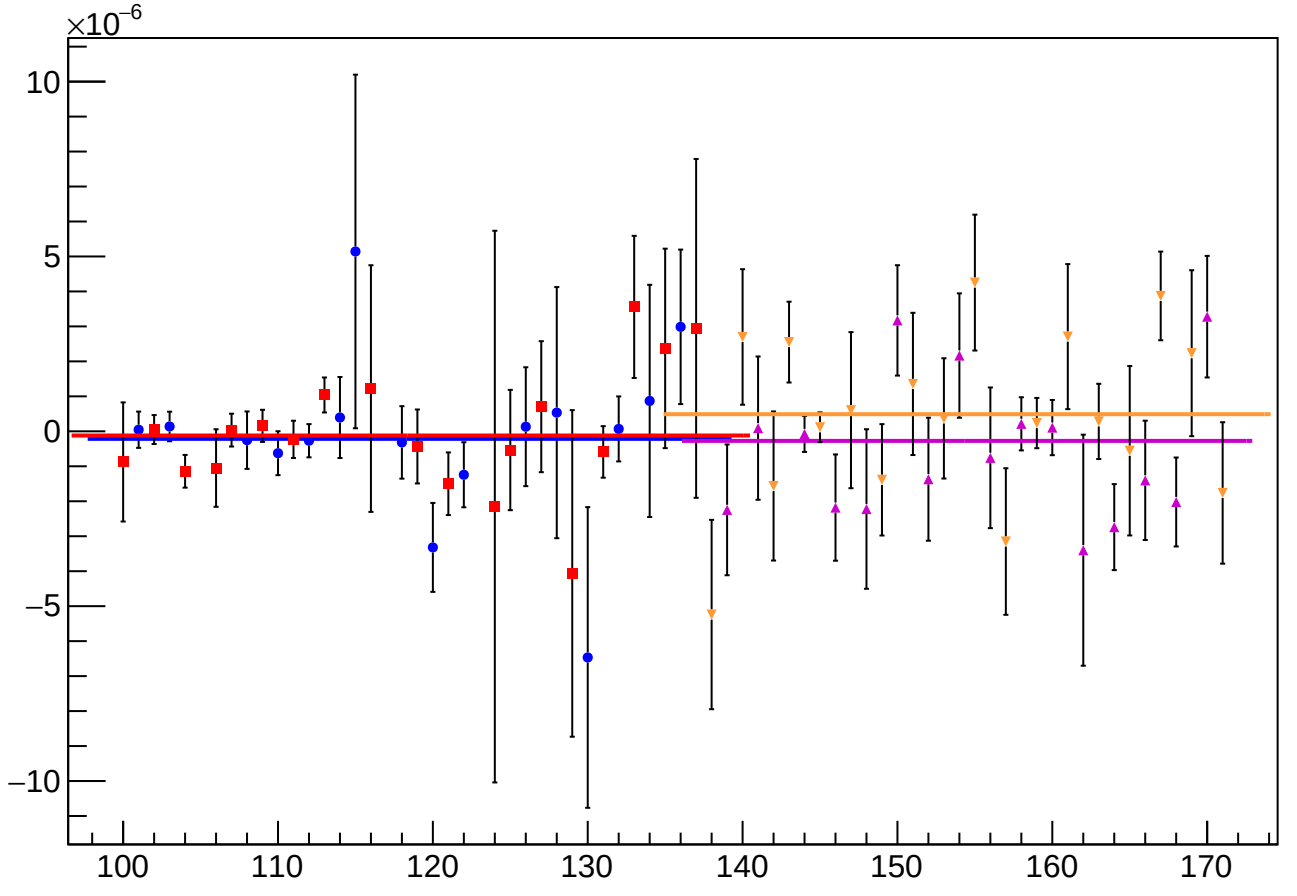
Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.658+/-0.004 χ^2/NDF:725479.6/15

+ sign 18.376+/-0.003 χ^2/NDF: 2492494.0/33

All: 18.409+/-0.002 χ^2/NDF: 4305949.8/68

- sign 18.444+/-0.003 χ^2/NDF: 1813199.0/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.4/17

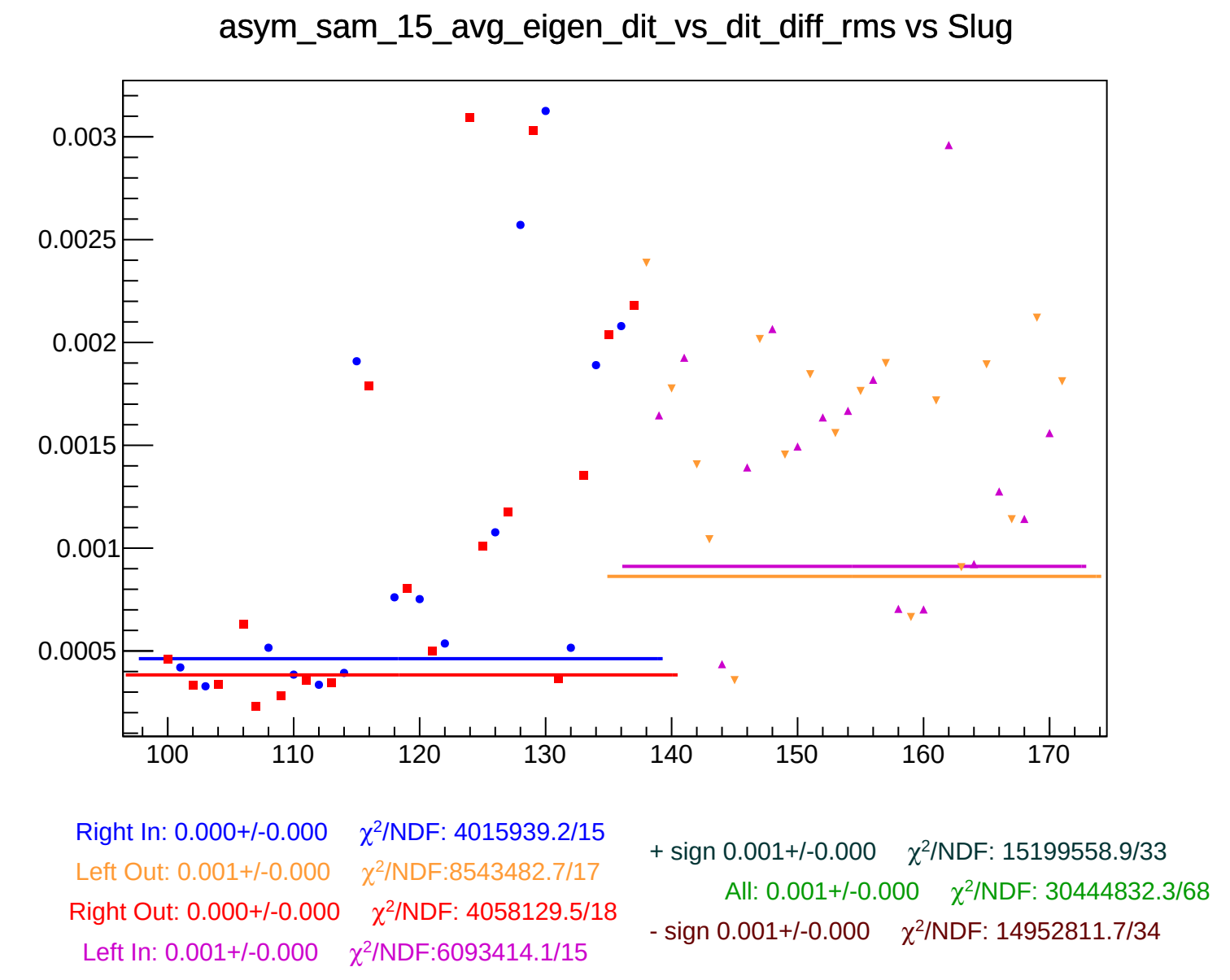
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/15

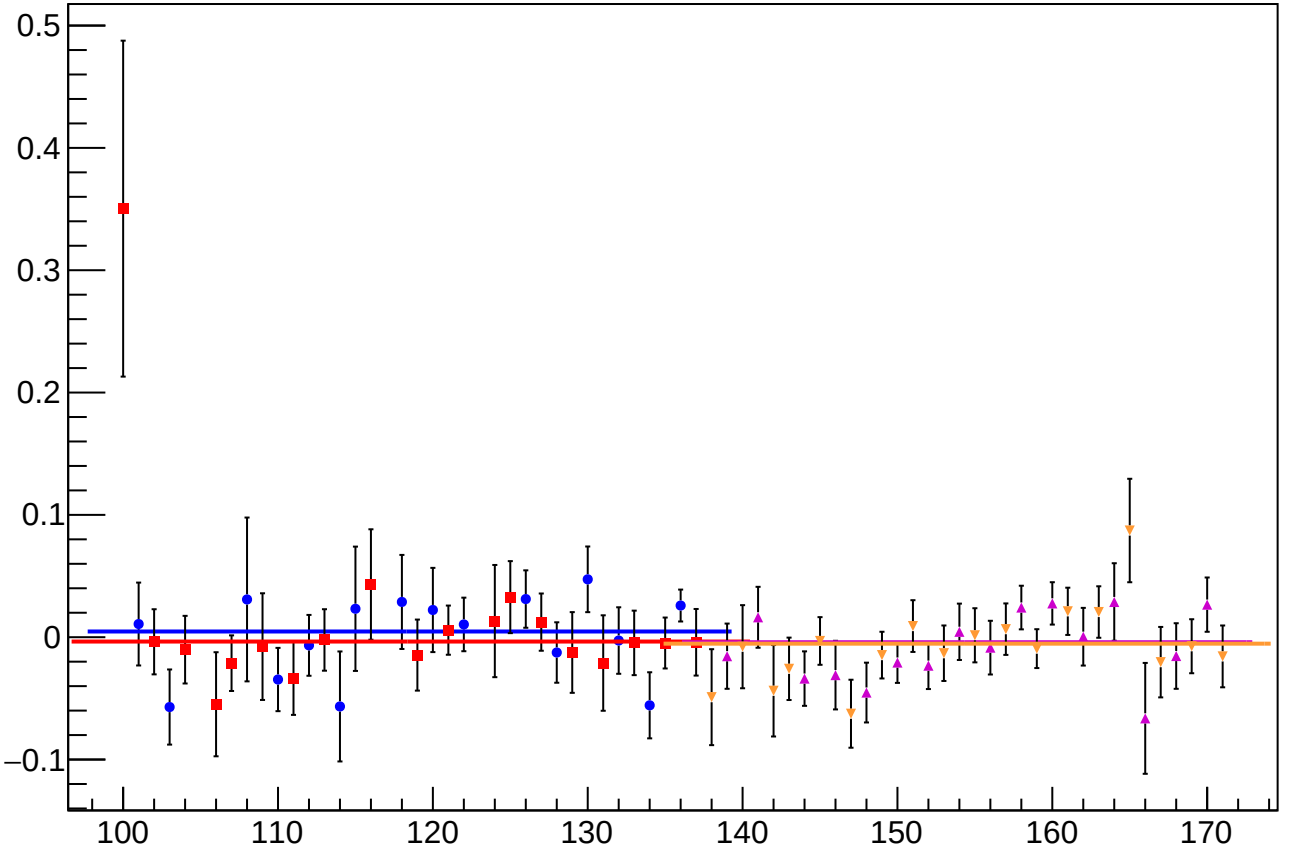
+ sign 0.000+/-0.000 χ^2/NDF: 48.0/33

All: -0.000+/-0.000 χ^2/NDF: 91.9/68

- sign -0.000+/-0.000 χ^2/NDF: 43.2/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8543482.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:6093414.1/15
+ sign 0.001+/-0.000 χ²/NDF: 15199558.9/33
All: 0.001+/-0.000 χ²/NDF: 30444832.3/68
- sign 0.001+/-0.000 χ²/NDF: 14952811.7/34

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: -0.005+/-0.005 χ^2/NDF:17.1/17

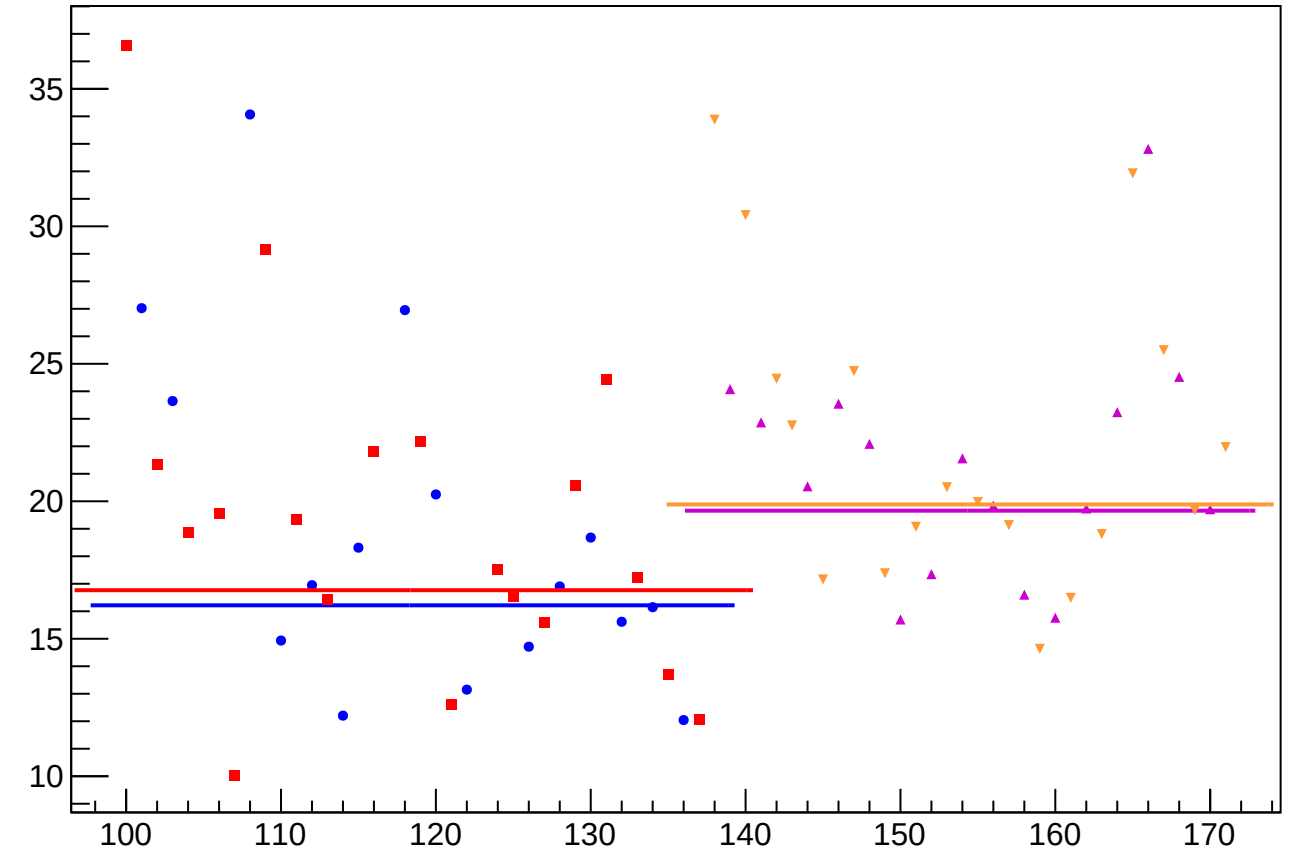
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.006 χ^2/NDF:19.5/15

+ sign -0.001+/-0.004 χ^2/NDF: 40.0/33

All: -0.002+/-0.003 χ^2/NDF: 73.3/68

- sign -0.004+/-0.004 χ^2/NDF: 33.2/34



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181248.0/17

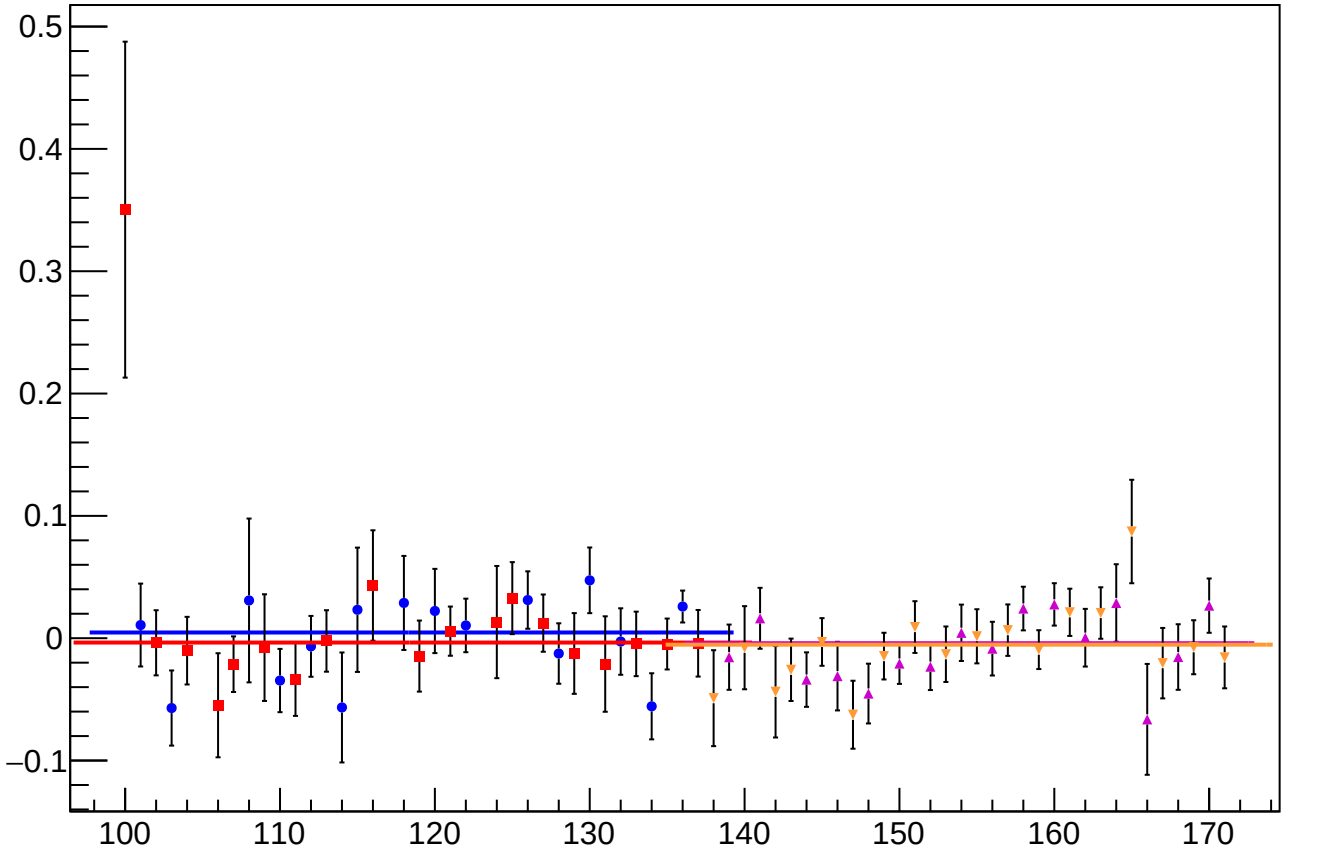
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.658+/-0.004 χ^2/NDF:725578.1/15

+ sign 18.376+/-0.003 χ^2/NDF: 2492609.2/33

All: 18.409+/-0.002 χ^2/NDF: 4306183.0/68

- sign 18.444+/-0.003 χ^2/NDF: 1813317.2/34



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.005 χ^2/NDF:17.1/17

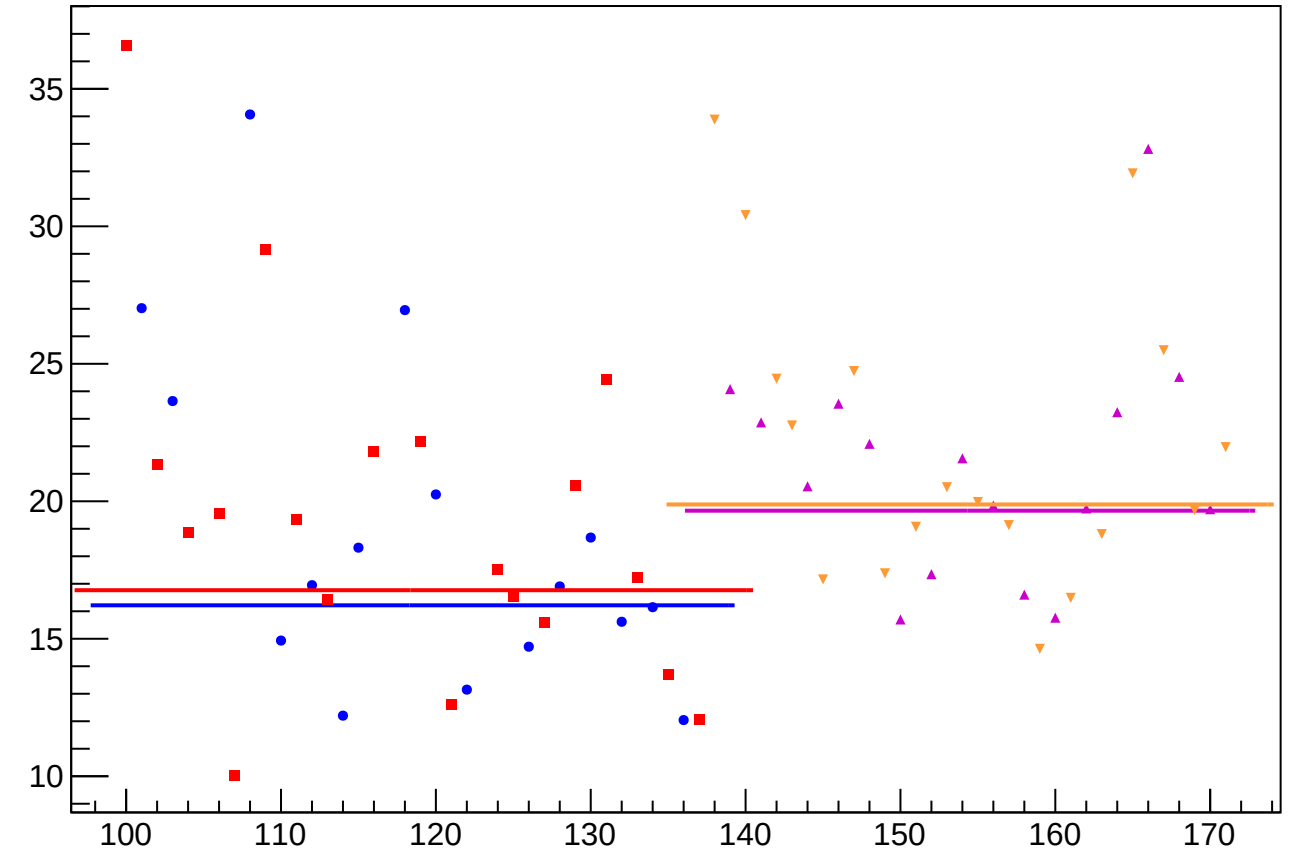
Right Out: -0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.006 χ^2/NDF:19.5/15

+ sign -0.001+/-0.004 χ^2/NDF: 40.0/33

All: -0.002+/-0.003 χ^2/NDF: 73.3/68

- sign -0.004+/-0.004 χ^2/NDF: 33.2/34



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181248.0/17

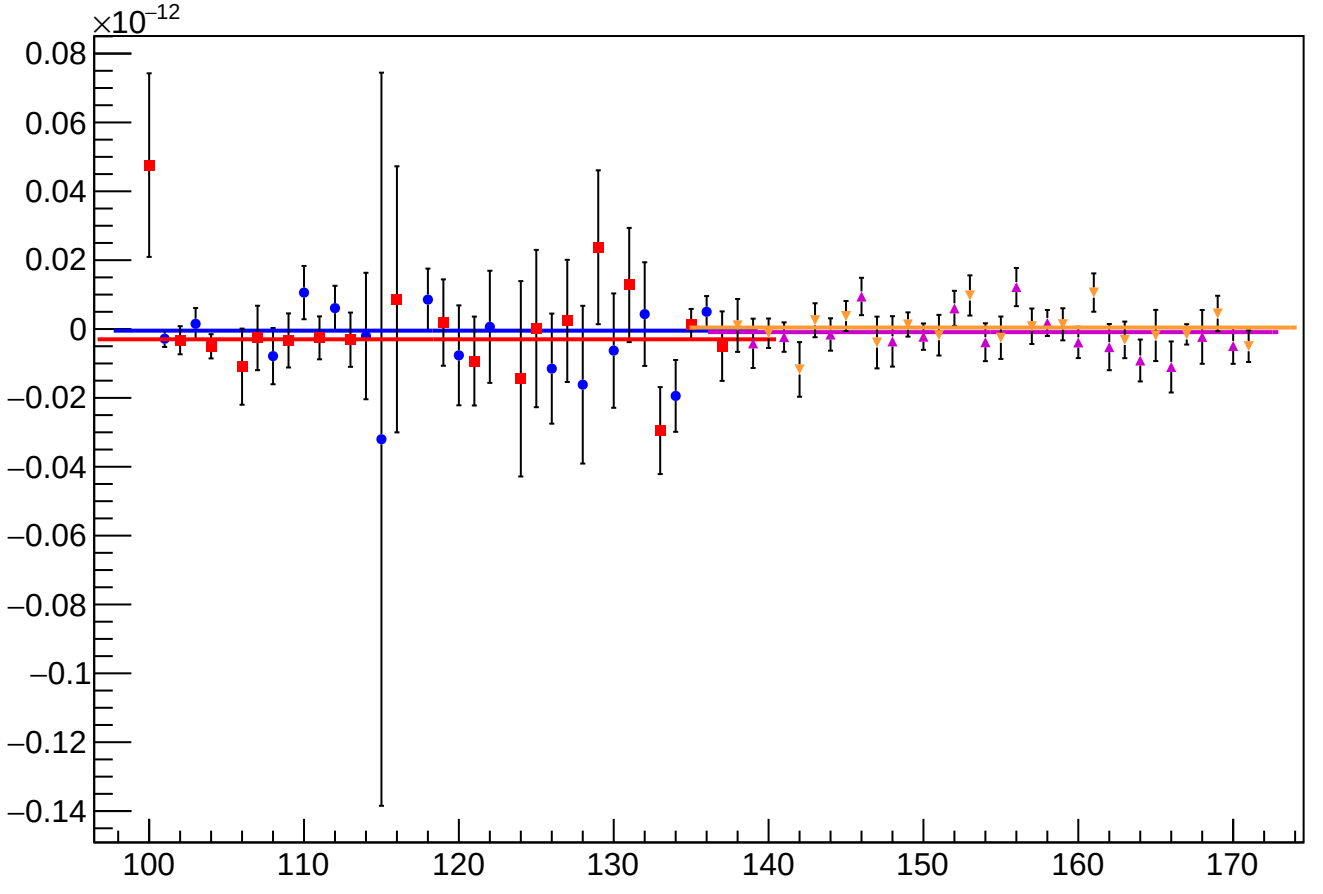
Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.658+/-0.004 χ^2/NDF:725578.1/15

+ sign 18.376+/-0.003 χ^2/NDF: 2492609.2/33

All: 18.409+/-0.002 χ^2/NDF: 4306183.0/68

- sign 18.444+/-0.003 χ^2/NDF: 1813317.2/34



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

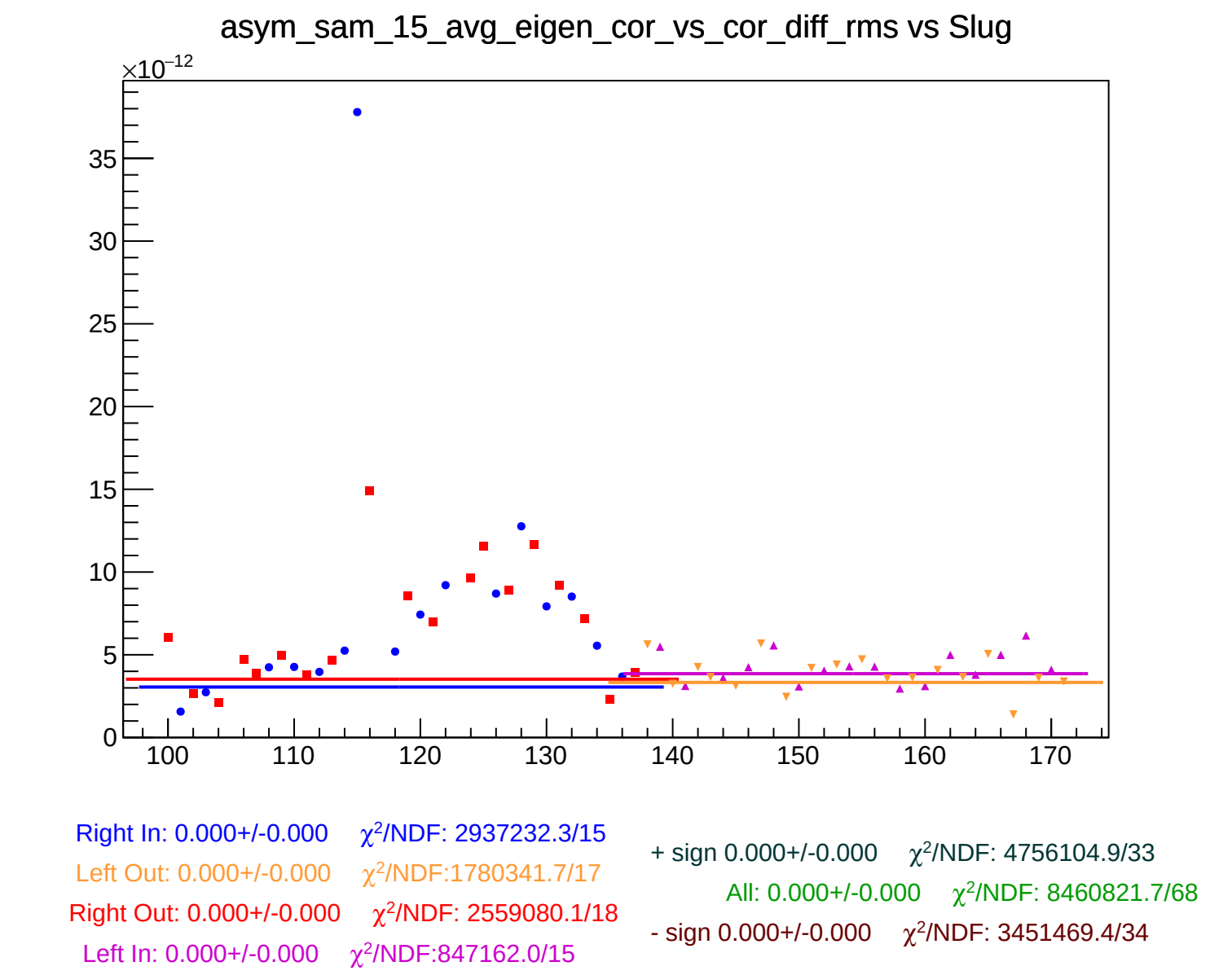
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/15

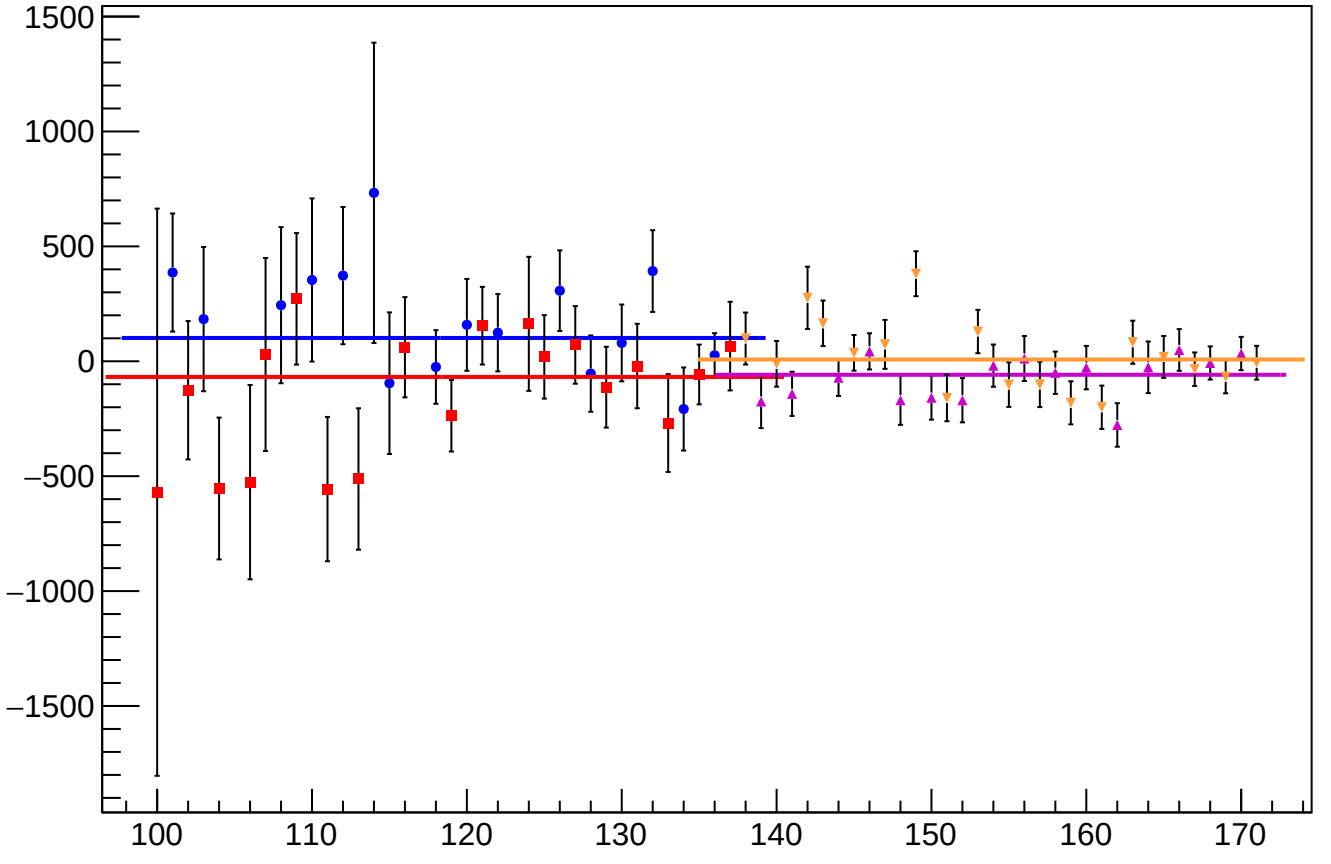
+ sign 0.000+/-0.000 χ^2/NDF: 25.5/33

All: -0.000+/-0.000 χ^2/NDF: 58.5/68

- sign -0.000+/-0.000 χ^2/NDF: 31.5/34


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1780341.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:847162.0/15
+ sign 0.000+/-0.000 χ²/NDF: 4756104.9/33
All: 0.000+/-0.000 χ²/NDF: 8460821.7/68
- sign 0.000+/-0.000 χ²/NDF: 3451469.4/34

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 7.742+/-21.610 χ^2/NDF:40.1/17

Right Out: -68.108+/-49.327 χ^2/NDF: 16.1/18

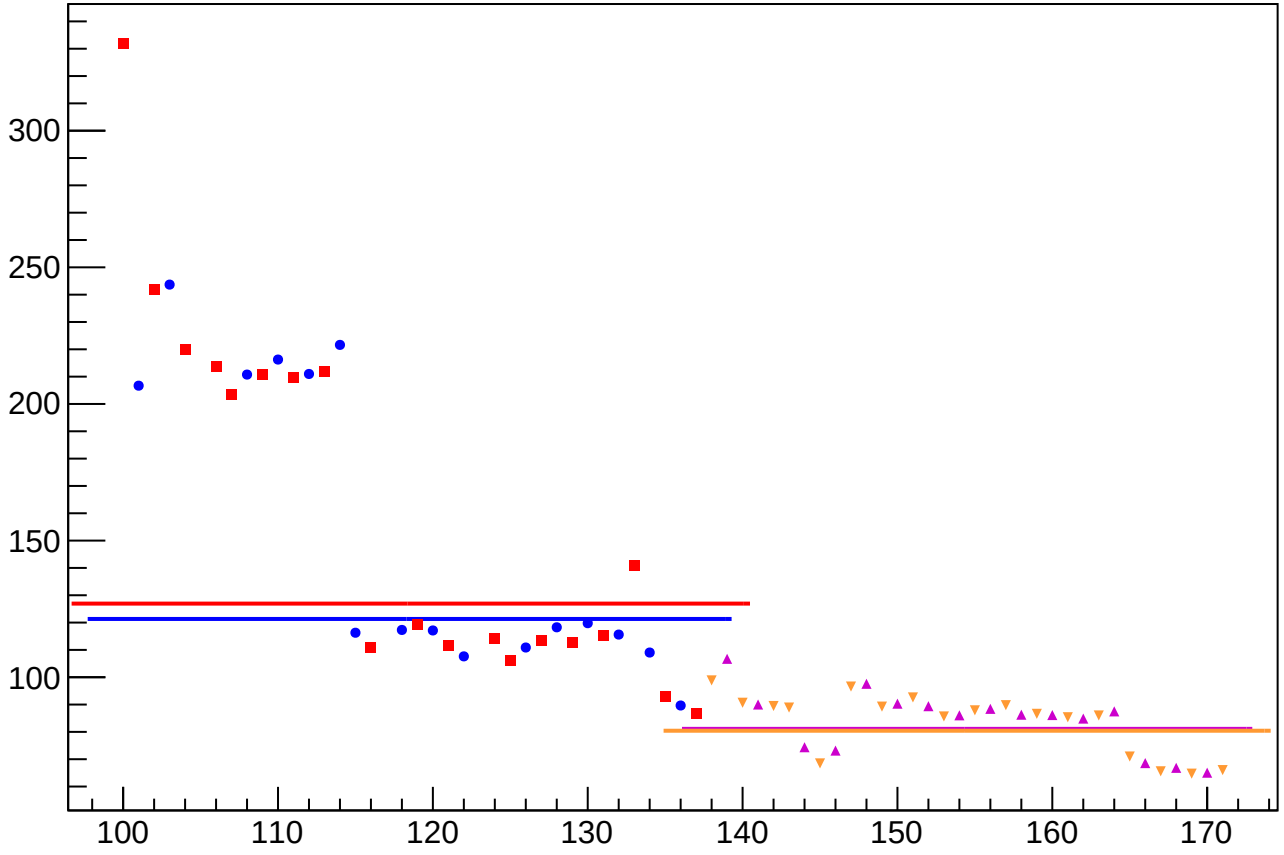
Left In: -58.771+/-22.627 χ^2/NDF:16.7/15

+ sign 23.741+/-19.680 χ^2/NDF: 56.7/33

All: -16.474+/-14.219 χ^2/NDF: 98.3/68

- sign -60.394+/-20.566 χ^2/NDF: 32.8/34

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

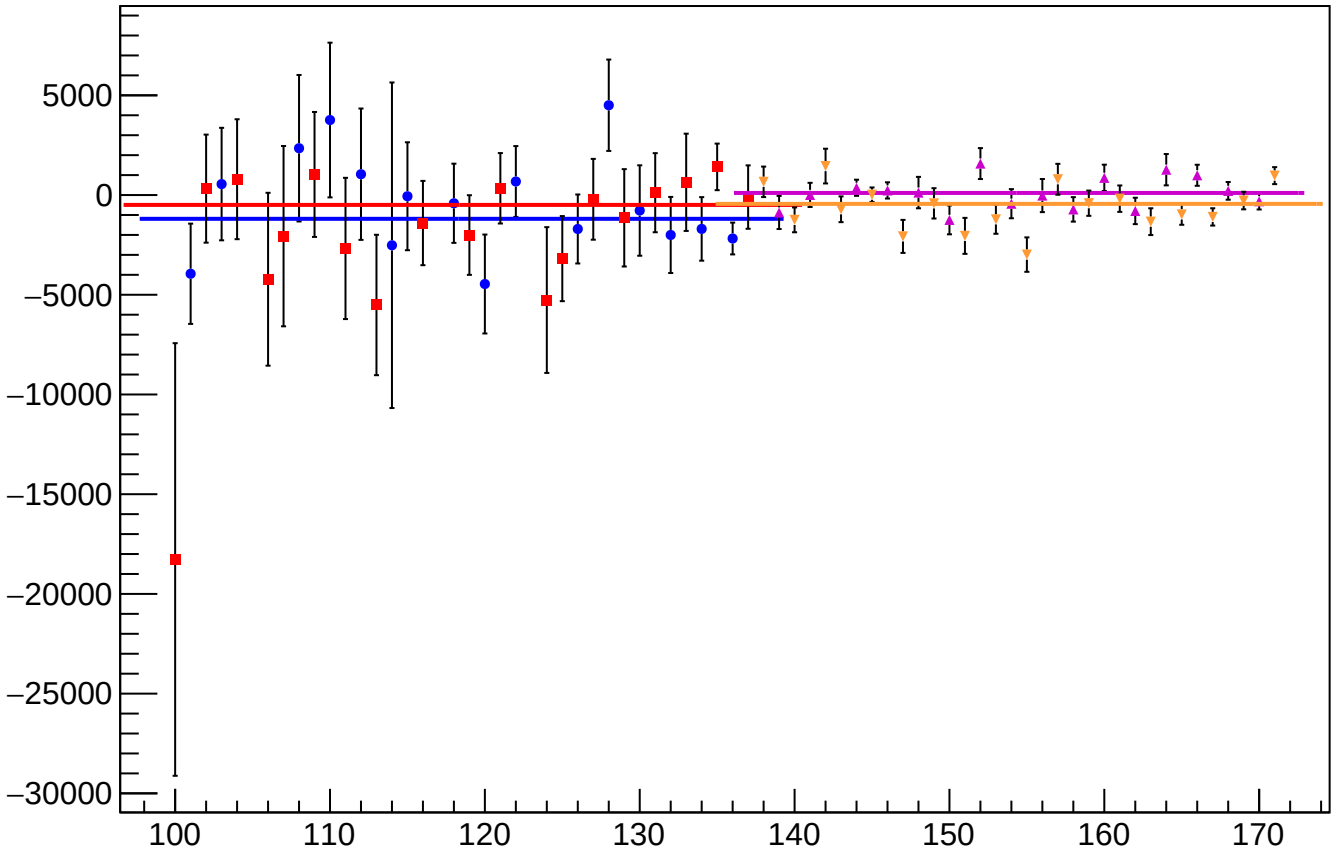
Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

+ sign 87.404+/-0.014 χ^2/NDF: 3080467.5/33

All: 88.203+/-0.010 χ^2/NDF: 6468877.7/68

- sign 89.075+/-0.015 χ^2/NDF: 3381524.2/34



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -443.112+/-139.113 χ^2/NDF:46.1/17

Right Out: -494.627+/-521.756 χ^2/NDF: 13.9/18

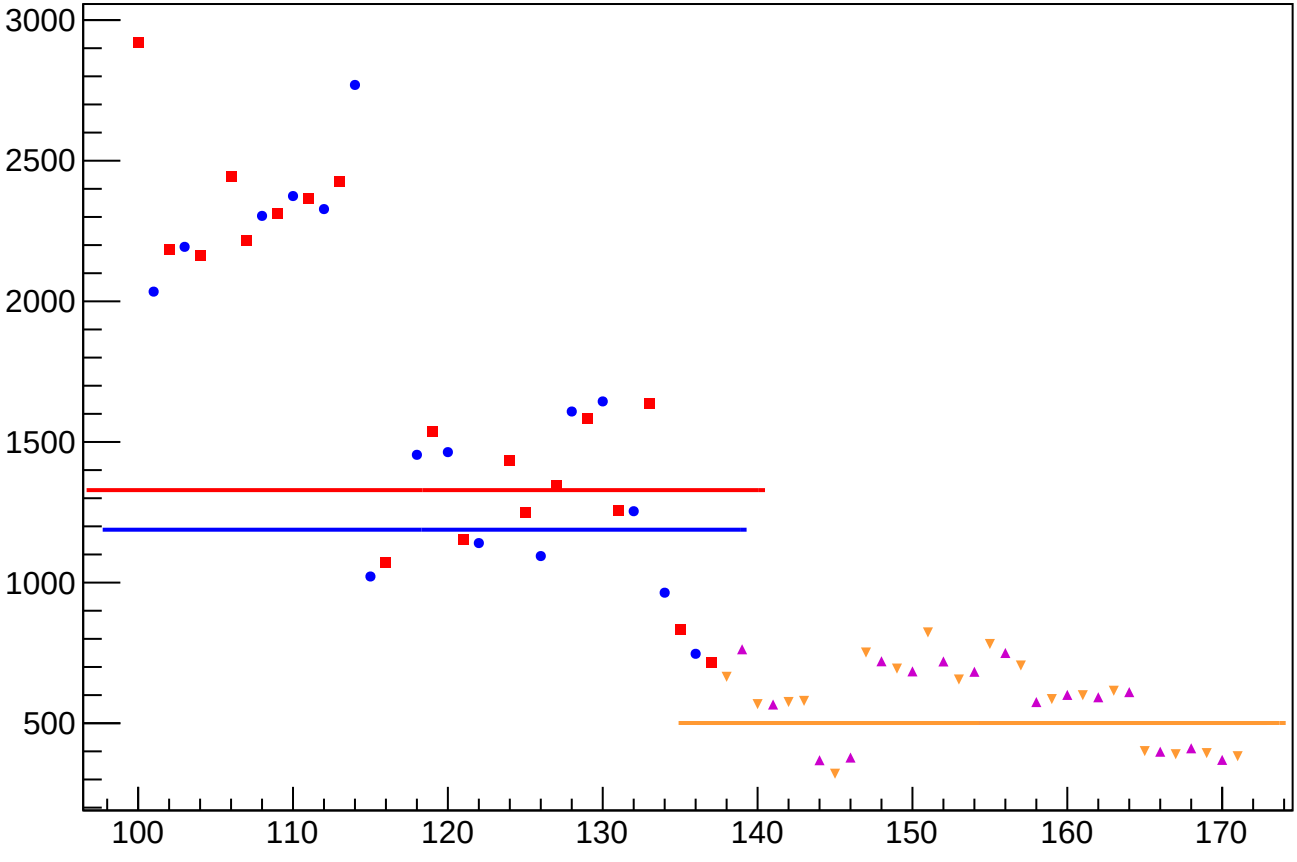
Left In: 105.359+/-143.950 χ^2/NDF:20.7/15

+ sign -501.398+/-133.591 χ^2/NDF: 64.3/33

All: -229.957+/-96.240 χ^2/NDF: 108.7/68

- sign 62.919+/-138.765 χ^2/NDF: 35.8/34

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 500.847+/-0.098 χ^2/NDF:2282587.6/17

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

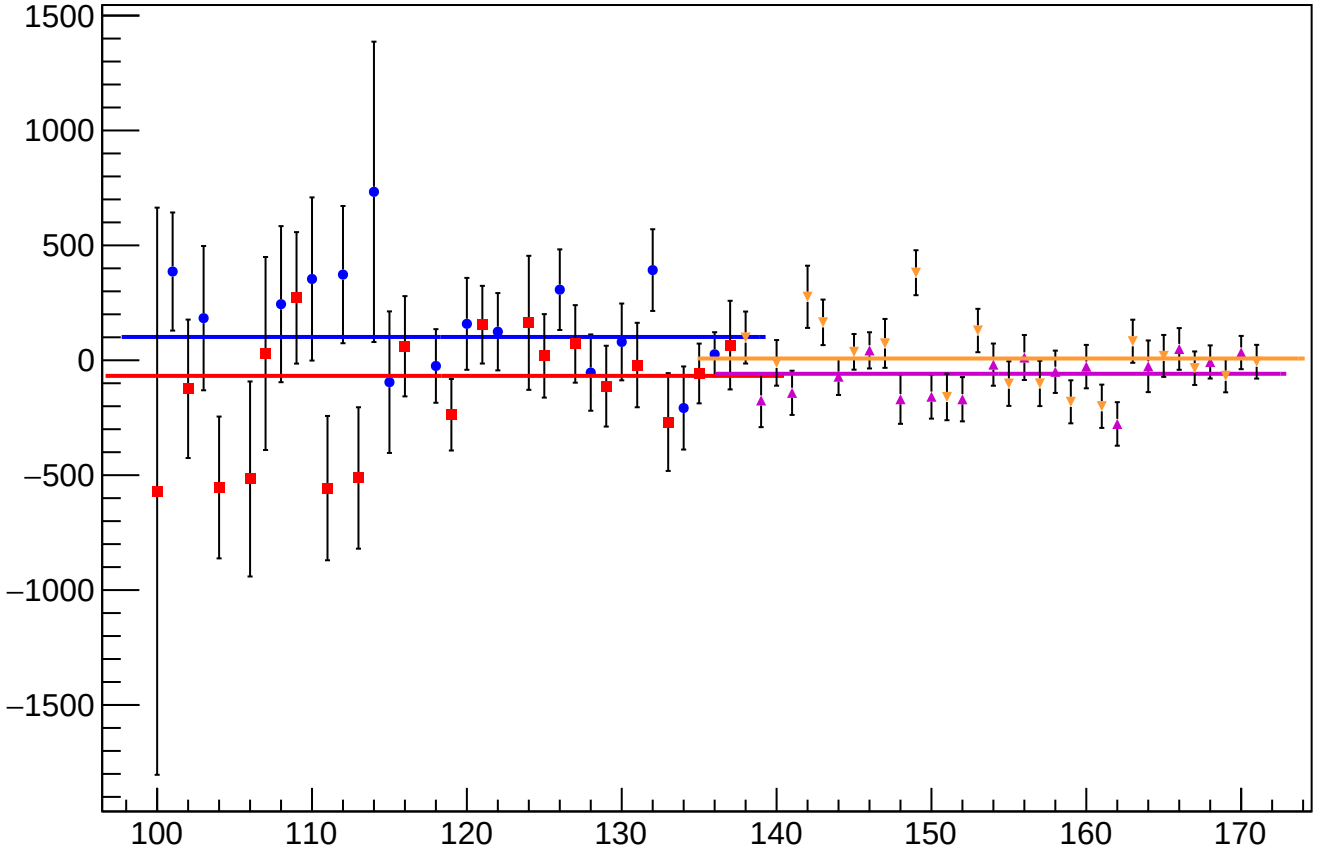
Left In: 500.802+/-0.102 χ^2/NDF:1878487.8/15

+ sign 554.321+/-0.094 χ^2/NDF: 8125093.2/33

All: 556.750+/-0.068 χ^2/NDF: 16643416.1/68

- sign 559.371+/-0.098 χ^2/NDF: 8516948.2/34

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 7.744+/-21.610 χ^2/NDF:40.1/17

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

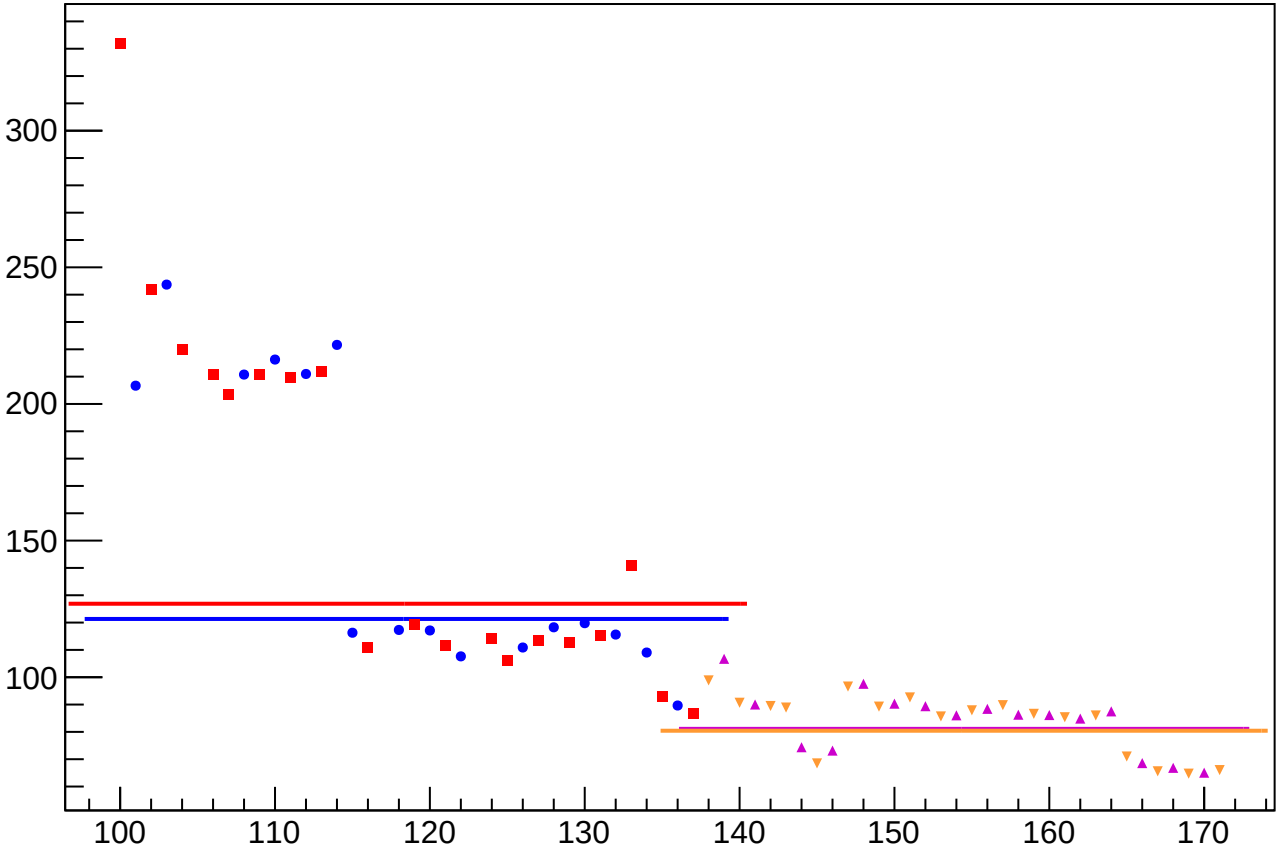
Left In: -58.771+/-22.627 χ^2/NDF:16.7/15

+ sign 23.740+/-19.680 χ^2/NDF: 56.7/33

All: -16.455+/-14.219 χ^2/NDF: 98.2/68

- sign -60.355+/-20.566 χ^2/NDF: 32.8/34

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

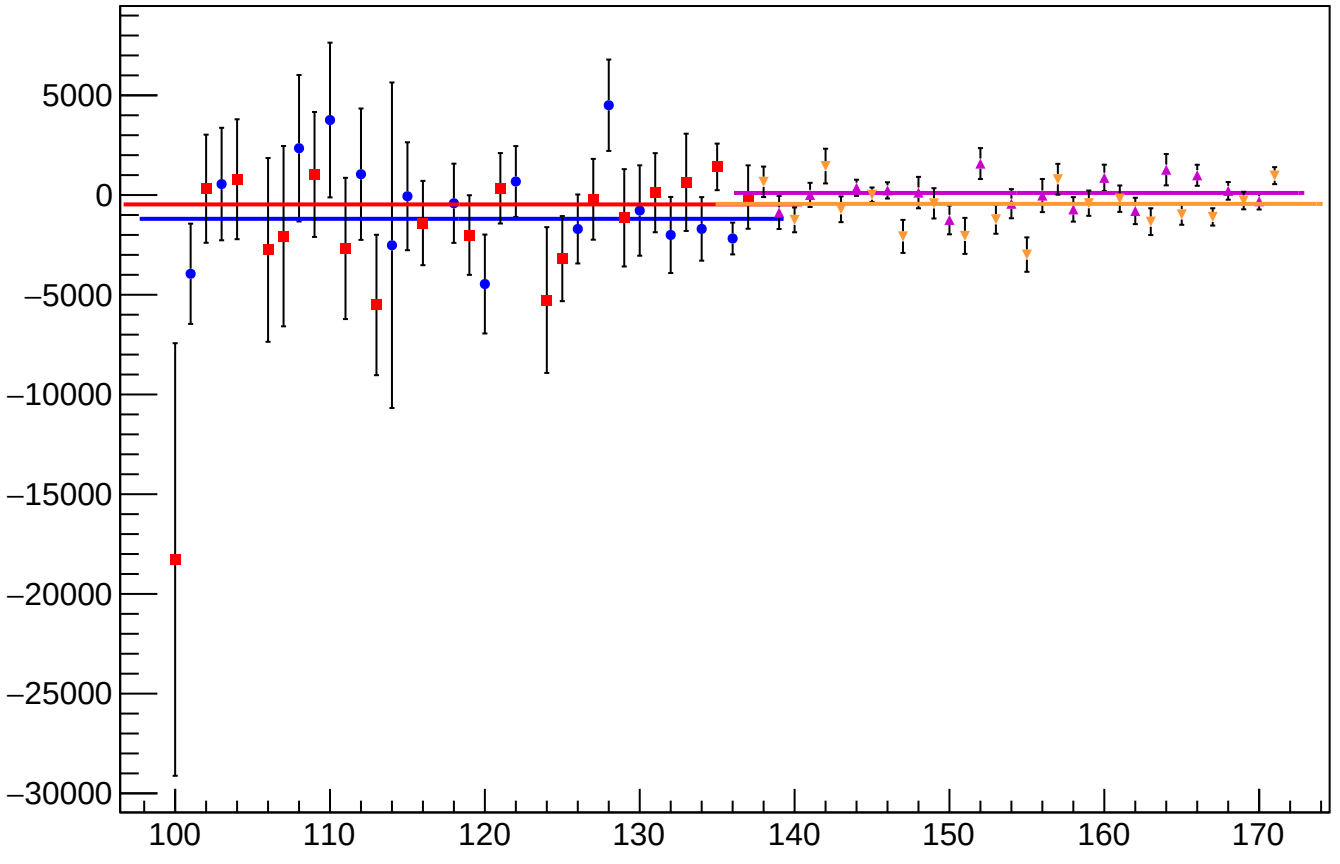
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

+ sign 87.404+/-0.014 χ^2/NDF: 3080469.6/33

All: 88.198+/-0.010 χ^2/NDF: 6459429.1/68

- sign 89.065+/-0.015 χ^2/NDF: 3372151.7/34



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -443.107+/-139.113 χ^2/NDF:46.1/17

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

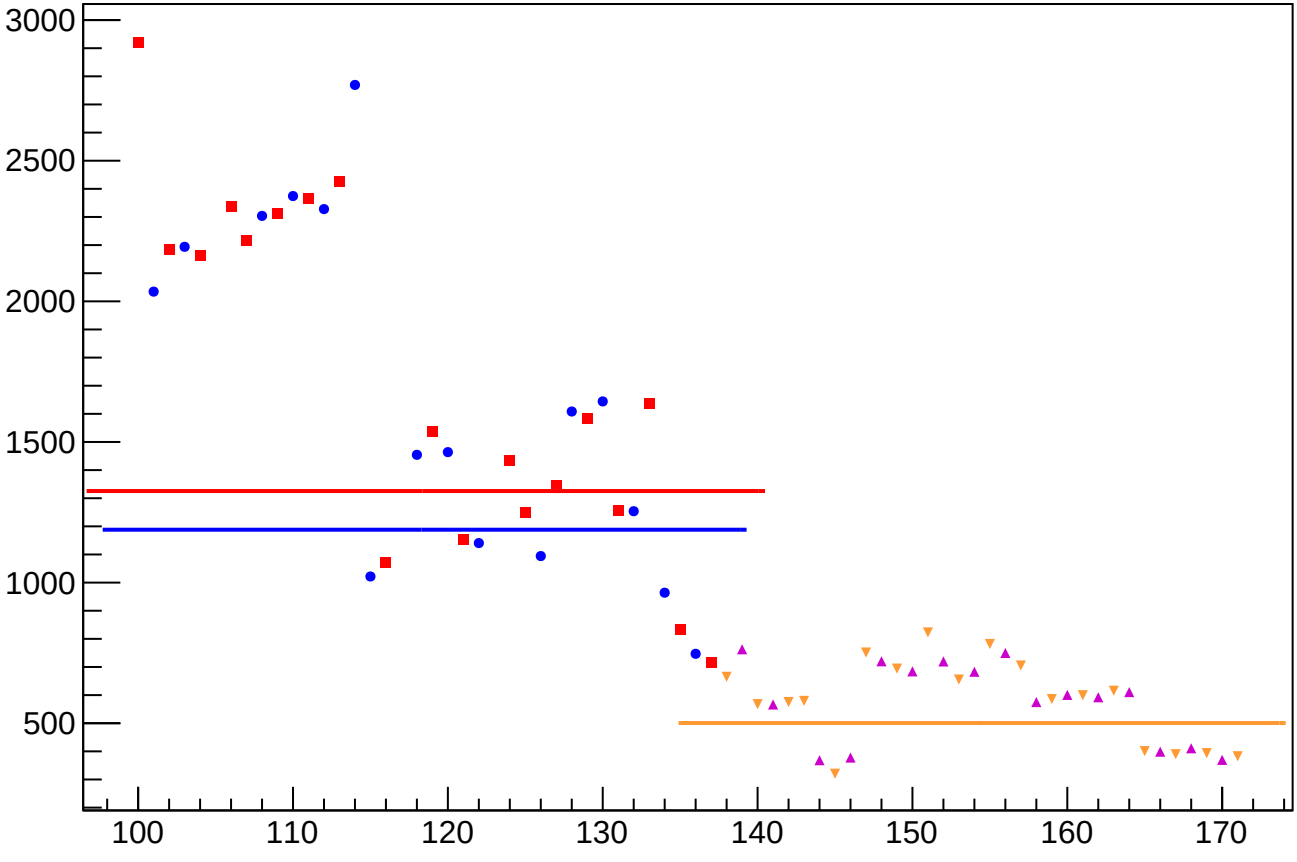
Left In: 105.355+/-143.950 χ^2/NDF:20.7/15

+ sign -501.392+/-133.591 χ^2/NDF: 64.3/33

All: -229.094+/-96.243 χ^2/NDF: 108.1/68

- sign 64.742+/-138.774 χ^2/NDF: 35.2/34

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 500.846+/-0.098 χ^2/NDF:2282594.9/17

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

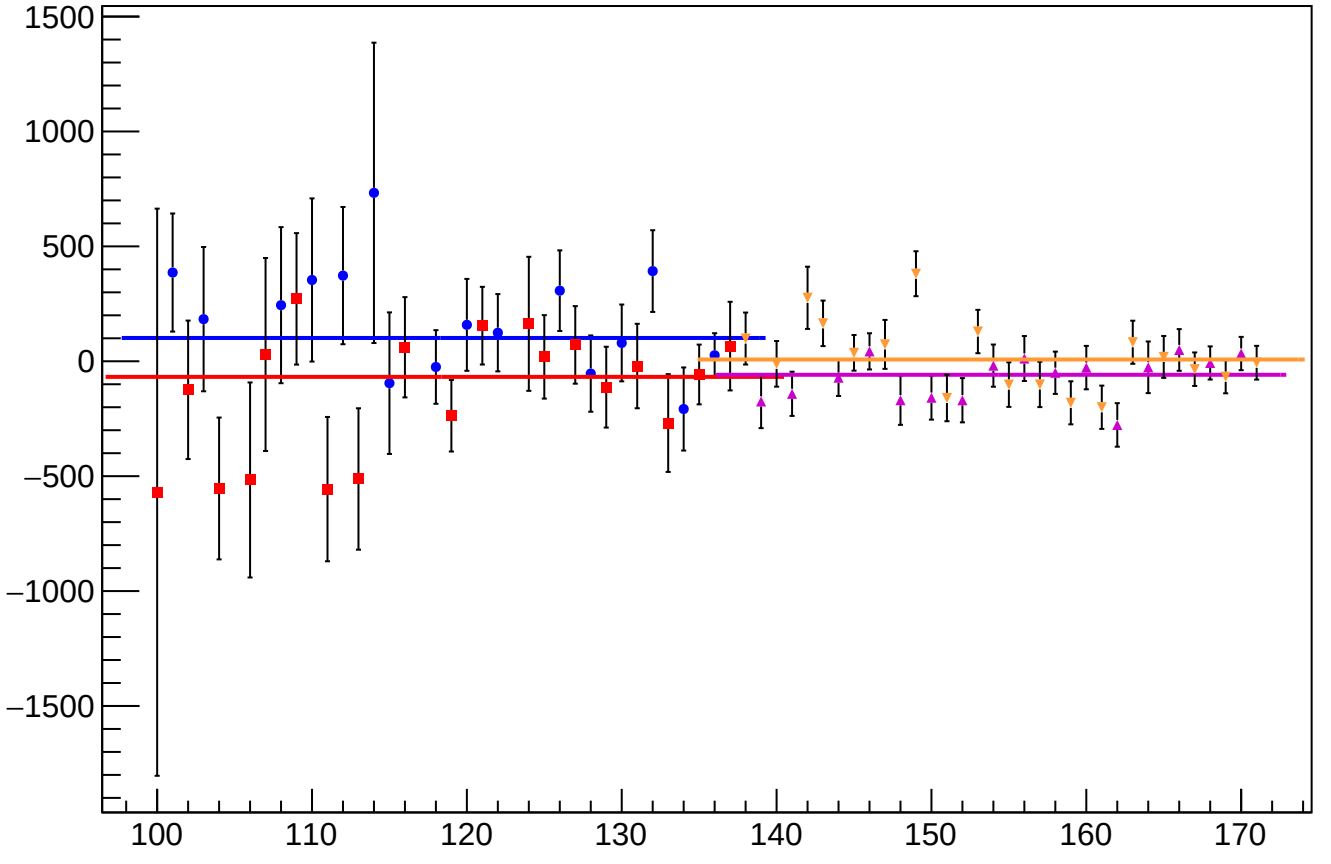
Left In: 500.803+/-0.102 χ^2/NDF:1878489.9/15

+ sign 554.321+/-0.094 χ^2/NDF: 8125123.0/33

All: 556.595+/-0.068 χ^2/NDF: 16562413.1/68

- sign 559.048+/-0.098 χ^2/NDF: 8436085.5/34

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 7.744+/-21.610 χ^2/NDF:40.1/17

Right Out: -67.881+/-49.331 χ^2/NDF: 16.1/18

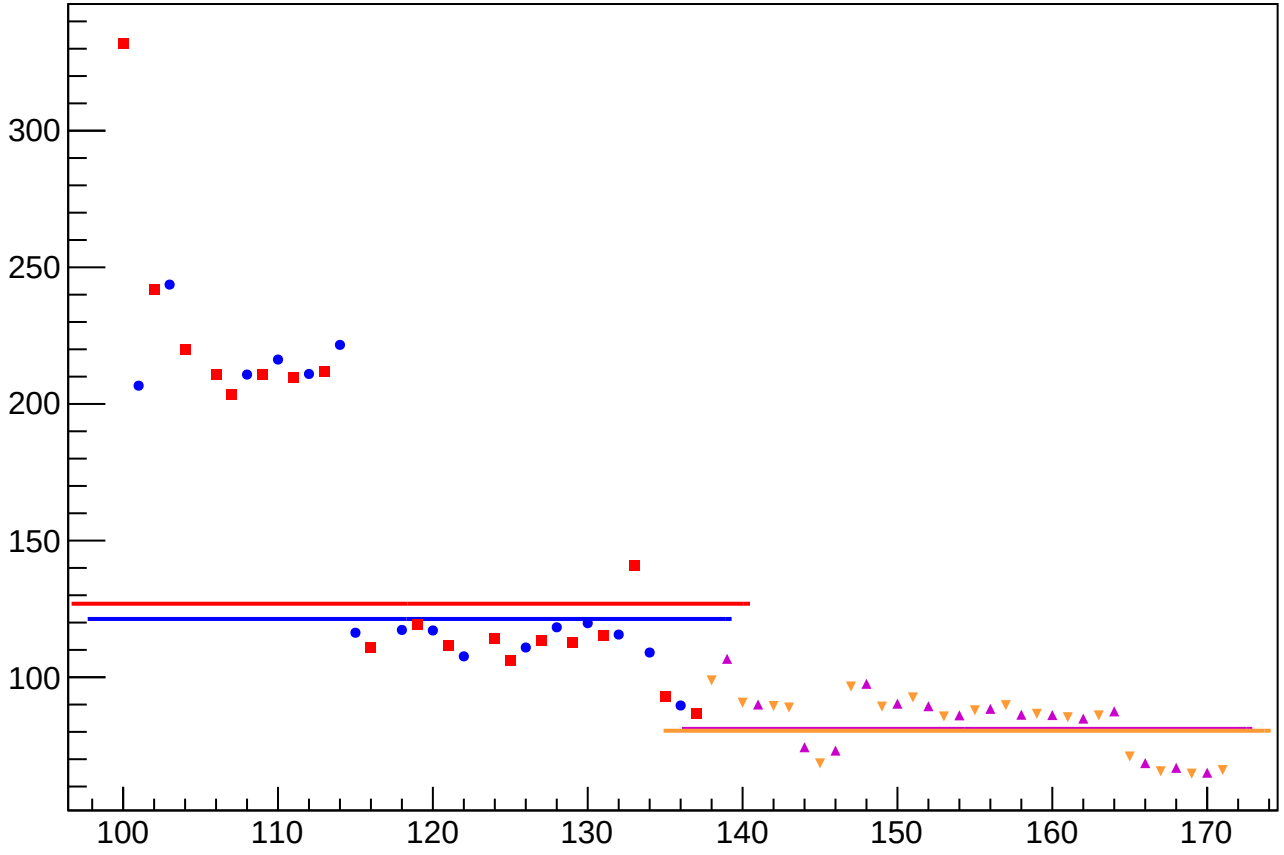
Left In: -58.771+/-22.627 χ^2/NDF:16.7/15

+ sign 23.740+/-19.680 χ^2/NDF: 56.7/33

All: -16.455+/-14.219 χ^2/NDF: 98.2/68

- sign -60.355+/-20.566 χ^2/NDF: 32.8/34

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

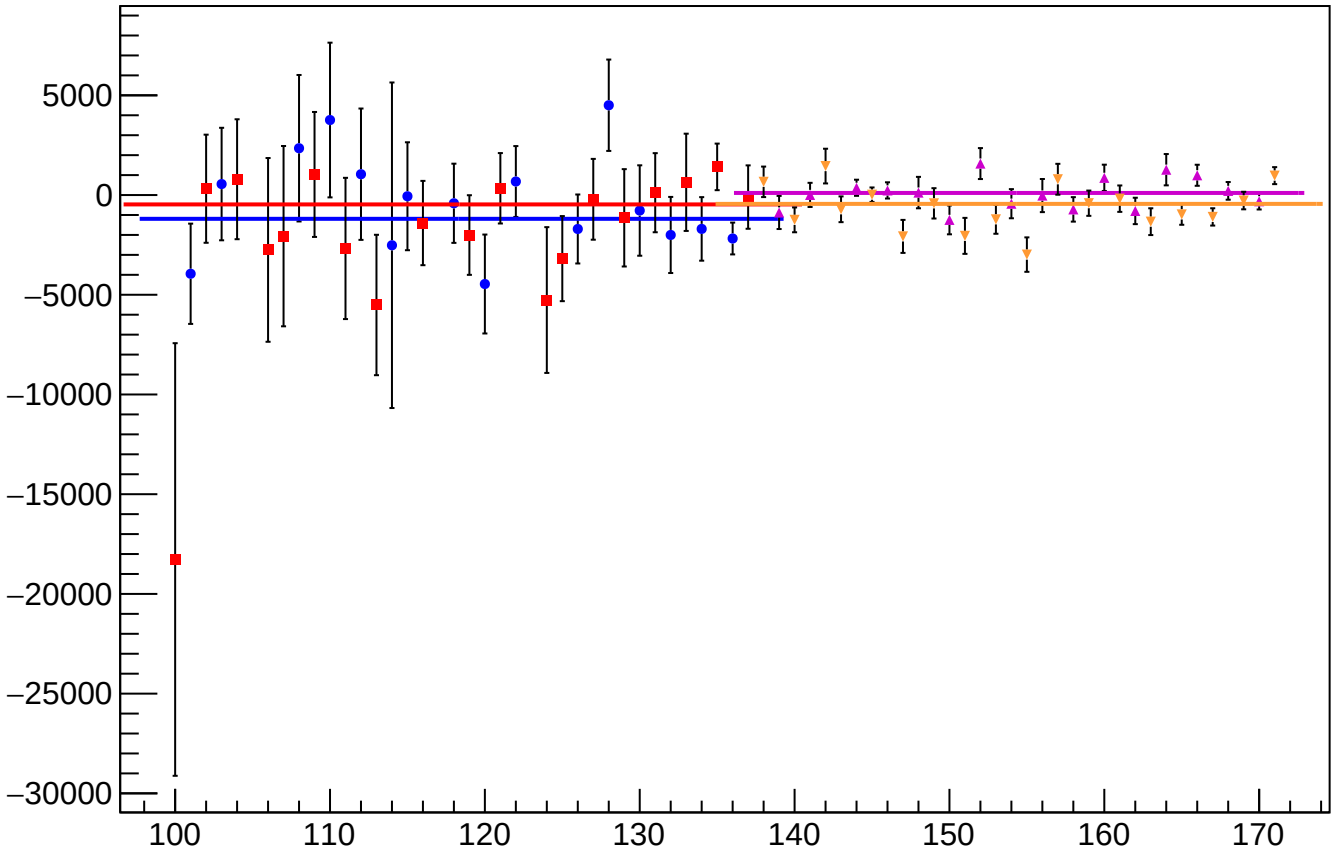
Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 81.107+/-0.016 χ^2/NDF:483087.4/15

+ sign 87.404+/-0.014 χ^2/NDF: 3080469.6/33

All: 88.198+/-0.010 χ^2/NDF: 6459429.1/68

- sign 89.065+/-0.015 χ^2/NDF: 3372151.7/34



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -443.107+/-139.113 χ^2/NDF:46.1/17

Right Out: -469.736+/-522.203 χ^2/NDF: 13.4/18

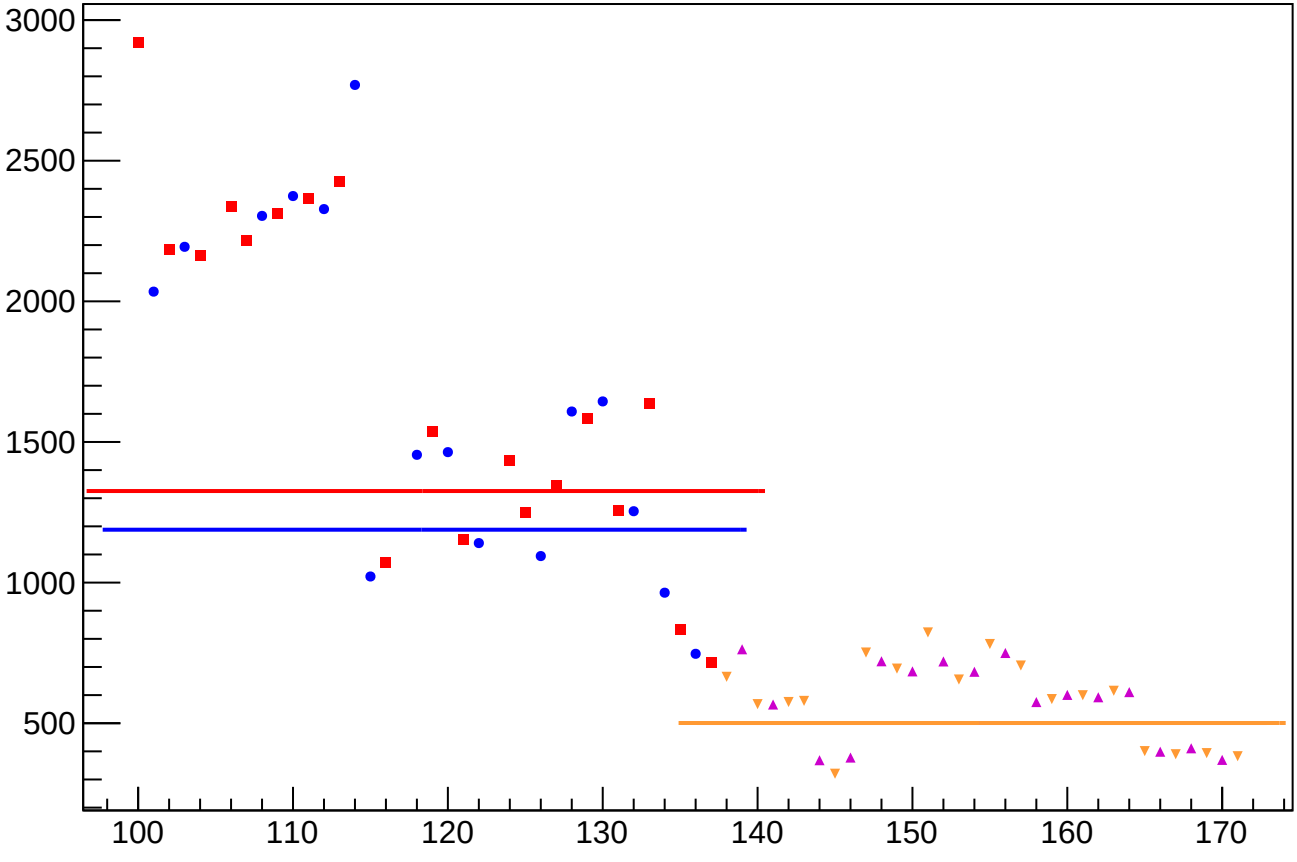
Left In: 105.355+/-143.950 χ^2/NDF:20.7/15

+ sign -501.392+/-133.591 χ^2/NDF: 64.3/33

All: -229.094+/-96.243 χ^2/NDF: 108.1/68

- sign 64.742+/-138.774 χ^2/NDF: 35.2/34

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 500.846+/-0.098 χ^2/NDF:2282594.9/17

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

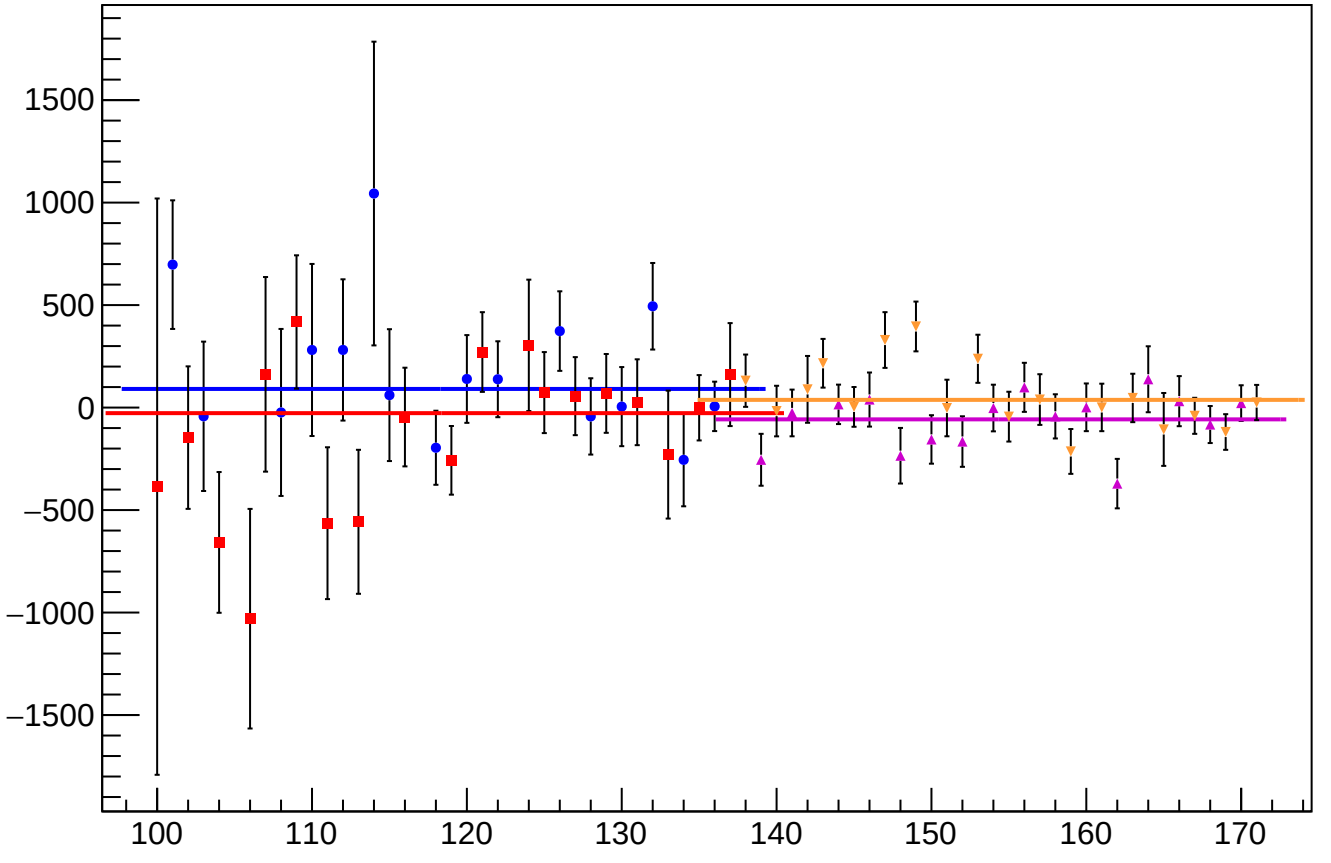
Left In: 500.803+/-0.102 χ^2/NDF:1878489.9/15

+ sign 554.321+/-0.094 χ^2/NDF: 8125123.0/33

All: 556.595+/-0.068 χ^2/NDF: 16562413.1/68

- sign 559.048+/-0.098 χ^2/NDF: 8436085.5/34

dit_asym_sam_26_avg_mean vs Slug



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 37.592+/-26.912 χ^2/NDF:30.1/17

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

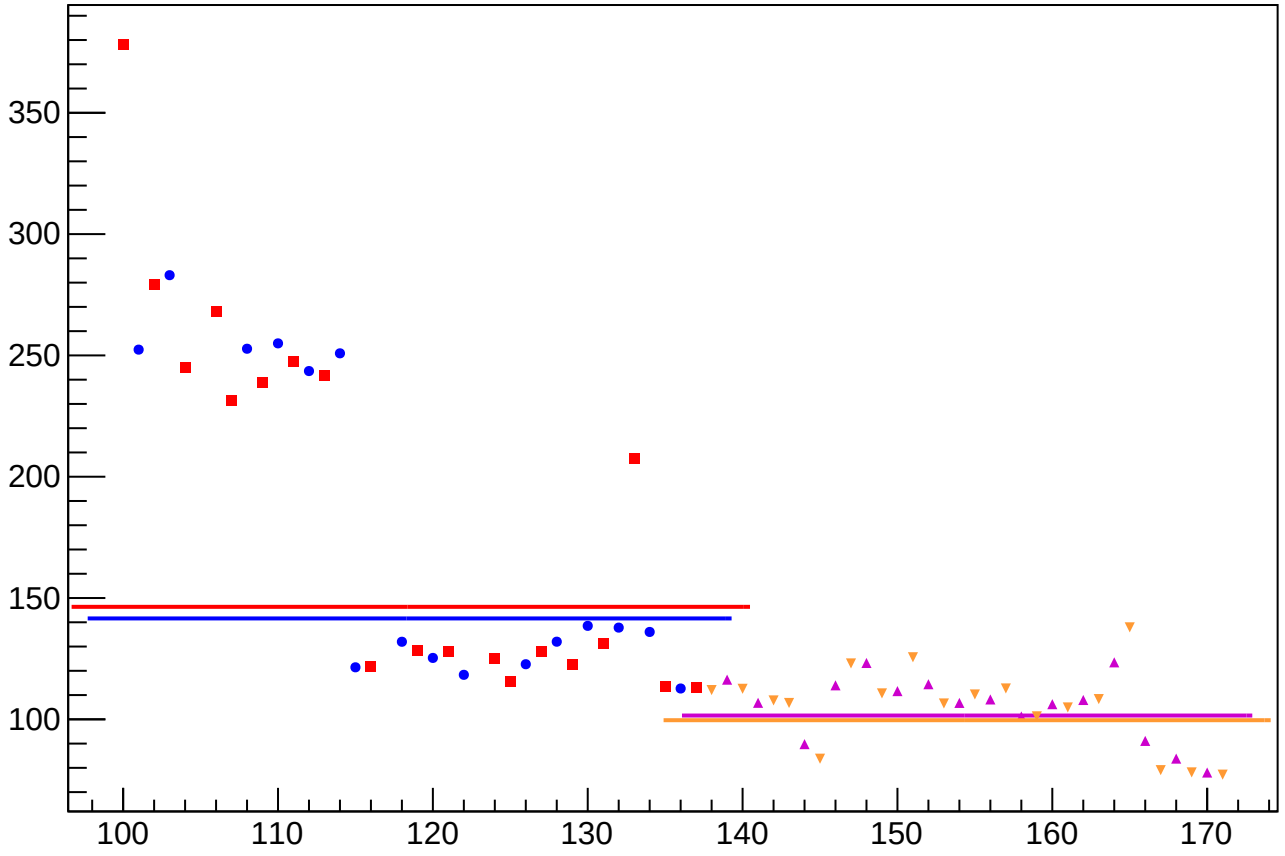
Left In: -57.525+/-28.483 χ^2/NDF:18.7/15

+ sign 47.722+/-24.220 χ^2/NDF: 48.9/33

All: 0.642+/-17.555 χ^2/NDF: 96.3/68

- sign -51.463+/-25.480 χ^2/NDF: 39.4/34

dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 99.637+/-0.019 χ^2/NDF:774404.4/17

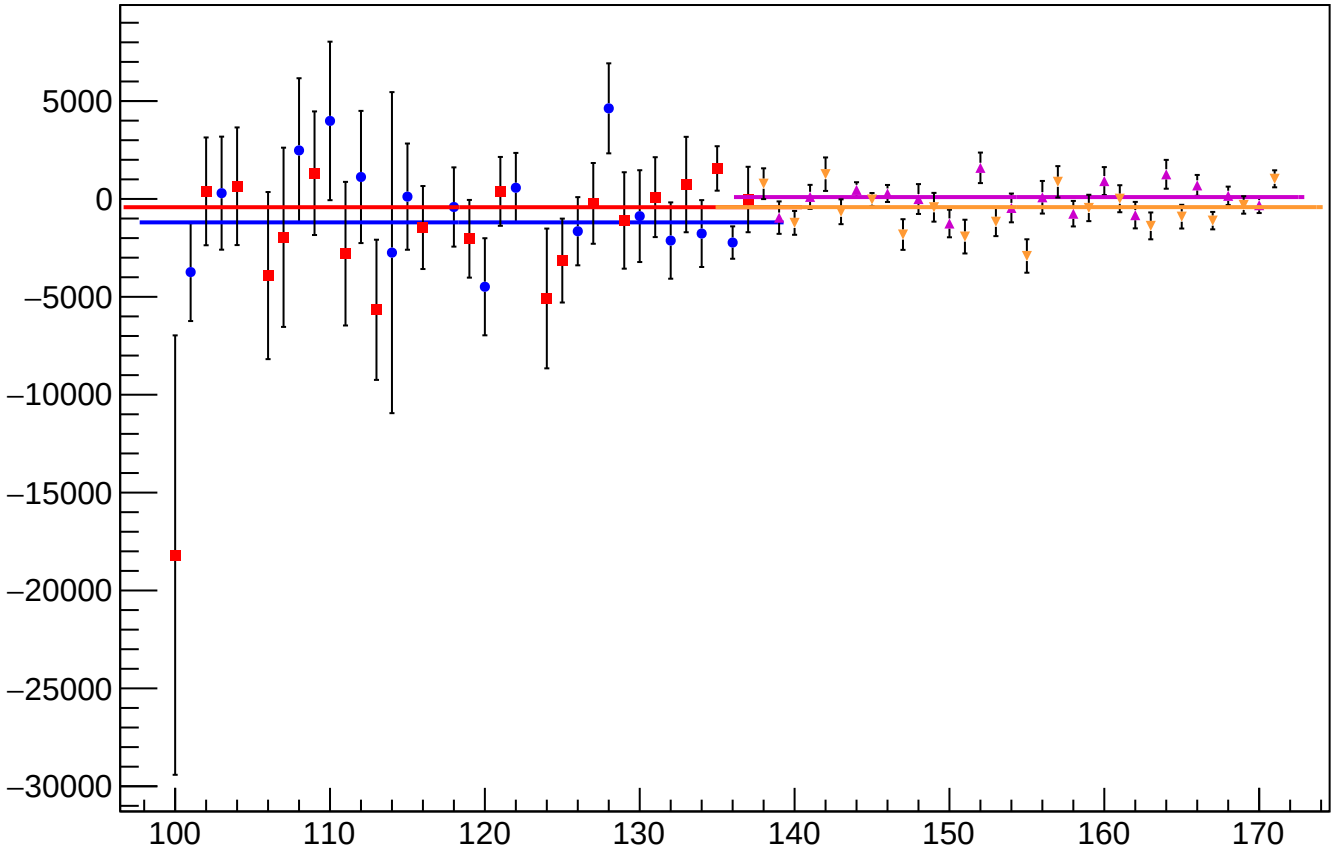
Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 101.563+/-0.020 χ^2/NDF:461117.3/15

+ sign 107.607+/-0.017 χ^2/NDF: 2960124.4/33

All: 108.986+/-0.012 χ^2/NDF: 5936973.2/68

- sign 110.512+/-0.018 χ^2/NDF: 2963197.7/34



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -418.060+/-139.640 χ^2/NDF:44.4/17

Right Out: -422.161+/-523.834 χ^2/NDF: 14.3/18

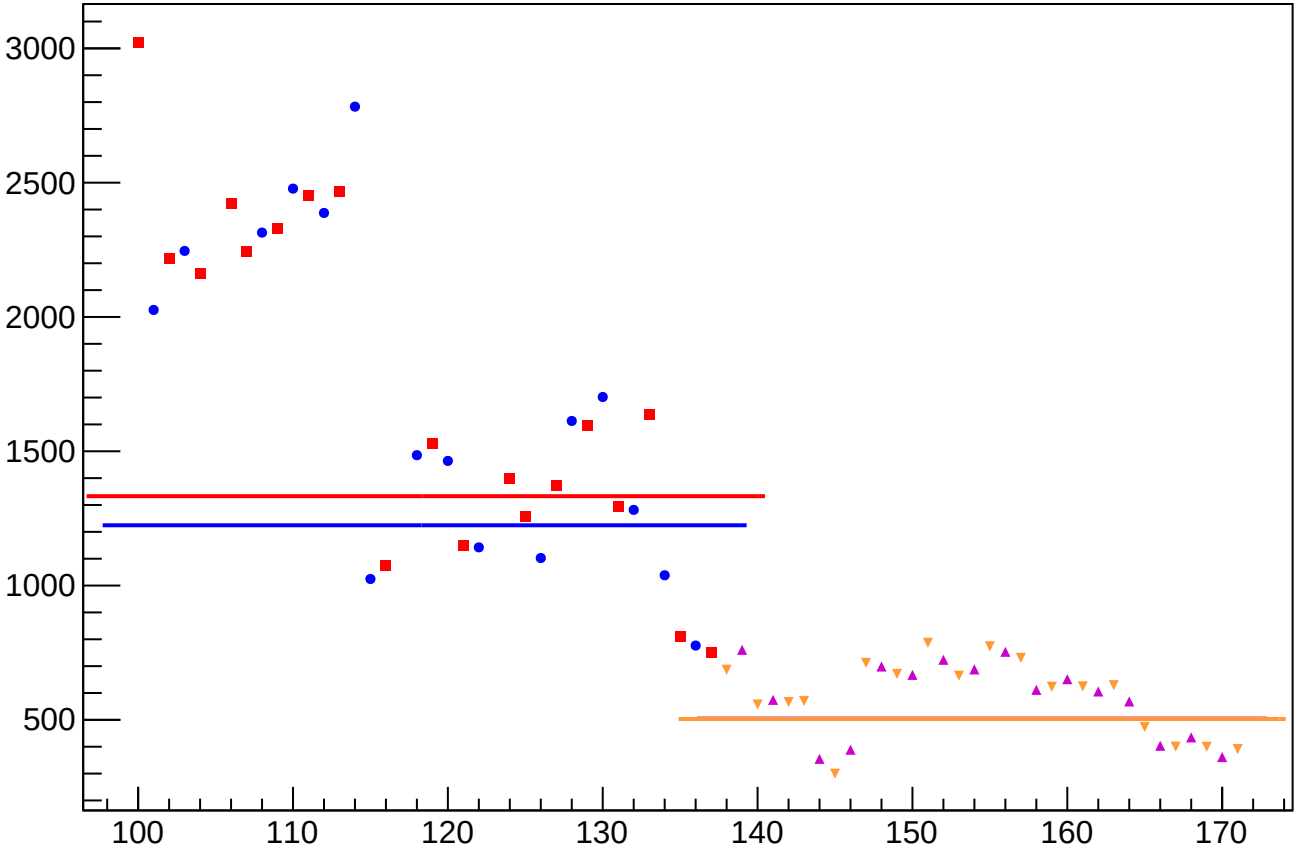
Left In: 95.350+/-145.537 χ^2/NDF:20.3/15

+ sign -476.239+/-134.321 χ^2/NDF: 62.7/33

All: -220.475+/-97.000 χ^2/NDF: 105.7/68

- sign 58.267+/-140.225 χ^2/NDF: 35.5/34

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 503.270+/-0.099 χ^2/NDF:2370101.9/17

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

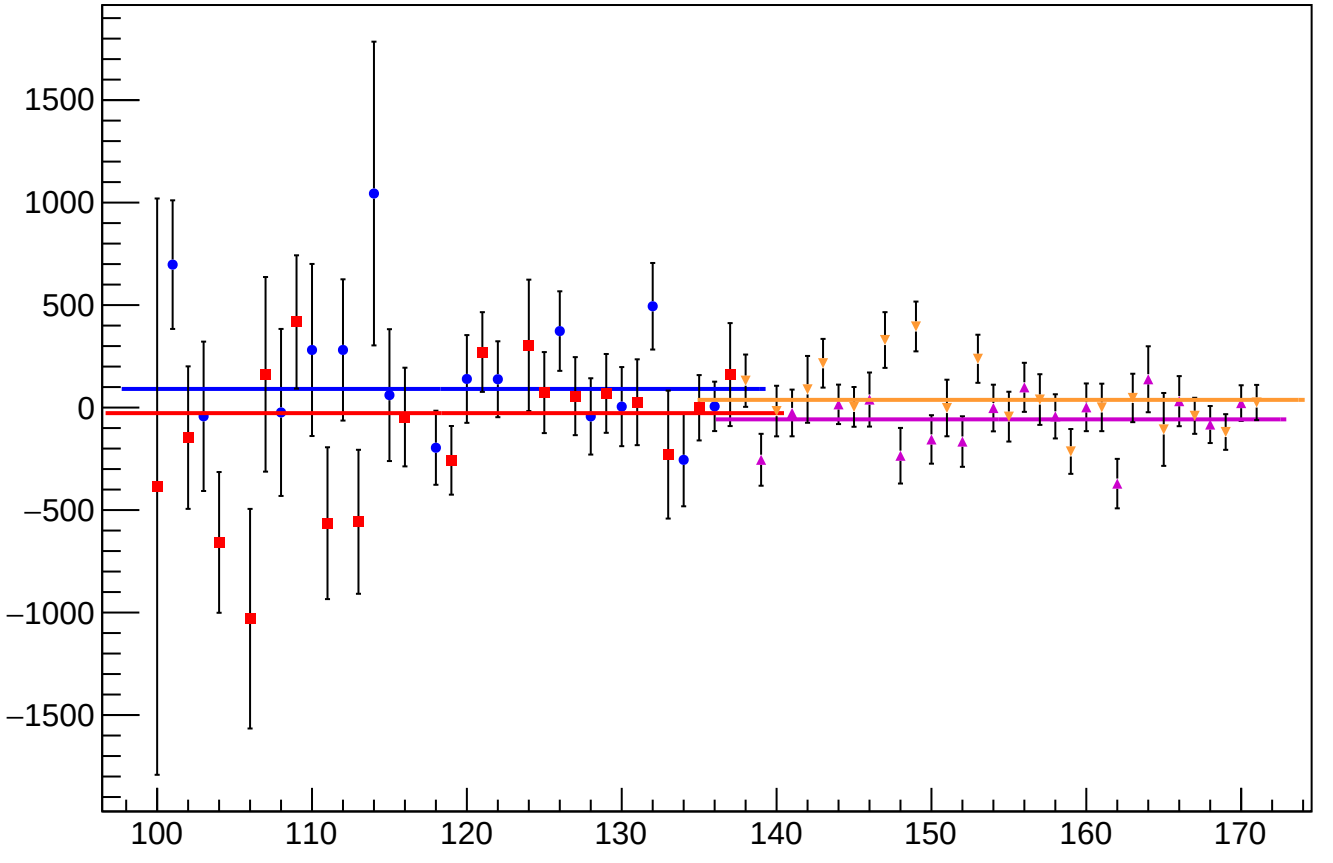
Left In: 504.859+/-0.103 χ^2/NDF:1916703.3/15

+ sign 557.159+/-0.095 χ^2/NDF: 8315784.7/33

All: 560.522+/-0.069 χ^2/NDF: 16867941.9/68

- sign 564.187+/-0.099 χ^2/NDF: 8549537.3/34

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 37.590+/-26.912 χ^2/NDF:30.1/17

Right Out: -27.170+/-57.015 χ^2/NDF: 20.6/18

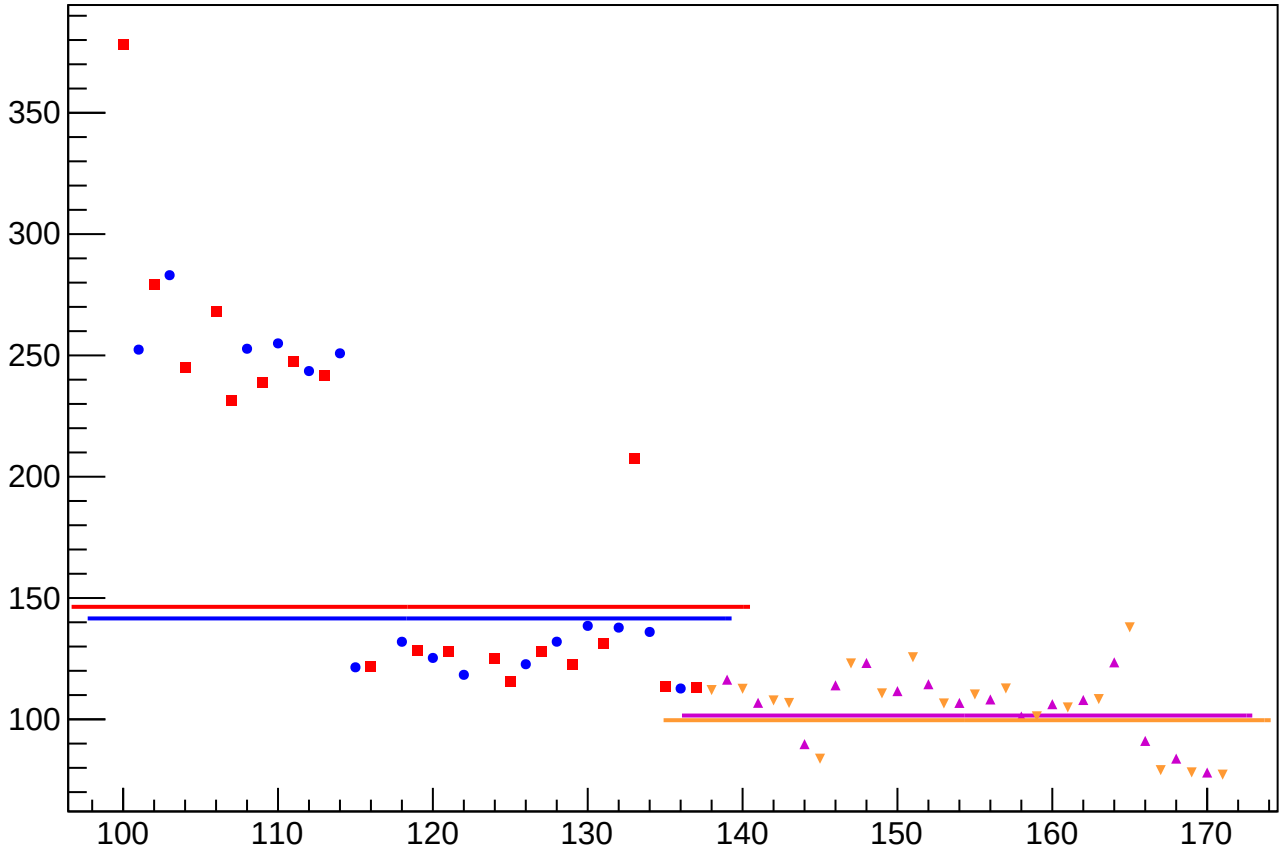
Left In: -57.523+/-28.483 χ^2/NDF:18.7/15

+ sign 47.721+/-24.220 χ^2/NDF: 48.9/33

All: 0.642+/-17.555 χ^2/NDF: 96.3/68

- sign -51.461+/-25.480 χ^2/NDF: 39.4/34

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 99.637+/-0.019 χ^2/NDF:774394.3/17

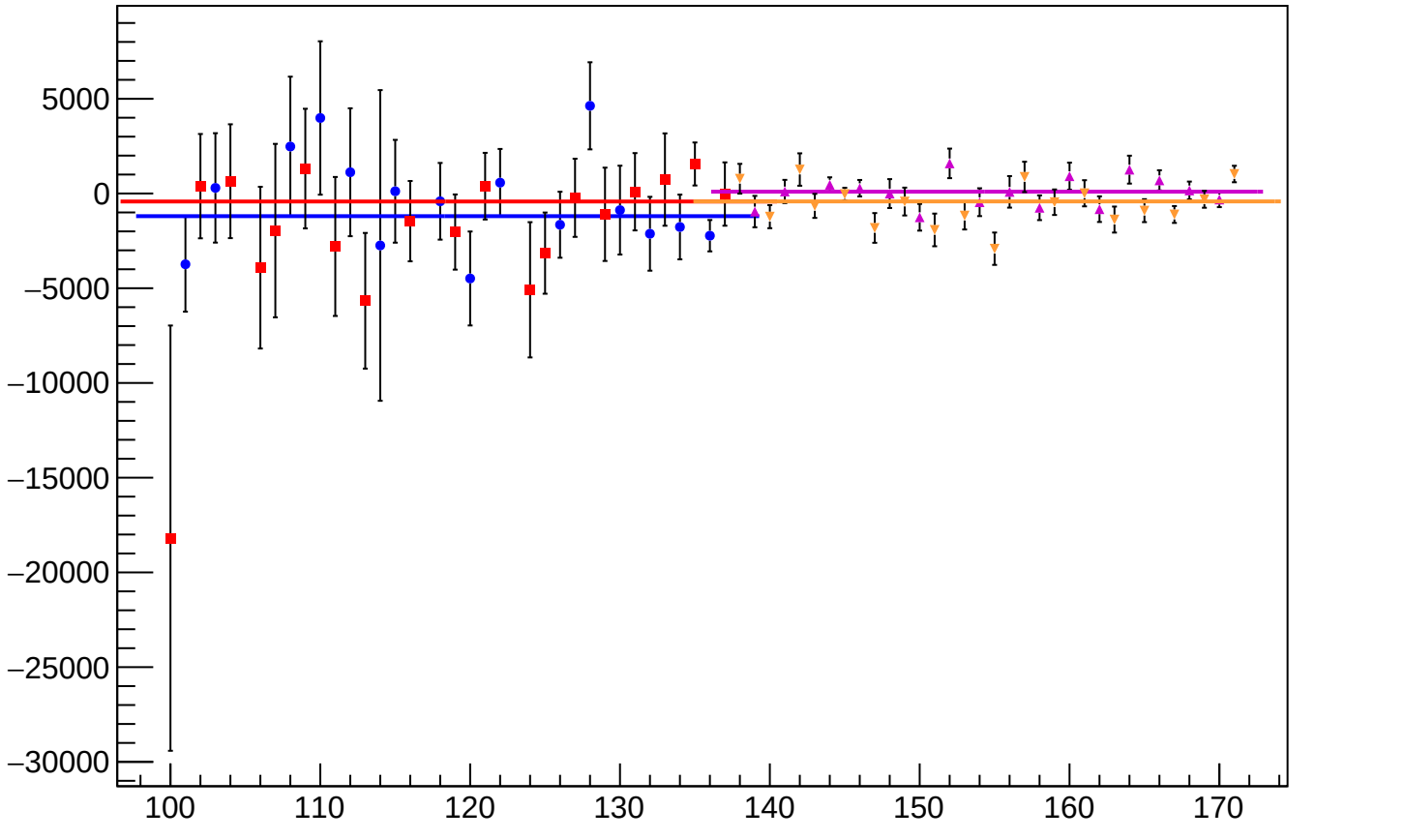
Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 101.564+/-0.020 χ^2/NDF:461103.3/15

+ sign 107.608+/-0.017 χ^2/NDF: 2960060.4/33

All: 108.986+/-0.012 χ^2/NDF: 5936848.6/68

- sign 110.512+/-0.018 χ^2/NDF: 2963135.6/34



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -418.059+/-139.639 χ^2/NDF:44.4/17

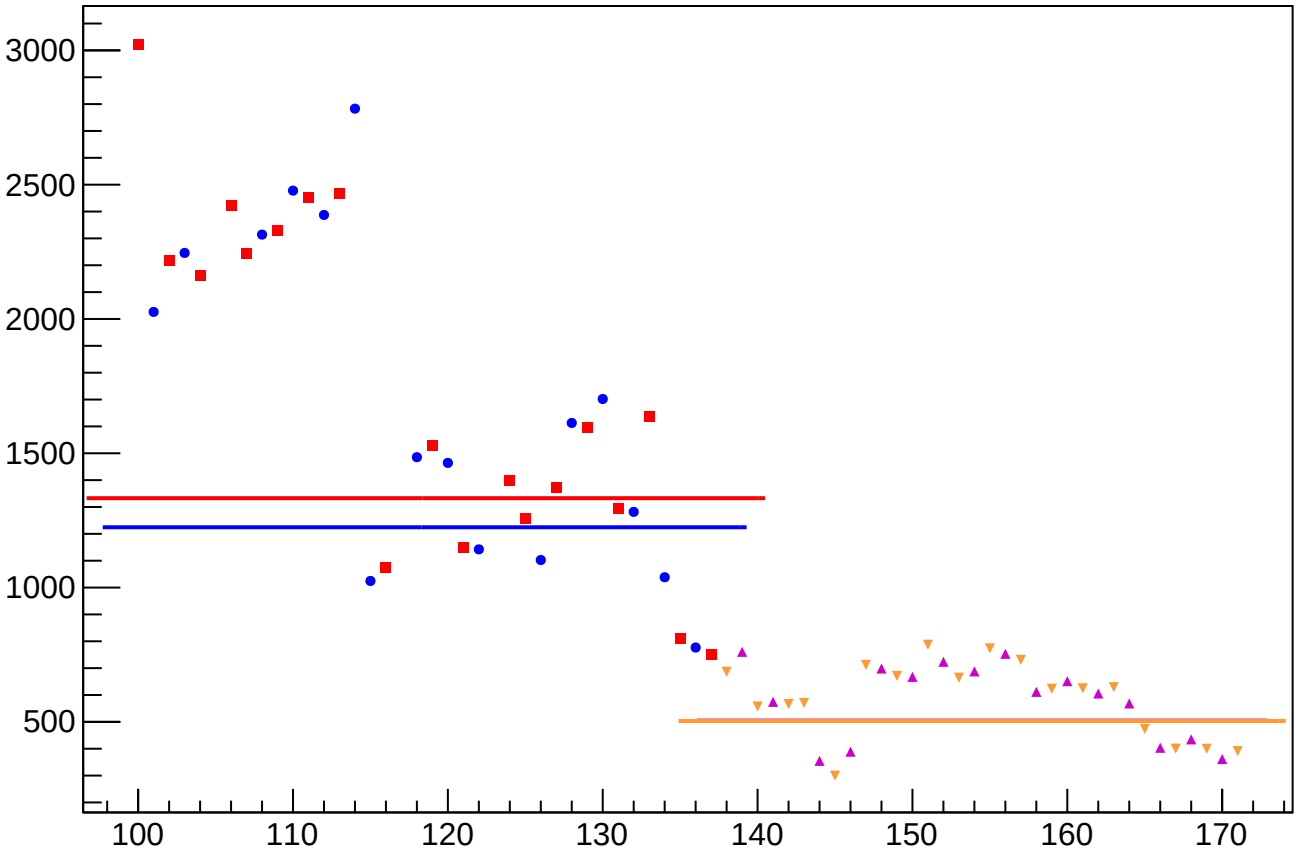
Right Out: -422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 95.350+/-145.536 χ^2/NDF:20.3/15

+ sign -476.237+/-134.321 χ^2/NDF: 62.7/33

All: -220.475+/-96.999 χ^2/NDF: 105.7/68

- sign 58.266+/-140.225 χ^2/NDF: 35.5/34



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 503.268+/-0.099 χ^2/NDF:2370153.2/17

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

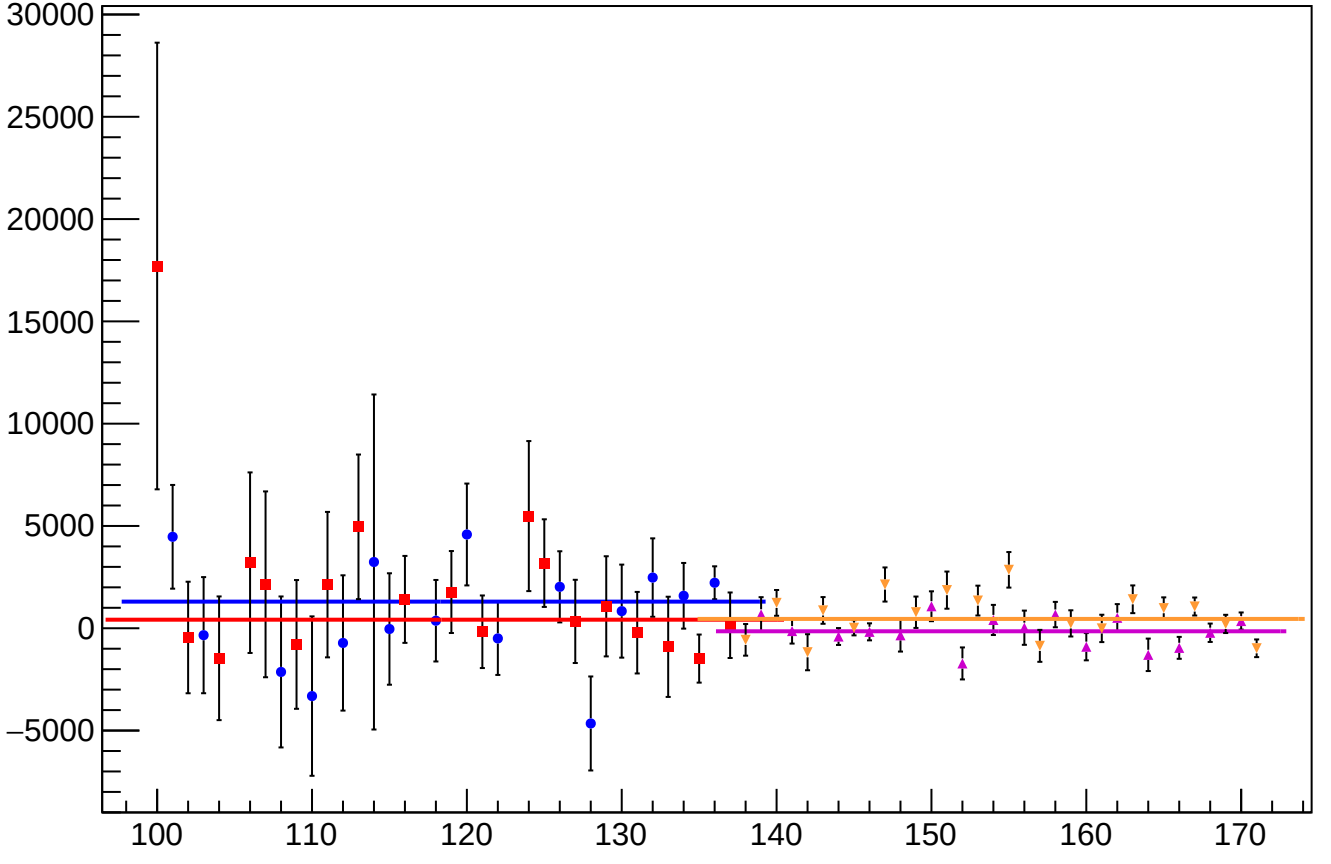
Left In: 504.858+/-0.103 χ^2/NDF:1916732.5/15

+ sign 557.157+/-0.095 χ^2/NDF: 8315840.1/33

All: 560.520+/-0.069 χ^2/NDF: 16868028.0/68

- sign 564.186+/-0.099 χ^2/NDF: 8549567.6/34

asym_sam_26_avg_mean vs Slug



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 456.231+/-141.028 χ^2/NDF:43.9/17

Right Out: 418.283+/-524.515 χ^2/NDF: 13.0/18

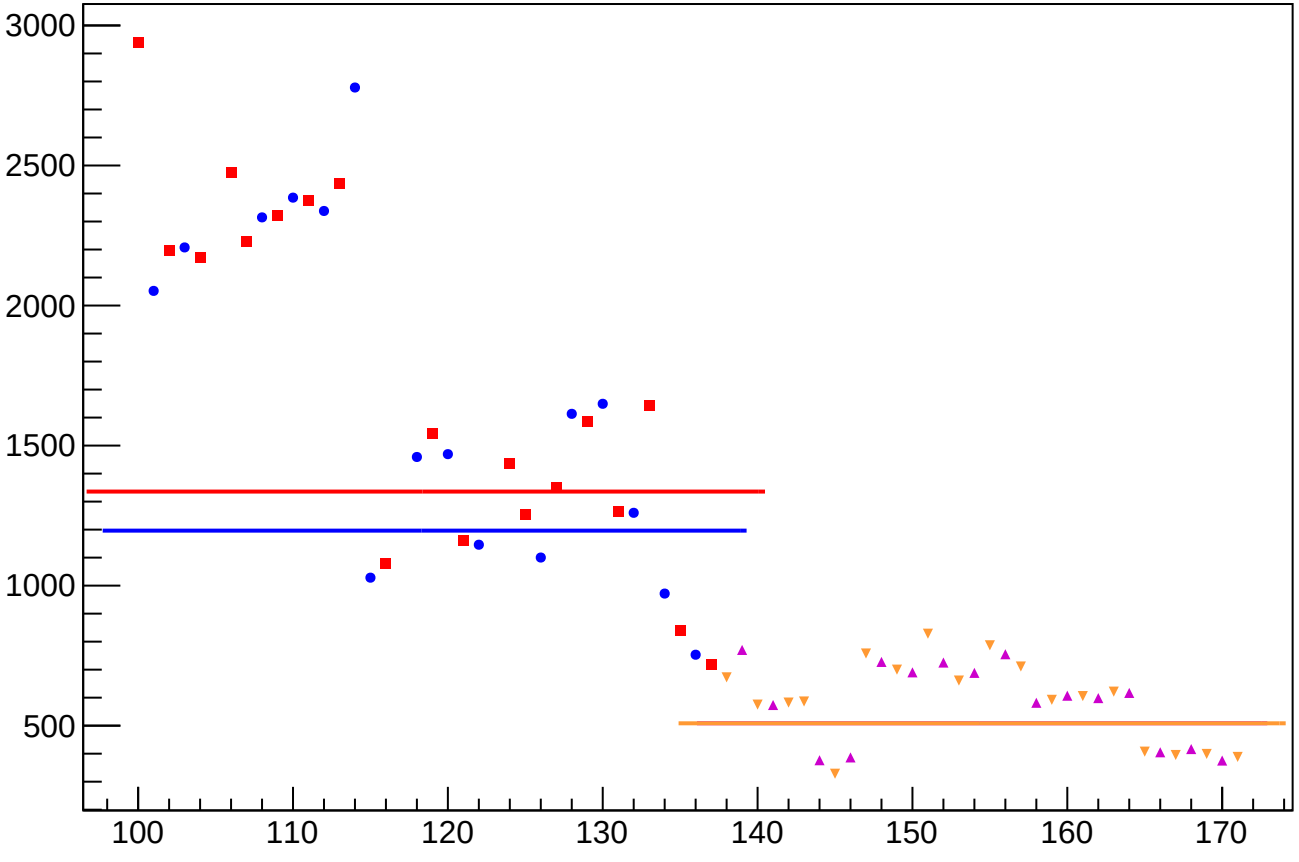
Left In: -147.962+/-146.008 χ^2/NDF:18.7/15

+ sign 522.907+/-135.353 χ^2/NDF: 63.2/33

All: 219.946+/-97.531 χ^2/NDF: 106.5/68

- sign -107.240+/-140.660 χ^2/NDF: 32.8/34

asym_sam_26_avg_rms vs Slug



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 508.414+/-0.100 χ^2/NDF:2218080.2/17

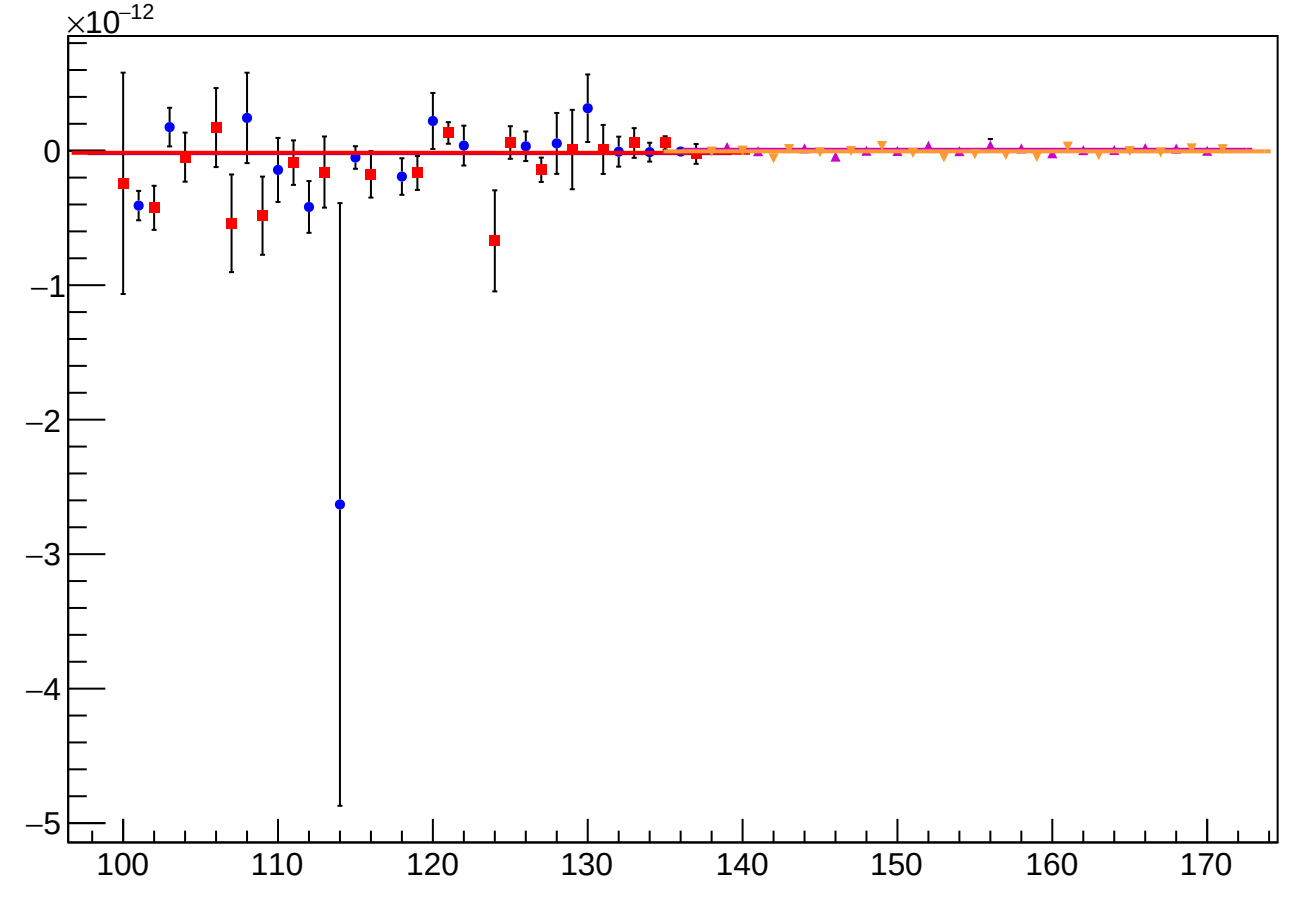
Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 508.611+/-0.103 χ^2/NDF:1822195.4/15

+ sign 562.672+/-0.096 χ^2/NDF: 8003241.5/33

All: 565.282+/-0.069 χ^2/NDF: 16395028.9/68

- sign 568.100+/-0.099 χ^2/NDF: 8390241.0/34



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/17

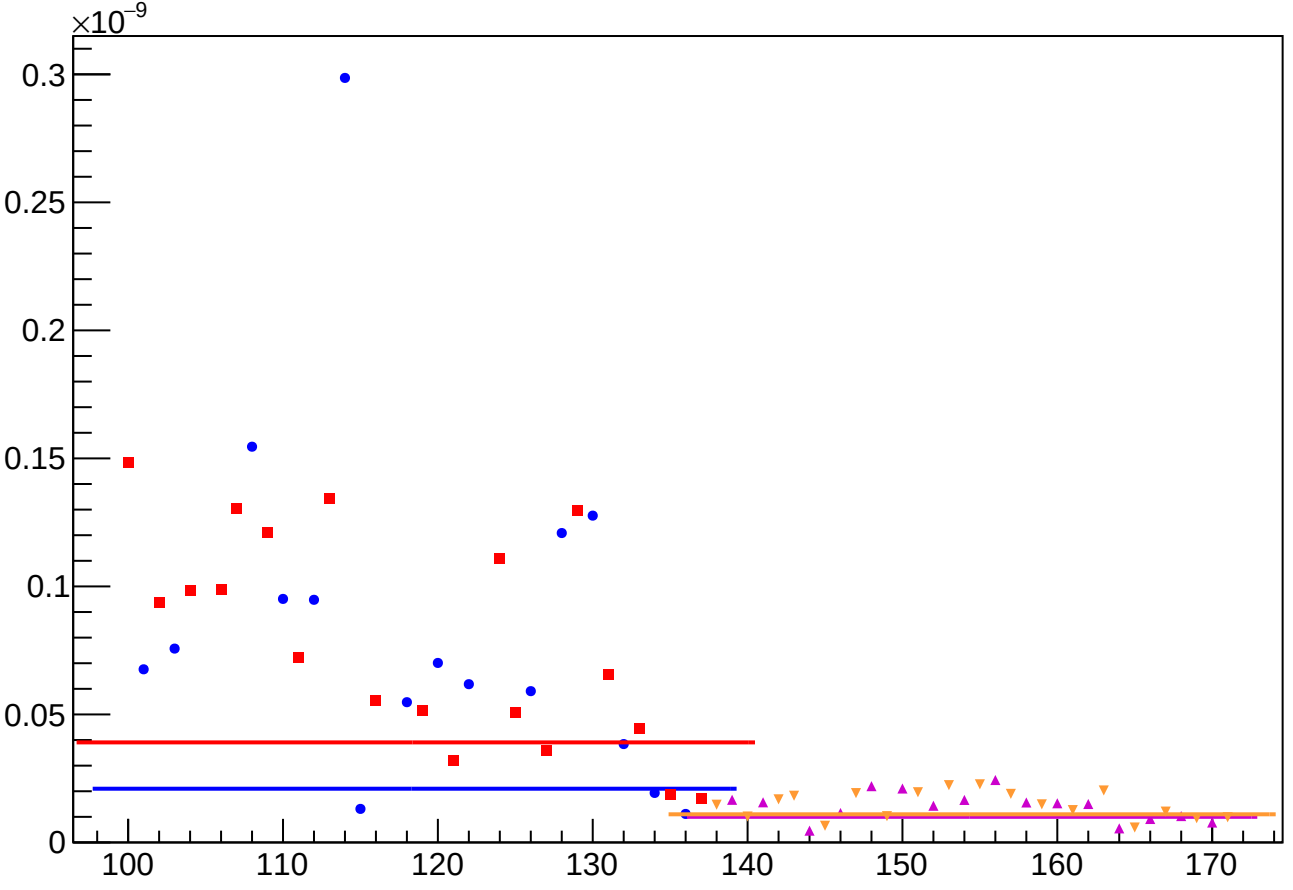
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/33

All: -0.000+/-0.000 χ^2/NDF: 87.4/68

- sign 0.000+/-0.000 χ^2/NDF: 39.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1836605.4/17

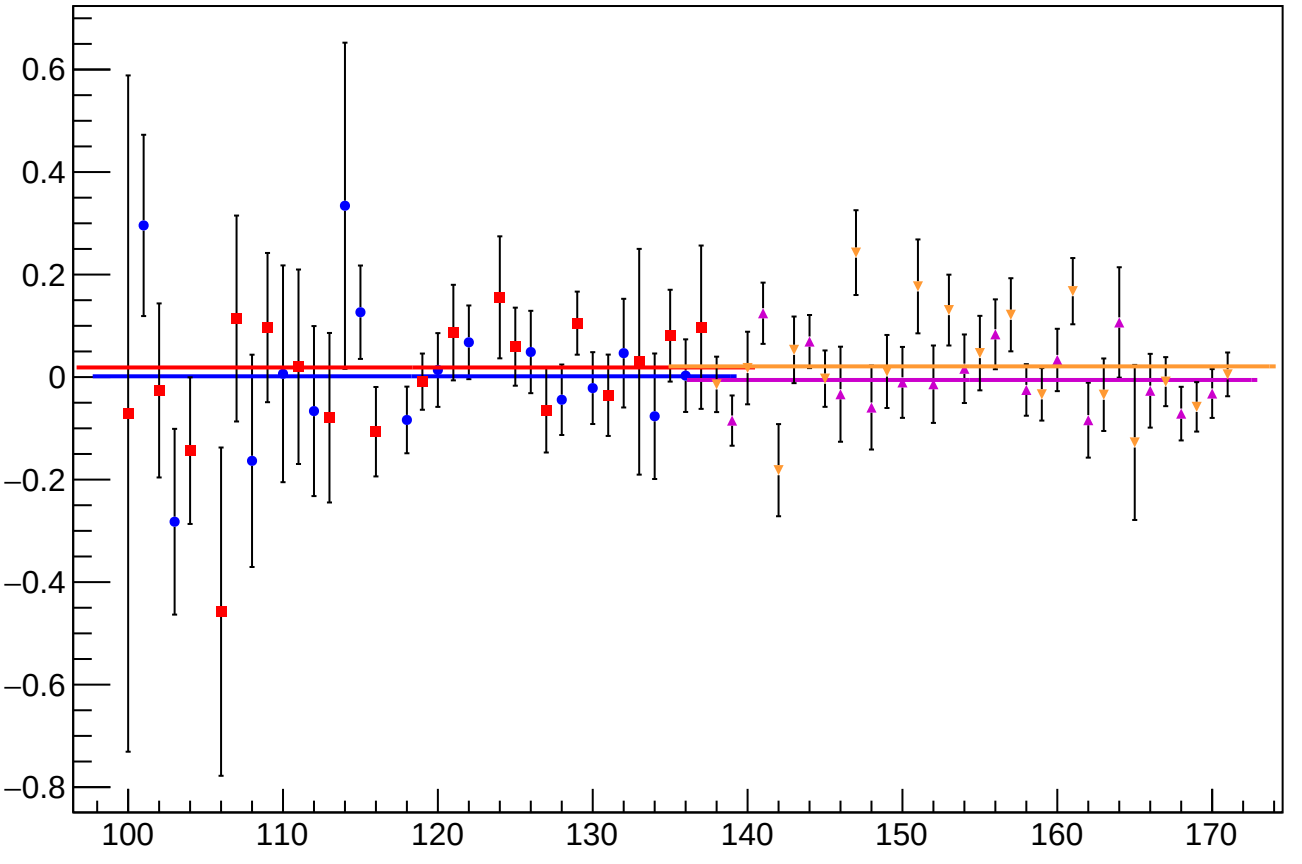
Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2067998.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 5801830.0/33

All: 0.000+/-0.000 χ^2/NDF: 12116163.7/68

- sign 0.000+/-0.000 χ^2/NDF: 6290749.8/34



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

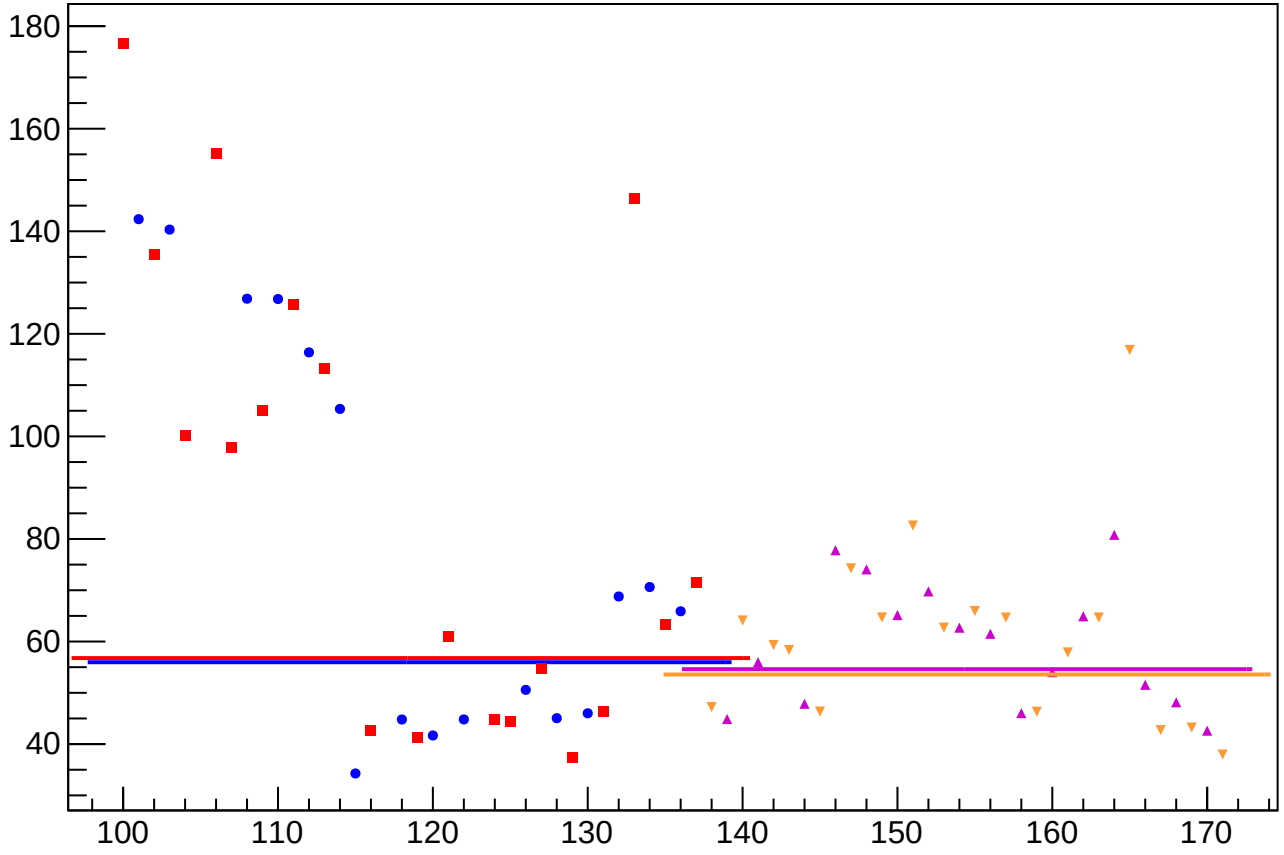
Left In: -0.006+/-0.016 χ^2/NDF:16.6/15

+ sign 0.015+/-0.013 χ^2/NDF: 45.3/33

All: 0.009+/-0.009 χ^2/NDF: 76.3/68

- sign 0.002+/-0.013 χ^2/NDF: 30.4/34

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: 53.574+/-0.010 χ^2/NDF:1552668.4/17

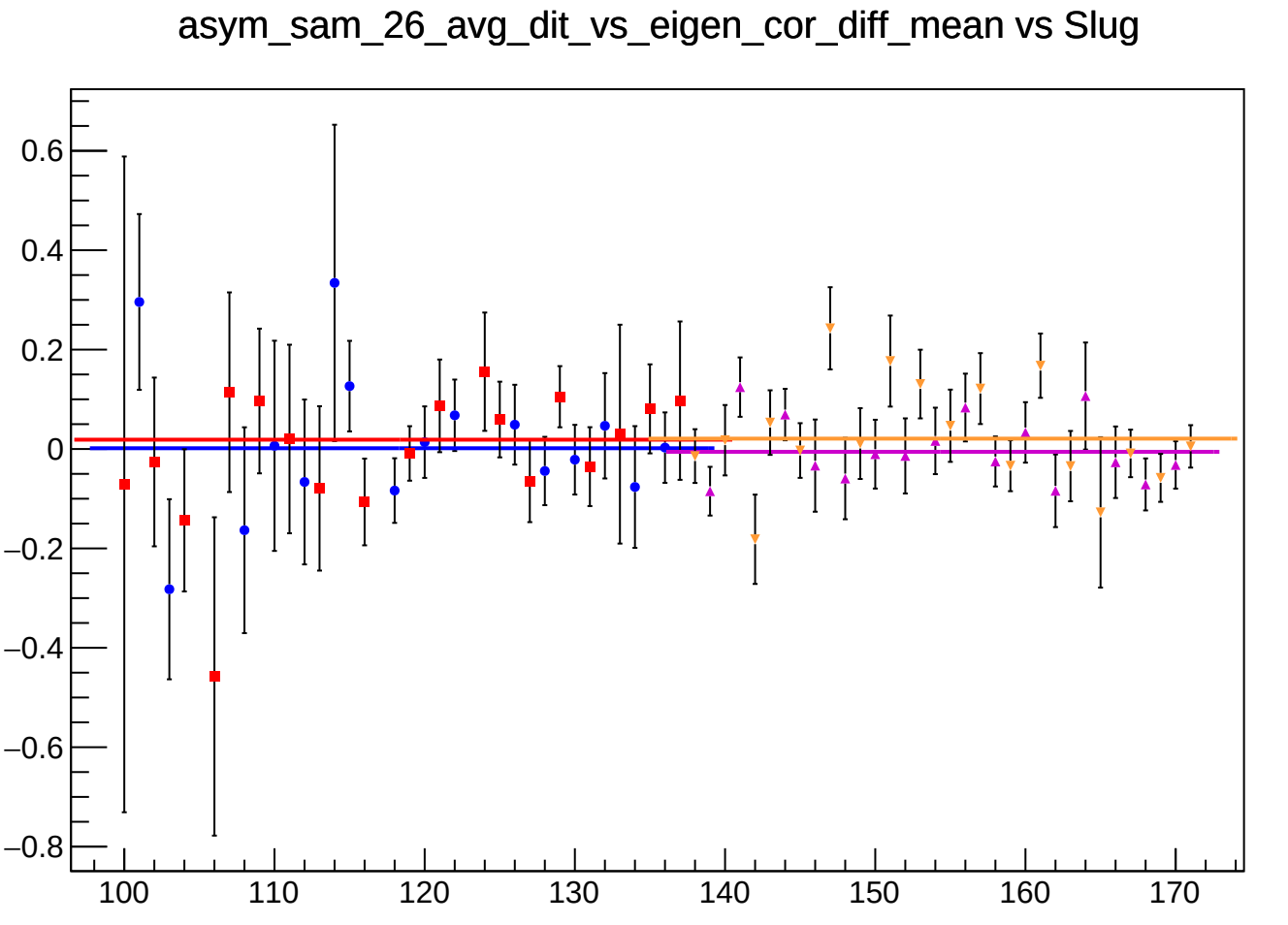
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

+ sign 54.256+/-0.009 χ^2/NDF: 3747448.2/33

All: 54.743+/-0.006 χ^2/NDF: 7224374.9/68

- sign 55.271+/-0.009 χ^2/NDF: 3470613.3/34



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

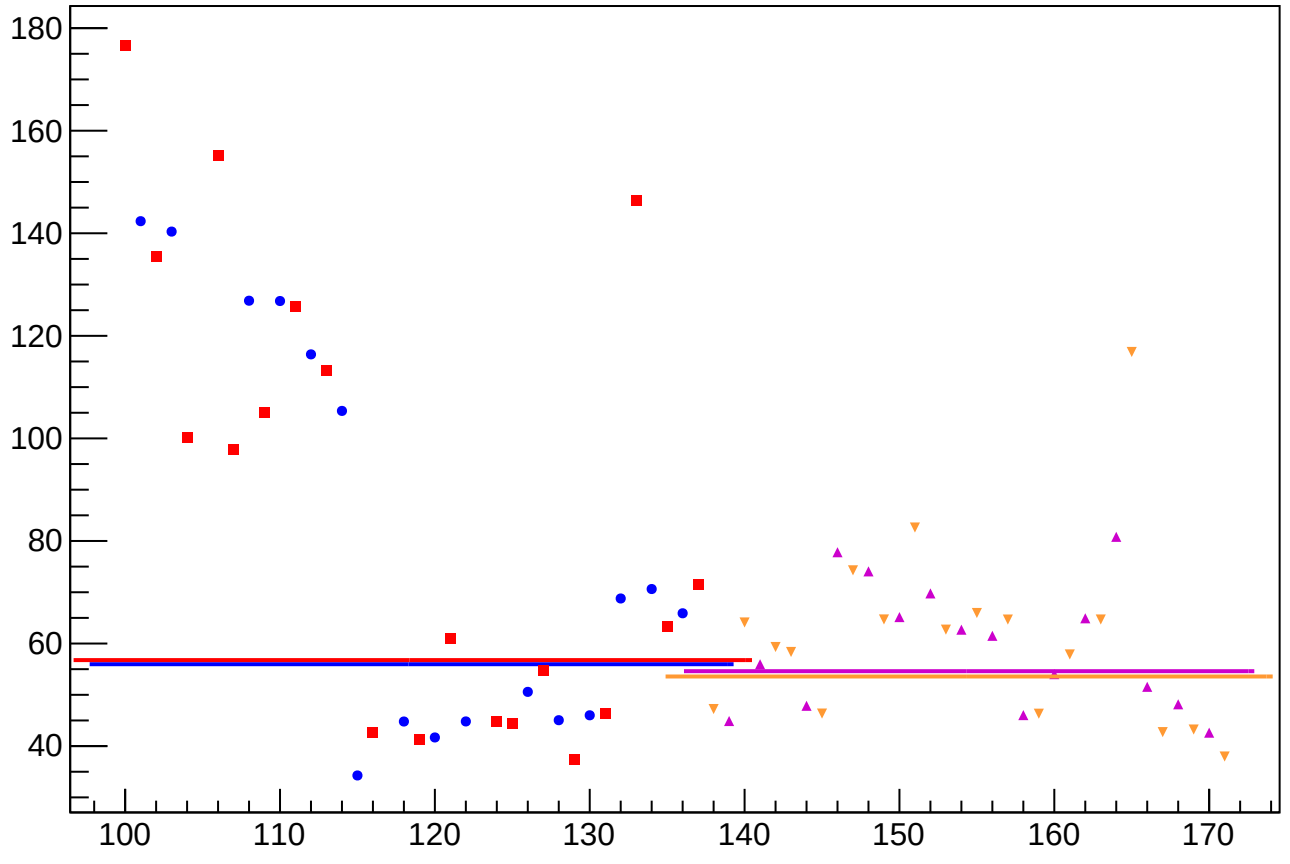
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.016 χ^2/NDF:16.6/15

+ sign 0.015+/-0.013 χ^2/NDF: 45.3/33

All: 0.009+/-0.009 χ^2/NDF: 76.3/68

- sign 0.002+/-0.013 χ^2/NDF: 30.4/34



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552668.4/17

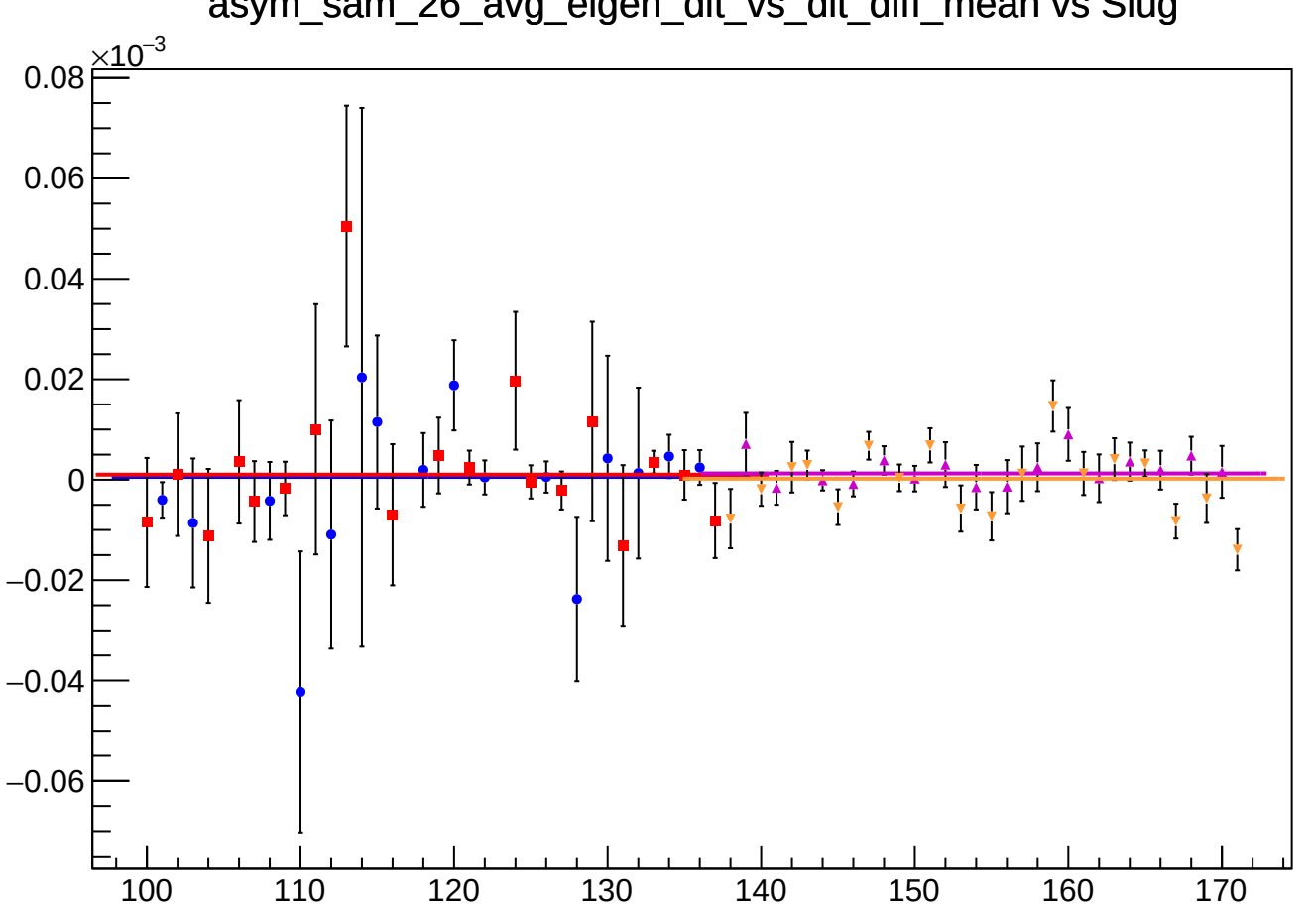
Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

+ sign 54.256+/-0.009 χ^2/NDF: 3747448.2/33

All: 54.743+/-0.006 χ^2/NDF: 7224374.9/68

- sign 55.271+/-0.009 χ^2/NDF: 3470613.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.3/17

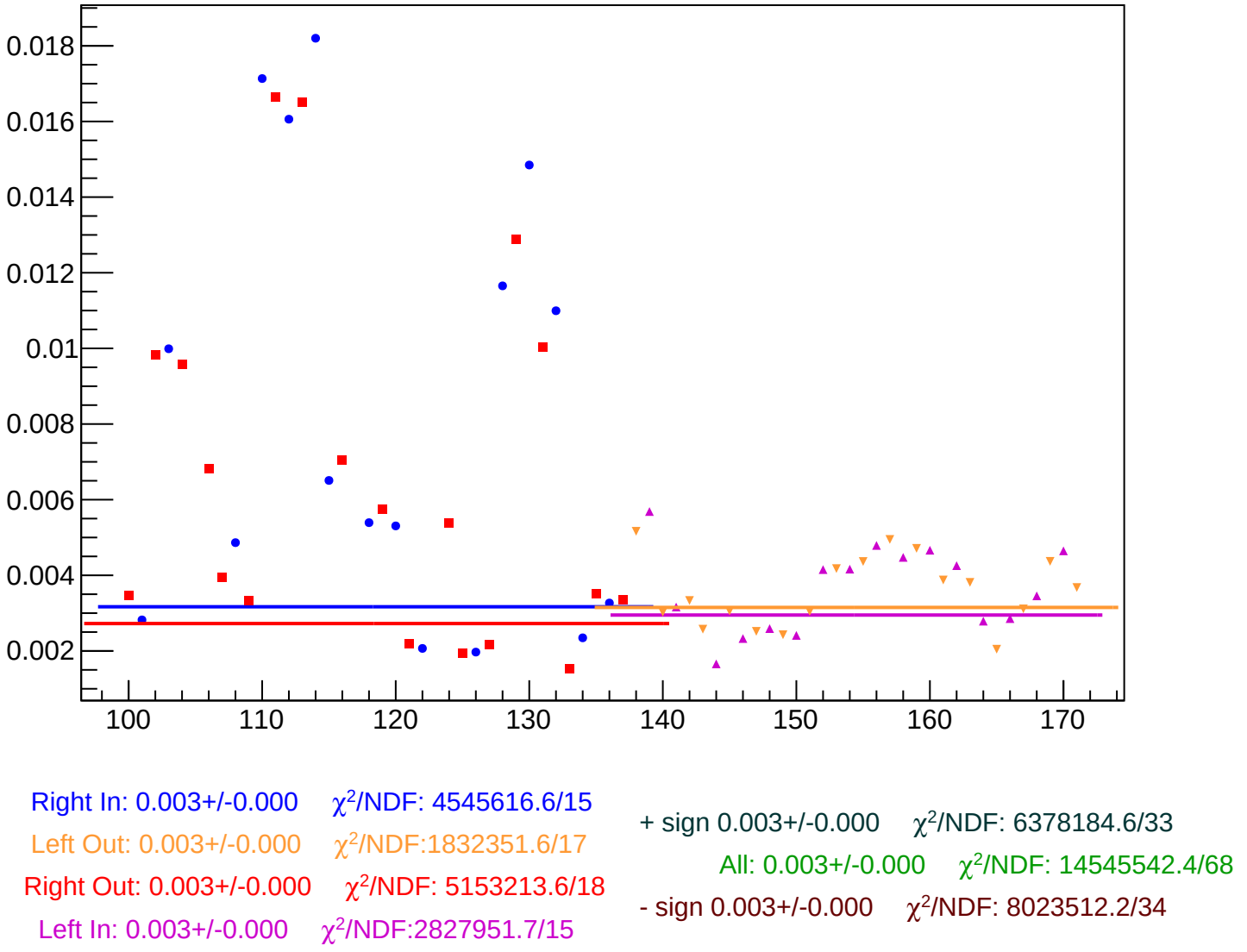
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

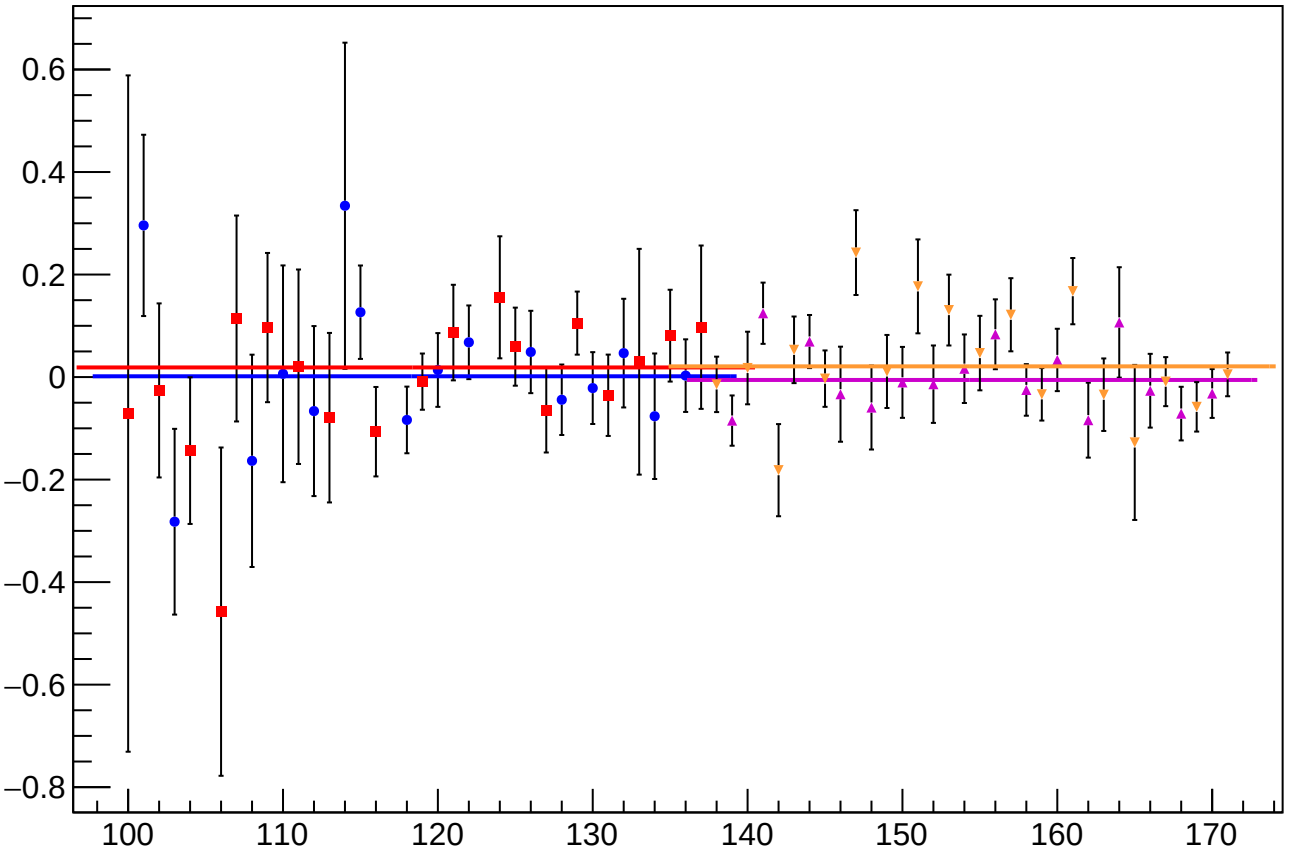
Left In: 0.000+/-0.000 χ^2/NDF:8.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 61.6/33

All: 0.000+/-0.000 χ^2/NDF: 84.4/68

- sign 0.000+/-0.000 χ^2/NDF: 22.0/34


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:1832351.6/17
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:2827951.7/15
+ sign 0.003+/-0.000 χ²/NDF: 6378184.6/33
All: 0.003+/-0.000 χ²/NDF: 14545542.4/68
- sign 0.003+/-0.000 χ²/NDF: 8023512.2/34



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

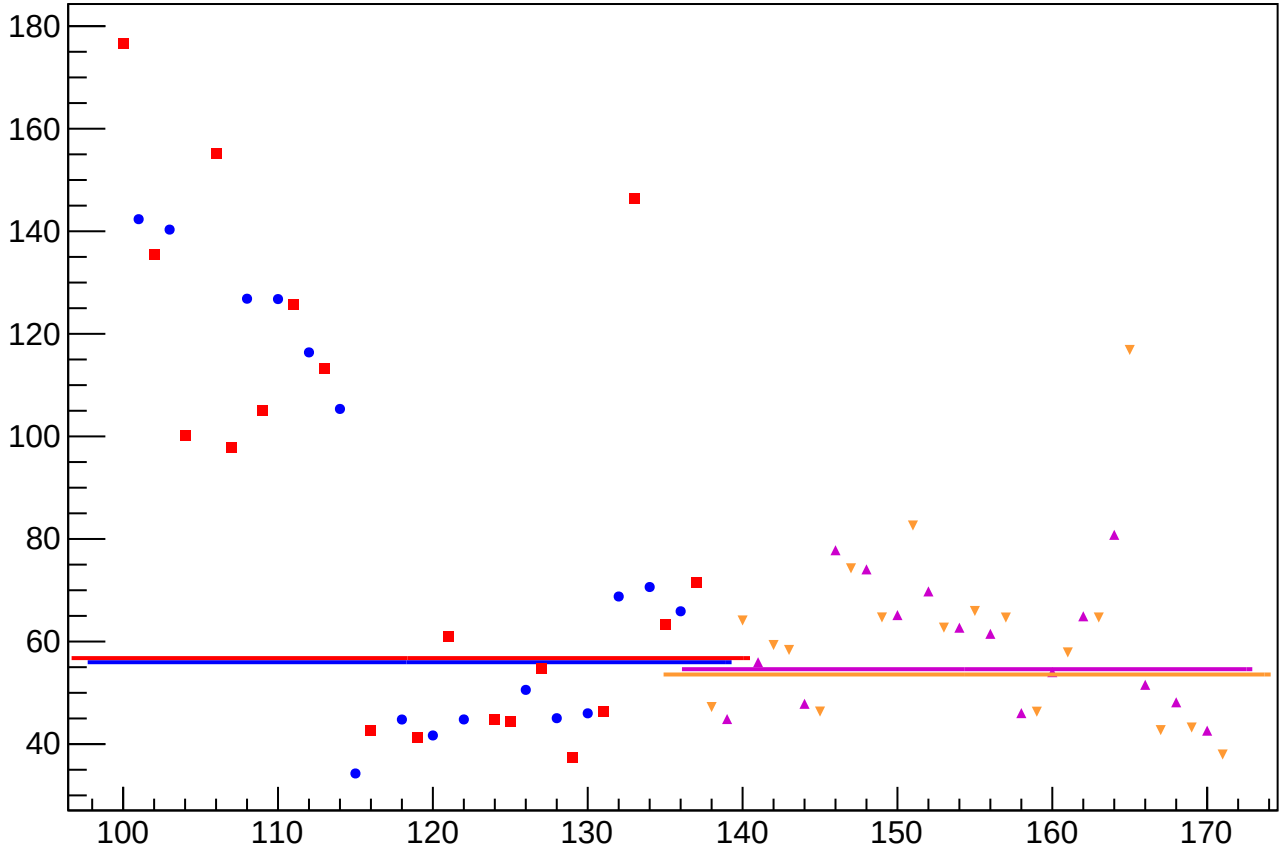
Left In: -0.006+/-0.016 χ^2/NDF:16.6/15

+ sign 0.015+/-0.013 χ^2/NDF: 45.3/33

All: 0.009+/-0.009 χ^2/NDF: 76.3/68

- sign 0.002+/-0.013 χ^2/NDF: 30.4/34

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552639.0/17

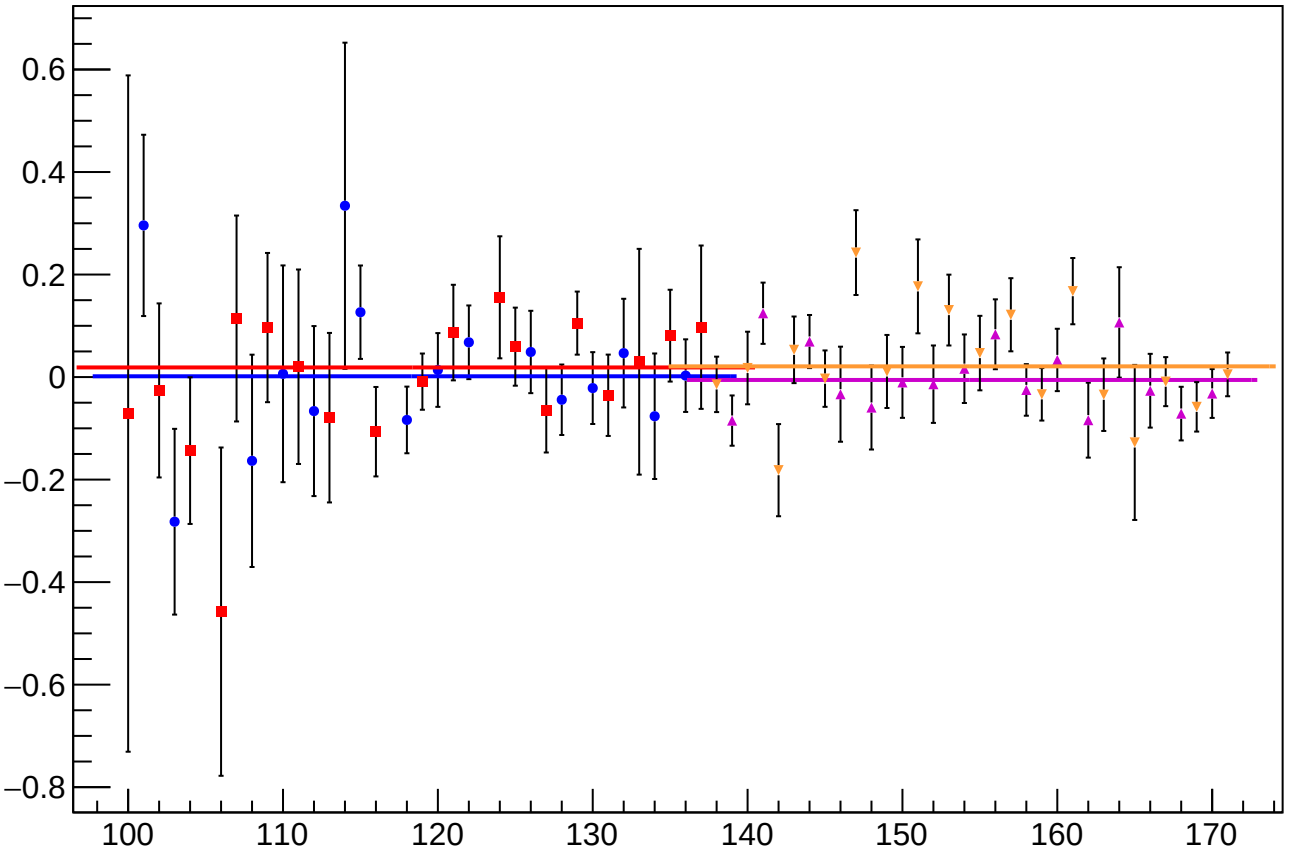
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.609+/-0.011 χ^2/NDF:905628.4/15

+ sign 54.257+/-0.009 χ^2/NDF: 3747336.4/33

All: 54.744+/-0.006 χ^2/NDF: 7224159.3/68

- sign 55.271+/-0.009 χ^2/NDF: 3470508.9/34



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

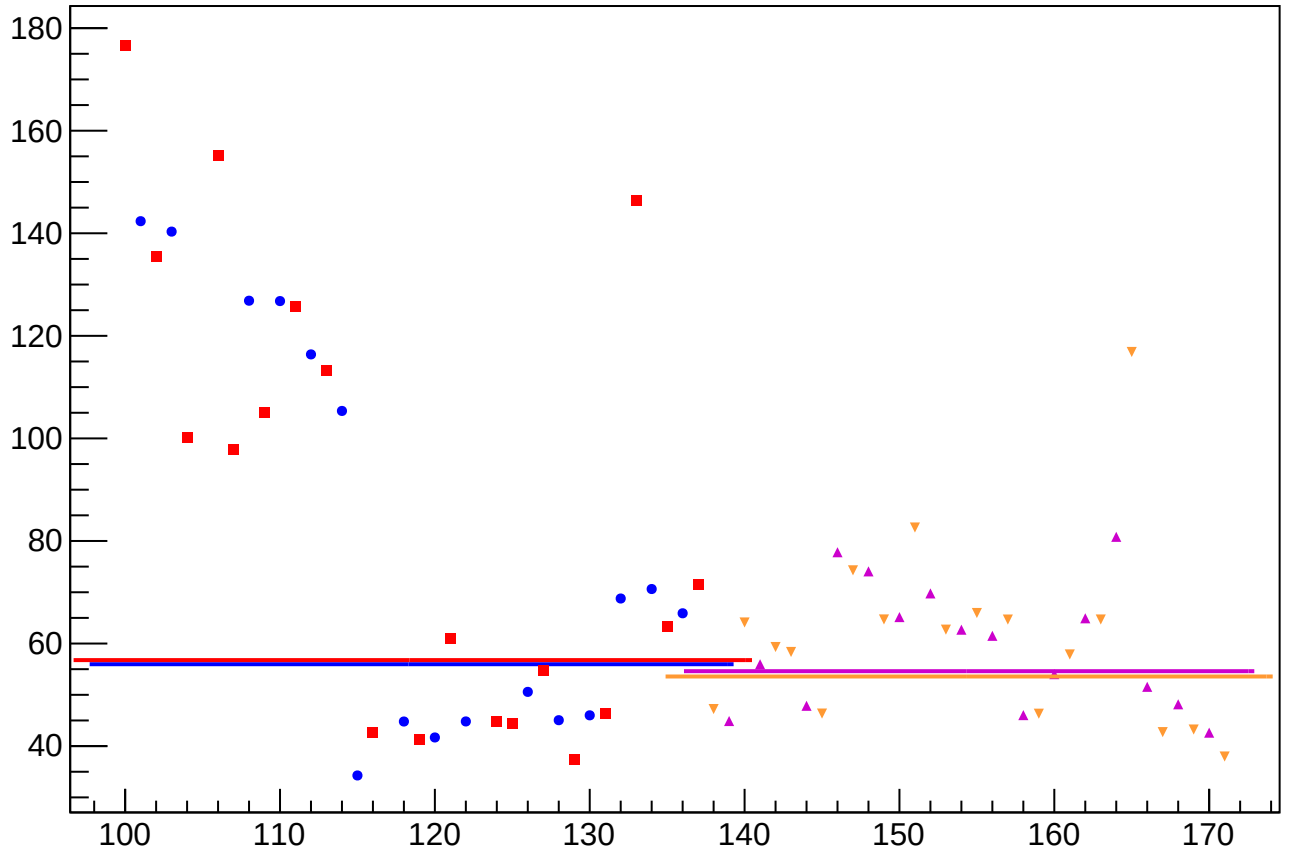
Right Out: 0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.016 χ^2/NDF:16.6/15

+ sign 0.015+/-0.013 χ^2/NDF: 45.3/33

All: 0.009+/-0.009 χ^2/NDF: 76.3/68

- sign 0.002+/-0.013 χ^2/NDF: 30.4/34



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552639.0/17

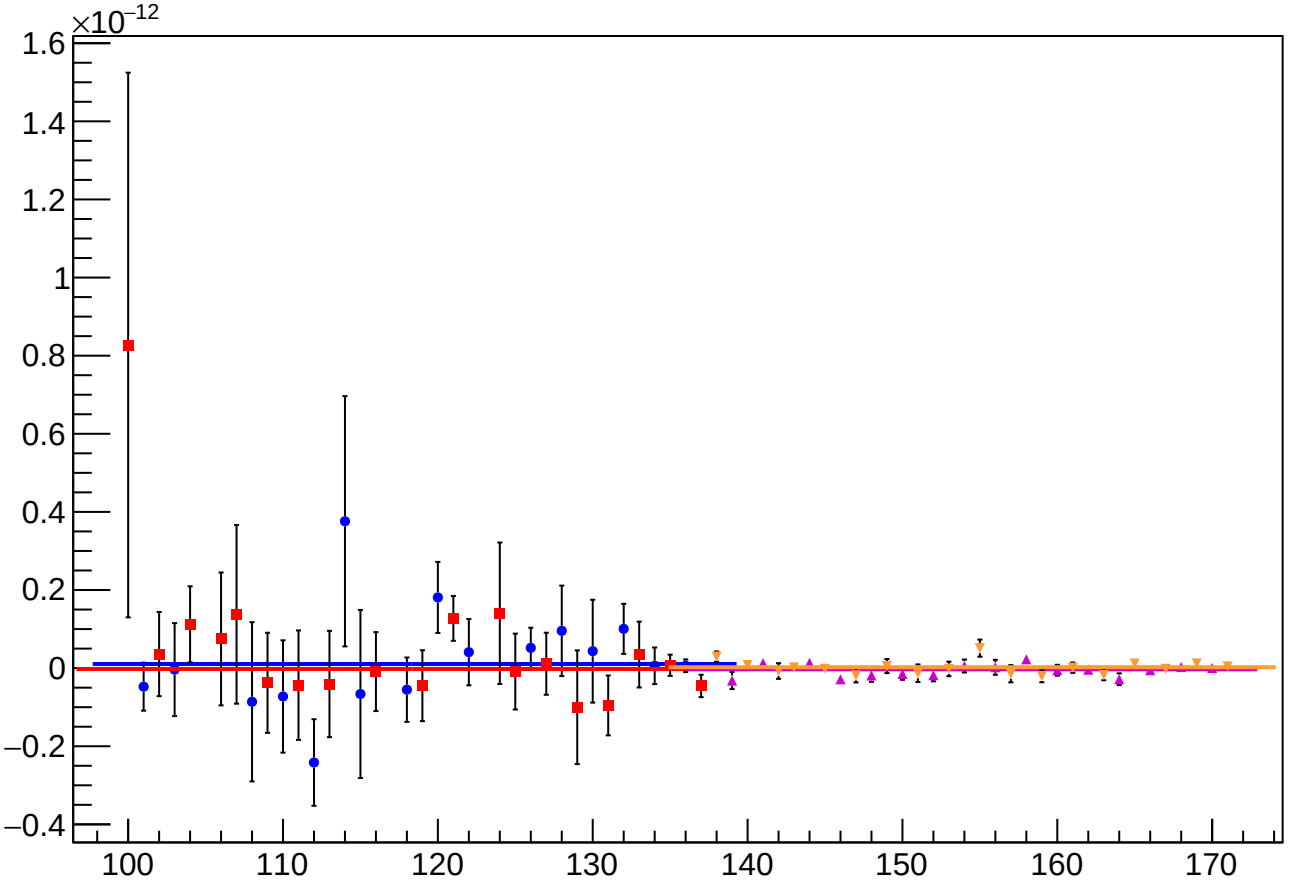
Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 54.609+/-0.011 χ^2/NDF:905628.4/15

+ sign 54.257+/-0.009 χ^2/NDF: 3747336.4/33

All: 54.744+/-0.006 χ^2/NDF: 7224159.3/68

- sign 55.271+/-0.009 χ^2/NDF: 3470508.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/17

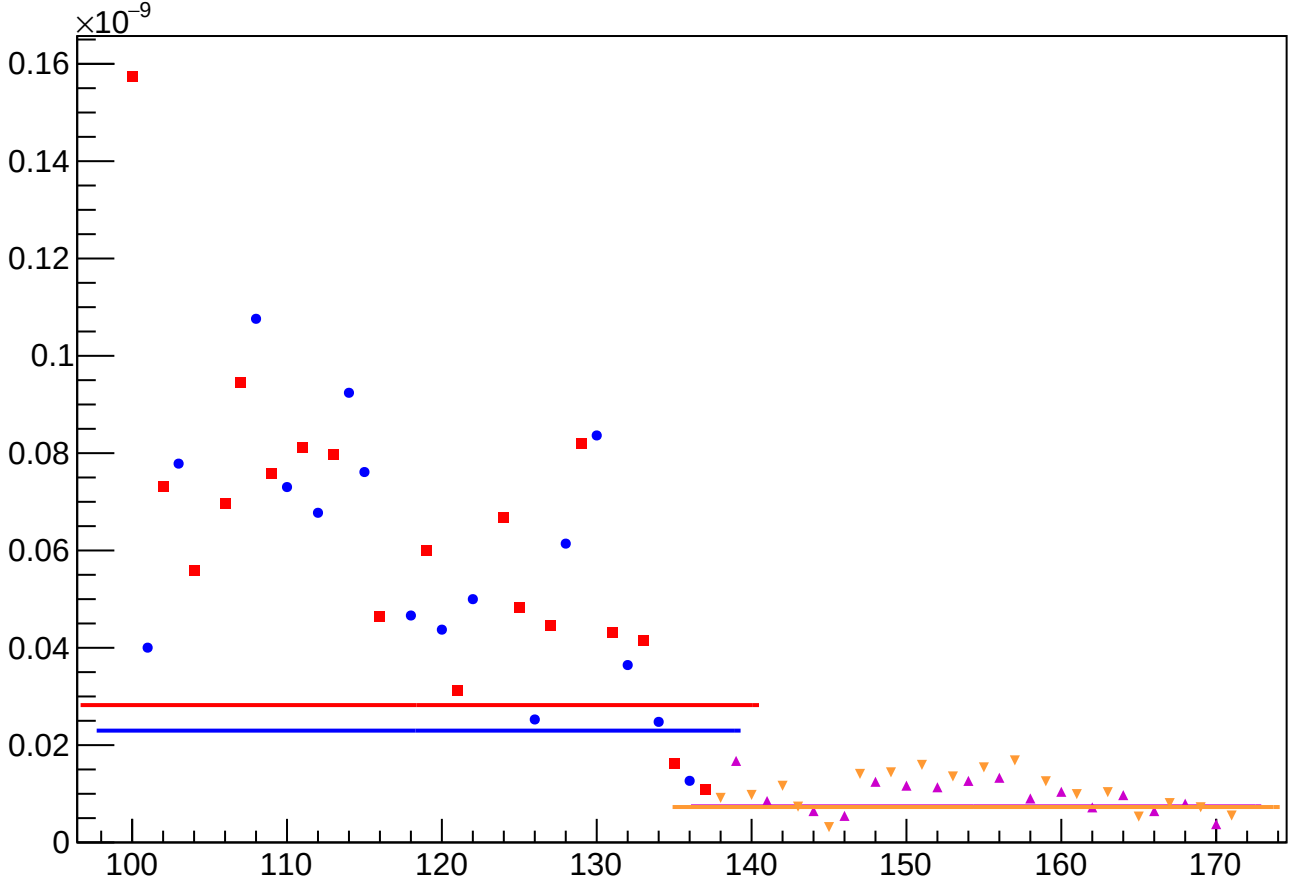
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:28.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/33

All: -0.000+/-0.000 χ^2/NDF: 80.4/68

- sign -0.000+/-0.000 χ^2/NDF: 42.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3933377.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

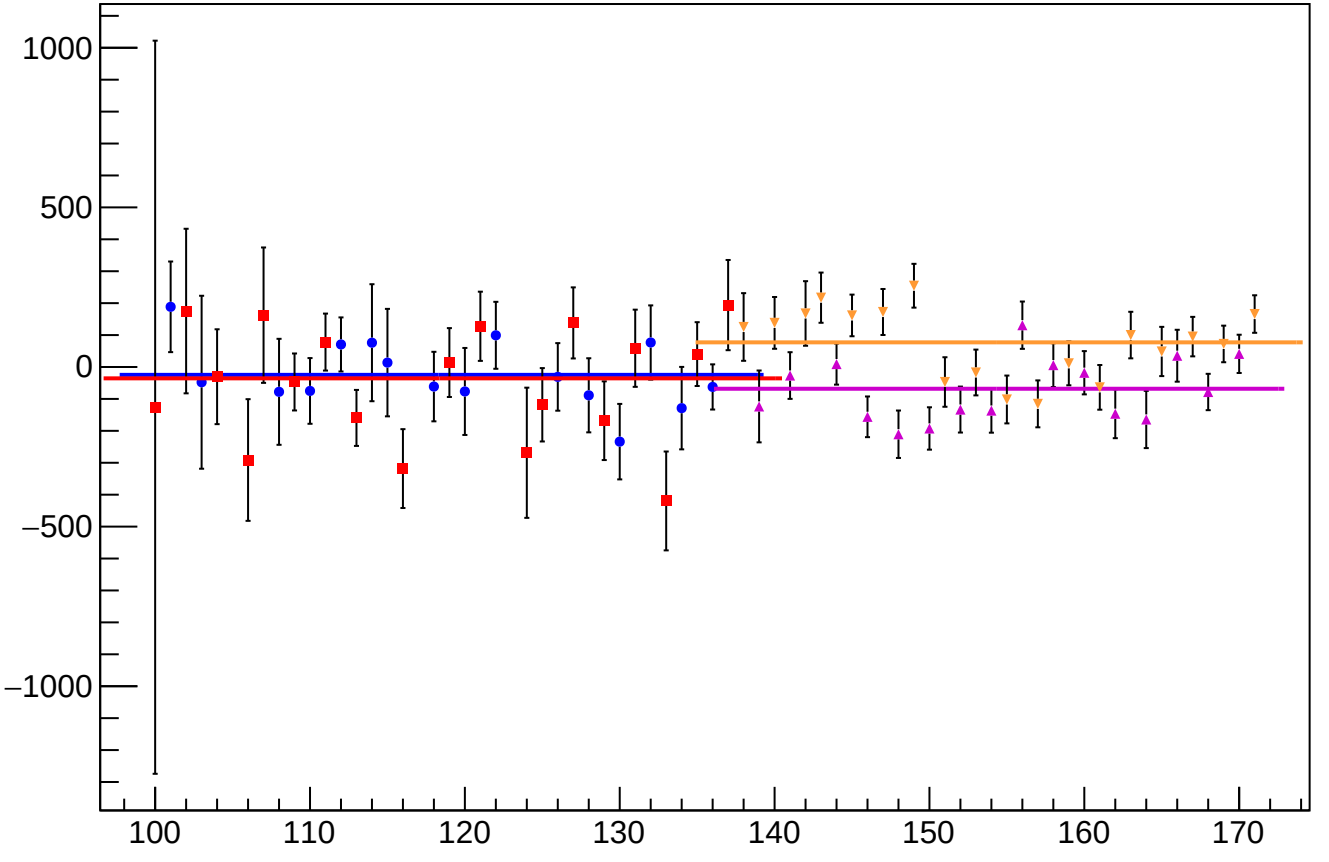
Left In: 0.000+/-0.000 χ^2/NDF:2350569.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 10483054.7/33

All: 0.000+/-0.000 χ^2/NDF: 20149538.5/68

- sign 0.000+/-0.000 χ^2/NDF: 9663110.1/34

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.187+/-16.922 χ^2/NDF:39.3/17

Right Out: -35.582+/-28.454 χ^2/NDF: 30.1/18

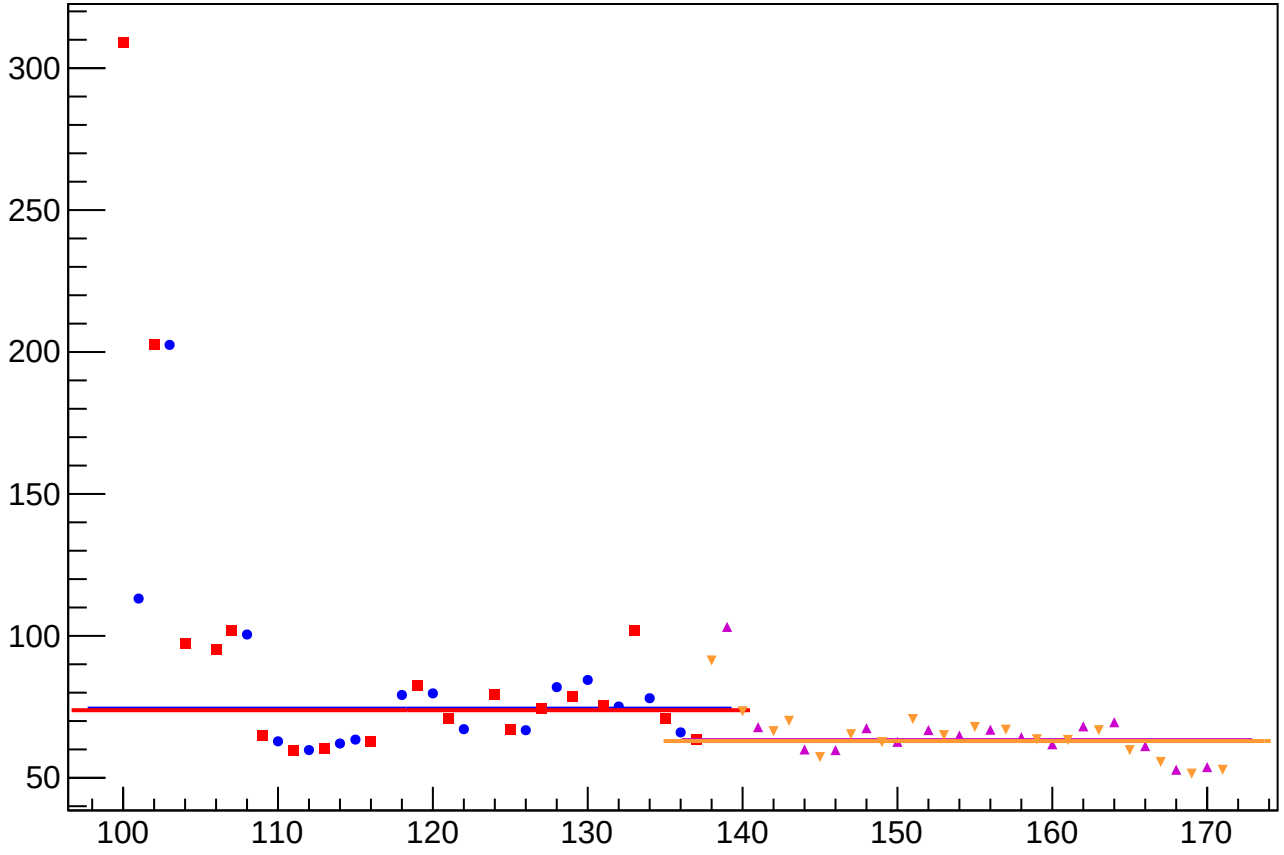
Left In: -68.151+/-17.655 χ^2/NDF:29.0/15

+ sign 51.207+/-14.605 χ^2/NDF: 59.6/33

All: -2.466+/-10.465 χ^2/NDF: 147.3/68

- sign -59.098+/-15.002 χ^2/NDF: 60.0/34

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

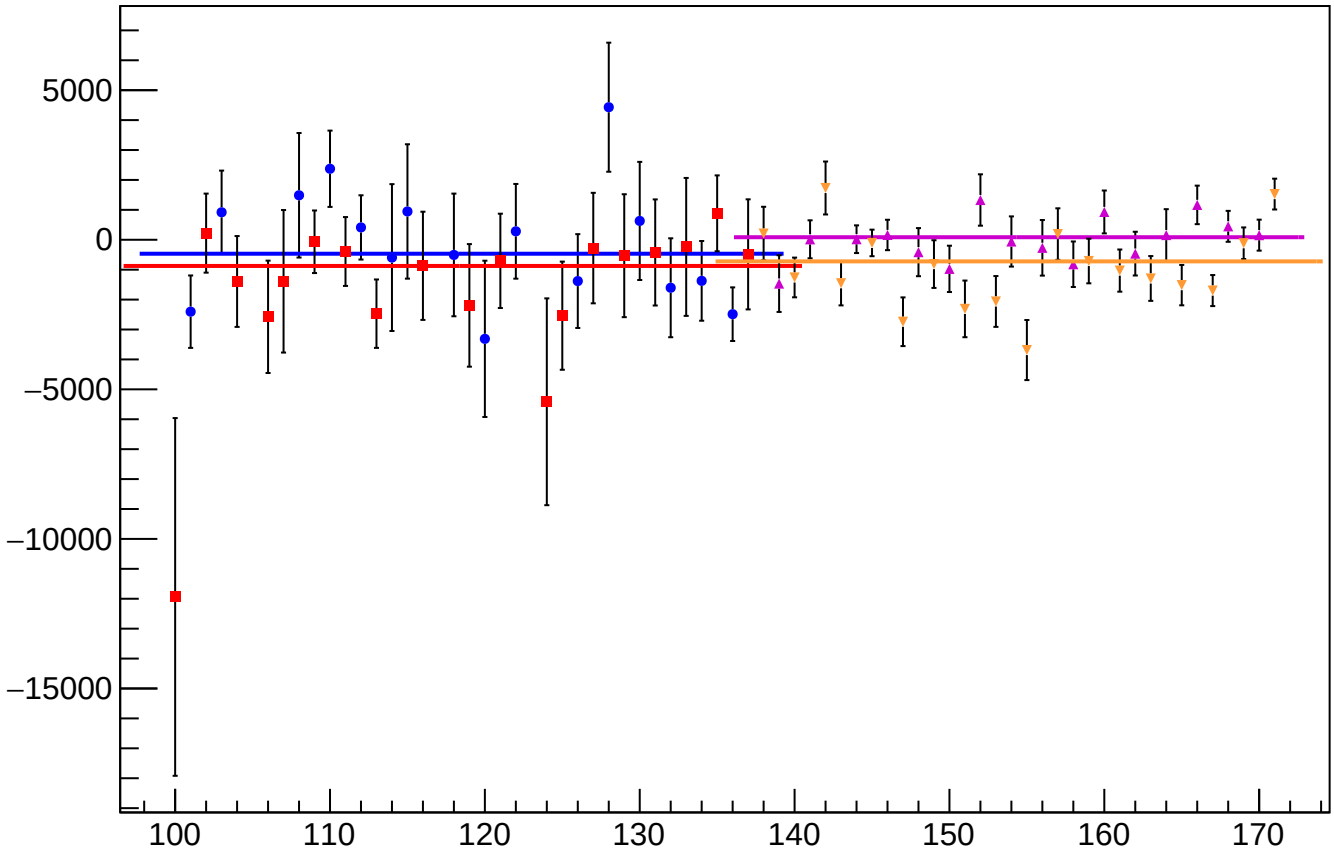
Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

+ sign 65.866+/-0.010 χ^2/NDF: 1486586.0/33

All: 66.033+/-0.007 χ^2/NDF: 3042774.9/68

- sign 66.210+/-0.011 χ^2/NDF: 1555651.1/34



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -722.495+/-161.205 χ^2/NDF:59.7/17

Right Out: -875.351+/-372.239 χ^2/NDF: 13.1/18

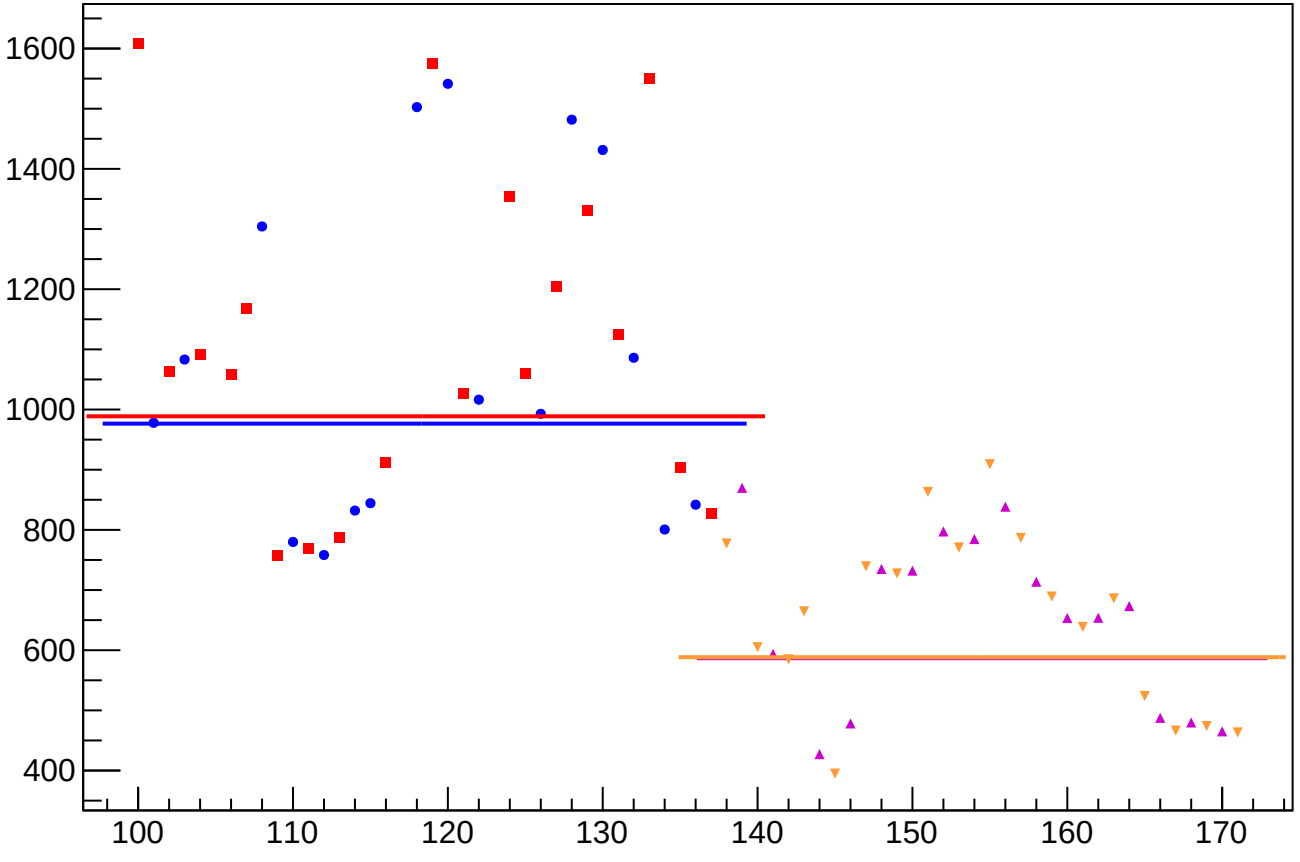
Left In: 85.101+/-166.581 χ^2/NDF:14.0/15

+ sign -682.576+/-148.102 χ^2/NDF: 83.8/33

All: -386.851+/-106.092 χ^2/NDF: 124.5/68

- sign -75.152+/-152.050 χ^2/NDF: 32.6/34

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 588.376+/-0.114 χ^2/NDF:1613157.1/17

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

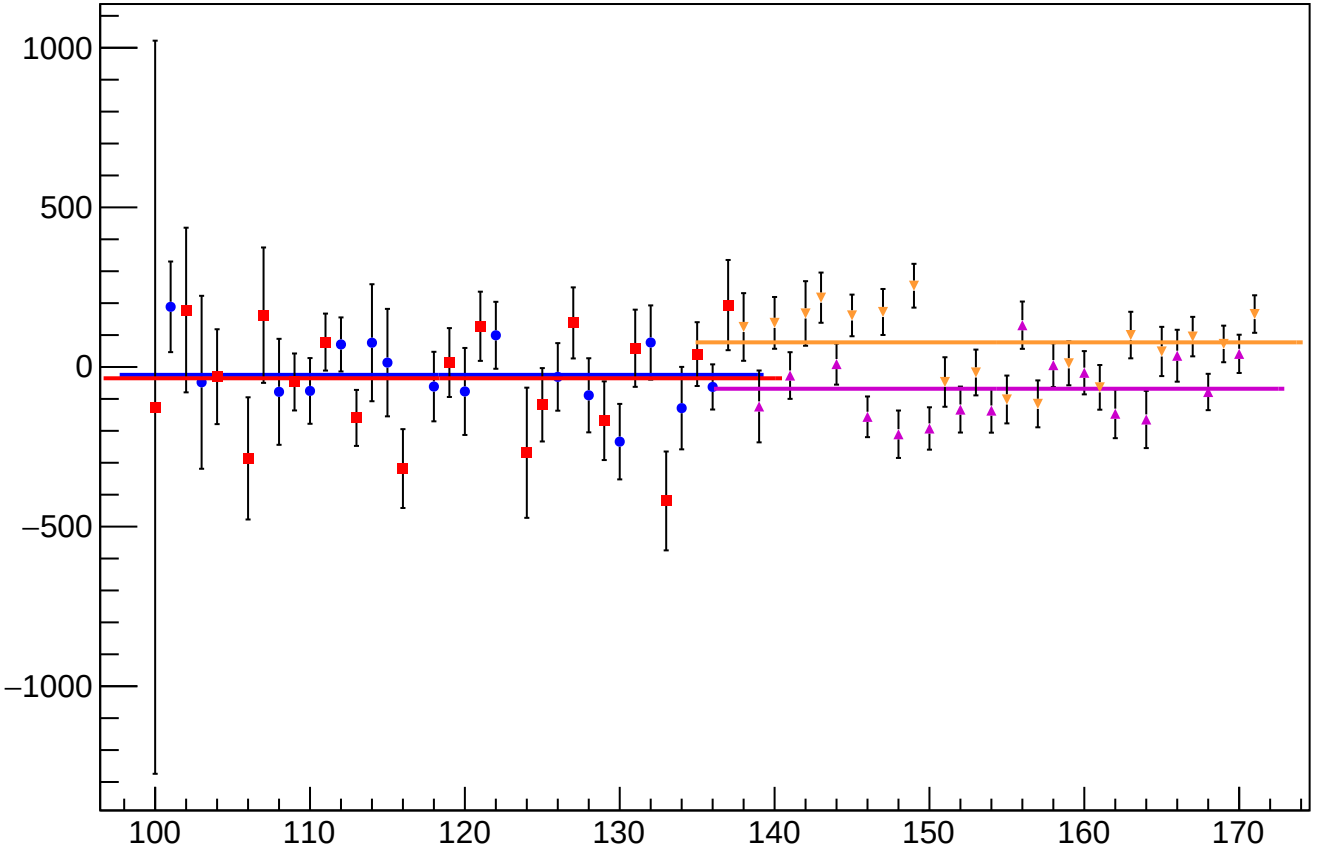
Left In: 586.743+/-0.118 χ^2/NDF:1377112.5/15

+ sign 648.917+/-0.105 χ^2/NDF: 4158565.0/33

All: 651.305+/-0.075 χ^2/NDF: 8196036.7/68

- sign 653.821+/-0.108 χ^2/NDF: 4036404.4/34

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.189+/-16.922 χ^2/NDF:39.3/17

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

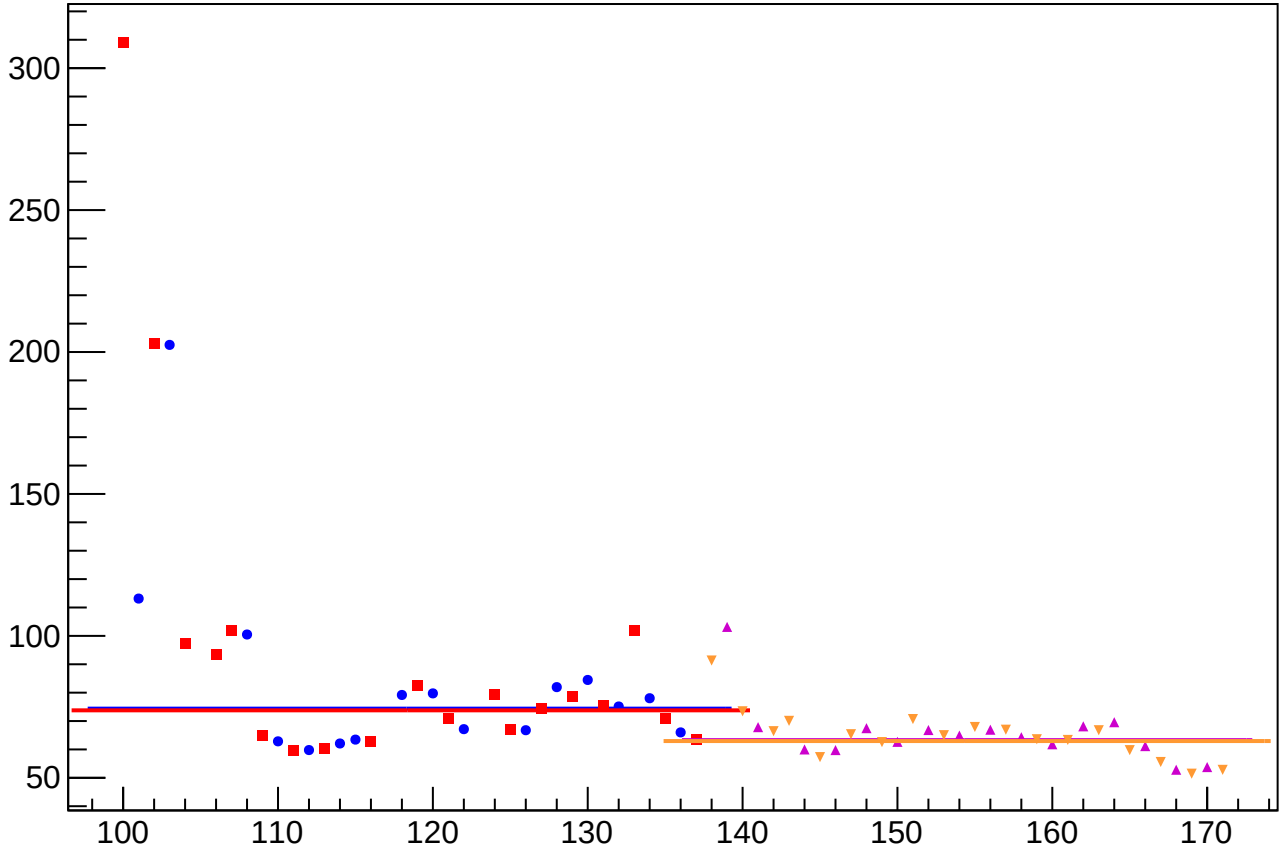
Left In: -68.150+/-17.655 χ^2/NDF:29.0/15

+ sign 51.207+/-14.605 χ^2/NDF: 59.6/33

All: -2.438+/-10.465 χ^2/NDF: 147.3/68

- sign -59.043+/-15.002 χ^2/NDF: 60.0/34

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

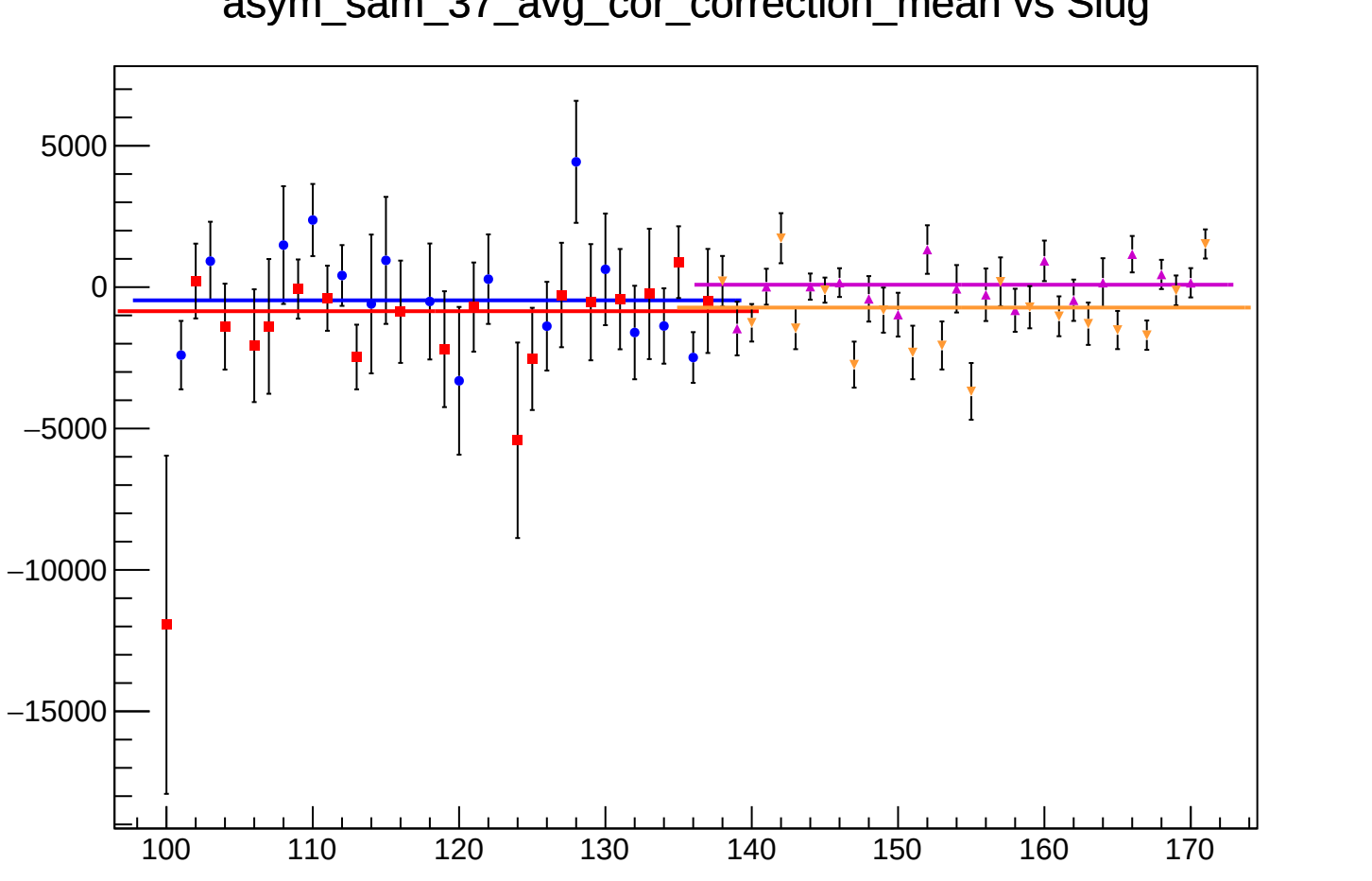
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

+ sign 65.866+/-0.010 χ^2/NDF: 1486587.8/33

All: 66.028+/-0.007 χ^2/NDF: 3037356.1/68

- sign 66.198+/-0.011 χ^2/NDF: 1550267.5/34



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -722.491+/-161.205 χ^2/NDF:59.7/17

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

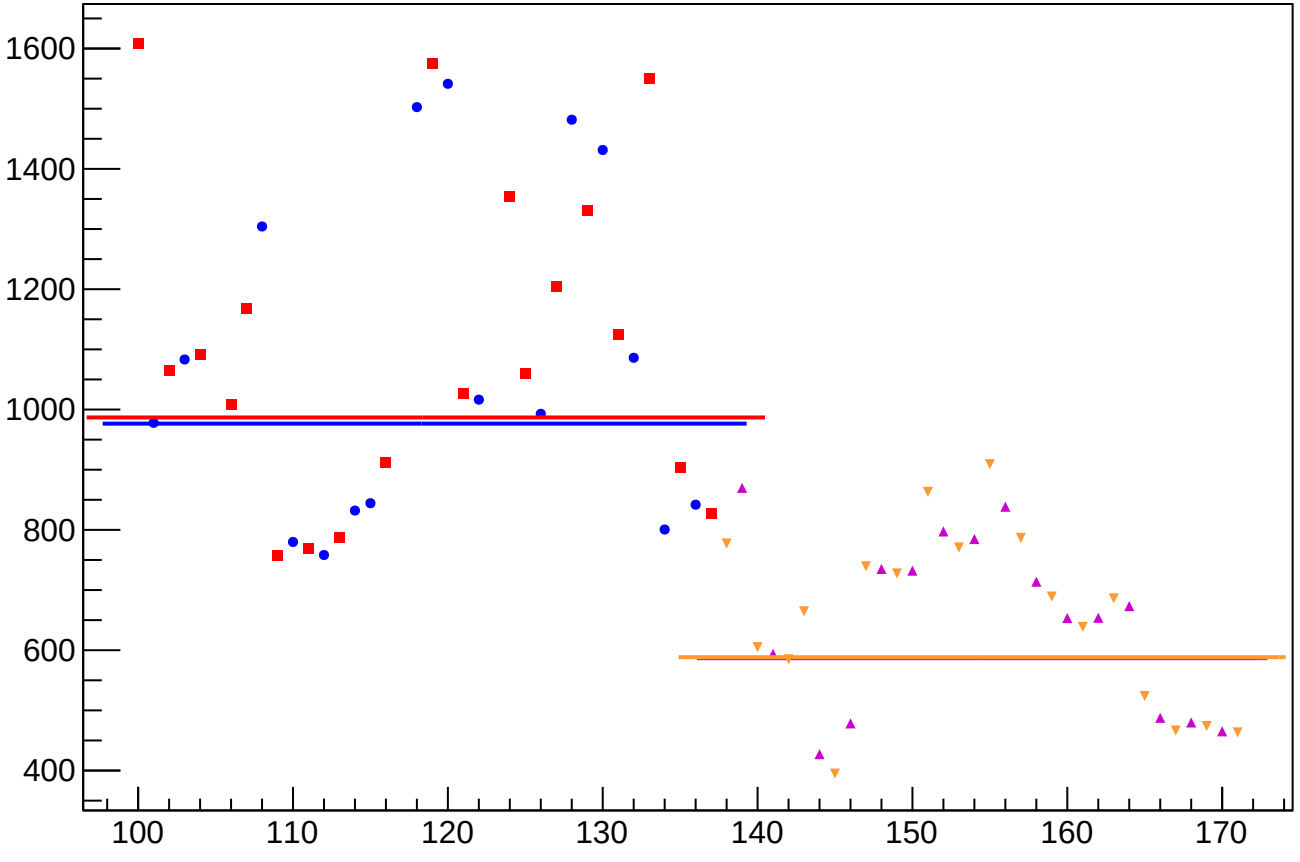
Left In: 85.101+/-166.581 χ^2/NDF:14.0/15

+ sign -682.570+/-148.102 χ^2/NDF: 83.8/33

All: -384.677+/-106.112 χ^2/NDF: 123.9/68

- sign -70.453+/-152.108 χ^2/NDF: 31.8/34

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 588.375+/-0.114 χ^2/NDF:1613159.8/17

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

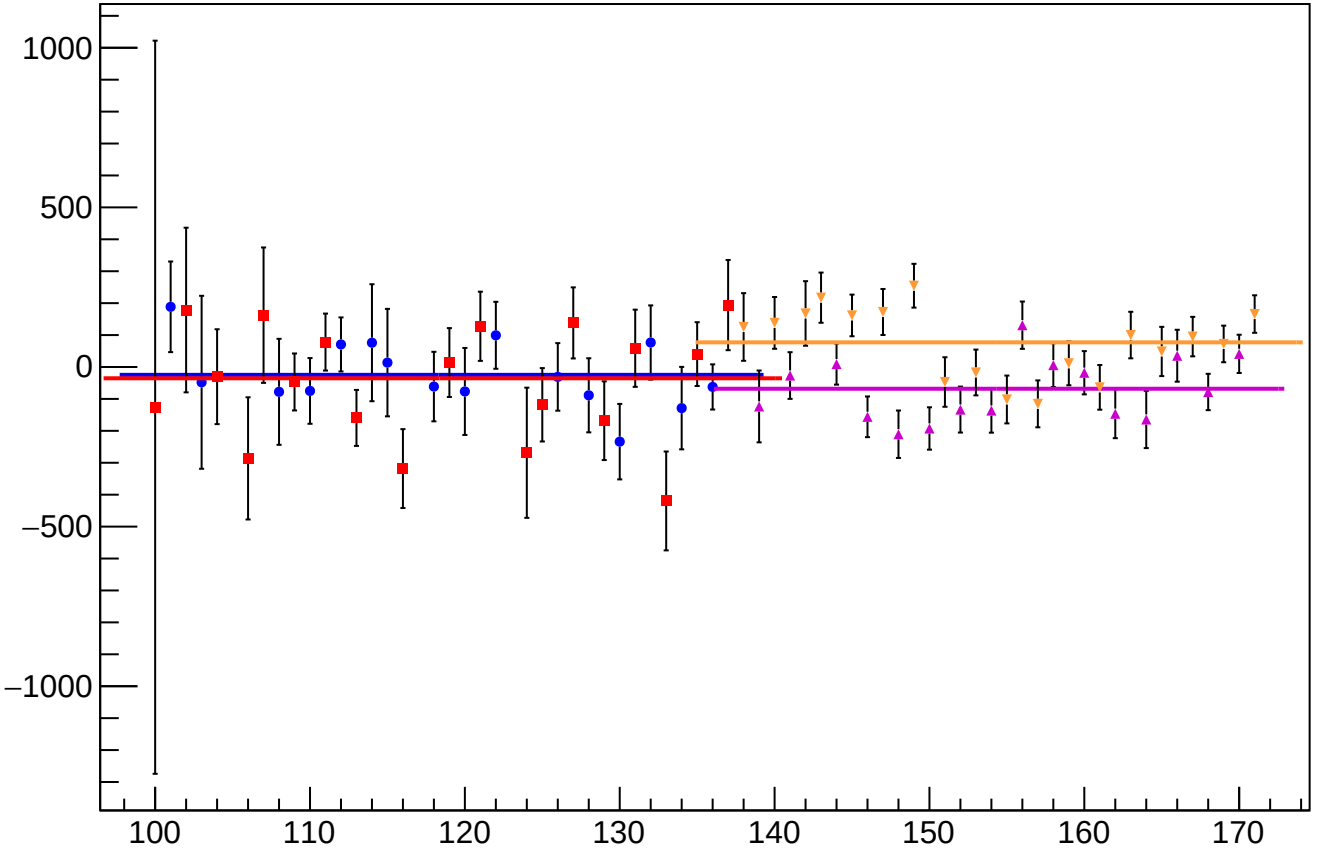
Left In: 586.743+/-0.118 χ^2/NDF:1377112.9/15

+ sign 648.917+/-0.105 χ^2/NDF: 4158628.1/33

All: 651.022+/-0.075 χ^2/NDF: 8167431.5/68

- sign 653.243+/-0.108 χ^2/NDF: 4007973.2/34

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.189+/-16.922 χ^2/NDF:39.3/17

Right Out: -35.383+/-28.457 χ^2/NDF: 30.0/18

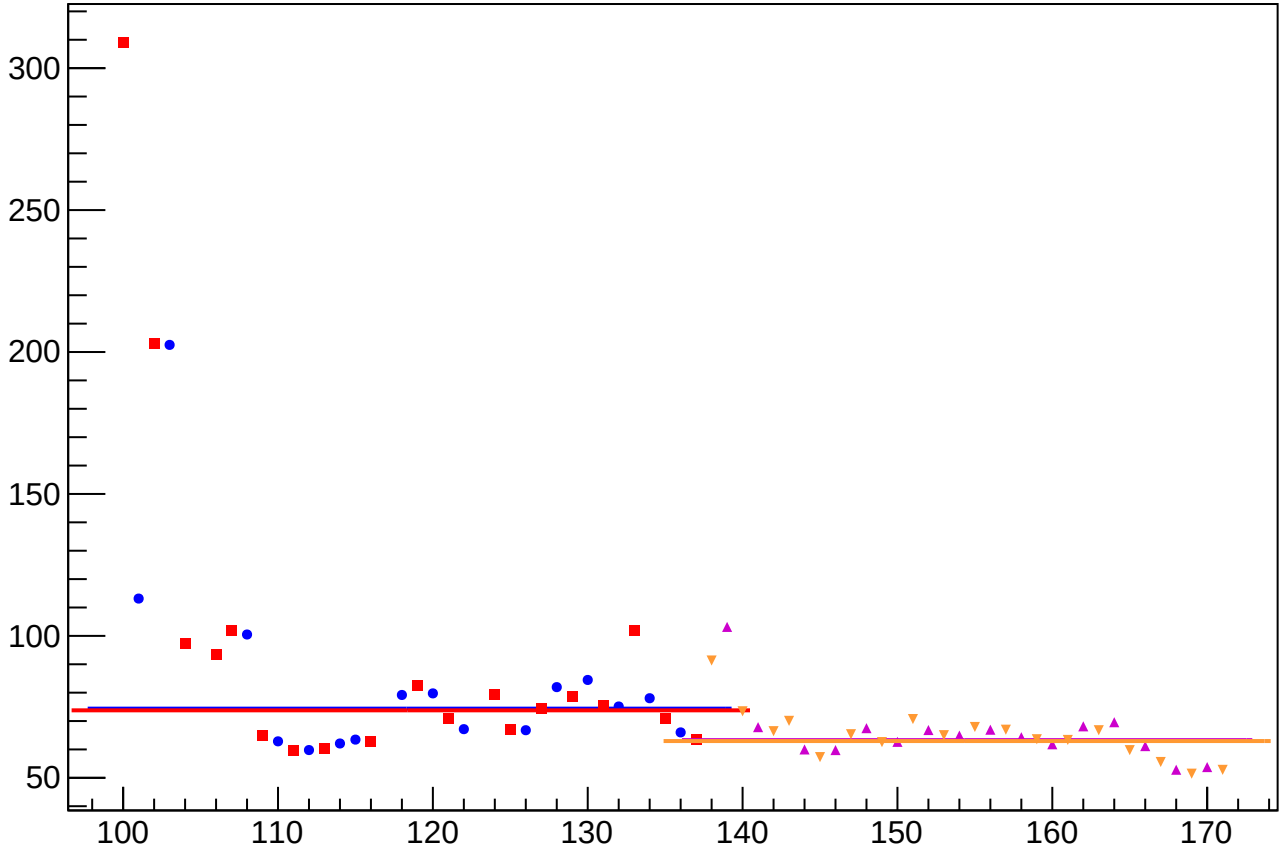
Left In: -68.150+/-17.655 χ^2/NDF:29.0/15

+ sign 51.207+/-14.605 χ^2/NDF: 59.6/33

All: -2.438+/-10.465 χ^2/NDF: 147.3/68

- sign -59.043+/-15.002 χ^2/NDF: 60.0/34

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

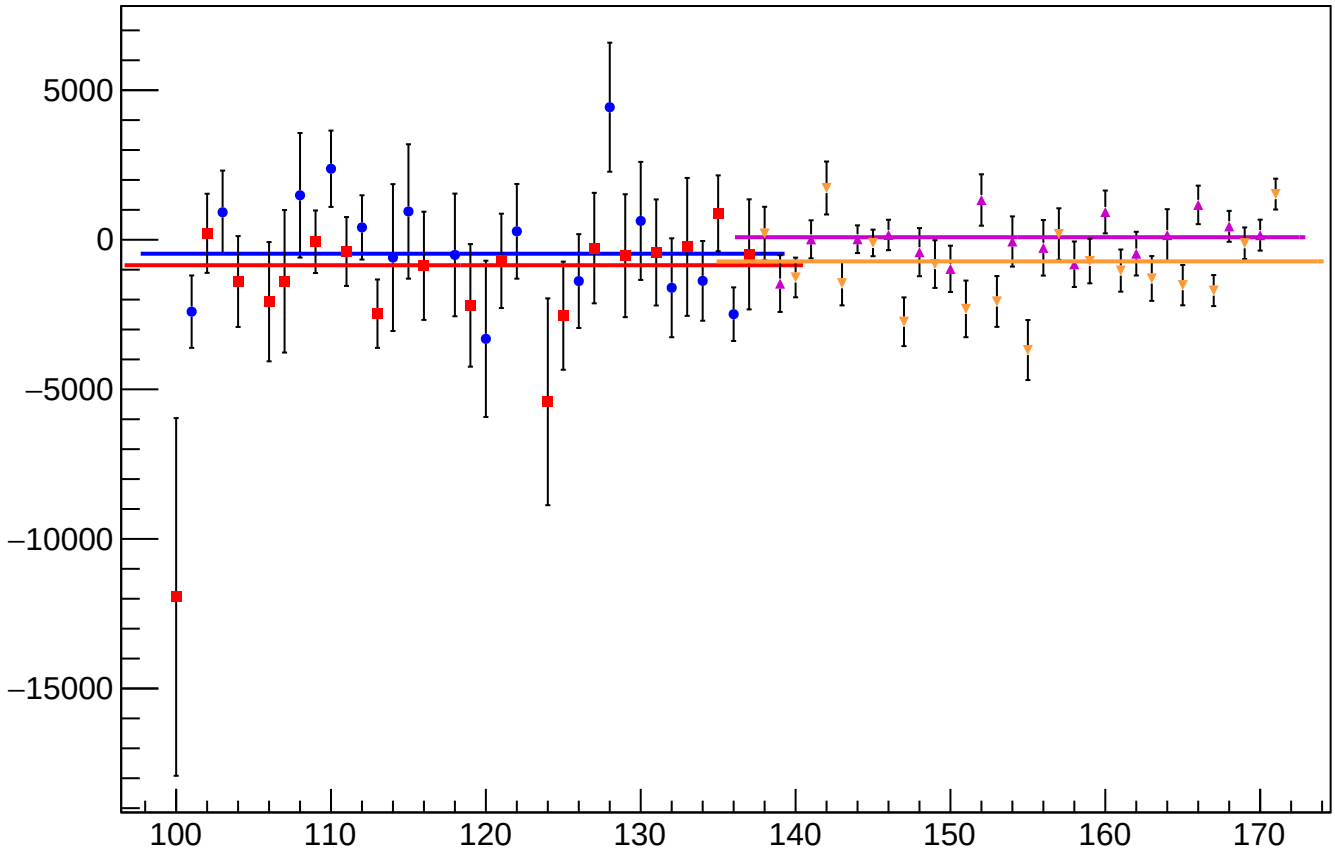
Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 63.282+/-0.012 χ^2/NDF:425822.3/15

+ sign 65.866+/-0.010 χ^2/NDF: 1486587.8/33

All: 66.028+/-0.007 χ^2/NDF: 3037356.1/68

- sign 66.198+/-0.011 χ^2/NDF: 1550267.5/34



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -722.491+/-161.205 χ^2/NDF:59.7/17

Right Out: -850.757+/-373.092 χ^2/NDF: 12.6/18

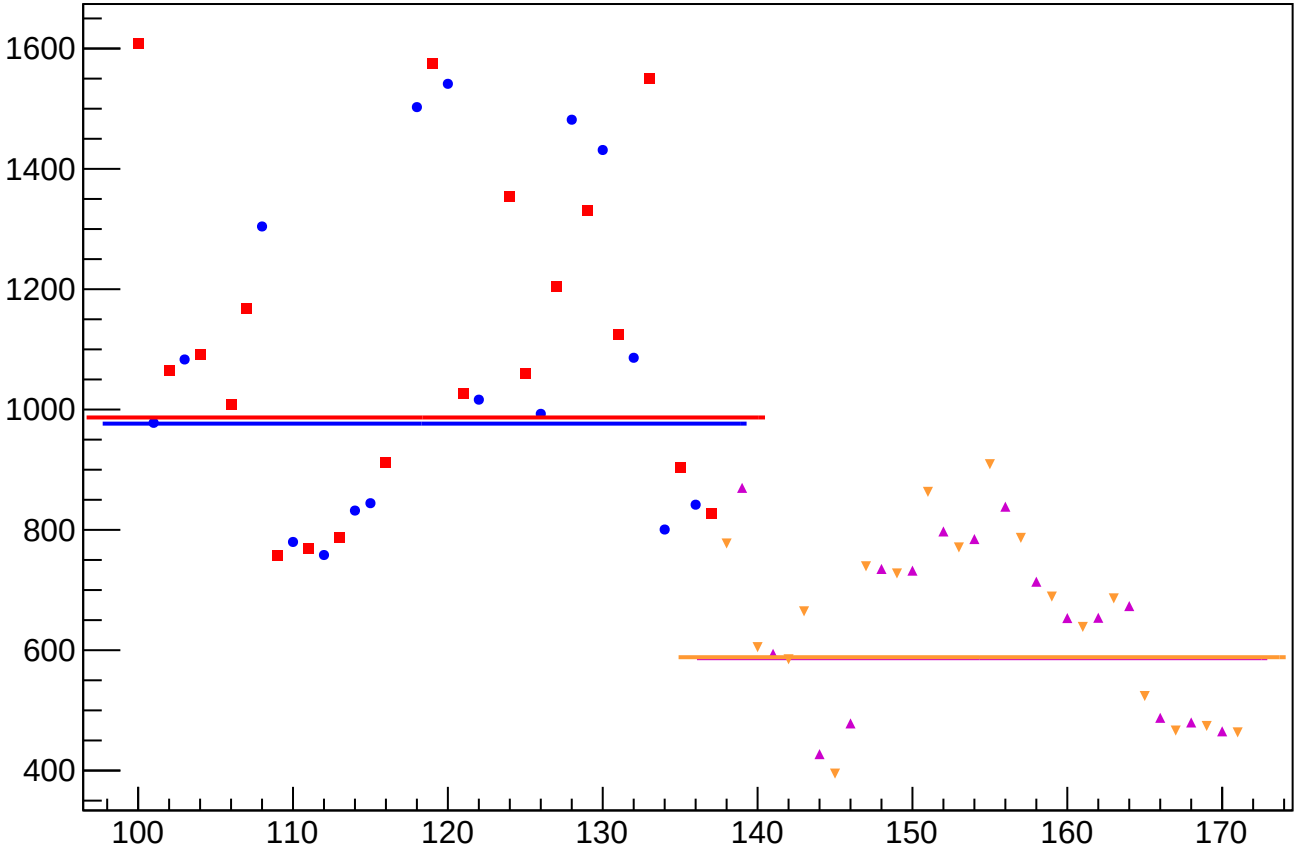
Left In: 85.101+/-166.581 χ^2/NDF:14.0/15

+ sign -682.570+/-148.102 χ^2/NDF: 83.8/33

All: -384.677+/-106.112 χ^2/NDF: 123.9/68

- sign -70.453+/-152.108 χ^2/NDF: 31.8/34

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 588.375+/-0.114 χ^2/NDF:1613159.8/17

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

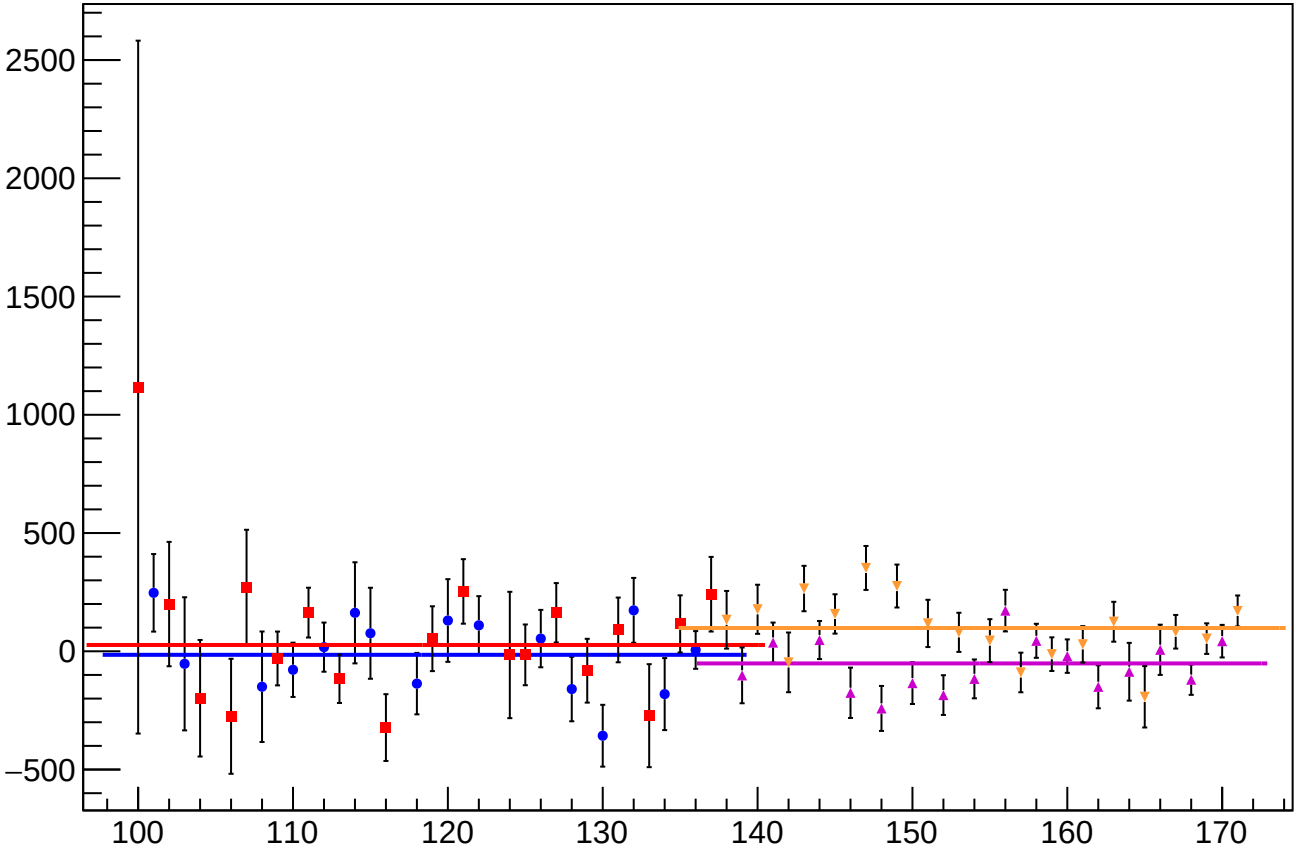
Left In: 586.743+/-0.118 χ^2/NDF:1377112.9/15

+ sign 648.917+/-0.105 χ^2/NDF: 4158628.1/33

All: 651.022+/-0.075 χ^2/NDF: 8167431.5/68

- sign 653.243+/-0.108 χ^2/NDF: 4007973.2/34

dit_asym_sam_37_avg_mean vs Slug



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 98.466+/-20.163 χ^2/NDF:32.4/17

Right Out: 26.654+/-34.073 χ^2/NDF: 23.6/18

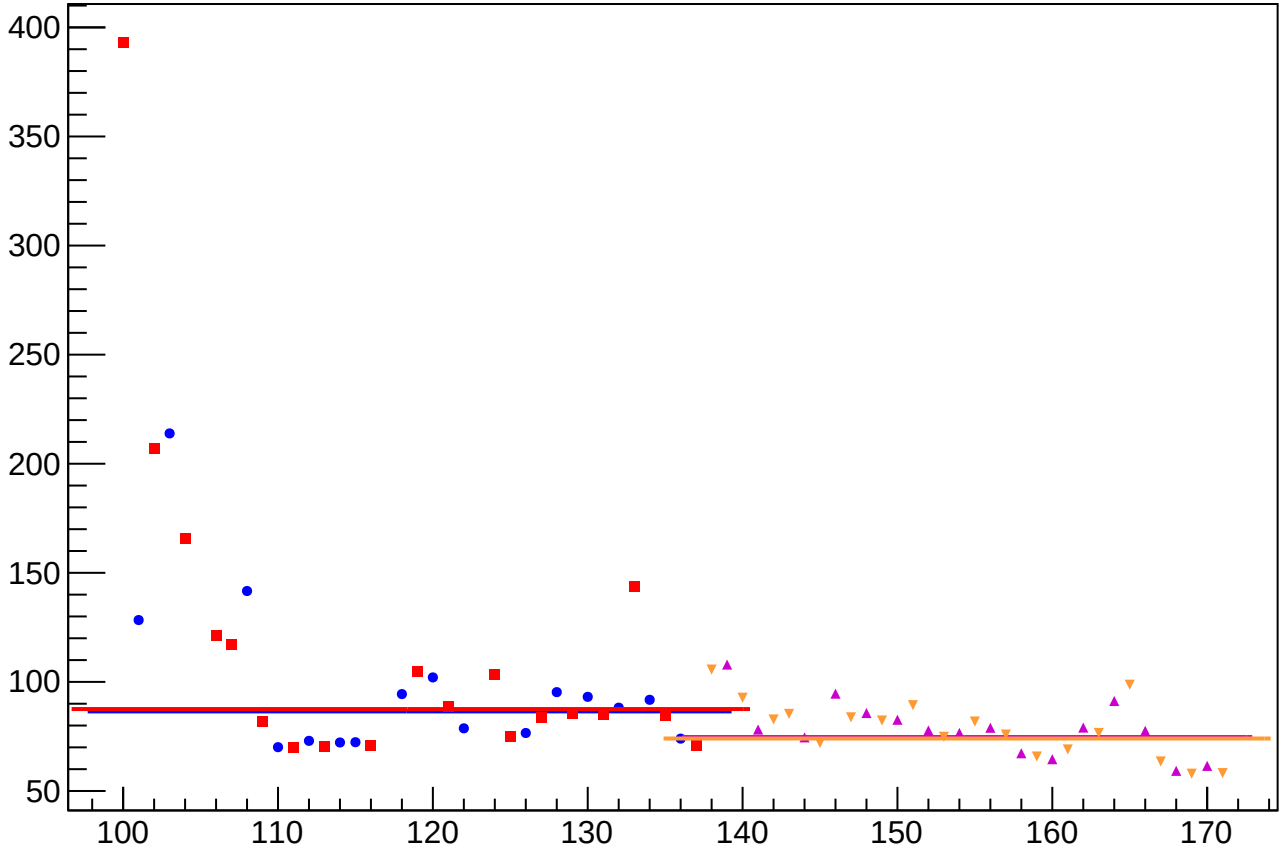
Left In: -51.301+/-21.149 χ^2/NDF:25.2/15

+ sign 68.647+/-17.311 χ^2/NDF: 59.0/33

All: 21.345+/-12.467 χ^2/NDF: 127.0/68

- sign -29.621+/-17.969 χ^2/NDF: 52.6/34

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.058+/-0.014 χ^2/NDF:733496.3/17

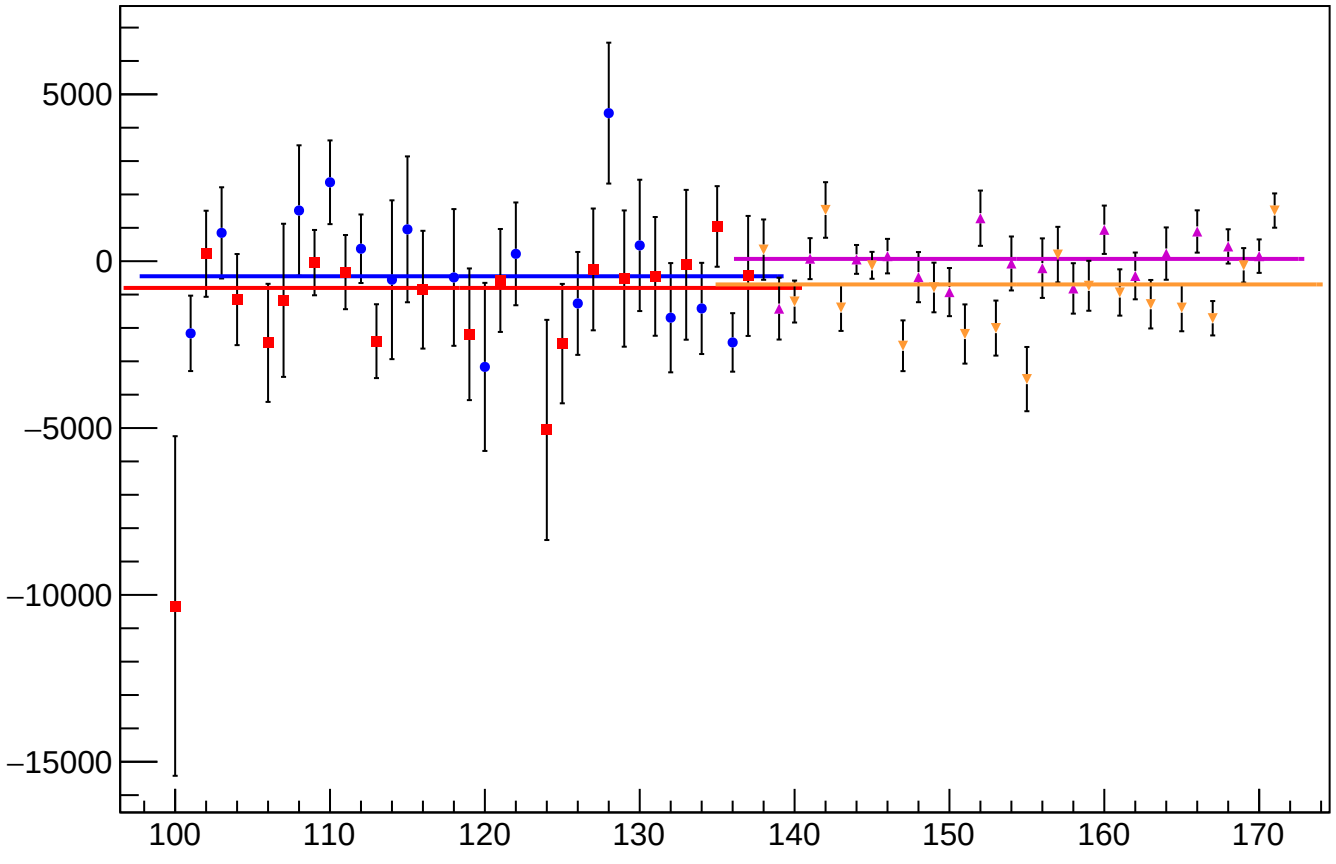
Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 74.715+/-0.015 χ^2/NDF:578672.6/15

+ sign 77.326+/-0.012 χ^2/NDF: 1789611.5/33

All: 77.788+/-0.009 χ^2/NDF: 3706055.9/68

- sign 78.286+/-0.013 χ^2/NDF: 1913488.4/34



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -696.308+/-155.676 χ^2/NDF:58.6/17

Right Out: -801.206+/-357.866 χ^2/NDF: 13.6/18

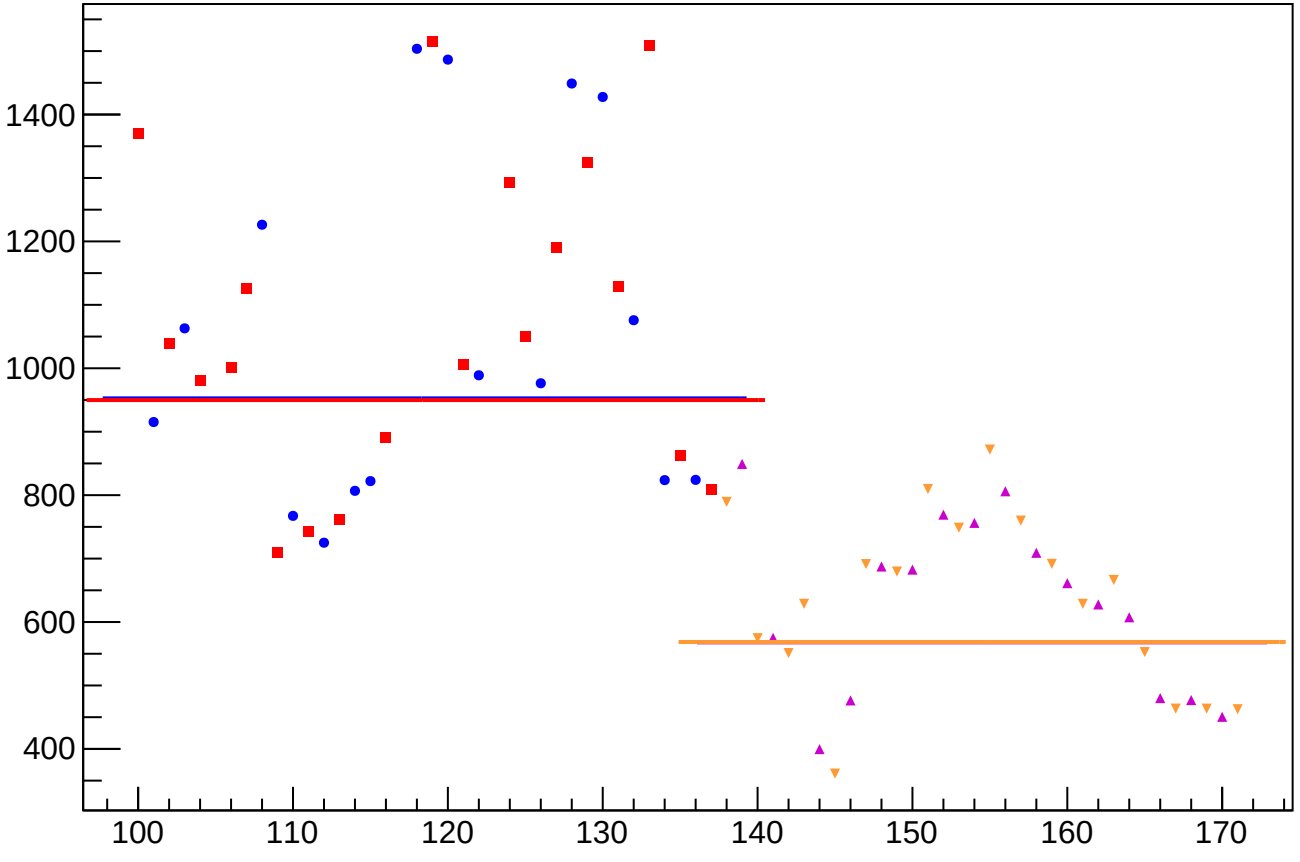
Left In: 68.352+/-161.341 χ^2/NDF:13.0/15

+ sign -658.716+/-143.232 χ^2/NDF: 82.7/33

All: -376.322+/-102.615 χ^2/NDF: 122.2/68

- sign -78.537+/-147.084 χ^2/NDF: 31.5/34

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 568.578+/-0.110 χ^2/NDF:1666587.5/17

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

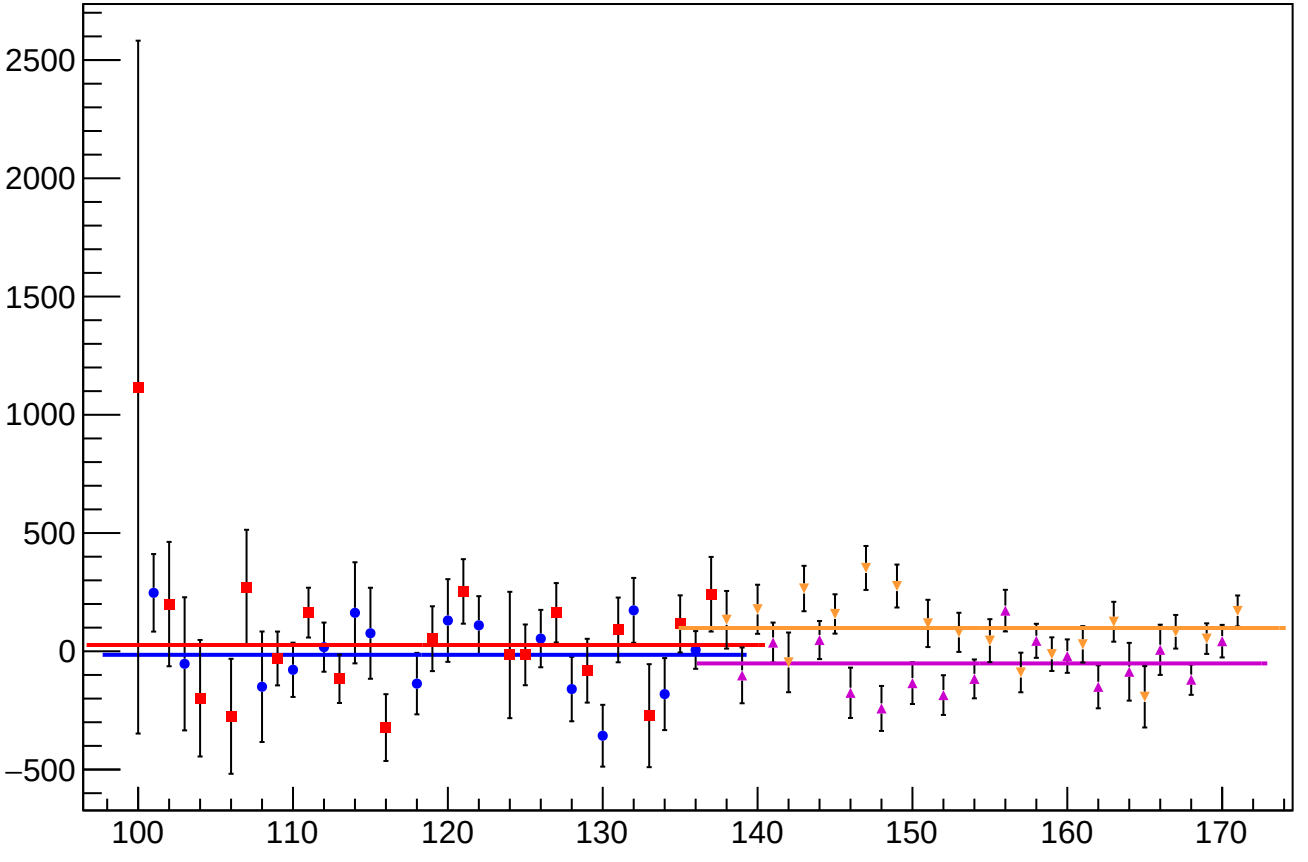
Left In: 567.954+/-0.114 χ^2/NDF:1353607.8/15

+ sign 627.511+/-0.101 χ^2/NDF: 4280356.6/33

All: 629.926+/-0.073 χ^2/NDF: 8280087.1/68

- sign 632.472+/-0.104 χ^2/NDF: 3998562.5/34

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 98.467+/-20.163 χ^2/NDF:32.4/17

Right Out: 26.658+/-34.073 χ^2/NDF: 23.6/18

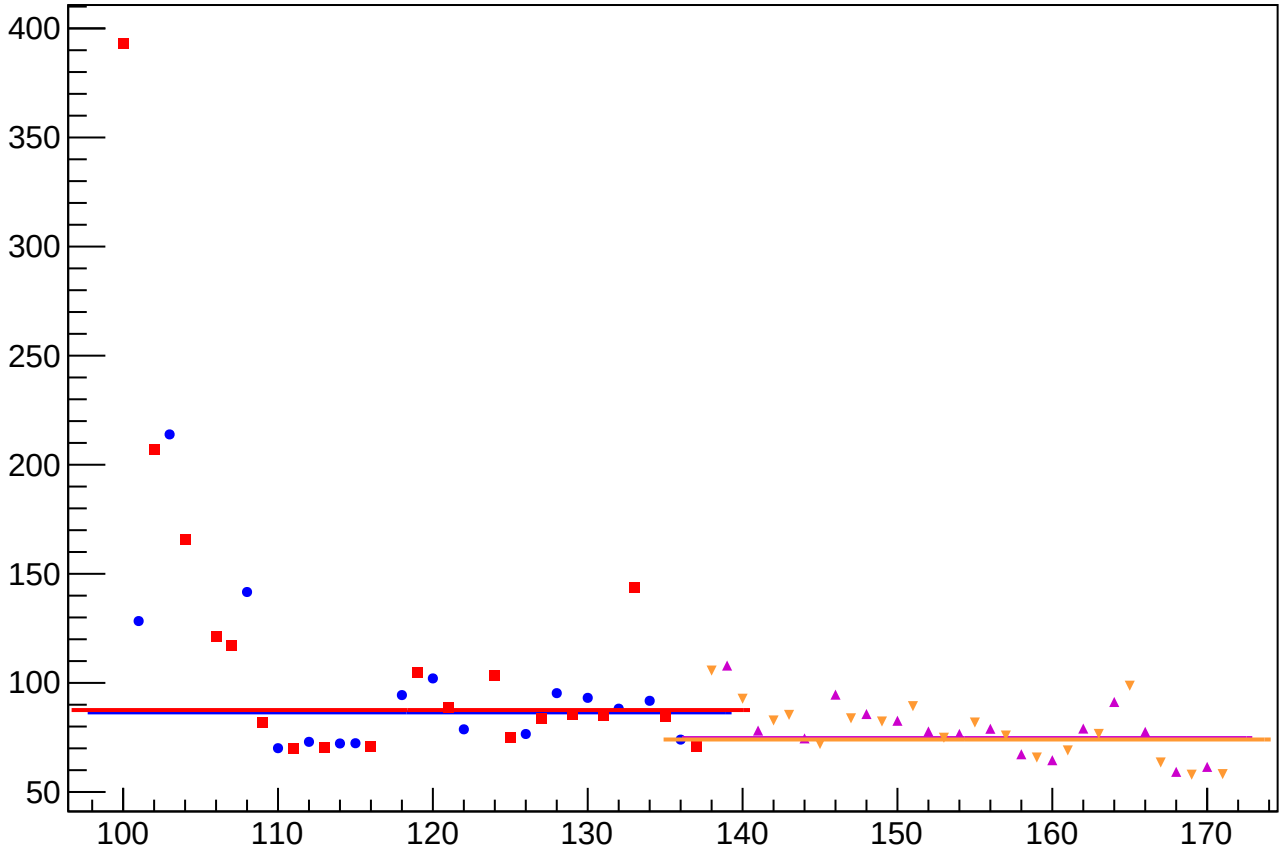
Left In: -51.300+/-21.149 χ^2/NDF:25.2/15

+ sign 68.647+/-17.311 χ^2/NDF: 59.0/33

All: 21.346+/-12.467 χ^2/NDF: 127.0/68

- sign -29.619+/-17.969 χ^2/NDF: 52.6/34

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.058+/-0.014 χ^2/NDF:733505.7/17

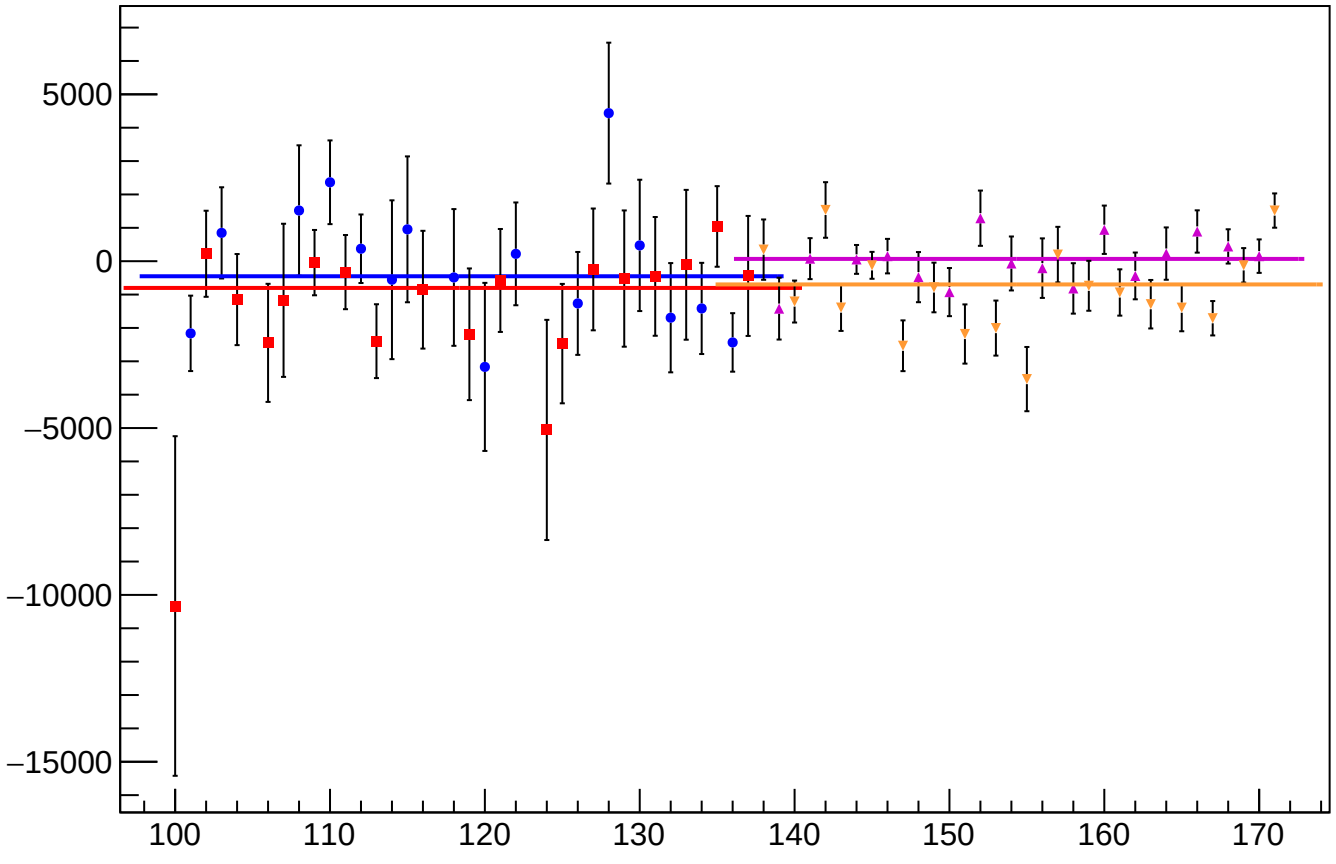
Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 74.715+/-0.015 χ^2/NDF:578677.9/15

+ sign 77.327+/-0.012 χ^2/NDF: 1789615.0/33

All: 77.788+/-0.009 χ^2/NDF: 3706067.7/68

- sign 78.286+/-0.013 χ^2/NDF: 1913496.5/34



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -696.309+/-155.676 χ^2/NDF:58.6/17

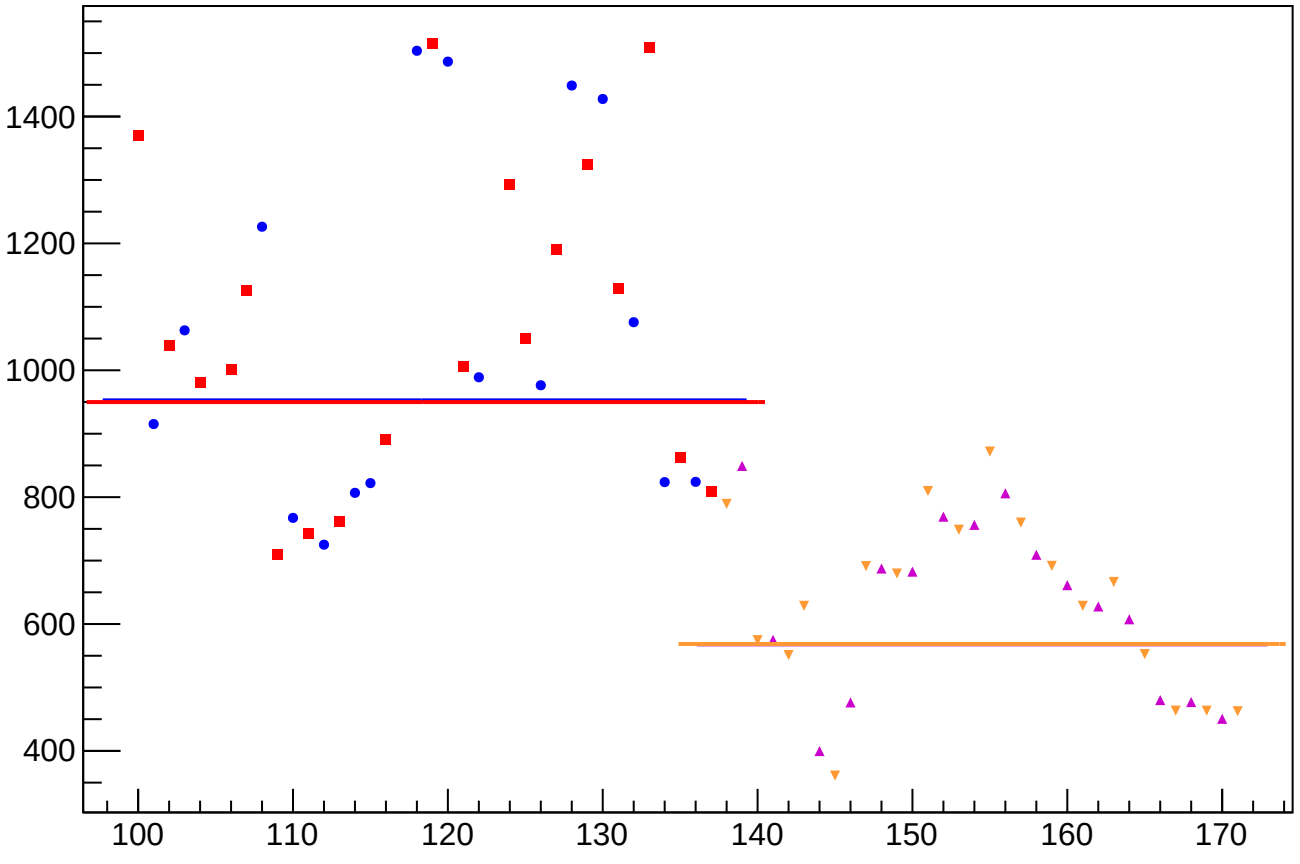
Right Out: -801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 68.353+/-161.341 χ^2/NDF:13.0/15

+ sign -658.716+/-143.232 χ^2/NDF: 82.7/33

All: -376.322+/-102.615 χ^2/NDF: 122.2/68

- sign -78.537+/-147.084 χ^2/NDF: 31.5/34



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 568.577+/-0.110 χ^2/NDF:1666585.0/17

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

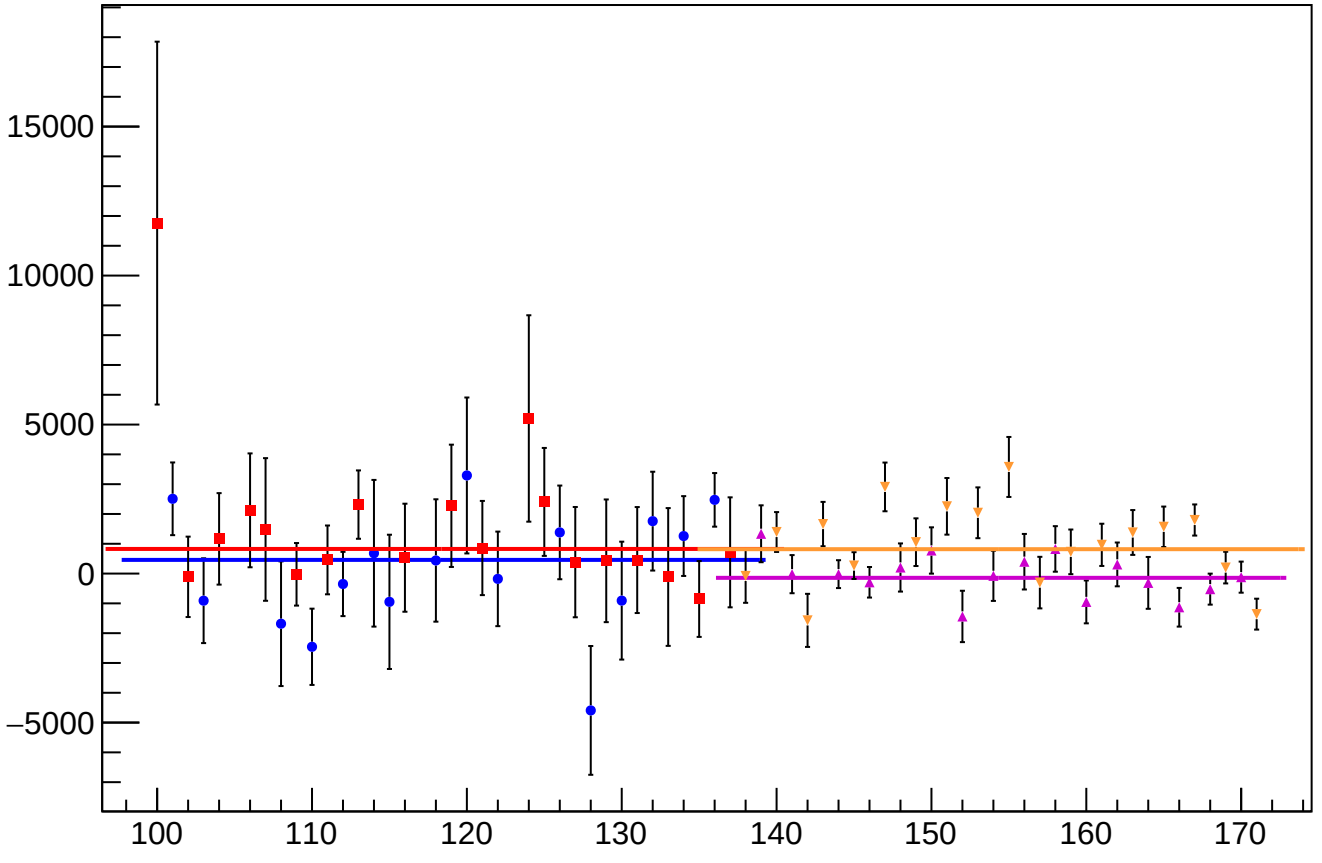
Left In: 567.954+/-0.114 χ^2/NDF:1353604.5/15

+ sign 627.510+/-0.101 χ^2/NDF: 4280350.2/33

All: 629.925+/-0.073 χ^2/NDF: 8280069.3/68

- sign 632.472+/-0.104 χ^2/NDF: 3998550.9/34

asym_sam_37_avg_mean vs Slug



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 818.511+/-162.230 χ^2/NDF:56.2/17

Right Out: 826.531+/-374.244 χ^2/NDF: 11.7/18

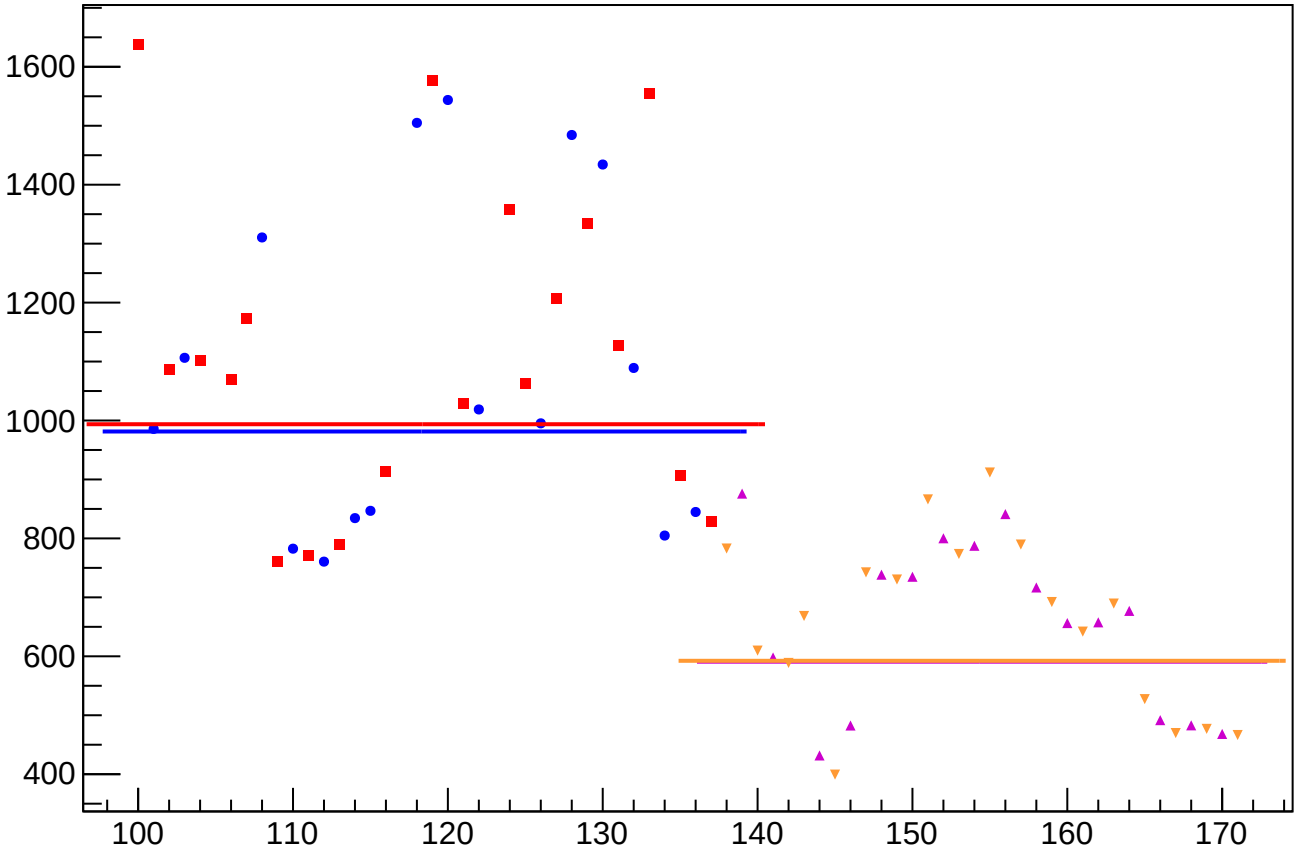
Left In: -142.955+/-167.668 χ^2/NDF:12.9/15

+ sign 762.329+/-149.011 χ^2/NDF: 81.6/33

All: 400.569+/-106.754 χ^2/NDF: 123.8/68

- sign 19.111+/-153.014 χ^2/NDF: 30.2/34

asym_sam_37_avg_rms vs Slug



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 592.373+/-0.115 χ^2/NDF:1589239.2/17

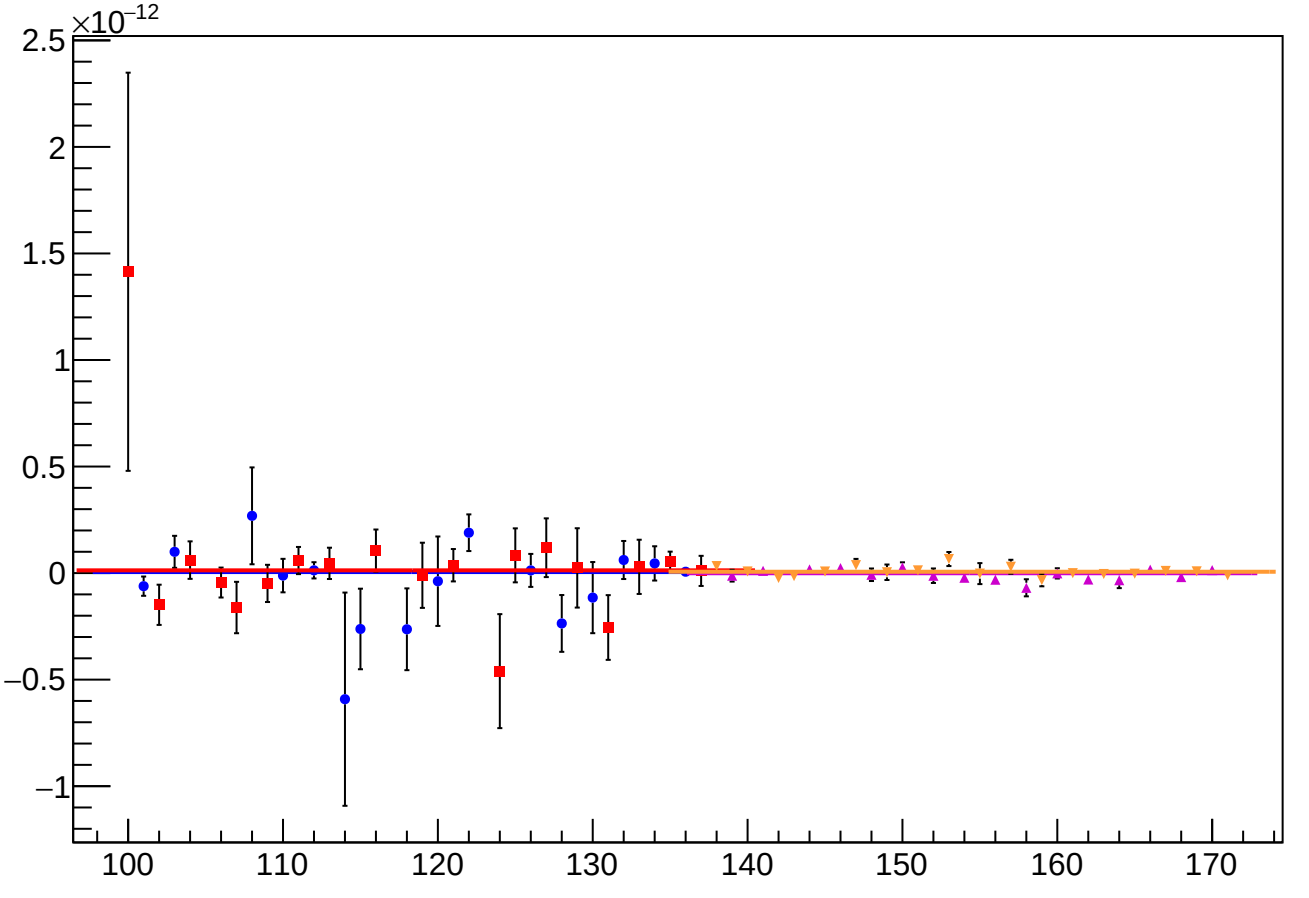
Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 590.834+/-0.119 χ^2/NDF:1356314.9/15

+ sign 653.182+/-0.105 χ^2/NDF: 4124313.9/33

All: 655.614+/-0.075 χ^2/NDF: 8131562.1/68

- sign 658.177+/-0.108 χ^2/NDF: 4006154.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/17

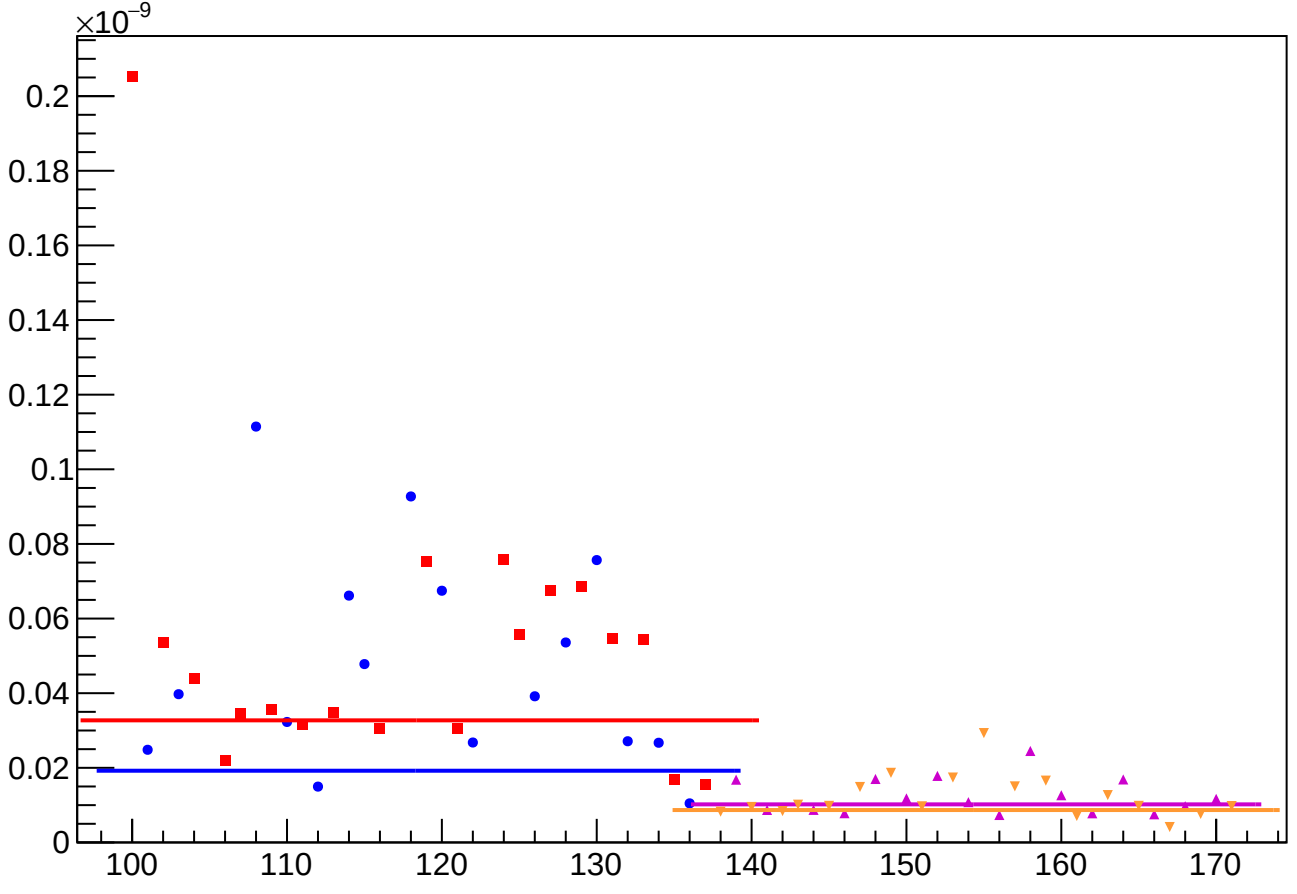
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/33

All: 0.000+/-0.000 χ^2/NDF: 71.0/68

- sign 0.000+/-0.000 χ^2/NDF: 36.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1623821.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

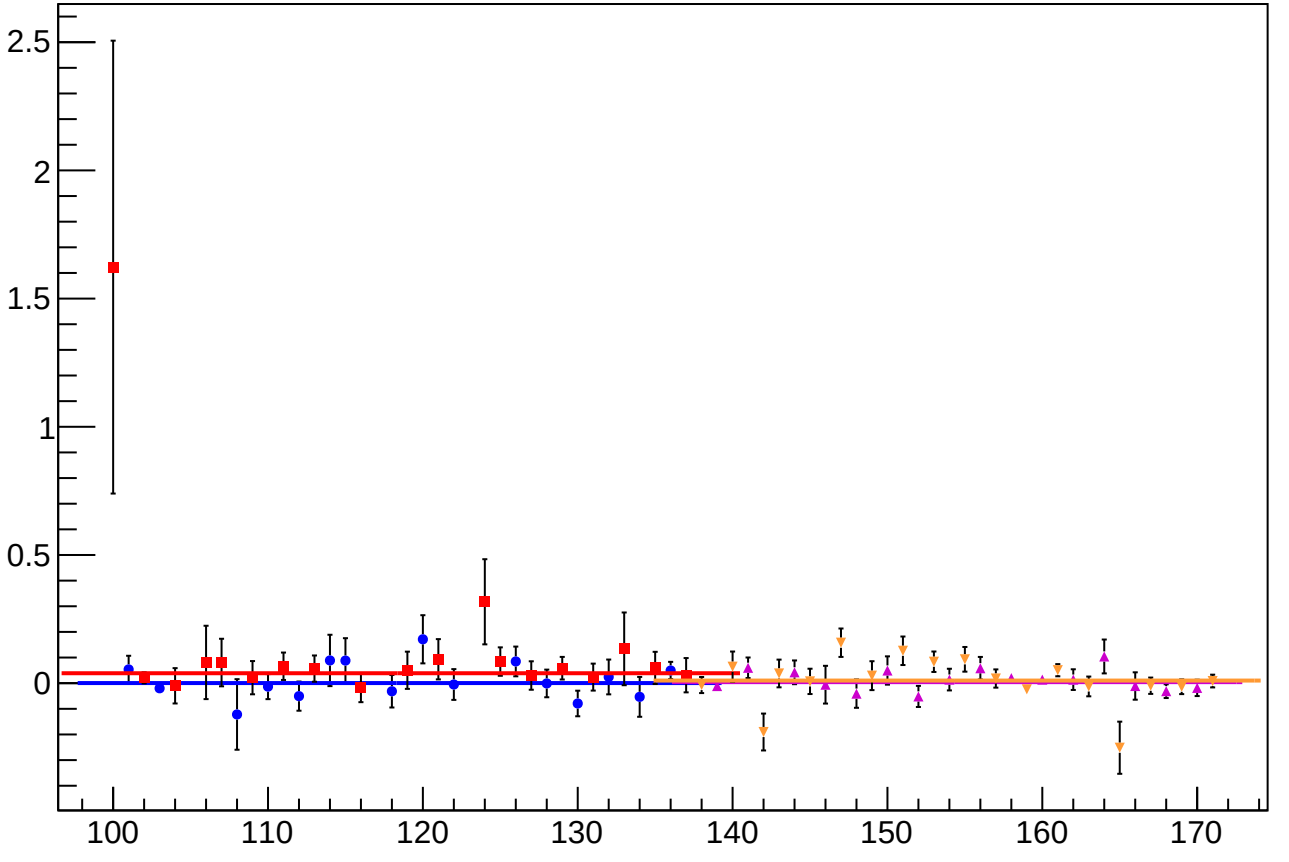
Left In: 0.000+/-0.000 χ^2/NDF:892705.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 4575143.2/33

All: 0.000+/-0.000 χ^2/NDF: 9041510.9/68

- sign 0.000+/-0.000 χ^2/NDF: 4291260.6/34

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: 0.010+/-0.008 χ^2/NDF:42.5/17

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

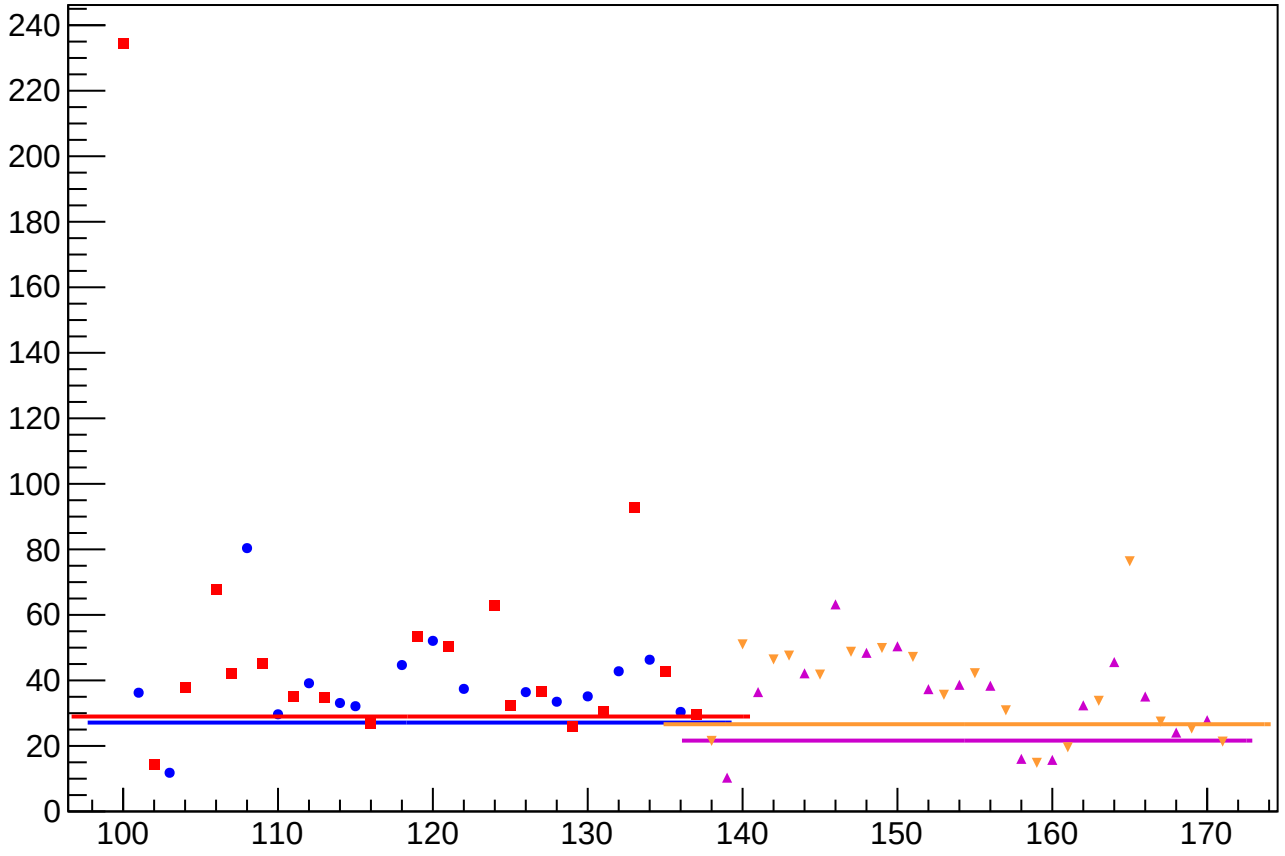
Left In: 0.004+/-0.007 χ^2/NDF:14.4/15

+ sign 0.007+/-0.007 χ^2/NDF: 59.4/33

All: 0.010+/-0.005 χ^2/NDF: 90.9/68

- sign 0.013+/-0.006 χ^2/NDF: 31.2/34

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: 26.628+/-0.006 χ^2/NDF:4150282.5/17

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

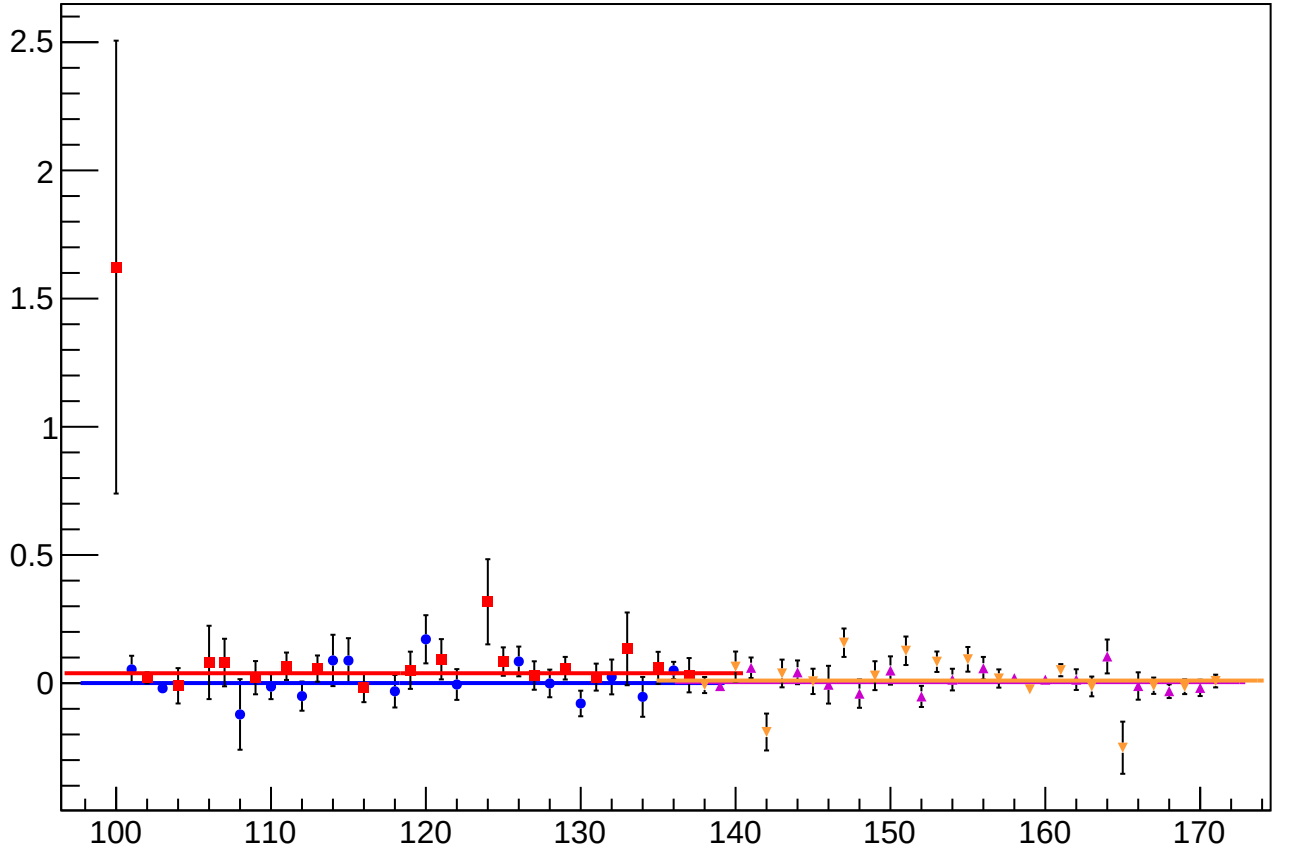
Left In: 21.627+/-0.005 χ^2/NDF:5681111.1/15

+ sign 26.785+/-0.005 χ^2/NDF: 6567967.3/33

All: 25.005+/-0.003 χ^2/NDF: 15475719.3/68

- sign 23.451+/-0.004 χ^2/NDF: 8646320.4/34

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: 0.010+/-0.008 χ^2/NDF:42.5/17

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

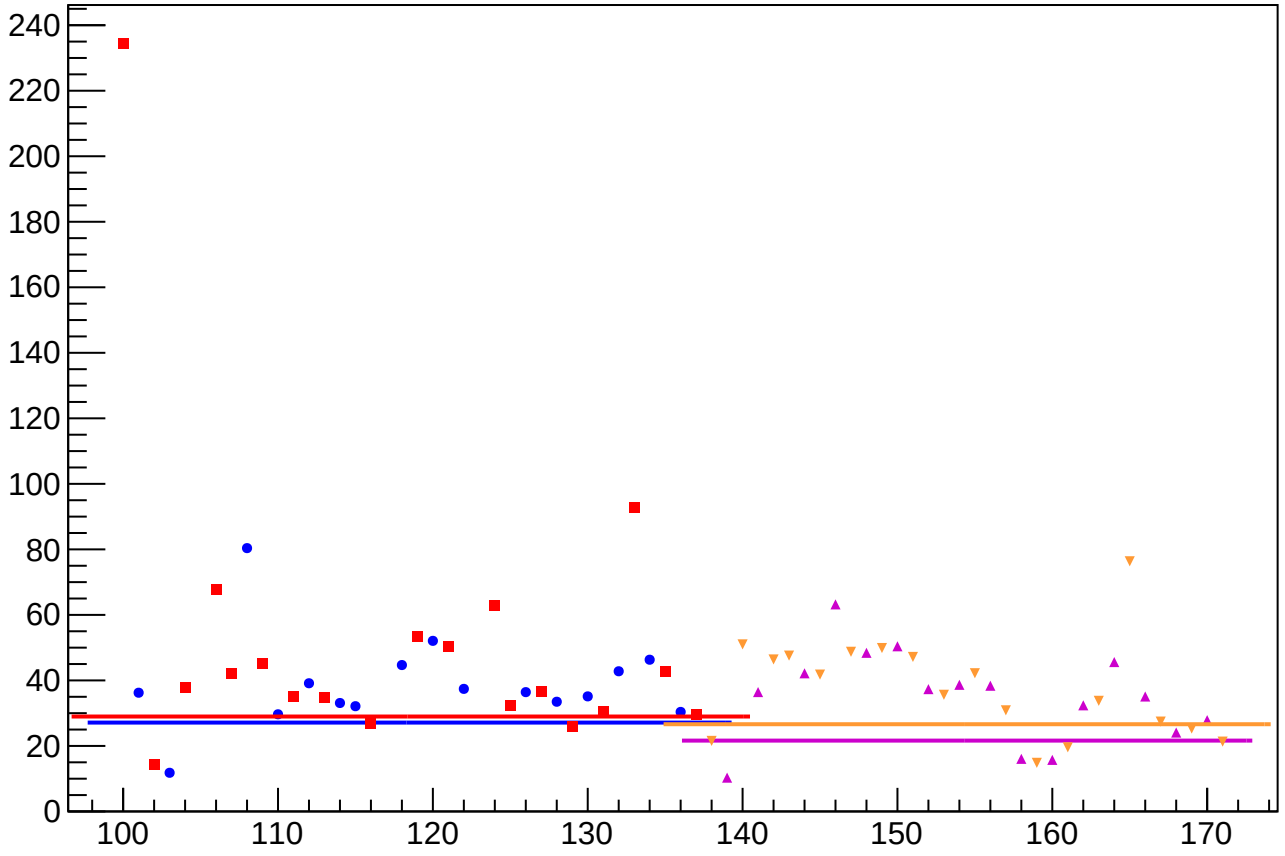
Left In: 0.004+/-0.007 χ^2/NDF:14.4/15

+ sign 0.007+/-0.007 χ^2/NDF: 59.4/33

All: 0.010+/-0.005 χ^2/NDF: 90.9/68

- sign 0.013+/-0.006 χ^2/NDF: 31.2/34

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: 26.628+/-0.006 χ^2/NDF:4150282.5/17

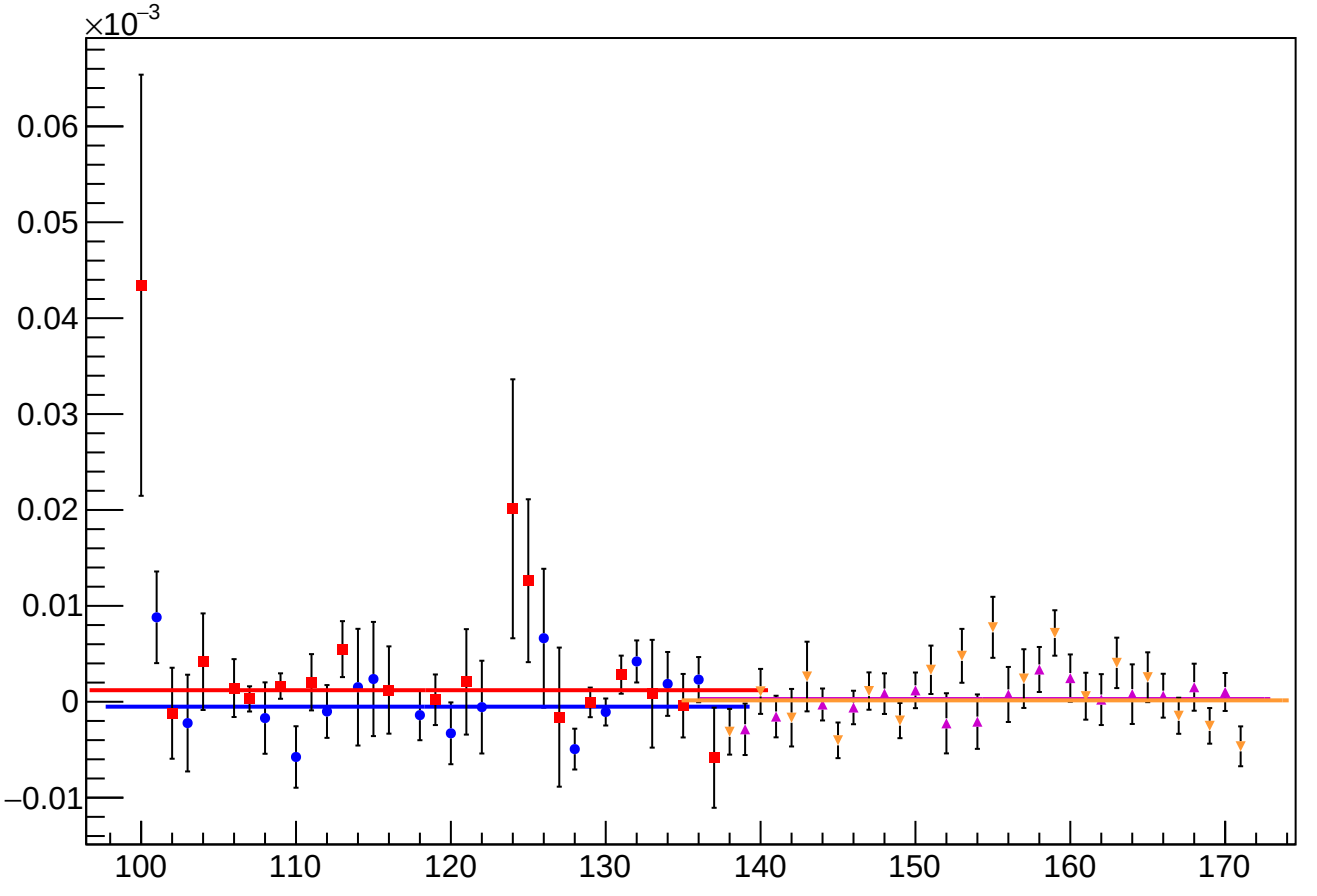
Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.627+/-0.005 χ^2/NDF:5681111.1/15

+ sign 26.785+/-0.005 χ^2/NDF: 6567967.3/33

All: 25.005+/-0.003 χ^2/NDF: 15475719.3/68

- sign 23.451+/-0.004 χ^2/NDF: 8646320.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.1/17

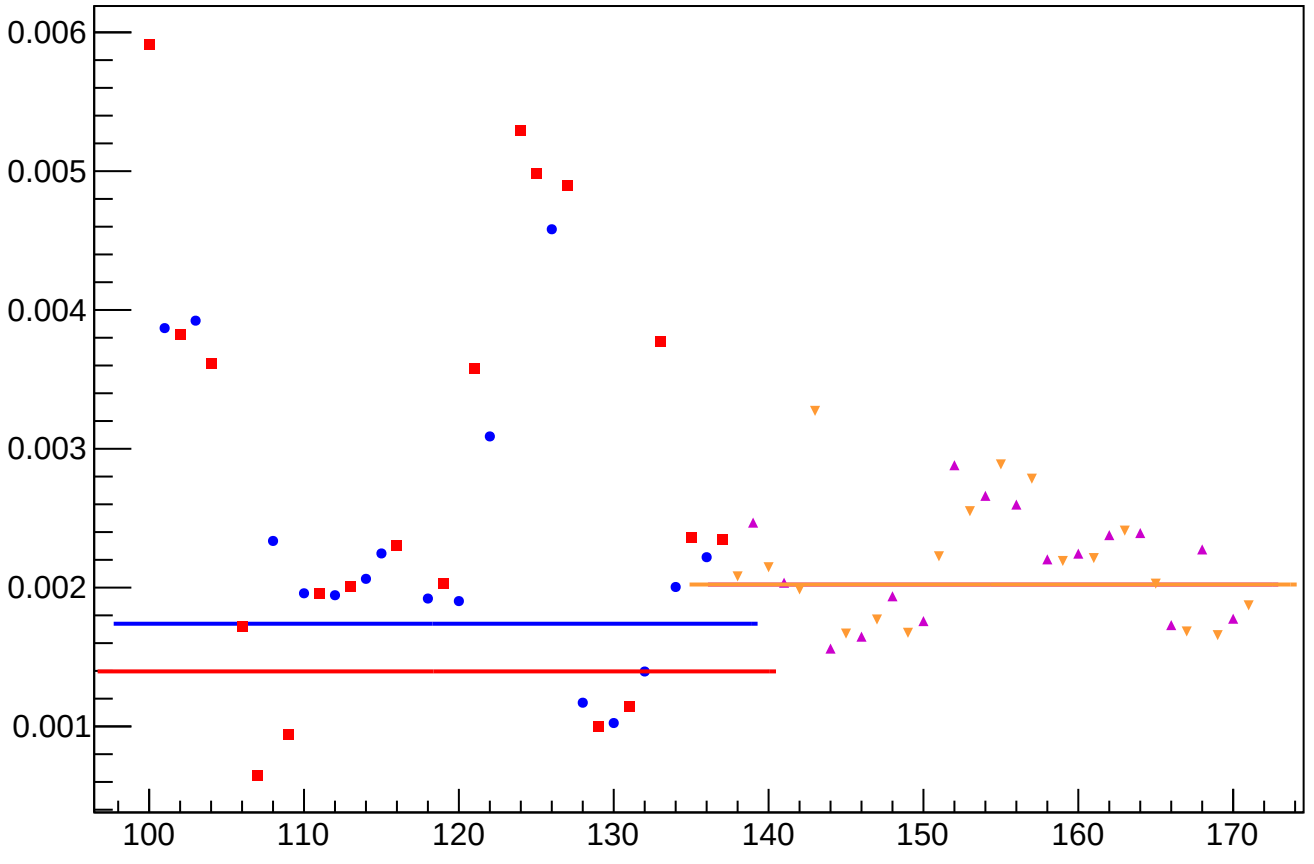
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/33

All: 0.000+/-0.000 χ^2/NDF: 85.3/68

- sign 0.000+/-0.000 χ^2/NDF: 22.9/34



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:995976.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

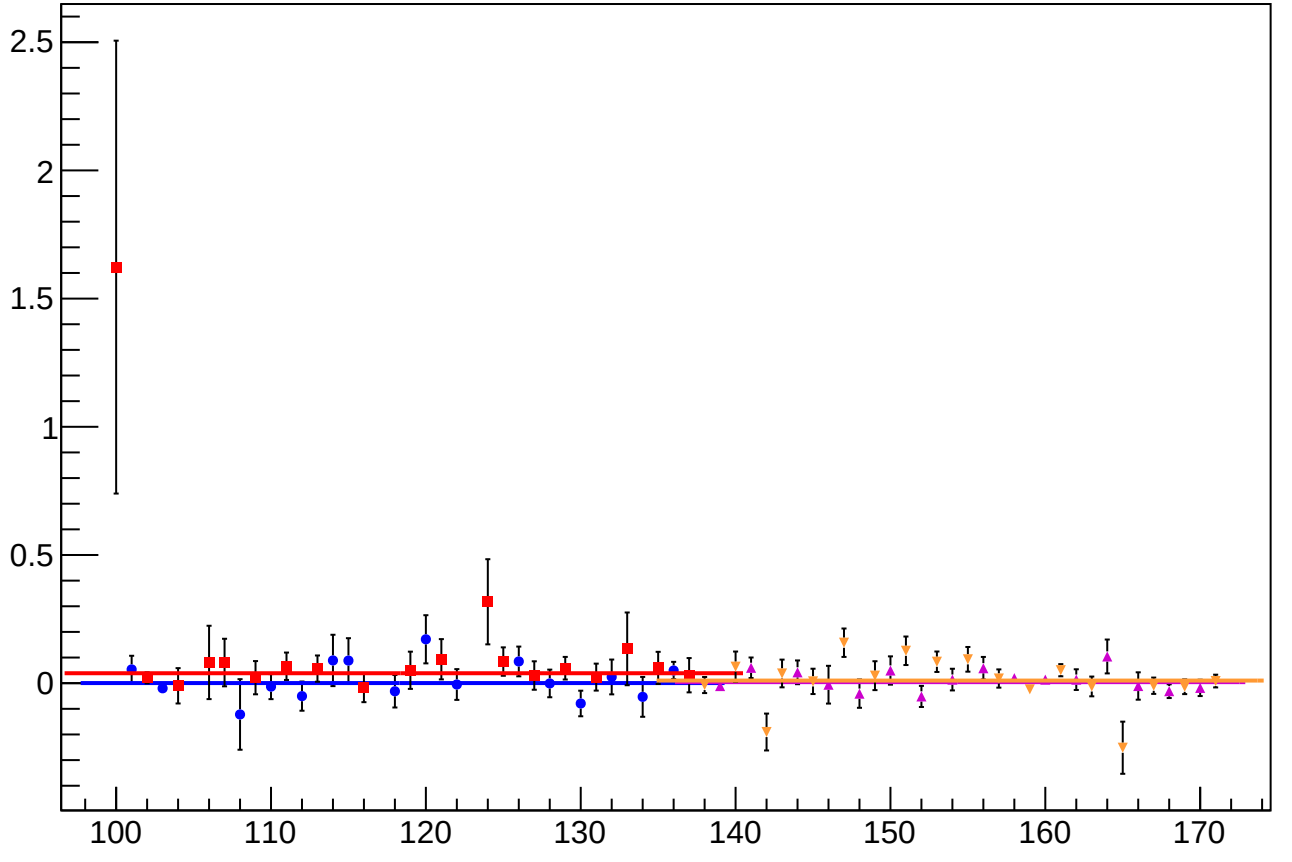
Left In: 0.002+/-0.000 χ^2/NDF:854252.6/15

+ sign 0.002+/-0.000 χ^2/NDF: 3338906.5/33

All: 0.002+/-0.000 χ^2/NDF: 9829459.3/68

- sign 0.002+/-0.000 χ^2/NDF: 6300784.3/34

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: 0.010+/-0.008 χ^2/NDF:42.5/17

Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

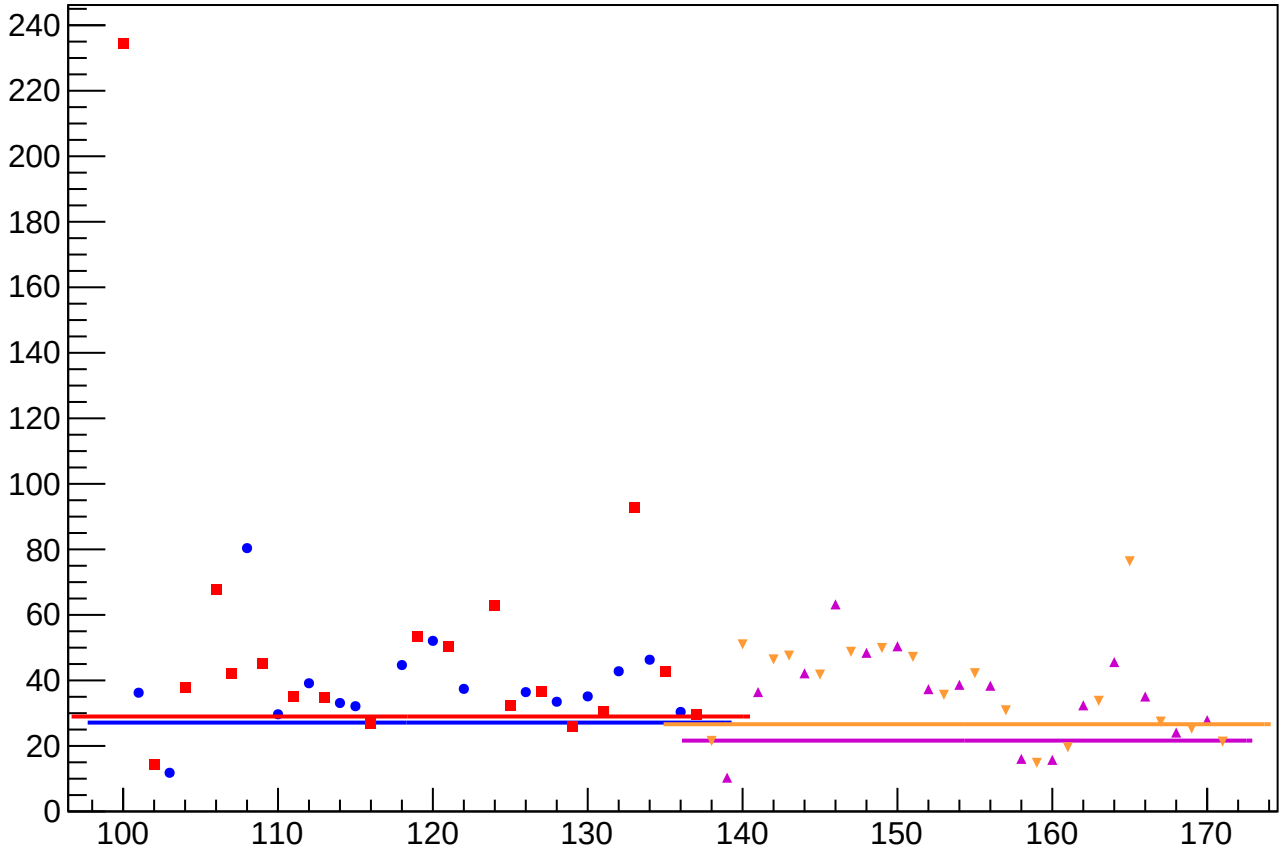
Left In: 0.004+/-0.007 χ^2/NDF:14.4/15

+ sign 0.007+/-0.007 χ^2/NDF: 59.4/33

All: 0.010+/-0.005 χ^2/NDF: 90.9/68

- sign 0.013+/-0.006 χ^2/NDF: 31.2/34

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: 26.628+/-0.006 χ^2/NDF:4150684.8/17

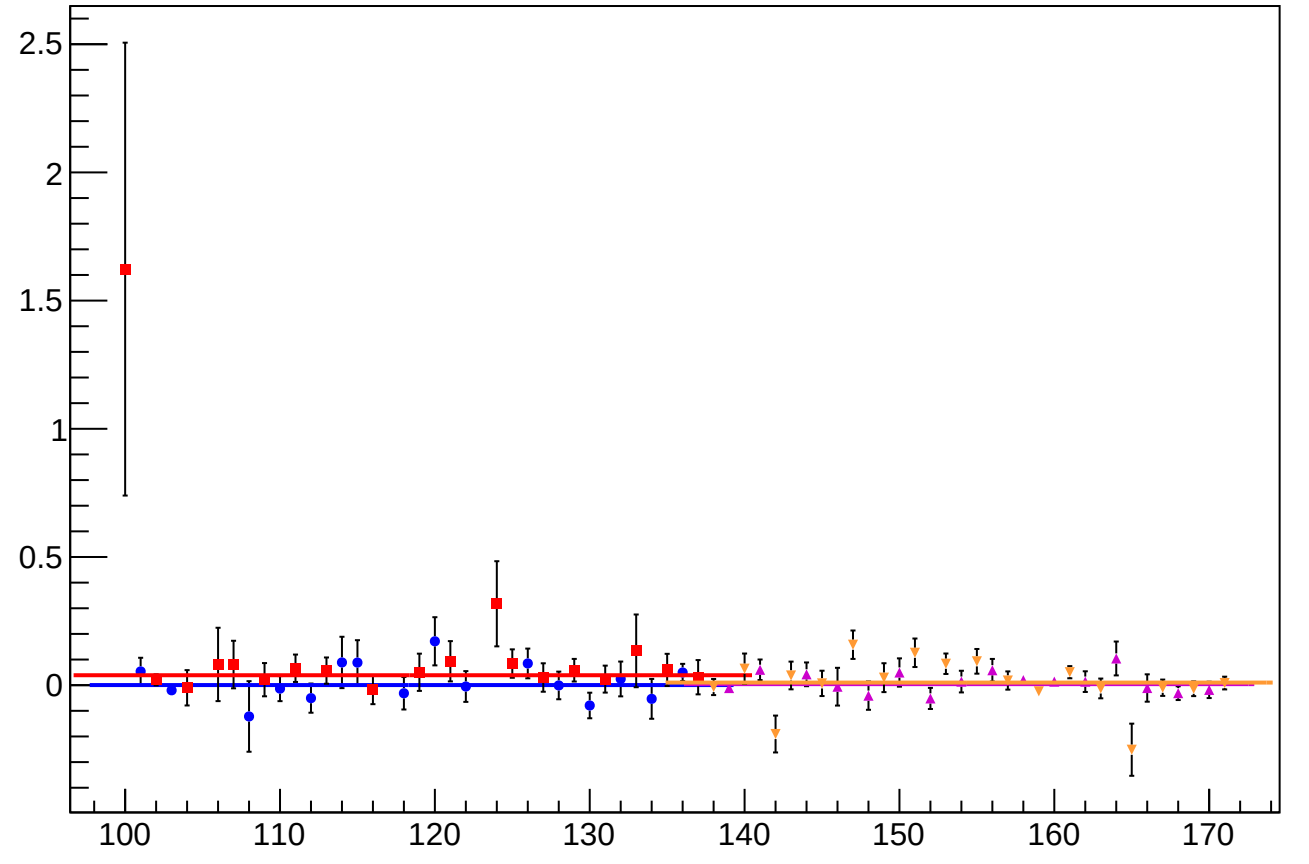
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.626+/-0.005 χ^2/NDF:5681952.7/15

+ sign 26.784+/-0.005 χ^2/NDF: 6568702.3/33

All: 25.005+/-0.003 χ^2/NDF: 15477194.8/68

- sign 23.451+/-0.004 χ^2/NDF: 8647066.4/34



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:42.5/17

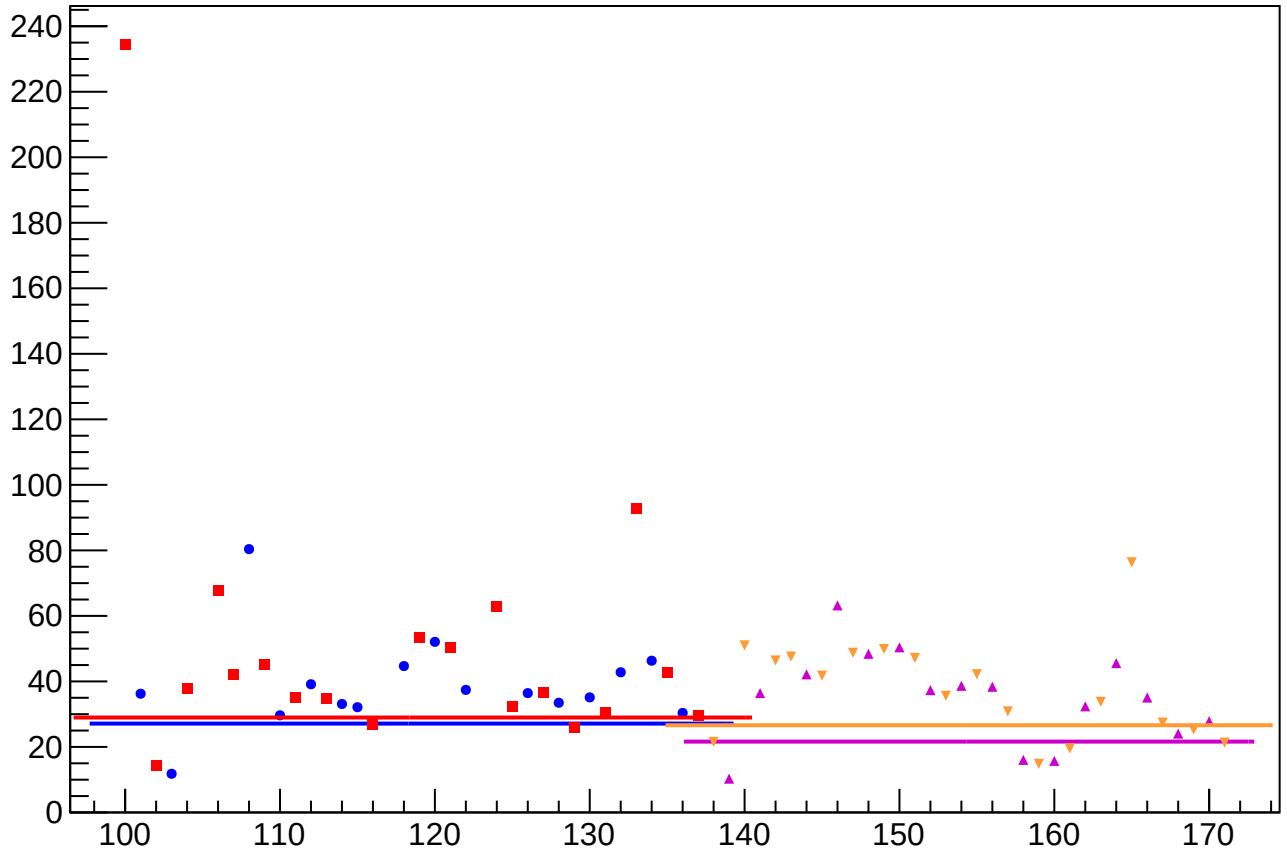
Right Out: 0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.007 χ^2/NDF:14.4/15

+ sign 0.007+/-0.007 χ^2/NDF: 59.4/33

All: 0.010+/-0.005 χ^2/NDF: 90.9/68

- sign 0.013+/-0.006 χ^2/NDF: 31.2/34



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 26.628+/-0.006 χ^2/NDF:4150684.8/17

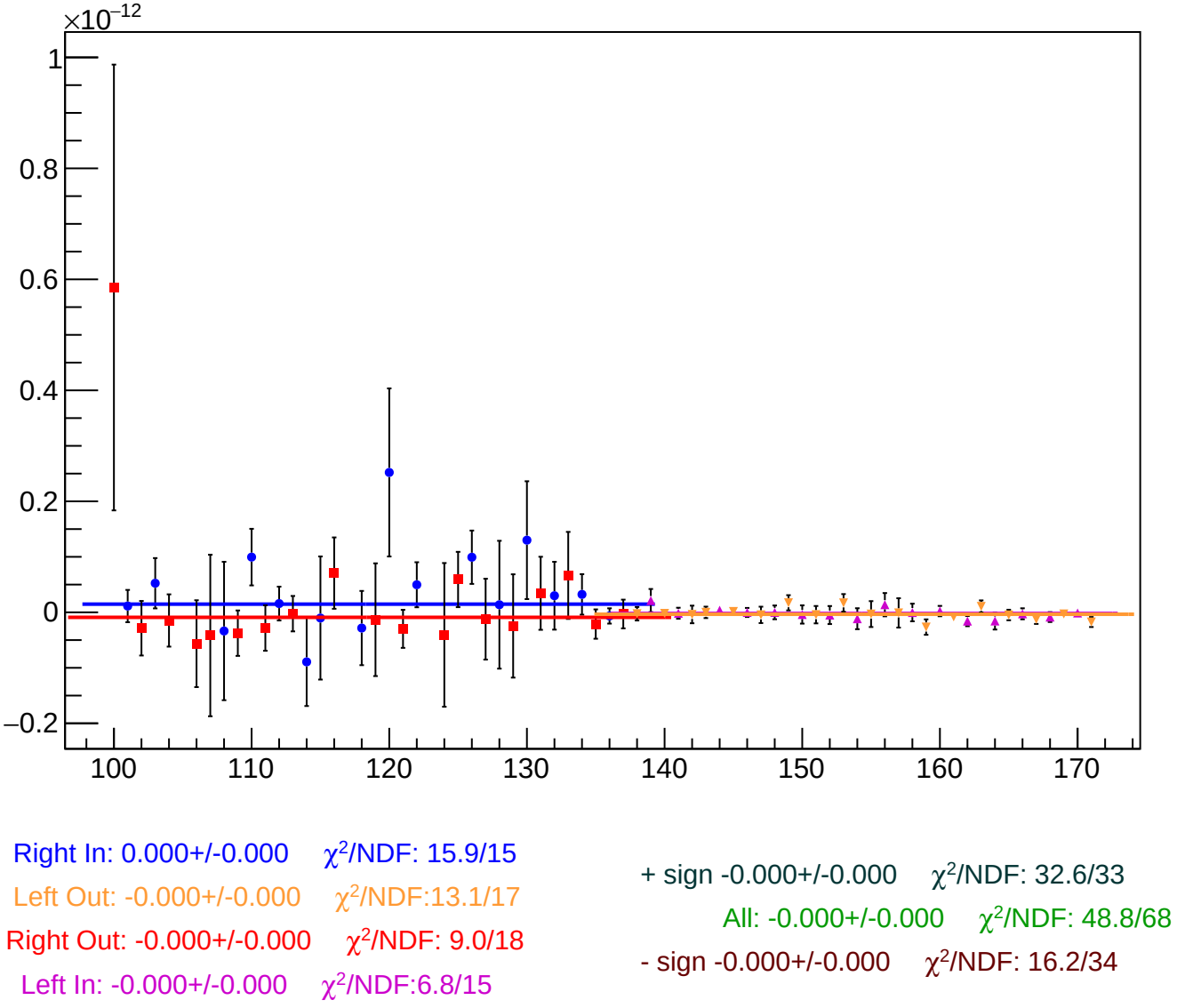
Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

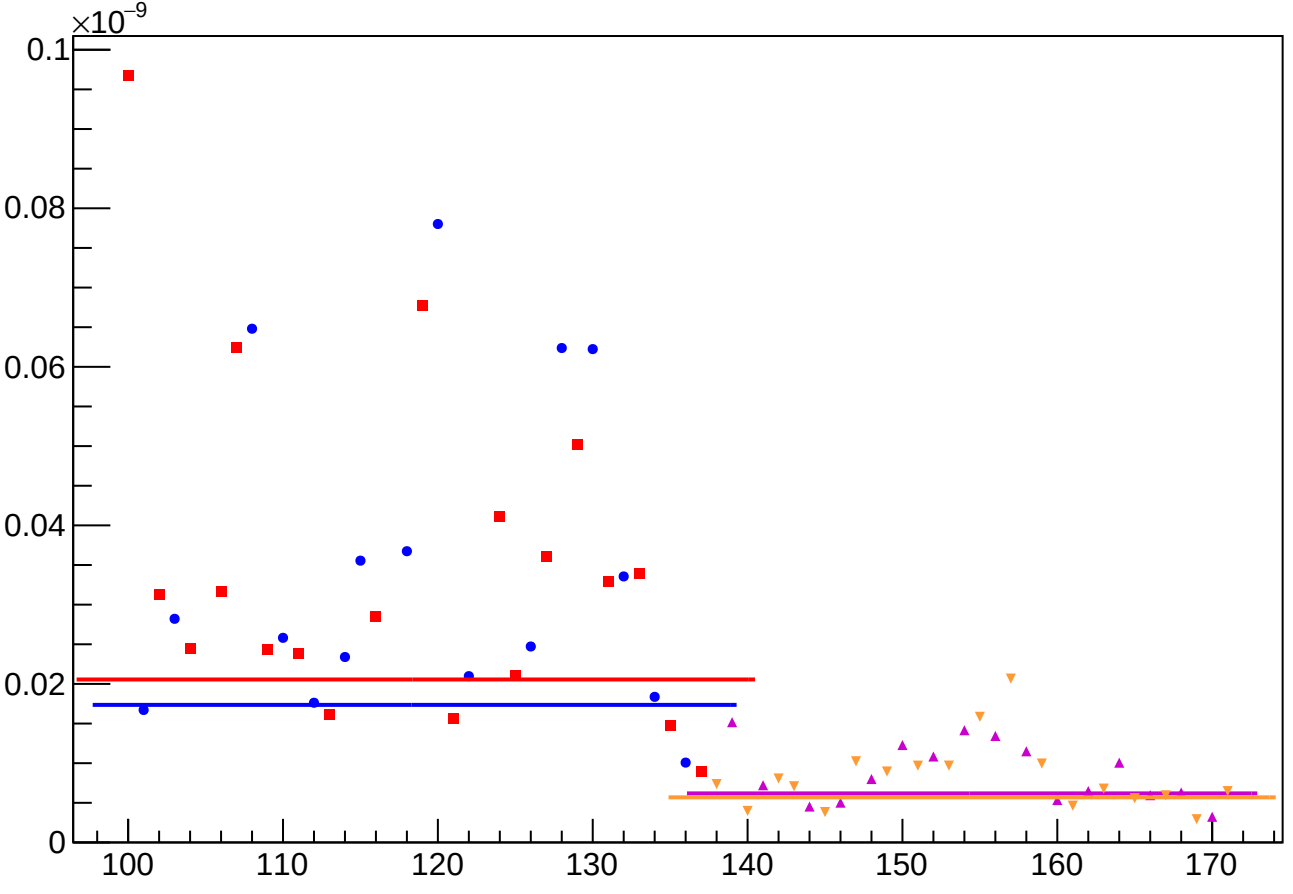
Left In: 21.626+/-0.005 χ^2/NDF:5681952.7/15

+ sign 26.784+/-0.005 χ^2/NDF: 6568702.3/33

All: 25.005+/-0.003 χ^2/NDF: 15477194.8/68

- sign 23.451+/-0.004 χ^2/NDF: 8647066.4/34


asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:13.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 9.0/18
Left In: -0.000+/-0.000 χ²/NDF:6.8/15
+ sign -0.000+/-0.000 χ²/NDF: 32.6/33
All: -0.000+/-0.000 χ²/NDF: 48.8/68
- sign -0.000+/-0.000 χ²/NDF: 16.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2748825.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

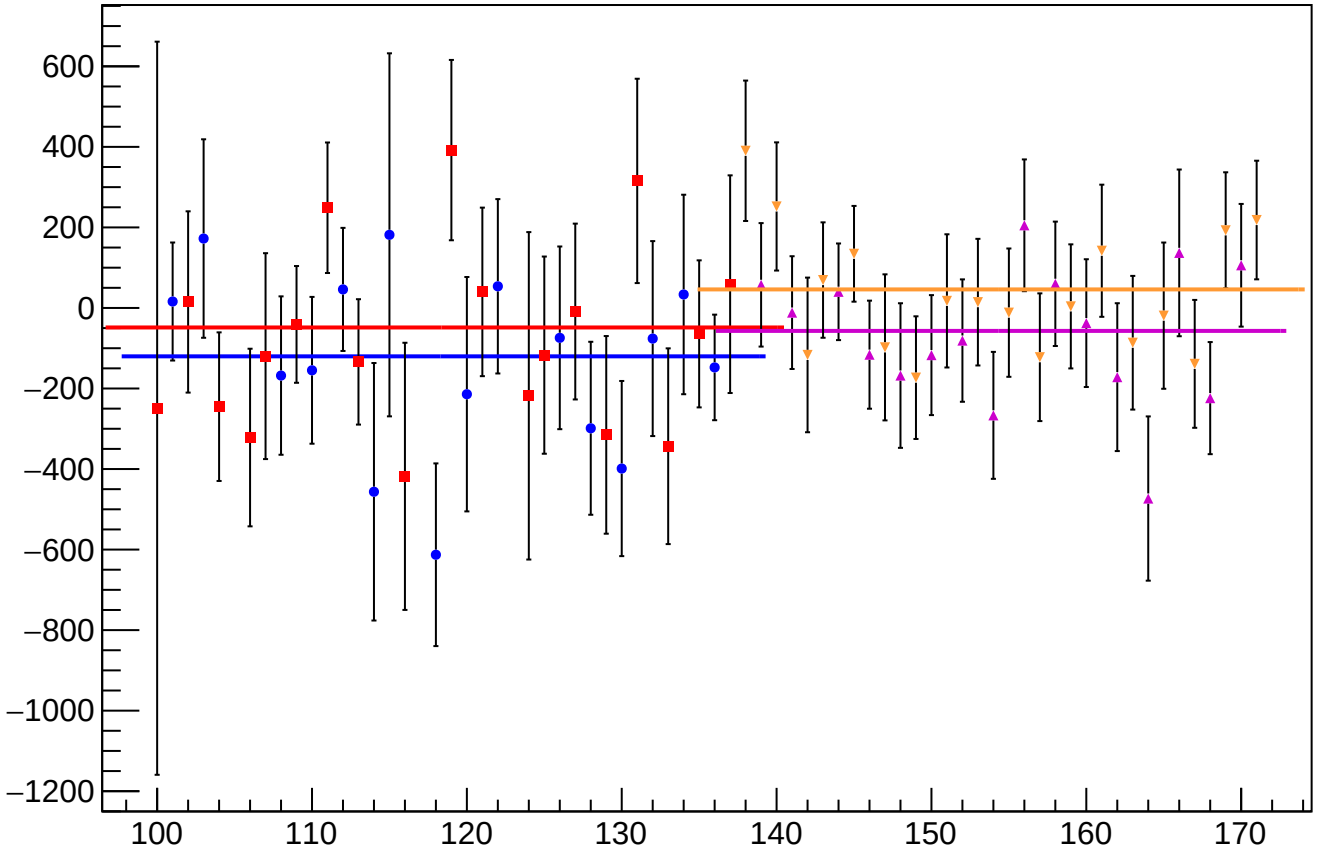
Left In: 0.000+/-0.000 χ^2/NDF:2578022.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 8067179.6/33

All: 0.000+/-0.000 χ^2/NDF: 15974257.8/68

- sign 0.000+/-0.000 χ^2/NDF: 7845111.8/34

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 46.045+/-37.051 χ^2/NDF:15.8/17

Right Out: -48.449+/-49.910 χ^2/NDF: 17.0/18

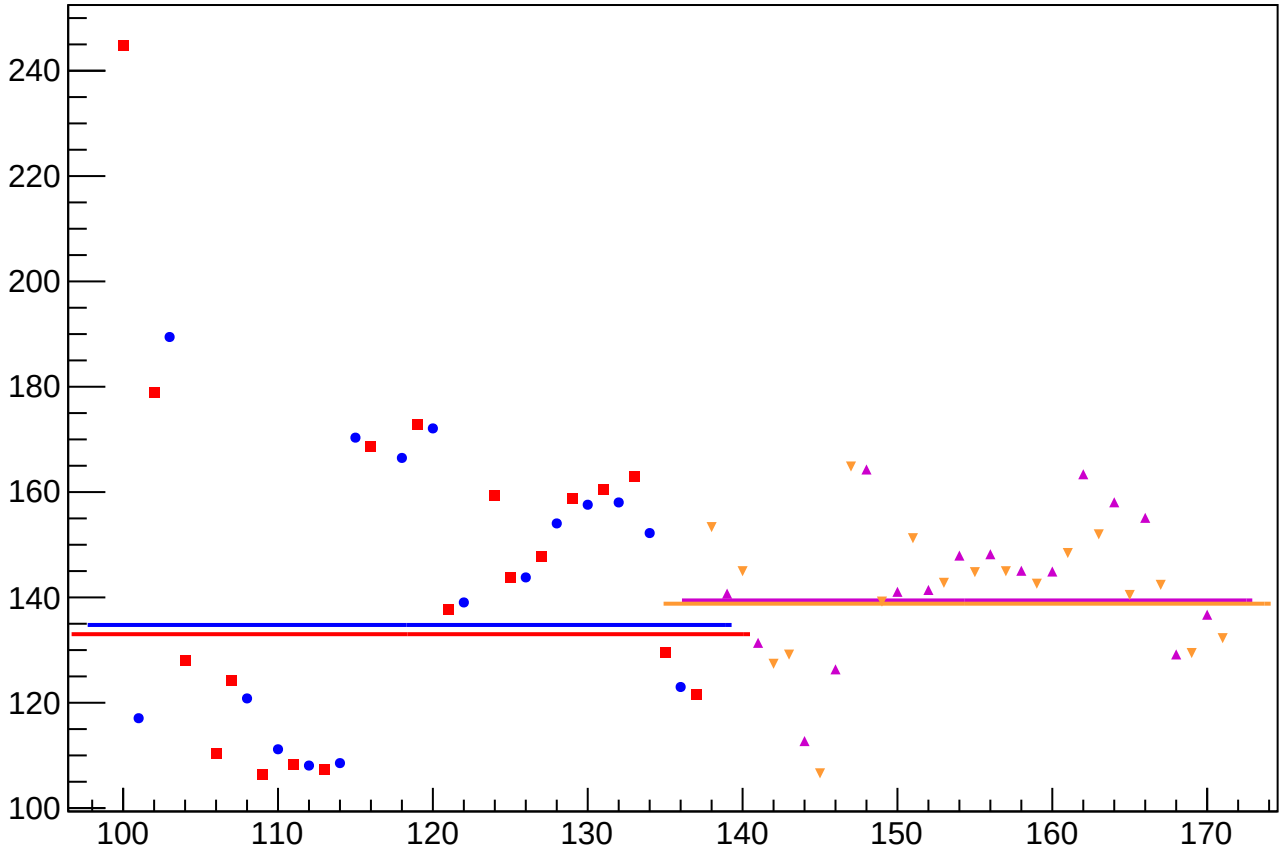
Left In: -56.985+/-38.664 χ^2/NDF:15.0/15

+ sign -11.219+/-29.996 χ^2/NDF: 36.2/33

All: -32.101+/-21.409 χ^2/NDF: 69.2/68

- sign -53.783+/-30.565 χ^2/NDF: 32.0/34

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

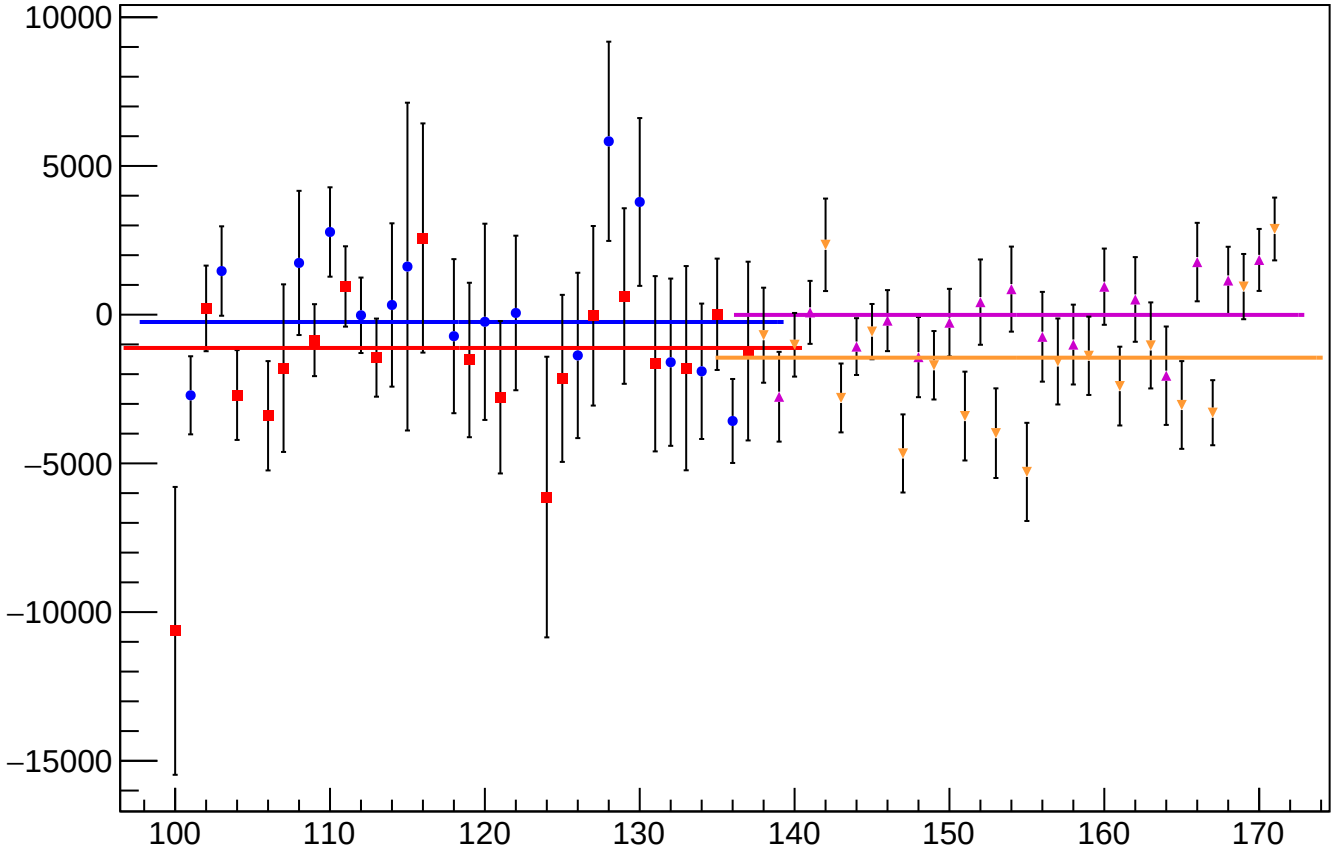
Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

+ sign 137.418+/-0.021 χ^2/NDF: 698776.5/33

All: 137.224+/-0.015 χ^2/NDF: 1469409.2/68

- sign 137.023+/-0.022 χ^2/NDF: 770462.9/34

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1446.101+/-297.486 χ^2/NDF:50.8/17

Right Out: -1119.420+/-468.400 χ^2/NDF: 13.4/18

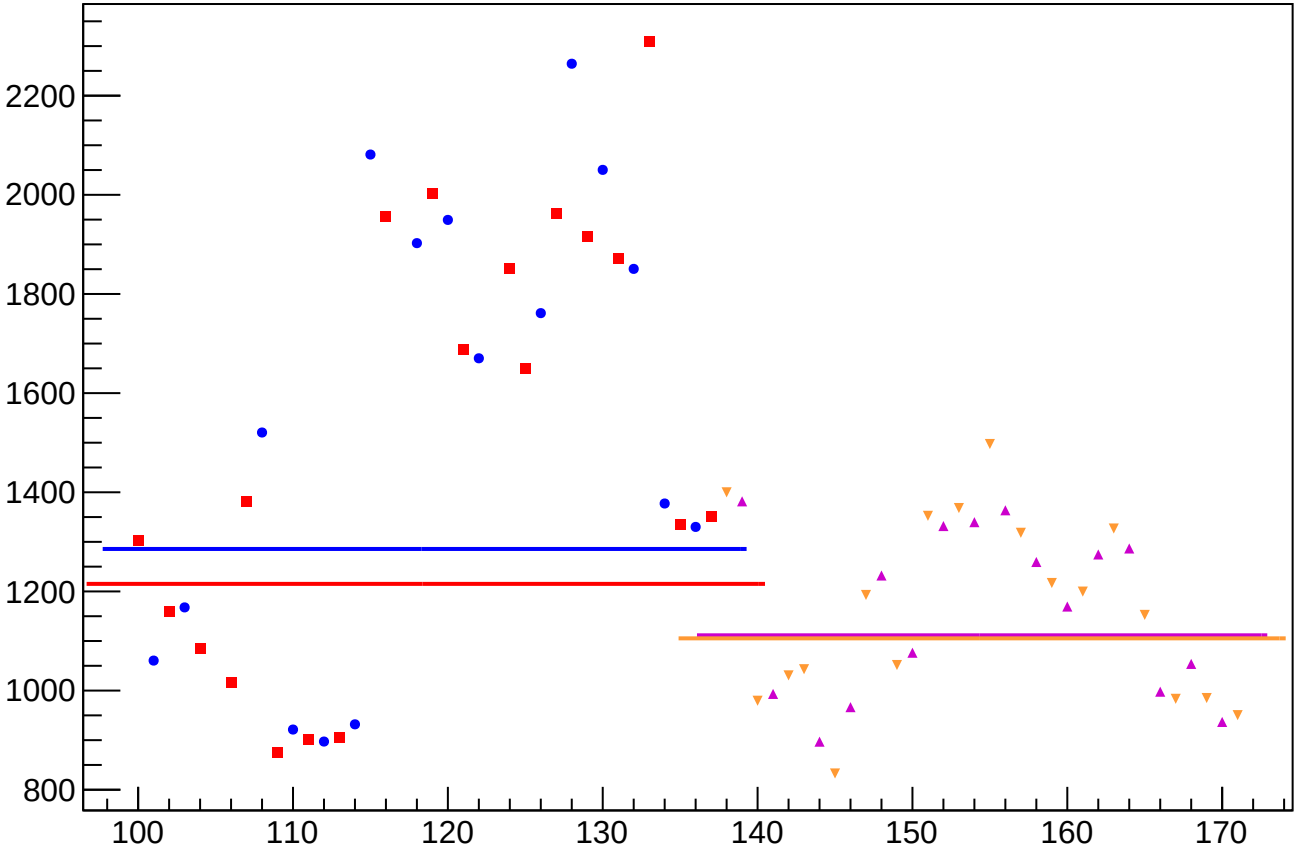
Left In: -7.881+/-309.912 χ^2/NDF:15.2/15

+ sign -1133.742+/-255.846 χ^2/NDF: 76.7/33

All: -744.034+/-181.828 χ^2/NDF: 113.9/68

- sign -346.320+/-258.461 χ^2/NDF: 32.5/34

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728670.2/17

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

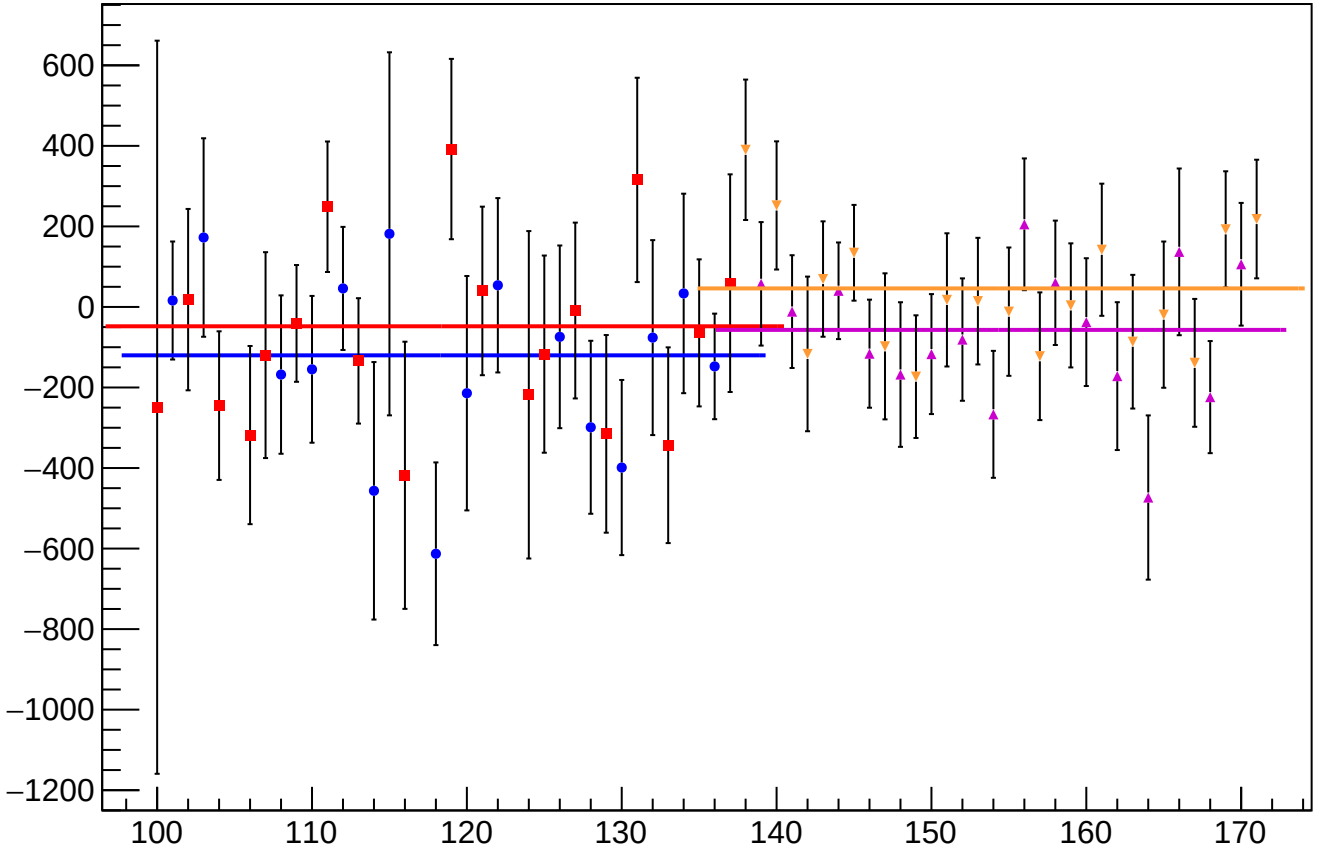
Left In: 1111.486+/-0.219 χ^2/NDF:555153.3/15

+ sign 1152.303+/-0.181 χ^2/NDF: 2090401.8/33

All: 1147.736+/-0.129 χ^2/NDF: 4101380.6/68

- sign 1143.076+/-0.183 χ^2/NDF: 2009691.5/34

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 46.048+/-37.051 χ^2/NDF:15.8/17

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

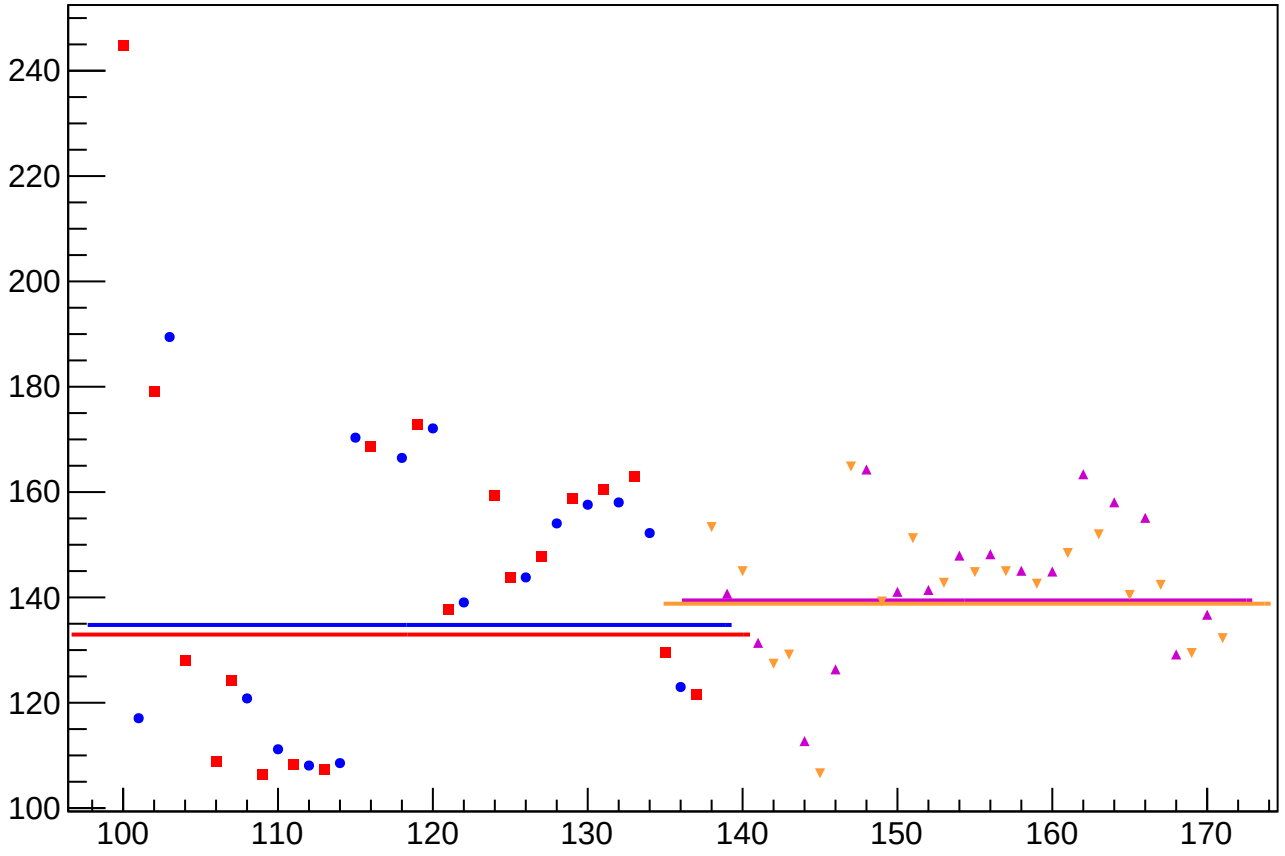
Left In: -56.983+/-38.664 χ^2/NDF:15.0/15

+ sign -11.220+/-29.996 χ^2/NDF: 36.2/33

All: -32.020+/-21.410 χ^2/NDF: 69.2/68

- sign -53.619+/-30.567 χ^2/NDF: 32.0/34

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

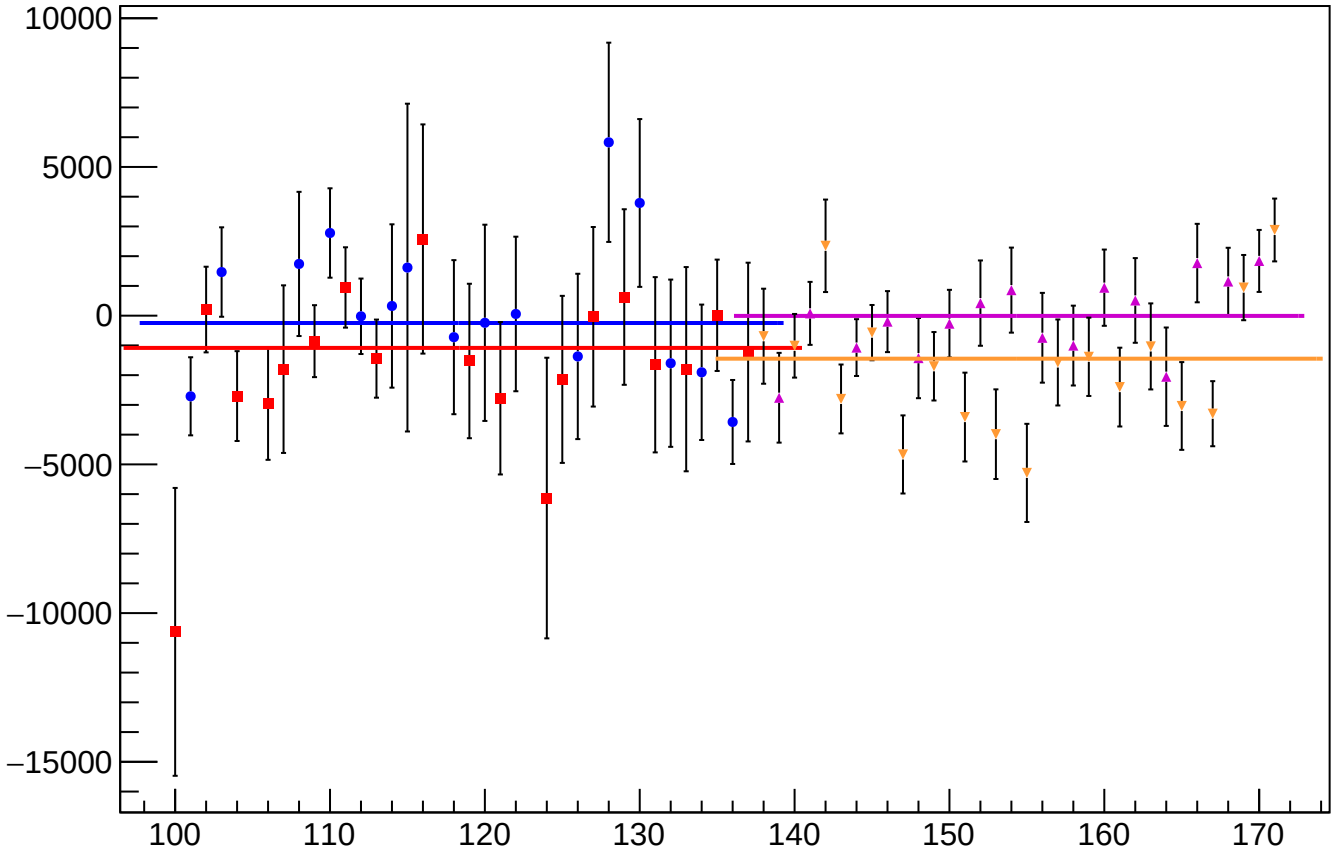
Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

\+ sign 137.418+/-0.021 χ^2/NDF: 698779.5/33

All: 137.211+/-0.015 χ^2/NDF: 1473032.6/68

\- sign 136.997+/-0.022 χ^2/NDF: 774059.6/34

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1446.095+/-297.486 χ^2/NDF:50.8/17

Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

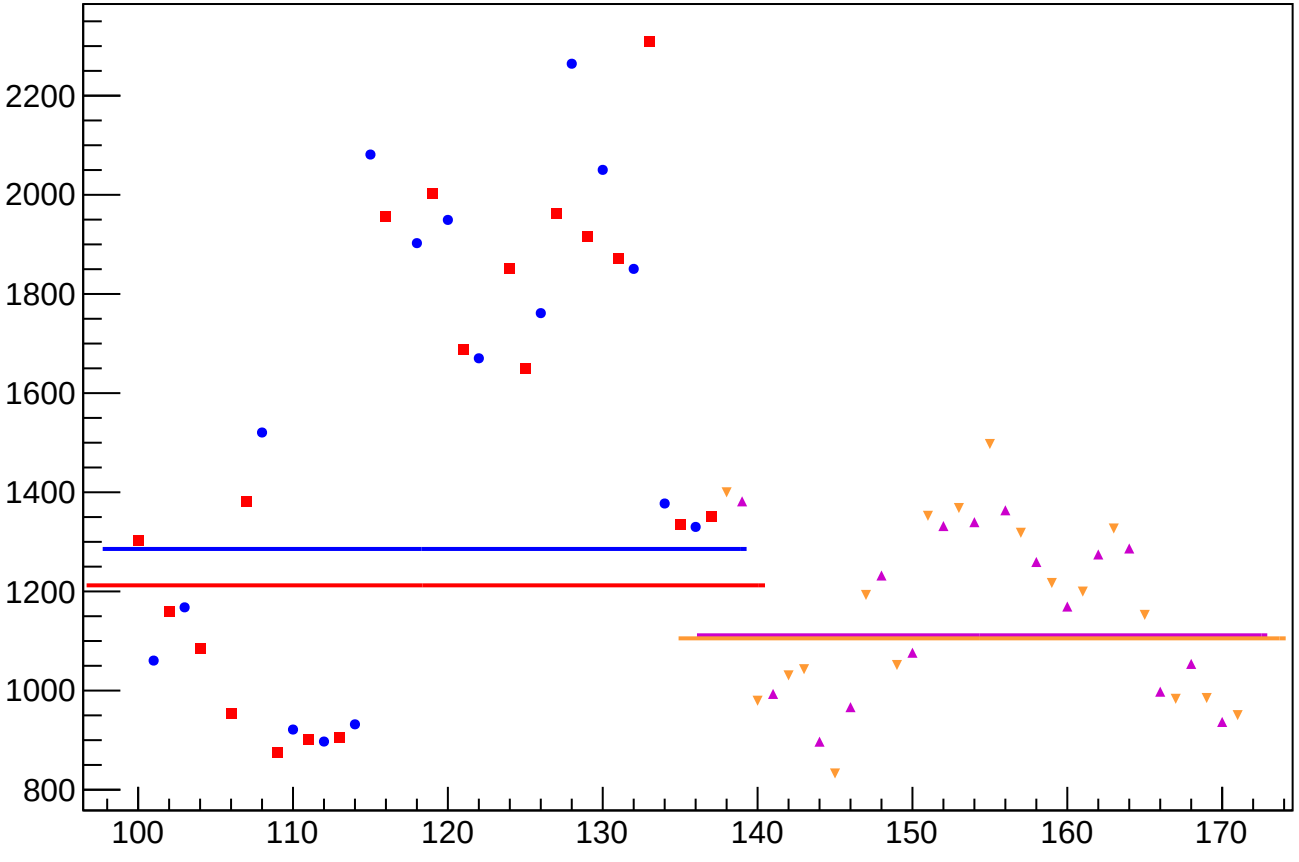
Left In: -7.889+/-309.913 χ^2/NDF:15.2/15

+ sign -1133.760+/-255.847 χ^2/NDF: 76.7/33

All: -738.517+/-181.882 χ^2/NDF: 113.2/68

- sign -334.673+/-258.616 χ^2/NDF: 31.7/34

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728672.4/17

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

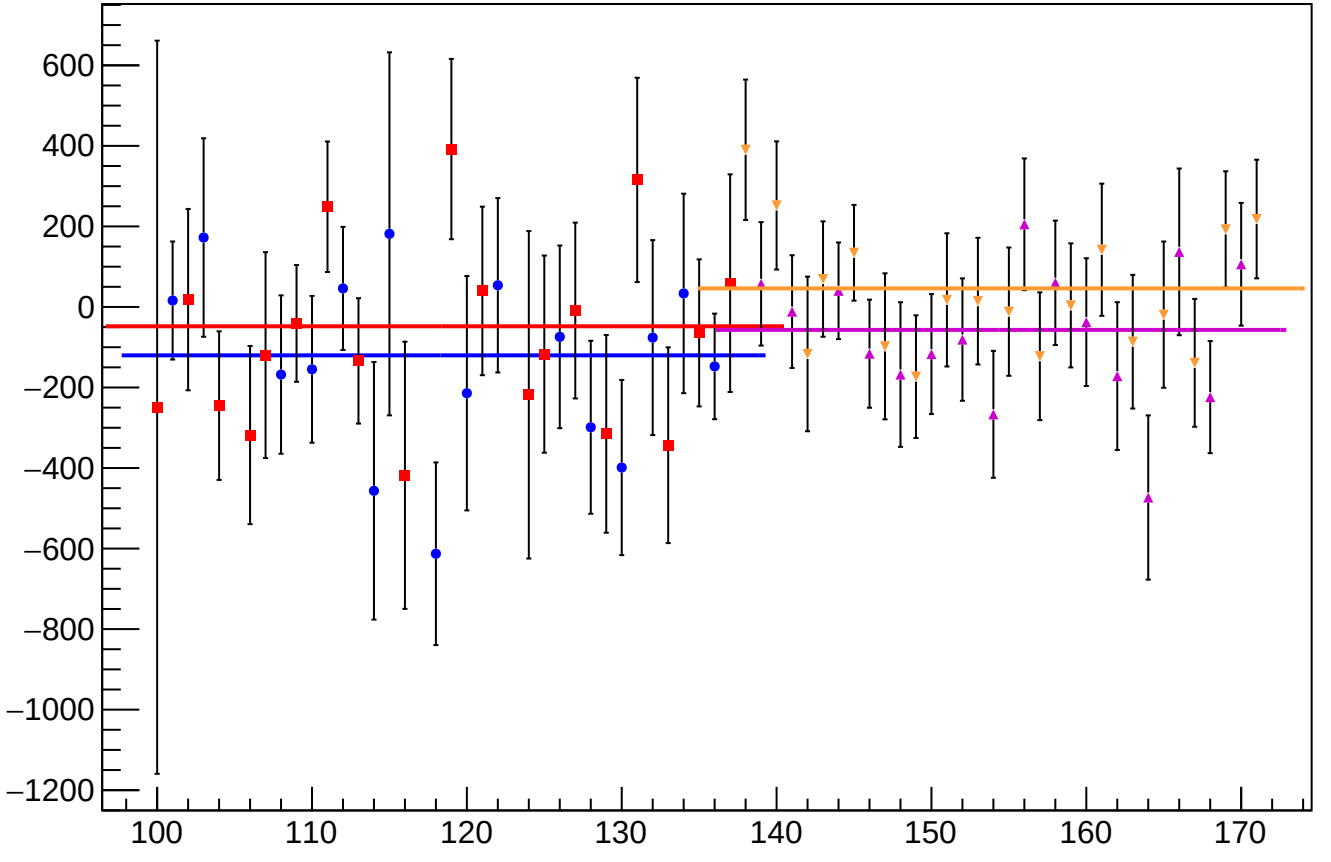
Left In: 1111.487+/-0.219 χ^2/NDF:555151.1/15

+ sign 1152.305+/-0.181 χ^2/NDF: 2090405.8/33

All: 1147.253+/-0.129 χ^2/NDF: 4111999.6/68

- sign 1142.091+/-0.183 χ^2/NDF: 2020017.0/34

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 46.048+/-37.051 χ^2/NDF:15.8/17

Right Out: -48.013+/-49.919 χ^2/NDF: 17.0/18

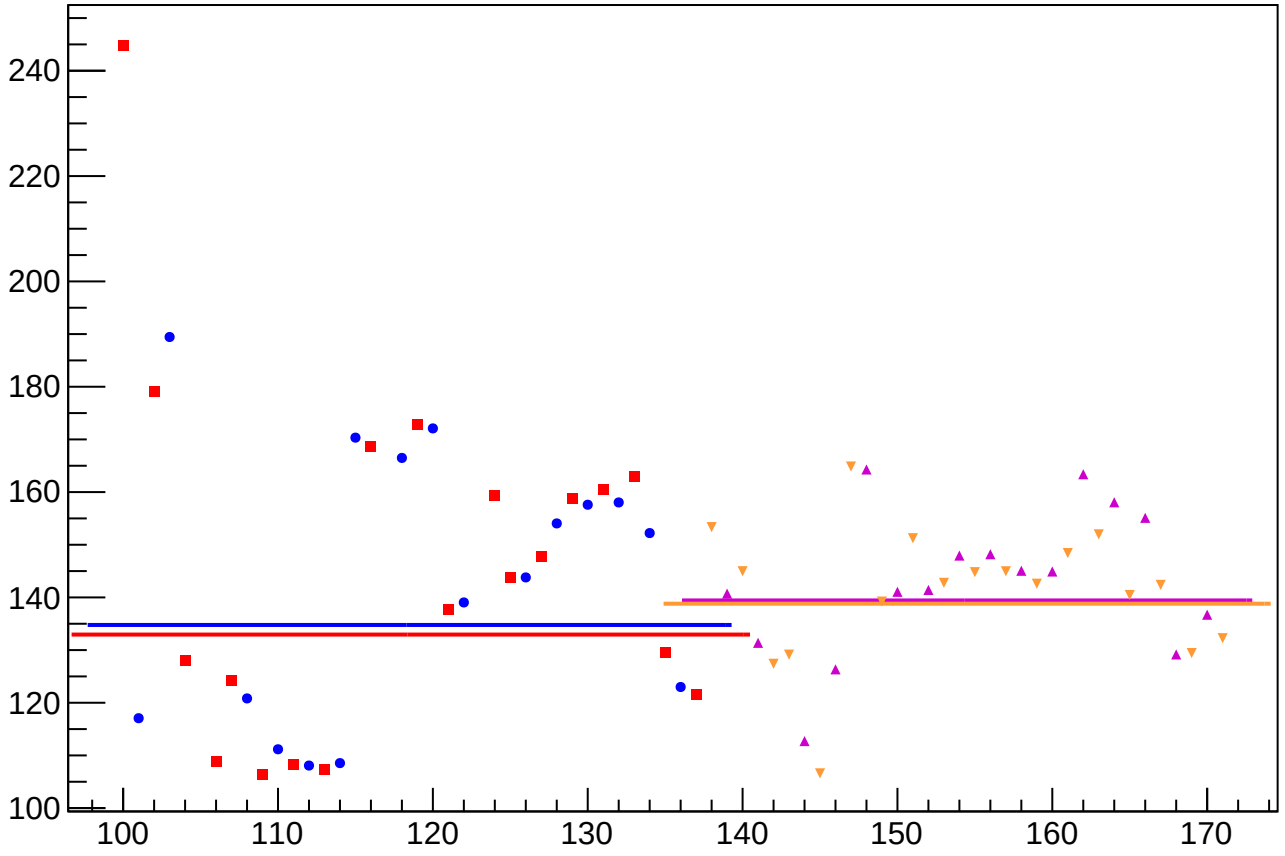
Left In: -56.983+/-38.664 χ^2/NDF:15.0/15

+ sign -11.220+/-29.996 χ^2/NDF: 36.2/33

All: -32.020+/-21.410 χ^2/NDF: 69.2/68

- sign -53.619+/-30.567 χ^2/NDF: 32.0/34

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

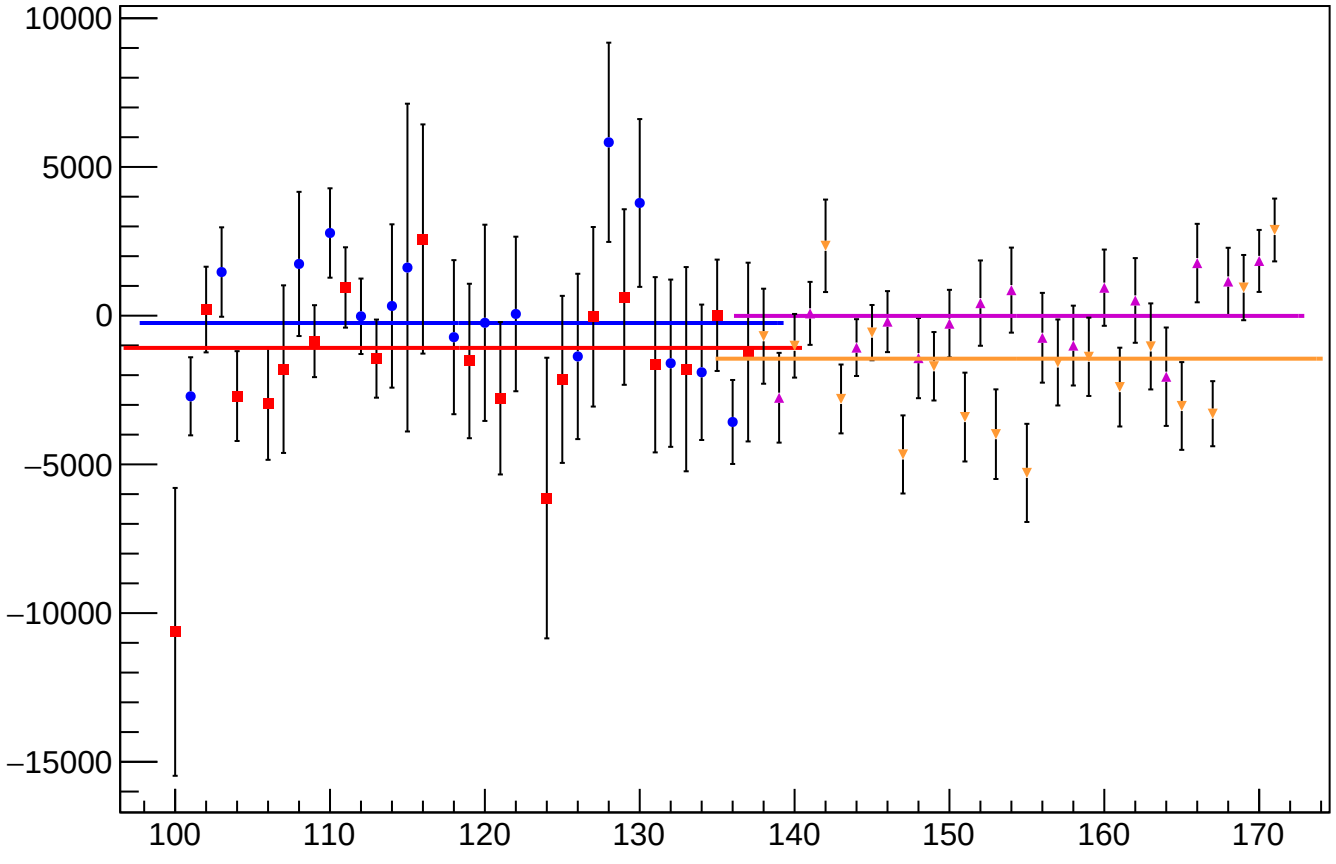
Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.426+/-0.027 χ^2/NDF:254149.0/15

\+ sign 137.418+/-0.021 χ^2/NDF: 698779.5/33

All: 137.211+/-0.015 χ^2/NDF: 1473032.6/68

\- sign 136.997+/-0.022 χ^2/NDF: 774059.6/34



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1446.095+/-297.486 χ^2/NDF:50.8/17

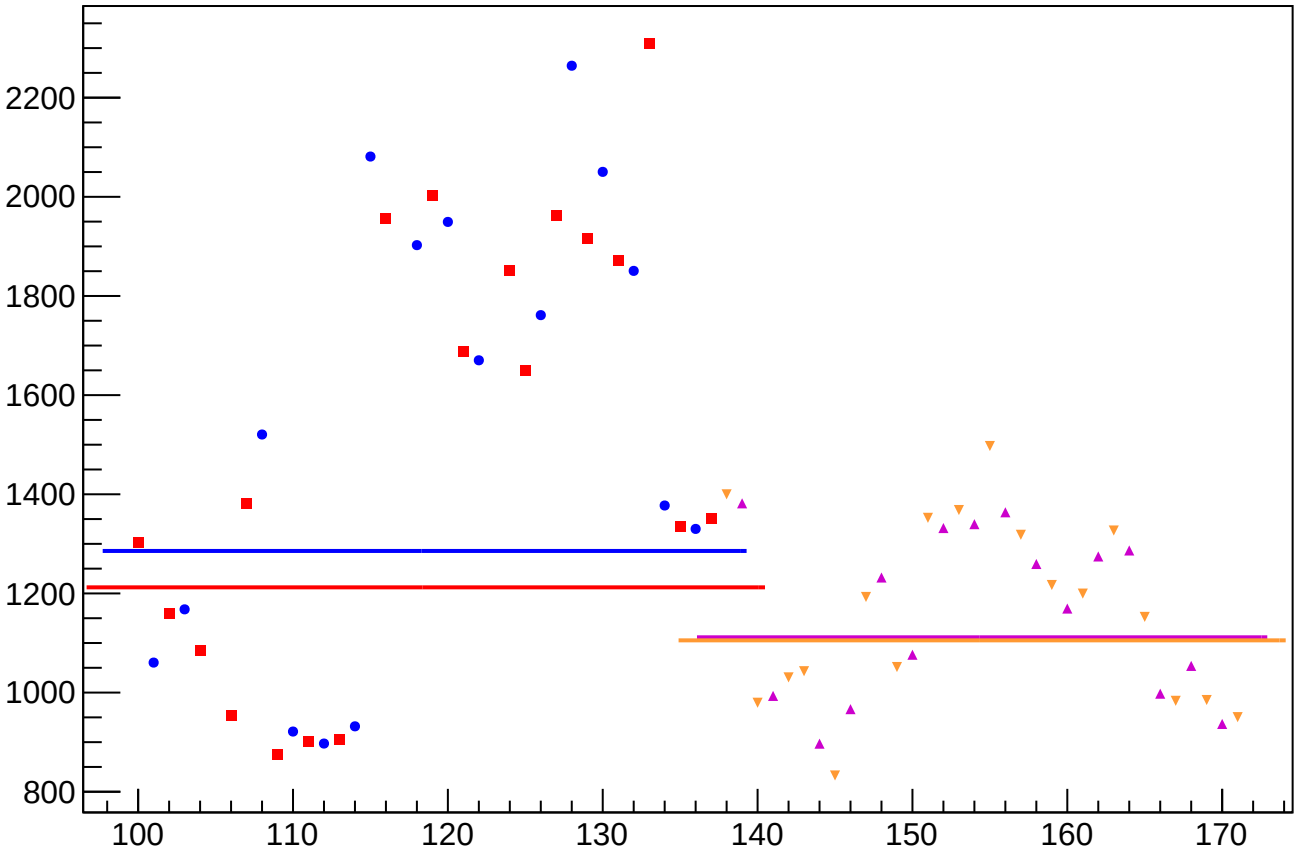
Right Out: -1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: -7.889+/-309.913 χ^2/NDF:15.2/15

+ sign -1133.760+/-255.847 χ^2/NDF: 76.7/33

All: -738.517+/-181.882 χ^2/NDF: 113.2/68

- sign -334.673+/-258.616 χ^2/NDF: 31.7/34



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728672.4/17

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

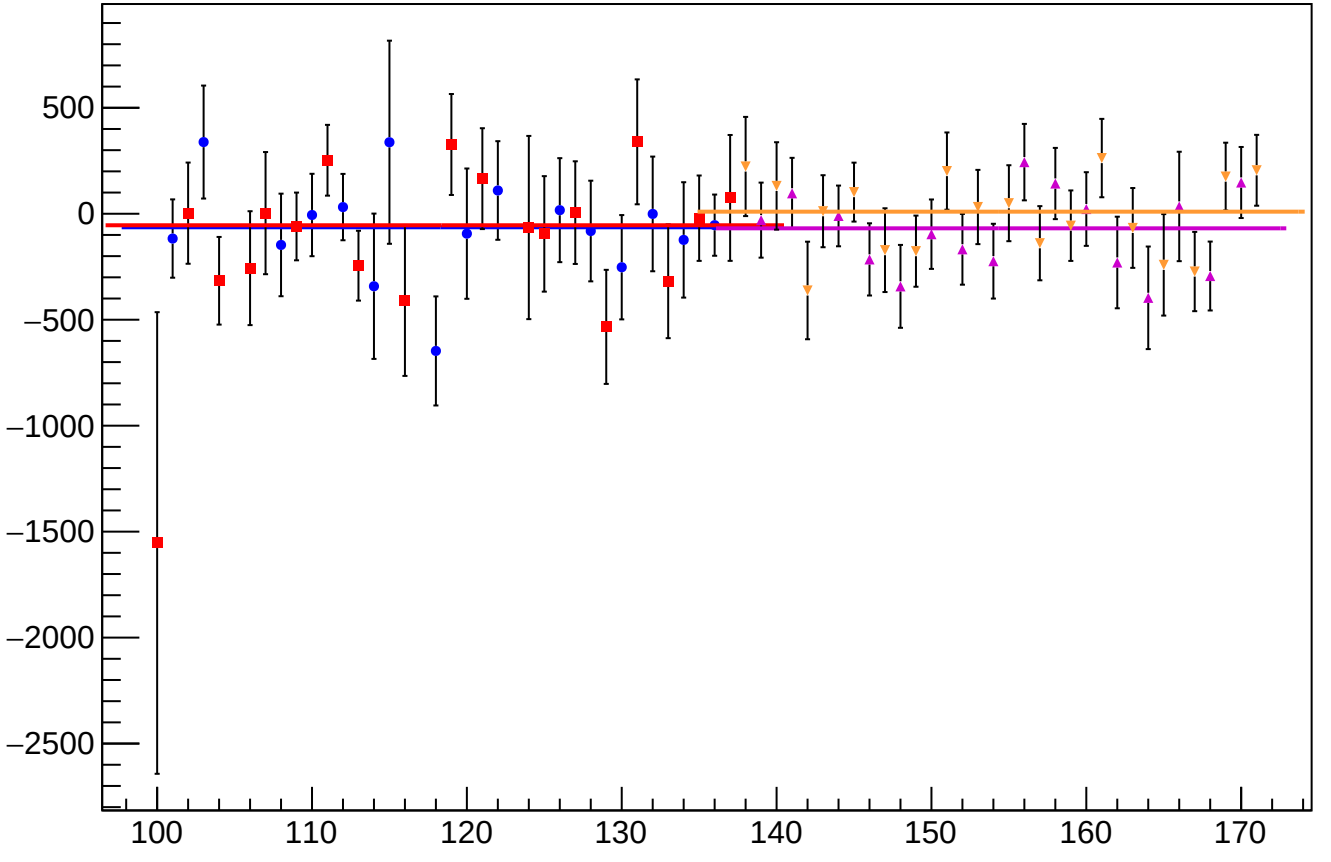
Left In: 1111.487+/-0.219 χ^2/NDF:555151.1/15

+ sign 1152.305+/-0.181 χ^2/NDF: 2090405.8/33

All: 1147.253+/-0.129 χ^2/NDF: 4111999.6/68

- sign 1142.091+/-0.183 χ^2/NDF: 2020017.0/34

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.868+/-42.677 χ^2/NDF:16.2/17

Right Out: -54.305+/-54.743 χ^2/NDF: 19.5/18

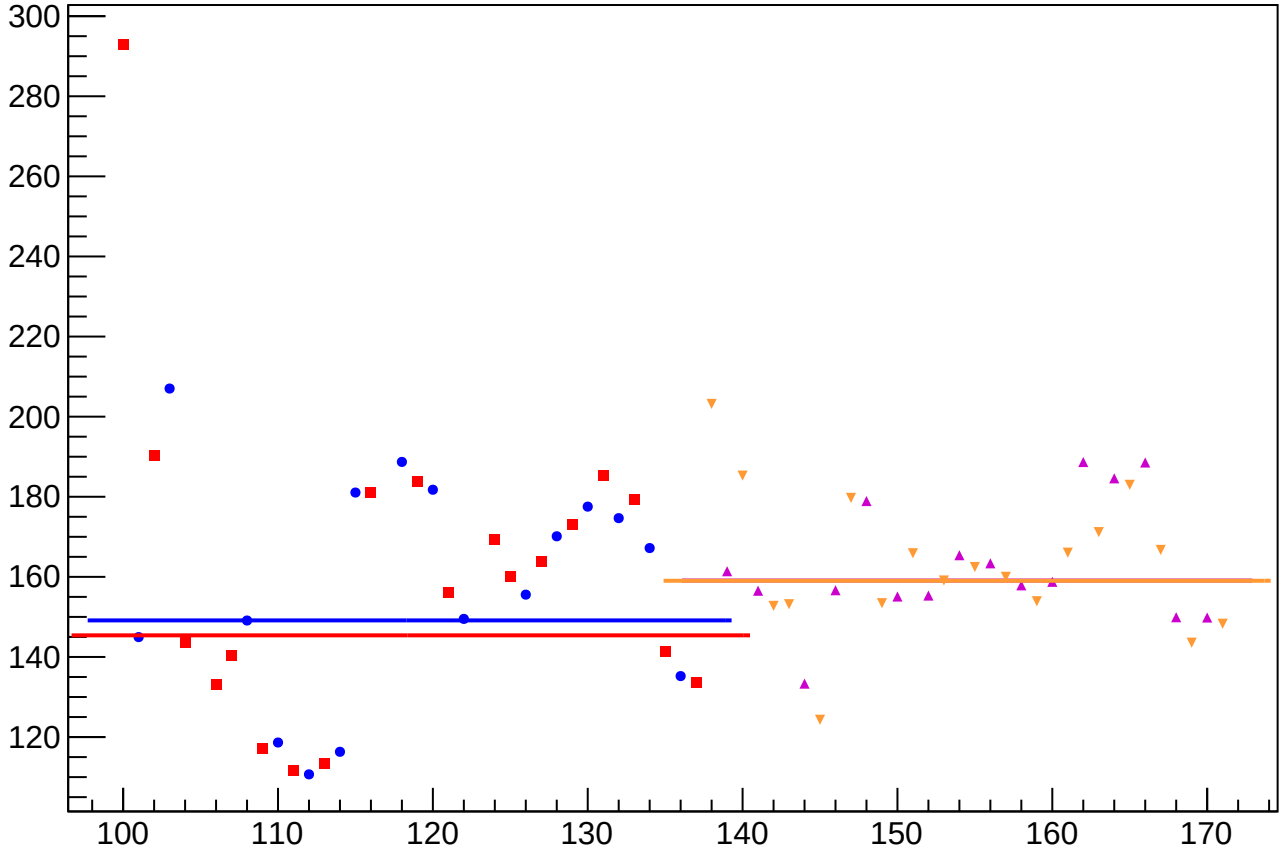
Left In: -68.781+/-44.352 χ^2/NDF:16.0/15

+ sign -16.746+/-34.105 χ^2/NDF: 28.1/33

All: -39.654+/-24.241 χ^2/NDF: 64.6/68

- sign -63.044+/-34.461 χ^2/NDF: 35.6/34

dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.026+/-0.030 χ^2/NDF:323234.6/17

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

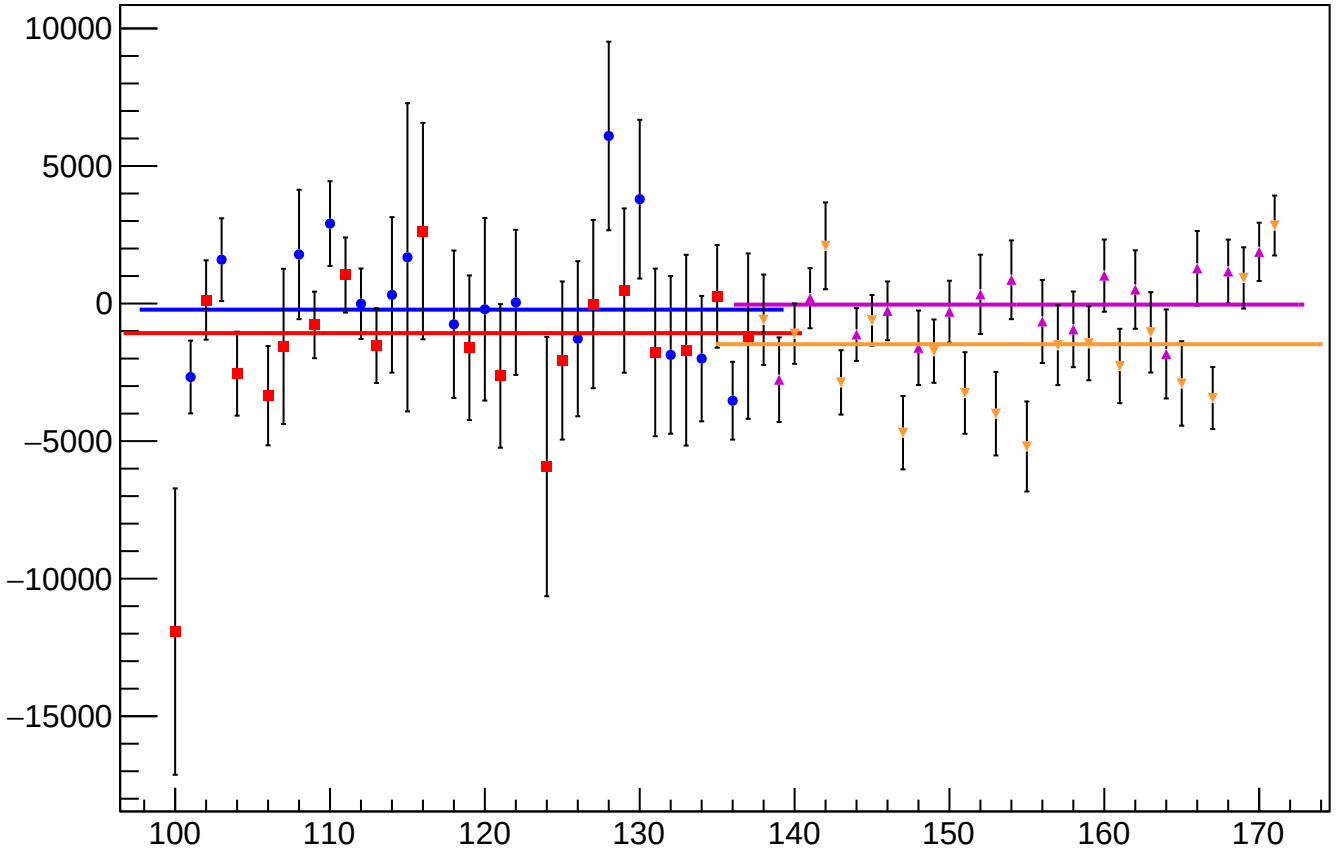
Left In: 159.084+/-0.031 χ^2/NDF:190610.5/15

+ sign 155.450+/-0.024 χ^2/NDF: 813100.1/33

All: 154.565+/-0.017 χ^2/NDF: 1607709.1/68

- sign 153.661+/-0.024 χ^2/NDF: 791884.7/34

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1477.613+/-301.578 χ^2/NDF:47.8/17

Right Out: -1074.433+/-472.816 χ^2/NDF: 13.6/18

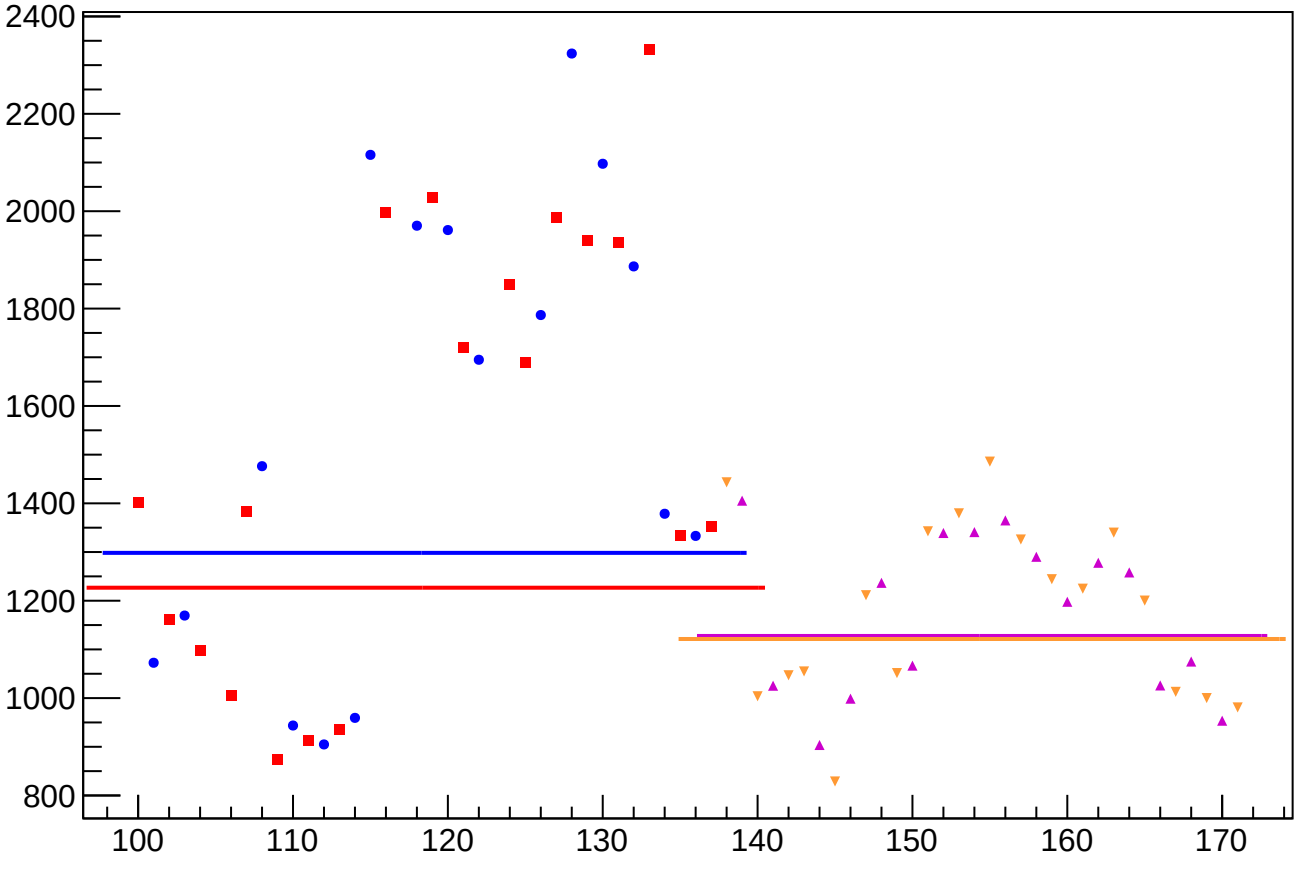
Left In: -38.441+/-314.230 χ^2/NDF:14.3/15

+ sign -1148.495+/-259.084 χ^2/NDF: 74.2/33

All: -756.156+/-184.120 χ^2/NDF: 110.0/68

- sign -355.835+/-261.706 χ^2/NDF: 31.2/34

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1121.406+/-0.213 χ^2/NDF:723351.2/17

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

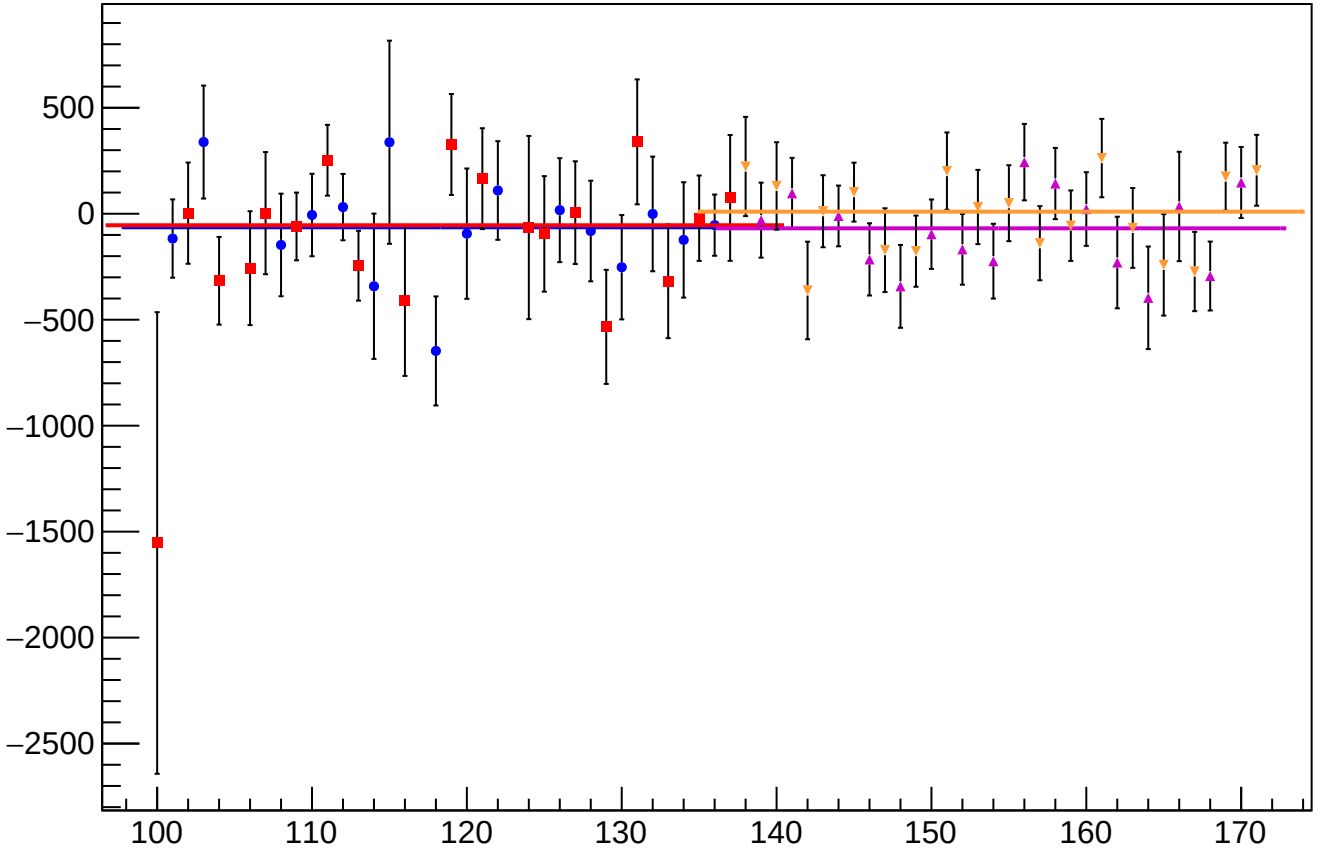
Left In: 1127.617+/-0.222 χ^2/NDF:514544.4/15

+ sign 1167.743+/-0.183 χ^2/NDF: 2085717.1/33

All: 1162.911+/-0.130 χ^2/NDF: 4067144.7/68

- sign 1157.982+/-0.185 χ^2/NDF: 1980022.5/34

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.871+/-42.677 χ^2/NDF:16.2/17

Right Out: -54.304+/-54.743 χ^2/NDF: 19.5/18

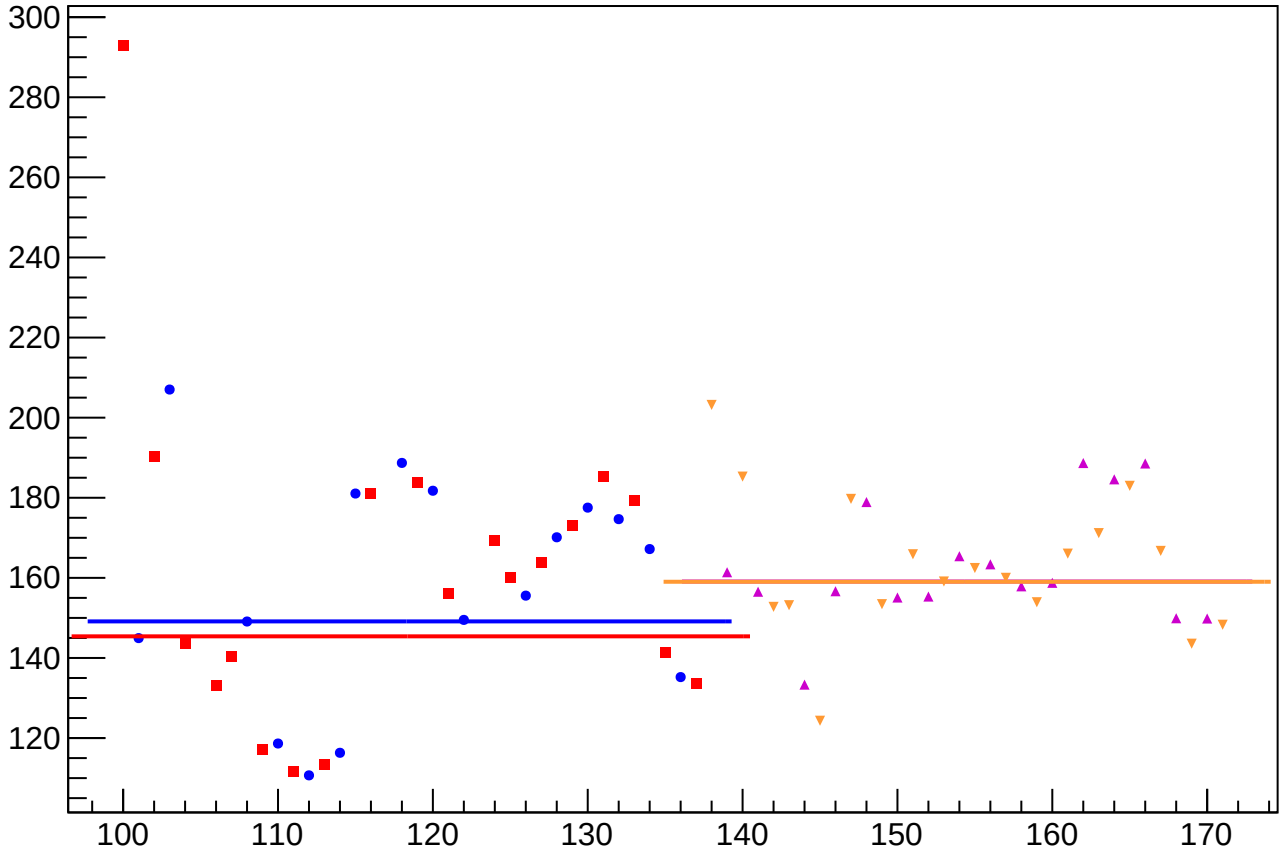
Left In: -68.781+/-44.352 χ^2/NDF:16.0/15

+ sign -16.744+/-34.105 χ^2/NDF: 28.1/33

All: -39.653+/-24.241 χ^2/NDF: 64.6/68

- sign -63.044+/-34.461 χ^2/NDF: 35.6/34

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.027+/-0.030 χ^2/NDF:323229.7/17

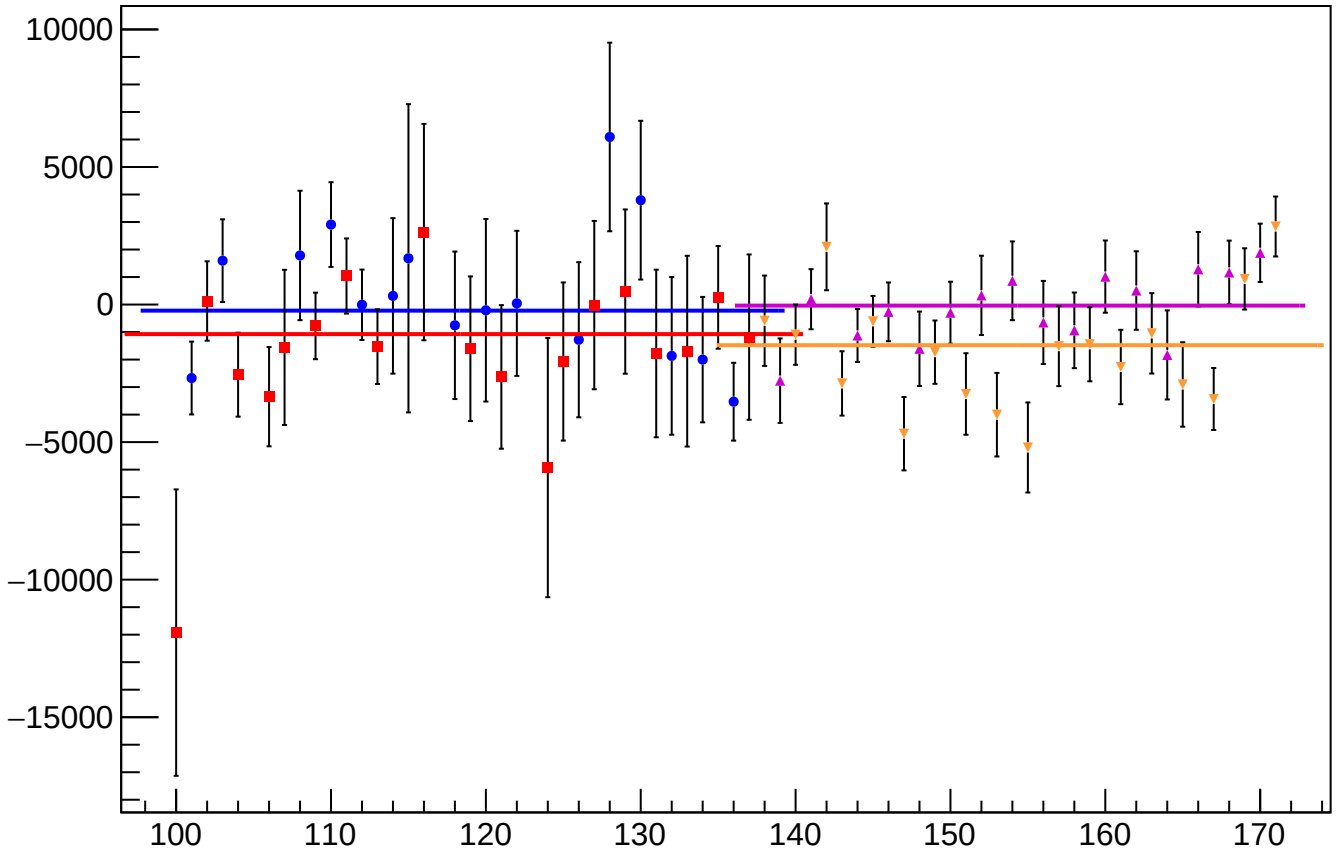
Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.084+/-0.031 χ^2/NDF:190609.6/15

+ sign 155.450+/-0.024 χ^2/NDF: 813099.3/33

All: 154.565+/-0.017 χ^2/NDF: 1607713.3/68

- sign 153.661+/-0.024 χ^2/NDF: 791889.6/34



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1477.610+/-301.578 χ^2/NDF:47.8/17

Right Out: -1074.432+/-472.816 χ^2/NDF: 13.6/18

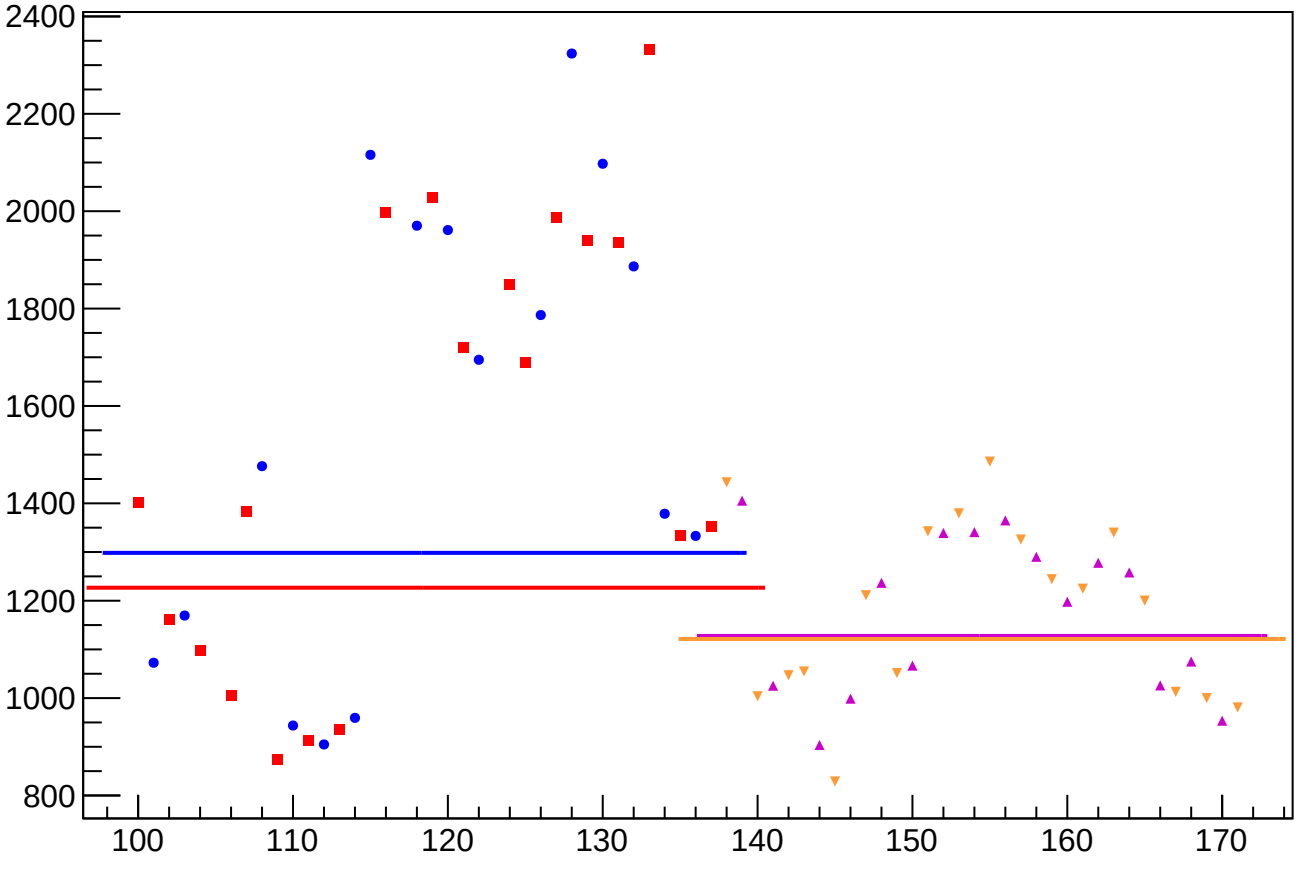
Left In: -38.440+/-314.230 χ^2/NDF:14.3/15

+ sign -1148.493+/-259.083 χ^2/NDF: 74.2/33

All: -756.154+/-184.120 χ^2/NDF: 110.0/68

- sign -355.833+/-261.705 χ^2/NDF: 31.2/34

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1121.404+/-0.213 χ^2/NDF:723355.5/17

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

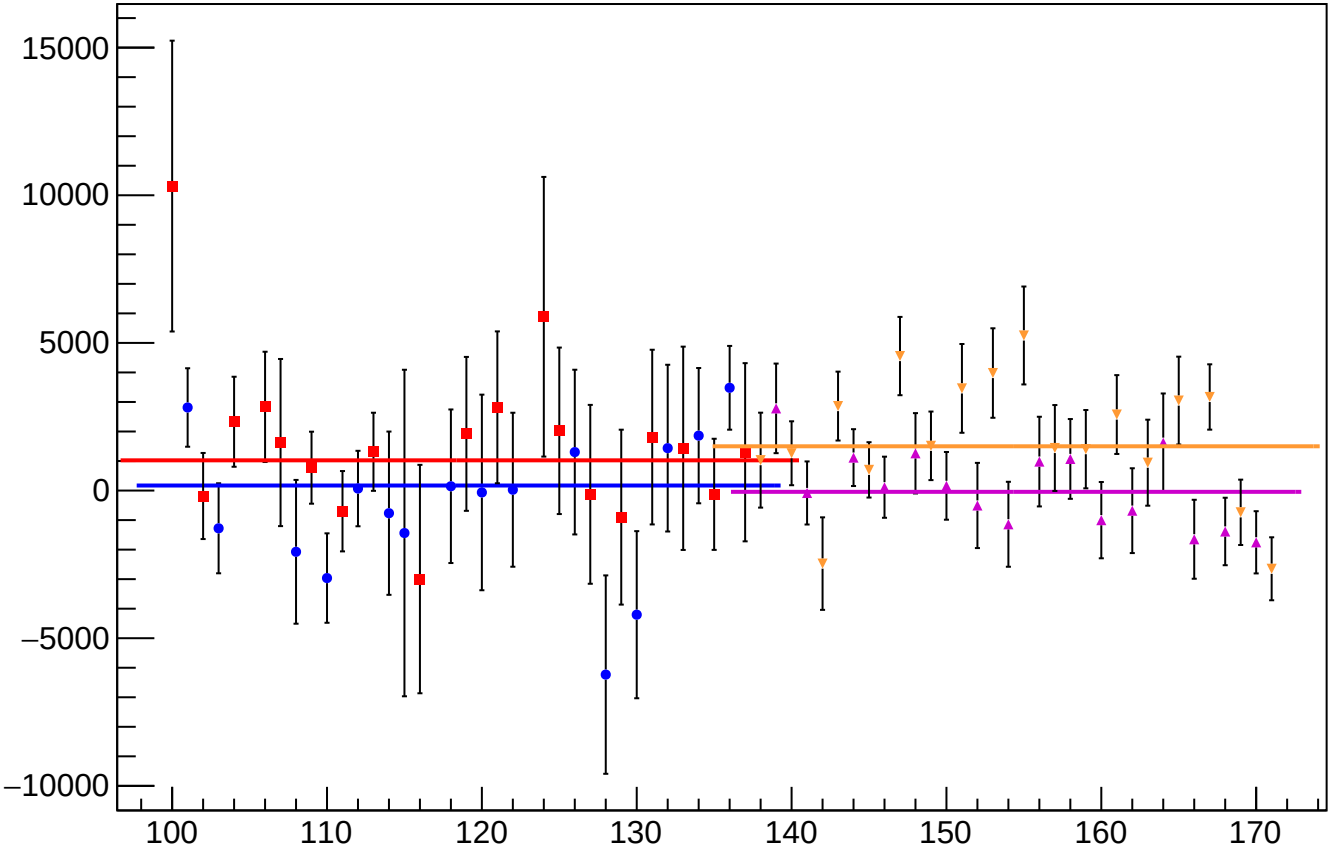
Left In: 1127.616+/-0.222 χ^2/NDF:514545.5/15

+ sign 1167.741+/-0.183 χ^2/NDF: 2085726.5/33

All: 1162.910+/-0.130 χ^2/NDF: 4067158.9/68

- sign 1157.980+/-0.185 χ^2/NDF: 1980027.3/34

asym_sam_48_avg_mean vs Slug



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1499.398+/-299.956 χ^2/NDF:46.9/17

Right Out: 1023.699+/-472.008 χ^2/NDF: 11.6/18

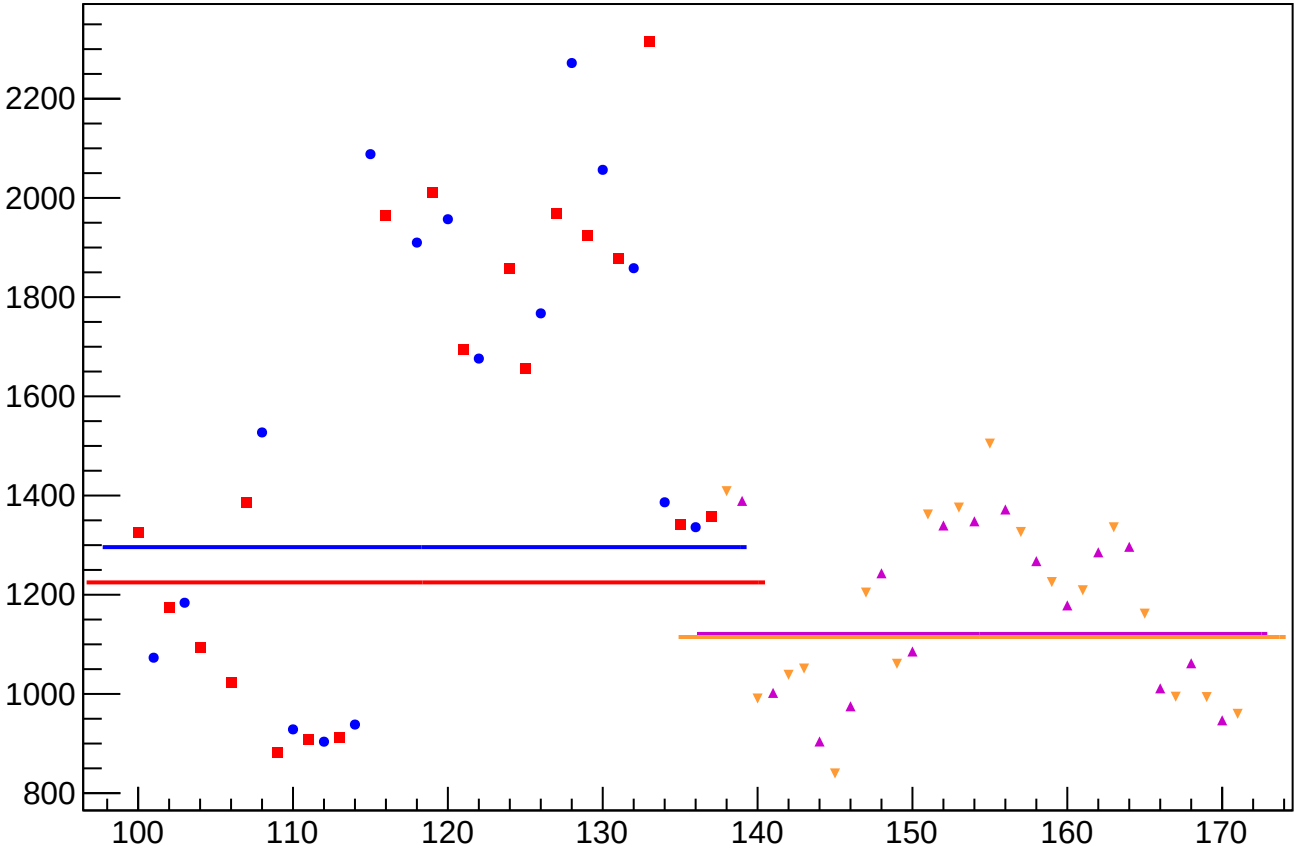
Left In: -43.035+/-312.487 χ^2/NDF:14.9/15

+ sign 1153.112+/-257.911 χ^2/NDF: 74.5/33

All: 722.023+/-183.300 χ^2/NDF: 110.2/68

- sign 282.032+/-260.560 χ^2/NDF: 30.0/34

asym_sam_48_avg_rms vs Slug



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1114.802+/-0.212 χ^2/NDF:717773.6/17

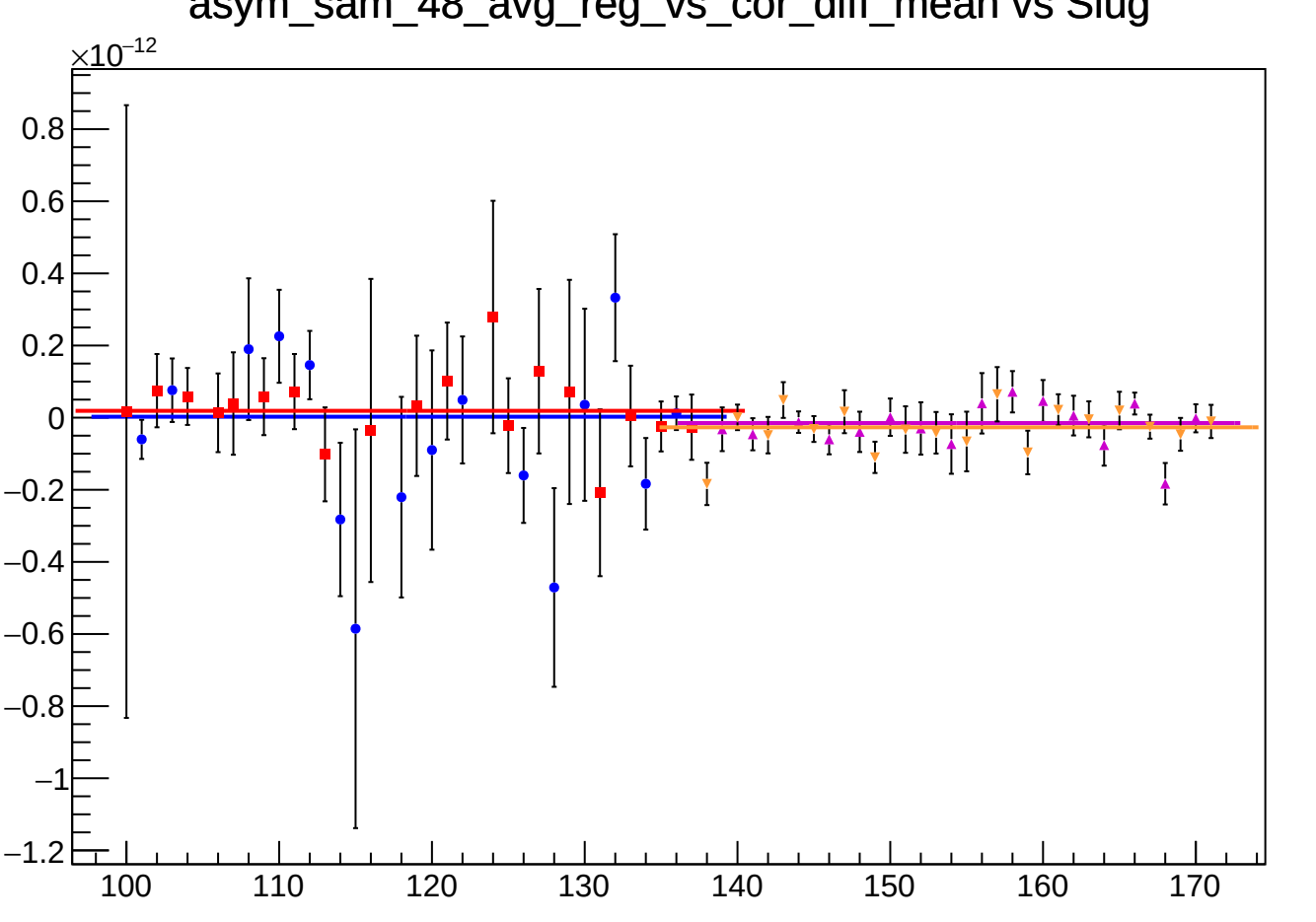
Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1120.948+/-0.221 χ^2/NDF:546470.5/15

+ sign 1162.035+/-0.182 χ^2/NDF: 2062191.8/33

All: 1157.374+/-0.130 χ^2/NDF: 4048675.6/68

- sign 1152.617+/-0.184 χ^2/NDF: 1985163.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4.7/18

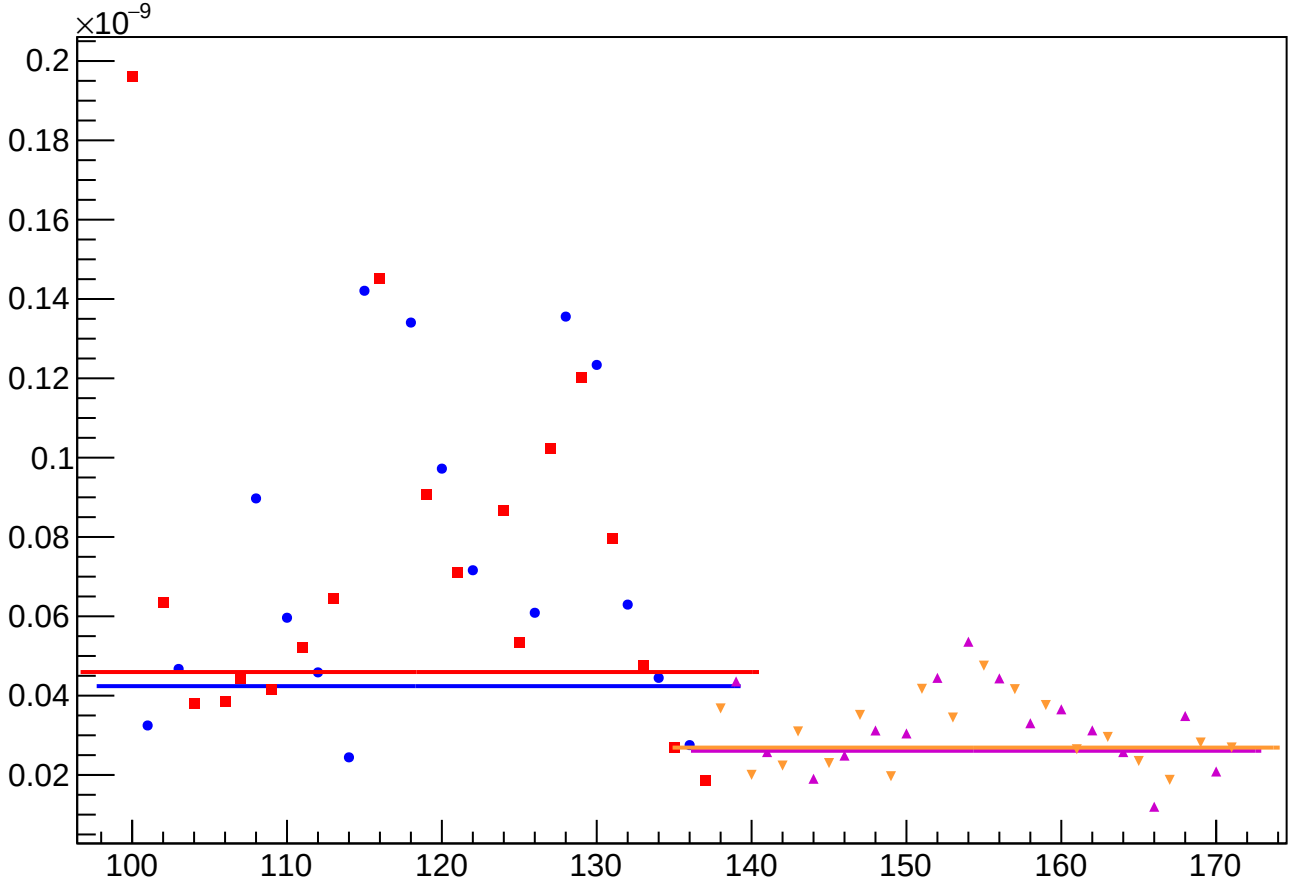
Left In: -0.000+/-0.000 χ^2/NDF:19.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/33

All: -0.000+/-0.000 χ^2/NDF: 69.5/68

- sign -0.000+/-0.000 χ^2/NDF: 25.5/34

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:819542.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

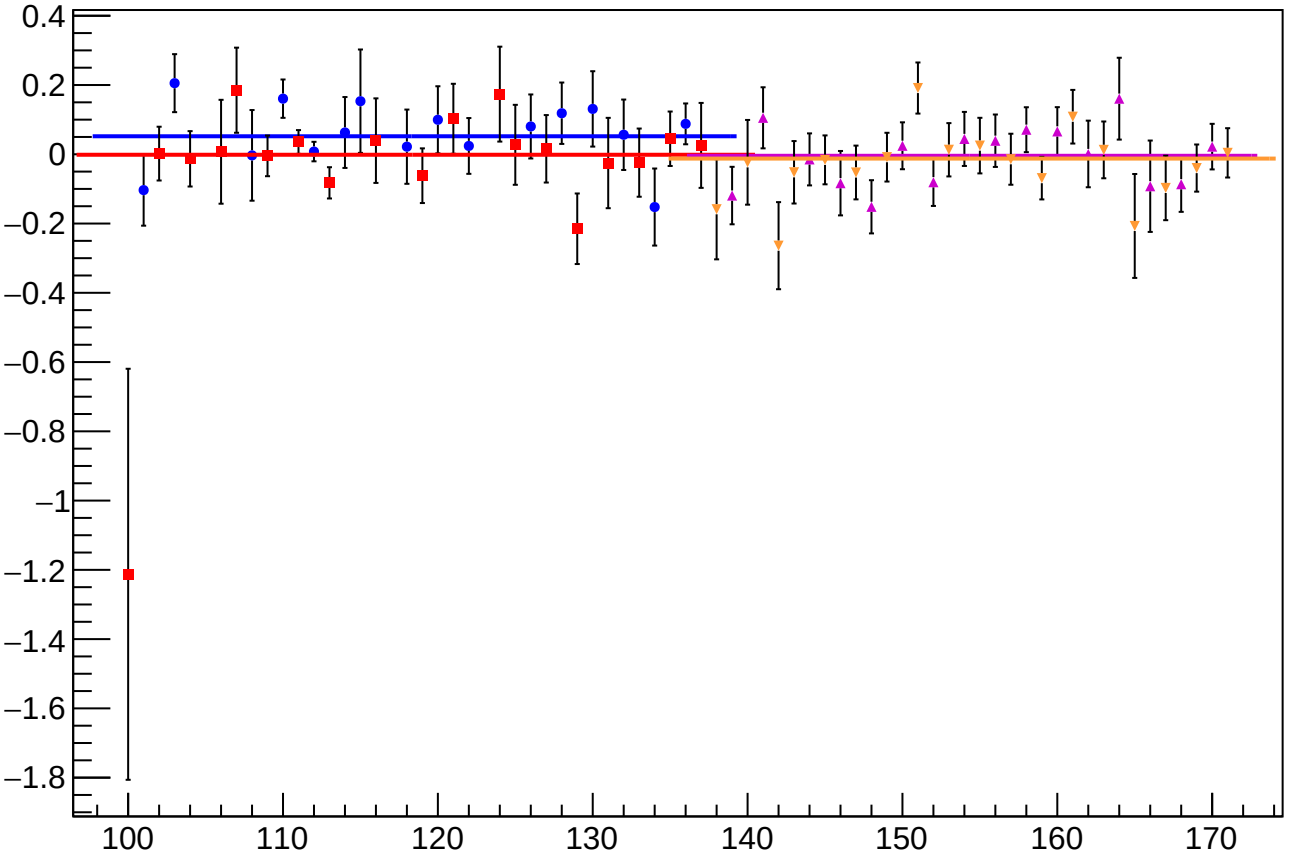
Left In: 0.000+/-0.000 χ^2/NDF:1384488.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 2726920.8/33

All: 0.000+/-0.000 χ^2/NDF: 6036362.4/68

- sign 0.000+/-0.000 χ^2/NDF: 3309001.8/34

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: -0.012+/-0.019 χ^2/NDF:19.6/17

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

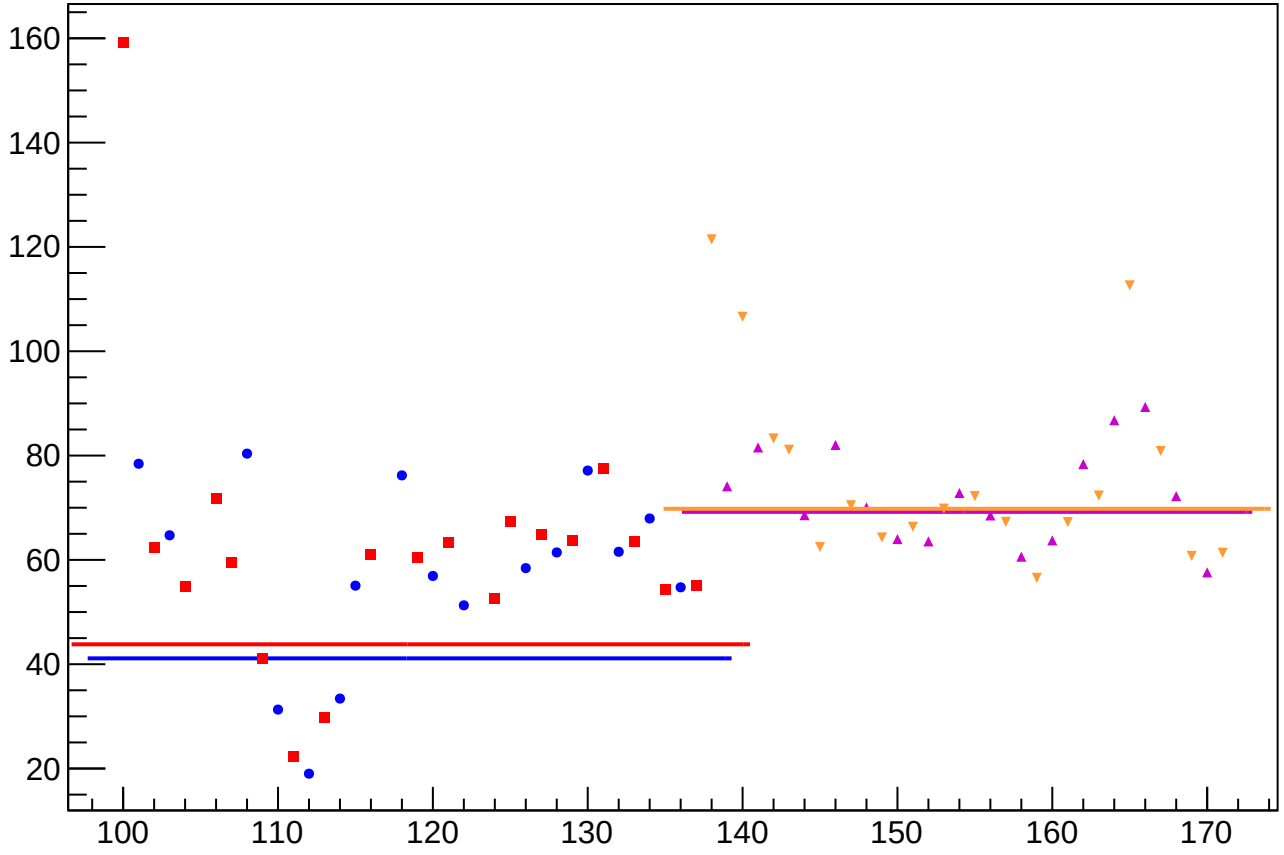
Left In: -0.004+/-0.020 χ^2/NDF:16.0/15

+ sign 0.022+/-0.013 χ^2/NDF: 43.6/33

All: 0.010+/-0.009 χ^2/NDF: 80.7/68

- sign -0.003+/-0.013 χ^2/NDF: 35.3/34

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: 69.799+/-0.014 χ^2/NDF:884437.6/17

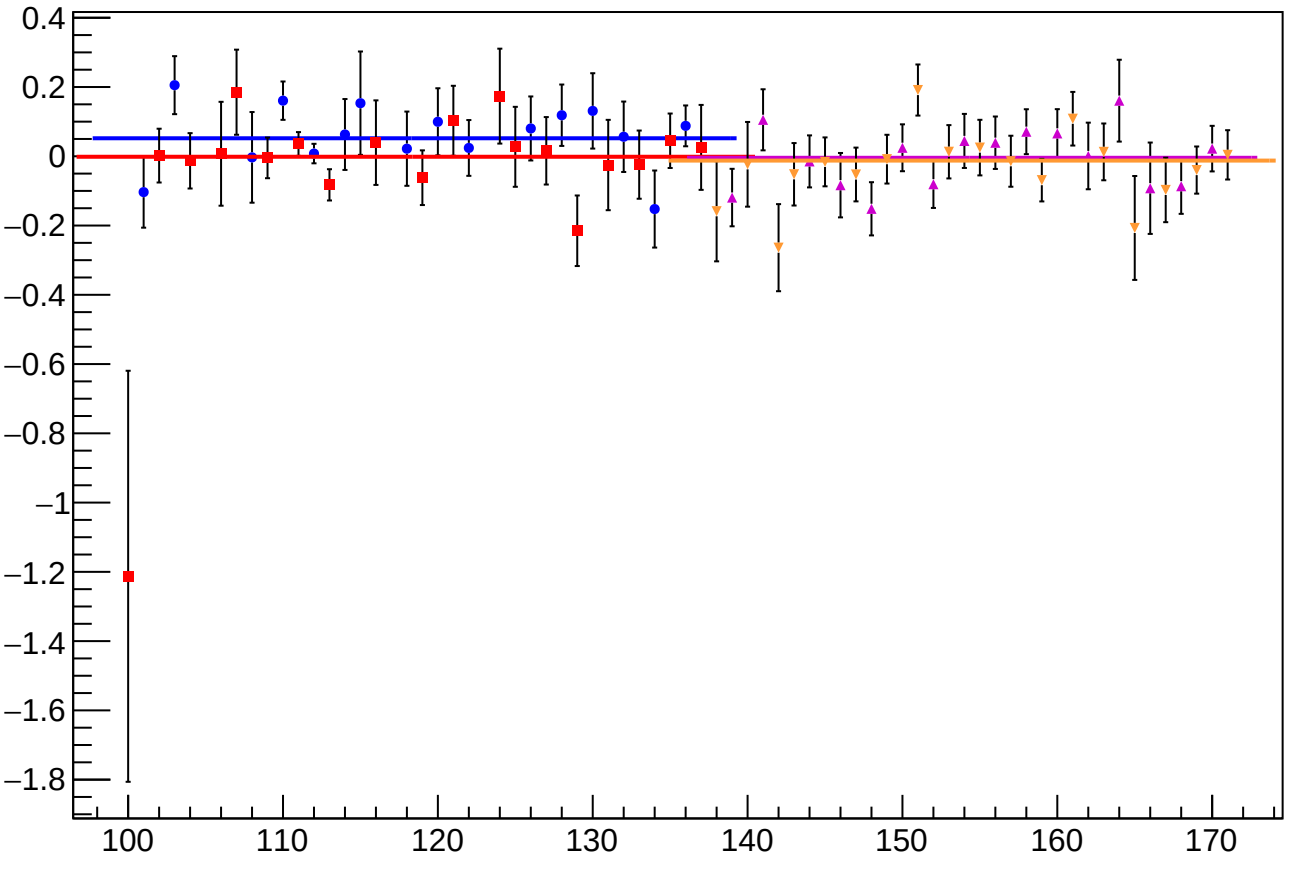
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.204+/-0.014 χ^2/NDF:335707.3/15

+ sign 54.359+/-0.009 χ^2/NDF: 6213920.0/33

All: 54.824+/-0.007 χ^2/NDF: 10419040.4/68

- sign 55.305+/-0.009 χ^2/NDF: 4199943.6/34



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

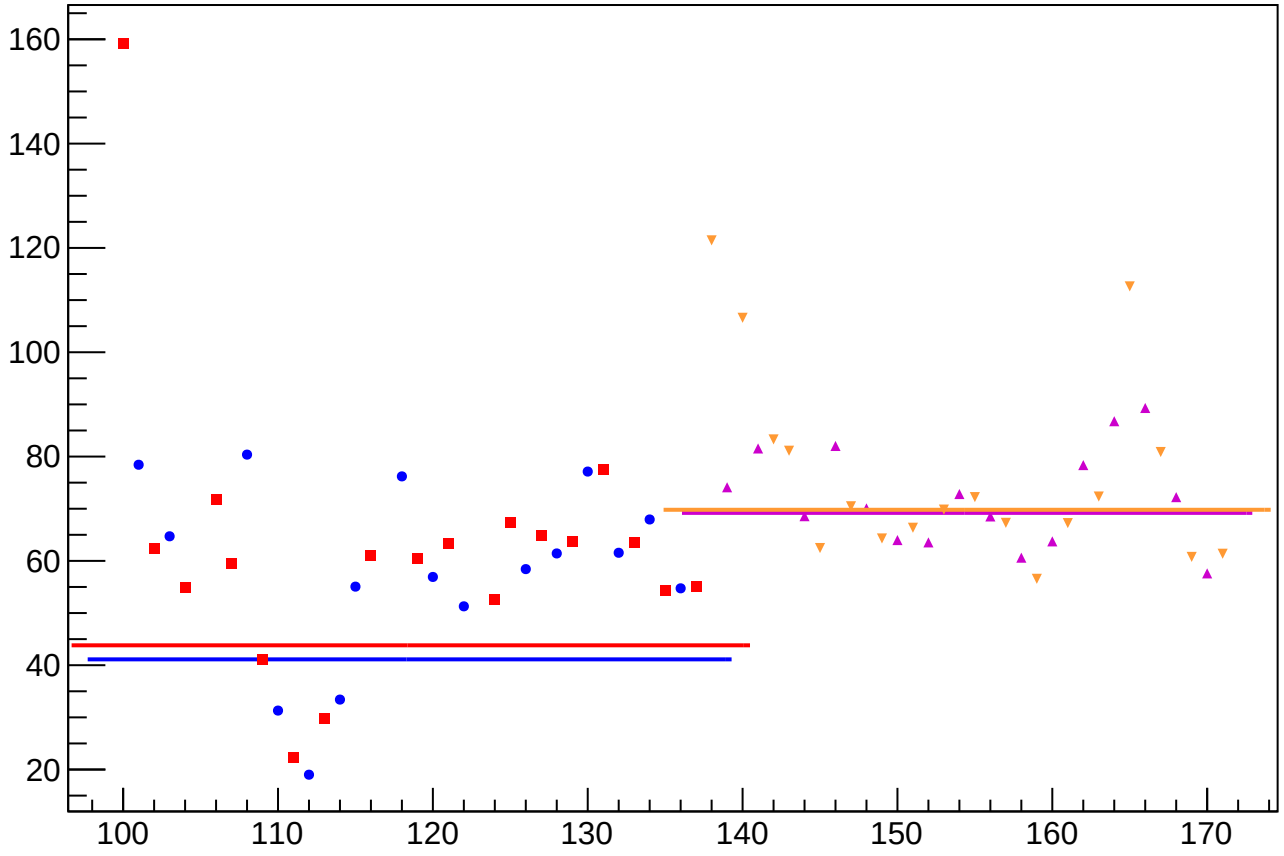
Left In: -0.004+/-0.020 χ^2/NDF:16.0/15

+ sign 0.022+/-0.013 χ^2/NDF: 43.6/33

All: 0.010+/-0.009 χ^2/NDF: 80.7/68

- sign -0.003+/-0.013 χ^2/NDF: 35.3/34

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.799+/-0.014 χ^2/NDF:884437.6/17

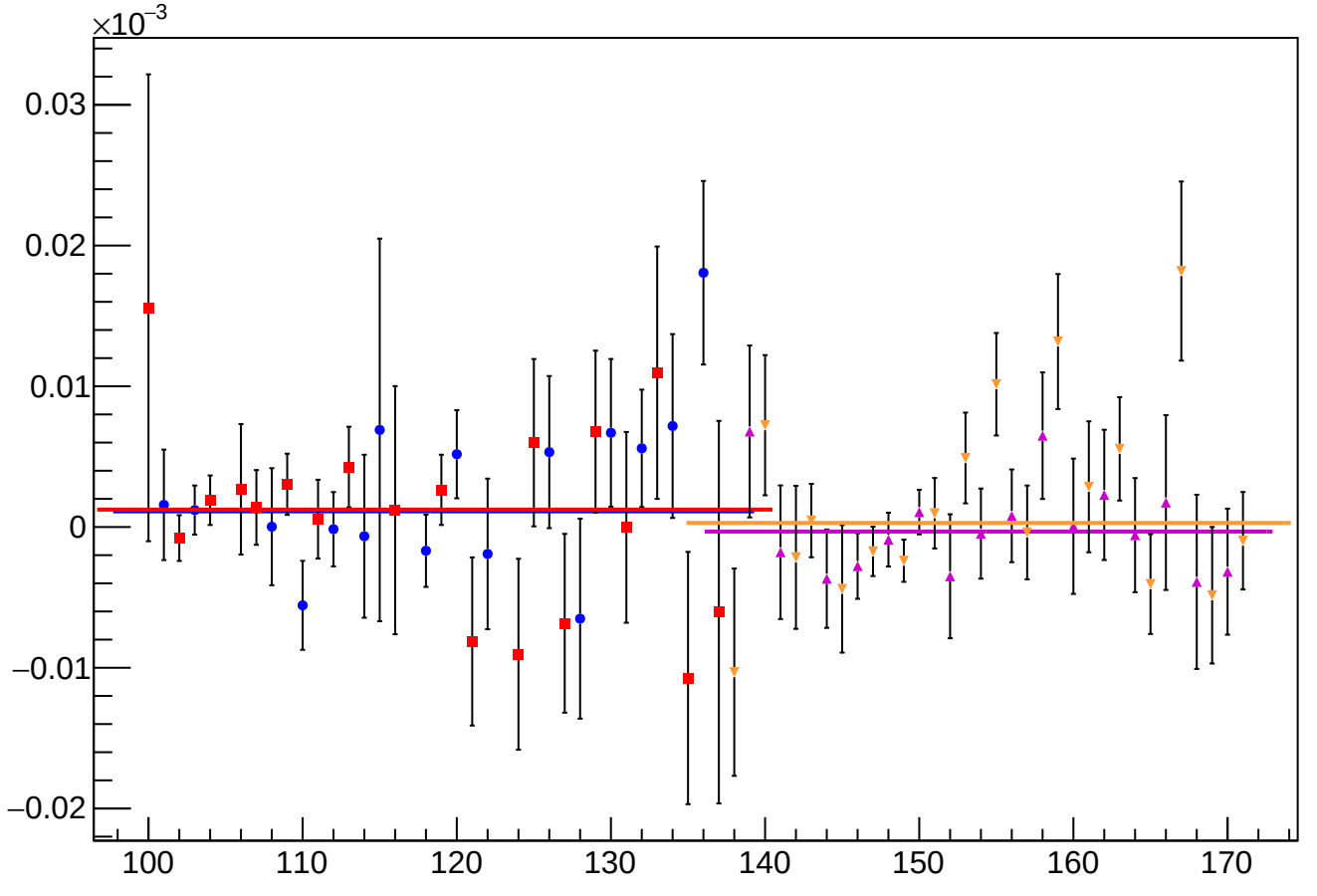
Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.204+/-0.014 χ^2/NDF:335707.3/15

+ sign 54.359+/-0.009 χ^2/NDF: 6213920.0/33

All: 54.824+/-0.007 χ^2/NDF: 10419040.4/68

- sign 55.305+/-0.009 χ^2/NDF: 4199943.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.6/17

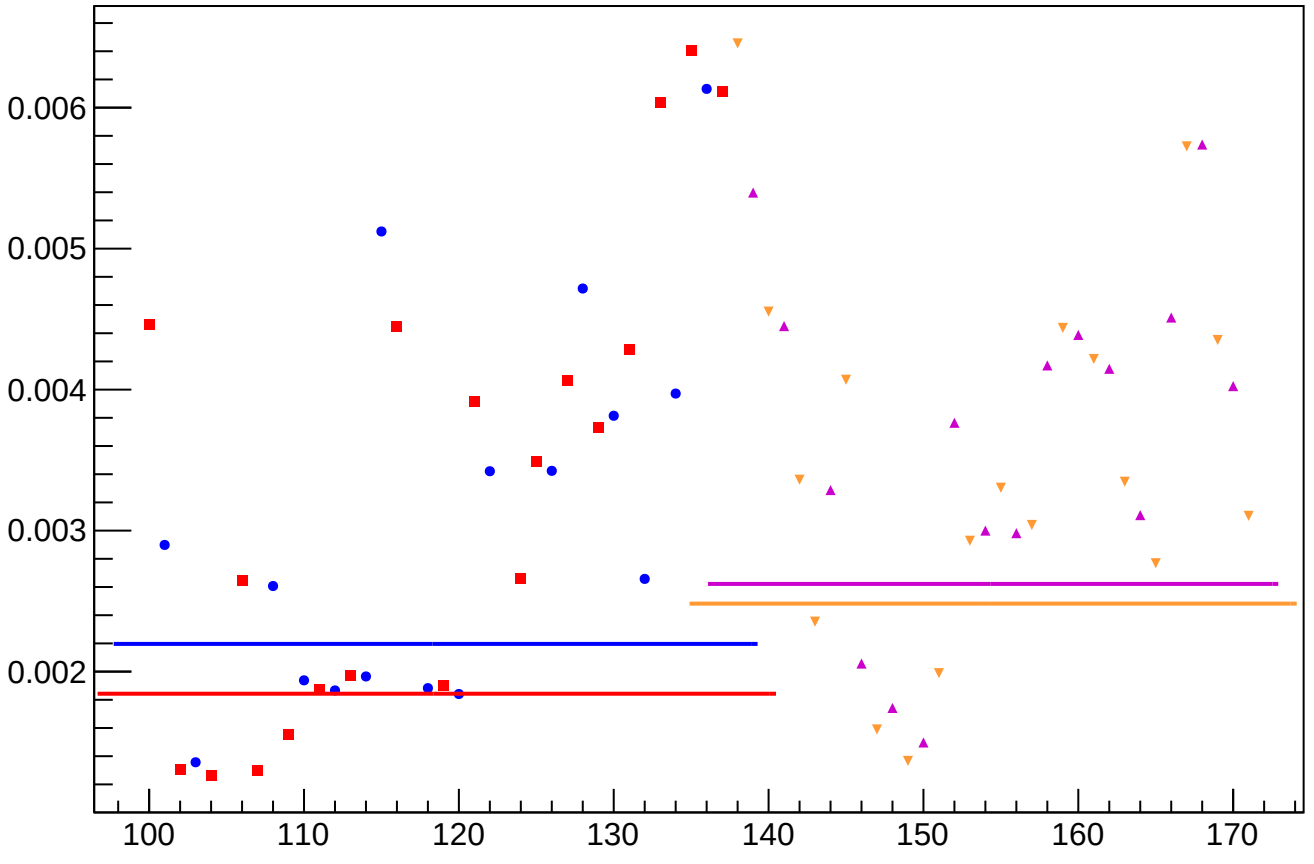
Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/33

All: 0.000+/-0.000 χ^2/NDF: 86.4/68

- sign 0.000+/-0.000 χ^2/NDF: 26.4/34



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4759249.7/17

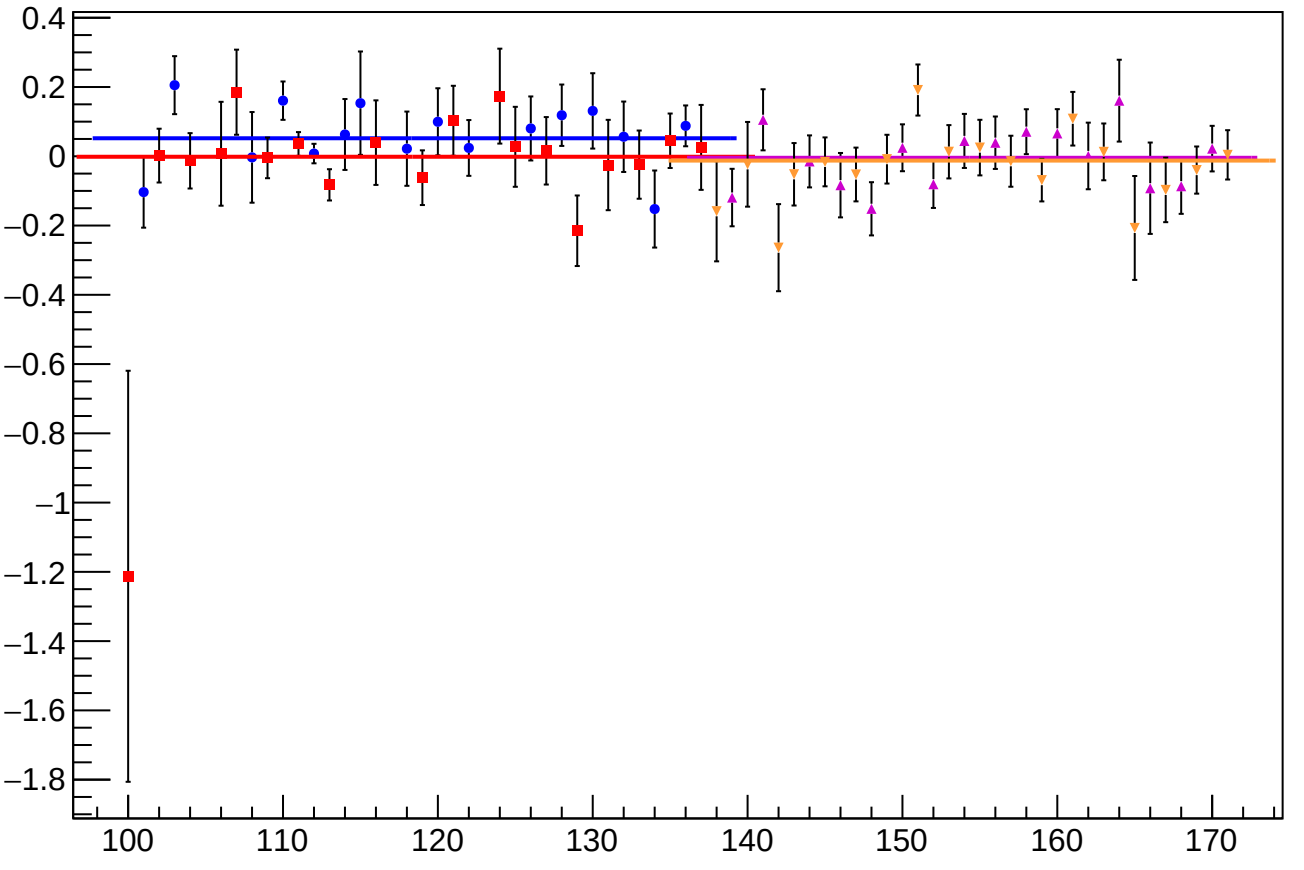
Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4161932.4/15

+ sign 0.002+/-0.000 χ^2/NDF: 7172627.3/33

All: 0.002+/-0.000 χ^2/NDF: 15538522.7/68

- sign 0.002+/-0.000 χ^2/NDF: 8287906.9/34



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

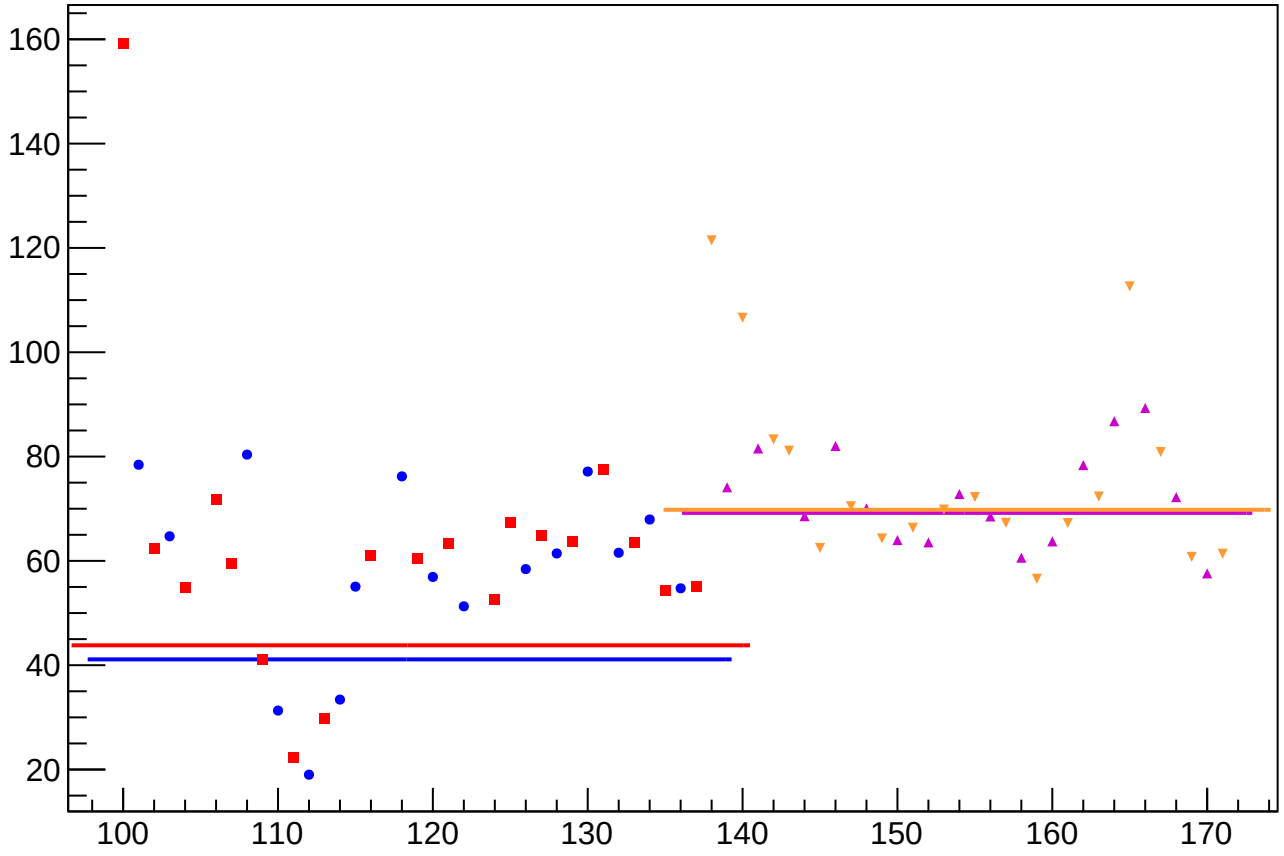
Left In: -0.004+/-0.020 χ^2/NDF:16.0/15

+ sign 0.022+/-0.013 χ^2/NDF: 43.6/33

All: 0.010+/-0.009 χ^2/NDF: 80.7/68

- sign -0.003+/-0.013 χ^2/NDF: 35.3/34

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: 69.799+/-0.014 χ^2/NDF:884418.1/17

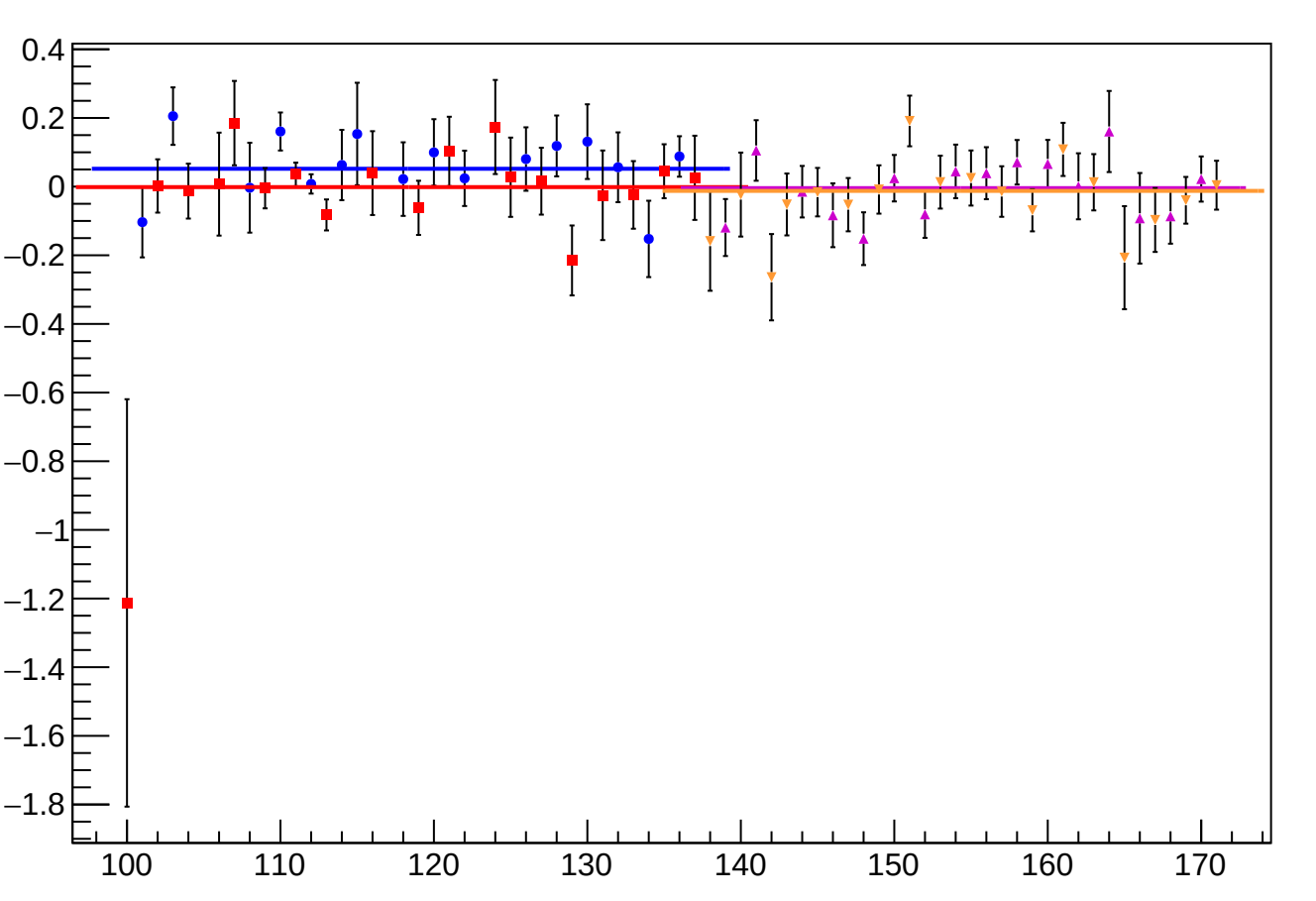
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.205+/-0.014 χ^2/NDF:335706.3/15

+ sign 54.359+/-0.009 χ^2/NDF: 6214332.2/33

All: 54.824+/-0.007 χ^2/NDF: 10419844.3/68

- sign 55.305+/-0.009 χ^2/NDF: 4200334.7/34



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

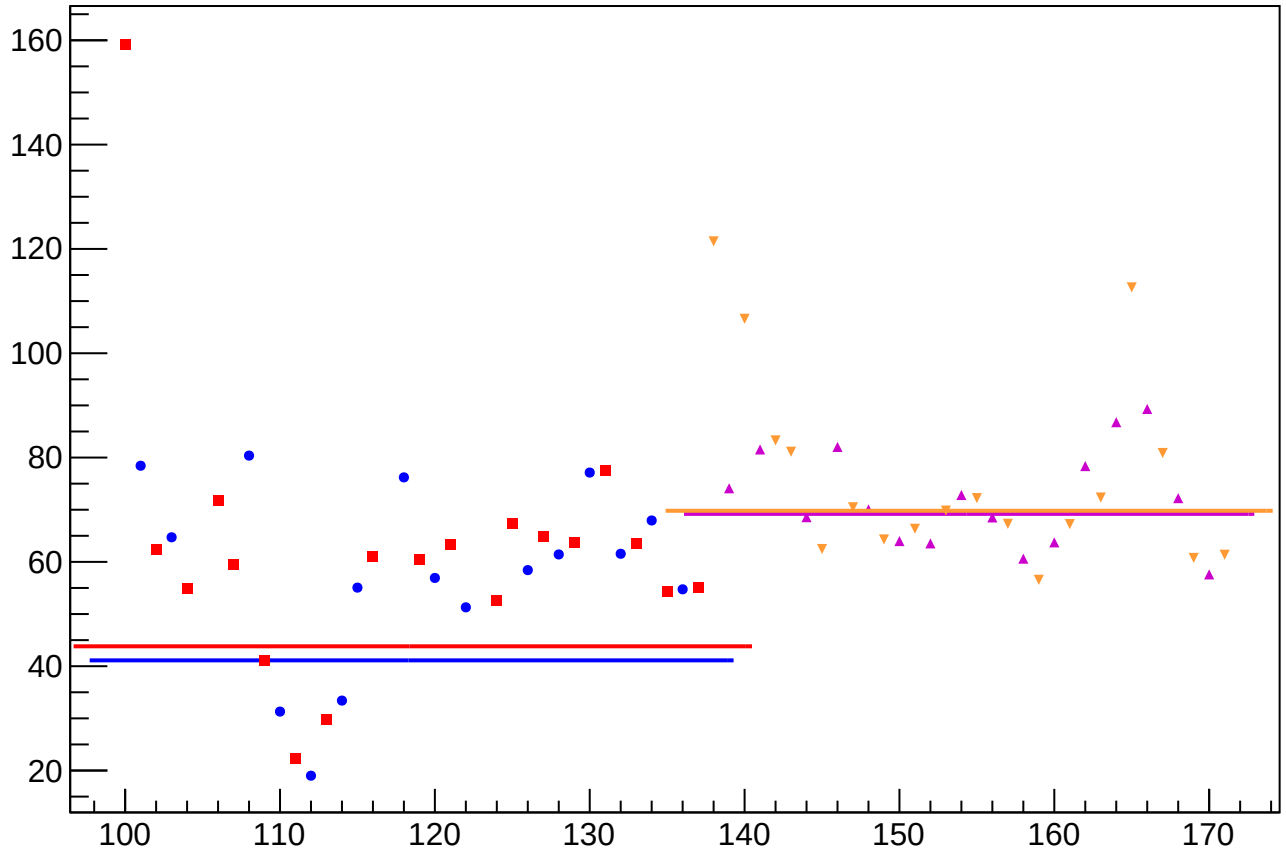
Right Out: -0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.004+/-0.020 χ^2/NDF:16.0/15

+ sign 0.022+/-0.013 χ^2/NDF: 43.6/33

All: 0.010+/-0.009 χ^2/NDF: 80.7/68

- sign -0.003+/-0.013 χ^2/NDF: 35.3/34



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 69.799+/-0.014 χ^2/NDF:884418.1/17

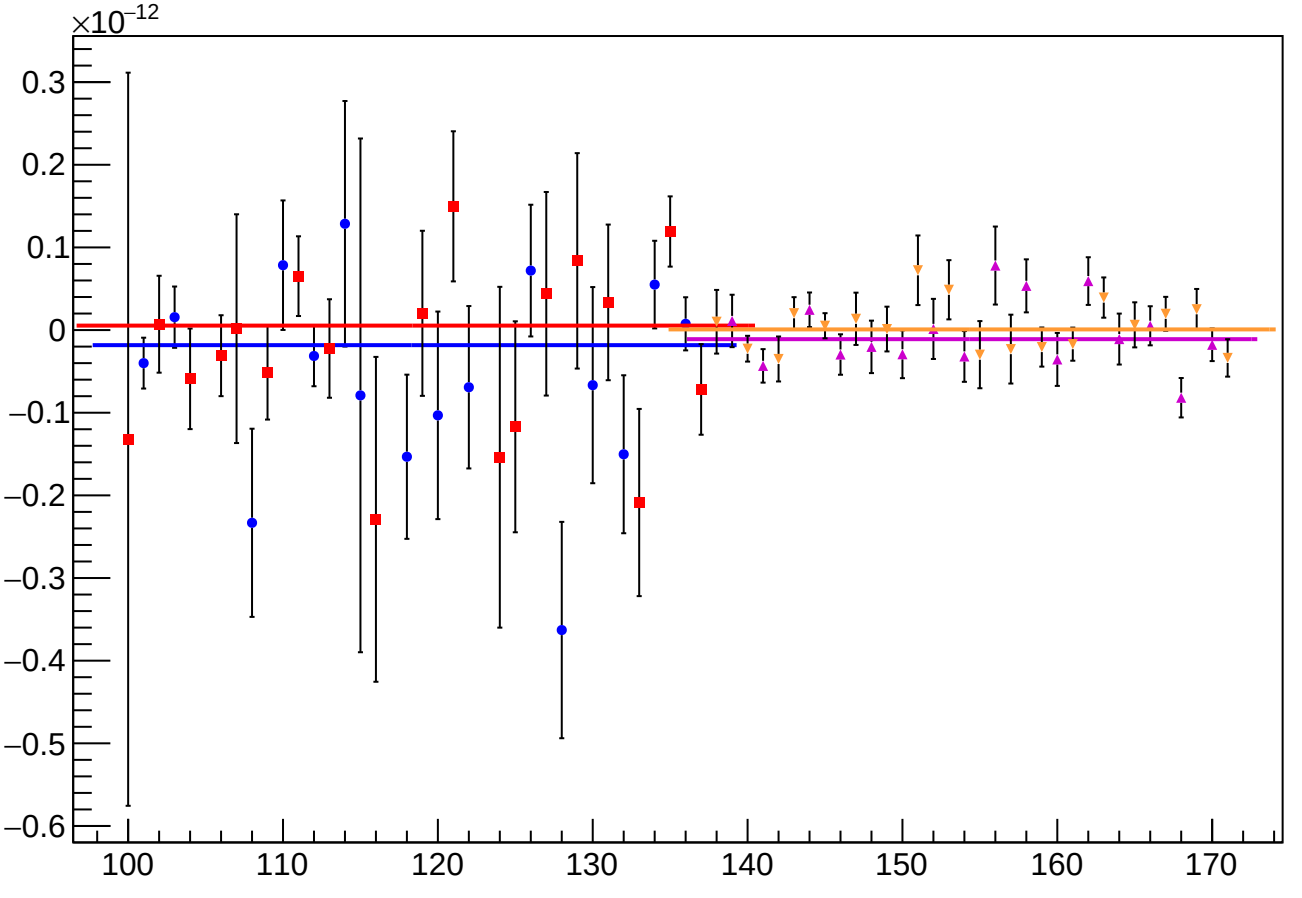
Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.205+/-0.014 χ^2/NDF:335706.3/15

+ sign 54.359+/-0.009 χ^2/NDF: 6214332.2/33

All: 54.824+/-0.007 χ^2/NDF: 10419844.3/68

- sign 55.305+/-0.009 χ^2/NDF: 4200334.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/17

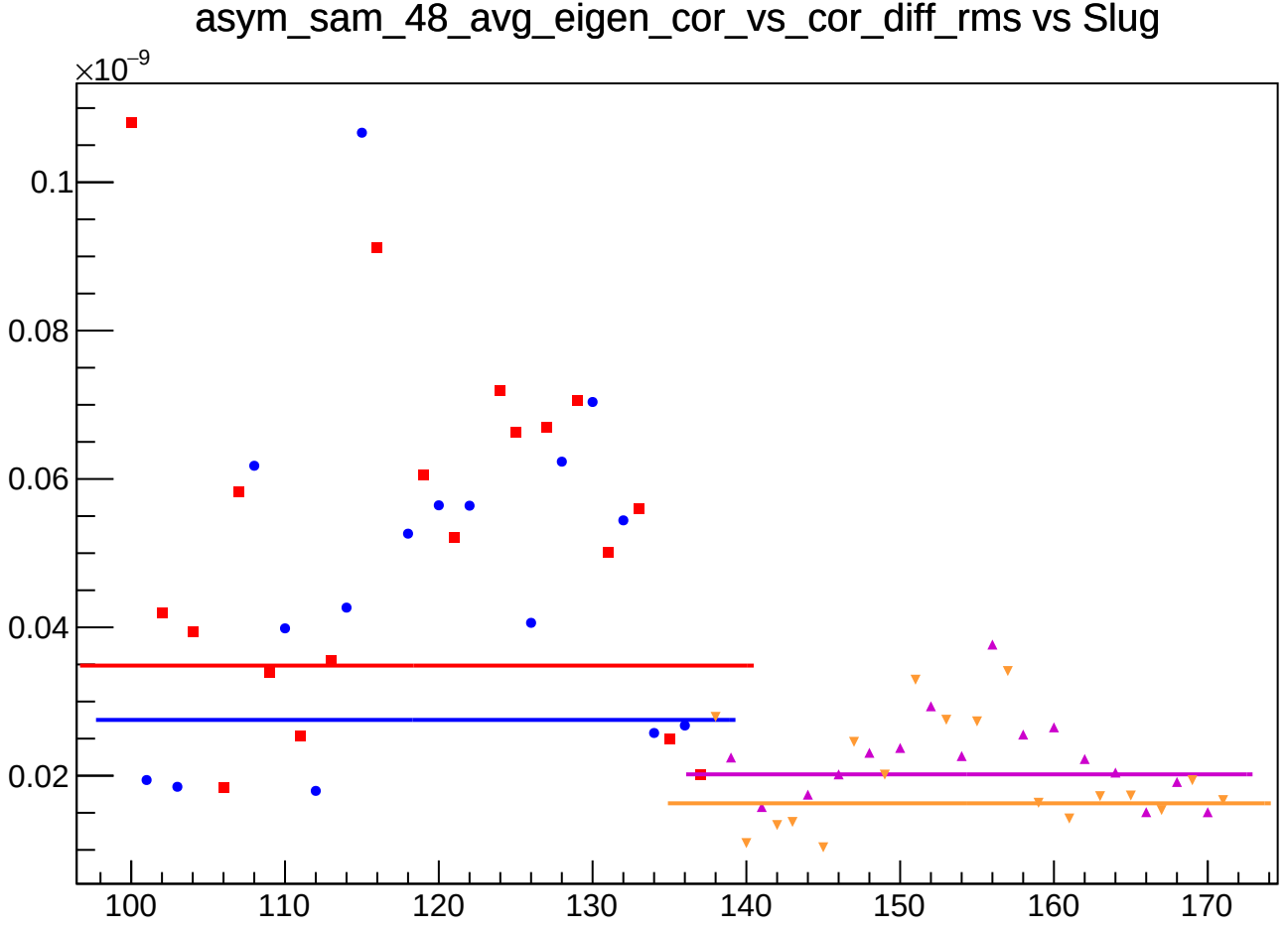
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: -0.000+/-0.000 χ^2/NDF:31.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/33

All: -0.000+/-0.000 χ^2/NDF: 99.6/68

- sign -0.000+/-0.000 χ^2/NDF: 55.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2047381.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

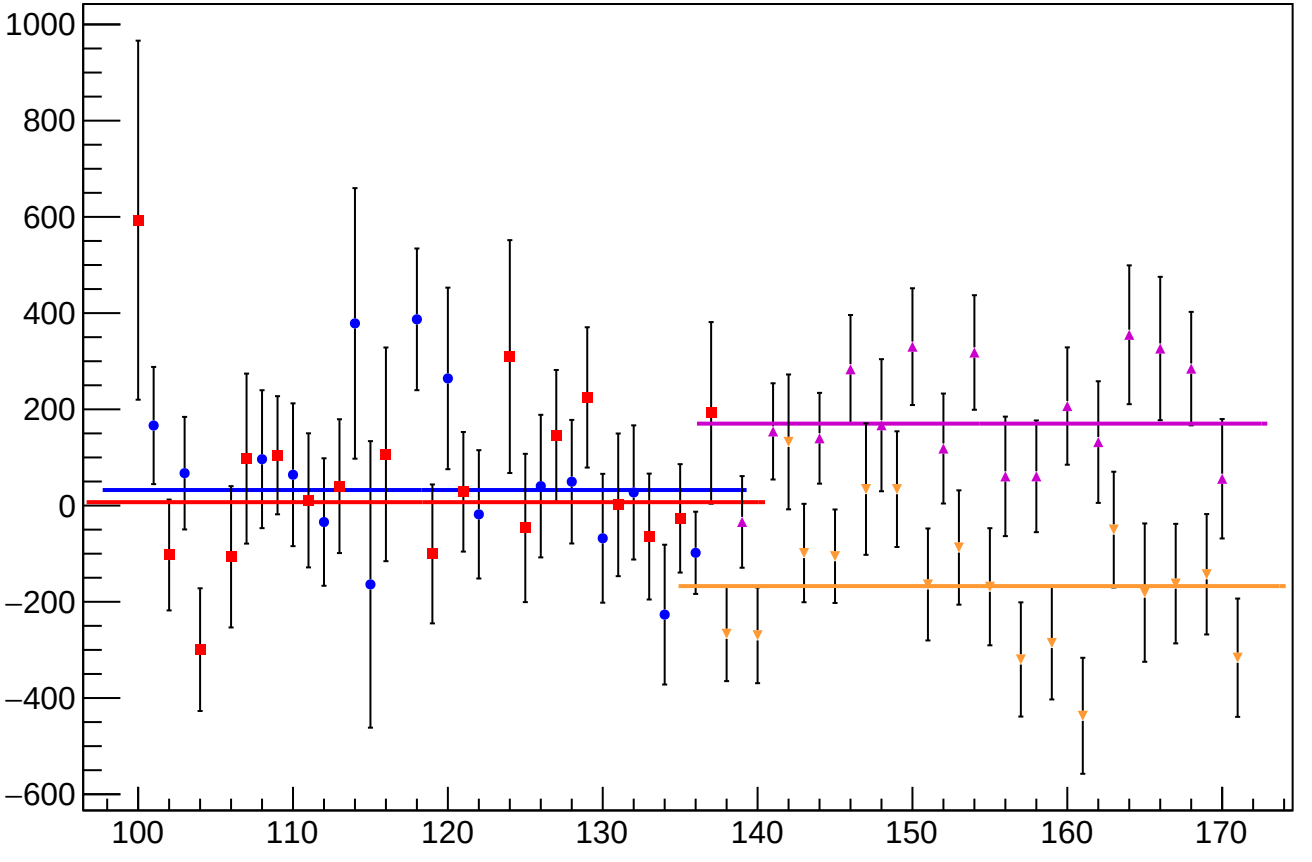
Left In: 0.000+/-0.000 χ^2/NDF:975965.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 4901958.7/33

All: 0.000+/-0.000 χ^2/NDF: 9477844.1/68

- sign 0.000+/-0.000 χ^2/NDF: 3980893.0/34

reg_asym_sam_15_dd_mean vs Slug



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.389+/-27.562 χ^2/NDF:23.1/17

Right Out: 7.070+/-33.420 χ^2/NDF: 17.8/18

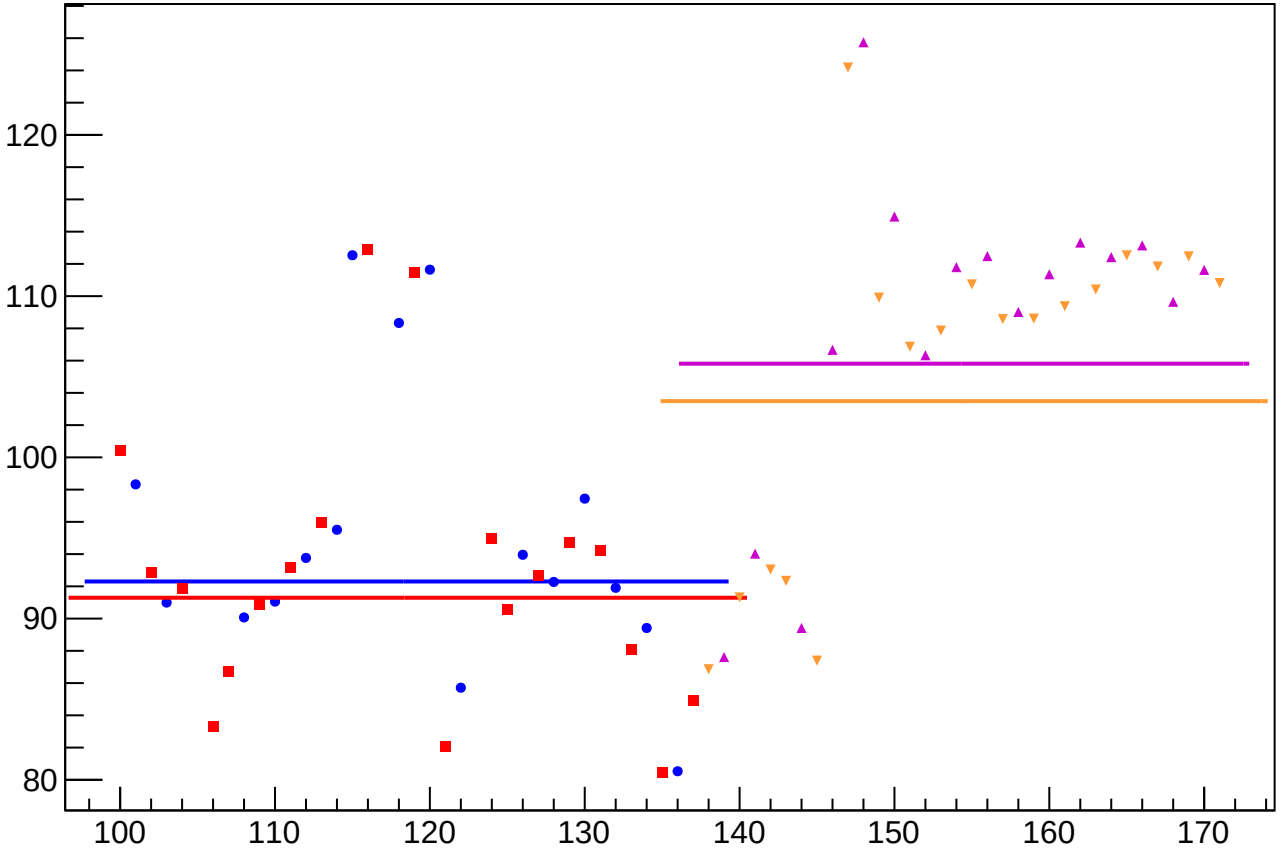
Left In: 170.309+/-29.259 χ^2/NDF:15.6/15

\+ sign -89.399+/-21.516 χ^2/NDF: 60.9/33

All: 2.879+/-15.387 χ^2/NDF: 145.4/68

\- sign 99.478+/-22.014 χ^2/NDF: 46.9/34

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

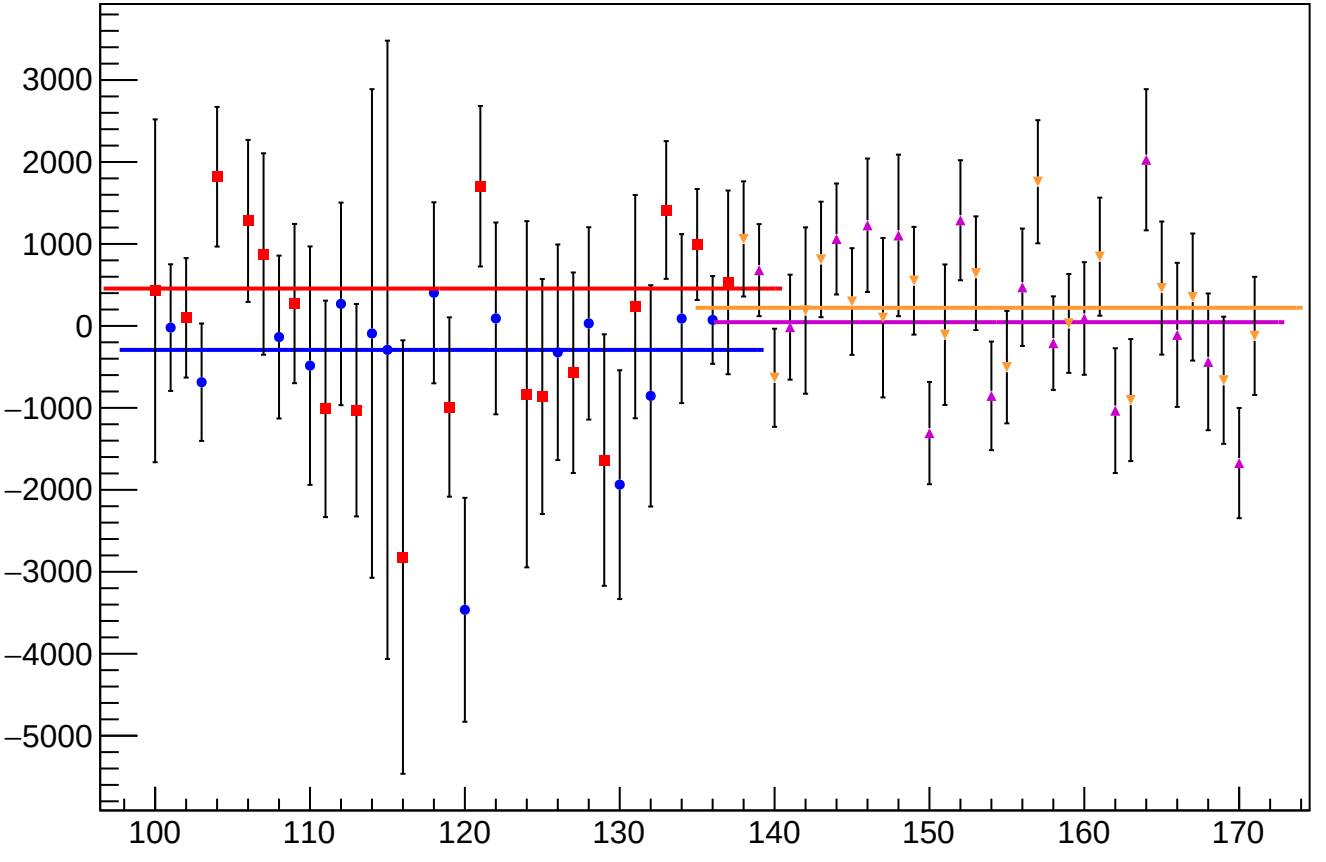
Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

+ sign 99.120+/-0.015 χ^2/NDF: 528846.9/33

All: 99.311+/-0.011 χ^2/NDF: 1101785.0/68

- sign 99.512+/-0.016 χ^2/NDF: 572613.5/34

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

Right Out: 455.830+/-248.717 χ^2/NDF: 16.9/18

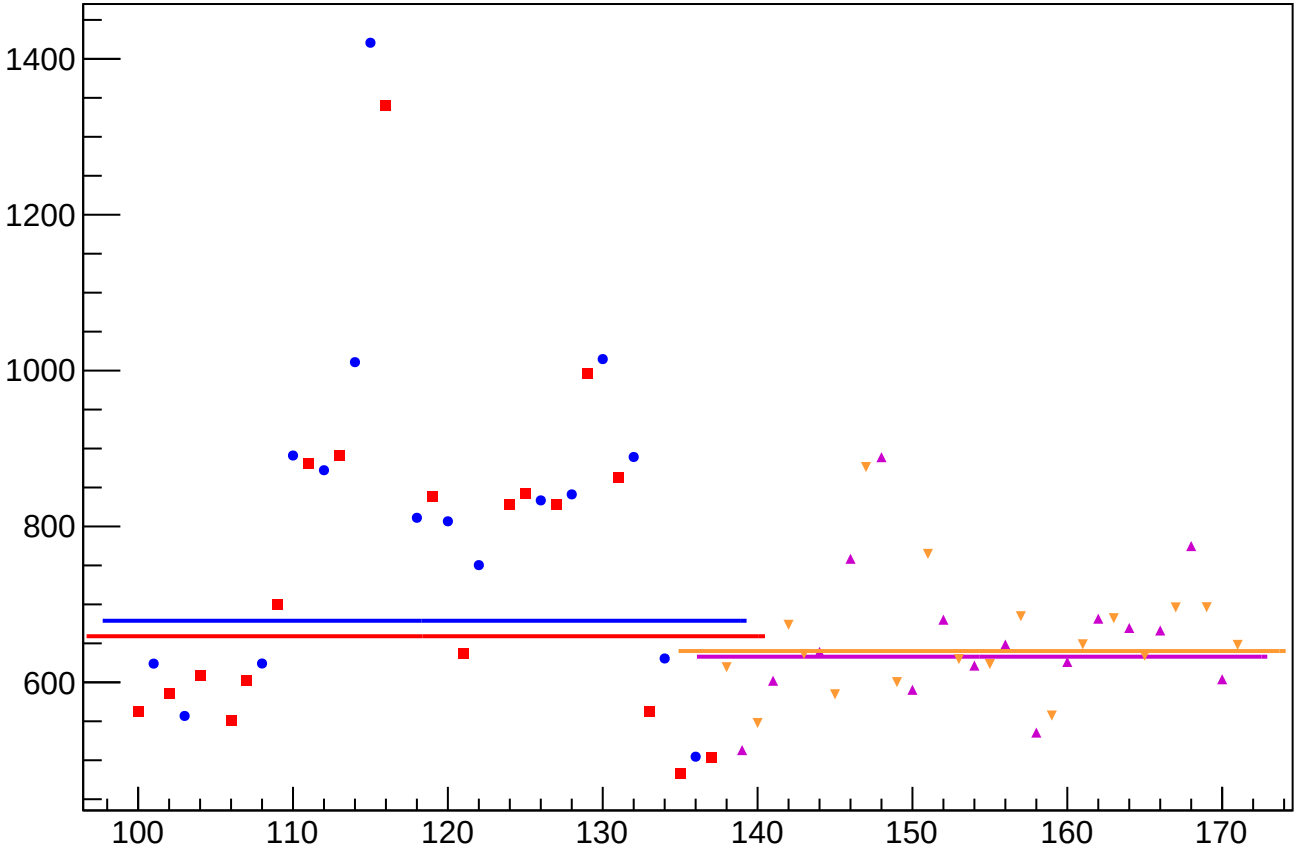
Left In: 45.671+/-176.229 χ^2/NDF:31.0/15

+ sign 65.546+/-142.928 χ^2/NDF: 26.6/33

All: 123.802+/-101.370 χ^2/NDF: 76.6/68

- sign 182.763+/-143.792 χ^2/NDF: 49.7/34

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 640.155+/-0.121 χ^2/NDF:308110.7/17

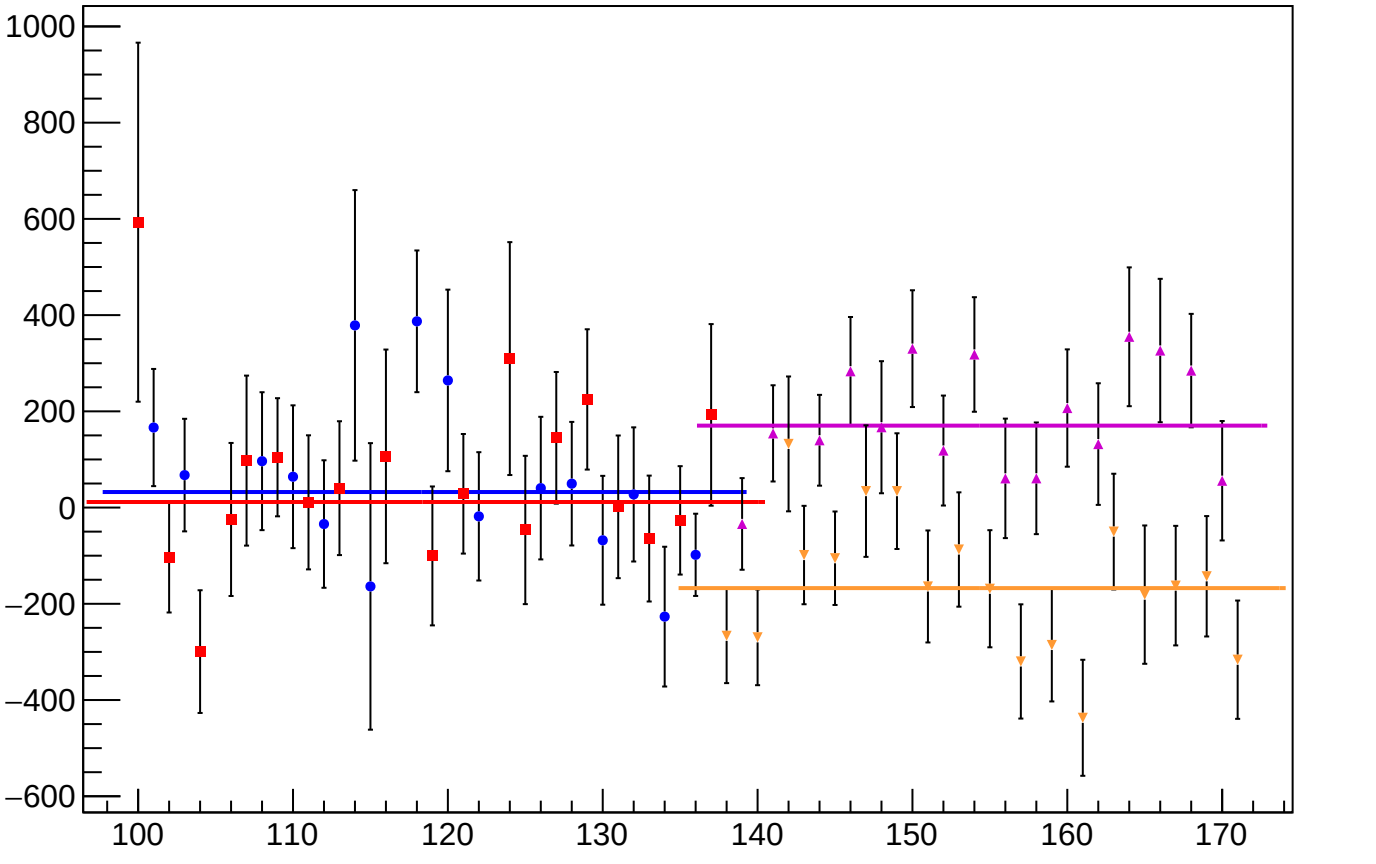
Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 632.885+/-0.125 χ^2/NDF:432648.8/15

\+ sign 651.923+/-0.101 χ^2/NDF: 1107292.9/33

All: 646.821+/-0.072 χ^2/NDF: 2355774.8/68

\- sign 641.659+/-0.102 χ^2/NDF: 1243356.0/34



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.387+/-27.562 χ^2/NDF:23.1/17

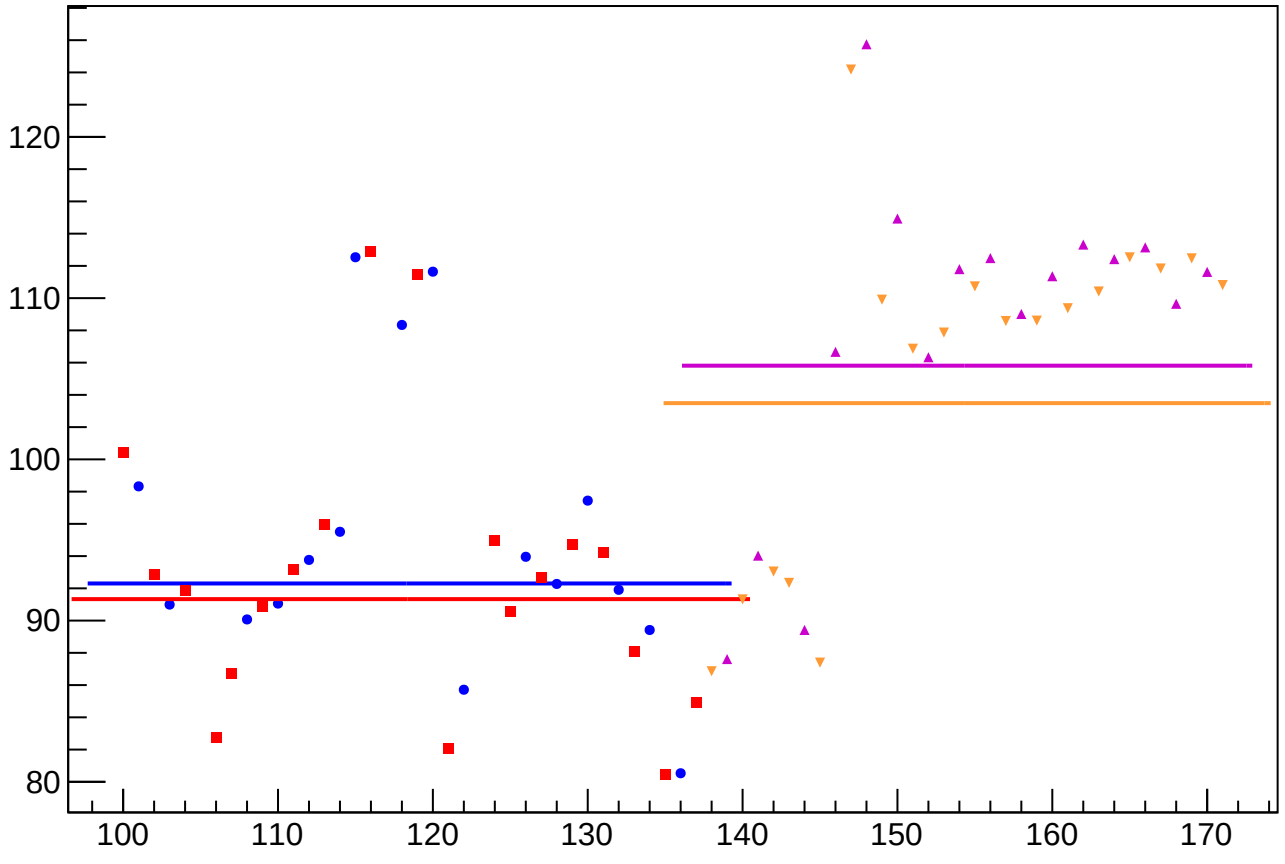
Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: 170.313+/-29.259 χ^2/NDF:15.6/15

+ sign -89.391+/-21.516 χ^2/NDF: 60.9/33

All: 3.826+/-15.400 χ^2/NDF: 144.9/68

- sign 101.734+/-22.051 χ^2/NDF: 45.5/34



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

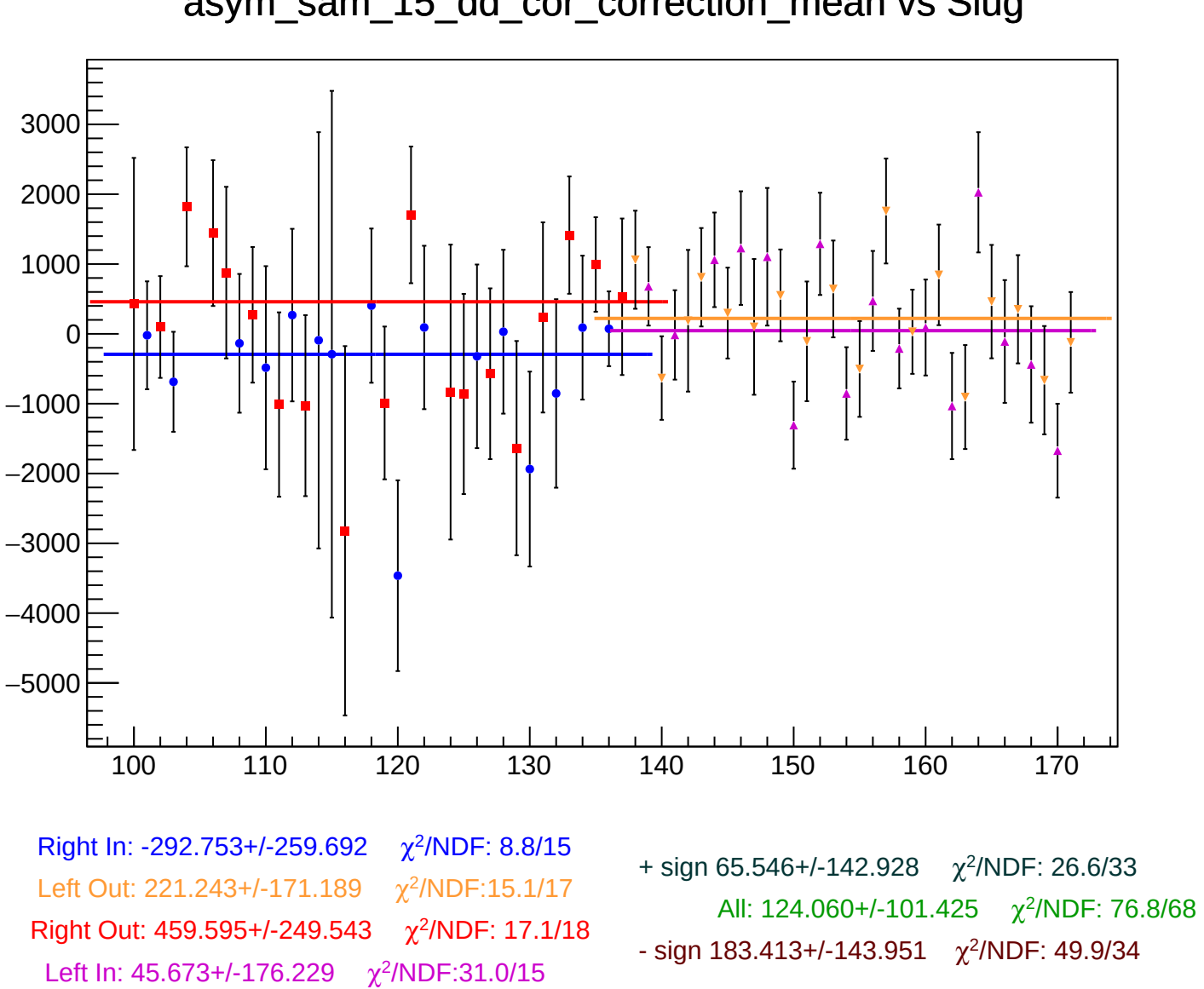
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

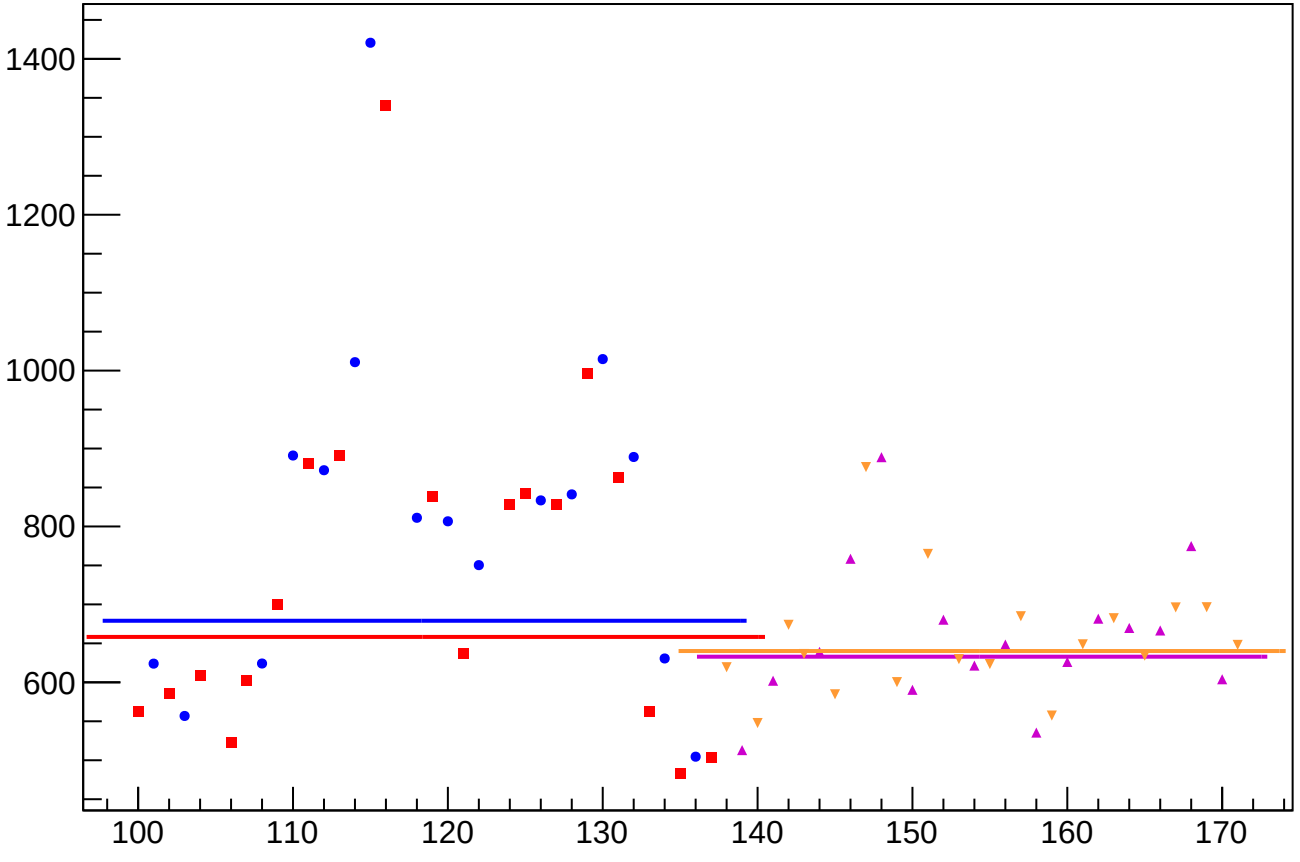
+ sign 99.120+/-0.015 χ^2/NDF: 528846.8/33

All: 99.332+/-0.011 χ^2/NDF: 1099632.3/68

- sign 99.556+/-0.016 χ^2/NDF: 570384.8/34


asym_sam_15_dd_cor_correction_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
100
110
120
130
140
150
160
170
Right In: -292.753+/-259.692 χ²/NDF: 8.8/15
Left Out: 221.243+/-171.189 χ²/NDF:15.1/17
Right Out: 459.595+/-249.543 χ²/NDF: 17.1/18
Left In: 45.673+/-176.229 χ²/NDF:31.0/15
+ sign 65.546+/-142.928 χ²/NDF: 26.6/33
All: 124.060+/-101.425 χ²/NDF: 76.8/68
- sign 183.413+/-143.951 χ²/NDF: 49.9/34

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 640.155+/-0.121 χ^2/NDF:308111.8/17

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

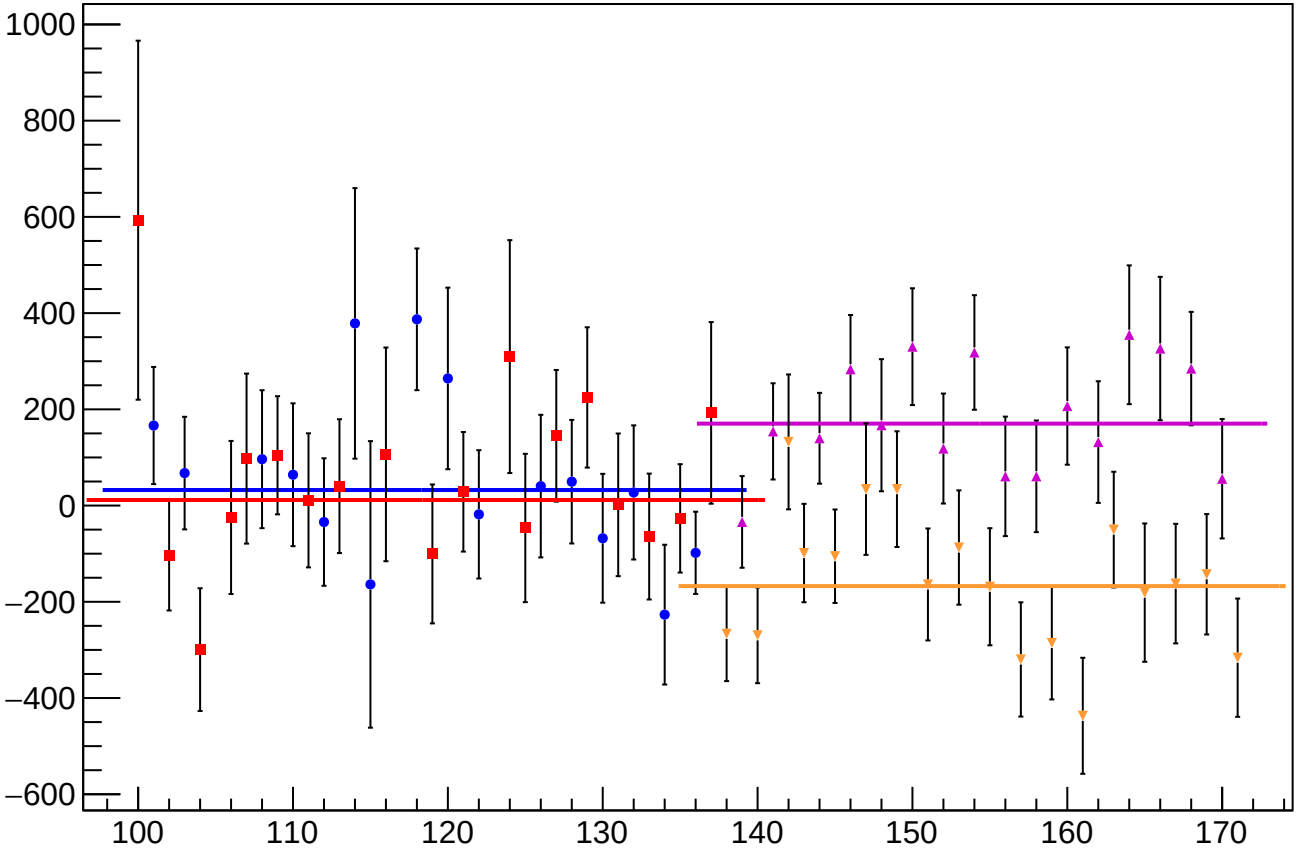
Left In: 632.886+/-0.125 χ^2/NDF:432650.0/15

\+ sign 651.923+/-0.101 χ^2/NDF: 1107295.1/33

All: 646.664+/-0.072 χ^2/NDF: 2365096.3/68

\- sign 641.330+/-0.102 χ^2/NDF: 1252347.8/34

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.387+/-27.562 χ^2/NDF:23.1/17

Right Out: 11.576+/-33.548 χ^2/NDF: 17.2/18

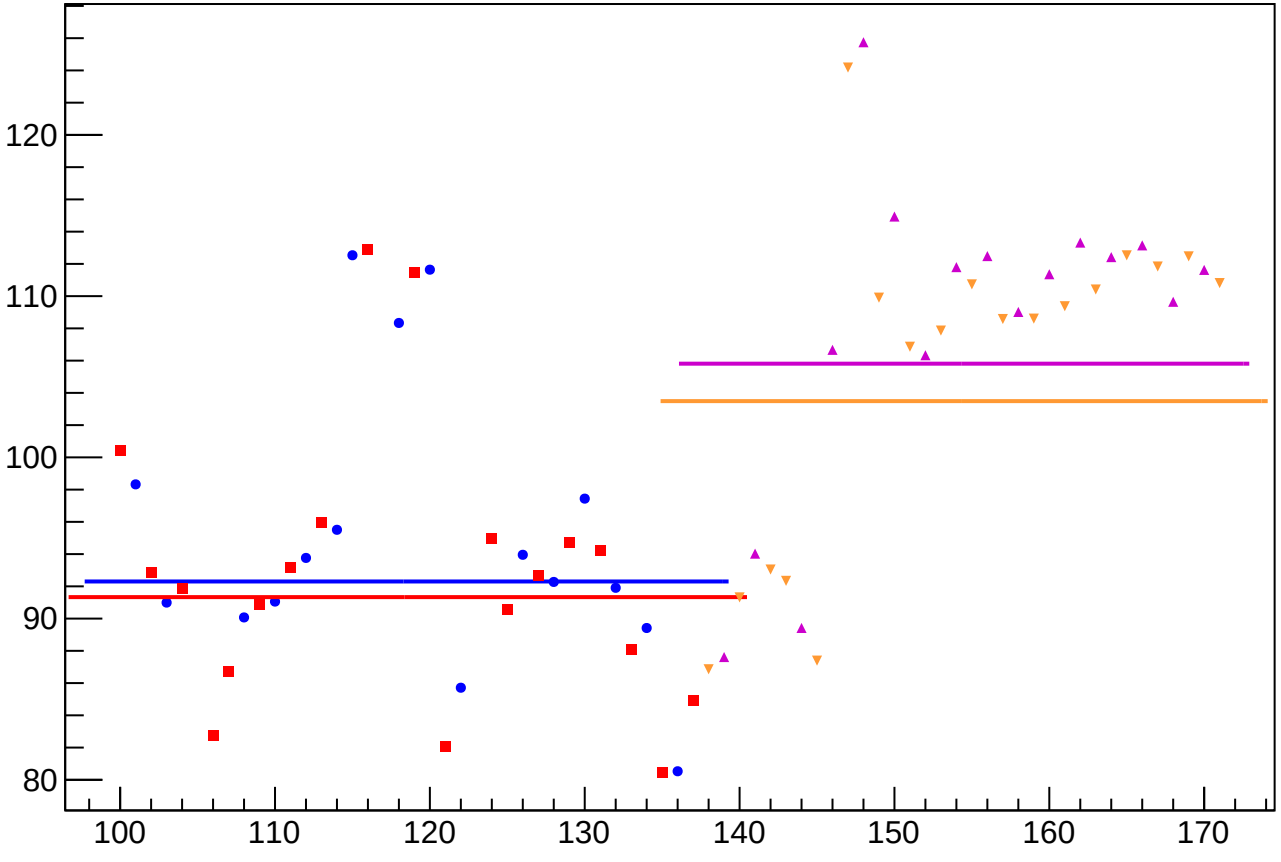
Left In: 170.313+/-29.259 χ^2/NDF:15.6/15

+ sign -89.391+/-21.516 χ^2/NDF: 60.9/33

All: 3.826+/-15.400 χ^2/NDF: 144.9/68

- sign 101.734+/-22.051 χ^2/NDF: 45.5/34

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

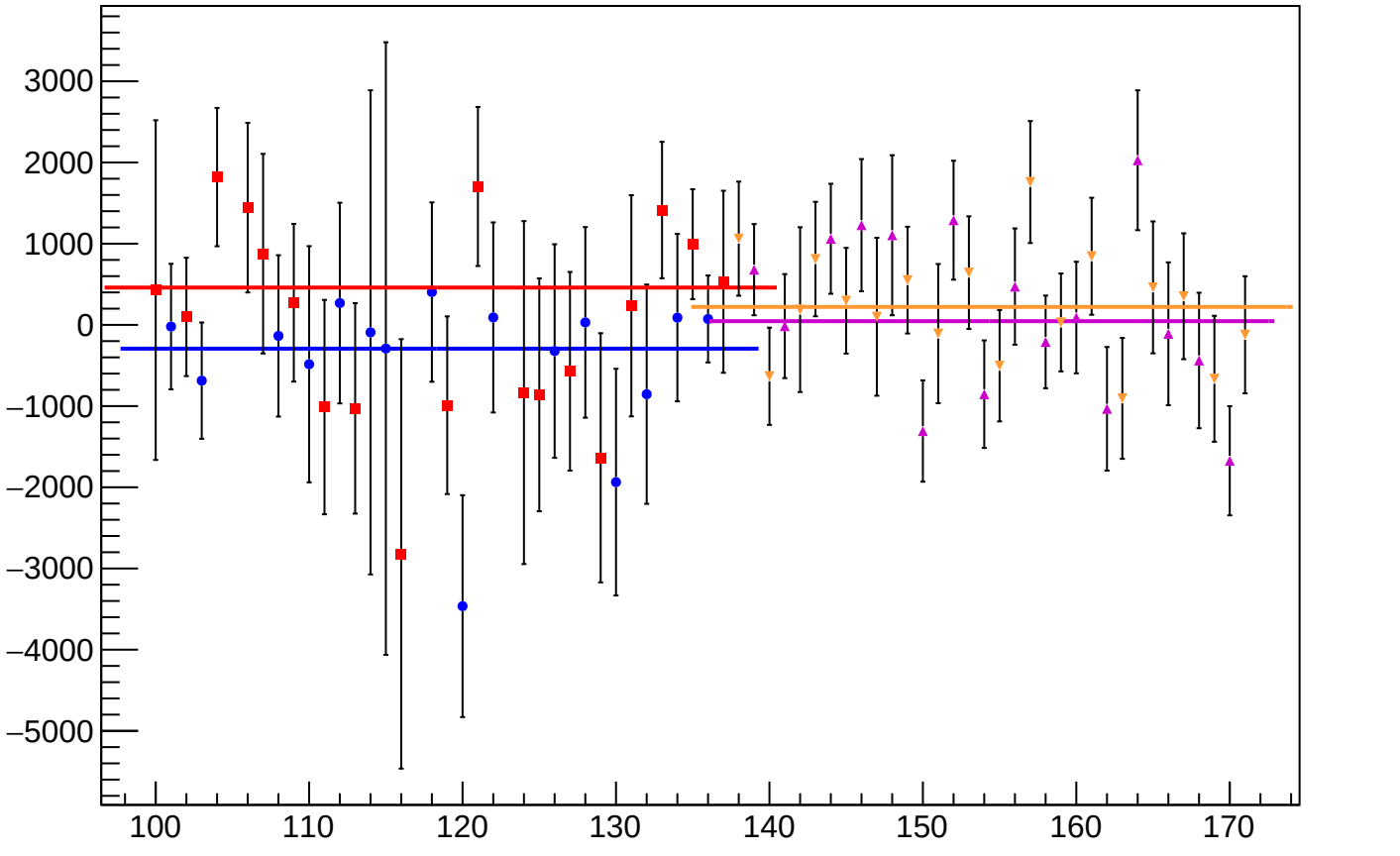
Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 105.811+/-0.021 χ^2/NDF:253875.3/15

+ sign 99.120+/-0.015 χ^2/NDF: 528846.8/33

All: 99.332+/-0.011 χ^2/NDF: 1099632.3/68

- sign 99.556+/-0.016 χ^2/NDF: 570384.8/34



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

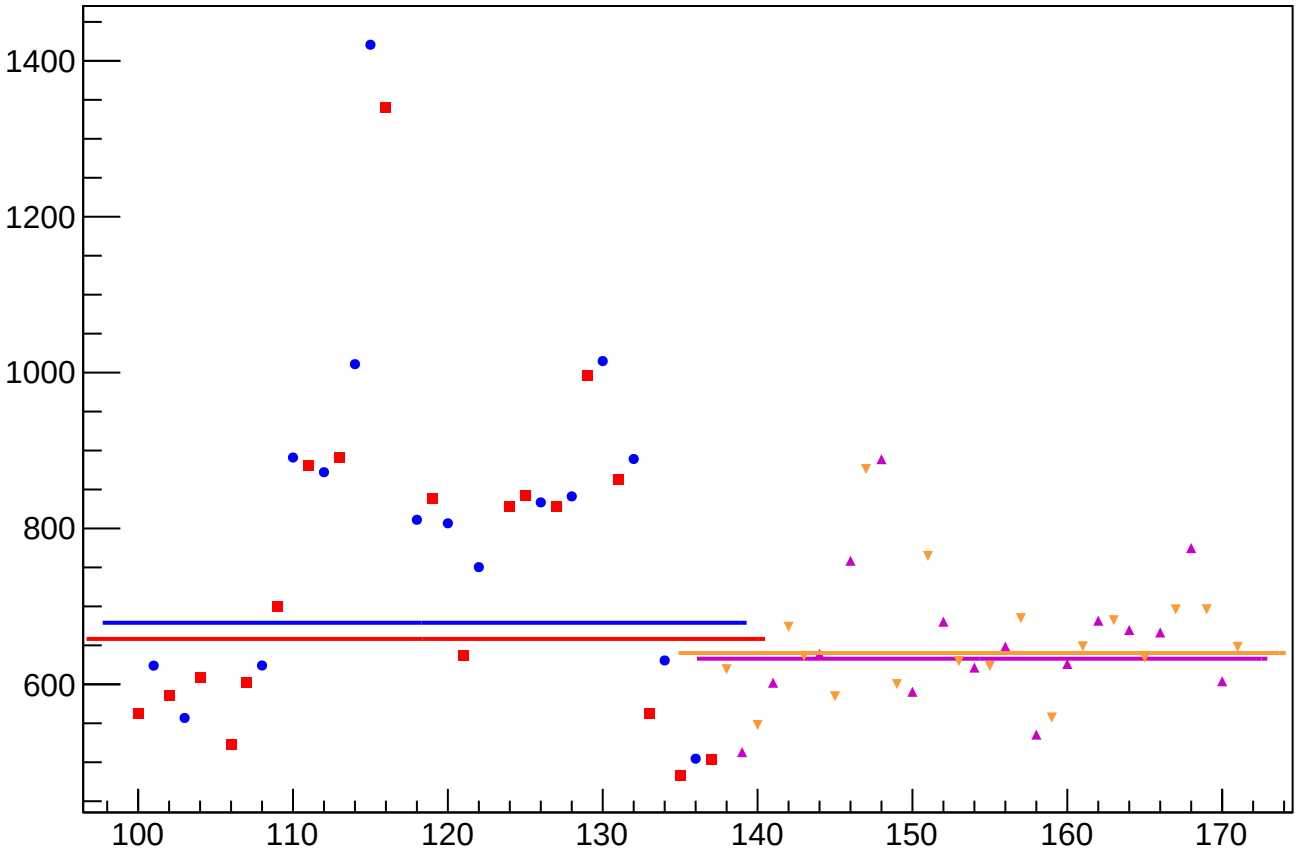
Right Out: 459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: 45.673+/-176.229 χ^2/NDF:31.0/15

\+ sign 65.546+/-142.928 χ^2/NDF: 26.6/33

All: 124.060+/-101.425 χ^2/NDF: 76.8/68

\- sign 183.413+/-143.951 χ^2/NDF: 49.9/34



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 640.155+/-0.121 χ^2/NDF:308111.8/17

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

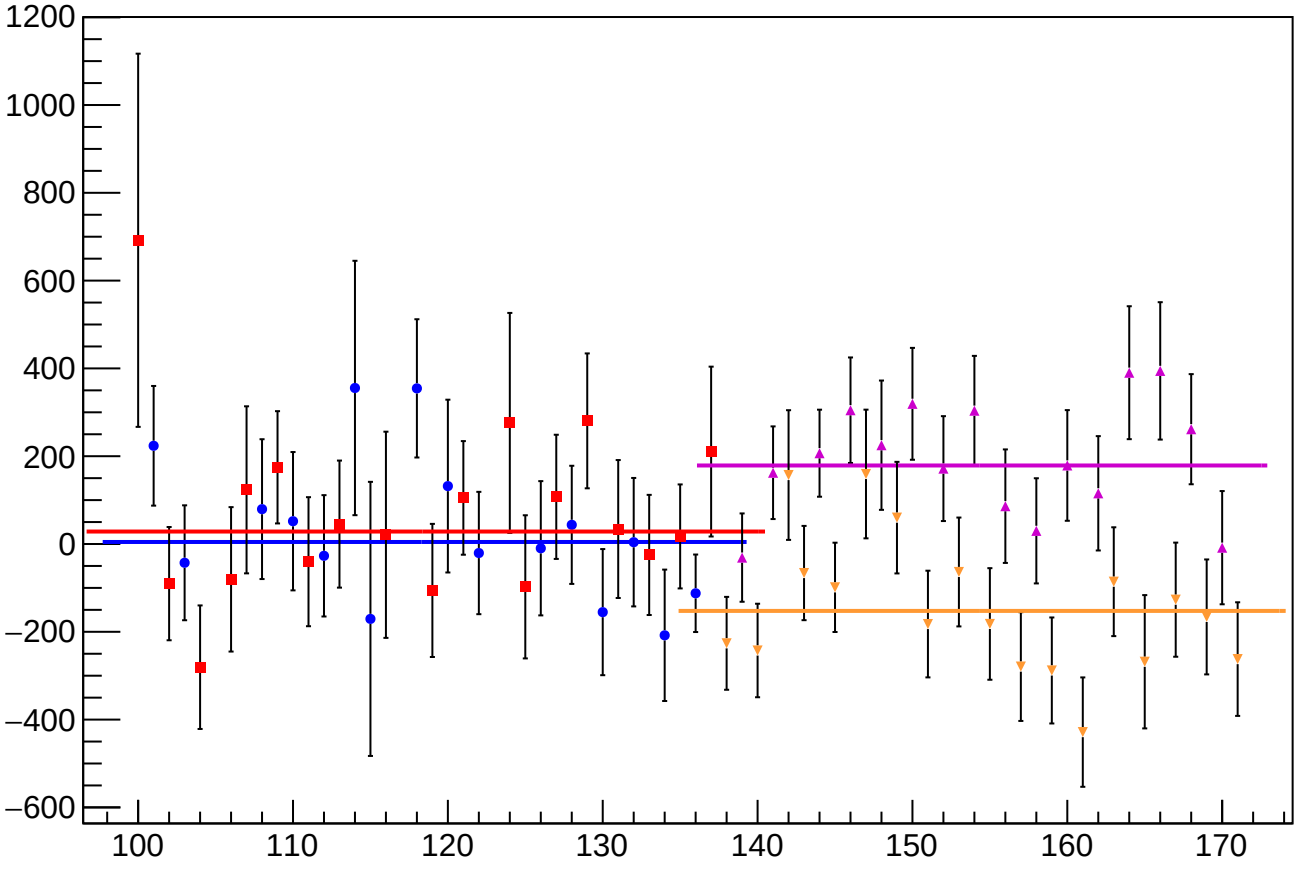
Left In: 632.886+/-0.125 χ^2/NDF:432650.0/15

+ sign 651.923+/-0.101 χ^2/NDF: 1107295.1/33

All: 646.664+/-0.072 χ^2/NDF: 2365096.3/68

- sign 641.330+/-0.102 χ^2/NDF: 1252347.8/34

dit_asym_sam_15_dd_mean vs Slug



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -152.415+/-28.943 χ^2/NDF:23.3/17

Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

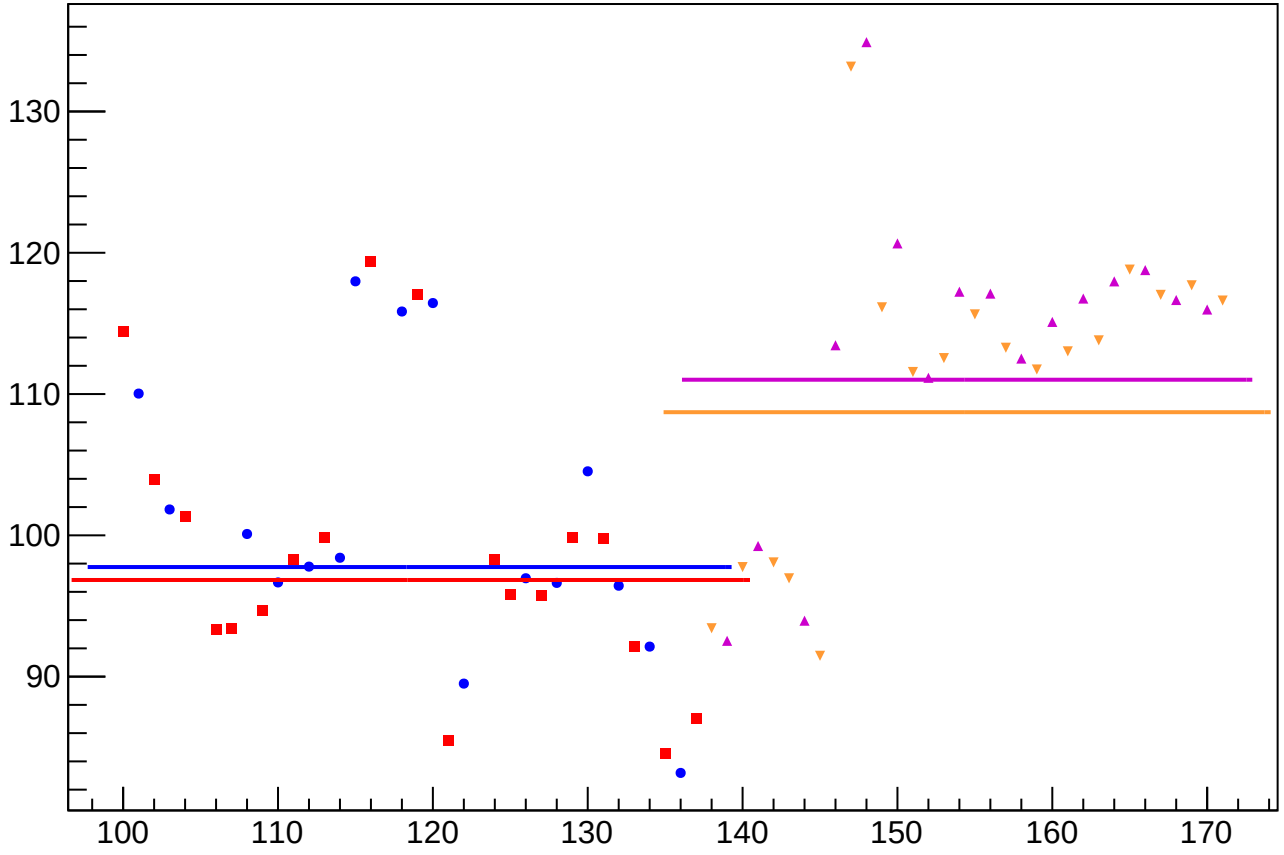
Left In: 178.870+/-30.699 χ^2/NDF:16.6/15

+ sign -91.812+/-22.680 χ^2/NDF: 50.0/33

All: 8.920+/-16.222 χ^2/NDF: 134.4/68

- sign 114.420+/-23.211 χ^2/NDF: 43.9/34

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 108.716+/-0.020 χ^2/NDF:269820.9/17

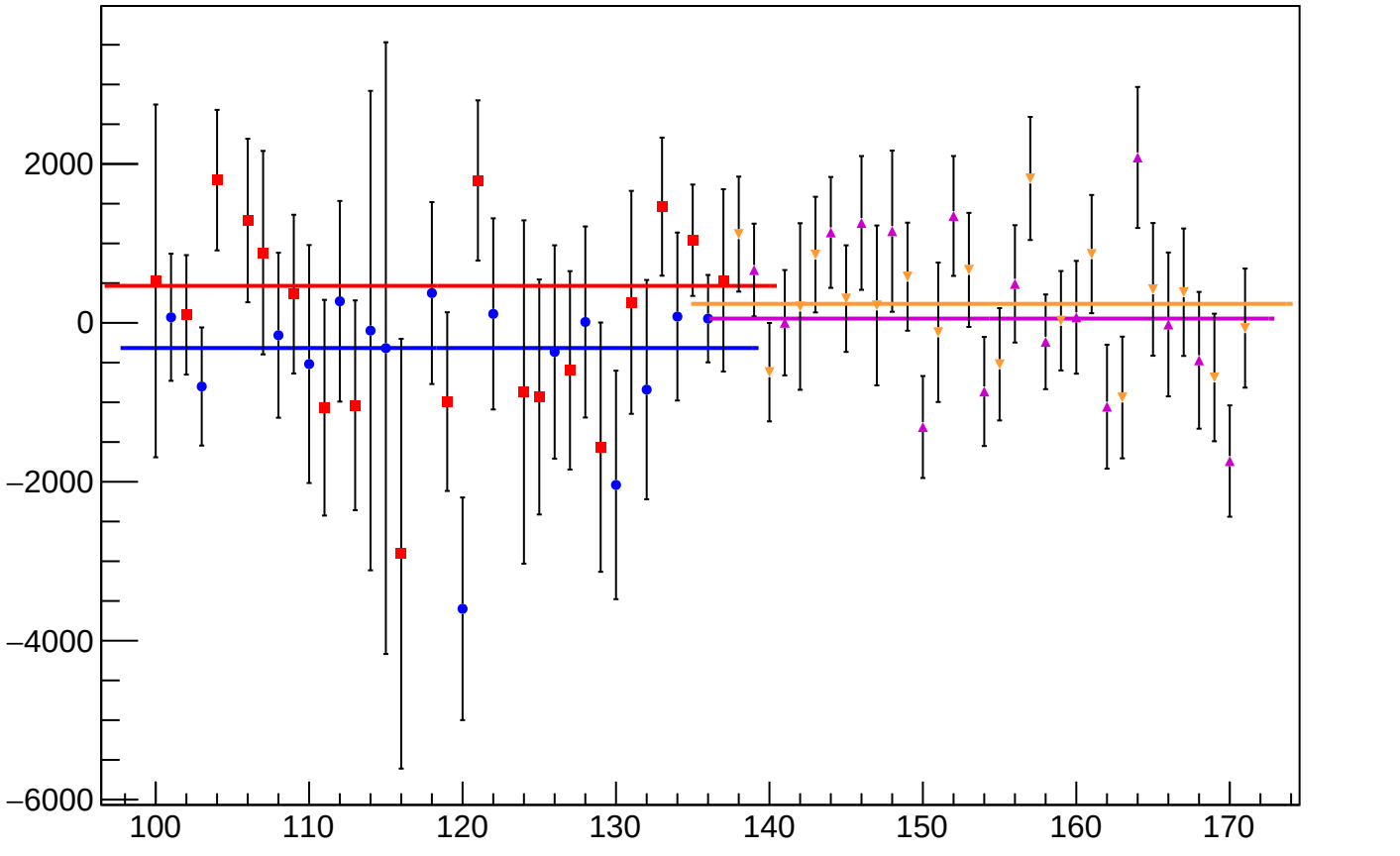
Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.014+/-0.022 χ^2/NDF:248394.2/15

+ sign 104.486+/-0.016 χ^2/NDF: 521162.3/33

All: 104.709+/-0.011 χ^2/NDF: 1067754.0/68

- sign 104.943+/-0.016 χ^2/NDF: 546196.6/34



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 239.437+/-176.804 χ^2/NDF:15.0/17

Right Out: 465.576+/-256.646 χ^2/NDF: 16.5/18

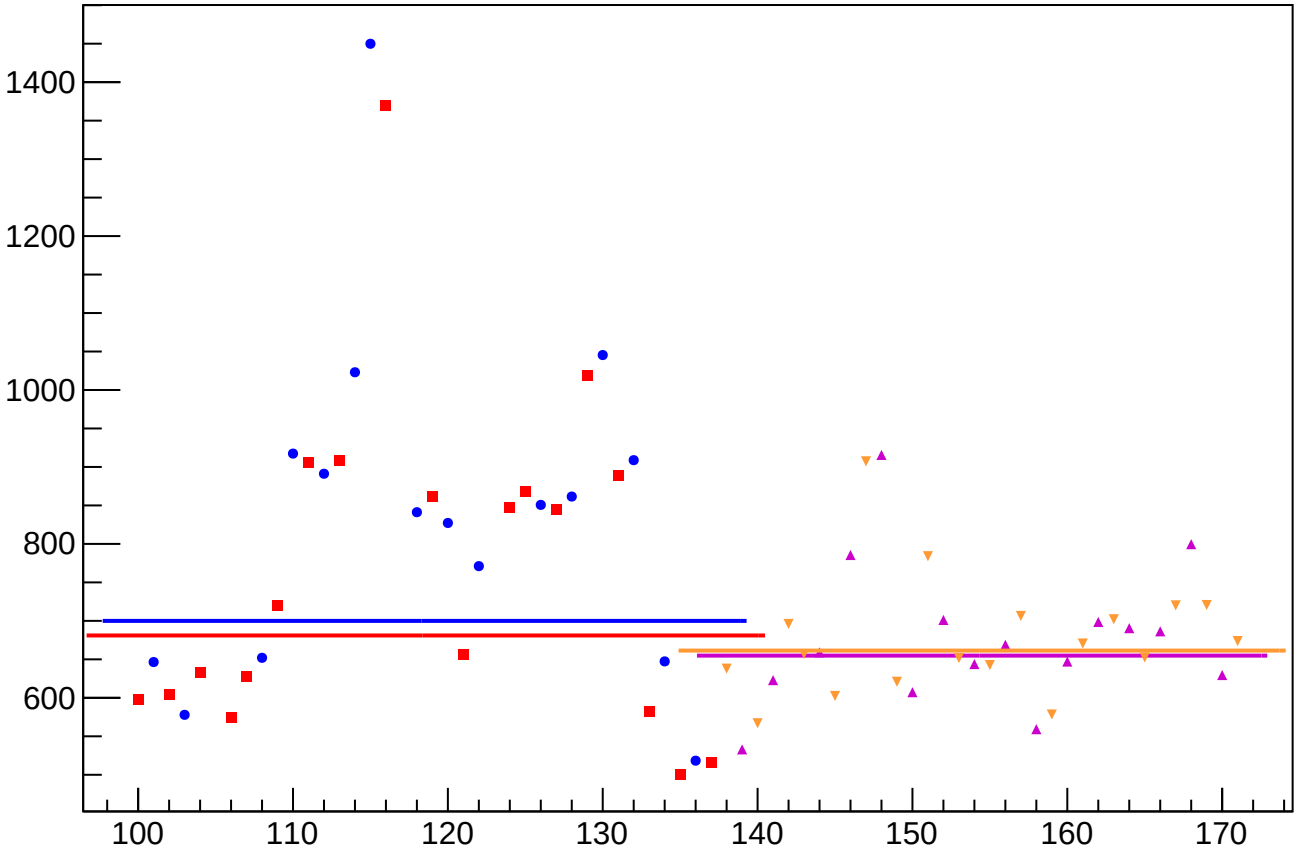
Left In: 53.784+/-182.228 χ^2/NDF:30.7/15

\+ sign 70.405+/-147.500 χ^2/NDF: 27.1/33

All: 130.661+/-104.679 χ^2/NDF: 76.4/68

\- sign 191.806+/-148.583 χ^2/NDF: 48.9/34

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 661.386+/-0.125 χ^2/NDF:304092.6/17

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

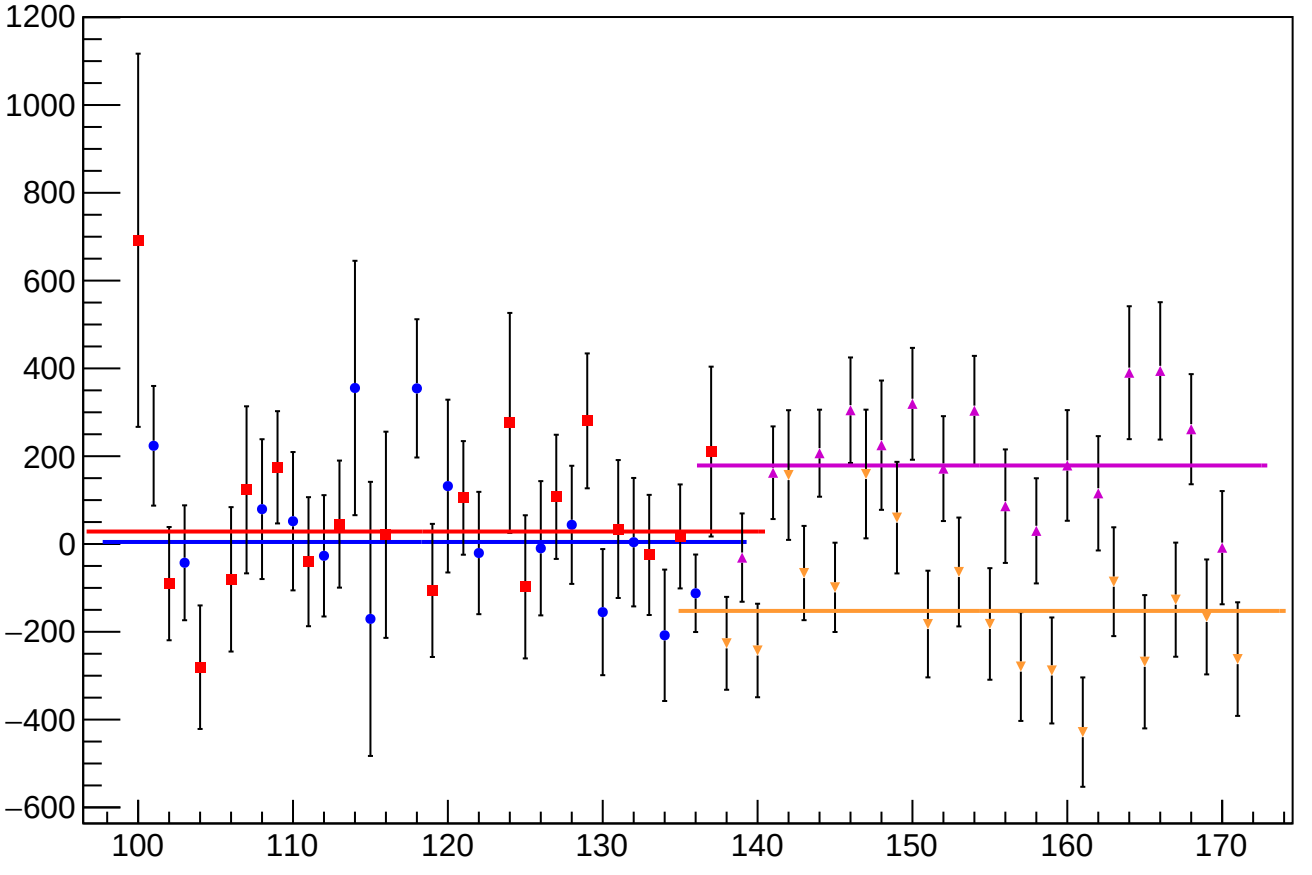
Left In: 654.838+/-0.129 χ^2/NDF:414892.3/15

+ sign 673.117+/-0.104 χ^2/NDF: 1086718.3/33

All: 668.400+/-0.074 χ^2/NDF: 2288963.8/68

- sign 663.612+/-0.105 χ^2/NDF: 1198123.6/34

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -152.415+/-28.943 χ^2/NDF:23.3/17

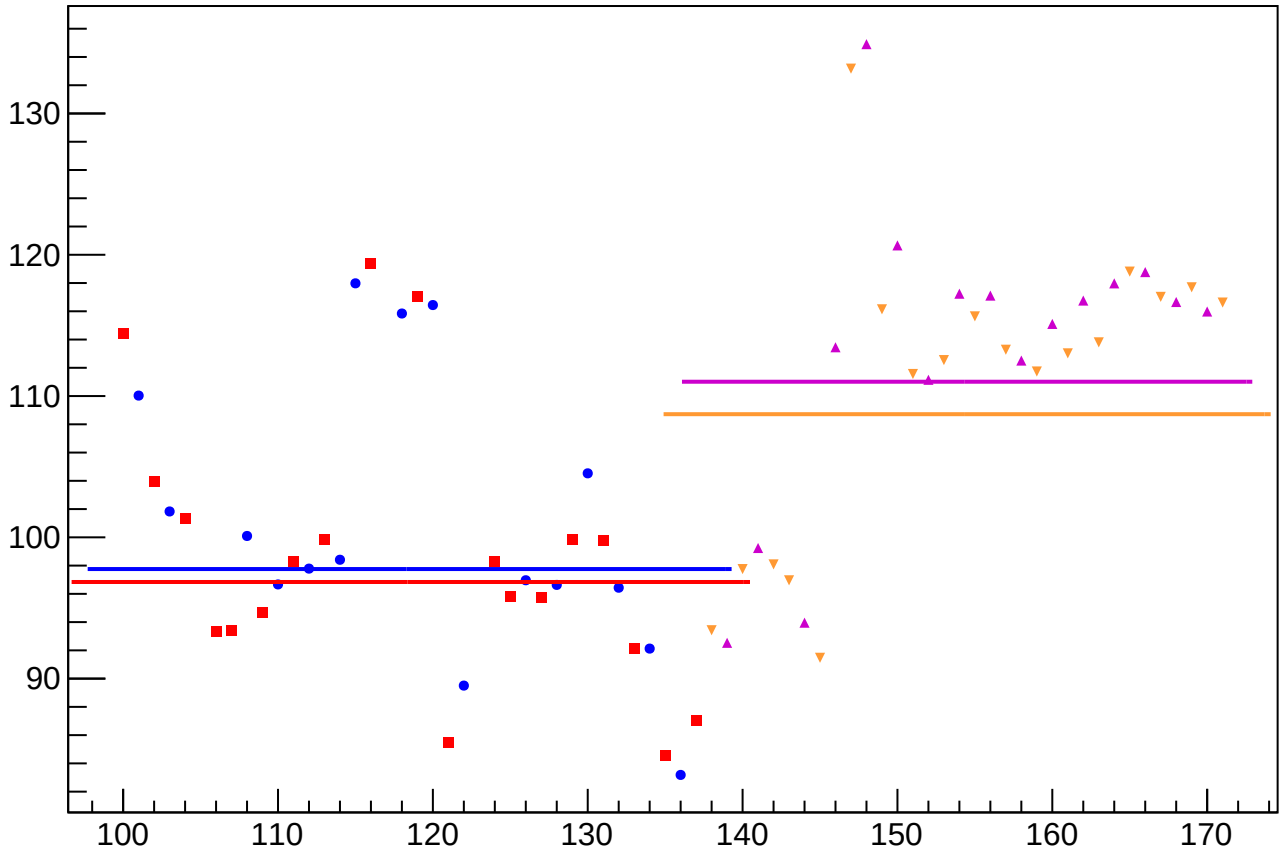
Right Out: 28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: 178.870+/-30.699 χ^2/NDF:16.6/15

+ sign -91.811+/-22.680 χ^2/NDF: 50.0/33

All: 8.921+/-16.222 χ^2/NDF: 134.4/68

- sign 114.420+/-23.211 χ^2/NDF: 43.9/34



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 108.716+/-0.020 χ^2/NDF:269819.7/17

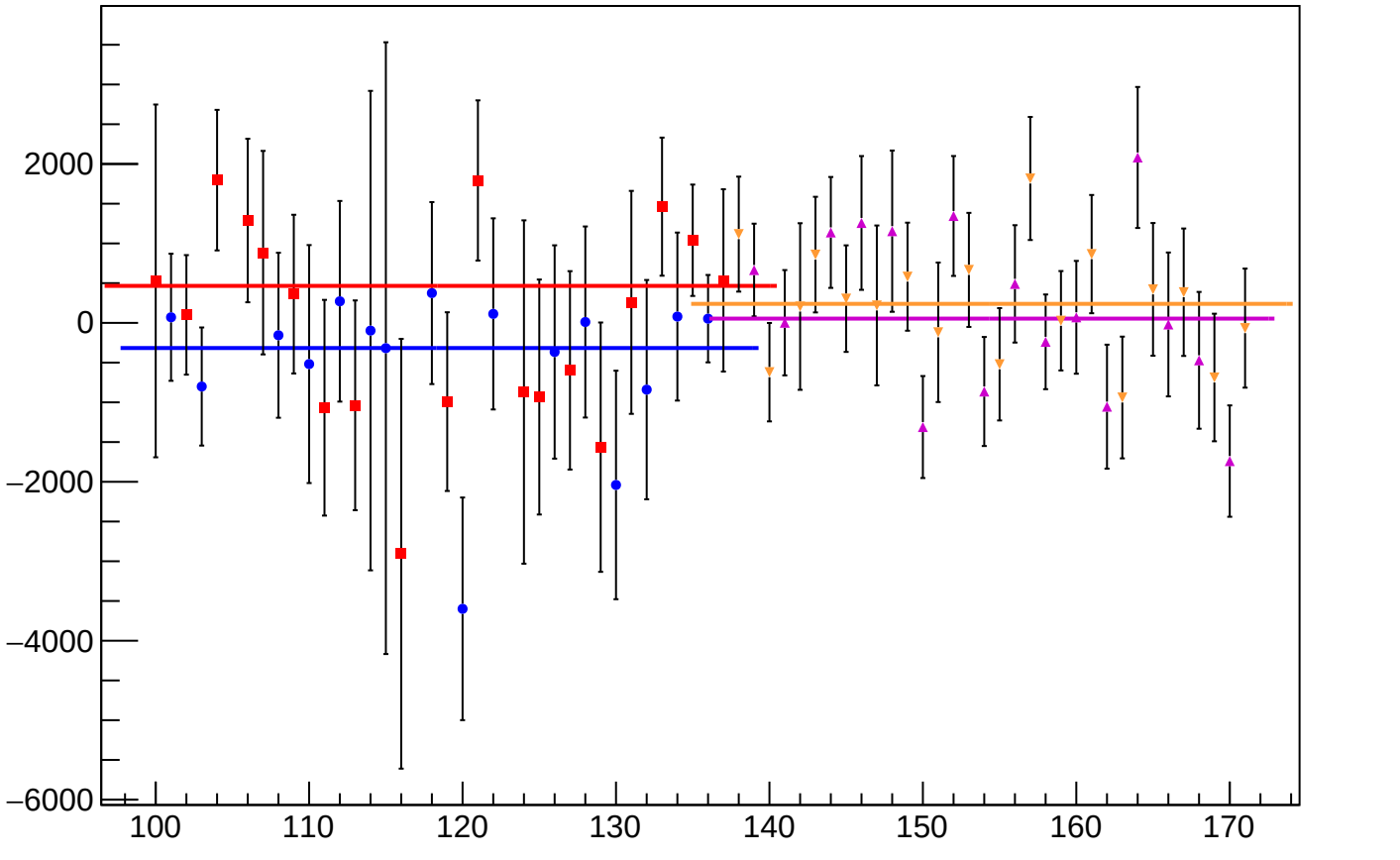
Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.014+/-0.022 χ^2/NDF:248391.4/15

\+ sign 104.486+/-0.016 χ^2/NDF: 521168.7/33

All: 104.709+/-0.011 χ^2/NDF: 1067770.8/68

\- sign 104.942+/-0.016 χ^2/NDF: 546207.0/34



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 239.437+/-176.804 χ^2/NDF:15.0/17

Right Out: 465.576+/-256.645 χ^2/NDF: 16.5/18

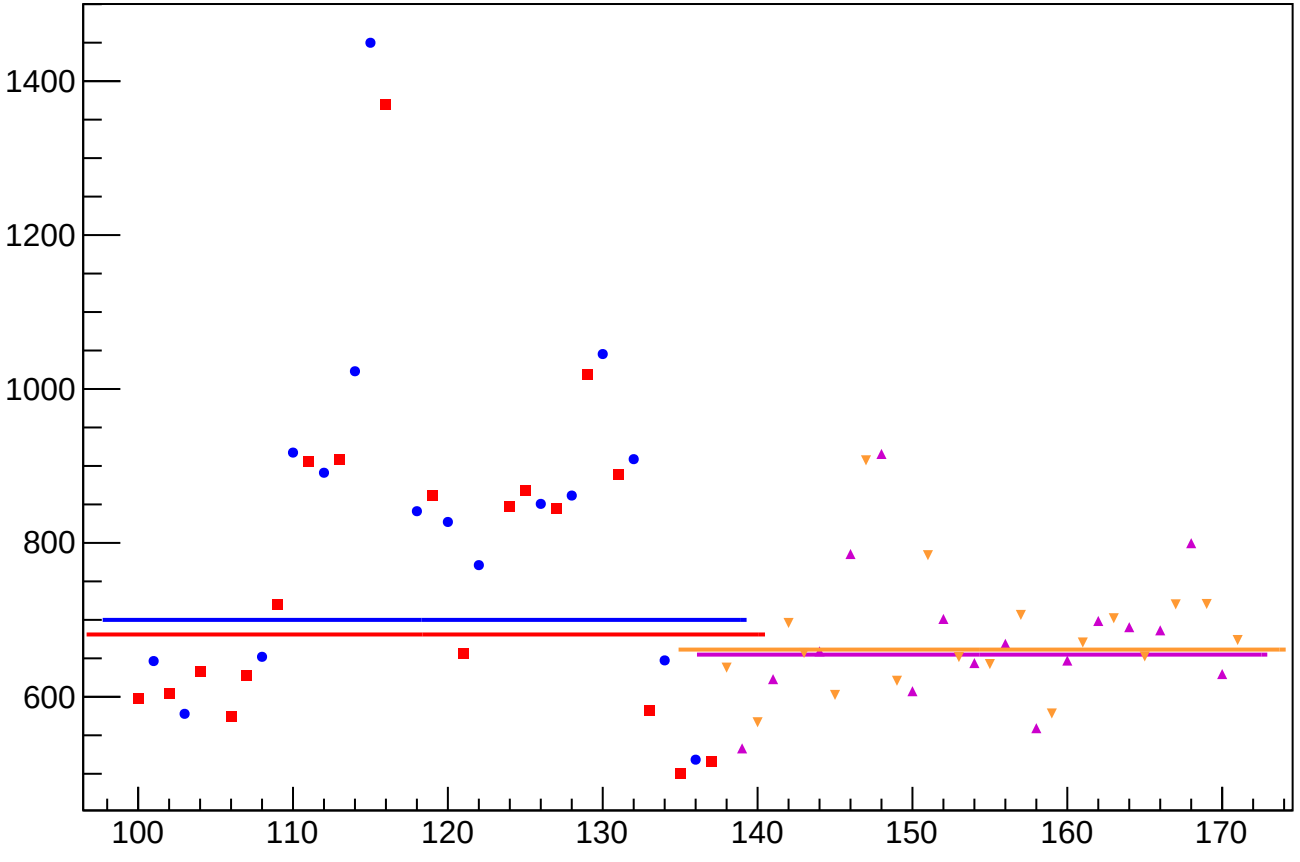
Left In: 53.784+/-182.228 χ^2/NDF:30.7/15

\+ sign 70.404+/-147.500 χ^2/NDF: 27.1/33

All: 130.661+/-104.679 χ^2/NDF: 76.4/68

\- sign 191.807+/-148.583 χ^2/NDF: 48.9/34

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 661.387+/-0.125 χ^2/NDF:304092.7/17

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

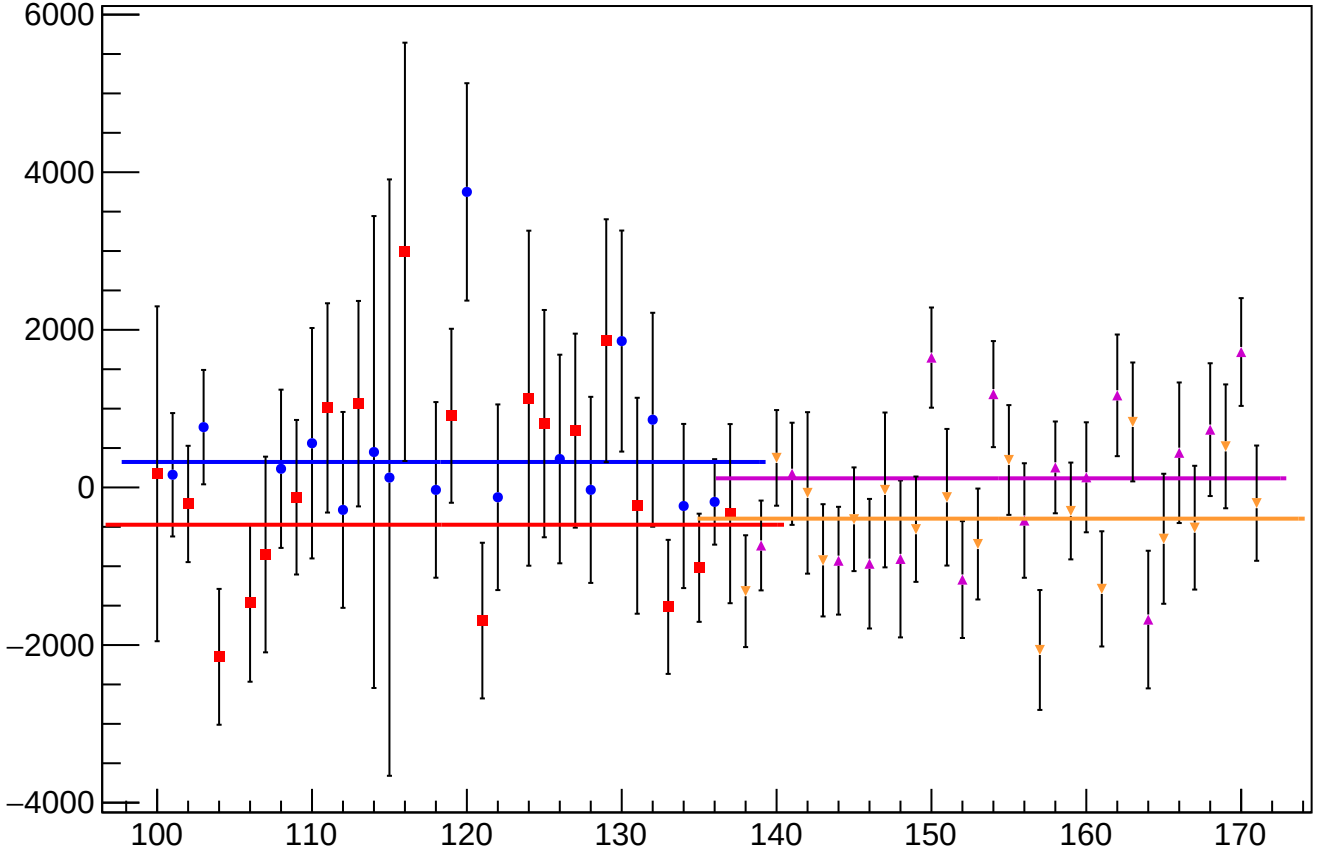
Left In: 654.839+/-0.129 χ^2/NDF:414892.6/15

+ sign 673.117+/-0.104 χ^2/NDF: 1086717.9/33

All: 668.400+/-0.074 χ^2/NDF: 2288964.9/68

- sign 663.612+/-0.105 χ^2/NDF: 1198124.9/34

asym_sam_15_dd_mean vs Slug



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -396.054+/-173.535 χ^2/NDF:16.1/17

Right Out: -473.233+/-251.330 χ^2/NDF: 19.4/18

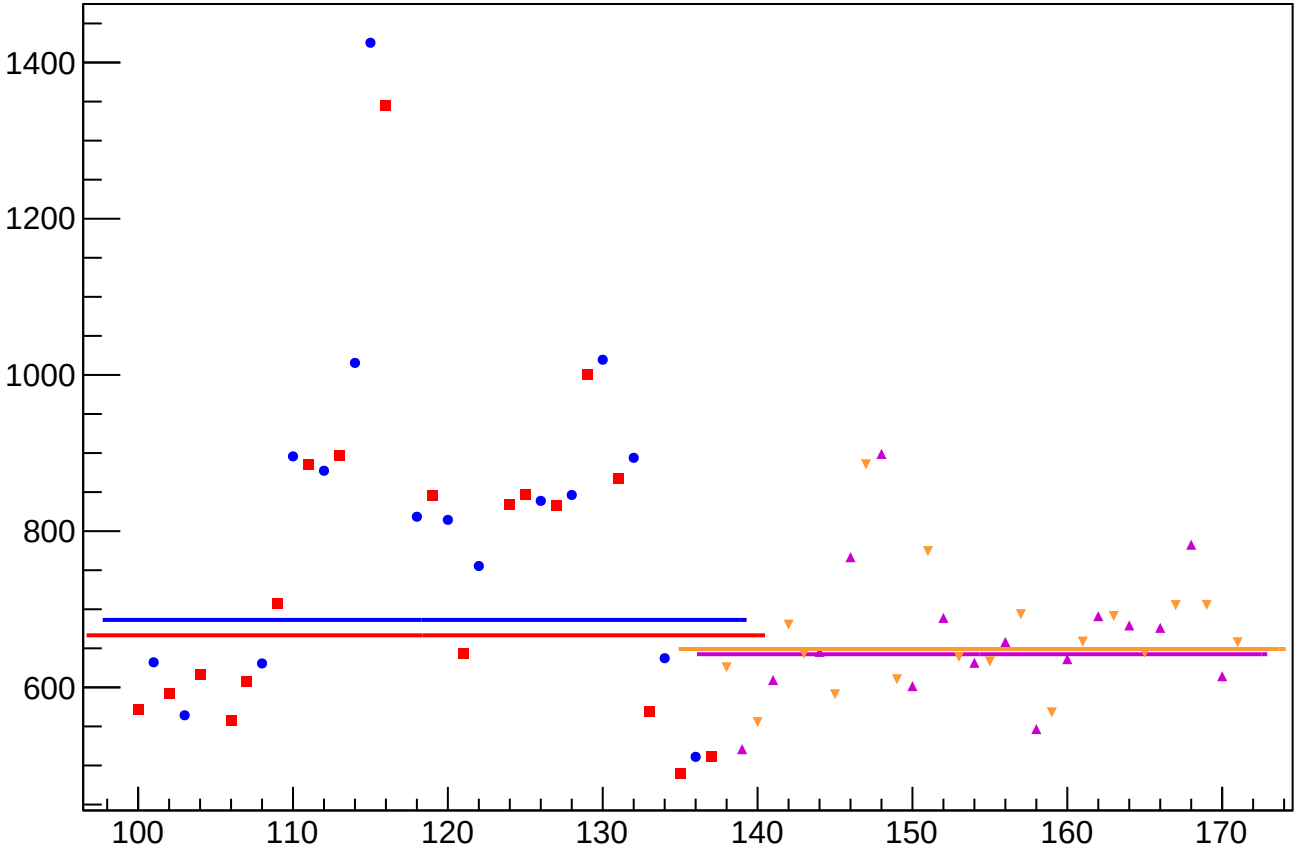
Left In: 115.705+/-178.820 χ^2/NDF:31.5/15

+ sign -177.119+/-144.733 χ^2/NDF: 31.0/33

All: -129.992+/-102.683 χ^2/NDF: 85.8/68

- sign -82.231+/-145.704 χ^2/NDF: 54.6/34

asym_sam_15_dd_rms vs Slug



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 649.113+/-0.123 χ^2/NDF:302306.1/17

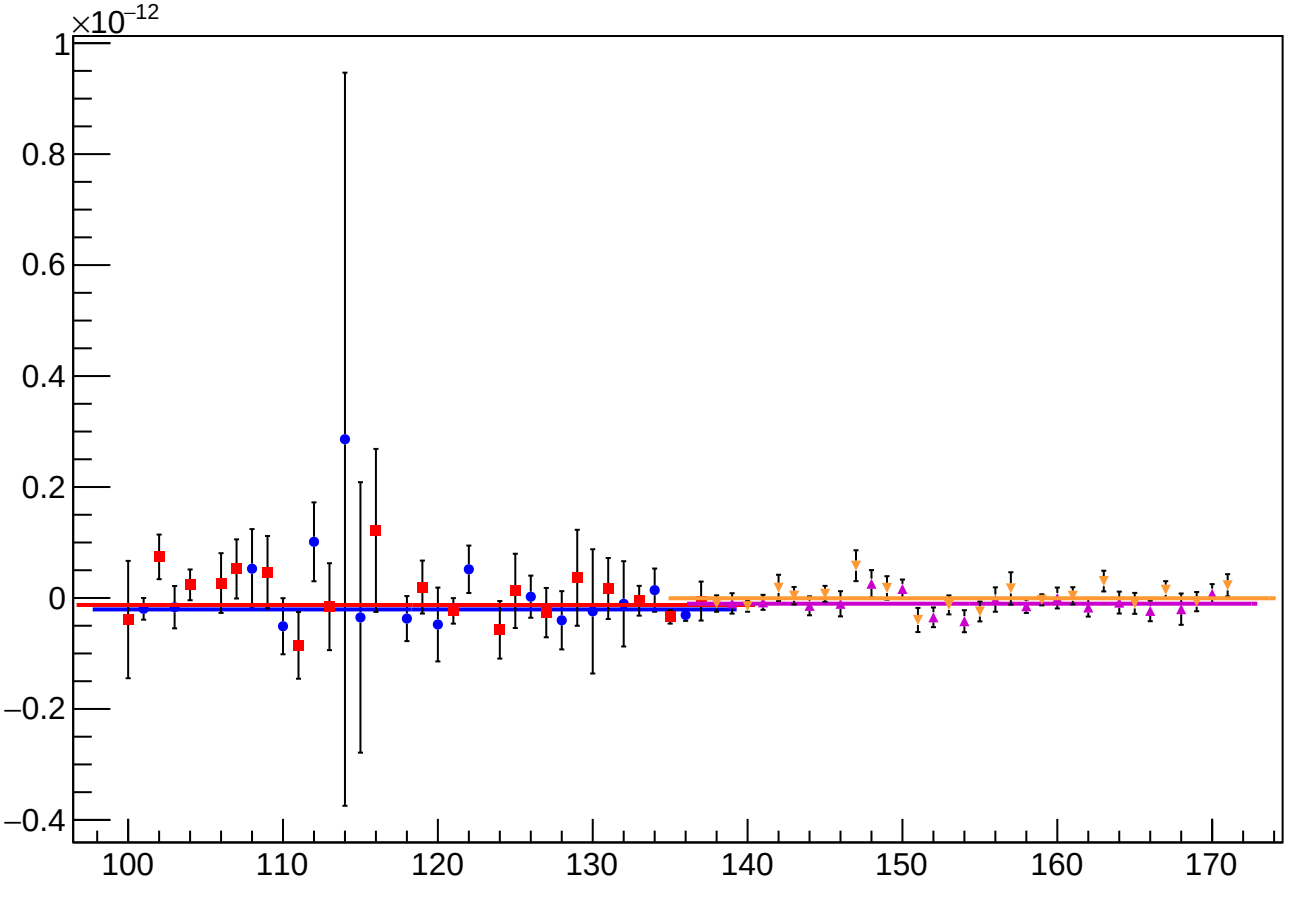
Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.449+/-0.126 χ^2/NDF:419509.2/15

+ sign 660.461+/-0.102 χ^2/NDF: 1079858.9/33

All: 655.552+/-0.073 χ^2/NDF: 2293330.5/68

- sign 650.577+/-0.103 χ^2/NDF: 1208839.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

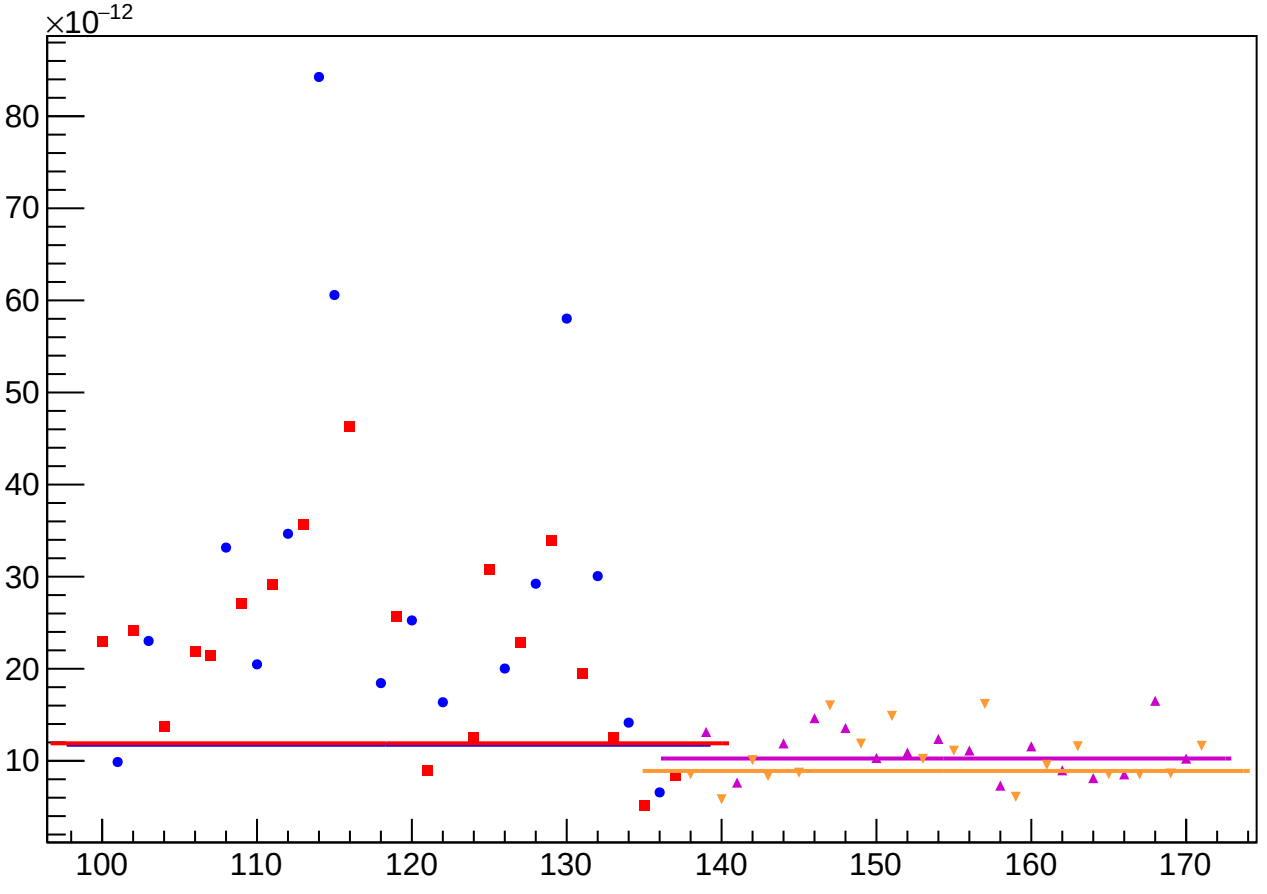
Left In: -0.000+/-0.000 χ^2/NDF:11.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/33

All: -0.000+/-0.000 χ^2/NDF: 65.7/68

- sign -0.000+/-0.000 χ^2/NDF: 28.6/34

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:929399.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2202451.9/18

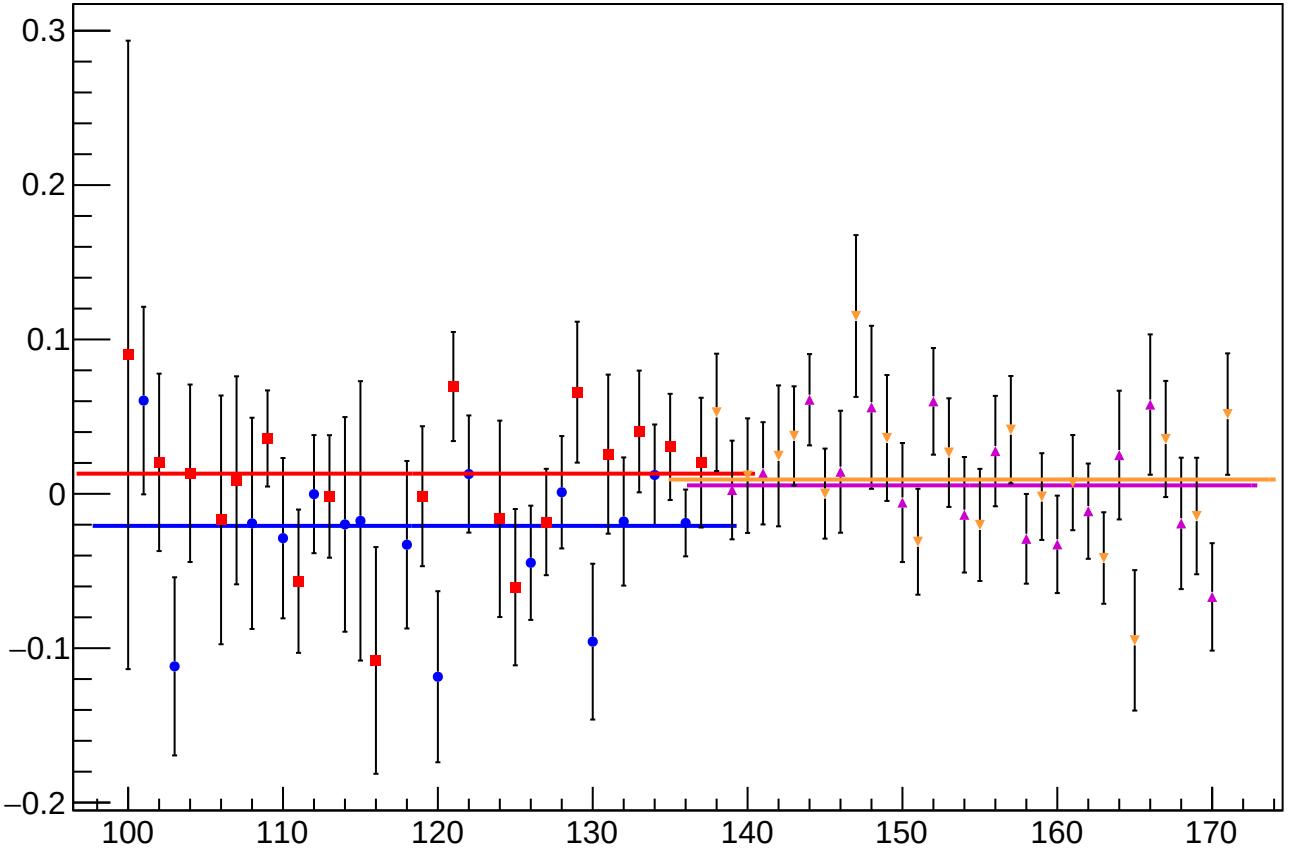
Left In: 0.000+/-0.000 χ^2/NDF:559155.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 3304593.4/33

All: 0.000+/-0.000 χ^2/NDF: 6241211.2/68

- sign 0.000+/-0.000 χ^2/NDF: 2828309.1/34

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: 0.009+/-0.008 χ^2/NDF:20.3/17

Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

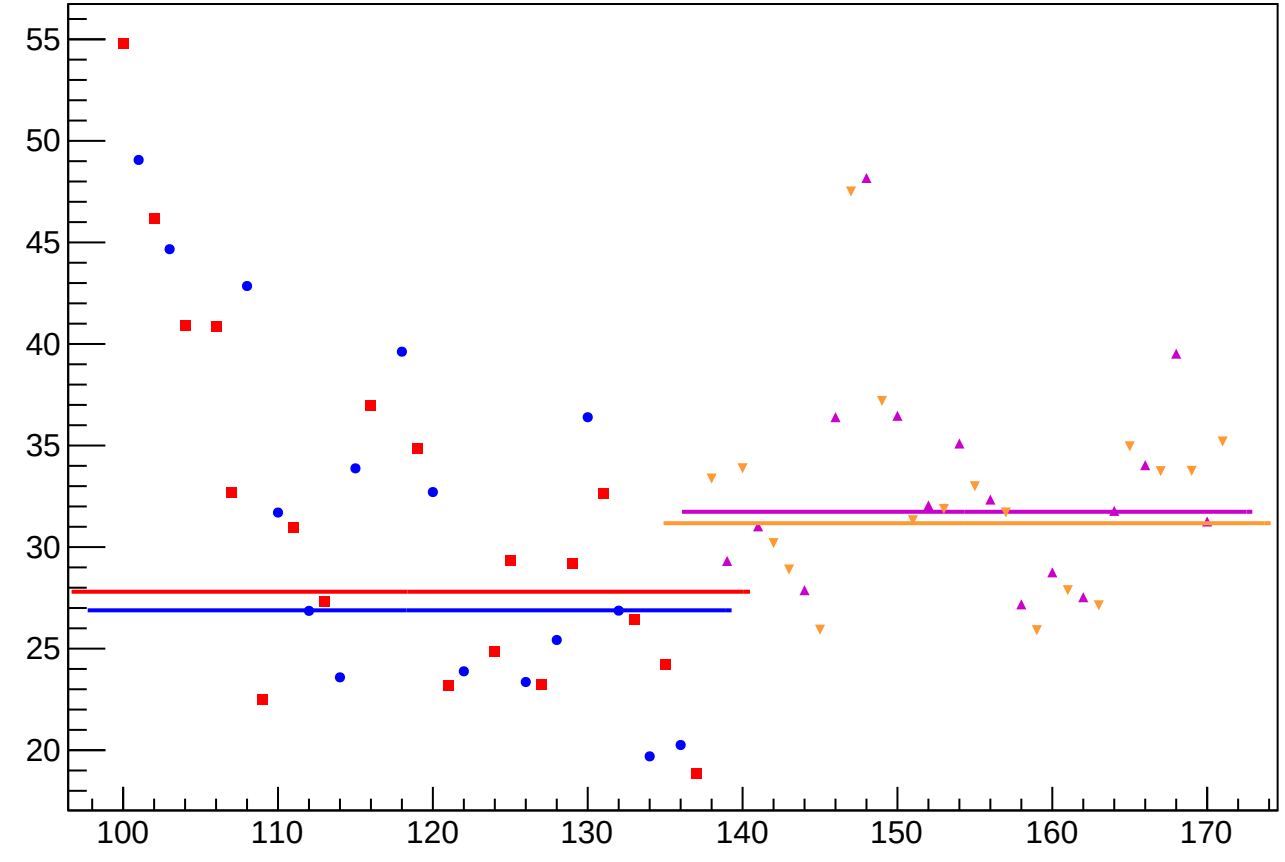
Left In: 0.005+/-0.009 χ^2/NDF:17.1/15

+ sign -0.002+/-0.007 χ^2/NDF: 37.9/33

All: 0.003+/-0.005 χ^2/NDF: 70.6/68

- sign 0.009+/-0.007 χ^2/NDF: 31.3/34

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520687.4/17

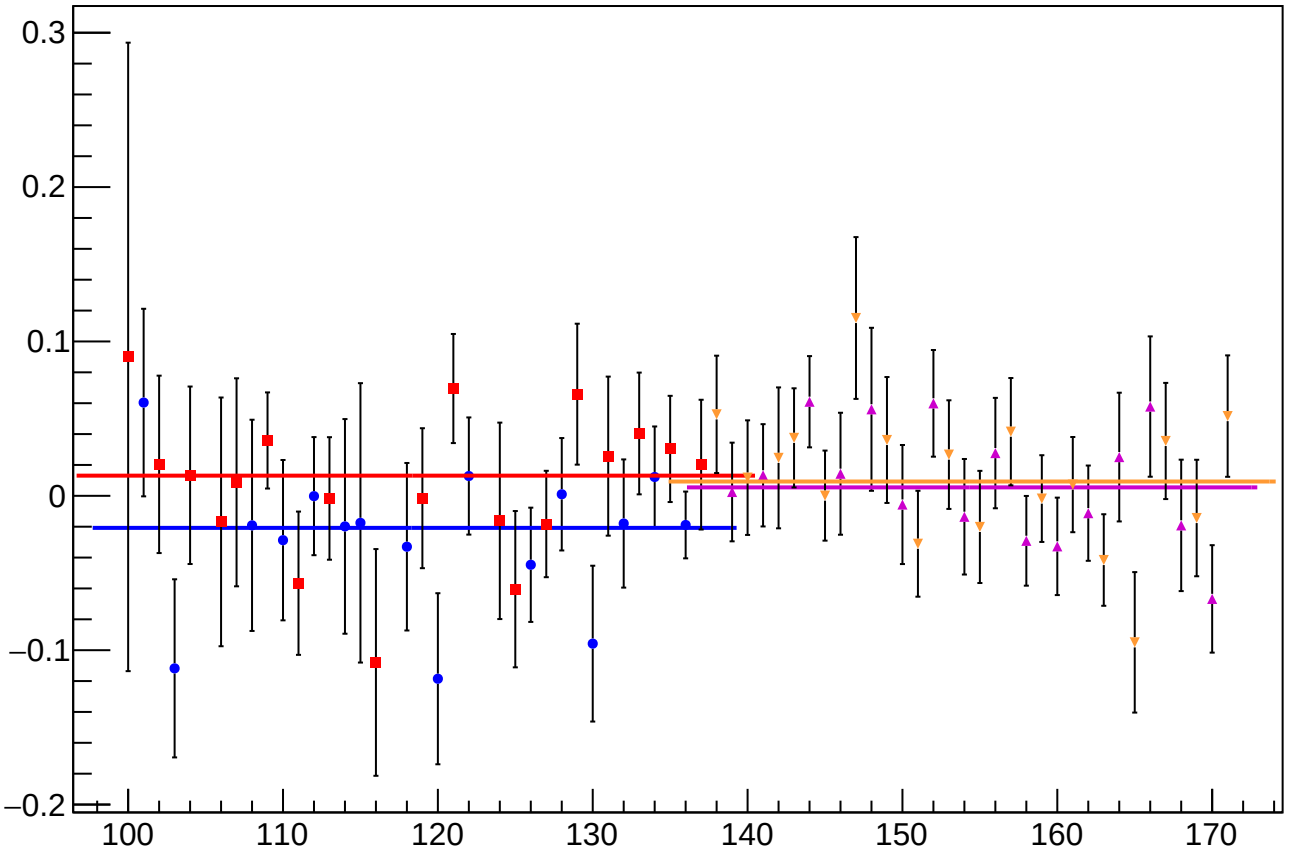
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.738+/-0.006 χ^2/NDF:491648.6/15

+ sign 29.509+/-0.005 χ^2/NDF: 1844999.9/33

All: 29.797+/-0.003 χ^2/NDF: 3271052.2/68

- sign 30.107+/-0.005 χ^2/NDF: 1418016.3/34



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

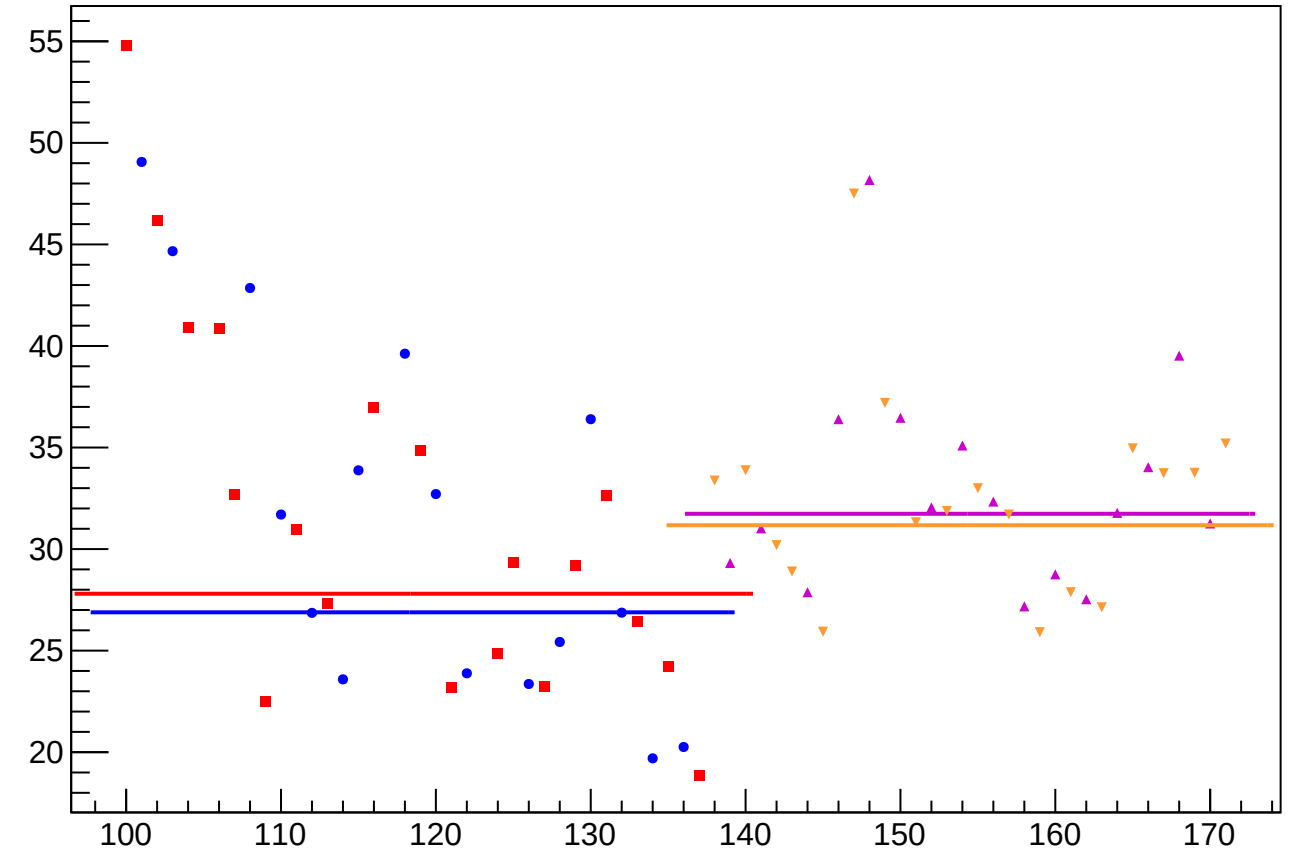
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.009 χ^2/NDF:17.1/15

+ sign -0.002+/-0.007 χ^2/NDF: 37.9/33

All: 0.003+/-0.005 χ^2/NDF: 70.6/68

- sign 0.009+/-0.007 χ^2/NDF: 31.3/34



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520687.4/17

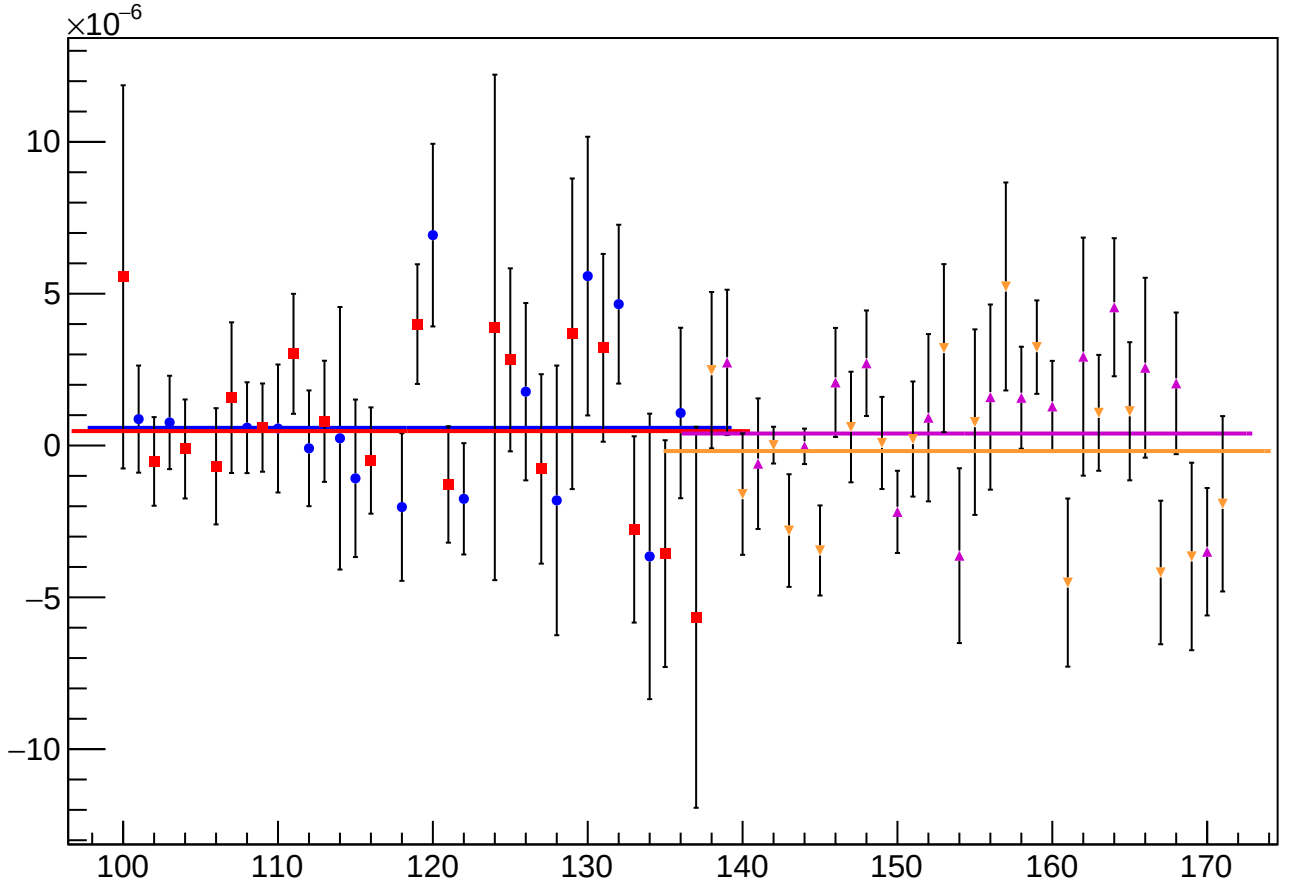
Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.738+/-0.006 χ^2/NDF:491648.6/15

+ sign 29.509+/-0.005 χ^2/NDF: 1844999.9/33

All: 29.797+/-0.003 χ^2/NDF: 3271052.2/68

- sign 30.107+/-0.005 χ^2/NDF: 1418016.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/17

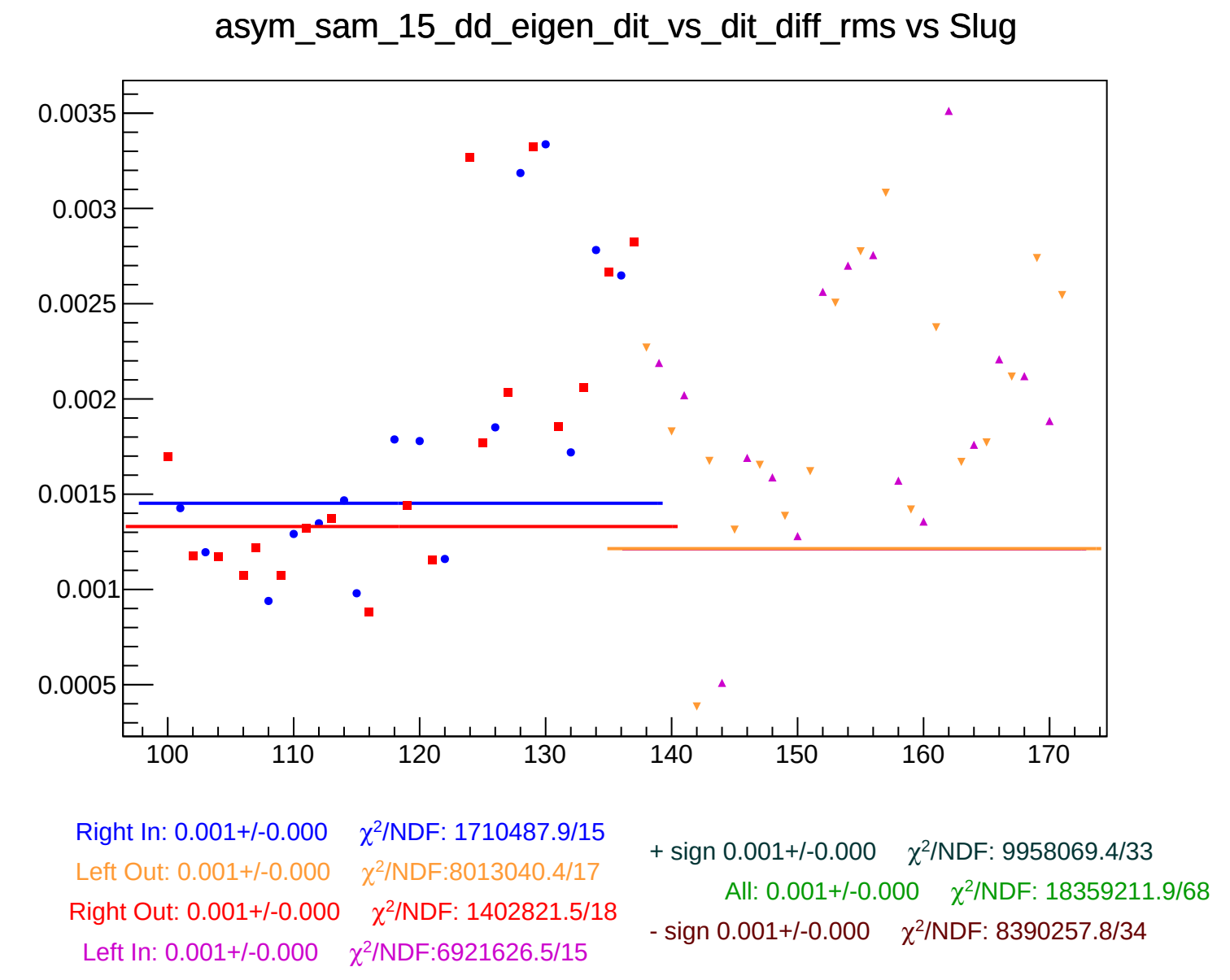
Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/18

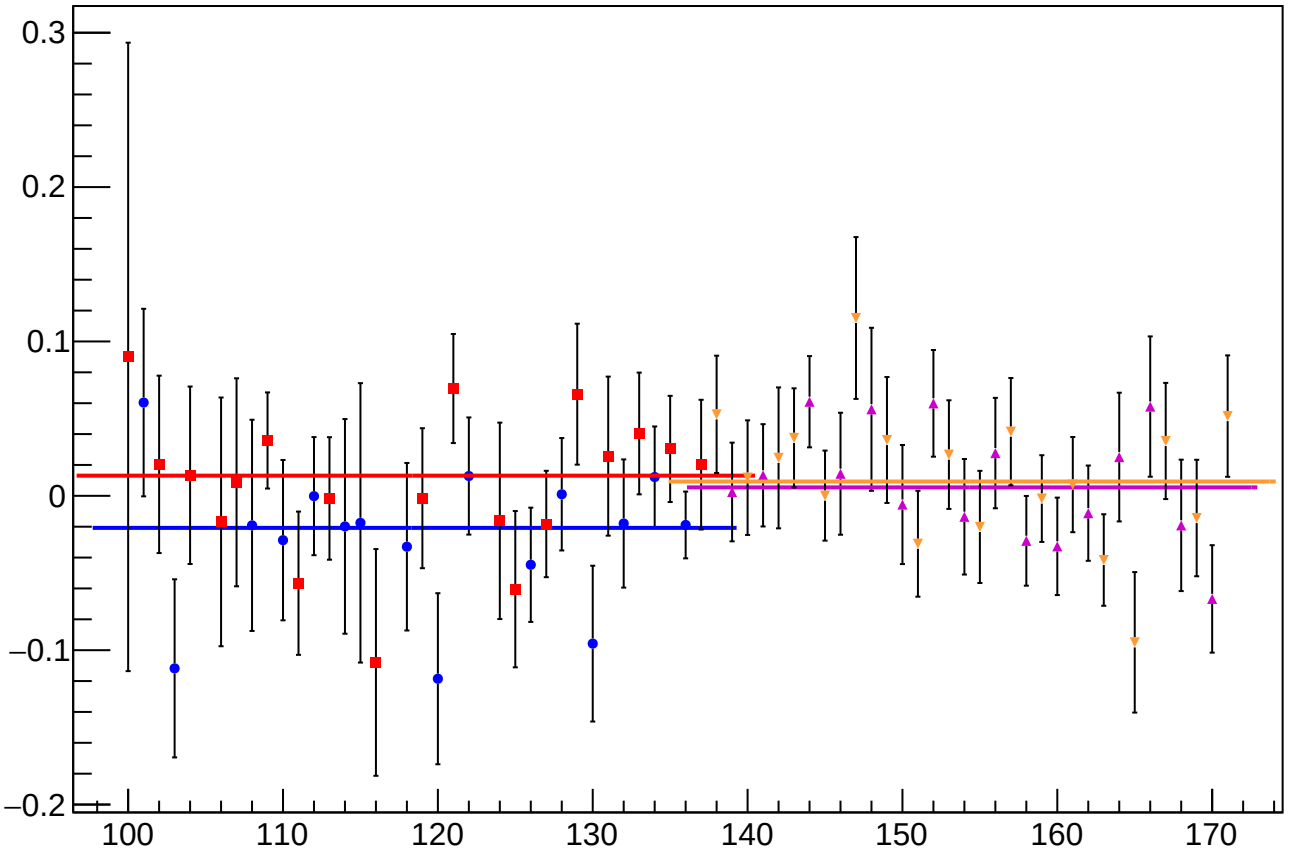
Left In: 0.000+/-0.000 χ^2/NDF:19.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 39.5/33

All: 0.000+/-0.000 χ^2/NDF: 72.6/68

- sign 0.000+/-0.000 χ^2/NDF: 32.4/34


asym_sam_15_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
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8013040.4/17
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6921626.5/15
+ sign 0.001+/-0.000 χ²/NDF: 9958069.4/33
All: 0.001+/-0.000 χ²/NDF: 18359211.9/68
- sign 0.001+/-0.000 χ²/NDF: 8390257.8/34



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

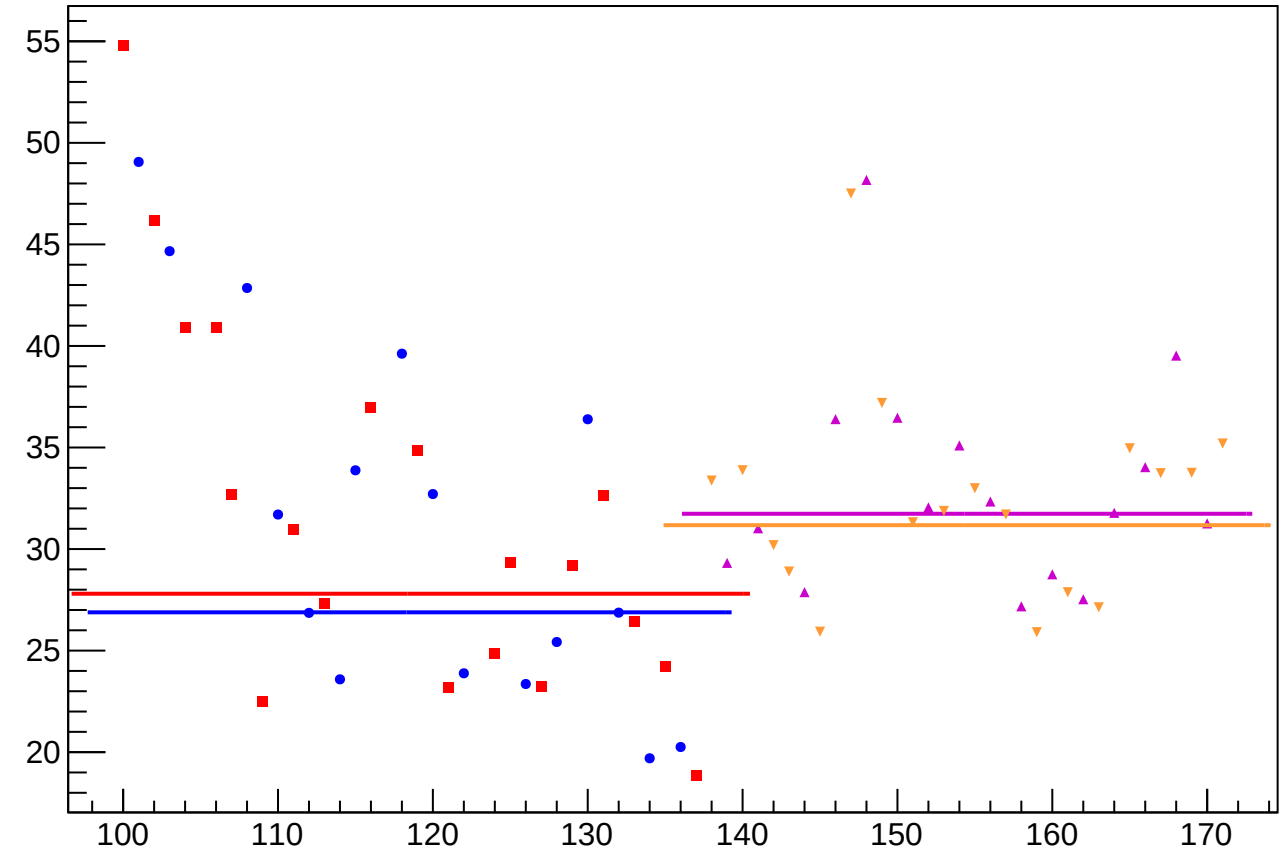
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.009 χ^2/NDF:17.1/15

+ sign -0.002+/-0.007 χ^2/NDF: 37.9/33

All: 0.003+/-0.005 χ^2/NDF: 70.6/68

- sign 0.009+/-0.007 χ^2/NDF: 31.3/34



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520807.3/17

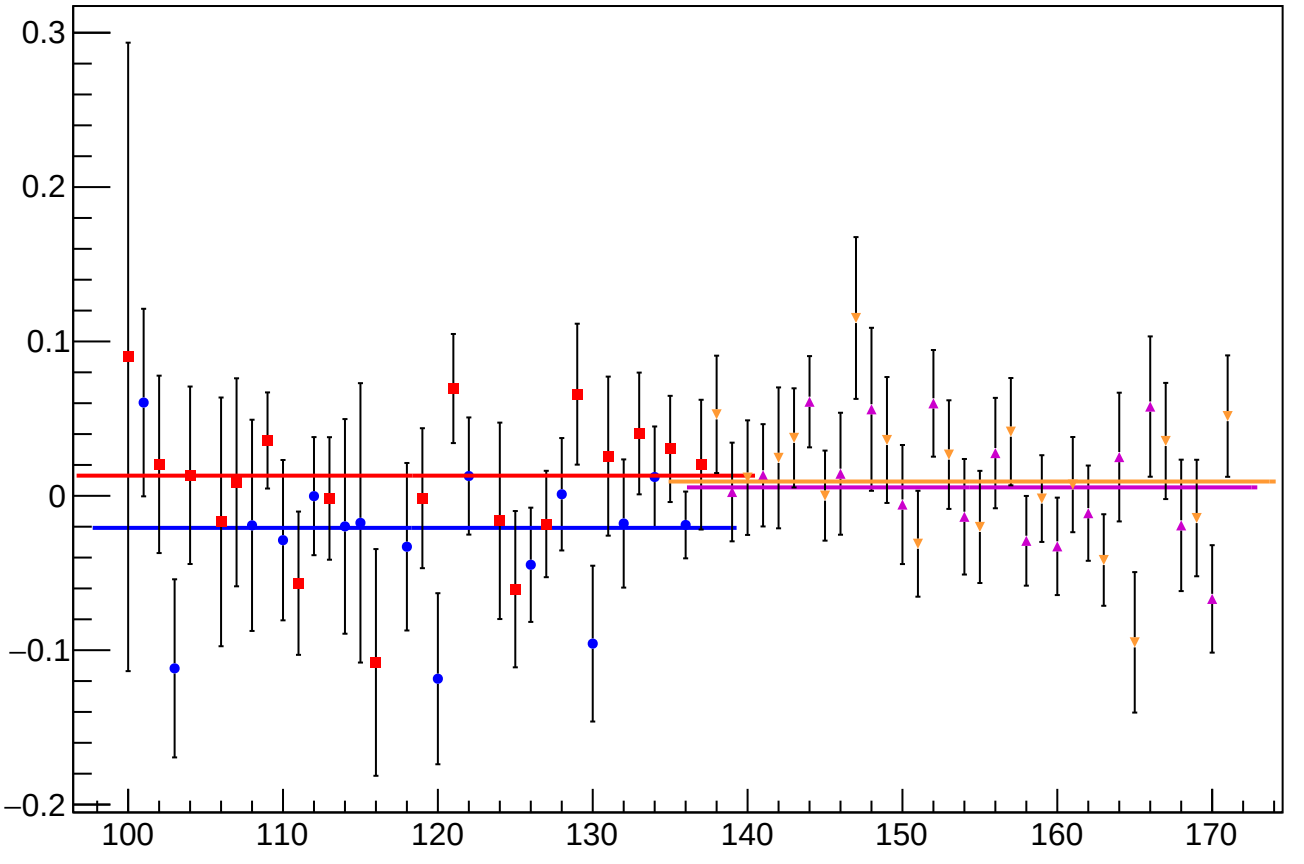
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.738+/-0.006 χ^2/NDF:491744.4/15

+ sign 29.508+/-0.005 χ^2/NDF: 1845208.6/33

All: 29.797+/-0.003 χ^2/NDF: 3271572.6/68

- sign 30.106+/-0.005 χ^2/NDF: 1418333.3/34



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

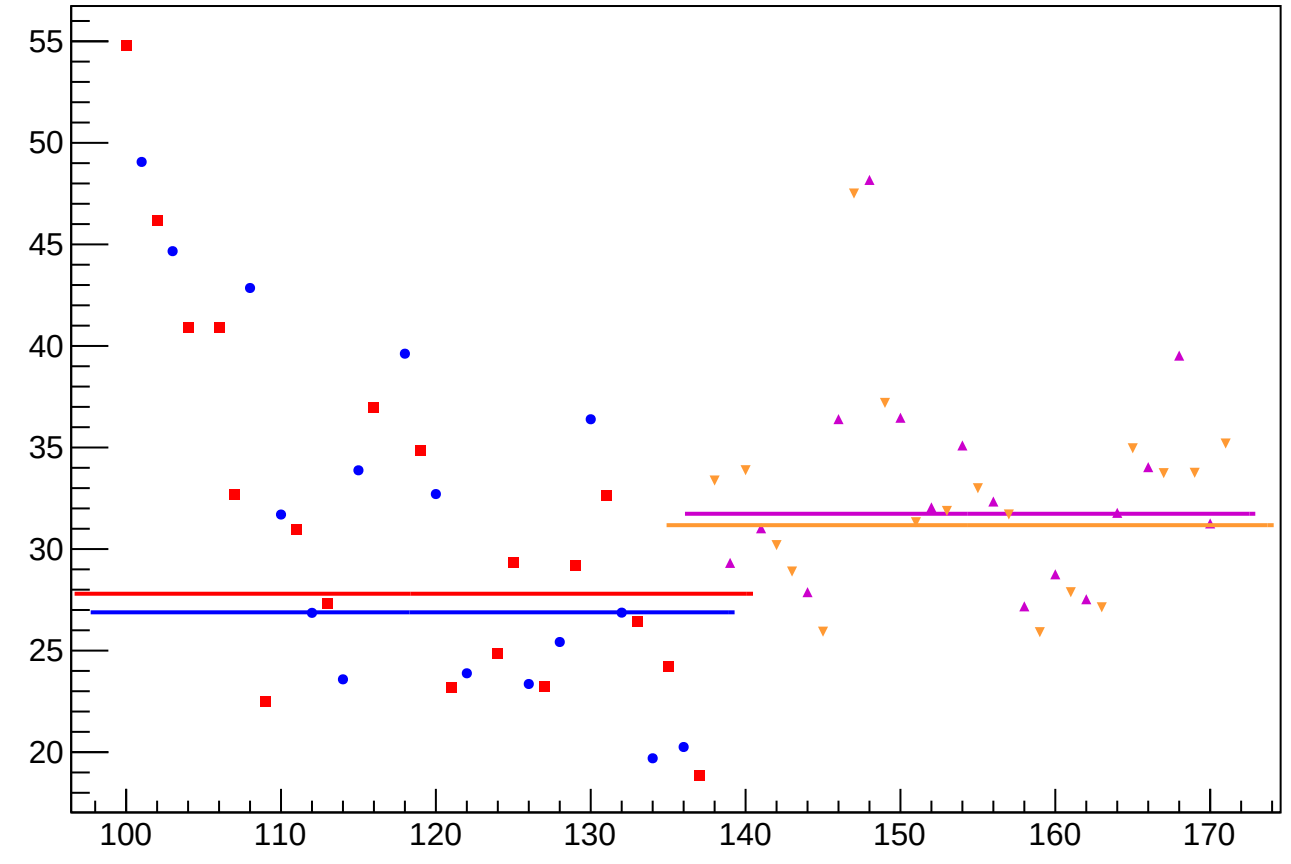
Right Out: 0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.009 χ^2/NDF:17.1/15

+ sign -0.002+/-0.007 χ^2/NDF: 37.9/33

All: 0.003+/-0.005 χ^2/NDF: 70.6/68

- sign 0.009+/-0.007 χ^2/NDF: 31.3/34



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520807.3/17

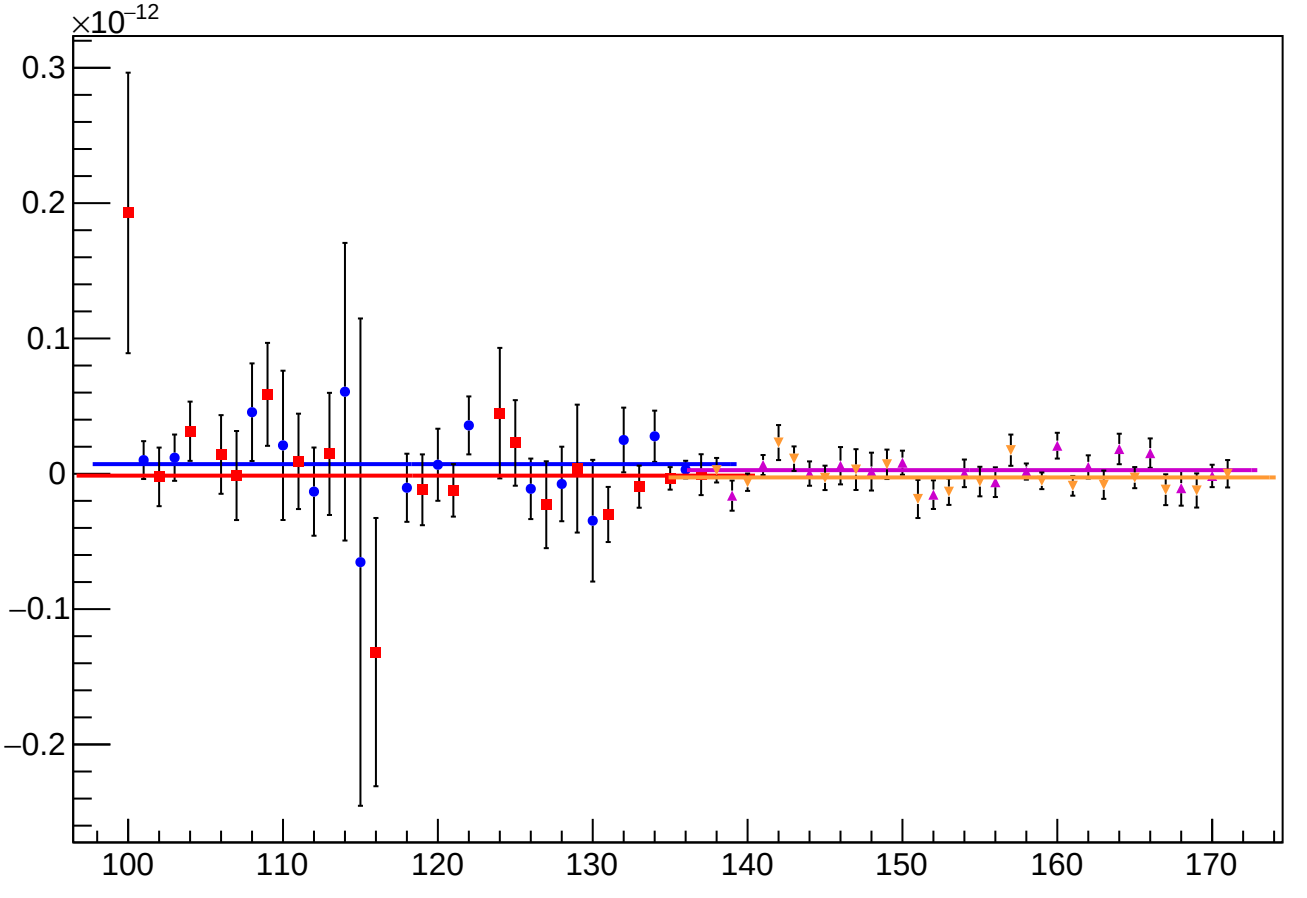
Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.738+/-0.006 χ^2/NDF:491744.4/15

+ sign 29.508+/-0.005 χ^2/NDF: 1845208.6/33

All: 29.797+/-0.003 χ^2/NDF: 3271572.6/68

- sign 30.106+/-0.005 χ^2/NDF: 1418333.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/17

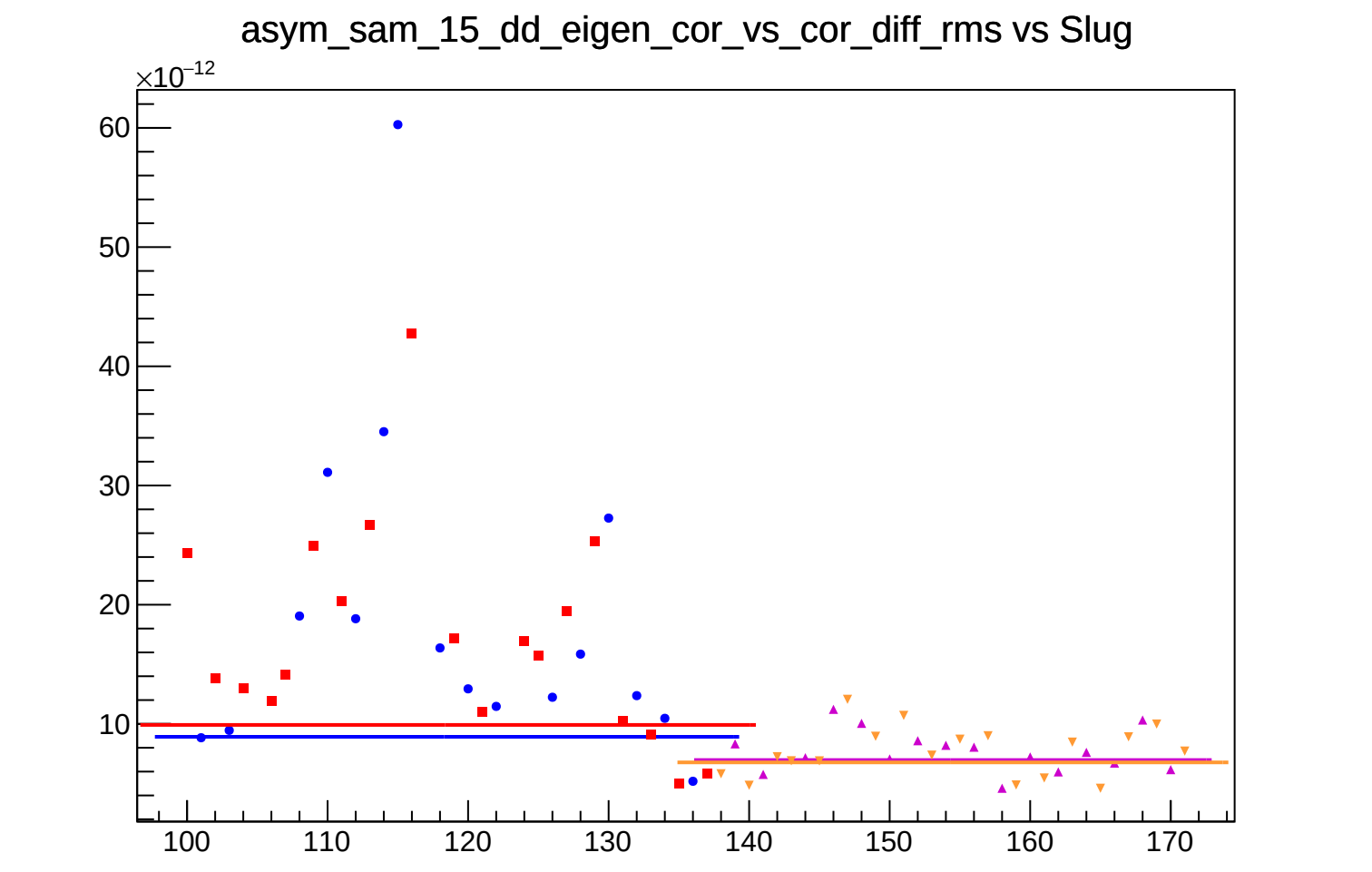
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 28.0/33

All: 0.000+/-0.000 χ^2/NDF: 60.2/68

- sign 0.000+/-0.000 χ^2/NDF: 31.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1515519.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

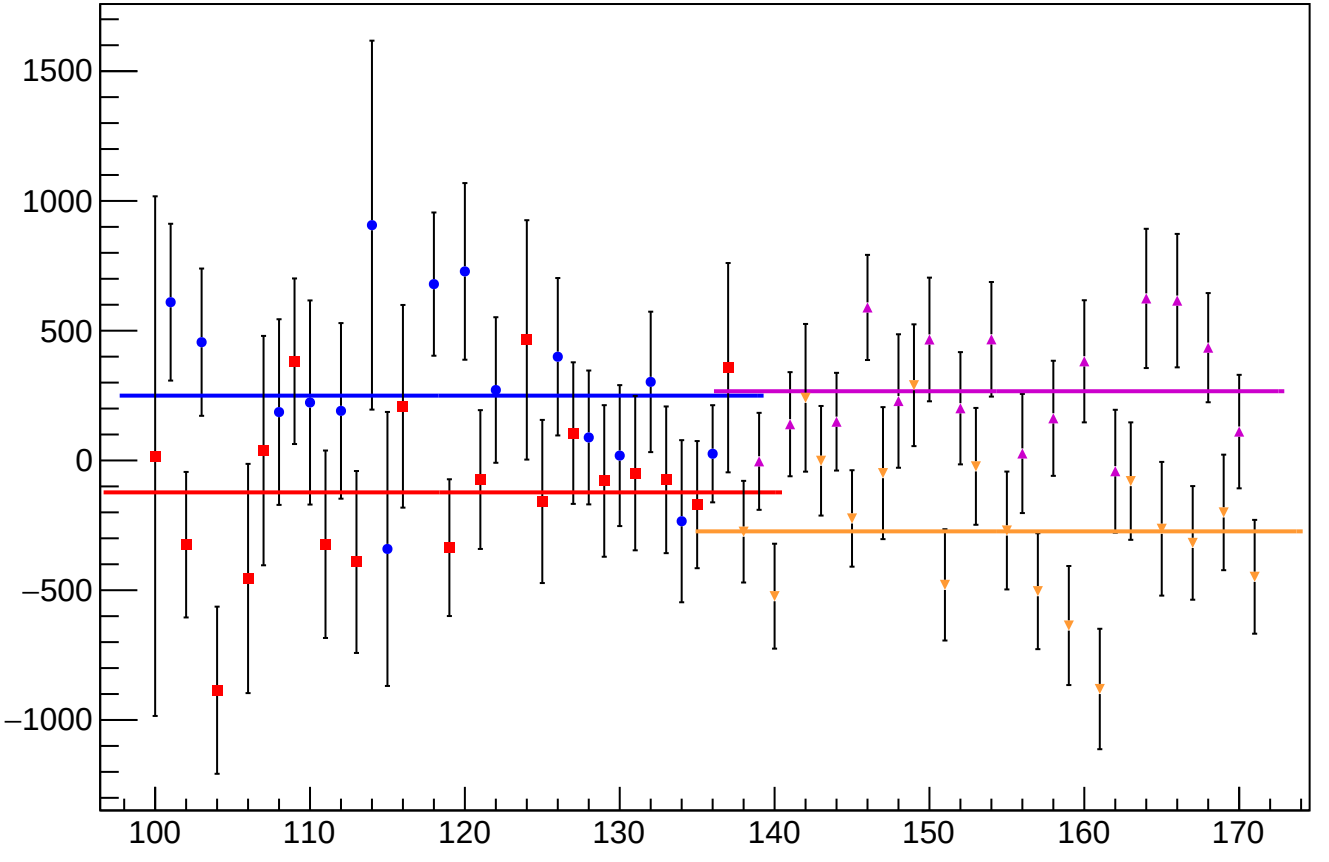
Left In: 0.000+/-0.000 χ^2/NDF:970881.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 4275512.2/33

All: 0.000+/-0.000 χ^2/NDF: 8520700.9/68

- sign 0.000+/-0.000 χ^2/NDF: 4217569.4/34

reg_asym_sam_26_dd_mean vs Slug



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.207+/-52.497 χ^2/NDF:27.2/17

Right Out: -122.993+/-74.370 χ^2/NDF: 15.6/18

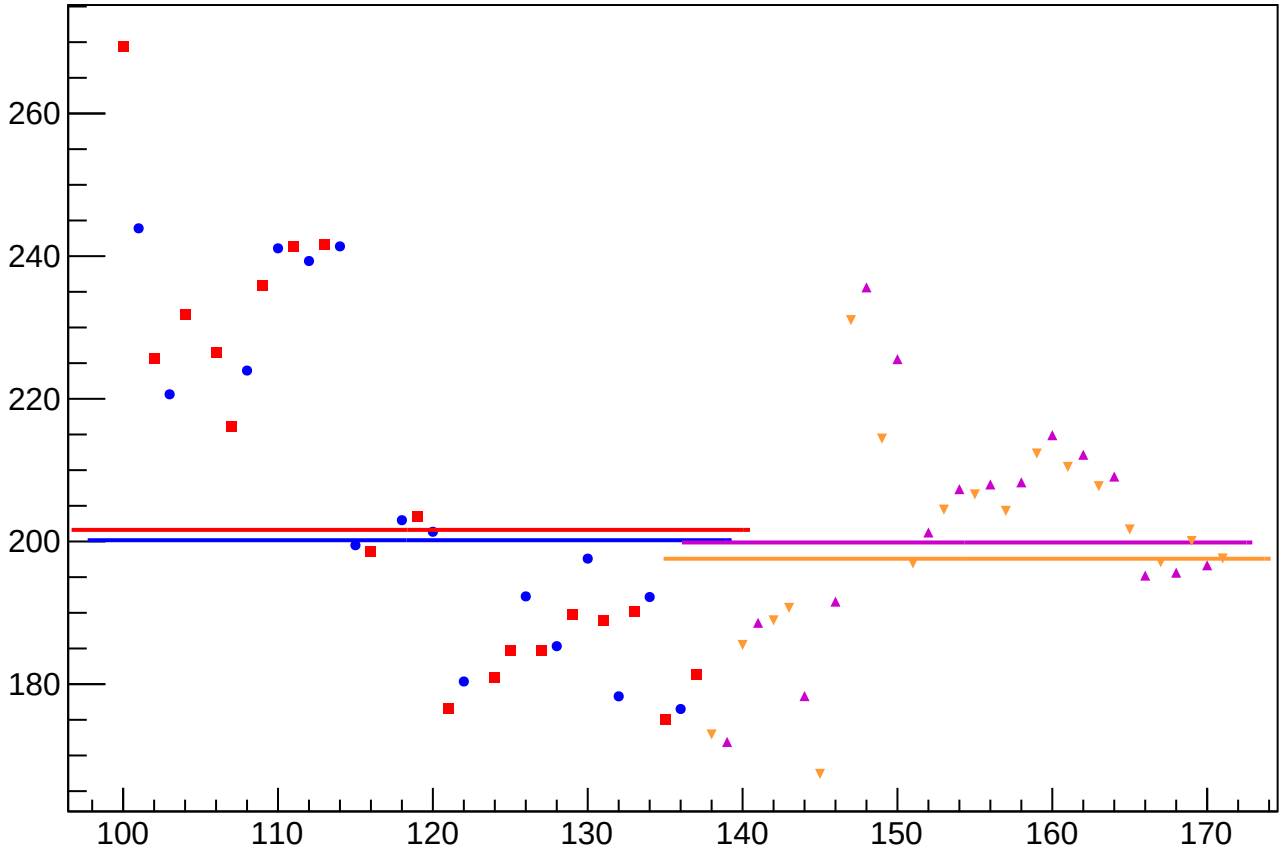
Left In: 266.744+/-55.177 χ^2/NDF:15.1/15

+ sign -100.861+/-42.985 χ^2/NDF: 73.6/33

All: 10.270+/-30.854 χ^2/NDF: 135.8/68

- sign 128.375+/-44.313 χ^2/NDF: 48.3/34

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.3/17

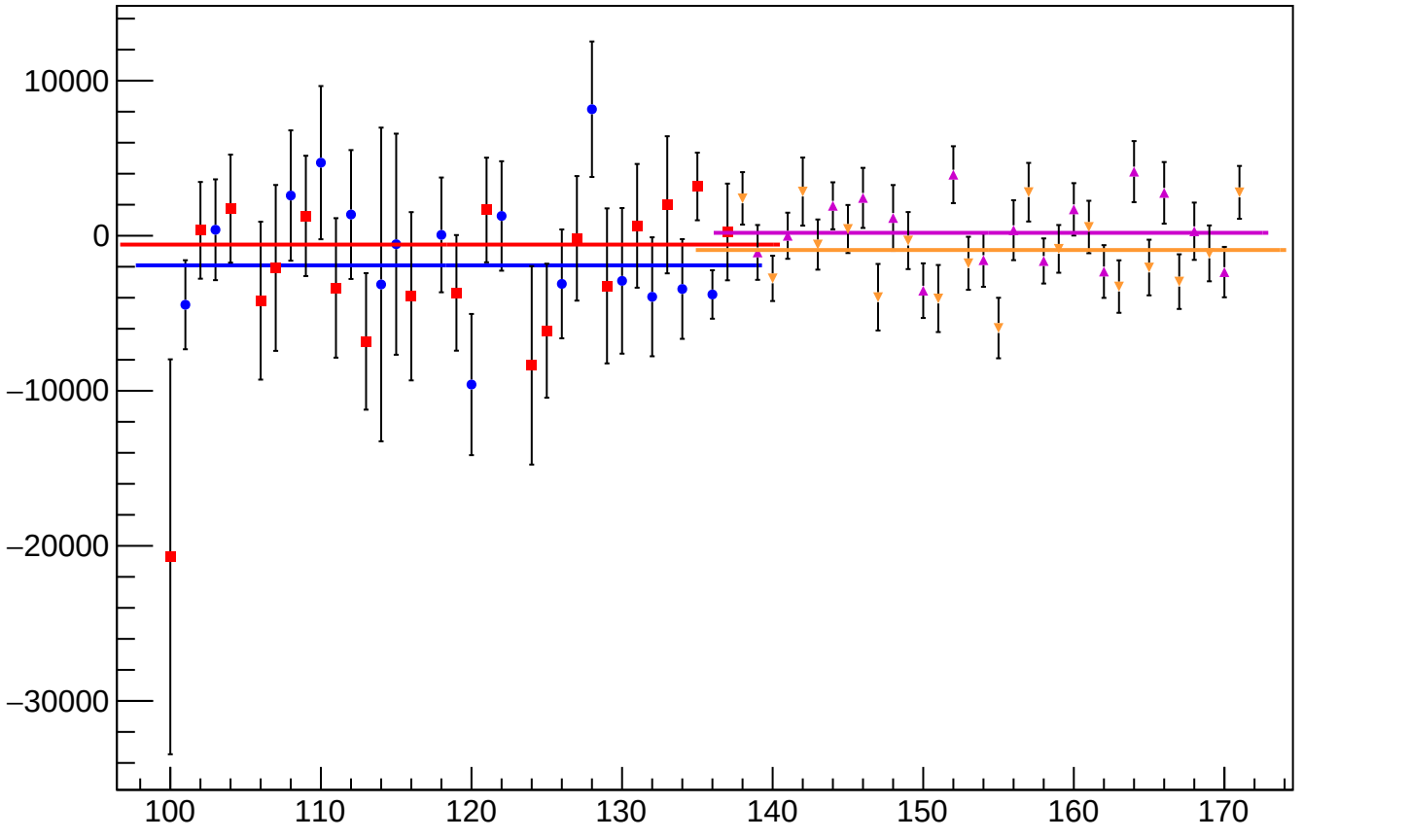
Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

+ sign 198.440+/-0.030 χ^2/NDF: 349038.3/33

All: 199.433+/-0.022 χ^2/NDF: 717379.2/68

- sign 200.488+/-0.031 χ^2/NDF: 366138.7/34



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -922.360+/-413.800 χ^2/NDF:33.4/17

Right Out: -570.946+/-900.451 χ^2/NDF: 14.6/18

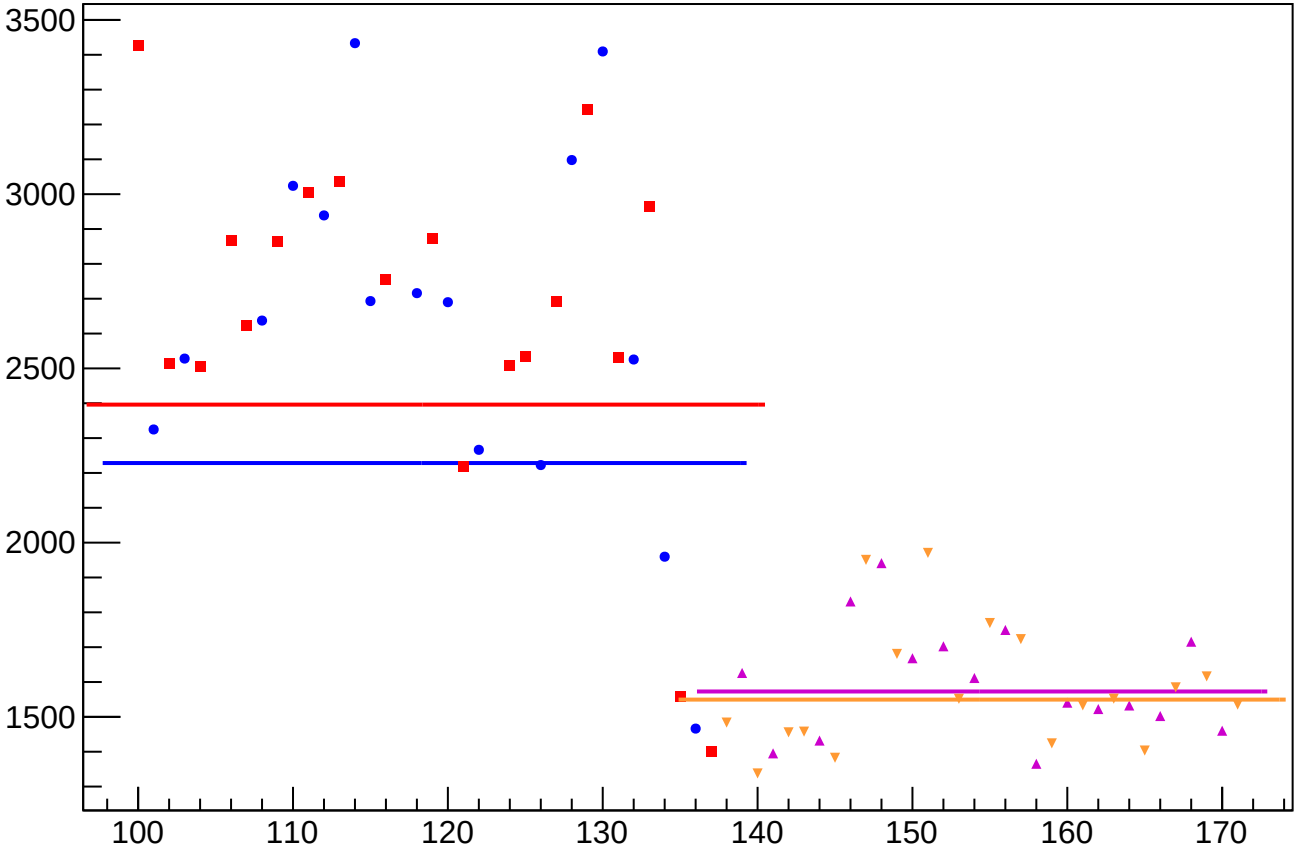
Left In: 186.837+/-435.503 χ^2/NDF:25.8/15

+ sign -1108.417+/-372.807 χ^2/NDF: 50.8/33

All: -561.581+/-270.163 χ^2/NDF: 96.3/68

- sign 43.183+/-392.056 χ^2/NDF: 41.0/34

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1549.559+/-0.293 χ^2/NDF:306882.7/17

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

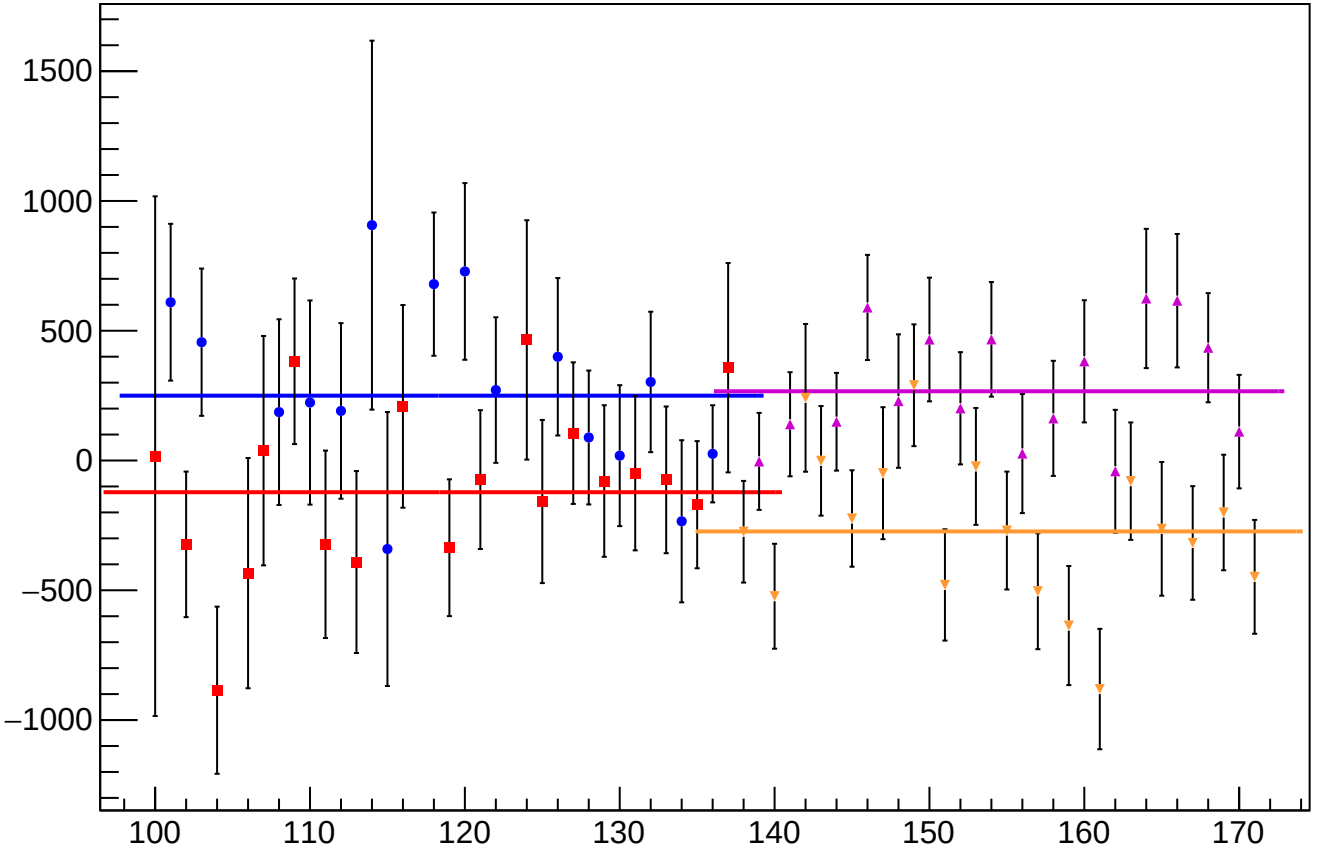
Left In: 1572.850+/-0.308 χ^2/NDF:244964.3/15

+ sign 1677.403+/-0.264 χ^2/NDF: 2268254.2/33

All: 1701.862+/-0.191 χ^2/NDF: 4685561.1/68

- sign 1728.912+/-0.277 χ^2/NDF: 2399178.1/34

cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.203+/-52.497 χ^2/NDF:27.2/17

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

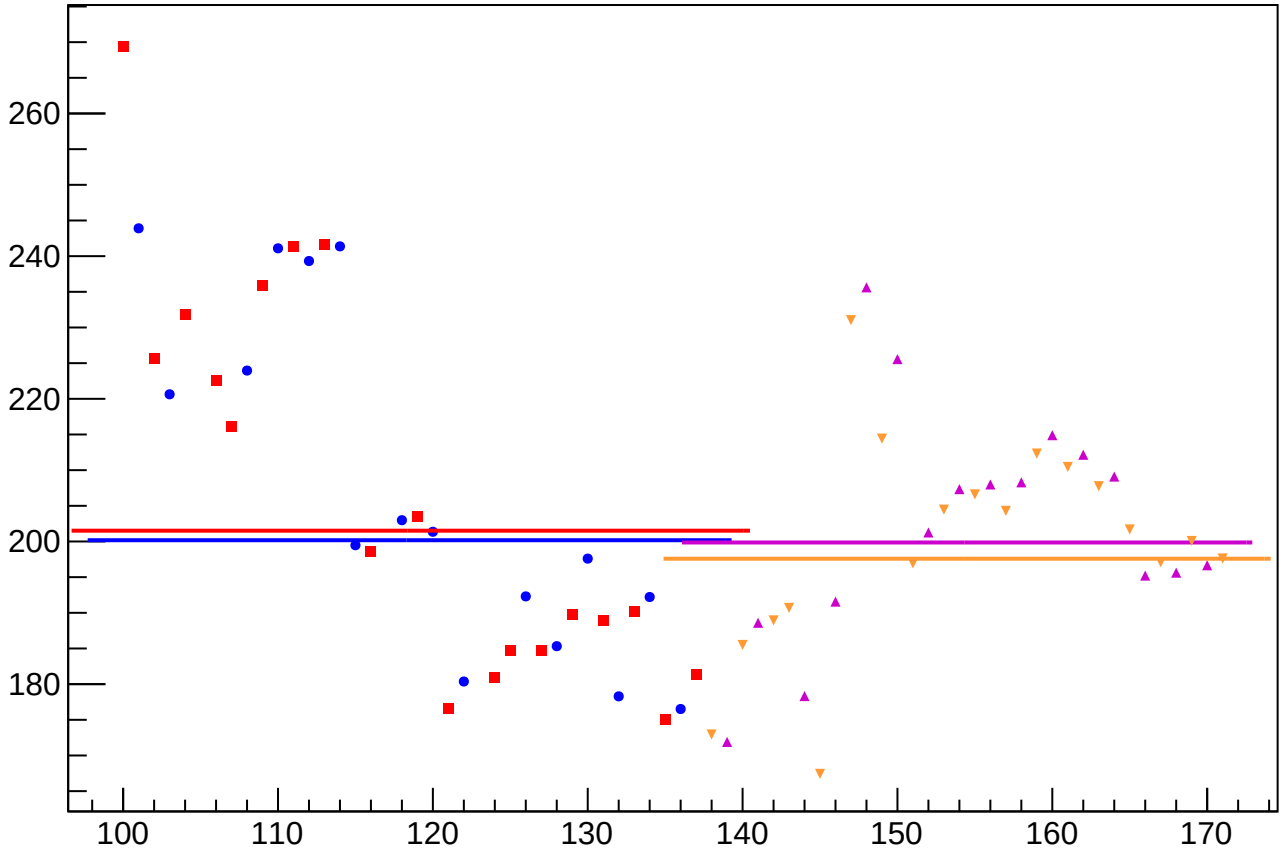
Left In: 266.748+/-55.177 χ^2/NDF:15.1/15

+ sign -100.857+/-42.985 χ^2/NDF: 73.6/33

All: 10.414+/-30.854 χ^2/NDF: 135.6/68

- sign 128.680+/-44.315 χ^2/NDF: 48.2/34

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.4/17

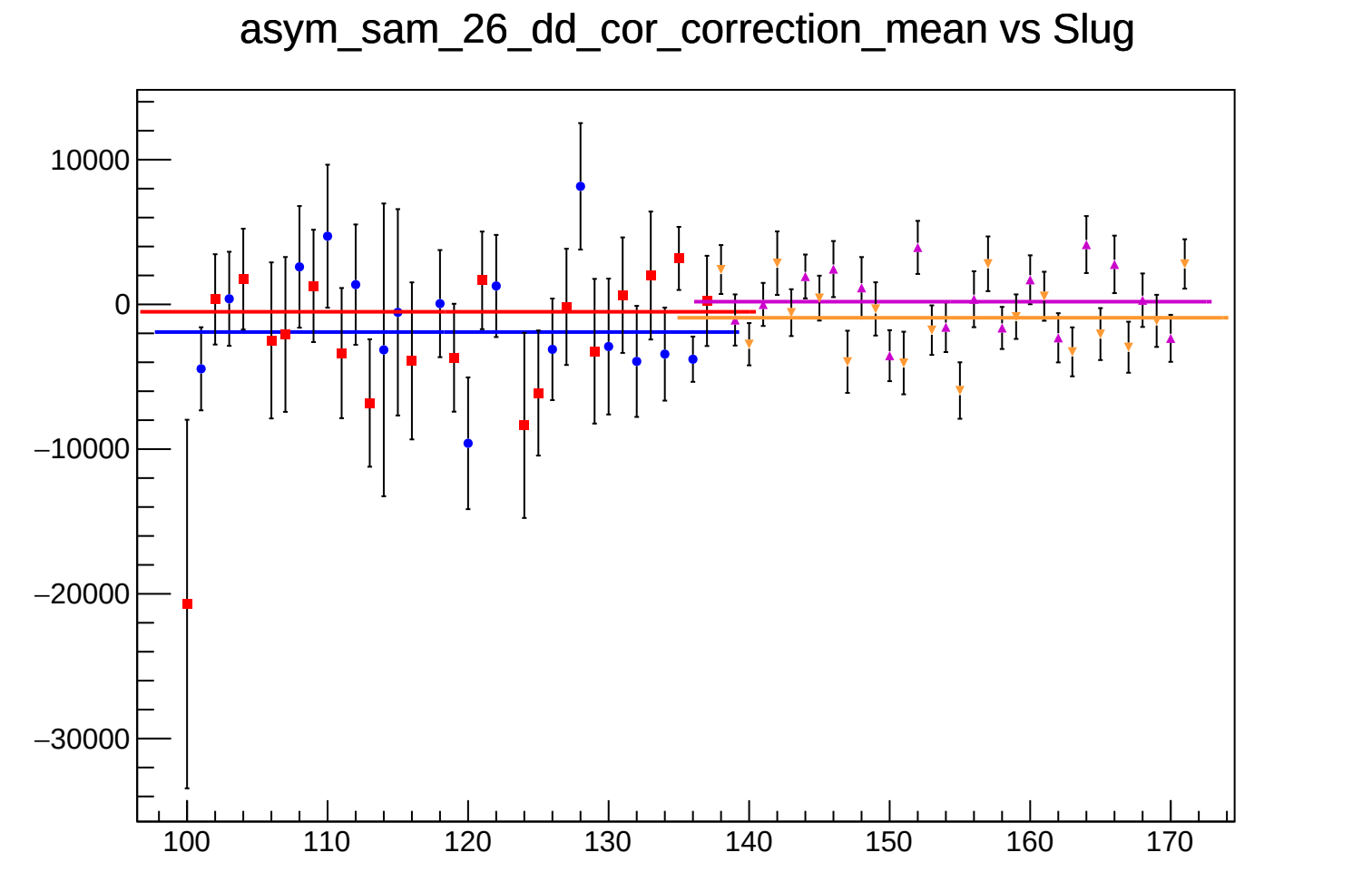
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

+ sign 198.440+/-0.030 χ^2/NDF: 349038.6/33

All: 199.413+/-0.022 χ^2/NDF: 715389.4/68

- sign 200.448+/-0.031 χ^2/NDF: 364234.2/34



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -922.359+/-413.801 χ^2/NDF:33.4/17

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

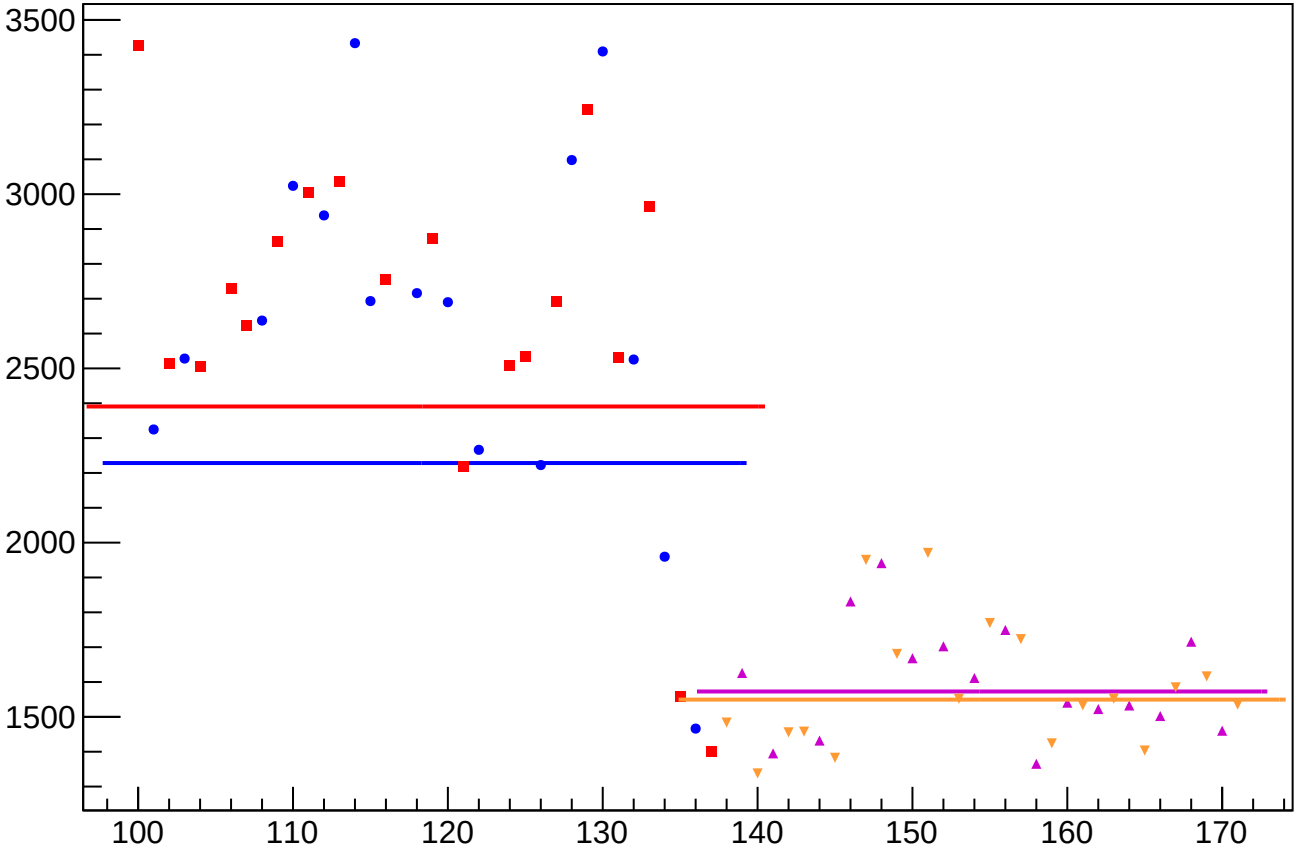
Left In: 186.833+/-435.503 χ^2/NDF:25.8/15

+ sign -1108.408+/-372.807 χ^2/NDF: 50.8/33

All: -556.221+/-270.205 χ^2/NDF: 95.9/68

- sign 54.862+/-392.185 χ^2/NDF: 40.5/34

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1549.560+/-0.293 χ^2/NDF:306882.6/17

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

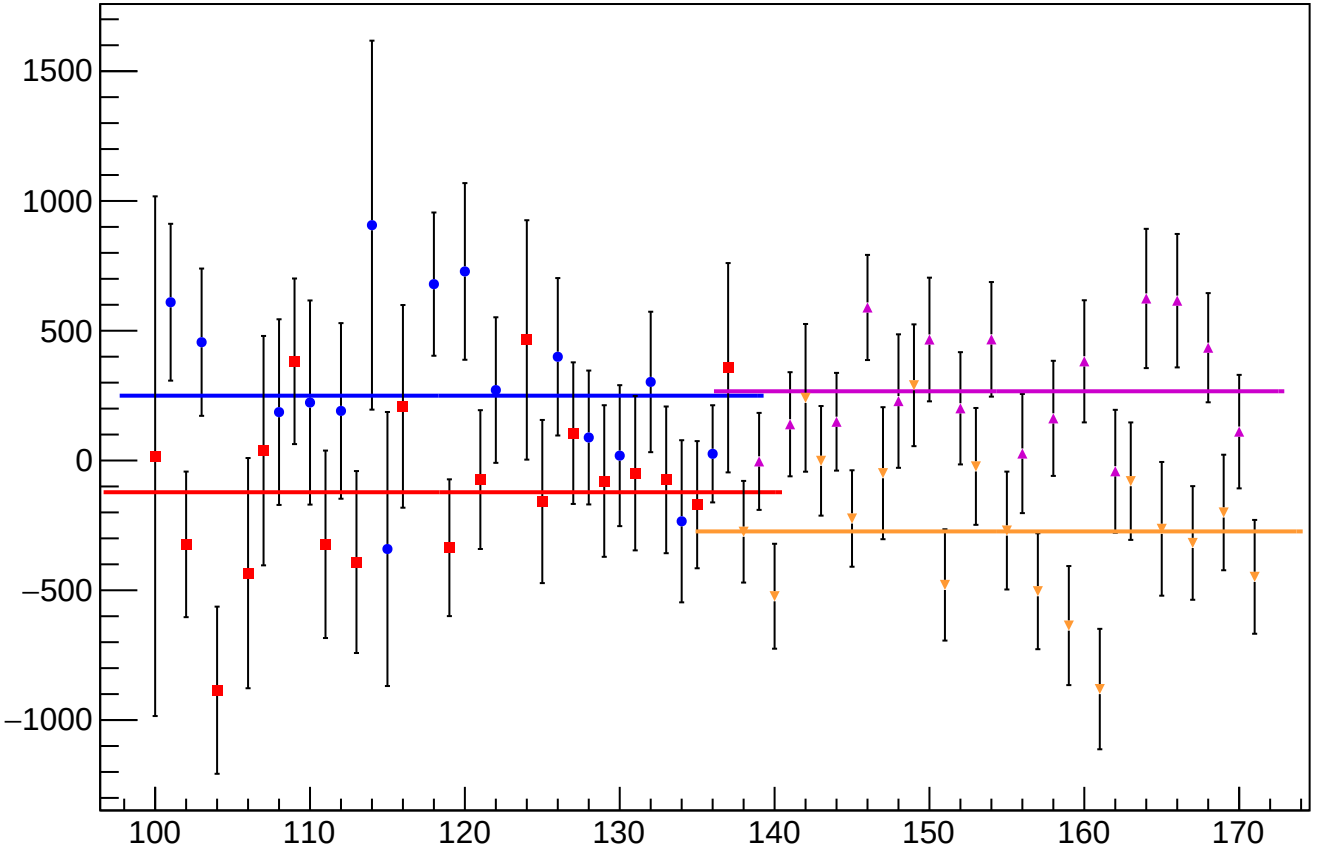
Left In: 1572.850+/-0.308 χ^2/NDF:244965.1/15

+ sign 1677.404+/-0.264 χ^2/NDF: 2268265.0/33

All: 1701.166+/-0.191 χ^2/NDF: 4653818.3/68

- sign 1727.463+/-0.277 χ^2/NDF: 2368436.3/34

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.203+/-52.497 χ^2/NDF:27.2/17

Right Out: -122.210+/-74.380 χ^2/NDF: 15.5/18

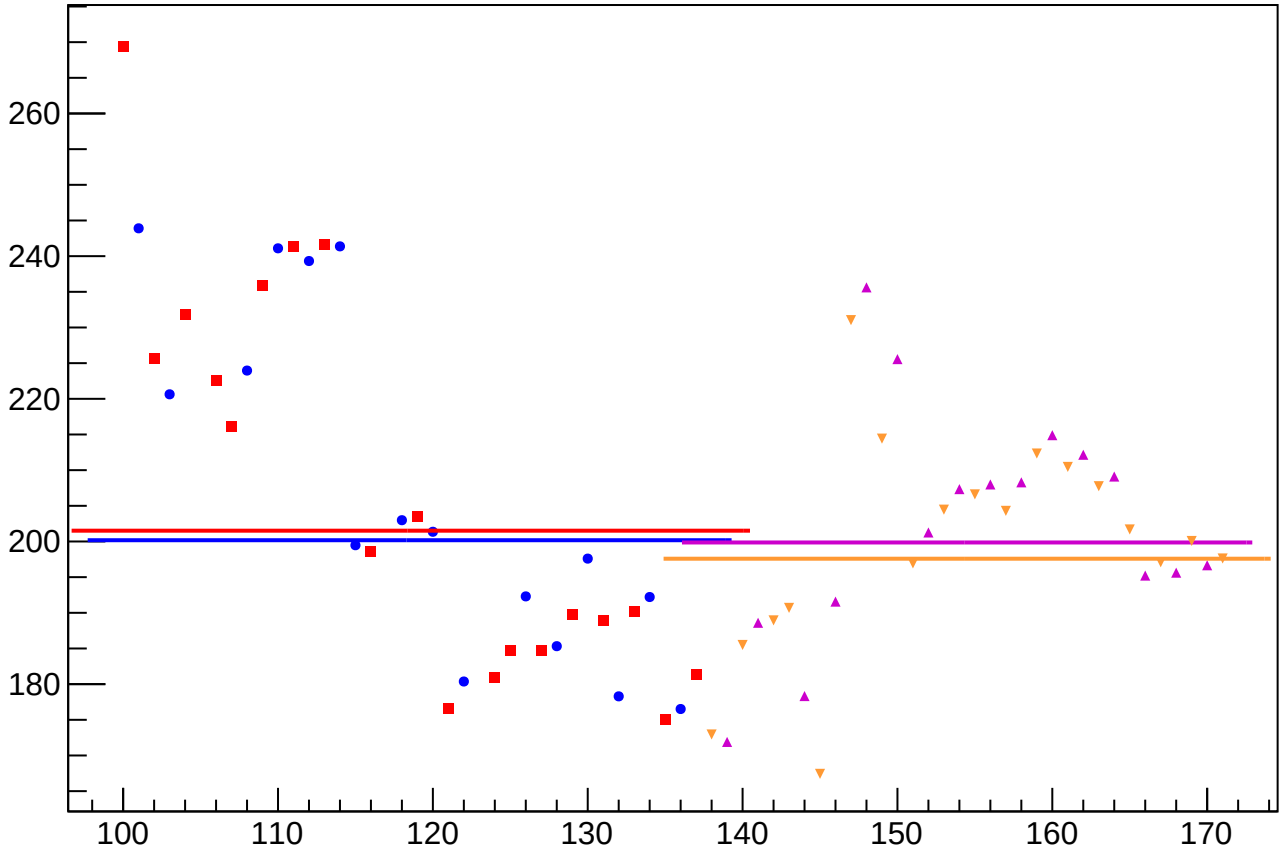
Left In: 266.748+/-55.177 χ^2/NDF:15.1/15

+ sign -100.857+/-42.985 χ^2/NDF: 73.6/33

All: 10.414+/-30.854 χ^2/NDF: 135.6/68

- sign 128.680+/-44.315 χ^2/NDF: 48.2/34

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.4/17

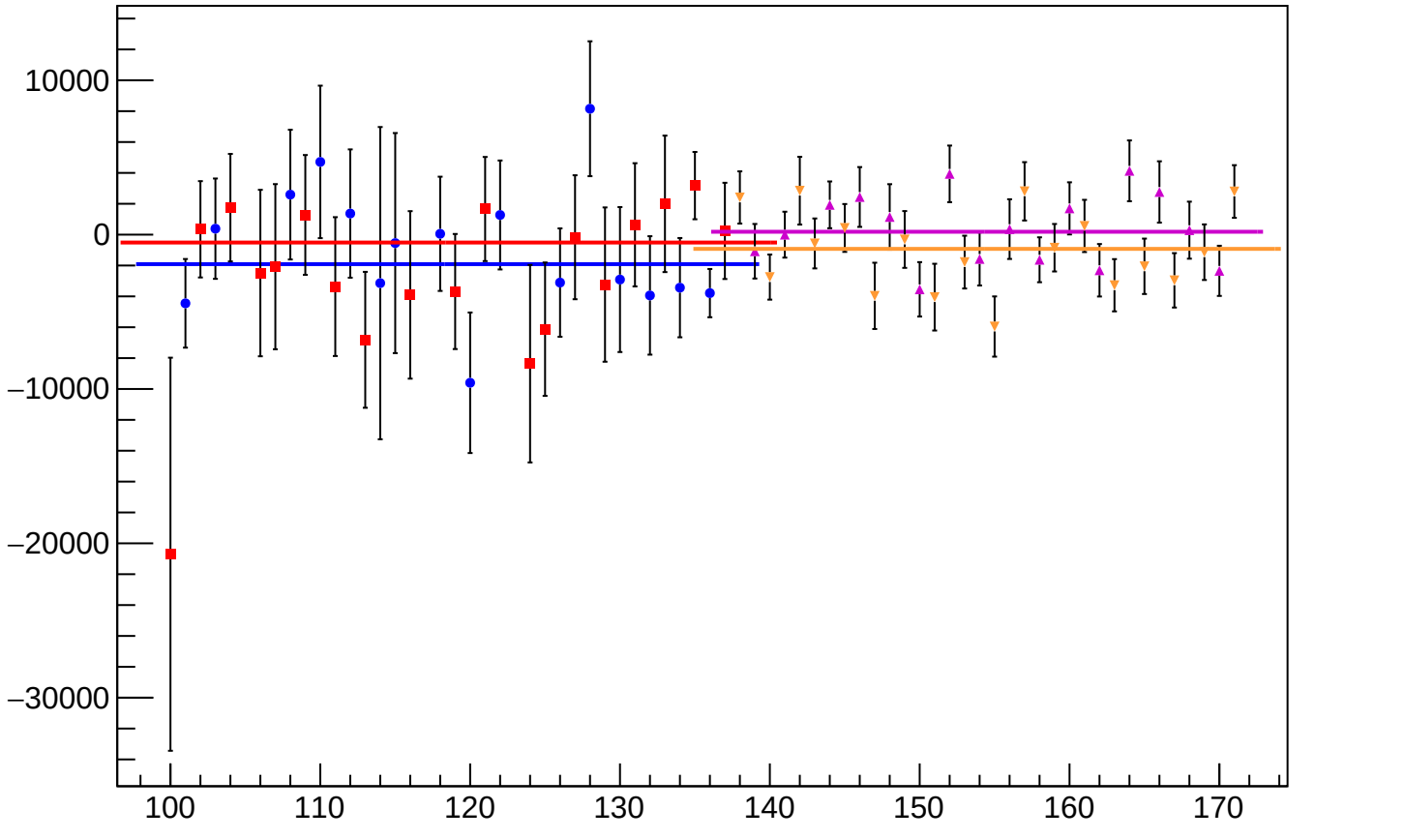
Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.861+/-0.039 χ^2/NDF:168165.9/15

+ sign 198.440+/-0.030 χ^2/NDF: 349038.6/33

All: 199.413+/-0.022 χ^2/NDF: 715389.4/68

- sign 200.448+/-0.031 χ^2/NDF: 364234.2/34



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -922.359+/-413.801 χ^2/NDF:33.4/17

Right Out: -511.276+/-902.014 χ^2/NDF: 14.2/18

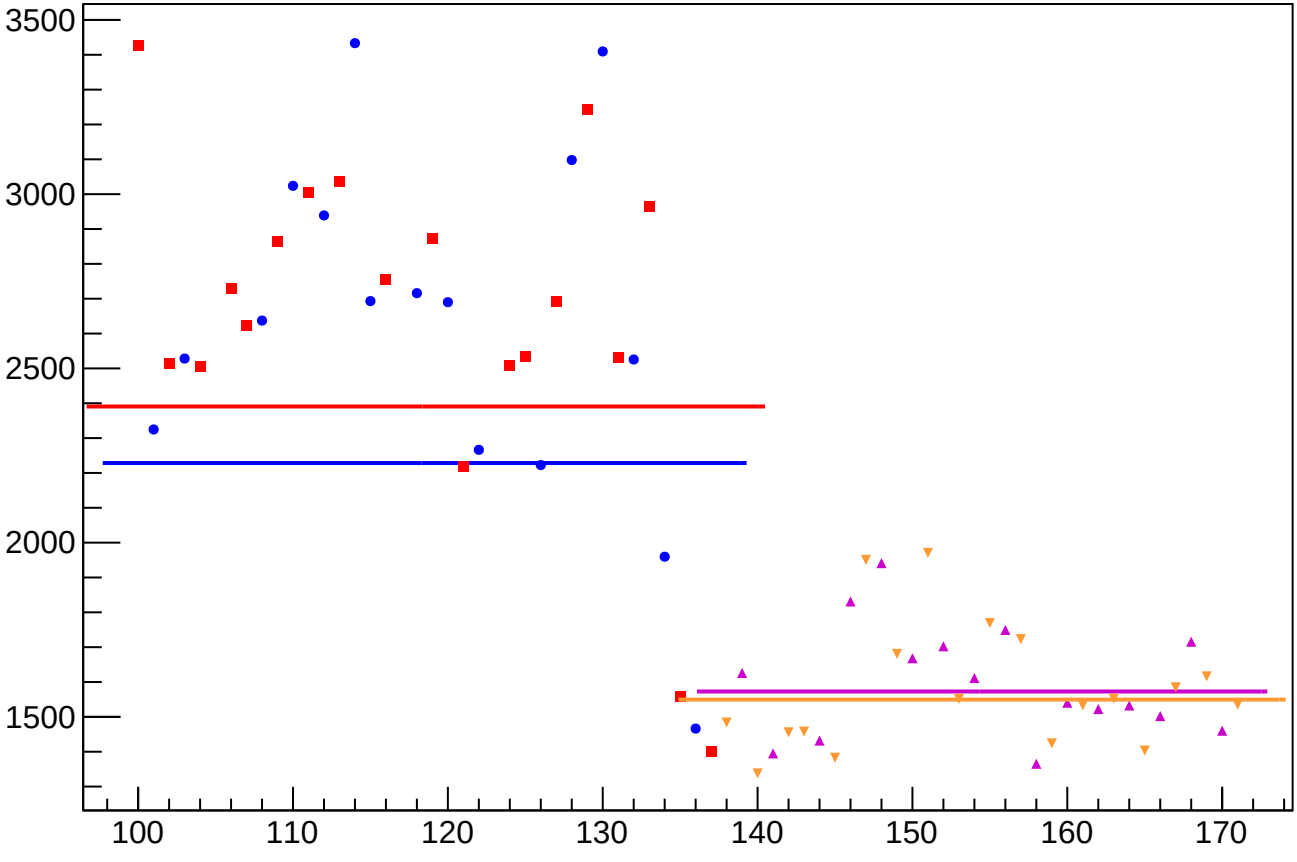
Left In: 186.833+/-435.503 χ^2/NDF:25.8/15

+ sign -1108.408+/-372.807 χ^2/NDF: 50.8/33

All: -556.221+/-270.205 χ^2/NDF: 95.9/68

- sign 54.862+/-392.185 χ^2/NDF: 40.5/34

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1549.560+/-0.293 χ^2/NDF:306882.6/17

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

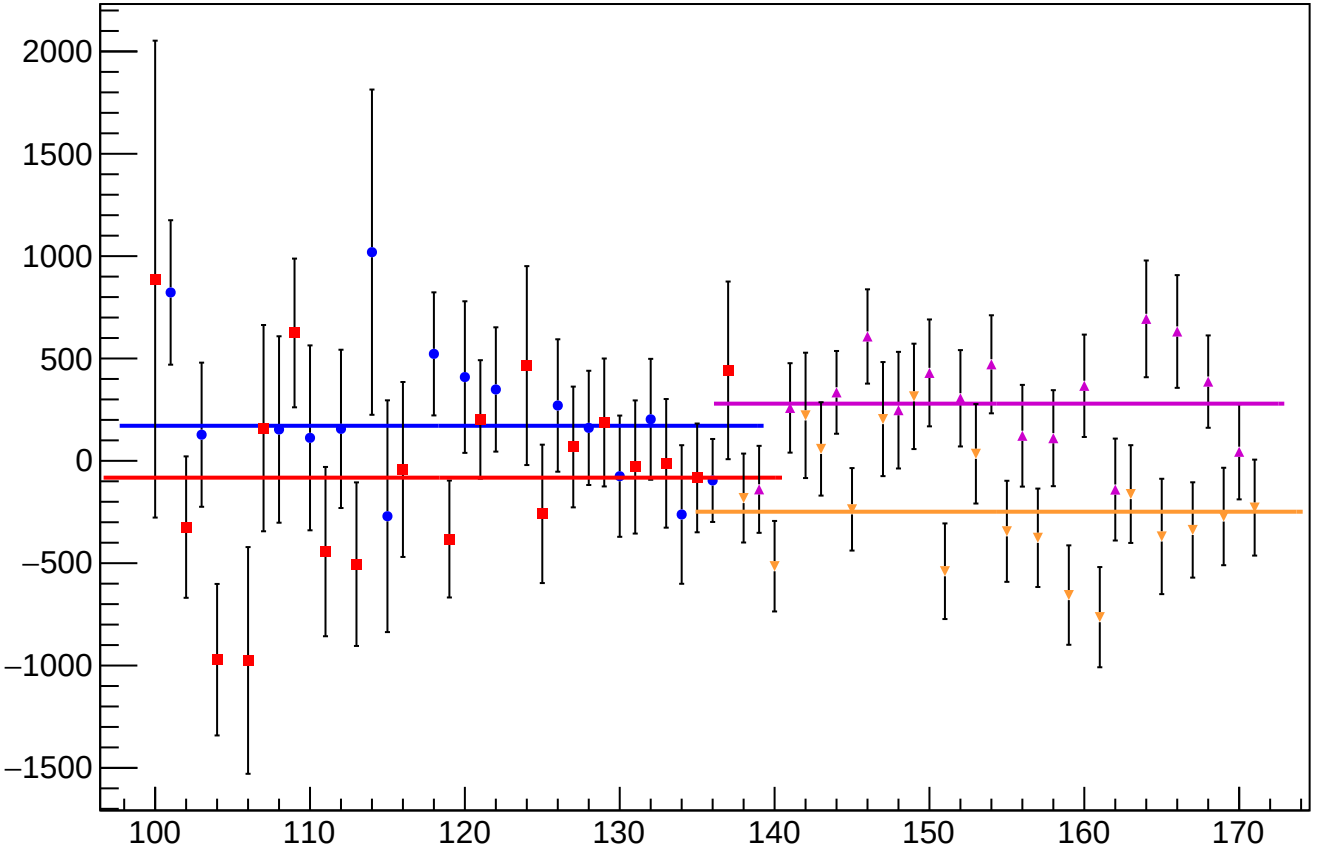
Left In: 1572.850+/-0.308 χ^2/NDF:244965.1/15

+ sign 1677.404+/-0.264 χ^2/NDF: 2268265.0/33

All: 1701.166+/-0.191 χ^2/NDF: 4653818.3/68

- sign 1727.463+/-0.277 χ^2/NDF: 2368436.3/34

dit_asym_sam_26_dd_mean vs Slug



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -248.547+/-56.688 χ^2/NDF:24.2/17

Right Out: -82.152+/-82.545 χ^2/NDF: 21.6/18

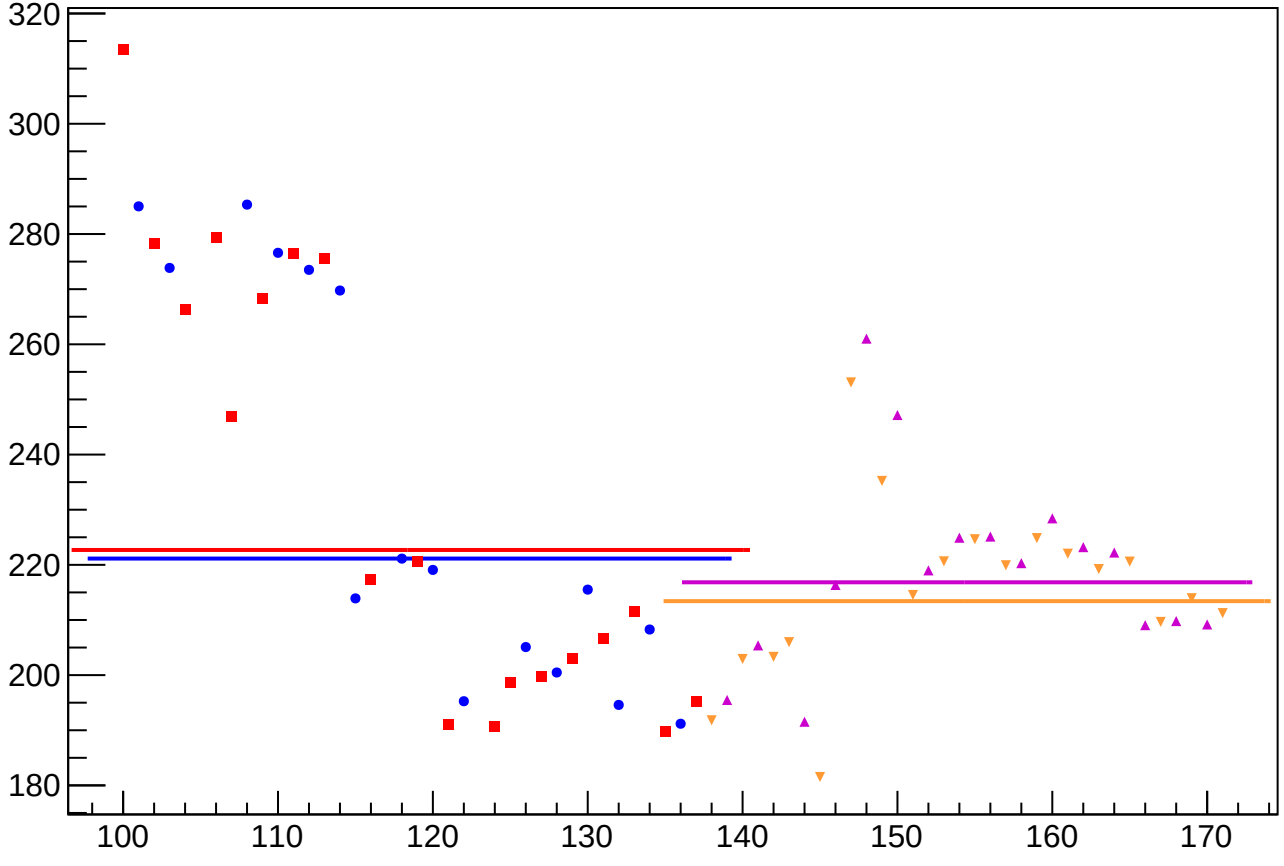
Left In: 279.362+/-59.867 χ^2/NDF:15.9/15

+ sign -115.265+/-46.832 χ^2/NDF: 53.1/33

All: 15.122+/-33.677 χ^2/NDF: 119.2/68

- sign 154.748+/-48.463 χ^2/NDF: 50.1/34

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.417+/-0.040 χ^2/NDF:151119.3/17

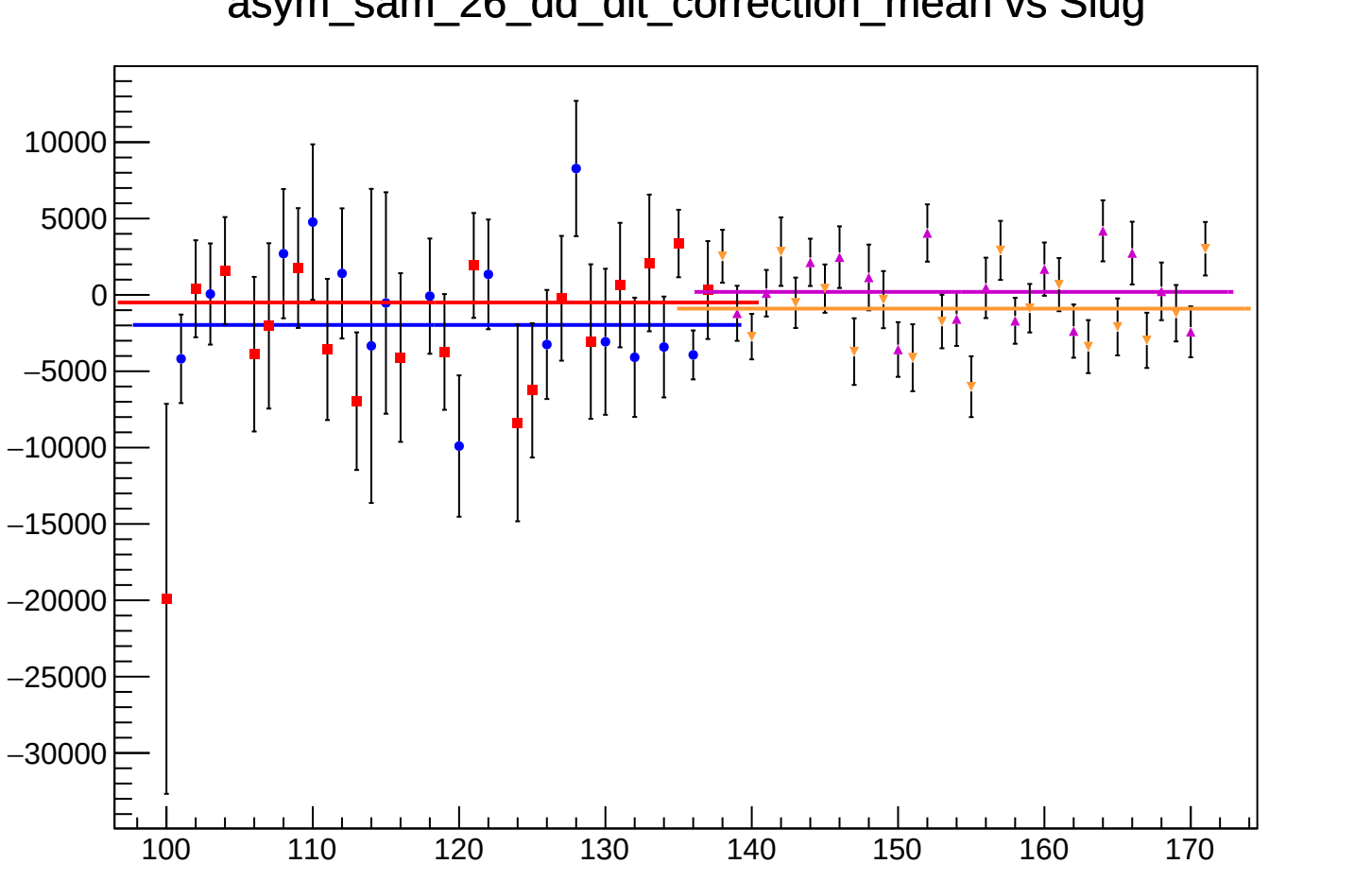
Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.835+/-0.042 χ^2/NDF:149239.0/15

\+ sign 215.869+/-0.033 χ^2/NDF: 481603.3/33

All: 217.311+/-0.024 χ^2/NDF: 968414.1/68

\- sign 218.855+/-0.034 χ^2/NDF: 482882.9/34



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -899.172+/-423.772 χ^2/NDF:33.2/17

Right Out: -497.281+/-914.759 χ^2/NDF: 14.8/18

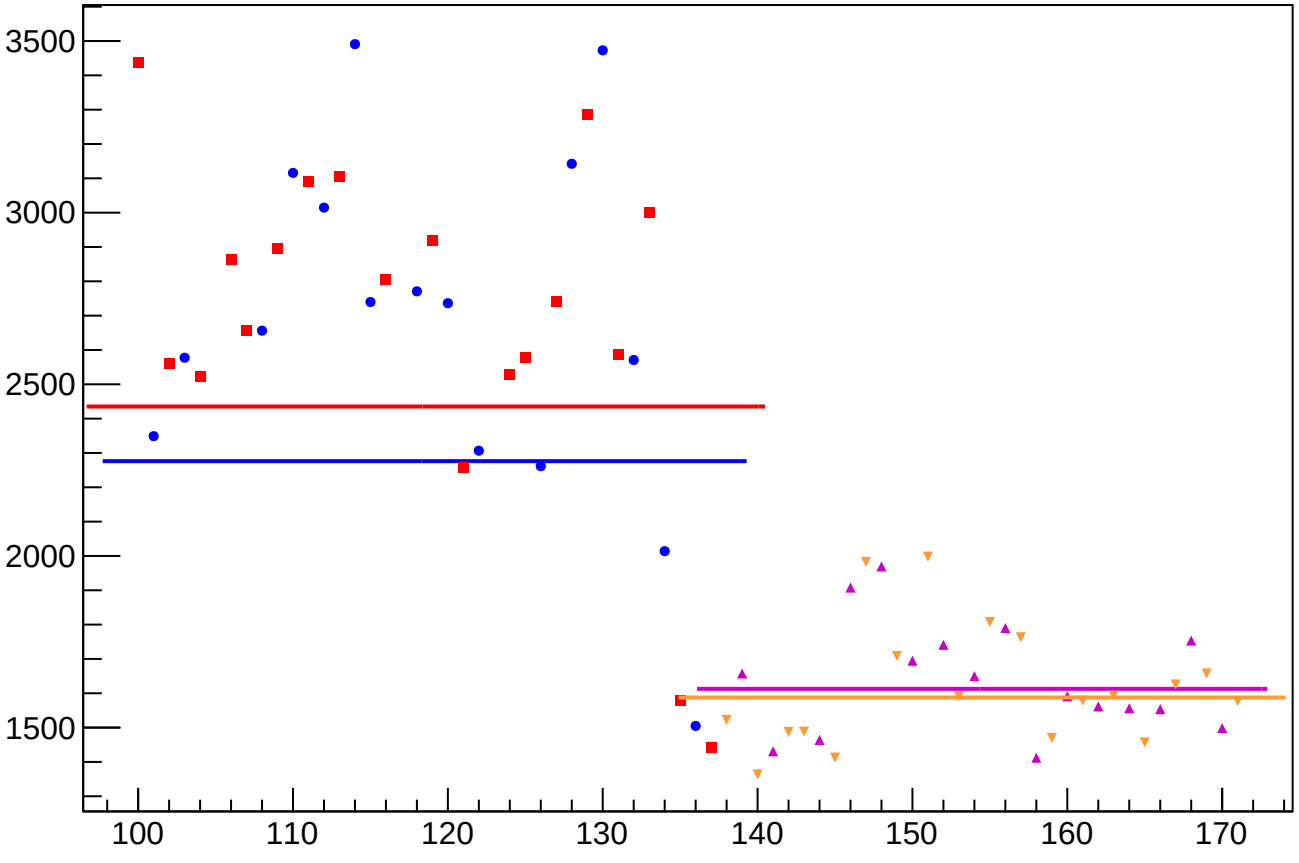
Left In: 196.198+/-446.466 χ^2/NDF:25.8/15

+ sign -1101.526+/-381.529 χ^2/NDF: 50.6/33

All: -548.653+/-276.484 χ^2/NDF: 96.0/68

- sign 62.784+/-401.228 χ^2/NDF: 41.0/34

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1587.665+/-0.300 χ^2/NDF:293479.8/17

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

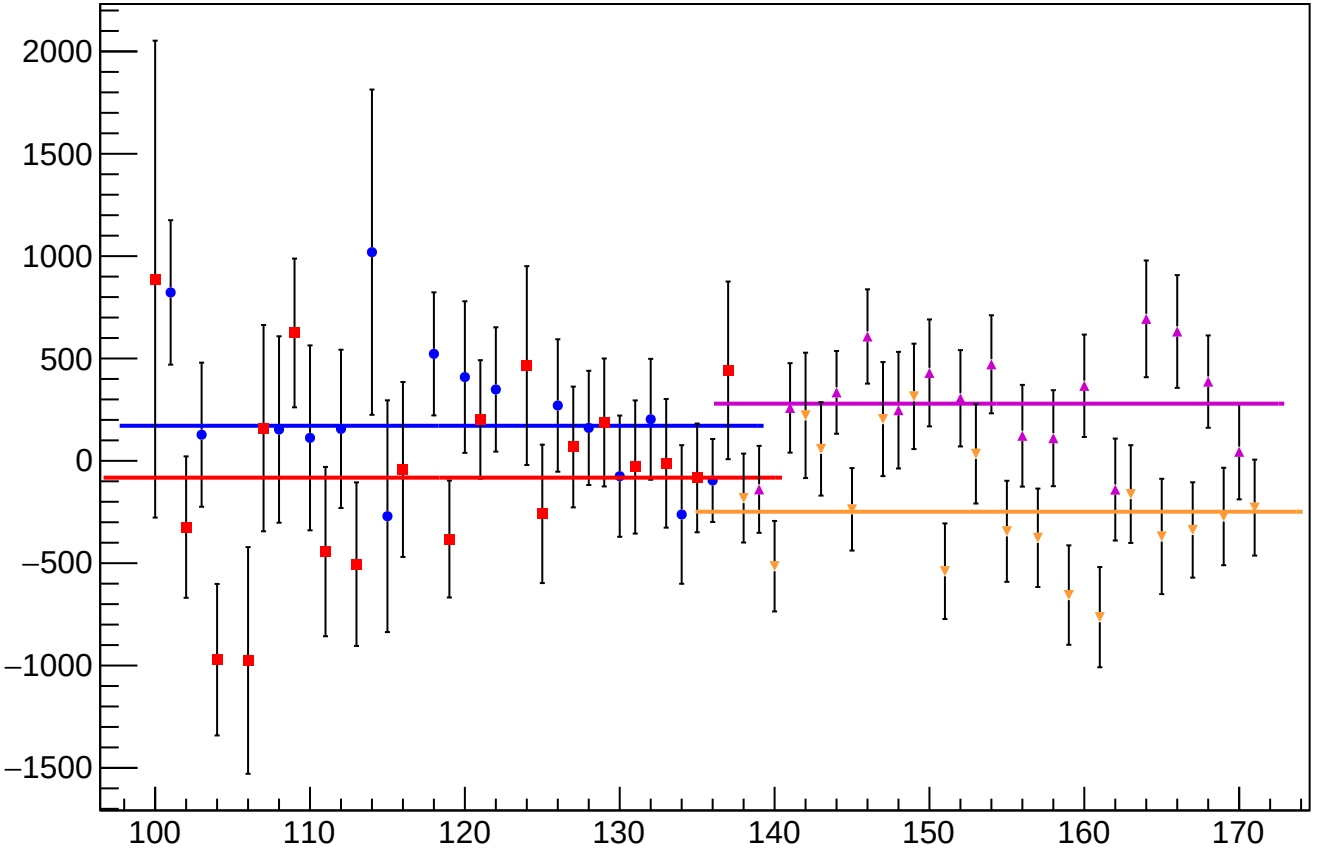
Left In: 1612.901+/-0.316 χ^2/NDF:237477.3/15

+ sign 1718.080+/-0.270 χ^2/NDF: 2220413.0/33

All: 1743.270+/-0.196 χ^2/NDF: 4573468.2/68

- sign 1771.128+/-0.284 χ^2/NDF: 2334695.8/34

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -248.549+/-56.688 χ^2/NDF:24.2/17

Right Out: -82.150+/-82.545 χ^2/NDF: 21.6/18

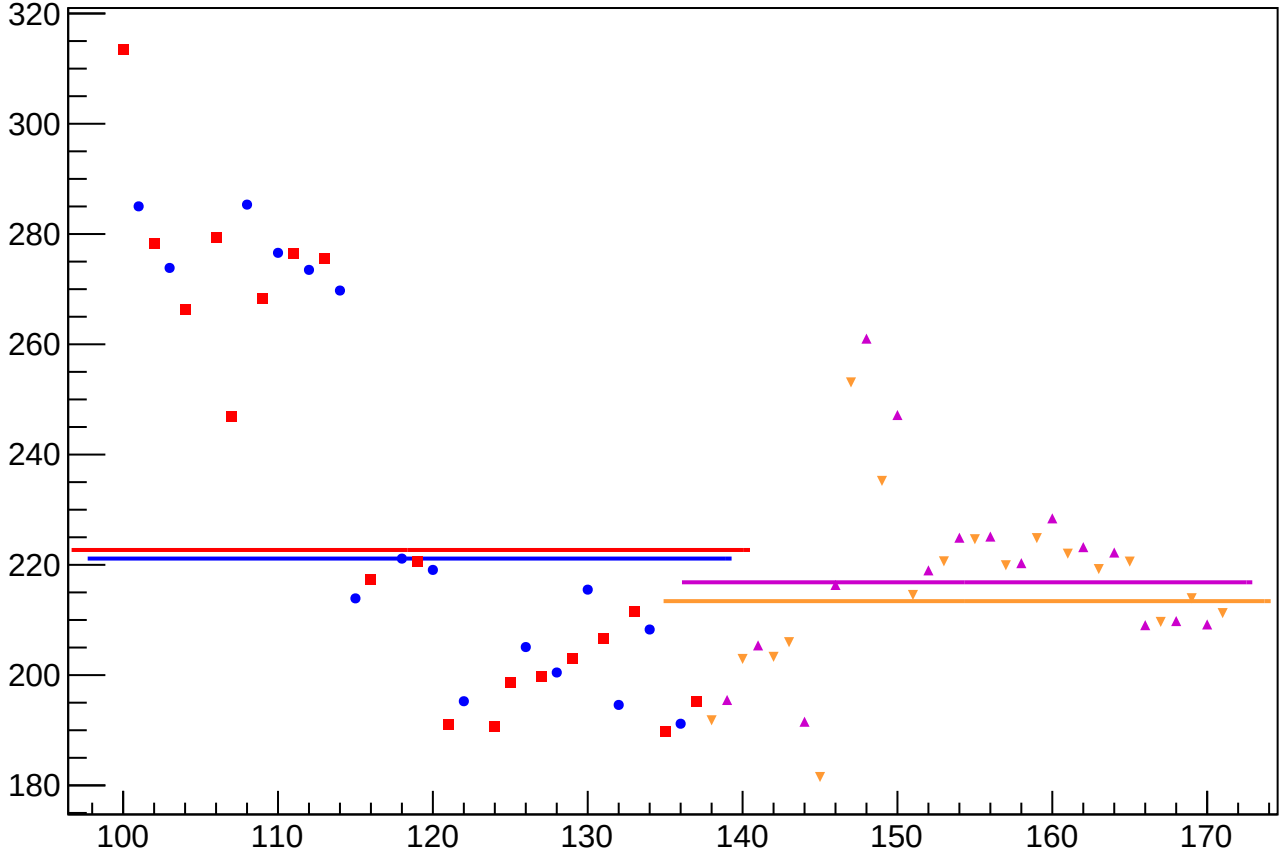
Left In: 279.364+/-59.867 χ^2/NDF:15.9/15

+ sign -115.265+/-46.832 χ^2/NDF: 53.1/33

All: 15.123+/-33.677 χ^2/NDF: 119.2/68

- sign 154.751+/-48.463 χ^2/NDF: 50.1/34

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.417+/-0.040 χ^2/NDF:151123.4/17

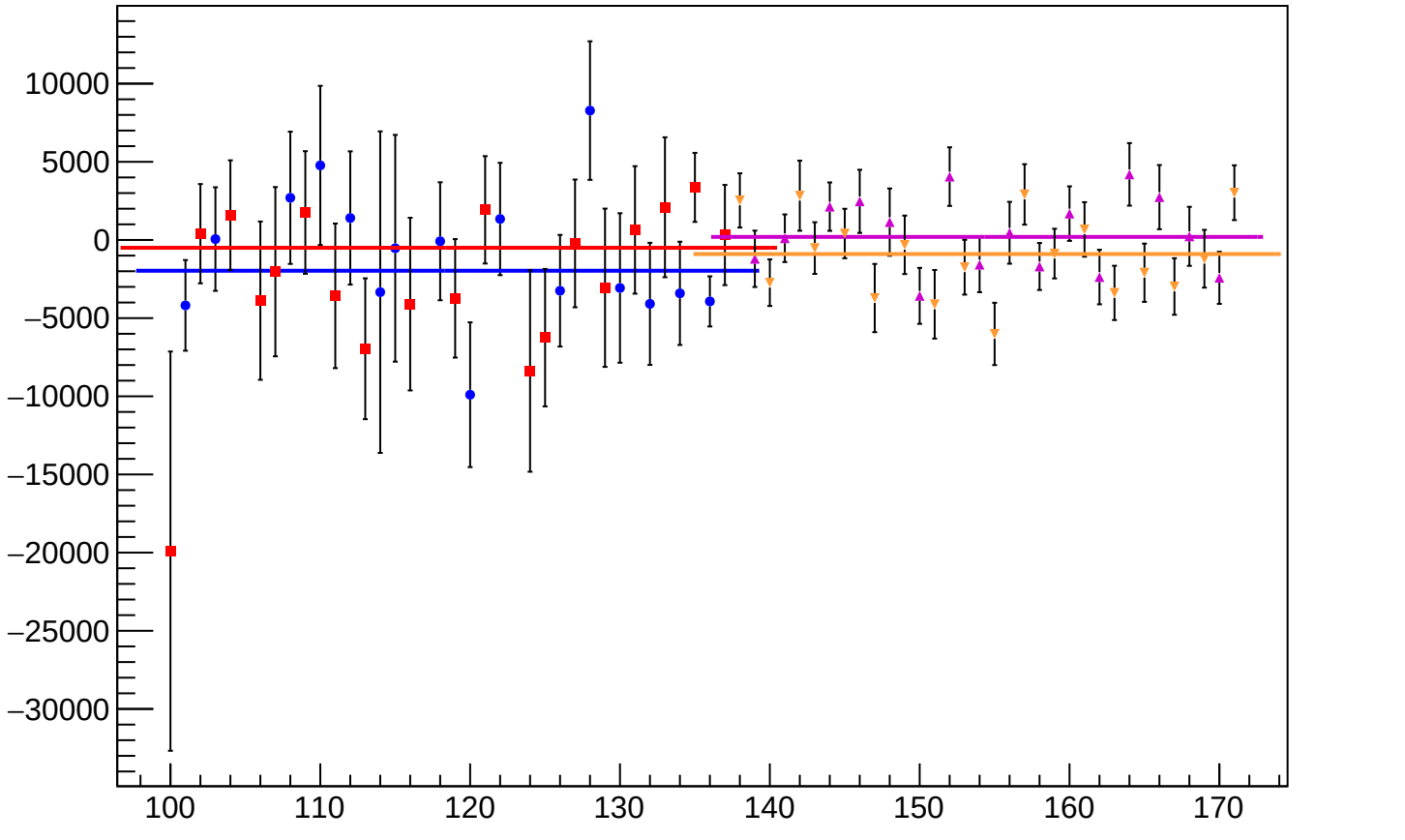
Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.834+/-0.042 χ^2/NDF:149241.7/15

+ sign 215.868+/-0.033 χ^2/NDF: 481599.3/33

All: 217.311+/-0.024 χ^2/NDF: 968404.2/68

- sign 218.855+/-0.034 χ^2/NDF: 482877.0/34



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -899.172+/-423.772 χ^2/NDF:33.2/17

Right Out: -497.282+/-914.757 χ^2/NDF: 14.8/18

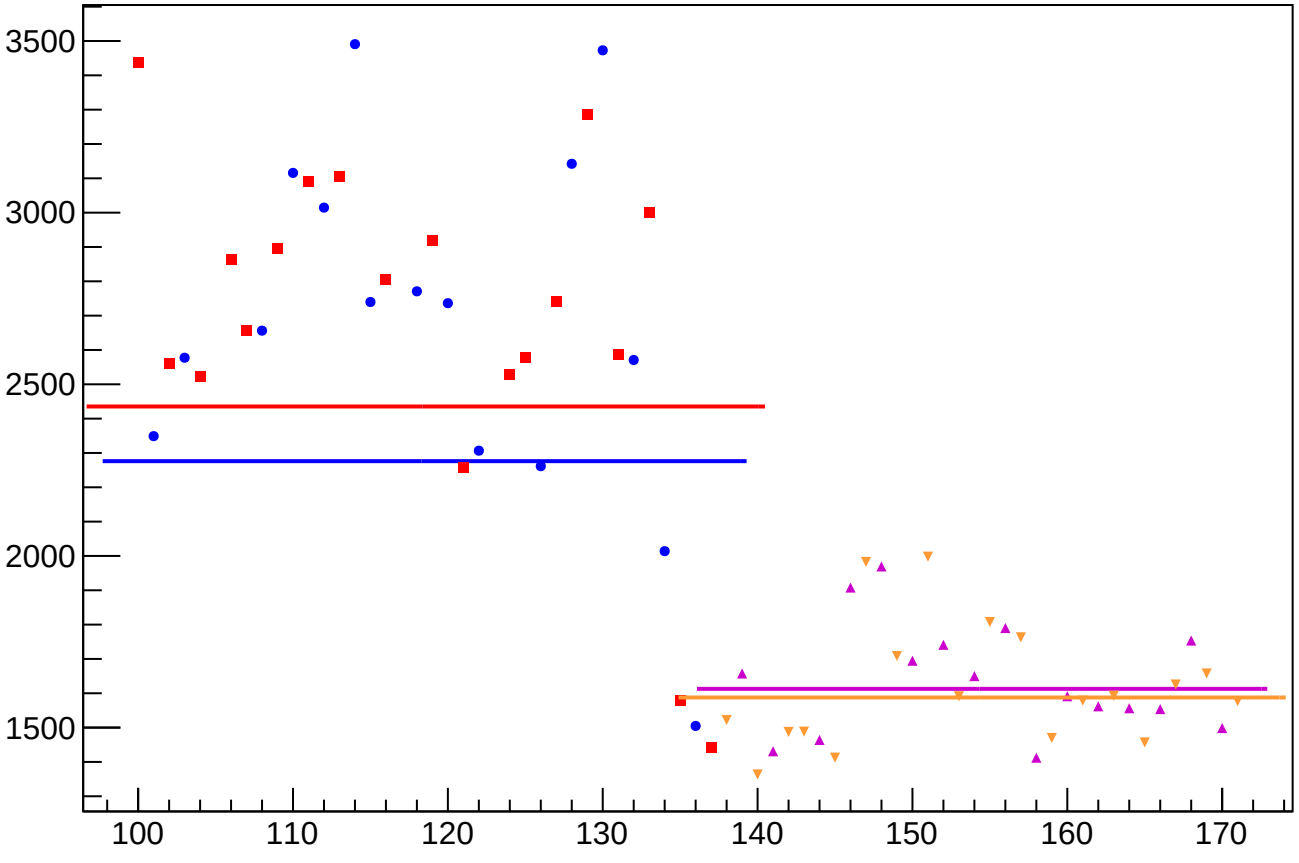
Left In: 196.197+/-446.466 χ^2/NDF:25.8/15

+ sign -1101.526+/-381.529 χ^2/NDF: 50.6/33

All: -548.653+/-276.483 χ^2/NDF: 96.0/68

- sign 62.783+/-401.227 χ^2/NDF: 41.0/34

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1587.665+/-0.300 χ^2/NDF:293482.9/17

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

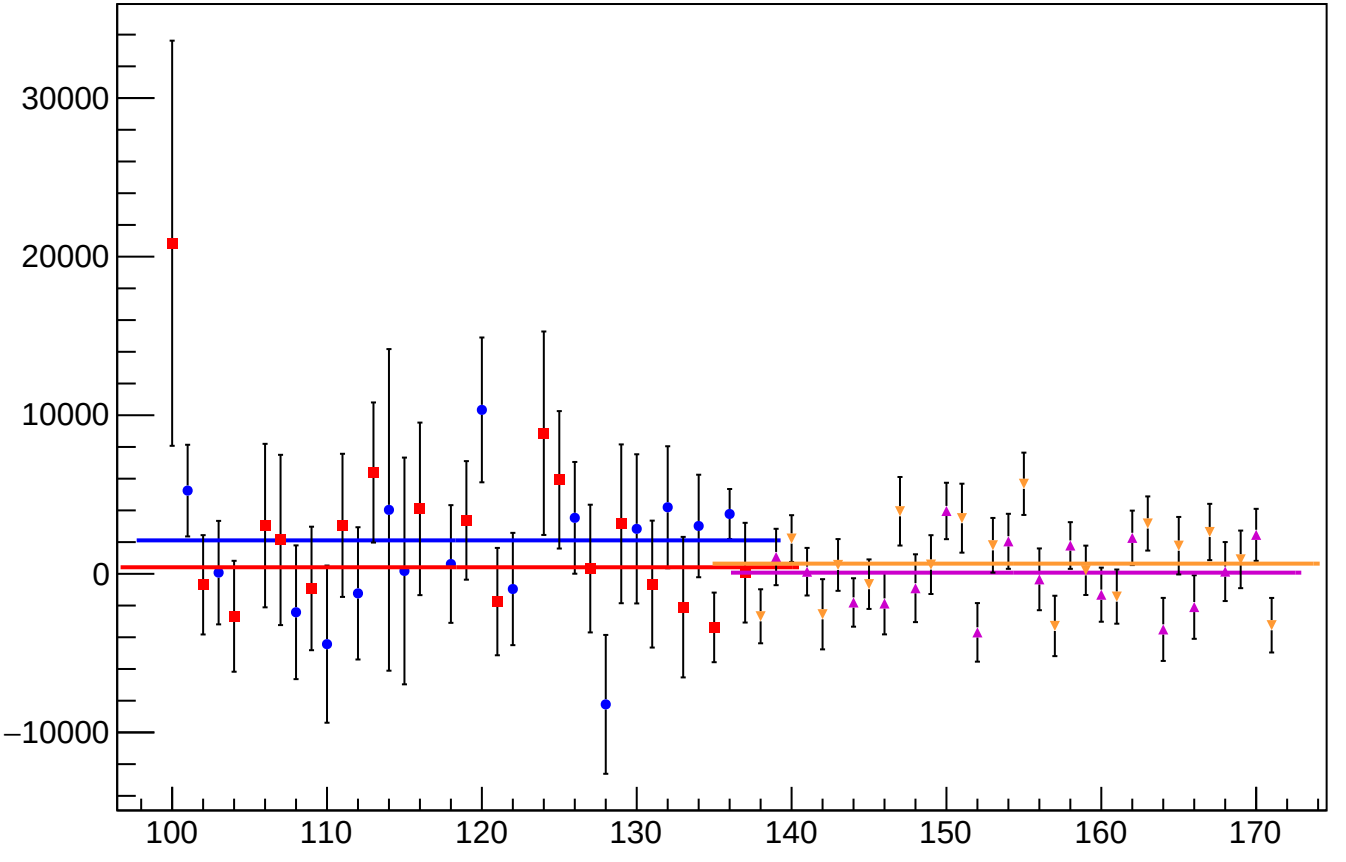
Left In: 1612.901+/-0.316 χ^2/NDF:237479.5/15

+ sign 1718.080+/-0.270 χ^2/NDF: 2220402.0/33

All: 1743.269+/-0.196 χ^2/NDF: 4573447.0/68

- sign 1771.127+/-0.284 χ^2/NDF: 2334685.7/34

asym_sam_26_dd_mean vs Slug



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 642.850+/-417.286 χ^2/NDF:33.6/17

Right Out: 414.095+/-904.414 χ^2/NDF: 14.7/18

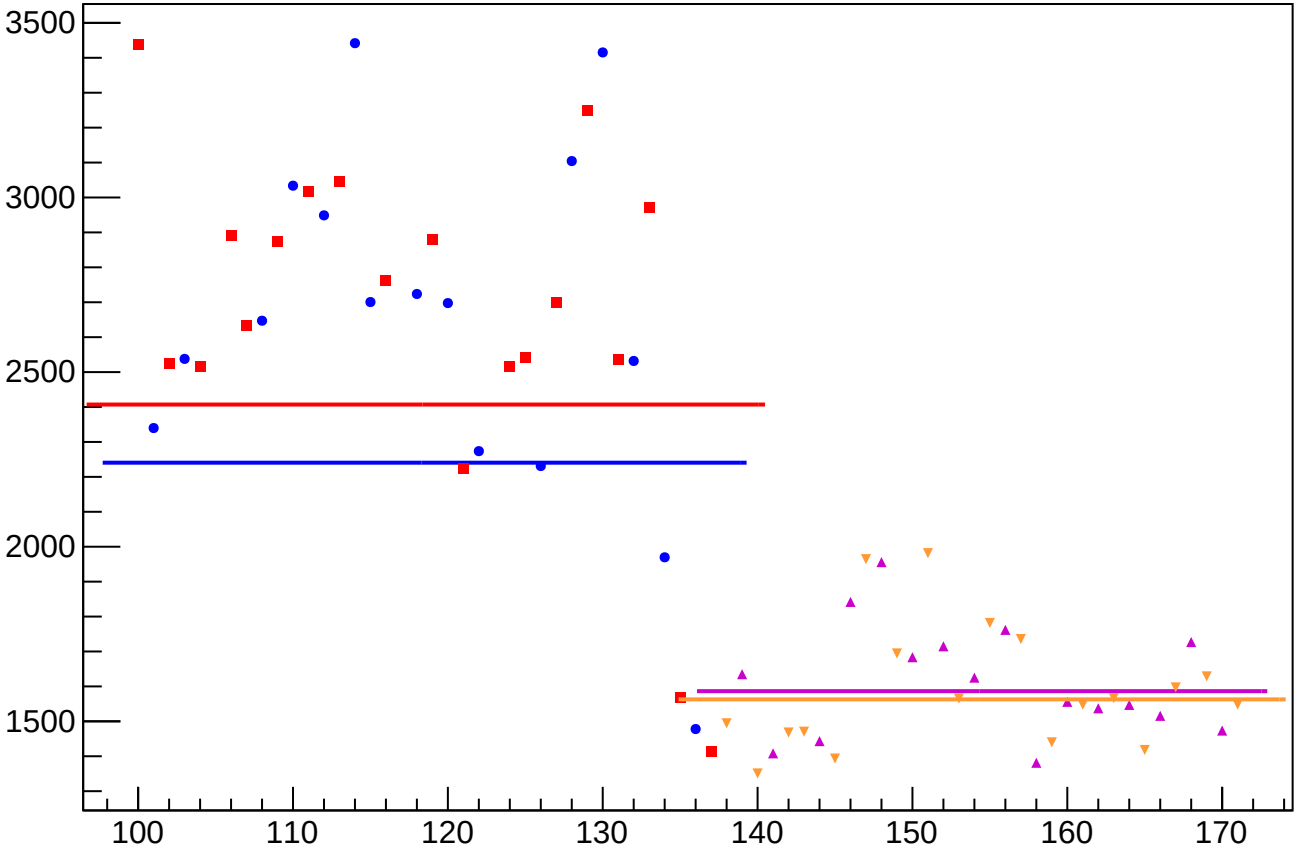
Left In: 73.527+/-439.187 χ^2/NDF:23.5/15

+ sign 920.631+/-375.698 χ^2/NDF: 52.6/33

All: 549.216+/-272.249 χ^2/NDF: 92.9/68

- sign 138.512+/-395.069 χ^2/NDF: 38.3/34

asym_sam_26_dd_rms vs Slug



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1562.876+/-0.295 χ^2/NDF:301703.1/17

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

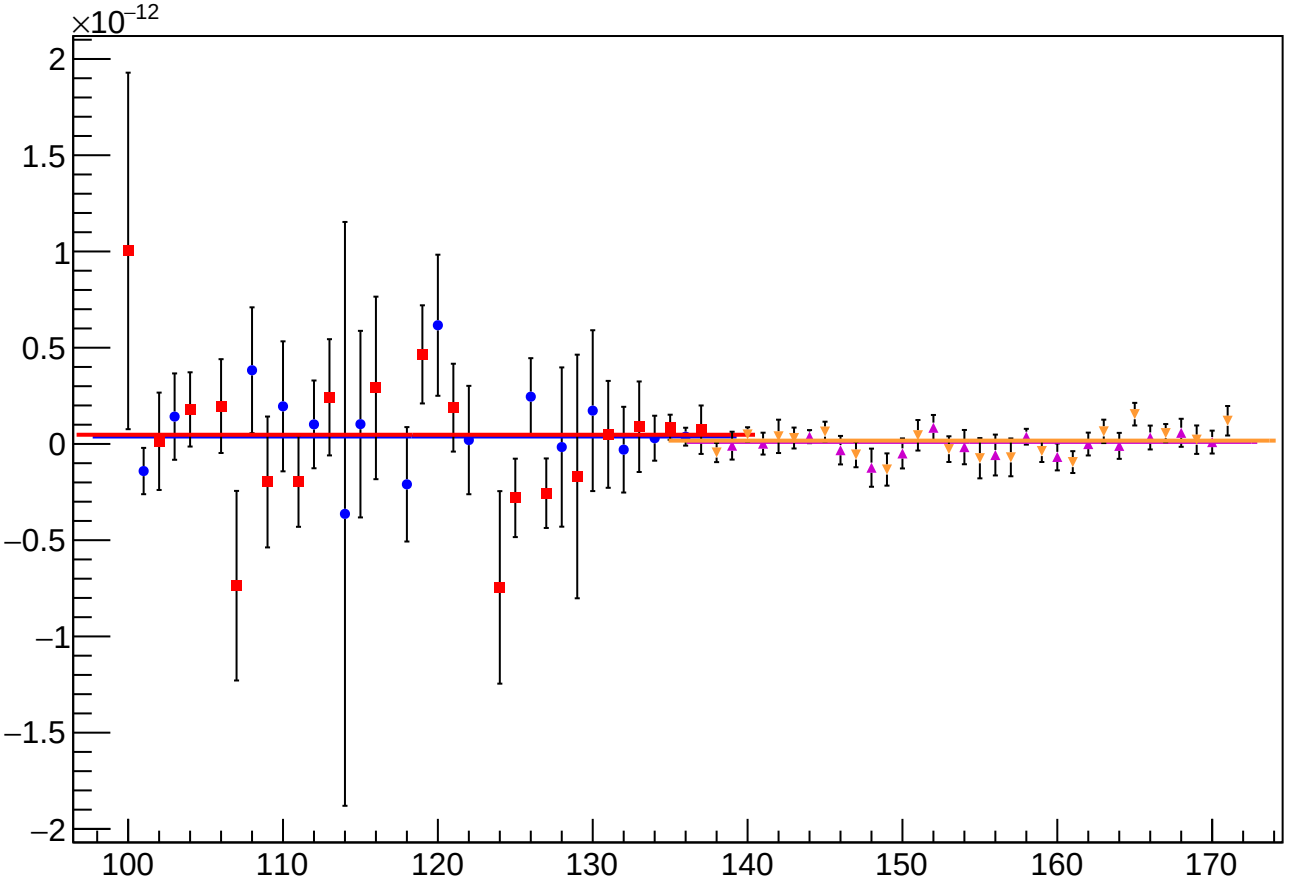
Left In: 1586.413+/-0.311 χ^2/NDF:239445.7/15

+ sign 1691.237+/-0.266 χ^2/NDF: 2234522.4/33

All: 1715.827+/-0.193 χ^2/NDF: 4613658.8/68

- sign 1743.017+/-0.279 χ^2/NDF: 2361095.4/34

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:23.1/17

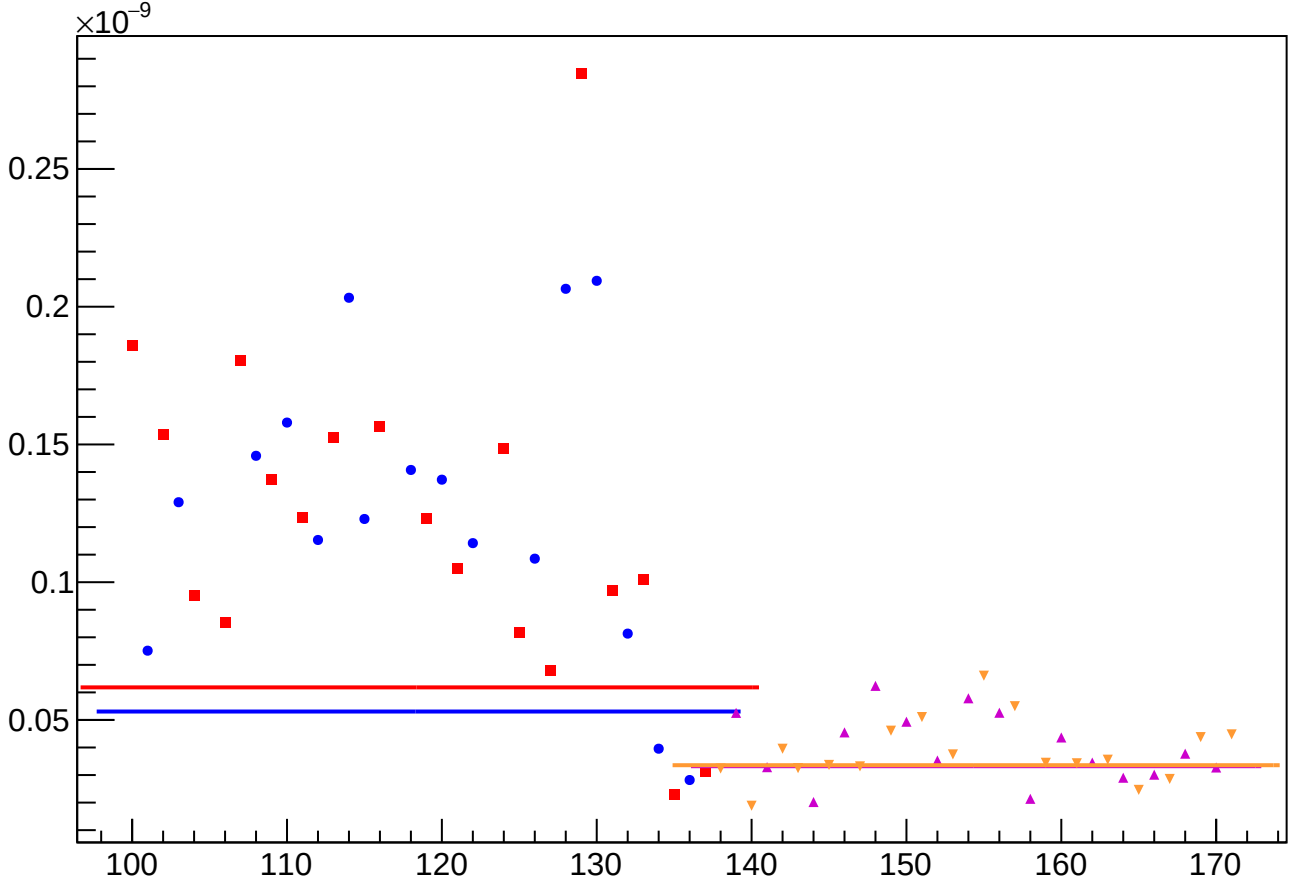
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/33

All: 0.000+/-0.000 χ^2/NDF: 58.4/68

- sign 0.000+/-0.000 χ^2/NDF: 26.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:908894.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

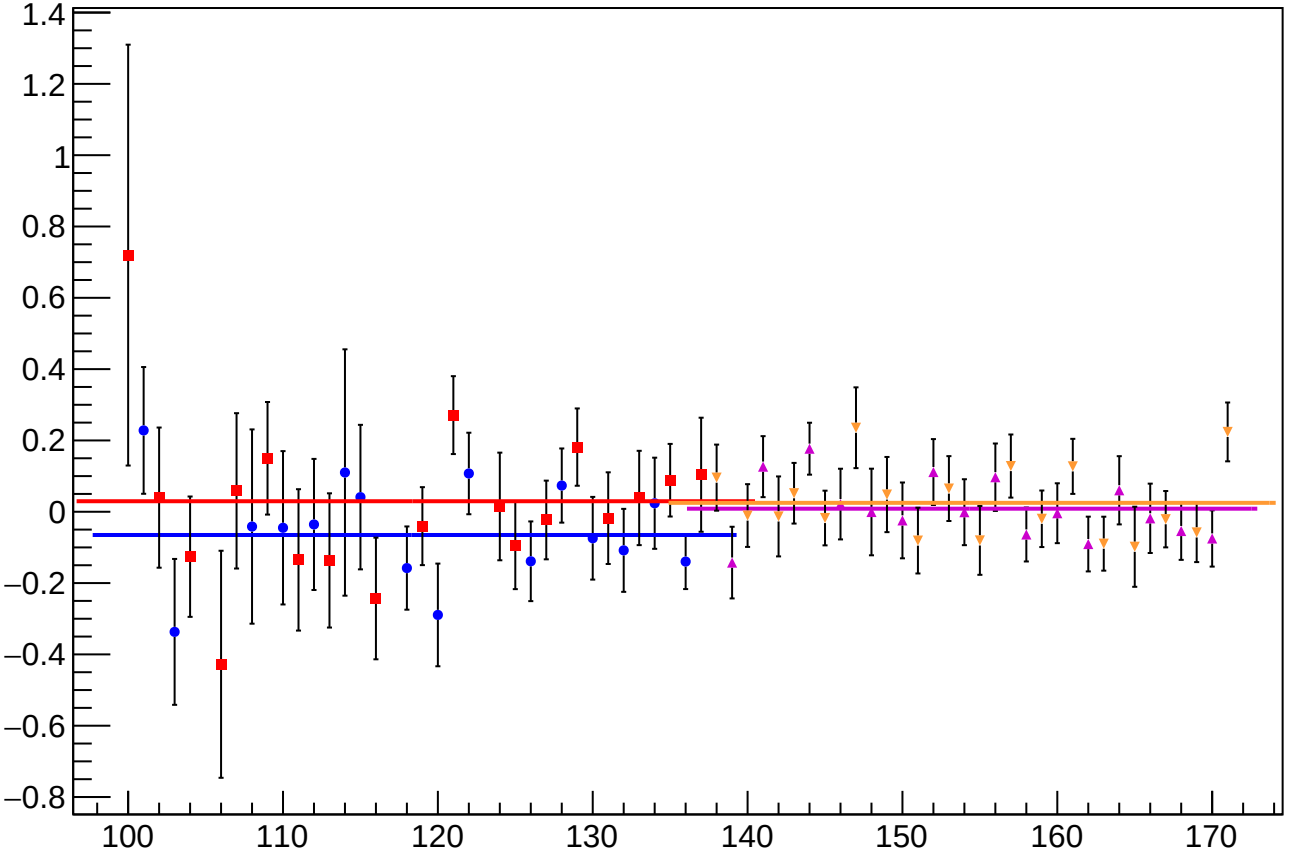
Left In: 0.000+/-0.000 χ^2/NDF:1203993.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 3982900.4/33

All: 0.000+/-0.000 χ^2/NDF: 8378584.4/68

- sign 0.000+/-0.000 χ^2/NDF: 4395506.5/34

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+/-0.021 χ^2/NDF:21.5/17

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

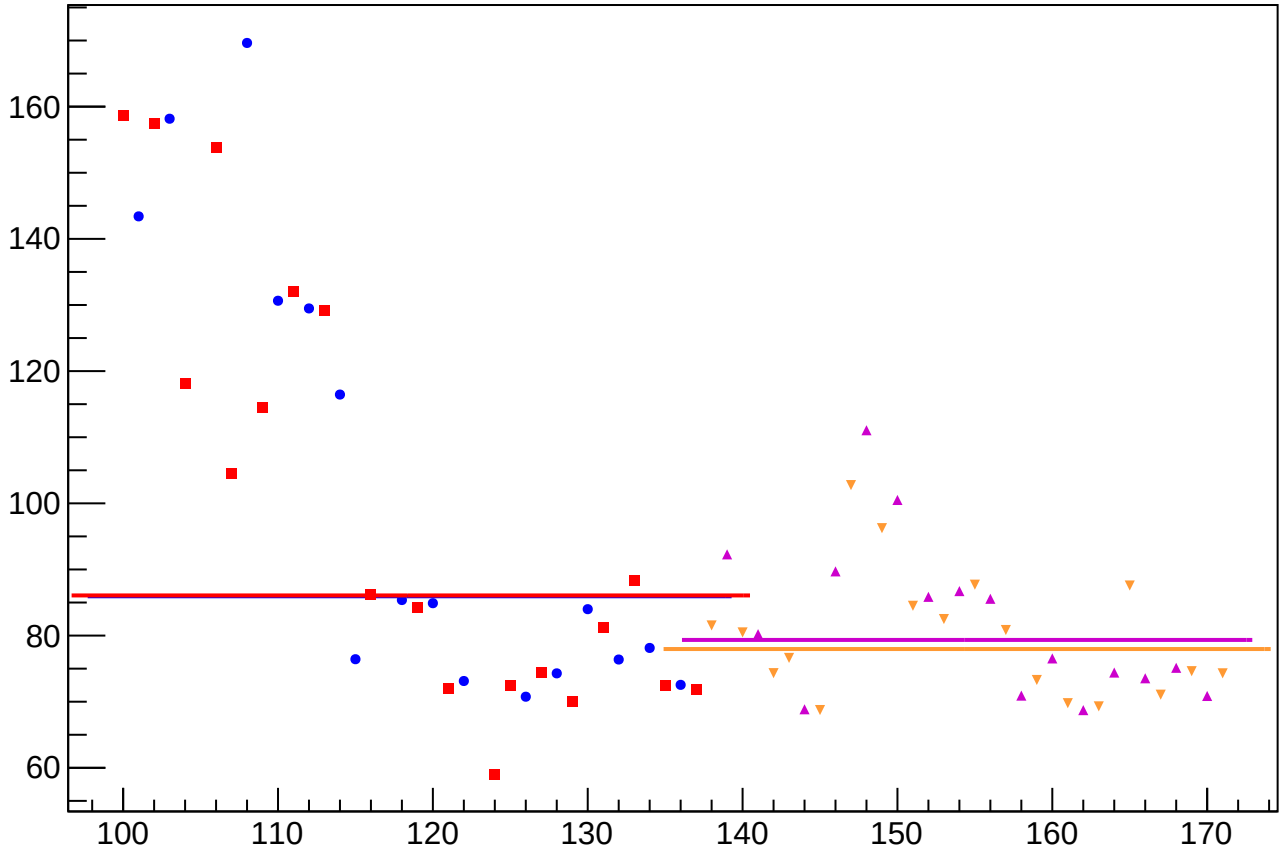
Left In: 0.009+/-0.022 χ^2/NDF:16.4/15

+ sign -0.000+/-0.018 χ^2/NDF: 41.0/33

All: 0.007+/-0.013 χ^2/NDF: 76.2/68

- sign 0.015+/-0.018 χ^2/NDF: 34.8/34

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: 77.966+/-0.015 χ^2/NDF:322505.4/17

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

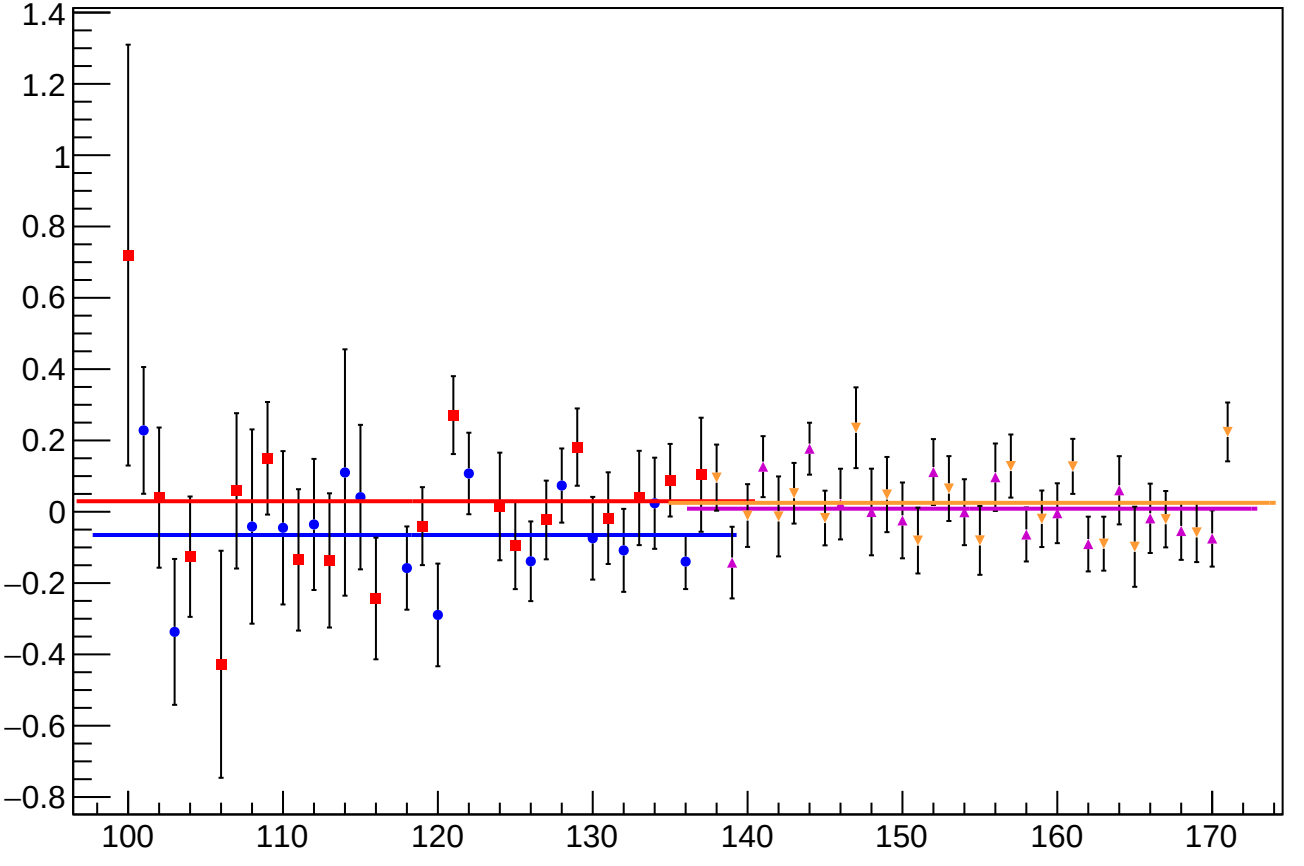
Left In: 79.343+/-0.016 χ^2/NDF:449967.6/15

+ sign 80.208+/-0.012 χ^2/NDF: 1440044.1/33

All: 80.796+/-0.009 χ^2/NDF: 2943477.2/68

- sign 81.433+/-0.013 χ^2/NDF: 1498806.6/34

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+/-0.021 χ^2/NDF:21.5/17

Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

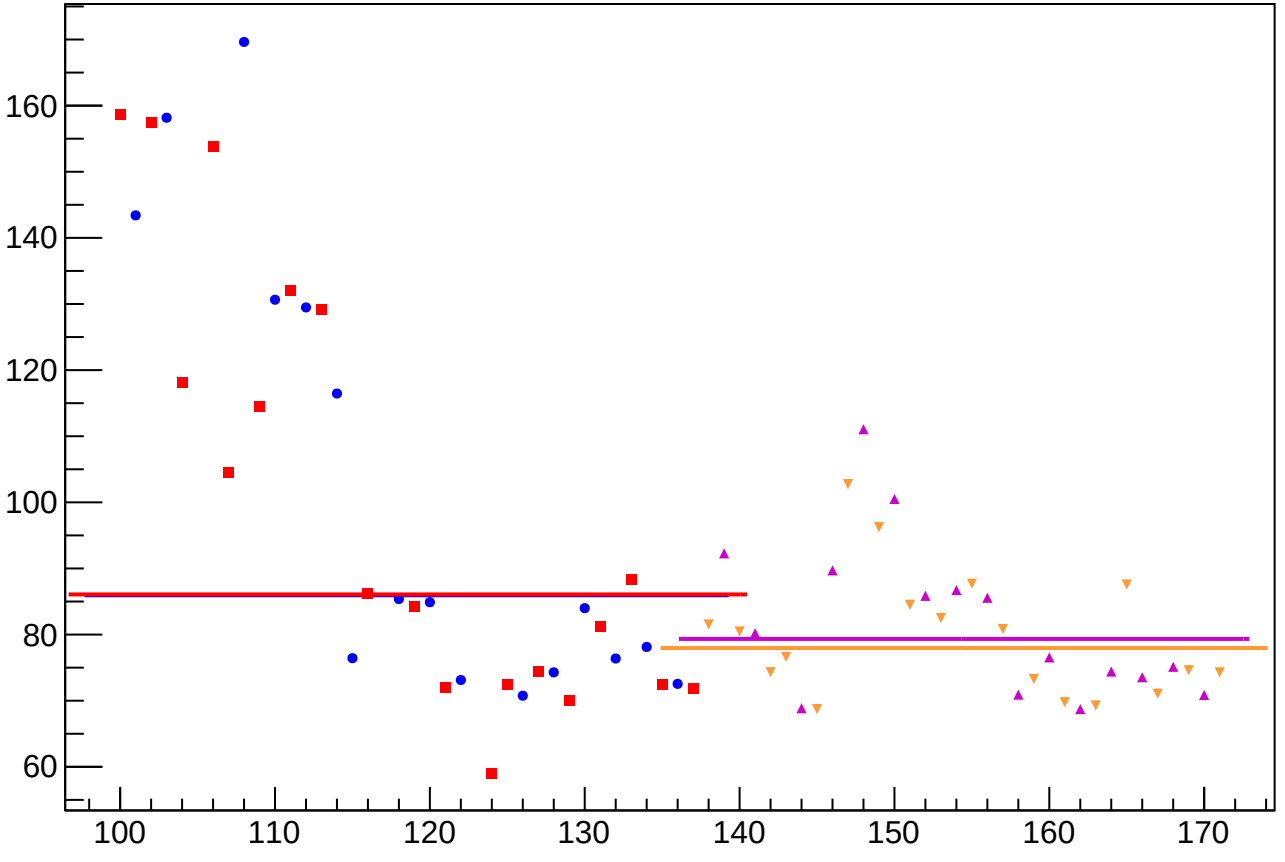
Left In: 0.009+/-0.022 χ^2/NDF:16.4/15

+ sign -0.000+/-0.018 χ^2/NDF: 41.0/33

All: 0.007+/-0.013 χ^2/NDF: 76.2/68

- sign 0.015+/-0.018 χ^2/NDF: 34.8/34

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.966+/-0.015 χ^2/NDF:322505.4/17

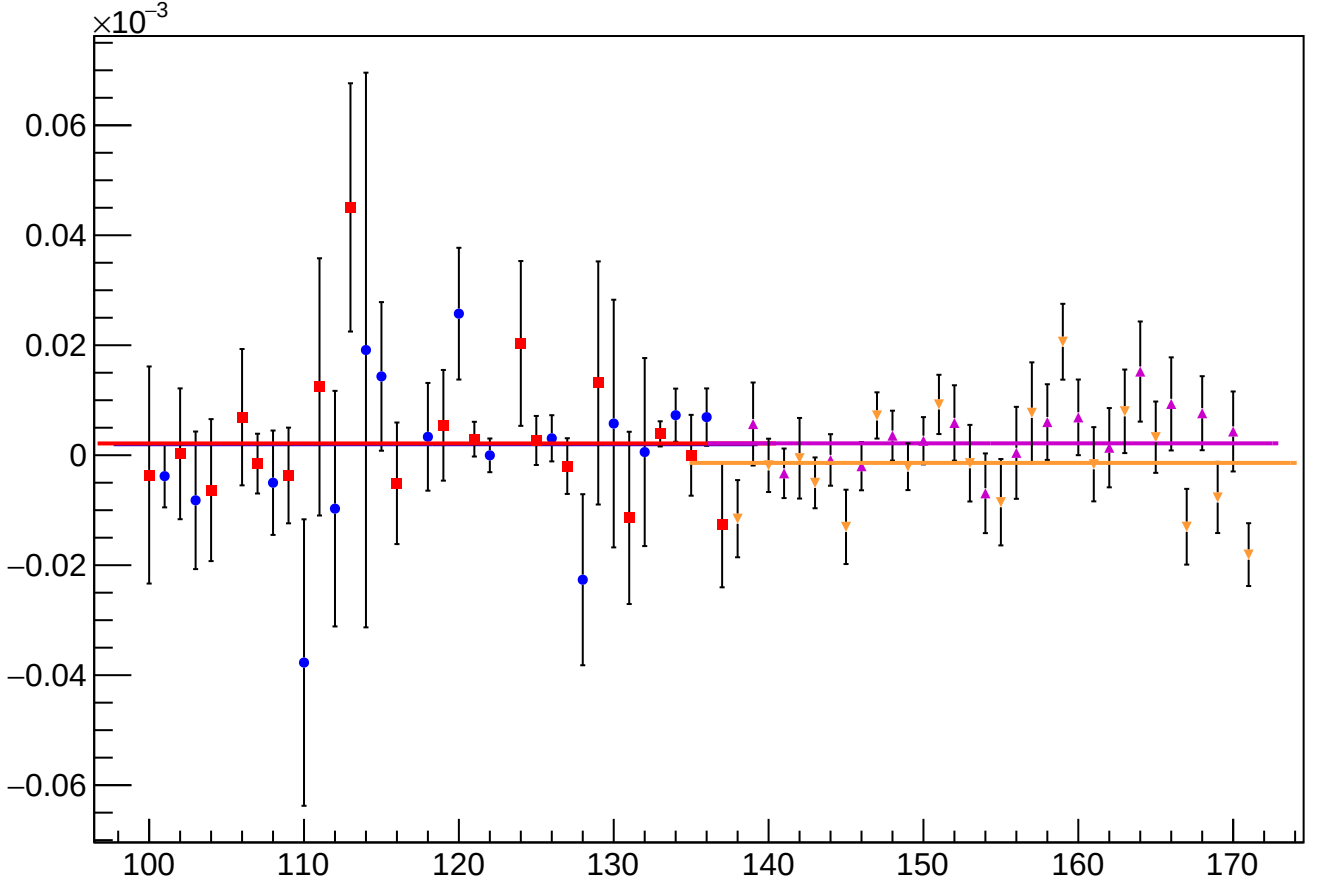
Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 79.343+/-0.016 χ^2/NDF:449967.6/15

+ sign 80.208+/-0.012 χ^2/NDF: 1440044.1/33

All: 80.796+/-0.009 χ^2/NDF: 2943477.2/68

- sign 81.433+/-0.013 χ^2/NDF: 1498806.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/17

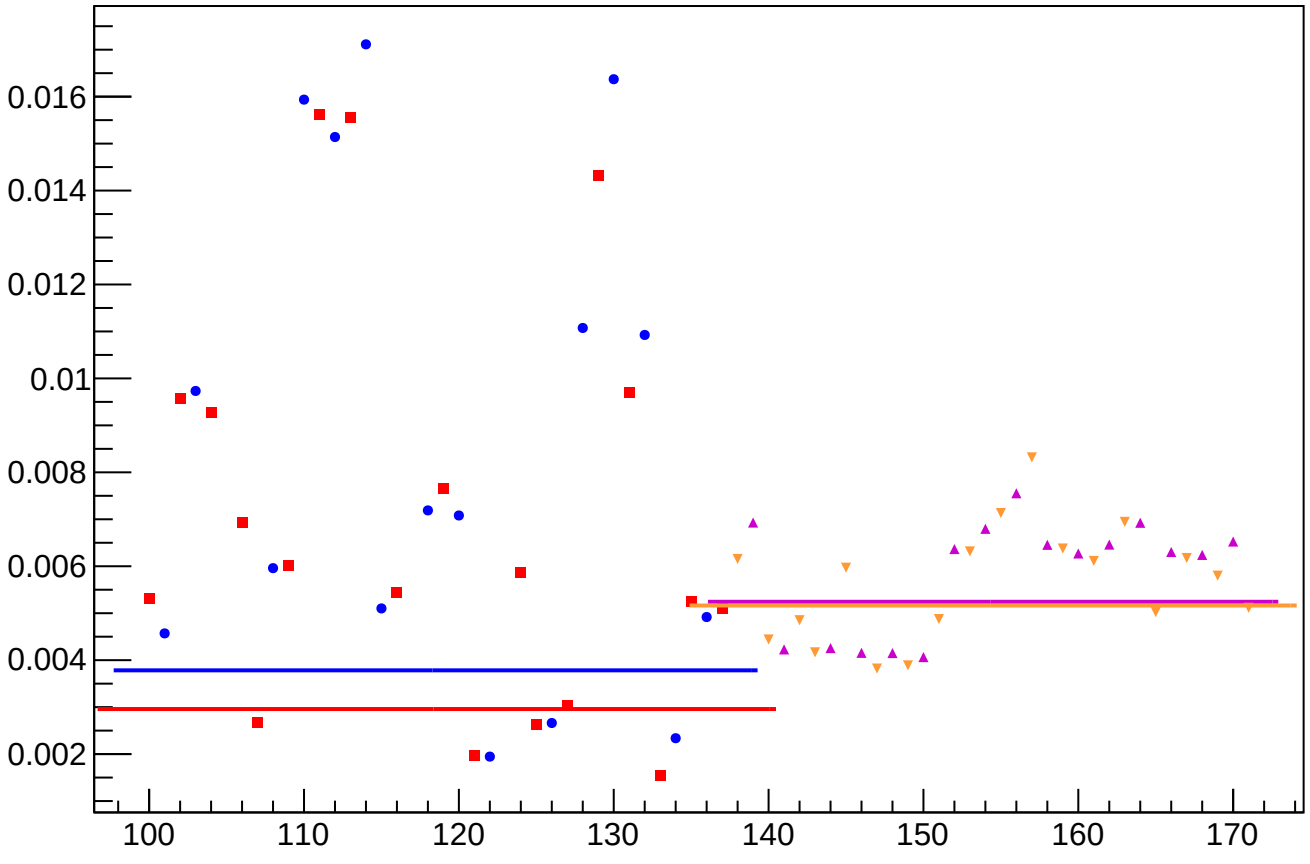
Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/15

+ sign -0.000+/-0.000 χ^2/NDF: 57.4/33

All: 0.000+/-0.000 χ^2/NDF: 80.4/68

- sign 0.000+/-0.000 χ^2/NDF: 20.8/34



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1290129.6/17

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

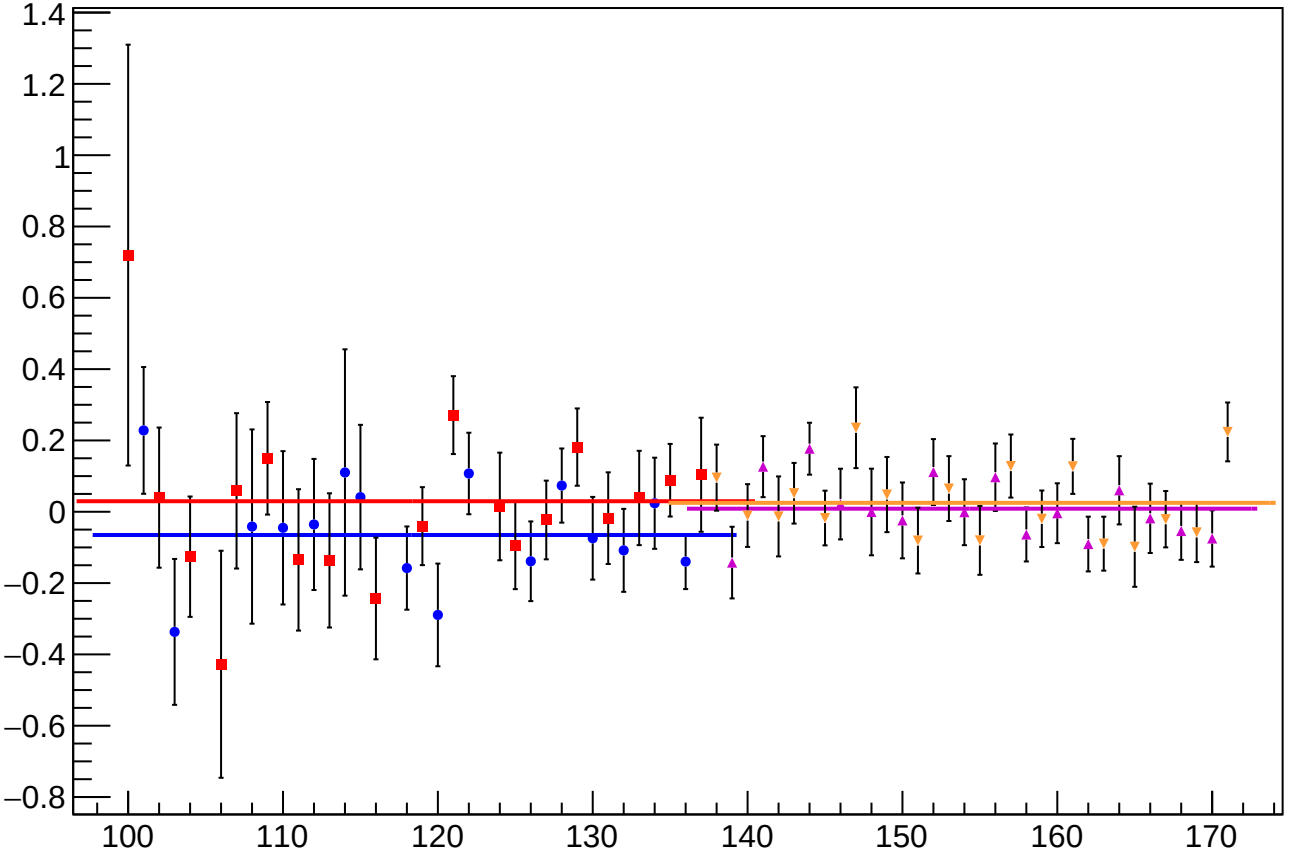
Left In: 0.005+/-0.000 χ^2/NDF:1347352.0/15

+ sign 0.005+/-0.000 χ^2/NDF: 6742196.9/33

All: 0.004+/-0.000 χ^2/NDF: 16438874.7/68

- sign 0.004+/-0.000 χ^2/NDF: 9387749.8/34

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.021 χ^2/NDF:21.5/17

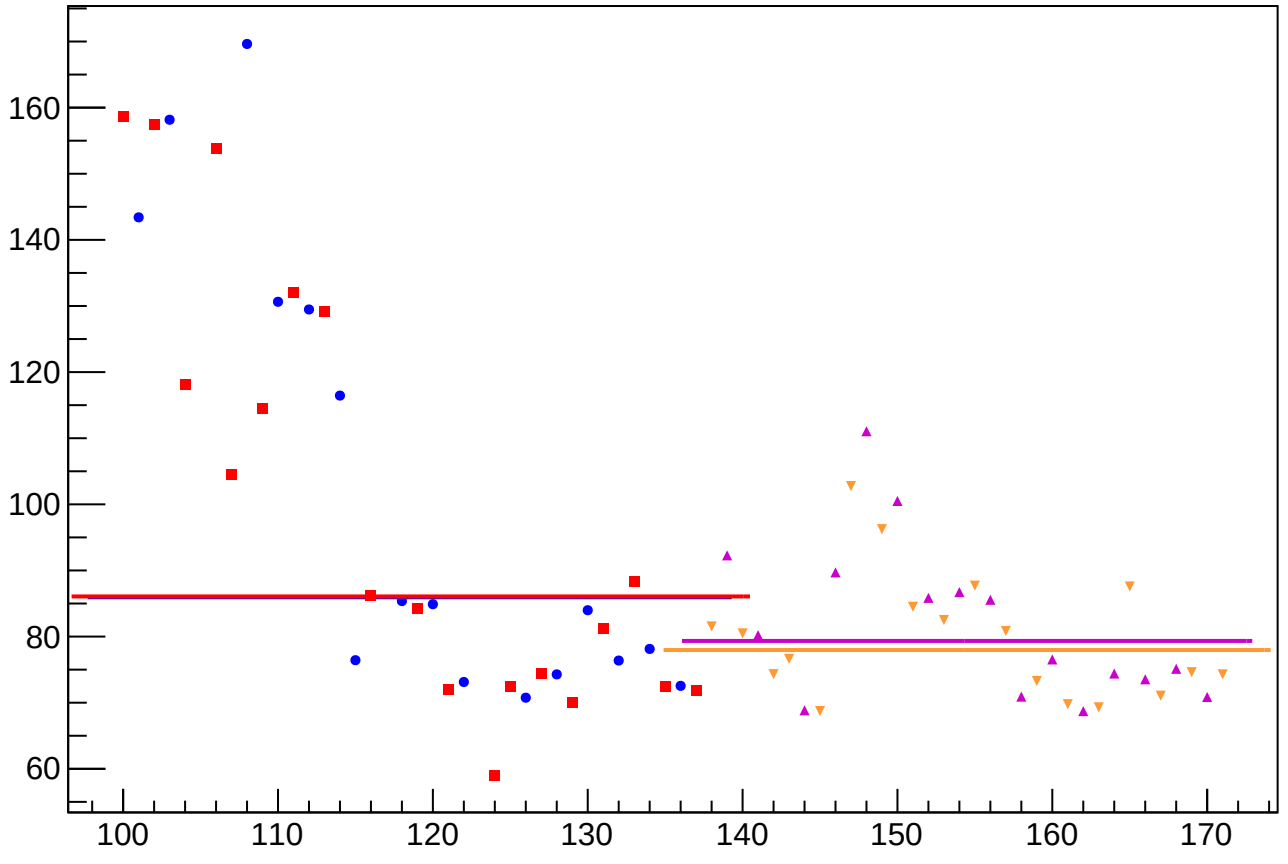
Right Out: 0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.009+/-0.022 χ^2/NDF:16.4/15

+ sign -0.000+/-0.018 χ^2/NDF: 41.0/33

All: 0.007+/-0.013 χ^2/NDF: 76.2/68

- sign 0.015+/-0.018 χ^2/NDF: 34.8/34



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.966+/-0.015 χ^2/NDF:322553.0/17

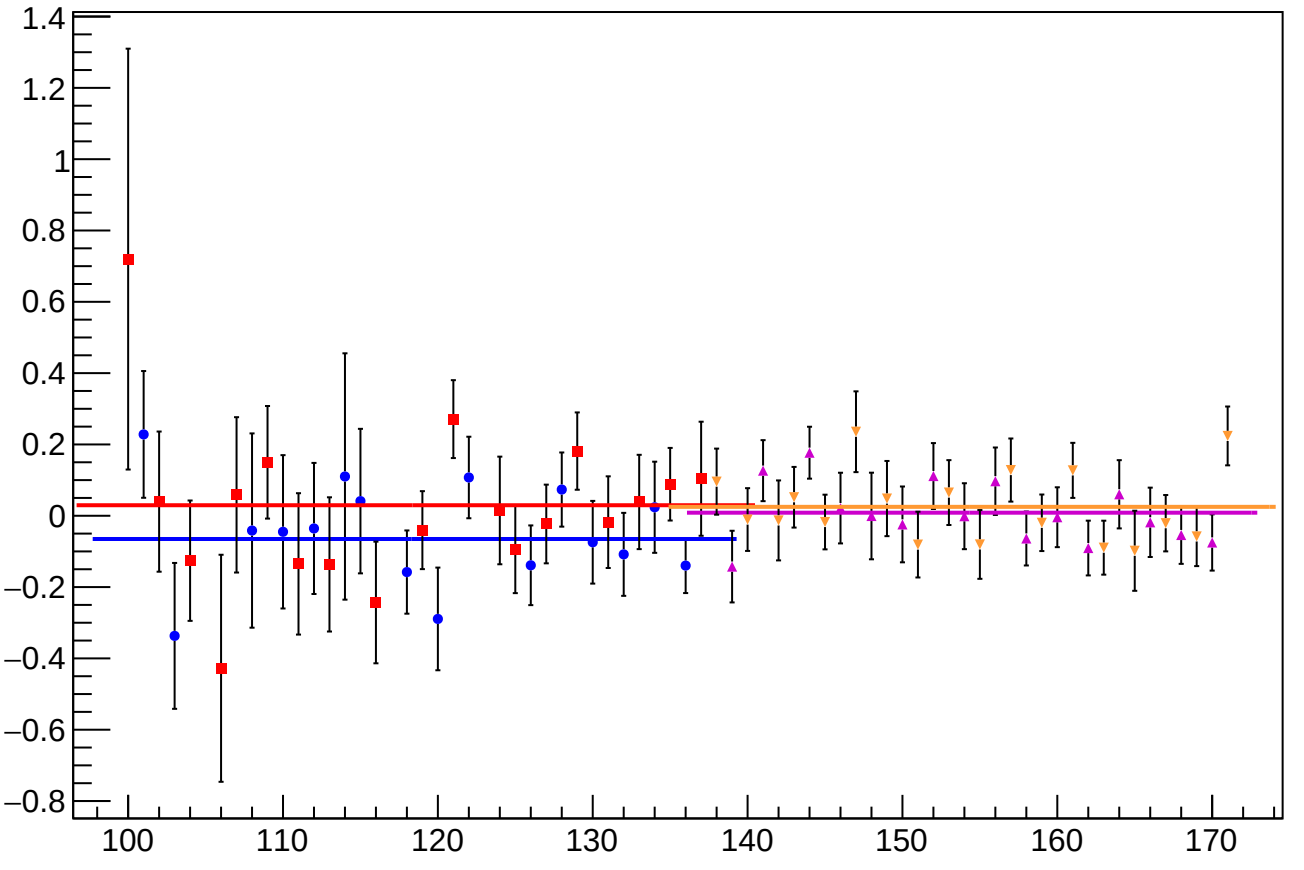
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

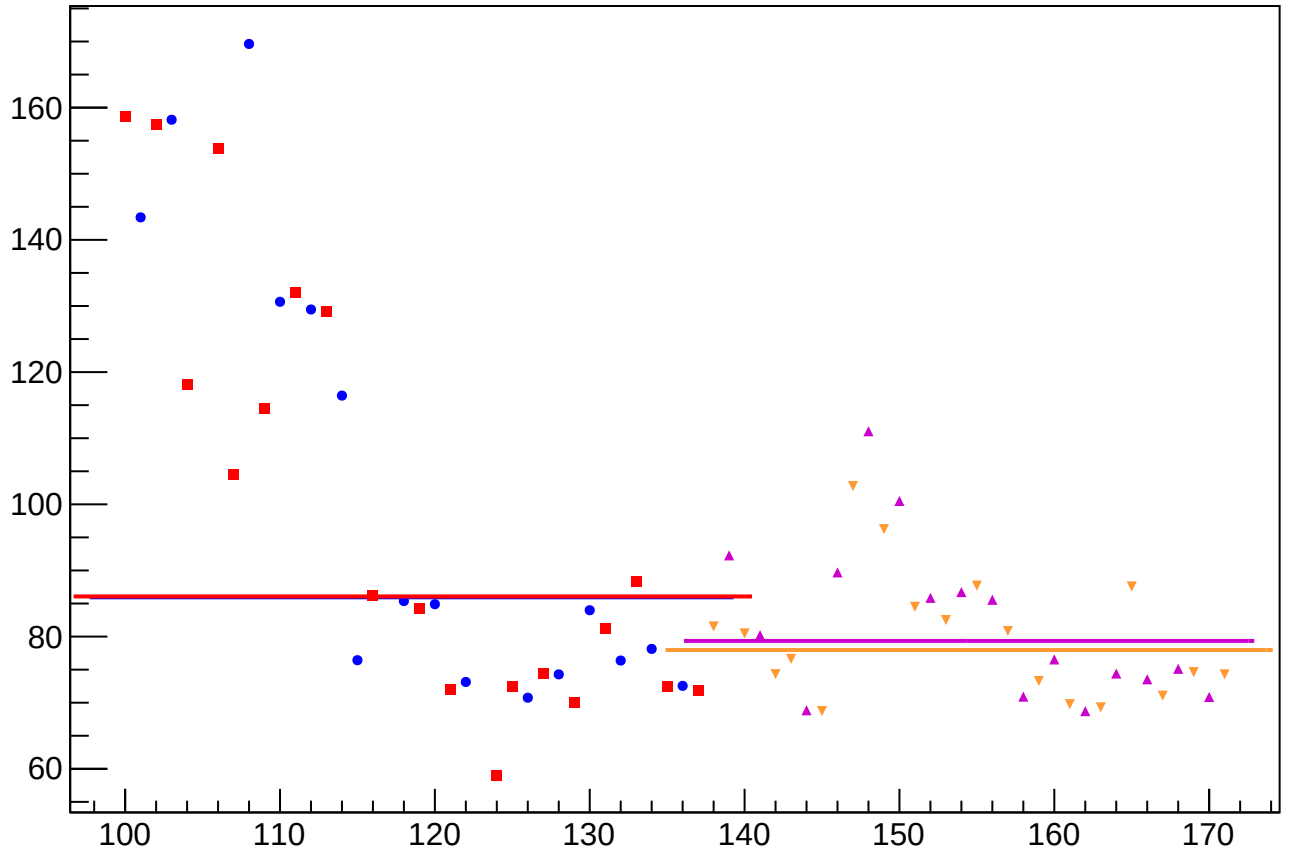
Left In: 79.342+/-0.016 χ^2/NDF:450016.3/15

\+ sign 80.207+/-0.012 χ^2/NDF: 1440039.7/33

All: 80.795+/-0.009 χ^2/NDF: 2943496.2/68

\- sign 81.432+/-0.013 χ^2/NDF: 1498831.3/34


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
170
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.025+/-0.021 χ²/NDF:21.5/17
Right Out: 0.030+/-0.033 χ²/NDF: 18.1/18
Left In: 0.009+/-0.022 χ²/NDF:16.4/15
+ sign -0.000+/-0.018 χ²/NDF: 41.0/33
All: 0.007+/-0.013 χ²/NDF: 76.2/68
- sign 0.015+/-0.018 χ²/NDF: 34.8/34



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.966+/-0.015 χ^2/NDF:322553.0/17

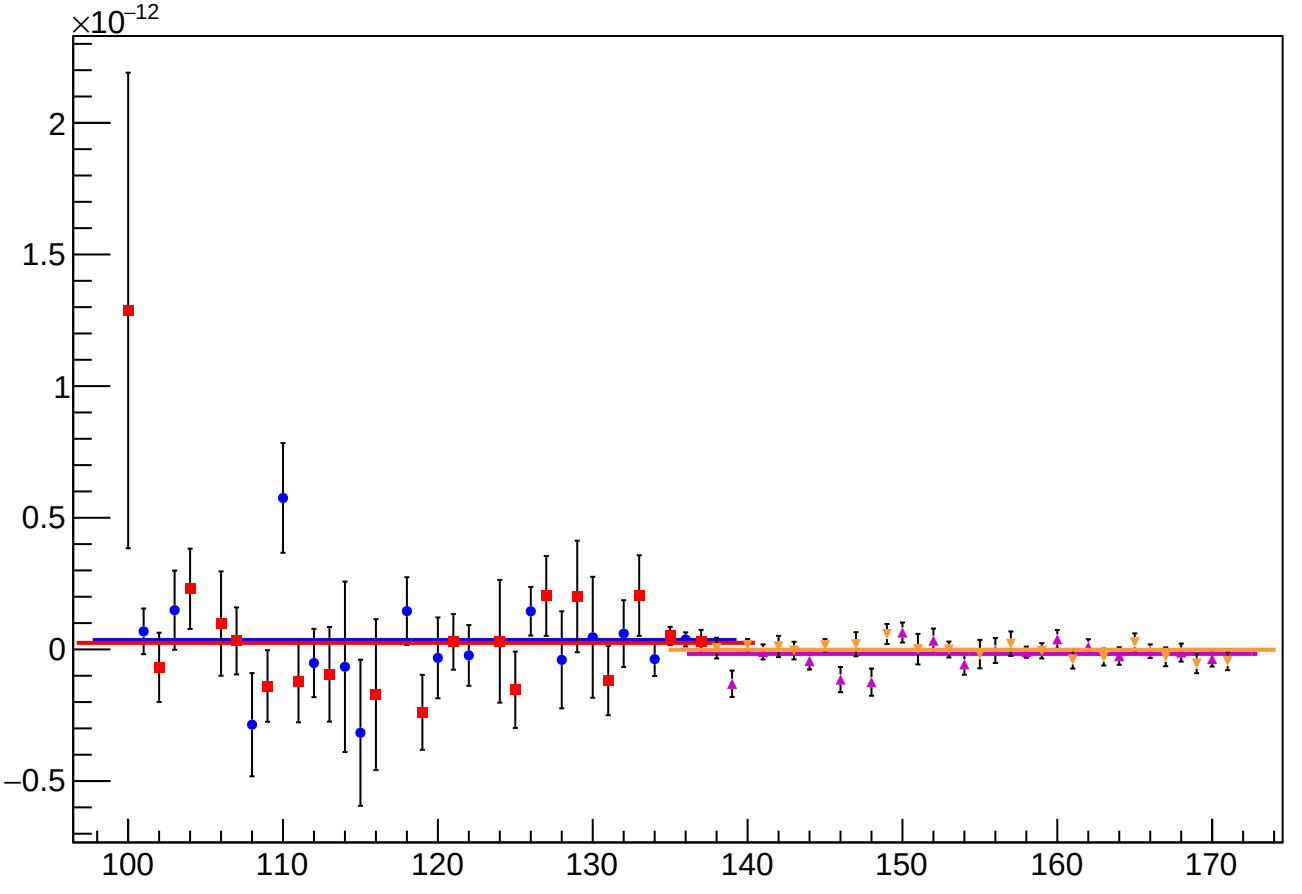
Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 79.342+/-0.016 χ^2/NDF:450016.3/15

+ sign 80.207+/-0.012 χ^2/NDF: 1440039.7/33

All: 80.795+/-0.009 χ^2/NDF: 2943496.2/68

- sign 81.432+/-0.013 χ^2/NDF: 1498831.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/17

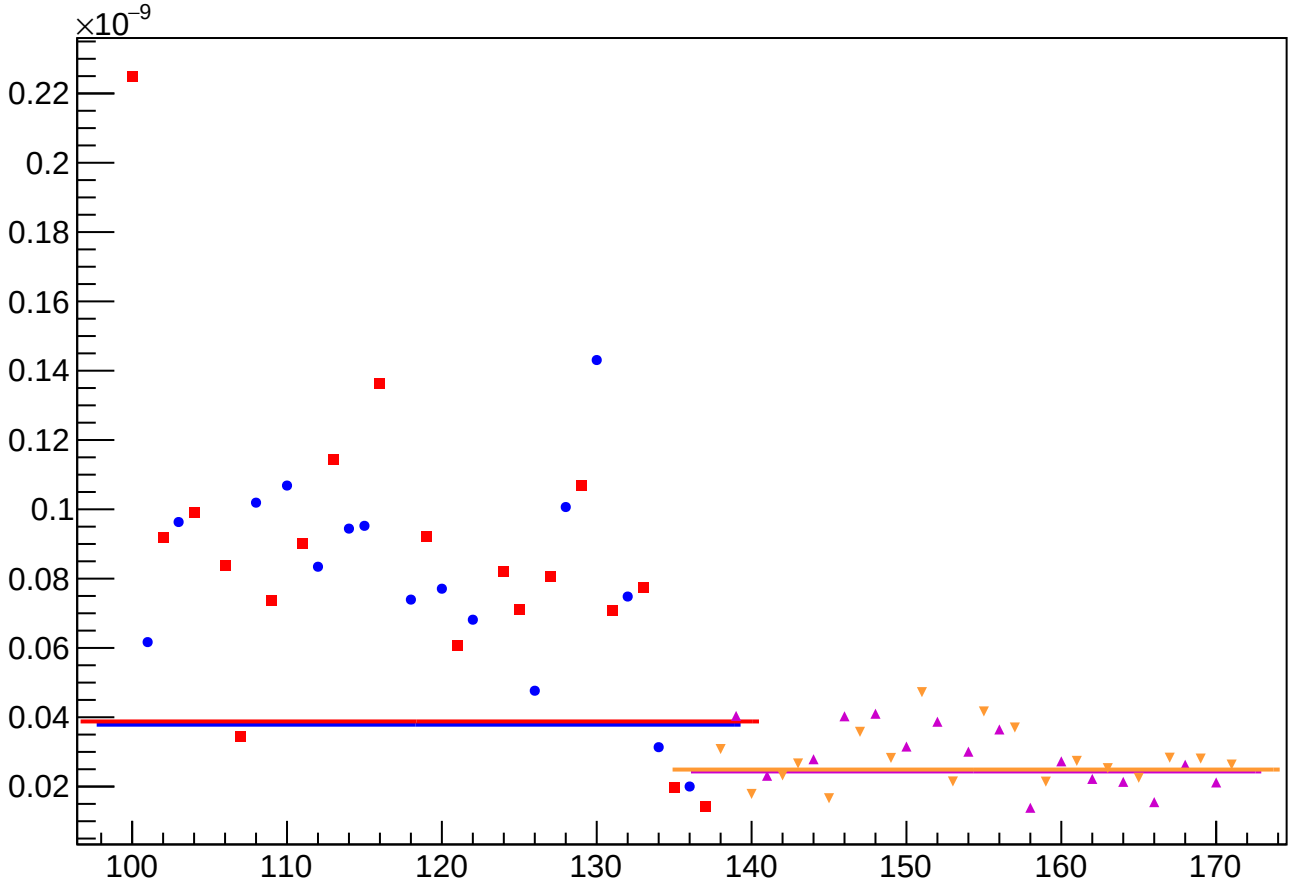
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:25.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 30.1/33

All: -0.000+/-0.000 χ^2/NDF: 78.4/68

- sign -0.000+/-0.000 χ^2/NDF: 46.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358911.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

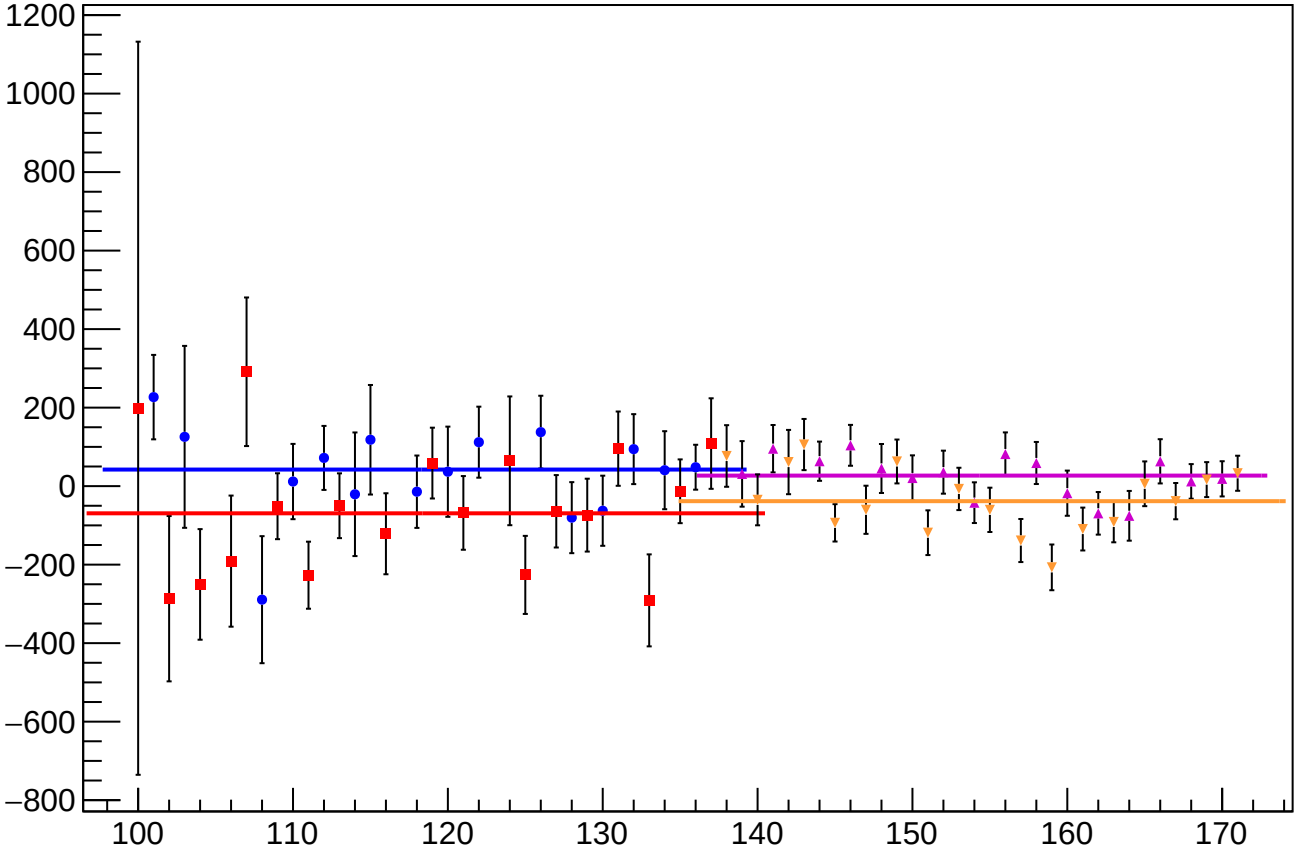
Left In: 0.000+/-0.000 χ^2/NDF:1895725.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 5499950.7/33

All: 0.000+/-0.000 χ^2/NDF: 12261647.8/68

- sign 0.000+/-0.000 χ^2/NDF: 6758135.6/34

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -38.319+/-13.026 χ^2/NDF:34.9/17

Right Out: -69.249+/-24.418 χ^2/NDF: 25.4/18

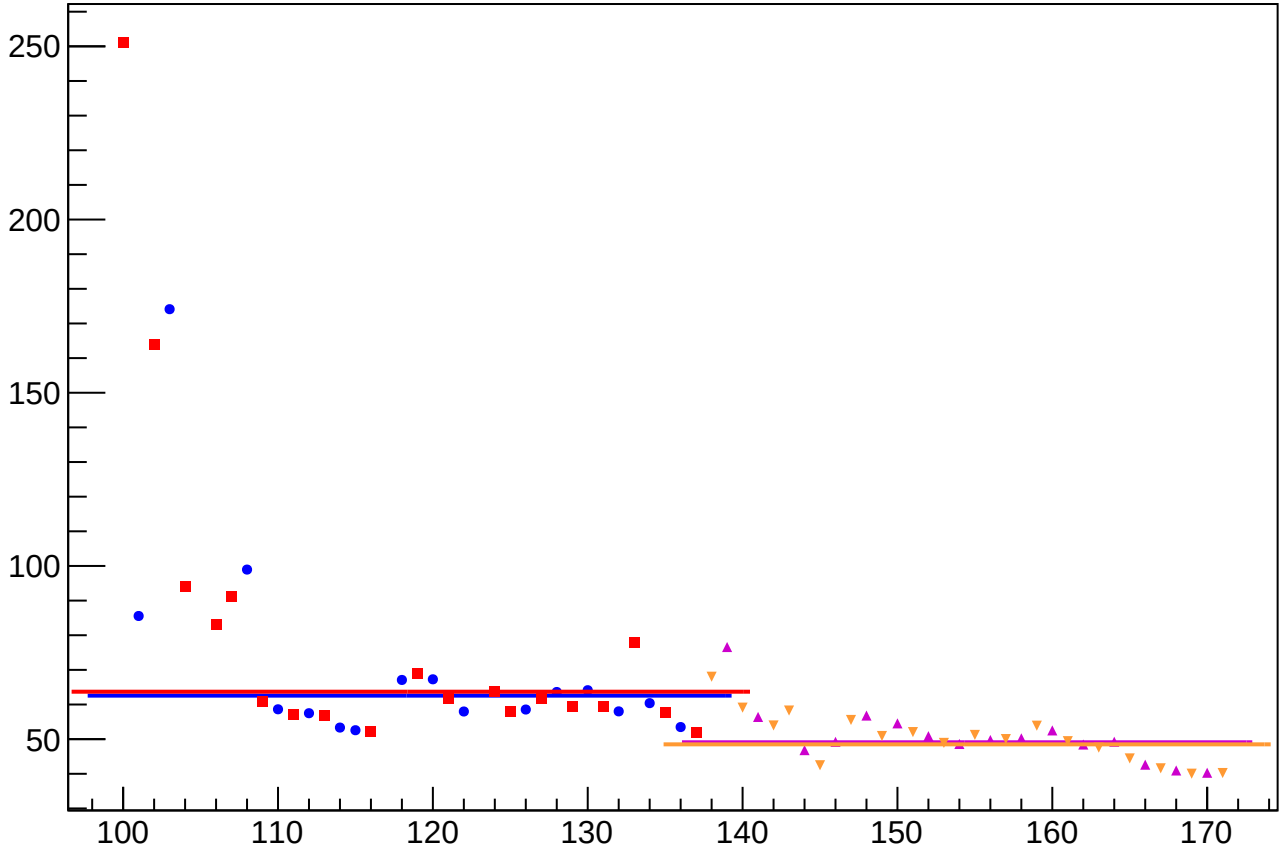
Left In: 26.839+/-13.678 χ^2/NDF:14.2/15

+ sign -20.235+/-11.471 χ^2/NDF: 57.0/33

All: -8.649+/-8.270 χ^2/NDF: 110.5/68

- sign 3.890+/-11.933 χ^2/NDF: 51.3/34

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.9/17

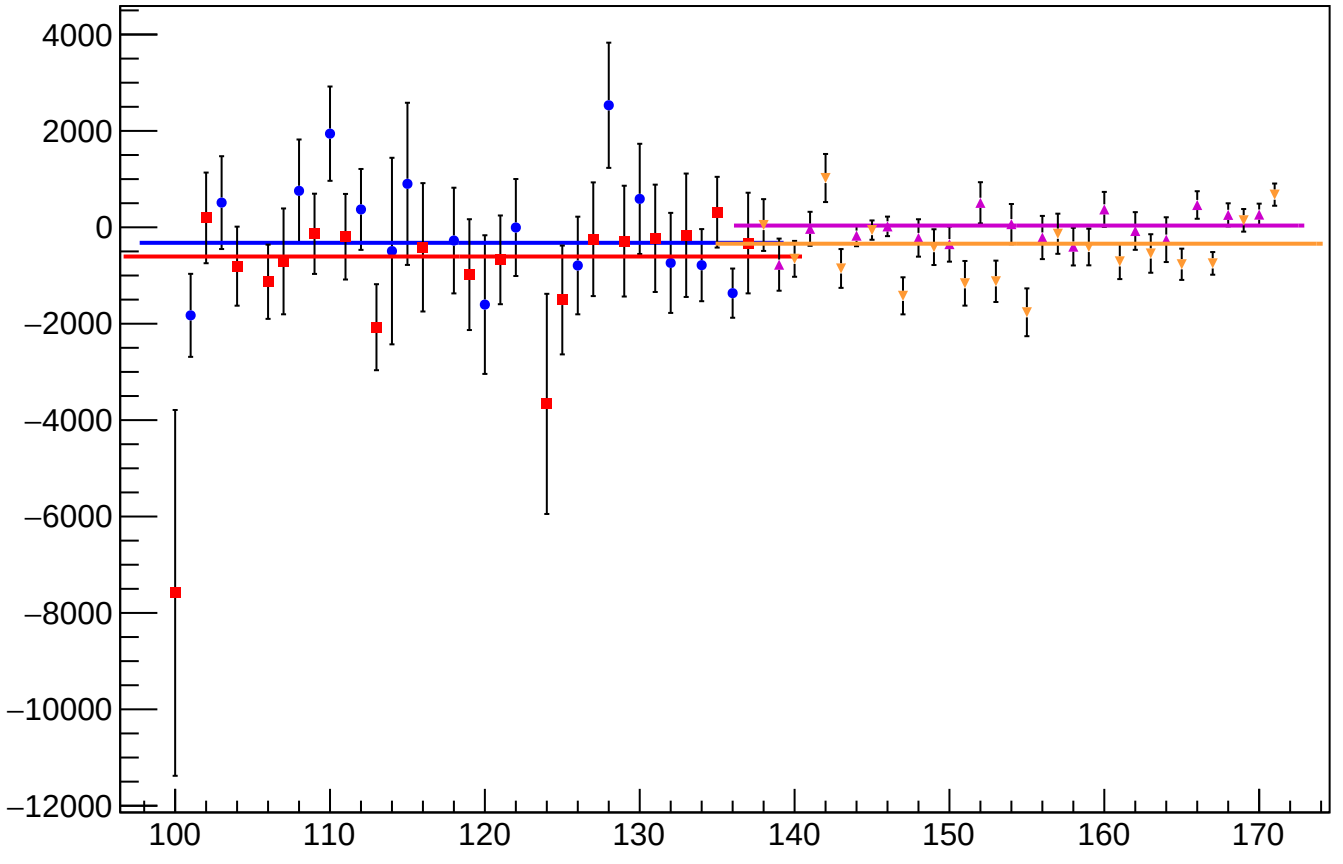
Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

+ sign 51.660+/-0.008 χ^2/NDF: 1803408.3/33

All: 52.104+/-0.006 χ^2/NDF: 3669463.2/68

- sign 52.584+/-0.008 χ^2/NDF: 1859814.6/34



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -340.233+/-77.871 χ^2/NDF:65.0/17

Right Out: -605.859+/-233.643 χ^2/NDF: 12.5/18

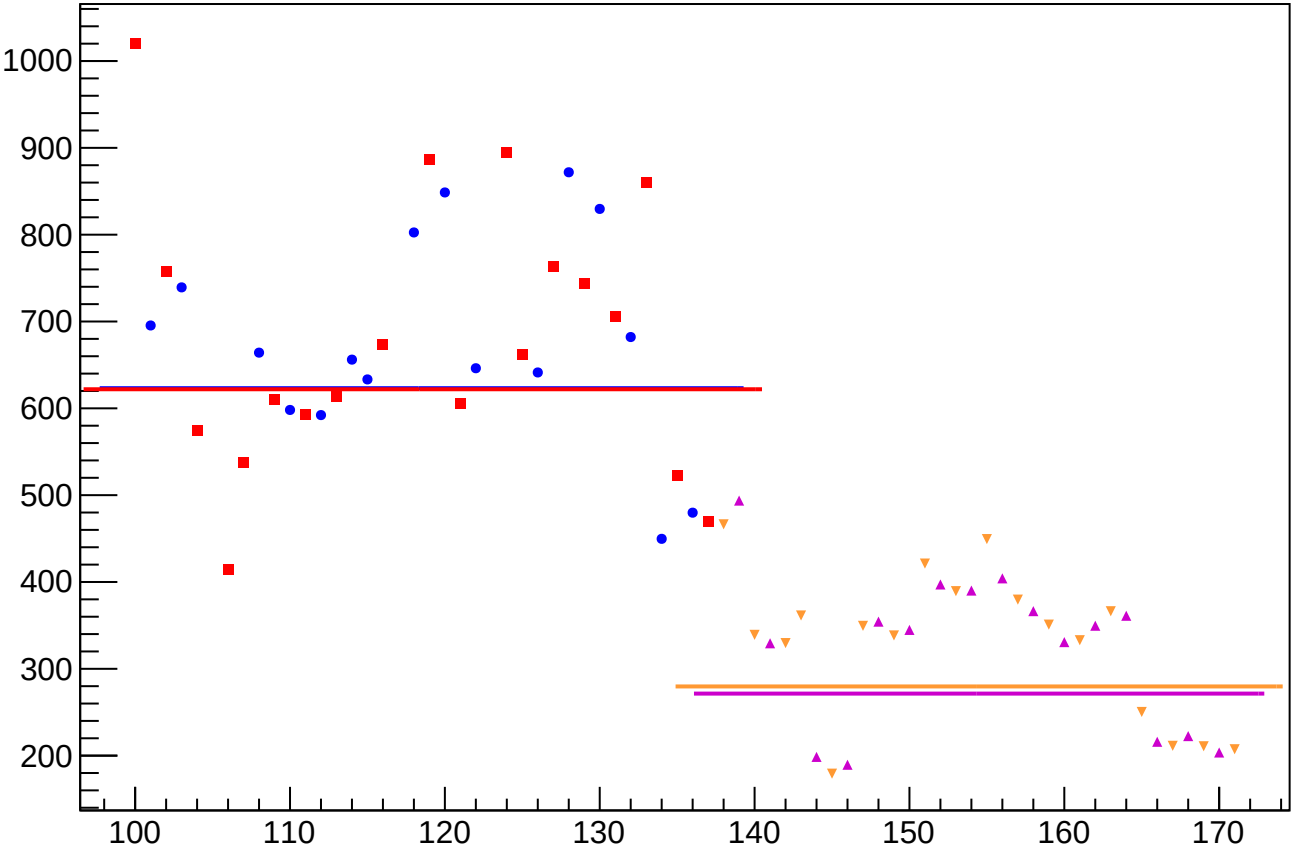
Left In: 36.302+/-78.717 χ^2/NDF:13.0/15

+ sign -338.444+/-74.024 χ^2/NDF: 87.7/33

All: -184.994+/-52.544 χ^2/NDF: 128.6/68

- sign -29.159+/-74.597 χ^2/NDF: 32.2/34

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 279.693+/-0.055 χ^2/NDF:2442061.9/17

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

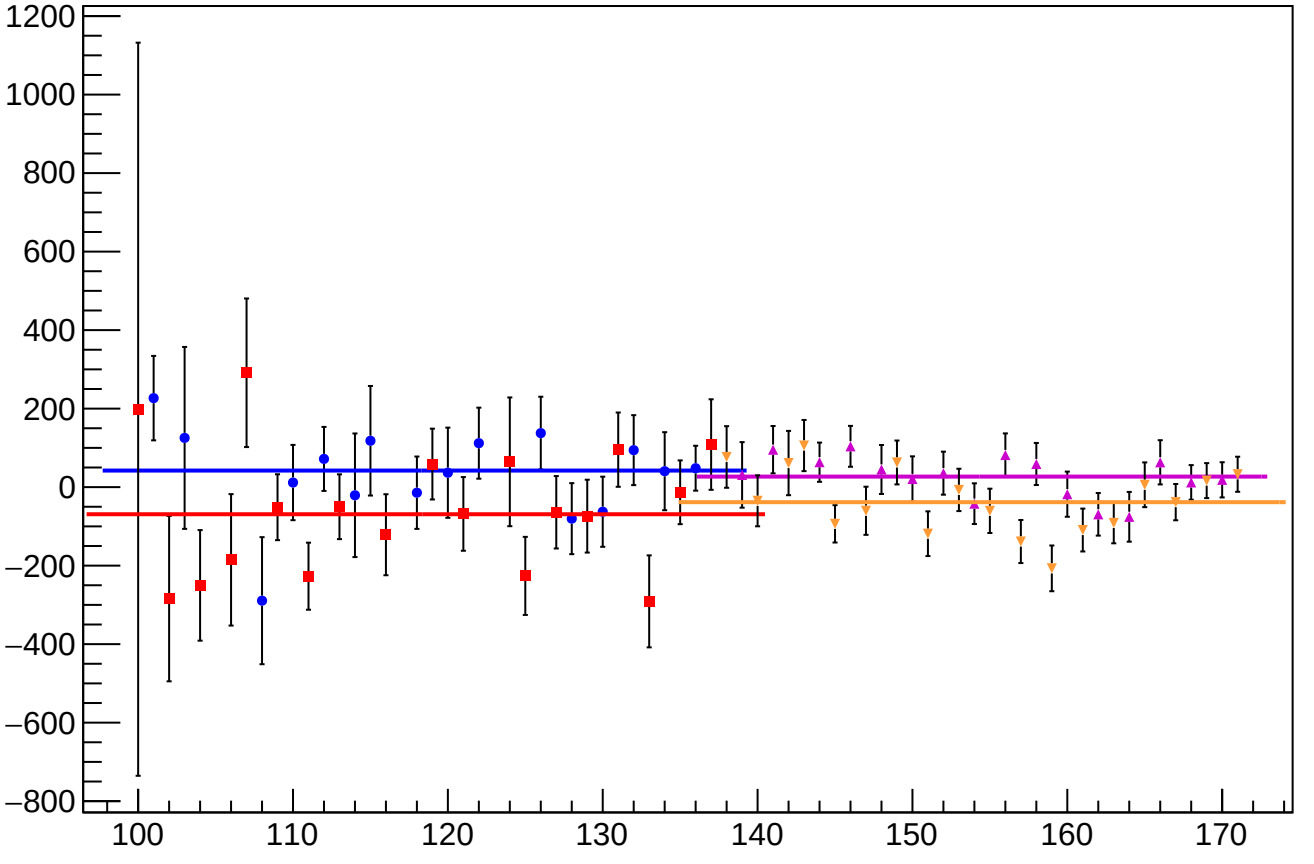
Left In: 271.452+/-0.056 χ^2/NDF:2285879.3/15

+ sign 312.787+/-0.052 χ^2/NDF: 6756822.7/33

All: 310.007+/-0.037 χ^2/NDF: 13673590.9/68

- sign 307.184+/-0.053 χ^2/NDF: 6911083.4/34

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -38.317+/-13.026 χ^2/NDF:34.9/17

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

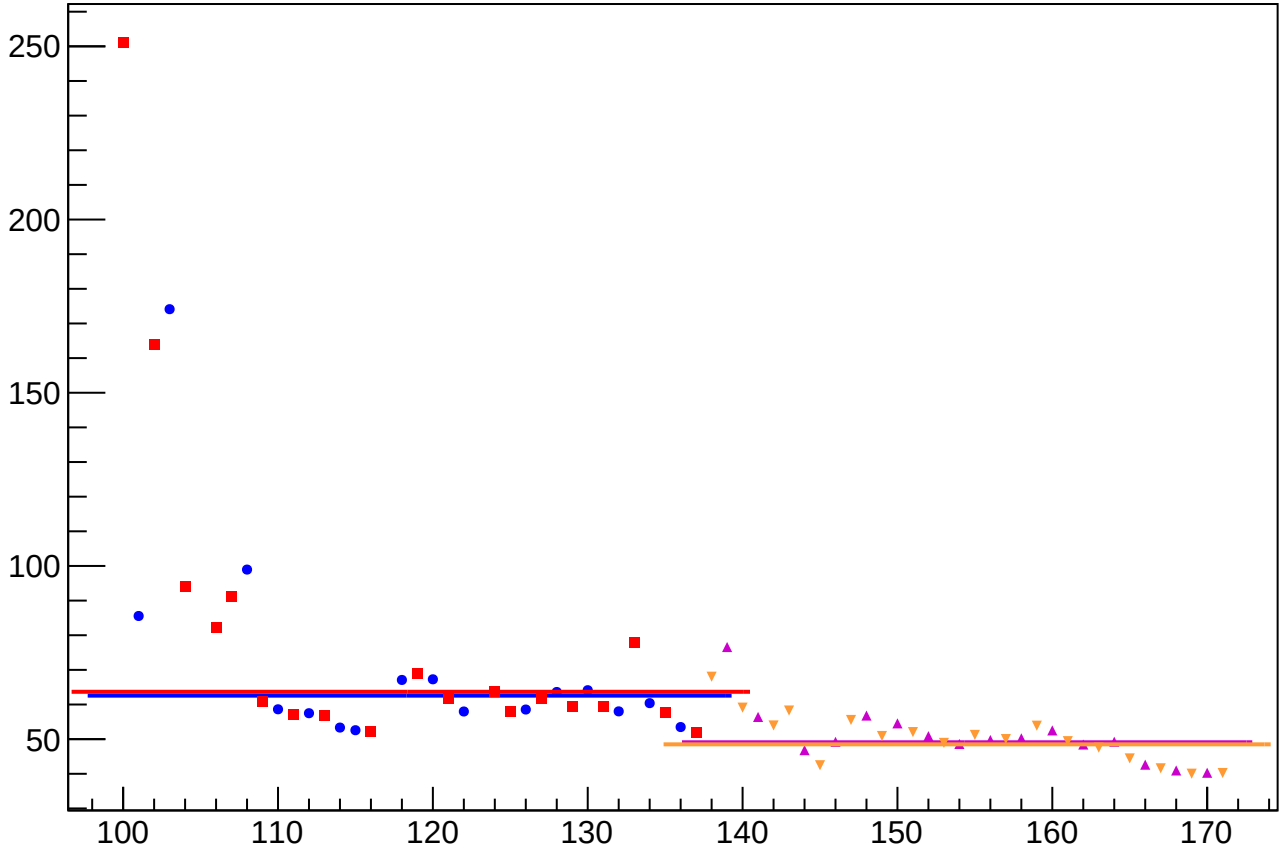
Left In: 26.839+/-13.678 χ^2/NDF:14.2/15

+ sign -20.234+/-11.471 χ^2/NDF: 57.0/33

All: -8.627+/-8.270 χ^2/NDF: 110.4/68

- sign 3.936+/-11.933 χ^2/NDF: 51.2/34

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.8/17

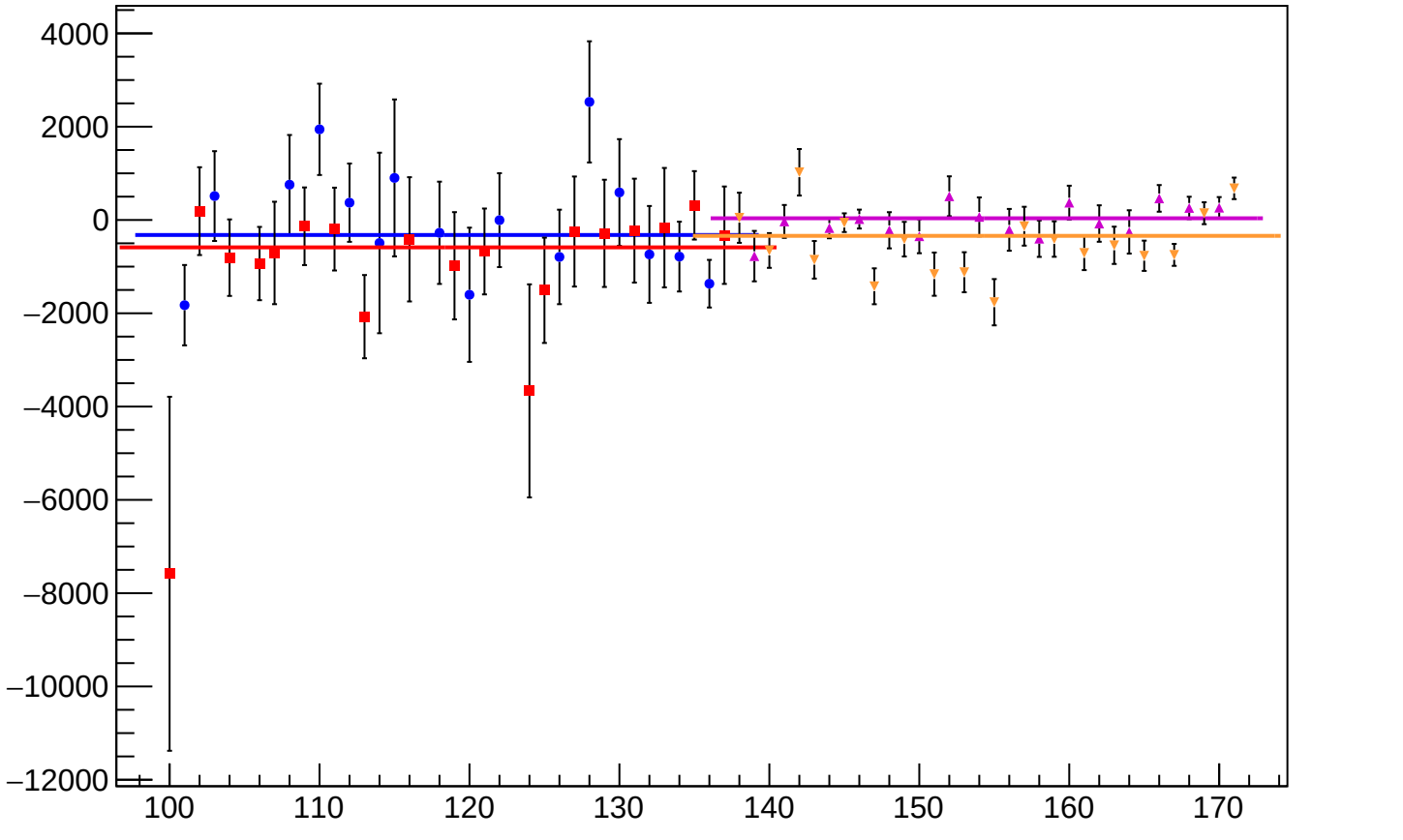
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

+ sign 51.660+/-0.008 χ^2/NDF: 1803410.1/33

All: 52.101+/-0.006 χ^2/NDF: 3664786.6/68

- sign 52.578+/-0.008 χ^2/NDF: 1855218.2/34



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -340.229+/-77.871 χ^2/NDF:65.0/17

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

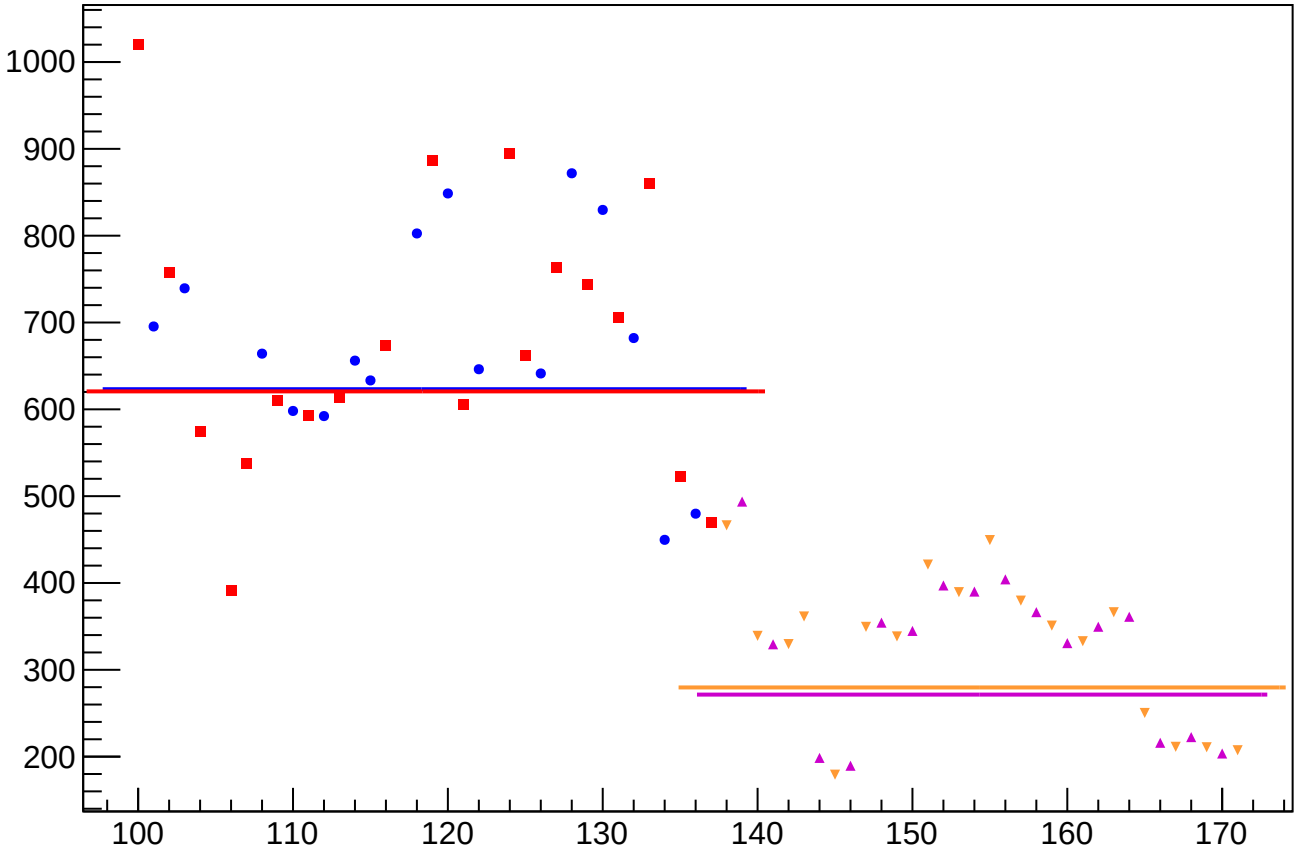
Left In: 36.298+/-78.717 χ^2/NDF:13.0/15

+ sign -338.440+/-74.024 χ^2/NDF: 87.7/33

All: -183.975+/-52.549 χ^2/NDF: 128.0/68

- sign -27.050+/-74.611 χ^2/NDF: 31.5/34

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 279.692+/-0.055 χ^2/NDF:2442076.9/17

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

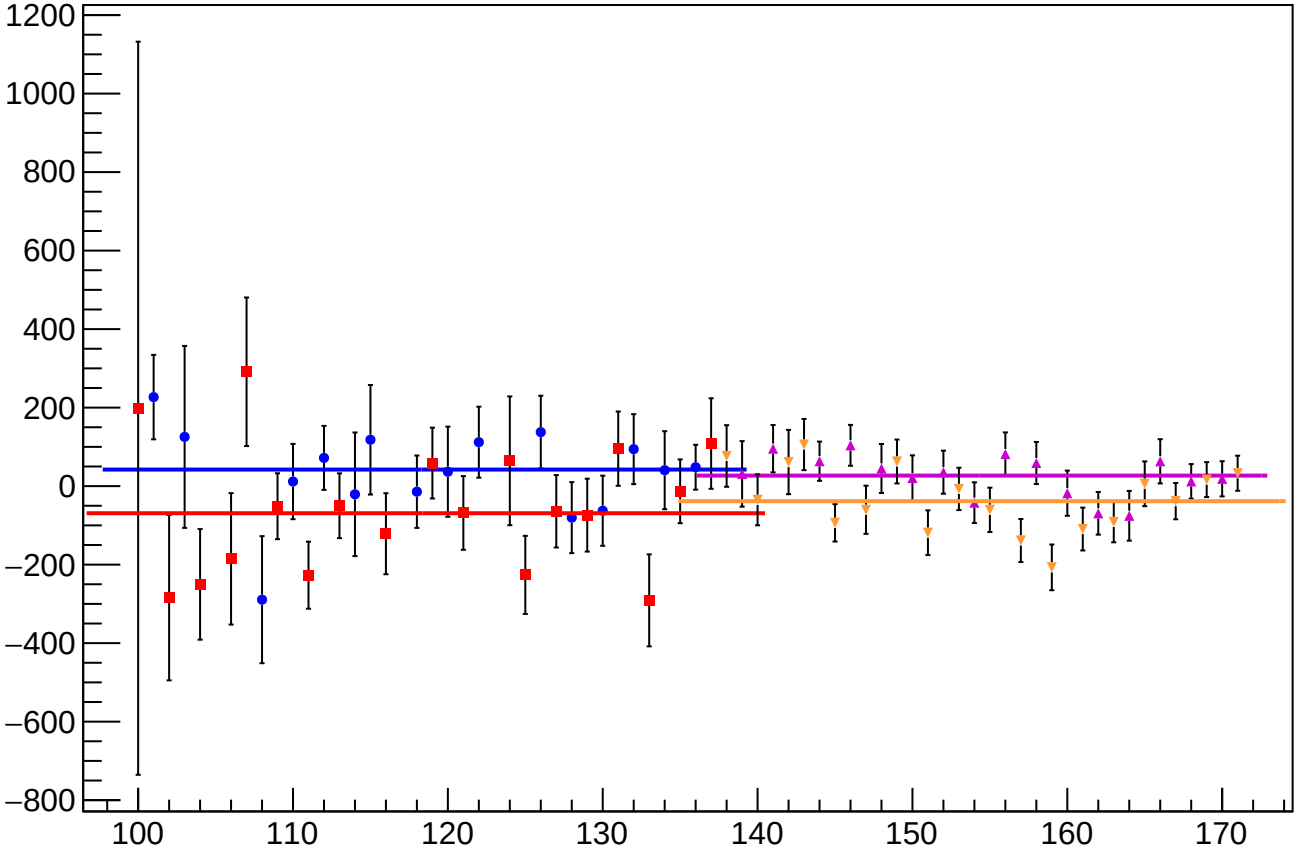
Left In: 271.452+/-0.056 χ^2/NDF:2285880.0/15

+ sign 312.786+/-0.052 χ^2/NDF: 6756901.3/33

All: 309.882+/-0.037 χ^2/NDF: 13658709.9/68

- sign 306.932+/-0.053 χ^2/NDF: 6895603.2/34

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -38.317+/-13.026 χ^2/NDF:34.9/17

Right Out: -69.068+/-24.420 χ^2/NDF: 25.3/18

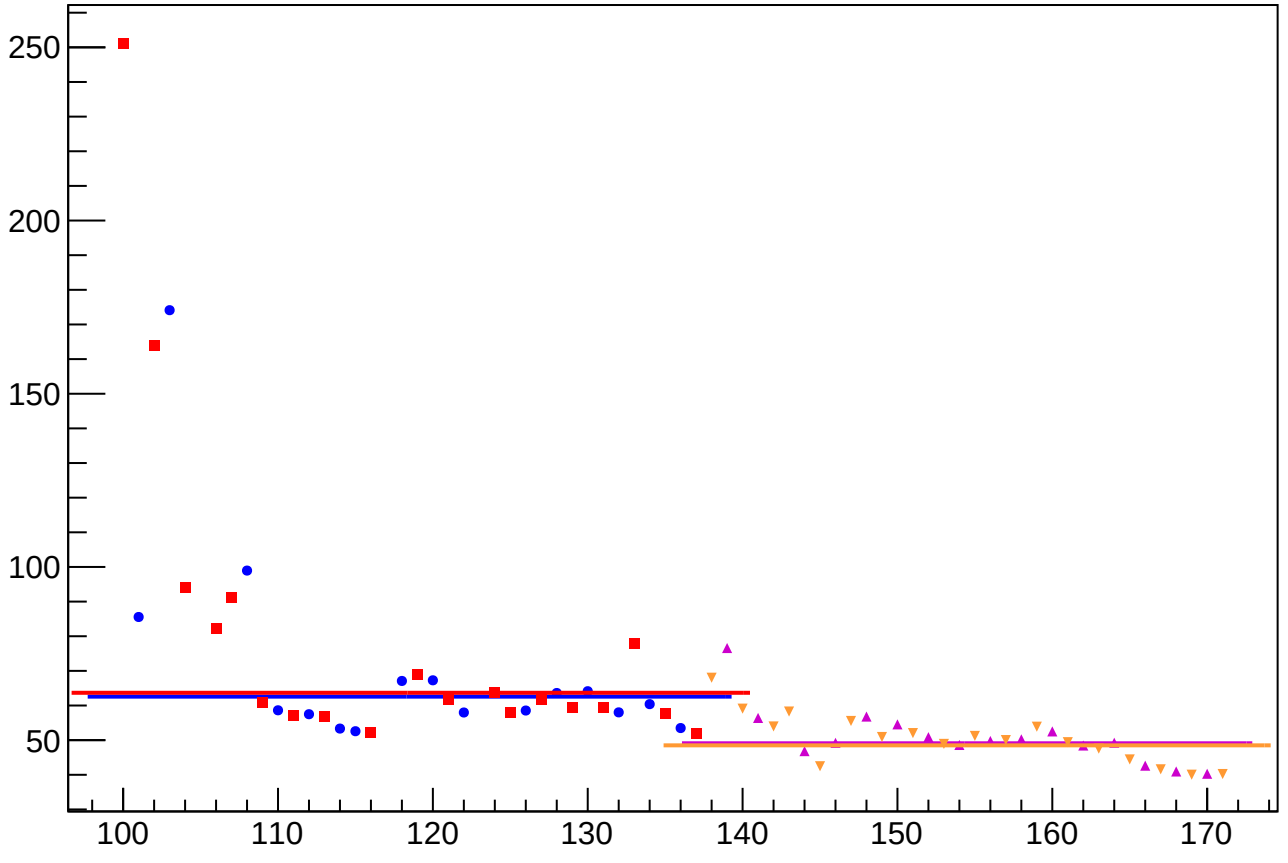
Left In: 26.839+/-13.678 χ^2/NDF:14.2/15

+ sign -20.234+/-11.471 χ^2/NDF: 57.0/33

All: -8.627+/-8.270 χ^2/NDF: 110.4/68

- sign 3.936+/-11.933 χ^2/NDF: 51.2/34

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.8/17

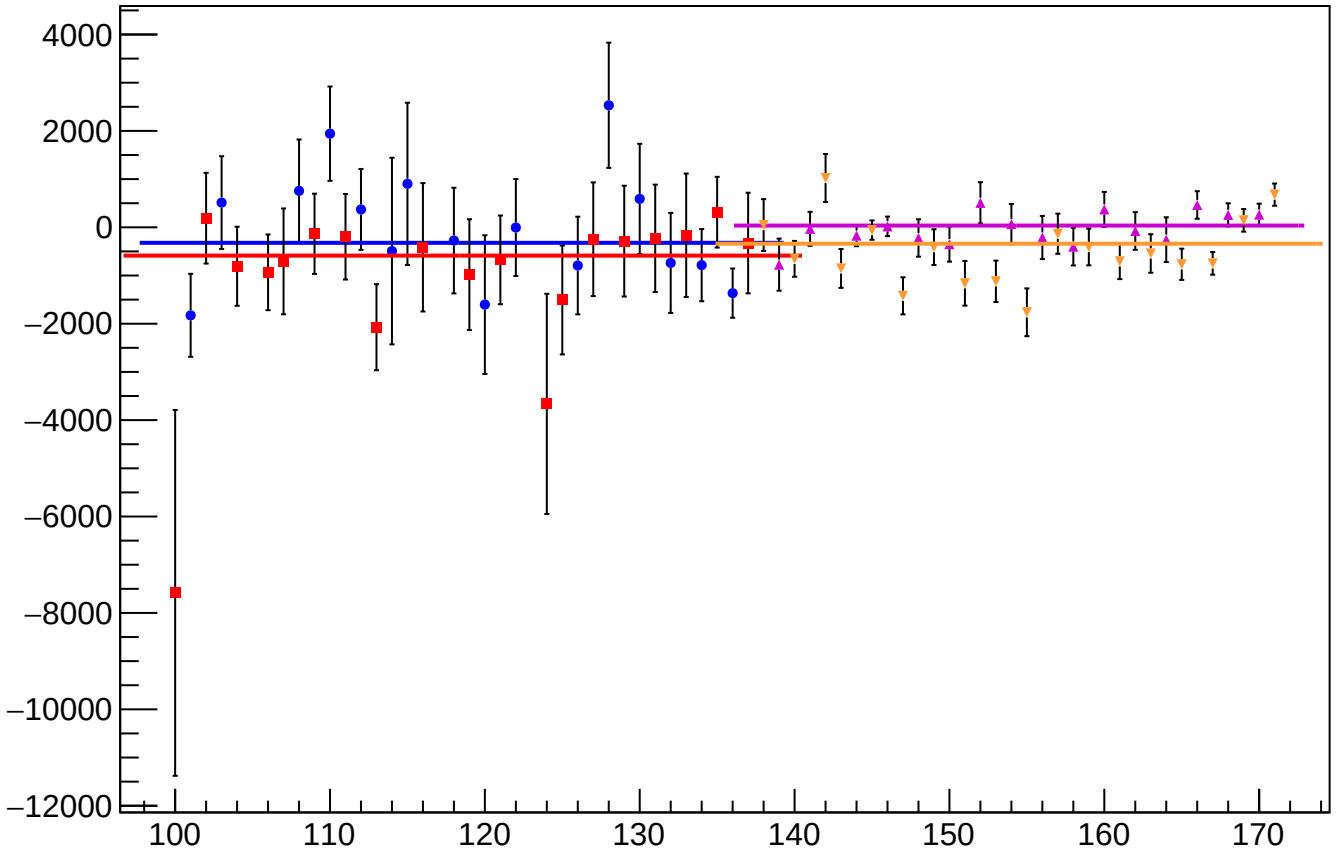
Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 49.097+/-0.010 χ^2/NDF:481212.4/15

+ sign 51.660+/-0.008 χ^2/NDF: 1803410.1/33

All: 52.101+/-0.006 χ^2/NDF: 3664786.6/68

- sign 52.578+/-0.008 χ^2/NDF: 1855218.2/34



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -340.229+/-77.871 χ^2/NDF:65.0/17

Right Out: -587.224+/-234.080 χ^2/NDF: 12.2/18

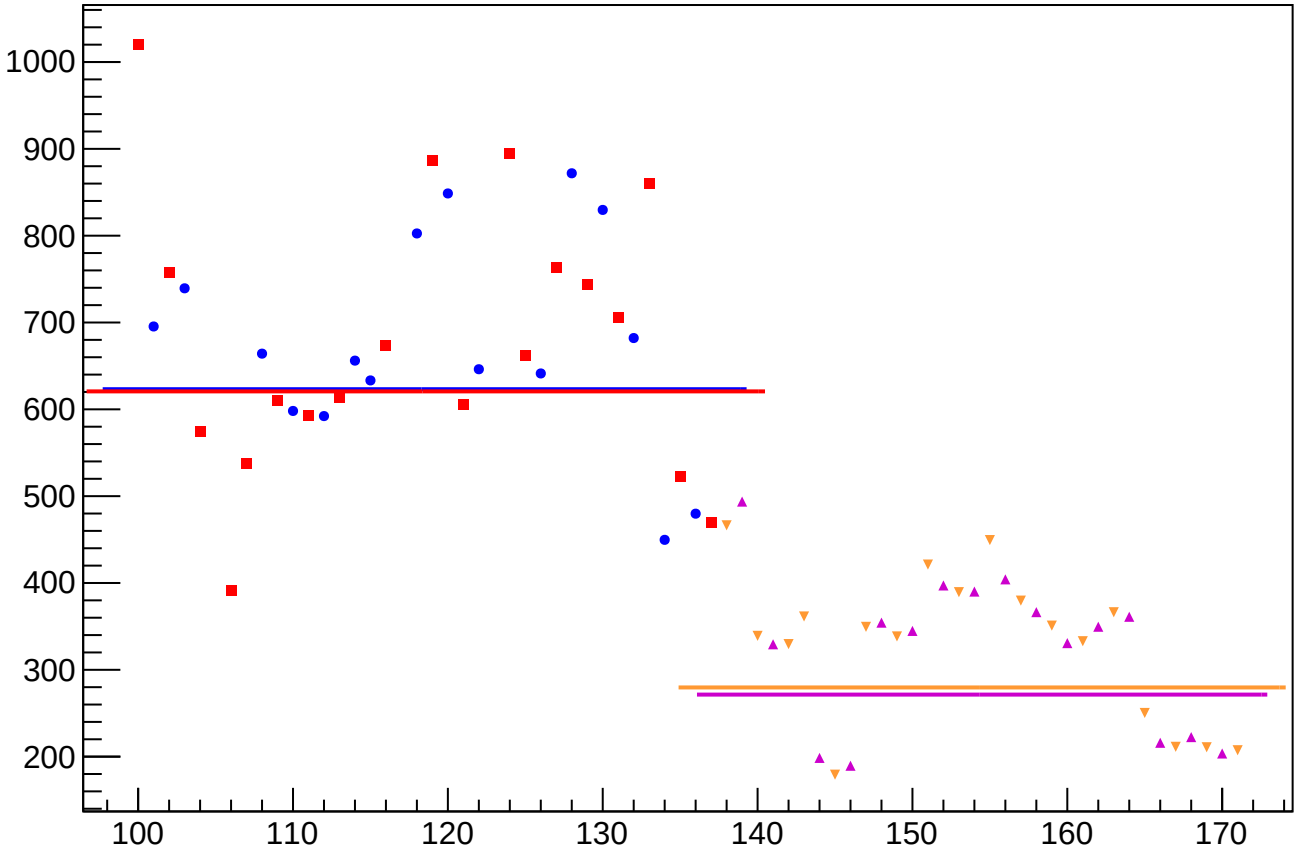
Left In: 36.298+/-78.717 χ^2/NDF:13.0/15

+ sign -338.440+/-74.024 χ^2/NDF: 87.7/33

All: -183.975+/-52.549 χ^2/NDF: 128.0/68

- sign -27.050+/-74.611 χ^2/NDF: 31.5/34

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 279.692+/-0.055 χ^2/NDF:2442076.9/17

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

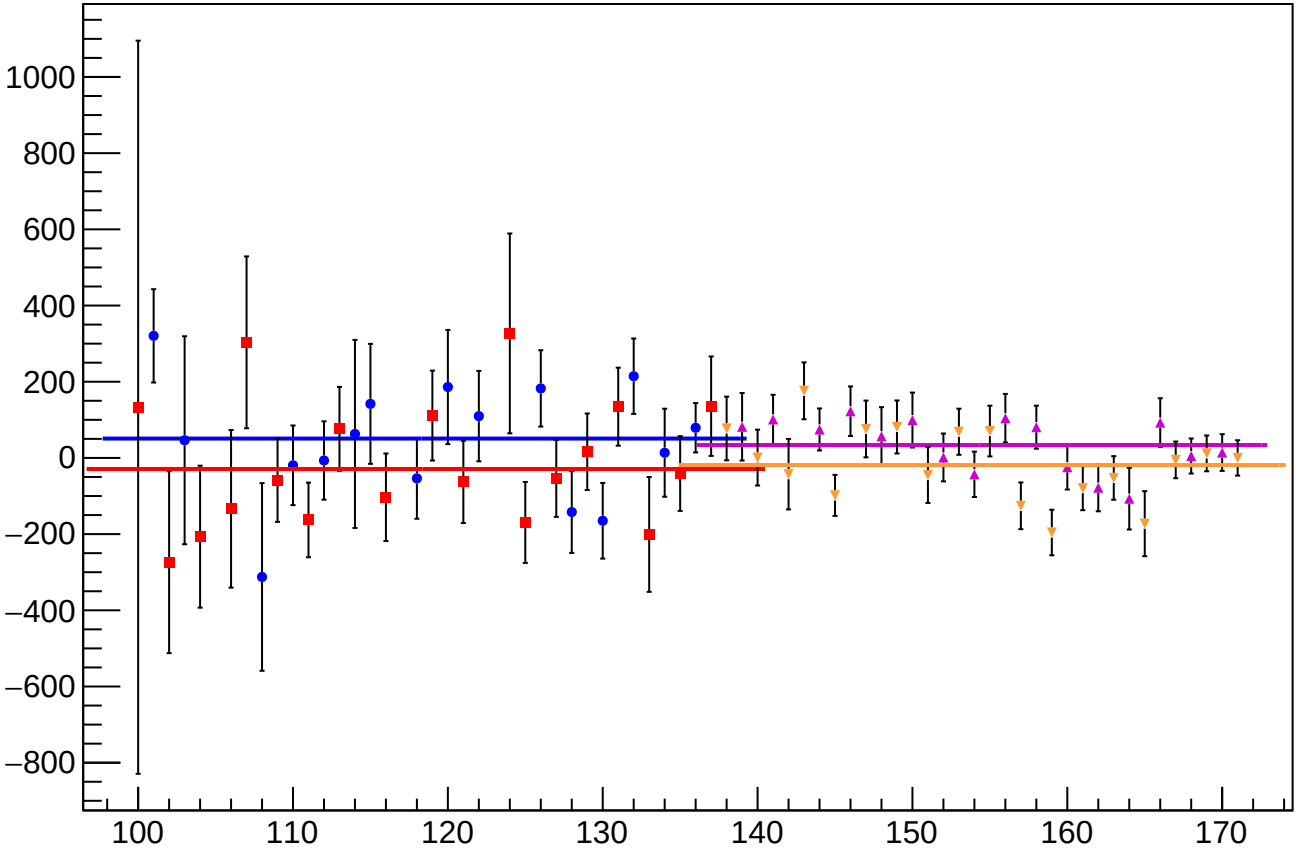
Left In: 271.452+/-0.056 χ^2/NDF:2285880.0/15

+ sign 312.786+/-0.052 χ^2/NDF: 6756901.3/33

All: 309.882+/-0.037 χ^2/NDF: 13658709.9/68

- sign 306.932+/-0.053 χ^2/NDF: 6895603.2/34

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.705+/-14.619 χ^2/NDF:35.3/17

Right Out: -29.040+/-28.910 χ^2/NDF: 18.5/18

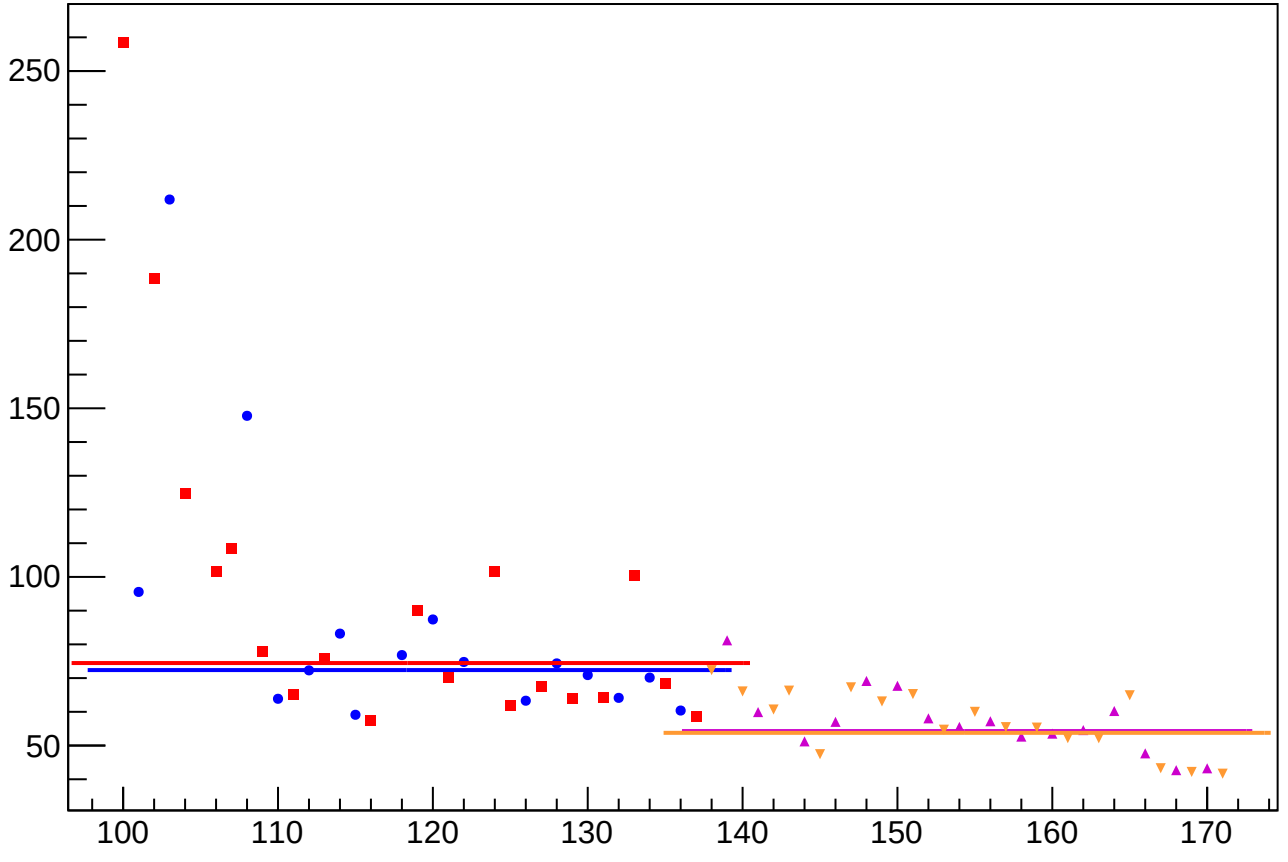
Left In: 33.857+/-15.352 χ^2/NDF:17.2/15

+ sign -4.069+/-12.990 χ^2/NDF: 62.9/33

All: 7.461+/-9.380 χ^2/NDF: 104.0/68

- sign 20.022+/-13.559 χ^2/NDF: 39.4/34

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 53.769+/-0.010 χ^2/NDF:812010.9/17

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

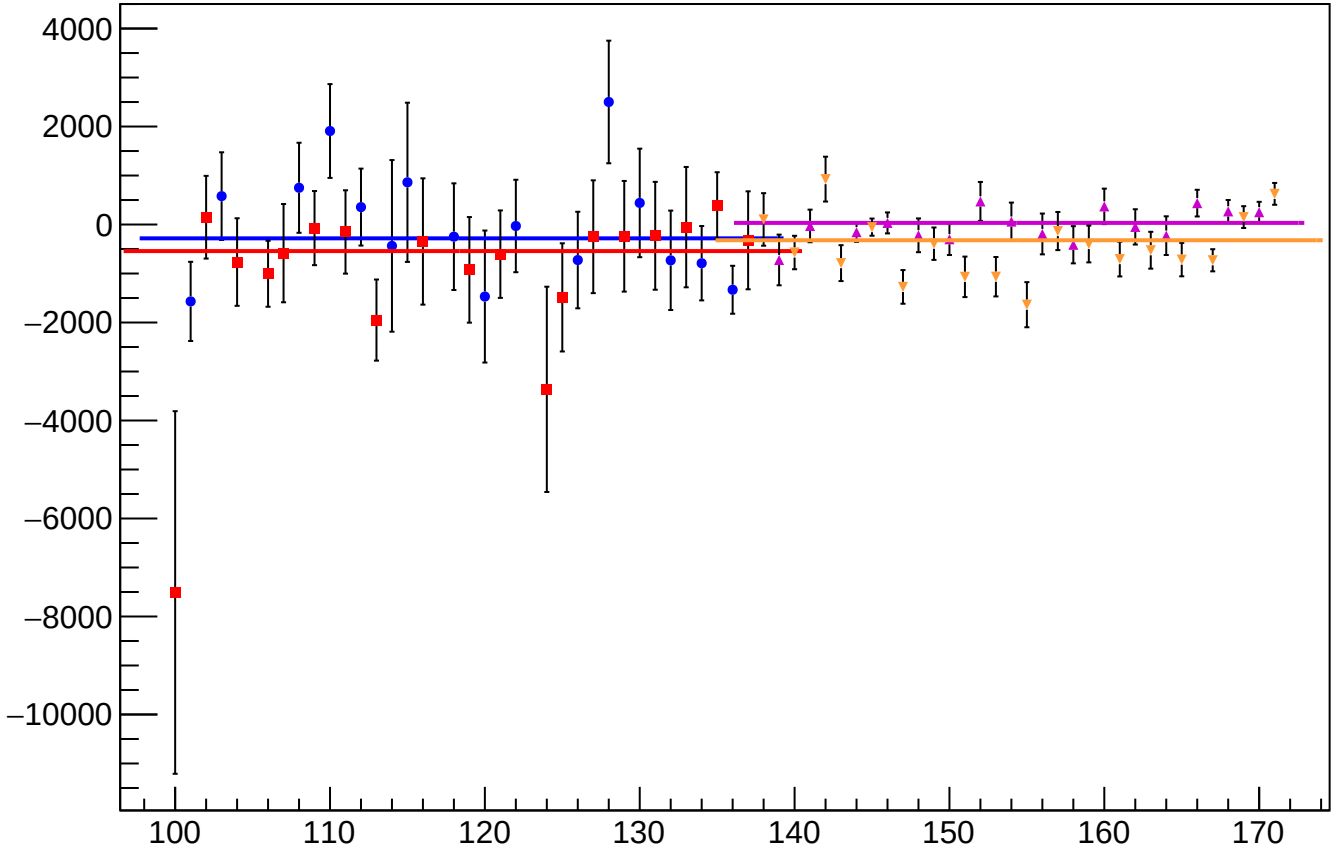
Left In: 54.289+/-0.011 χ^2/NDF:633065.5/15

+ sign 57.685+/-0.009 χ^2/NDF: 2432184.1/33

All: 58.183+/-0.007 χ^2/NDF: 4883465.5/68

- sign 58.726+/-0.010 χ^2/NDF: 2445131.9/34

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -321.168+/-72.845 χ^2/NDF:64.1/17

Right Out: -542.028+/-220.904 χ^2/NDF: 13.3/18

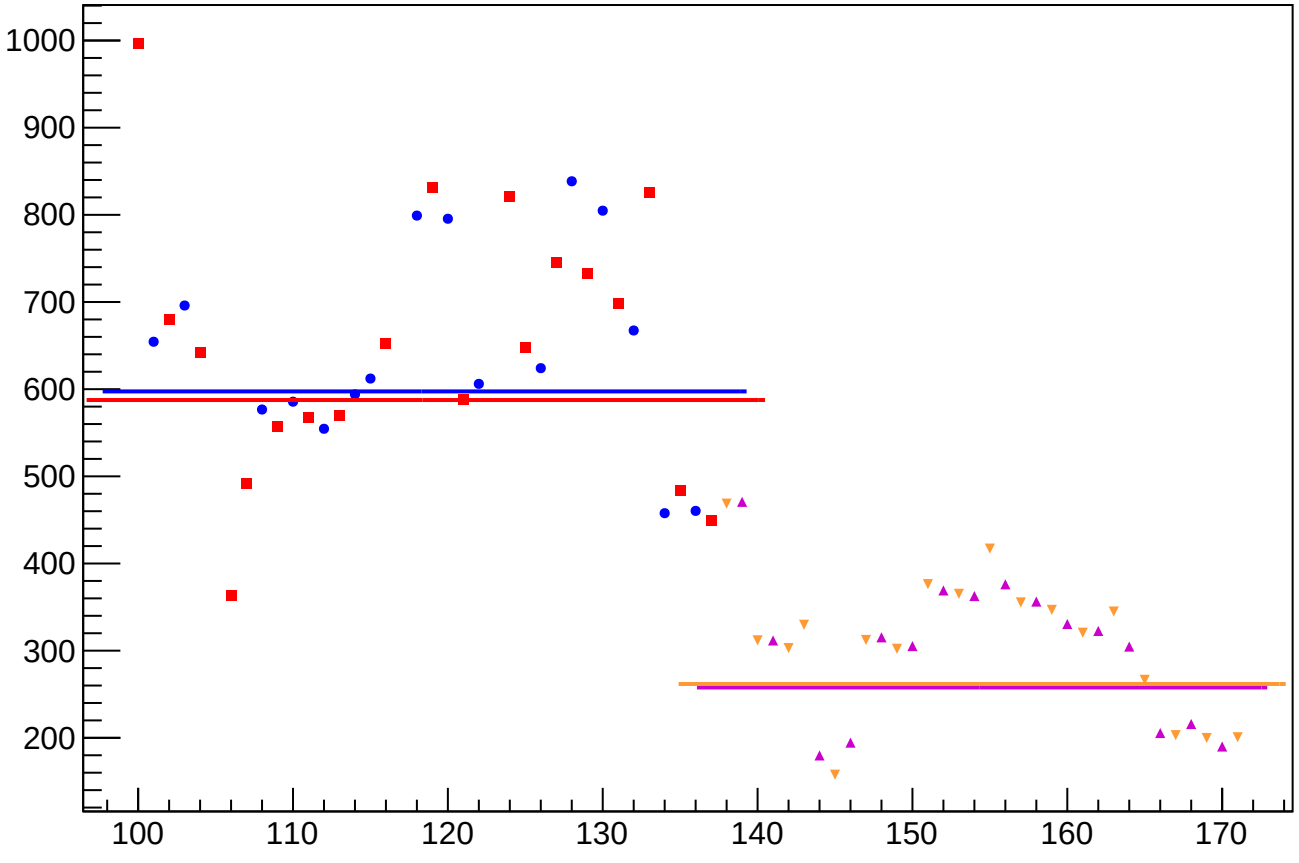
Left In: 33.156+/-74.575 χ^2/NDF:13.2/15

+ sign -317.538+/-69.383 χ^2/NDF: 86.9/33

All: -174.268+/-49.506 χ^2/NDF: 128.1/68

- sign -25.689+/-70.657 χ^2/NDF: 32.6/34

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 261.787+/-0.052 χ^2/NDF:2528256.7/17

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

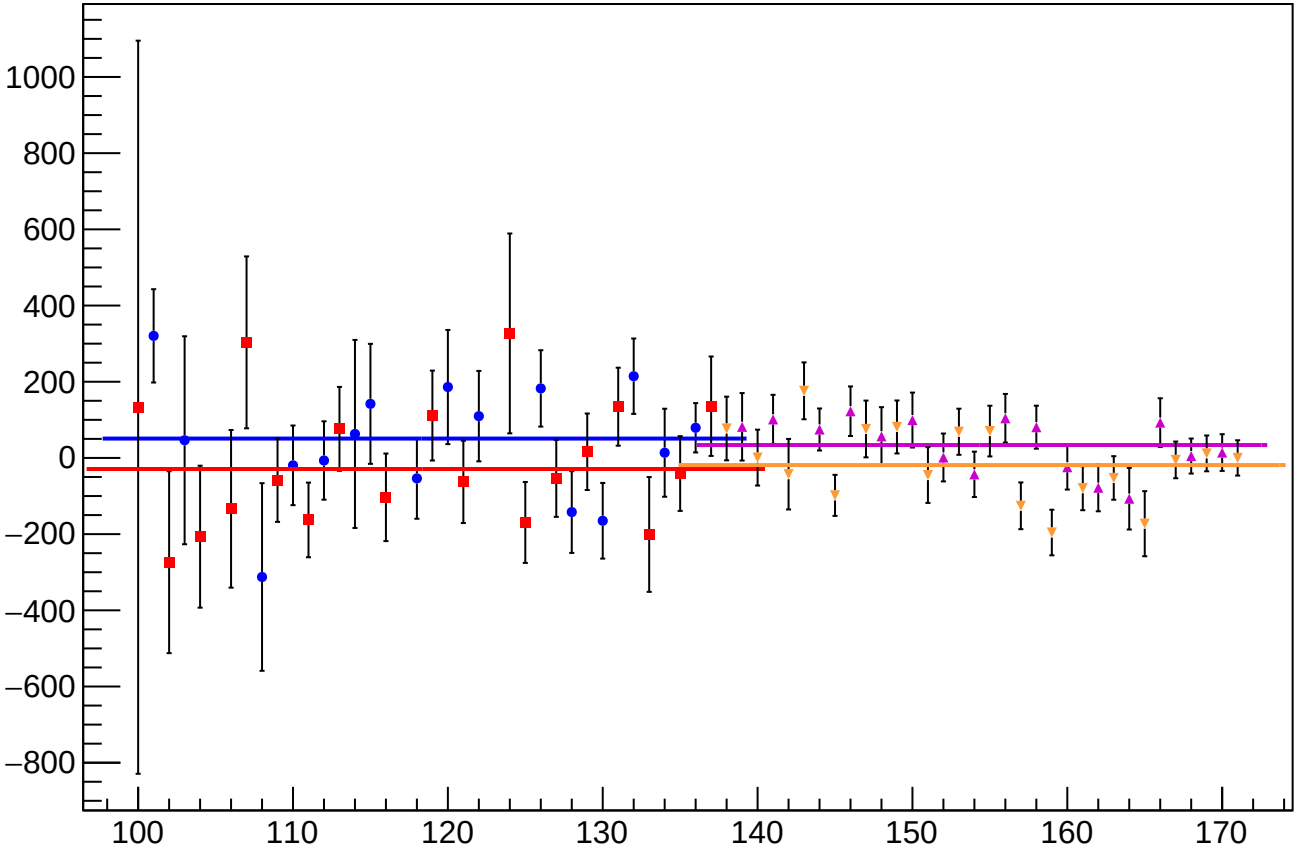
Left In: 257.756+/-0.053 χ^2/NDF:2091642.3/15

+ sign 292.928+/-0.049 χ^2/NDF: 7001658.0/33

All: 292.226+/-0.035 χ^2/NDF: 13784749.4/68

- sign 291.497+/-0.050 χ^2/NDF: 6782674.0/34

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.704+/-14.619 χ^2/NDF:35.3/17

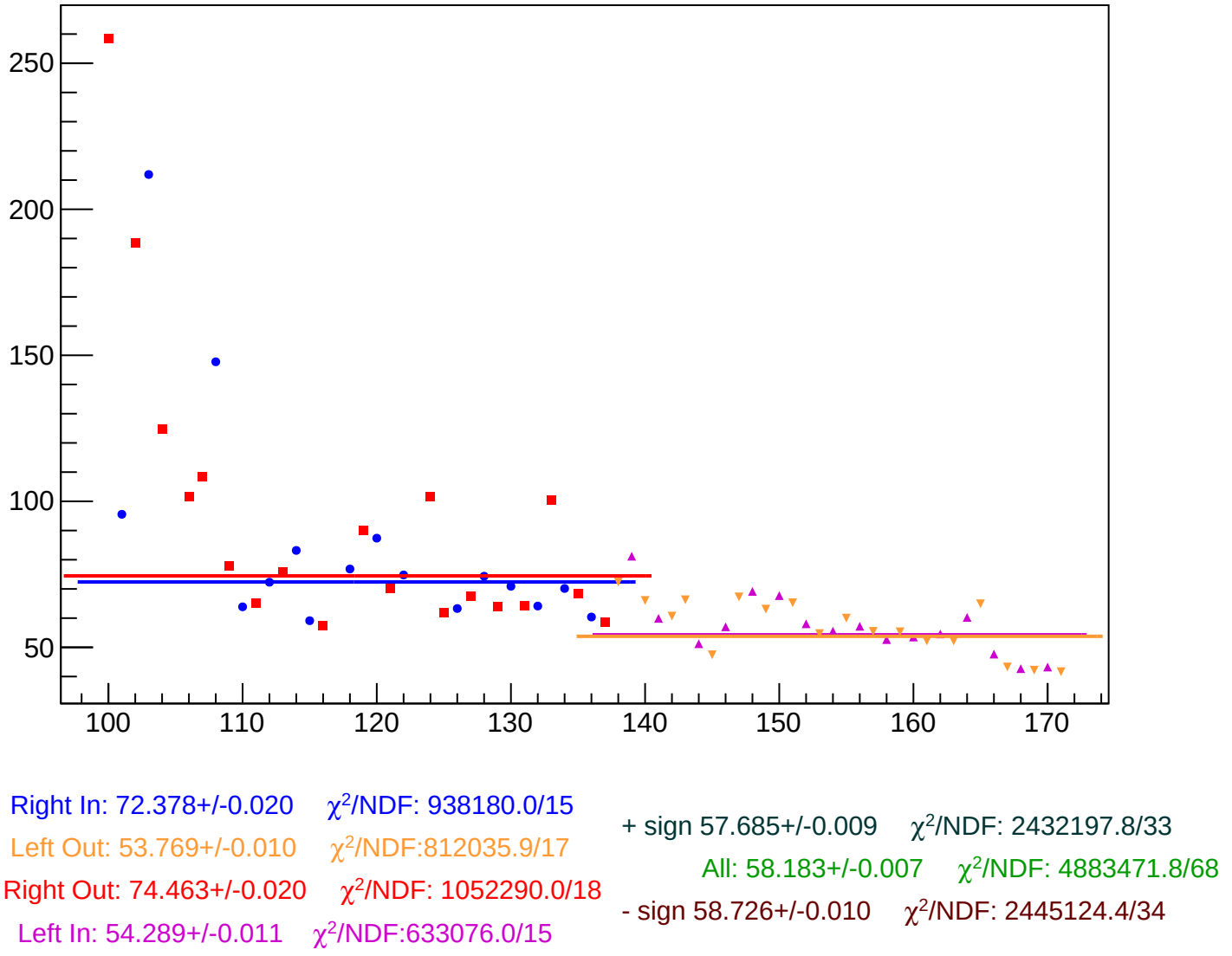
Right Out: -29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: 33.857+/-15.352 χ^2/NDF:17.2/15

+ sign -4.069+/-12.990 χ^2/NDF: 62.9/33

All: 7.461+/-9.380 χ^2/NDF: 104.0/68

- sign 20.023+/-13.559 χ^2/NDF: 39.4/34


eigen_dit_asym_sam_37_dd_rms vs Slug
250
200
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100
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140
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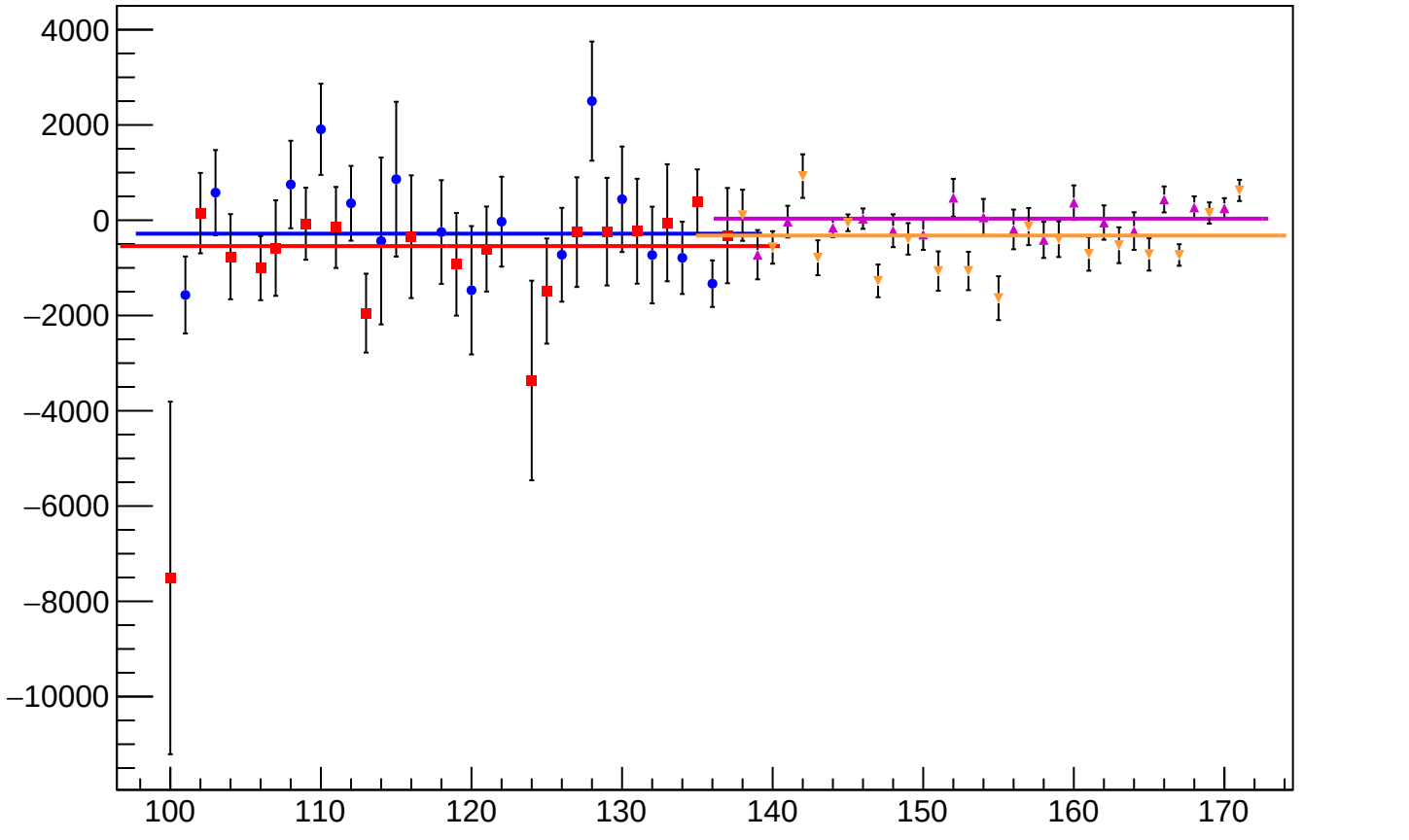
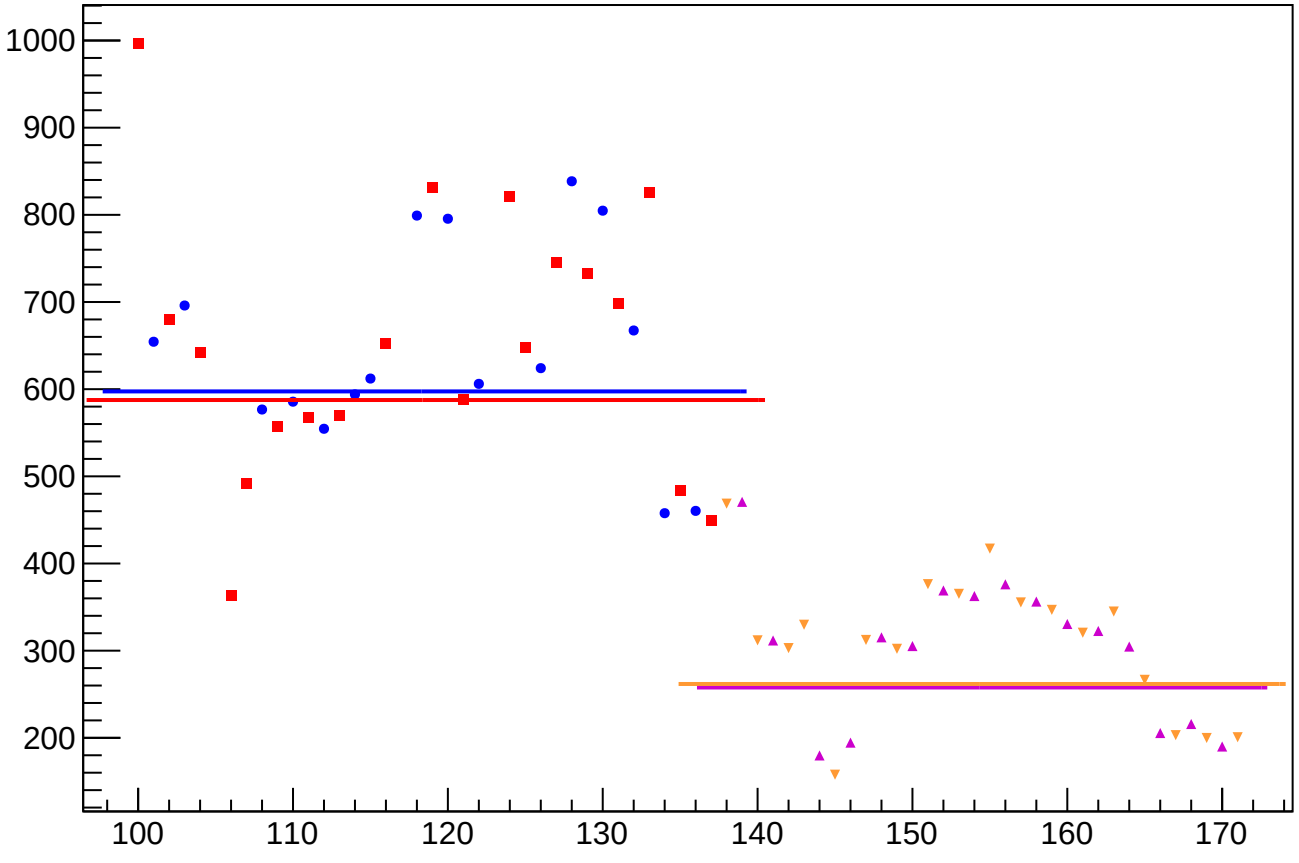
160
170
Right In: 72.378+/-0.020 χ²/NDF: 938180.0/15
Left Out: 53.769+/-0.010 χ²/NDF:812035.9/17
Right Out: 74.463+/-0.020 χ²/NDF: 1052290.0/18
Left In: 54.289+/-0.011 χ²/NDF:633076.0/15
+ sign 57.685+/-0.009 χ²/NDF: 2432197.8/33
All: 58.183+/-0.007 χ²/NDF: 4883471.8/68
- sign 58.726+/-0.010 χ²/NDF: 2445124.4/34


asym_sam_37_dd_eigen_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: -282.038+/-227.789 χ²/NDF: 22.8/15
Left Out: -321.169+/-72.845 χ²/NDF:64.1/17
Right Out: -542.028+/-220.904 χ²/NDF: 13.3/18
Left In: 33.156+/-74.575 χ²/NDF:13.2/15
+ sign -317.538+/-69.383 χ²/NDF: 86.9/33
All: -174.268+/-49.506 χ²/NDF: 128.1/68
- sign -25.689+/-70.657 χ²/NDF: 32.6/34

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 261.787+/-0.052 χ^2/NDF:2528242.1/17

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

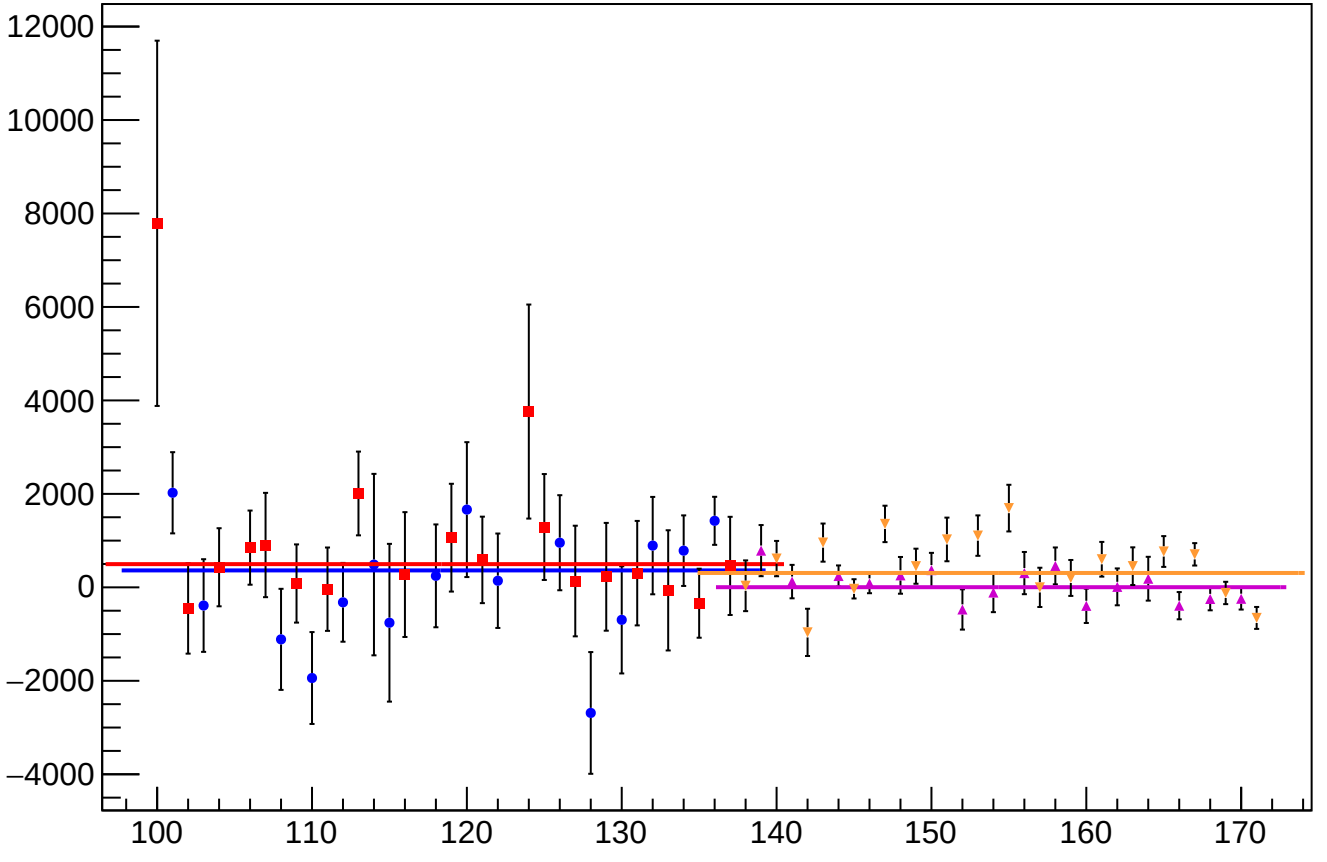
Left In: 257.755+/-0.053 χ^2/NDF:2091632.6/15

+ sign 292.928+/-0.049 χ^2/NDF: 7001647.3/33

All: 292.225+/-0.035 χ^2/NDF: 13784728.4/68

- sign 291.497+/-0.050 χ^2/NDF: 6782663.5/34

asym_sam_37_dd_mean vs Slug



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 307.795+/-79.149 χ^2/NDF:59.5/17

Right Out: 496.639+/-236.029 χ^2/NDF: 12.7/18

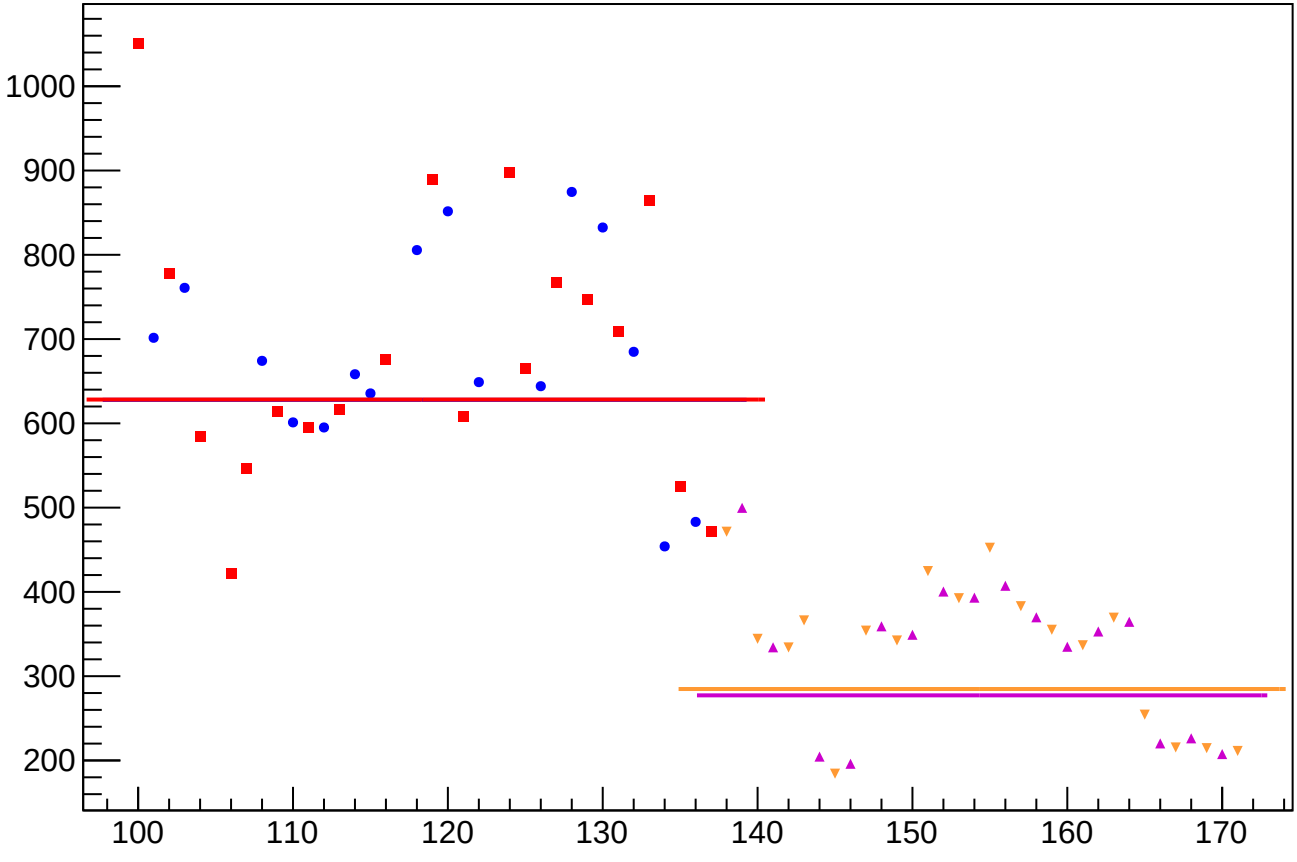
Left In: 3.305+/-80.202 χ^2/NDF:13.3/15

+ sign 313.138+/-75.177 χ^2/NDF: 84.6/33

All: 185.058+/-53.425 χ^2/NDF: 120.3/68

- sign 54.370+/-75.938 χ^2/NDF: 29.9/34

asym_sam_37_dd_rms vs Slug



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 284.773+/-0.056 χ^2/NDF:2356129.1/17

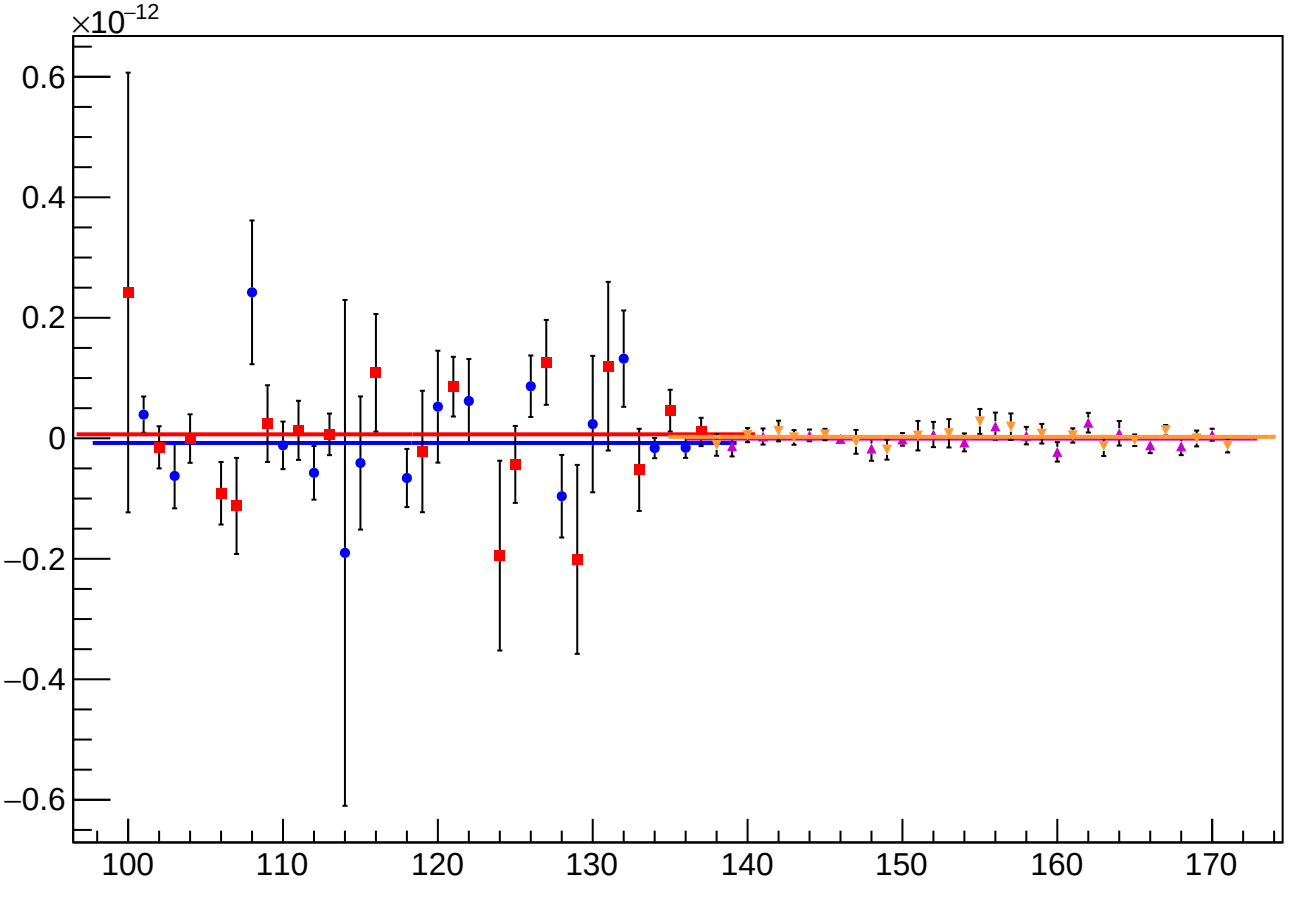
Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 277.246+/-0.057 χ^2/NDF:2181294.9/15

+ sign 318.355+/-0.053 χ^2/NDF: 6601499.0/33

All: 315.991+/-0.038 χ^2/NDF: 13323011.2/68

- sign 313.579+/-0.054 χ^2/NDF: 6717516.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/17

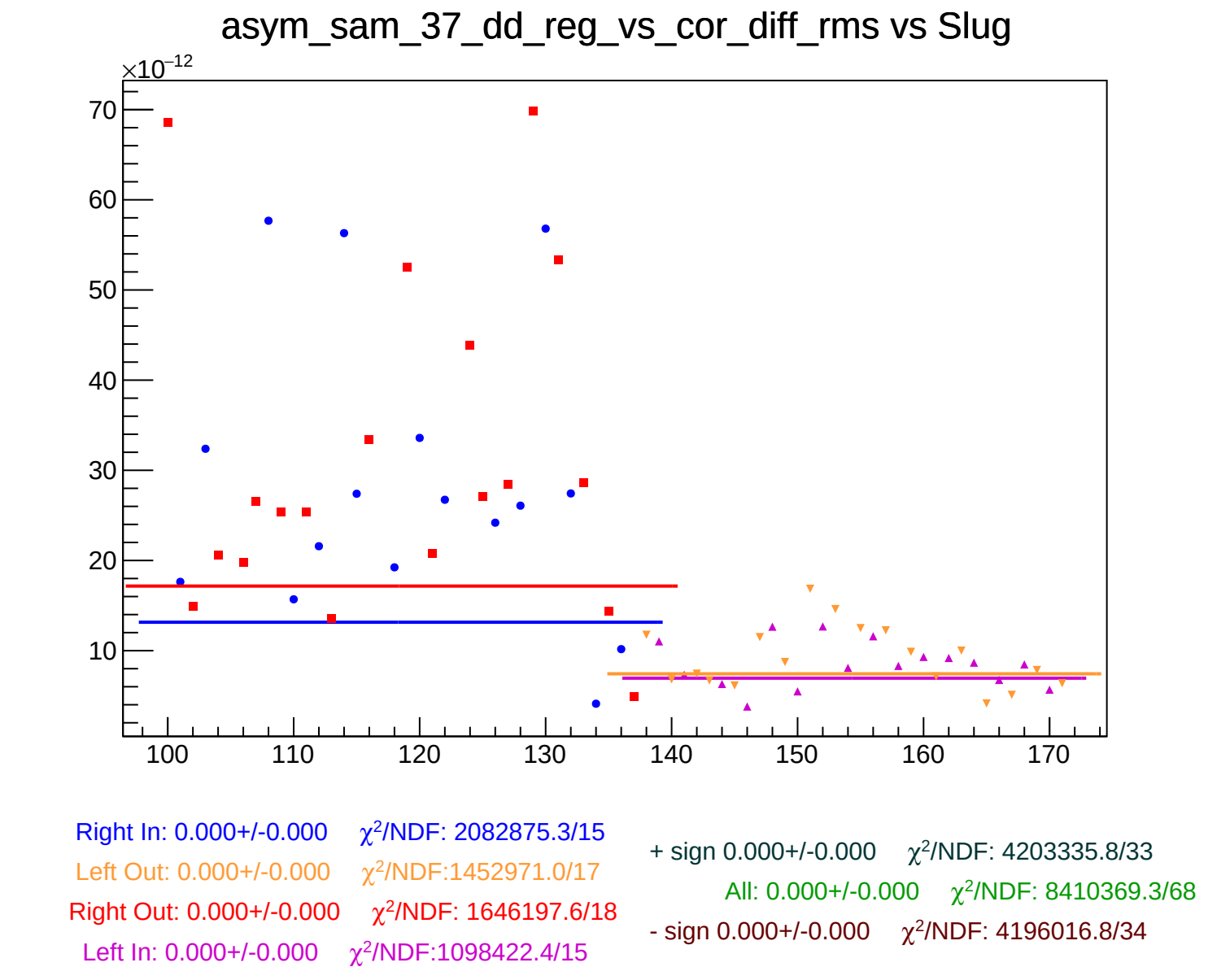
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 31.6/33

All: 0.000+/-0.000 χ^2/NDF: 61.3/68

- sign 0.000+/-0.000 χ^2/NDF: 29.6/34


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug
×10^−12
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140
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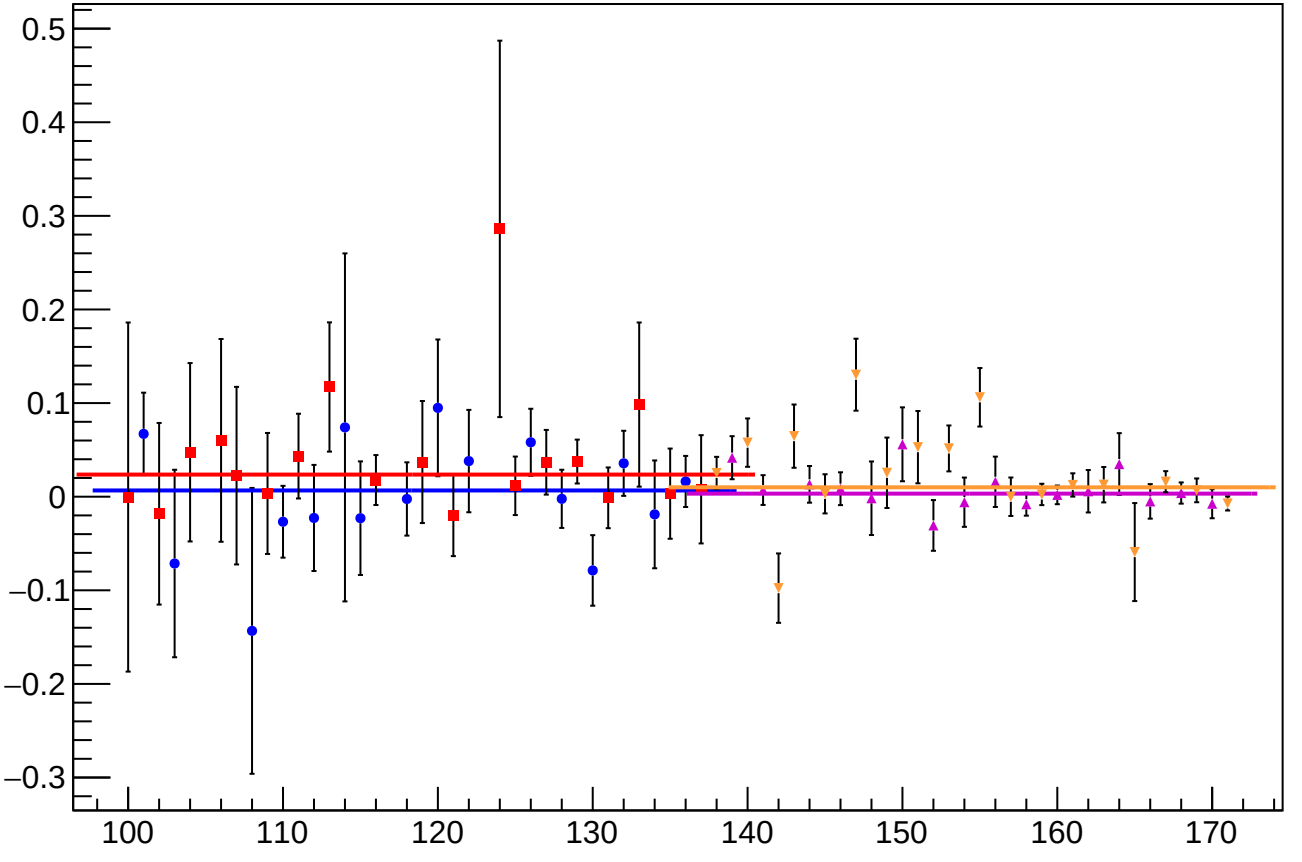
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1452971.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1098422.4/15
+ sign 0.000+/-0.000 χ²/NDF: 4203335.8/33
All: 0.000+/-0.000 χ²/NDF: 8410369.3/68
- sign 0.000+/-0.000 χ²/NDF: 4196016.8/34

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: 0.010+/-0.004 χ^2/NDF:47.1/17

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

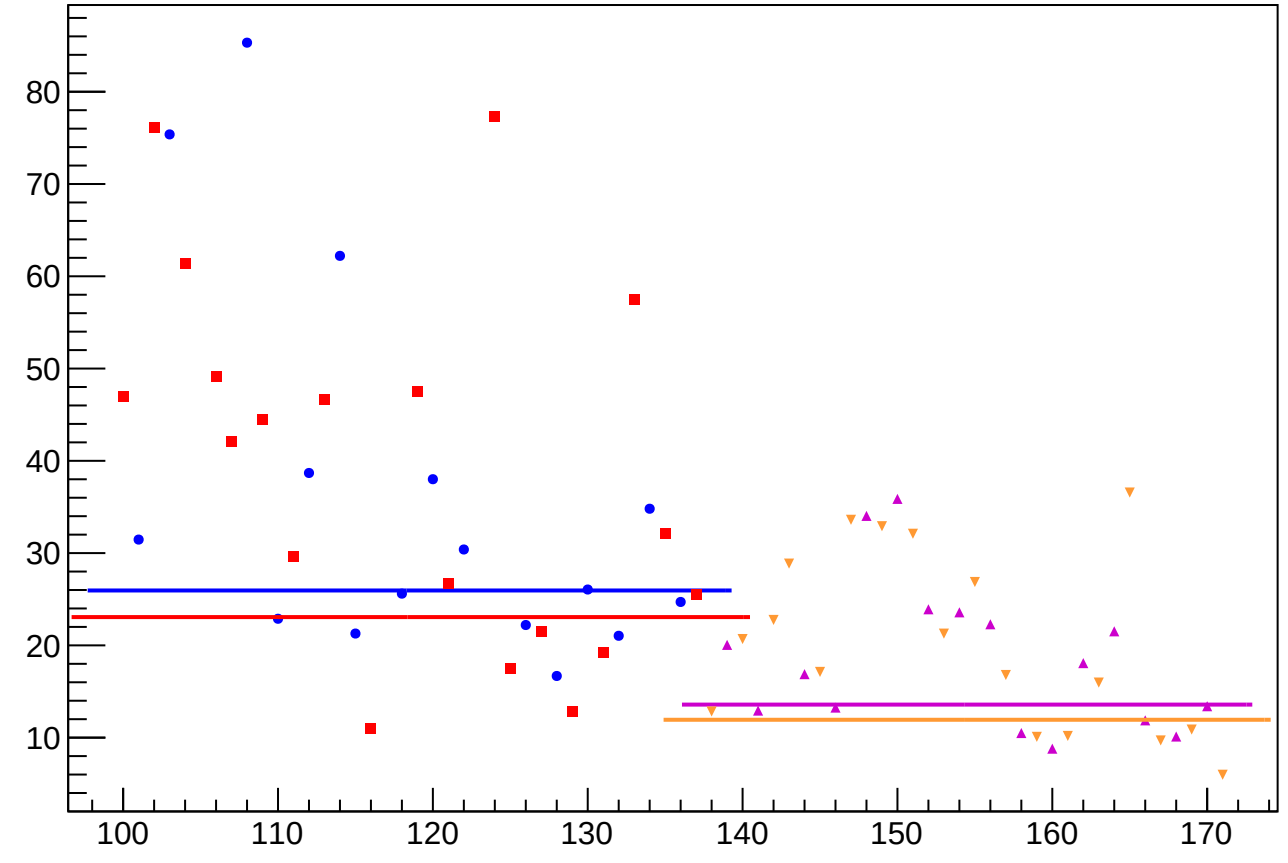
Left In: 0.003+/-0.004 χ^2/NDF:9.4/15

+ sign 0.010+/-0.004 χ^2/NDF: 62.2/33

All: 0.008+/-0.003 χ^2/NDF: 82.6/68

- sign 0.006+/-0.004 χ^2/NDF: 20.1/34

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: 11.937+/-0.003 χ^2/NDF:5676864.7/17

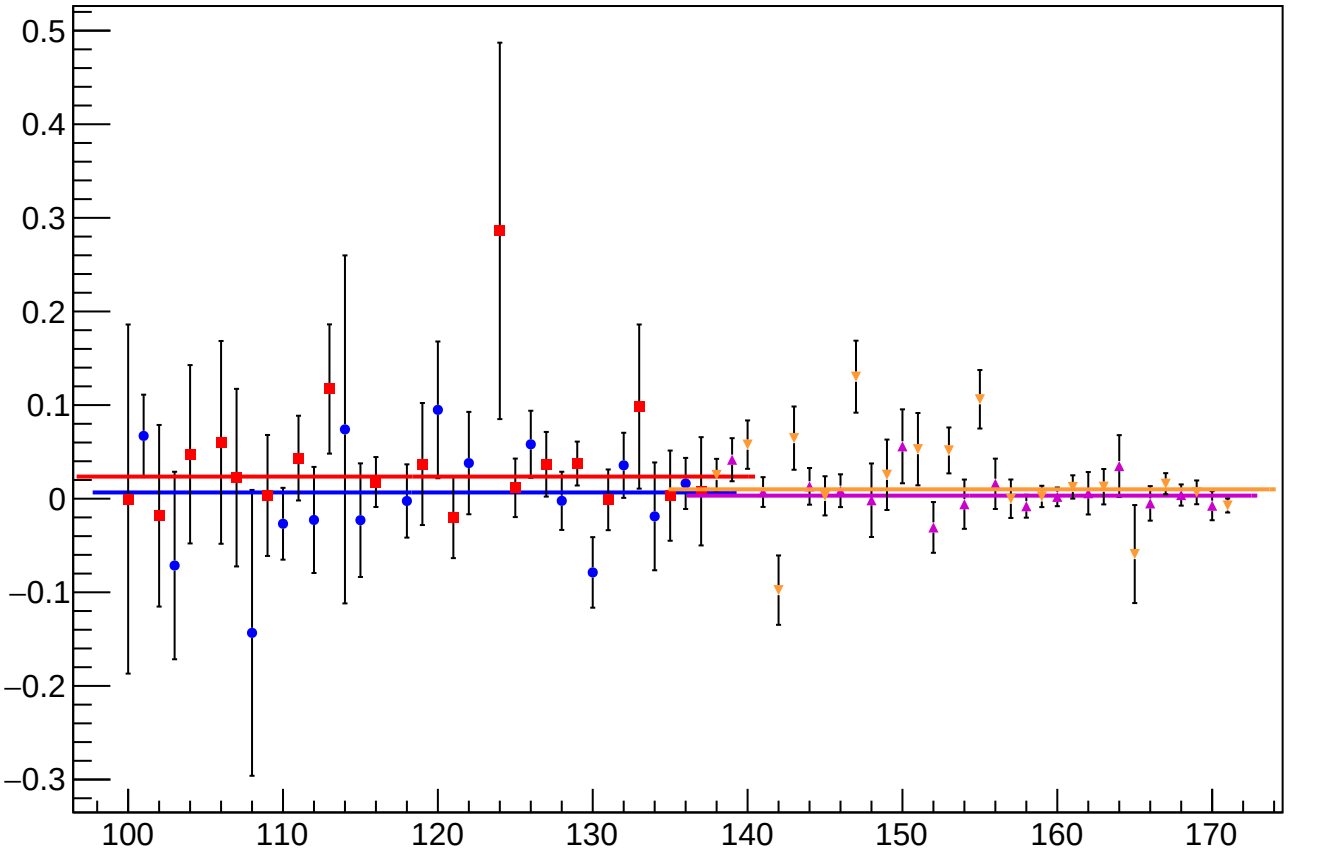
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.581+/-0.003 χ^2/NDF:3171505.9/15

+ sign 13.491+/-0.003 χ^2/NDF: 9892435.2/33

All: 14.174+/-0.002 χ^2/NDF: 17963111.3/68

- sign 14.997+/-0.003 χ^2/NDF: 7920085.9/34



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

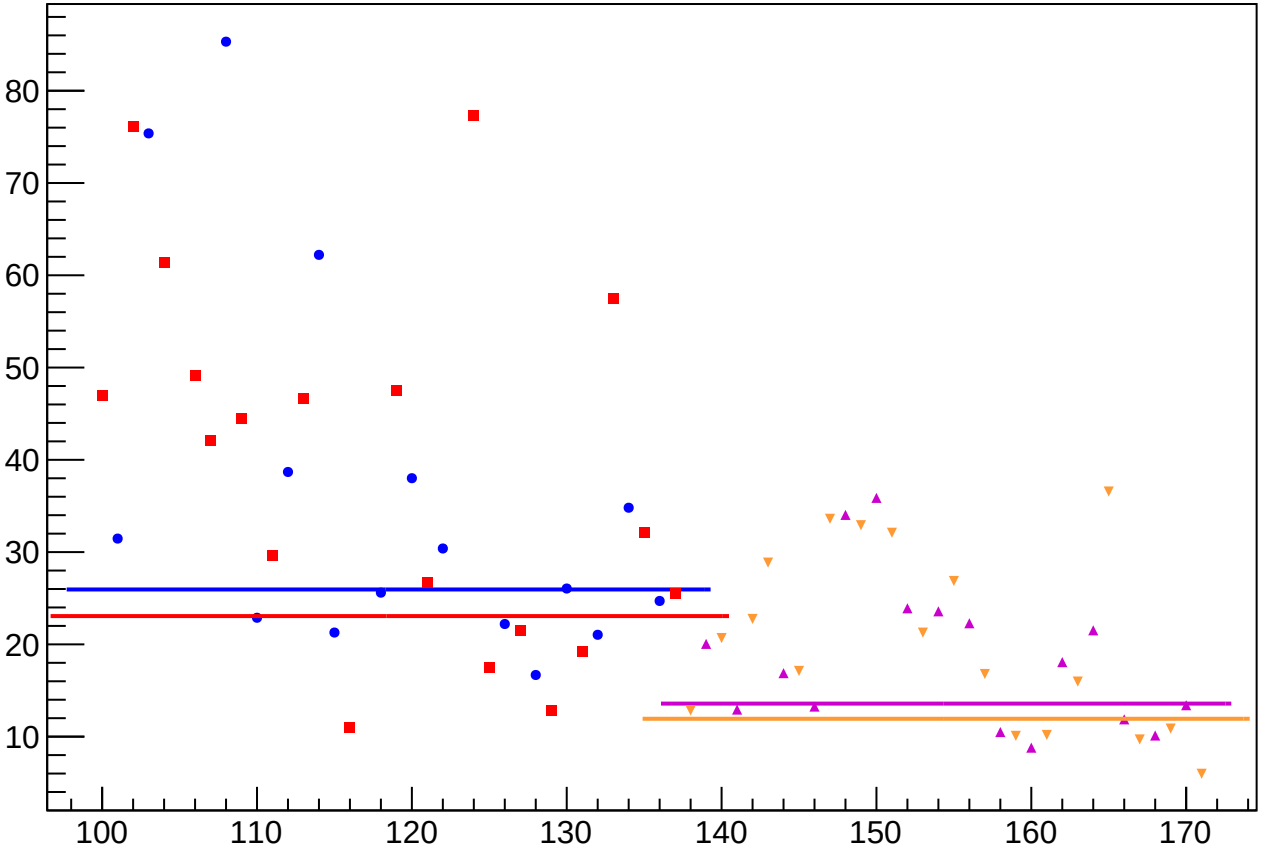
Left In: 0.003+/-0.004 χ^2/NDF:9.4/15

+ sign 0.010+/-0.004 χ^2/NDF: 62.2/33

All: 0.008+/-0.003 χ^2/NDF: 82.6/68

- sign 0.006+/-0.004 χ^2/NDF: 20.1/34

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 11.937+/-0.003 χ^2/NDF:5676864.7/17

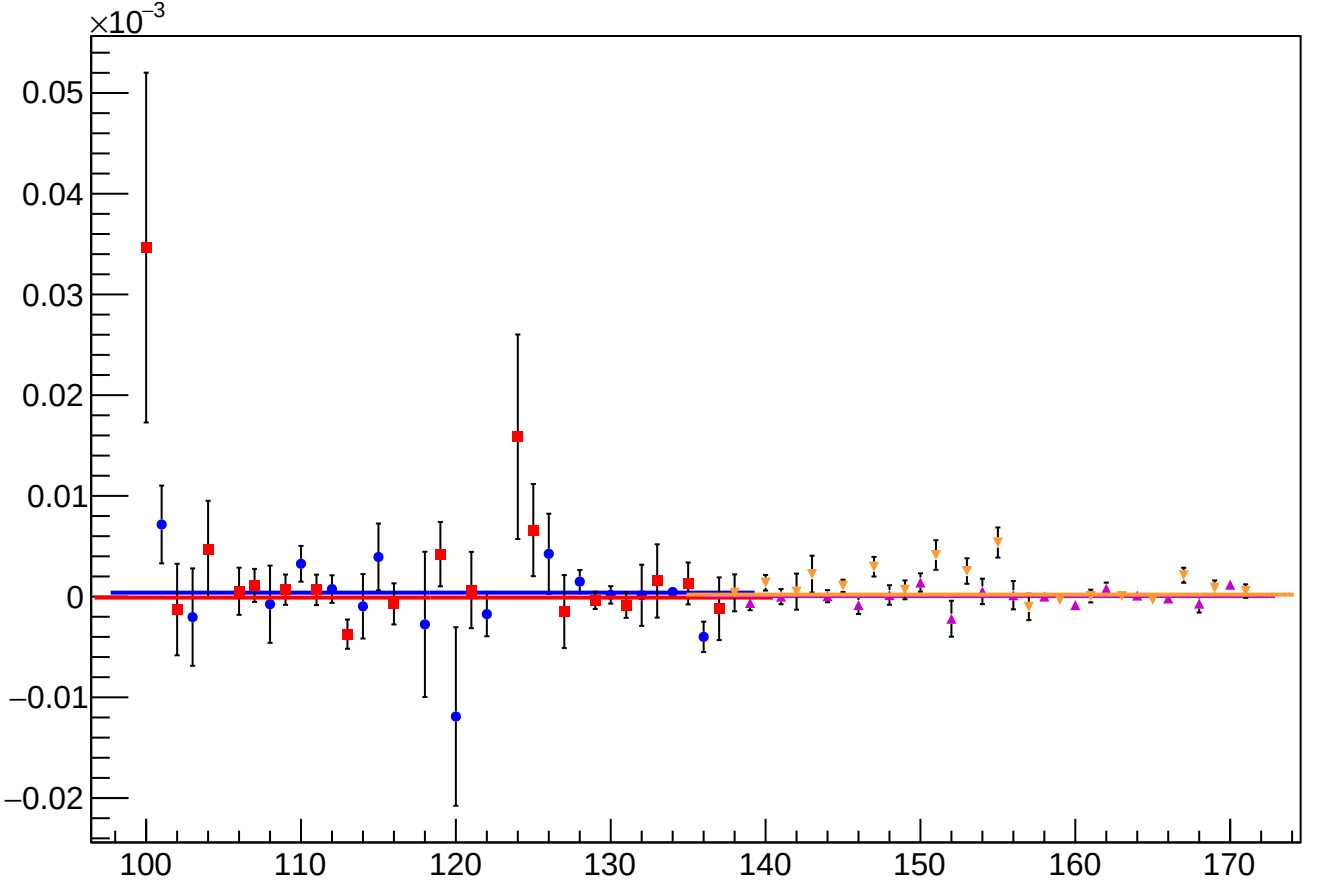
Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.581+/-0.003 χ^2/NDF:3171505.9/15

+ sign 13.491+/-0.003 χ^2/NDF: 9892435.2/33

All: 14.174+/-0.002 χ^2/NDF: 17963111.3/68

- sign 14.997+/-0.003 χ^2/NDF: 7920085.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:53.2/17

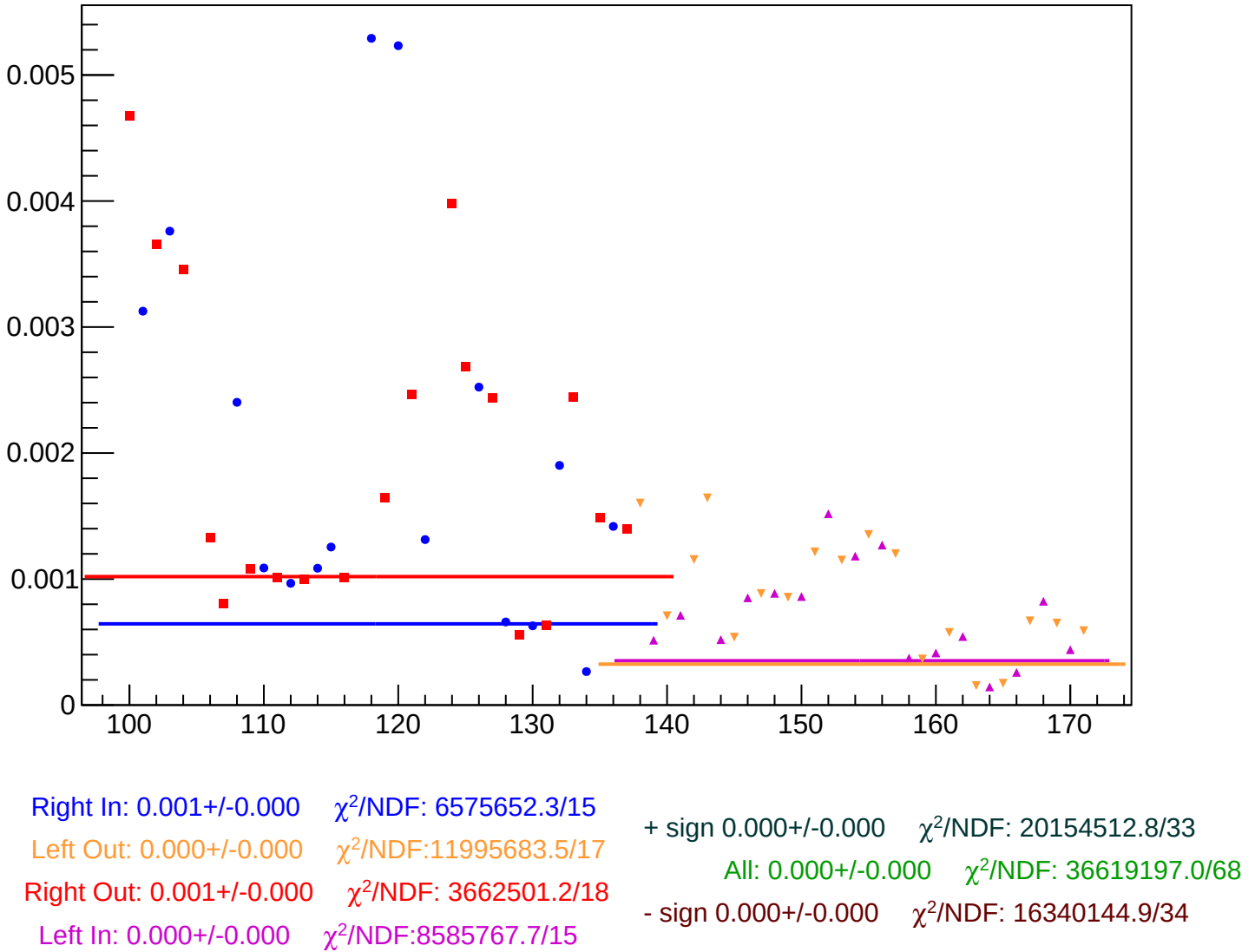
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

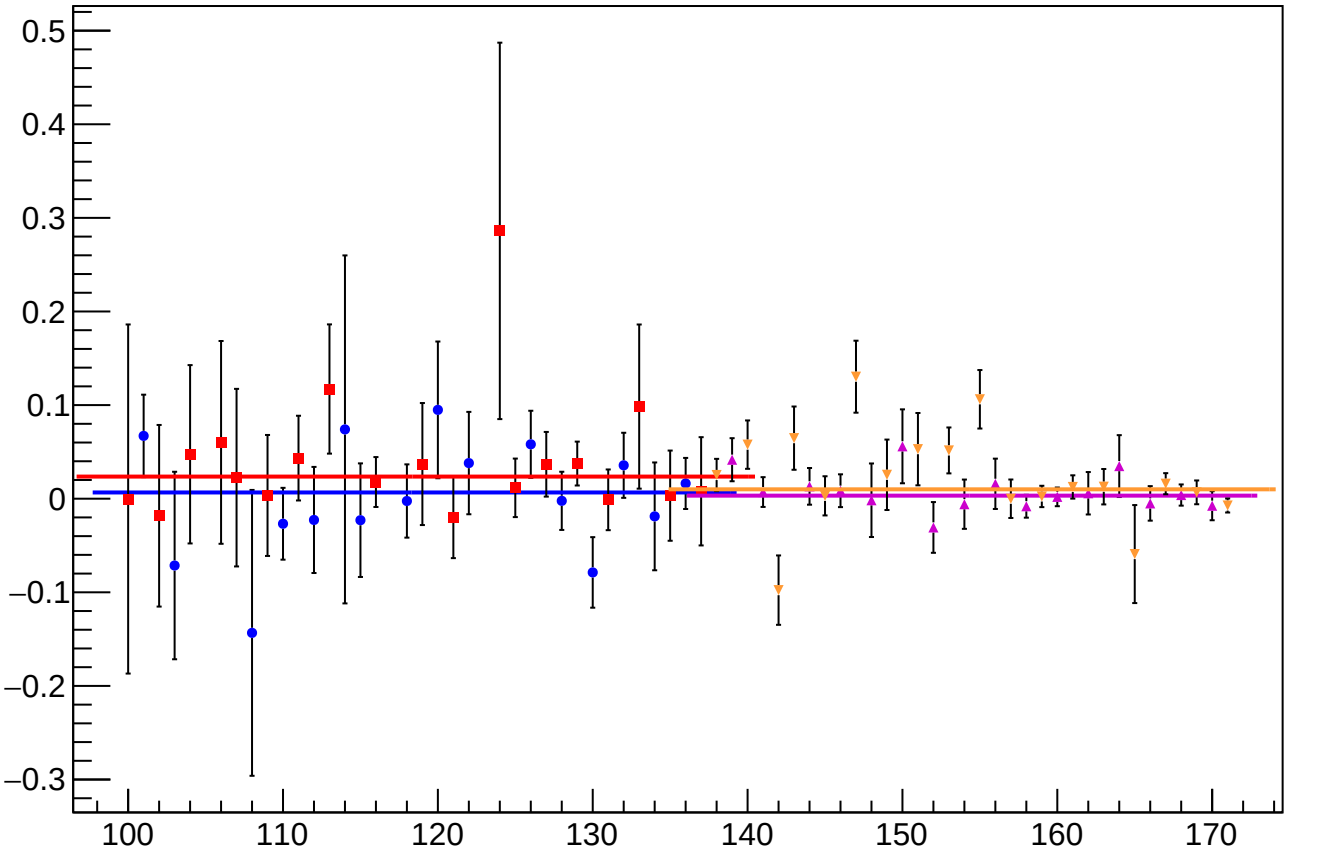
Left In: 0.000+/-0.000 χ^2/NDF:17.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 74.3/33

All: 0.000+/-0.000 χ^2/NDF: 113.5/68

- sign 0.000+/-0.000 χ^2/NDF: 38.0/34


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6575652.3/15
Left Out: 0.000+/-0.000 χ²/NDF:11995683.5/17
Right Out: 0.001+/-0.000 χ²/NDF: 3662501.2/18
Left In: 0.000+/-0.000 χ²/NDF:8585767.7/15
+ sign 0.000+/-0.000 χ²/NDF: 20154512.8/33
All: 0.000+/-0.000 χ²/NDF: 36619197.0/68
- sign 0.000+/-0.000 χ²/NDF: 16340144.9/34



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

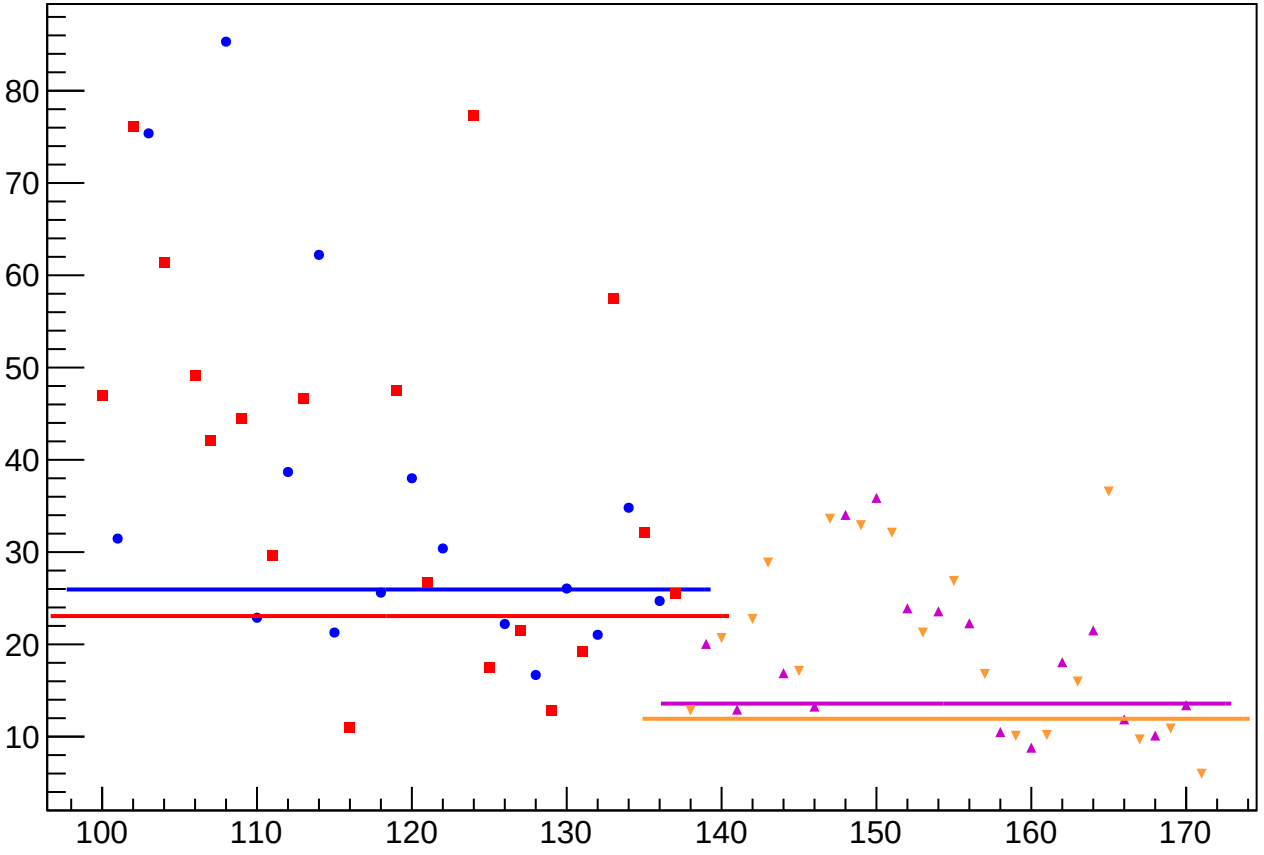
Left In: 0.003+/-0.004 χ^2/NDF:9.4/15

+ sign 0.010+/-0.004 χ^2/NDF: 62.2/33

All: 0.008+/-0.003 χ^2/NDF: 82.6/68

- sign 0.006+/-0.004 χ^2/NDF: 20.1/34

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.937+/-0.003 χ^2/NDF:5677070.1/17

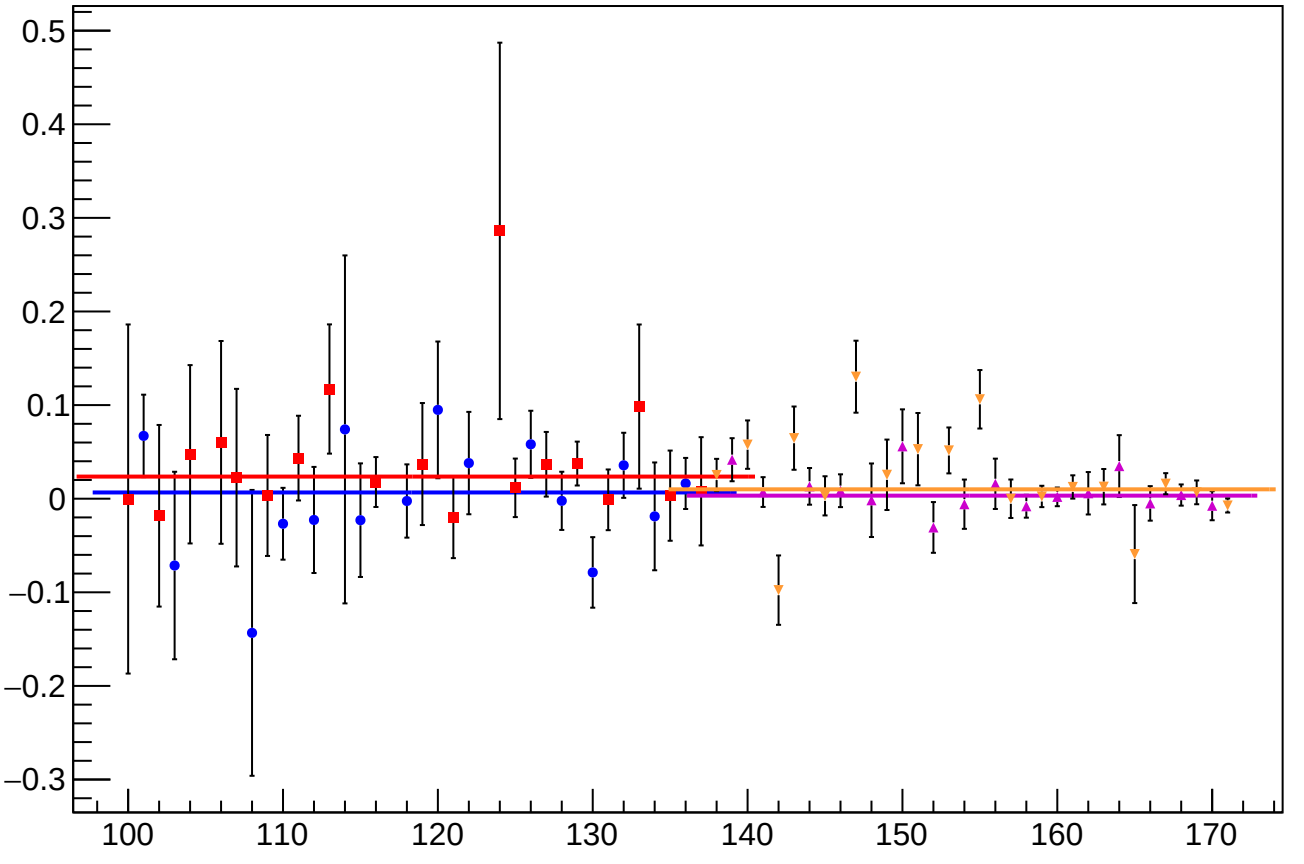
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.581+/-0.003 χ^2/NDF:3171658.2/15

+ sign 13.491+/-0.003 χ^2/NDF: 9892640.8/33

All: 14.174+/-0.002 χ^2/NDF: 17963385.0/68

- sign 14.997+/-0.003 χ^2/NDF: 7920162.5/34



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

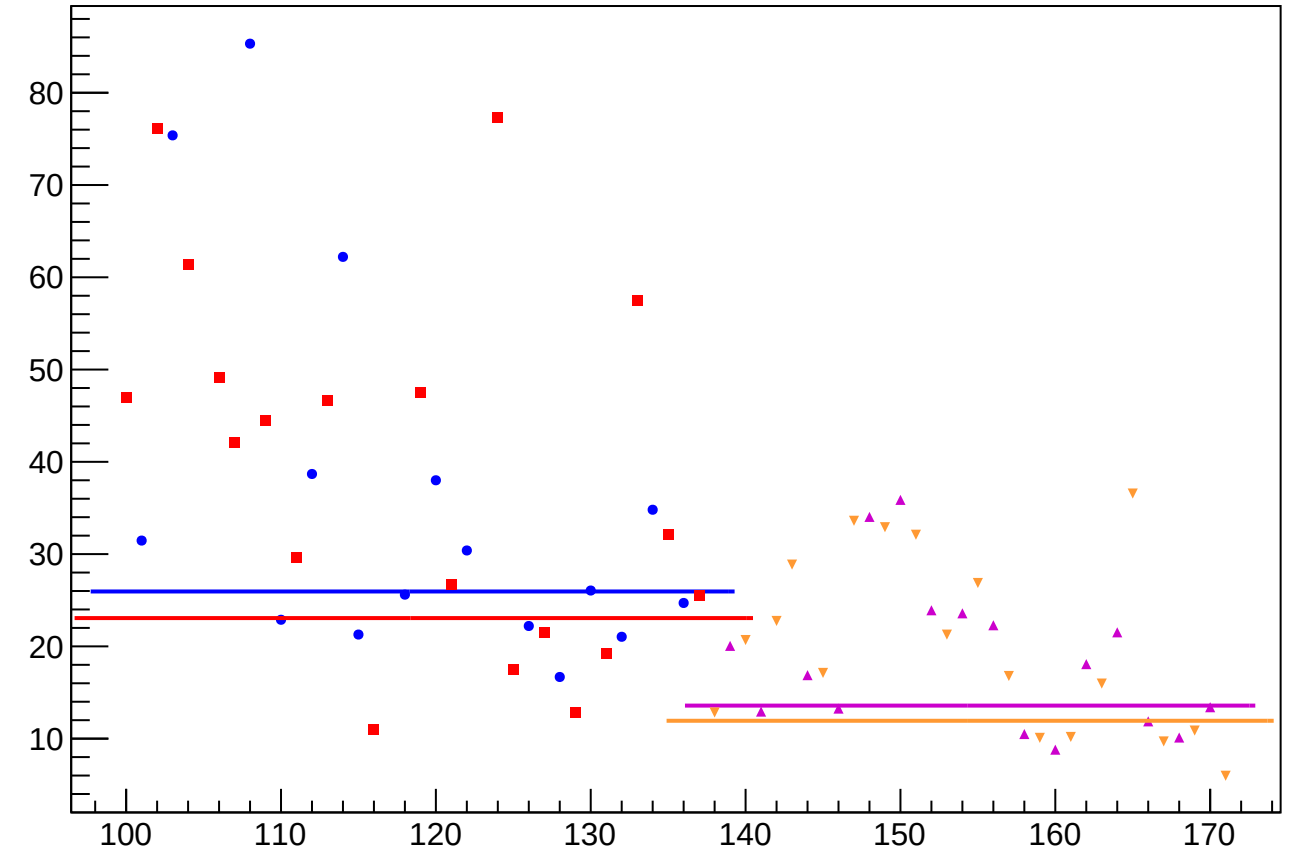
Right Out: 0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: 0.003+/-0.004 χ^2/NDF:9.4/15

+ sign 0.010+/-0.004 χ^2/NDF: 62.2/33

All: 0.008+/-0.003 χ^2/NDF: 82.6/68

- sign 0.006+/-0.004 χ^2/NDF: 20.1/34



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 11.937+/-0.003 χ^2/NDF:5677070.1/17

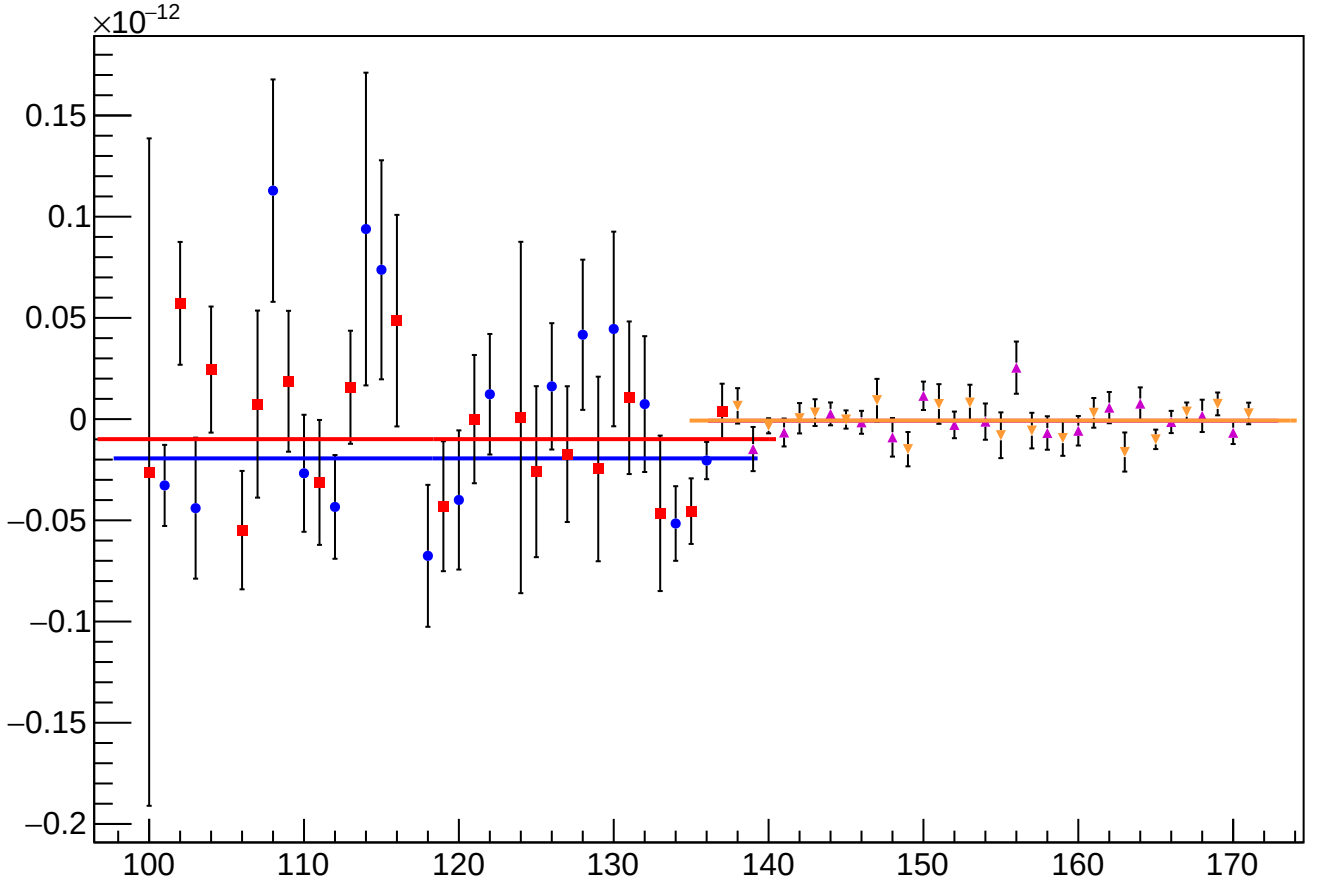
Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.581+/-0.003 χ^2/NDF:3171658.2/15

+ sign 13.491+/-0.003 χ^2/NDF: 9892640.8/33

All: 14.174+/-0.002 χ^2/NDF: 17963385.0/68

- sign 14.997+/-0.003 χ^2/NDF: 7920162.5/34



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/17

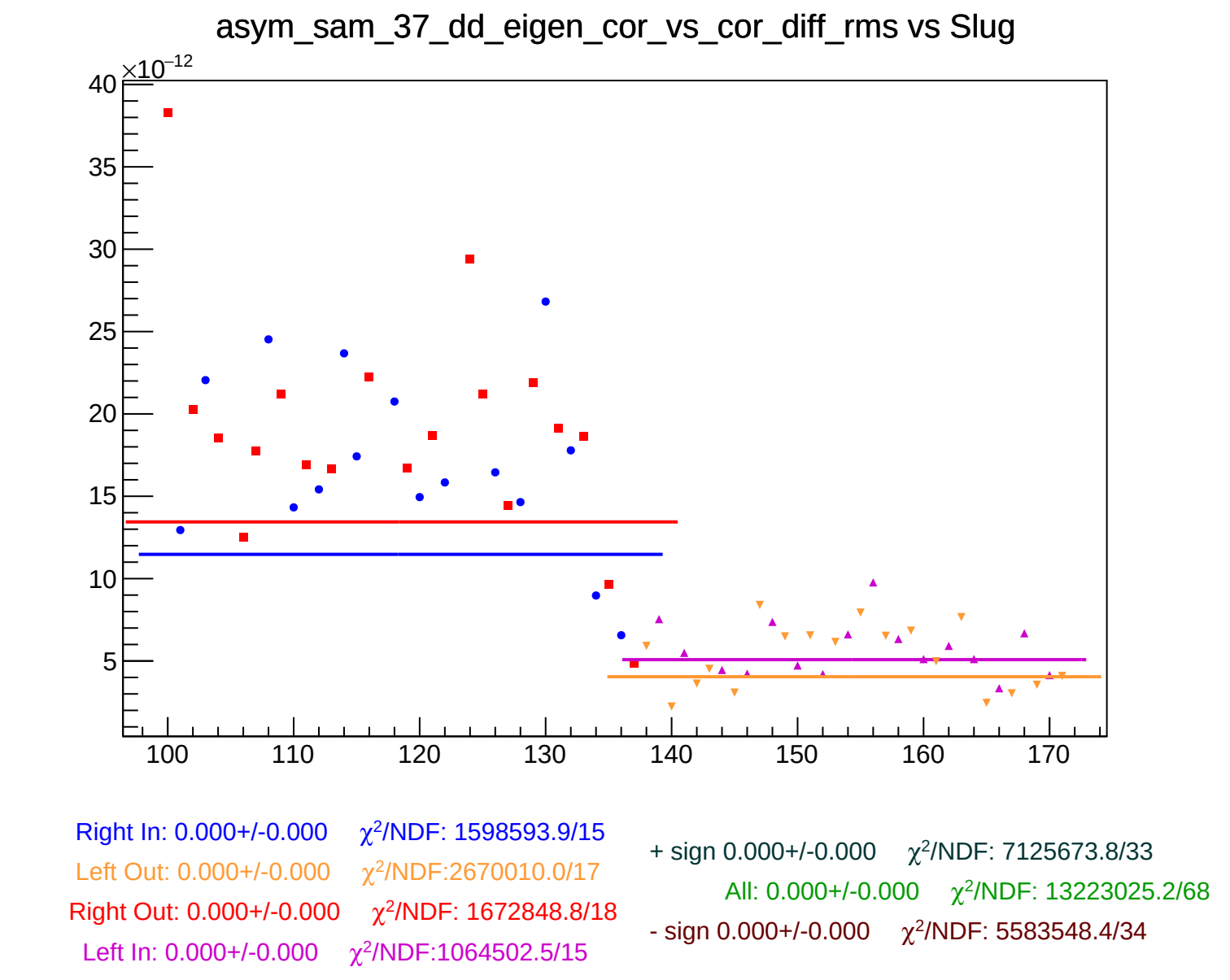
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/15

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/33

All: -0.000+/-0.000 χ^2/NDF: 90.3/68

- sign -0.000+/-0.000 χ^2/NDF: 36.8/34


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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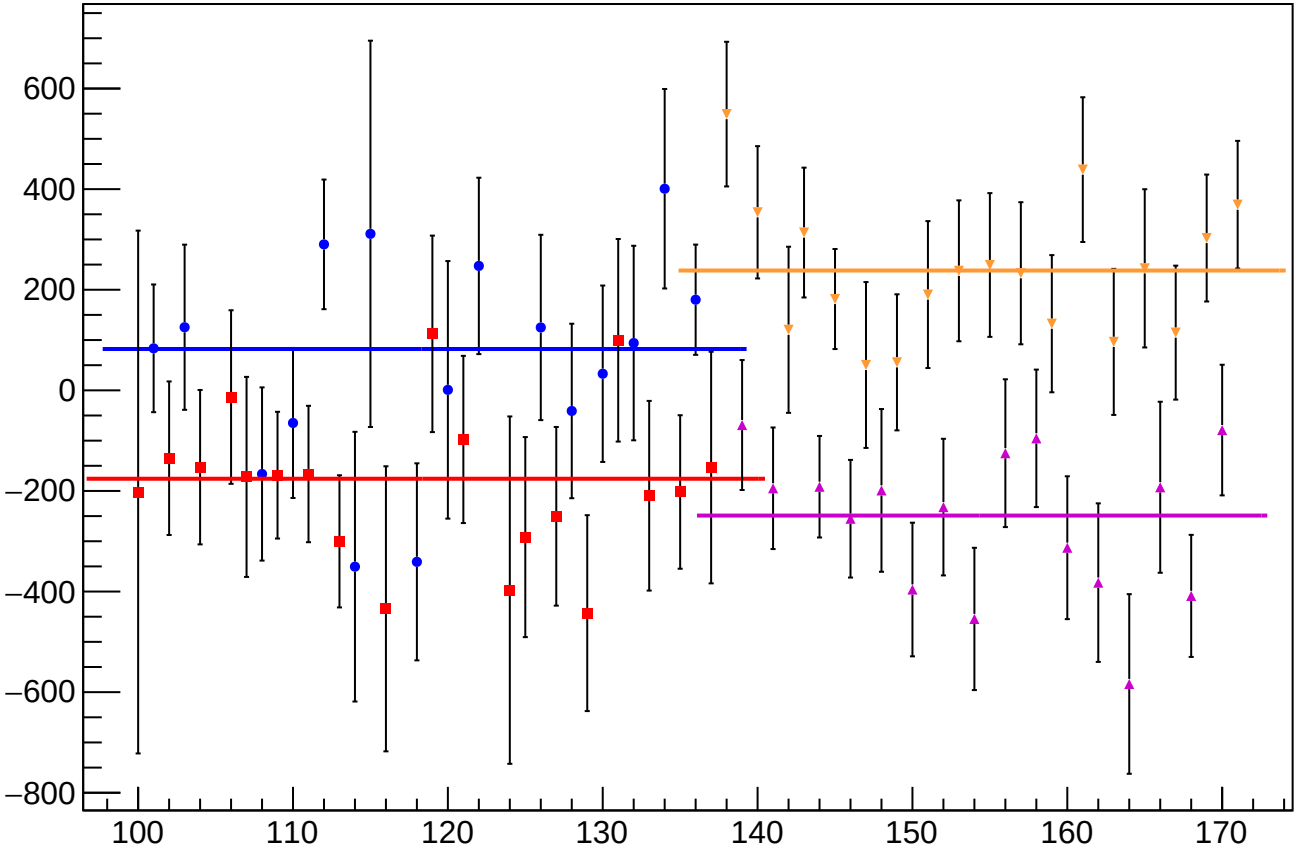
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2670010.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1064502.5/15
+ sign 0.000+/-0.000 χ²/NDF: 7125673.8/33
All: 0.000+/-0.000 χ²/NDF: 13223025.2/68
- sign 0.000+/-0.000 χ²/NDF: 5583548.4/34

reg_asym_sam_48_dd_mean vs Slug



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 238.223+/-32.213 χ^2/NDF:15.5/17

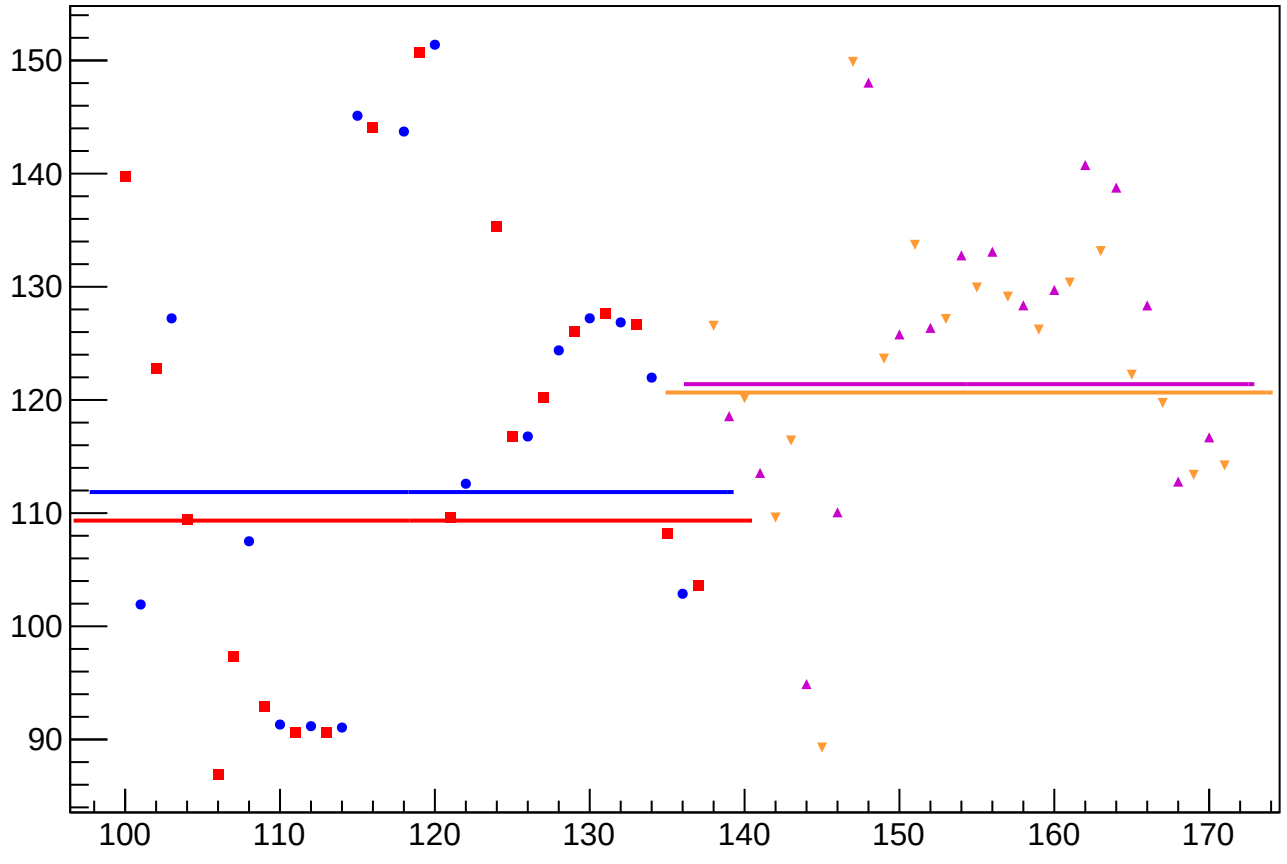
Right Out: -175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: -248.939+/-33.678 χ^2/NDF:15.9/15

+ sign 180.665+/-25.590 χ^2/NDF: 42.6/33

All: -16.541+/-18.217 χ^2/NDF: 190.6/68

- sign -219.163+/-25.940 χ^2/NDF: 27.7/34



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

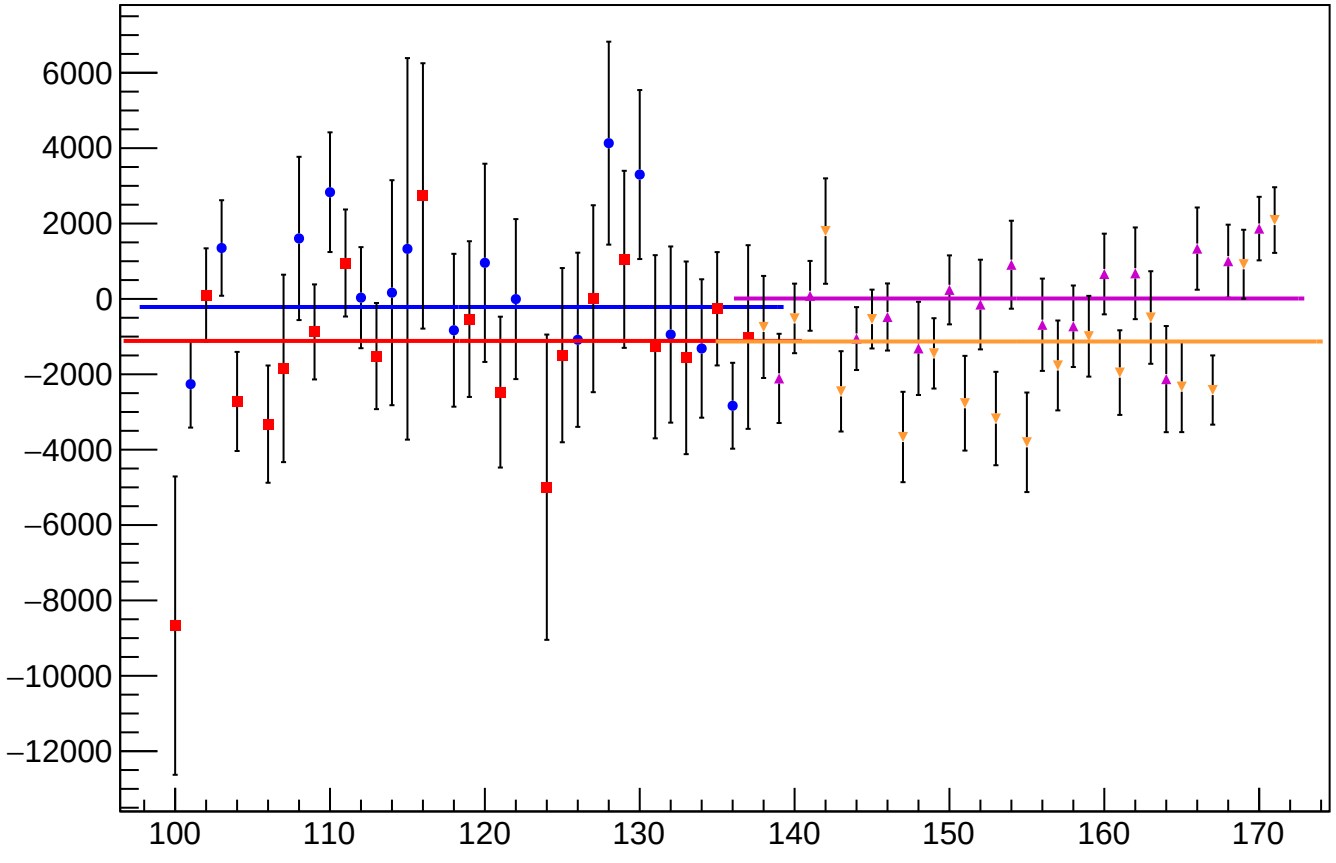
Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

+ sign 117.413+/-0.018 χ^2/NDF: 713547.5/33

All: 116.959+/-0.013 χ^2/NDF: 1514301.5/68

- sign 116.493+/-0.018 χ^2/NDF: 799478.9/34

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1129.548+/-251.011 χ^2/NDF:42.9/17

Right Out: -1114.700+/-423.039 χ^2/NDF: 14.5/18

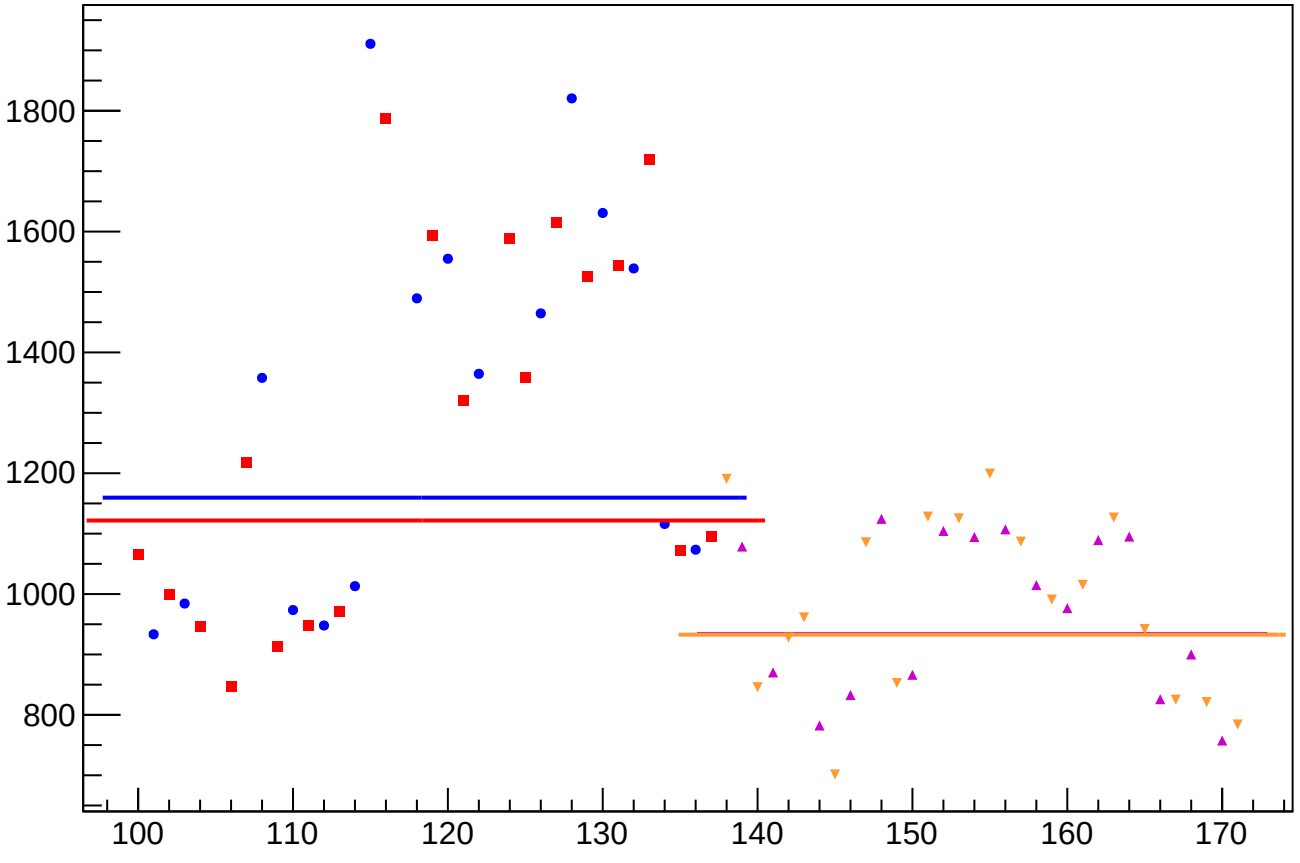
Left In: 11.035+/-260.351 χ^2/NDF:18.1/15

+ sign -907.818+/-218.505 χ^2/NDF: 66.6/33

All: -607.475+/-155.633 χ^2/NDF: 108.1/68

- sign -298.213+/-221.725 χ^2/NDF: 37.7/34

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 932.761+/-0.177 χ^2/NDF:708566.9/17

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

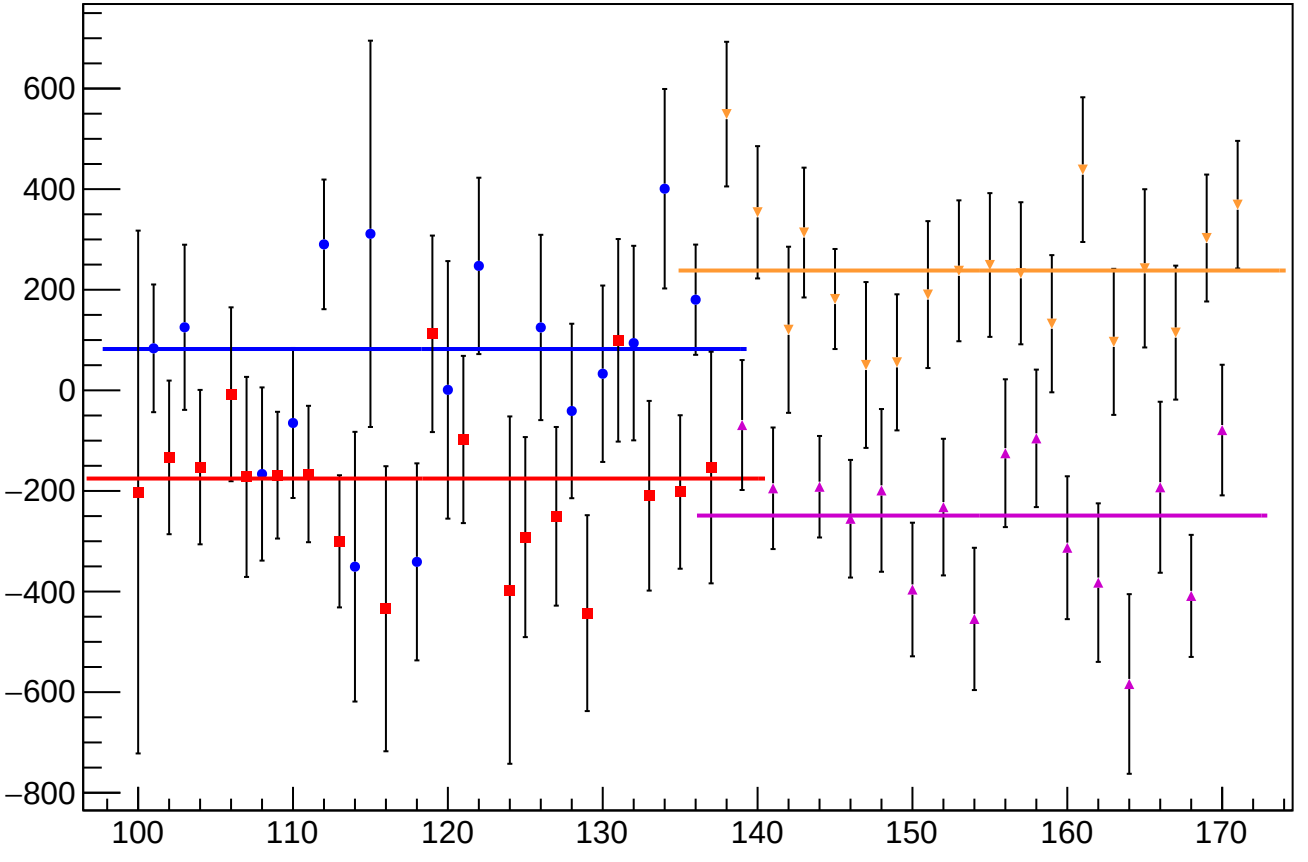
Left In: 933.942+/-0.184 χ^2/NDF:491201.9/15

+ sign 987.701+/-0.155 χ^2/NDF: 1787792.0/33

All: 986.634+/-0.110 χ^2/NDF: 3347267.2/68

- sign 985.535+/-0.157 χ^2/NDF: 1559378.3/34

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 238.225+/-32.213 χ^2/NDF:15.5/17

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

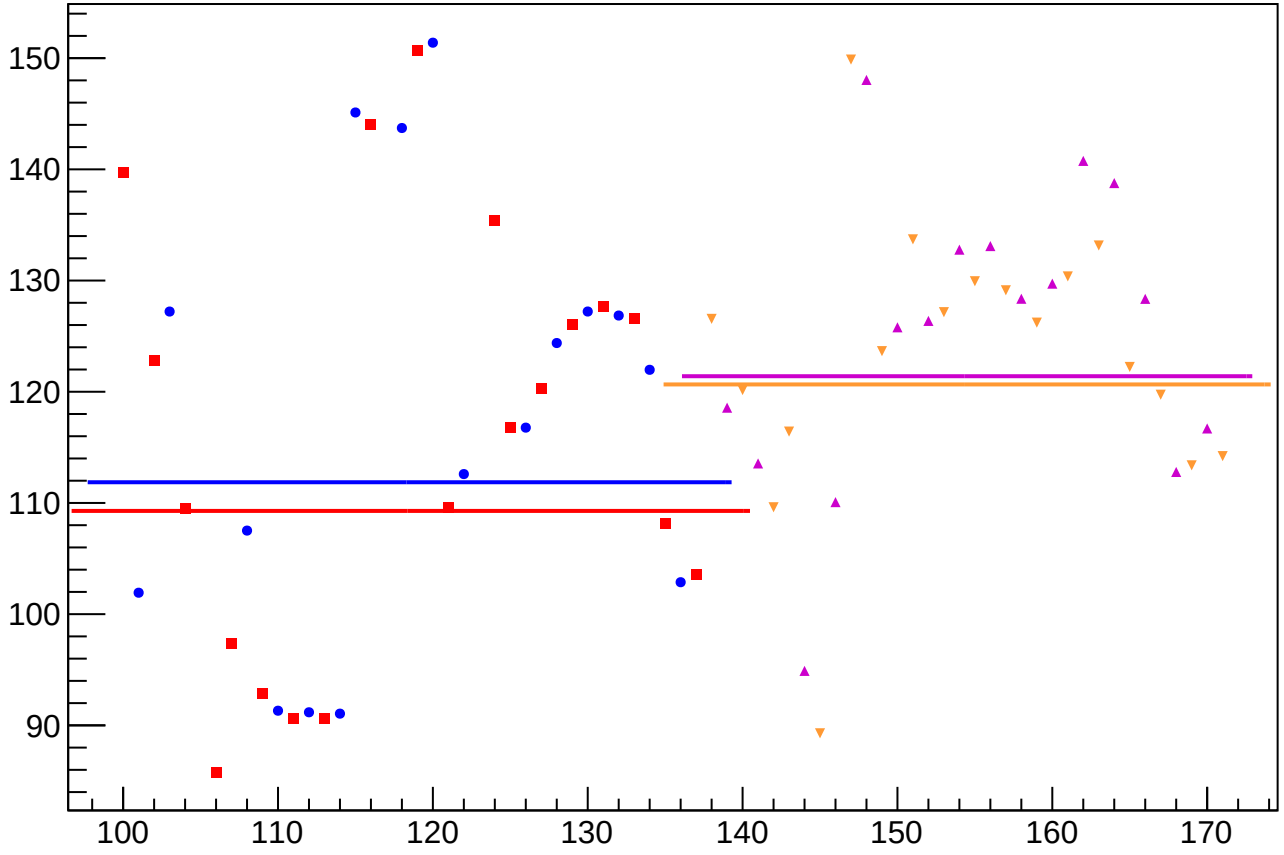
Left In: -248.940+/-33.678 χ^2/NDF:15.9/15

+ sign 180.662+/-25.590 χ^2/NDF: 42.6/33

All: -16.455+/-18.218 χ^2/NDF: 190.6/68

- sign -219.008+/-25.941 χ^2/NDF: 27.8/34

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

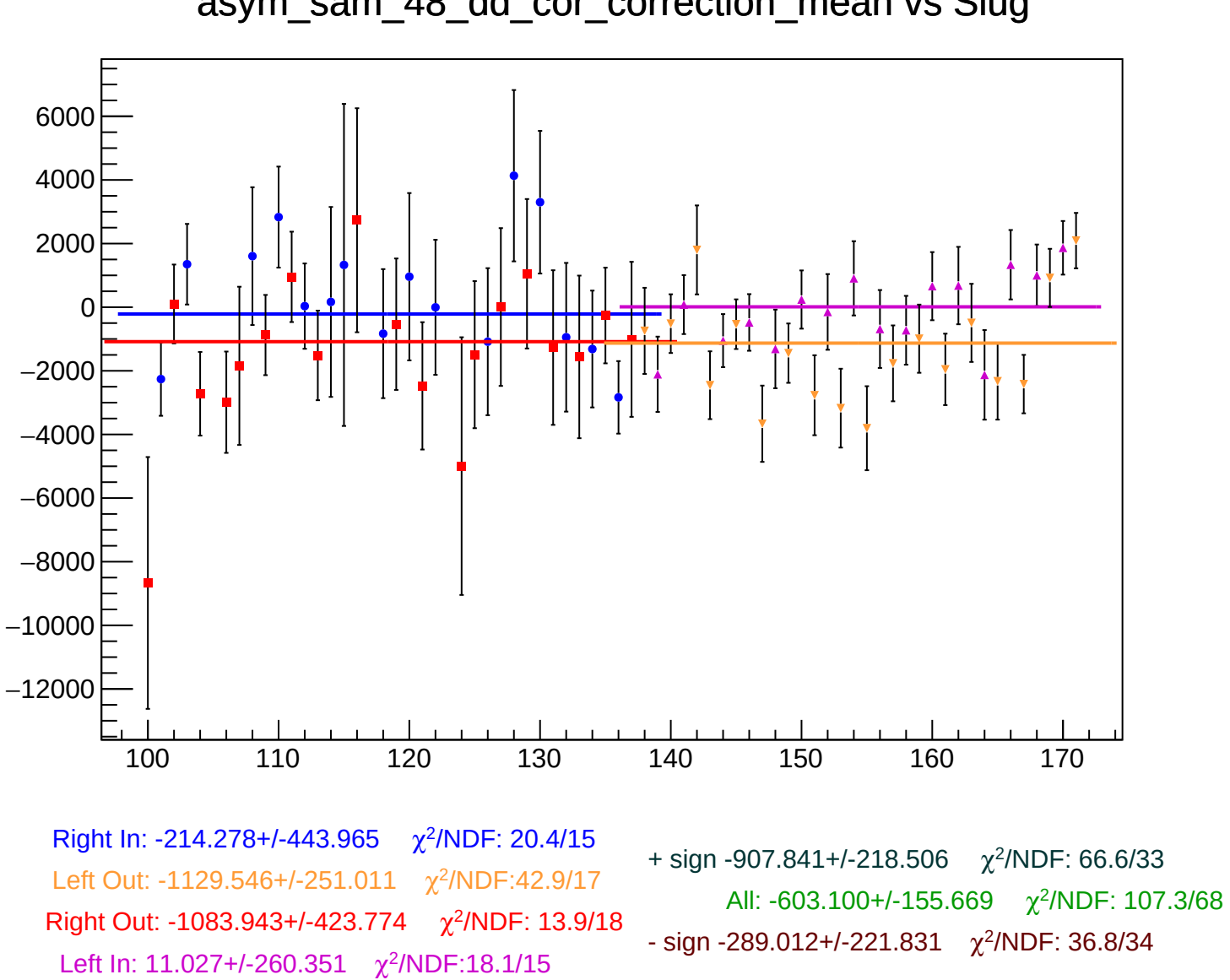
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

+ sign 117.413+/-0.018 χ^2/NDF: 713548.2/33

All: 116.949+/-0.013 χ^2/NDF: 1518811.8/68

- sign 116.471+/-0.018 χ^2/NDF: 803926.6/34


asym_sam_48_dd_cor_correction_mean vs Slug
6000
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−4000
−6000
−8000
−10000
−12000
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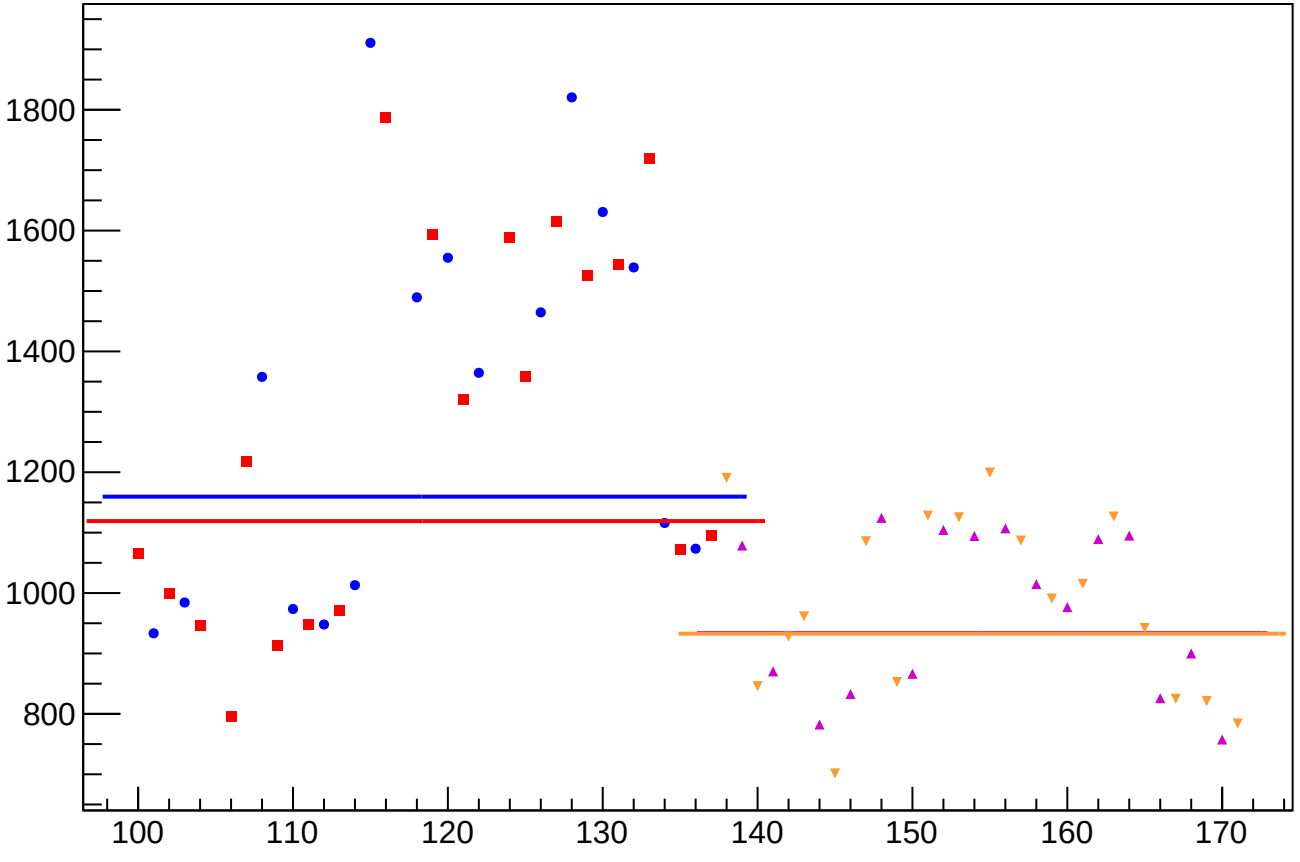
140
150
160
170
Right In: -214.278+/-443.965 χ²/NDF: 20.4/15
Left Out: -1129.546+/-251.011 χ²/NDF:42.9/17
Right Out: -1083.943+/-423.774 χ²/NDF: 13.9/18
Left In: 11.027+/-260.351 χ²/NDF:18.1/15
+ sign -907.841+/-218.506 χ²/NDF: 66.6/33
All: -603.100+/-155.669 χ²/NDF: 107.3/68
- sign -289.012+/-221.831 χ²/NDF: 36.8/34

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 932.761+/-0.177 χ^2/NDF:708568.1/17

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

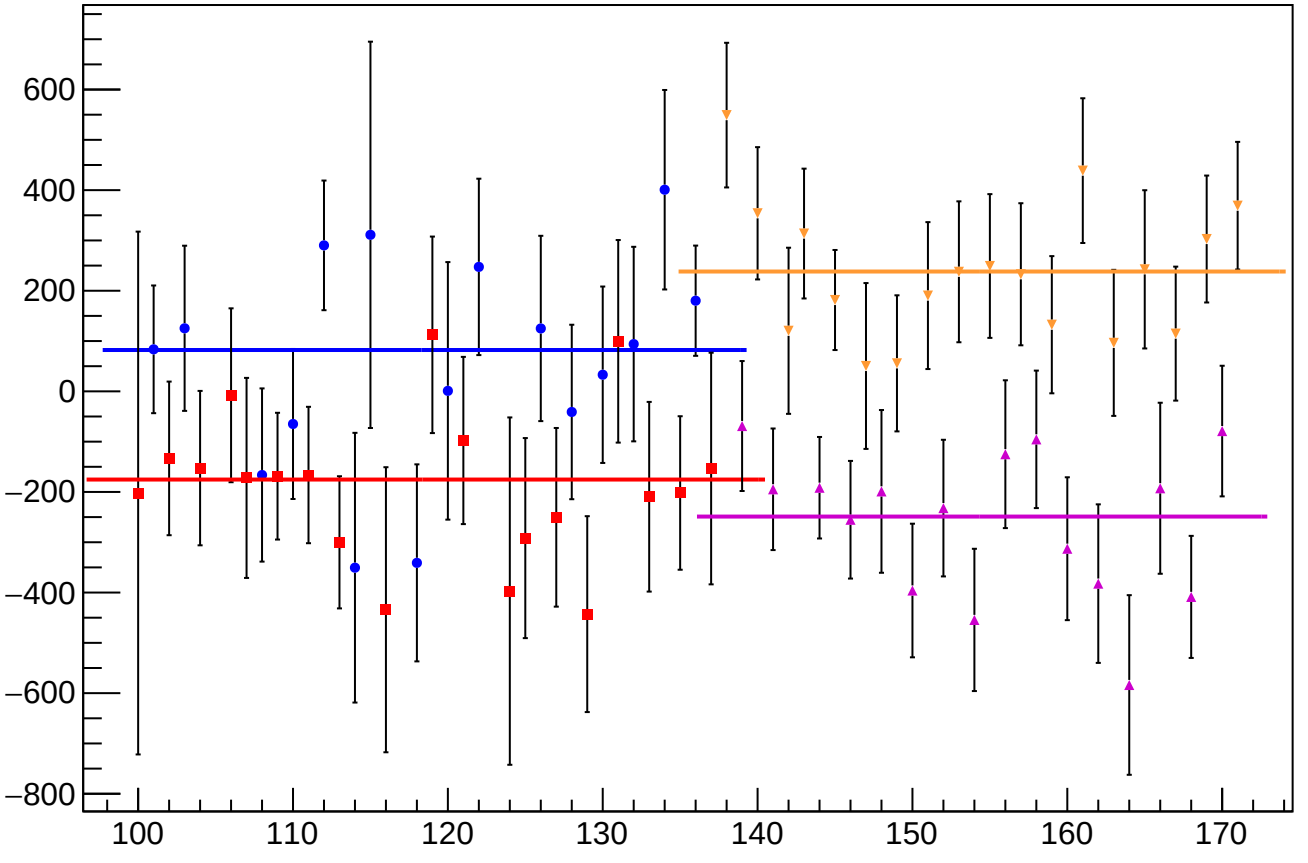
Left In: 933.942+/-0.184 χ^2/NDF:491201.0/15

+ sign 987.703+/-0.155 χ^2/NDF: 1787791.8/33

All: 986.221+/-0.110 χ^2/NDF: 3359686.9/68

- sign 984.694+/-0.157 χ^2/NDF: 1571708.3/34

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 238.225+/-32.213 χ^2/NDF:15.5/17

Right Out: -175.338+/-40.678 χ^2/NDF: 9.9/18

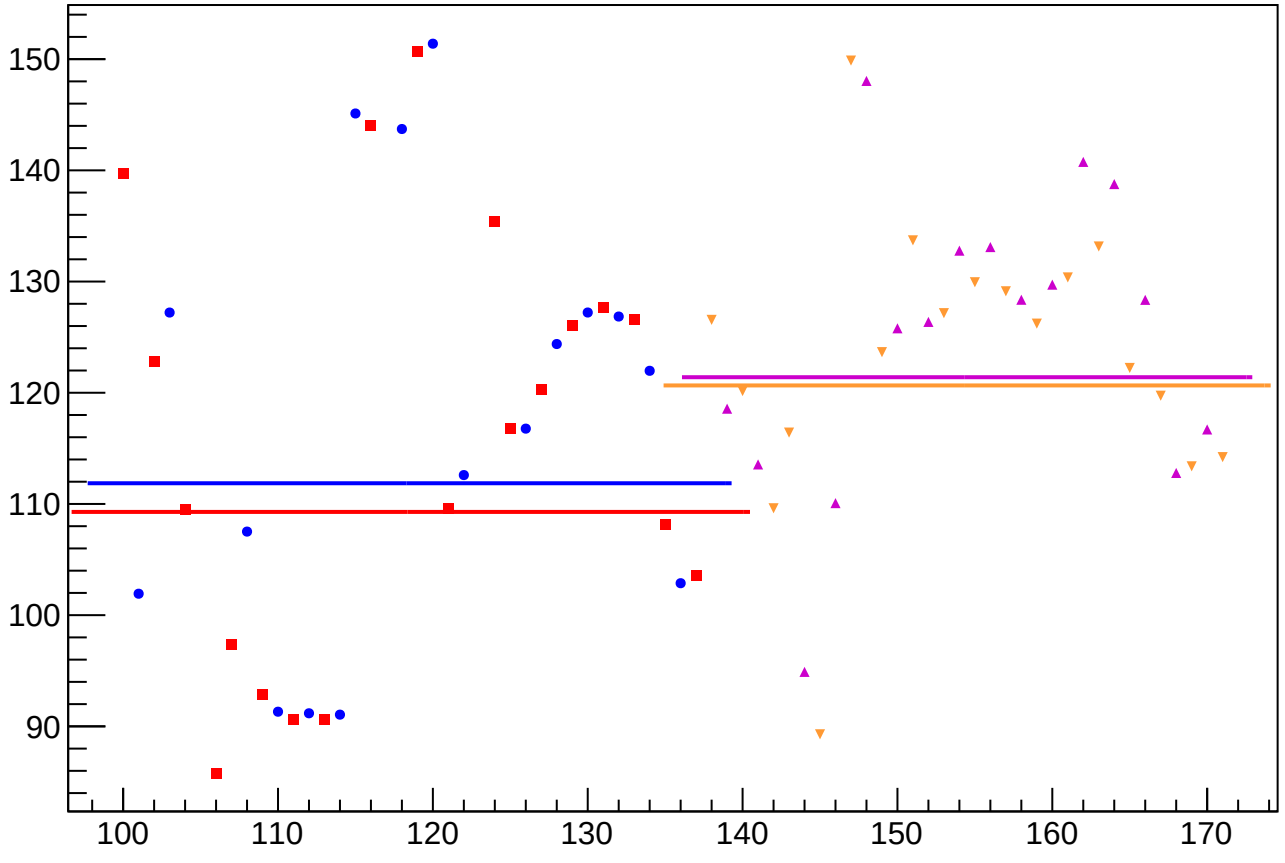
Left In: -248.940+/-33.678 χ^2/NDF:15.9/15

+ sign 180.662+/-25.590 χ^2/NDF: 42.6/33

All: -16.455+/-18.218 χ^2/NDF: 190.6/68

- sign -219.008+/-25.941 χ^2/NDF: 27.8/34

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

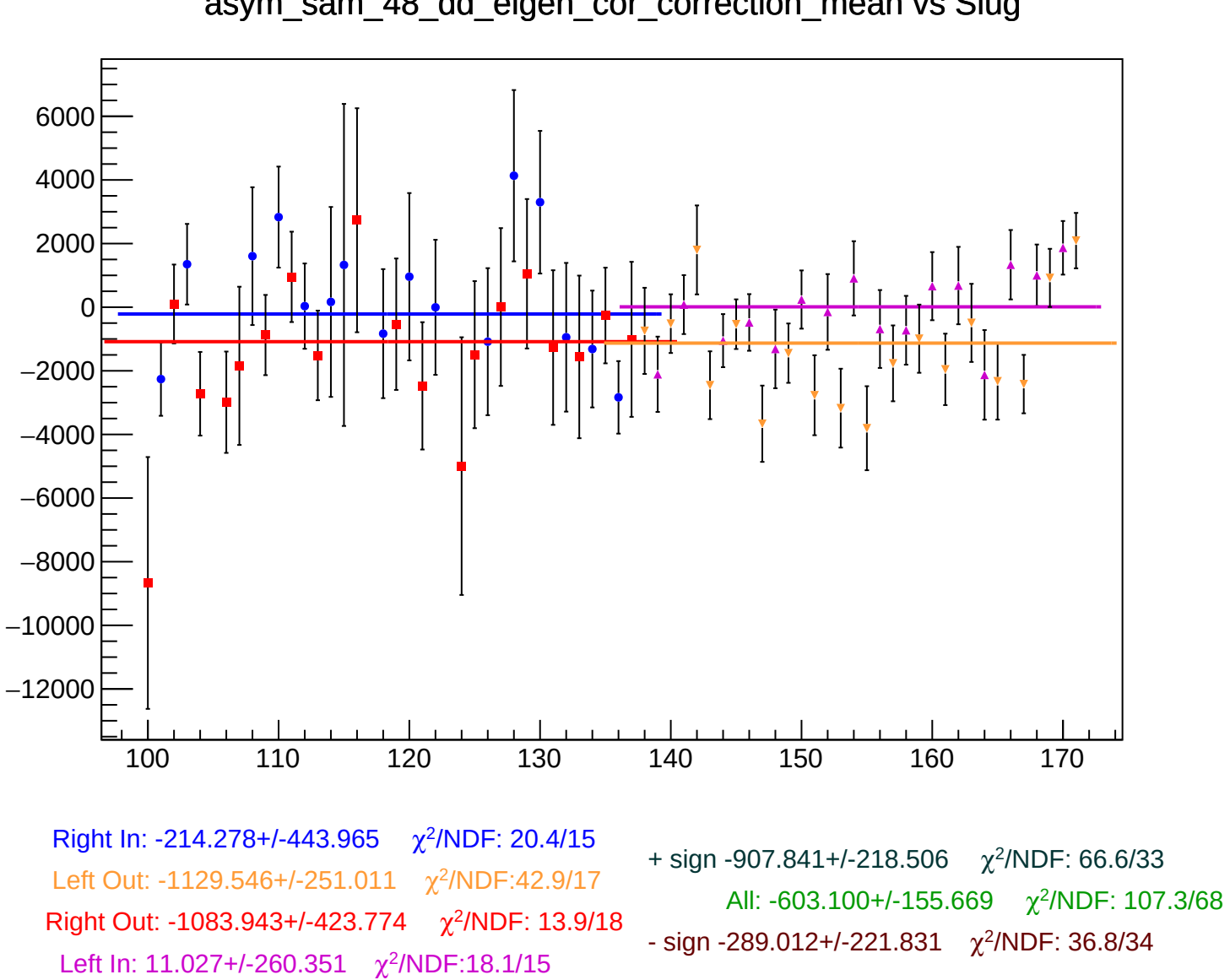
Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

\+ sign 117.413+/-0.018 χ^2/NDF: 713548.2/33

All: 116.949+/-0.013 χ^2/NDF: 1518811.8/68

\- sign 116.471+/-0.018 χ^2/NDF: 803926.6/34


asym_sam_48_dd_eigen_cor_correction_mean vs Slug
6000
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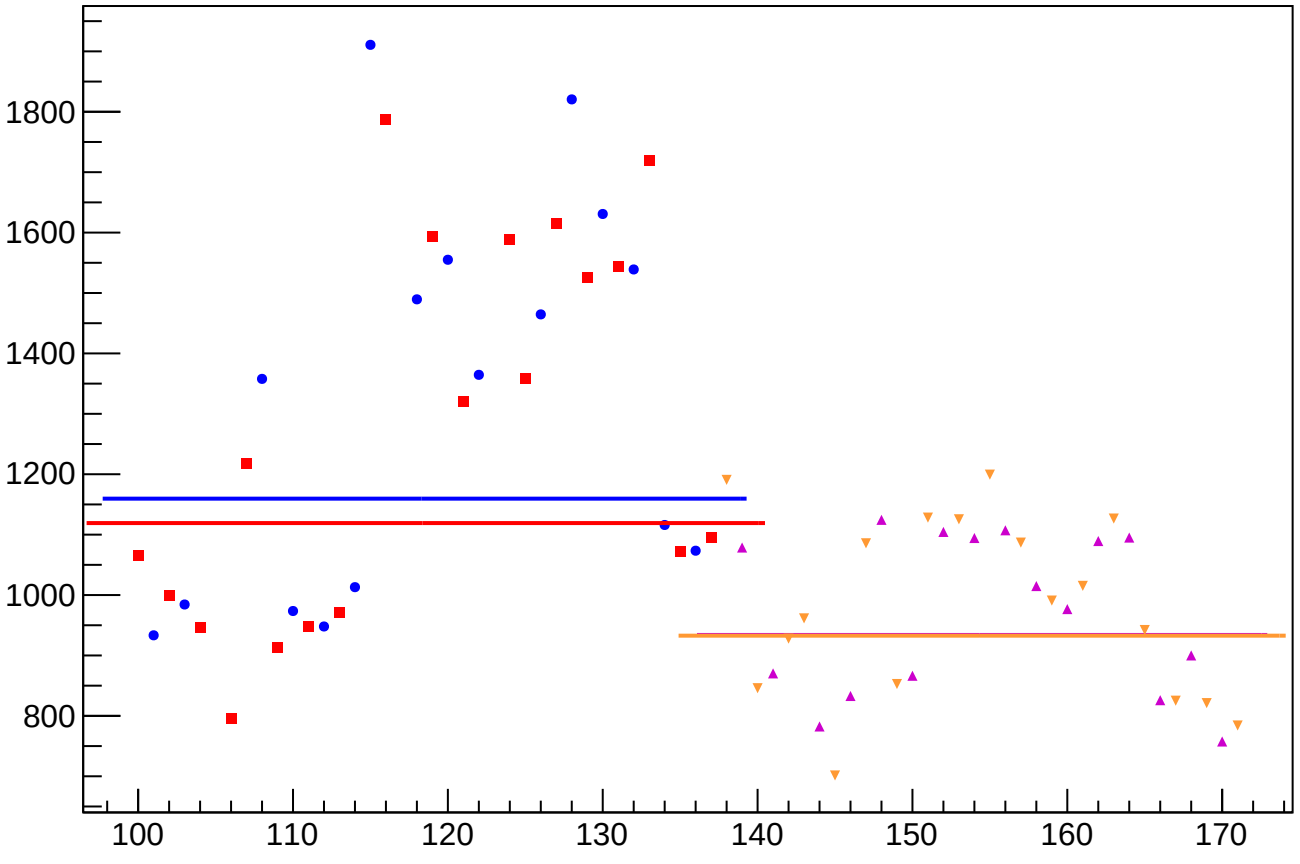
170
Right In: -214.278+/-443.965 χ²/NDF: 20.4/15
Left Out: -1129.546+/-251.011 χ²/NDF:42.9/17
Right Out: -1083.943+/-423.774 χ²/NDF: 13.9/18
Left In: 11.027+/-260.351 χ²/NDF:18.1/15
+ sign -907.841+/-218.506 χ²/NDF: 66.6/33
All: -603.100+/-155.669 χ²/NDF: 107.3/68
- sign -289.012+/-221.831 χ²/NDF: 36.8/34



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 932.761+/-0.177 χ^2/NDF:708568.1/17

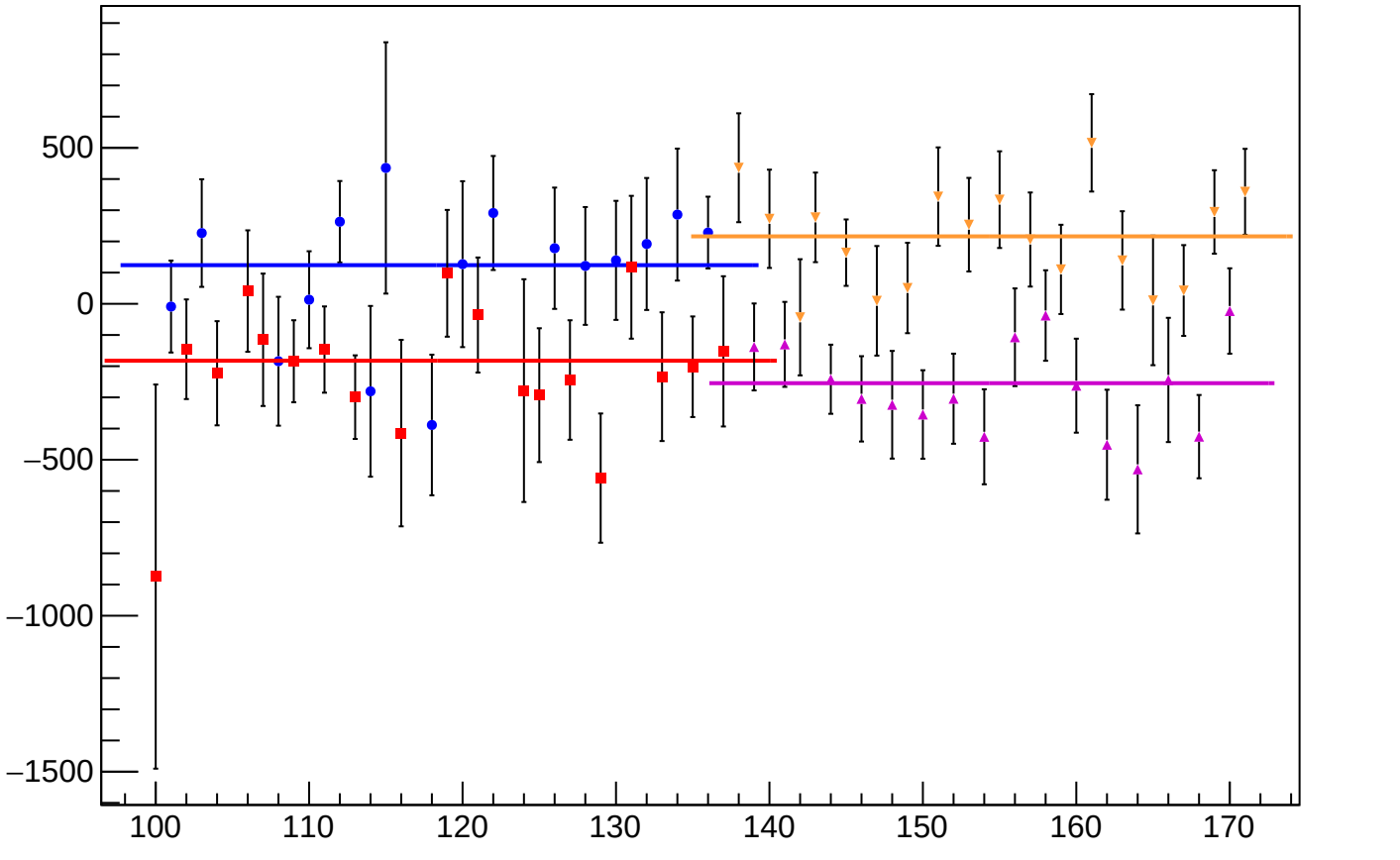
Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 933.942+/-0.184 χ^2/NDF:491201.0/15

+ sign 987.703+/-0.155 χ^2/NDF: 1787791.8/33

All: 986.221+/-0.110 χ^2/NDF: 3359686.9/68

- sign 984.694+/-0.157 χ^2/NDF: 1571708.3/34



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 216.191+/-35.401 χ^2/NDF:16.4/17

Right Out: -182.467+/-43.224 χ^2/NDF: 12.3/18

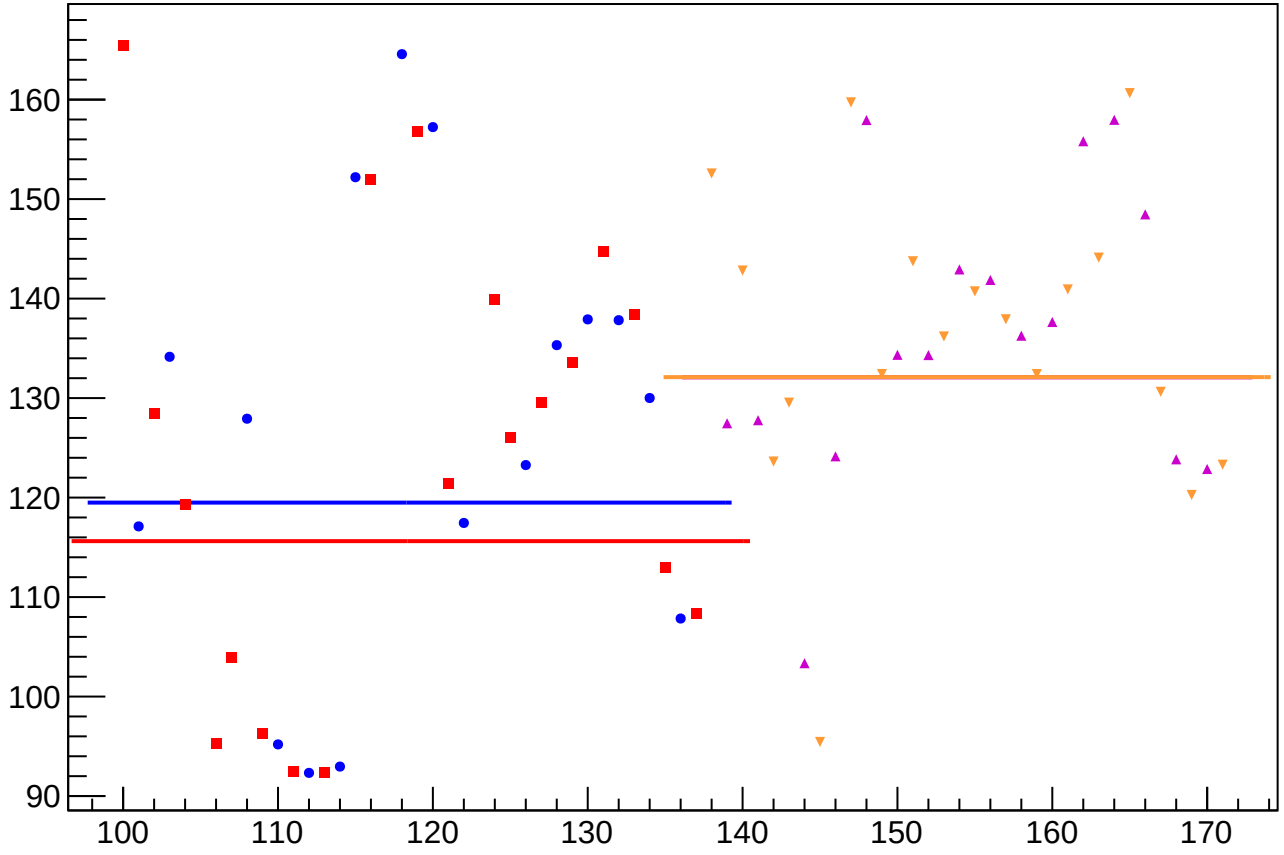
Left In: -254.498+/-36.826 χ^2/NDF:14.4/15

+ sign 181.136+/-27.879 χ^2/NDF: 34.4/33

All: -20.429+/-19.767 χ^2/NDF: 167.8/68

- sign -224.204+/-28.032 χ^2/NDF: 28.3/34

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.106+/-0.025 χ^2/NDF:429503.7/17

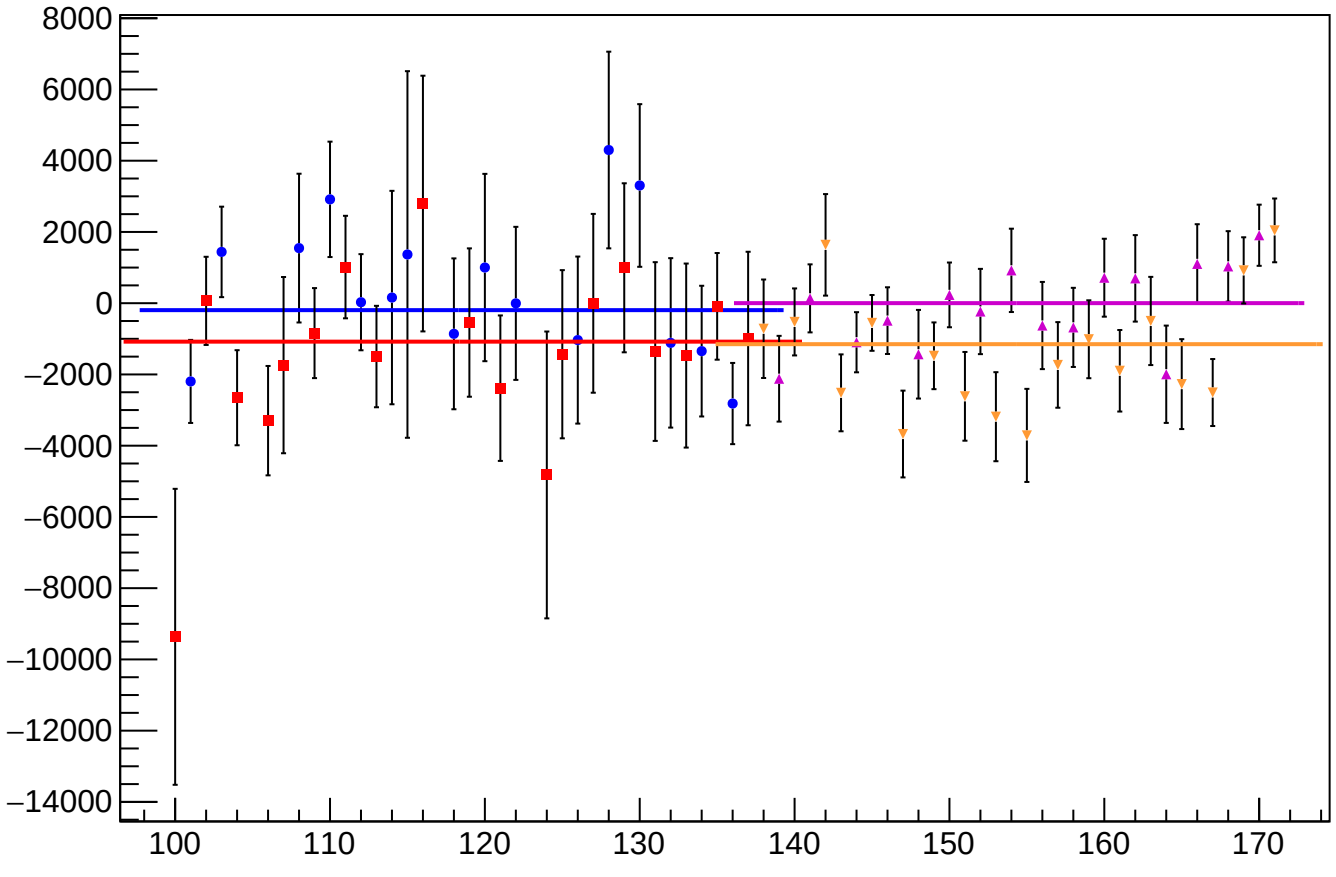
Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.084+/-0.026 χ^2/NDF:311791.1/15

+ sign 127.316+/-0.020 χ^2/NDF: 906160.5/33

All: 126.244+/-0.014 χ^2/NDF: 1818954.8/68

- sign 125.160+/-0.020 χ^2/NDF: 906846.6/34



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1150.275+/-254.588 χ^2/NDF:40.4/17

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

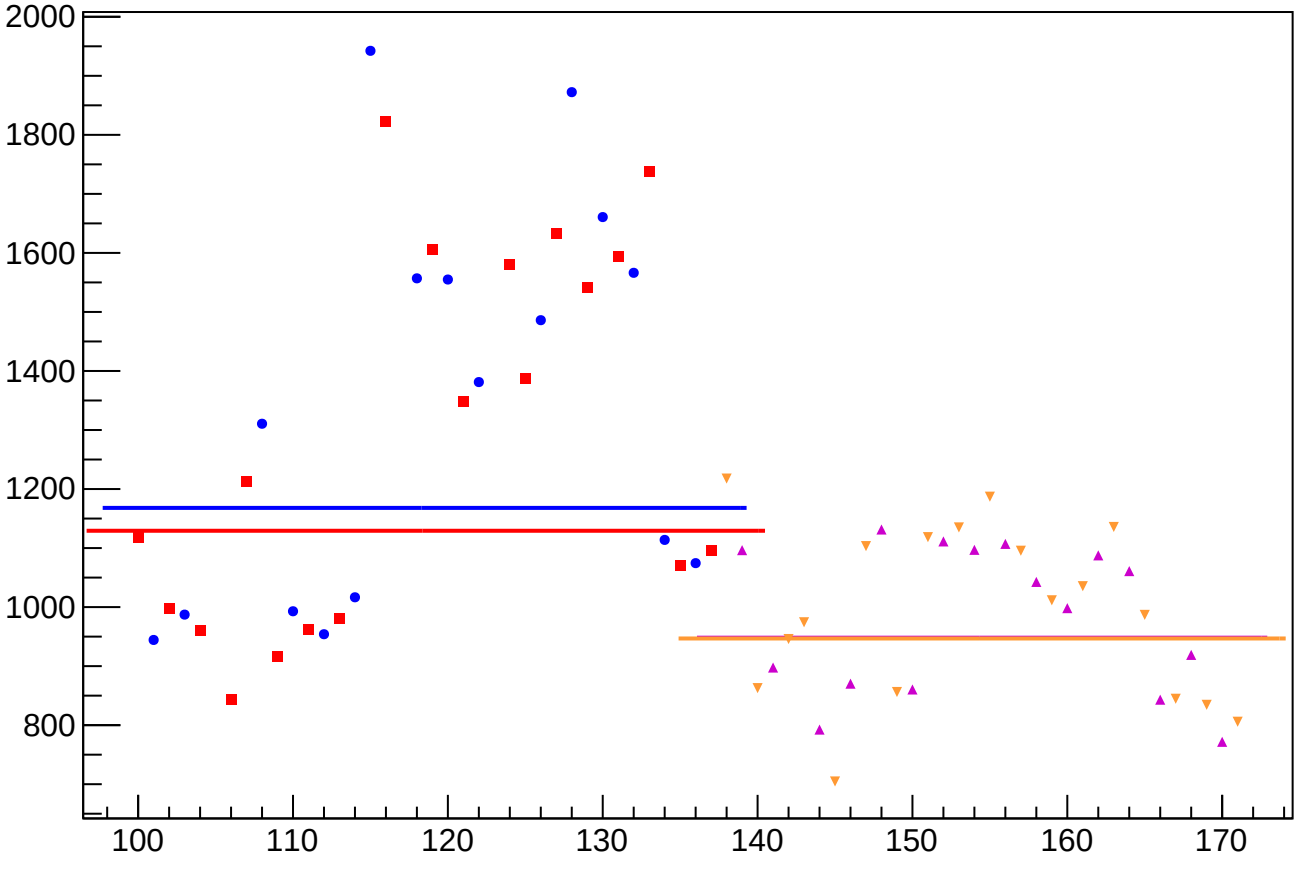
Left In: 1.621+/-264.161 χ^2/NDF:17.7/15

+ sign -916.582+/-221.264 χ^2/NDF: 64.2/33

All: -612.097+/-157.587 χ^2/NDF: 104.9/68

- sign -298.657+/-224.494 χ^2/NDF: 36.9/34

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 946.840+/-0.180 χ^2/NDF:688697.5/17

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

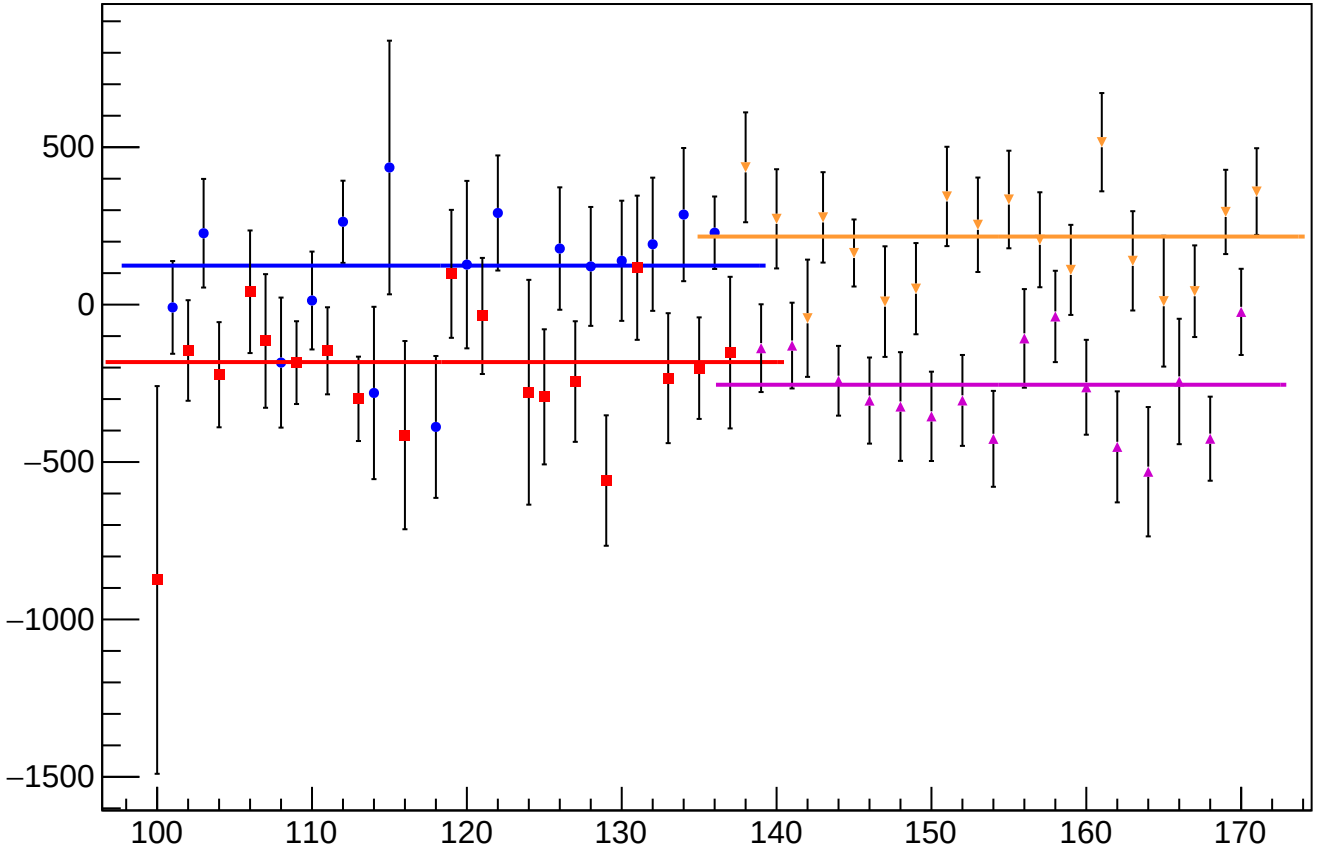
Left In: 948.201+/-0.187 χ^2/NDF:445702.9/15

+ sign 1000.963+/-0.156 χ^2/NDF: 1767525.0/33

All: 999.755+/-0.111 χ^2/NDF: 3281724.5/68

- sign 998.511+/-0.159 χ^2/NDF: 1514078.5/34

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 216.193+/-35.401 χ^2/NDF:16.4/17

Right Out: -182.468+/-43.224 χ^2/NDF: 12.3/18

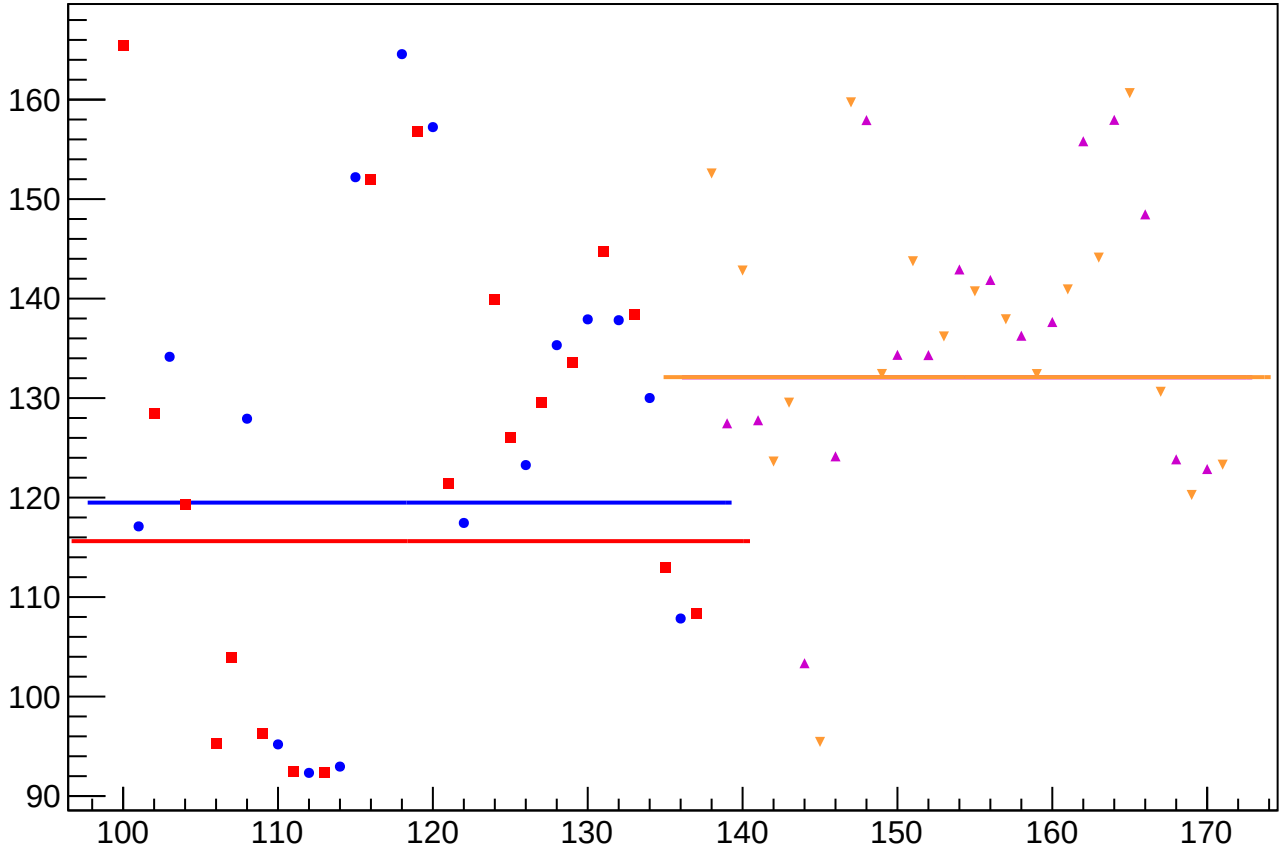
Left In: -254.500+/-36.826 χ^2/NDF:14.4/15

+ sign 181.138+/-27.879 χ^2/NDF: 34.4/33

All: -20.429+/-19.767 χ^2/NDF: 167.8/68

- sign -224.205+/-28.032 χ^2/NDF: 28.3/34

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.106+/-0.025 χ^2/NDF:429504.8/17

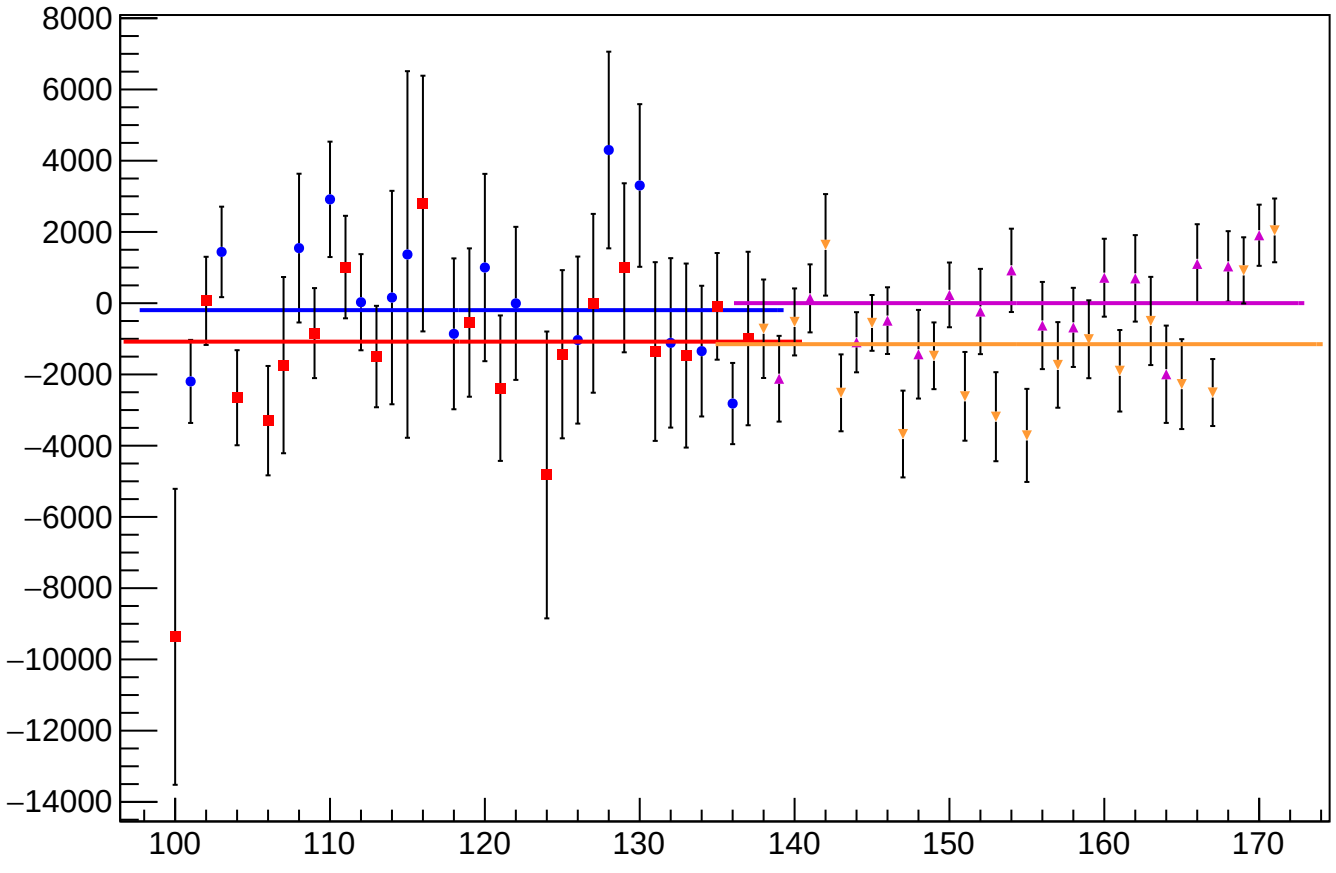
Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.084+/-0.026 χ^2/NDF:311791.6/15

+ sign 127.316+/-0.020 χ^2/NDF: 906165.5/33

All: 126.244+/-0.014 χ^2/NDF: 1818966.6/68

- sign 125.160+/-0.020 χ^2/NDF: 906853.1/34



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1150.273+/-254.588 χ^2/NDF:40.4/17

Right Out: -1079.393+/-425.950 χ^2/NDF: 14.6/18

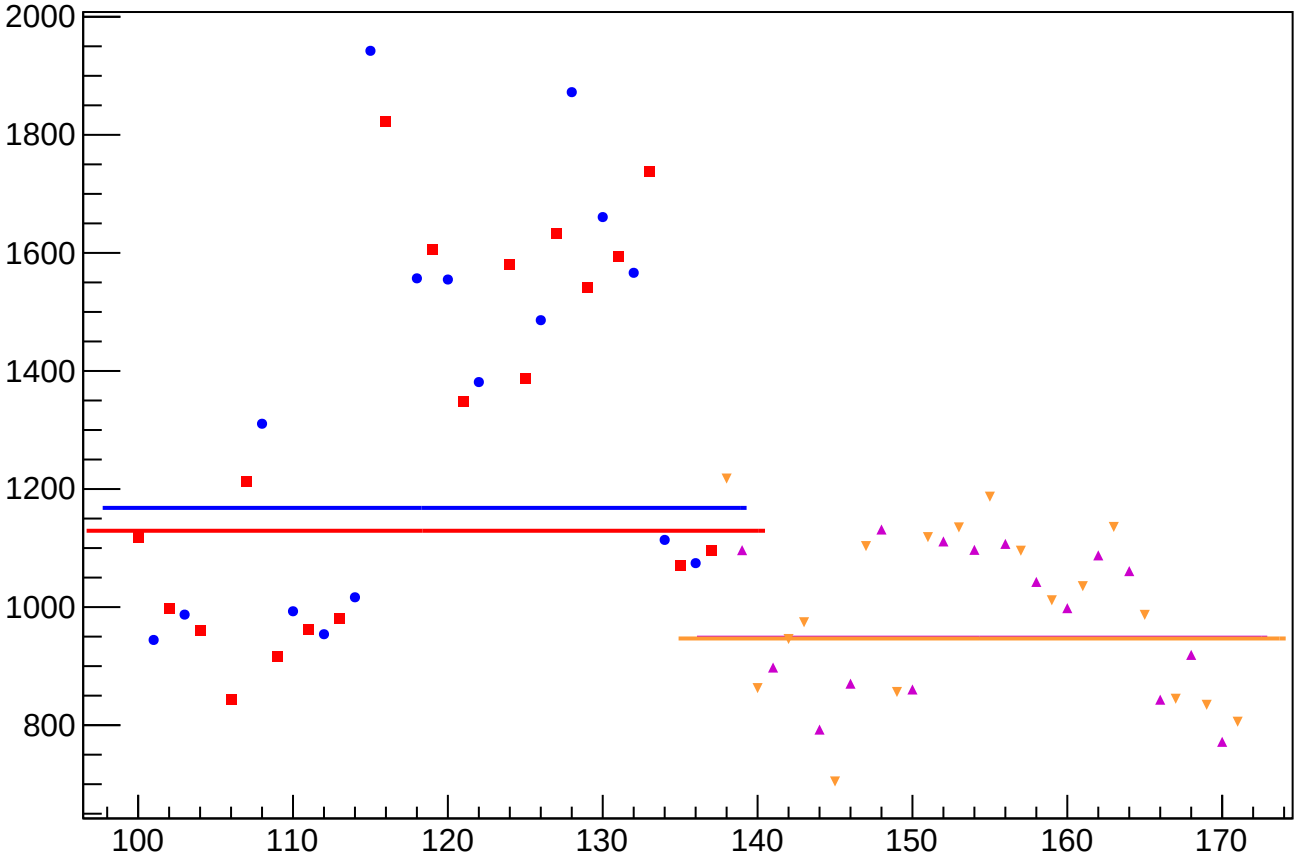
Left In: 1.622+/-264.160 χ^2/NDF:17.7/15

+ sign -916.580+/-221.263 χ^2/NDF: 64.2/33

All: -612.096+/-157.587 χ^2/NDF: 104.9/68

- sign -298.656+/-224.494 χ^2/NDF: 36.9/34

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 946.839+/-0.180 χ^2/NDF:688702.1/17

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

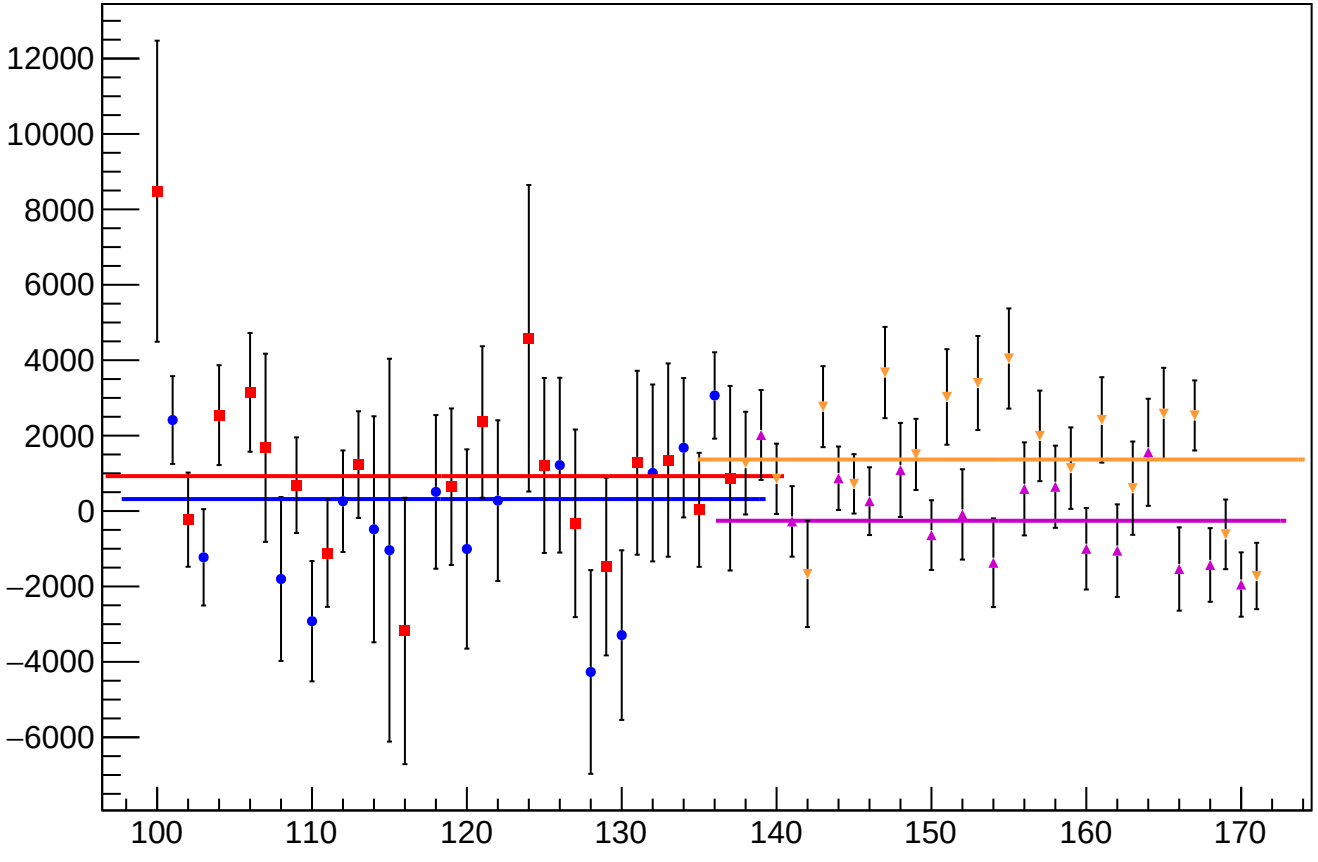
Left In: 948.201+/-0.187 χ^2/NDF:445704.6/15

+ sign 1000.963+/-0.156 χ^2/NDF: 1767534.1/33

All: 999.754+/-0.111 χ^2/NDF: 3281738.6/68

- sign 998.510+/-0.159 χ^2/NDF: 1514083.3/34

asym_sam_48_dd_mean vs Slug



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1366.984+/-253.189 χ^2/NDF:40.5/17

Right Out: 926.036+/-425.405 χ^2/NDF: 14.5/18

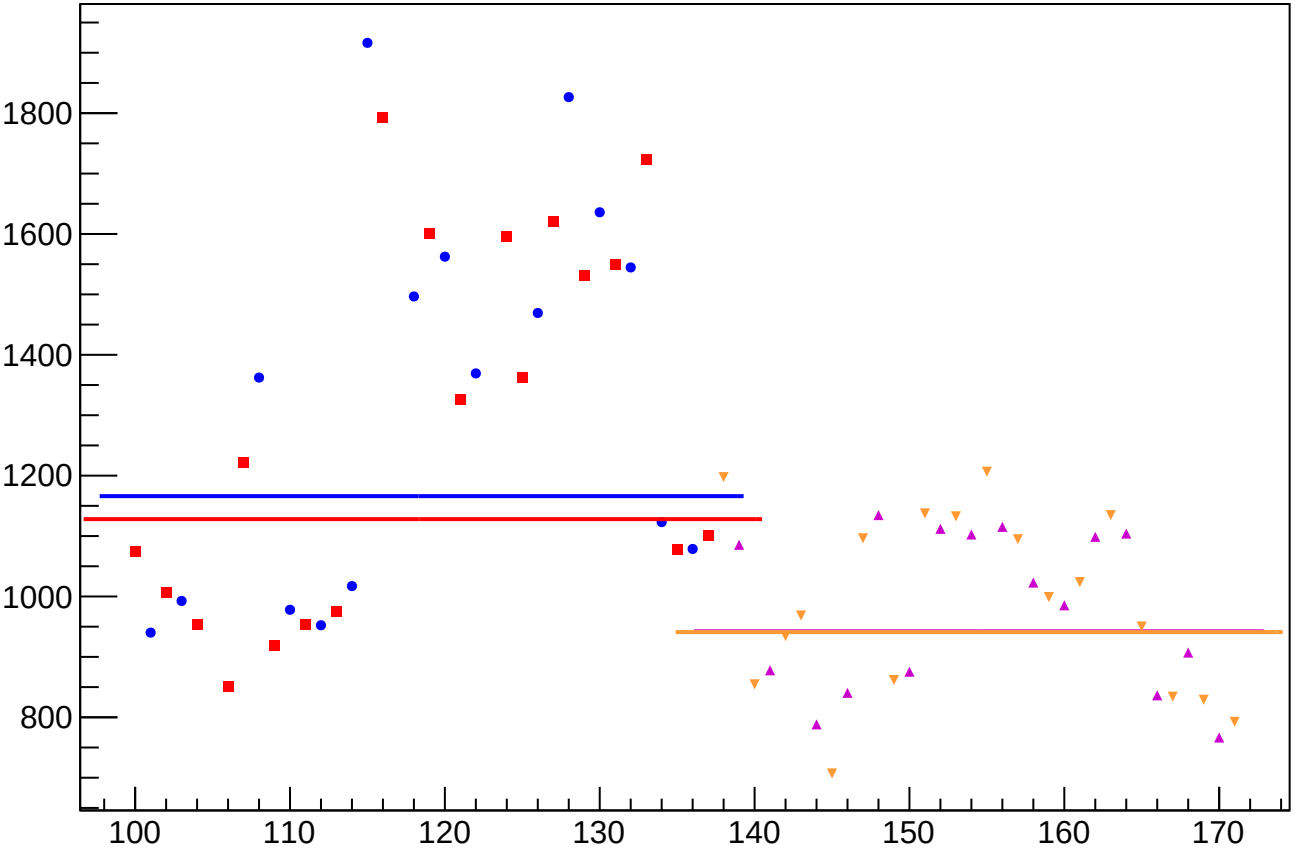
Left In: -257.279+/-262.643 χ^2/NDF:18.4/15

+ sign 1111.461+/-220.224 χ^2/NDF: 66.8/33

All: 598.026+/-156.861 χ^2/NDF: 116.4/68

- sign 69.292+/-223.481 χ^2/NDF: 38.6/34

asym_sam_48_dd_rms vs Slug



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 941.066+/-0.179 χ^2/NDF:699743.8/17

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

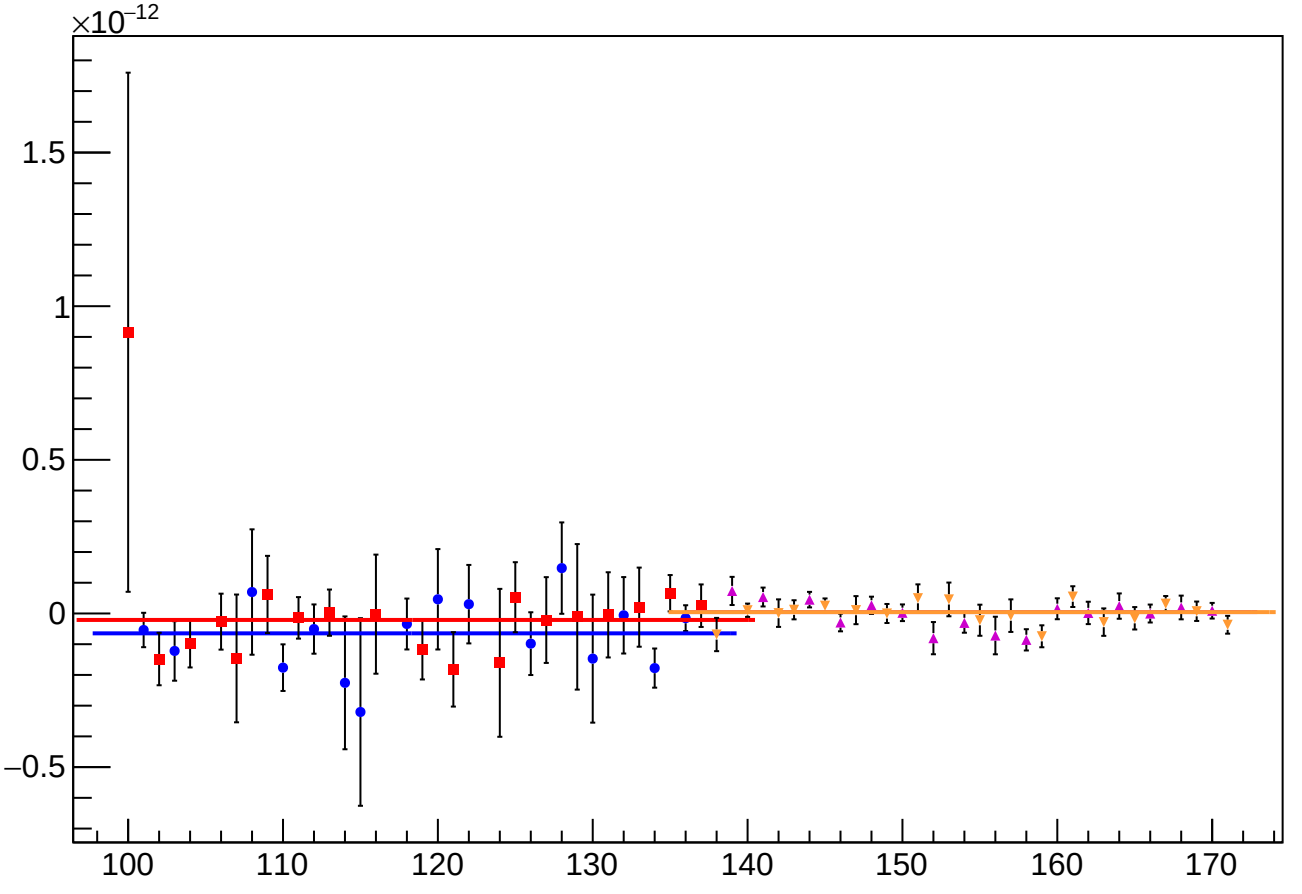
Left In: 942.345+/-0.186 χ^2/NDF:484422.7/15

+ sign 995.839+/-0.156 χ^2/NDF: 1761279.9/33

All: 994.728+/-0.111 χ^2/NDF: 3297387.1/68

- sign 993.584+/-0.158 χ^2/NDF: 1536004.0/34

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

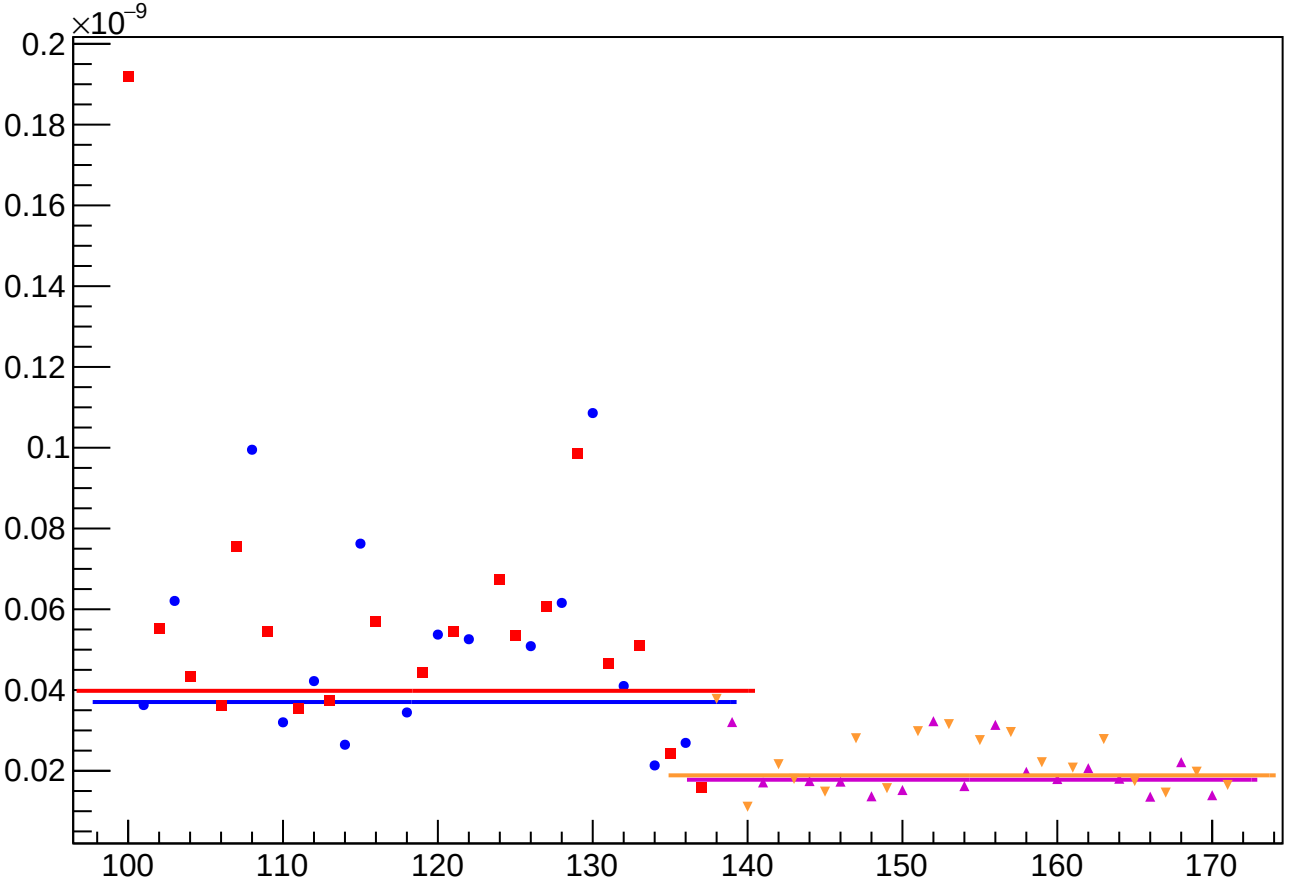
Left In: 0.000+/-0.000 χ^2/NDF:22.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 37.1/33

All: -0.000+/-0.000 χ^2/NDF: 72.1/68

- sign 0.000+/-0.000 χ^2/NDF: 34.7/34

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:1215821.6/17

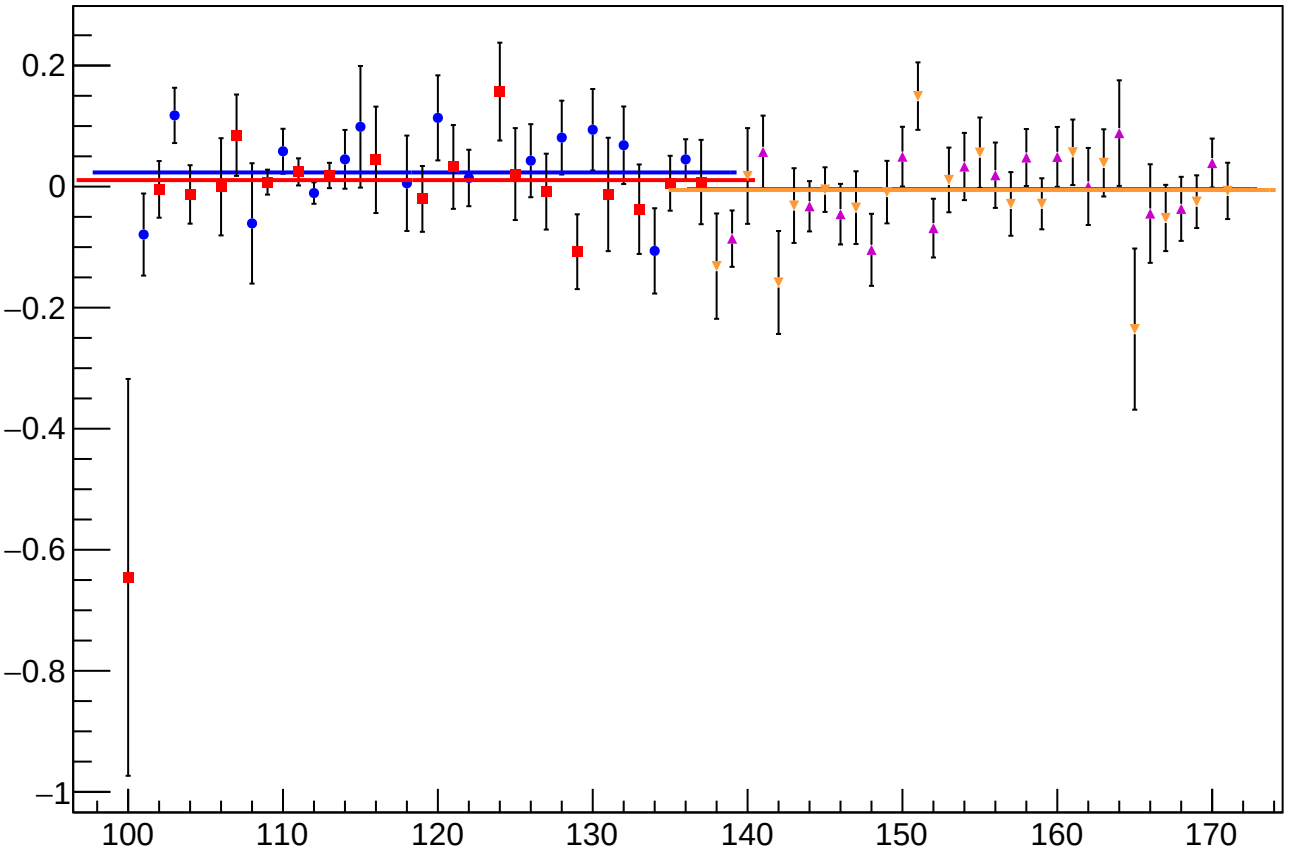
Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:643789.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 3429510.2/33

All: 0.000+/-0.000 χ^2/NDF: 6600783.0/68

- sign 0.000+/-0.000 χ^2/NDF: 3160360.3/34



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

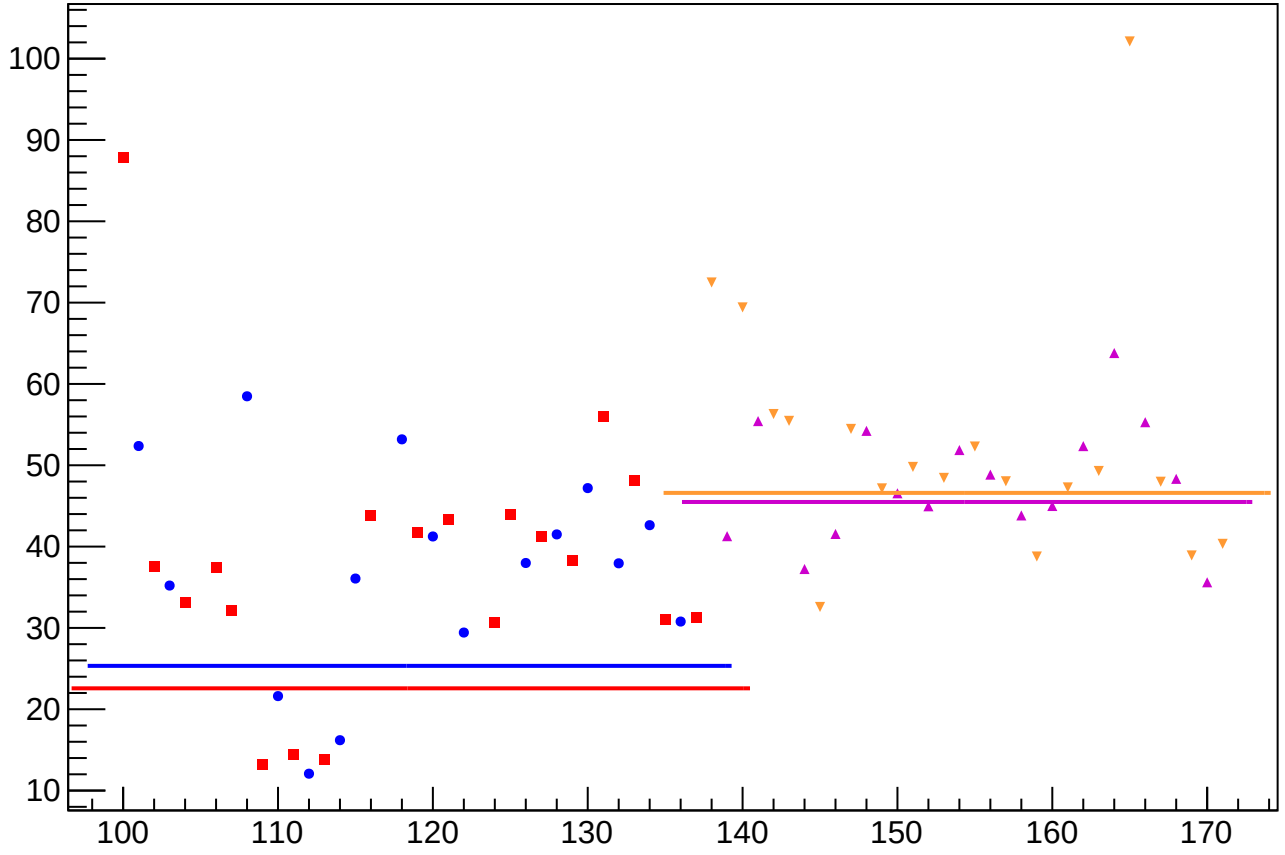
Left In: -0.004+/-0.013 χ^2/NDF:17.0/15

+ sign 0.011+/-0.008 χ^2/NDF: 44.8/33

All: 0.008+/-0.006 χ^2/NDF: 77.1/68

- sign 0.005+/-0.008 χ^2/NDF: 32.1/34

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: 46.604+/-0.009 χ^2/NDF:1285949.8/17

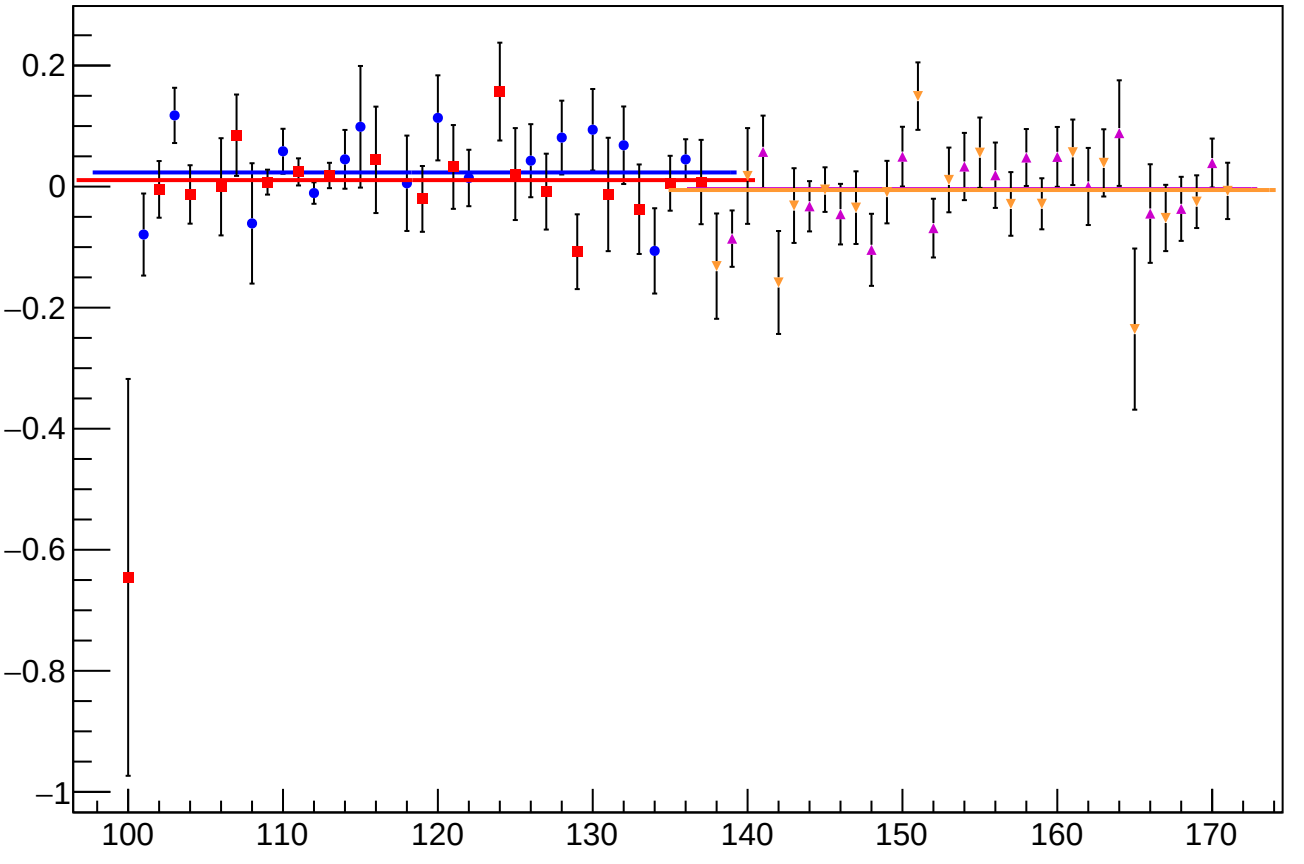
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.486+/-0.009 χ^2/NDF:509328.0/15

+ sign 34.361+/-0.006 χ^2/NDF: 7345652.6/33

All: 32.473+/-0.004 χ^2/NDF: 15122260.3/68

- sign 30.828+/-0.006 χ^2/NDF: 7587371.5/34



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

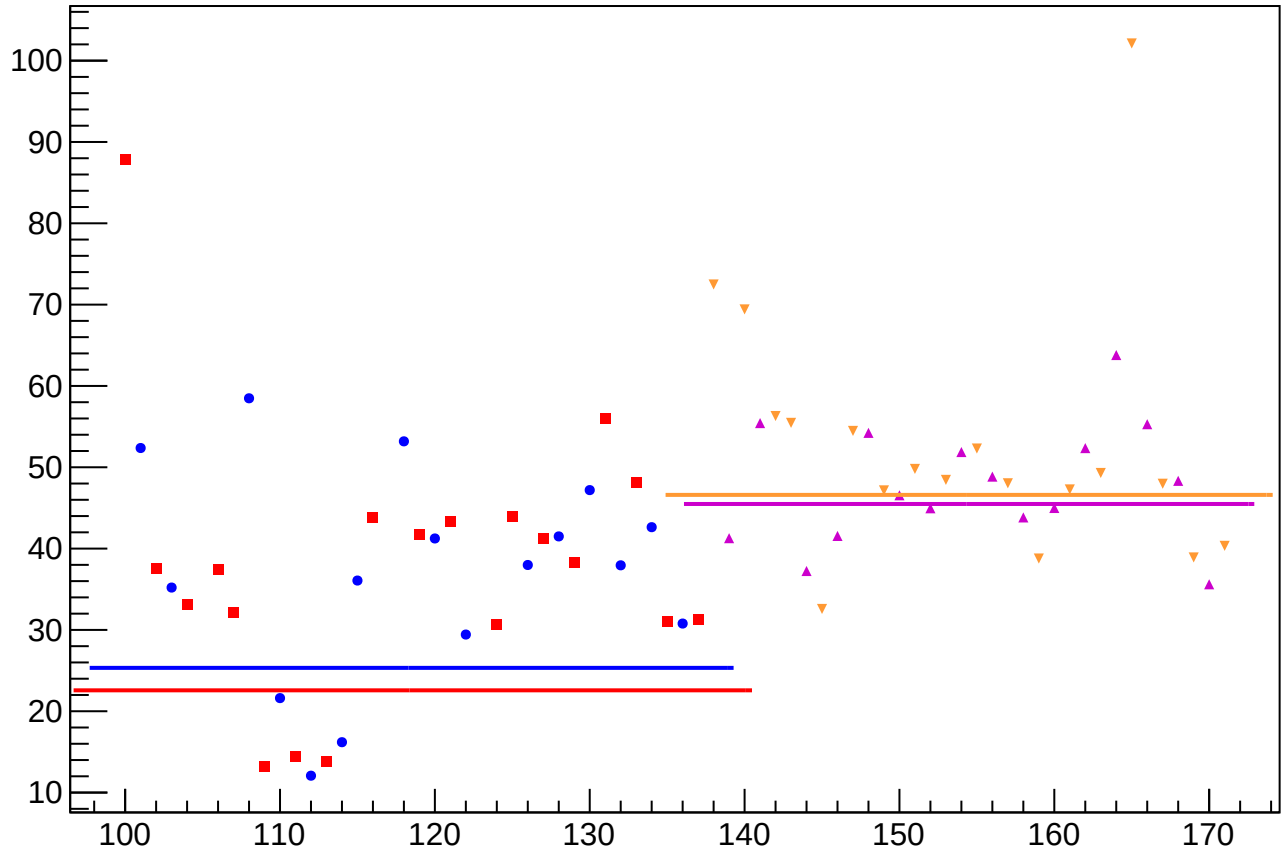
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.013 χ^2/NDF:17.0/15

+ sign 0.011+/-0.008 χ^2/NDF: 44.8/33

All: 0.008+/-0.006 χ^2/NDF: 77.1/68

- sign 0.005+/-0.008 χ^2/NDF: 32.1/34



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.604+/-0.009 χ^2/NDF:1285949.8/17

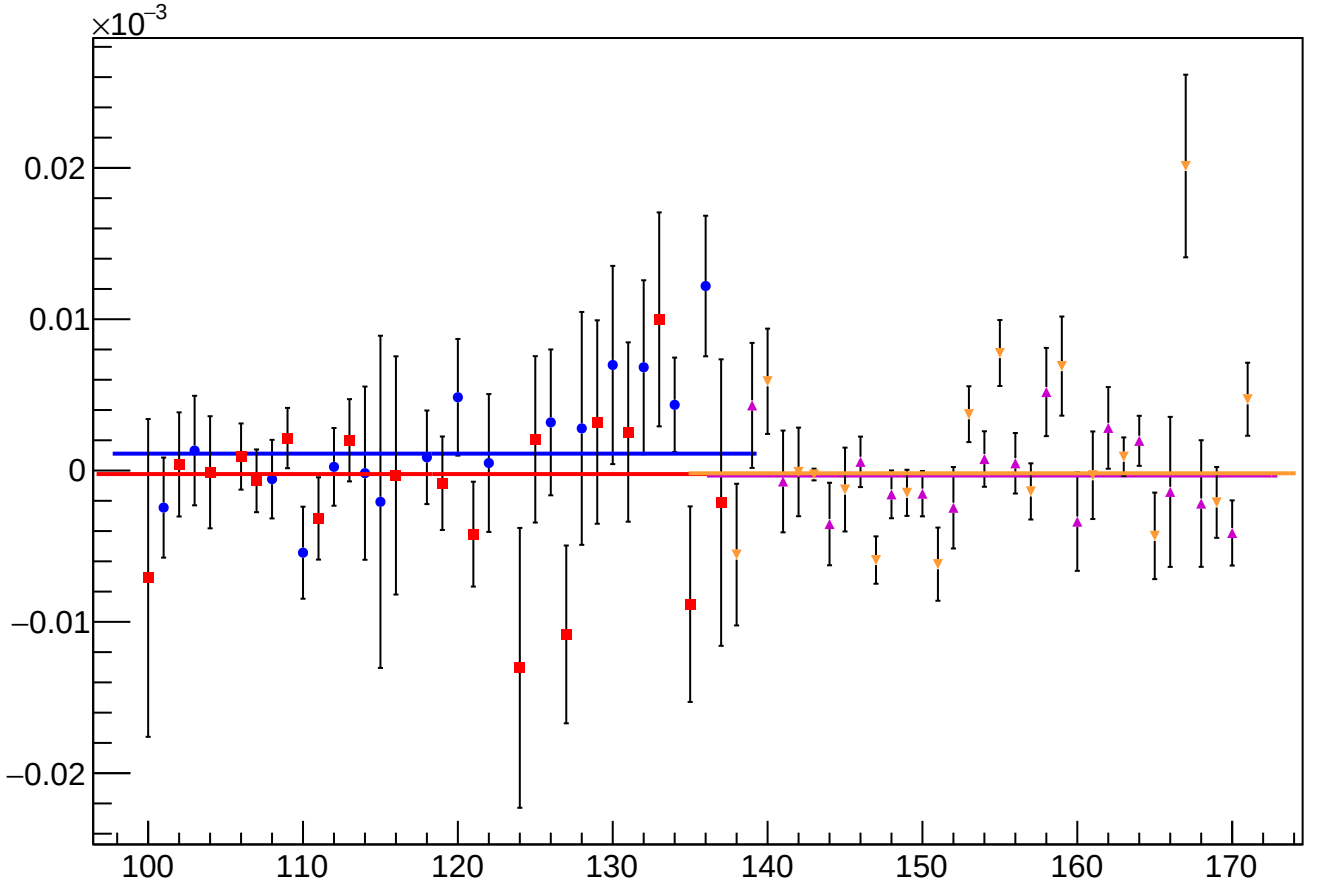
Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.486+/-0.009 χ^2/NDF:509328.0/15

+ sign 34.361+/-0.006 χ^2/NDF: 7345652.6/33

All: 32.473+/-0.004 χ^2/NDF: 15122260.3/68

- sign 30.828+/-0.006 χ^2/NDF: 7587371.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:66.7/17

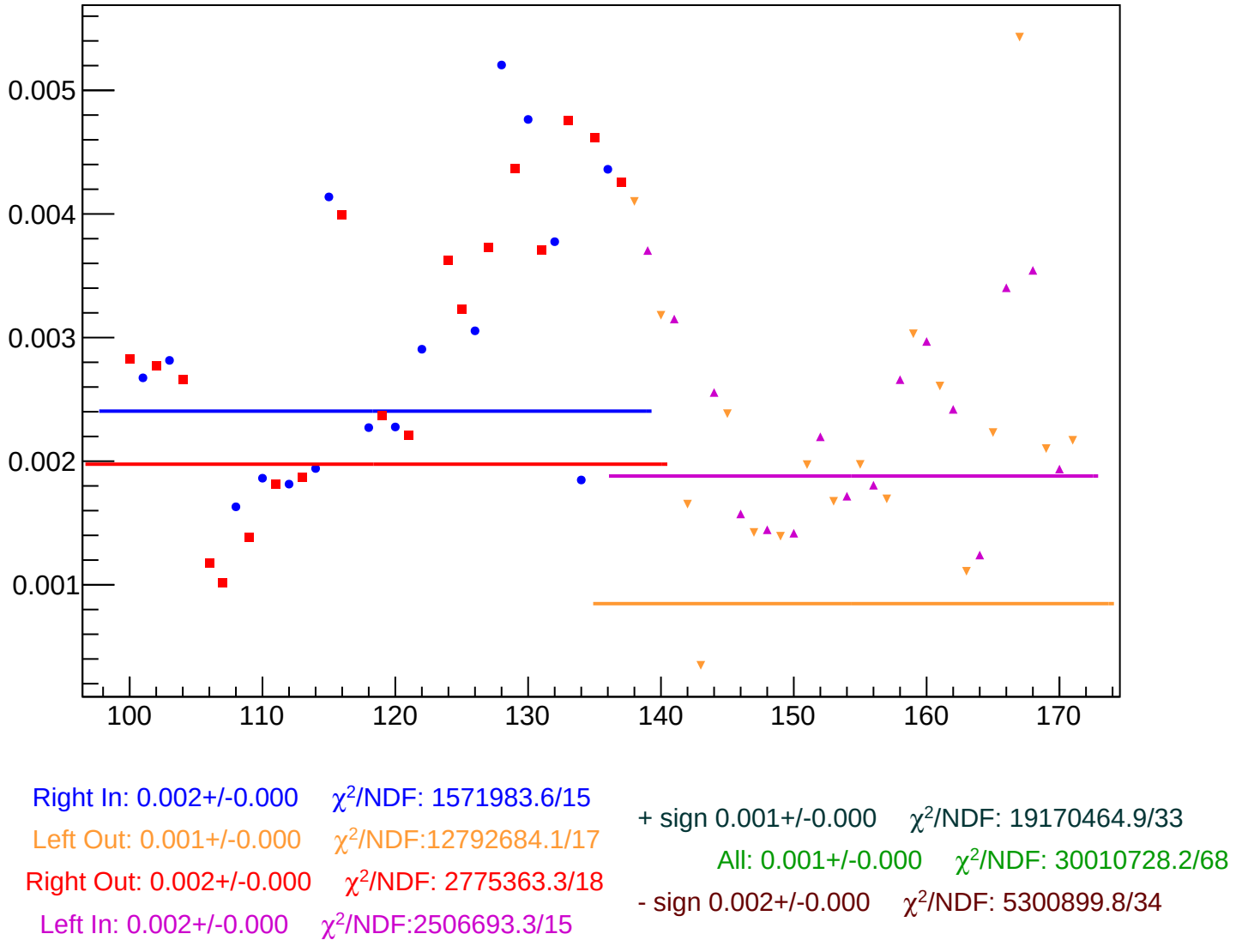
Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/18

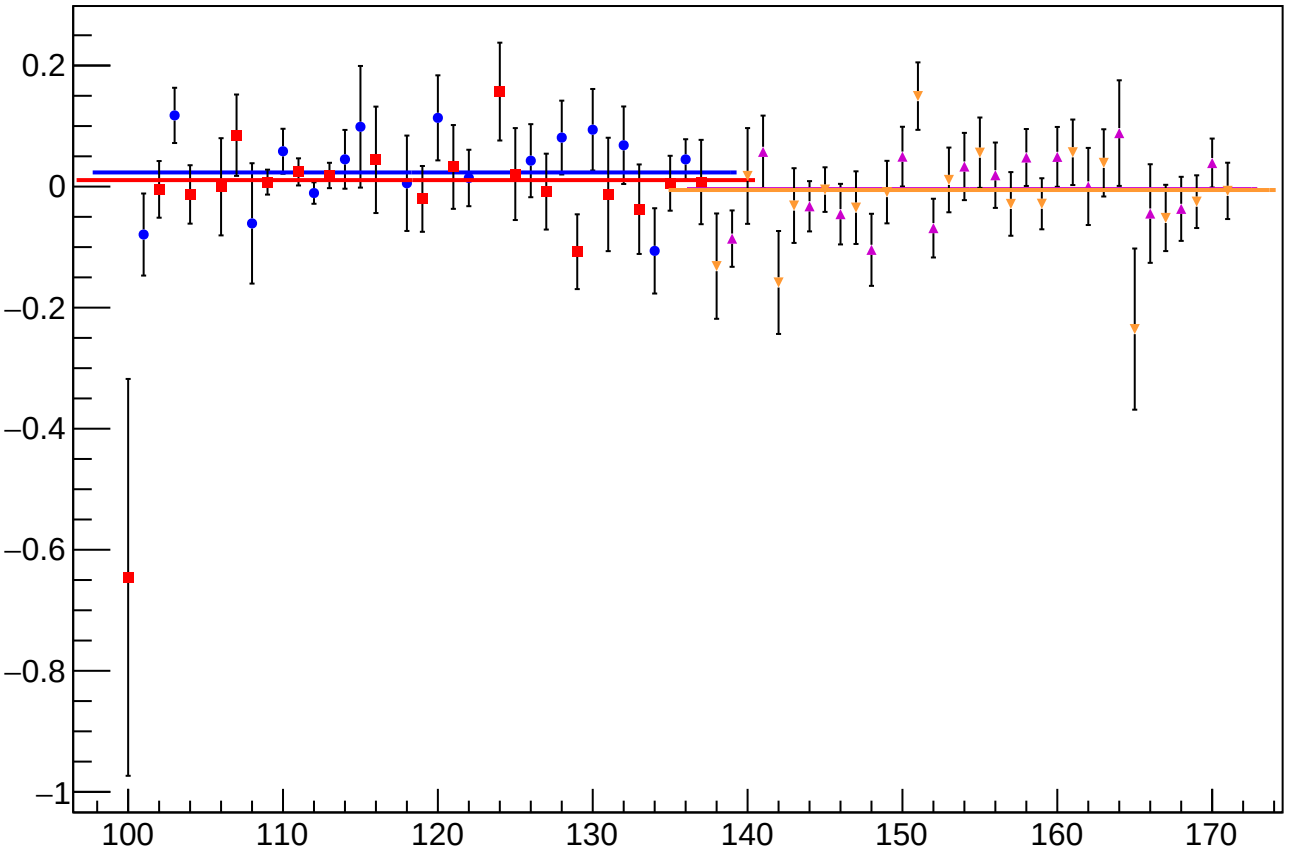
Left In: -0.000+/-0.000 χ^2/NDF:16.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 84.5/33

All: -0.000+/-0.000 χ^2/NDF: 116.3/68

- sign -0.000+/-0.000 χ^2/NDF: 31.6/34


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 1571983.6/15
Left Out: 0.001+/-0.000 χ²/NDF:12792684.1/17
Right Out: 0.002+/-0.000 χ²/NDF: 2775363.3/18
Left In: 0.002+/-0.000 χ²/NDF:2506693.3/15
+ sign 0.001+/-0.000 χ²/NDF: 19170464.9/33
All: 0.001+/-0.000 χ²/NDF: 30010728.2/68
- sign 0.002+/-0.000 χ²/NDF: 5300899.8/34



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

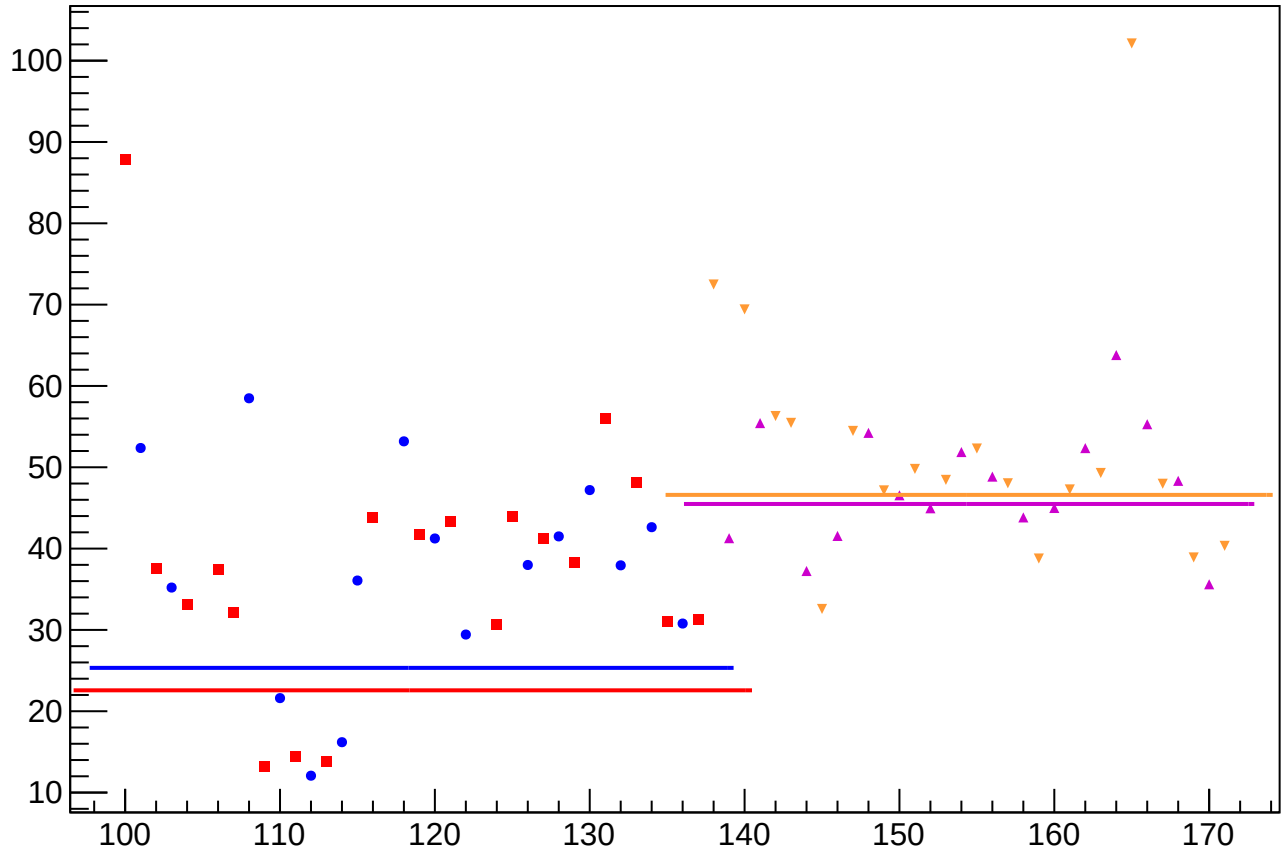
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.013 χ^2/NDF:17.0/15

+ sign 0.011+/-0.008 χ^2/NDF: 44.8/33

All: 0.008+/-0.006 χ^2/NDF: 77.1/68

- sign 0.005+/-0.008 χ^2/NDF: 32.1/34



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.605+/-0.009 χ^2/NDF:1285923.9/17

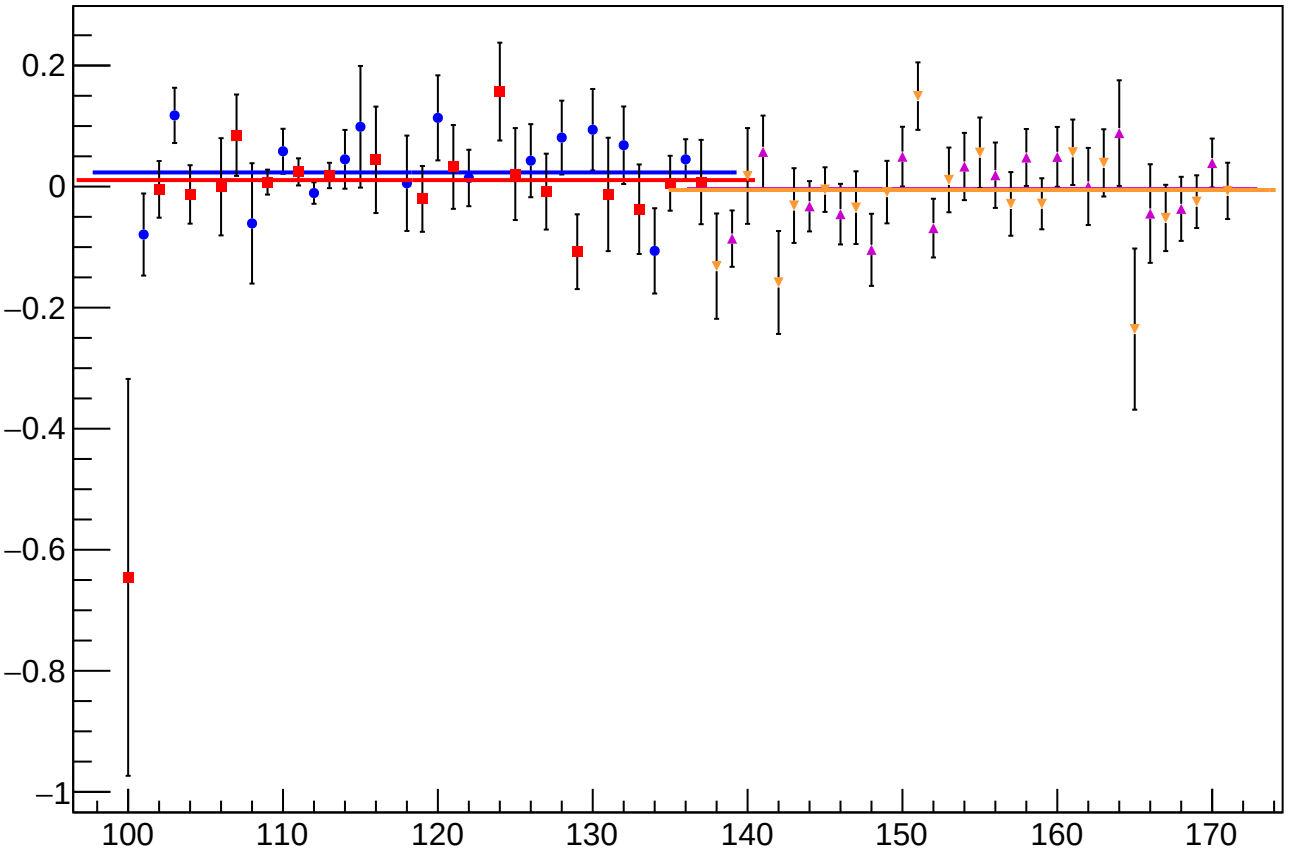
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.486+/-0.009 χ^2/NDF:509342.2/15

+ sign 34.360+/-0.006 χ^2/NDF: 7346590.8/33

All: 32.473+/-0.004 χ^2/NDF: 15123471.7/68

- sign 30.827+/-0.006 χ^2/NDF: 7587721.7/34



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

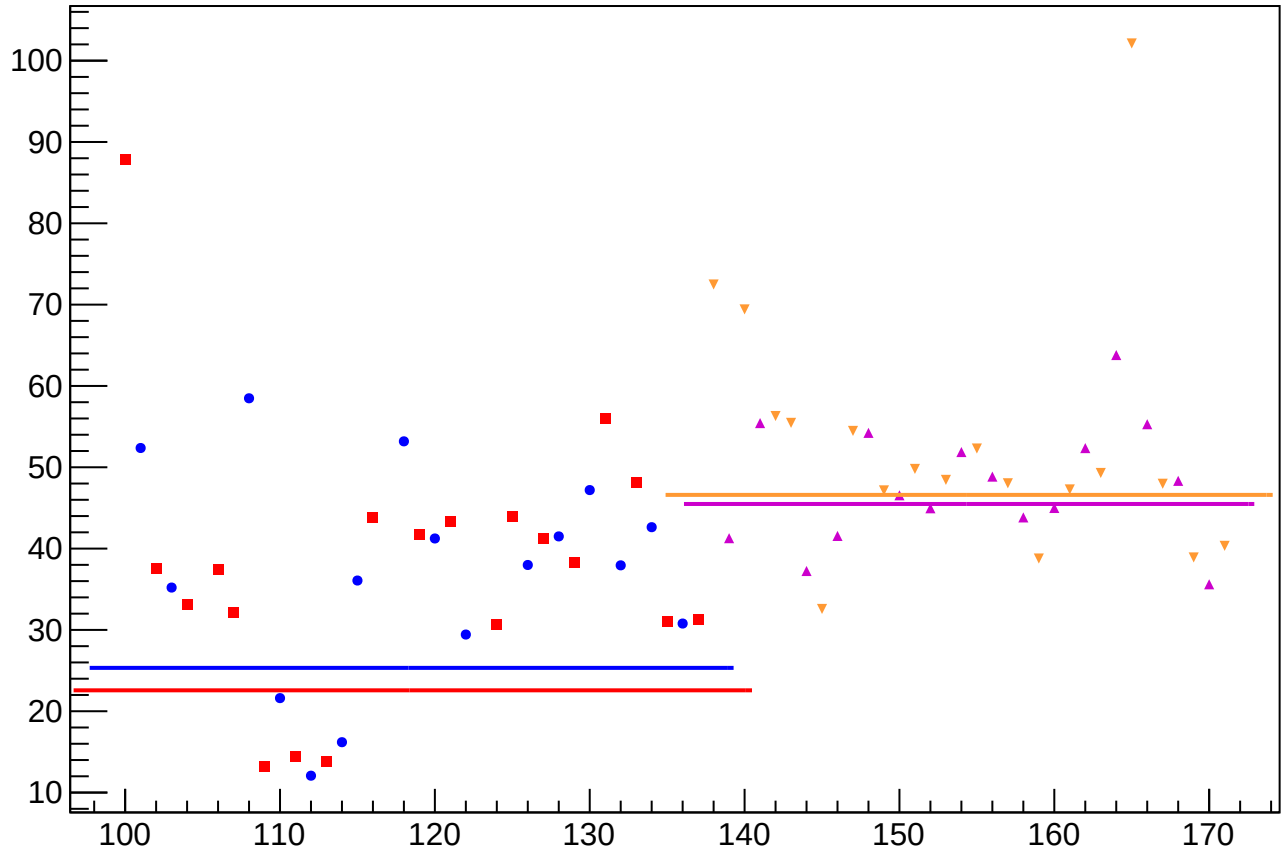
Right Out: 0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.013 χ^2/NDF:17.0/15

+ sign 0.011+/-0.008 χ^2/NDF: 44.8/33

All: 0.008+/-0.006 χ^2/NDF: 77.1/68

- sign 0.005+/-0.008 χ^2/NDF: 32.1/34



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.605+/-0.009 χ^2/NDF:1285923.9/17

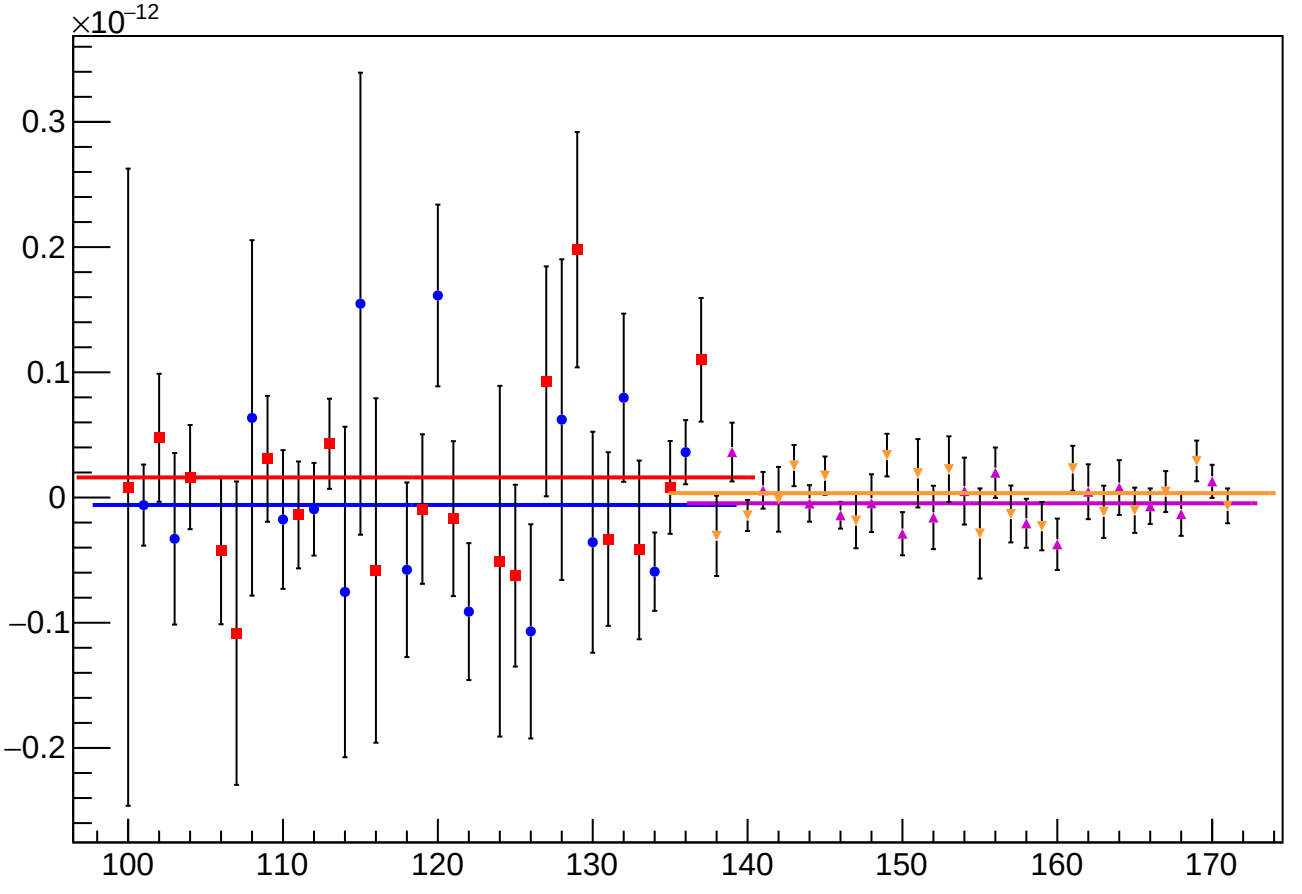
Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.486+/-0.009 χ^2/NDF:509342.2/15

+ sign 34.360+/-0.006 χ^2/NDF: 7346590.8/33

All: 32.473+/-0.004 χ^2/NDF: 15123471.7/68

- sign 30.827+/-0.006 χ^2/NDF: 7587721.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/17

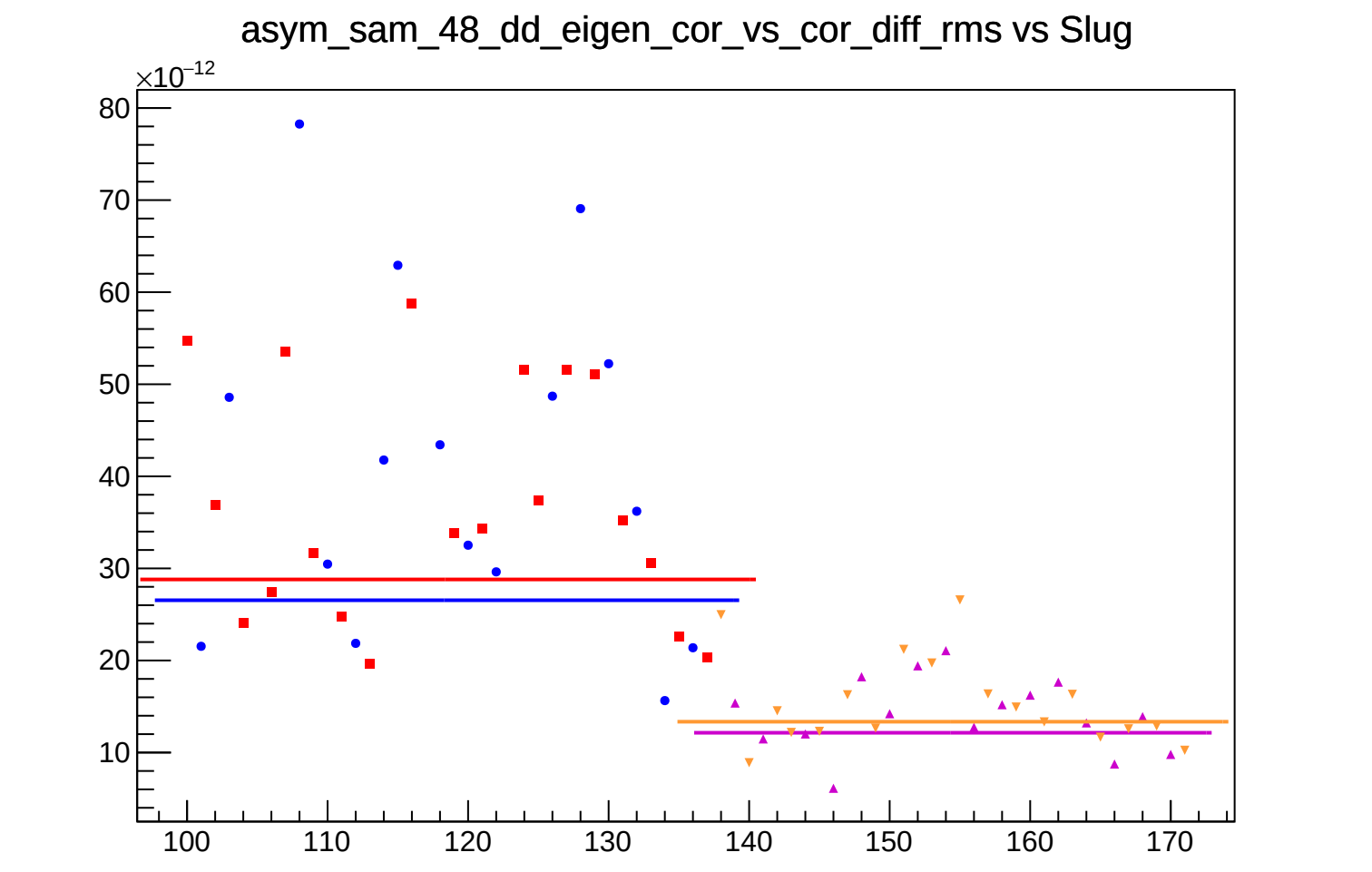
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/33

All: -0.000+/-0.000 χ^2/NDF: 70.6/68

- sign -0.000+/-0.000 χ^2/NDF: 31.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347280.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

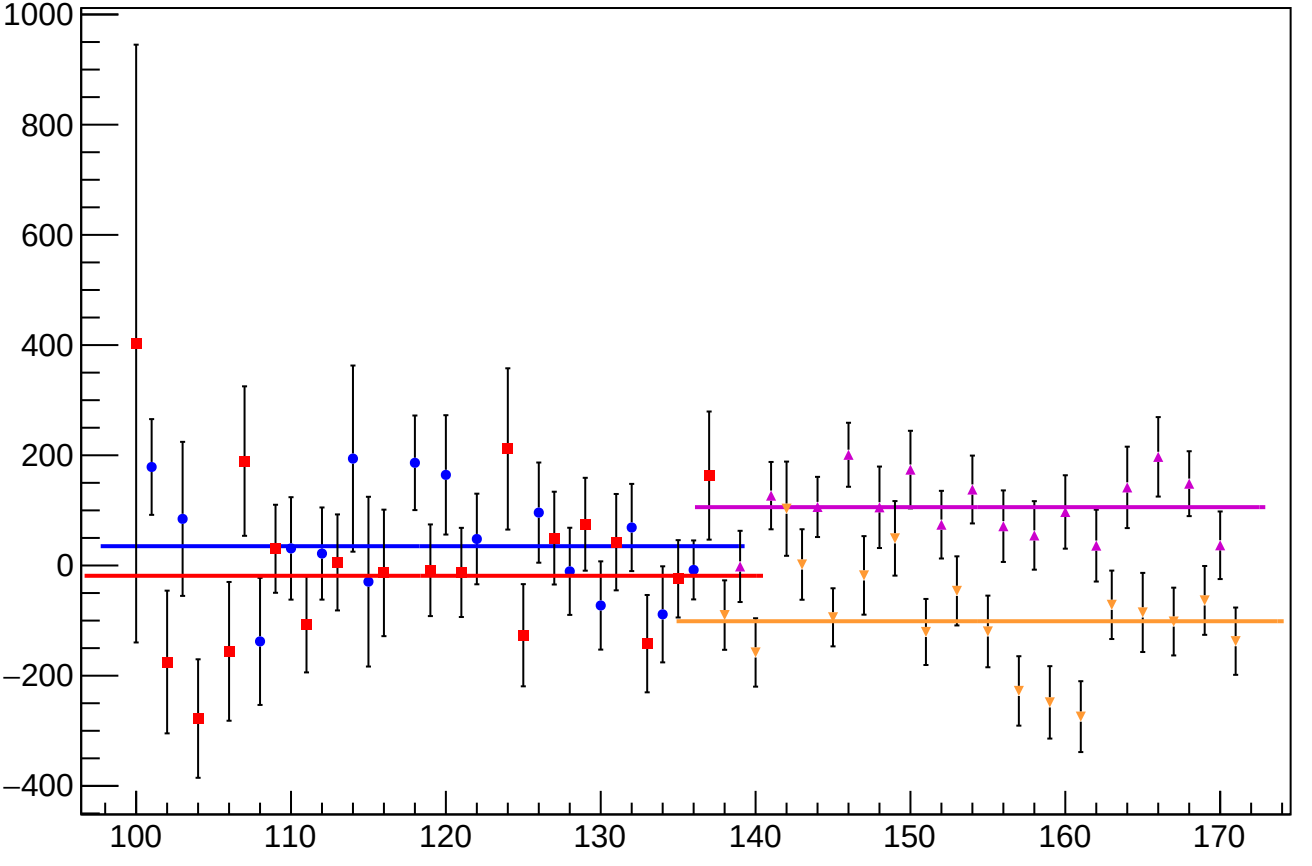
Left In: 0.000+/-0.000 χ^2/NDF:1691786.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 4963751.0/33

All: 0.000+/-0.000 χ^2/NDF: 10466095.3/68

- sign 0.000+/-0.000 χ^2/NDF: 5441362.7/34

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.165+/-15.068 χ^2/NDF:33.7/17

Right Out: -18.690+/-22.137 χ^2/NDF: 23.5/18

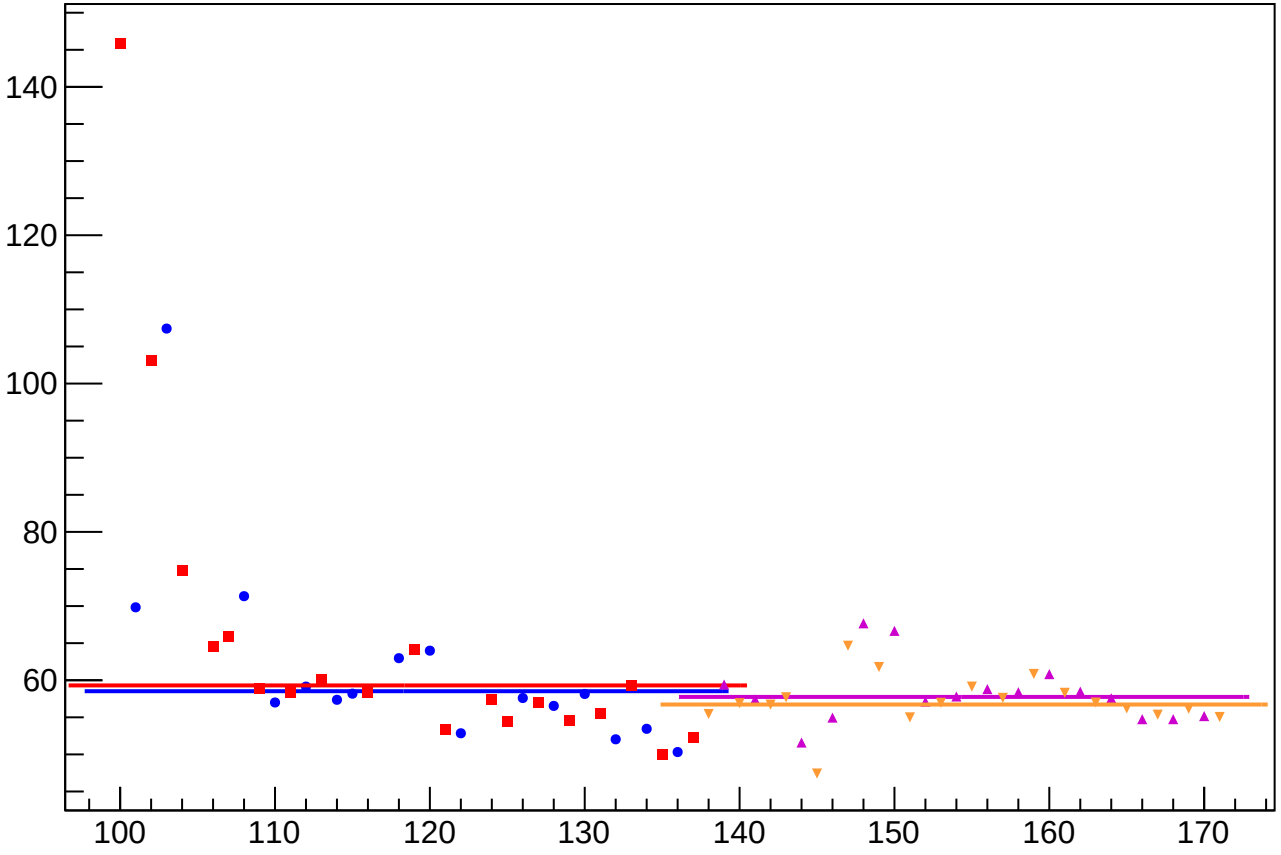
Left In: 105.879+/-15.934 χ^2/NDF:12.8/15

+ sign -58.039+/-12.456 χ^2/NDF: 75.8/33

All: 0.386+/-8.971 χ^2/NDF: 178.7/68

- sign 63.365+/-12.932 χ^2/NDF: 57.2/34

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

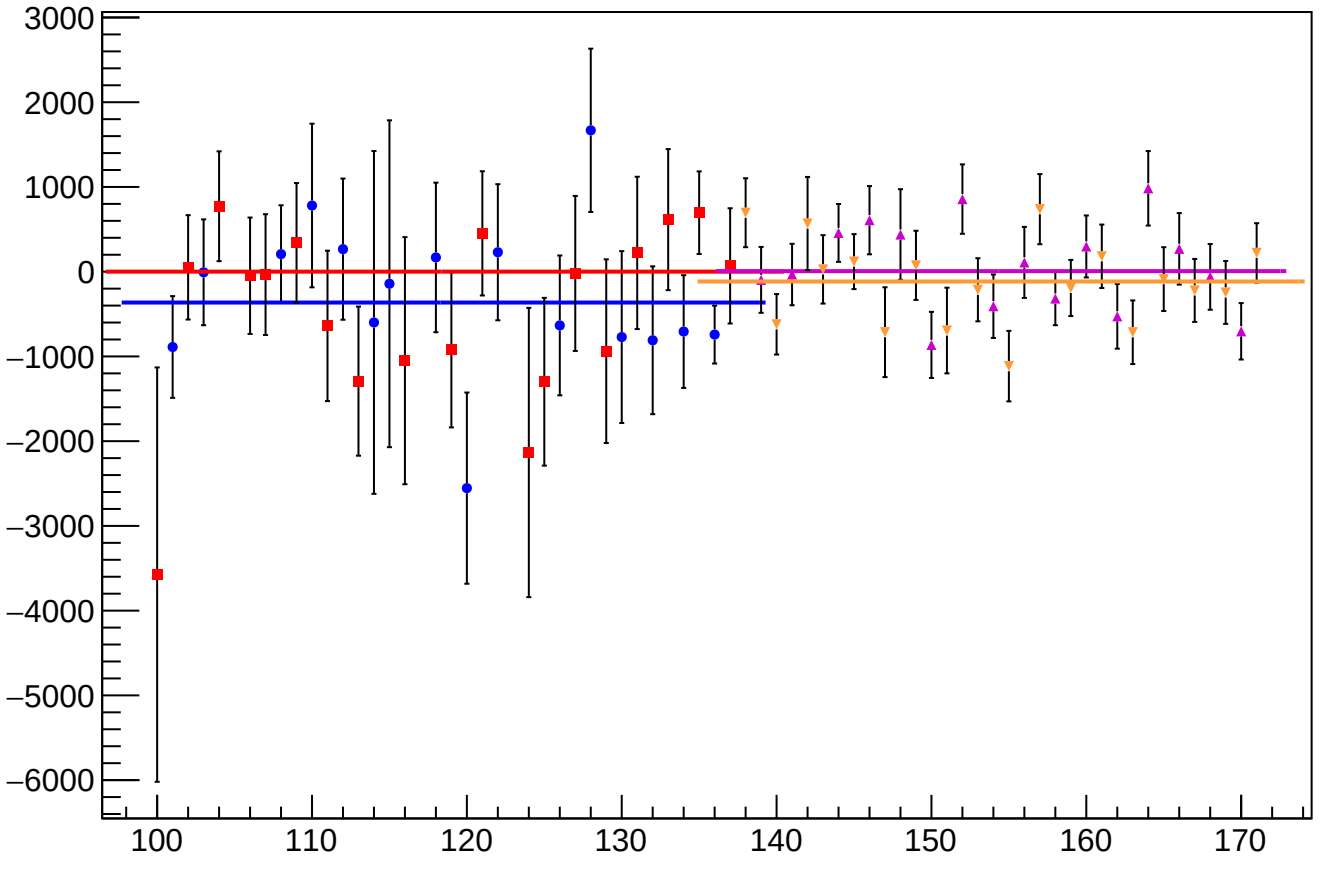
Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

+ sign 57.295+/-0.009 χ^2/NDF: 518037.6/33

All: 57.769+/-0.006 χ^2/NDF: 1054222.8/68

- sign 58.280+/-0.009 χ^2/NDF: 530163.5/34



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -115.559+/-91.984 χ^2/NDF:25.4/17

Right Out: 0.570+/-183.085 χ^2/NDF: 15.1/18

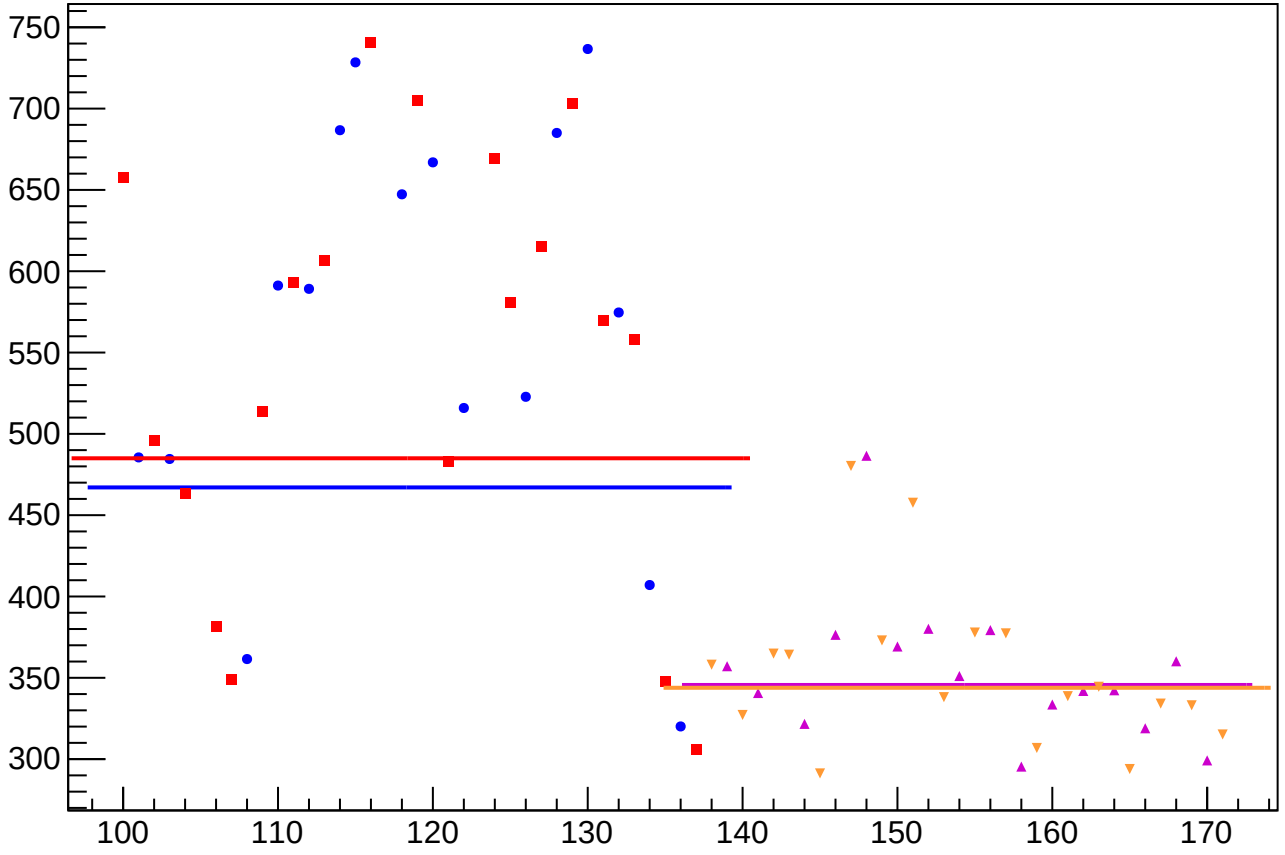
Left In: 6.662+/-95.907 χ^2/NDF:28.8/15

+ sign -166.747+/-81.965 χ^2/NDF: 42.2/33

All: -83.782+/-58.987 χ^2/NDF: 88.2/68

- sign 5.351+/-84.956 χ^2/NDF: 43.9/34

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 343.866+/-0.065 χ^2/NDF:415338.1/17

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

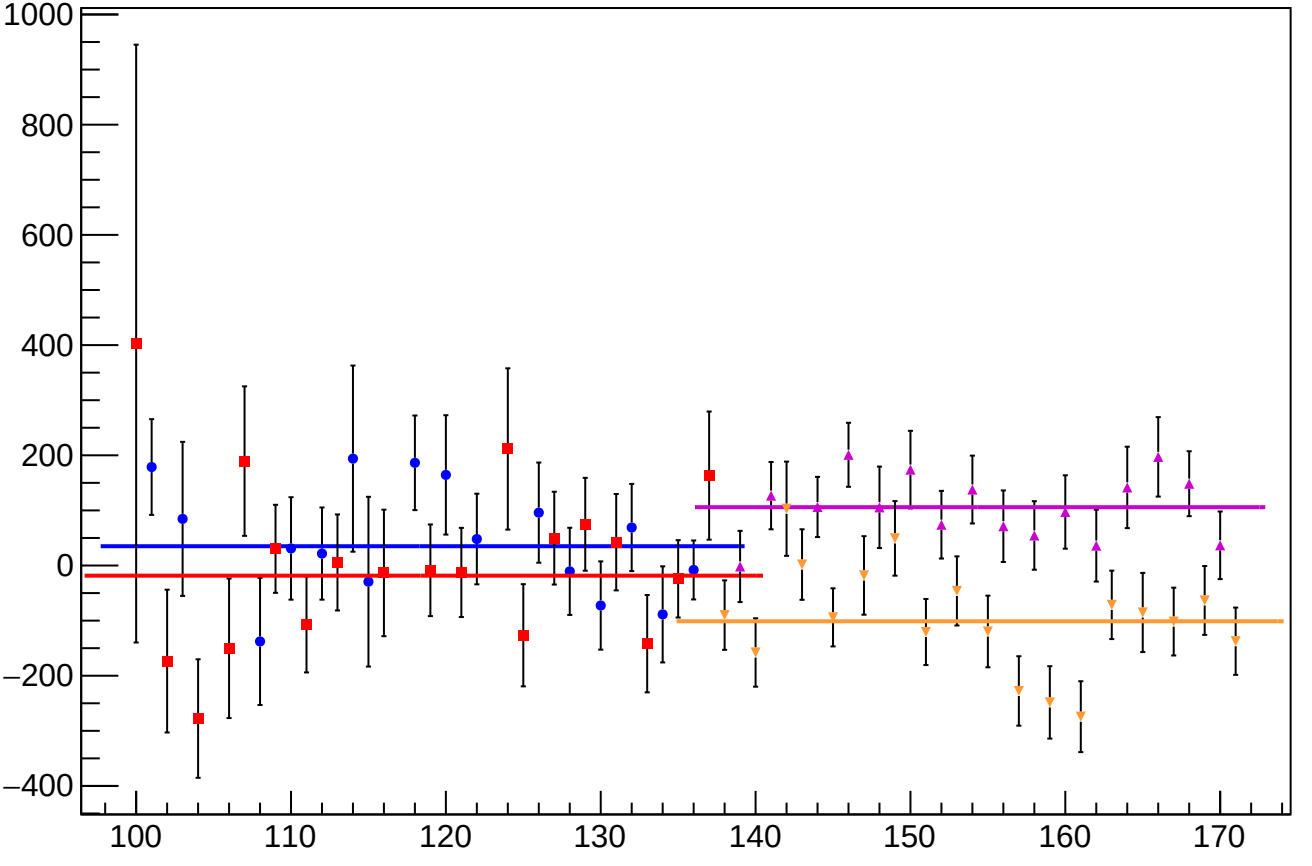
Left In: 345.596+/-0.068 χ^2/NDF:300319.2/15

+ sign 369.243+/-0.058 χ^2/NDF: 2184640.1/33

All: 372.312+/-0.042 χ^2/NDF: 4274477.0/68

- sign 375.609+/-0.060 χ^2/NDF: 2084021.1/34

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.163+/-15.068 χ^2/NDF:33.7/17

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

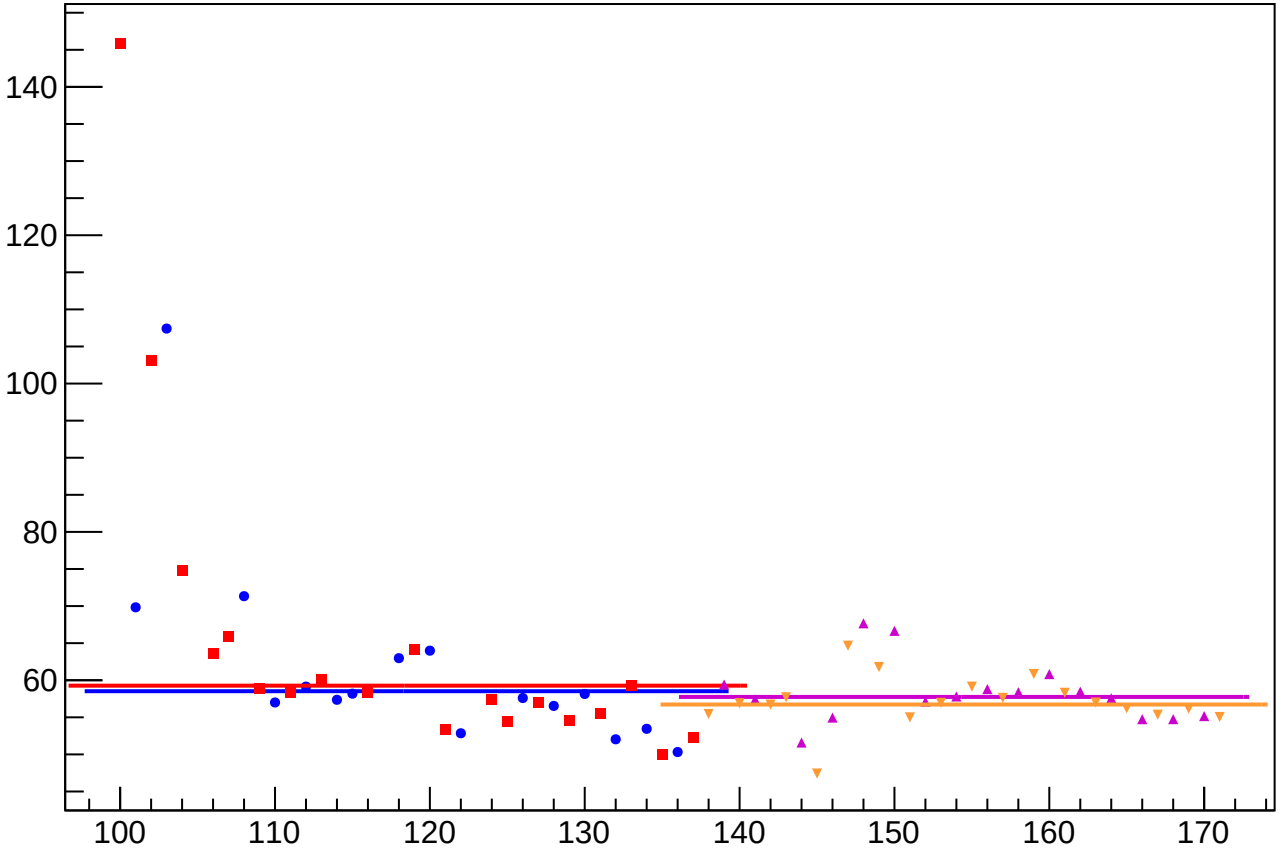
Left In: 105.880+/-15.934 χ^2/NDF:12.8/15

+ sign -58.037+/-12.456 χ^2/NDF: 75.8/33

All: 0.433+/-8.972 χ^2/NDF: 178.5/68

- sign 63.469+/-12.933 χ^2/NDF: 56.9/34

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

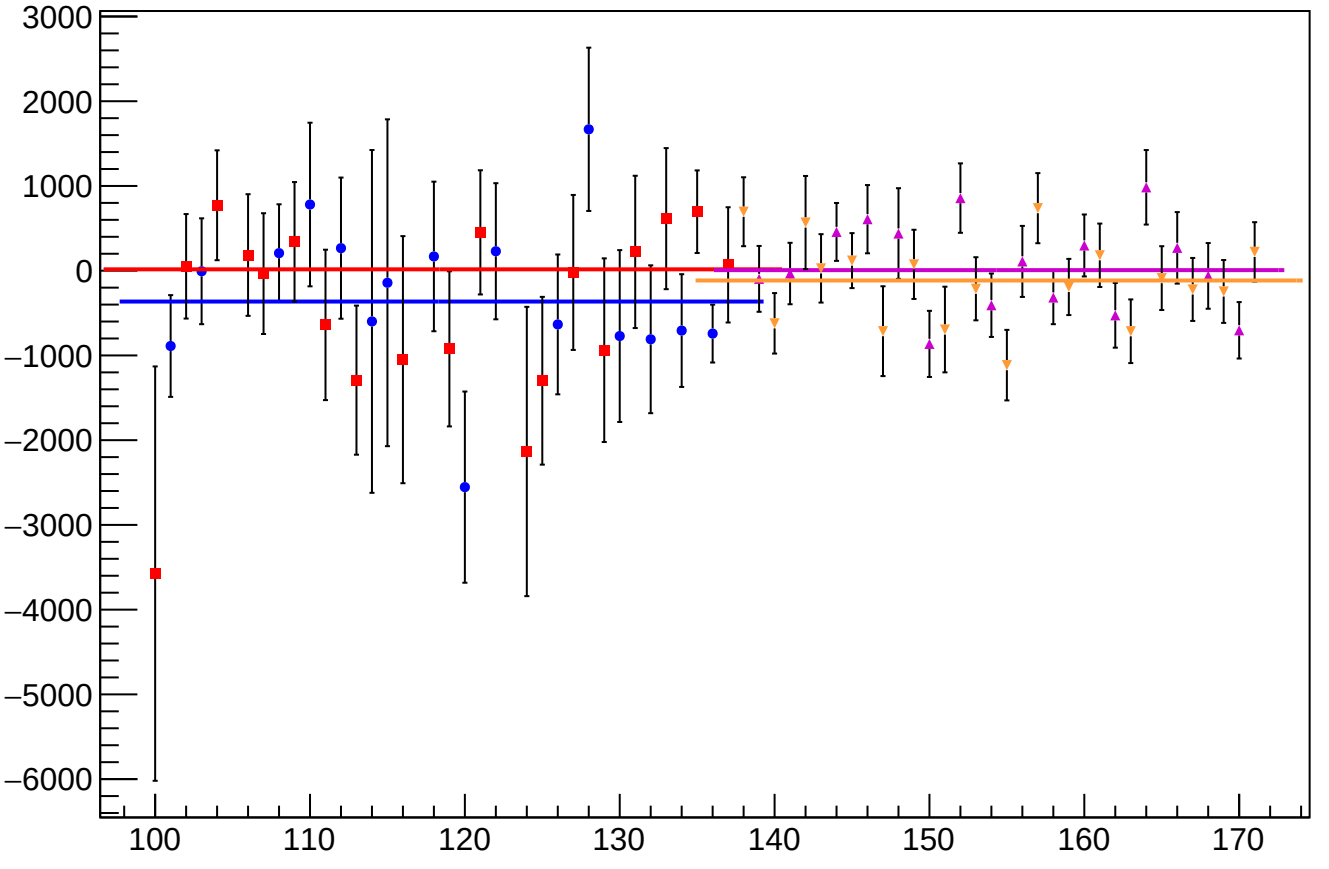
Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

+ sign 57.295+/-0.009 χ^2/NDF: 518039.7/33

All: 57.764+/-0.006 χ^2/NDF: 1052831.7/68

- sign 58.269+/-0.009 χ^2/NDF: 528904.2/34

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -115.559+/-91.984 χ^2/NDF:25.4/17

Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

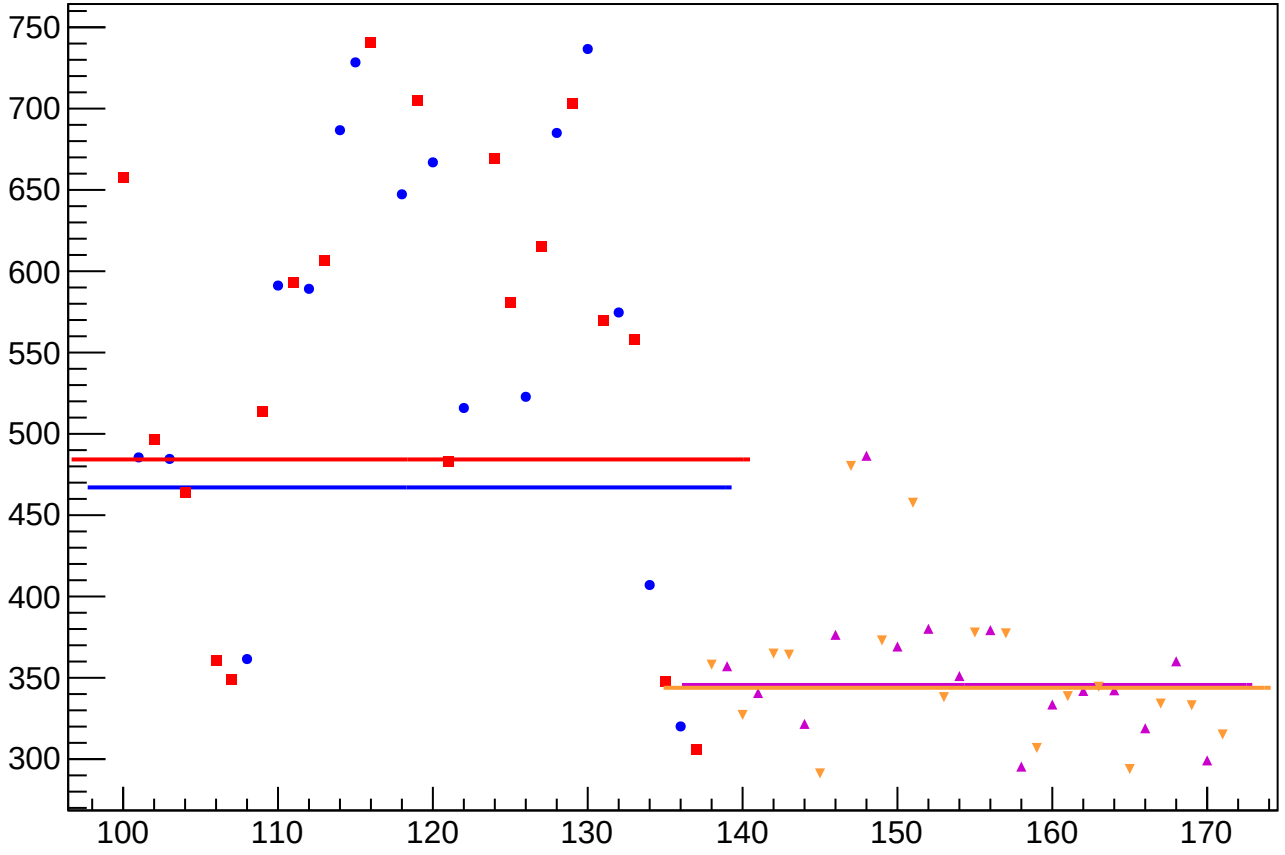
Left In: 6.663+/-95.907 χ^2/NDF:28.8/15

+ sign -166.740+/-81.965 χ^2/NDF: 42.2/33

All: -82.229+/-59.006 χ^2/NDF: 88.3/68

- sign 8.683+/-85.013 χ^2/NDF: 44.0/34

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 343.867+/-0.065 χ^2/NDF:415337.1/17

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

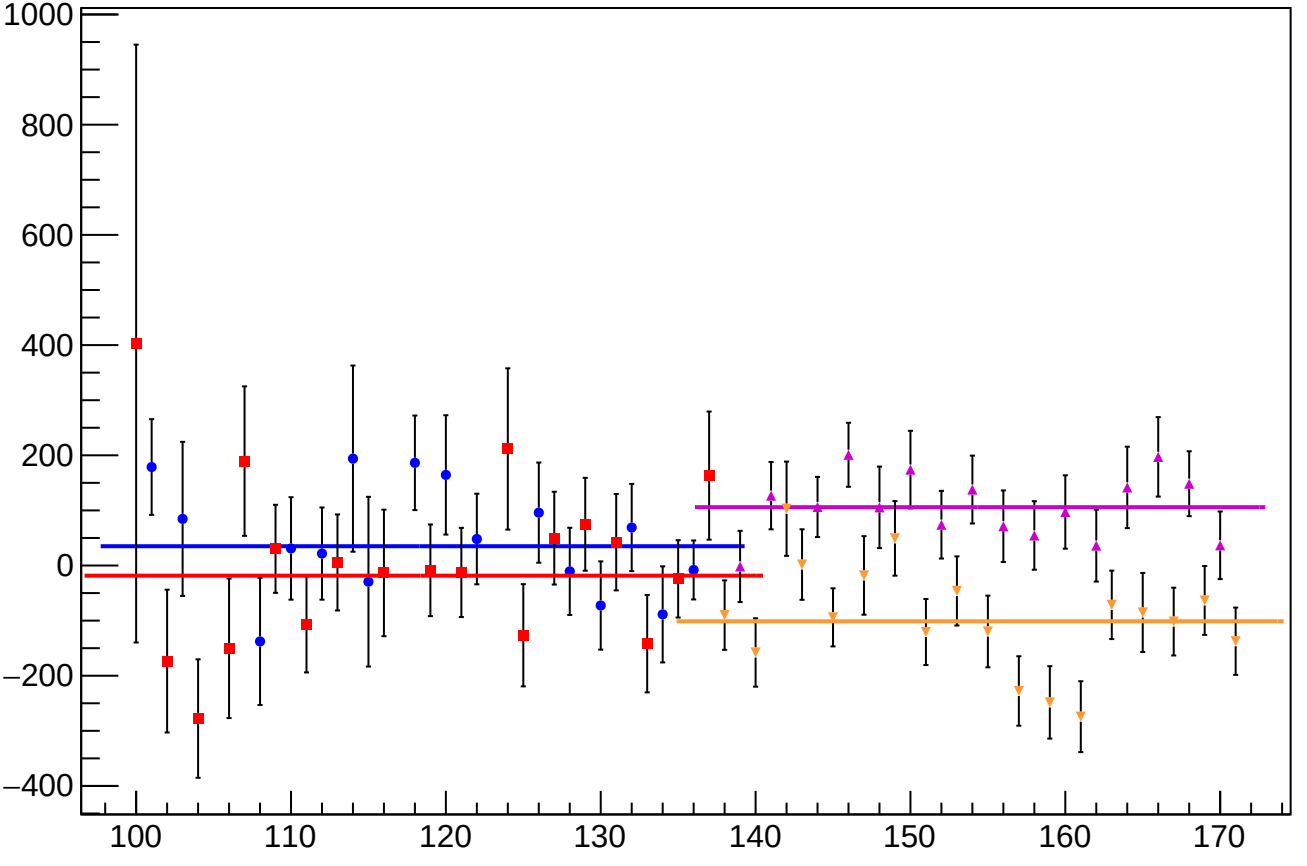
Left In: 345.596+/-0.068 χ^2/NDF:300320.8/15

+ sign 369.243+/-0.058 χ^2/NDF: 2184664.0/33

All: 372.167+/-0.042 χ^2/NDF: 4275098.1/68

- sign 375.312+/-0.060 χ^2/NDF: 2085151.9/34

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.163+/-15.068 χ^2/NDF:33.7/17

Right Out: -18.417+/-22.141 χ^2/NDF: 23.4/18

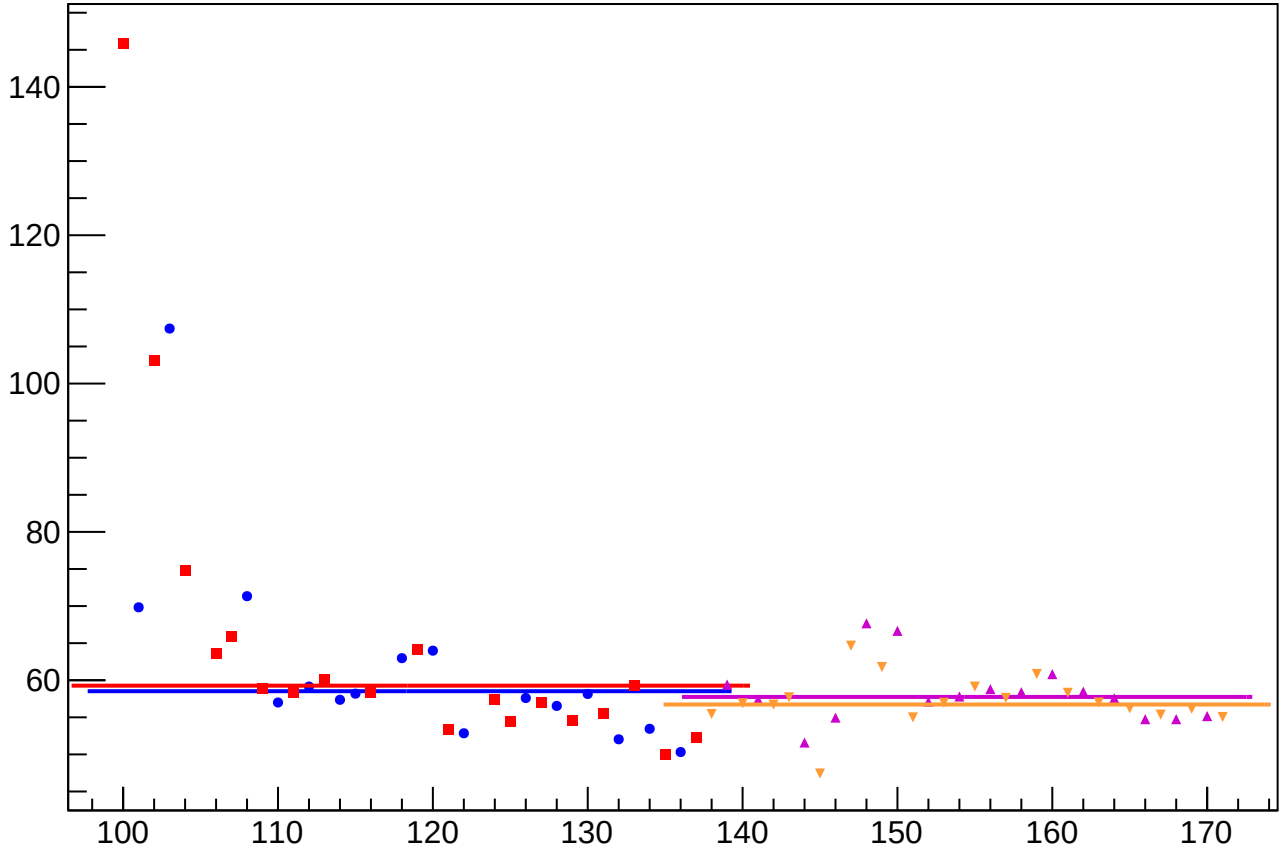
Left In: 105.880+/-15.934 χ^2/NDF:12.8/15

+ sign -58.037+/-12.456 χ^2/NDF: 75.8/33

All: 0.433+/-8.972 χ^2/NDF: 178.5/68

- sign 63.469+/-12.933 χ^2/NDF: 56.9/34

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

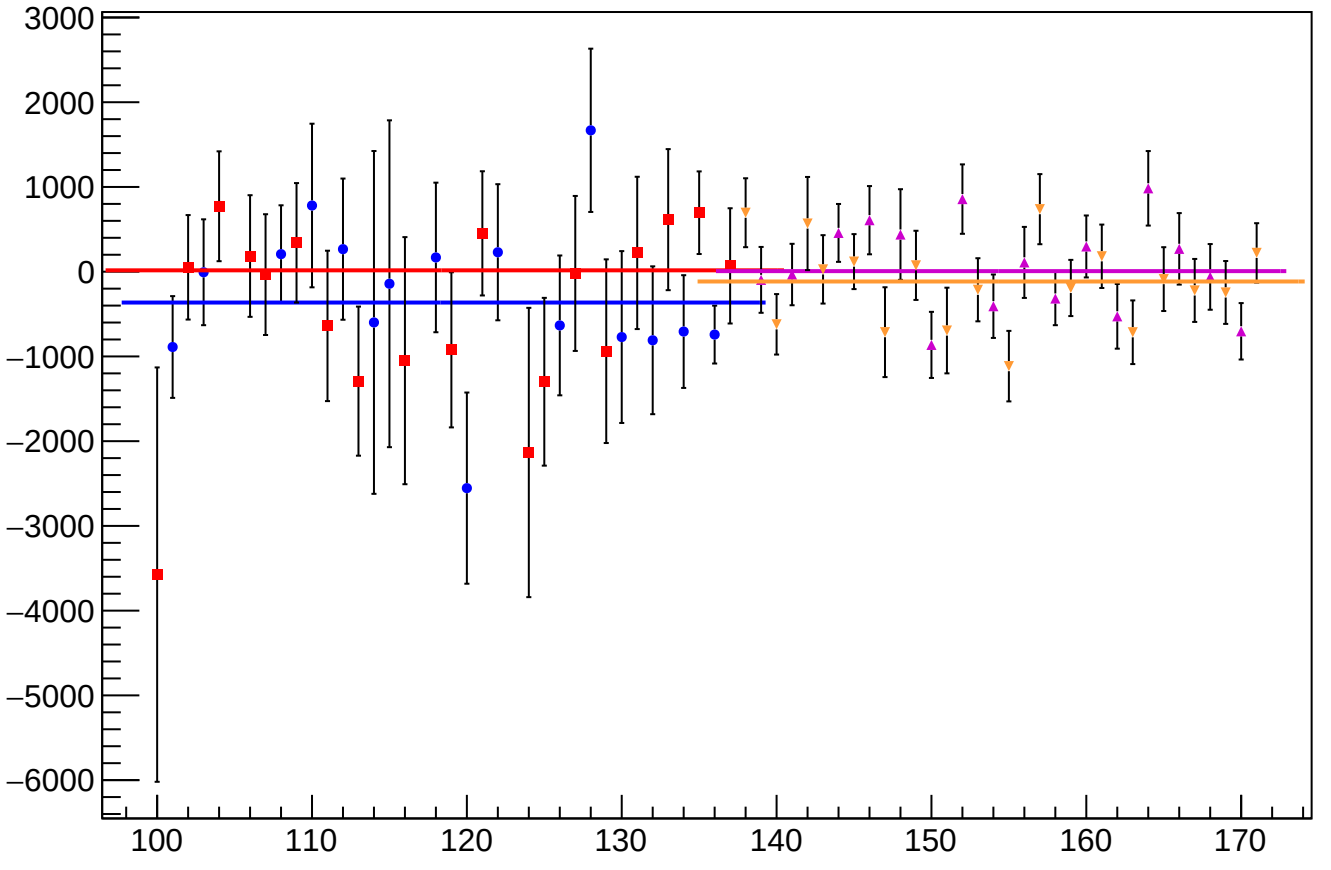
Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

+ sign 57.295+/-0.009 χ^2/NDF: 518039.7/33

All: 57.764+/-0.006 χ^2/NDF: 1052831.7/68

- sign 58.269+/-0.009 χ^2/NDF: 528904.2/34



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -115.559+/-91.984 χ^2/NDF:25.4/17

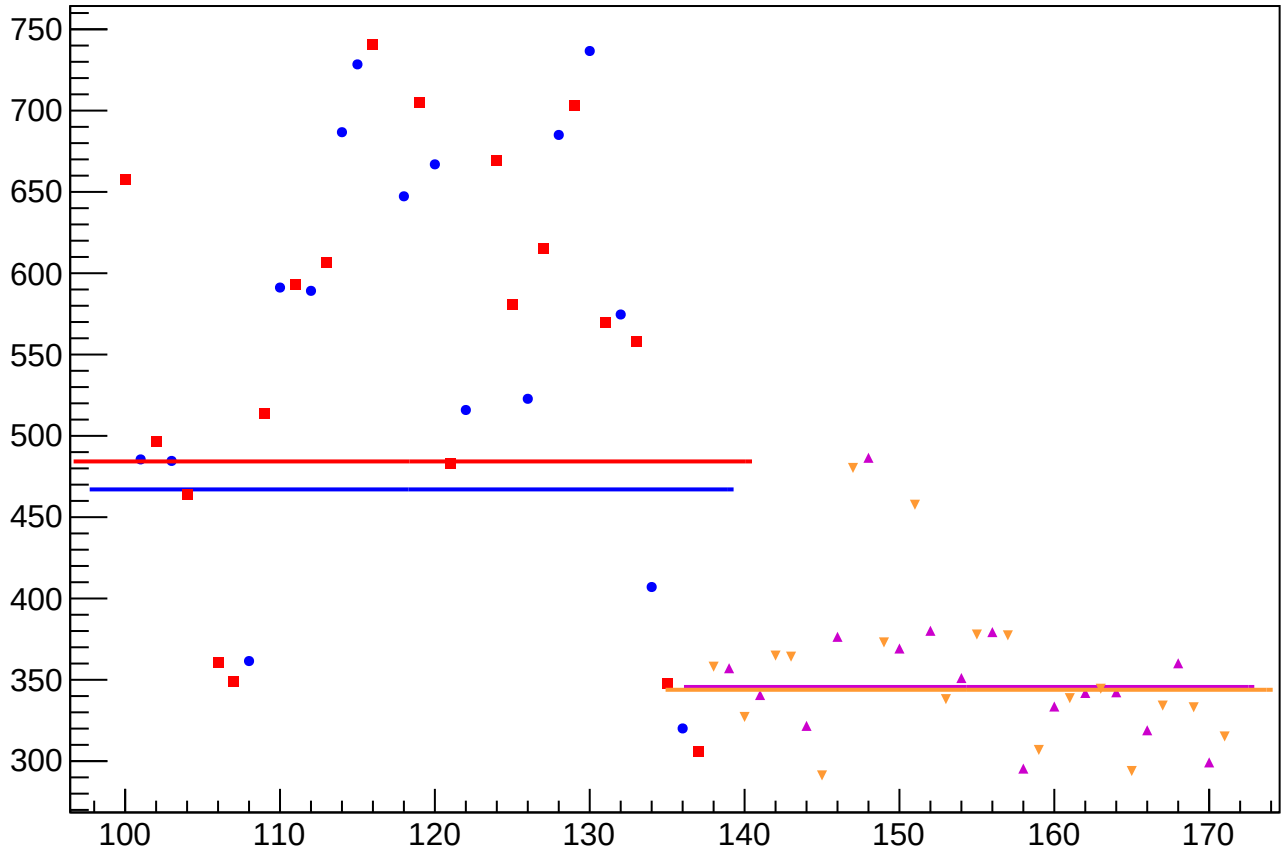
Right Out: 16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 6.663+/-95.907 χ^2/NDF:28.8/15

+ sign -166.740+/-81.965 χ^2/NDF: 42.2/33

All: -82.229+/-59.006 χ^2/NDF: 88.3/68

- sign 8.683+/-85.013 χ^2/NDF: 44.0/34



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 343.867+/-0.065 χ^2/NDF:415337.1/17

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

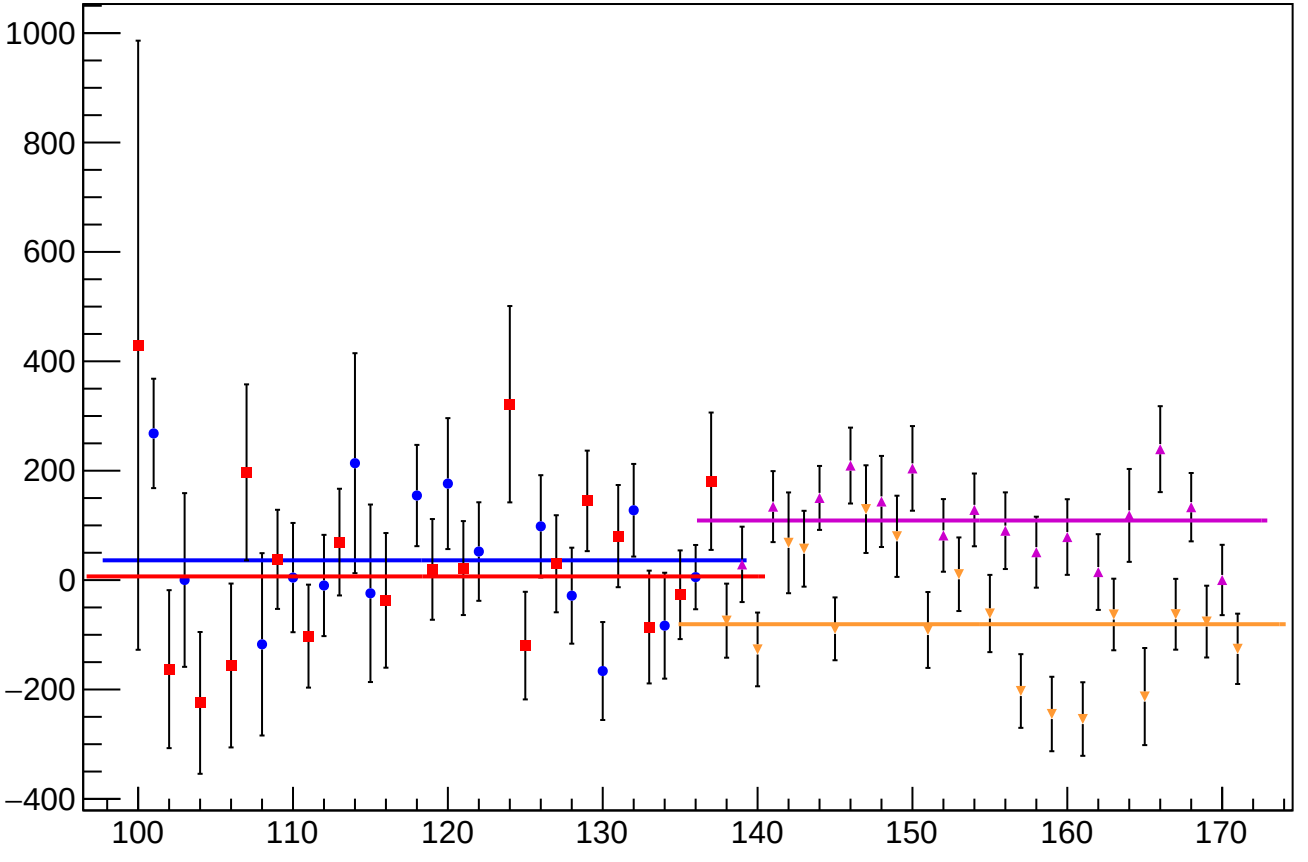
Left In: 345.596+/-0.068 χ^2/NDF:300320.8/15

+ sign 369.243+/-0.058 χ^2/NDF: 2184664.0/33

All: 372.167+/-0.042 χ^2/NDF: 4275098.1/68

- sign 375.312+/-0.060 χ^2/NDF: 2085151.9/34

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -80.639+/-16.300 χ^2/NDF:39.2/17

Right Out: 6.734+/-24.565 χ^2/NDF: 20.3/18

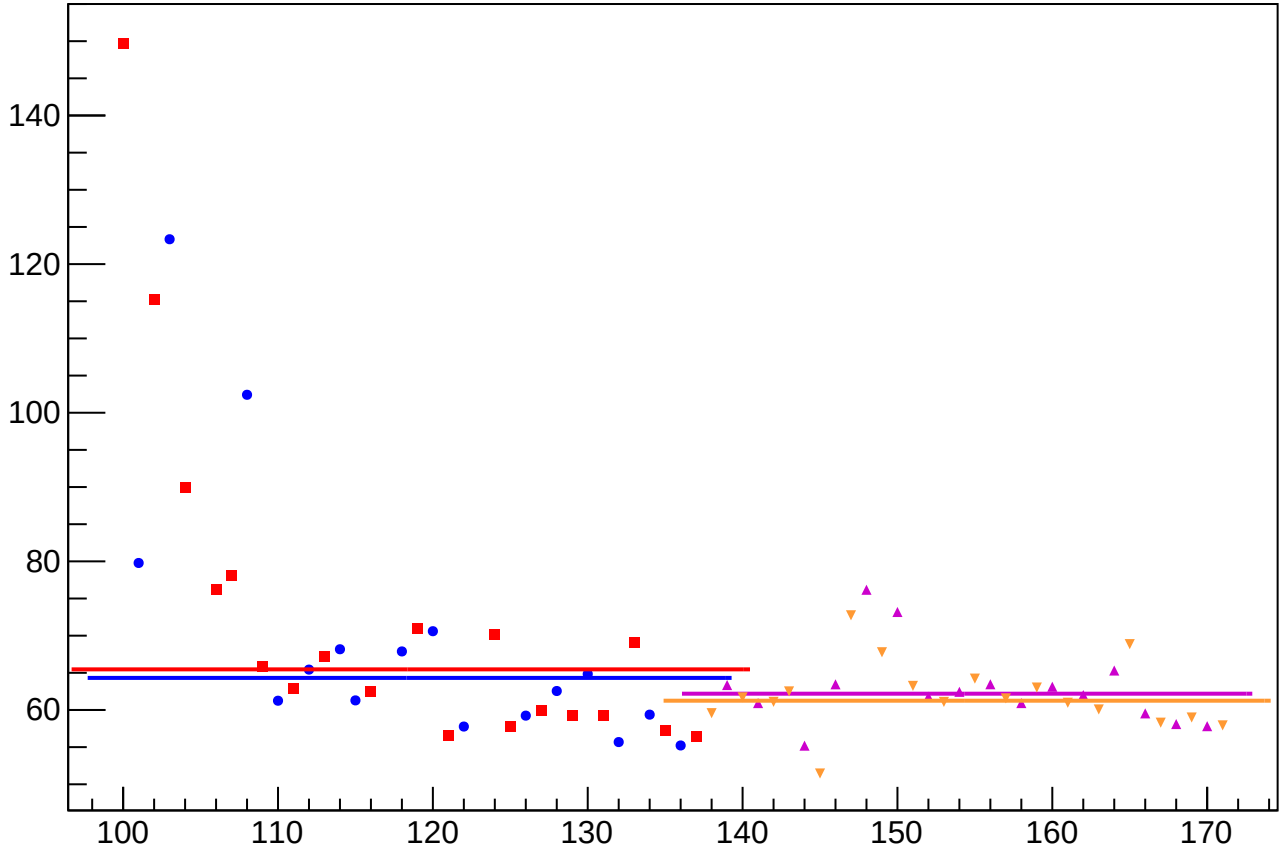
Left In: 108.969+/-17.227 χ^2/NDF:14.7/15

+ sign -44.746+/-13.566 χ^2/NDF: 74.6/33

All: 12.926+/-9.777 χ^2/NDF: 158.9/68

- sign 75.267+/-14.104 χ^2/NDF: 46.7/34

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.249+/-0.012 χ^2/NDF:150535.8/17

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

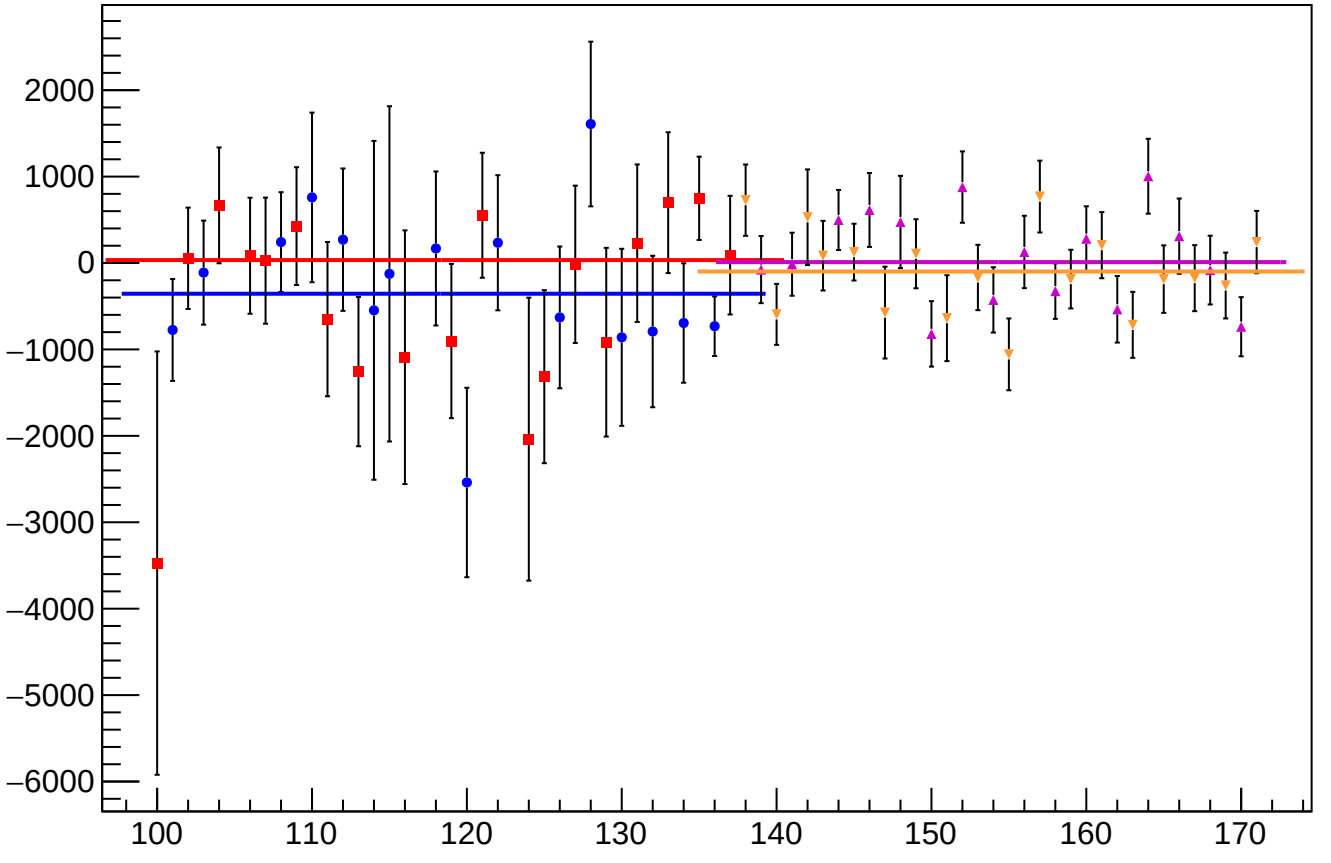
Left In: 62.192+/-0.012 χ^2/NDF:152052.6/15

+ sign 62.191+/-0.010 χ^2/NDF: 704371.9/33

All: 62.710+/-0.007 χ^2/NDF: 1368693.7/68

- sign 63.271+/-0.010 χ^2/NDF: 658231.4/34

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -98.264+/-93.091 χ^2/NDF:24.4/17

Right Out: 33.786+/-181.561 χ^2/NDF: 15.4/18

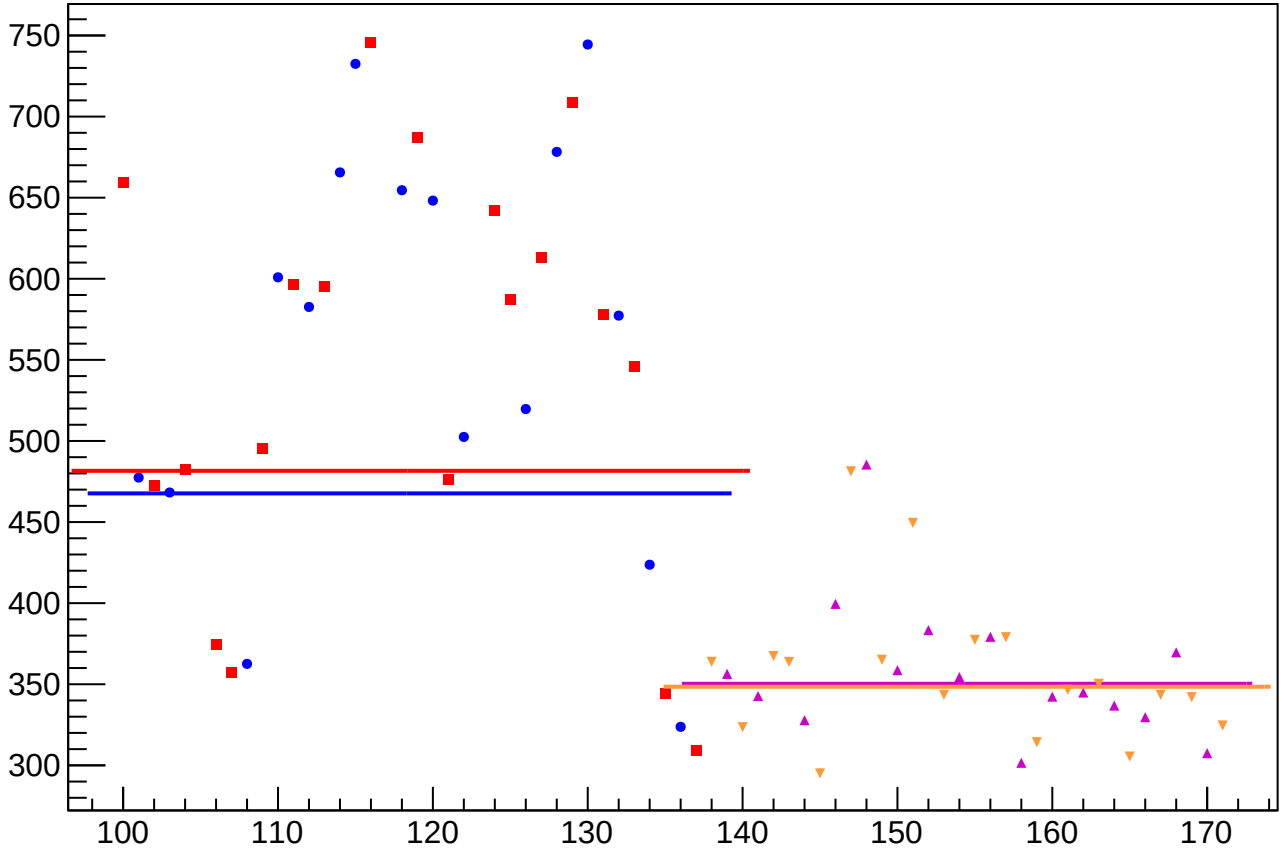
Left In: 10.472+/-97.155 χ^2/NDF:29.6/15

+ sign -152.394+/-82.720 χ^2/NDF: 40.8/33

All: -71.302+/-59.505 χ^2/NDF: 87.8/68

- sign 15.662+/-85.662 χ^2/NDF: 45.0/34

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 348.472+/-0.066 χ^2/NDF:357259.4/17

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

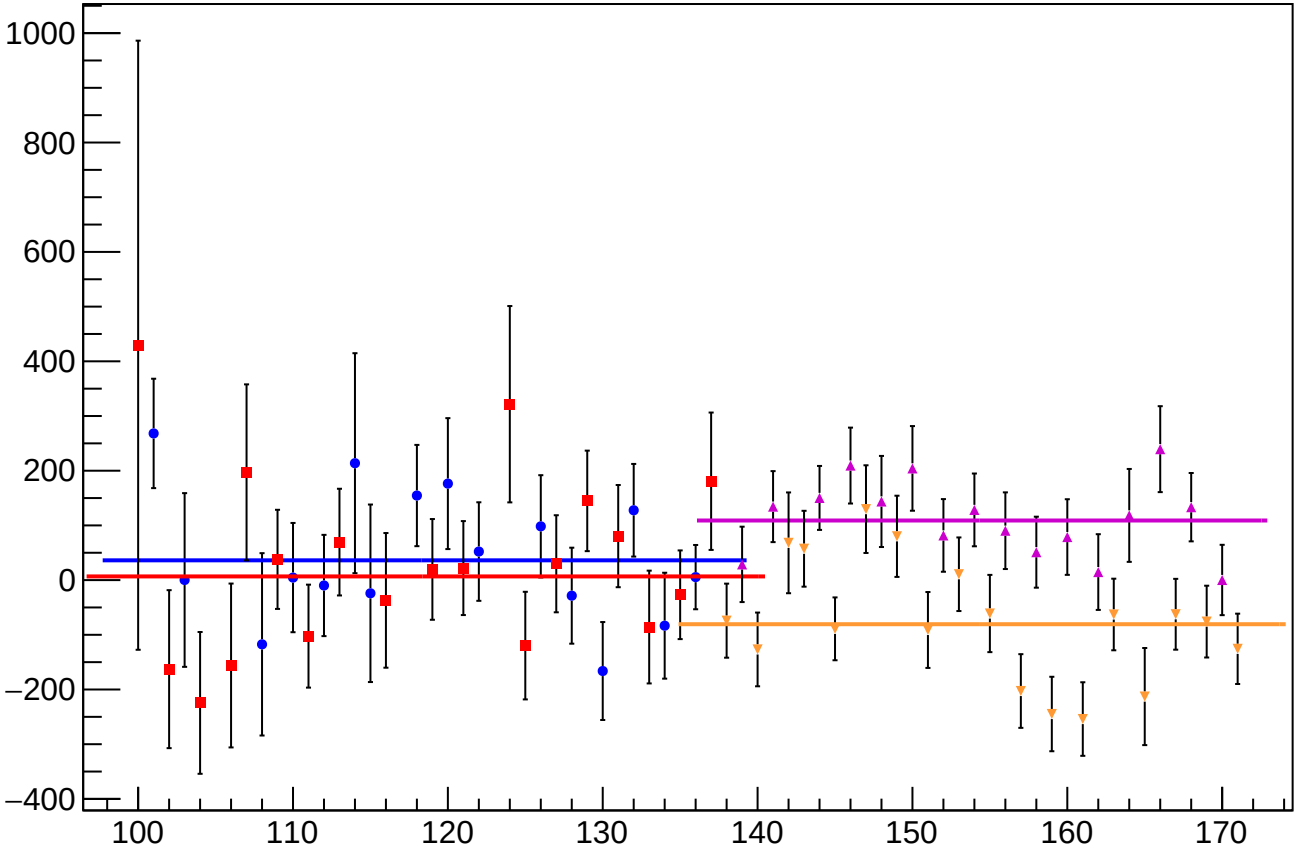
Left In: 350.291+/-0.069 χ^2/NDF:277531.5/15

\+ sign 373.553+/-0.058 χ^2/NDF: 2033198.2/33

All: 376.432+/-0.042 χ^2/NDF: 3983268.9/68

\- sign 379.520+/-0.061 χ^2/NDF: 1945048.5/34

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -80.639+/-16.300 χ^2/NDF:39.2/17

Right Out: 6.735+/-24.565 χ^2/NDF: 20.3/18

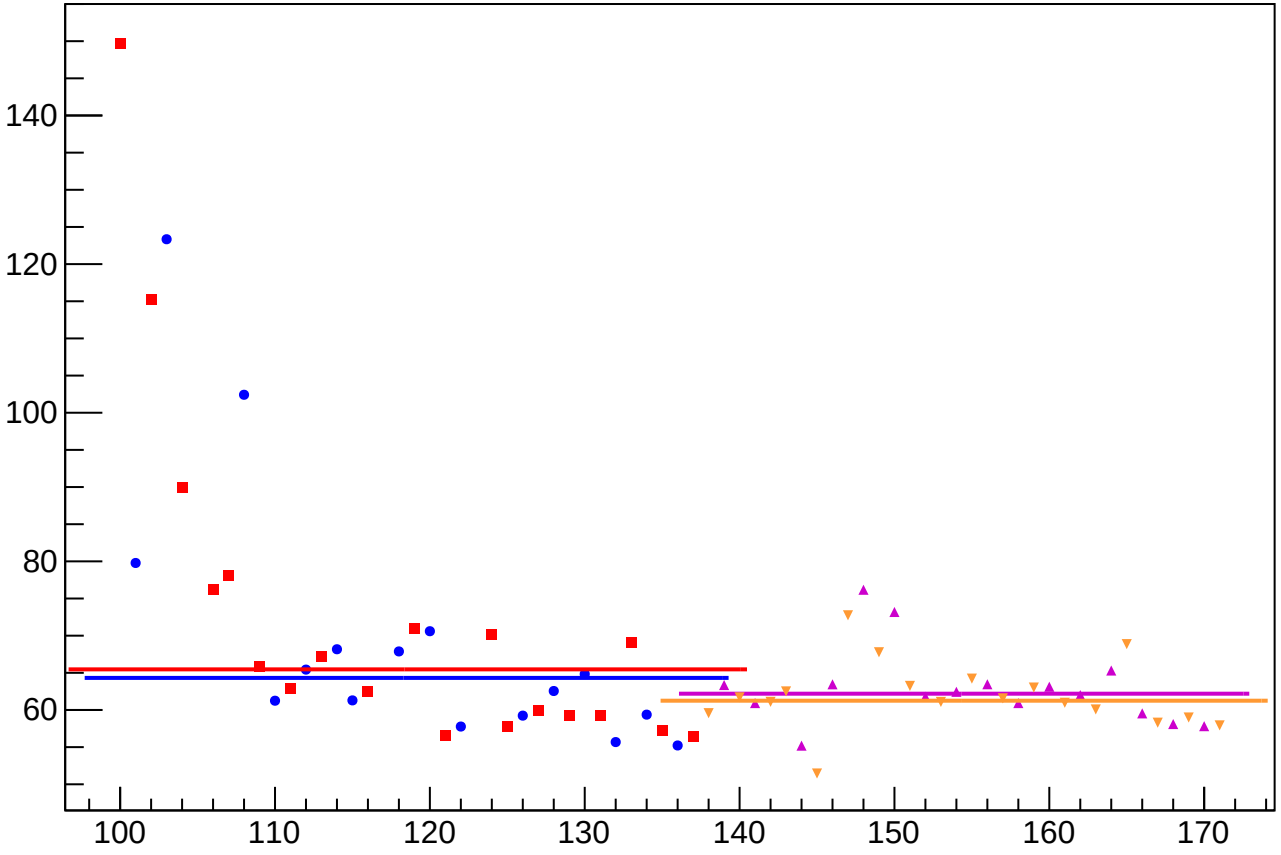
Left In: 108.969+/-17.227 χ^2/NDF:14.7/15

+ sign -44.746+/-13.566 χ^2/NDF: 74.6/33

All: 12.926+/-9.777 χ^2/NDF: 158.9/68

- sign 75.267+/-14.104 χ^2/NDF: 46.7/34

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.249+/-0.012 χ^2/NDF:150540.7/17

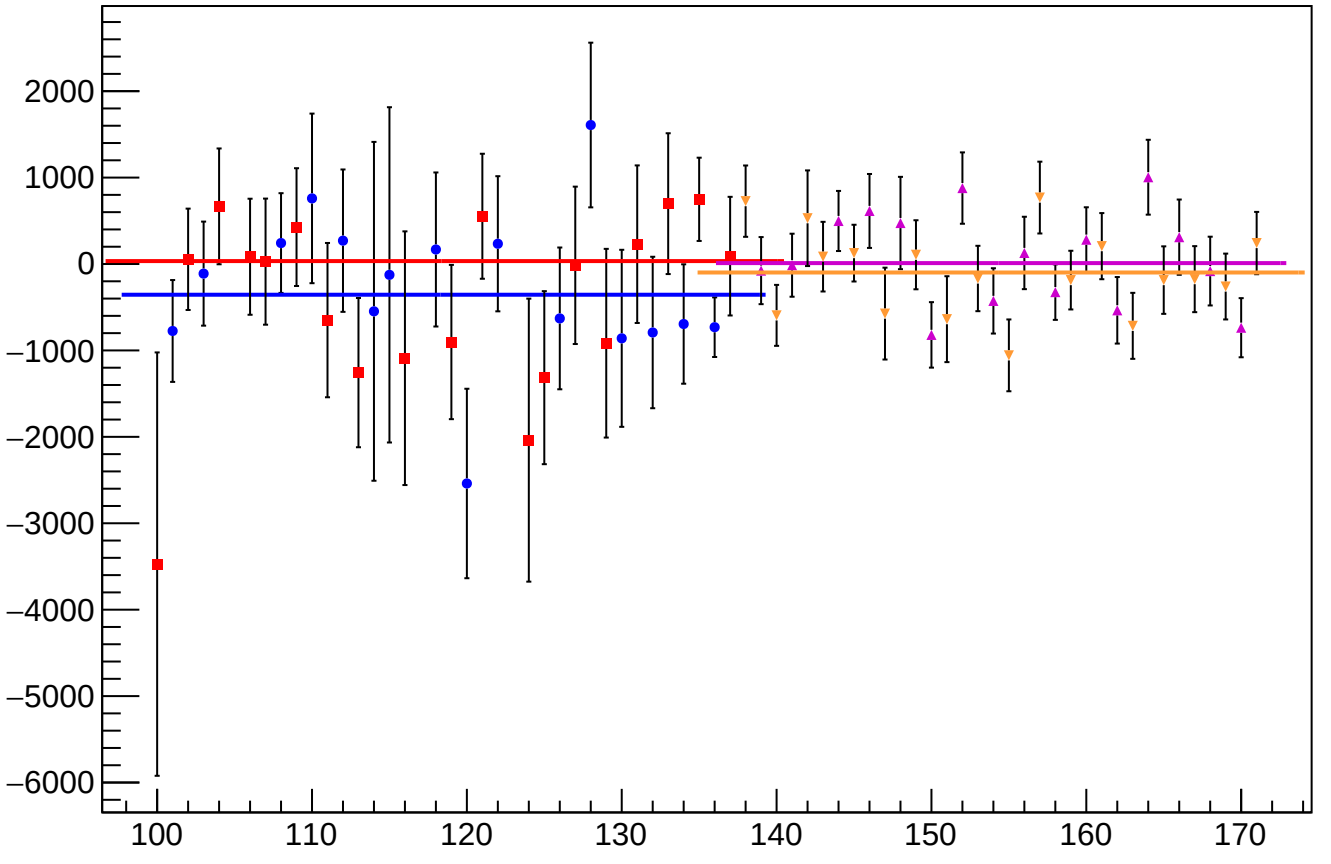
Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.192+/-0.012 χ^2/NDF:152056.3/15

+ sign 62.191+/-0.010 χ^2/NDF: 704383.2/33

All: 62.710+/-0.007 χ^2/NDF: 1368713.0/68

- sign 63.271+/-0.010 χ^2/NDF: 658239.5/34



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -98.264+/-93.091 χ^2/NDF:24.4/17

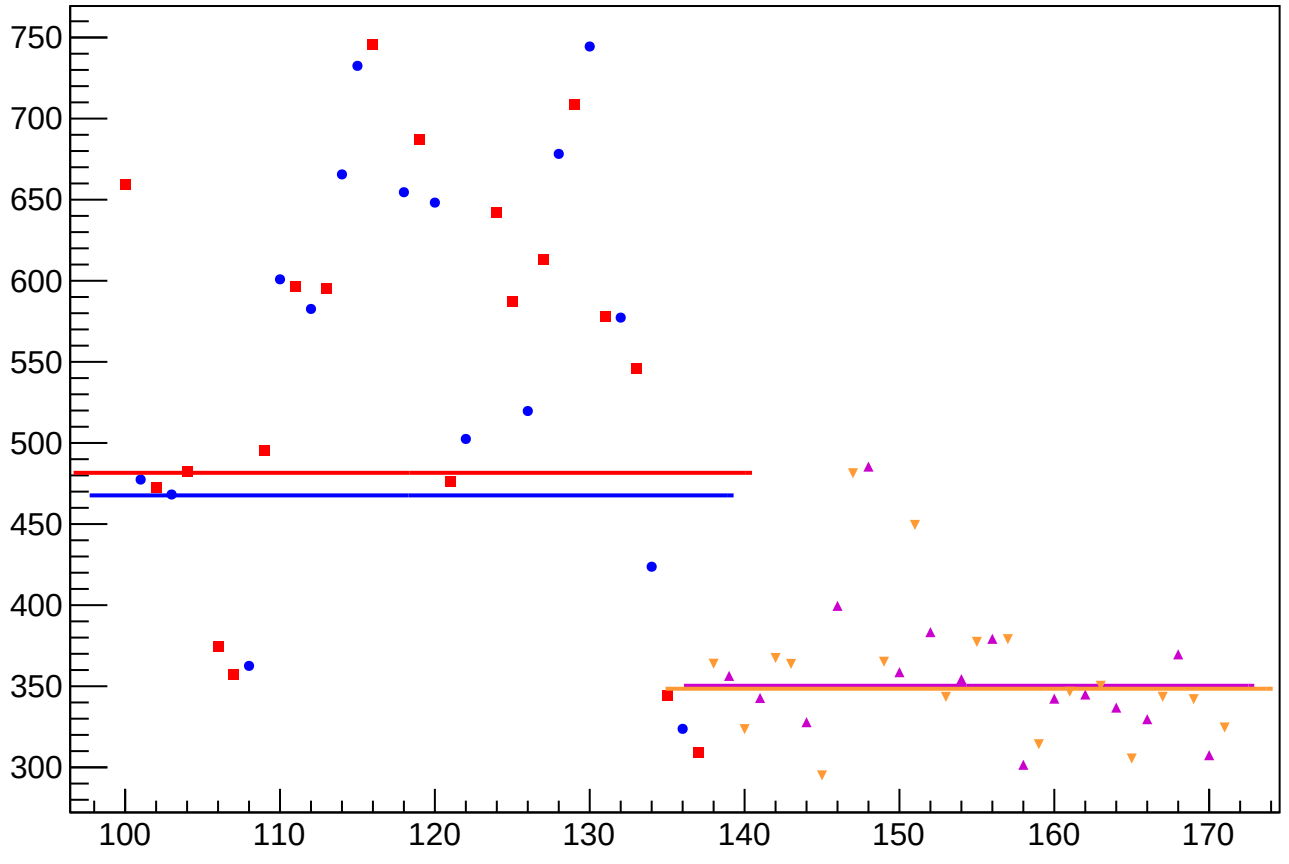
Right Out: 33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 10.472+/-97.155 χ^2/NDF:29.6/15

+ sign -152.394+/-82.720 χ^2/NDF: 40.8/33

All: -71.301+/-59.505 χ^2/NDF: 87.8/68

- sign 15.662+/-85.662 χ^2/NDF: 45.0/34



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 348.472+/-0.066 χ^2/NDF:357259.1/17

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

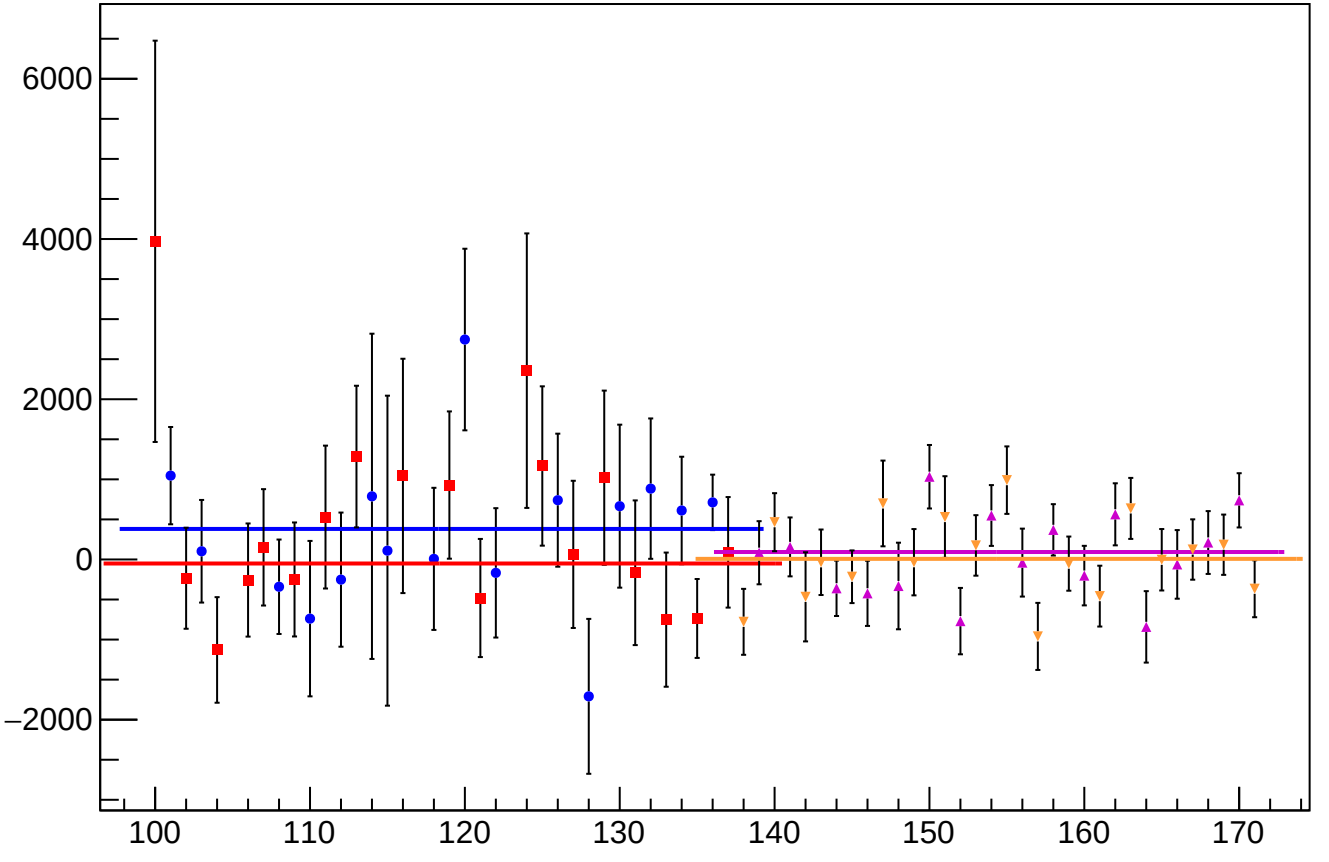
Left In: 350.291+/-0.069 χ^2/NDF:277532.7/15

+ sign 373.553+/-0.058 χ^2/NDF: 2033192.8/33

All: 376.432+/-0.042 χ^2/NDF: 3983256.0/68

- sign 379.520+/-0.061 χ^2/NDF: 1945041.0/34

asym_sam_13_57_dd_mean vs Slug



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 7.540+/-93.279 χ^2/NDF:25.8/17

Right Out: -50.392+/-185.262 χ^2/NDF: 17.5/18

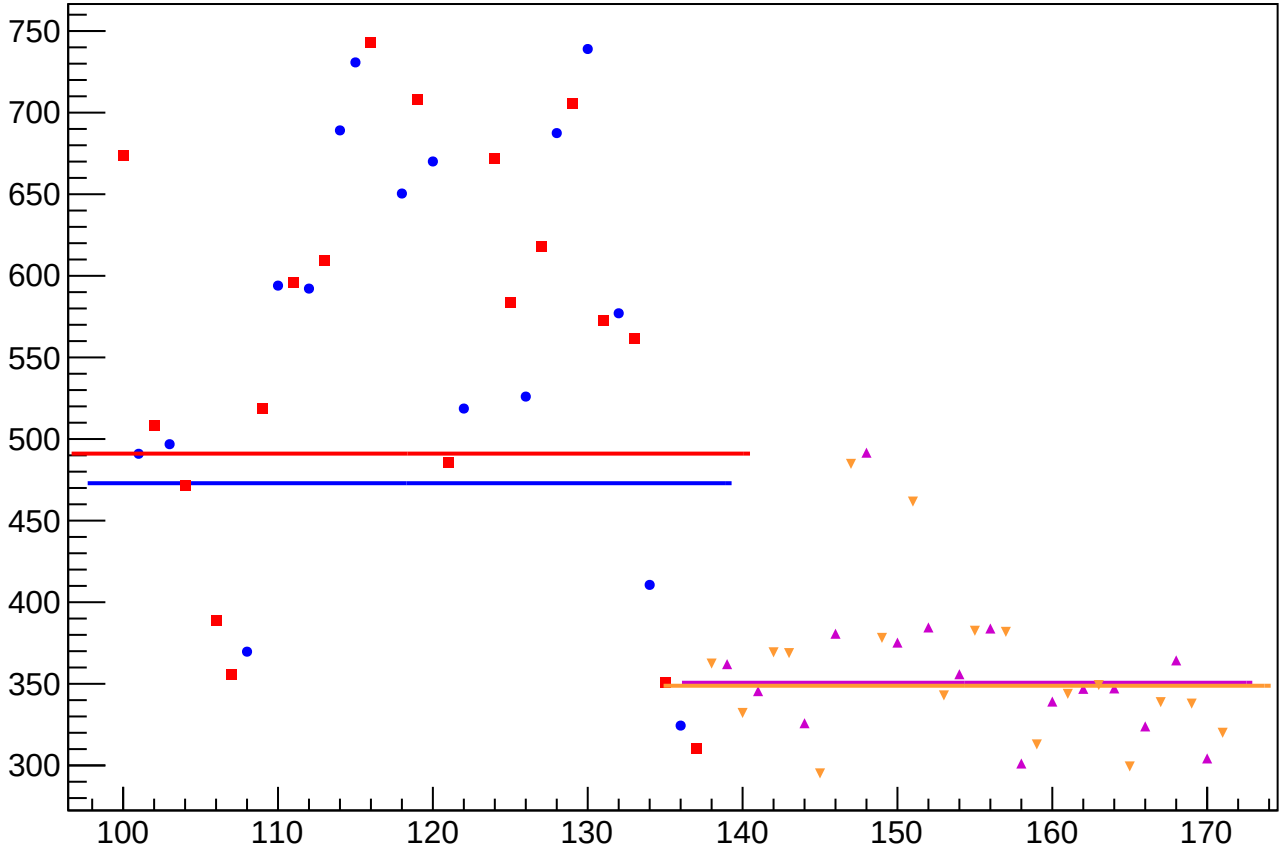
Left In: 93.025+/-97.284 χ^2/NDF:26.5/15

+ sign 84.808+/-83.073 χ^2/NDF: 45.3/33

All: 73.829+/-59.793 χ^2/NDF: 89.8/68

- sign 62.026+/-86.131 χ^2/NDF: 44.5/34

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 348.821+/-0.066 χ^2/NDF:402754.4/17

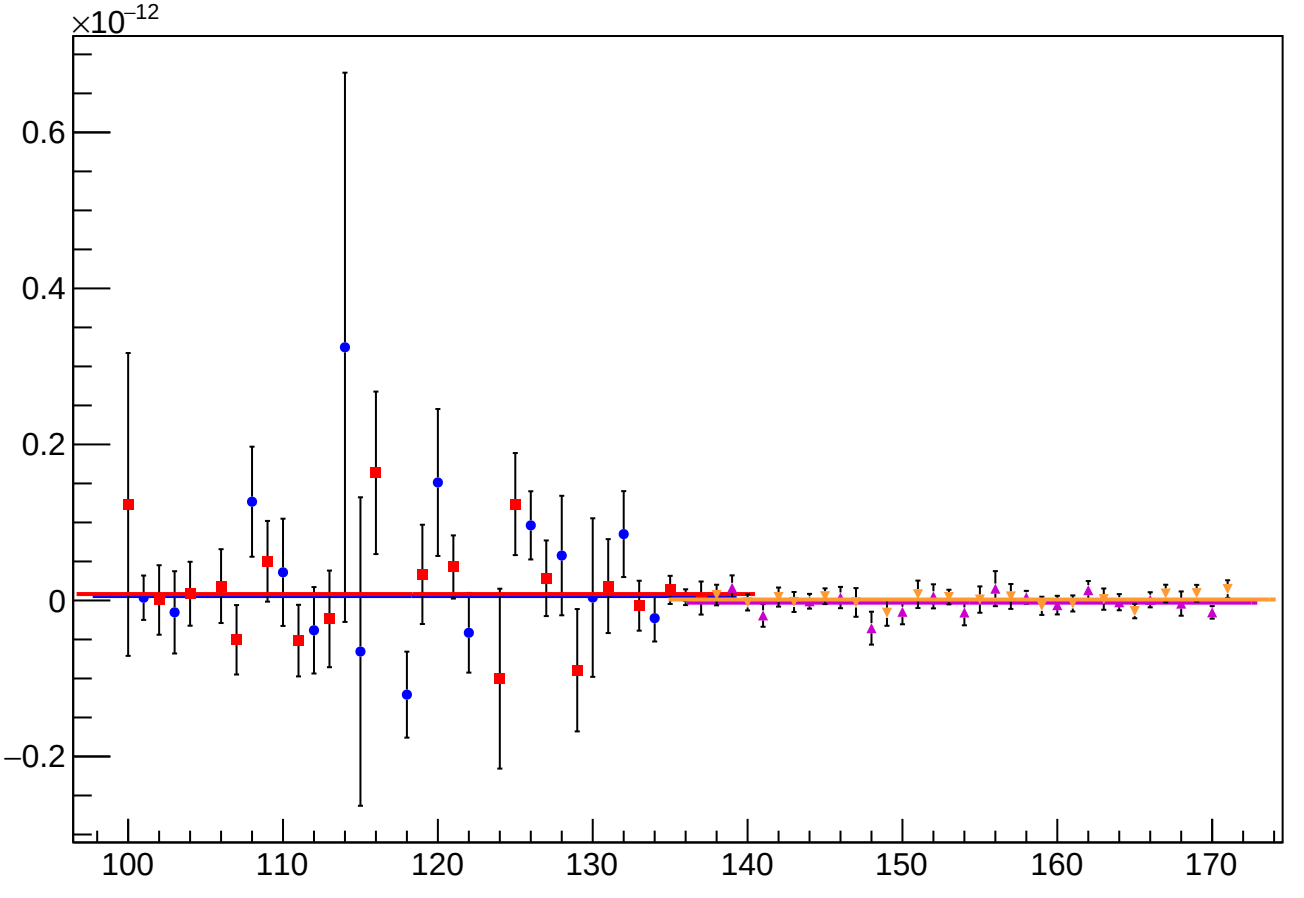
Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 350.659+/-0.069 χ^2/NDF:290597.3/15

+ sign 374.492+/-0.059 χ^2/NDF: 2135327.6/33

All: 377.631+/-0.042 χ^2/NDF: 4179781.2/68

- sign 381.007+/-0.061 χ^2/NDF: 2038525.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/18

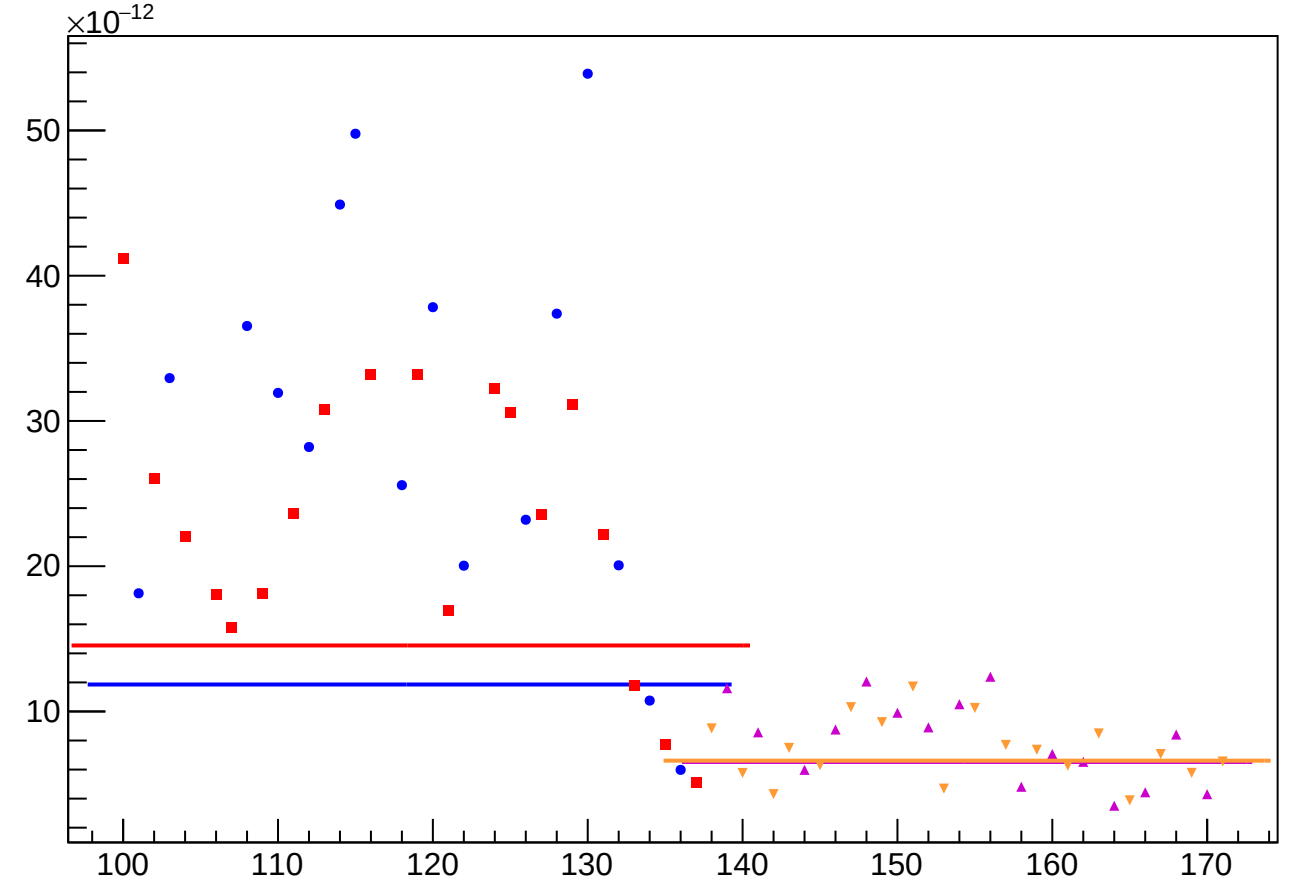
Left In: -0.000+/-0.000 χ^2/NDF:12.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 29.1/33

All: 0.000+/-0.000 χ^2/NDF: 57.7/68

- sign -0.000+/-0.000 χ^2/NDF: 27.8/34

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:875897.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

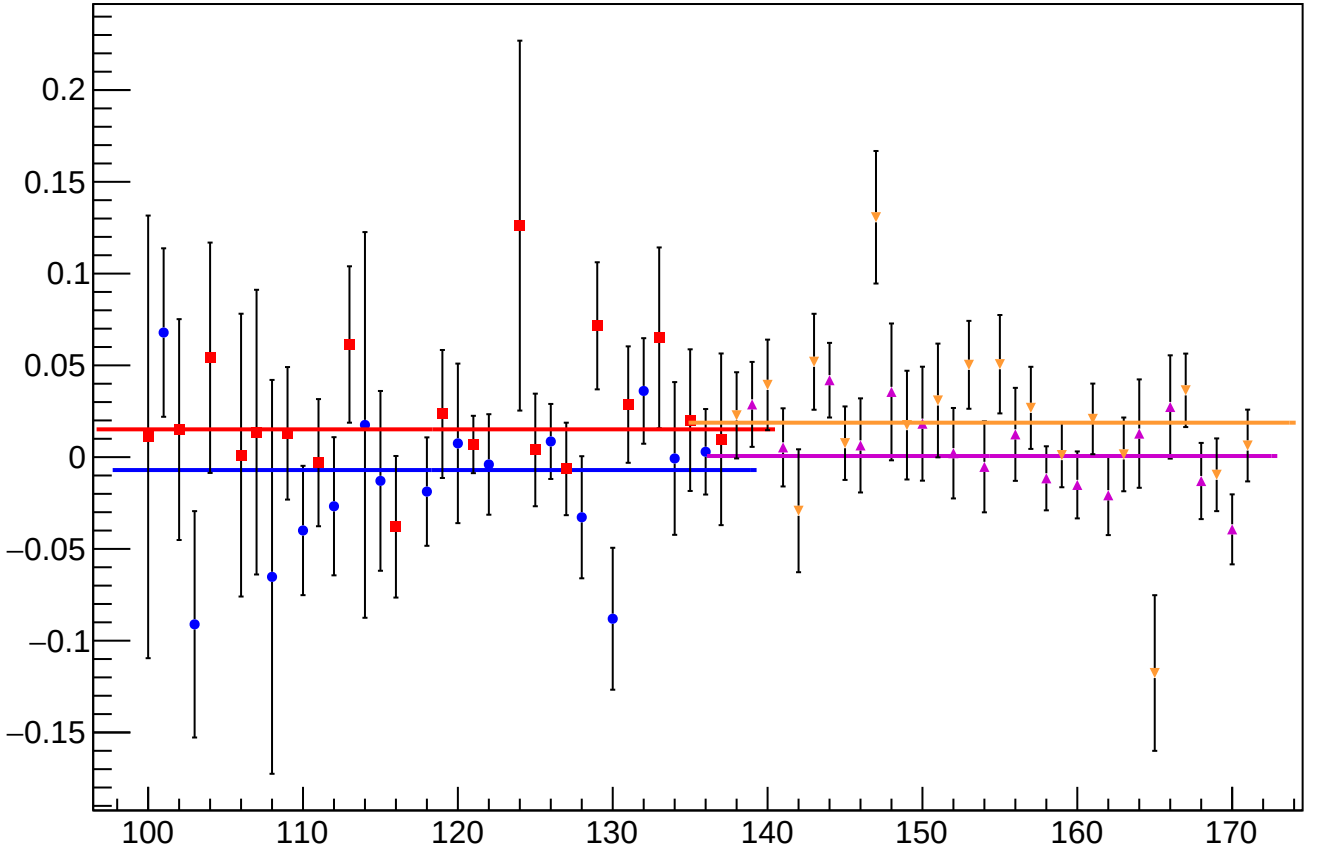
Left In: 0.000+/-0.000 χ^2/NDF:1358805.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 4470139.9/33

All: 0.000+/-0.000 χ^2/NDF: 8947740.7/68

- sign 0.000+/-0.000 χ^2/NDF: 4476114.6/34

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

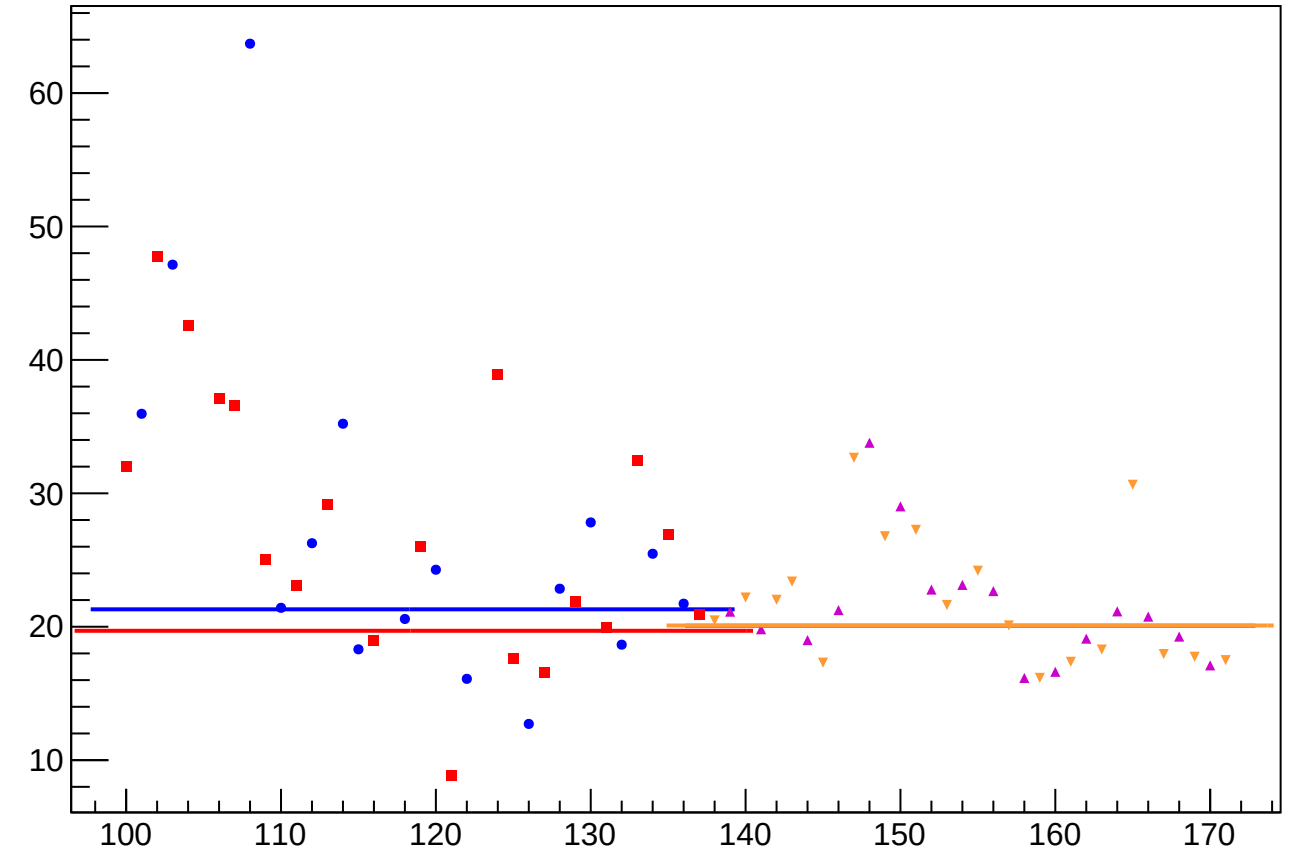
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.006 χ^2/NDF:15.3/15

+ sign 0.011+/-0.005 χ^2/NDF: 53.8/33

All: 0.008+/-0.003 χ^2/NDF: 82.1/68

- sign 0.005+/-0.005 χ^2/NDF: 27.5/34



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.093+/-0.004 χ^2/NDF:965254.3/17

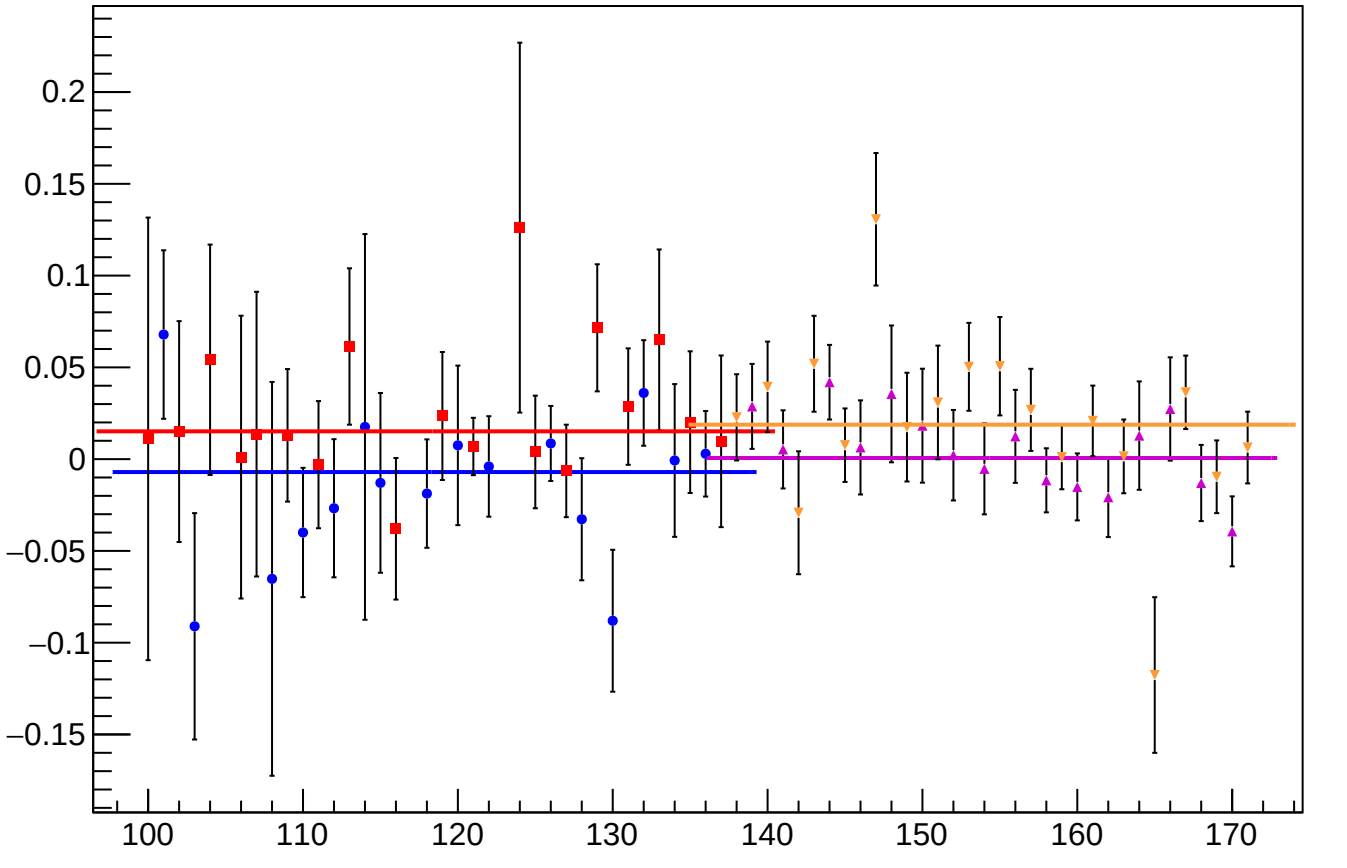
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.075+/-0.004 χ^2/NDF:758537.9/15

+ sign 20.444+/-0.003 χ^2/NDF: 2472737.3/33

All: 20.201+/-0.002 χ^2/NDF: 5684215.8/68

- sign 19.952+/-0.003 χ^2/NDF: 3200366.8/34



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

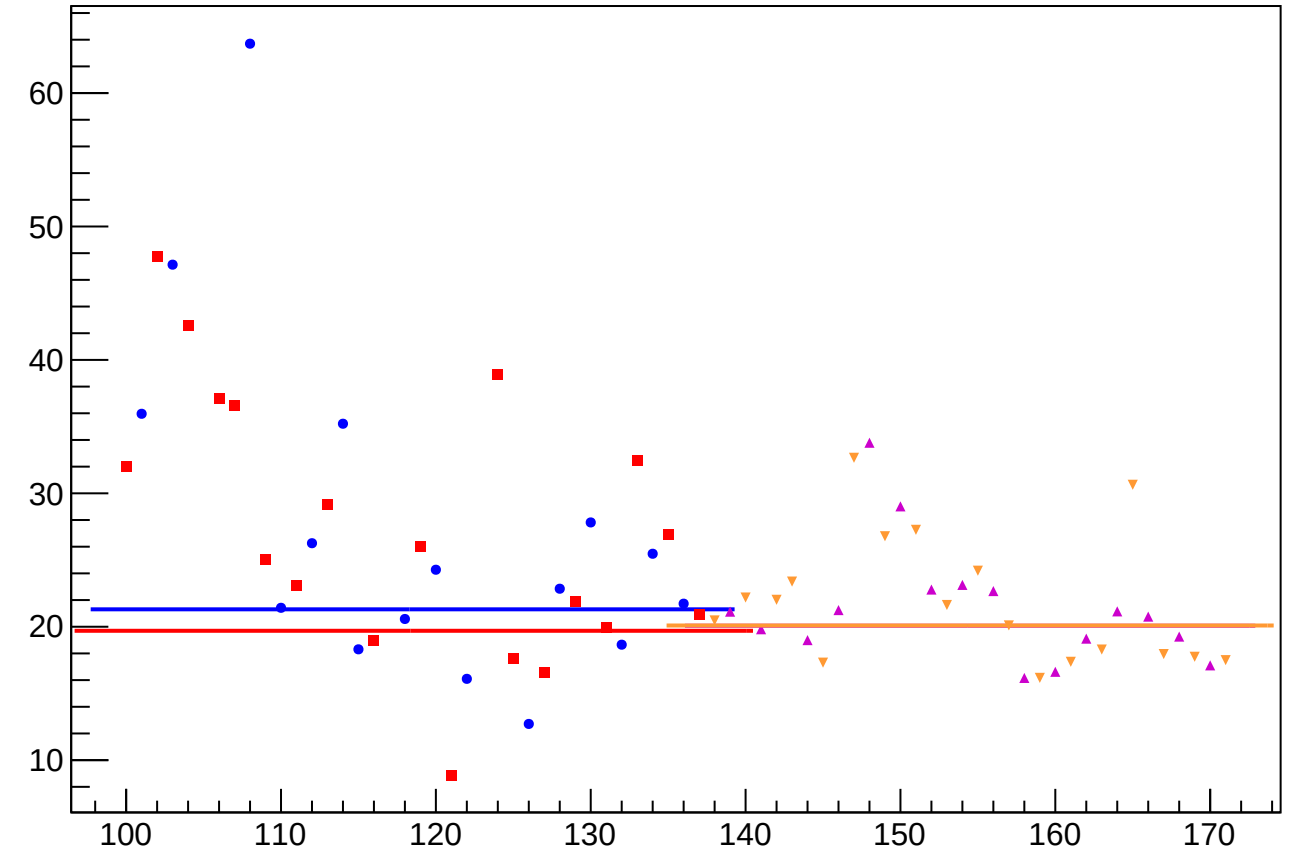
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.006 χ^2/NDF:15.3/15

+ sign 0.011+/-0.005 χ^2/NDF: 53.8/33

All: 0.008+/-0.003 χ^2/NDF: 82.1/68

- sign 0.005+/-0.005 χ^2/NDF: 27.5/34



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.093+/-0.004 χ^2/NDF:965254.3/17

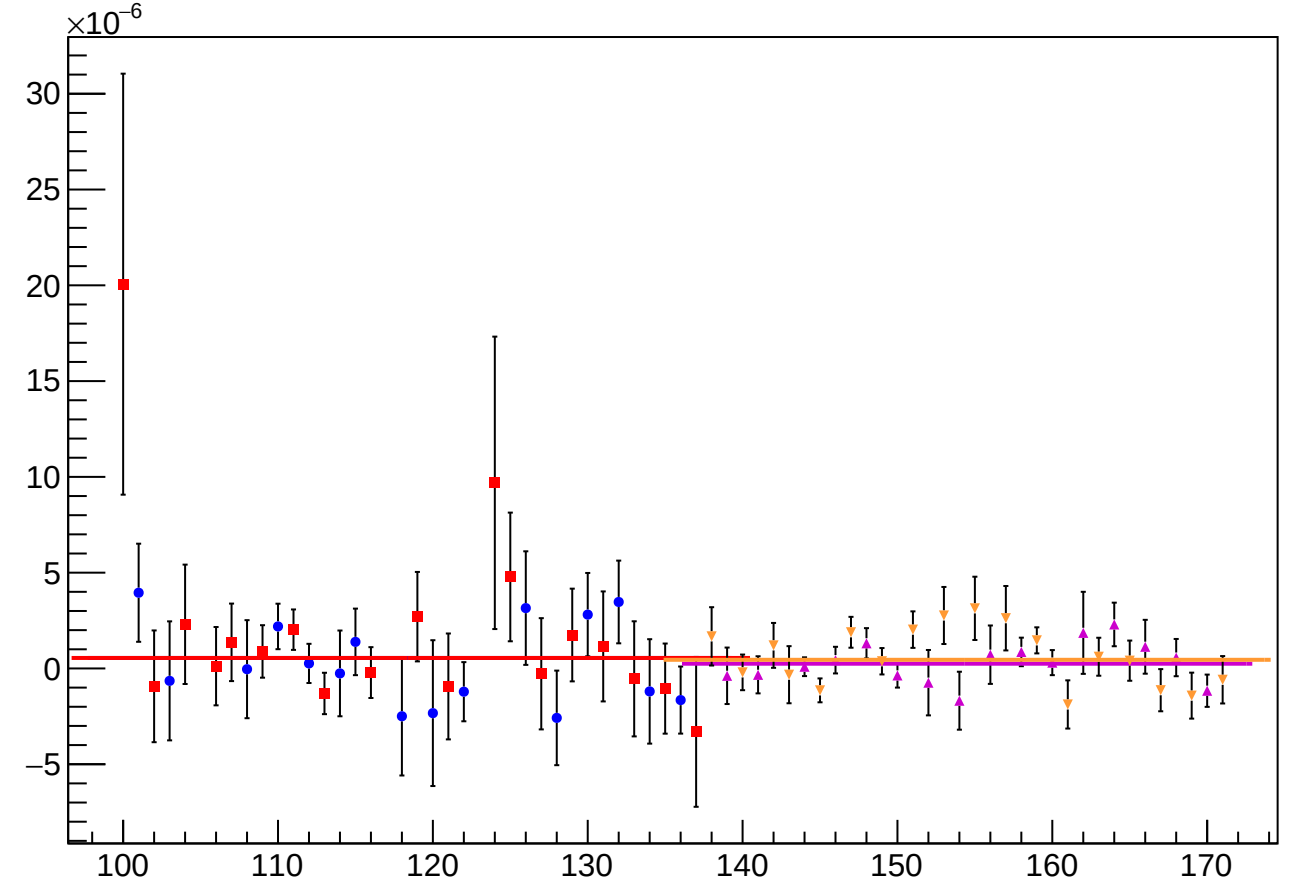
Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.075+/-0.004 χ^2/NDF:758537.9/15

+ sign 20.444+/-0.003 χ^2/NDF: 2472737.3/33

All: 20.201+/-0.002 χ^2/NDF: 5684215.8/68

- sign 19.952+/-0.003 χ^2/NDF: 3200366.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/17

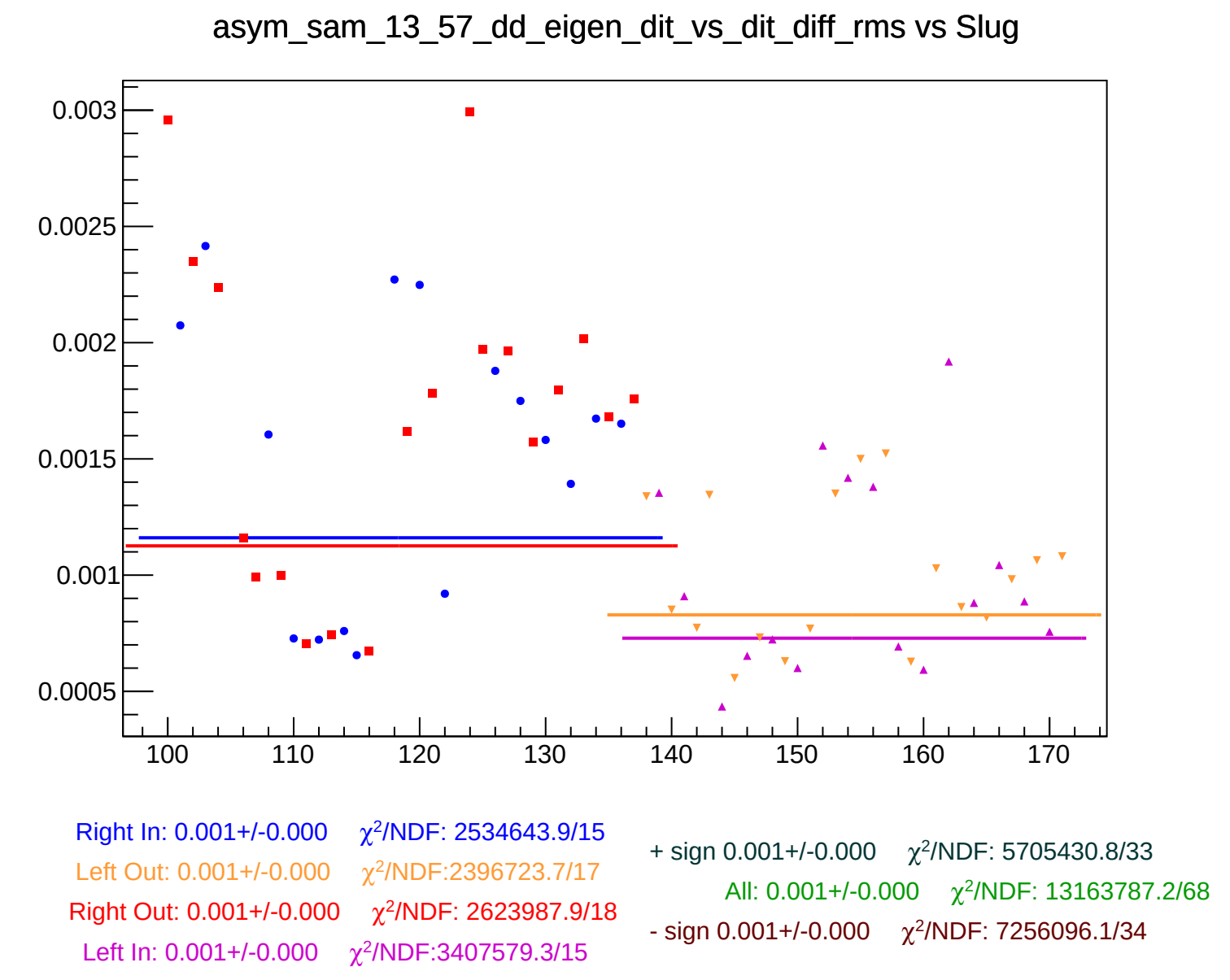
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/18

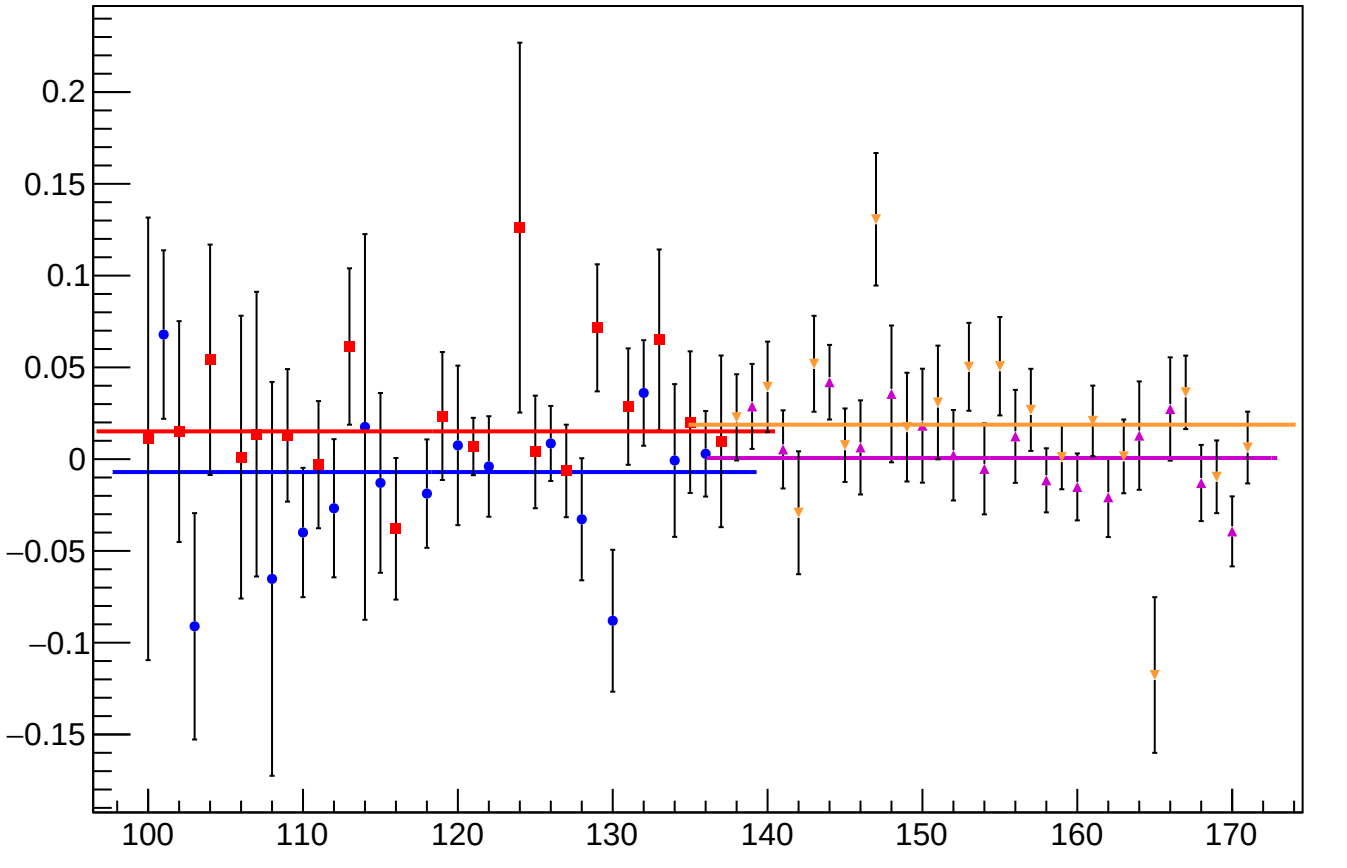
Left In: 0.000+/-0.000 χ^2/NDF:13.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/33

All: 0.000+/-0.000 χ^2/NDF: 75.8/68

- sign 0.000+/-0.000 χ^2/NDF: 29.0/34


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
170
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2396723.7/17
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3407579.3/15
+ sign 0.001+/-0.000 χ²/NDF: 5705430.8/33
All: 0.001+/-0.000 χ²/NDF: 13163787.2/68
- sign 0.001+/-0.000 χ²/NDF: 7256096.1/34



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

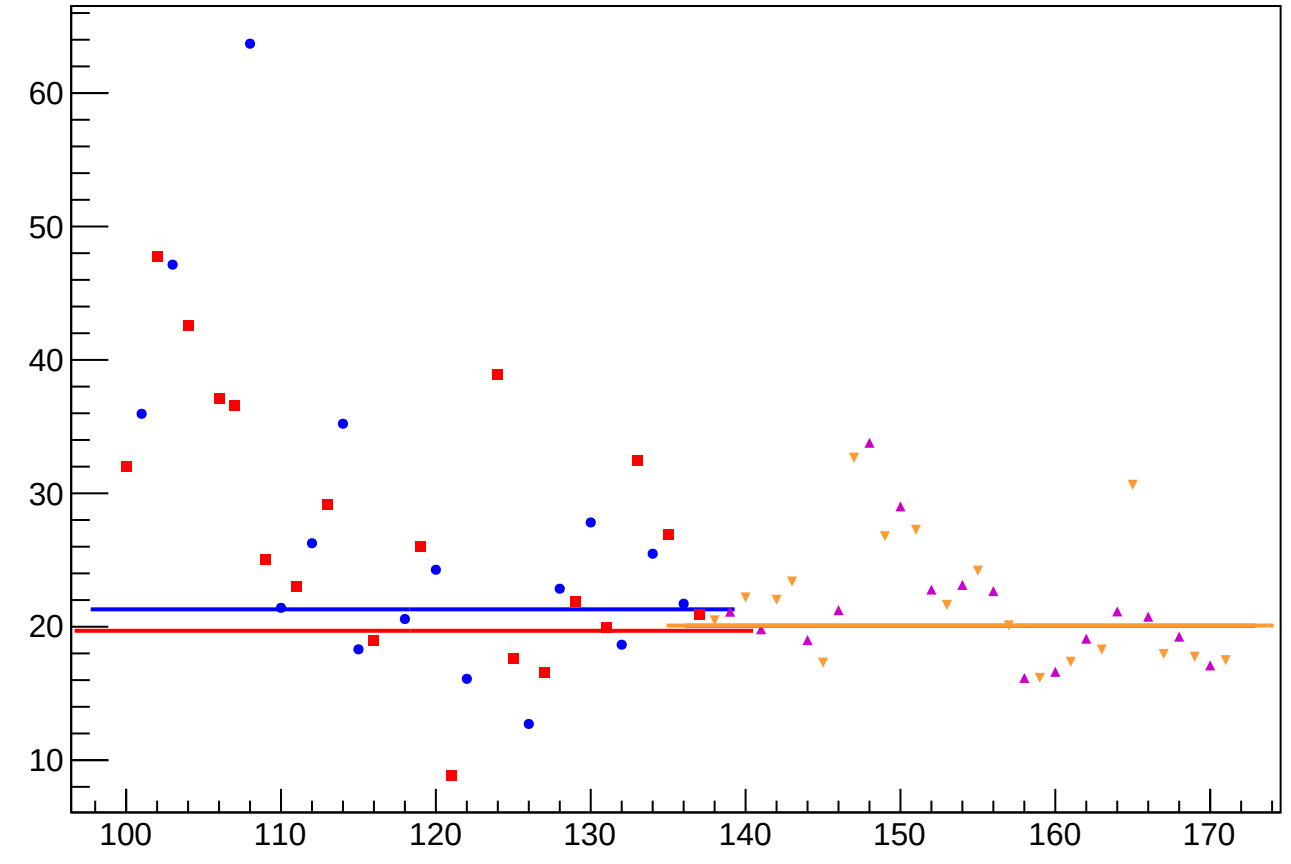
Right Out: 0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: 0.001+/-0.006 χ^2/NDF:15.3/15

+ sign 0.011+/-0.005 χ^2/NDF: 53.8/33

All: 0.008+/-0.003 χ^2/NDF: 82.1/68

- sign 0.005+/-0.005 χ^2/NDF: 27.5/34



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.093+/-0.004 χ^2/NDF:965401.4/17

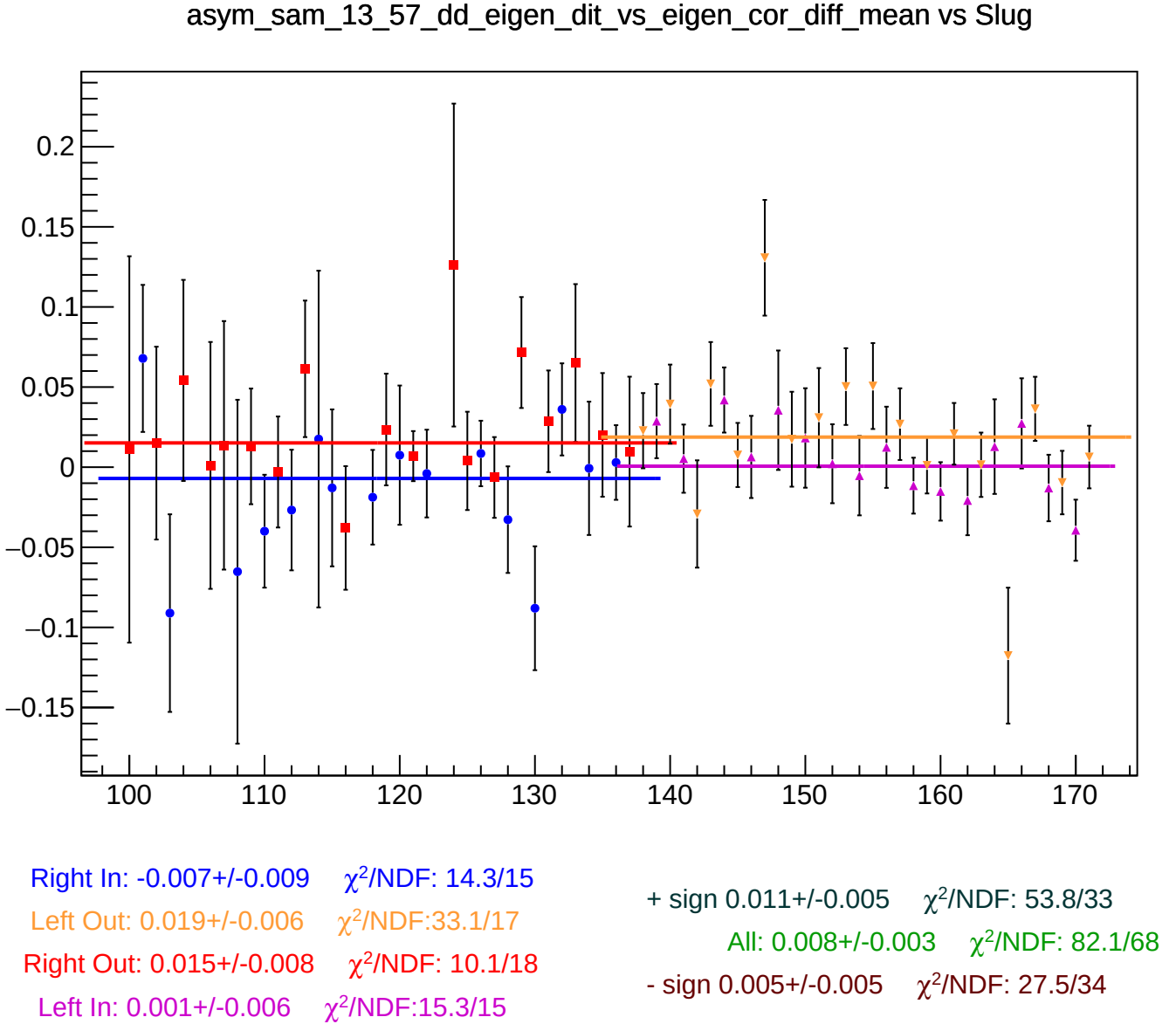
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

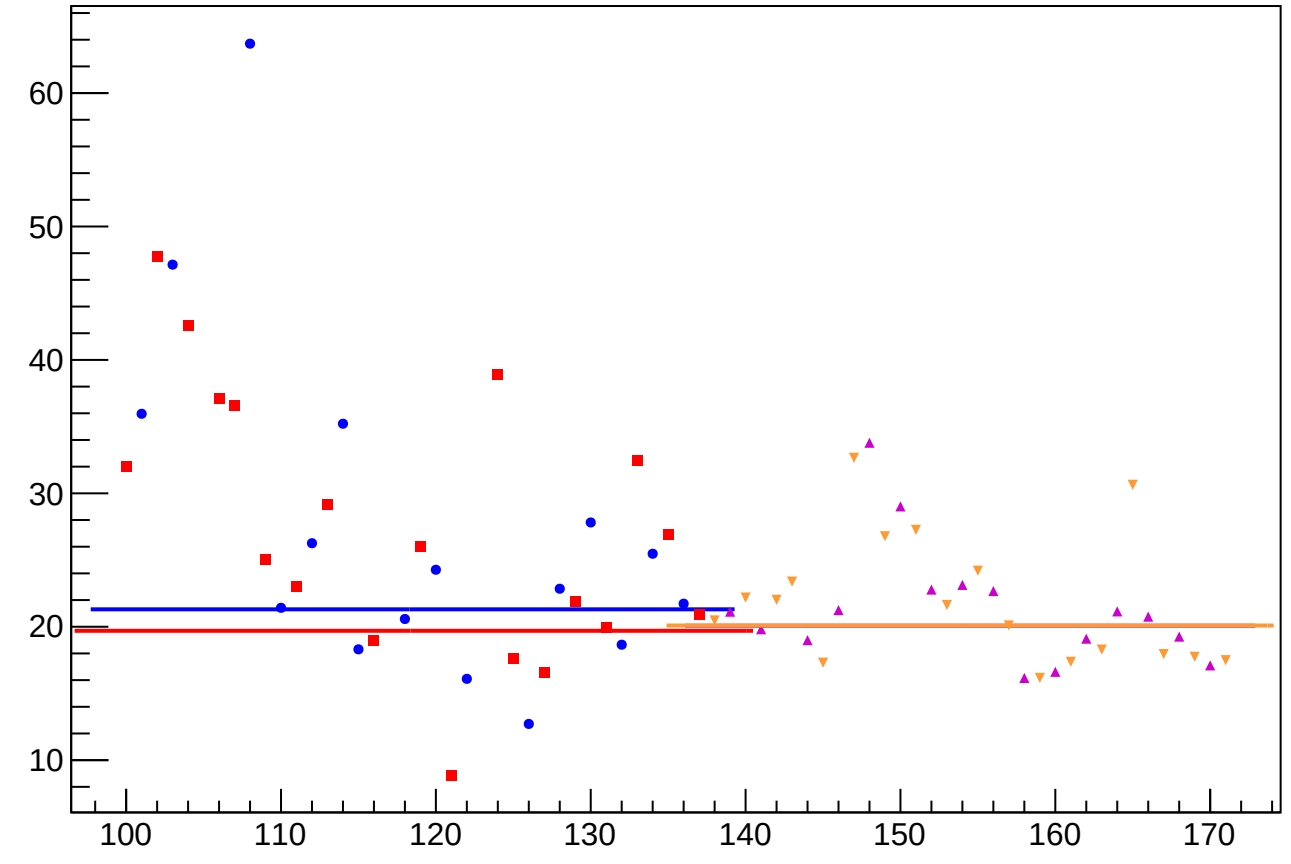
Left In: 20.075+/-0.004 χ^2/NDF:758643.1/15

+ sign 20.444+/-0.003 χ^2/NDF: 2472735.9/33

All: 20.201+/-0.002 χ^2/NDF: 5683934.5/68

- sign 19.952+/-0.003 χ^2/NDF: 3200094.1/34


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
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.006 χ²/NDF:33.1/17
Right Out: 0.015+/-0.008 χ²/NDF: 10.1/18
Left In: 0.001+/-0.006 χ²/NDF:15.3/15
+ sign 0.011+/-0.005 χ²/NDF: 53.8/33
All: 0.008+/-0.003 χ²/NDF: 82.1/68
- sign 0.005+/-0.005 χ²/NDF: 27.5/34



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.093+/-0.004 χ^2/NDF:965401.4/17

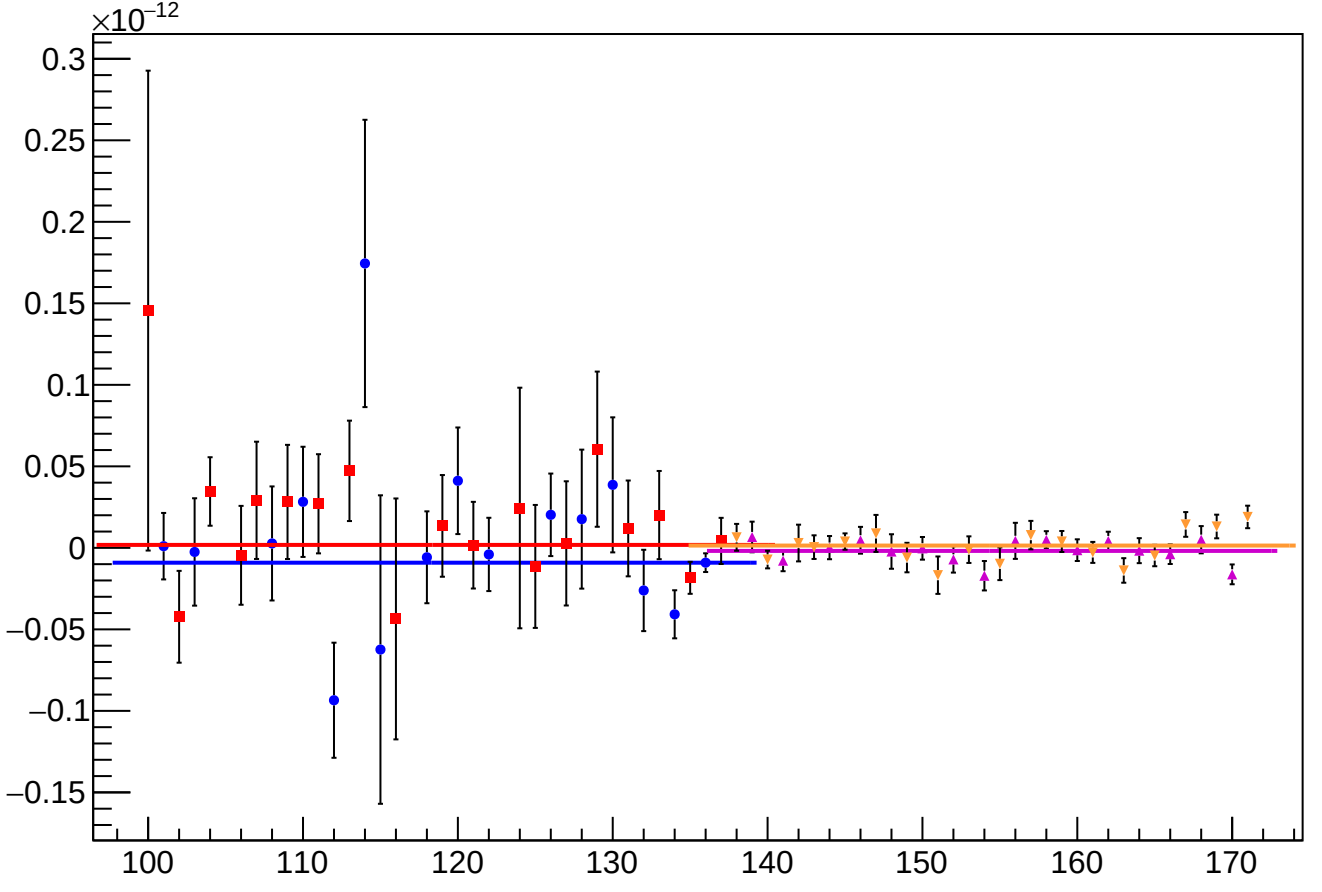
Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.075+/-0.004 χ^2/NDF:758643.1/15

+ sign 20.444+/-0.003 χ^2/NDF: 2472735.9/33

All: 20.201+/-0.002 χ^2/NDF: 5683934.5/68

- sign 19.952+/-0.003 χ^2/NDF: 3200094.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/17

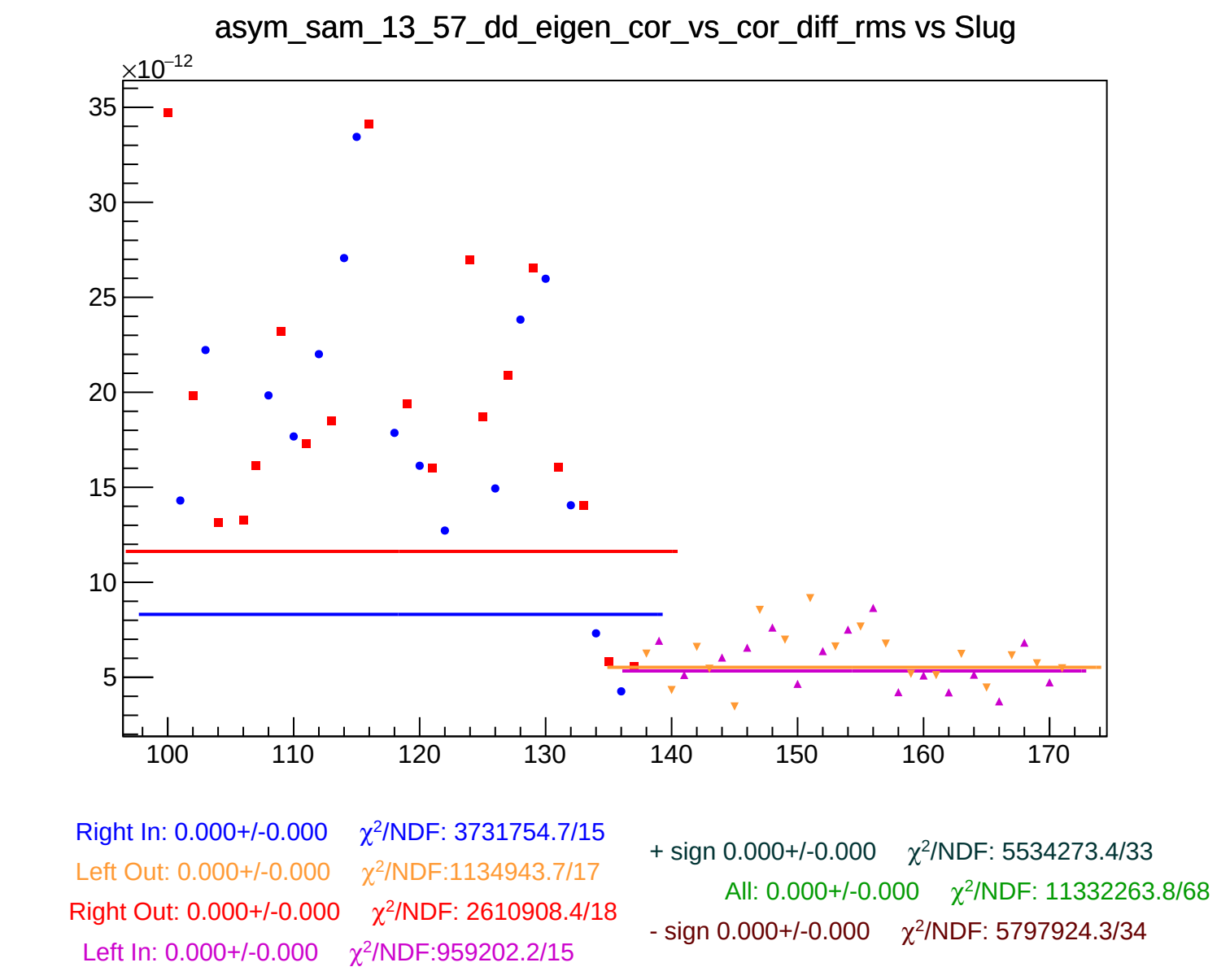
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/15

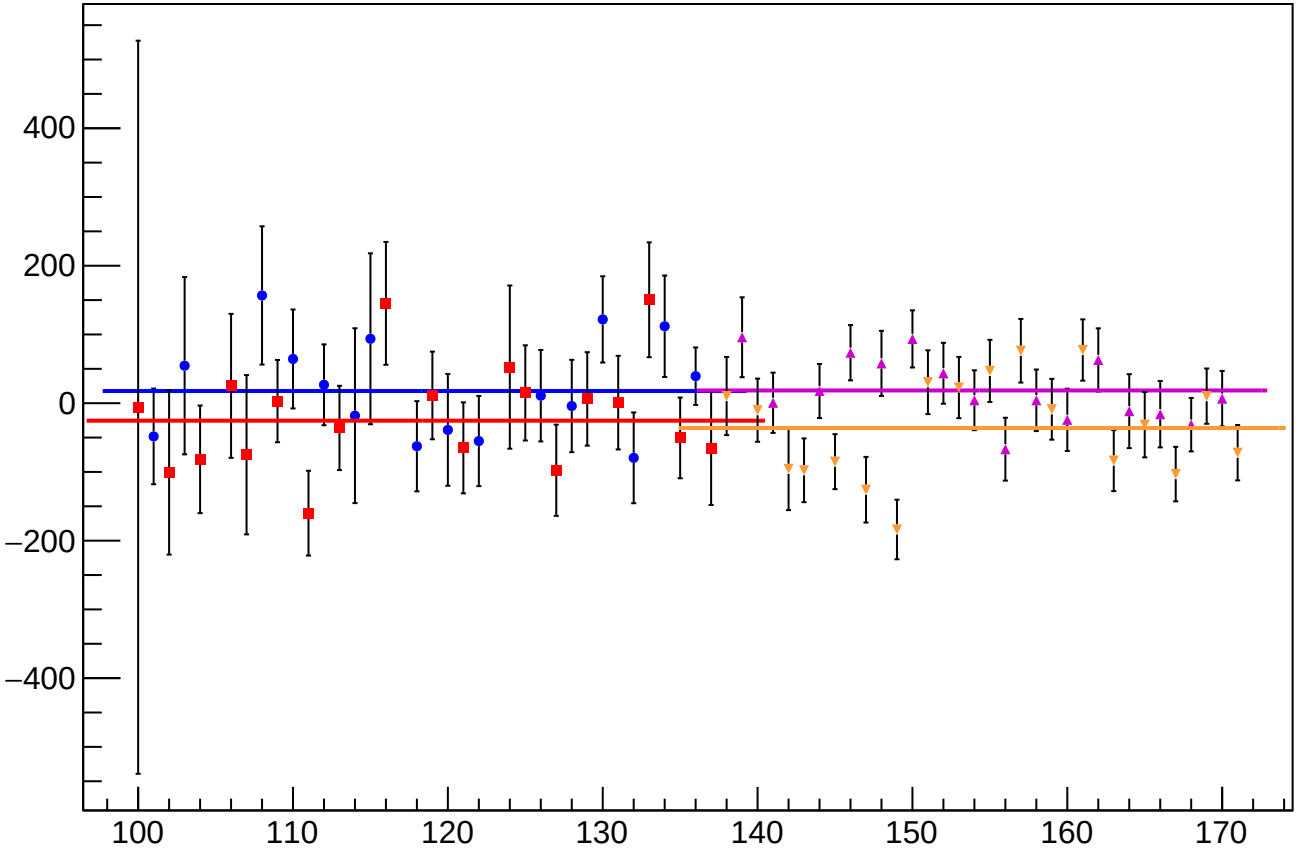
+ sign 0.000+/-0.000 χ^2/NDF: 53.5/33

All: -0.000+/-0.000 χ^2/NDF: 86.5/68

- sign -0.000+/-0.000 χ^2/NDF: 32.5/34


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1134943.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:959202.2/15
+ sign 0.000+/-0.000 χ²/NDF: 5534273.4/33
All: 0.000+/-0.000 χ²/NDF: 11332263.8/68
- sign 0.000+/-0.000 χ²/NDF: 5797924.3/34

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.139+/-10.612 χ^2/NDF:46.4/17

Right Out: -25.440+/-17.337 χ^2/NDF: 17.8/18

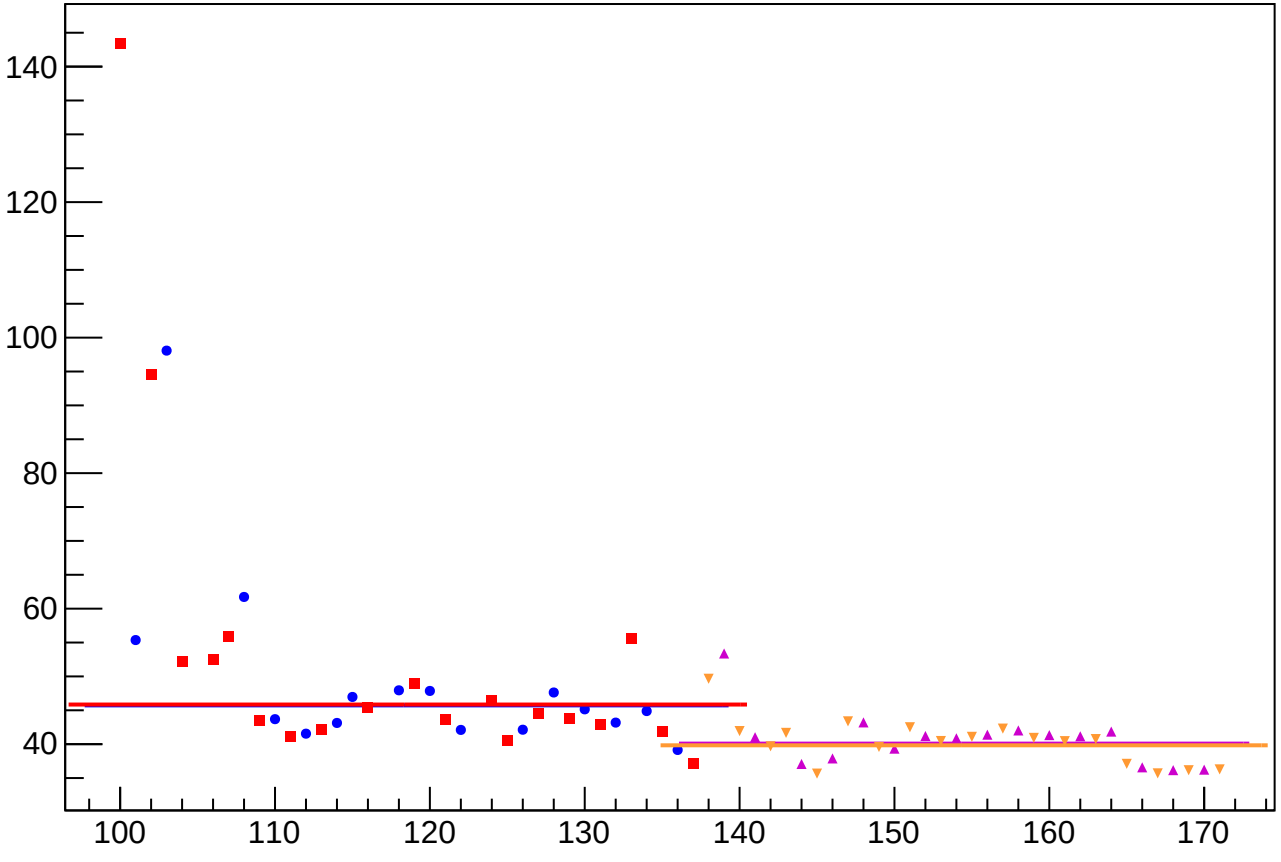
Left In: 18.545+/-11.088 χ^2/NDF:16.1/15

+ sign -21.628+/-9.070 χ^2/NDF: 67.3/33

All: -8.331+/-6.507 χ^2/NDF: 110.3/68

- sign 5.775+/-9.341 χ^2/NDF: 38.6/34

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

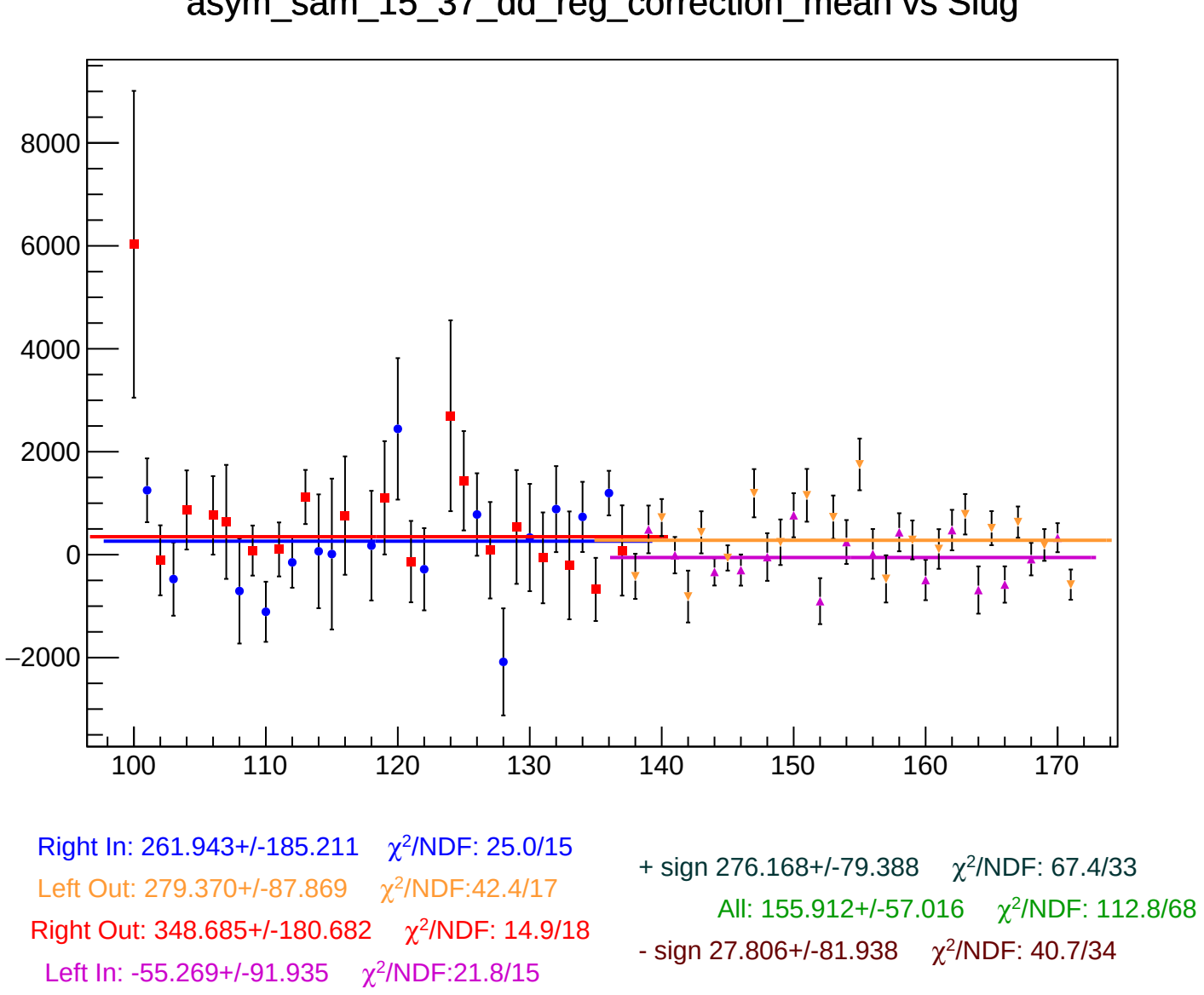
Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

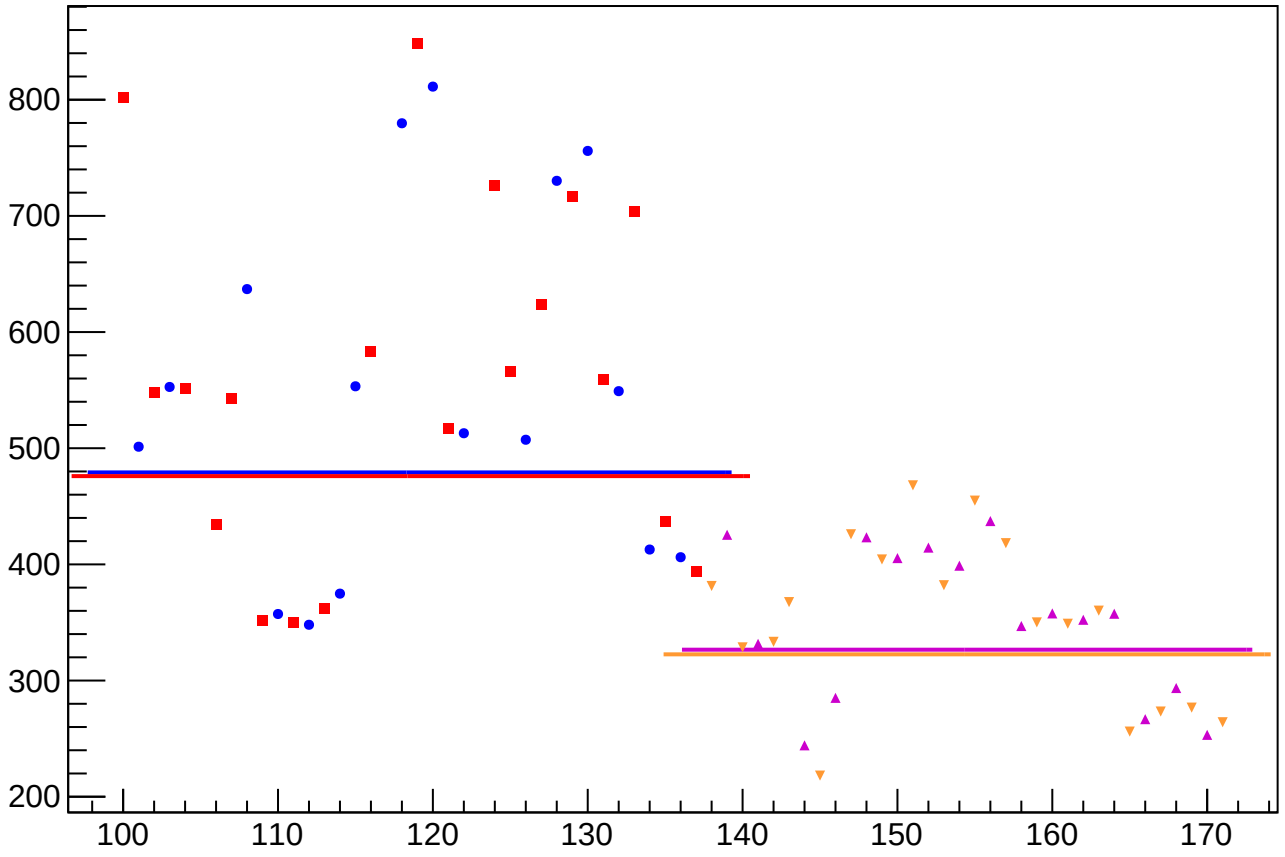
Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

+ sign 41.421+/-0.006 χ^2/NDF: 845000.8/33

All: 41.583+/-0.005 χ^2/NDF: 1737421.2/68

- sign 41.755+/-0.007 χ^2/NDF: 891100.2/34


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.943+/-185.211 χ²/NDF: 25.0/15
Left Out: 279.370+/-87.869 χ²/NDF:42.4/17
Right Out: 348.685+/-180.682 χ²/NDF: 14.9/18
Left In: -55.269+/-91.935 χ²/NDF:21.8/15
+ sign 276.168+/-79.388 χ²/NDF: 67.4/33
All: 155.912+/-57.016 χ²/NDF: 112.8/68
- sign 27.806+/-81.938 χ²/NDF: 40.7/34



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310461.1/17

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

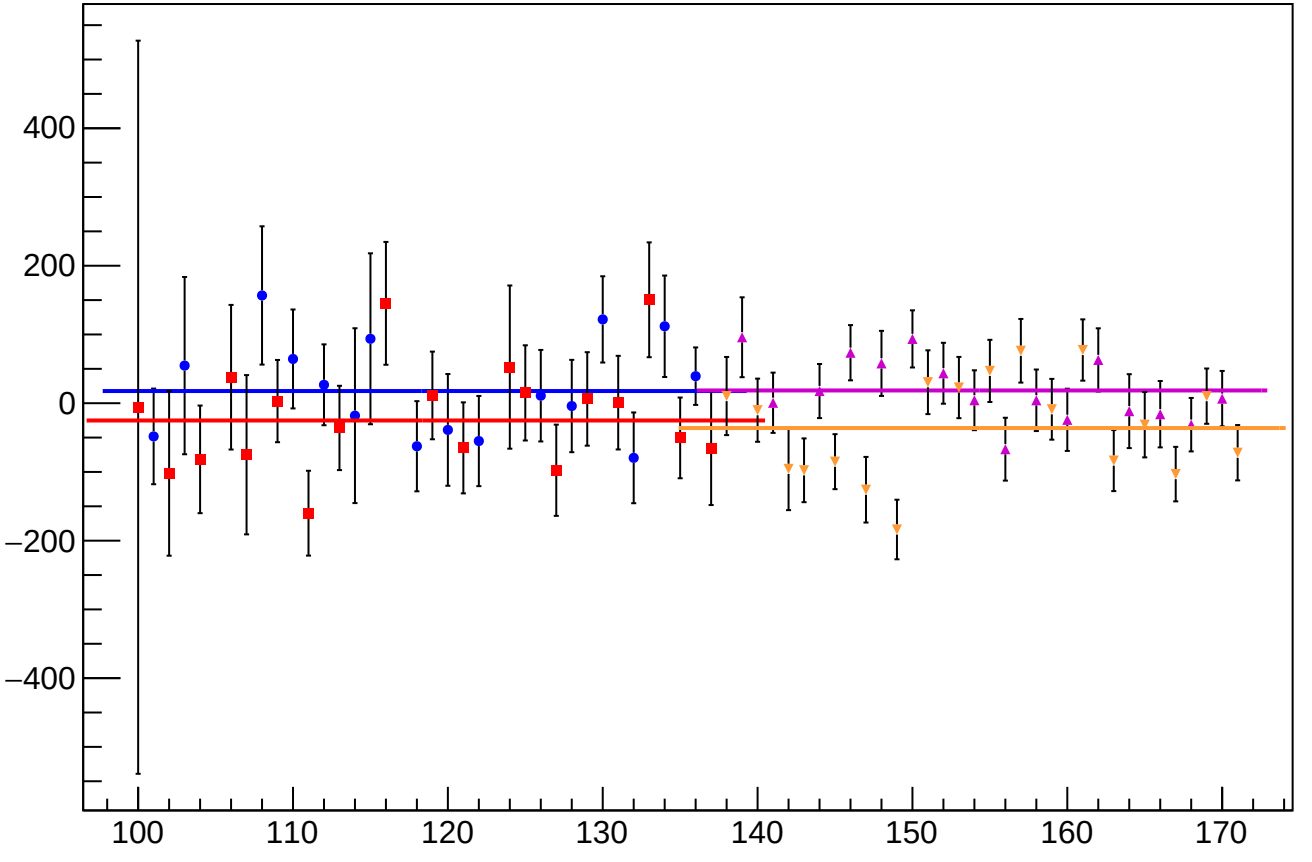
Left In: 326.568+/-0.065 χ^2/NDF:968131.1/15

+ sign 351.338+/-0.056 χ^2/NDF: 3430490.5/33

All: 354.224+/-0.040 χ^2/NDF: 6497114.8/68

- sign 357.298+/-0.058 χ^2/NDF: 3061165.9/34

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.140+/-10.612 χ^2/NDF:46.4/17

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

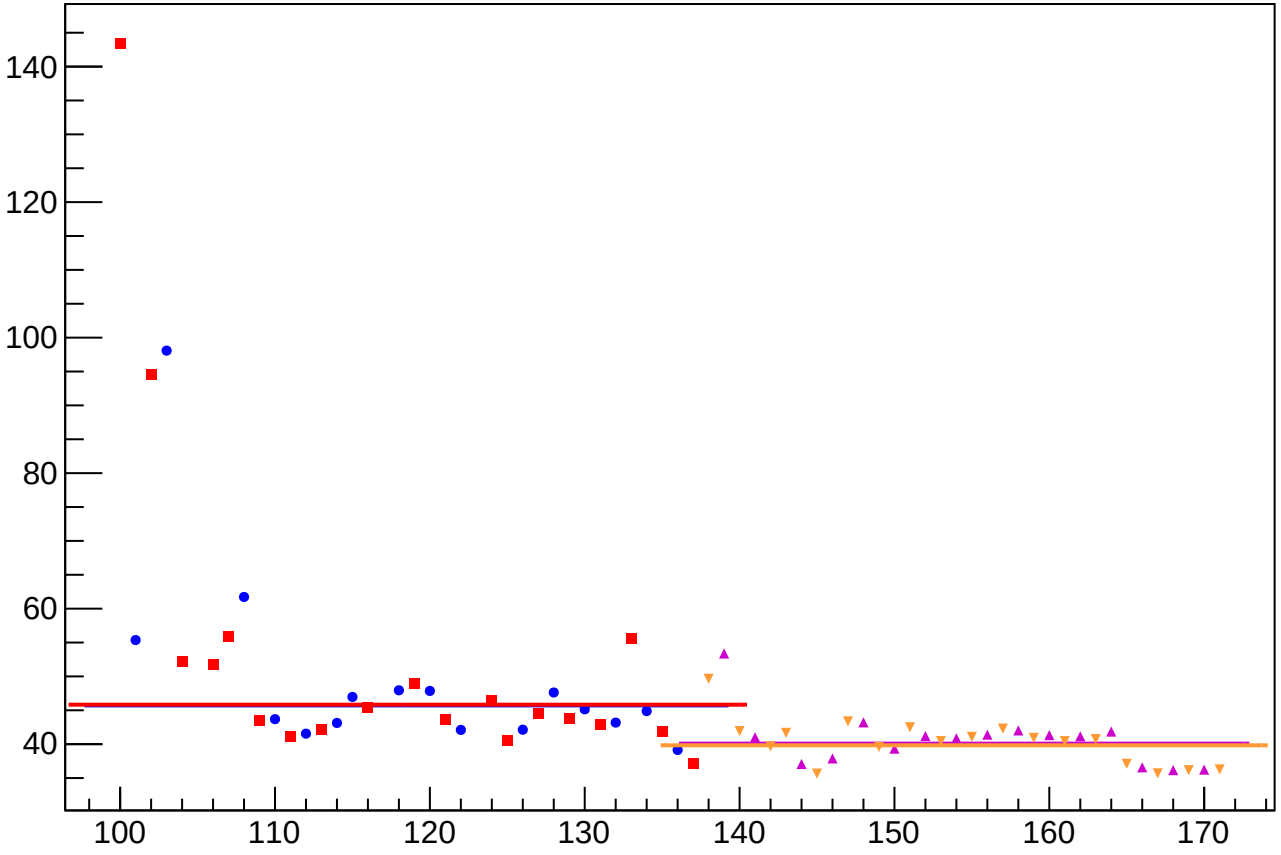
Left In: 18.546+/-11.088 χ^2/NDF:16.1/15

+ sign -21.628+/-9.070 χ^2/NDF: 67.3/33

All: -8.288+/-6.507 χ^2/NDF: 110.4/68

- sign 5.864+/-9.341 χ^2/NDF: 38.6/34

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

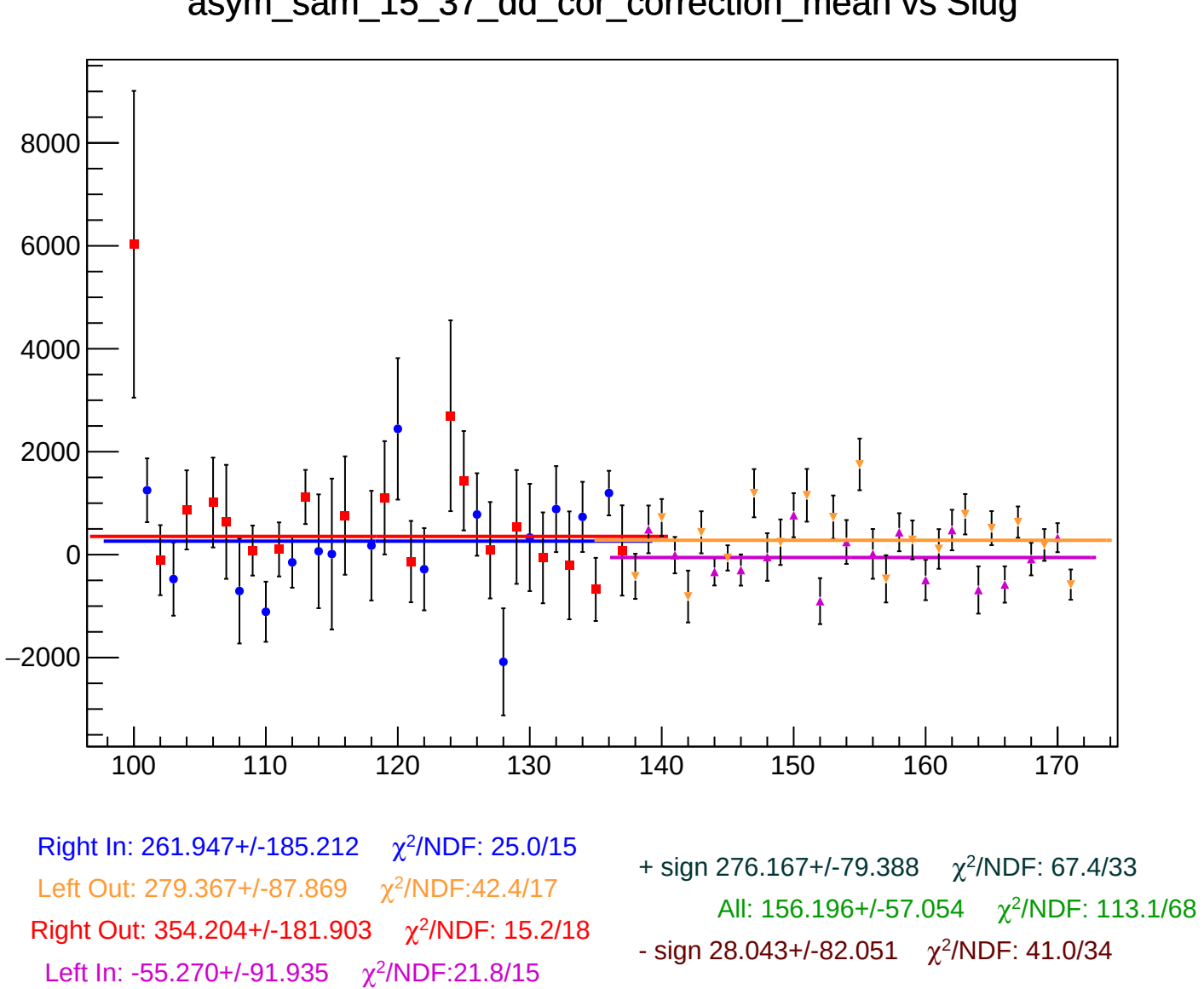
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

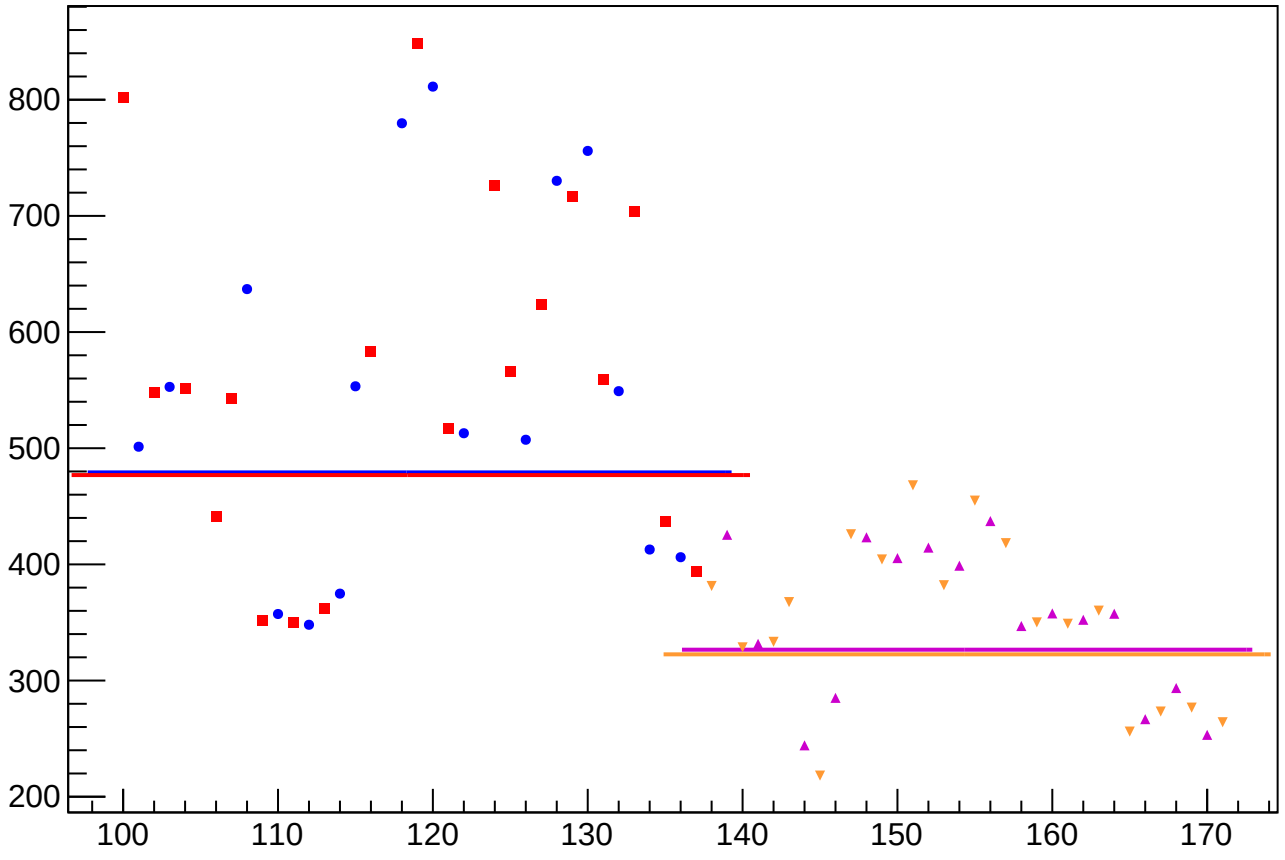
Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

+ sign 41.421+/-0.006 χ^2/NDF: 845003.8/33

All: 41.580+/-0.005 χ^2/NDF: 1734355.1/68

- sign 41.748+/-0.007 χ^2/NDF: 888087.8/34


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 261.947+/-185.212 χ²/NDF: 25.0/15
Left Out: 279.367+/-87.869 χ²/NDF:42.4/17
Right Out: 354.204+/-181.903 χ²/NDF: 15.2/18
Left In: -55.270+/-91.935 χ²/NDF:21.8/15
+ sign 276.167+/-79.388 χ²/NDF: 67.4/33
All: 156.196+/-57.054 χ²/NDF: 113.1/68
- sign 28.043+/-82.051 χ²/NDF: 41.0/34



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310459.0/17

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

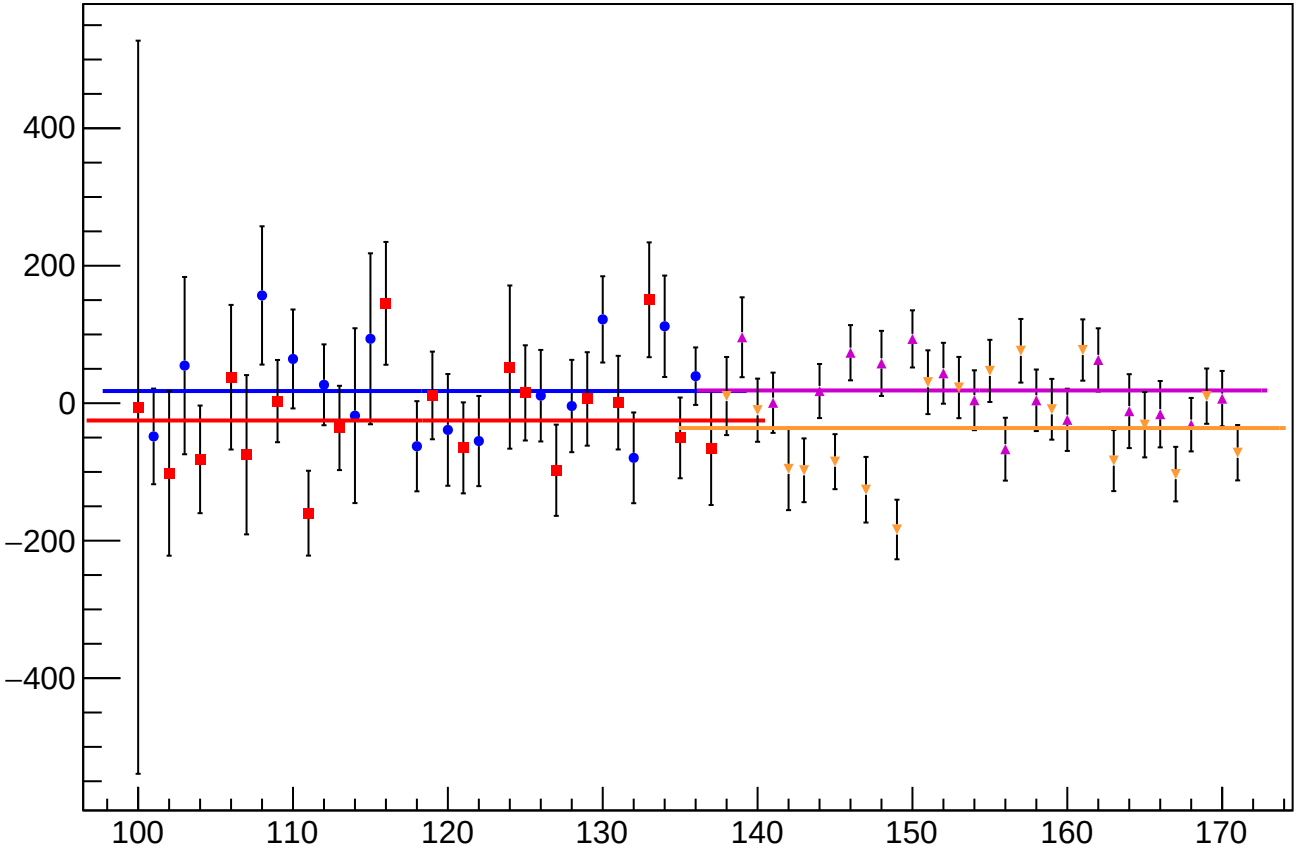
Left In: 326.568+/-0.065 χ^2/NDF:968134.1/15

+ sign 351.338+/-0.056 χ^2/NDF: 3430538.5/33

All: 354.150+/-0.040 χ^2/NDF: 6495602.0/68

- sign 357.154+/-0.058 χ^2/NDF: 3059873.4/34

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.140+/-10.612 χ^2/NDF:46.4/17

Right Out: -25.145+/-17.339 χ^2/NDF: 18.0/18

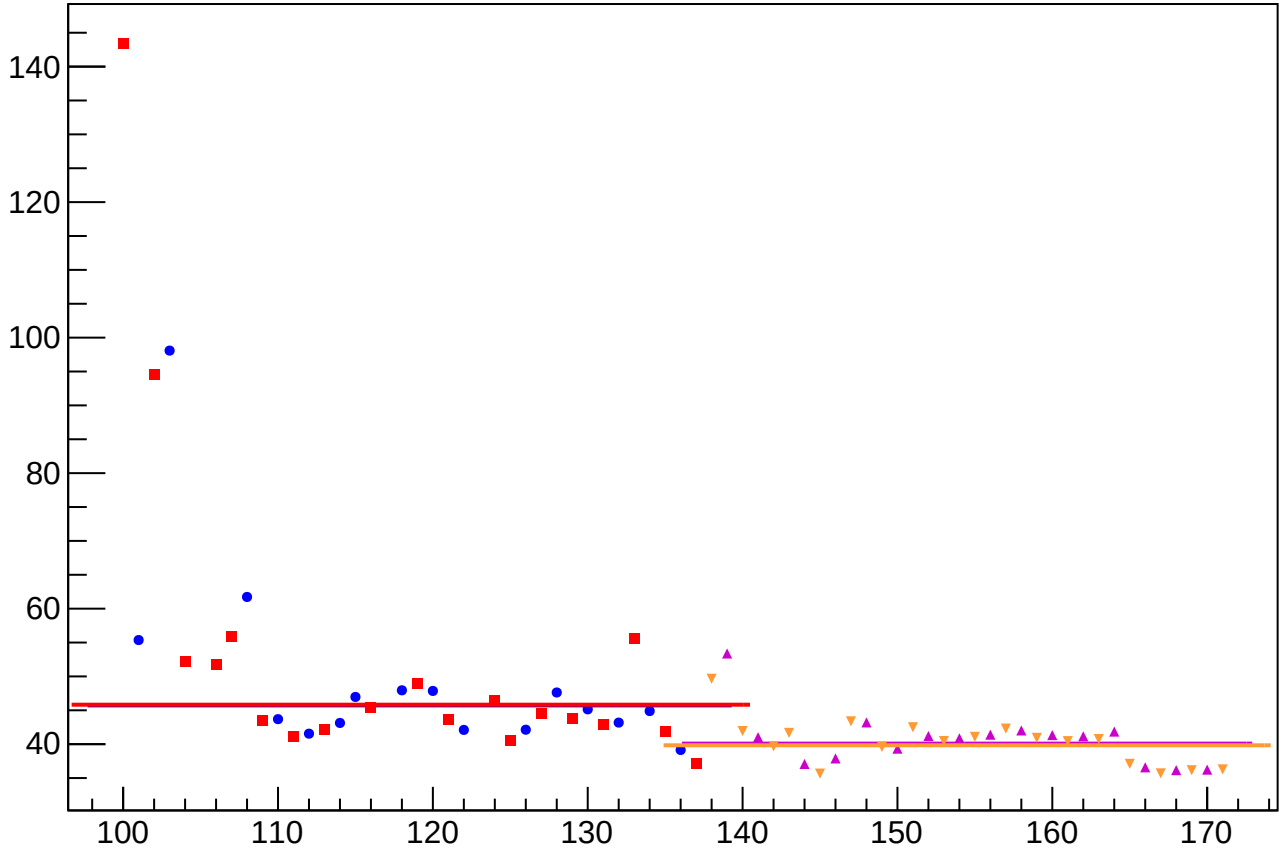
Left In: 18.546+/-11.088 χ^2/NDF:16.1/15

+ sign -21.628+/-9.070 χ^2/NDF: 67.3/33

All: -8.288+/-6.507 χ^2/NDF: 110.4/68

- sign 5.864+/-9.341 χ^2/NDF: 38.6/34

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

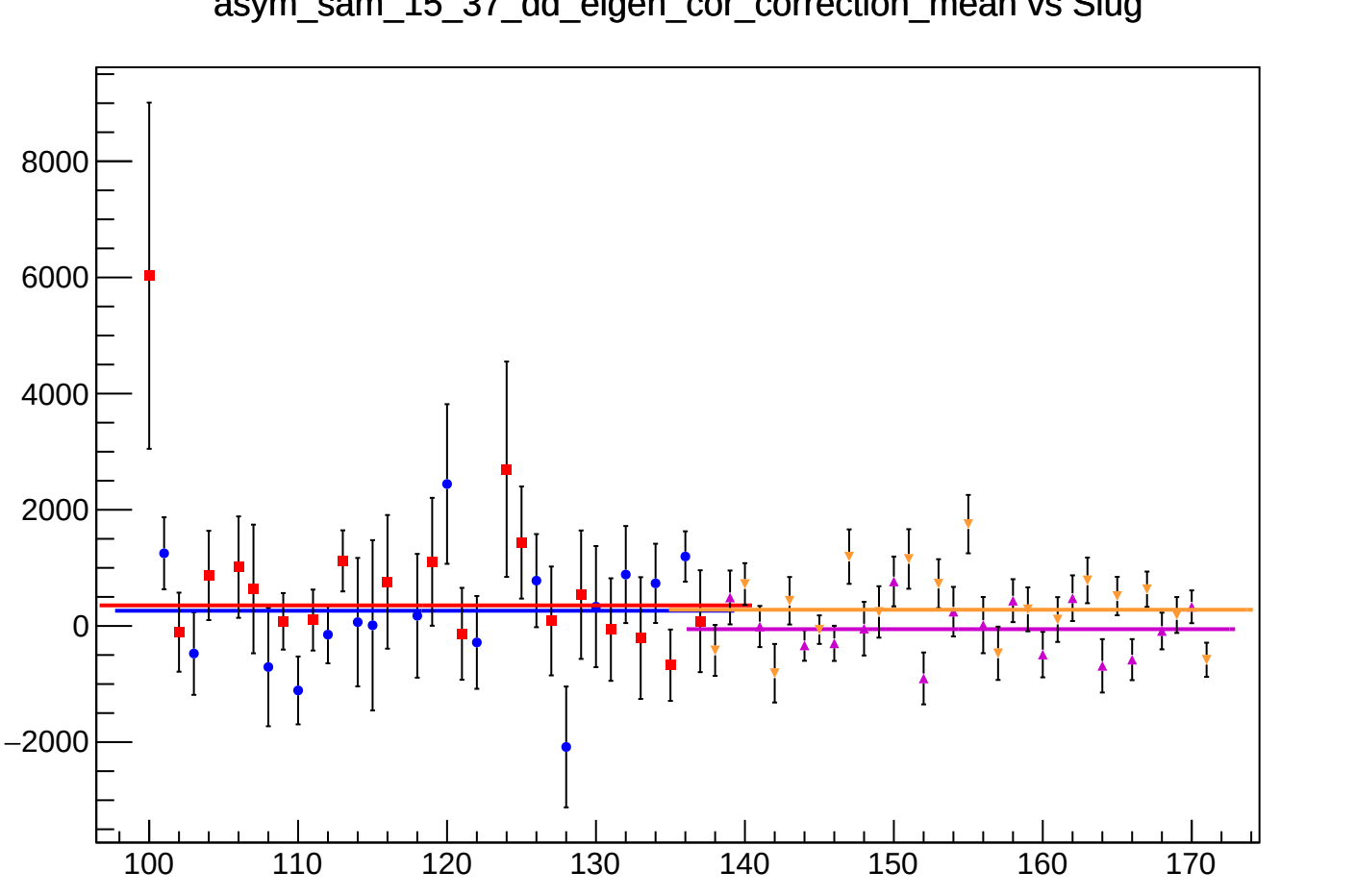
Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.081+/-0.008 χ^2/NDF:193810.2/15

+ sign 41.421+/-0.006 χ^2/NDF: 845003.8/33

All: 41.580+/-0.005 χ^2/NDF: 1734355.1/68

- sign 41.748+/-0.007 χ^2/NDF: 888087.8/34



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 279.367+/-87.869 χ^2/NDF:42.4/17

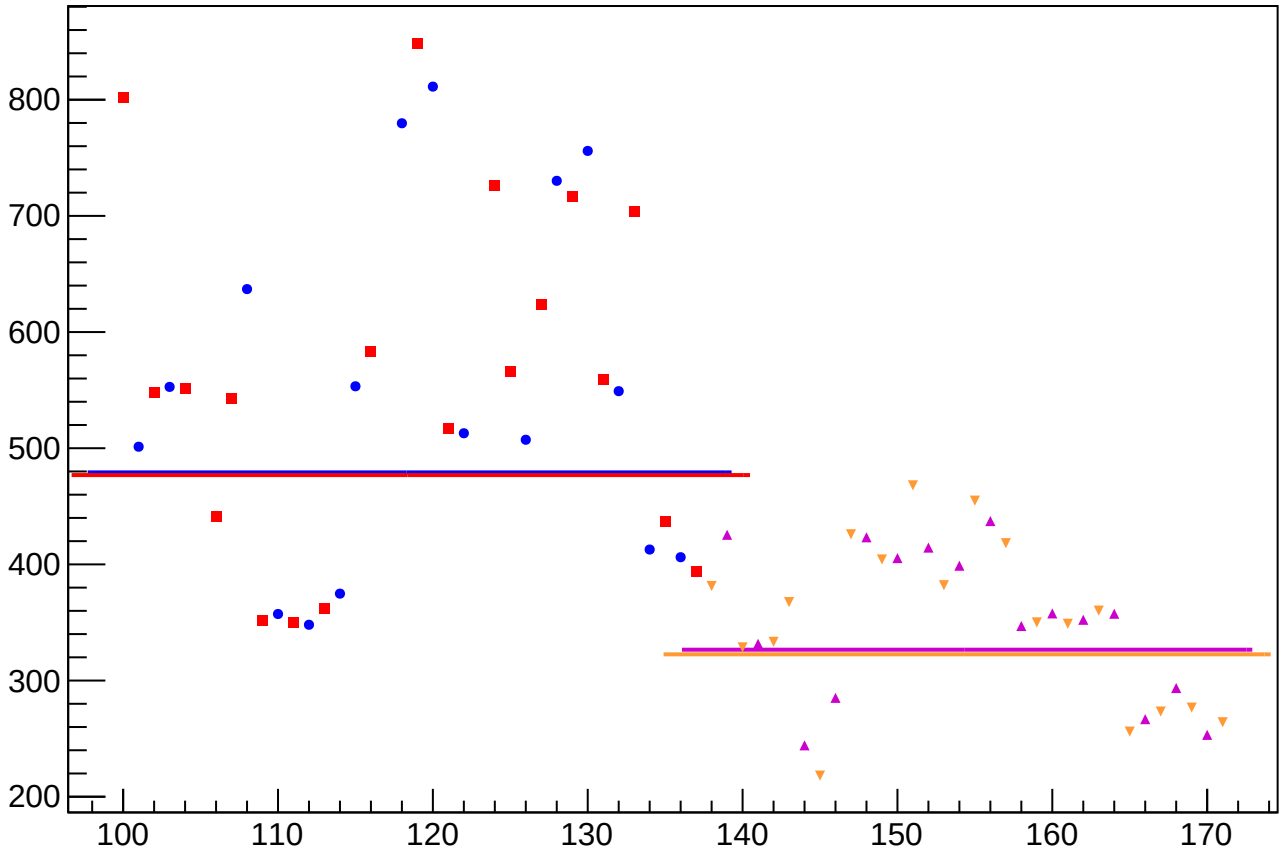
Right Out: 354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -55.270+/-91.935 χ^2/NDF:21.8/15

+ sign 276.167+/-79.388 χ^2/NDF: 67.4/33

All: 156.196+/-57.054 χ^2/NDF: 113.1/68

- sign 28.043+/-82.051 χ^2/NDF: 41.0/34



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310459.0/17

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

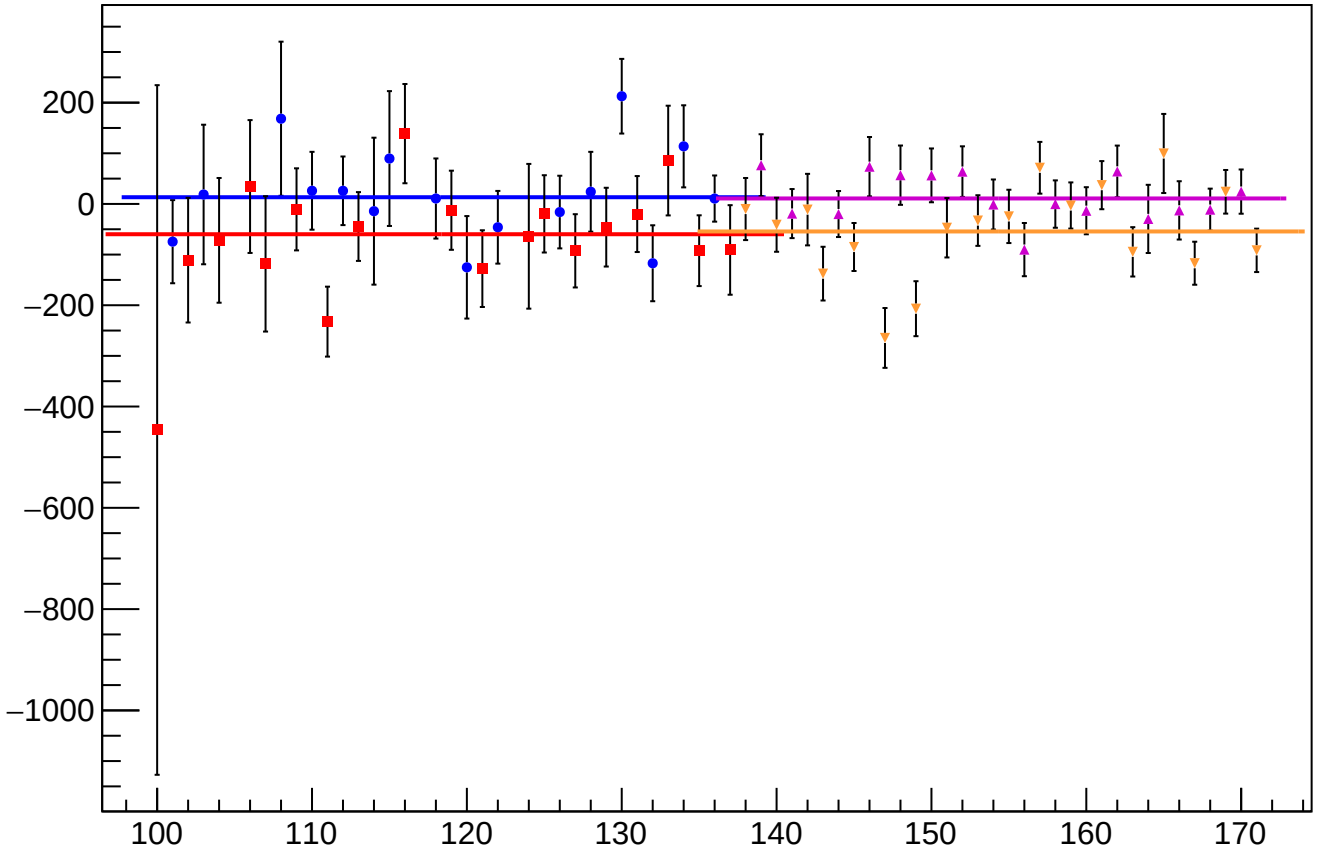
Left In: 326.568+/-0.065 χ^2/NDF:968134.1/15

+ sign 351.338+/-0.056 χ^2/NDF: 3430538.5/33

All: 354.150+/-0.040 χ^2/NDF: 6495602.0/68

- sign 357.154+/-0.058 χ^2/NDF: 3059873.4/34

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -54.331+/-12.102 χ^2/NDF:46.8/17

Right Out: -59.810+/-20.234 χ^2/NDF: 16.1/18

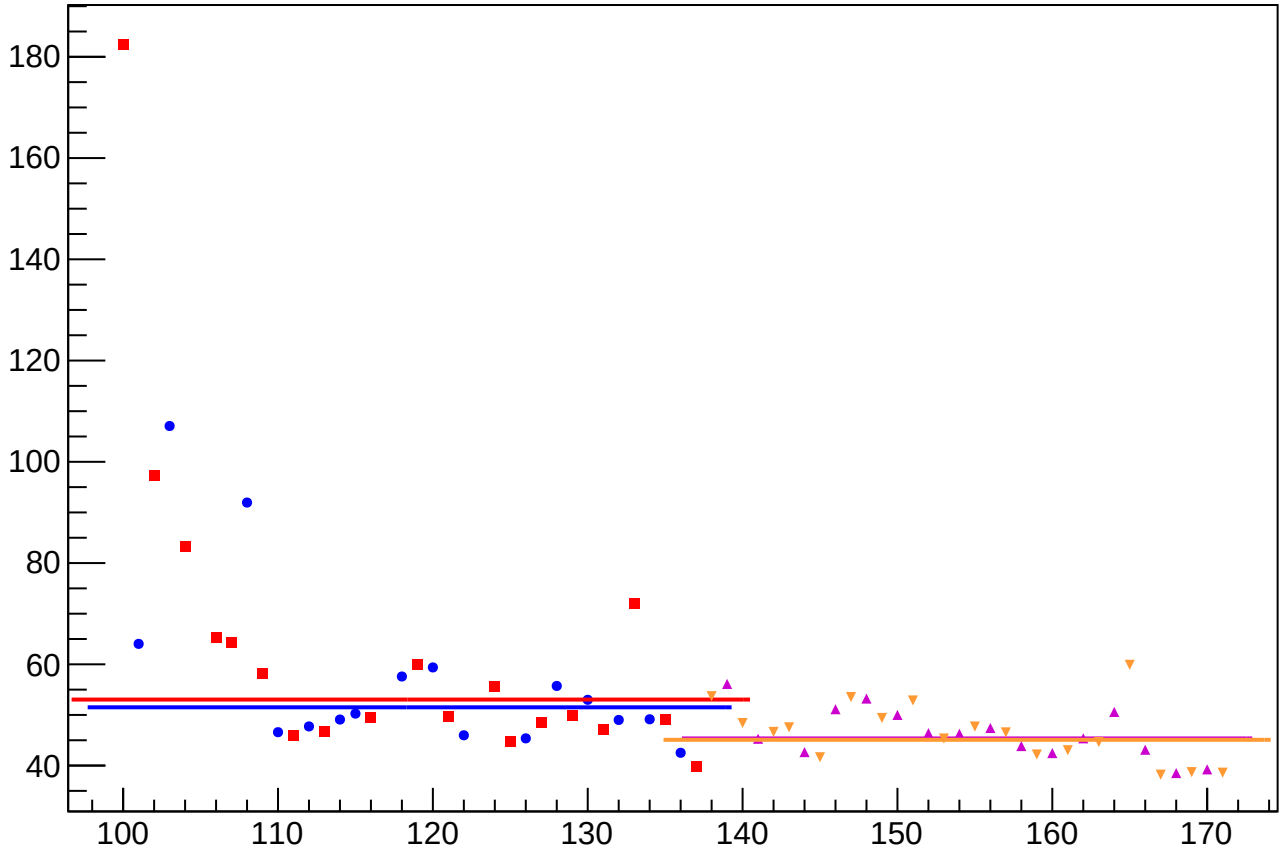
Left In: 10.818+/-12.678 χ^2/NDF:11.7/15

+ sign -36.013+/-10.333 χ^2/NDF: 72.5/33

All: -23.077+/-7.447 χ^2/NDF: 112.3/68

- sign -9.093+/-10.743 χ^2/NDF: 36.5/34

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 45.088+/-0.009 χ^2/NDF:384853.4/17

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

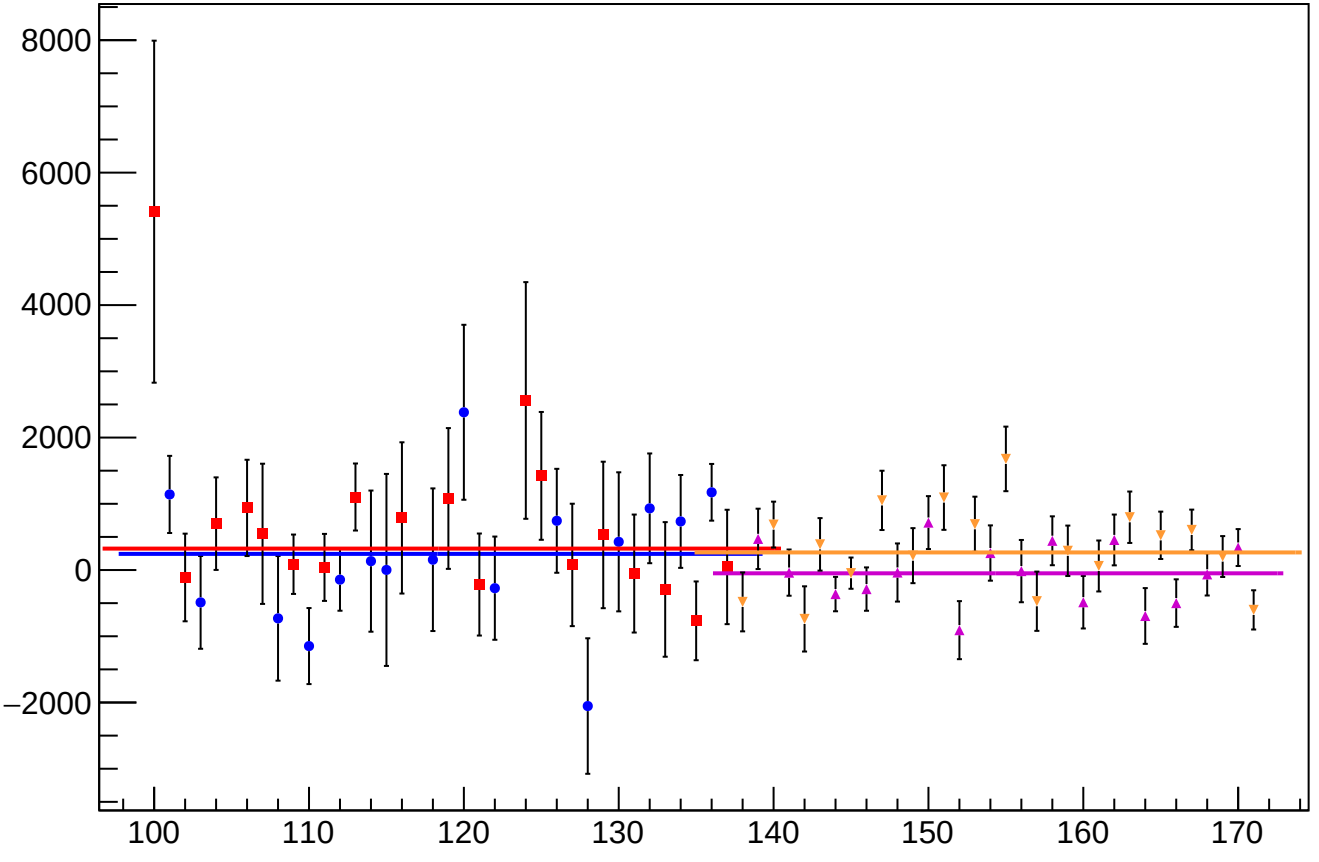
Left In: 45.359+/-0.009 χ^2/NDF:263180.1/15

+ sign 46.827+/-0.007 χ^2/NDF: 1204316.9/33

All: 47.162+/-0.005 χ^2/NDF: 2391593.2/68

- sign 47.524+/-0.008 χ^2/NDF: 1182910.5/34

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 265.694+/-86.879 χ^2/NDF:41.0/17

Right Out: 323.628+/-173.632 χ^2/NDF: 16.5/18

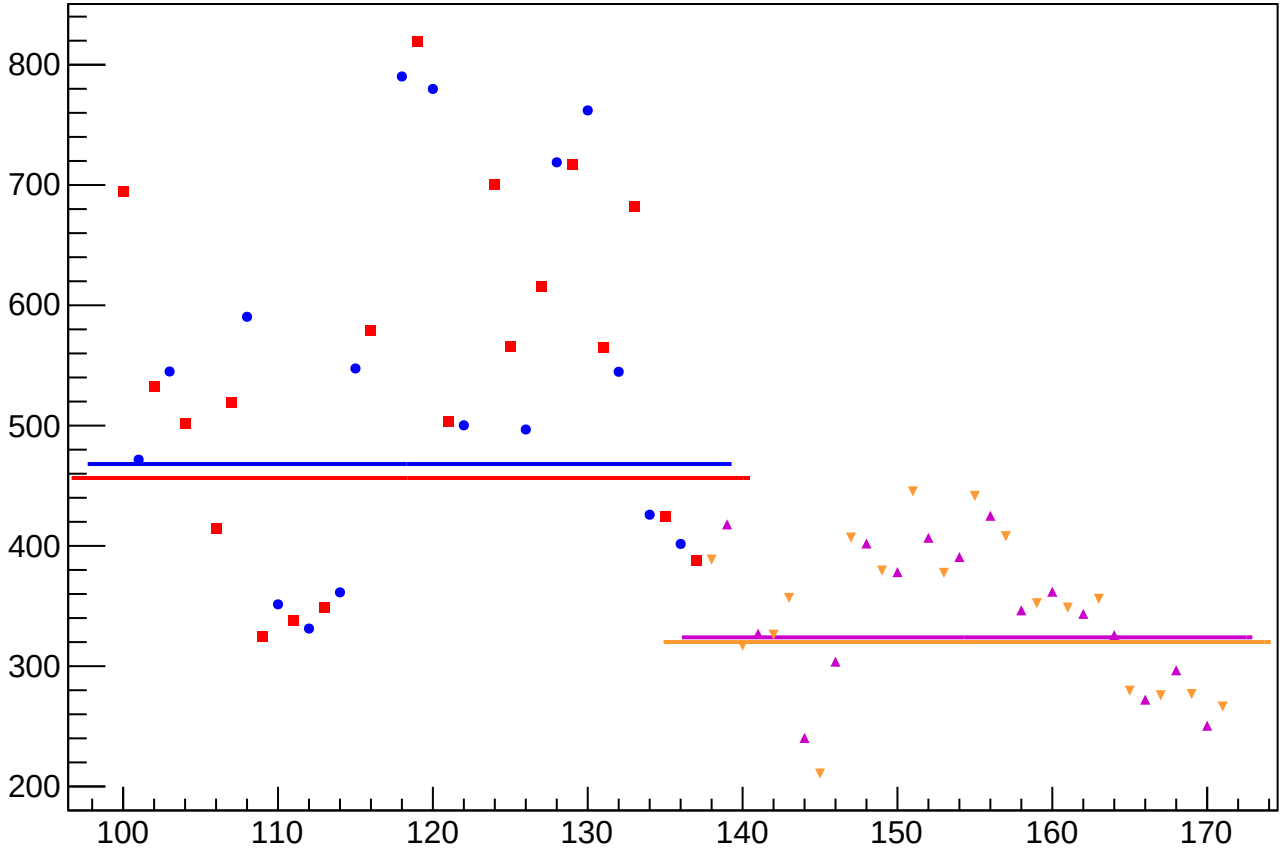
Left In: -49.464+/-91.026 χ^2/NDF:21.9/15

+ sign 261.595+/-78.313 χ^2/NDF: 66.6/33

All: 149.628+/-56.173 χ^2/NDF: 112.8/68

- sign 30.969+/-80.619 χ^2/NDF: 42.0/34

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 320.101+/-0.061 χ^2/NDF:1197604.4/17

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

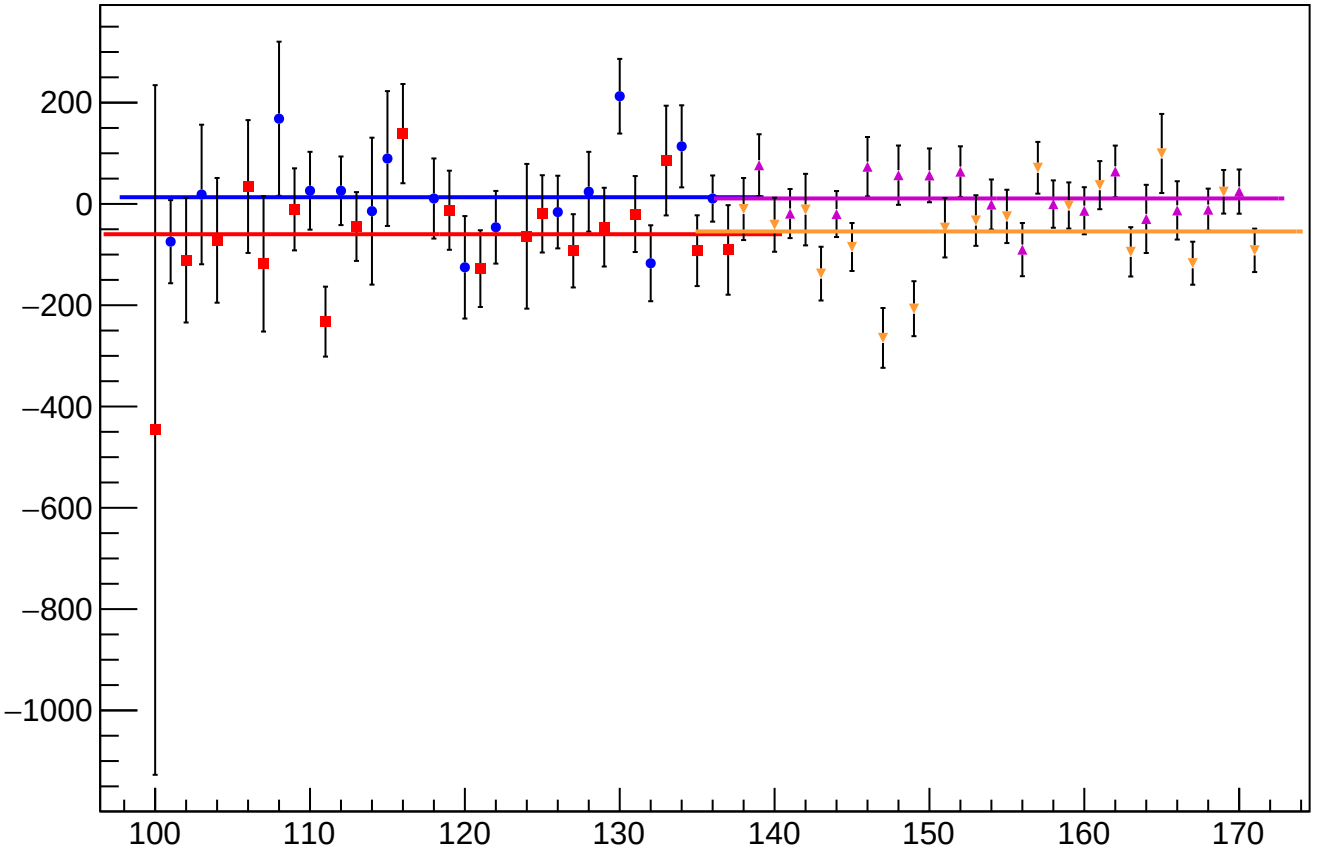
Left In: 323.986+/-0.064 χ^2/NDF:841154.1/15

+ sign 347.839+/-0.055 χ^2/NDF: 3268060.2/33

All: 350.125+/-0.040 χ^2/NDF: 6108624.1/68

- sign 352.548+/-0.057 χ^2/NDF: 2837054.4/34

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -54.331+/-12.102 χ^2/NDF:46.8/17

Right Out: -59.811+/-20.234 χ^2/NDF: 16.1/18

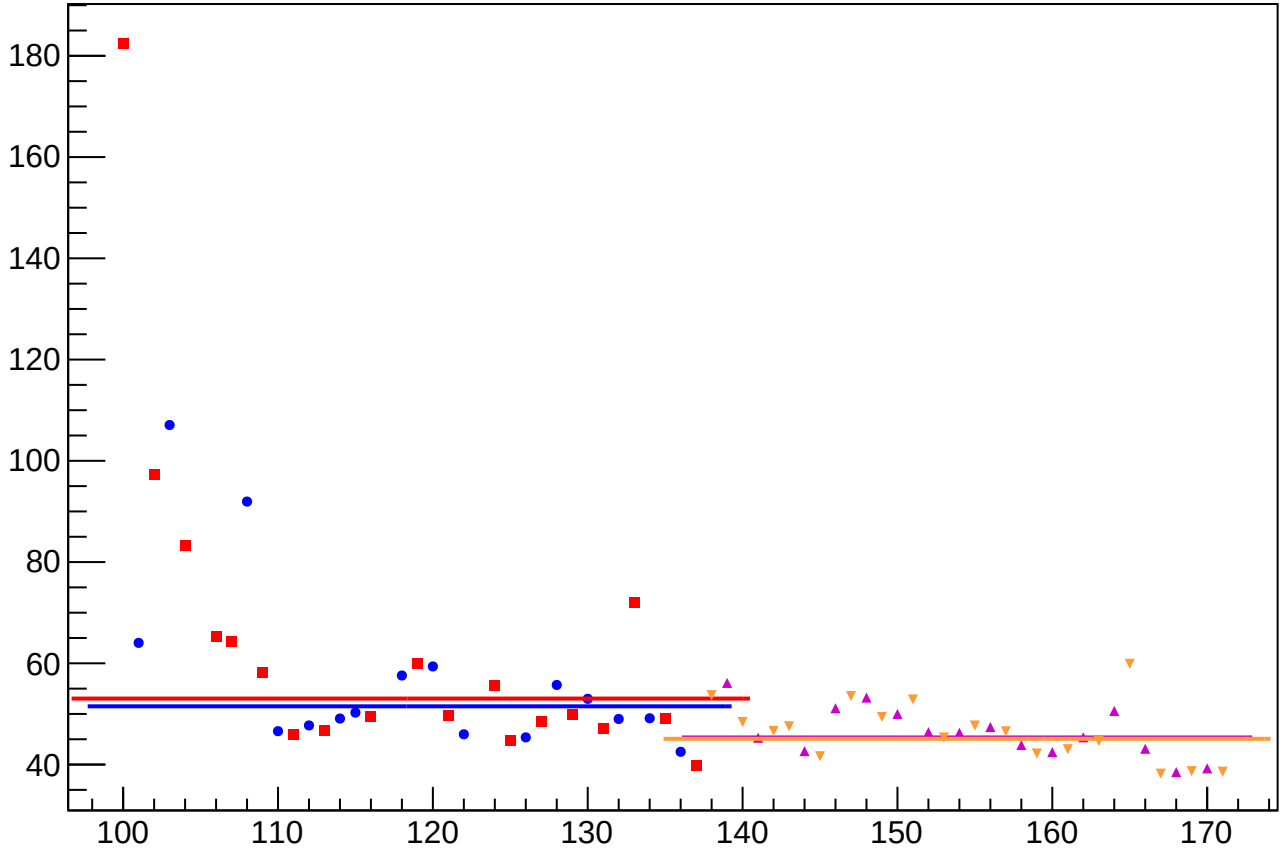
Left In: 10.818+/-12.678 χ^2/NDF:11.7/15

+ sign -36.013+/-10.333 χ^2/NDF: 72.5/33

All: -23.078+/-7.447 χ^2/NDF: 112.3/68

- sign -9.094+/-10.743 χ^2/NDF: 36.5/34

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.088+/-0.009 χ^2/NDF:384858.0/17

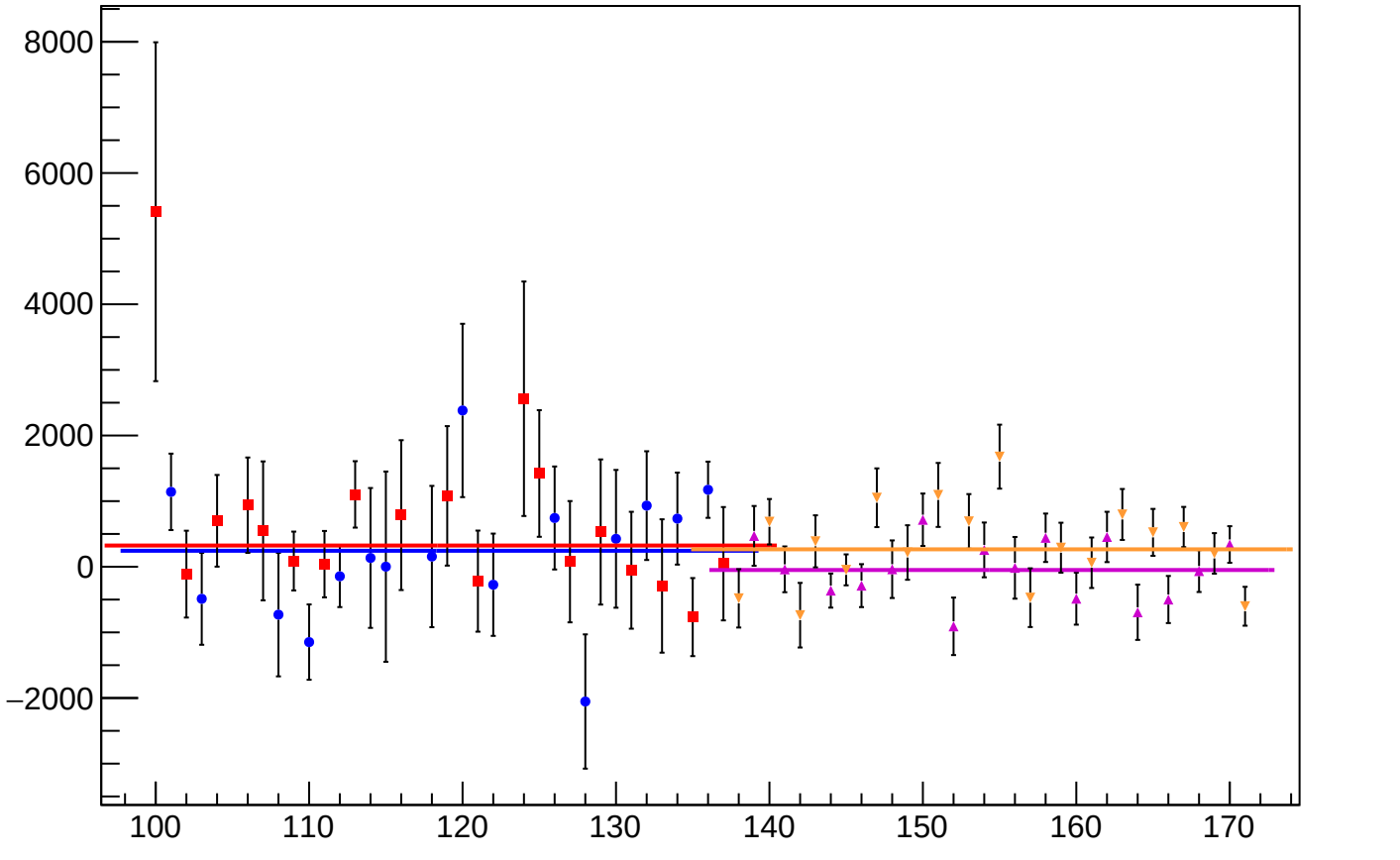
Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 45.359+/-0.009 χ^2/NDF:263182.1/15

+ sign 46.827+/-0.007 χ^2/NDF: 1204326.5/33

All: 47.162+/-0.005 χ^2/NDF: 2391615.8/68

- sign 47.524+/-0.008 χ^2/NDF: 1182923.6/34



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 265.695+/-86.879 χ^2/NDF:41.0/17

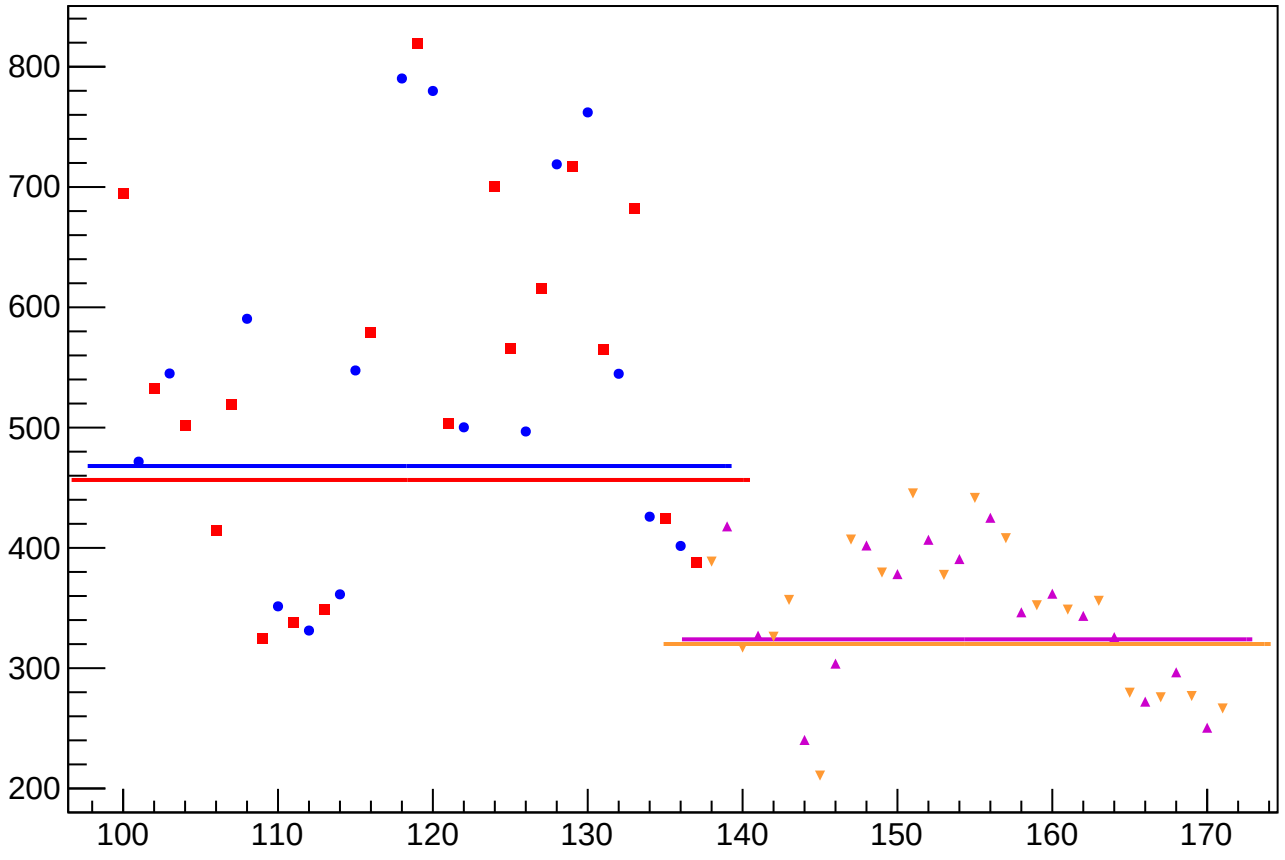
Right Out: 323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -49.465+/-91.026 χ^2/NDF:21.9/15

+ sign 261.595+/-78.313 χ^2/NDF: 66.6/33

All: 149.628+/-56.173 χ^2/NDF: 112.8/68

- sign 30.969+/-80.619 χ^2/NDF: 42.0/34



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 320.101+/-0.061 χ^2/NDF:1197604.2/17

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

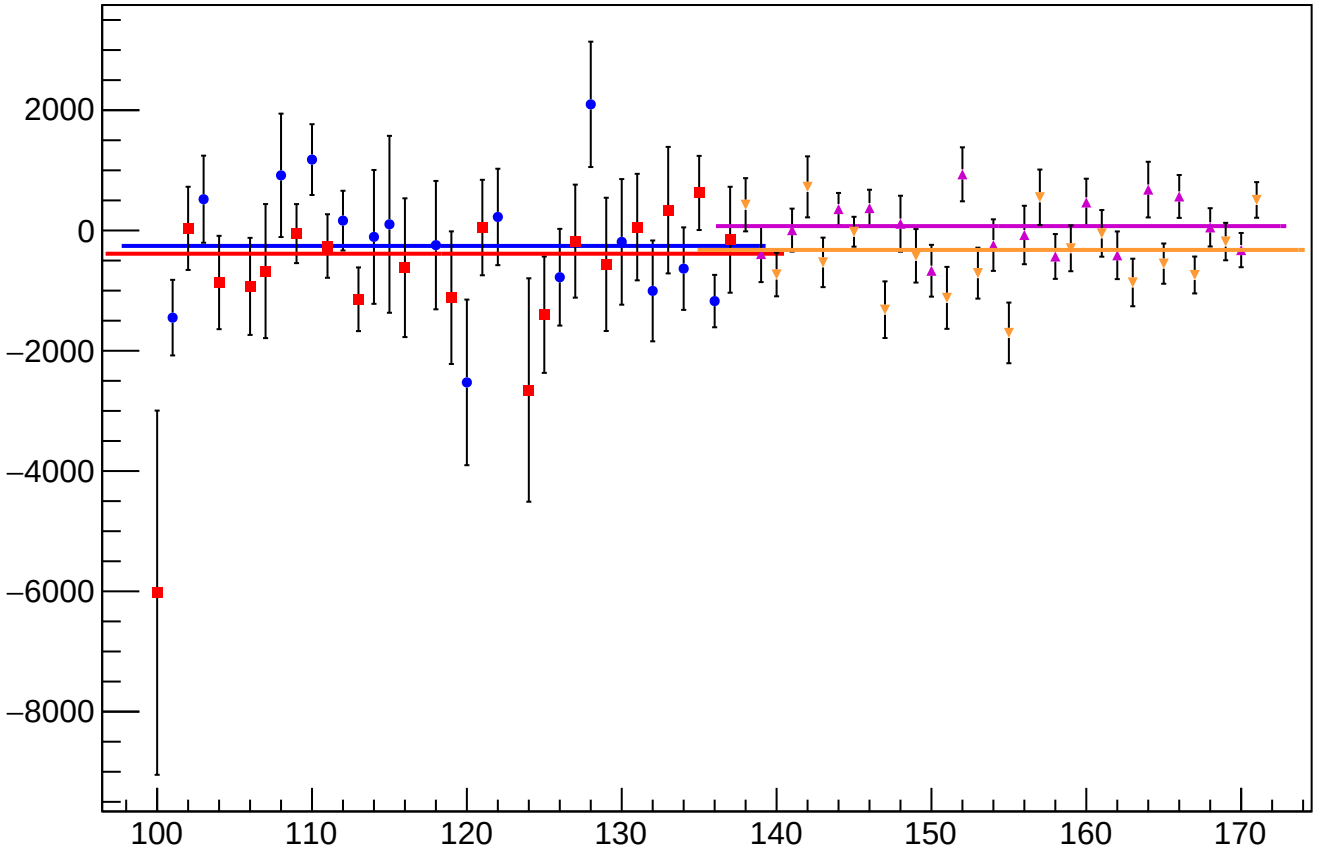
Left In: 323.987+/-0.064 χ^2/NDF:841152.9/15

+ sign 347.839+/-0.055 χ^2/NDF: 3268049.3/33

All: 350.125+/-0.040 χ^2/NDF: 6108597.7/68

- sign 352.548+/-0.057 χ^2/NDF: 2837038.9/34

asym_sam_15_37_dd_mean vs Slug



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -323.193+/-88.586 χ^2/NDF:41.7/17

Right Out: -386.449+/-182.363 χ^2/NDF: 14.2/18

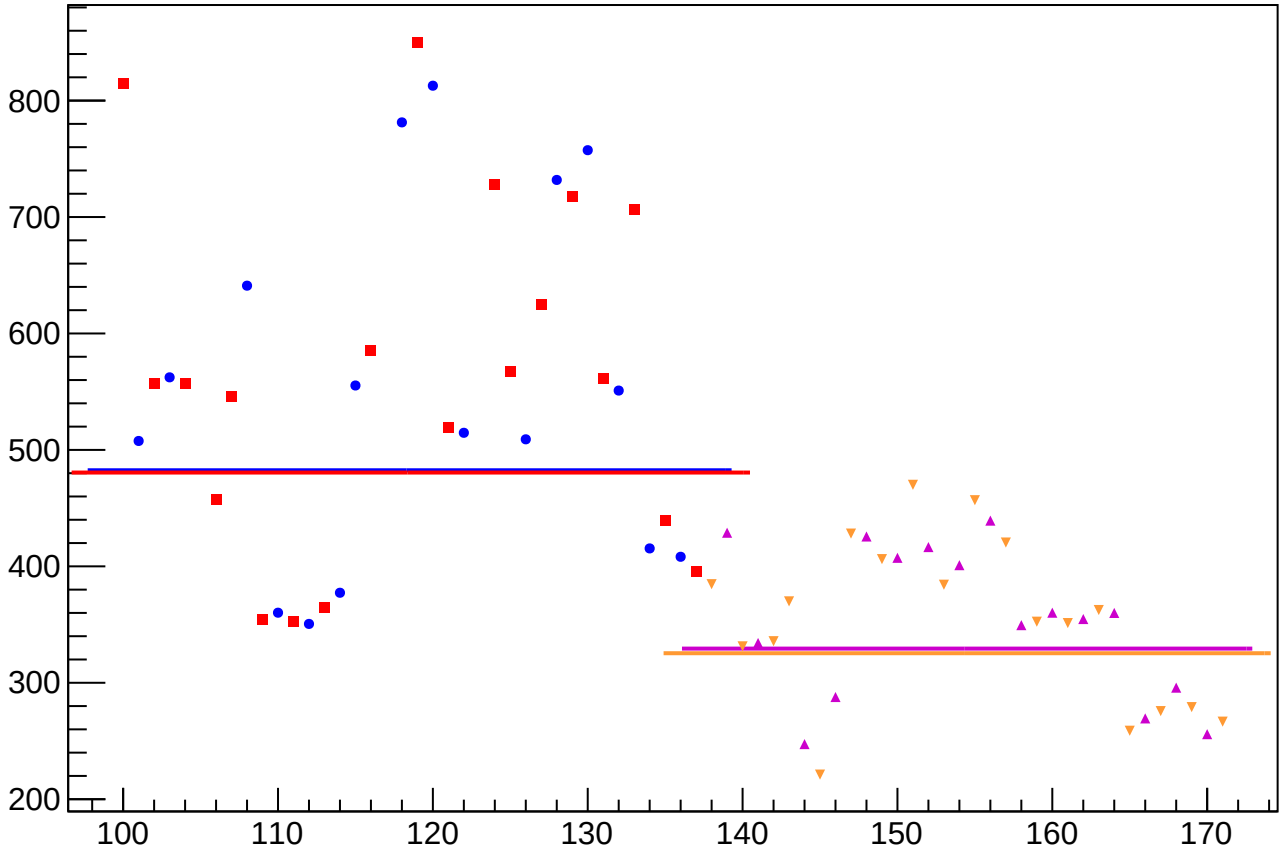
Left In: 72.872+/-92.674 χ^2/NDF:20.3/15

+ sign -310.957+/-80.015 χ^2/NDF: 68.8/33

All: -170.812+/-57.477 χ^2/NDF: 114.7/68

- sign -21.402+/-82.618 χ^2/NDF: 39.6/34

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 325.385+/-0.063 χ^2/NDF:1281609.2/17

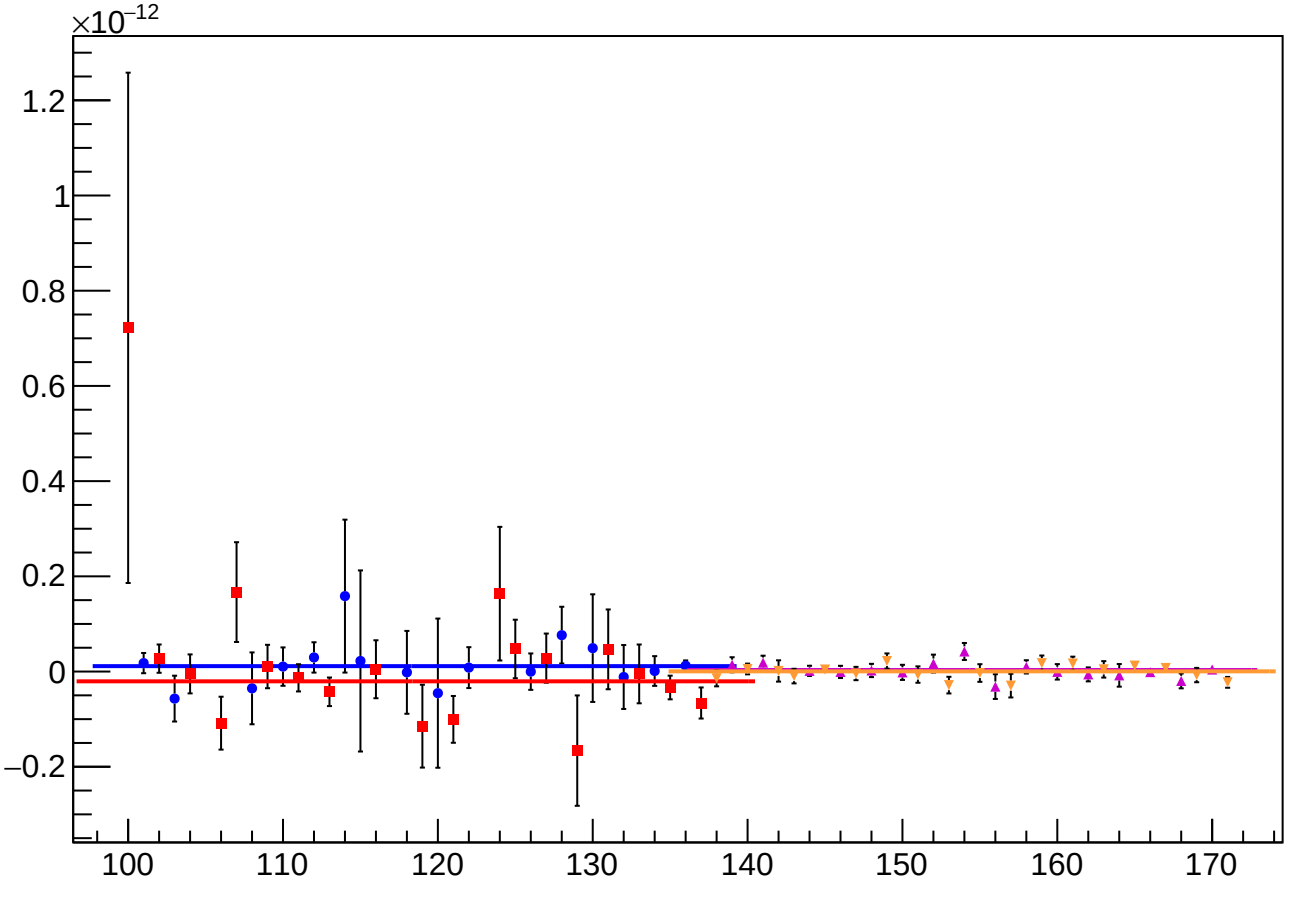
Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 329.354+/-0.066 χ^2/NDF:947467.8/15

+ sign 354.320+/-0.057 χ^2/NDF: 3386813.5/33

All: 357.257+/-0.041 χ^2/NDF: 6426397.1/68

- sign 360.388+/-0.058 χ^2/NDF: 3034015.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

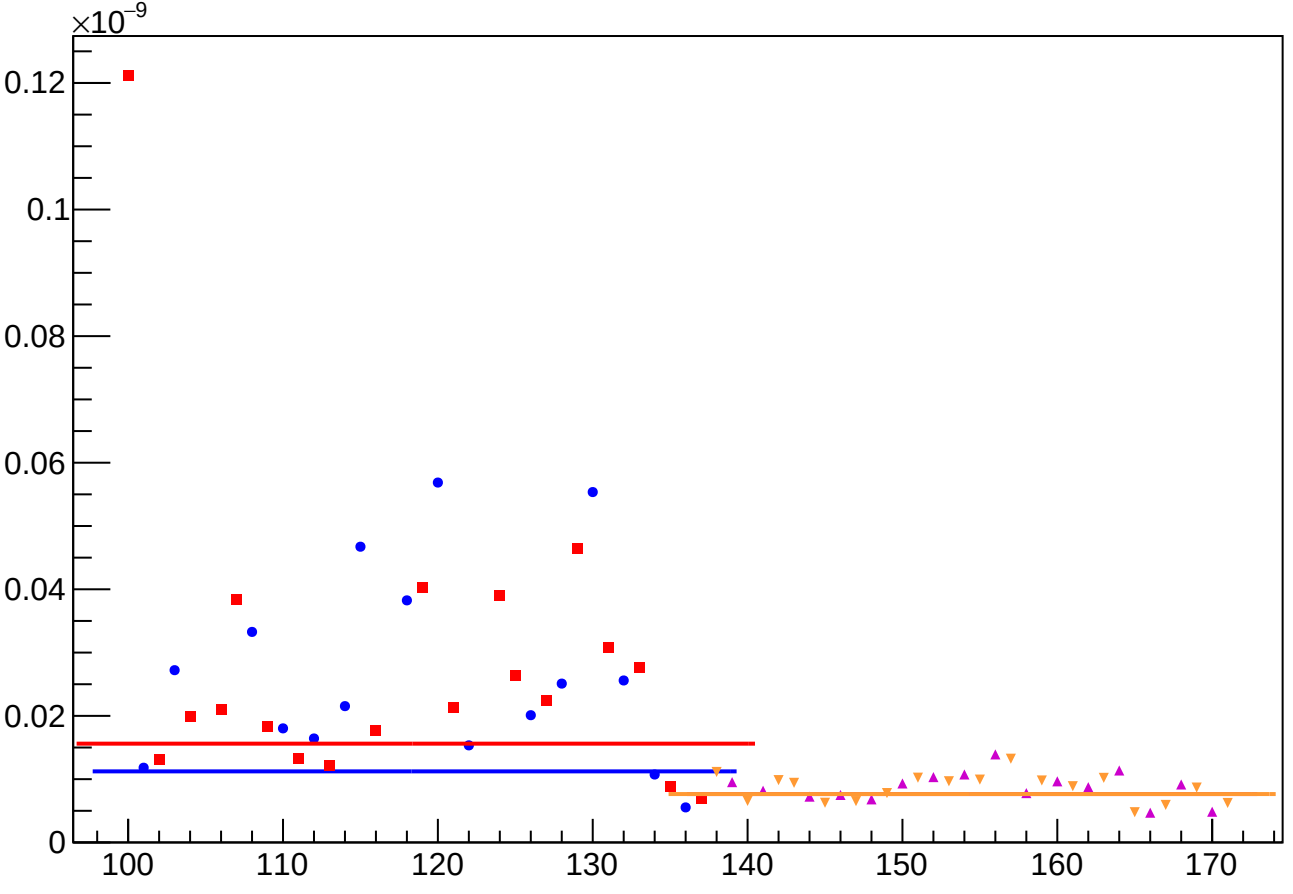
Left In: 0.000+/-0.000 χ^2/NDF:12.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 23.6/33

All: 0.000+/-0.000 χ^2/NDF: 64.4/68

- sign 0.000+/-0.000 χ^2/NDF: 40.7/34

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:747484.0/17

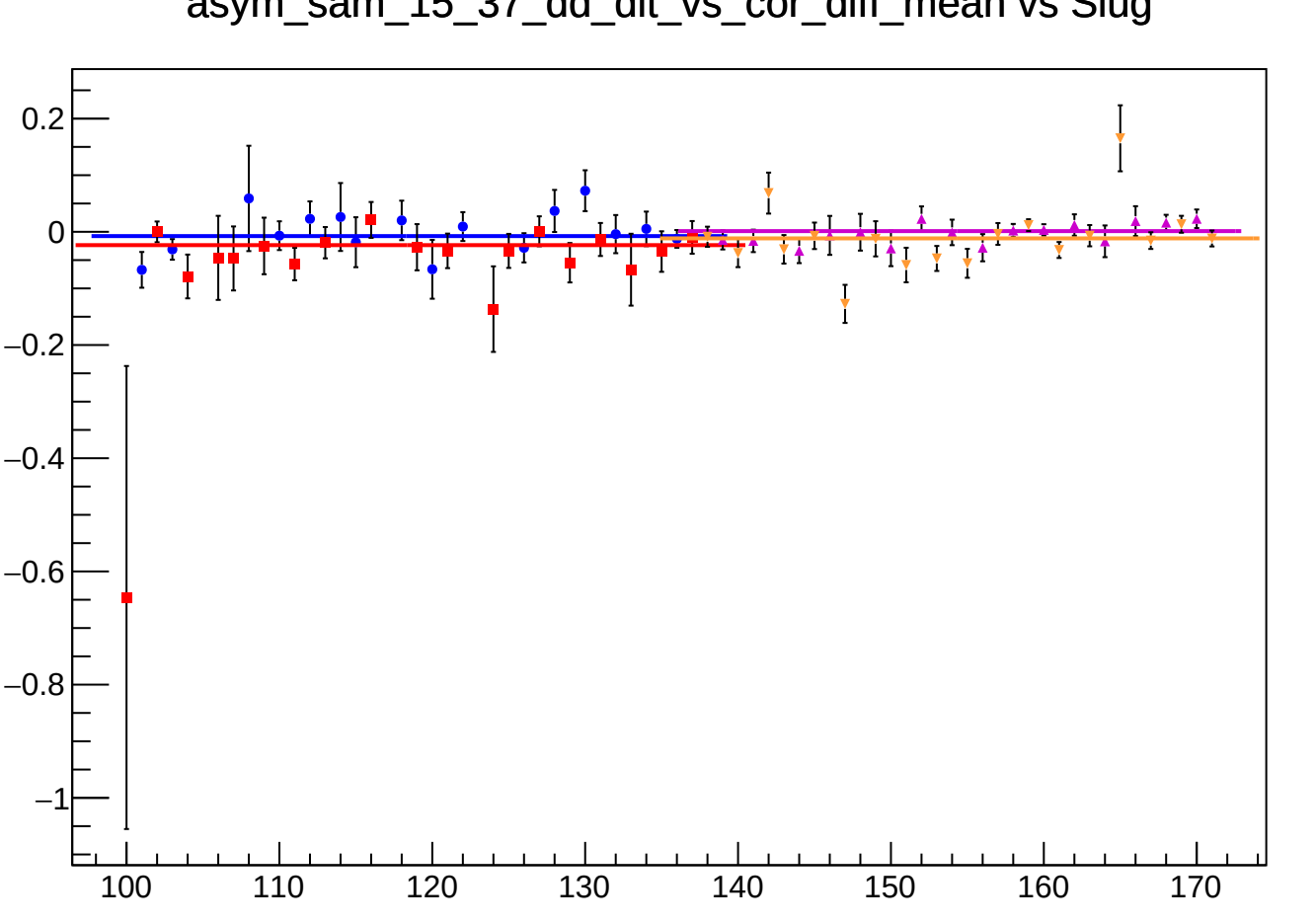
Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:737501.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 3194273.9/33

All: 0.000+/-0.000 χ^2/NDF: 6203888.1/68

- sign 0.000+/-0.000 χ^2/NDF: 2999652.1/34



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:45.7/17

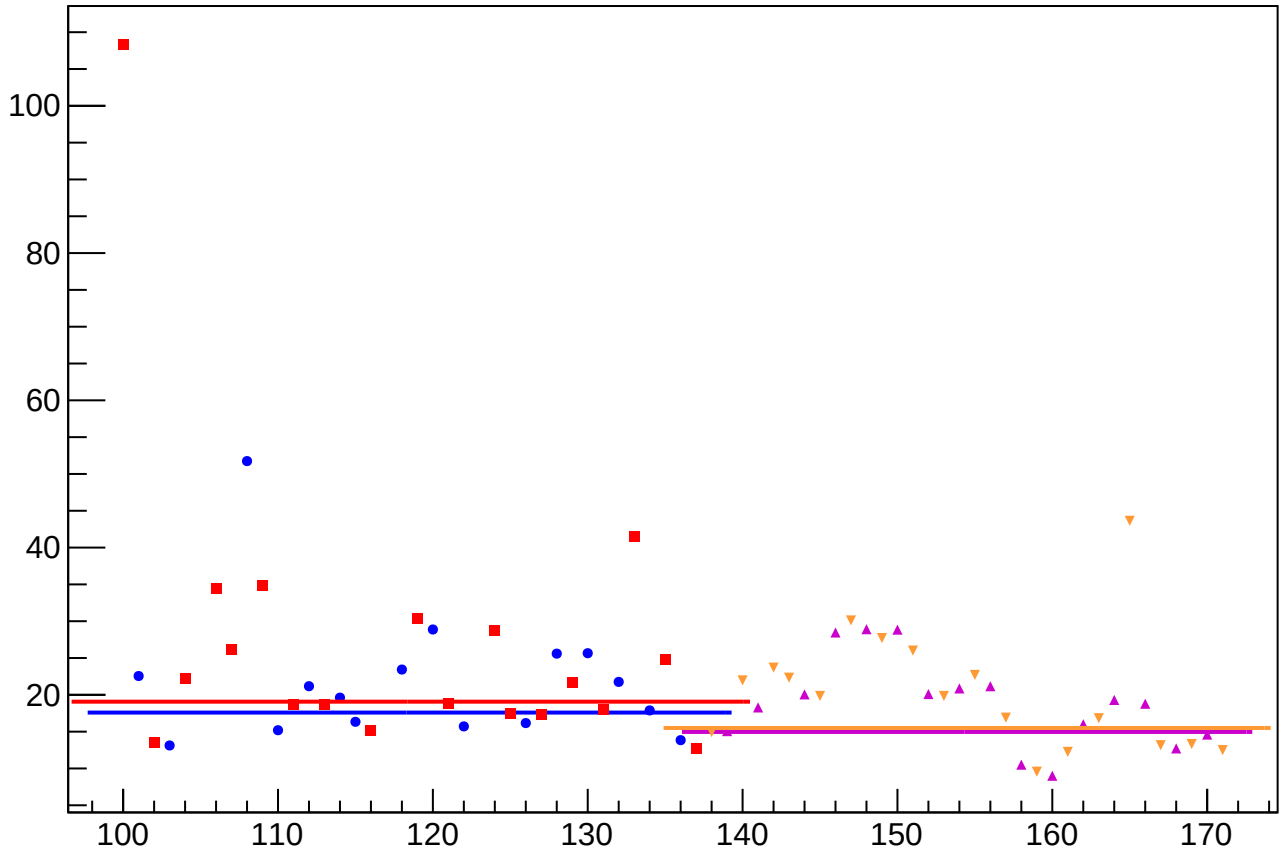
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:11.8/15

+ sign -0.010+/-0.004 χ^2/NDF: 62.7/33

All: -0.008+/-0.003 χ^2/NDF: 97.8/68

- sign -0.005+/-0.004 χ^2/NDF: 34.1/34



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.501+/-0.003 χ^2/NDF:3035744.2/17

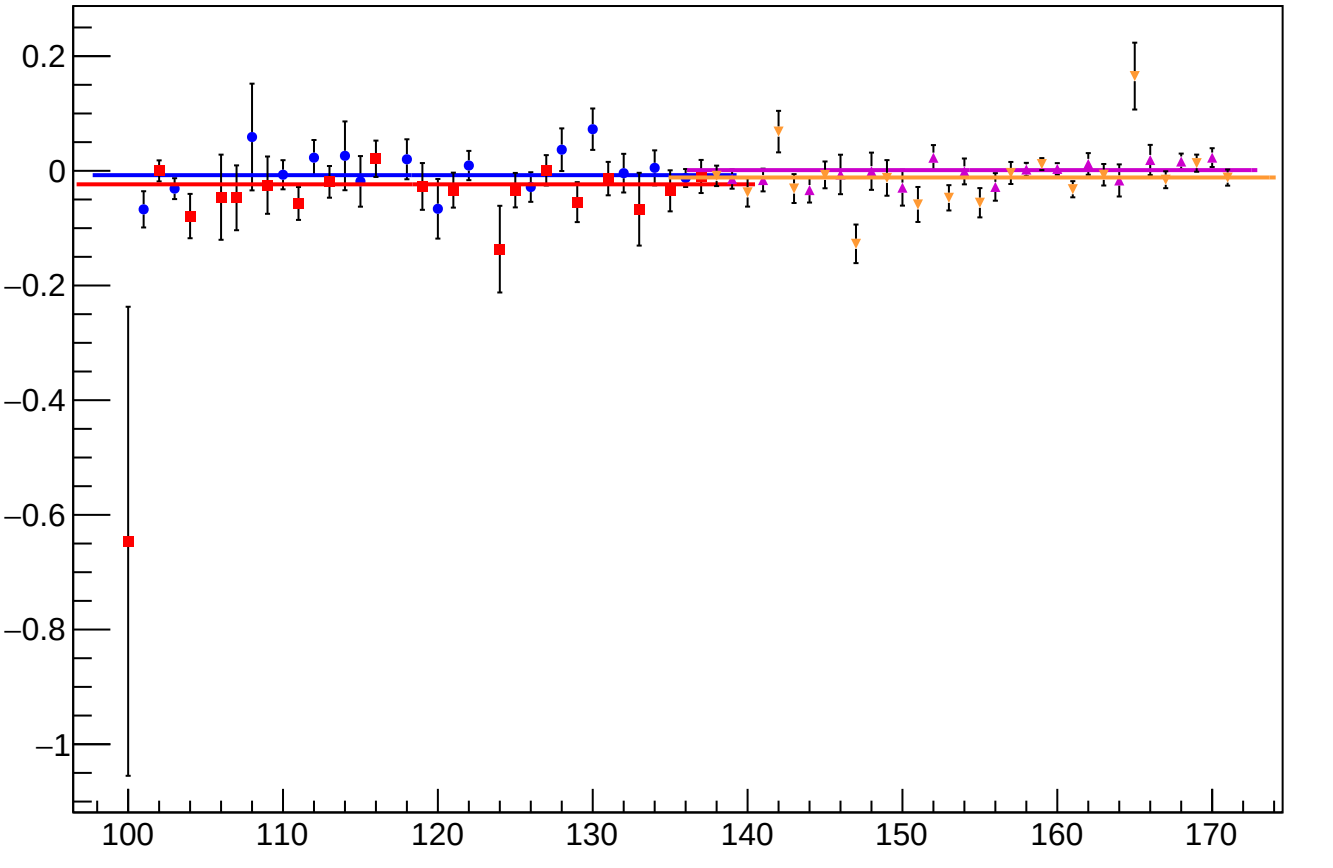
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.961+/-0.003 χ^2/NDF:2766117.8/15

+ sign 16.085+/-0.003 χ^2/NDF: 4150443.8/33

All: 16.049+/-0.002 χ^2/NDF: 8584847.9/68

- sign 16.010+/-0.003 χ^2/NDF: 4434022.7/34



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:45.7/17

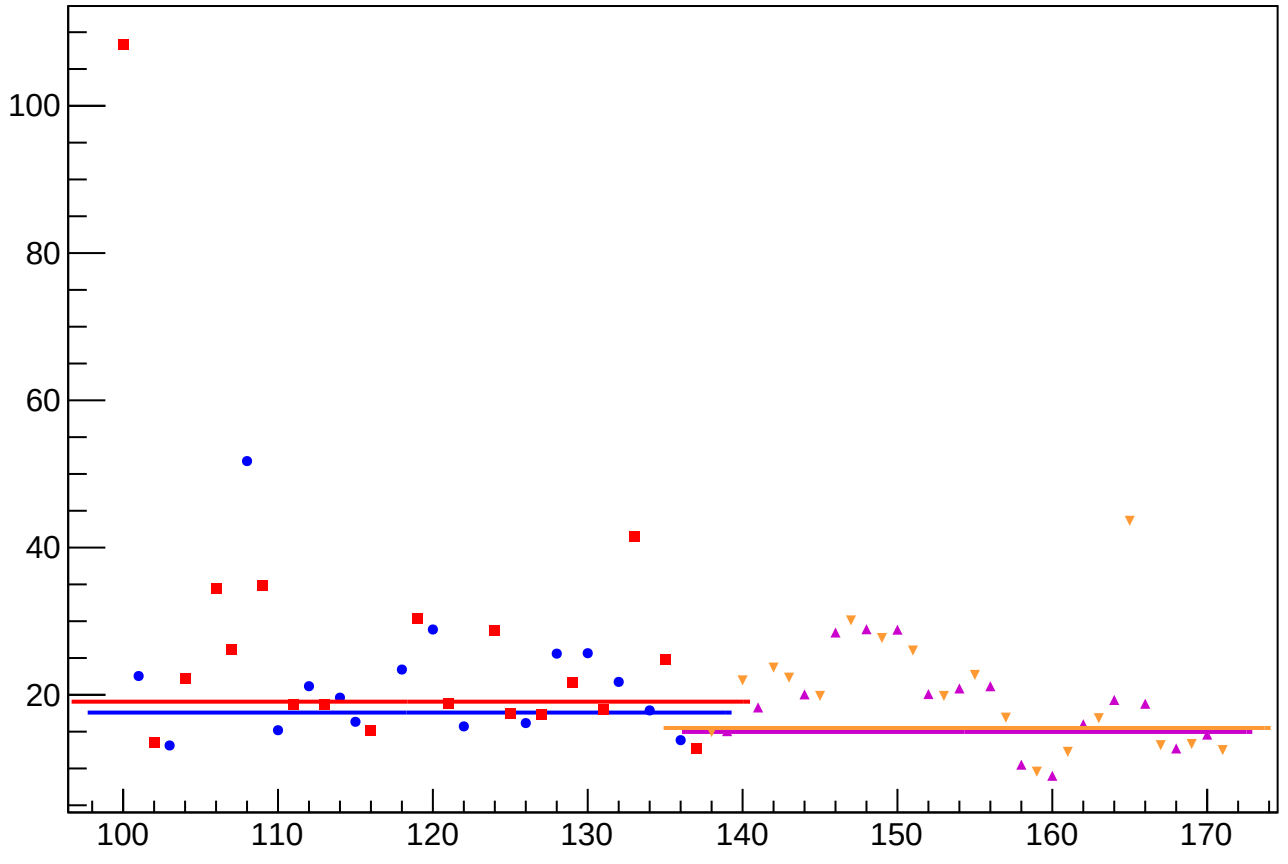
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:11.8/15

+ sign -0.010+/-0.004 χ^2/NDF: 62.7/33

All: -0.008+/-0.003 χ^2/NDF: 97.8/68

- sign -0.005+/-0.004 χ^2/NDF: 34.1/34



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.501+/-0.003 χ^2/NDF:3035744.2/17

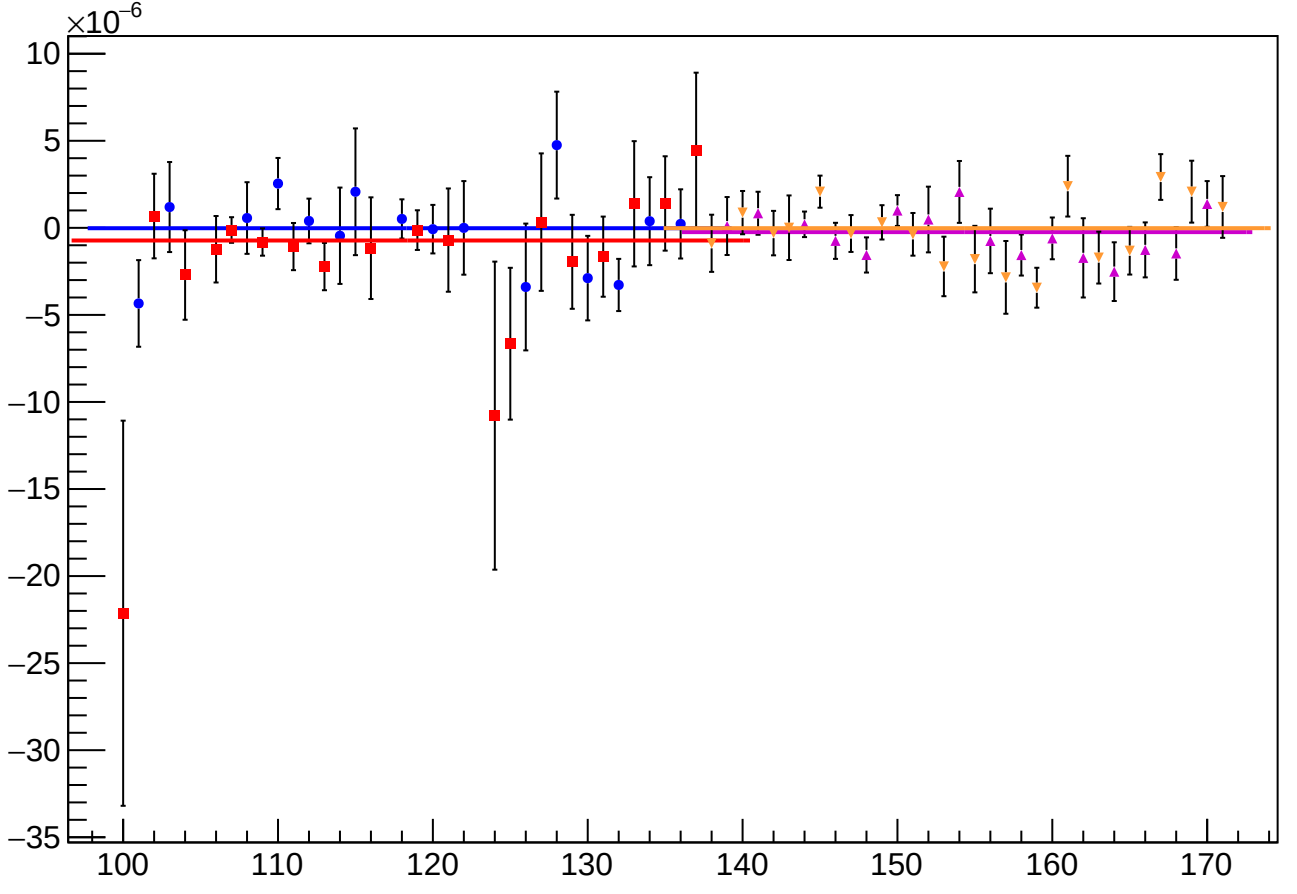
Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.961+/-0.003 χ^2/NDF:2766117.8/15

+ sign 16.085+/-0.003 χ^2/NDF: 4150443.8/33

All: 16.049+/-0.002 χ^2/NDF: 8584847.9/68

- sign 16.010+/-0.003 χ^2/NDF: 4434022.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/17

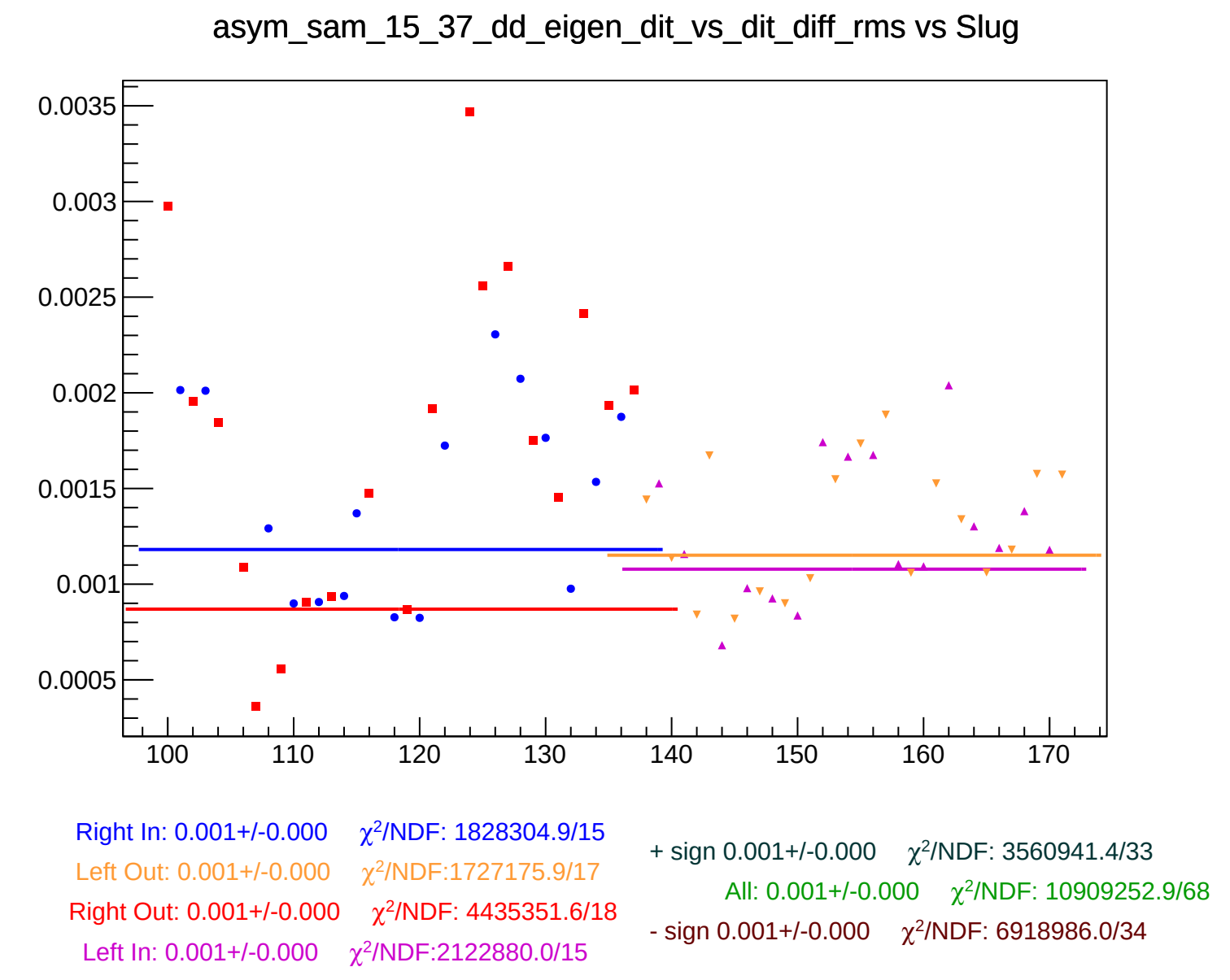
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

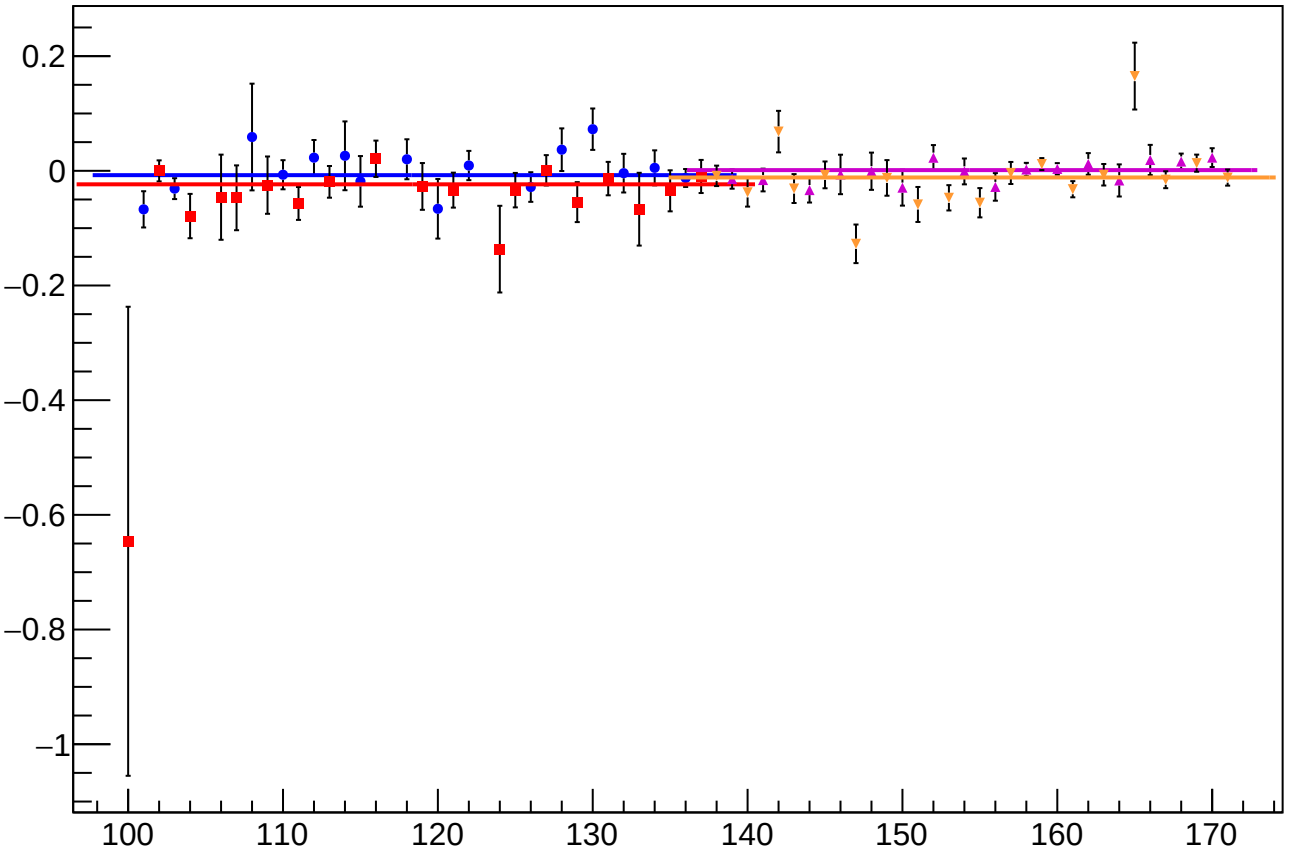
Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/33

All: -0.000+/-0.000 χ^2/NDF: 75.4/68

- sign -0.000+/-0.000 χ^2/NDF: 27.0/34


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
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1727175.9/17
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2122880.0/15
+ sign 0.001+/-0.000 χ²/NDF: 3560941.4/33
All: 0.001+/-0.000 χ²/NDF: 10909252.9/68
- sign 0.001+/-0.000 χ²/NDF: 6918986.0/34



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:45.7/17

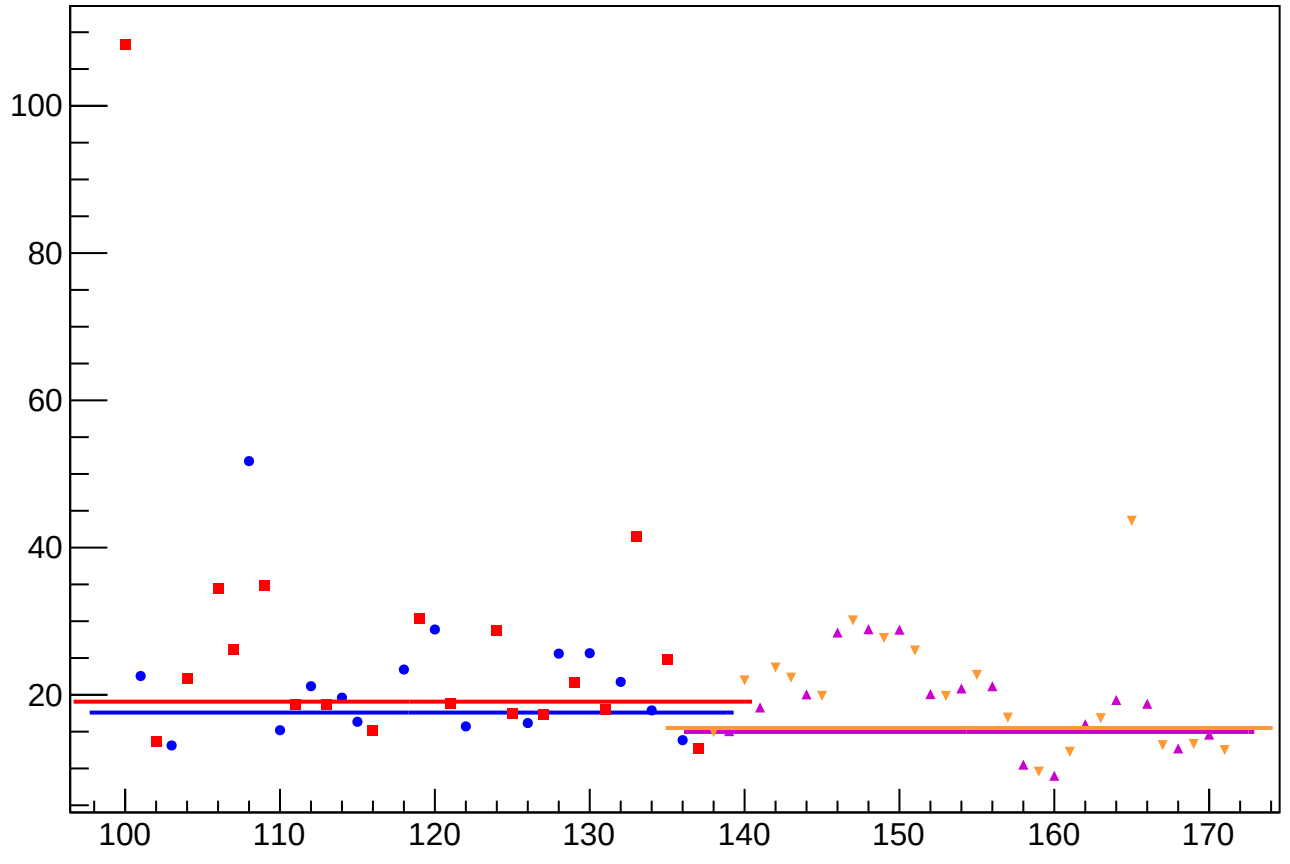
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:11.8/15

+ sign -0.010+/-0.004 χ^2/NDF: 62.7/33

All: -0.008+/-0.003 χ^2/NDF: 97.8/68

- sign -0.005+/-0.004 χ^2/NDF: 34.1/34



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.500+/-0.003 χ^2/NDF:3036006.1/17

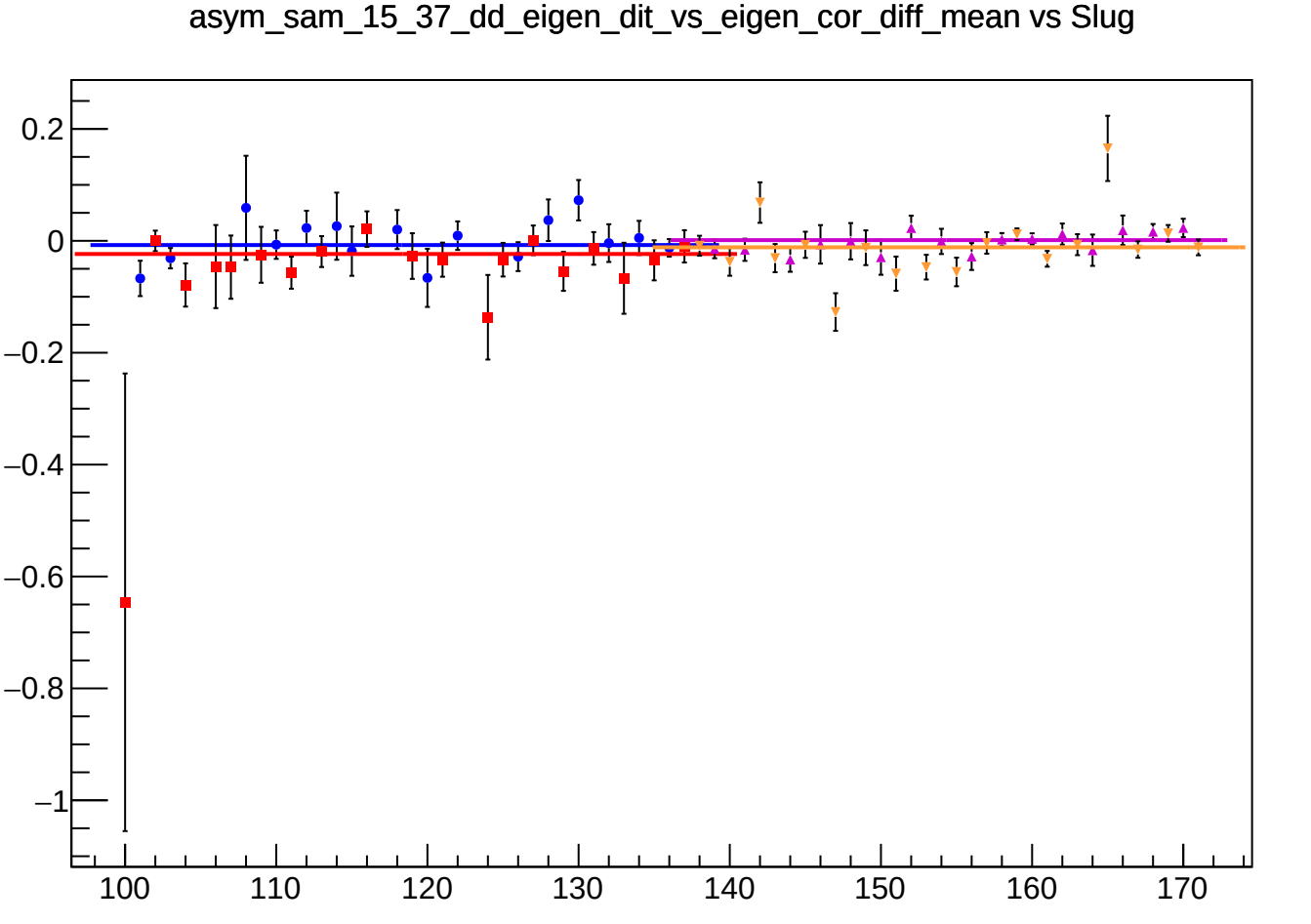
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.960+/-0.003 χ^2/NDF:2766429.6/15

+ sign 16.085+/-0.003 χ^2/NDF: 4150779.7/33

All: 16.049+/-0.002 χ^2/NDF: 8585557.3/68

- sign 16.010+/-0.003 χ^2/NDF: 4434395.6/34



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.012+/-0.004 χ^2/NDF:45.7/17

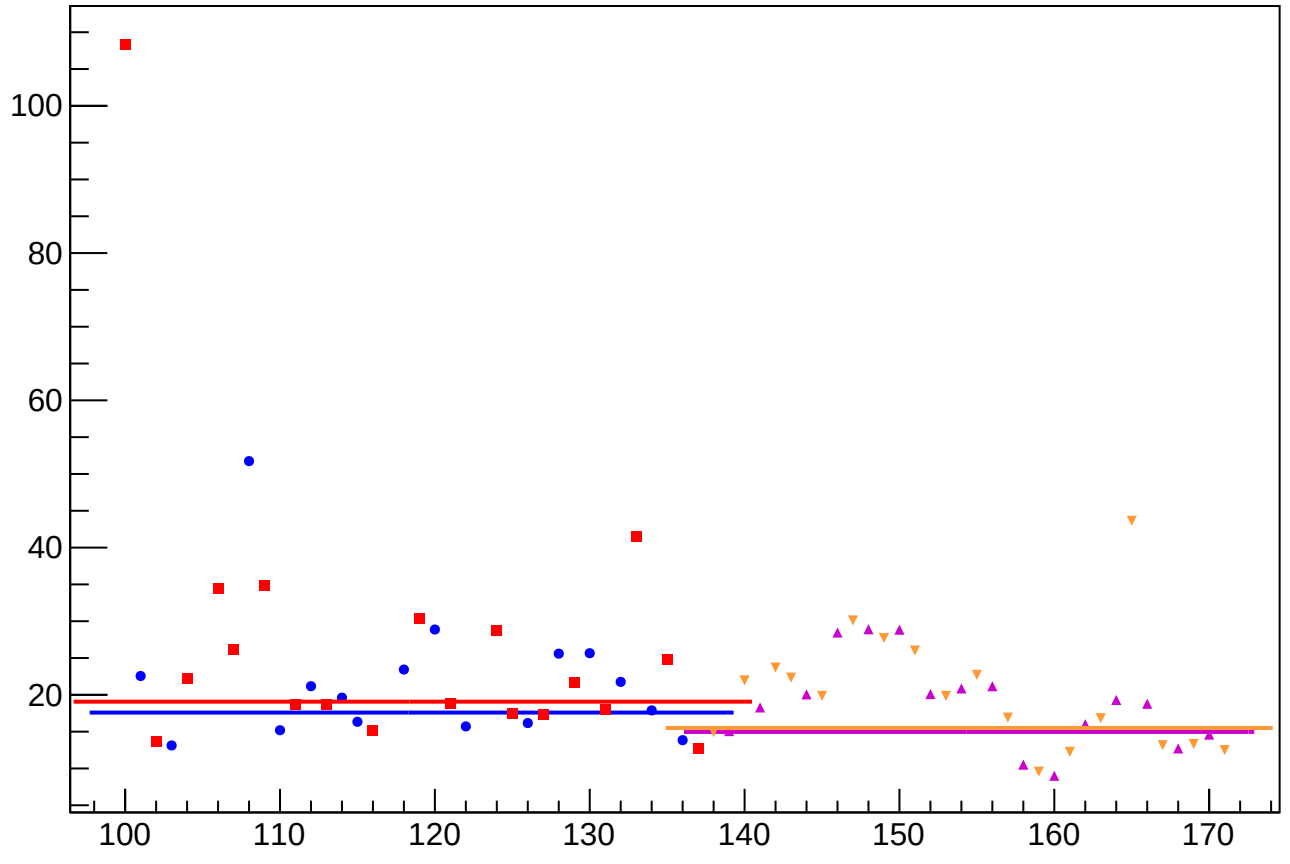
Right Out: -0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.001+/-0.005 χ^2/NDF:11.8/15

+ sign -0.010+/-0.004 χ^2/NDF: 62.7/33

All: -0.008+/-0.003 χ^2/NDF: 97.8/68

- sign -0.005+/-0.004 χ^2/NDF: 34.1/34



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.500+/-0.003 χ^2/NDF:3036006.1/17

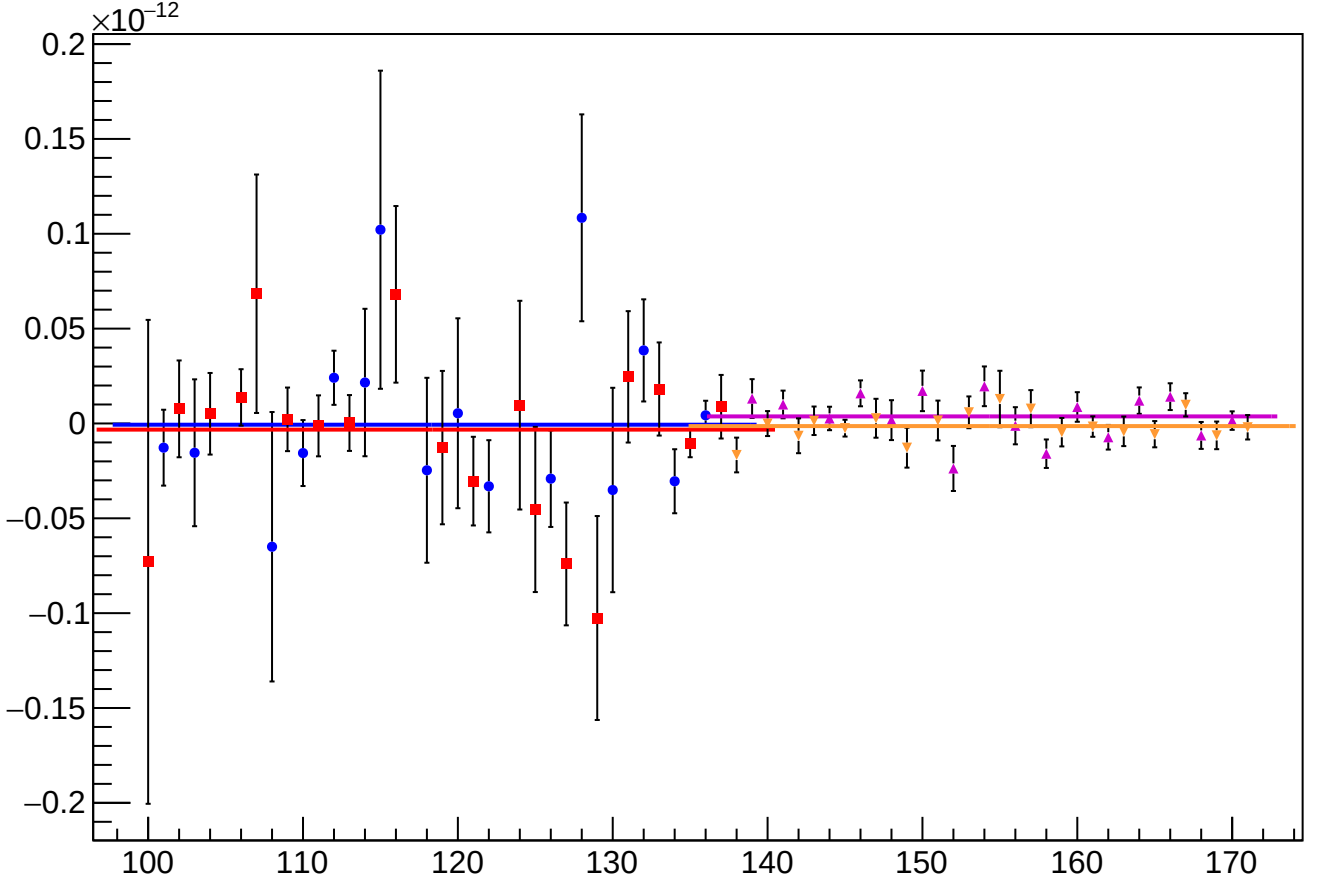
Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.960+/-0.003 χ^2/NDF:2766429.6/15

+ sign 16.085+/-0.003 χ^2/NDF: 4150779.7/33

All: 16.049+/-0.002 χ^2/NDF: 8585557.3/68

- sign 16.010+/-0.003 χ^2/NDF: 4434395.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/17

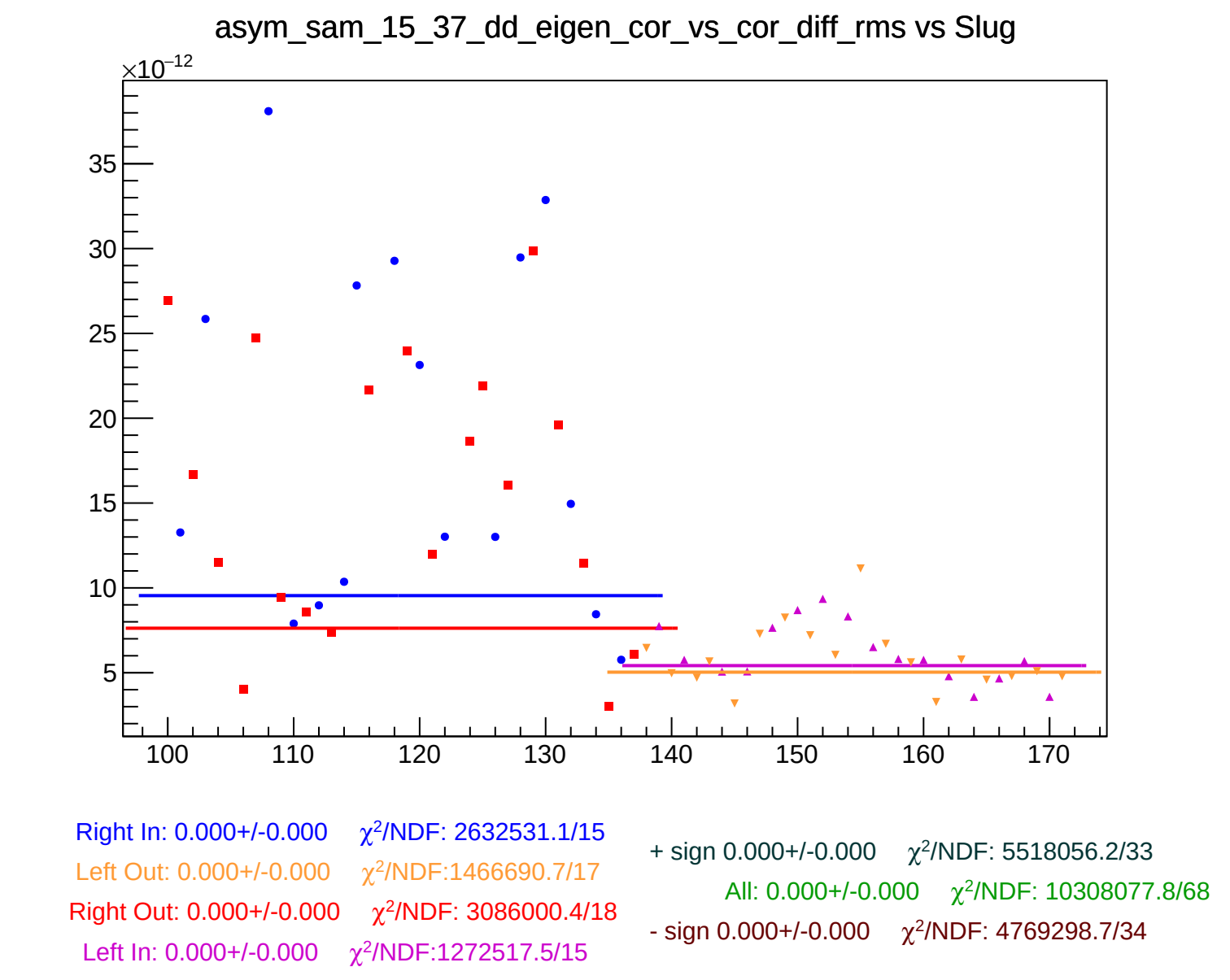
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:30.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/33

All: 0.000+/-0.000 χ^2/NDF: 86.3/68

- sign 0.000+/-0.000 χ^2/NDF: 51.5/34


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
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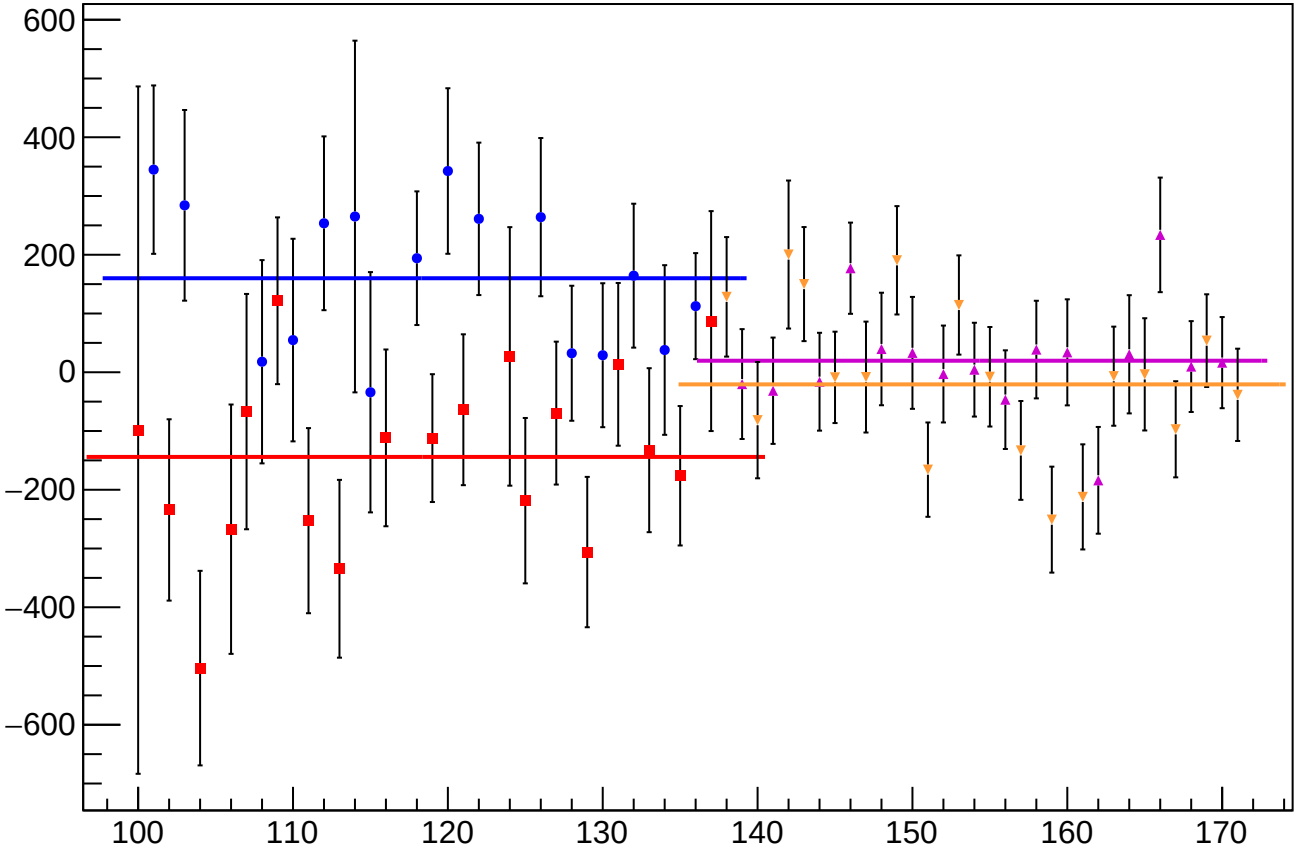
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1466690.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1272517.5/15
+ sign 0.000+/-0.000 χ²/NDF: 5518056.2/33
All: 0.000+/-0.000 χ²/NDF: 10308077.8/68
- sign 0.000+/-0.000 χ²/NDF: 4769298.7/34

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.640+/-20.809 χ^2/NDF:34.6/17

Right Out: -144.117+/-34.213 χ^2/NDF: 17.4/18

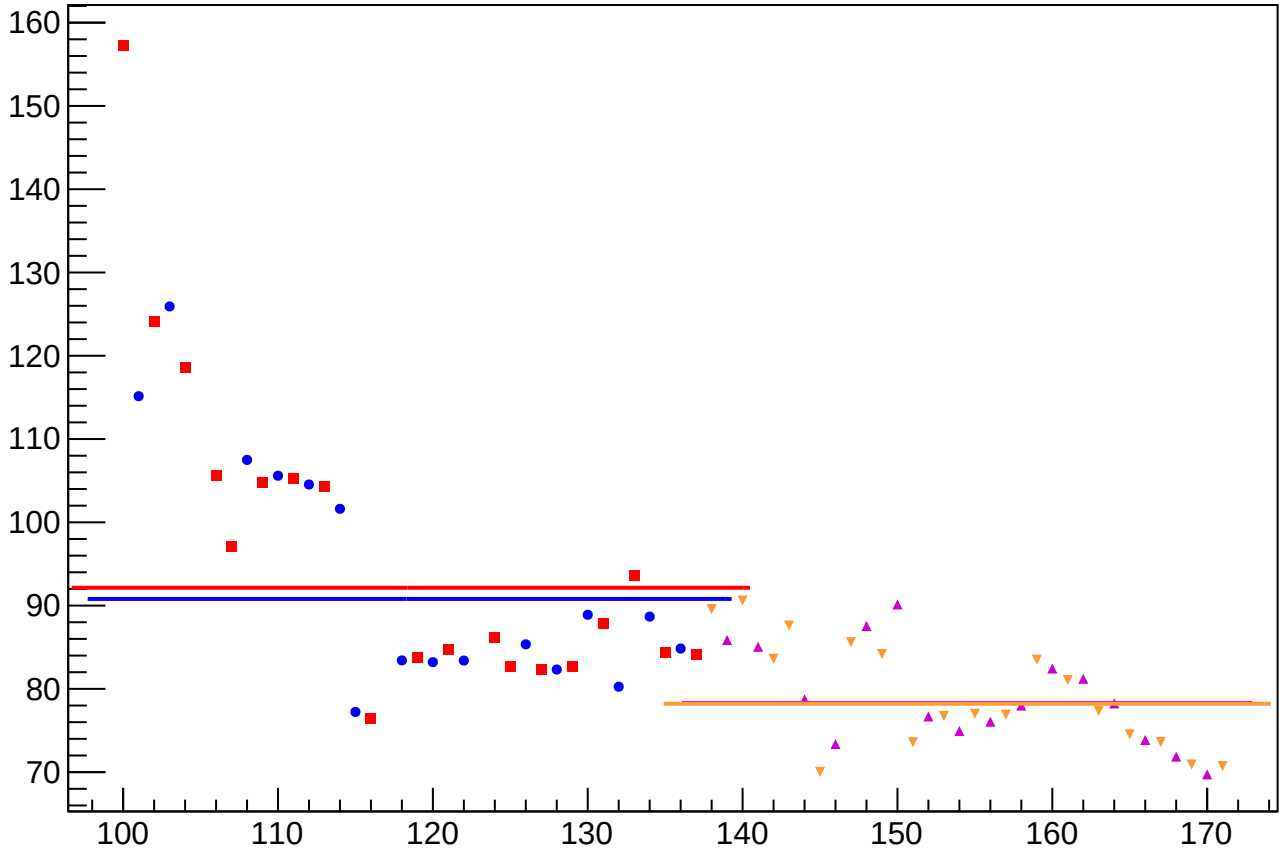
Left In: 19.621+/-21.628 χ^2/NDF:15.5/15

+ sign 28.237+/-17.773 χ^2/NDF: 66.0/33

All: 1.335+/-12.743 χ^2/NDF: 120.1/68

- sign -27.128+/-18.281 χ^2/NDF: 49.3/34

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 78.219+/-0.015 χ^2/NDF:183267.3/17

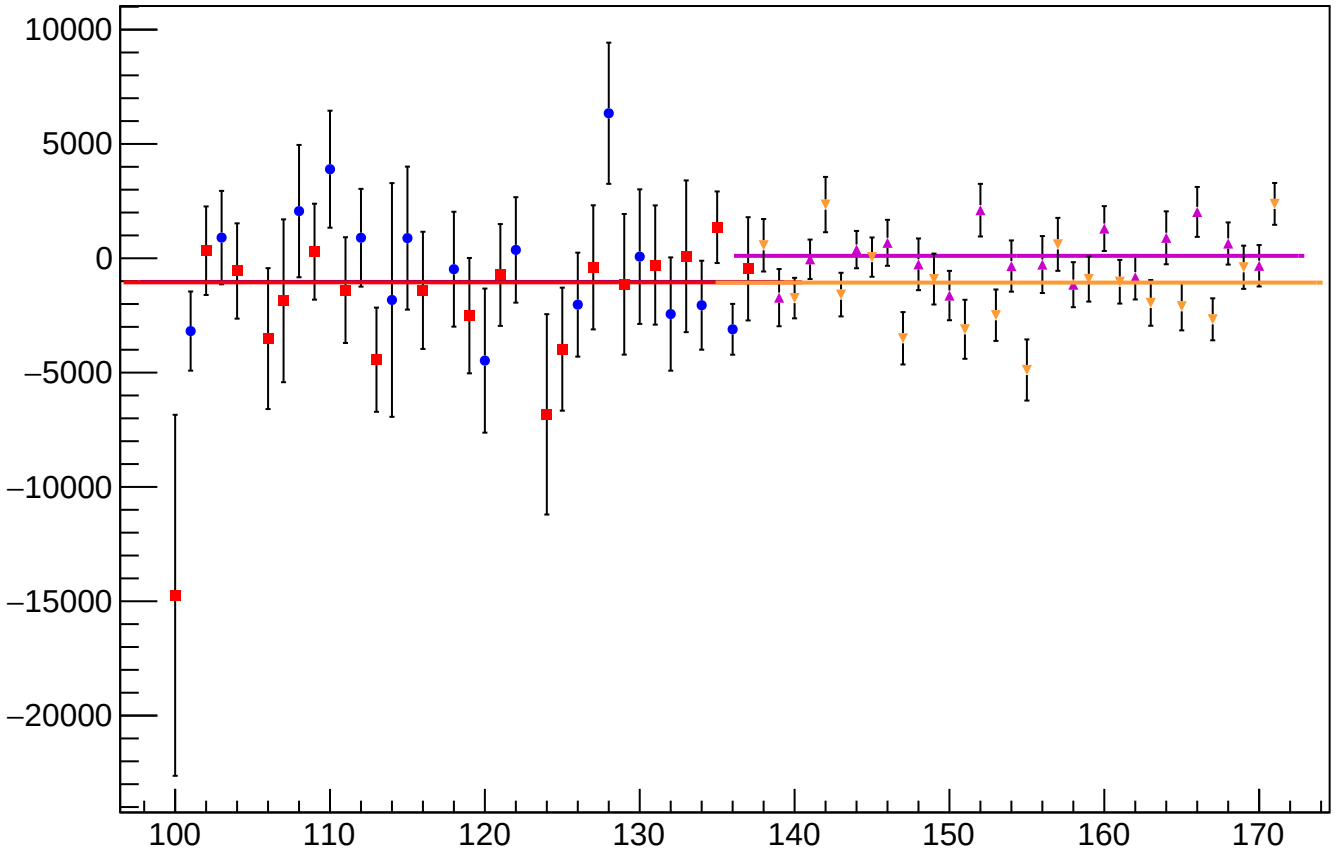
Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

+ sign 81.623+/-0.013 χ^2/NDF: 653858.3/33

All: 81.932+/-0.009 χ^2/NDF: 1326977.6/68

- sign 82.259+/-0.013 χ^2/NDF: 671876.5/34



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1062.993+/-242.833 χ^2/NDF:51.0/17

Right Out: -1051.517+/-568.935 χ^2/NDF: 12.9/18

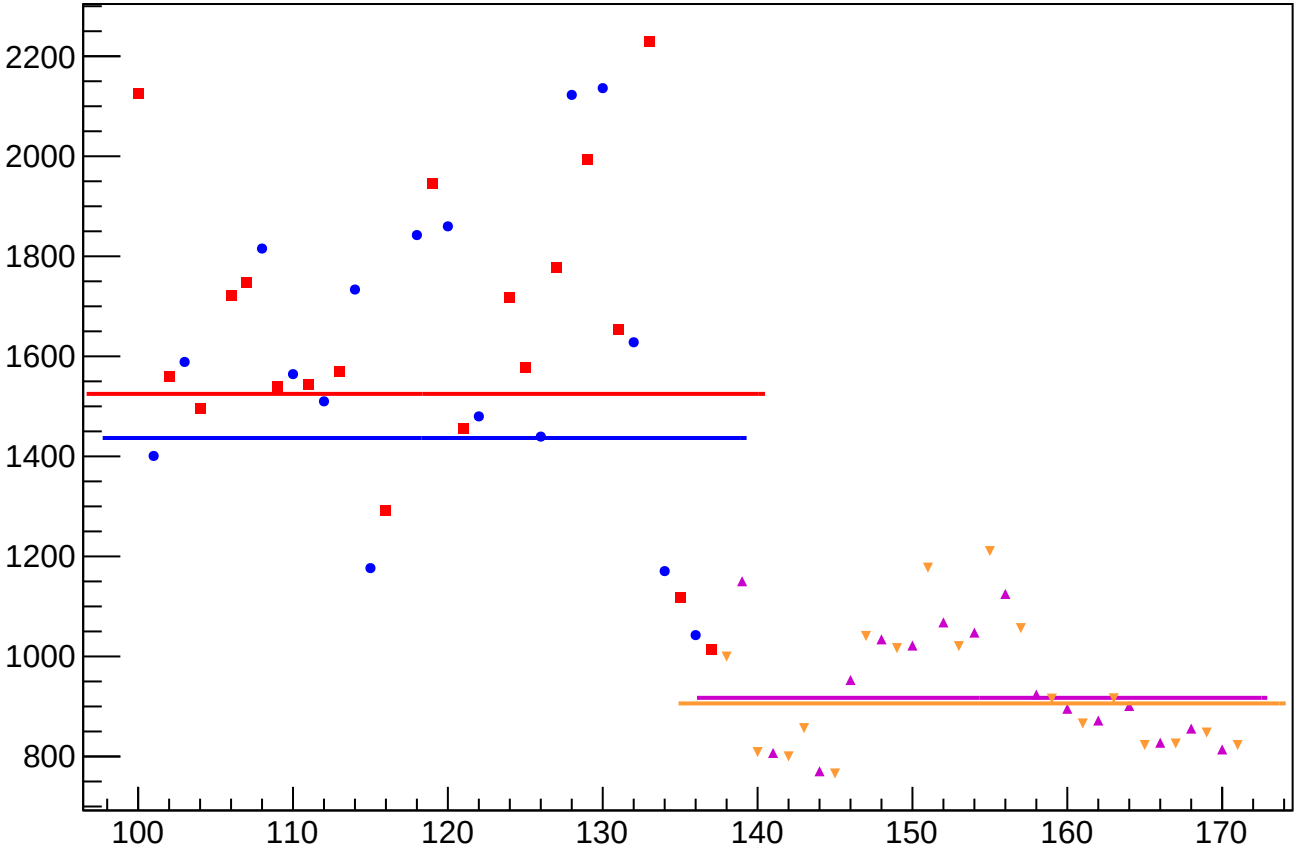
Left In: 105.938+/-254.701 χ^2/NDF:16.7/15

+ sign -1058.434+/-222.158 χ^2/NDF: 71.2/33

All: -594.883+/-160.611 χ^2/NDF: 113.4/68

- sign -87.307+/-232.469 χ^2/NDF: 33.1/34

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 906.075+/-0.172 χ^2/NDF:461241.3/17

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

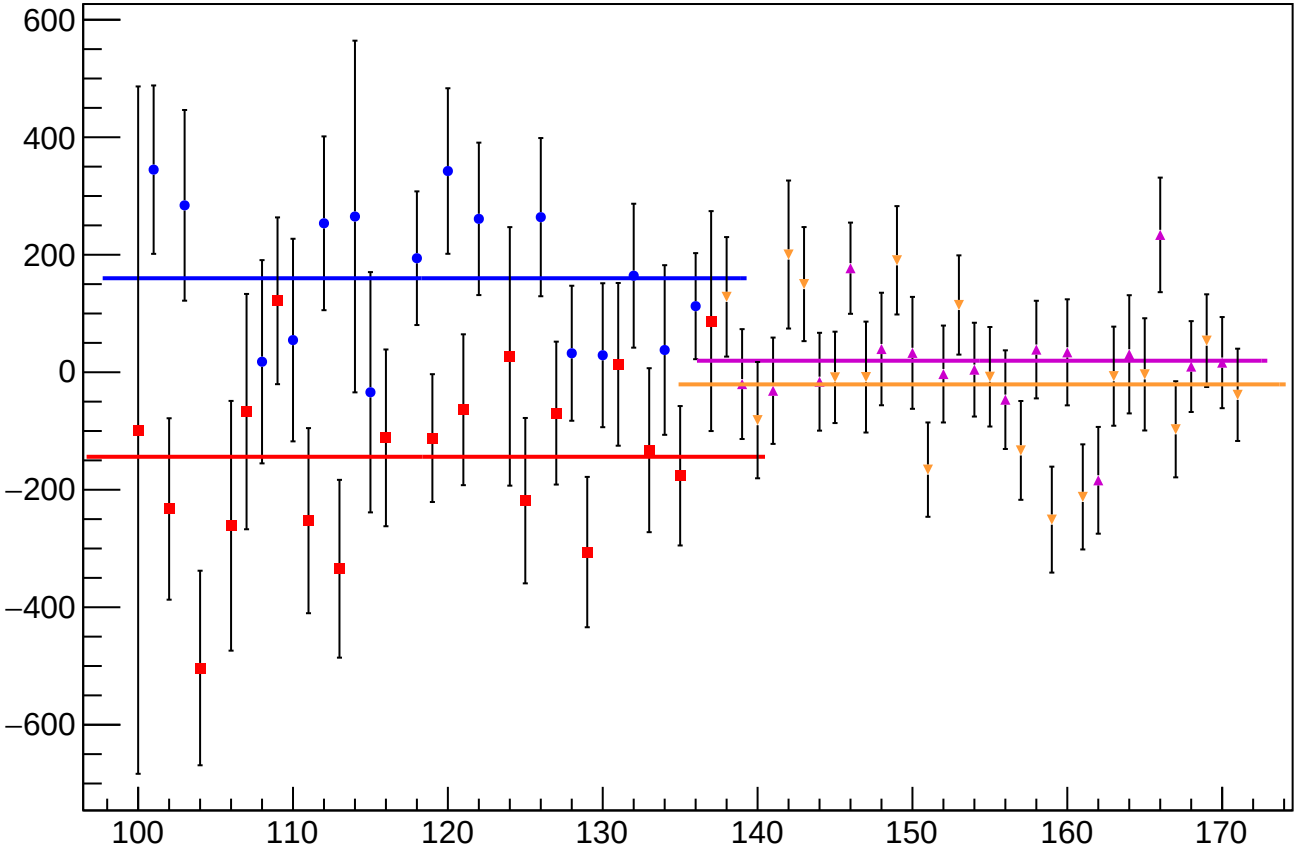
Left In: 917.267+/-0.180 χ^2/NDF:380648.6/15

+ sign 992.589+/-0.157 χ^2/NDF: 2694019.8/33

All: 1005.065+/-0.114 χ^2/NDF: 5493236.2/68

- sign 1018.725+/-0.164 χ^2/NDF: 2786004.0/34

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.638+/-20.809 χ^2/NDF:34.6/17

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

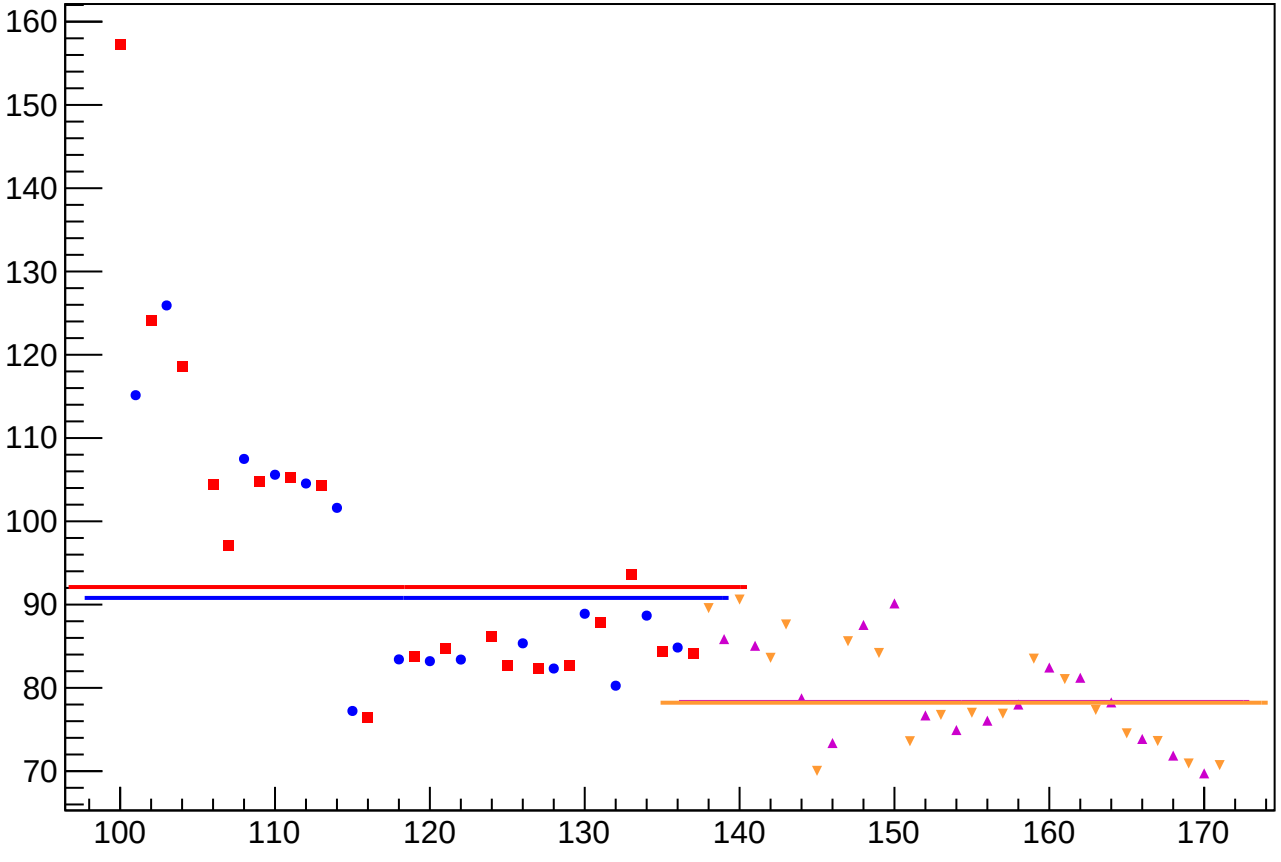
Left In: 19.623+/-21.628 χ^2/NDF:15.5/15

+ sign 28.238+/-17.773 χ^2/NDF: 66.0/33

All: 1.374+/-12.743 χ^2/NDF: 119.9/68

- sign -27.049+/-18.282 χ^2/NDF: 49.2/34

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.219+/-0.015 χ^2/NDF:183267.3/17

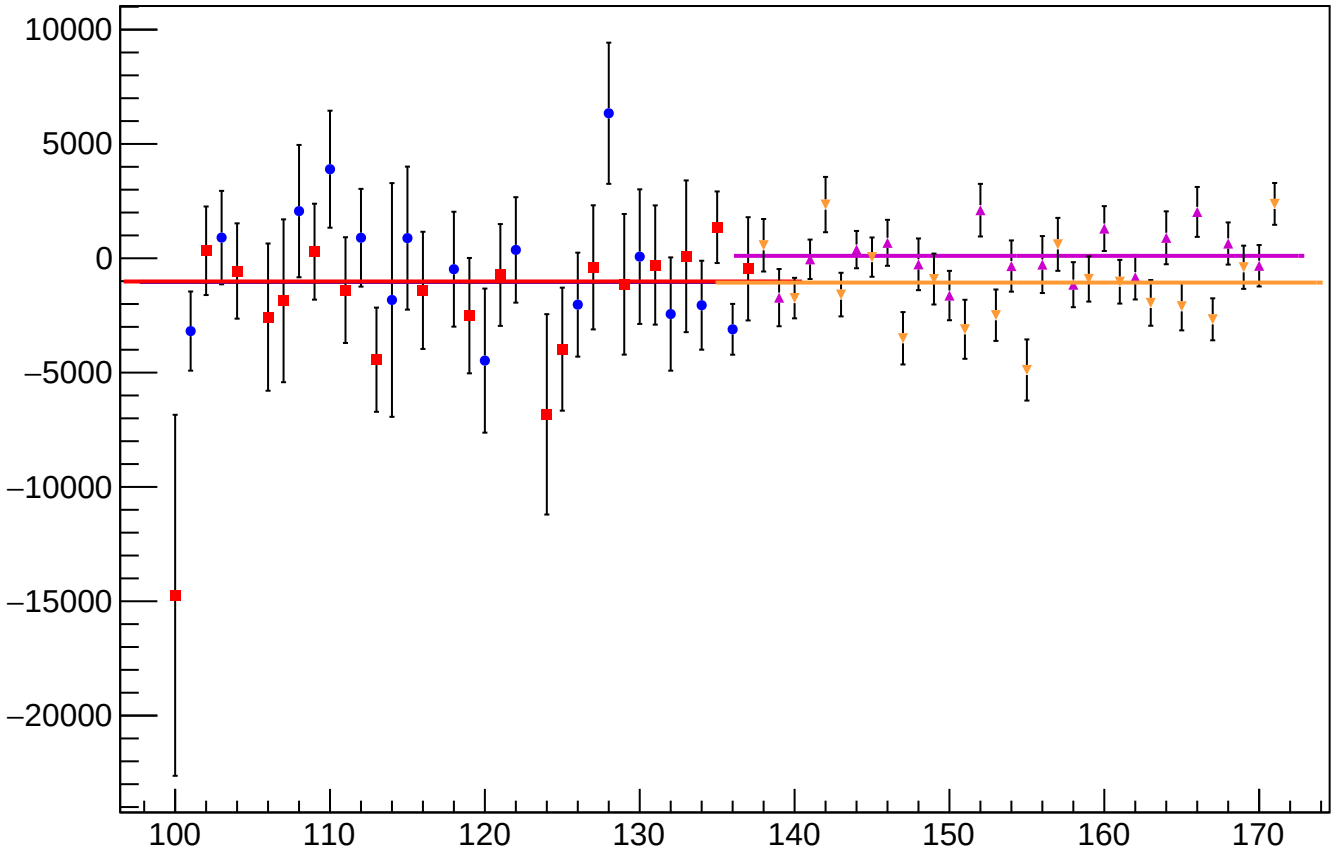
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

+ sign 81.623+/-0.013 χ^2/NDF: 653860.2/33

All: 81.927+/-0.009 χ^2/NDF: 1324540.5/68

- sign 82.249+/-0.013 χ^2/NDF: 669475.5/34



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1062.989+/-242.833 χ^2/NDF:51.0/17

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

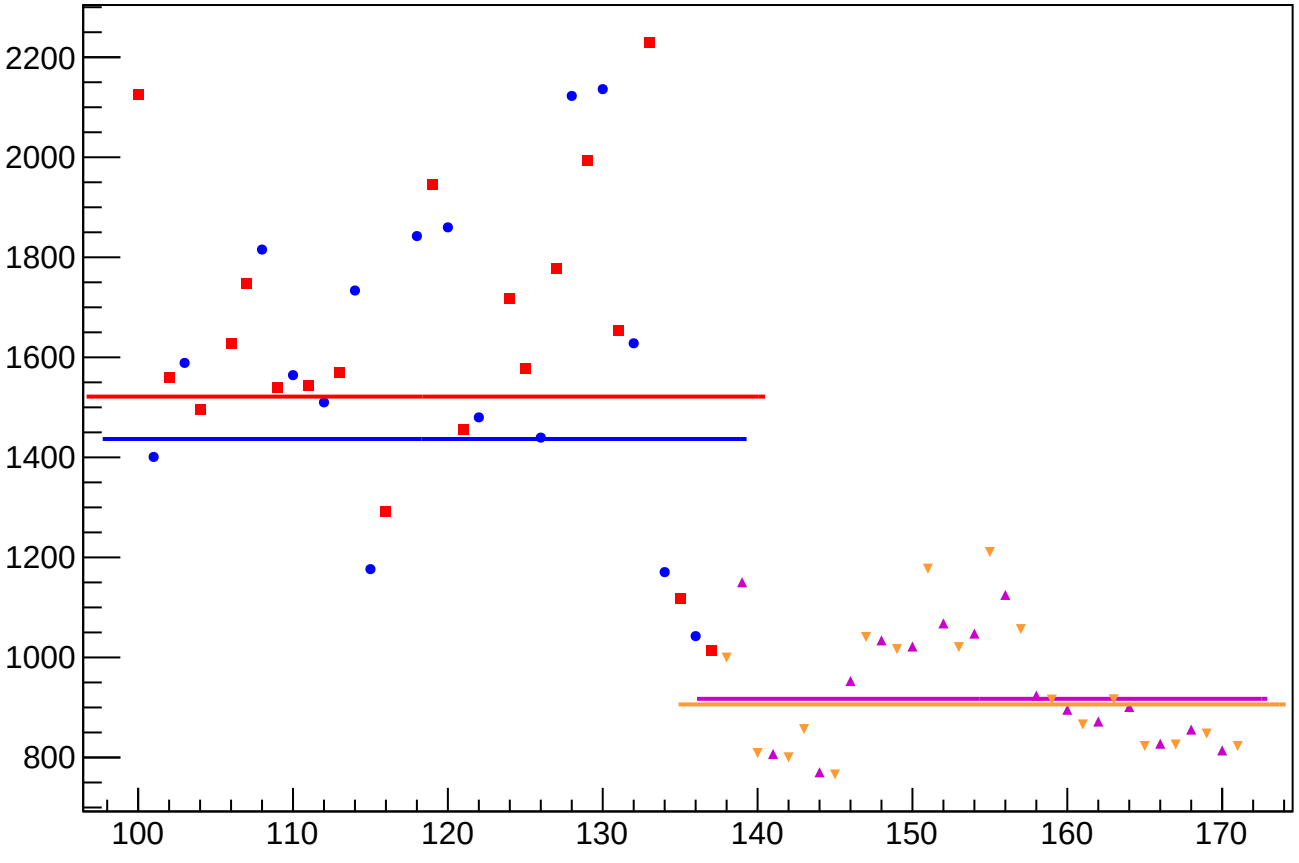
Left In: 105.935+/-254.701 χ^2/NDF:16.7/15

+ sign -1058.428+/-222.158 χ^2/NDF: 71.2/33

All: -591.902+/-160.630 χ^2/NDF: 112.9/68

- sign -80.818+/-232.526 χ^2/NDF: 32.4/34

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 906.075+/-0.172 χ^2/NDF:461242.4/17

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

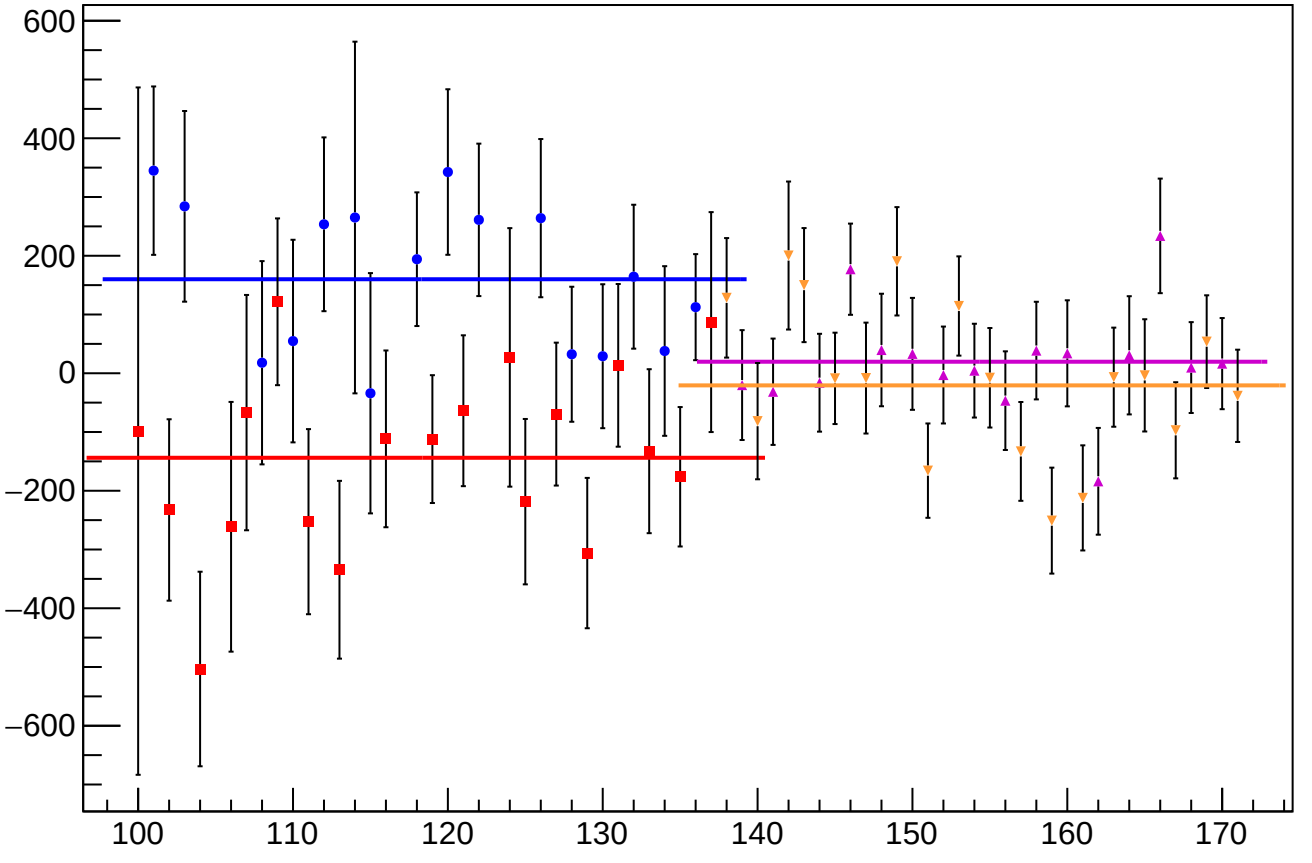
Left In: 917.267+/-0.180 χ^2/NDF:380648.1/15

+ sign 992.589+/-0.157 χ^2/NDF: 2694044.0/33

All: 1004.668+/-0.114 χ^2/NDF: 5460052.3/68

- sign 1017.900+/-0.164 χ^2/NDF: 2753619.4/34

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.638+/-20.809 χ^2/NDF:34.6/17

Right Out: -143.862+/-34.216 χ^2/NDF: 17.3/18

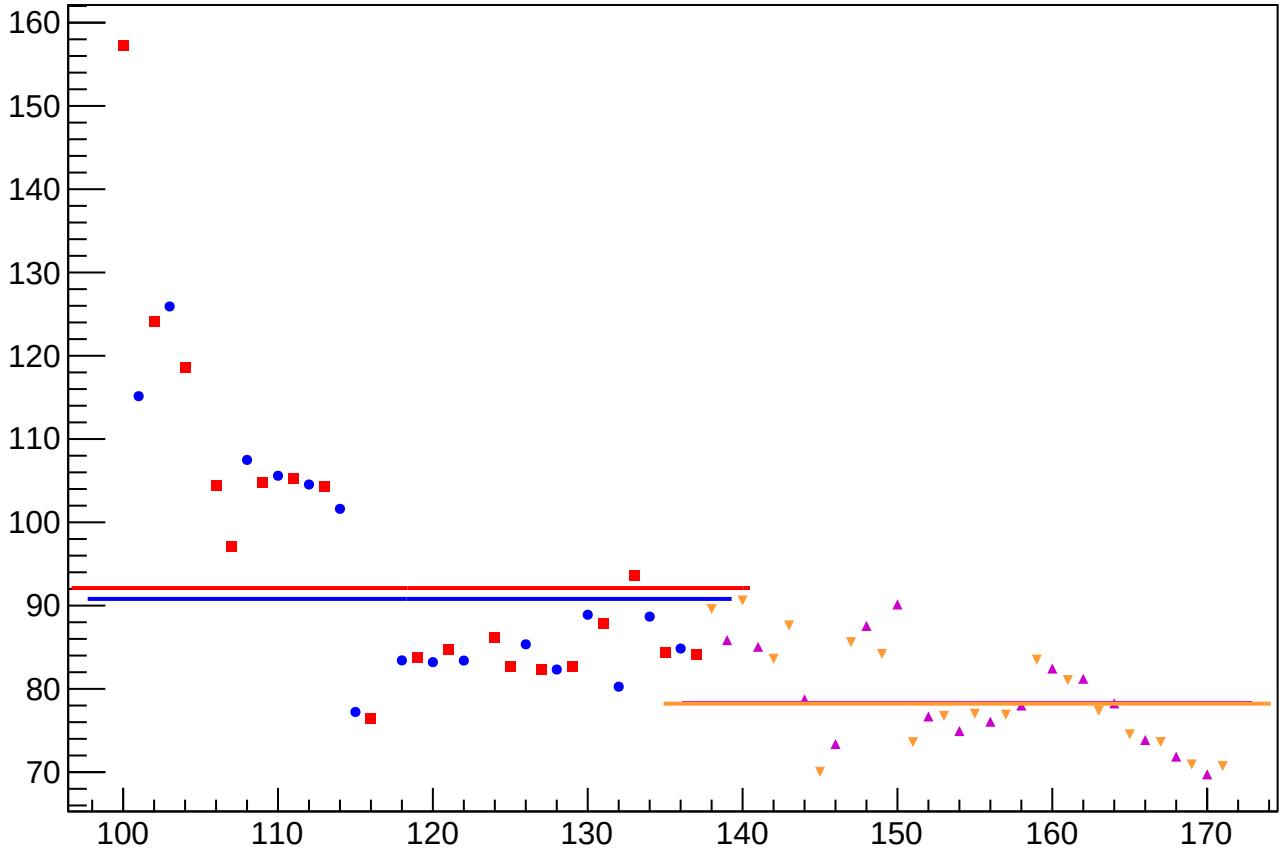
Left In: 19.623+/-21.628 χ^2/NDF:15.5/15

+ sign 28.238+/-17.773 χ^2/NDF: 66.0/33

All: 1.374+/-12.743 χ^2/NDF: 119.9/68

- sign -27.049+/-18.282 χ^2/NDF: 49.2/34

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.219+/-0.015 χ^2/NDF:183267.3/17

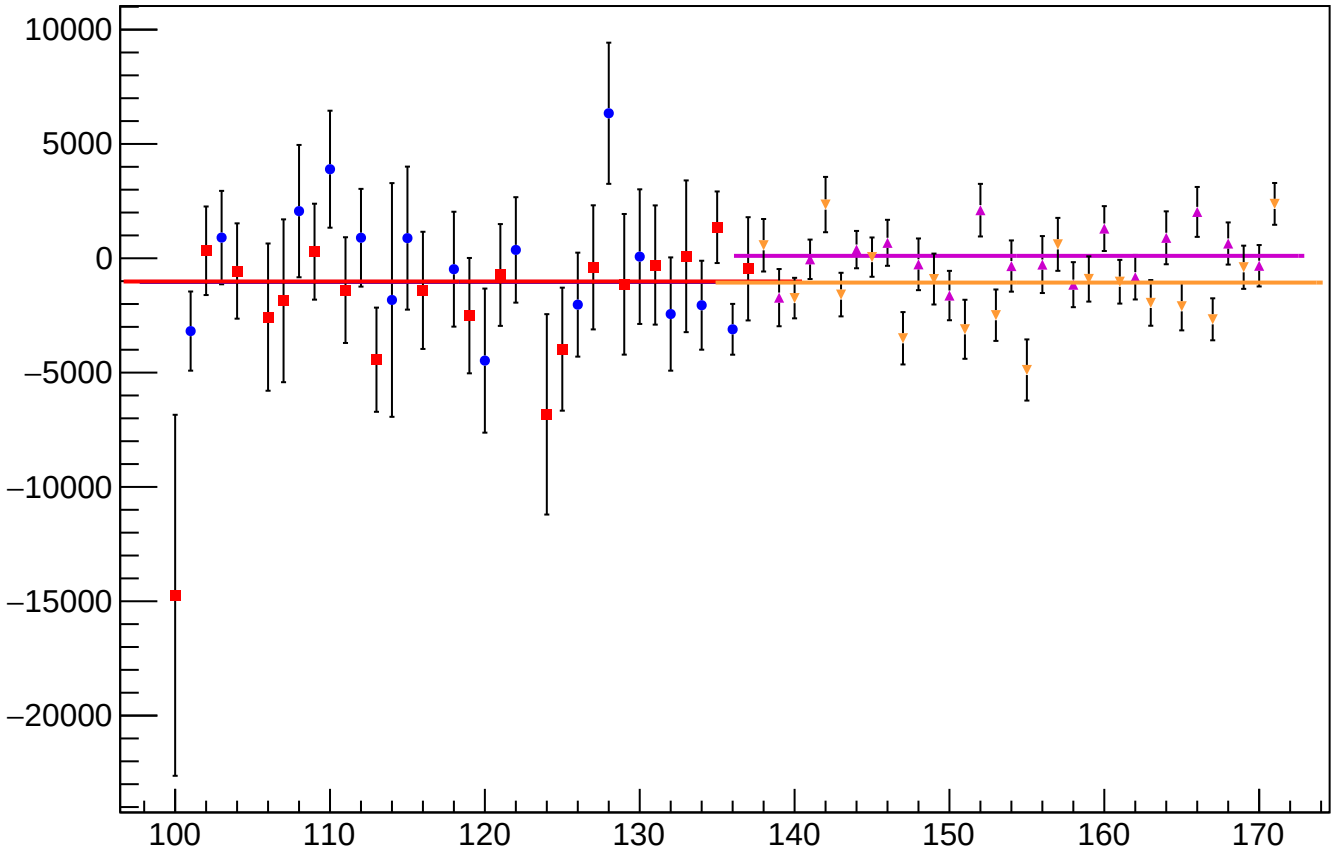
Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 78.310+/-0.015 χ^2/NDF:136299.0/15

+ sign 81.623+/-0.013 χ^2/NDF: 653860.2/33

All: 81.927+/-0.009 χ^2/NDF: 1324540.5/68

- sign 82.249+/-0.013 χ^2/NDF: 669475.5/34



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1062.989+/-242.833 χ^2/NDF:51.0/17

Right Out: -1015.387+/-569.773 χ^2/NDF: 12.5/18

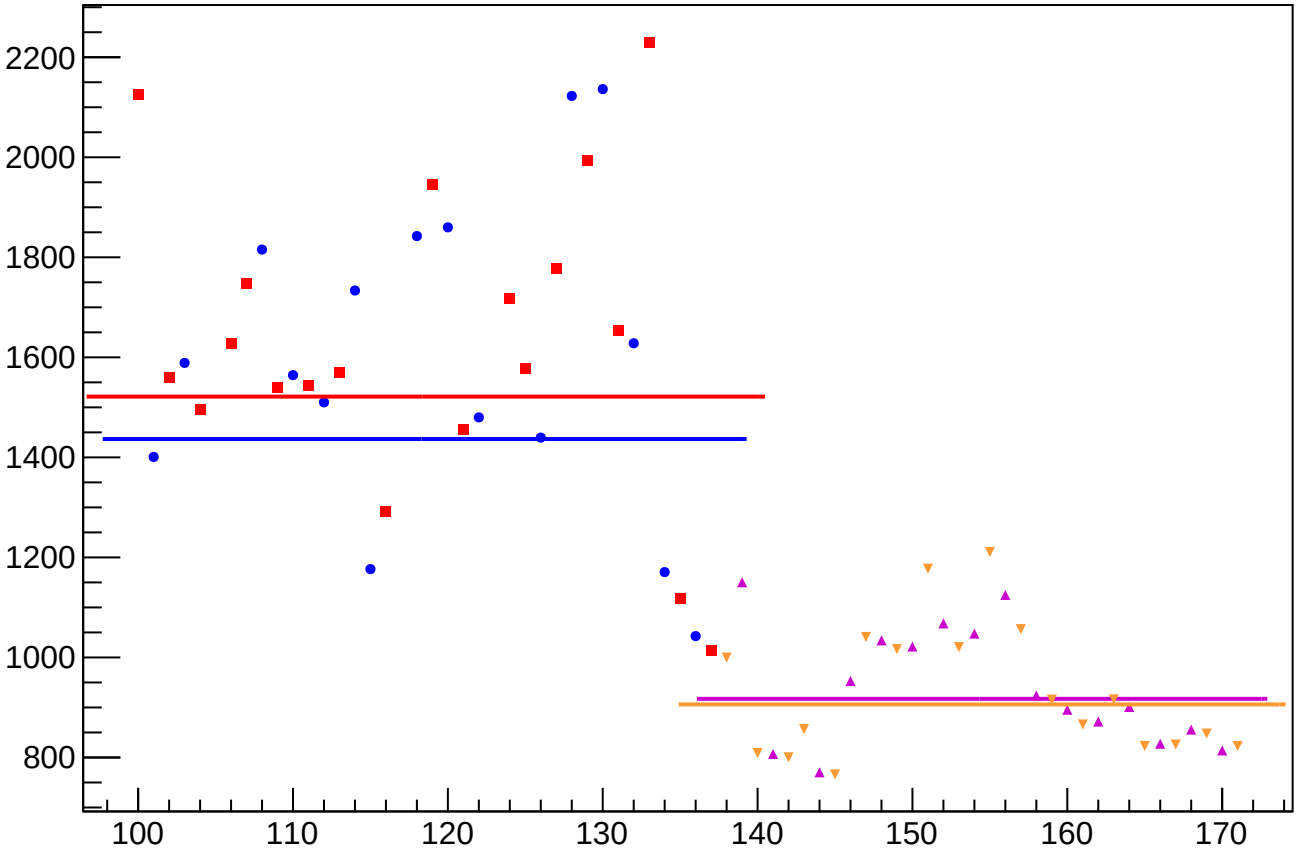
Left In: 105.935+/-254.701 χ^2/NDF:16.7/15

+ sign -1058.428+/-222.158 χ^2/NDF: 71.2/33

All: -591.902+/-160.630 χ^2/NDF: 112.9/68

- sign -80.818+/-232.526 χ^2/NDF: 32.4/34

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 906.075+/-0.172 χ^2/NDF:461242.4/17

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

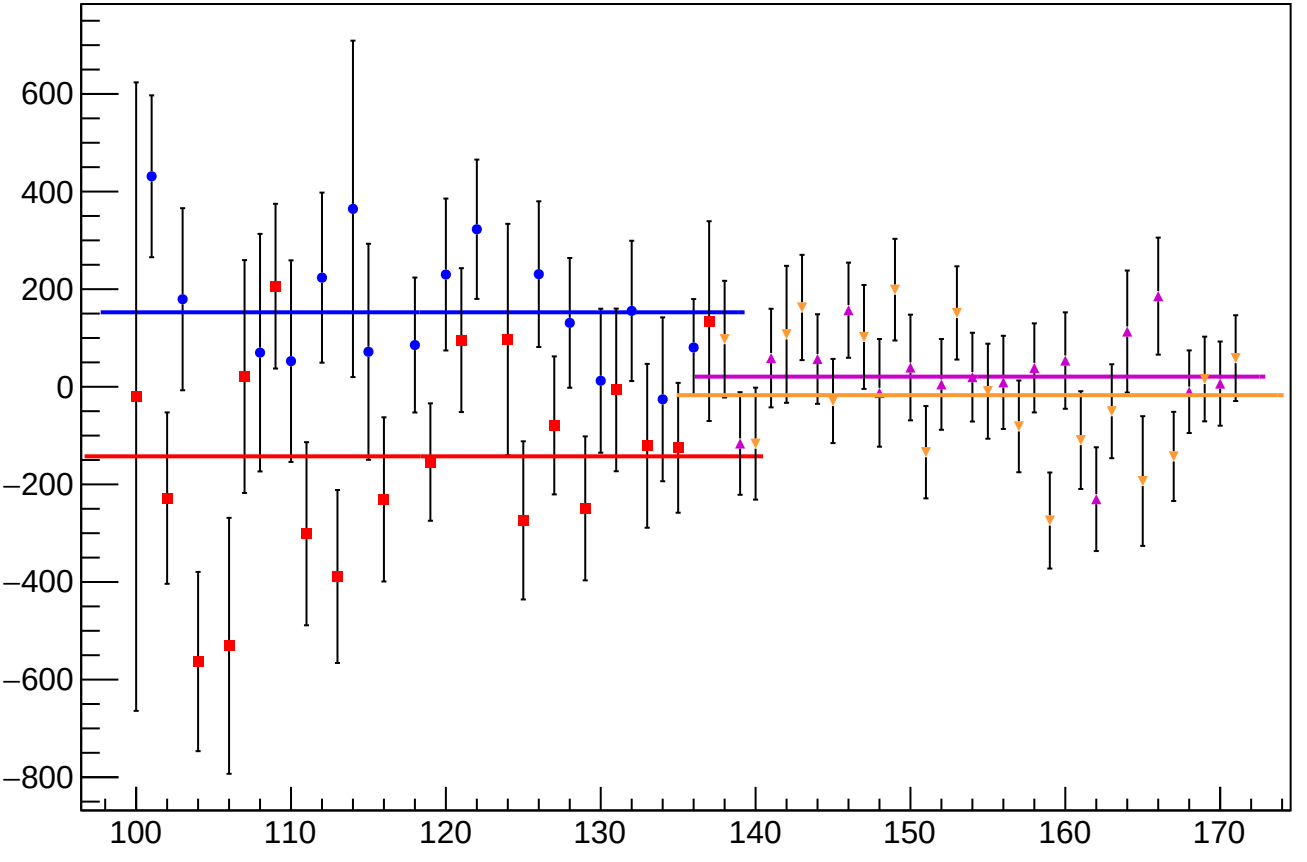
Left In: 917.267+/-0.180 χ^2/NDF:380648.1/15

+ sign 992.589+/-0.157 χ^2/NDF: 2694044.0/33

All: 1004.668+/-0.114 χ^2/NDF: 5460052.3/68

- sign 1017.900+/-0.164 χ^2/NDF: 2753619.4/34

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.129+/-23.654 χ^2/NDF:28.2/17

Right Out: -142.496+/-39.340 χ^2/NDF: 22.9/18

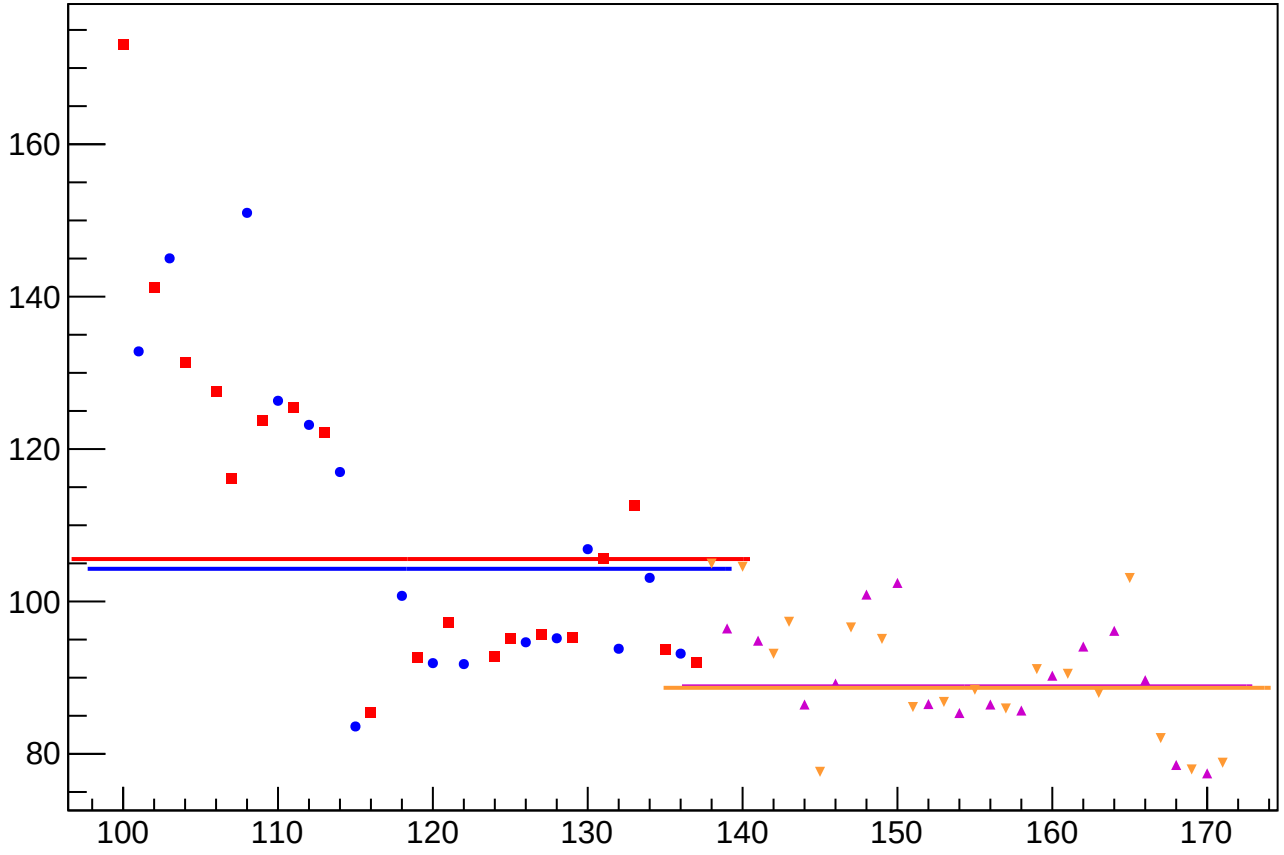
Left In: 20.800+/-24.659 χ^2/NDF:12.4/15

+ sign 27.767+/-20.286 χ^2/NDF: 50.5/33

All: 2.035+/-14.554 χ^2/NDF: 101.5/68

- sign -25.261+/-20.894 χ^2/NDF: 47.7/34

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.671+/-0.017 χ^2/NDF:237147.3/17

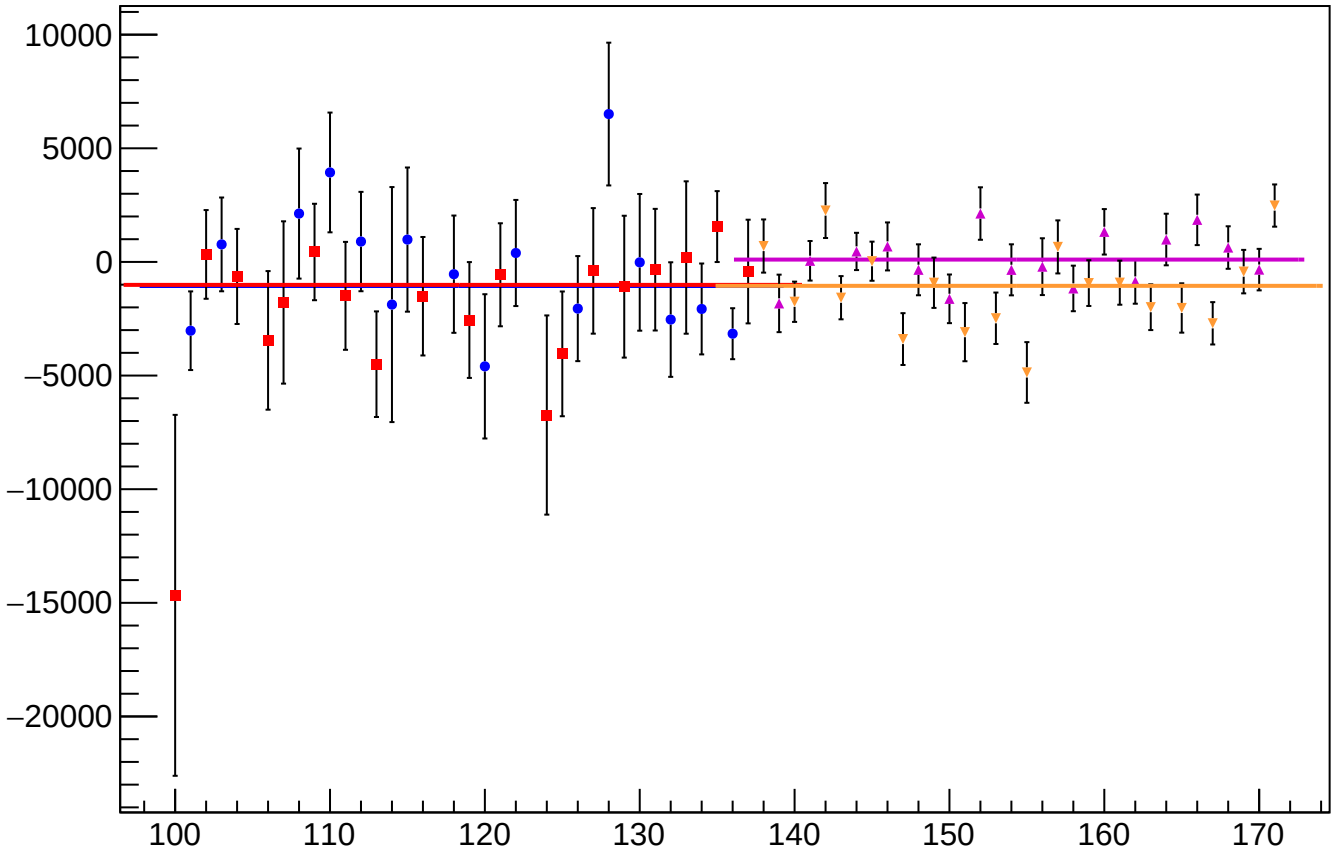
Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.861+/-0.017 χ^2/NDF:158877.1/15

+ sign 92.801+/-0.014 χ^2/NDF: 845982.4/33

All: 93.176+/-0.010 χ^2/NDF: 1609828.4/68

- sign 93.574+/-0.015 χ^2/NDF: 762436.3/34



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1051.919+/-244.666 χ^2/NDF:50.7/17

Right Out: -1009.907+/-575.100 χ^2/NDF: 13.3/18

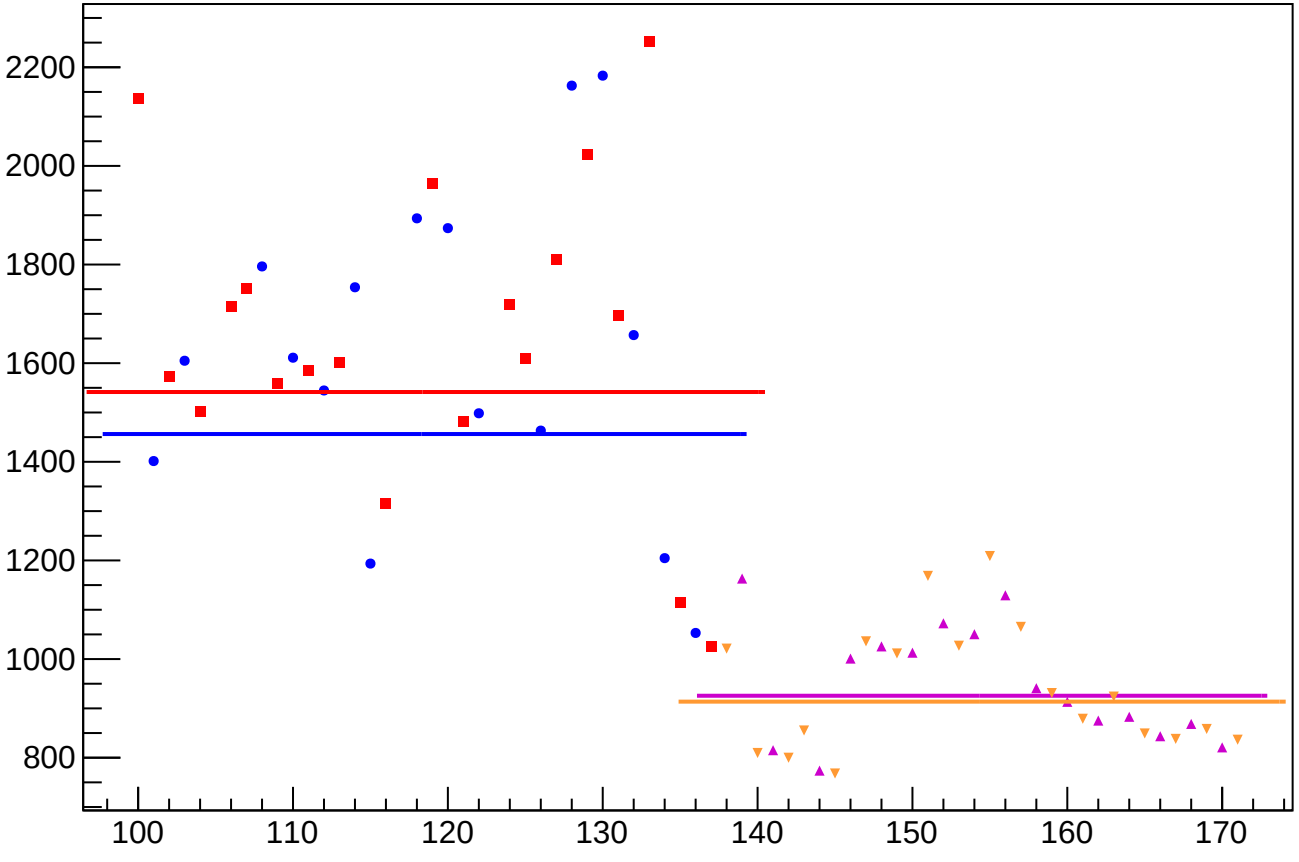
Left In: 103.191+/-256.930 χ^2/NDF:16.6/15

+ sign -1053.119+/-224.050 χ^2/NDF: 70.7/33

All: -589.858+/-162.023 χ^2/NDF: 112.7/68

- sign -82.010+/-234.584 χ^2/NDF: 33.0/34

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 913.684+/-0.173 χ^2/NDF:440862.9/17

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

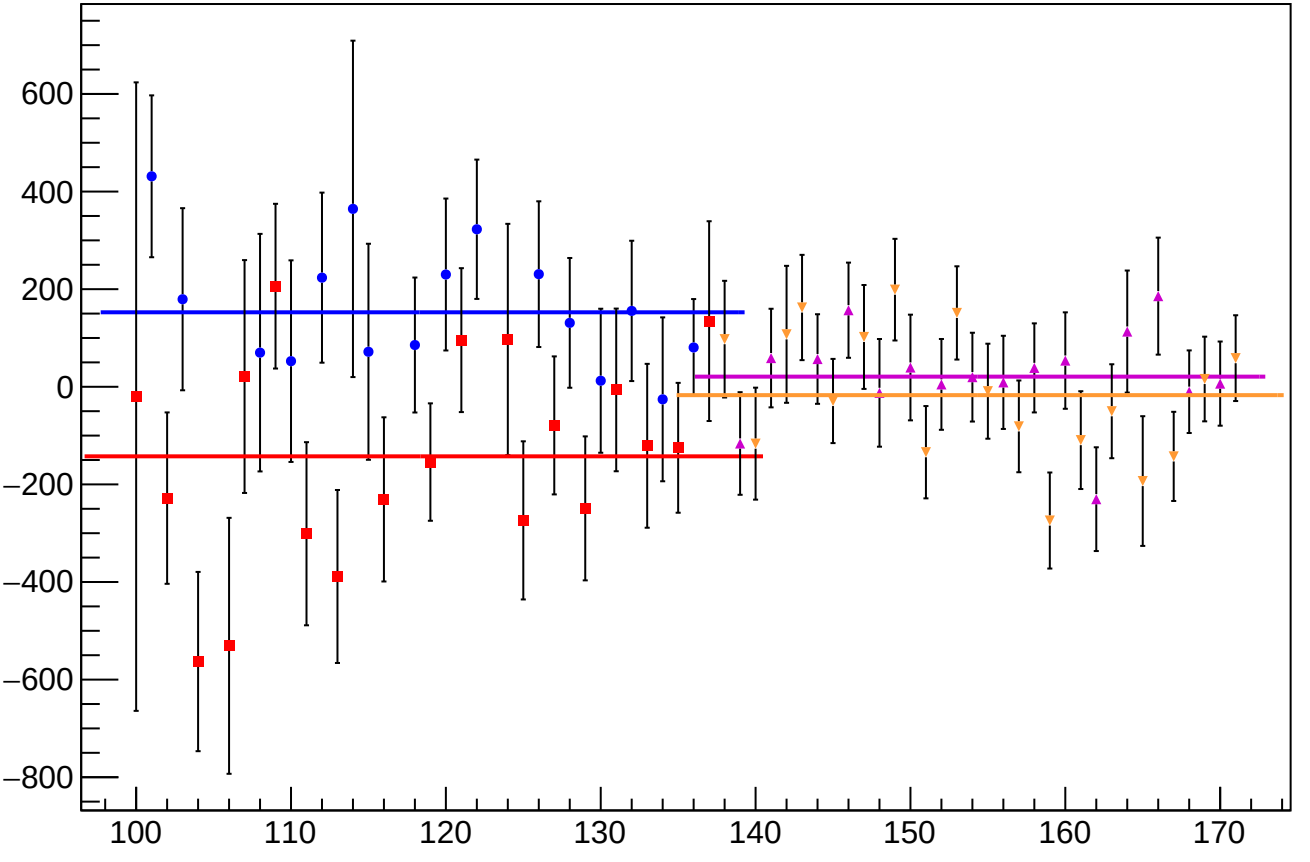
Left In: 925.641+/-0.182 χ^2/NDF:374526.2/15

+ sign 1001.277+/-0.158 χ^2/NDF: 2713655.5/33

All: 1014.079+/-0.115 χ^2/NDF: 5533279.2/68

- sign 1028.113+/-0.166 χ^2/NDF: 2805935.4/34

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -17.129+/-23.654 χ^2/NDF:28.2/17

Right Out: -142.494+/-39.340 χ^2/NDF: 22.9/18

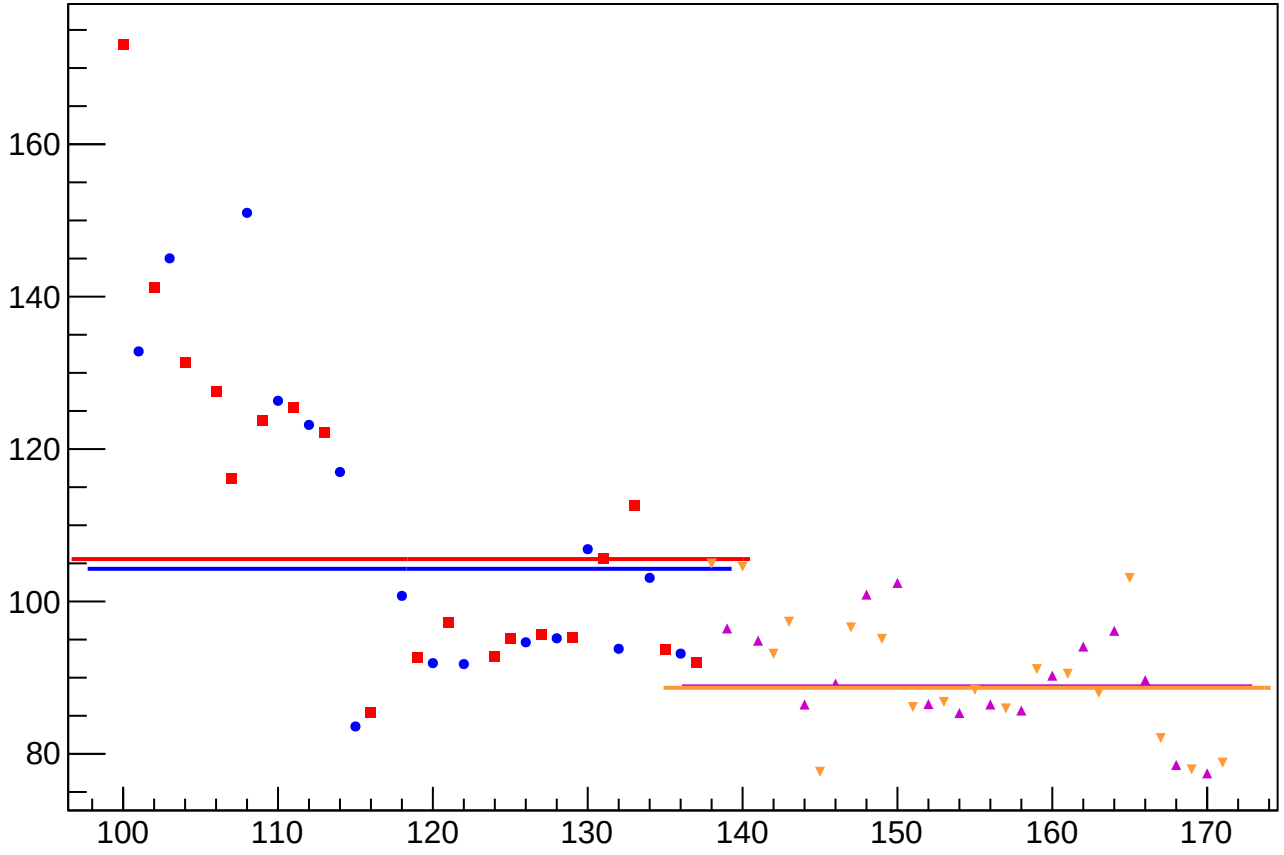
Left In: 20.800+/-24.659 χ^2/NDF:12.4/15

+ sign 27.768+/-20.286 χ^2/NDF: 50.5/33

All: 2.036+/-14.554 χ^2/NDF: 101.5/68

- sign -25.260+/-20.894 χ^2/NDF: 47.7/34

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.671+/-0.017 χ^2/NDF:237146.0/17

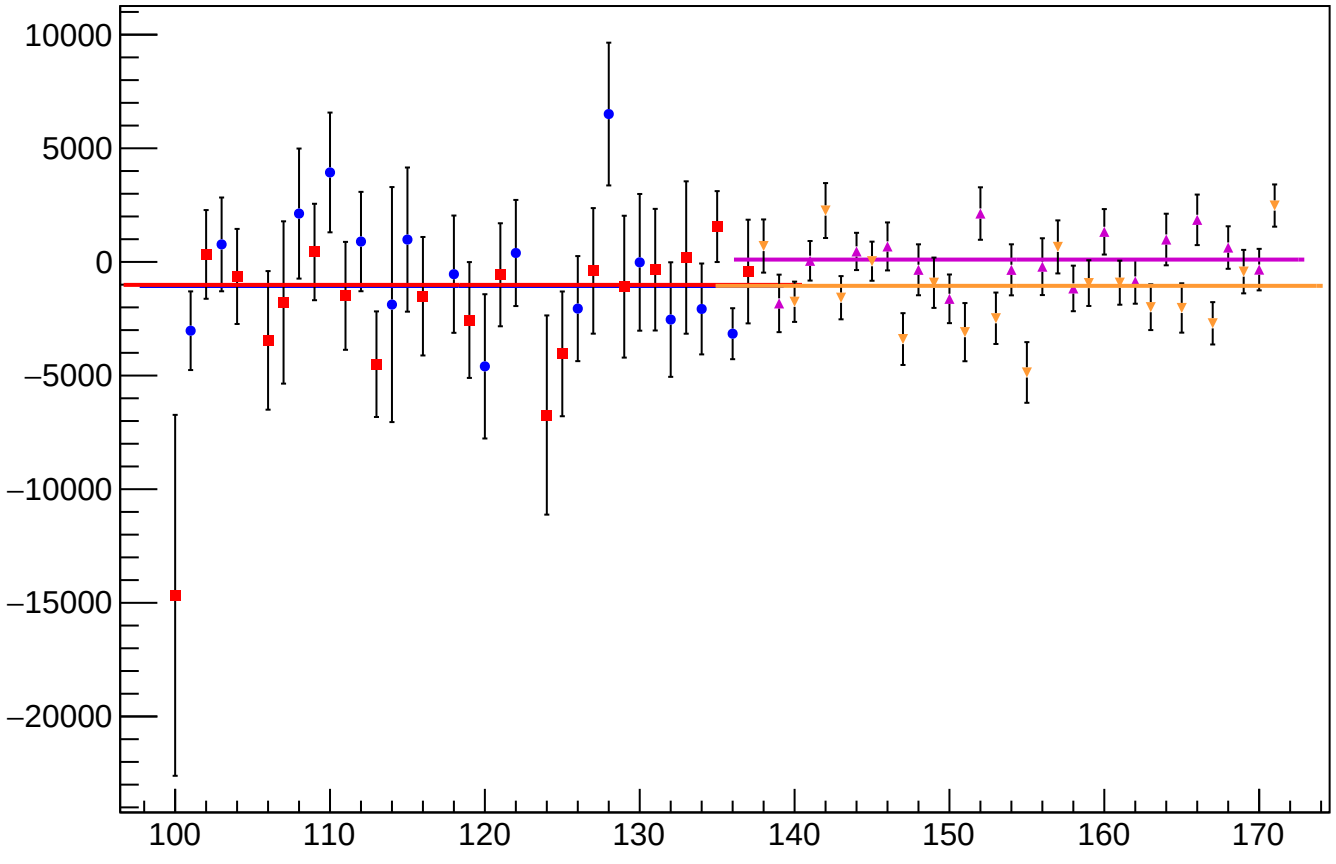
Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.861+/-0.017 χ^2/NDF:158878.8/15

+ sign 92.801+/-0.014 χ^2/NDF: 845954.6/33

All: 93.176+/-0.010 χ^2/NDF: 1609782.3/68

- sign 93.574+/-0.015 χ^2/NDF: 762418.1/34



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1051.918+/-244.666 χ^2/NDF:50.7/17

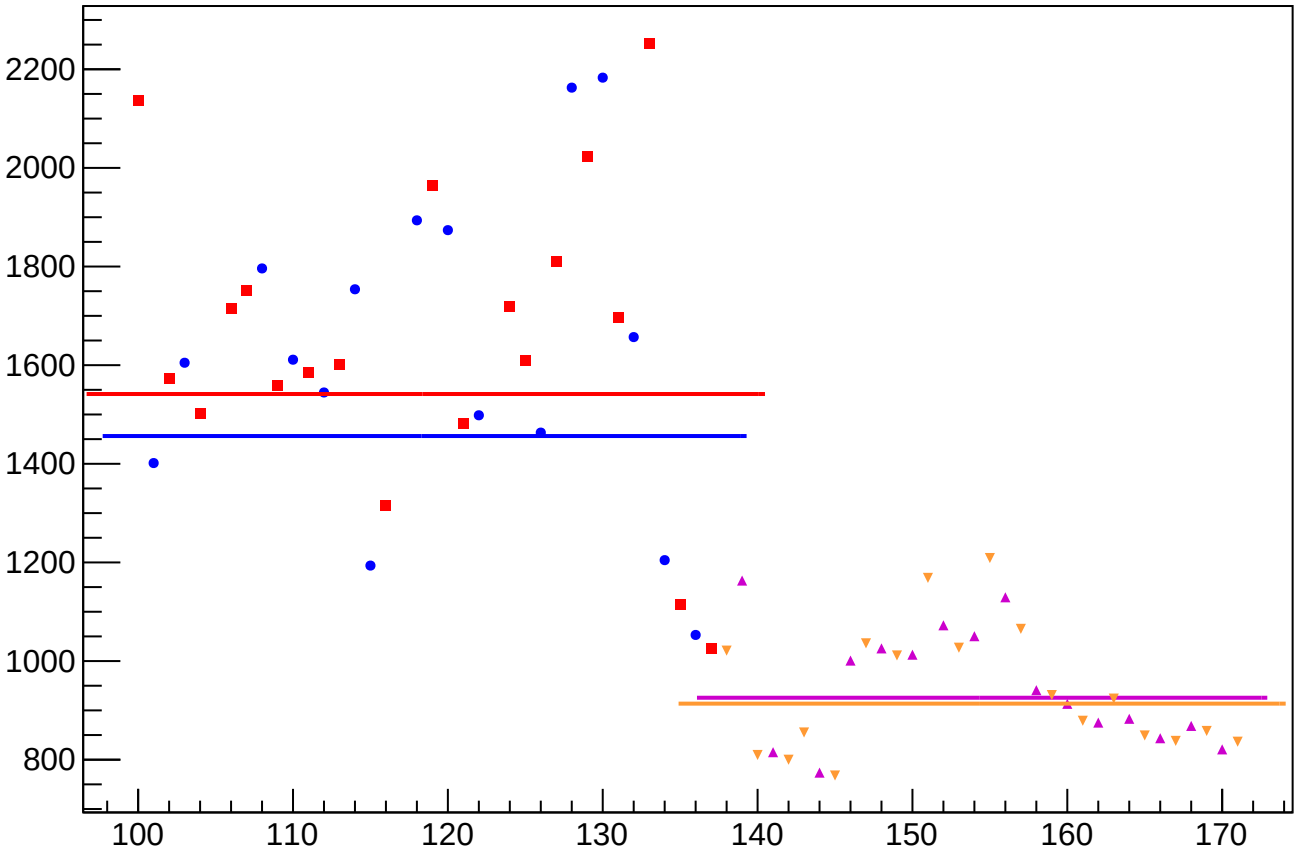
Right Out: -1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 103.191+/-256.930 χ^2/NDF:16.6/15

+ sign -1053.118+/-224.049 χ^2/NDF: 70.7/33

All: -589.857+/-162.023 χ^2/NDF: 112.7/68

- sign -82.010+/-234.583 χ^2/NDF: 33.0/34



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 913.683+/-0.173 χ^2/NDF:440866.4/17

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

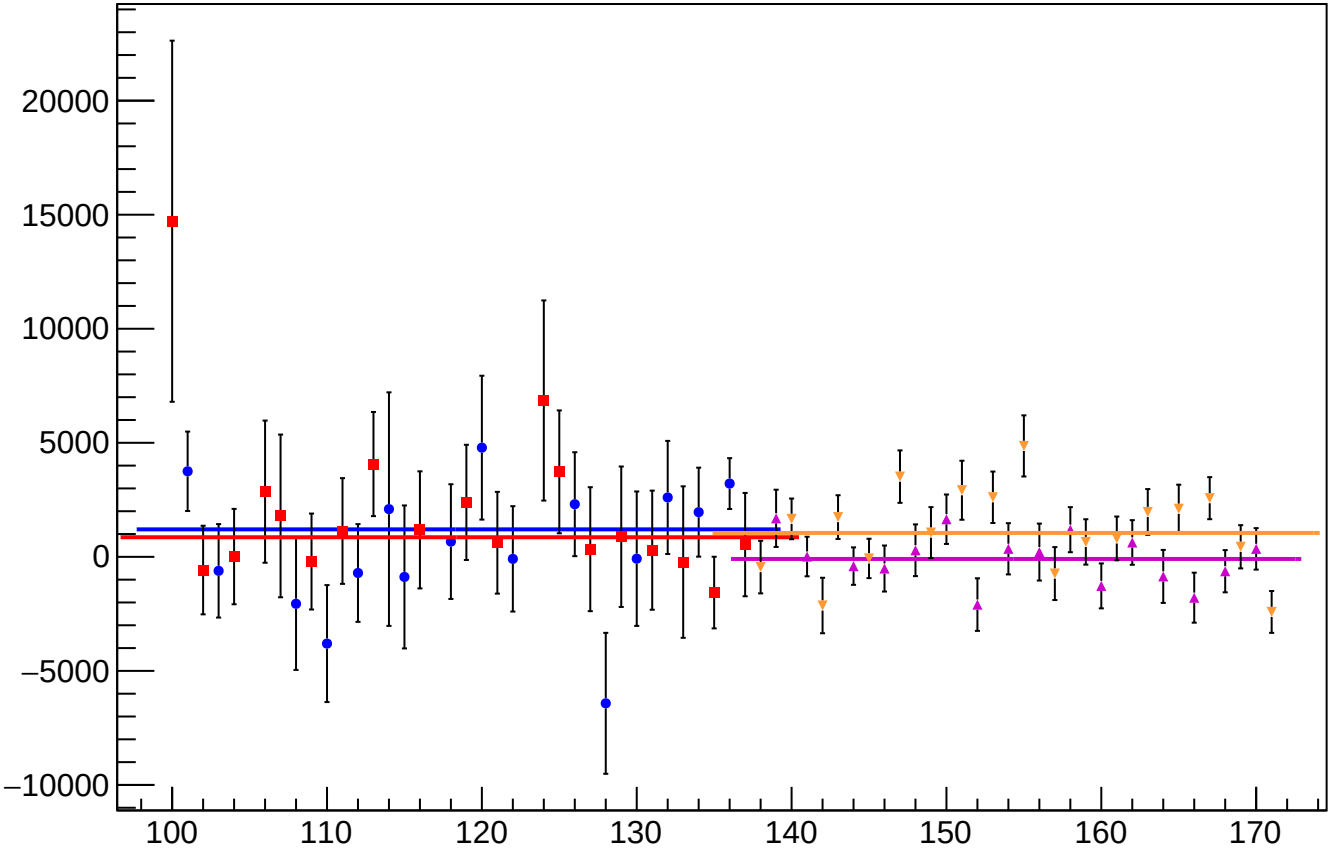
Left In: 925.640+/-0.182 χ^2/NDF:374528.7/15

+ sign 1001.275+/-0.158 χ^2/NDF: 2713652.3/33

All: 1014.078+/-0.115 χ^2/NDF: 5533273.9/68

- sign 1028.112+/-0.166 χ^2/NDF: 2805933.5/34

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1047.633+/-243.820 χ^2/NDF:49.7/17

Right Out: 859.290+/-570.391 χ^2/NDF: 12.5/18

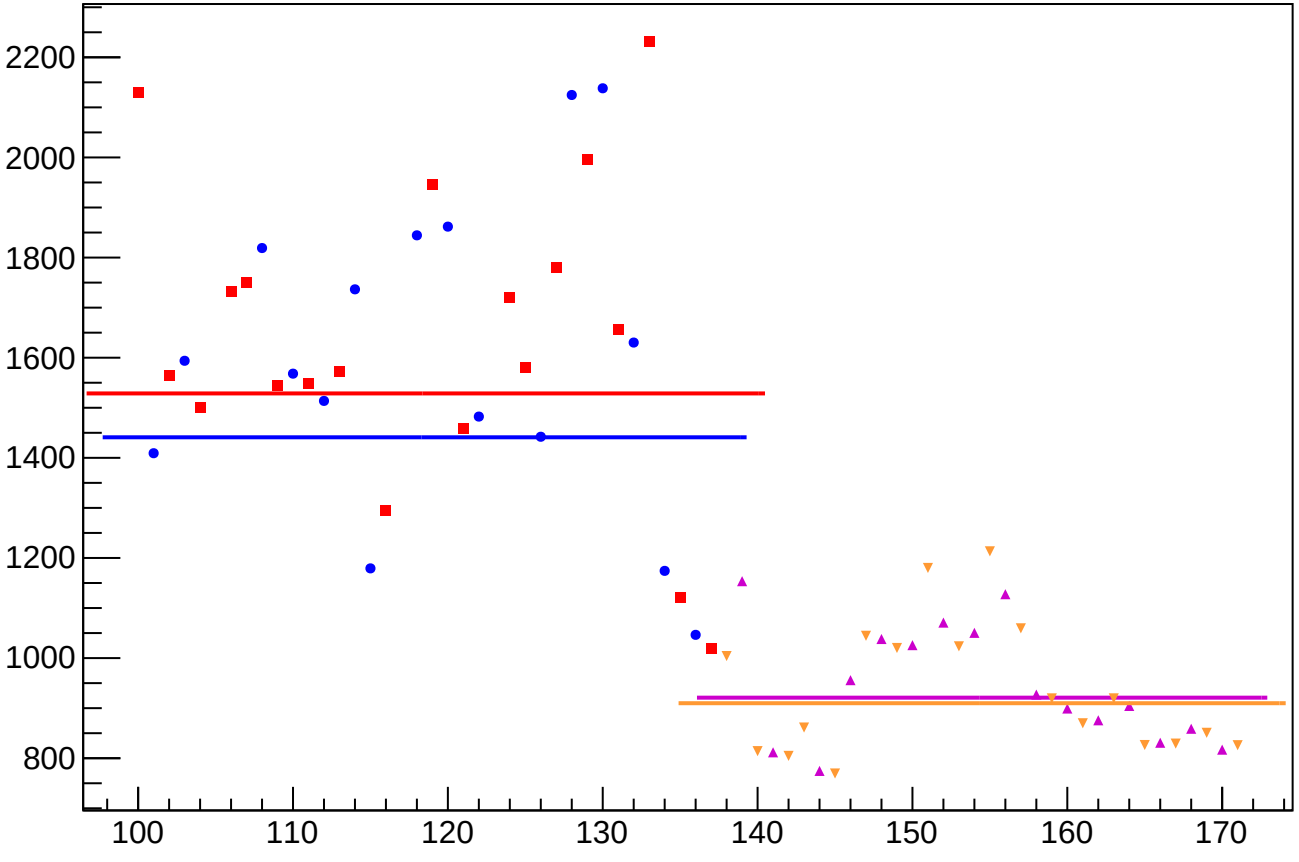
Left In: -92.475+/-255.697 χ^2/NDF:15.3/15

+ sign 1073.294+/-223.014 χ^2/NDF: 71.0/33

All: 592.772+/-161.217 χ^2/NDF: 110.8/68

- sign 66.786+/-233.325 χ^2/NDF: 30.2/34

asym_sam_24_68_dd_rms vs Slug



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 909.886+/-0.172 χ^2/NDF:455753.9/17

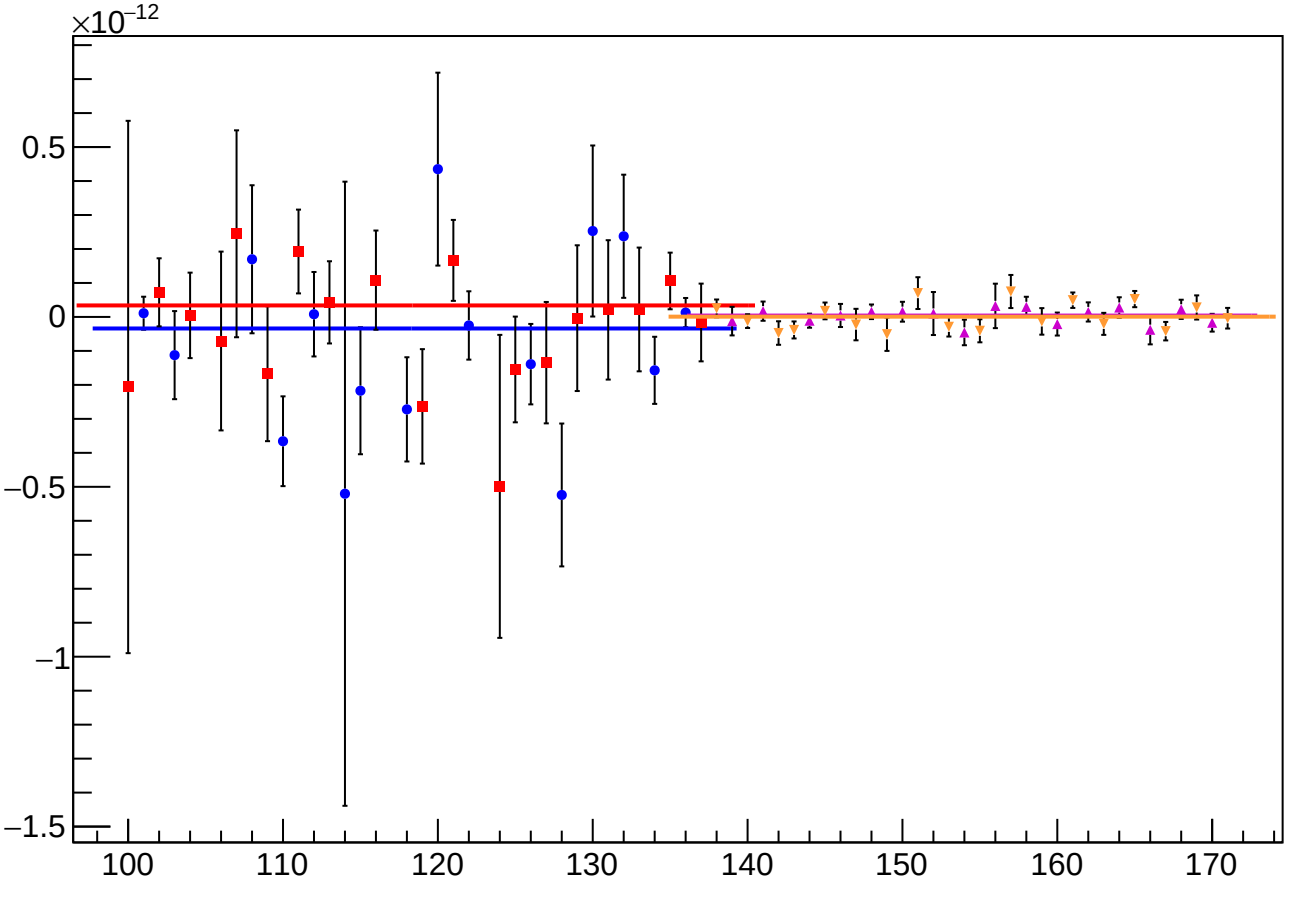
Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 920.965+/-0.181 χ^2/NDF:375935.2/15

+ sign 996.666+/-0.158 χ^2/NDF: 2677100.1/33

All: 1009.071+/-0.114 χ^2/NDF: 5457951.0/68

- sign 1022.650+/-0.165 χ^2/NDF: 2767889.2/34



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/17

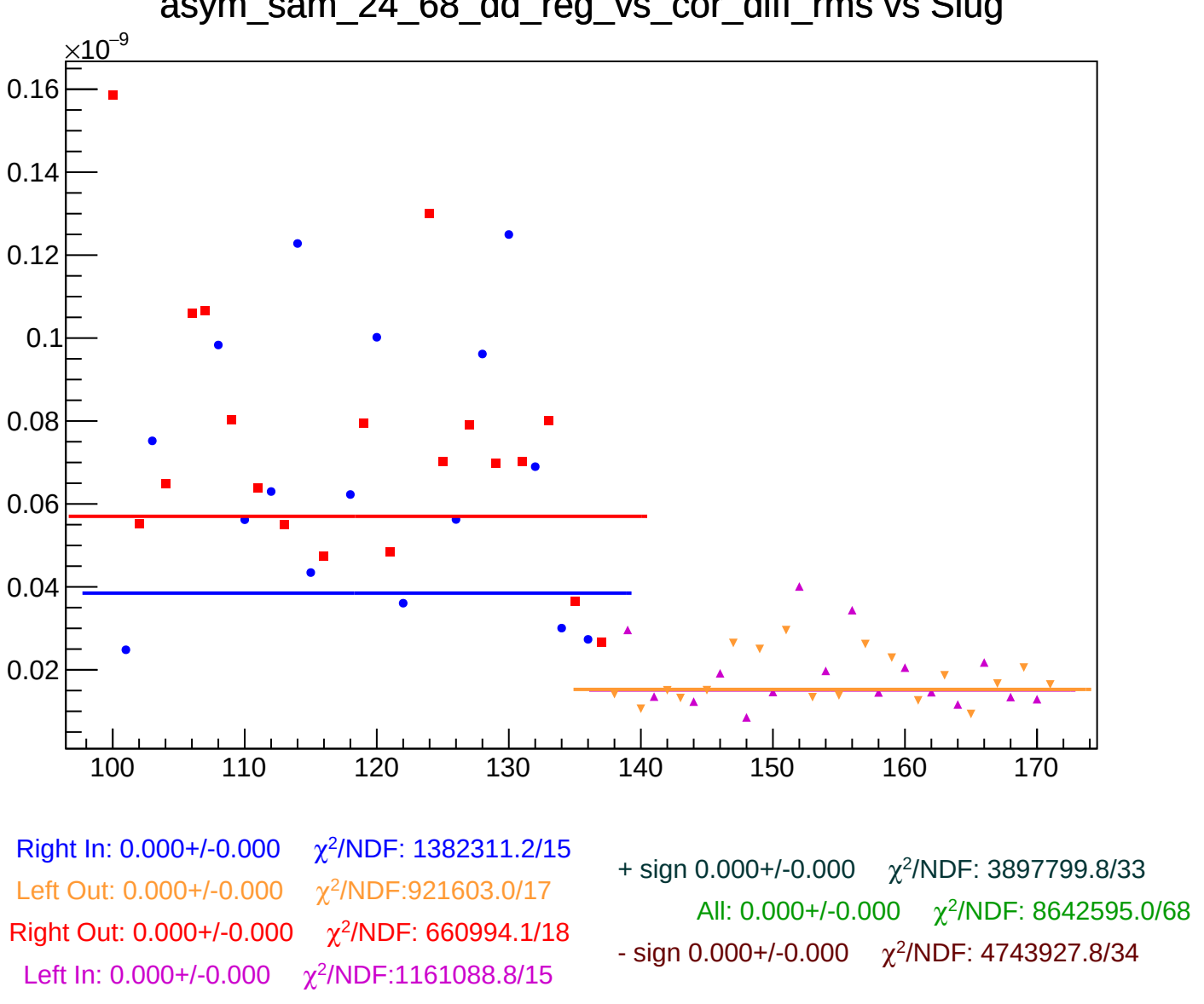
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/15

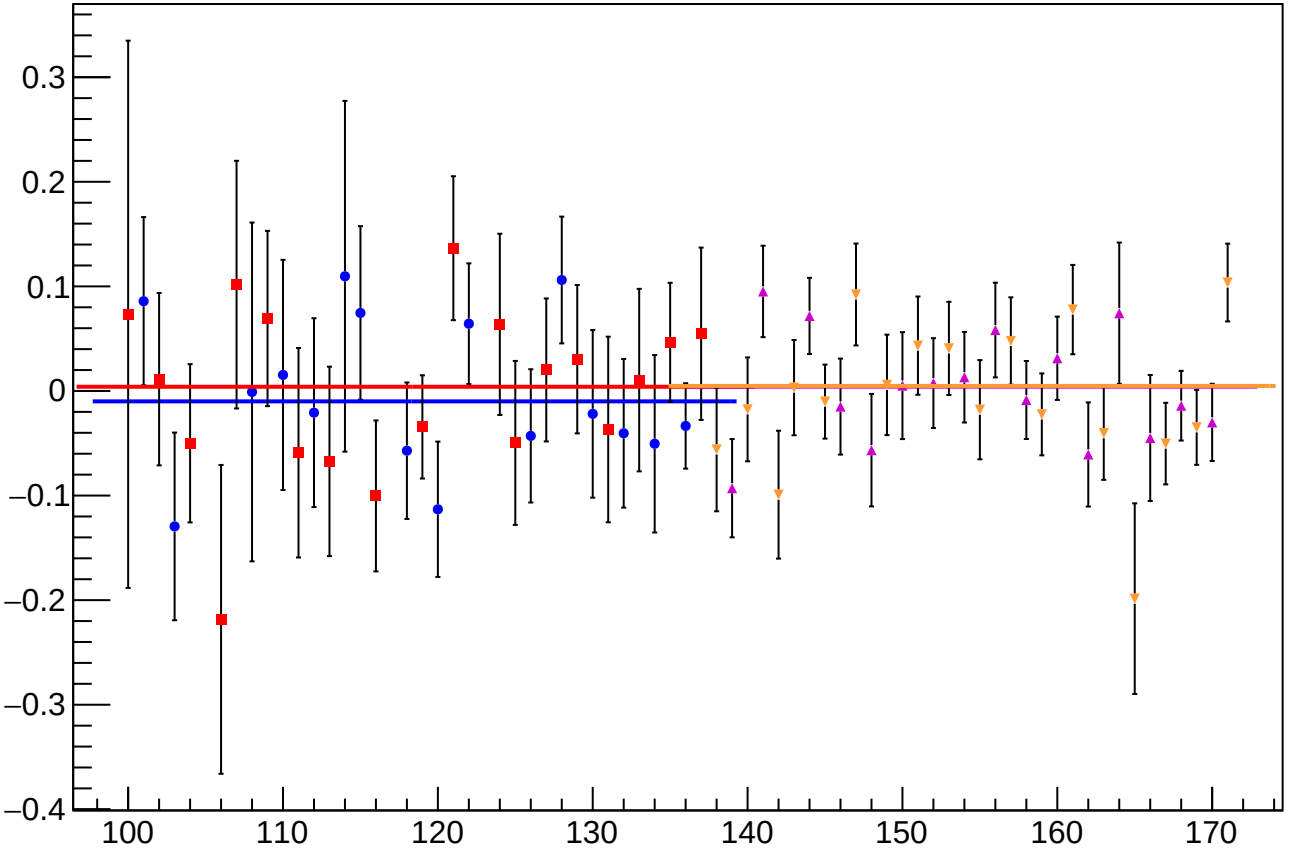
+ sign -0.000+/-0.000 χ^2/NDF: 56.6/33

All: 0.000+/-0.000 χ^2/NDF: 78.2/68

- sign 0.000+/-0.000 χ^2/NDF: 21.0/34


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:921603.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1161088.8/15
+ sign 0.000+/-0.000 χ²/NDF: 3897799.8/33
All: 0.000+/-0.000 χ²/NDF: 8642595.0/68
- sign 0.000+/-0.000 χ²/NDF: 4743927.8/34

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

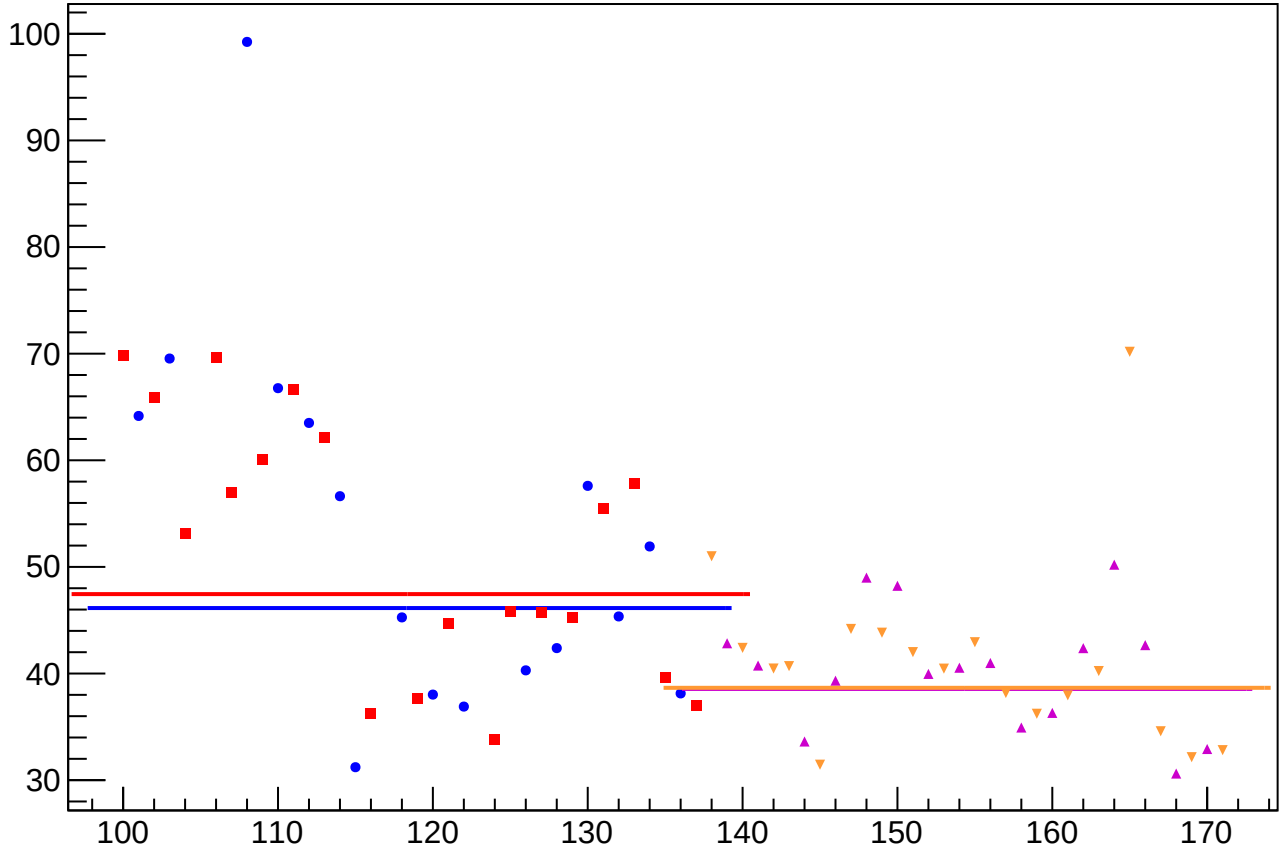
Left In: 0.004+/-0.011 χ^2/NDF:20.2/15

+ sign 0.001+/-0.009 χ^2/NDF: 44.6/33

All: 0.003+/-0.007 χ^2/NDF: 78.7/68

- sign 0.004+/-0.009 χ^2/NDF: 34.0/34

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: 38.660+/-0.007 χ^2/NDF:653176.8/17

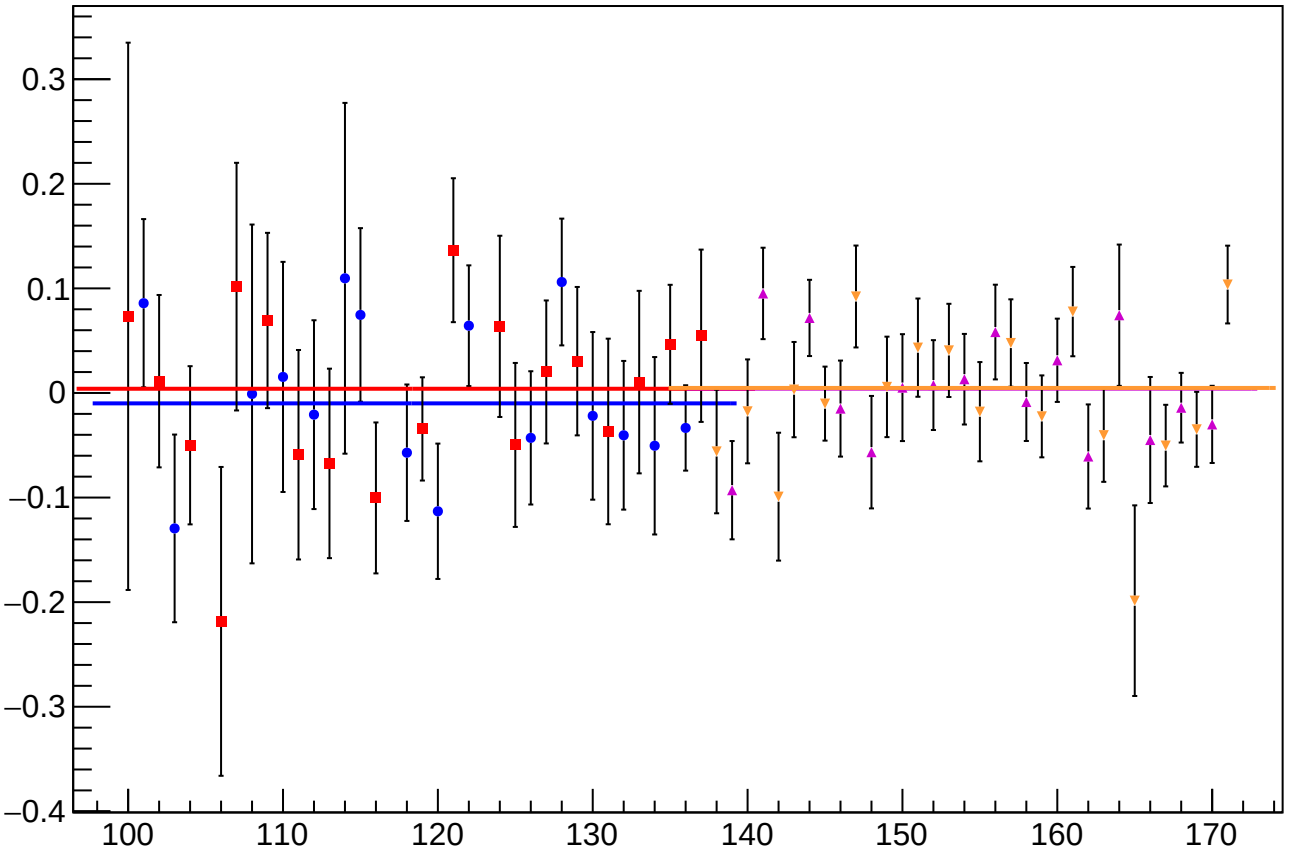
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.554+/-0.008 χ^2/NDF:484060.0/15

+ sign 40.564+/-0.006 χ^2/NDF: 1814221.1/33

All: 40.742+/-0.005 χ^2/NDF: 3308832.4/68

- sign 40.931+/-0.007 χ^2/NDF: 1493025.1/34



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

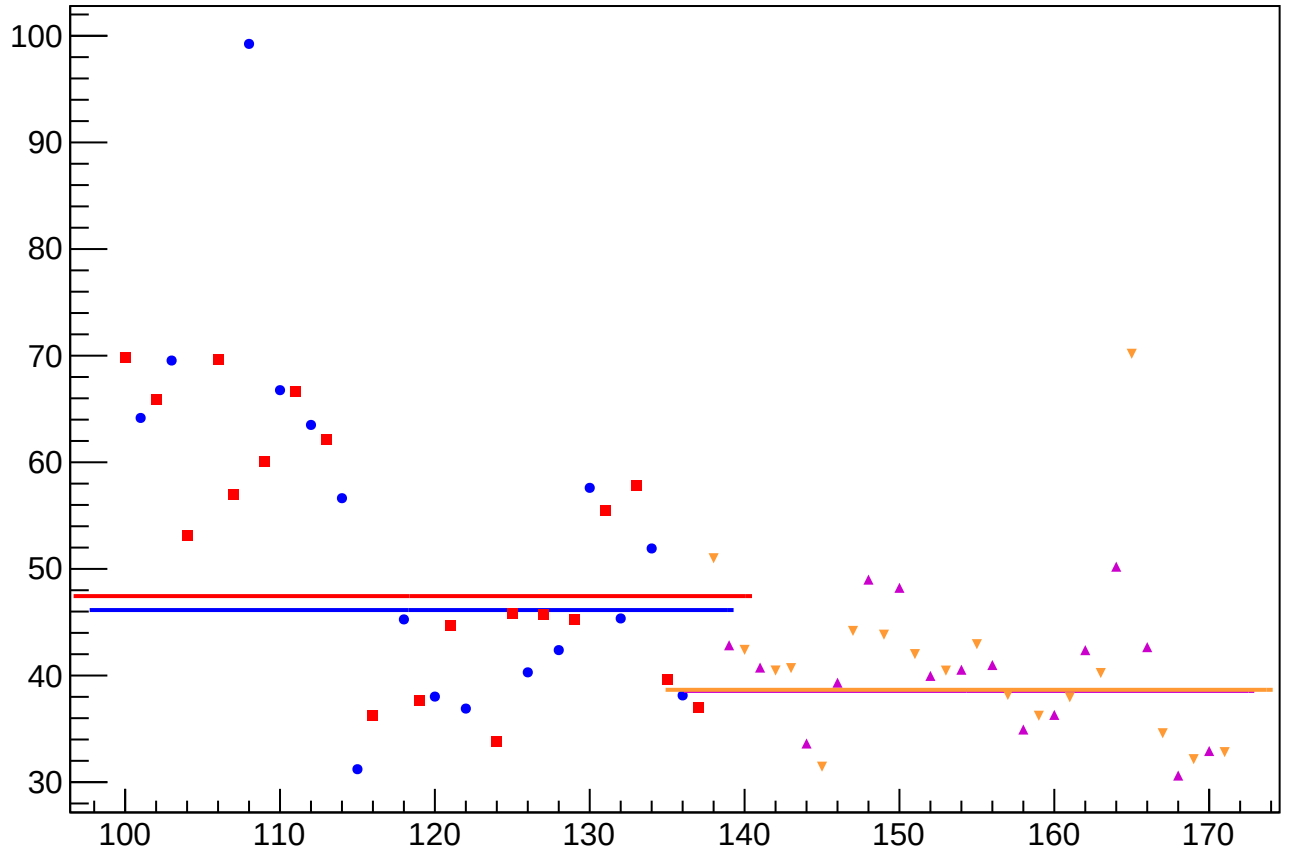
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.011 χ^2/NDF:20.2/15

+ sign 0.001+/-0.009 χ^2/NDF: 44.6/33

All: 0.003+/-0.007 χ^2/NDF: 78.7/68

- sign 0.004+/-0.009 χ^2/NDF: 34.0/34



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.660+/-0.007 χ^2/NDF:653176.8/17

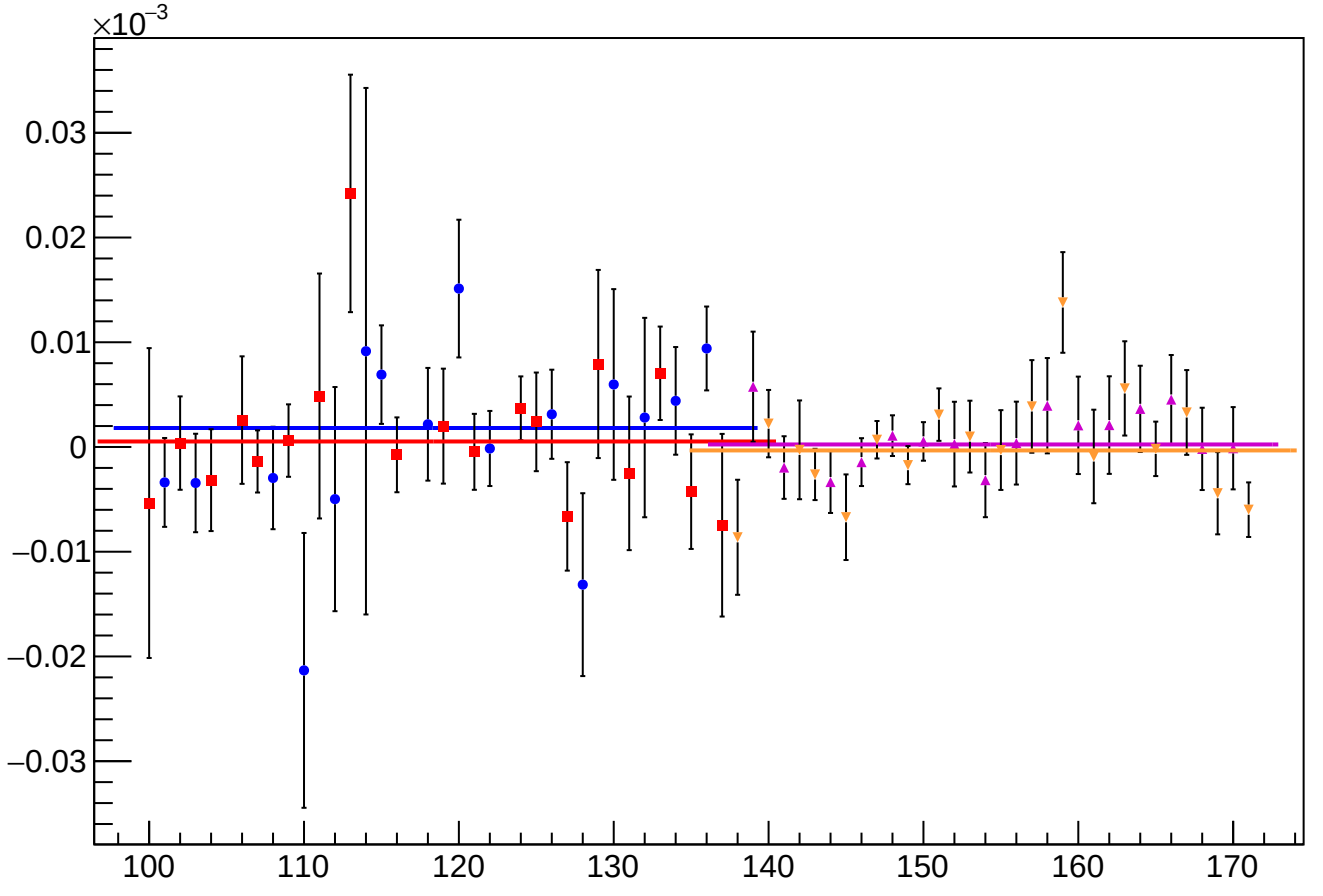
Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.554+/-0.008 χ^2/NDF:484060.0/15

+ sign 40.564+/-0.006 χ^2/NDF: 1814221.1/33

All: 40.742+/-0.005 χ^2/NDF: 3308832.4/68

- sign 40.931+/-0.007 χ^2/NDF: 1493025.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/17

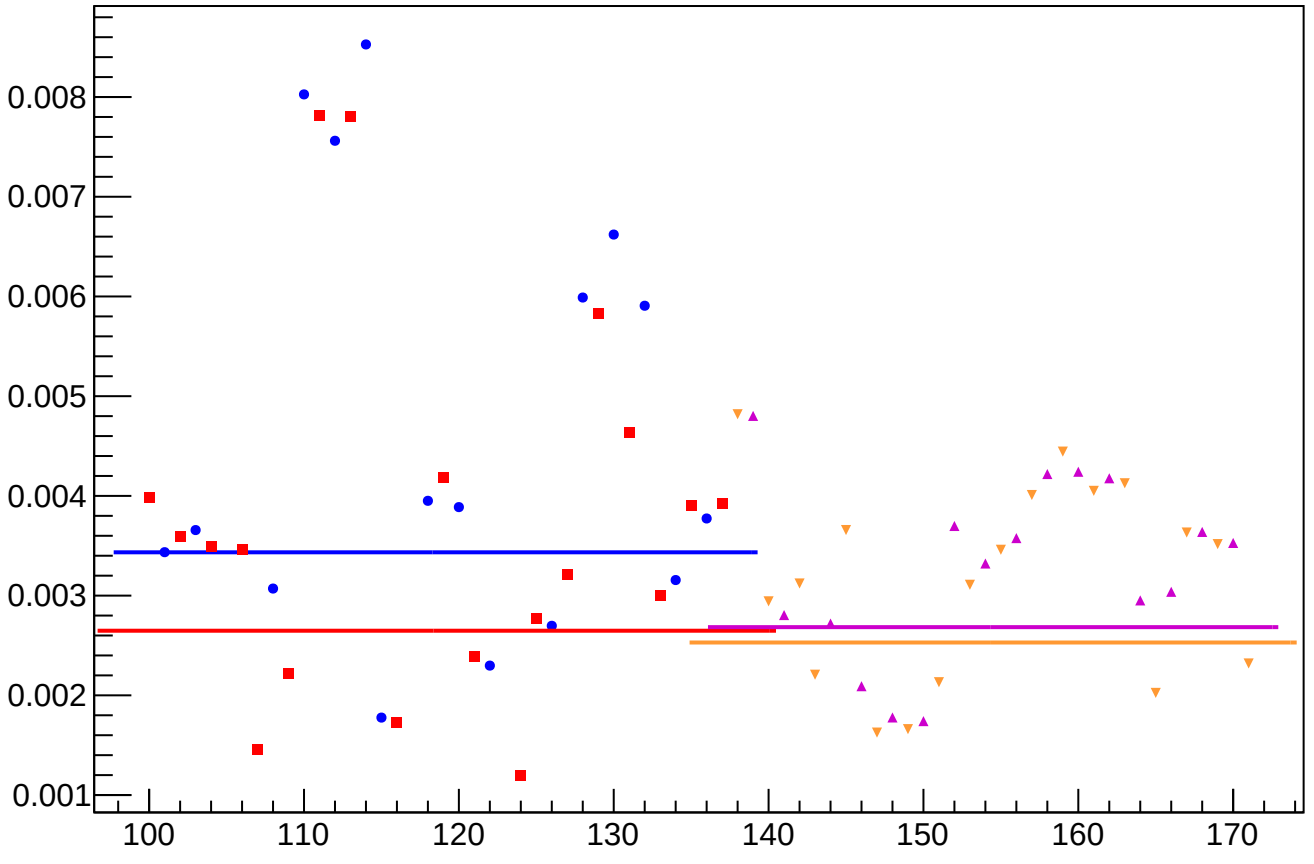
Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/33

All: 0.000+/-0.000 χ^2/NDF: 70.3/68

- sign 0.000+/-0.000 χ^2/NDF: 21.3/34



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3180863.3/17

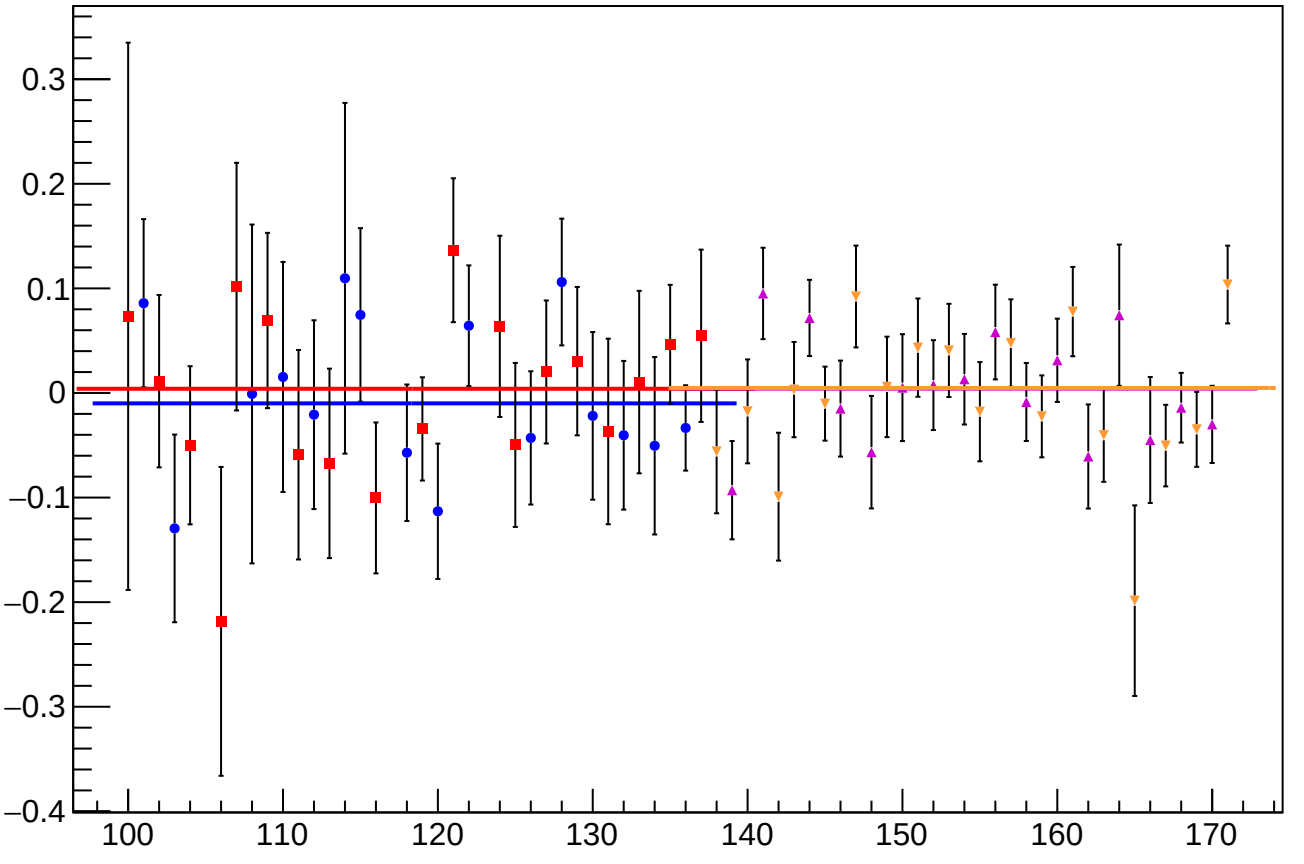
Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2603949.7/15

+ sign 0.003+/-0.000 χ^2/NDF: 5611899.7/33

All: 0.003+/-0.000 χ^2/NDF: 10920866.4/68

- sign 0.003+/-0.000 χ^2/NDF: 5302241.9/34



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

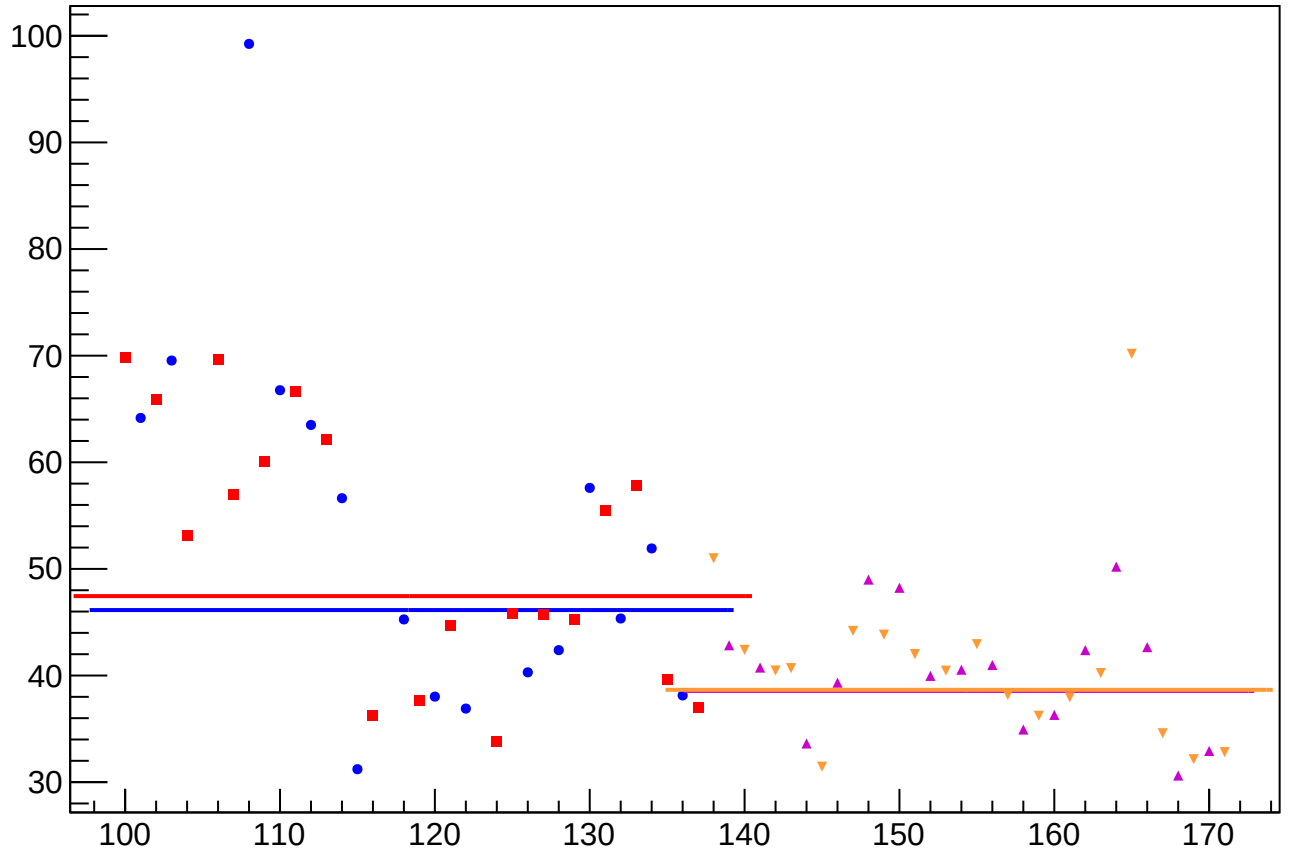
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.011 χ^2/NDF:20.2/15

+ sign 0.001+/-0.009 χ^2/NDF: 44.6/33

All: 0.003+/-0.007 χ^2/NDF: 78.7/68

- sign 0.004+/-0.009 χ^2/NDF: 34.0/34



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.660+/-0.007 χ^2/NDF:653214.9/17

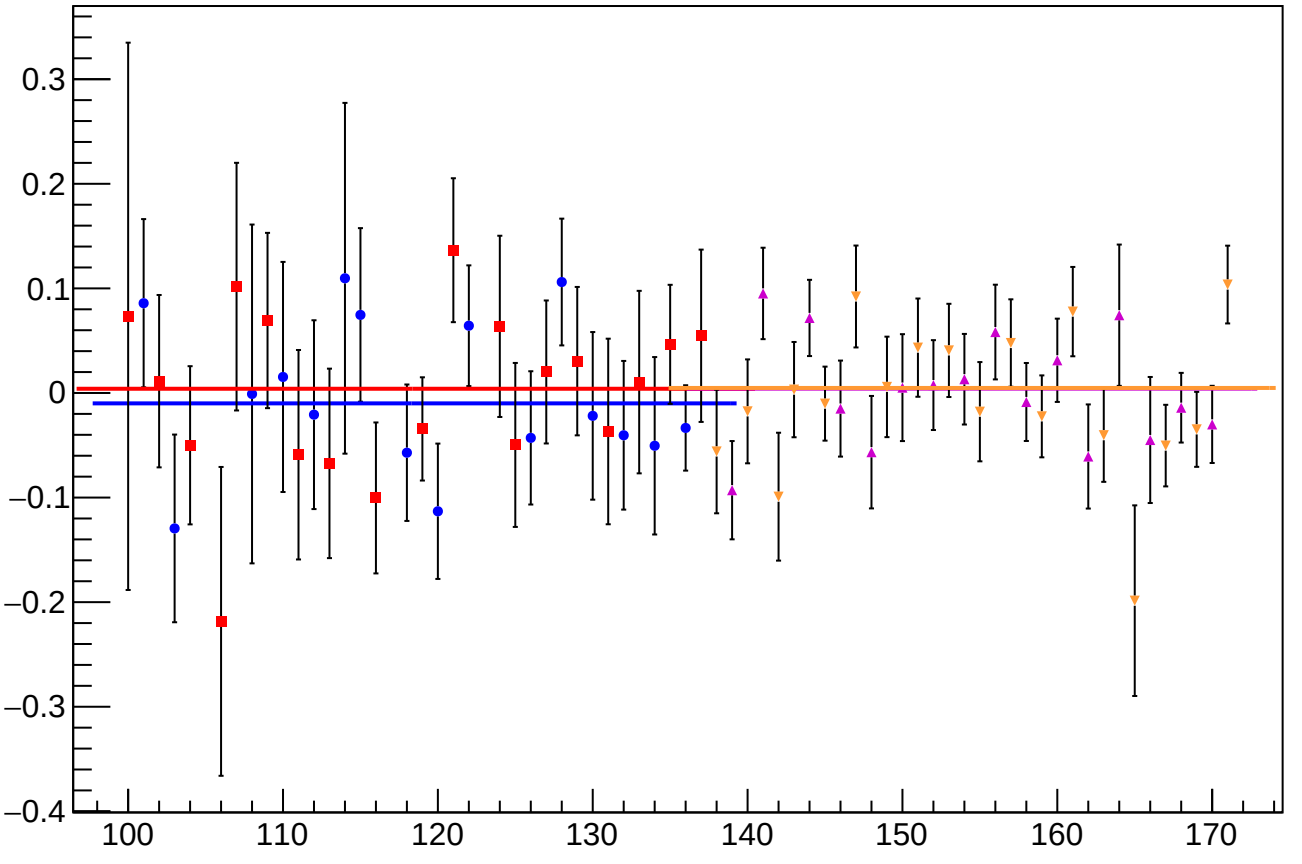
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.554+/-0.008 χ^2/NDF:484128.8/15

+ sign 40.564+/-0.006 χ^2/NDF: 1814131.1/33

All: 40.742+/-0.005 χ^2/NDF: 3308744.6/68

- sign 40.930+/-0.007 χ^2/NDF: 1493029.2/34



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

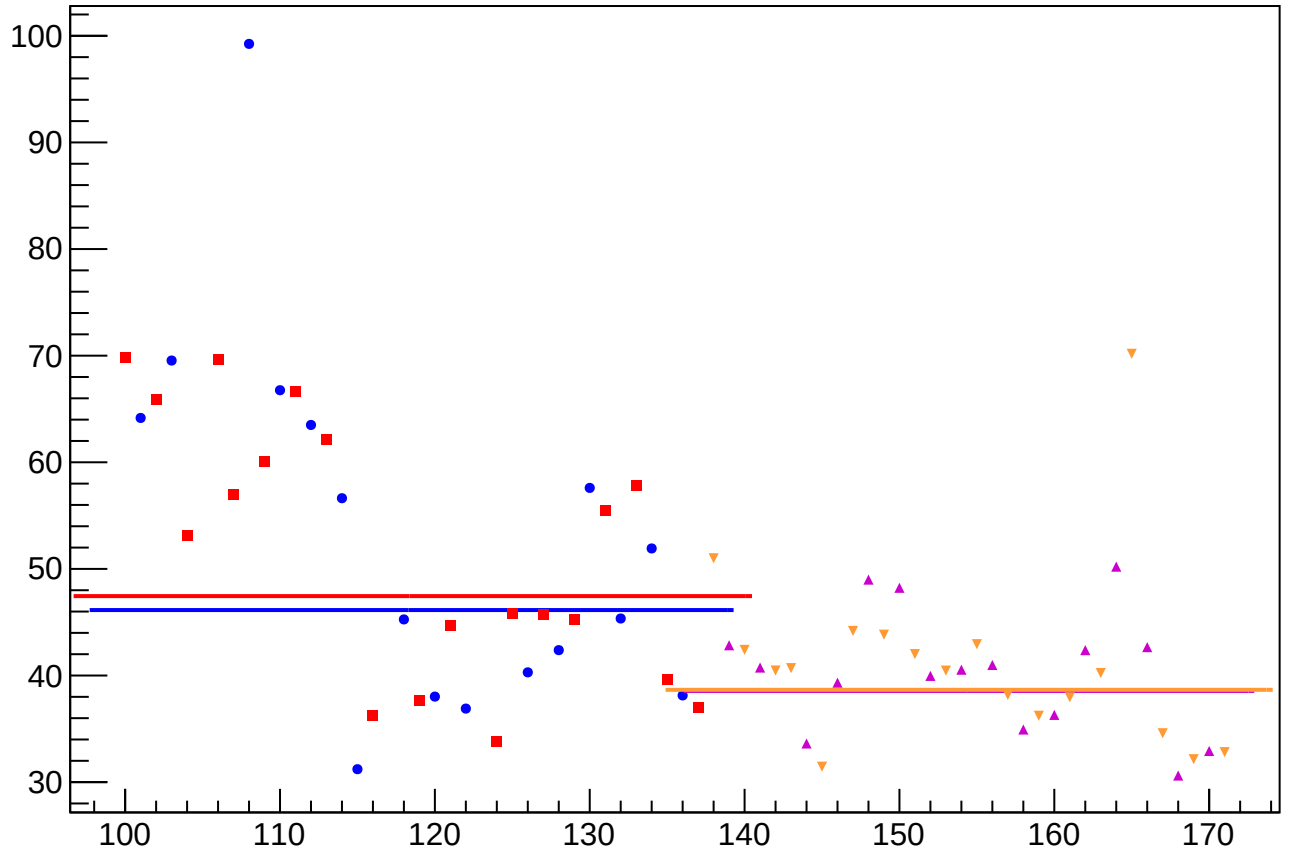
Right Out: 0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.004+/-0.011 χ^2/NDF:20.2/15

+ sign 0.001+/-0.009 χ^2/NDF: 44.6/33

All: 0.003+/-0.007 χ^2/NDF: 78.7/68

- sign 0.004+/-0.009 χ^2/NDF: 34.0/34



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.660+/-0.007 χ^2/NDF:653214.9/17

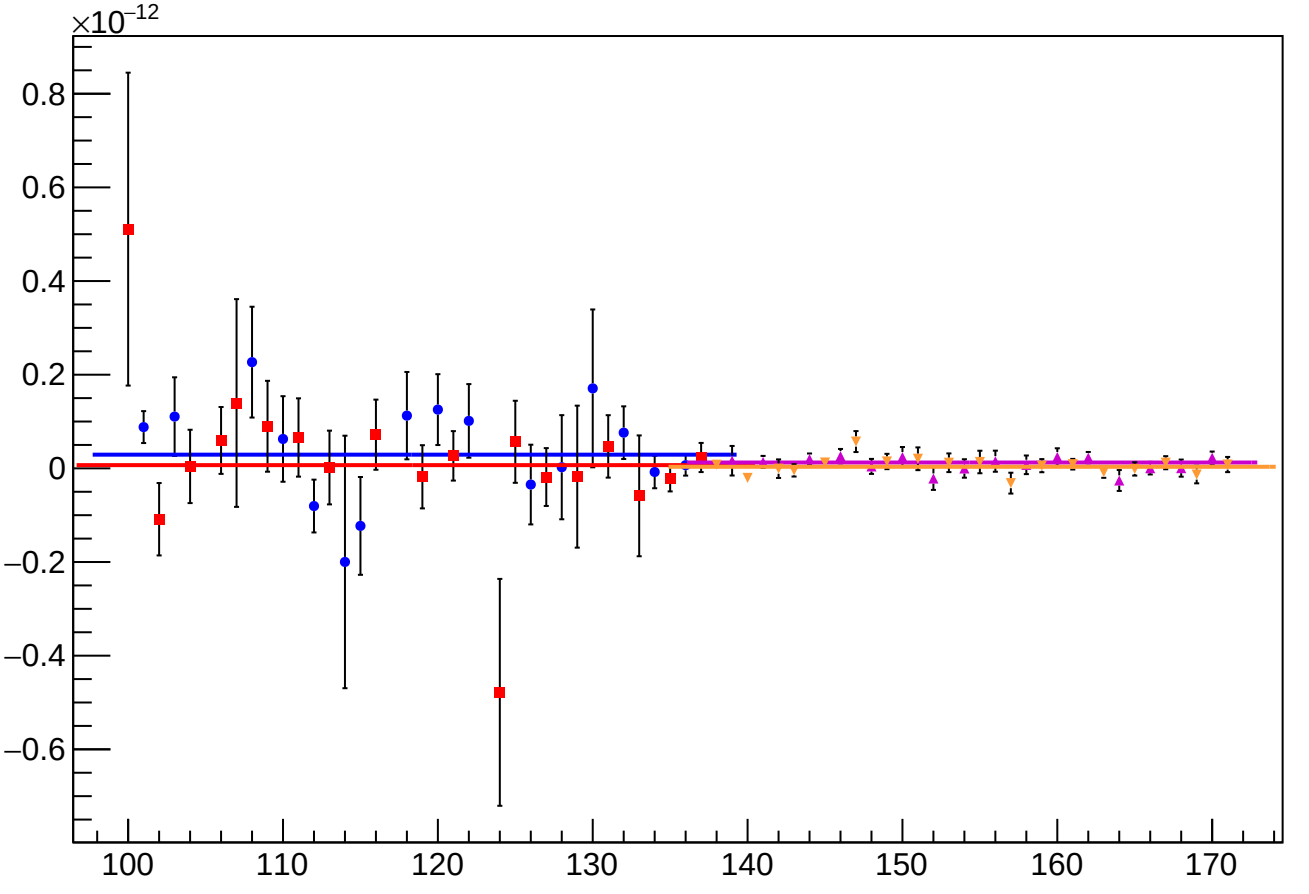
Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.554+/-0.008 χ^2/NDF:484128.8/15

+ sign 40.564+/-0.006 χ^2/NDF: 1814131.1/33

All: 40.742+/-0.005 χ^2/NDF: 3308744.6/68

- sign 40.930+/-0.007 χ^2/NDF: 1493029.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/17

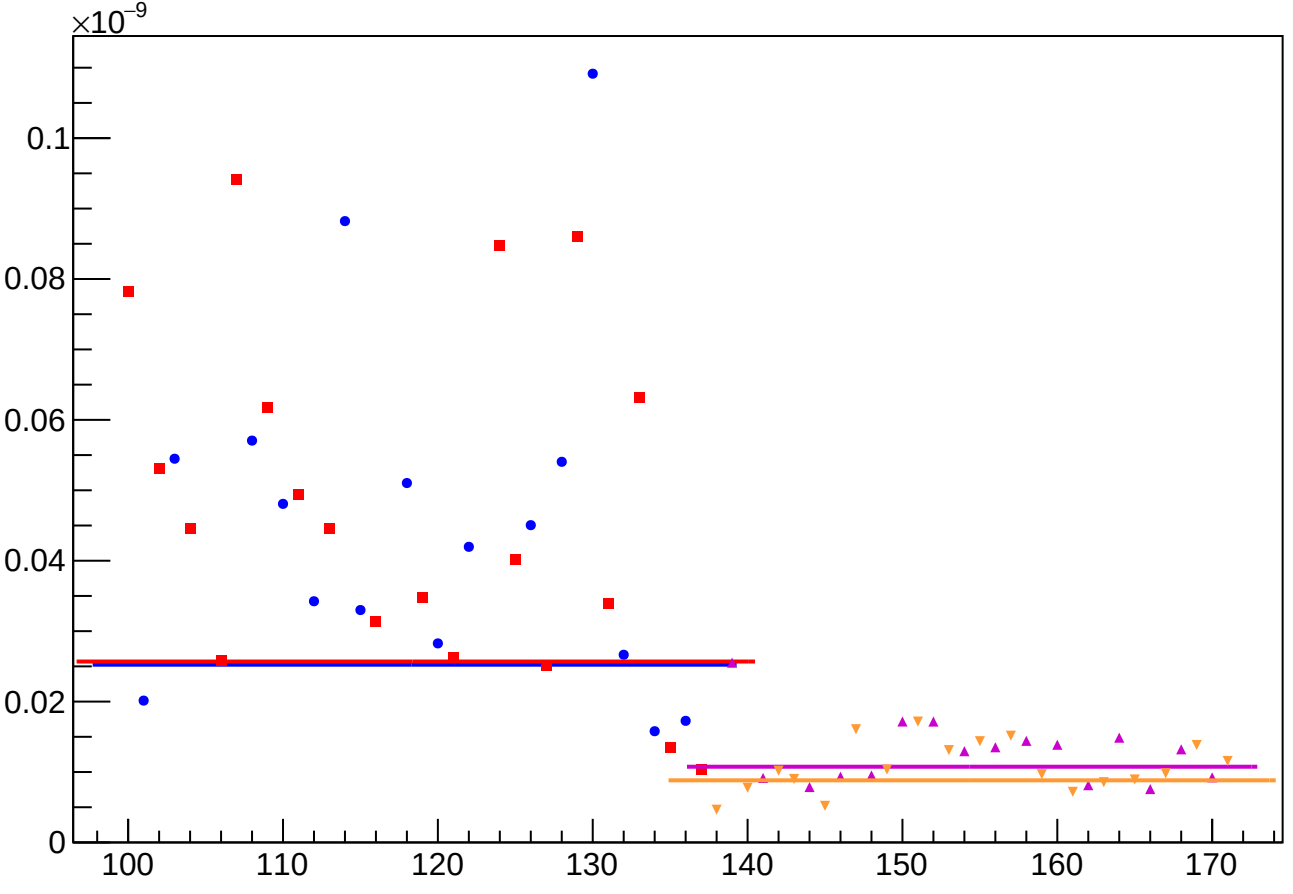
Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 42.9/33

All: 0.000+/-0.000 χ^2/NDF: 69.4/68

- sign 0.000+/-0.000 χ^2/NDF: 24.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1764187.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

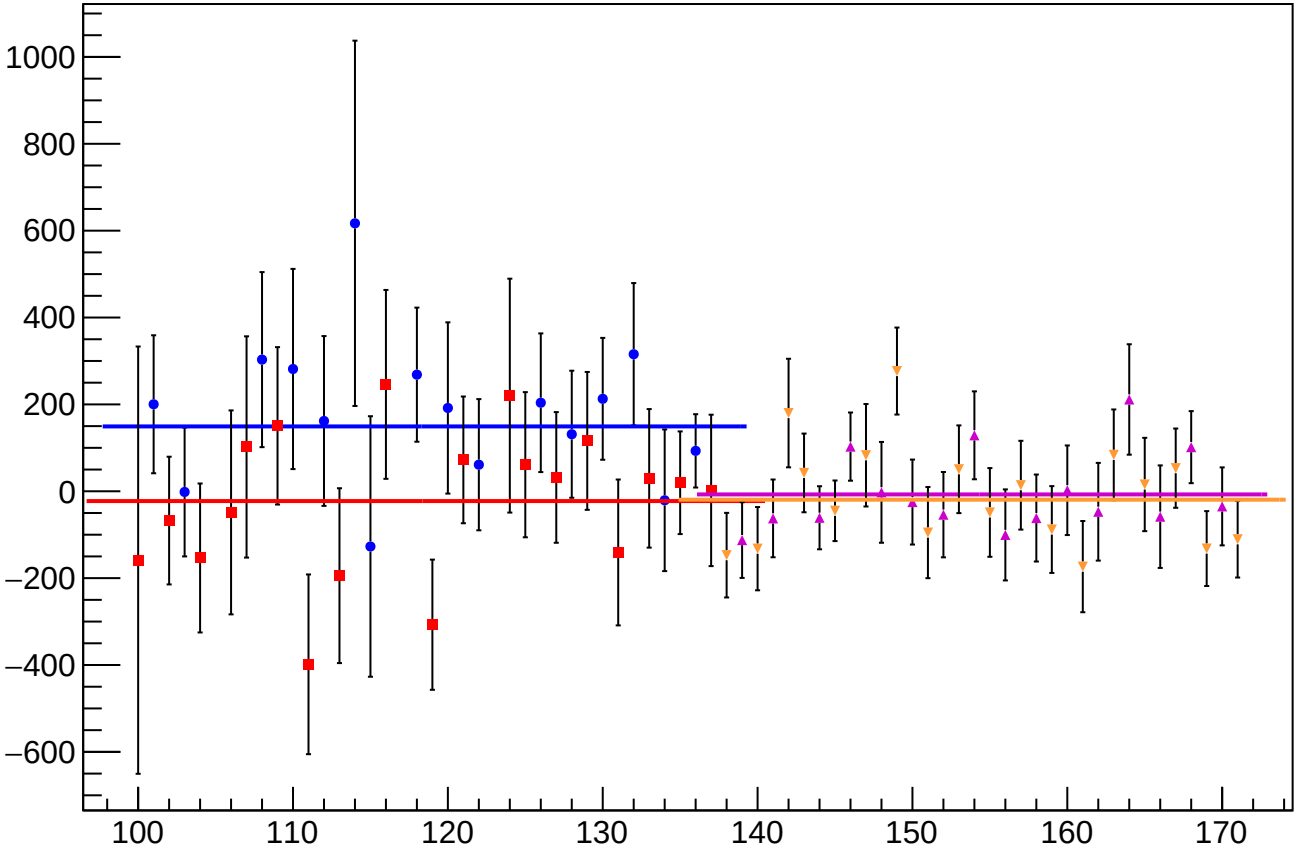
Left In: 0.000+/-0.000 χ^2/NDF:1449036.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 6661123.0/33

All: 0.000+/-0.000 χ^2/NDF: 13243393.1/68

- sign 0.000+/-0.000 χ^2/NDF: 6244143.7/34

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.398+/-22.880 χ^2/NDF:24.0/17

Right Out: -22.549+/-40.100 χ^2/NDF: 14.2/18

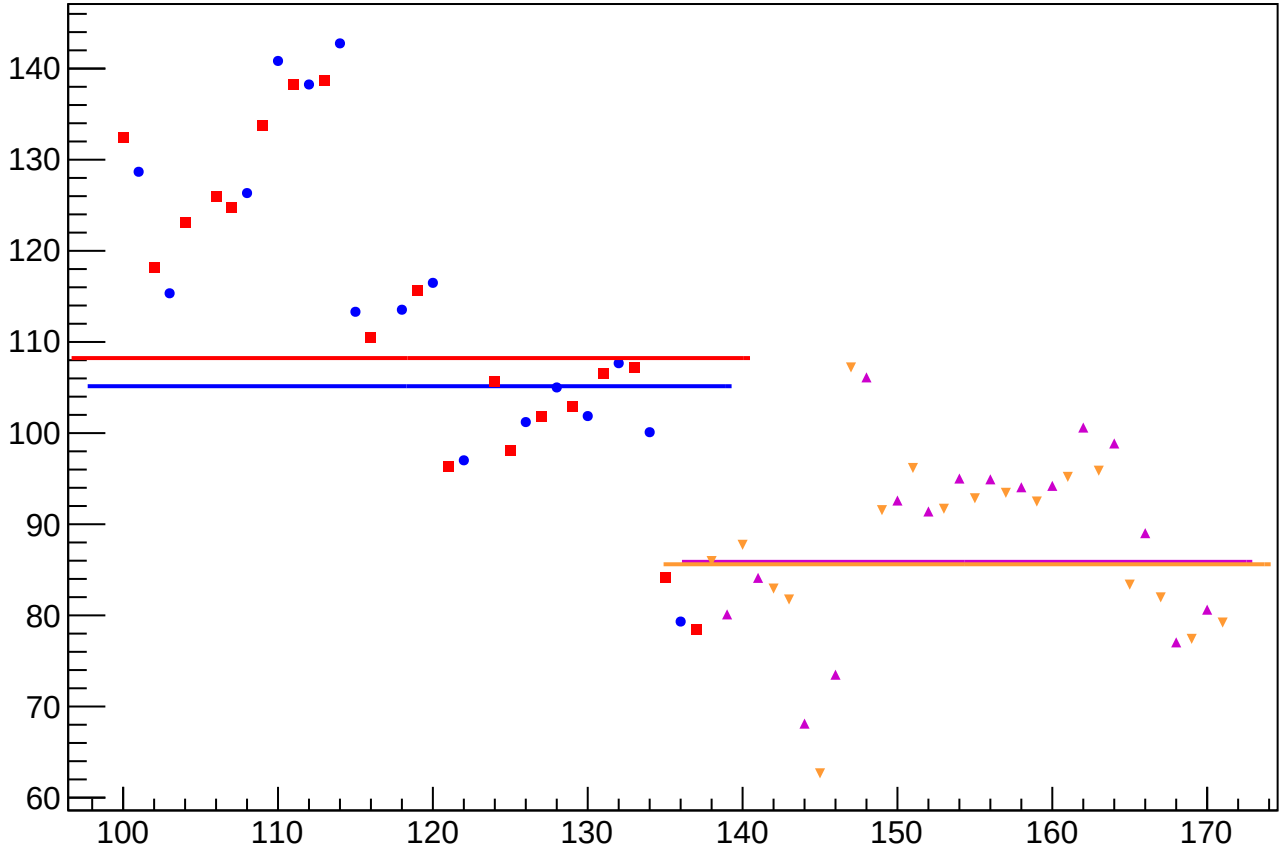
Left In: -7.244+/-23.867 χ^2/NDF:12.6/15

+ sign 22.686+/-19.822 χ^2/NDF: 45.6/33

All: 6.297+/-14.253 χ^2/NDF: 74.0/68

- sign -11.247+/-20.509 χ^2/NDF: 26.9/34

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.608+/-0.016 χ^2/NDF:423382.1/17

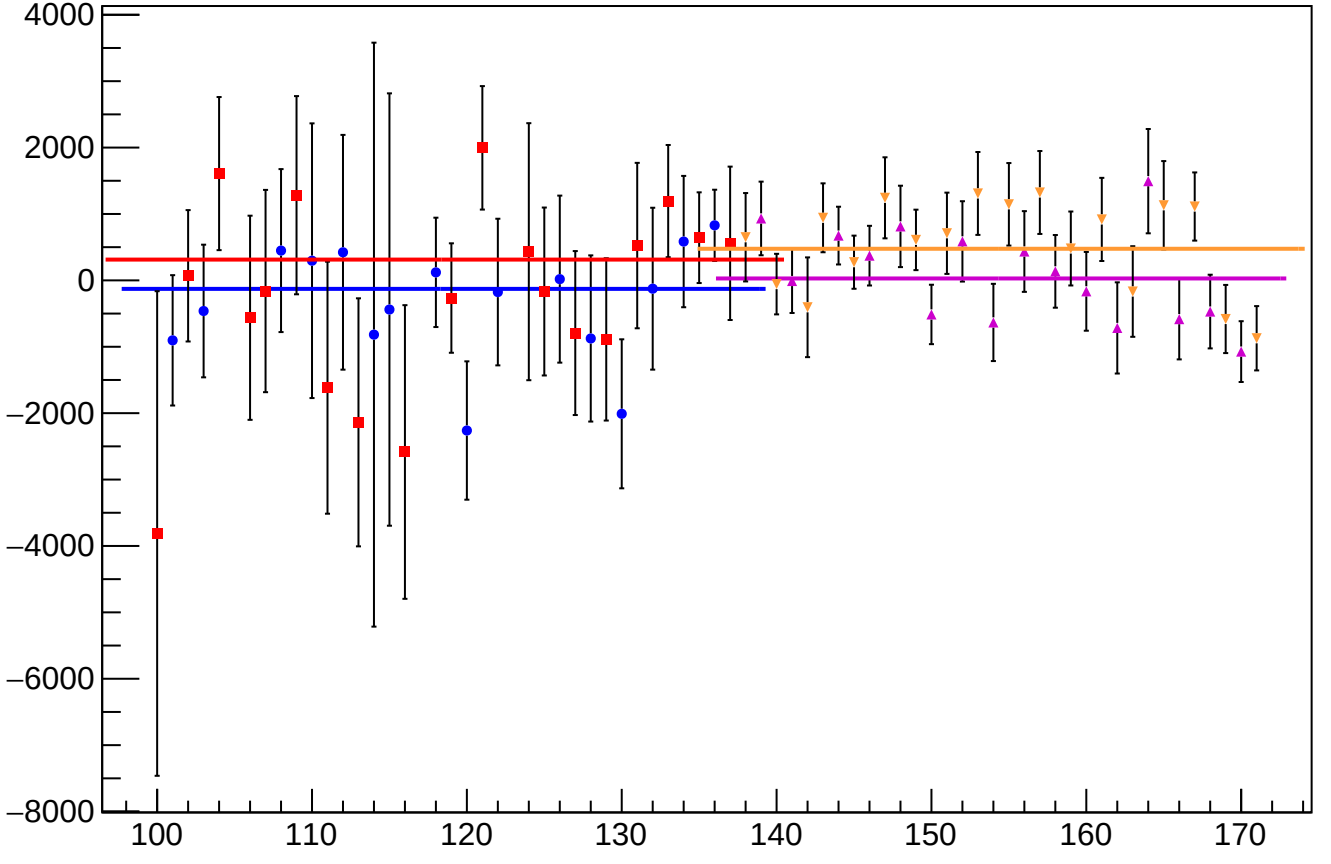
Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.873+/-0.017 χ^2/NDF:399320.6/15

\+ sign 90.482+/-0.014 χ^2/NDF: 1195606.9/33

All: 91.081+/-0.010 χ^2/NDF: 2407811.1/68

\- sign 91.722+/-0.015 χ^2/NDF: 1208423.6/34



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 475.950+/-130.491 χ^2/NDF:26.4/17

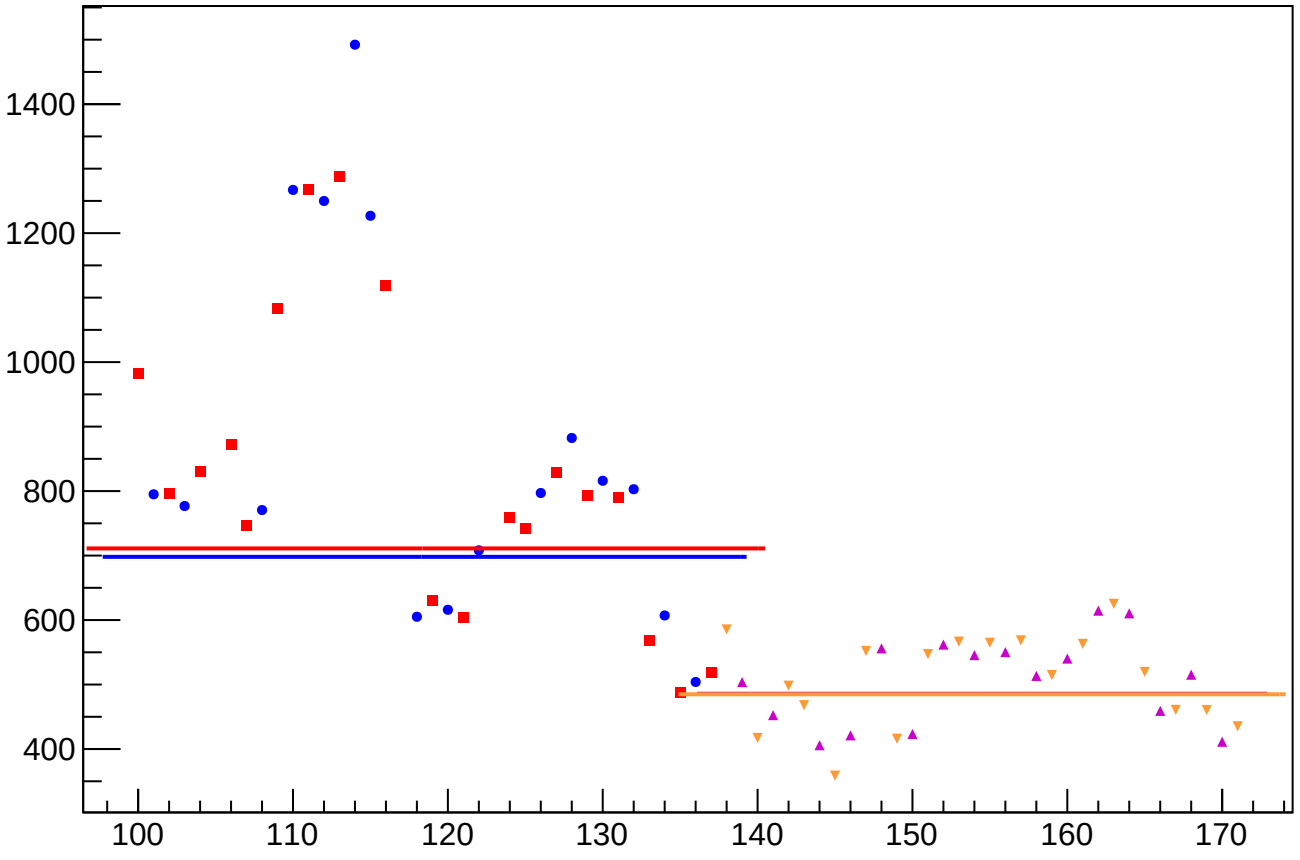
Right Out: 313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: 28.705+/-135.445 χ^2/NDF:23.6/15

+ sign 360.622+/-117.373 χ^2/NDF: 42.7/33

All: 227.492+/-84.275 χ^2/NDF: 84.9/68

- sign 85.826+/-121.077 χ^2/NDF: 39.5/34



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.1/17

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

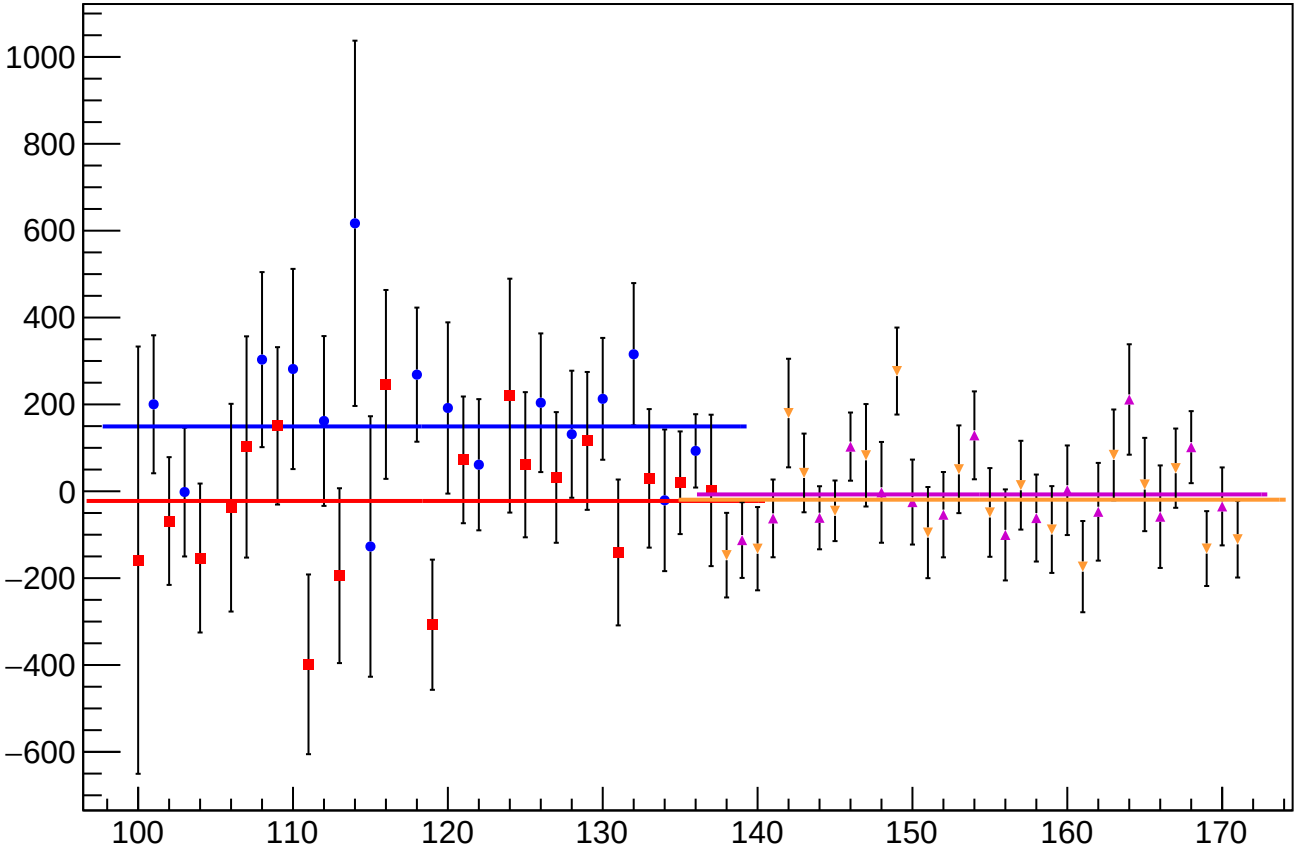
Left In: 485.764+/-0.096 χ^2/NDF:466210.1/15

+ sign 525.604+/-0.083 χ^2/NDF: 2574004.9/33

All: 528.234+/-0.060 χ^2/NDF: 5189380.2/68

- sign 531.032+/-0.086 χ^2/NDF: 2613303.5/34

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.399+/-22.880 χ^2/NDF:24.1/17

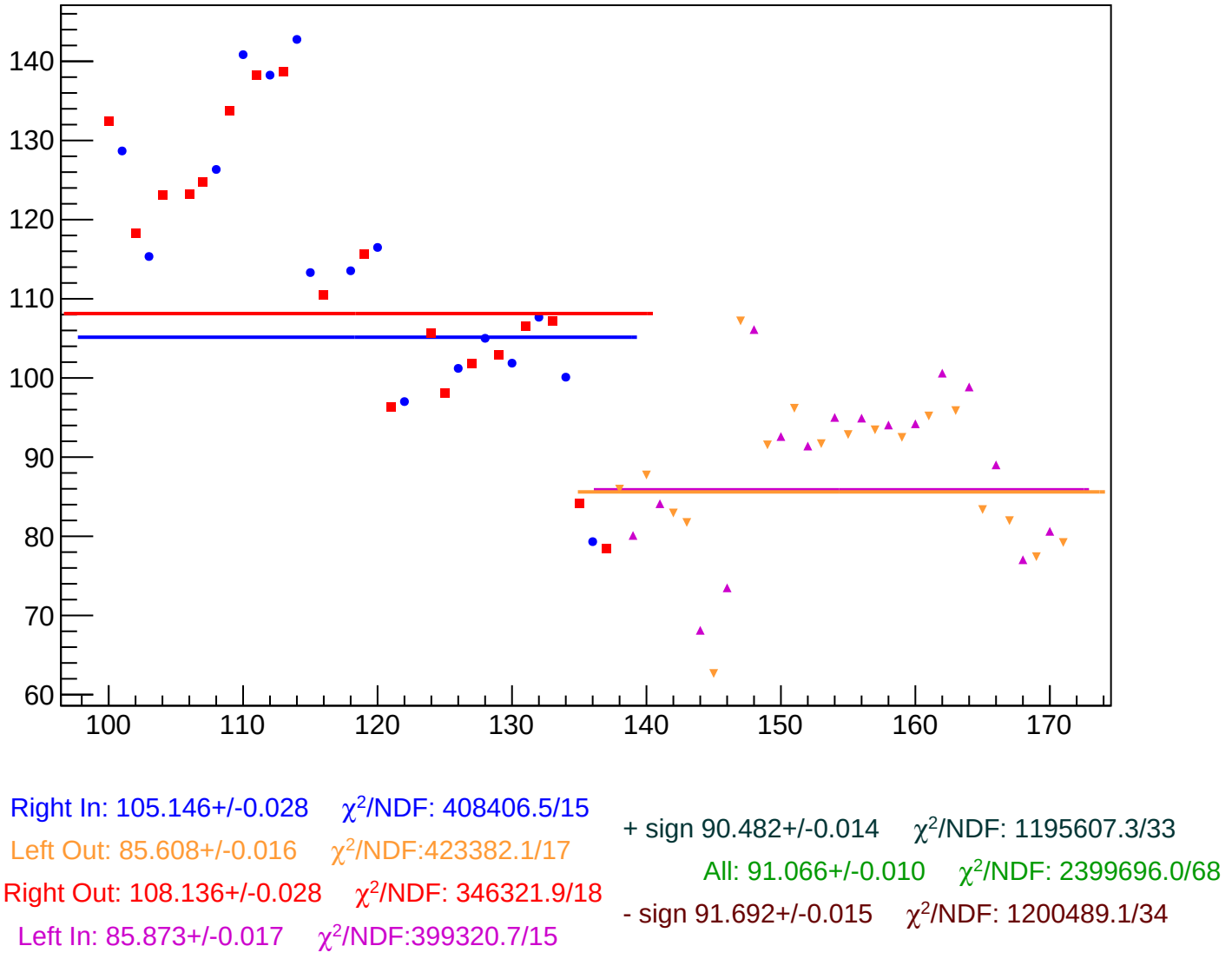
Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

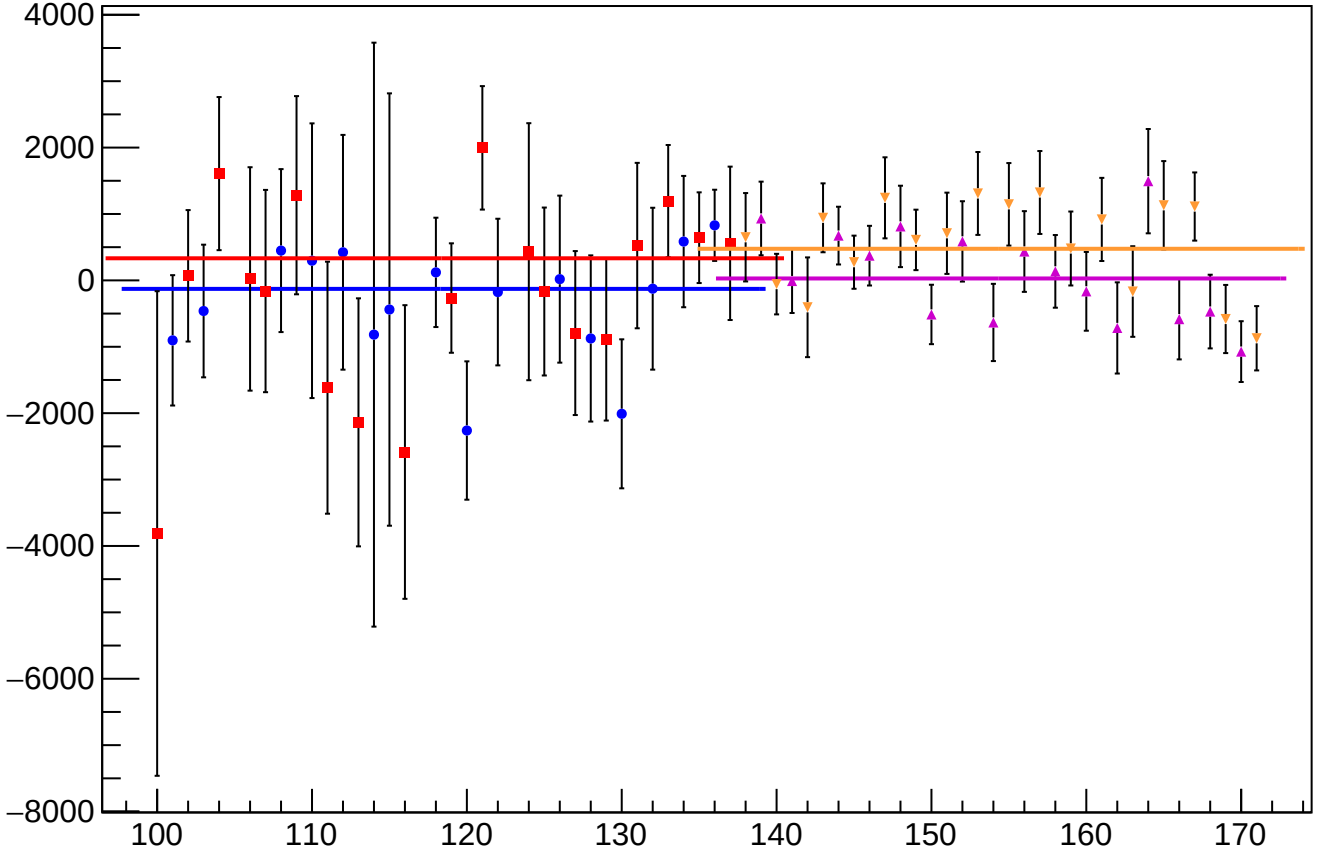
Left In: -7.245+/-23.867 χ^2/NDF:12.6/15

+ sign 22.682+/-19.822 χ^2/NDF: 45.6/33

All: 6.331+/-14.254 χ^2/NDF: 74.0/68

- sign -11.179+/-20.512 χ^2/NDF: 26.9/34


cor_asym_sam_26_48_dd_rms vs Slug
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 105.146+/-0.028 χ²/NDF: 408406.5/15
Left Out: 85.608+/-0.016 χ²/NDF:423382.1/17
Right Out: 108.136+/-0.028 χ²/NDF: 346321.9/18
Left In: 85.873+/-0.017 χ²/NDF:399320.7/15
+ sign 90.482+/-0.014 χ²/NDF: 1195607.3/33
All: 91.066+/-0.010 χ²/NDF: 2399696.0/68
- sign 91.692+/-0.015 χ²/NDF: 1200489.1/34



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 475.951+/-130.491 χ^2/NDF:26.4/17

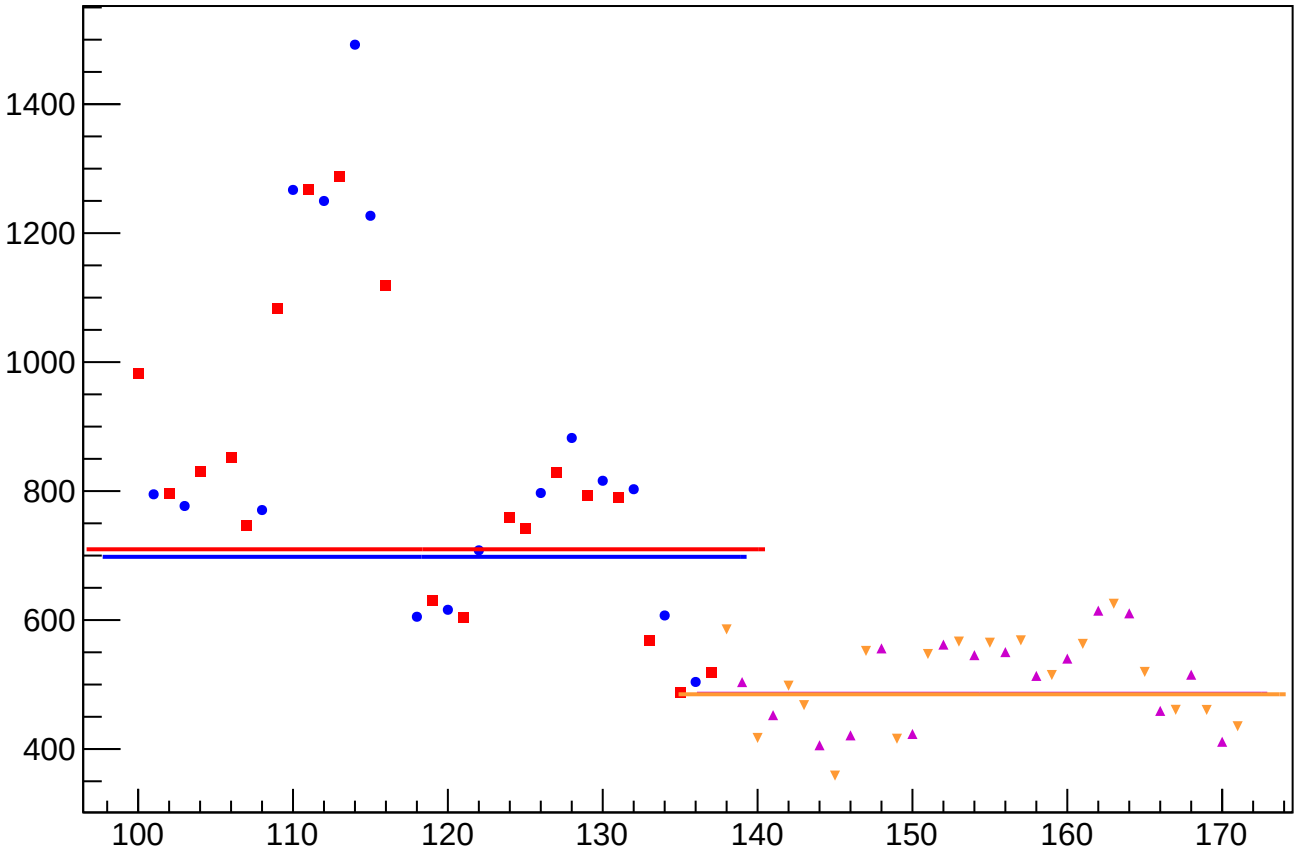
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 28.706+/-135.445 χ^2/NDF:23.6/15

+ sign 360.625+/-117.374 χ^2/NDF: 42.7/33

All: 229.352+/-84.296 χ^2/NDF: 84.6/68

- sign 89.517+/-121.141 χ^2/NDF: 39.3/34



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

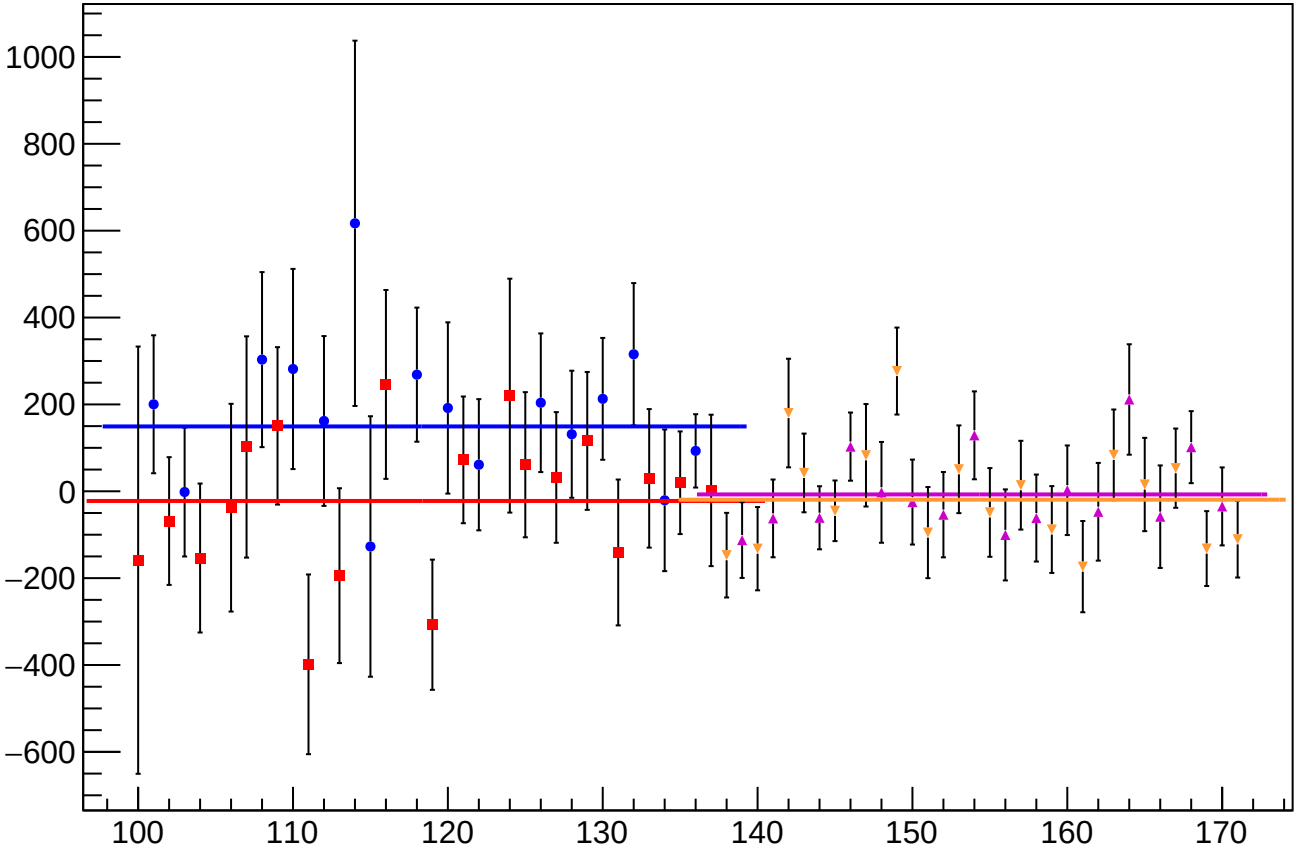
Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

+ sign 525.604+/-0.083 χ^2/NDF: 2574017.0/33

All: 528.012+/-0.060 χ^2/NDF: 5163307.4/68

- sign 530.576+/-0.086 χ^2/NDF: 2587553.0/34

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.399+/-22.880 χ^2/NDF:24.1/17

Right Out: -22.297+/-40.123 χ^2/NDF: 14.2/18

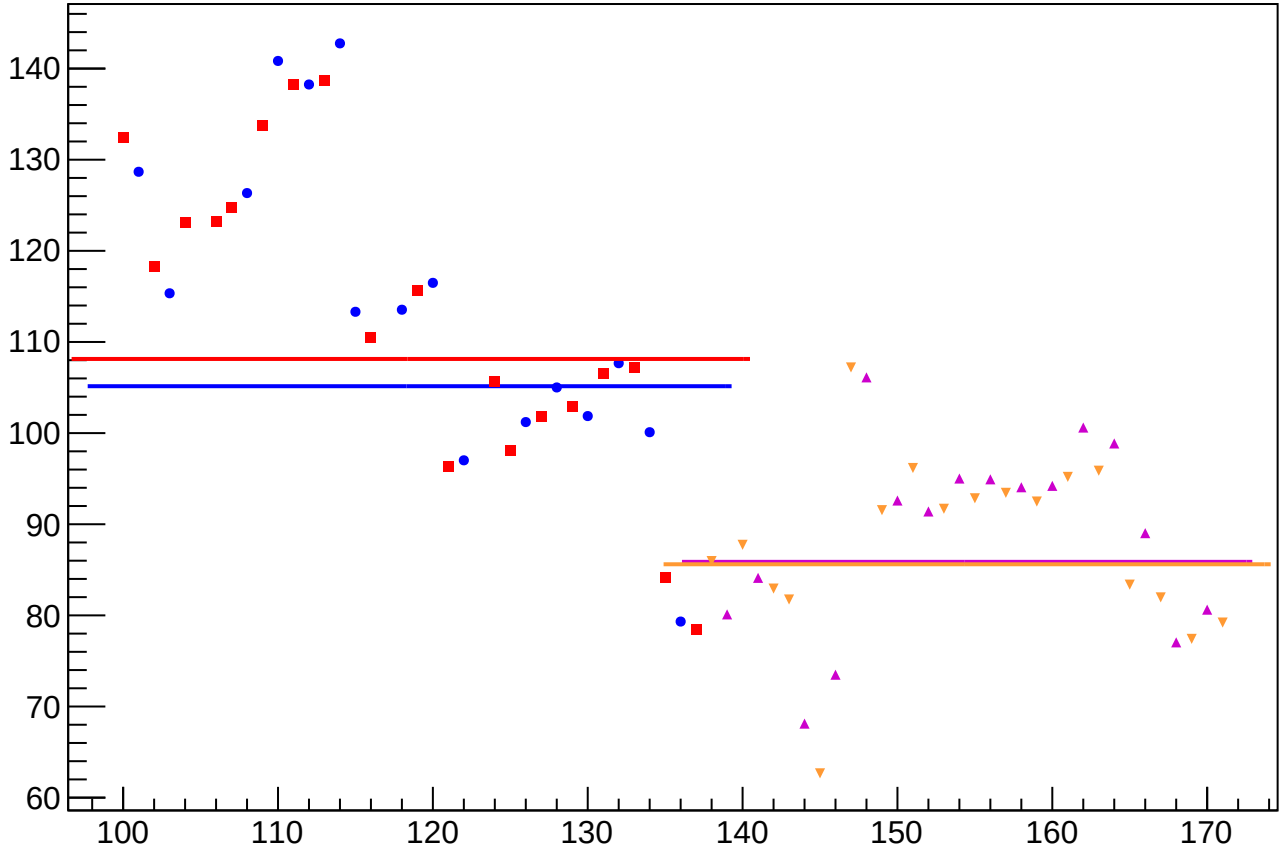
Left In: -7.245+/-23.867 χ^2/NDF:12.6/15

+ sign 22.682+/-19.822 χ^2/NDF: 45.6/33

All: 6.331+/-14.254 χ^2/NDF: 74.0/68

- sign -11.179+/-20.512 χ^2/NDF: 26.9/34

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.608+/-0.016 χ^2/NDF:423382.1/17

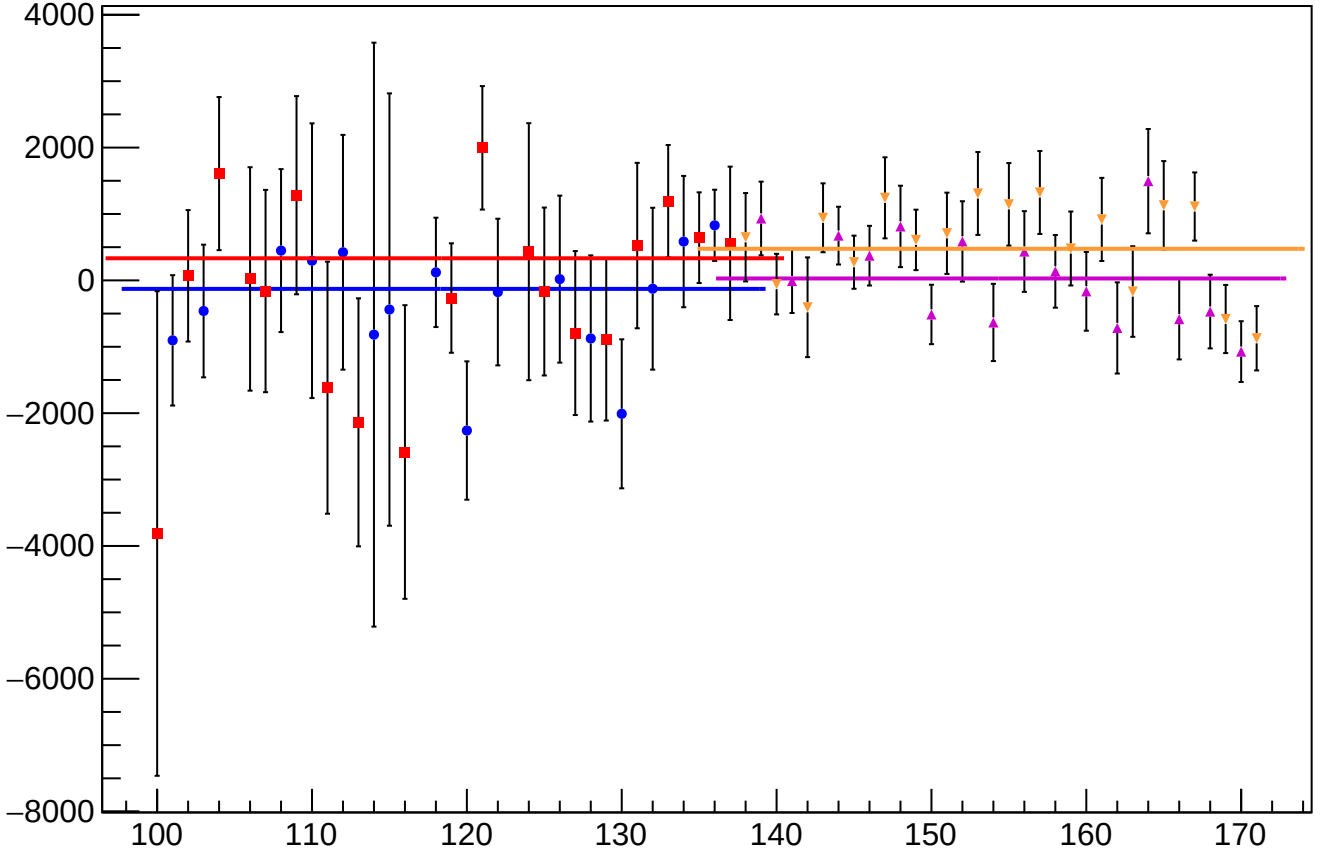
Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.873+/-0.017 χ^2/NDF:399320.7/15

+ sign 90.482+/-0.014 χ^2/NDF: 1195607.3/33

All: 91.066+/-0.010 χ^2/NDF: 2399696.0/68

- sign 91.692+/-0.015 χ^2/NDF: 1200489.1/34



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 475.951+/-130.491 χ^2/NDF:26.4/17

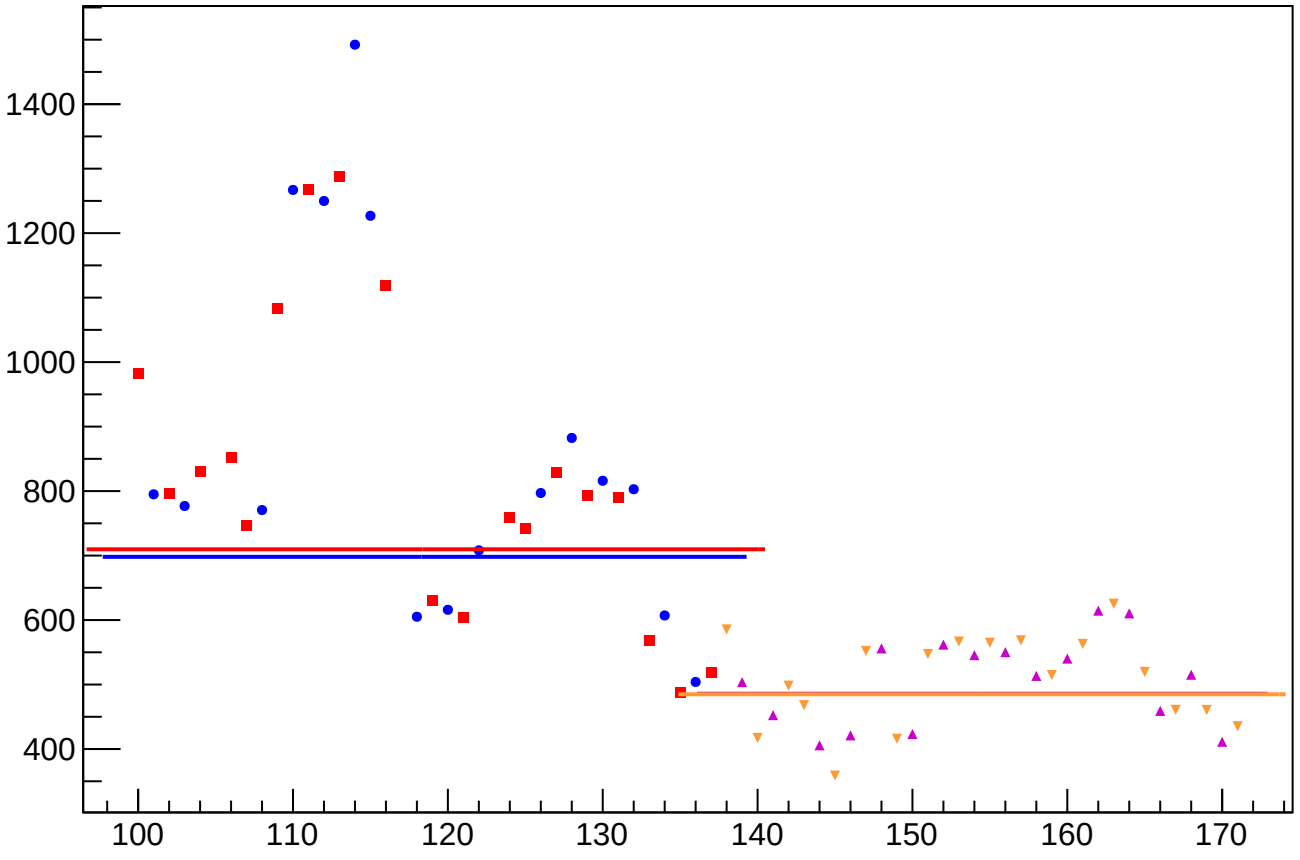
Right Out: 332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: 28.706+/-135.445 χ^2/NDF:23.6/15

+ sign 360.625+/-117.374 χ^2/NDF: 42.7/33

All: 229.352+/-84.296 χ^2/NDF: 84.6/68

- sign 89.517+/-121.141 χ^2/NDF: 39.3/34



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

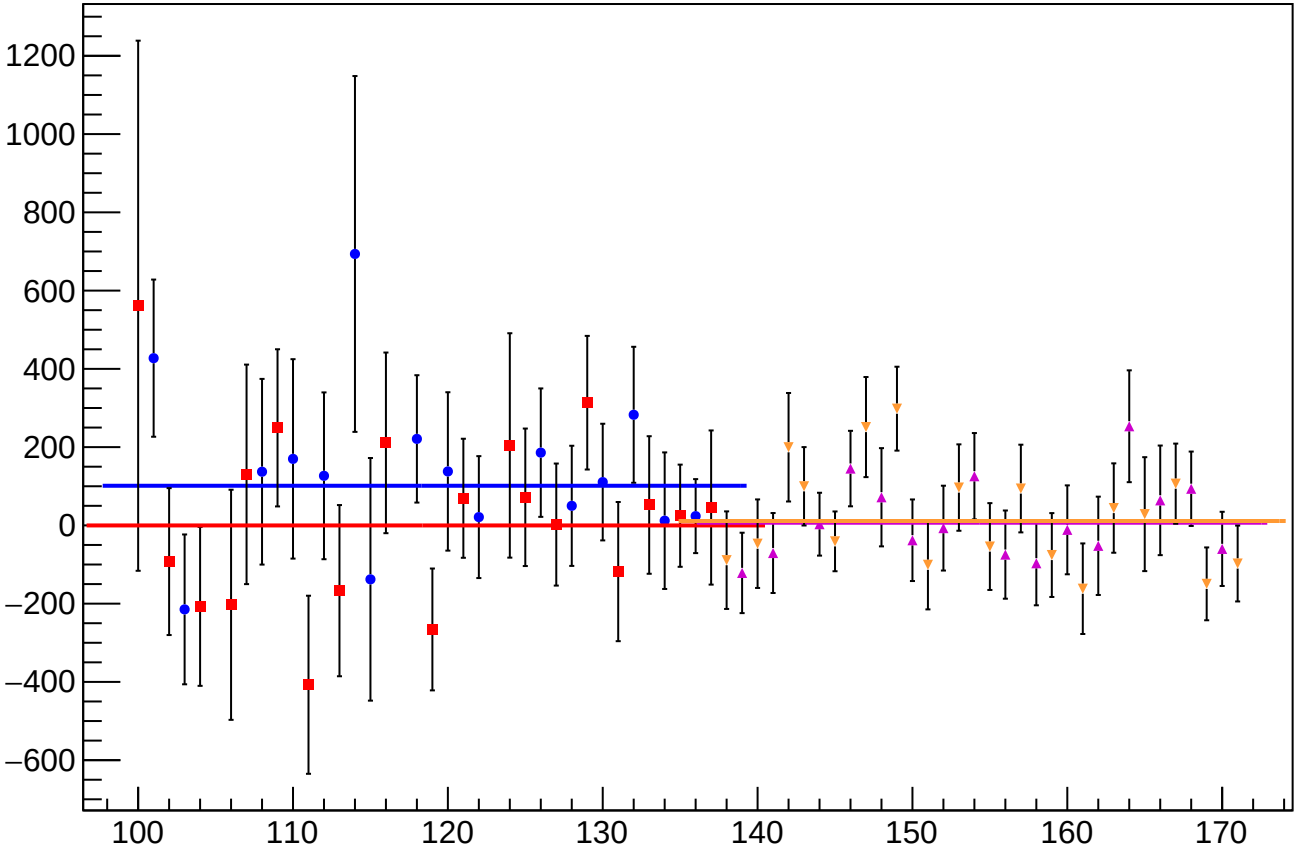
Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

+ sign 525.604+/-0.083 χ^2/NDF: 2574017.0/33

All: 528.012+/-0.060 χ^2/NDF: 5163307.4/68

- sign 530.576+/-0.086 χ^2/NDF: 2587553.0/34

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 11.207+/-25.513 χ^2/NDF:25.2/17

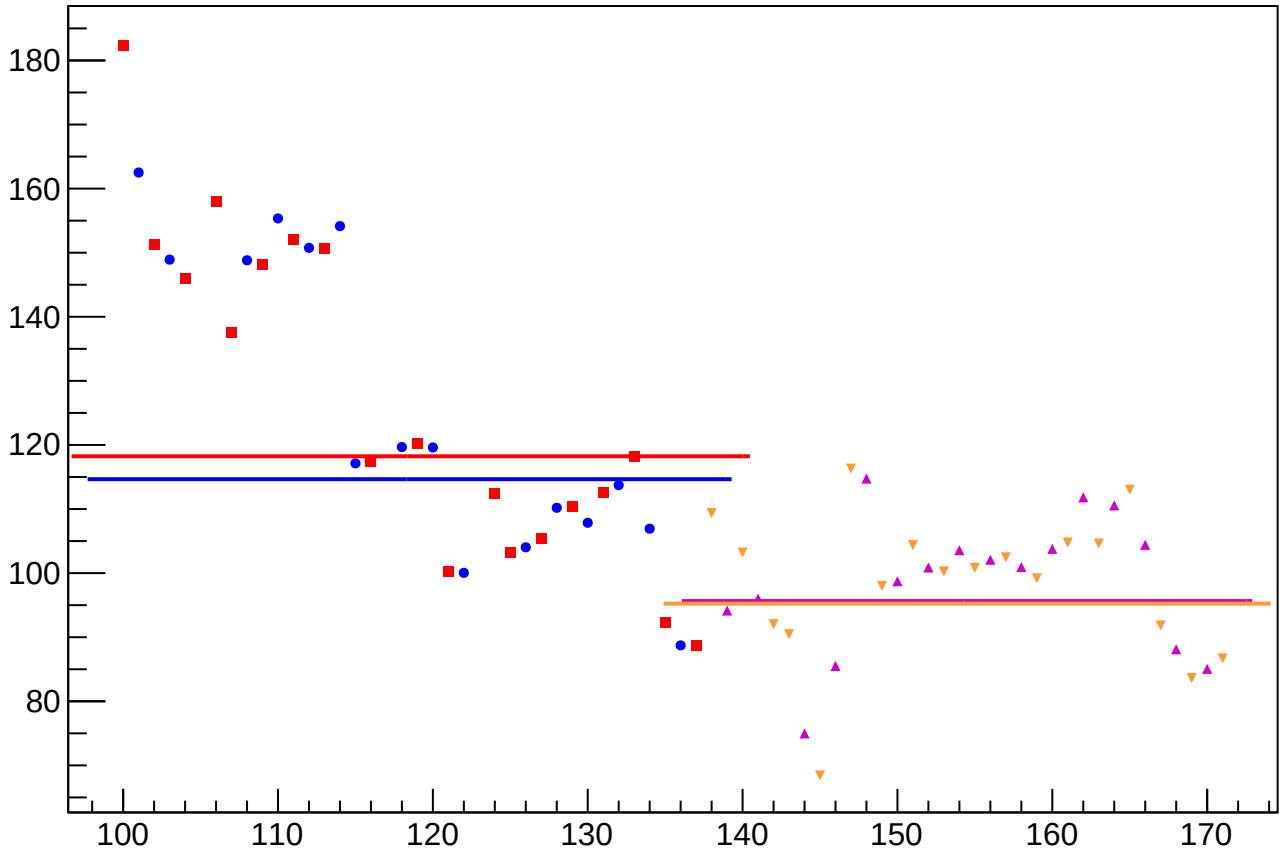
Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 6.781+/-26.690 χ^2/NDF:12.0/15

+ sign 34.253+/-22.008 χ^2/NDF: 39.4/33

All: 20.123+/-15.843 χ^2/NDF: 68.9/68

- sign 4.925+/-22.825 χ^2/NDF: 28.6/34



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.238+/-0.018 χ^2/NDF:481838.5/17

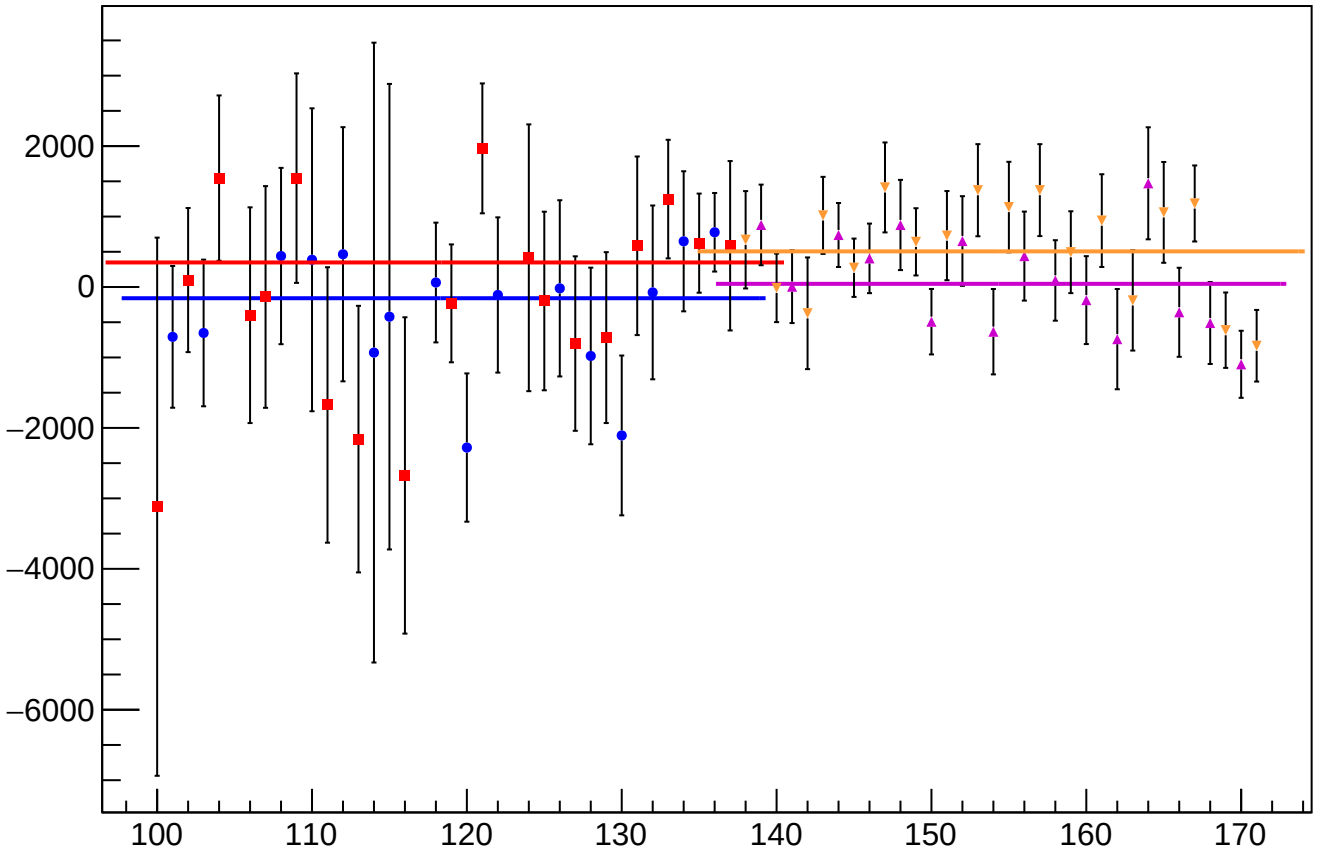
Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.638+/-0.019 χ^2/NDF:340008.7/15

+ sign 100.206+/-0.016 χ^2/NDF: 1310193.1/33

All: 100.930+/-0.011 χ^2/NDF: 2523098.5/68

- sign 101.708+/-0.016 χ^2/NDF: 1208416.7/34



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 505.877+/-136.650 χ^2/NDF:25.2/17

Right Out: 348.528+/-273.595 χ^2/NDF: 14.3/18

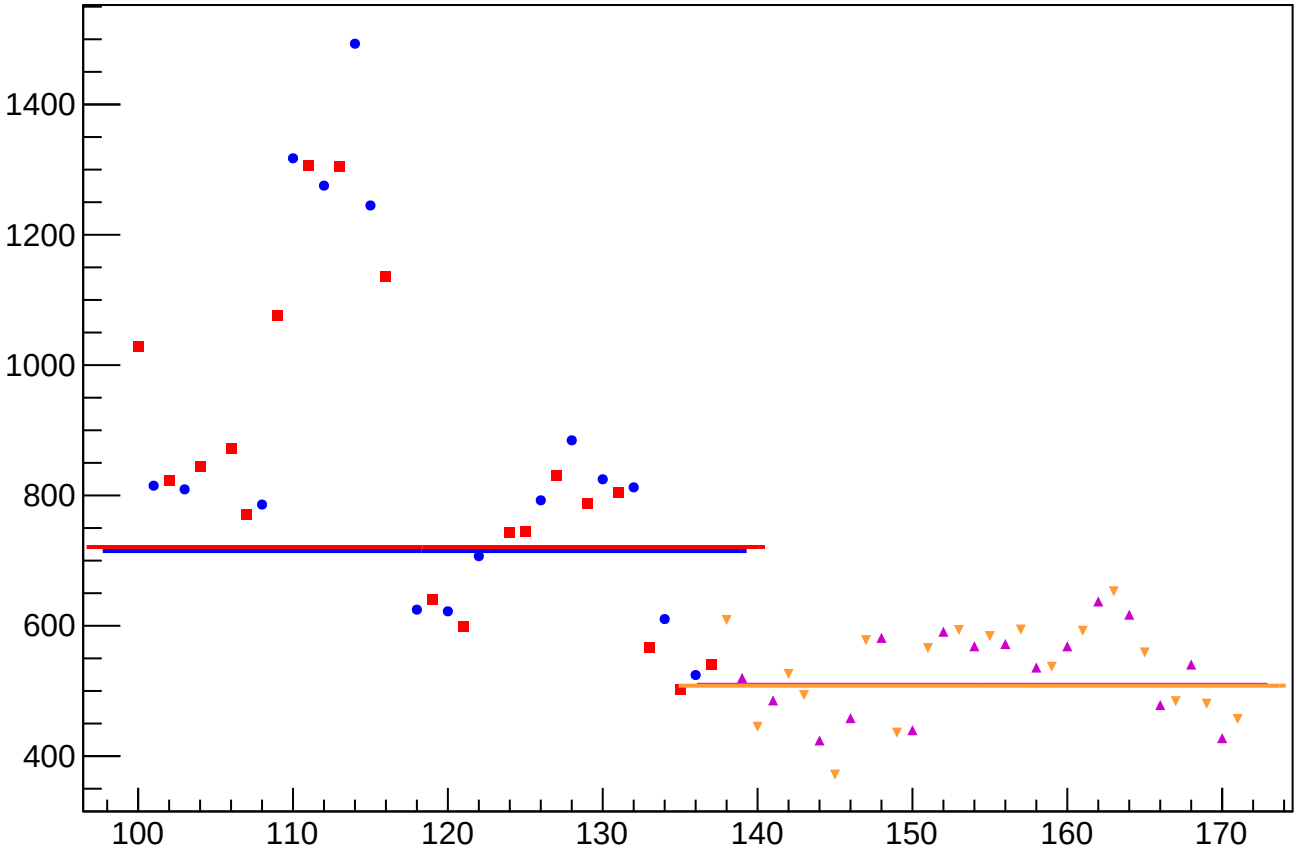
Left In: 45.015+/-142.015 χ^2/NDF:22.3/15

+ sign 373.853+/-122.336 χ^2/NDF: 41.9/33

All: 245.594+/-87.787 χ^2/NDF: 81.7/68

- sign 109.435+/-126.046 χ^2/NDF: 37.5/34

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 508.091+/-0.097 χ^2/NDF:639382.0/17

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

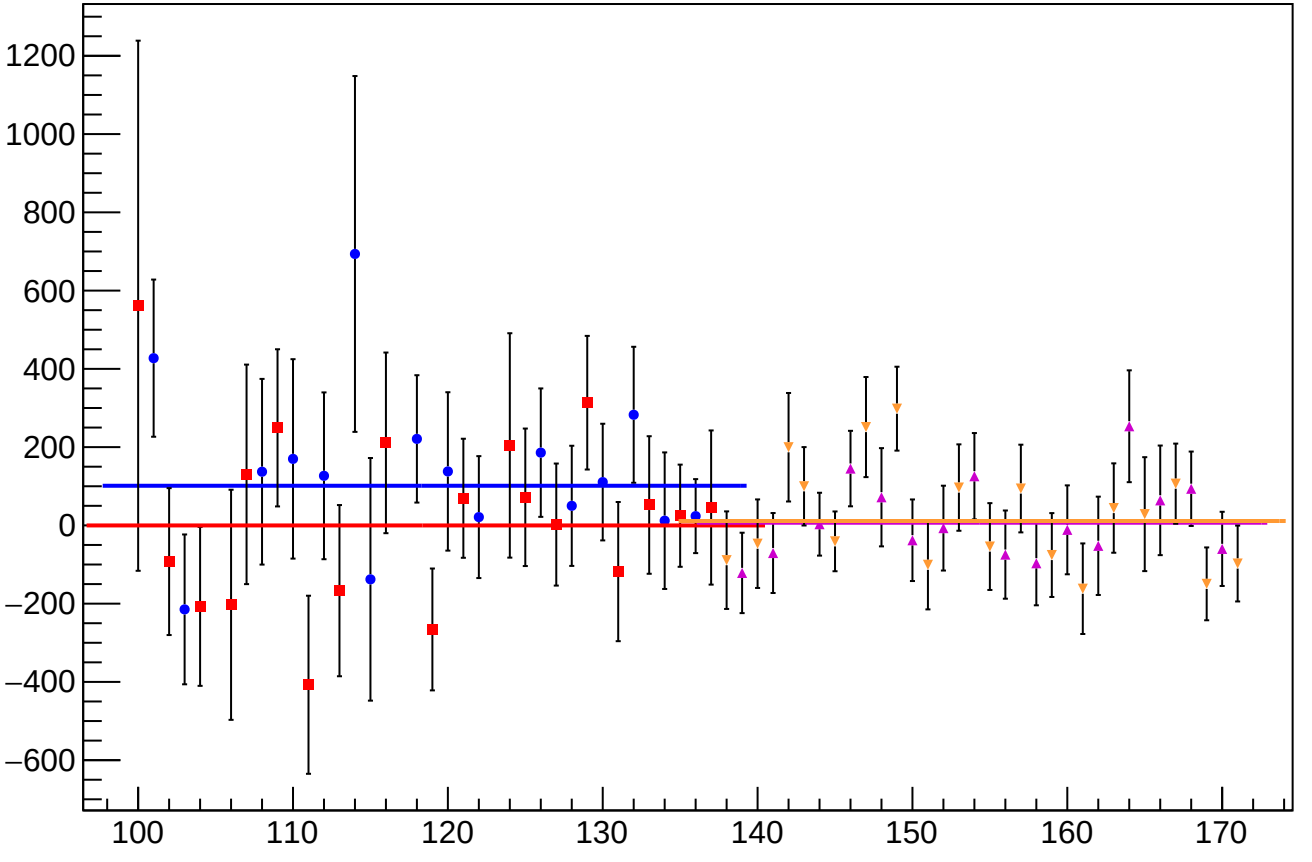
Left In: 509.463+/-0.100 χ^2/NDF:431922.8/15

+ sign 549.104+/-0.087 χ^2/NDF: 2423009.0/33

All: 551.642+/-0.062 χ^2/NDF: 4815951.6/68

- sign 554.337+/-0.089 χ^2/NDF: 2391167.3/34

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 11.205+/-25.513 χ^2/NDF:25.2/17

Right Out: -0.125+/-44.035 χ^2/NDF: 16.6/18

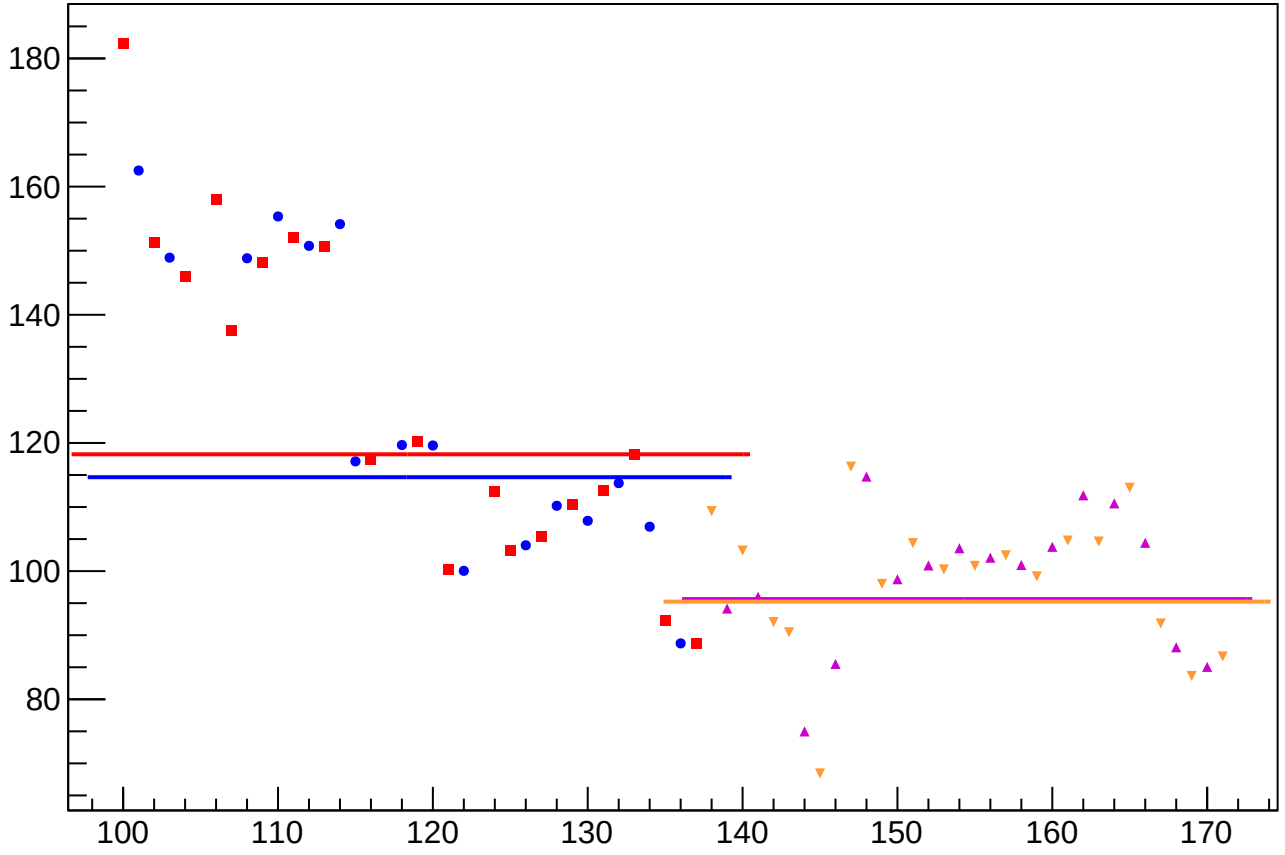
Left In: 6.782+/-26.690 χ^2/NDF:12.0/15

+ sign 34.251+/-22.008 χ^2/NDF: 39.4/33

All: 20.123+/-15.843 χ^2/NDF: 68.9/68

- sign 4.926+/-22.825 χ^2/NDF: 28.6/34

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.238+/-0.018 χ^2/NDF:481846.0/17

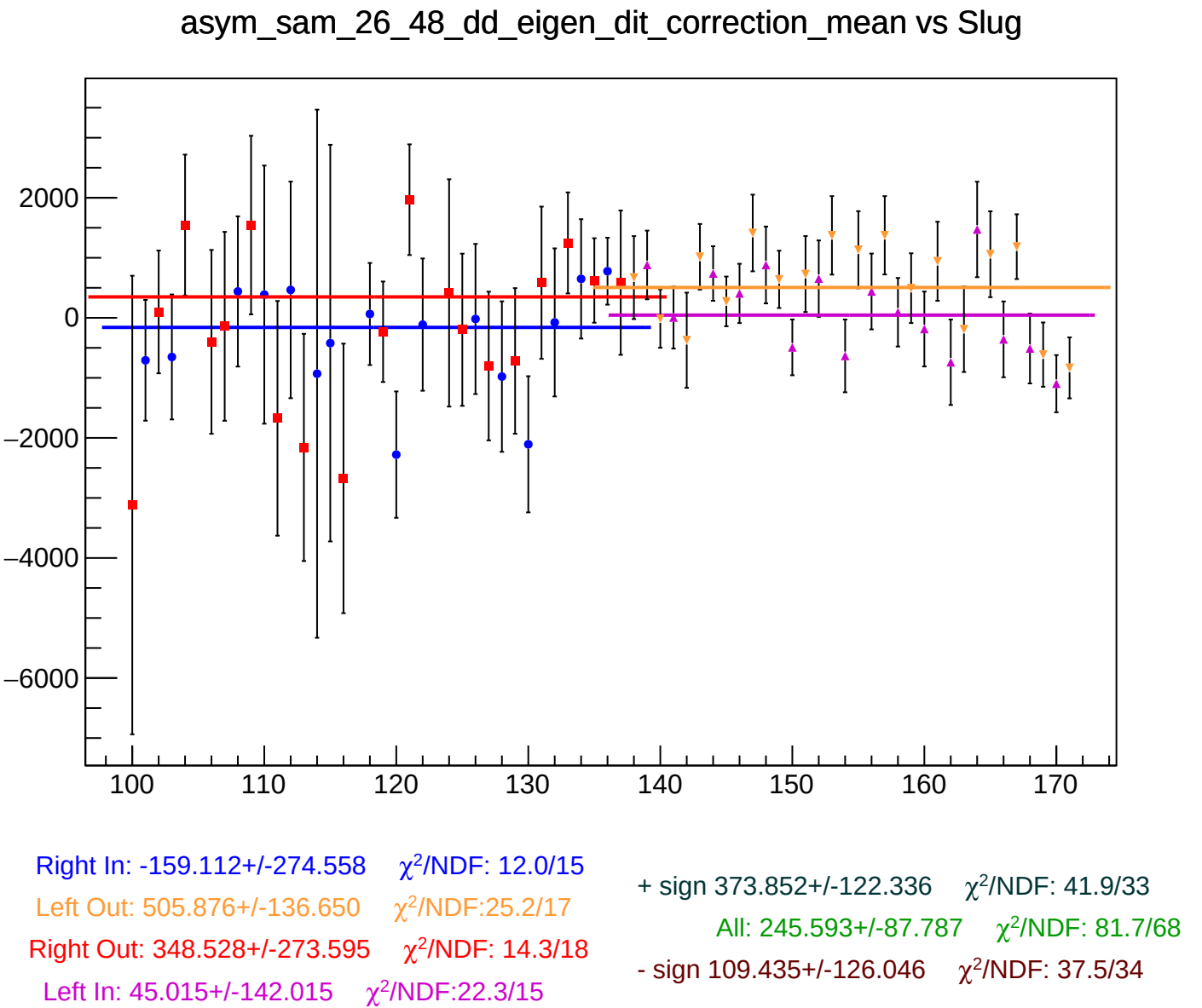
Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

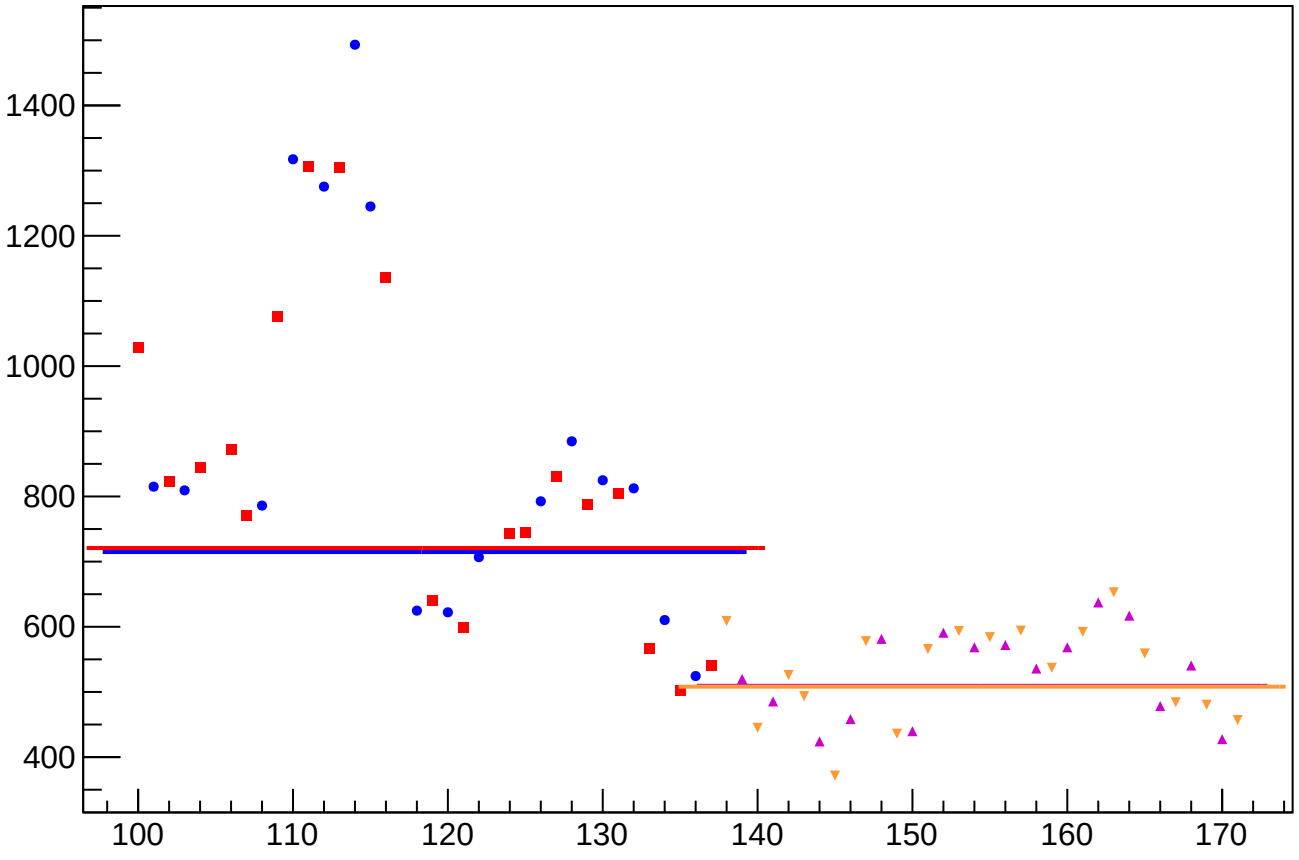
Left In: 95.638+/-0.019 χ^2/NDF:340011.0/15

+ sign 100.206+/-0.016 χ^2/NDF: 1310191.9/33

All: 100.930+/-0.011 χ^2/NDF: 2523092.3/68

- sign 101.708+/-0.016 χ^2/NDF: 1208411.9/34


asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -159.112+/-274.558 χ²/NDF: 12.0/15
Left Out: 505.876+/-136.650 χ²/NDF:25.2/17
Right Out: 348.528+/-273.595 χ²/NDF: 14.3/18
Left In: 45.015+/-142.015 χ²/NDF:22.3/15
+ sign 373.852+/-122.336 χ²/NDF: 41.9/33
All: 245.593+/-87.787 χ²/NDF: 81.7/68
- sign 109.435+/-126.046 χ²/NDF: 37.5/34



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 508.091+/-0.097 χ^2/NDF:639383.9/17

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

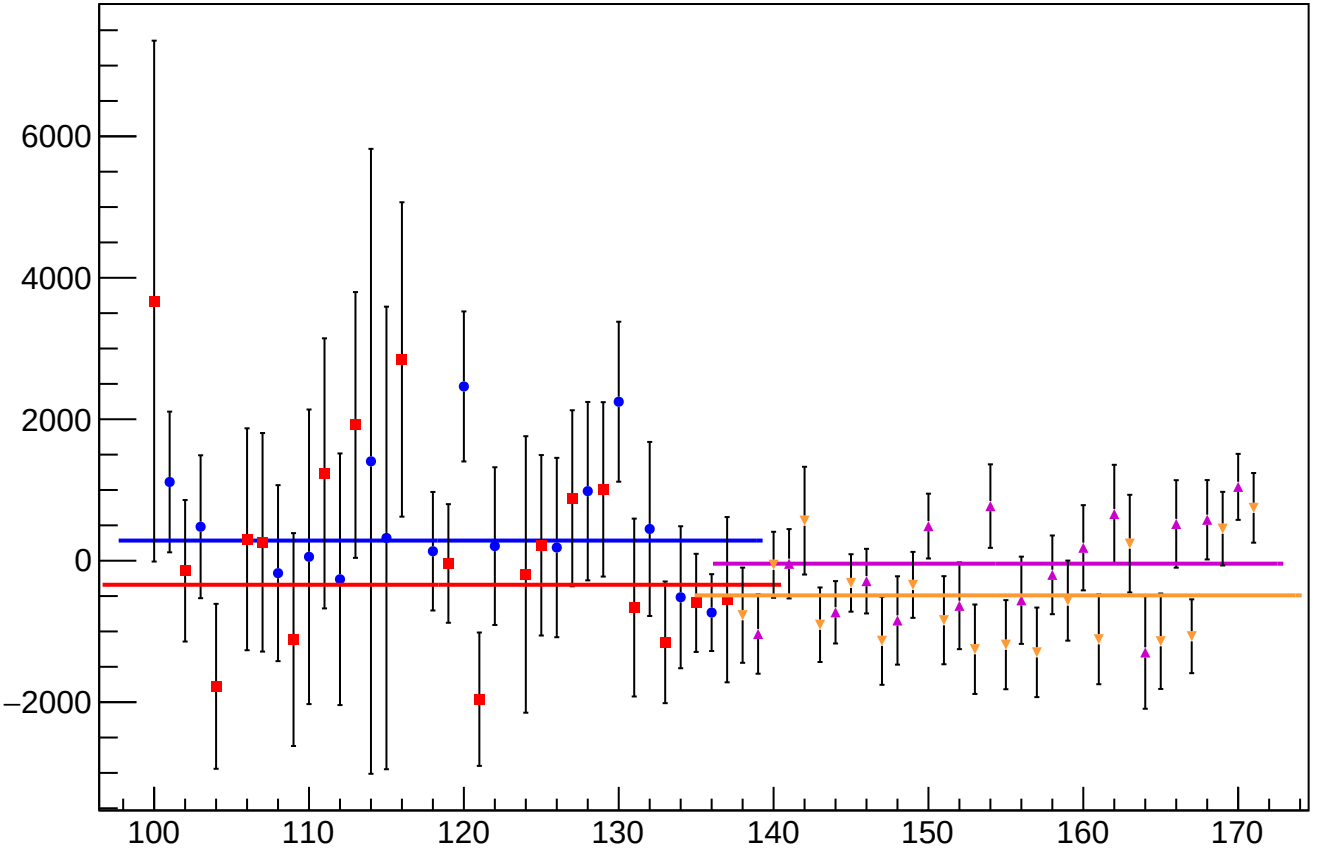
Left In: 509.463+/-0.100 χ^2/NDF:431922.5/15

+ sign 549.104+/-0.087 χ^2/NDF: 2423005.7/33

All: 551.642+/-0.062 χ^2/NDF: 4815940.3/68

- sign 554.337+/-0.089 χ^2/NDF: 2391159.3/34

asym_sam_26_48_dd_mean vs Slug



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -489.909+/-132.624 χ^2/NDF:23.4/17

Right Out: -340.018+/-273.601 χ^2/NDF: 14.1/18

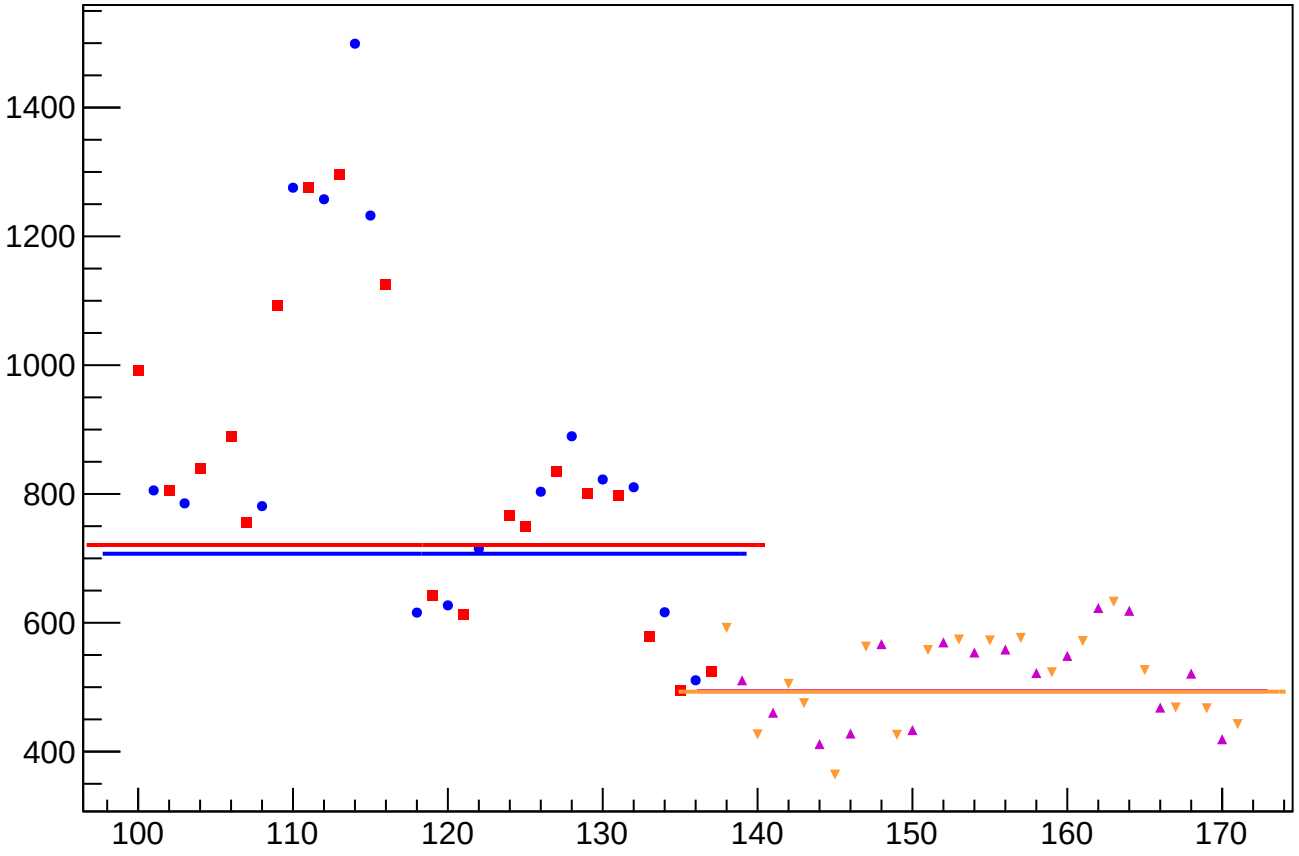
Left In: -41.903+/-137.667 χ^2/NDF:23.6/15

\+ sign -341.059+/-119.204 χ^2/NDF: 42.7/33

All: -225.317+/-85.593 χ^2/NDF: 83.3/68

\- sign -102.131+/-122.977 χ^2/NDF: 38.6/34

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 493.065+/-0.094 χ^2/NDF:628410.3/17

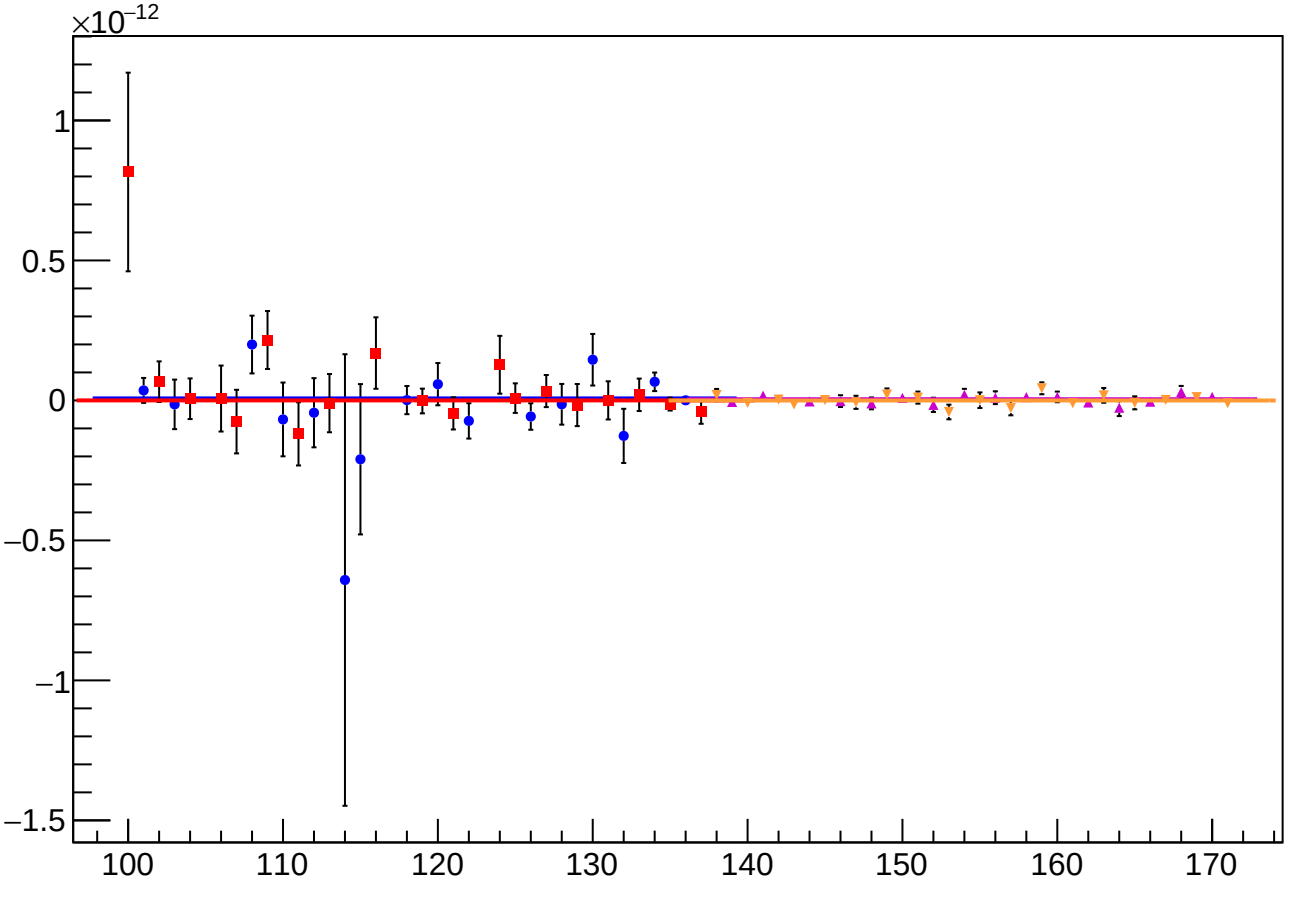
Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 493.902+/-0.097 χ^2/NDF:456277.1/15

+ sign 534.211+/-0.084 χ^2/NDF: 2526986.3/33

All: 536.888+/-0.061 χ^2/NDF: 5098001.4/68

- sign 539.738+/-0.087 χ^2/NDF: 2568932.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/17

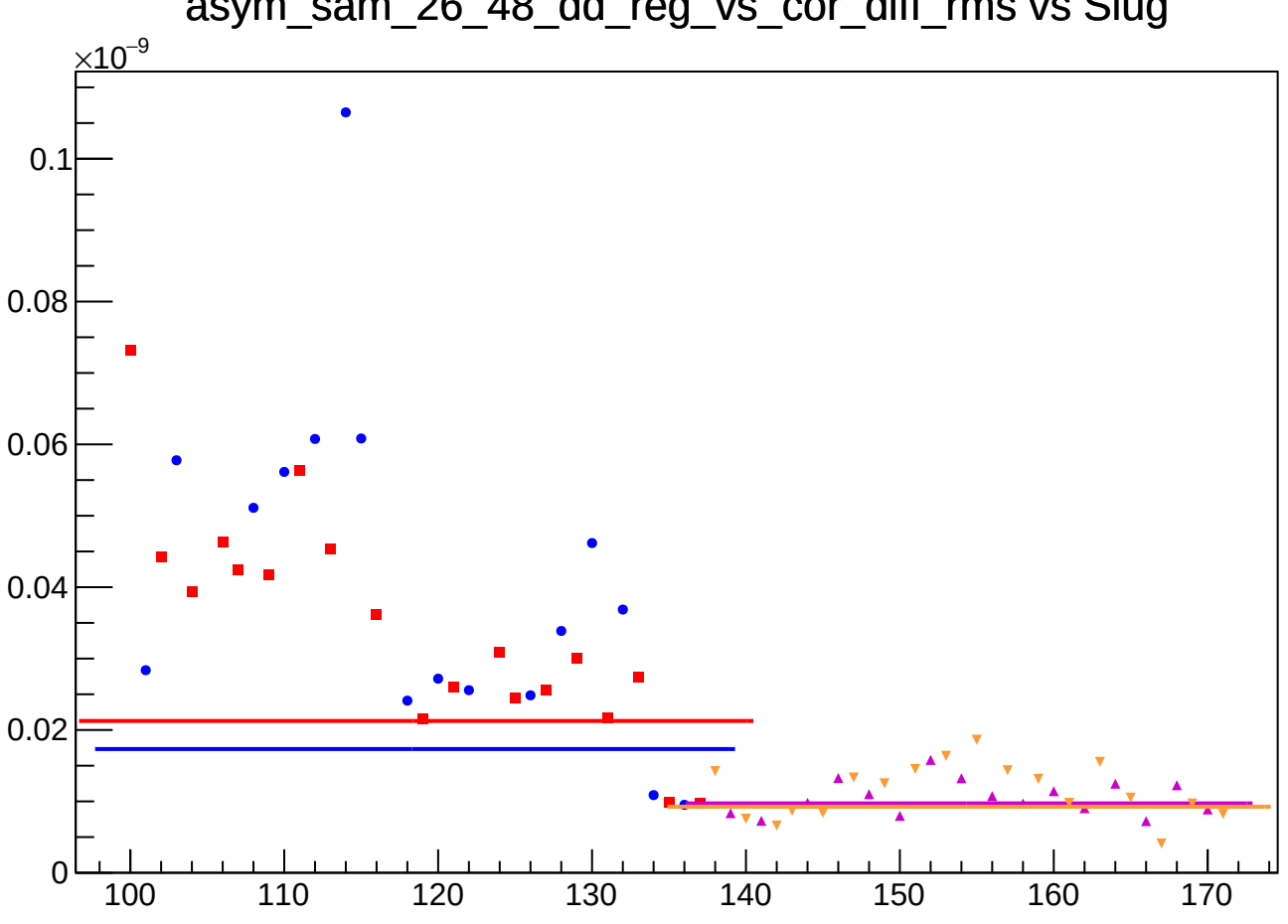
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/33

All: 0.000+/-0.000 χ^2/NDF: 56.2/68

- sign 0.000+/-0.000 χ^2/NDF: 25.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1685076.4/17

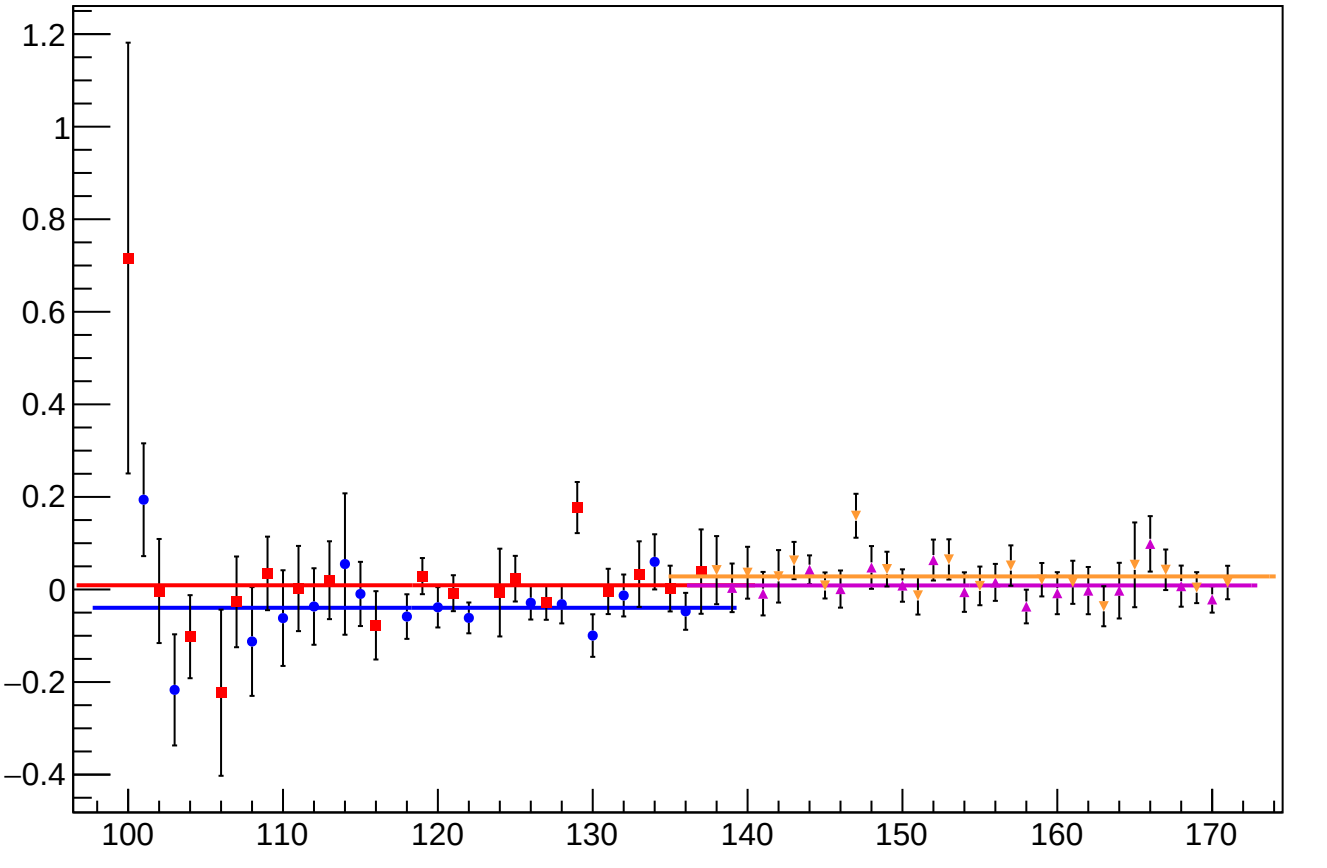
Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:467617.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 4931212.7/33

All: 0.000+/-0.000 χ^2/NDF: 8436960.8/68

- sign 0.000+/-0.000 χ^2/NDF: 3476408.8/34



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

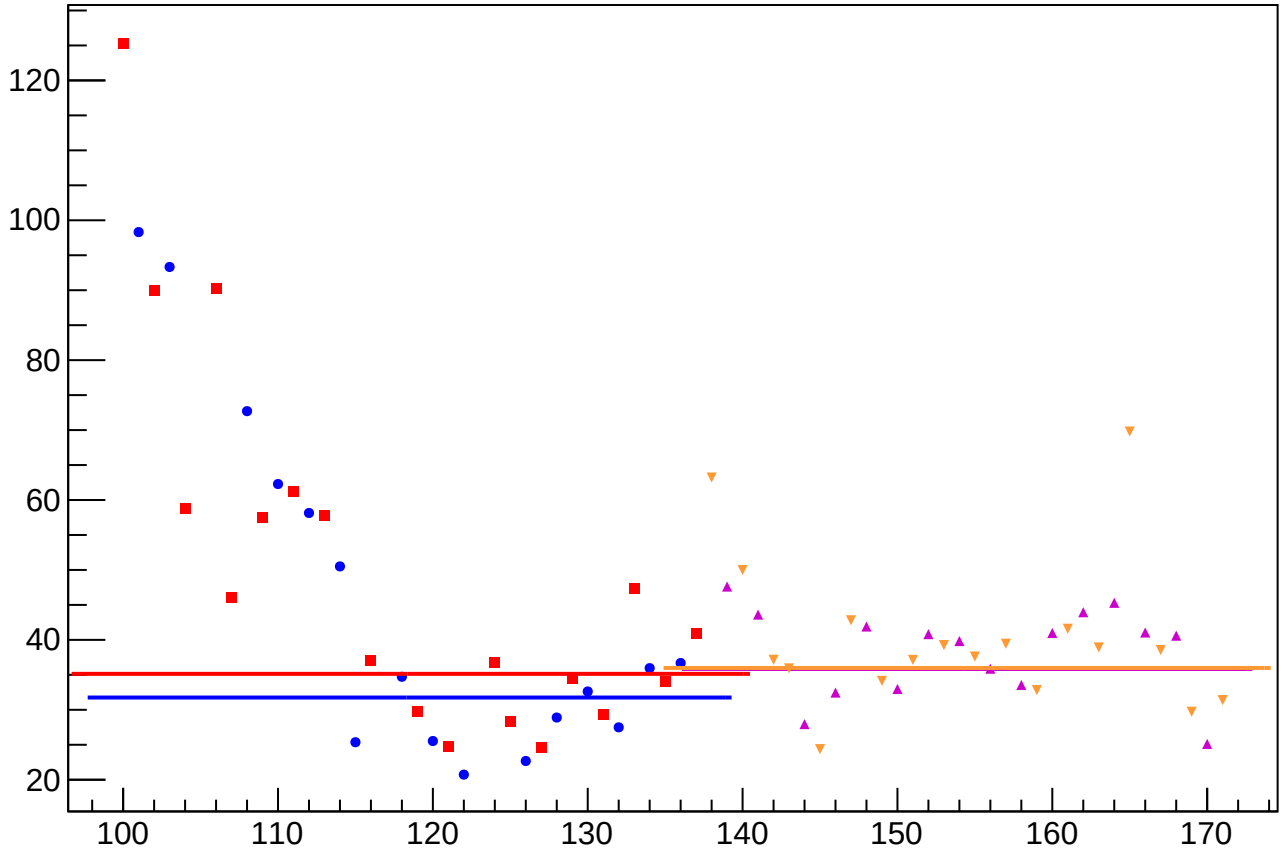
Left In: 0.009+/-0.010 χ^2/NDF:8.9/15

+ sign 0.004+/-0.008 χ^2/NDF: 43.8/33

All: 0.006+/-0.006 χ^2/NDF: 71.2/68

- sign 0.009+/-0.008 χ^2/NDF: 27.2/34

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: 35.985+/-0.007 χ^2/NDF:1249375.6/17

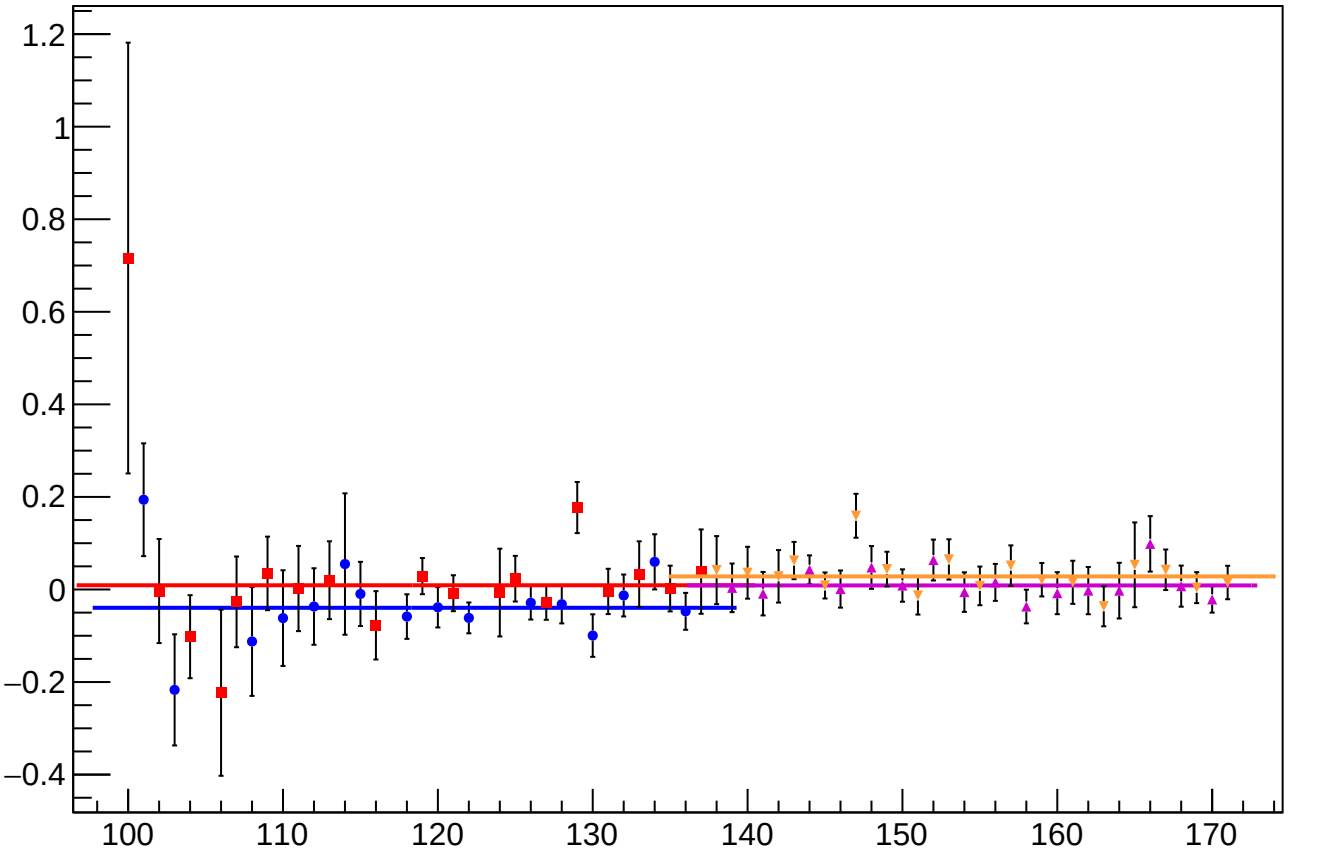
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

+ sign 34.448+/-0.006 χ^2/NDF: 3633248.5/33

All: 34.993+/-0.004 χ^2/NDF: 6343736.8/68

- sign 35.596+/-0.006 χ^2/NDF: 2690619.7/34



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

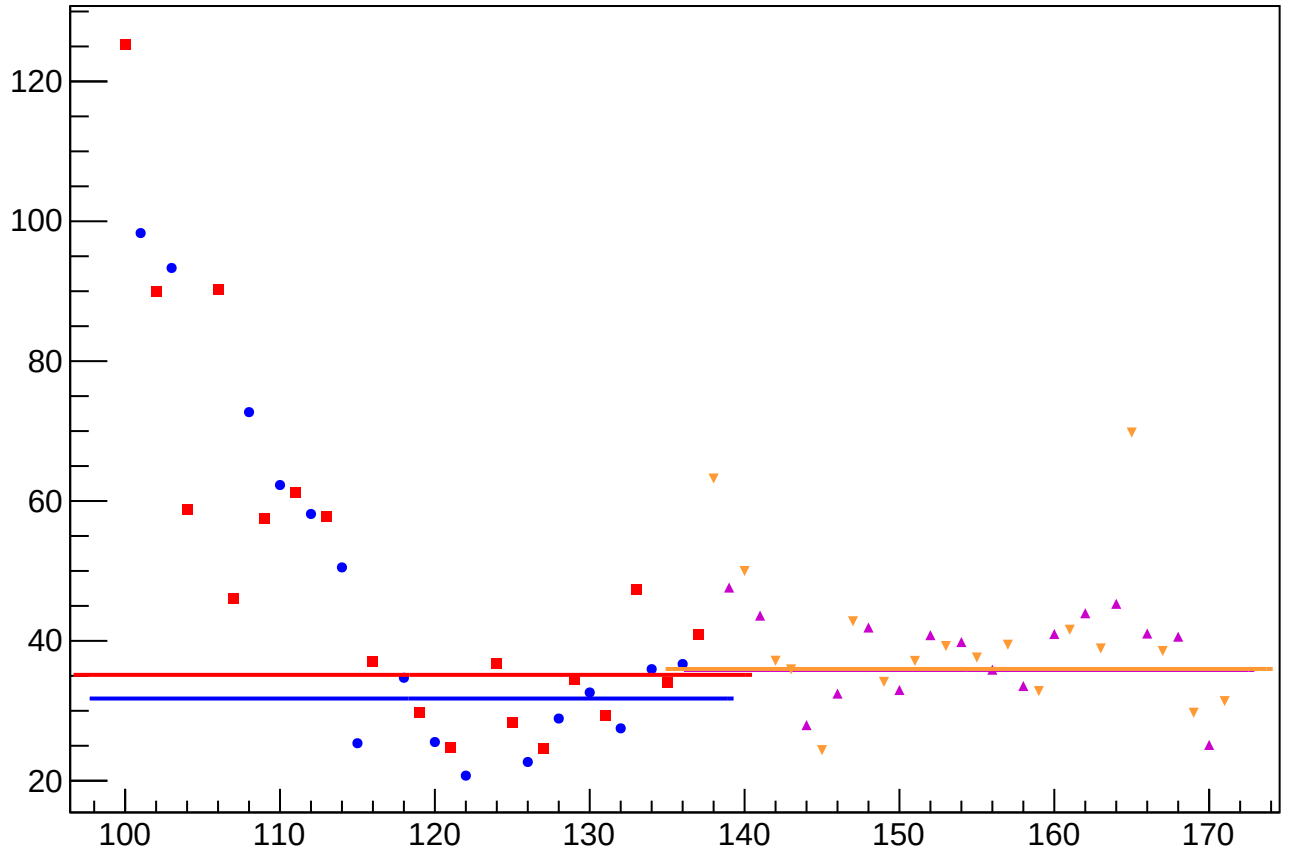
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:8.9/15

+ sign 0.004+/-0.008 χ^2/NDF: 43.8/33

All: 0.006+/-0.006 χ^2/NDF: 71.2/68

- sign 0.009+/-0.008 χ^2/NDF: 27.2/34



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249375.6/17

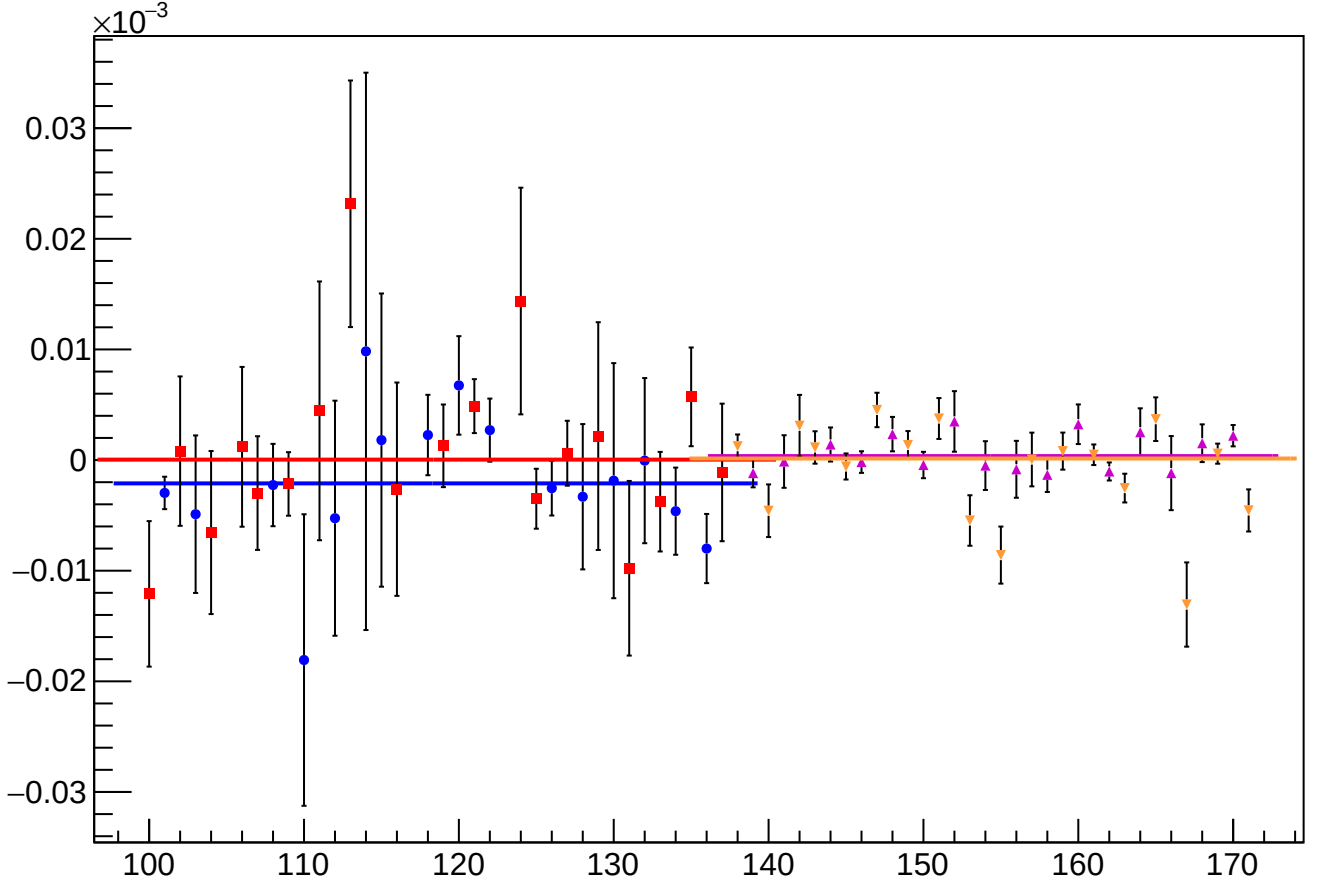
Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

+ sign 34.448+/-0.006 χ^2/NDF: 3633248.5/33

All: 34.993+/-0.004 χ^2/NDF: 6343736.8/68

- sign 35.596+/-0.006 χ^2/NDF: 2690619.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:63.3/17

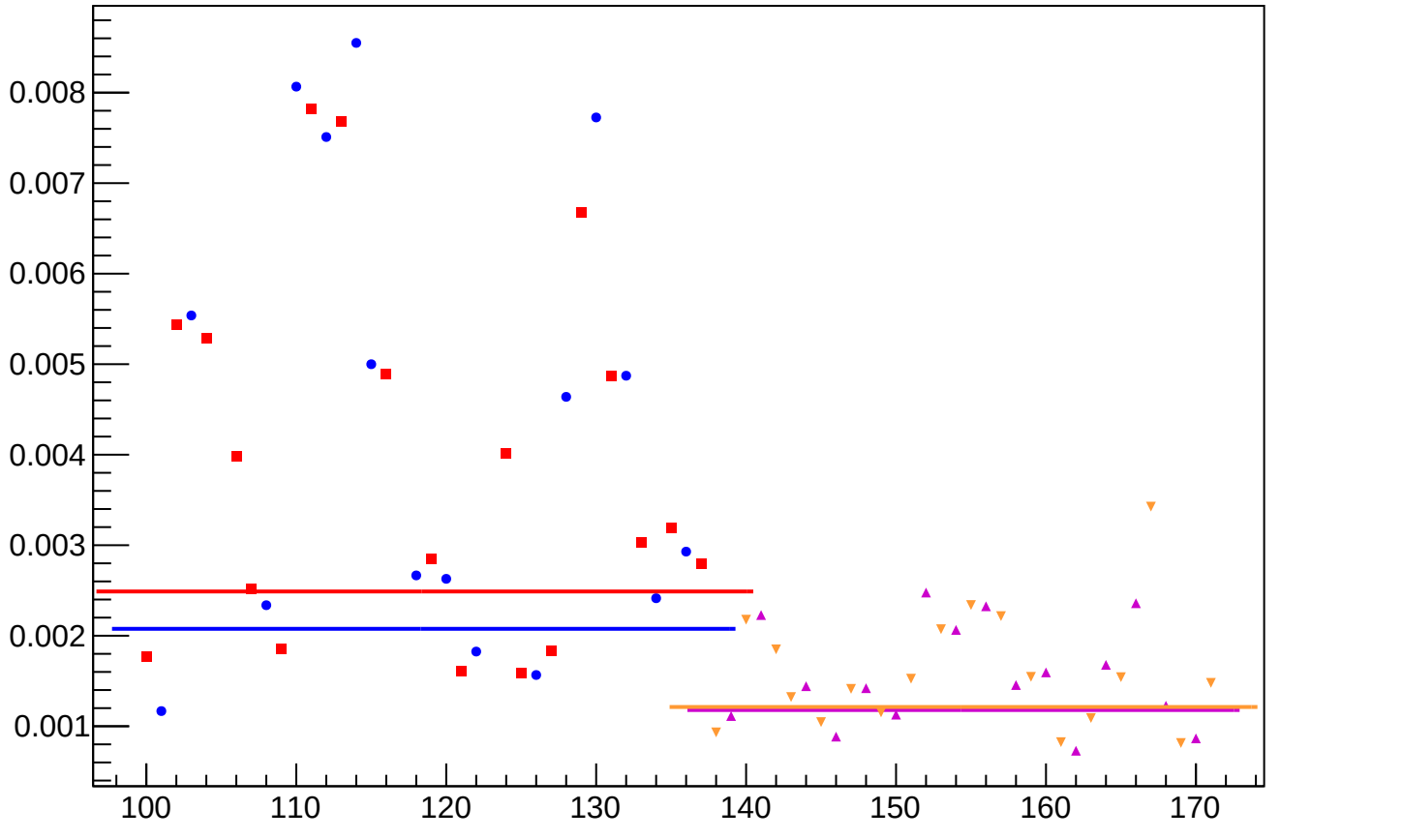
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/15

+ sign -0.000+/-0.000 χ^2/NDF: 83.3/33

All: 0.000+/-0.000 χ^2/NDF: 123.8/68

- sign 0.000+/-0.000 χ^2/NDF: 39.5/34



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3327148.5/17

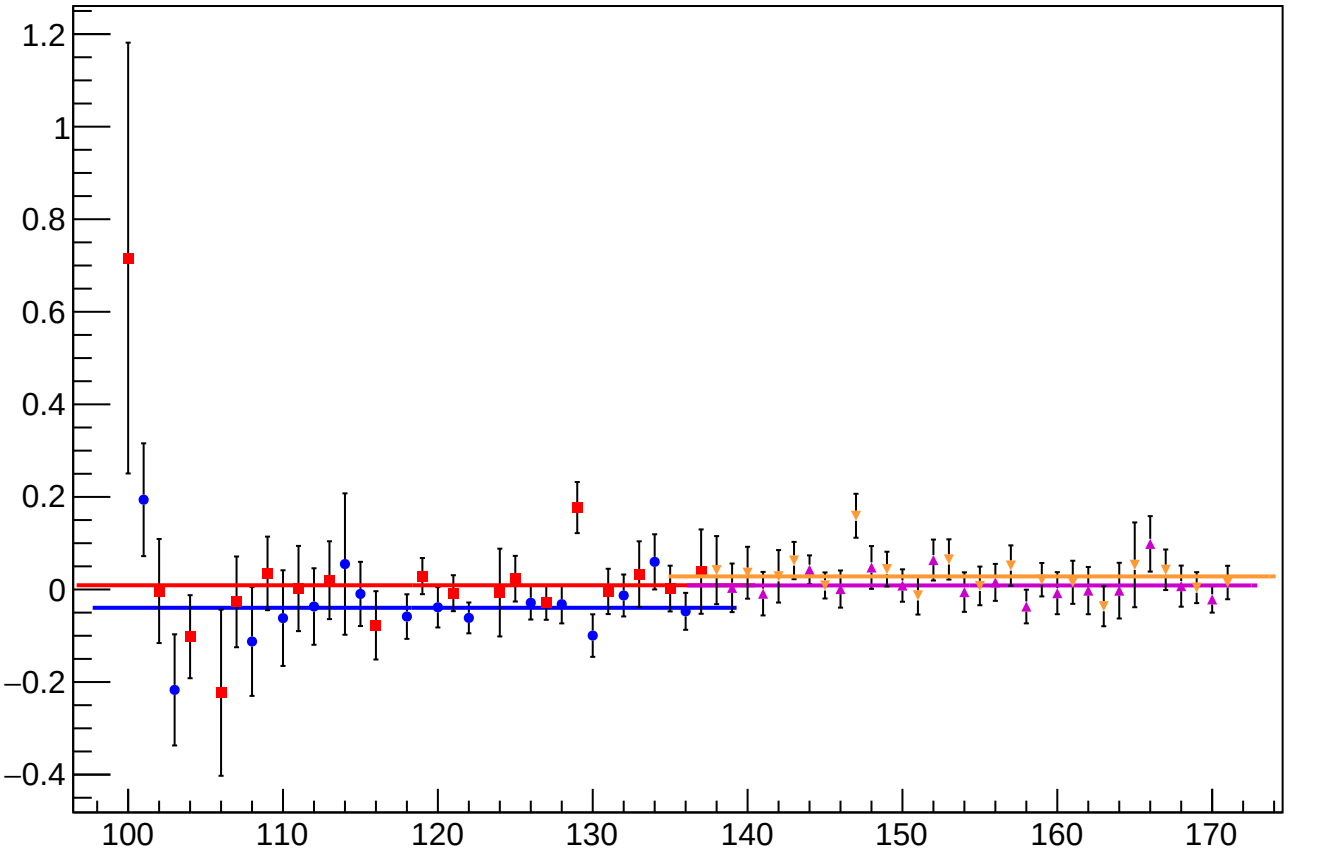
Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3201411.0/15

+ sign 0.001+/-0.000 χ^2/NDF: 8814222.1/33

All: 0.001+/-0.000 χ^2/NDF: 17932863.8/68

- sign 0.001+/-0.000 χ^2/NDF: 9118210.8/34



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

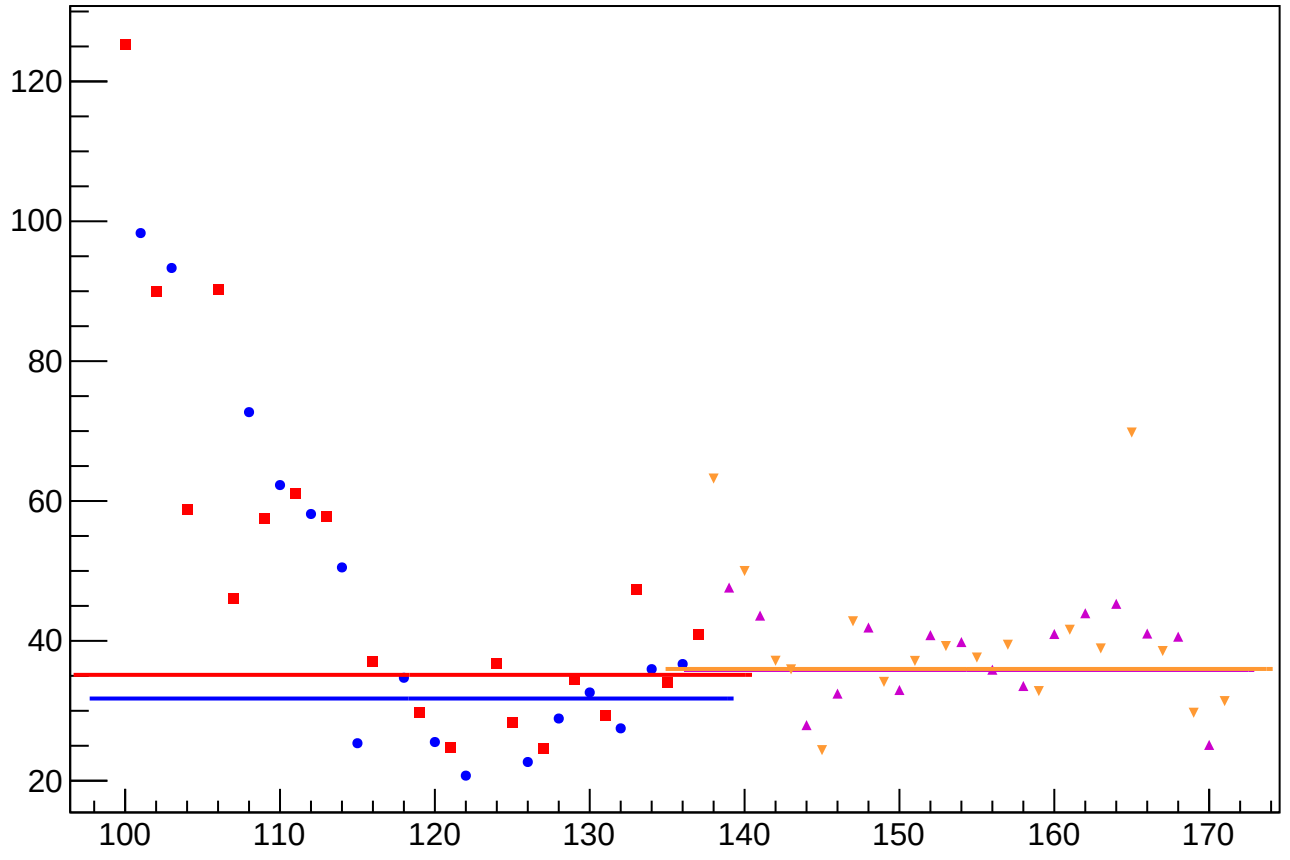
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:8.9/15

+ sign 0.004+/-0.008 χ^2/NDF: 43.8/33

All: 0.006+/-0.006 χ^2/NDF: 71.2/68

- sign 0.009+/-0.008 χ^2/NDF: 27.2/34



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

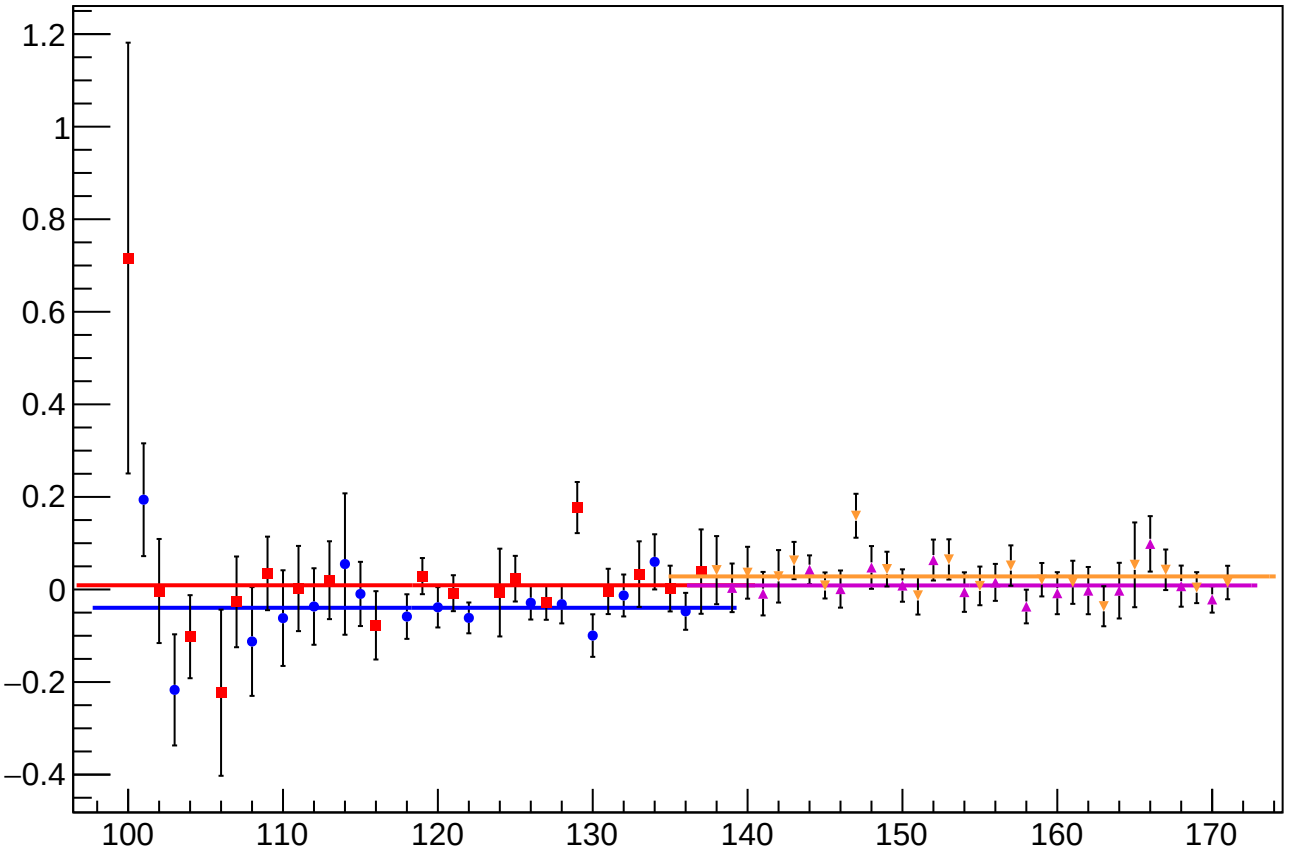
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

+ sign 34.448+/-0.006 χ^2/NDF: 3633227.0/33

All: 34.993+/-0.004 χ^2/NDF: 6343623.5/68

- sign 35.596+/-0.006 χ^2/NDF: 2690528.7/34



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

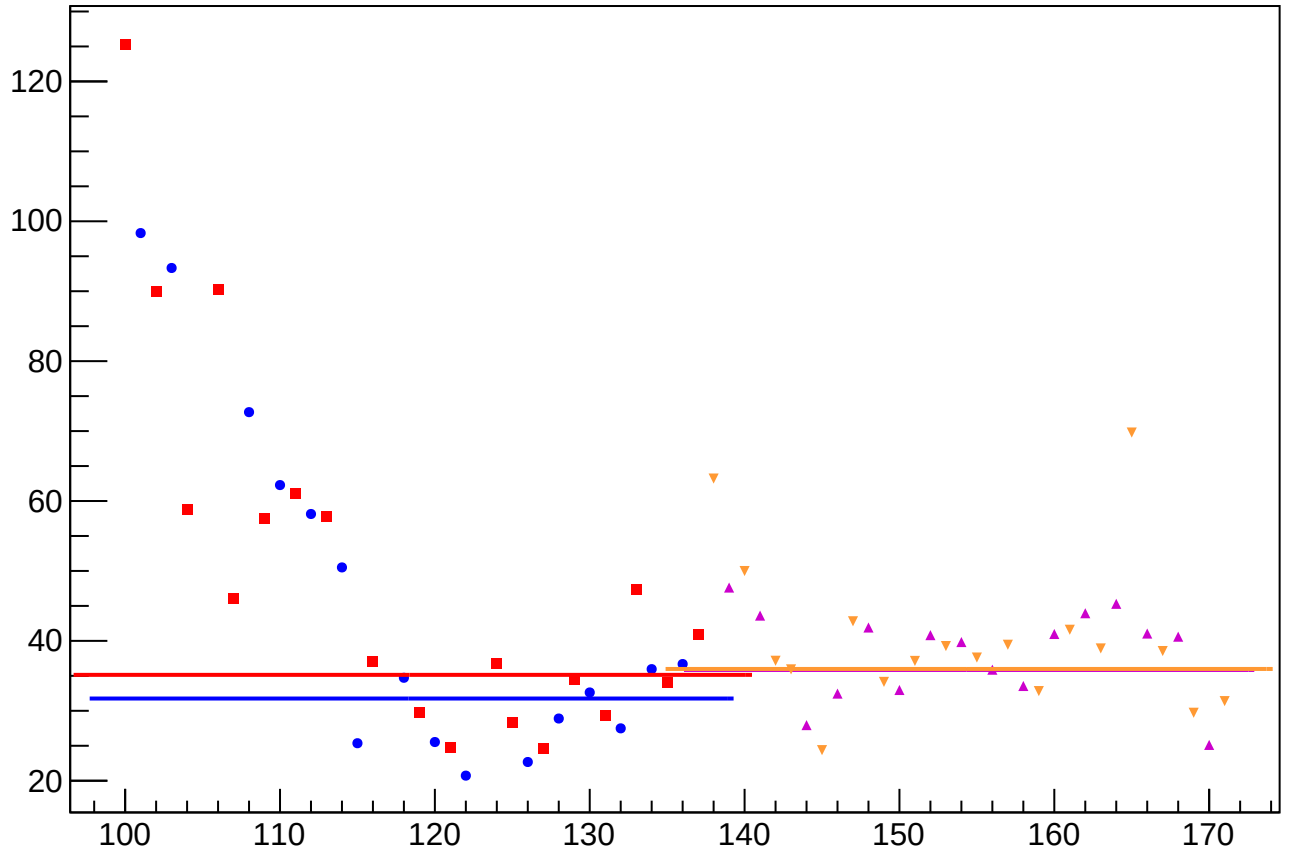
Right Out: 0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: 0.009+/-0.010 χ^2/NDF:8.9/15

+ sign 0.004+/-0.008 χ^2/NDF: 43.8/33

All: 0.006+/-0.006 χ^2/NDF: 71.2/68

- sign 0.009+/-0.008 χ^2/NDF: 27.2/34



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

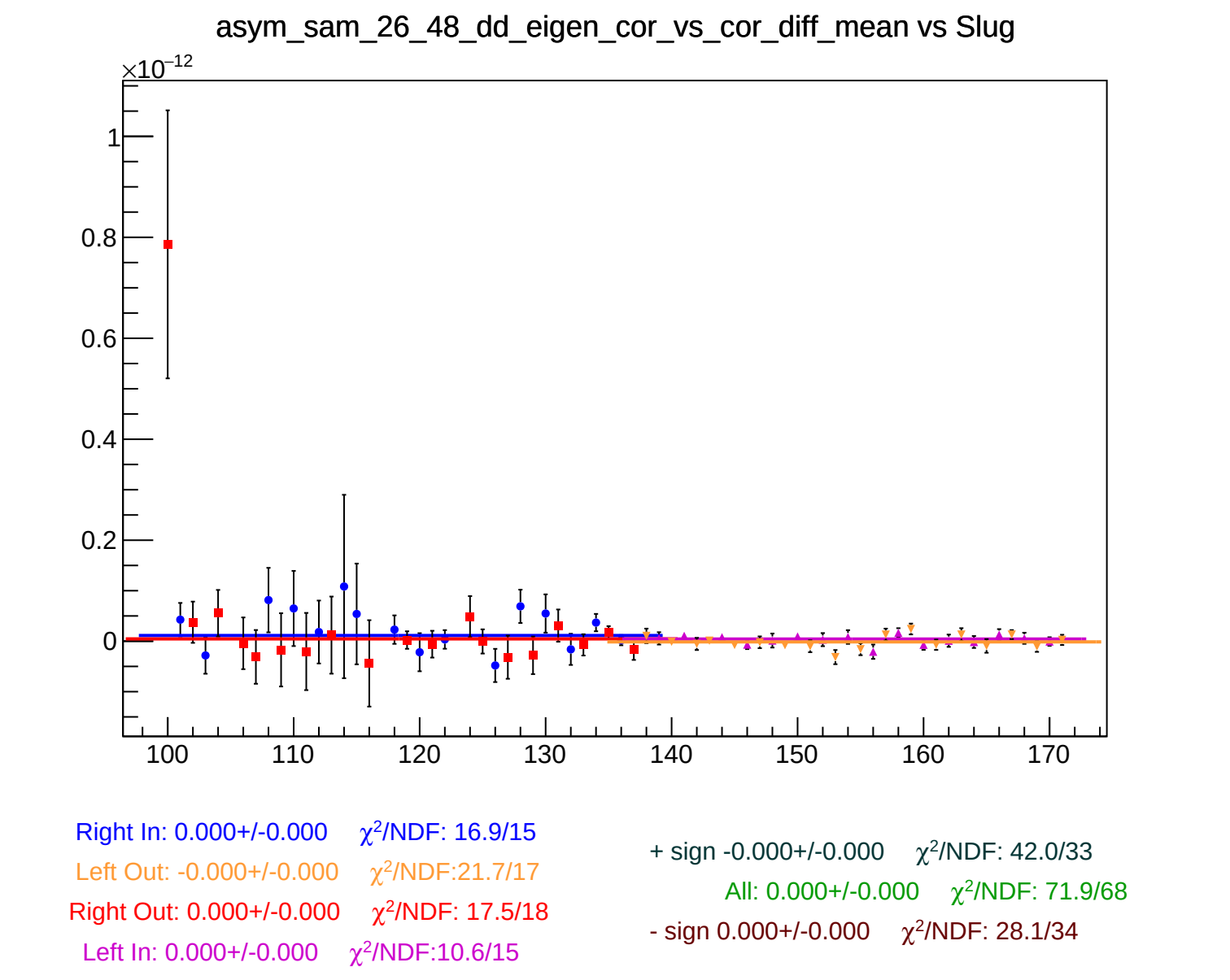
Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

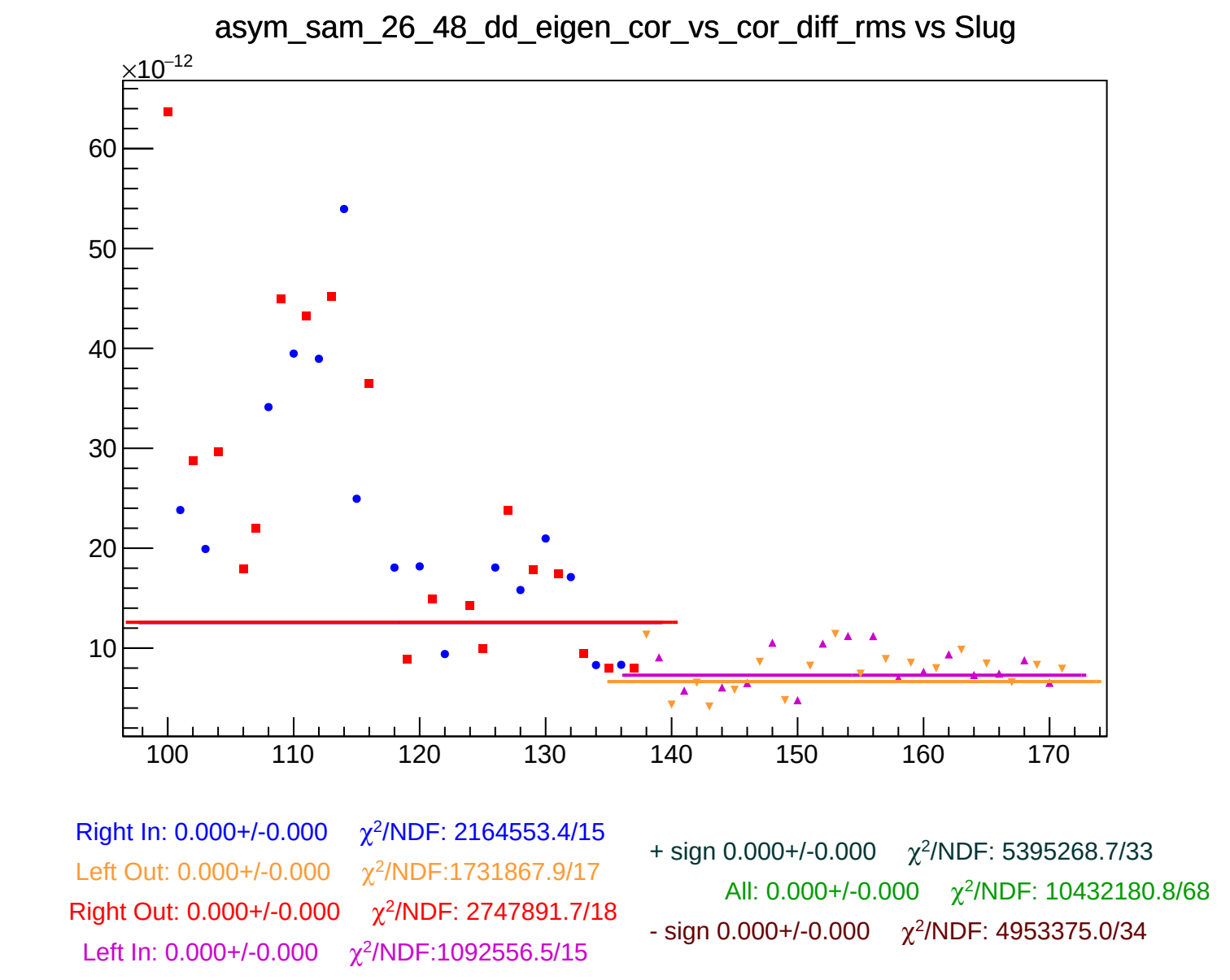
Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

+ sign 34.448+/-0.006 χ^2/NDF: 3633227.0/33

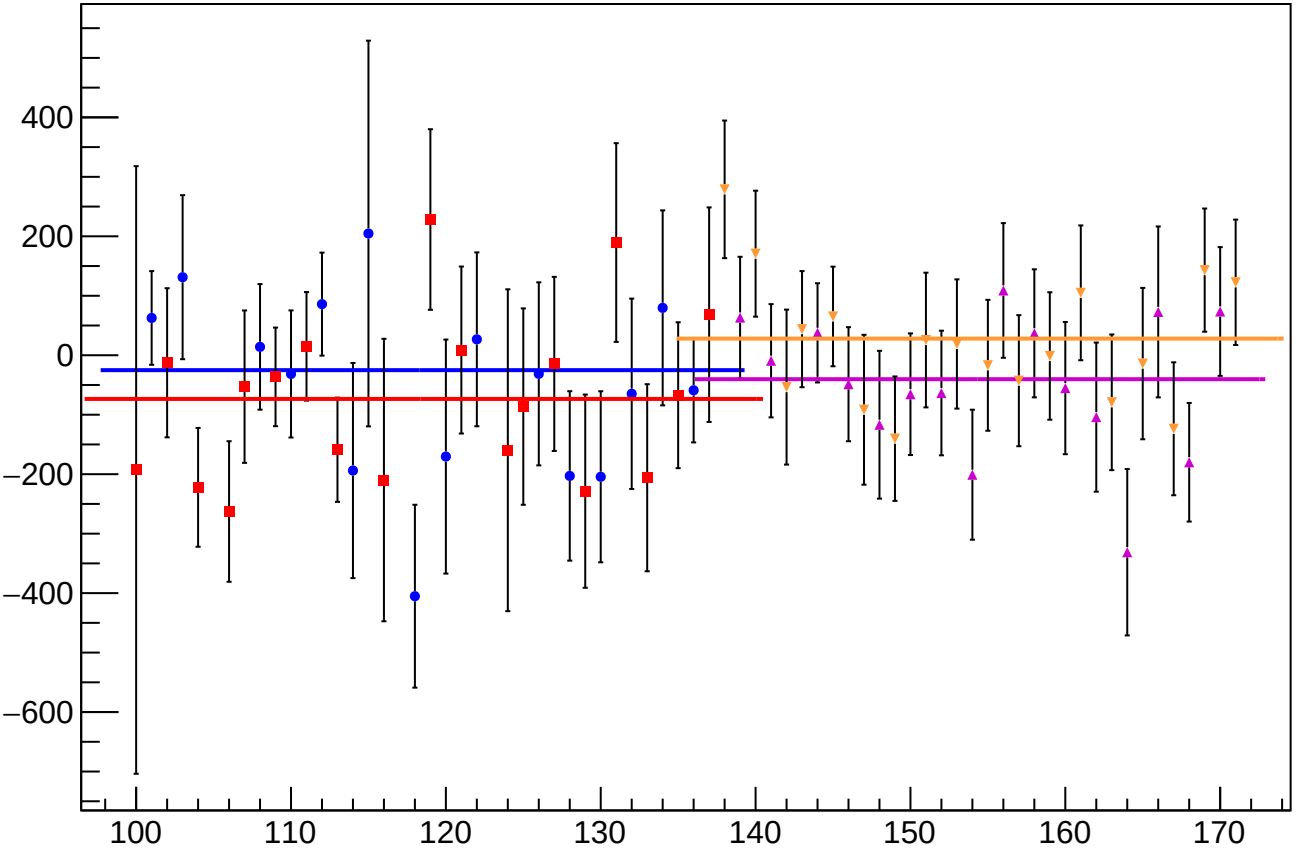
All: 34.993+/-0.004 χ^2/NDF: 6343623.5/68

- sign 35.596+/-0.006 χ^2/NDF: 2690528.7/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:21.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 17.5/18
Left In: 0.000+/-0.000 χ²/NDF:10.6/15
+ sign -0.000+/-0.000 χ²/NDF: 42.0/33
All: 0.000+/-0.000 χ²/NDF: 71.9/68
- sign 0.000+/-0.000 χ²/NDF: 28.1/34


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1731867.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1092556.5/15
+ sign 0.000+/-0.000 χ²/NDF: 5395268.7/33
All: 0.000+/-0.000 χ²/NDF: 10432180.8/68
- sign 0.000+/-0.000 χ²/NDF: 4953375.0/34

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 27.998+/-25.658 χ^2/NDF:16.6/17

Right Out: -73.458+/-29.935 χ^2/NDF: 16.8/18

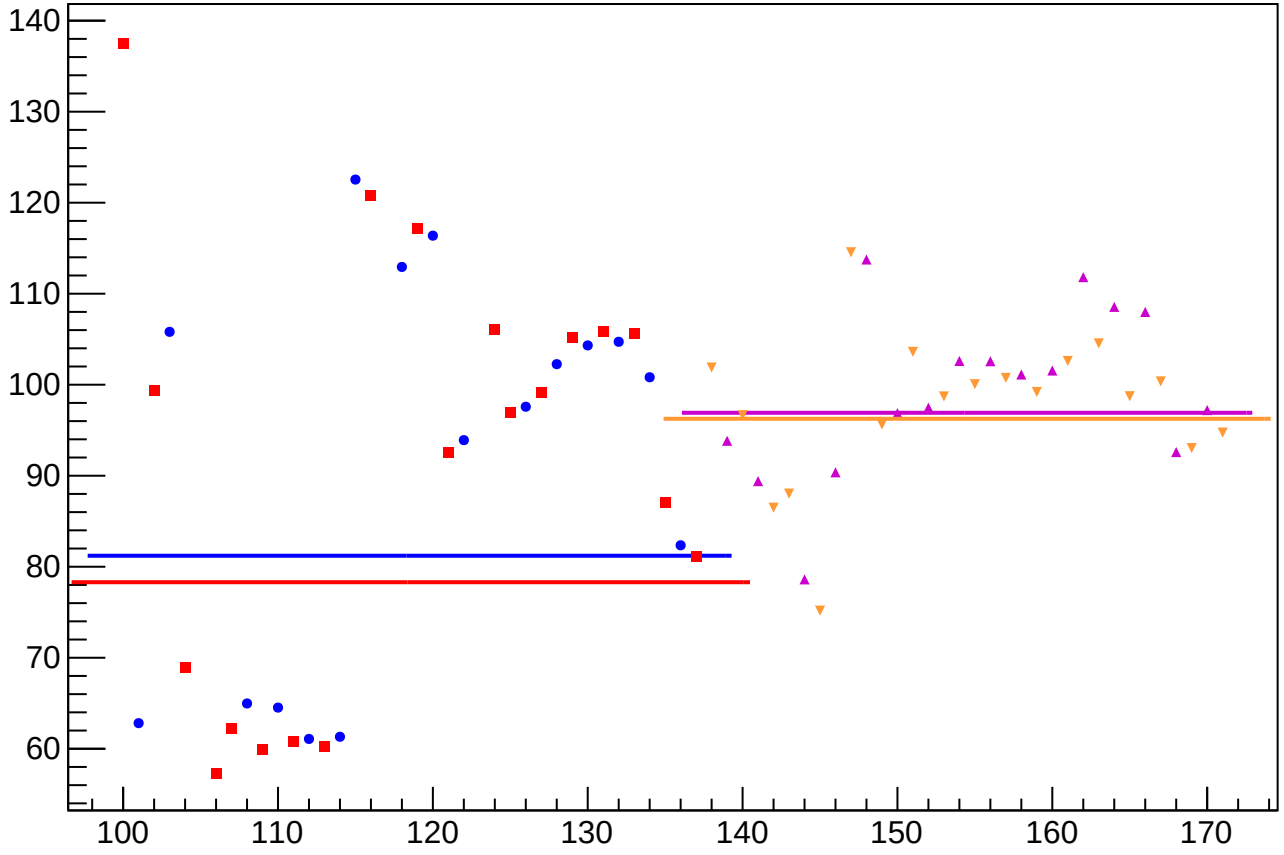
Left In: -40.269+/-26.842 χ^2/NDF:15.2/15

+ sign 6.611+/-19.825 χ^2/NDF: 34.5/33

All: -23.978+/-14.075 χ^2/NDF: 72.0/68

- sign -55.061+/-19.985 χ^2/NDF: 32.7/34

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

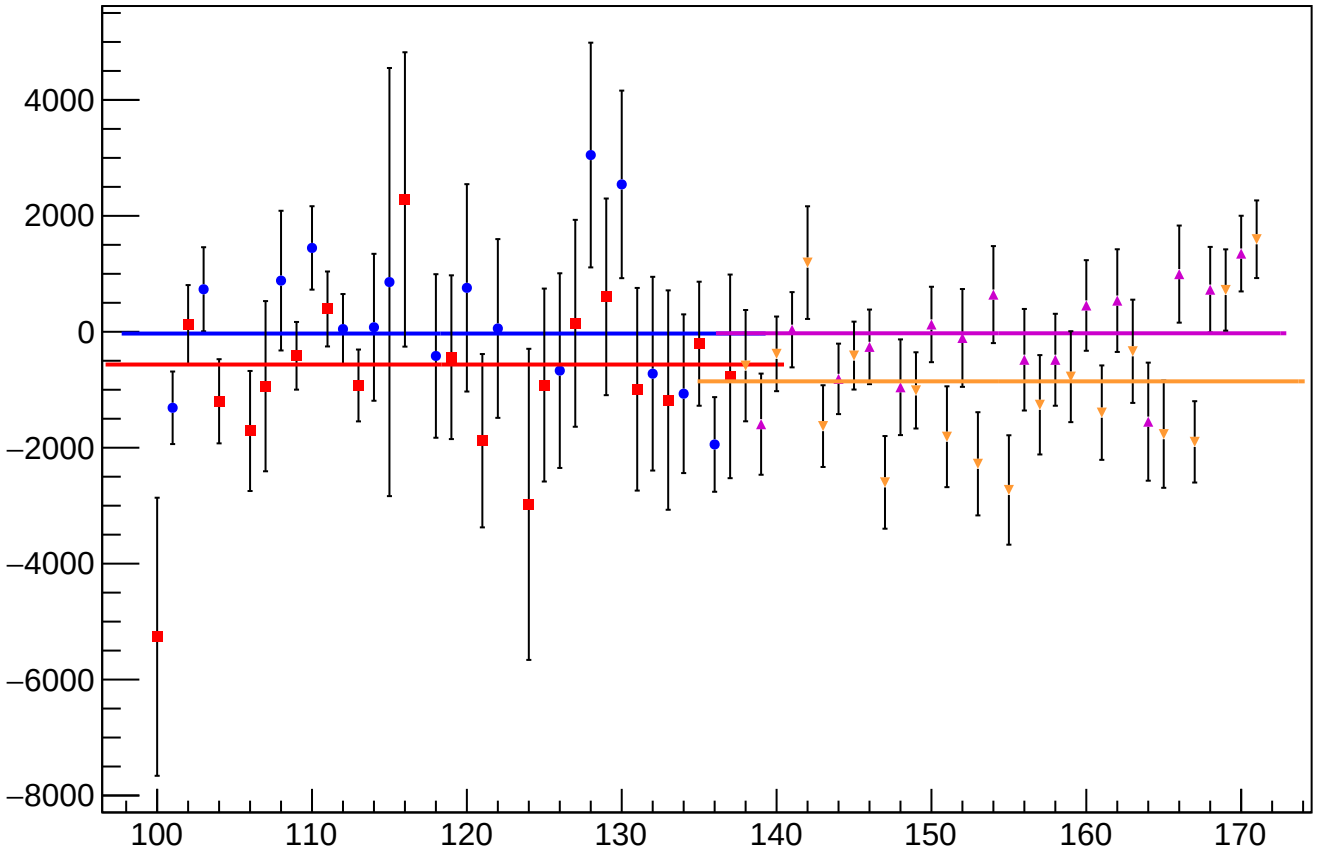
Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

+ sign 90.193+/-0.014 χ^2/NDF: 1303387.1/33

All: 89.412+/-0.010 χ^2/NDF: 2904535.1/68

- sign 88.618+/-0.014 χ^2/NDF: 1594884.1/34



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -854.957+/-181.722 χ^2/NDF:42.0/17

Right Out: -564.890+/-238.492 χ^2/NDF: 13.3/18

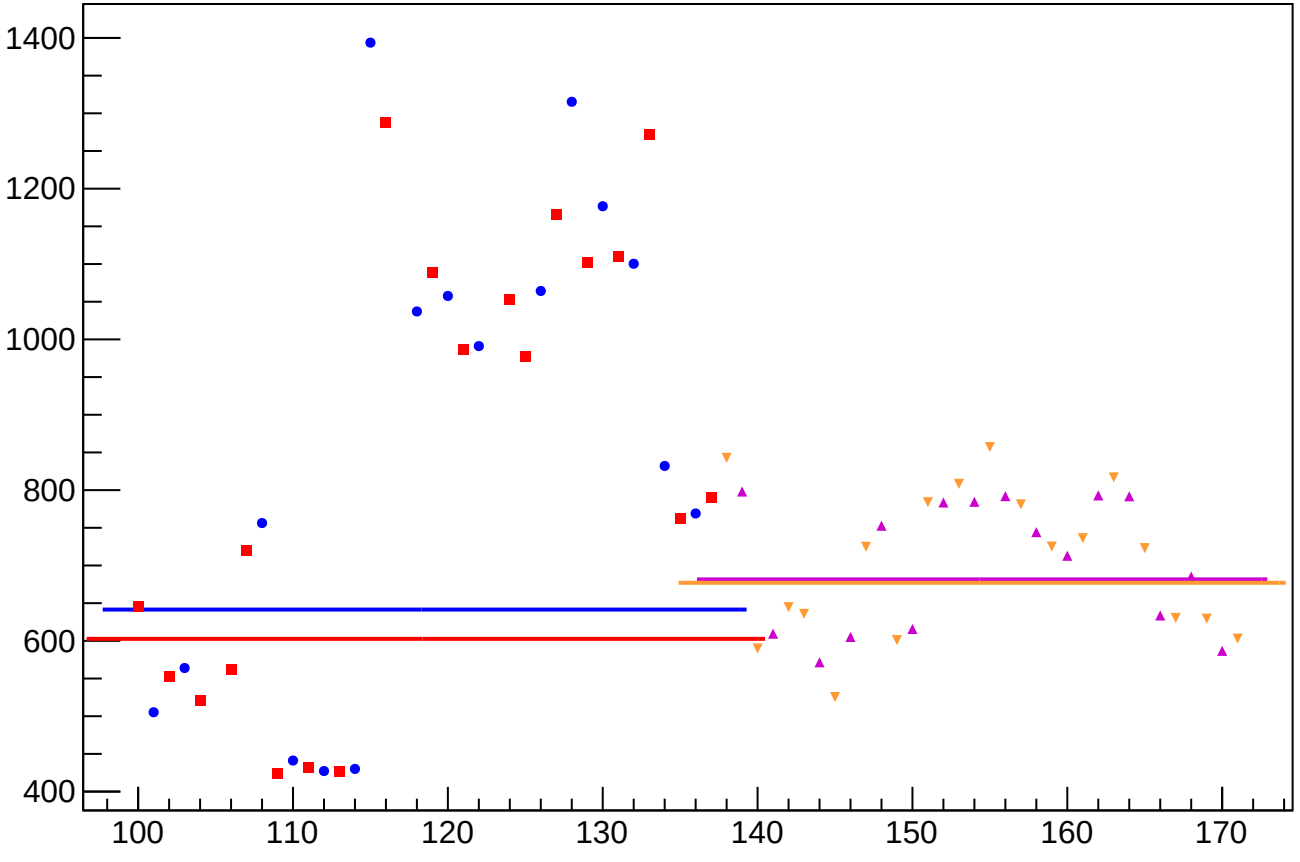
Left In: -25.783+/-189.496 χ^2/NDF:17.6/15

+ sign -580.114+/-148.377 χ^2/NDF: 70.7/33

All: -407.251+/-104.914 χ^2/NDF: 107.5/68

- sign -234.418+/-148.364 χ^2/NDF: 34.0/34

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 677.040+/-0.128 χ^2/NDF:564146.9/17

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

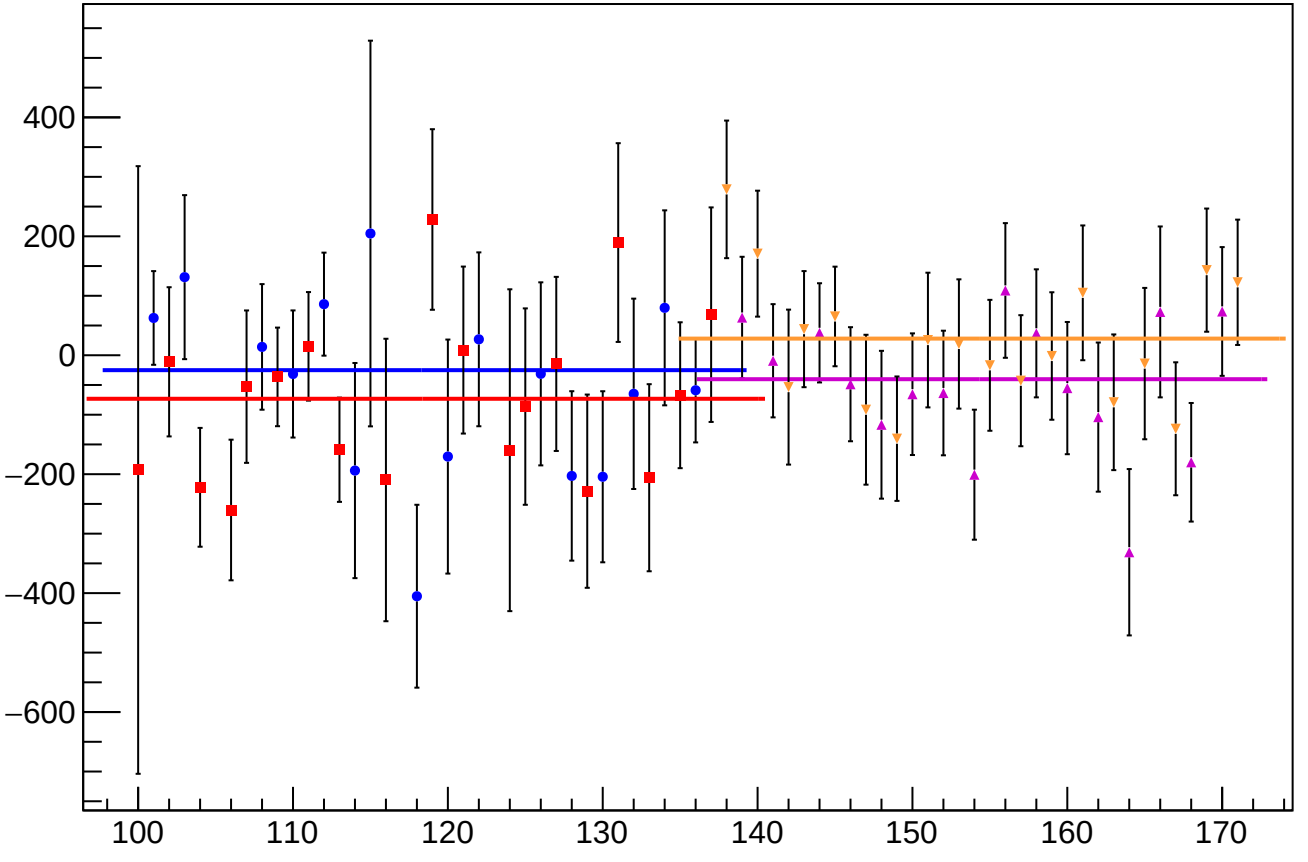
Left In: 681.515+/-0.134 χ^2/NDF:400259.7/15

+ sign 665.193+/-0.105 χ^2/NDF: 2464638.6/33

All: 658.094+/-0.074 χ^2/NDF: 5078414.8/68

- sign 650.996+/-0.105 χ^2/NDF: 2604620.0/34

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.000+/-25.658 χ^2/NDF:16.6/17

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

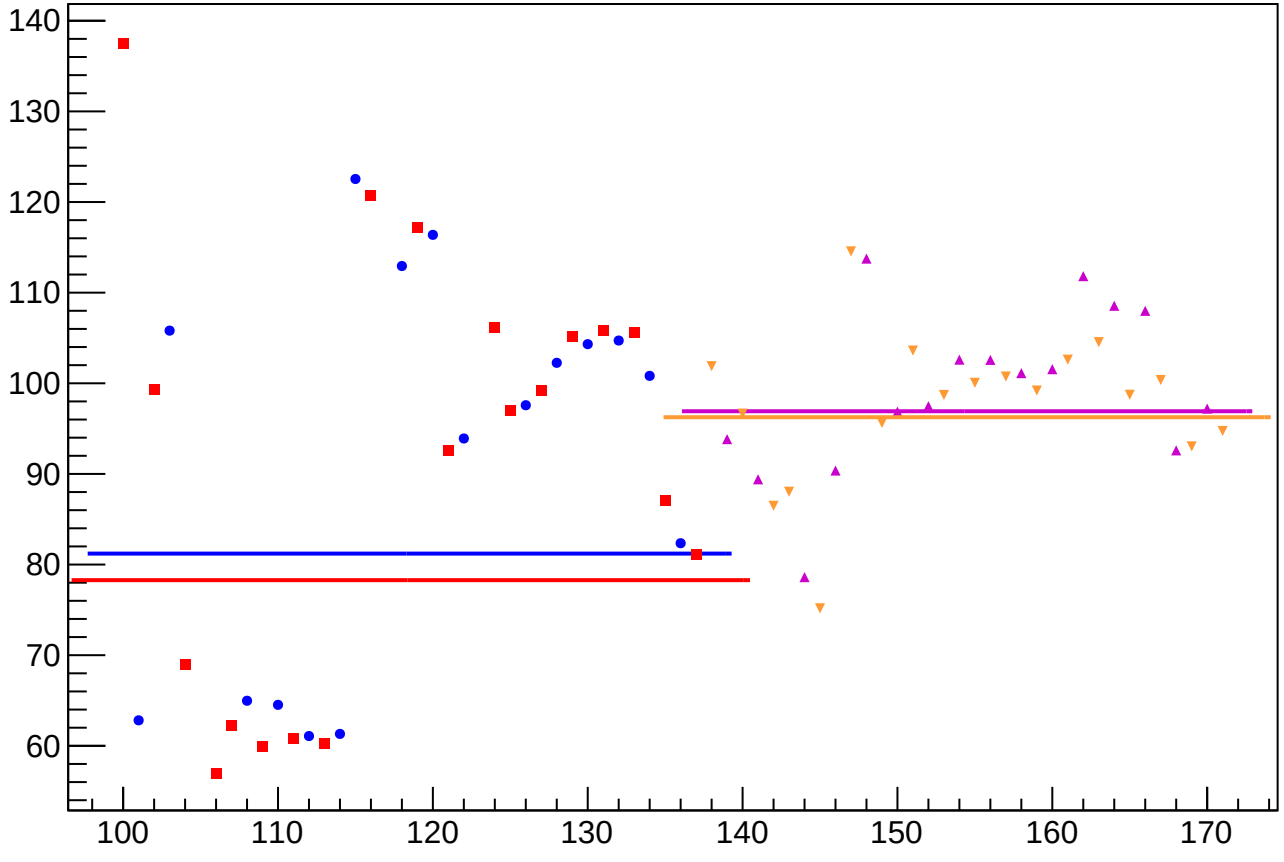
Left In: -40.267+/-26.842 χ^2/NDF:15.2/15

+ sign 6.611+/-19.825 χ^2/NDF: 34.5/33

All: -23.918+/-14.075 χ^2/NDF: 71.9/68

- sign -54.941+/-19.985 χ^2/NDF: 32.6/34

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

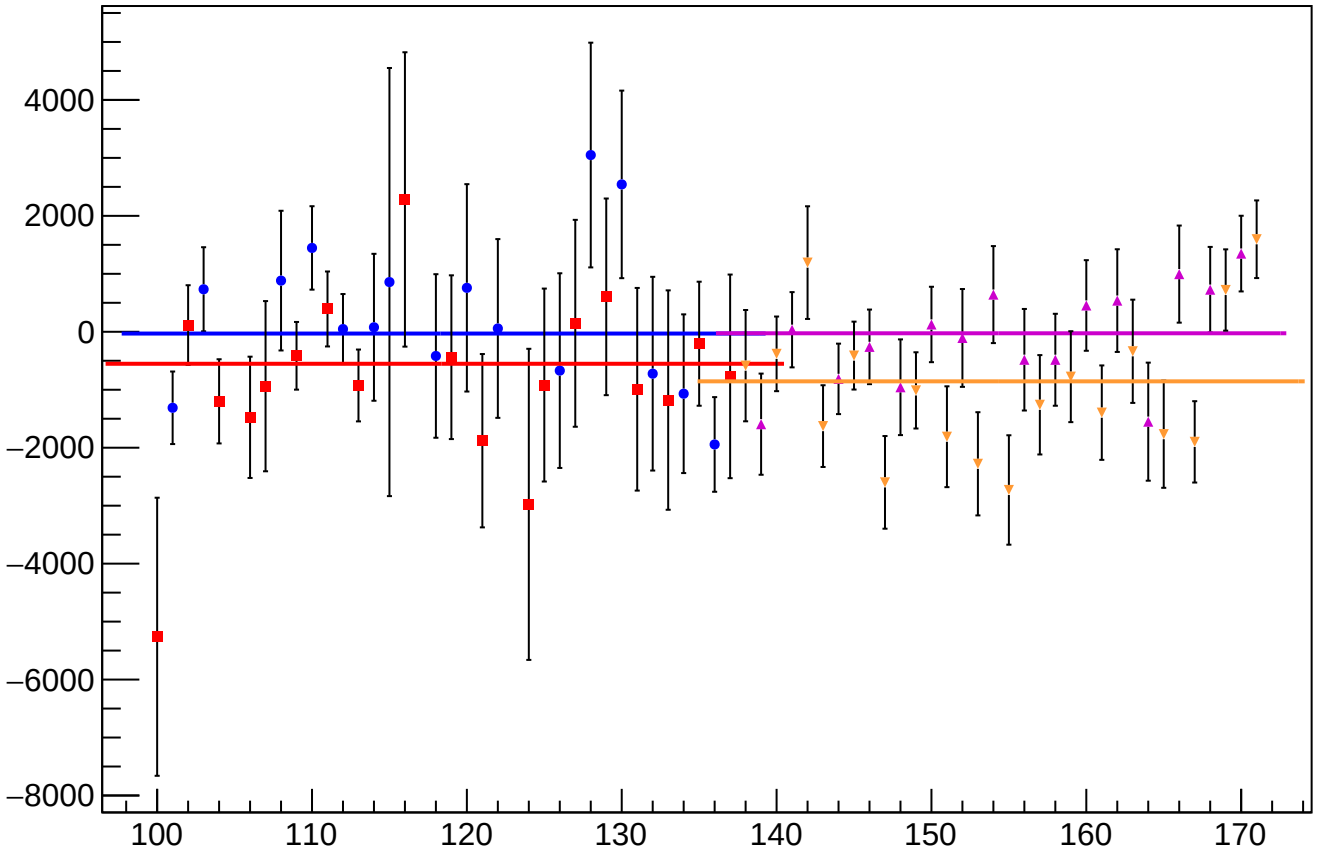
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

+ sign 90.193+/-0.014 χ^2/NDF: 1303388.8/33

All: 89.408+/-0.010 χ^2/NDF: 2907566.8/68

- sign 88.610+/-0.014 χ^2/NDF: 1597852.6/34



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -854.953+/-181.722 χ^2/NDF:42.0/17

Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

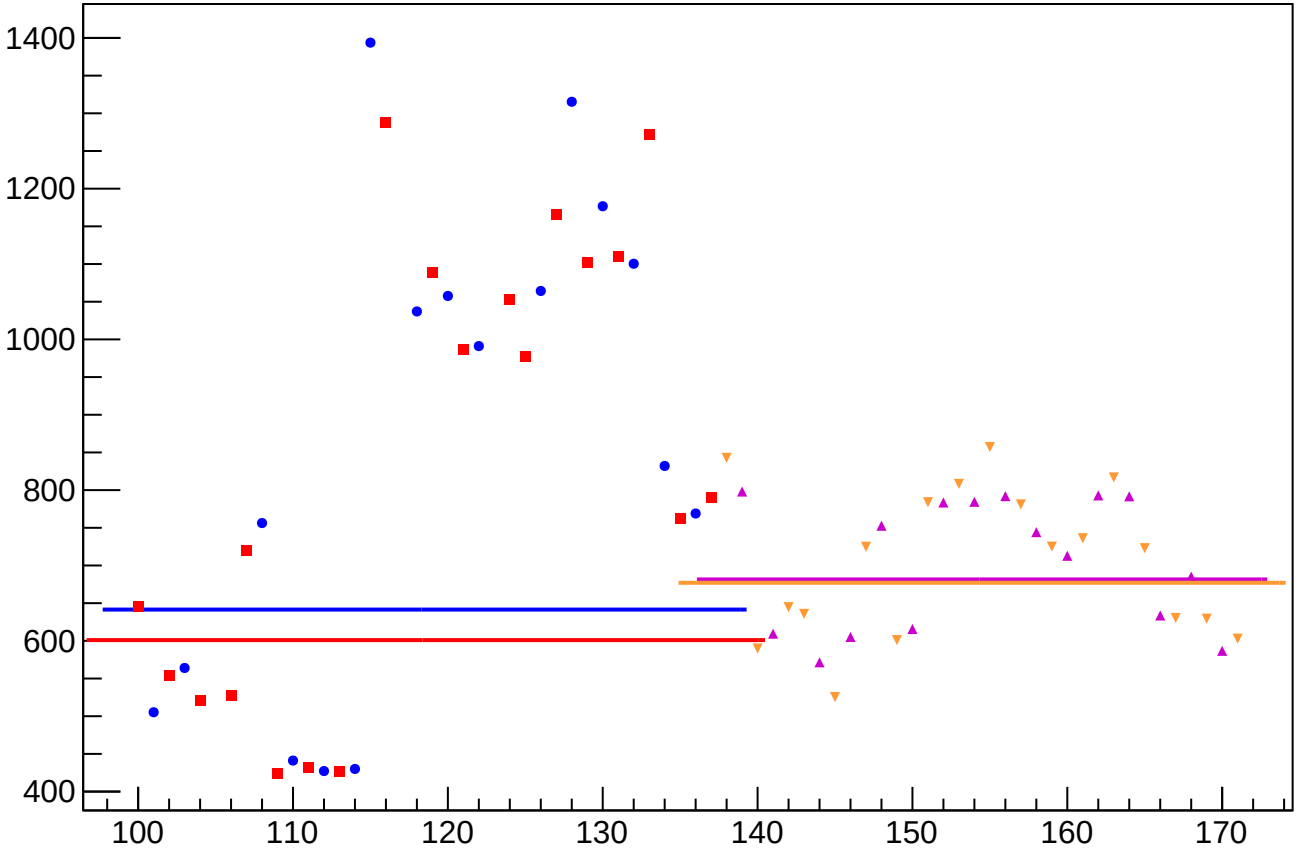
Left In: -25.787+/-189.496 χ^2/NDF:17.6/15

+ sign -580.125+/-148.377 χ^2/NDF: 70.7/33

All: -404.717+/-104.927 χ^2/NDF: 106.9/68

- sign -229.257+/-148.400 χ^2/NDF: 33.4/34

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.040+/-0.128 χ^2/NDF:564148.3/17

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

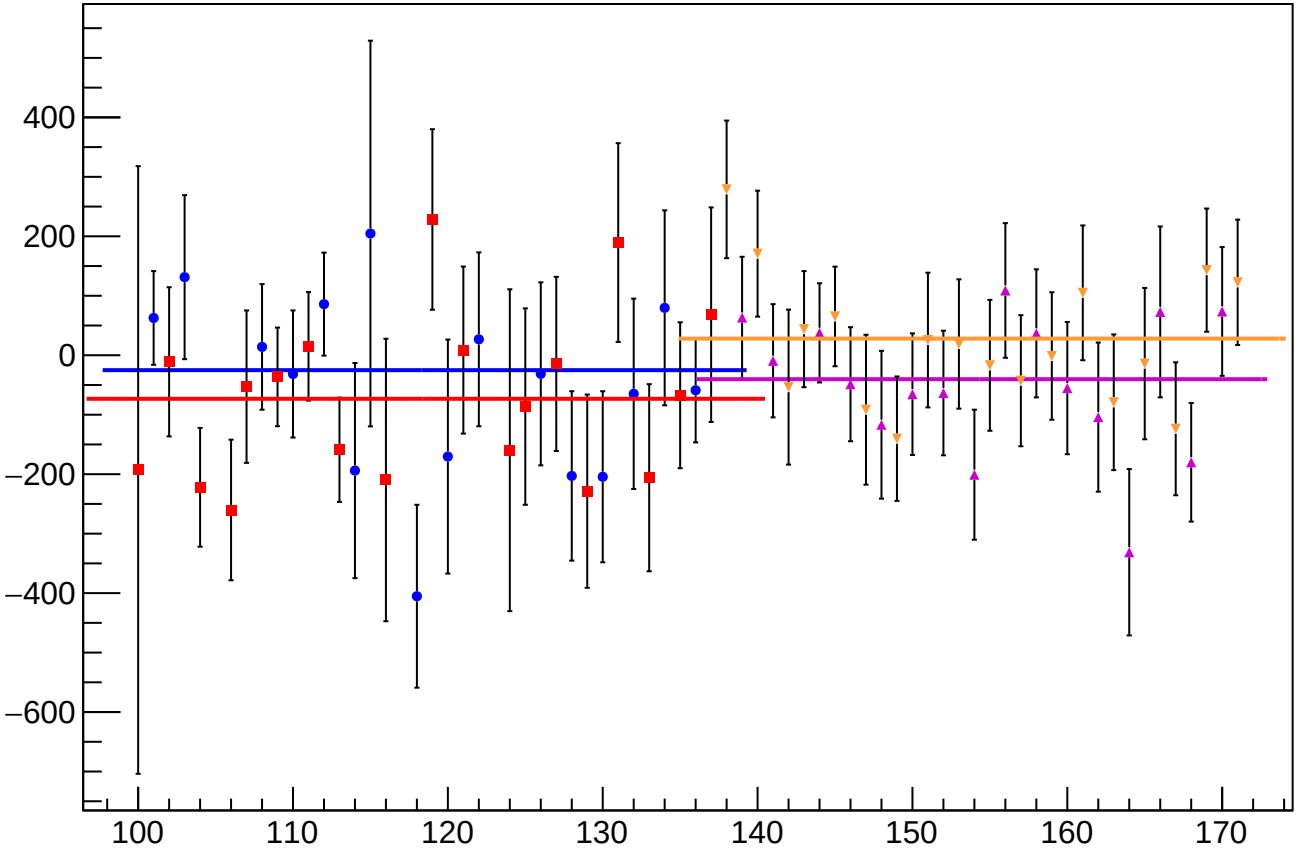
Left In: 681.515+/-0.134 χ^2/NDF:400258.6/15

+ sign 665.196+/-0.105 χ^2/NDF: 2464585.8/33

All: 657.784+/-0.074 χ^2/NDF: 5091772.6/68

- sign 650.370+/-0.105 χ^2/NDF: 2617204.0/34

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.000+/-25.658 χ^2/NDF:16.6/17

Right Out: -73.193+/-29.937 χ^2/NDF: 16.7/18

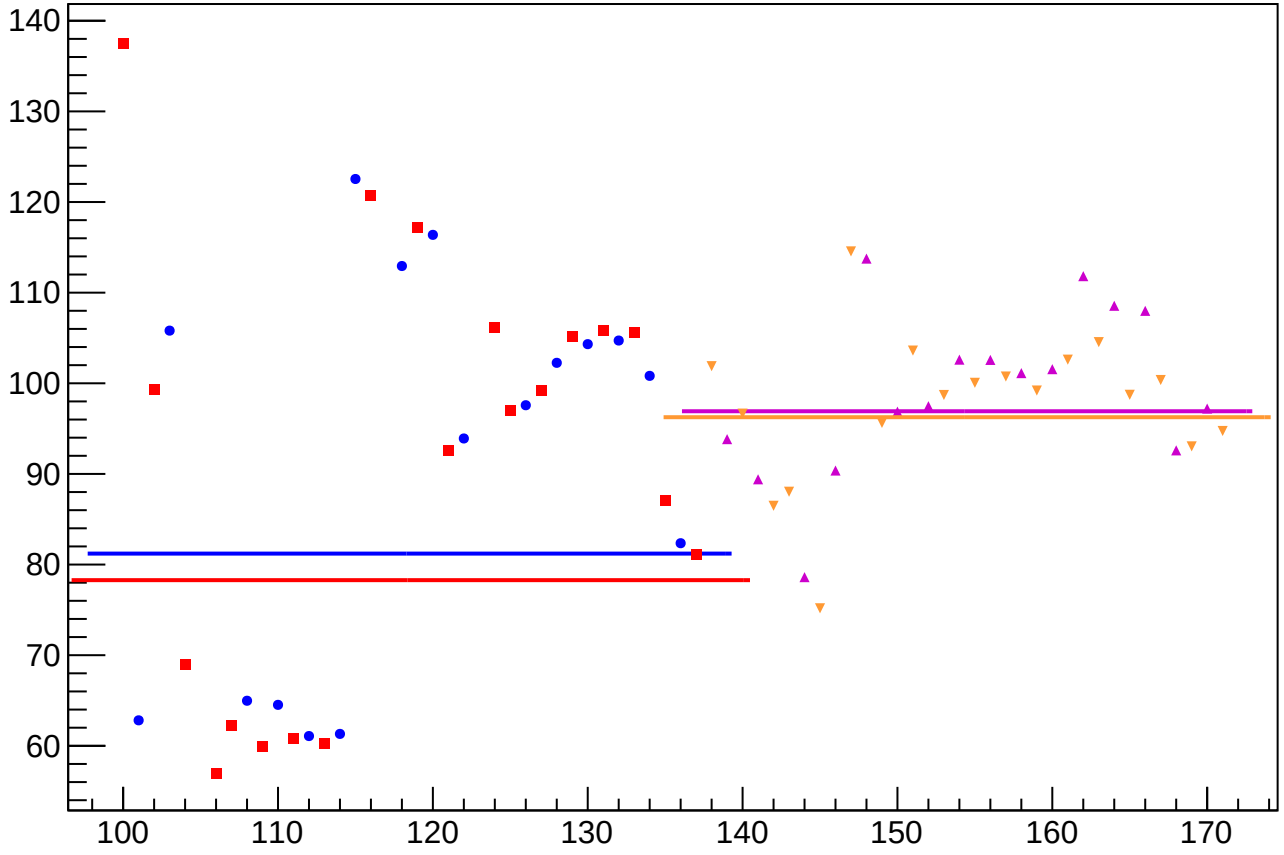
Left In: -40.267+/-26.842 χ^2/NDF:15.2/15

+ sign 6.611+/-19.825 χ^2/NDF: 34.5/33

All: -23.918+/-14.075 χ^2/NDF: 71.9/68

- sign -54.941+/-19.985 χ^2/NDF: 32.6/34

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

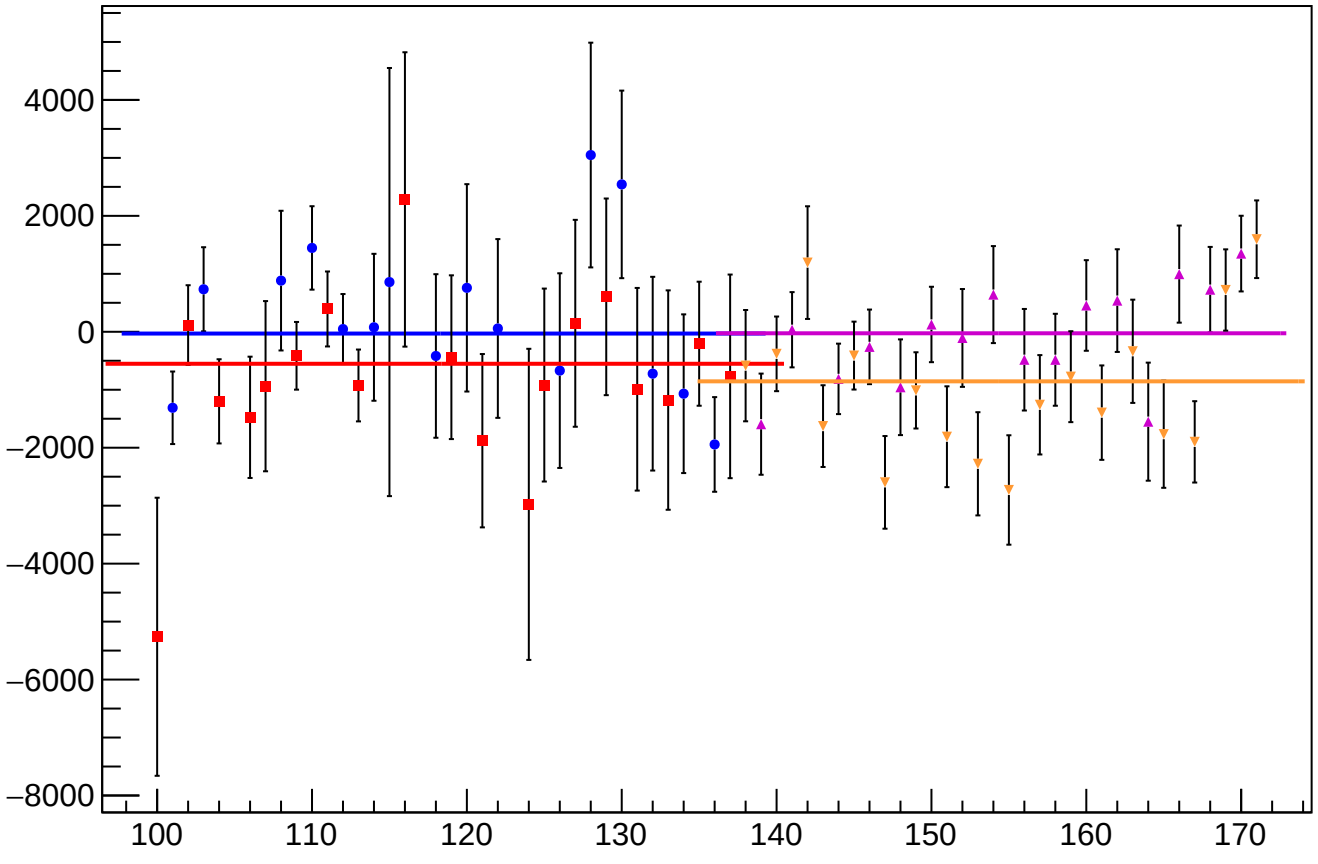
Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.916+/-0.019 χ^2/NDF:231377.3/15

+ sign 90.193+/-0.014 χ^2/NDF: 1303388.8/33

All: 89.408+/-0.010 χ^2/NDF: 2907566.8/68

- sign 88.610+/-0.014 χ^2/NDF: 1597852.6/34



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -854.953+/-181.722 χ^2/NDF:42.0/17

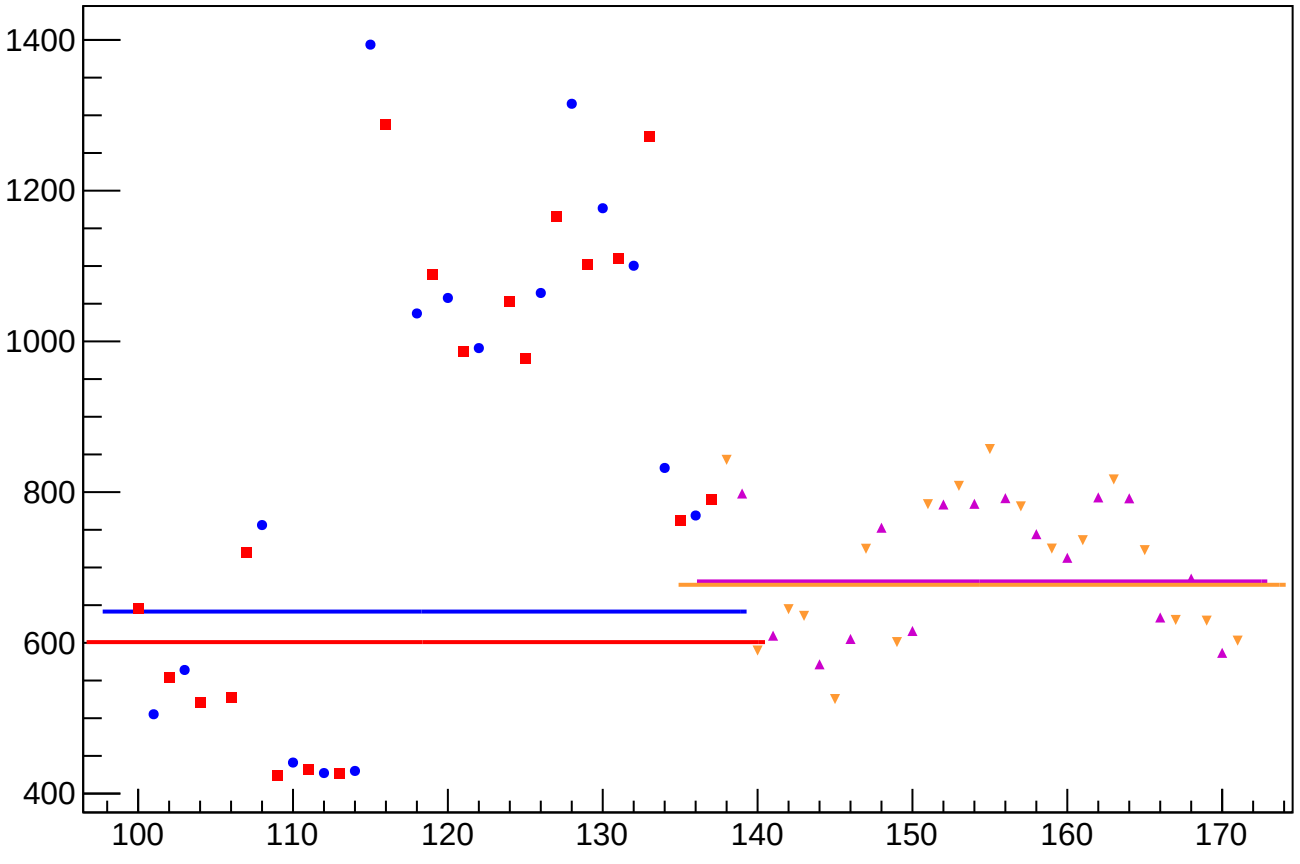
Right Out: -551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: -25.787+/-189.496 χ^2/NDF:17.6/15

+ sign -580.125+/-148.377 χ^2/NDF: 70.7/33

All: -404.717+/-104.927 χ^2/NDF: 106.9/68

- sign -229.257+/-148.400 χ^2/NDF: 33.4/34



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.040+/-0.128 χ^2/NDF:564148.3/17

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

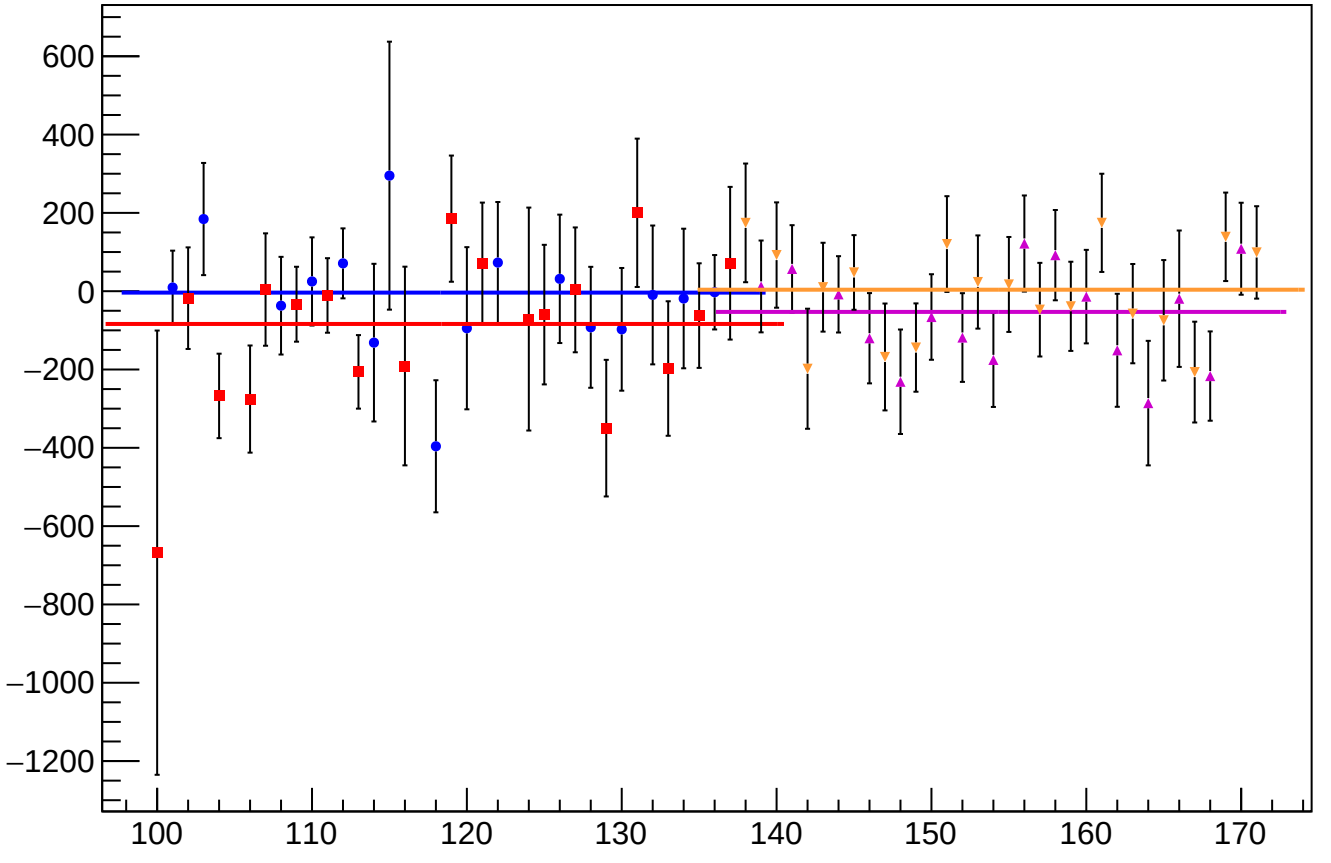
Left In: 681.515+/-0.134 χ^2/NDF:400258.6/15

+ sign 665.196+/-0.105 χ^2/NDF: 2464585.8/33

All: 657.784+/-0.074 χ^2/NDF: 5091772.6/68

- sign 650.370+/-0.105 χ^2/NDF: 2617204.0/34

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.788+/-28.958 χ^2/NDF:15.3/17

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

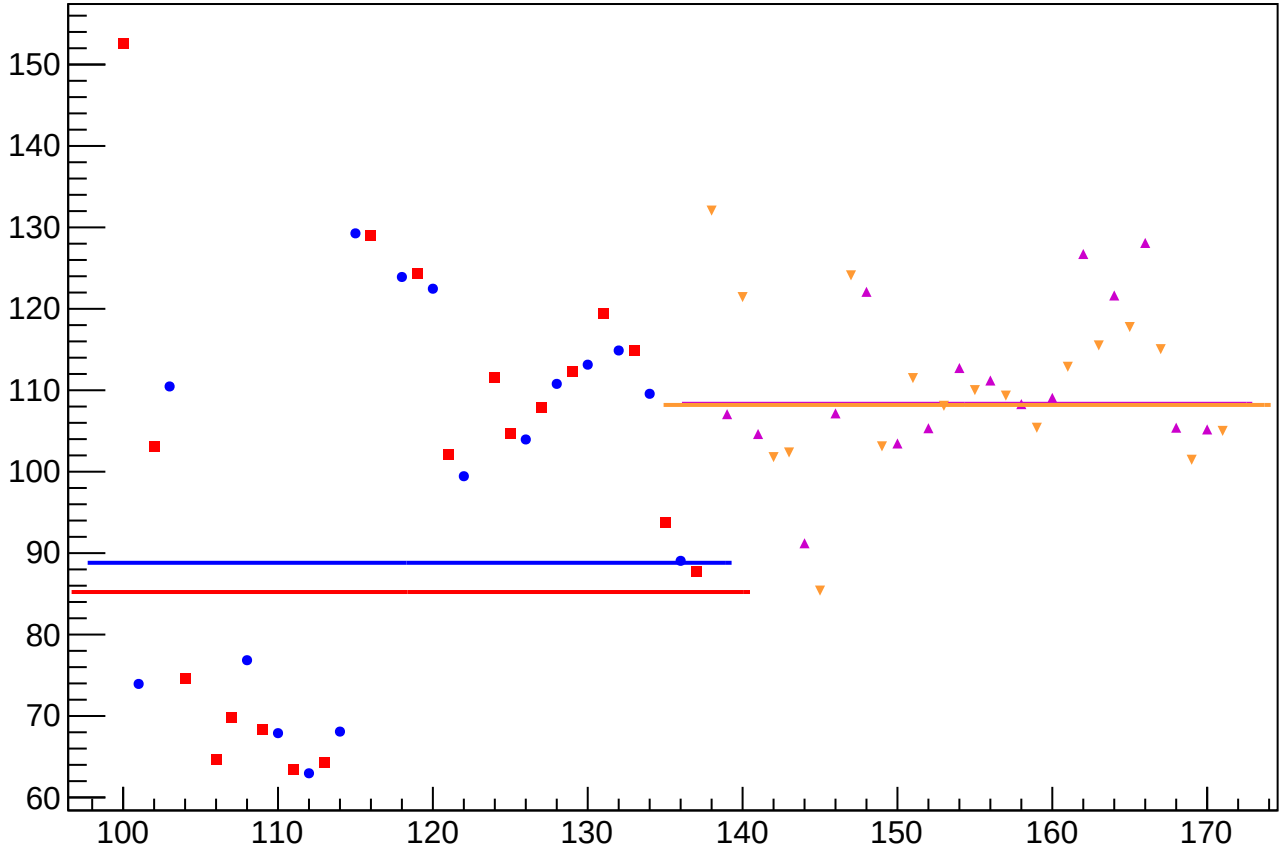
Left In: -52.890+/-30.122 χ^2/NDF:15.3/15

+ sign 0.683+/-22.087 χ^2/NDF: 25.7/33

All: -33.113+/-15.634 χ^2/NDF: 65.2/68

- sign -67.053+/-22.134 χ^2/NDF: 34.9/34

dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.199+/-0.020 χ^2/NDF:258221.8/17

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

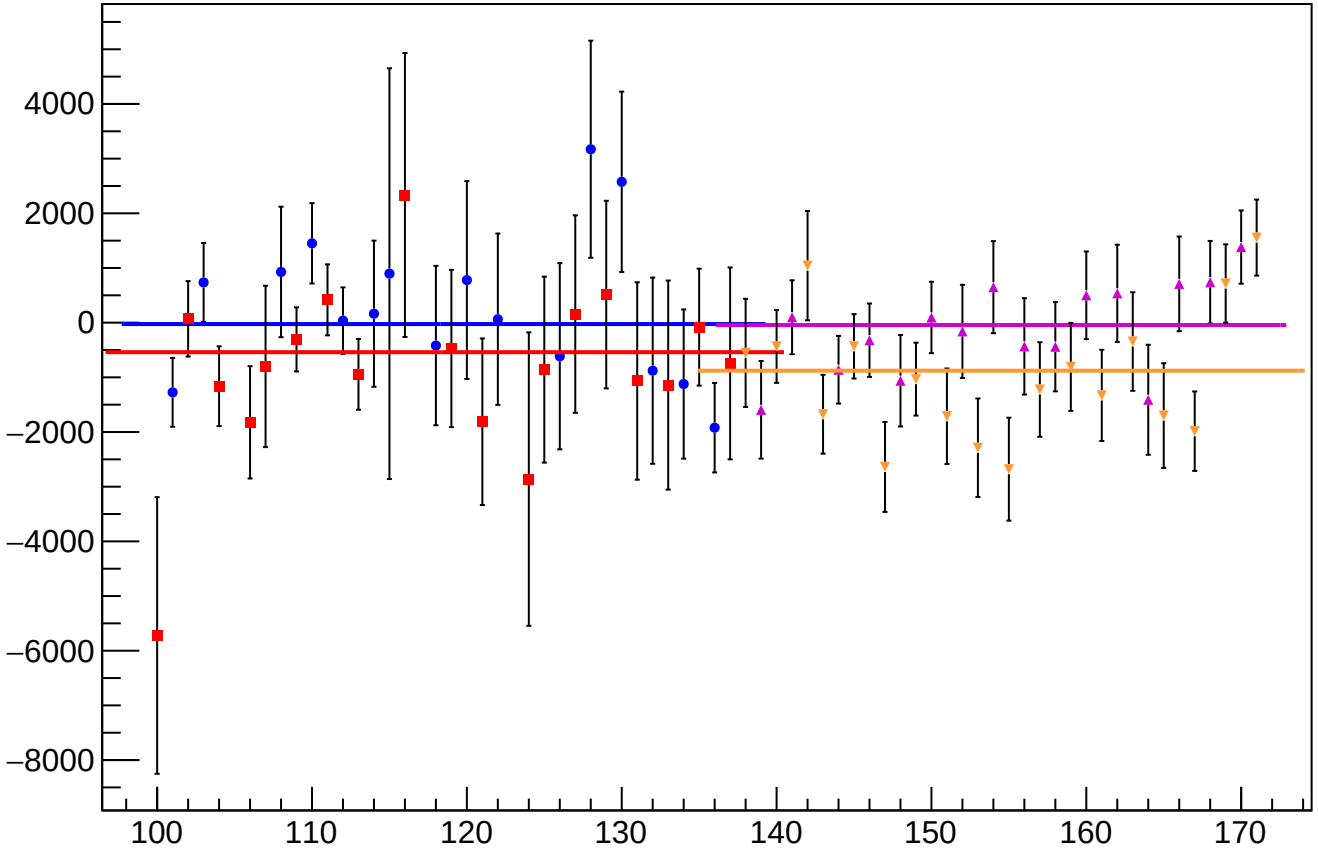
Left In: 108.339+/-0.021 χ^2/NDF:169826.9/15

+ sign 100.091+/-0.016 χ^2/NDF: 1357692.5/33

All: 98.900+/-0.011 χ^2/NDF: 2965018.2/68

- sign 97.705+/-0.016 χ^2/NDF: 1595682.7/34

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -877.954+/-185.538 χ^2/NDF:38.8/17

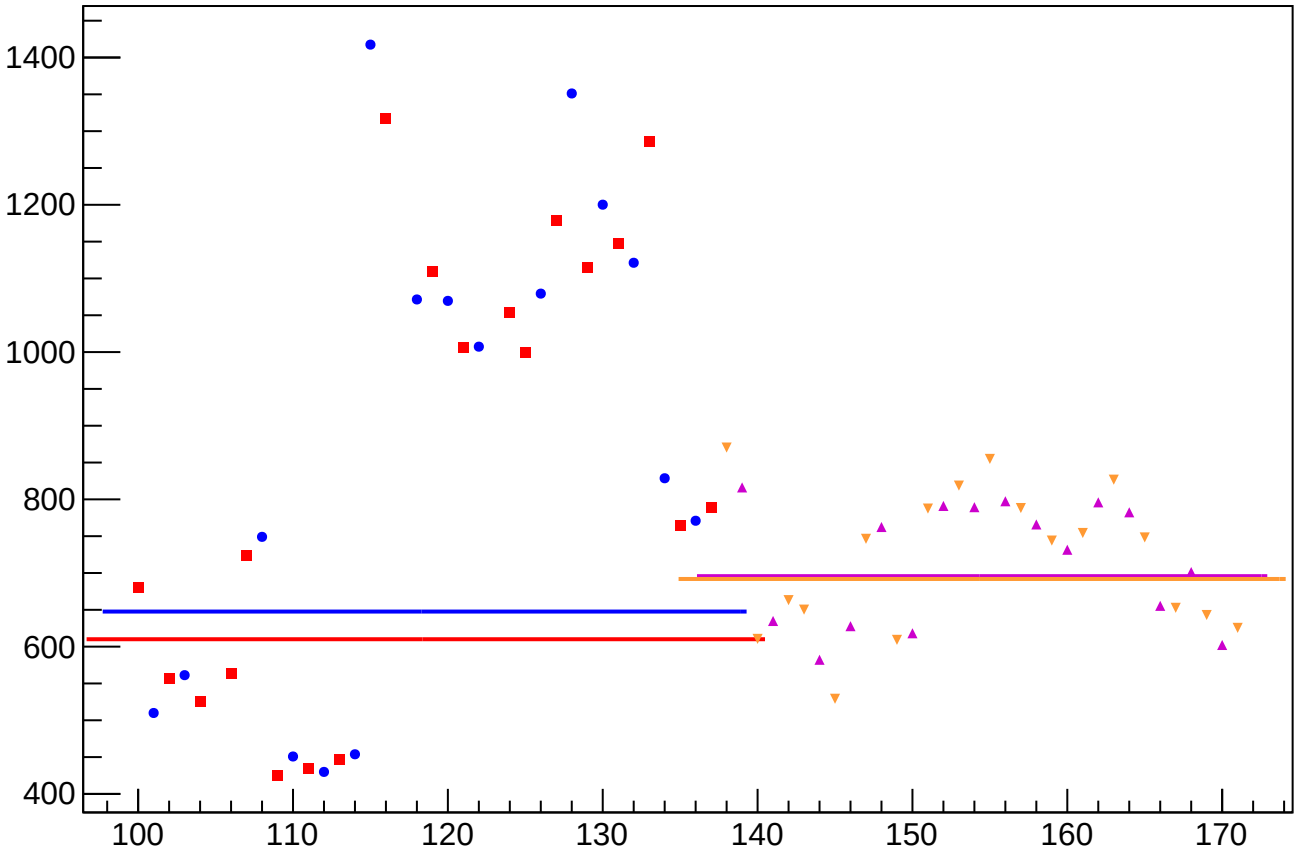
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -43.821+/-193.301 χ^2/NDF:16.7/15

+ sign -589.538+/-150.909 χ^2/NDF: 67.5/33

All: -413.542+/-106.687 χ^2/NDF: 103.1/68

- sign -237.689+/-150.848 χ^2/NDF: 32.9/34



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.892+/-0.131 χ^2/NDF:548717.8/17

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

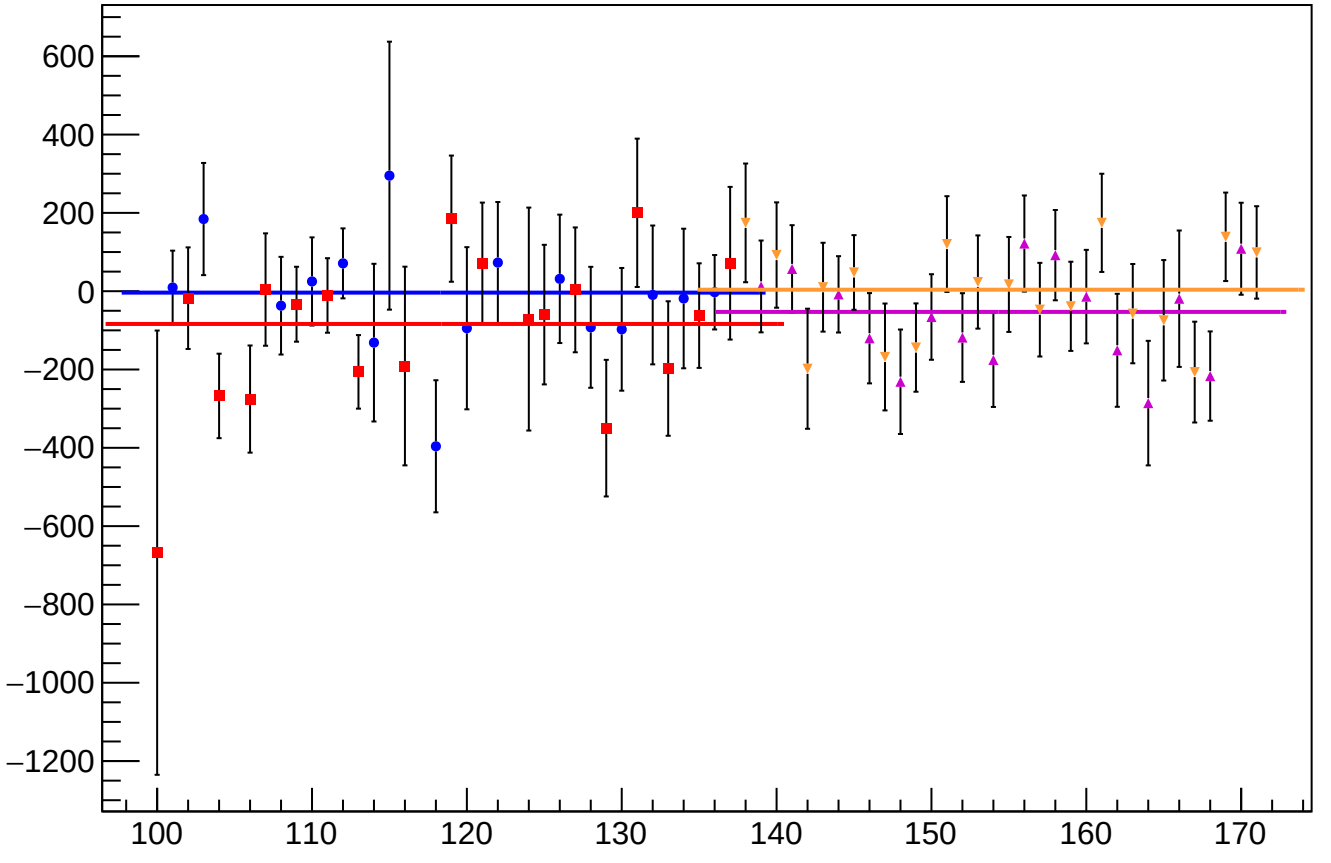
Left In: 695.715+/-0.137 χ^2/NDF:360452.2/15

+ sign 676.915+/-0.107 χ^2/NDF: 2475038.0/33

All: 669.567+/-0.075 χ^2/NDF: 5072770.9/68

- sign 662.224+/-0.107 χ^2/NDF: 2588250.9/34

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.790+/-28.958 χ^2/NDF:15.3/17

Right Out: -83.676+/-32.633 χ^2/NDF: 19.1/18

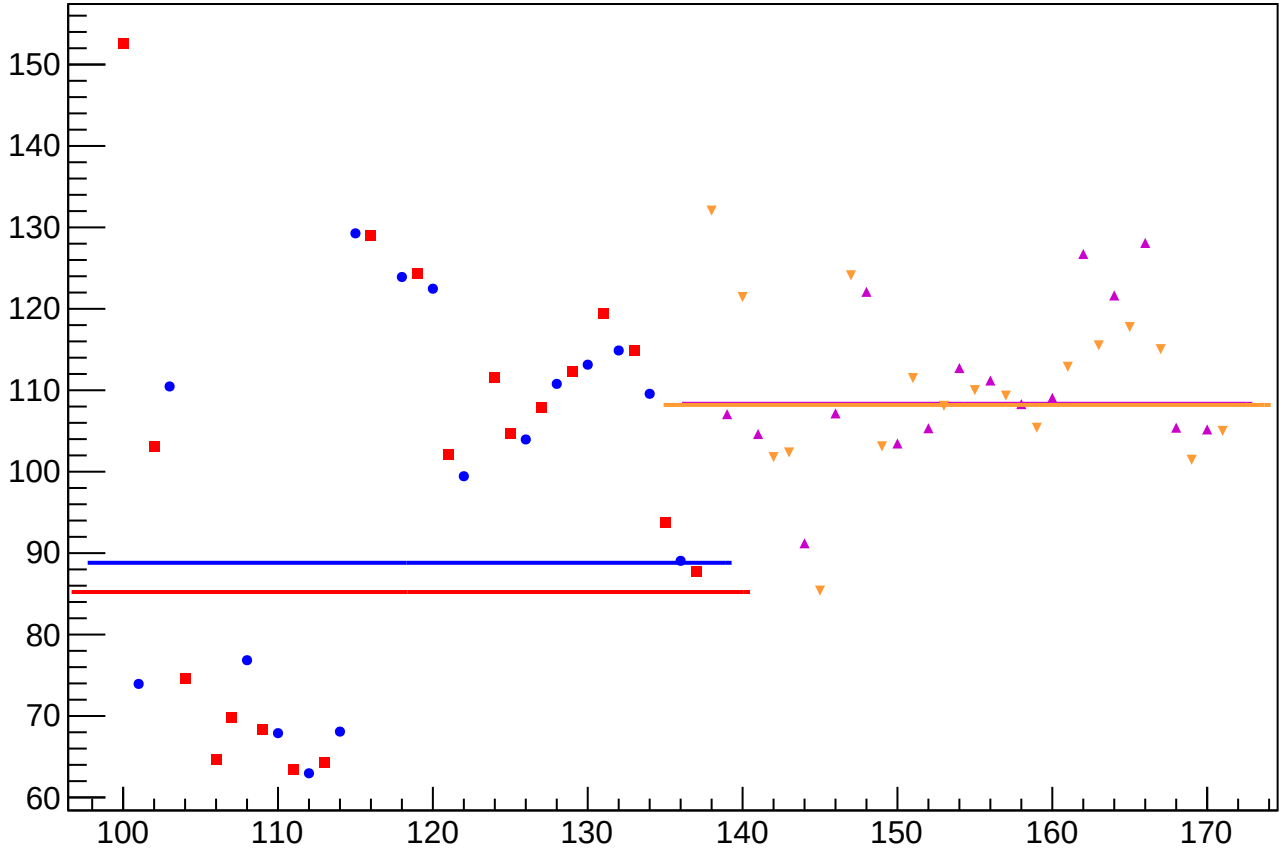
Left In: -52.890+/-30.122 χ^2/NDF:15.3/15

+ sign 0.685+/-22.087 χ^2/NDF: 25.7/33

All: -33.113+/-15.634 χ^2/NDF: 65.2/68

- sign -67.053+/-22.134 χ^2/NDF: 34.9/34

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.199+/-0.020 χ^2/NDF:258220.2/17

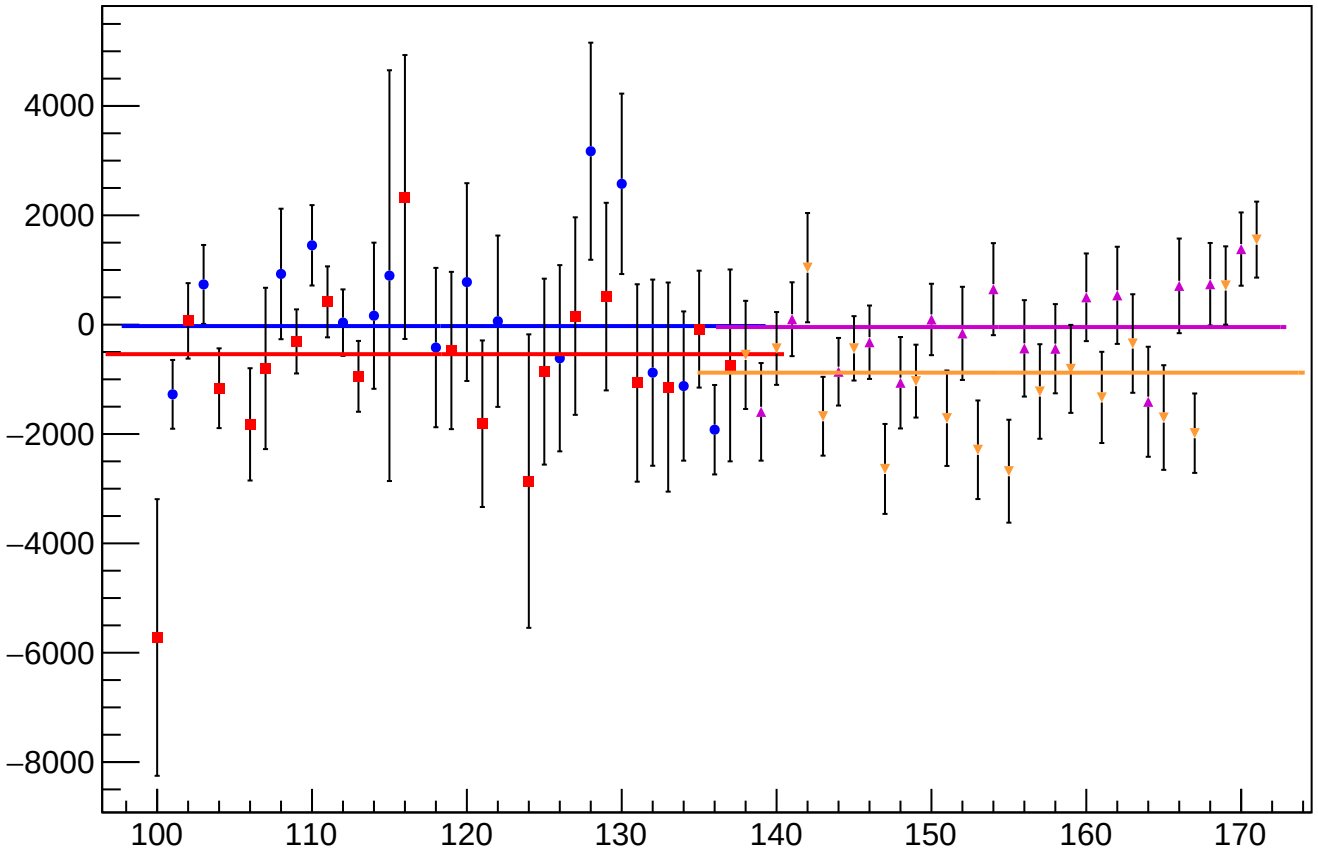
Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.339+/-0.021 χ^2/NDF:169825.2/15

+ sign 100.091+/-0.016 χ^2/NDF: 1357697.4/33

All: 98.900+/-0.011 χ^2/NDF: 2965032.3/68

- sign 97.705+/-0.016 χ^2/NDF: 1595691.8/34



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -877.952+/-185.537 χ^2/NDF:38.8/17

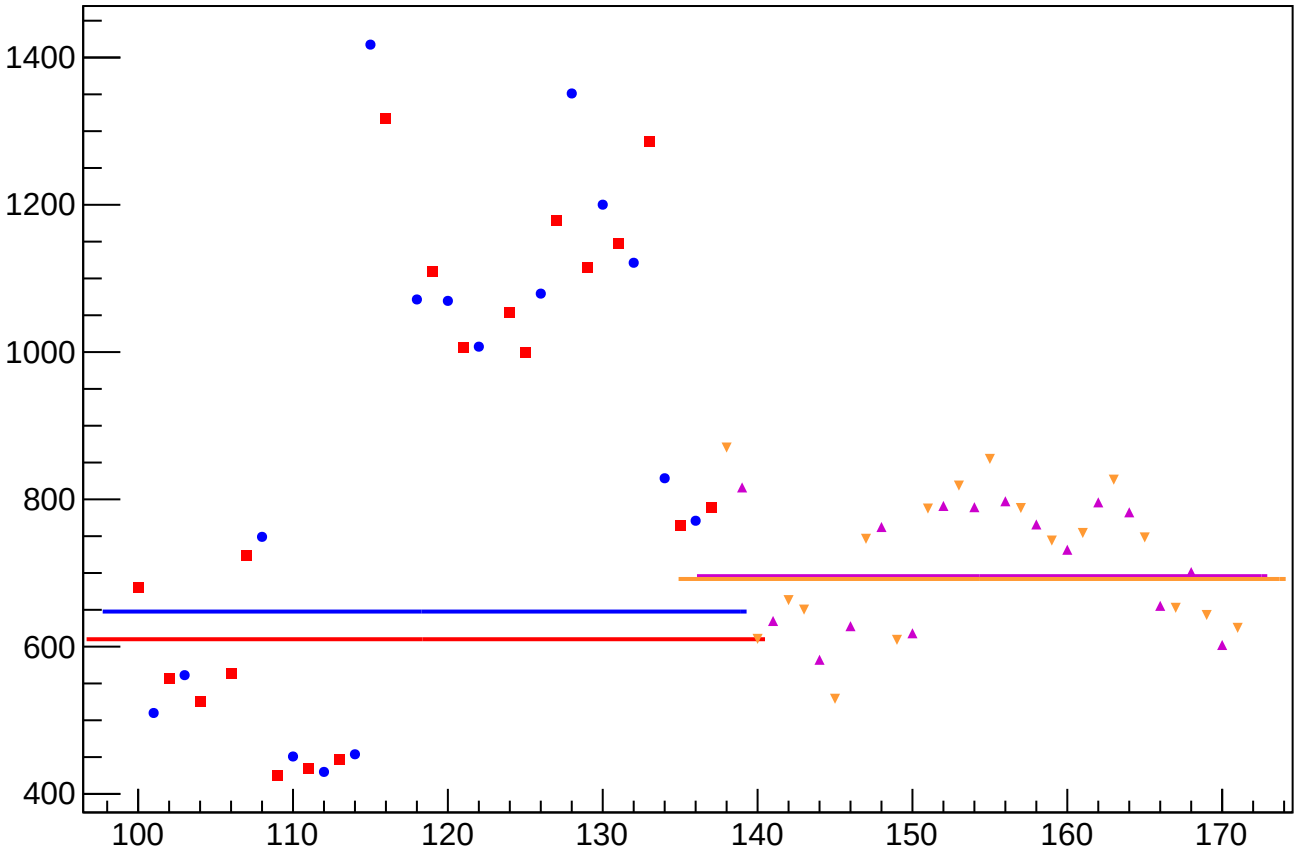
Right Out: -539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: -43.821+/-193.301 χ^2/NDF:16.7/15

+ sign -589.537+/-150.909 χ^2/NDF: 67.5/33

All: -413.541+/-106.687 χ^2/NDF: 103.1/68

- sign -237.688+/-150.848 χ^2/NDF: 32.9/34



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 691.892+/-0.131 χ^2/NDF:548719.4/17

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

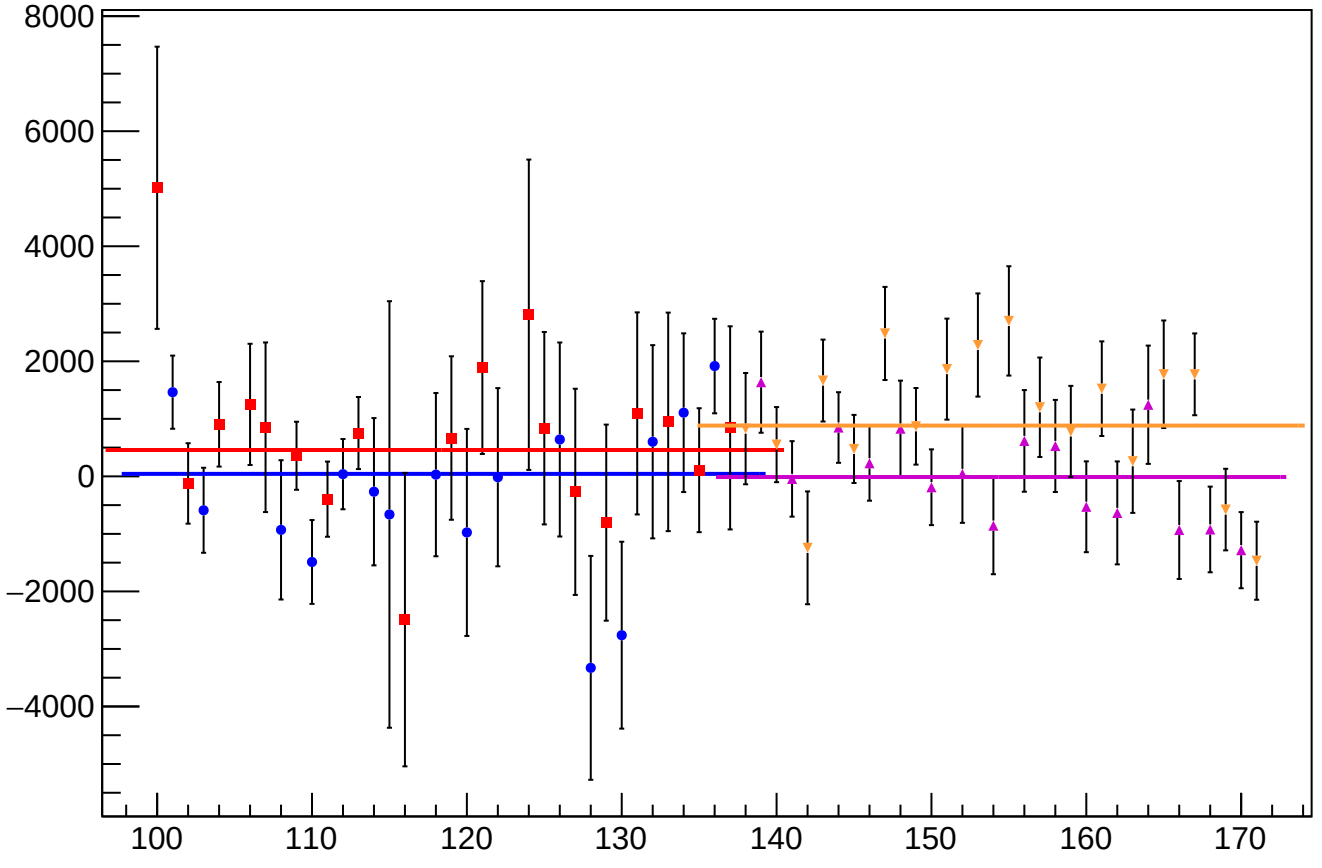
Left In: 695.715+/-0.137 χ^2/NDF:360450.6/15

+ sign 676.915+/-0.107 χ^2/NDF: 2475044.7/33

All: 669.566+/-0.075 χ^2/NDF: 5072779.7/68

- sign 662.223+/-0.107 χ^2/NDF: 2588252.8/34

asym_sam_1548_avg_mean vs Slug



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 882.798+/-183.639 χ^2/NDF:37.9/17

Right Out: 458.111+/-241.118 χ^2/NDF: 11.3/18

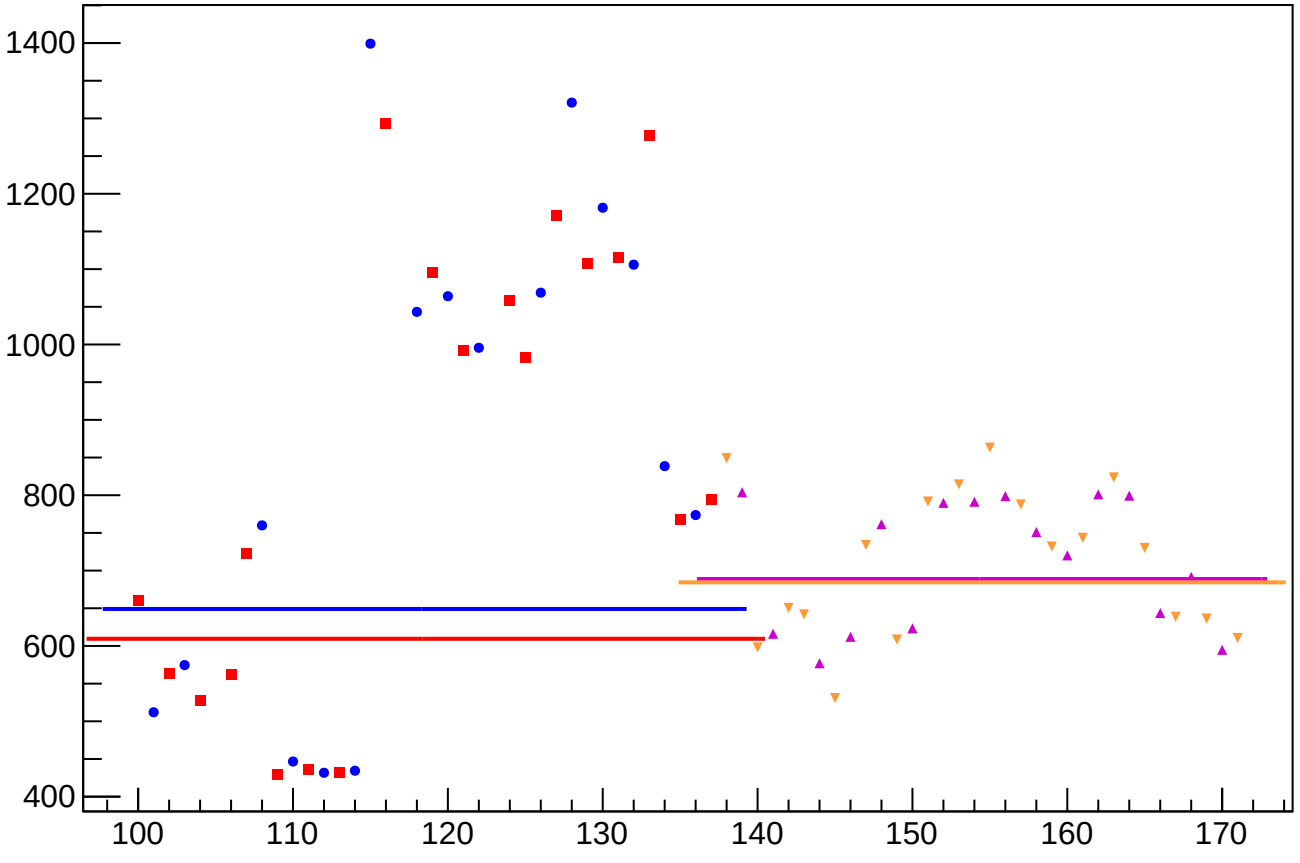
Left In: -11.529+/-191.499 χ^2/NDF:17.4/15

+ sign 603.046+/-149.958 χ^2/NDF: 68.0/33

All: 386.585+/-106.036 χ^2/NDF: 103.2/68

- sign 170.126+/-149.958 χ^2/NDF: 31.0/34

asym_sam_1548_avg_rms vs Slug



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 684.366+/-0.130 χ^2/NDF:553551.1/17

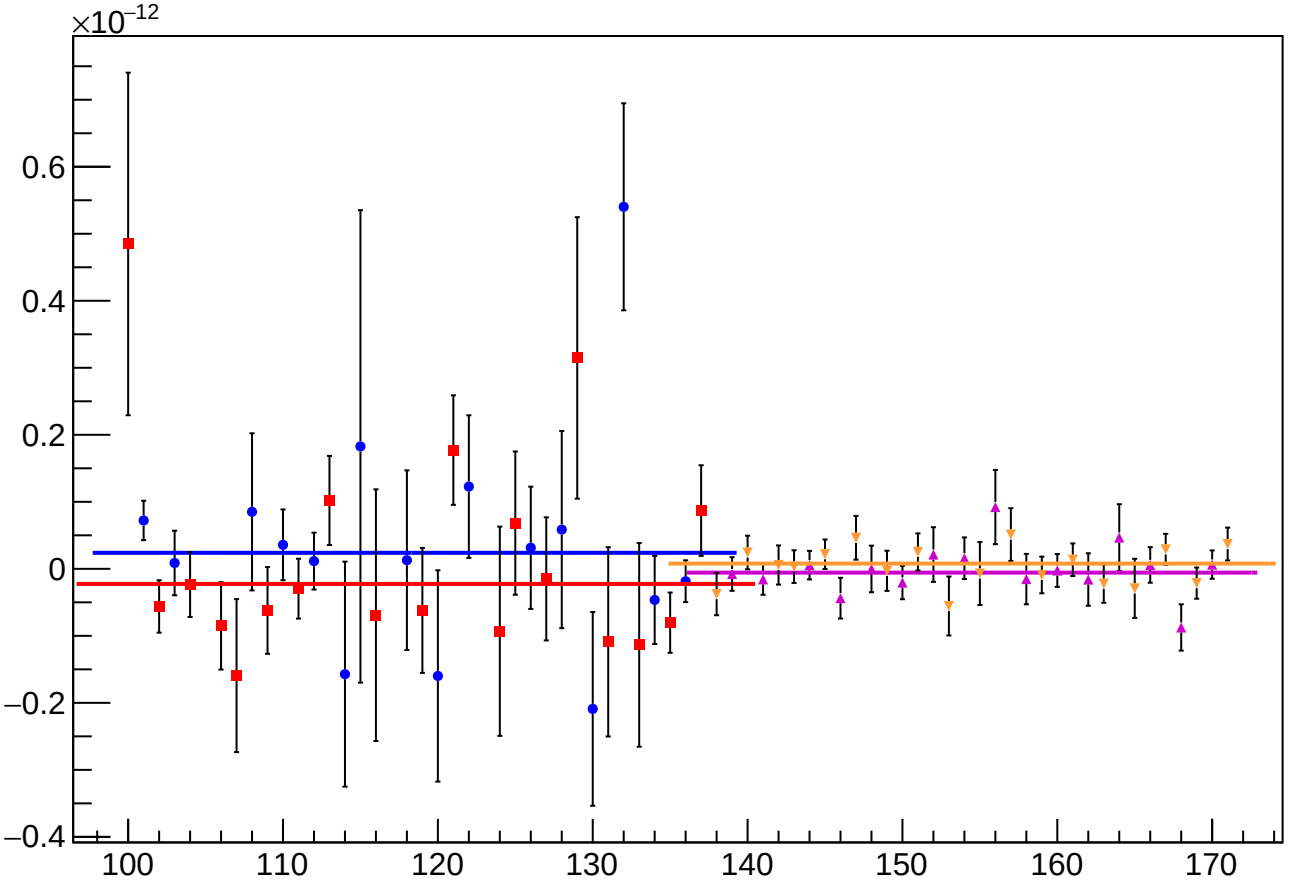
Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 688.865+/-0.135 χ^2/NDF:392527.4/15

+ sign 672.613+/-0.106 χ^2/NDF: 2423954.0/33

All: 665.393+/-0.075 χ^2/NDF: 5002162.1/68

- sign 658.173+/-0.106 χ^2/NDF: 2568936.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/18

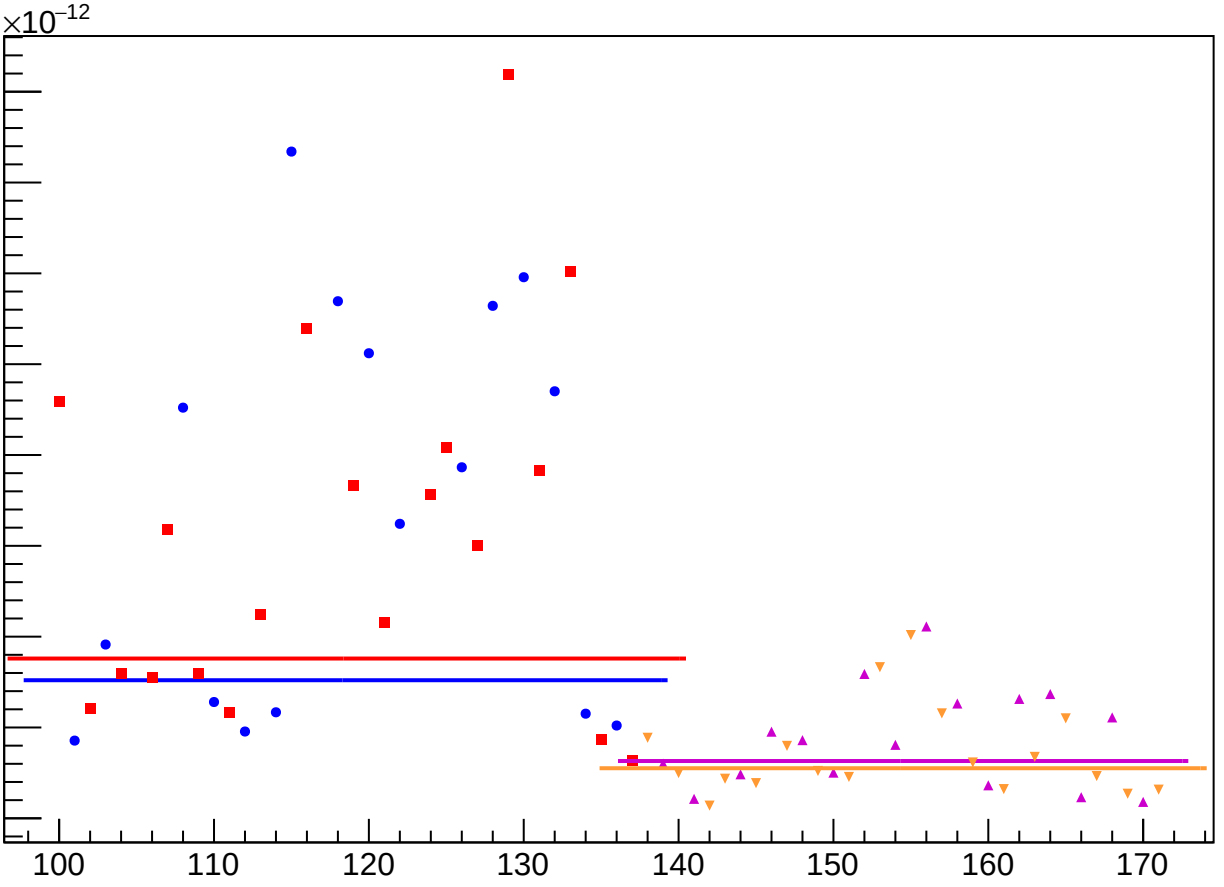
Left In: -0.000+/-0.000 χ^2/NDF:13.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 38.9/33

All: 0.000+/-0.000 χ^2/NDF: 83.7/68

- sign -0.000+/-0.000 χ^2/NDF: 40.4/34

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:567014.0/17

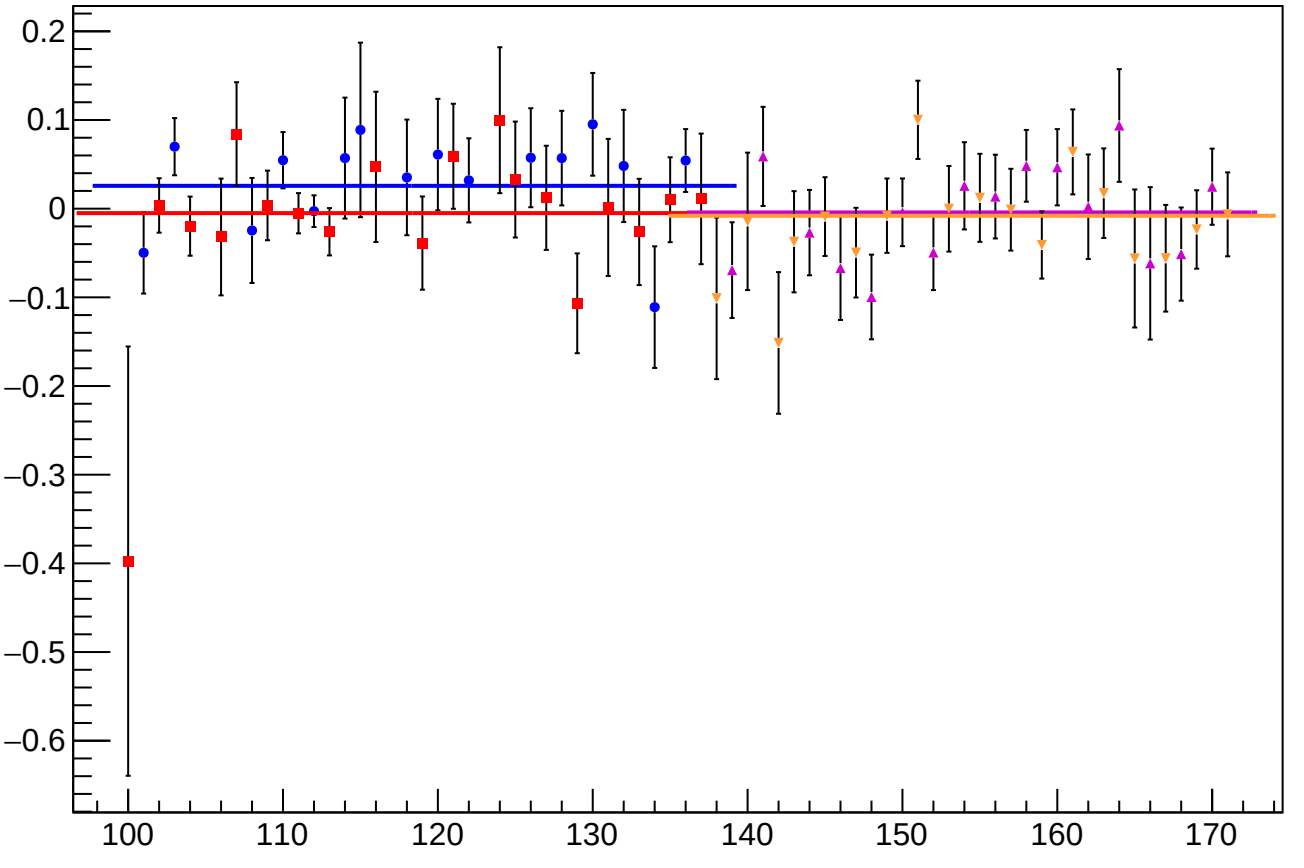
Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:731768.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 2560763.7/33

All: 0.000+/-0.000 χ^2/NDF: 5107426.8/68

- sign 0.000+/-0.000 χ^2/NDF: 2517211.3/34



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

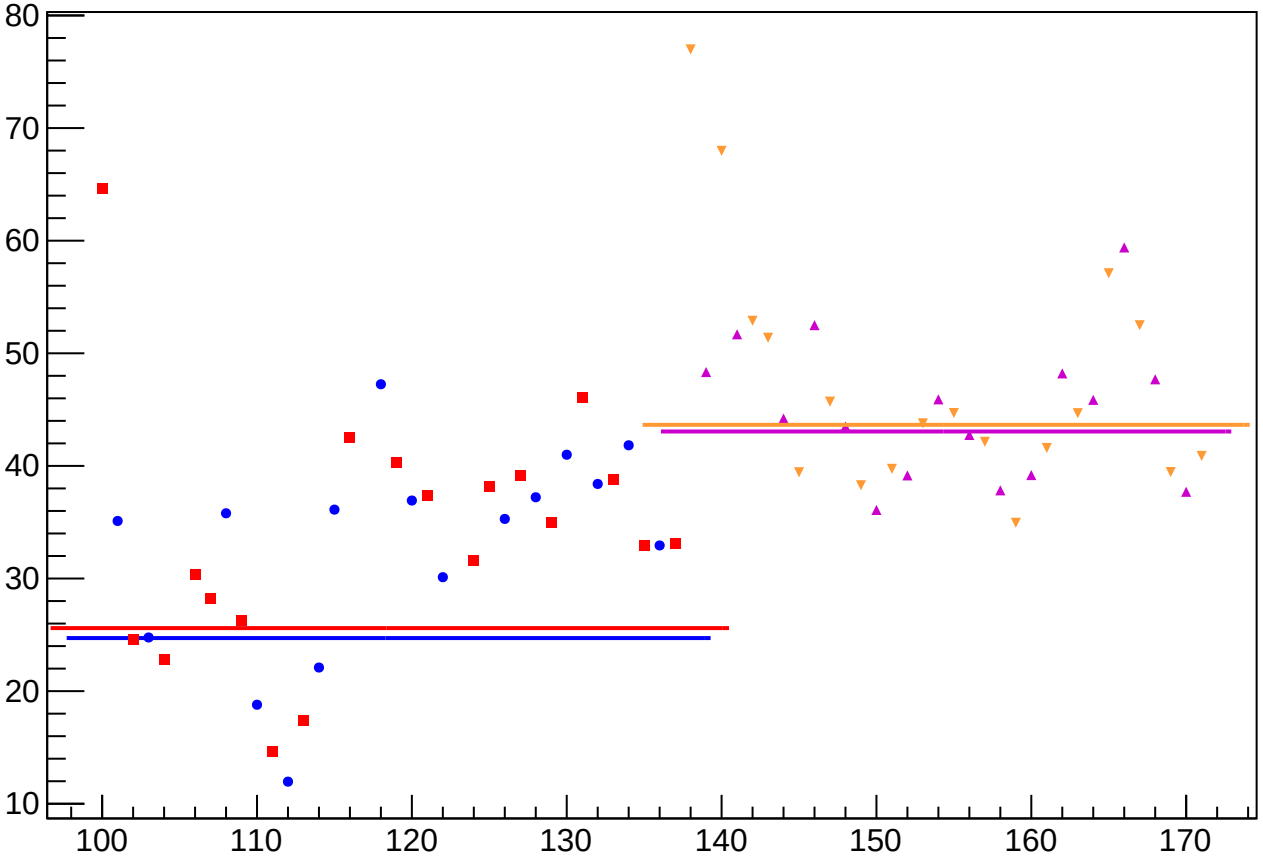
Left In: -0.004+/-0.012 χ^2/NDF:16.9/15

+ sign 0.011+/-0.008 χ^2/NDF: 36.9/33

All: 0.003+/-0.006 χ^2/NDF: 69.5/68

- sign -0.005+/-0.008 χ^2/NDF: 30.5/34

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: 43.649+/-0.008 χ^2/NDF:838623.2/17

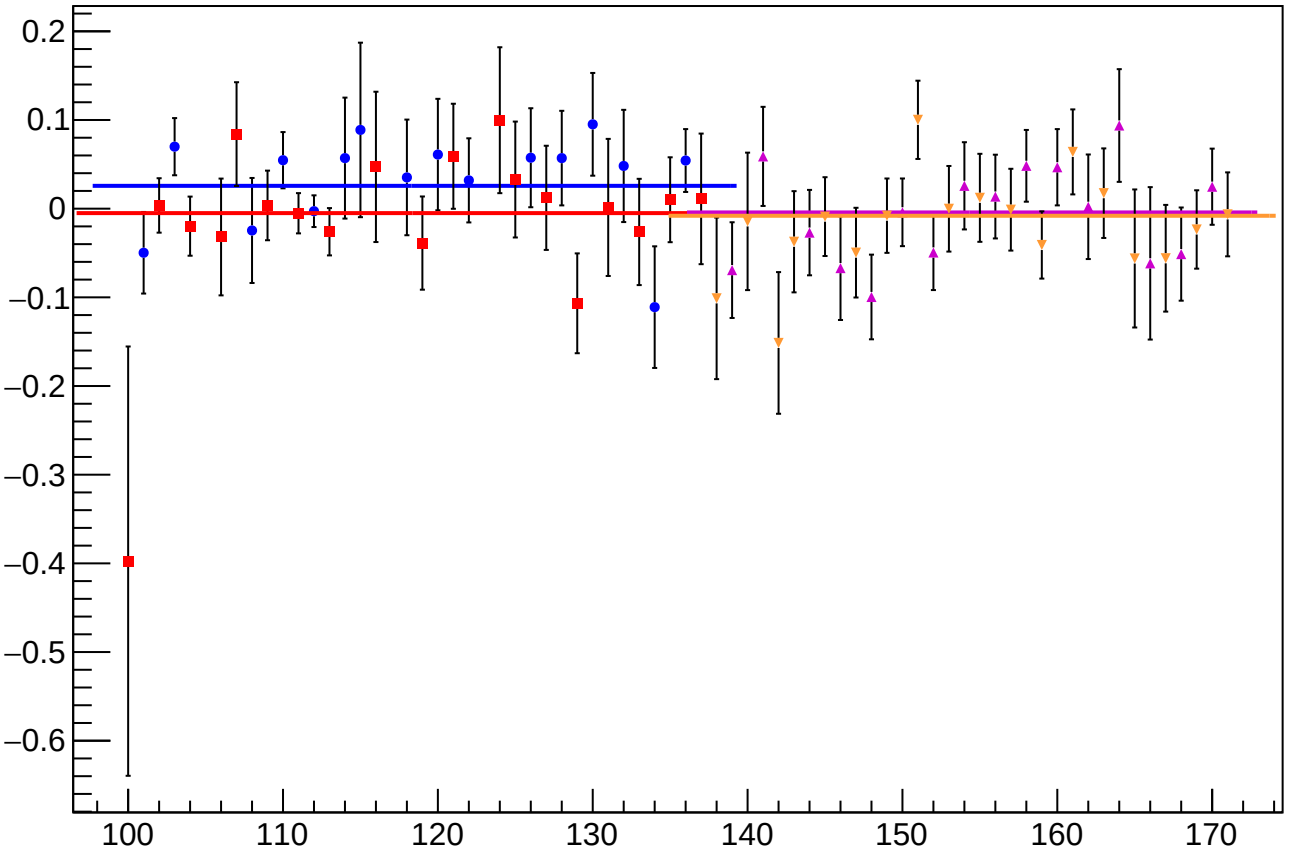
Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.057+/-0.009 χ^2/NDF:398376.0/15

+ sign 32.806+/-0.006 χ^2/NDF: 5991450.5/33

All: 32.834+/-0.004 χ^2/NDF: 10364677.3/68

- sign 32.864+/-0.006 χ^2/NDF: 4373172.3/34



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

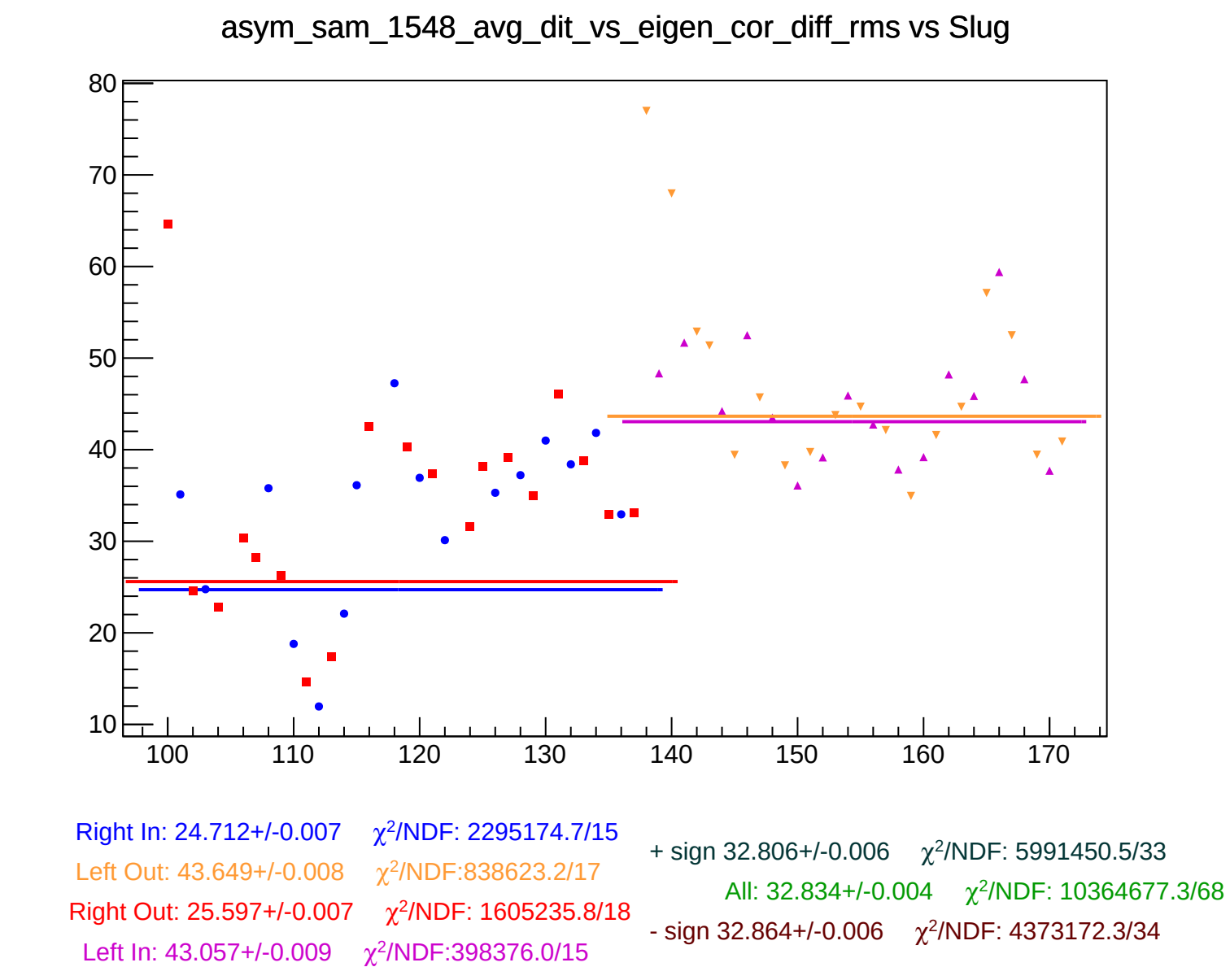
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.012 χ^2/NDF:16.9/15

+ sign 0.011+/-0.008 χ^2/NDF: 36.9/33

All: 0.003+/-0.006 χ^2/NDF: 69.5/68

- sign -0.005+/-0.008 χ^2/NDF: 30.5/34


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug
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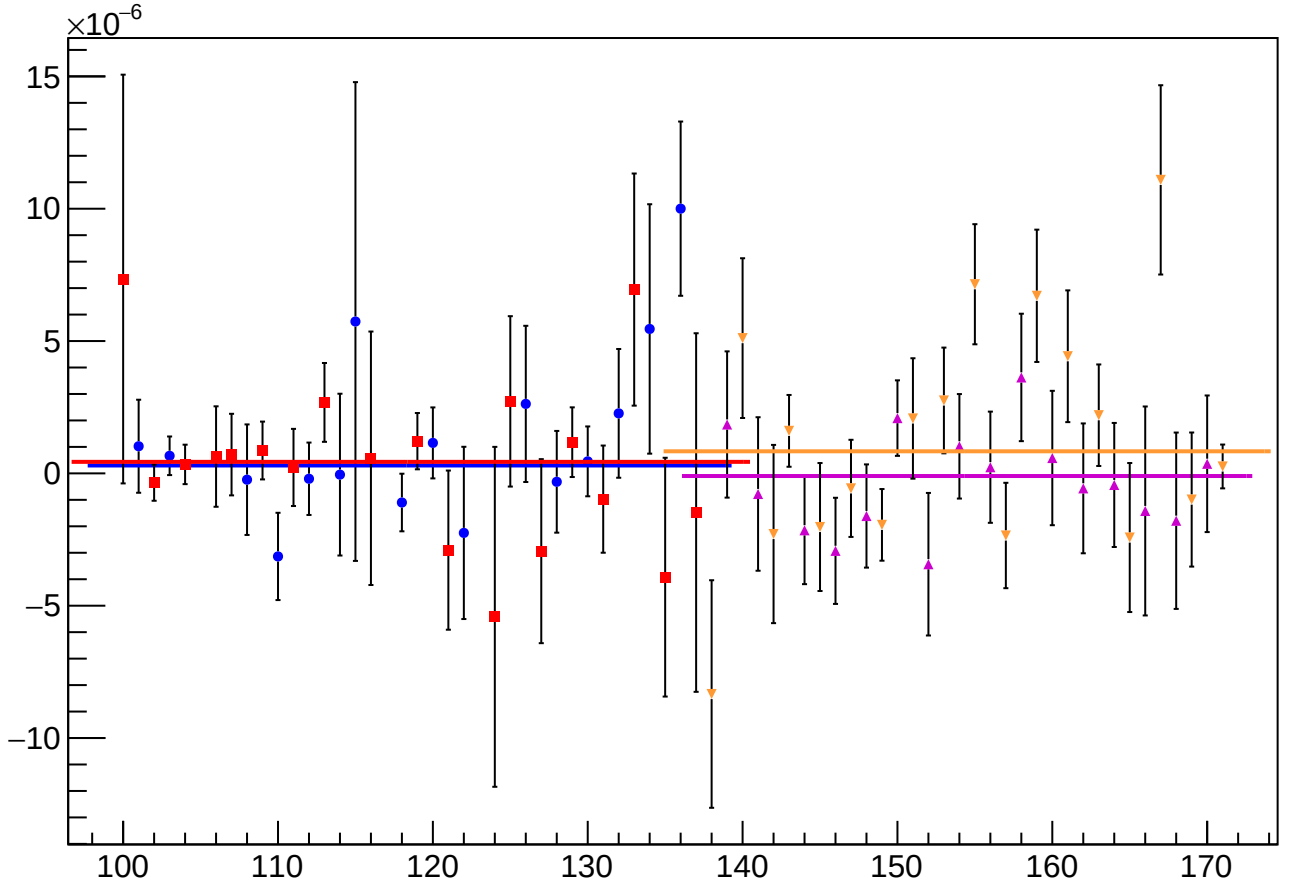
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.649+/-0.008 χ²/NDF:838623.2/17
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.057+/-0.009 χ²/NDF:398376.0/15
+ sign 32.806+/-0.006 χ²/NDF: 5991450.5/33
All: 32.834+/-0.004 χ²/NDF: 10364677.3/68
- sign 32.864+/-0.006 χ²/NDF: 4373172.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.1/17

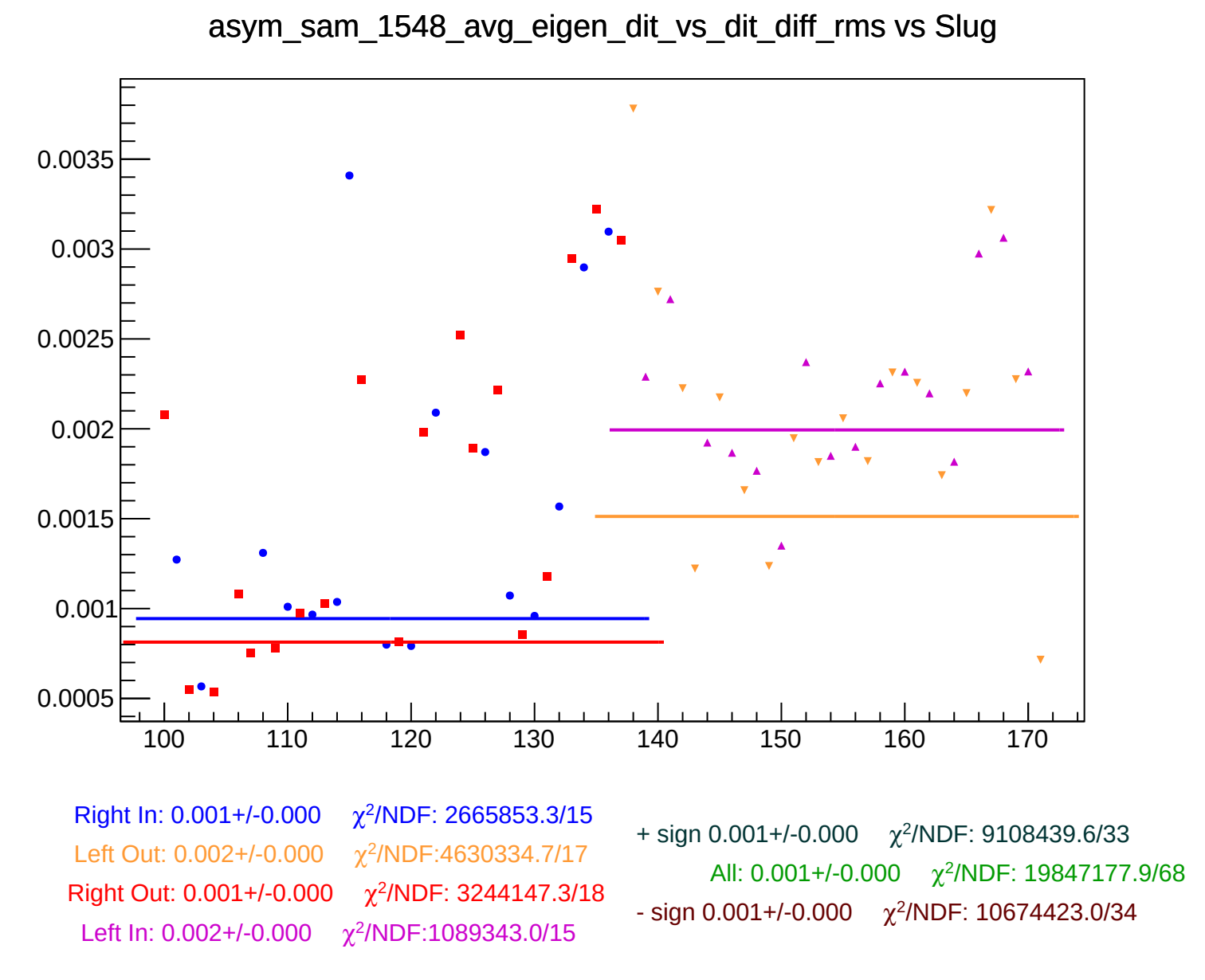
Right Out: 0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/33

All: 0.000+/-0.000 χ^2/NDF: 89.2/68

- sign 0.000+/-0.000 χ^2/NDF: 24.7/34


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug
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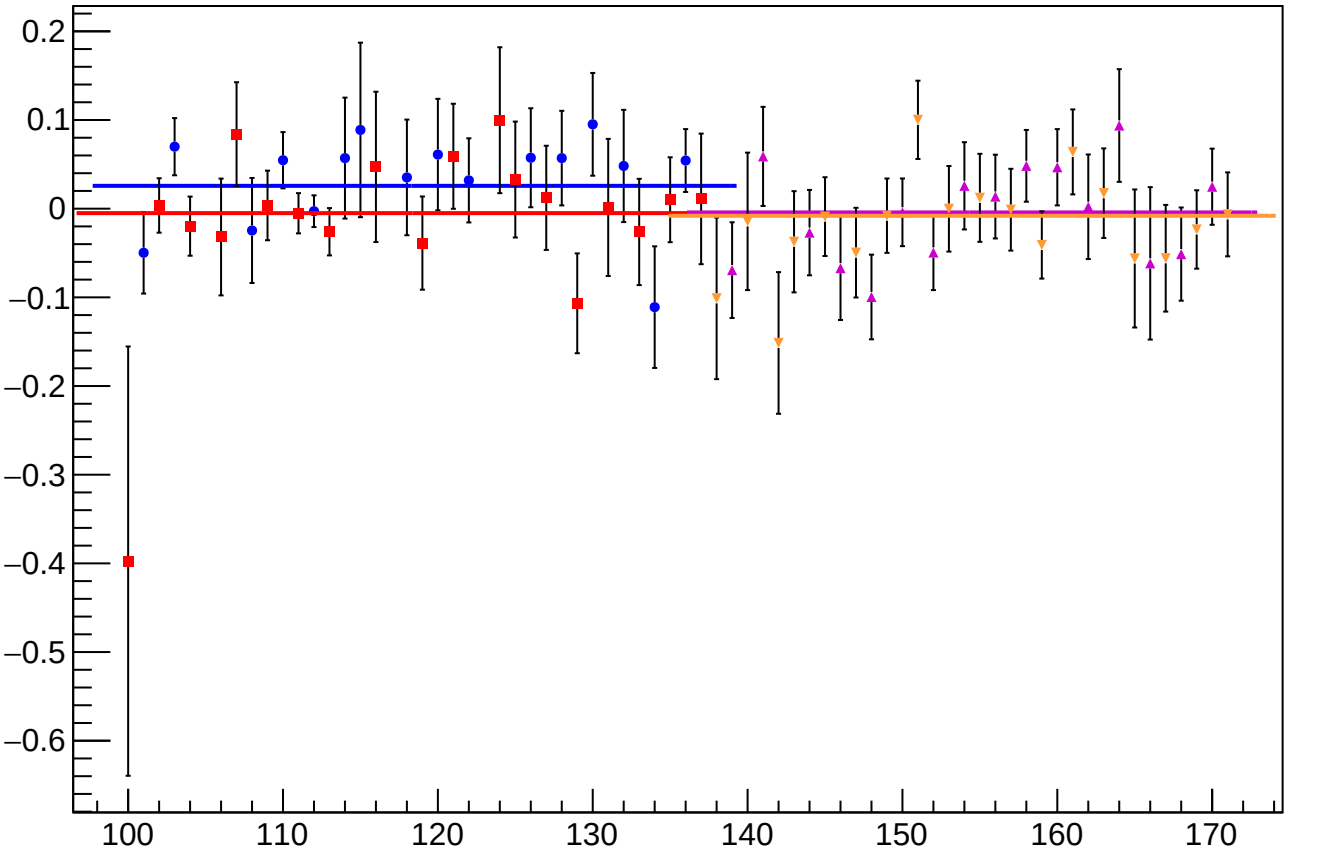
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4630334.7/17
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1089343.0/15
+ sign 0.001+/-0.000 χ²/NDF: 9108439.6/33
All: 0.001+/-0.000 χ²/NDF: 19847177.9/68
- sign 0.001+/-0.000 χ²/NDF: 10674423.0/34



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

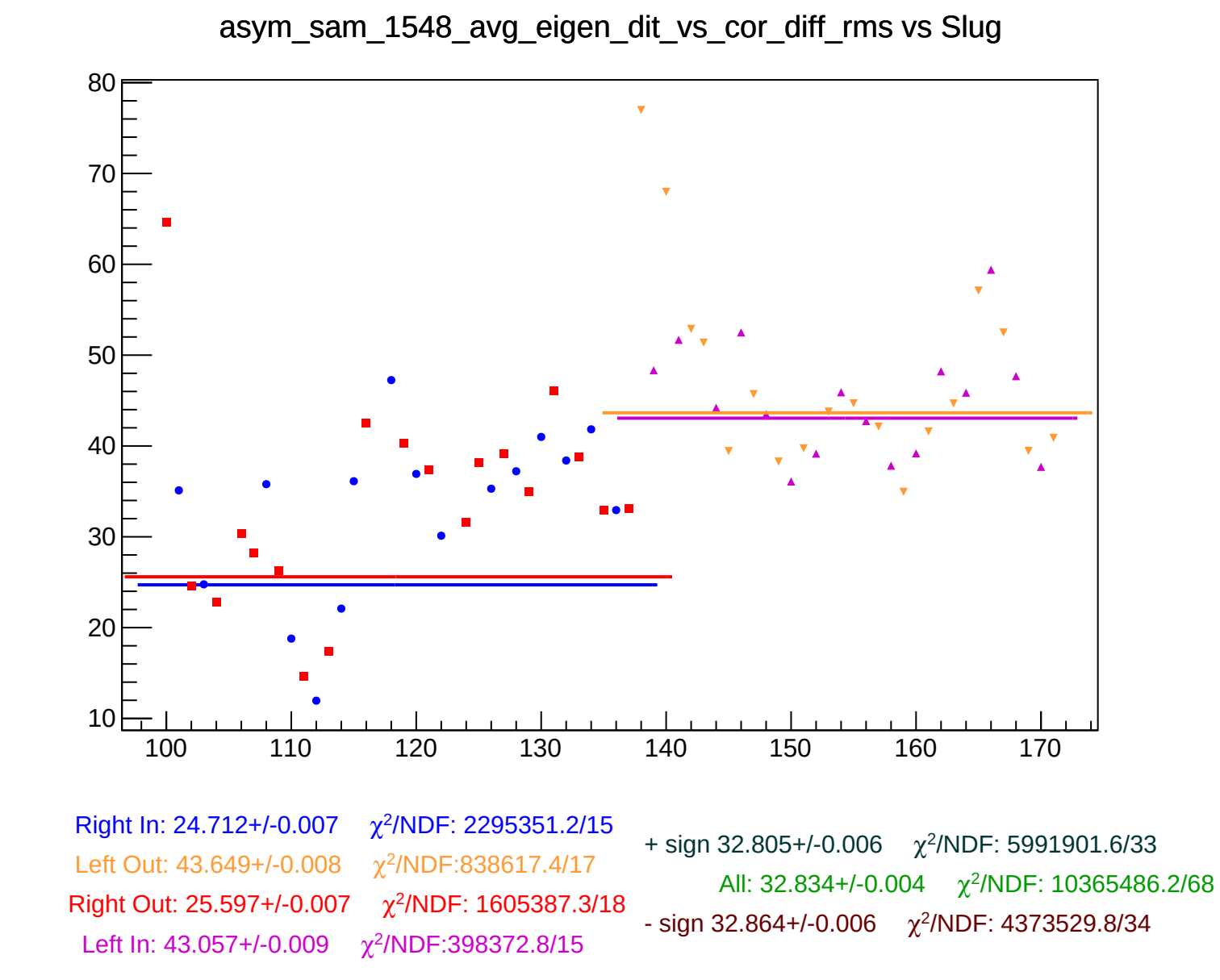
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.012 χ^2/NDF:16.9/15

+ sign 0.011+/-0.008 χ^2/NDF: 36.9/33

All: 0.003+/-0.006 χ^2/NDF: 69.5/68

- sign -0.005+/-0.008 χ^2/NDF: 30.5/34


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug
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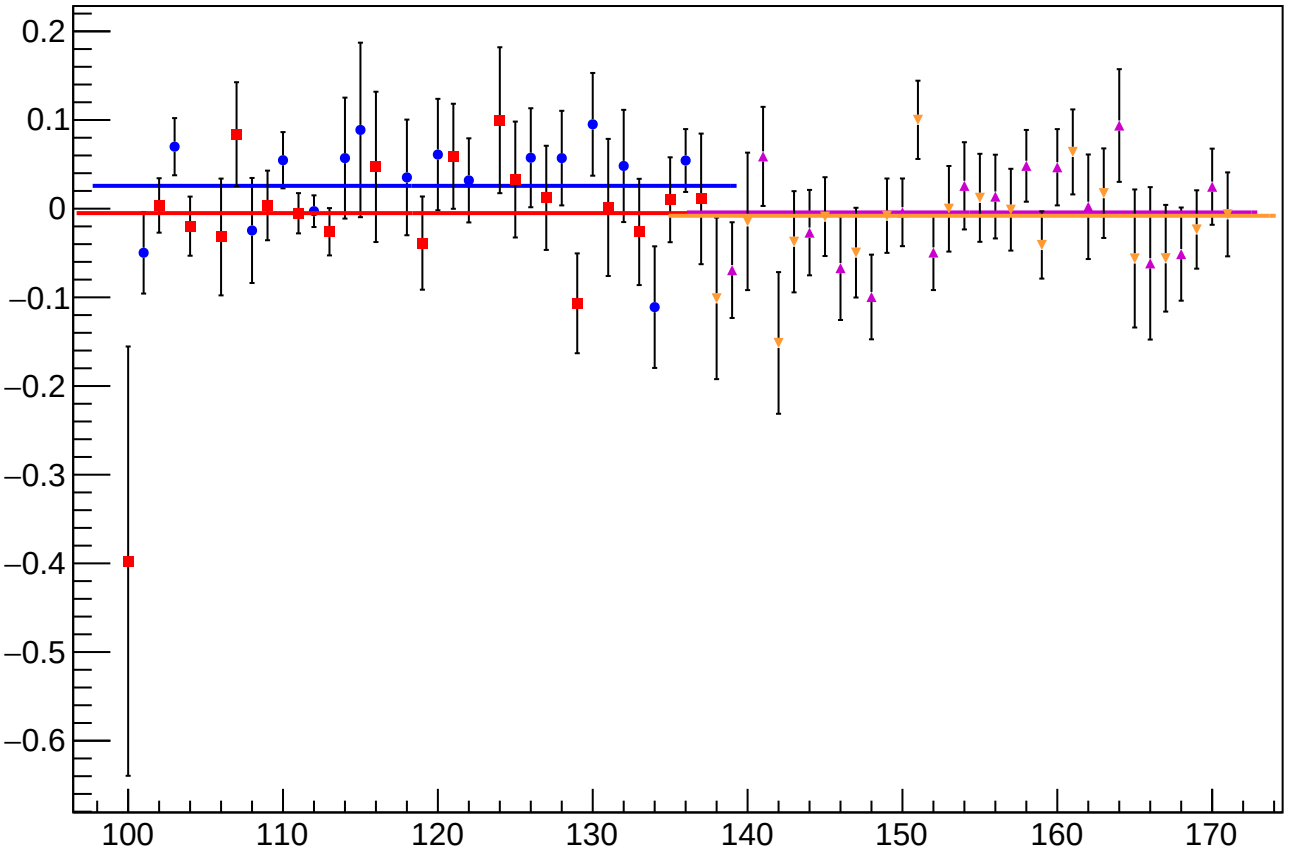
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.649+/-0.008 χ²/NDF:838617.4/17
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.057+/-0.009 χ²/NDF:398372.8/15
+ sign 32.805+/-0.006 χ²/NDF: 5991901.6/33
All: 32.834+/-0.004 χ²/NDF: 10365486.2/68
- sign 32.864+/-0.006 χ²/NDF: 4373529.8/34



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

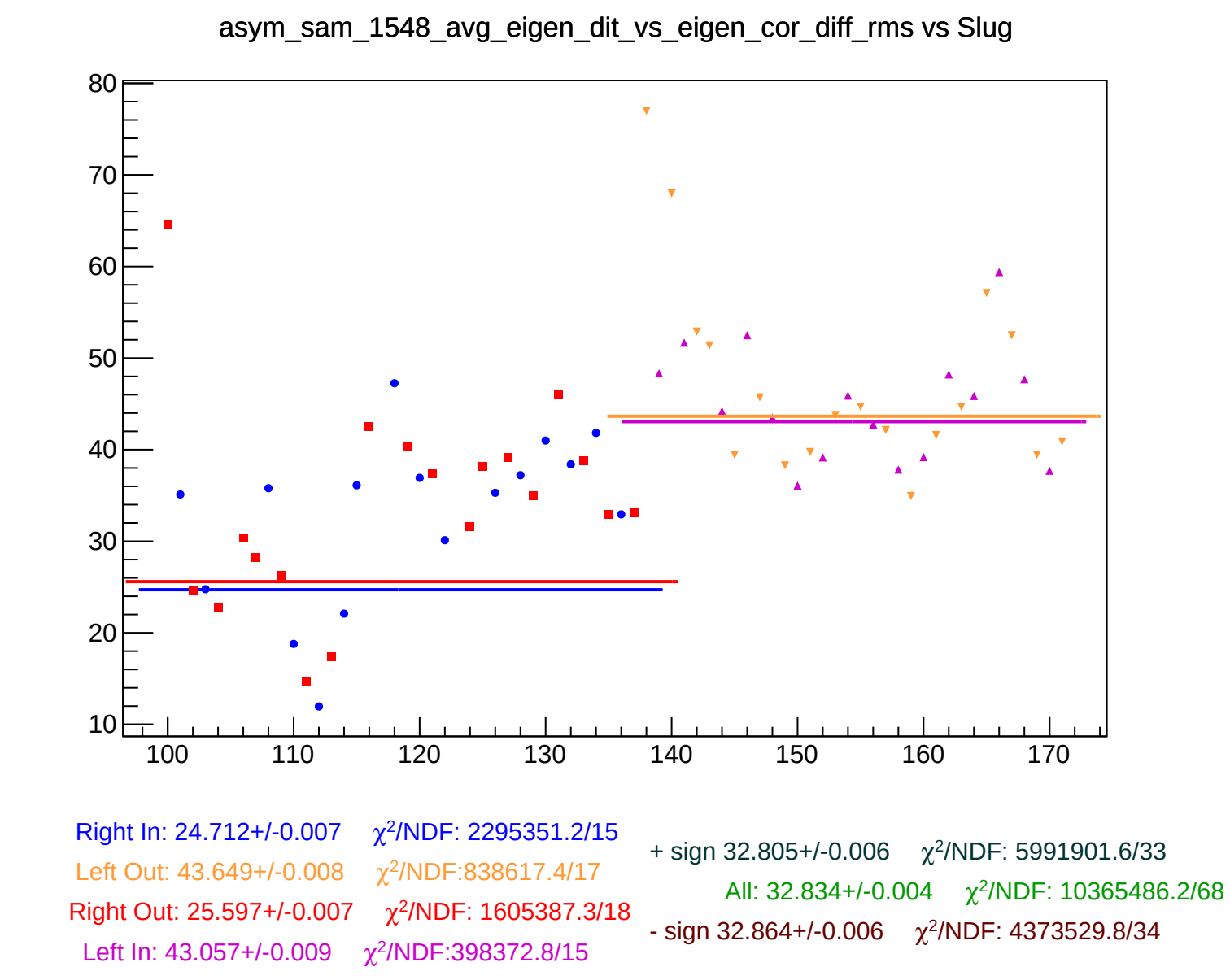
Right Out: -0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: -0.004+/-0.012 χ^2/NDF:16.9/15

+ sign 0.011+/-0.008 χ^2/NDF: 36.9/33

All: 0.003+/-0.006 χ^2/NDF: 69.5/68

- sign -0.005+/-0.008 χ^2/NDF: 30.5/34


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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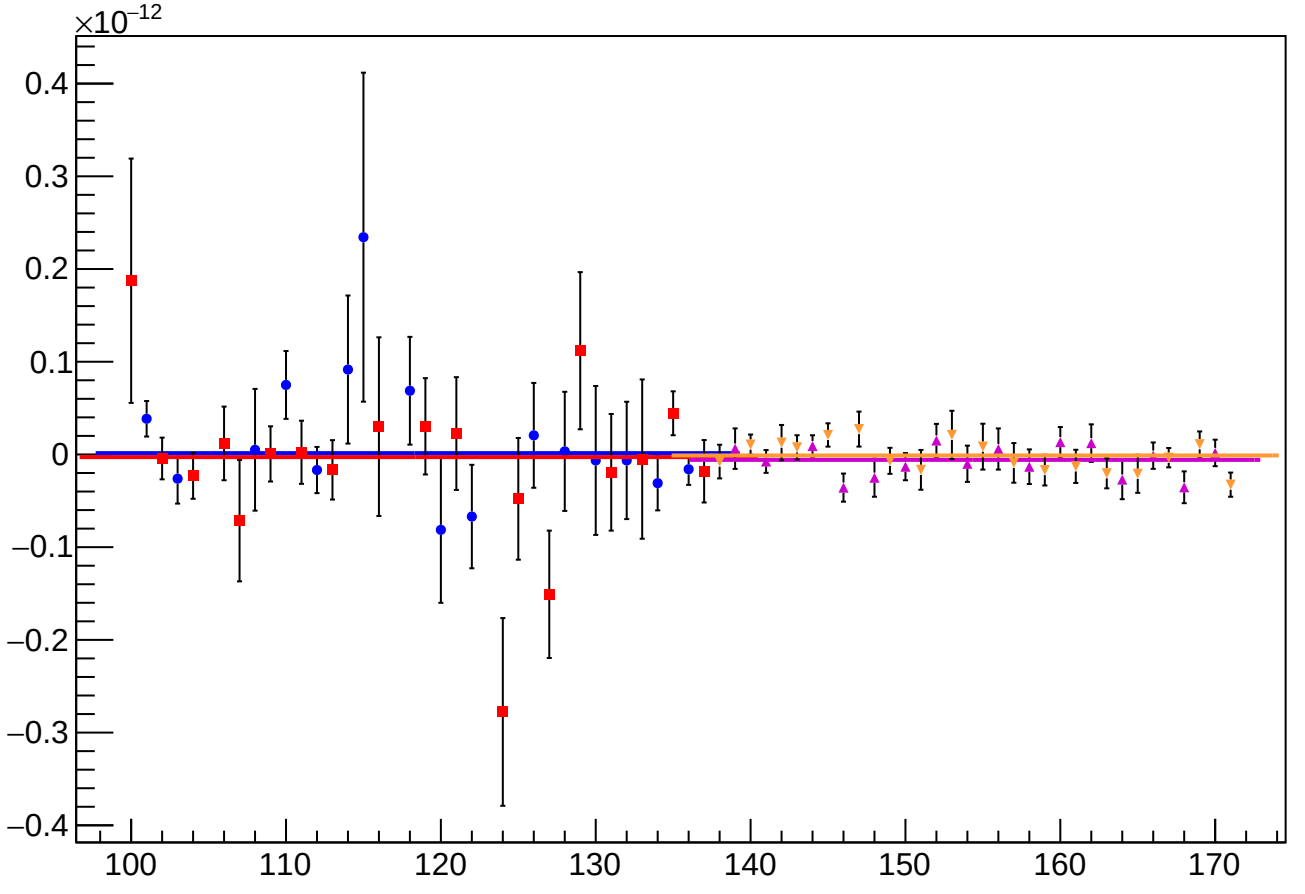
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.649+/-0.008 χ²/NDF:838617.4/17
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.057+/-0.009 χ²/NDF:398372.8/15
+ sign 32.805+/-0.006 χ²/NDF: 5991901.6/33
All: 32.834+/-0.004 χ²/NDF: 10365486.2/68
- sign 32.864+/-0.006 χ²/NDF: 4373529.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/17

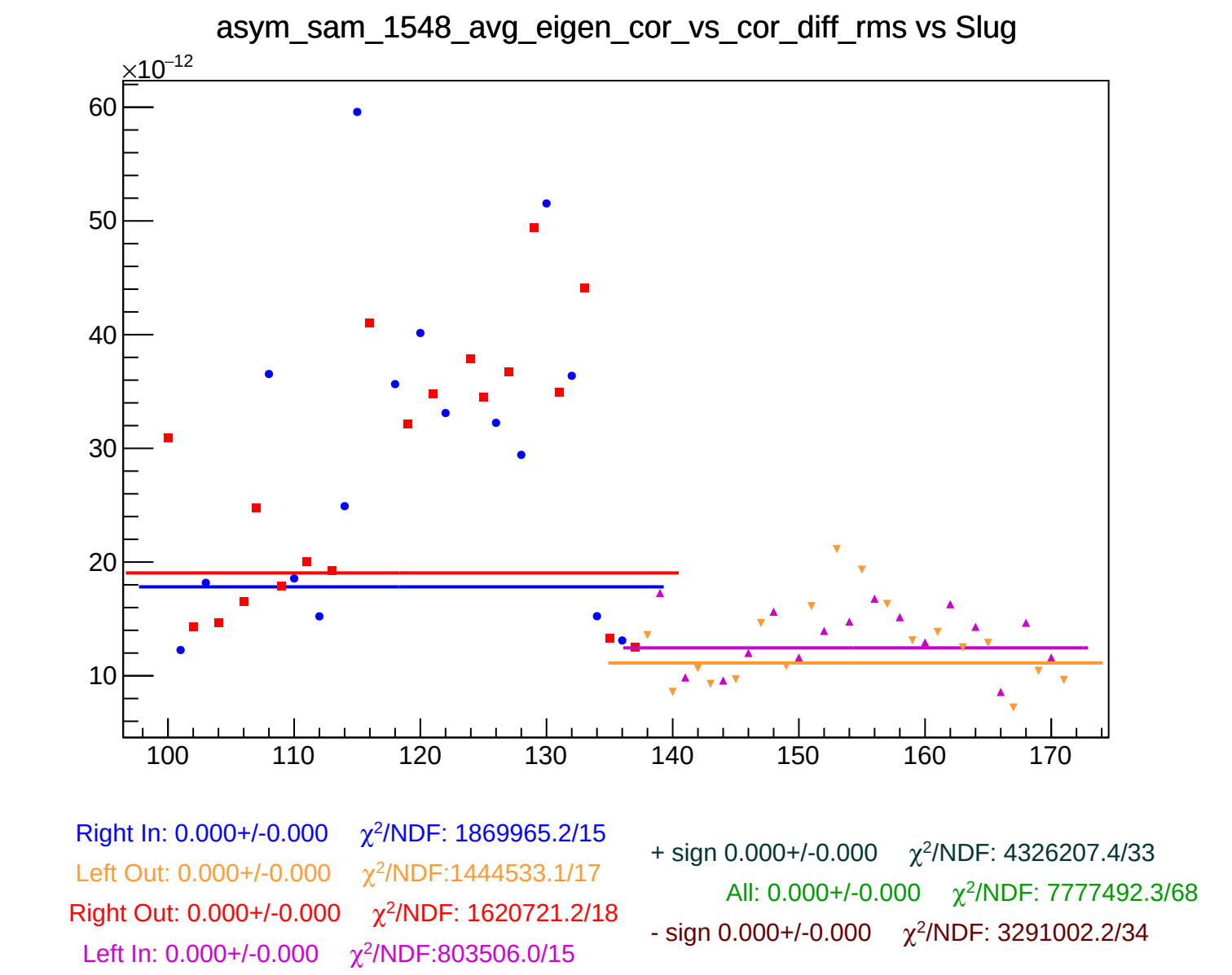
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: -0.000+/-0.000 χ^2/NDF:15.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 38.5/33

All: -0.000+/-0.000 χ^2/NDF: 78.3/68

- sign -0.000+/-0.000 χ^2/NDF: 39.0/34


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug
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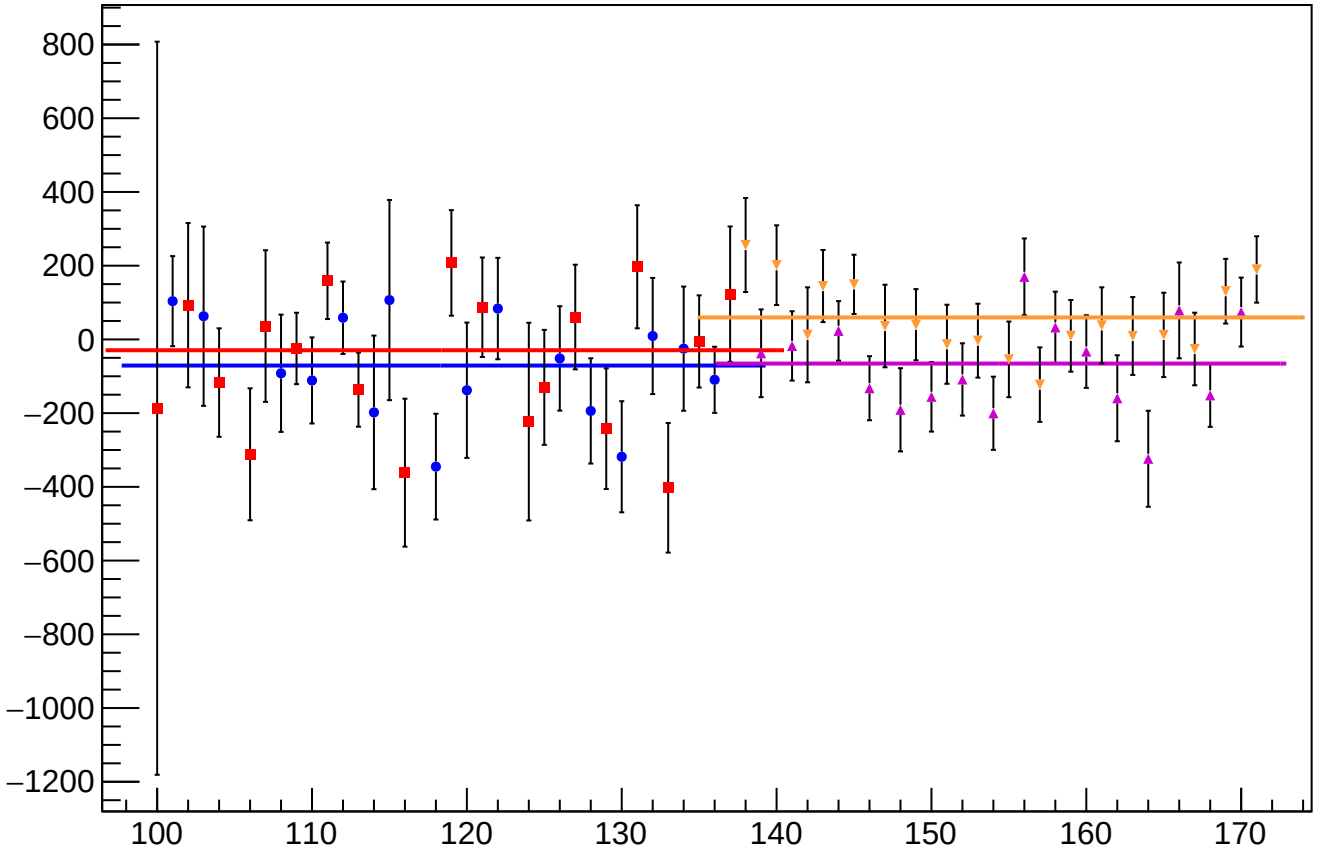
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1444533.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:803506.0/15
+ sign 0.000+/-0.000 χ²/NDF: 4326207.4/33
All: 0.000+/-0.000 χ²/NDF: 7777492.3/68
- sign 0.000+/-0.000 χ²/NDF: 3291002.2/34

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.606+/-23.869 χ^2/NDF:15.9/17

Right Out: -29.410+/-34.243 χ^2/NDF: 24.0/18

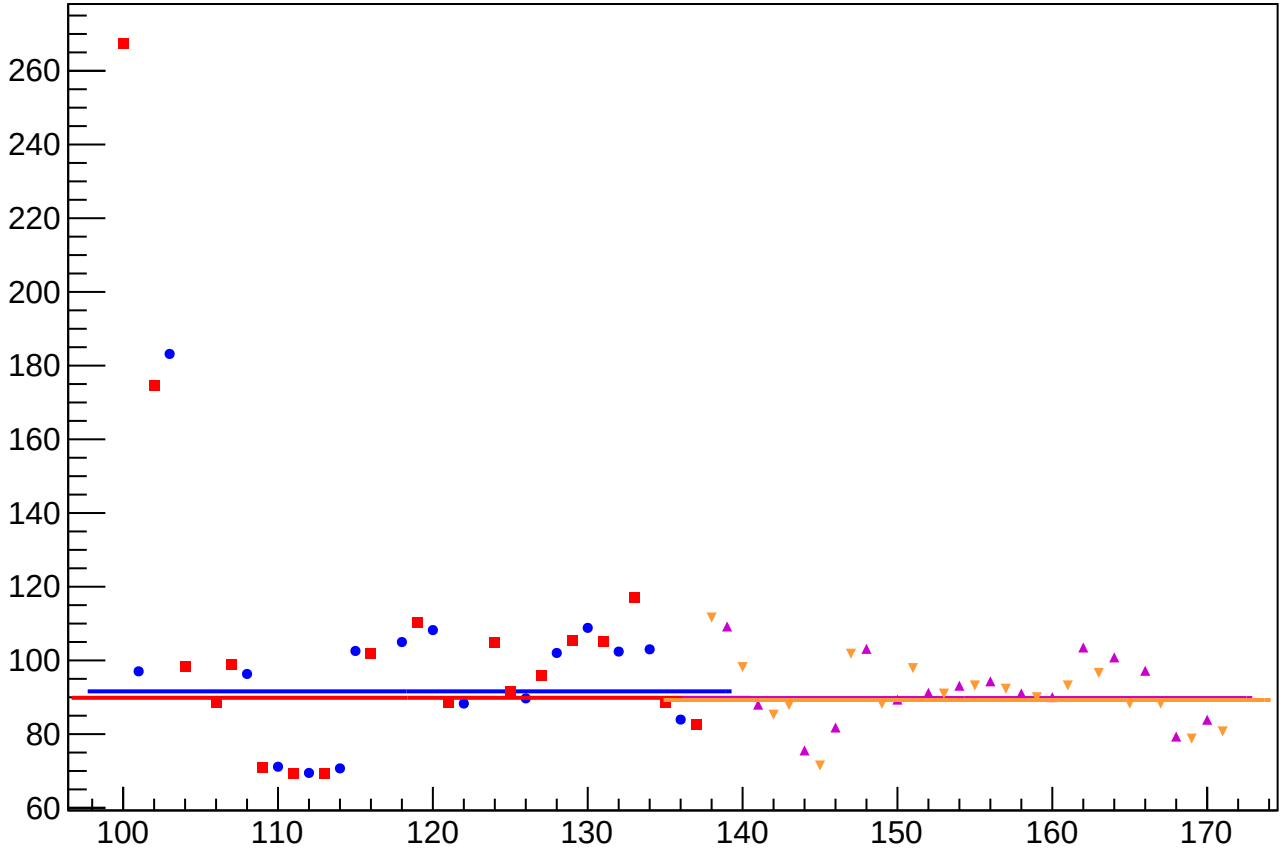
Left In: -65.507+/-24.928 χ^2/NDF:21.6/15

+ sign 18.376+/-19.742 χ^2/NDF: 39.4/33

All: -16.577+/-14.103 χ^2/NDF: 92.1/68

- sign -53.003+/-20.154 χ^2/NDF: 46.3/34

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

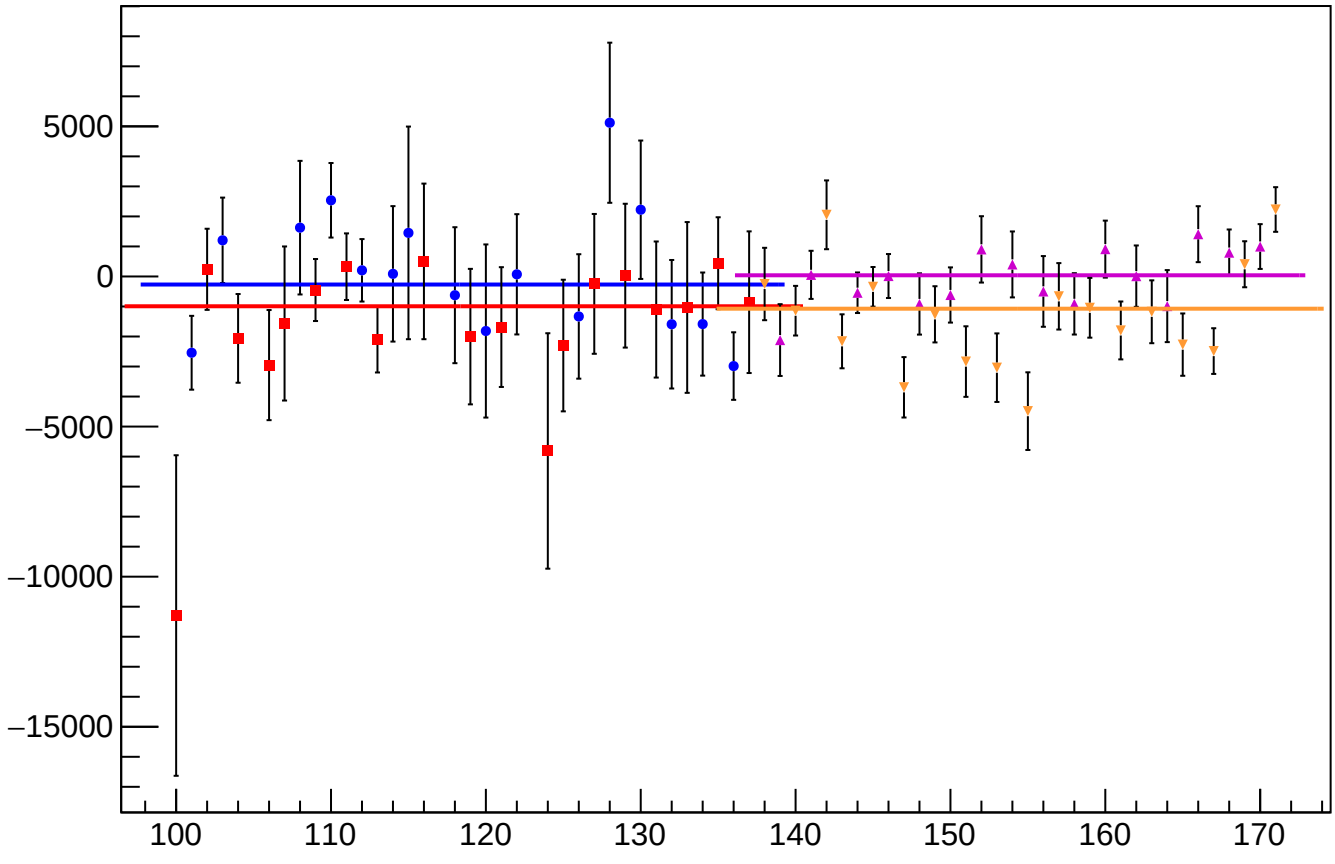
Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

+ sign 90.003+/-0.014 χ^2/NDF: 865394.5/33

All: 89.910+/-0.010 χ^2/NDF: 1865750.2/68

- sign 89.814+/-0.014 χ^2/NDF: 1000266.0/34



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1073.725+/-220.087 χ^2/NDF:58.5/17

Right Out: -992.670+/-400.824 χ^2/NDF: 12.7/18

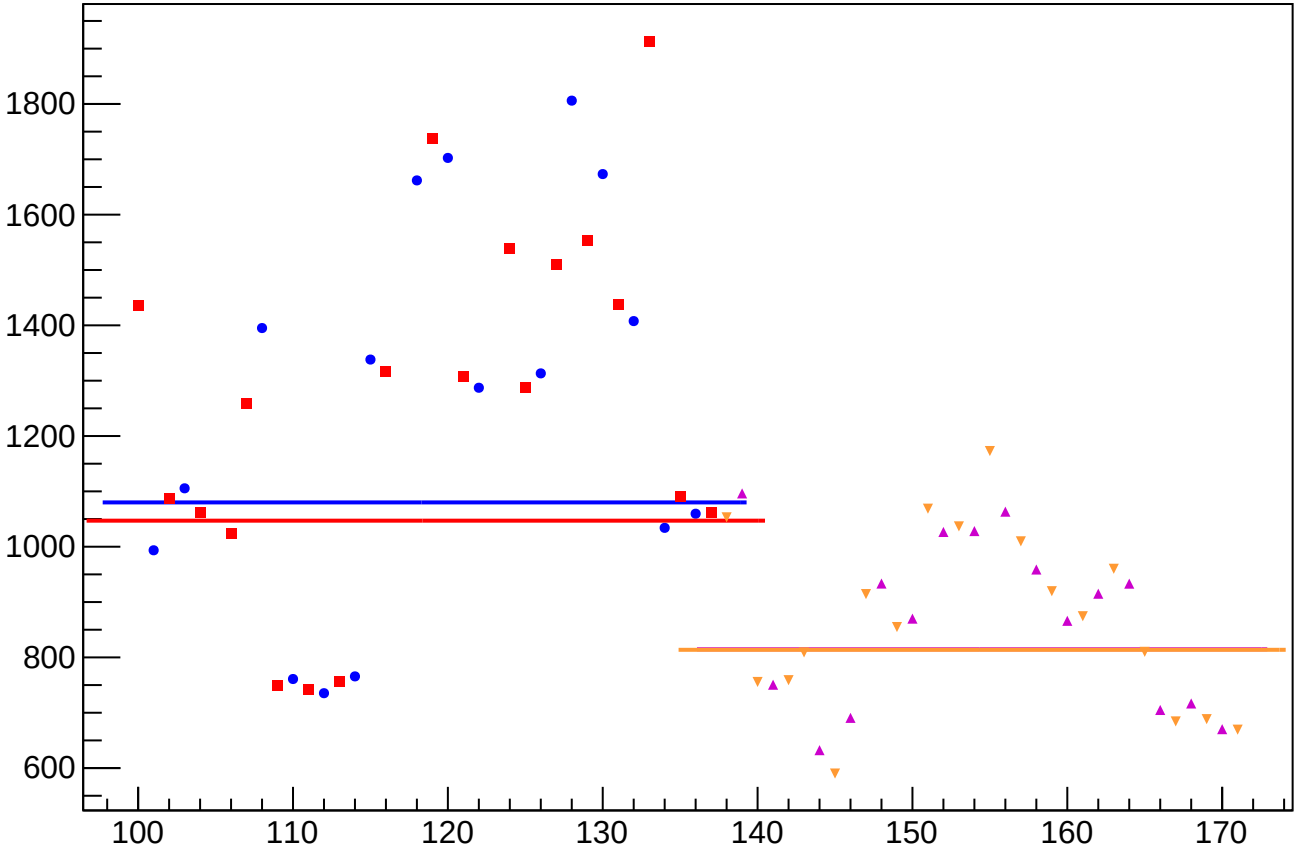
Left In: 39.309+/-228.391 χ^2/NDF:13.5/15

+ sign -899.974+/-194.901 χ^2/NDF: 84.9/33

All: -562.972+/-139.049 χ^2/NDF: 122.2/68

- sign -213.628+/-198.438 χ^2/NDF: 31.2/34

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 813.717+/-0.156 χ^2/NDF:990421.6/17

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

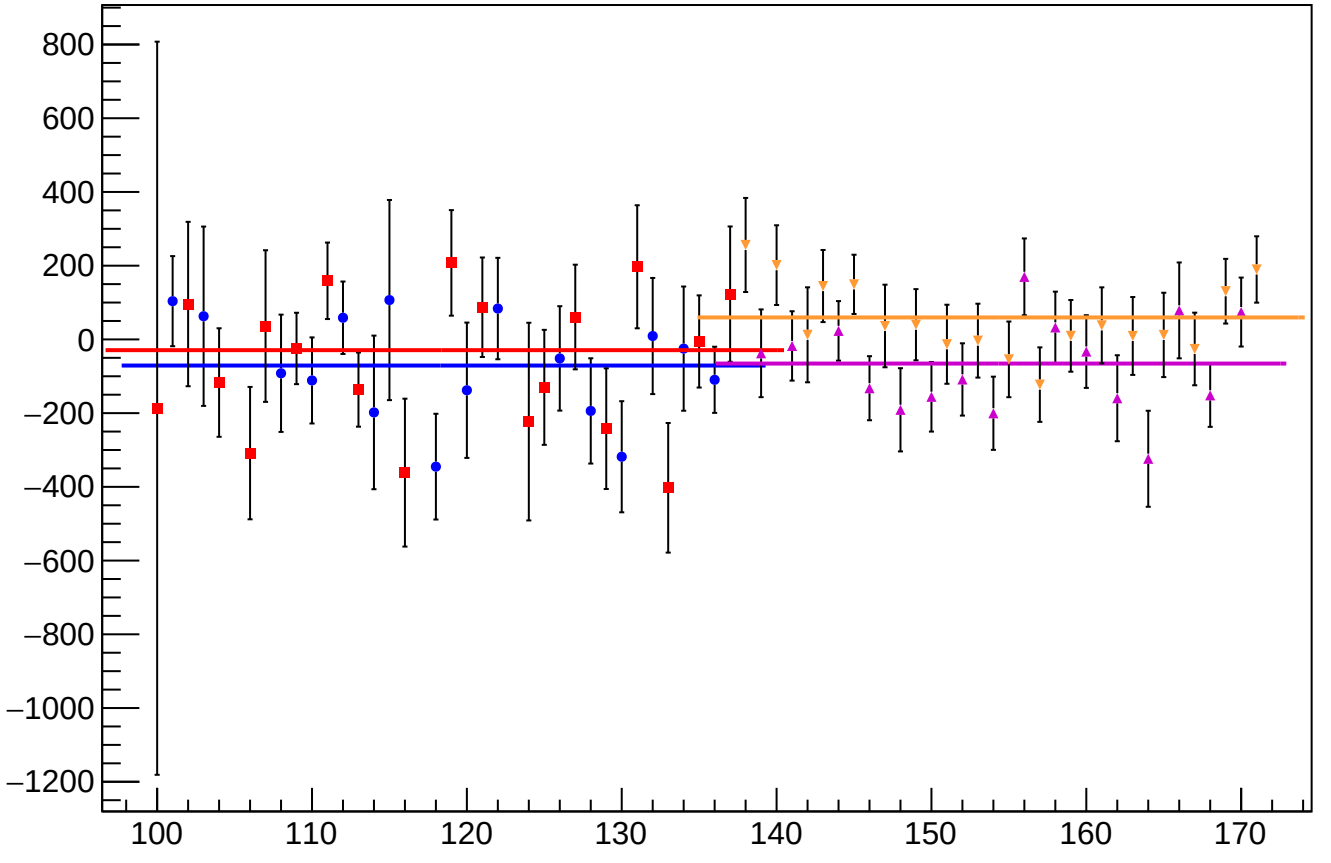
Left In: 814.685+/-0.161 χ^2/NDF:818473.0/15

+ sign 871.184+/-0.138 χ^2/NDF: 2675834.6/33

All: 871.409+/-0.098 χ^2/NDF: 5200440.6/68

- sign 871.642+/-0.140 χ^2/NDF: 2524600.6/34

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.608+/-23.869 χ^2/NDF:15.9/17

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

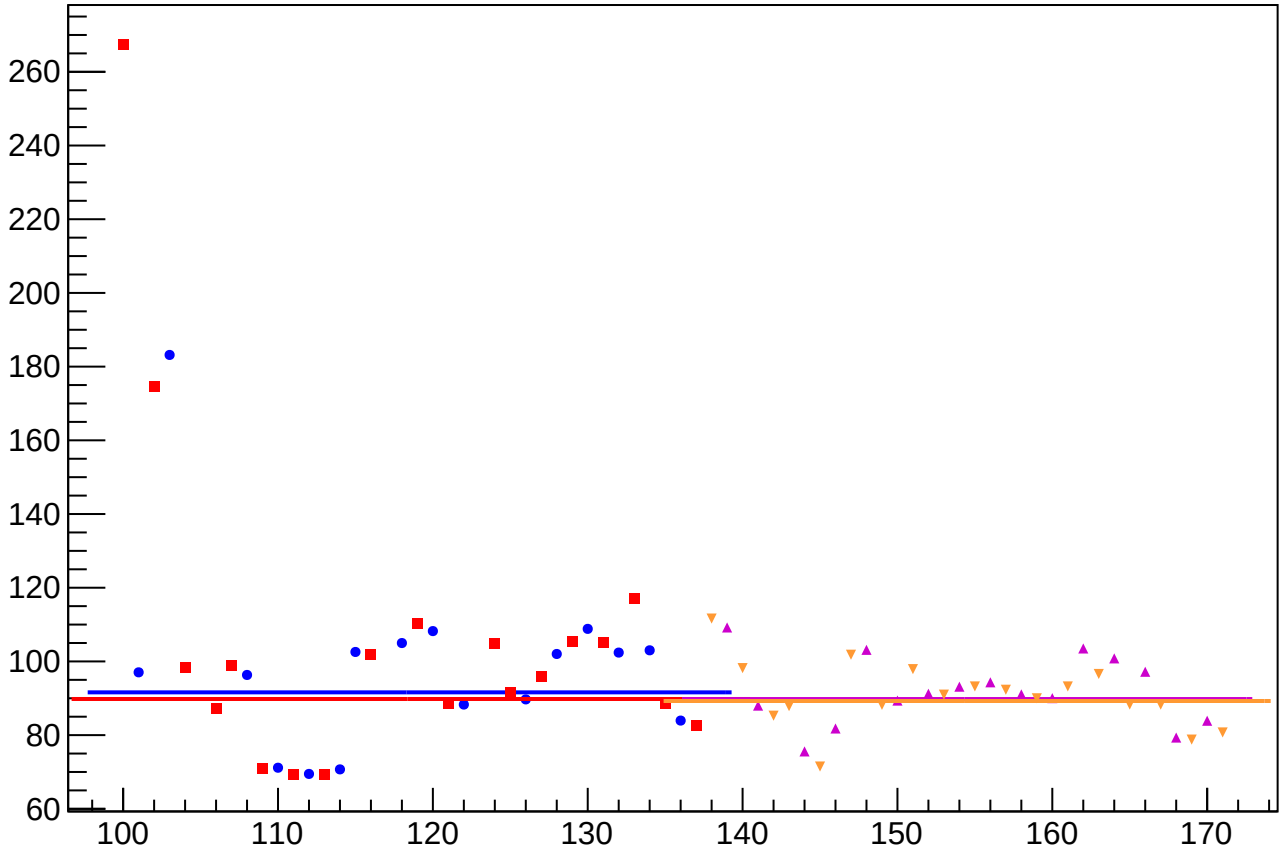
Left In: -65.505+/-24.928 χ^2/NDF:21.6/15

+ sign 18.374+/-19.742 χ^2/NDF: 39.4/33

All: -16.534+/-14.103 χ^2/NDF: 92.0/68

- sign -52.917+/-20.154 χ^2/NDF: 46.3/34

cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

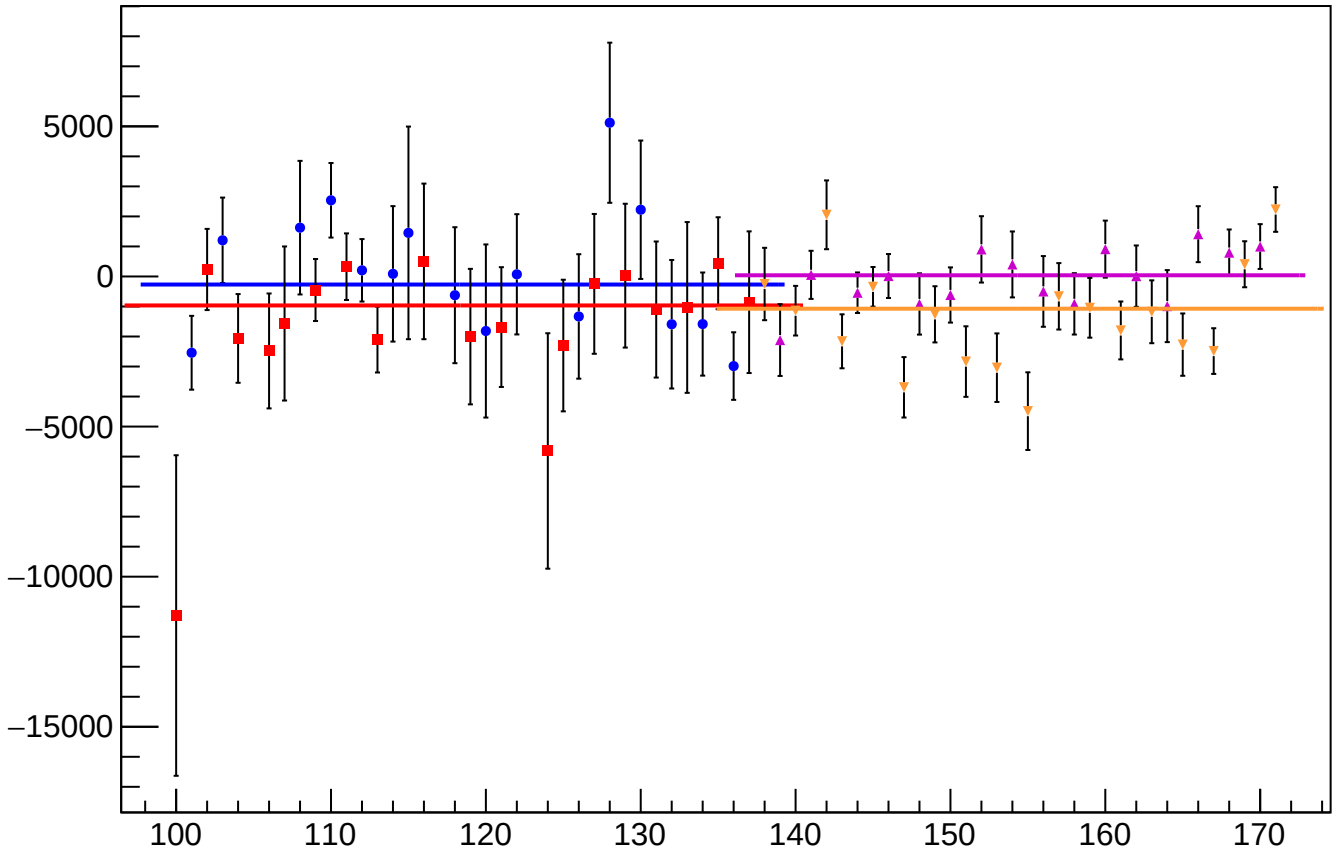
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

+ sign 90.003+/-0.014 χ^2/NDF: 865397.6/33

All: 89.902+/-0.010 χ^2/NDF: 1866309.8/68

- sign 89.797+/-0.014 χ^2/NDF: 1000806.3/34



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1073.720+/-220.087 χ^2/NDF:58.5/17

Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

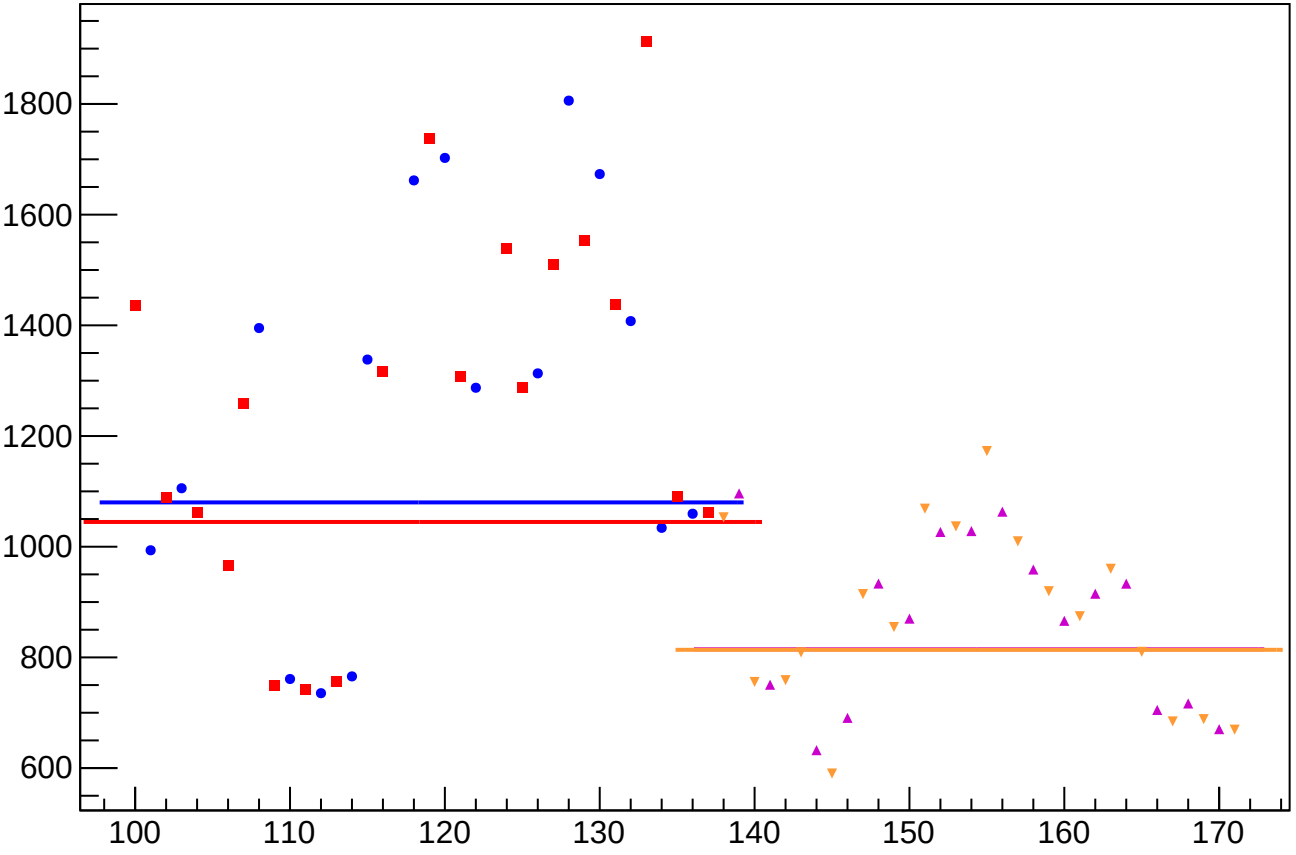
Left In: 39.304+/-228.391 χ^2/NDF:13.5/15

\+ sign -899.977+/-194.901 χ^2/NDF: 84.9/33

All: -559.447+/-139.083 χ^2/NDF: 121.5/68

\- sign -206.099+/-198.536 χ^2/NDF: 30.4/34

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 813.717+/-0.156 χ^2/NDF:990425.0/17

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

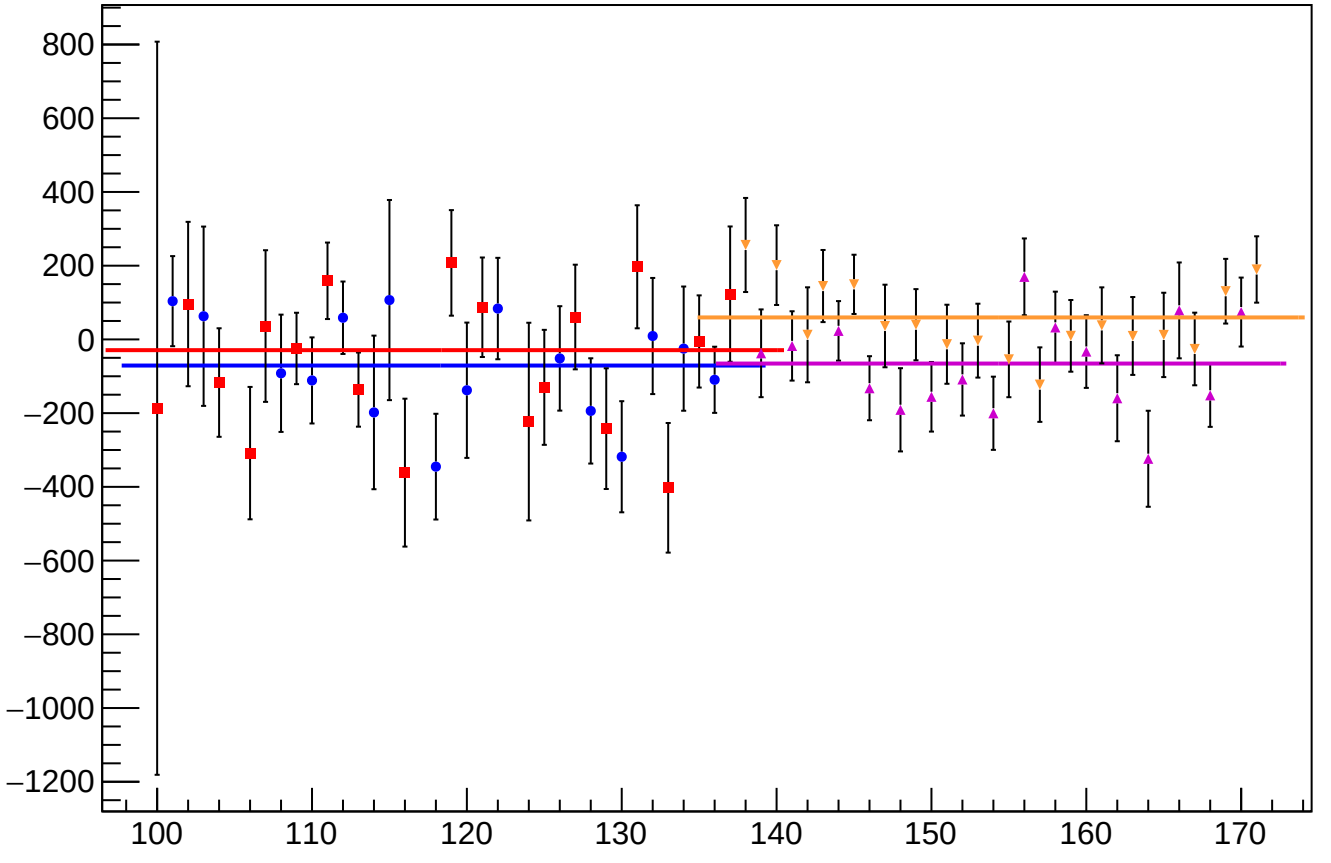
Left In: 814.685+/-0.161 χ^2/NDF:818470.9/15

+ sign 871.185+/-0.138 χ^2/NDF: 2675879.0/33

All: 871.042+/-0.098 χ^2/NDF: 5191930.5/68

- sign 870.894+/-0.140 χ^2/NDF: 2516049.3/34

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.608+/-23.869 χ^2/NDF:15.9/17

Right Out: -29.159+/-34.247 χ^2/NDF: 24.0/18

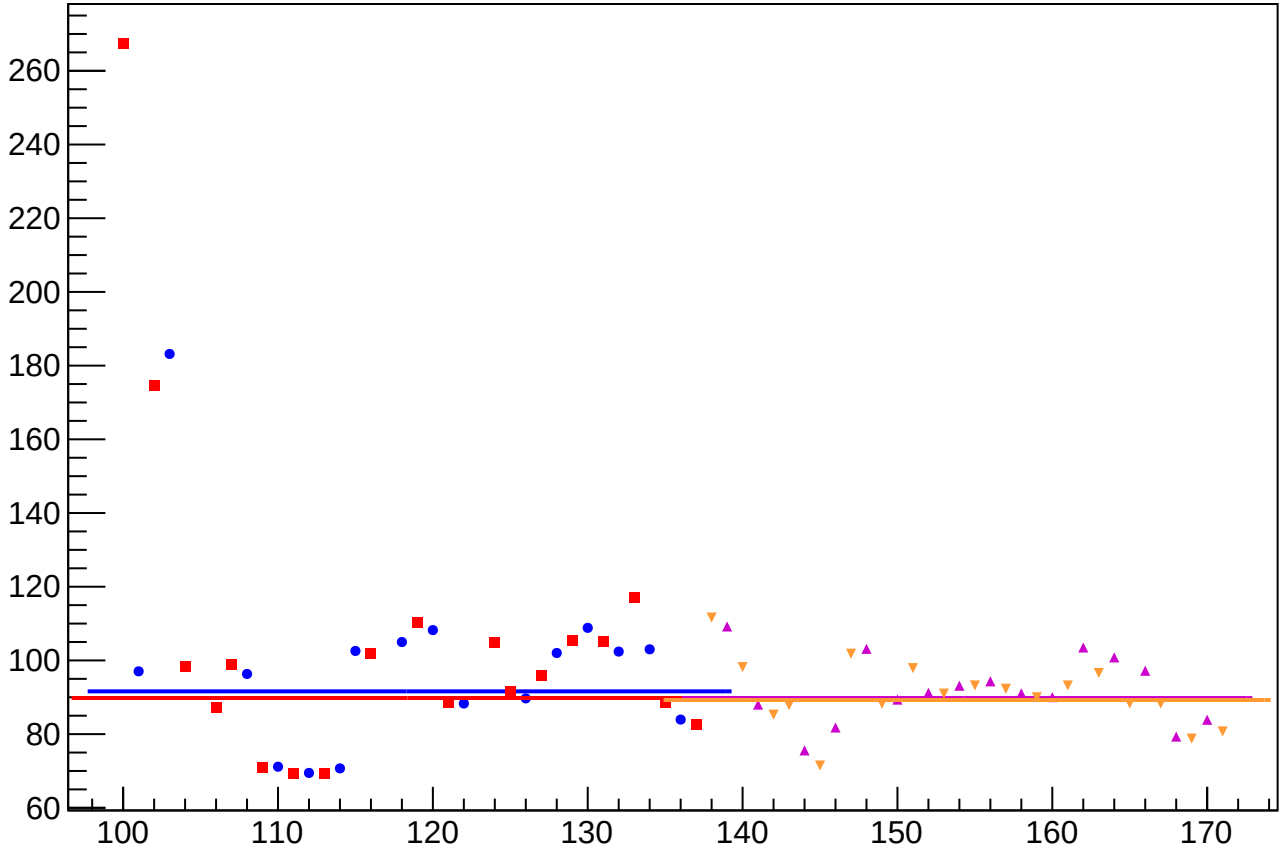
Left In: -65.505+/-24.928 χ^2/NDF:21.6/15

+ sign 18.374+/-19.742 χ^2/NDF: 39.4/33

All: -16.534+/-14.103 χ^2/NDF: 92.0/68

- sign -52.917+/-20.154 χ^2/NDF: 46.3/34

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

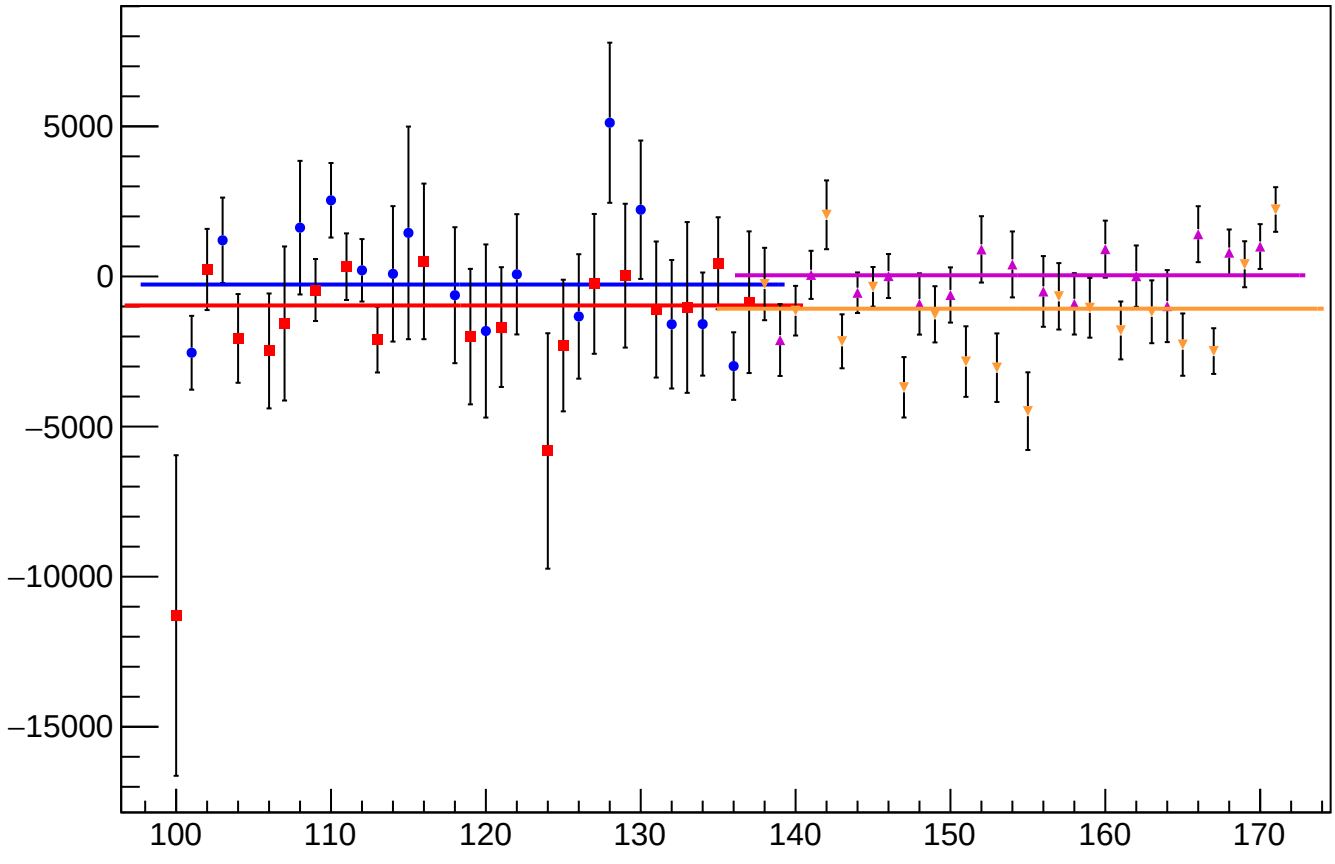
Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.792+/-0.018 χ^2/NDF:253972.7/15

+ sign 90.003+/-0.014 χ^2/NDF: 865397.6/33

All: 89.902+/-0.010 χ^2/NDF: 1866309.8/68

- sign 89.797+/-0.014 χ^2/NDF: 1000806.3/34



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1073.720+/-220.087 χ^2/NDF:58.5/17

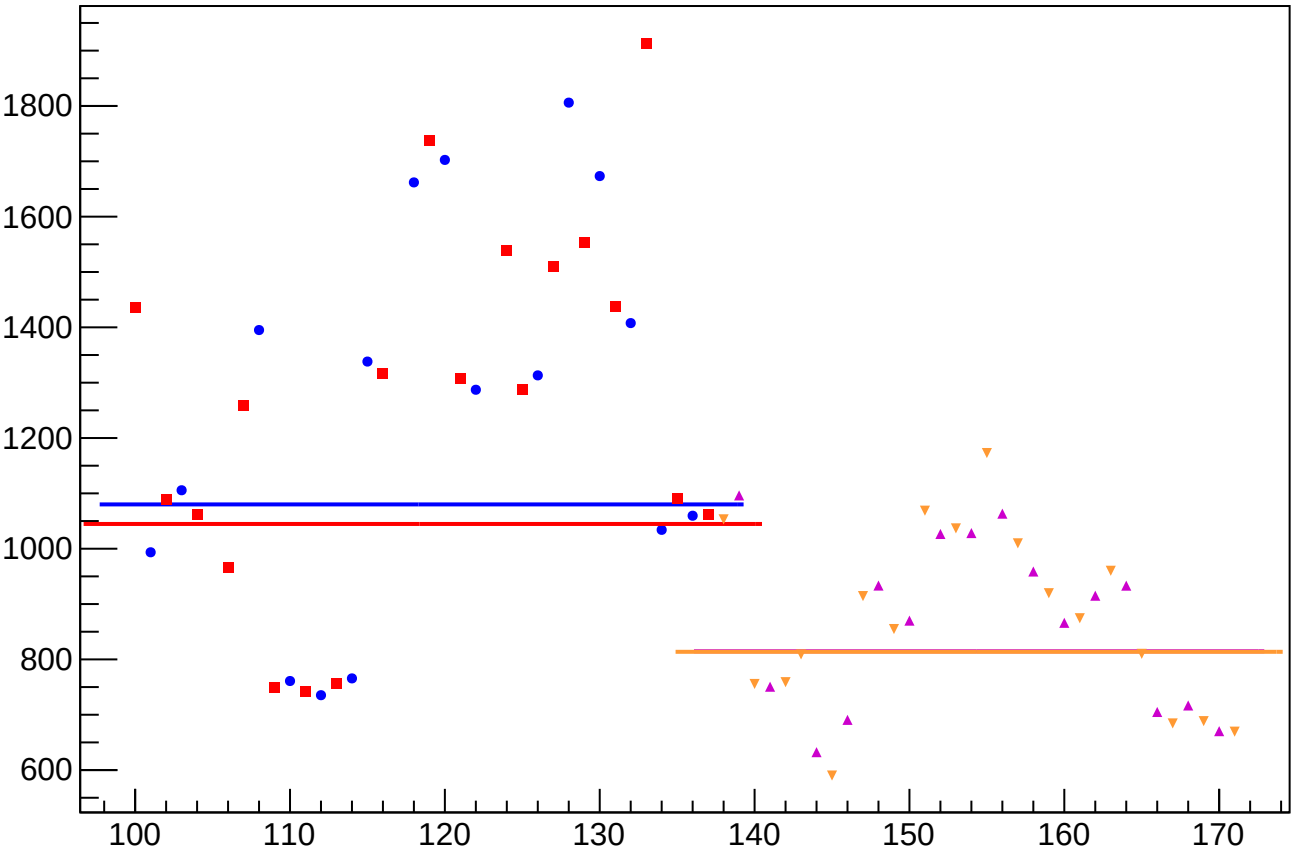
Right Out: -964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 39.304+/-228.391 χ^2/NDF:13.5/15

+ sign -899.977+/-194.901 χ^2/NDF: 84.9/33

All: -559.447+/-139.083 χ^2/NDF: 121.5/68

- sign -206.099+/-198.536 χ^2/NDF: 30.4/34



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 813.717+/-0.156 χ^2/NDF:990425.0/17

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

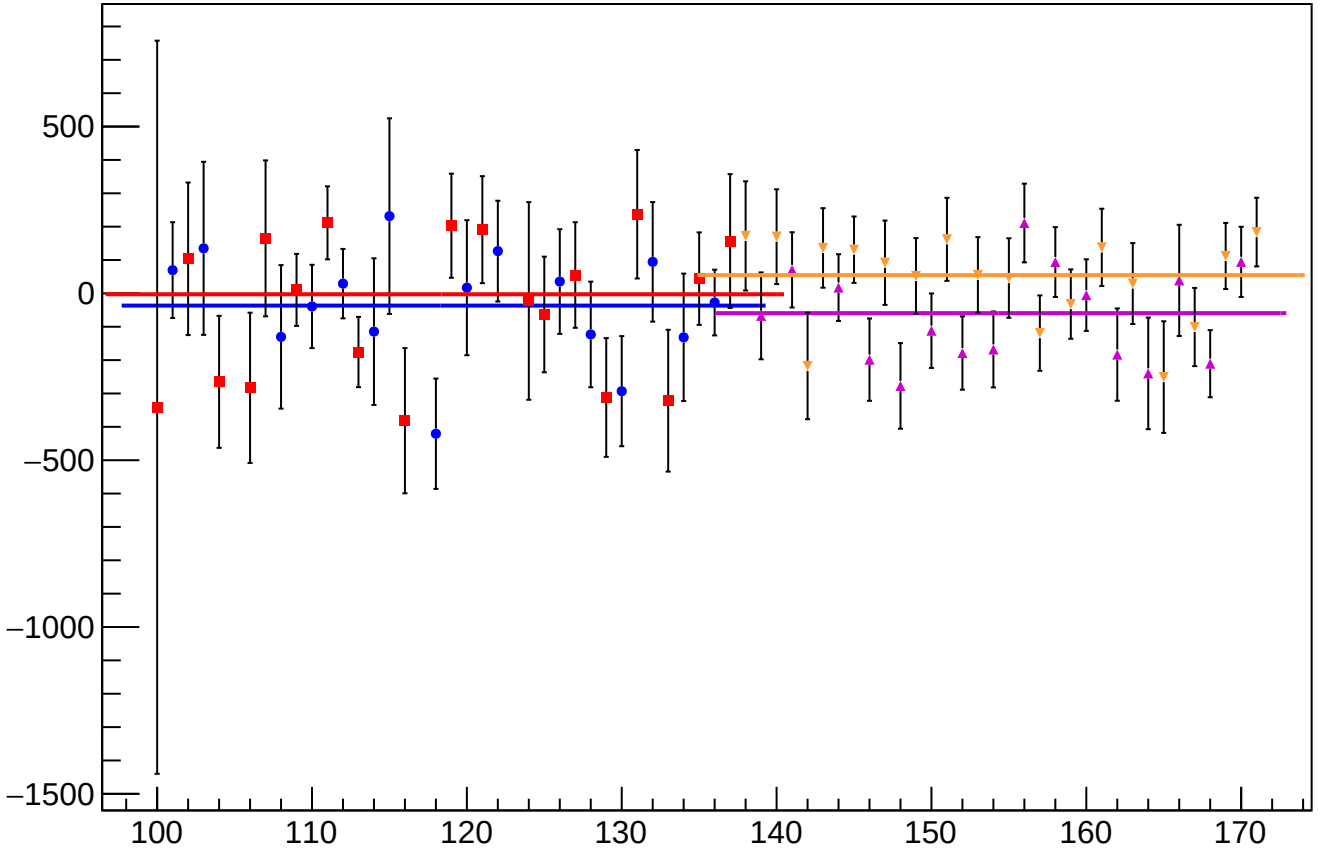
Left In: 814.685+/-0.161 χ^2/NDF:818470.9/15

+ sign 871.185+/-0.138 χ^2/NDF: 2675879.0/33

All: 871.042+/-0.098 χ^2/NDF: 5191930.5/68

- sign 870.894+/-0.140 χ^2/NDF: 2516049.3/34

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.717+/-28.075 χ^2/NDF:16.6/17

Right Out: -2.568+/-38.165 χ^2/NDF: 24.7/18

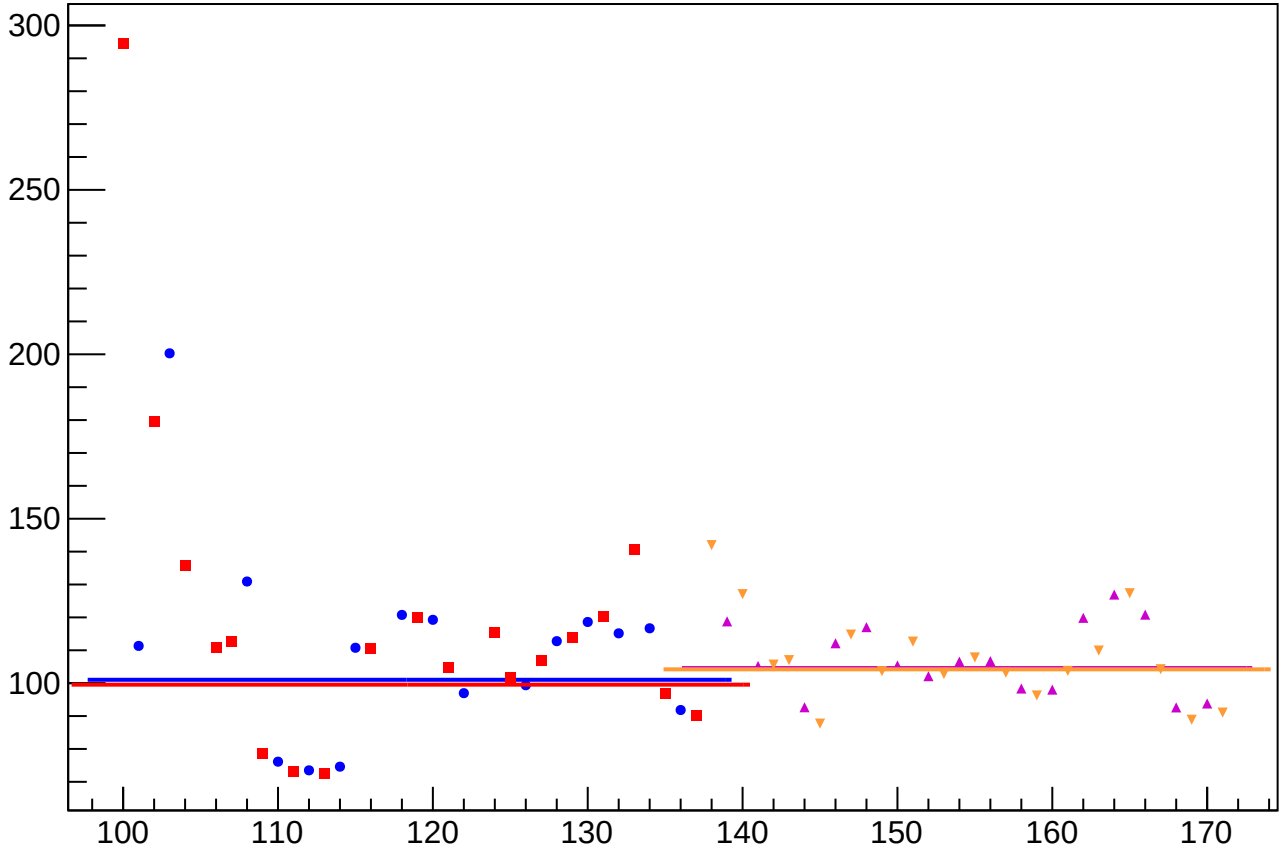
Left In: -59.176+/-29.266 χ^2/NDF:22.8/15

+ sign 23.541+/-22.784 χ^2/NDF: 33.1/33

All: -6.746+/-16.264 χ^2/NDF: 85.6/68

- sign -38.214+/-23.224 χ^2/NDF: 48.9/34

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.205+/-0.020 χ^2/NDF:375102.5/17

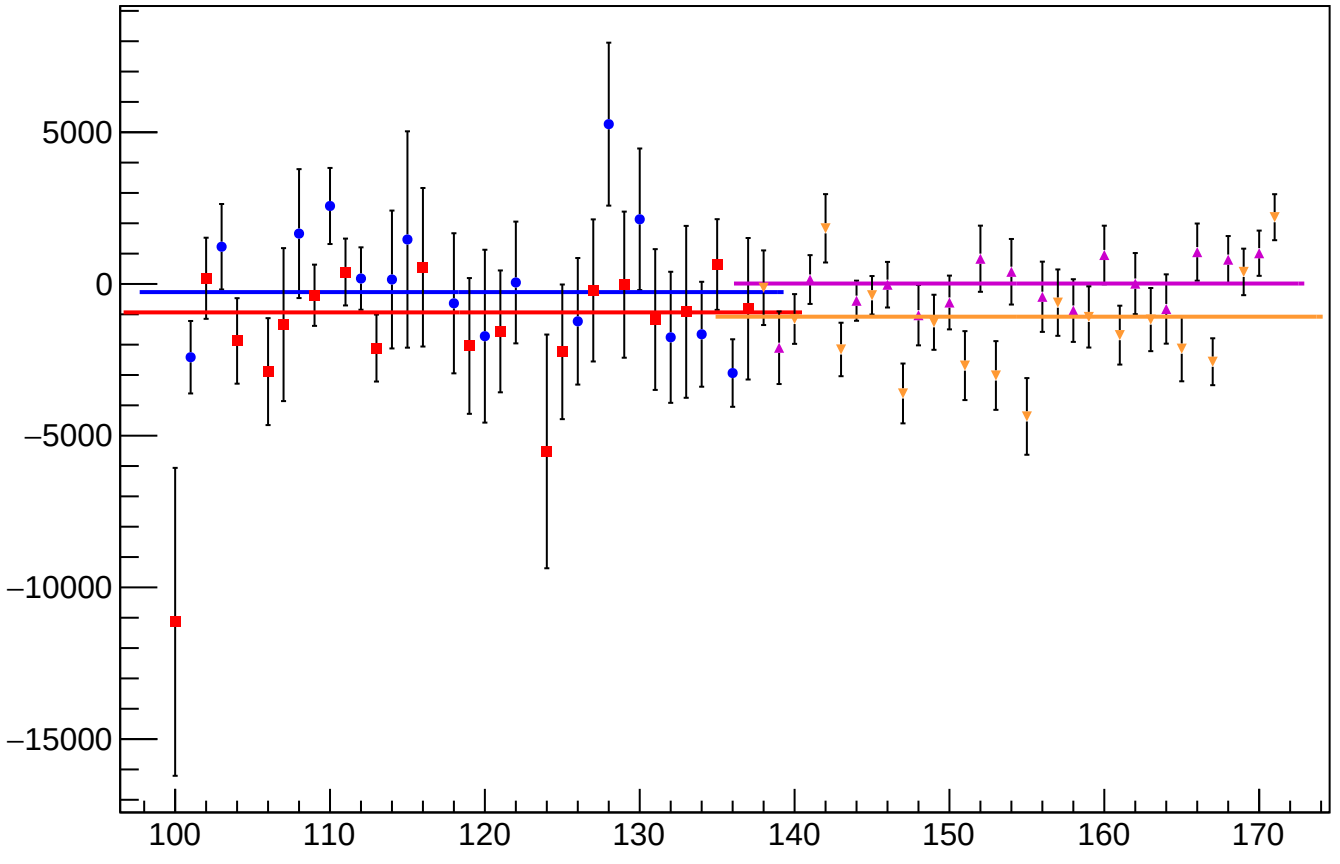
Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.595+/-0.021 χ^2/NDF:223712.7/15

+ sign 103.121+/-0.016 χ^2/NDF: 1099926.5/33

All: 102.927+/-0.012 χ^2/NDF: 2226466.9/68

- sign 102.726+/-0.016 χ^2/NDF: 1126244.8/34



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1078.408+/-218.622 χ^2/NDF:56.0/17

Right Out: -936.734+/-396.234 χ^2/NDF: 13.1/18

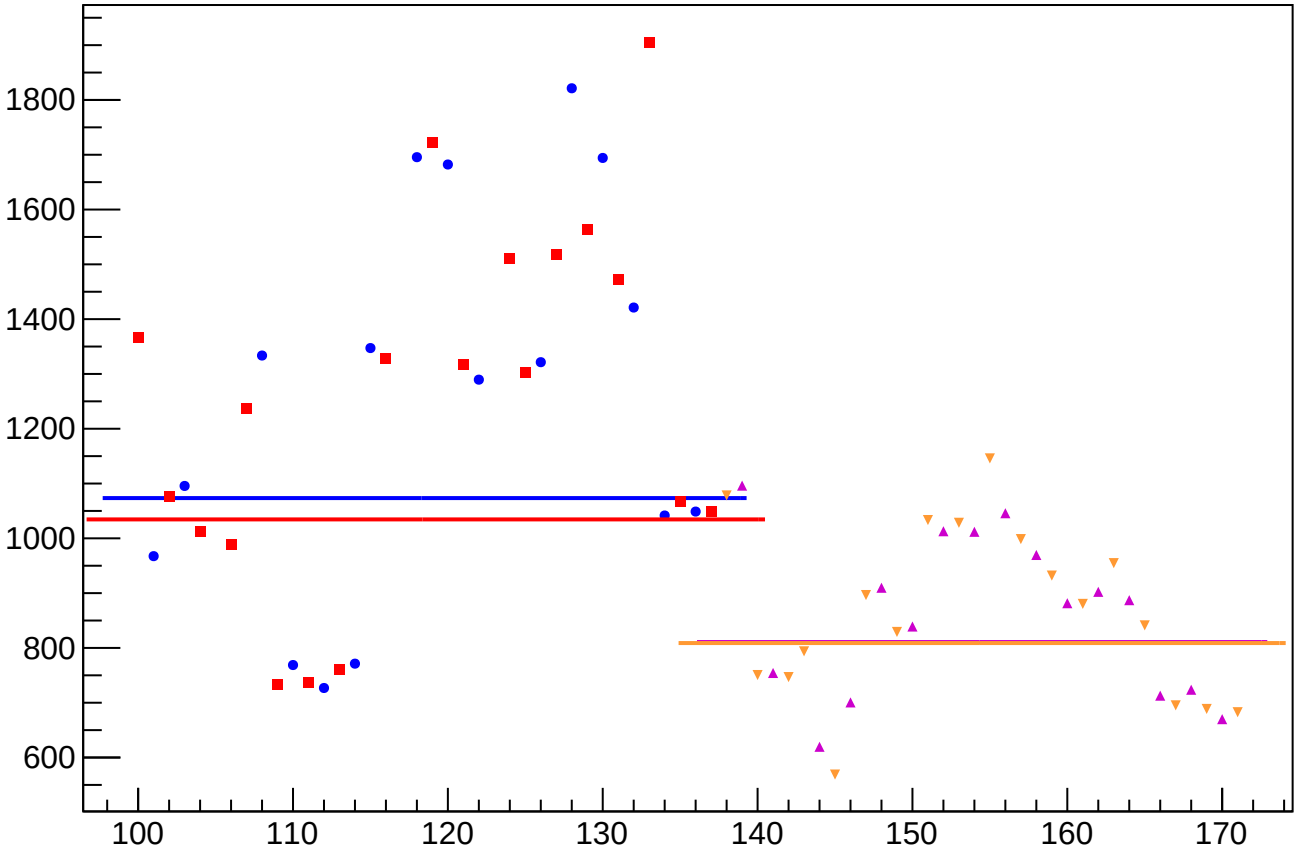
Left In: 14.246+/-227.217 χ^2/NDF:12.6/15

+ sign -903.698+/-193.632 χ^2/NDF: 82.4/33

All: -568.464+/-138.131 χ^2/NDF: 118.6/68

- sign -221.084+/-197.108 χ^2/NDF: 30.1/34

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 808.883+/-0.155 χ^2/NDF:1001483.6/17

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

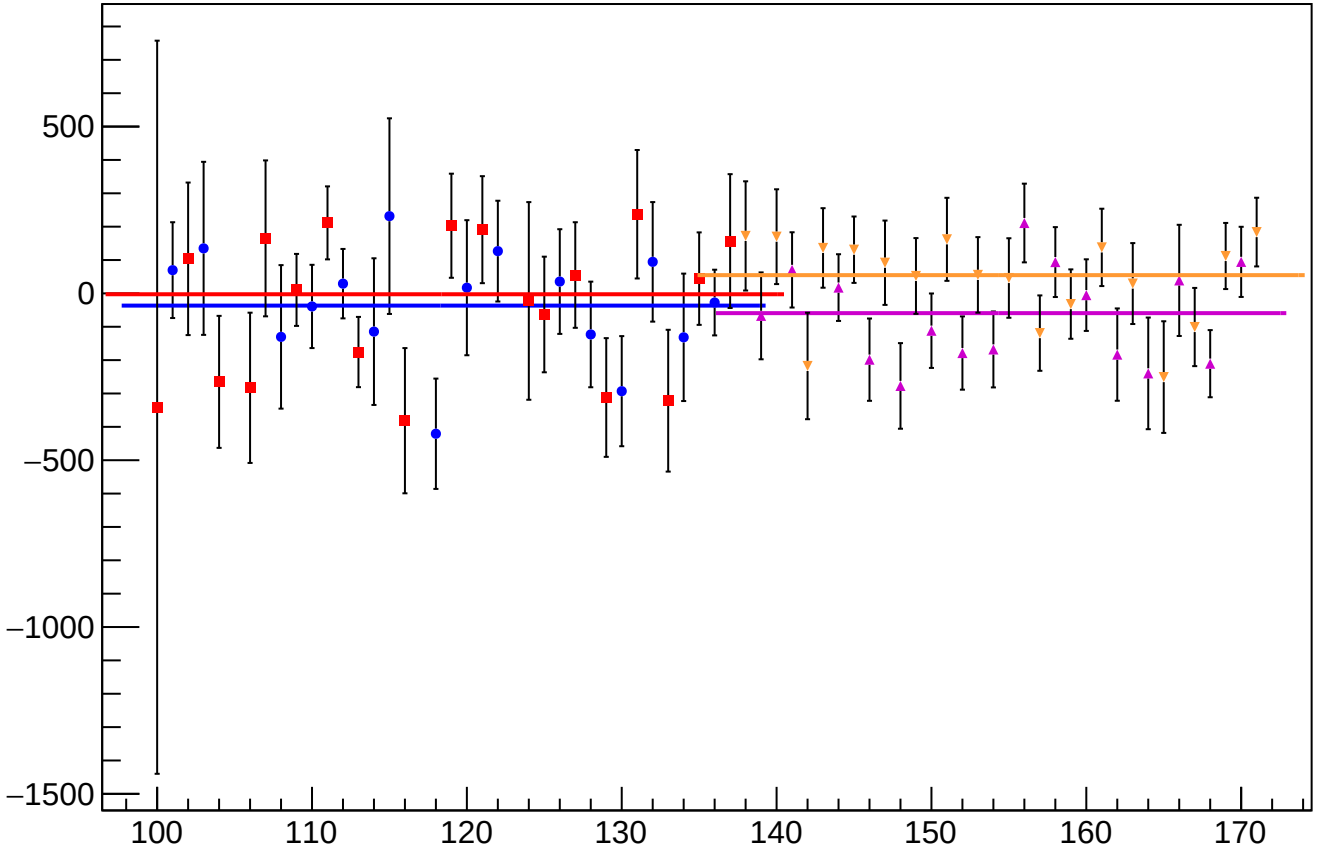
Left In: 810.785+/-0.161 χ^2/NDF:777795.8/15

+ sign 865.912+/-0.137 χ^2/NDF: 2709910.9/33

All: 866.031+/-0.098 χ^2/NDF: 5196987.4/68

- sign 866.154+/-0.139 χ^2/NDF: 2487075.0/34

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.719+/-28.075 χ^2/NDF:16.6/17

Right Out: -2.566+/-38.165 χ^2/NDF: 24.7/18

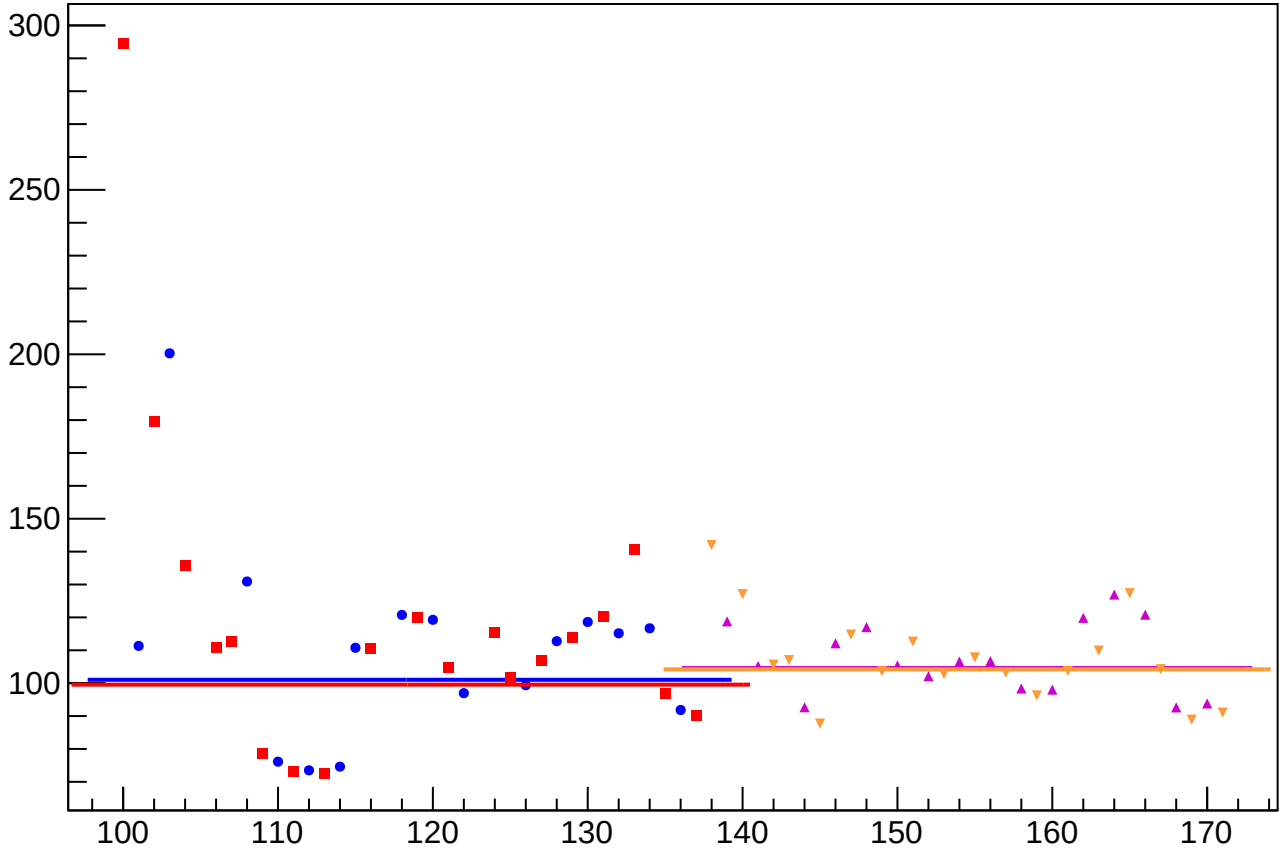
Left In: -59.176+/-29.267 χ^2/NDF:22.8/15

+ sign 23.542+/-22.784 χ^2/NDF: 33.1/33

All: -6.745+/-16.264 χ^2/NDF: 85.6/68

- sign -38.213+/-23.224 χ^2/NDF: 48.9/34

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.206+/-0.020 χ^2/NDF:375099.0/17

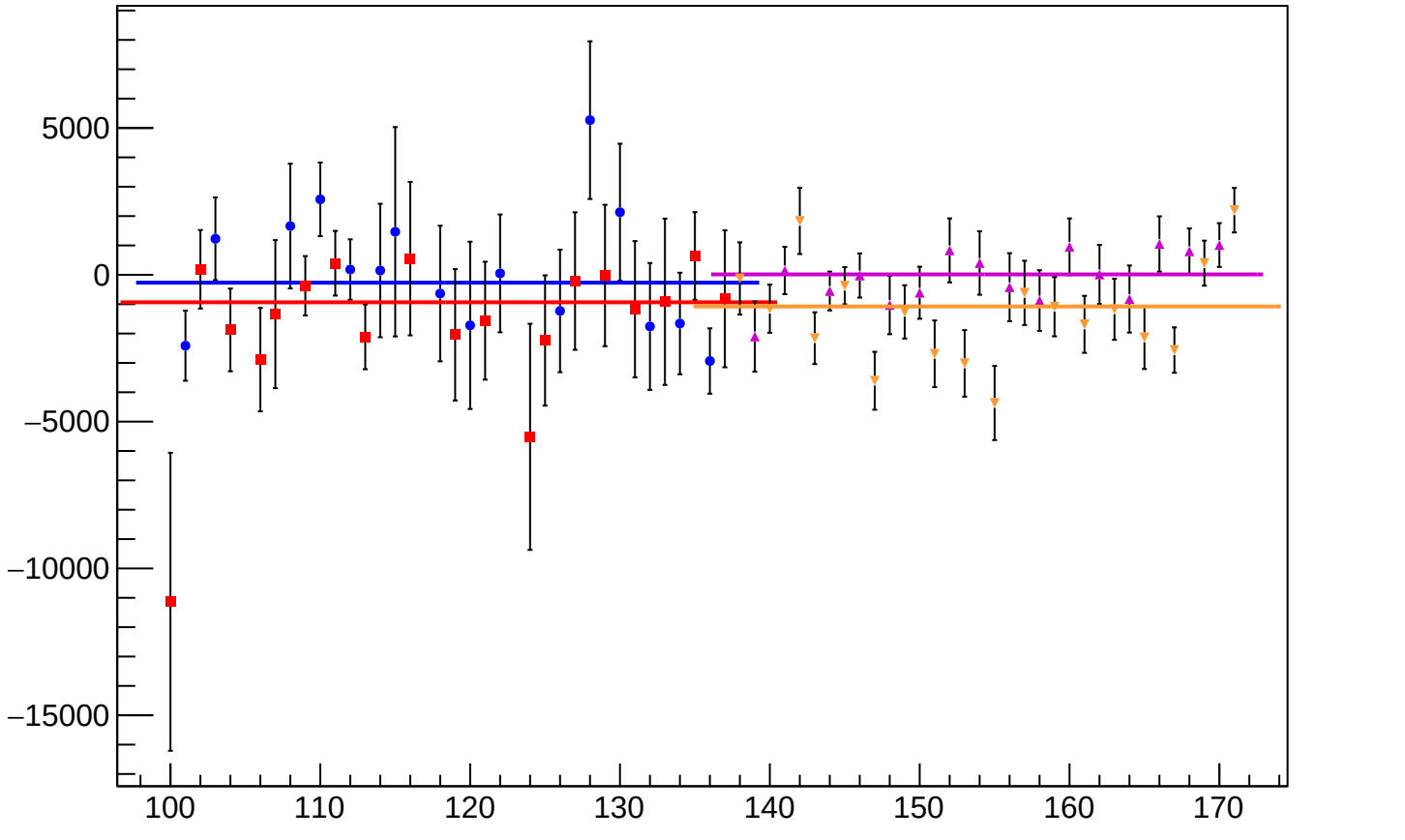
Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.596+/-0.021 χ^2/NDF:223713.1/15

+ sign 103.122+/-0.016 χ^2/NDF: 1099922.9/33

All: 102.928+/-0.012 χ^2/NDF: 2226467.4/68

- sign 102.726+/-0.016 χ^2/NDF: 1126248.8/34



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1078.407+/-218.622 χ^2/NDF:56.0/17

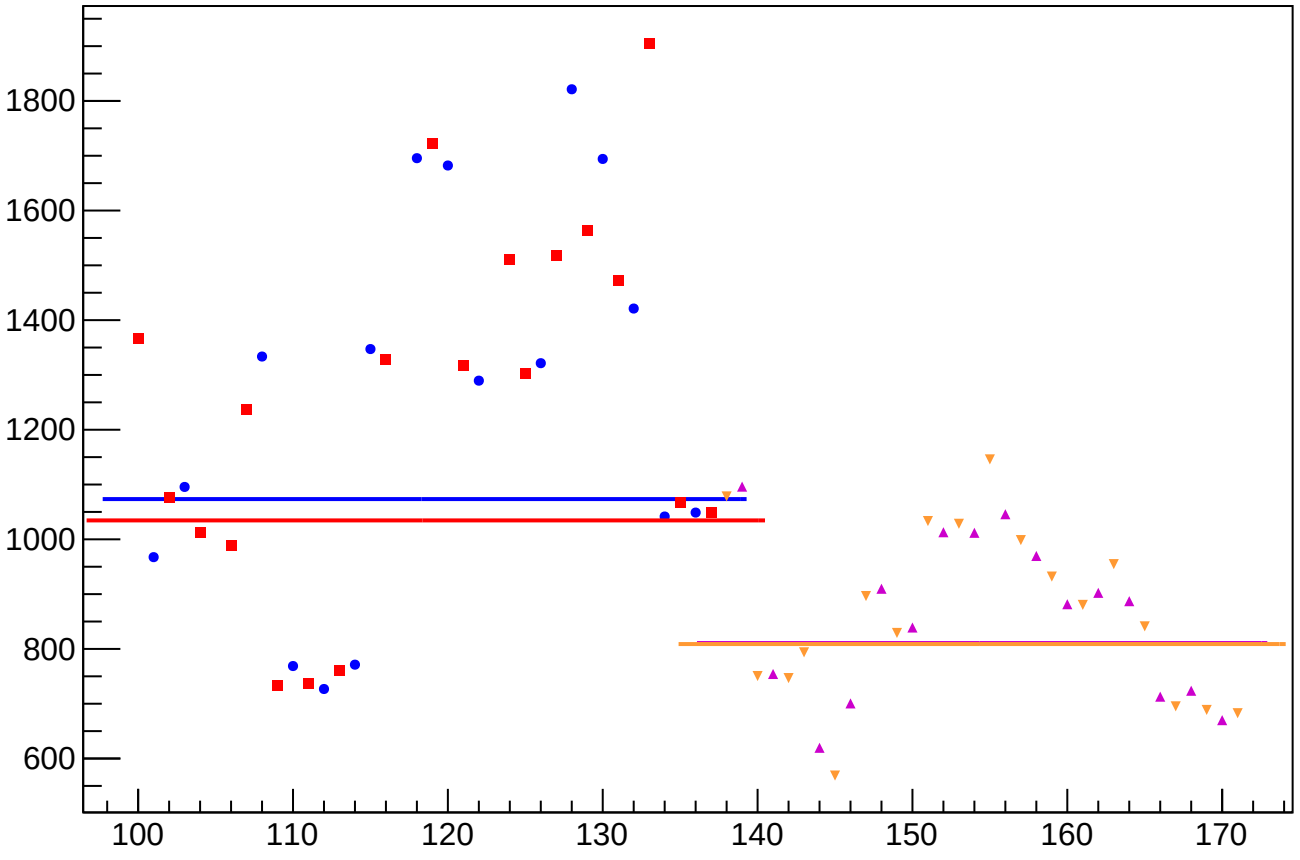
Right Out: -936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 14.247+/-227.217 χ^2/NDF:12.6/15

+ sign -903.697+/-193.631 χ^2/NDF: 82.4/33

All: -568.463+/-138.131 χ^2/NDF: 118.6/68

- sign -221.083+/-197.108 χ^2/NDF: 30.1/34



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 808.881+/-0.155 χ^2/NDF:1001487.6/17

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

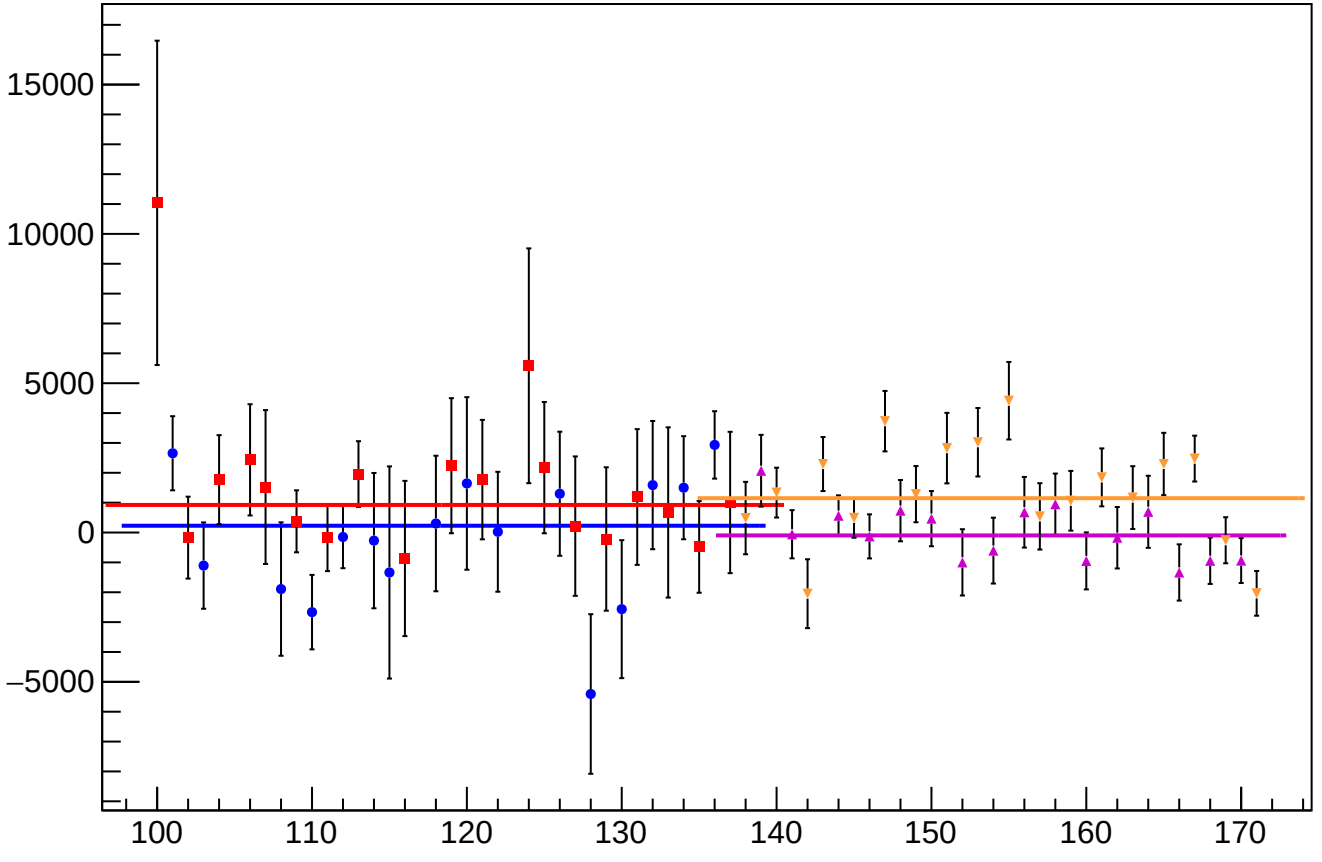
Left In: 810.783+/-0.161 χ^2/NDF:777797.2/15

+ sign 865.911+/-0.137 χ^2/NDF: 2709919.6/33

All: 866.029+/-0.098 χ^2/NDF: 5197000.1/68

- sign 866.153+/-0.139 χ^2/NDF: 2487078.9/34

asym_sam_3748_avg_mean vs Slug



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1149.514+/-221.497 χ^2/NDF:54.6/17

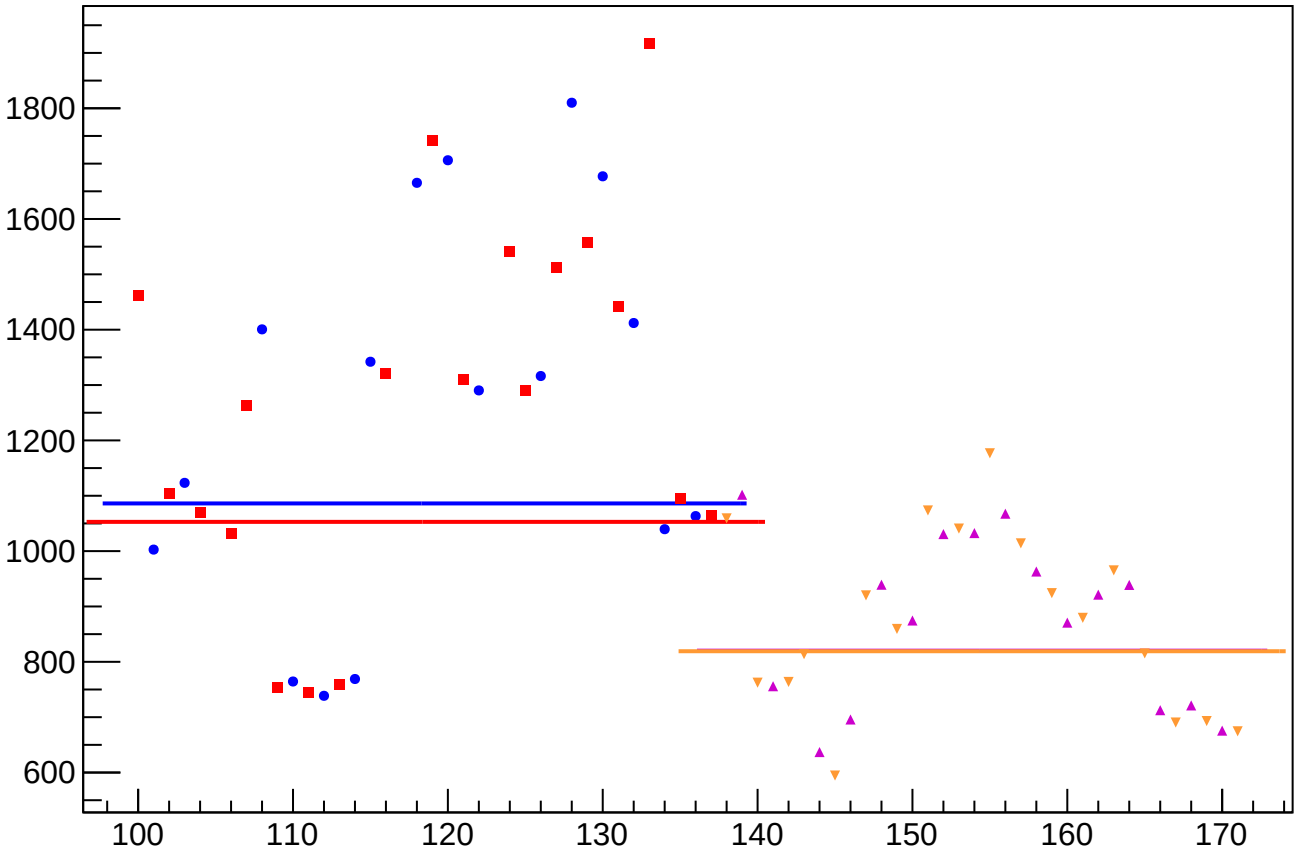
Right Out: 923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -96.667+/-229.871 χ^2/NDF:13.0/15

\+ sign 950.248+/-196.107 χ^2/NDF: 82.8/33

All: 559.180+/-139.916 χ^2/NDF: 119.9/68

\- sign 153.711+/-199.685 χ^2/NDF: 29.0/34



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 819.134+/-0.157 χ^2/NDF:977596.8/17

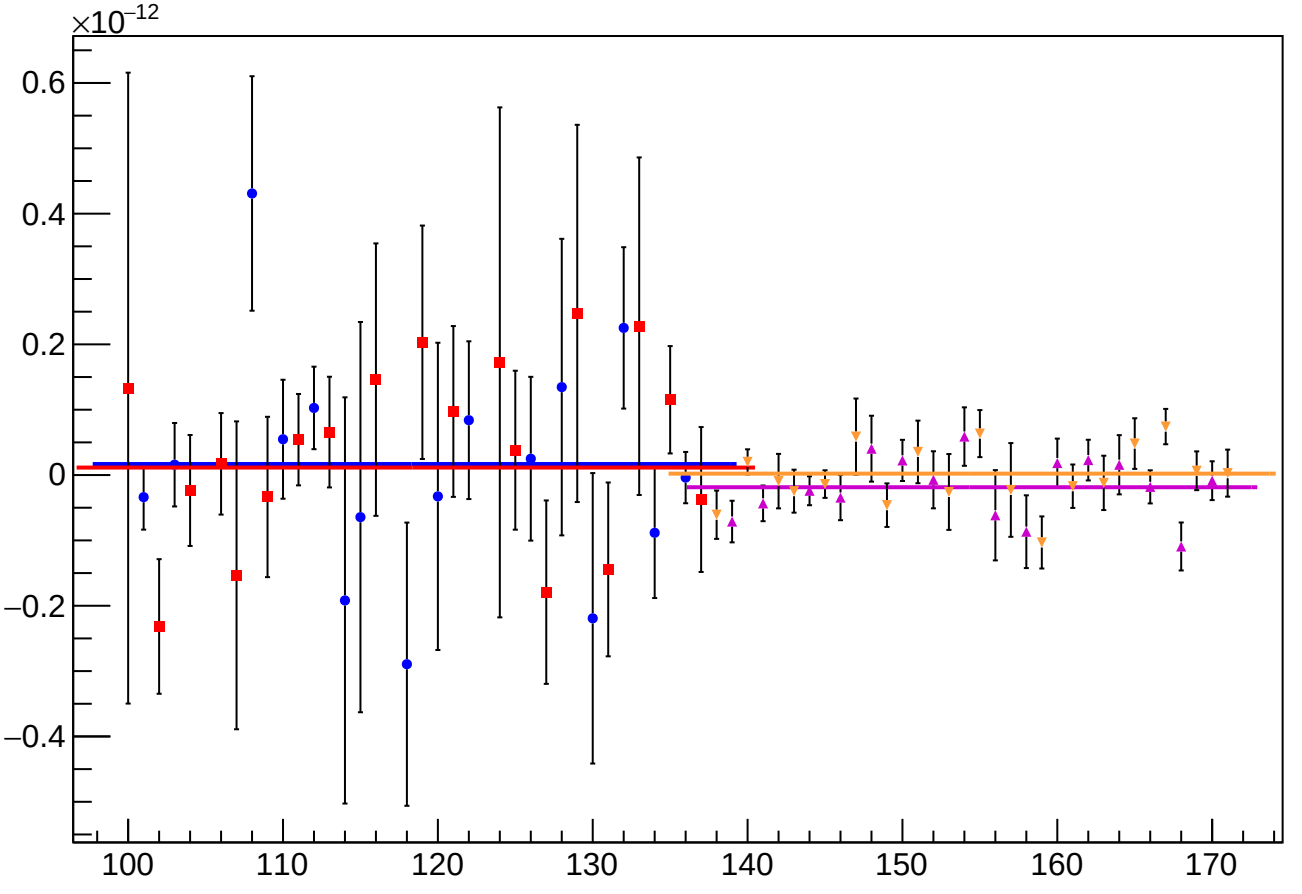
Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 820.156+/-0.163 χ^2/NDF:807374.6/15

\+ sign 876.839+/-0.139 χ^2/NDF: 2653165.4/33

All: 877.042+/-0.099 χ^2/NDF: 5157792.0/68

\- sign 877.253+/-0.141 χ^2/NDF: 2504622.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/17

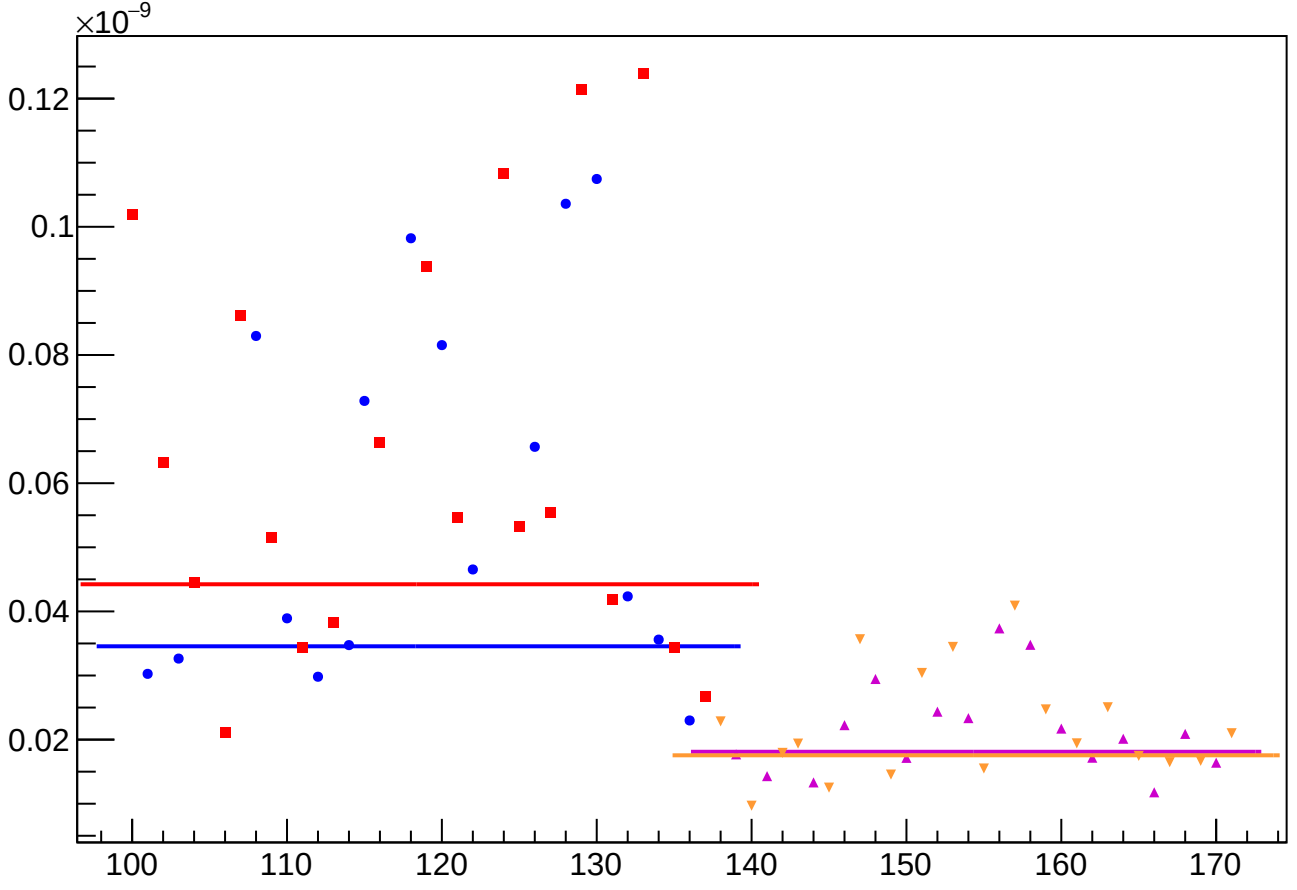
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 45.1/33

All: -0.000+/-0.000 χ^2/NDF: 86.7/68

- sign -0.000+/-0.000 χ^2/NDF: 38.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397348.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

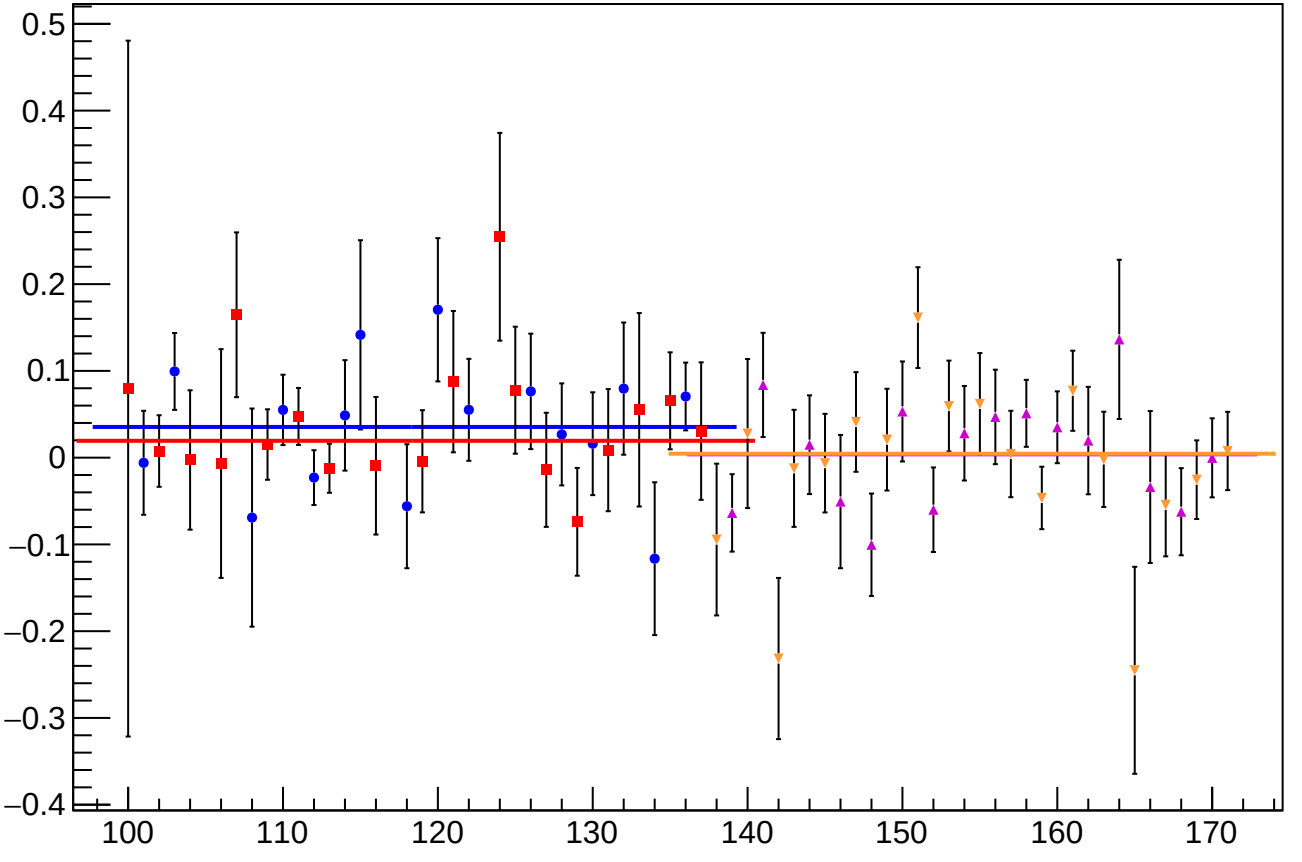
Left In: 0.000+/-0.000 χ^2/NDF:835266.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 3660891.4/33

All: 0.000+/-0.000 χ^2/NDF: 7301304.0/68

- sign 0.000+/-0.000 χ^2/NDF: 3624908.6/34

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: 0.005+/-0.013 χ^2/NDF:28.0/17

Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

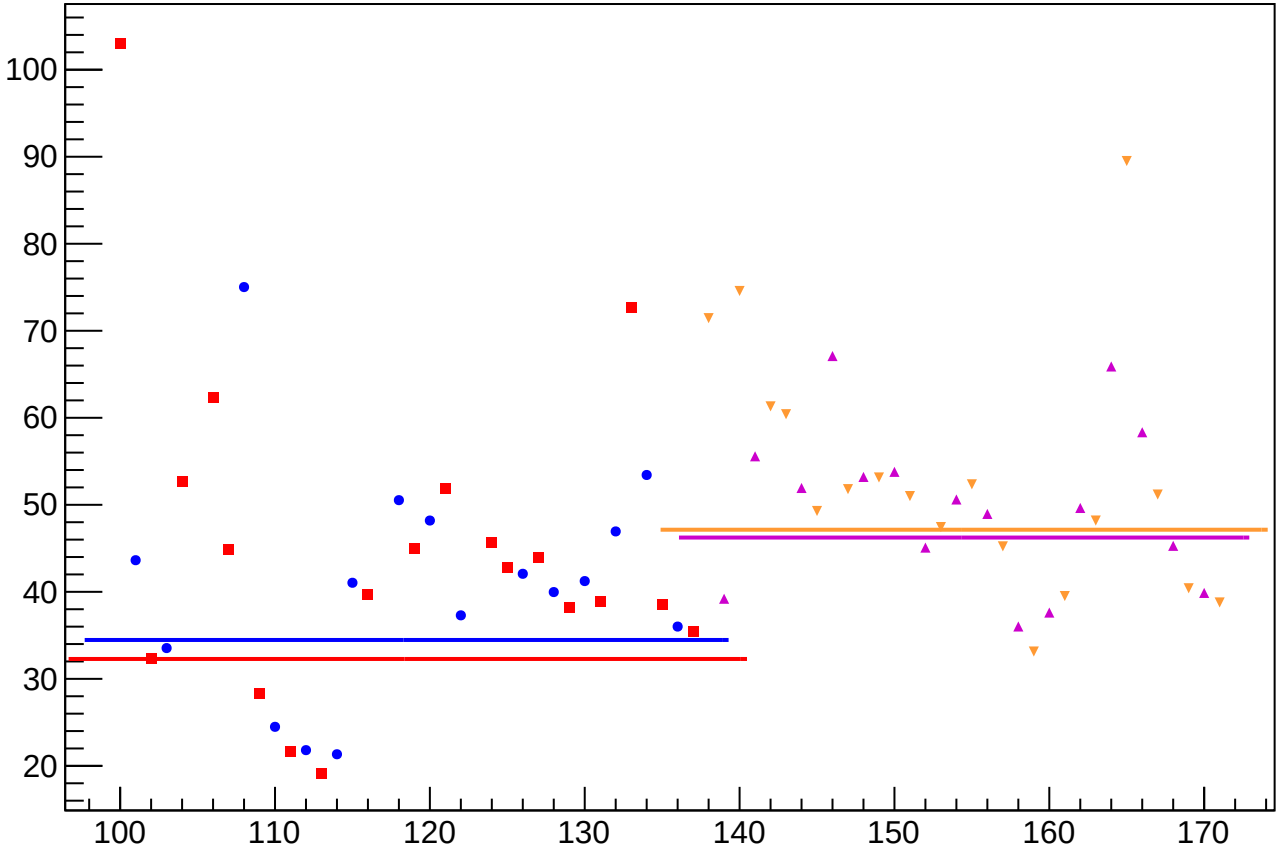
Left In: 0.004+/-0.013 χ^2/NDF:17.1/15

+ sign 0.019+/-0.010 χ^2/NDF: 47.6/33

All: 0.015+/-0.007 χ^2/NDF: 79.1/68

- sign 0.012+/-0.009 χ^2/NDF: 31.2/34

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.138+/-0.009 χ^2/NDF:1279158.4/17

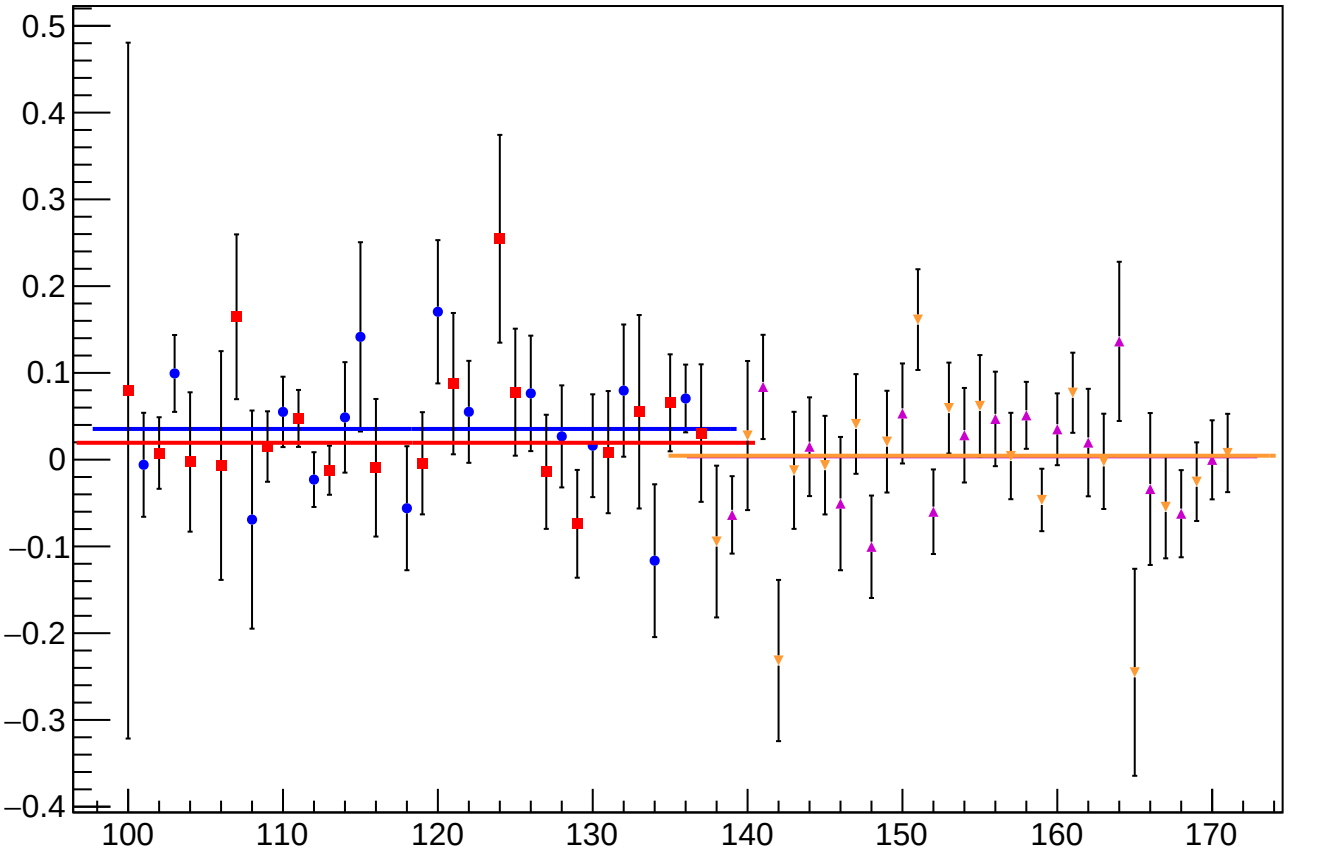
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.237+/-0.009 χ^2/NDF:749285.0/15

+ sign 41.141+/-0.007 χ^2/NDF: 3326629.1/33

All: 40.112+/-0.005 χ^2/NDF: 6902144.1/68

- sign 39.124+/-0.007 χ^2/NDF: 3530100.6/34



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

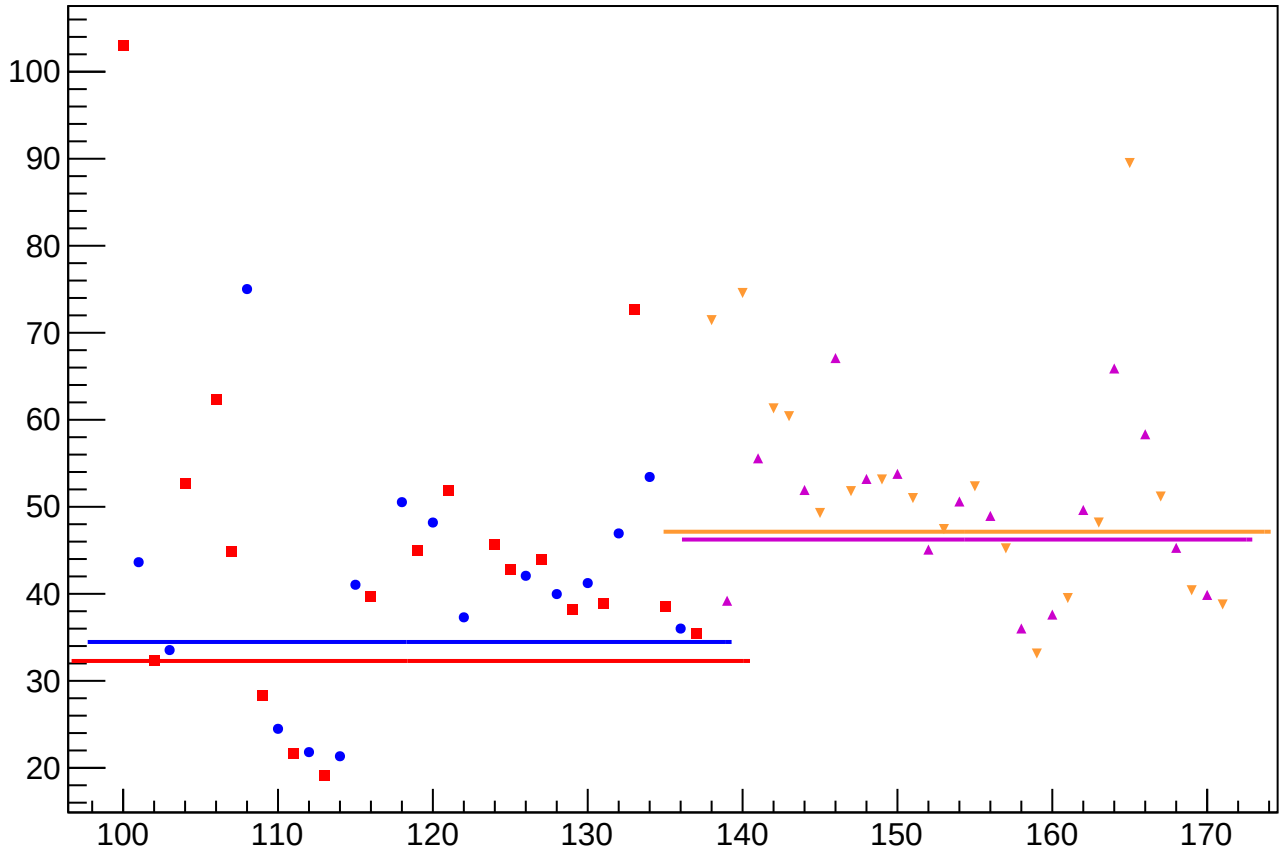
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.013 χ^2/NDF:17.1/15

+ sign 0.019+/-0.010 χ^2/NDF: 47.6/33

All: 0.015+/-0.007 χ^2/NDF: 79.1/68

- sign 0.012+/-0.009 χ^2/NDF: 31.2/34



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.138+/-0.009 χ^2/NDF:1279158.4/17

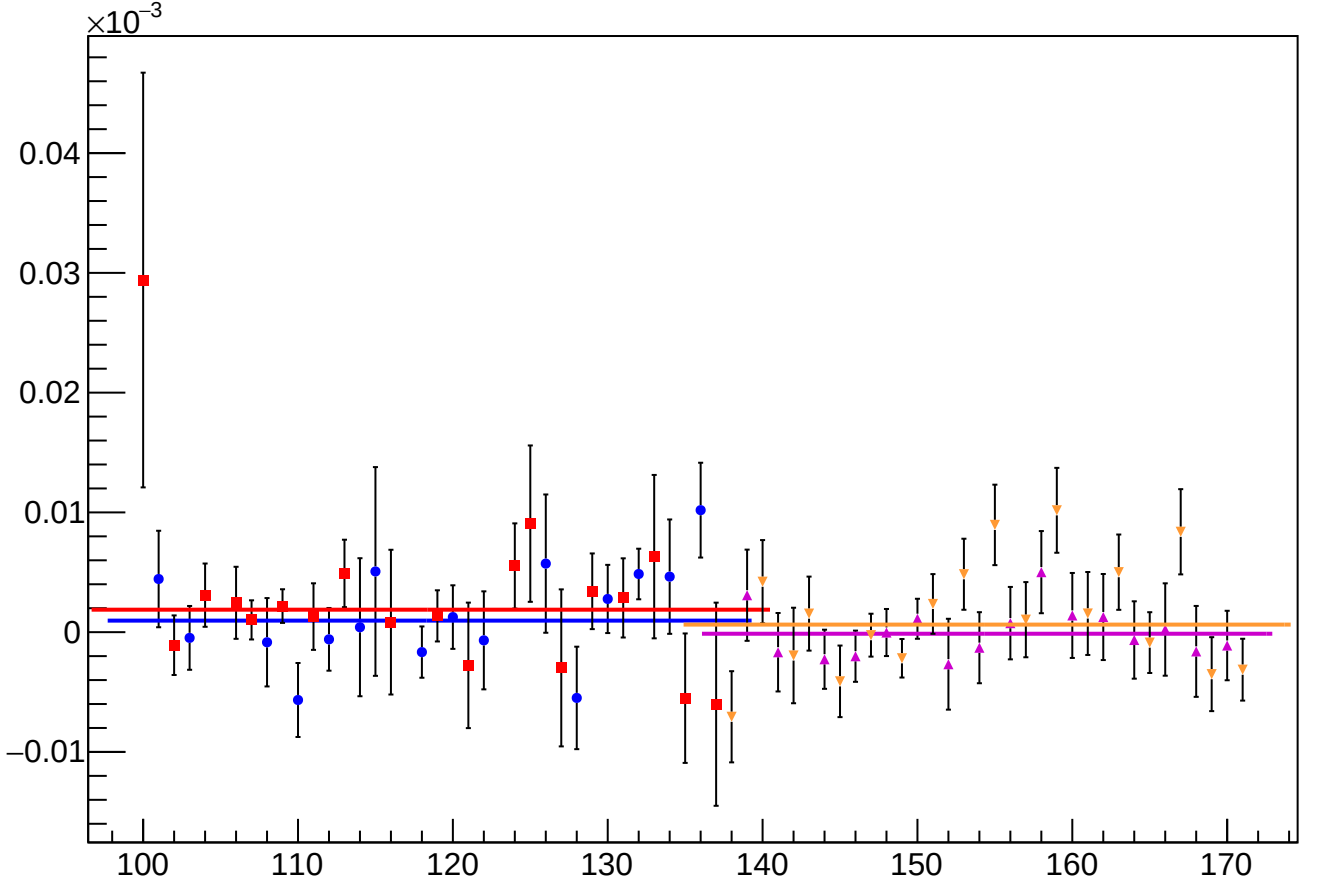
Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.237+/-0.009 χ^2/NDF:749285.0/15

+ sign 41.141+/-0.007 χ^2/NDF: 3326629.1/33

All: 40.112+/-0.005 χ^2/NDF: 6902144.1/68

- sign 39.124+/-0.007 χ^2/NDF: 3530100.6/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.4/17

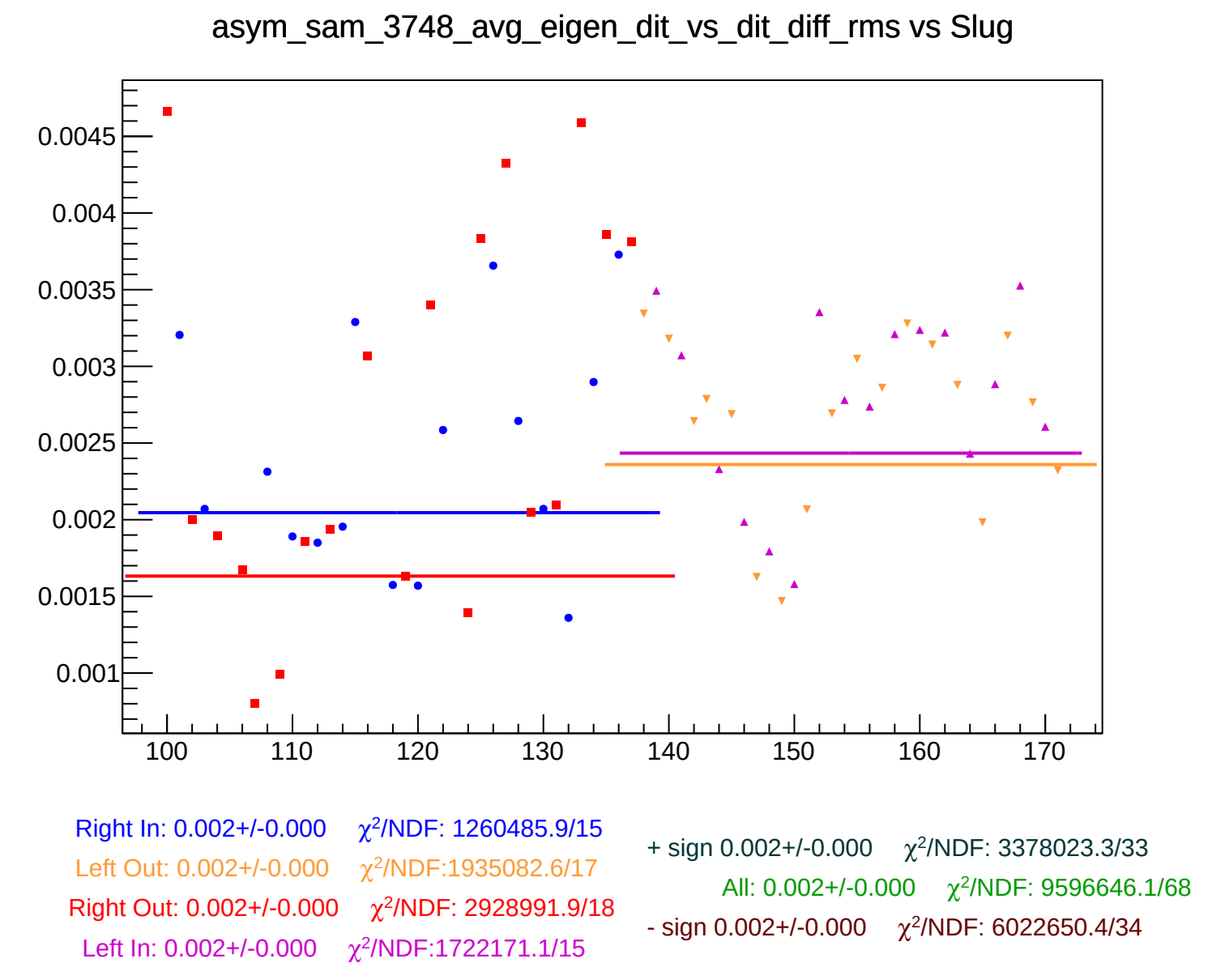
Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 59.4/33

All: 0.000+/-0.000 χ^2/NDF: 83.2/68

- sign 0.000+/-0.000 χ^2/NDF: 23.8/34


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug
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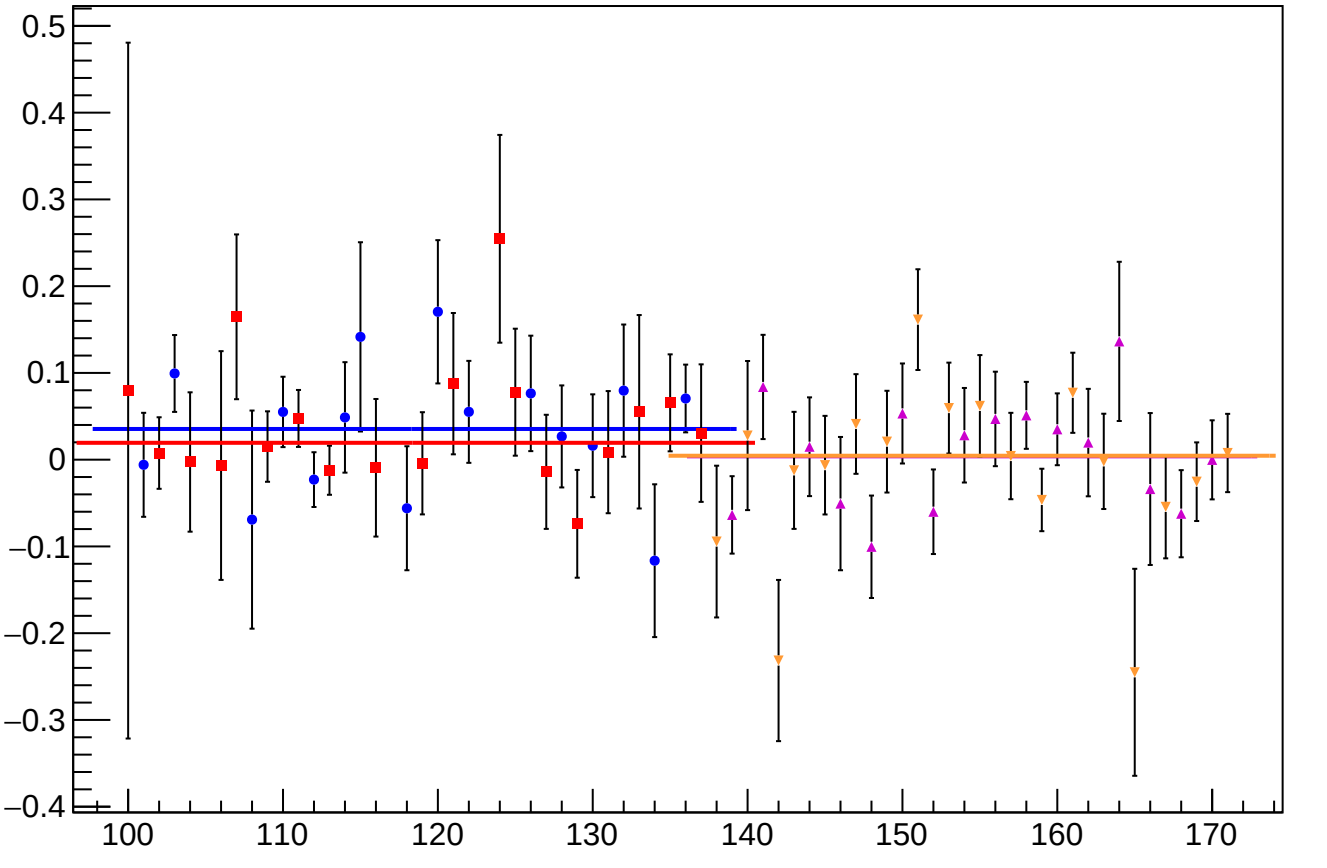
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1935082.6/17
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1722171.1/15
+ sign 0.002+/-0.000 χ²/NDF: 3378023.3/33
All: 0.002+/-0.000 χ²/NDF: 9596646.1/68
- sign 0.002+/-0.000 χ²/NDF: 6022650.4/34



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

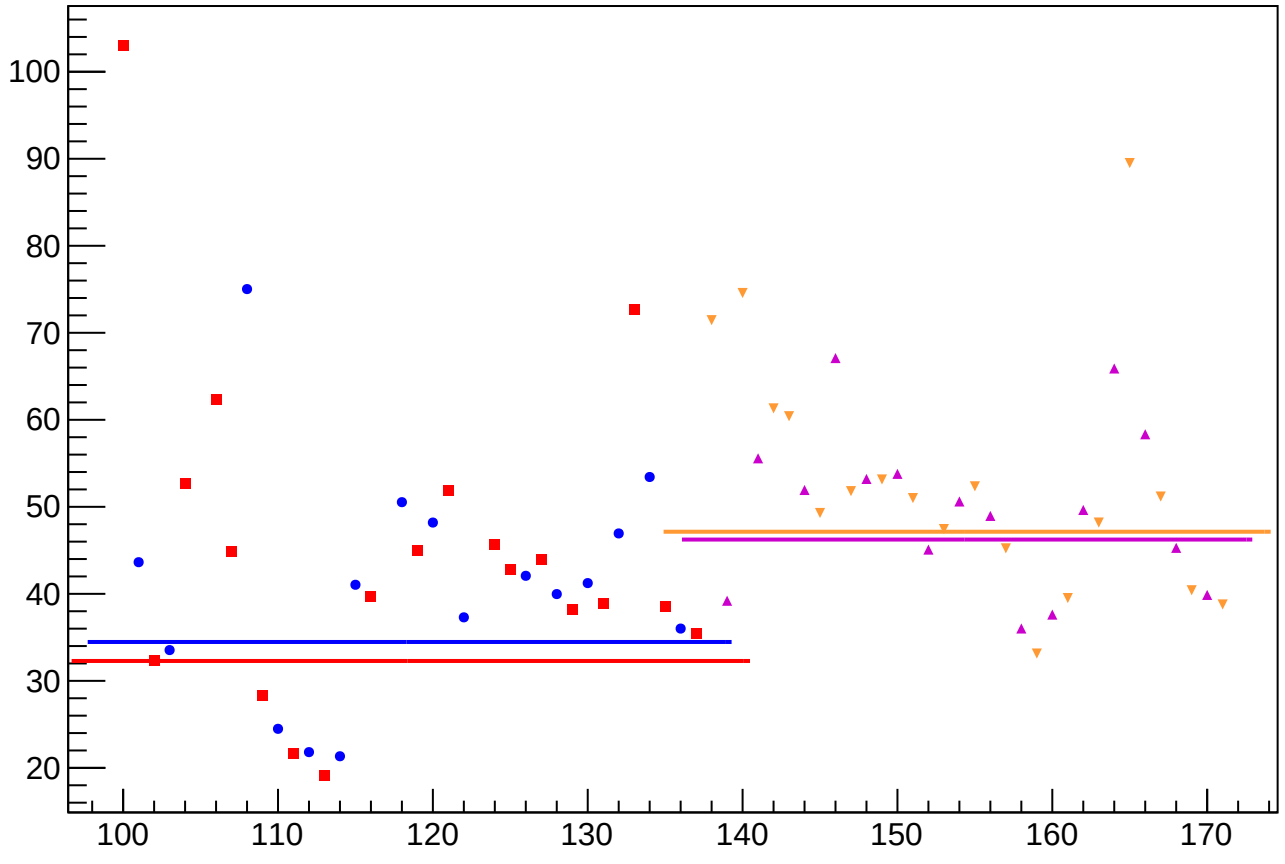
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.013 χ^2/NDF:17.1/15

+ sign 0.019+/-0.010 χ^2/NDF: 47.6/33

All: 0.015+/-0.007 χ^2/NDF: 79.1/68

- sign 0.012+/-0.009 χ^2/NDF: 31.2/34



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.139+/-0.009 χ^2/NDF:1279170.5/17

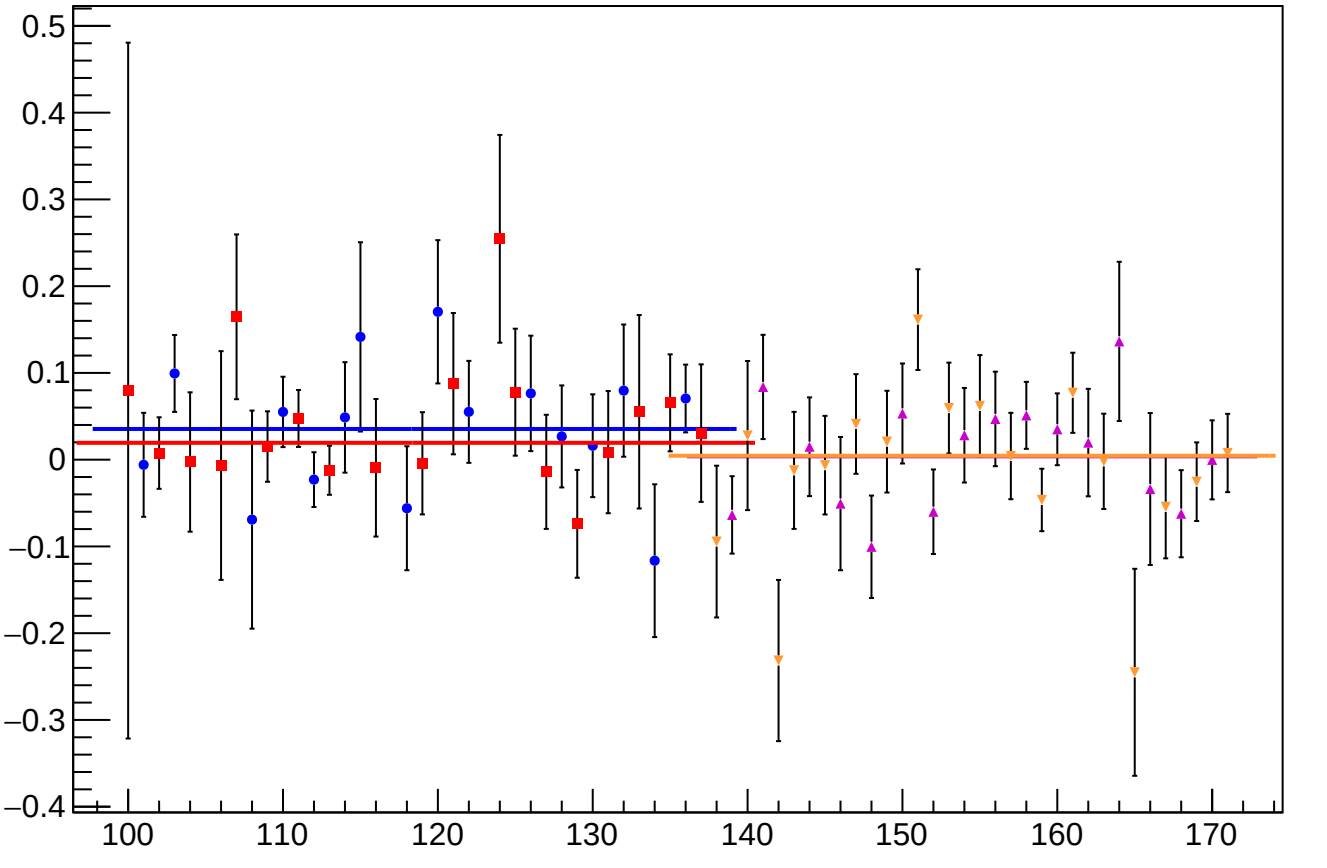
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.238+/-0.009 χ^2/NDF:749319.6/15

+ sign 41.141+/-0.007 χ^2/NDF: 3326613.6/33

All: 40.113+/-0.005 χ^2/NDF: 6902134.1/68

- sign 39.124+/-0.007 χ^2/NDF: 3530106.5/34



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

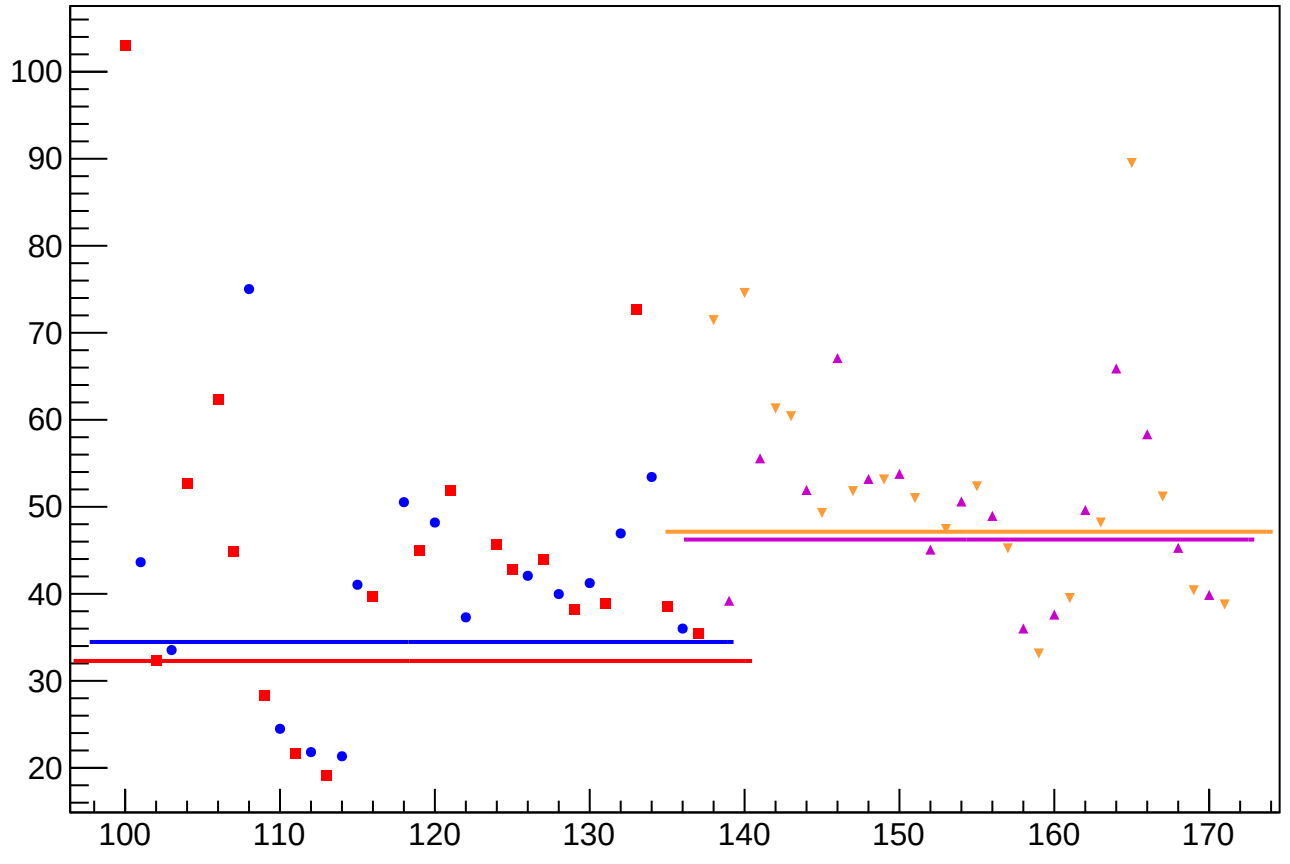
Right Out: 0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.004+/-0.013 χ^2/NDF:17.1/15

+ sign 0.019+/-0.010 χ^2/NDF: 47.6/33

All: 0.015+/-0.007 χ^2/NDF: 79.1/68

- sign 0.012+/-0.009 χ^2/NDF: 31.2/34



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.139+/-0.009 χ^2/NDF:1279170.5/17

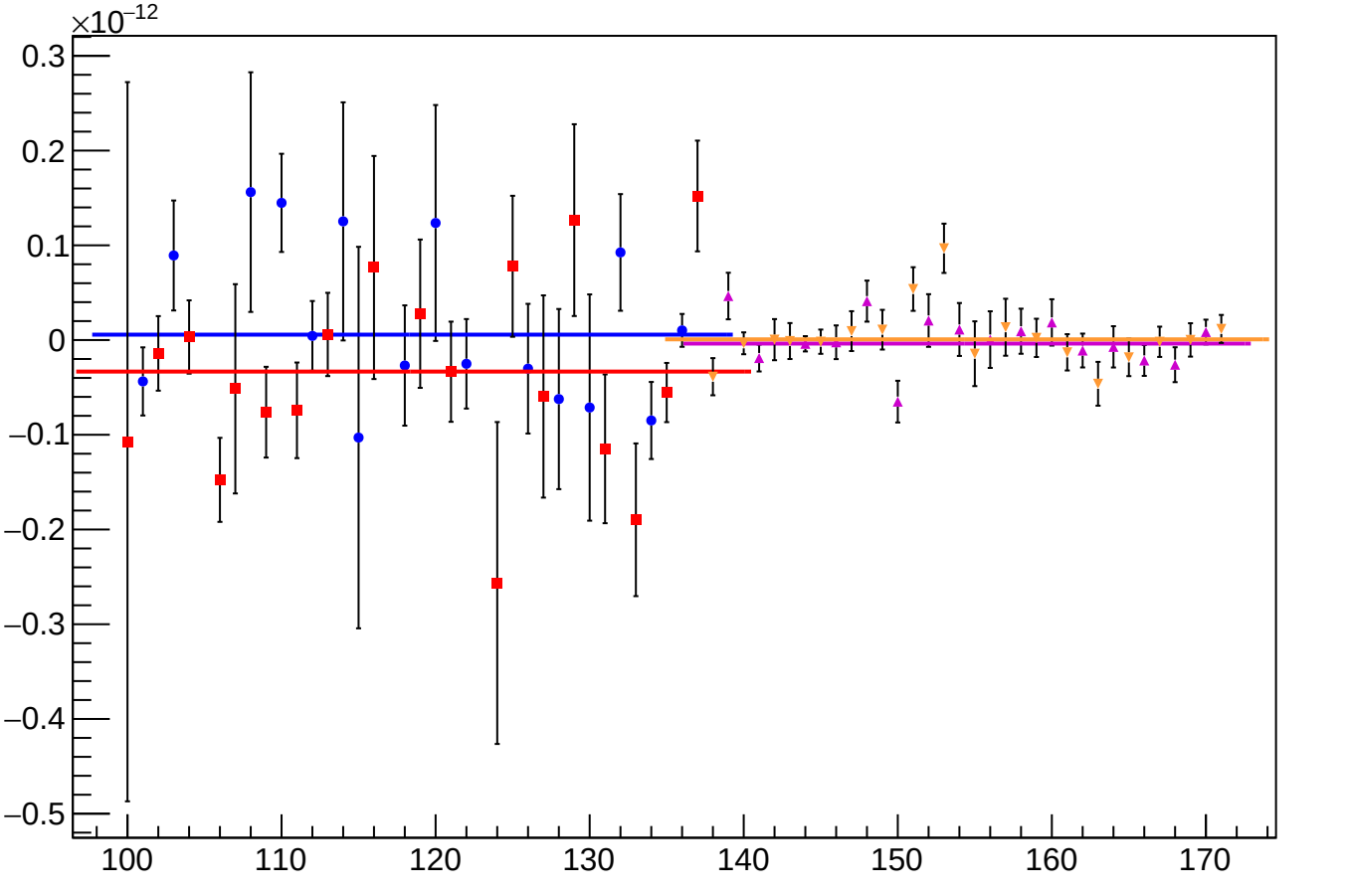
Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.238+/-0.009 χ^2/NDF:749319.6/15

+ sign 41.141+/-0.007 χ^2/NDF: 3326613.6/33

All: 40.113+/-0.005 χ^2/NDF: 6902134.1/68

- sign 39.124+/-0.007 χ^2/NDF: 3530106.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/17

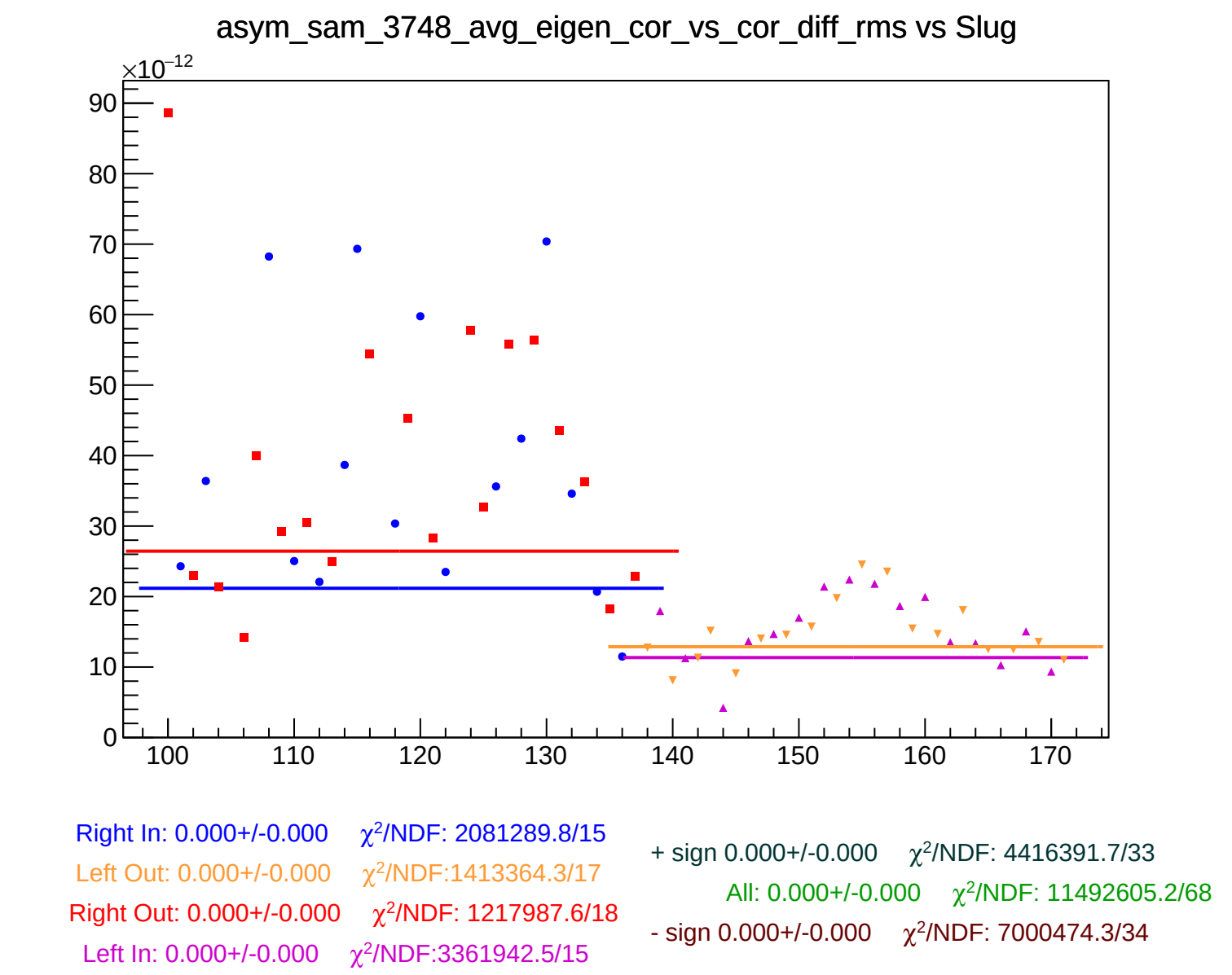
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/15

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/33

All: -0.000+/-0.000 χ^2/NDF: 117.2/68

- sign -0.000+/-0.000 χ^2/NDF: 61.4/34


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
90
80
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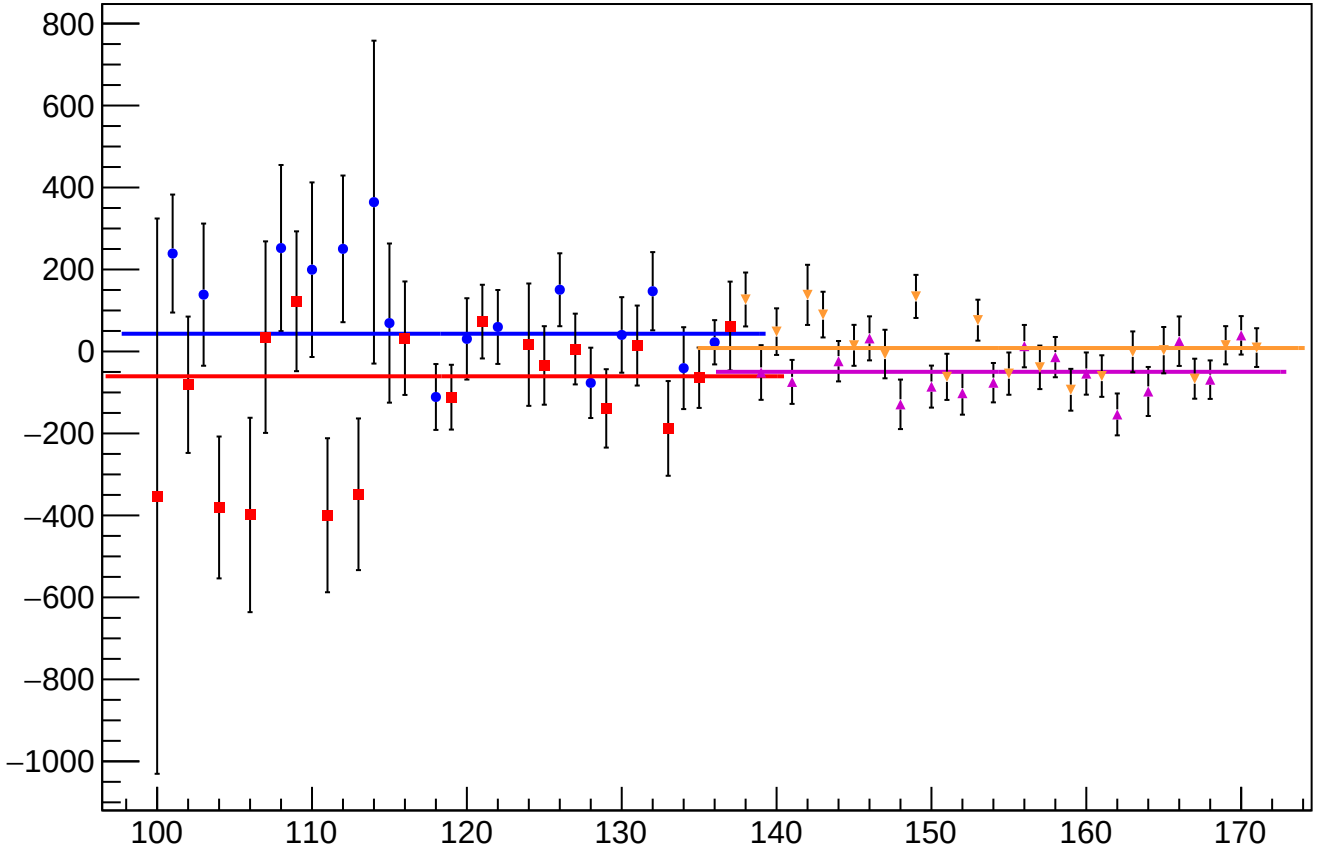
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1413364.3/17
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3361942.5/15
+ sign 0.000+/-0.000 χ²/NDF: 4416391.7/33
All: 0.000+/-0.000 χ²/NDF: 11492605.2/68
- sign 0.000+/-0.000 χ²/NDF: 7000474.3/34

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.385+/-12.538 χ^2/NDF:28.7/17

Right Out: -60.582+/-26.894 χ^2/NDF: 20.4/18

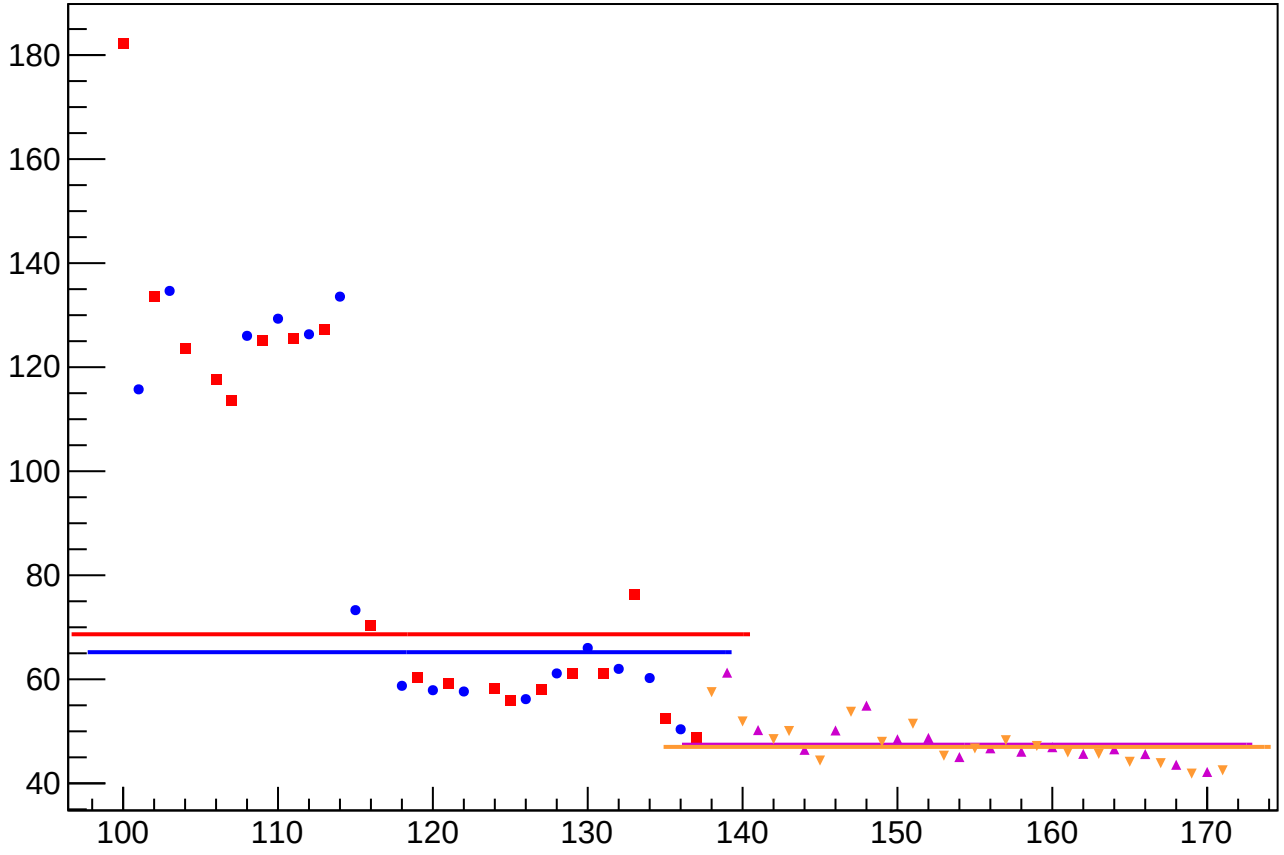
Left In: -49.676+/-13.142 χ^2/NDF:18.4/15

+ sign 15.053+/-11.275 χ^2/NDF: 45.1/33

All: -16.823+/-8.155 χ^2/NDF: 100.8/68

- sign -51.778+/-11.808 χ^2/NDF: 38.9/34

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.5/17

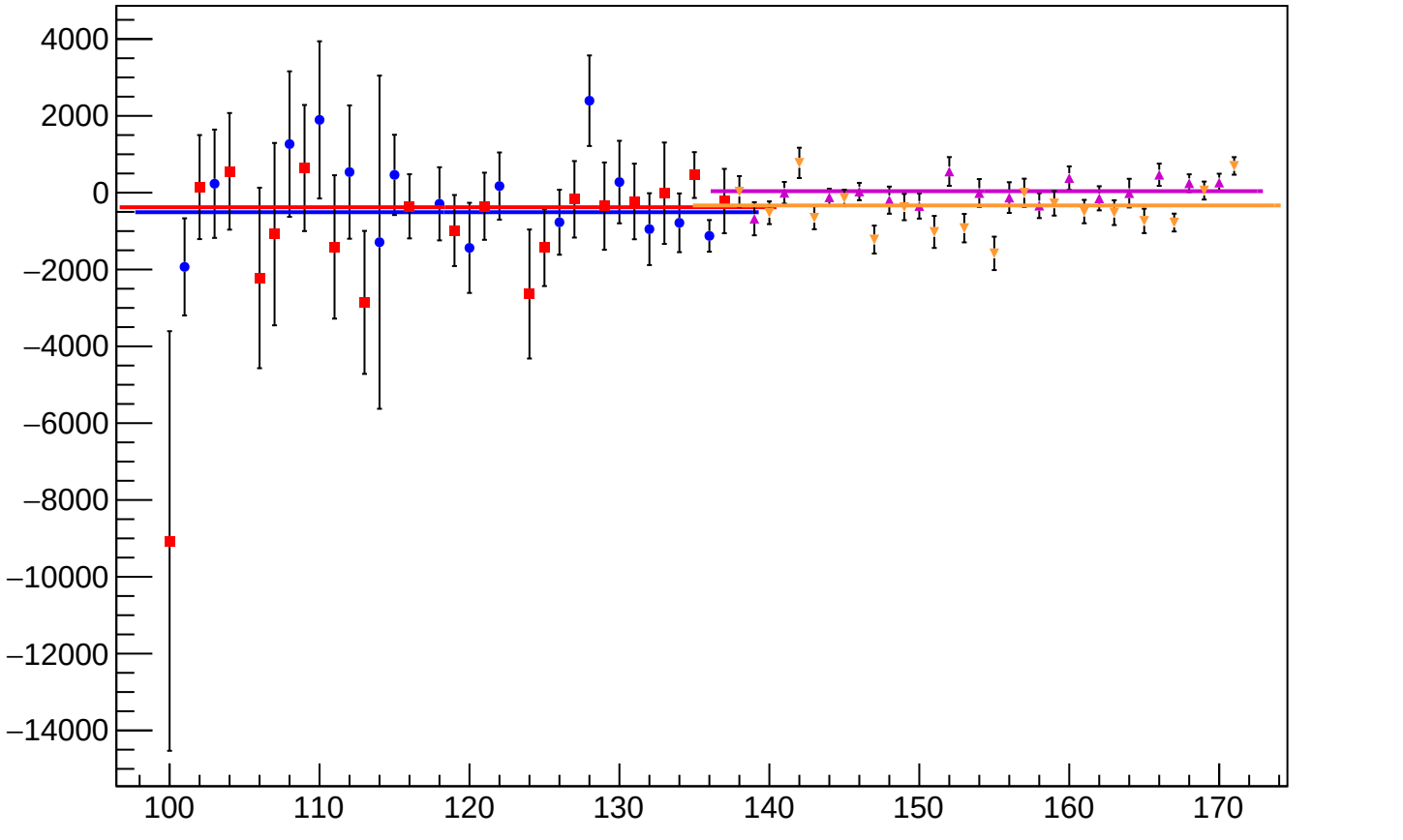
Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.432+/-0.009 χ^2/NDF:180530.4/15

+ sign 50.489+/-0.008 χ^2/NDF: 2432324.8/33

All: 50.982+/-0.006 χ^2/NDF: 5267304.5/68

- sign 51.523+/-0.008 χ^2/NDF: 2826958.1/34



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -332.564+/-71.582 χ^2/NDF:60.3/17

Right Out: -378.892+/-256.407 χ^2/NDF: 11.7/18

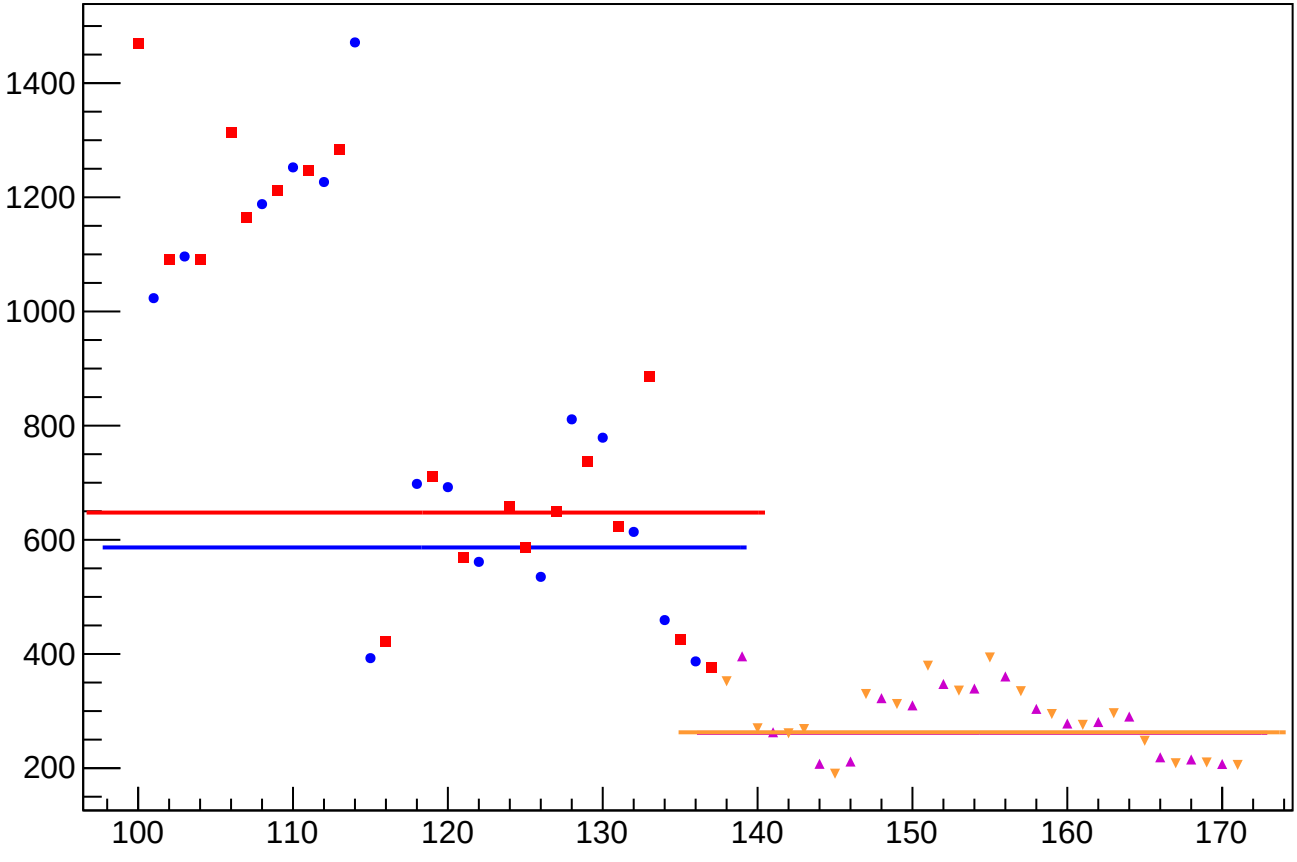
Left In: 39.509+/-73.939 χ^2/NDF:14.1/15

+ sign -347.230+/-68.523 χ^2/NDF: 76.5/33

All: -176.324+/-49.320 χ^2/NDF: 117.6/68

- sign 7.388+/-71.044 χ^2/NDF: 28.3/34

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320839.6/17

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

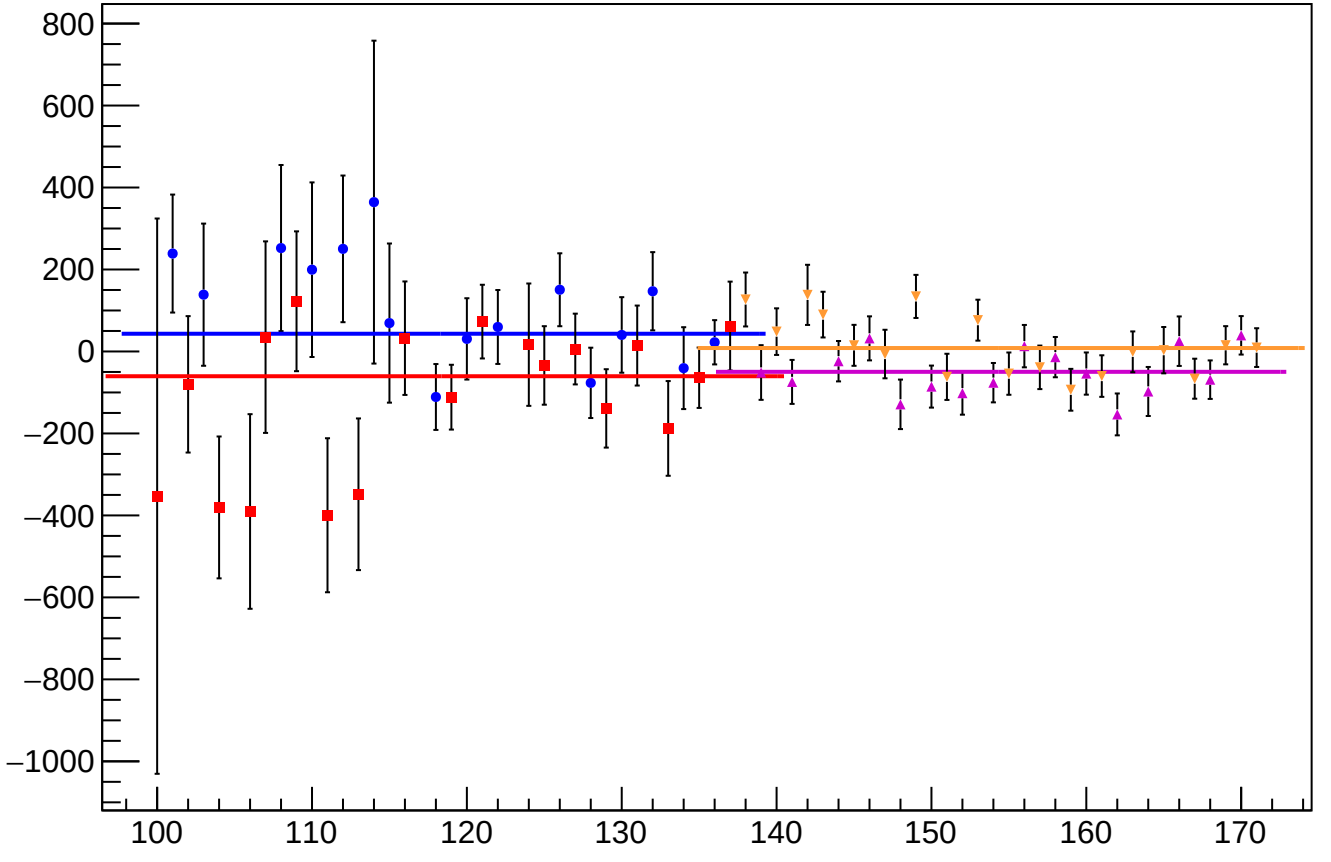
Left In: 261.802+/-0.052 χ^2/NDF:1125826.6/15

+ sign 289.898+/-0.048 χ^2/NDF: 6797236.2/33

All: 290.637+/-0.035 χ^2/NDF: 14212344.4/68

- sign 291.431+/-0.050 χ^2/NDF: 7414625.7/34

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.386+/-12.538 χ^2/NDF:28.7/17

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

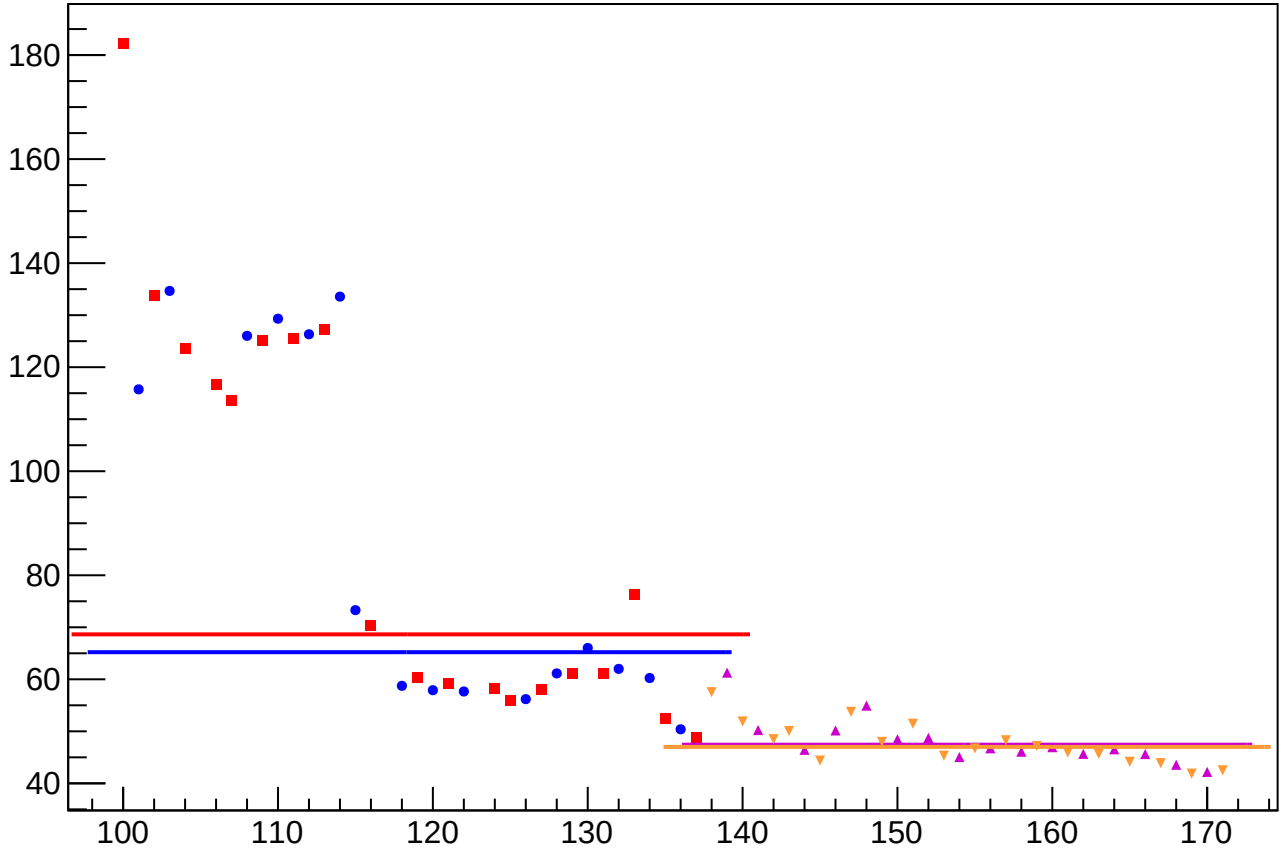
Left In: -49.674+/-13.142 χ^2/NDF:18.4/15

+ sign 15.053+/-11.275 χ^2/NDF: 45.1/33

All: -16.808+/-8.155 χ^2/NDF: 100.7/68

- sign -51.748+/-11.808 χ^2/NDF: 38.8/34

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.4/17

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

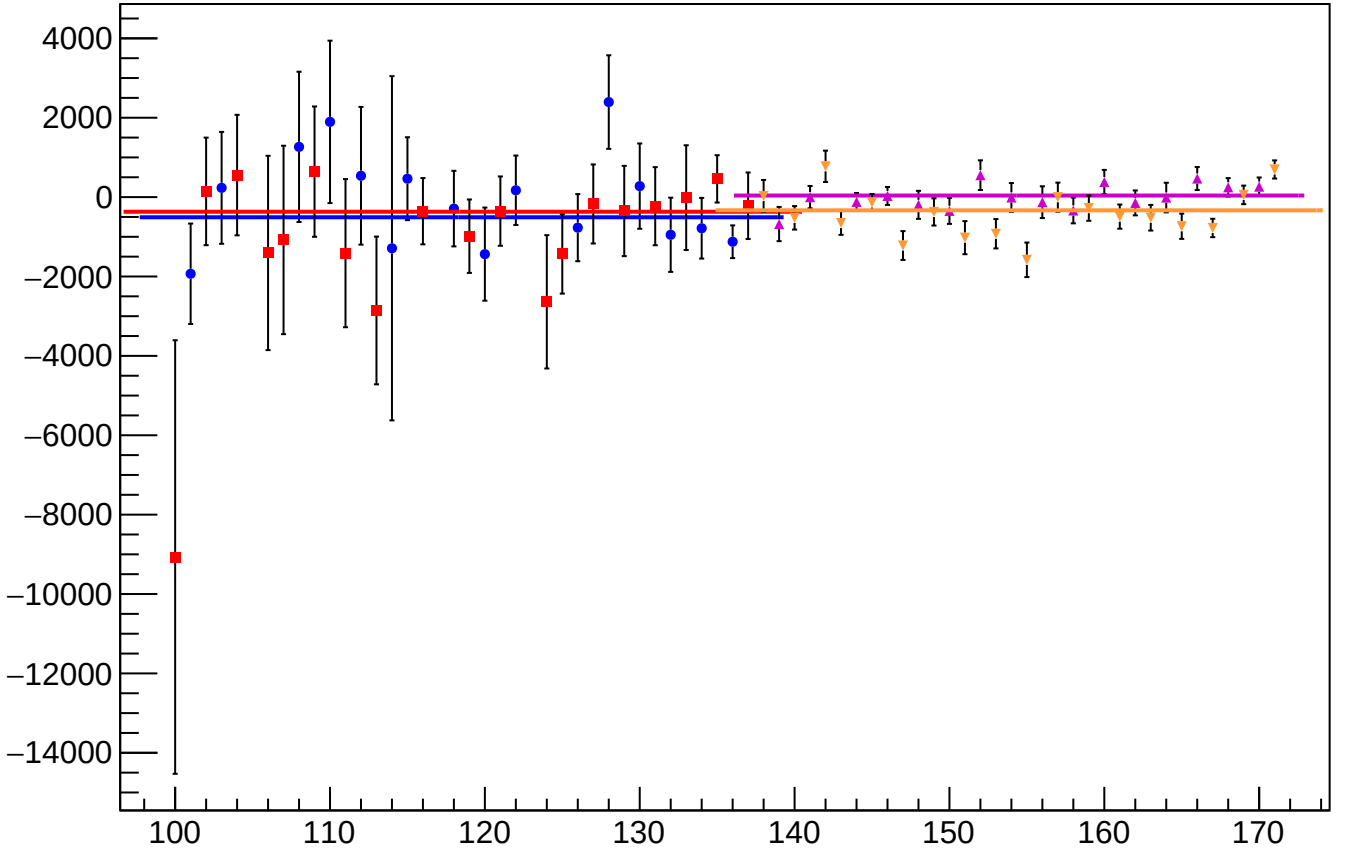
Left In: 47.432+/-0.009 χ^2/NDF:180530.3/15

+ sign 50.489+/-0.008 χ^2/NDF: 2432326.9/33

All: 50.981+/-0.006 χ^2/NDF: 5262505.6/68

- sign 51.520+/-0.008 χ^2/NDF: 2822203.2/34

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -332.560+/-71.582 χ^2/NDF:60.3/17

Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

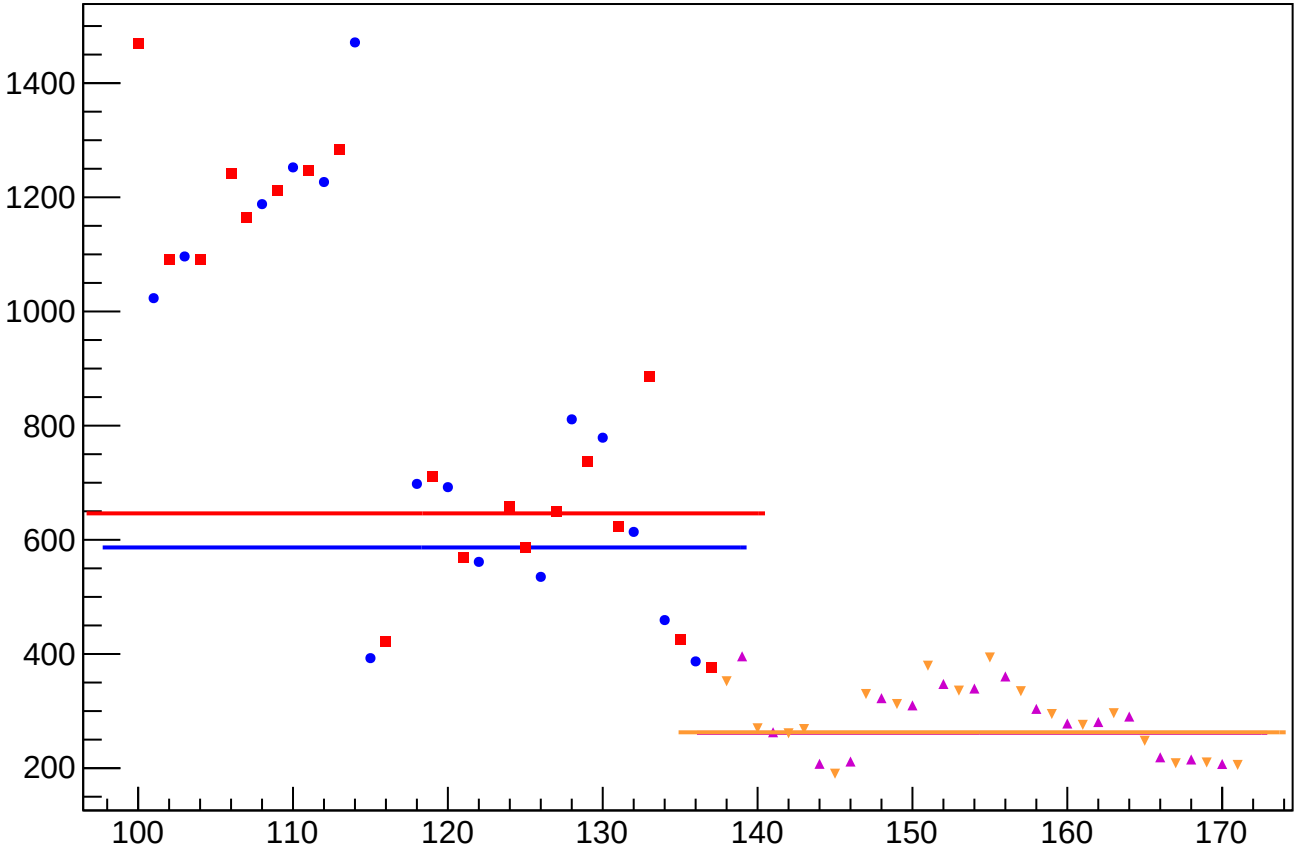
Left In: 39.512+/-73.939 χ^2/NDF:14.1/15

+ sign -347.226+/-68.523 χ^2/NDF: 76.5/33

All: -175.923+/-49.321 χ^2/NDF: 117.1/68

- sign 8.230+/-71.047 χ^2/NDF: 27.7/34

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320846.6/17

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

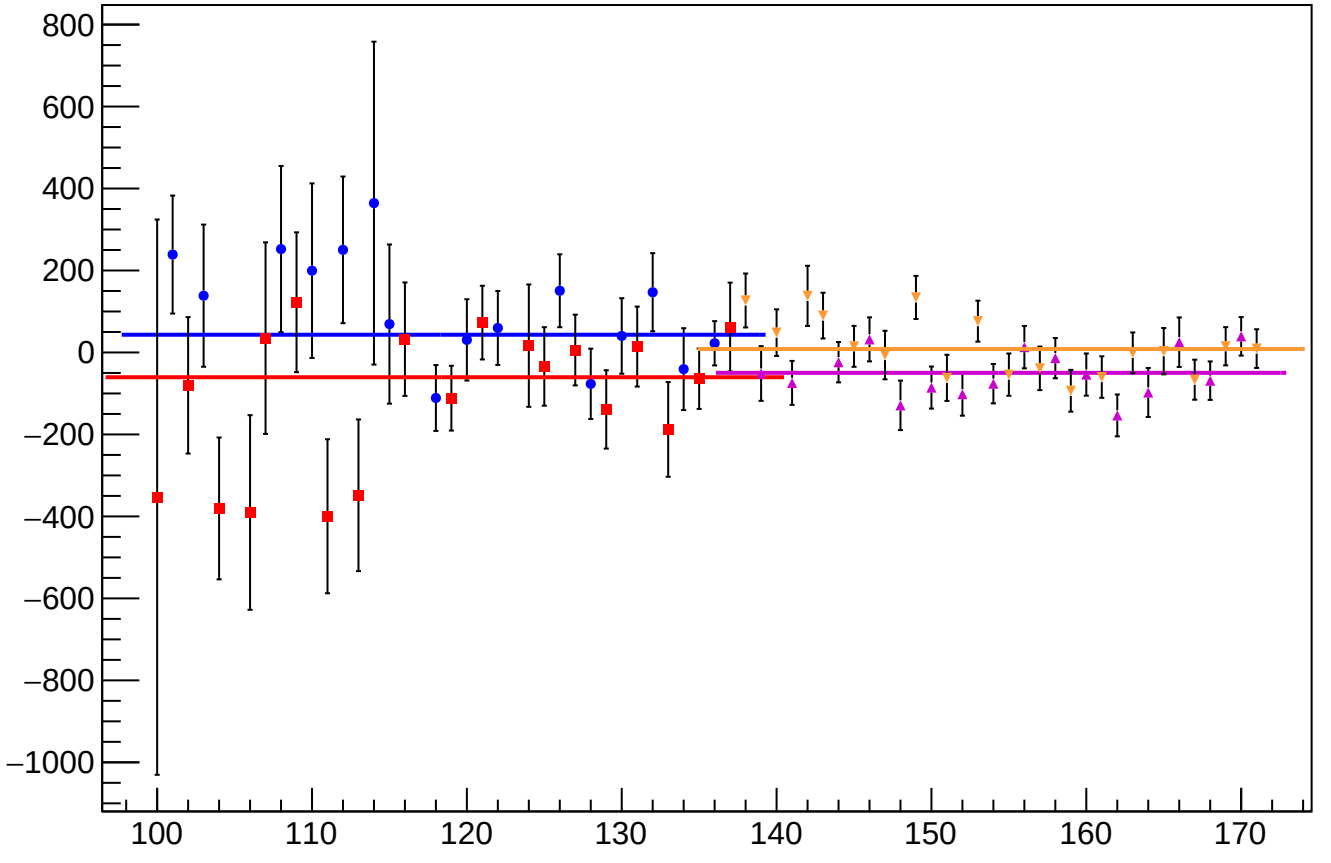
Left In: 261.802+/-0.052 χ^2/NDF:1125824.3/15

+ sign 289.898+/-0.048 χ^2/NDF: 6797269.3/33

All: 290.571+/-0.035 χ^2/NDF: 14135579.5/68

- sign 291.296+/-0.050 χ^2/NDF: 7337908.9/34

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.386+/-12.538 χ^2/NDF:28.7/17

Right Out: -60.432+/-26.895 χ^2/NDF: 20.3/18

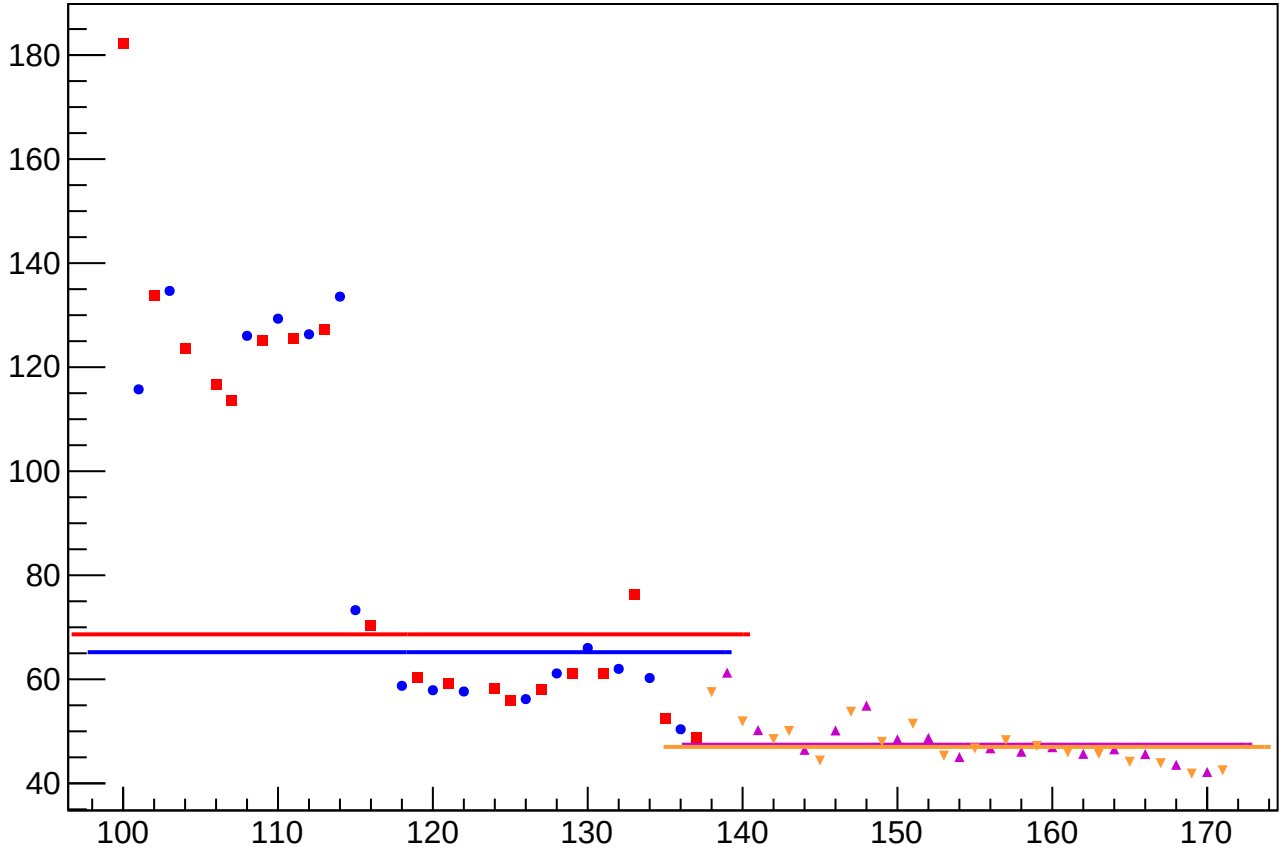
Left In: -49.674+/-13.142 χ^2/NDF:18.4/15

+ sign 15.053+/-11.275 χ^2/NDF: 45.1/33

All: -16.808+/-8.155 χ^2/NDF: 100.7/68

- sign -51.748+/-11.808 χ^2/NDF: 38.8/34

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.4/17

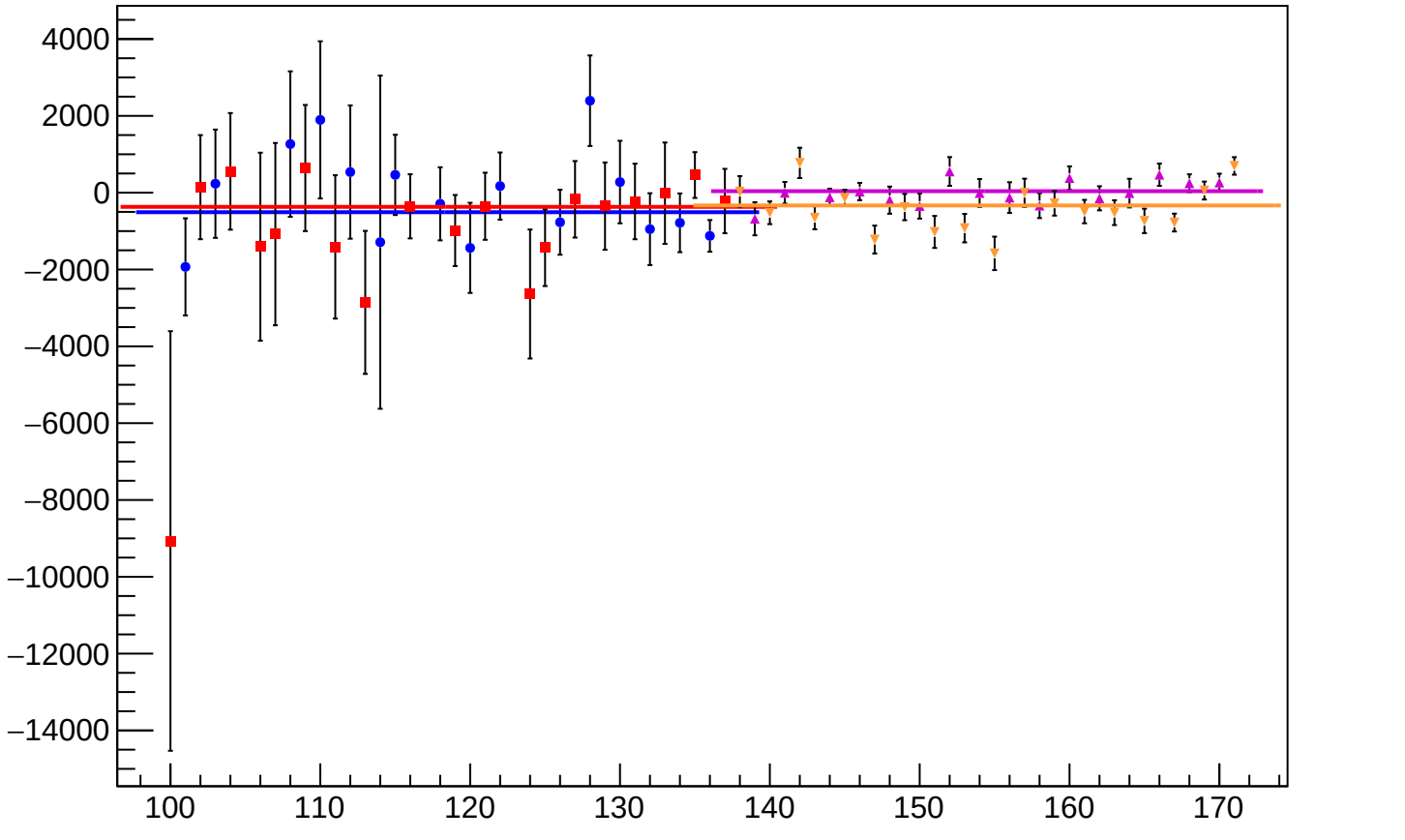
Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.432+/-0.009 χ^2/NDF:180530.3/15

+ sign 50.489+/-0.008 χ^2/NDF: 2432326.9/33

All: 50.981+/-0.006 χ^2/NDF: 5262505.6/68

- sign 51.520+/-0.008 χ^2/NDF: 2822203.2/34



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -332.560+/-71.582 χ^2/NDF:60.3/17

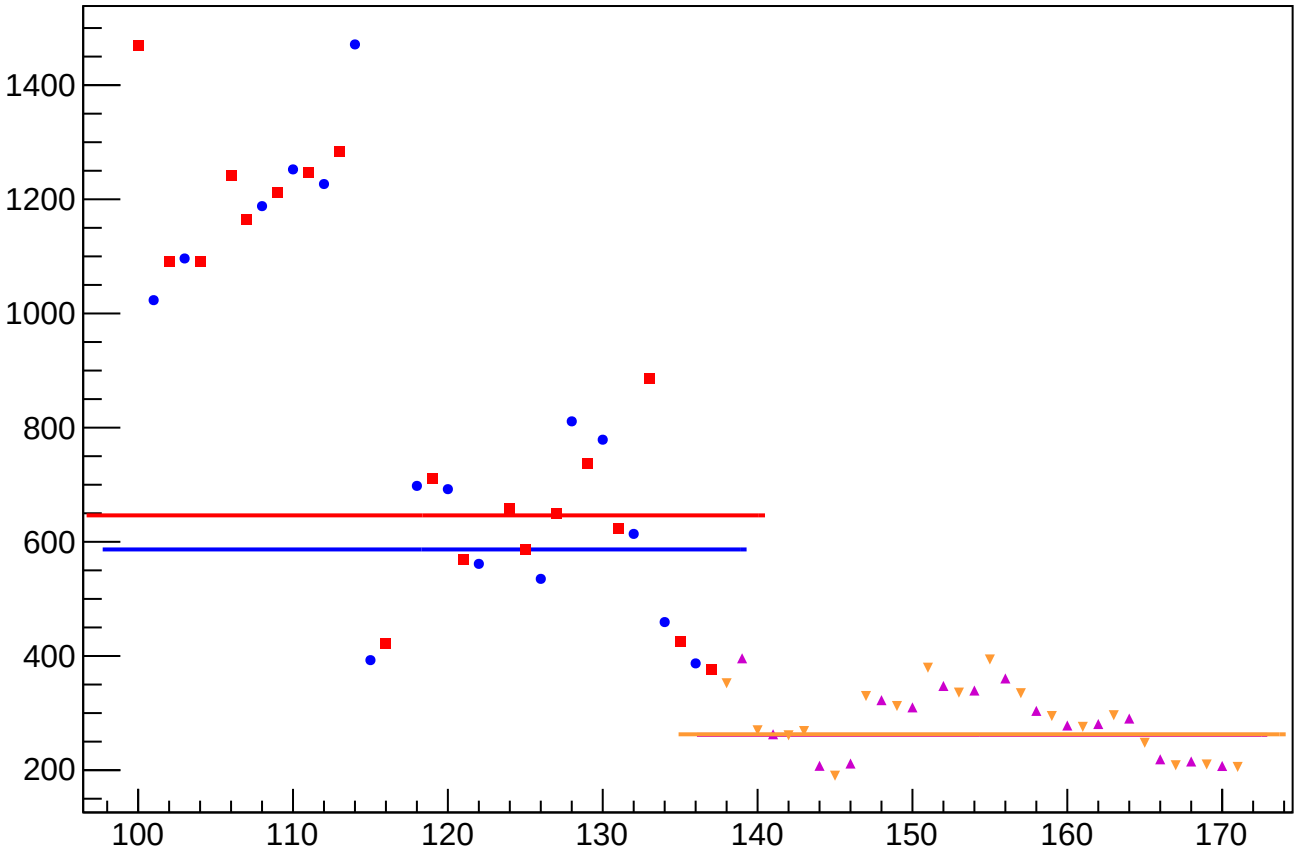
Right Out: -368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 39.512+/-73.939 χ^2/NDF:14.1/15

+ sign -347.226+/-68.523 χ^2/NDF: 76.5/33

All: -175.923+/-49.321 χ^2/NDF: 117.1/68

- sign 8.230+/-71.047 χ^2/NDF: 27.7/34



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320846.6/17

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

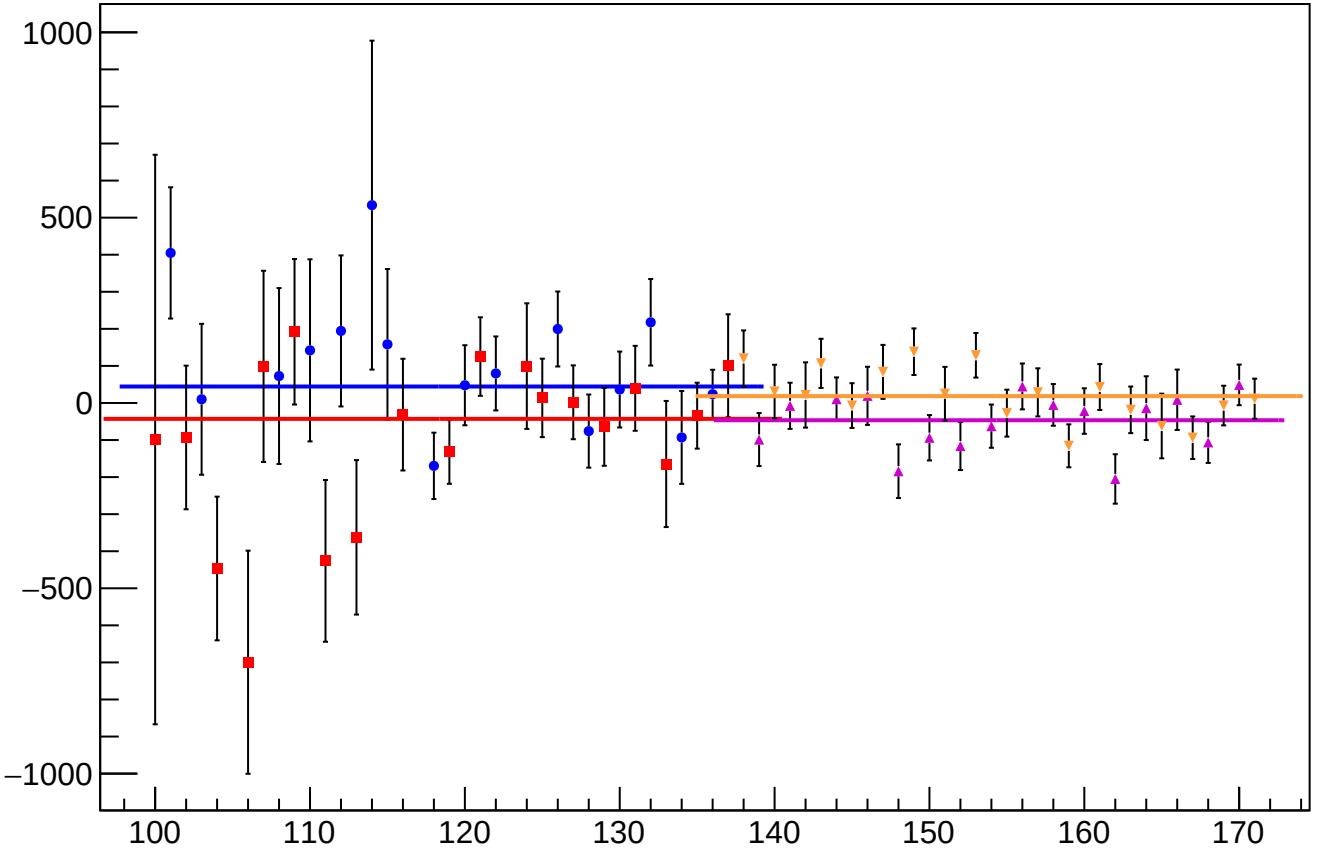
Left In: 261.802+/-0.052 χ^2/NDF:1125824.3/15

+ sign 289.898+/-0.048 χ^2/NDF: 6797269.3/33

All: 290.571+/-0.035 χ^2/NDF: 14135579.5/68

- sign 291.296+/-0.050 χ^2/NDF: 7337908.9/34

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 18.522+/-15.192 χ^2/NDF:22.9/17

Right Out: -42.901+/-31.248 χ^2/NDF: 23.3/18

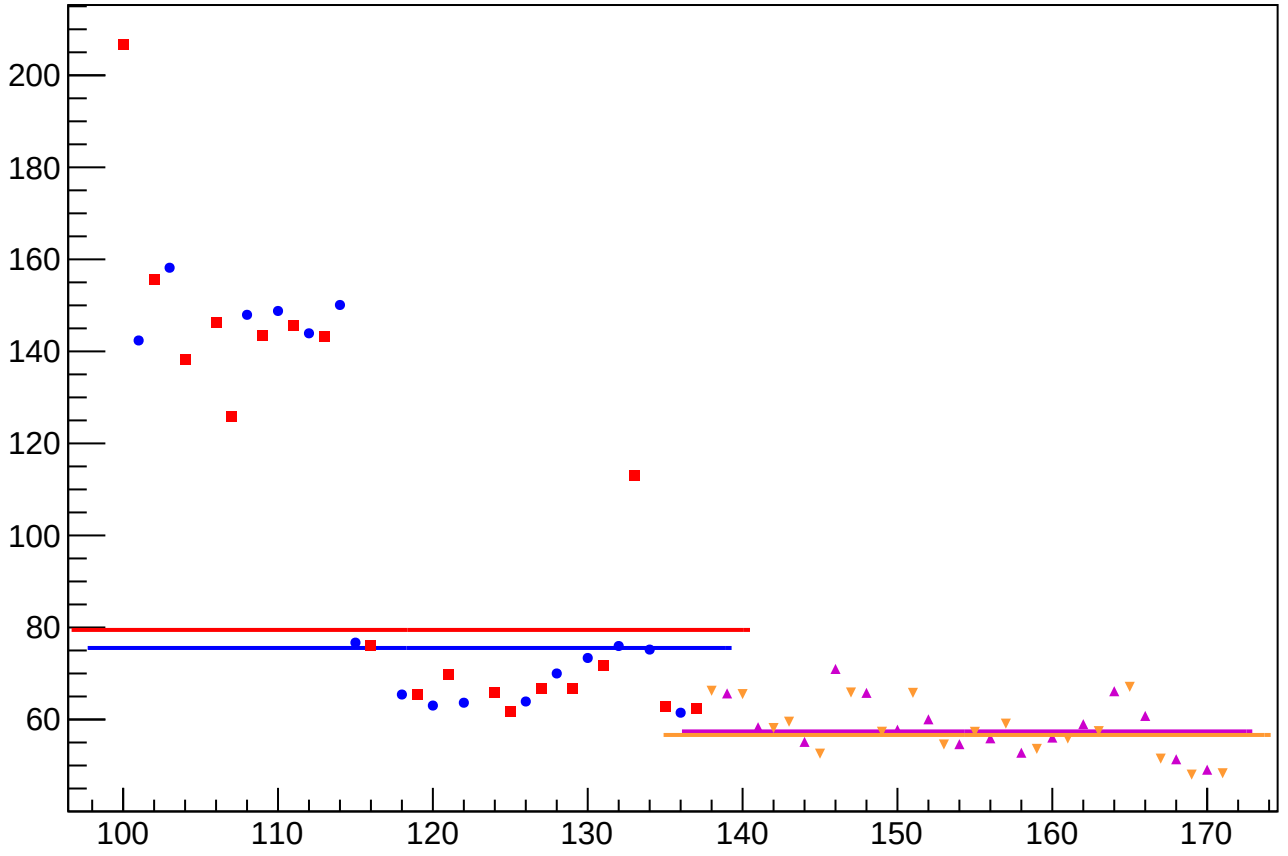
Left In: -46.597+/-15.996 χ^2/NDF:21.3/15

+ sign 23.827+/-13.545 χ^2/NDF: 43.1/33

All: -9.262+/-9.814 χ^2/NDF: 100.3/68

- sign -45.829+/-14.239 χ^2/NDF: 44.6/34

dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.641+/-0.011 χ^2/NDF:296143.9/17

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

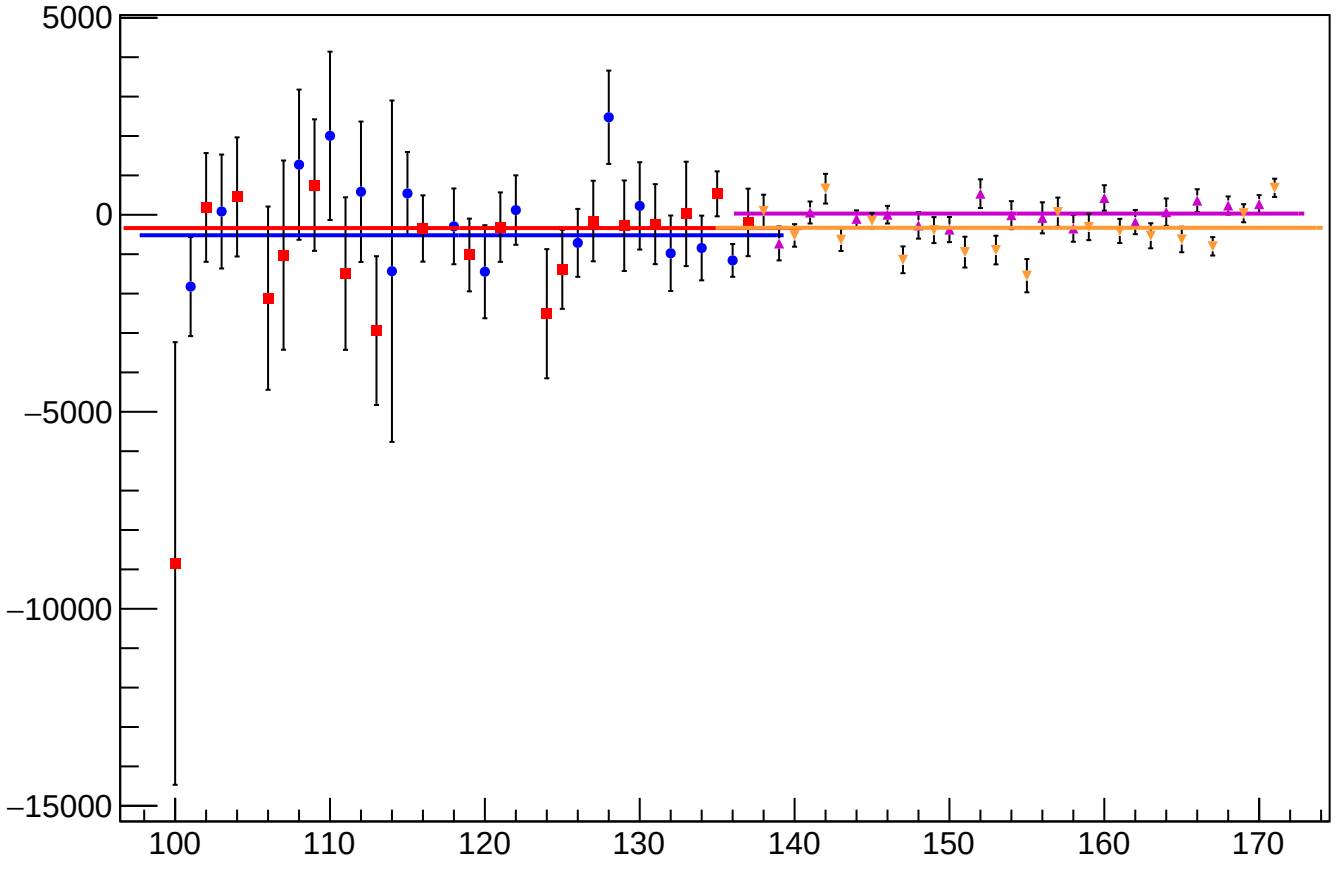
Left In: 57.411+/-0.011 χ^2/NDF:235506.0/15

+ sign 60.518+/-0.010 χ^2/NDF: 2396777.7/33

All: 61.218+/-0.007 χ^2/NDF: 5116513.2/68

- sign 61.991+/-0.010 χ^2/NDF: 2708504.9/34

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -329.788+/-70.172 χ^2/NDF:57.7/17

Right Out: -336.731+/-256.618 χ^2/NDF: 11.9/18

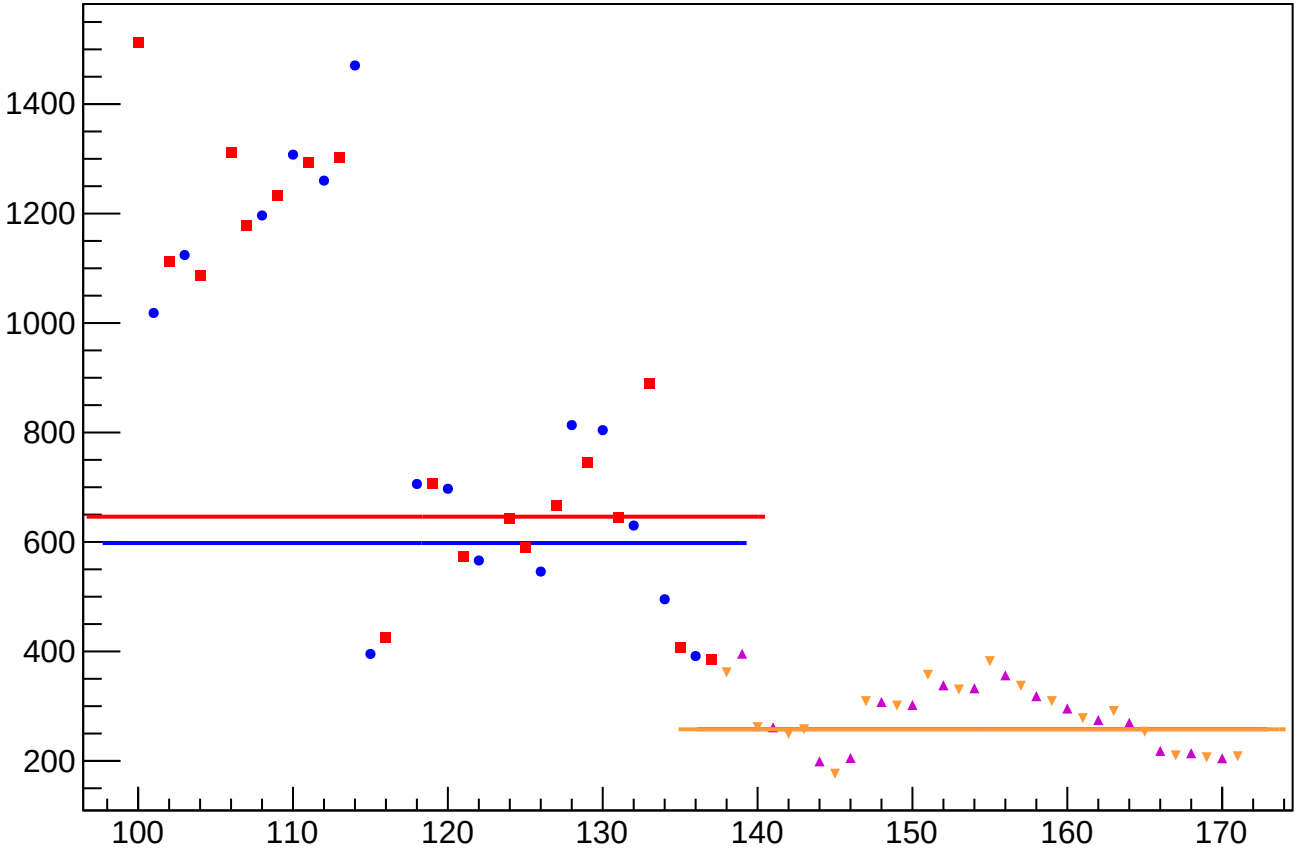
Left In: 30.687+/-72.946 χ^2/NDF:14.4/15

+ sign -344.560+/-67.381 χ^2/NDF: 74.0/33

All: -177.710+/-48.600 χ^2/NDF: 115.0/68

- sign 3.218+/-70.166 χ^2/NDF: 28.2/34

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 257.781+/-0.050 χ^2/NDF:1377754.1/17

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

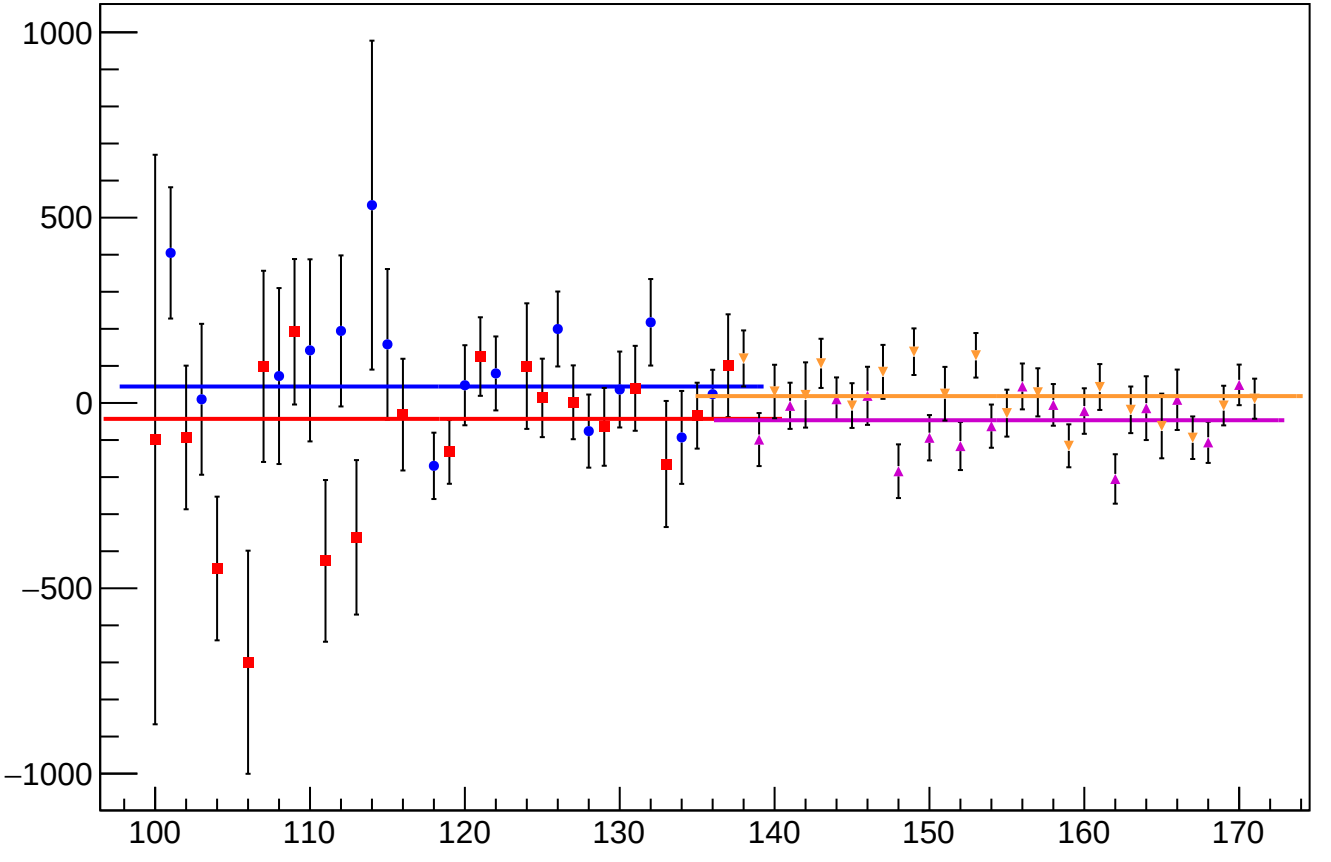
Left In: 257.890+/-0.052 χ^2/NDF:1177079.5/15

+ sign 284.309+/-0.048 χ^2/NDF: 7091923.8/33

All: 285.562+/-0.034 χ^2/NDF: 14712749.5/68

- sign 286.920+/-0.050 χ^2/NDF: 7619385.4/34

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 18.521+/-15.192 χ^2/NDF:22.9/17

Right Out: -42.900+/-31.248 χ^2/NDF: 23.3/18

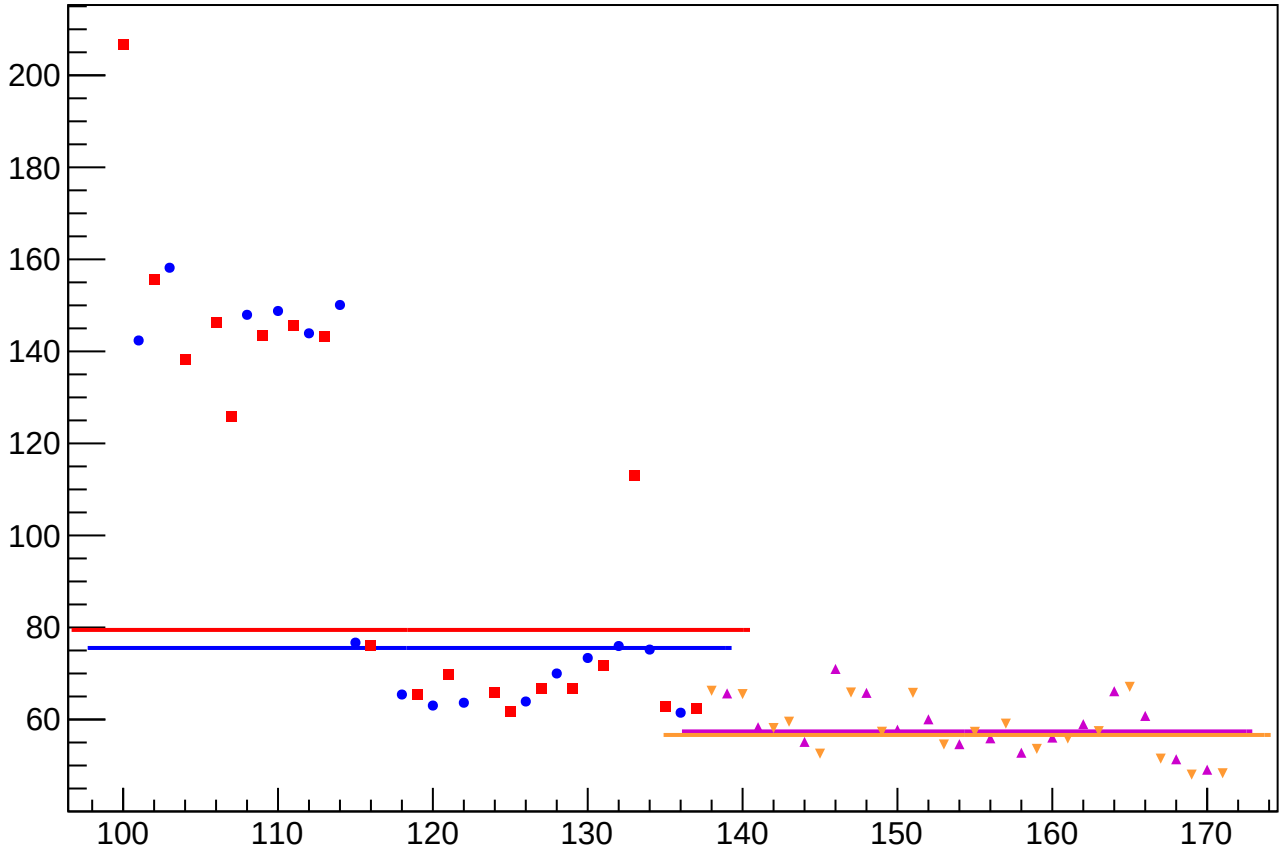
Left In: -46.595+/-15.996 χ^2/NDF:21.3/15

+ sign 23.827+/-13.545 χ^2/NDF: 43.1/33

All: -9.261+/-9.814 χ^2/NDF: 100.3/68

- sign -45.828+/-14.239 χ^2/NDF: 44.6/34

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.641+/-0.011 χ^2/NDF:296143.5/17

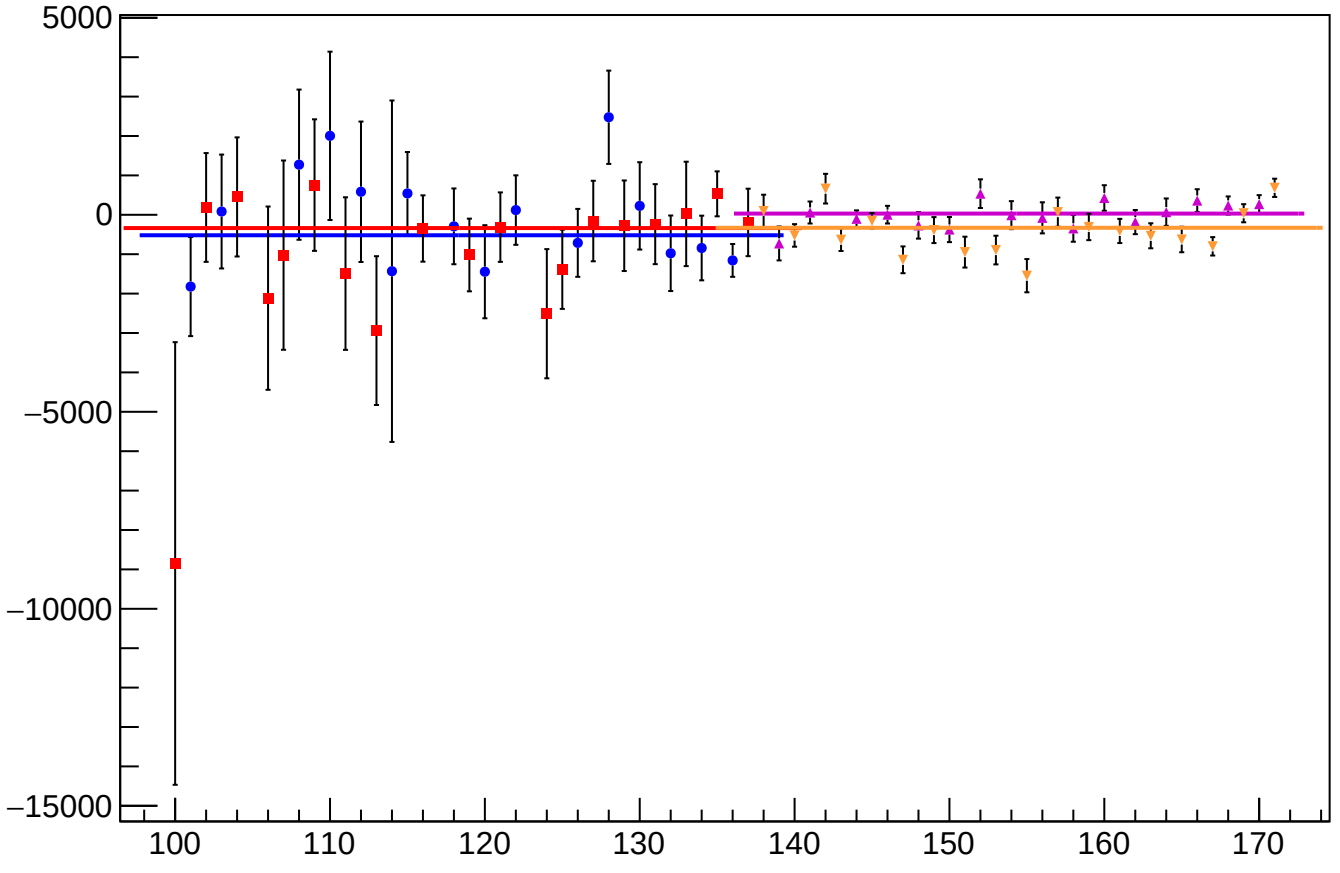
Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 57.412+/-0.011 χ^2/NDF:235504.7/15

+ sign 60.518+/-0.010 χ^2/NDF: 2396737.9/33

All: 61.218+/-0.007 χ^2/NDF: 5116434.1/68

- sign 61.991+/-0.010 χ^2/NDF: 2708464.0/34



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -329.787+/-70.172 χ^2/NDF:57.7/17

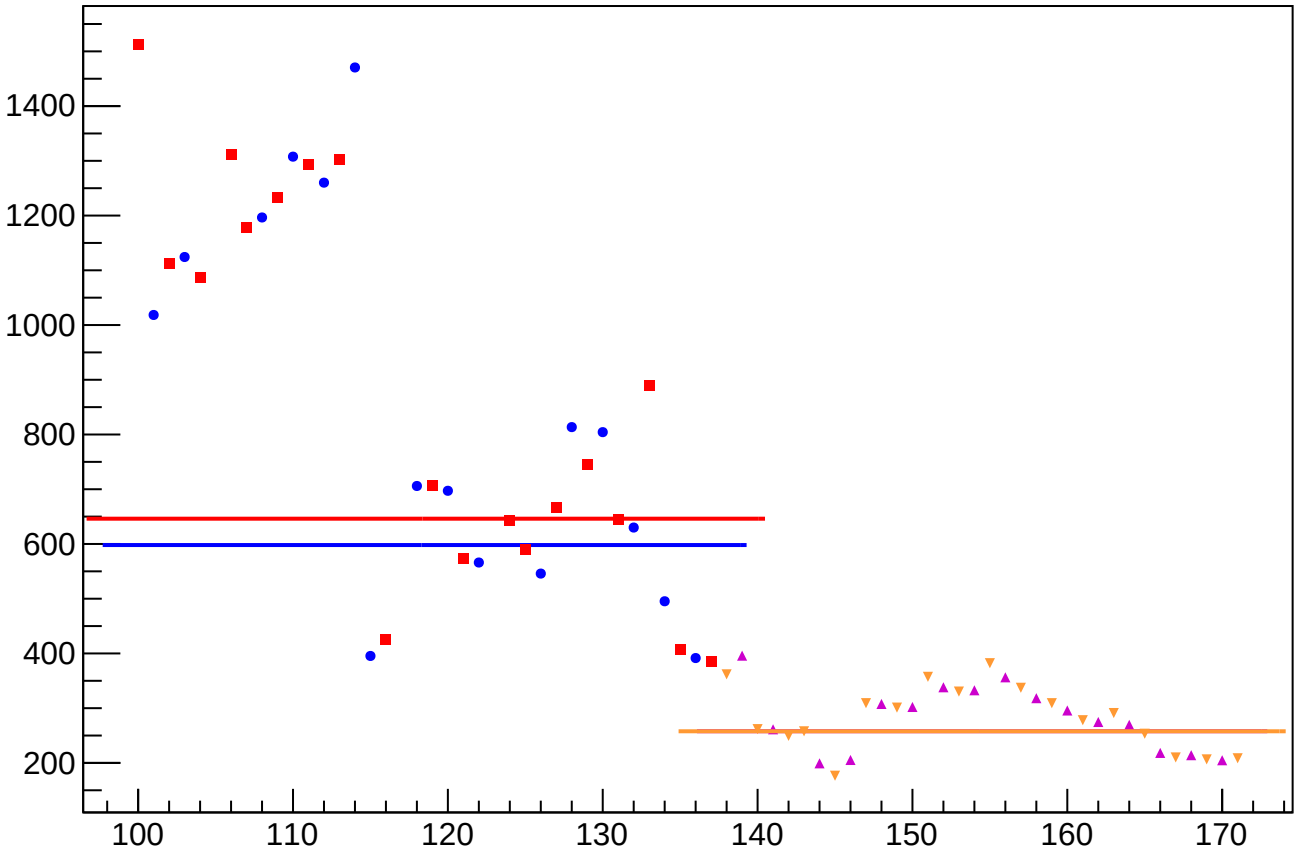
Right Out: -336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 30.688+/-72.946 χ^2/NDF:14.4/15

+ sign -344.558+/-67.381 χ^2/NDF: 74.0/33

All: -177.708+/-48.600 χ^2/NDF: 115.0/68

- sign 3.219+/-70.166 χ^2/NDF: 28.2/34



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 257.780+/-0.050 χ^2/NDF:1377772.8/17

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

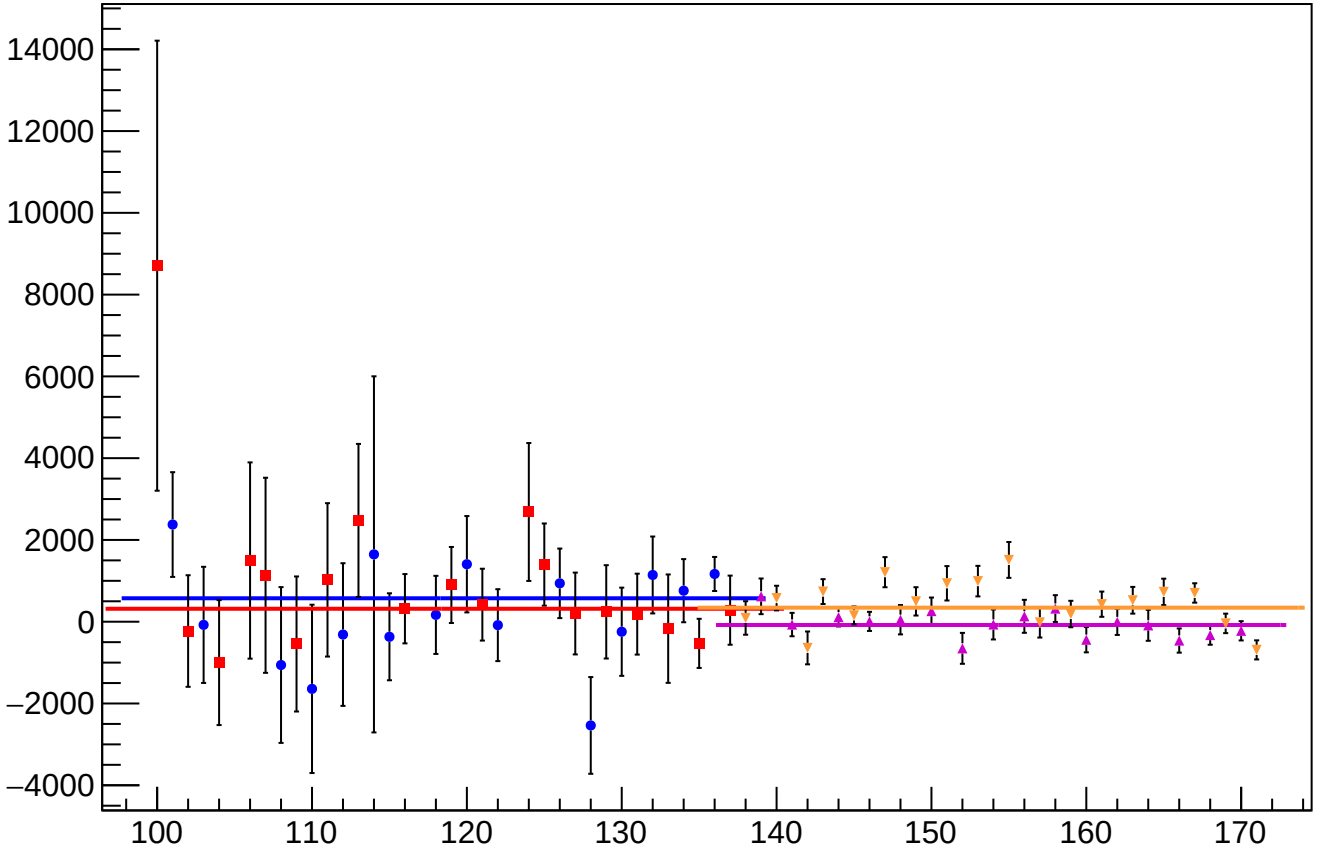
Left In: 257.890+/-0.052 χ^2/NDF:1177081.2/15

+ sign 284.309+/-0.048 χ^2/NDF: 7091942.2/33

All: 285.561+/-0.034 χ^2/NDF: 14712765.4/68

- sign 286.920+/-0.050 χ^2/NDF: 7619382.5/34

asym_sam_1526_avg_mean vs Slug



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 343.361+/-72.826 χ^2/NDF:54.7/17

Right Out: 316.830+/-258.239 χ^2/NDF: 11.0/18

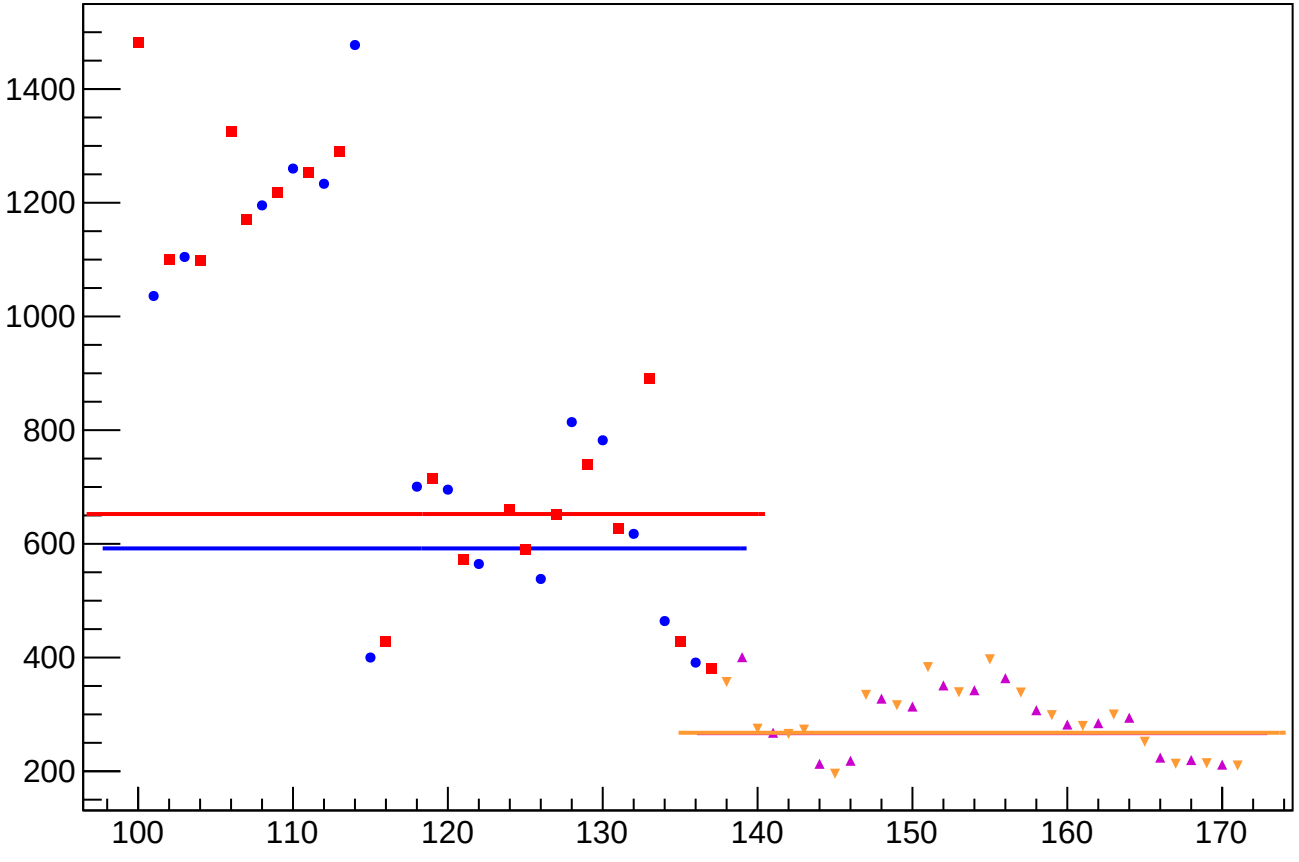
Left In: -80.452+/-75.310 χ^2/NDF:13.2/15

+ sign 362.915+/-69.662 χ^2/NDF: 72.1/33

All: 164.454+/-50.165 χ^2/NDF: 115.4/68

- sign -49.312+/-72.298 χ^2/NDF: 26.4/34

asym_sam_1526_avg_rms vs Slug



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 267.694+/-0.051 χ^2/NDF:1260854.5/17

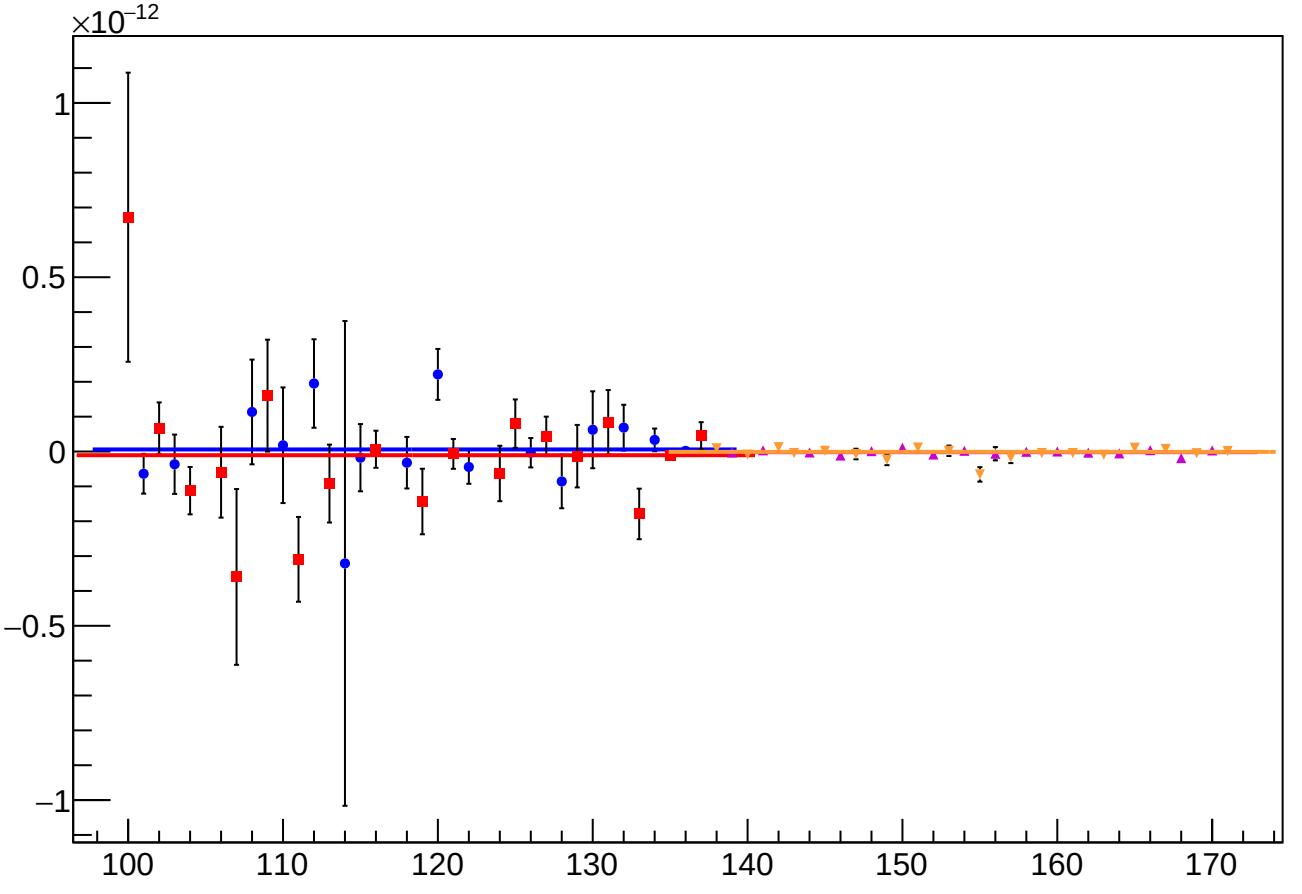
Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 267.000+/-0.053 χ^2/NDF:1065650.9/15

+ sign 295.262+/-0.049 χ^2/NDF: 6667684.7/33

All: 296.201+/-0.035 χ^2/NDF: 13930802.9/68

- sign 297.213+/-0.051 χ^2/NDF: 7262363.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/17

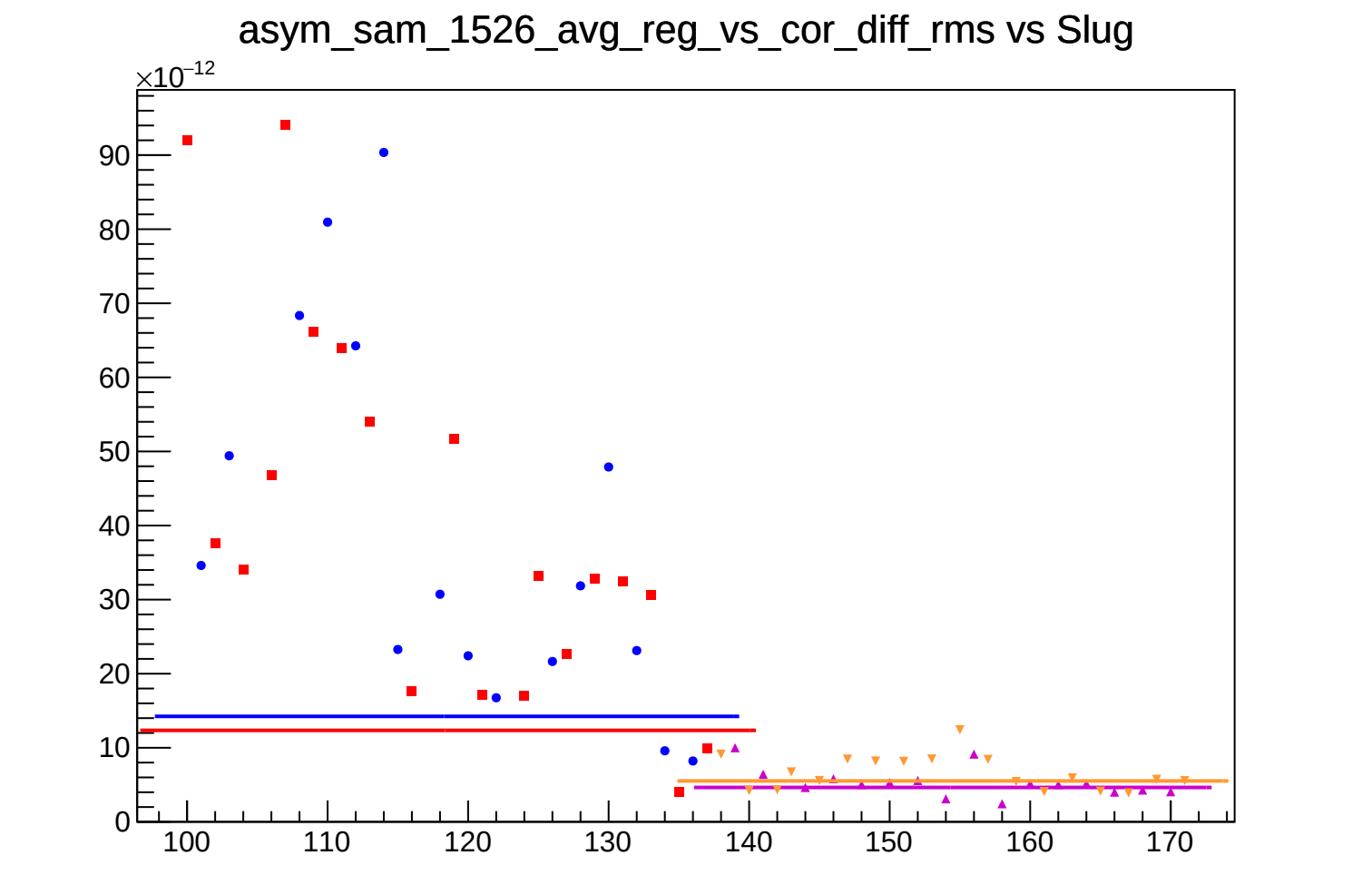
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/33

All: -0.000+/-0.000 χ^2/NDF: 79.8/68

- sign -0.000+/-0.000 χ^2/NDF: 39.2/34



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1064510.9/17

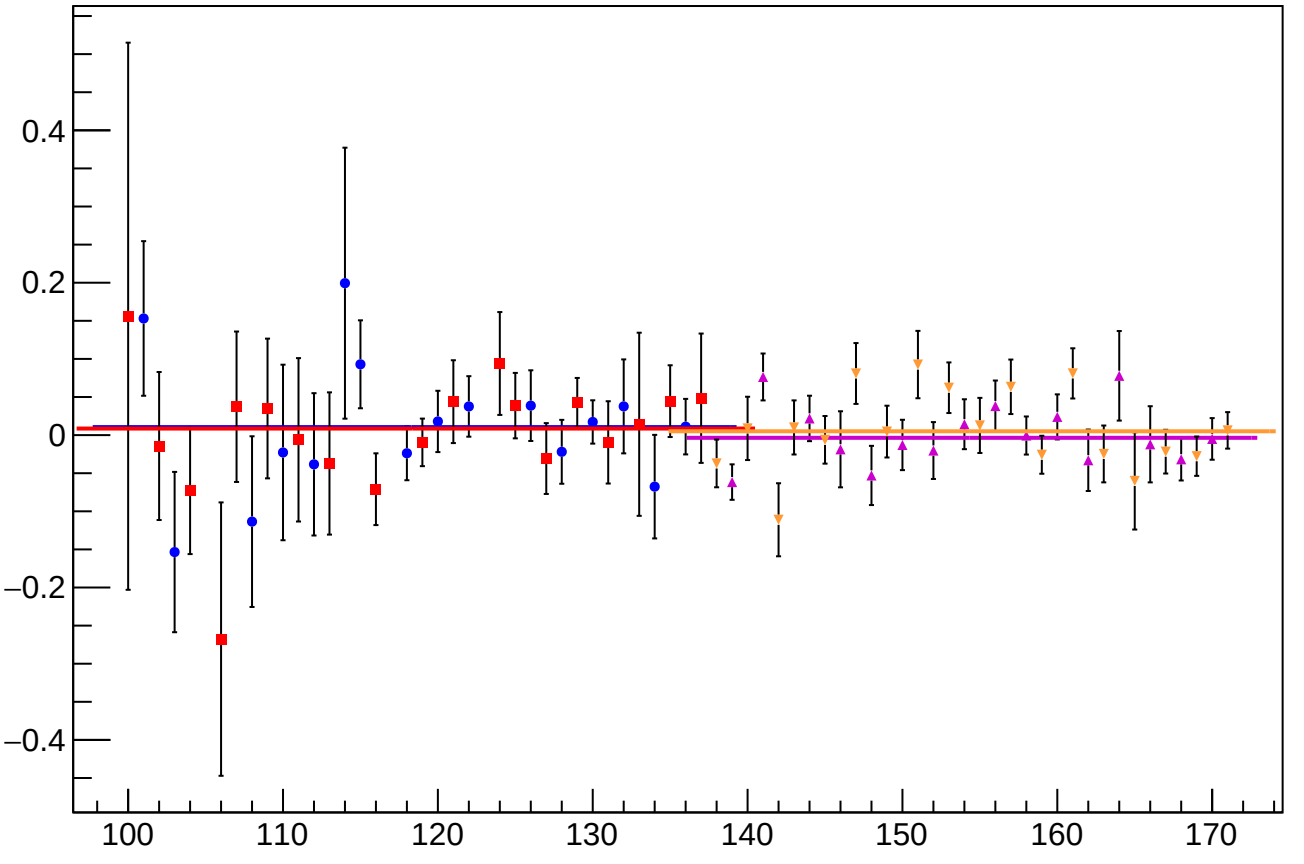
Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:804083.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 4861415.5/33

All: 0.000+/-0.000 χ^2/NDF: 10329510.4/68

- sign 0.000+/-0.000 χ^2/NDF: 5295699.1/34



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

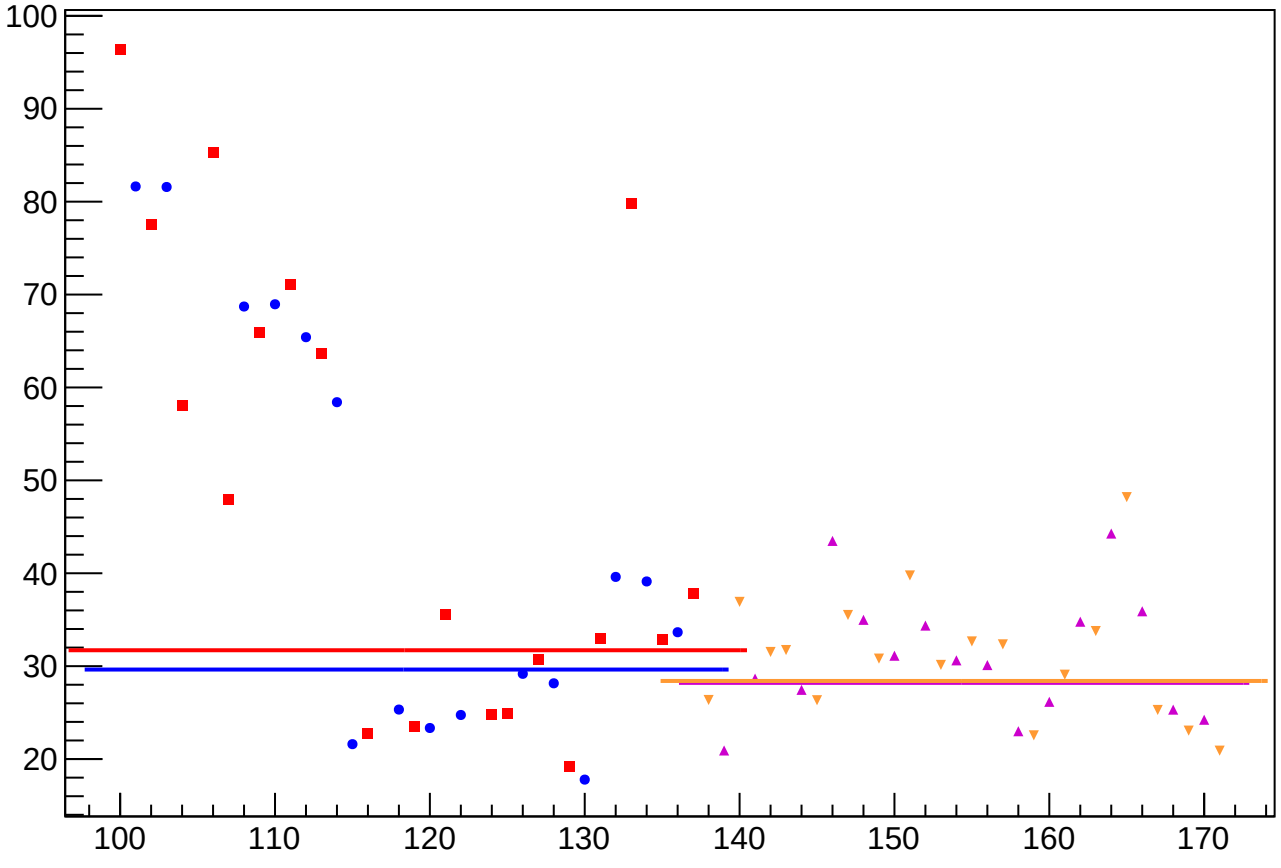
Left In: -0.004+/-0.008 χ^2/NDF:21.9/15

+ sign 0.007+/-0.007 χ^2/NDF: 45.3/33

All: 0.003+/-0.005 χ^2/NDF: 80.8/68

- sign -0.000+/-0.007 χ^2/NDF: 35.0/34

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: 28.407+/-0.006 χ^2/NDF:1040817.2/17

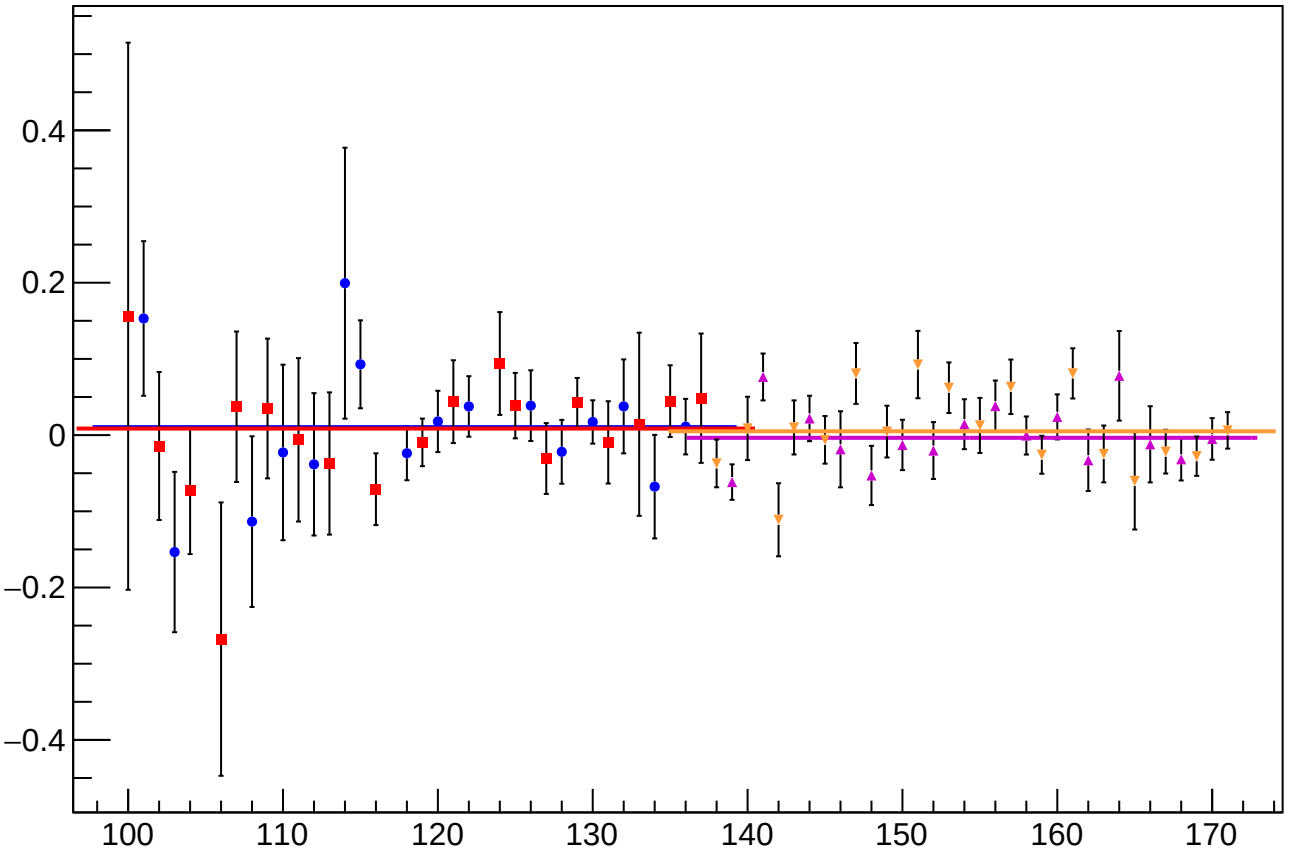
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.201+/-0.006 χ^2/NDF:943718.0/15

+ sign 28.751+/-0.005 χ^2/NDF: 3503047.9/33

All: 28.947+/-0.003 χ^2/NDF: 7204135.9/68

- sign 29.158+/-0.005 χ^2/NDF: 3697487.8/34



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

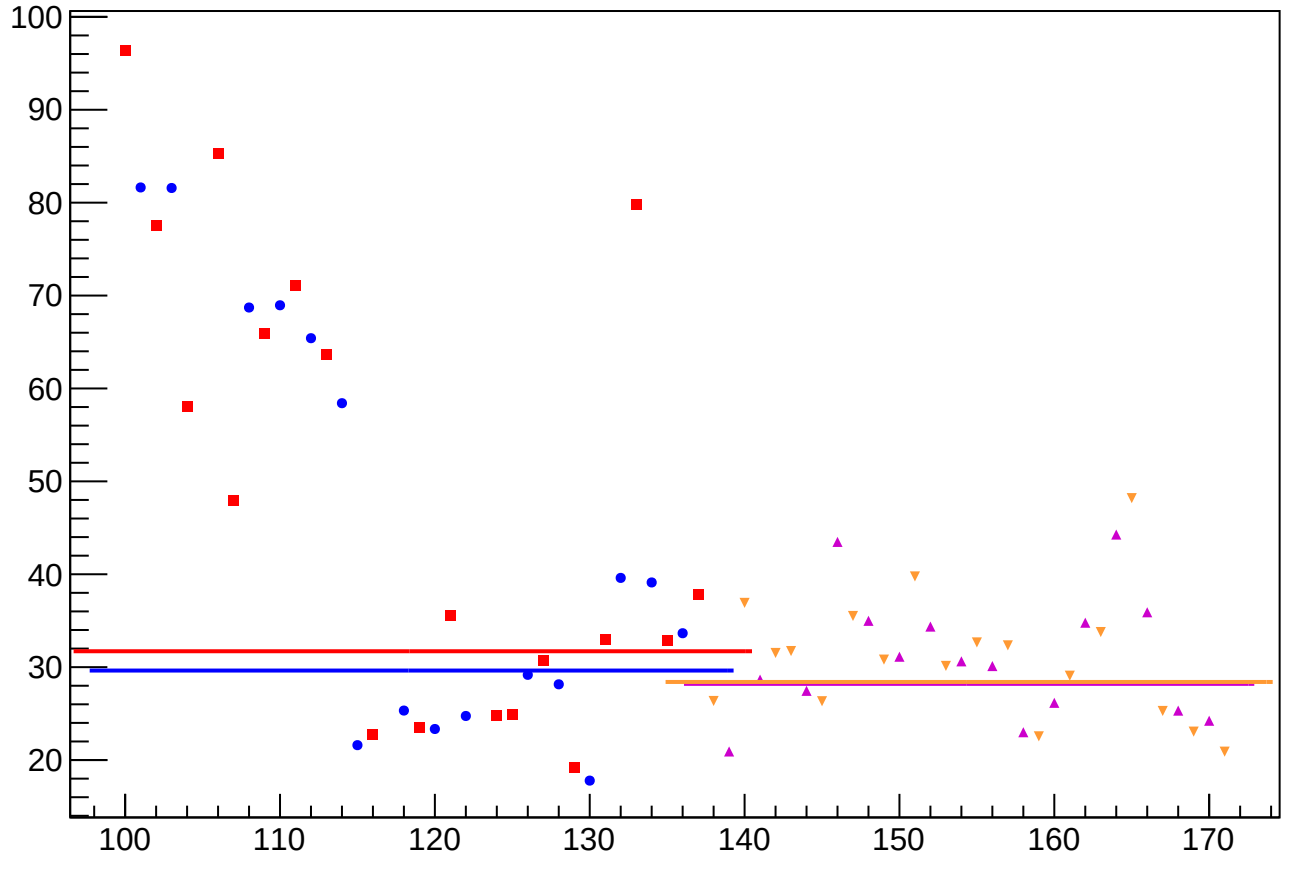
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.008 χ^2/NDF:21.9/15

+ sign 0.007+/-0.007 χ^2/NDF: 45.3/33

All: 0.003+/-0.005 χ^2/NDF: 80.8/68

- sign -0.000+/-0.007 χ^2/NDF: 35.0/34



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.407+/-0.006 χ^2/NDF:1040817.2/17

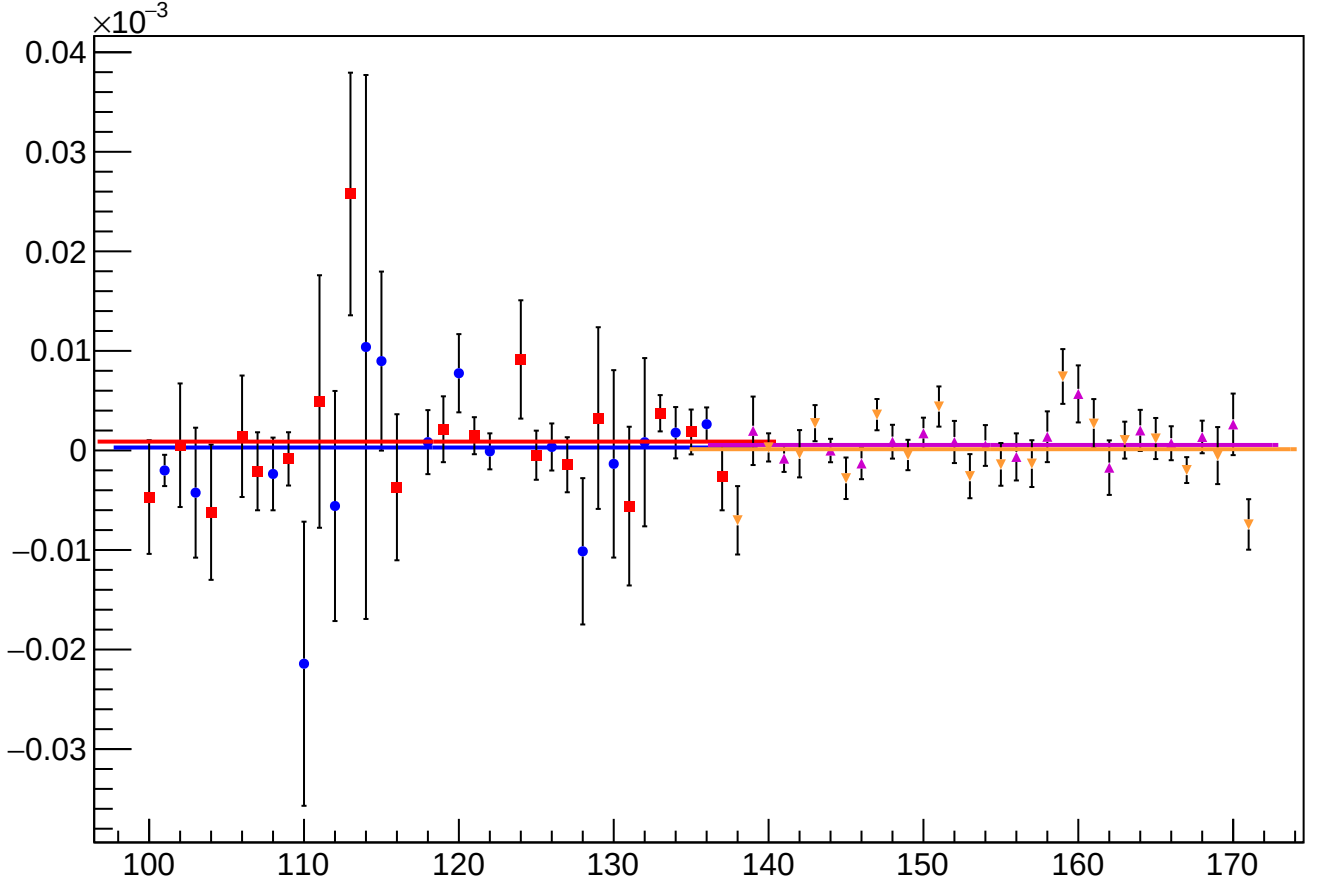
Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.201+/-0.006 χ^2/NDF:943718.0/15

+ sign 28.751+/-0.005 χ^2/NDF: 3503047.9/33

All: 28.947+/-0.003 χ^2/NDF: 7204135.9/68

- sign 29.158+/-0.005 χ^2/NDF: 3697487.8/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.5/17

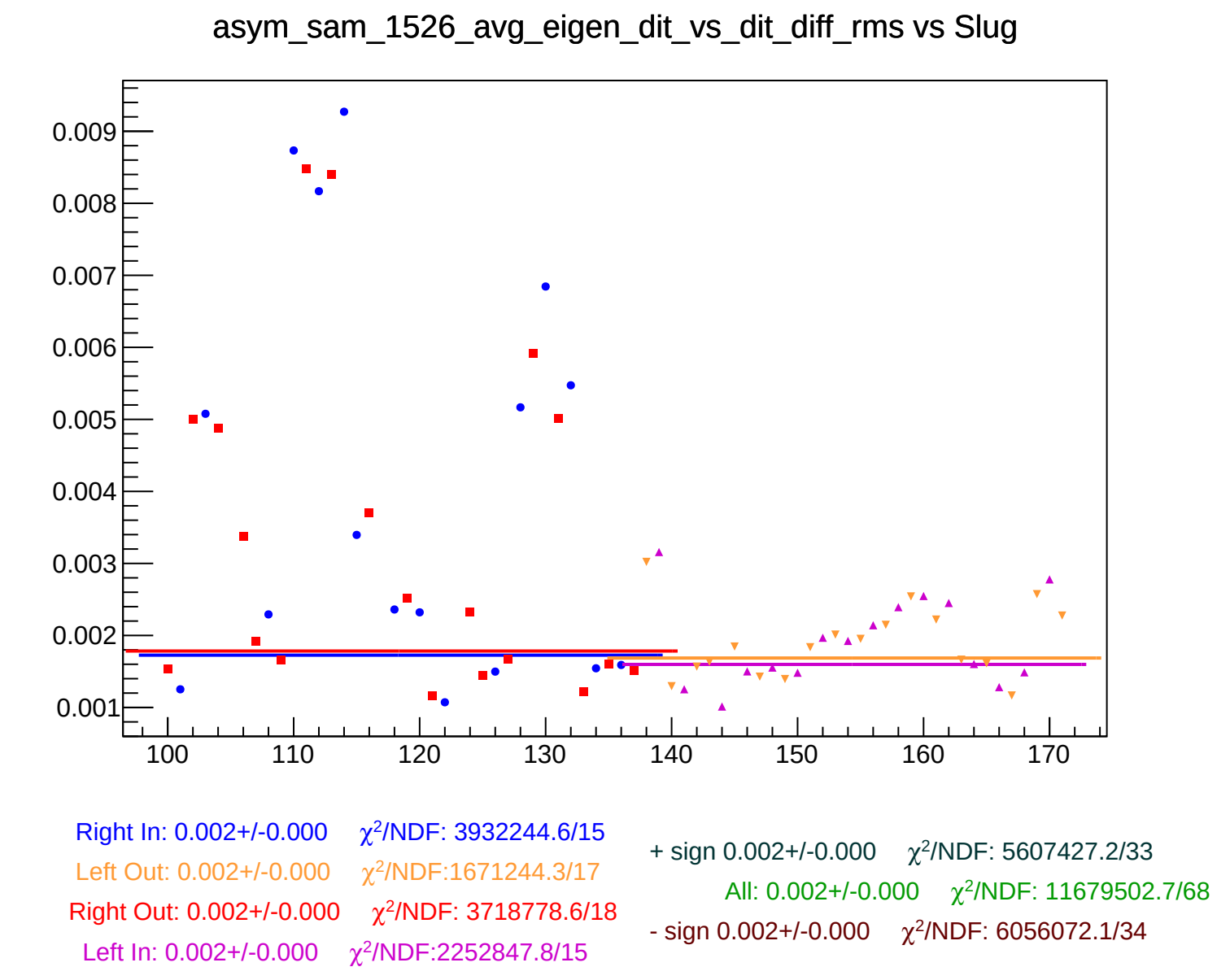
Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

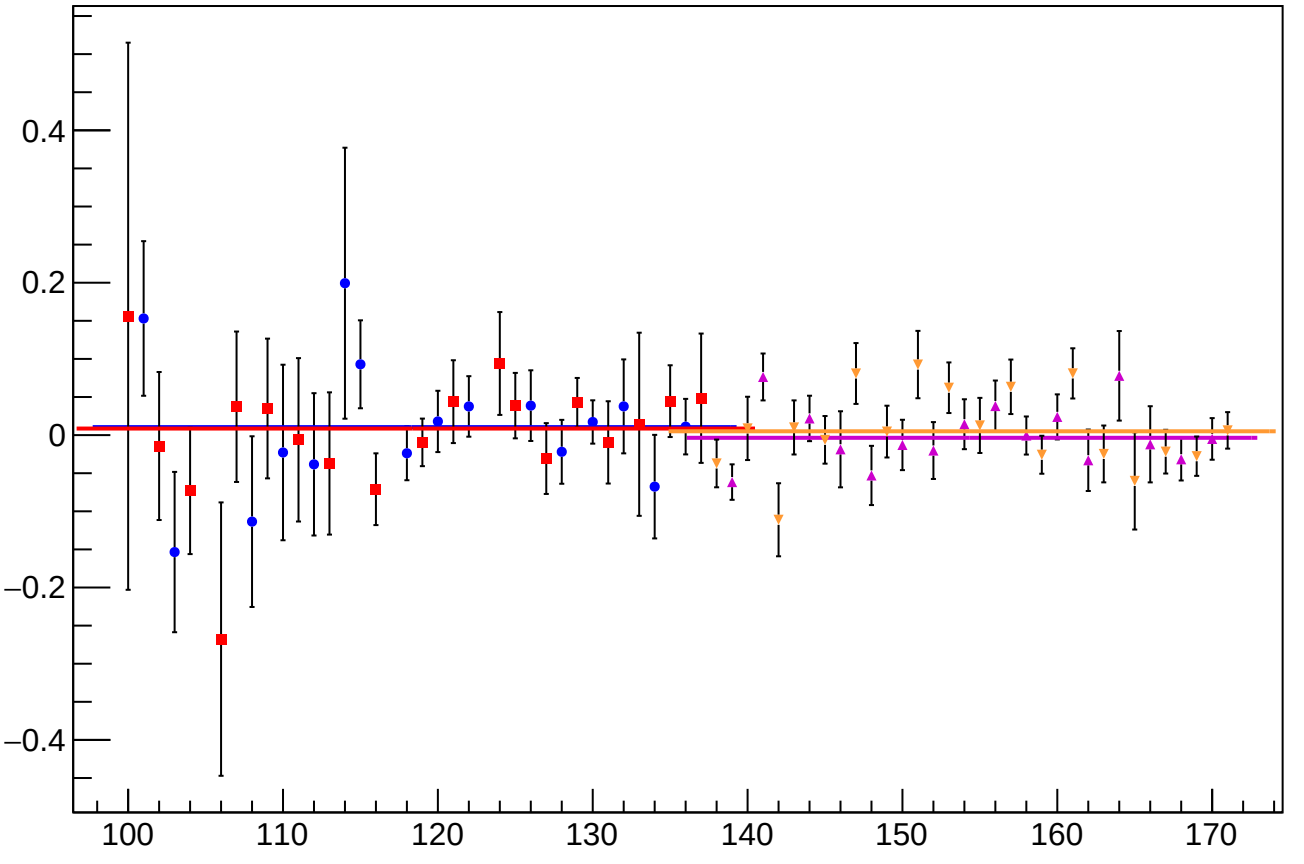
Left In: 0.000+/-0.000 χ^2/NDF:8.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 55.3/33

All: 0.000+/-0.000 χ^2/NDF: 80.5/68

- sign 0.000+/-0.000 χ^2/NDF: 24.4/34


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.000 χ²/NDF: 3932244.6/15
Left Out: 0.002+/-0.000 χ²/NDF:1671244.3/17
Right Out: 0.002+/-0.000 χ²/NDF: 3718778.6/18
Left In: 0.002+/-0.000 χ²/NDF:2252847.8/15
+ sign 0.002+/-0.000 χ²/NDF: 5607427.2/33
All: 0.002+/-0.000 χ²/NDF: 11679502.7/68
- sign 0.002+/-0.000 χ²/NDF: 6056072.1/34



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

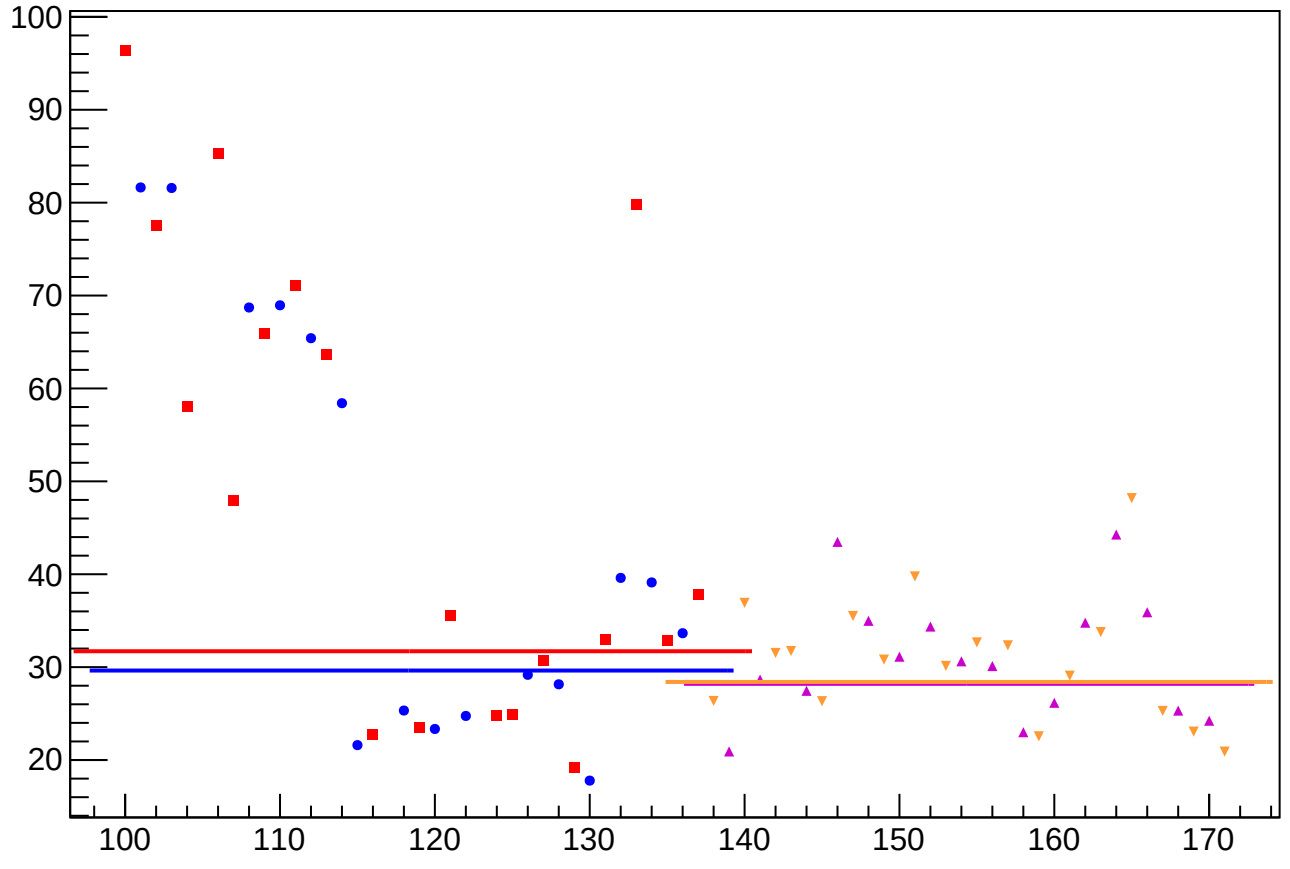
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.008 χ^2/NDF:21.9/15

+ sign 0.007+/-0.007 χ^2/NDF: 45.3/33

All: 0.003+/-0.005 χ^2/NDF: 80.8/68

- sign -0.000+/-0.007 χ^2/NDF: 35.0/34



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.407+/-0.006 χ^2/NDF:1040846.6/17

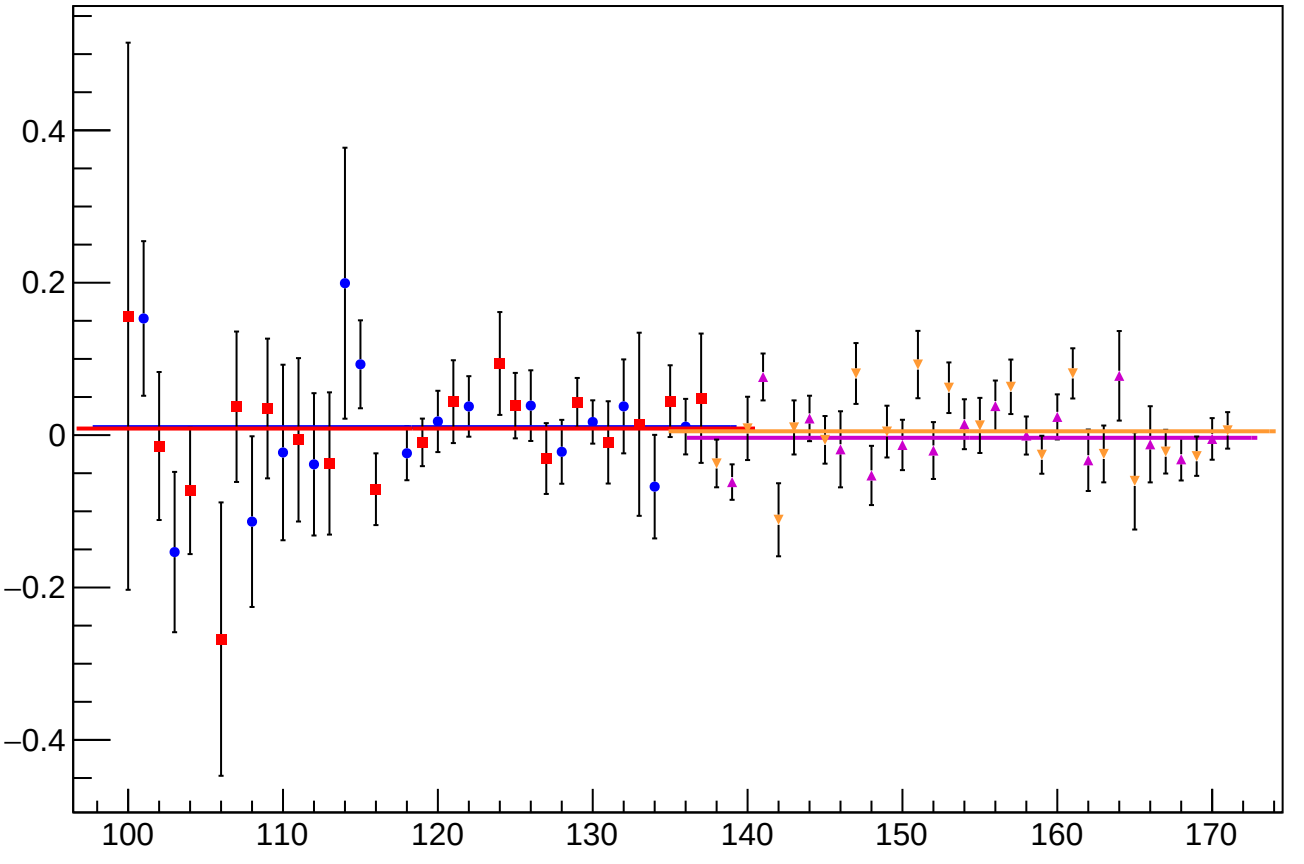
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.202+/-0.006 χ^2/NDF:943722.0/15

+ sign 28.751+/-0.005 χ^2/NDF: 3503247.8/33

All: 28.947+/-0.003 χ^2/NDF: 7204416.2/68

- sign 29.158+/-0.005 χ^2/NDF: 3697564.4/34



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

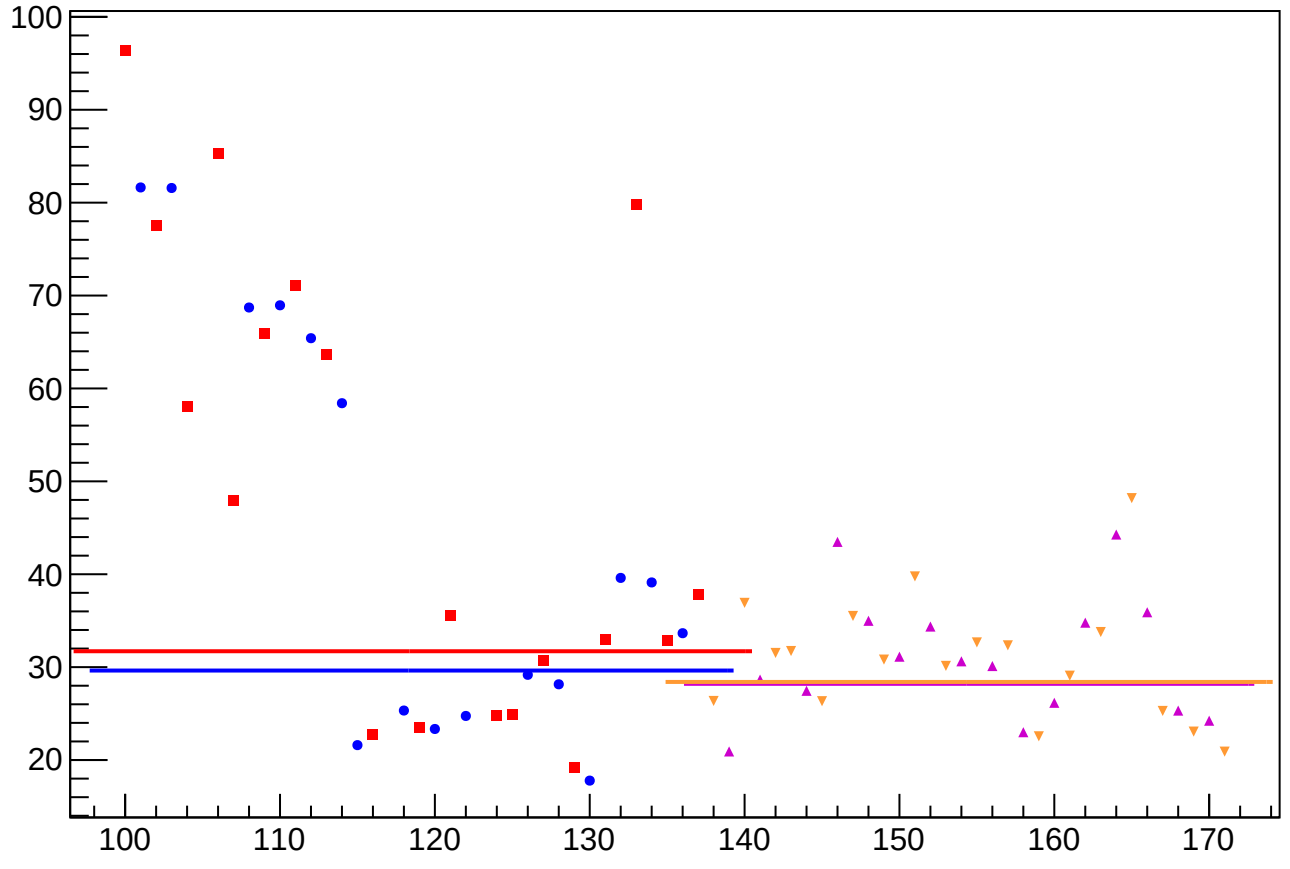
Right Out: 0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: -0.004+/-0.008 χ^2/NDF:21.9/15

+ sign 0.007+/-0.007 χ^2/NDF: 45.3/33

All: 0.003+/-0.005 χ^2/NDF: 80.8/68

- sign -0.000+/-0.007 χ^2/NDF: 35.0/34



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.407+/-0.006 χ^2/NDF:1040846.6/17

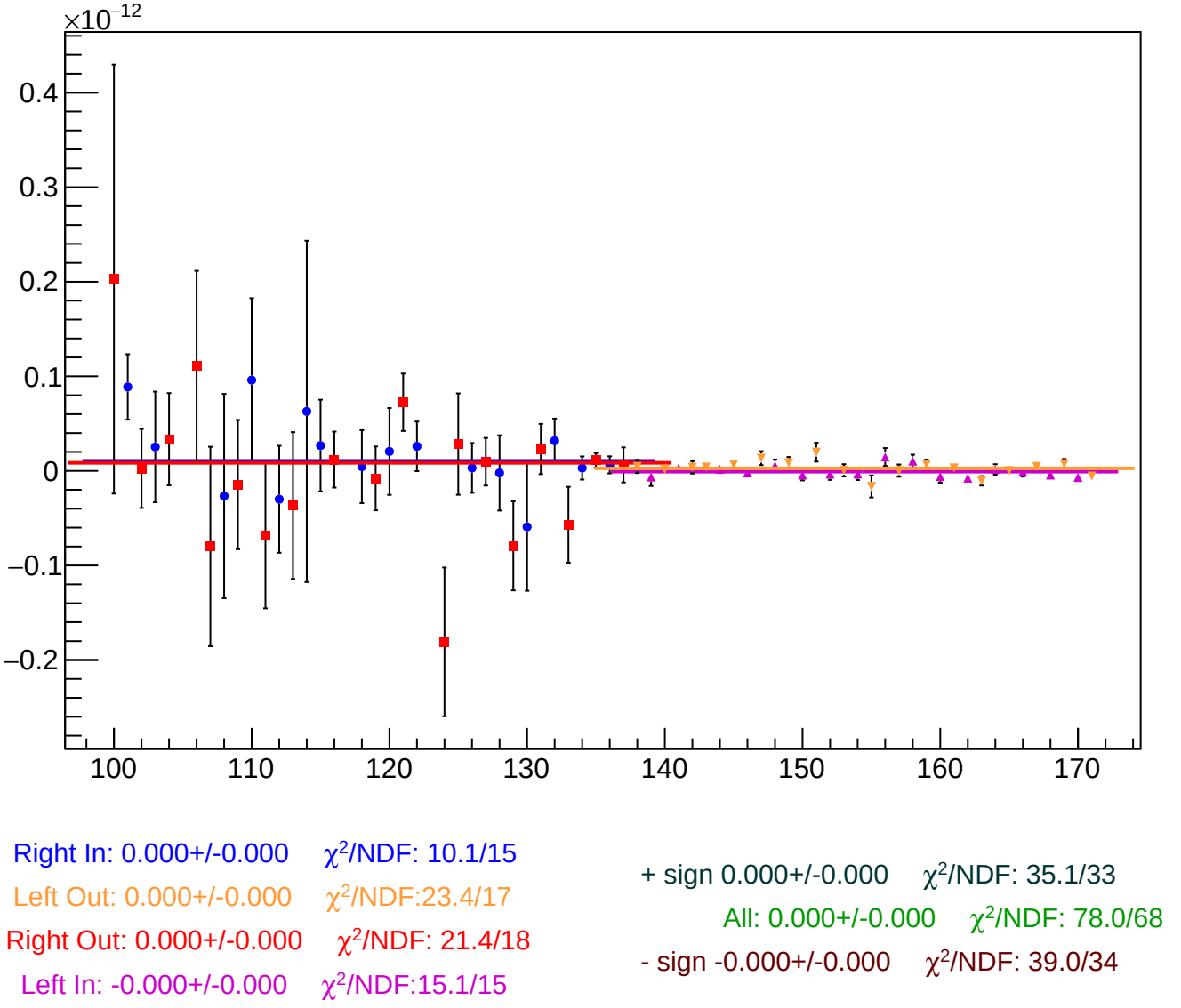
Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

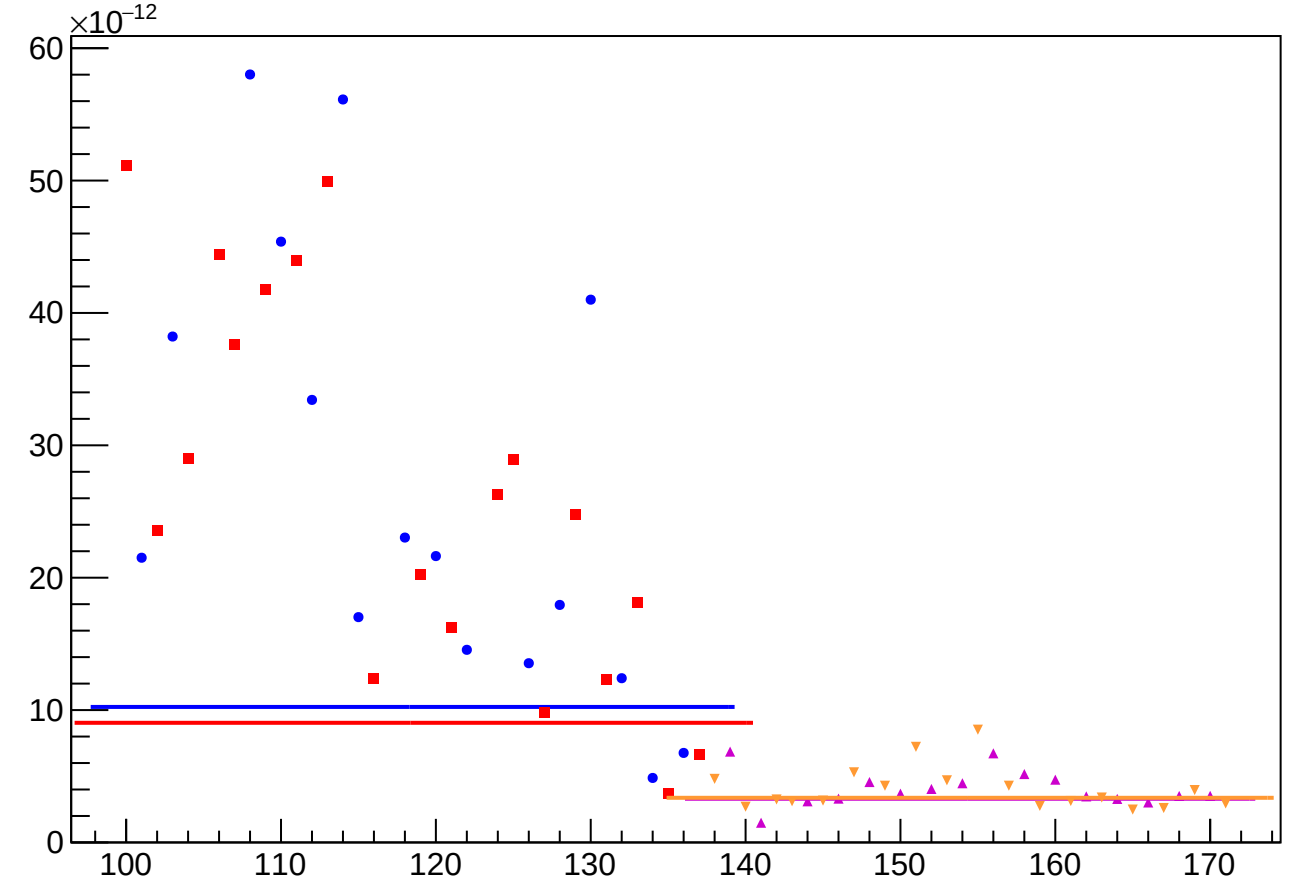
Left In: 28.202+/-0.006 χ^2/NDF:943722.0/15

+ sign 28.751+/-0.005 χ^2/NDF: 3503247.8/33

All: 28.947+/-0.003 χ^2/NDF: 7204416.2/68

- sign 29.158+/-0.005 χ^2/NDF: 3697564.4/34


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:15.1/15
+ sign 0.000+/-0.000 χ²/NDF: 35.1/33
All: 0.000+/-0.000 χ²/NDF: 78.0/68
- sign -0.000+/-0.000 χ²/NDF: 39.0/34



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1409629.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

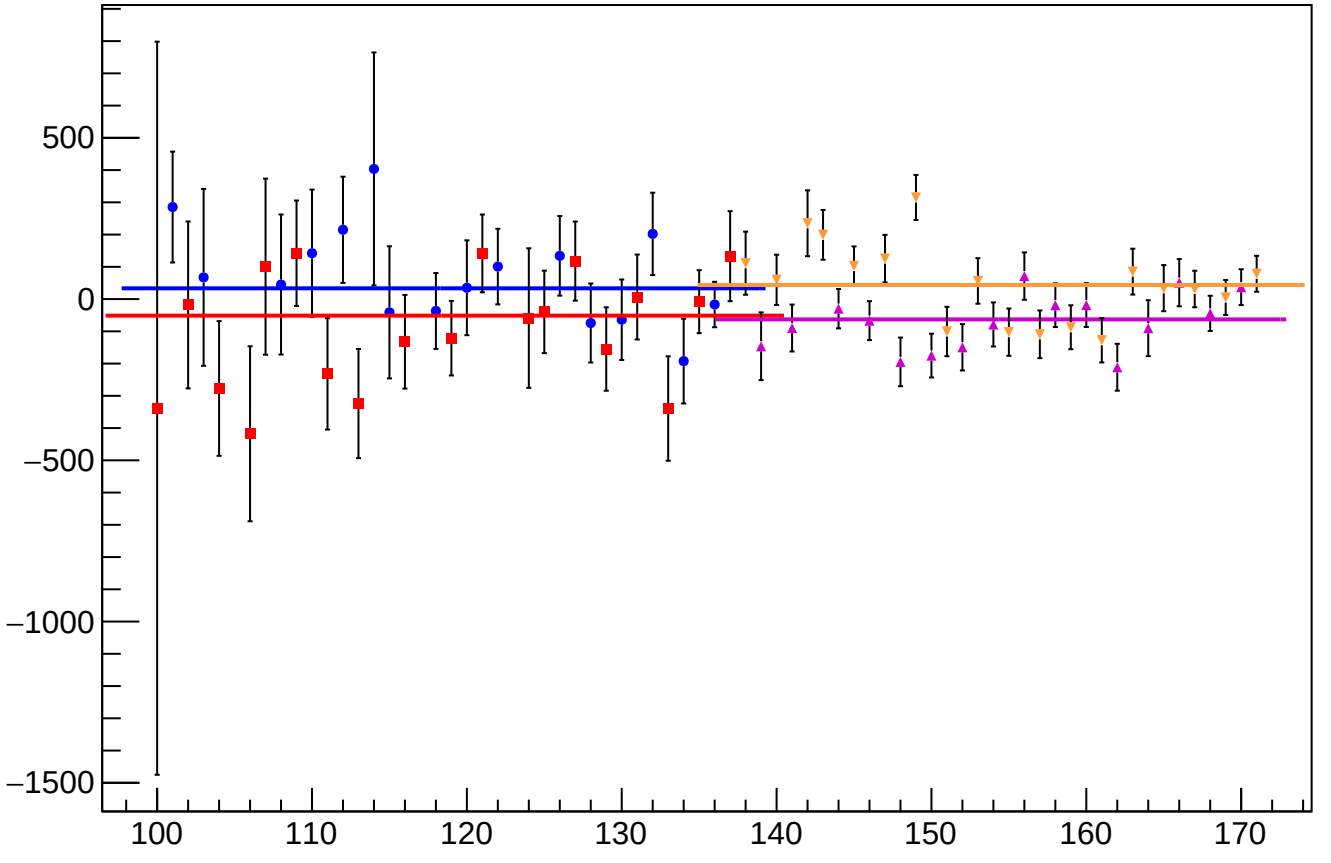
Left In: 0.000+/-0.000 χ^2/NDF:1905773.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 7439885.8/33

All: 0.000+/-0.000 χ^2/NDF: 15663050.6/68

- sign 0.000+/-0.000 χ^2/NDF: 8216922.9/34

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.598+/-16.375 χ^2/NDF:48.4/17

Right Out: -51.335+/-34.851 χ^2/NDF: 19.6/18

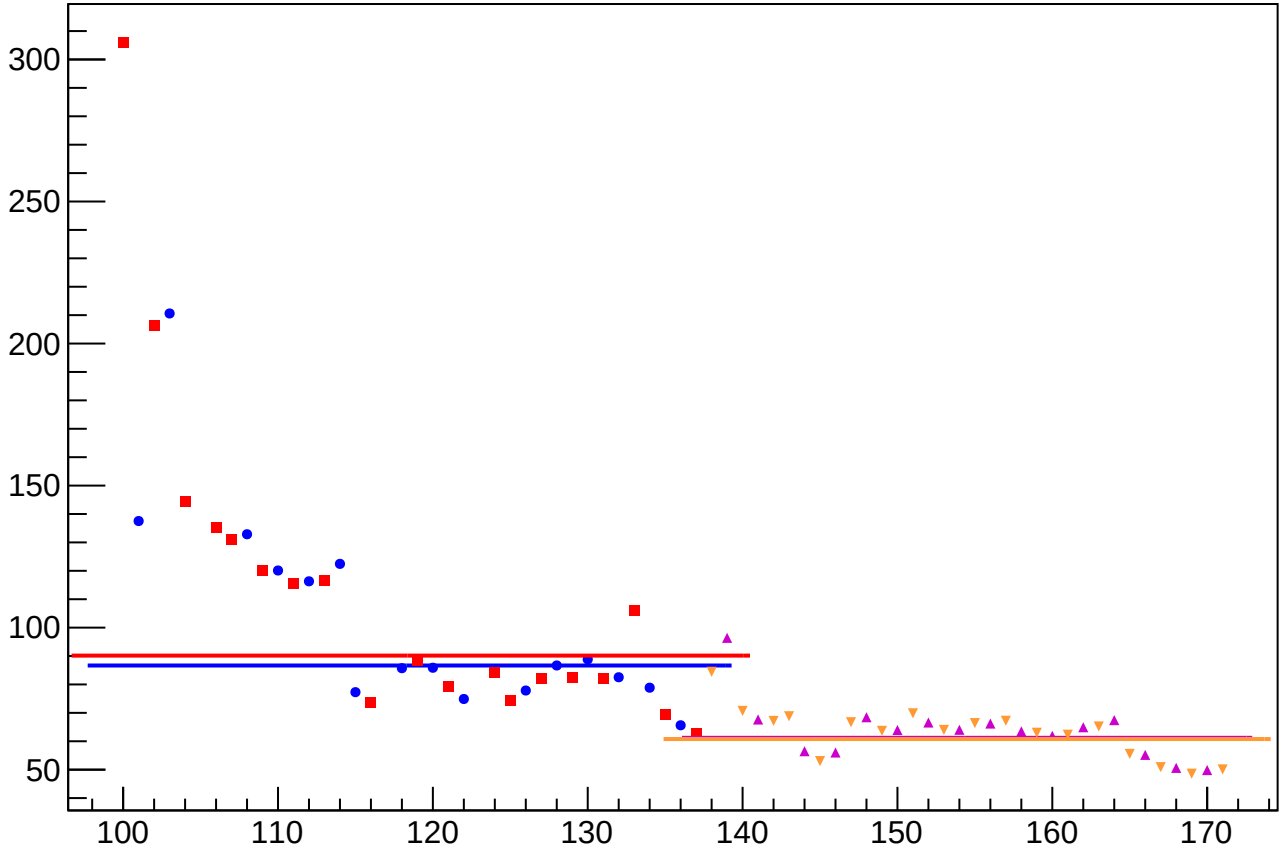
Left In: -62.979+/-17.119 χ^2/NDF:22.6/15

+ sign 41.672+/-14.744 χ^2/NDF: 61.3/33

All: -7.409+/-10.638 χ^2/NDF: 126.7/68

- sign -60.716+/-15.365 χ^2/NDF: 42.2/34

reg_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

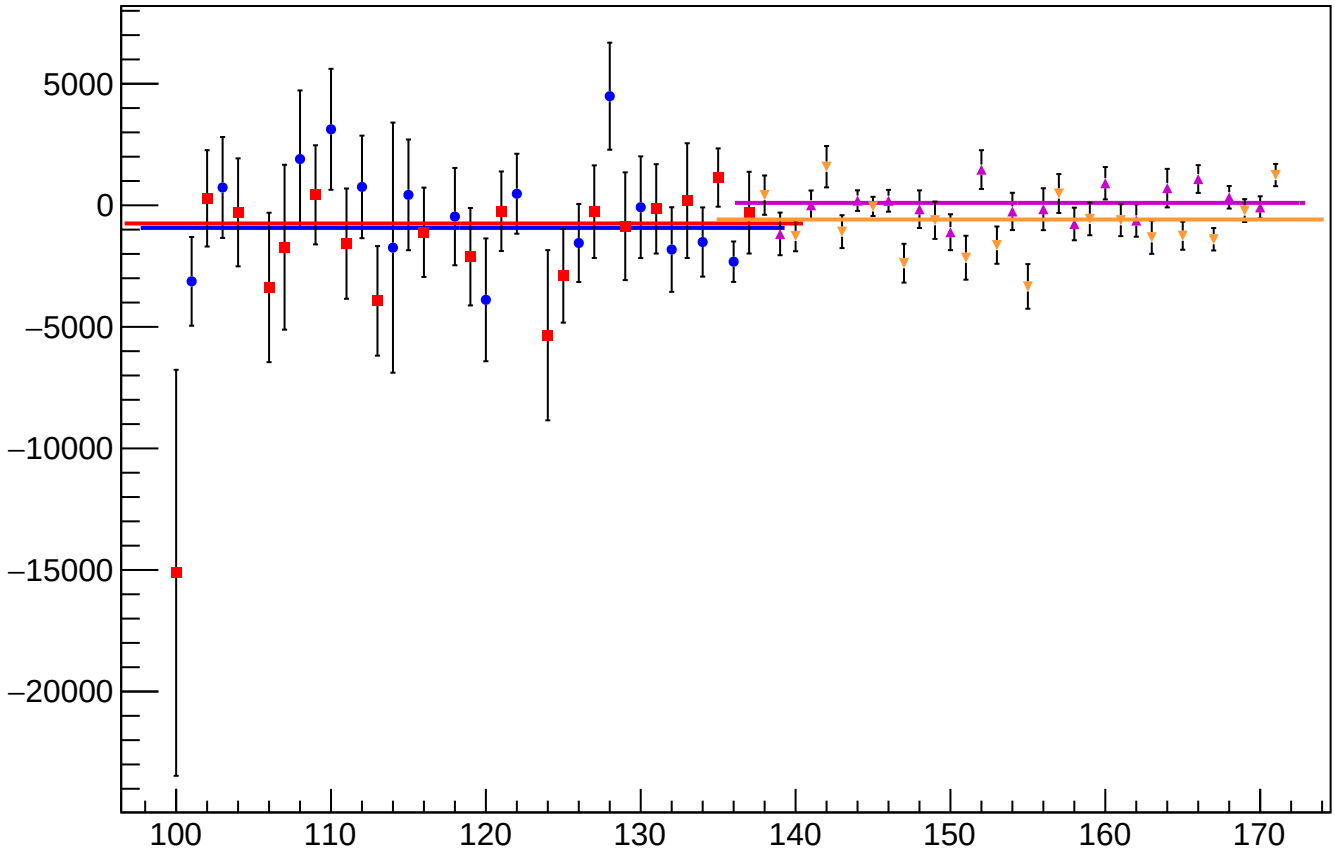
Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

+ sign 65.684+/-0.010 χ^2/NDF: 2529574.6/33

All: 66.238+/-0.008 χ^2/NDF: 5299034.5/68

- sign 66.839+/-0.011 χ^2/NDF: 2763573.6/34



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -584.114+/-146.393 χ^2/NDF:54.5/17

Right Out: -747.199+/-467.902 χ^2/NDF: 13.0/18

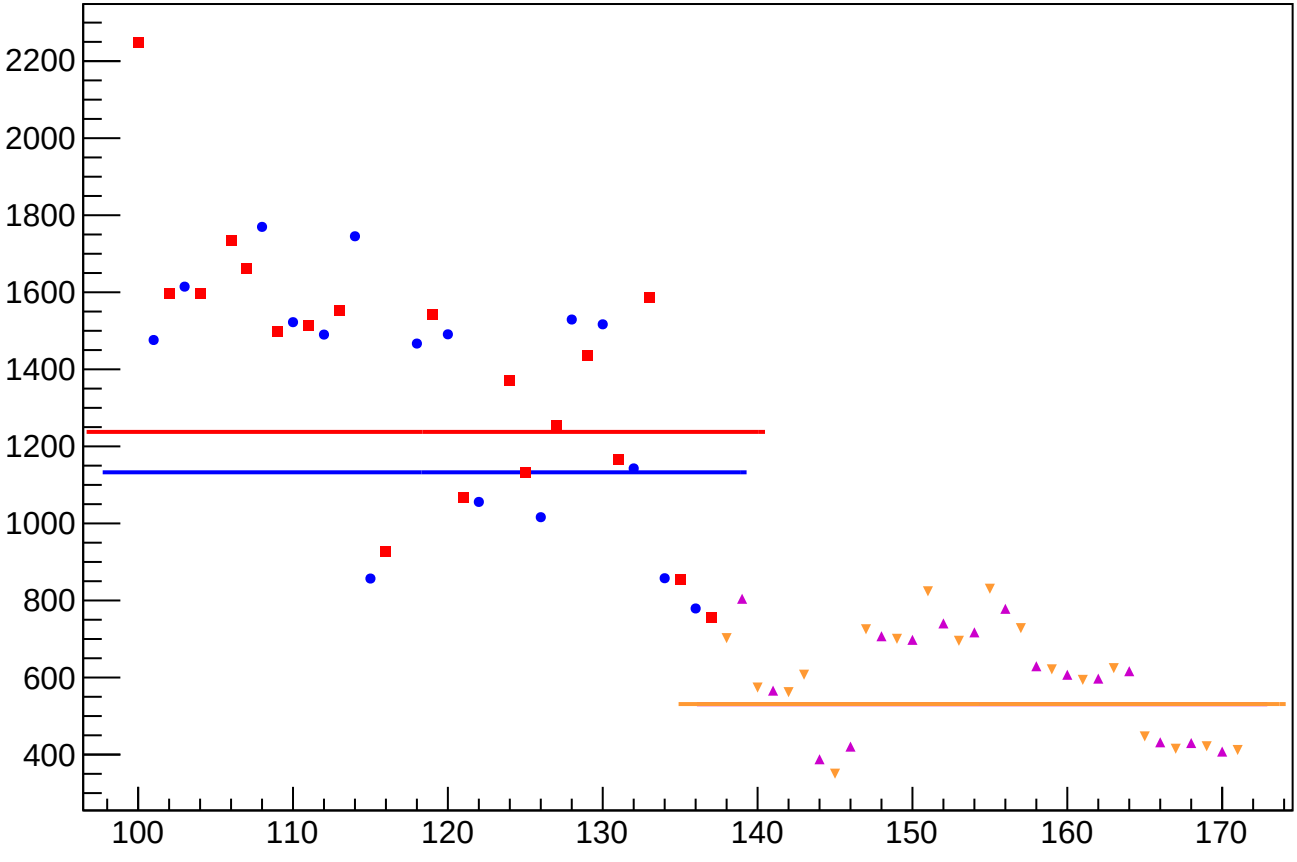
Left In: 100.062+/-151.450 χ^2/NDF:16.5/15

+ sign -618.443+/-138.934 χ^2/NDF: 73.6/33

All: -310.985+/-100.014 χ^2/NDF: 116.3/68

- sign 19.714+/-144.090 χ^2/NDF: 32.5/34

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902399.7/17

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

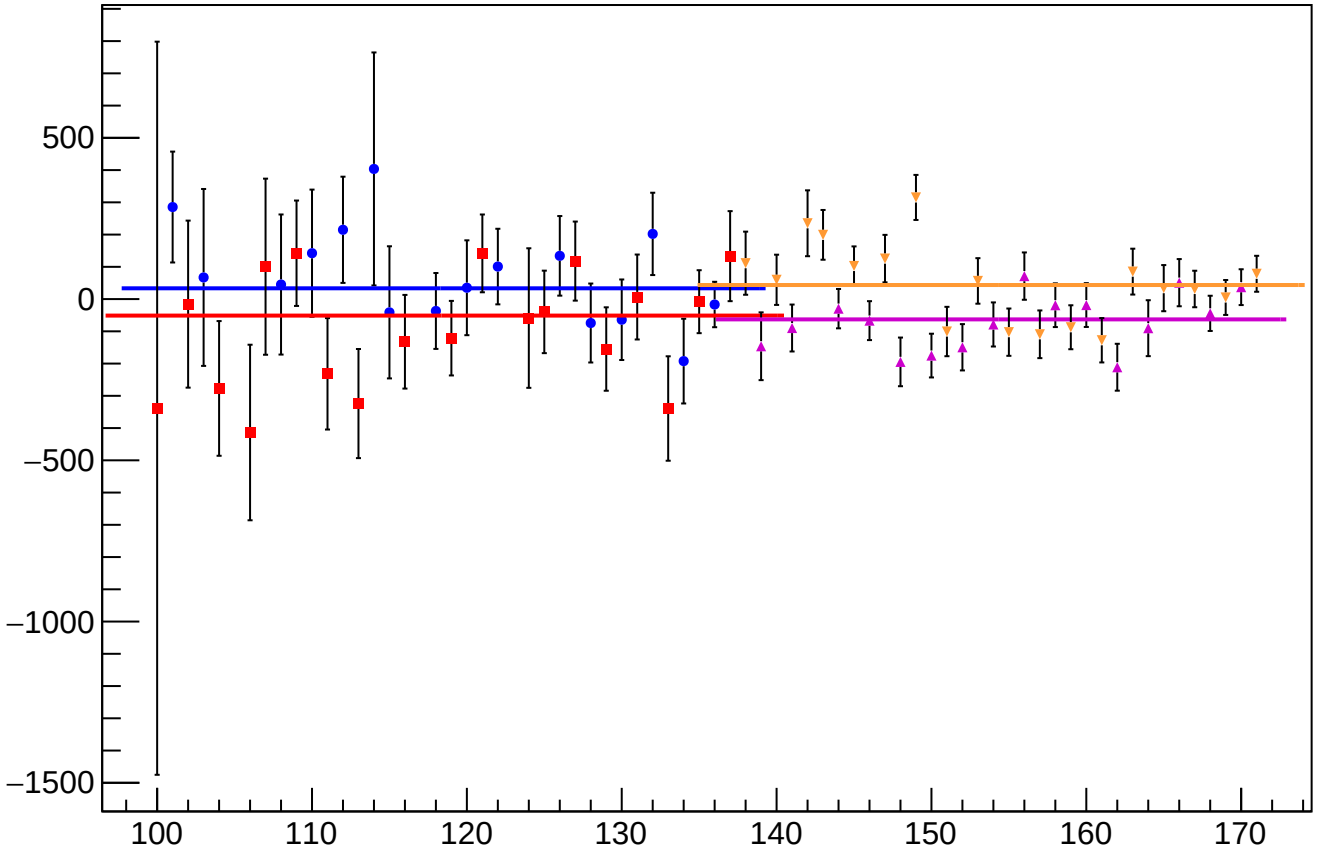
Left In: 530.679+/-0.107 χ^2/NDF:1592568.9/15

\+ sign 590.858+/-0.098 χ^2/NDF: 6380141.5/33

All: 594.162+/-0.071 χ^2/NDF: 13002557.8/68

\- sign 597.717+/-0.102 χ^2/NDF: 6620067.8/34

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.600+/-16.375 χ^2/NDF:48.4/17

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

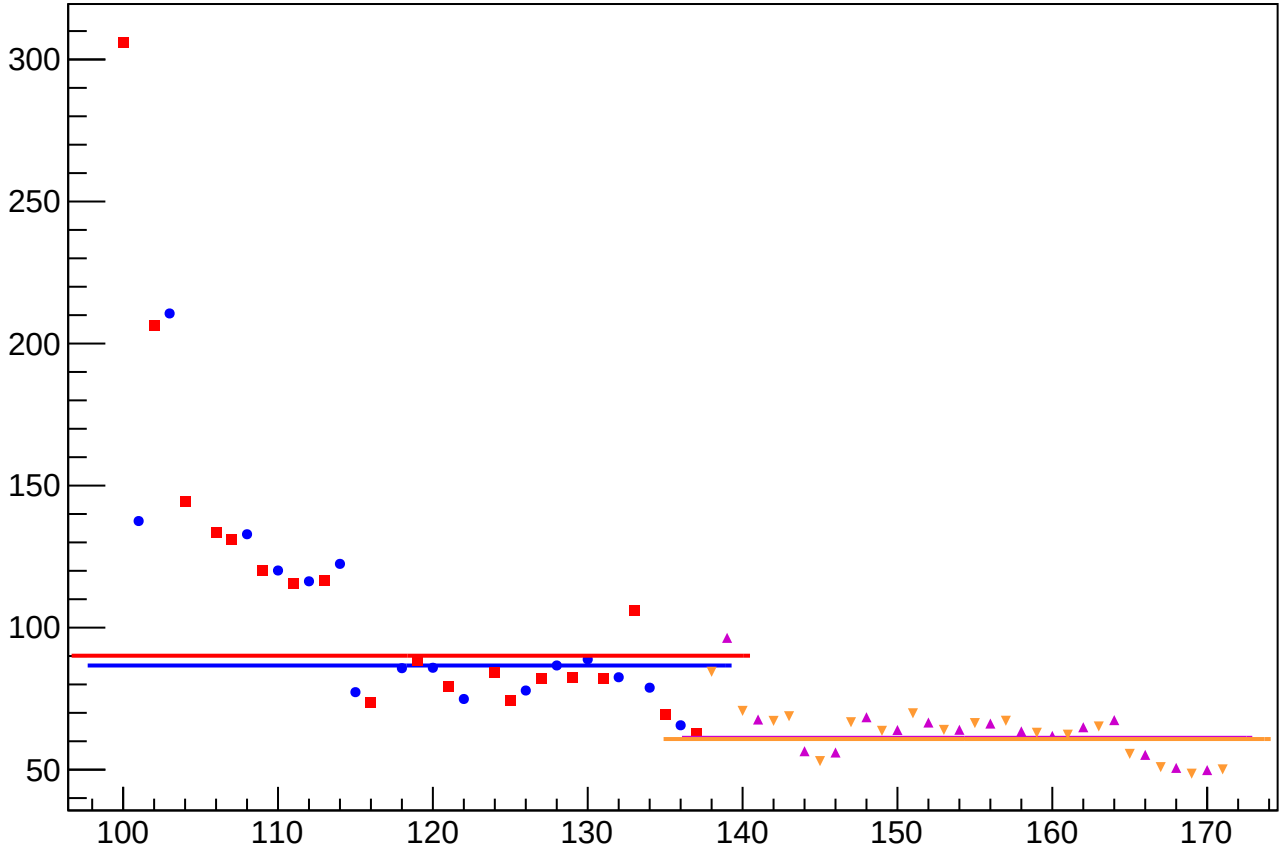
Left In: -62.977+/-17.119 χ^2/NDF:22.6/15

+ sign 41.673+/-14.744 χ^2/NDF: 61.3/33

All: -7.394+/-10.638 χ^2/NDF: 126.6/68

- sign -60.686+/-15.365 χ^2/NDF: 42.2/34

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

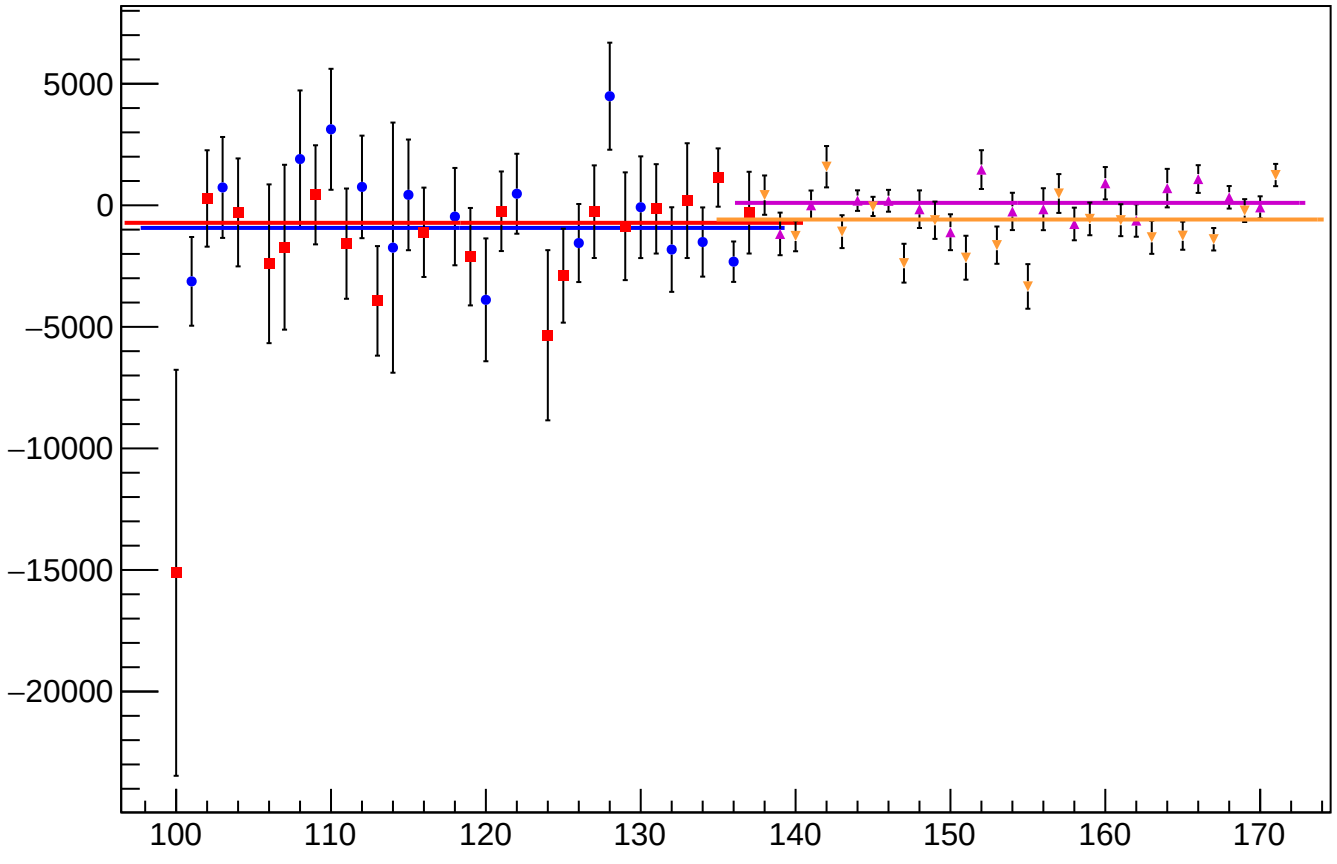
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

+ sign 65.684+/-0.010 χ^2/NDF: 2529576.9/33

All: 66.234+/-0.008 χ^2/NDF: 5291309.7/68

- sign 66.832+/-0.011 χ^2/NDF: 2755925.4/34



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -584.109+/-146.393 χ^2/NDF:54.5/17

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

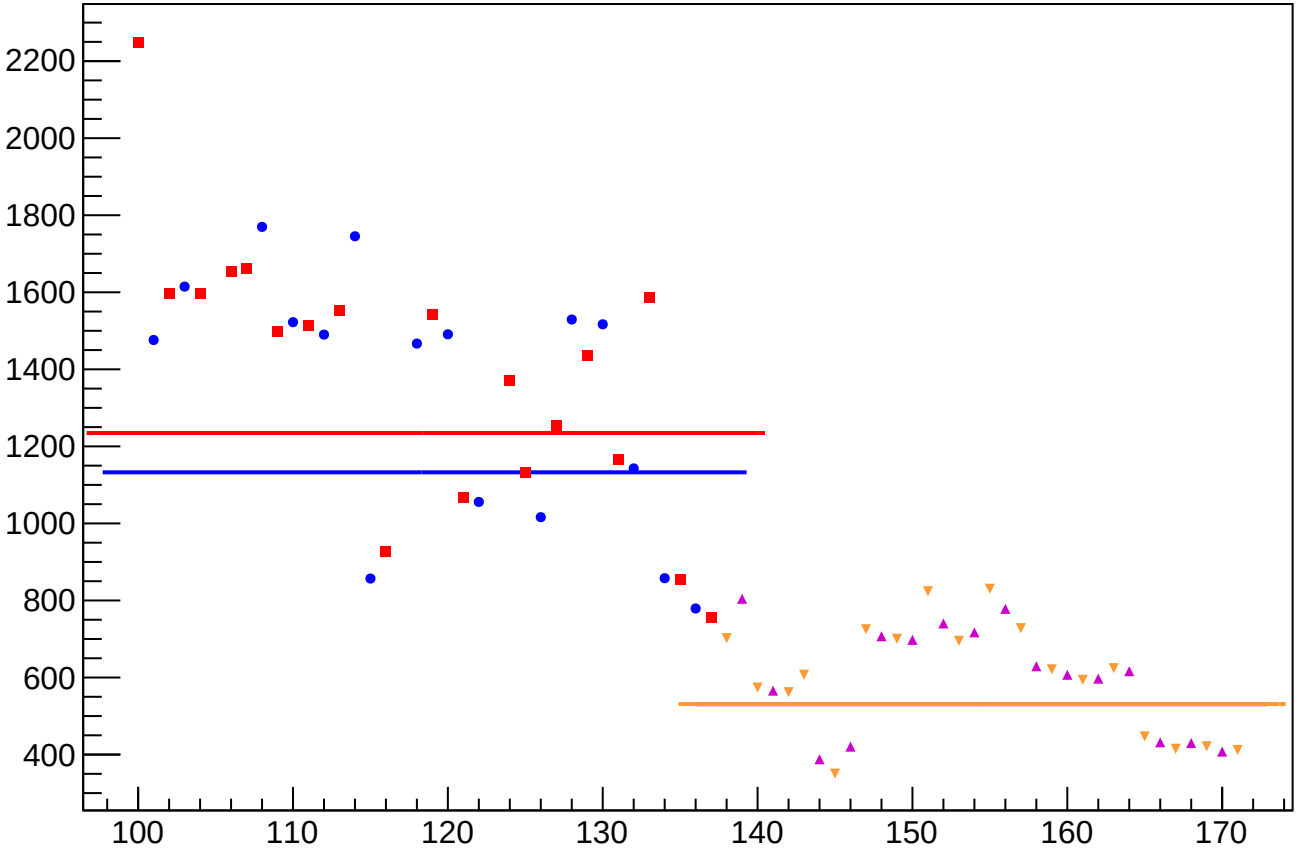
Left In: 100.062+/-151.450 χ^2/NDF:16.5/15

+ sign -618.435+/-138.934 χ^2/NDF: 73.6/33

All: -309.714+/-100.021 χ^2/NDF: 115.7/68

- sign 22.428+/-144.108 χ^2/NDF: 31.8/34

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902403.7/17

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

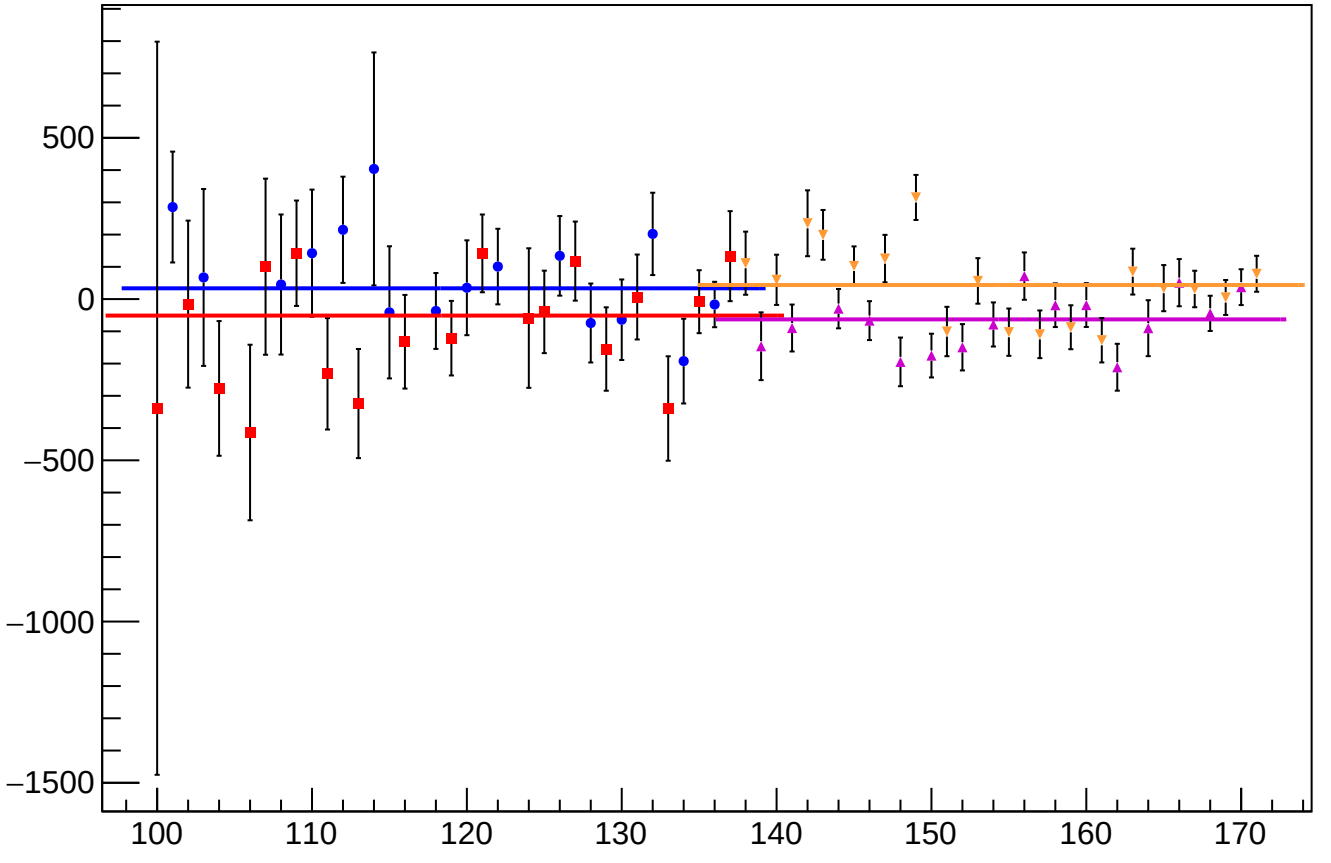
Left In: 530.679+/-0.107 χ^2/NDF:1592569.4/15

+ sign 590.857+/-0.098 χ^2/NDF: 6380183.2/33

All: 593.951+/-0.071 χ^2/NDF: 12939547.3/68

- sign 597.279+/-0.102 χ^2/NDF: 6557305.8/34

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.600+/-16.375 χ^2/NDF:48.4/17

Right Out: -51.188+/-34.853 χ^2/NDF: 19.5/18

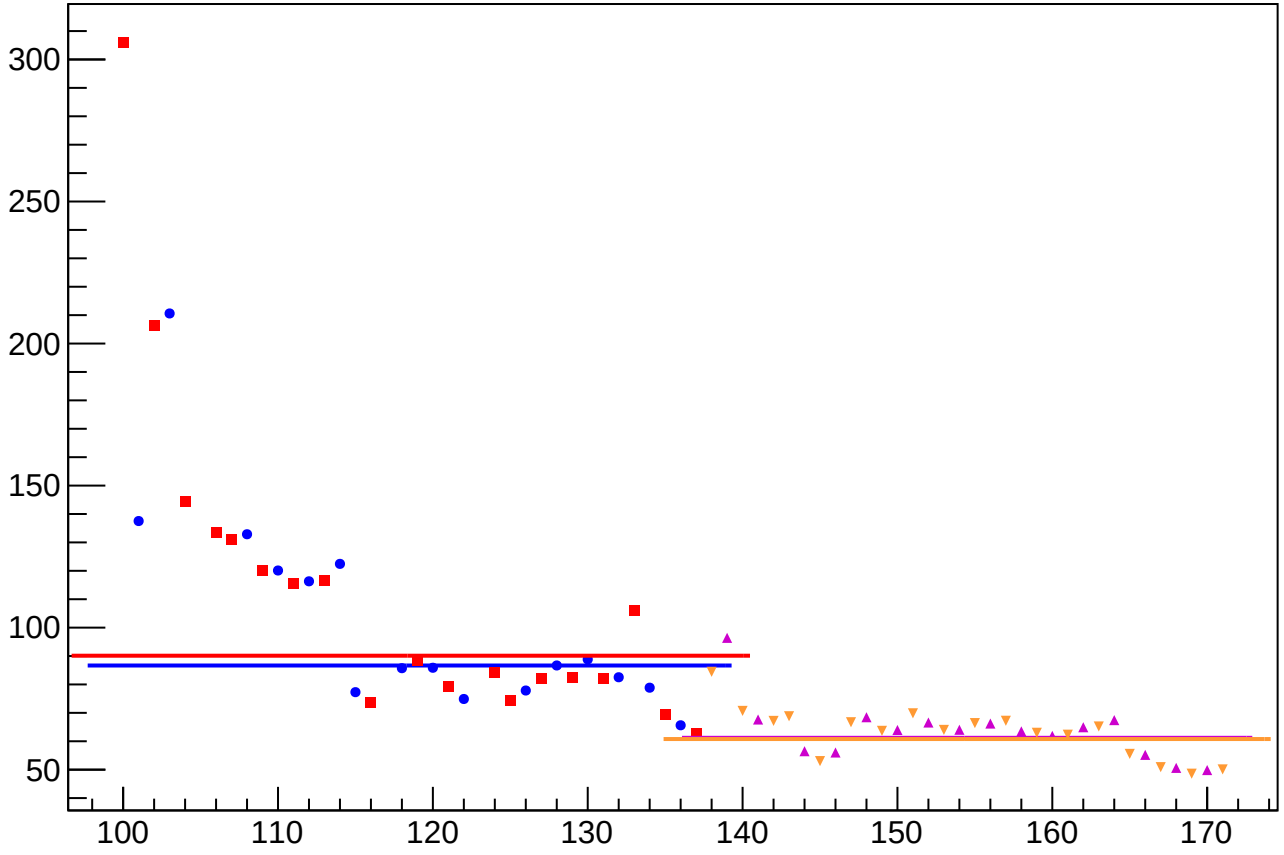
Left In: -62.977+/-17.119 χ^2/NDF:22.6/15

+ sign 41.673+/-14.744 χ^2/NDF: 61.3/33

All: -7.394+/-10.638 χ^2/NDF: 126.6/68

- sign -60.686+/-15.365 χ^2/NDF: 42.2/34

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

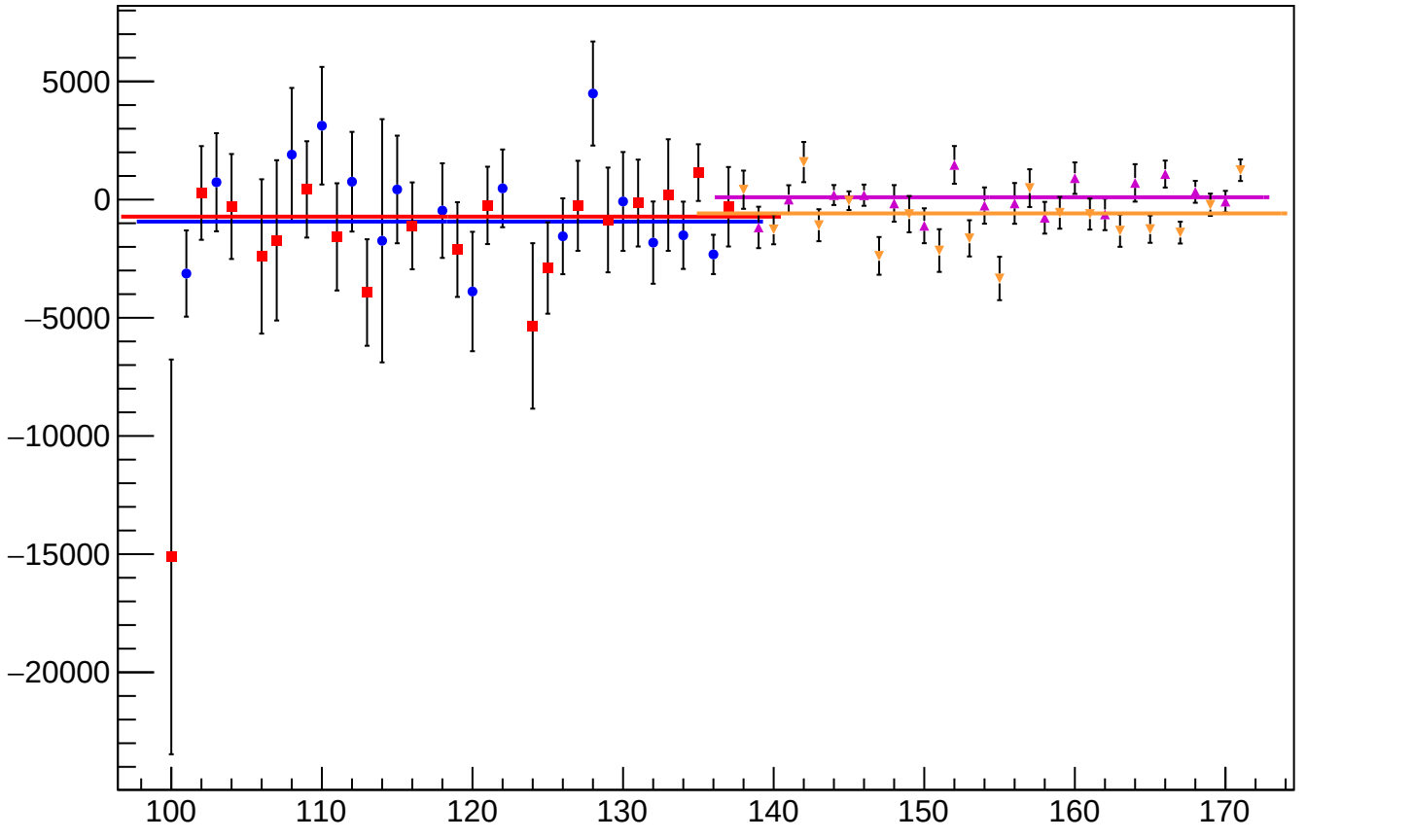
Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 61.215+/-0.012 χ^2/NDF:502676.0/15

+ sign 65.684+/-0.010 χ^2/NDF: 2529576.9/33

All: 66.234+/-0.008 χ^2/NDF: 5291309.7/68

- sign 66.832+/-0.011 χ^2/NDF: 2755925.4/34



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -584.109+/-146.393 χ^2/NDF:54.5/17

Right Out: -720.600+/-468.540 χ^2/NDF: 12.5/18

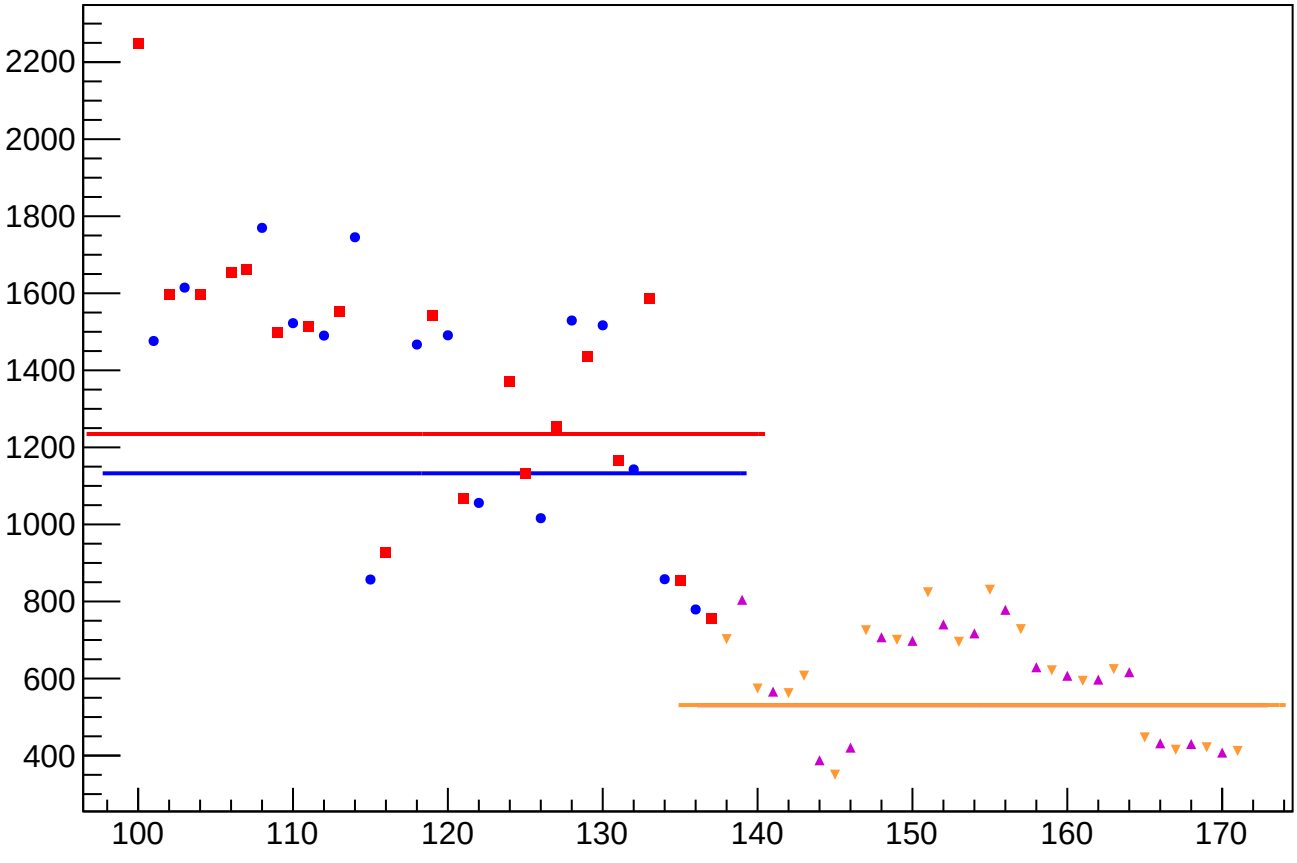
Left In: 100.062+/-151.450 χ^2/NDF:16.5/15

+ sign -618.435+/-138.934 χ^2/NDF: 73.6/33

All: -309.714+/-100.021 χ^2/NDF: 115.7/68

- sign 22.428+/-144.108 χ^2/NDF: 31.8/34

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902403.7/17

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

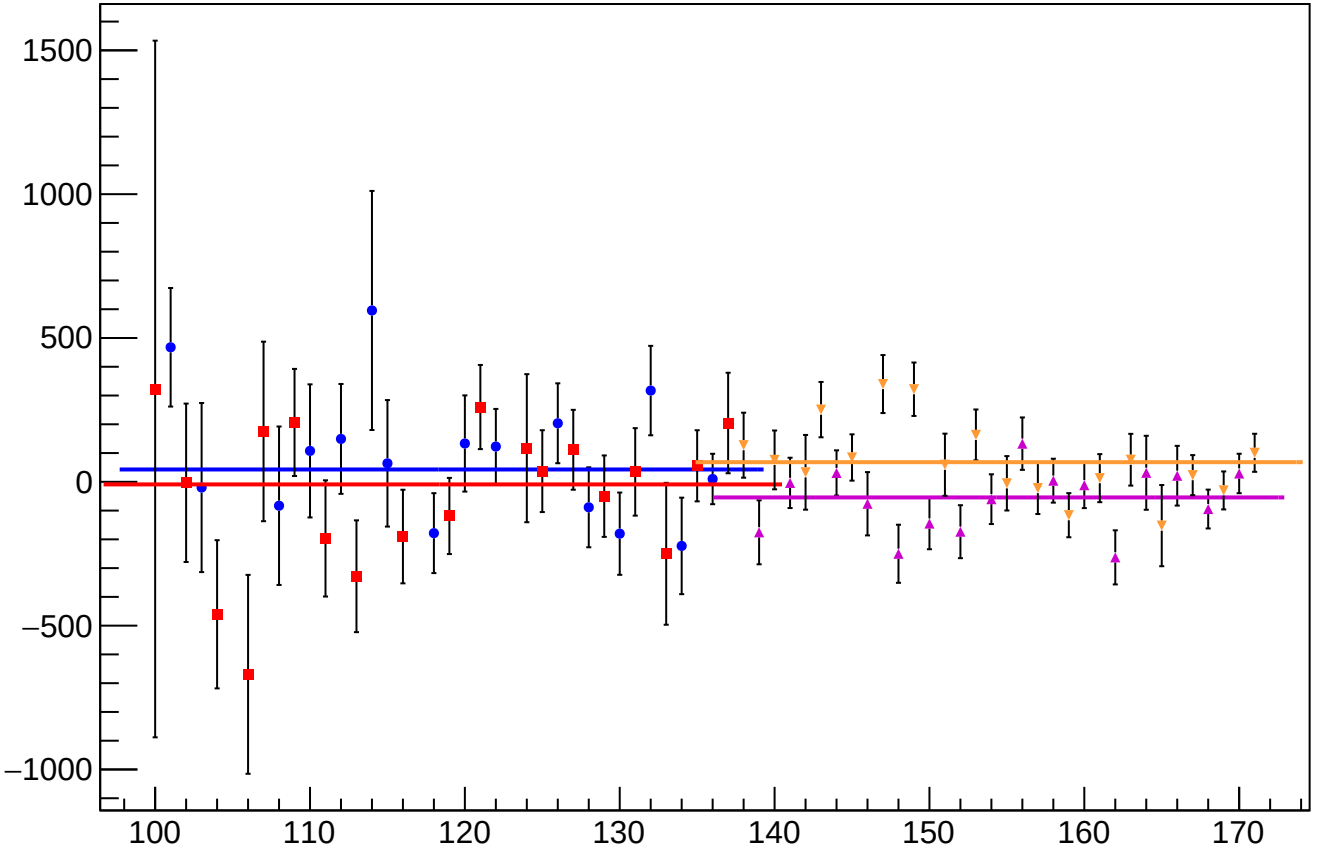
Left In: 530.679+/-0.107 χ^2/NDF:1592569.4/15

+ sign 590.857+/-0.098 χ^2/NDF: 6380183.2/33

All: 593.951+/-0.071 χ^2/NDF: 12939547.3/68

- sign 597.279+/-0.102 χ^2/NDF: 6557305.8/34

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 68.303+/-20.805 χ^2/NDF:33.0/17

Right Out: -8.989+/-41.060 χ^2/NDF: 21.3/18

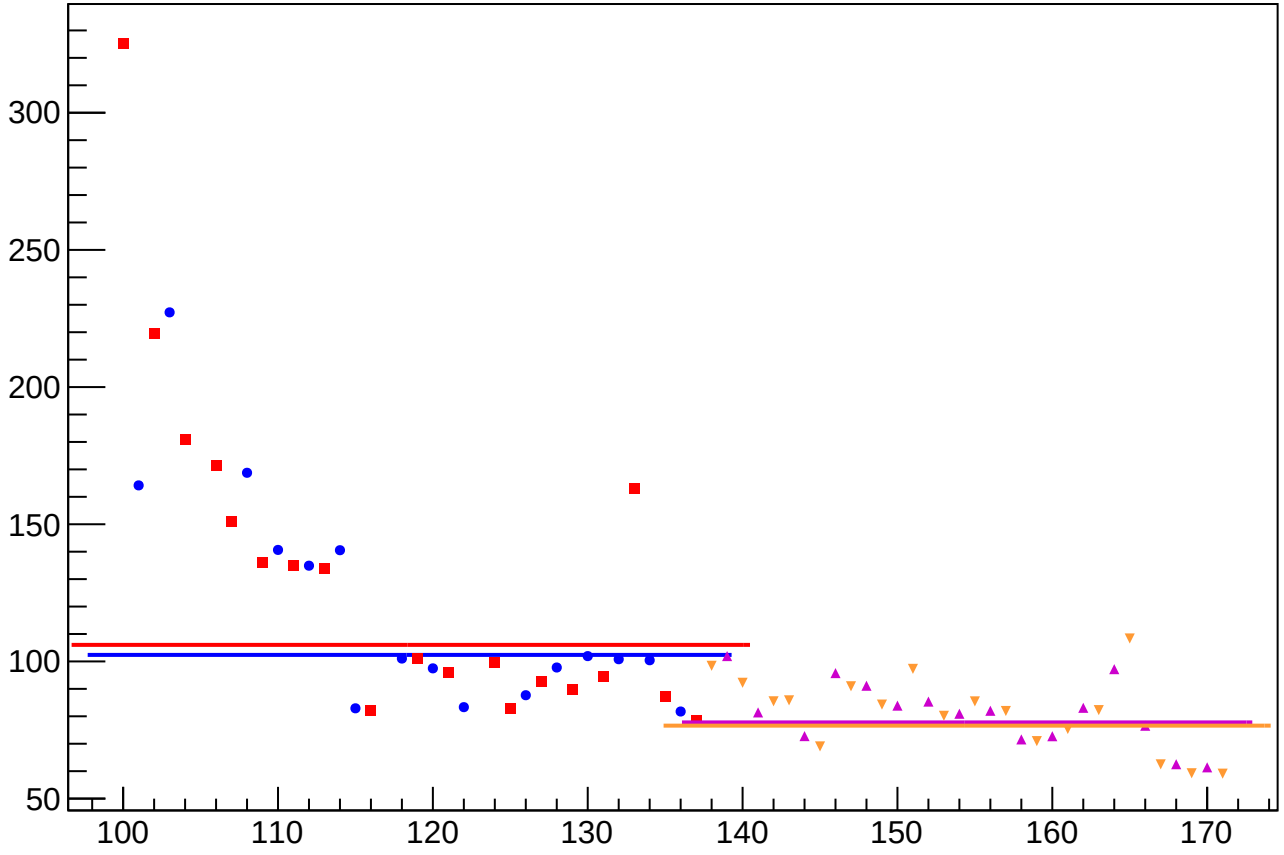
Left In: -54.236+/-21.931 χ^2/NDF:22.0/15

+ sign 62.885+/-18.453 χ^2/NDF: 53.7/33

All: 11.872+/-13.352 χ^2/NDF: 114.0/68

- sign -44.192+/-19.345 χ^2/NDF: 44.3/34

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.595+/-0.015 χ^2/NDF:802986.8/17

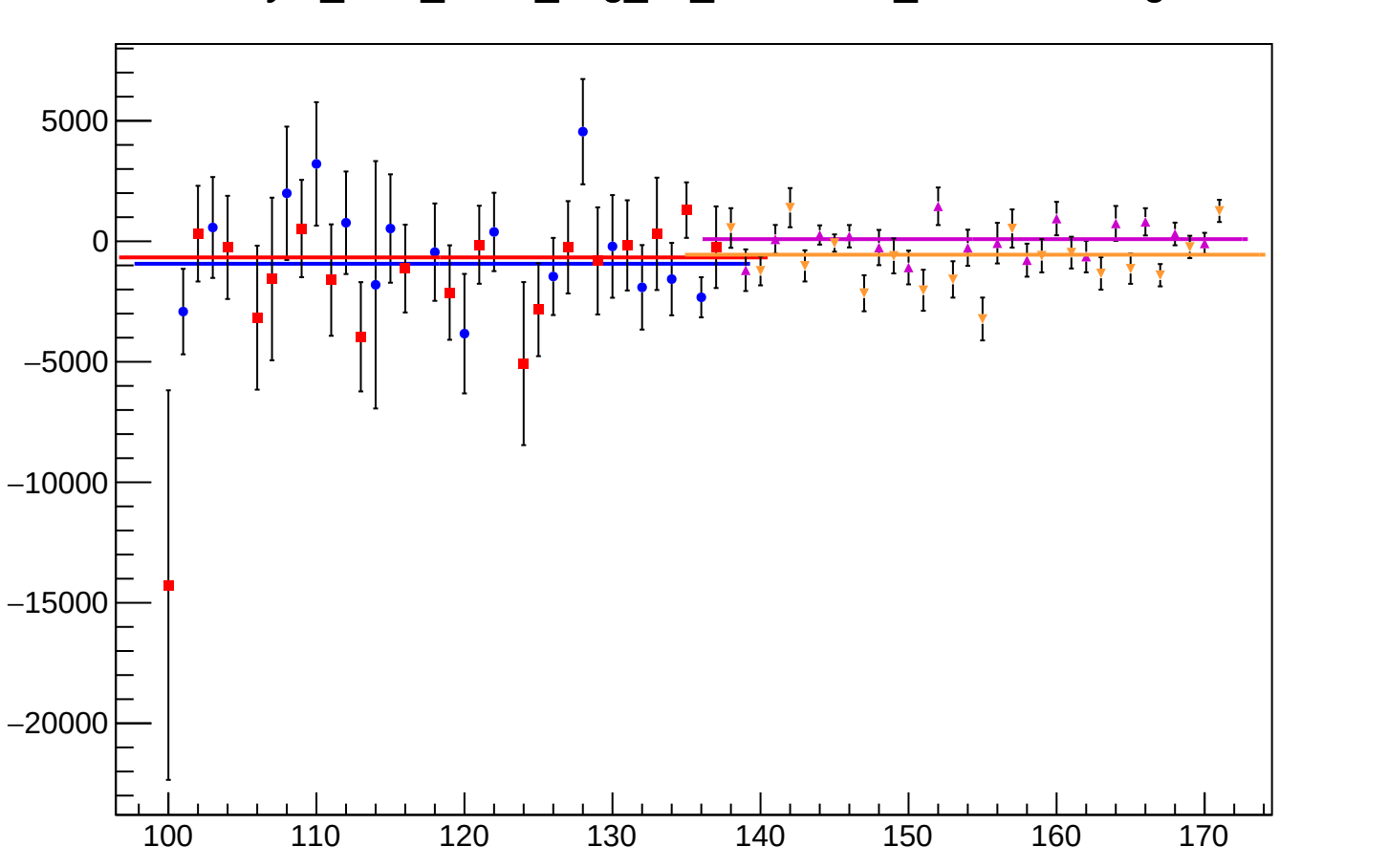
Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 77.773+/-0.016 χ^2/NDF:513924.4/15

+ sign 82.096+/-0.013 χ^2/NDF: 2440691.2/33

All: 83.025+/-0.009 χ^2/NDF: 4893618.8/68

- sign 84.046+/-0.014 χ^2/NDF: 2442289.9/34



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -556.425+/-143.273 χ^2/NDF:53.1/17

Right Out: -668.521+/-463.213 χ^2/NDF: 13.5/18

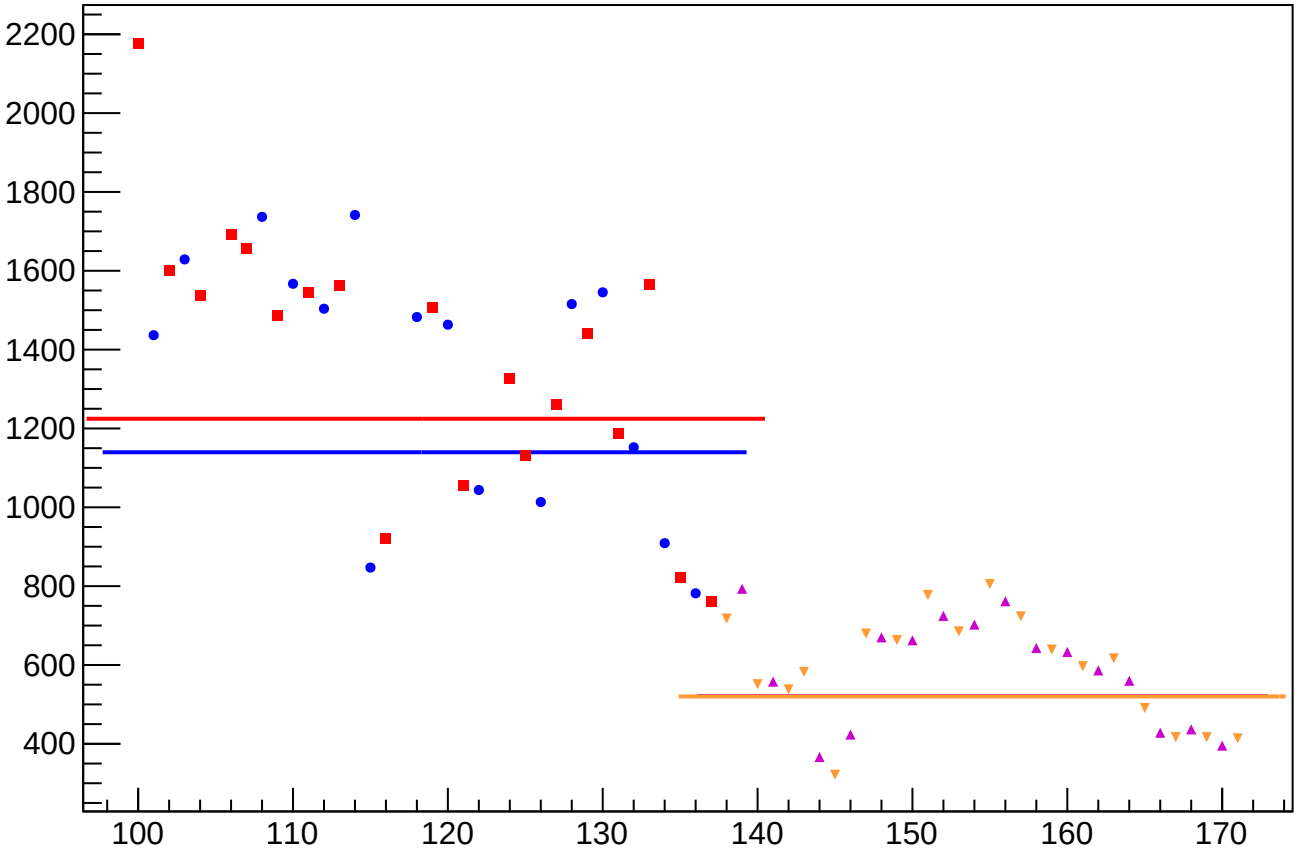
Left In: 89.264+/-149.024 χ^2/NDF:16.0/15

+ sign -592.065+/-136.313 χ^2/NDF: 72.2/33

All: -299.110+/-98.292 χ^2/NDF: 113.8/68

- sign 18.188+/-141.863 χ^2/NDF: 31.9/34

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 520.239+/-0.101 χ^2/NDF:1971452.1/17

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

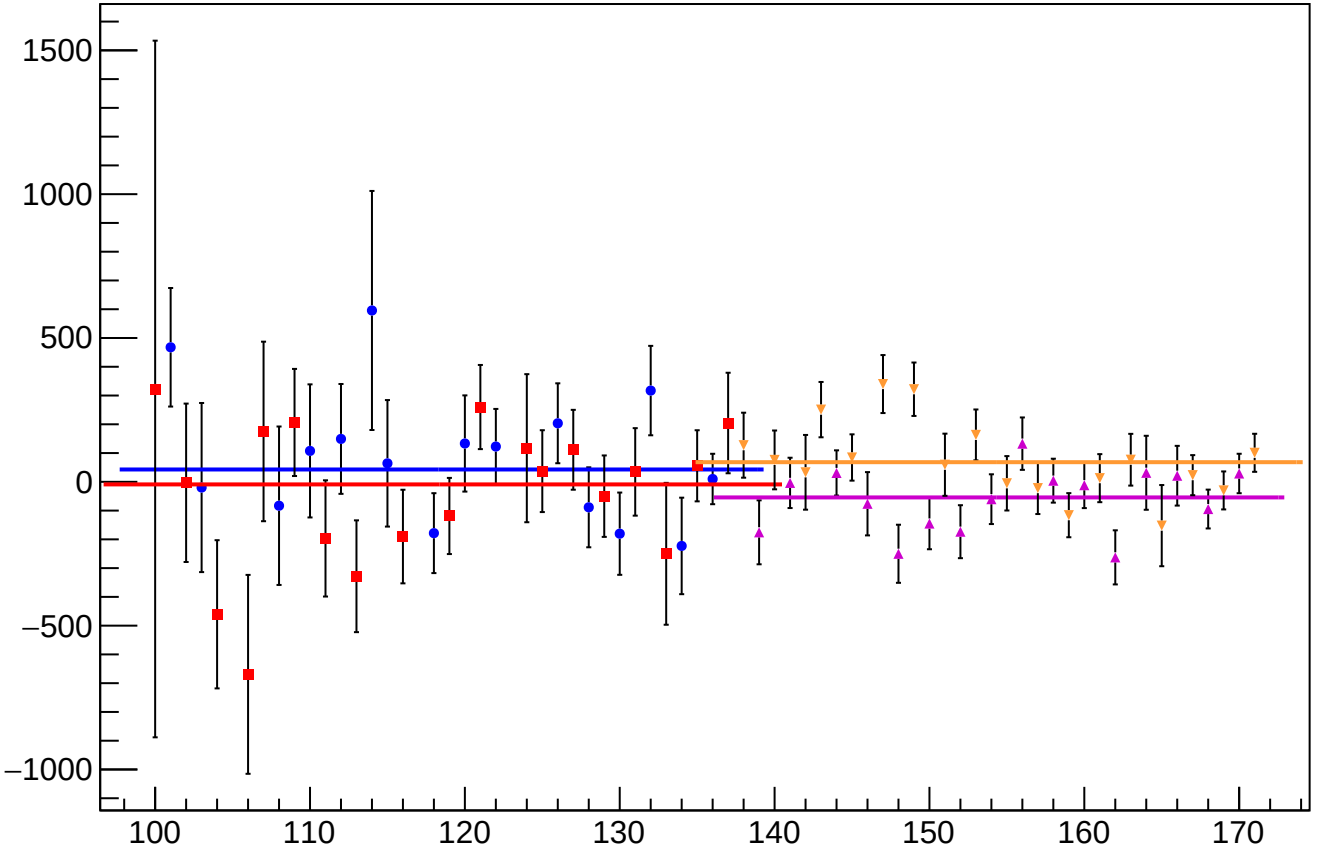
Left In: 521.350+/-0.105 χ^2/NDF:1595742.7/15

+ sign 578.960+/-0.096 χ^2/NDF: 6608721.9/33

All: 582.971+/-0.070 χ^2/NDF: 13308381.7/68

- sign 587.315+/-0.100 χ^2/NDF: 6696052.5/34

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 68.302+/-20.805 χ^2/NDF:33.0/17

Right Out: -8.986+/-41.060 χ^2/NDF: 21.3/18

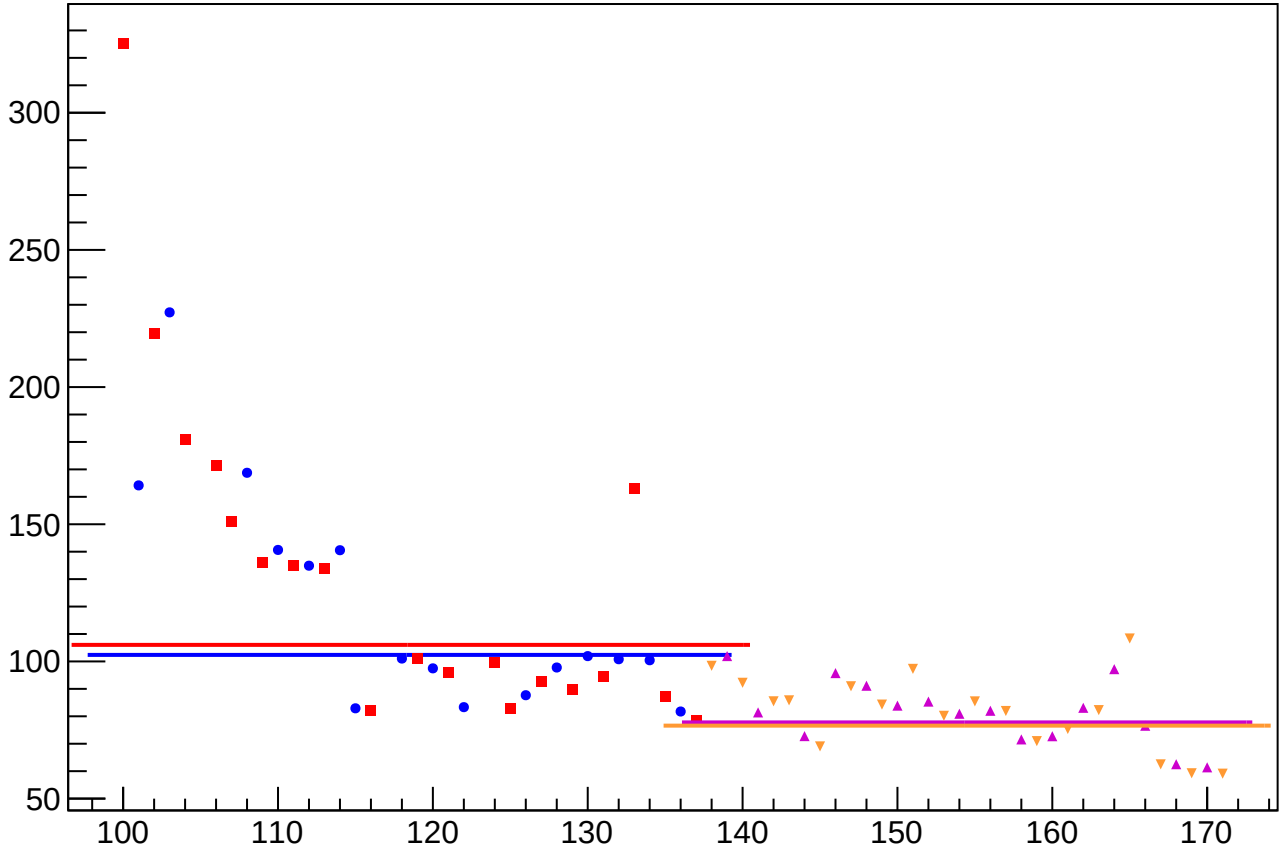
Left In: -54.234+/-21.931 χ^2/NDF:22.0/15

+ sign 62.885+/-18.453 χ^2/NDF: 53.7/33

All: 11.872+/-13.352 χ^2/NDF: 114.0/68

- sign -44.190+/-19.345 χ^2/NDF: 44.3/34

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.595+/-0.015 χ^2/NDF:802978.9/17

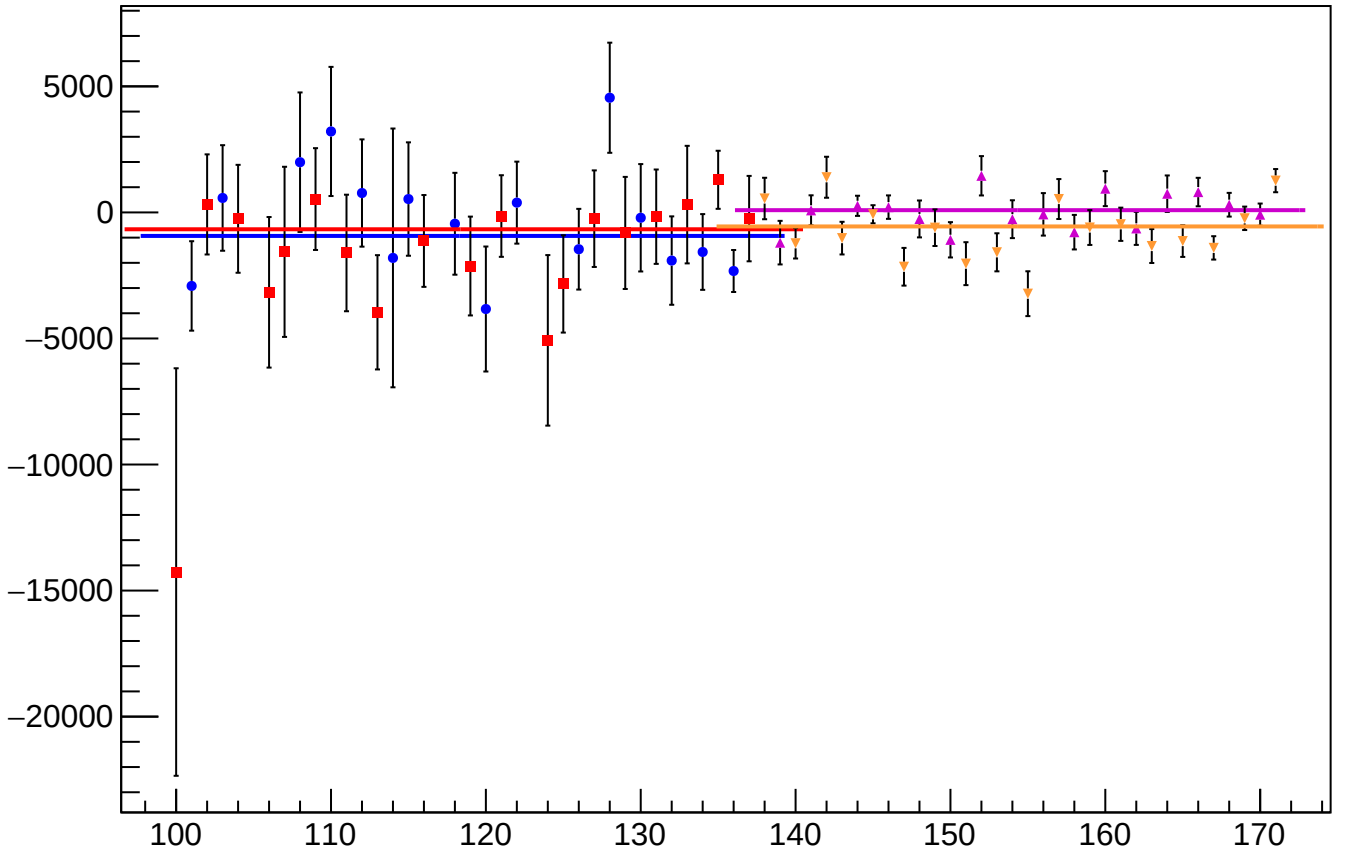
Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 77.774+/-0.016 χ^2/NDF:513916.4/15

+ sign 82.097+/-0.013 χ^2/NDF: 2440653.7/33

All: 83.025+/-0.009 χ^2/NDF: 4893552.7/68

- sign 84.046+/-0.014 χ^2/NDF: 2442260.4/34



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -556.424+/-143.273 χ^2/NDF:53.1/17

Right Out: -668.522+/-463.212 χ^2/NDF: 13.5/18

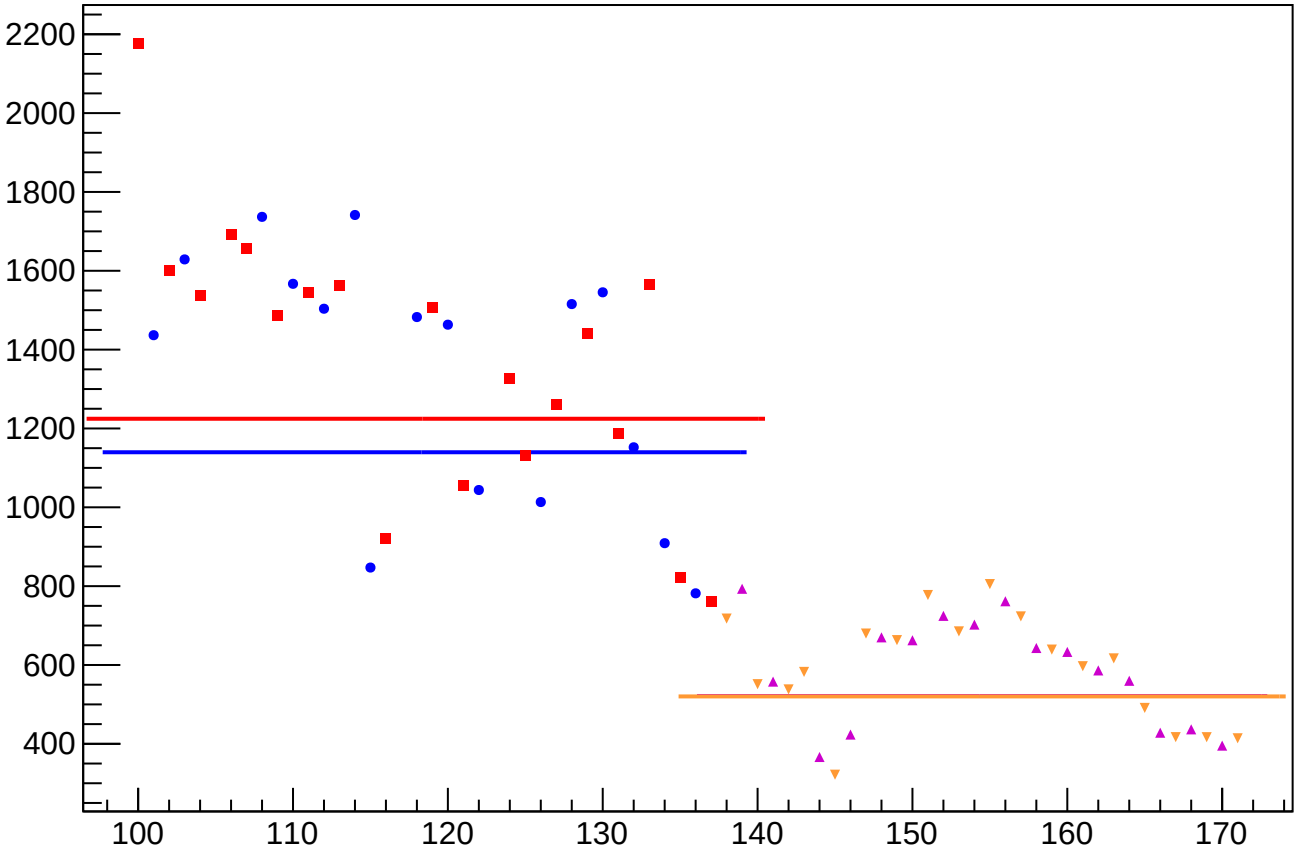
Left In: 89.265+/-149.024 χ^2/NDF:16.0/15

+ sign -592.064+/-136.313 χ^2/NDF: 72.2/33

All: -299.109+/-98.291 χ^2/NDF: 113.8/68

- sign 18.188+/-141.863 χ^2/NDF: 31.9/34

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 520.237+/-0.101 χ^2/NDF:1971471.4/17

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

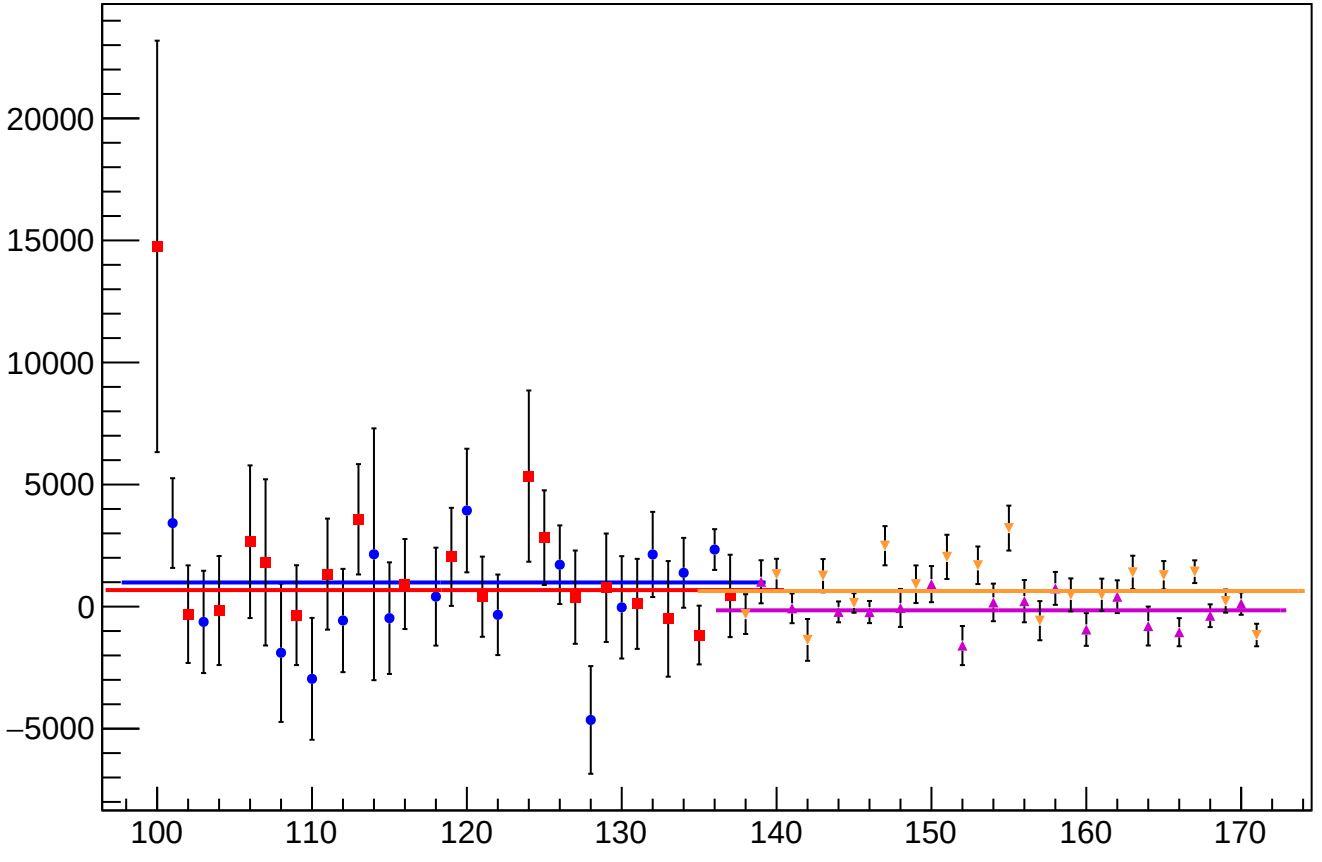
Left In: 521.350+/-0.105 χ^2/NDF:1595749.7/15

+ sign 578.958+/-0.096 χ^2/NDF: 6608738.0/33

All: 582.970+/-0.070 χ^2/NDF: 13308396.8/68

- sign 587.314+/-0.100 χ^2/NDF: 6696051.0/34

asym_sam_3726_avg_mean vs Slug



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 639.299+/-147.443 χ^2/NDF:51.7/17

Right Out: 677.628+/-469.652 χ^2/NDF: 11.9/18

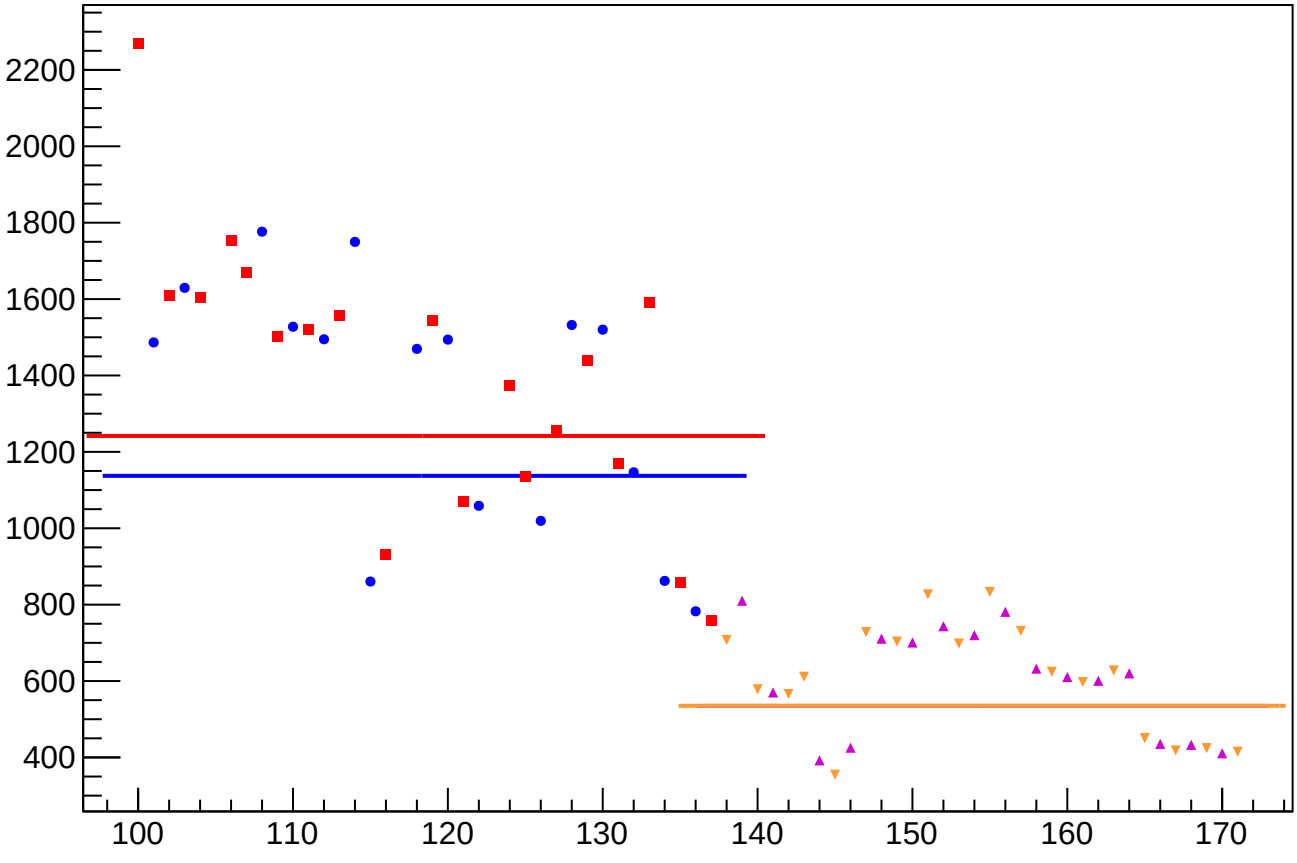
Left In: -152.127+/-152.577 χ^2/NDF:15.0/15

+ sign 674.258+/-139.887 χ^2/NDF: 71.3/33

All: 314.365+/-100.711 χ^2/NDF: 114.8/68

- sign -72.914+/-145.111 χ^2/NDF: 29.8/34

asym_sam_3726_avg_rms vs Slug



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 535.217+/-0.104 χ^2/NDF:1873687.4/17

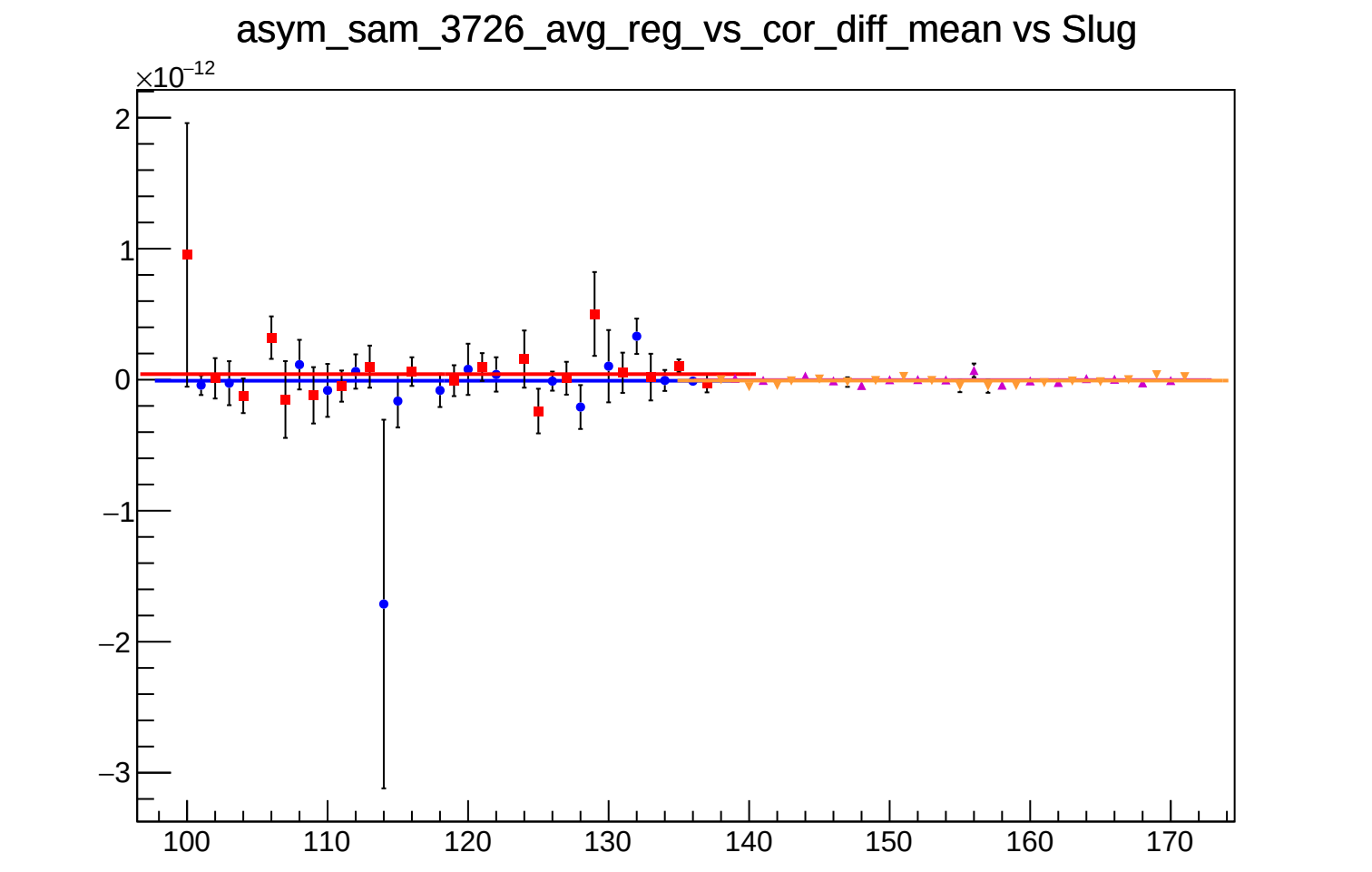
Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 534.909+/-0.108 χ^2/NDF:1567616.2/15

+ sign 595.343+/-0.099 χ^2/NDF: 6327331.6/33

All: 598.734+/-0.071 χ^2/NDF: 12894096.0/68

- sign 602.384+/-0.103 χ^2/NDF: 6564323.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

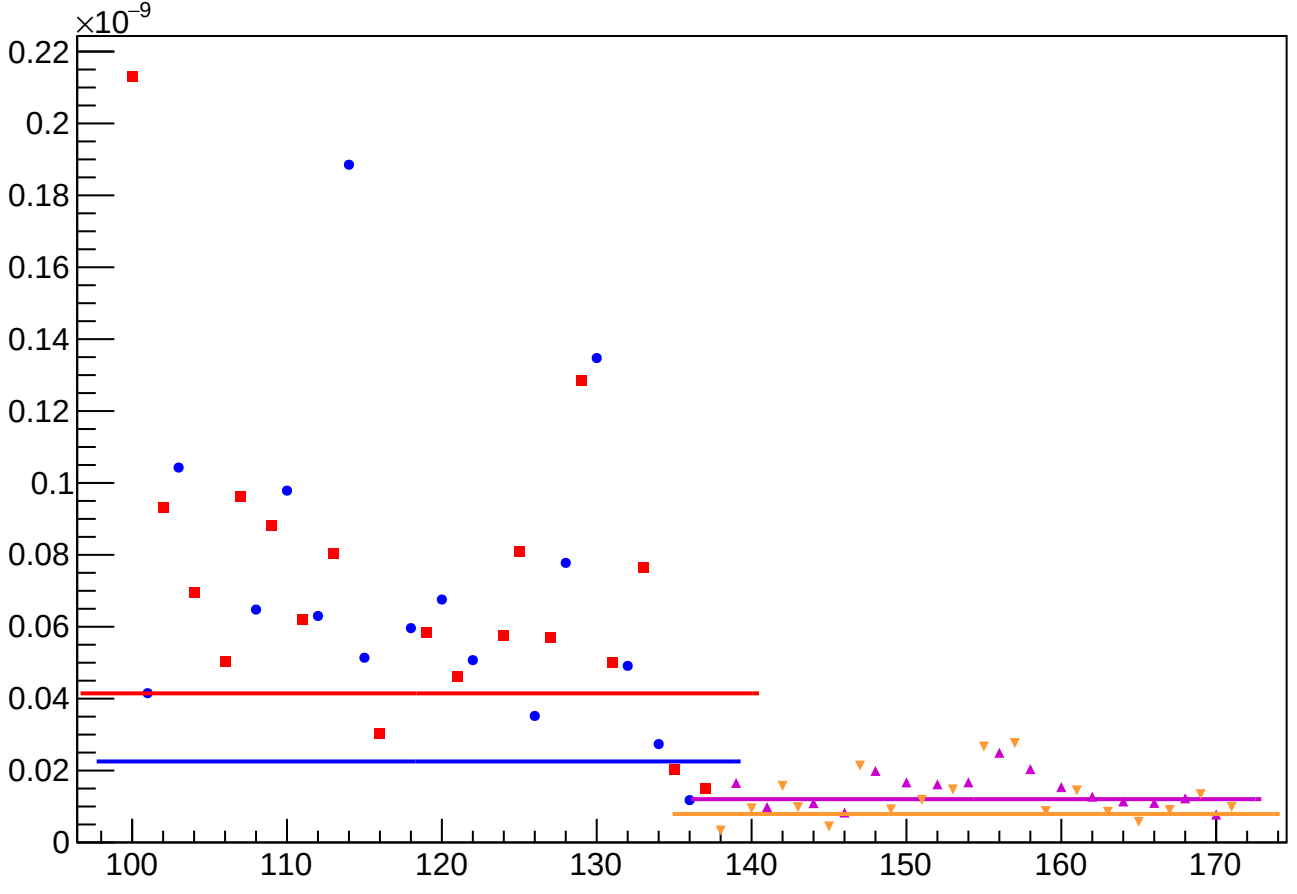
Left In: -0.000+/-0.000 χ^2/NDF:10.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/33

All: -0.000+/-0.000 χ^2/NDF: 66.6/68

- sign -0.000+/-0.000 χ^2/NDF: 28.6/34

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2327174.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

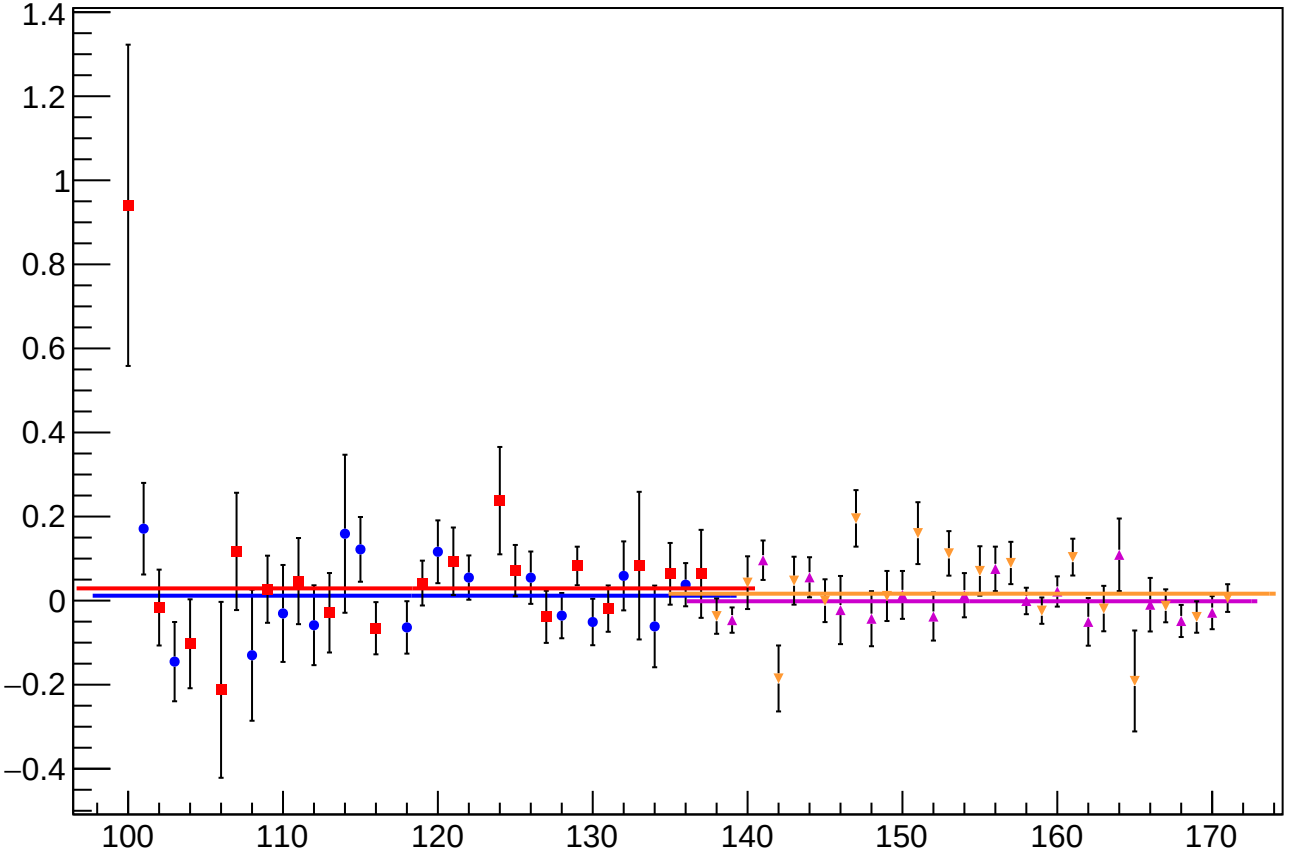
Left In: 0.000+/-0.000 χ^2/NDF:903113.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 6522852.6/33

All: 0.000+/-0.000 χ^2/NDF: 12431706.3/68

- sign 0.000+/-0.000 χ^2/NDF: 5013474.2/34

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: 0.016+/-0.011 χ^2/NDF:37.8/17

Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

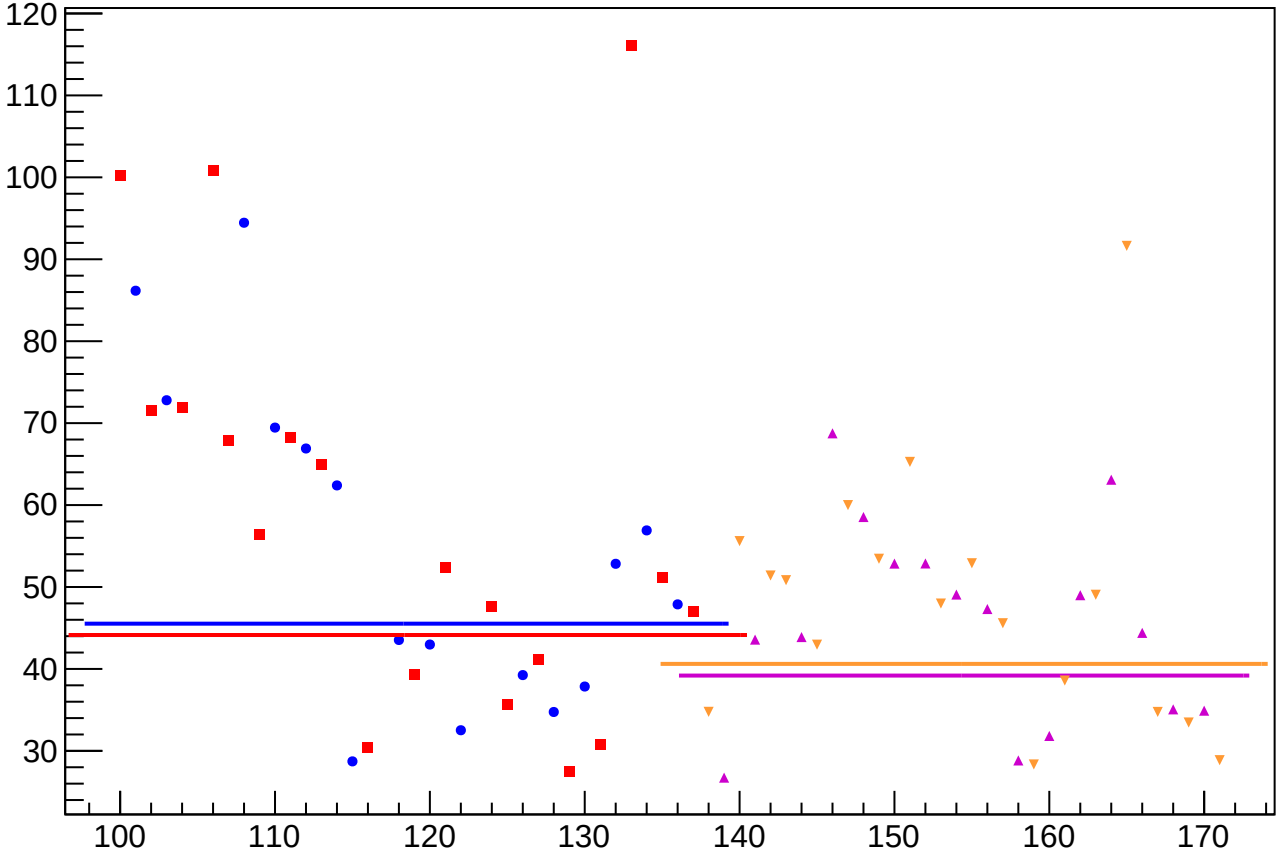
Left In: -0.002+/-0.012 χ^2/NDF:15.9/15

+ sign 0.015+/-0.010 χ^2/NDF: 54.7/33

All: 0.011+/-0.007 χ^2/NDF: 92.6/68

- sign 0.007+/-0.010 χ^2/NDF: 37.5/34

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: 40.616+/-0.008 χ^2/NDF:1981178.6/17

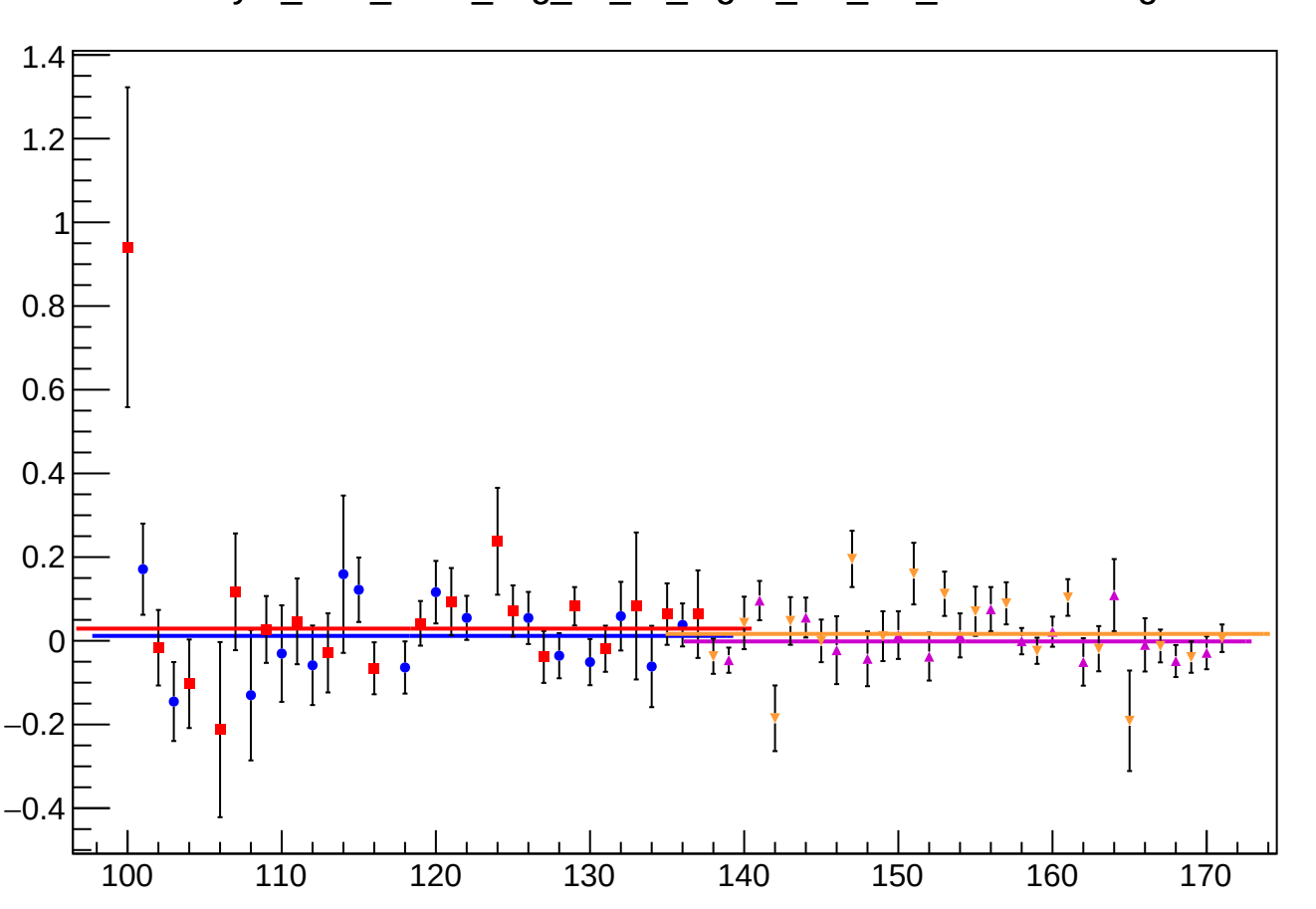
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.190+/-0.008 χ^2/NDF:1741226.3/15

+ sign 41.993+/-0.007 χ^2/NDF: 3338479.6/33

All: 41.318+/-0.005 χ^2/NDF: 6950717.5/68

- sign 40.645+/-0.007 χ^2/NDF: 3592904.9/34



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:37.8/17

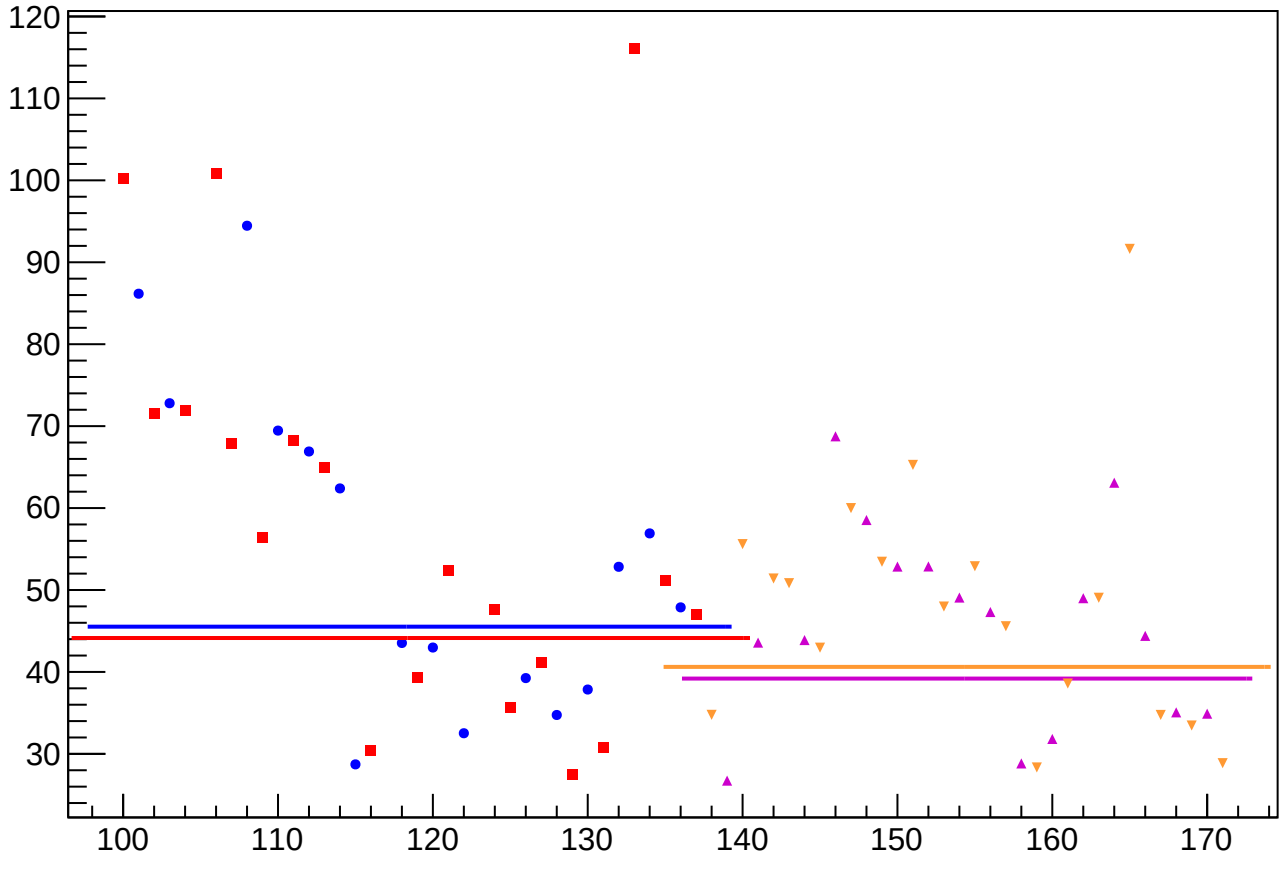
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.002+/-0.012 χ^2/NDF:15.9/15

+ sign 0.015+/-0.010 χ^2/NDF: 54.7/33

All: 0.011+/-0.007 χ^2/NDF: 92.6/68

- sign 0.007+/-0.010 χ^2/NDF: 37.5/34



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.616+/-0.008 χ^2/NDF:1981178.6/17

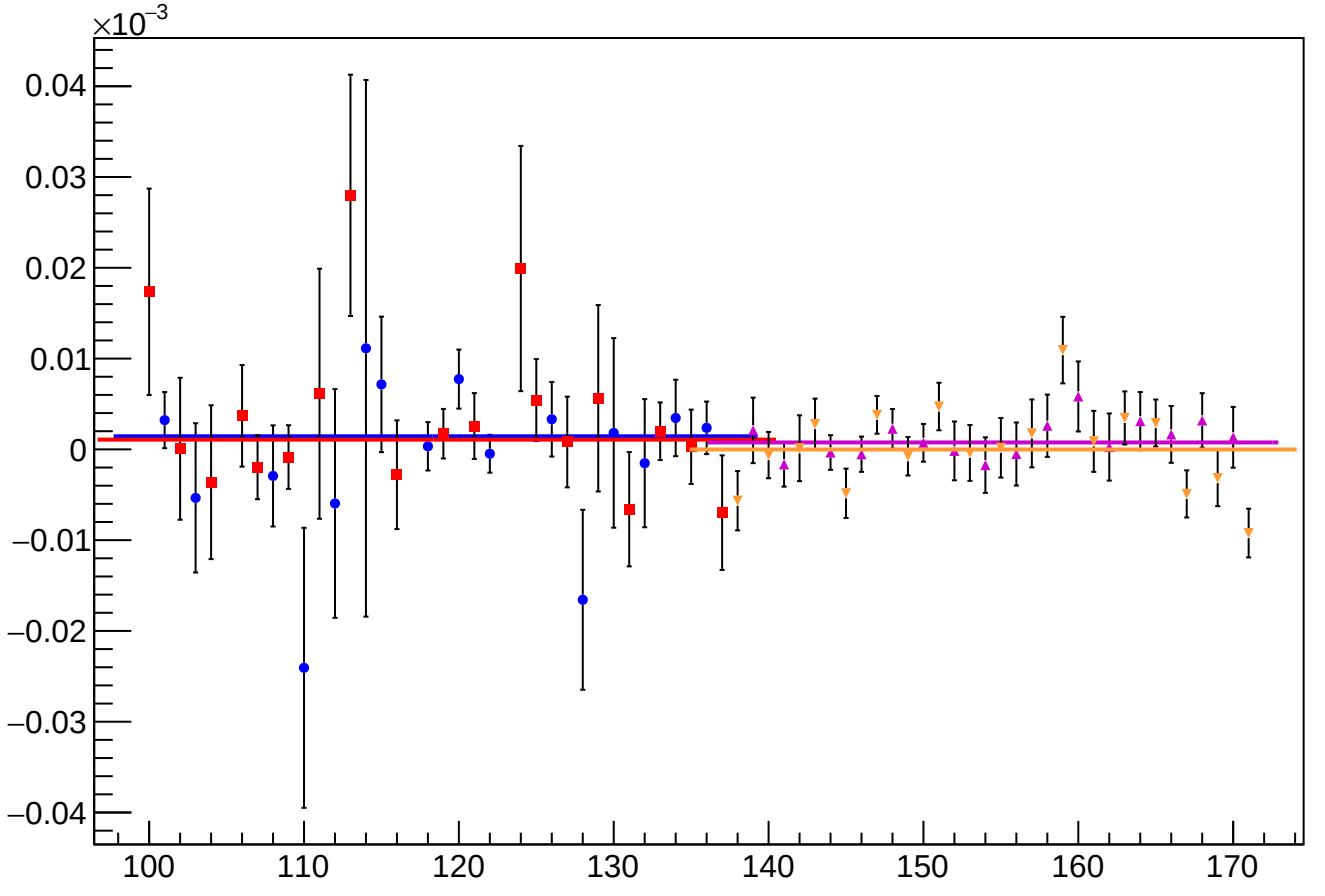
Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.190+/-0.008 χ^2/NDF:1741226.3/15

+ sign 41.993+/-0.007 χ^2/NDF: 3338479.6/33

All: 41.318+/-0.005 χ^2/NDF: 6950717.5/68

- sign 40.645+/-0.007 χ^2/NDF: 3592904.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

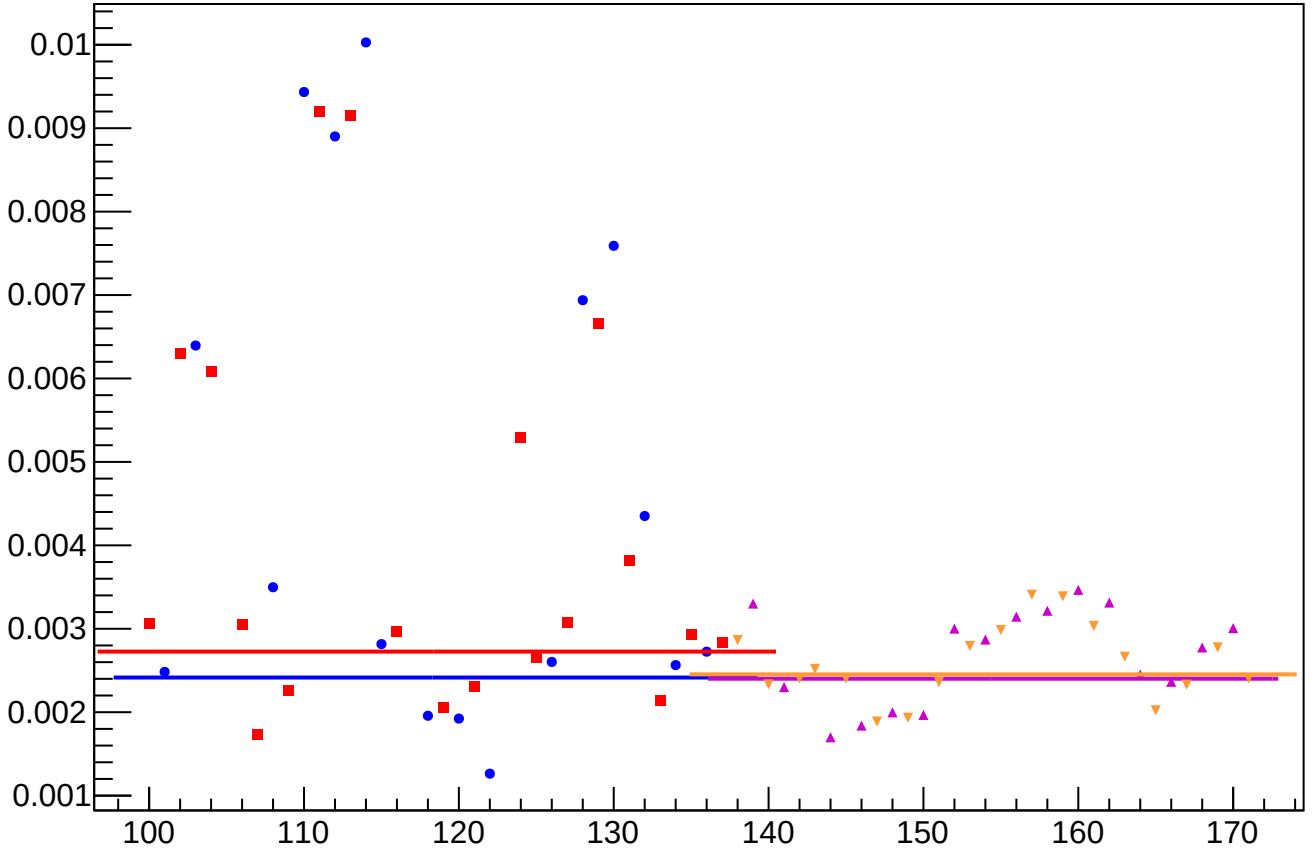
Left In: 0.000+/-0.000 χ^2/NDF:6.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/33

All: 0.000+/-0.000 χ^2/NDF: 79.6/68

- sign 0.000+/-0.000 χ^2/NDF: 21.4/34

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:800613.9/17

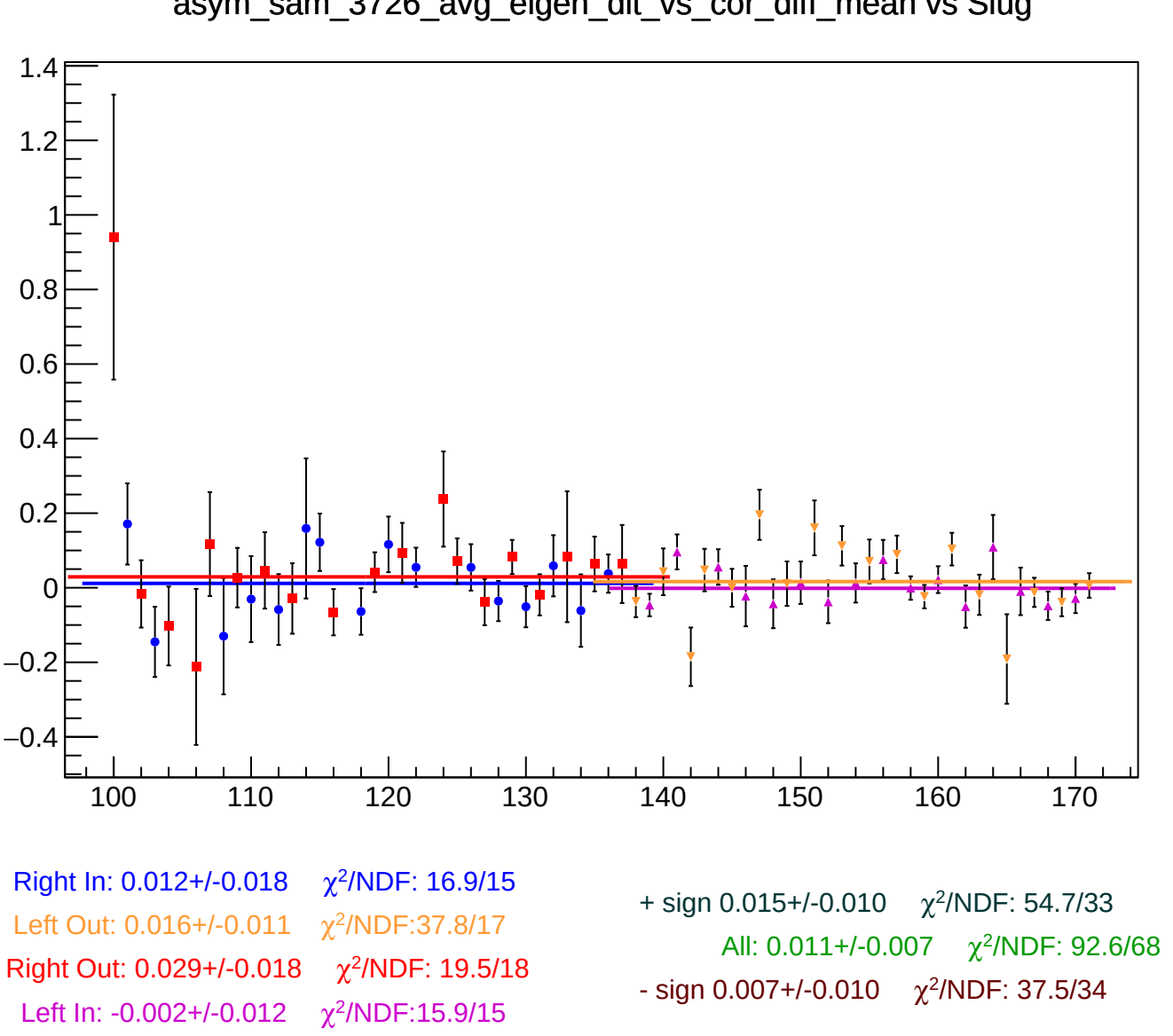
Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

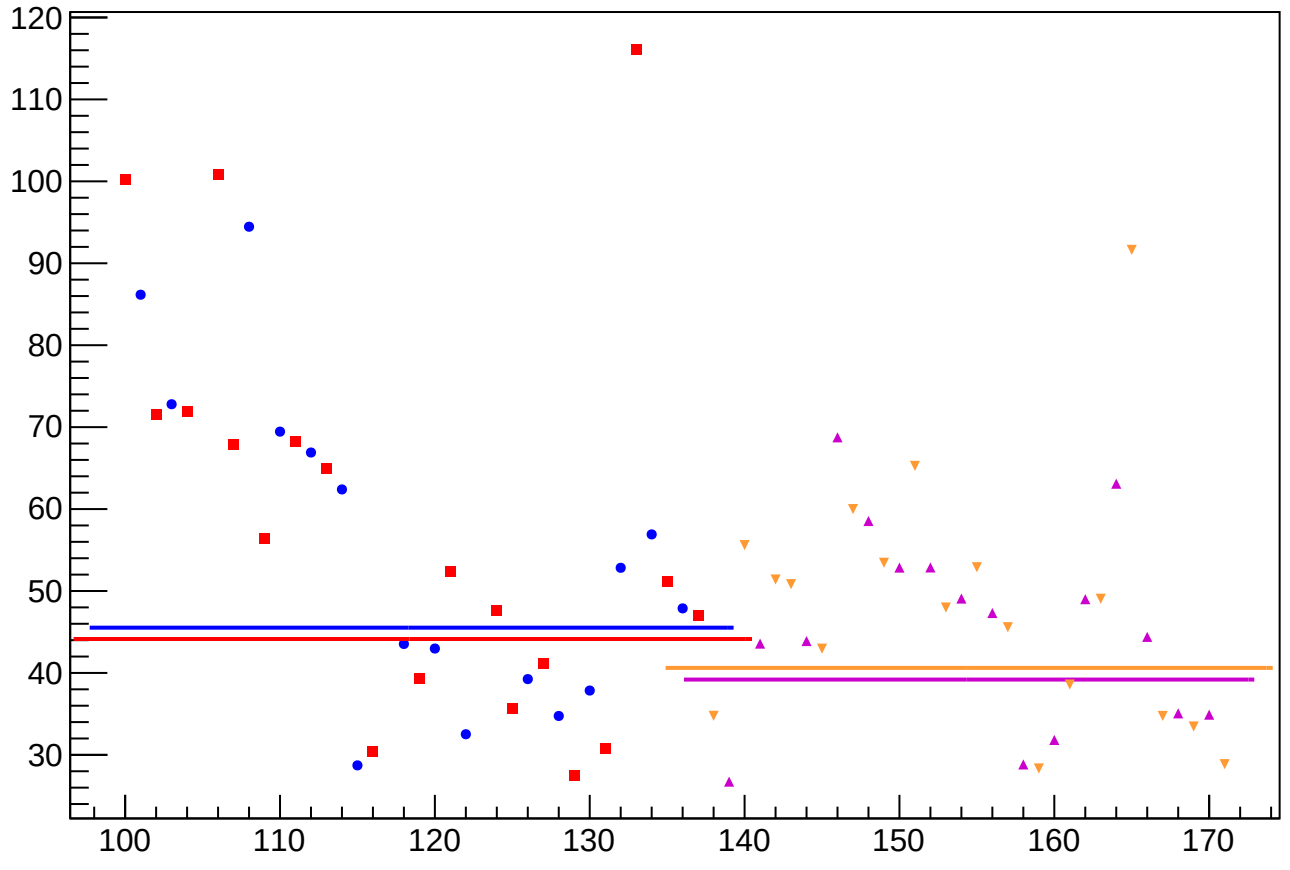
Left In: 0.002+/-0.000 χ^2/NDF:1412906.6/15

+ sign 0.002+/-0.000 χ^2/NDF: 4234614.8/33

All: 0.002+/-0.000 χ^2/NDF: 8281839.2/68

- sign 0.002+/-0.000 χ^2/NDF: 4040469.0/34


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
170
Right In: 0.012+/-0.018 χ²/NDF: 16.9/15
Left Out: 0.016+/-0.011 χ²/NDF:37.8/17
Right Out: 0.029+/-0.018 χ²/NDF: 19.5/18
Left In: -0.002+/-0.012 χ²/NDF:15.9/15
+ sign 0.015+/-0.010 χ²/NDF: 54.7/33
All: 0.011+/-0.007 χ²/NDF: 92.6/68
- sign 0.007+/-0.010 χ²/NDF: 37.5/34



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.616+/-0.008 χ^2/NDF:1981199.4/17

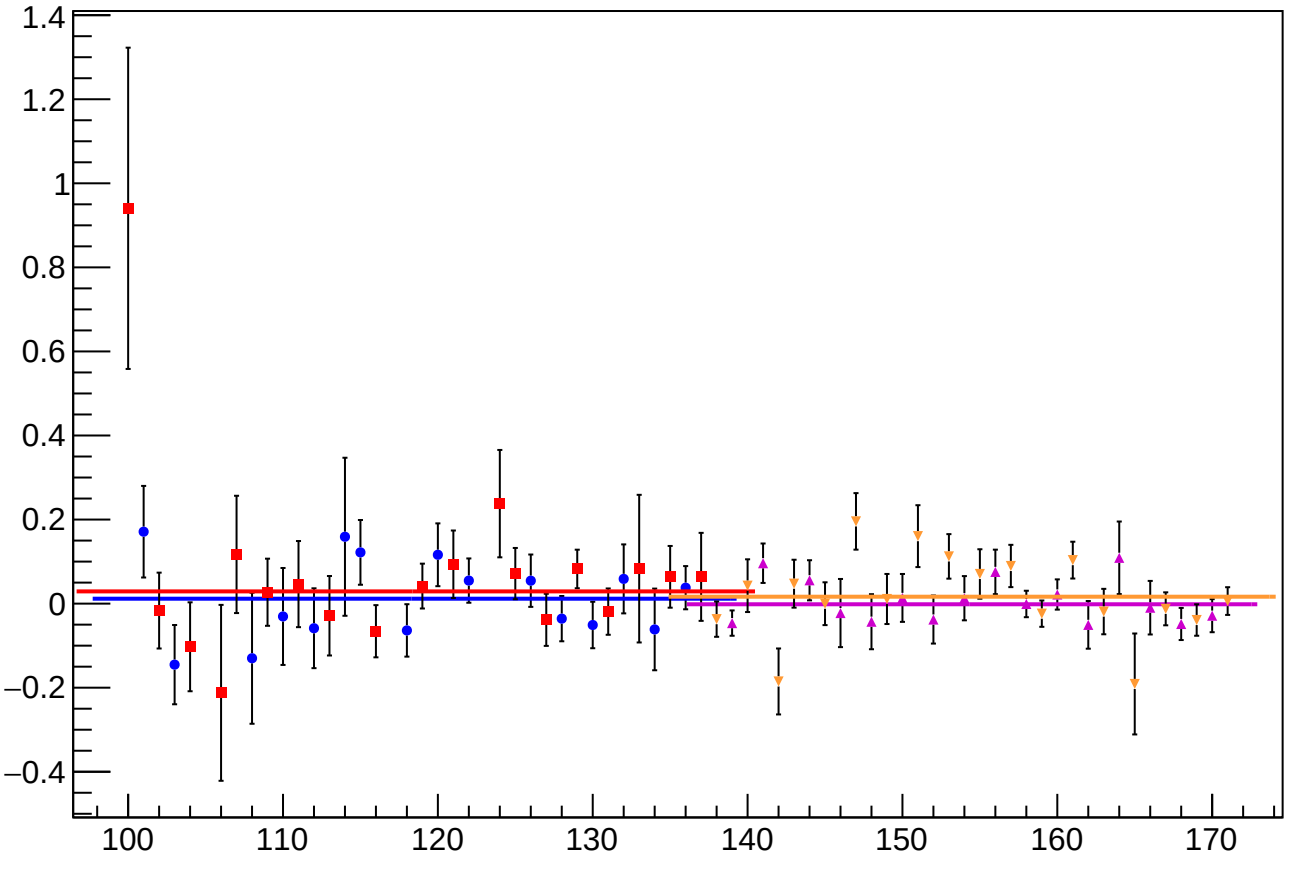
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.191+/-0.008 χ^2/NDF:1741264.8/15

+ sign 41.993+/-0.007 χ^2/NDF: 3338441.9/33

All: 41.318+/-0.005 χ^2/NDF: 6950633.1/68

- sign 40.645+/-0.007 χ^2/NDF: 3592862.2/34



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:37.8/17

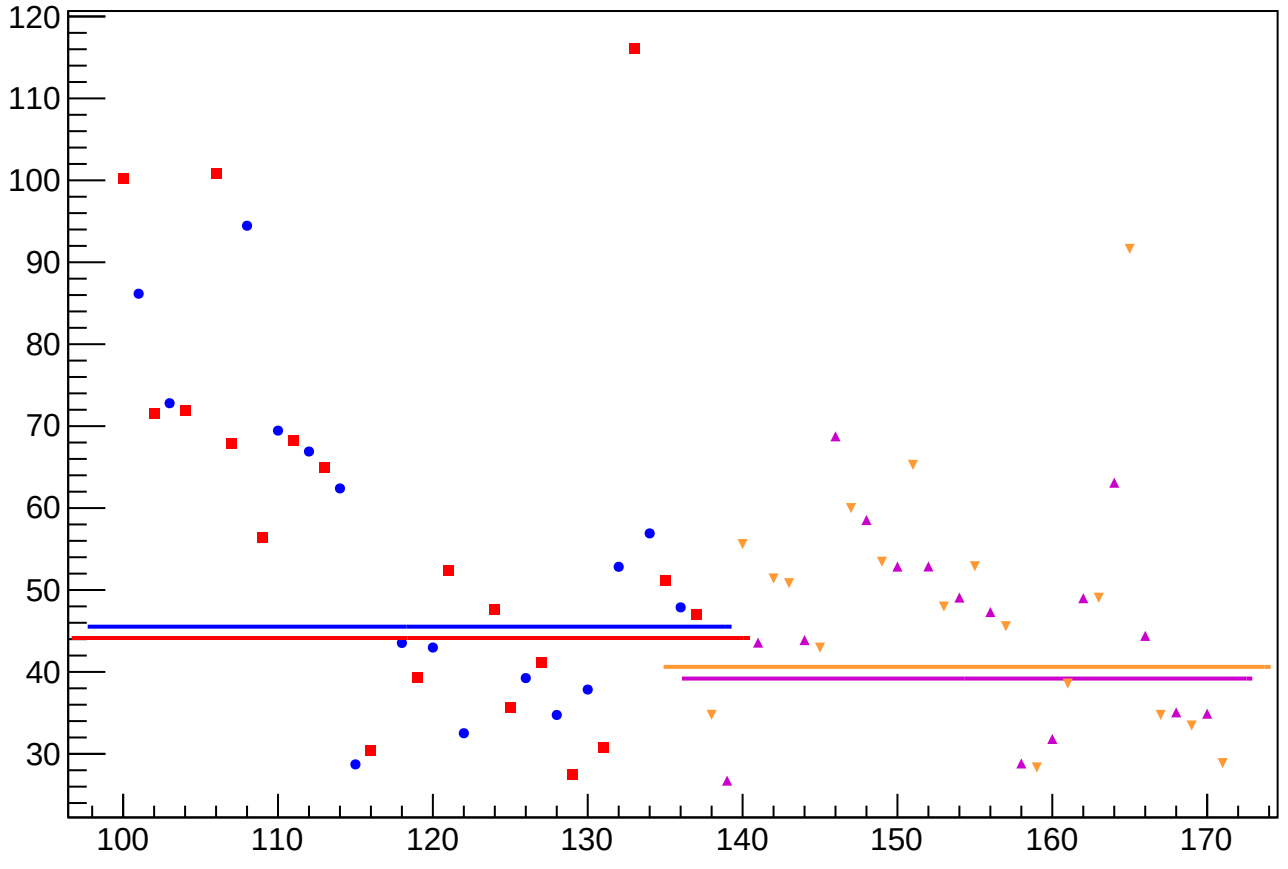
Right Out: 0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.002+/-0.012 χ^2/NDF:15.9/15

+ sign 0.015+/-0.010 χ^2/NDF: 54.7/33

All: 0.011+/-0.007 χ^2/NDF: 92.6/68

- sign 0.007+/-0.010 χ^2/NDF: 37.5/34



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.616+/-0.008 χ^2/NDF:1981199.4/17

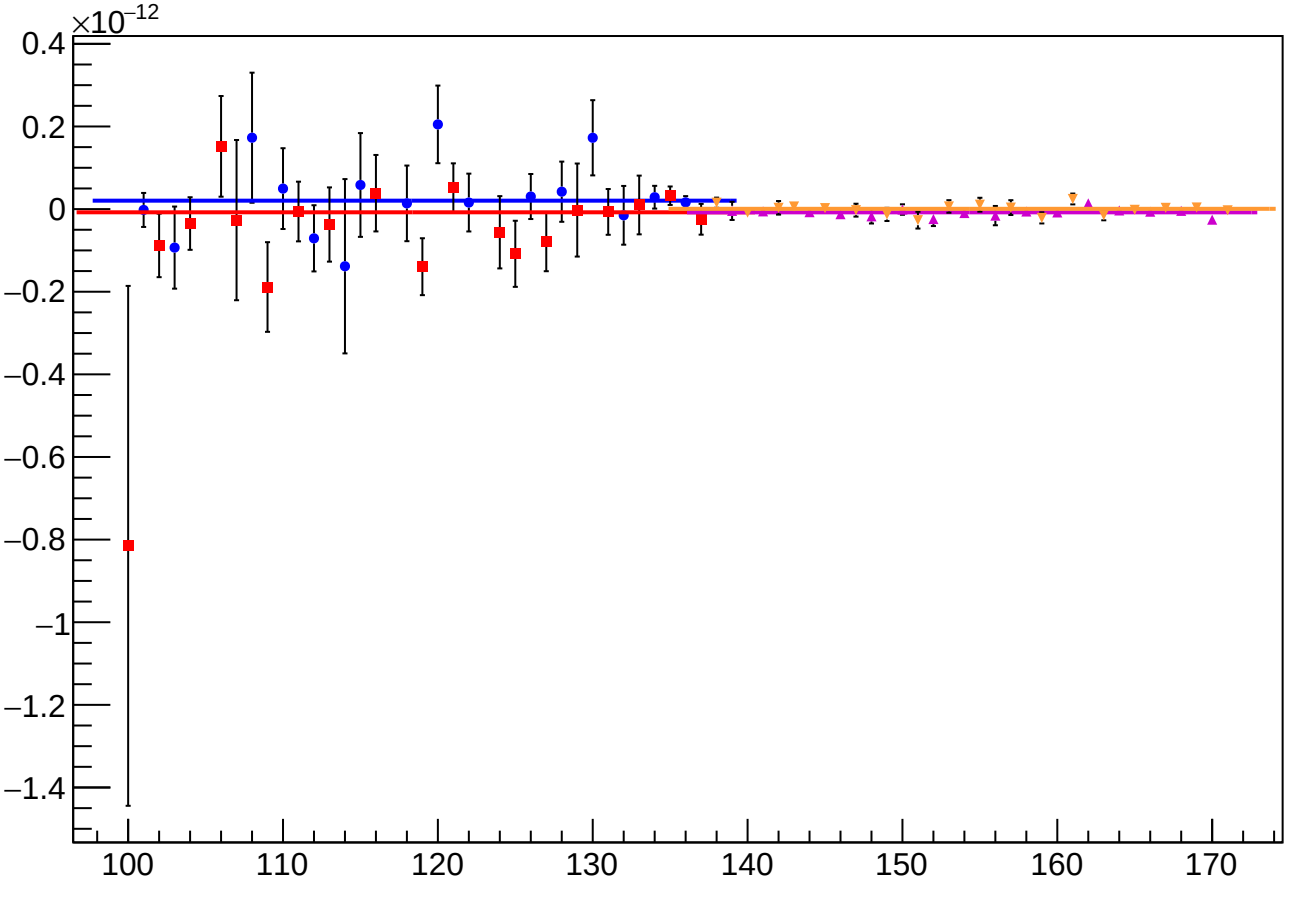
Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

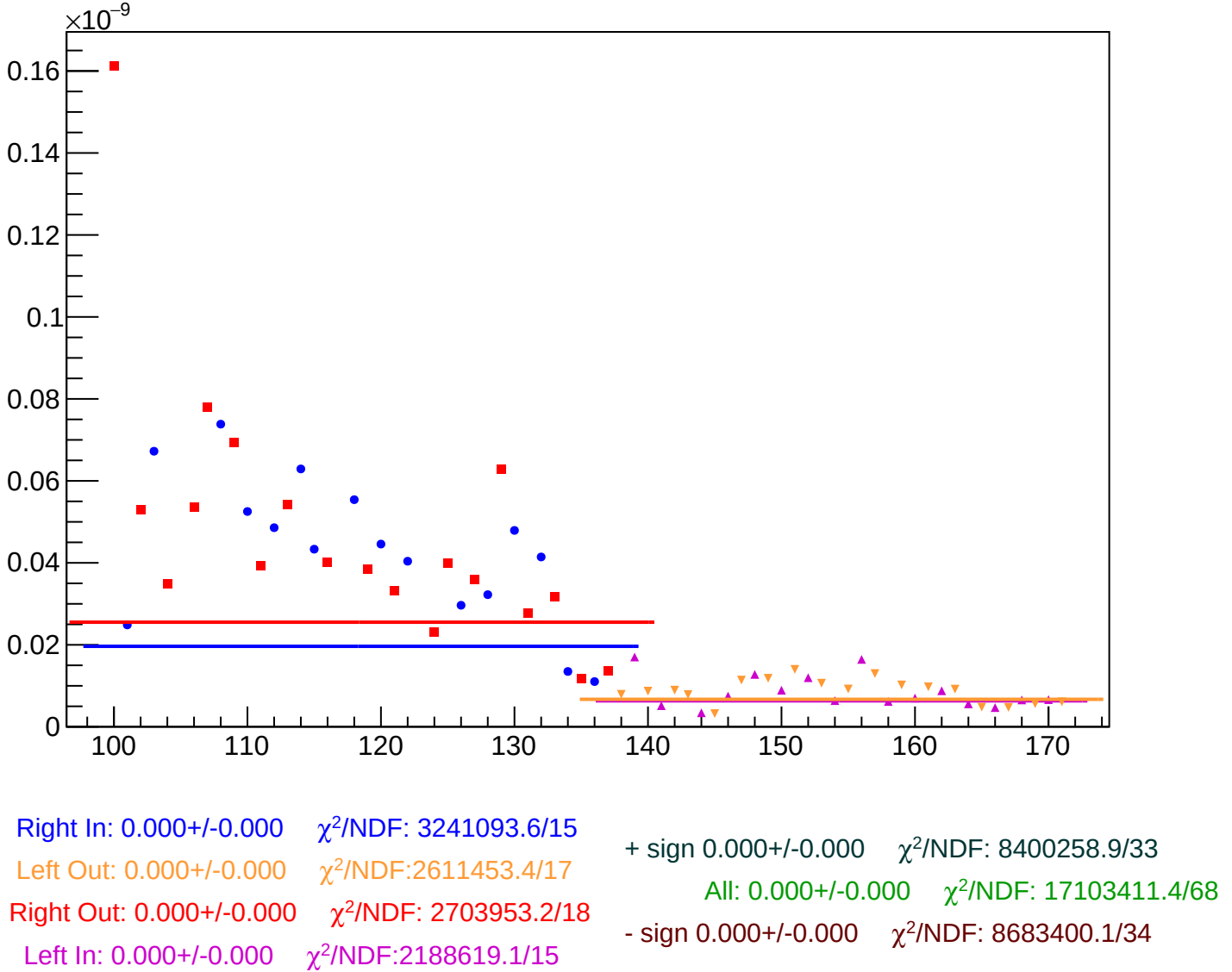
Left In: 39.191+/-0.008 χ^2/NDF:1741264.8/15

+ sign 41.993+/-0.007 χ^2/NDF: 3338441.9/33

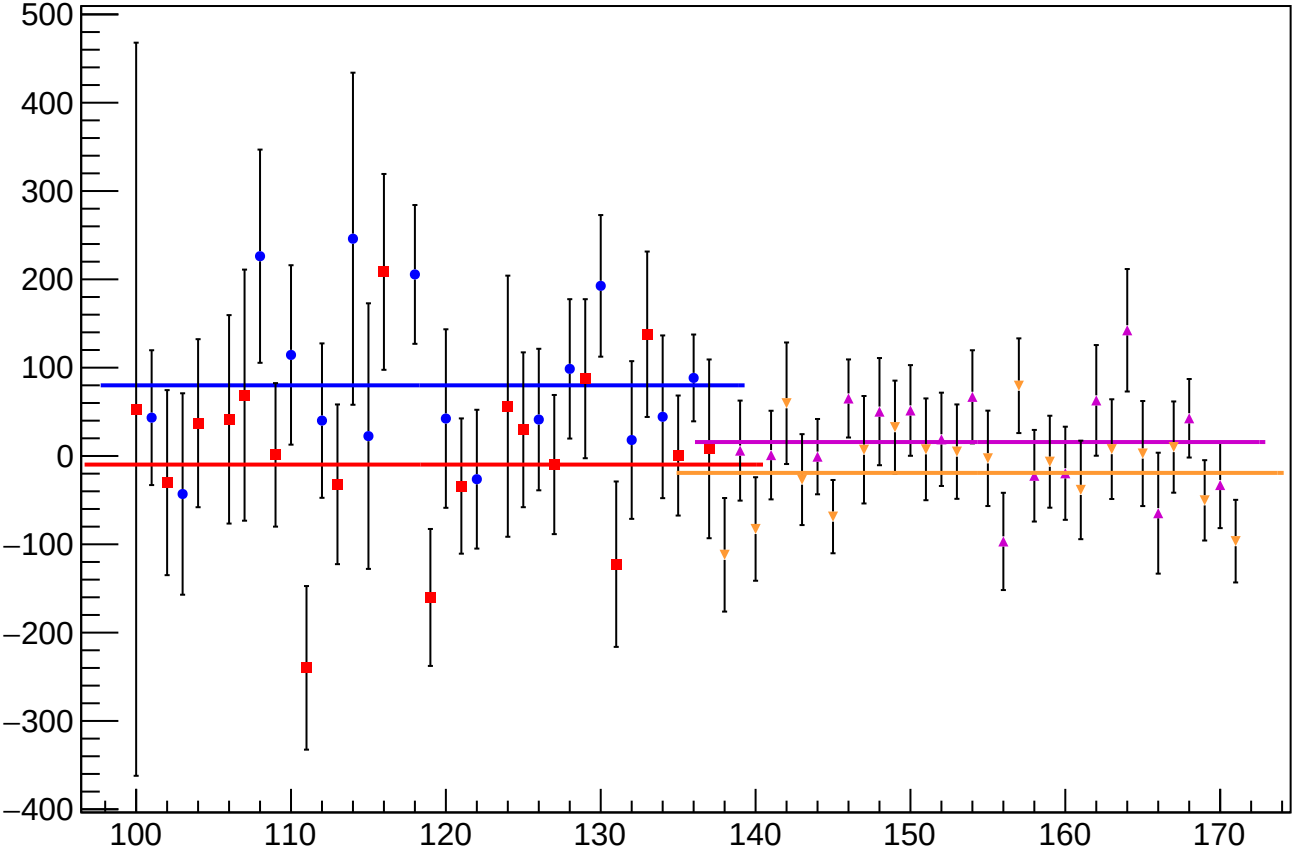
All: 41.318+/-0.005 χ^2/NDF: 6950633.1/68

- sign 40.645+/-0.007 χ^2/NDF: 3592862.2/34


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/15
+ sign 0.000+/-0.000 χ²/NDF: 28.5/33
All: -0.000+/-0.000 χ²/NDF: 64.0/68
- sign -0.000+/-0.000 χ²/NDF: 28.2/34


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2611453.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2188619.1/15
+ sign 0.000+/-0.000 χ²/NDF: 8400258.9/33
All: 0.000+/-0.000 χ²/NDF: 17103411.4/68
- sign 0.000+/-0.000 χ²/NDF: 8683400.1/34

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.148+/-12.622 χ^2/NDF:15.1/17

Right Out: -9.730+/-21.617 χ^2/NDF: 20.3/18

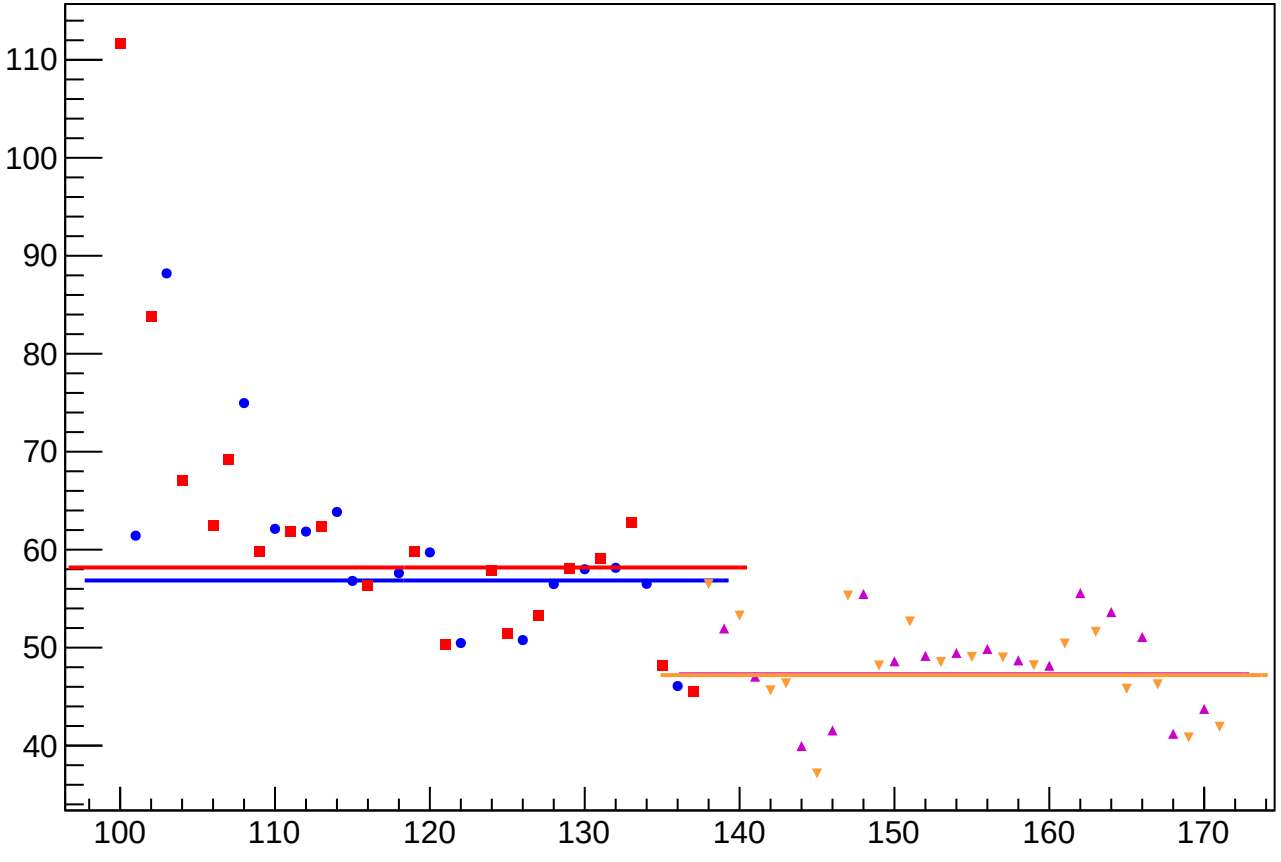
Left In: 15.785+/-13.127 χ^2/NDF:15.1/15

+ sign 6.309+/-10.882 χ^2/NDF: 42.5/33

All: 7.570+/-7.812 χ^2/NDF: 79.0/68

- sign 8.911+/-11.220 χ^2/NDF: 36.4/34

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

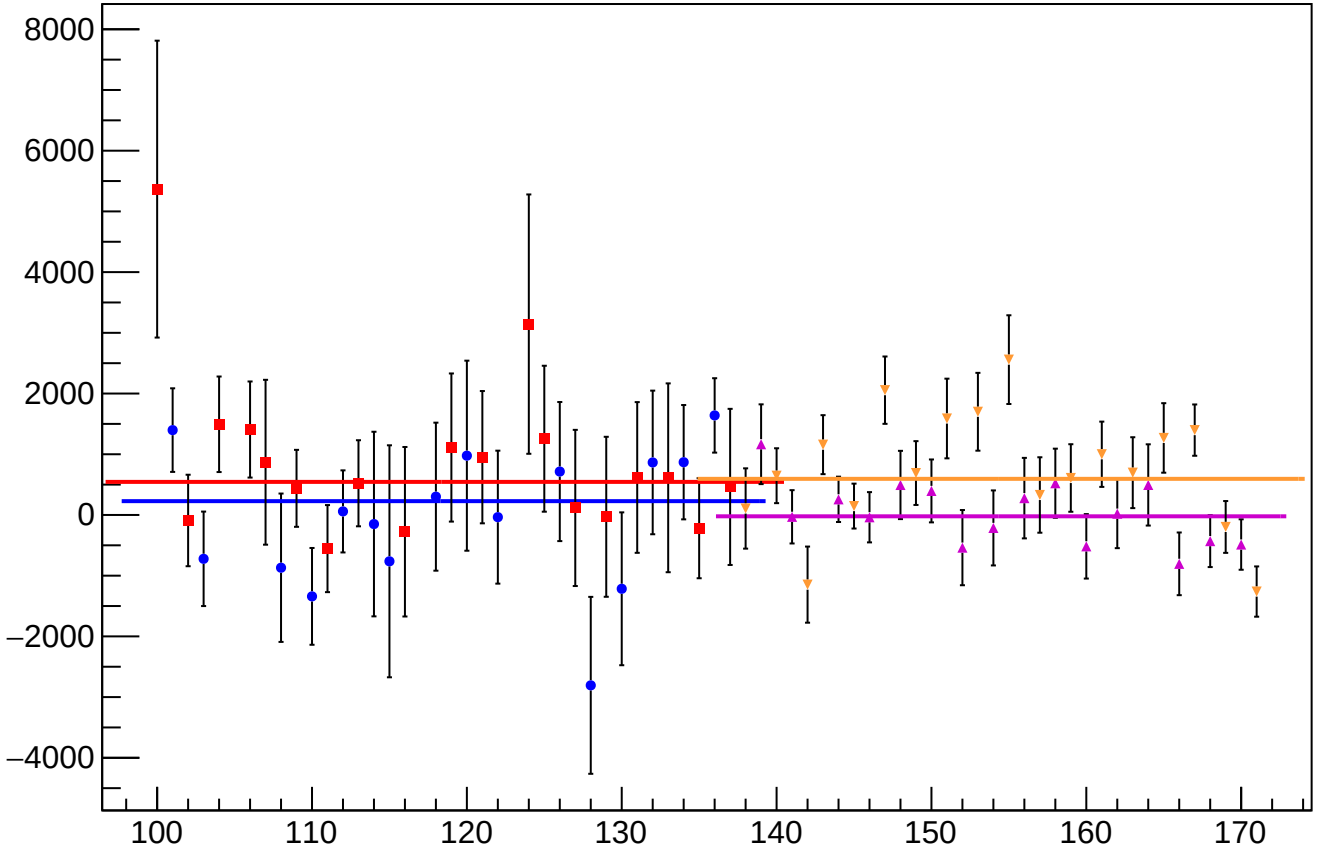
Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

+ sign 49.676+/-0.008 χ^2/NDF: 970397.0/33

All: 49.937+/-0.006 χ^2/NDF: 1921404.2/68

- sign 50.215+/-0.008 χ^2/NDF: 948625.6/34

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 594.938+/-122.198 χ^2/NDF:59.9/17

Right Out: 544.769+/-227.243 χ^2/NDF: 13.4/18

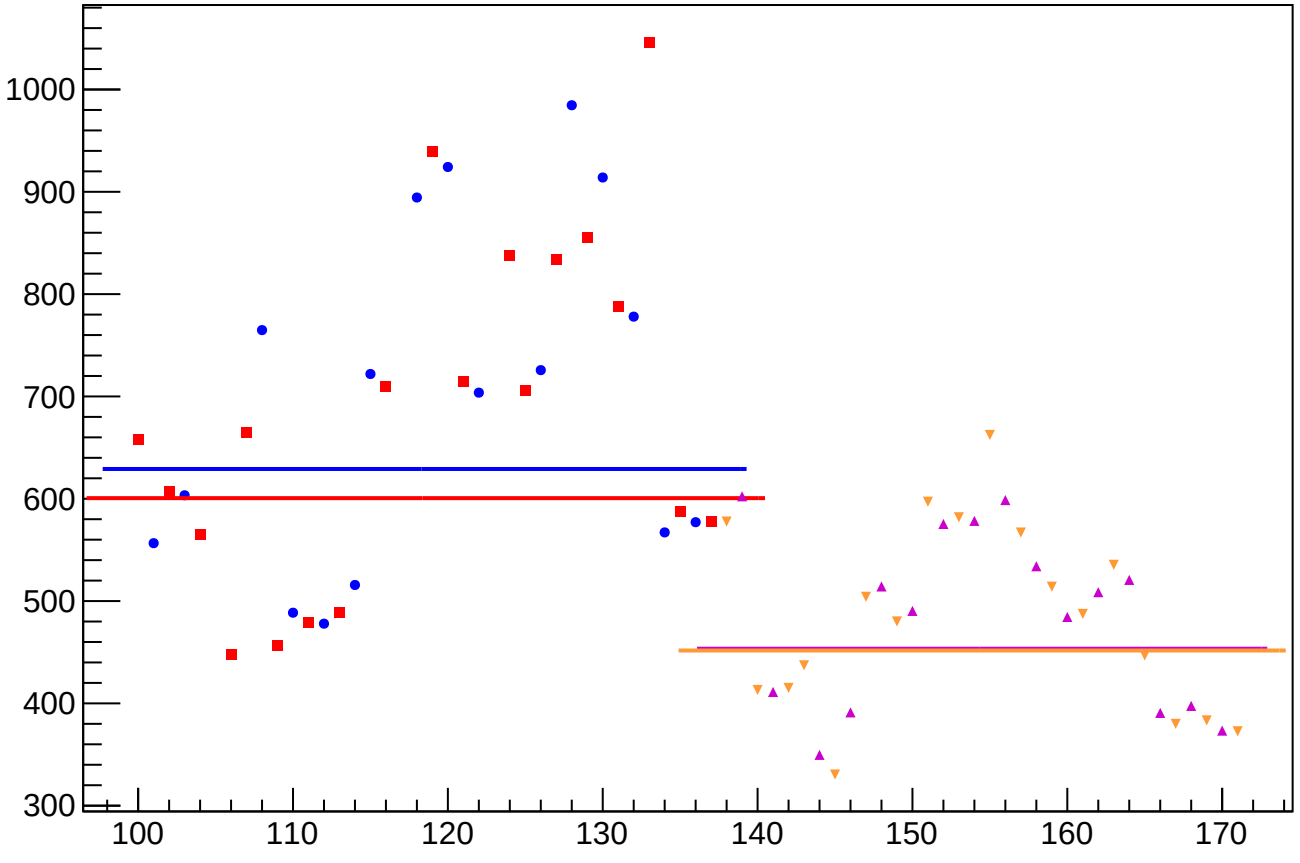
Left In: -22.178+/-127.125 χ^2/NDF:13.2/15

\+ sign 519.905+/-109.009 χ^2/NDF: 83.4/33

All: 320.012+/-77.756 χ^2/NDF: 121.5/68

\- sign 112.959+/-110.945 χ^2/NDF: 31.3/34

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007292.8/17

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

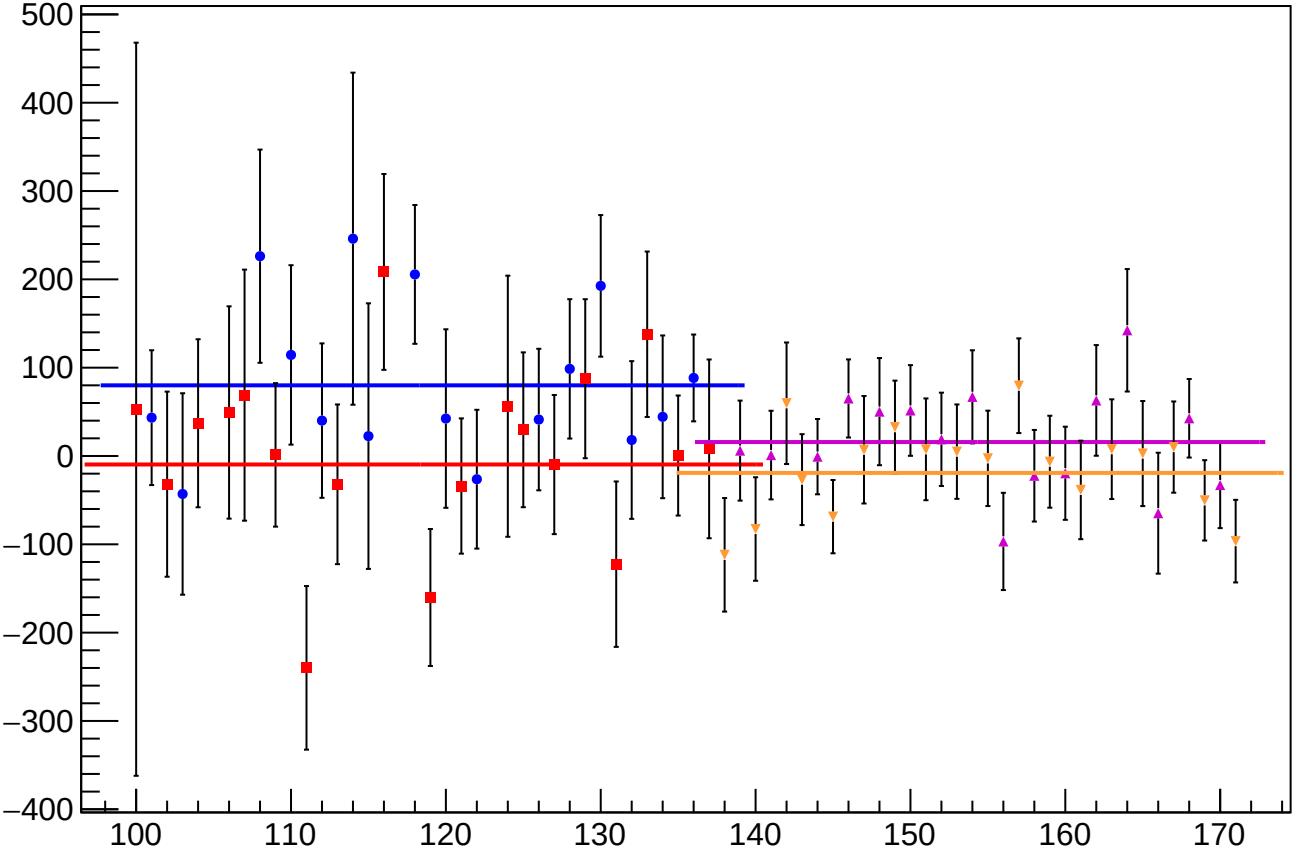
Left In: 453.436+/-0.090 χ^2/NDF:833778.4/15

+ sign 487.898+/-0.077 χ^2/NDF: 2561099.2/33

All: 488.200+/-0.055 χ^2/NDF: 4908318.3/68

- sign 488.512+/-0.078 χ^2/NDF: 2347187.8/34

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.149+/-12.622 χ^2/NDF:15.1/17

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

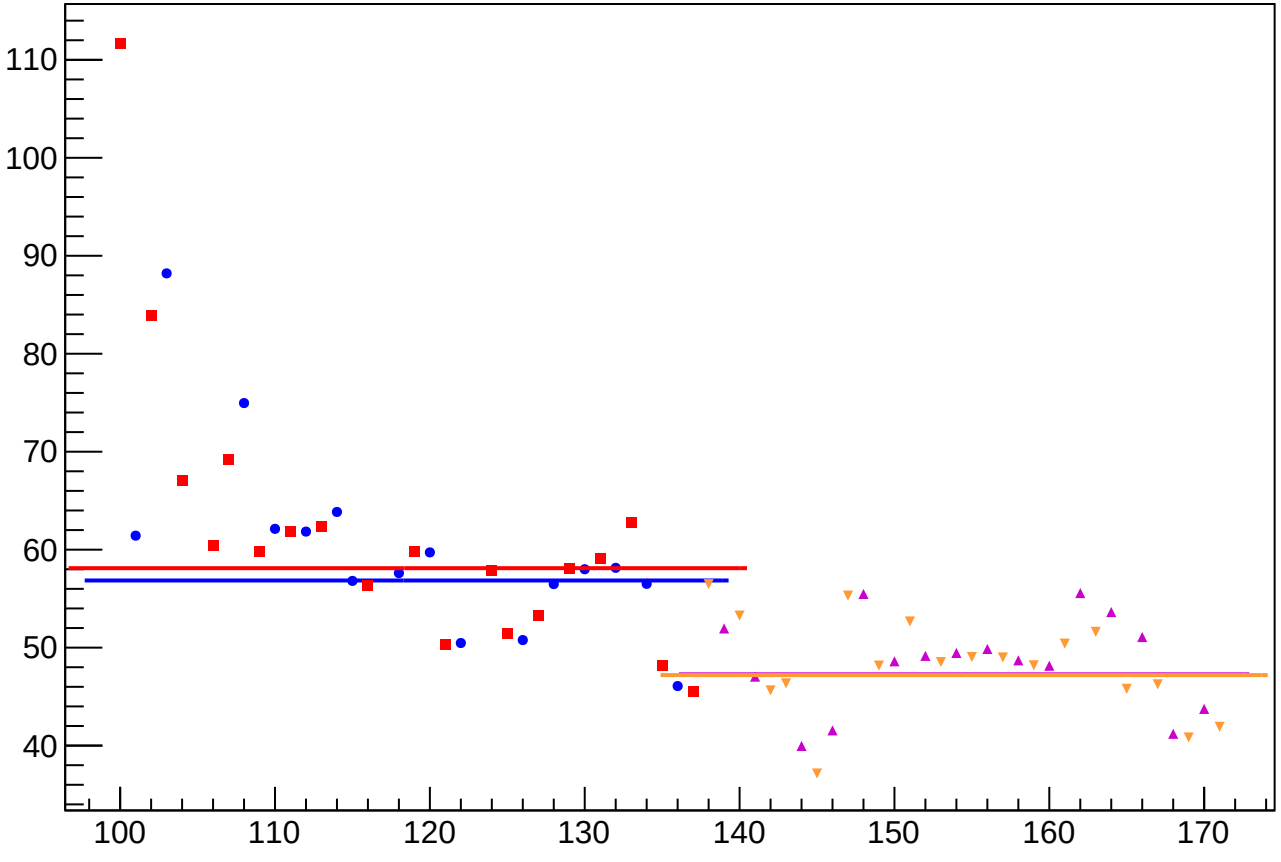
Left In: 15.786+/-13.127 χ^2/NDF:15.1/15

+ sign 6.309+/-10.882 χ^2/NDF: 42.5/33

All: 7.588+/-7.812 χ^2/NDF: 79.0/68

- sign 8.948+/-11.222 χ^2/NDF: 36.5/34

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

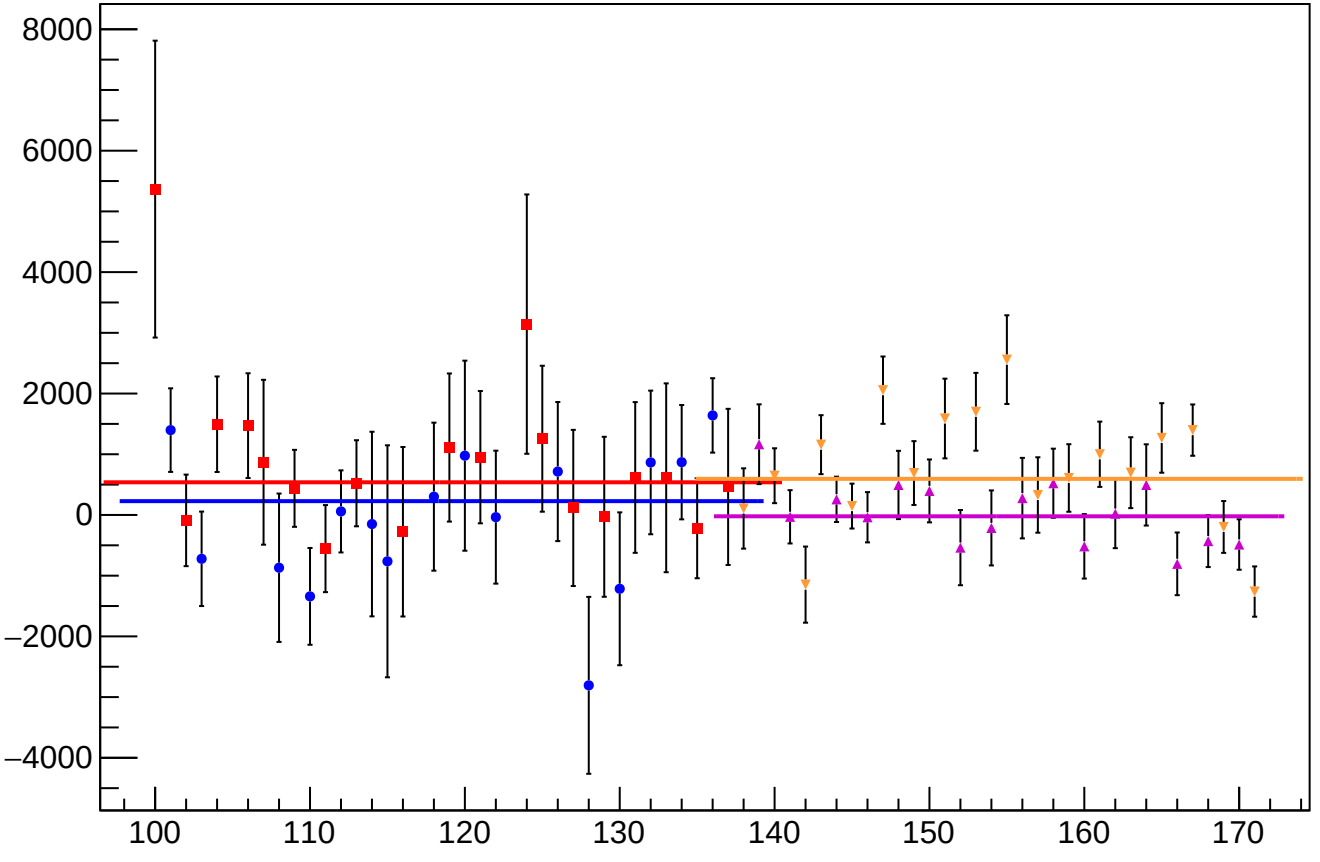
Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

+ sign 49.676+/-0.008 χ^2/NDF: 970401.1/33

All: 49.926+/-0.006 χ^2/NDF: 1914353.7/68

- sign 50.193+/-0.008 χ^2/NDF: 941759.6/34

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 594.936+/-122.198 χ^2/NDF:59.9/17

Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

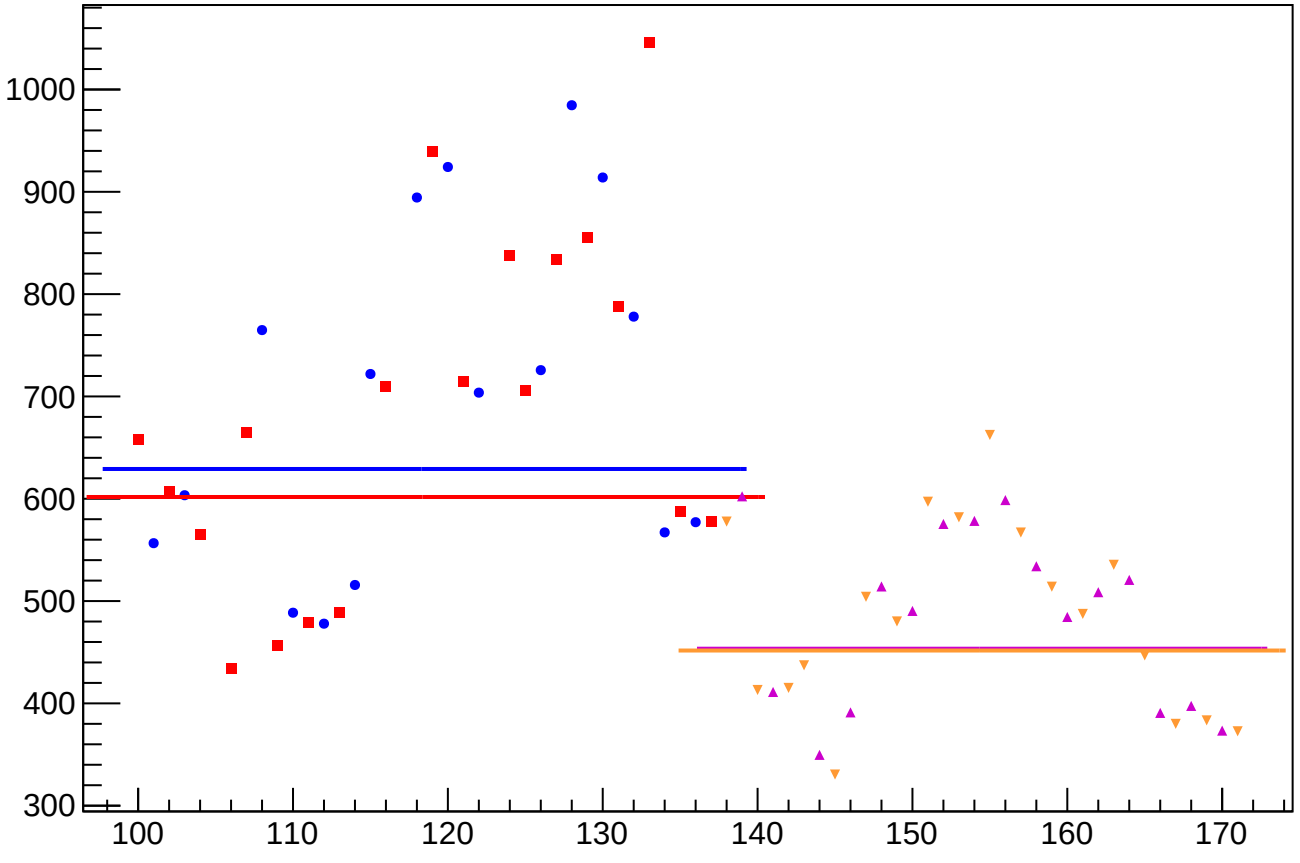
Left In: -22.174+/-127.125 χ^2/NDF:13.2/15

+ sign 519.911+/-109.009 χ^2/NDF: 83.4/33

All: 318.900+/-77.816 χ^2/NDF: 121.4/68

- sign 110.033+/-111.119 χ^2/NDF: 31.1/34

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007294.6/17

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

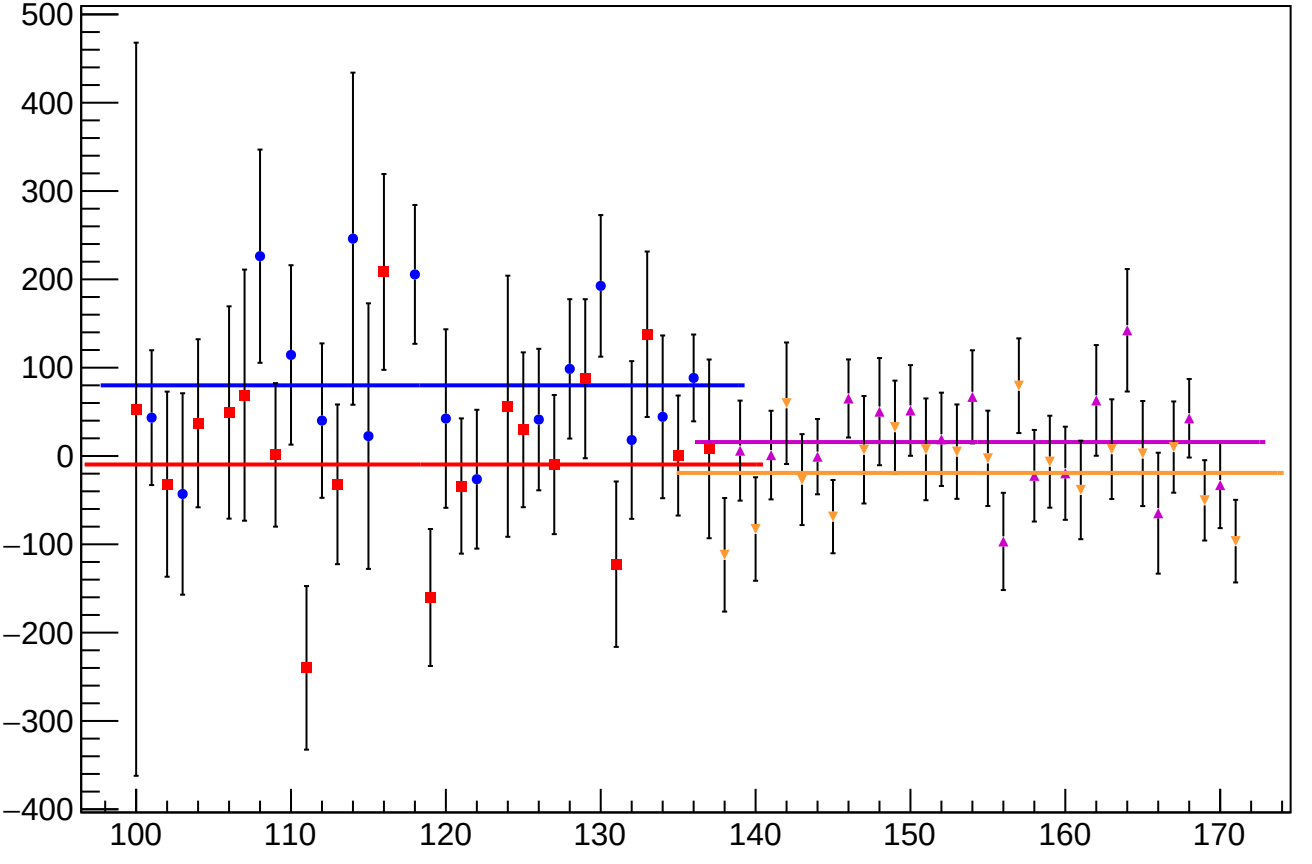
Left In: 453.436+/-0.090 χ^2/NDF:833775.7/15

+ sign 487.898+/-0.077 χ^2/NDF: 2561130.5/33

All: 488.157+/-0.055 χ^2/NDF: 4911062.8/68

- sign 488.426+/-0.079 χ^2/NDF: 2349909.3/34

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.149+/-12.622 χ^2/NDF:15.1/17

Right Out: -9.619+/-21.631 χ^2/NDF: 20.4/18

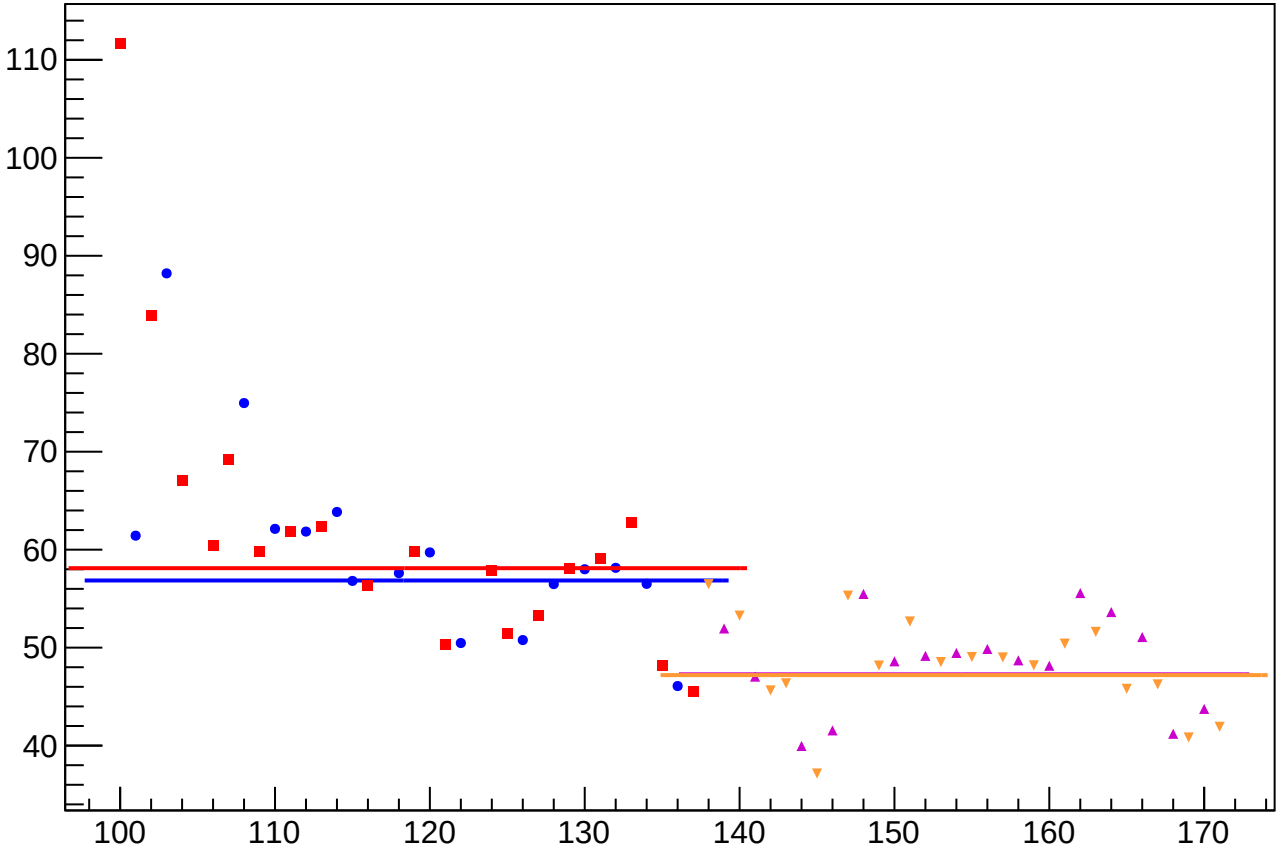
Left In: 15.786+/-13.127 χ^2/NDF:15.1/15

+ sign 6.309+/-10.882 χ^2/NDF: 42.5/33

All: 7.588+/-7.812 χ^2/NDF: 79.0/68

- sign 8.948+/-11.222 χ^2/NDF: 36.5/34

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

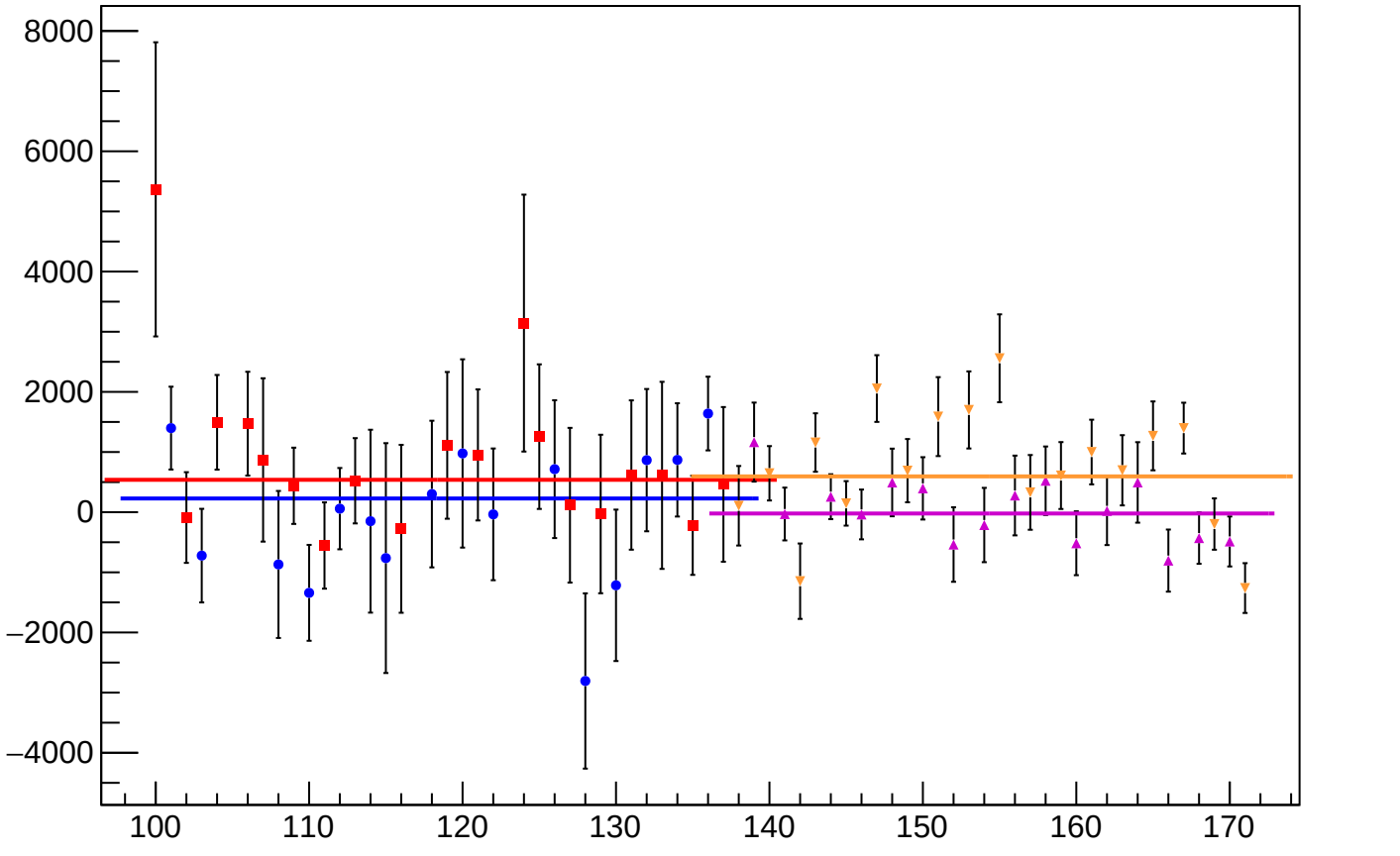
Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.277+/-0.009 χ^2/NDF:262178.2/15

+ sign 49.676+/-0.008 χ^2/NDF: 970401.1/33

All: 49.926+/-0.006 χ^2/NDF: 1914353.7/68

- sign 50.193+/-0.008 χ^2/NDF: 941759.6/34



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 594.936+/-122.198 χ^2/NDF:59.9/17

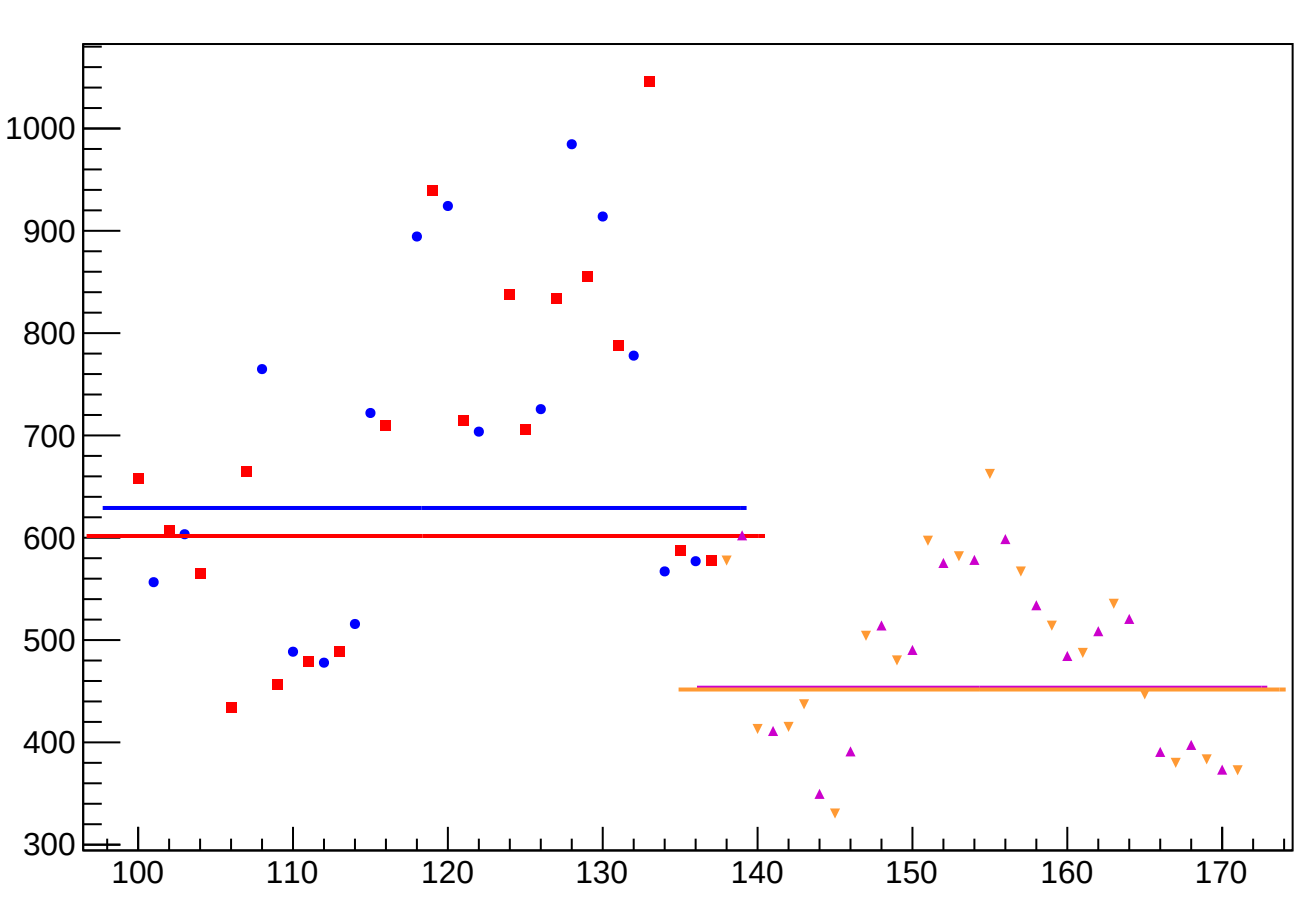
Right Out: 538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -22.174+/-127.125 χ^2/NDF:13.2/15

+ sign 519.911+/-109.009 χ^2/NDF: 83.4/33

All: 318.900+/-77.816 χ^2/NDF: 121.4/68

- sign 110.033+/-111.119 χ^2/NDF: 31.1/34



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007294.6/17

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

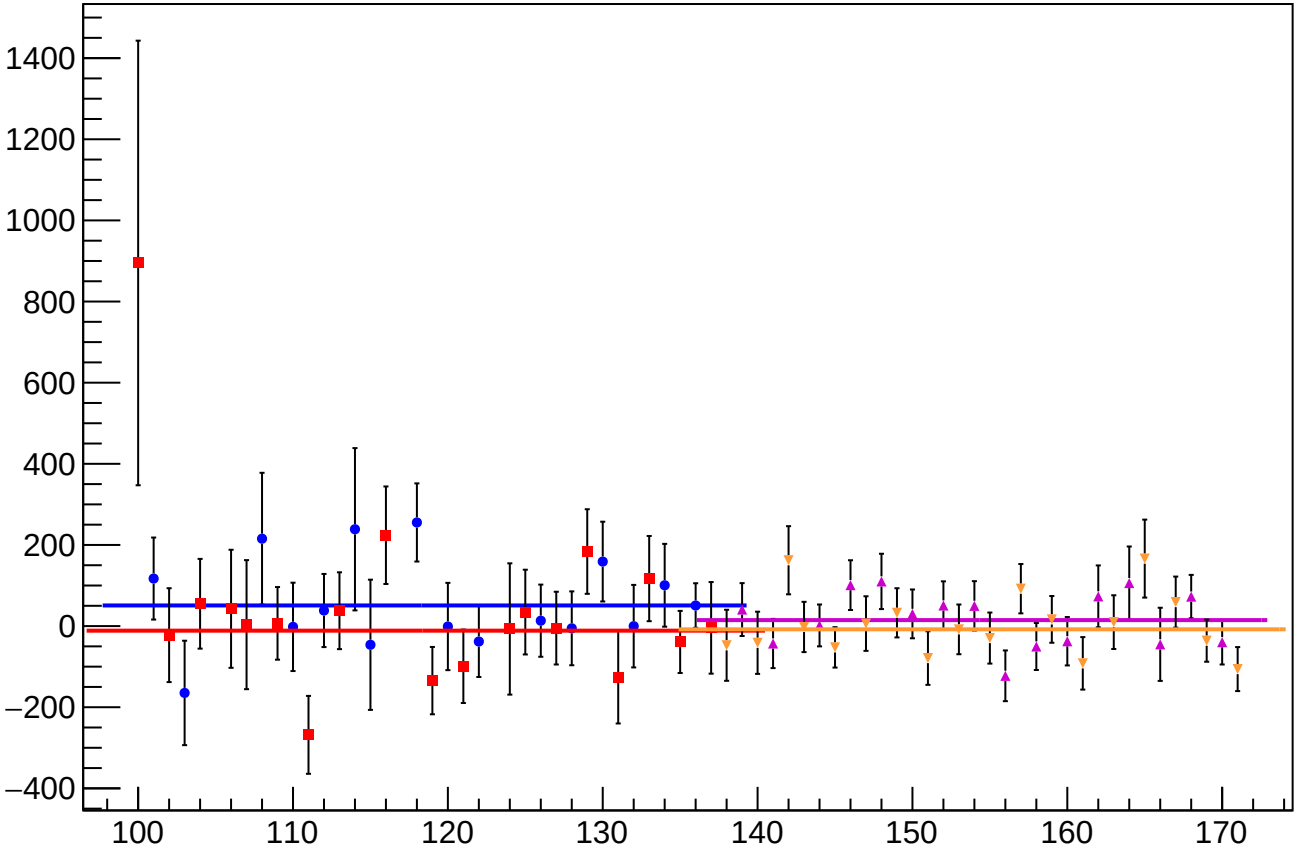
Left In: 453.436+/-0.090 χ^2/NDF:833775.7/15

+ sign 487.898+/-0.077 χ^2/NDF: 2561130.5/33

All: 488.157+/-0.055 χ^2/NDF: 4911062.8/68

- sign 488.426+/-0.079 χ^2/NDF: 2349909.3/34

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.976+/-14.977 χ^2/NDF:19.7/17

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

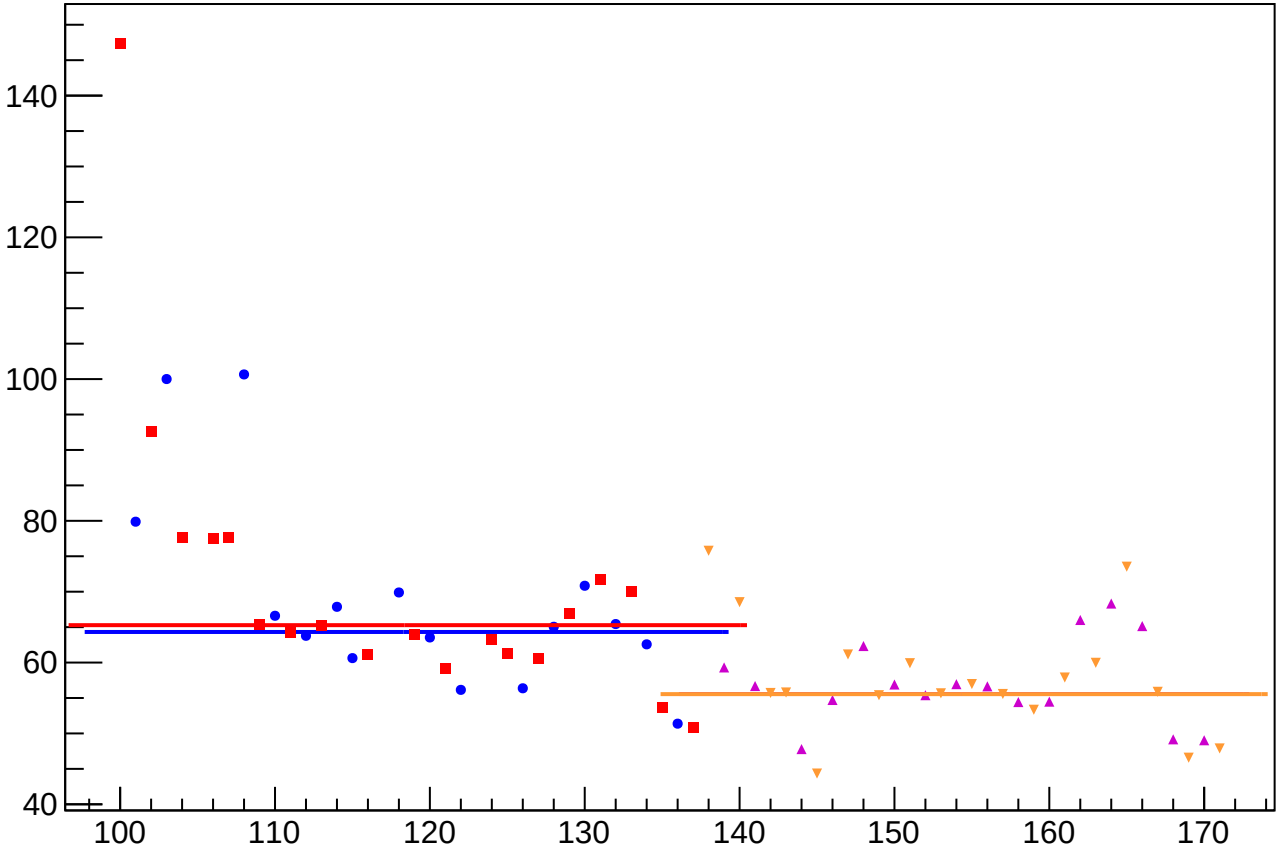
Left In: 14.742+/-15.570 χ^2/NDF:16.9/15

+ sign 8.037+/-12.777 χ^2/NDF: 37.7/33

All: 7.622+/-9.151 χ^2/NDF: 79.4/68

- sign 7.185+/-13.113 χ^2/NDF: 41.7/34

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.547+/-0.011 χ^2/NDF:473111.6/17

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

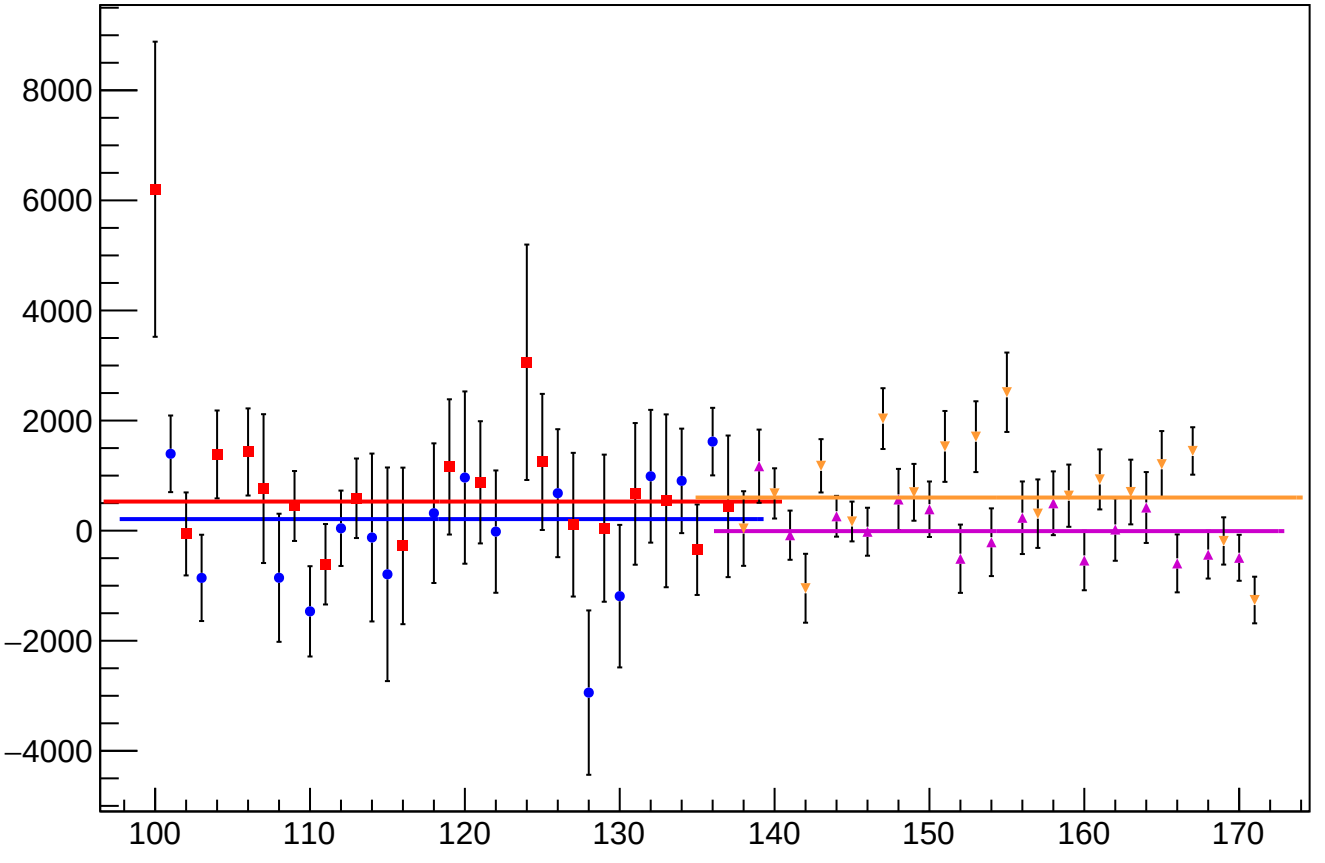
Left In: 55.562+/-0.011 χ^2/NDF:233817.1/15

+ sign 57.934+/-0.009 χ^2/NDF: 1124697.1/33

All: 58.154+/-0.006 χ^2/NDF: 1905198.7/68

- sign 58.386+/-0.009 χ^2/NDF: 779284.1/34

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 601.839+/-122.784 χ^2/NDF:57.5/17

Right Out: 528.675+/-229.679 χ^2/NDF: 13.8/18

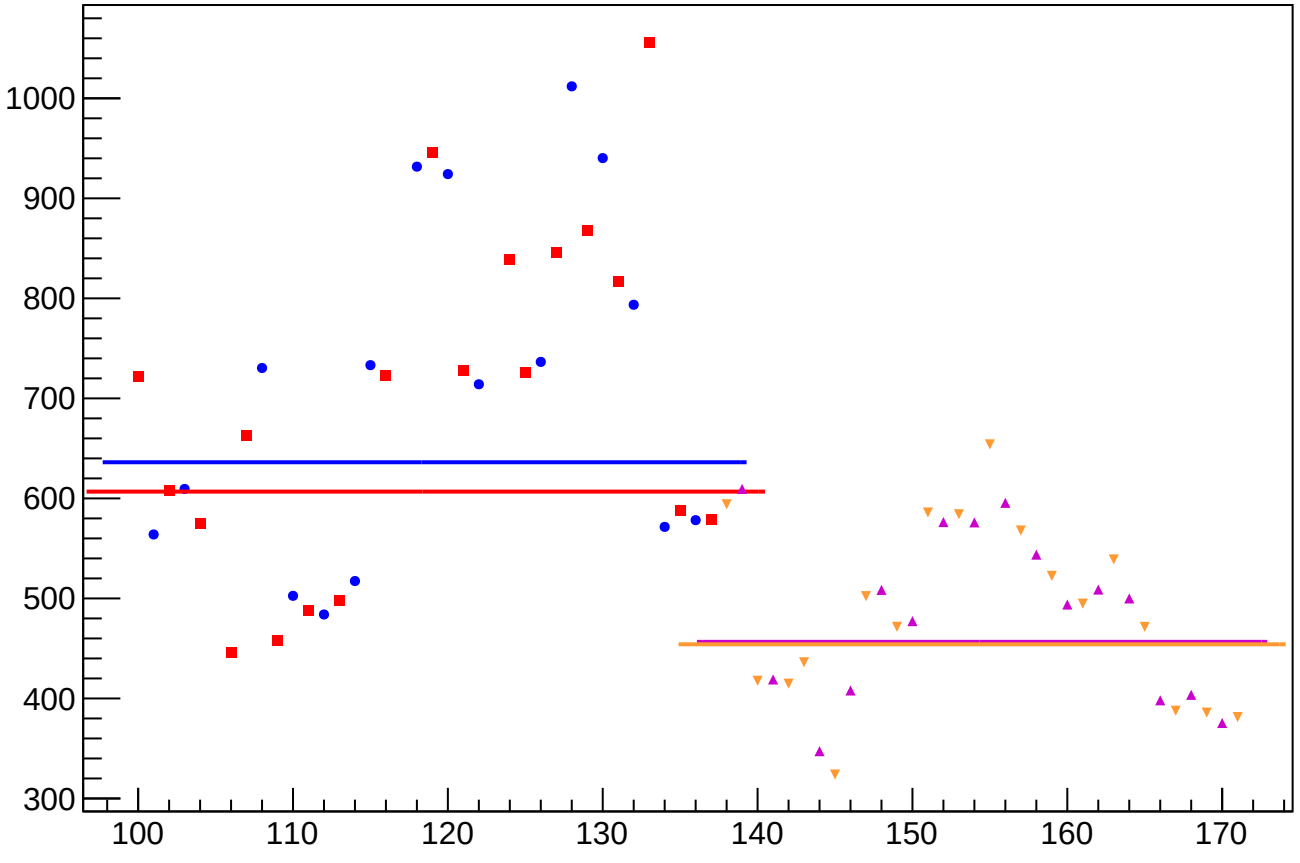
Left In: -8.356+/-127.948 χ^2/NDF:12.0/15

\+ sign 522.564+/-109.662 χ^2/NDF: 82.0/33

All: 324.549+/-78.279 χ^2/NDF: 118.7/68

\- sign 118.831+/-111.775 χ^2/NDF: 30.0/34

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 454.138+/-0.087 χ^2/NDF:1012477.2/17

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

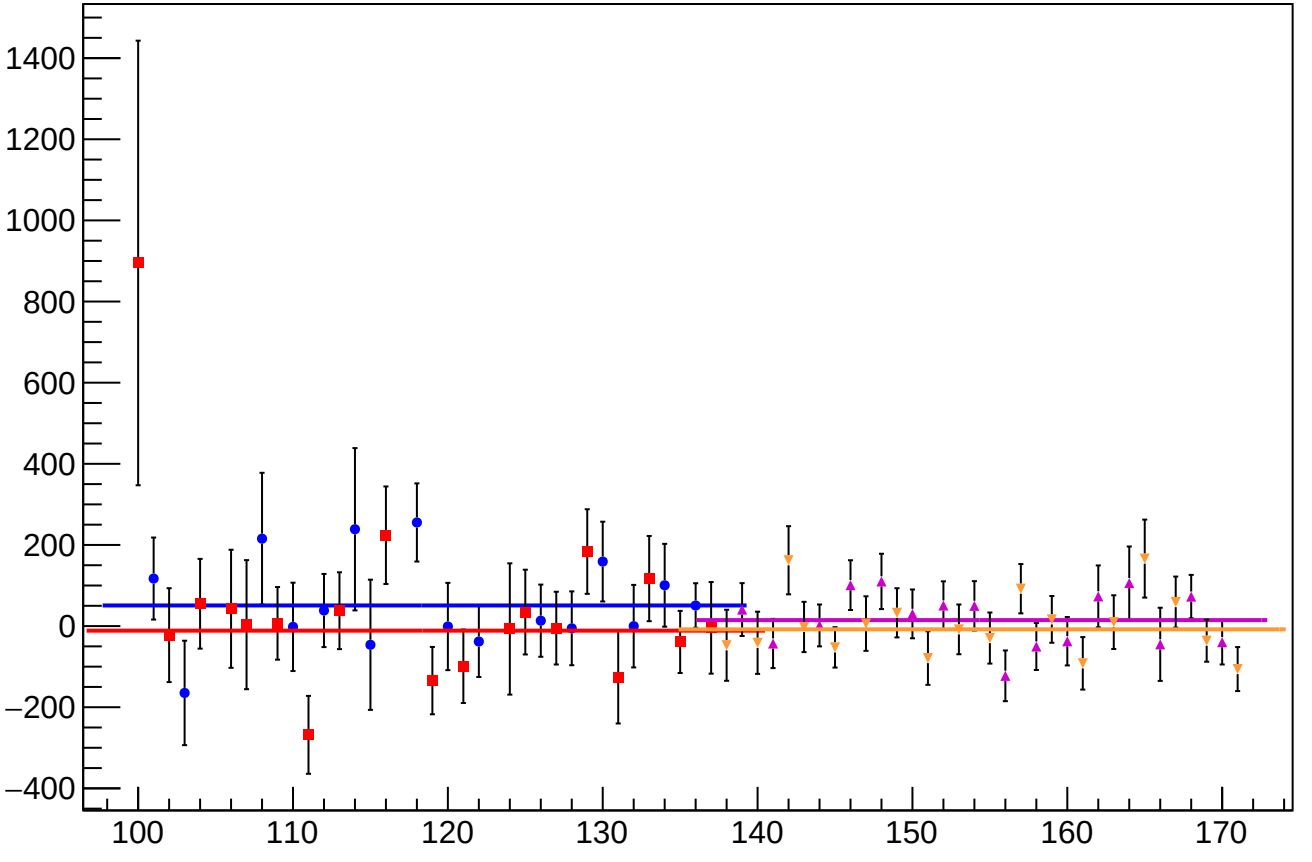
Left In: 456.583+/-0.090 χ^2/NDF:789194.2/15

+ sign 490.963+/-0.078 χ^2/NDF: 2606852.9/33

All: 491.550+/-0.055 χ^2/NDF: 4942970.3/68

- sign 492.160+/-0.079 χ^2/NDF: 2336000.5/34

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.977+/-14.977 χ^2/NDF:19.7/17

Right Out: -11.261+/-24.324 χ^2/NDF: 24.0/18

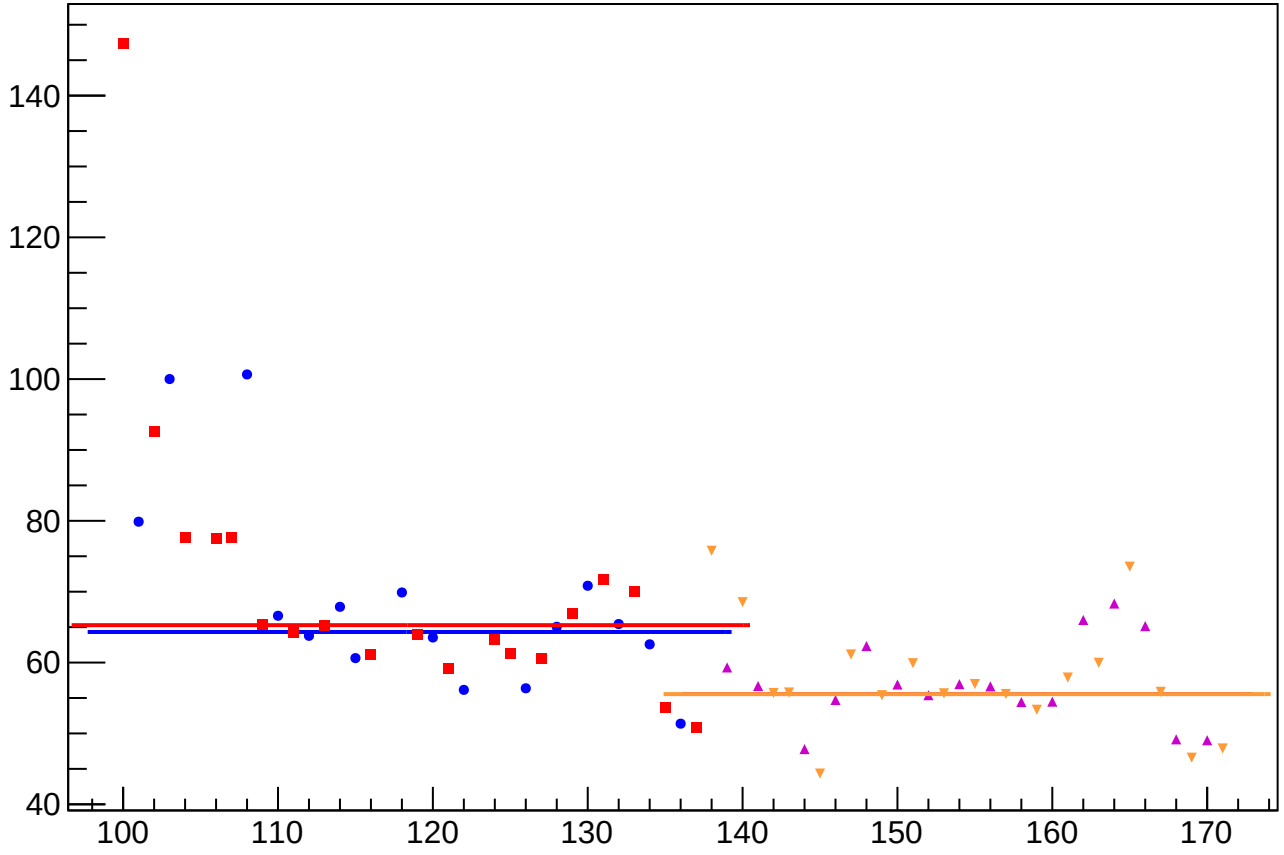
Left In: 14.742+/-15.570 χ^2/NDF:16.9/15

+ sign 8.036+/-12.777 χ^2/NDF: 37.7/33

All: 7.621+/-9.151 χ^2/NDF: 79.4/68

- sign 7.185+/-13.114 χ^2/NDF: 41.7/34

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.547+/-0.011 χ^2/NDF:473098.0/17

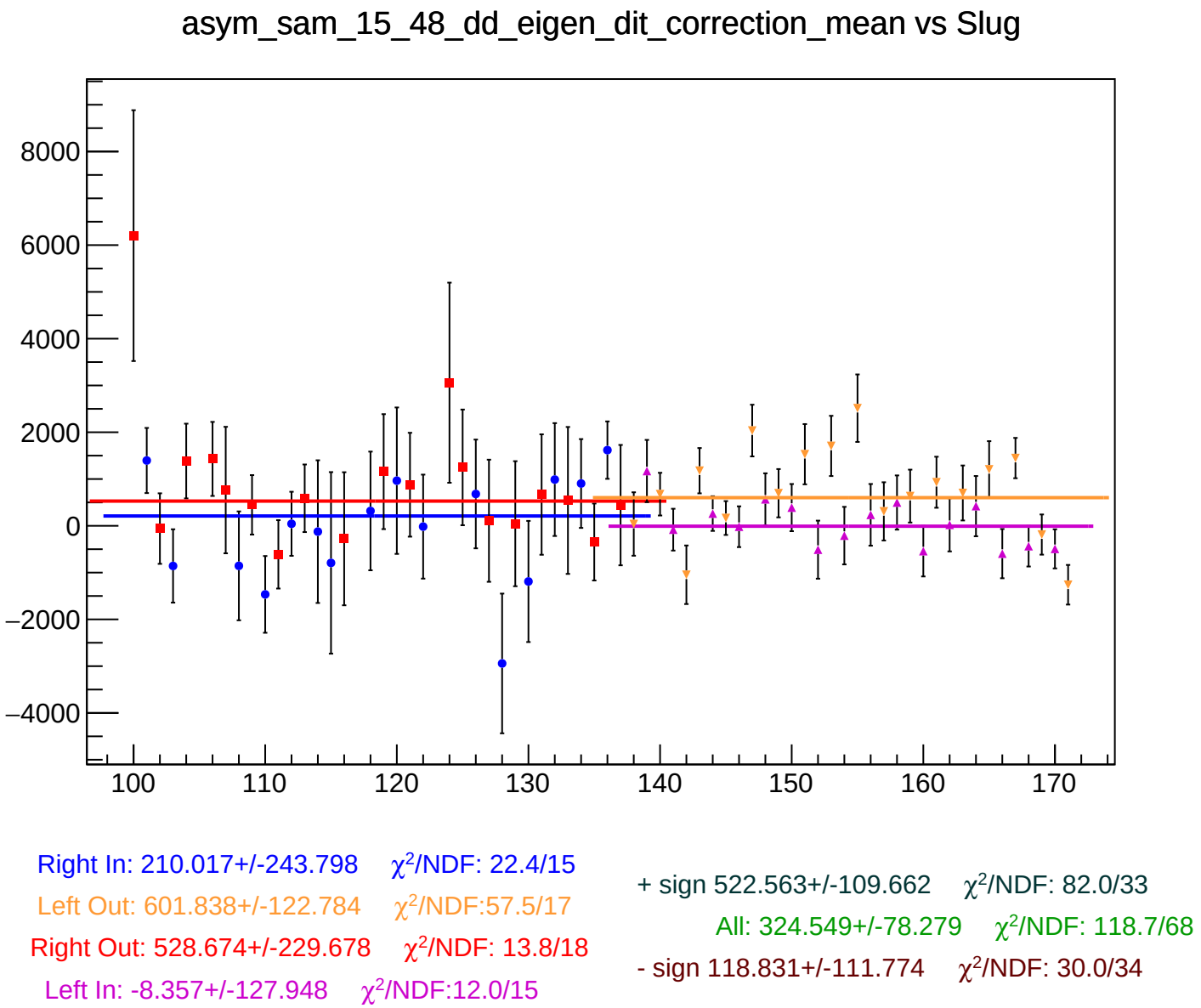
Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

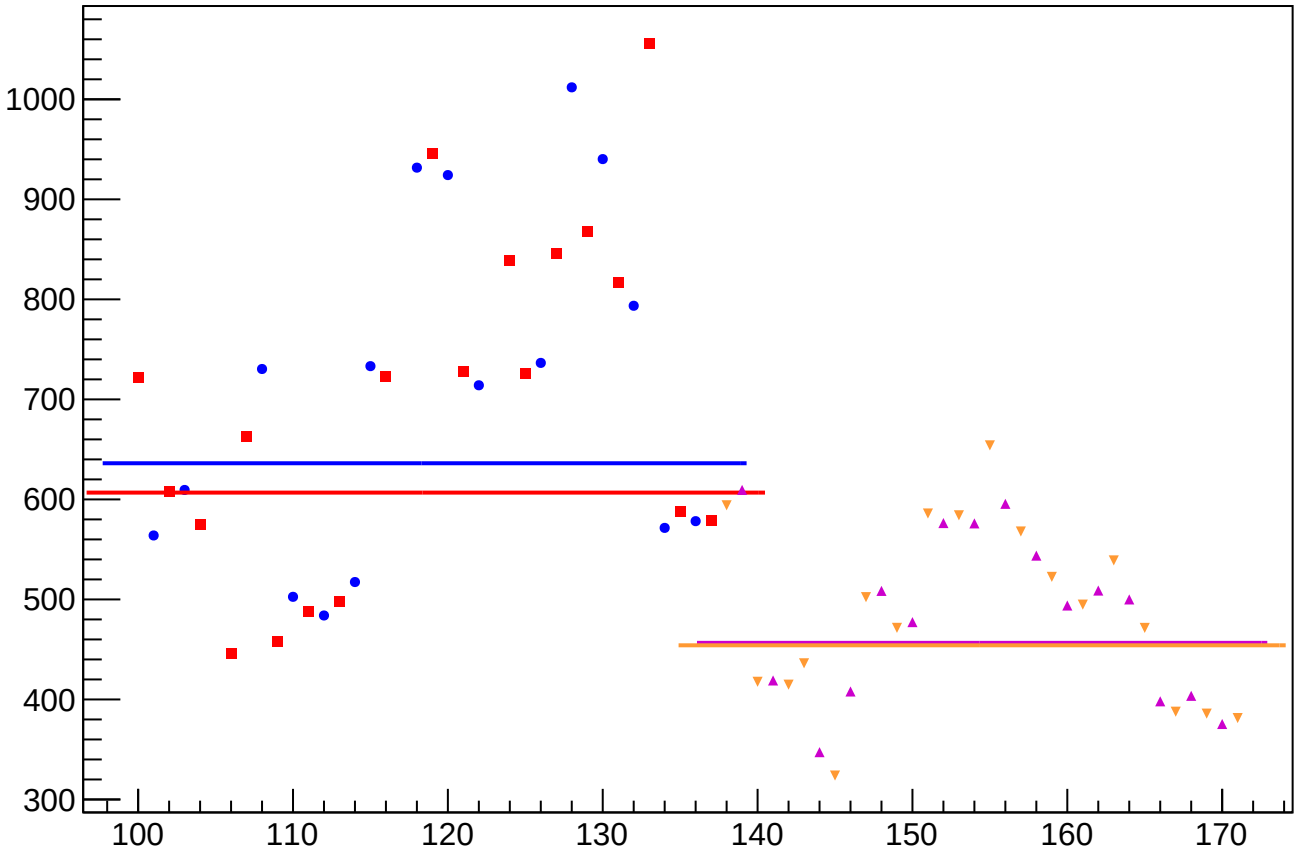
Left In: 55.562+/-0.011 χ^2/NDF:233816.1/15

+ sign 57.934+/-0.009 χ^2/NDF: 1124671.7/33

All: 58.154+/-0.006 χ^2/NDF: 1905165.7/68

- sign 58.386+/-0.009 χ^2/NDF: 779276.9/34


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 601.838+/-122.784 χ²/NDF:57.5/17
Right Out: 528.674+/-229.678 χ²/NDF: 13.8/18
Left In: -8.357+/-127.948 χ²/NDF:12.0/15
+ sign 522.563+/-109.662 χ²/NDF: 82.0/33
All: 324.549+/-78.279 χ²/NDF: 118.7/68
- sign 118.831+/-111.774 χ²/NDF: 30.0/34



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 454.137+/-0.087 χ^2/NDF:1012486.1/17

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

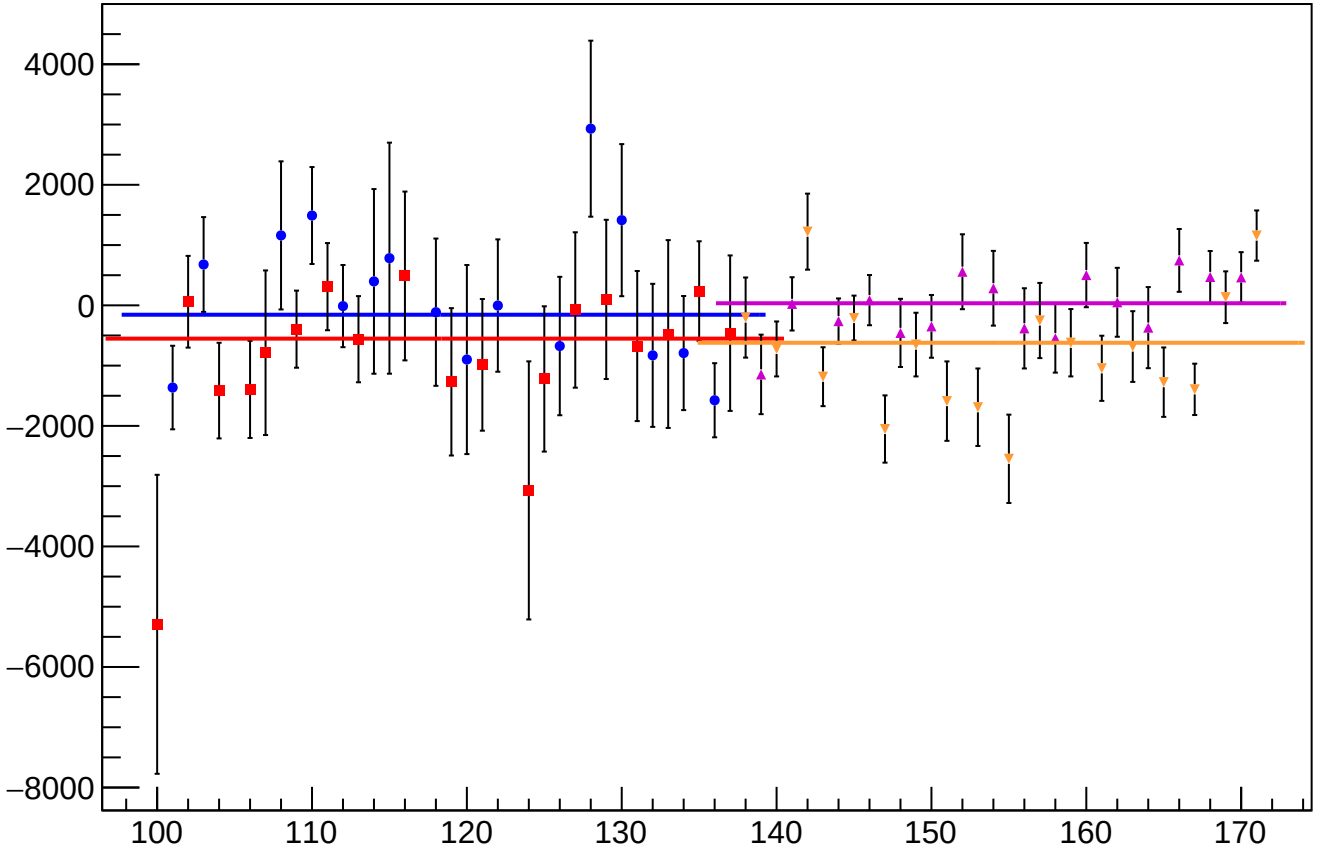
Left In: 456.581+/-0.090 χ^2/NDF:789200.4/15

+ sign 490.962+/-0.078 χ^2/NDF: 2606869.4/33

All: 491.549+/-0.055 χ^2/NDF: 4942999.8/68

- sign 492.159+/-0.079 χ^2/NDF: 2336013.5/34

asym_sam_15_48_dd_mean vs Slug



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -620.680+/-122.913 χ^2/NDF:56.8/17

Right Out: -552.176+/-228.890 χ^2/NDF: 12.1/18

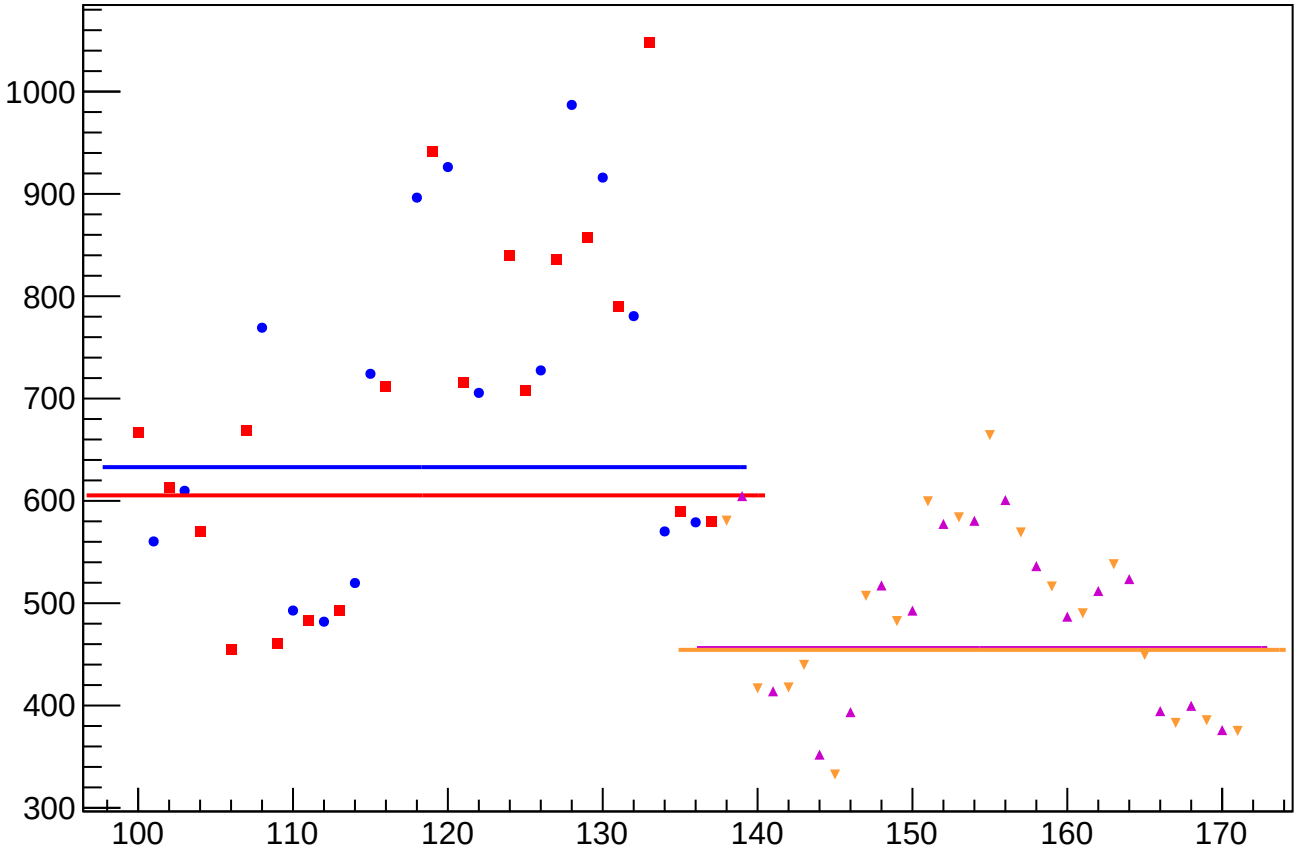
Left In: 34.675+/-127.869 χ^2/NDF:12.5/15

+ sign -525.690+/-109.643 χ^2/NDF: 82.2/33

All: -319.080+/-78.223 χ^2/NDF: 119.1/68

- sign -104.911+/-111.631 χ^2/NDF: 29.6/34

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 454.409+/-0.087 χ^2/NDF:996292.9/17

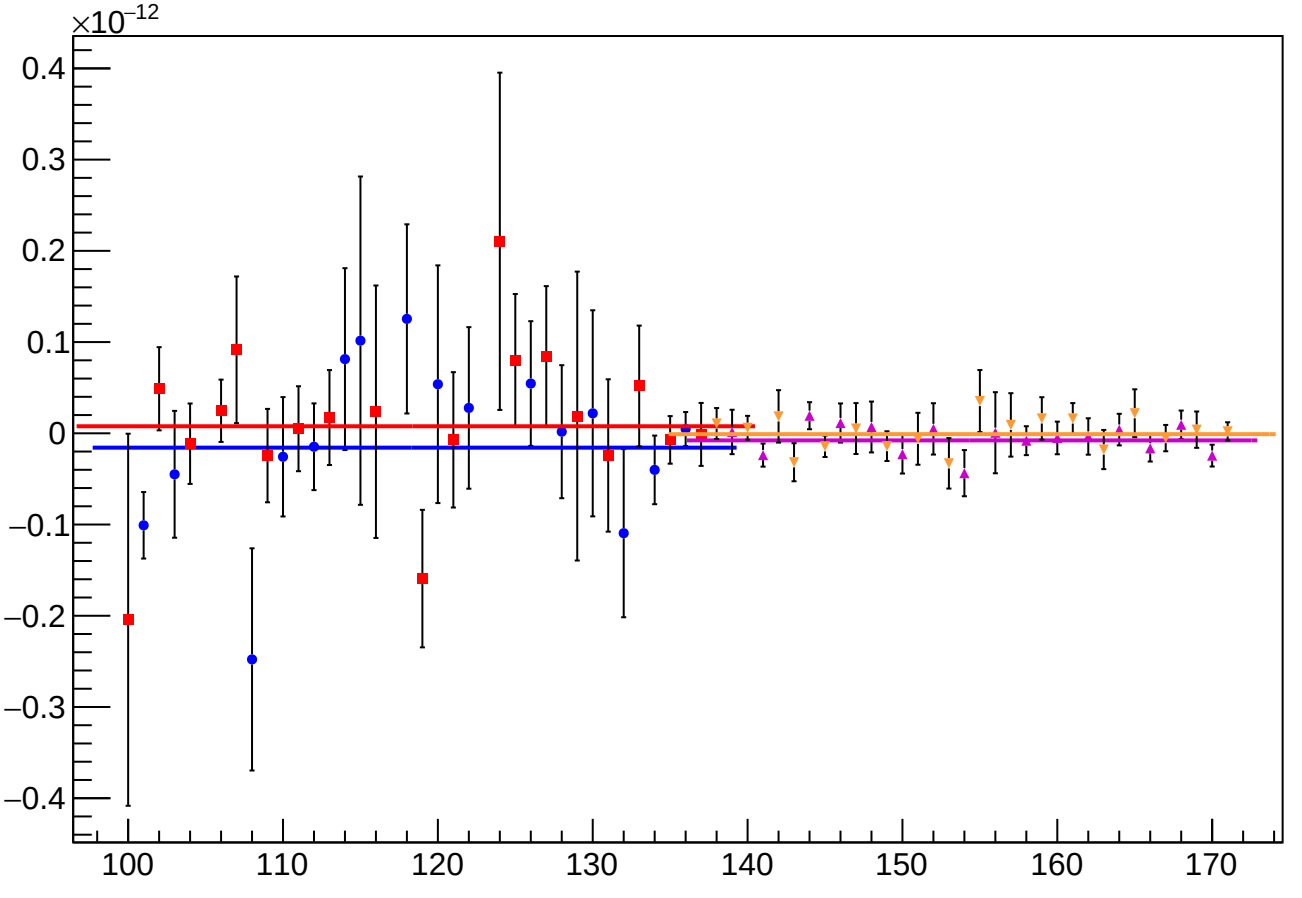
Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 456.188+/-0.090 χ^2/NDF:823703.4/15

+ sign 490.882+/-0.078 χ^2/NDF: 2539594.1/33

All: 491.270+/-0.055 χ^2/NDF: 4864884.9/68

- sign 491.672+/-0.079 χ^2/NDF: 2325239.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/17

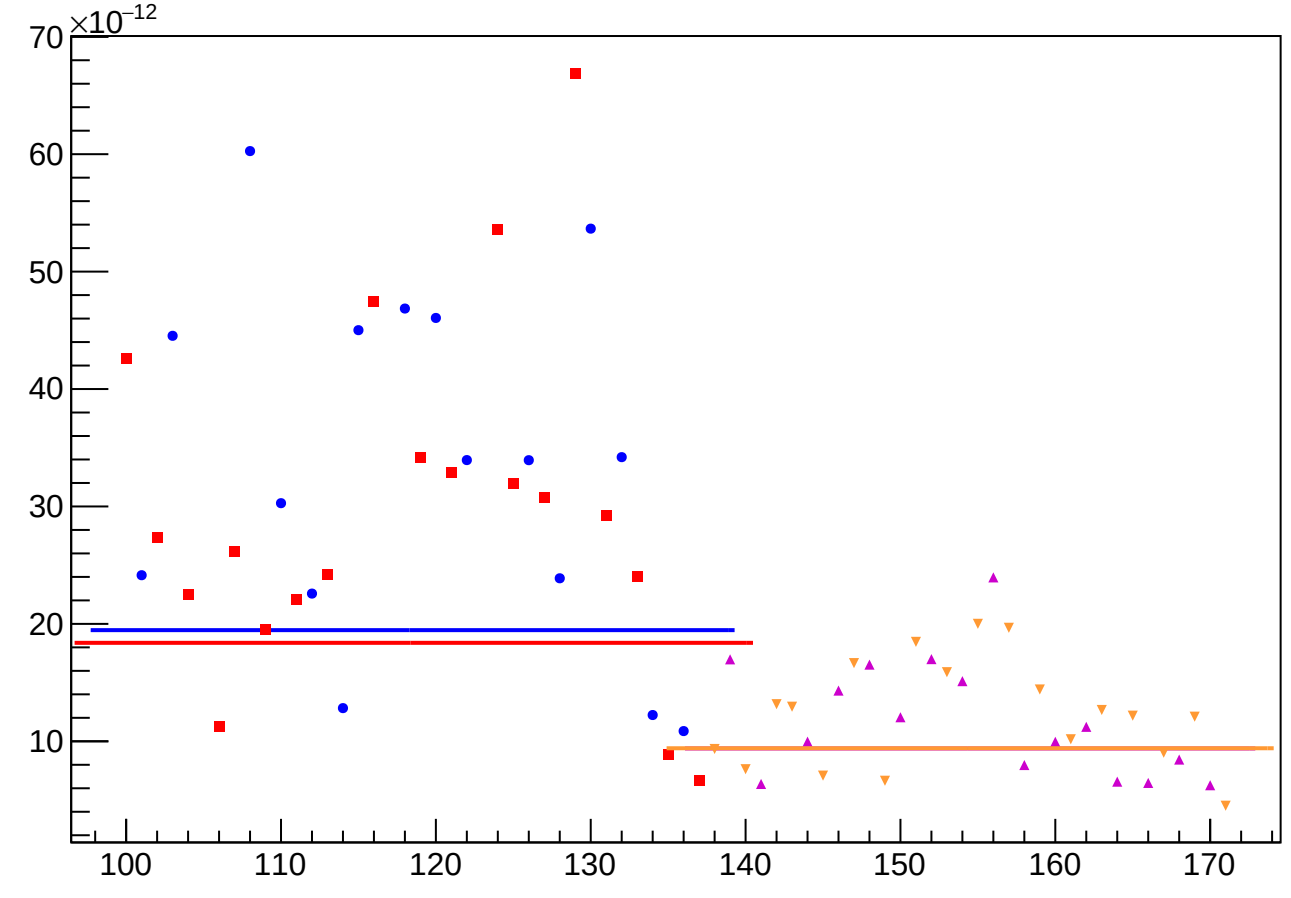
Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/15

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/33

All: -0.000+/-0.000 χ^2/NDF: 57.1/68

- sign -0.000+/-0.000 χ^2/NDF: 27.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1767339.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

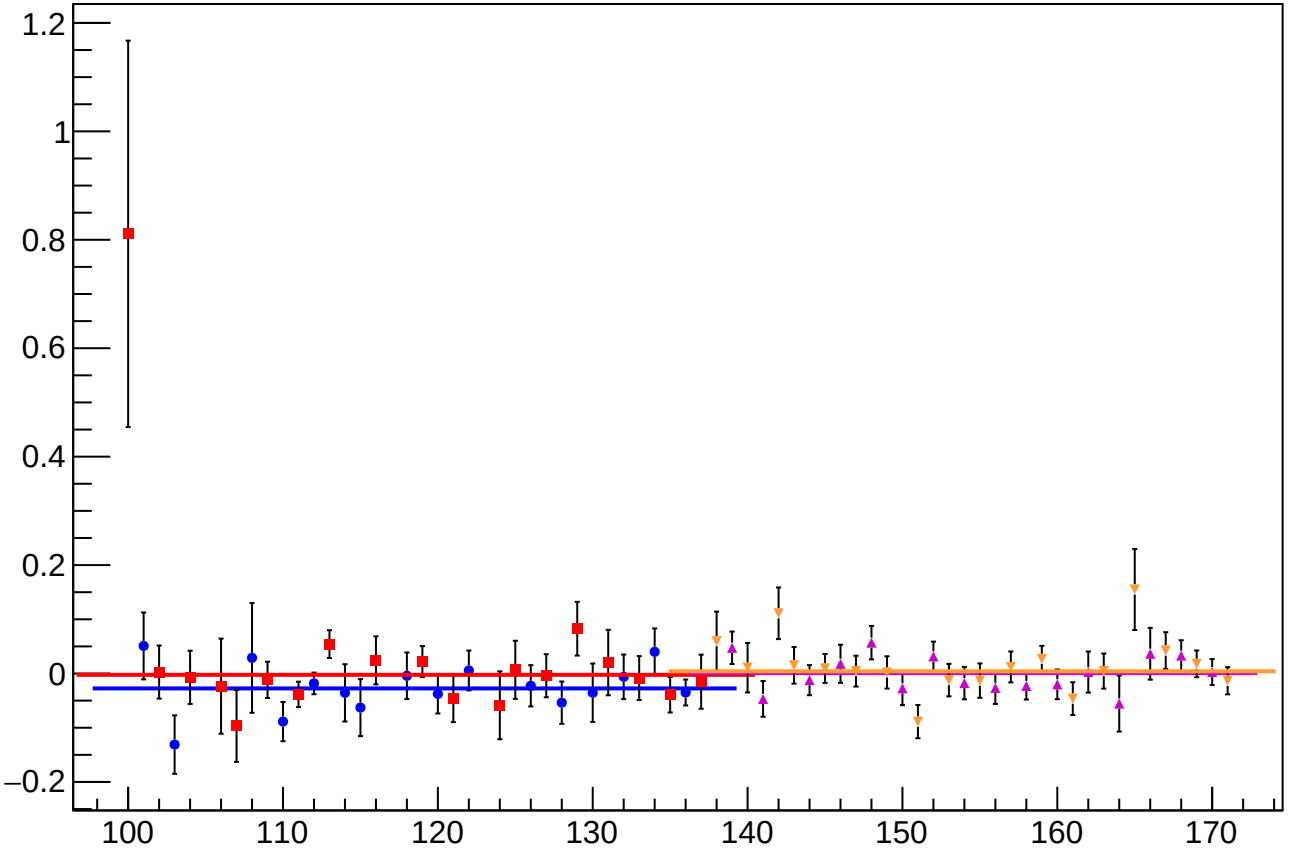
Left In: 0.000+/-0.000 χ^2/NDF:1358004.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 4646690.5/33

All: 0.000+/-0.000 χ^2/NDF: 8414595.6/68

- sign 0.000+/-0.000 χ^2/NDF: 3767860.6/34

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: 0.004+/-0.007 χ^2/NDF:25.9/17

Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

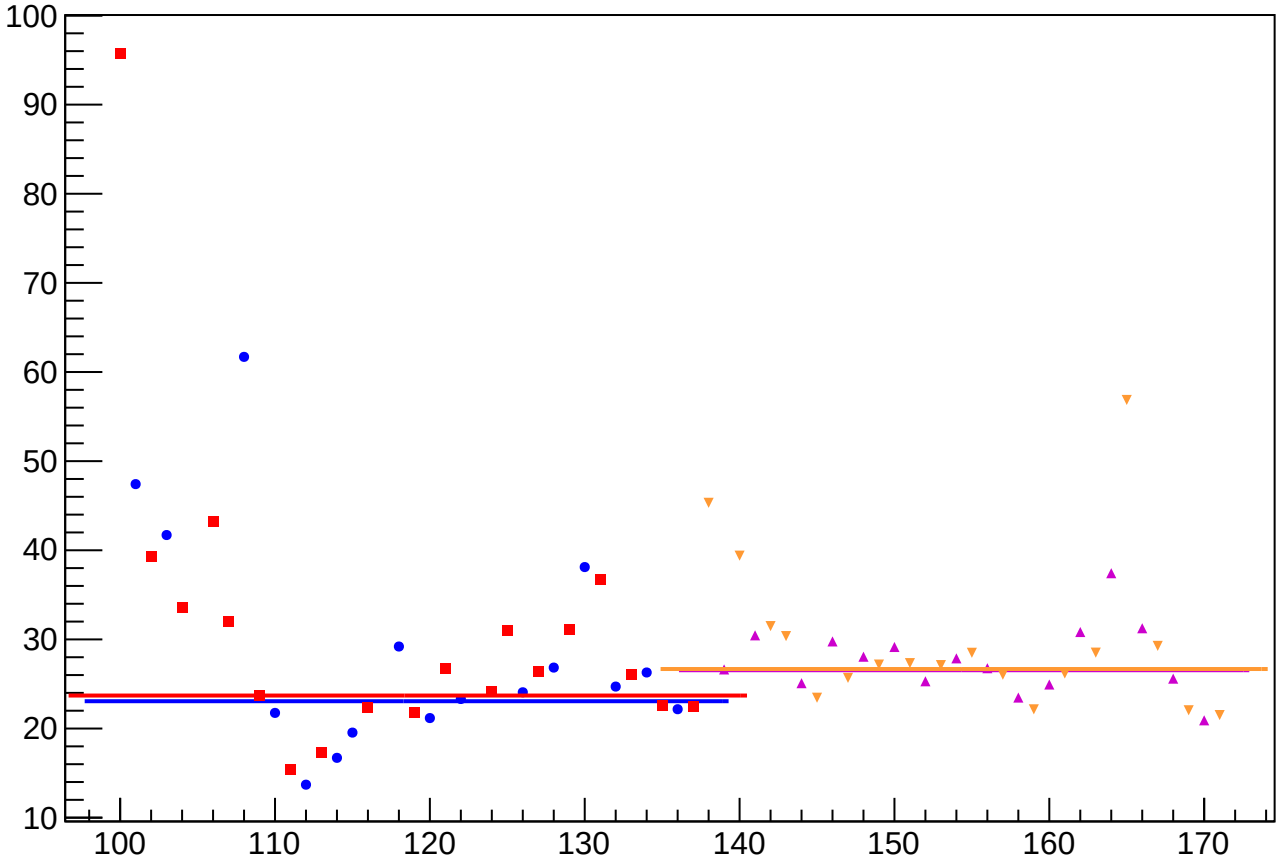
Left In: 0.001+/-0.008 χ^2/NDF:16.1/15

+ sign -0.008+/-0.006 χ^2/NDF: 46.6/33

All: -0.004+/-0.004 χ^2/NDF: 85.7/68

- sign -0.001+/-0.006 χ^2/NDF: 38.3/34

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: 26.678+/-0.005 χ^2/NDF:1046084.0/17

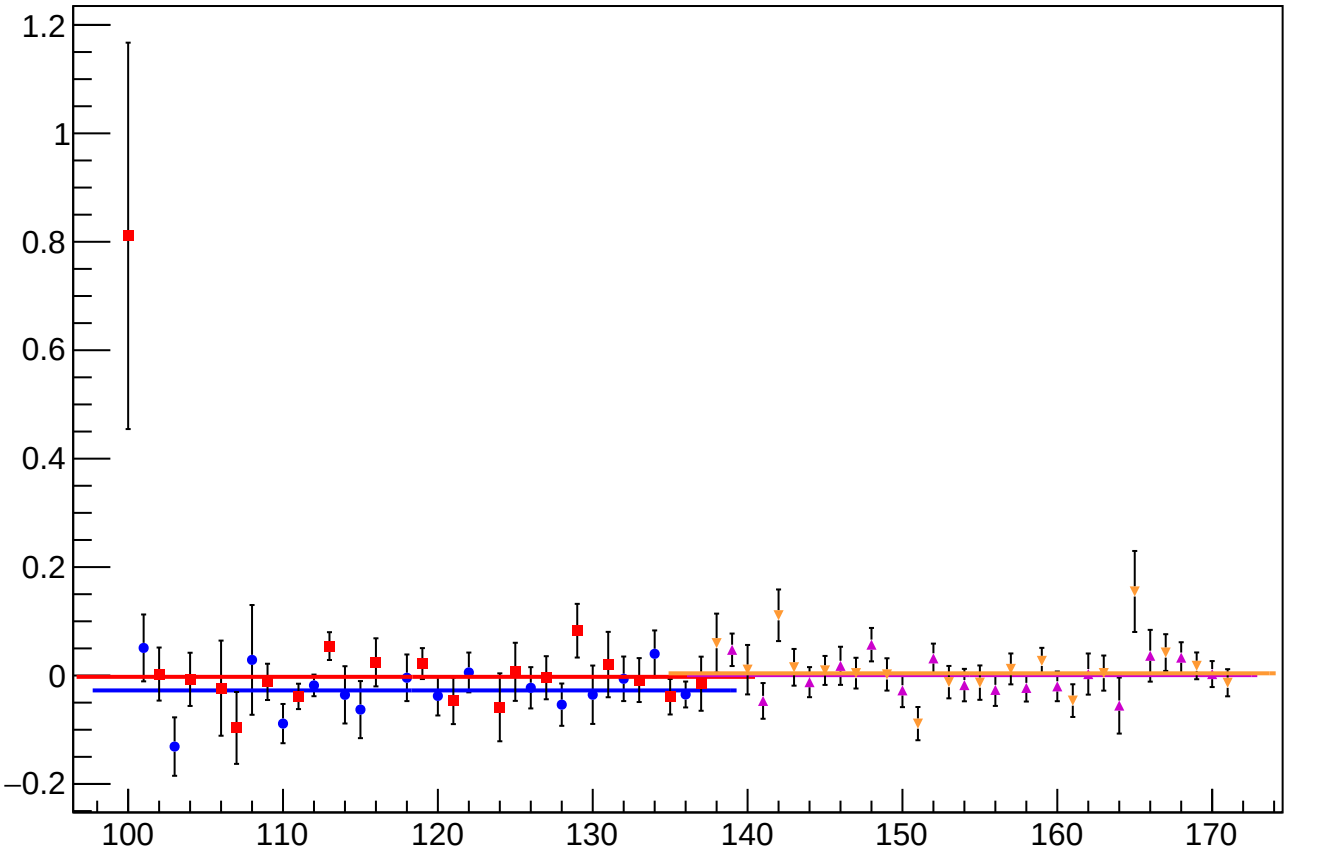
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.543+/-0.005 χ^2/NDF:360268.4/15

+ sign 25.300+/-0.004 χ^2/NDF: 2793497.8/33

All: 25.350+/-0.003 χ^2/NDF: 4354426.3/68

- sign 25.402+/-0.004 χ^2/NDF: 1560623.8/34



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

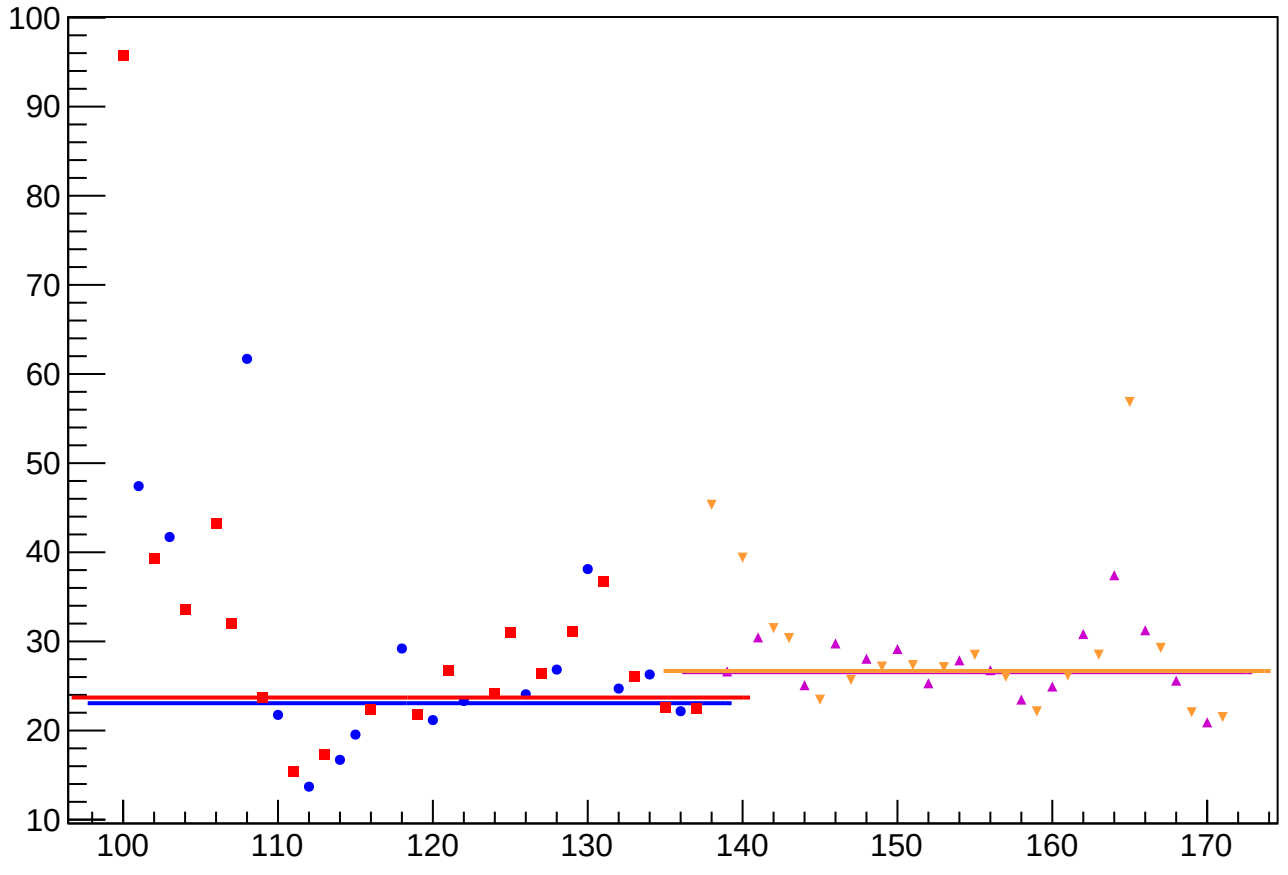
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/15

+ sign -0.008+/-0.006 χ^2/NDF: 46.6/33

All: -0.004+/-0.004 χ^2/NDF: 85.7/68

- sign -0.001+/-0.006 χ^2/NDF: 38.3/34



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.678+/-0.005 χ^2/NDF:1046084.0/17

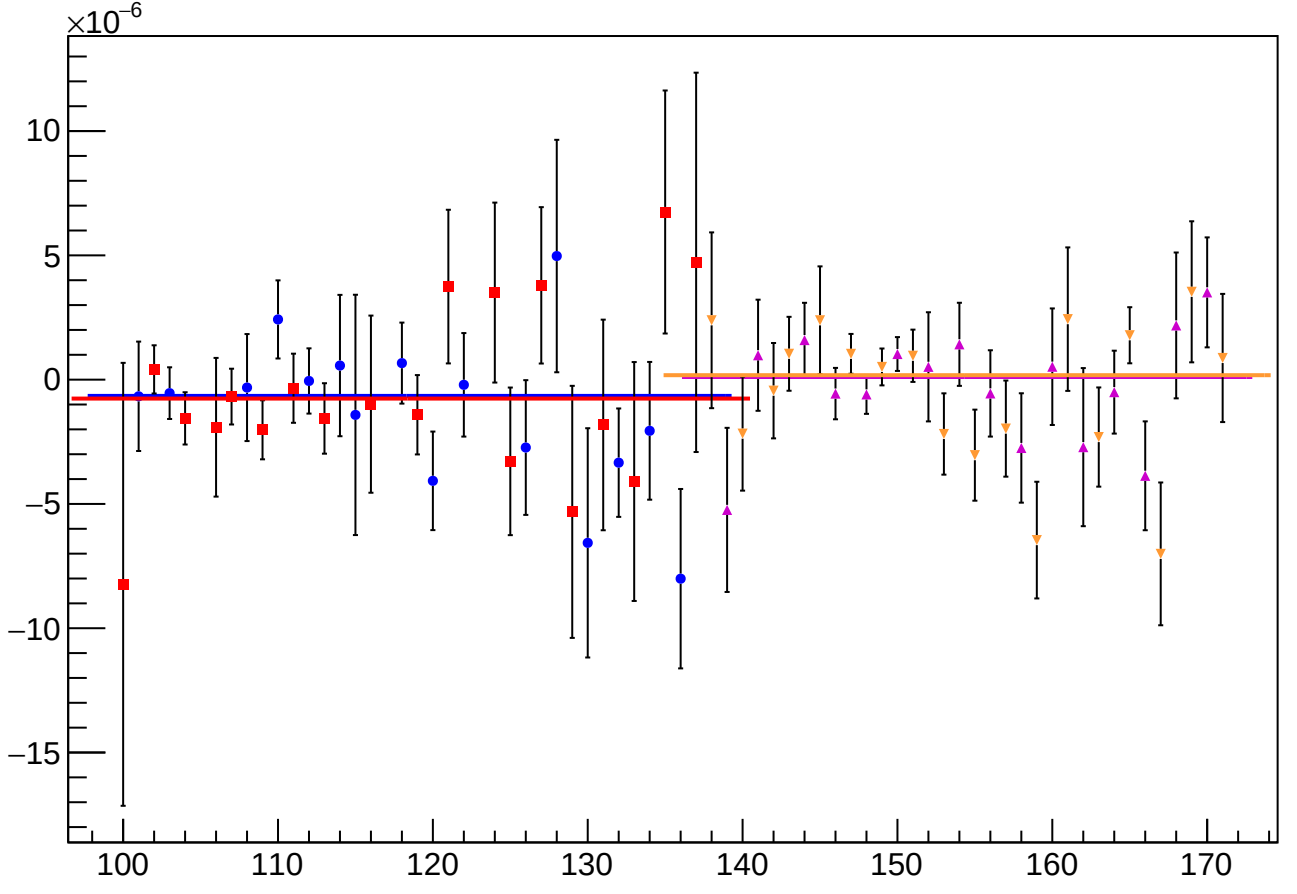
Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.543+/-0.005 χ^2/NDF:360268.4/15

+ sign 25.300+/-0.004 χ^2/NDF: 2793497.8/33

All: 25.350+/-0.003 χ^2/NDF: 4354426.3/68

- sign 25.402+/-0.004 χ^2/NDF: 1560623.8/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

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

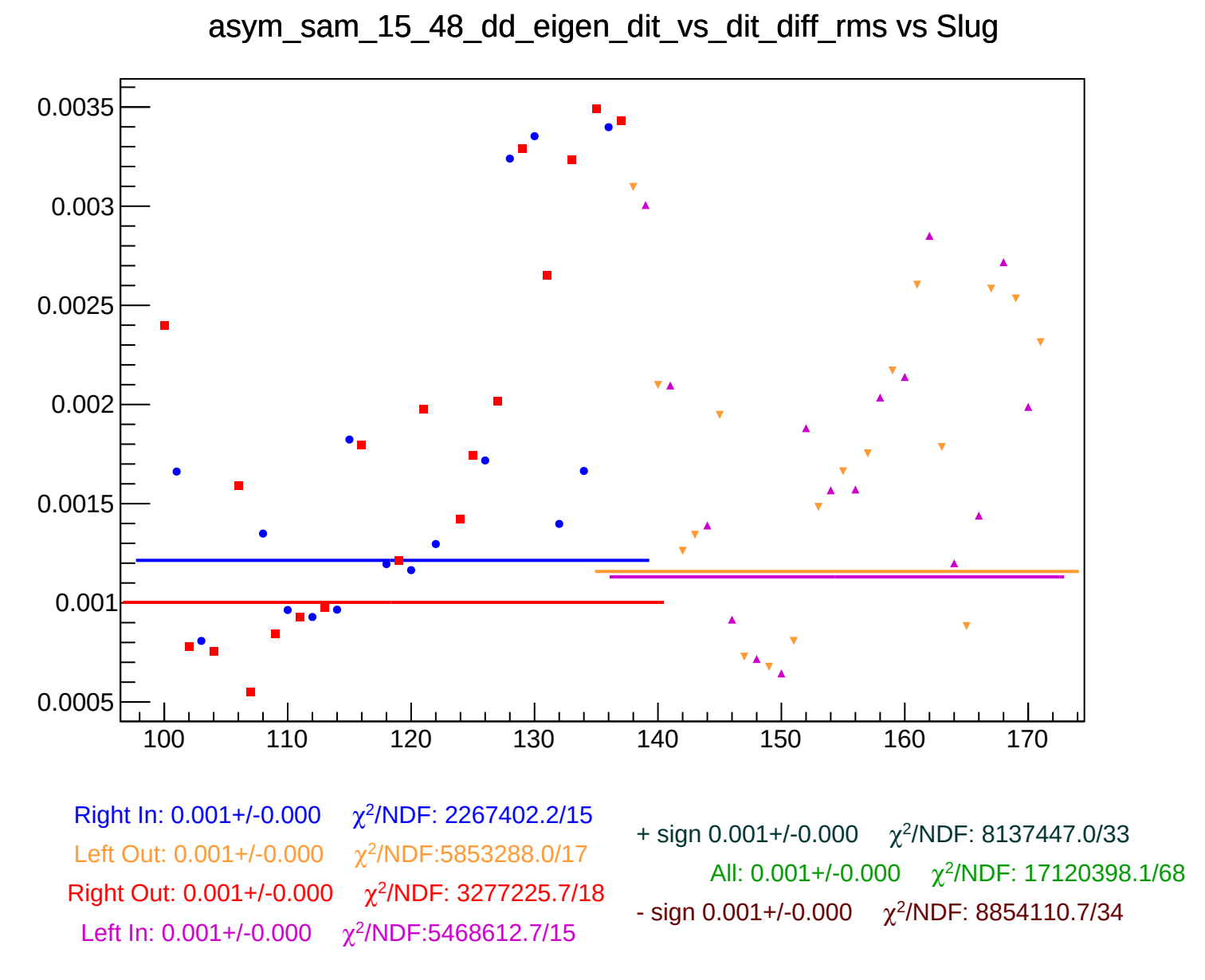
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

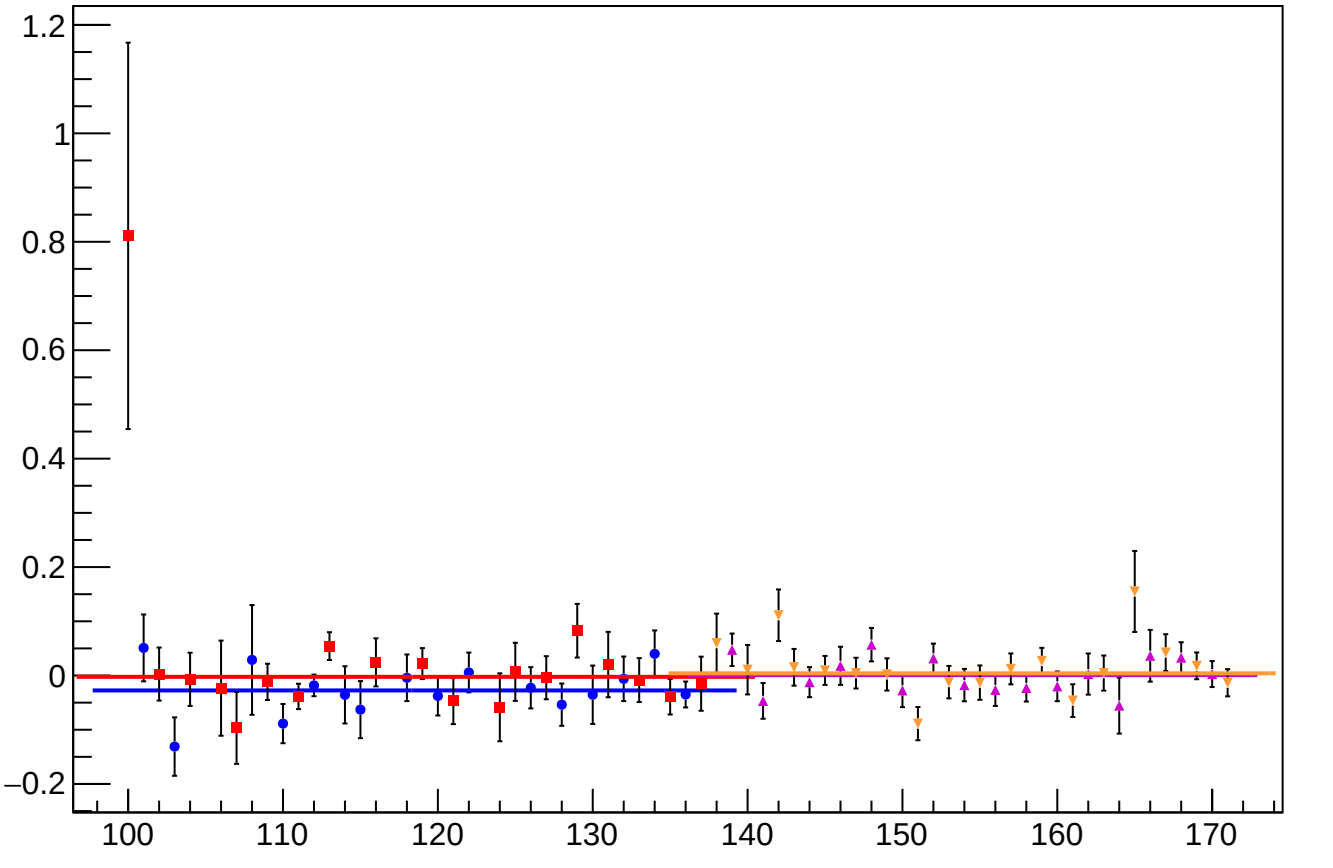
Left In: 0.000+/-0.000 χ^2/NDF:16.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/33

All: -0.000+/-0.000 χ^2/NDF: 84.8/68

- sign -0.000+/-0.000 χ^2/NDF: 34.1/34


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:5853288.0/17
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:5468612.7/15
+ sign 0.001+/-0.000 χ²/NDF: 8137447.0/33
All: 0.001+/-0.000 χ²/NDF: 17120398.1/68
- sign 0.001+/-0.000 χ²/NDF: 8854110.7/34



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

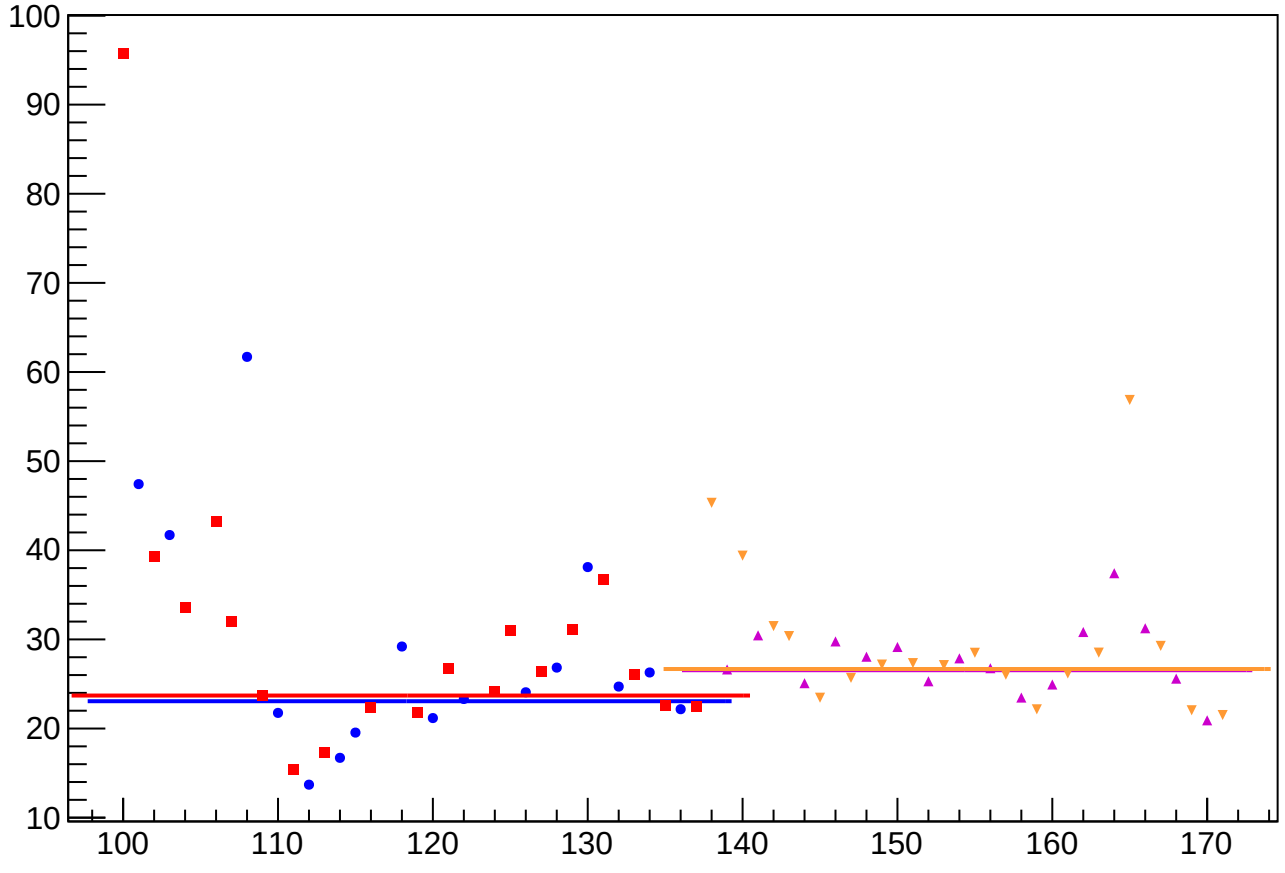
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/15

+ sign -0.008+/-0.006 χ^2/NDF: 46.6/33

All: -0.004+/-0.004 χ^2/NDF: 85.7/68

- sign -0.001+/-0.006 χ^2/NDF: 38.3/34



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1046021.3/17

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

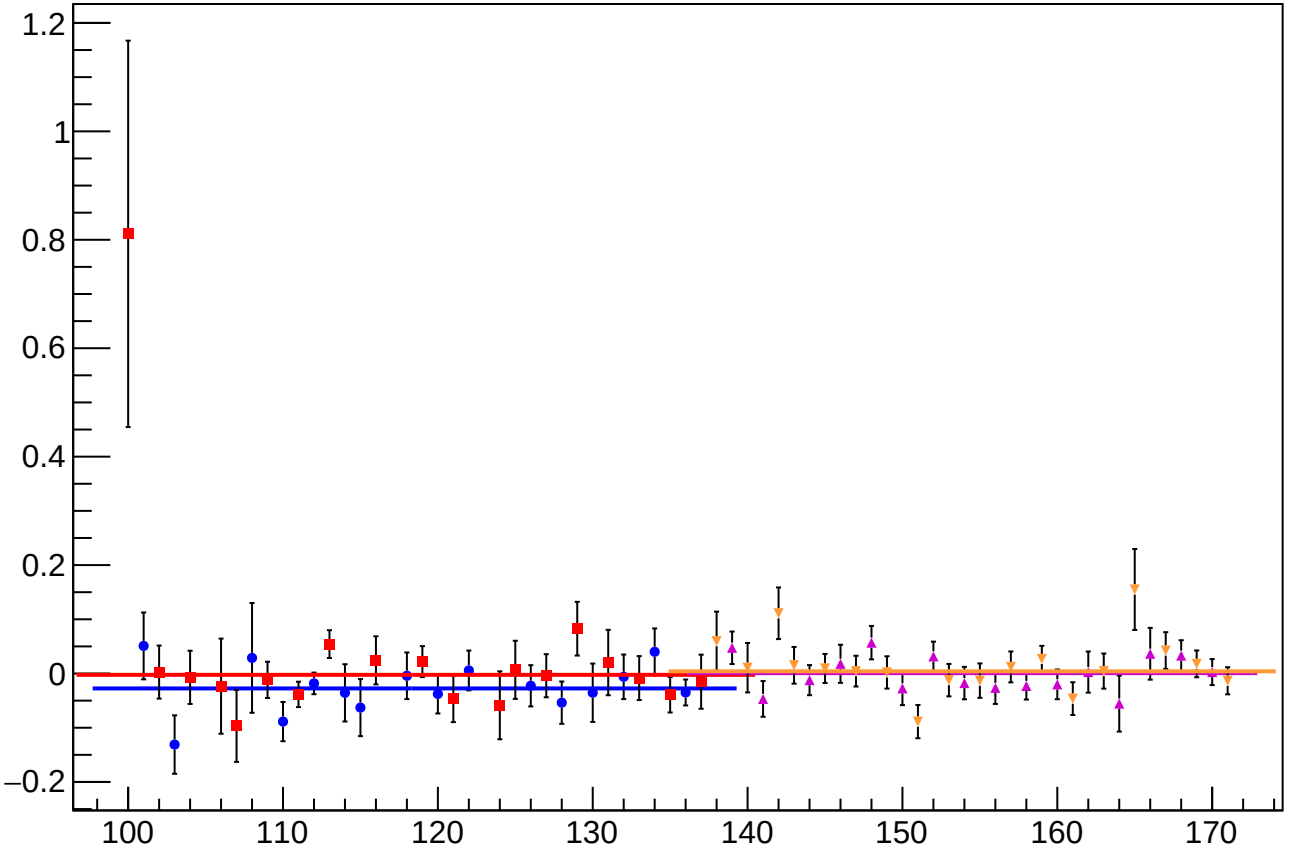
Left In: 26.543+/-0.005 χ^2/NDF:360270.1/15

+ sign 25.300+/-0.004 χ^2/NDF: 2793508.1/33

All: 25.350+/-0.003 χ^2/NDF: 4354511.4/68

- sign 25.402+/-0.004 χ^2/NDF: 1560699.3/34

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

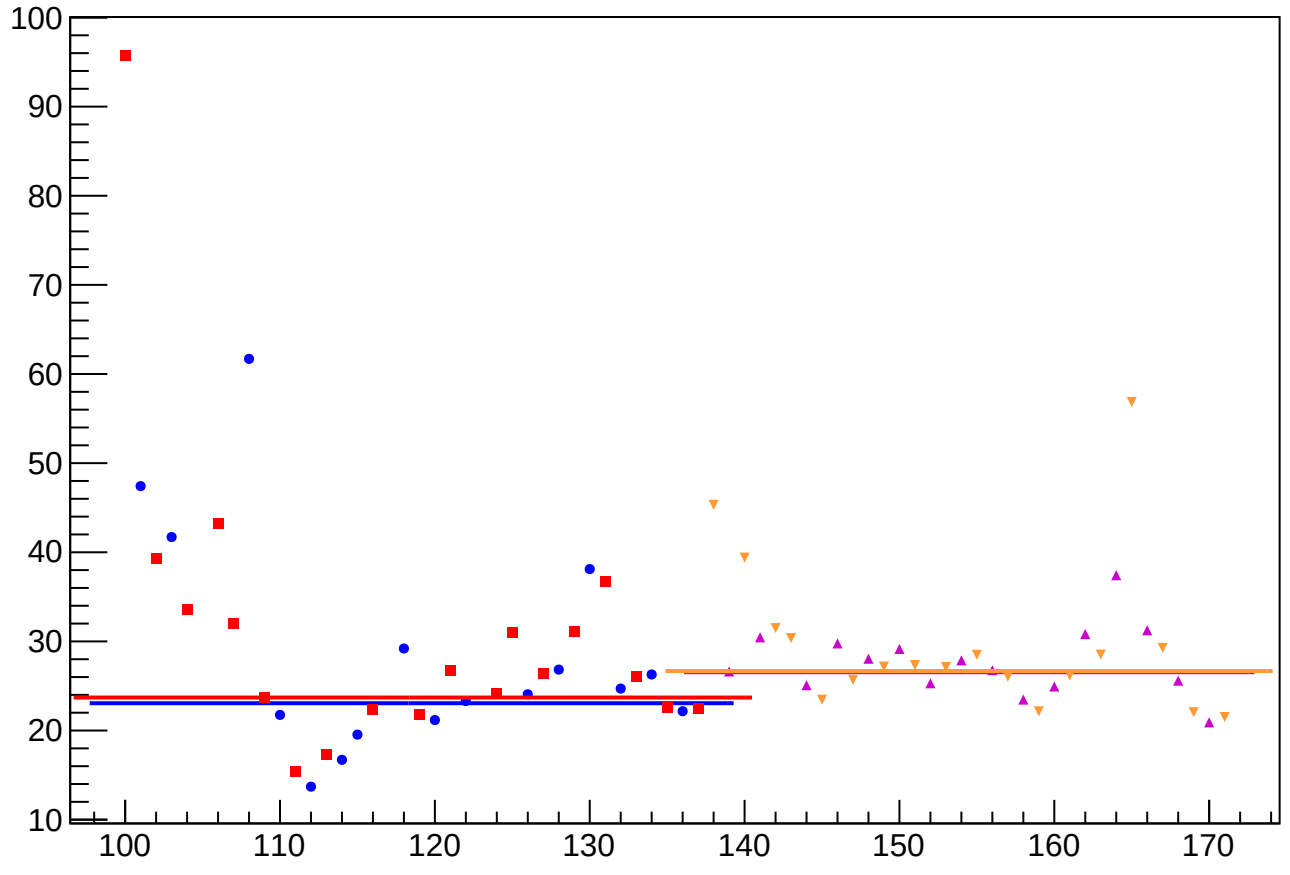
Right Out: -0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.001+/-0.008 χ^2/NDF:16.1/15

+ sign -0.008+/-0.006 χ^2/NDF: 46.6/33

All: -0.004+/-0.004 χ^2/NDF: 85.7/68

- sign -0.001+/-0.006 χ^2/NDF: 38.3/34



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1046021.3/17

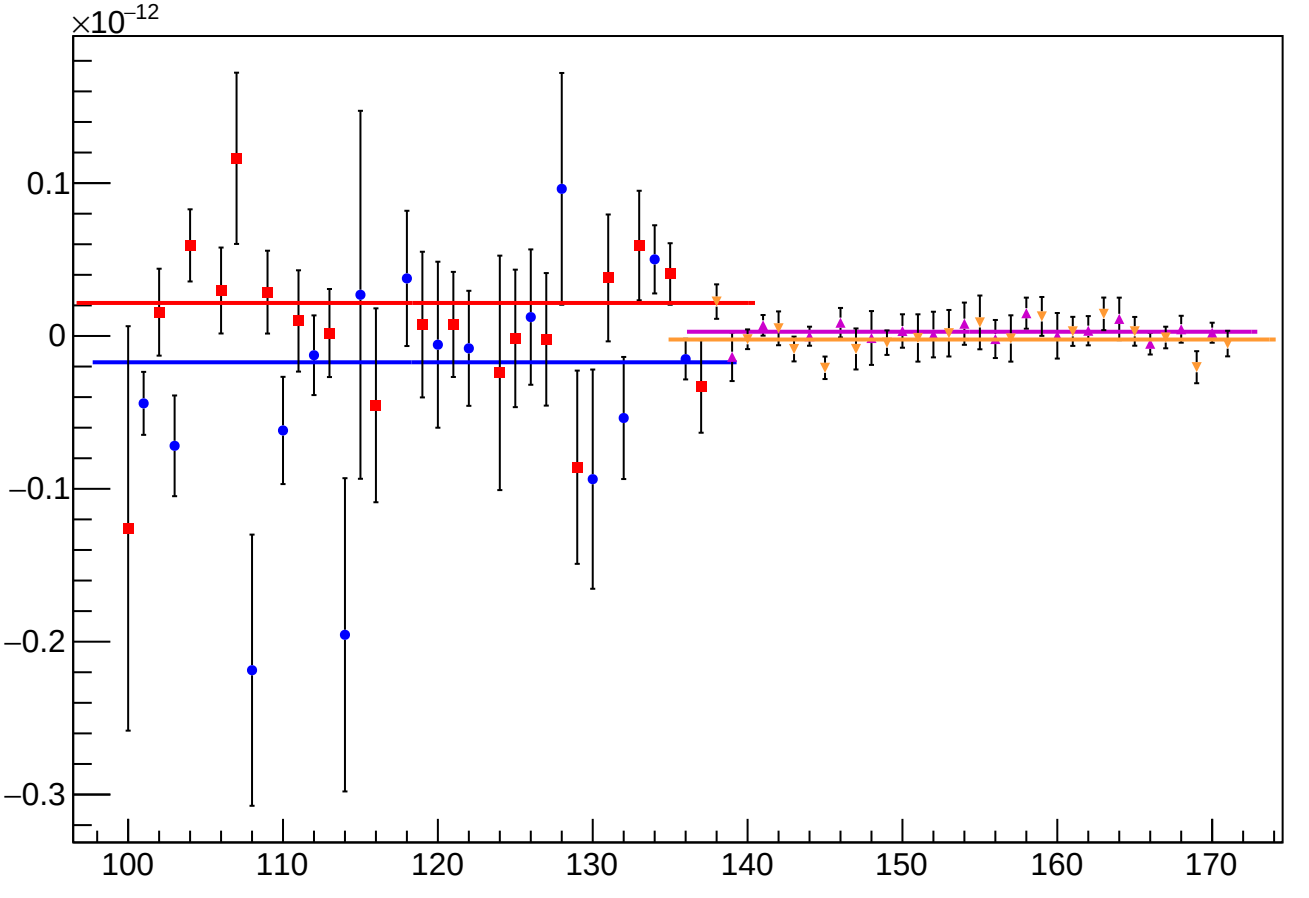
Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.543+/-0.005 χ^2/NDF:360270.1/15

+ sign 25.300+/-0.004 χ^2/NDF: 2793508.1/33

All: 25.350+/-0.003 χ^2/NDF: 4354511.4/68

- sign 25.402+/-0.004 χ^2/NDF: 1560699.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/17

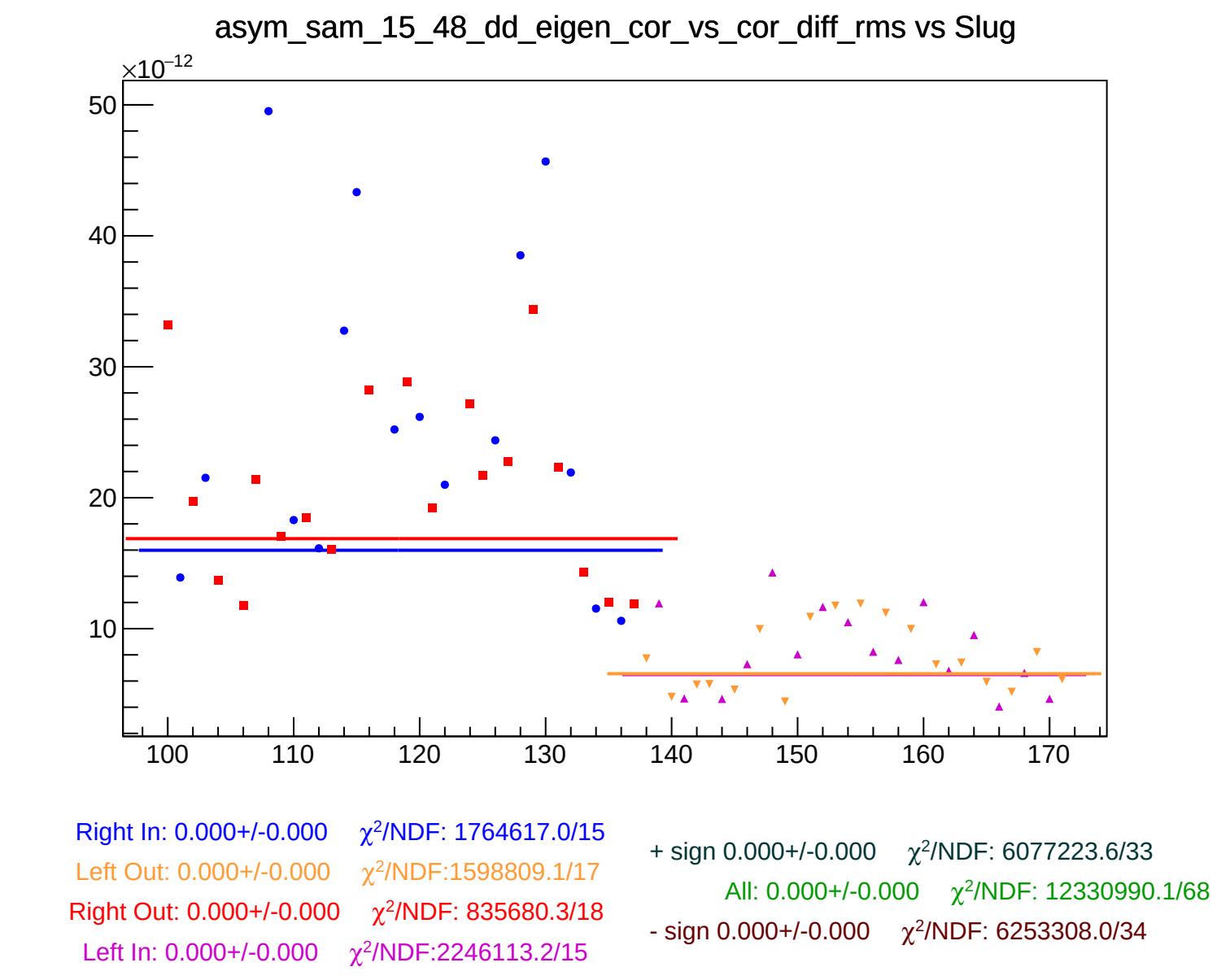
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/15

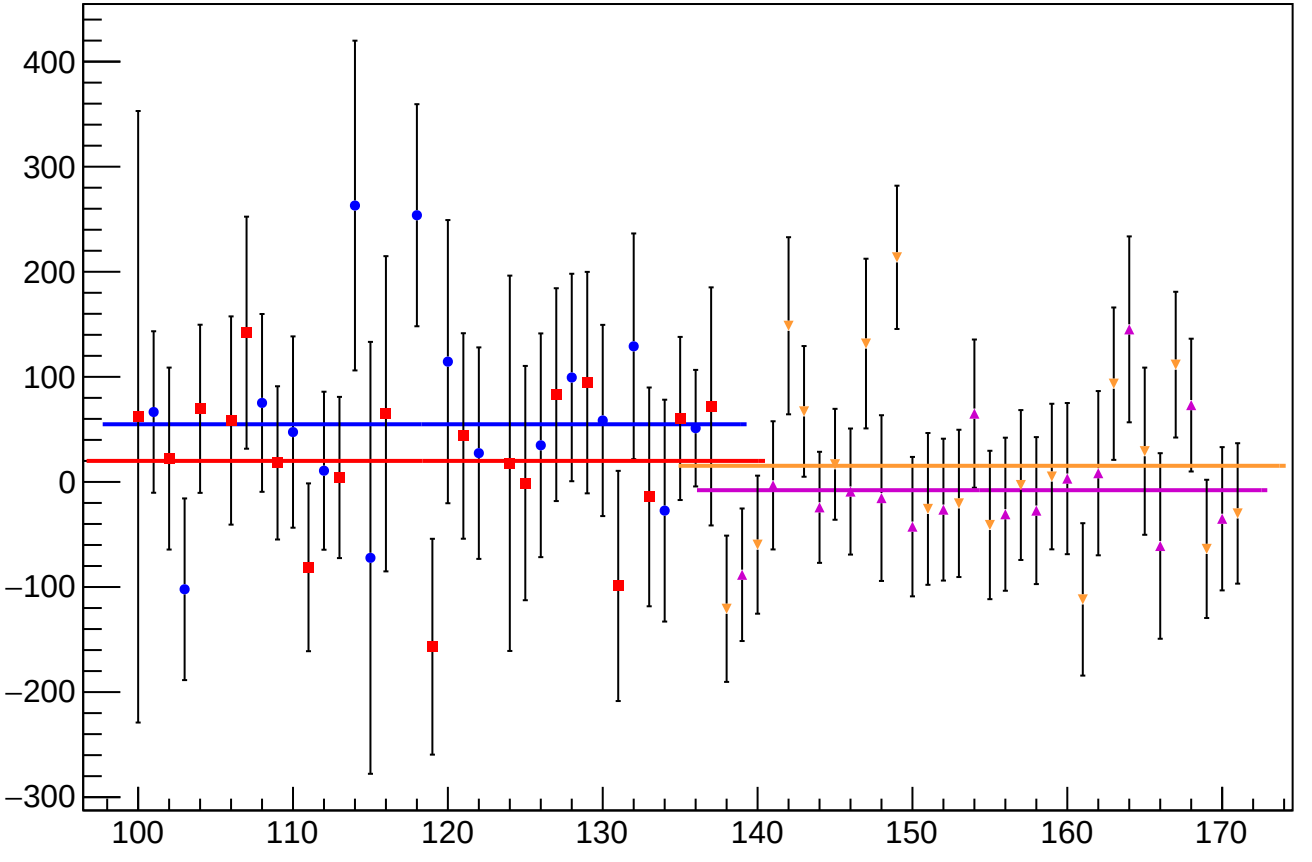
+ sign -0.000+/-0.000 χ^2/NDF: 53.9/33

All: 0.000+/-0.000 χ^2/NDF: 88.7/68

- sign 0.000+/-0.000 χ^2/NDF: 28.7/34


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1598809.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2246113.2/15
+ sign 0.000+/-0.000 χ²/NDF: 6077223.6/33
All: 0.000+/-0.000 χ²/NDF: 12330990.1/68
- sign 0.000+/-0.000 χ²/NDF: 6253308.0/34

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.358+/-16.292 χ^2/NDF:28.3/17

Right Out: 20.020+/-22.571 χ^2/NDF: 9.2/18

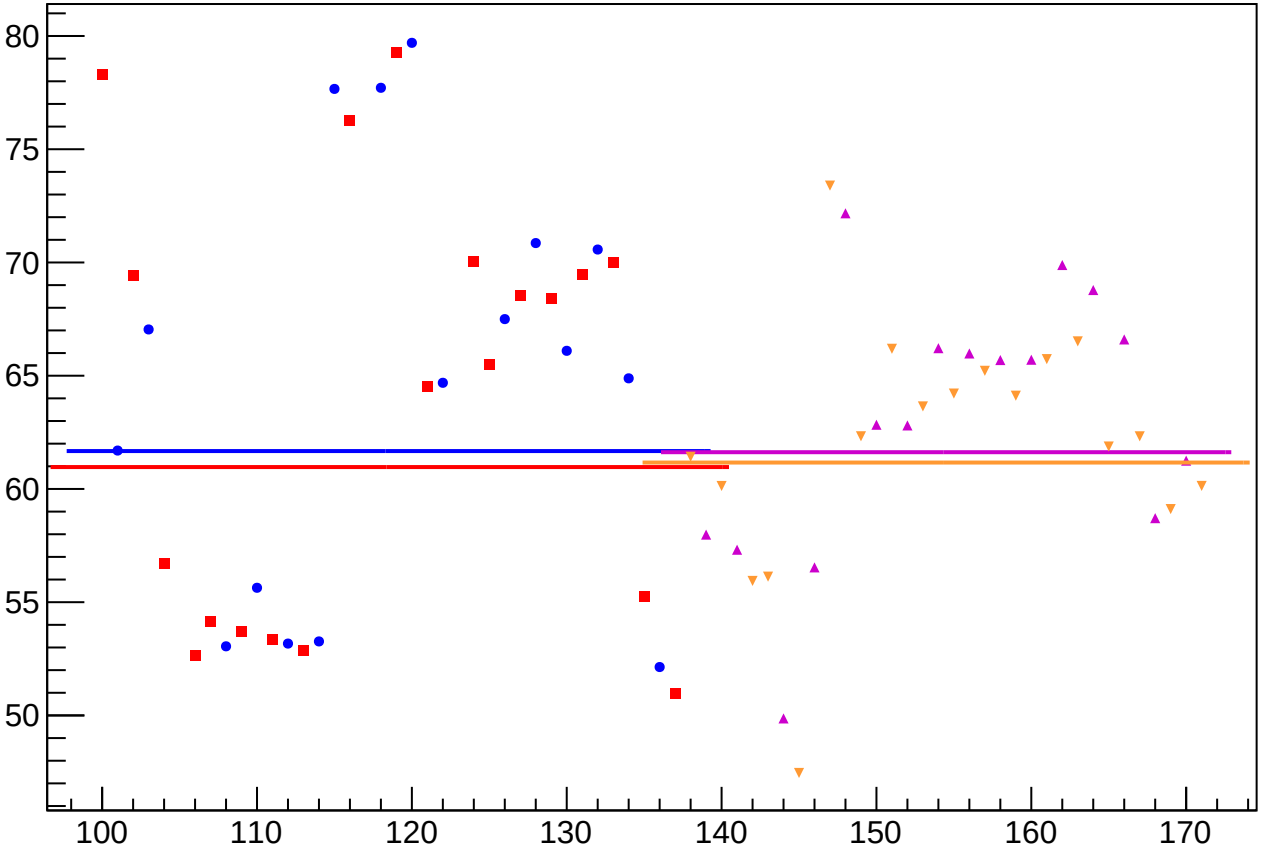
Left In: -7.858+/-17.059 χ^2/NDF:8.6/15

+ sign 28.428+/-13.329 χ^2/NDF: 41.2/33

All: 15.624+/-9.523 χ^2/NDF: 61.9/68

- sign 2.277+/-13.609 χ^2/NDF: 18.8/34

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

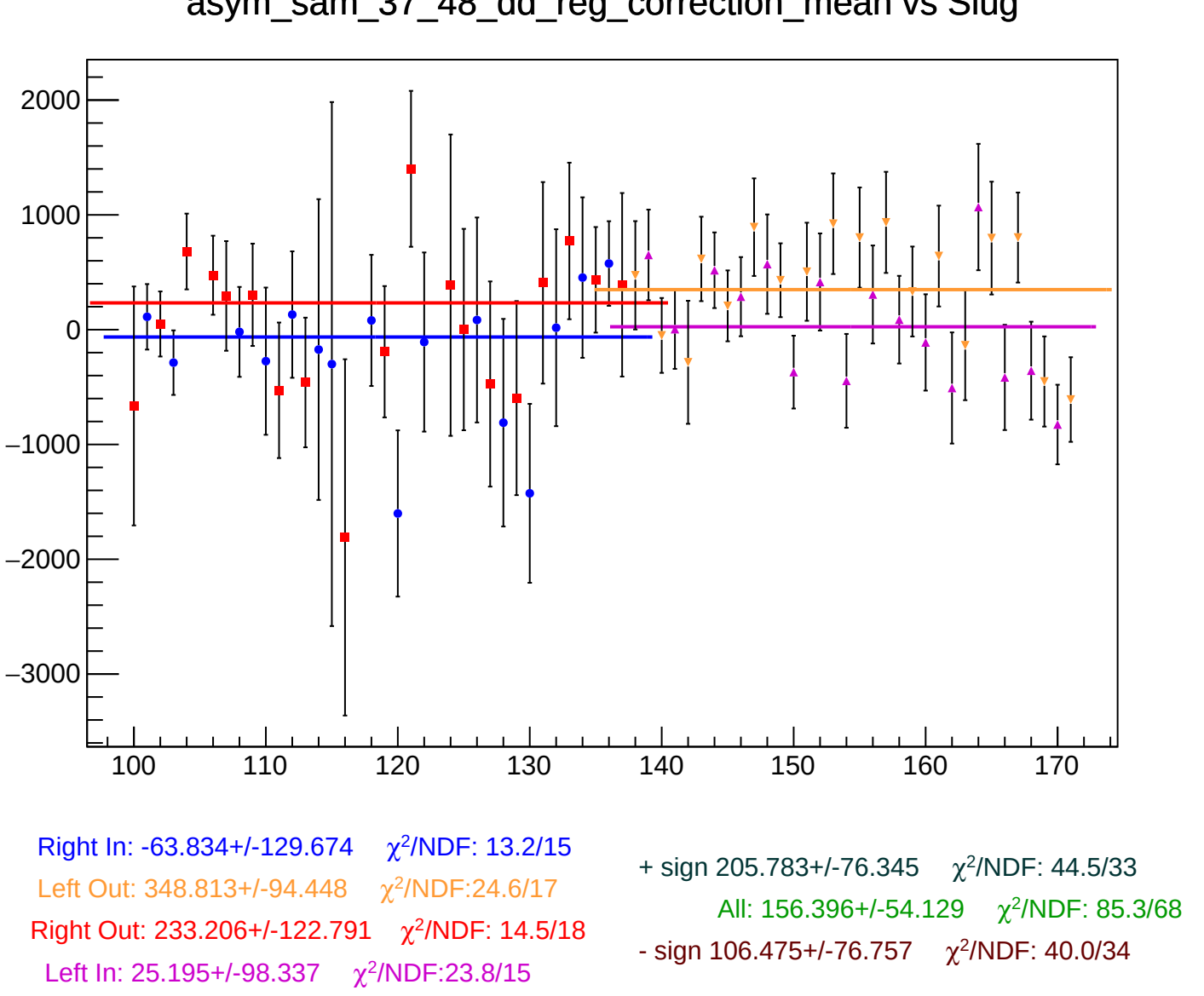
Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

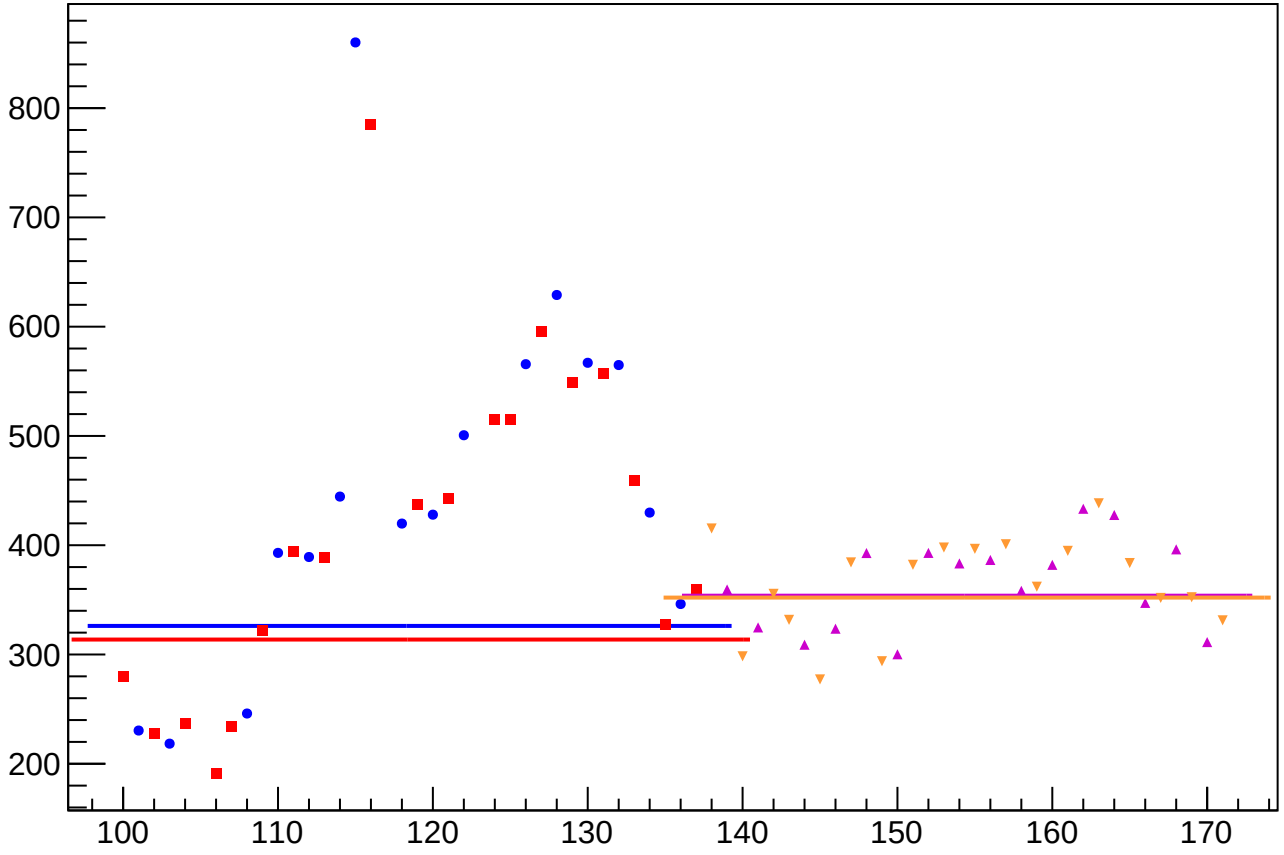
+ sign 61.334+/-0.009 χ^2/NDF: 518370.6/33

All: 61.358+/-0.007 χ^2/NDF: 1045684.5/68

- sign 61.384+/-0.010 χ^2/NDF: 527299.8/34


asym_sam_37_48_dd_reg_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 348.813+/-94.448 χ²/NDF:24.6/17
Right Out: 233.206+/-122.791 χ²/NDF: 14.5/18
Left In: 25.195+/-98.337 χ²/NDF:23.8/15
+ sign 205.783+/-76.345 χ²/NDF: 44.5/33
All: 156.396+/-54.129 χ²/NDF: 85.3/68
- sign 106.475+/-76.757 χ²/NDF: 40.0/34

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 352.073+/-0.067 χ^2/NDF:468249.1/17

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

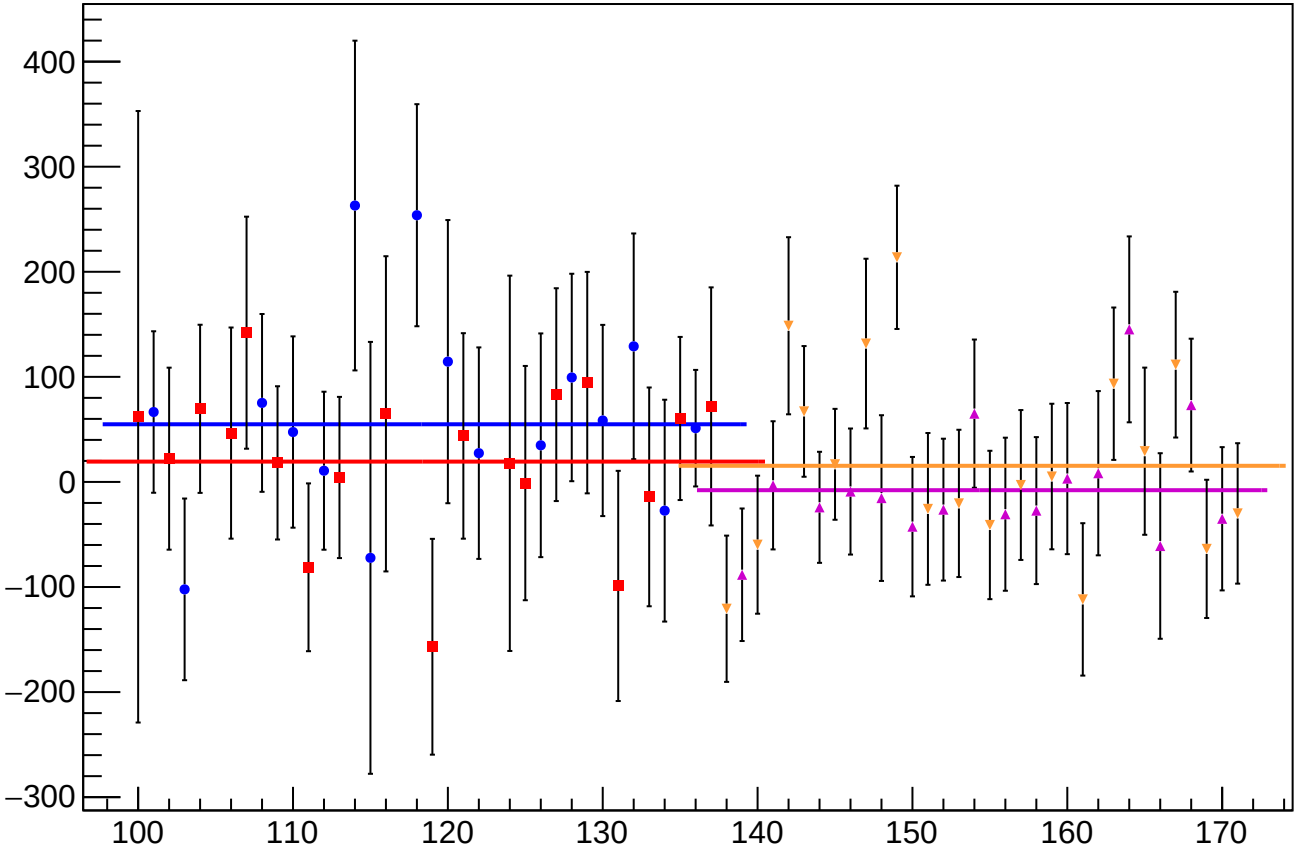
Left In: 353.814+/-0.070 χ^2/NDF:329093.2/15

+ sign 343.087+/-0.054 χ^2/NDF: 2254478.6/33

All: 340.621+/-0.038 χ^2/NDF: 4505336.7/68

- sign 338.128+/-0.054 χ^2/NDF: 2246662.6/34

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.357+/-16.292 χ^2/NDF:28.3/17

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

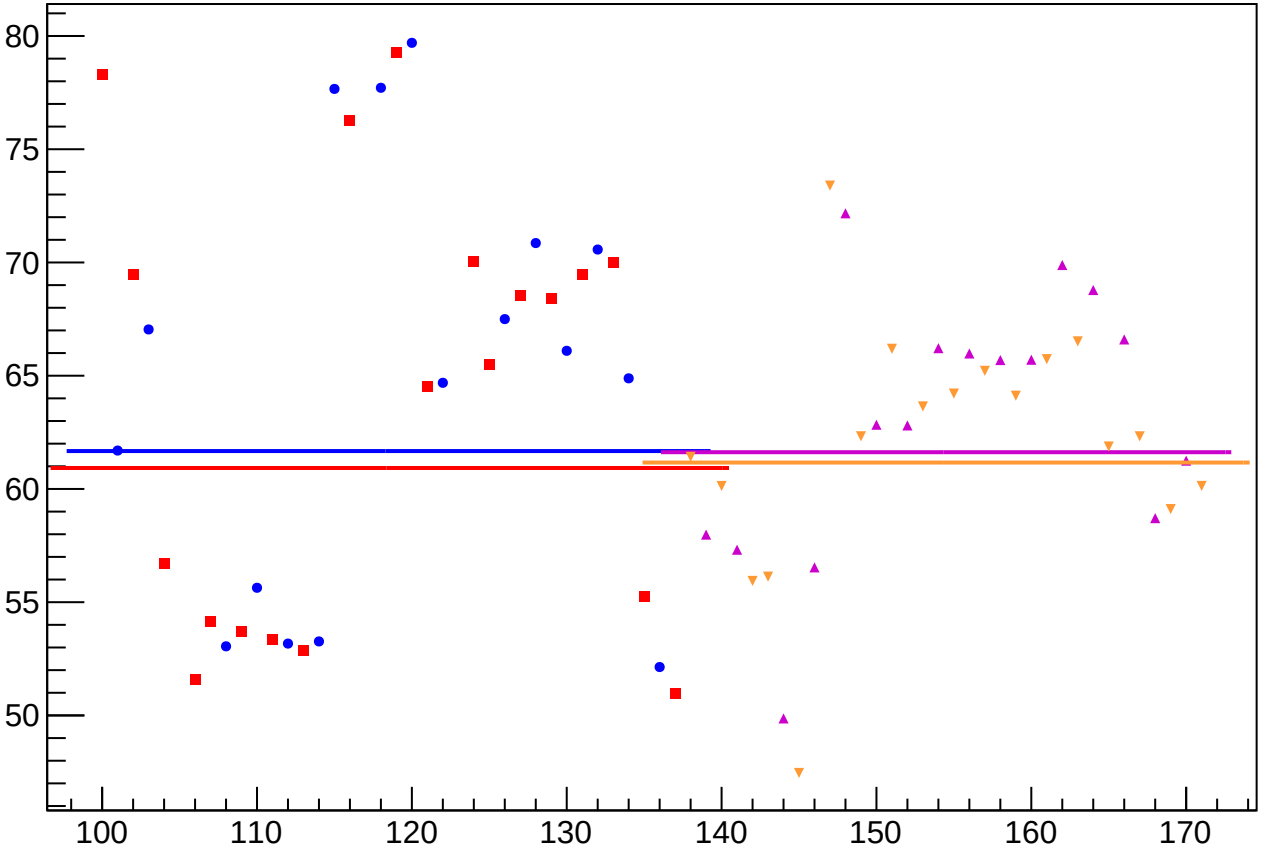
Left In: -7.858+/-17.059 χ^2/NDF:8.6/15

+ sign 28.426+/-13.329 χ^2/NDF: 41.2/33

All: 15.503+/-9.524 χ^2/NDF: 61.8/68

- sign 2.025+/-13.613 χ^2/NDF: 18.6/34

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

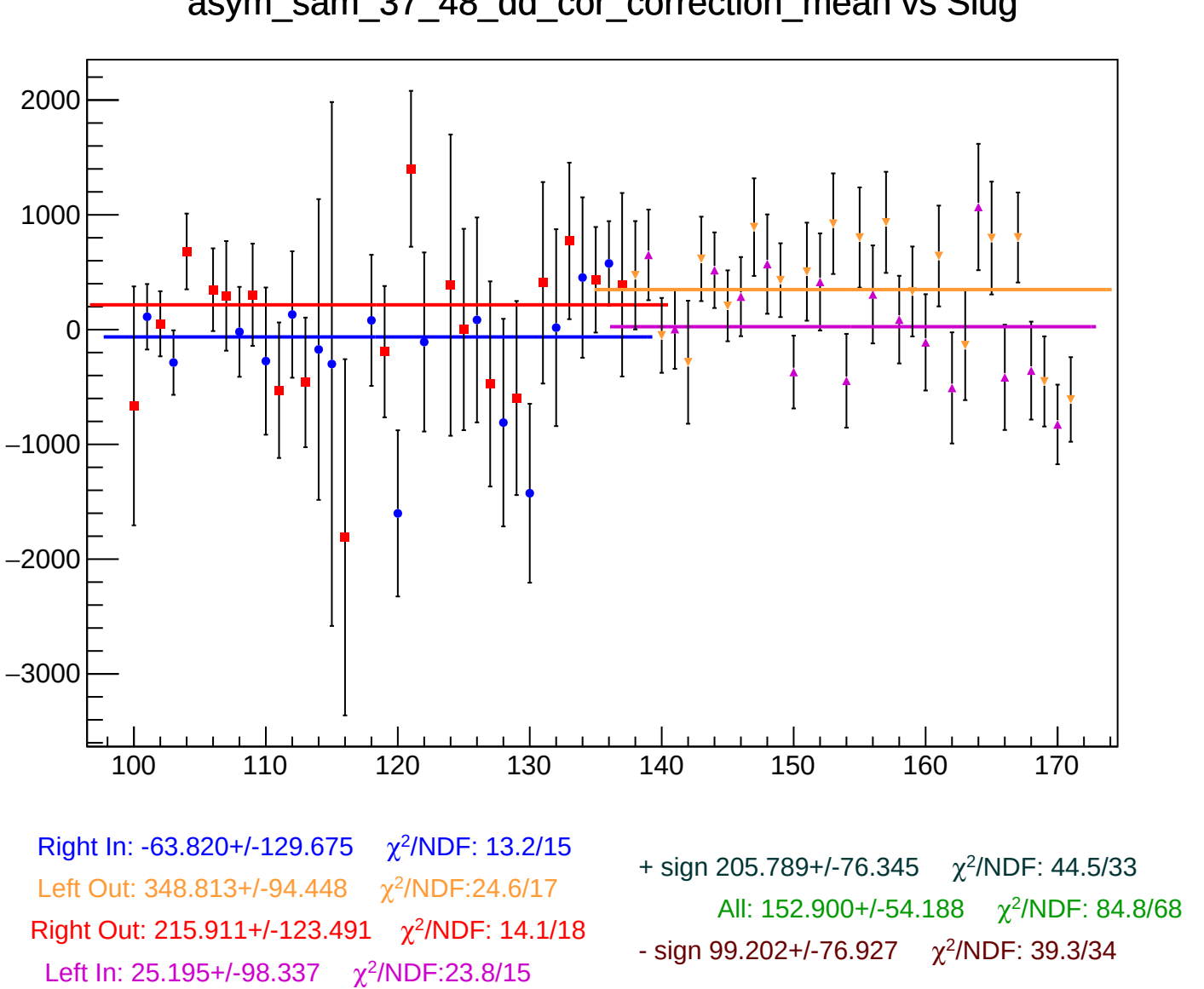
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

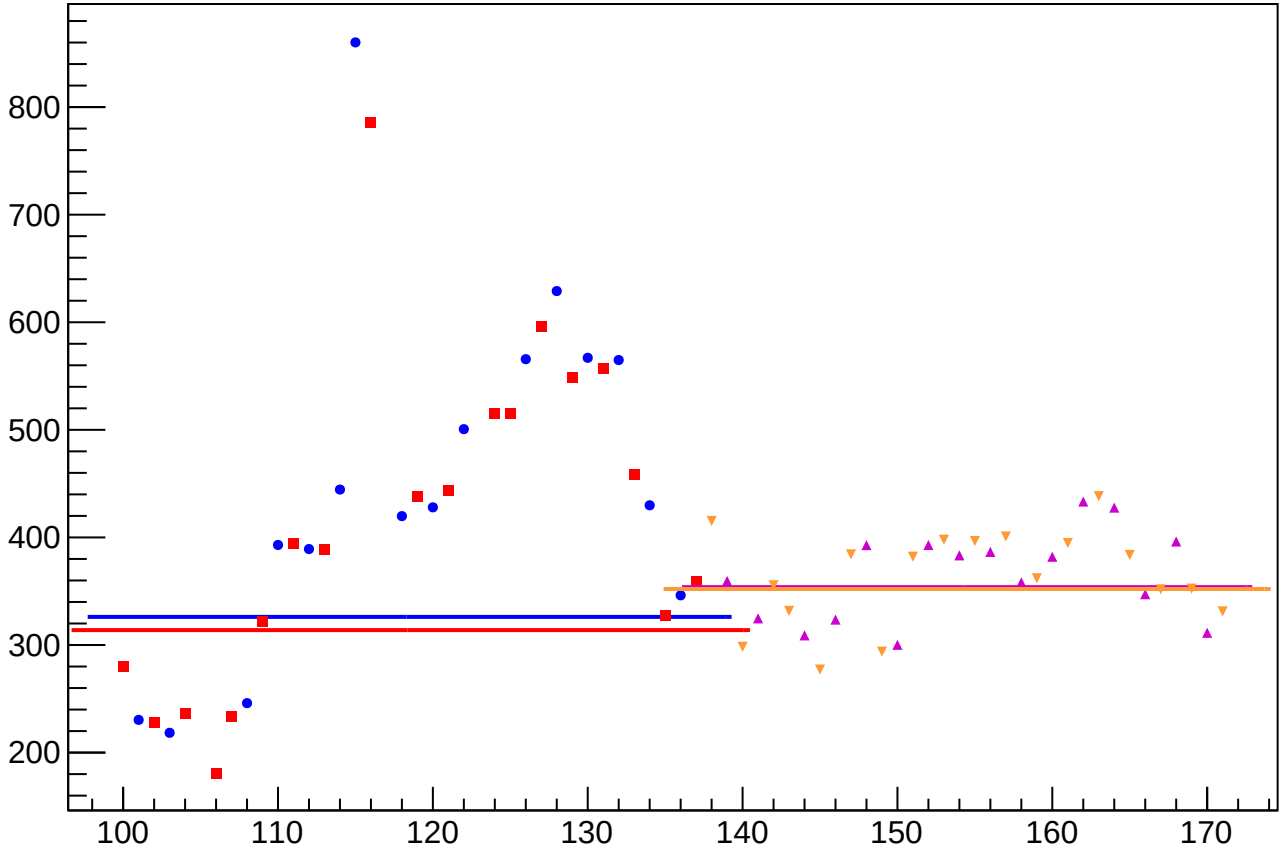
\+ sign 61.334+/-0.009 χ^2/NDF: 518370.8/33

All: 61.351+/-0.007 χ^2/NDF: 1049210.9/68

\- sign 61.369+/-0.010 χ^2/NDF: 530833.0/34


asym_sam_37_48_dd_cor_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 348.813+/-94.448 χ²/NDF:24.6/17
Right Out: 215.911+/-123.491 χ²/NDF: 14.1/18
Left In: 25.195+/-98.337 χ²/NDF:23.8/15
+ sign 205.789+/-76.345 χ²/NDF: 44.5/33
All: 152.900+/-54.188 χ²/NDF: 84.8/68
- sign 99.202+/-76.927 χ²/NDF: 39.3/34

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.073+/-0.067 χ^2/NDF:468248.2/17

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

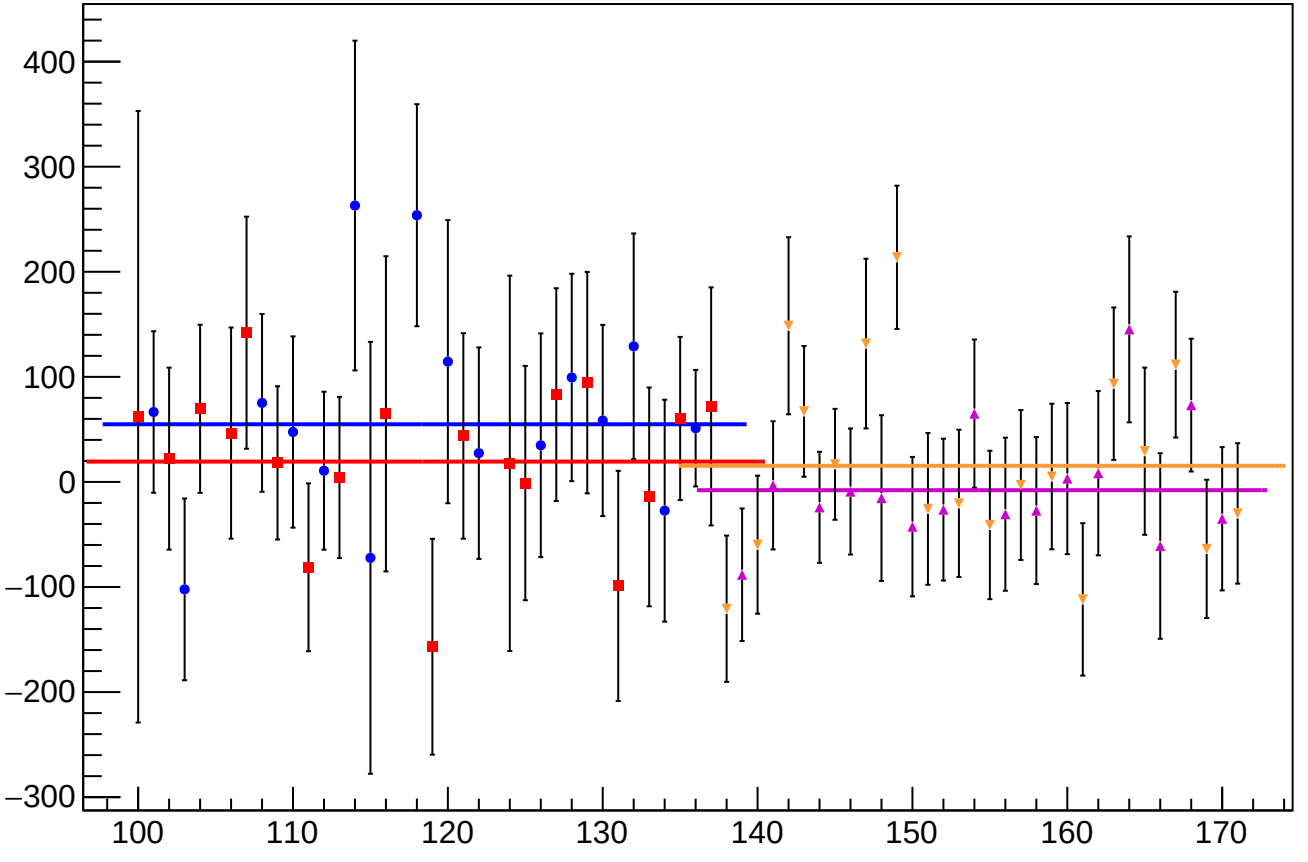
Left In: 353.814+/-0.070 χ^2/NDF:329094.0/15

+ sign 343.088+/-0.054 χ^2/NDF: 2254405.2/33

All: 340.717+/-0.038 χ^2/NDF: 4521273.2/68

- sign 338.310+/-0.054 χ^2/NDF: 2262981.5/34

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.357+/-16.292 χ^2/NDF:28.3/17

Right Out: 19.352+/-22.588 χ^2/NDF: 9.2/18

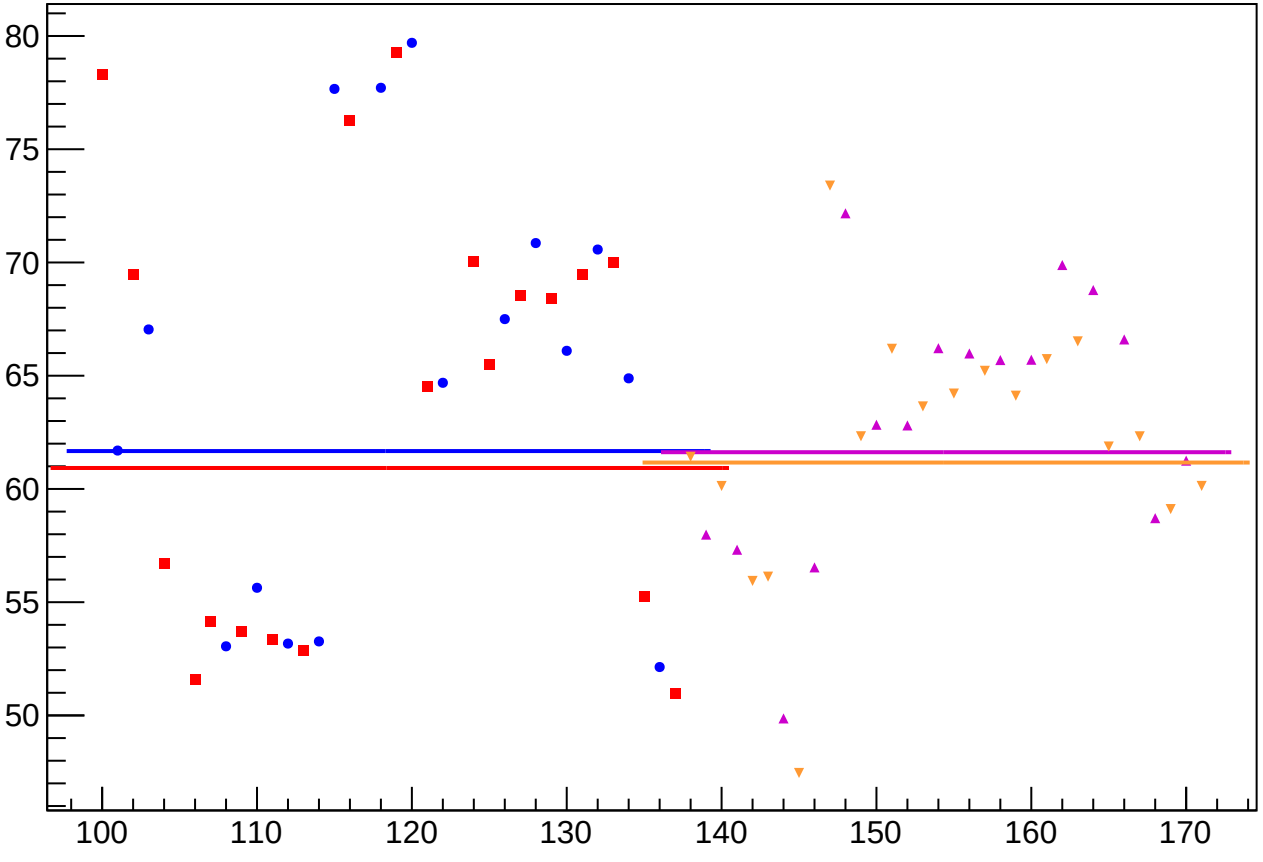
Left In: -7.858+/-17.059 χ^2/NDF:8.6/15

+ sign 28.426+/-13.329 χ^2/NDF: 41.2/33

All: 15.503+/-9.524 χ^2/NDF: 61.8/68

- sign 2.025+/-13.613 χ^2/NDF: 18.6/34

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

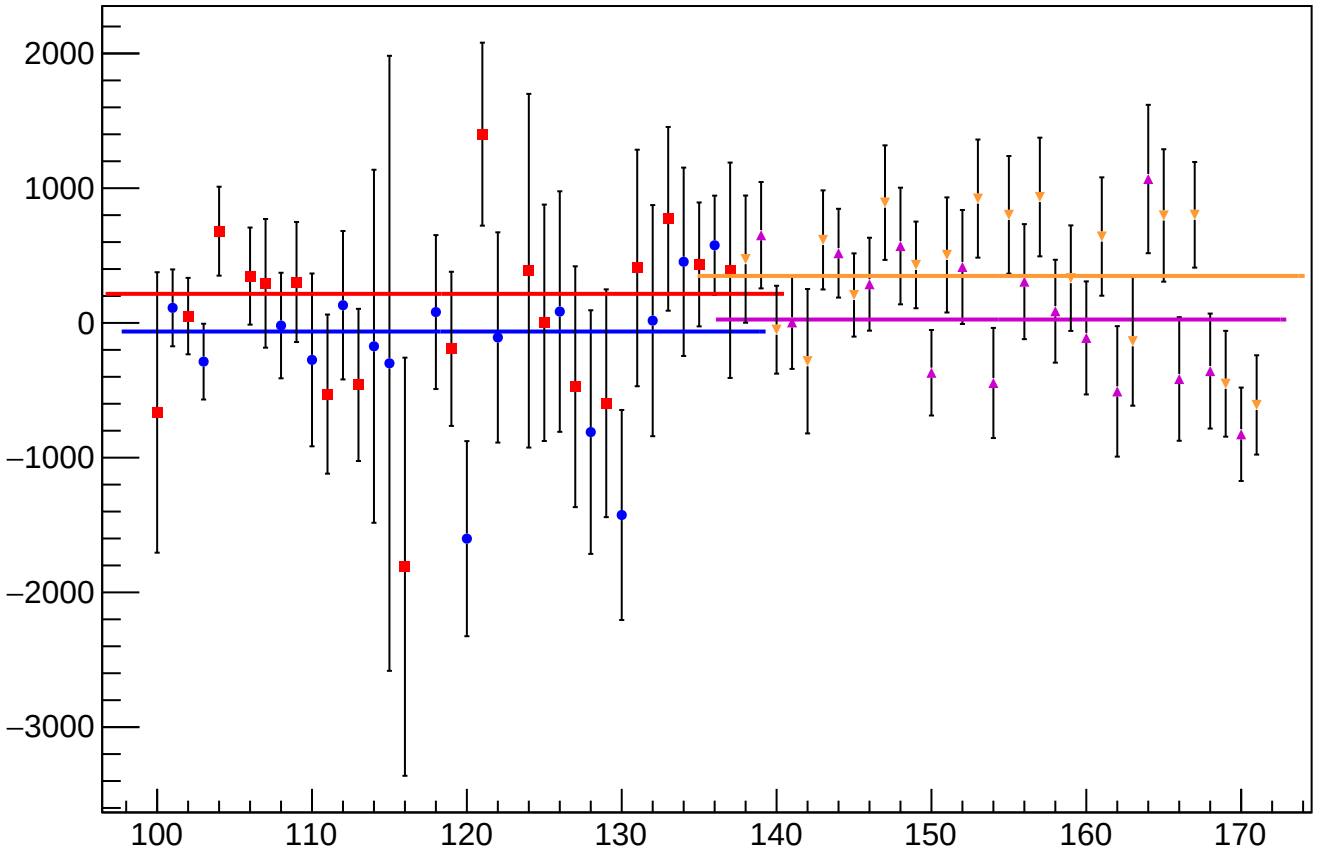
Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

\+ sign 61.334+/-0.009 χ^2/NDF: 518370.8/33

All: 61.351+/-0.007 χ^2/NDF: 1049210.9/68

\- sign 61.369+/-0.010 χ^2/NDF: 530833.0/34



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 348.813+/-94.448 χ^2/NDF:24.6/17

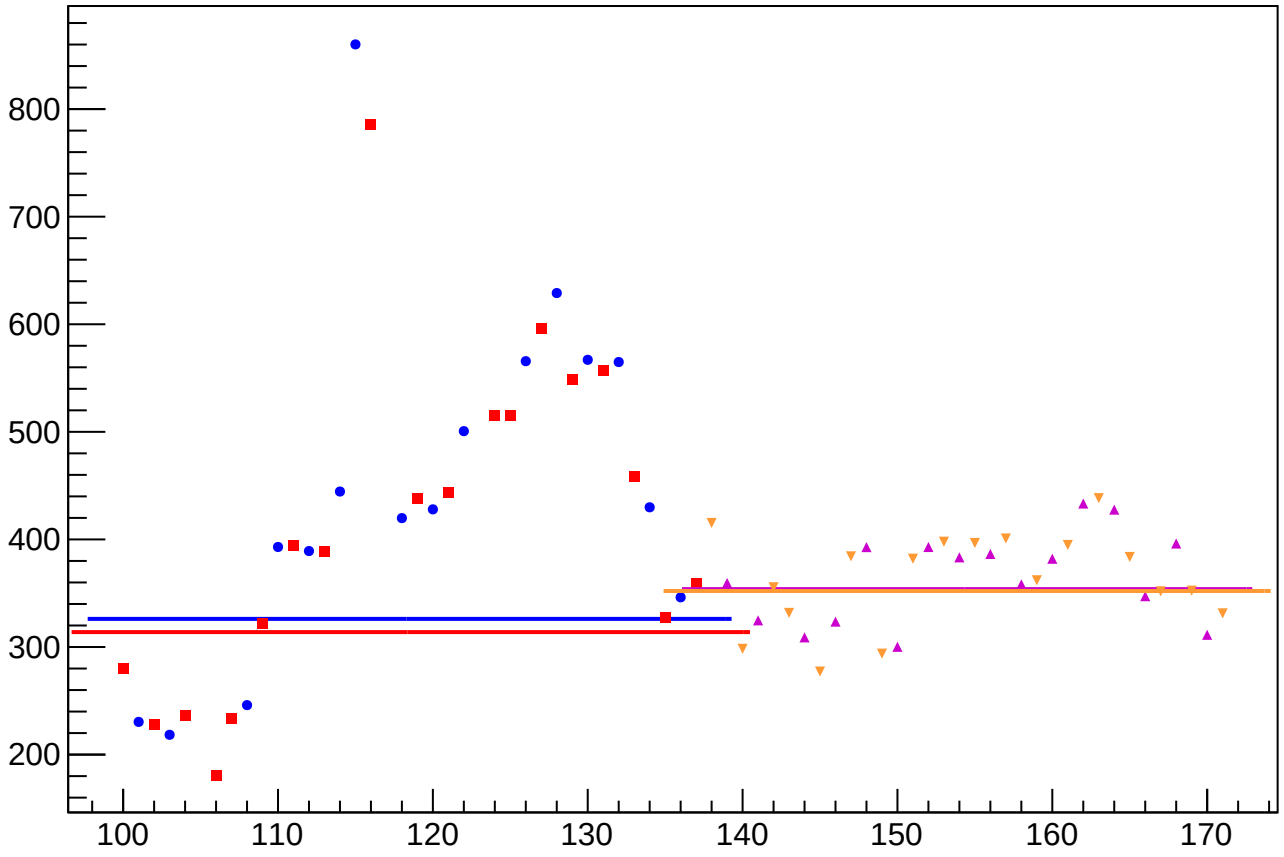
Right Out: 215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: 25.195+/-98.337 χ^2/NDF:23.8/15

+ sign 205.789+/-76.345 χ^2/NDF: 44.5/33

All: 152.900+/-54.188 χ^2/NDF: 84.8/68

- sign 99.202+/-76.927 χ^2/NDF: 39.3/34



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.073+/-0.067 χ^2/NDF:468248.2/17

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

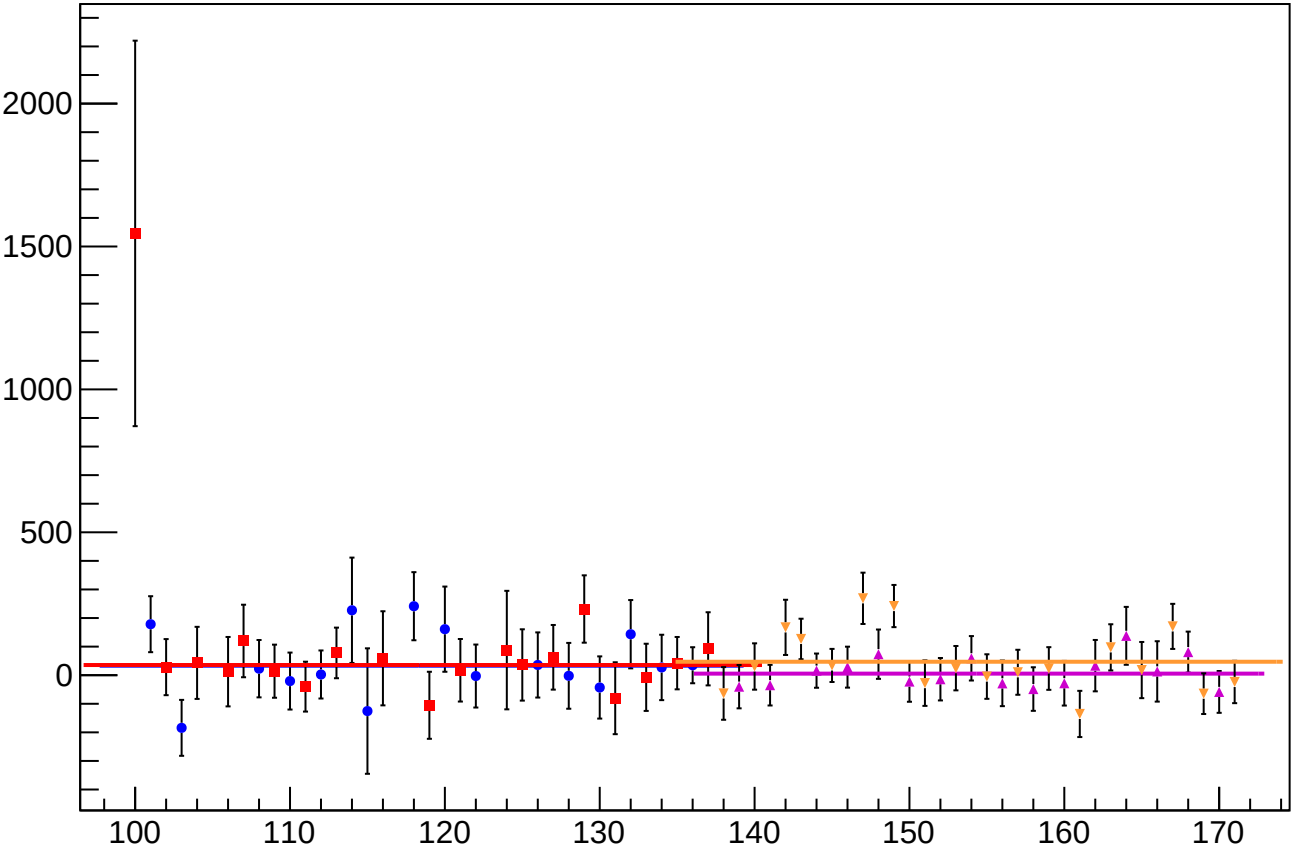
Left In: 353.814+/-0.070 χ^2/NDF:329094.0/15

+ sign 343.088+/-0.054 χ^2/NDF: 2254405.2/33

All: 340.717+/-0.038 χ^2/NDF: 4521273.2/68

- sign 338.310+/-0.054 χ^2/NDF: 2262981.5/34

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 47.079+/-18.376 χ^2/NDF:30.6/17

Right Out: 35.576+/-26.536 χ^2/NDF: 12.1/18

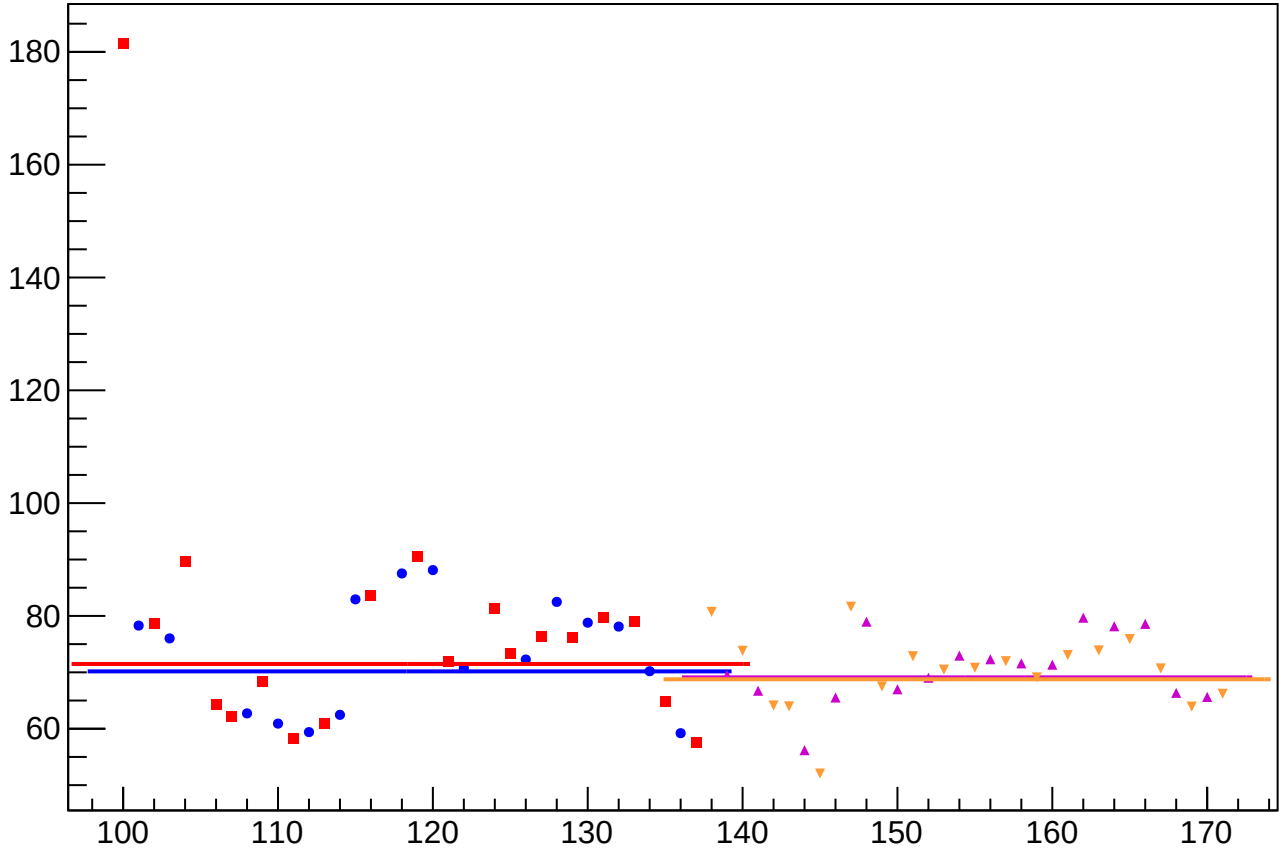
Left In: 5.481+/-19.203 χ^2/NDF:6.7/15

+ sign 42.617+/-15.085 χ^2/NDF: 45.3/33

All: 29.634+/-10.830 χ^2/NDF: 66.5/68

- sign 15.824+/-15.557 χ^2/NDF: 19.6/34

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.769+/-0.013 χ^2/NDF:311524.9/17

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

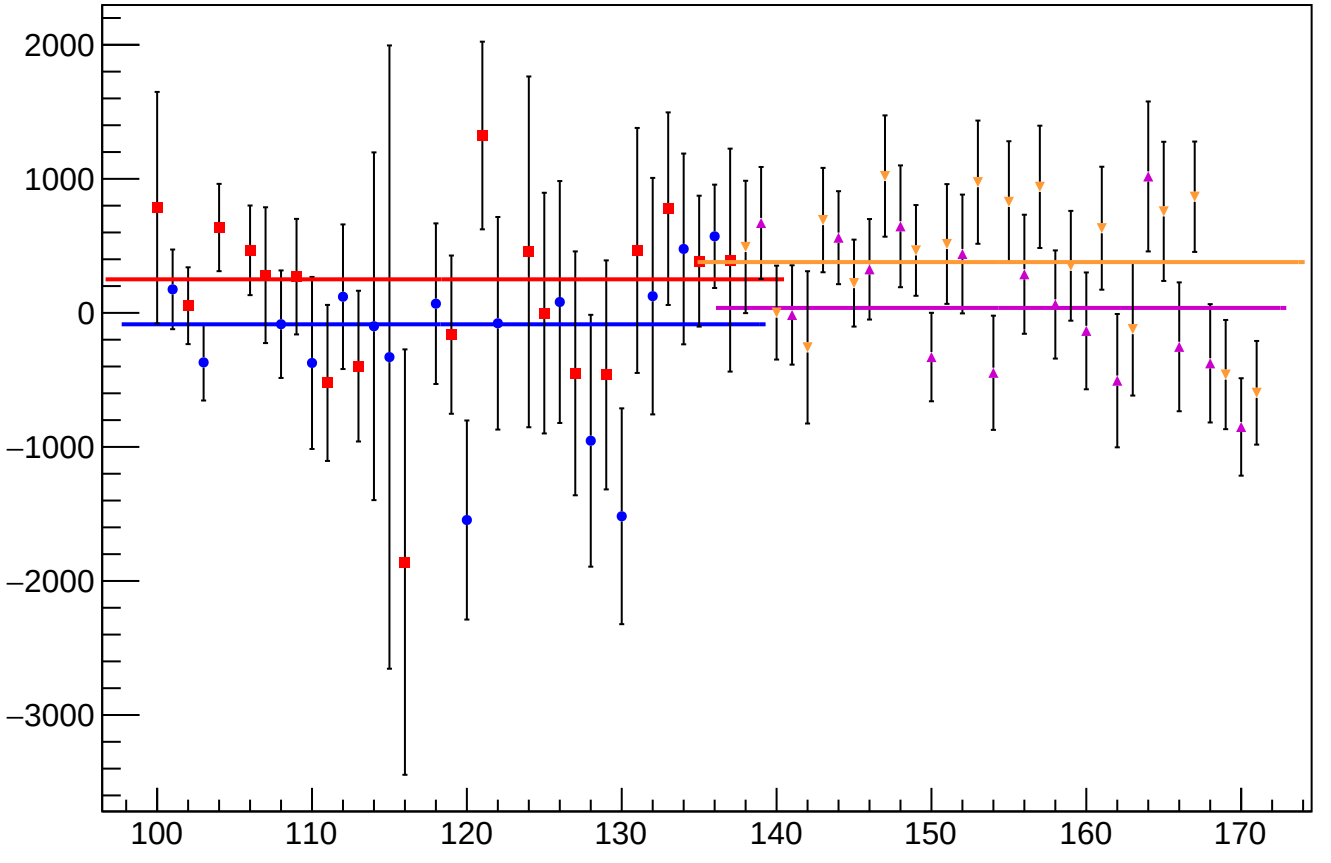
Left In: 69.108+/-0.014 χ^2/NDF:207319.7/15

+ sign 69.225+/-0.011 χ^2/NDF: 584554.4/33

All: 69.564+/-0.008 χ^2/NDF: 1130191.7/68

- sign 69.924+/-0.011 χ^2/NDF: 543554.2/34

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.961+/-99.208 χ^2/NDF:23.6/17

Right Out: 250.440+/-123.302 χ^2/NDF: 12.5/18

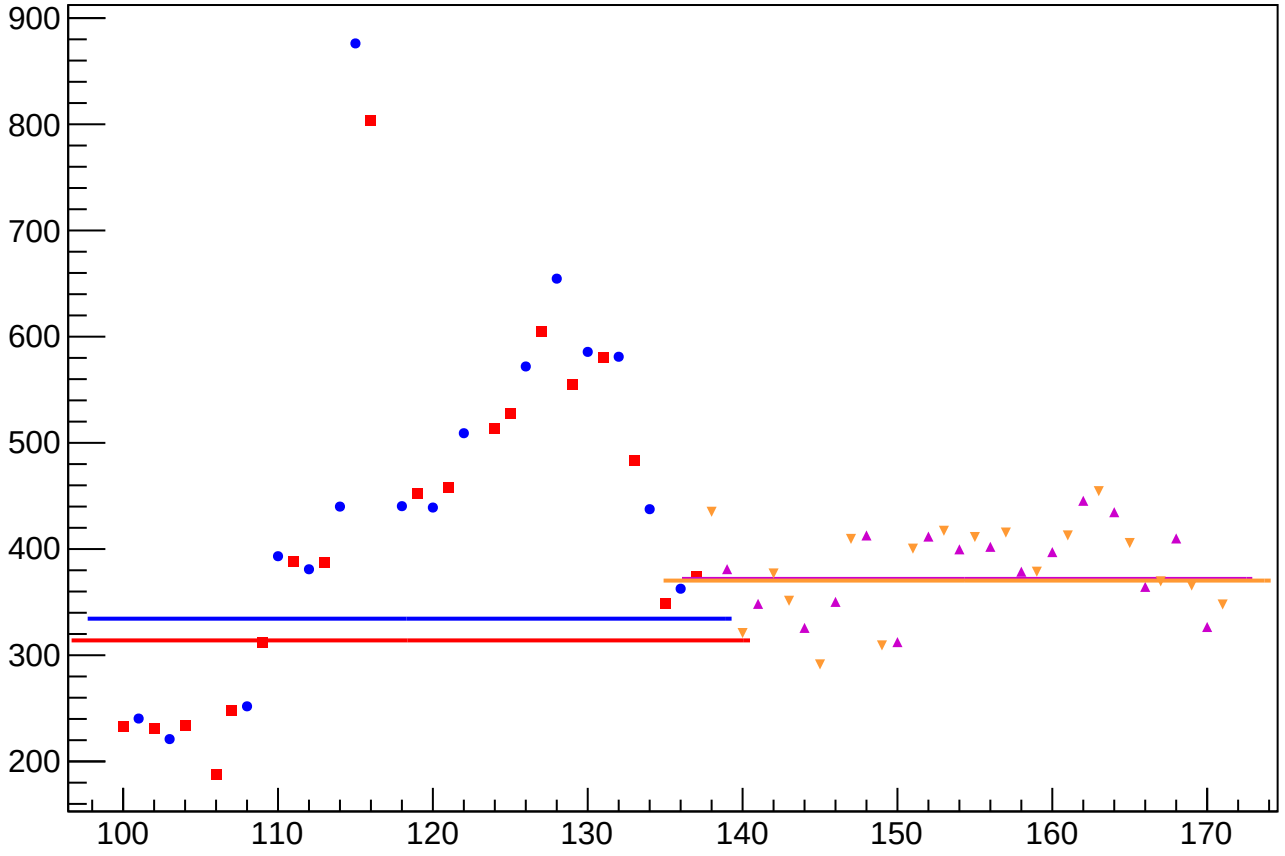
Left In: 36.971+/-103.254 χ^2/NDF:22.3/15

+ sign 212.836+/-79.495 χ^2/NDF: 45.1/33

All: 168.715+/-56.094 χ^2/NDF: 82.2/68

- sign 124.962+/-79.163 χ^2/NDF: 36.5/34

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 370.303+/-0.070 χ^2/NDF:435823.5/17

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

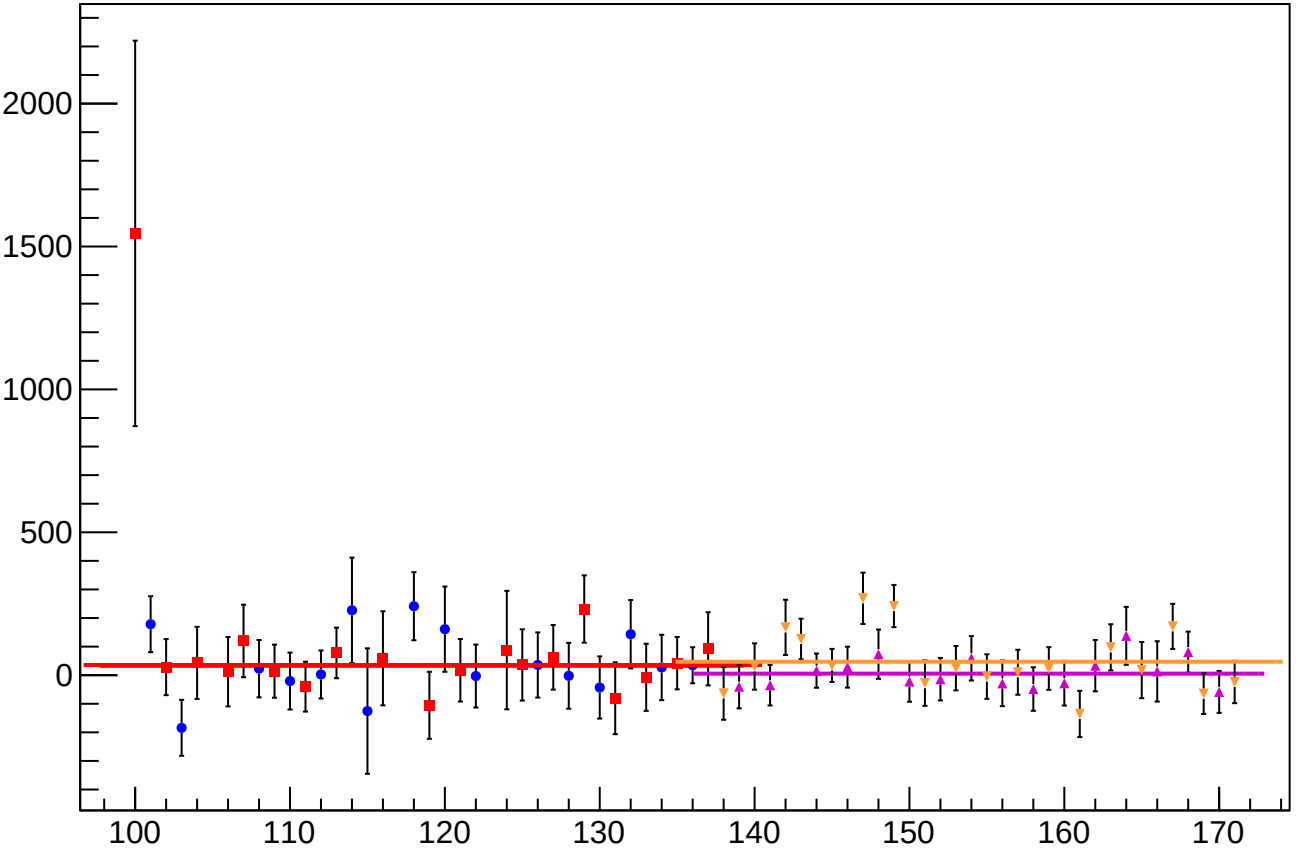
Left In: 371.880+/-0.073 χ^2/NDF:288914.9/15

+ sign 357.464+/-0.056 χ^2/NDF: 2260027.1/33

All: 352.717+/-0.040 χ^2/NDF: 4727058.3/68

- sign 348.010+/-0.056 χ^2/NDF: 2452829.4/34

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 47.078+/-18.376 χ^2/NDF:30.6/17

Right Out: 35.577+/-26.536 χ^2/NDF: 12.1/18

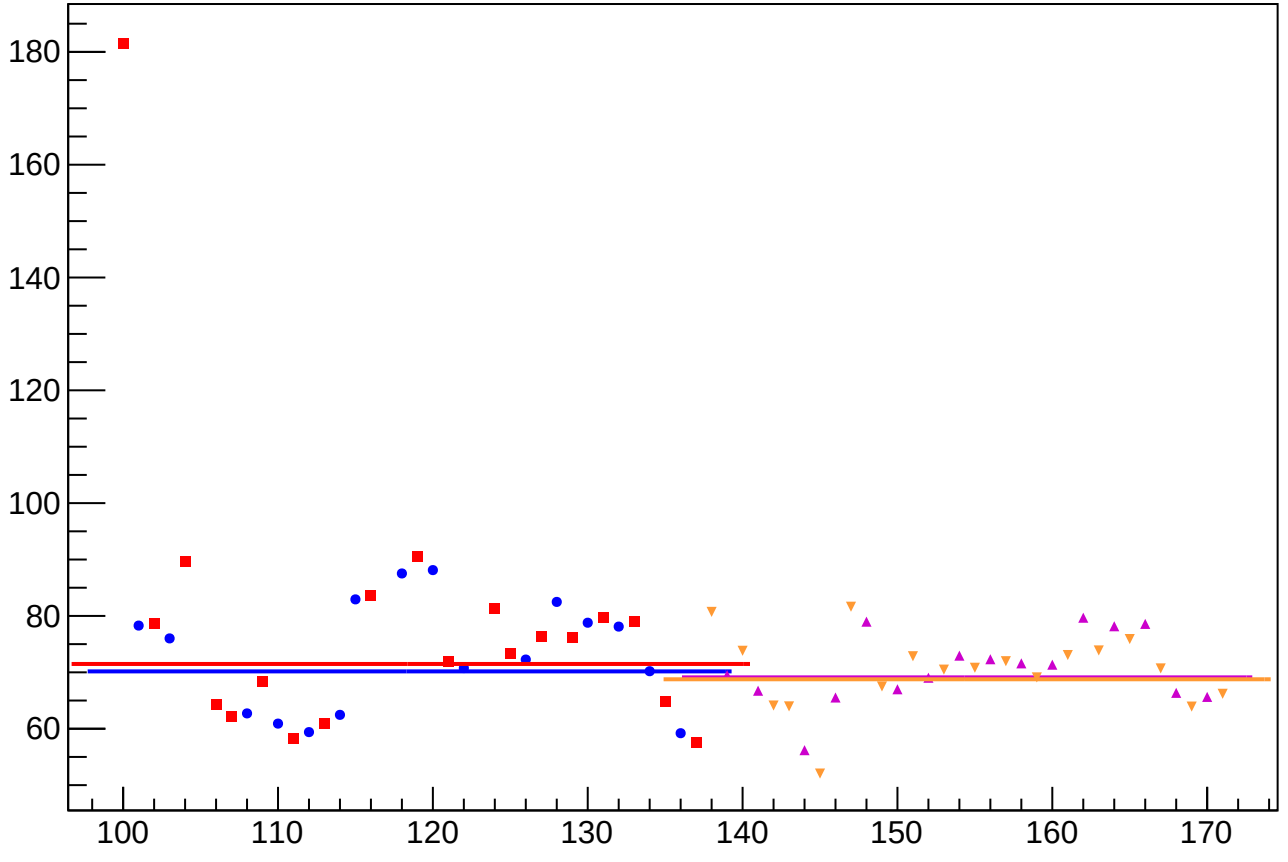
Left In: 5.481+/-19.203 χ^2/NDF:6.7/15

+ sign 42.616+/-15.085 χ^2/NDF: 45.3/33

All: 29.633+/-10.830 χ^2/NDF: 66.5/68

- sign 15.825+/-15.557 χ^2/NDF: 19.6/34

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.768+/-0.013 χ^2/NDF:311531.4/17

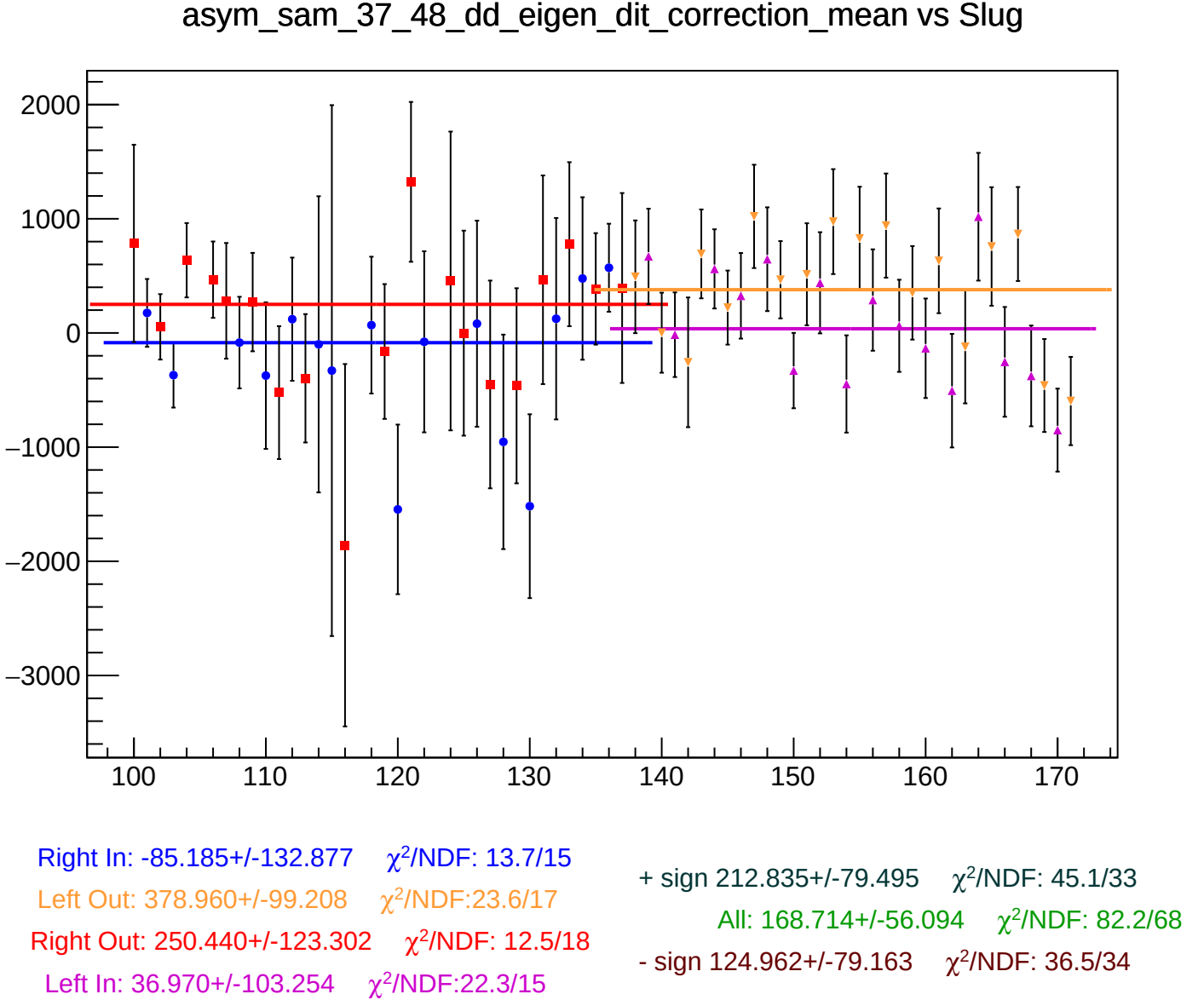
Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

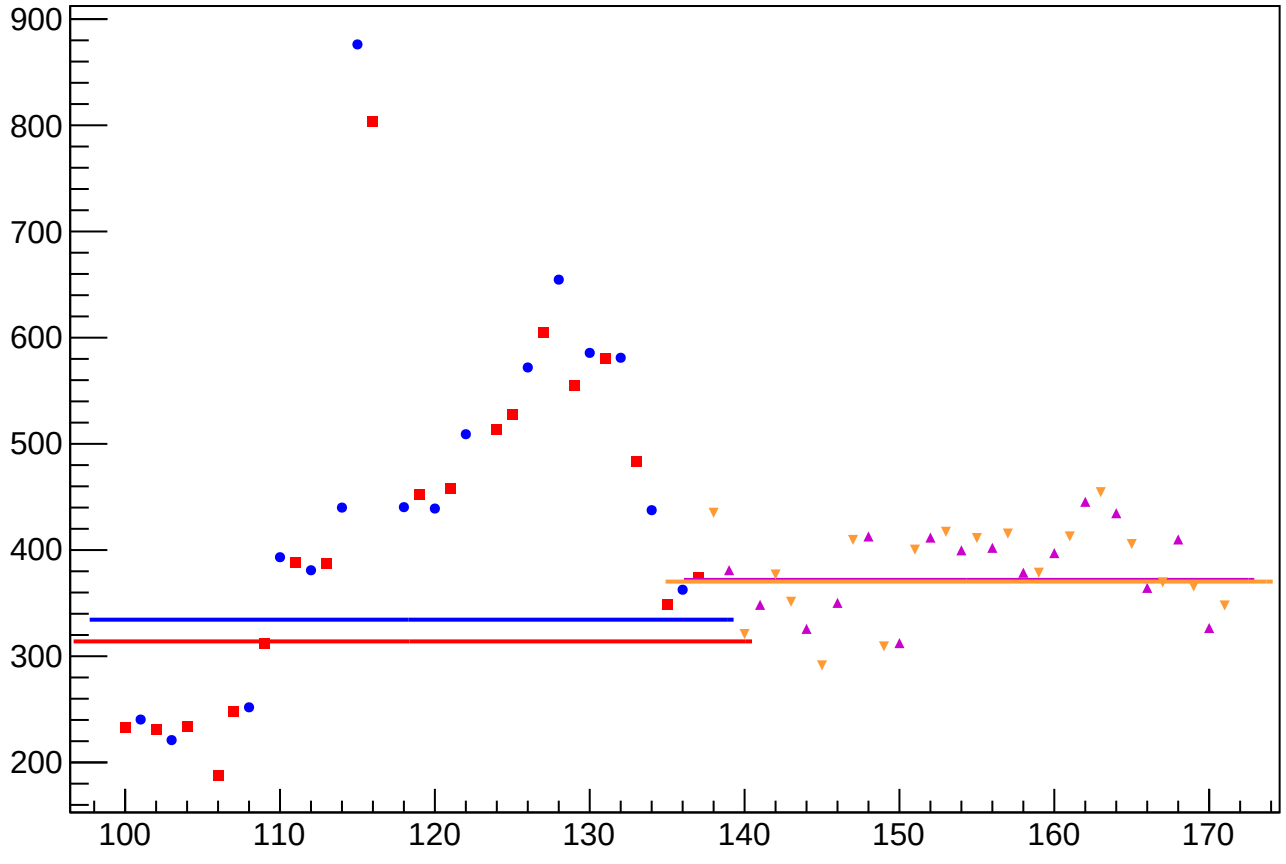
Left In: 69.107+/-0.014 χ^2/NDF:207322.6/15

+ sign 69.225+/-0.011 χ^2/NDF: 584564.7/33

All: 69.564+/-0.008 χ^2/NDF: 1130212.4/68

- sign 69.924+/-0.011 χ^2/NDF: 543564.7/34


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -85.185+/-132.877 χ²/NDF: 13.7/15
Left Out: 378.960+/-99.208 χ²/NDF:23.6/17
Right Out: 250.440+/-123.302 χ²/NDF: 12.5/18
Left In: 36.970+/-103.254 χ²/NDF:22.3/15
+ sign 212.835+/-79.495 χ²/NDF: 45.1/33
All: 168.714+/-56.094 χ²/NDF: 82.2/68
- sign 124.962+/-79.163 χ²/NDF: 36.5/34



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 370.303+/-0.070 χ^2/NDF:435827.6/17

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

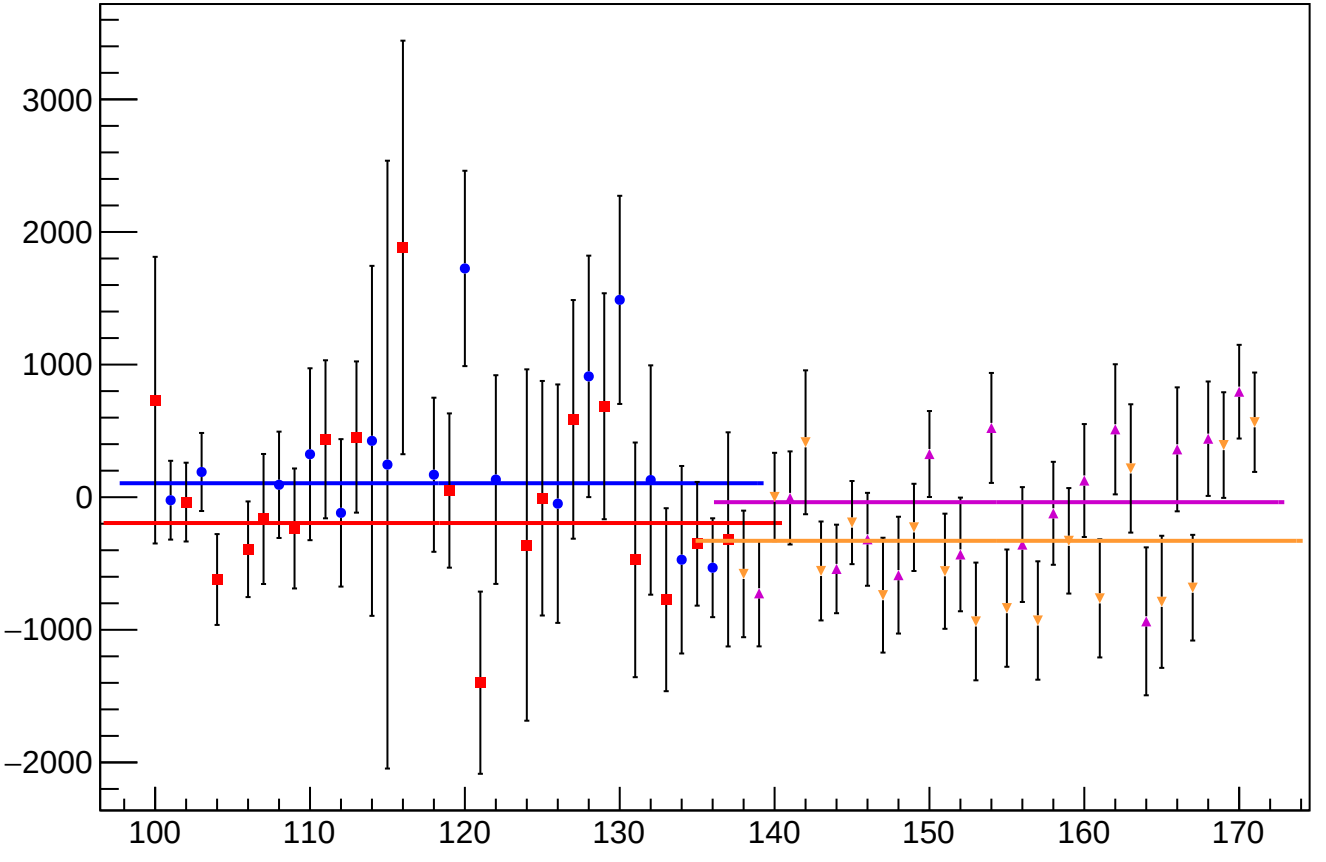
Left In: 371.880+/-0.073 χ^2/NDF:288915.7/15

+ sign 357.464+/-0.056 χ^2/NDF: 2260027.9/33

All: 352.717+/-0.040 χ^2/NDF: 4727057.0/68

- sign 348.010+/-0.056 χ^2/NDF: 2452827.1/34

asym_sam_37_48_dd_mean vs Slug



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -328.906+/-95.935 χ^2/NDF:22.8/17

Right Out: -194.712+/-126.198 χ^2/NDF: 13.1/18

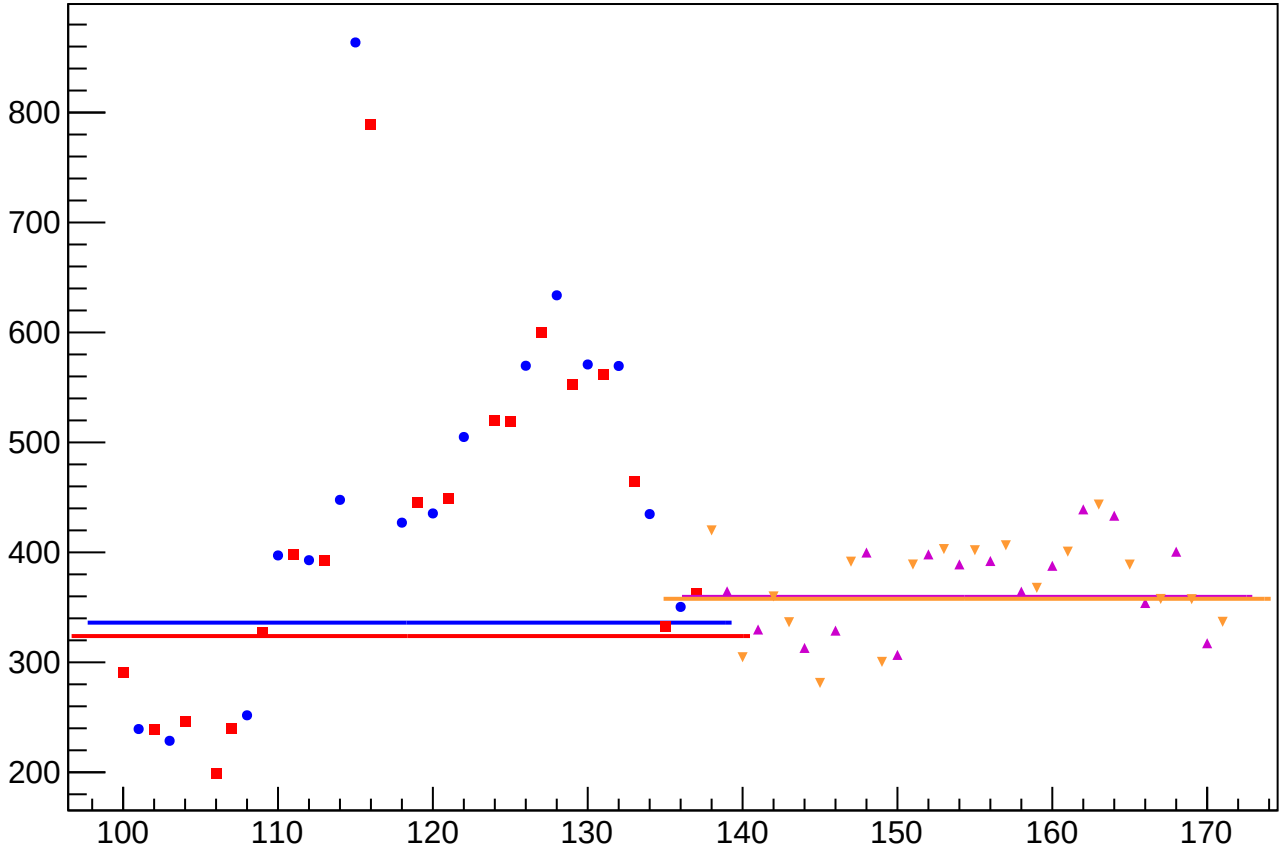
Left In: -37.519+/-99.891 χ^2/NDF:23.5/15

+ sign -180.343+/-77.815 χ^2/NDF: 42.8/33

All: -139.474+/-55.203 χ^2/NDF: 80.9/68

- sign -98.069+/-78.324 χ^2/NDF: 37.6/34

asym_sam_37_48_dd_rms vs Slug



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 357.776+/-0.068 χ^2/NDF:455077.8/17

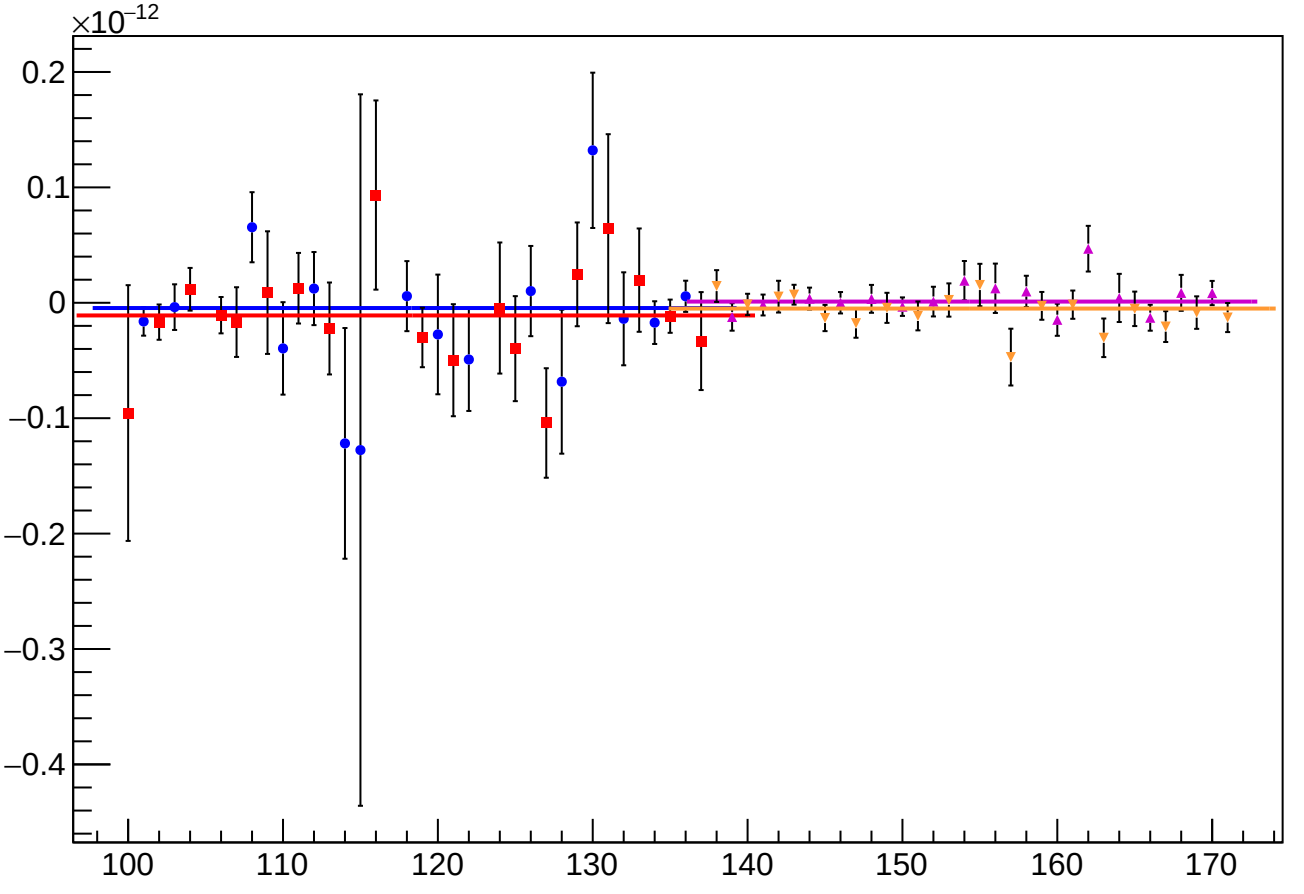
Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 359.527+/-0.071 χ^2/NDF:319795.3/15

+ sign 350.358+/-0.055 χ^2/NDF: 2109027.6/33

All: 348.093+/-0.039 χ^2/NDF: 4195732.8/68

- sign 345.798+/-0.055 χ^2/NDF: 2083292.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/18

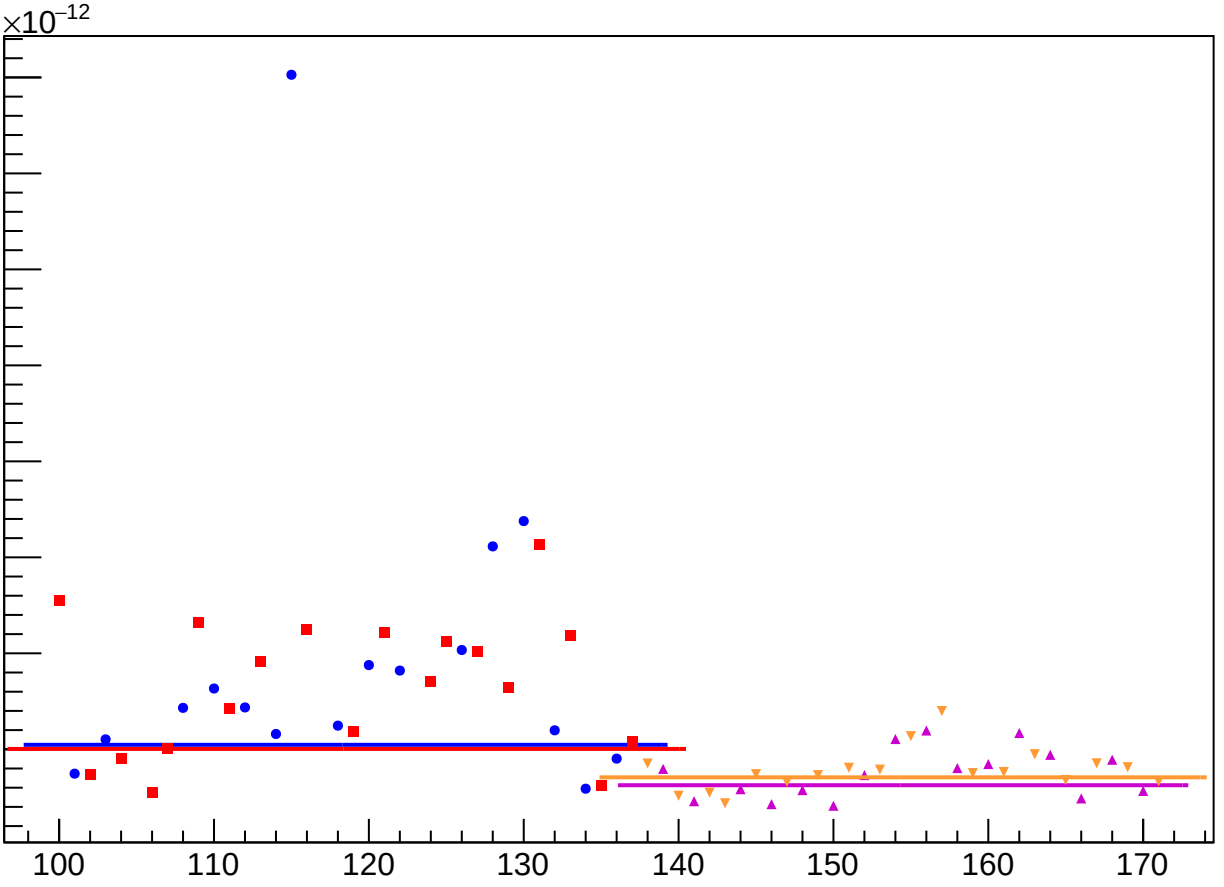
Left In: 0.000+/-0.000 χ^2/NDF:12.6/15

+ sign -0.000+/-0.000 χ^2/NDF: 31.6/33

All: -0.000+/-0.000 χ^2/NDF: 60.5/68

- sign -0.000+/-0.000 χ^2/NDF: 27.8/34

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:710050.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

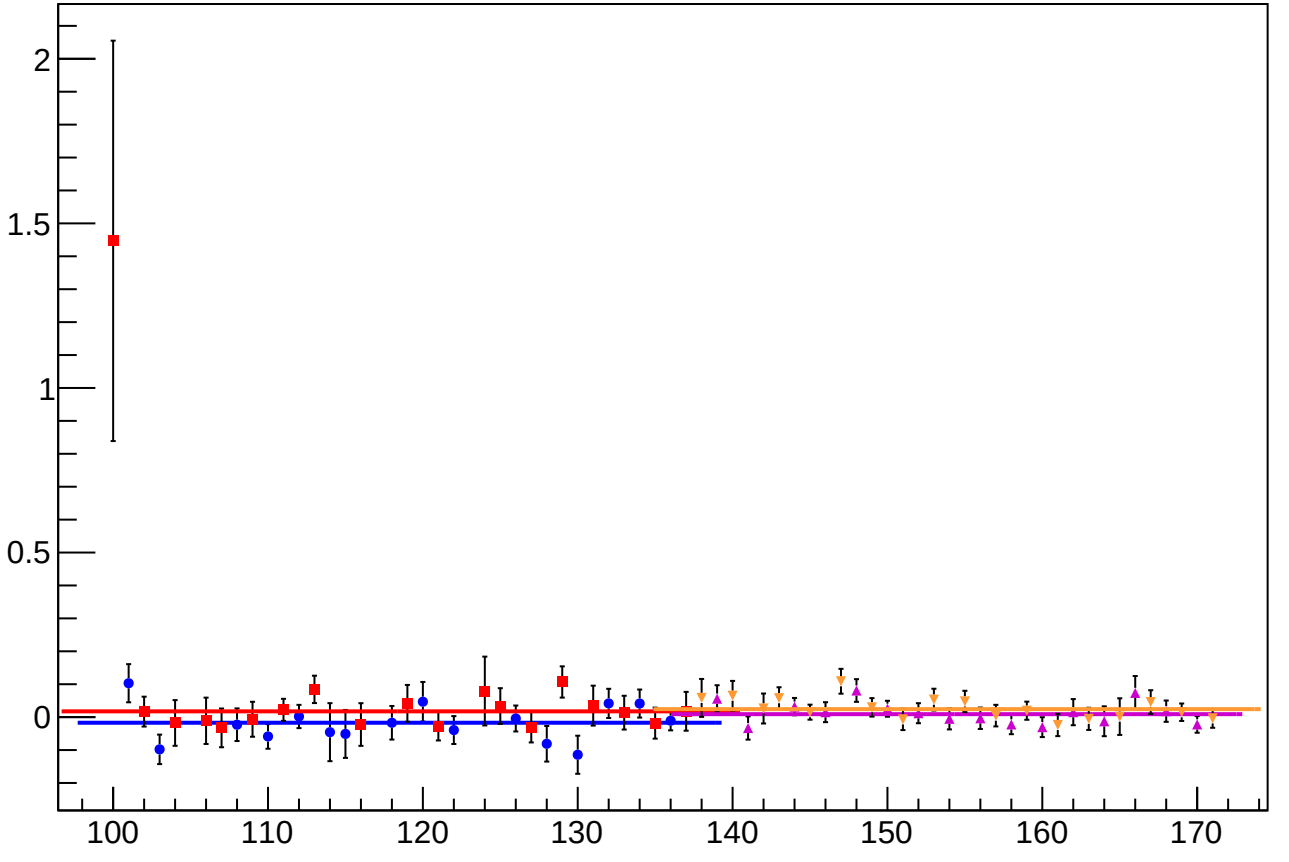
Left In: 0.000+/-0.000 χ^2/NDF:1040533.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 2347123.8/33

All: 0.000+/-0.000 χ^2/NDF: 5453247.1/68

- sign 0.000+/-0.000 χ^2/NDF: 3028097.4/34

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: 0.024+/-0.008 χ^2/NDF:14.4/17

Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

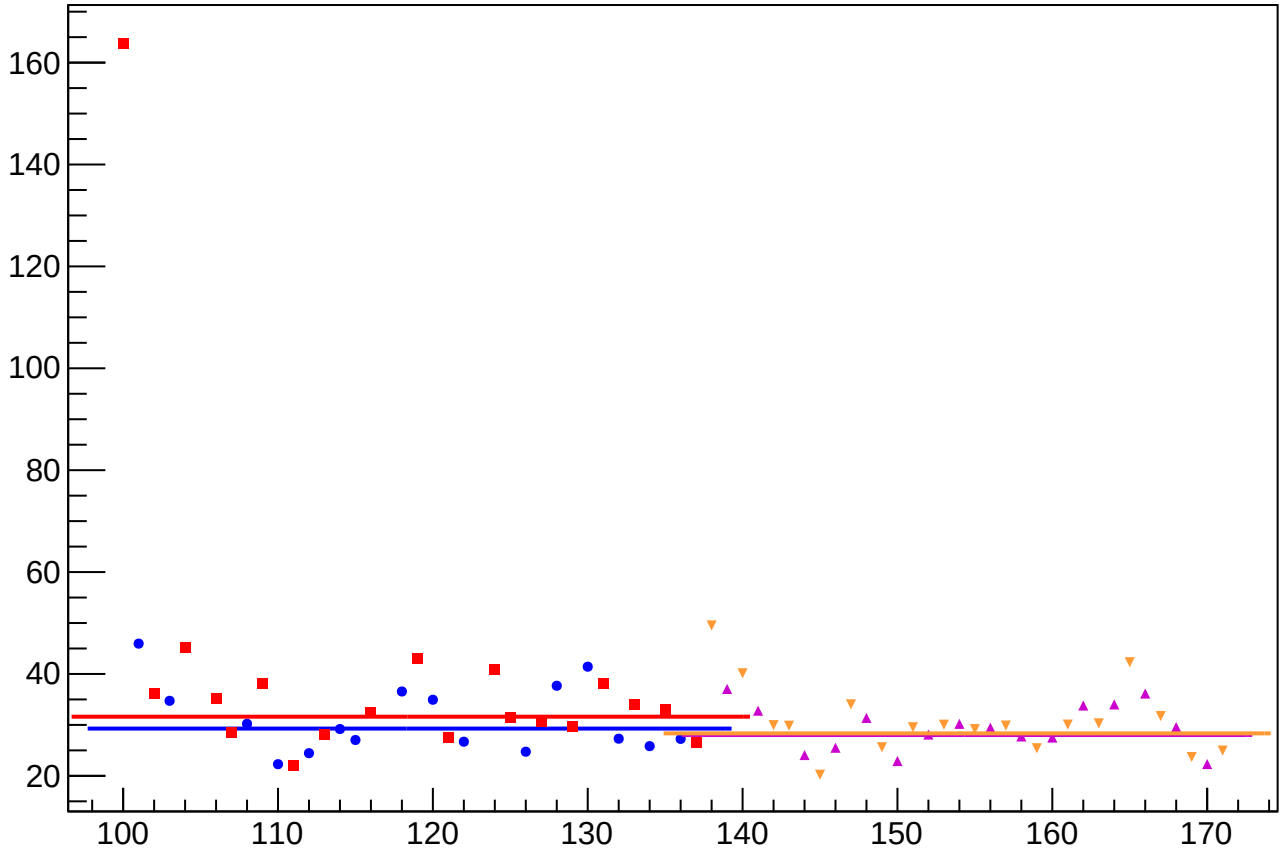
Left In: 0.009+/-0.008 χ^2/NDF:15.0/15

+ sign 0.011+/-0.006 χ^2/NDF: 42.2/33

All: 0.011+/-0.005 χ^2/NDF: 74.4/68

- sign 0.012+/-0.007 χ^2/NDF: 32.1/34

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: 28.339+/-0.005 χ^2/NDF:1012651.2/17

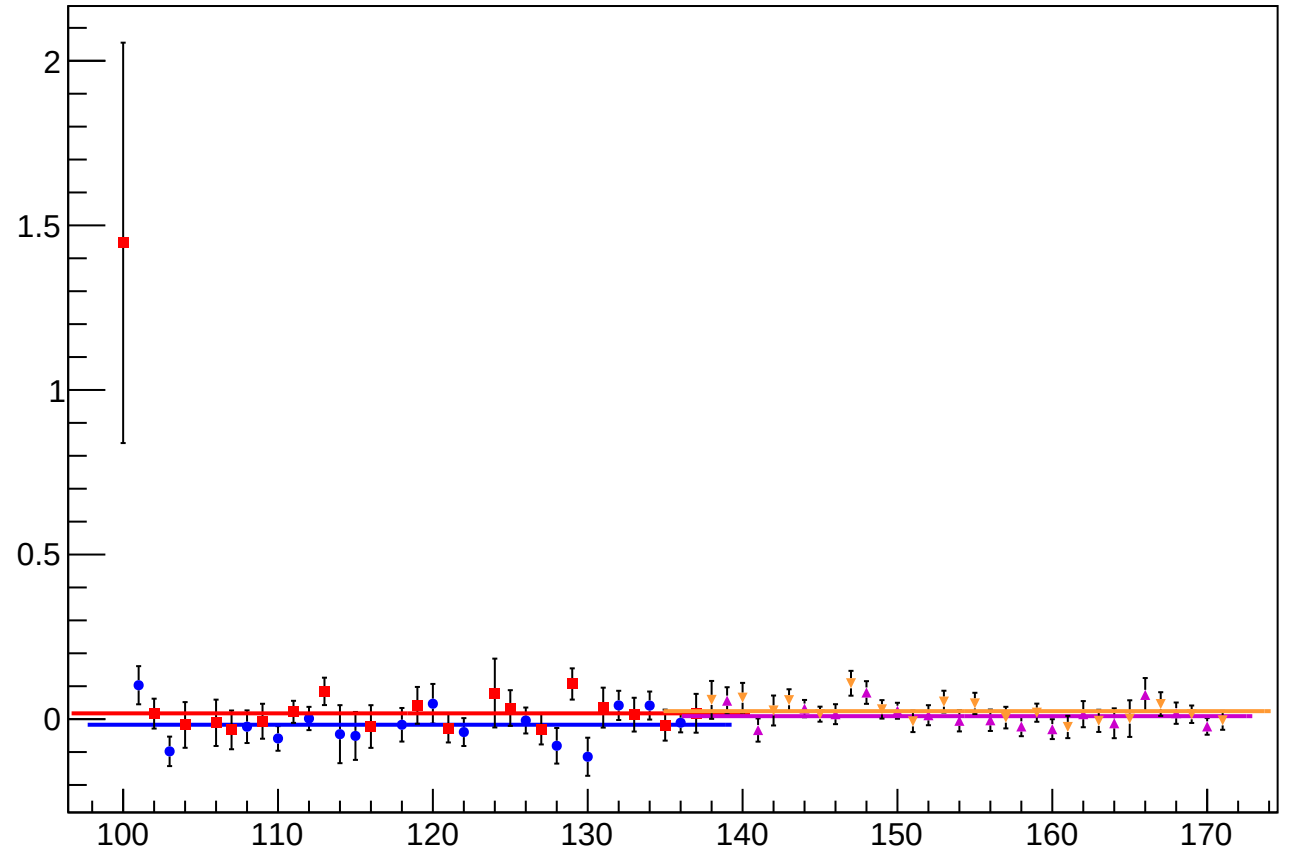
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.016+/-0.006 χ^2/NDF:548902.8/15

+ sign 28.639+/-0.005 χ^2/NDF: 1582640.9/33

All: 28.863+/-0.003 χ^2/NDF: 2832099.4/68

- sign 29.105+/-0.005 χ^2/NDF: 1244352.3/34



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

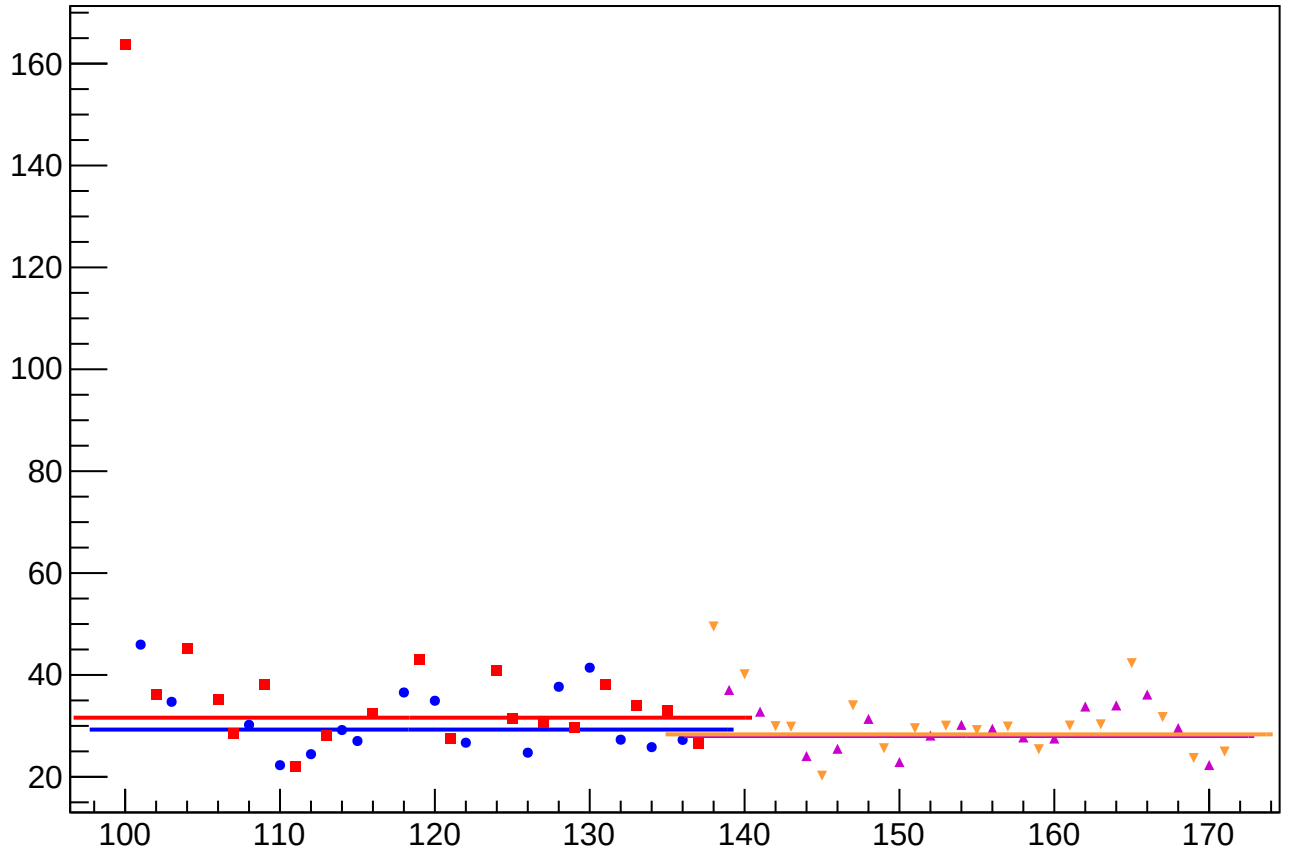
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.009+/-0.008 χ^2/NDF:15.0/15

+ sign 0.011+/-0.006 χ^2/NDF: 42.2/33

All: 0.011+/-0.005 χ^2/NDF: 74.4/68

- sign 0.012+/-0.007 χ^2/NDF: 32.1/34



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012651.2/17

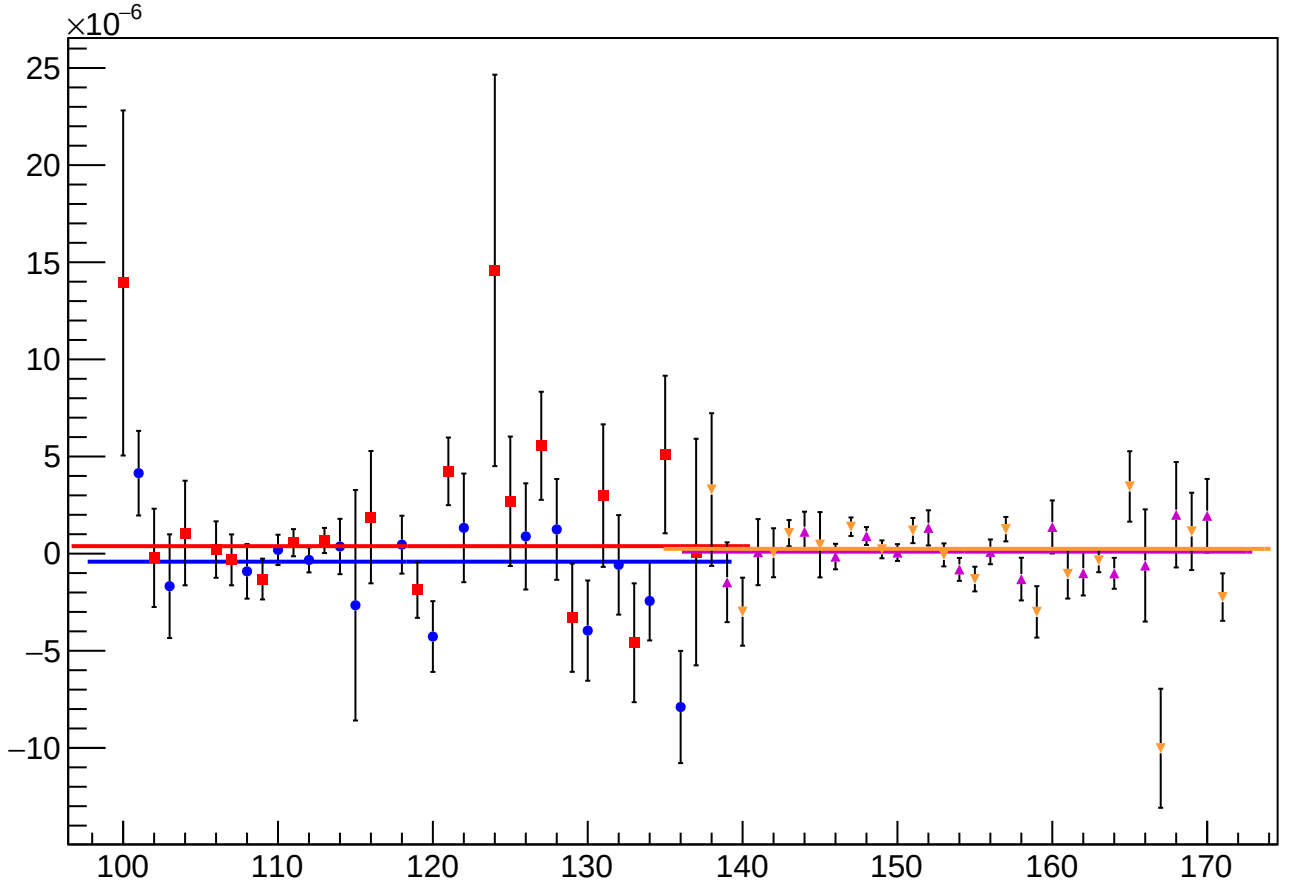
Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.016+/-0.006 χ^2/NDF:548902.8/15

+ sign 28.639+/-0.005 χ^2/NDF: 1582640.9/33

All: 28.863+/-0.003 χ^2/NDF: 2832099.4/68

- sign 29.105+/-0.005 χ^2/NDF: 1244352.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.9/17

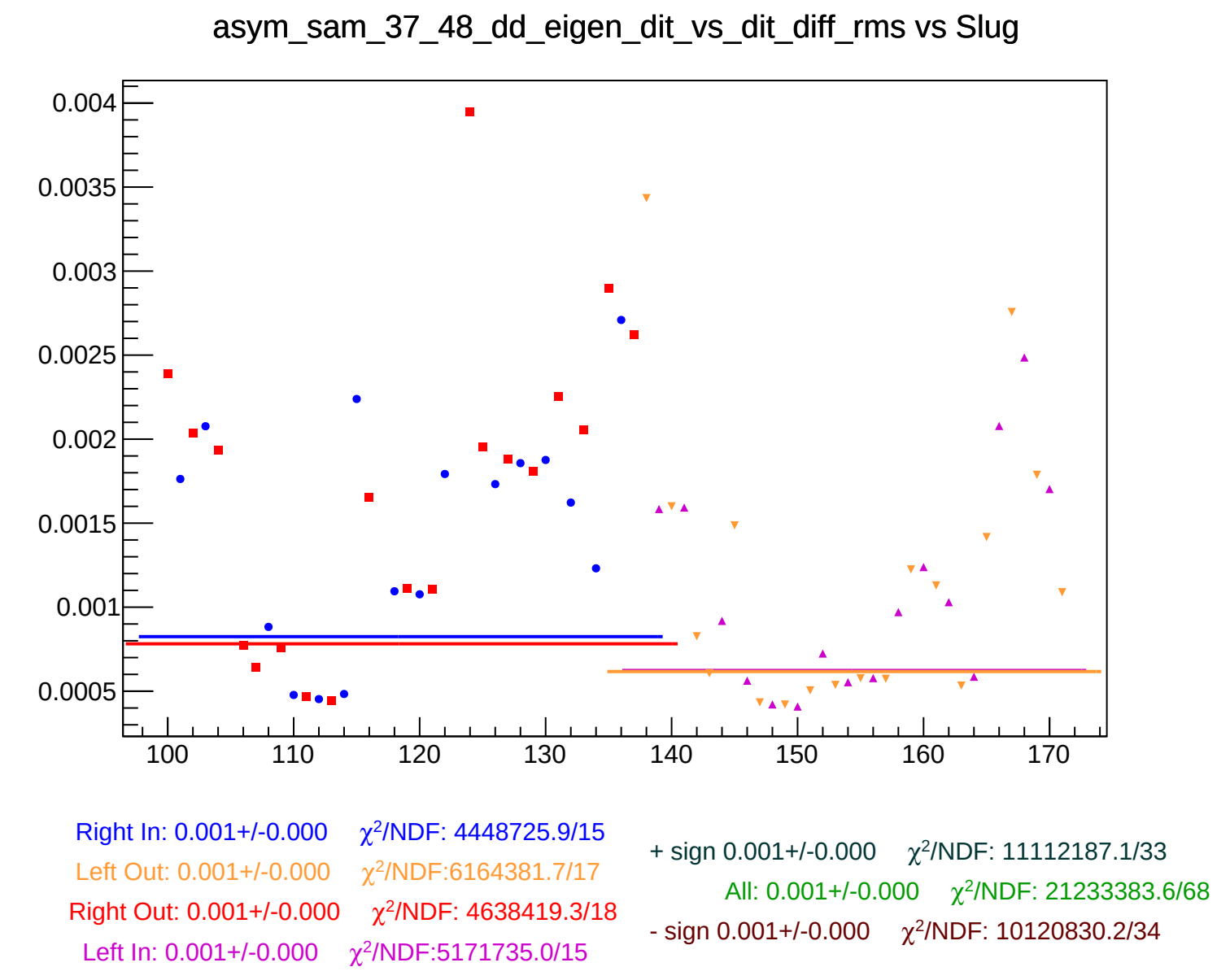
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:15.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 72.7/33

All: 0.000+/-0.000 χ^2/NDF: 114.5/68

- sign 0.000+/-0.000 χ^2/NDF: 41.7/34


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.004
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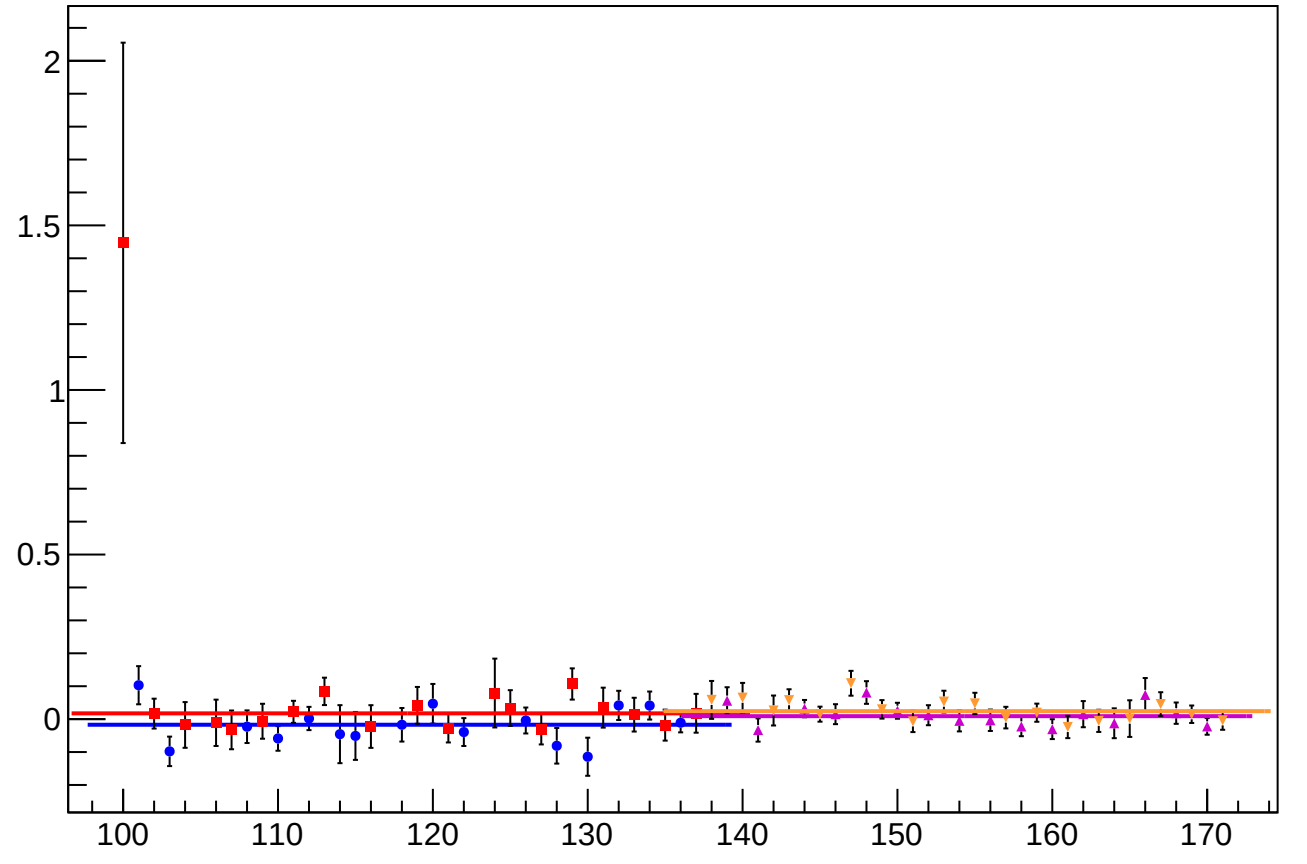
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6164381.7/17
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:5171735.0/15
+ sign 0.001+/-0.000 χ²/NDF: 11112187.1/33
All: 0.001+/-0.000 χ²/NDF: 21233383.6/68
- sign 0.001+/-0.000 χ²/NDF: 10120830.2/34



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

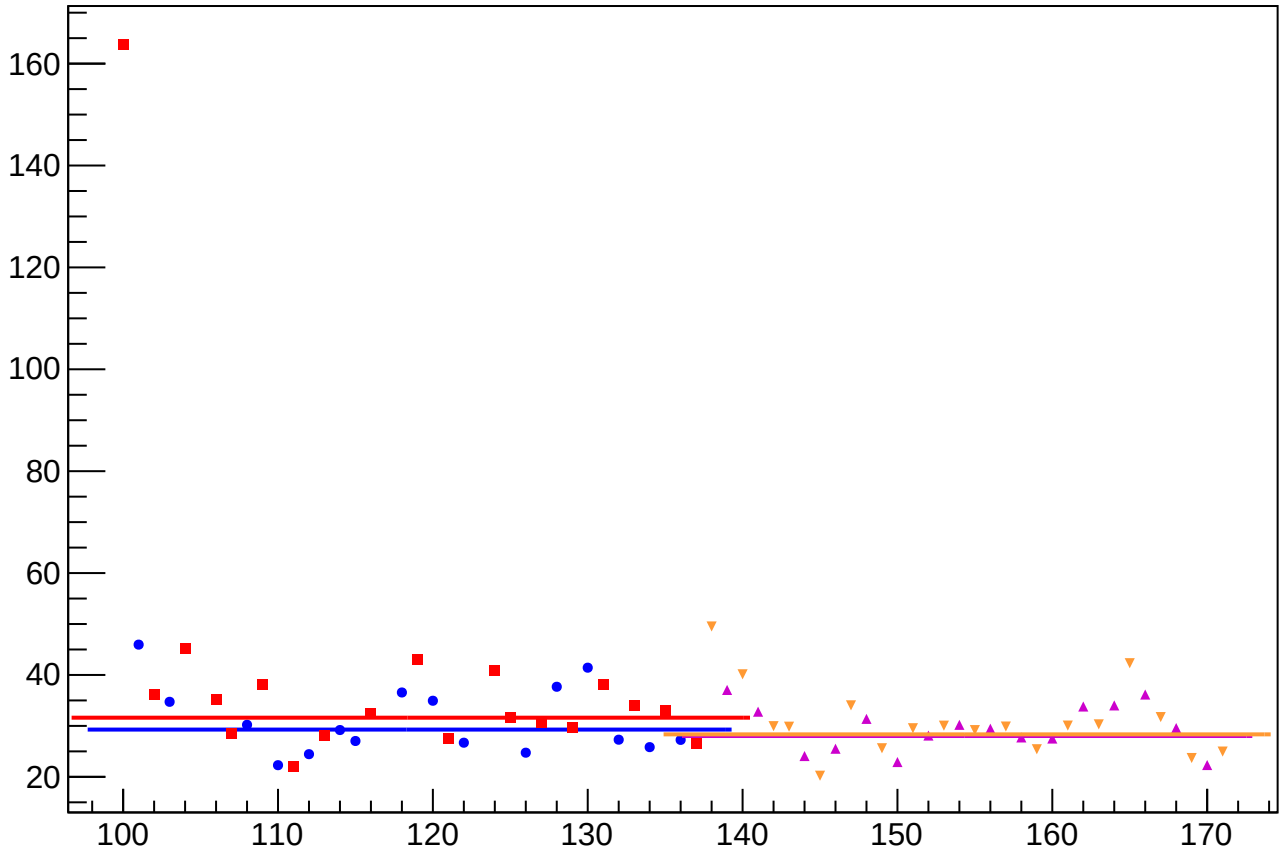
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.009+/-0.008 χ^2/NDF:15.0/15

+ sign 0.011+/-0.006 χ^2/NDF: 42.2/33

All: 0.011+/-0.005 χ^2/NDF: 74.4/68

- sign 0.012+/-0.007 χ^2/NDF: 32.1/34



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012717.9/17

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

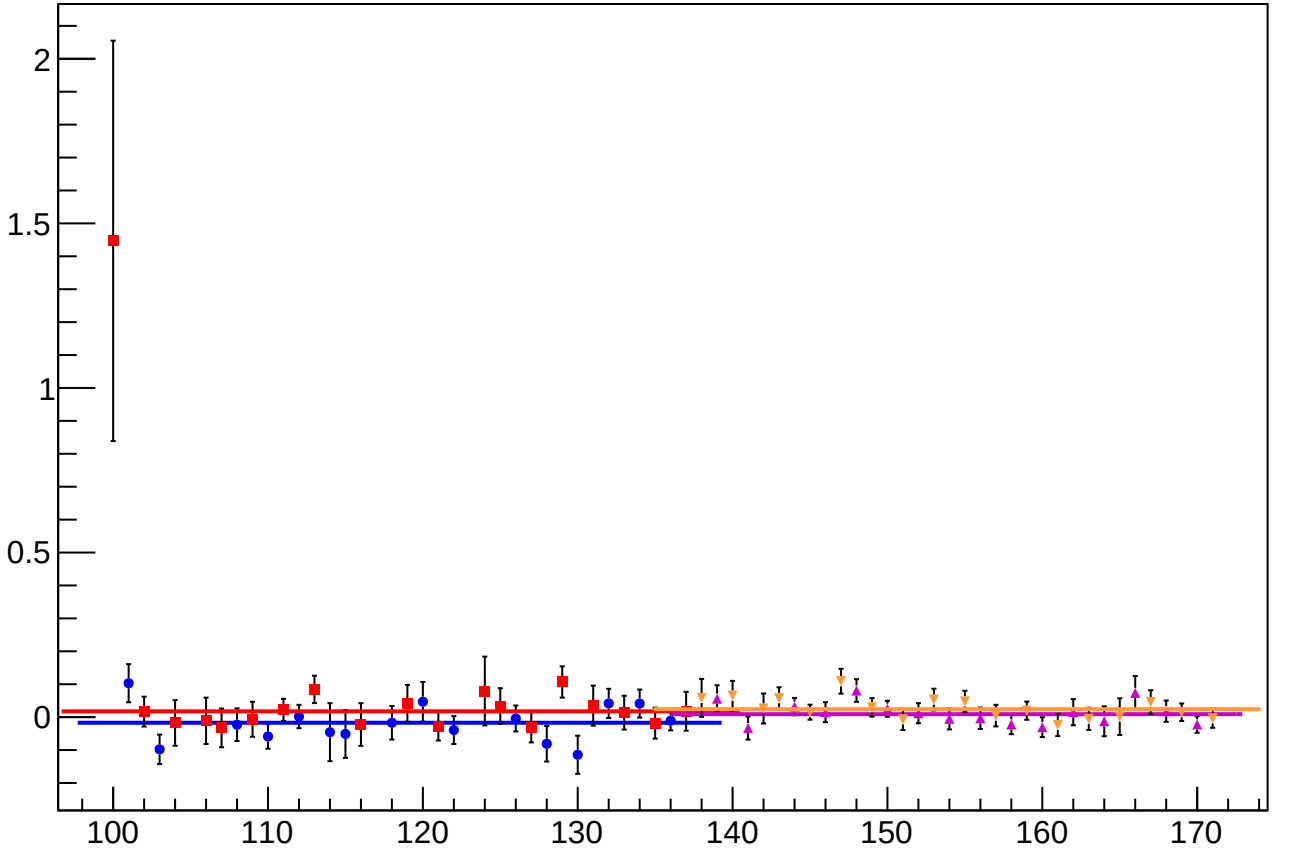
Left In: 28.015+/-0.006 χ^2/NDF:548900.9/15

+ sign 28.638+/-0.005 χ^2/NDF: 1582714.0/33

All: 28.863+/-0.003 χ^2/NDF: 2832198.5/68

- sign 29.105+/-0.005 χ^2/NDF: 1244377.3/34

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: 0.024+/-0.008 χ^2/NDF:14.4/17

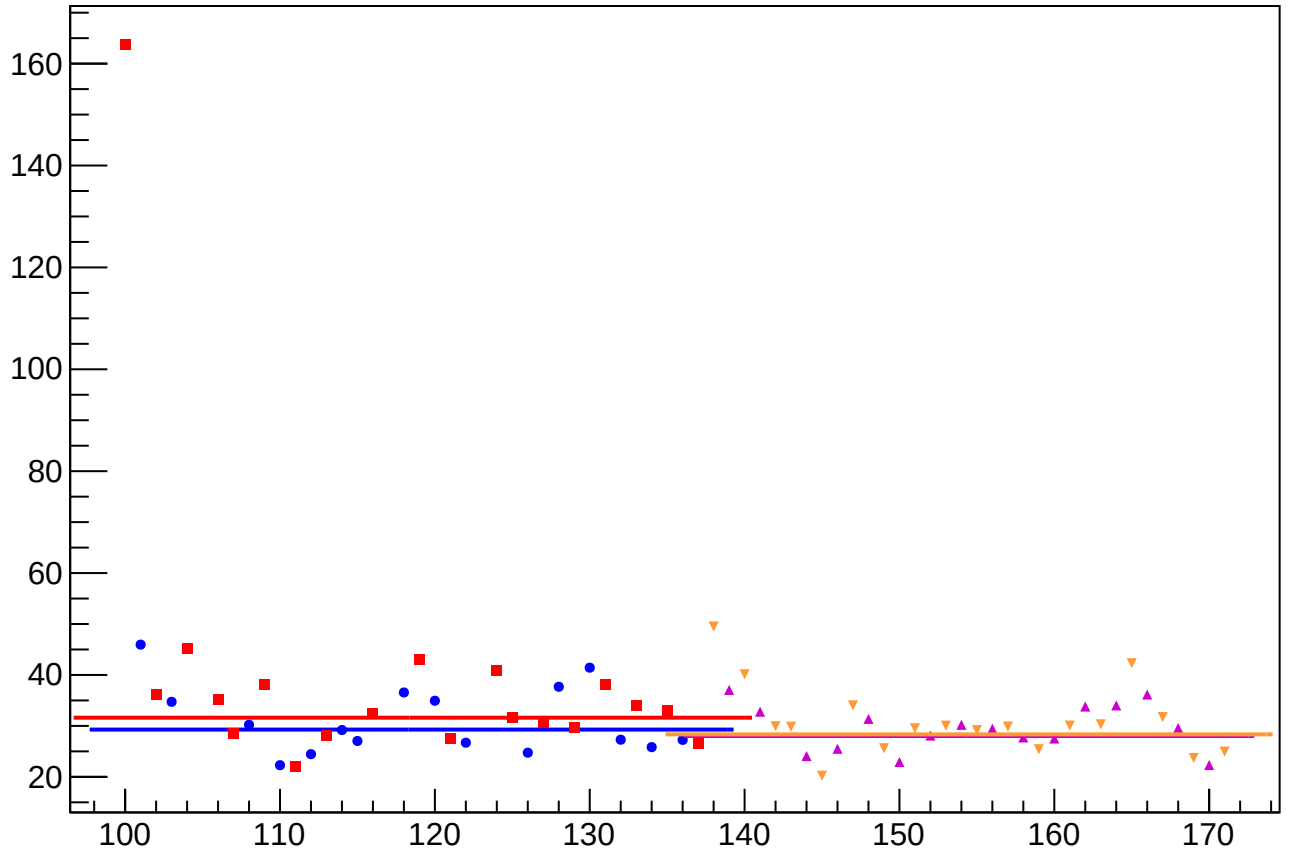
Right Out: 0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: 0.009+/-0.008 χ^2/NDF:15.0/15

+ sign 0.011+/-0.006 χ^2/NDF: 42.2/33

All: 0.011+/-0.005 χ^2/NDF: 74.4/68

- sign 0.012+/-0.007 χ^2/NDF: 32.1/34



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012717.9/17

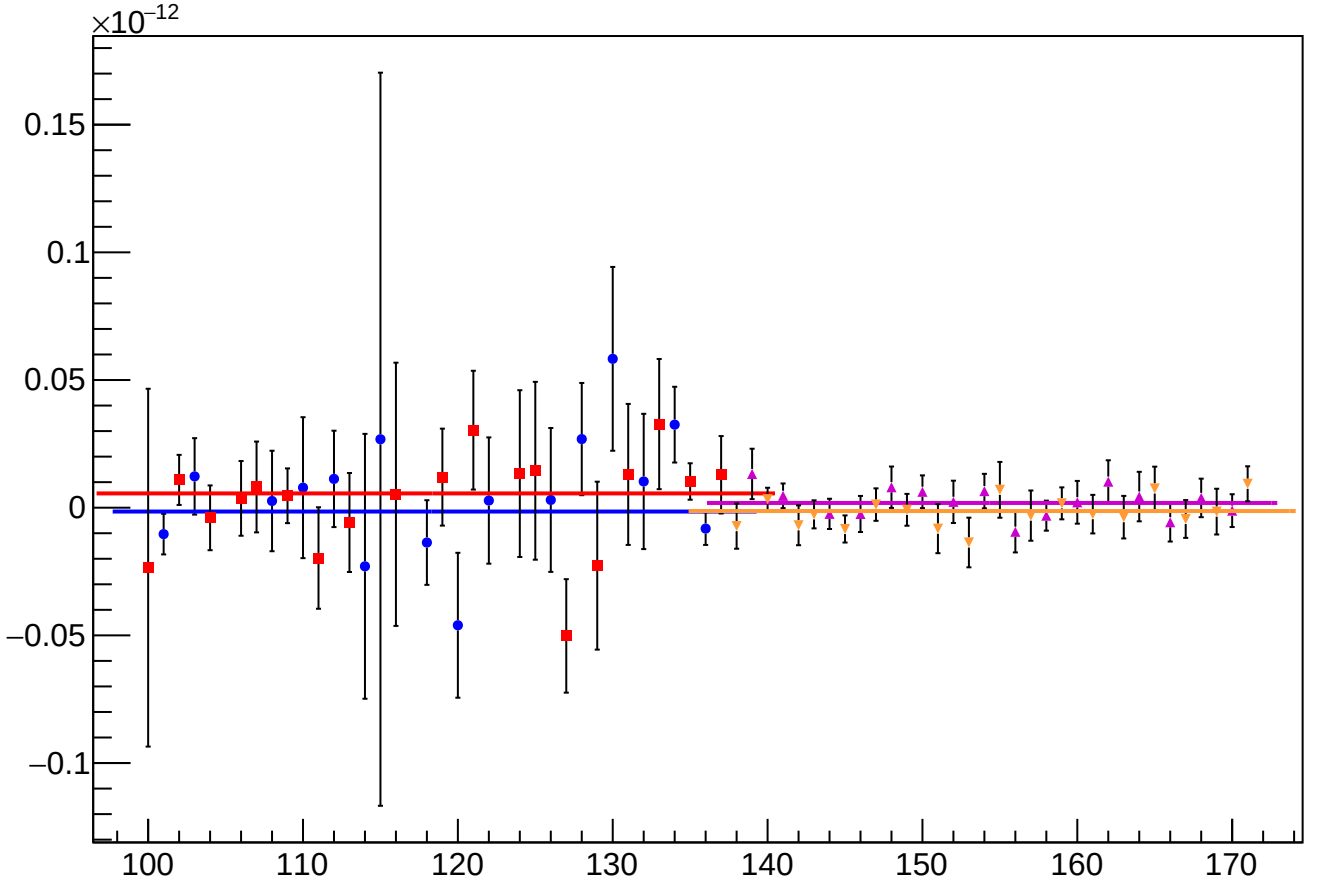
Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.015+/-0.006 χ^2/NDF:548900.9/15

+ sign 28.638+/-0.005 χ^2/NDF: 1582714.0/33

All: 28.863+/-0.003 χ^2/NDF: 2832198.5/68

- sign 29.105+/-0.005 χ^2/NDF: 1244377.3/34



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/17

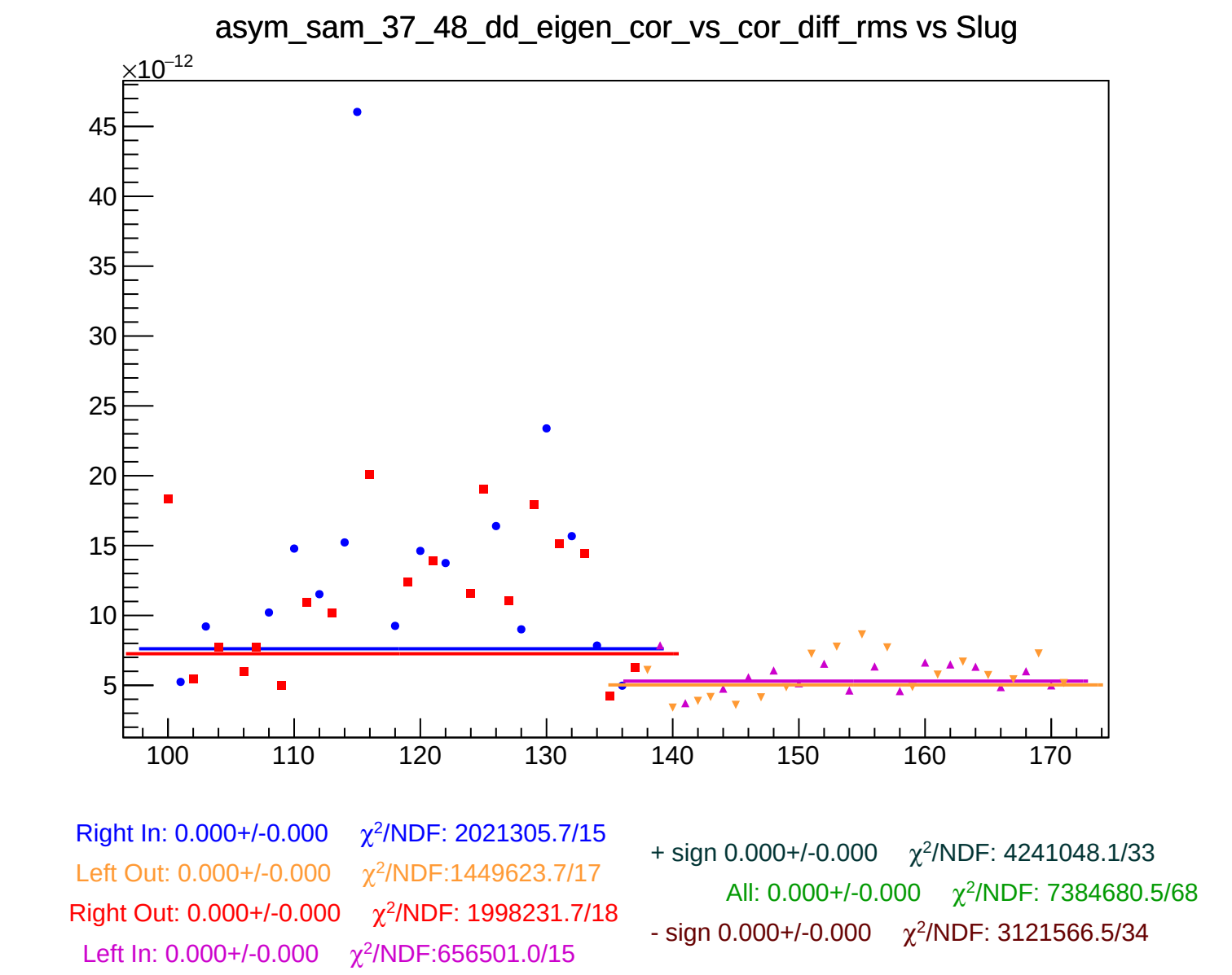
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 27.7/33

All: 0.000+/-0.000 χ^2/NDF: 54.1/68

- sign 0.000+/-0.000 χ^2/NDF: 23.2/34


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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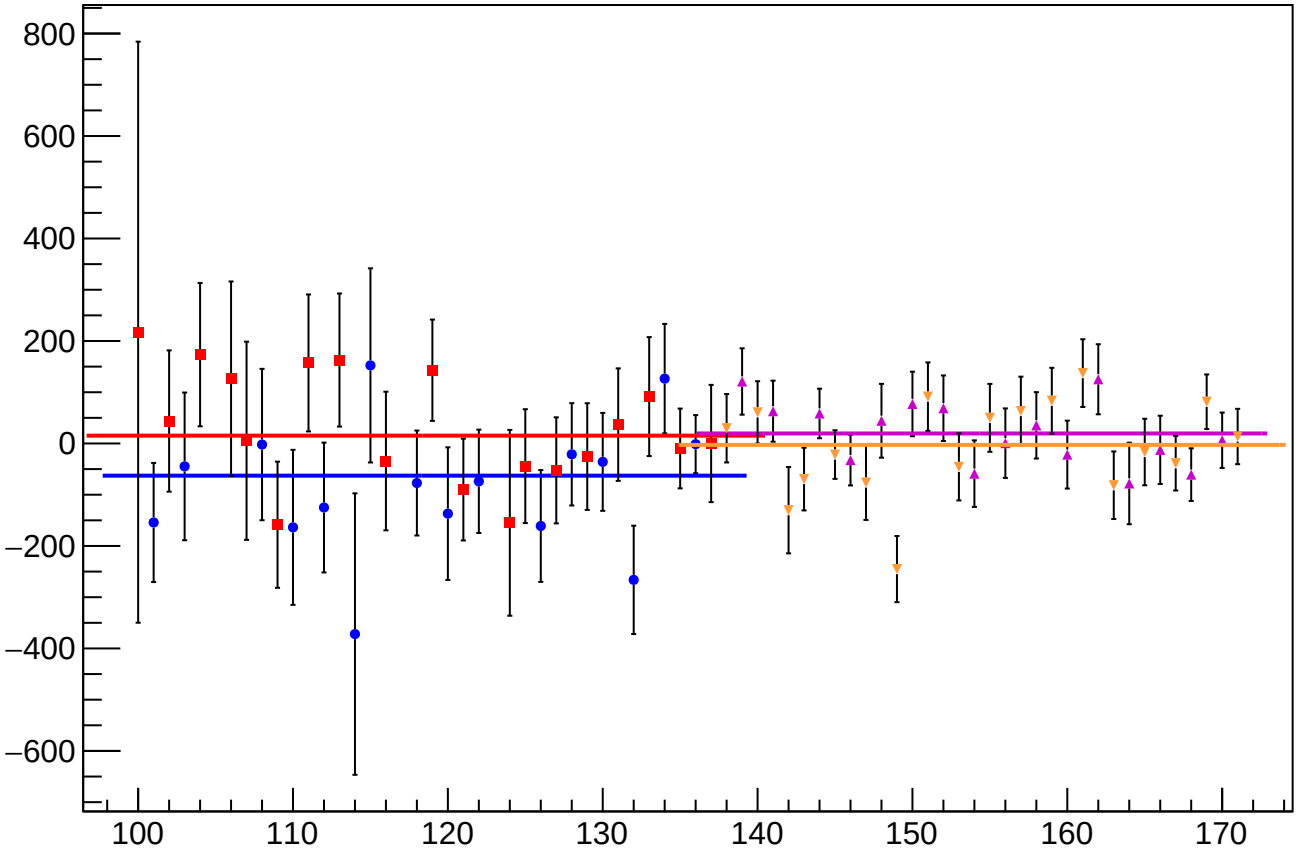
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1449623.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:656501.0/15
+ sign 0.000+/-0.000 χ²/NDF: 4241048.1/33
All: 0.000+/-0.000 χ²/NDF: 7384680.5/68
- sign 0.000+/-0.000 χ²/NDF: 3121566.5/34

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

Right Out: 15.288+/-27.770 χ^2/NDF: 11.5/18

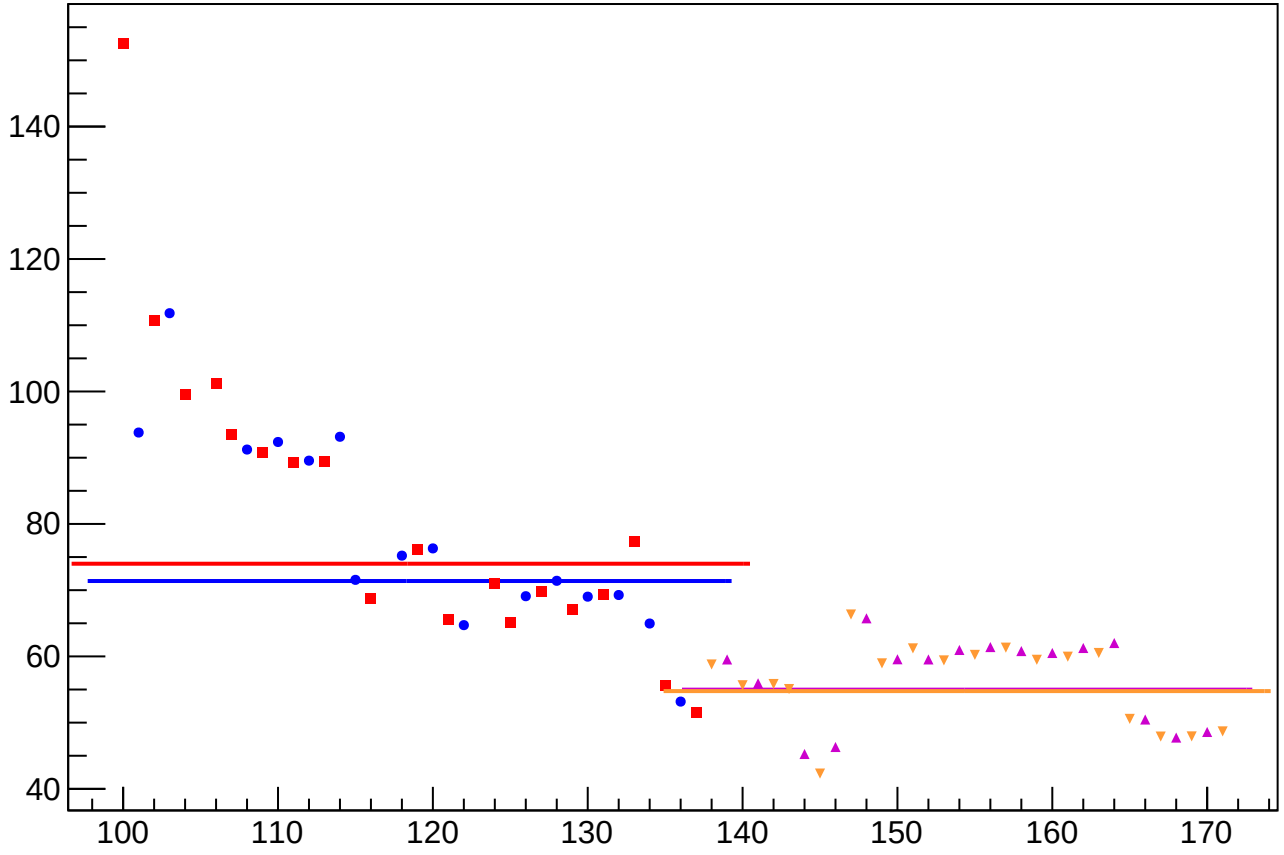
Left In: 19.540+/-15.279 χ^2/NDF:14.9/15

+ sign -16.212+/-12.890 χ^2/NDF: 52.2/33

All: 0.513+/-9.285 χ^2/NDF: 82.1/68

- sign 18.552+/-13.387 χ^2/NDF: 26.4/34

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

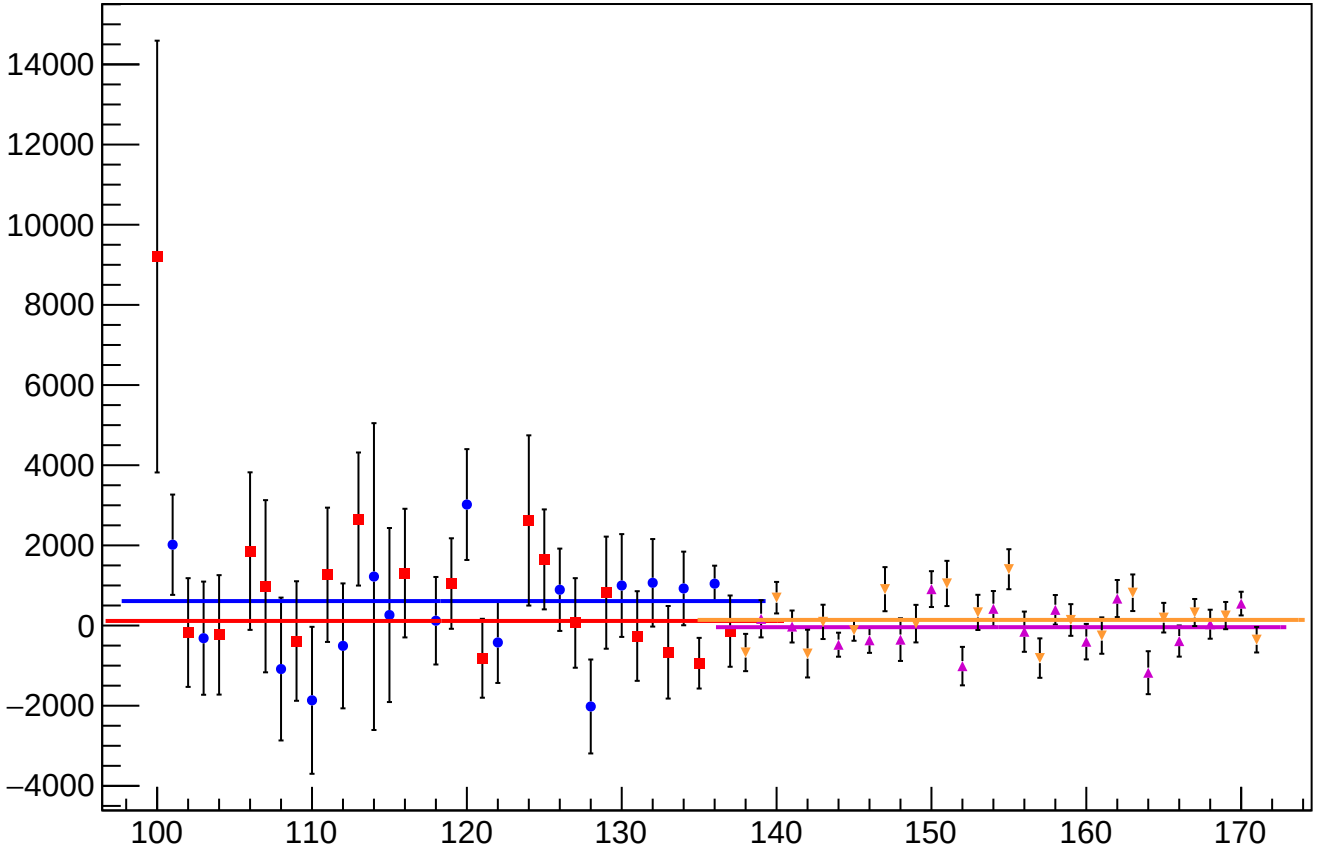
Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

+ sign 58.490+/-0.009 χ^2/NDF: 1573888.6/33

All: 58.927+/-0.007 χ^2/NDF: 3329155.2/68

- sign 59.398+/-0.009 χ^2/NDF: 1750492.9/34

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 140.691+/-95.883 χ^2/NDF:28.7/17

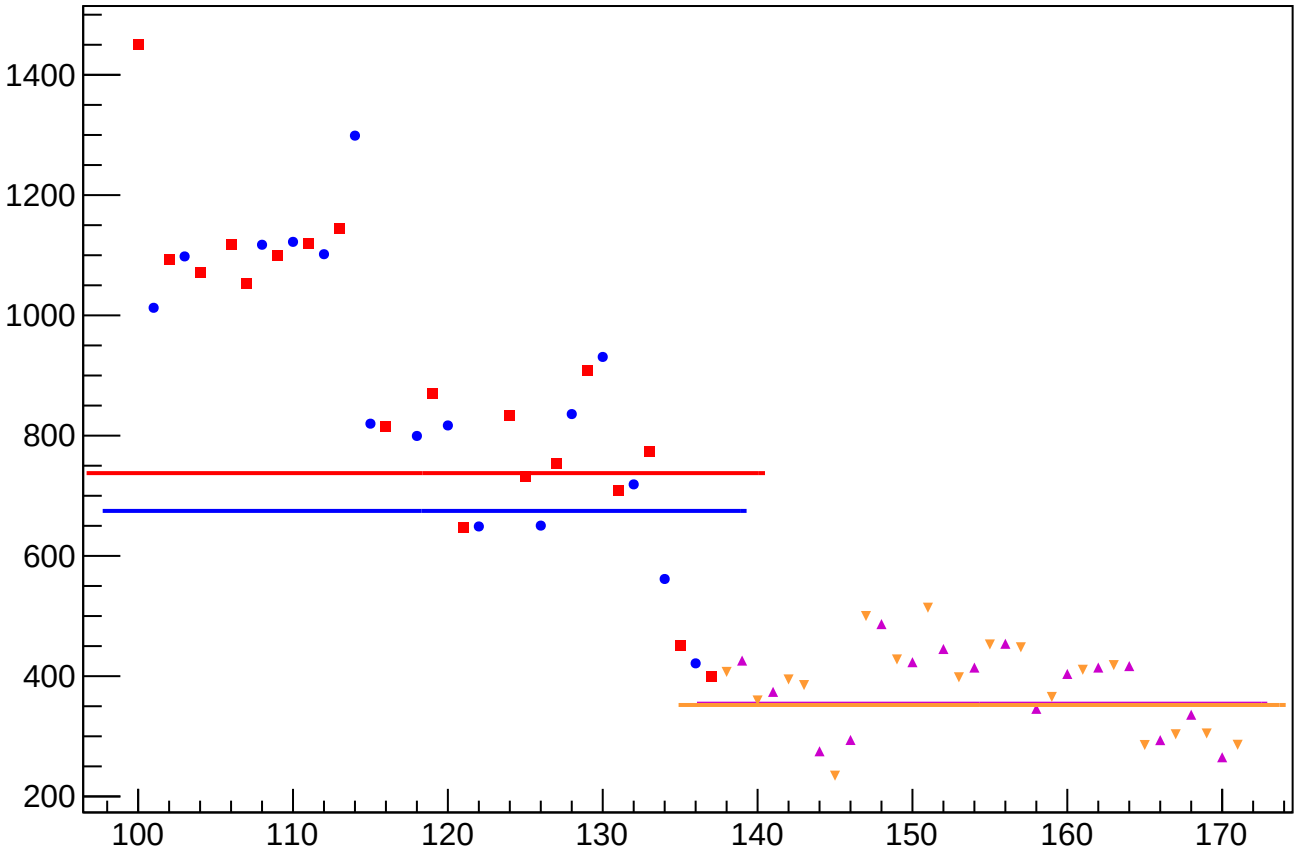
Right Out: 114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -40.796+/-99.793 χ^2/NDF:27.2/15

+ sign 194.435+/-90.233 χ^2/NDF: 47.2/33

All: 89.989+/-65.149 χ^2/NDF: 93.0/68

- sign -23.747+/-94.161 χ^2/NDF: 43.0/34



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298773.0/17

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

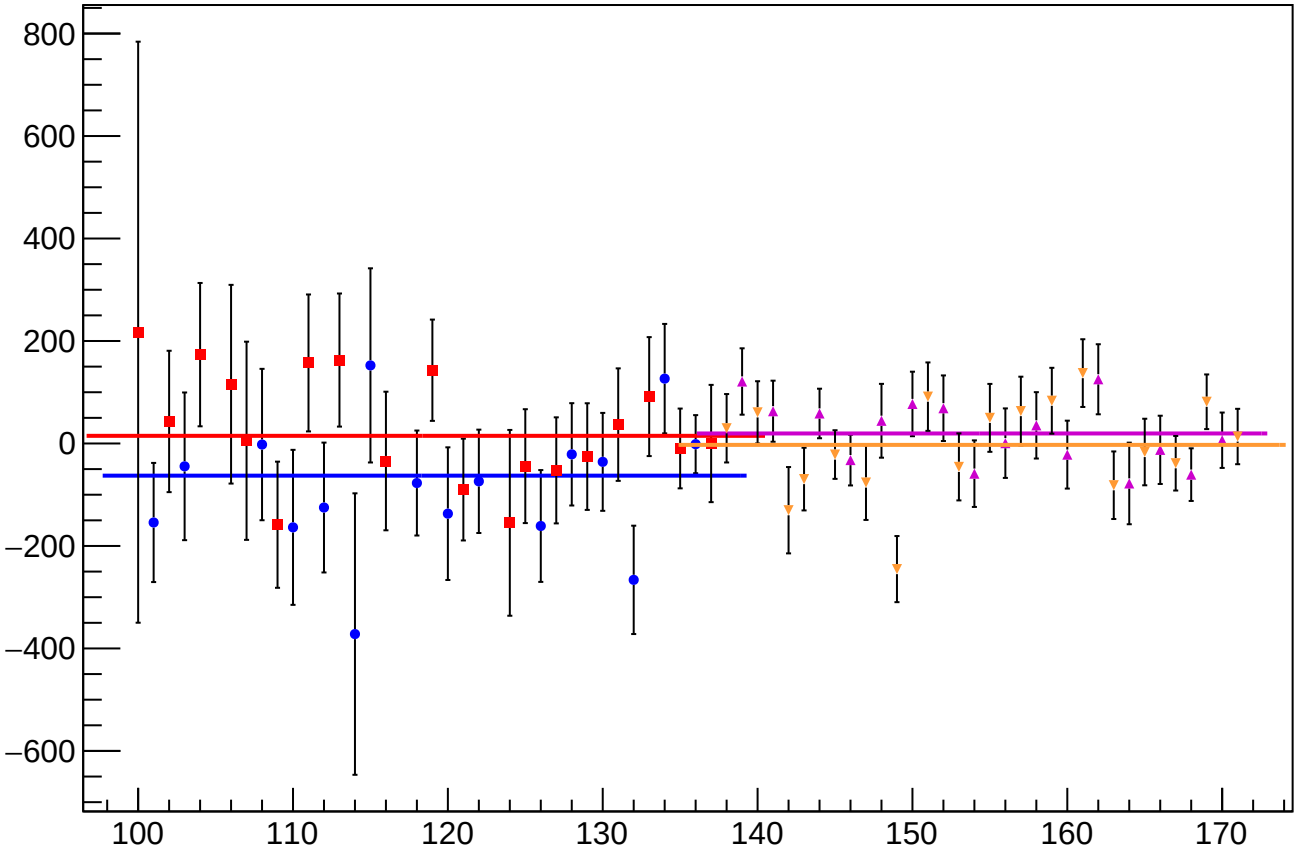
Left In: 354.264+/-0.071 χ^2/NDF:946879.7/15

+ sign 389.017+/-0.064 χ^2/NDF: 5507973.7/33

All: 392.513+/-0.046 χ^2/NDF: 11216117.5/68

- sign 396.319+/-0.067 χ^2/NDF: 5701874.6/34

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

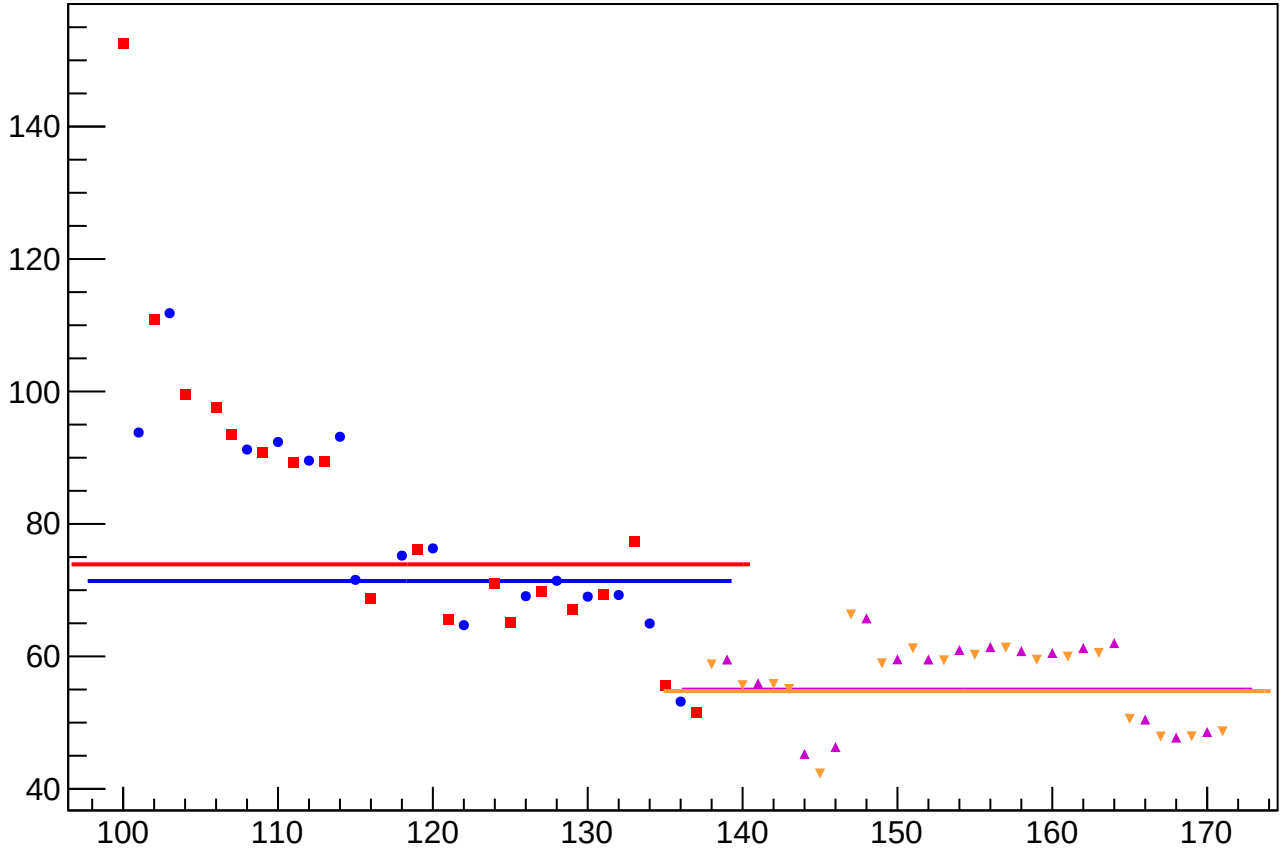
Left In: 19.542+/-15.279 χ^2/NDF:14.9/15

+ sign -16.210+/-12.890 χ^2/NDF: 52.2/33

All: 0.473+/-9.286 χ^2/NDF: 82.0/68

- sign 18.471+/-13.388 χ^2/NDF: 26.3/34

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

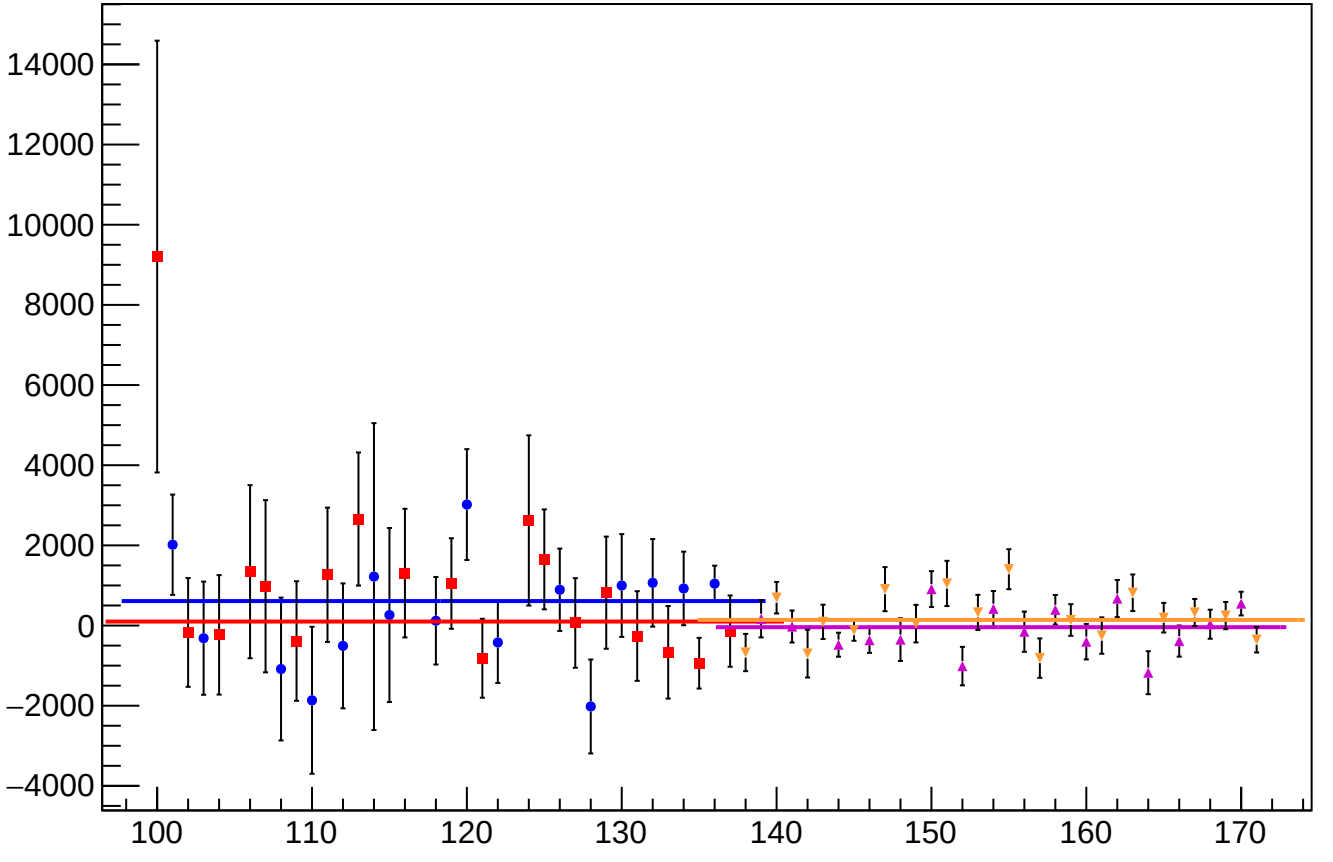
Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

+ sign 58.490+/-0.009 χ^2/NDF: 1573891.2/33

All: 58.914+/-0.007 χ^2/NDF: 3309400.0/68

- sign 59.372+/-0.009 χ^2/NDF: 1731009.1/34

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.689+/-95.883 χ^2/NDF:28.7/17

Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

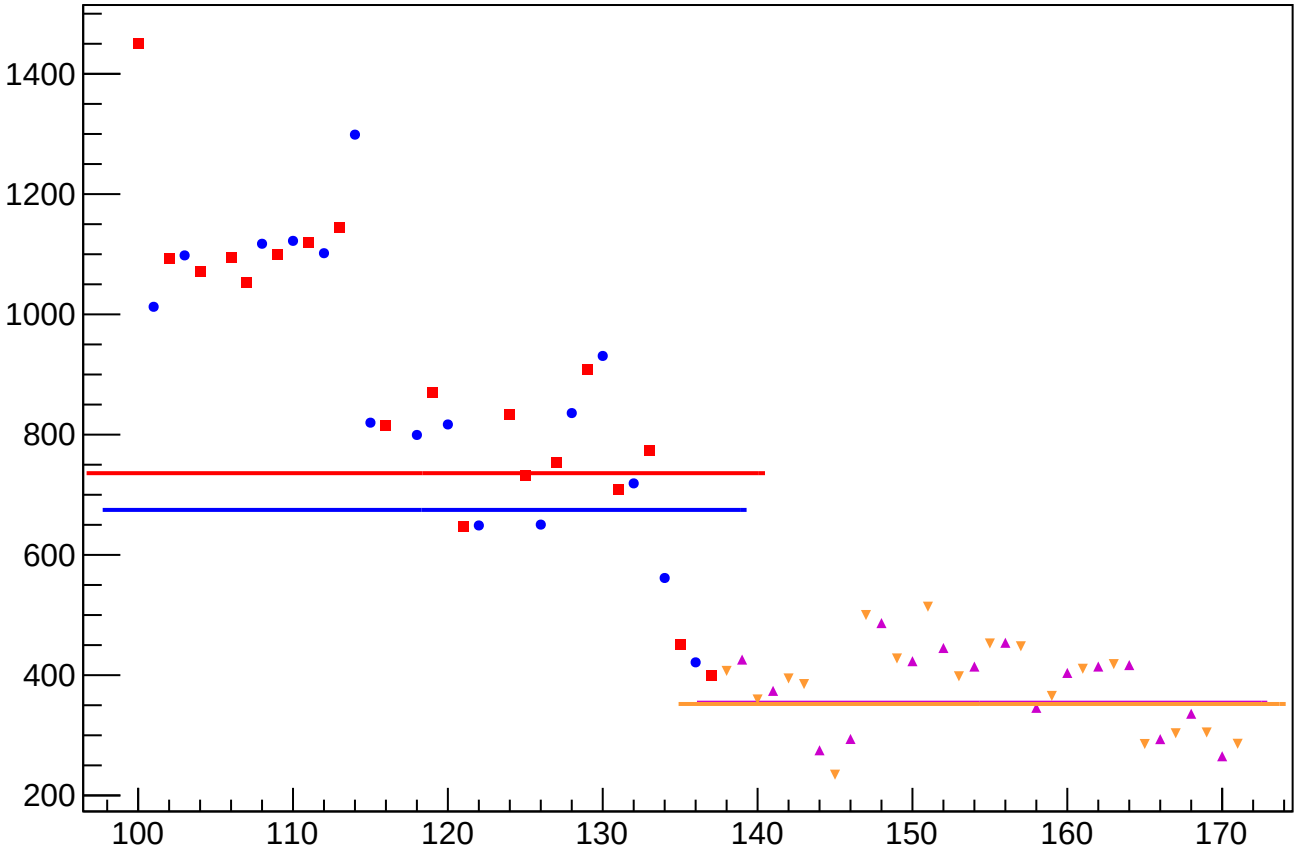
Left In: -40.792+/-99.793 χ^2/NDF:27.2/15

+ sign 194.431+/-90.233 χ^2/NDF: 47.2/33

All: 89.195+/-65.155 χ^2/NDF: 92.5/68

- sign -25.448+/-94.180 χ^2/NDF: 42.5/34

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298775.2/17

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

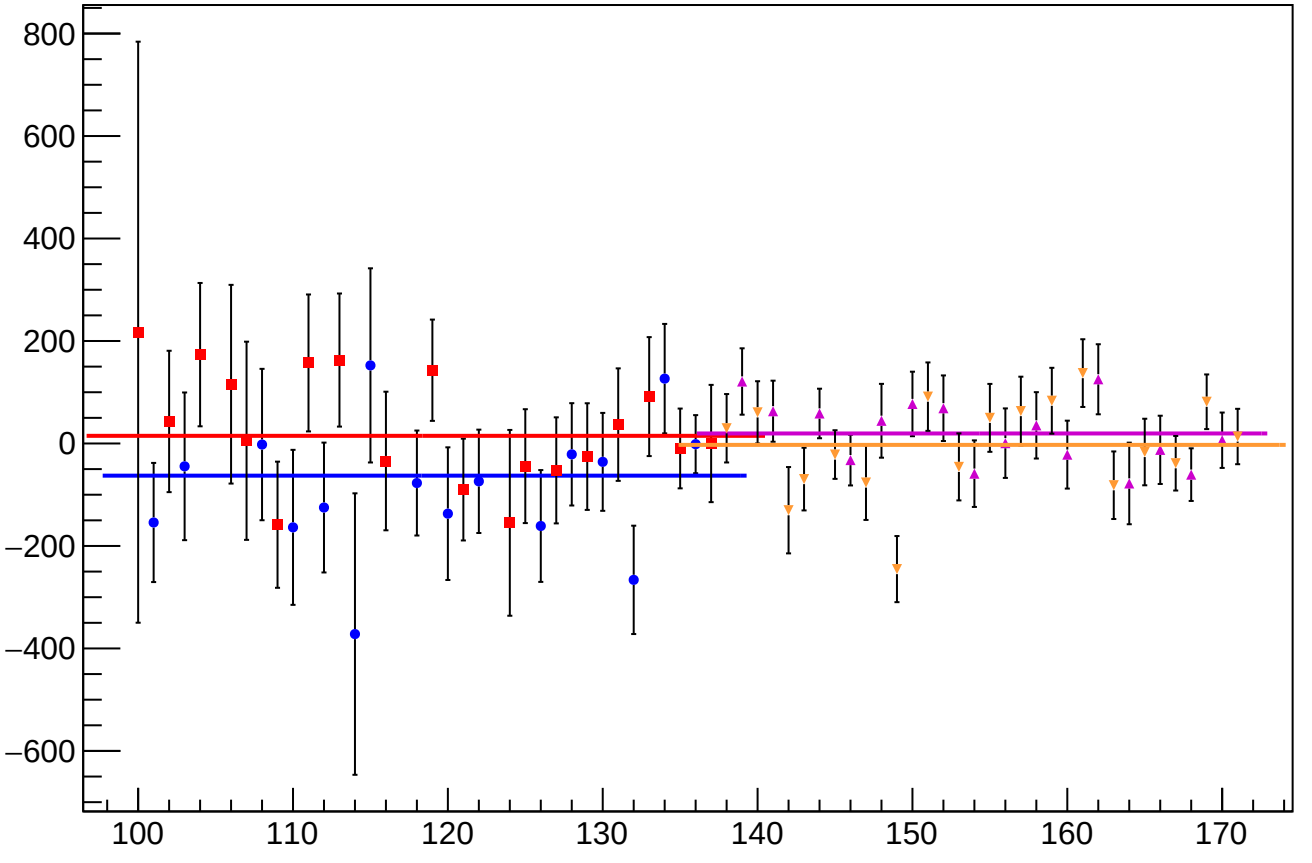
Left In: 354.264+/-0.071 χ^2/NDF:946885.5/15

+ sign 389.017+/-0.064 χ^2/NDF: 5507998.5/33

All: 392.355+/-0.046 χ^2/NDF: 11155841.1/68

- sign 395.991+/-0.067 χ^2/NDF: 5642125.4/34

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

Right Out: 14.932+/-27.783 χ^2/NDF: 11.4/18

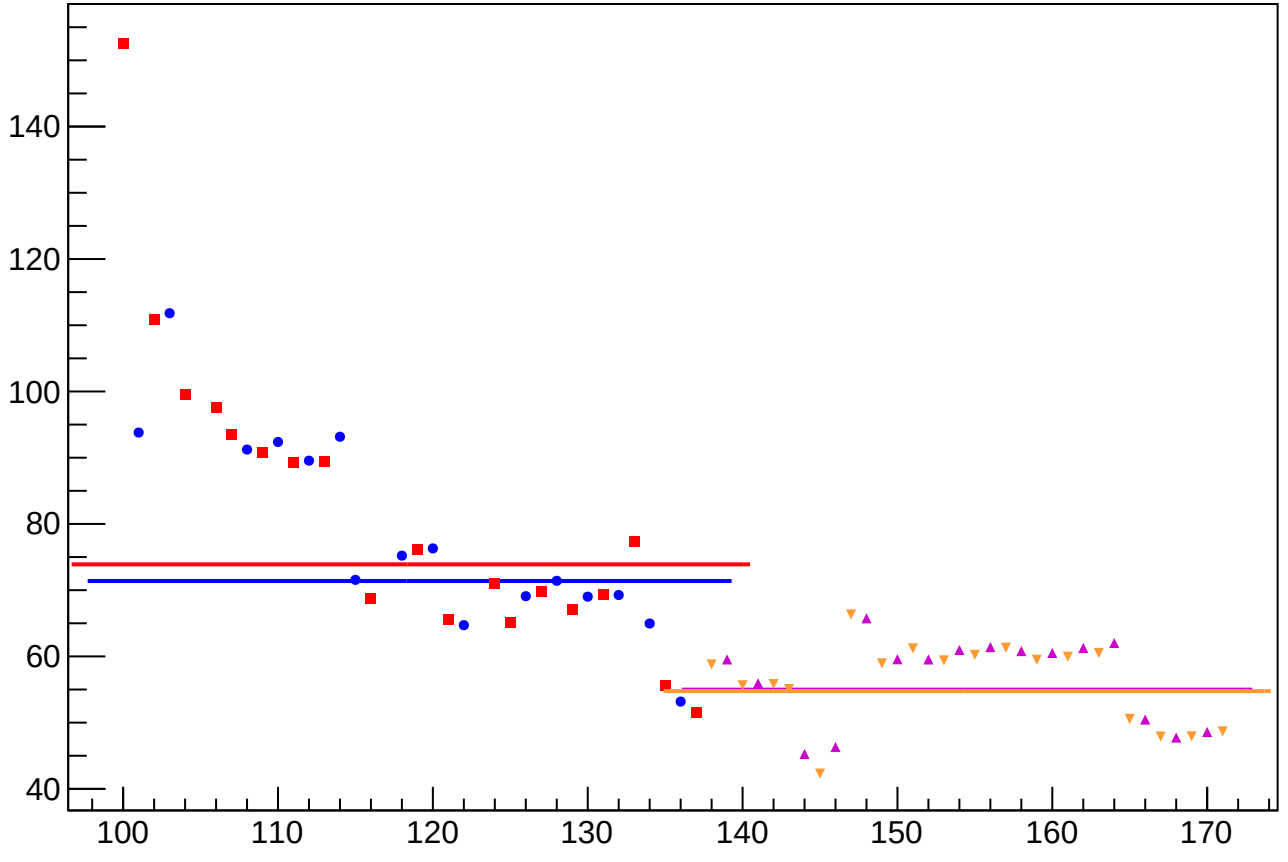
Left In: 19.542+/-15.279 χ^2/NDF:14.9/15

+ sign -16.210+/-12.890 χ^2/NDF: 52.2/33

All: 0.473+/-9.286 χ^2/NDF: 82.0/68

- sign 18.471+/-13.388 χ^2/NDF: 26.3/34

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

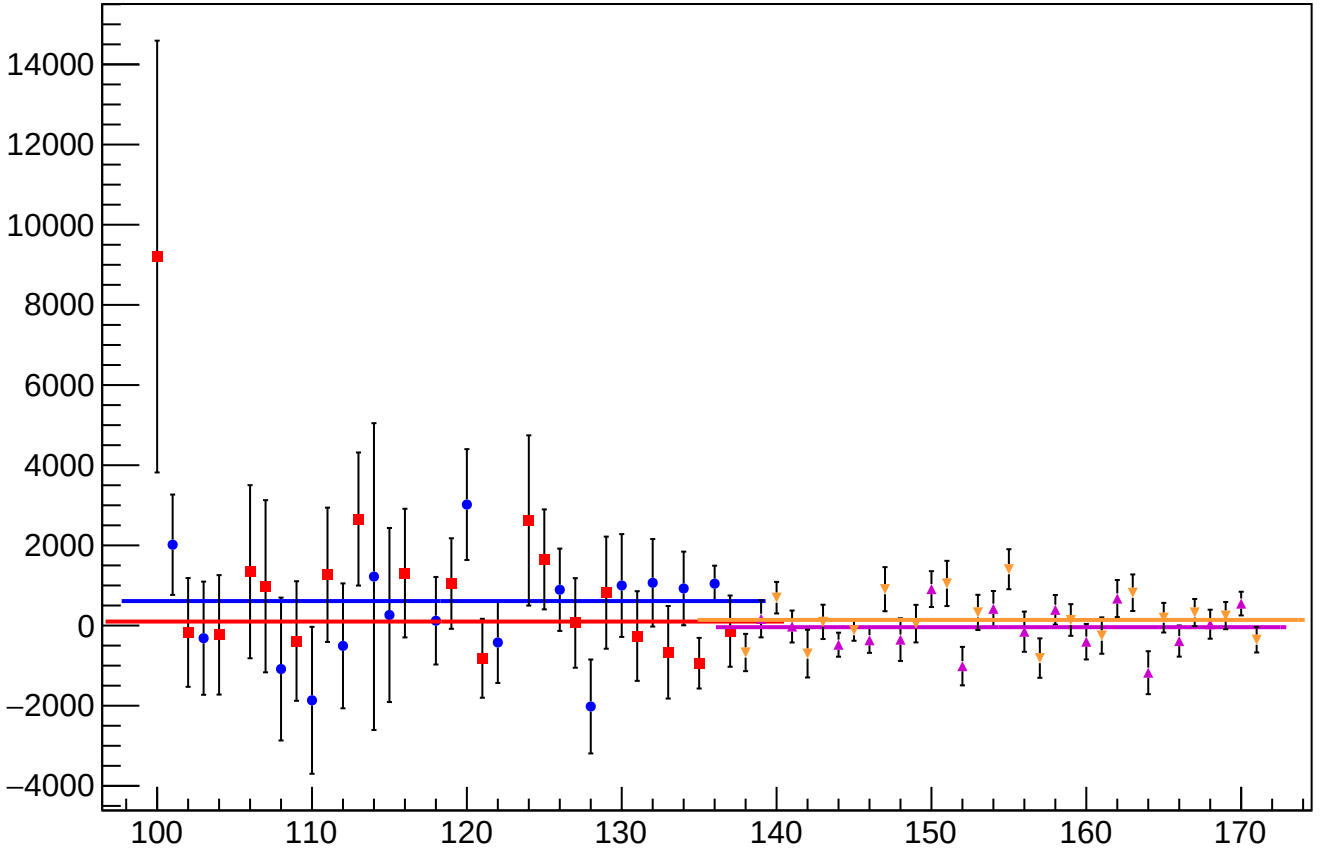
Left In: 54.980+/-0.011 χ^2/NDF:392338.8/15

+ sign 58.490+/-0.009 χ^2/NDF: 1573891.2/33

All: 58.914+/-0.007 χ^2/NDF: 3309400.0/68

- sign 59.372+/-0.009 χ^2/NDF: 1731009.1/34

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.689+/-95.883 χ^2/NDF:28.7/17

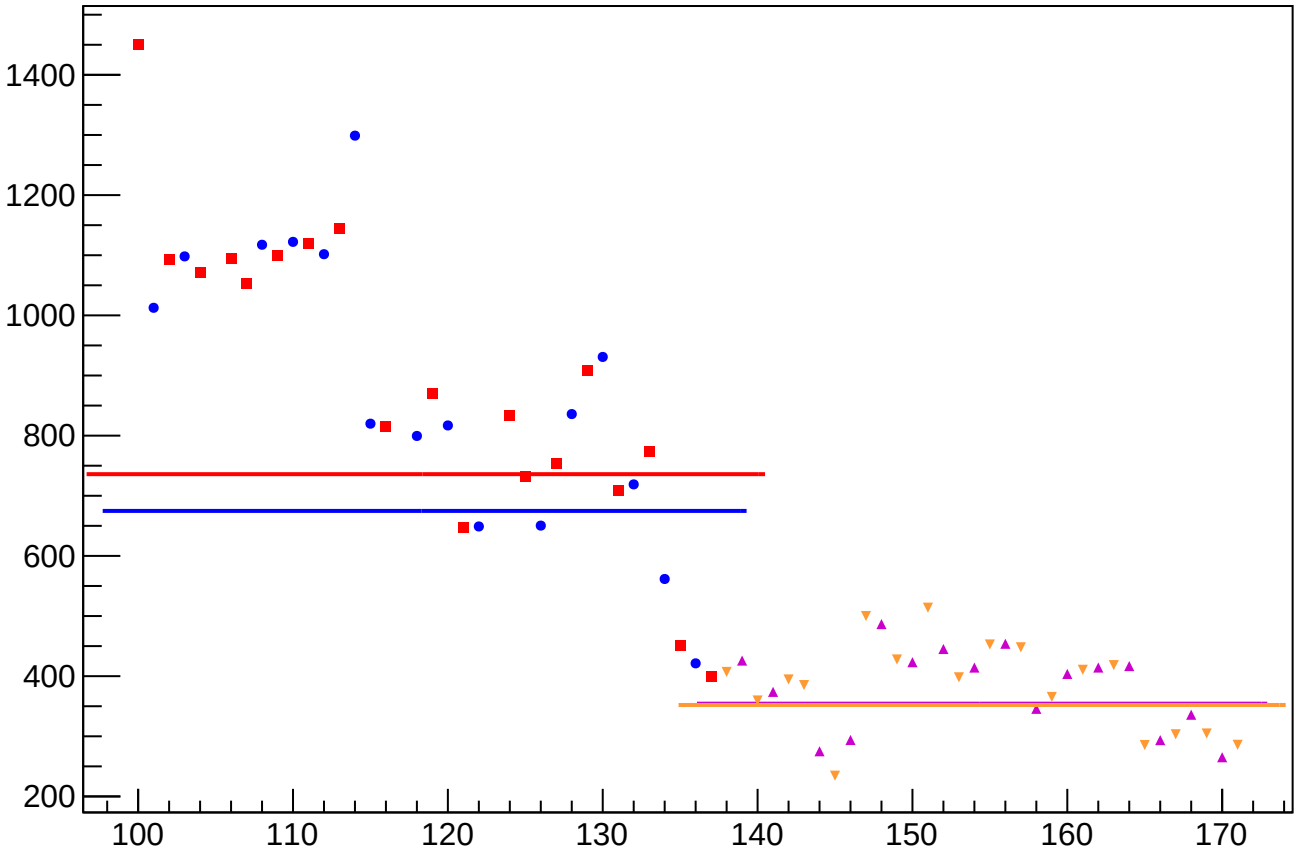
Right Out: 99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -40.792+/-99.793 χ^2/NDF:27.2/15

+ sign 194.431+/-90.233 χ^2/NDF: 47.2/33

All: 89.195+/-65.155 χ^2/NDF: 92.5/68

- sign -25.448+/-94.180 χ^2/NDF: 42.5/34



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298775.2/17

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

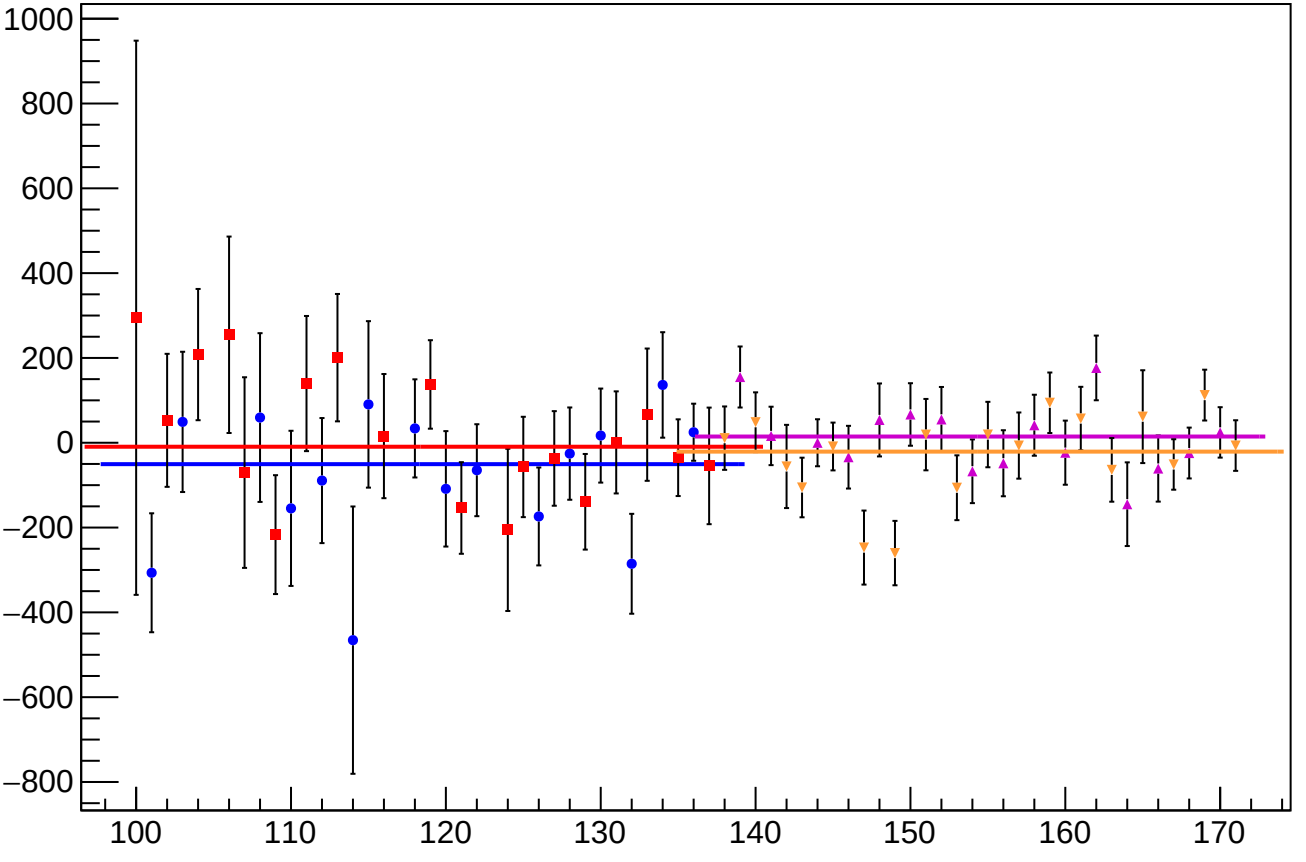
Left In: 354.264+/-0.071 χ^2/NDF:946885.5/15

+ sign 389.017+/-0.064 χ^2/NDF: 5507998.5/33

All: 392.355+/-0.046 χ^2/NDF: 11155841.1/68

- sign 395.991+/-0.067 χ^2/NDF: 5642125.4/34

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -20.915+/-17.078 χ^2/NDF:31.0/17

Right Out: -9.380+/-31.235 χ^2/NDF: 15.6/18

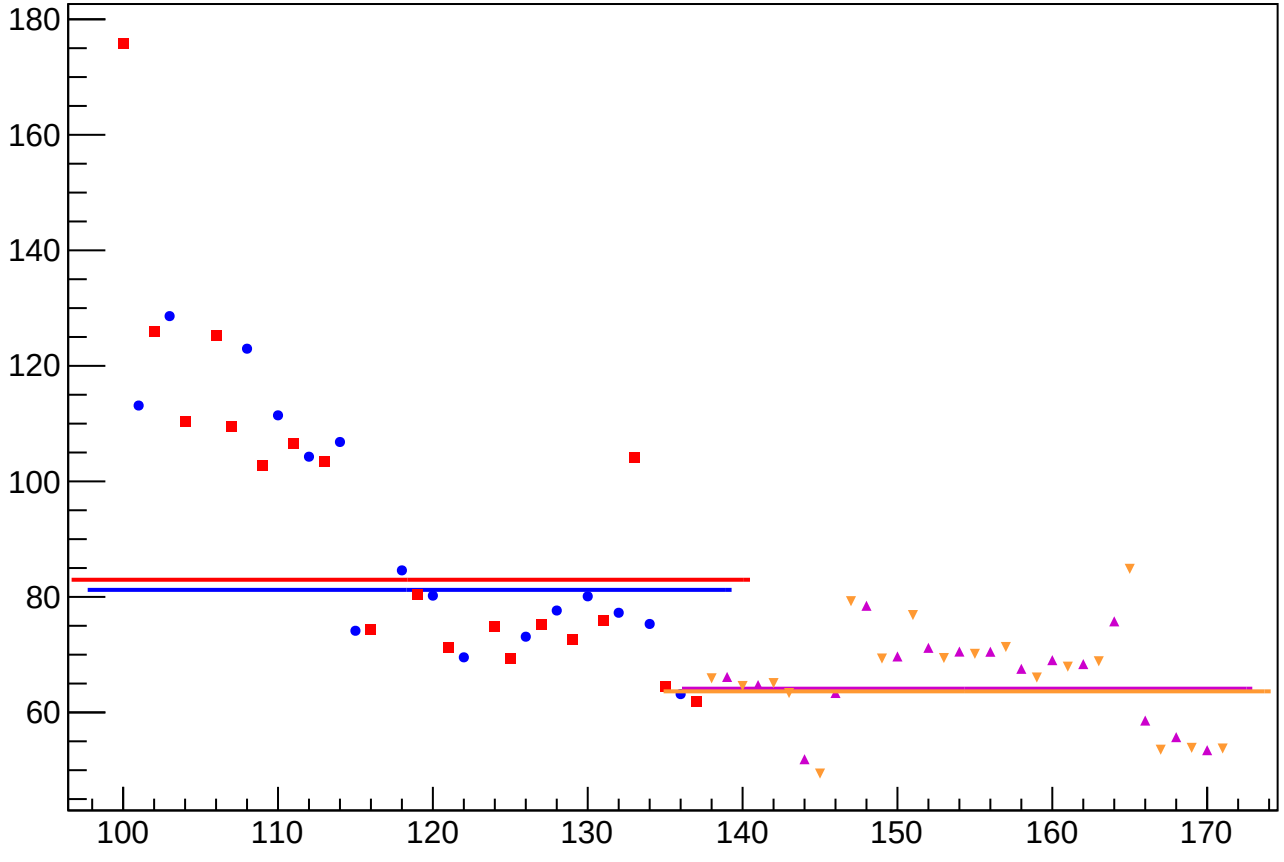
Left In: 14.676+/-17.924 χ^2/NDF:16.0/15

+ sign -27.774+/-14.965 χ^2/NDF: 48.2/33

All: -10.223+/-10.781 χ^2/NDF: 83.1/68

- sign 8.717+/-15.546 χ^2/NDF: 32.0/34

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 63.650+/-0.012 χ^2/NDF:559048.2/17

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

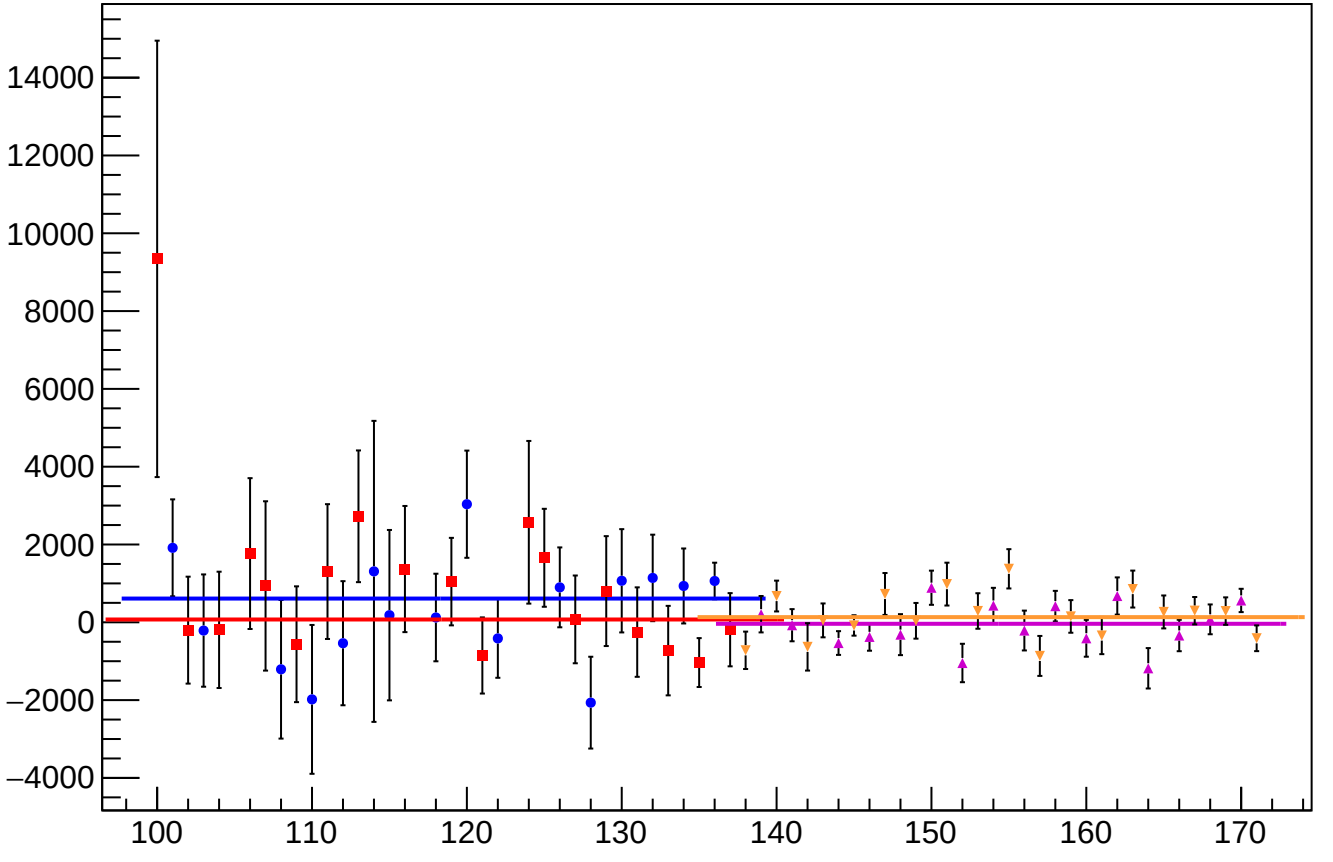
Left In: 64.110+/-0.013 χ^2/NDF:371953.3/15

+ sign 67.728+/-0.011 χ^2/NDF: 1713225.7/33

All: 68.235+/-0.008 χ^2/NDF: 3368930.0/68

- sign 68.782+/-0.011 χ^2/NDF: 1650924.6/34

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 133.000+/-98.746 χ^2/NDF:27.4/17

Right Out: 72.311+/-286.830 χ^2/NDF: 16.2/18

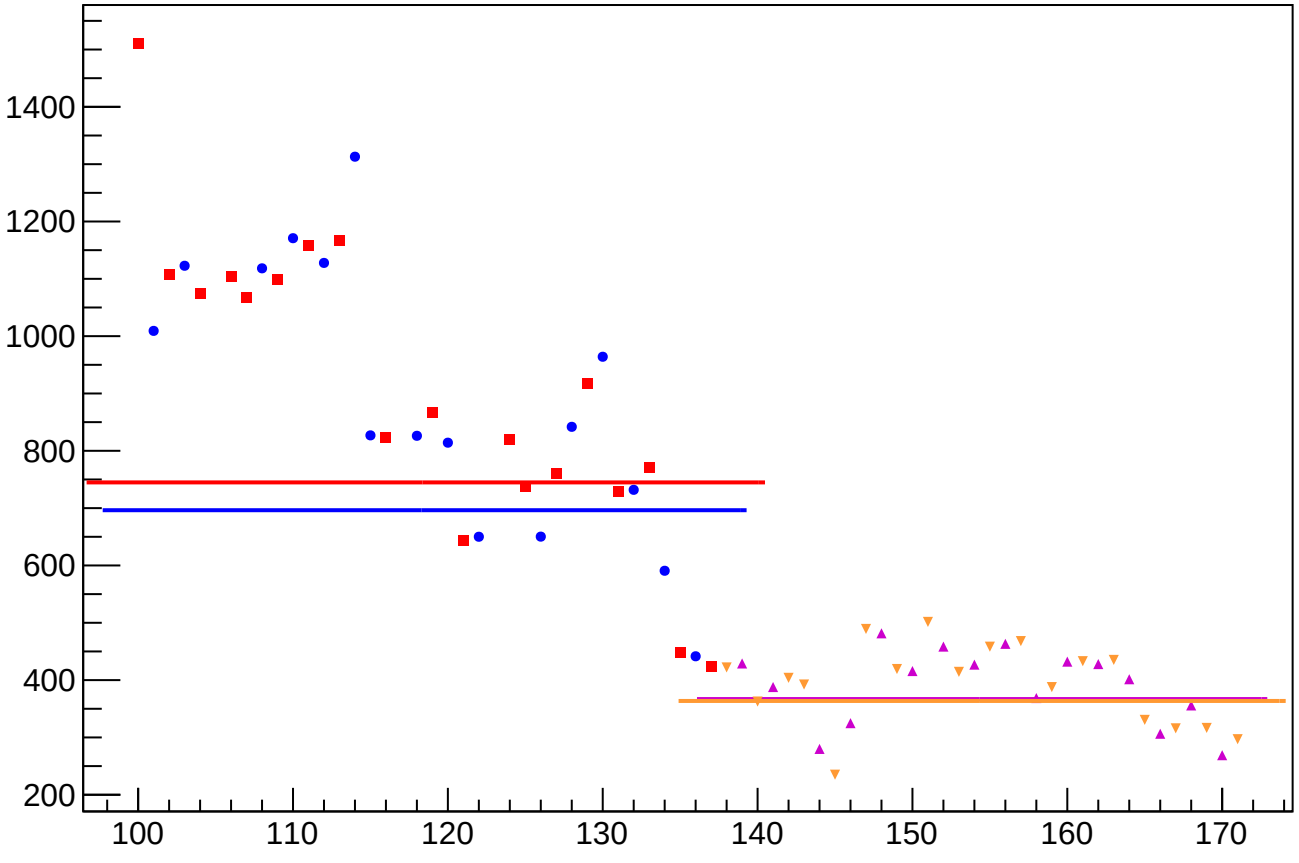
Left In: -38.309+/-103.310 χ^2/NDF:27.6/15

+ sign 187.881+/-92.897 χ^2/NDF: 45.9/33

All: 85.965+/-67.157 χ^2/NDF: 92.3/68

- sign -25.606+/-97.198 χ^2/NDF: 43.9/34

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 363.635+/-0.070 χ^2/NDF:1229604.6/17

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

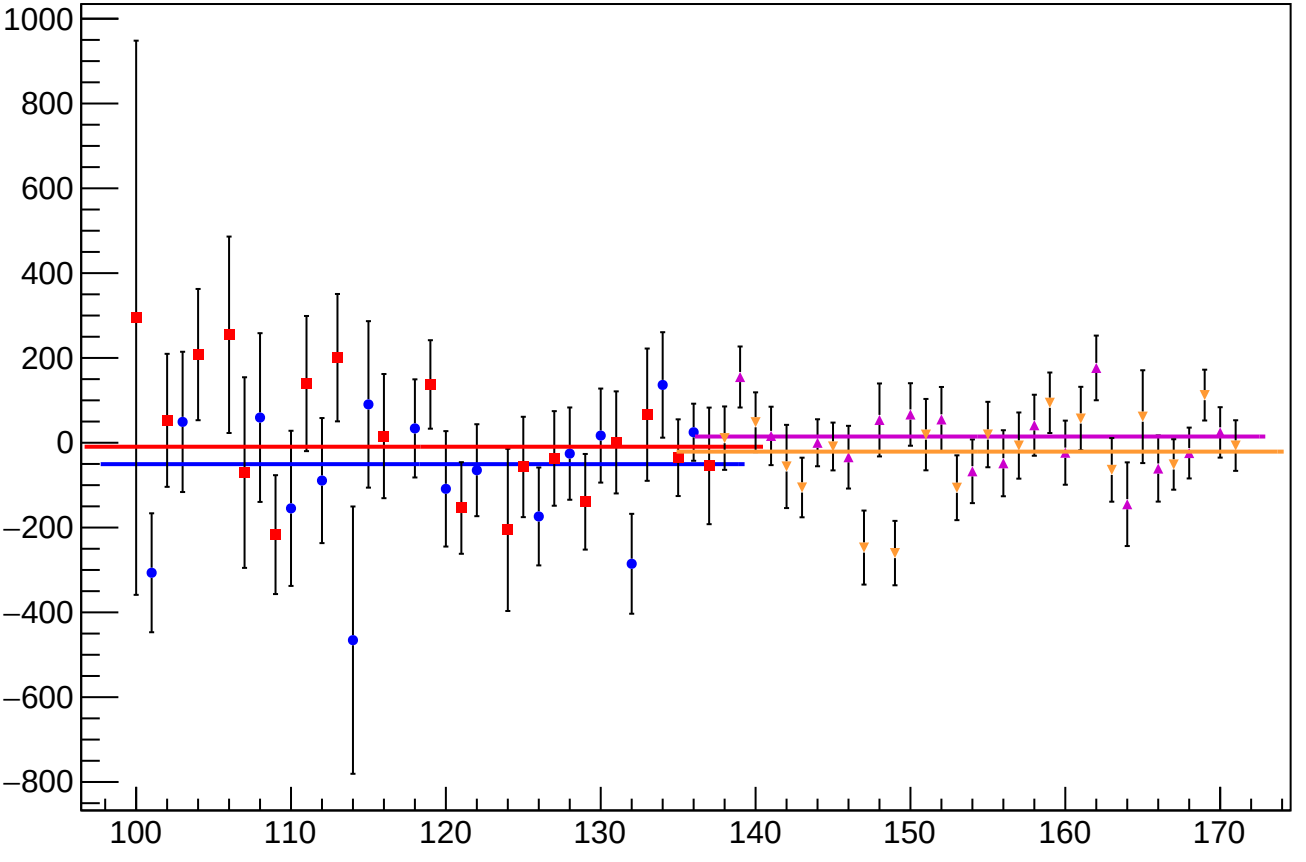
Left In: 366.949+/-0.073 χ^2/NDF:864389.5/15

+ sign 401.887+/-0.066 χ^2/NDF: 5355718.6/33

All: 405.926+/-0.047 χ^2/NDF: 10799788.3/68

- sign 410.347+/-0.069 χ^2/NDF: 5436152.2/34

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -20.913+/-17.078 χ^2/NDF:31.0/17

Right Out: -9.381+/-31.235 χ^2/NDF: 15.6/18

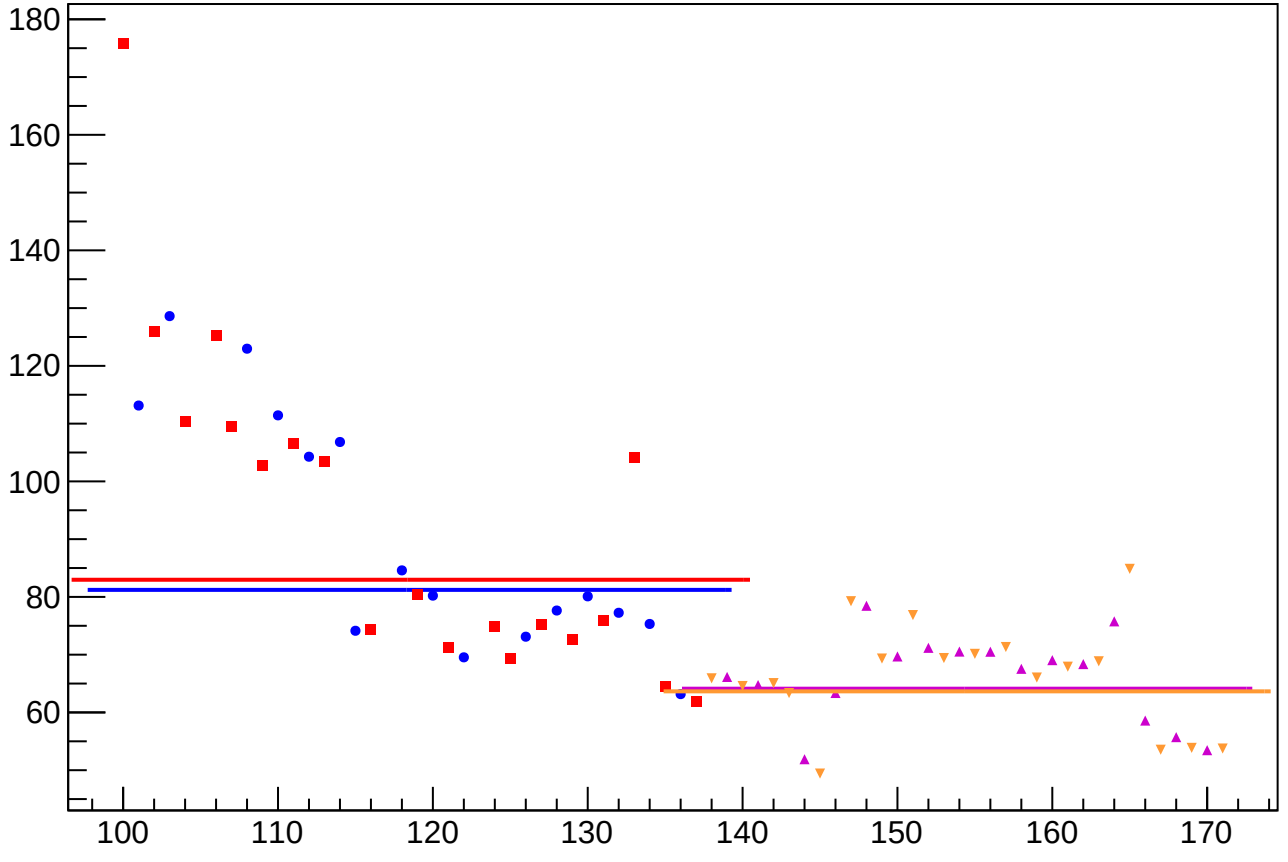
Left In: 14.675+/-17.924 χ^2/NDF:16.0/15

+ sign -27.773+/-14.965 χ^2/NDF: 48.2/33

All: -10.223+/-10.781 χ^2/NDF: 83.1/68

- sign 8.716+/-15.546 χ^2/NDF: 32.0/34

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 63.650+/-0.012 χ^2/NDF:559044.2/17

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

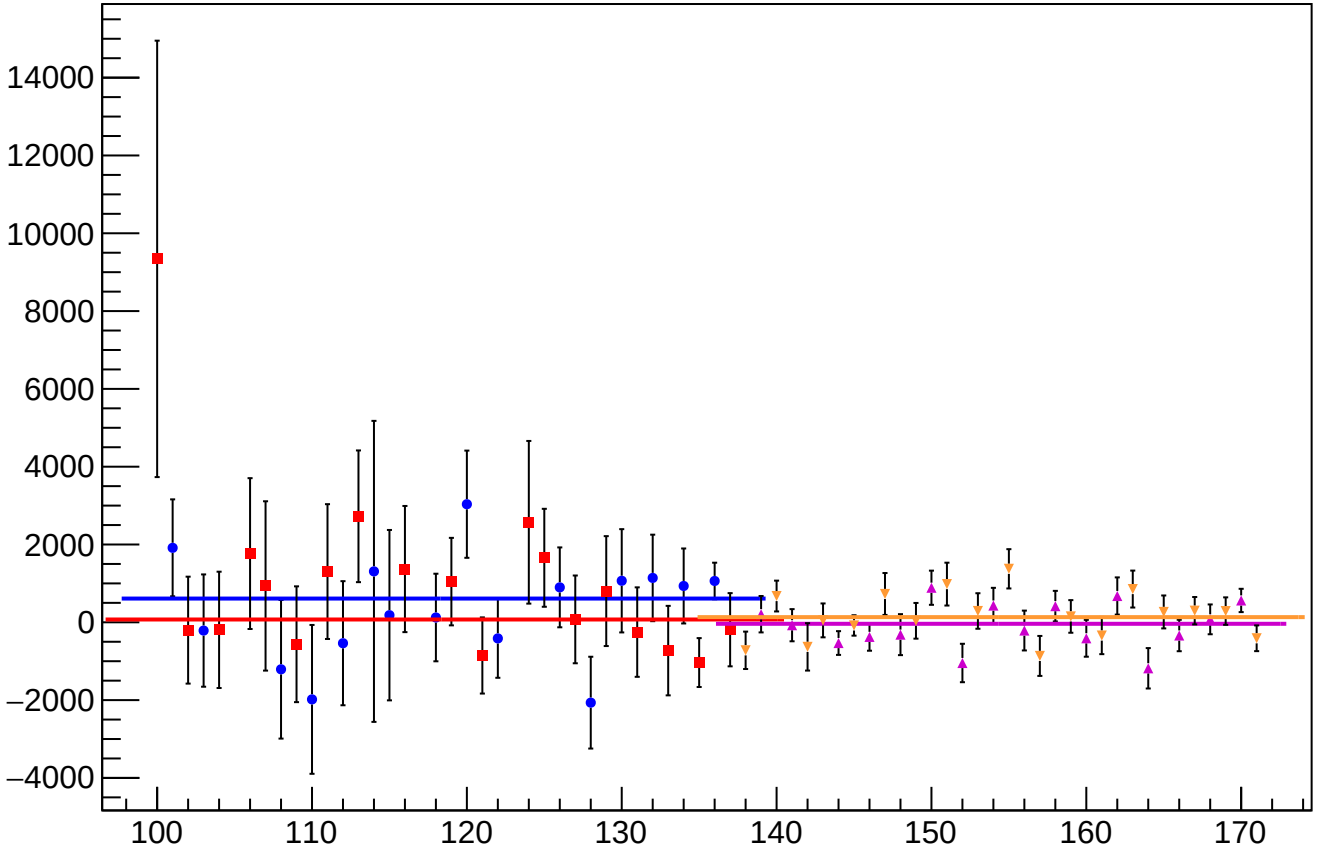
Left In: 64.110+/-0.013 χ^2/NDF:371949.0/15

+ sign 67.728+/-0.011 χ^2/NDF: 1713179.8/33

All: 68.235+/-0.008 χ^2/NDF: 3368846.9/68

- sign 68.783+/-0.011 χ^2/NDF: 1650887.1/34

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 133.000+/-98.746 χ^2/NDF:27.4/17

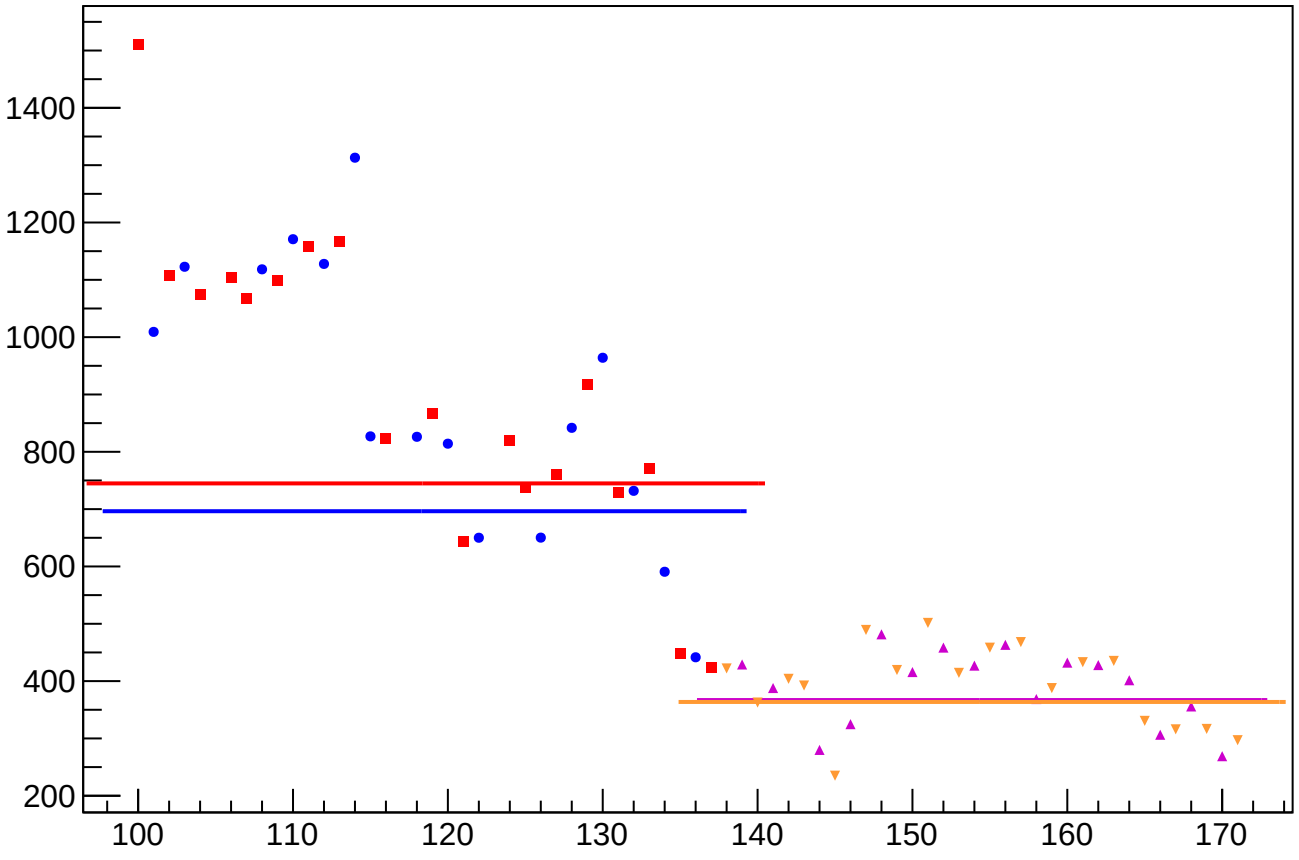
Right Out: 72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -38.308+/-103.310 χ^2/NDF:27.6/15

+ sign 187.882+/-92.897 χ^2/NDF: 45.9/33

All: 85.966+/-67.157 χ^2/NDF: 92.3/68

- sign -25.606+/-97.198 χ^2/NDF: 43.9/34



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 363.635+/-0.070 χ^2/NDF:1229626.5/17

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

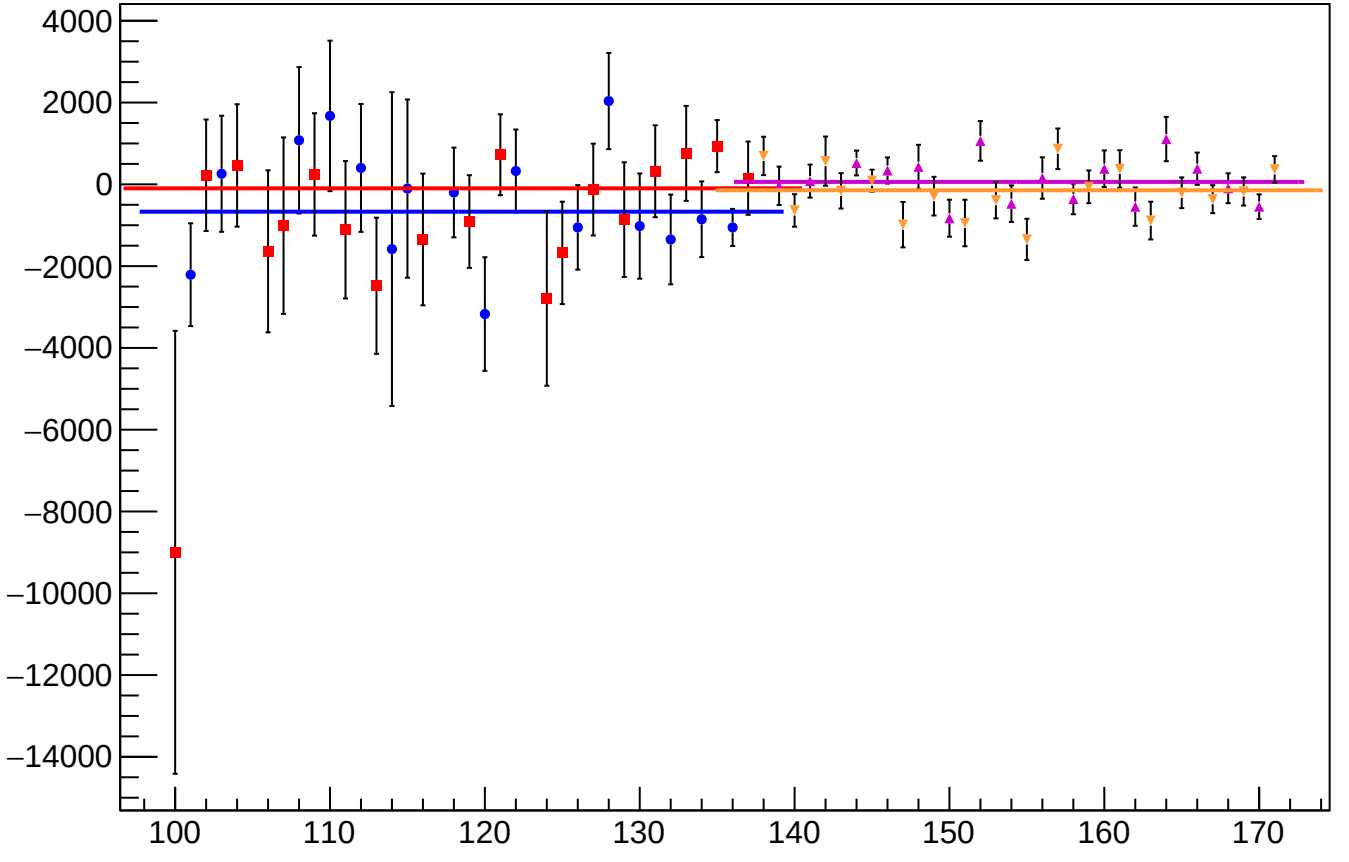
Left In: 366.949+/-0.073 χ^2/NDF:864403.7/15

+ sign 401.887+/-0.066 χ^2/NDF: 5355720.3/33

All: 405.926+/-0.047 χ^2/NDF: 10799785.4/68

- sign 410.347+/-0.069 χ^2/NDF: 5436147.6/34

asym_sam_15_26_dd_mean vs Slug



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -144.555+/-97.063 χ^2/NDF:28.3/17

Right Out: -98.003+/-285.882 χ^2/NDF: 14.8/18

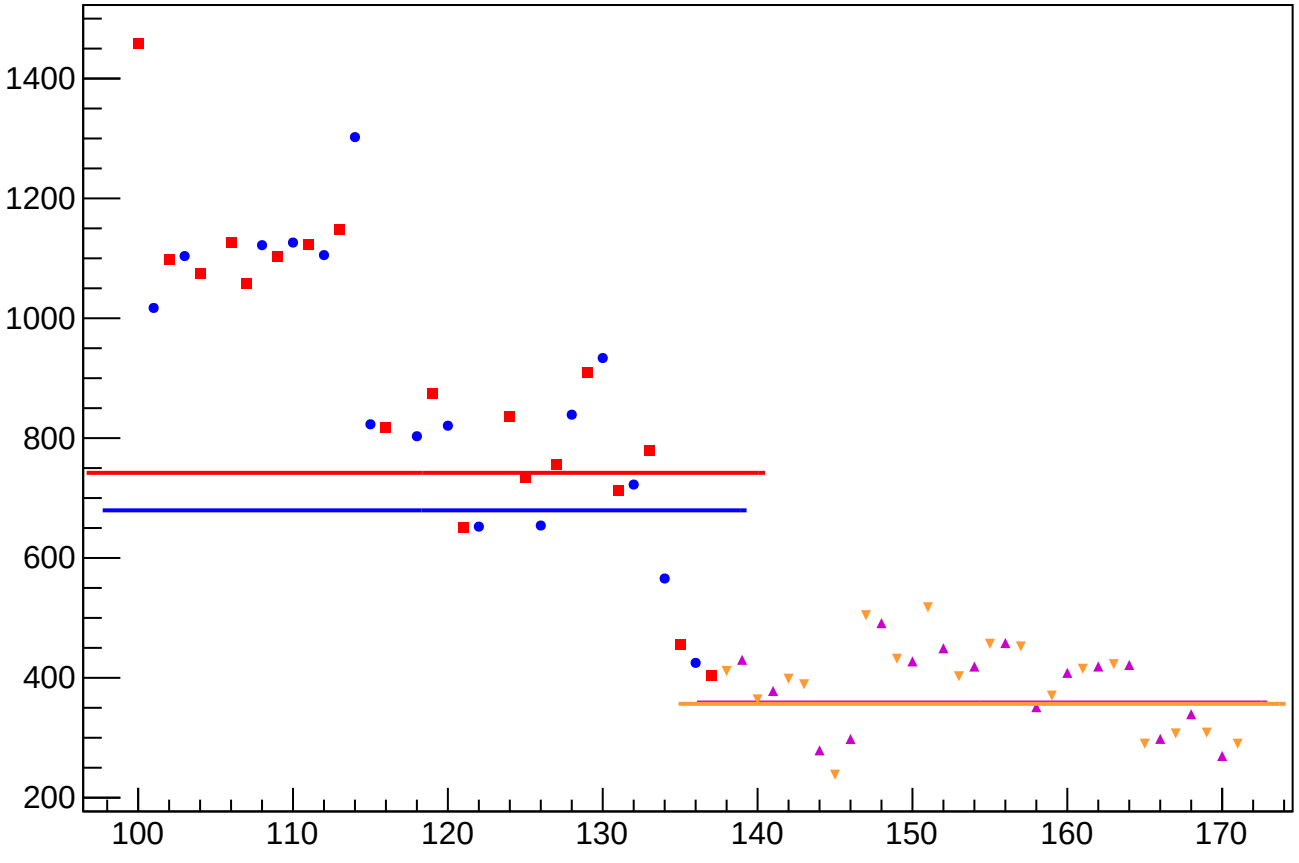
Left In: 60.103+/-101.033 χ^2/NDF:25.3/15

+ sign -205.130+/-91.279 χ^2/NDF: 47.8/33

All: -86.572+/-65.906 χ^2/NDF: 91.7/68

- sign 42.549+/-95.259 χ^2/NDF: 40.4/34

asym_sam_15_26_dd_rms vs Slug



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 356.656+/-0.069 χ^2/NDF:1270797.2/17

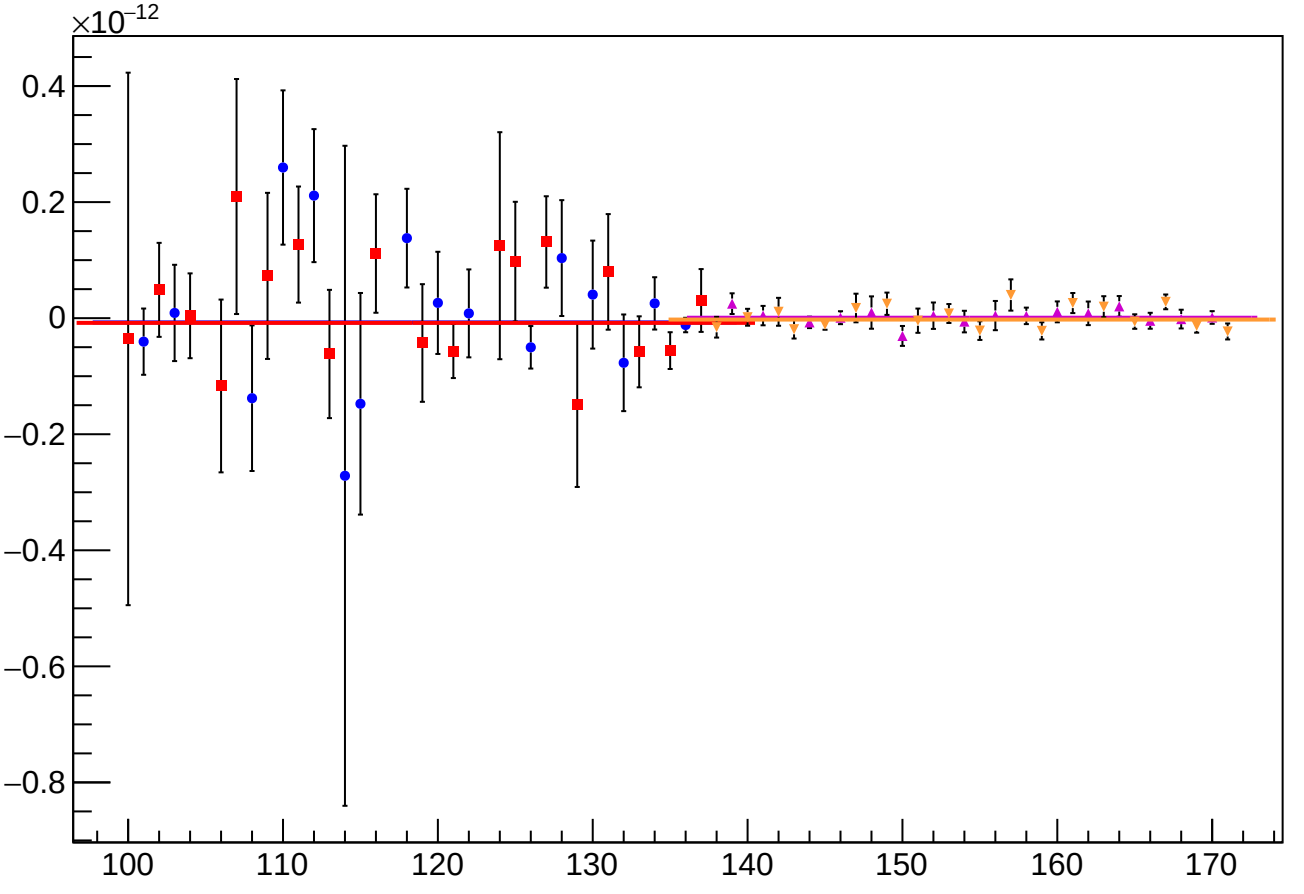
Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 358.854+/-0.071 χ^2/NDF:926267.8/15

+ sign 393.978+/-0.065 χ^2/NDF: 5429354.2/33

All: 397.532+/-0.047 χ^2/NDF: 11061238.8/68

- sign 401.404+/-0.067 χ^2/NDF: 5625548.2/34



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.8/17

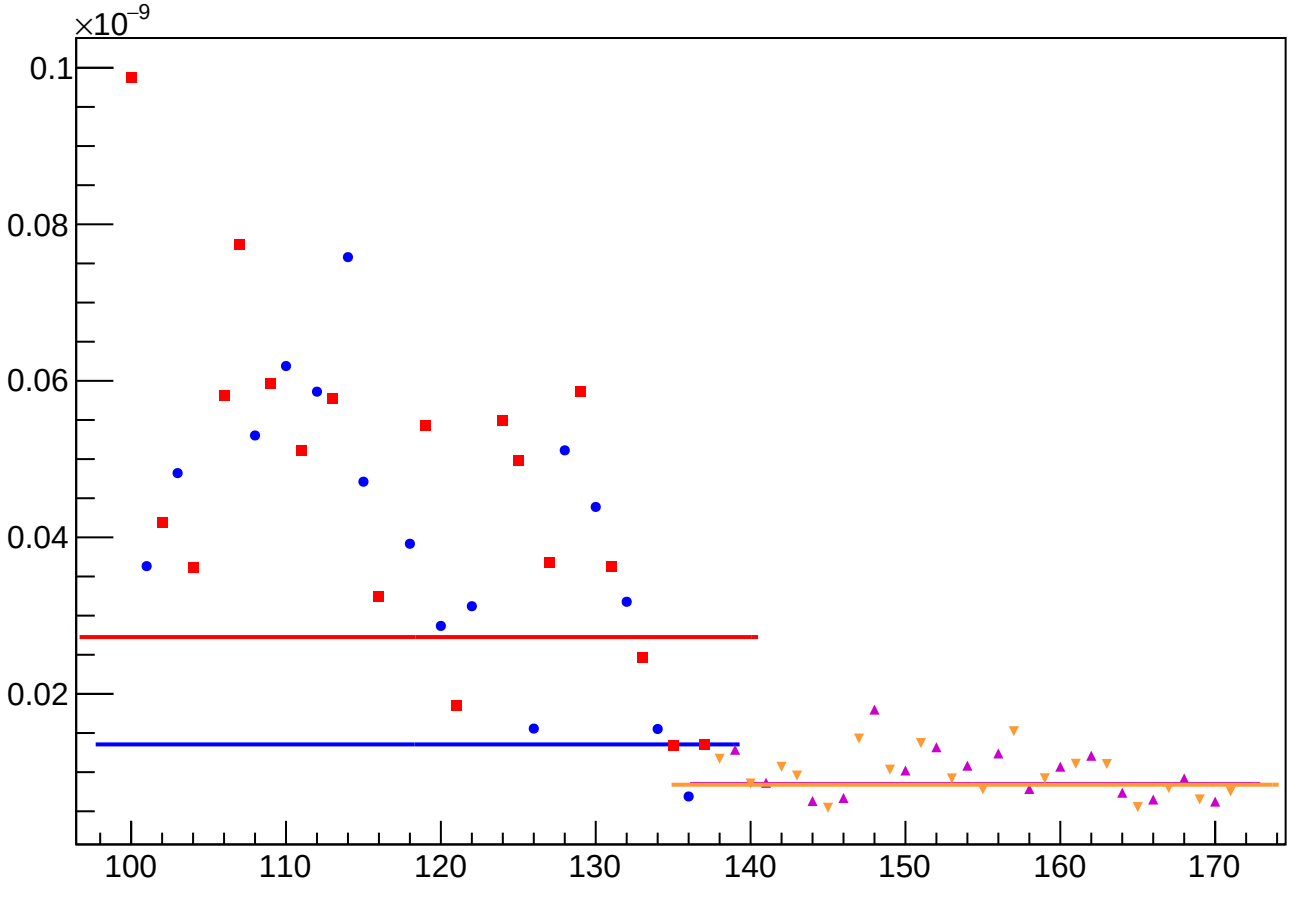
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/33

All: -0.000+/-0.000 χ^2/NDF: 68.0/68

- sign 0.000+/-0.000 χ^2/NDF: 25.3/34



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:984329.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

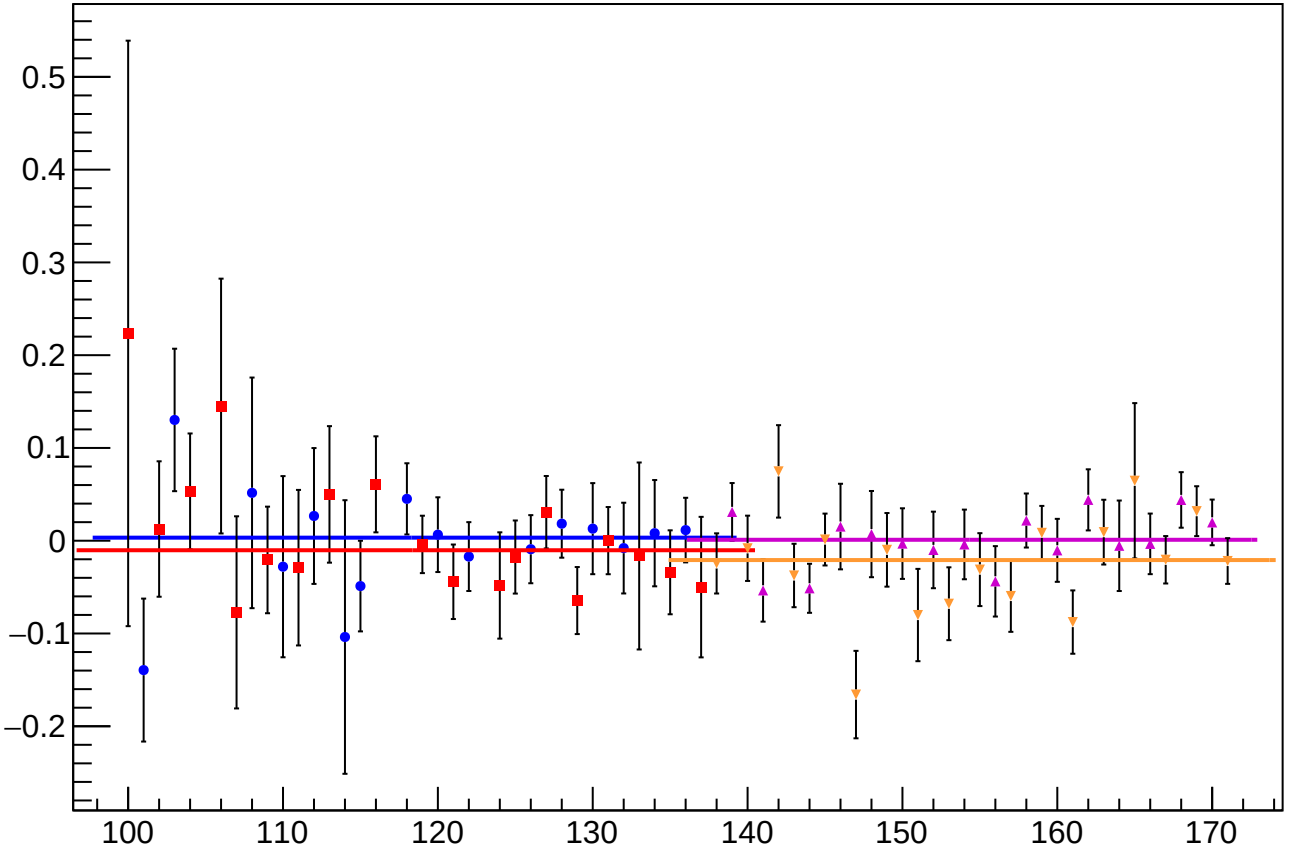
Left In: 0.000+/-0.000 χ^2/NDF:922489.9/15

+ sign 0.000+/-0.000 χ^2/NDF: 4463593.4/33

All: 0.000+/-0.000 χ^2/NDF: 9376738.0/68

- sign 0.000+/-0.000 χ^2/NDF: 4898196.6/34

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: -0.021+/-0.008 χ^2/NDF:28.6/17

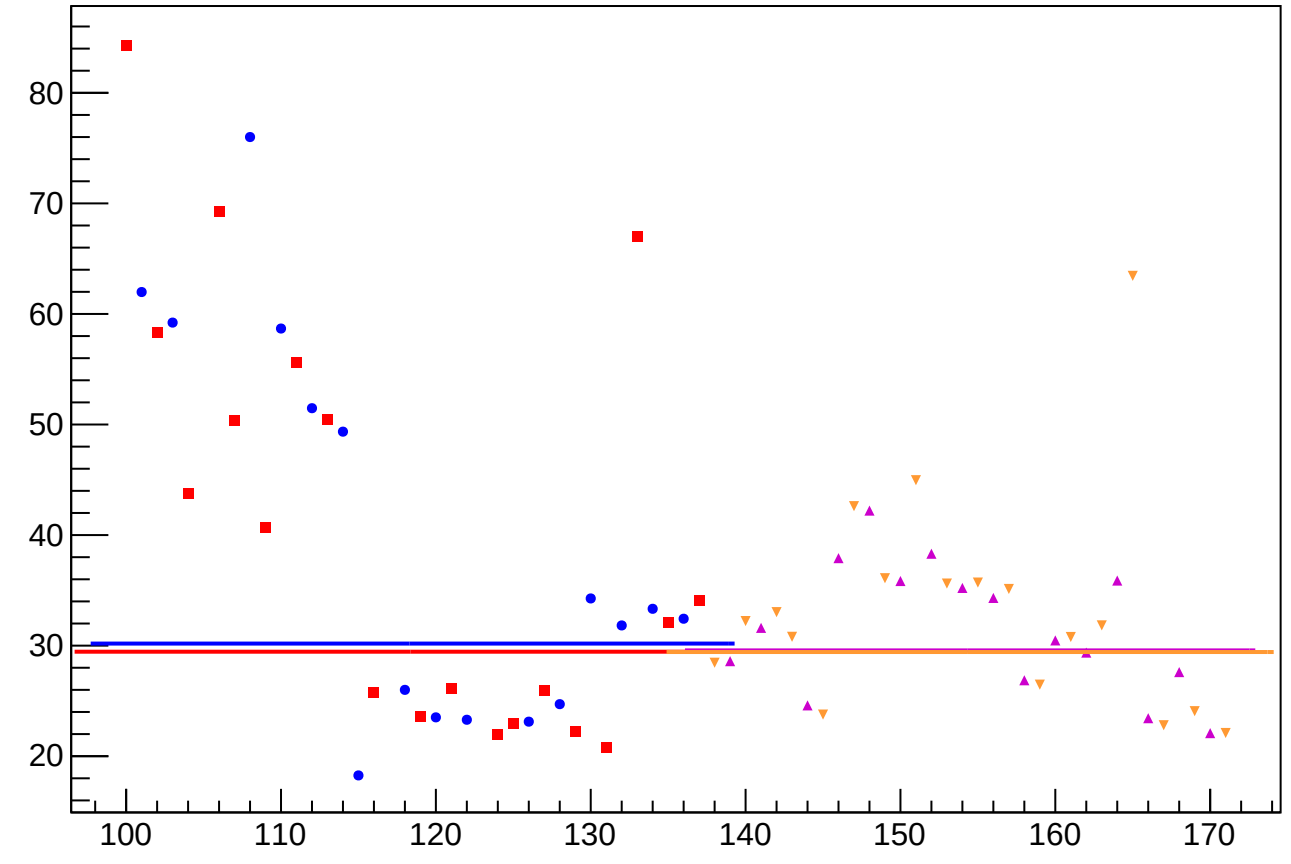
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:14.1/15

+ sign -0.014+/-0.007 χ^2/NDF: 41.5/33

All: -0.008+/-0.005 χ^2/NDF: 68.6/68

- sign -0.003+/-0.007 χ^2/NDF: 25.9/34



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

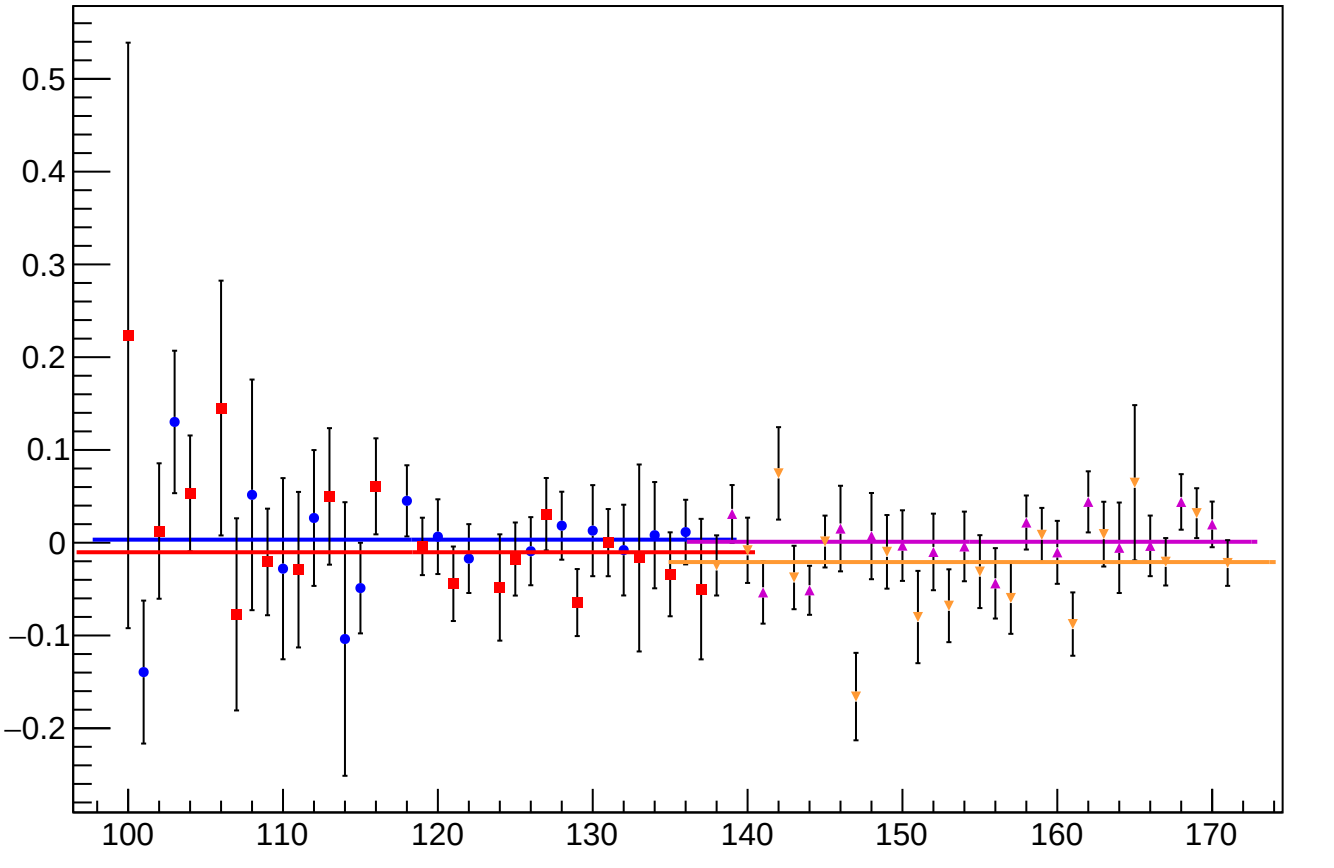
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

+ sign 29.653+/-0.005 χ^2/NDF: 3109597.8/33

All: 29.592+/-0.003 χ^2/NDF: 5789402.7/68

- sign 29.529+/-0.005 χ^2/NDF: 2679472.6/34



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

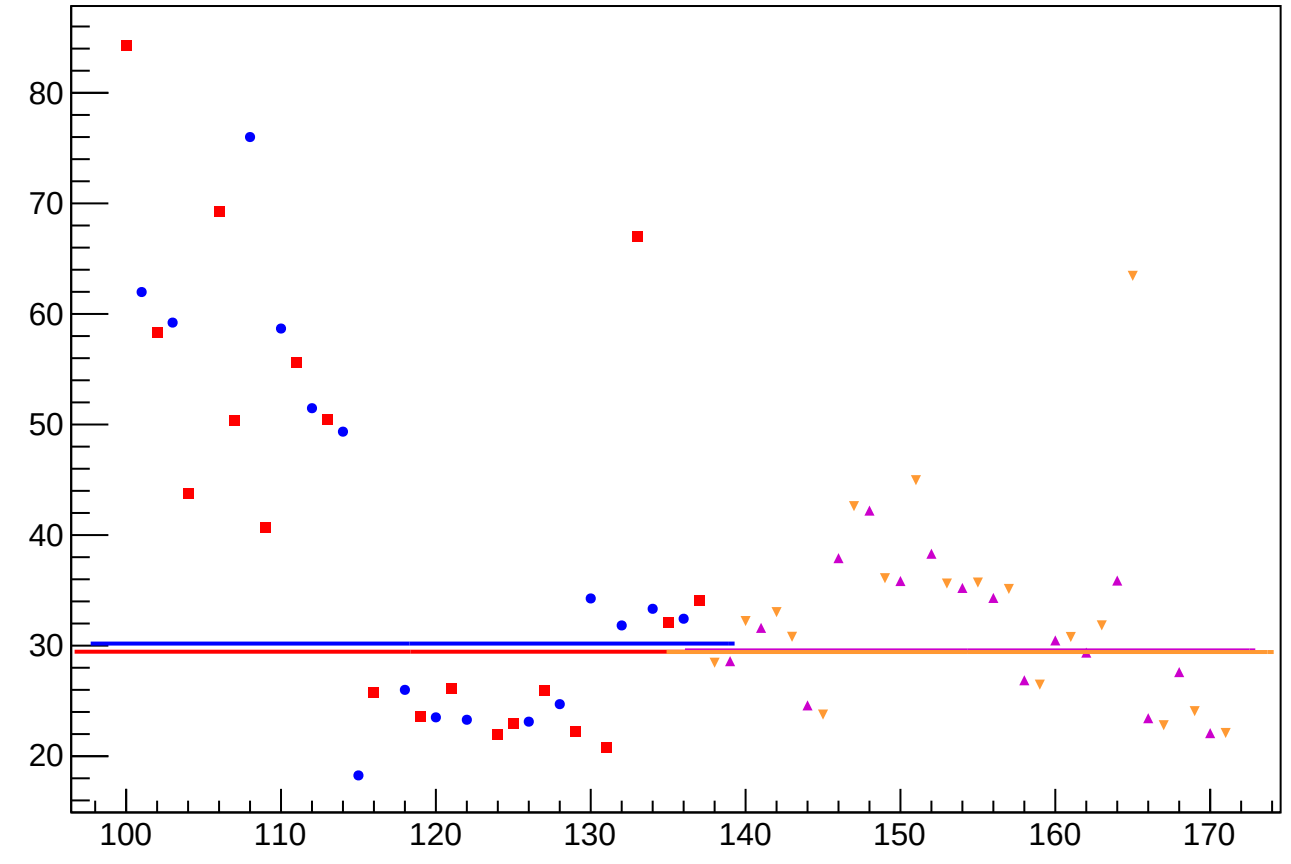
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:14.1/15

+ sign -0.014+/-0.007 χ^2/NDF: 41.5/33

All: -0.008+/-0.005 χ^2/NDF: 68.6/68

- sign -0.003+/-0.007 χ^2/NDF: 25.9/34



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

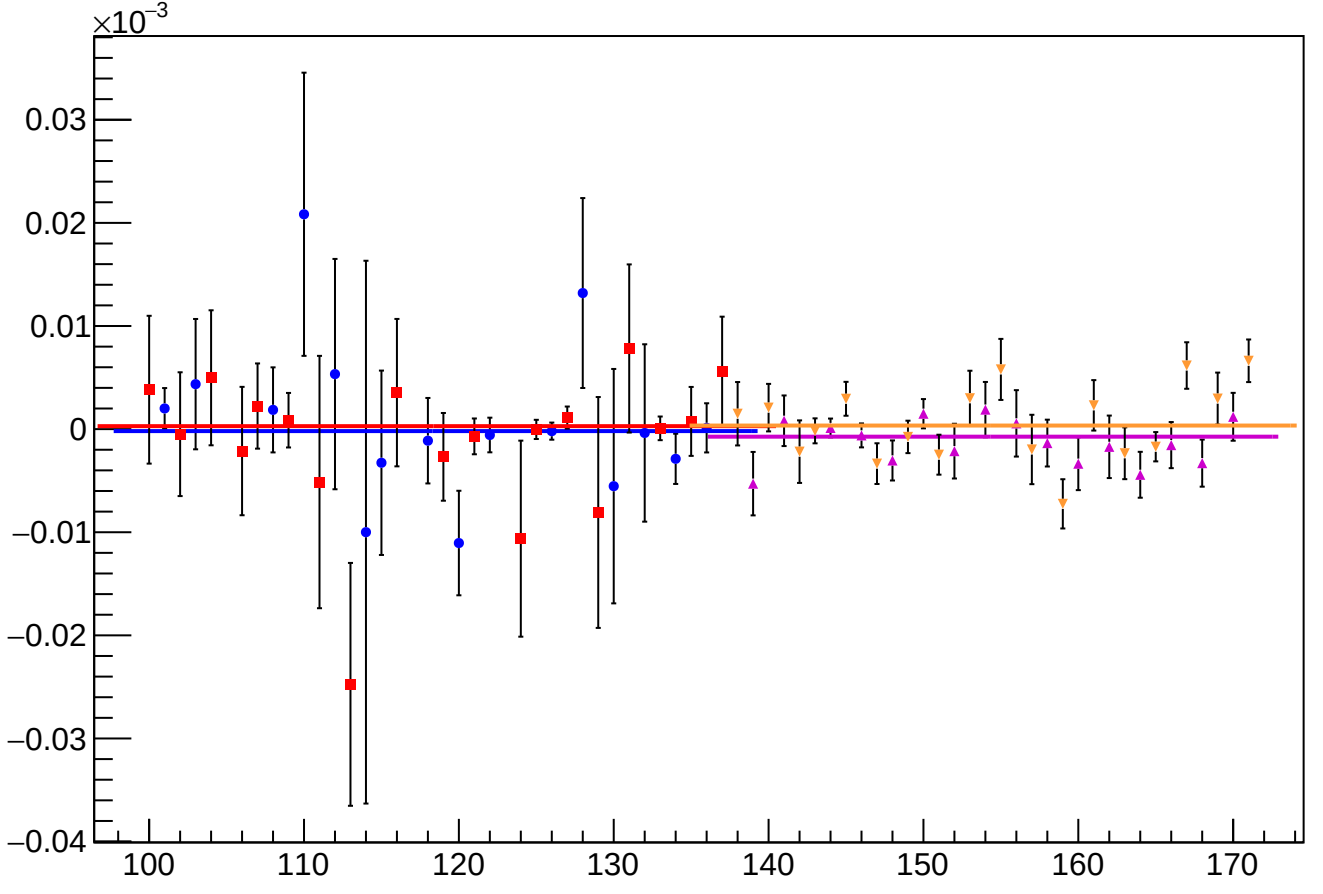
Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

+ sign 29.653+/-0.005 χ^2/NDF: 3109597.8/33

All: 29.592+/-0.003 χ^2/NDF: 5789402.7/68

- sign 29.529+/-0.005 χ^2/NDF: 2679472.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/17

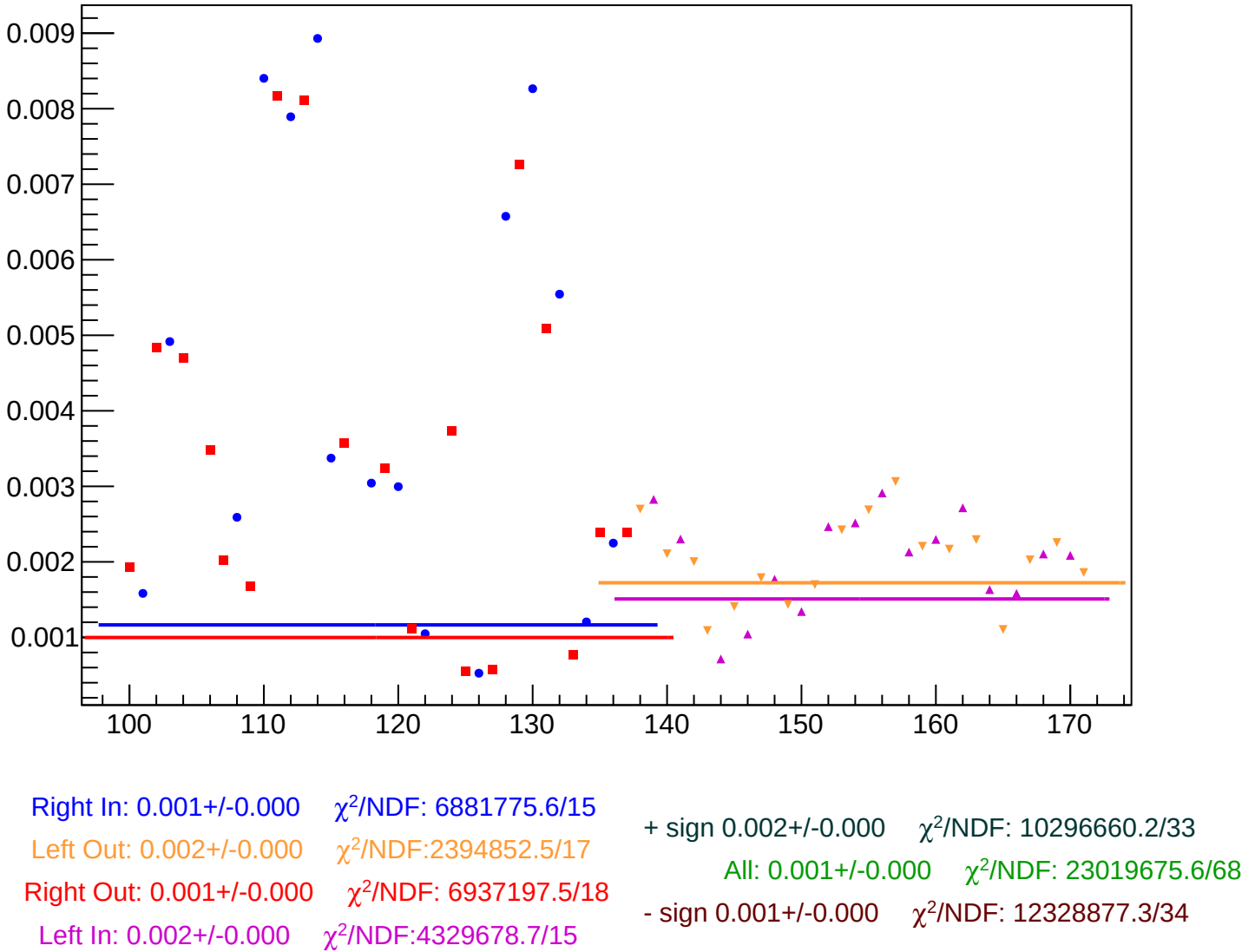
Right Out: 0.000+/-0.000 χ^2/NDF: 11.4/18

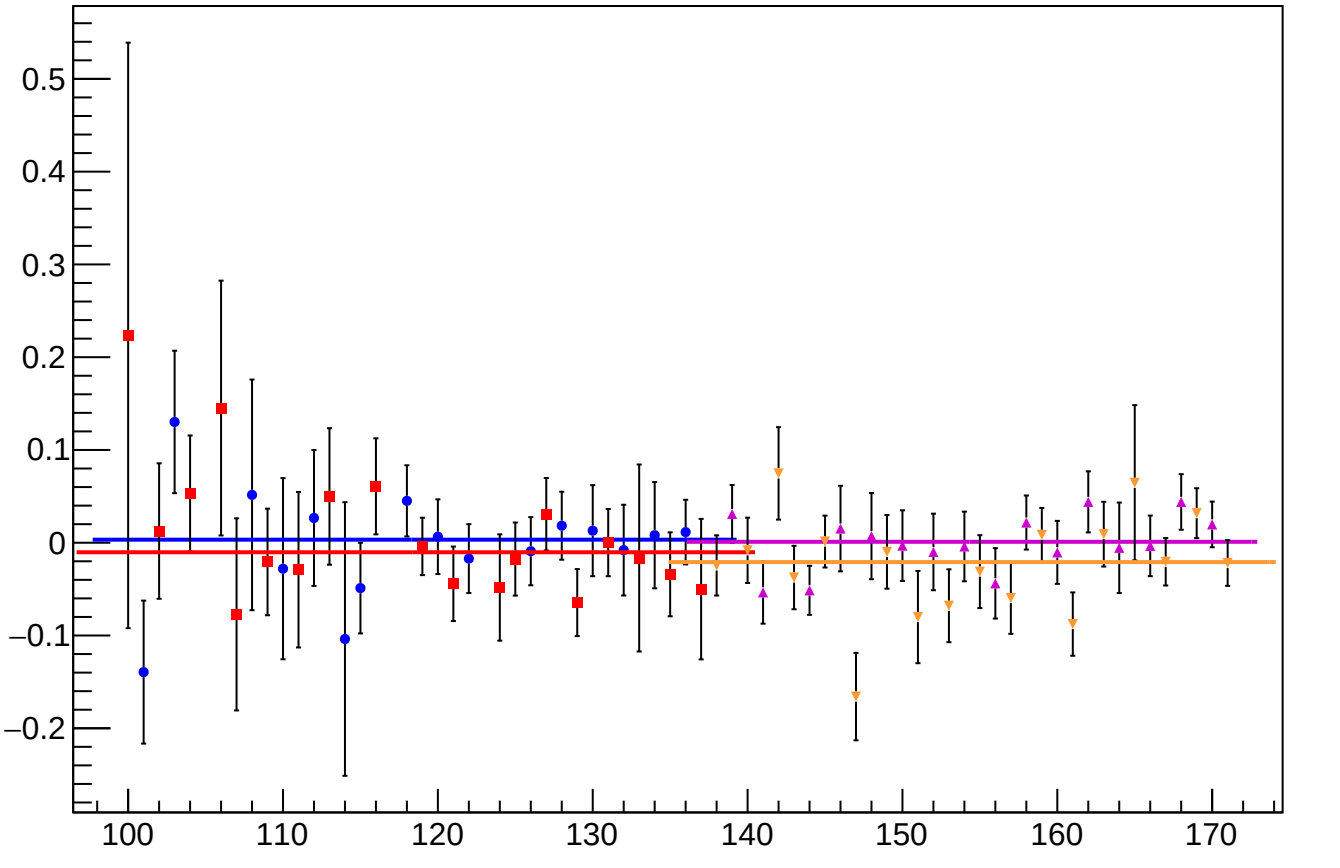
Left In: -0.000+/-0.000 χ^2/NDF:14.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/33

All: -0.000+/-0.000 χ^2/NDF: 88.6/68

- sign -0.000+/-0.000 χ^2/NDF: 28.4/34


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
170
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2394852.5/17
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:4329678.7/15
+ sign 0.002+/-0.000 χ²/NDF: 10296660.2/33
All: 0.001+/-0.000 χ²/NDF: 23019675.6/68
- sign 0.001+/-0.000 χ²/NDF: 12328877.3/34



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

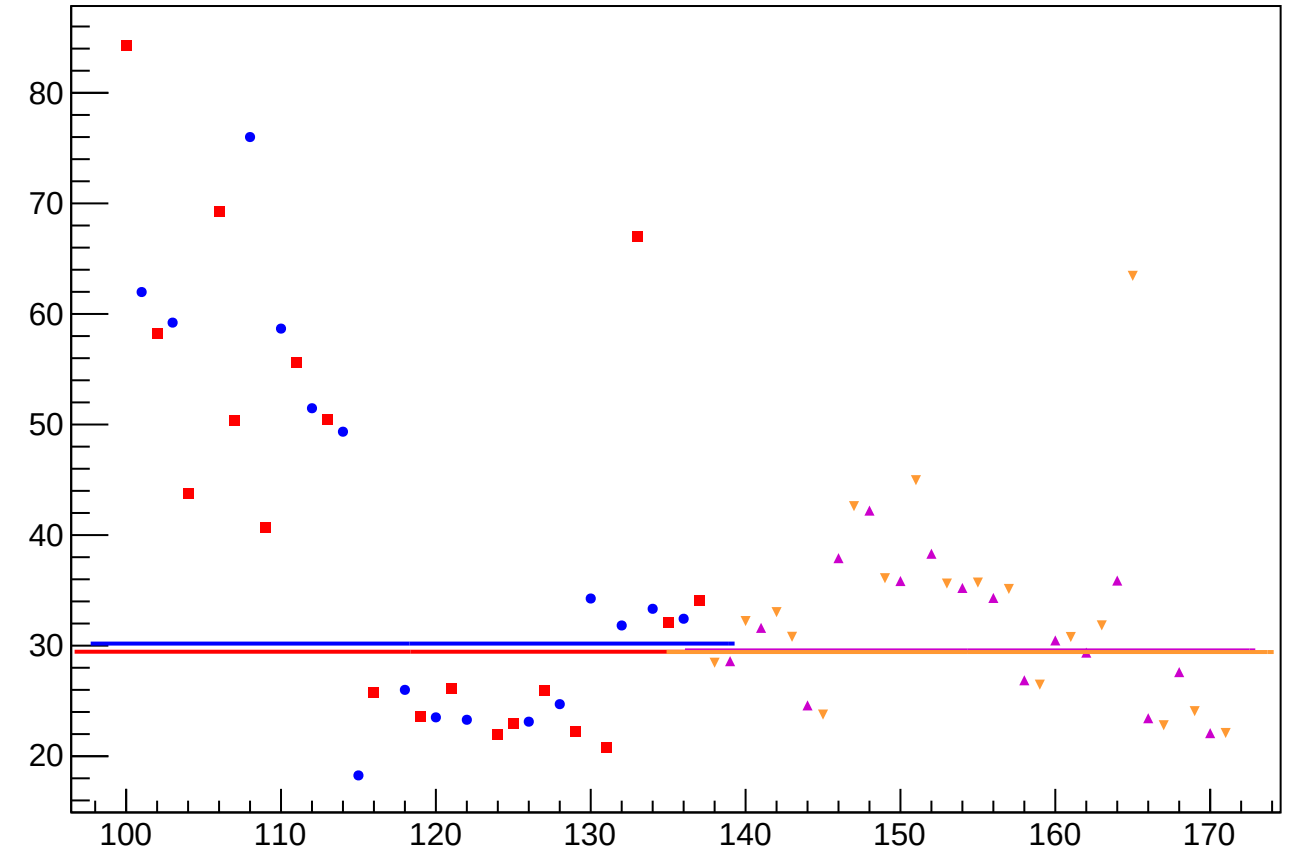
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:14.1/15

+ sign -0.014+/-0.007 χ^2/NDF: 41.5/33

All: -0.008+/-0.005 χ^2/NDF: 68.6/68

- sign -0.003+/-0.007 χ^2/NDF: 25.9/34



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416806.5/17

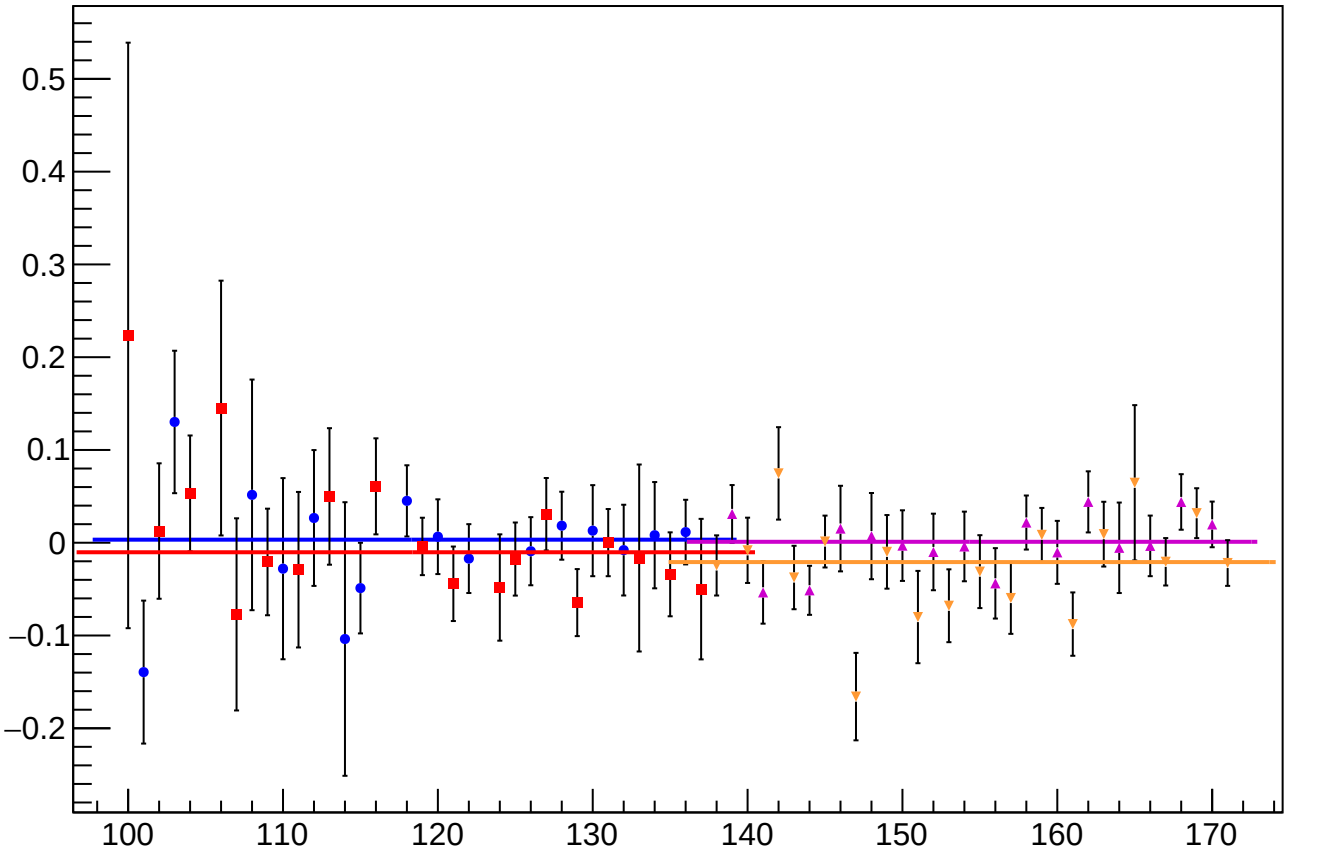
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.569+/-0.006 χ^2/NDF:830687.4/15

+ sign 29.654+/-0.005 χ^2/NDF: 3109396.5/33

All: 29.593+/-0.003 χ^2/NDF: 5789182.7/68

- sign 29.529+/-0.005 χ^2/NDF: 2679452.9/34



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

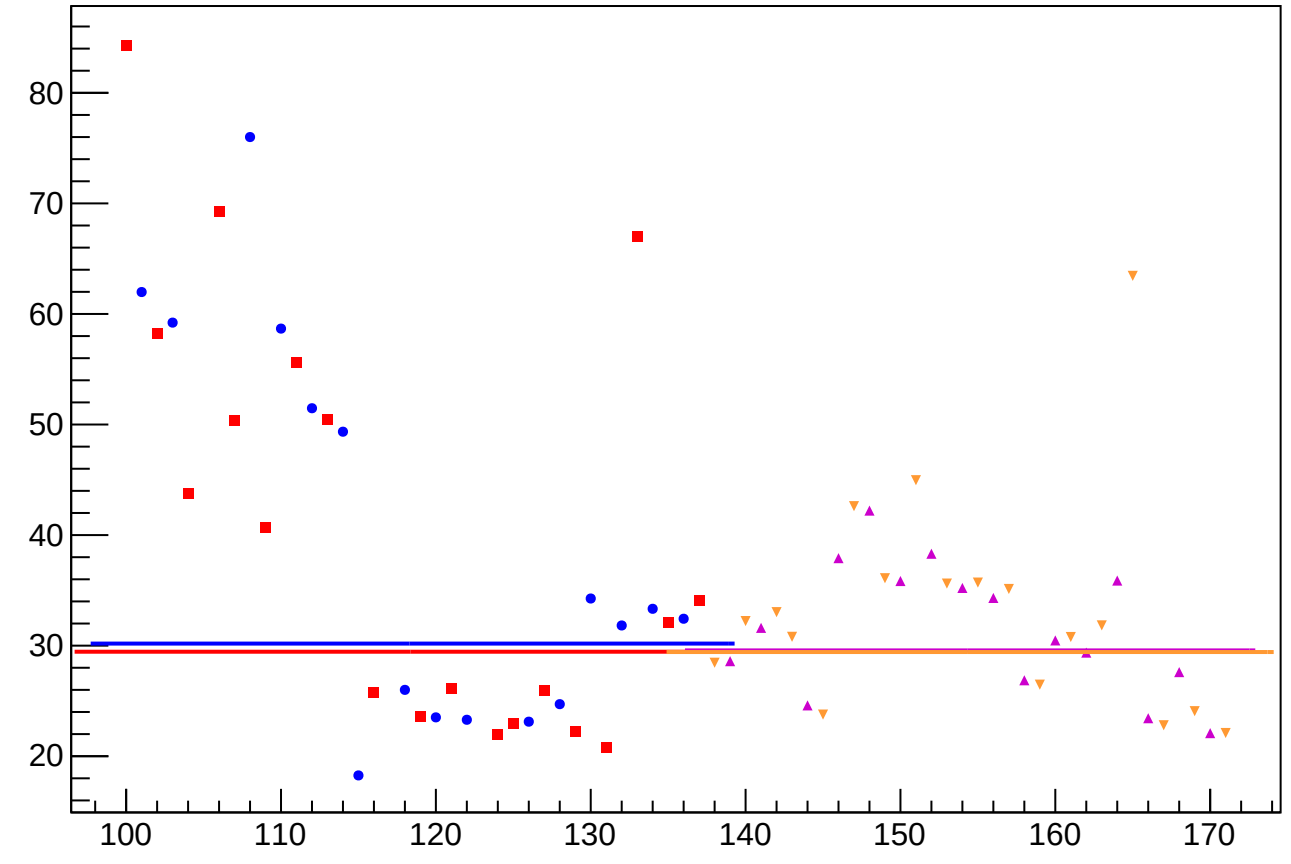
Right Out: -0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.001+/-0.008 χ^2/NDF:14.1/15

+ sign -0.014+/-0.007 χ^2/NDF: 41.5/33

All: -0.008+/-0.005 χ^2/NDF: 68.6/68

- sign -0.003+/-0.007 χ^2/NDF: 25.9/34



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416806.5/17

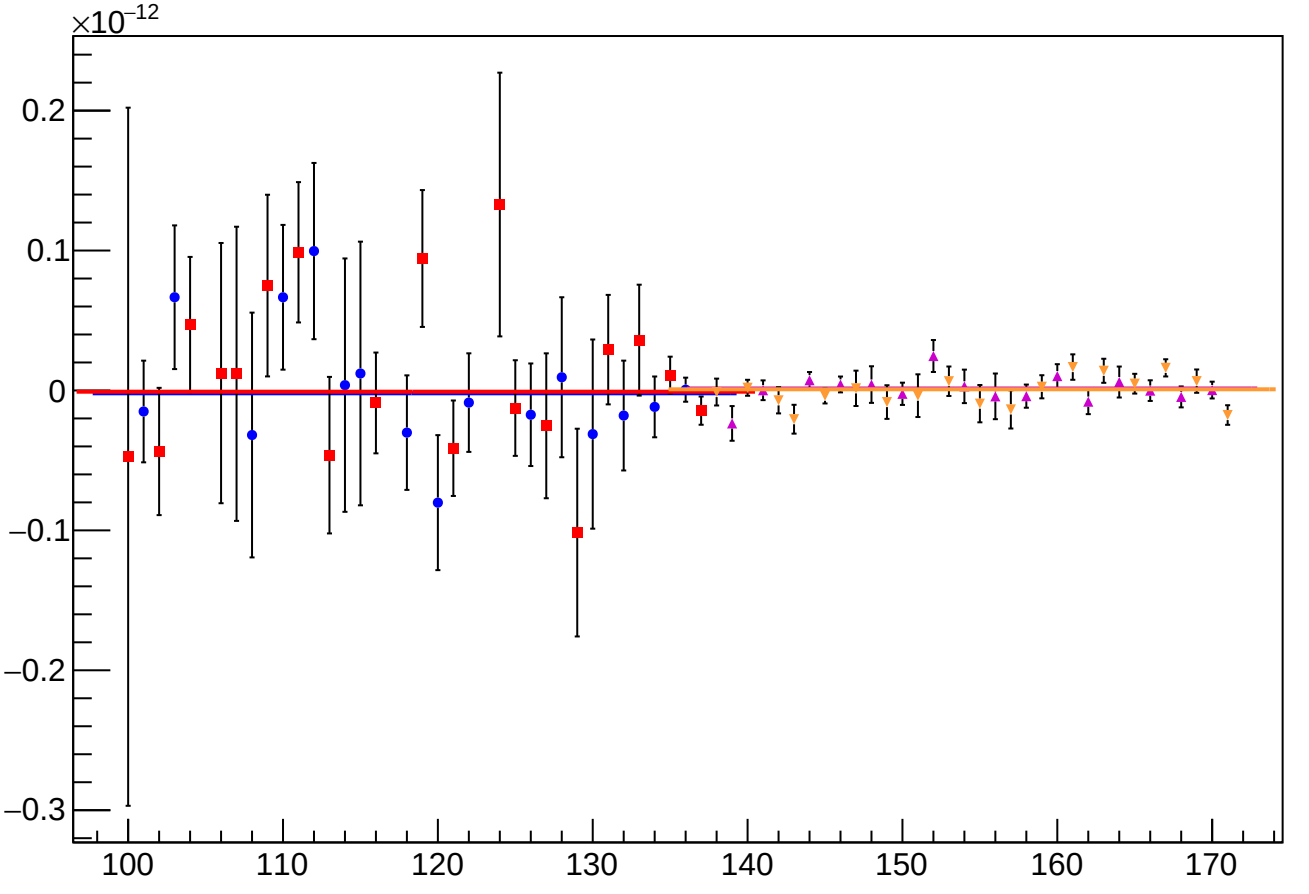
Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.569+/-0.006 χ^2/NDF:830687.4/15

+ sign 29.654+/-0.005 χ^2/NDF: 3109396.5/33

All: 29.593+/-0.003 χ^2/NDF: 5789182.7/68

- sign 29.529+/-0.005 χ^2/NDF: 2679452.9/34



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/17

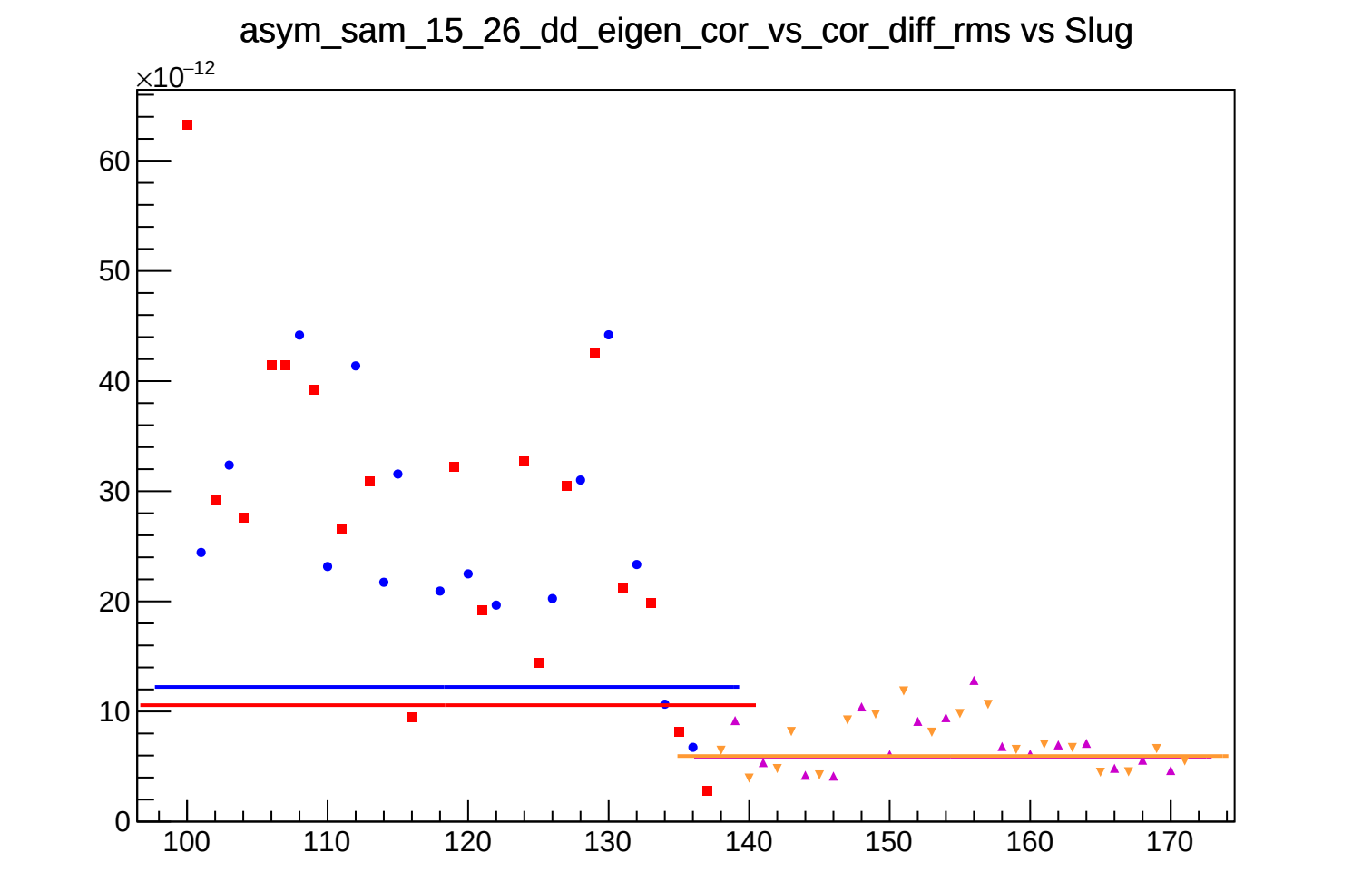
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/15

+ sign 0.000+/-0.000 χ^2/NDF: 38.4/33

All: 0.000+/-0.000 χ^2/NDF: 73.4/68

- sign 0.000+/-0.000 χ^2/NDF: 34.9/34



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1961522.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

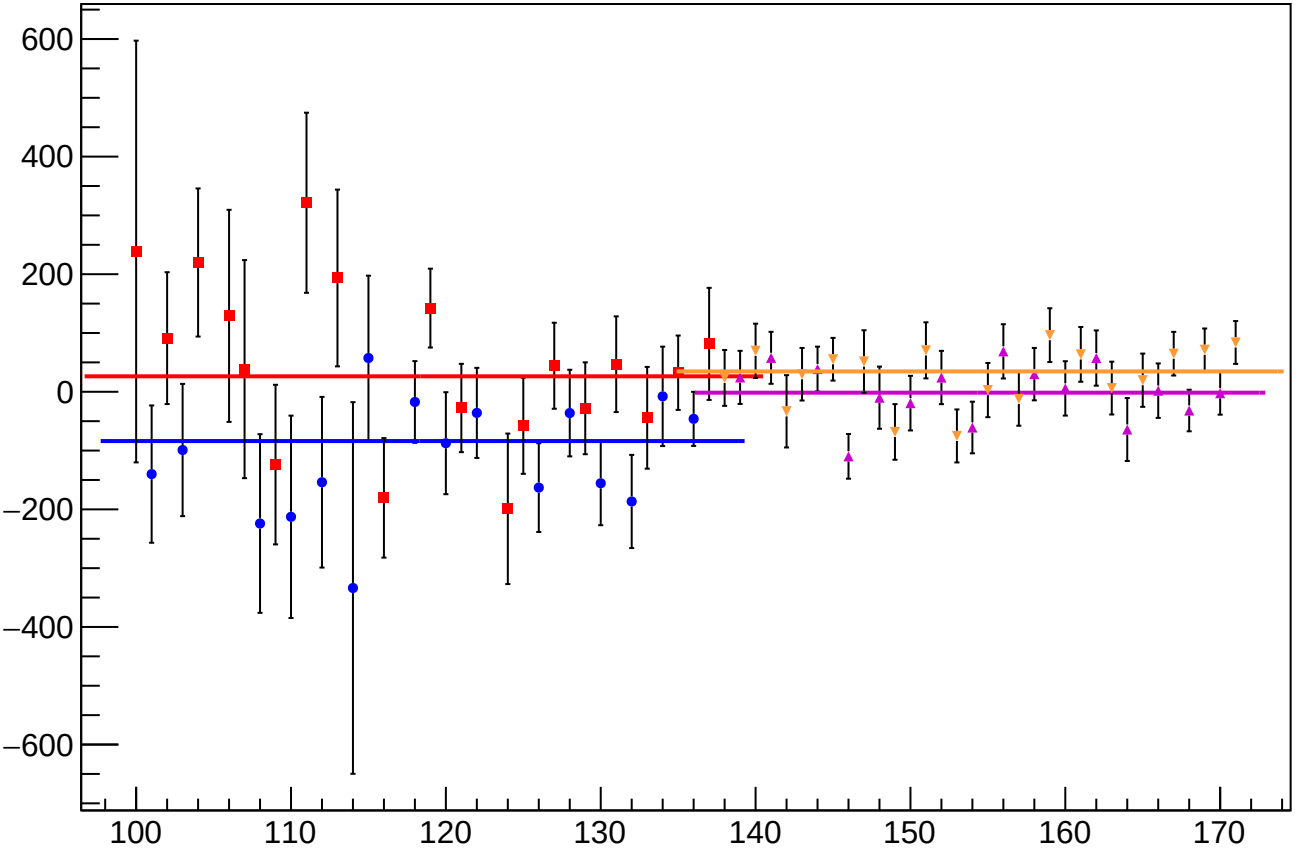
Left In: 0.000+/-0.000 χ^2/NDF:1655421.8/15

+ sign 0.000+/-0.000 χ^2/NDF: 6960497.4/33

All: 0.000+/-0.000 χ^2/NDF: 14308418.0/68

- sign 0.000+/-0.000 χ^2/NDF: 7339761.9/34

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 34.632+/-10.379 χ^2/NDF:21.3/17

Right Out: 26.301+/-22.067 χ^2/NDF: 23.0/18

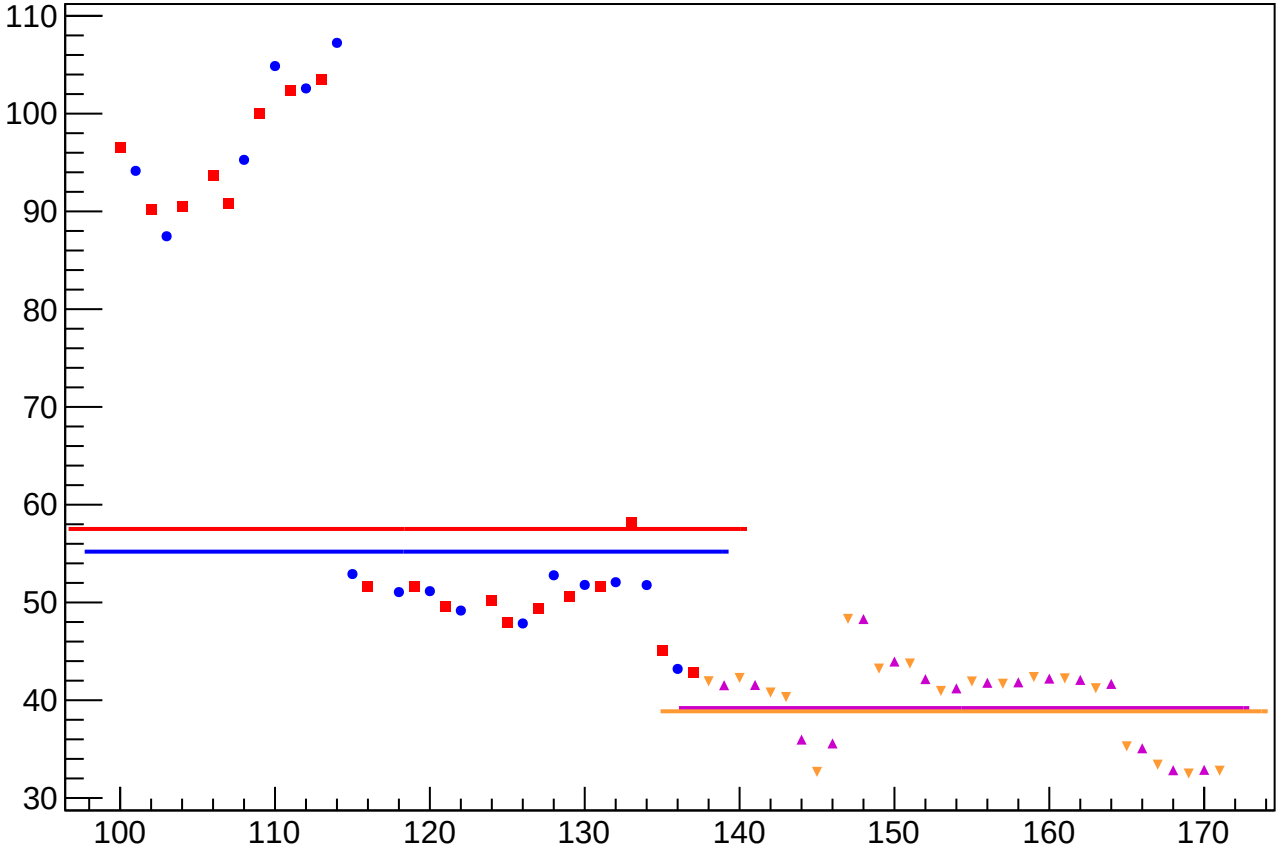
Left In: -1.513+/-10.868 χ^2/NDF:20.2/15

+ sign 12.135+/-9.342 χ^2/NDF: 56.5/33

All: 8.201+/-6.745 χ^2/NDF: 101.4/68

- sign 3.917+/-9.750 χ^2/NDF: 44.5/34

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.867+/-0.007 χ^2/NDF:404569.7/17

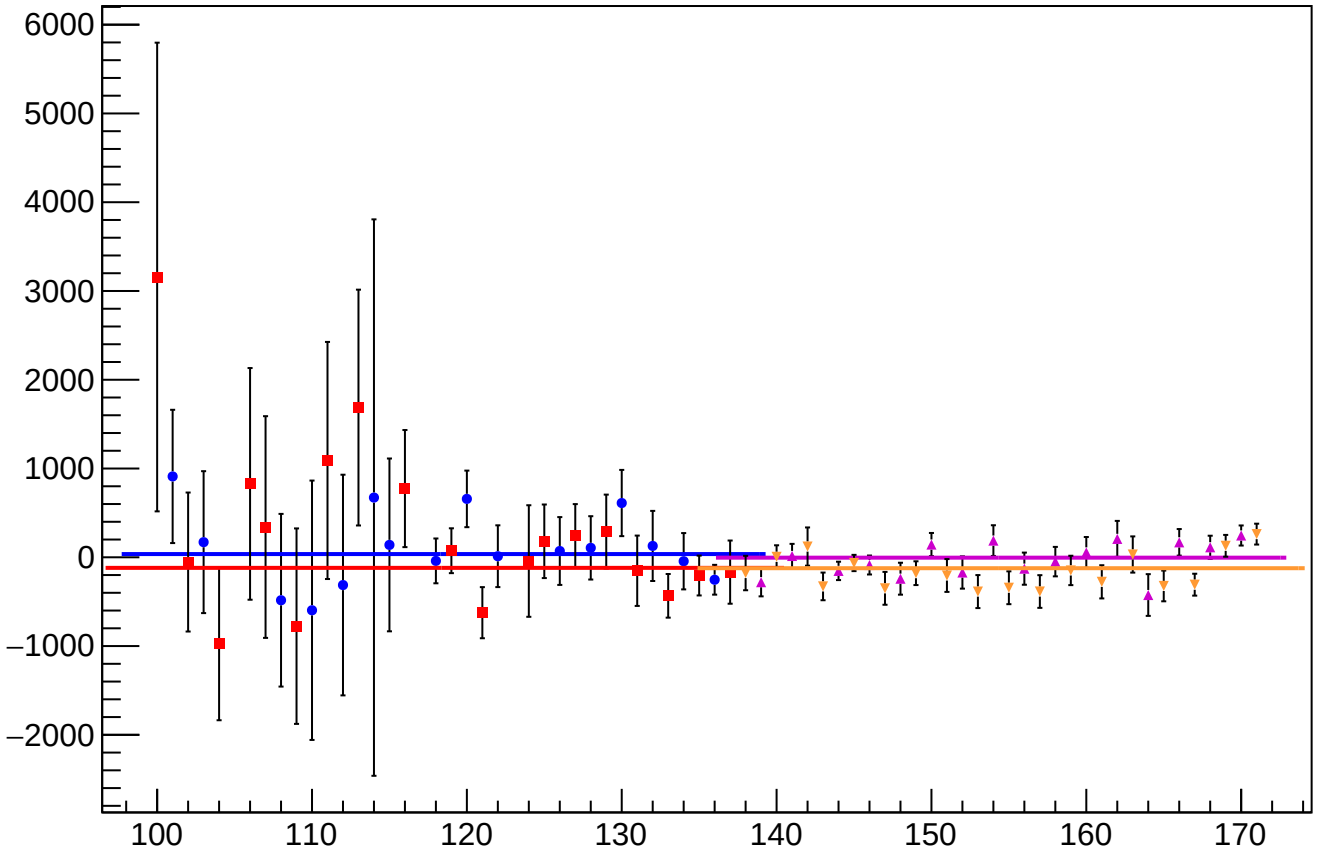
Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

+ sign 41.969+/-0.007 χ^2/NDF: 2497560.7/33

All: 42.355+/-0.005 χ^2/NDF: 5206278.0/68

- sign 42.774+/-0.007 χ^2/NDF: 2701606.0/34



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.961+/-35.434 χ^2/NDF:31.6/17

Right Out: -119.166+/-95.833 χ^2/NDF: 16.0/18

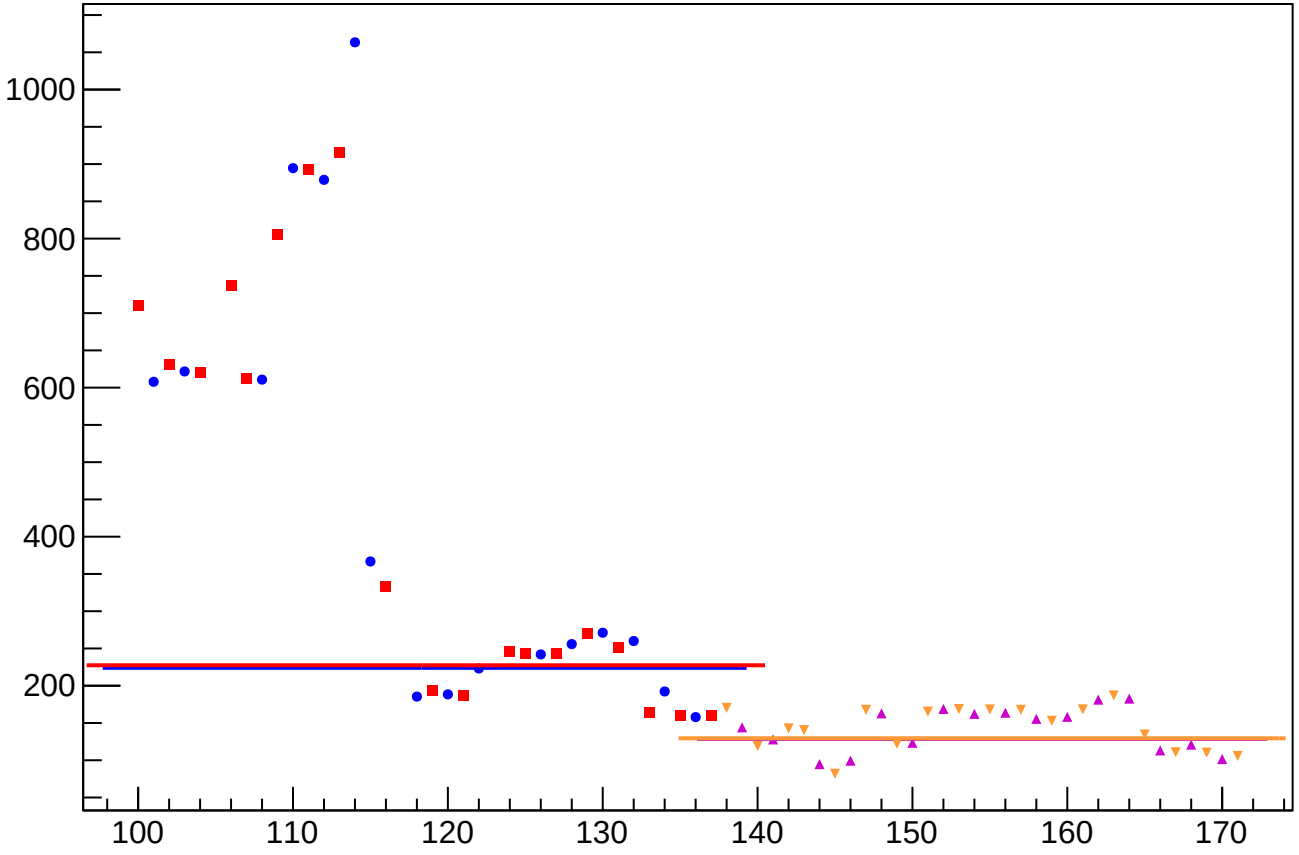
Left In: -4.292+/-36.481 χ^2/NDF:22.7/15

+ sign -102.981+/-33.137 χ^2/NDF: 45.5/33

All: -62.104+/-23.763 χ^2/NDF: 88.6/68

- sign -18.832+/-34.094 χ^2/NDF: 40.0/34

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550259.9/17

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

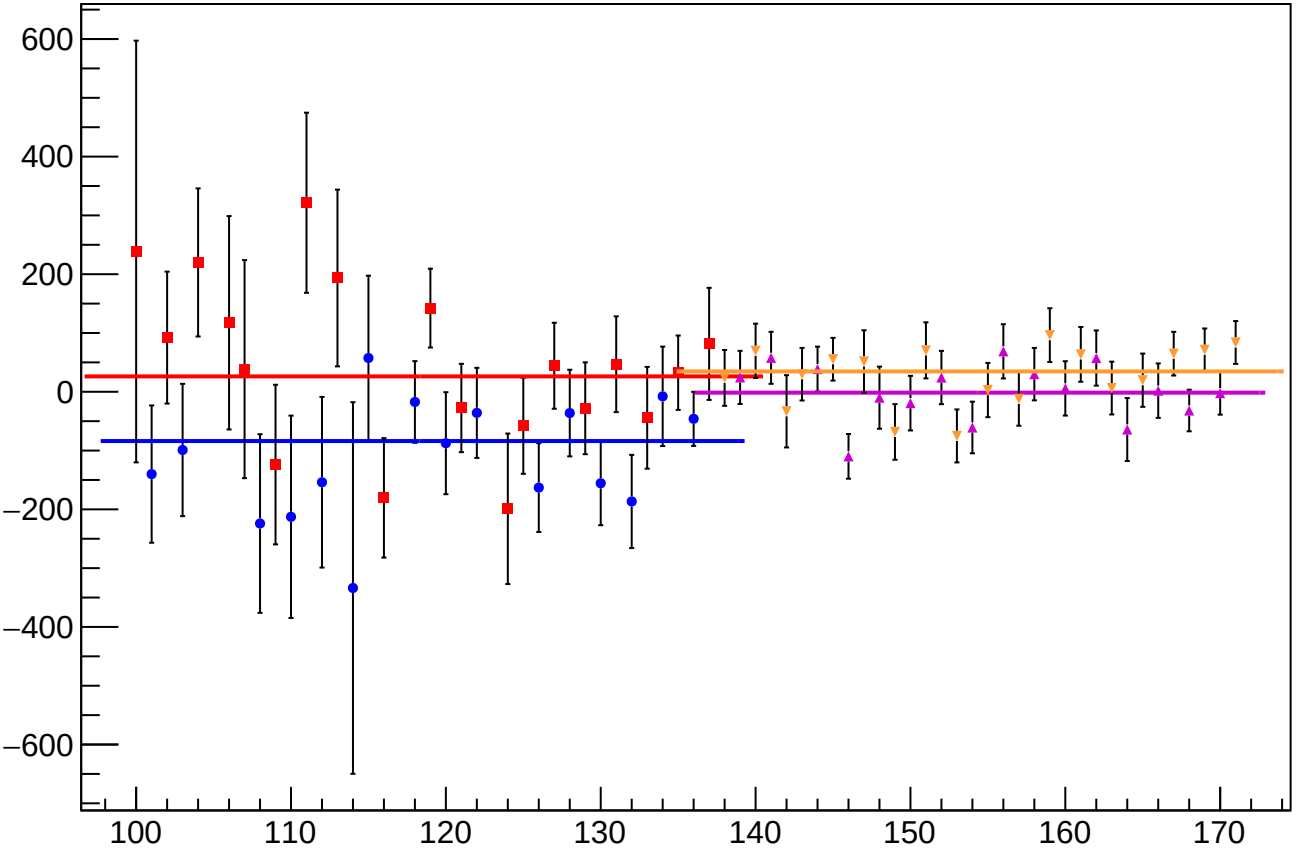
Left In: 128.657+/-0.026 χ^2/NDF:1201053.3/15

+ sign 141.309+/-0.023 χ^2/NDF: 6306403.3/33

All: 141.237+/-0.017 χ^2/NDF: 13004564.5/68

- sign 141.161+/-0.024 χ^2/NDF: 6698141.9/34

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 34.633+/-10.379 χ^2/NDF:21.3/17

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

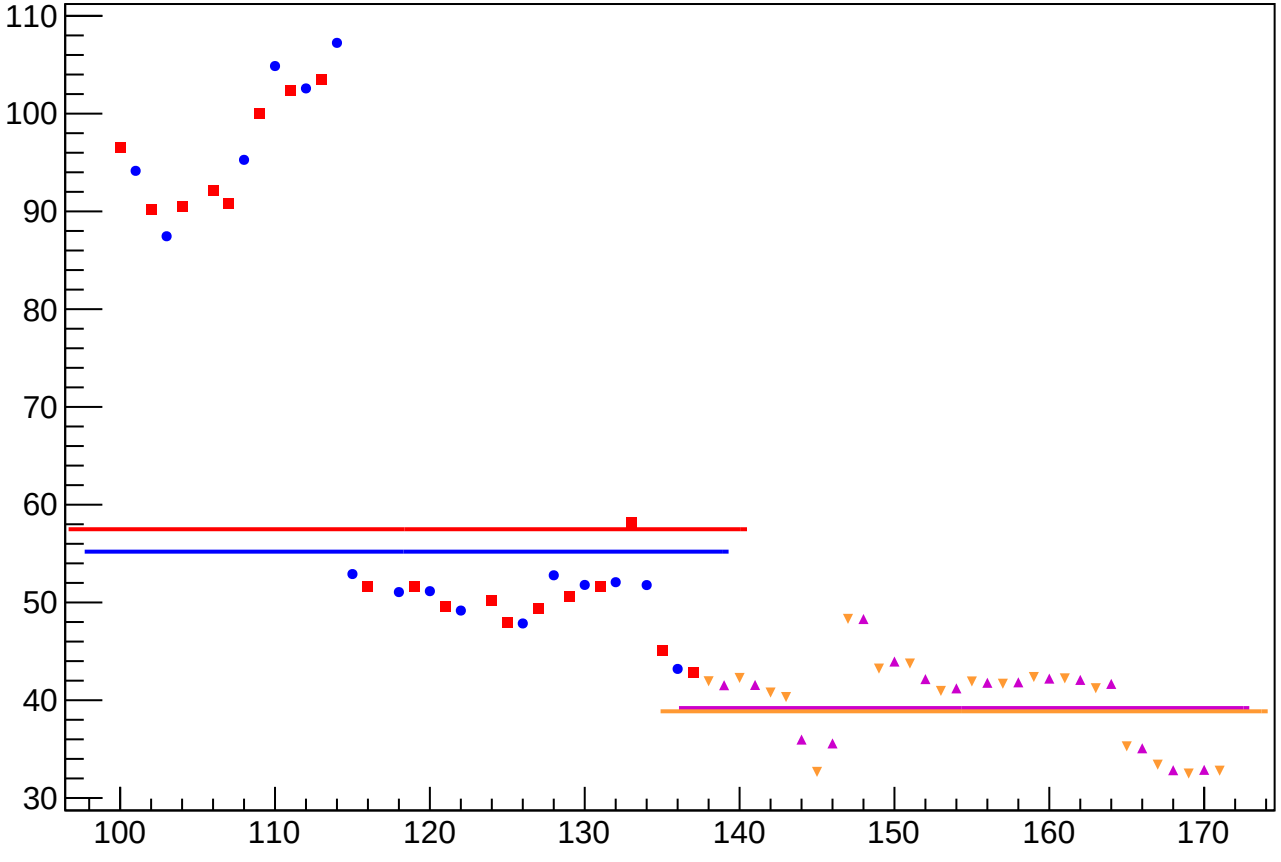
Left In: -1.512+/-10.868 χ^2/NDF:20.2/15

+ sign 12.136+/-9.342 χ^2/NDF: 56.5/33

All: 8.187+/-6.745 χ^2/NDF: 101.3/68

- sign 3.885+/-9.750 χ^2/NDF: 44.4/34

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.867+/-0.007 χ^2/NDF:404569.7/17

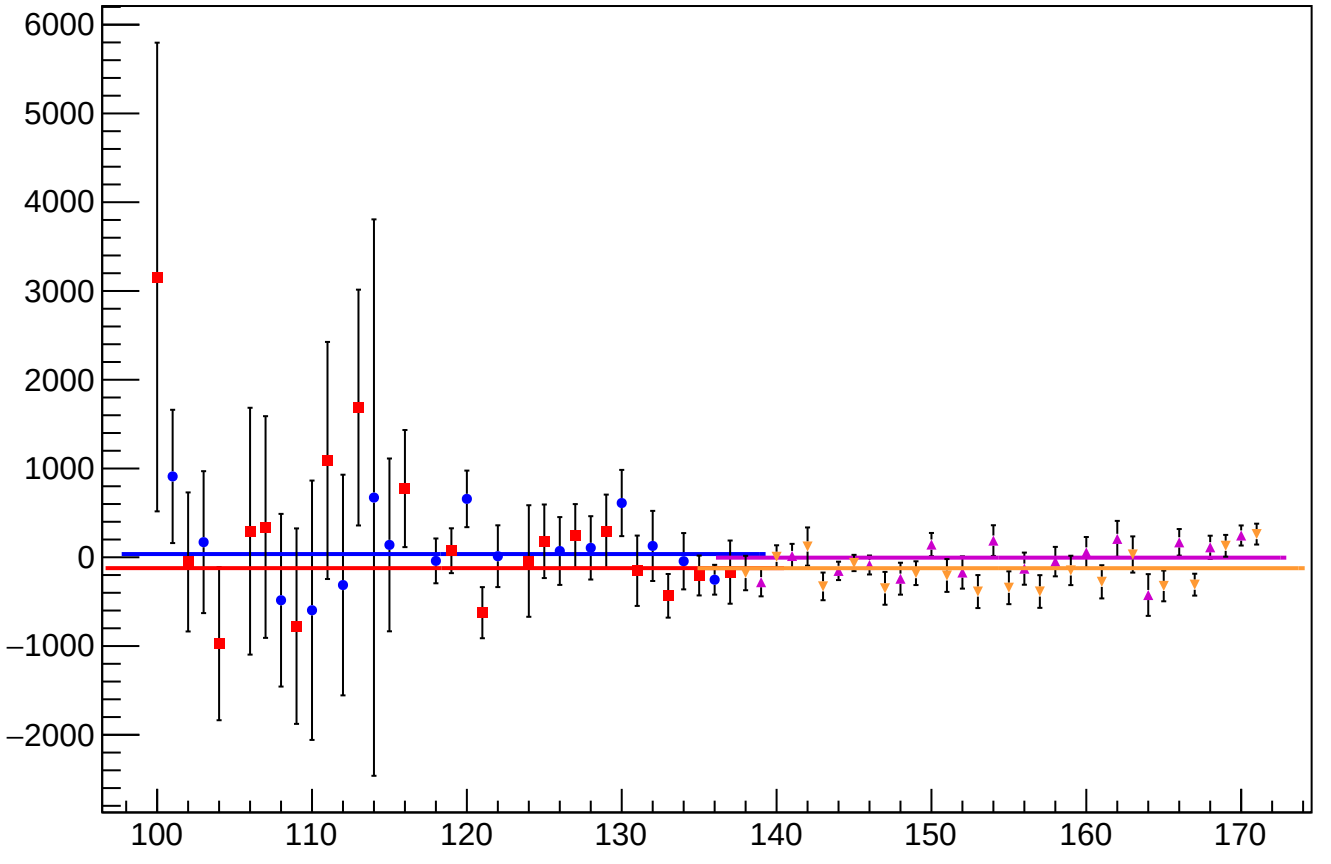
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

+ sign 41.969+/-0.007 χ^2/NDF: 2497560.9/33

All: 42.352+/-0.005 χ^2/NDF: 5195098.0/68

- sign 42.768+/-0.007 χ^2/NDF: 2690534.8/34



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.963+/-35.434 χ^2/NDF:31.6/17

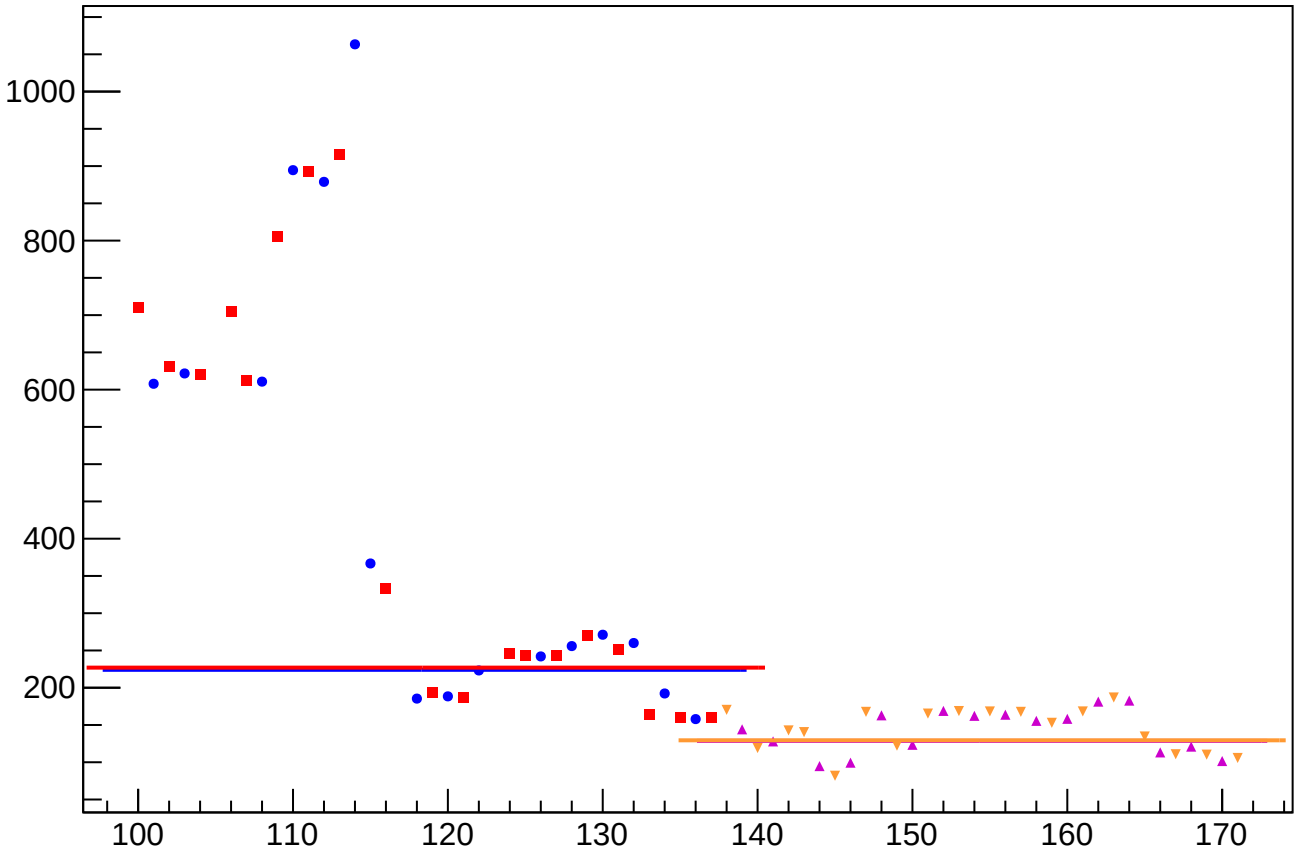
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -4.293+/-36.481 χ^2/NDF:22.7/15

+ sign -102.982+/-33.137 χ^2/NDF: 45.5/33

All: -62.295+/-23.763 χ^2/NDF: 88.2/68

- sign -19.219+/-34.096 χ^2/NDF: 39.6/34



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550263.4/17

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

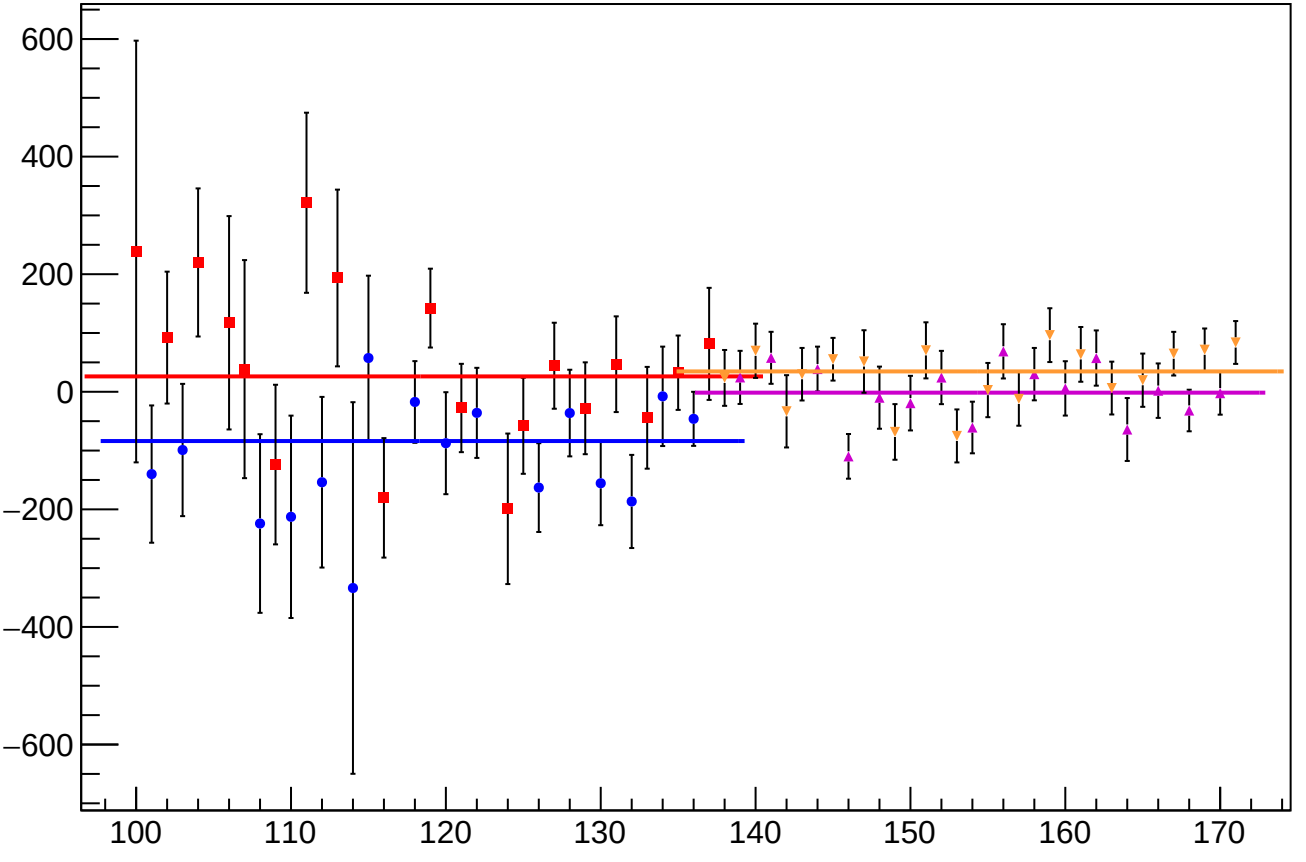
Left In: 128.657+/-0.026 χ^2/NDF:1201058.8/15

+ sign 141.309+/-0.023 χ^2/NDF: 6306414.5/33

All: 141.204+/-0.017 χ^2/NDF: 12916878.7/68

- sign 141.093+/-0.024 χ^2/NDF: 6610423.2/34

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 34.633+/-10.379 χ^2/NDF:21.3/17

Right Out: 26.142+/-22.069 χ^2/NDF: 22.9/18

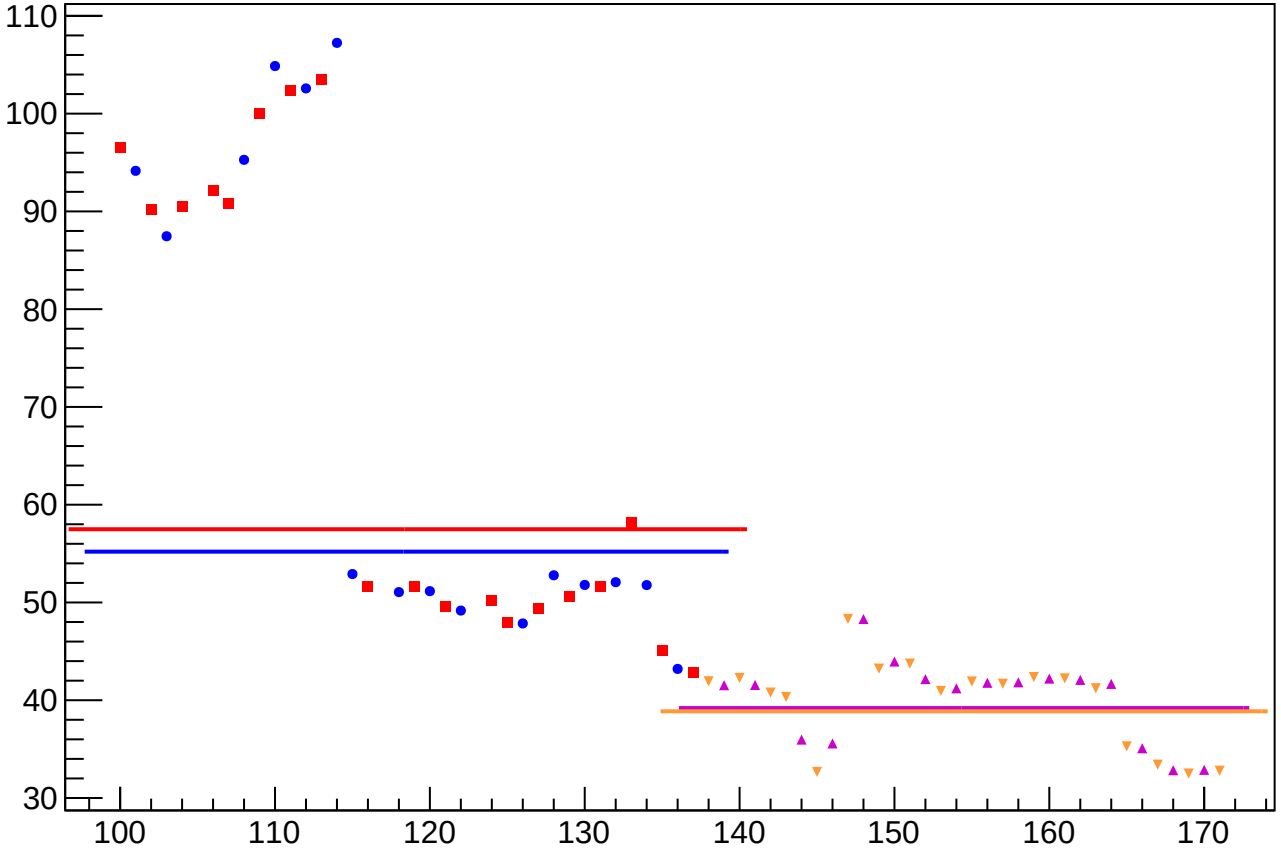
Left In: -1.512+/-10.868 χ^2/NDF:20.2/15

+ sign 12.136+/-9.342 χ^2/NDF: 56.5/33

All: 8.187+/-6.745 χ^2/NDF: 101.3/68

- sign 3.885+/-9.750 χ^2/NDF: 44.4/34

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.867+/-0.007 χ^2/NDF:404569.7/17

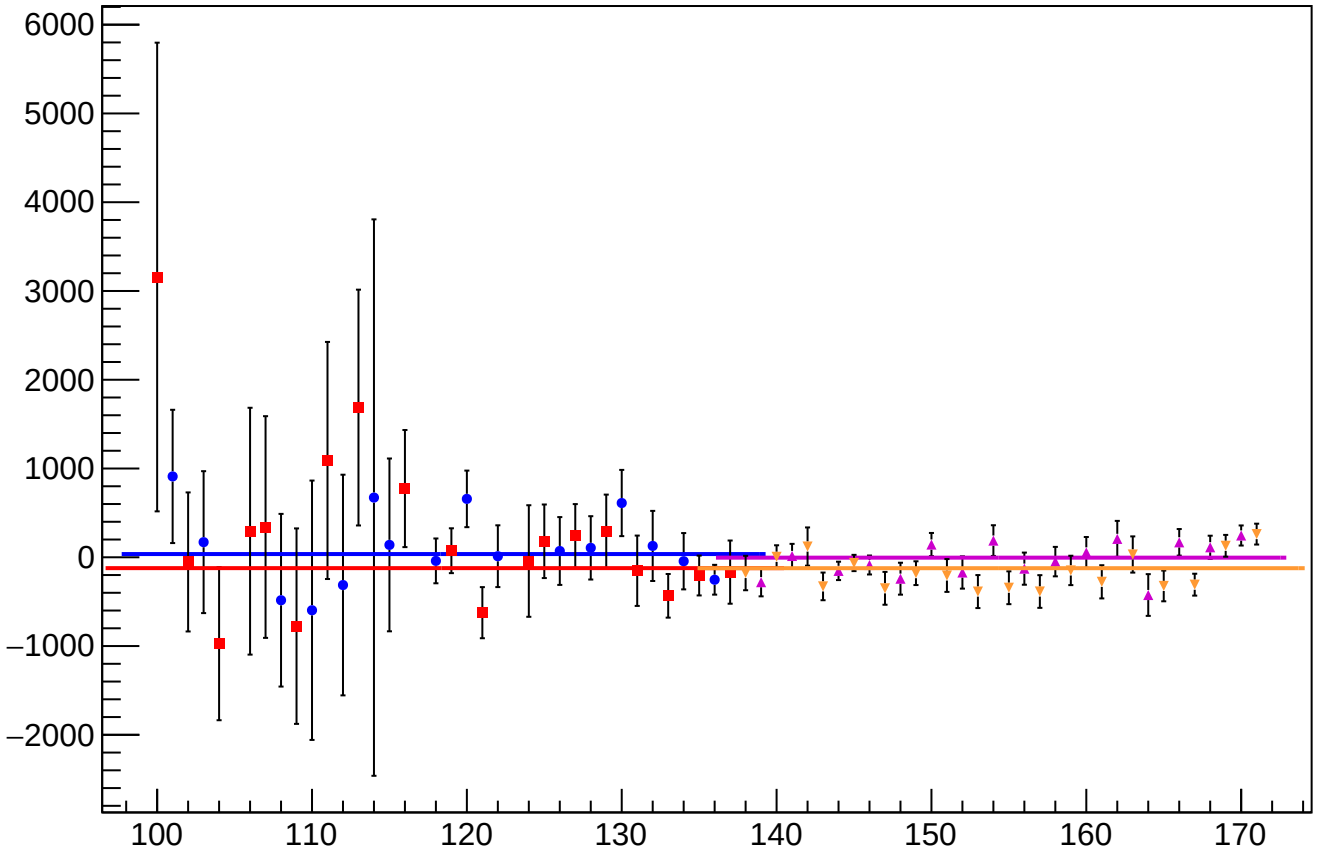
Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 39.198+/-0.008 χ^2/NDF:310272.5/15

+ sign 41.969+/-0.007 χ^2/NDF: 2497560.9/33

All: 42.352+/-0.005 χ^2/NDF: 5195098.0/68

- sign 42.768+/-0.007 χ^2/NDF: 2690534.8/34



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.963+/-35.434 χ^2/NDF:31.6/17

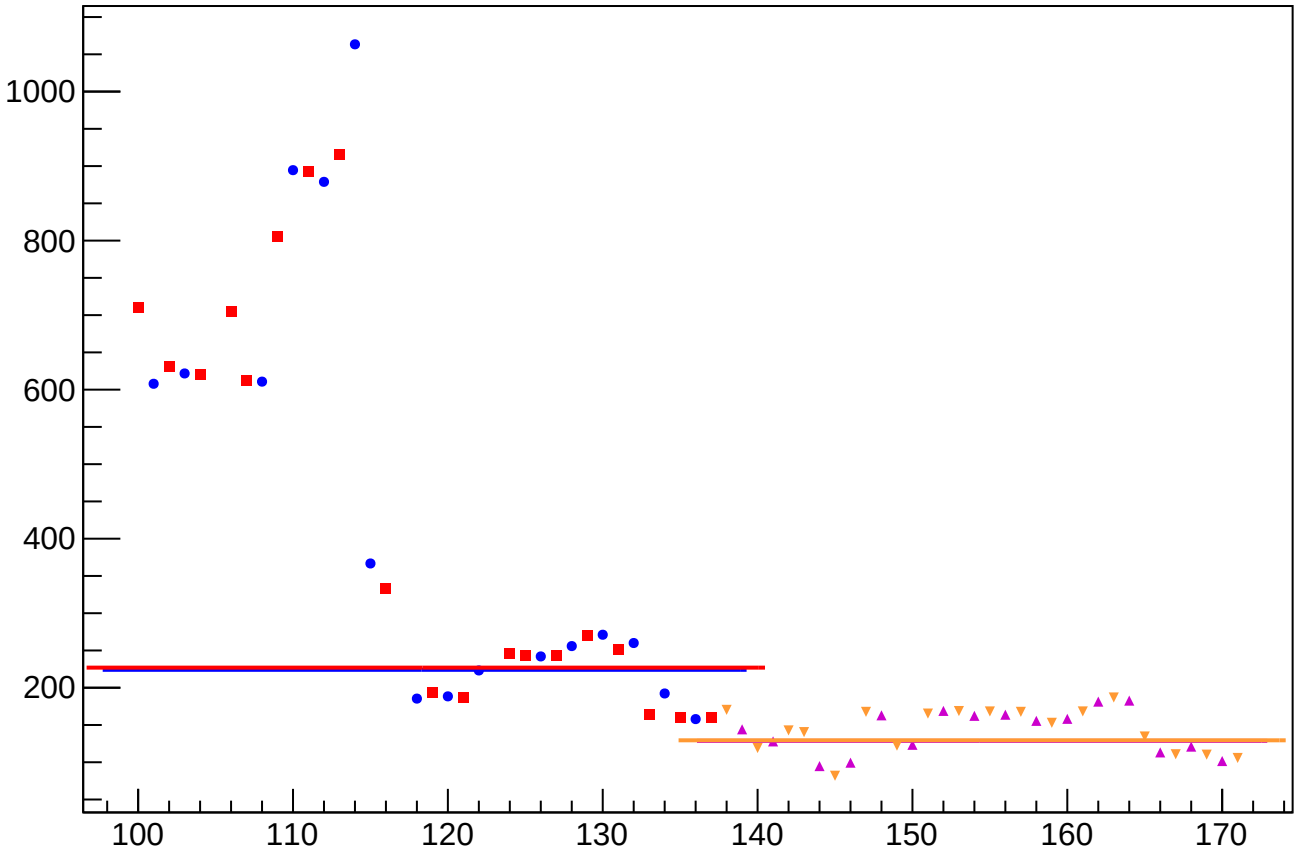
Right Out: -122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: -4.293+/-36.481 χ^2/NDF:22.7/15

+ sign -102.982+/-33.137 χ^2/NDF: 45.5/33

All: -62.295+/-23.763 χ^2/NDF: 88.2/68

- sign -19.219+/-34.096 χ^2/NDF: 39.6/34



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550263.4/17

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

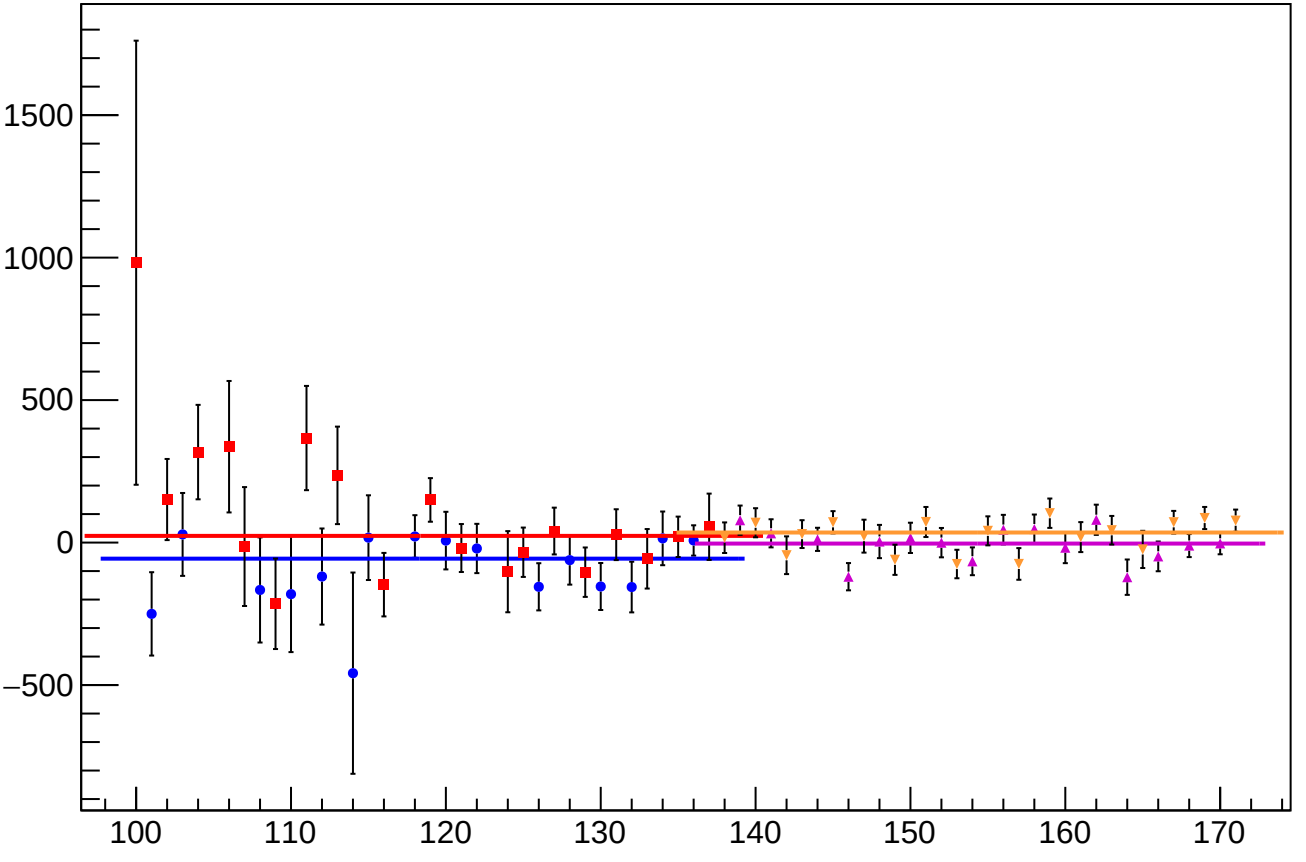
Left In: 128.657+/-0.026 χ^2/NDF:1201058.8/15

+ sign 141.309+/-0.023 χ^2/NDF: 6306414.5/33

All: 141.204+/-0.017 χ^2/NDF: 12916878.7/68

- sign 141.093+/-0.024 χ^2/NDF: 6610423.2/34

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.315+/-11.562 χ^2/NDF:21.9/17

Right Out: 23.495+/-25.161 χ^2/NDF: 24.1/18

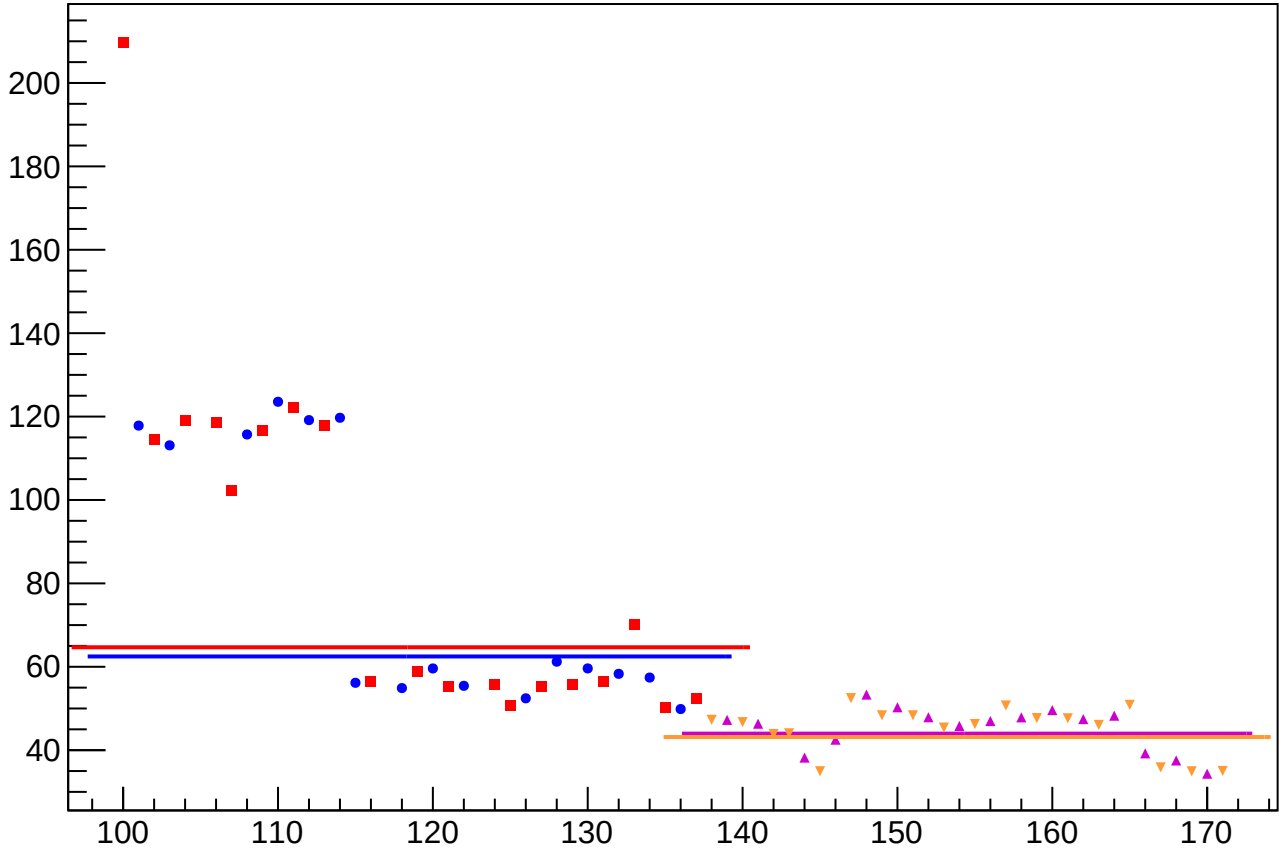
Left In: -3.492+/-12.262 χ^2/NDF:19.7/15

+ sign 18.594+/-10.456 χ^2/NDF: 45.6/33

All: 10.587+/-7.586 χ^2/NDF: 91.6/68

- sign 1.688+/-11.023 χ^2/NDF: 44.7/34

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.153+/-0.008 χ^2/NDF:558612.5/17

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

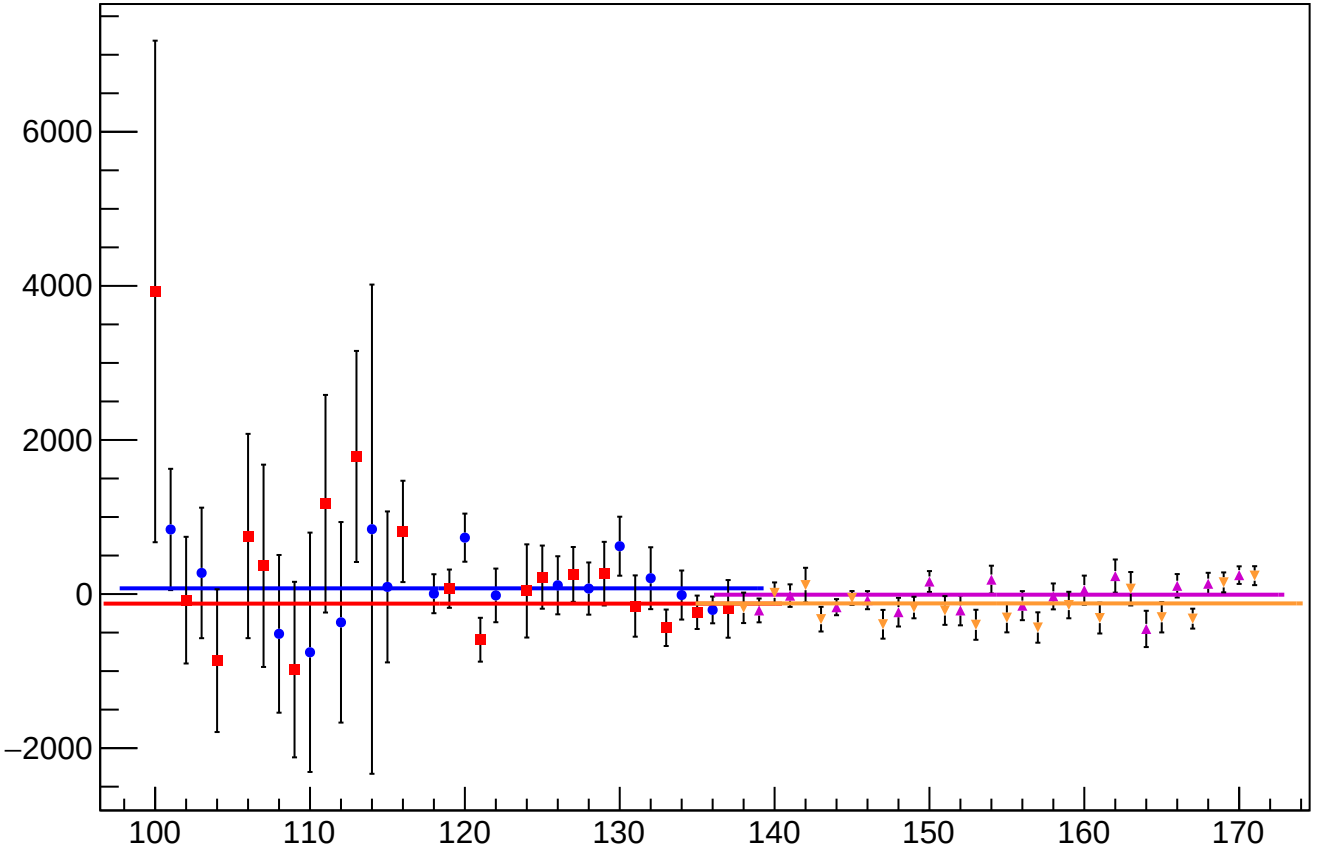
Left In: 43.970+/-0.009 χ^2/NDF:400795.6/15

+ sign 46.675+/-0.007 χ^2/NDF: 2924894.2/33

All: 47.276+/-0.005 χ^2/NDF: 6025107.4/68

- sign 47.945+/-0.008 χ^2/NDF: 3086232.8/34

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -121.390+/-36.718 χ^2/NDF:30.3/17

Right Out: -124.201+/-94.665 χ^2/NDF: 16.3/18

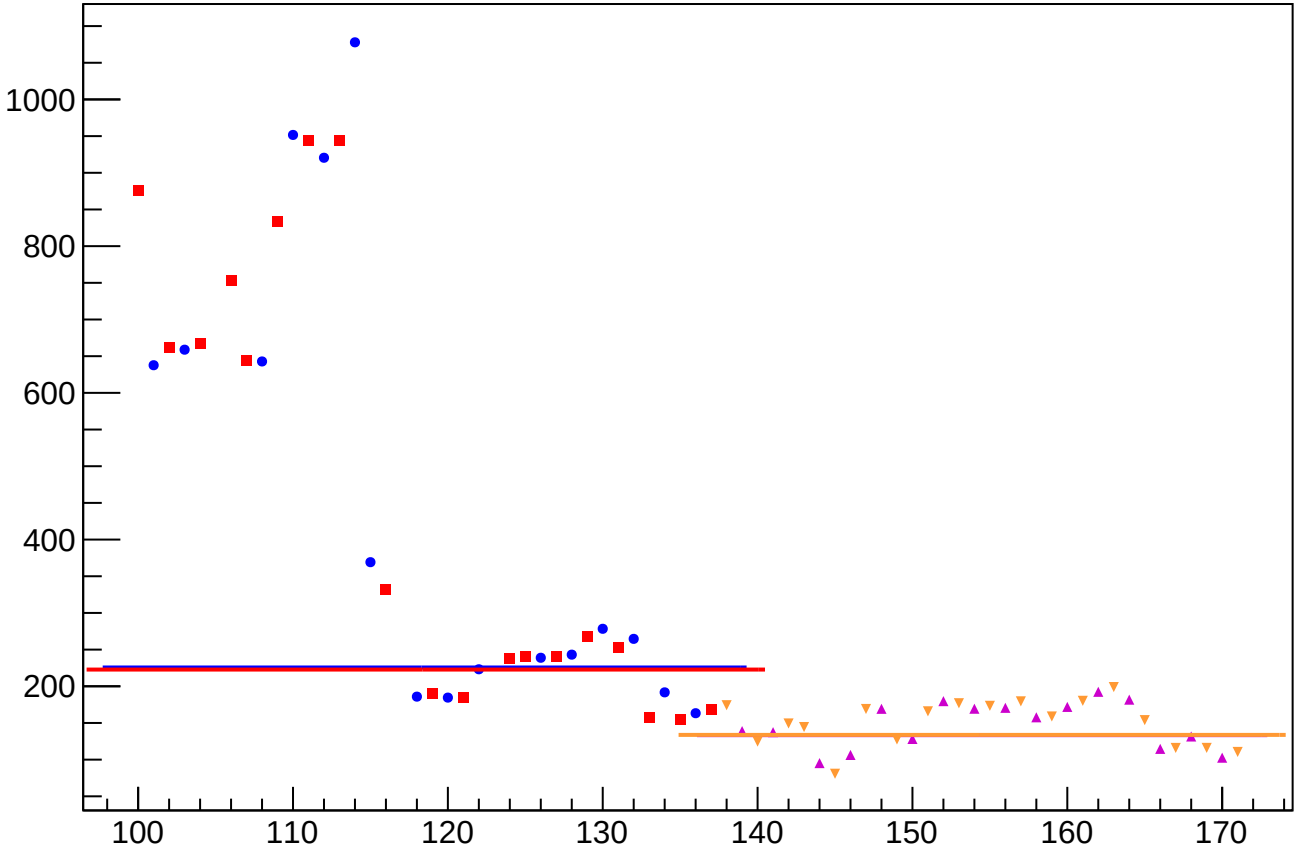
Left In: -8.228+/-37.965 χ^2/NDF:21.9/15

+ sign -95.719+/-34.225 χ^2/NDF: 45.3/33

All: -61.048+/-24.551 χ^2/NDF: 86.9/68

- sign -24.296+/-35.237 χ^2/NDF: 39.5/34

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 133.730+/-0.026 χ^2/NDF:1728958.6/17

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

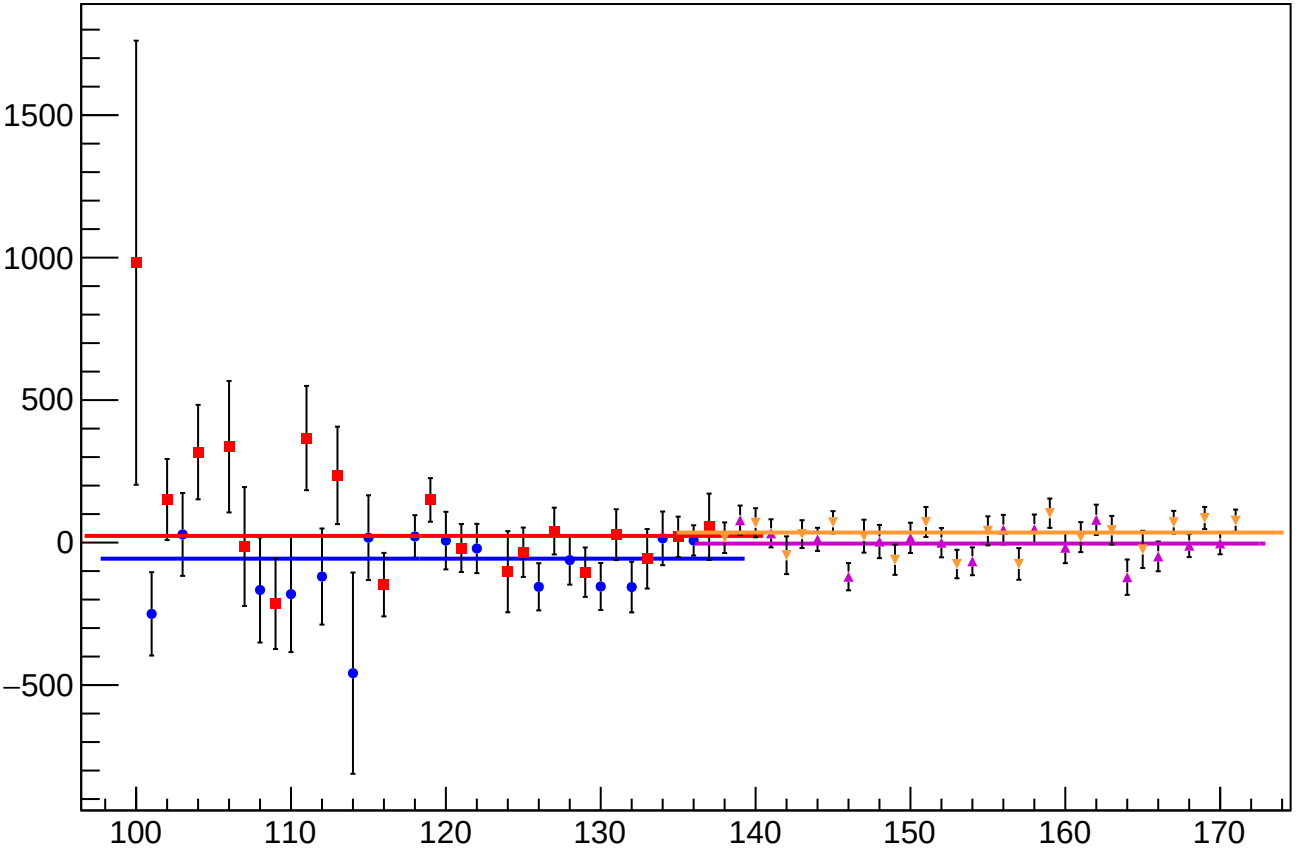
Left In: 133.358+/-0.027 χ^2/NDF:1260251.9/15

+ sign 145.784+/-0.024 χ^2/NDF: 6397985.4/33

All: 145.767+/-0.017 χ^2/NDF: 13043920.5/68

- sign 145.749+/-0.025 χ^2/NDF: 6645934.0/34

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.316+/-11.562 χ^2/NDF:21.9/17

Right Out: 23.498+/-25.160 χ^2/NDF: 24.1/18

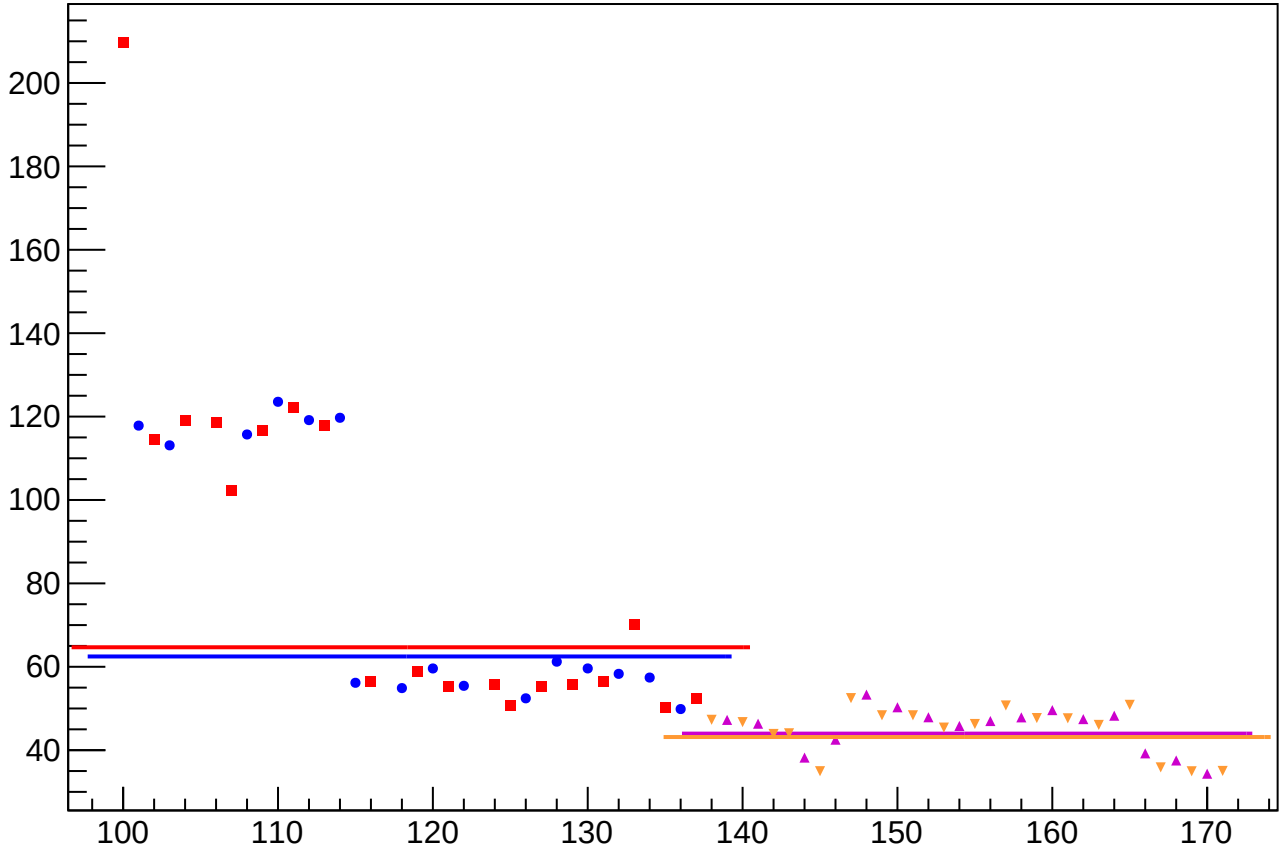
Left In: -3.493+/-12.262 χ^2/NDF:19.7/15

+ sign 18.594+/-10.456 χ^2/NDF: 45.6/33

All: 10.587+/-7.586 χ^2/NDF: 91.6/68

- sign 1.688+/-11.023 χ^2/NDF: 44.7/34

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.153+/-0.008 χ^2/NDF:558627.4/17

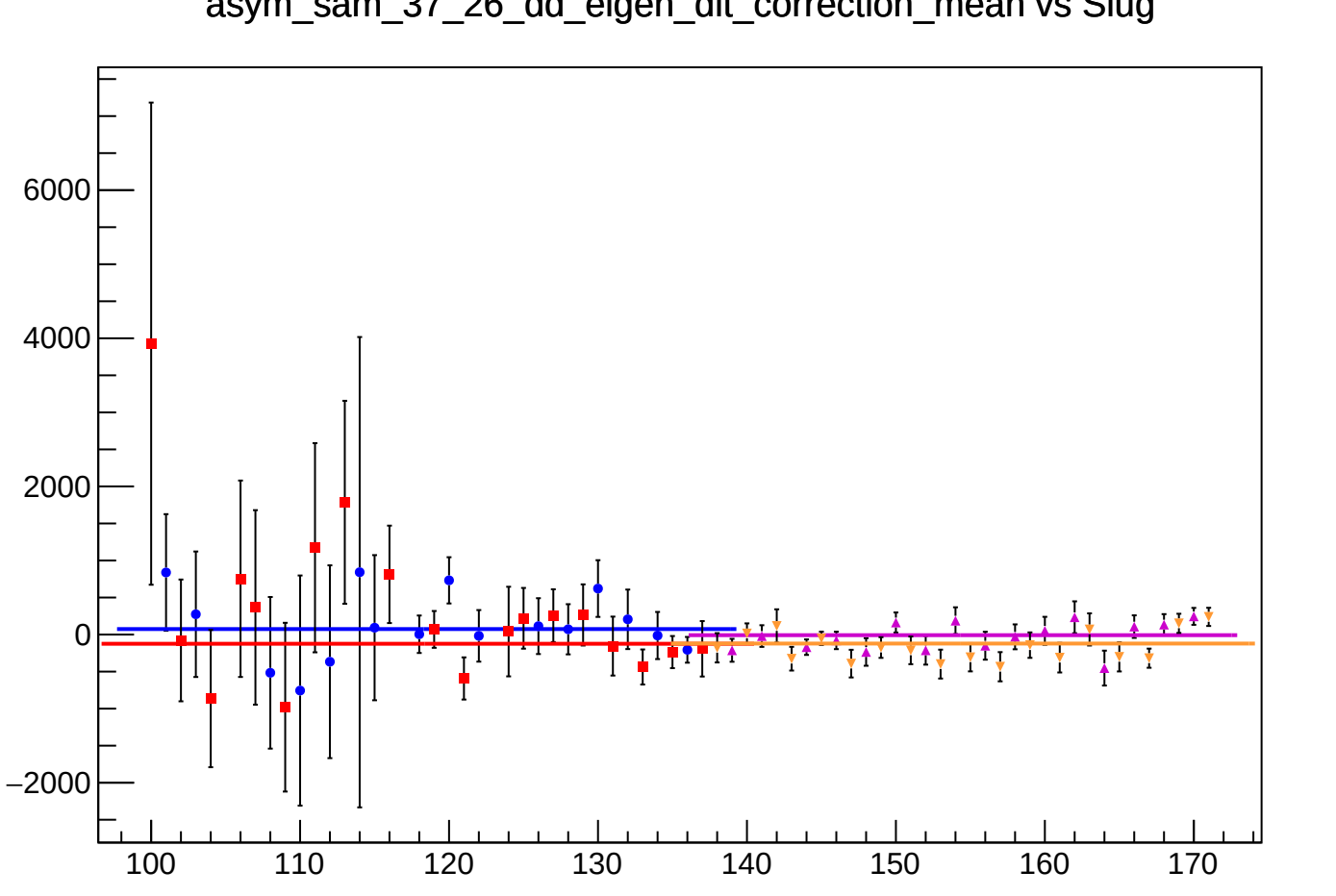
Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 43.970+/-0.009 χ^2/NDF:400803.2/15

+ sign 46.675+/-0.007 χ^2/NDF: 2924845.1/33

All: 47.276+/-0.005 χ^2/NDF: 6025018.3/68

- sign 47.945+/-0.008 χ^2/NDF: 3086191.8/34



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -121.390+/-36.718 χ^2/NDF:30.3/17

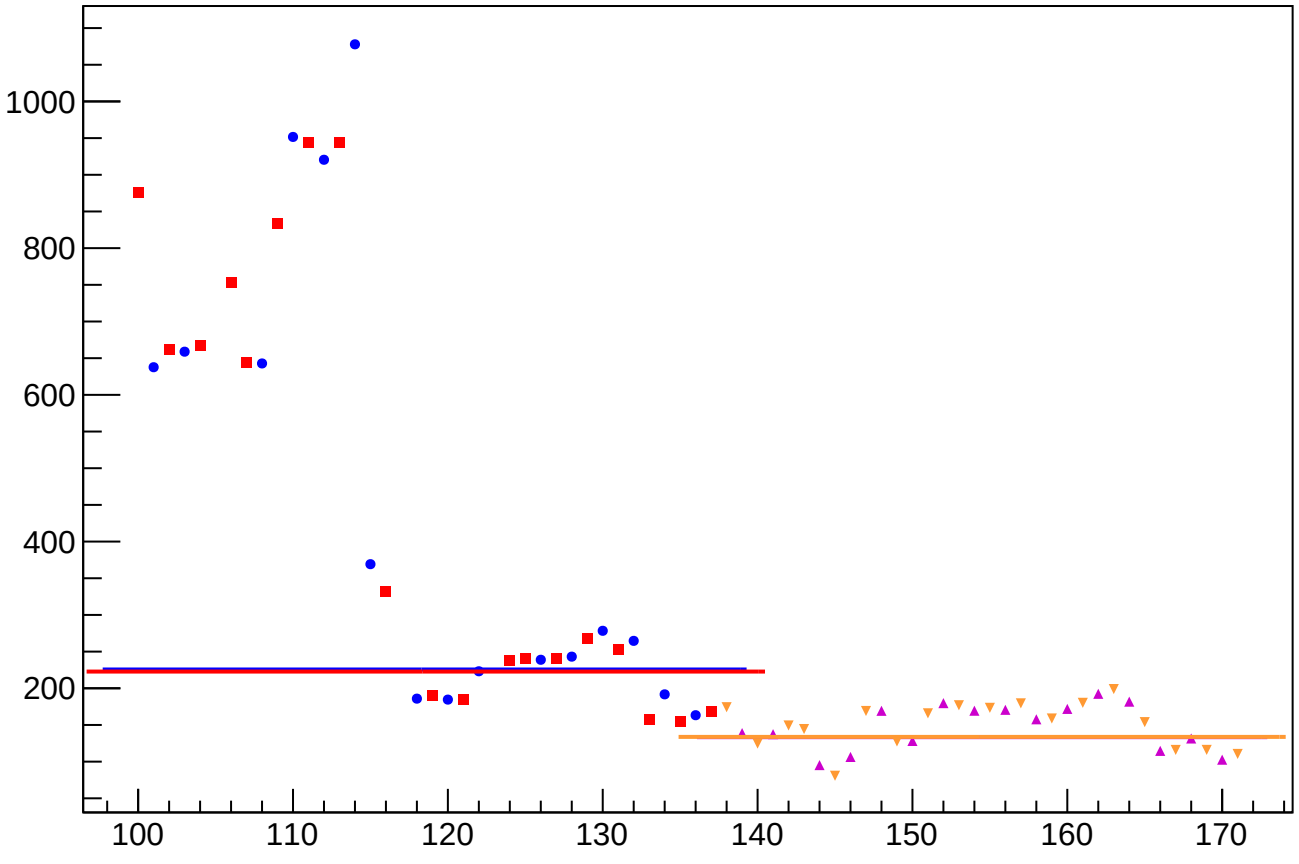
Right Out: -124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: -8.229+/-37.965 χ^2/NDF:21.9/15

+ sign -95.718+/-34.225 χ^2/NDF: 45.3/33

All: -61.048+/-24.551 χ^2/NDF: 86.9/68

- sign -24.297+/-35.237 χ^2/NDF: 39.5/34



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 133.731+/-0.026 χ^2/NDF:1728943.0/17

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

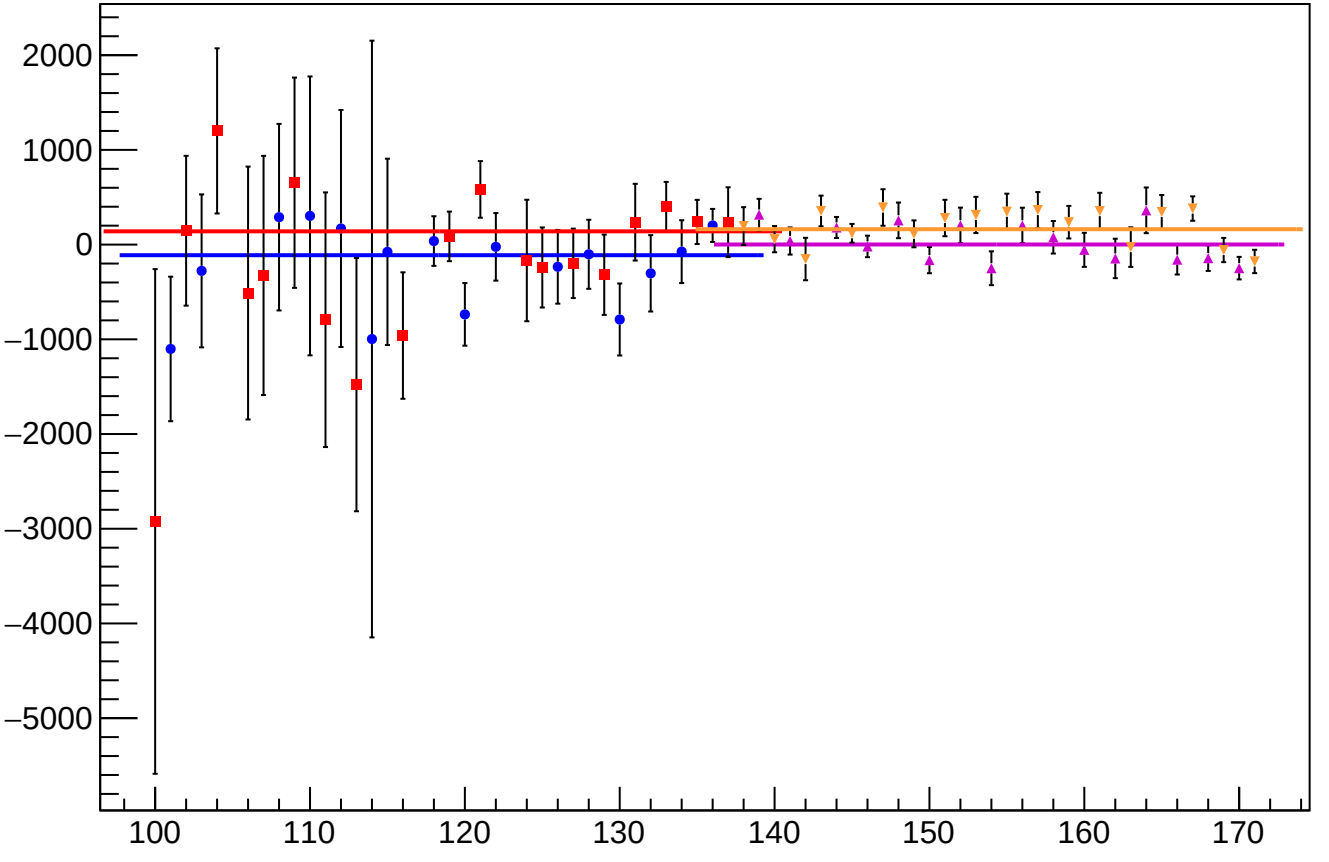
Left In: 133.358+/-0.027 χ^2/NDF:1260246.6/15

+ sign 145.785+/-0.024 χ^2/NDF: 6397942.4/33

All: 145.767+/-0.017 χ^2/NDF: 13043857.6/68

- sign 145.749+/-0.025 χ^2/NDF: 6645914.1/34

asym_sam_37_26_dd_mean vs Slug



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 162.513+/-37.115 χ^2/NDF:25.3/17

Right Out: 139.974+/-99.174 χ^2/NDF: 14.6/18

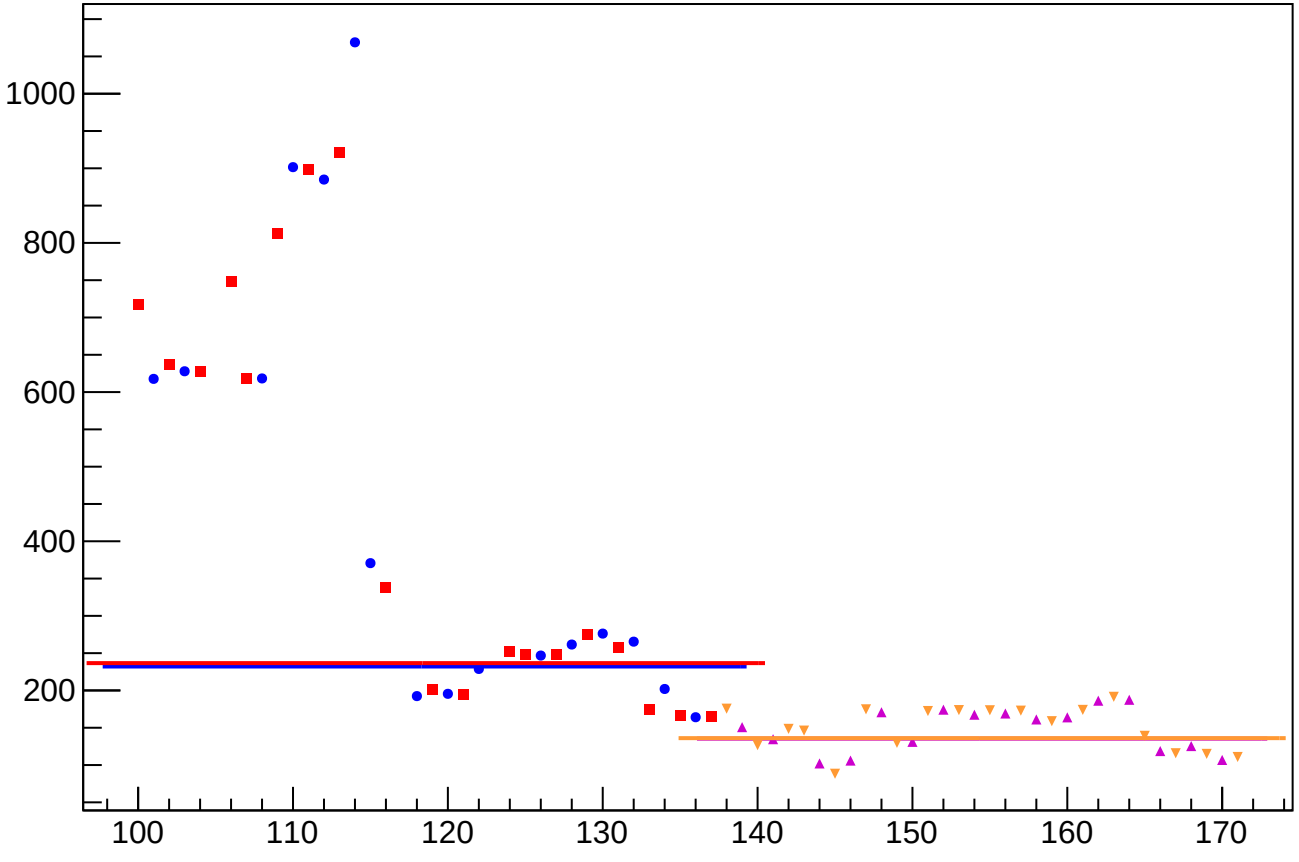
Left In: 1.124+/-38.261 χ^2/NDF:23.5/15

+ sign 127.180+/-34.644 χ^2/NDF: 45.1/33

All: 74.763+/-24.861 χ^2/NDF: 89.7/68

- sign 19.113+/-35.696 χ^2/NDF: 39.8/34

asym_sam_37_26_dd_rms vs Slug



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 136.057+/-0.026 χ^2/NDF:1395121.7/17

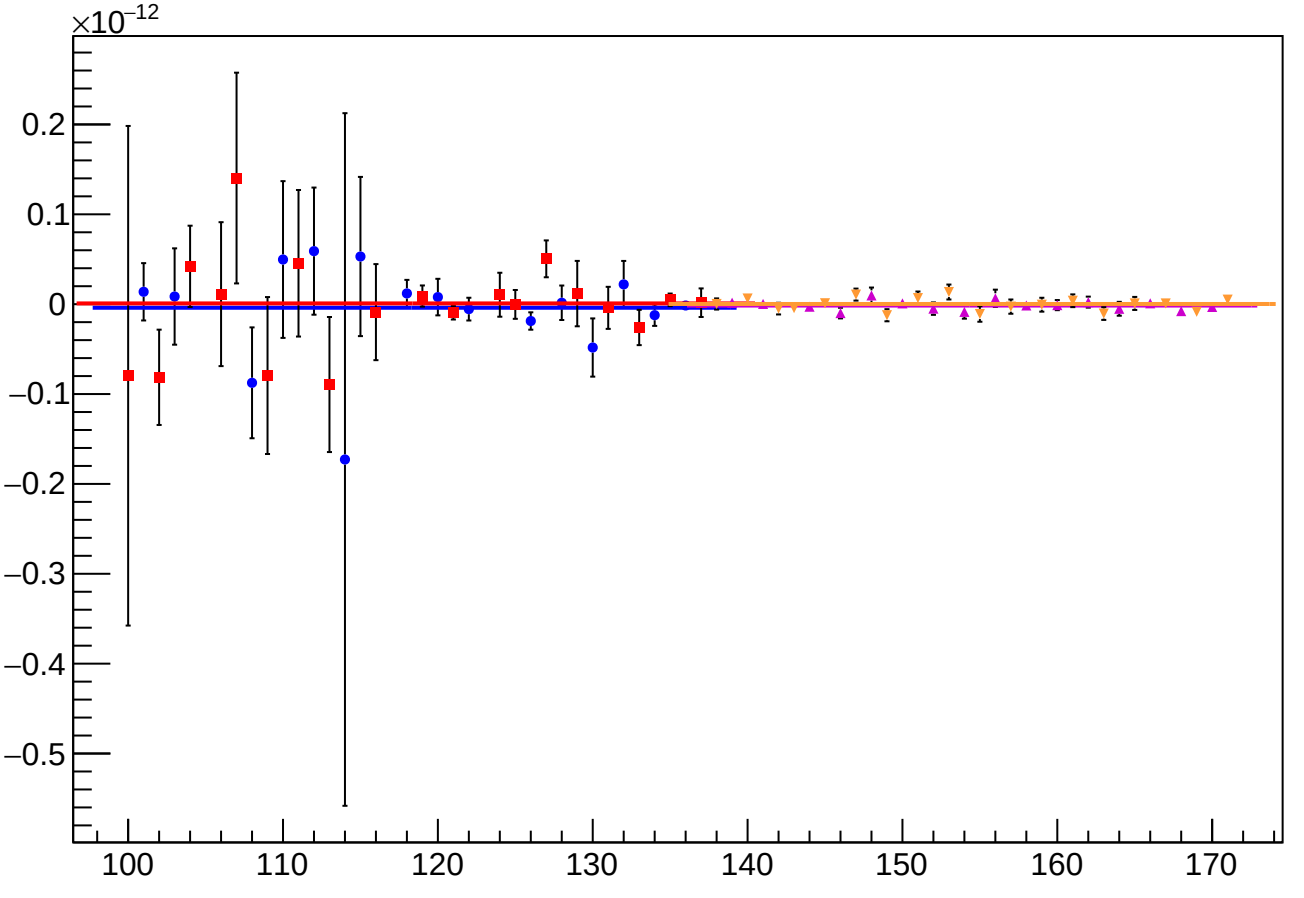
Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 135.377+/-0.027 χ^2/NDF:1075245.7/15

+ sign 148.423+/-0.024 χ^2/NDF: 6005110.2/33

All: 148.459+/-0.018 χ^2/NDF: 12416639.3/68

- sign 148.497+/-0.025 χ^2/NDF: 6411524.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

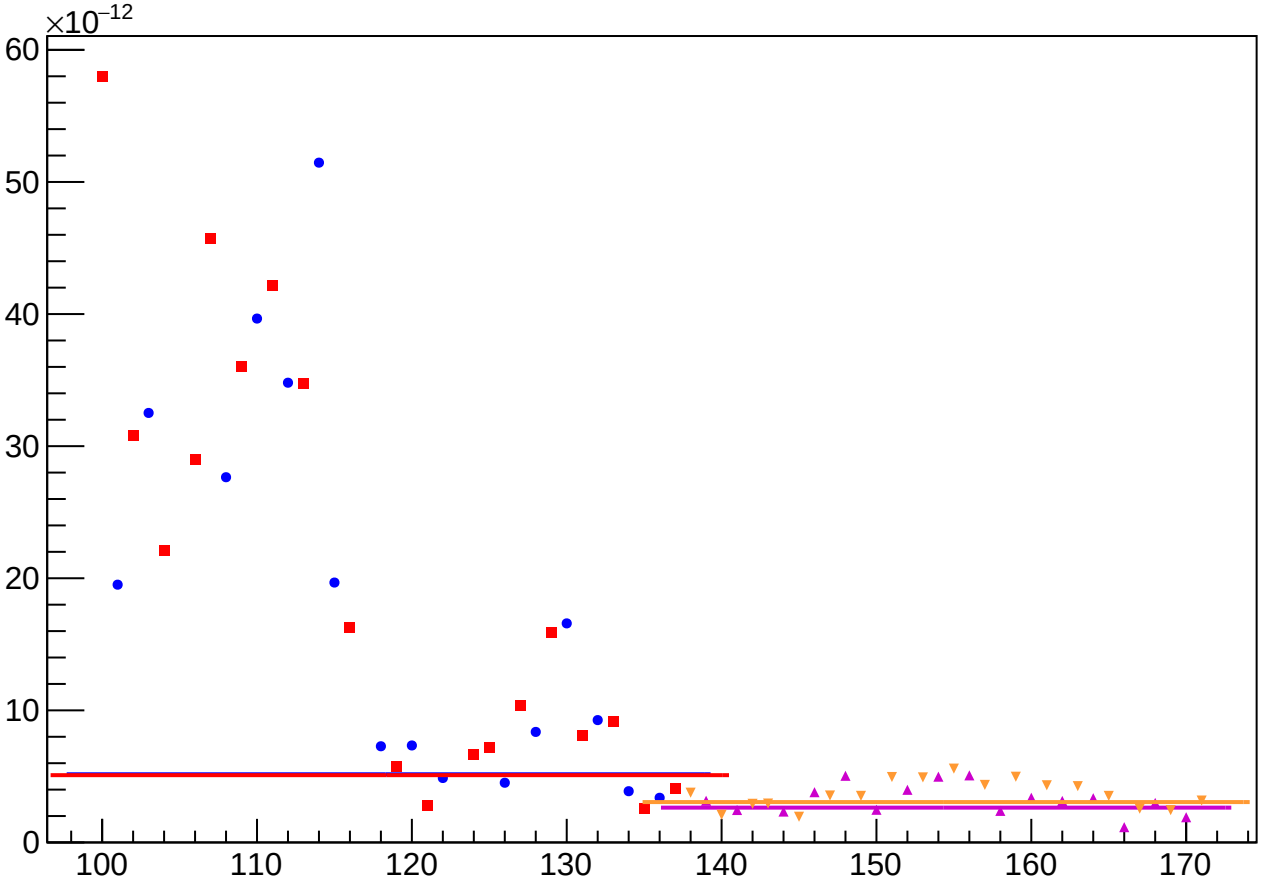
Left In: -0.000+/-0.000 χ^2/NDF:9.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/33

All: -0.000+/-0.000 χ^2/NDF: 62.8/68

- sign -0.000+/-0.000 χ^2/NDF: 27.6/34

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219747.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

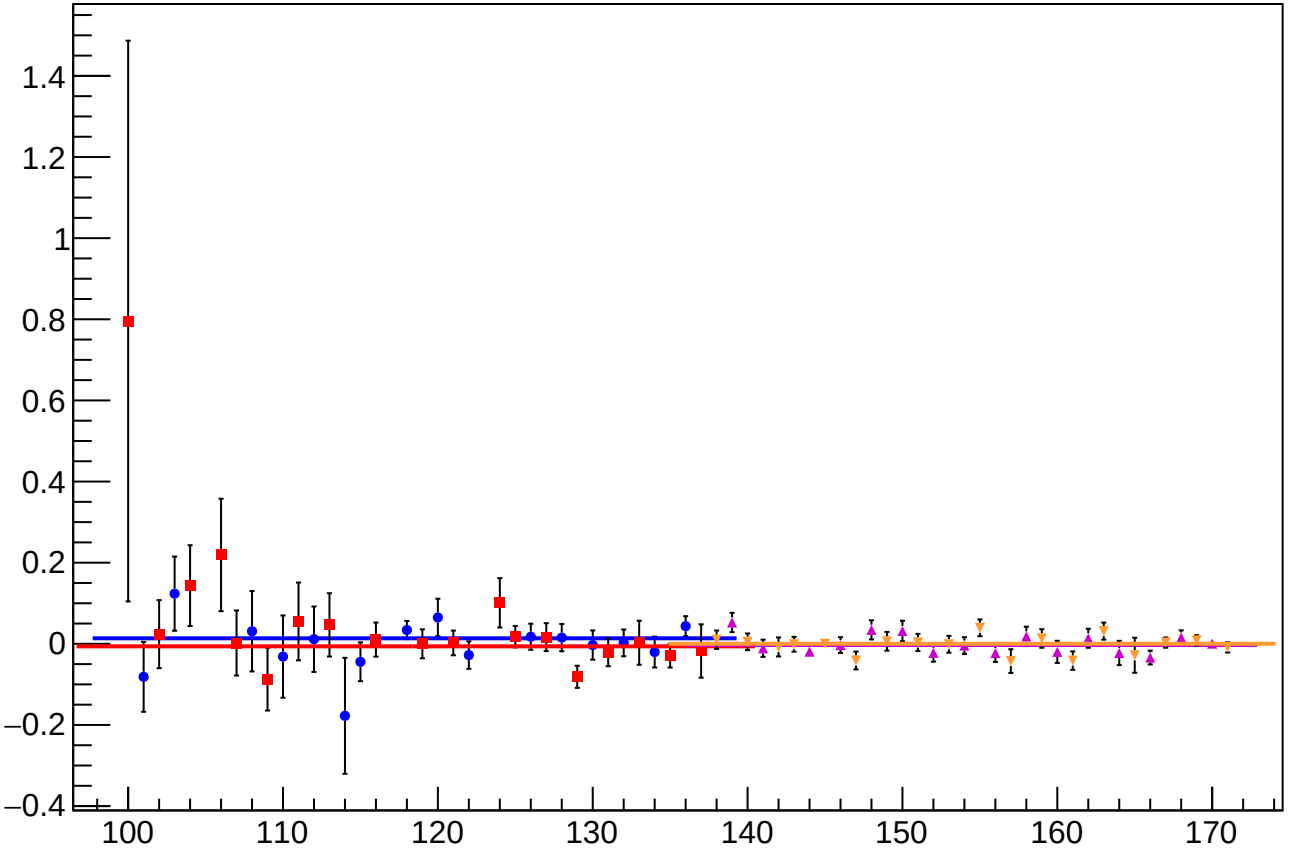
Left In: 0.000+/-0.000 χ^2/NDF:1241097.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 4422593.6/33

All: 0.000+/-0.000 χ^2/NDF: 9727689.4/68

- sign 0.000+/-0.000 χ^2/NDF: 5179833.4/34

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+/-0.004 χ^2/NDF:17.0/17

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

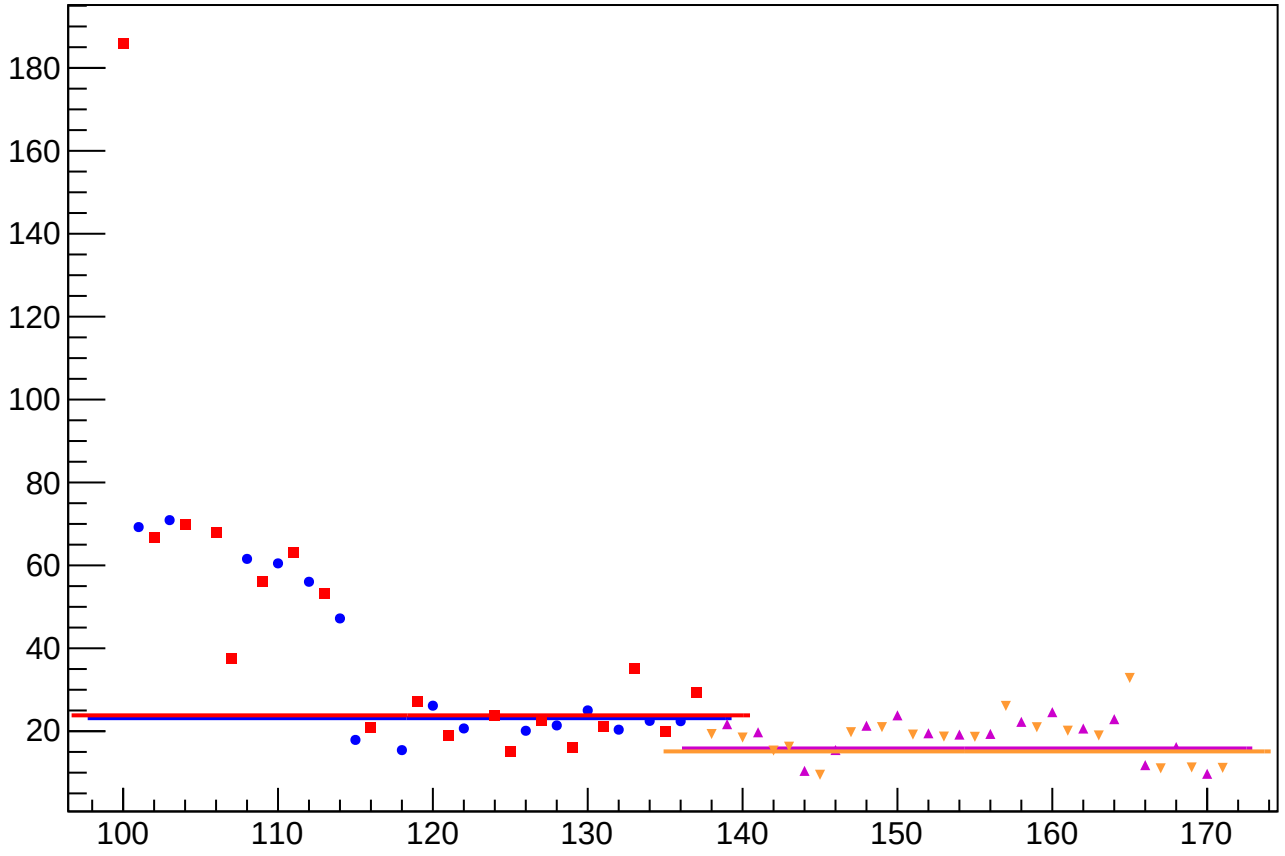
Left In: -0.003+/-0.005 χ^2/NDF:20.1/15

+ sign 0.002+/-0.004 χ^2/NDF: 30.9/33

All: -0.000+/-0.003 χ^2/NDF: 73.5/68

- sign -0.004+/-0.004 χ^2/NDF: 41.6/34

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: 15.128+/-0.003 χ^2/NDF:2534852.9/17

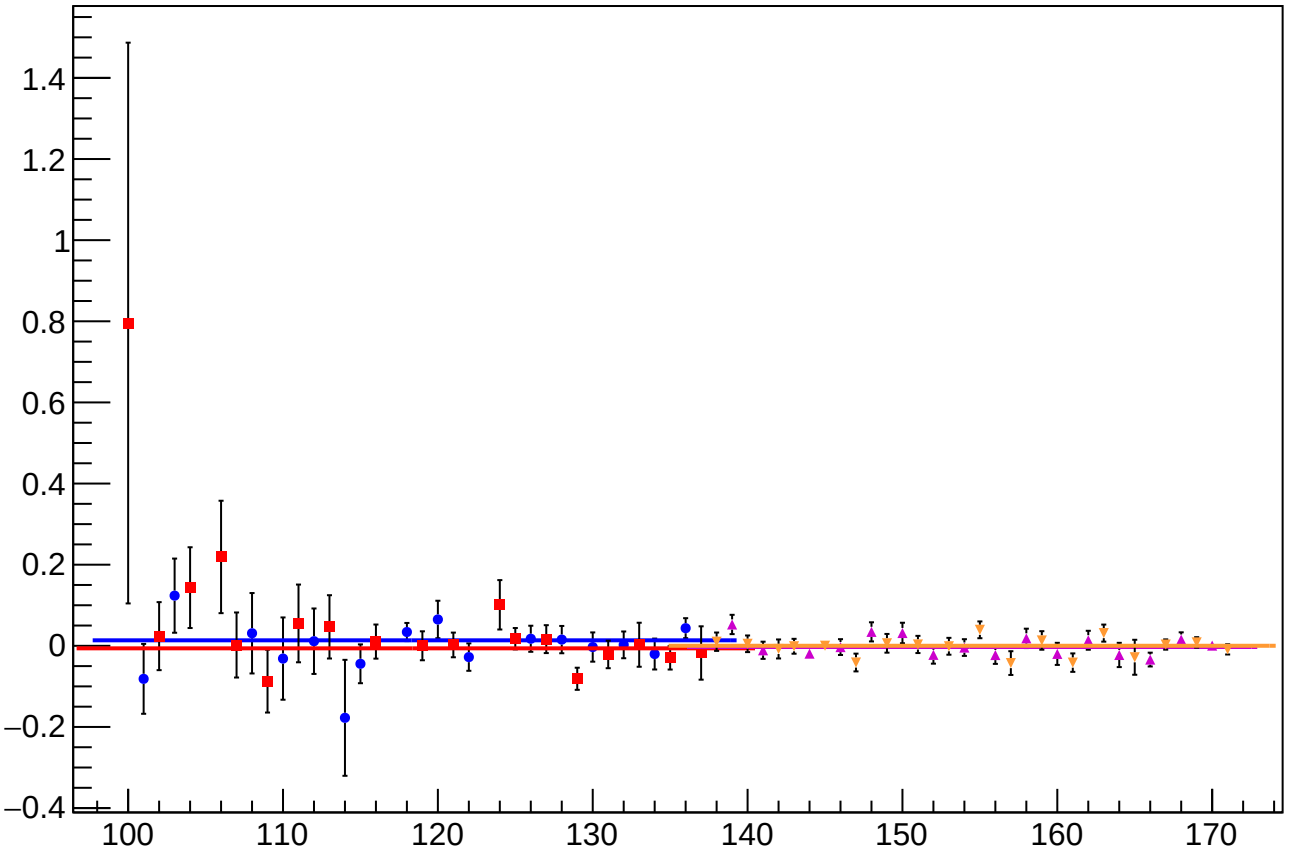
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.836+/-0.003 χ^2/NDF:2371712.8/15

+ sign 16.411+/-0.003 χ^2/NDF: 6055007.6/33

All: 16.808+/-0.002 χ^2/NDF: 12402358.1/68

- sign 17.276+/-0.003 χ^2/NDF: 6303016.1/34



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.004 χ^2/NDF:17.0/17

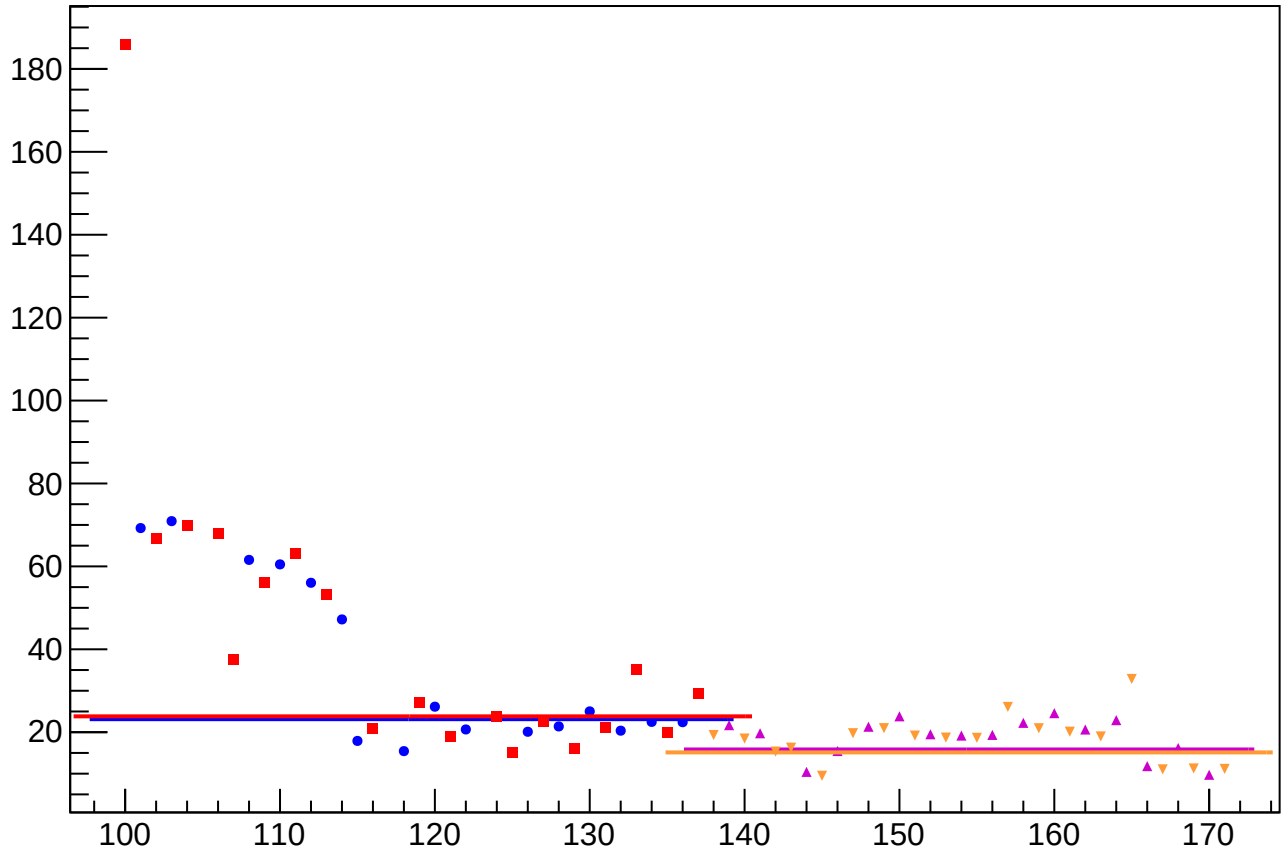
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.005 χ^2/NDF:20.1/15

+ sign 0.002+/-0.004 χ^2/NDF: 30.9/33

All: -0.000+/-0.003 χ^2/NDF: 73.5/68

- sign -0.004+/-0.004 χ^2/NDF: 41.6/34



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.128+/-0.003 χ^2/NDF:2534852.9/17

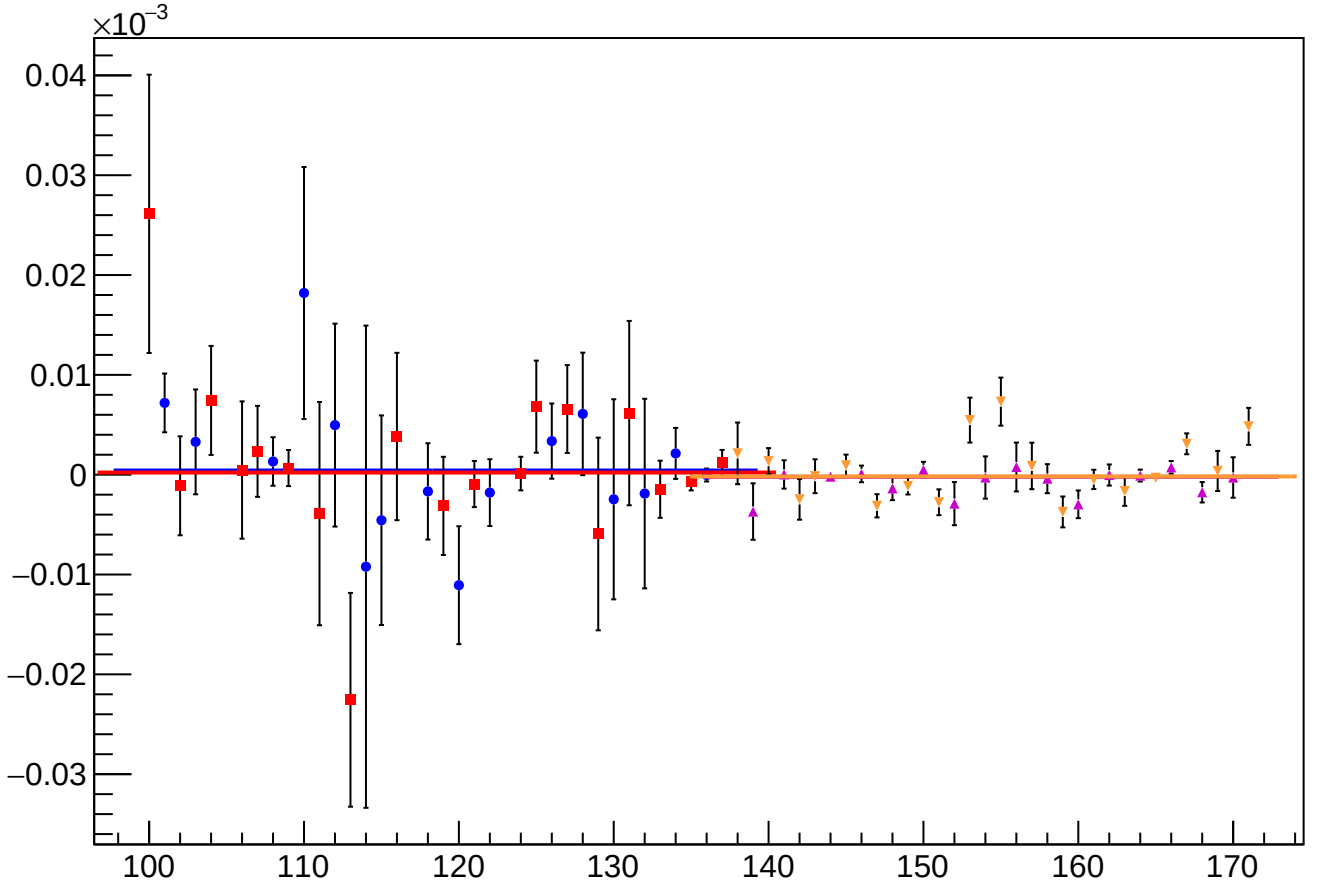
Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.836+/-0.003 χ^2/NDF:2371712.8/15

+ sign 16.411+/-0.003 χ^2/NDF: 6055007.6/33

All: 16.808+/-0.002 χ^2/NDF: 12402358.1/68

- sign 17.276+/-0.003 χ^2/NDF: 6303016.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:55.8/17

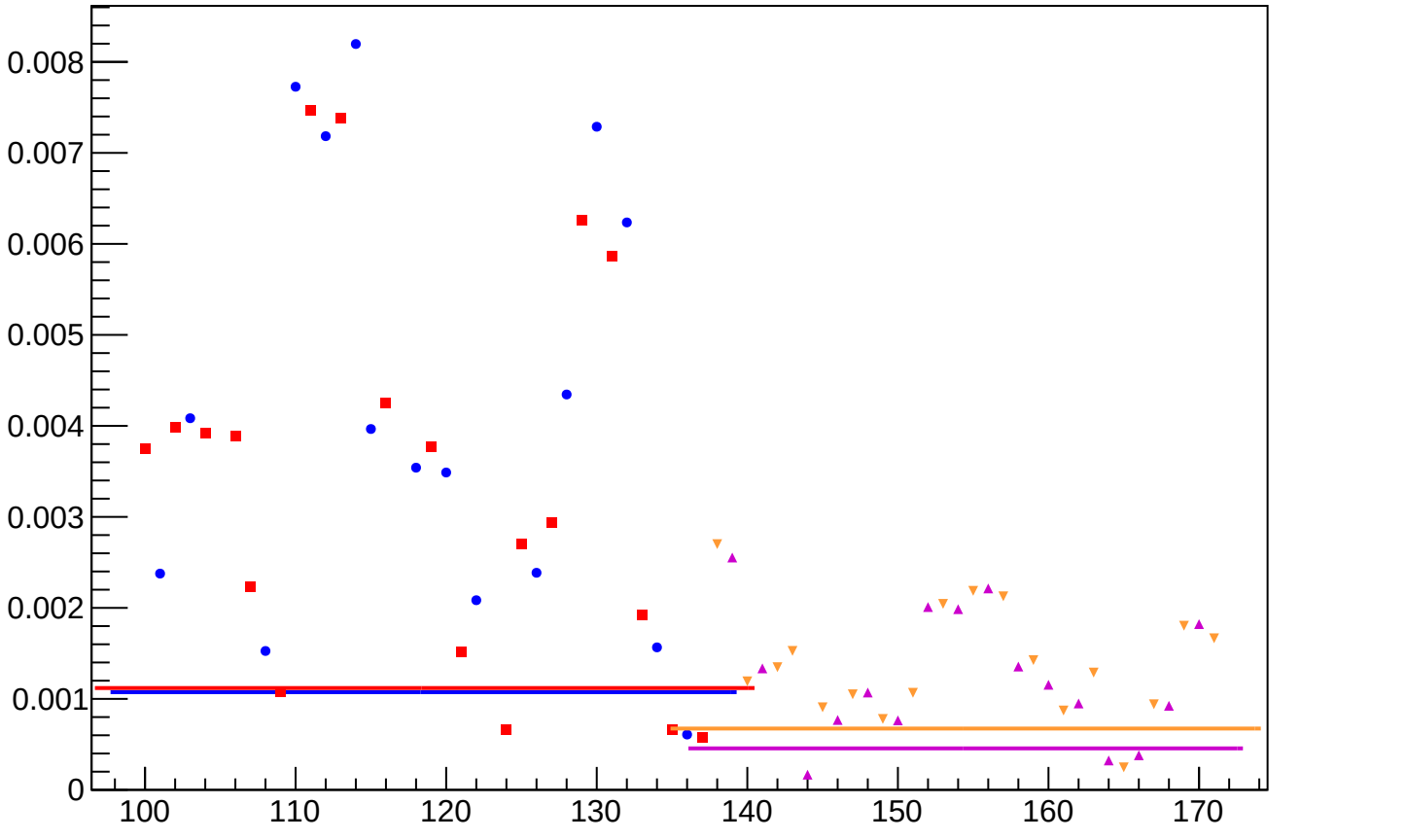
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/18

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

+ sign -0.000+/-0.000 χ^2/NDF: 72.0/33

All: -0.000+/-0.000 χ^2/NDF: 104.1/68

- sign -0.000+/-0.000 χ^2/NDF: 32.0/34



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:10599805.5/17

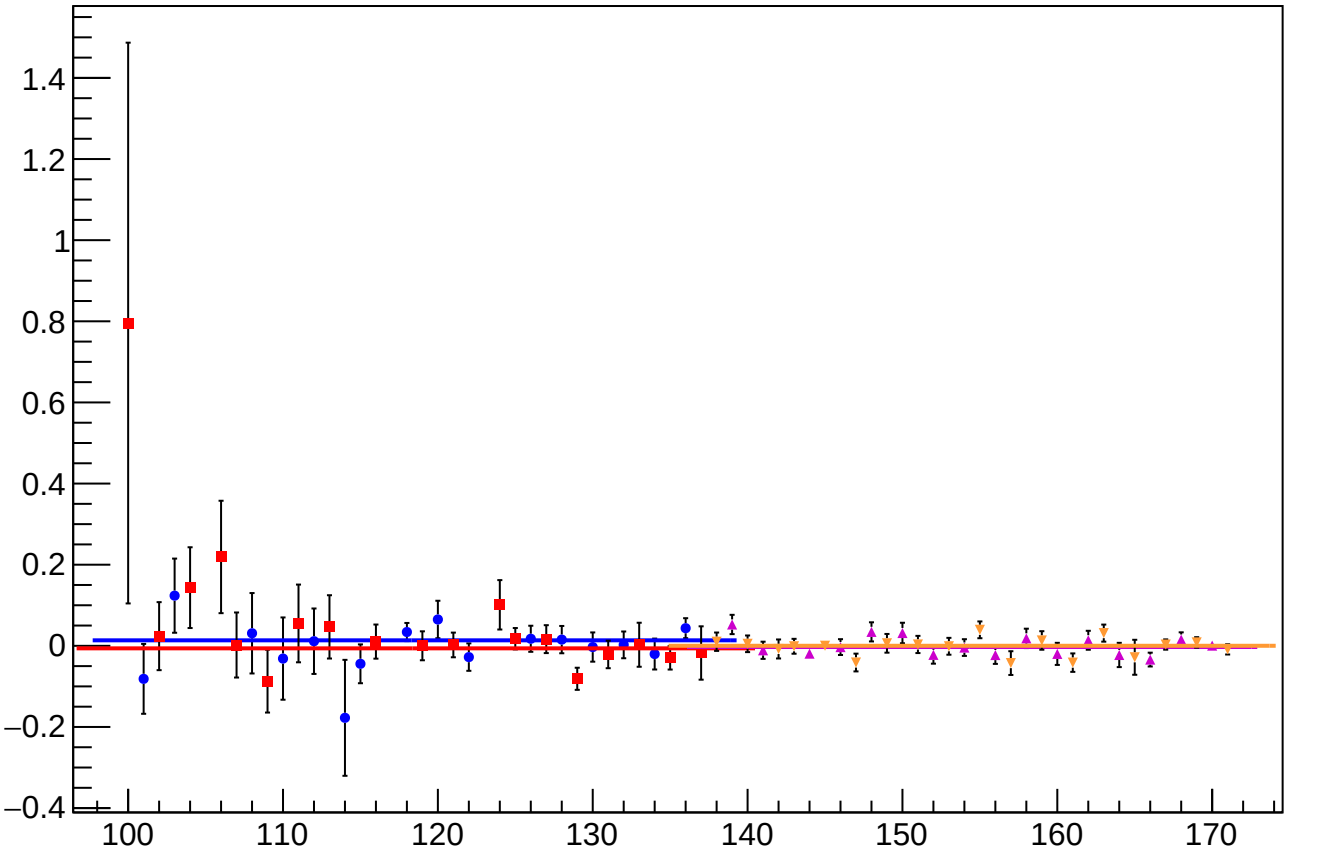
Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11831335.6/15

+ sign 0.001+/-0.000 χ^2/NDF: 18512772.8/33

All: 0.001+/-0.000 χ^2/NDF: 40761242.3/68

- sign 0.001+/-0.000 χ^2/NDF: 21086643.8/34



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.004 χ^2/NDF:17.0/17

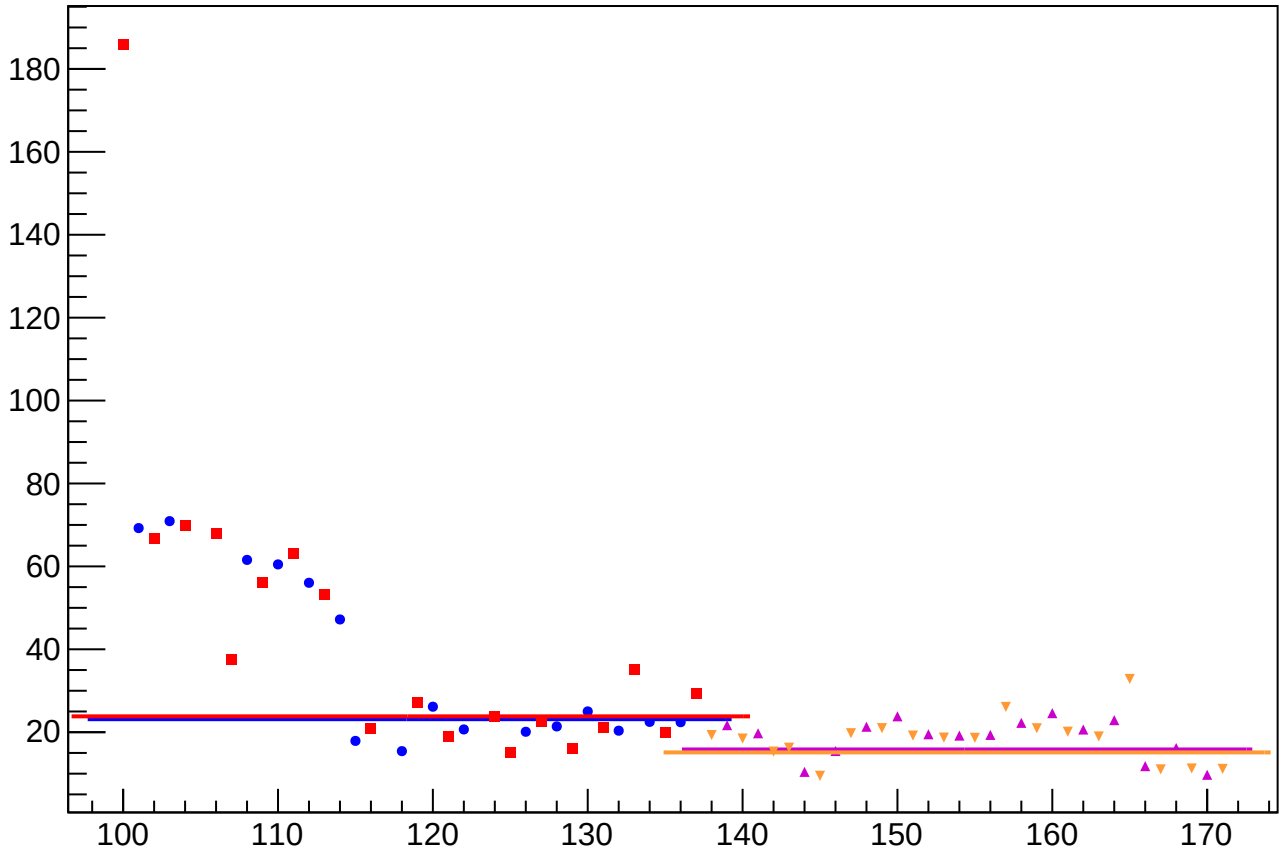
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.005 χ^2/NDF:20.1/15

+ sign 0.002+/-0.004 χ^2/NDF: 30.9/33

All: -0.000+/-0.003 χ^2/NDF: 73.6/68

- sign -0.004+/-0.004 χ^2/NDF: 41.6/34



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.128+/-0.003 χ^2/NDF:2535003.7/17

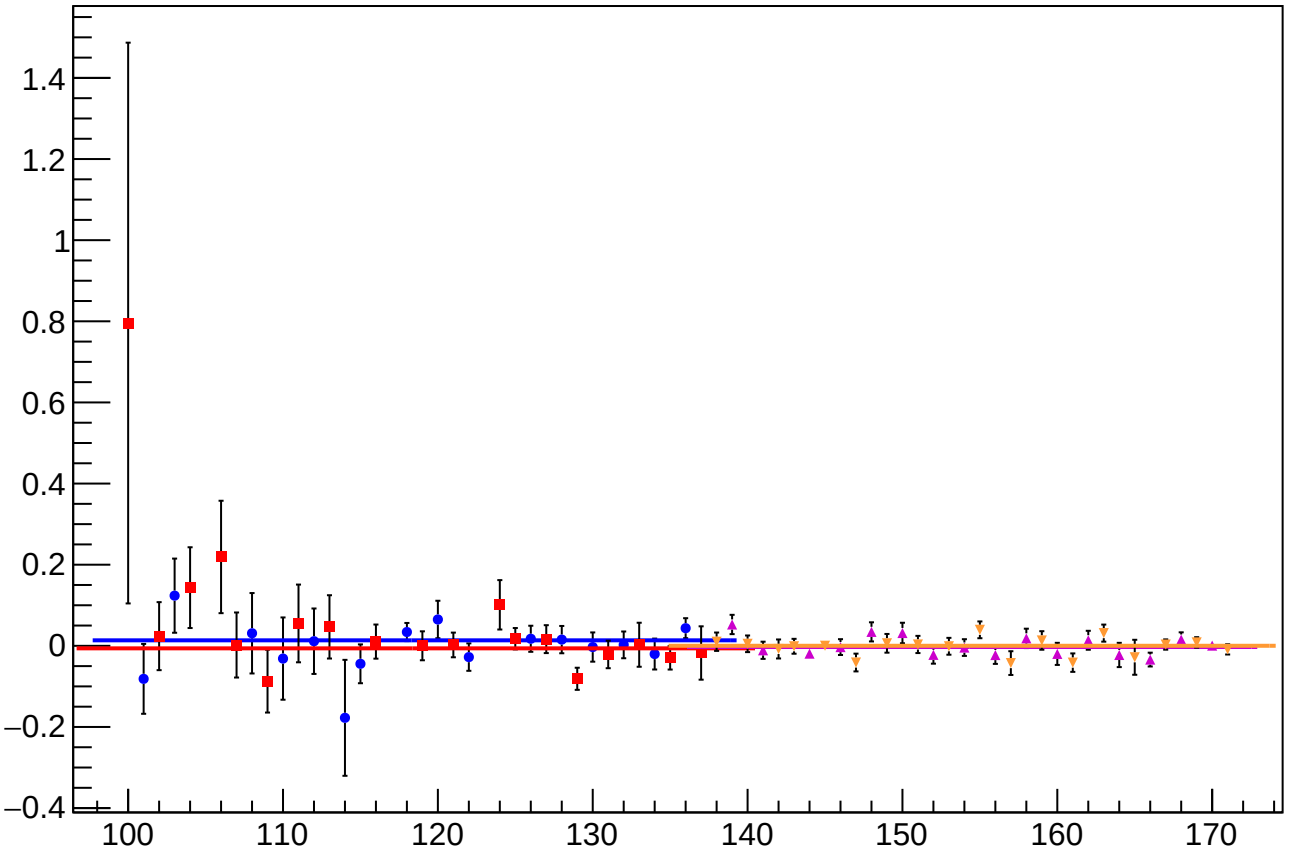
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.836+/-0.003 χ^2/NDF:2371743.5/15

+ sign 16.411+/-0.003 χ^2/NDF: 6054909.1/33

All: 16.808+/-0.002 χ^2/NDF: 12402111.1/68

- sign 17.276+/-0.003 χ^2/NDF: 6302856.5/34



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.004 χ^2/NDF:17.0/17

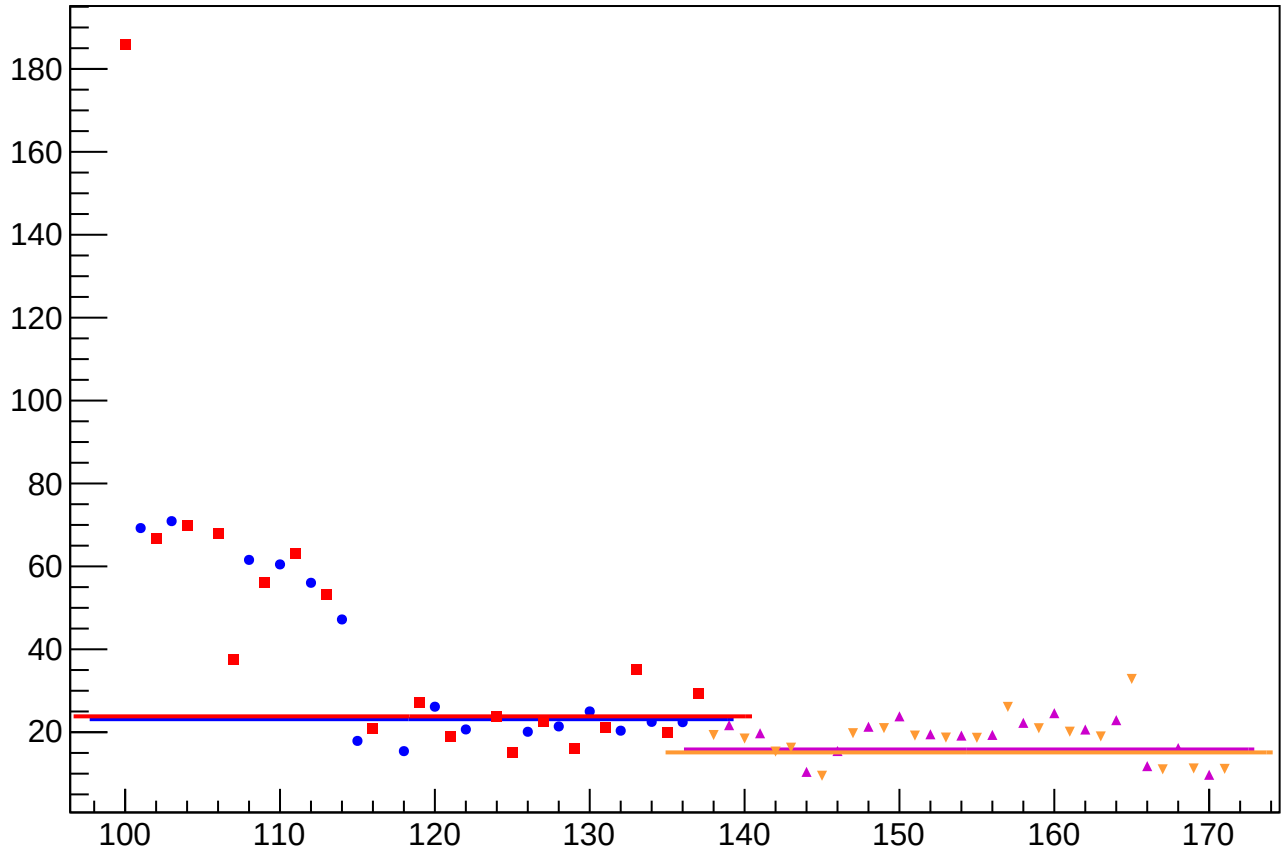
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.003+/-0.005 χ^2/NDF:20.1/15

+ sign 0.002+/-0.004 χ^2/NDF: 30.9/33

All: -0.000+/-0.003 χ^2/NDF: 73.6/68

- sign -0.004+/-0.004 χ^2/NDF: 41.6/34



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.128+/-0.003 χ^2/NDF:2535003.7/17

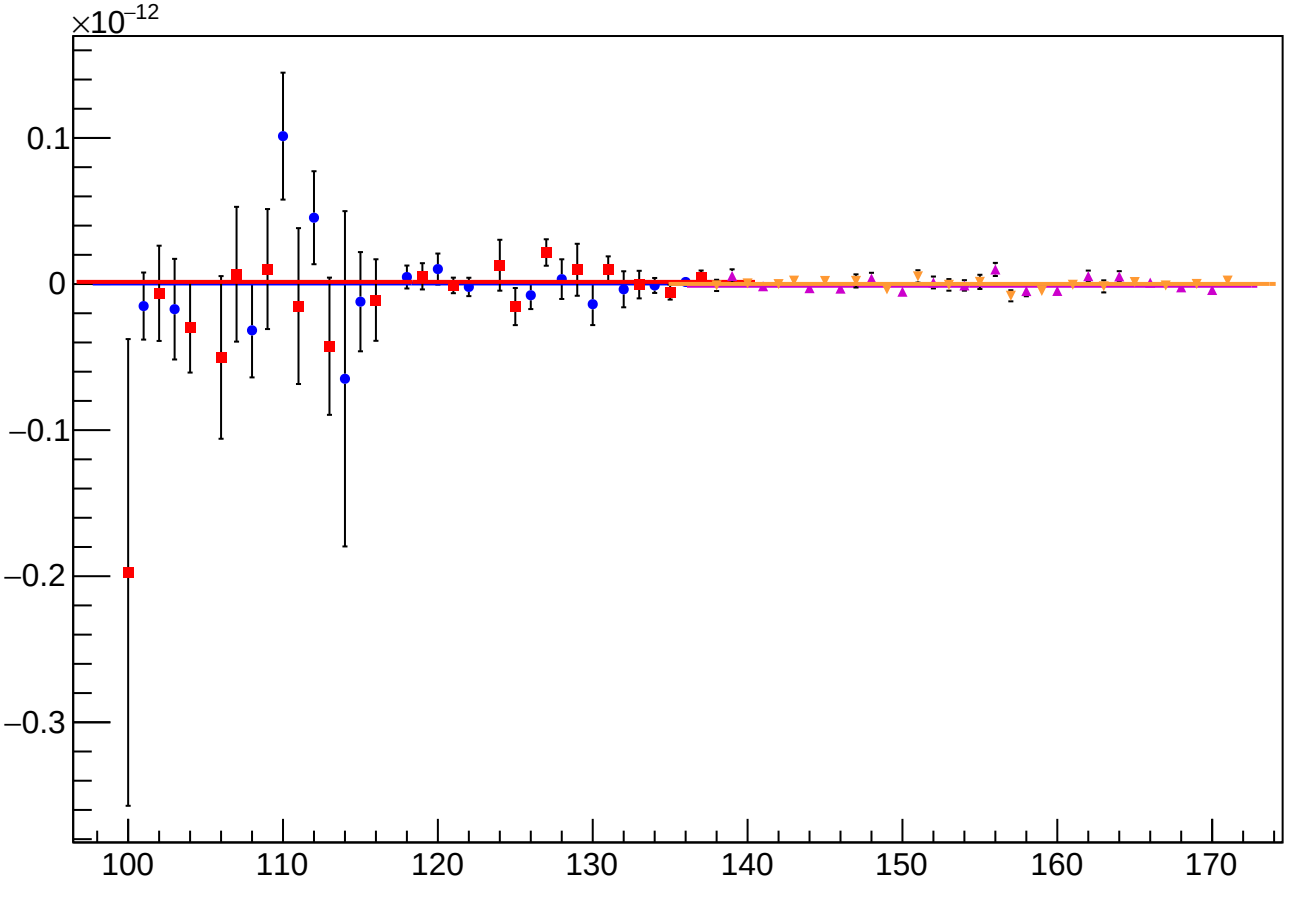
Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.836+/-0.003 χ^2/NDF:2371743.5/15

+ sign 16.411+/-0.003 χ^2/NDF: 6054909.1/33

All: 16.808+/-0.002 χ^2/NDF: 12402111.1/68

- sign 17.276+/-0.003 χ^2/NDF: 6302856.5/34



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/17

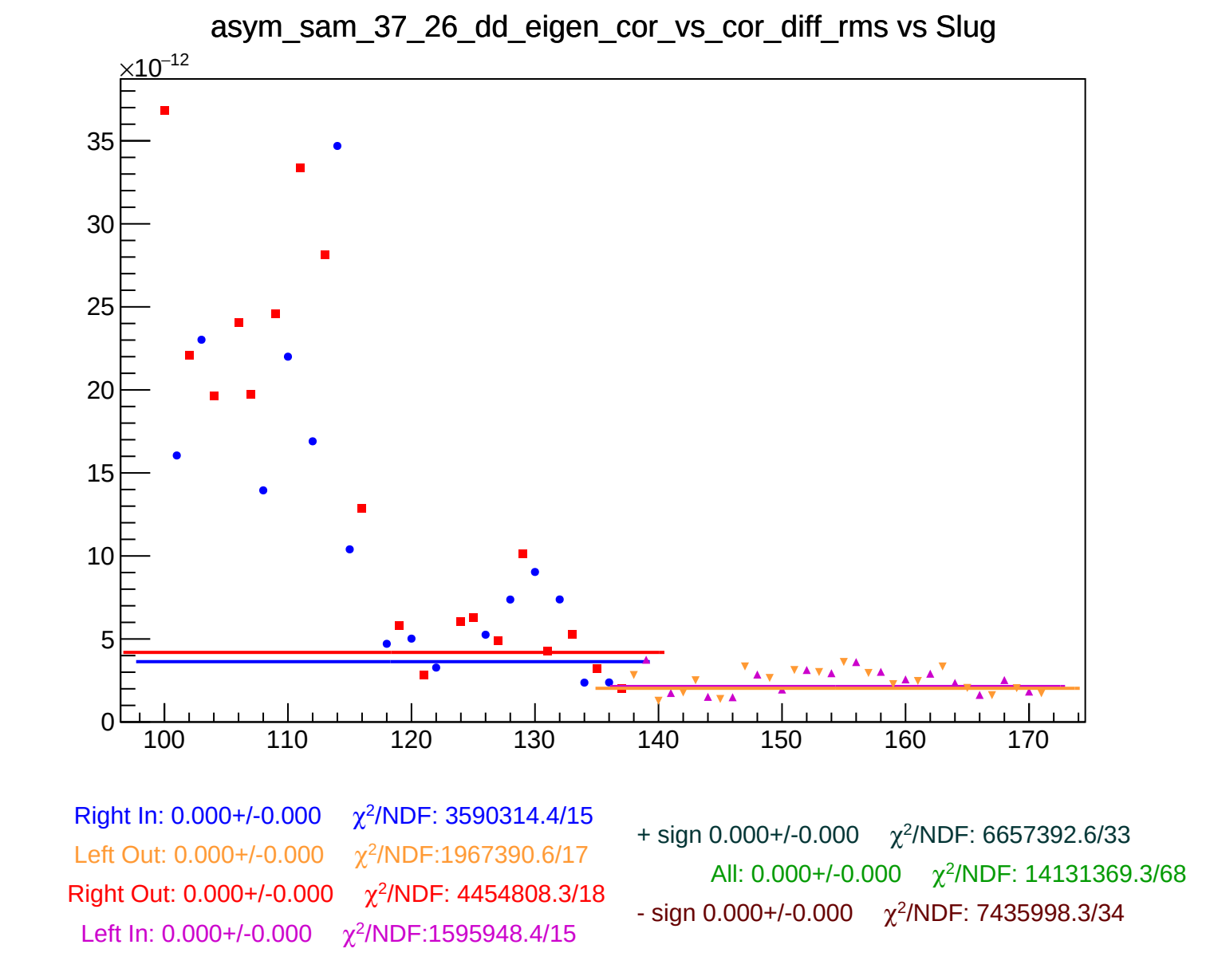
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/15

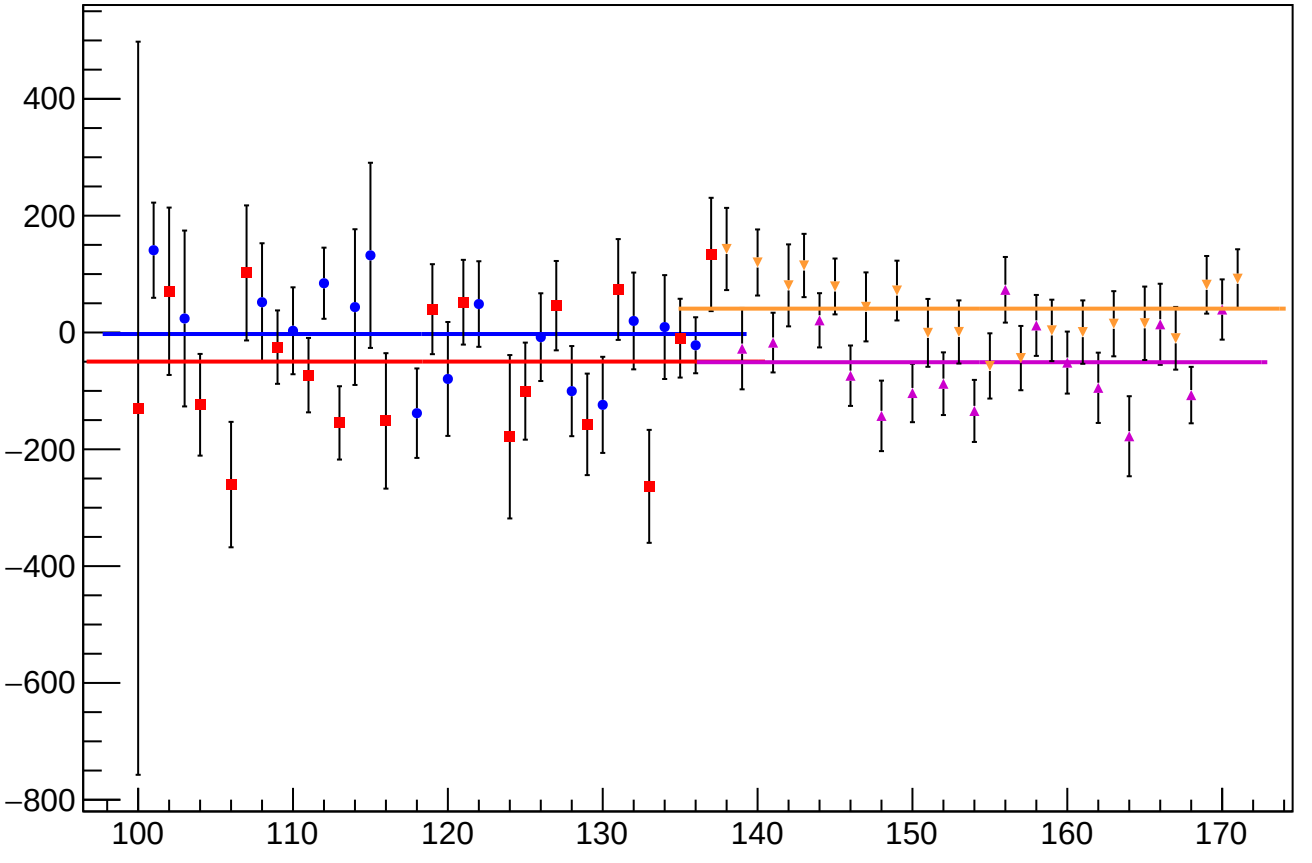
+ sign 0.000+/-0.000 χ^2/NDF: 26.5/33

All: -0.000+/-0.000 χ^2/NDF: 69.0/68

- sign -0.000+/-0.000 χ^2/NDF: 41.3/34


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1967390.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1595948.4/15
+ sign 0.000+/-0.000 χ²/NDF: 6657392.6/33
All: 0.000+/-0.000 χ²/NDF: 14131369.3/68
- sign 0.000+/-0.000 χ²/NDF: 7435998.3/34

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 40.827+/-13.041 χ^2/NDF:17.8/17

Right Out: -49.810+/-19.621 χ^2/NDF: 29.4/18

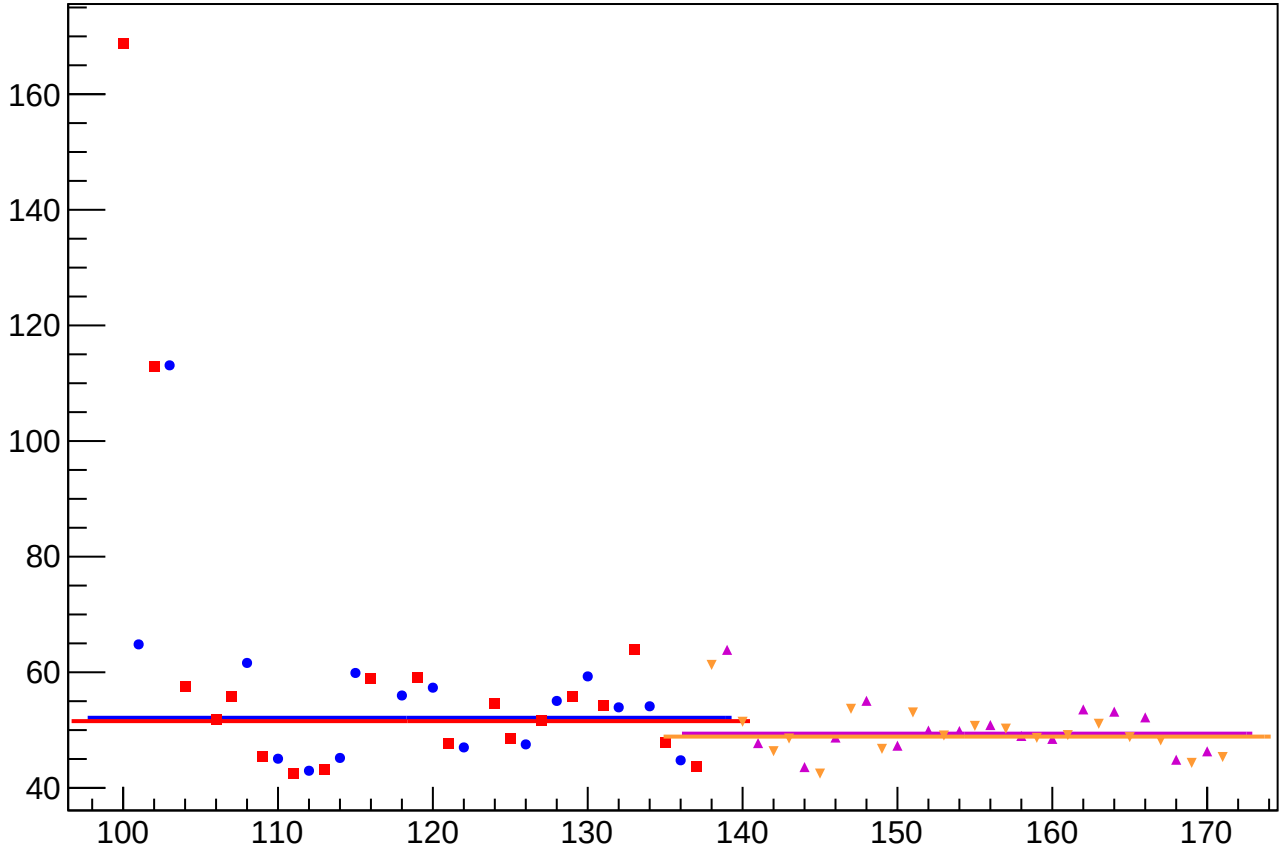
Left In: -50.888+/-13.682 χ^2/NDF:25.1/15

+ sign 27.862+/-10.923 χ^2/NDF: 35.7/33

All: -10.276+/-7.828 χ^2/NDF: 115.2/68

- sign -50.535+/-11.223 χ^2/NDF: 54.4/34

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.2/17

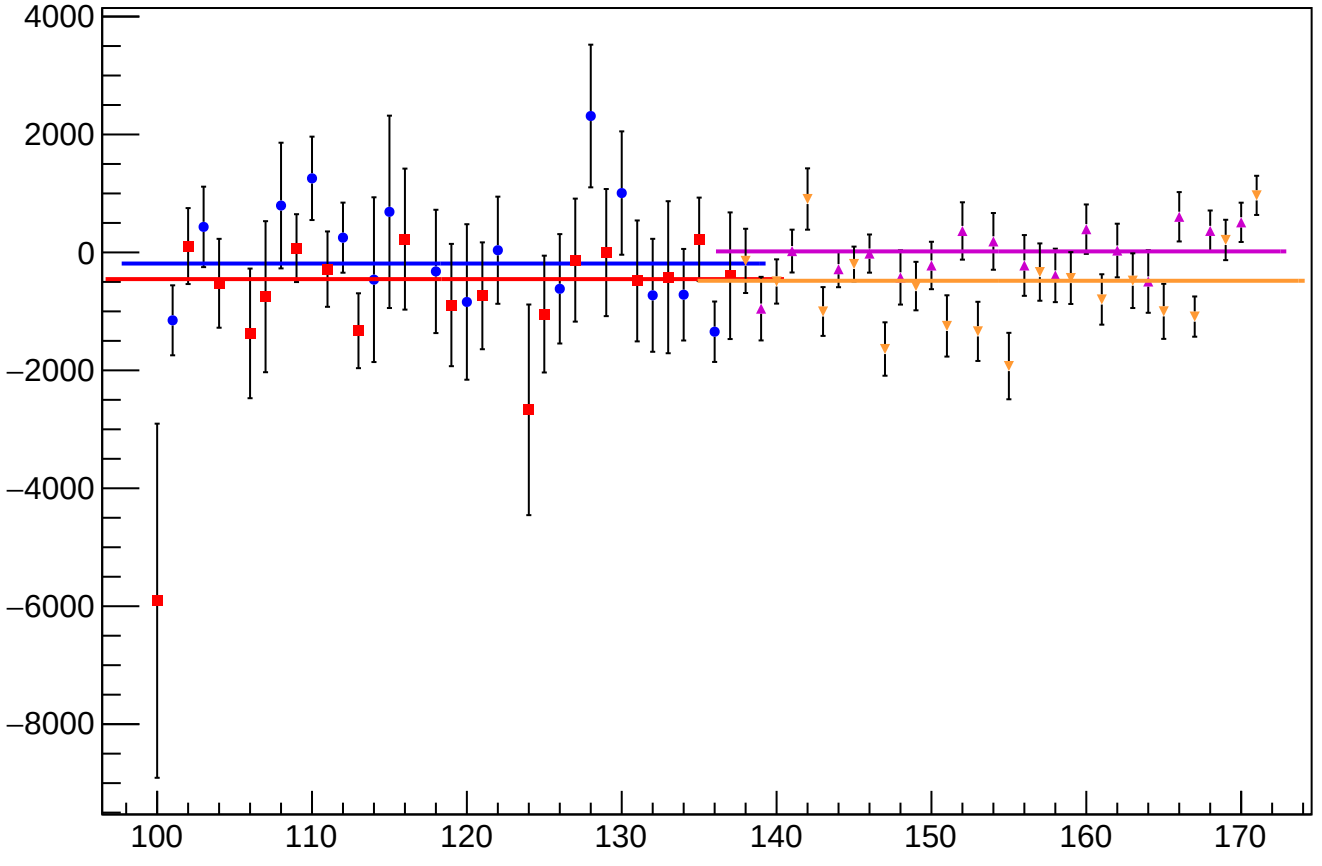
Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

+ sign 49.845+/-0.008 χ^2/NDF: 765630.7/33

All: 49.965+/-0.006 χ^2/NDF: 1609352.7/68

- sign 50.092+/-0.008 χ^2/NDF: 843226.6/34



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -480.753+/-98.322 χ^2/NDF:56.4/17

Right Out: -452.540+/-203.918 χ^2/NDF: 11.3/18

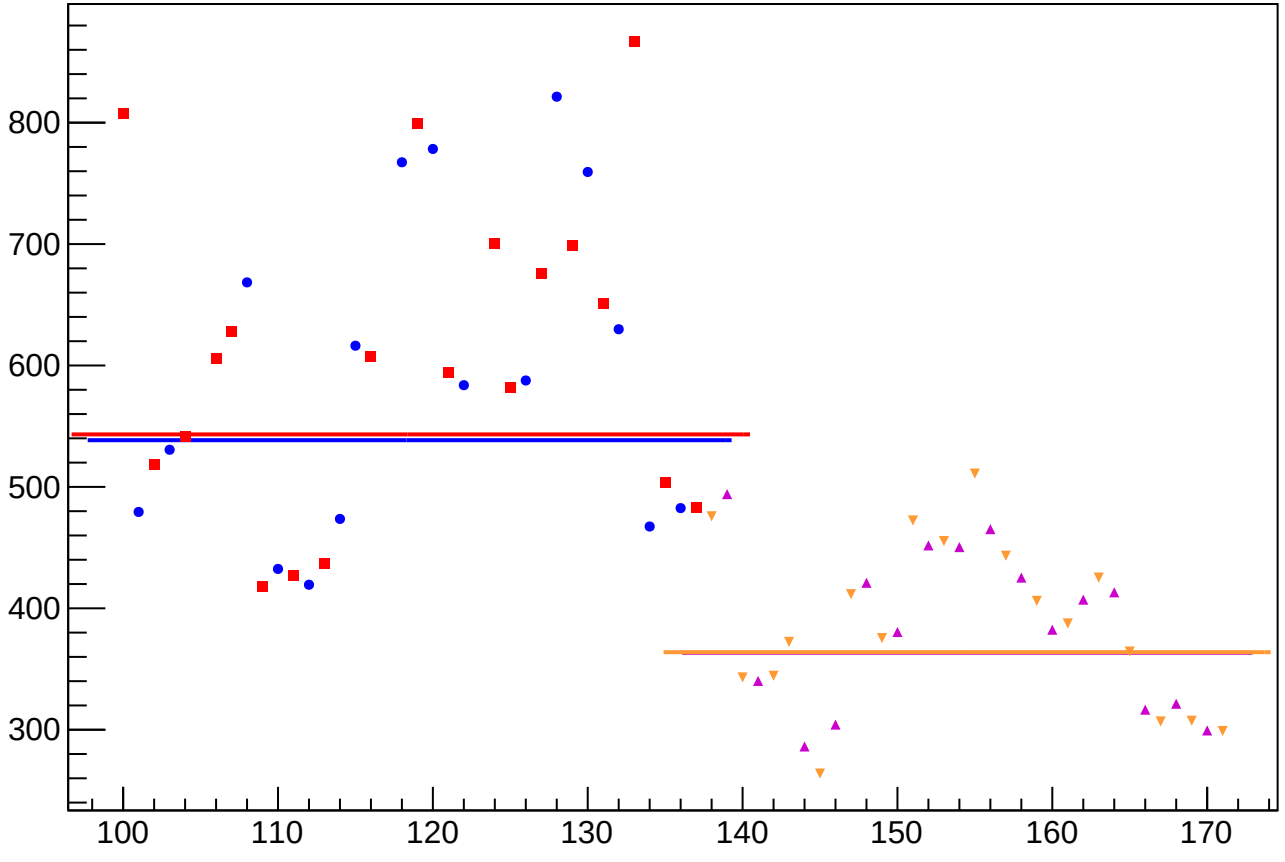
Left In: 17.235+/-101.801 χ^2/NDF:14.1/15

+ sign -426.459+/-88.718 χ^2/NDF: 79.4/33

All: -256.072+/-63.552 χ^2/NDF: 116.6/68

- sign -76.486+/-91.082 χ^2/NDF: 29.6/34

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 363.871+/-0.070 χ^2/NDF:937836.7/17

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

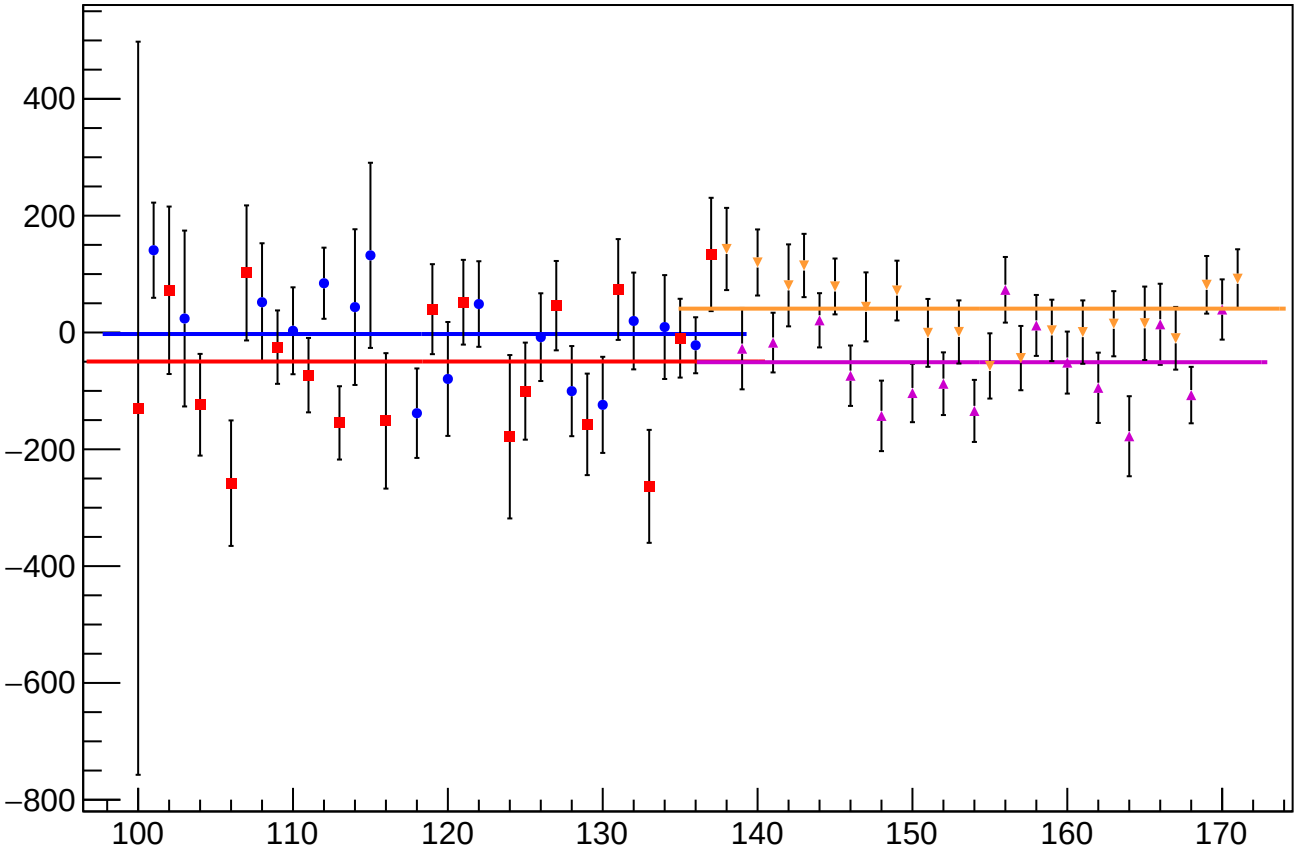
Left In: 363.380+/-0.072 χ^2/NDF:770214.8/15

+ sign 396.314+/-0.063 χ^2/NDF: 2723722.8/33

All: 397.750+/-0.045 χ^2/NDF: 5377662.9/68

- sign 399.263+/-0.064 χ^2/NDF: 2652864.1/34

cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.829+/-13.041 χ^2/NDF:17.8/17

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

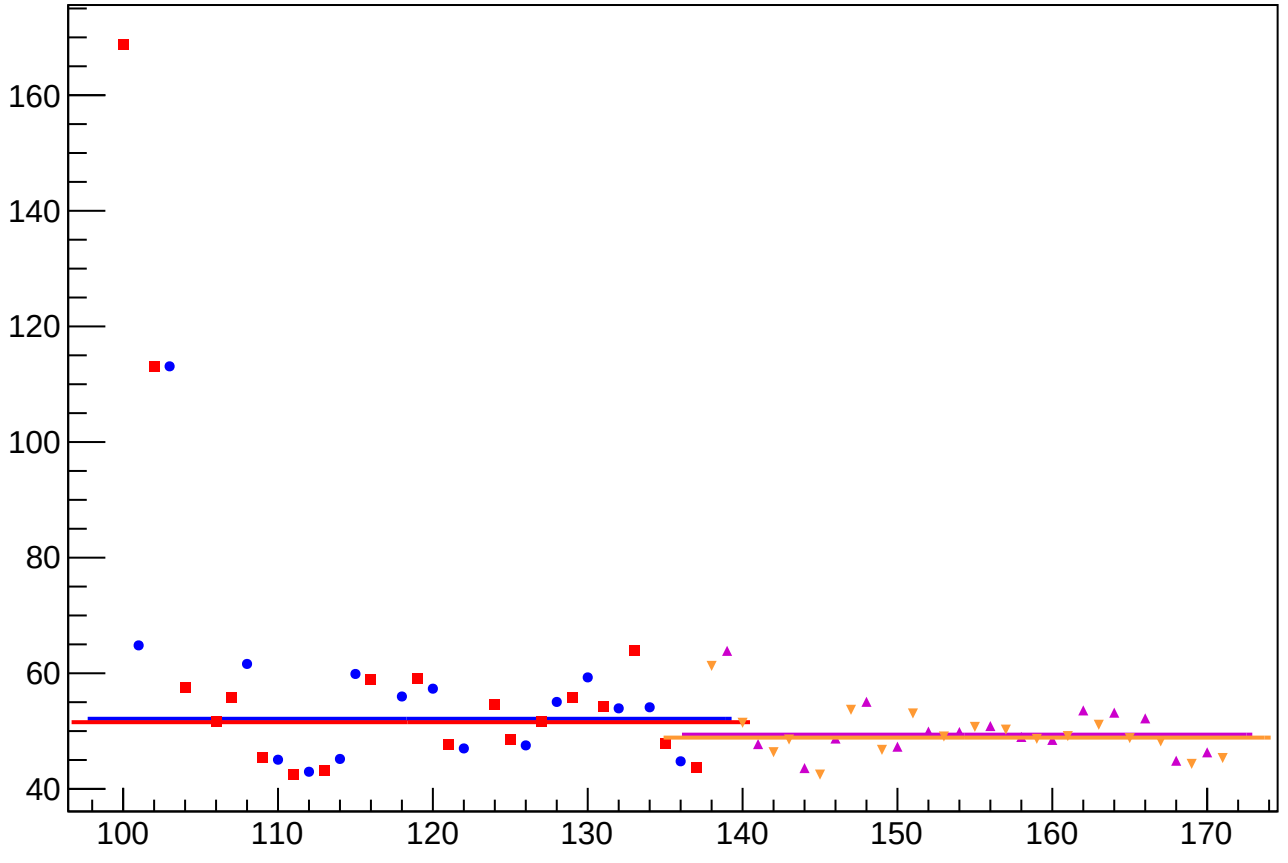
Left In: -50.886+/-13.682 χ^2/NDF:25.1/15

+ sign 27.862+/-10.923 χ^2/NDF: 35.7/33

All: -10.257+/-7.828 χ^2/NDF: 115.1/68

- sign -50.496+/-11.223 χ^2/NDF: 54.3/34

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.1/17

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

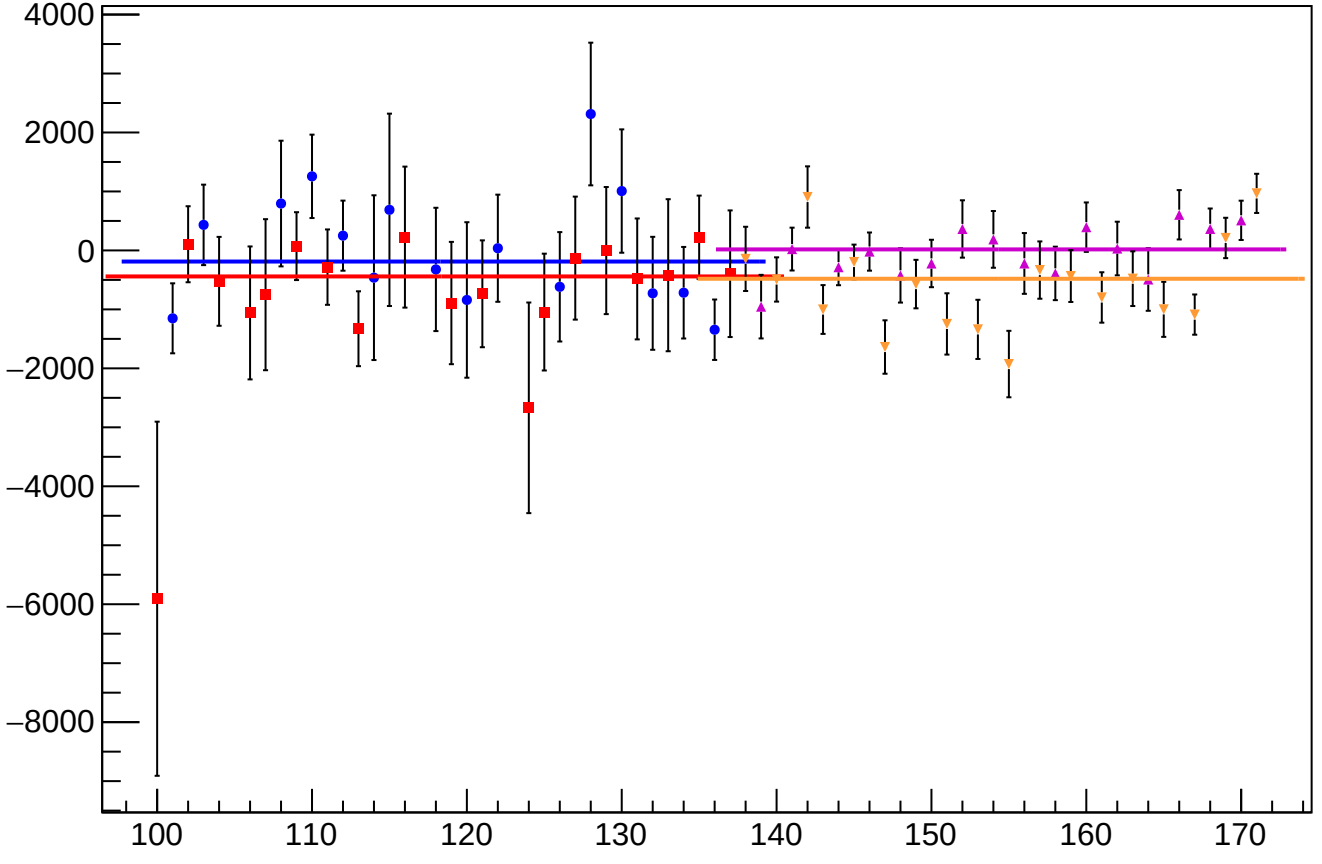
Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

+ sign 49.845+/-0.008 χ^2/NDF: 765632.9/33

All: 49.964+/-0.006 χ^2/NDF: 1609404.9/68

- sign 50.088+/-0.008 χ^2/NDF: 843290.1/34

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -480.750+/-98.322 χ^2/NDF:56.4/17

Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

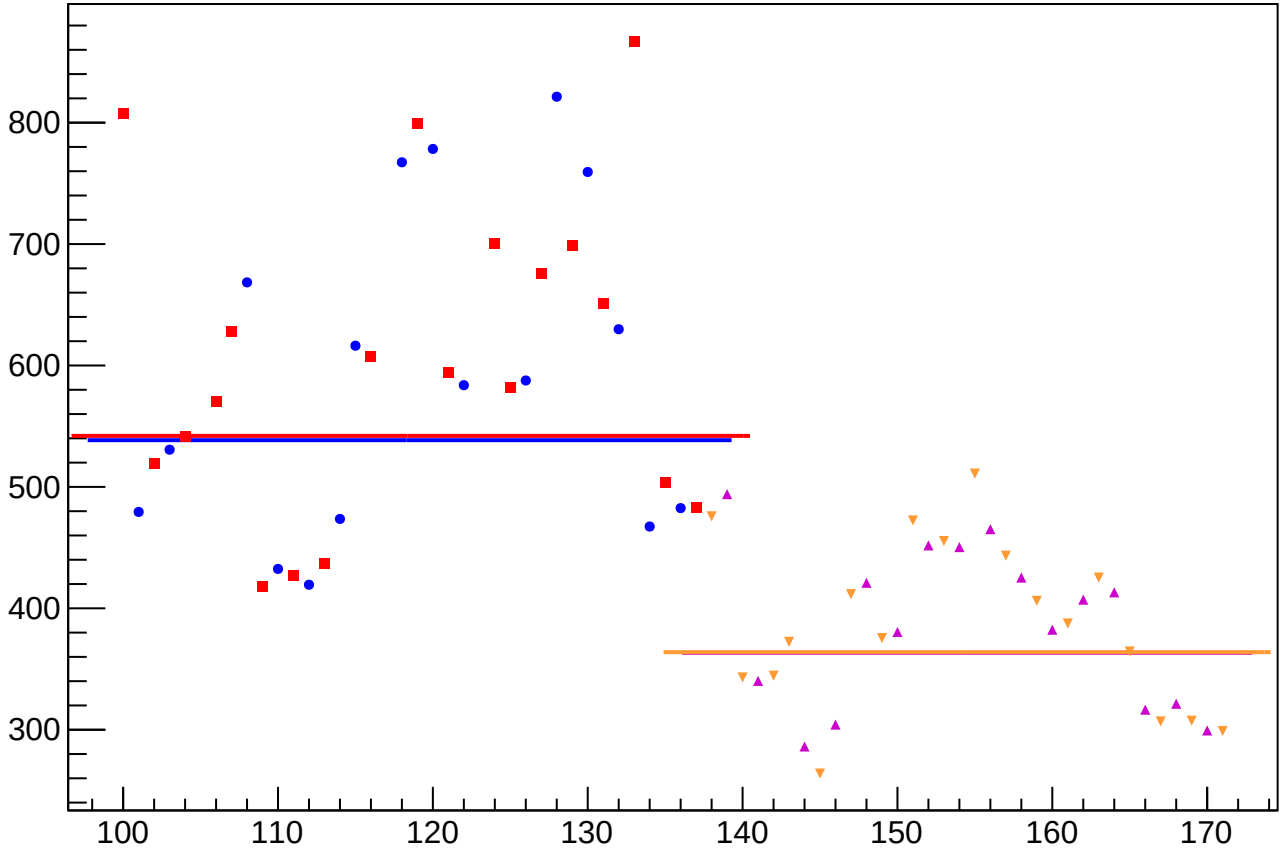
Left In: 17.234+/-101.801 χ^2/NDF:14.1/15

+ sign -426.453+/-88.718 χ^2/NDF: 79.4/33

All: -254.931+/-63.558 χ^2/NDF: 116.1/68

- sign -74.081+/-91.099 χ^2/NDF: 29.0/34

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 363.871+/-0.070 χ^2/NDF:937841.7/17

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

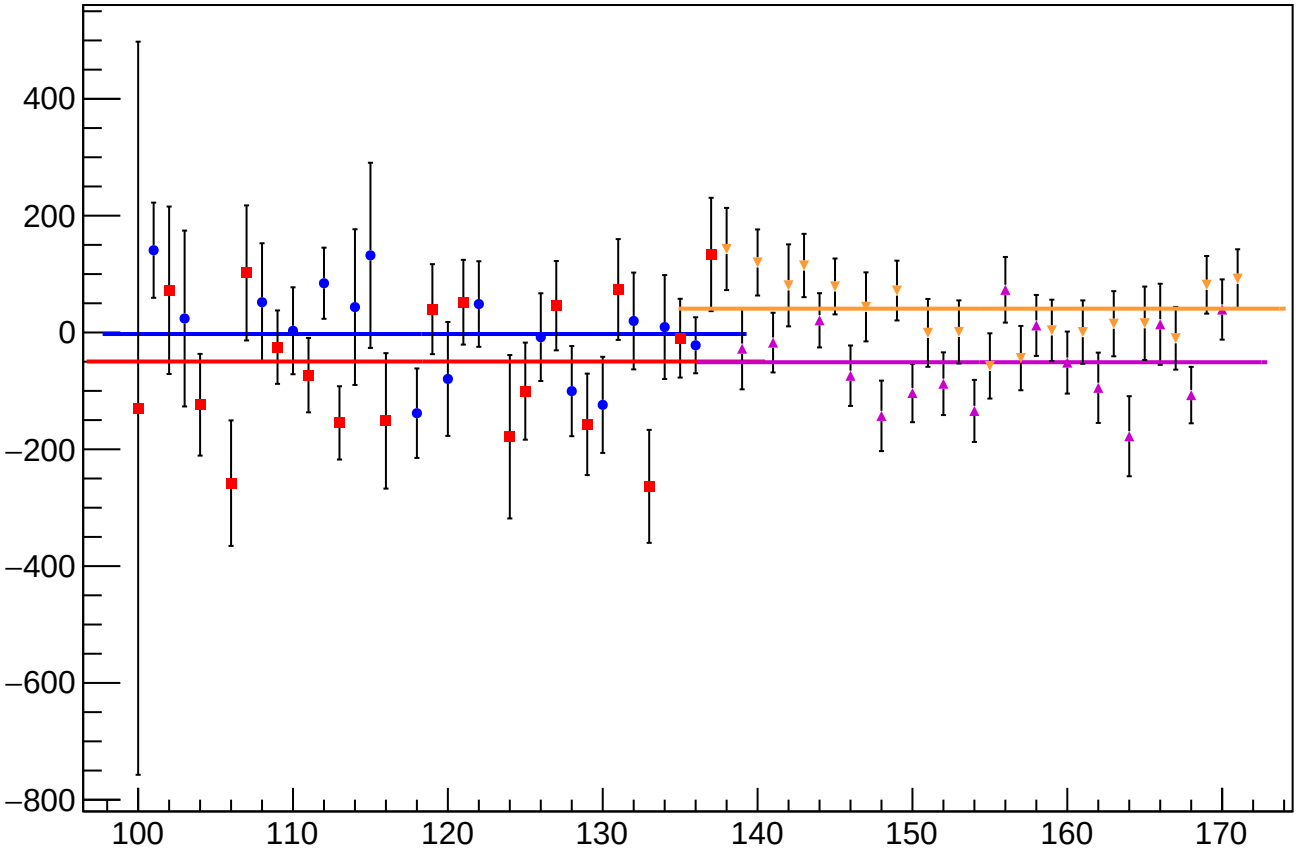
Left In: 363.380+/-0.072 χ^2/NDF:770213.6/15

+ sign 396.314+/-0.063 χ^2/NDF: 2723779.4/33

All: 397.605+/-0.045 χ^2/NDF: 5353307.0/68

- sign 398.967+/-0.064 χ^2/NDF: 2628657.6/34

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.829+/-13.041 χ^2/NDF:17.8/17

Right Out: -49.694+/-19.622 χ^2/NDF: 29.3/18

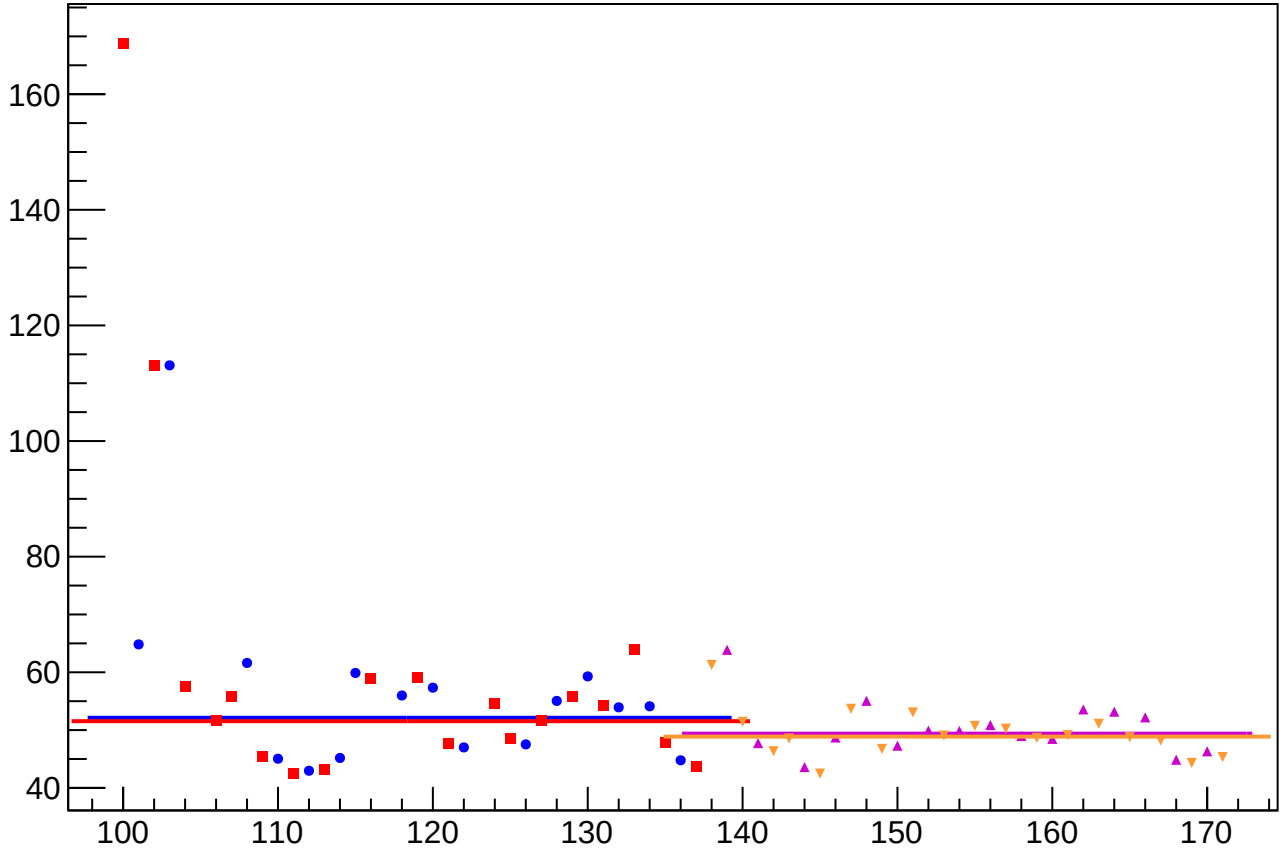
Left In: -50.886+/-13.682 χ^2/NDF:25.1/15

+ sign 27.862+/-10.923 χ^2/NDF: 35.7/33

All: -10.257+/-7.828 χ^2/NDF: 115.1/68

- sign -50.496+/-11.223 χ^2/NDF: 54.3/34

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.1/17

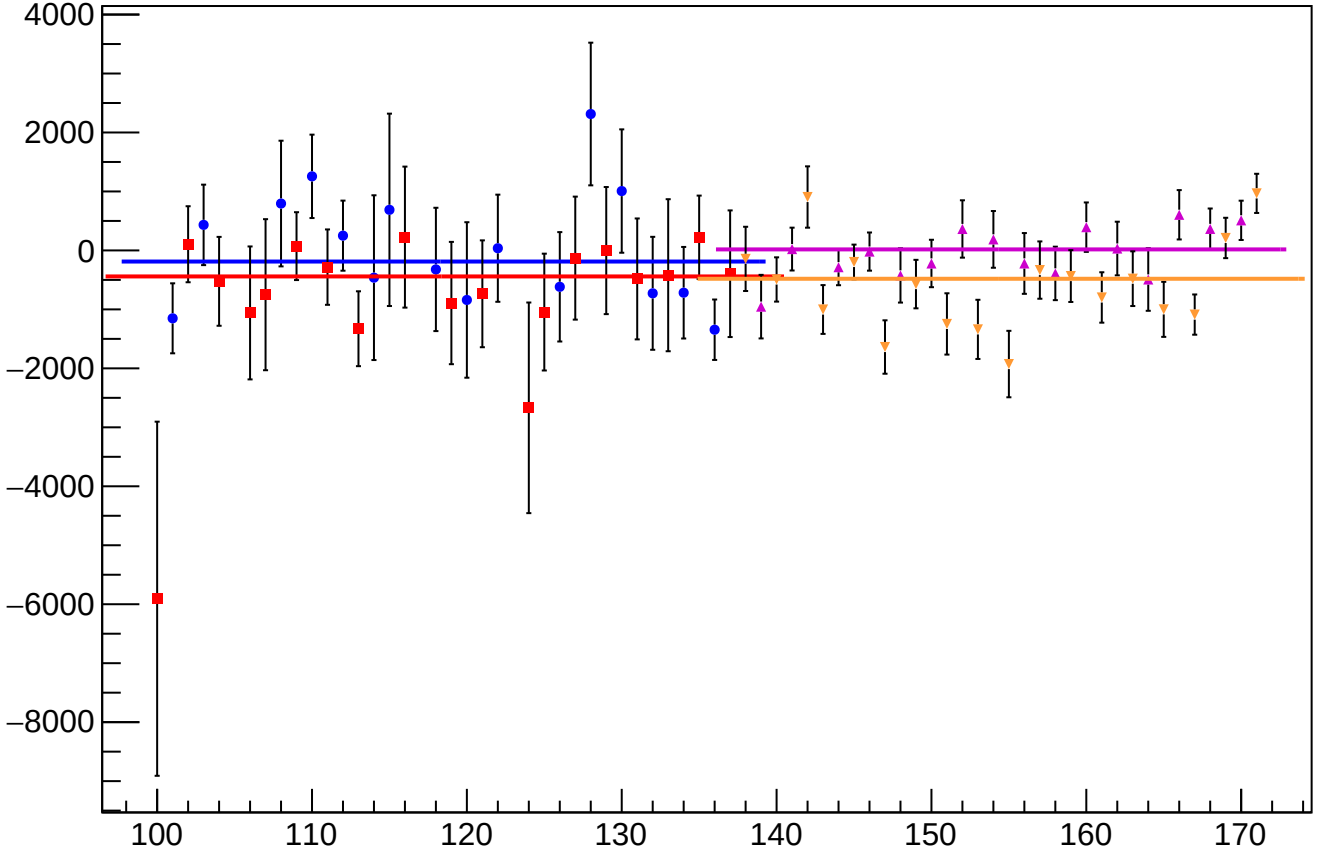
Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.383+/-0.010 χ^2/NDF:187247.8/15

+ sign 49.845+/-0.008 χ^2/NDF: 765632.9/33

All: 49.964+/-0.006 χ^2/NDF: 1609404.9/68

- sign 50.088+/-0.008 χ^2/NDF: 843290.1/34



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -480.750+/-98.322 χ^2/NDF:56.4/17

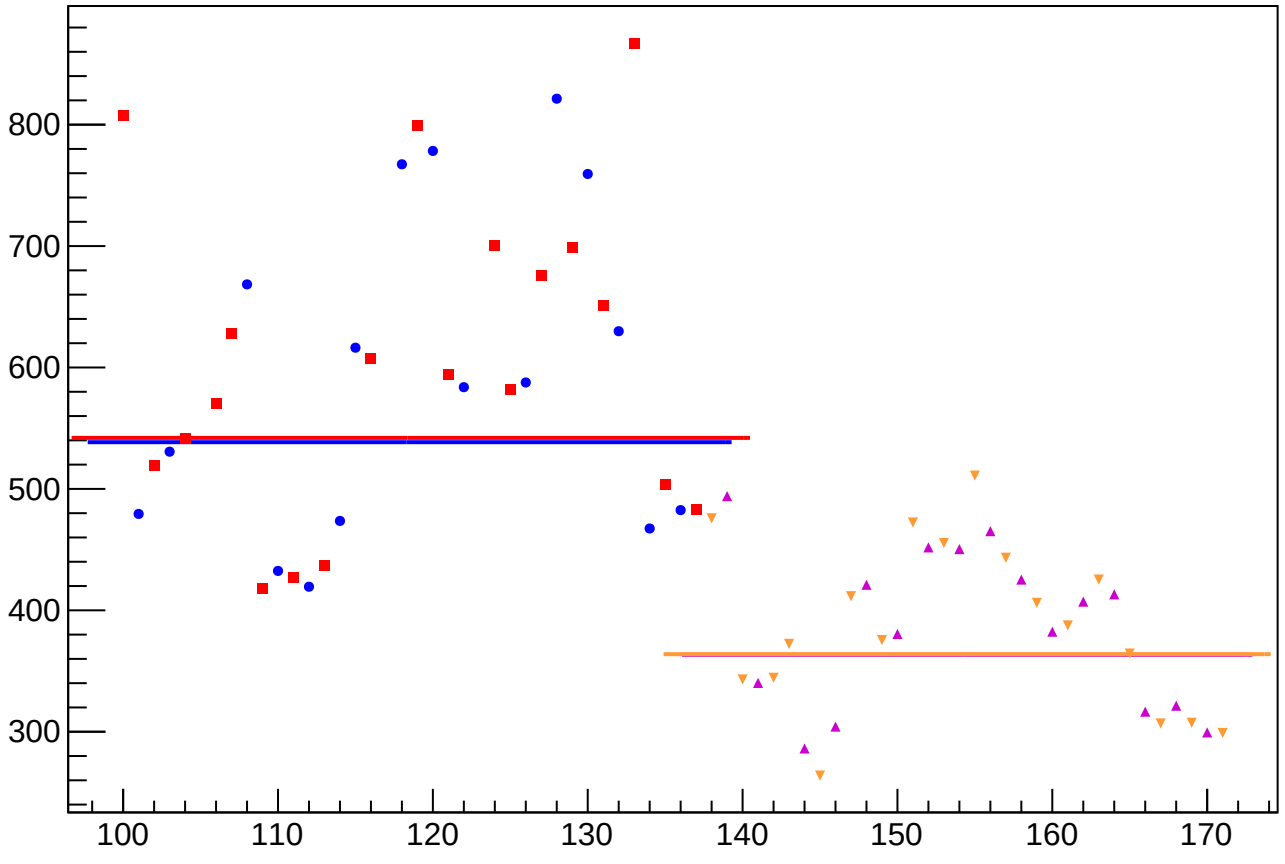
Right Out: -441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 17.234+/-101.801 χ^2/NDF:14.1/15

+ sign -426.453+/-88.718 χ^2/NDF: 79.4/33

All: -254.931+/-63.558 χ^2/NDF: 116.1/68

- sign -74.081+/-91.099 χ^2/NDF: 29.0/34



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 363.871+/-0.070 χ^2/NDF:937841.7/17

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

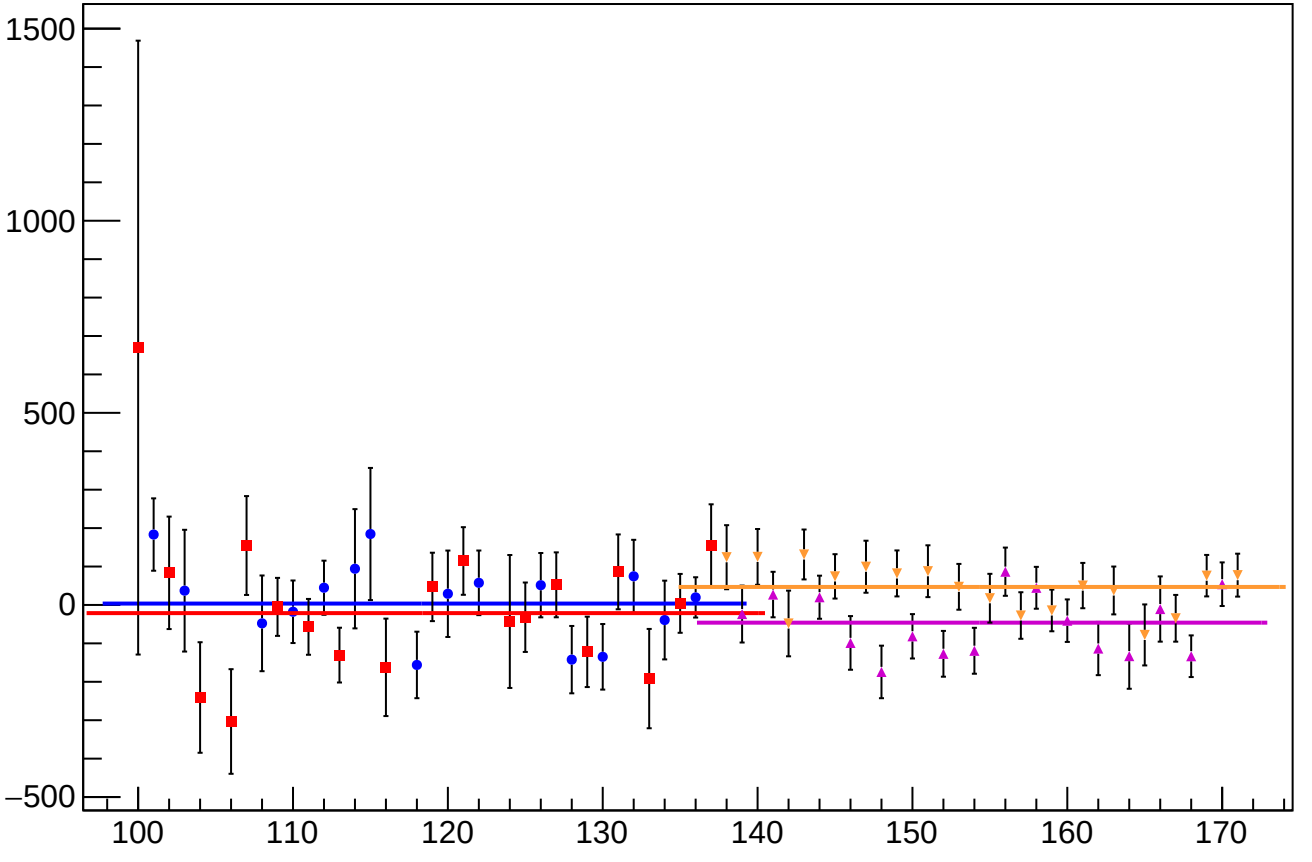
Left In: 363.380+/-0.072 χ^2/NDF:770213.6/15

+ sign 396.314+/-0.063 χ^2/NDF: 2723779.4/33

All: 397.605+/-0.045 χ^2/NDF: 5353307.0/68

- sign 398.967+/-0.064 χ^2/NDF: 2628657.6/34

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.860+/-14.900 χ^2/NDF:14.4/17

Right Out: -21.253+/-22.769 χ^2/NDF: 24.4/18

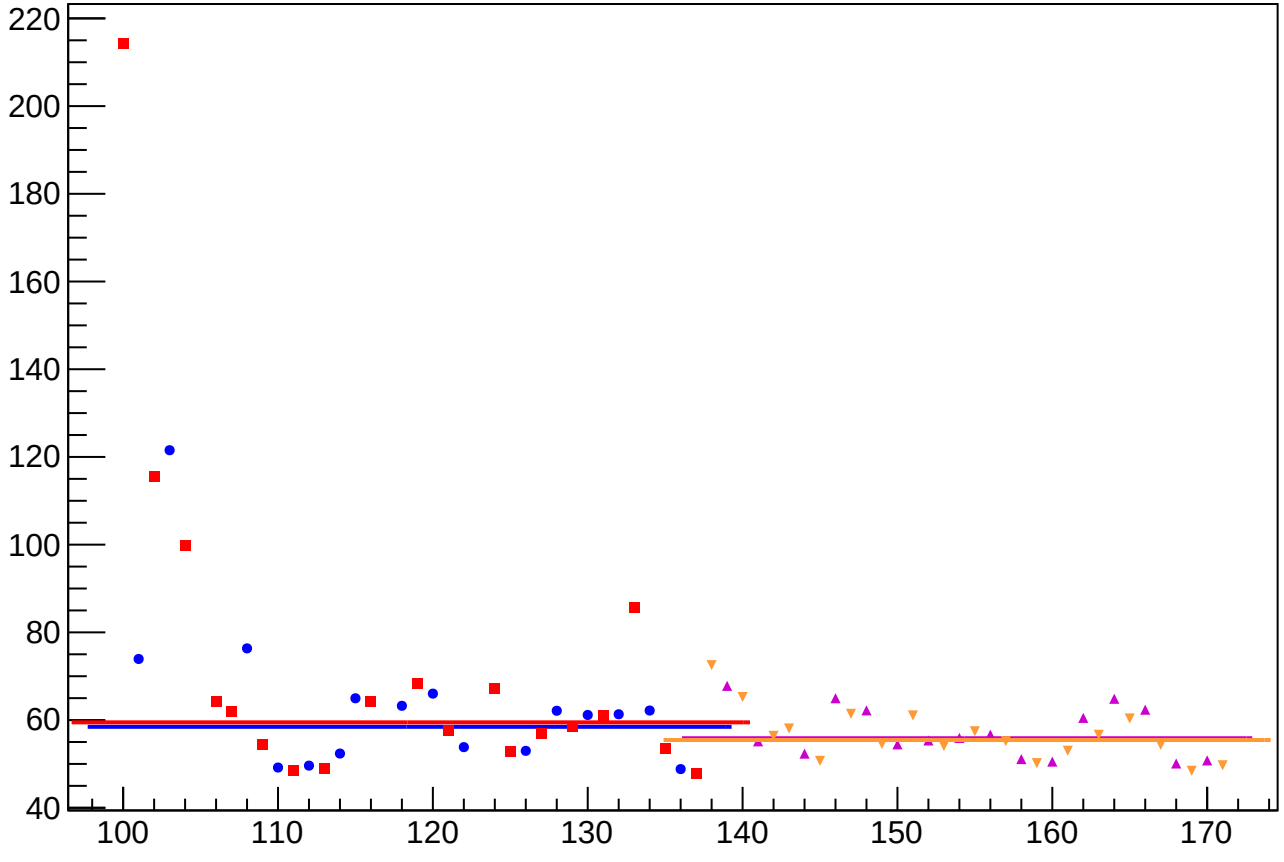
Left In: -46.113+/-15.582 χ^2/NDF:25.9/15

+ sign 33.655+/-12.420 χ^2/NDF: 33.1/33

All: -1.015+/-8.933 χ^2/NDF: 100.4/68

- sign -38.183+/-12.859 χ^2/NDF: 51.2/34

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.450+/-0.011 χ^2/NDF:256626.8/17

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

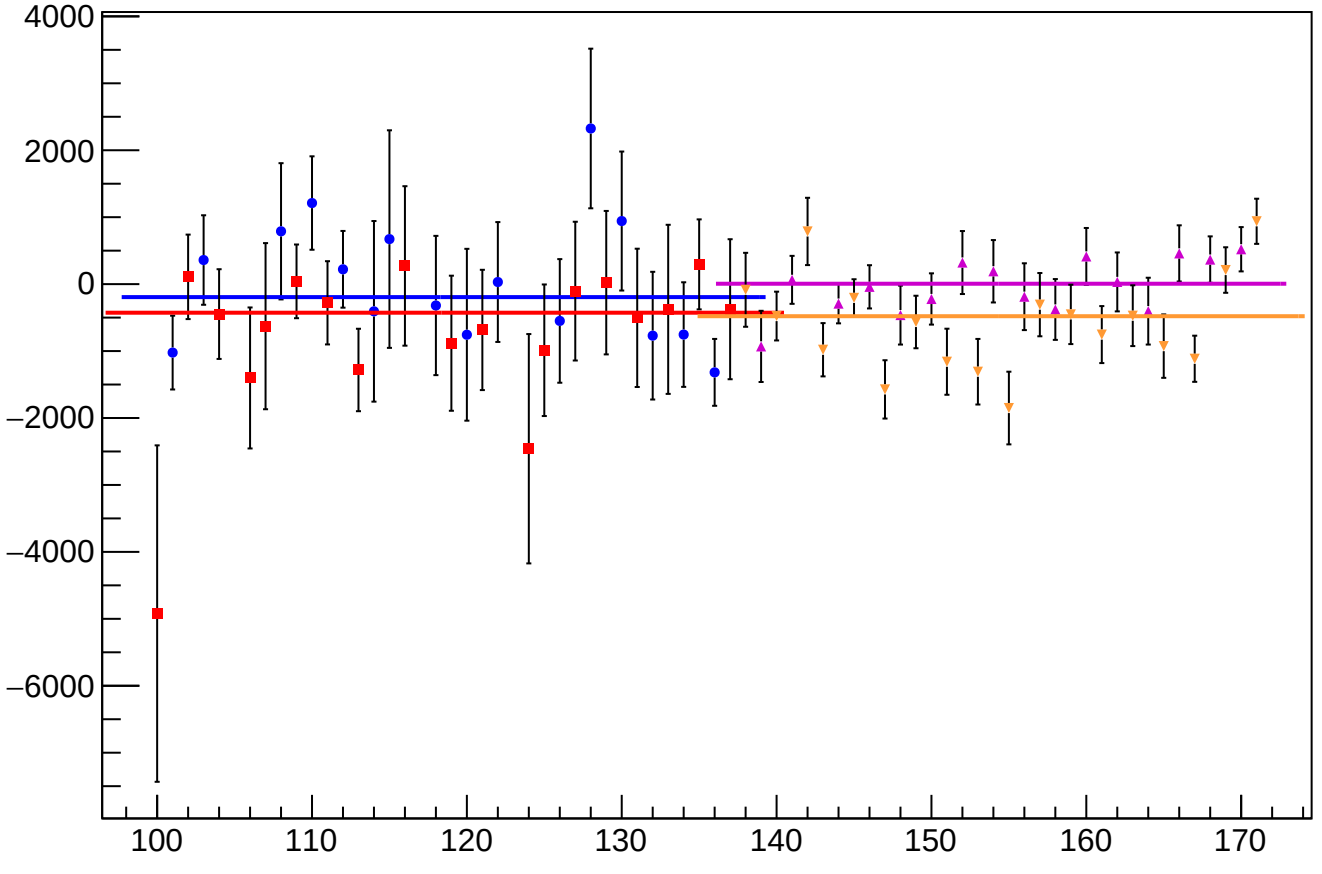
Left In: 55.862+/-0.011 χ^2/NDF:228490.0/15

+ sign 56.370+/-0.009 χ^2/NDF: 864615.7/33

All: 56.682+/-0.006 χ^2/NDF: 1915076.6/68

- sign 57.017+/-0.009 χ^2/NDF: 1047841.5/34

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -479.267+/-96.361 χ^2/NDF:53.5/17

Right Out: -426.977+/-197.005 χ^2/NDF: 11.3/18

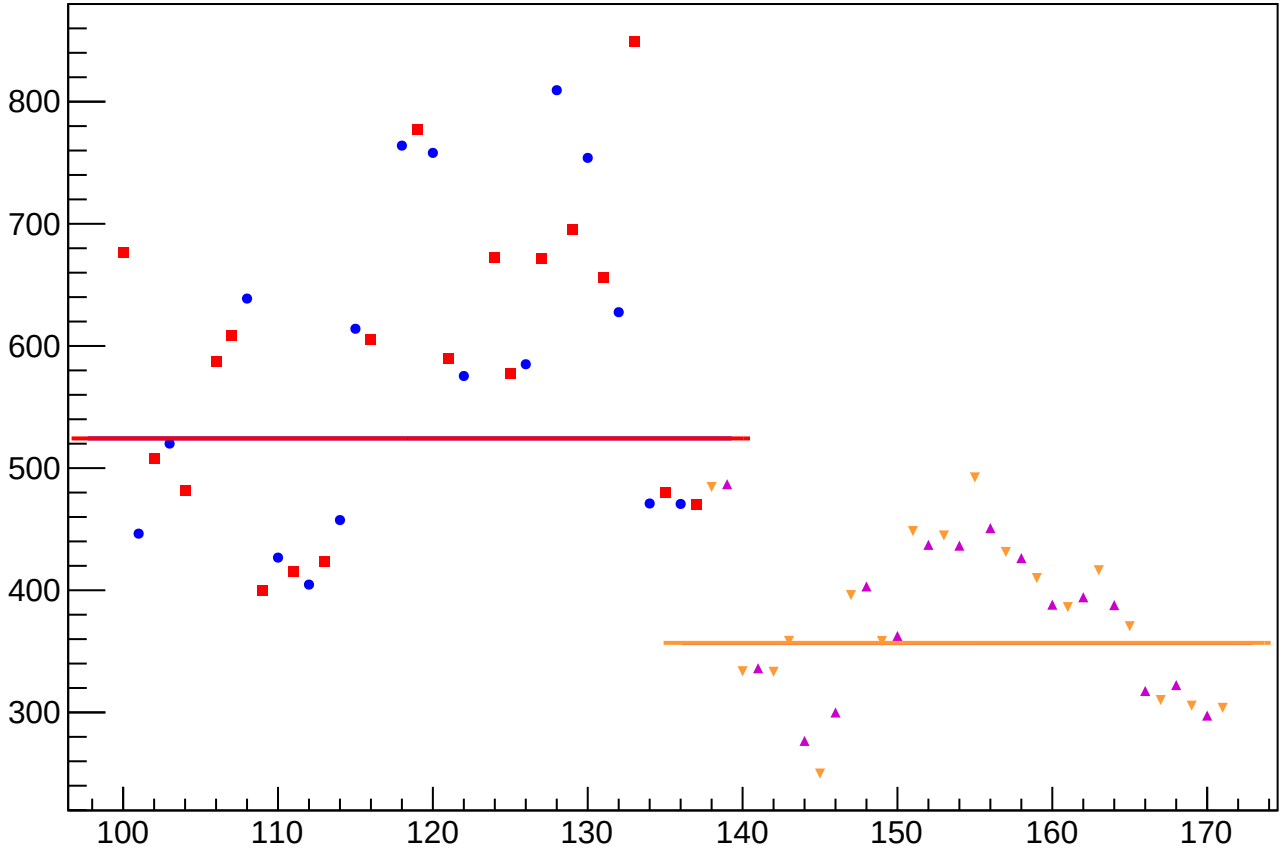
Left In: 5.922+/-99.904 χ^2/NDF:13.4/15

+ sign -425.765+/-86.860 χ^2/NDF: 76.0/33

All: -258.571+/-62.197 χ^2/NDF: 112.1/68

- sign -82.632+/-89.102 χ^2/NDF: 28.5/34

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 356.944+/-0.068 χ^2/NDF:945406.8/17

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

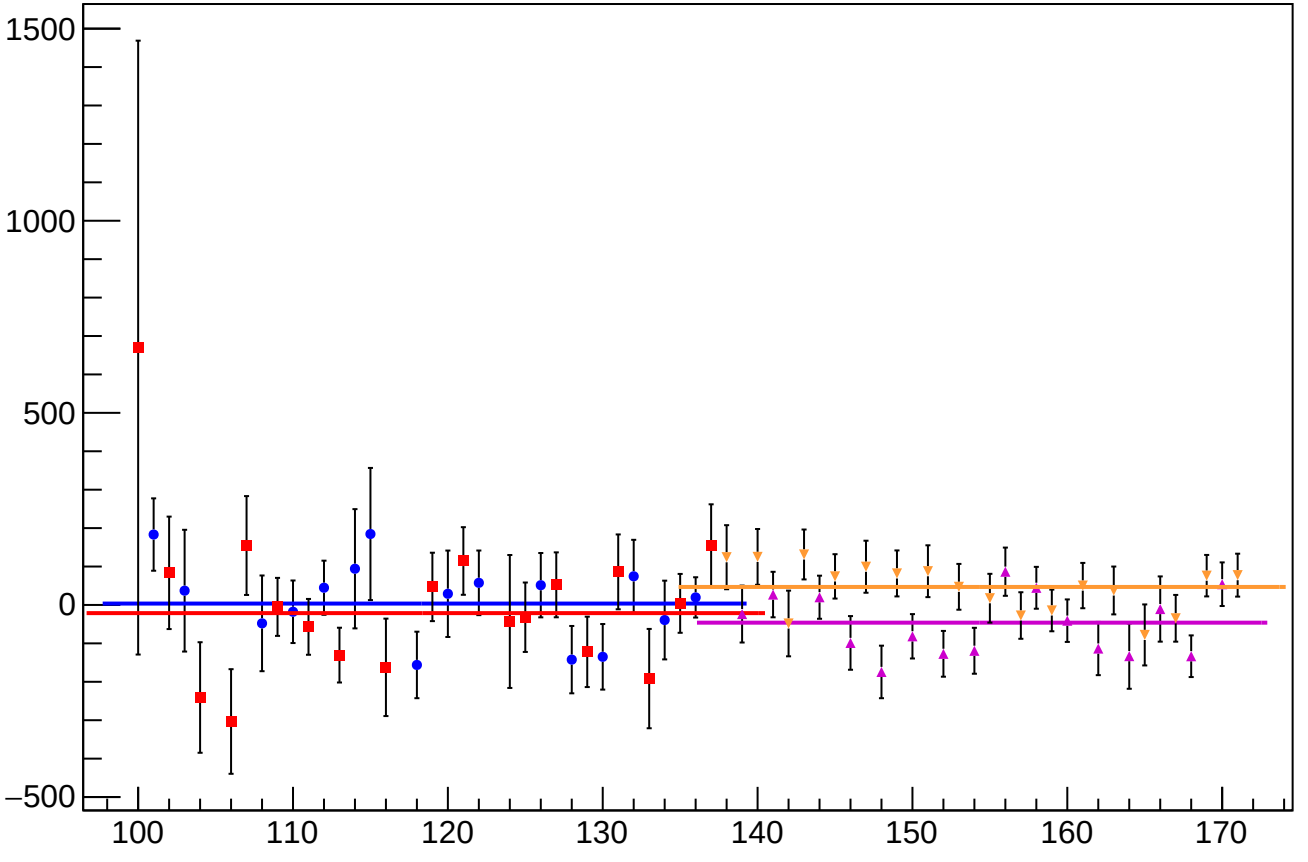
Left In: 356.779+/-0.071 χ^2/NDF:727901.4/15

+ sign 388.325+/-0.061 χ^2/NDF: 2735267.9/33

All: 389.652+/-0.044 χ^2/NDF: 5300608.5/68

- sign 391.048+/-0.063 χ^2/NDF: 2564382.8/34

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.861+/-14.900 χ^2/NDF:14.4/17

Right Out: -21.251+/-22.769 χ^2/NDF: 24.4/18

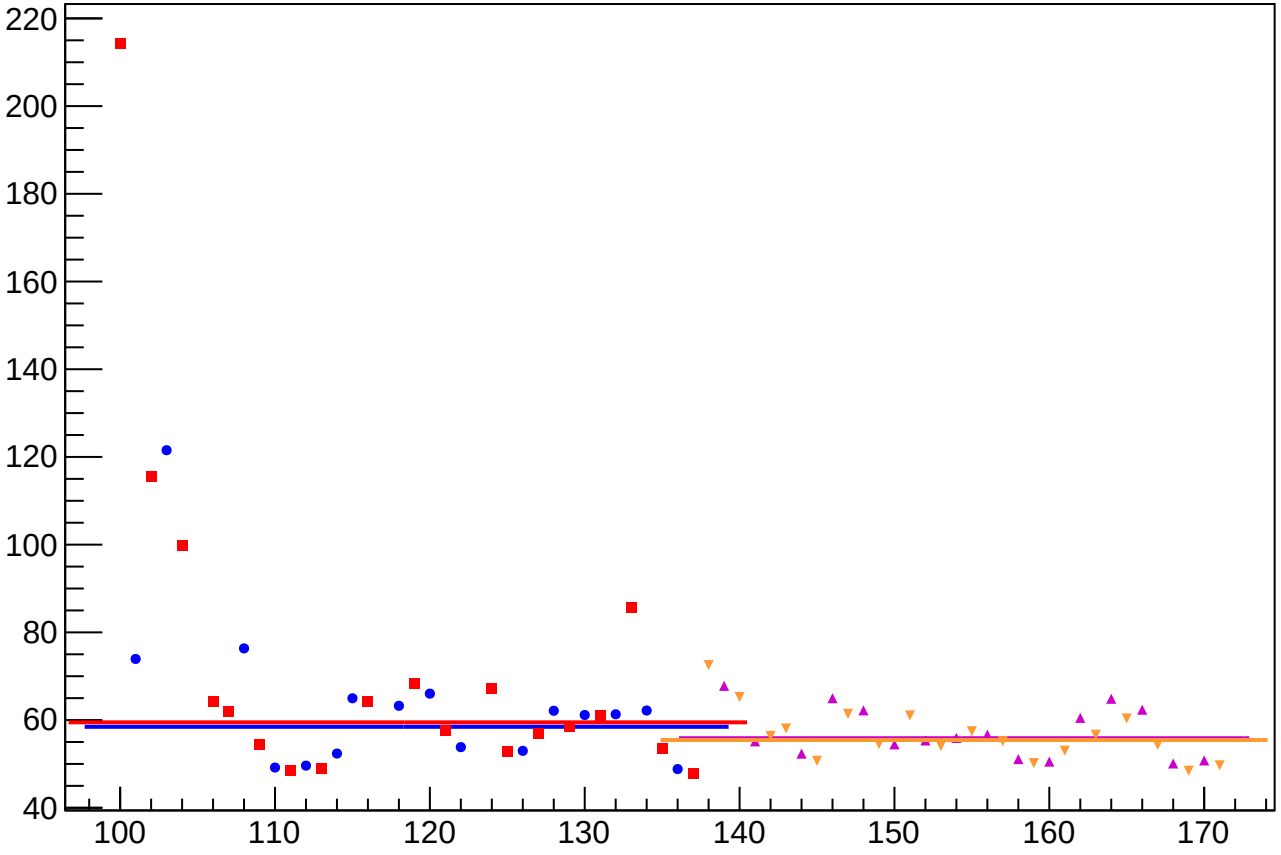
Left In: -46.113+/-15.583 χ^2/NDF:25.9/15

+ sign 33.655+/-12.420 χ^2/NDF: 33.1/33

All: -1.015+/-8.933 χ^2/NDF: 100.4/68

- sign -38.182+/-12.859 χ^2/NDF: 51.2/34

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.450+/-0.011 χ^2/NDF:256634.3/17

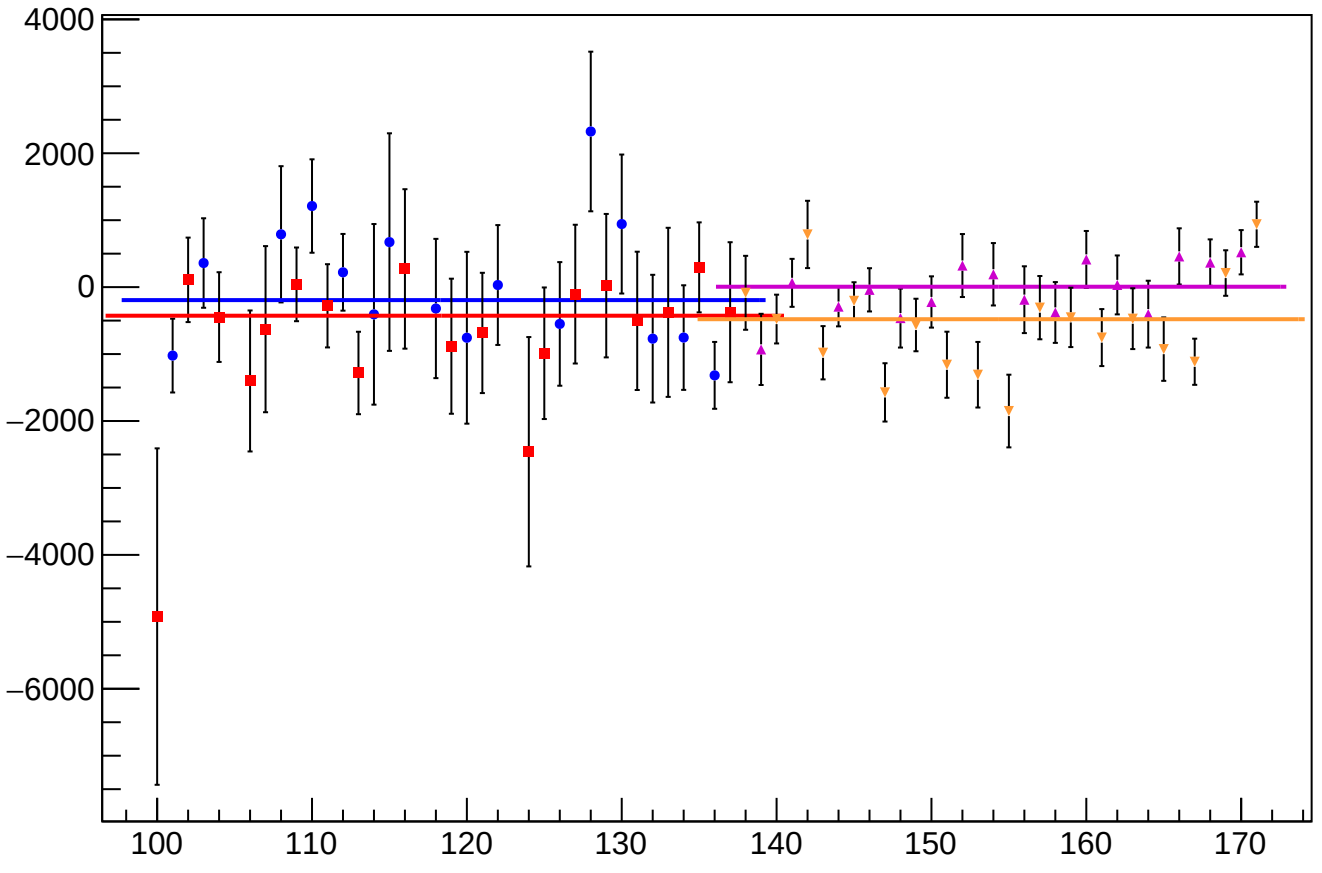
Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.862+/-0.011 χ^2/NDF:228492.7/15

+ sign 56.370+/-0.009 χ^2/NDF: 864619.1/33

All: 56.683+/-0.006 χ^2/NDF: 1915082.6/68

- sign 57.017+/-0.009 χ^2/NDF: 1047843.9/34



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -479.267+/-96.361 χ^2/NDF:53.5/17

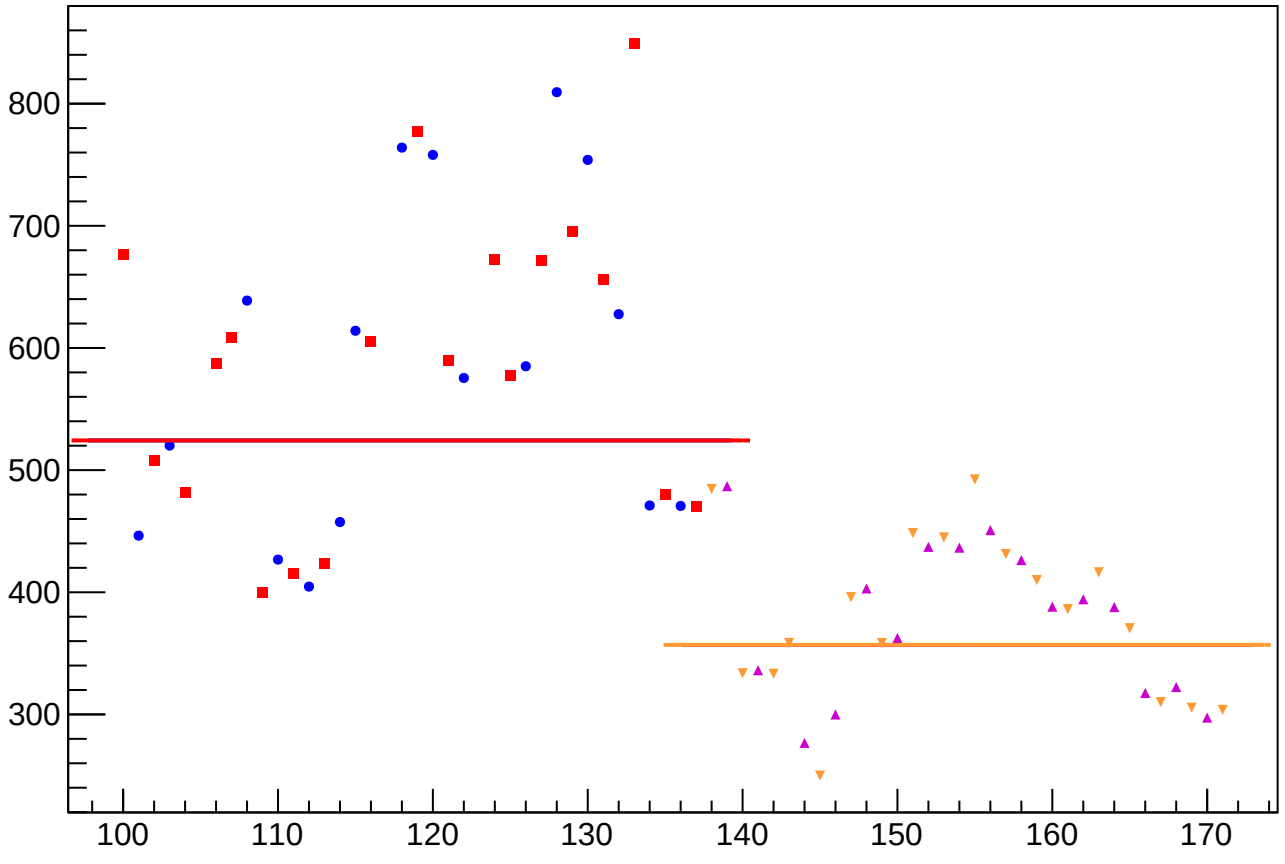
Right Out: -426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 5.923+/-99.904 χ^2/NDF:13.4/15

+ sign -425.765+/-86.860 χ^2/NDF: 76.0/33

All: -258.570+/-62.197 χ^2/NDF: 112.1/68

- sign -82.632+/-89.102 χ^2/NDF: 28.5/34



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 356.943+/-0.068 χ^2/NDF:945403.8/17

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

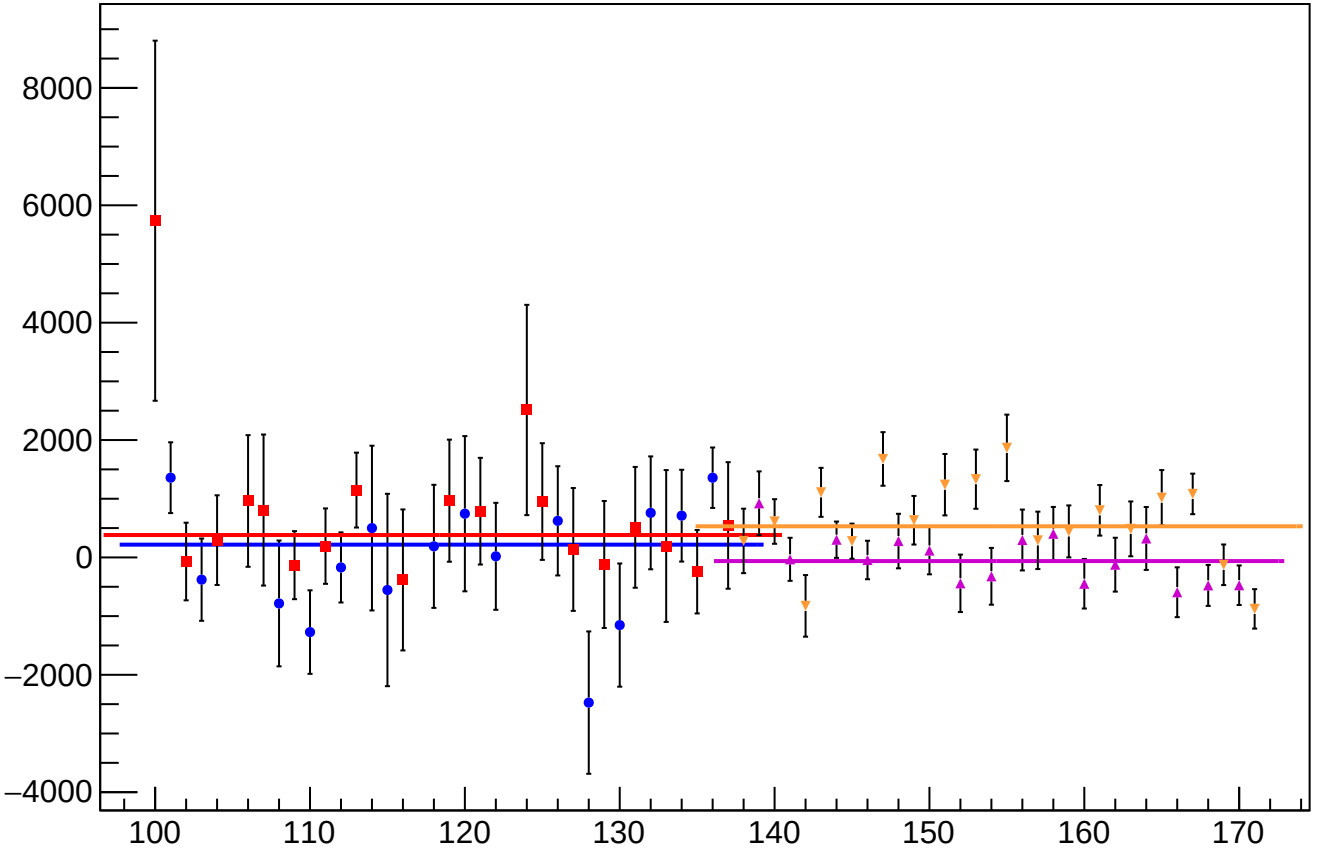
Left In: 356.778+/-0.071 χ^2/NDF:727897.3/15

+ sign 388.325+/-0.061 χ^2/NDF: 2735263.9/33

All: 389.652+/-0.044 χ^2/NDF: 5300596.1/68

- sign 391.048+/-0.063 χ^2/NDF: 2564374.3/34

asym_sam_1357_avg_mean vs Slug



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 530.515+/-99.263 χ^2/NDF:51.3/17

Right Out: 381.836+/-205.585 χ^2/NDF: 10.0/18

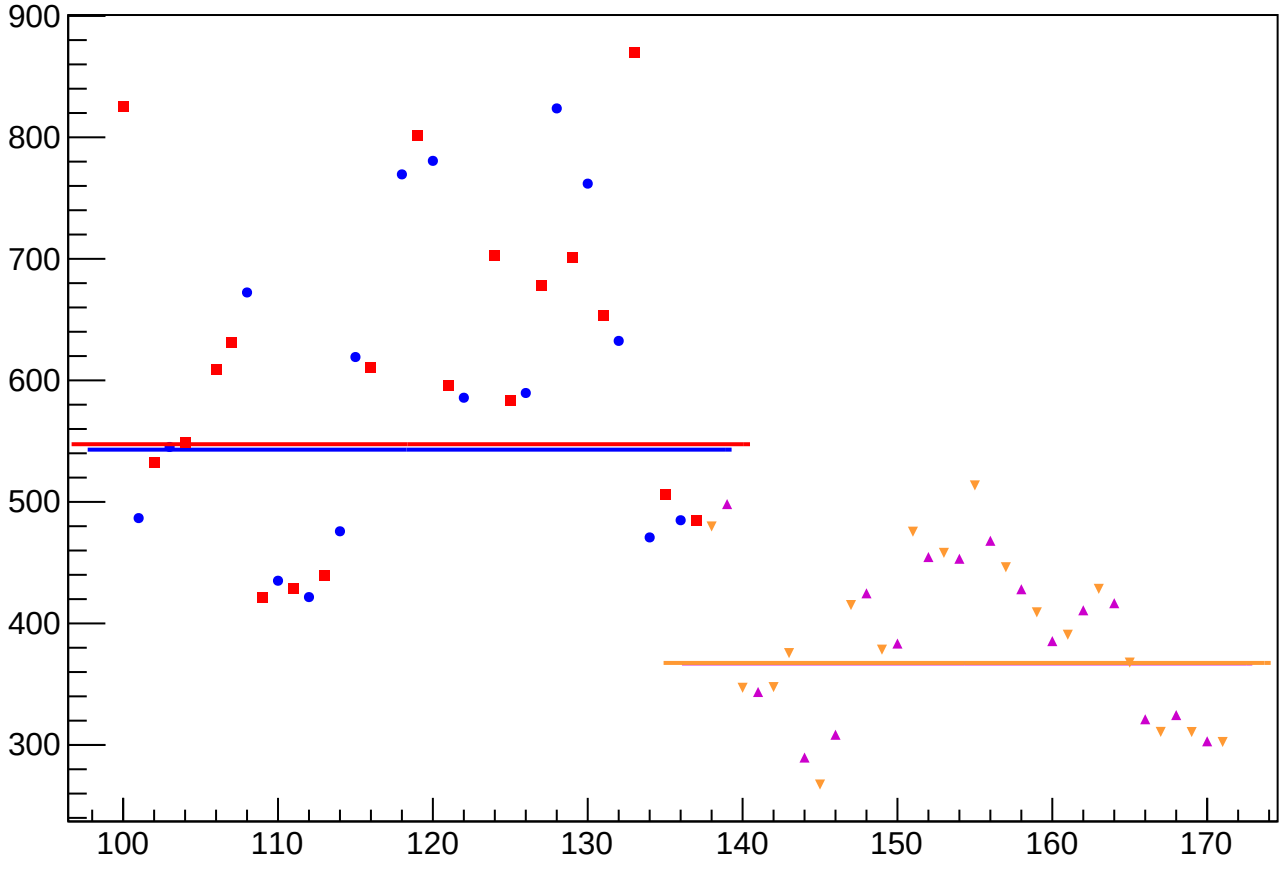
Left In: -62.143+/-102.802 χ^2/NDF:13.7/15

+ sign 472.268+/-89.544 χ^2/NDF: 76.1/33

All: 255.367+/-64.150 χ^2/NDF: 115.5/68

- sign 26.666+/-91.947 χ^2/NDF: 27.4/34

asym_sam_1357_avg_rms vs Slug



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 367.505+/-0.070 χ^2/NDF:915502.1/17

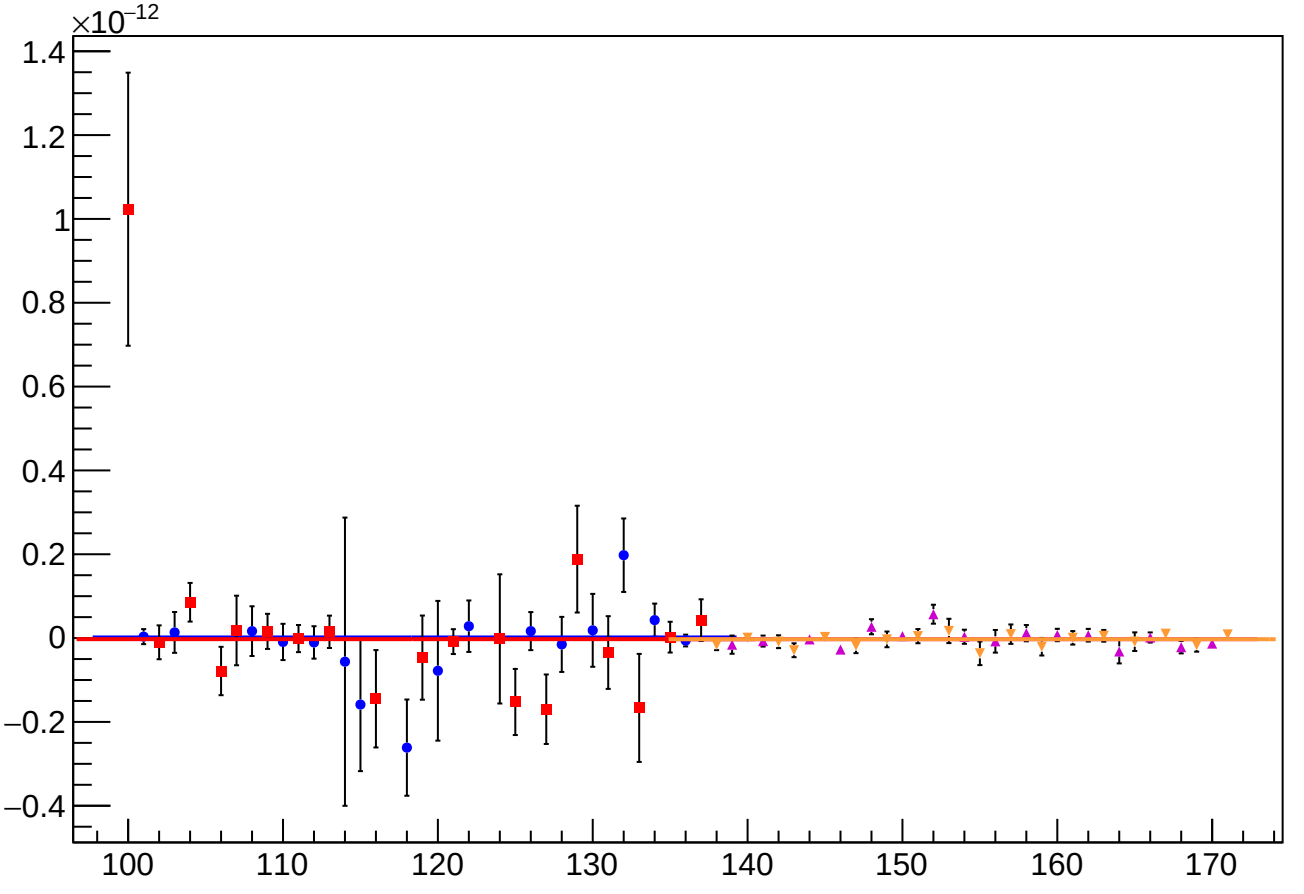
Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 367.105+/-0.073 χ^2/NDF:751221.0/15

+ sign 400.188+/-0.063 χ^2/NDF: 2684995.4/33

All: 401.645+/-0.045 χ^2/NDF: 5298990.9/68

- sign 403.182+/-0.065 χ^2/NDF: 2612907.2/34



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/17

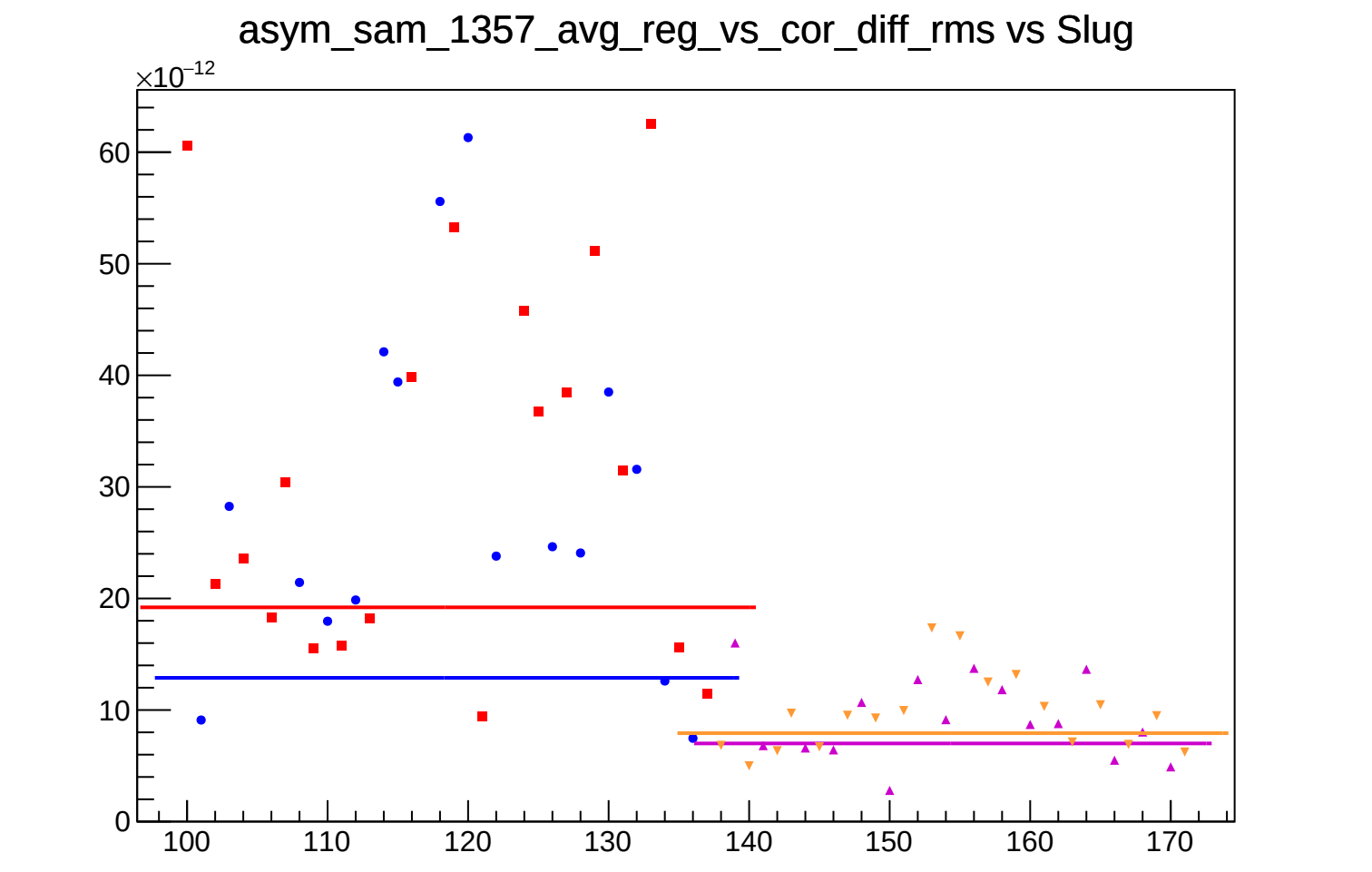
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/18

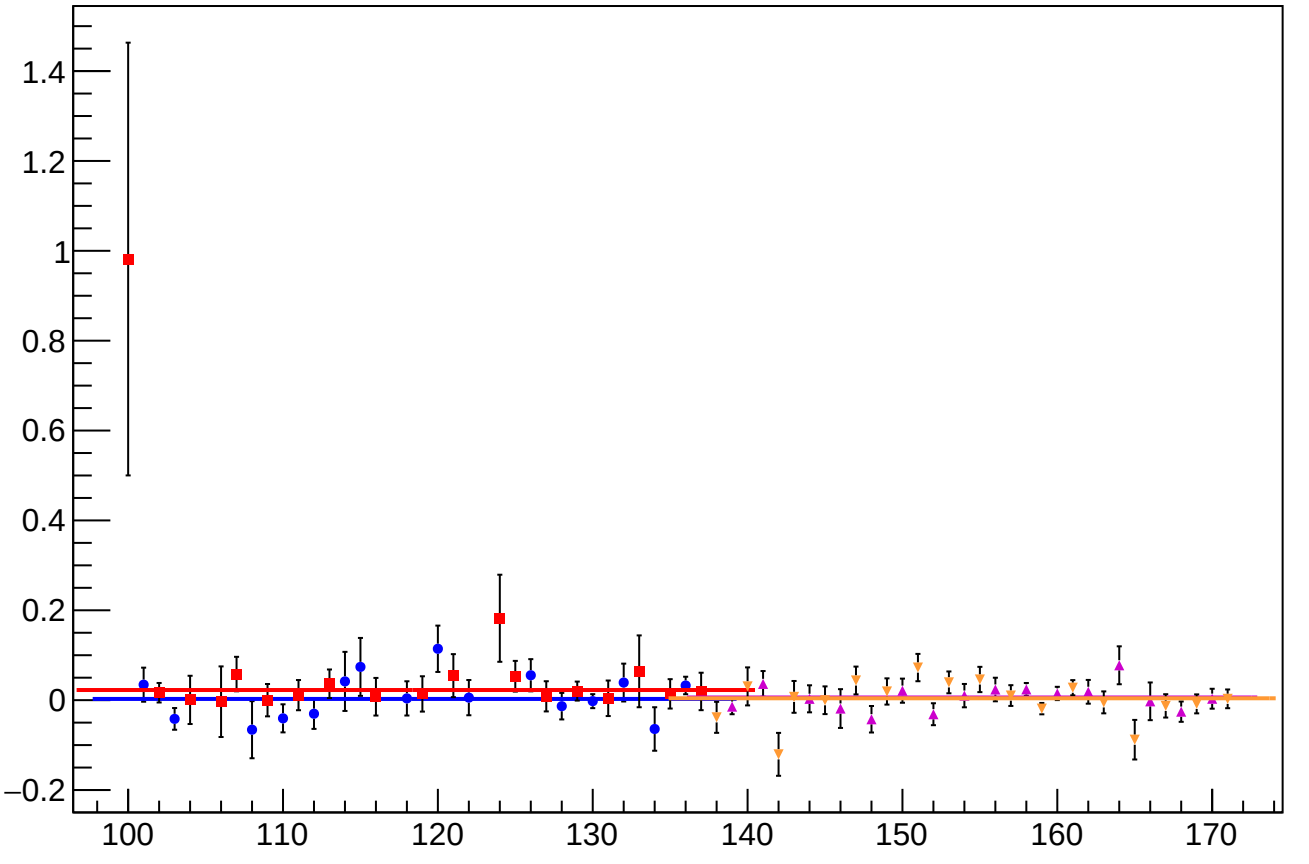
Left In: -0.000+/-0.000 χ^2/NDF:21.1/15

+ sign -0.000+/-0.000 χ^2/NDF: 25.5/33

All: -0.000+/-0.000 χ^2/NDF: 76.7/68

- sign -0.000+/-0.000 χ^2/NDF: 51.2/34


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1116666.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1638007.9/15
+ sign 0.000+/-0.000 χ²/NDF: 3395086.0/33
All: 0.000+/-0.000 χ²/NDF: 8306556.3/68
- sign 0.000+/-0.000 χ²/NDF: 4874366.8/34



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/17

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

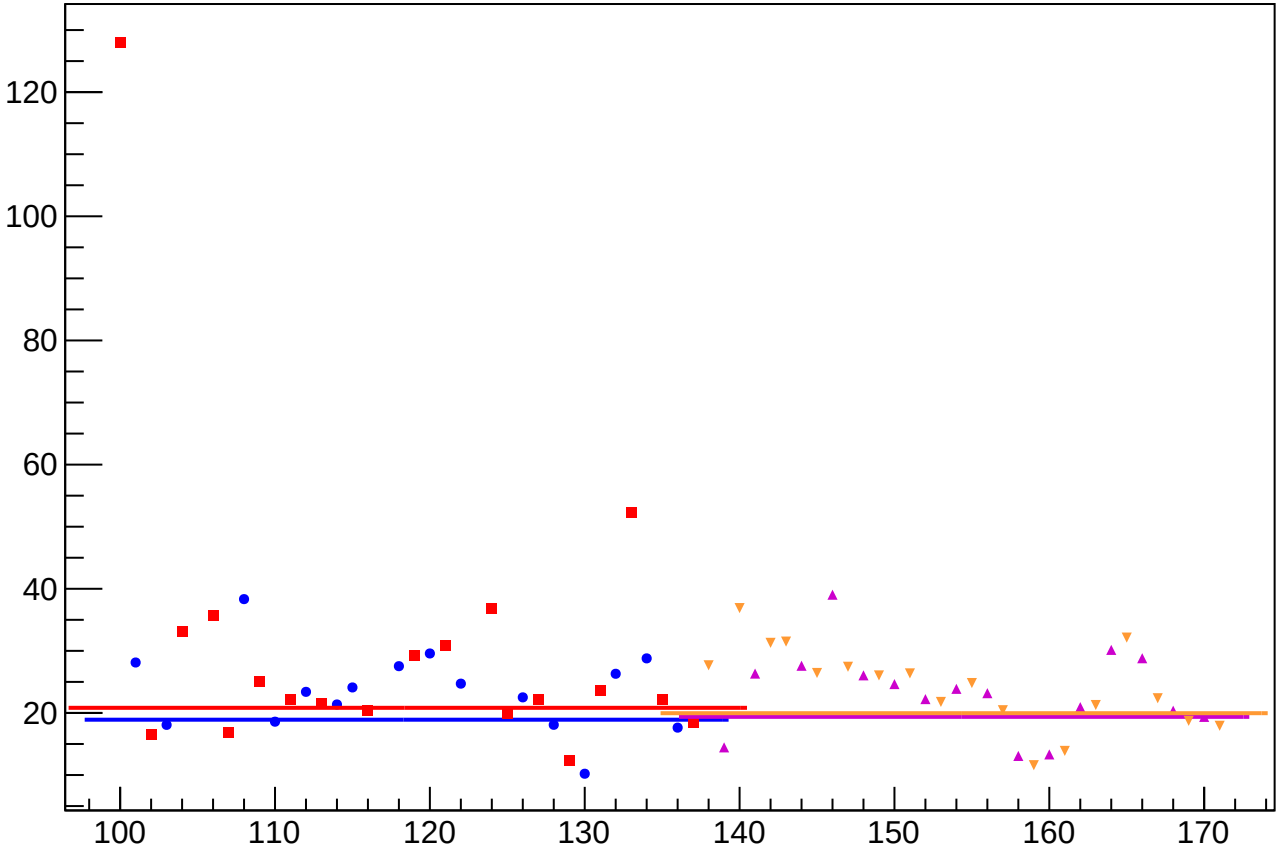
Left In: 0.006+/-0.006 χ^2/NDF:15.8/15

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/33

All: 0.007+/-0.003 χ^2/NDF: 83.1/68

- sign 0.011+/-0.005 χ^2/NDF: 29.2/34

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: 19.959+/-0.004 χ^2/NDF:2533672.6/17

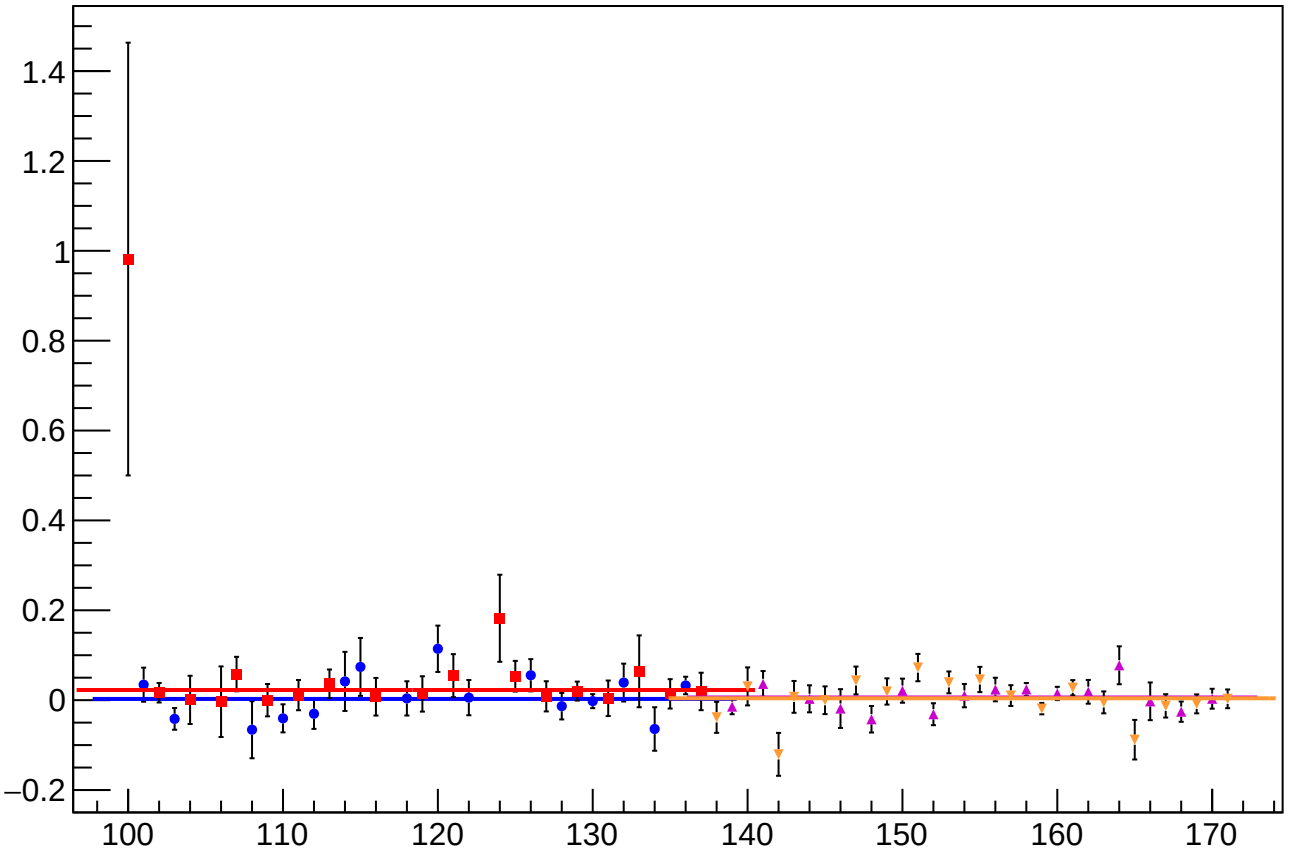
Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.371+/-0.004 χ^2/NDF:2131138.9/15

+ sign 19.587+/-0.003 χ^2/NDF: 3947261.5/33

All: 19.709+/-0.002 χ^2/NDF: 7413041.5/68

- sign 19.839+/-0.003 χ^2/NDF: 3462919.0/34



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/17

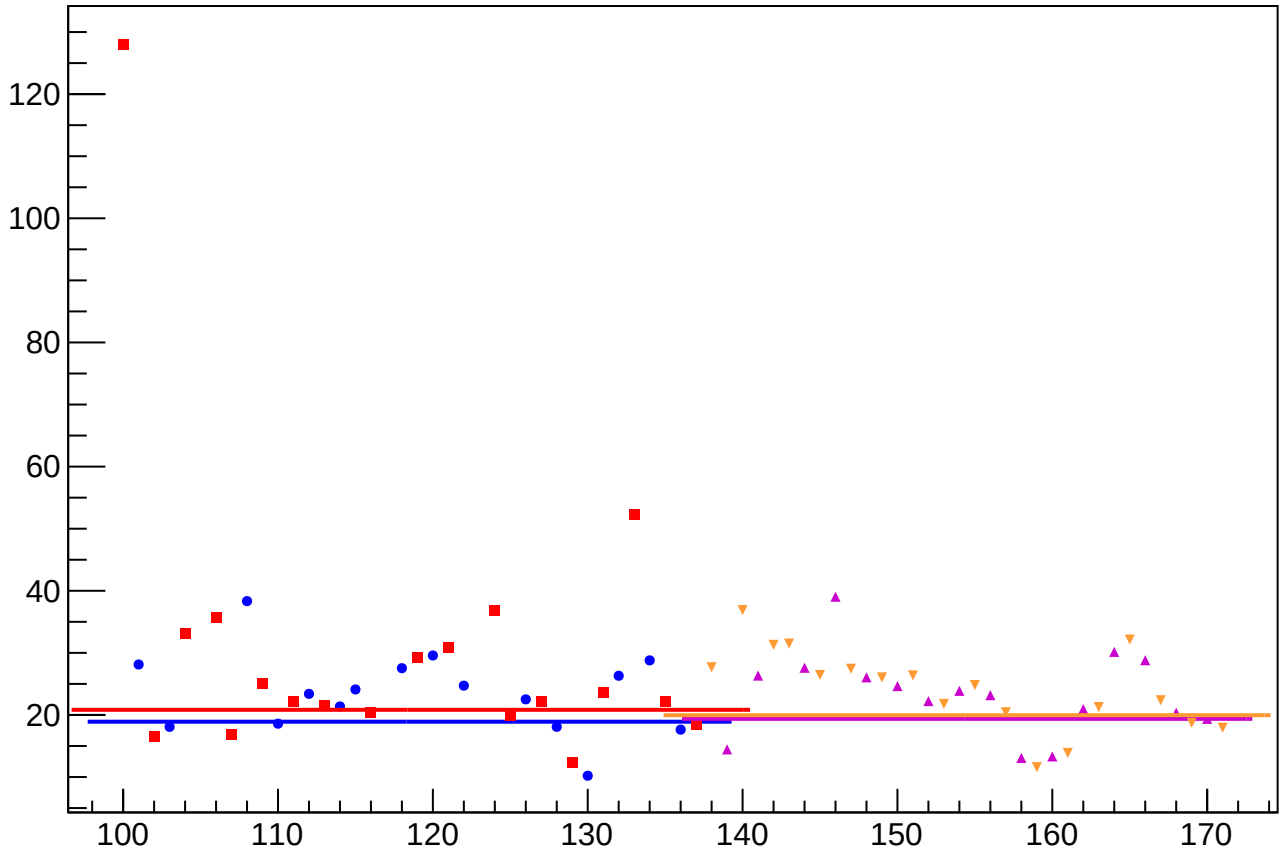
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:15.8/15

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/33

All: 0.007+/-0.003 χ^2/NDF: 83.1/68

- sign 0.011+/-0.005 χ^2/NDF: 29.2/34



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.959+/-0.004 χ^2/NDF:2533672.6/17

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

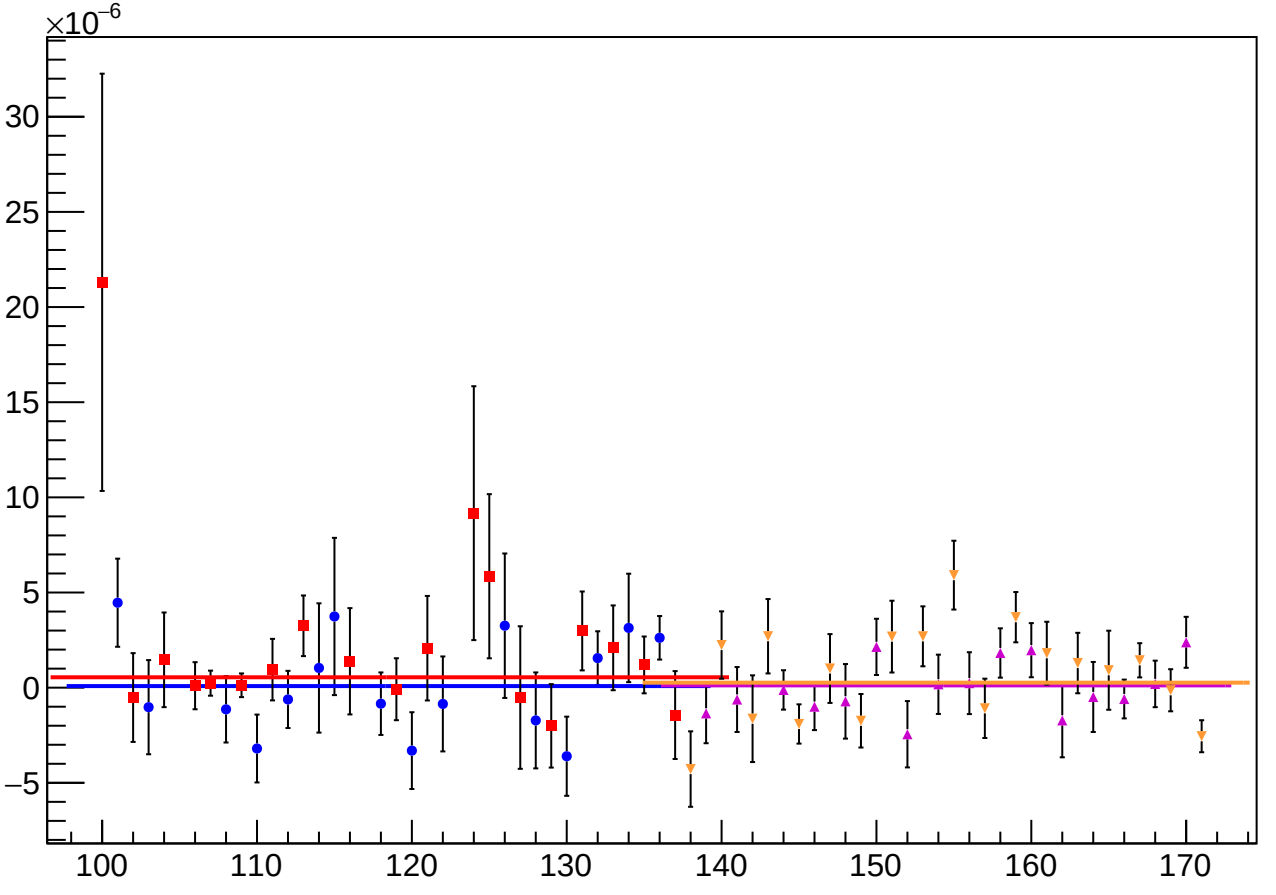
Left In: 19.371+/-0.004 χ^2/NDF:2131138.9/15

+ sign 19.587+/-0.003 χ^2/NDF: 3947261.5/33

All: 19.709+/-0.002 χ^2/NDF: 7413041.5/68

- sign 19.839+/-0.003 χ^2/NDF: 3462919.0/34

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.1/17

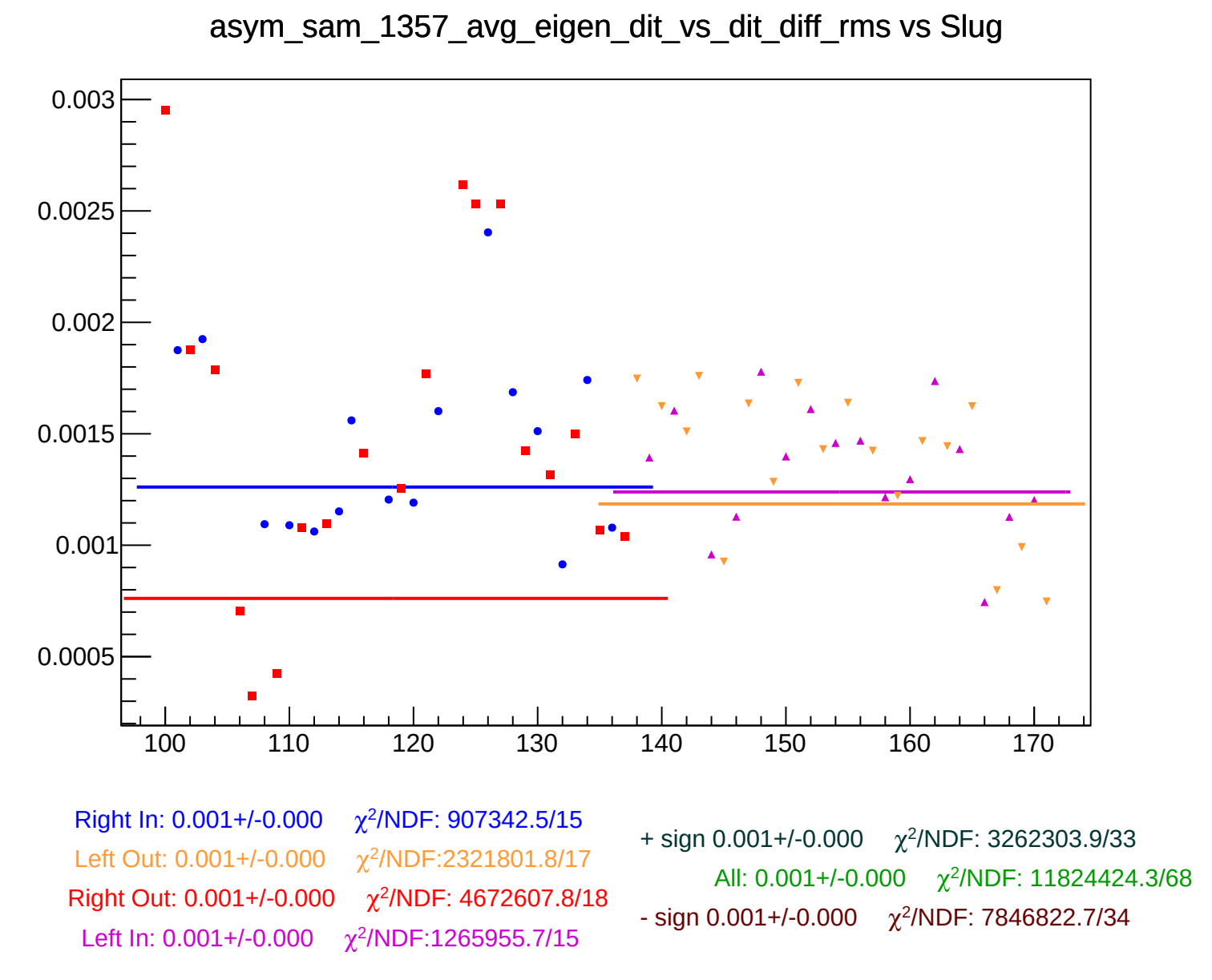
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

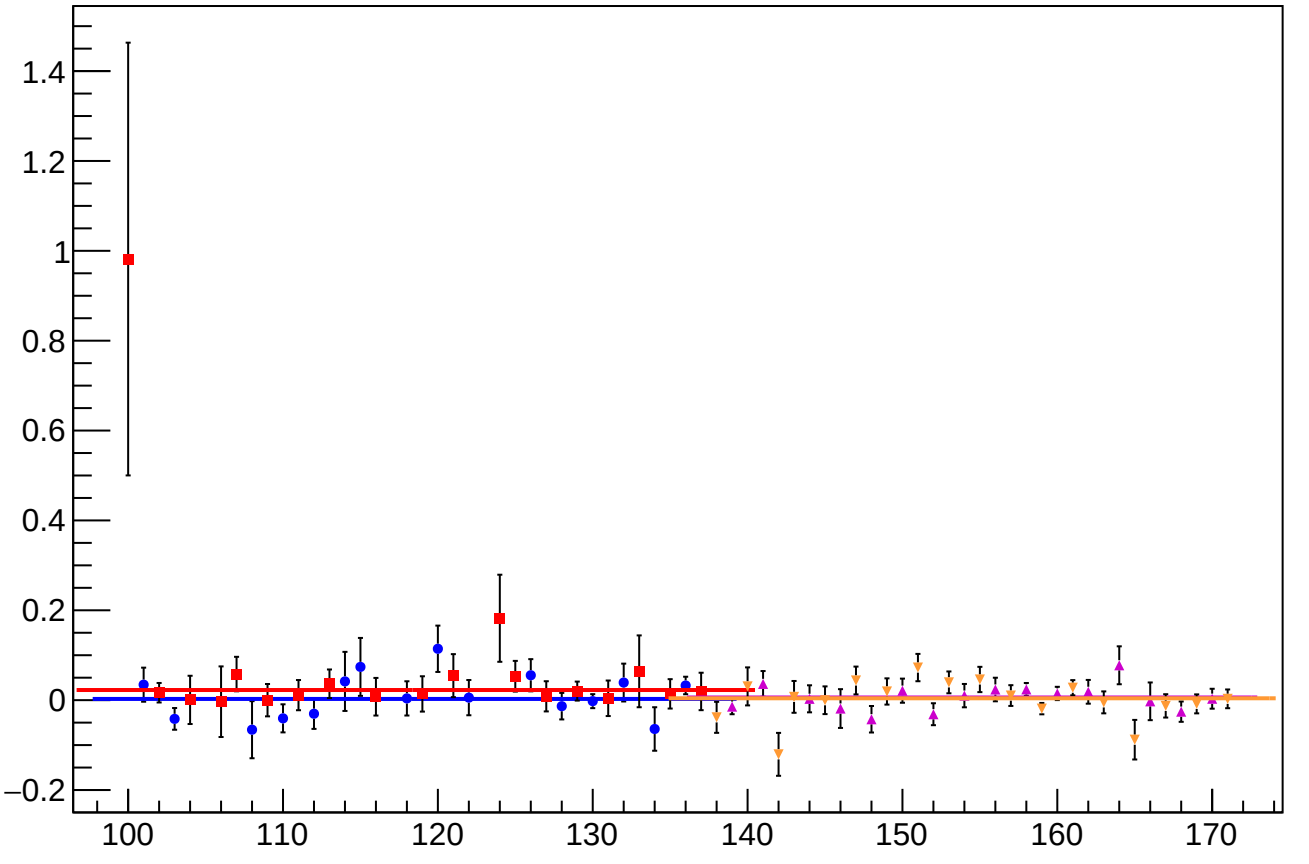
Left In: 0.000+/-0.000 χ^2/NDF:14.0/15

+ sign 0.000+/-0.000 χ^2/NDF: 74.8/33

All: 0.000+/-0.000 χ^2/NDF: 105.3/68

- sign 0.000+/-0.000 χ^2/NDF: 30.4/34


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
170
Right In: 0.001+/-0.000 χ²/NDF: 907342.5/15
Left Out: 0.001+/-0.000 χ²/NDF:2321801.8/17
Right Out: 0.001+/-0.000 χ²/NDF: 4672607.8/18
Left In: 0.001+/-0.000 χ²/NDF:1265955.7/15
+ sign 0.001+/-0.000 χ²/NDF: 3262303.9/33
All: 0.001+/-0.000 χ²/NDF: 11824424.3/68
- sign 0.001+/-0.000 χ²/NDF: 7846822.7/34



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/17

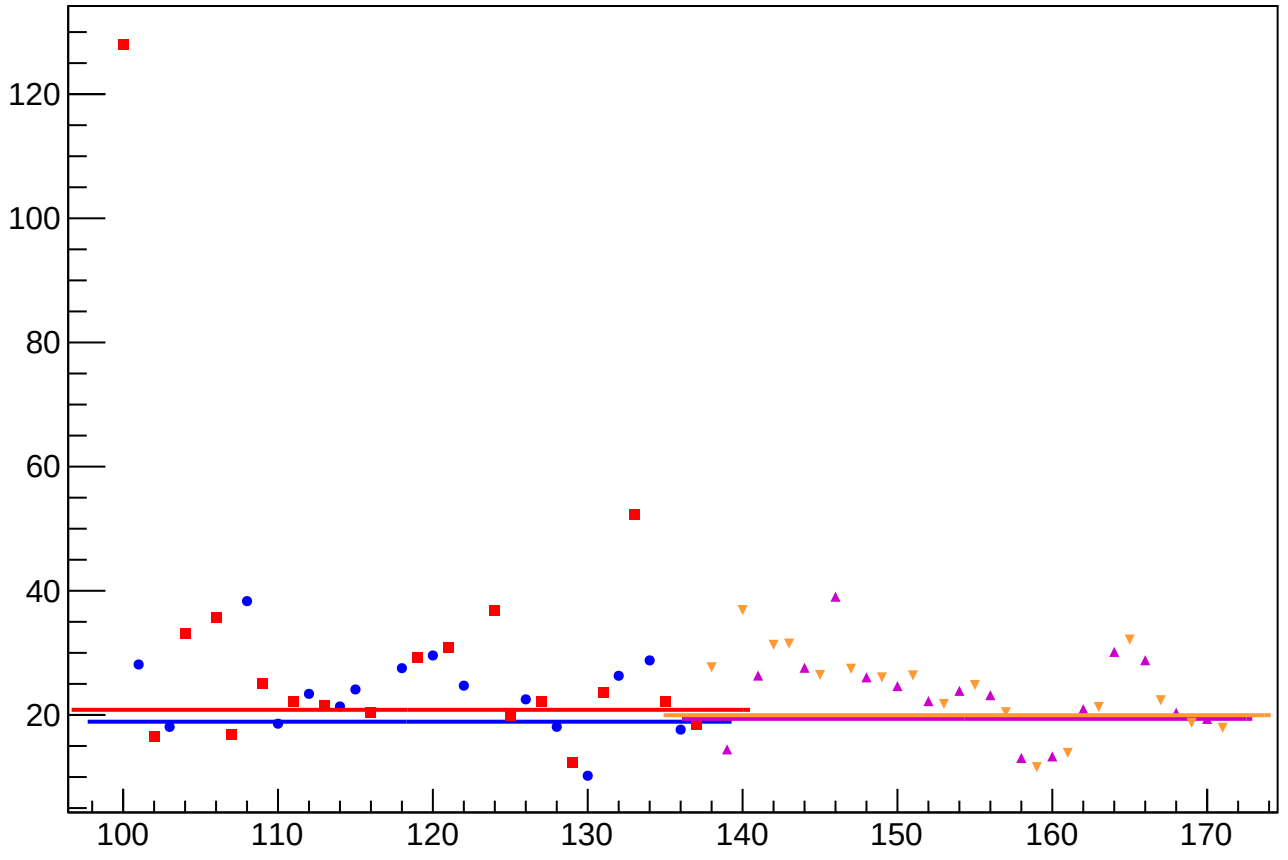
Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.006 χ^2/NDF:15.8/15

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/33

All: 0.007+/-0.003 χ^2/NDF: 83.1/68

- sign 0.011+/-0.005 χ^2/NDF: 29.2/34



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.959+/-0.004 χ^2/NDF:2533872.3/17

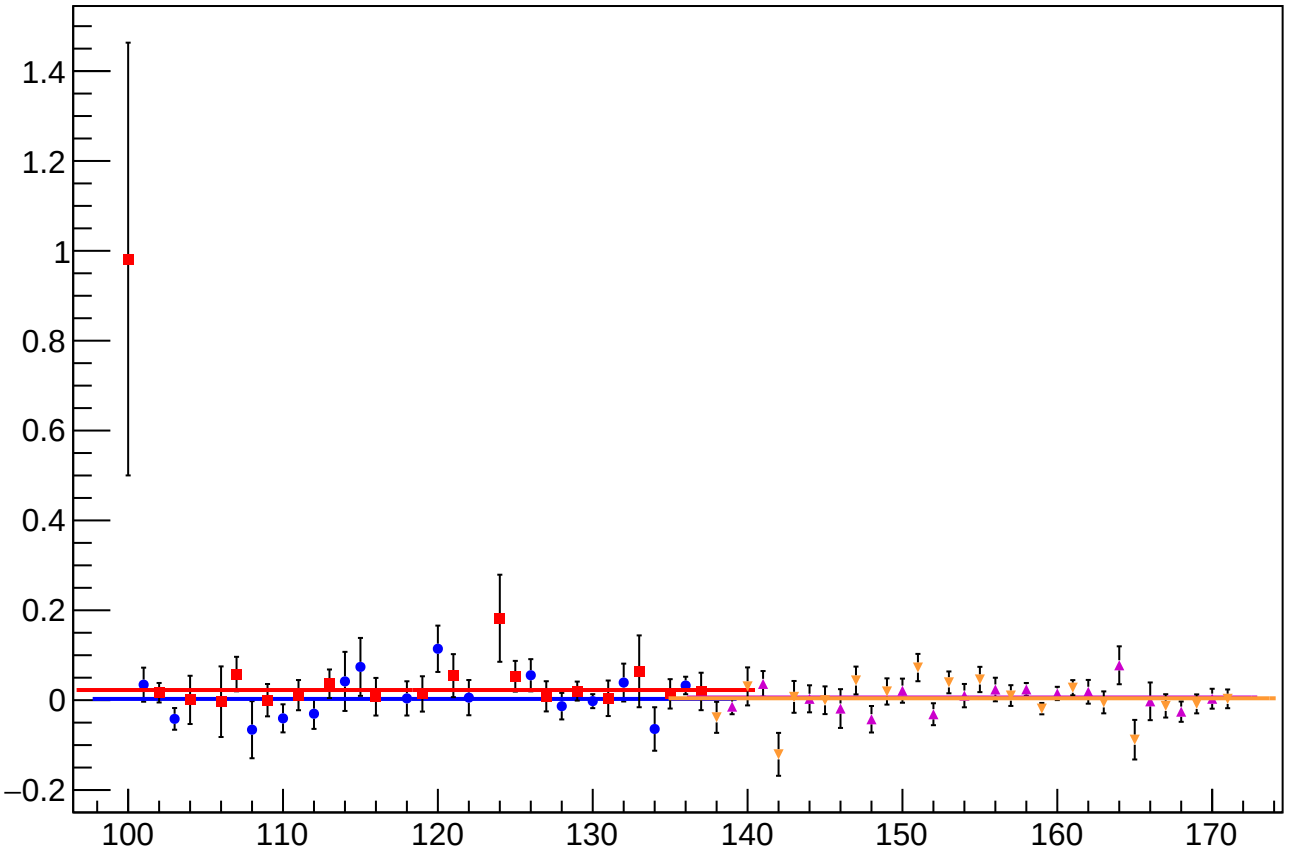
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/15

+ sign 19.587+/-0.003 χ^2/NDF: 3947328.3/33

All: 19.710+/-0.002 χ^2/NDF: 7413201.6/68

- sign 19.840+/-0.003 χ^2/NDF: 3463011.7/34



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/17

Right Out: 0.023+/-0.008 χ^2/NDF: 10.8/18

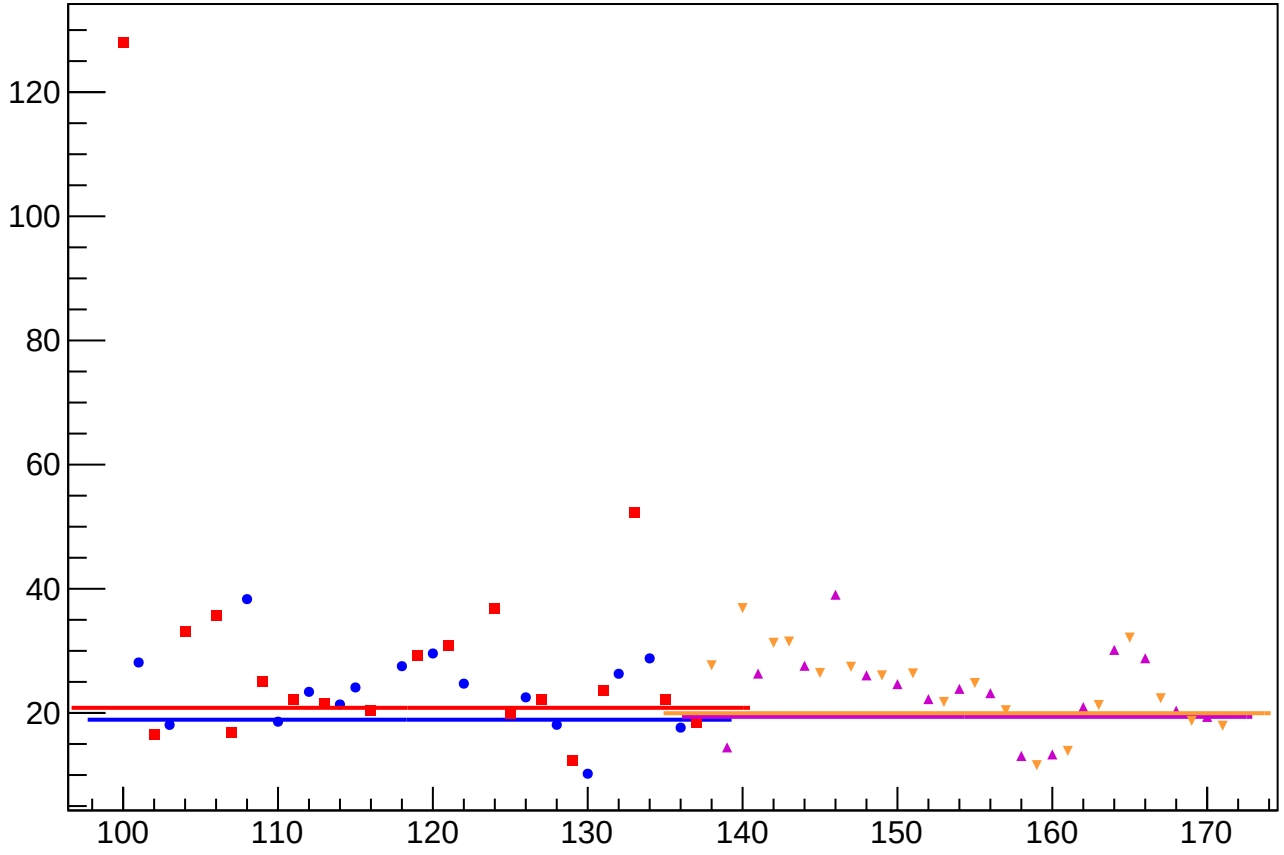
Left In: 0.006+/-0.006 χ^2/NDF:15.8/15

+ sign 0.004+/-0.005 χ^2/NDF: 52.6/33

All: 0.007+/-0.003 χ^2/NDF: 83.1/68

- sign 0.011+/-0.005 χ^2/NDF: 29.2/34

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.959+/-0.004 χ^2/NDF:2533872.3/17

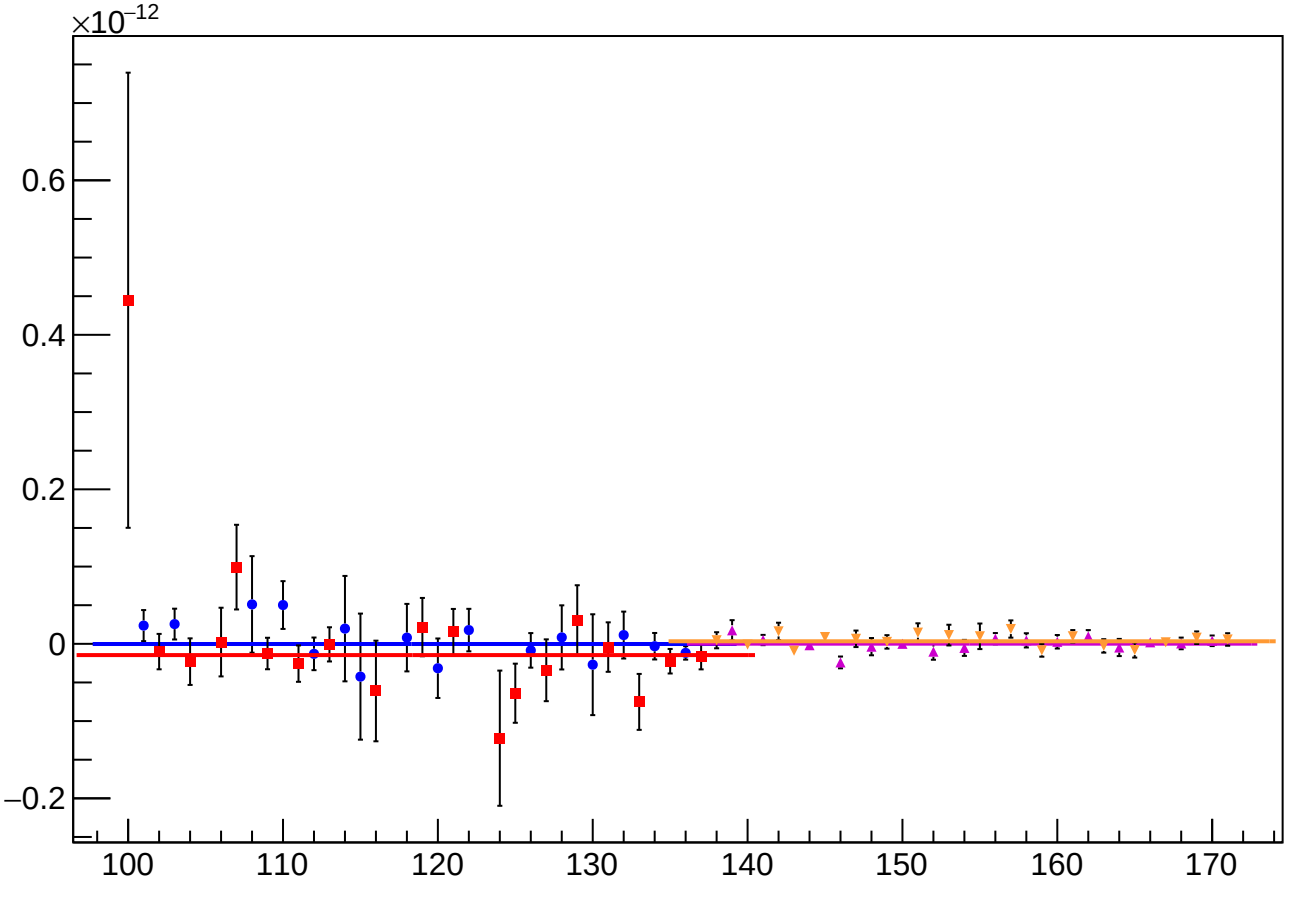
Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.372+/-0.004 χ^2/NDF:2131235.0/15

+ sign 19.587+/-0.003 χ^2/NDF: 3947328.3/33

All: 19.710+/-0.002 χ^2/NDF: 7413201.6/68

- sign 19.840+/-0.003 χ^2/NDF: 3463011.7/34



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/17

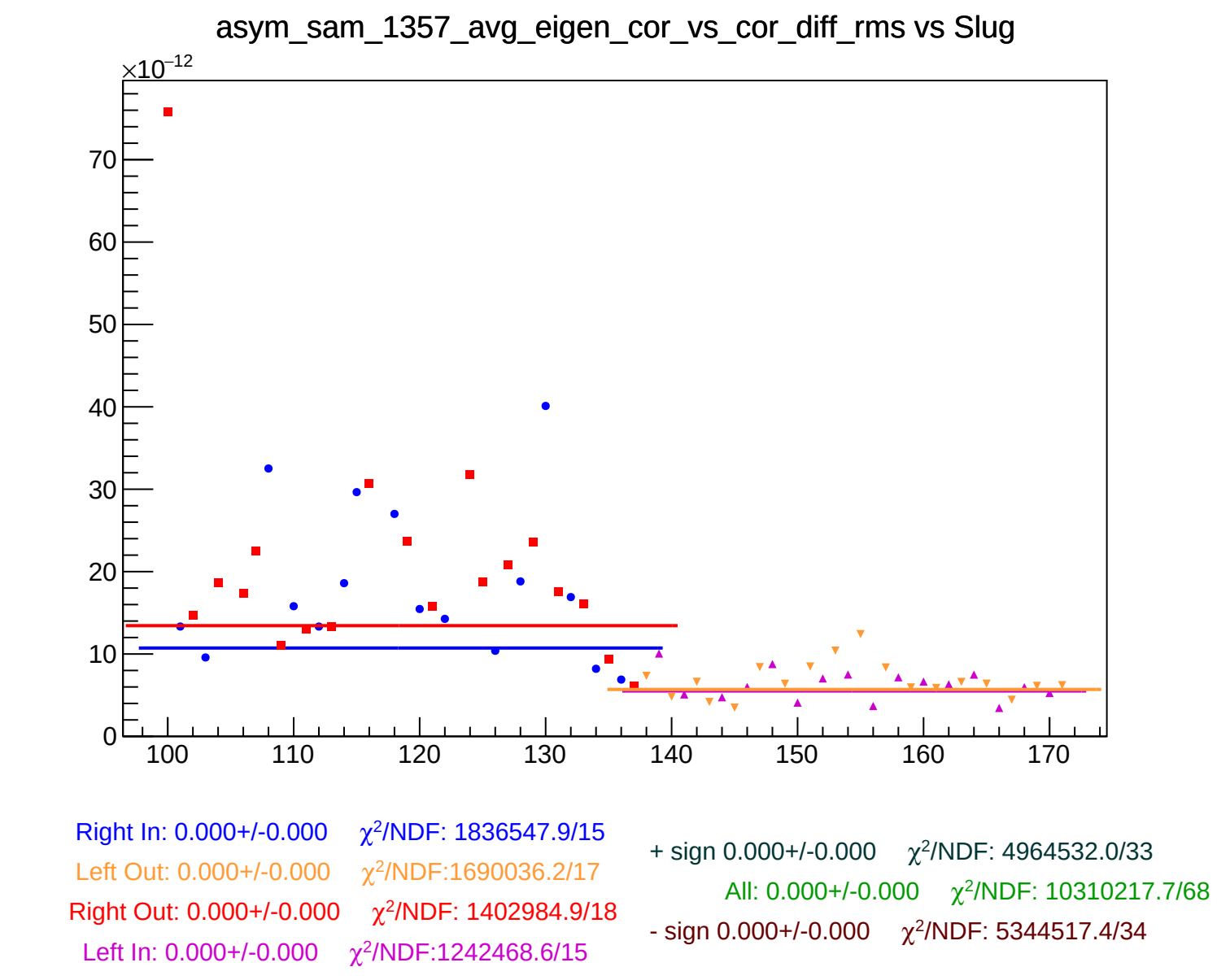
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.8/15

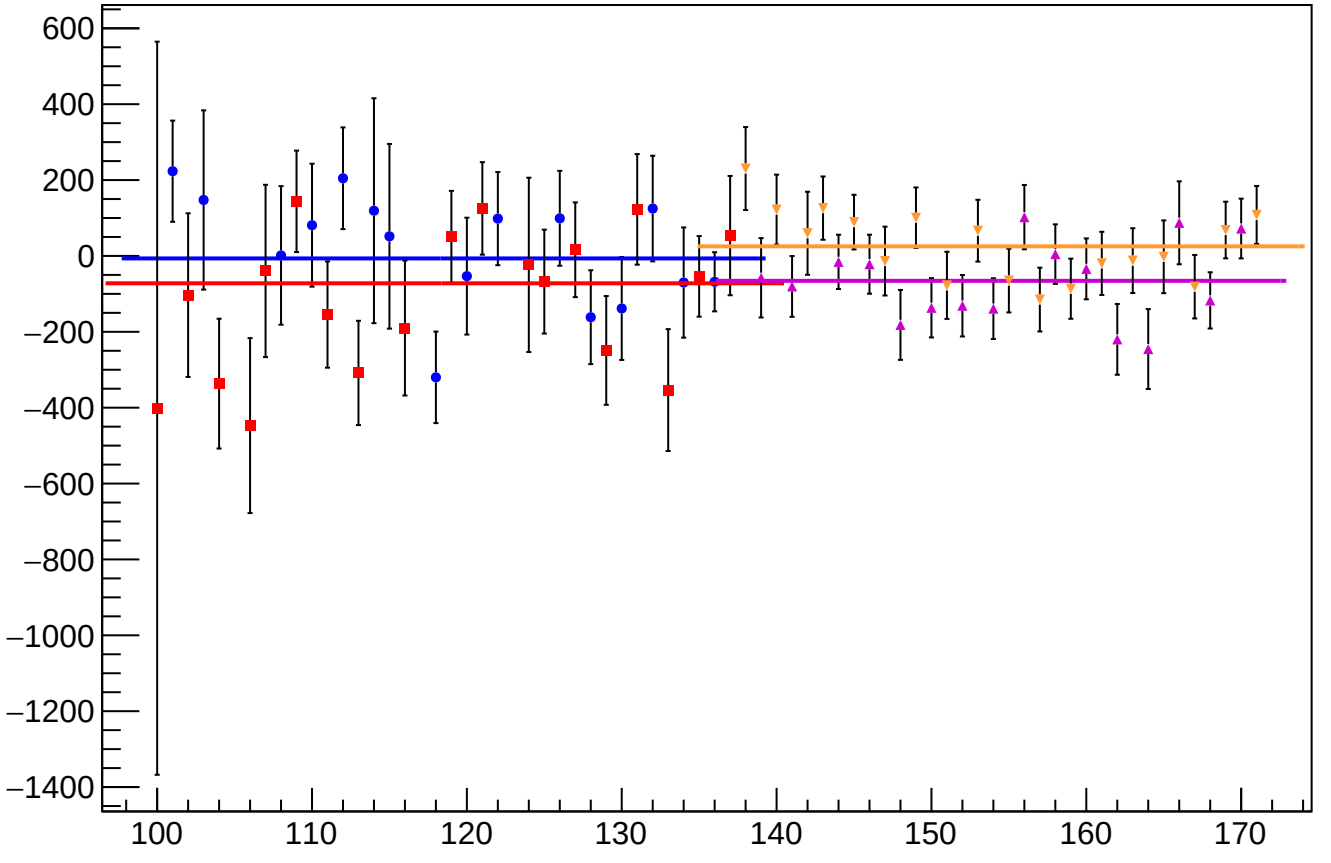
+ sign 0.000+/-0.000 χ^2/NDF: 26.0/33

All: 0.000+/-0.000 χ^2/NDF: 67.4/68

- sign -0.000+/-0.000 χ^2/NDF: 39.1/34


asym_sam_1357_avg_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
170
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1690036.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1242468.6/15
+ sign 0.000+/-0.000 χ²/NDF: 4964532.0/33
All: 0.000+/-0.000 χ²/NDF: 10310217.7/68
- sign 0.000+/-0.000 χ²/NDF: 5344517.4/34

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 25.287+/-19.983 χ^2/NDF:19.3/17

Right Out: -72.124+/-34.883 χ^2/NDF: 22.8/18

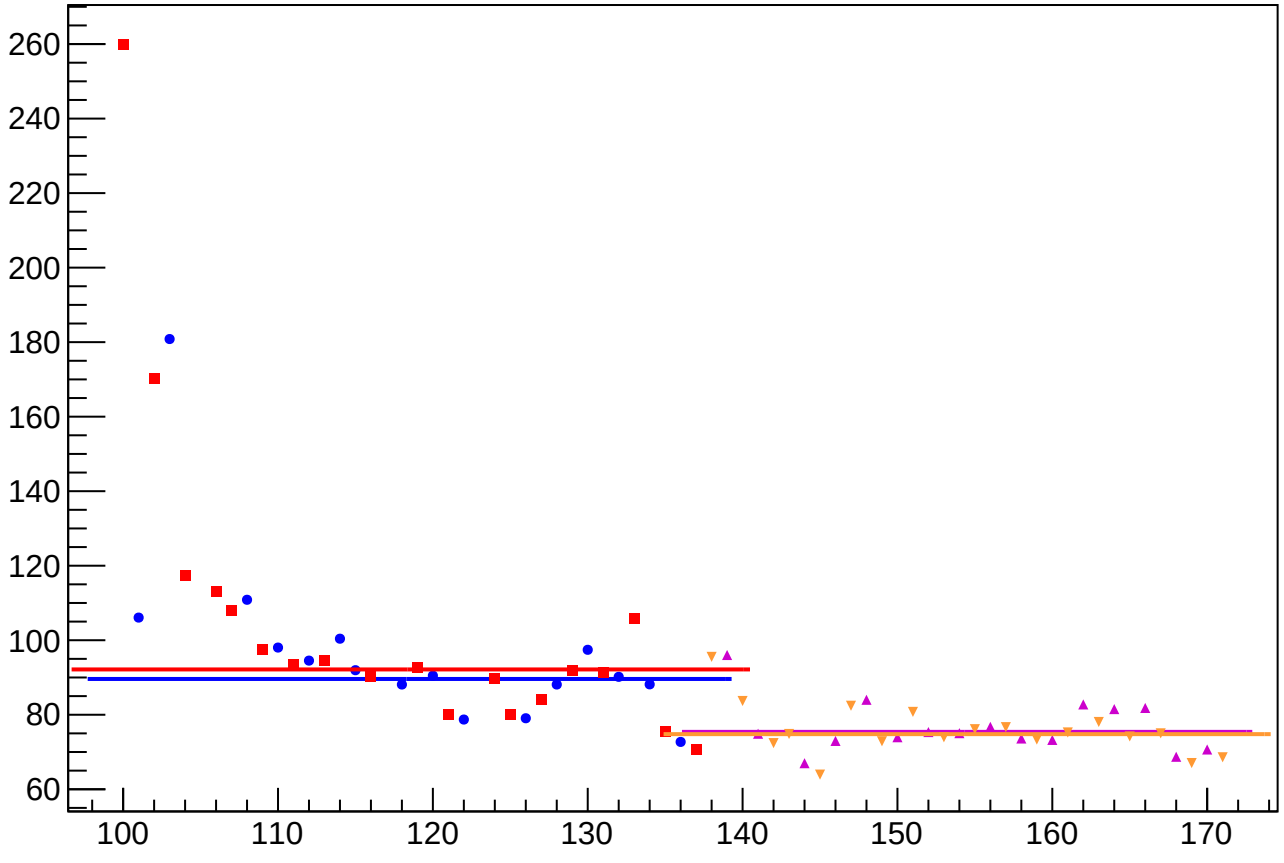
Left In: -65.562+/-20.911 χ^2/NDF:20.8/15

+ sign 17.212+/-17.265 χ^2/NDF: 38.8/33

All: -23.432+/-12.438 χ^2/NDF: 94.0/68

- sign -67.296+/-17.935 χ^2/NDF: 43.6/34

reg_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

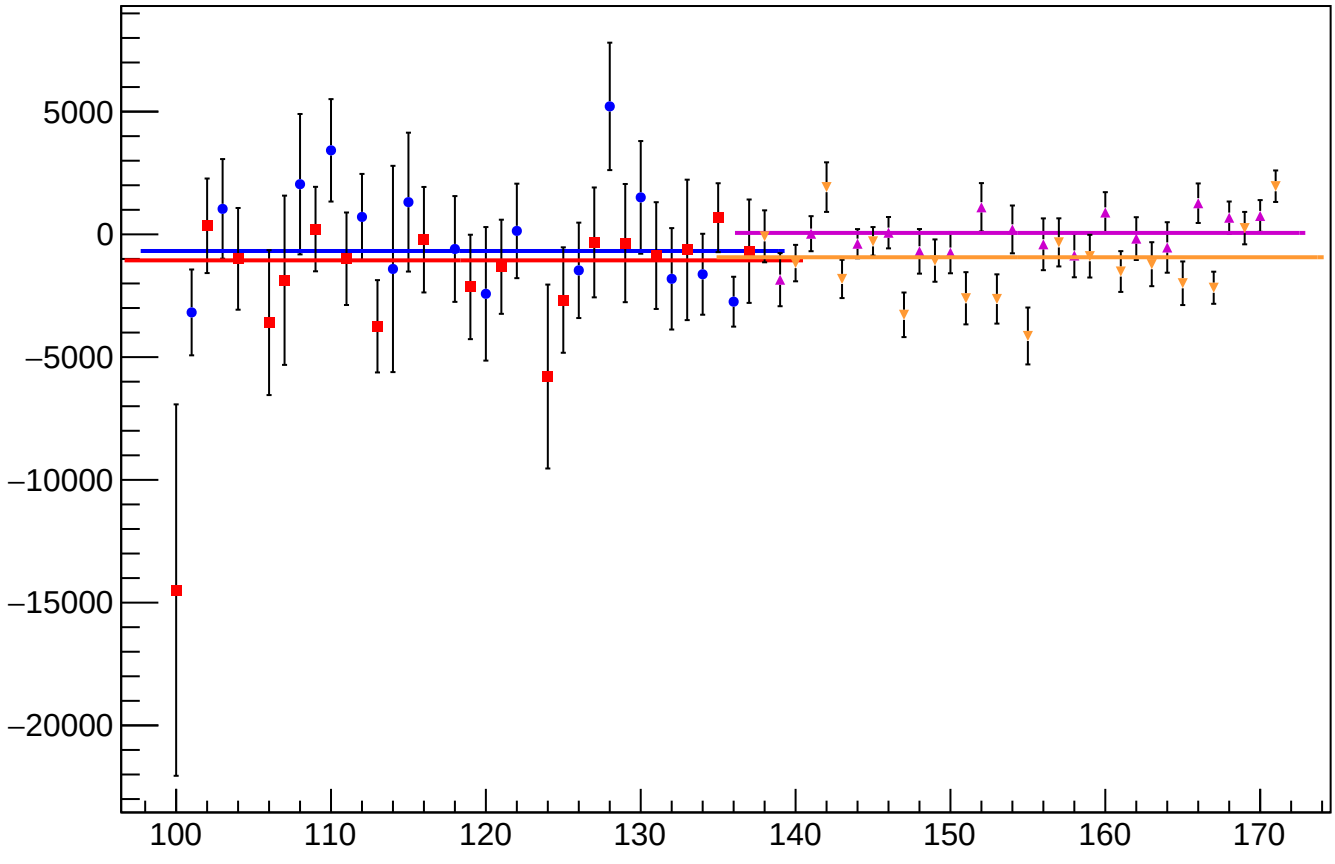
Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

+ sign 78.550+/-0.012 χ^2/NDF: 978330.3/33

All: 79.168+/-0.009 χ^2/NDF: 2043420.9/68

- sign 79.834+/-0.013 χ^2/NDF: 1059770.3/34



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -932.164+/-192.943 χ^2/NDF:60.5/17

Right Out: -1058.761+/-496.350 χ^2/NDF: 11.5/18

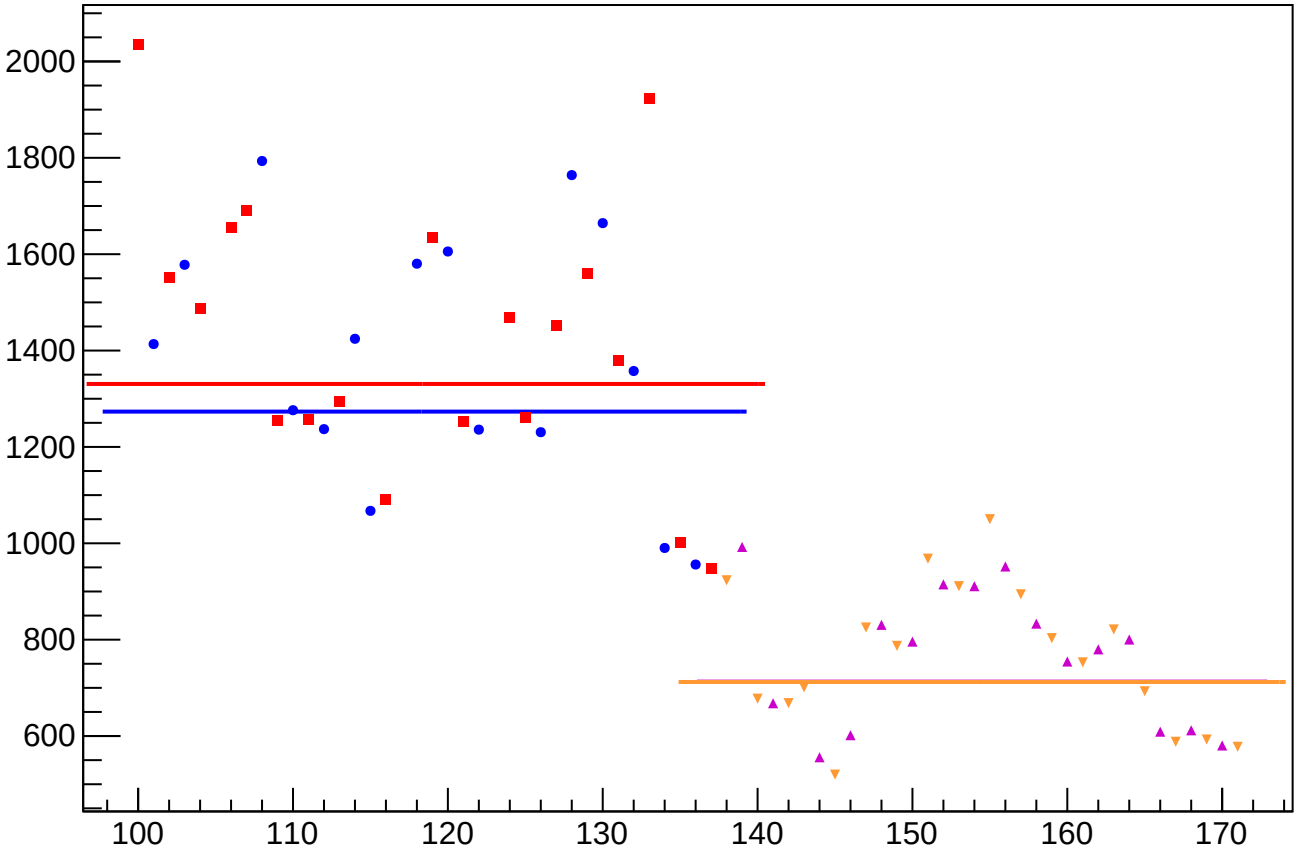
Left In: 58.931+/-200.205 χ^2/NDF:13.4/15

+ sign -897.534+/-179.352 χ^2/NDF: 81.0/33

All: -511.345+/-128.997 χ^2/NDF: 119.8/68

- sign -97.467+/-185.670 χ^2/NDF: 29.2/34

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068262.7/17

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

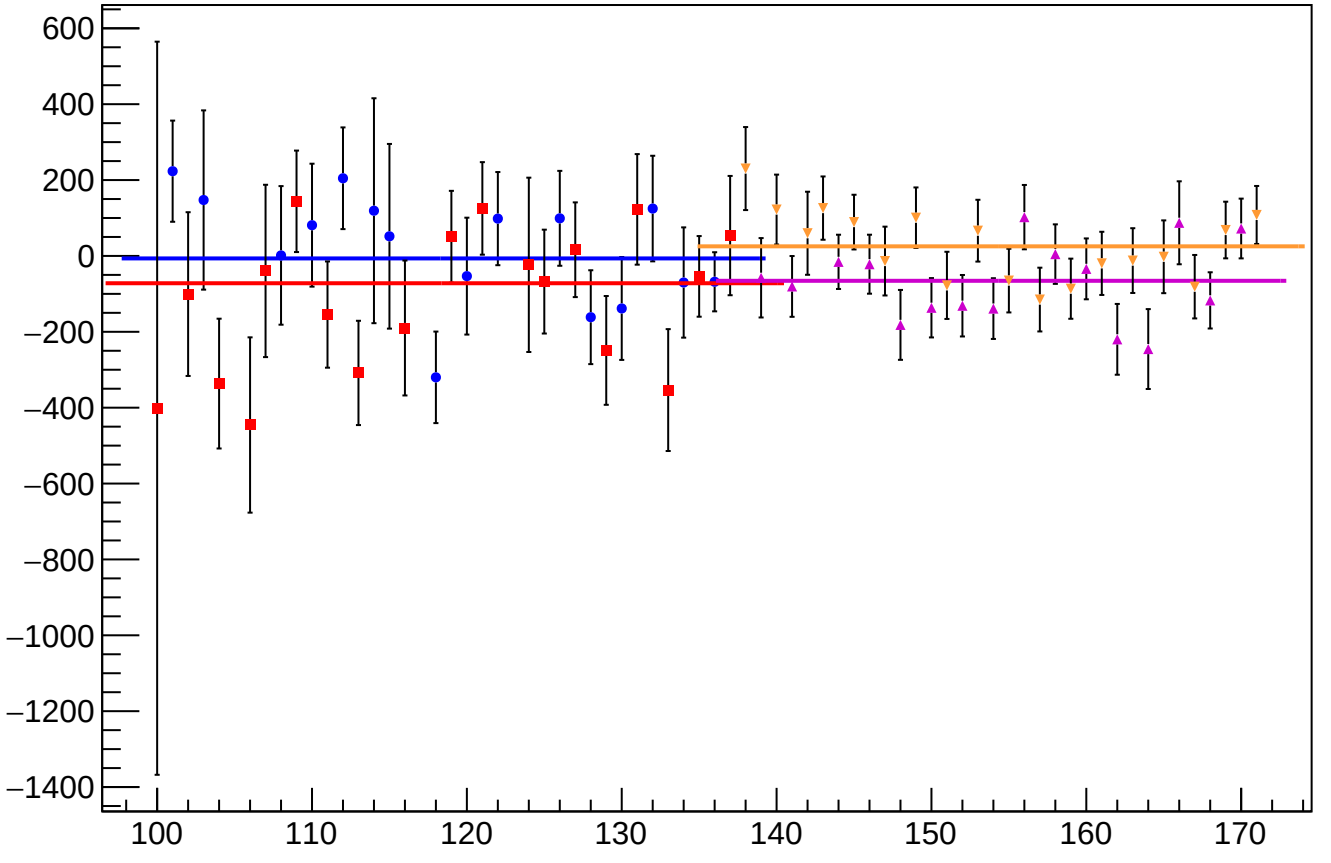
Left In: 712.938+/-0.142 χ^2/NDF:896861.5/15

+ sign 788.458+/-0.127 χ^2/NDF: 3965048.6/33

All: 793.729+/-0.091 χ^2/NDF: 8000639.9/68

- sign 799.378+/-0.131 χ^2/NDF: 4032012.5/34

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 25.289+/-19.983 χ^2/NDF:19.3/17

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

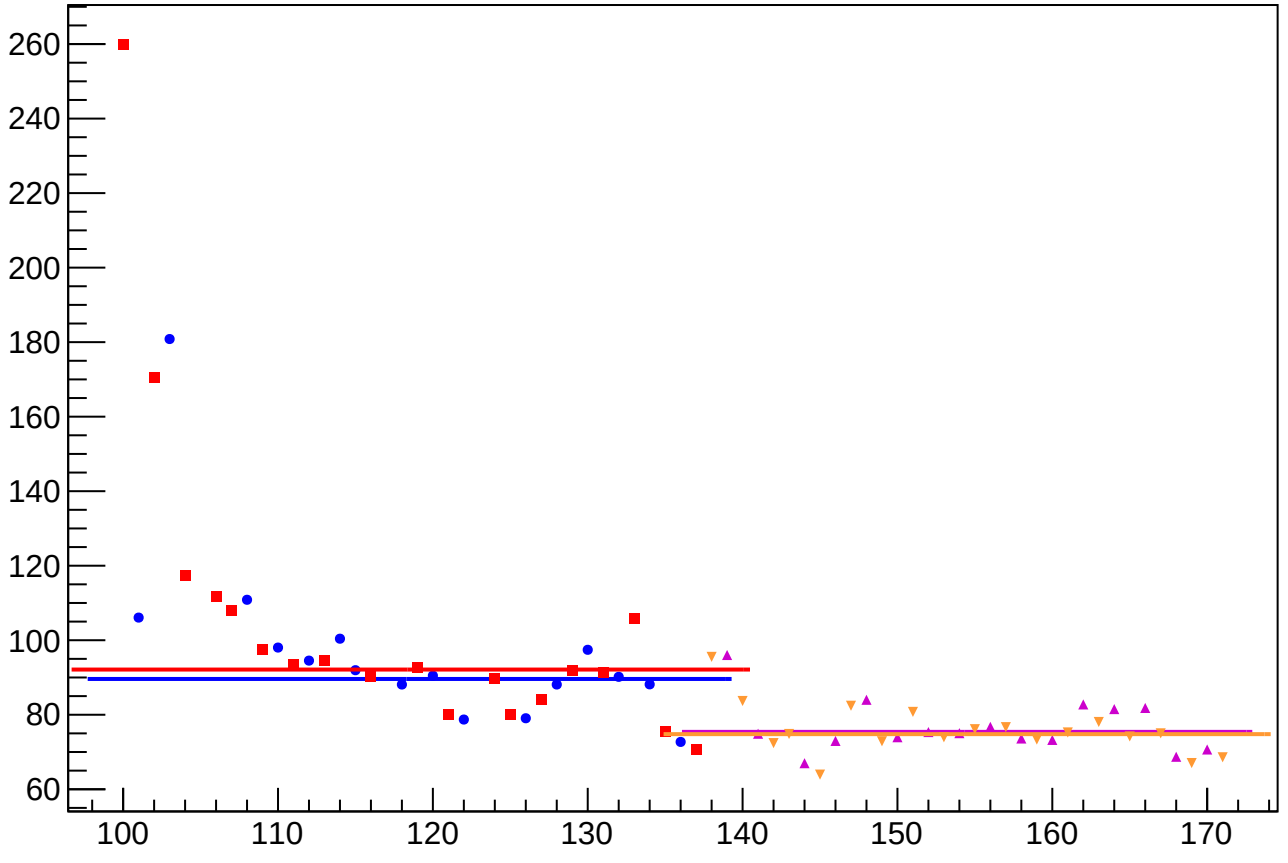
Left In: -65.560+/-20.911 χ^2/NDF:20.8/15

+ sign 17.212+/-17.265 χ^2/NDF: 38.8/33

All: -23.413+/-12.438 χ^2/NDF: 93.9/68

- sign -67.257+/-17.936 χ^2/NDF: 43.6/34

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

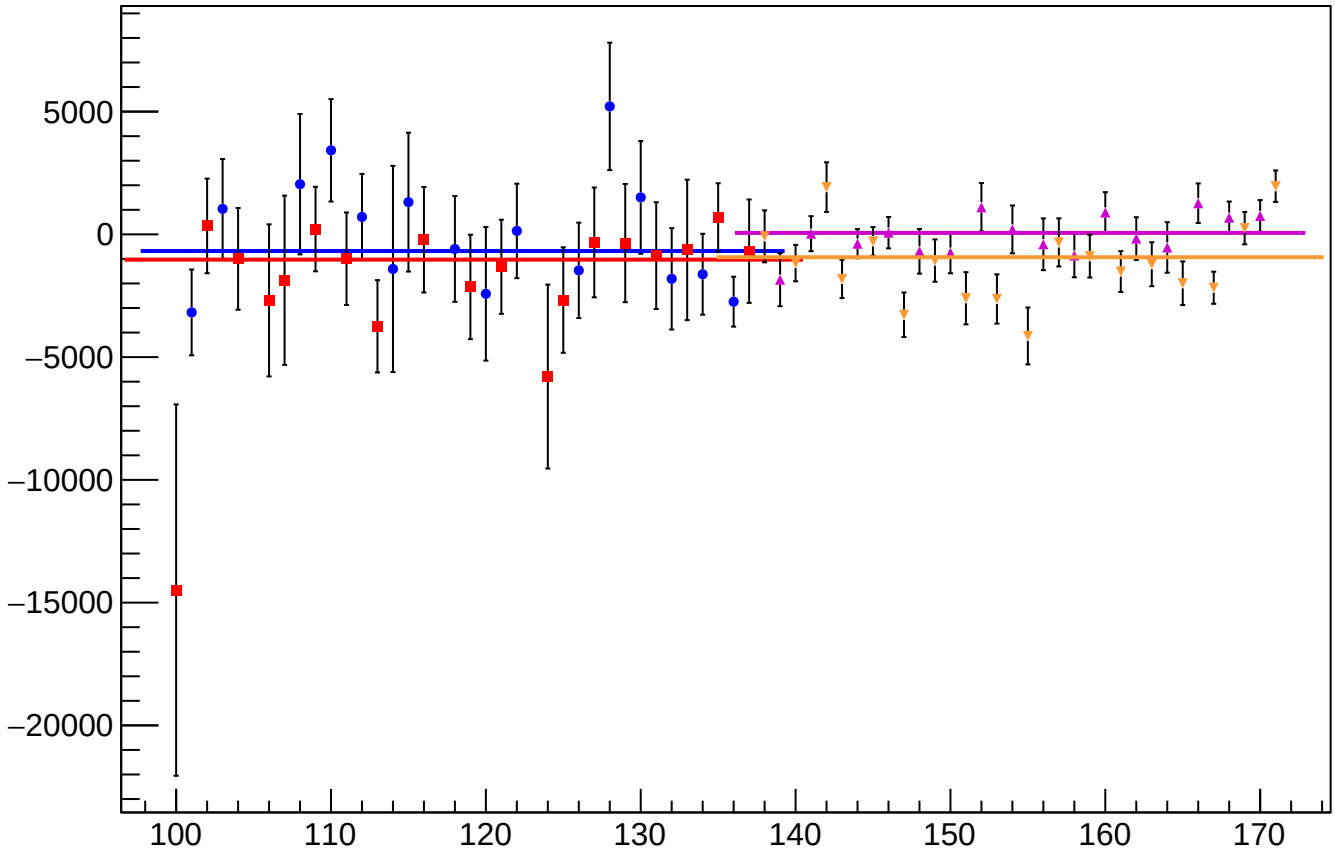
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

+ sign 78.550+/-0.012 χ^2/NDF: 978333.8/33

All: 79.163+/-0.009 χ^2/NDF: 2040271.7/68

- sign 79.825+/-0.013 χ^2/NDF: 1056690.0/34



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -932.158+/-192.943 χ^2/NDF:60.5/17

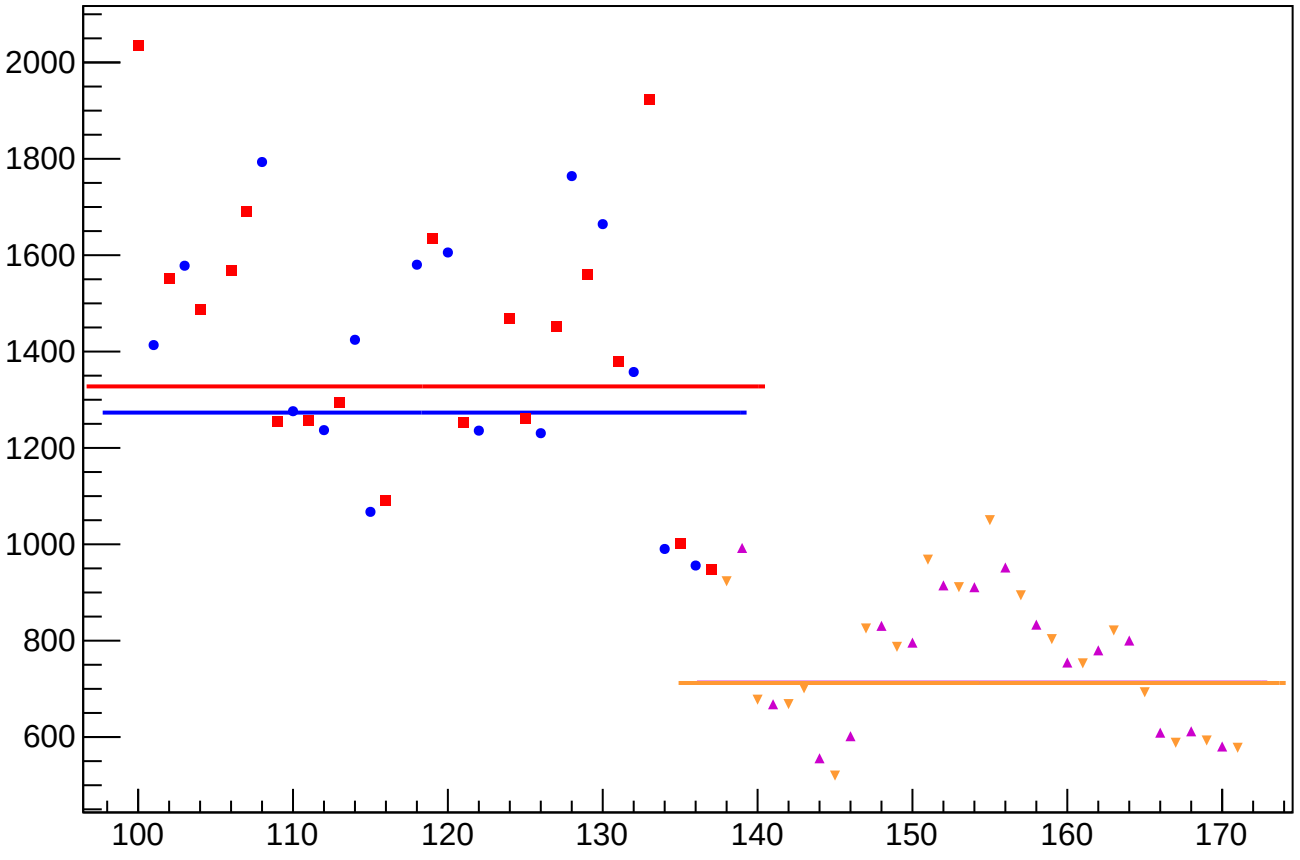
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 58.929+/-200.205 χ^2/NDF:13.4/15

+ sign -897.524+/-179.352 χ^2/NDF: 81.0/33

All: -509.263+/-129.008 χ^2/NDF: 119.2/68

- sign -93.008+/-185.705 χ^2/NDF: 28.5/34



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

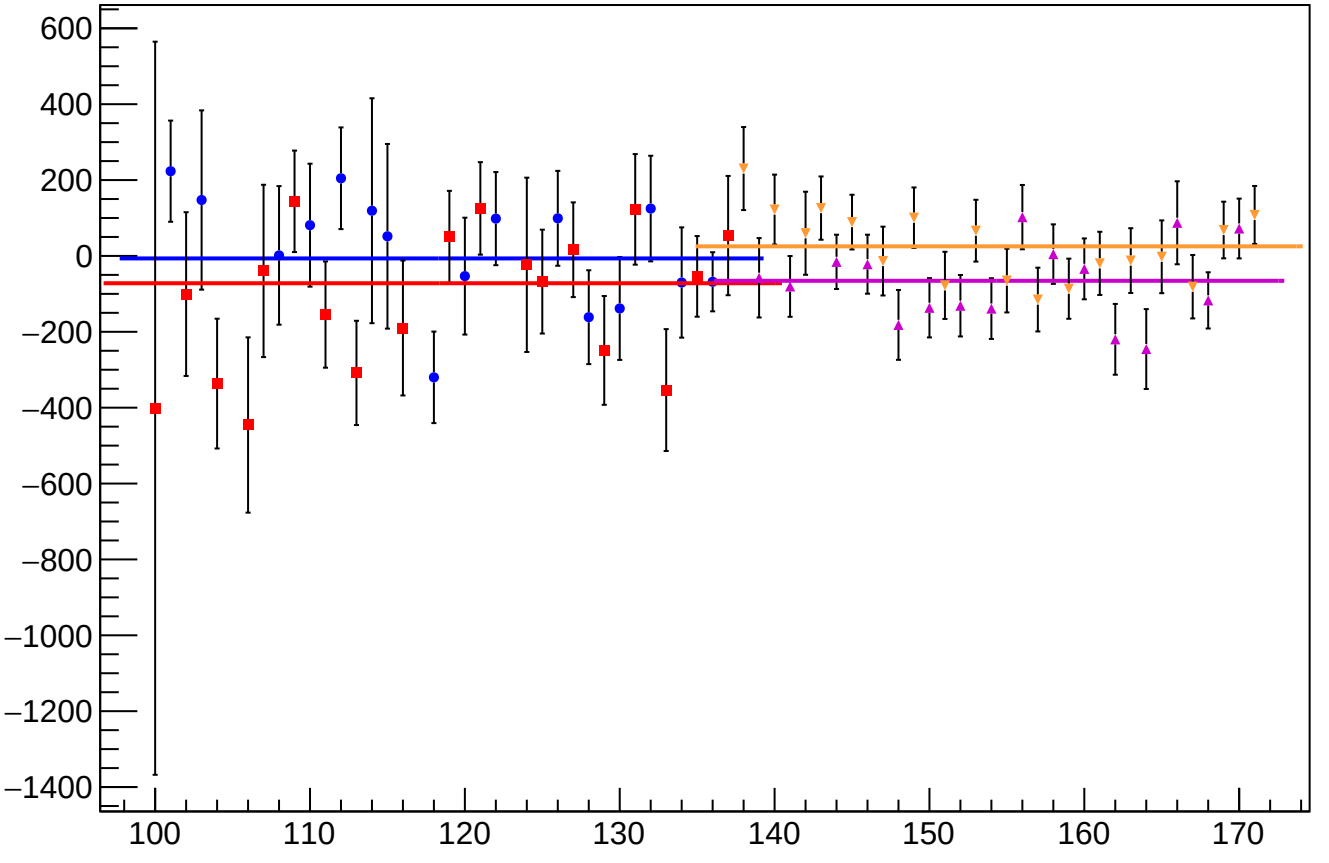
Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

+ sign 788.458+/-0.127 χ^2/NDF: 3965095.6/33

All: 793.428+/-0.091 χ^2/NDF: 7955960.6/68

- sign 798.757+/-0.131 χ^2/NDF: 3987682.3/34

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 25.289+/-19.983 χ^2/NDF:19.3/17

Right Out: -71.981+/-34.885 χ^2/NDF: 22.8/18

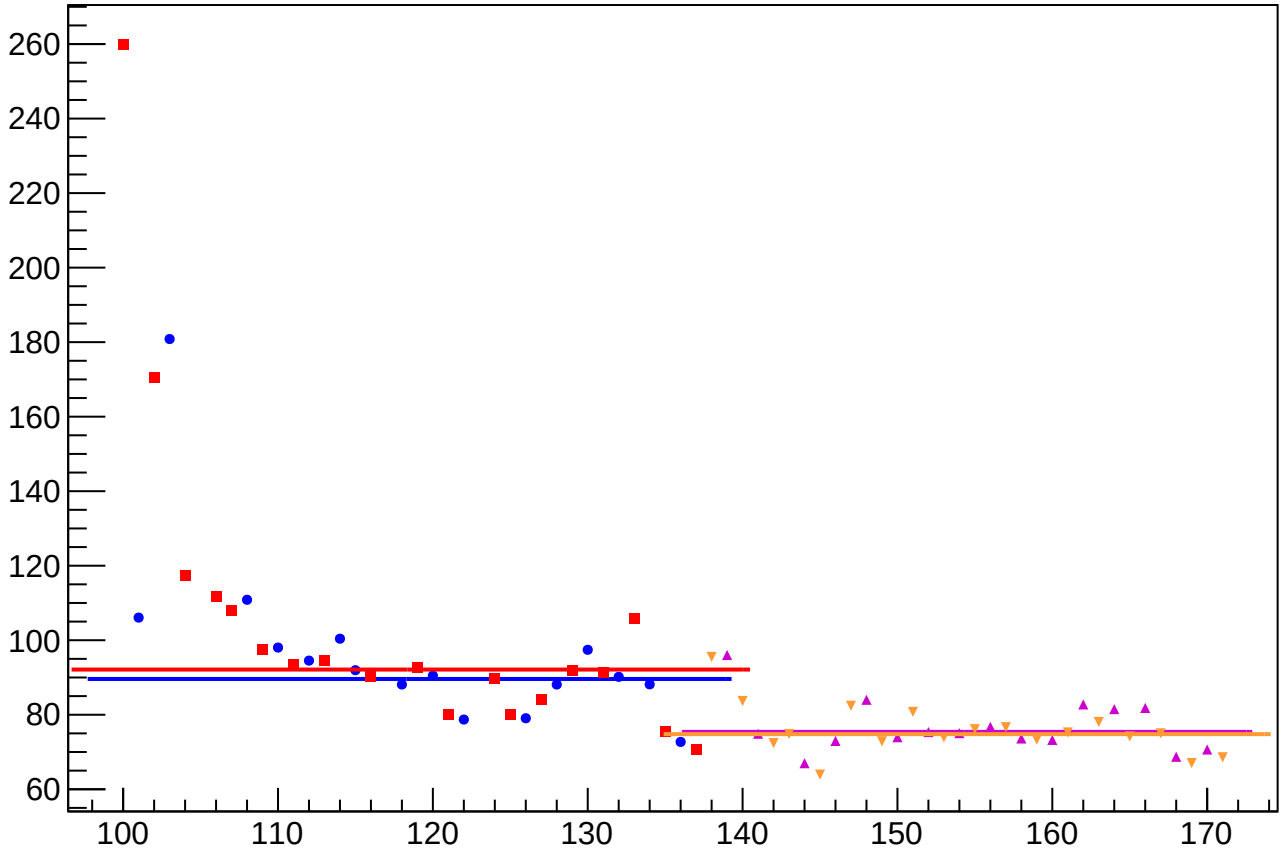
Left In: -65.560+/-20.911 χ^2/NDF:20.8/15

+ sign 17.212+/-17.265 χ^2/NDF: 38.8/33

All: -23.413+/-12.438 χ^2/NDF: 93.9/68

- sign -67.257+/-17.936 χ^2/NDF: 43.6/34

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

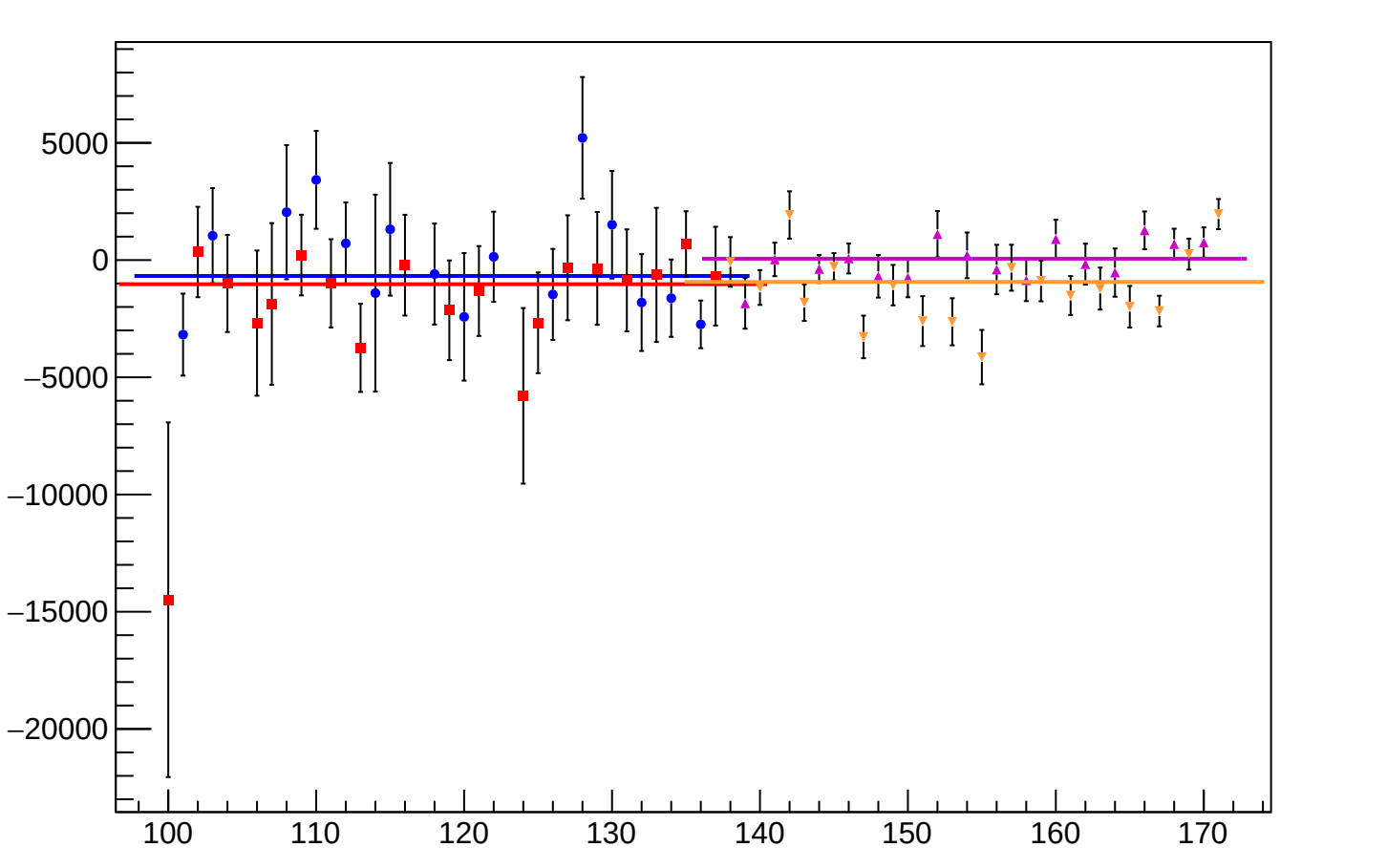
Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

+ sign 78.550+/-0.012 χ^2/NDF: 978333.8/33

All: 79.163+/-0.009 χ^2/NDF: 2040271.7/68

- sign 79.825+/-0.013 χ^2/NDF: 1056690.0/34



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -932.158+/-192.943 χ^2/NDF:60.5/17

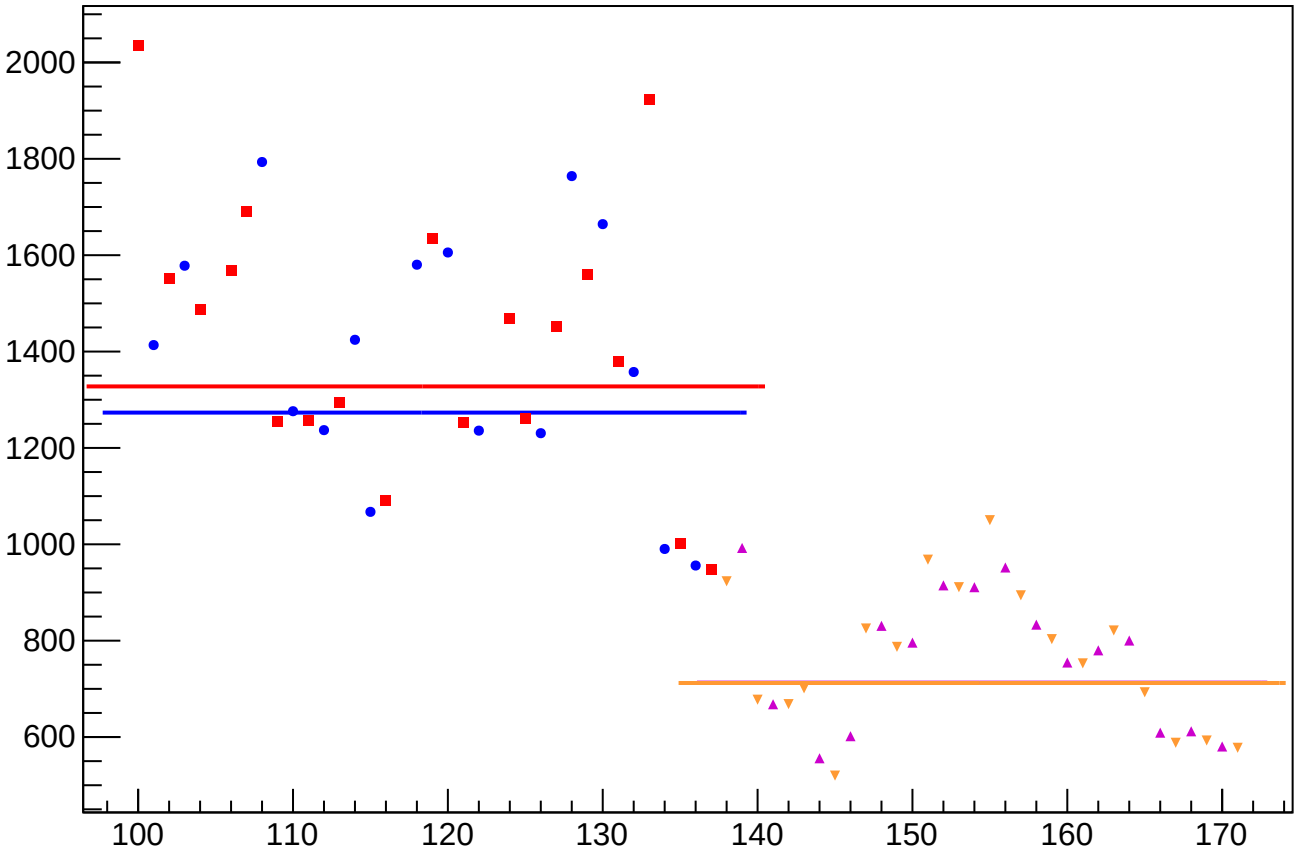
Right Out: -1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 58.929+/-200.205 χ^2/NDF:13.4/15

+ sign -897.524+/-179.352 χ^2/NDF: 81.0/33

All: -509.263+/-129.008 χ^2/NDF: 119.2/68

- sign -93.008+/-185.705 χ^2/NDF: 28.5/34



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

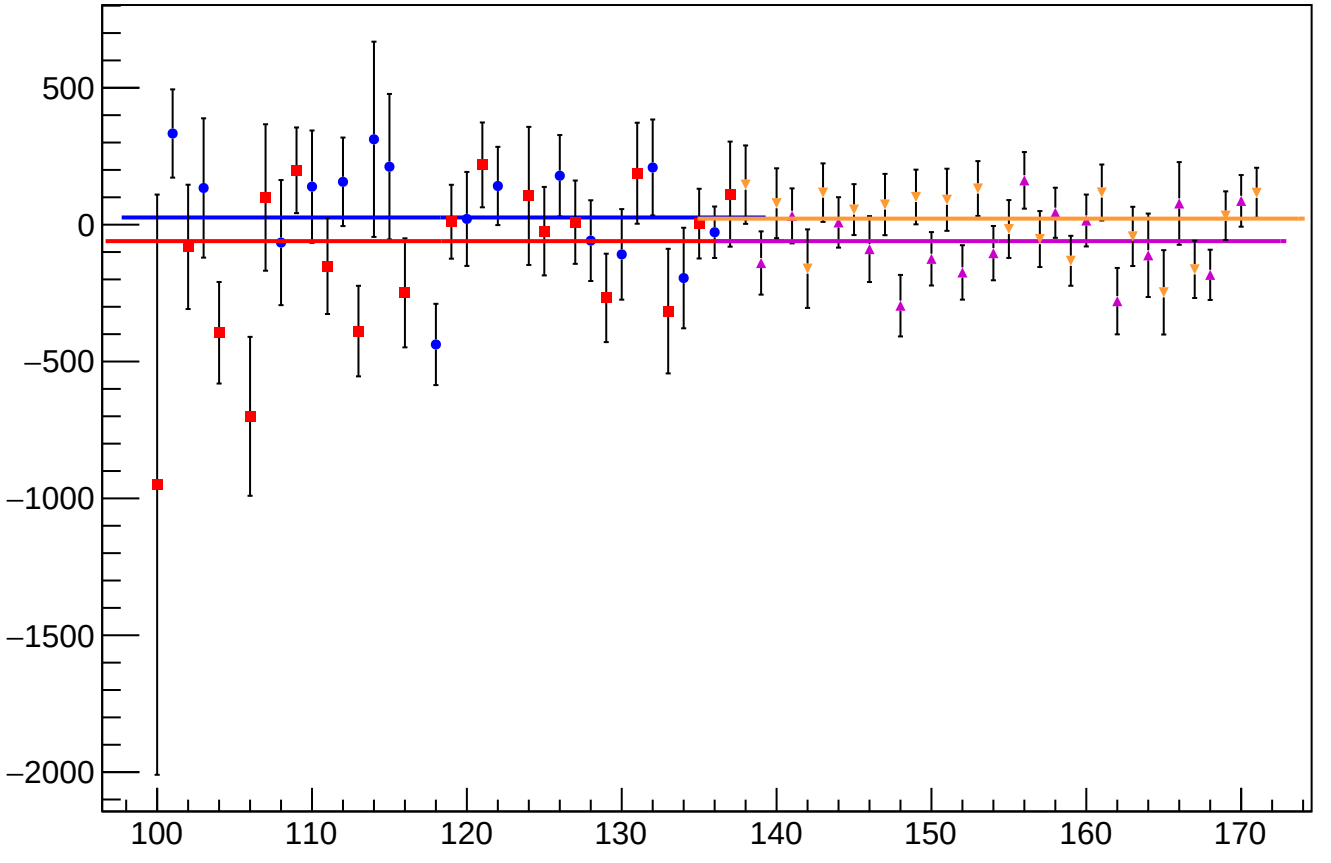
Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

+ sign 788.458+/-0.127 χ^2/NDF: 3965095.6/33

All: 793.428+/-0.091 χ^2/NDF: 7955960.6/68

- sign 798.757+/-0.131 χ^2/NDF: 3987682.3/34

dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 22.059+/-25.122 χ^2/NDF:17.9/17

Right Out: -60.119+/-41.528 χ^2/NDF: 27.0/18

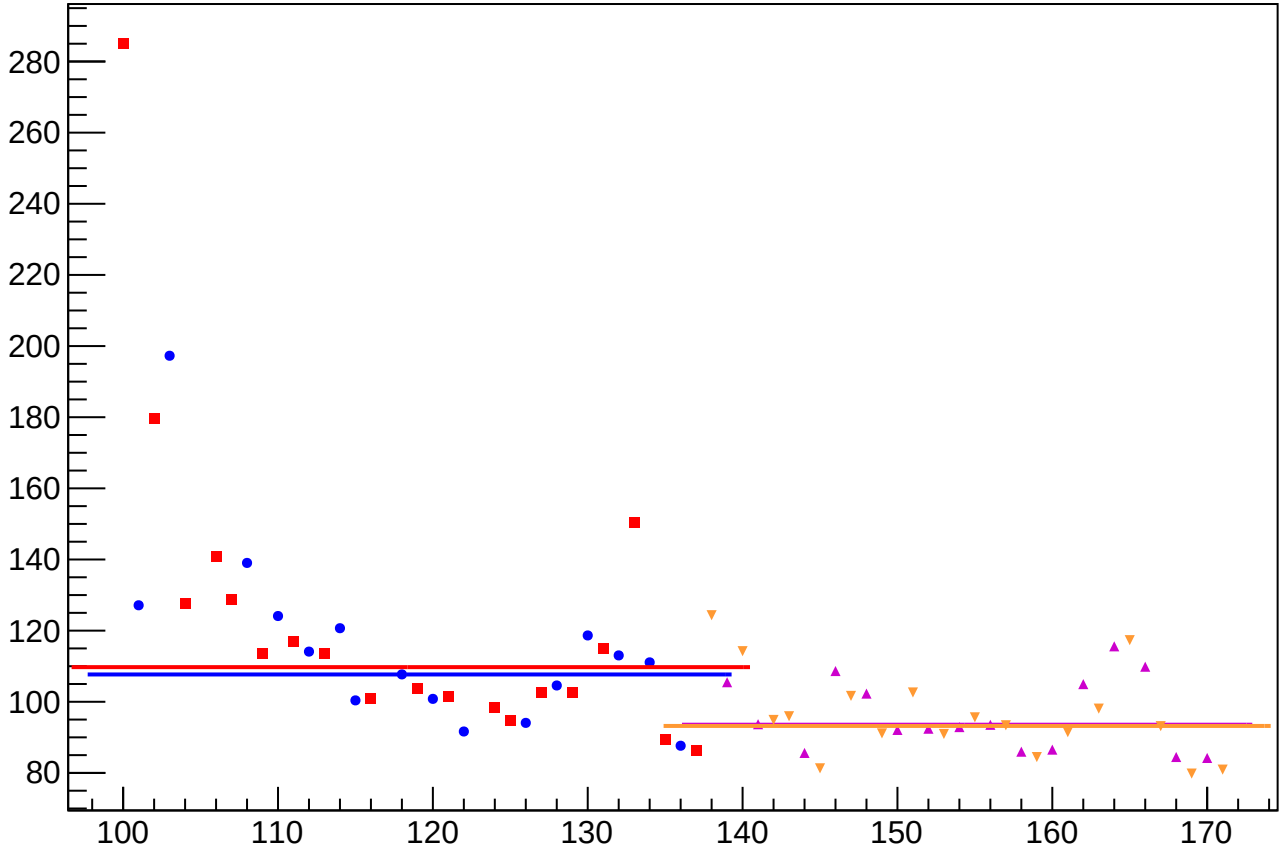
Left In: -60.105+/-26.188 χ^2/NDF:23.3/15

+ sign 23.194+/-21.452 χ^2/NDF: 39.3/33

All: -17.122+/-15.410 χ^2/NDF: 96.8/68

- sign -60.109+/-22.151 χ^2/NDF: 50.3/34

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.208+/-0.018 χ^2/NDF:364532.2/17

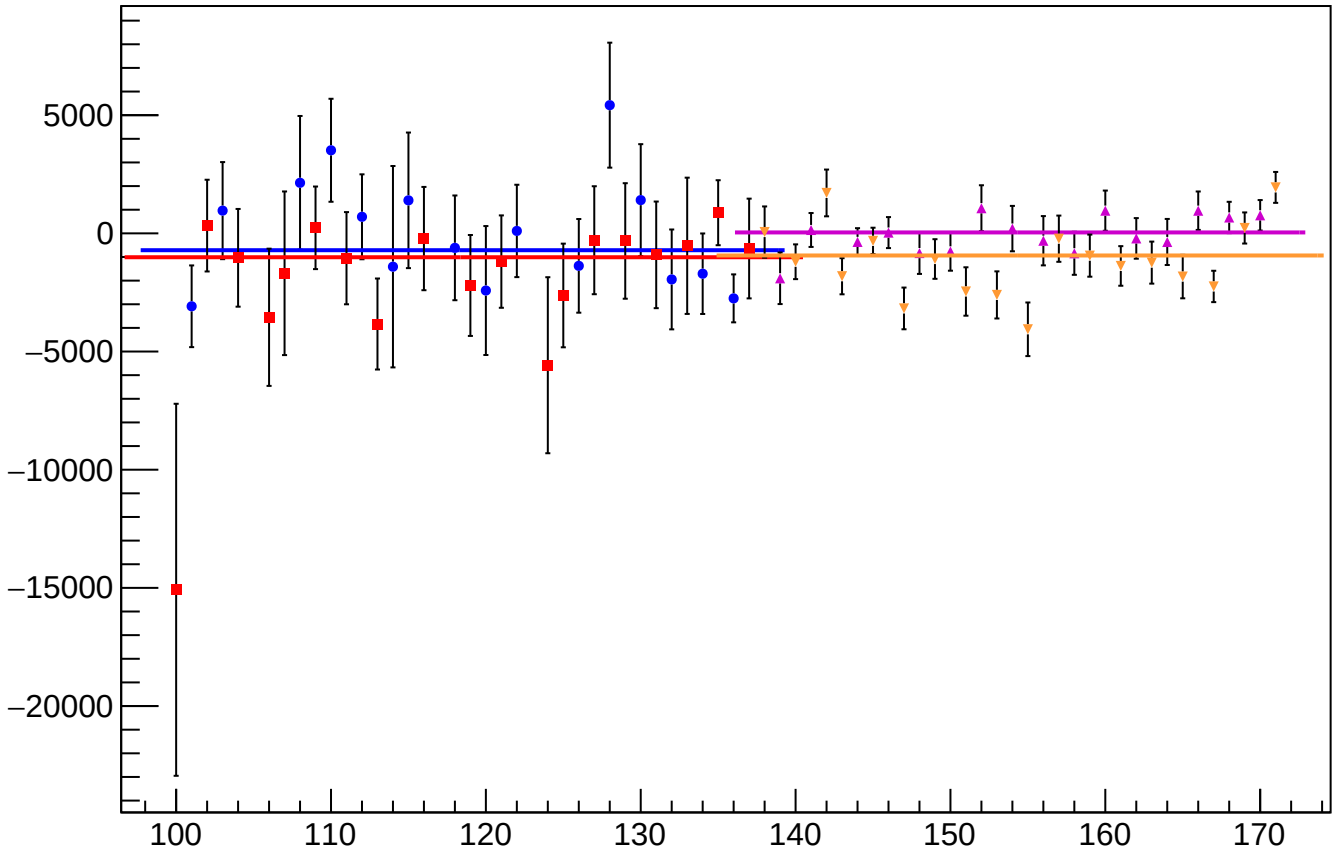
Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.552+/-0.019 χ^2/NDF:227187.6/15

+ sign 97.127+/-0.015 χ^2/NDF: 1027418.0/33

All: 97.626+/-0.011 χ^2/NDF: 1966042.2/68

- sign 98.158+/-0.016 χ^2/NDF: 936392.0/34



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -935.968+/-191.728 χ^2/NDF:58.0/17

Right Out: -1010.557+/-501.374 χ^2/NDF: 11.8/18

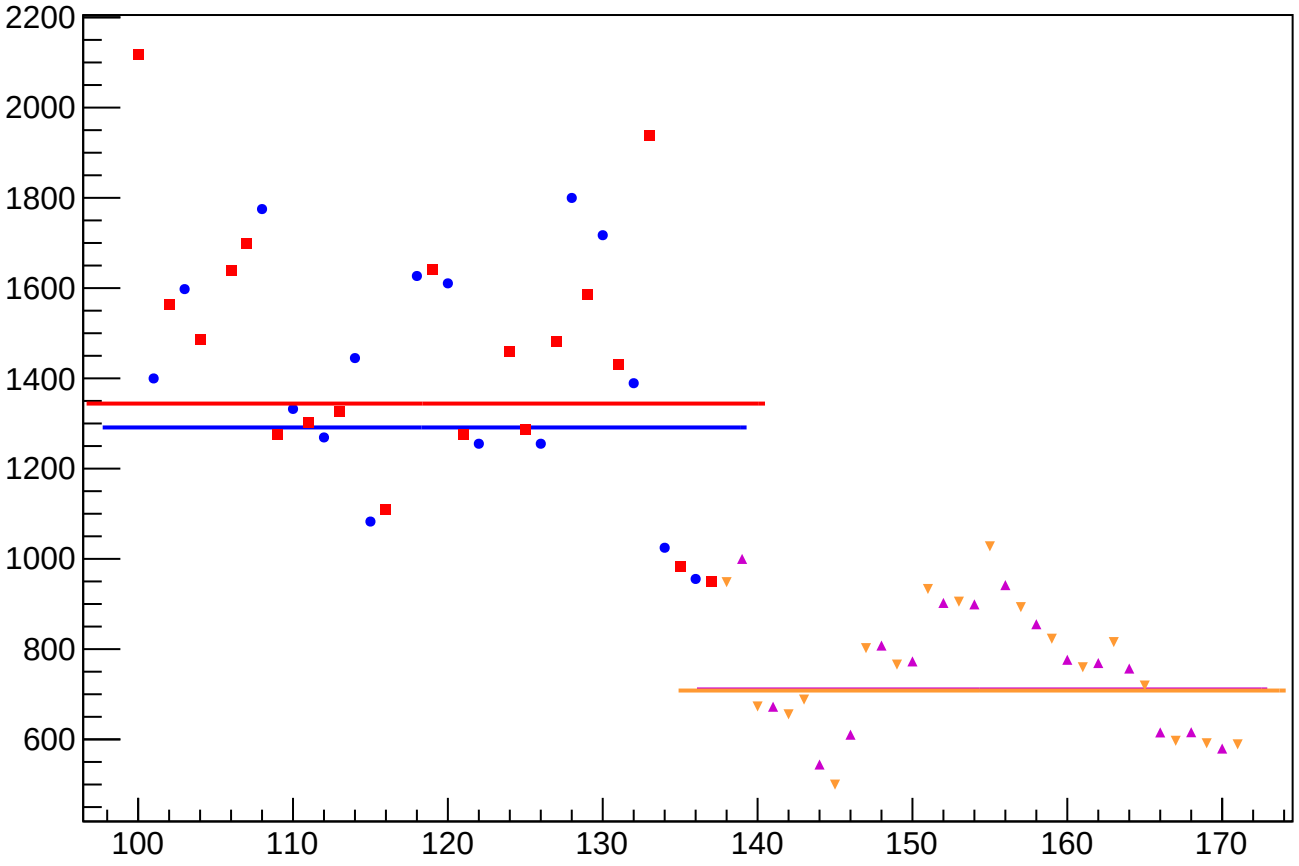
Left In: 38.965+/-199.562 χ^2/NDF:12.7/15

+ sign -906.687+/-178.703 χ^2/NDF: 78.3/33

All: -520.408+/-128.669 χ^2/NDF: 116.3/68

- sign -104.569+/-185.414 χ^2/NDF: 28.2/34

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 708.255+/-0.136 χ^2/NDF:1083455.1/17

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

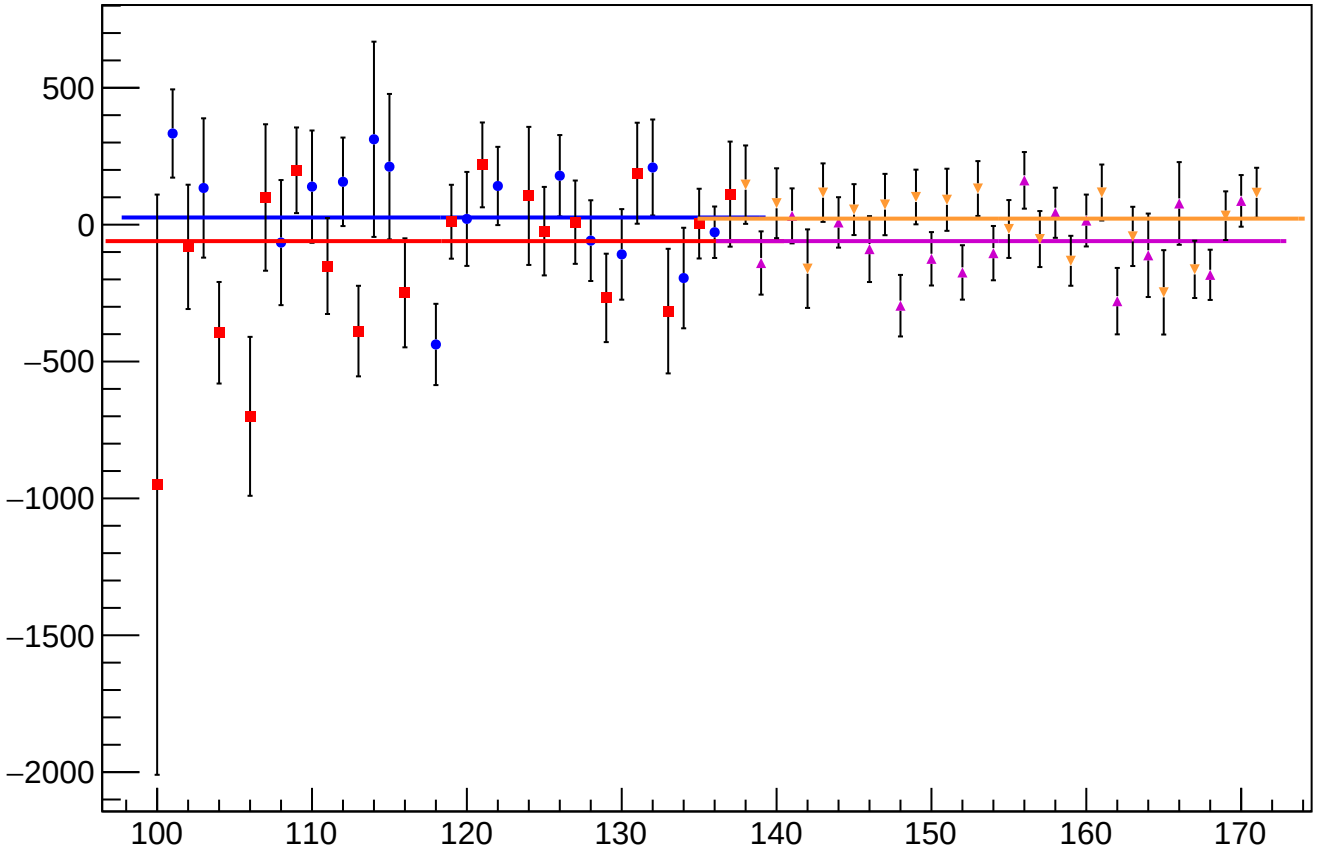
Left In: 710.683+/-0.141 χ^2/NDF:873446.8/15

+ sign 784.774+/-0.126 χ^2/NDF: 4121358.8/33

All: 790.812+/-0.091 χ^2/NDF: 8246272.5/68

- sign 797.312+/-0.131 χ^2/NDF: 4120172.3/34

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 22.059+/-25.122 χ^2/NDF:17.9/17

Right Out: -60.117+/-41.528 χ^2/NDF: 27.0/18

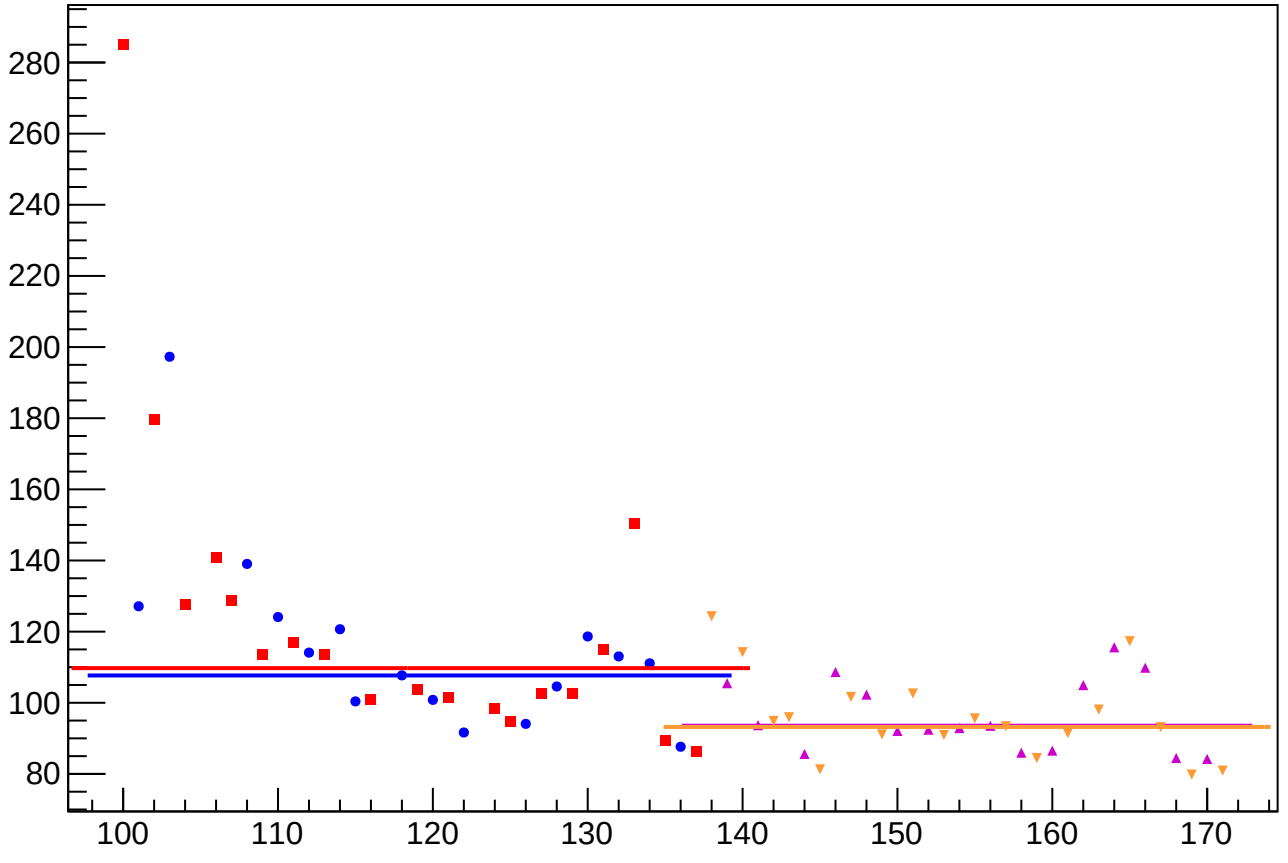
Left In: -60.104+/-26.188 χ^2/NDF:23.3/15

+ sign 23.195+/-21.452 χ^2/NDF: 39.3/33

All: -17.121+/-15.410 χ^2/NDF: 96.8/68

- sign -60.108+/-22.151 χ^2/NDF: 50.3/34

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.208+/-0.018 χ^2/NDF:364524.3/17

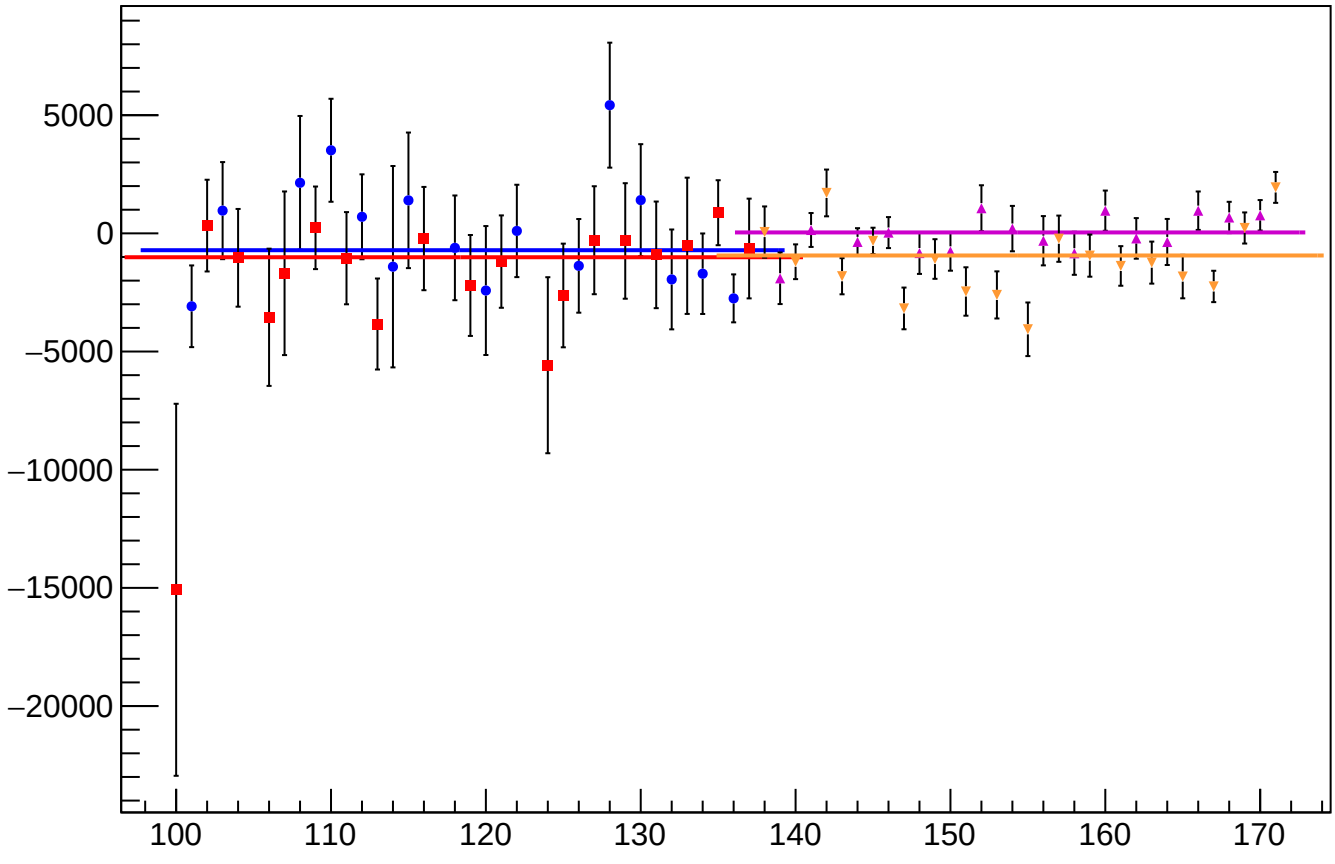
Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.552+/-0.019 χ^2/NDF:227189.9/15

+ sign 97.128+/-0.015 χ^2/NDF: 1027371.6/33

All: 97.626+/-0.011 χ^2/NDF: 1965970.8/68

- sign 98.158+/-0.016 χ^2/NDF: 936366.9/34



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -935.966+/-191.727 χ^2/NDF:58.0/17

Right Out: -1010.556+/-501.373 χ^2/NDF: 11.8/18

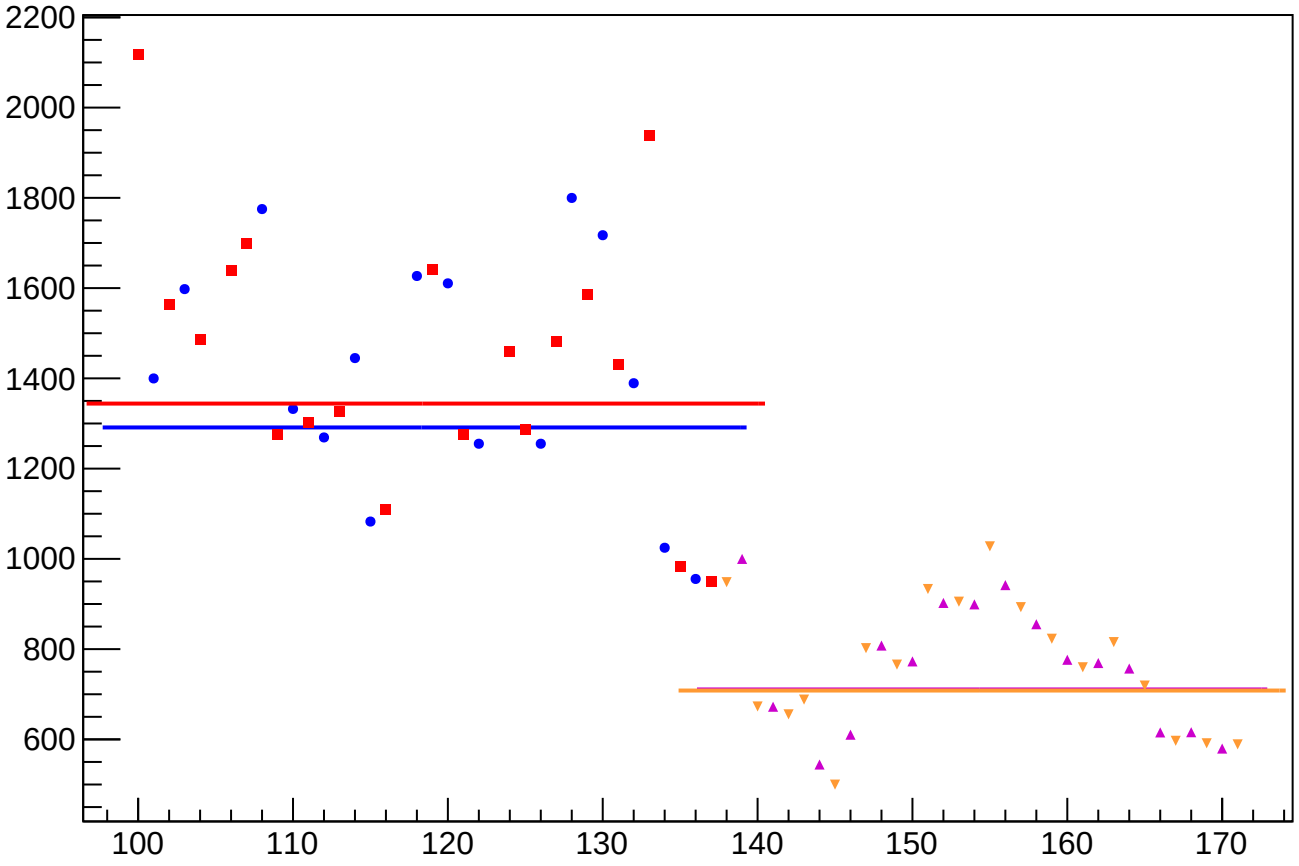
Left In: 38.966+/-199.561 χ^2/NDF:12.7/15

+ sign -906.685+/-178.702 χ^2/NDF: 78.3/33

All: -520.406+/-128.669 χ^2/NDF: 116.3/68

- sign -104.568+/-185.414 χ^2/NDF: 28.2/34

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 708.254+/-0.136 χ^2/NDF:1083467.1/17

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

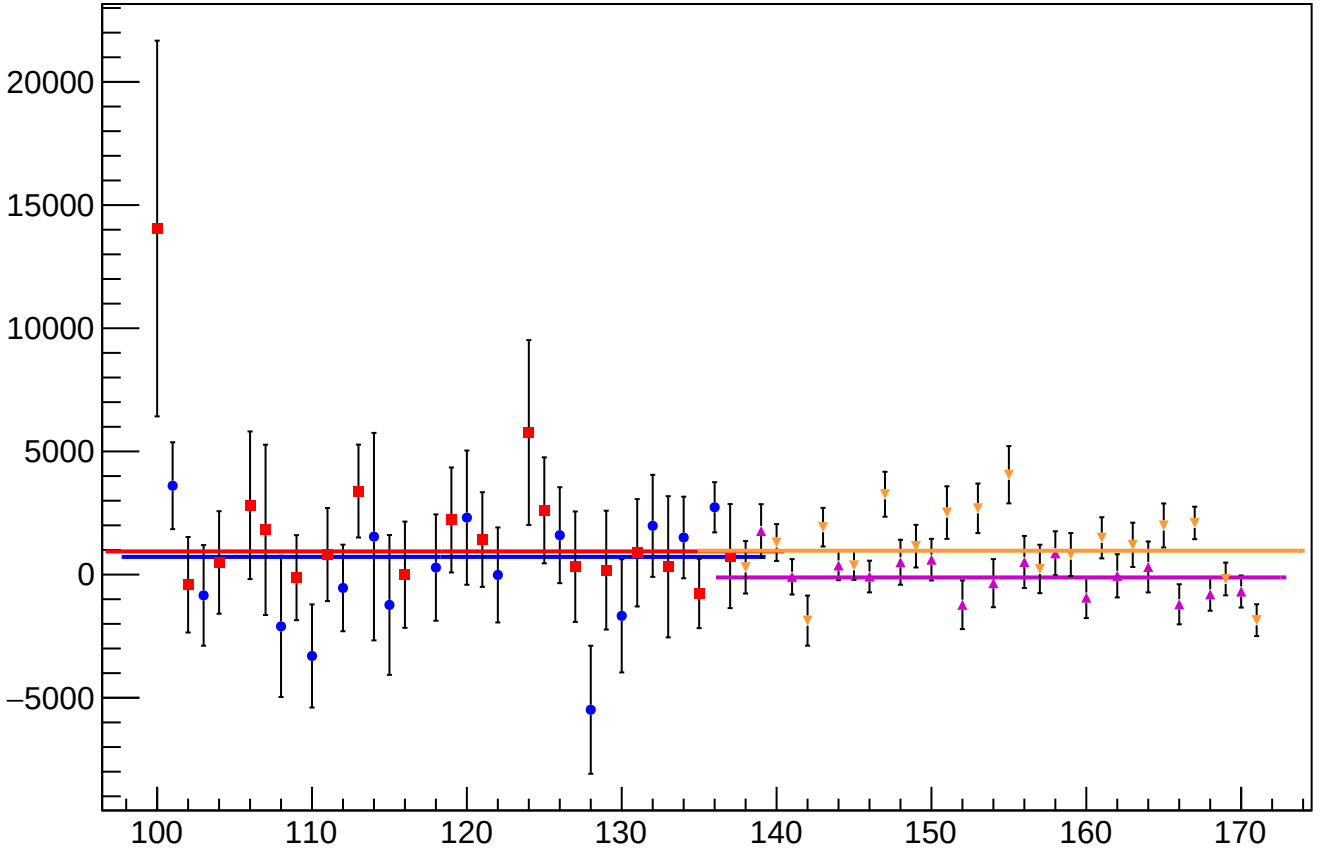
Left In: 710.681+/-0.141 χ^2/NDF:873452.0/15

+ sign 784.772+/-0.126 χ^2/NDF: 4121370.1/33

All: 790.810+/-0.091 χ^2/NDF: 8246287.7/68

- sign 797.311+/-0.131 χ^2/NDF: 4120176.1/34

asym_sam_2468_avg_mean vs Slug



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 970.251+/-194.103 χ^2/NDF:56.7/17

Right Out: 942.308+/-498.052 χ^2/NDF: 10.6/18

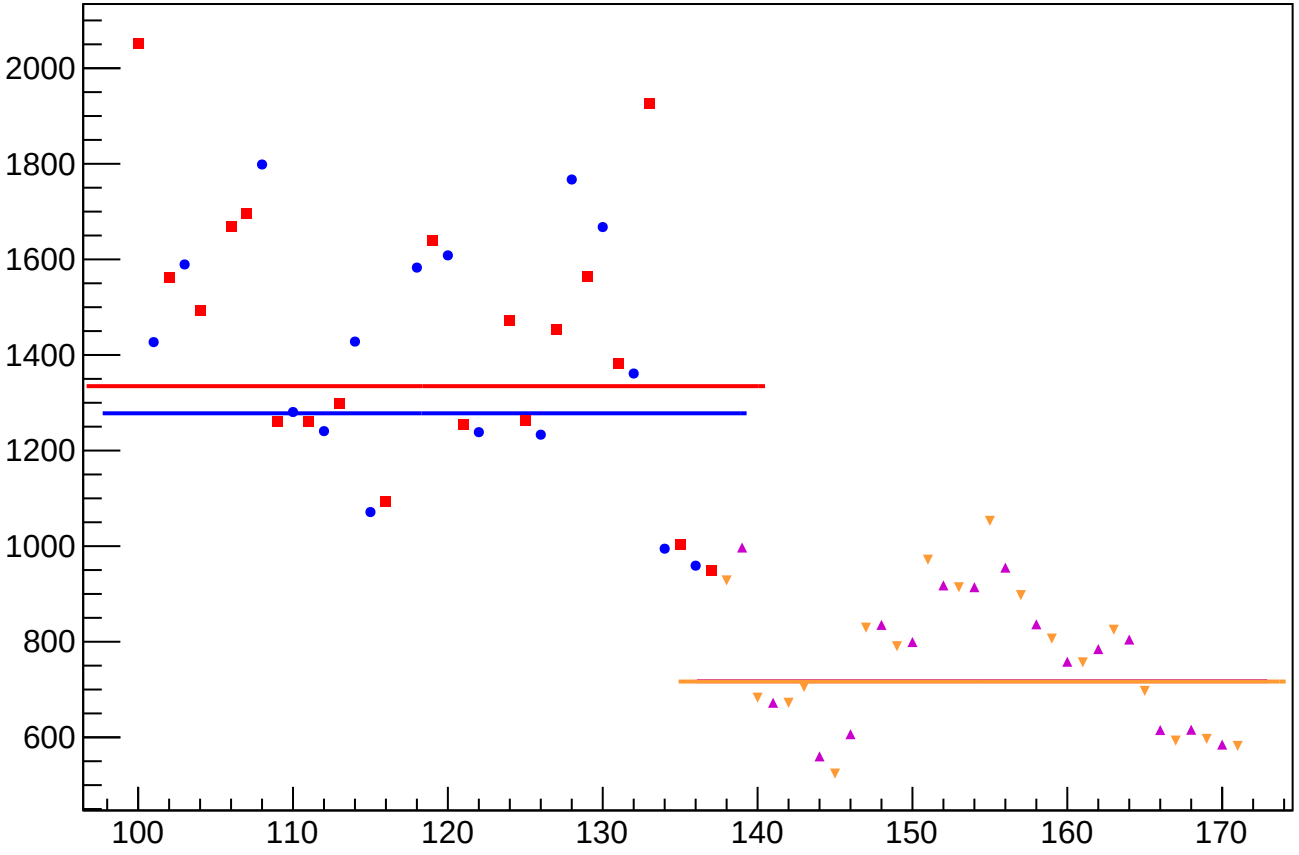
Left In: -115.352+/-201.439 χ^2/NDF:12.5/15

+ sign 935.771+/-180.372 χ^2/NDF: 77.9/33

All: 500.212+/-129.736 χ^2/NDF: 116.9/68

- sign 33.339+/-186.743 χ^2/NDF: 27.0/34

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 716.686+/-0.137 χ^2/NDF:1052428.3/17

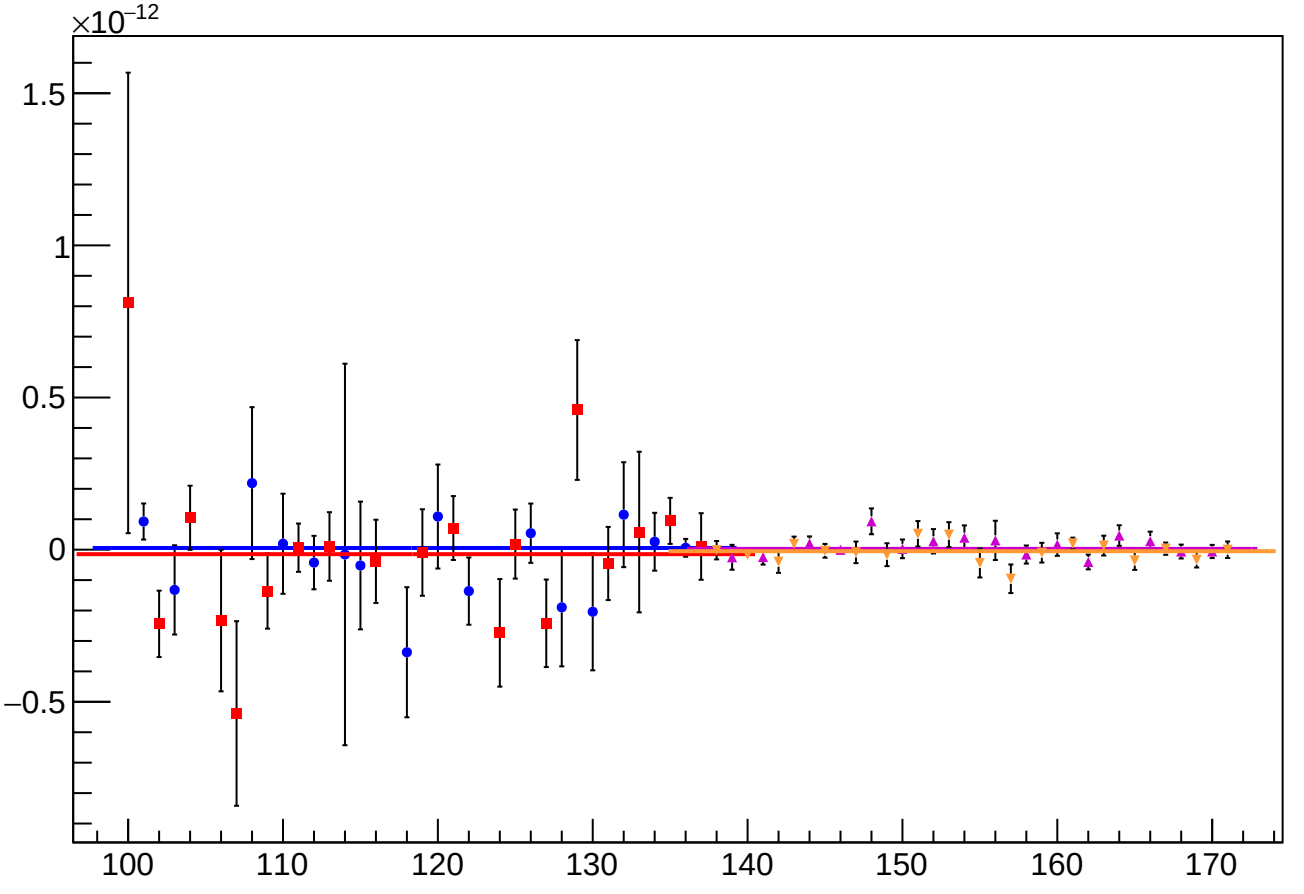
Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 717.546+/-0.142 χ^2/NDF:882339.4/15

+ sign 793.292+/-0.128 χ^2/NDF: 3932626.7/33

All: 798.614+/-0.092 χ^2/NDF: 7930304.7/68

- sign 804.320+/-0.132 χ^2/NDF: 3994069.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/17

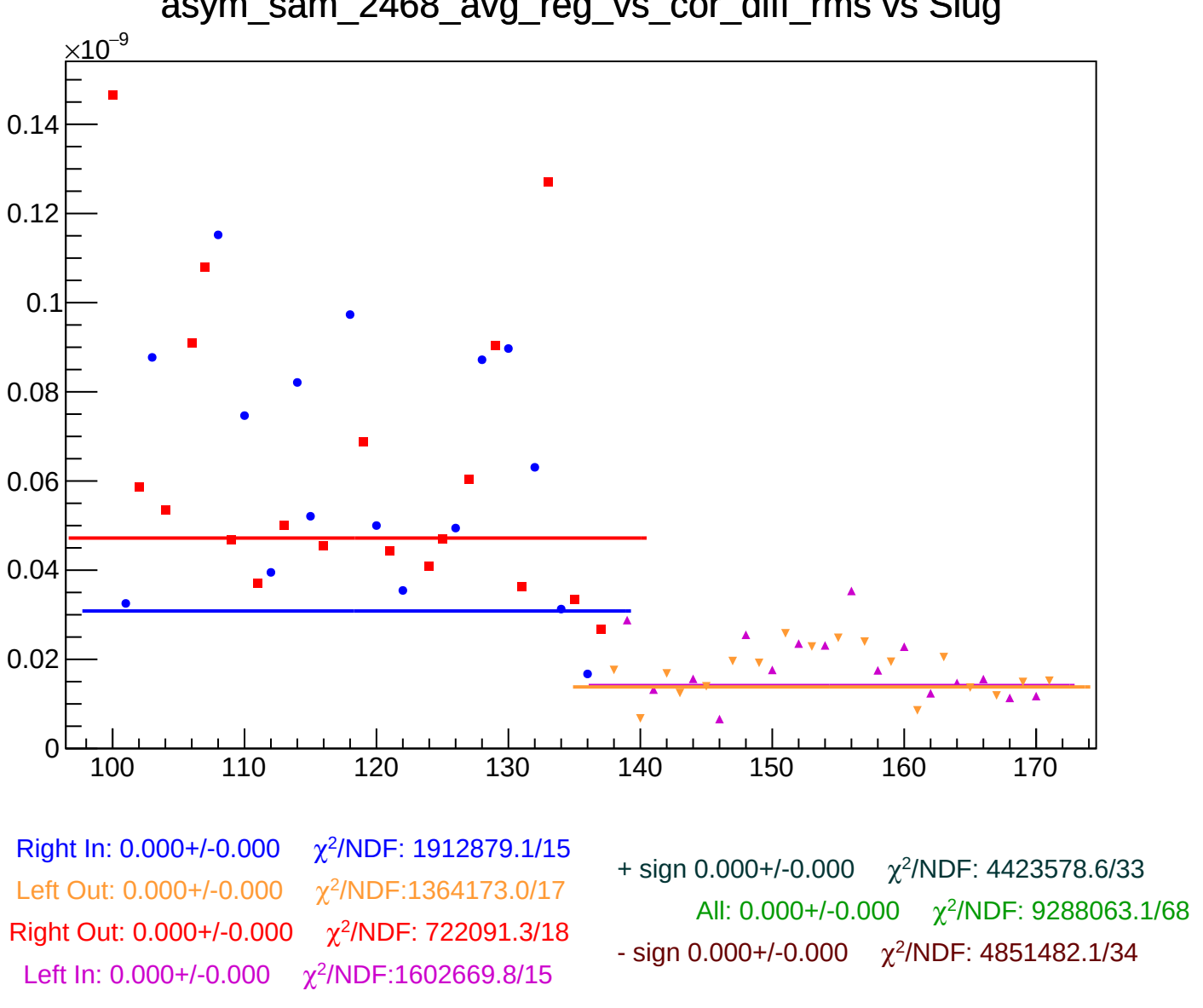
Right Out: -0.000+/-0.000 χ^2/NDF: 23.8/18

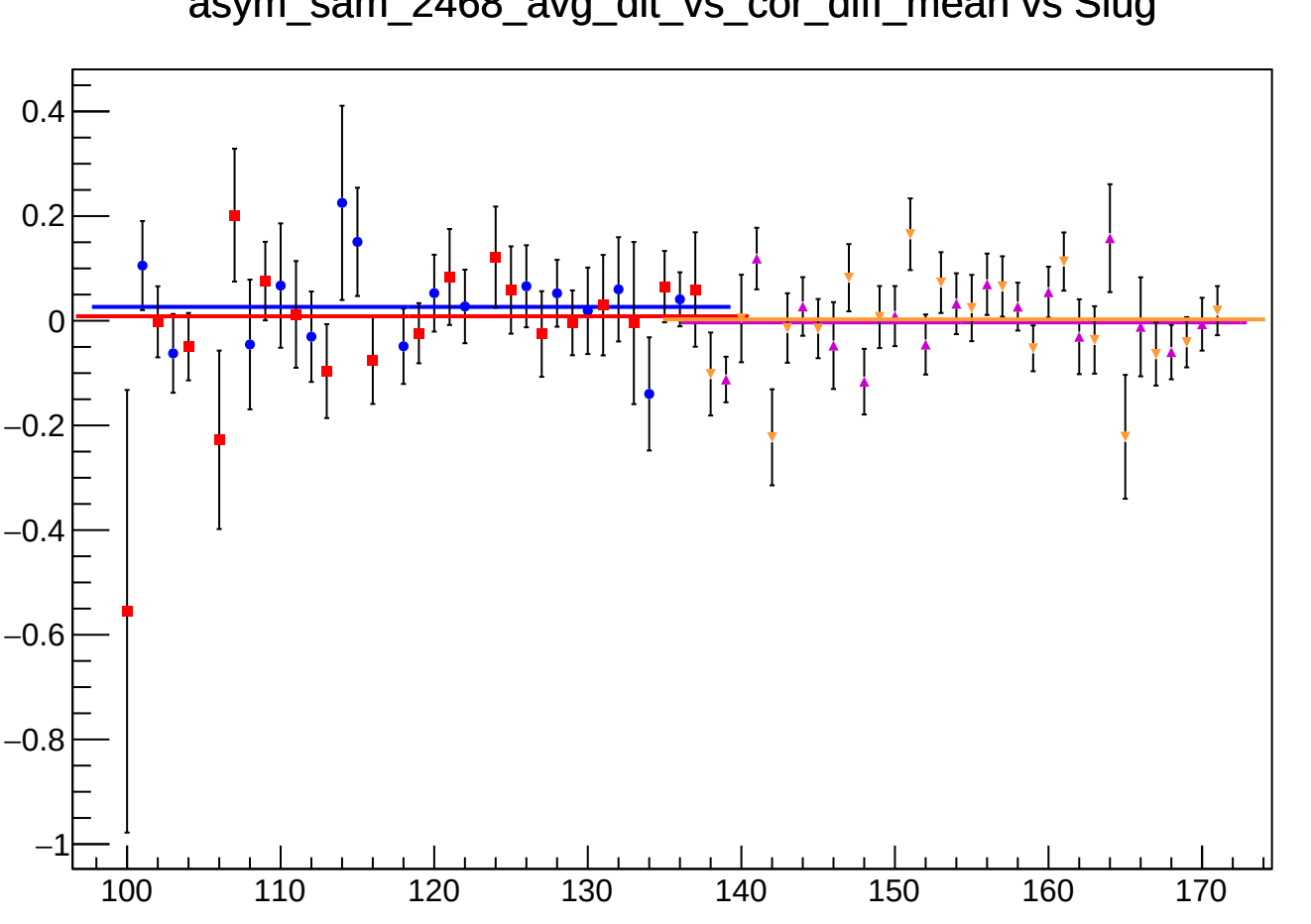
Left In: 0.000+/-0.000 χ^2/NDF:14.5/15

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/33

All: -0.000+/-0.000 χ^2/NDF: 66.0/68

- sign 0.000+/-0.000 χ^2/NDF: 38.6/34


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1364173.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1602669.8/15
+ sign 0.000+/-0.000 χ²/NDF: 4423578.6/33
All: 0.000+/-0.000 χ²/NDF: 9288063.1/68
- sign 0.000+/-0.000 χ²/NDF: 4851482.1/34



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.5/17

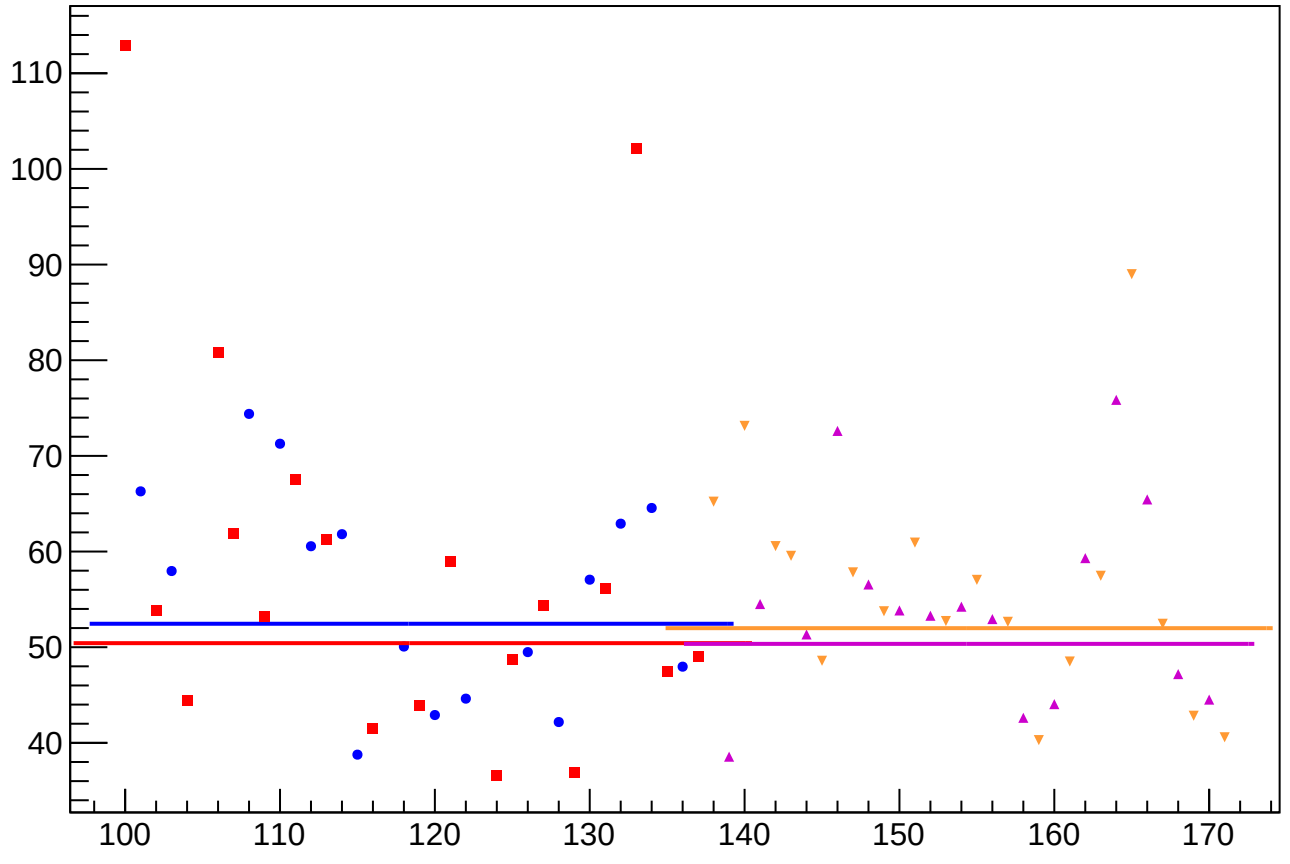
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.014 χ^2/NDF:22.5/15

+ sign 0.010+/-0.012 χ^2/NDF: 40.4/33

All: 0.006+/-0.008 χ^2/NDF: 77.4/68

- sign 0.001+/-0.012 χ^2/NDF: 36.7/34



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.989+/-0.010 χ^2/NDF:851918.9/17

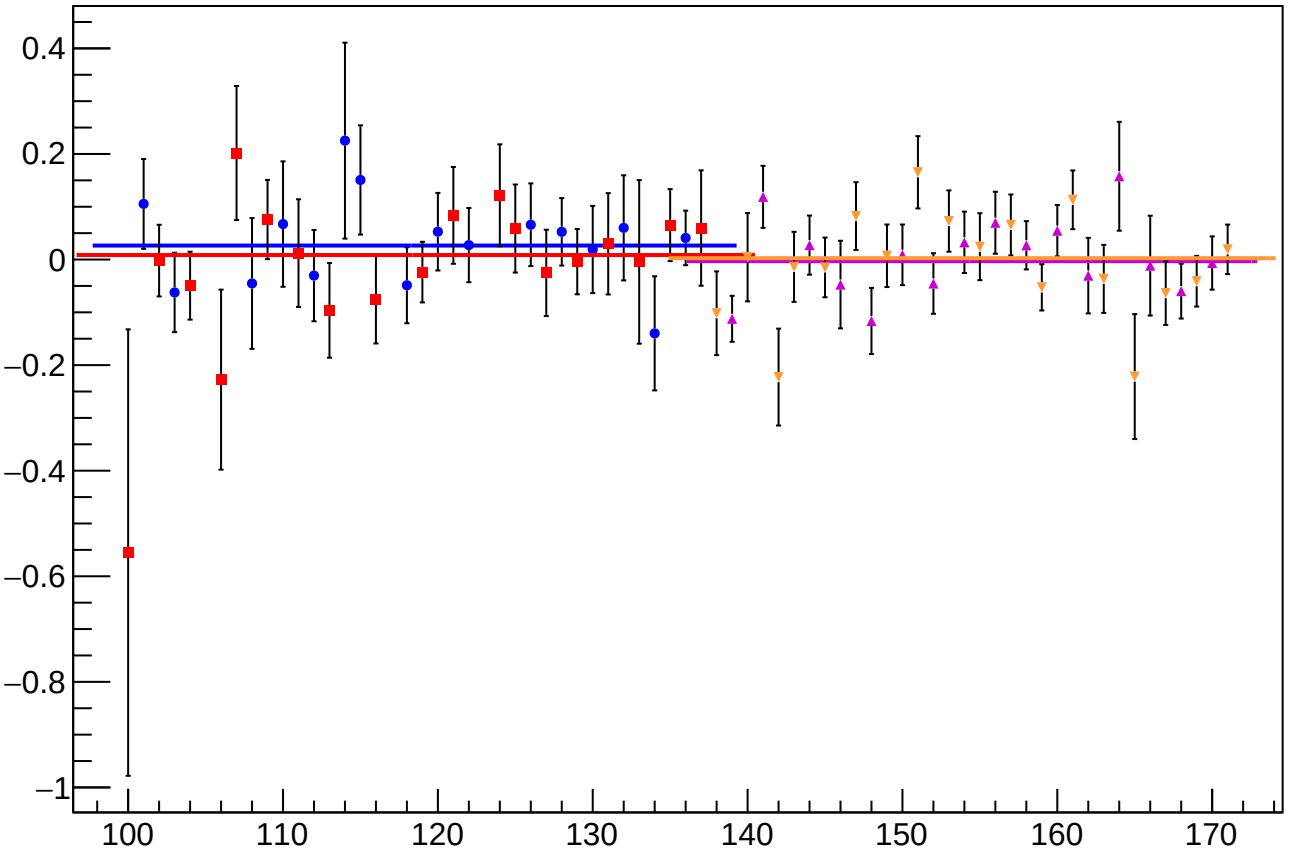
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.348+/-0.010 χ^2/NDF:675950.1/15

+ sign 52.142+/-0.008 χ^2/NDF: 1270618.3/33

All: 51.249+/-0.006 χ^2/NDF: 2646288.6/68

- sign 50.375+/-0.008 χ^2/NDF: 1352716.4/34



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.5/17

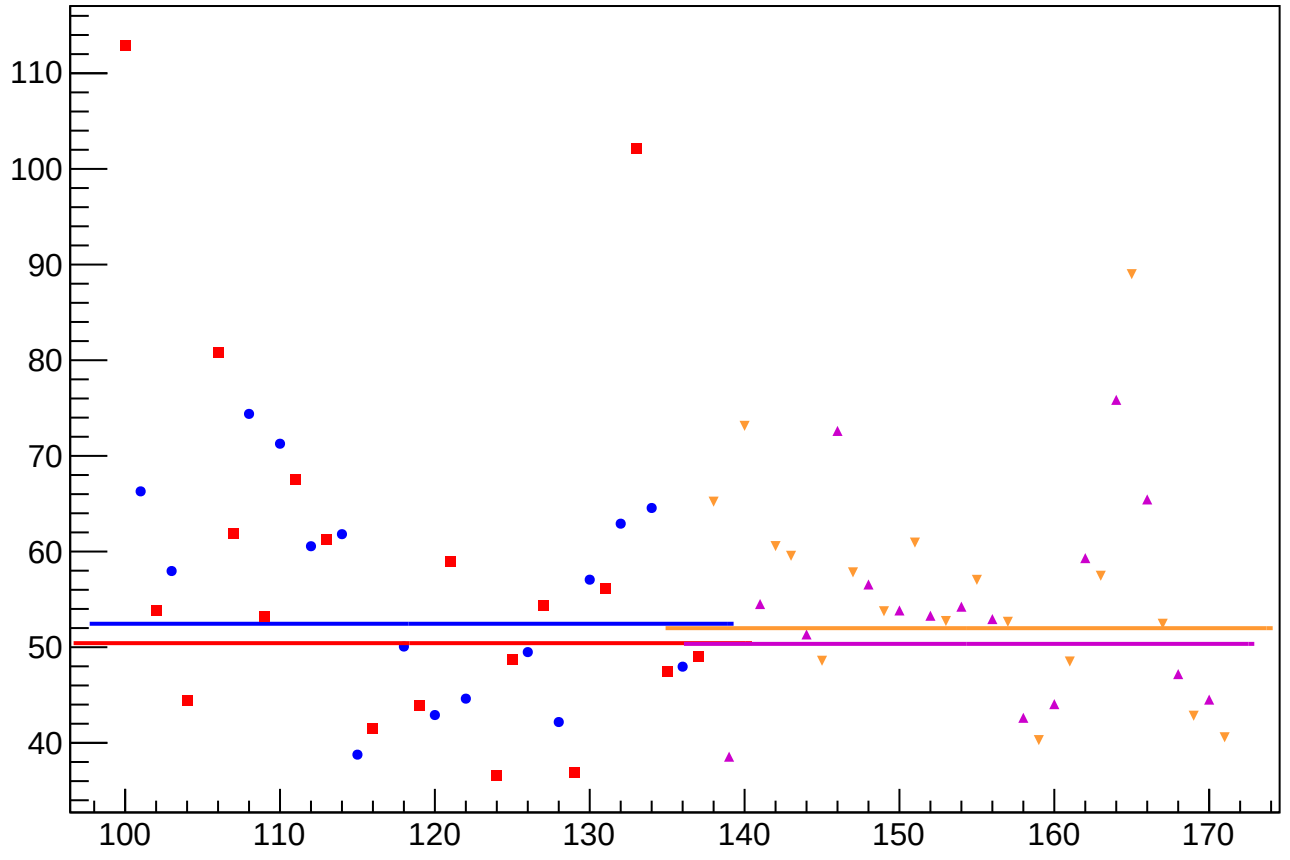
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.014 χ^2/NDF:22.5/15

+ sign 0.010+/-0.012 χ^2/NDF: 40.4/33

All: 0.006+/-0.008 χ^2/NDF: 77.4/68

- sign 0.001+/-0.012 χ^2/NDF: 36.7/34



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.989+/-0.010 χ^2/NDF:851918.9/17

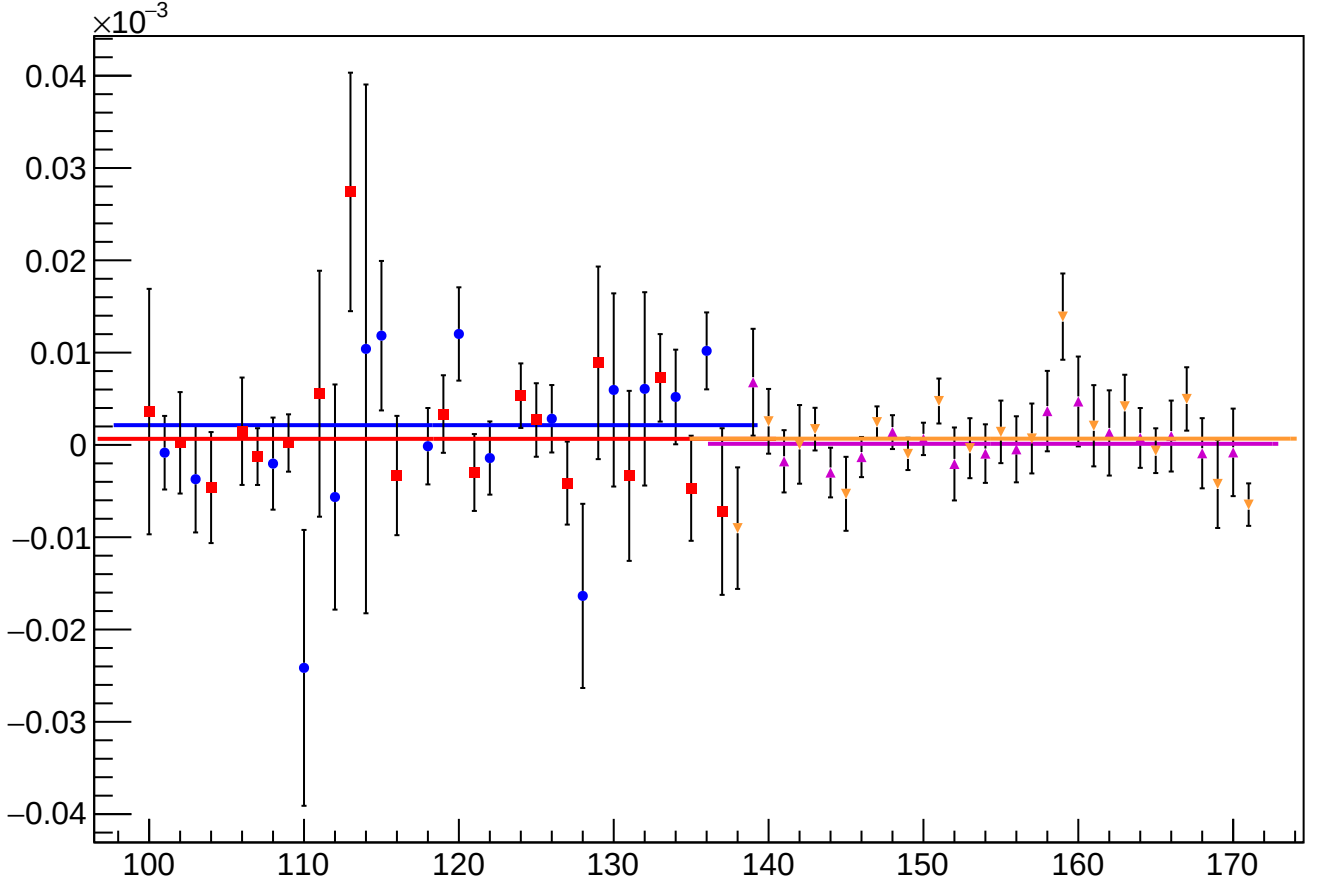
Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.348+/-0.010 χ^2/NDF:675950.1/15

+ sign 52.142+/-0.008 χ^2/NDF: 1270618.3/33

All: 51.249+/-0.006 χ^2/NDF: 2646288.6/68

- sign 50.375+/-0.008 χ^2/NDF: 1352716.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/17

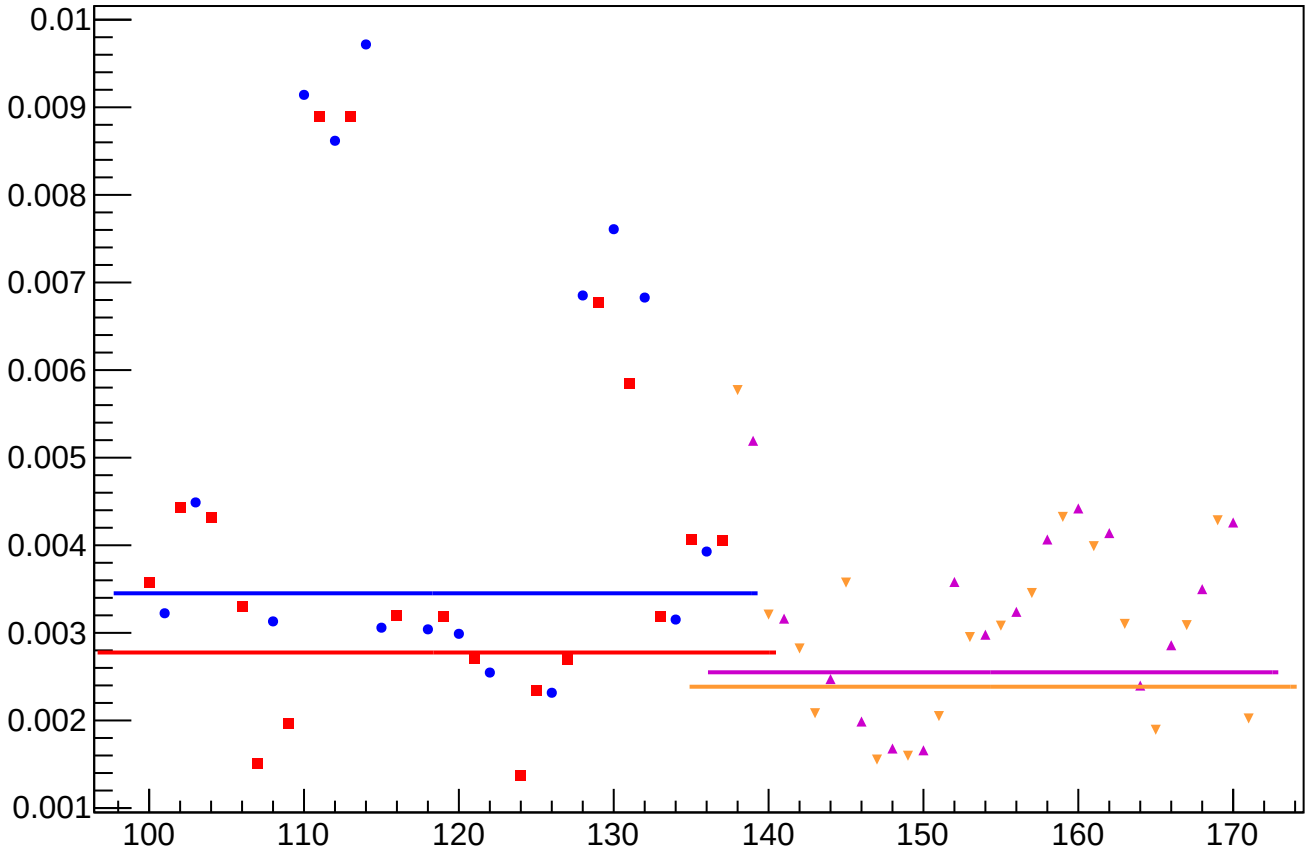
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/15

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/33

All: 0.000+/-0.000 χ^2/NDF: 74.3/68

- sign 0.000+/-0.000 χ^2/NDF: 21.2/34



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324104.6/17

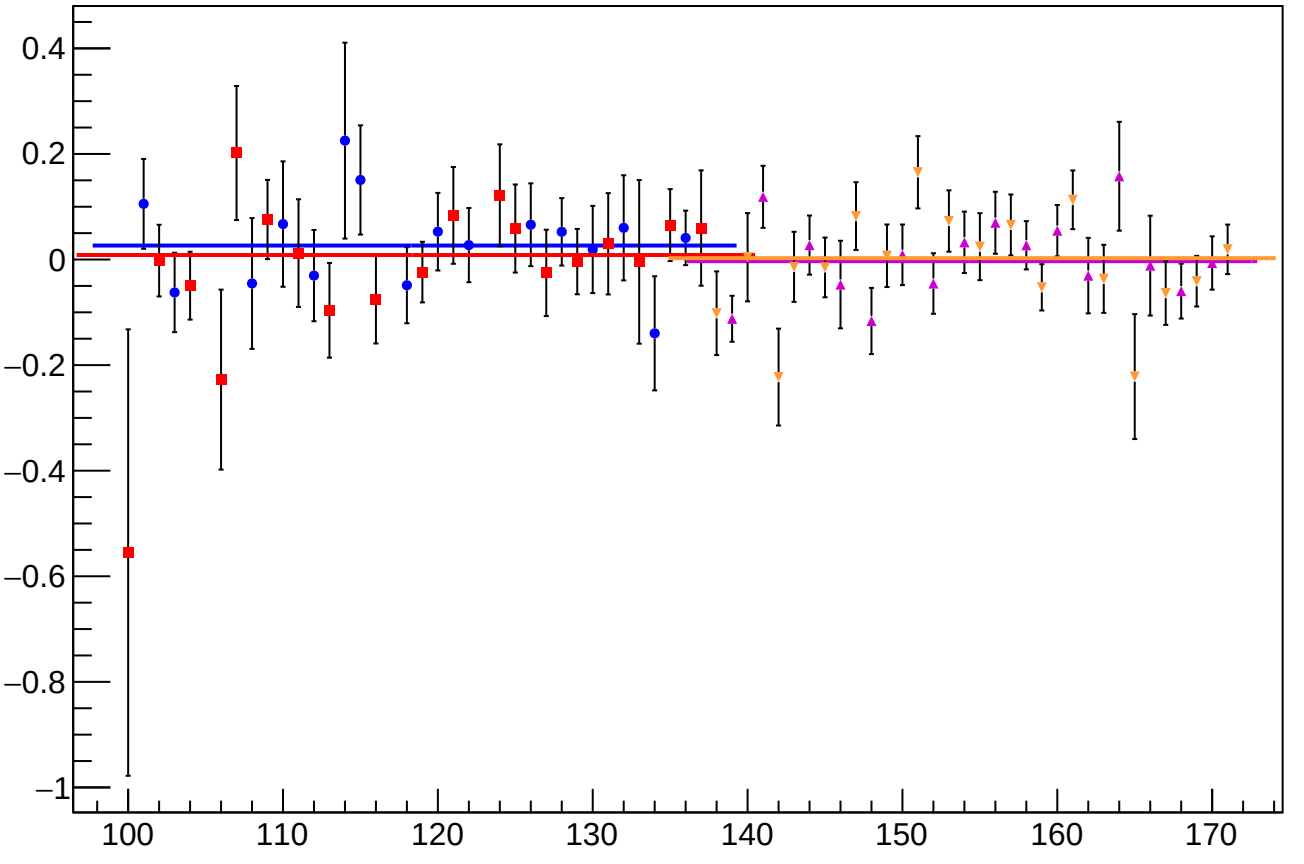
Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3007634.2/15

+ sign 0.003+/-0.000 χ^2/NDF: 6230452.9/33

All: 0.003+/-0.000 χ^2/NDF: 12028850.7/68

- sign 0.003+/-0.000 χ^2/NDF: 5796567.2/34



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.5/17

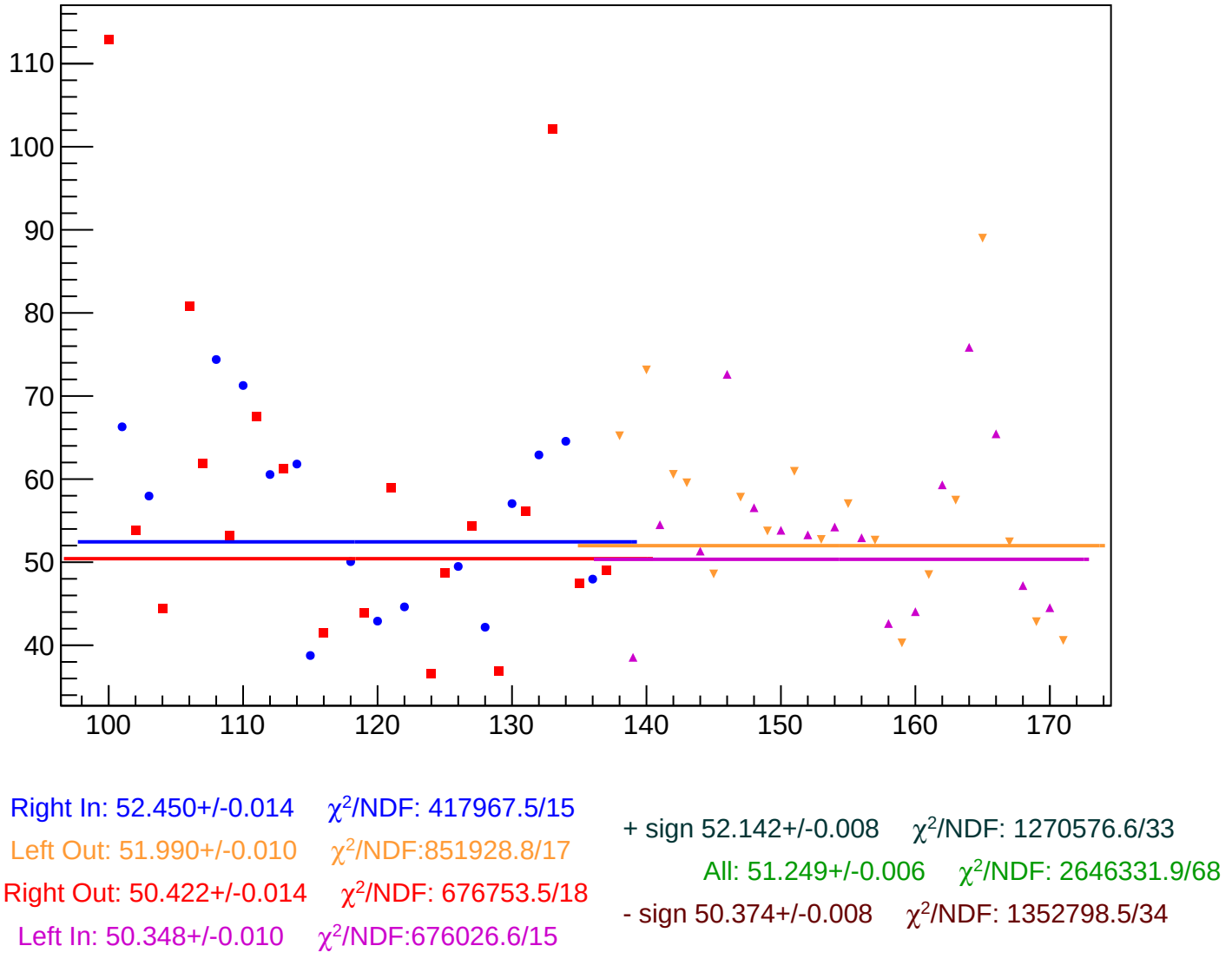
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

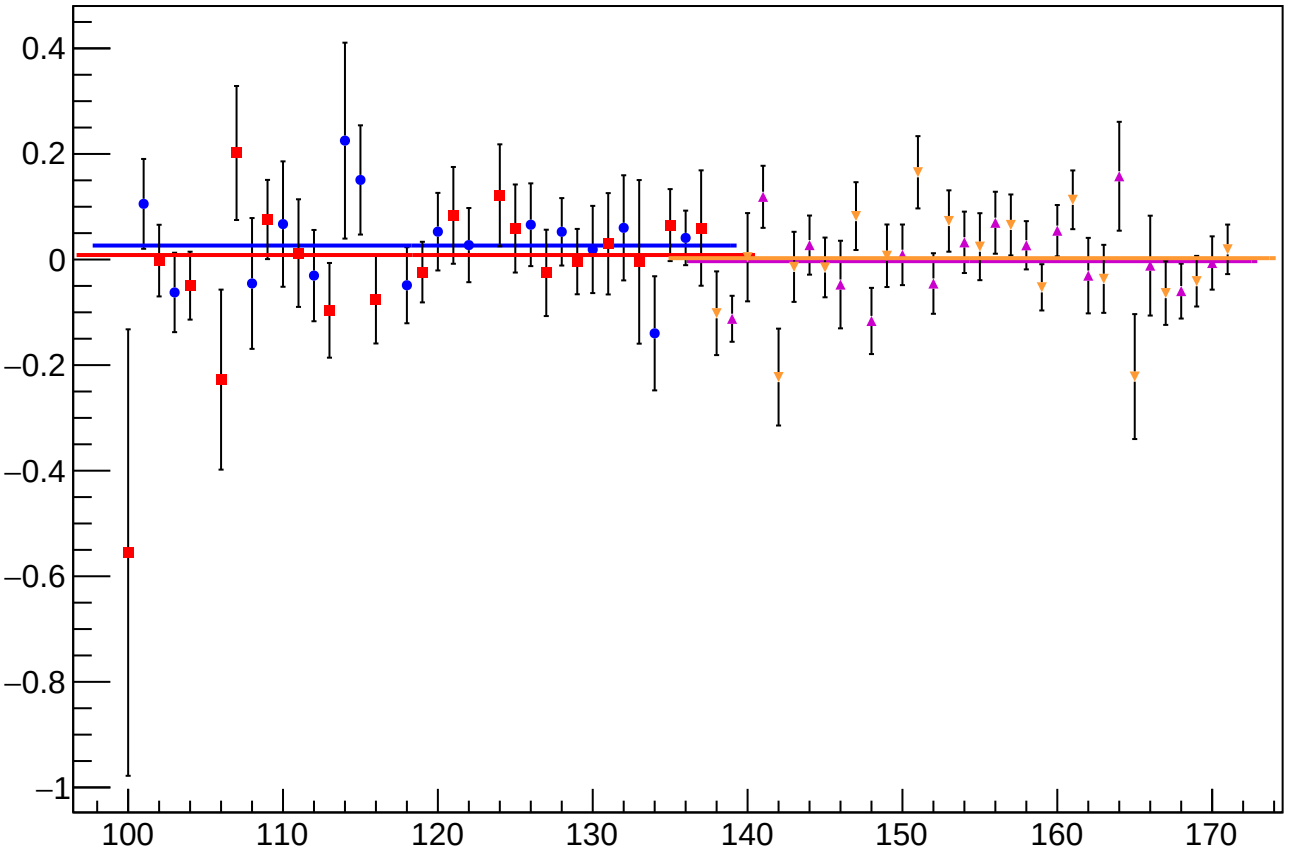
Left In: -0.003+/-0.014 χ^2/NDF:22.5/15

+ sign 0.010+/-0.012 χ^2/NDF: 40.4/33

All: 0.006+/-0.008 χ^2/NDF: 77.4/68

- sign 0.001+/-0.012 χ^2/NDF: 36.7/34


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 51.990+/-0.010 χ²/NDF:851928.8/17
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 50.348+/-0.010 χ²/NDF:676026.6/15
+ sign 52.142+/-0.008 χ²/NDF: 1270576.6/33
All: 51.249+/-0.006 χ²/NDF: 2646331.9/68
- sign 50.374+/-0.008 χ²/NDF: 1352798.5/34



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.5/17

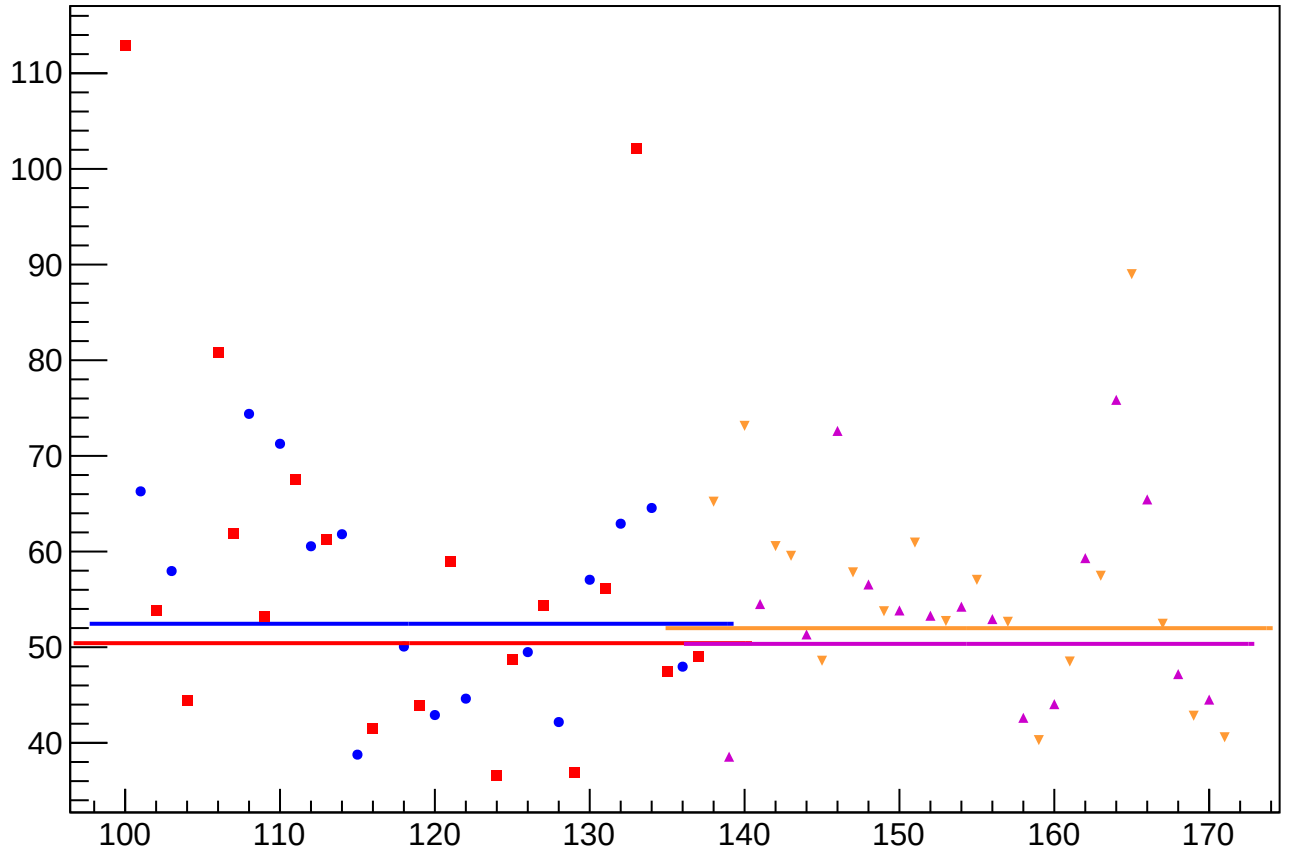
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.014 χ^2/NDF:22.5/15

+ sign 0.010+/-0.012 χ^2/NDF: 40.4/33

All: 0.006+/-0.008 χ^2/NDF: 77.4/68

- sign 0.001+/-0.012 χ^2/NDF: 36.7/34



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.990+/-0.010 χ^2/NDF:851928.8/17

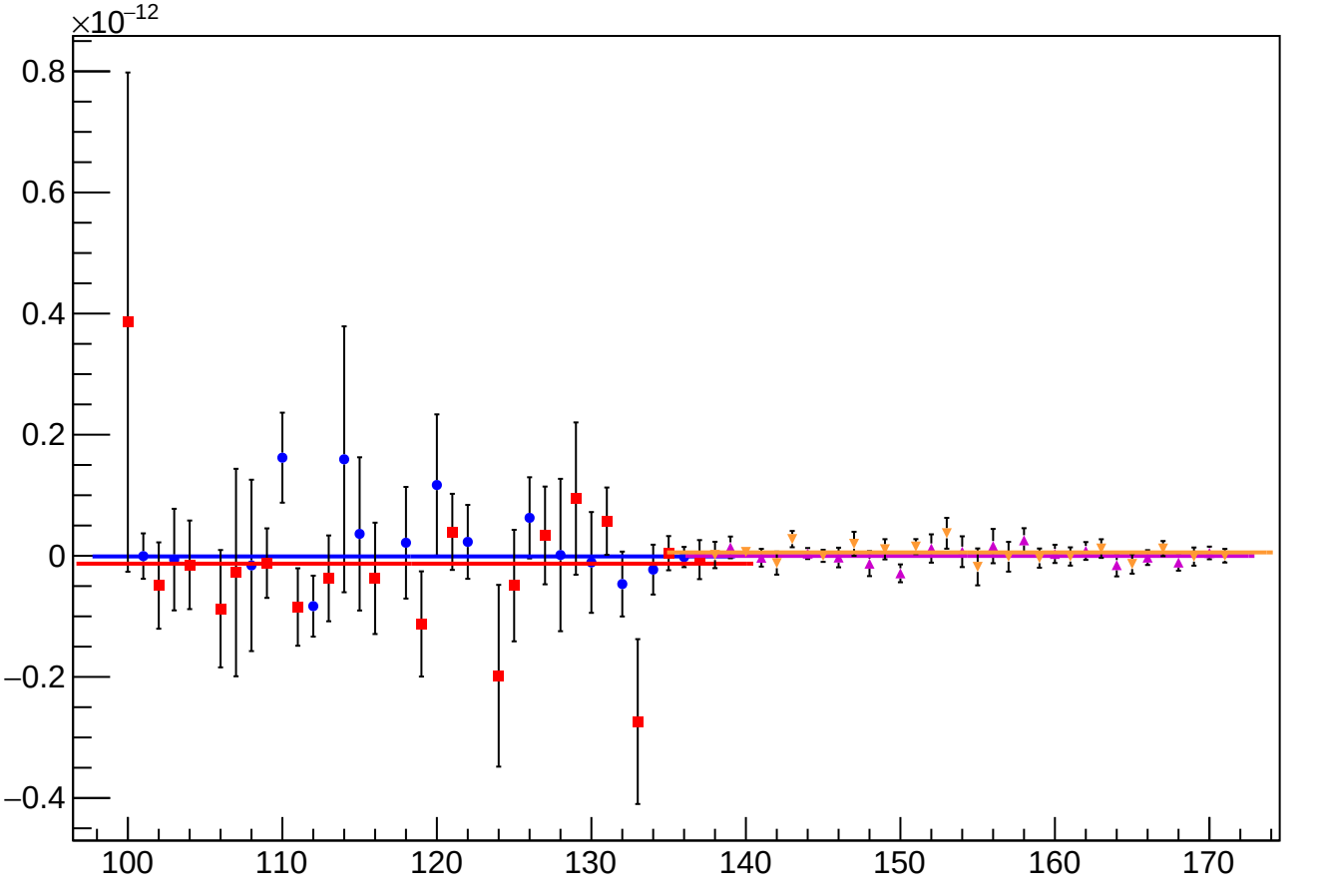
Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

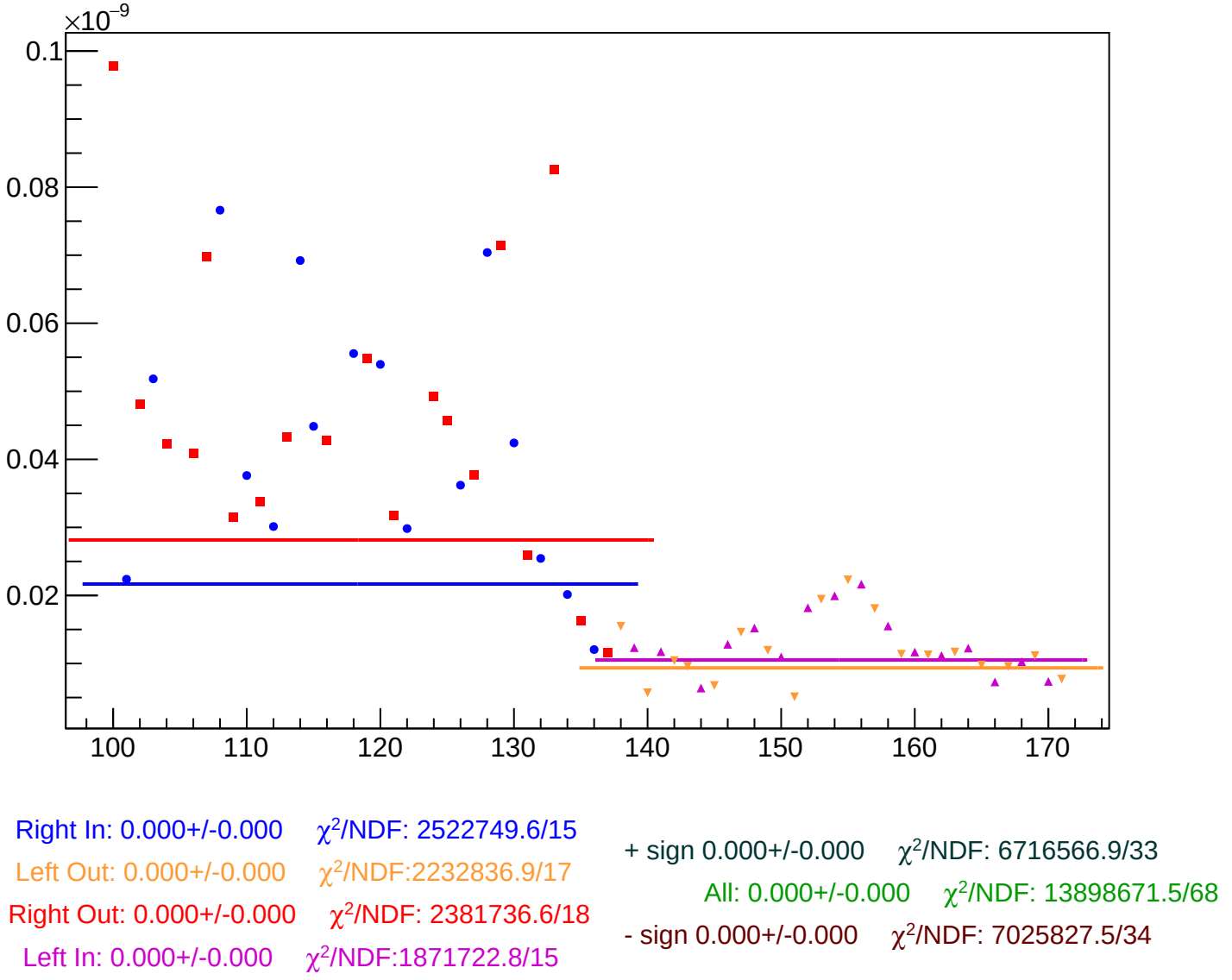
Left In: 50.348+/-0.010 χ^2/NDF:676026.6/15

+ sign 52.142+/-0.008 χ^2/NDF: 1270576.6/33

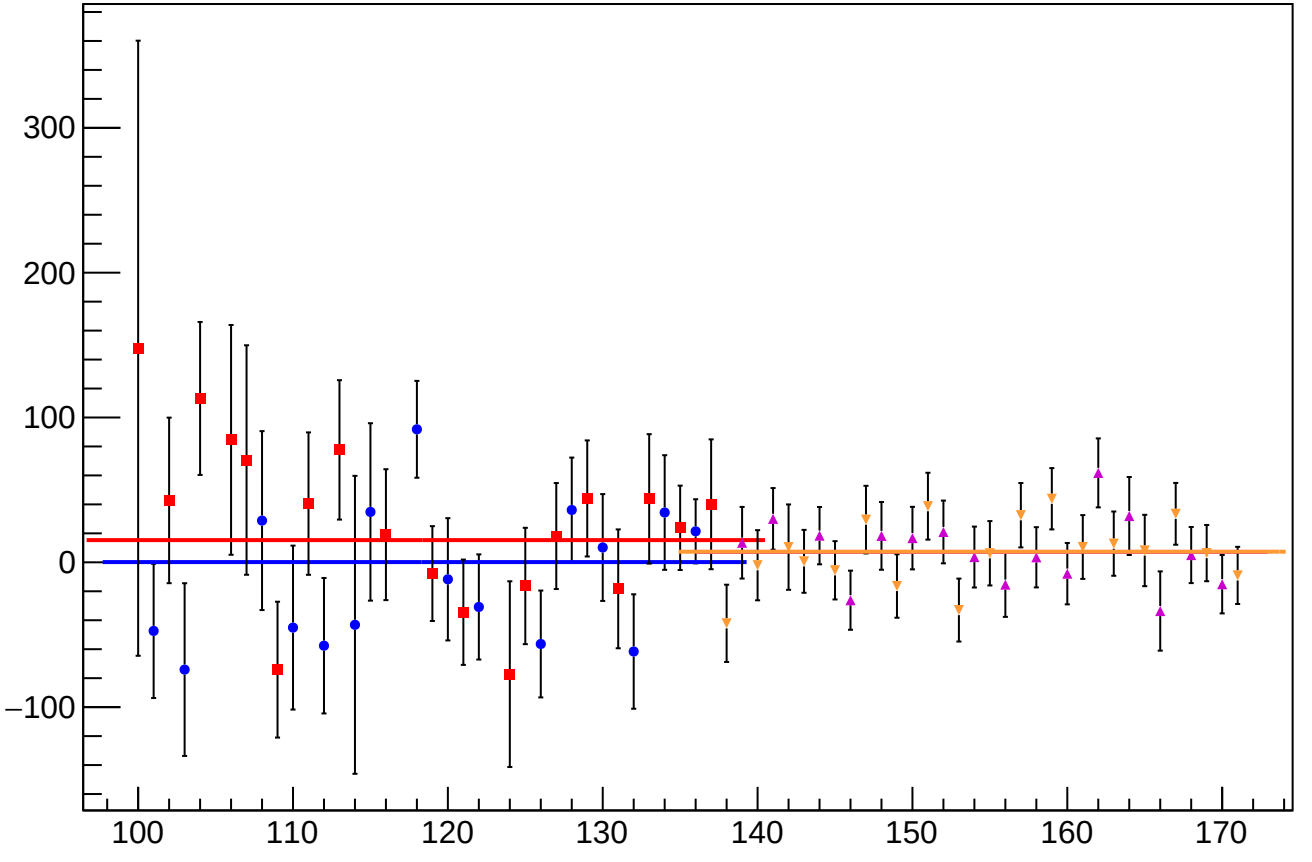
All: 51.249+/-0.006 χ^2/NDF: 2646331.9/68

- sign 50.374+/-0.008 χ^2/NDF: 1352798.5/34


asym_sam_2468_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
170
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:10.2/17
Right Out: -0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/15
+ sign 0.000+/-0.000 χ²/NDF: 21.7/33
All: 0.000+/-0.000 χ²/NDF: 47.1/68
- sign -0.000+/-0.000 χ²/NDF: 23.7/34


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2232836.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:1871722.8/15
+ sign 0.000+/-0.000 χ²/NDF: 6716566.9/33
All: 0.000+/-0.000 χ²/NDF: 13898671.5/68
- sign 0.000+/-0.000 χ²/NDF: 7025827.5/34

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: 15.333+/-10.267 χ^2/NDF: 17.9/18

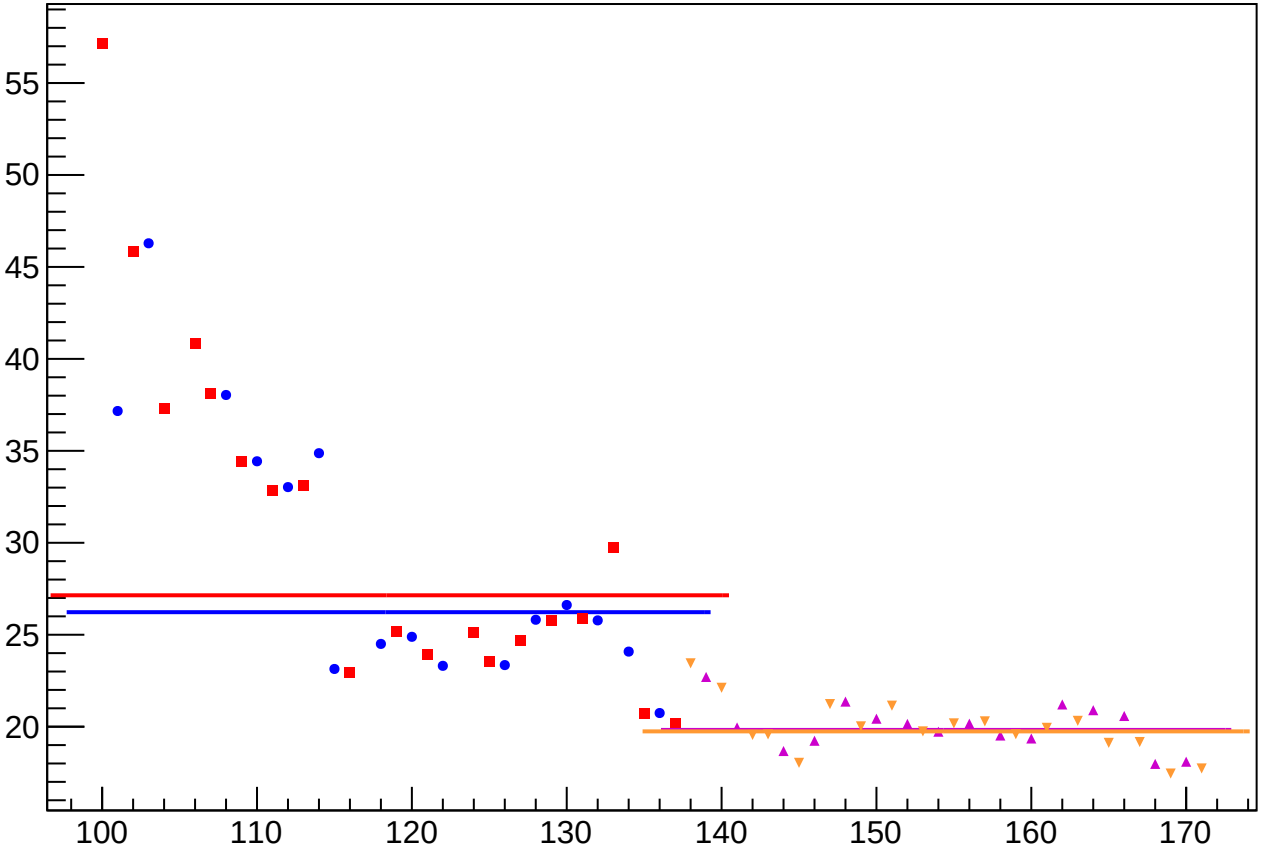
Left In: 7.154+/-5.478 χ^2/NDF:16.2/15

+ sign 5.786+/-4.657 χ^2/NDF: 39.7/33

All: 7.317+/-3.354 χ^2/NDF: 74.6/68

- sign 8.966+/-4.833 χ^2/NDF: 34.6/34

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

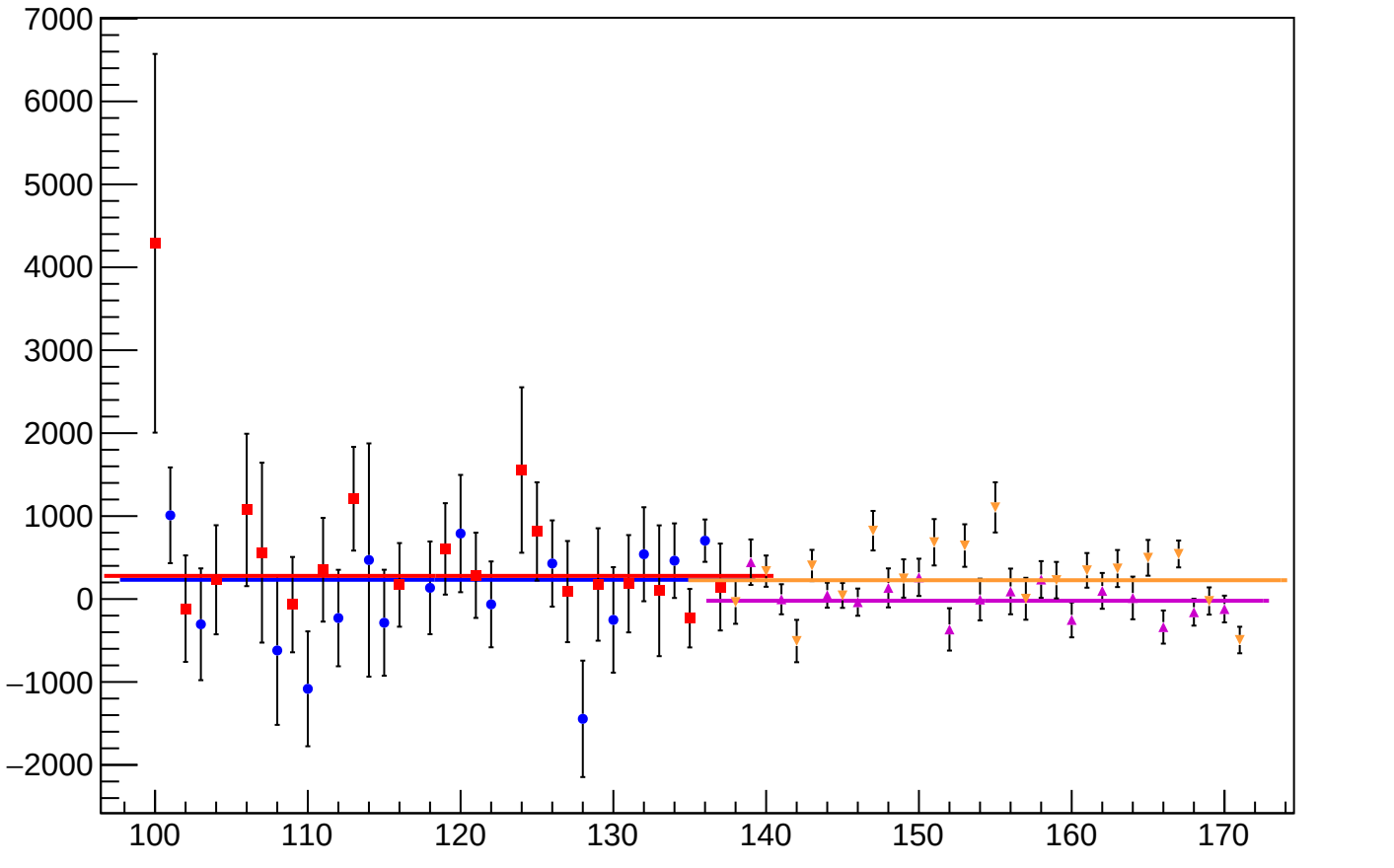
Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

+ sign 21.138+/-0.003 χ^2/NDF: 1472510.1/33

All: 21.287+/-0.002 χ^2/NDF: 3116368.0/68

- sign 21.446+/-0.003 χ^2/NDF: 1639634.9/34



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 226.852+/-48.723 χ^2/NDF:61.6/17

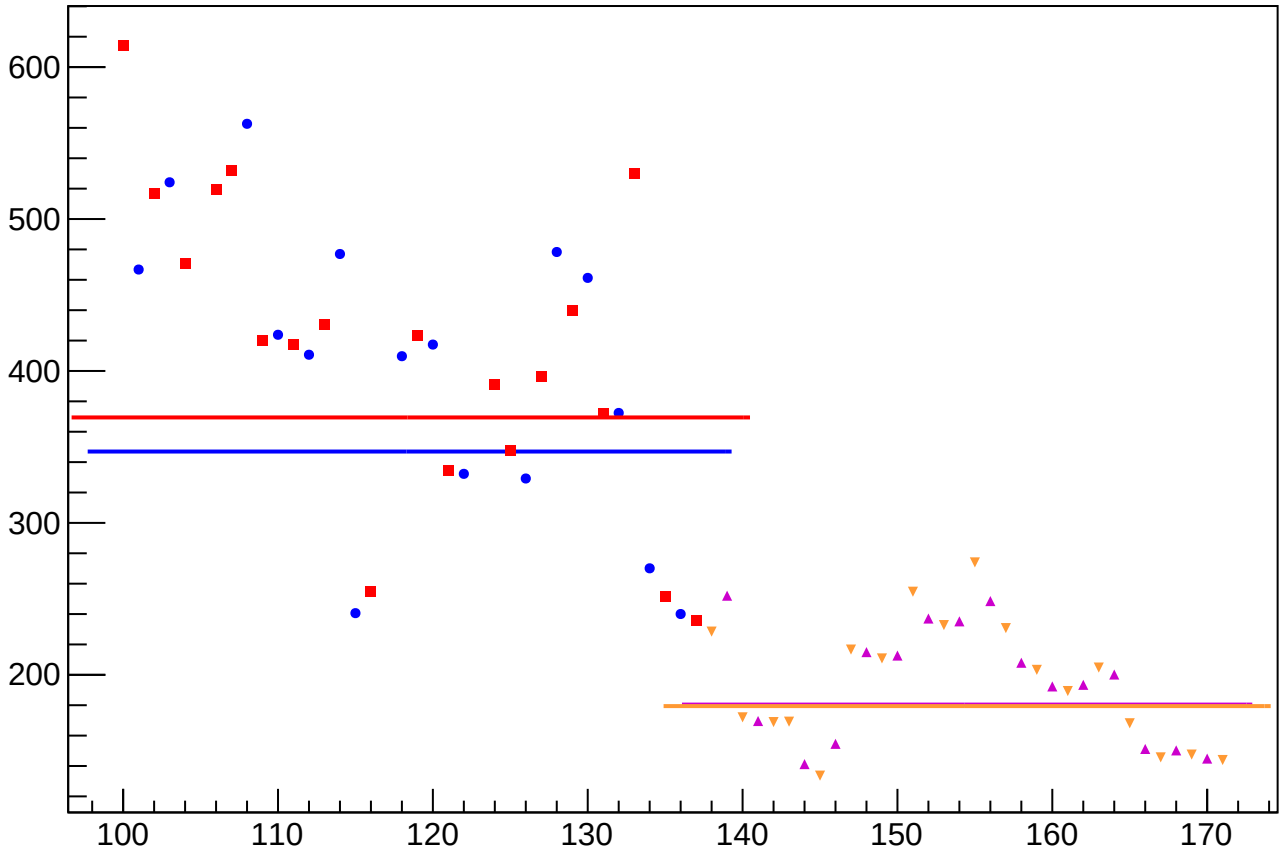
Right Out: 279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -21.099+/-50.756 χ^2/NDF:13.6/15

+ sign 227.457+/-45.825 χ^2/NDF: 81.2/33

All: 124.938+/-33.051 χ^2/NDF: 121.4/68

- sign 13.784+/-47.716 χ^2/NDF: 29.7/34



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 179.418+/-0.034 χ^2/NDF:1184360.7/17

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

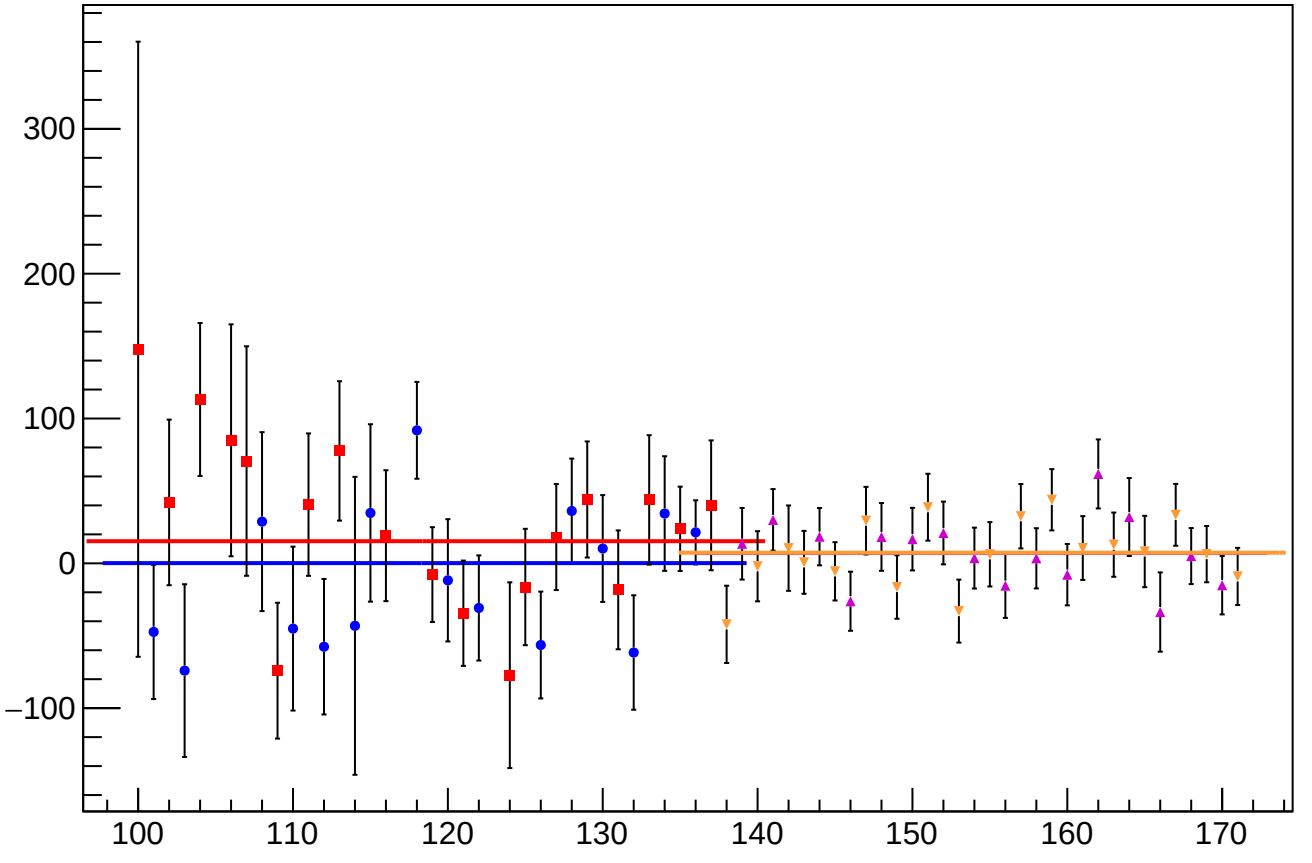
Left In: 180.411+/-0.036 χ^2/NDF:993836.6/15

+ sign 198.760+/-0.032 χ^2/NDF: 4972721.9/33

All: 200.496+/-0.023 χ^2/NDF: 10114328.7/68

- sign 202.377+/-0.034 χ^2/NDF: 5135629.1/34

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

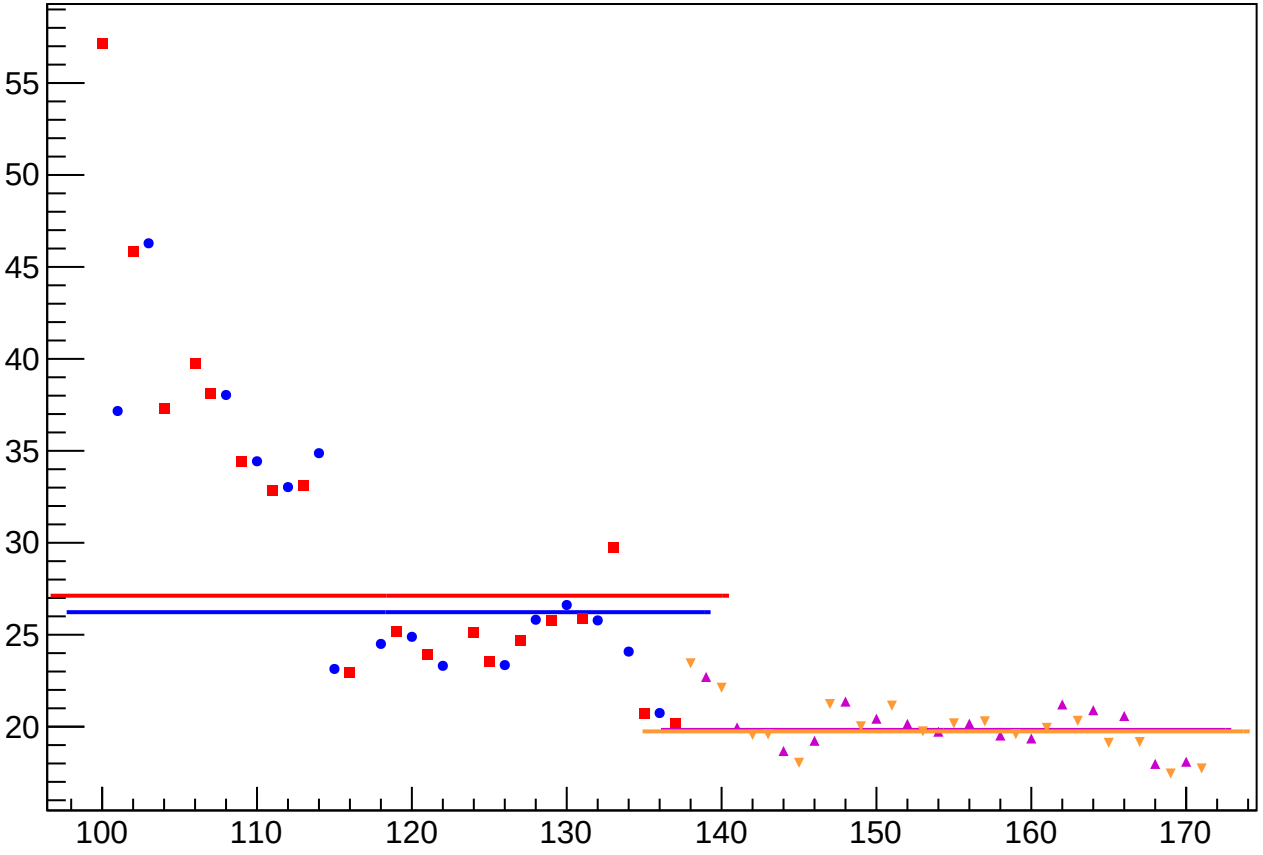
Left In: 7.154+/-5.478 χ^2/NDF:16.2/15

+ sign 5.786+/-4.657 χ^2/NDF: 39.7/33

All: 7.313+/-3.354 χ^2/NDF: 74.6/68

- sign 8.957+/-4.833 χ^2/NDF: 34.6/34

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

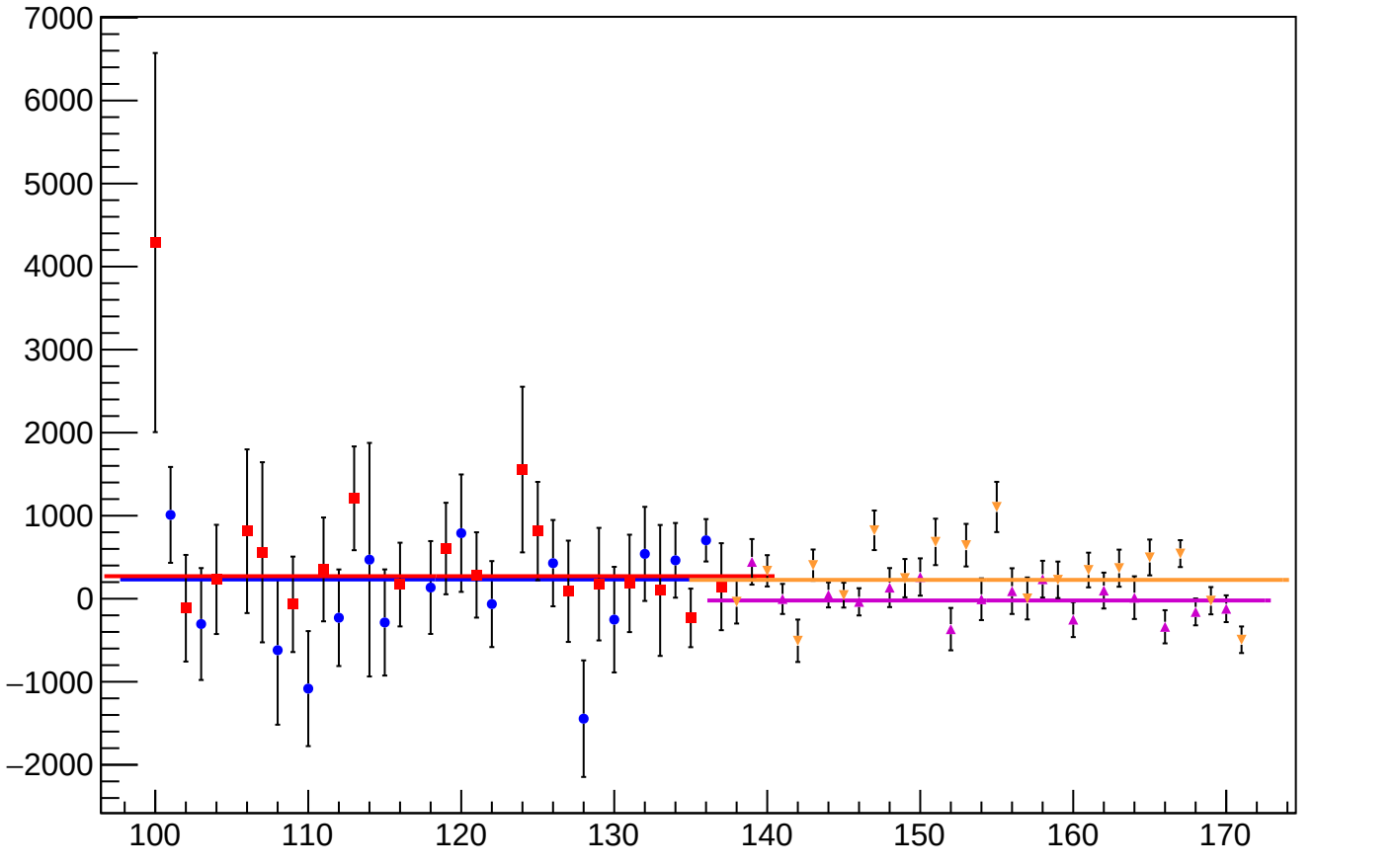
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

+ sign 21.138+/-0.003 χ^2/NDF: 1472513.4/33

All: 21.284+/-0.002 χ^2/NDF: 3101548.2/68

- sign 21.441+/-0.003 χ^2/NDF: 1624955.1/34



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 226.851+/-48.723 χ^2/NDF:61.6/17

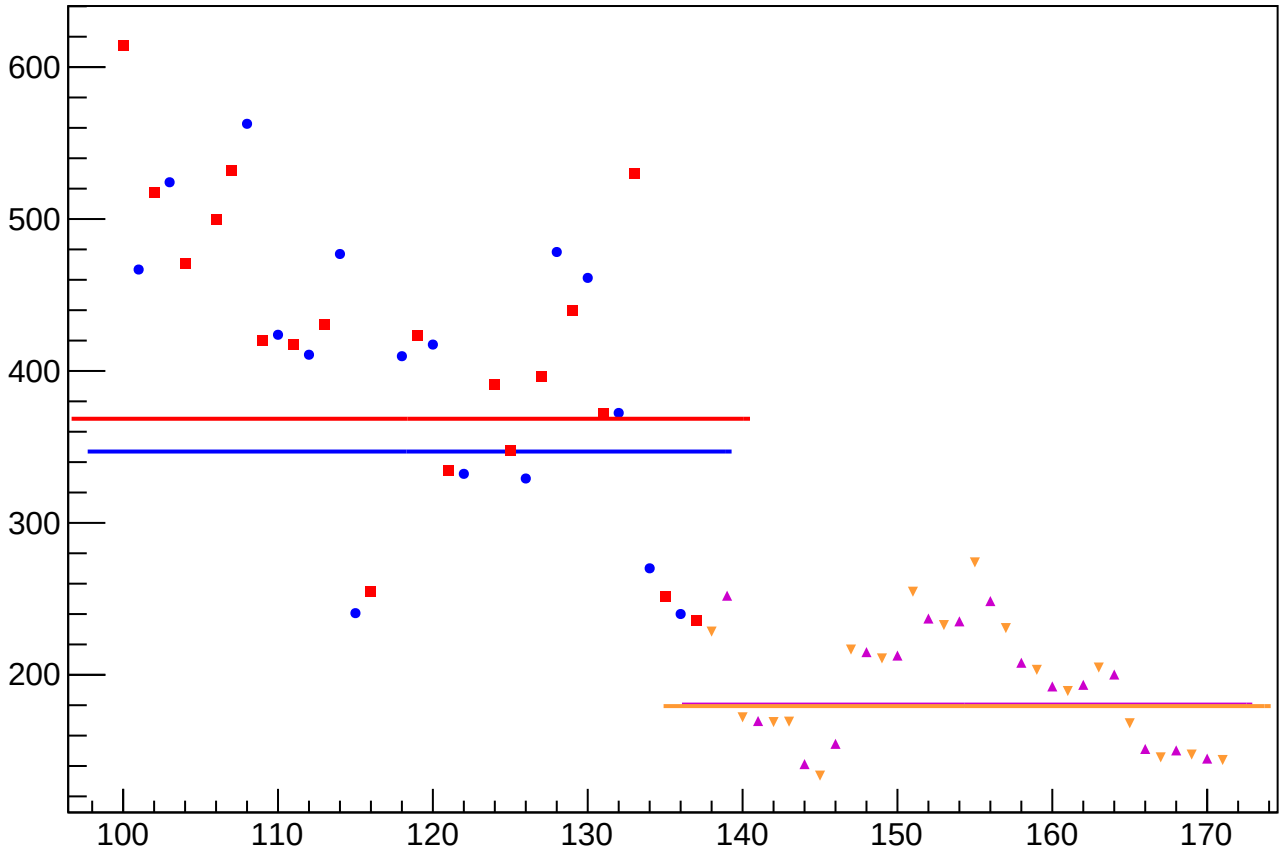
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -21.098+/-50.756 χ^2/NDF:13.6/15

\+ sign 227.455+/-45.825 χ^2/NDF: 81.2/33

All: 124.487+/-33.054 χ^2/NDF: 120.8/68

\- sign 12.805+/-47.725 χ^2/NDF: 29.1/34



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 179.418+/-0.034 χ^2/NDF:1184363.2/17

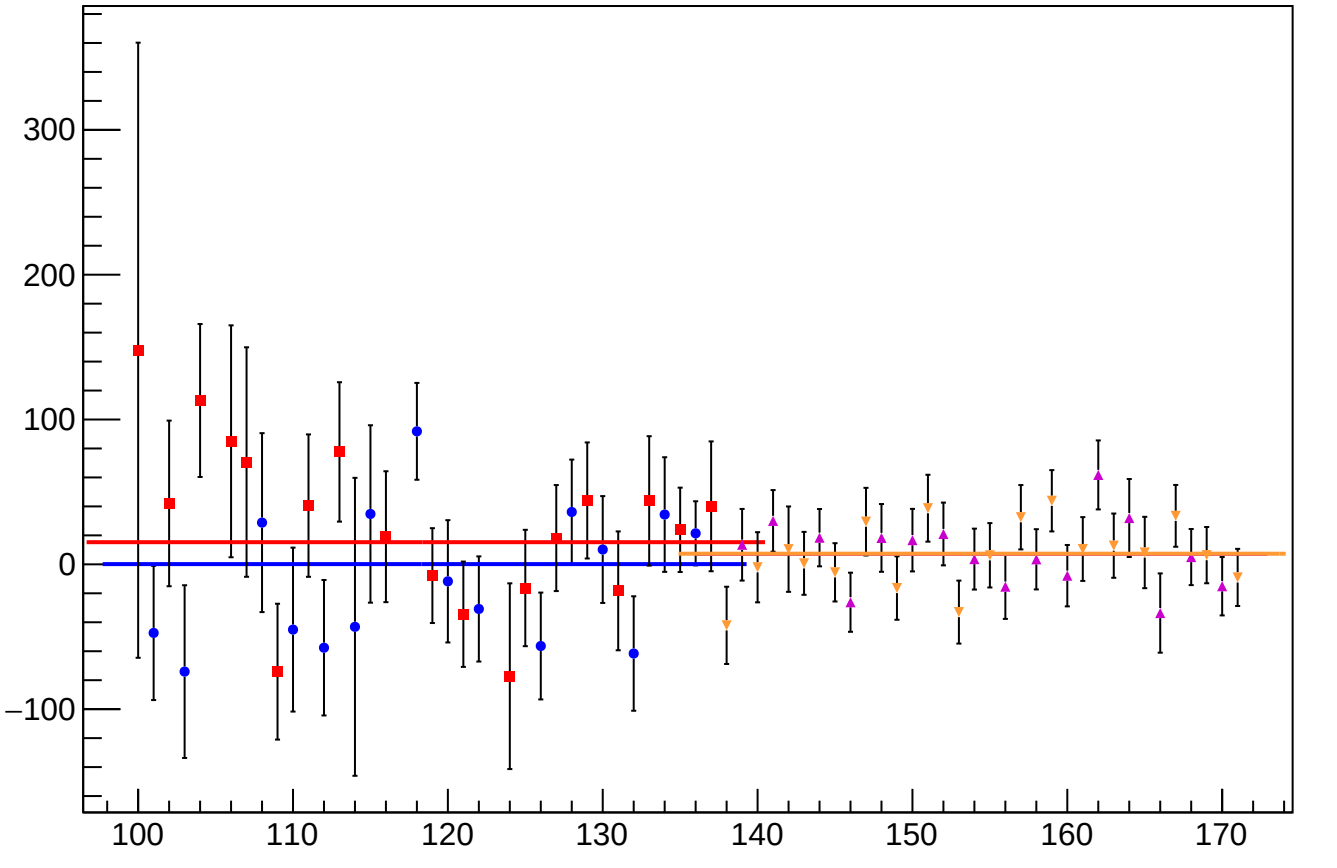
Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 180.412+/-0.036 χ^2/NDF:993832.9/15

+ sign 198.760+/-0.032 χ^2/NDF: 4972752.3/33

All: 200.418+/-0.023 χ^2/NDF: 10056940.9/68

- sign 202.217+/-0.034 χ^2/NDF: 5078730.4/34



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: 15.292+/-10.269 χ^2/NDF: 17.9/18

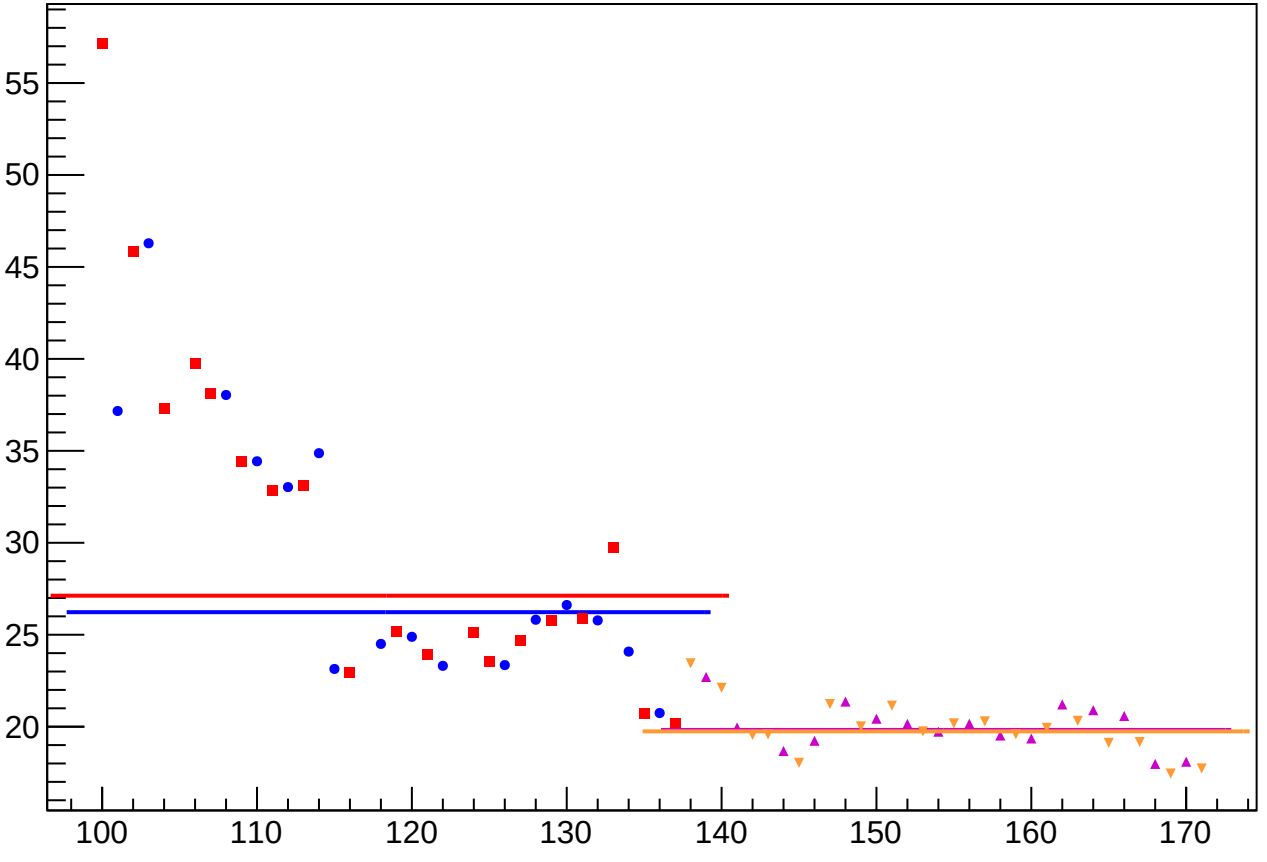
Left In: 7.154+/-5.478 χ^2/NDF:16.2/15

+ sign 5.786+/-4.657 χ^2/NDF: 39.7/33

All: 7.313+/-3.354 χ^2/NDF: 74.6/68

- sign 8.957+/-4.833 χ^2/NDF: 34.6/34

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

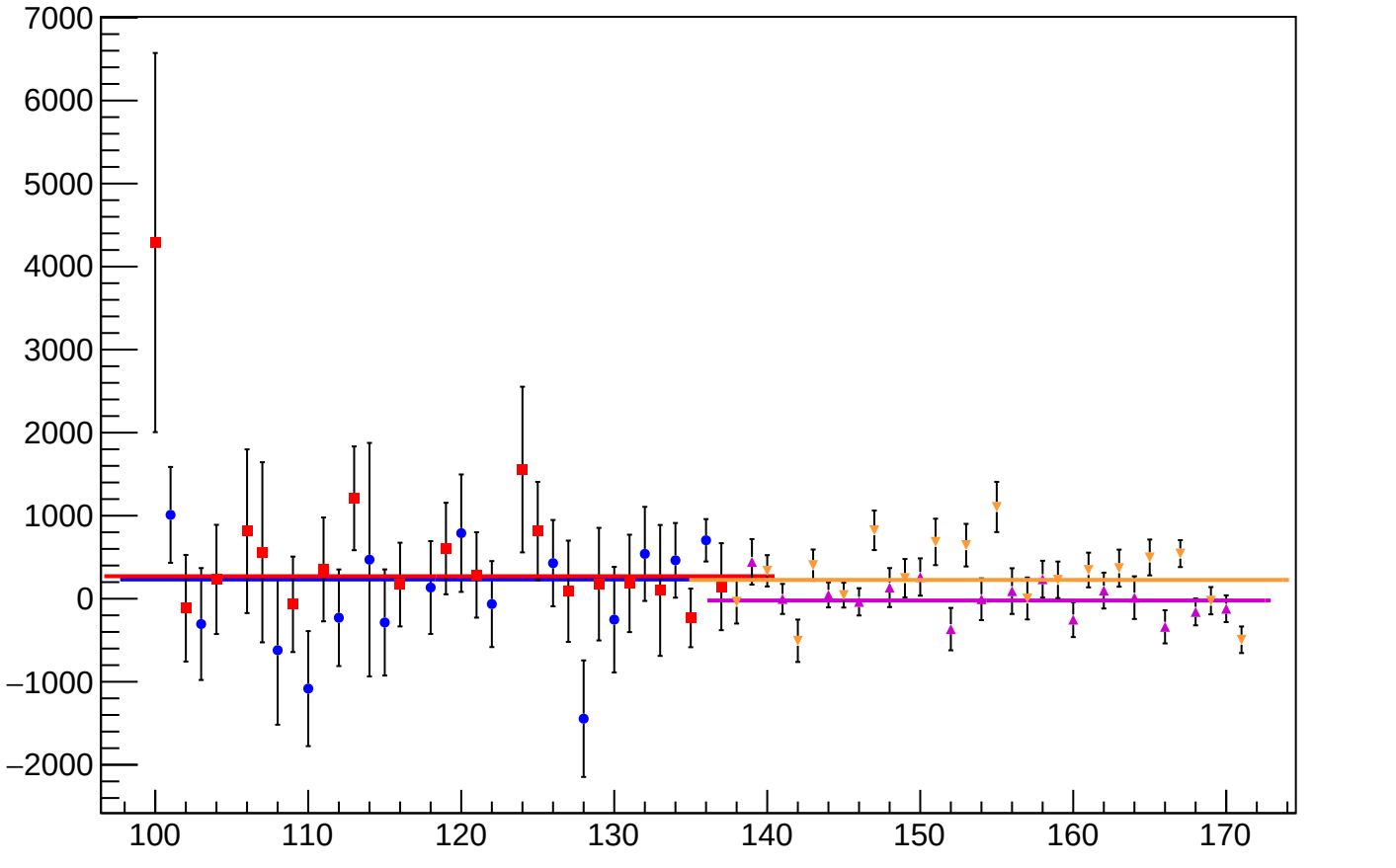
Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.824+/-0.004 χ^2/NDF:92594.3/15

+ sign 21.138+/-0.003 χ^2/NDF: 1472513.4/33

All: 21.284+/-0.002 χ^2/NDF: 3101548.2/68

- sign 21.441+/-0.003 χ^2/NDF: 1624955.1/34



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 226.851+/-48.723 χ^2/NDF:61.6/17

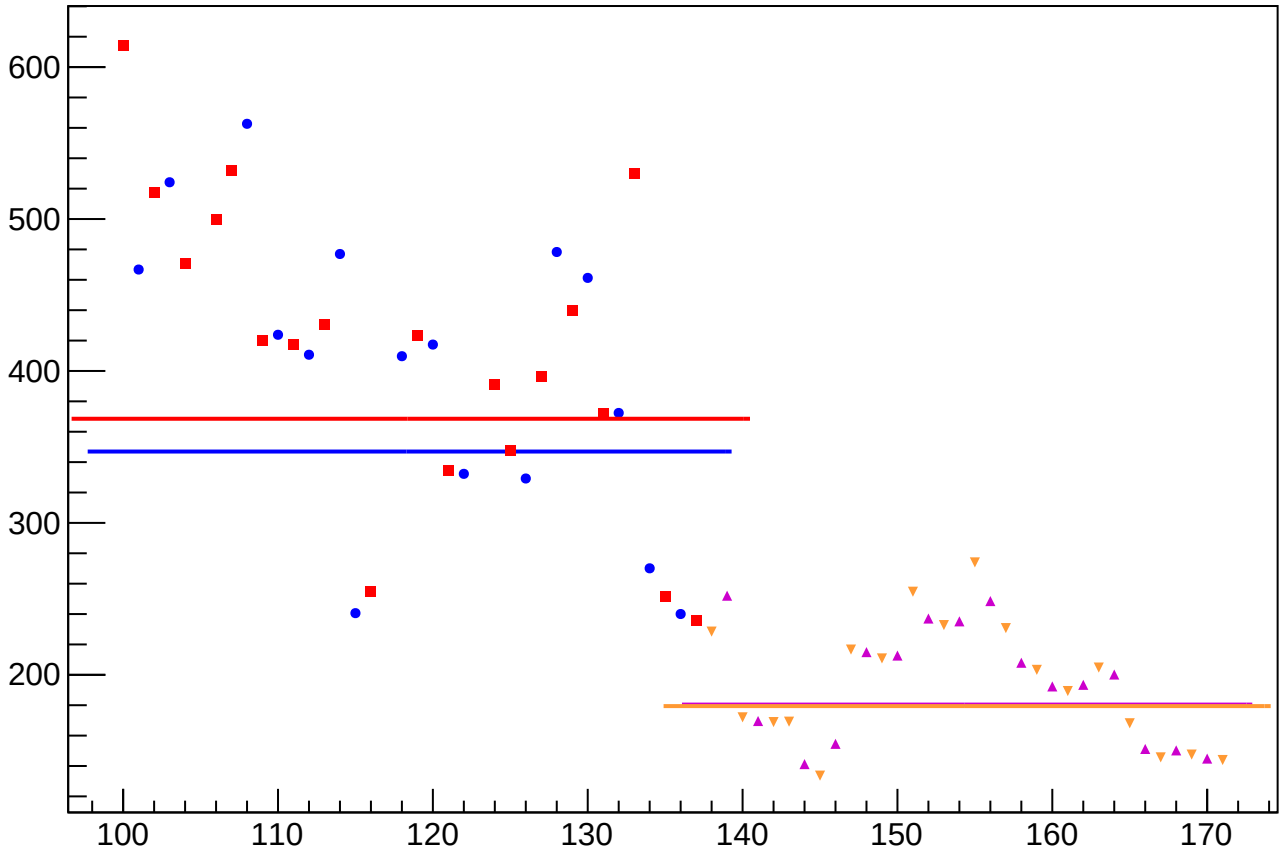
Right Out: 271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -21.098+/-50.756 χ^2/NDF:13.6/15

\+ sign 227.455+/-45.825 χ^2/NDF: 81.2/33

All: 124.487+/-33.054 χ^2/NDF: 120.8/68

\- sign 12.805+/-47.725 χ^2/NDF: 29.1/34



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 179.418+/-0.034 χ^2/NDF:1184363.2/17

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

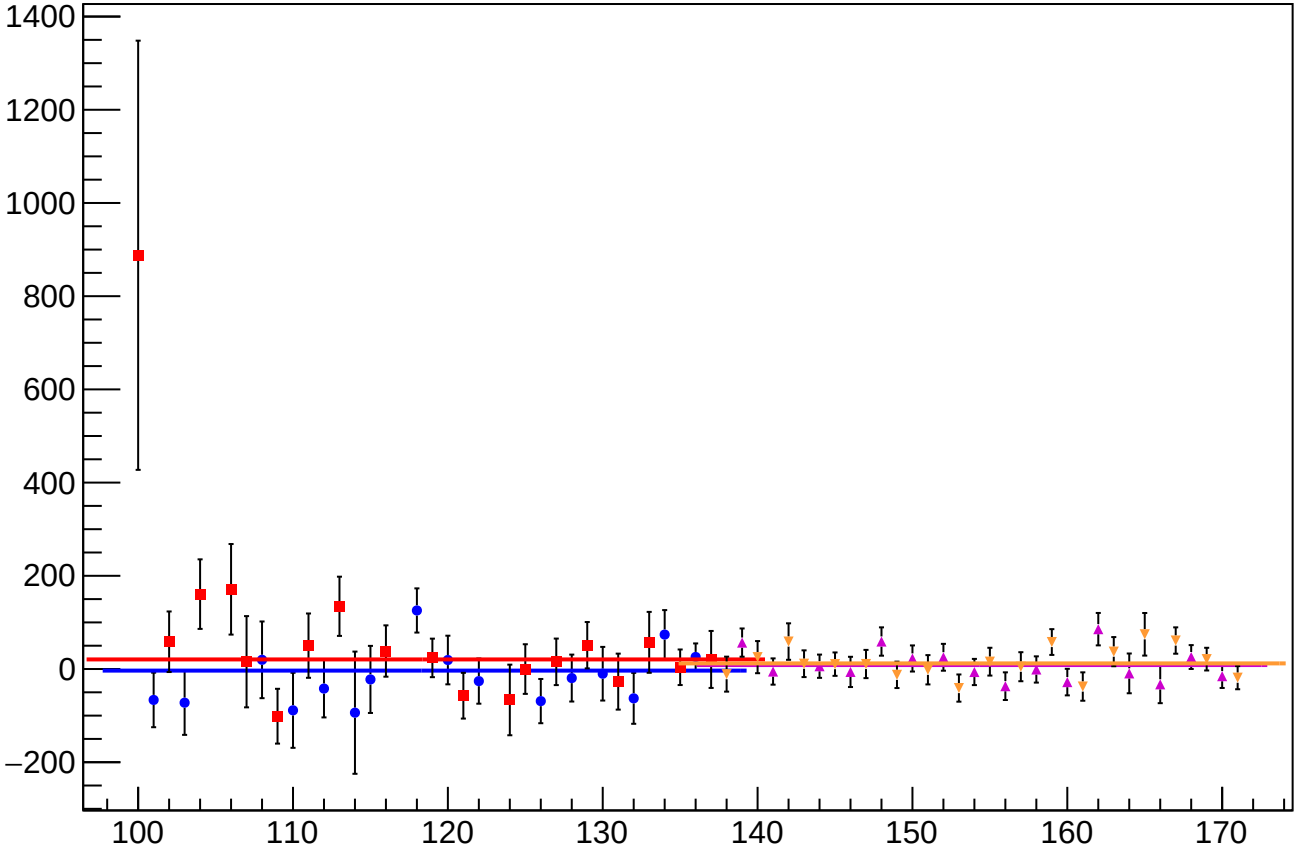
Left In: 180.412+/-0.036 χ^2/NDF:993832.9/15

+ sign 198.760+/-0.032 χ^2/NDF: 4972752.3/33

All: 200.418+/-0.023 χ^2/NDF: 10056940.9/68

- sign 202.217+/-0.034 χ^2/NDF: 5078730.4/34

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 12.048+/-7.048 χ^2/NDF:18.9/17

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

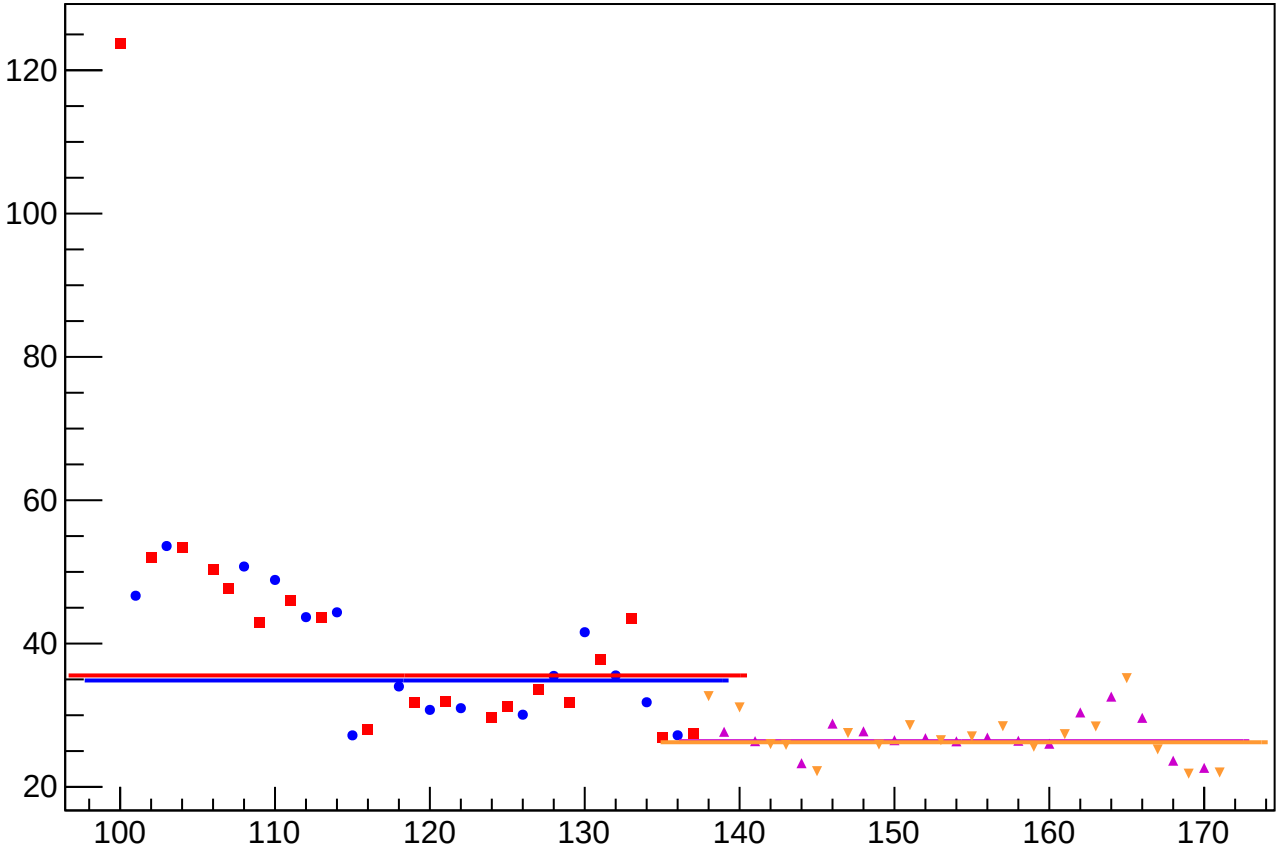
Left In: 8.499+/-7.367 χ^2/NDF:18.2/15

+ sign 8.693+/-6.237 χ^2/NDF: 38.4/33

All: 9.939+/-4.488 χ^2/NDF: 80.4/68

- sign 11.277+/-6.464 χ^2/NDF: 41.9/34

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.230+/-0.005 χ^2/NDF:393476.5/17

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

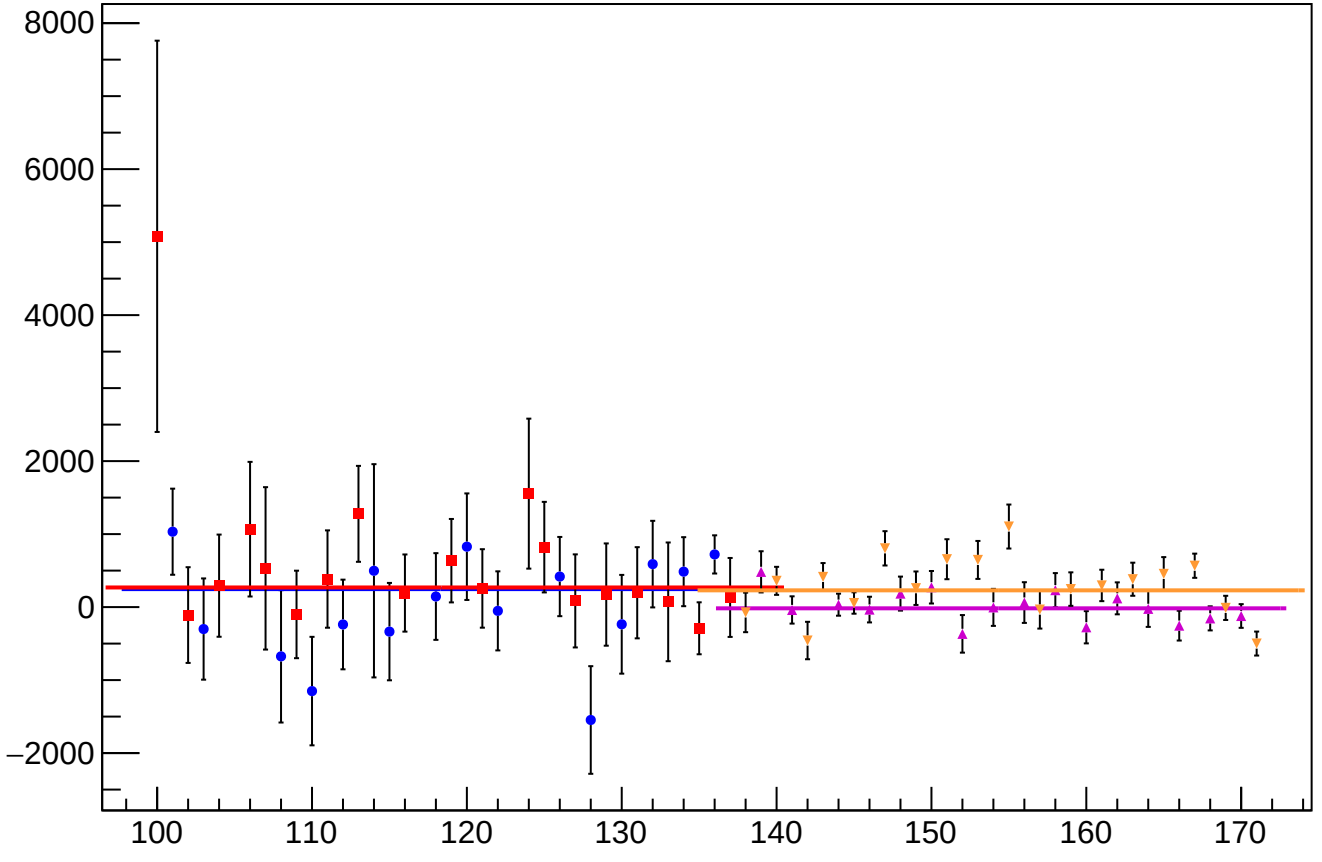
Left In: 26.380+/-0.005 χ^2/NDF:198685.4/15

+ sign 28.099+/-0.004 χ^2/NDF: 1700555.8/33

All: 28.288+/-0.003 χ^2/NDF: 3396429.8/68

- sign 28.491+/-0.005 χ^2/NDF: 1692070.4/34

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 229.537+/-49.368 χ^2/NDF:59.1/17

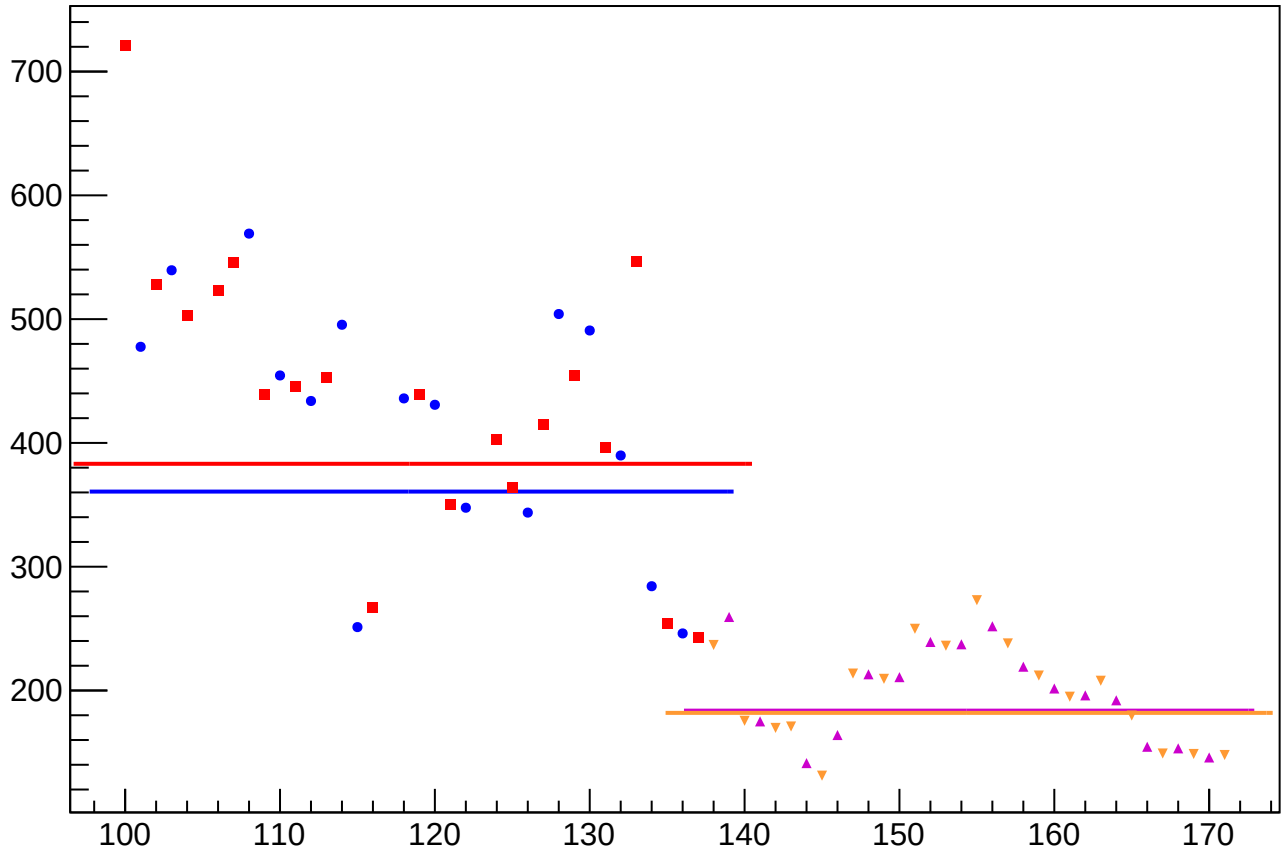
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -16.822+/-51.700 χ^2/NDF:13.0/15

+ sign 231.407+/-46.568 χ^2/NDF: 78.9/33

All: 128.201+/-33.660 χ^2/NDF: 118.3/68

- sign 15.290+/-48.709 χ^2/NDF: 29.1/34



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 181.923+/-0.035 χ^2/NDF:1199396.2/17

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

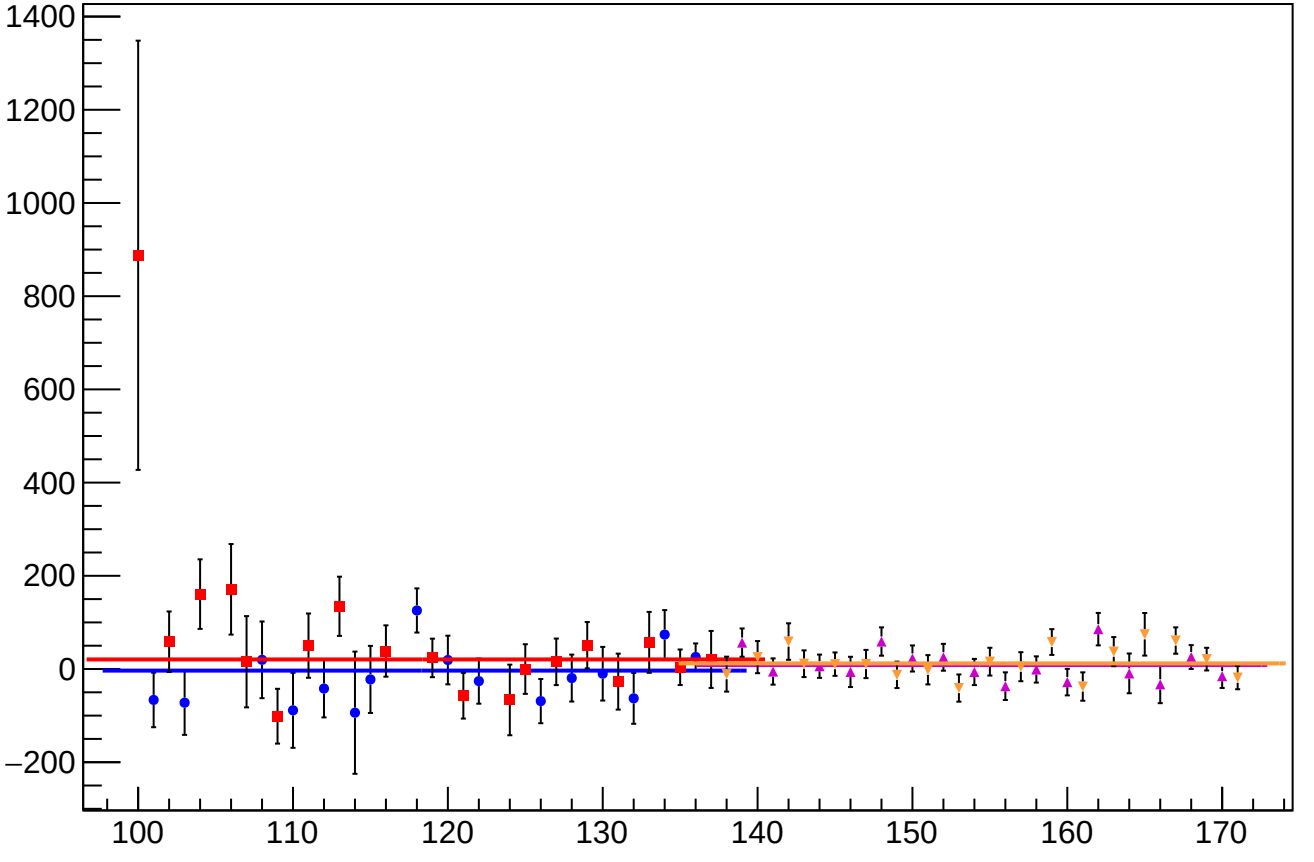
Left In: 183.728+/-0.037 χ^2/NDF:979121.3/15

+ sign 201.625+/-0.033 χ^2/NDF: 5182456.1/33

All: 203.781+/-0.024 χ^2/NDF: 10477283.6/68

- sign 206.138+/-0.034 χ^2/NDF: 5285857.8/34

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 12.048+/-7.048 χ^2/NDF:18.9/17

Right Out: 20.569+/-13.475 χ^2/NDF: 23.1/18

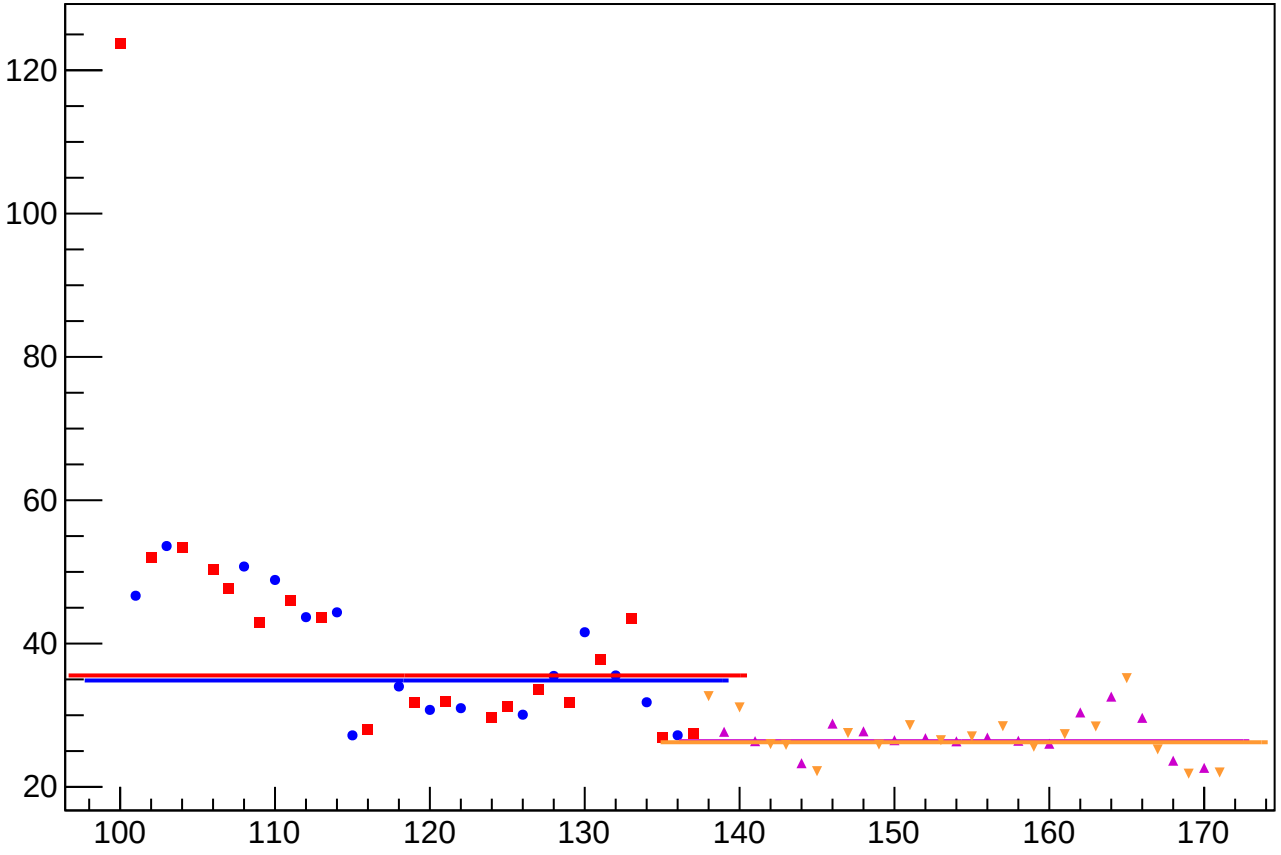
Left In: 8.499+/-7.367 χ^2/NDF:18.2/15

+ sign 8.692+/-6.237 χ^2/NDF: 38.4/33

All: 9.938+/-4.488 χ^2/NDF: 80.4/68

- sign 11.277+/-6.464 χ^2/NDF: 41.9/34

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.230+/-0.005 χ^2/NDF:393463.7/17

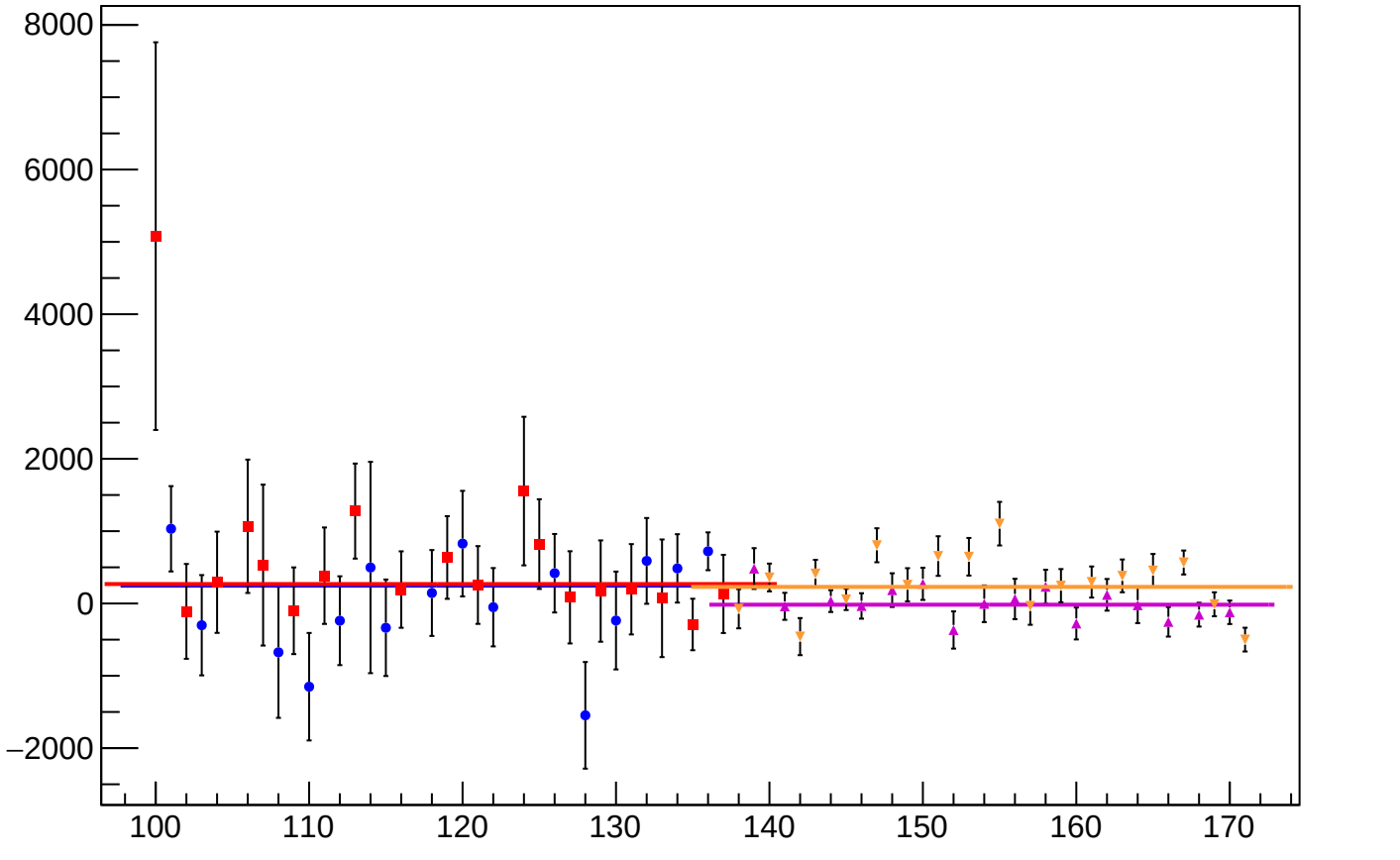
Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.380+/-0.005 χ^2/NDF:198683.4/15

+ sign 28.099+/-0.004 χ^2/NDF: 1700417.0/33

All: 28.288+/-0.003 χ^2/NDF: 3396198.0/68

- sign 28.491+/-0.005 χ^2/NDF: 1691977.6/34



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 229.536+/-49.368 χ^2/NDF:59.1/17

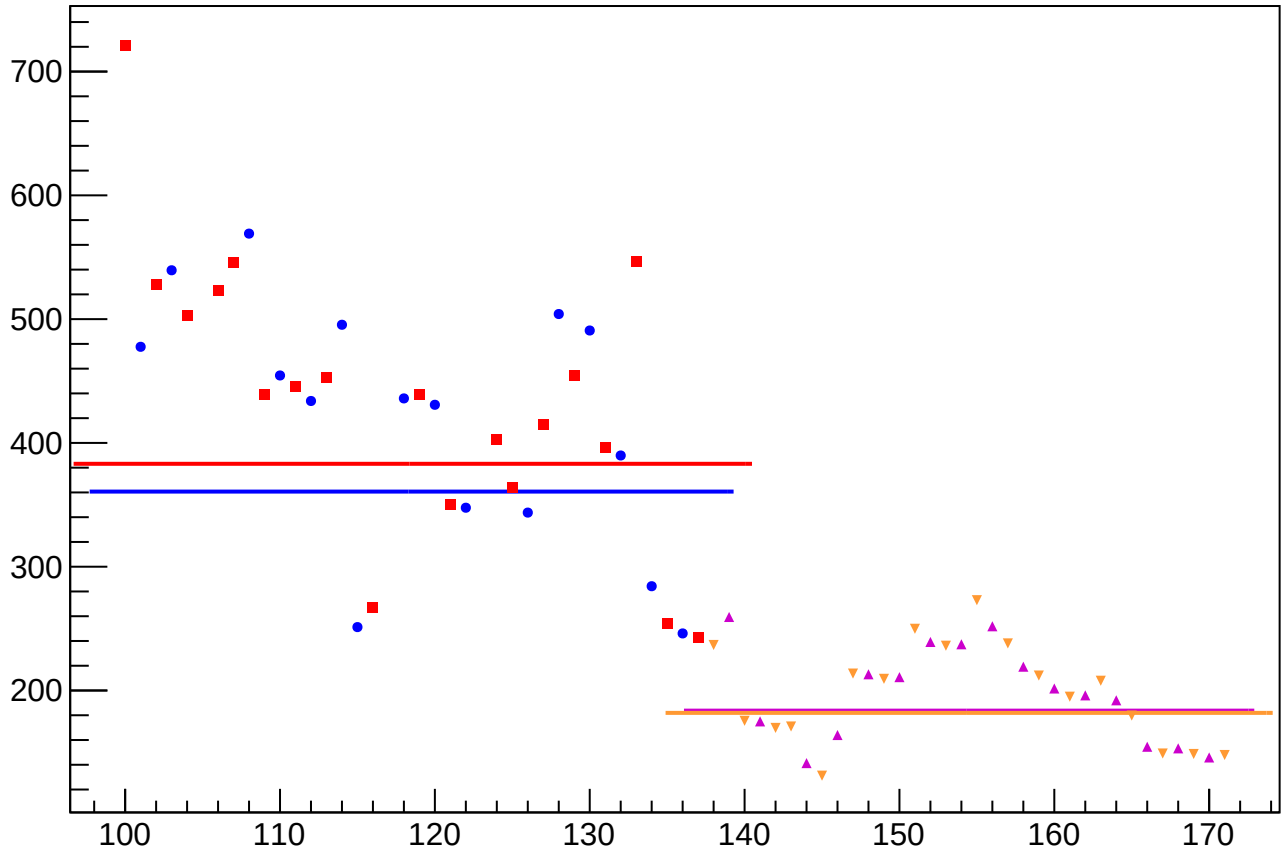
Right Out: 268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -16.823+/-51.700 χ^2/NDF:13.0/15

+ sign 231.406+/-46.568 χ^2/NDF: 78.9/33

All: 128.201+/-33.660 χ^2/NDF: 118.3/68

- sign 15.289+/-48.708 χ^2/NDF: 29.1/34



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 181.923+/-0.035 χ^2/NDF:1199424.2/17

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

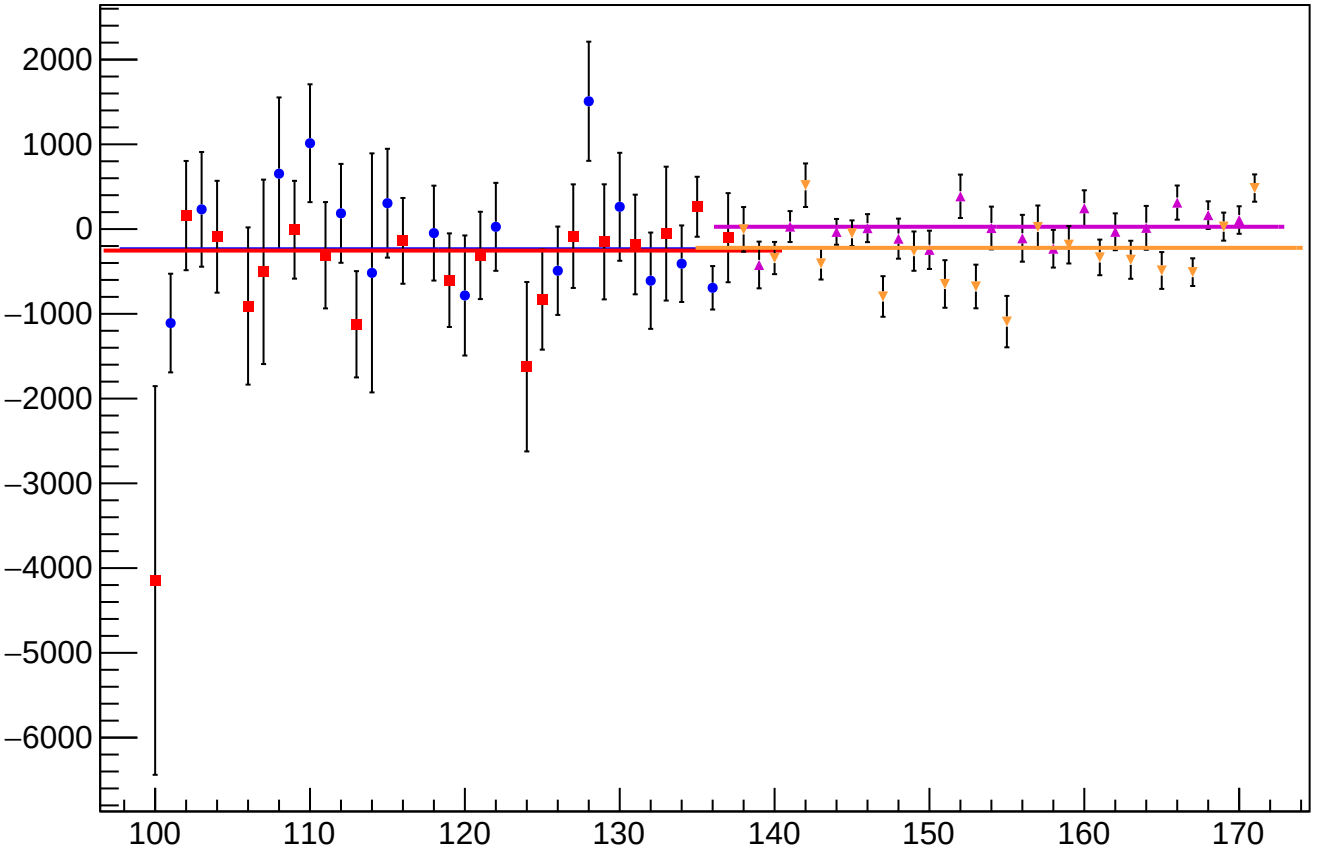
Left In: 183.728+/-0.037 χ^2/NDF:979139.0/15

+ sign 201.625+/-0.033 χ^2/NDF: 5182484.7/33

All: 203.780+/-0.024 χ^2/NDF: 10477334.5/68

- sign 206.138+/-0.034 χ^2/NDF: 5285880.0/34

asym_sam_1357_2468_dd_mean vs Slug



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -221.273+/-49.043 χ^2/NDF:58.7/17

Right Out: -253.445+/-140.414 χ^2/NDF: 11.7/18

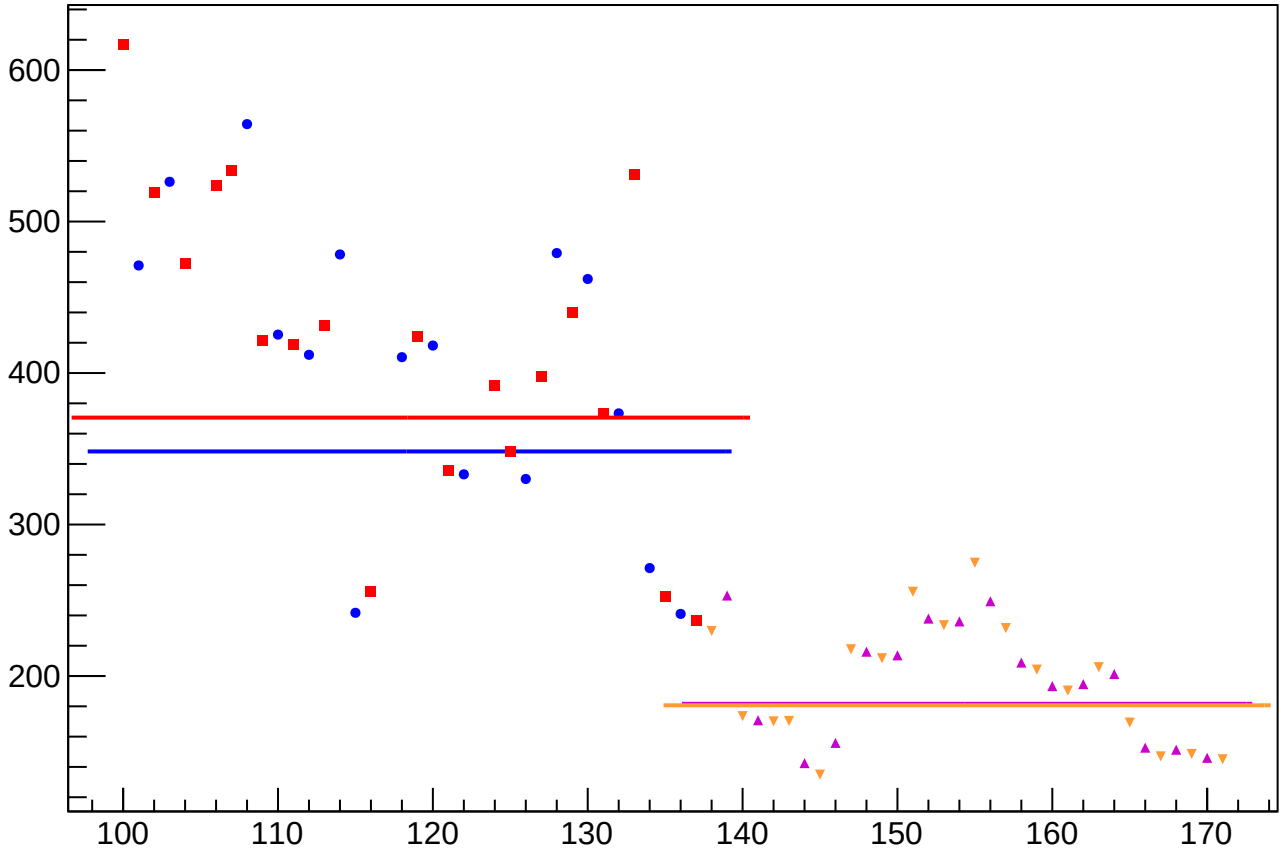
Left In: 27.243+/-51.091 χ^2/NDF:12.3/15

+ sign -223.219+/-46.109 χ^2/NDF: 78.7/33

All: -118.794+/-33.256 χ^2/NDF: 116.9/68

- sign -5.574+/-48.012 χ^2/NDF: 27.5/34

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 180.667+/-0.035 χ^2/NDF:1164781.9/17

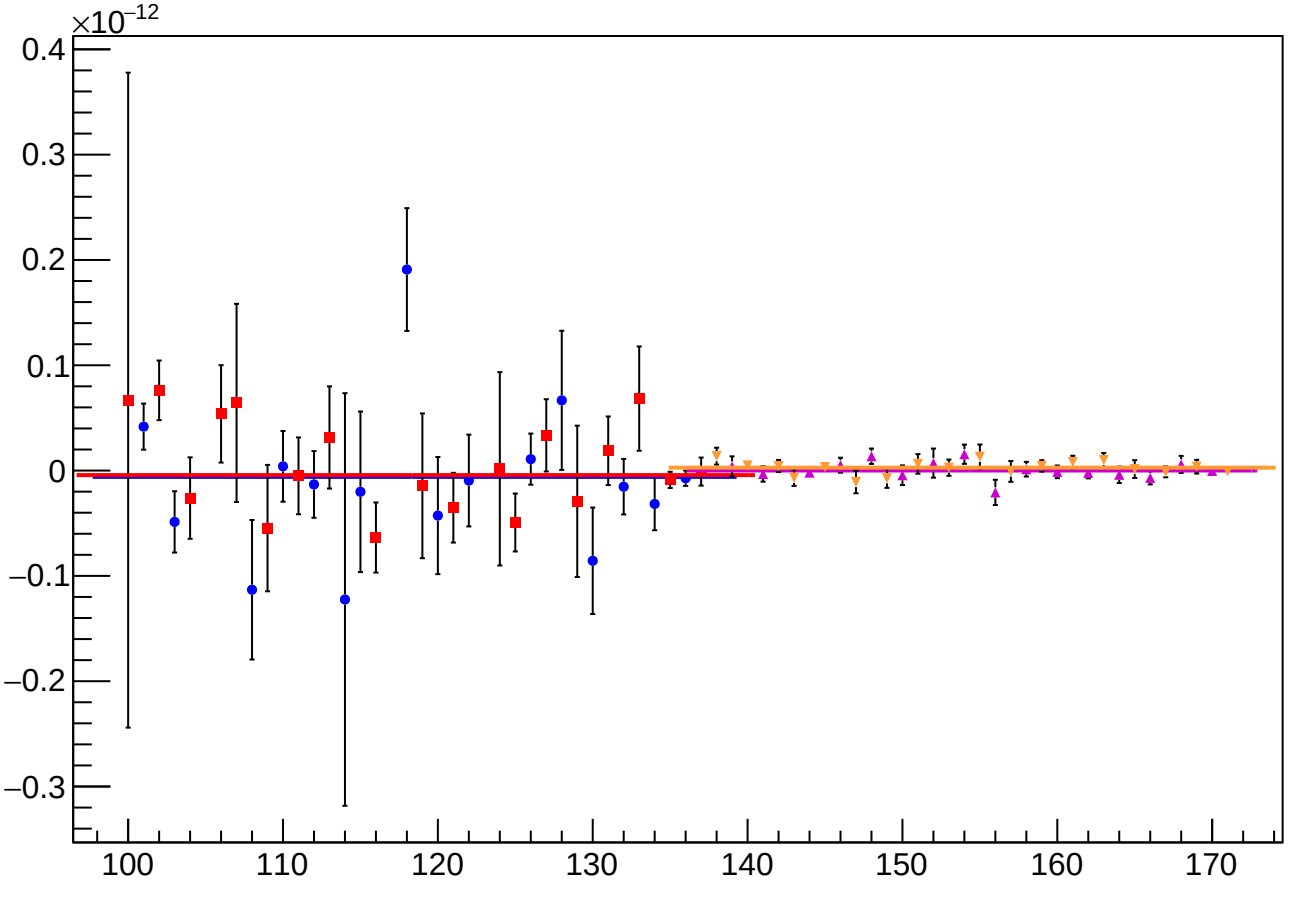
Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 181.674+/-0.036 χ^2/NDF:975647.9/15

+ sign 200.116+/-0.033 χ^2/NDF: 4931926.4/33

All: 201.865+/-0.024 χ^2/NDF: 10028375.4/68

- sign 203.761+/-0.034 χ^2/NDF: 5090452.4/34



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/17

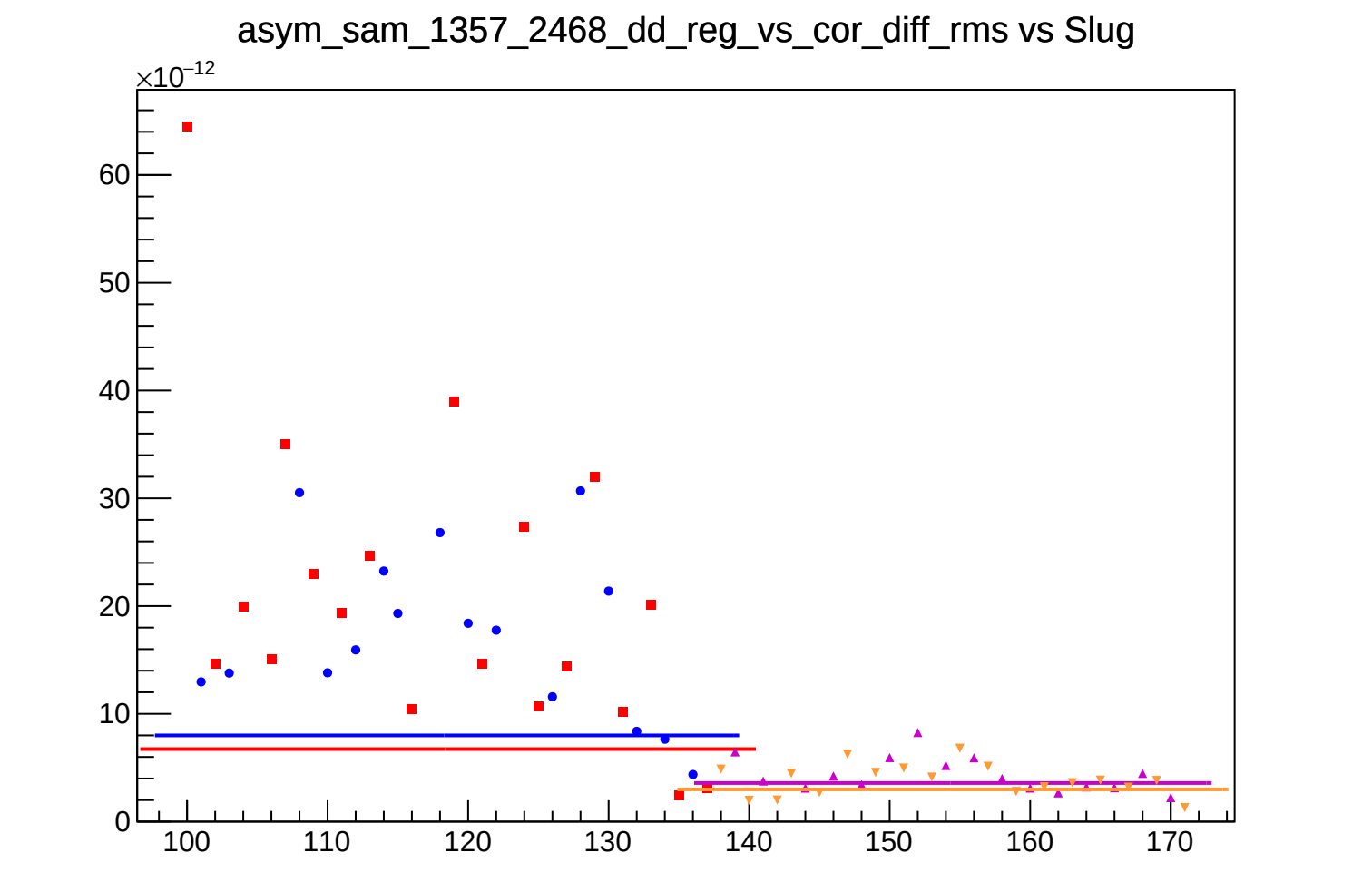
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/33

All: 0.000+/-0.000 χ^2/NDF: 78.7/68

- sign -0.000+/-0.000 χ^2/NDF: 36.7/34



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1618754.9/17

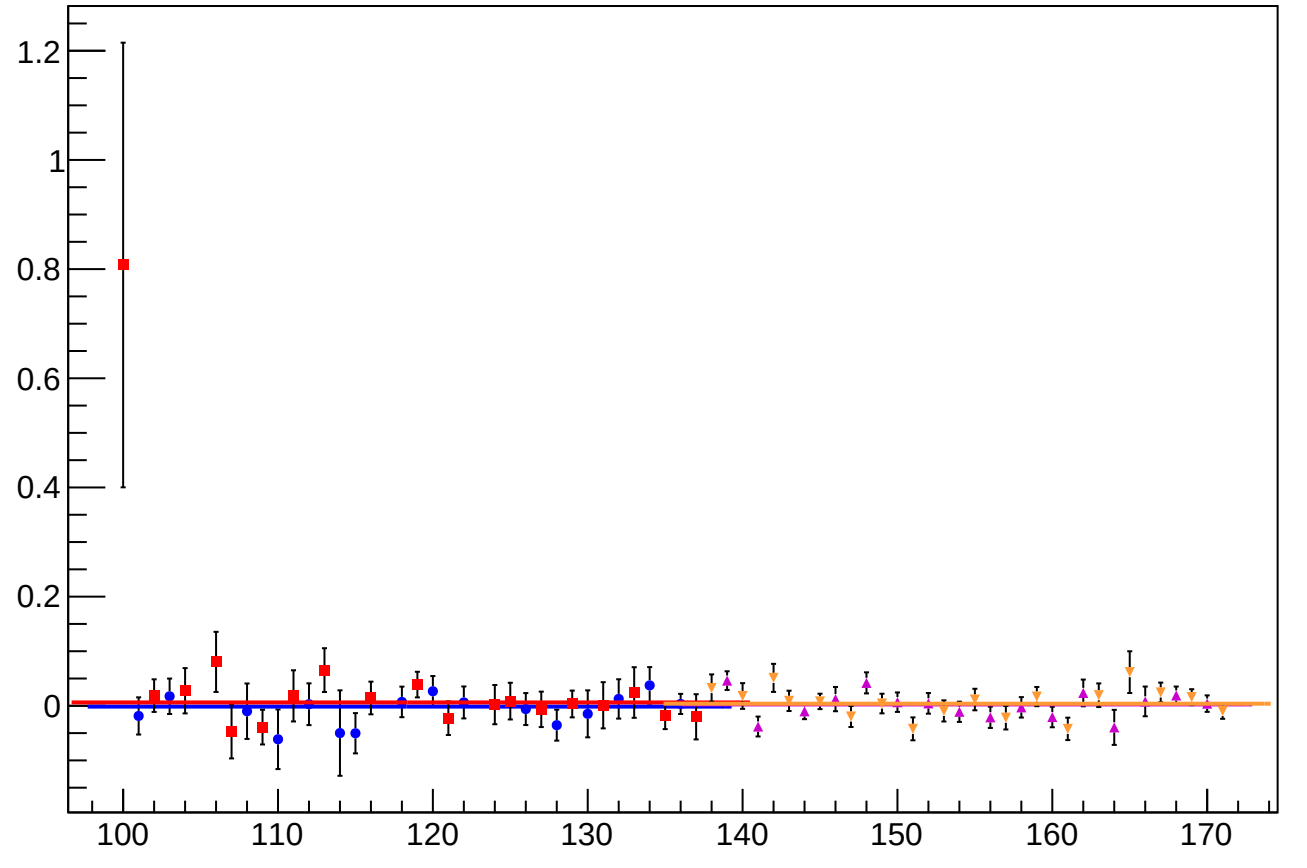
Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1029171.6/15

+ sign 0.000+/-0.000 χ^2/NDF: 5023736.5/33

All: 0.000+/-0.000 χ^2/NDF: 10153823.7/68

- sign 0.000+/-0.000 χ^2/NDF: 4994841.1/34



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

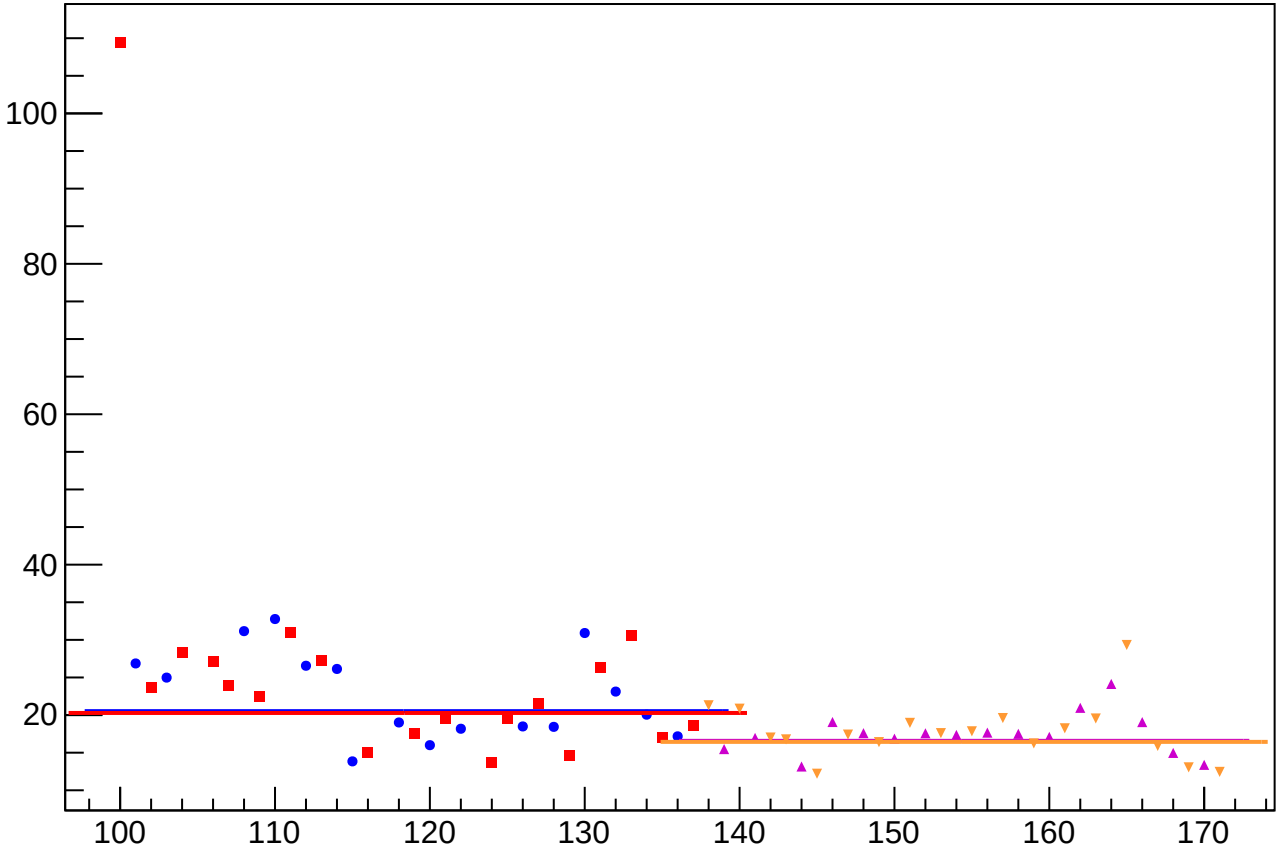
Left In: 0.003+/-0.005 χ^2/NDF:23.7/15

+ sign 0.003+/-0.004 χ^2/NDF: 33.4/33

All: 0.003+/-0.003 χ^2/NDF: 73.6/68

- sign 0.003+/-0.004 χ^2/NDF: 40.1/34

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: 16.437+/-0.003 χ^2/NDF:972095.7/17

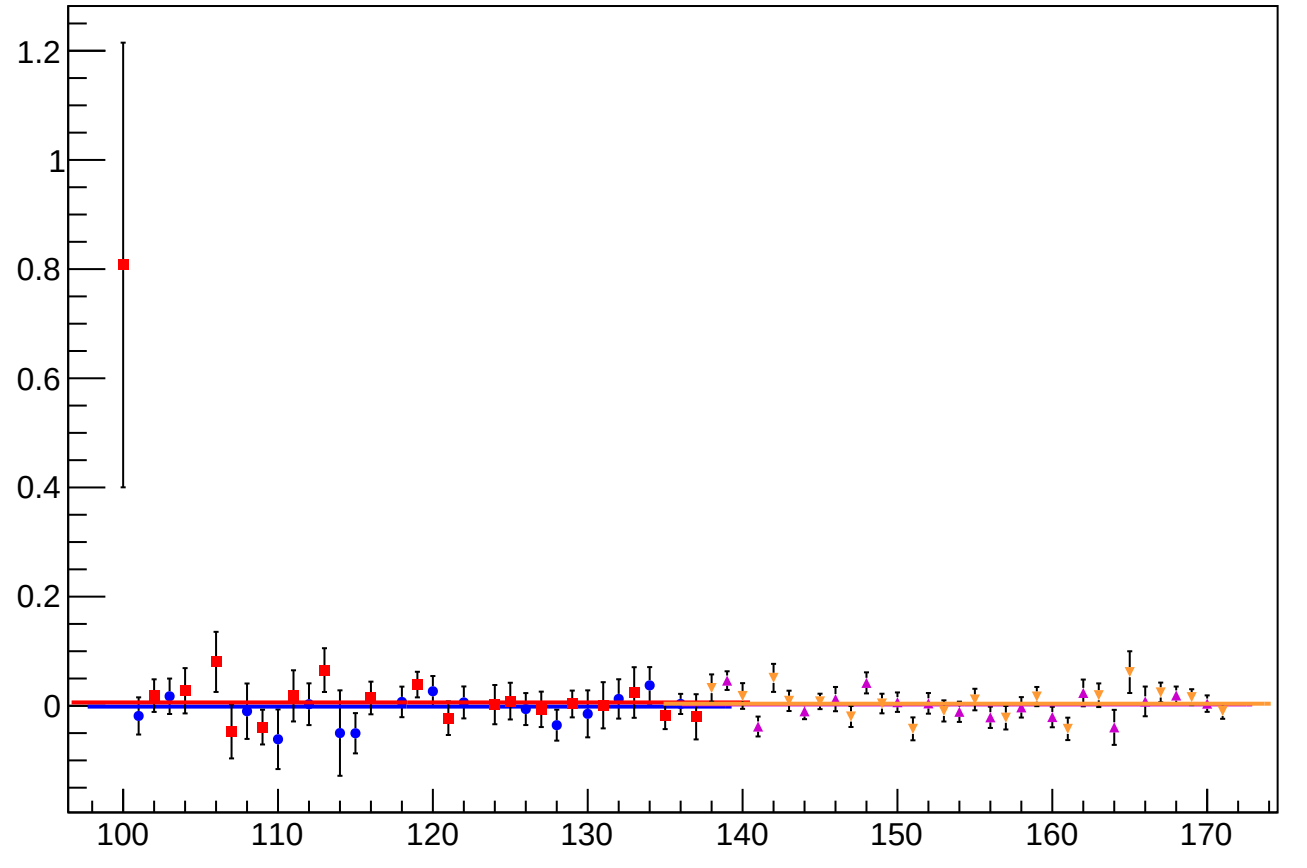
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.573+/-0.003 χ^2/NDF:475954.0/15

+ sign 17.407+/-0.003 χ^2/NDF: 2069783.8/33

All: 17.475+/-0.002 χ^2/NDF: 3737781.5/68

- sign 17.546+/-0.003 χ^2/NDF: 1666782.6/34



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

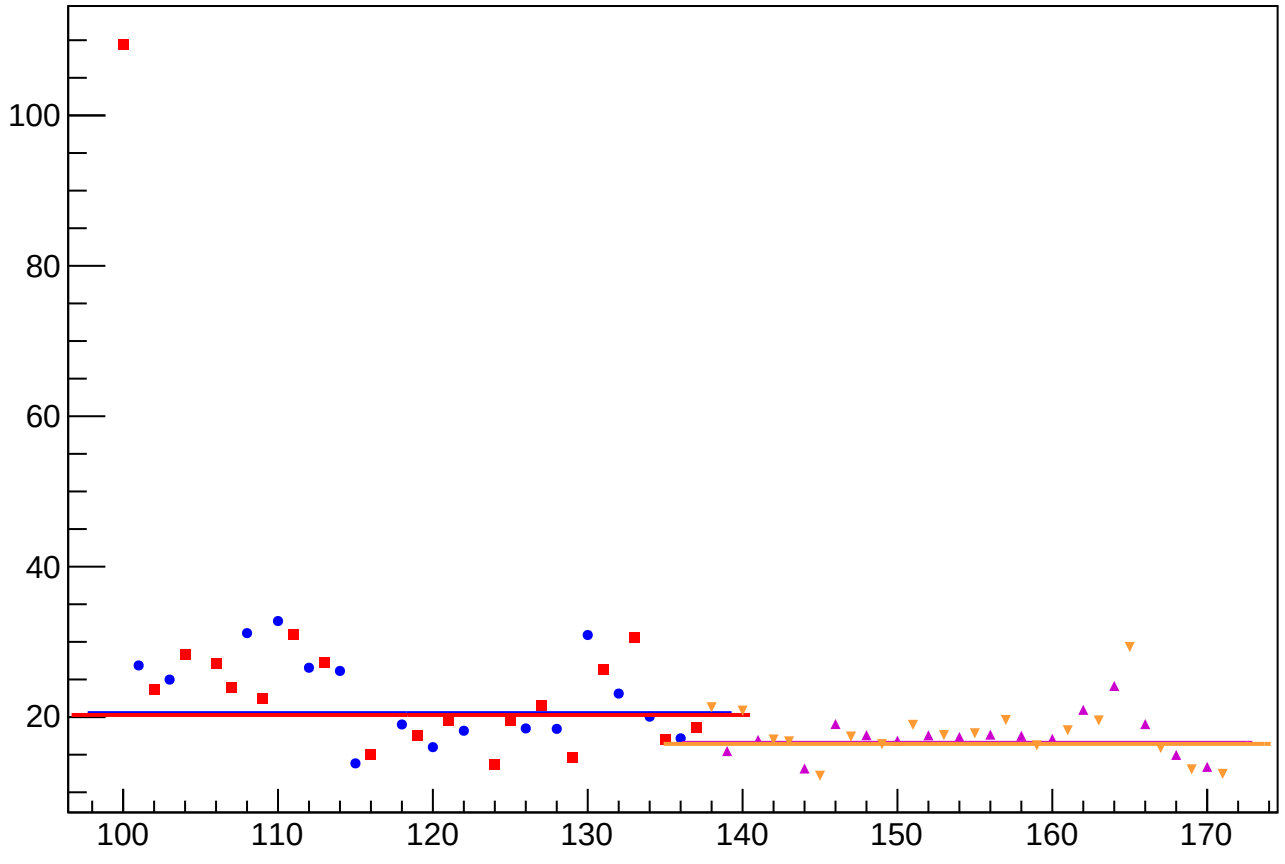
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.003+/-0.005 χ^2/NDF:23.7/15

+ sign 0.003+/-0.004 χ^2/NDF: 33.4/33

All: 0.003+/-0.003 χ^2/NDF: 73.6/68

- sign 0.003+/-0.004 χ^2/NDF: 40.1/34



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.437+/-0.003 χ^2/NDF:972095.7/17

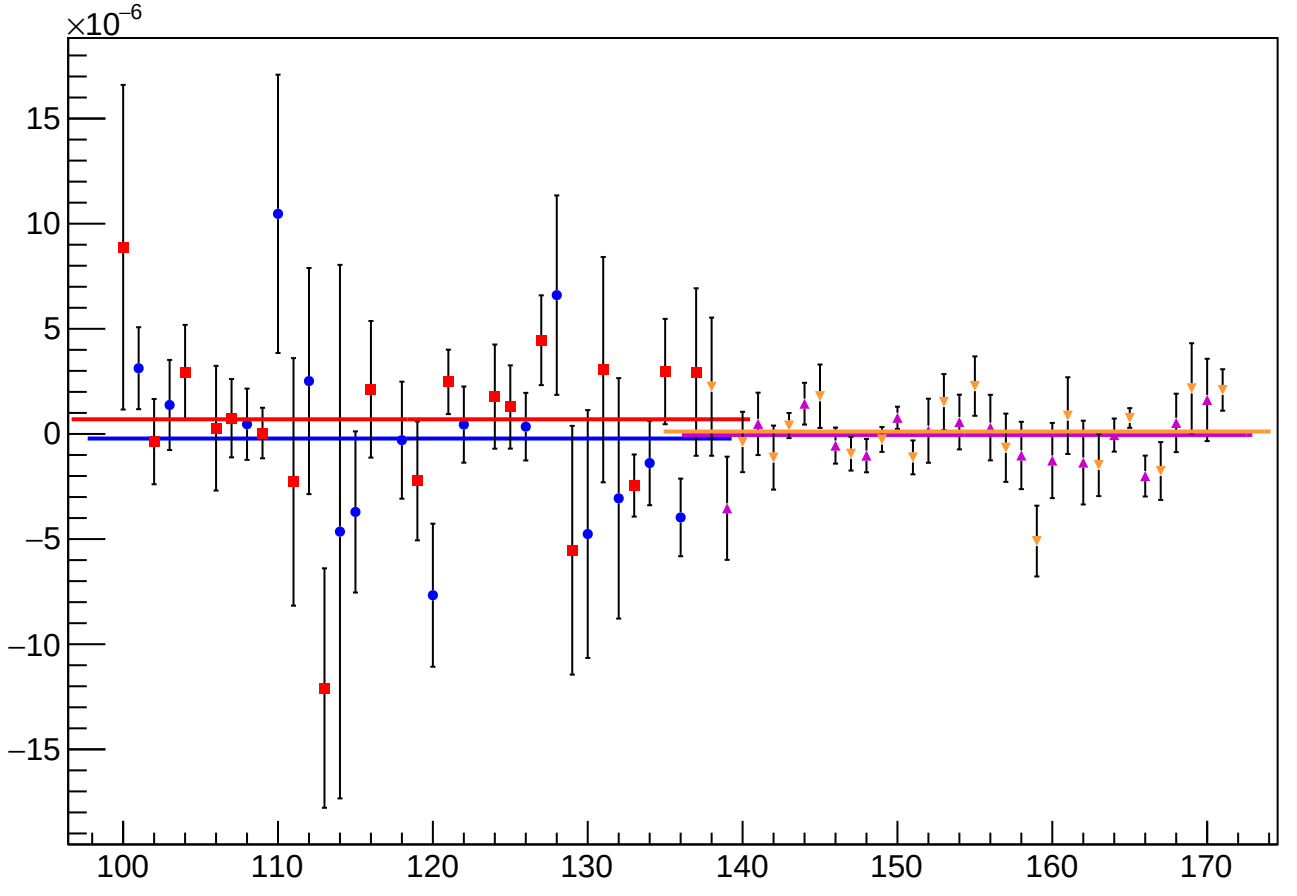
Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.573+/-0.003 χ^2/NDF:475954.0/15

+ sign 17.407+/-0.003 χ^2/NDF: 2069783.8/33

All: 17.475+/-0.002 χ^2/NDF: 3737781.5/68

- sign 17.546+/-0.003 χ^2/NDF: 1666782.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.4/17

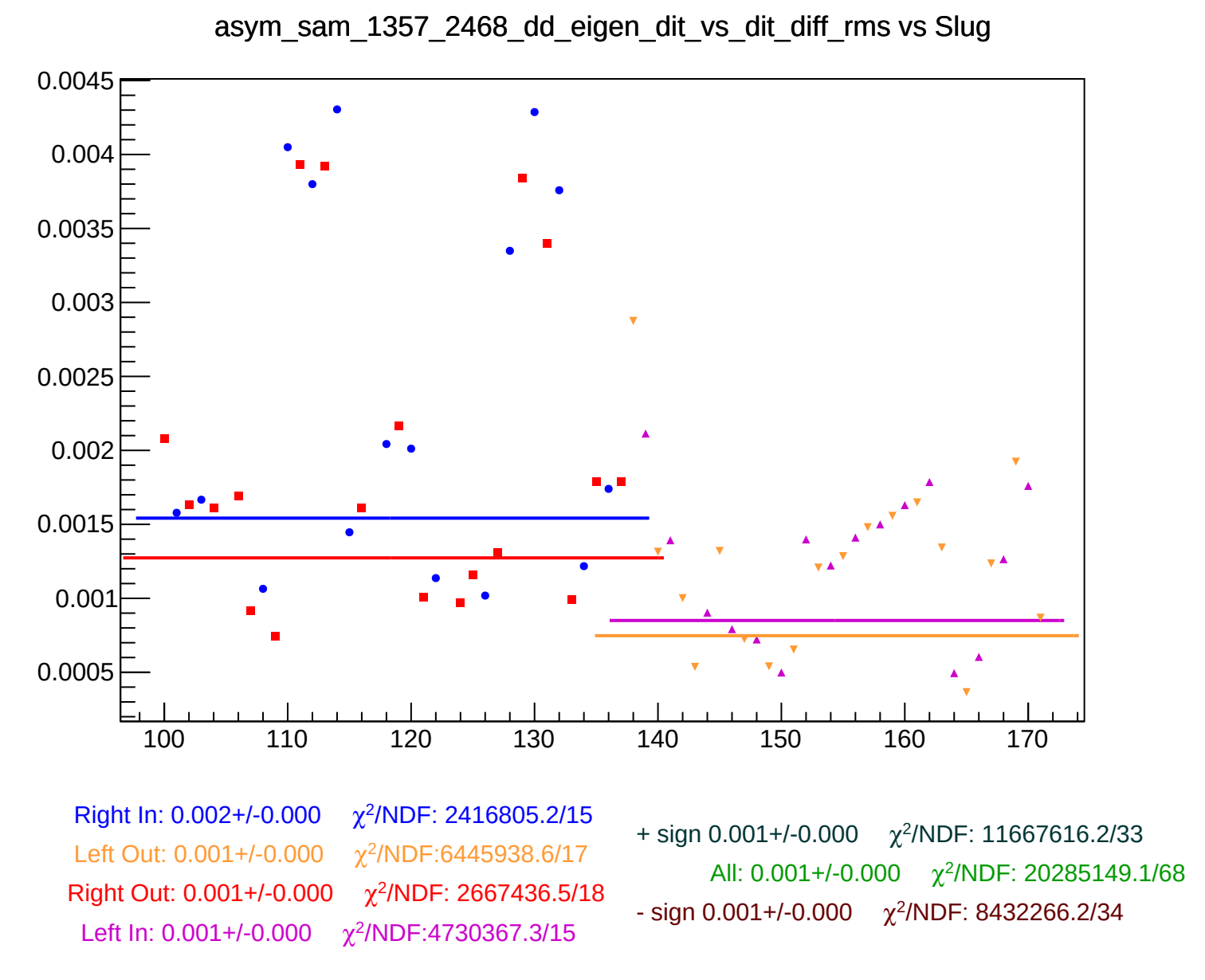
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/18

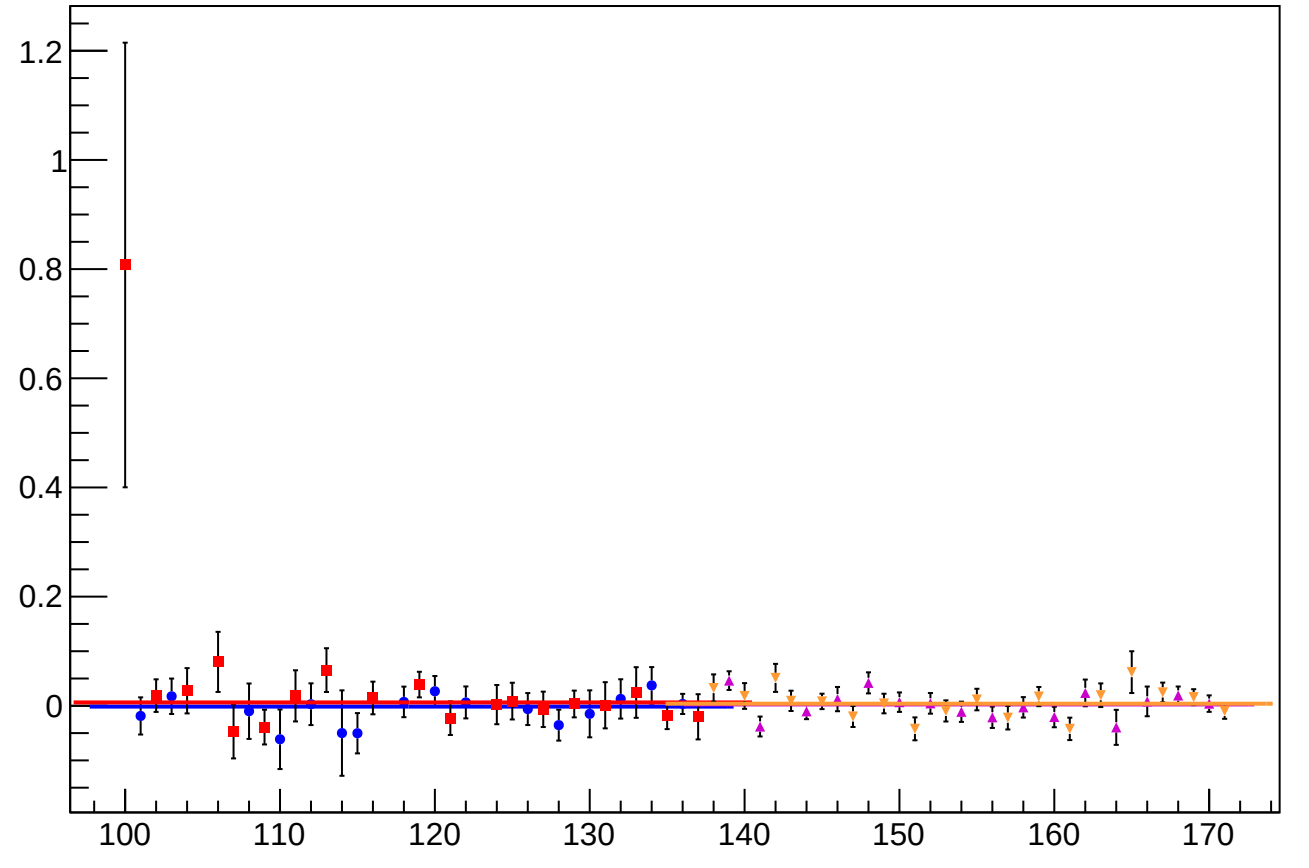
Left In: -0.000+/-0.000 χ^2/NDF:15.1/15

+ sign 0.000+/-0.000 χ^2/NDF: 50.6/33

All: 0.000+/-0.000 χ^2/NDF: 88.3/68

- sign 0.000+/-0.000 χ^2/NDF: 37.7/34


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
170
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6445938.6/17
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:4730367.3/15
+ sign 0.001+/-0.000 χ²/NDF: 11667616.2/33
All: 0.001+/-0.000 χ²/NDF: 20285149.1/68
- sign 0.001+/-0.000 χ²/NDF: 8432266.2/34



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

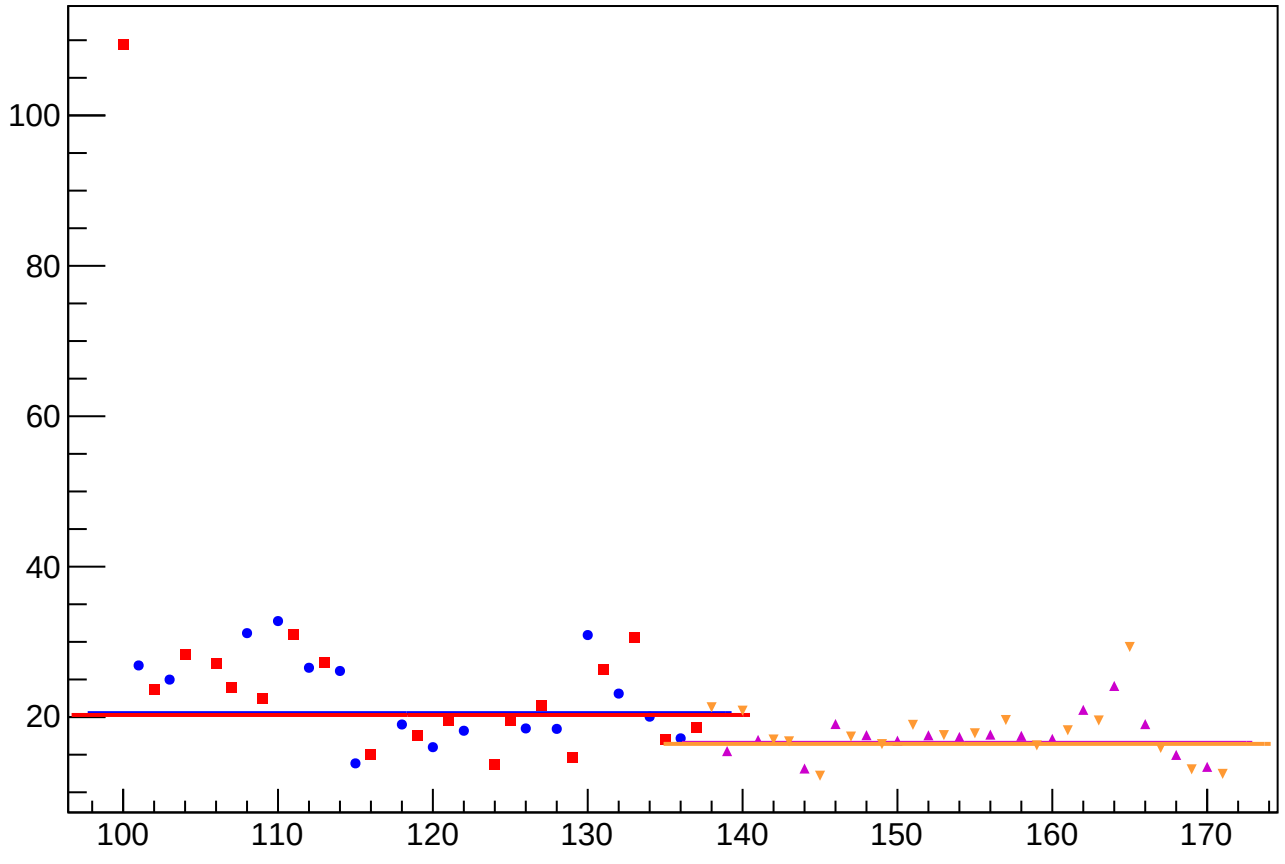
Right Out: 0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: 0.003+/-0.005 χ^2/NDF:23.7/15

+ sign 0.003+/-0.004 χ^2/NDF: 33.4/33

All: 0.003+/-0.003 χ^2/NDF: 73.6/68

- sign 0.003+/-0.004 χ^2/NDF: 40.1/34



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.437+/-0.003 χ^2/NDF:972030.9/17

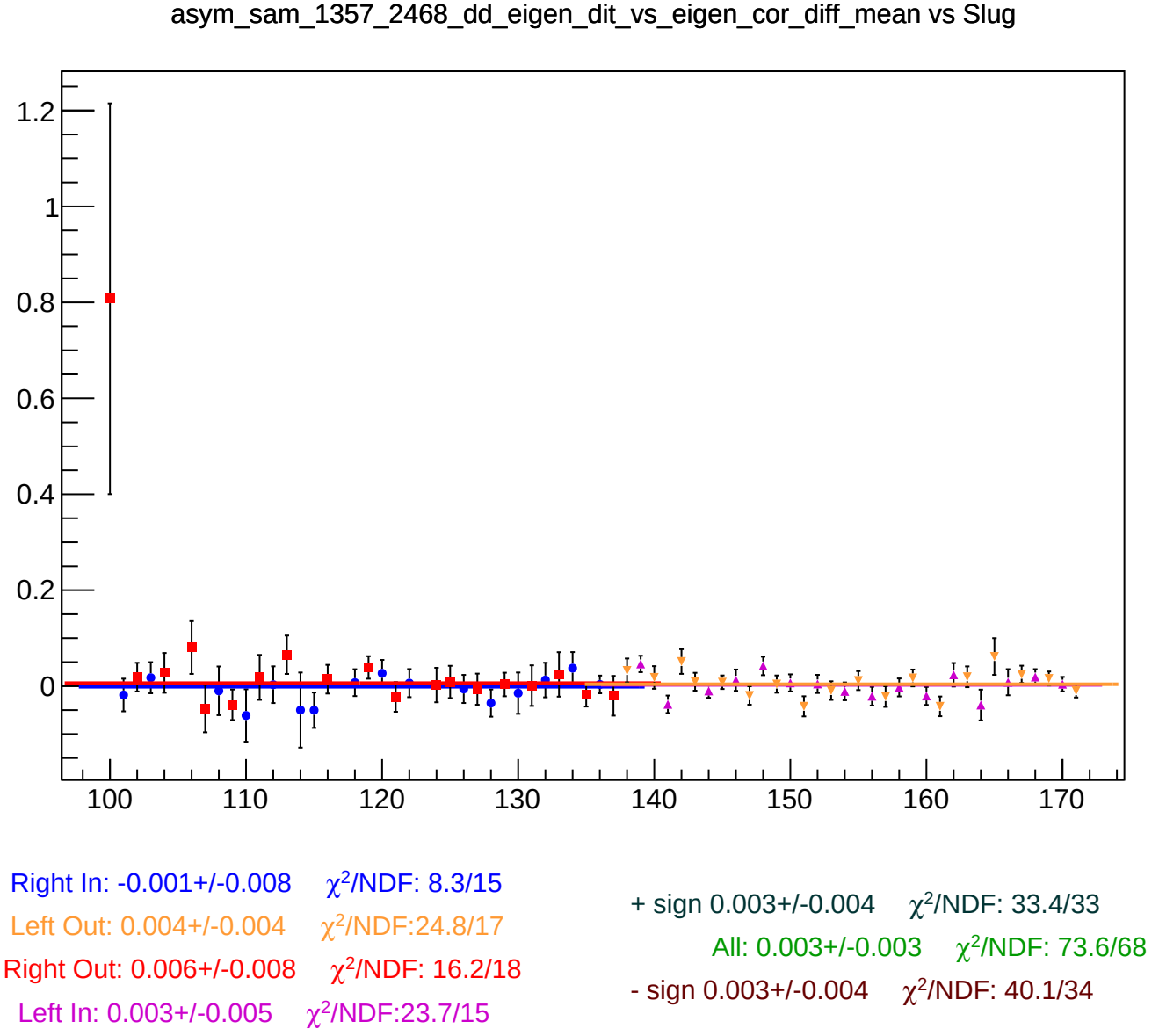
Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

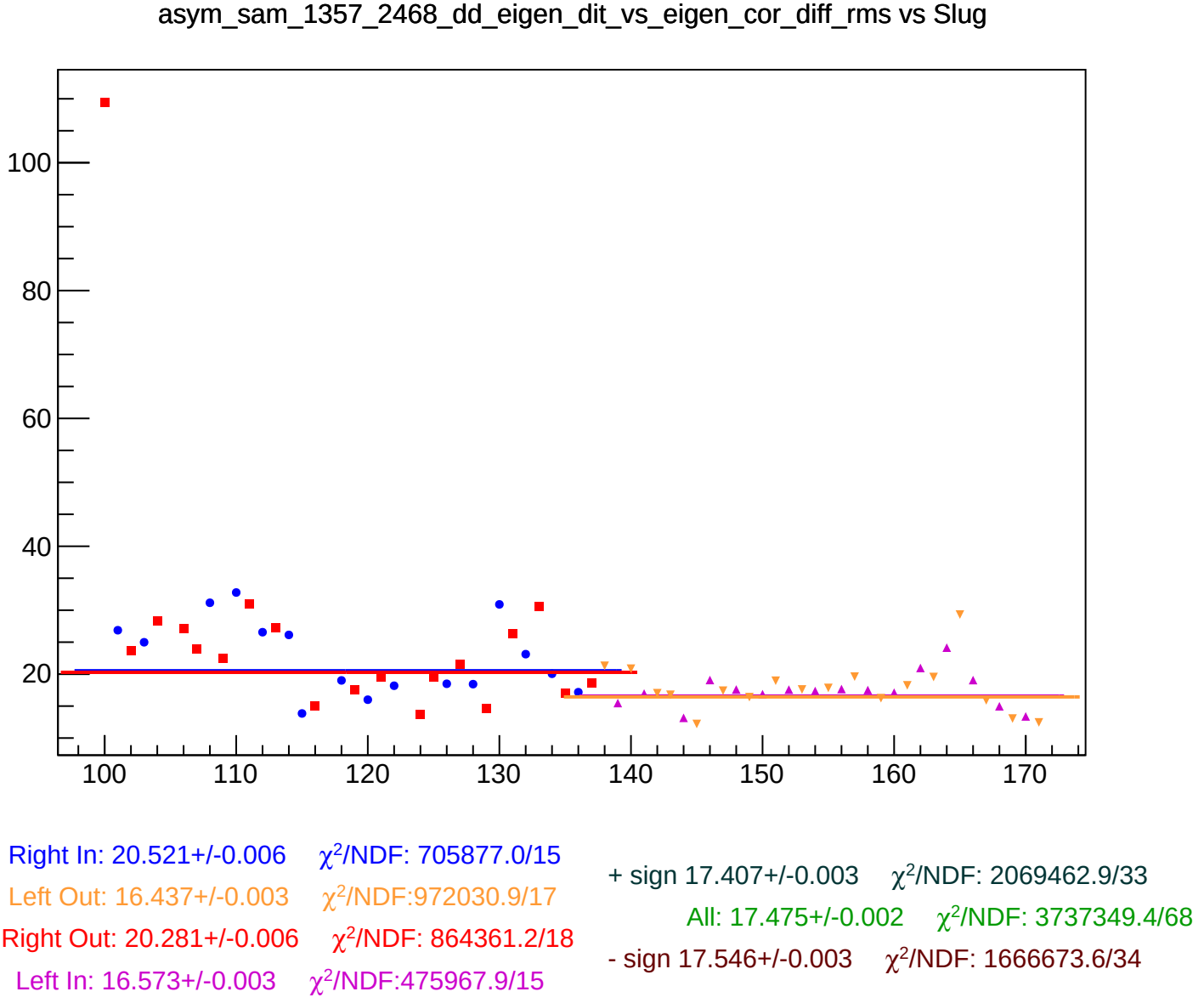
Left In: 16.573+/-0.003 χ^2/NDF:475967.9/15

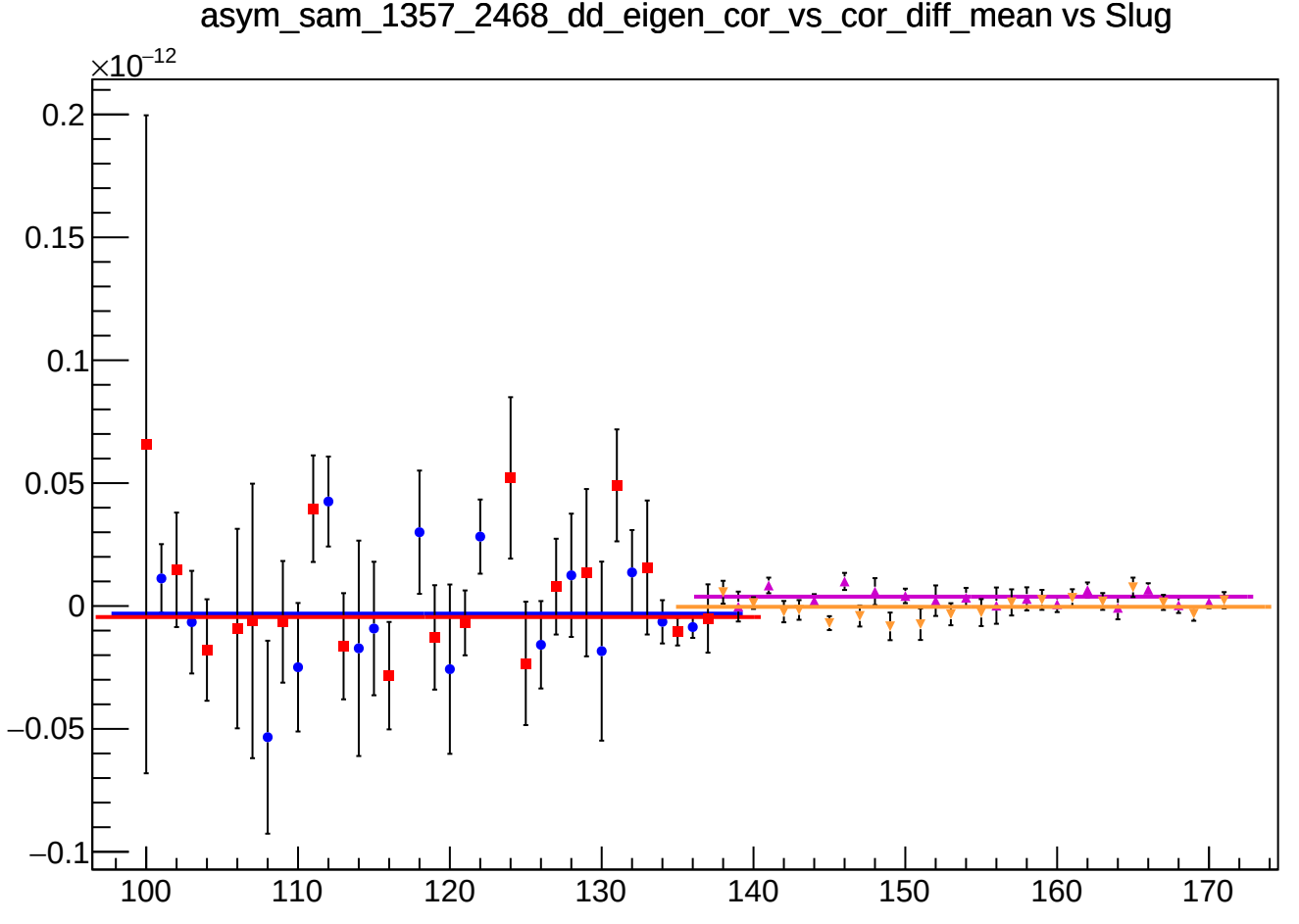
+ sign 17.407+/-0.003 χ^2/NDF: 2069462.9/33

All: 17.475+/-0.002 χ^2/NDF: 3737349.4/68

- sign 17.546+/-0.003 χ^2/NDF: 1666673.6/34


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
Right In: -0.001+/-0.008 χ²/NDF: 8.3/15
Left Out: 0.004+/-0.004 χ²/NDF:24.8/17
Right Out: 0.006+/-0.008 χ²/NDF: 16.2/18
Left In: 0.003+/-0.005 χ²/NDF:23.7/15
+ sign 0.003+/-0.004 χ²/NDF: 33.4/33
All: 0.003+/-0.003 χ²/NDF: 73.6/68
- sign 0.003+/-0.004 χ²/NDF: 40.1/34


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 20.521+/-0.006 χ²/NDF: 705877.0/15
Left Out: 16.437+/-0.003 χ²/NDF:972030.9/17
Right Out: 20.281+/-0.006 χ²/NDF: 864361.2/18
Left In: 16.573+/-0.003 χ²/NDF:475967.9/15
+ sign 17.407+/-0.003 χ²/NDF: 2069462.9/33
All: 17.475+/-0.002 χ²/NDF: 3737349.4/68
- sign 17.546+/-0.003 χ²/NDF: 1666673.6/34



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

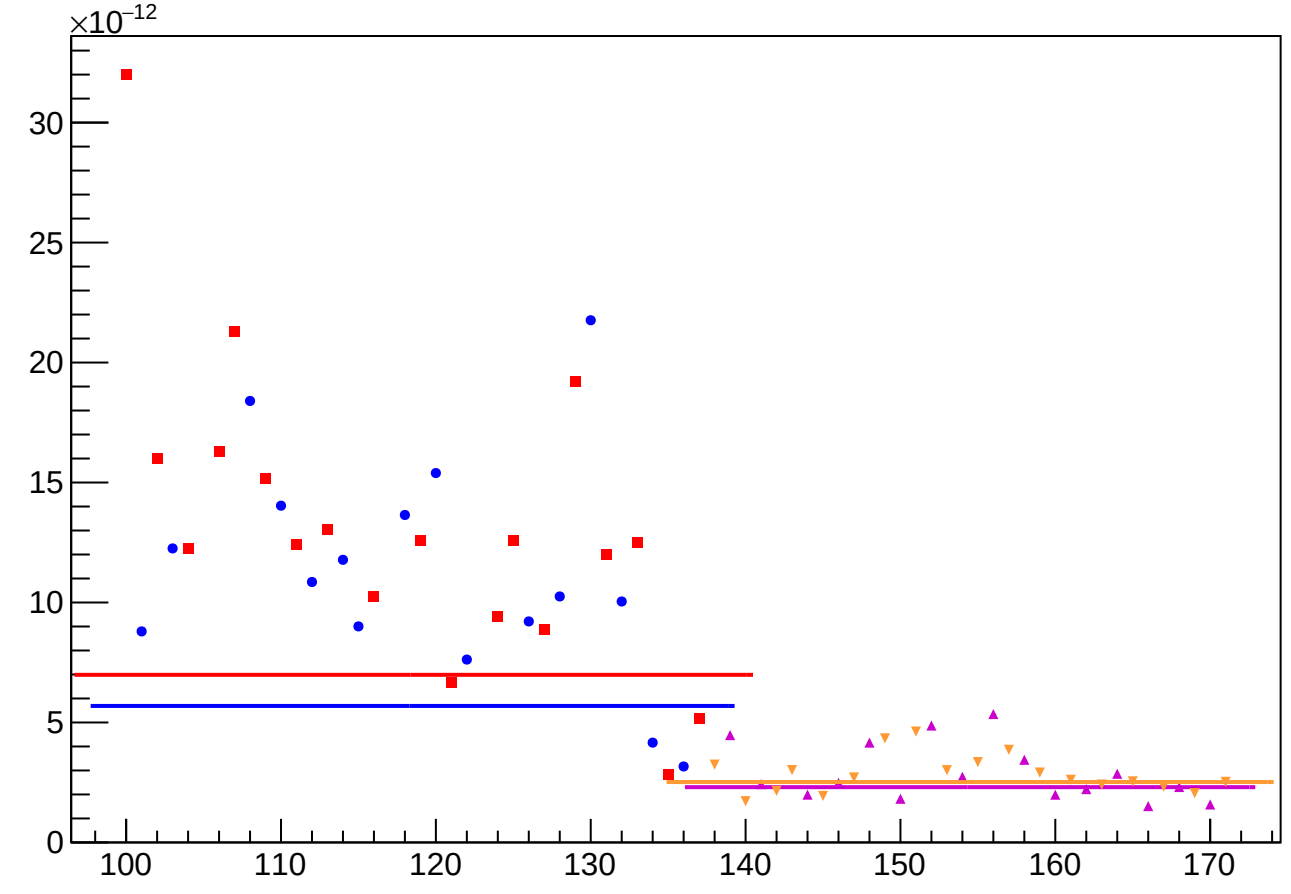
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/15

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/33

All: 0.000+/-0.000 χ^2/NDF: 87.2/68

- sign 0.000+/-0.000 χ^2/NDF: 35.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1115653.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

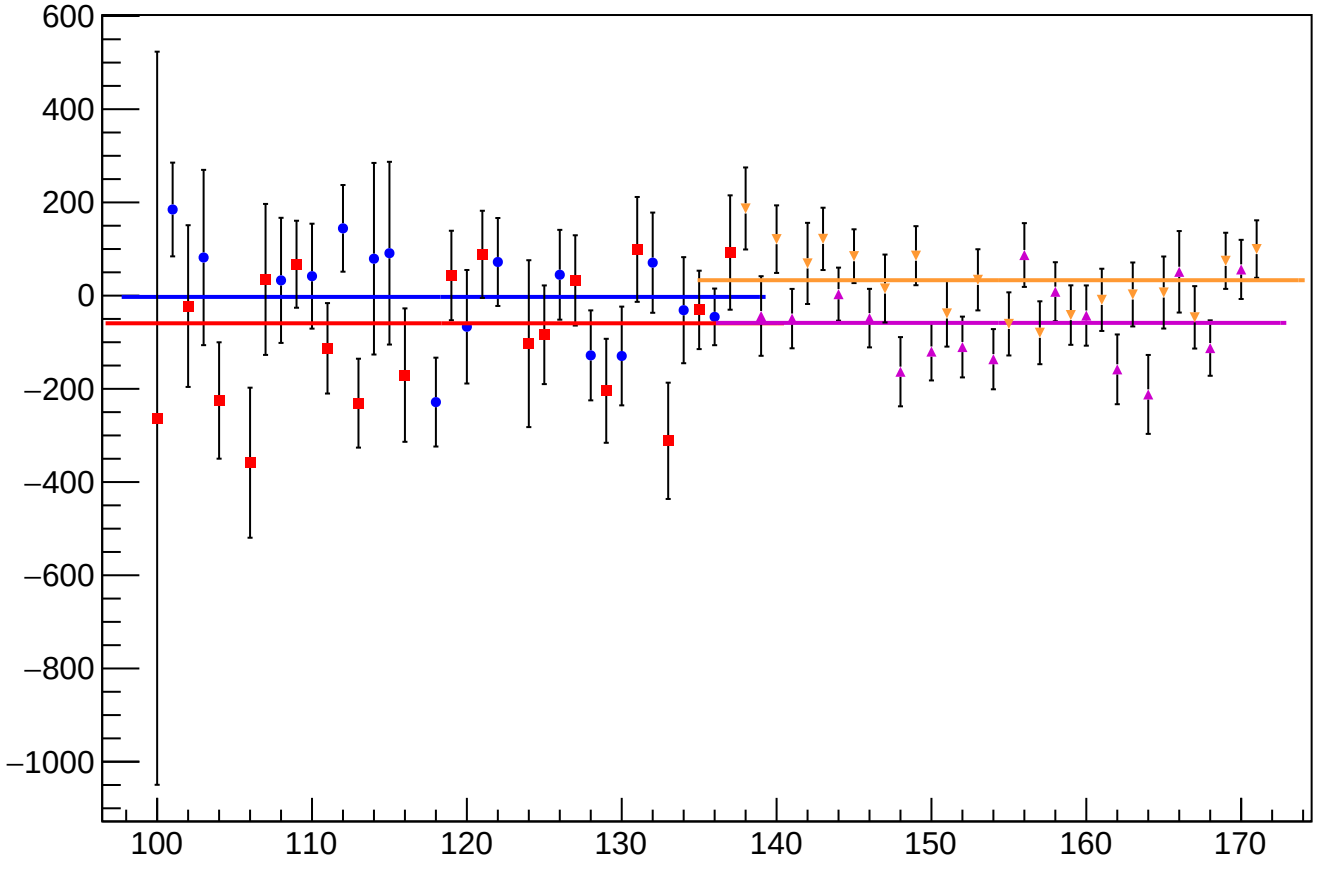
Left In: 0.000+/-0.000 χ^2/NDF:1807051.7/15

+ sign 0.000+/-0.000 χ^2/NDF: 5590371.9/33

All: 0.000+/-0.000 χ^2/NDF: 13352907.5/68

- sign 0.000+/-0.000 χ^2/NDF: 7707148.9/34

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.064+/-16.031 χ^2/NDF:18.9/17

Right Out: -59.349+/-26.382 χ^2/NDF: 25.7/18

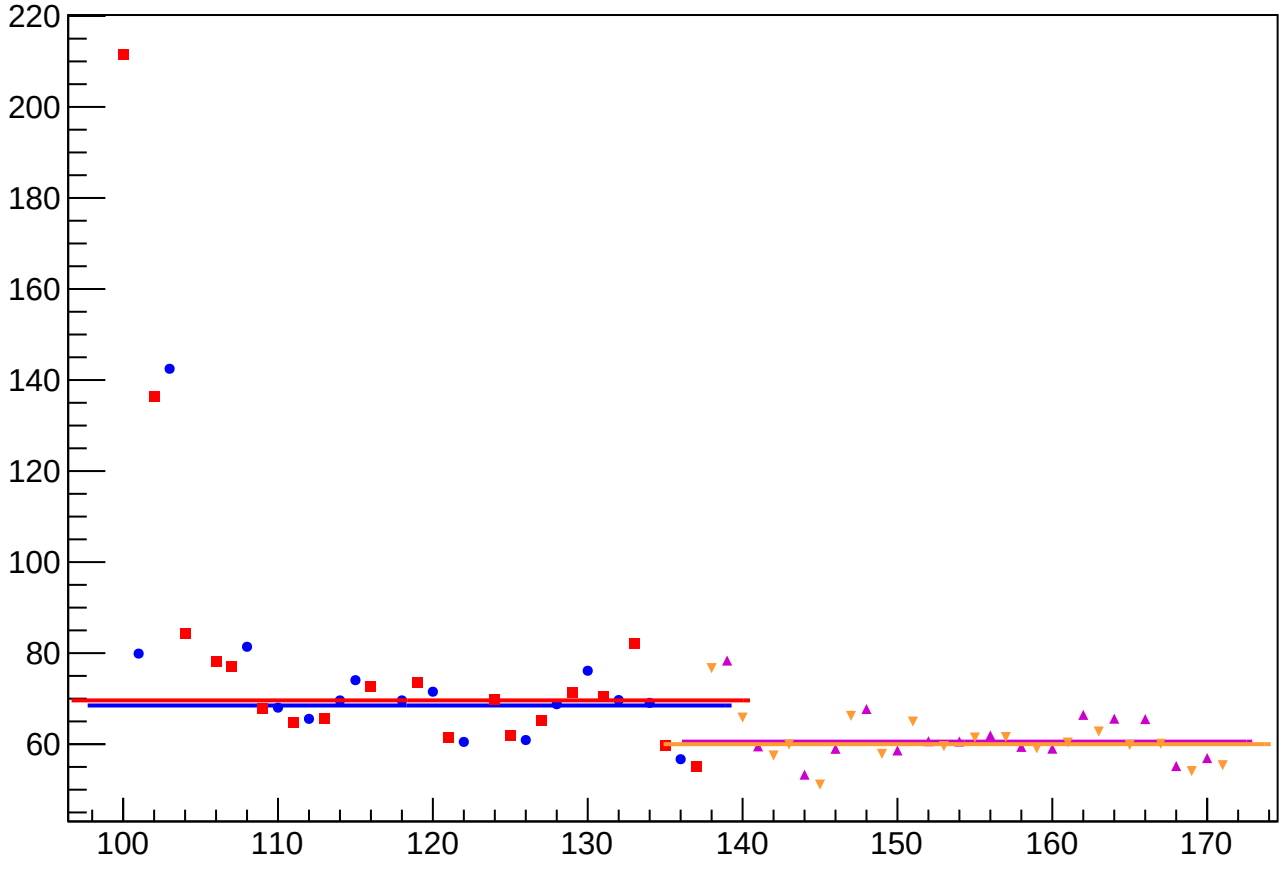
Left In: -58.489+/-16.796 χ^2/NDF:22.7/15

+ sign 23.311+/-13.676 χ^2/NDF: 37.9/33

All: -16.262+/-9.840 χ^2/NDF: 103.7/68

- sign -58.737+/-14.169 χ^2/NDF: 48.4/34

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

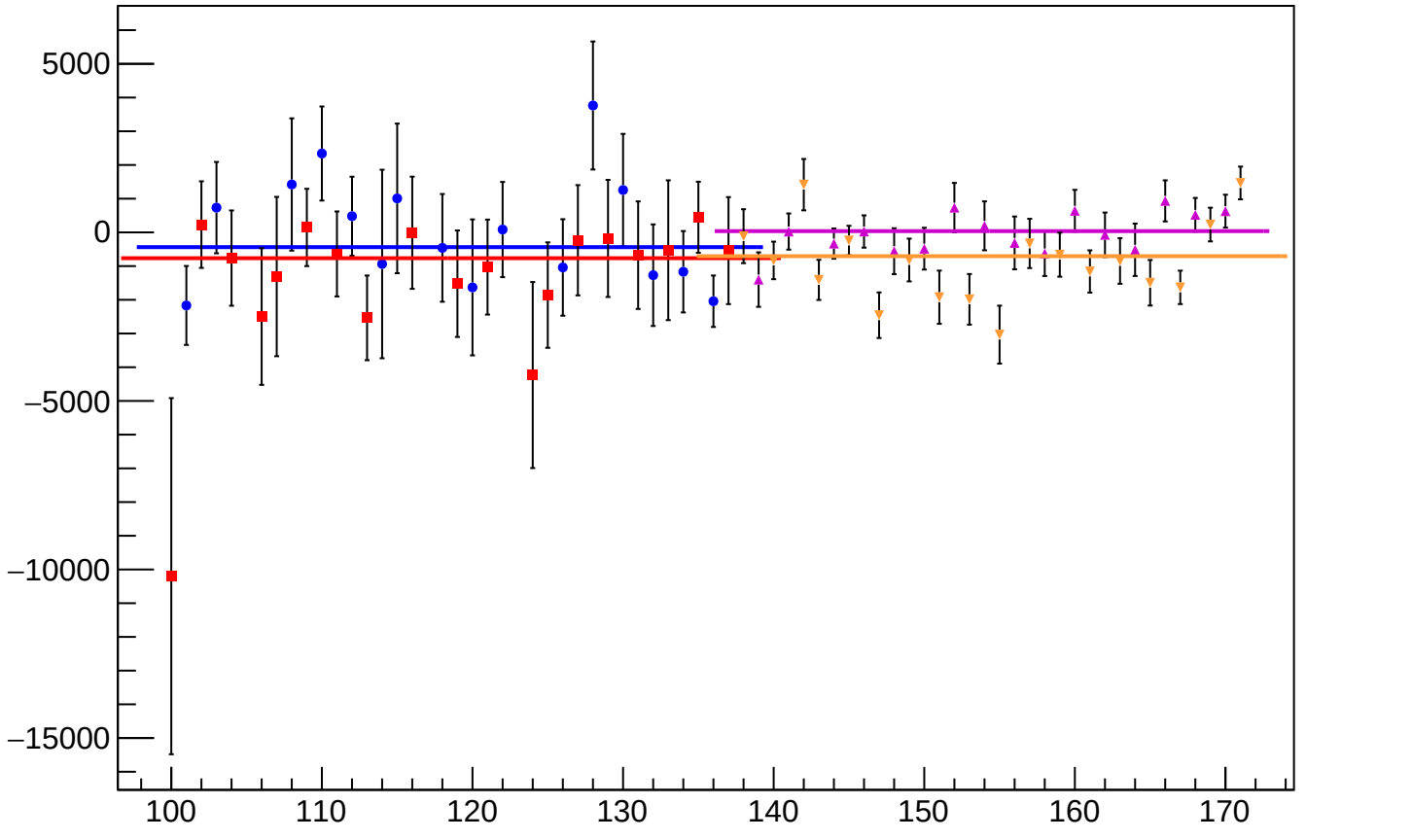
Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

+ sign 62.314+/-0.010 χ^2/NDF: 821836.8/33

All: 62.728+/-0.007 χ^2/NDF: 1706934.6/68

- sign 63.172+/-0.010 χ^2/NDF: 881302.7/34



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -706.117+/-145.170 χ^2/NDF:59.5/17

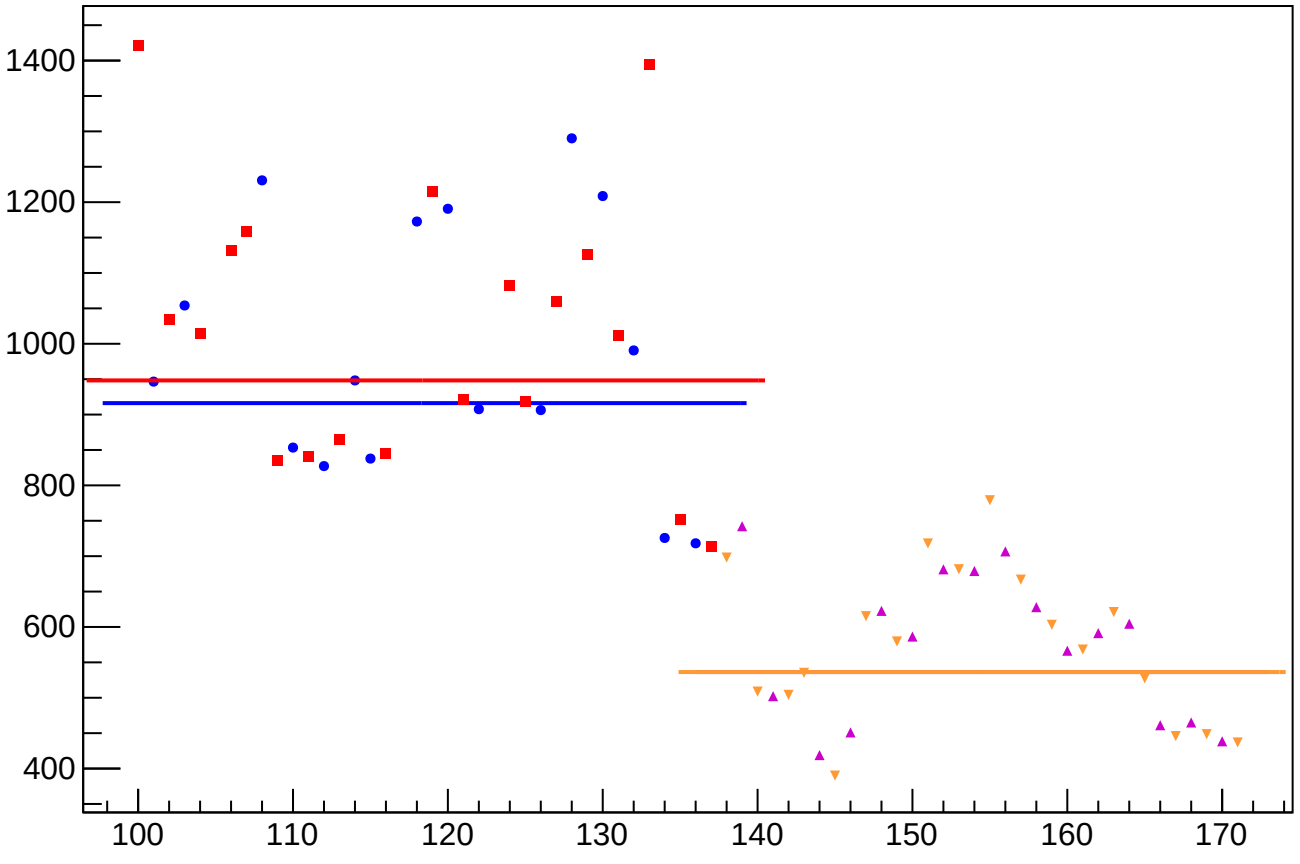
Right Out: -765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 37.880+/-150.498 χ^2/NDF:13.5/15

\+ sign -666.464+/-134.030 χ^2/NDF: 80.5/33

All: -385.456+/-96.296 χ^2/NDF: 118.8/68

\- sign -85.632+/-138.445 χ^2/NDF: 29.2/34



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 536.319+/-0.103 χ^2/NDF:1025497.7/17

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

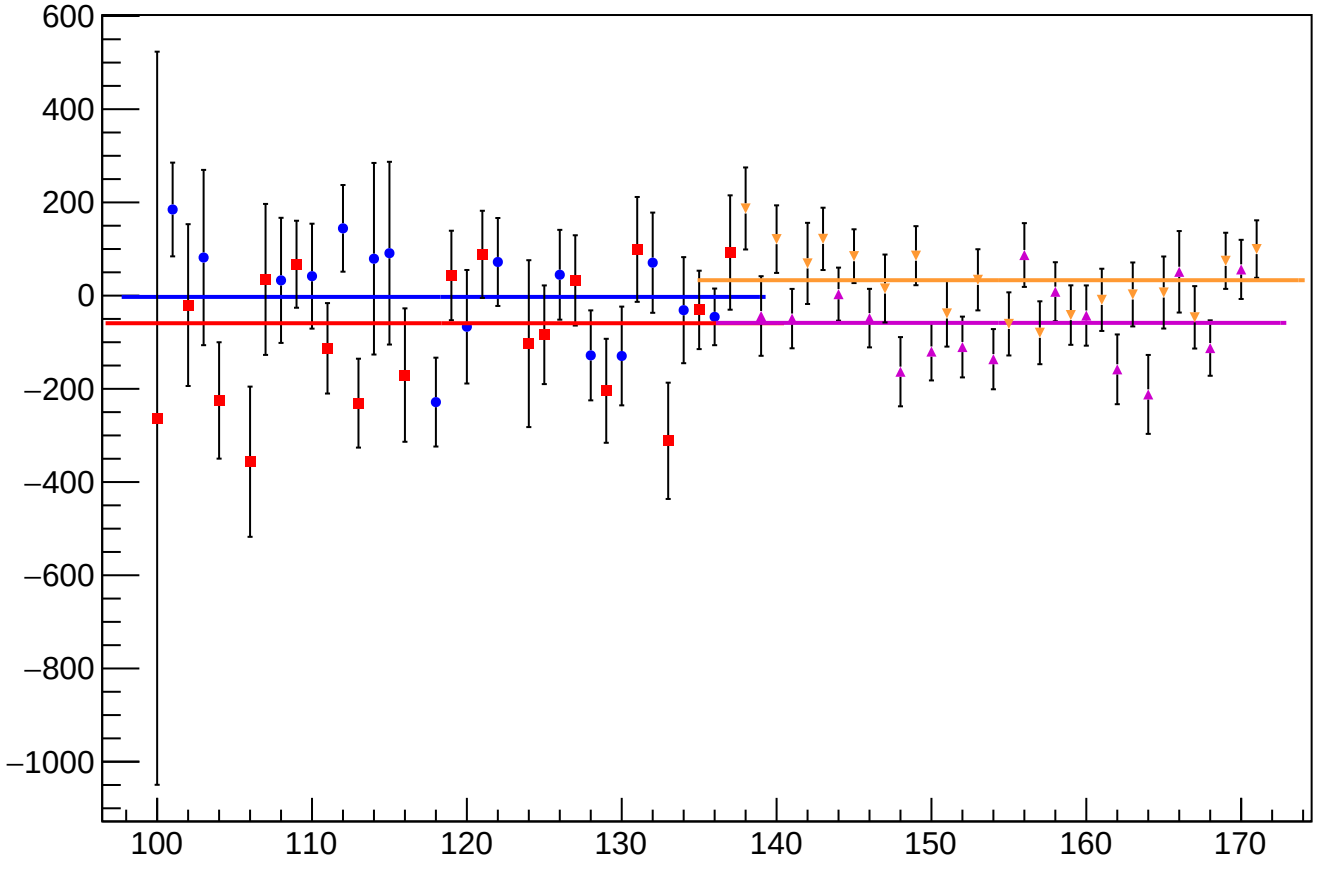
Left In: 536.342+/-0.106 χ^2/NDF:856572.2/15

+ sign 592.381+/-0.095 χ^2/NDF: 3555571.4/33

All: 595.912+/-0.068 χ^2/NDF: 7133822.6/68

- sign 599.679+/-0.098 χ^2/NDF: 3575382.5/34

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.066+/-16.031 χ^2/NDF:18.9/17

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

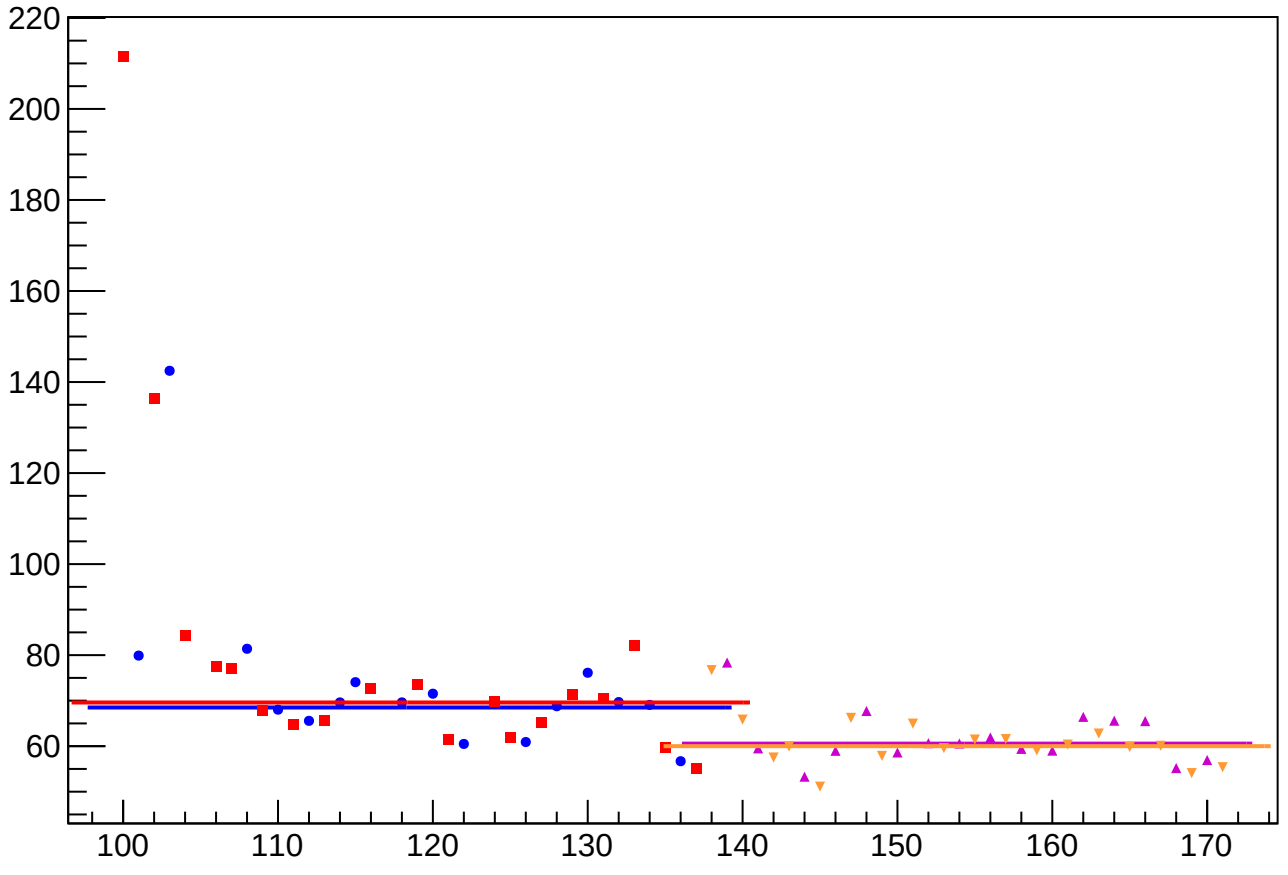
Left In: -58.487+/-16.796 χ^2/NDF:22.7/15

+ sign 23.311+/-13.676 χ^2/NDF: 37.9/33

All: -16.244+/-9.840 χ^2/NDF: 103.7/68

- sign -58.700+/-14.169 χ^2/NDF: 48.4/34

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

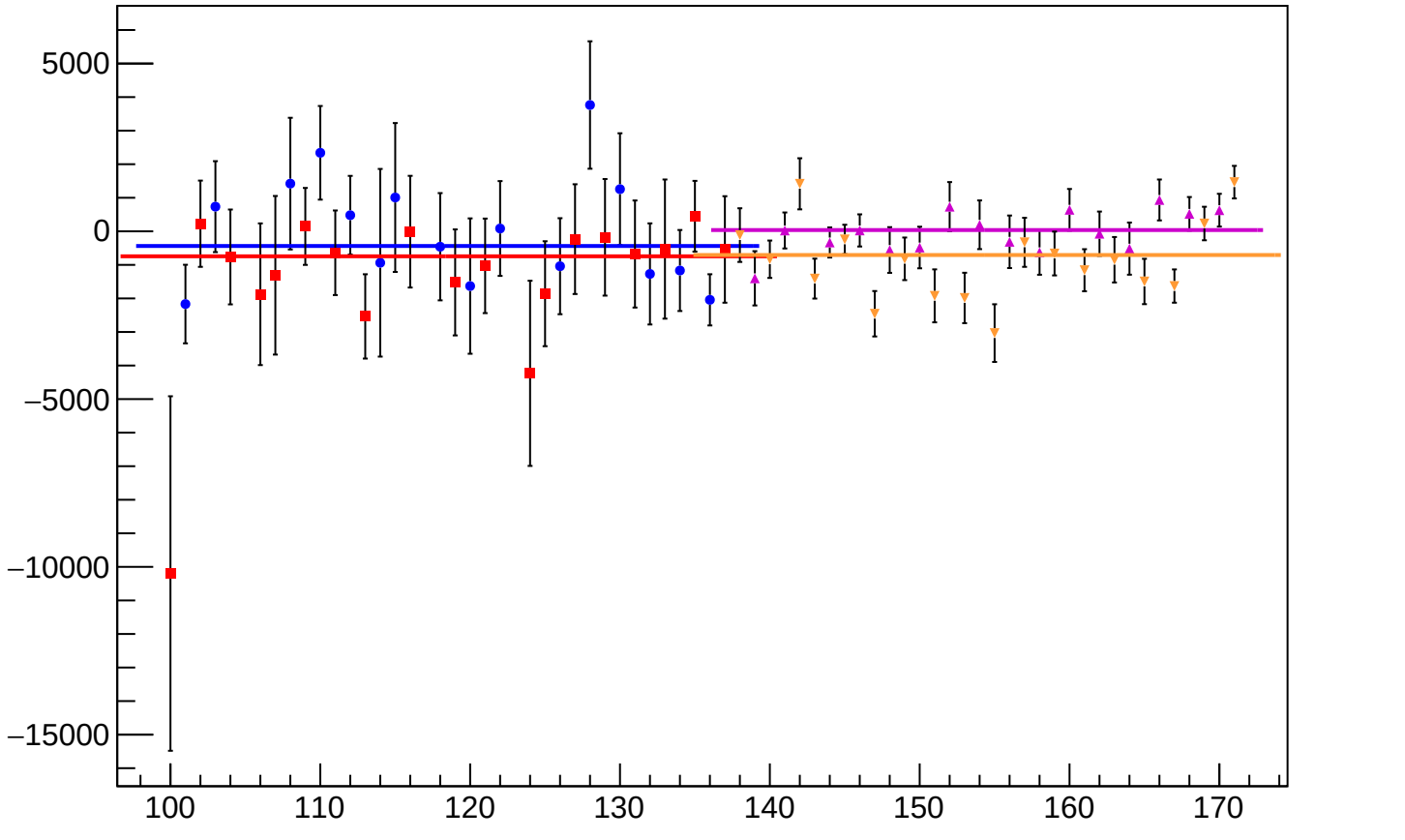
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

+ sign 62.314+/-0.010 χ^2/NDF: 821839.8/33

All: 62.725+/-0.007 χ^2/NDF: 1705549.9/68

- sign 63.167+/-0.010 χ^2/NDF: 879965.4/34



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -706.112+/-145.170 χ^2/NDF:59.5/17

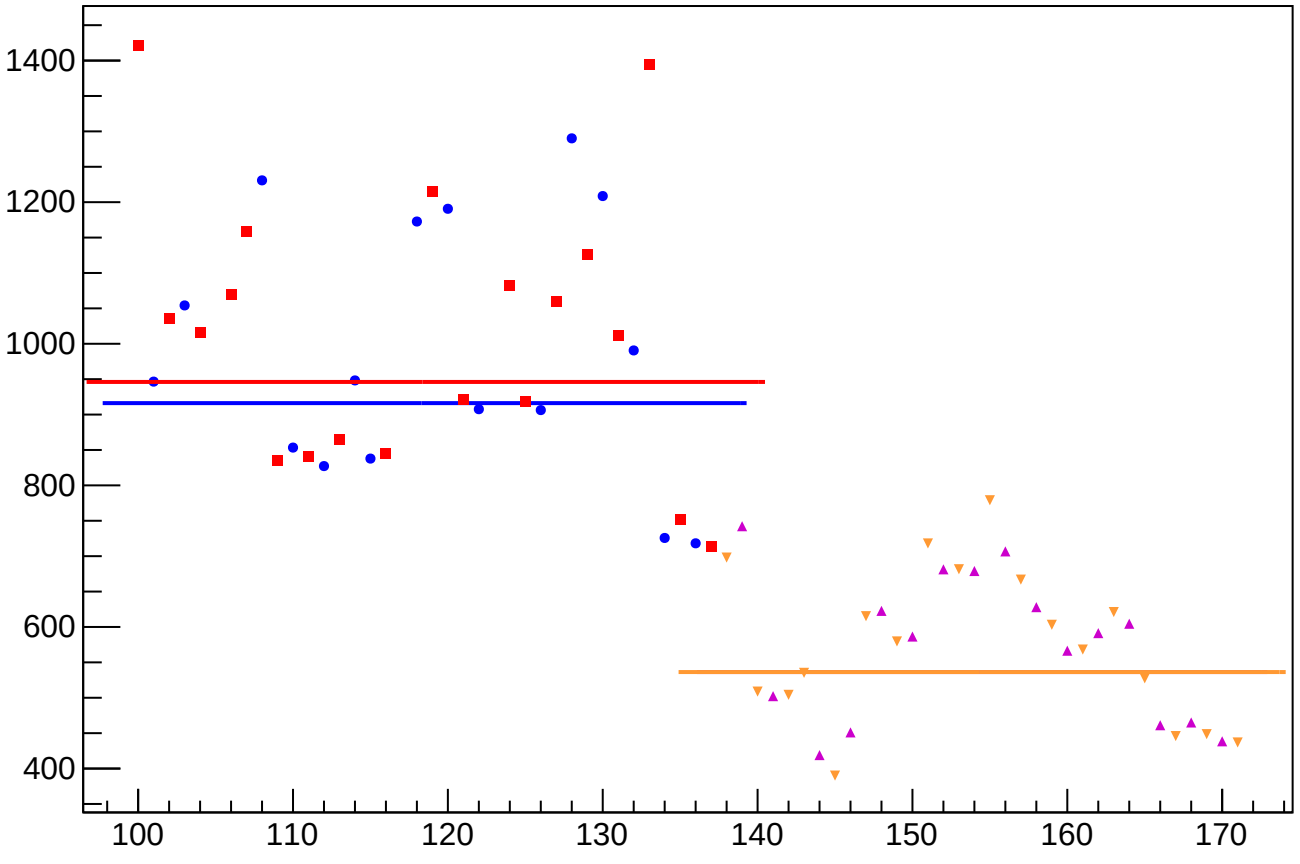
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 37.879+/-150.498 χ^2/NDF:13.5/15

+ sign -666.456+/-134.030 χ^2/NDF: 80.5/33

All: -383.827+/-96.305 χ^2/NDF: 118.2/68

- sign -82.160+/-138.471 χ^2/NDF: 28.5/34



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 536.319+/-0.103 χ^2/NDF:1025502.1/17

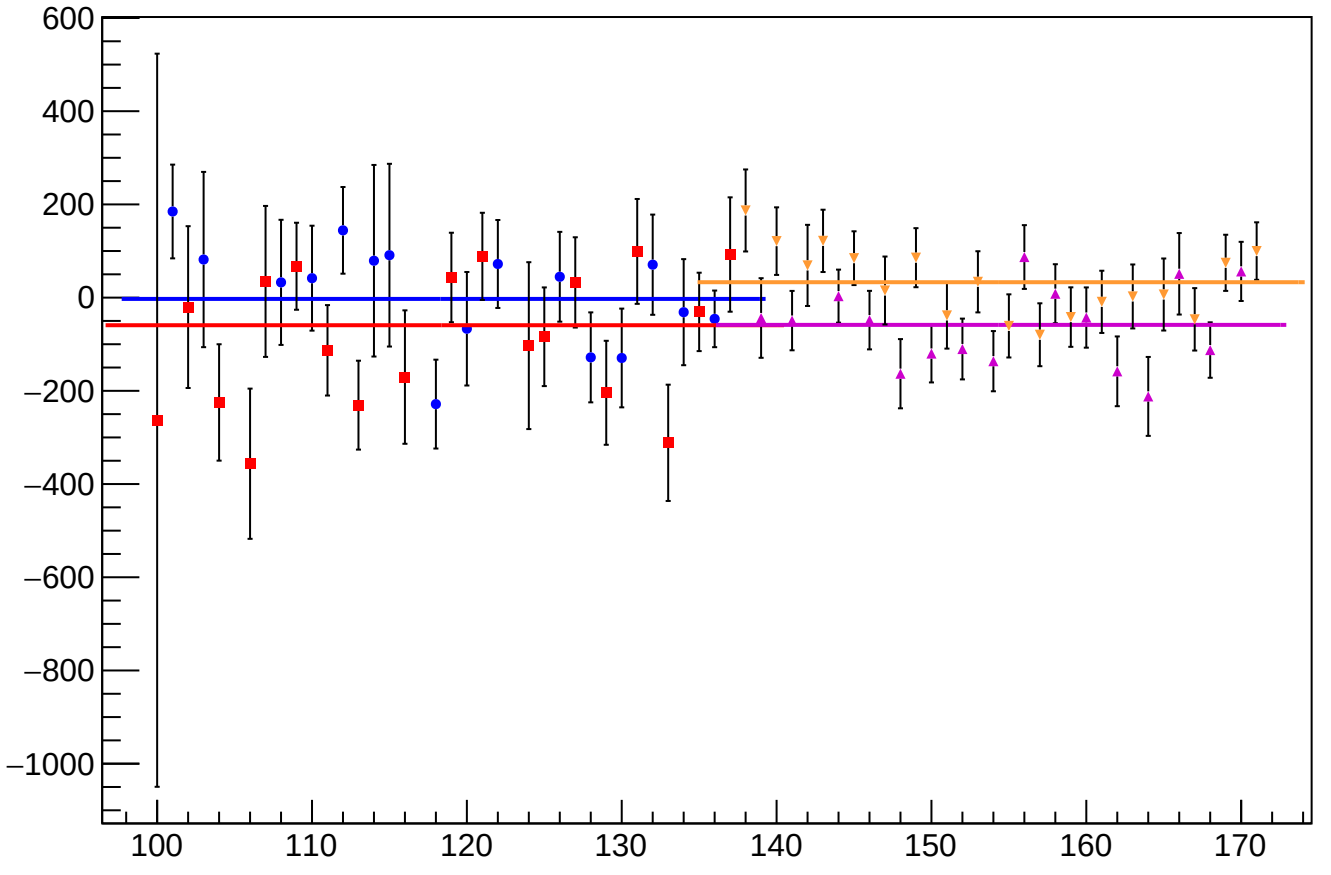
Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 536.342+/-0.106 χ^2/NDF:856570.0/15

+ sign 592.381+/-0.095 χ^2/NDF: 3555624.5/33

All: 595.688+/-0.068 χ^2/NDF: 7095078.0/68

- sign 599.218+/-0.098 χ^2/NDF: 3536936.0/34



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.066+/-16.031 χ^2/NDF:18.9/17

Right Out: -59.226+/-26.384 χ^2/NDF: 25.7/18

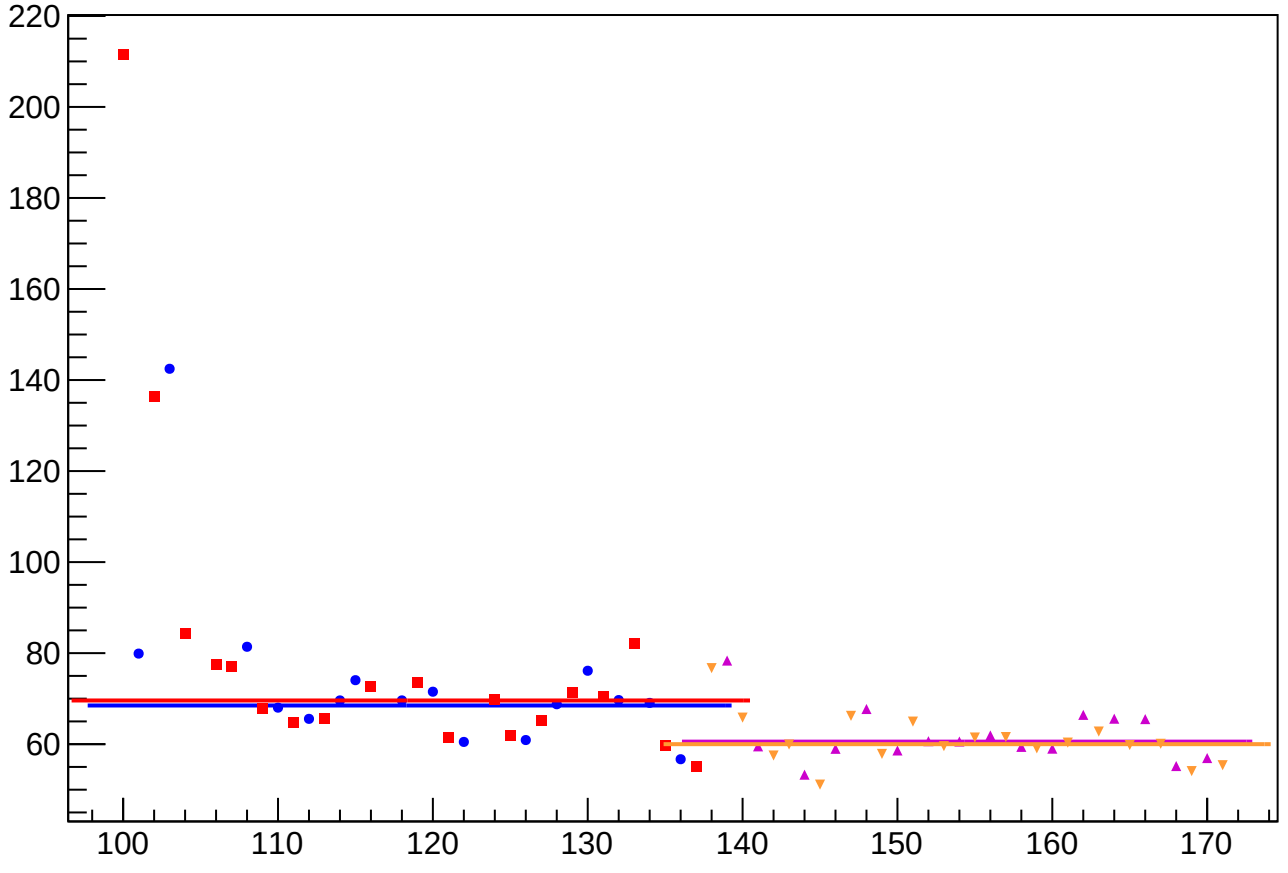
Left In: -58.487+/-16.796 χ^2/NDF:22.7/15

+ sign 23.311+/-13.676 χ^2/NDF: 37.9/33

All: -16.244+/-9.840 χ^2/NDF: 103.7/68

- sign -58.700+/-14.169 χ^2/NDF: 48.4/34

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

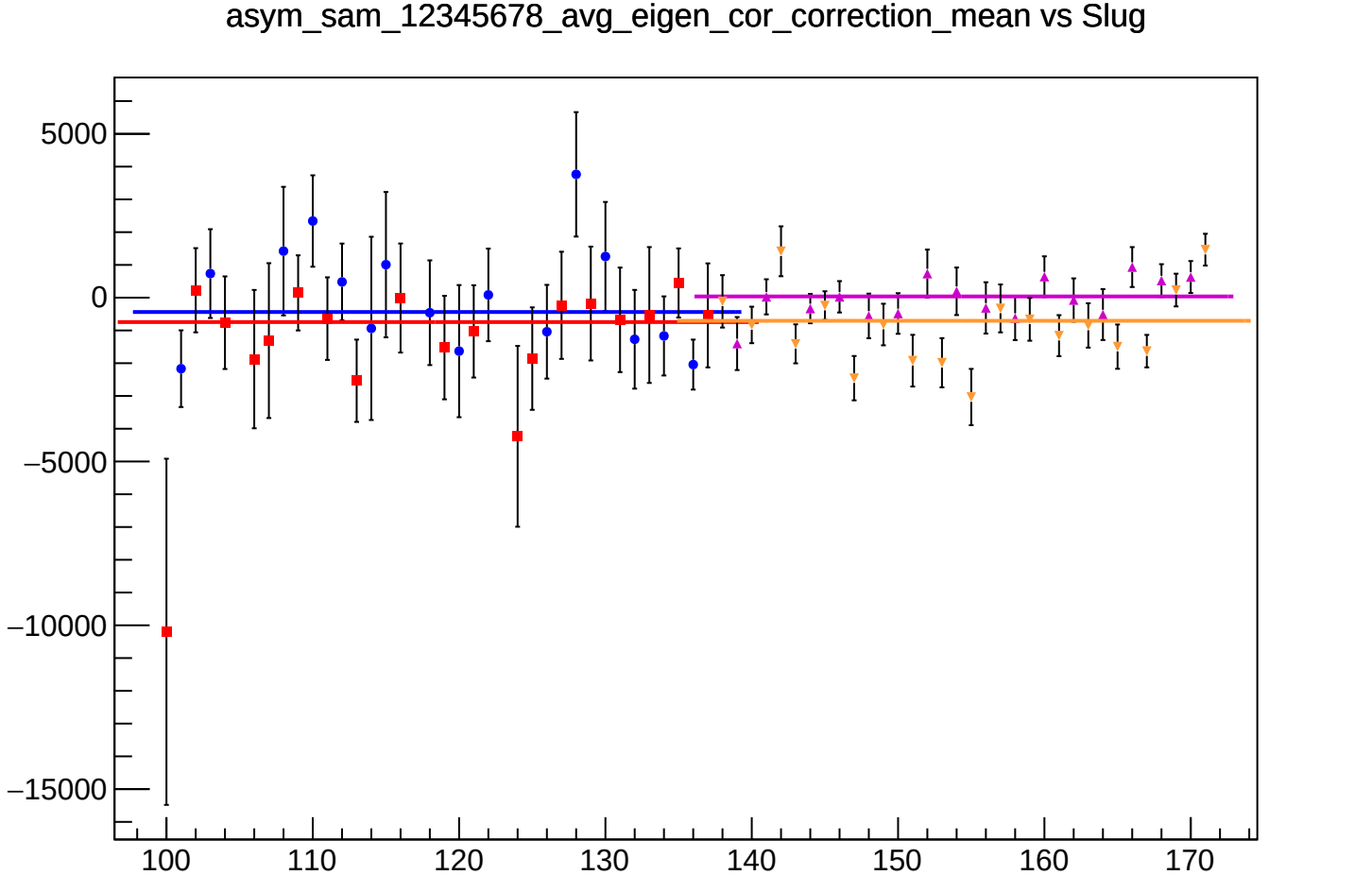
Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.559+/-0.012 χ^2/NDF:193036.1/15

+ sign 62.314+/-0.010 χ^2/NDF: 821839.8/33

All: 62.725+/-0.007 χ^2/NDF: 1705549.9/68

- sign 63.167+/-0.010 χ^2/NDF: 879965.4/34



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -706.112+/-145.170 χ^2/NDF:59.5/17

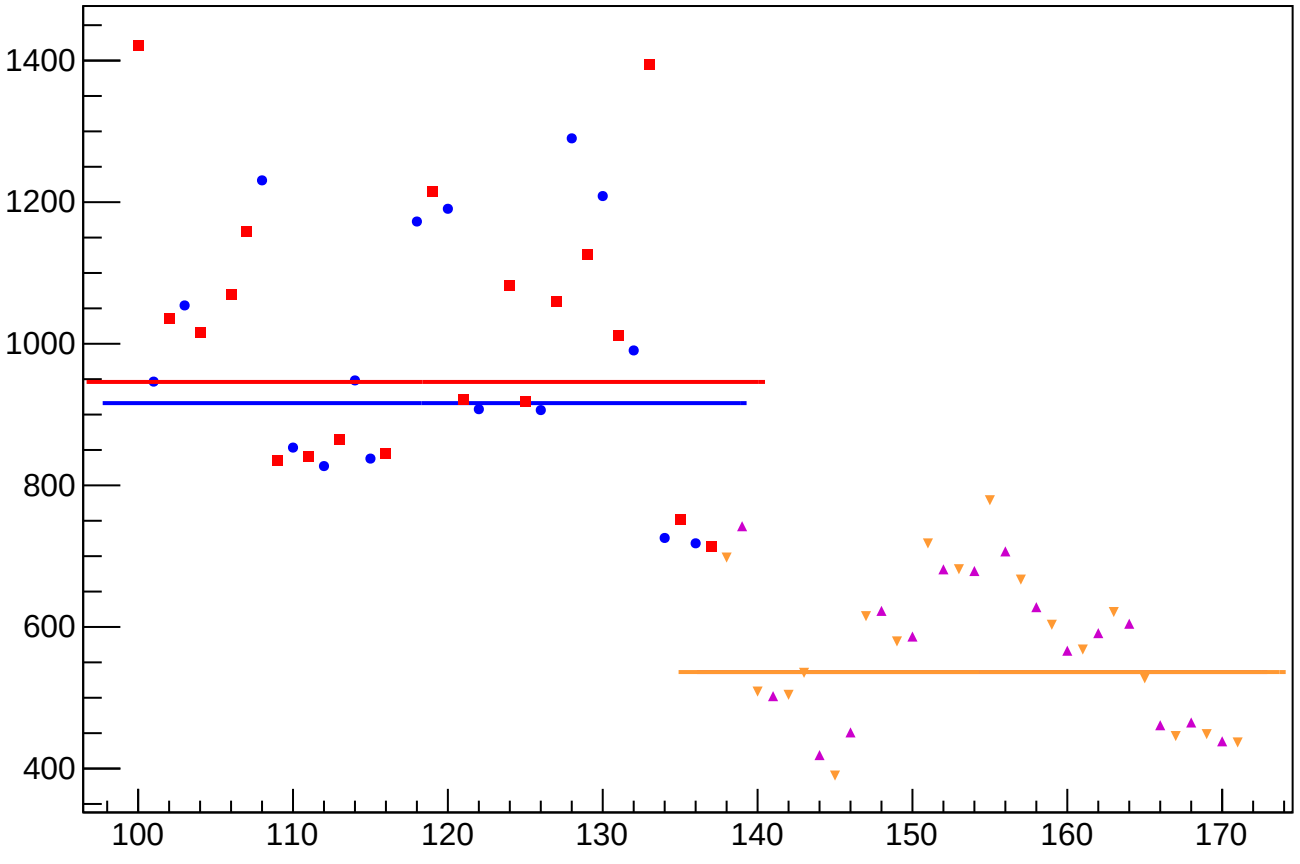
Right Out: -744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 37.879+/-150.498 χ^2/NDF:13.5/15

+ sign -666.456+/-134.030 χ^2/NDF: 80.5/33

All: -383.827+/-96.305 χ^2/NDF: 118.2/68

- sign -82.160+/-138.471 χ^2/NDF: 28.5/34



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 536.319+/-0.103 χ^2/NDF:1025502.1/17

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

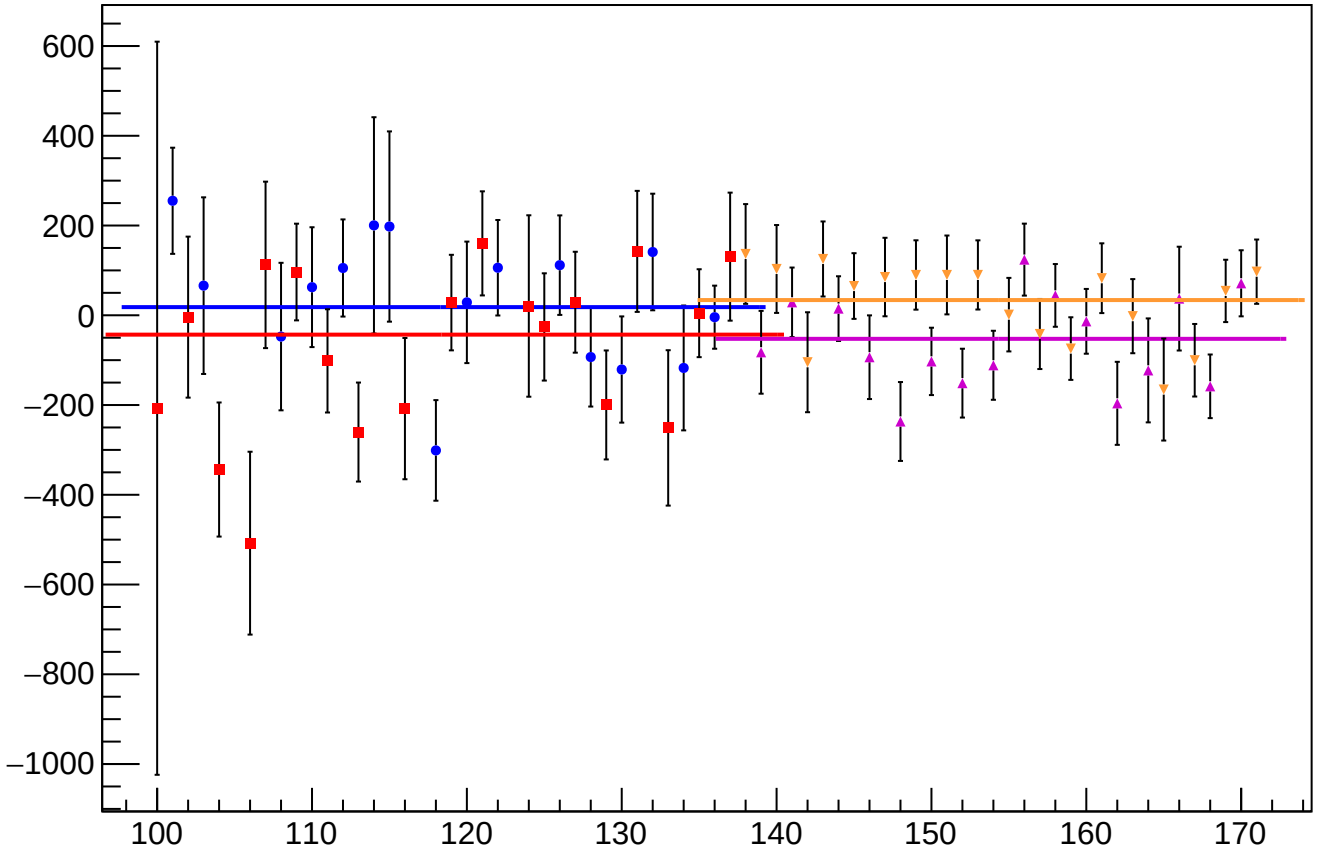
Left In: 536.342+/-0.106 χ^2/NDF:856570.0/15

+ sign 592.381+/-0.095 χ^2/NDF: 3555624.5/33

All: 595.688+/-0.068 χ^2/NDF: 7095078.0/68

- sign 599.218+/-0.098 χ^2/NDF: 3536936.0/34

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 33.890+/-19.408 χ^2/NDF:16.9/17

Right Out: -43.146+/-30.707 χ^2/NDF: 27.7/18

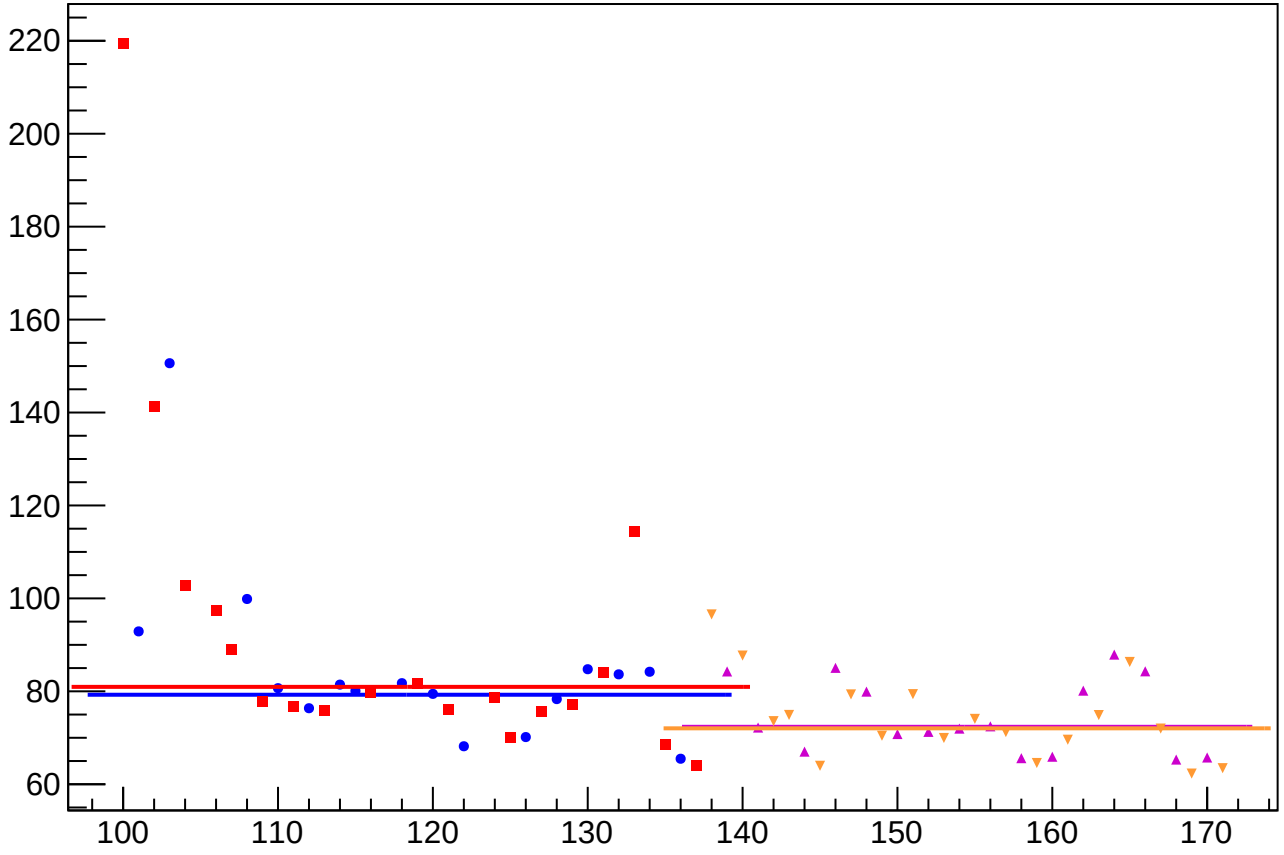
Left In: -52.501+/-20.246 χ^2/NDF:24.9/15

+ sign 29.328+/-16.350 χ^2/NDF: 37.2/33

All: -8.856+/-11.752 χ^2/NDF: 101.1/68

- sign -49.666+/-16.903 χ^2/NDF: 52.6/34

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.034+/-0.014 χ^2/NDF:333982.1/17

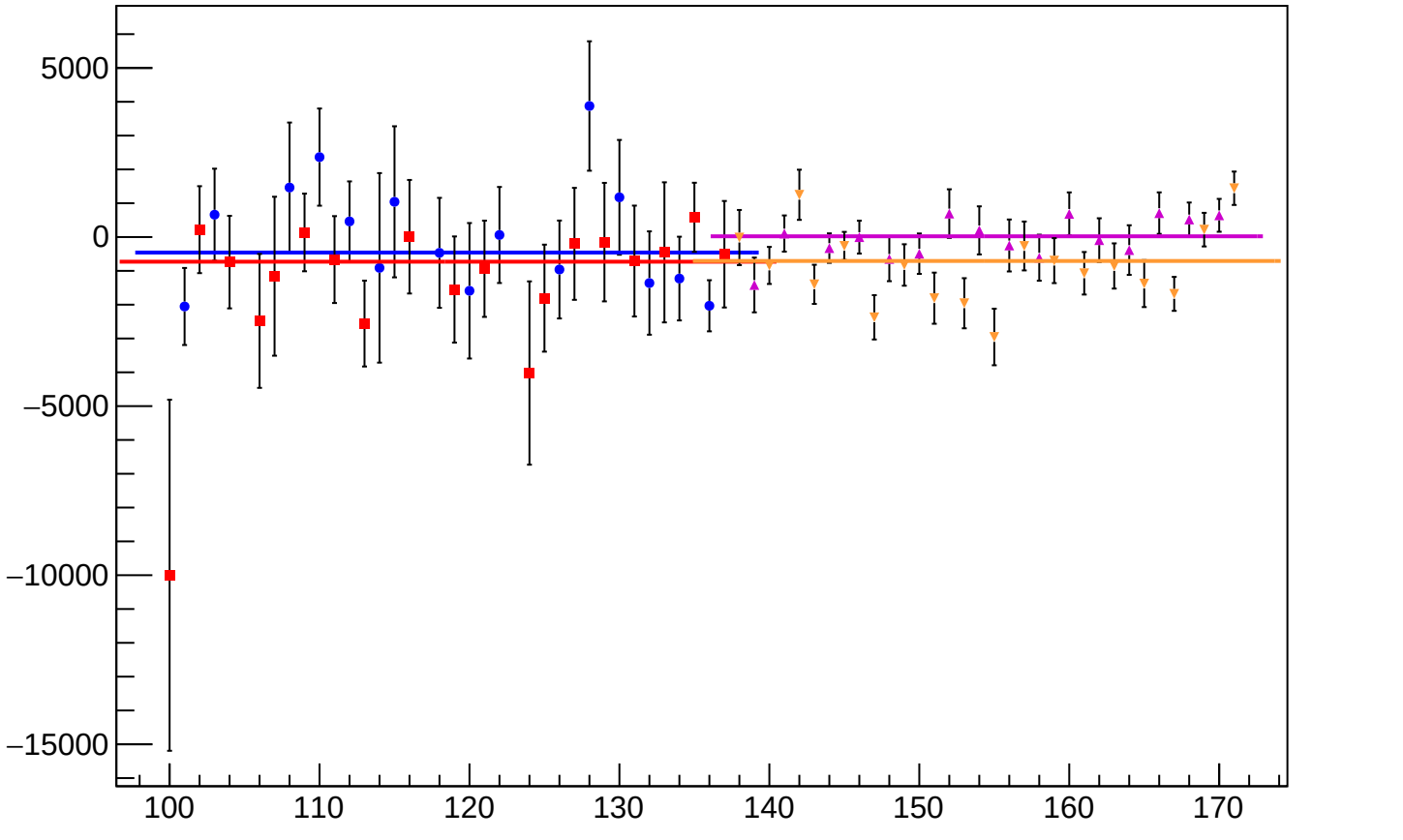
Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.362+/-0.014 χ^2/NDF:239469.9/15

+ sign 74.133+/-0.012 χ^2/NDF: 859476.2/33

All: 74.536+/-0.008 χ^2/NDF: 1724884.5/68

- sign 74.967+/-0.012 χ^2/NDF: 862891.8/34



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -707.327+/-143.483 χ^2/NDF:56.9/17

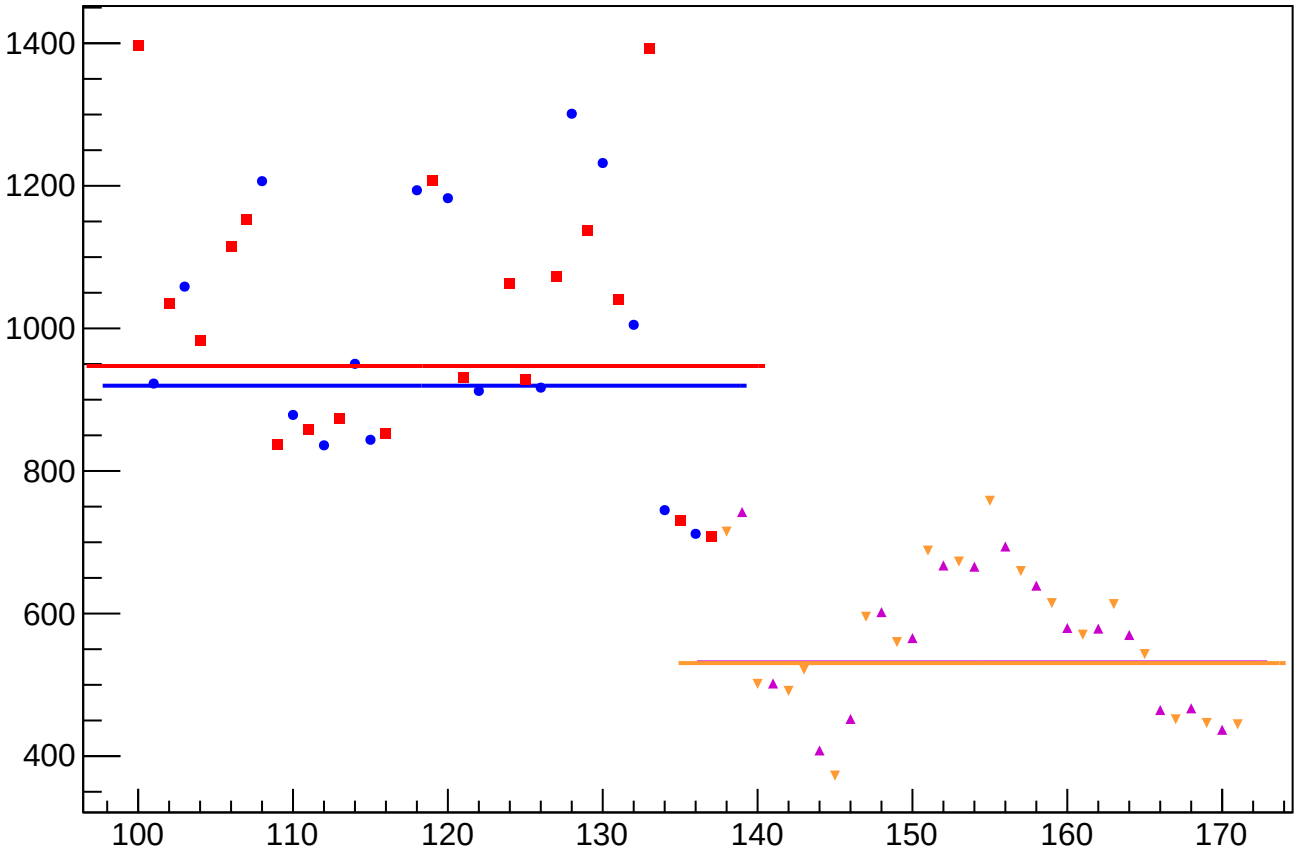
Right Out: -728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 22.243+/-149.109 χ^2/NDF:12.8/15

+ sign -671.483+/-132.765 χ^2/NDF: 77.6/33

All: -391.393+/-95.453 χ^2/NDF: 115.0/68

- sign -91.698+/-137.333 χ^2/NDF: 28.2/34



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 530.524+/-0.101 χ^2/NDF:1038746.0/17

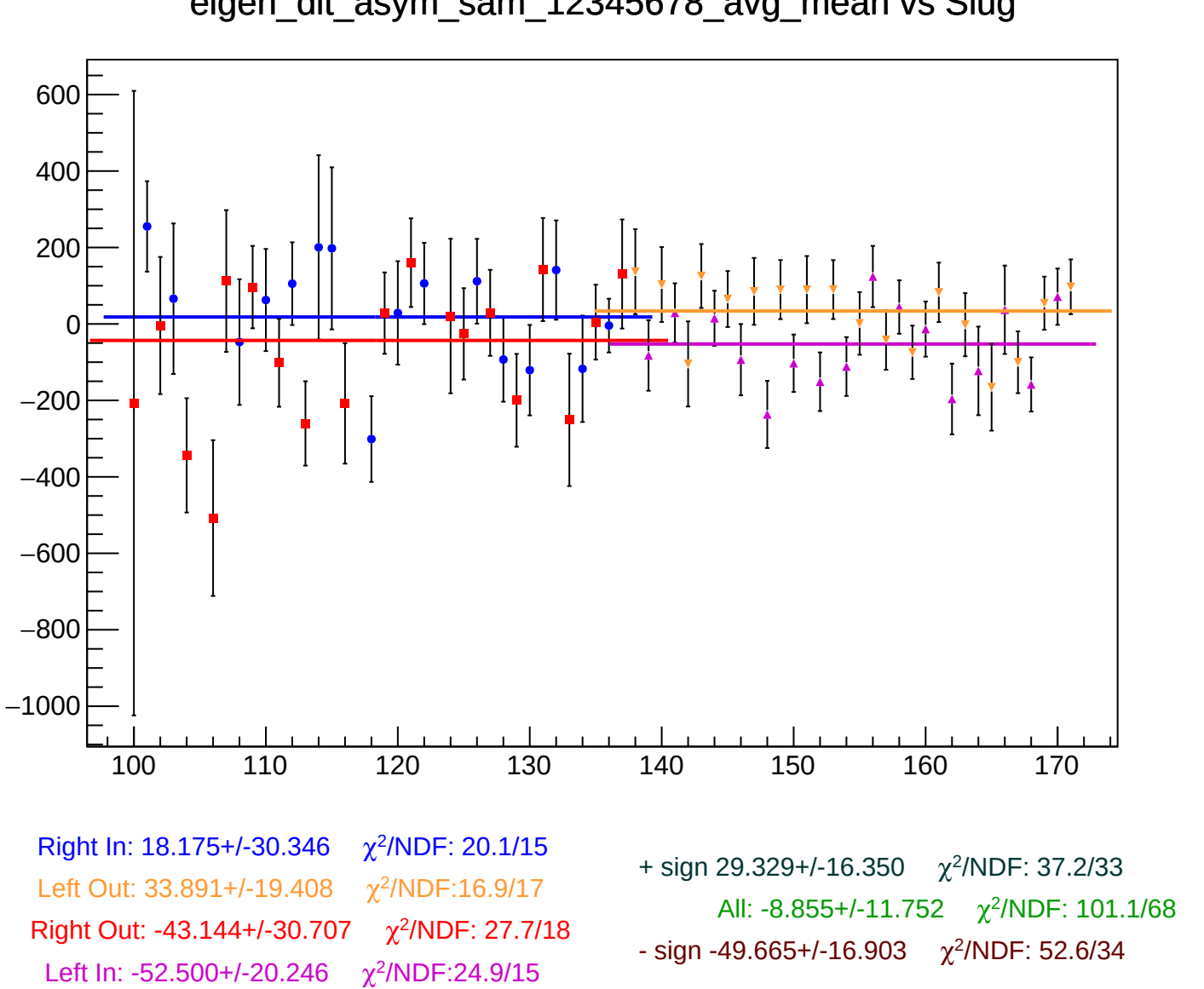
Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 531.483+/-0.105 χ^2/NDF:828067.1/15

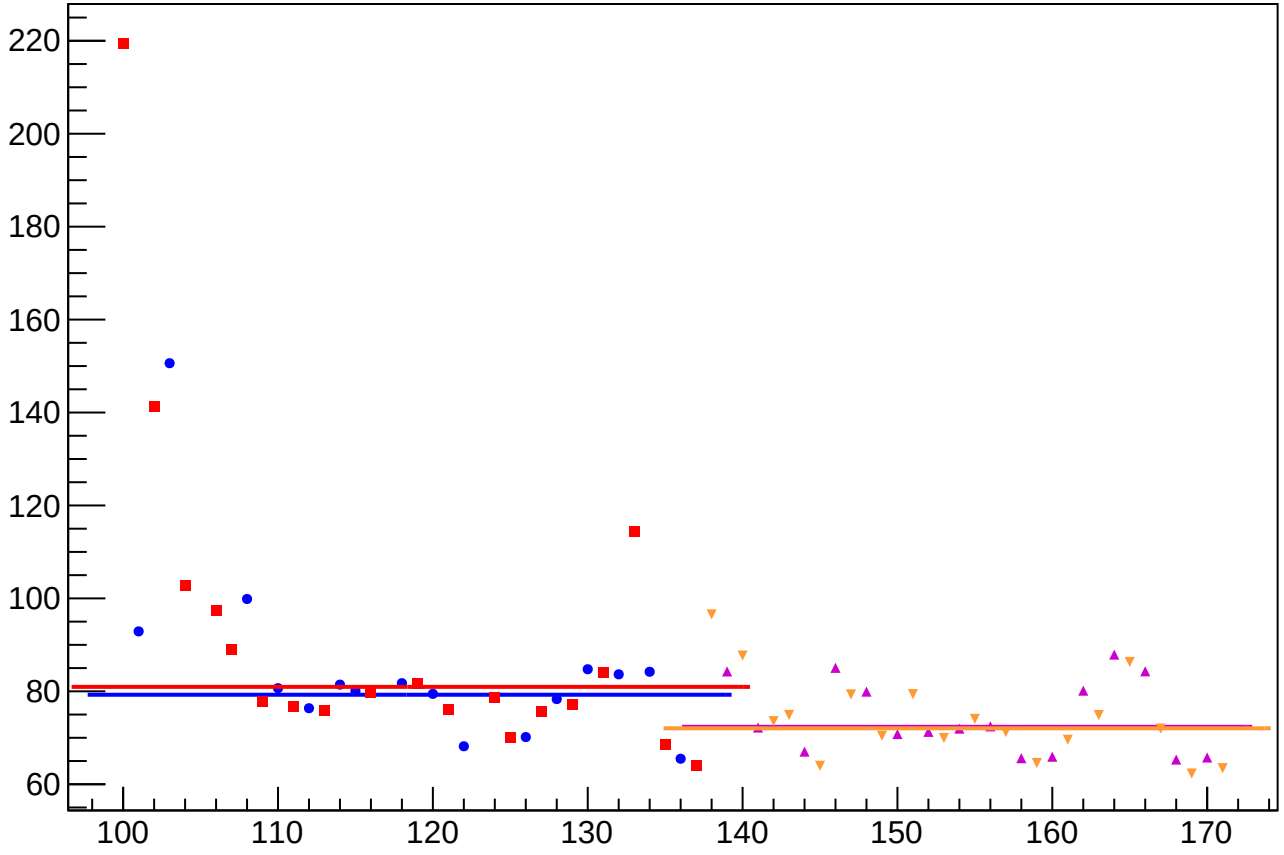
+ sign 586.489+/-0.094 χ^2/NDF: 3669744.3/33

All: 590.391+/-0.067 χ^2/NDF: 7286426.2/68

- sign 594.567+/-0.097 χ^2/NDF: 3613105.3/34


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
170
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 33.891+/-19.408 χ²/NDF:16.9/17
Right Out: -43.144+/-30.707 χ²/NDF: 27.7/18
Left In: -52.500+/-20.246 χ²/NDF:24.9/15
+ sign 29.329+/-16.350 χ²/NDF: 37.2/33
All: -8.855+/-11.752 χ²/NDF: 101.1/68
- sign -49.665+/-16.903 χ²/NDF: 52.6/34

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.035+/-0.014 χ^2/NDF:333980.1/17

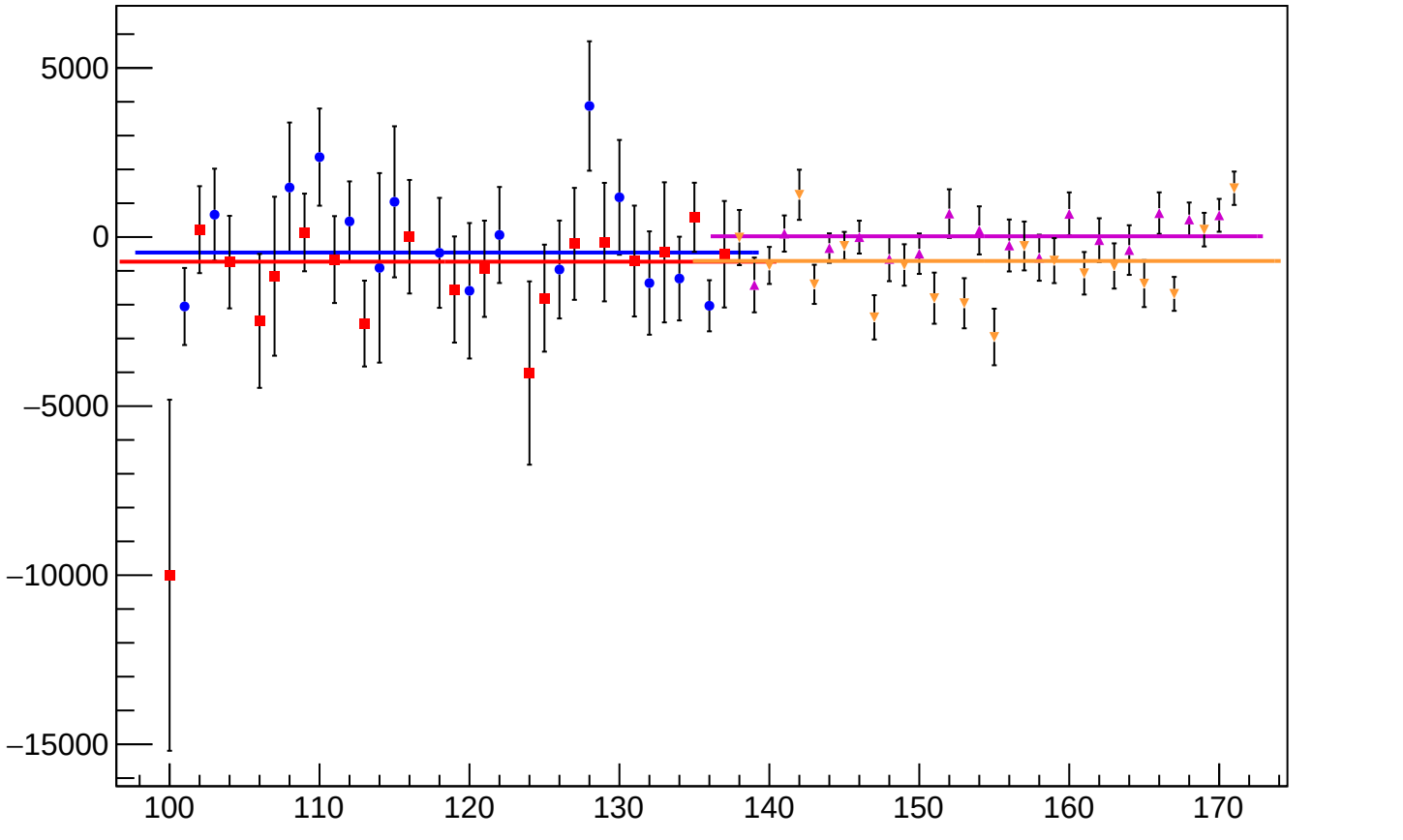
Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.363+/-0.014 χ^2/NDF:239473.2/15

+ sign 74.133+/-0.012 χ^2/NDF: 859460.8/33

All: 74.536+/-0.008 χ^2/NDF: 1724869.7/68

- sign 74.967+/-0.012 χ^2/NDF: 862892.3/34



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -707.326+/-143.483 χ^2/NDF:56.9/17

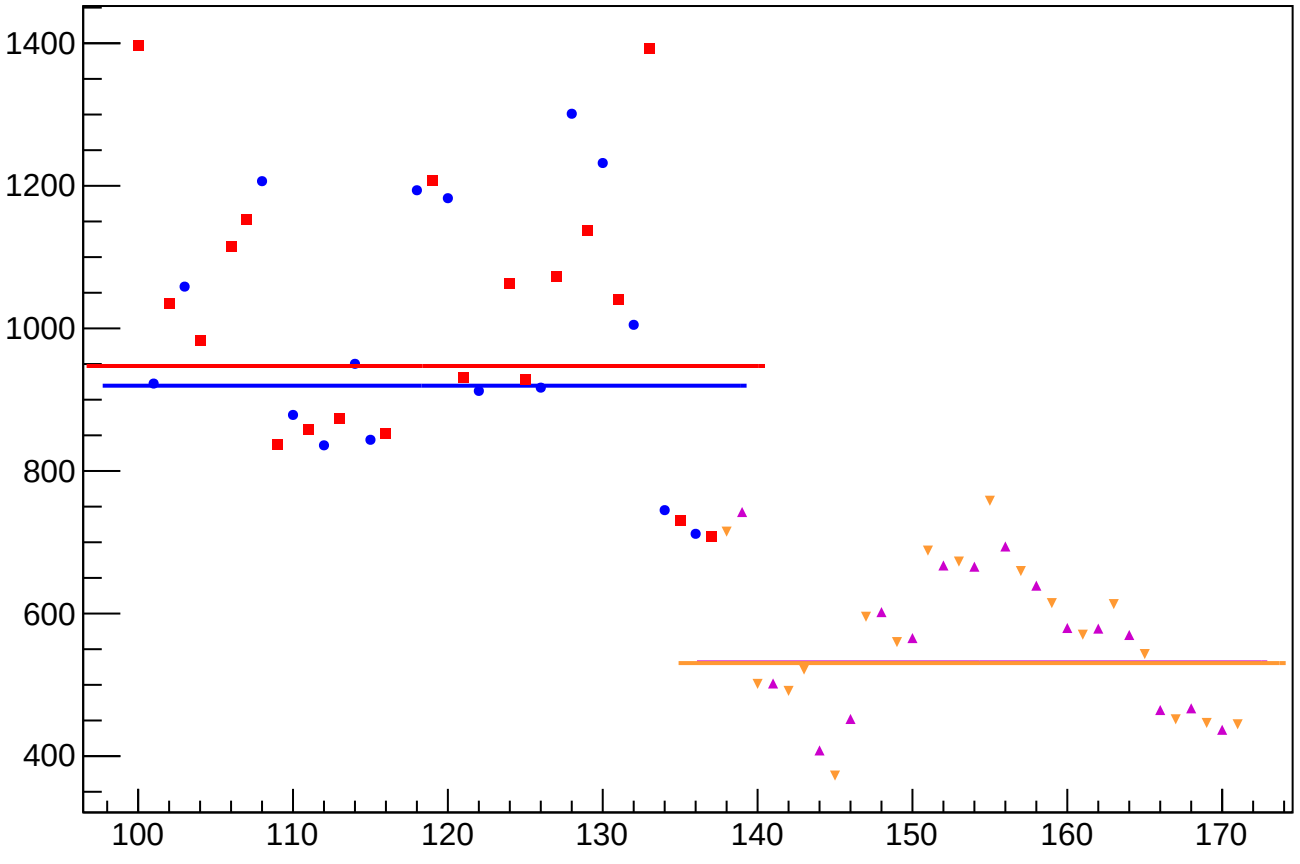
Right Out: -728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 22.244+/-149.109 χ^2/NDF:12.8/15

+ sign -671.481+/-132.764 χ^2/NDF: 77.6/33

All: -391.392+/-95.453 χ^2/NDF: 115.0/68

- sign -91.697+/-137.332 χ^2/NDF: 28.2/34



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 530.523+/-0.101 χ^2/NDF:1038752.6/17

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

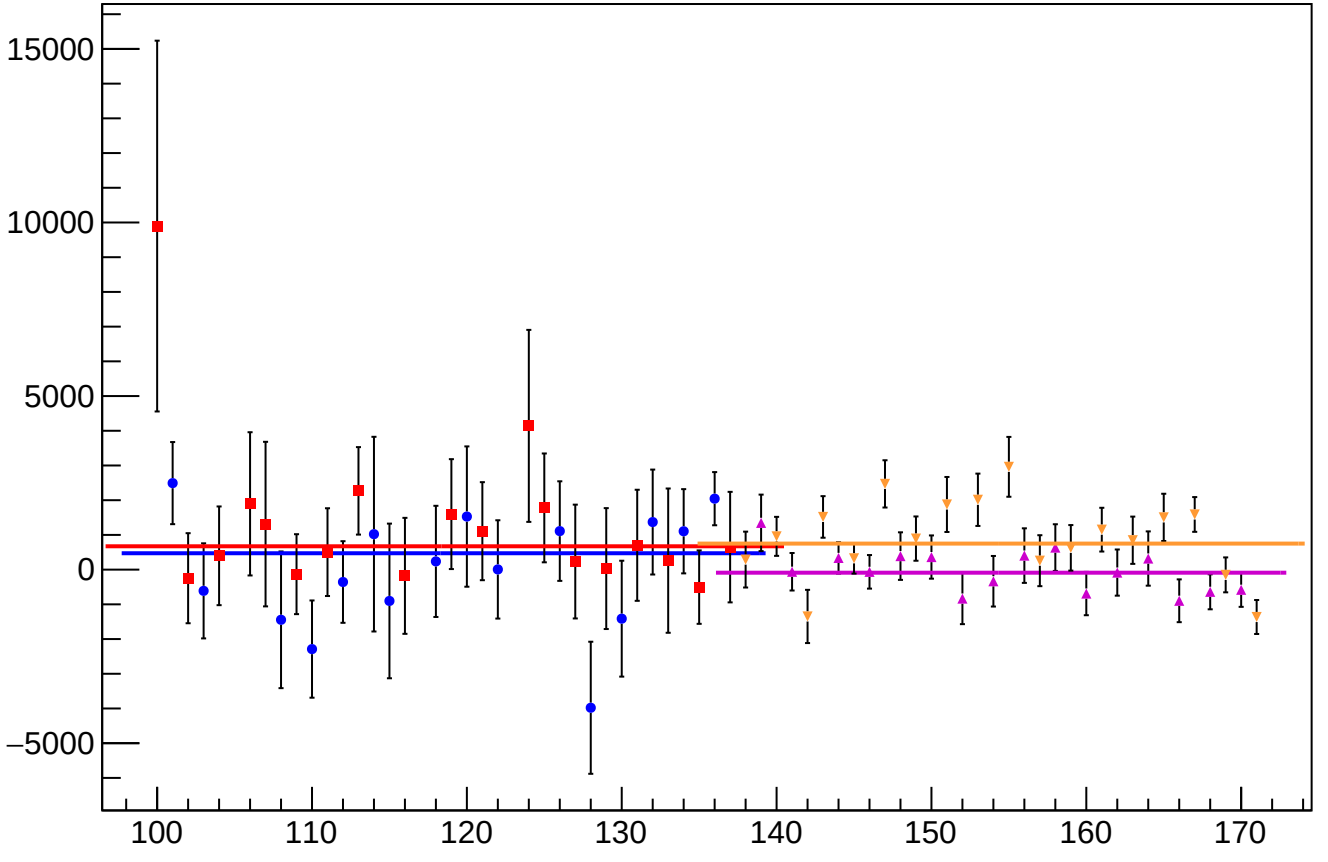
Left In: 531.482+/-0.105 χ^2/NDF:828068.7/15

+ sign 586.488+/-0.094 χ^2/NDF: 3669749.6/33

All: 590.390+/-0.067 χ^2/NDF: 7286430.3/68

- sign 594.566+/-0.097 χ^2/NDF: 3613104.0/34

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 750.002+/-146.154 χ^2/NDF:55.2/17

Right Out: 672.537+/-354.512 χ^2/NDF: 10.3/18

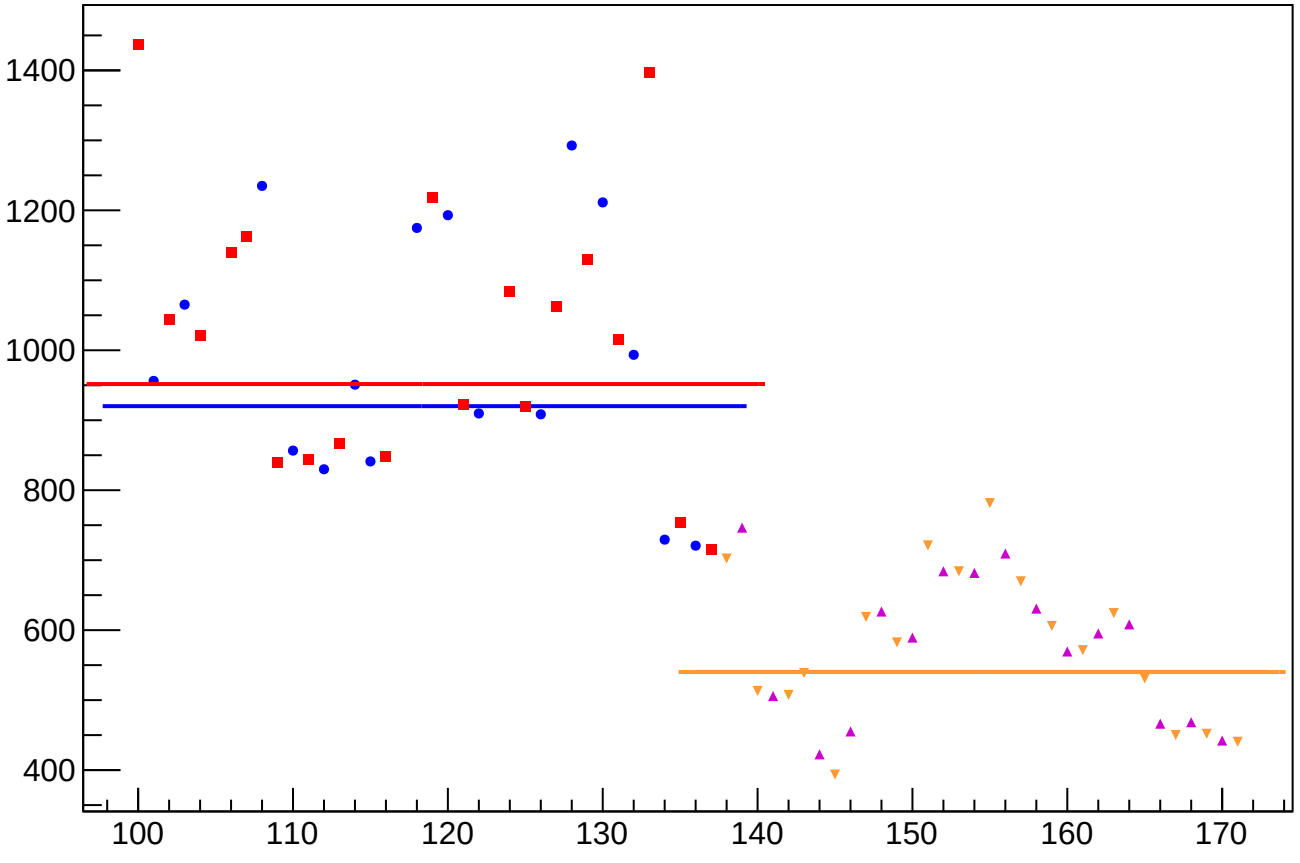
Left In: -88.434+/-151.546 χ^2/NDF:12.8/15

+ sign 708.801+/-134.889 χ^2/NDF: 77.2/33

All: 380.017+/-96.919 χ^2/NDF: 116.5/68

- sign 29.138+/-139.348 χ^2/NDF: 27.0/34

asym_sam_12345678_avg_rms vs Slug



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 540.123+/-0.103 χ^2/NDF:1008394.2/17

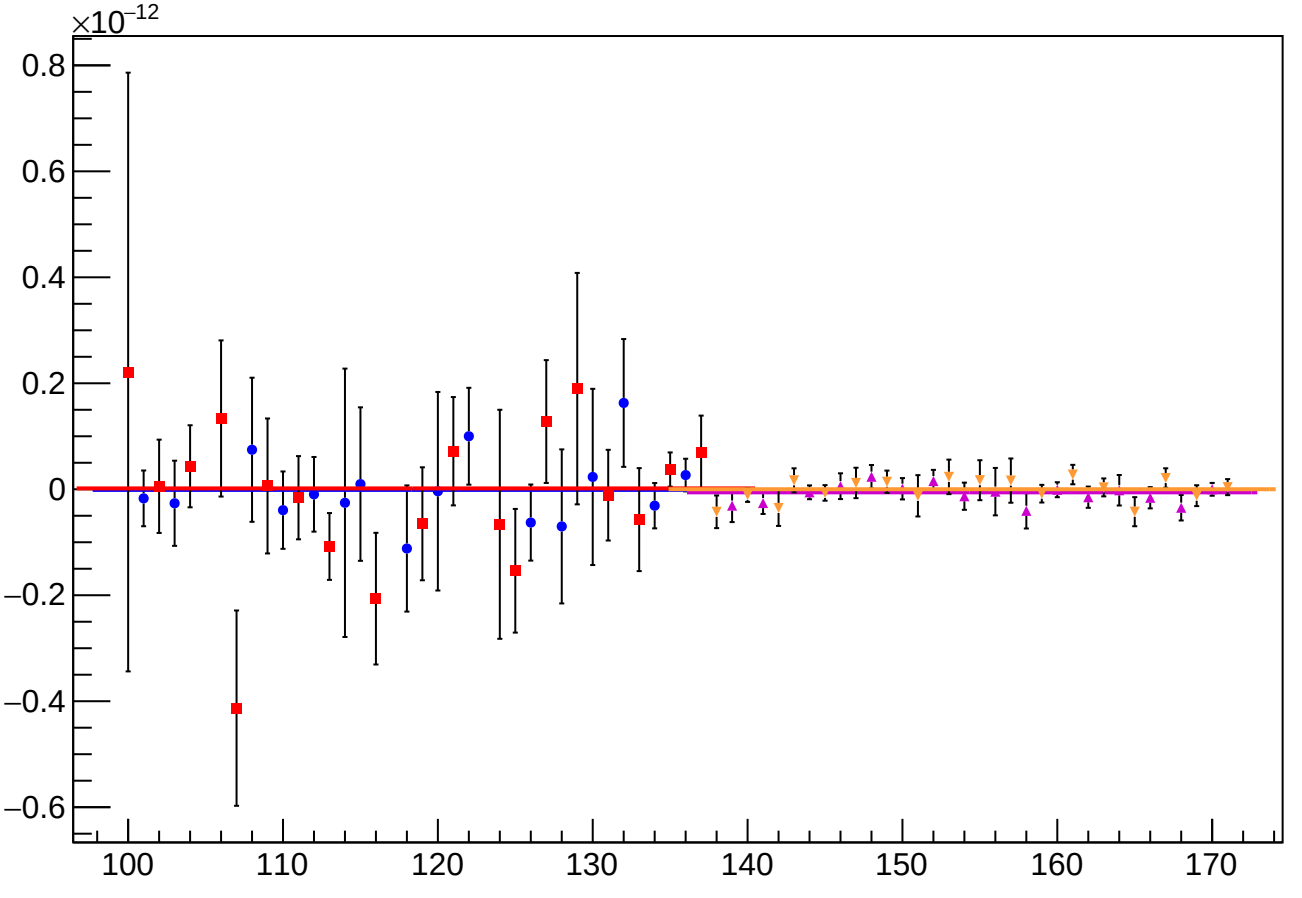
Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 540.245+/-0.107 χ^2/NDF:841248.6/15

+ sign 596.444+/-0.095 χ^2/NDF: 3520921.5/33

All: 600.012+/-0.069 χ^2/NDF: 7059314.3/68

- sign 603.820+/-0.099 χ^2/NDF: 3535500.1/34



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/17

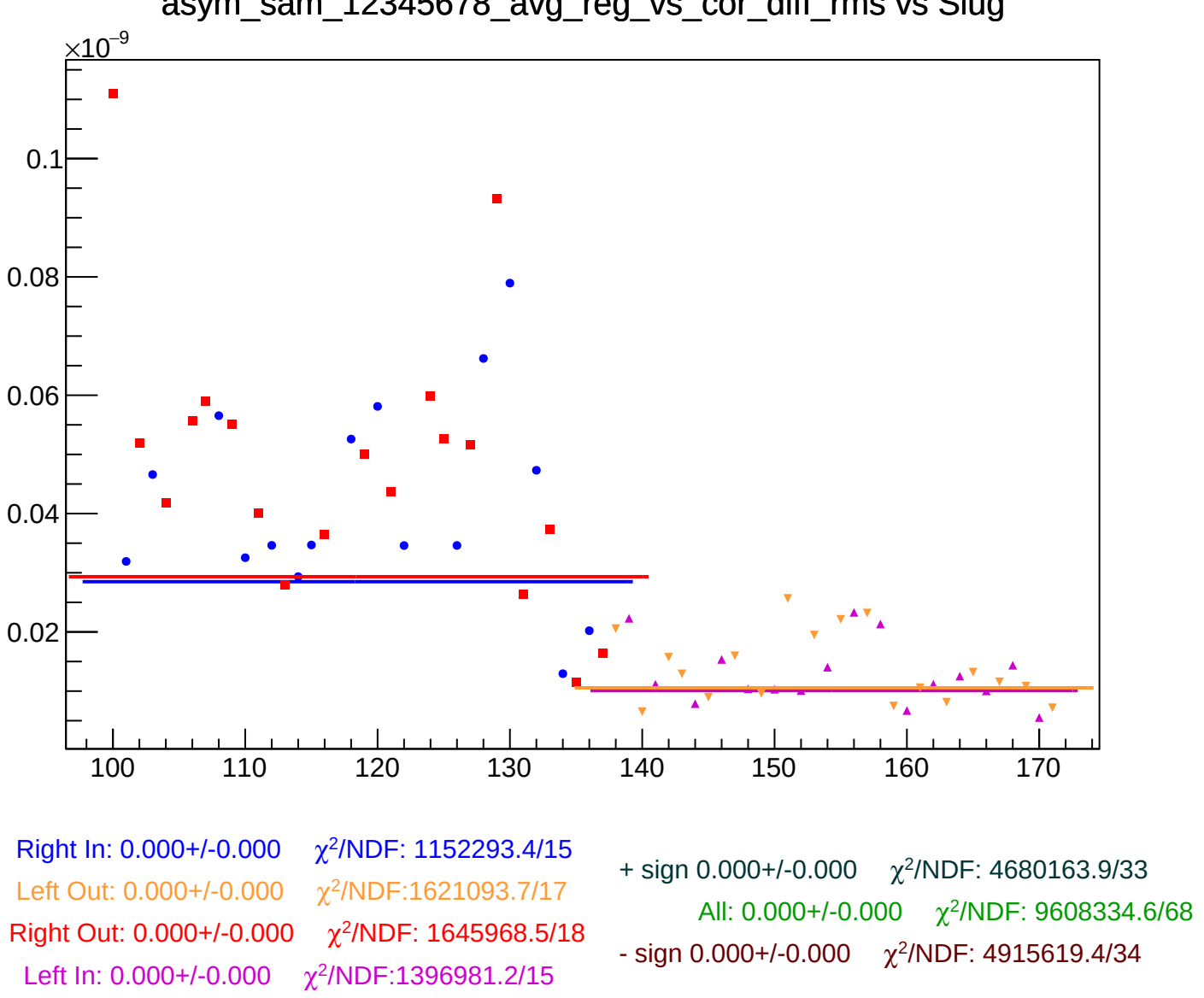
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/18

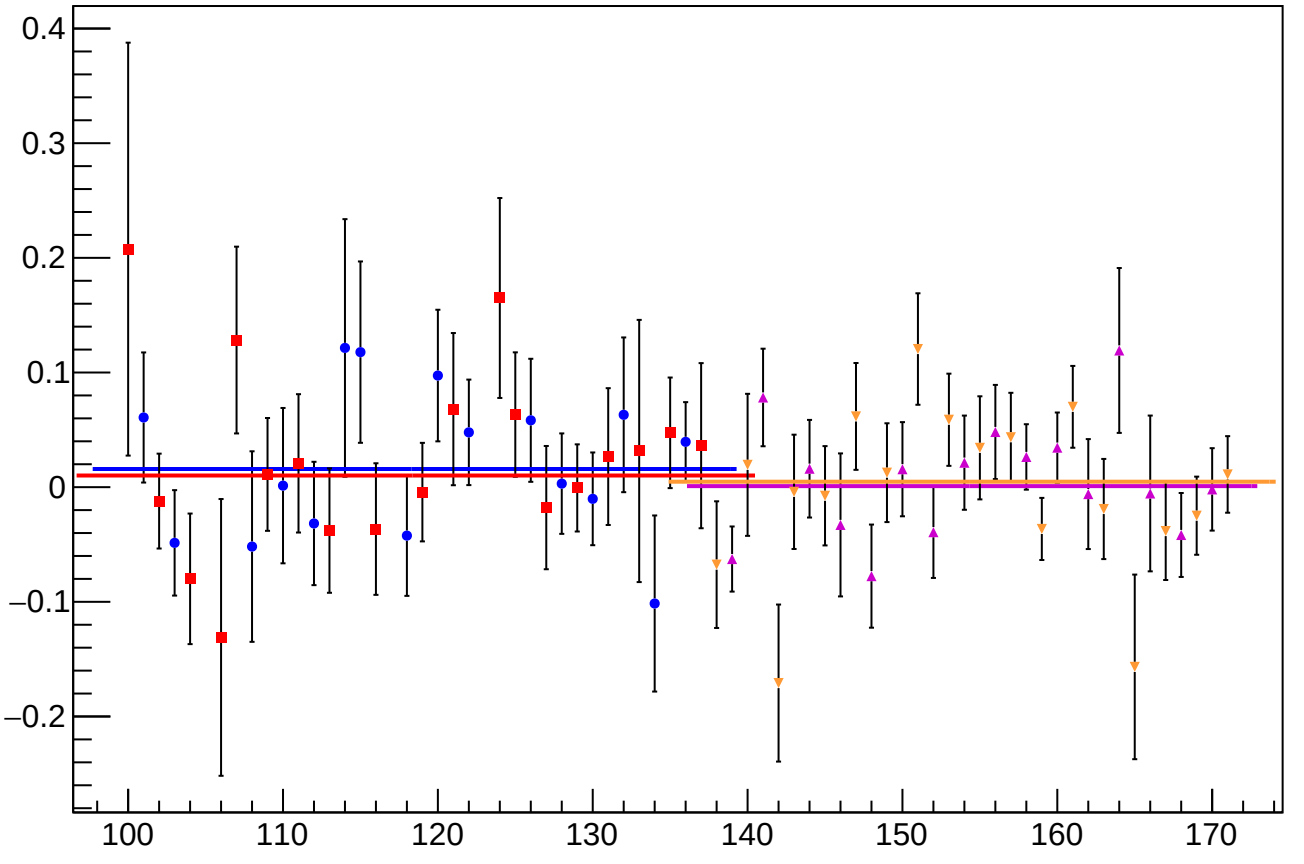
Left In: -0.000+/-0.000 χ^2/NDF:8.2/15

+ sign -0.000+/-0.000 χ^2/NDF: 19.8/33

All: -0.000+/-0.000 χ^2/NDF: 48.2/68

- sign -0.000+/-0.000 χ^2/NDF: 27.8/34


asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1152293.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1621093.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 1645968.5/18
Left In: 0.000+/-0.000 χ²/NDF:1396981.2/15
+ sign 0.000+/-0.000 χ²/NDF: 4680163.9/33
All: 0.000+/-0.000 χ²/NDF: 9608334.6/68
- sign 0.000+/-0.000 χ²/NDF: 4915619.4/34



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/17

Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

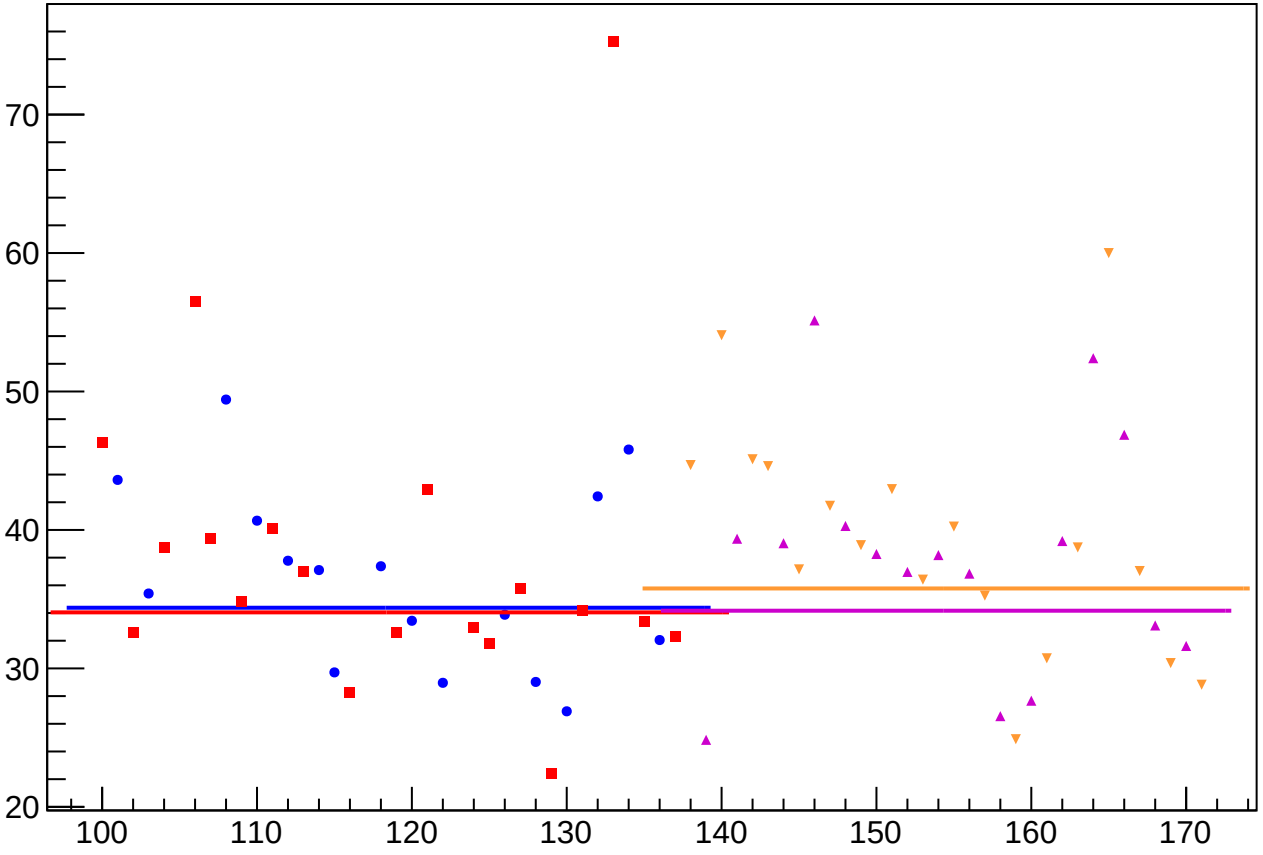
Left In: 0.001+/-0.010 χ^2/NDF:20.6/15

+ sign 0.009+/-0.008 χ^2/NDF: 45.9/33

All: 0.006+/-0.006 χ^2/NDF: 82.1/68

- sign 0.004+/-0.008 χ^2/NDF: 36.0/34

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127643.3/17

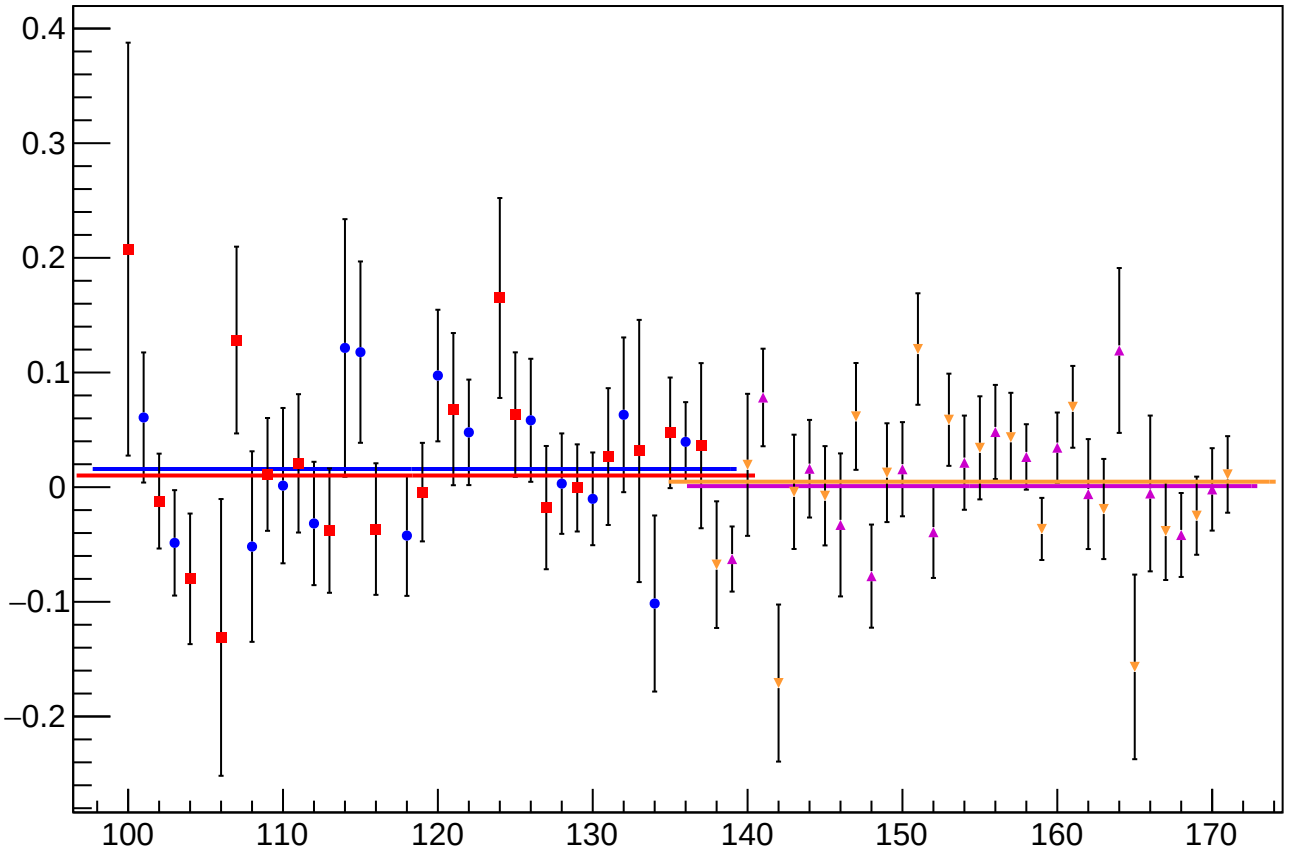
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.167+/-0.007 χ^2/NDF:1057194.1/15

+ sign 35.278+/-0.006 χ^2/NDF: 1509436.1/33

All: 34.696+/-0.004 χ^2/NDF: 3230441.7/68

- sign 34.124+/-0.006 χ^2/NDF: 1699996.4/34



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/17

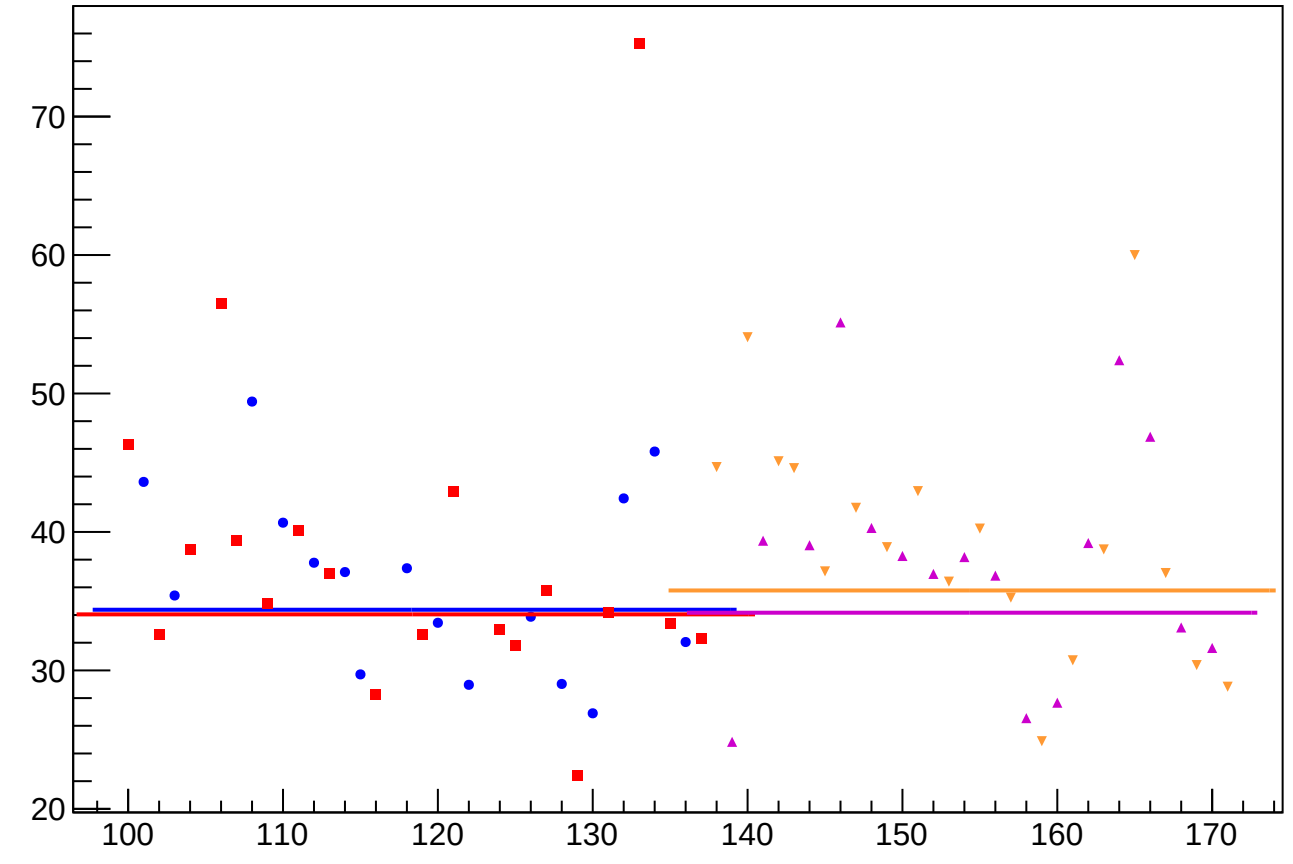
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.010 χ^2/NDF:20.6/15

+ sign 0.009+/-0.008 χ^2/NDF: 45.9/33

All: 0.006+/-0.006 χ^2/NDF: 82.1/68

- sign 0.004+/-0.008 χ^2/NDF: 36.0/34



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127643.3/17

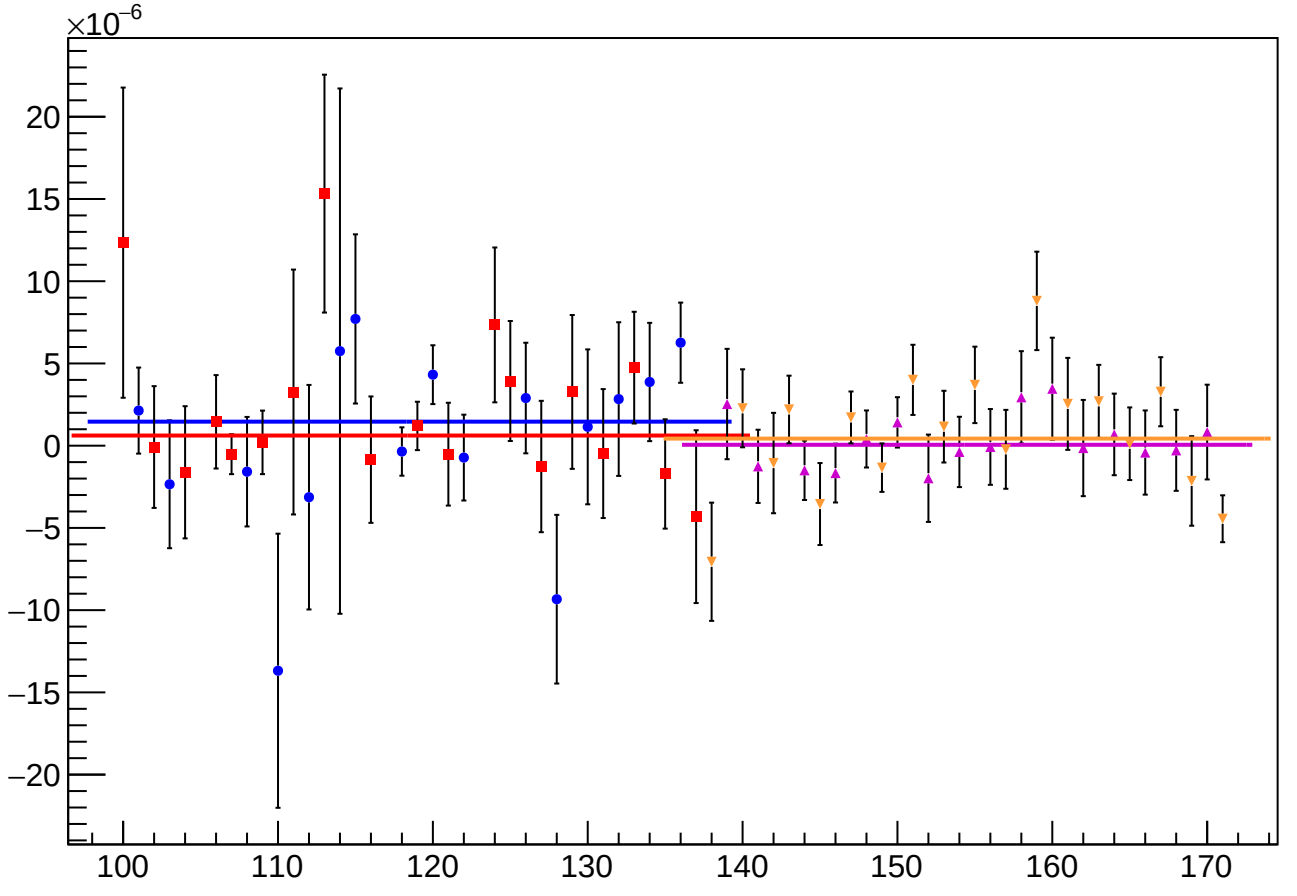
Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.167+/-0.007 χ^2/NDF:1057194.1/15

+ sign 35.278+/-0.006 χ^2/NDF: 1509436.1/33

All: 34.696+/-0.004 χ^2/NDF: 3230441.7/68

- sign 34.124+/-0.006 χ^2/NDF: 1699996.4/34



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/17

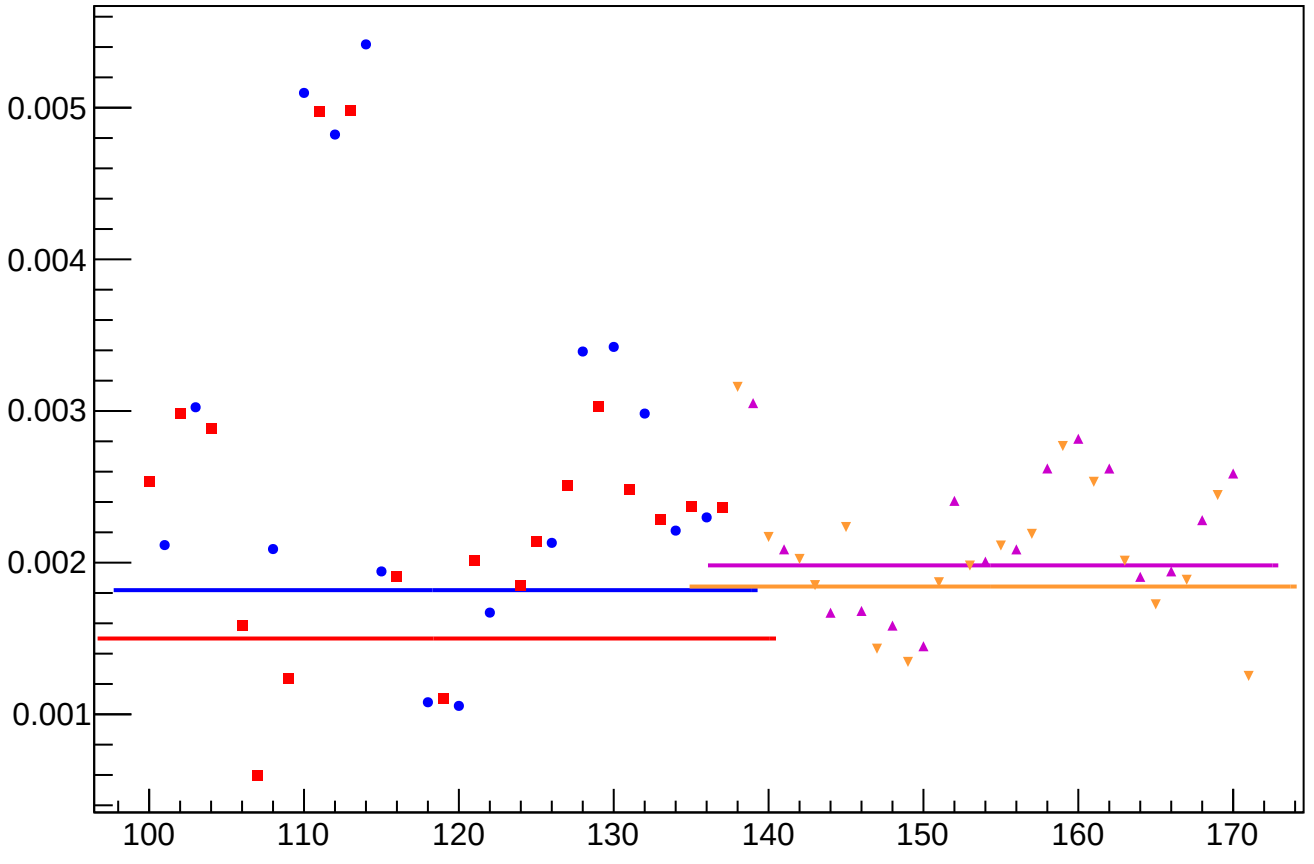
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/15

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/33

All: 0.000+/-0.000 χ^2/NDF: 83.1/68

- sign 0.000+/-0.000 χ^2/NDF: 20.8/34



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1575607.8/17

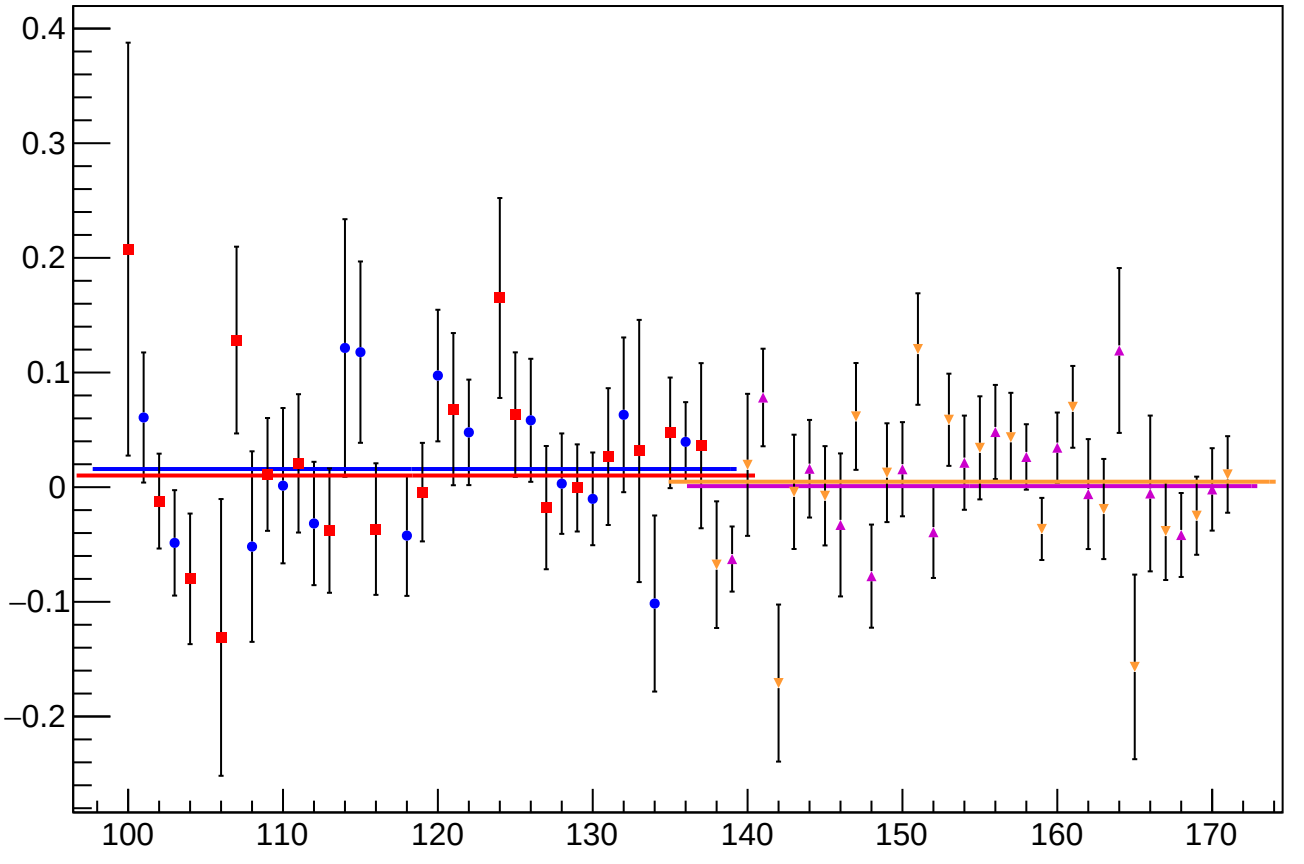
Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1191425.2/15

+ sign 0.002+/-0.000 χ^2/NDF: 4147245.8/33

All: 0.002+/-0.000 χ^2/NDF: 9682730.9/68

- sign 0.002+/-0.000 χ^2/NDF: 5514742.2/34



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/17

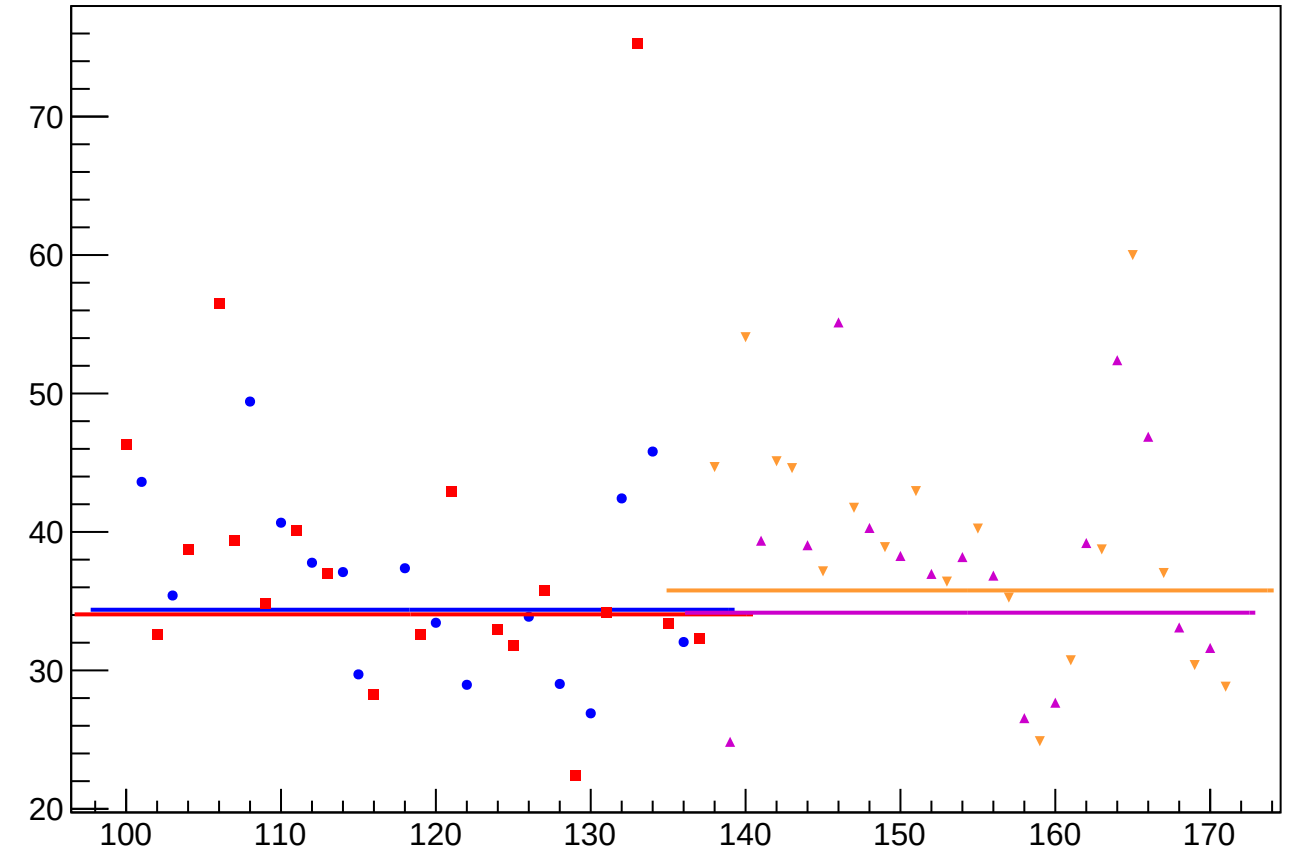
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.010 χ^2/NDF:20.6/15

+ sign 0.009+/-0.008 χ^2/NDF: 45.9/33

All: 0.006+/-0.006 χ^2/NDF: 82.1/68

- sign 0.004+/-0.008 χ^2/NDF: 36.0/34



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127706.6/17

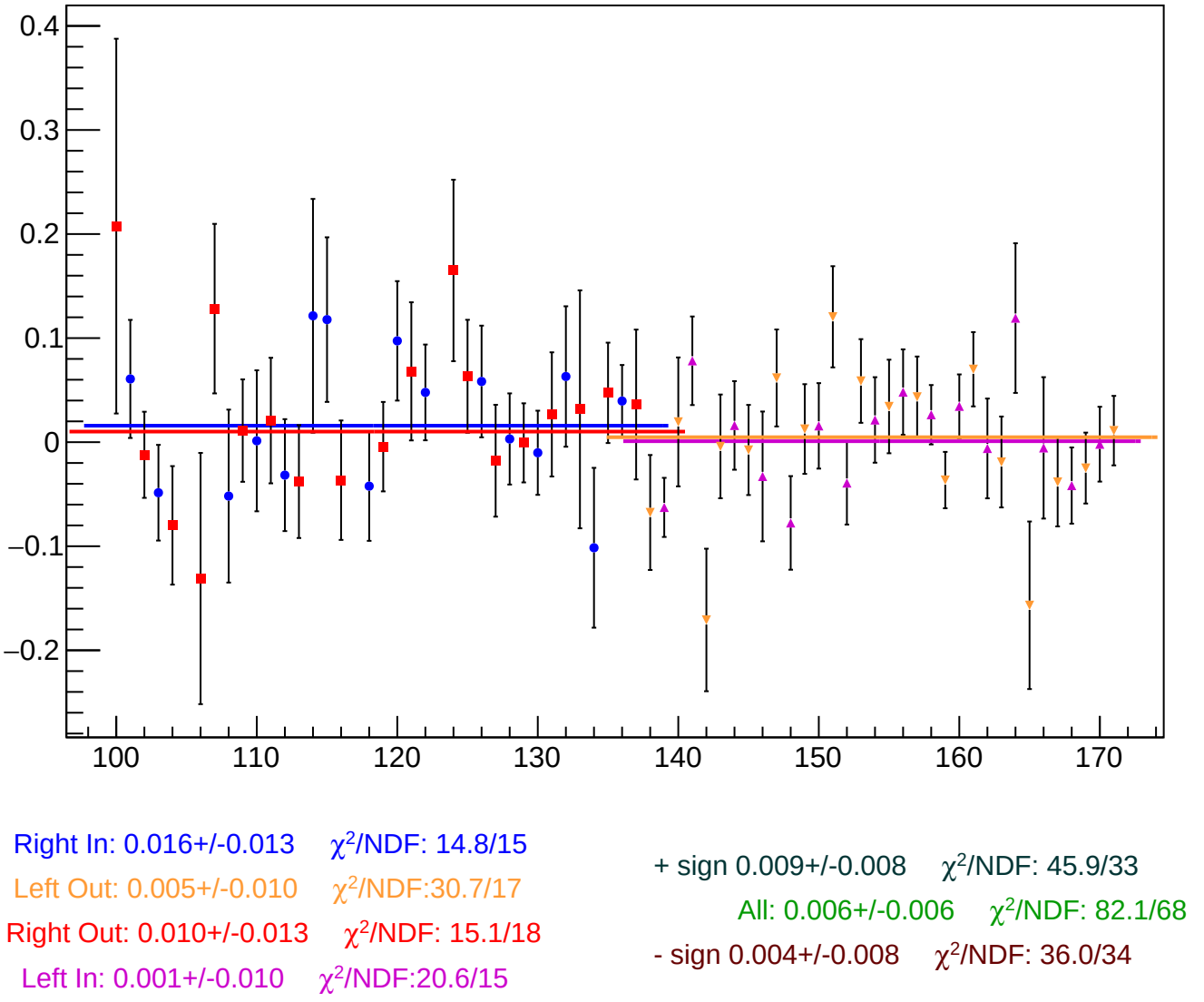
Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

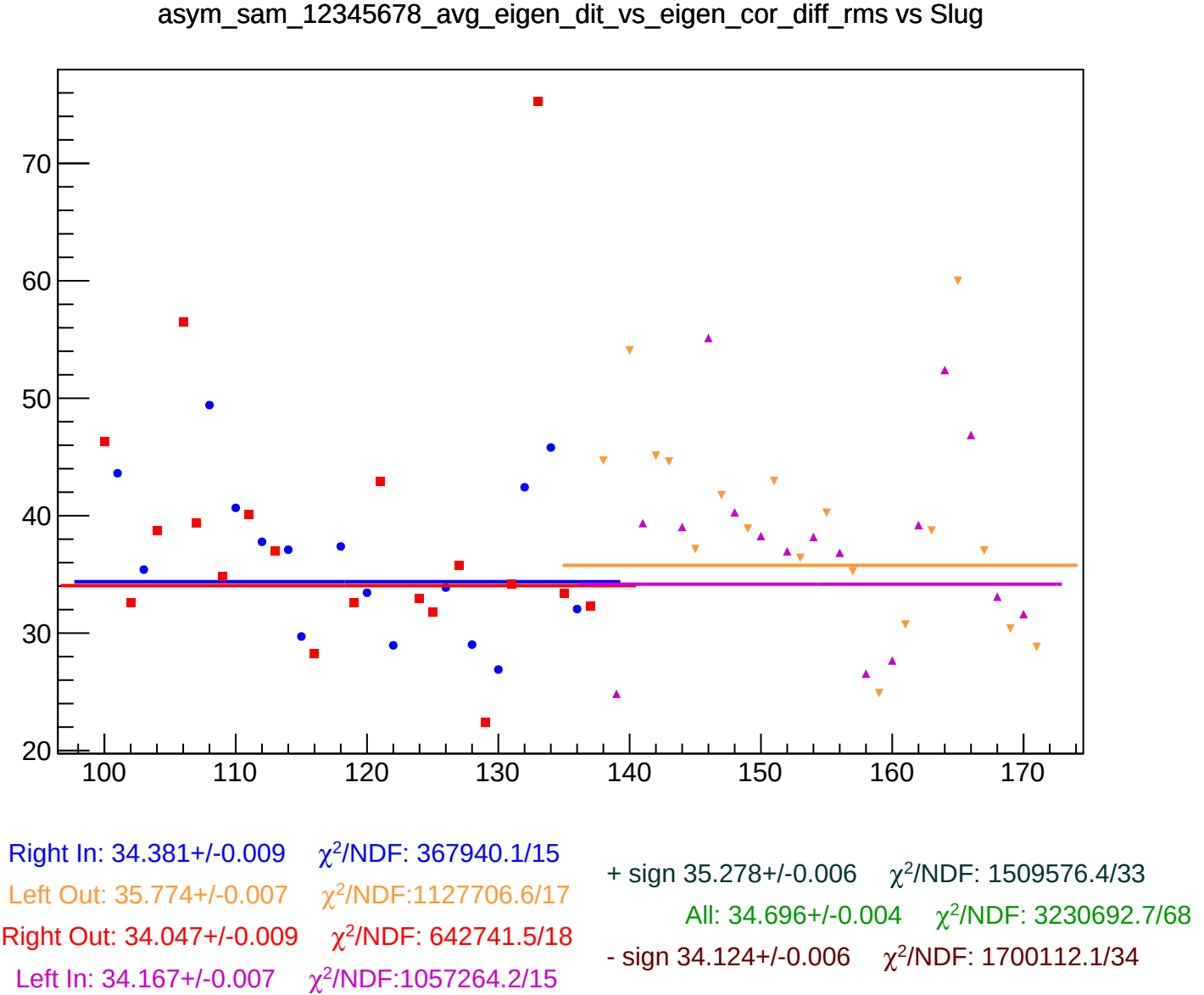
Left In: 34.167+/-0.007 χ^2/NDF:1057264.2/15

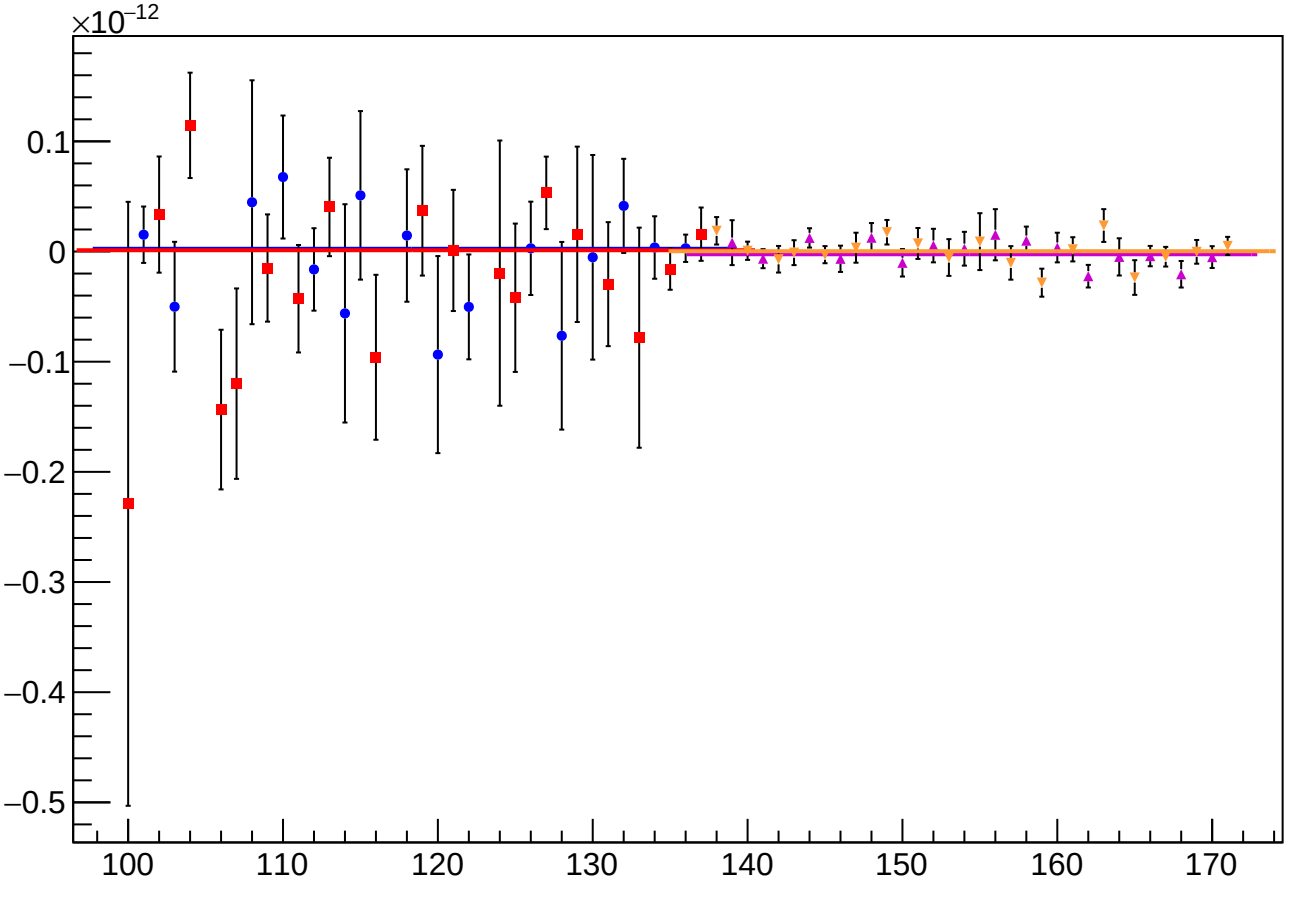
+ sign 35.278+/-0.006 χ^2/NDF: 1509576.4/33

All: 34.696+/-0.004 χ^2/NDF: 3230692.7/68

- sign 34.124+/-0.006 χ^2/NDF: 1700112.1/34


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.005+/-0.010 χ²/NDF:30.7/17
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.001+/-0.010 χ²/NDF:20.6/15
+ sign 0.009+/-0.008 χ²/NDF: 45.9/33
All: 0.006+/-0.006 χ²/NDF: 82.1/68
- sign 0.004+/-0.008 χ²/NDF: 36.0/34


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
170
Right In: 34.381+/-0.009 χ²/NDF: 367940.1/15
Left Out: 35.774+/-0.007 χ²/NDF:1127706.6/17
Right Out: 34.047+/-0.009 χ²/NDF: 642741.5/18
Left In: 34.167+/-0.007 χ²/NDF:1057264.2/15
+ sign 35.278+/-0.006 χ²/NDF: 1509576.4/33
All: 34.696+/-0.004 χ²/NDF: 3230692.7/68
- sign 34.124+/-0.006 χ²/NDF: 1700112.1/34



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/17

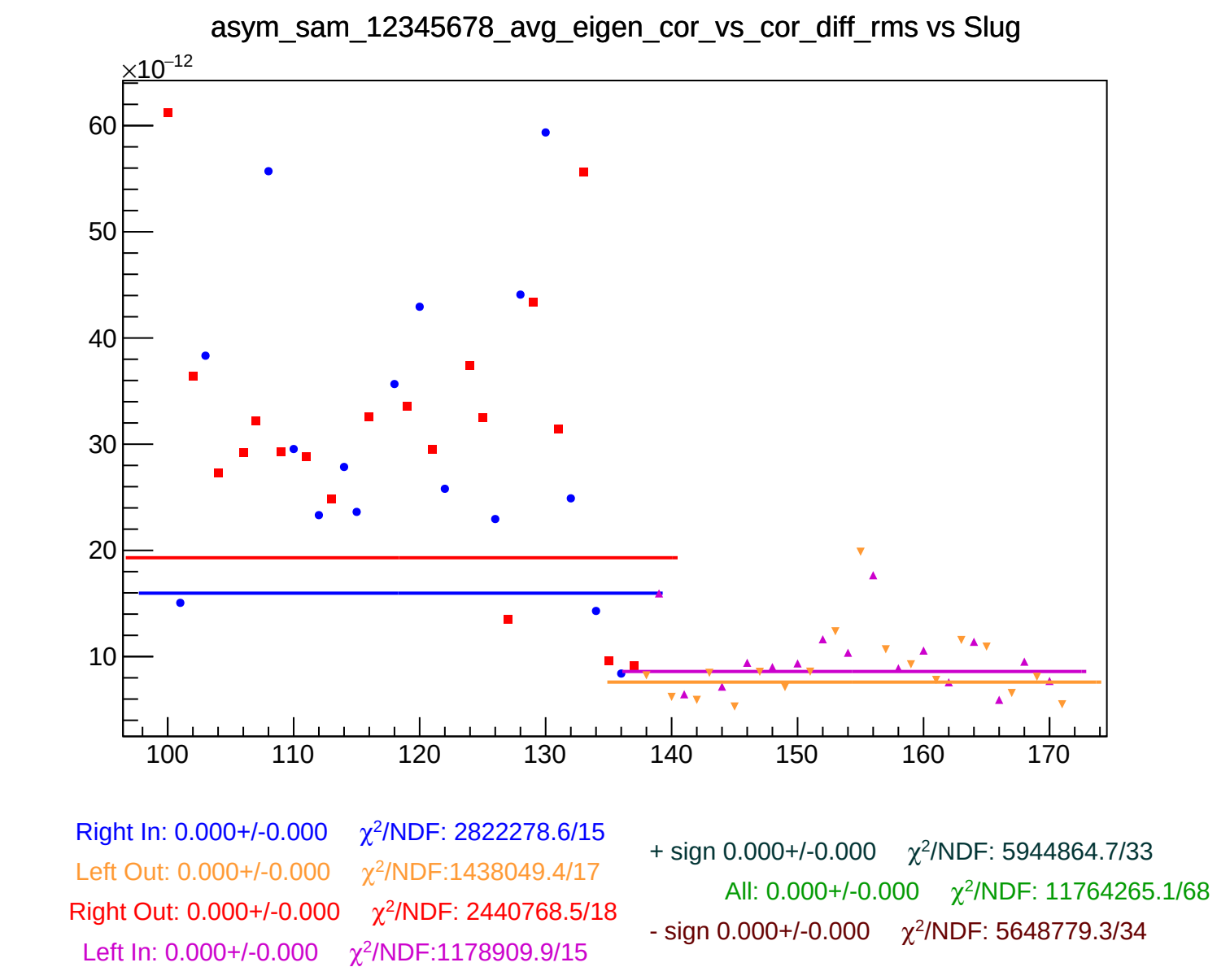
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/15

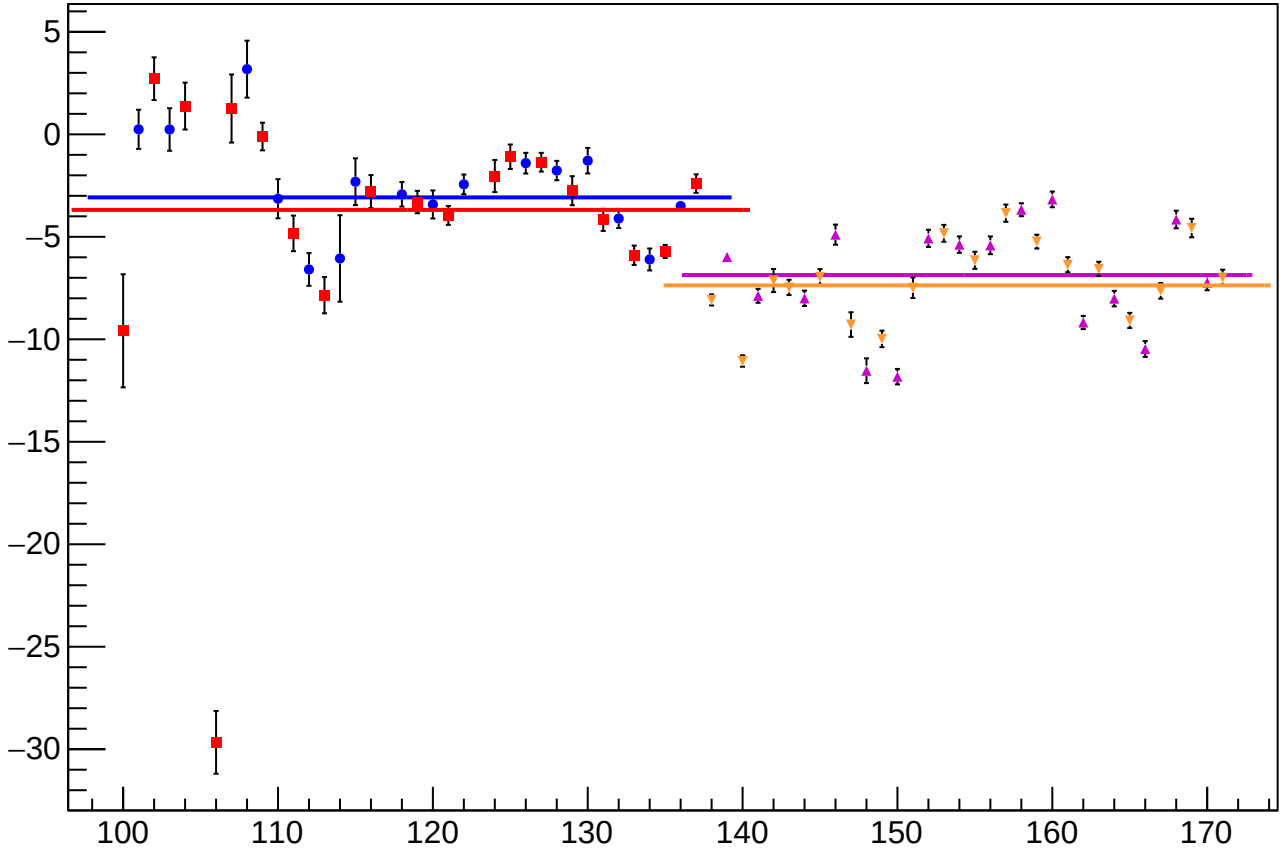
+ sign 0.000+/-0.000 χ^2/NDF: 24.4/33

All: -0.000+/-0.000 χ^2/NDF: 59.9/68

- sign -0.000+/-0.000 χ^2/NDF: 35.0/34


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1438049.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1178909.9/15
+ sign 0.000+/-0.000 χ²/NDF: 5944864.7/33
All: 0.000+/-0.000 χ²/NDF: 11764265.1/68
- sign 0.000+/-0.000 χ²/NDF: 5648779.3/34

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.369+/-0.090 χ^2/NDF:467.2/17

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

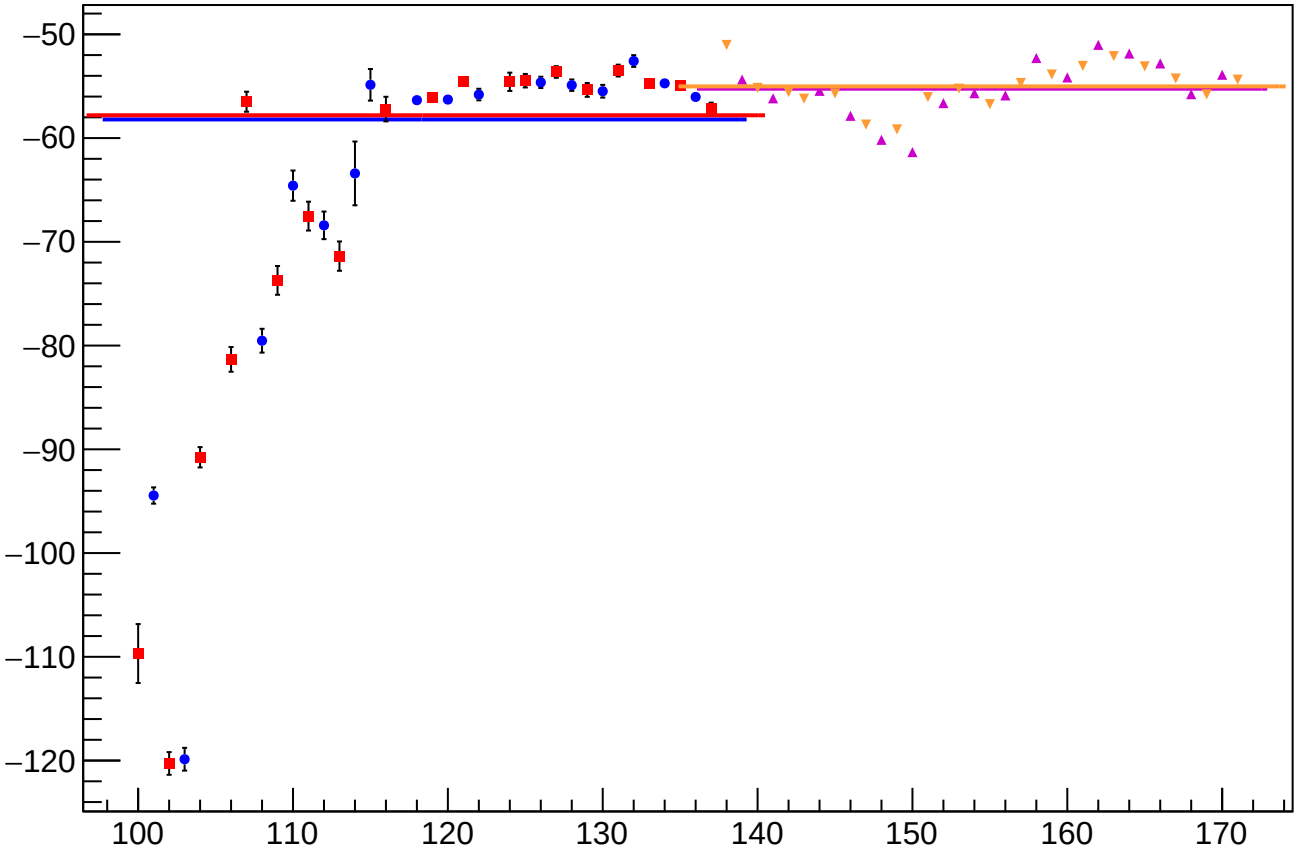
Left In: -6.864+/-0.092 χ^2/NDF:706.7/15

+ sign -6.055+/-0.075 χ^2/NDF: 1299.9/33

All: -5.981+/-0.054 χ^2/NDF: 2901.5/68

- sign -5.901+/-0.077 χ^2/NDF: 1599.5/34

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.017+/-0.066 χ^2/NDF:944.0/17

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

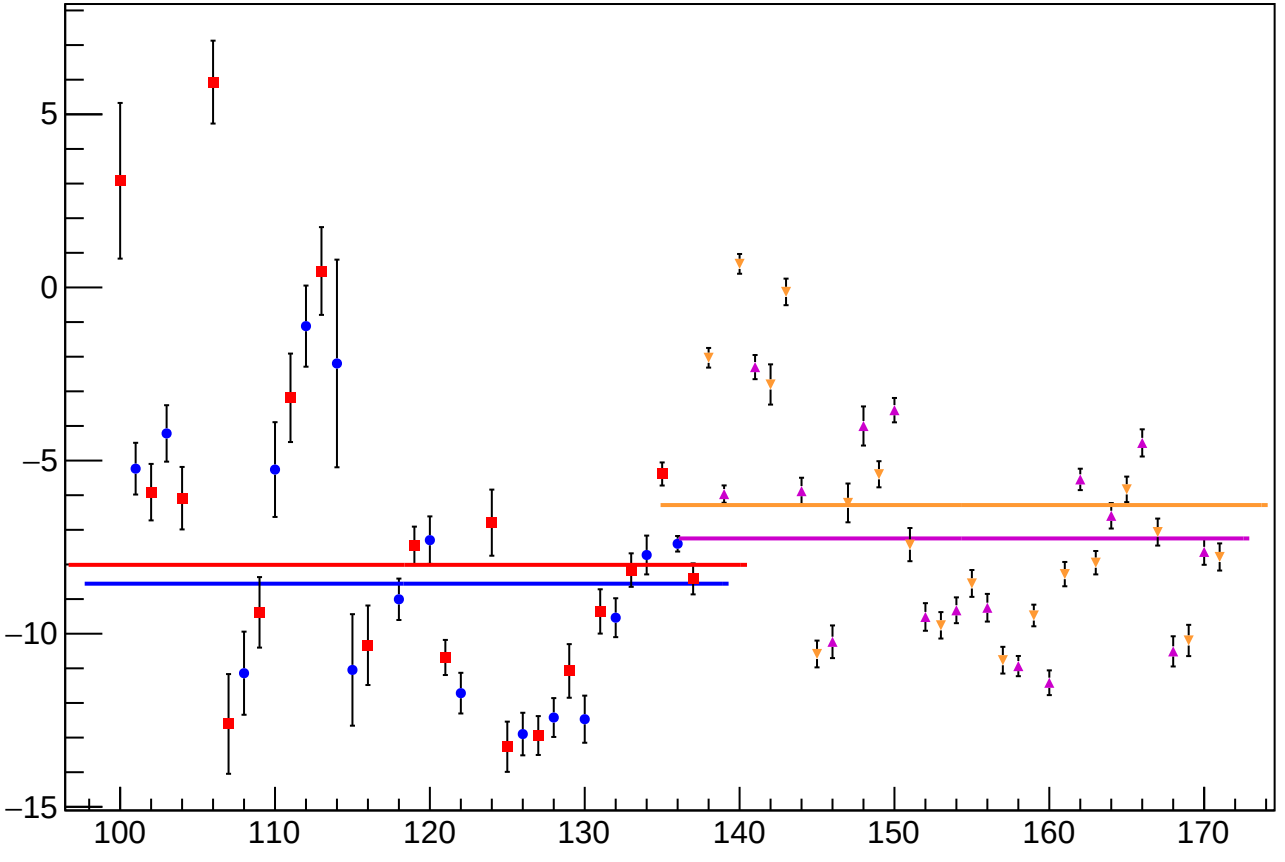
Left In: -55.242+/-0.070 χ^2/NDF:1682.9/15

+ sign -55.629+/-0.059 χ^2/NDF: 7517.5/33

All: -55.693+/-0.043 χ^2/NDF: 15268.2/68

- sign -55.762+/-0.062 χ^2/NDF: 7748.3/34

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.285+/-0.088 χ^2/NDF:1755.3/17

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

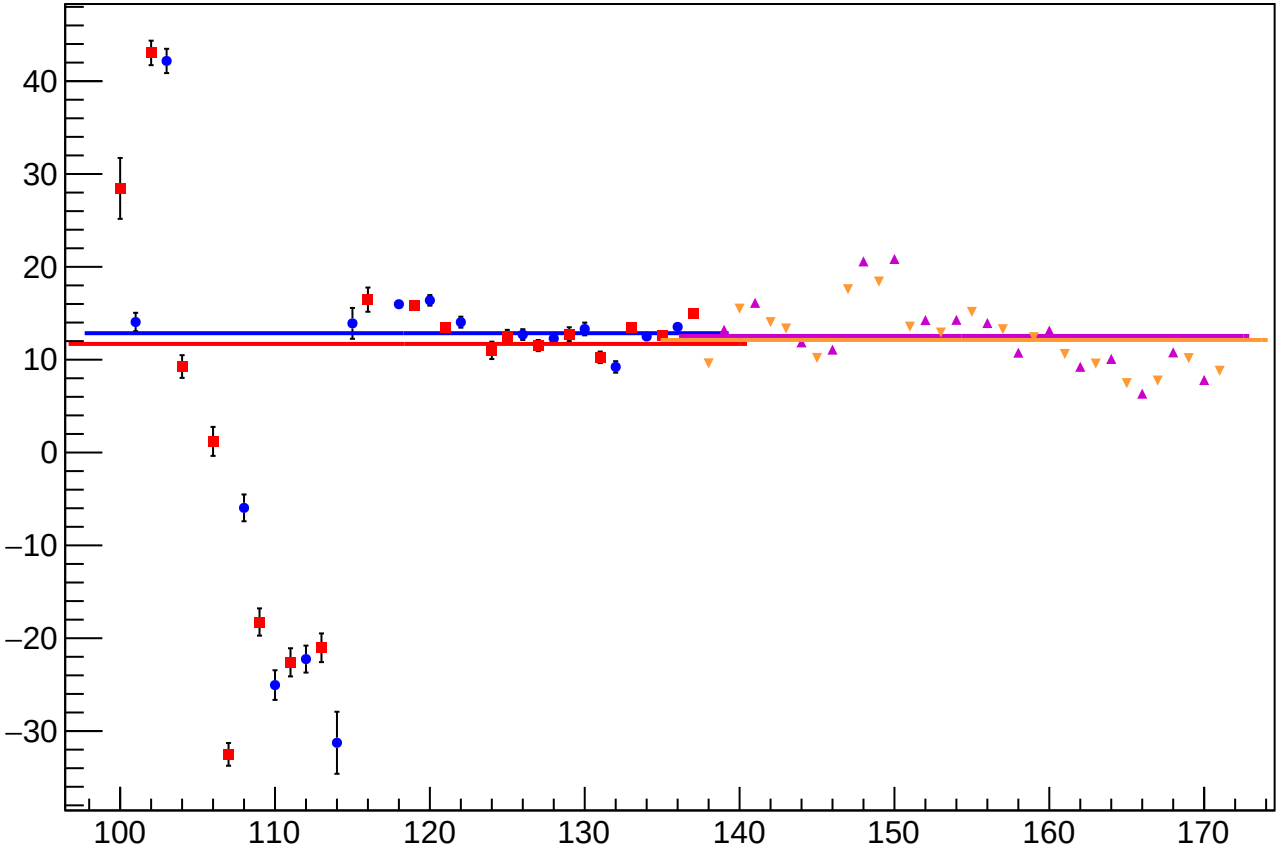
Left In: -7.249+/-0.090 χ^2/NDF:947.7/15

+ sign -6.900+/-0.075 χ^2/NDF: 2235.4/33

All: -7.165+/-0.054 χ^2/NDF: 3716.3/68

- sign -7.446+/-0.078 χ^2/NDF: 1455.5/34

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.126+/-0.075 χ^2/NDF:1641.1/17

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

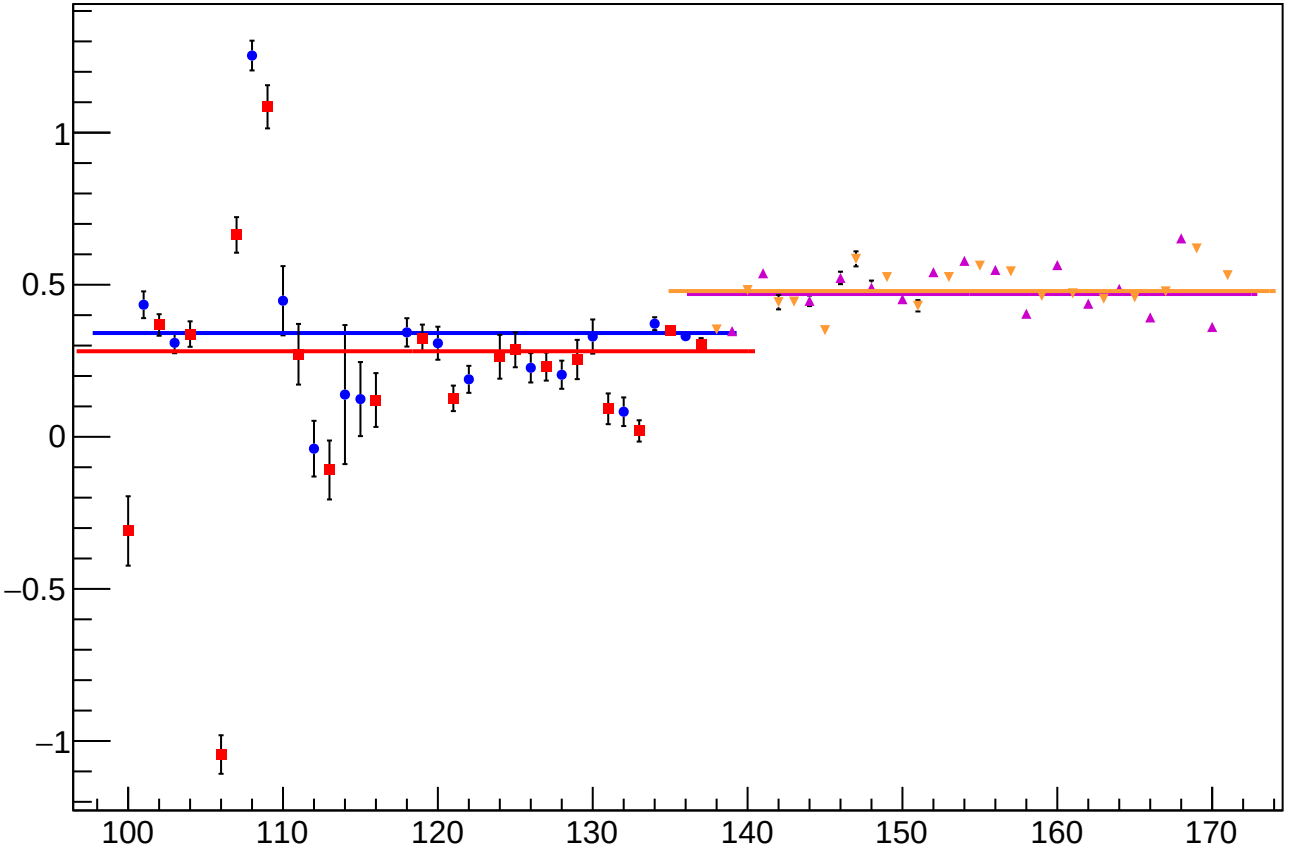
Left In: 12.555+/-0.078 χ^2/NDF:2325.2/15

+ sign 12.270+/-0.067 χ^2/NDF: 3788.3/33

All: 12.323+/-0.048 χ^2/NDF: 9637.9/68

- sign 12.381+/-0.070 χ^2/NDF: 5848.3/34

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.479+/-0.003 χ^2/NDF:427.2/17

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

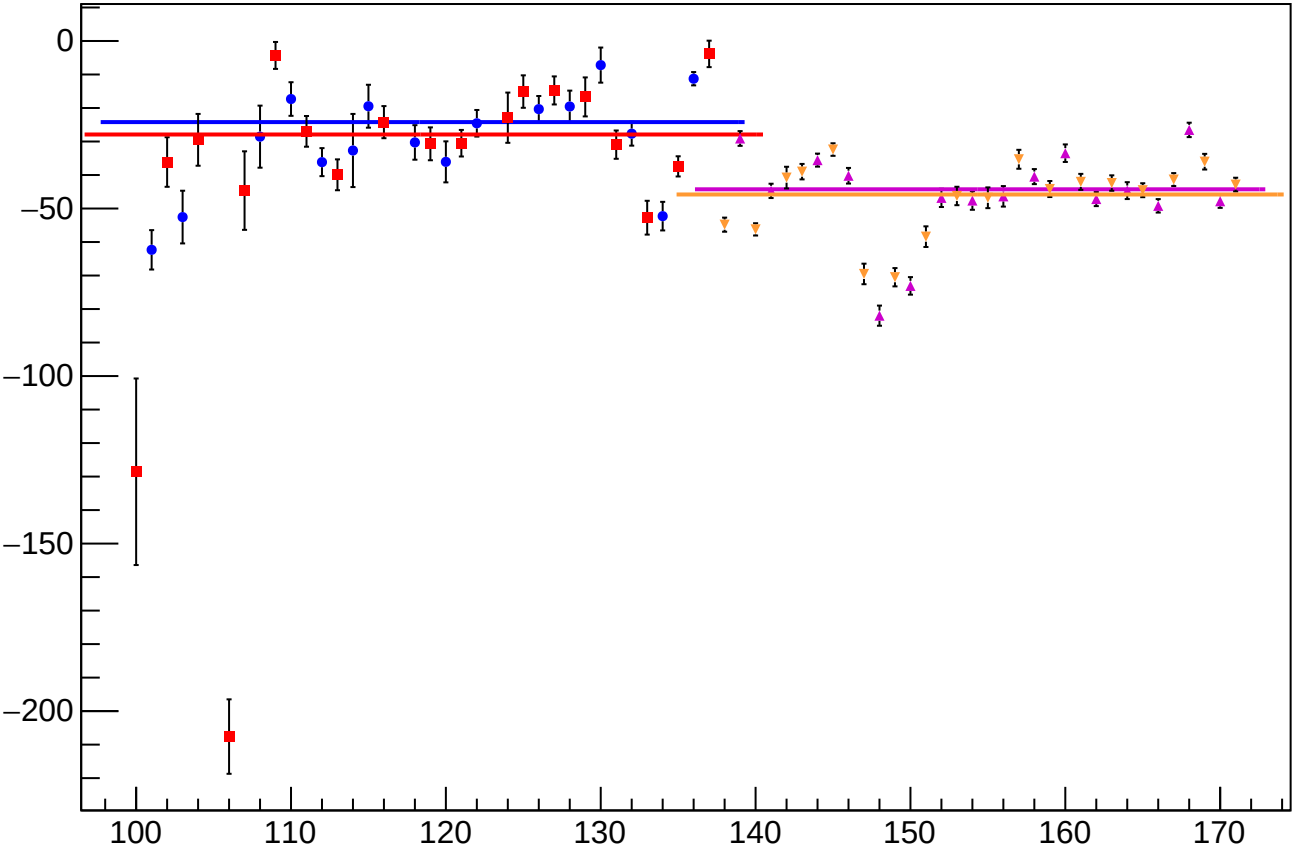
Left In: 0.469+/-0.003 χ^2/NDF:710.3/15

+ sign 0.459+/-0.003 χ^2/NDF: 1123.7/33

All: 0.452+/-0.002 χ^2/NDF: 3050.1/68

- sign 0.444+/-0.003 χ^2/NDF: 1915.4/34

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.810+/-0.554 χ^2/NDF:315.5/17

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

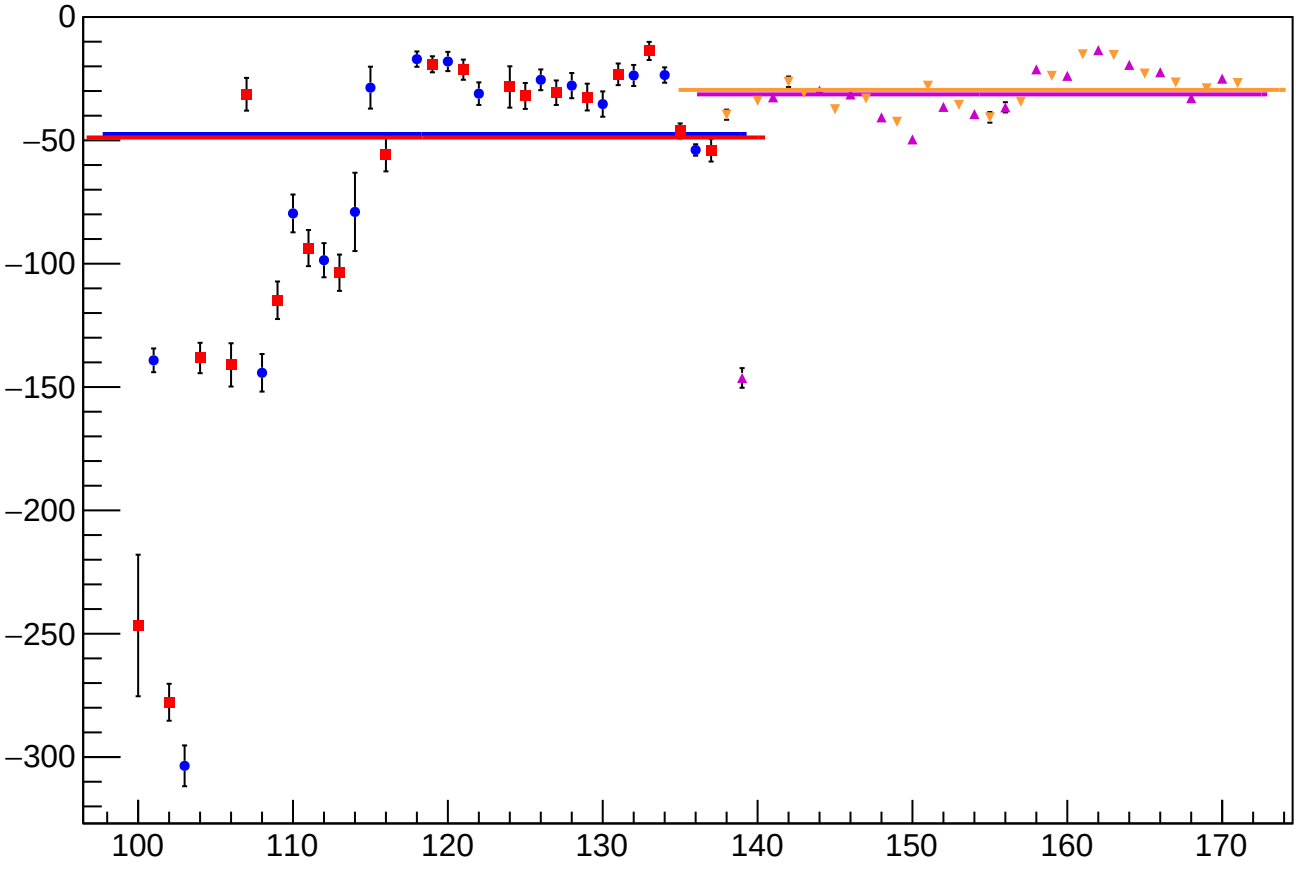
Left In: -44.261+/-0.583 χ^2/NDF:450.9/15

+ sign -41.348+/-0.494 χ^2/NDF: 800.0/33

All: -41.116+/-0.358 χ^2/NDF: 1828.7/68

- sign -40.859+/-0.519 χ^2/NDF: 1028.1/34

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.540+/-0.396 χ^2/NDF:359.3/17

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

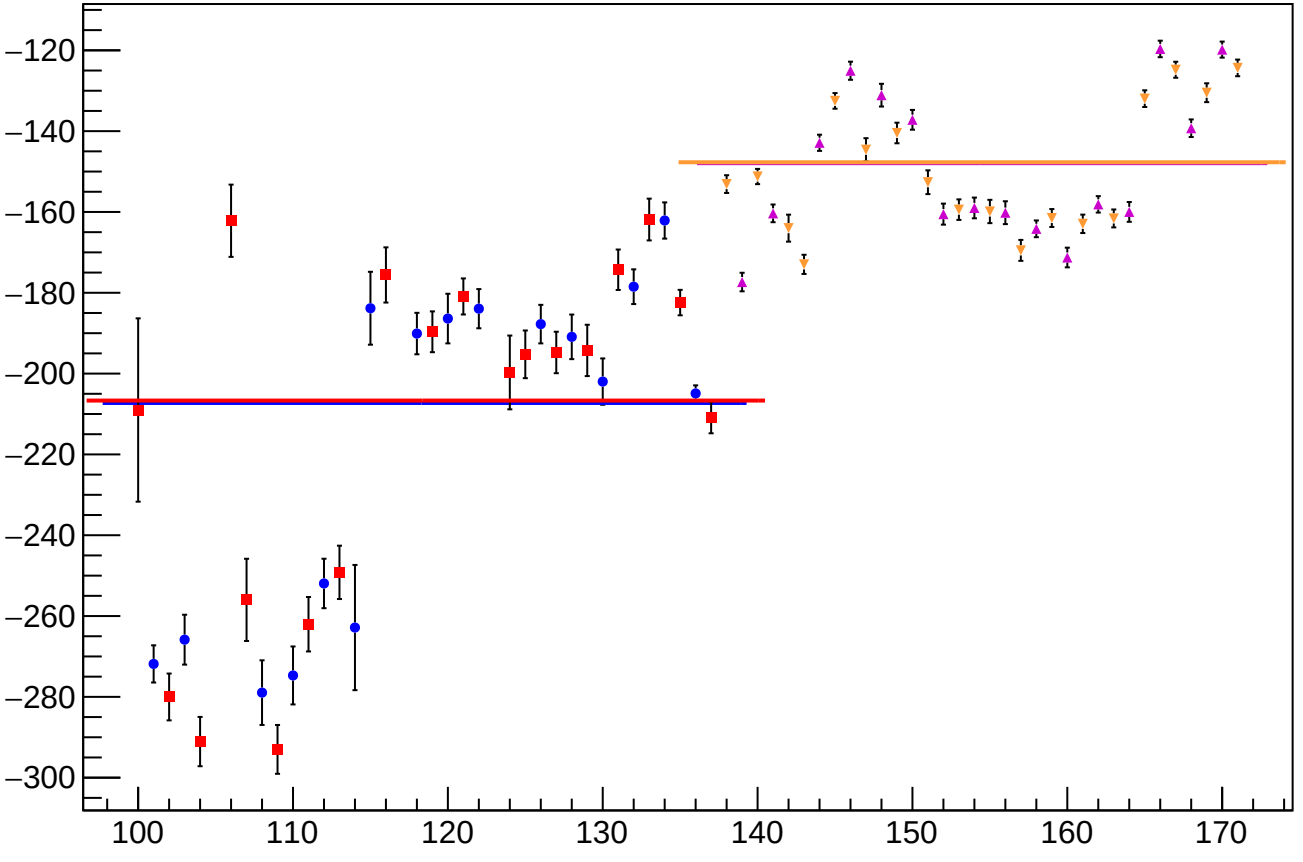
Left In: -31.360+/-0.418 χ^2/NDF:1289.1/15

+ sign -31.588+/-0.373 χ^2/NDF: 2466.3/33

All: -32.397+/-0.271 χ^2/NDF: 5734.1/68

- sign -33.304+/-0.394 χ^2/NDF: 3257.7/34

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -147.700+/-0.547 χ^2/NDF:827.6/17

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

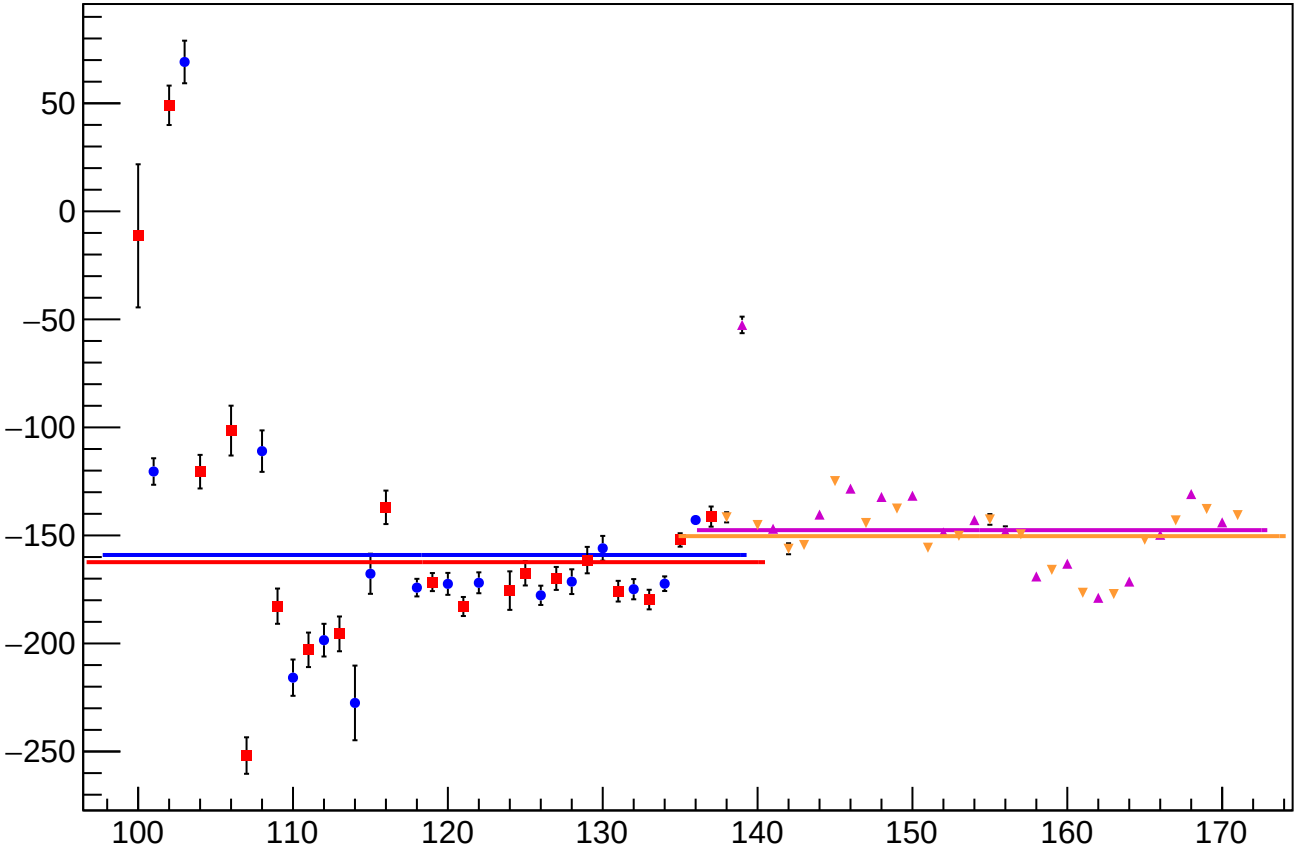
Left In: -147.926+/-0.570 χ^2/NDF:1033.4/15

+ sign -158.250+/-0.496 χ^2/NDF: 3678.9/33

All: -157.965+/-0.359 χ^2/NDF: 7441.6/68

- sign -157.651+/-0.521 χ^2/NDF: 3762.1/34

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -150.328+/-0.453 χ^2/NDF:969.5/17

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

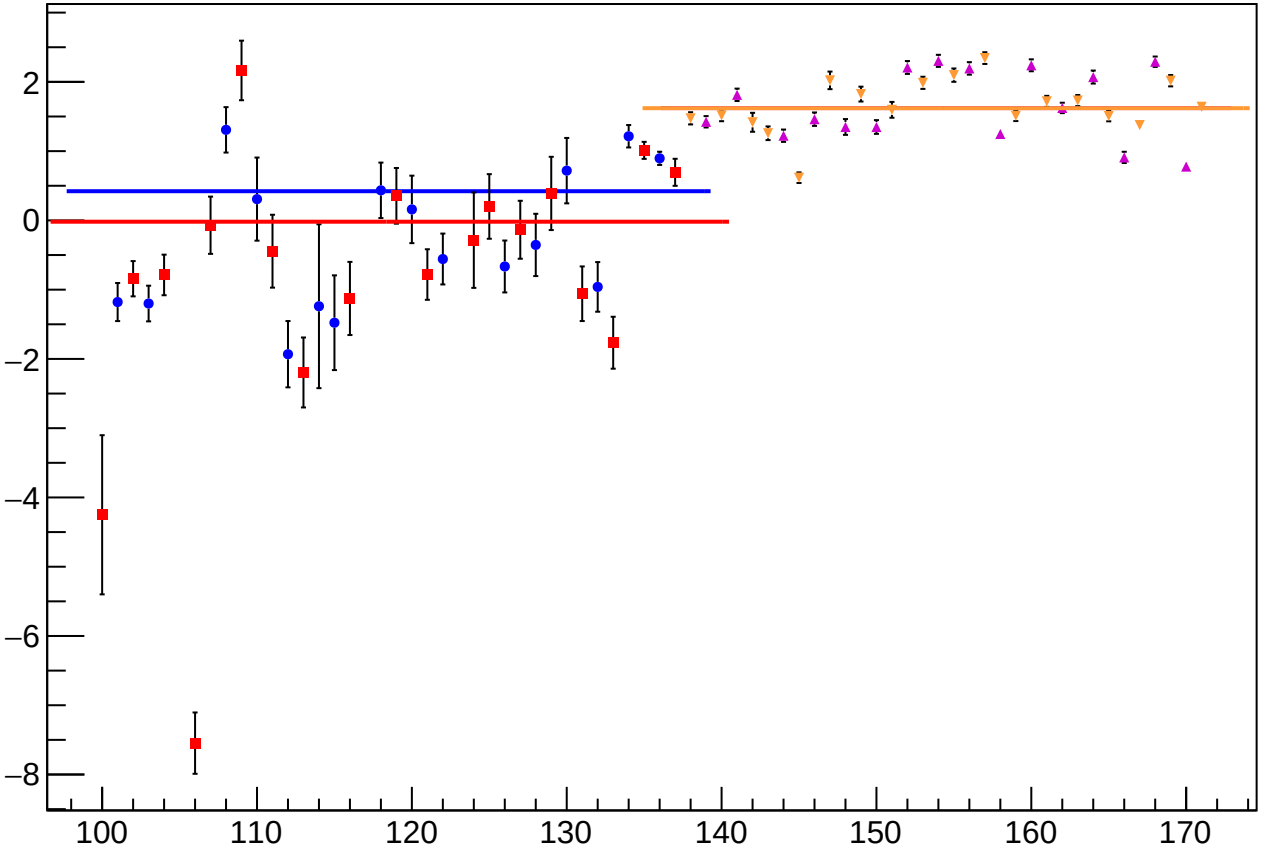
Left In: -147.554+/-0.477 χ^2/NDF:1688.6/15

+ sign -151.375+/-0.425 χ^2/NDF: 1829.8/33

All: -150.375+/-0.308 χ^2/NDF: 4513.5/68

- sign -149.257+/-0.449 χ^2/NDF: 2672.0/34

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.620+/-0.020 χ^2/NDF:362.1/17

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

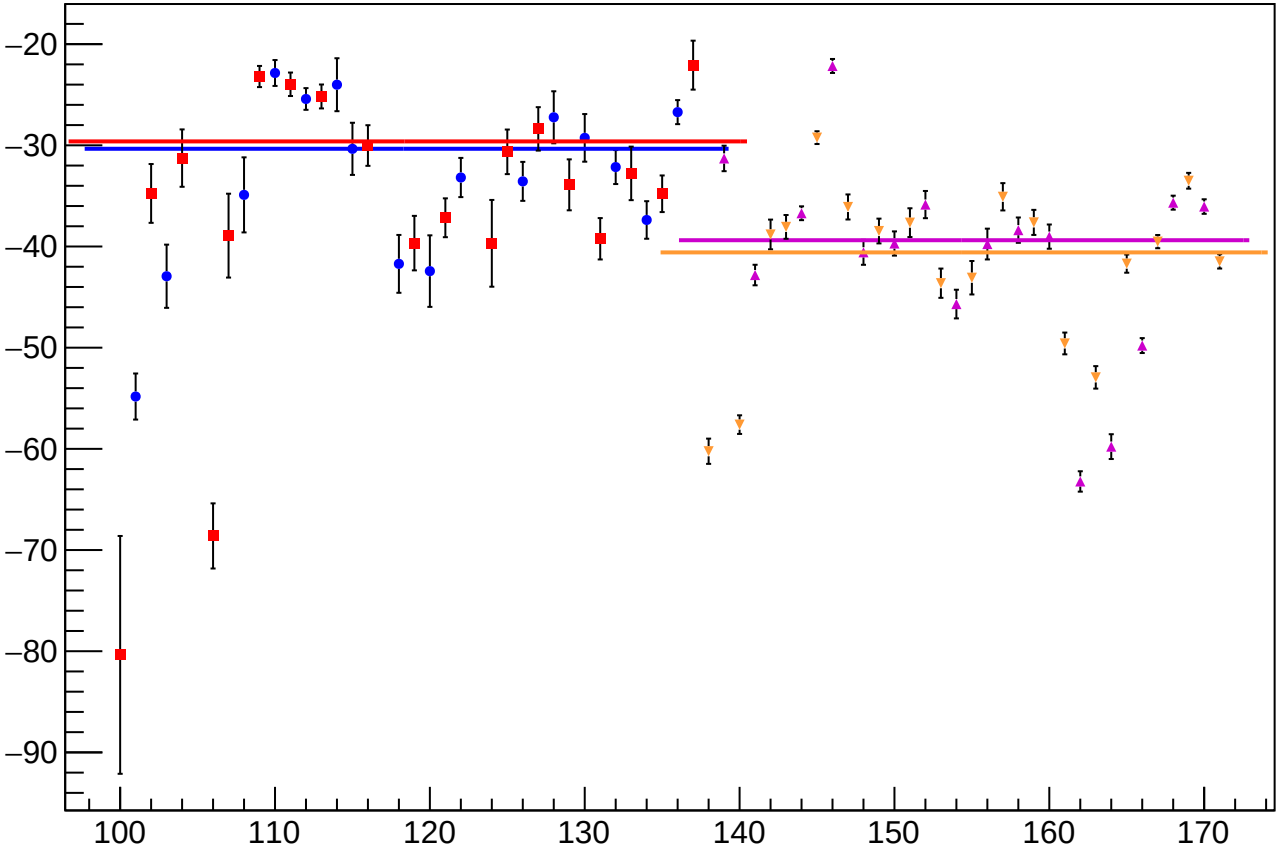
Left In: 1.622+/-0.021 χ^2/NDF:597.4/15

\+ sign 1.512+/-0.019 χ^2/NDF: 870.9/33

All: 1.502+/-0.014 χ^2/NDF: 2430.7/68

\- sign 1.491+/-0.020 χ^2/NDF: 1559.3/34

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -40.584+/-0.234 χ^2/NDF:1249.4/17

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

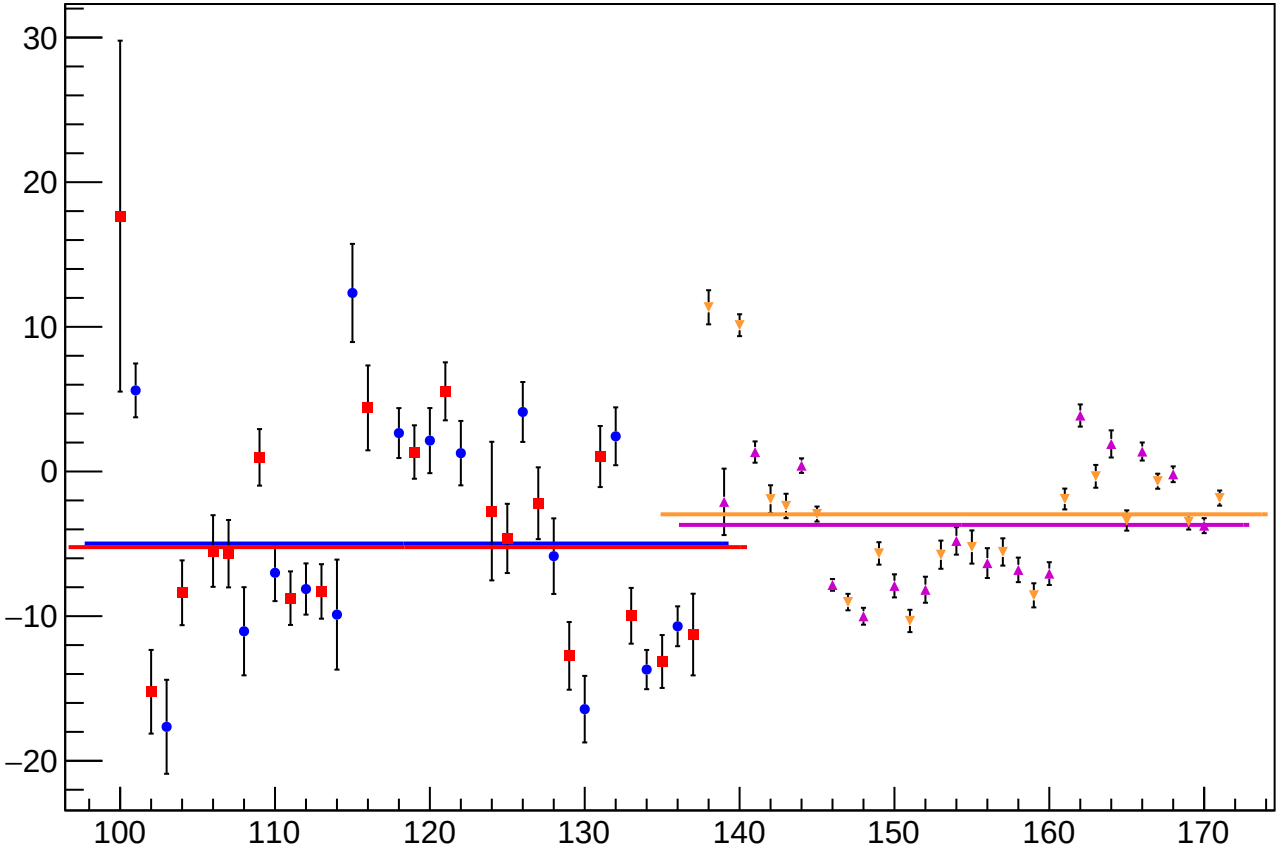
Left In: -39.379+/-0.239 χ^2/NDF:1803.7/15

+ sign -38.534+/-0.209 χ^2/NDF: 1886.4/33

All: -37.890+/-0.149 χ^2/NDF: 4405.2/68

- sign -37.235+/-0.211 χ^2/NDF: 2499.7/34

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.960+/-0.167 χ^2/NDF:768.4/17

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

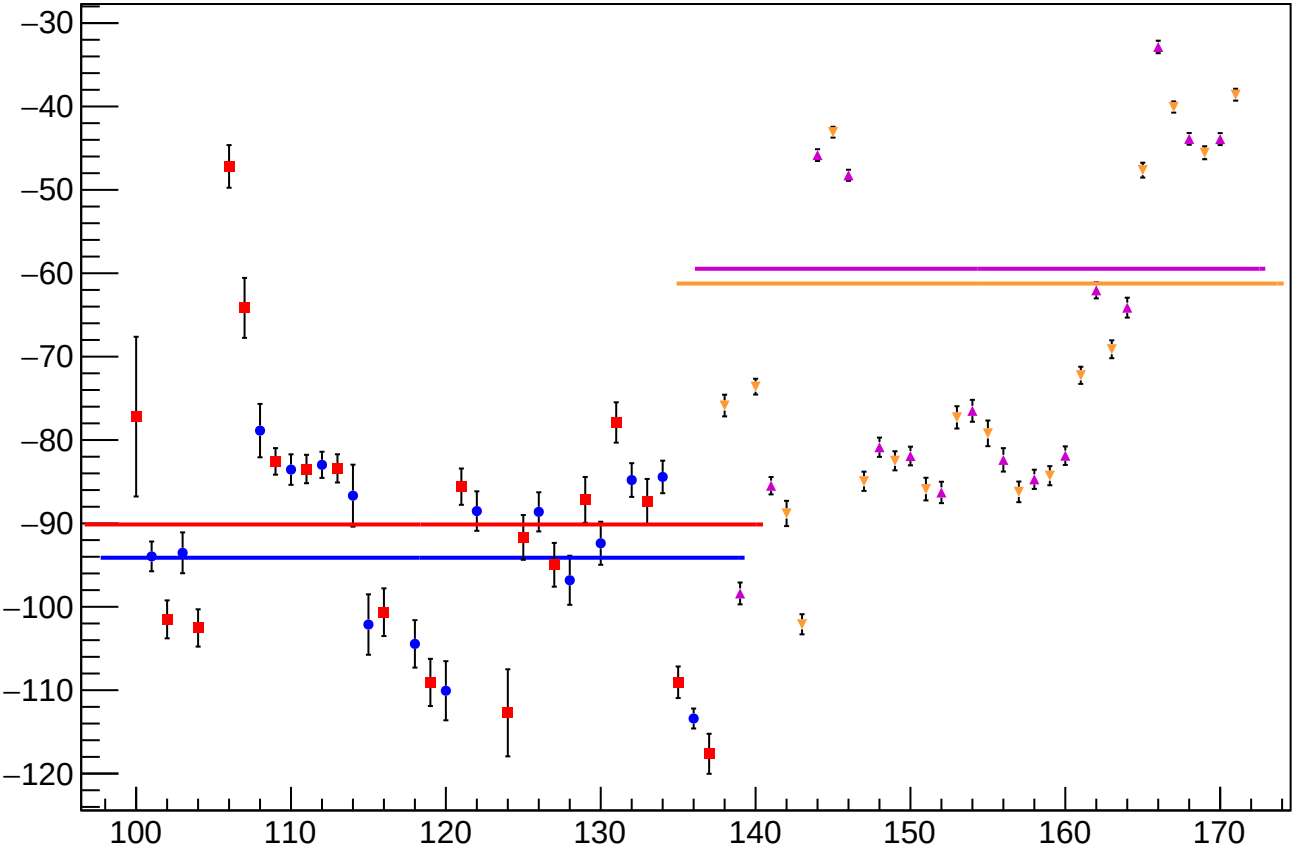
Left In: -3.692+/-0.168 χ^2/NDF:668.4/15

+ sign -3.155+/-0.159 χ^2/NDF: 1019.9/33

All: -3.492+/-0.113 χ^2/NDF: 1841.7/68

- sign -3.835+/-0.160 χ^2/NDF: 812.7/34

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -61.233+/-0.232 χ^2/NDF:7555.0/17

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

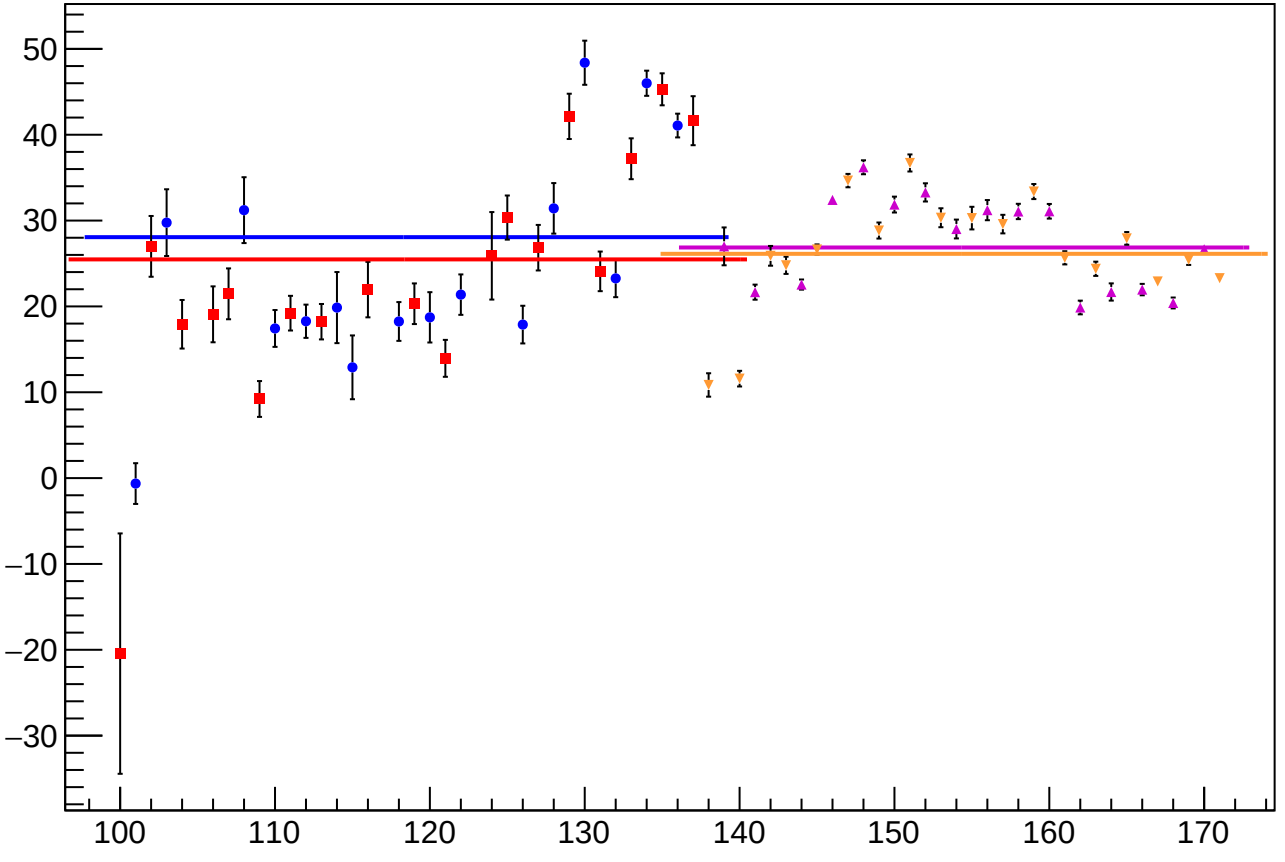
Left In: -59.462+/-0.235 χ^2/NDF:6907.9/15

+ sign -66.409+/-0.213 χ^2/NDF: 11180.8/33

All: -65.370+/-0.152 χ^2/NDF: 21612.5/68

- sign -64.304+/-0.216 χ^2/NDF: 10383.5/34

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.126+/-0.191 χ^2/NDF:794.5/17

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

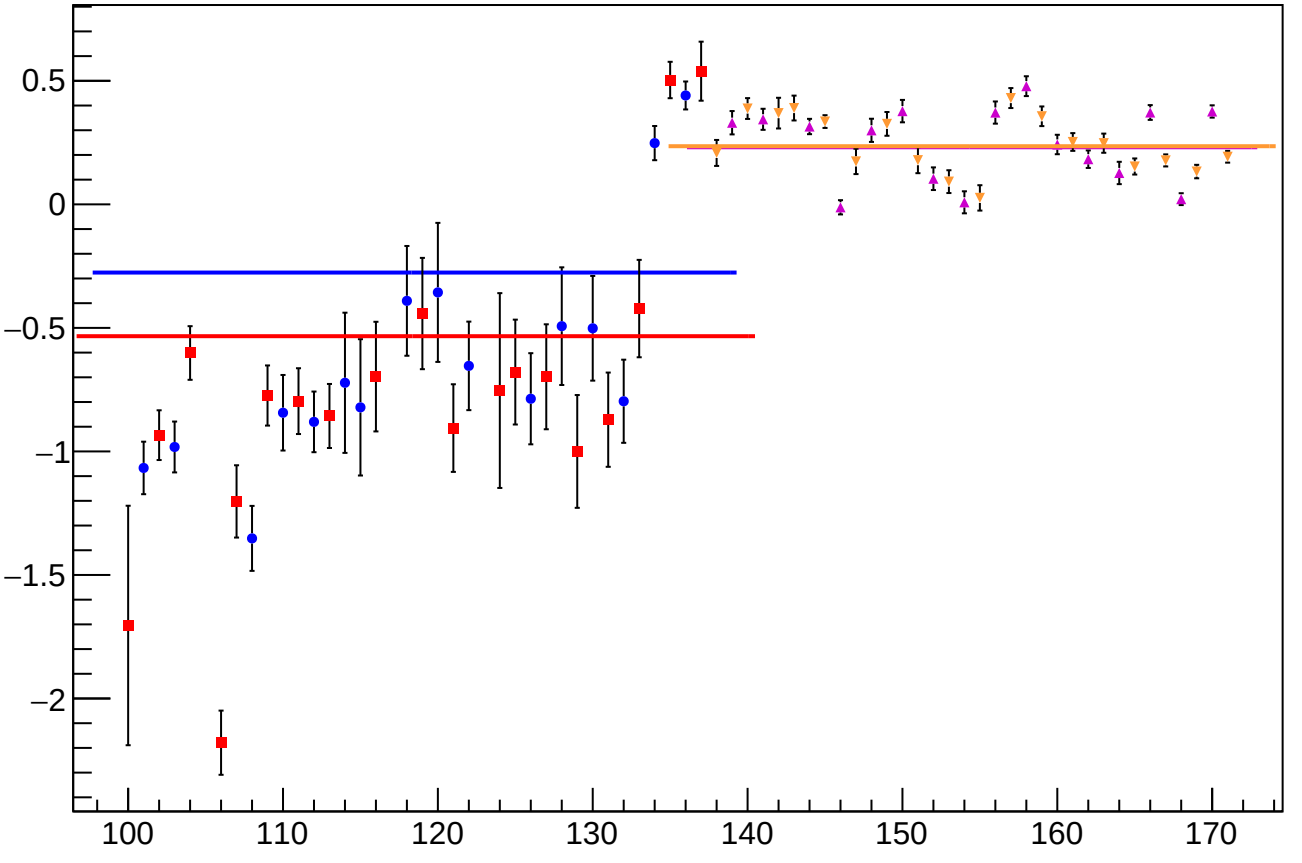
Left In: 26.865+/-0.194 χ^2/NDF:730.4/15

+ sign 26.323+/-0.181 χ^2/NDF: 1388.0/33

All: 26.522+/-0.129 χ^2/NDF: 2480.6/68

- sign 26.729+/-0.185 χ^2/NDF: 1090.1/34

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.235+/-0.009 χ^2/NDF:136.9/17

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

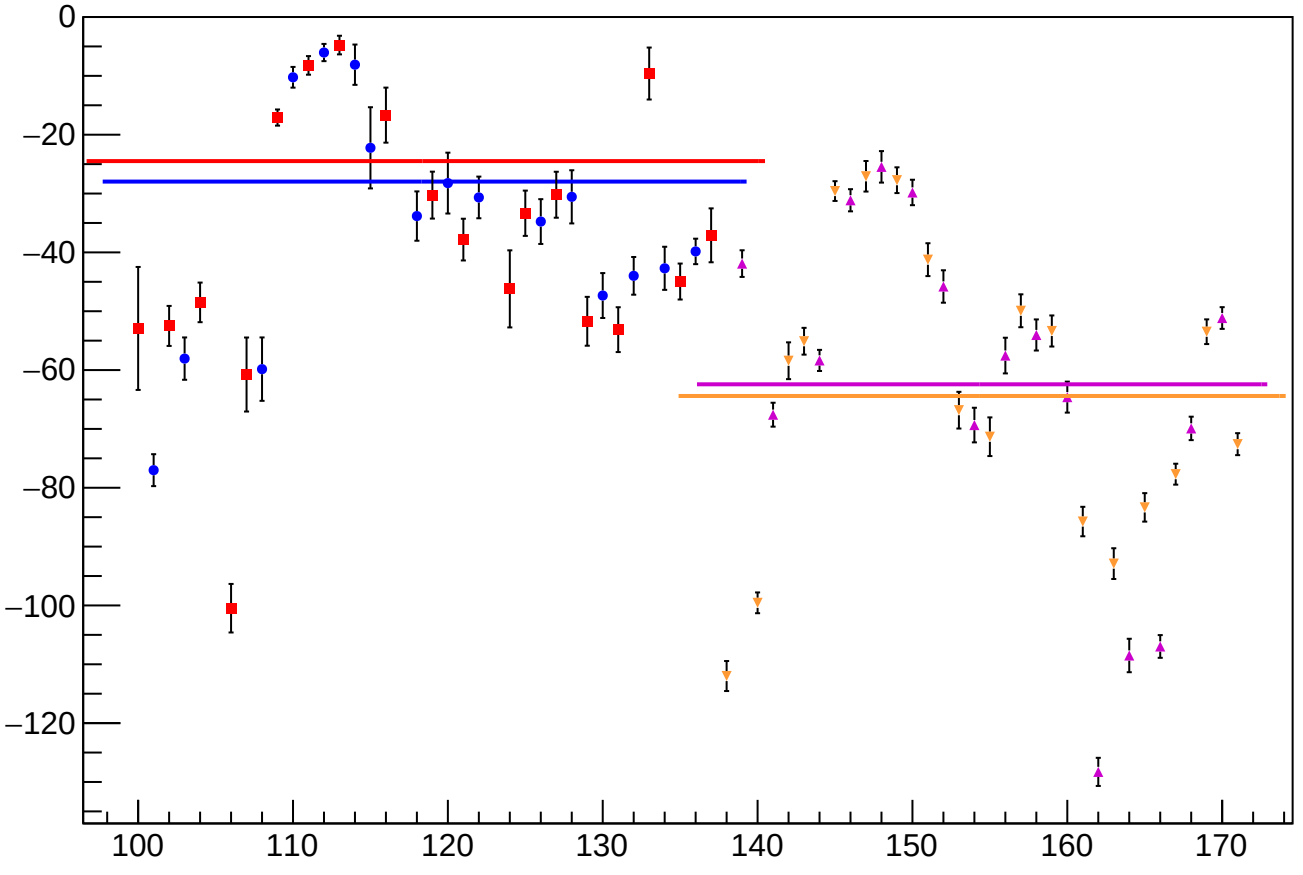
Left In: 0.231+/-0.009 χ^2/NDF:322.3/15

+ sign 0.198+/-0.008 χ^2/NDF: 850.7/33

All: 0.189+/-0.006 χ^2/NDF: 2190.7/68

- sign 0.179+/-0.009 χ^2/NDF: 1337.5/34

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -64.403+/-0.544 χ^2/NDF:2155.7/17

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

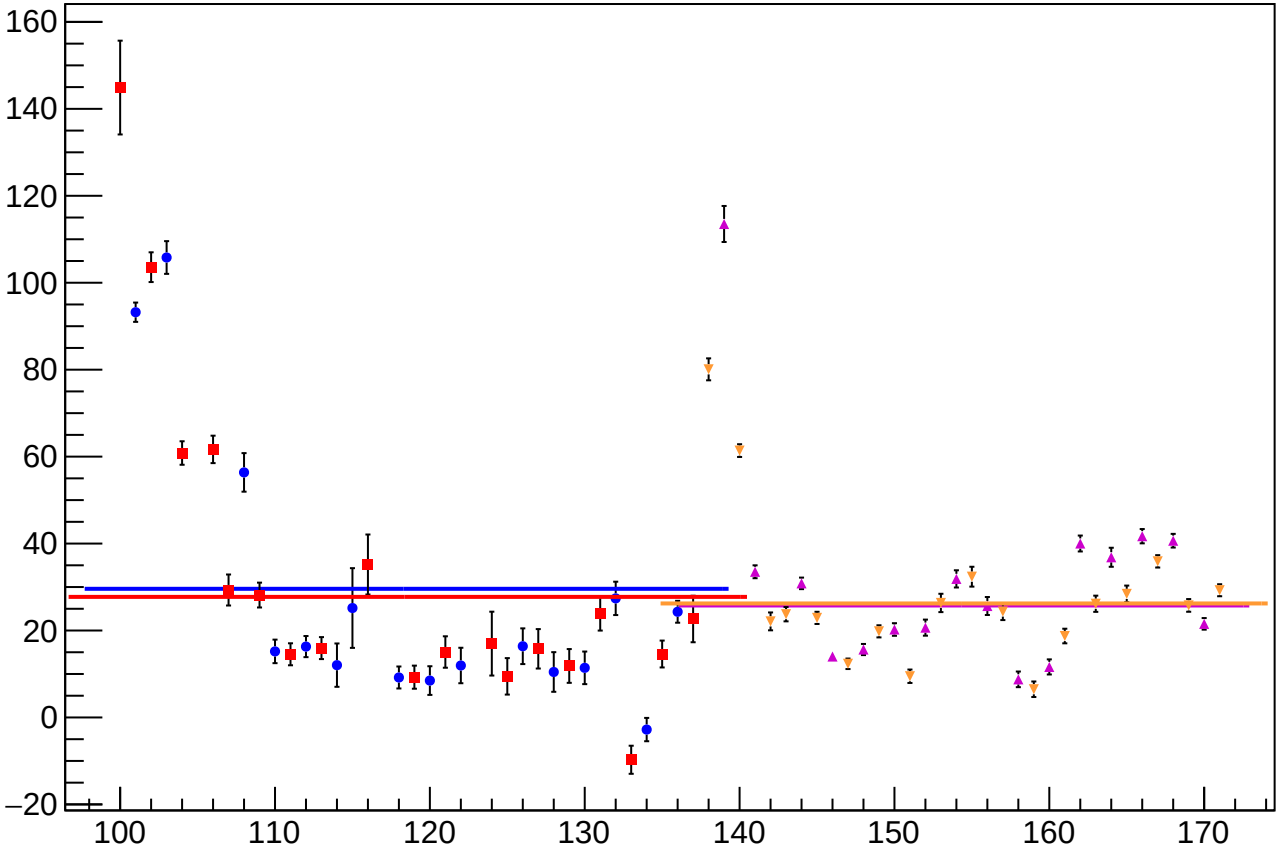
Left In: -62.419+/-0.564 χ^2/NDF:2449.7/15

+ sign -51.349+/-0.436 χ^2/NDF: 4659.7/33

All: -48.882+/-0.306 χ^2/NDF: 10061.4/68

- sign -46.480+/-0.430 χ^2/NDF: 5338.4/34

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.225+/-0.385 χ^2/NDF:1514.8/17

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

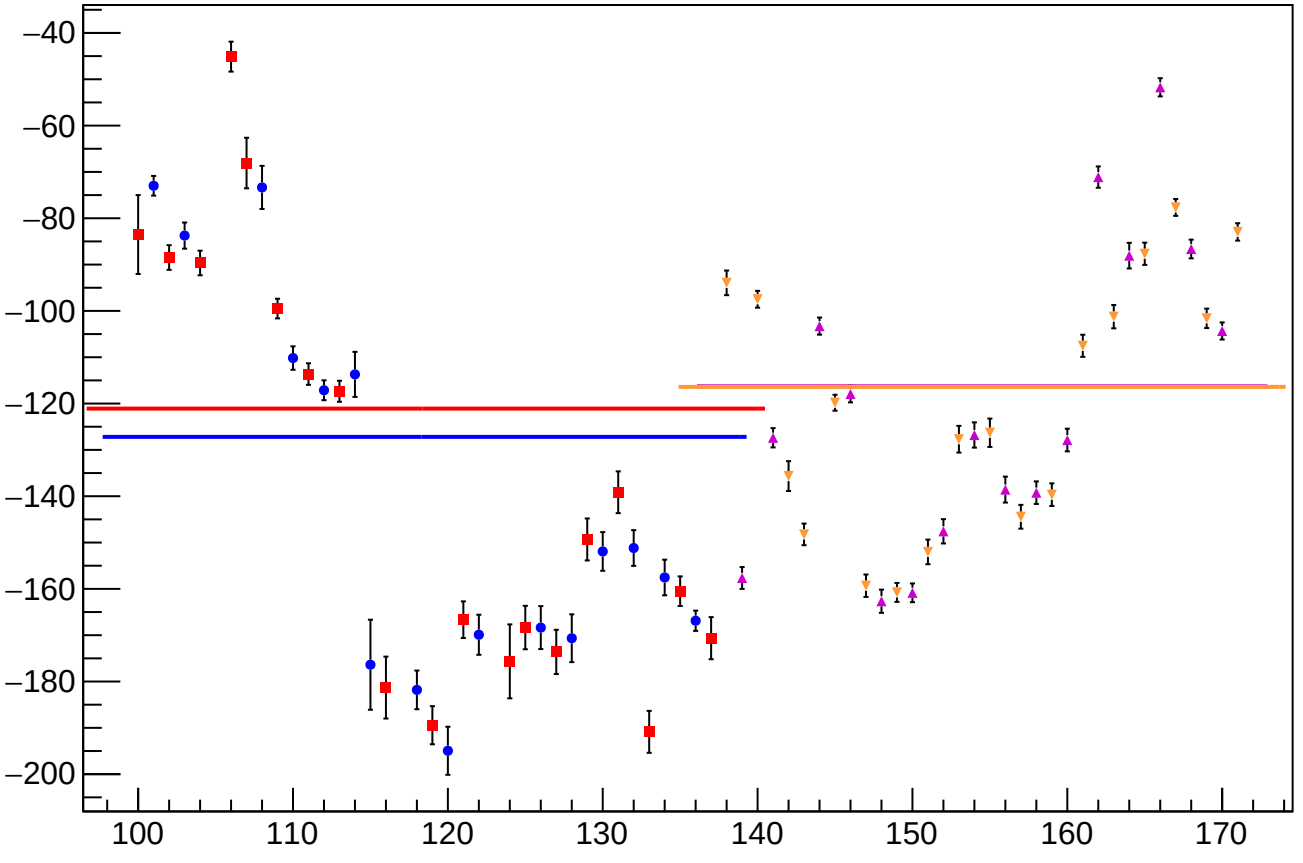
Left In: 25.758+/-0.402 χ^2/NDF:1124.9/15

+ sign 26.849+/-0.348 χ^2/NDF: 3194.7/33

All: 26.515+/-0.250 χ^2/NDF: 5511.5/68

- sign 26.159+/-0.359 χ^2/NDF: 2314.9/34

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.396+/-0.536 χ^2/NDF:2616.4/17

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

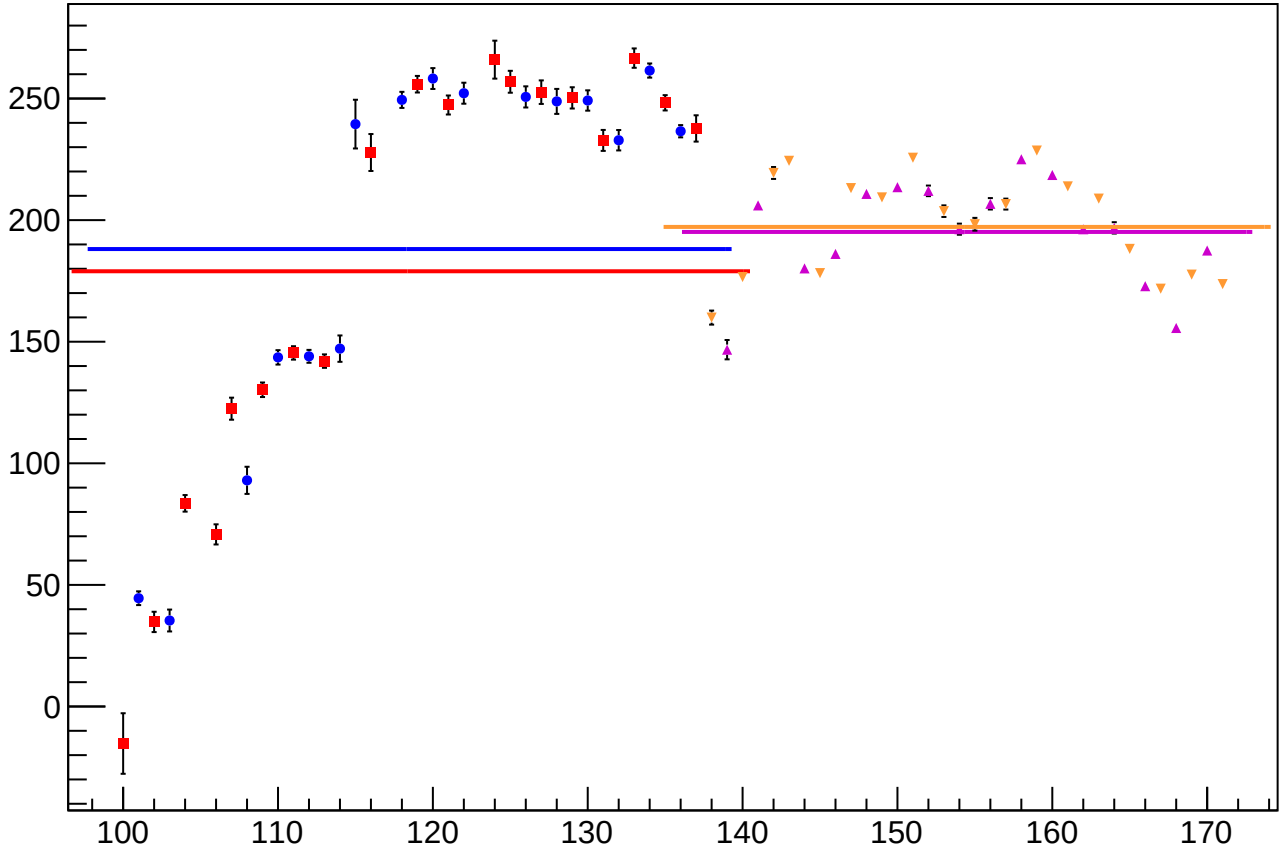
Left In: -116.268+/-0.553 χ^2/NDF:3371.4/15

+ sign -119.578+/-0.450 χ^2/NDF: 4914.0/33

All: -118.713+/-0.320 χ^2/NDF: 10714.8/68

- sign -117.831+/-0.454 χ^2/NDF: 5793.3/34

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 197.209+/-0.444 χ^2/NDF:2171.0/17

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

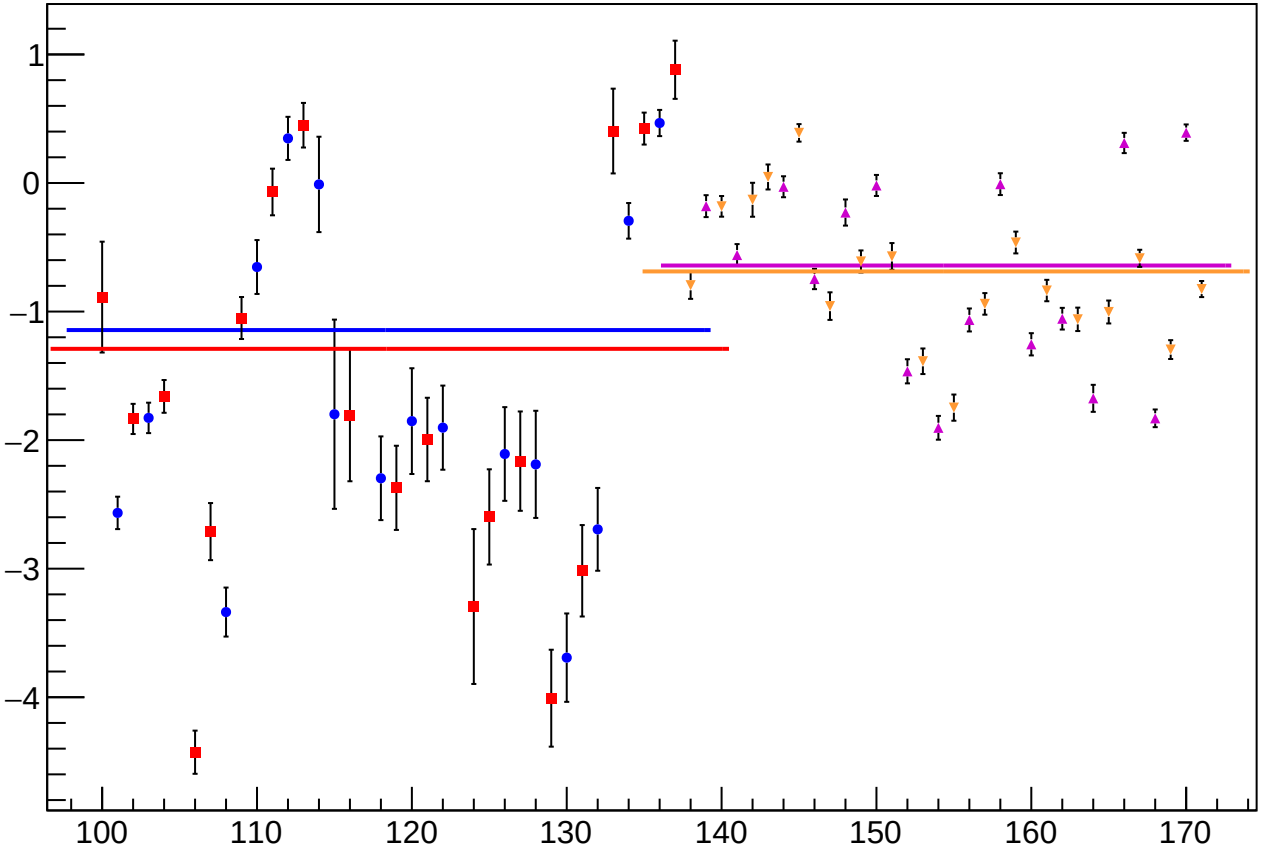
Left In: 195.140+/-0.462 χ^2/NDF:1664.8/15

+ sign 195.486+/-0.399 χ^2/NDF: 9369.3/33

All: 193.706+/-0.287 χ^2/NDF: 17995.7/68

- sign 191.811+/-0.412 χ^2/NDF: 8585.4/34

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.688+/-0.020 χ^2/NDF:656.0/17

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

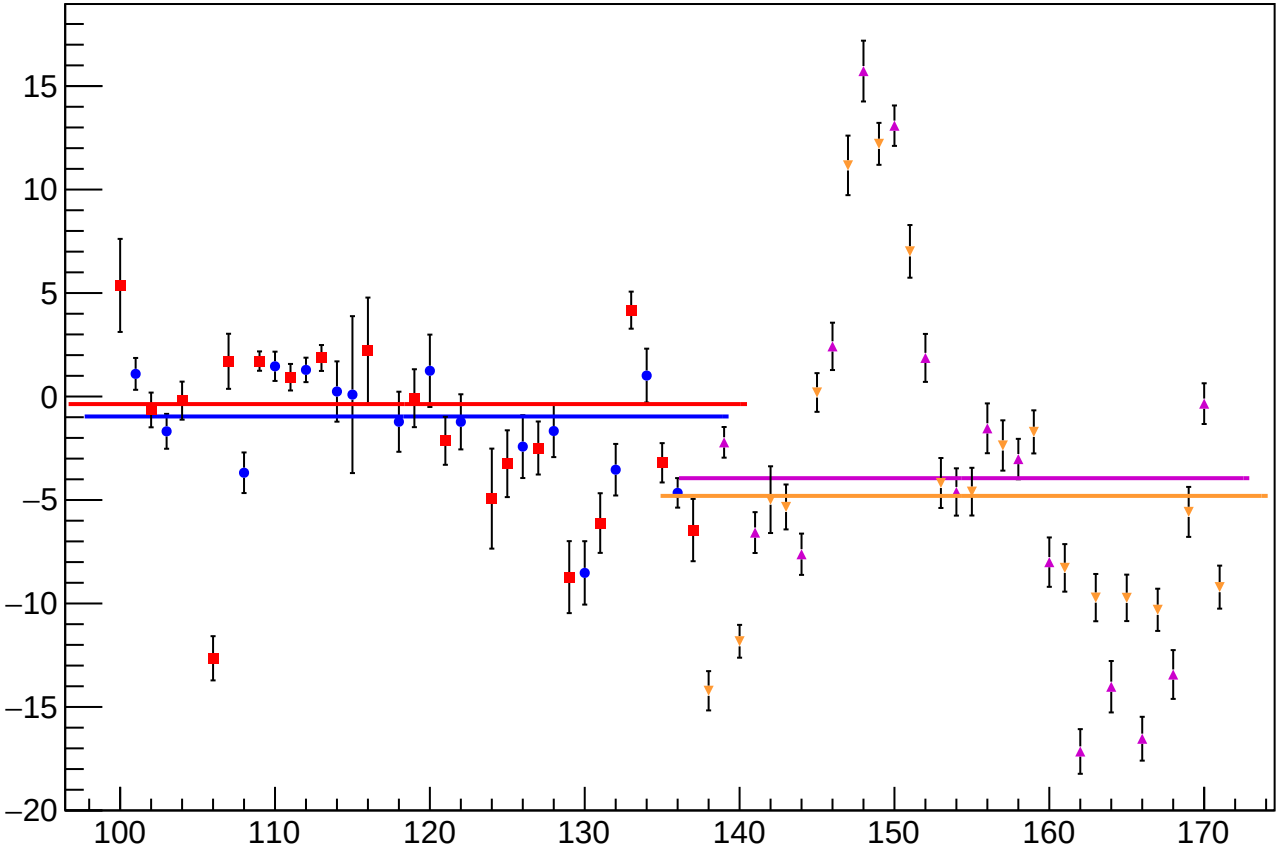
Left In: -0.642+/-0.021 χ^2/NDF:1382.5/15

+ sign -0.756+/-0.019 χ^2/NDF: 1520.1/33

All: -0.751+/-0.013 χ^2/NDF: 4057.5/68

- sign -0.746+/-0.019 χ^2/NDF: 2537.3/34

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.802+/-0.257 χ^2/NDF:804.5/17

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

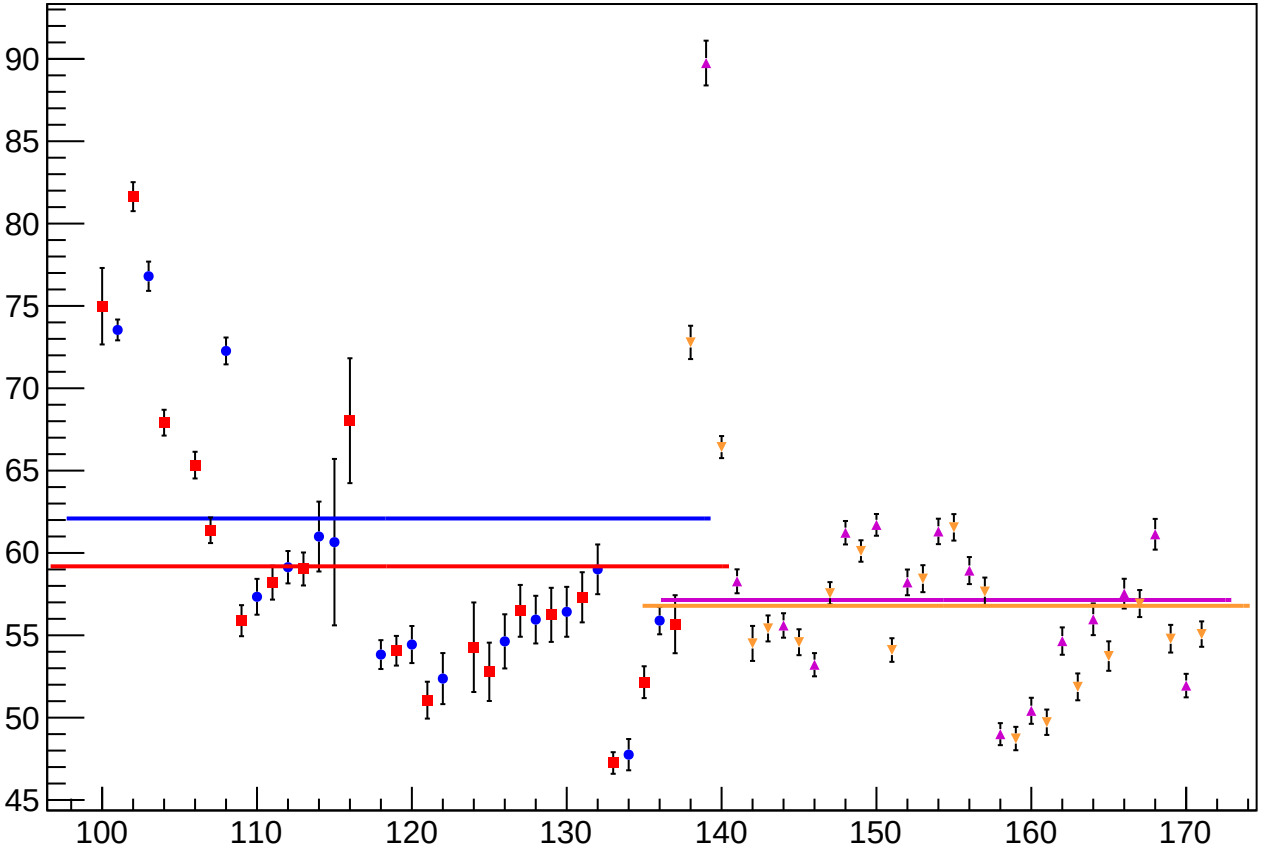
Left In: -3.946+/-0.265 χ^2/NDF:1017.5/15

+ sign -2.850+/-0.181 χ^2/NDF: 1020.6/33

All: -2.325+/-0.124 χ^2/NDF: 2441.2/68

- sign -1.855+/-0.171 χ^2/NDF: 1404.6/34

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.791+/-0.185 χ^2/NDF:825.9/17

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

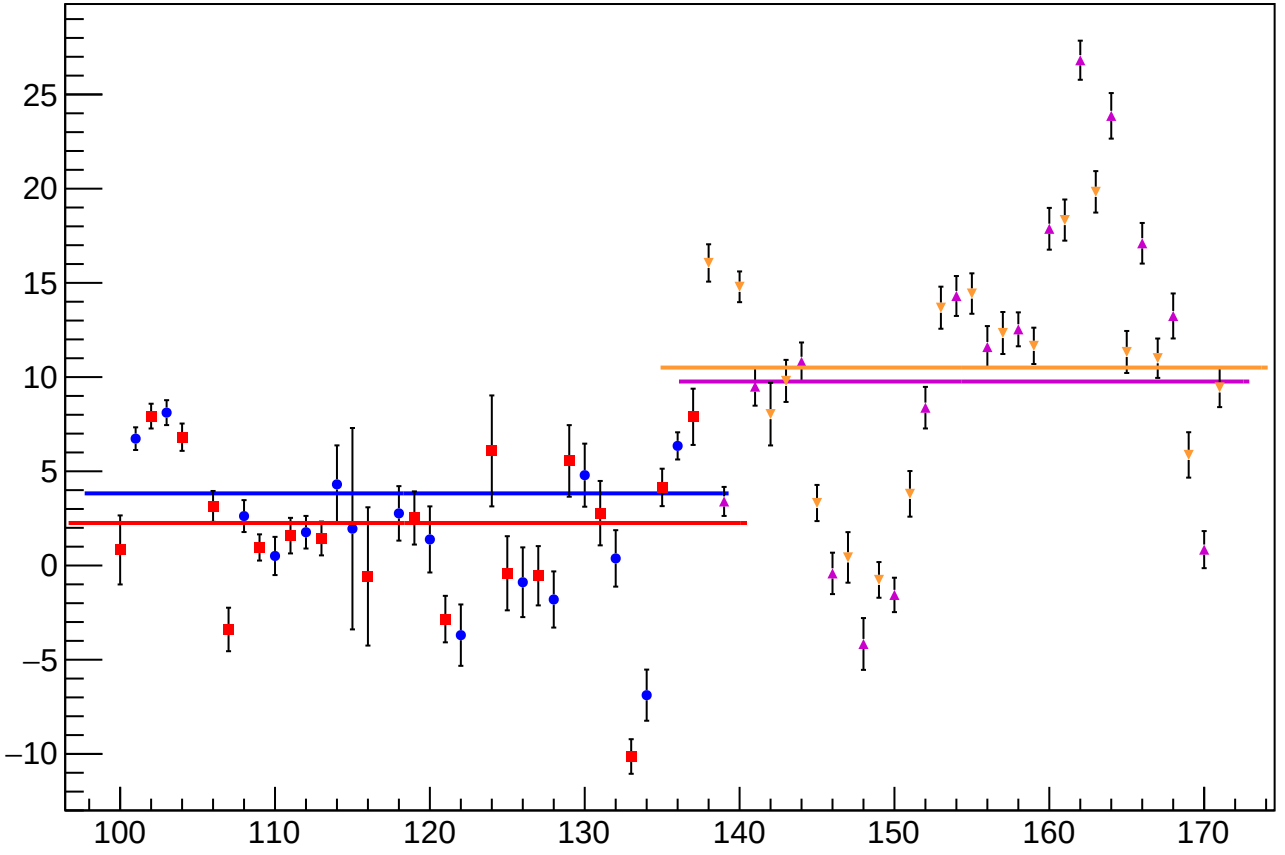
Left In: 57.144+/-0.196 χ^2/NDF:1032.4/15

+ sign 58.525+/-0.152 χ^2/NDF: 2395.8/33

All: 58.238+/-0.108 χ^2/NDF: 4880.3/68

- sign 57.946+/-0.153 χ^2/NDF: 2477.2/34

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.505+/-0.253 χ^2/NDF:511.8/17

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

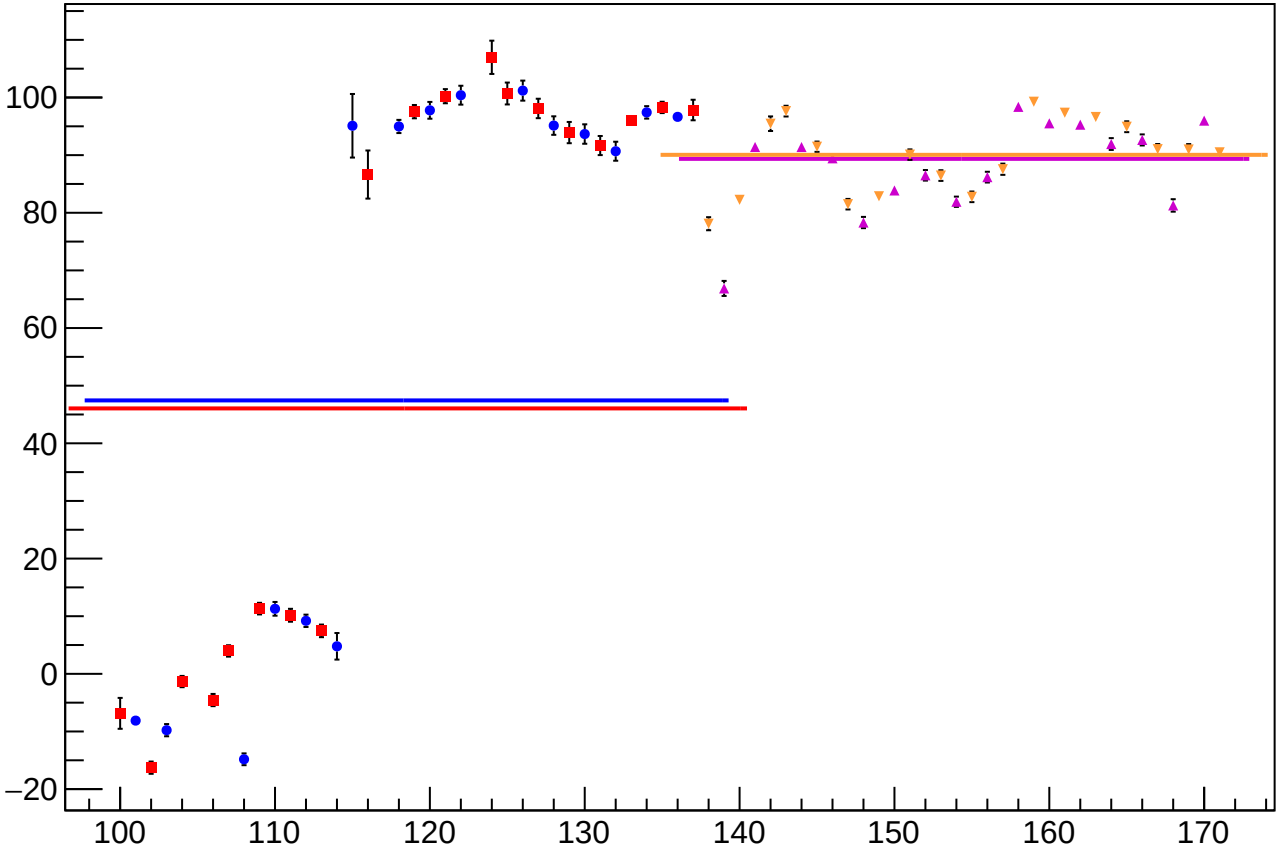
Left In: 9.764+/-0.259 χ^2/NDF:1040.3/15

+ sign 7.329+/-0.183 χ^2/NDF: 1052.6/33

All: 6.560+/-0.128 χ^2/NDF: 2940.7/68

- sign 5.828+/-0.178 χ^2/NDF: 1853.6/34

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.052+/-0.212 χ^2/NDF:870.4/17

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

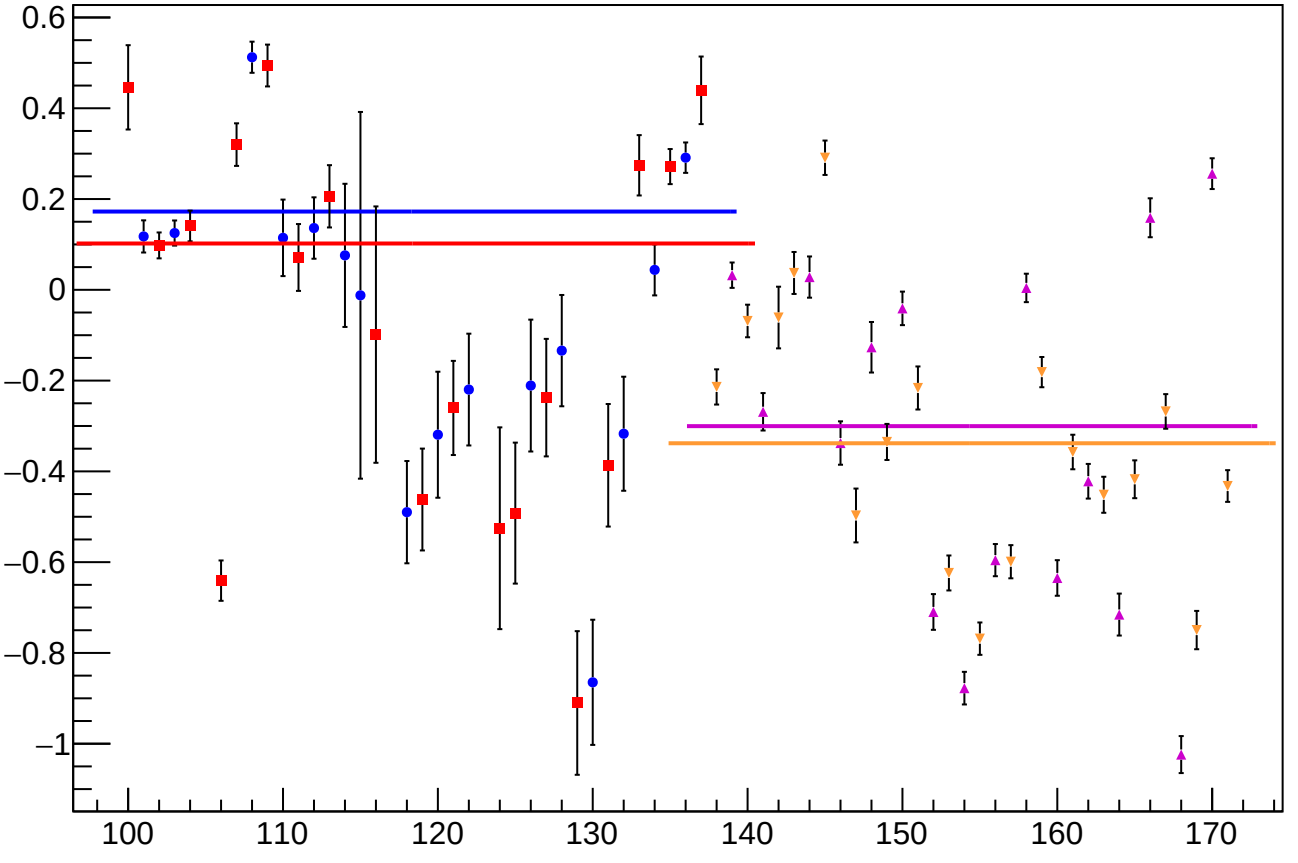
Left In: 89.352+/-0.222 χ^2/NDF:990.3/15

+ sign 76.397+/-0.174 χ^2/NDF: 40757.4/33

All: 74.681+/-0.124 χ^2/NDF: 85236.4/68

- sign 72.953+/-0.175 χ^2/NDF: 44284.6/34

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.338+/-0.009 χ^2/NDF:830.4/17

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

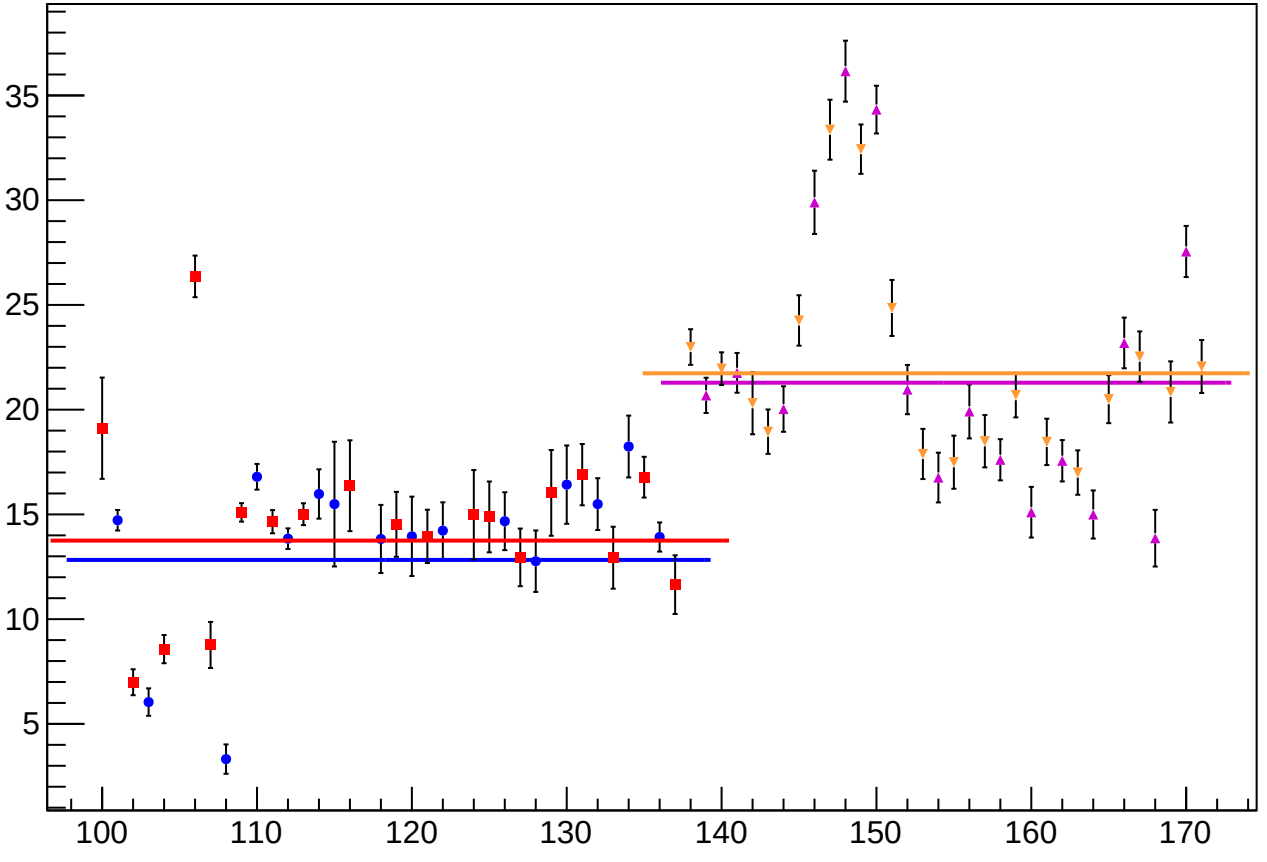
Left In: -0.300+/-0.010 χ^2/NDF:1646.6/15

+ sign -0.181+/-0.008 χ^2/NDF: 1997.0/33

All: -0.173+/-0.006 χ^2/NDF: 4798.3/68

- sign -0.165+/-0.008 χ^2/NDF: 2799.1/34

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.737+/-0.268 χ^2/NDF:228.4/17

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

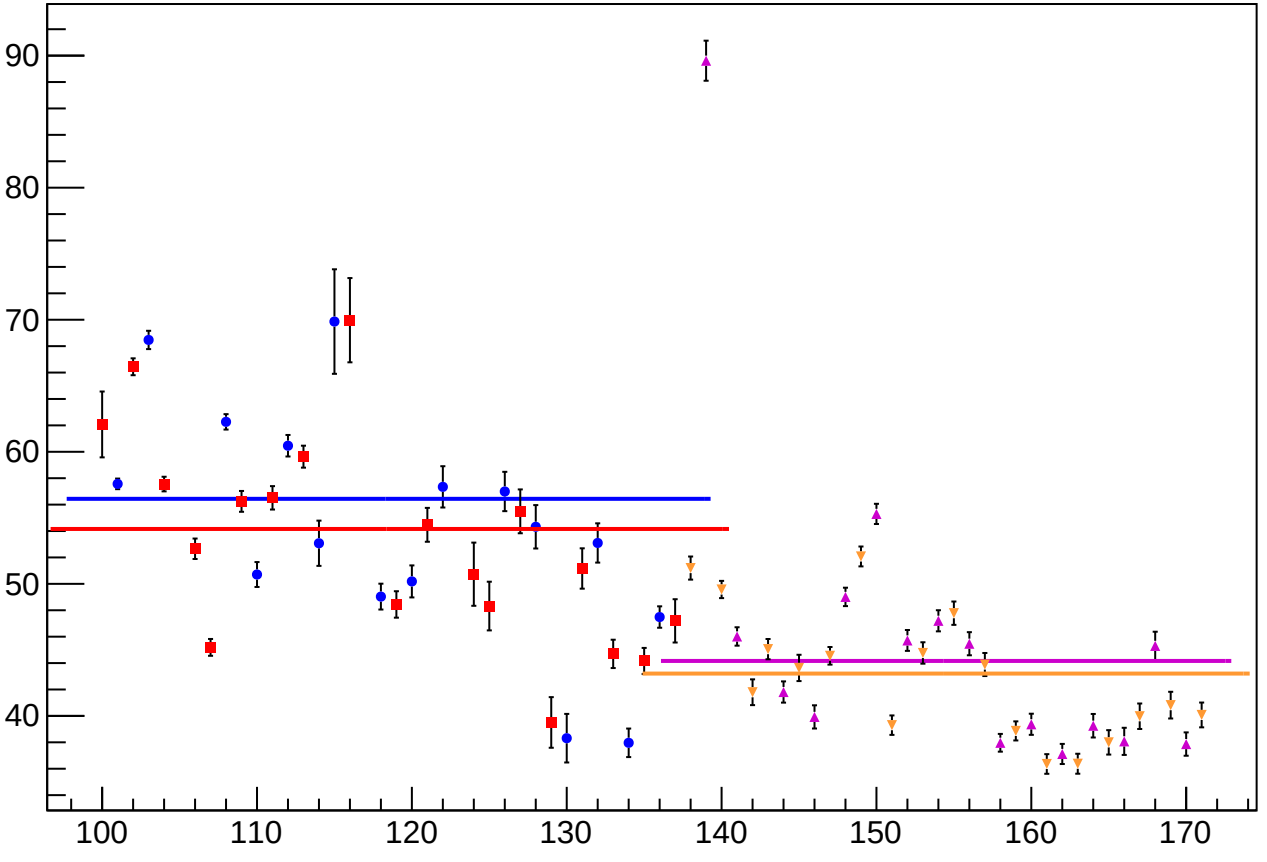
Left In: 21.288+/-0.283 χ^2/NDF:429.3/15

+ sign 16.299+/-0.167 χ^2/NDF: 1291.4/33

All: 16.314+/-0.118 χ^2/NDF: 2591.4/68

- sign 16.330+/-0.166 χ^2/NDF: 1300.0/34

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.205+/-0.192 χ^2/NDF:651.2/17

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

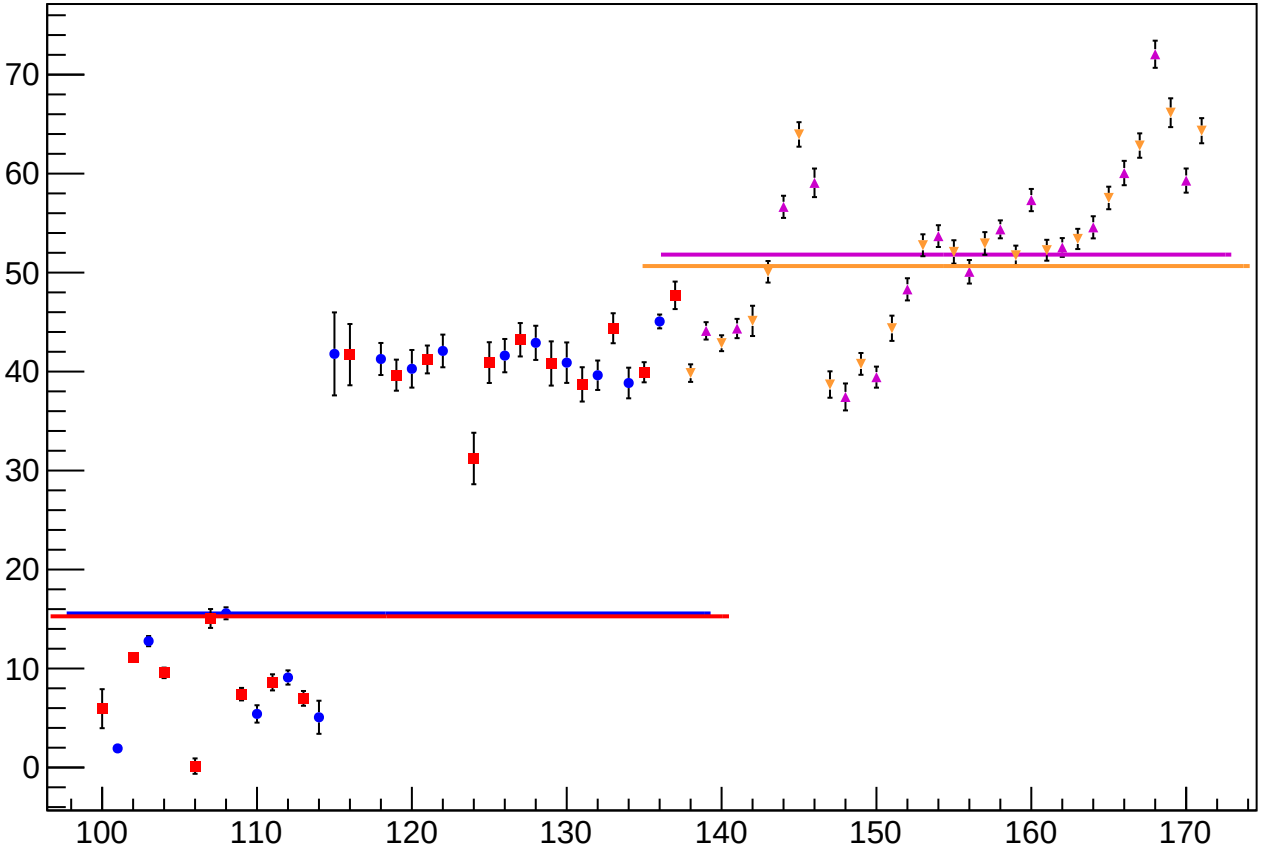
Left In: 44.162+/-0.207 χ^2/NDF:1541.1/15

+ sign 48.862+/-0.145 χ^2/NDF: 3776.8/33

All: 48.806+/-0.105 χ^2/NDF: 7397.7/68

- sign 48.744+/-0.152 χ^2/NDF: 3620.7/34

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 50.661+/-0.263 χ^2/NDF:939.8/17

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

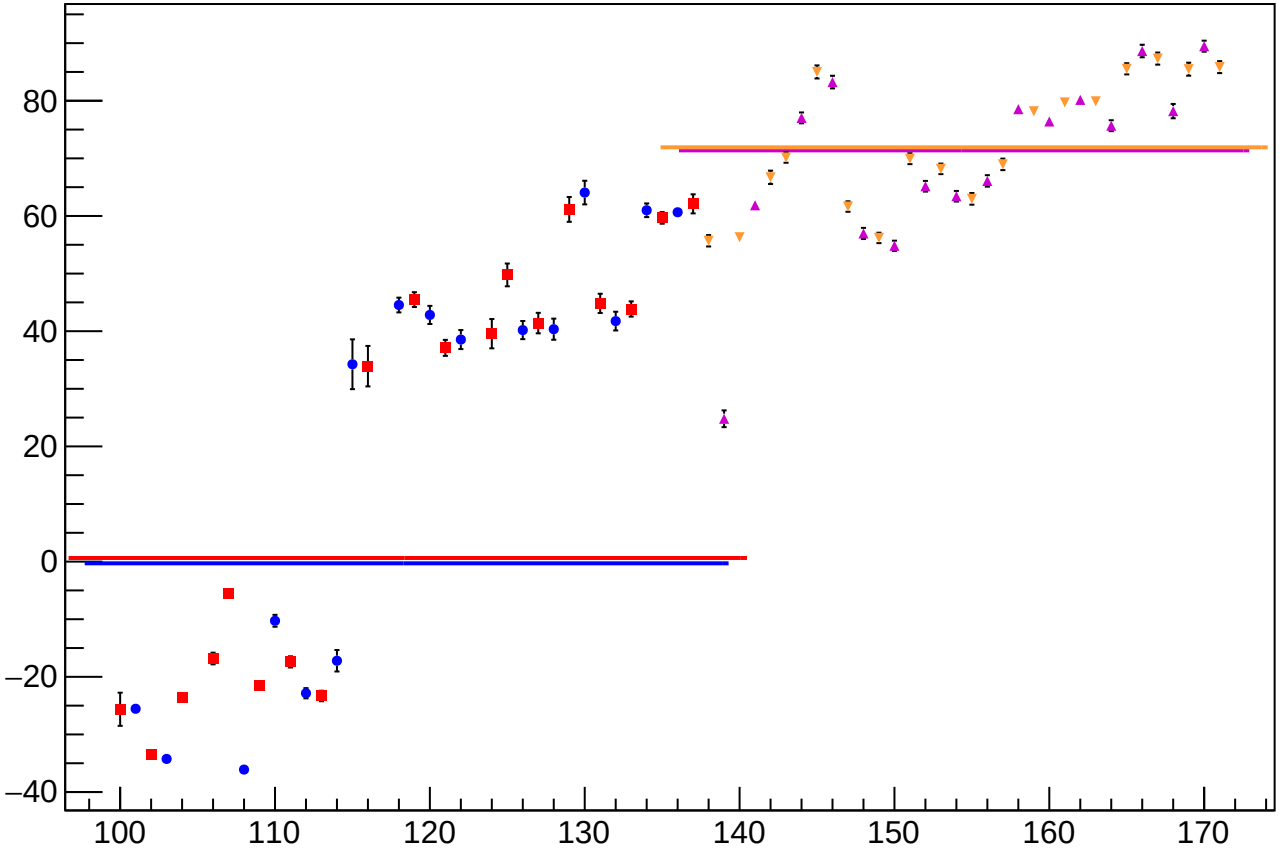
Left In: 51.817+/-0.276 χ^2/NDF:780.4/15

+ sign 29.539+/-0.166 χ^2/NDF: 16830.0/33

All: 29.485+/-0.119 χ^2/NDF: 32256.9/68

- sign 29.428+/-0.172 χ^2/NDF: 15426.7/34

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 71.913+/-0.220 χ^2/NDF:2359.9/17

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

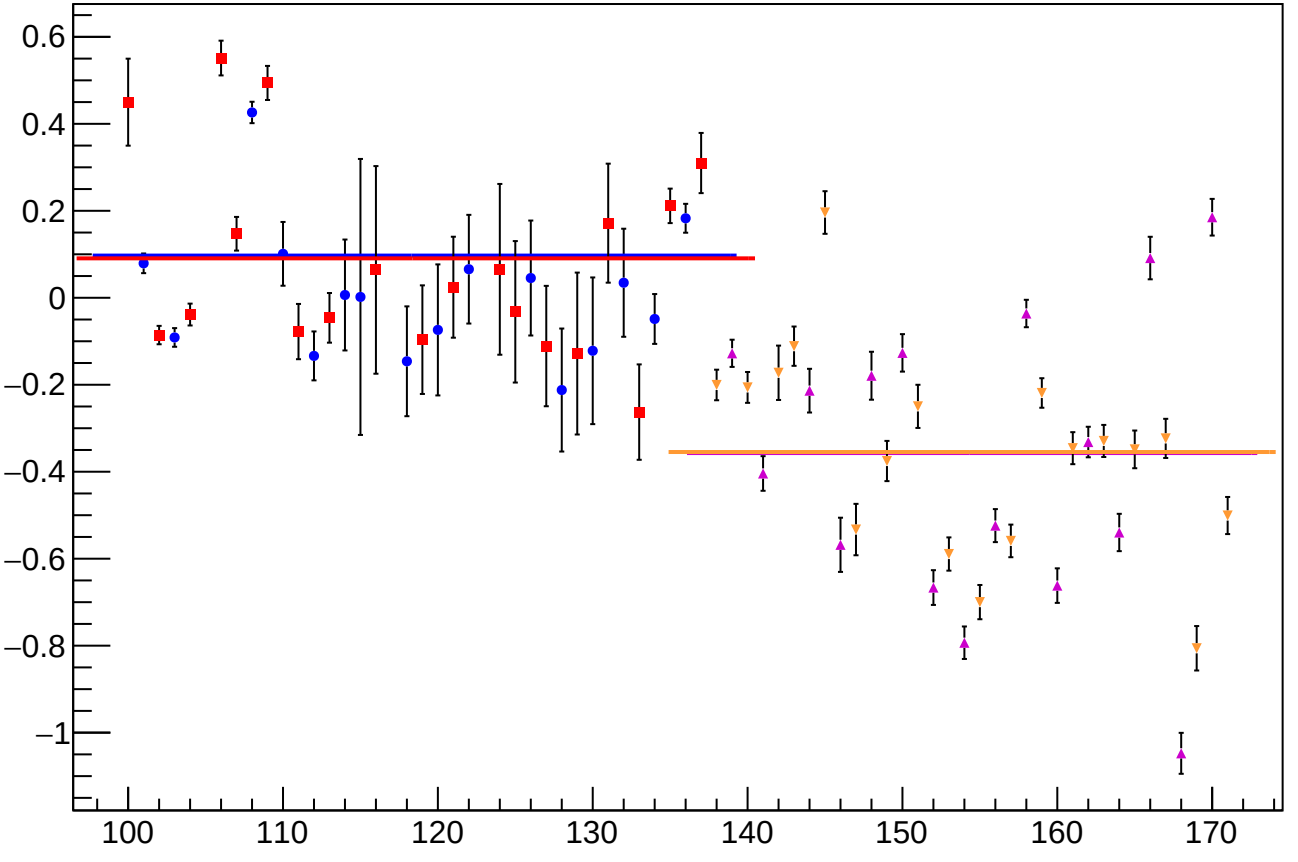
Left In: 71.390+/-0.234 χ^2/NDF:2949.6/15

+ sign 42.002+/-0.168 χ^2/NDF: 68090.7/33

All: 41.121+/-0.121 χ^2/NDF: 127380.2/68

- sign 40.167+/-0.175 χ^2/NDF: 59232.4/34

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.355+/-0.010 χ^2/NDF:465.3/17

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

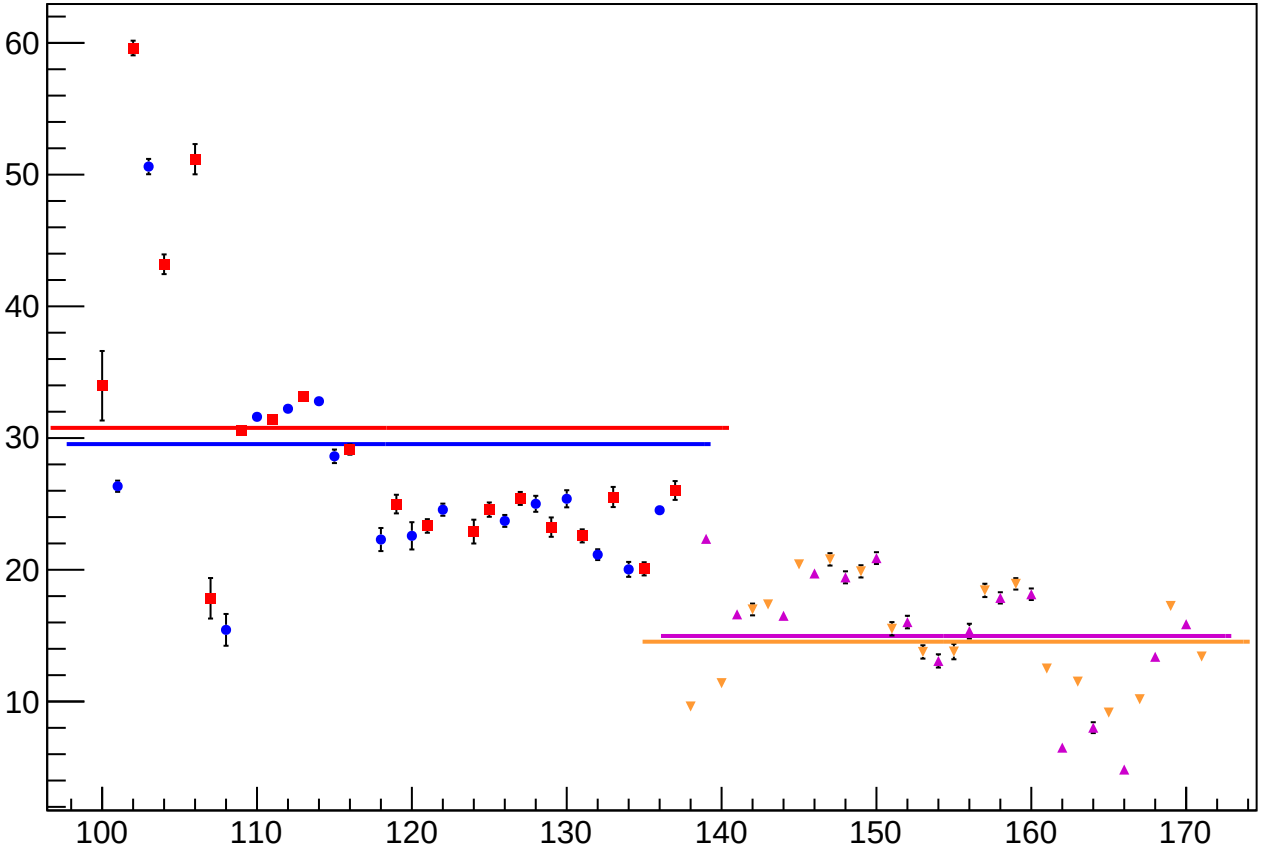
Left In: -0.357+/-0.010 χ^2/NDF:975.0/15

+ sign -0.158+/-0.007 χ^2/NDF: 1678.1/33

All: -0.158+/-0.005 χ^2/NDF: 3910.6/68

- sign -0.158+/-0.008 χ^2/NDF: 2232.5/34

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.541+/-0.088 χ^2/NDF:1990.9/17

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

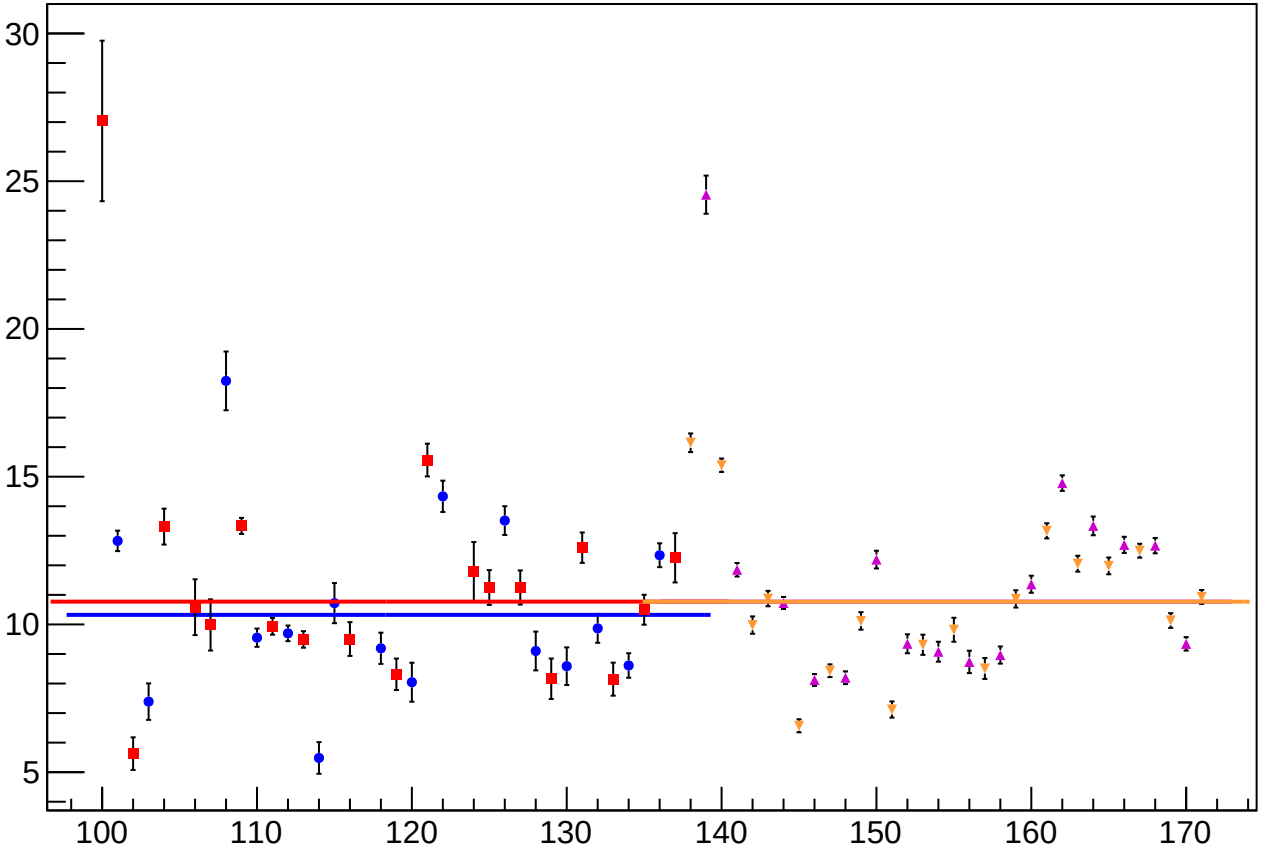
Left In: 14.975+/-0.093 χ^2/NDF:2965.7/15

+ sign 21.748+/-0.064 χ^2/NDF: 19190.1/33

All: 22.966+/-0.044 χ^2/NDF: 44406.3/68

- sign 24.075+/-0.061 χ^2/NDF: 24518.4/34

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.770+/-0.063 χ^2/NDF:1621.4/17

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

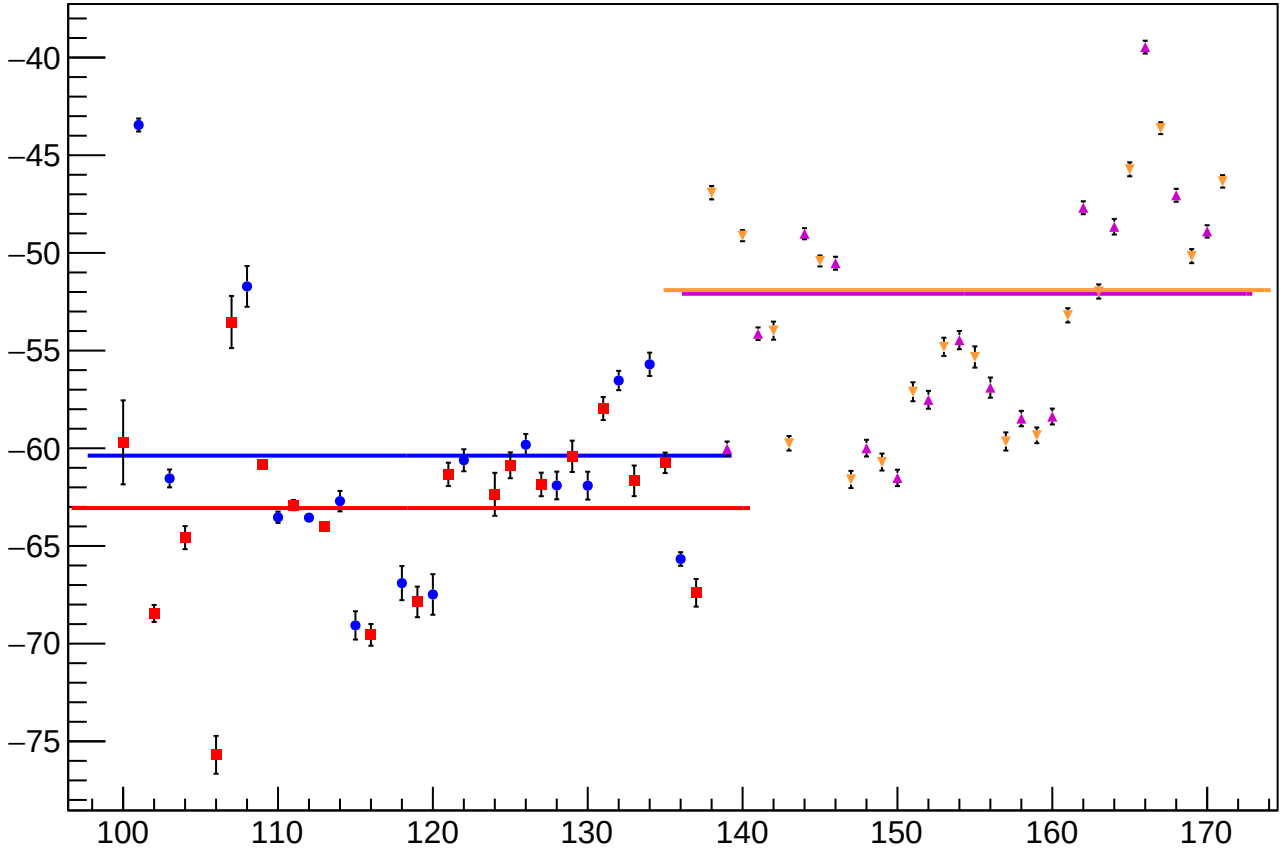
Left In: 10.769+/-0.067 χ^2/NDF:1374.3/15

\+ sign 10.665+/-0.055 χ^2/NDF: 2035.8/33

All: 10.715+/-0.040 χ^2/NDF: 3827.6/68

\- sign 10.770+/-0.057 χ^2/NDF: 1790.1/34

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.905+/-0.088 χ^2/NDF:3890.6/17

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

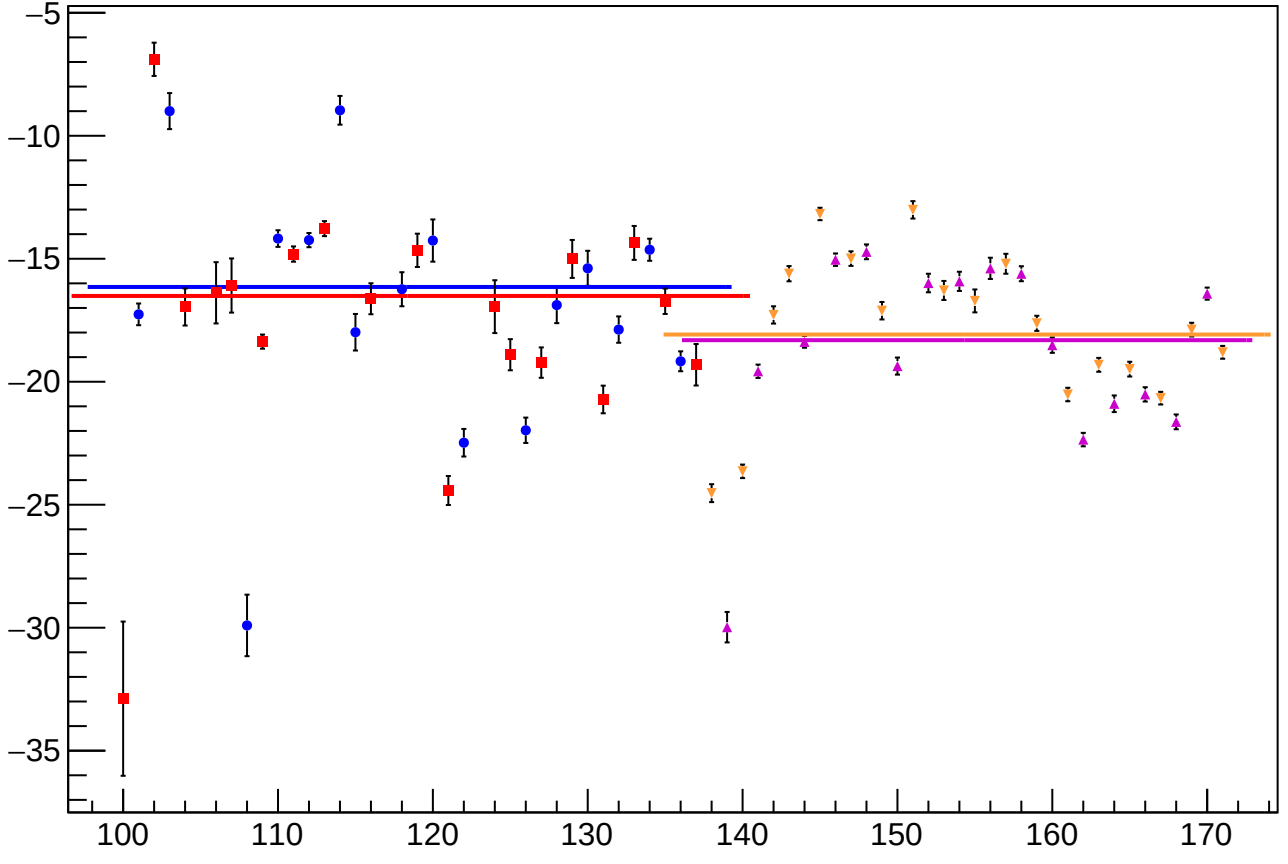
Left In: -52.090+/-0.092 χ^2/NDF:4289.6/15

+ sign -55.090+/-0.069 χ^2/NDF: 10996.0/33

All: -55.904+/-0.049 χ^2/NDF: 22446.7/68

- sign -56.730+/-0.070 χ^2/NDF: 11172.5/34

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.081+/-0.073 χ^2/NDF:1800.2/17

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

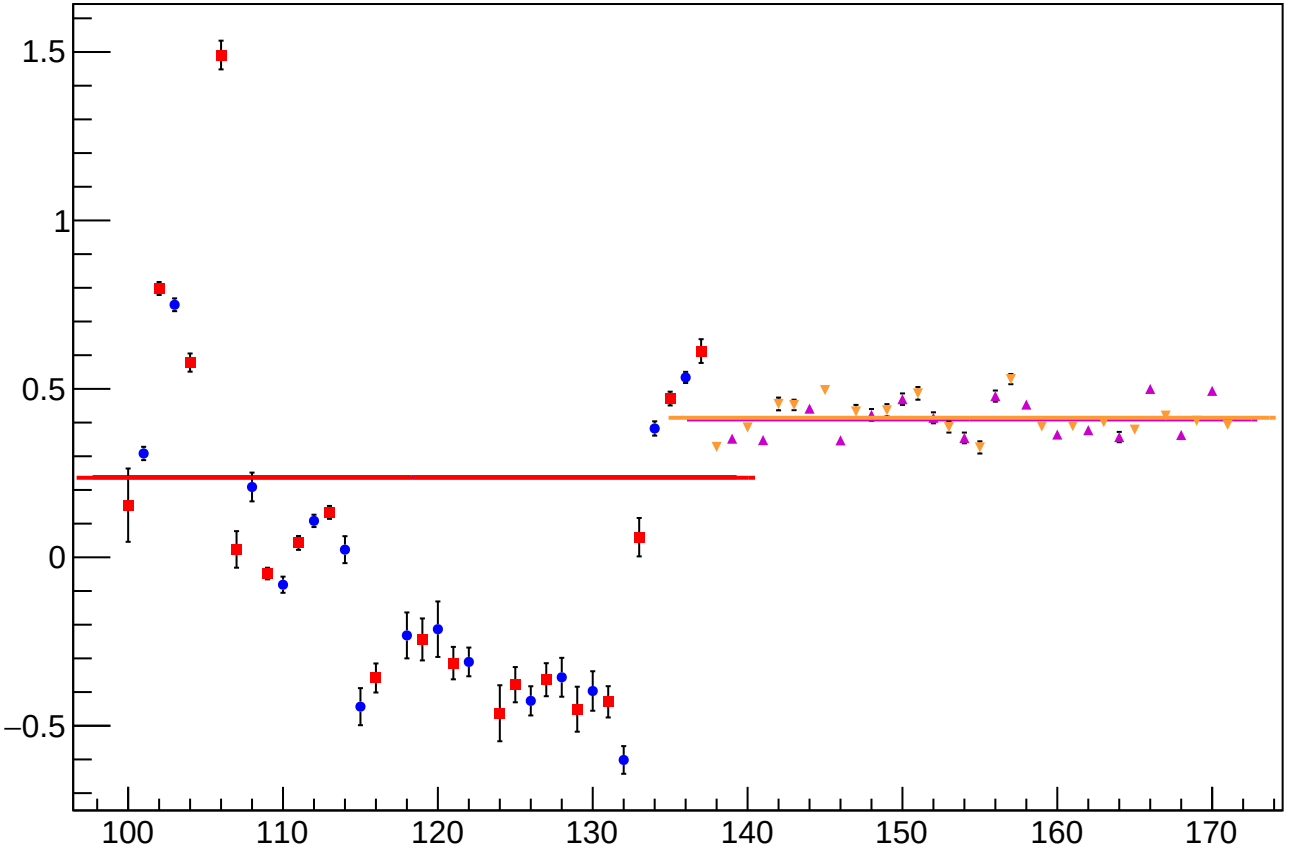
Left In: -18.310+/-0.077 χ^2/NDF:1408.8/15

+ sign -17.605+/-0.063 χ^2/NDF: 2771.6/33

All: -17.707+/-0.045 χ^2/NDF: 5021.4/68

- sign -17.816+/-0.065 χ^2/NDF: 2244.4/34

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.414+/-0.003 χ^2/NDF:230.0/17

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

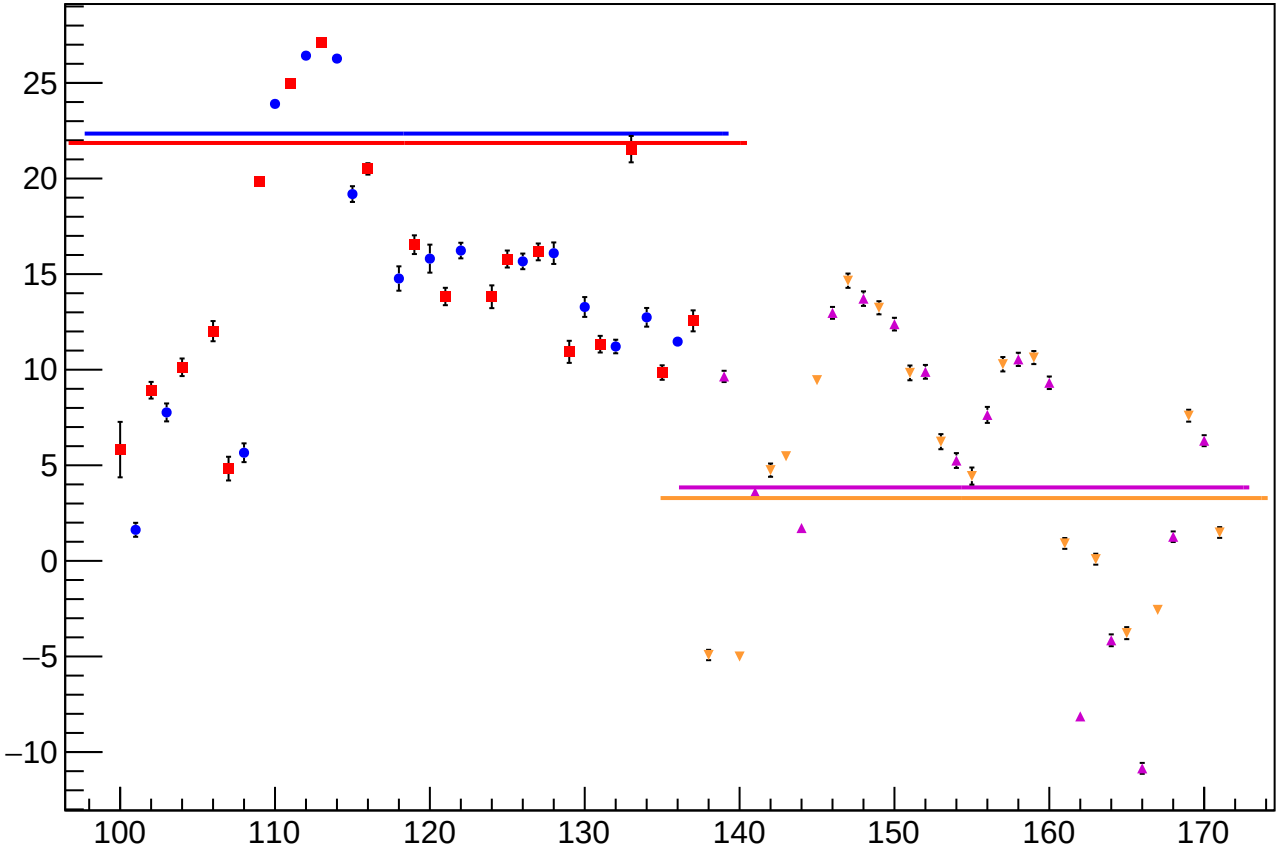
Left In: 0.409+/-0.003 χ^2/NDF:270.7/15

+ sign 0.383+/-0.003 χ^2/NDF: 3375.4/33

All: 0.379+/-0.002 χ^2/NDF: 7724.9/68

- sign 0.376+/-0.003 χ^2/NDF: 4347.2/34

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.286+/-0.071 χ^2/NDF:7507.6/17

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

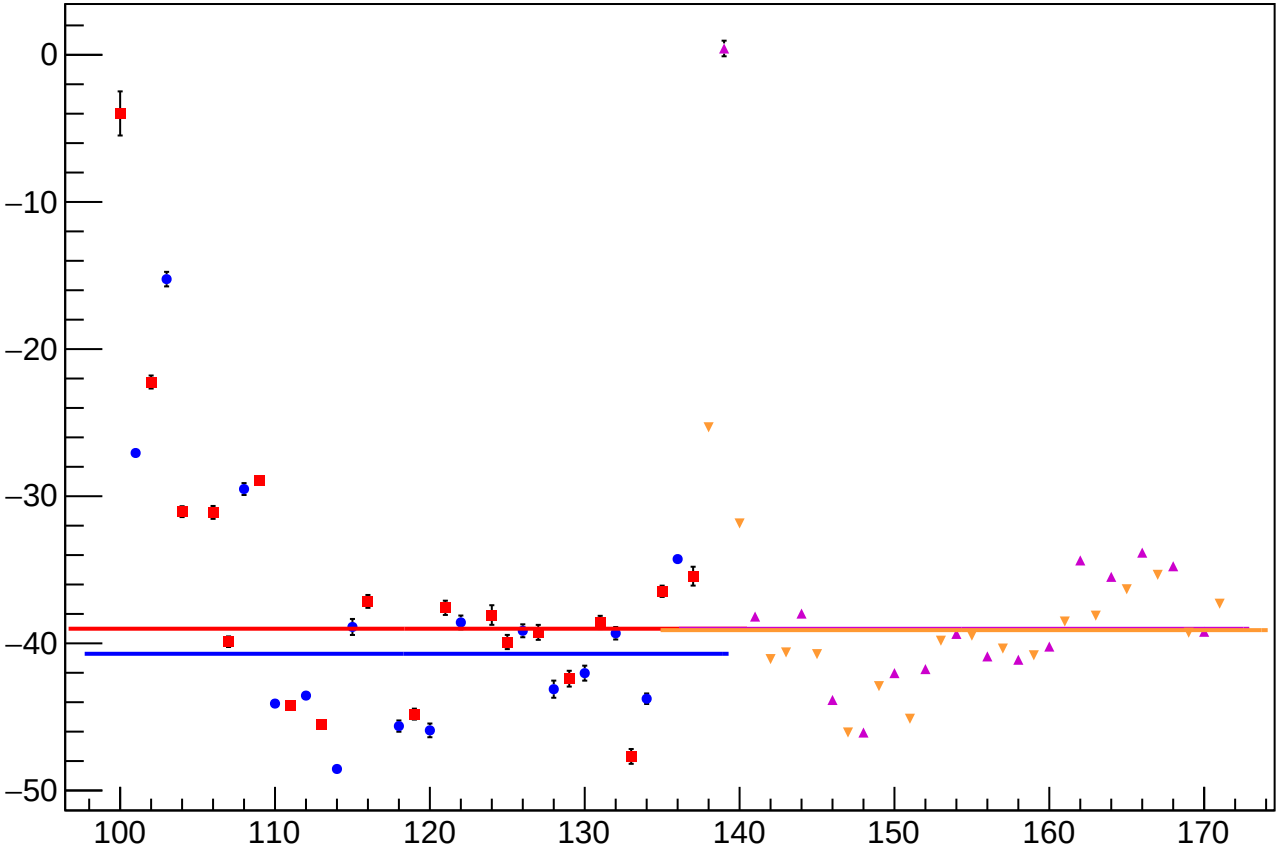
Left In: 3.842+/-0.076 χ^2/NDF:9326.2/15

+ sign 14.898+/-0.044 χ^2/NDF: 64263.8/33

All: 16.047+/-0.029 χ^2/NDF: 126638.2/68

- sign 16.968+/-0.040 χ^2/NDF: 61153.6/34

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.102+/-0.050 χ^2/NDF:8064.1/17

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

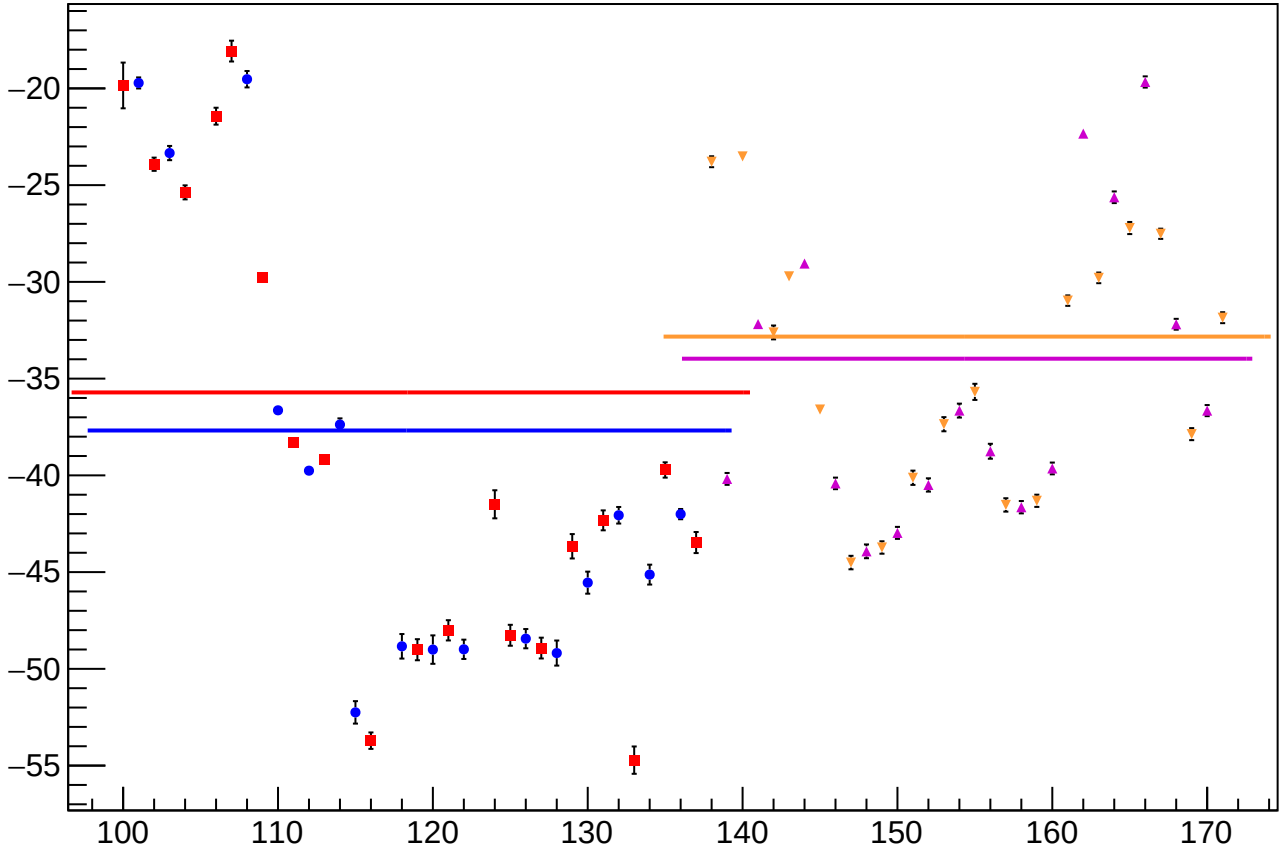
Left In: -39.011+/-0.054 χ^2/NDF:9846.6/15

+ sign -39.587+/-0.042 χ^2/NDF: 16152.7/33

All: -39.306+/-0.030 χ^2/NDF: 36192.7/68

- sign -39.009+/-0.043 χ^2/NDF: 19948.0/34

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.828+/-0.070 χ^2/NDF:8586.2/17

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

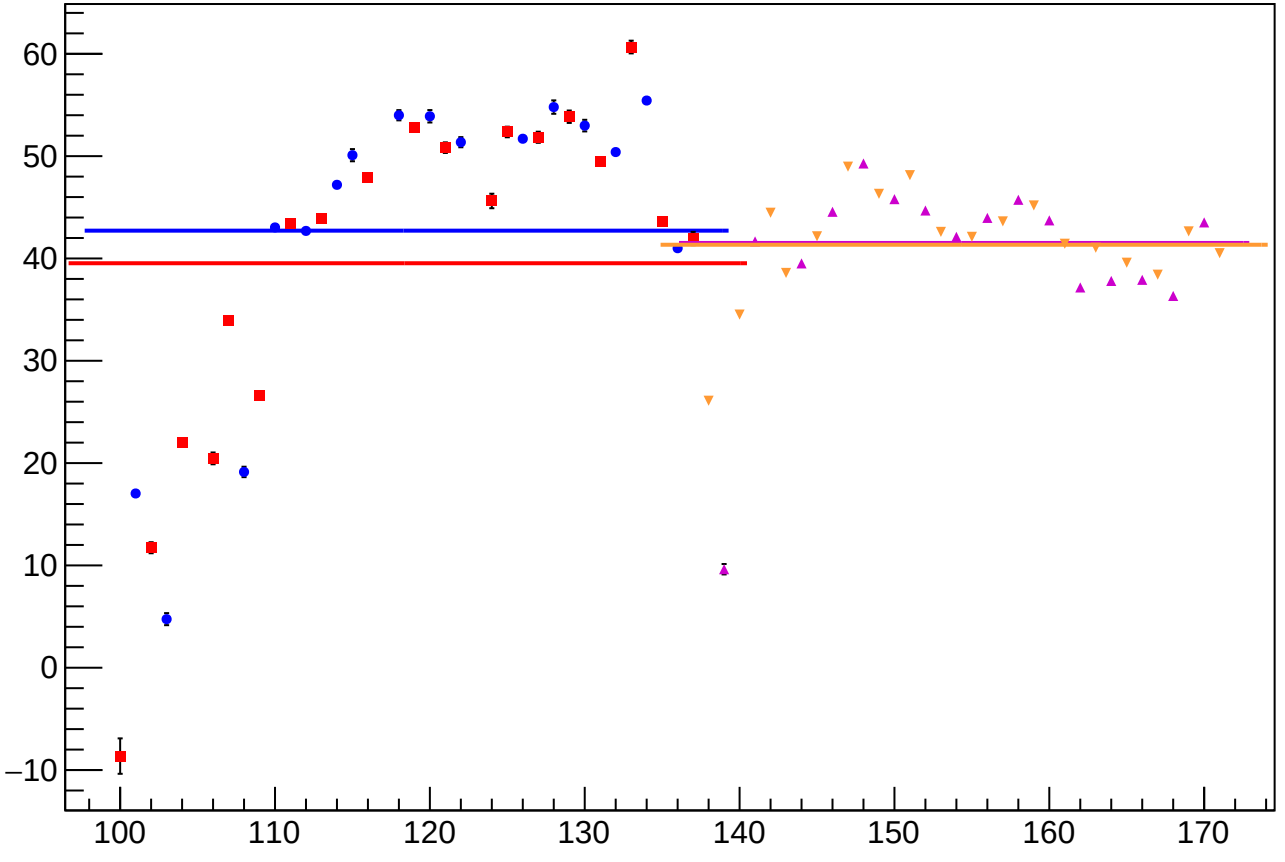
Left In: -33.970+/-0.074 χ^2/NDF:9966.5/15

+ sign -35.123+/-0.051 χ^2/NDF: 21722.4/33

All: -35.042+/-0.035 χ^2/NDF: 45282.8/68

- sign -34.967+/-0.049 χ^2/NDF: 23555.5/34

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.340+/-0.058 χ^2/NDF:6544.1/17

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

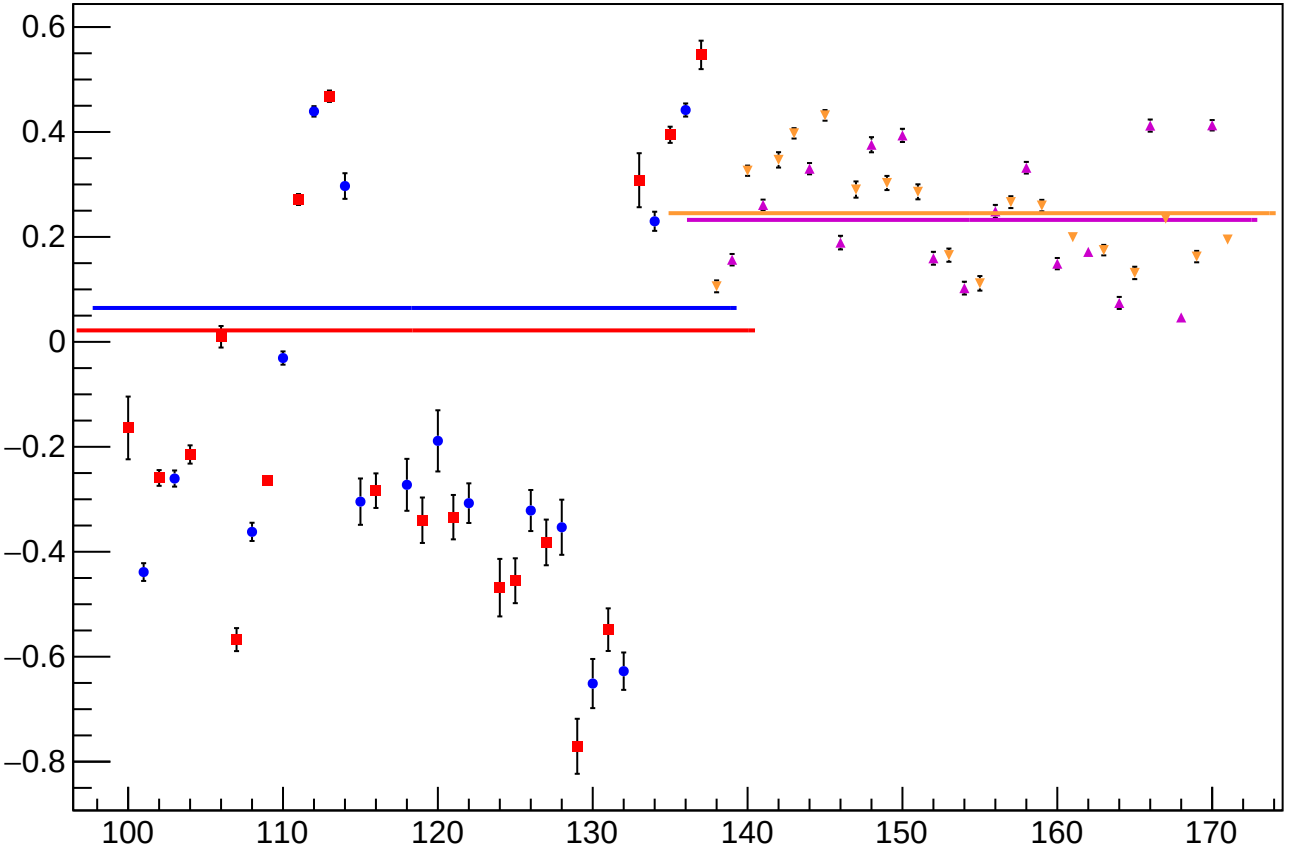
Left In: 41.515+/-0.062 χ^2/NDF:7343.1/15

+ sign 41.776+/-0.048 χ^2/NDF: 21488.4/33

All: 41.270+/-0.034 χ^2/NDF: 47430.7/68

- sign 40.745+/-0.049 χ^2/NDF: 25714.5/34

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.245+/-0.003 χ^2/NDF:1267.1/17

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

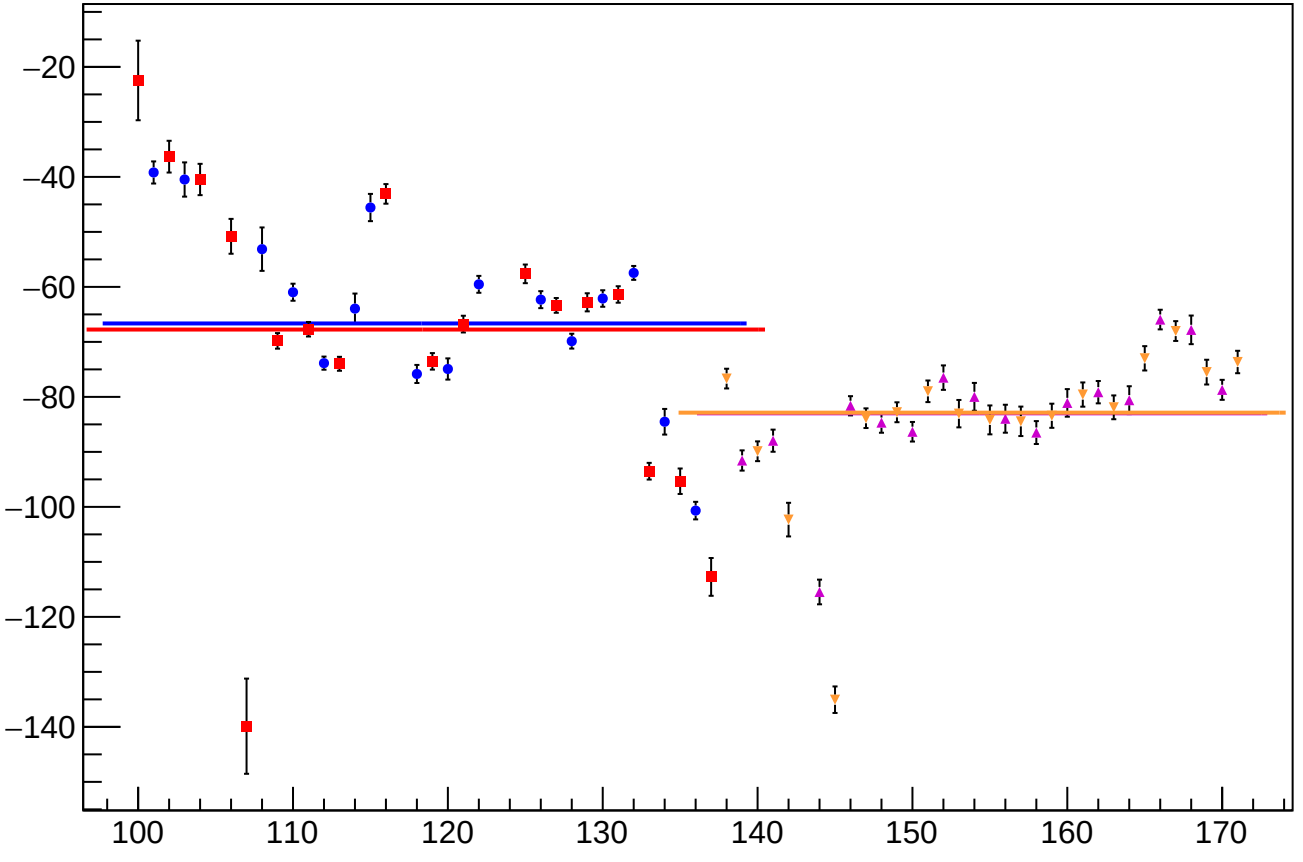
Left In: 0.232+/-0.003 χ^2/NDF:1877.5/15

+ sign 0.204+/-0.002 χ^2/NDF: 7837.8/33

All: 0.188+/-0.002 χ^2/NDF: 17855.7/68

- sign 0.172+/-0.002 χ^2/NDF: 9923.3/34

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -82.866+/-0.513 χ^2/NDF:662.6/16

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

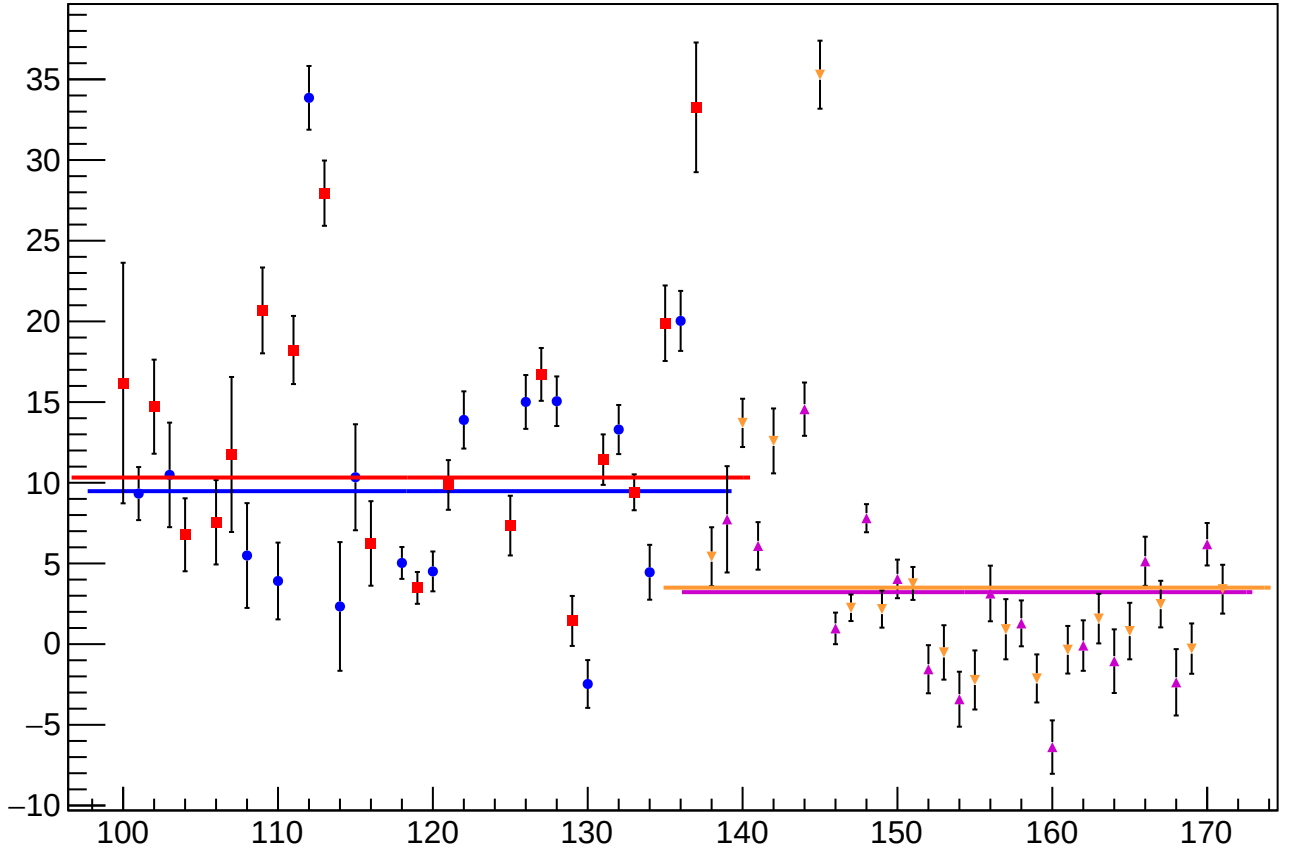
Left In: -82.990+/-0.517 χ^2/NDF:391.2/15

+ sign -73.269+/-0.328 χ^2/NDF: 2306.4/32

All: -73.538+/-0.231 χ^2/NDF: 4478.0/66

- sign -73.803+/-0.326 χ^2/NDF: 2170.3/33

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.501+/-0.346 χ^2/NDF:347.9/16

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

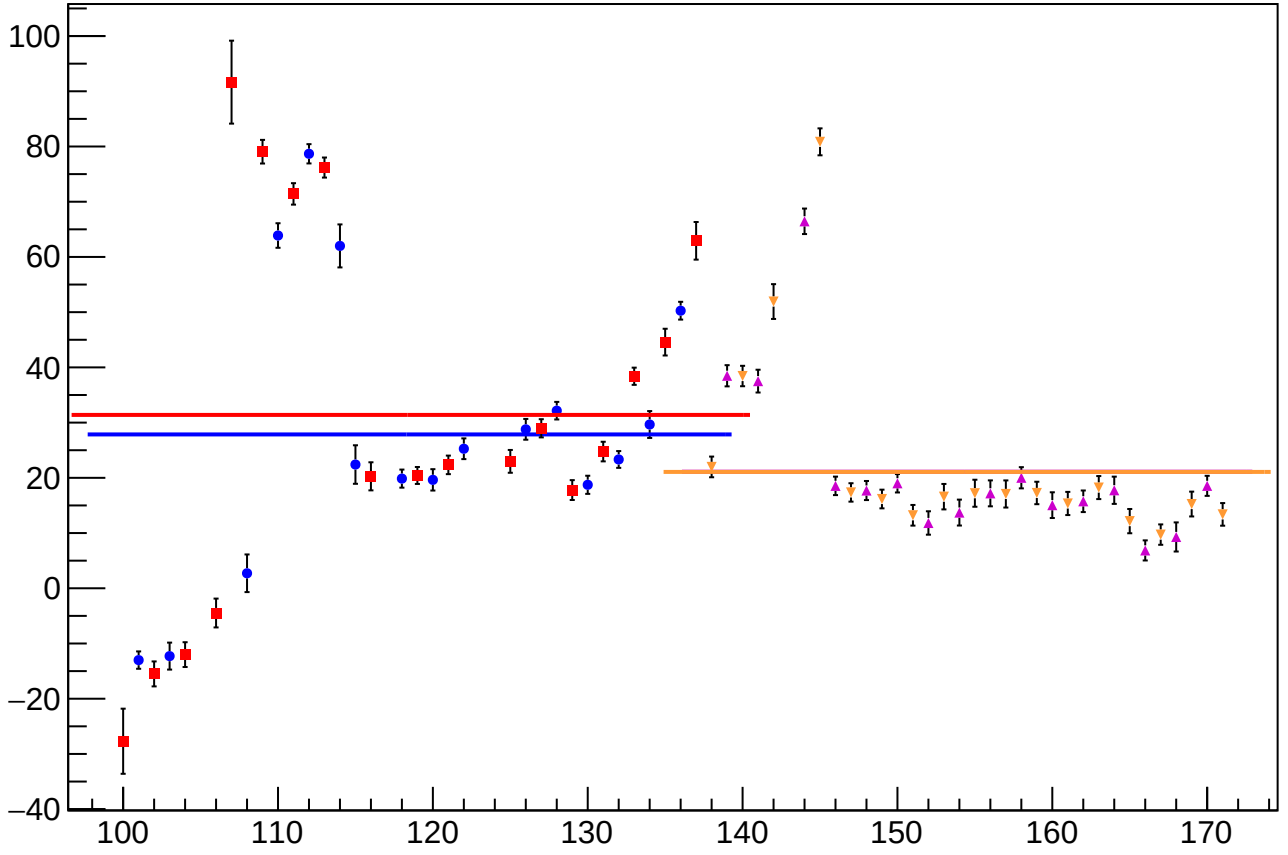
Left In: 3.221+/-0.356 χ^2/NDF:170.3/15

+ sign 5.867+/-0.269 χ^2/NDF: 807.6/32

All: 5.965+/-0.193 χ^2/NDF: 1401.0/66

- sign 6.067+/-0.276 χ^2/NDF: 593.1/33

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.072+/-0.500 χ^2/NDF:912.1/16

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

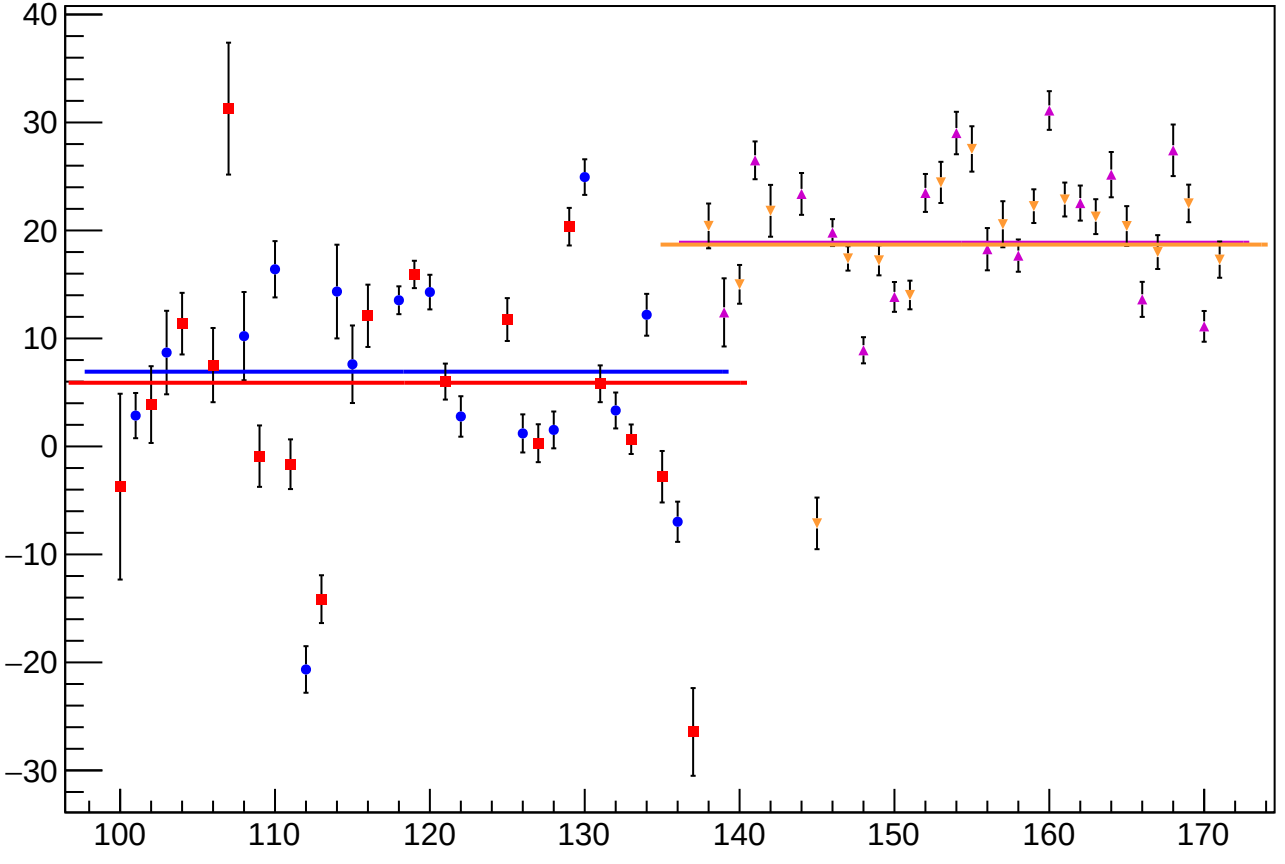
Left In: 21.107+/-0.502 χ^2/NDF:670.4/15

+ sign 24.588+/-0.347 χ^2/NDF: 3481.5/32

All: 25.489+/-0.246 χ^2/NDF: 7392.8/66

- sign 26.404+/-0.350 χ^2/NDF: 3897.8/33

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.692+/-0.406 χ^2/NDF:187.1/16

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

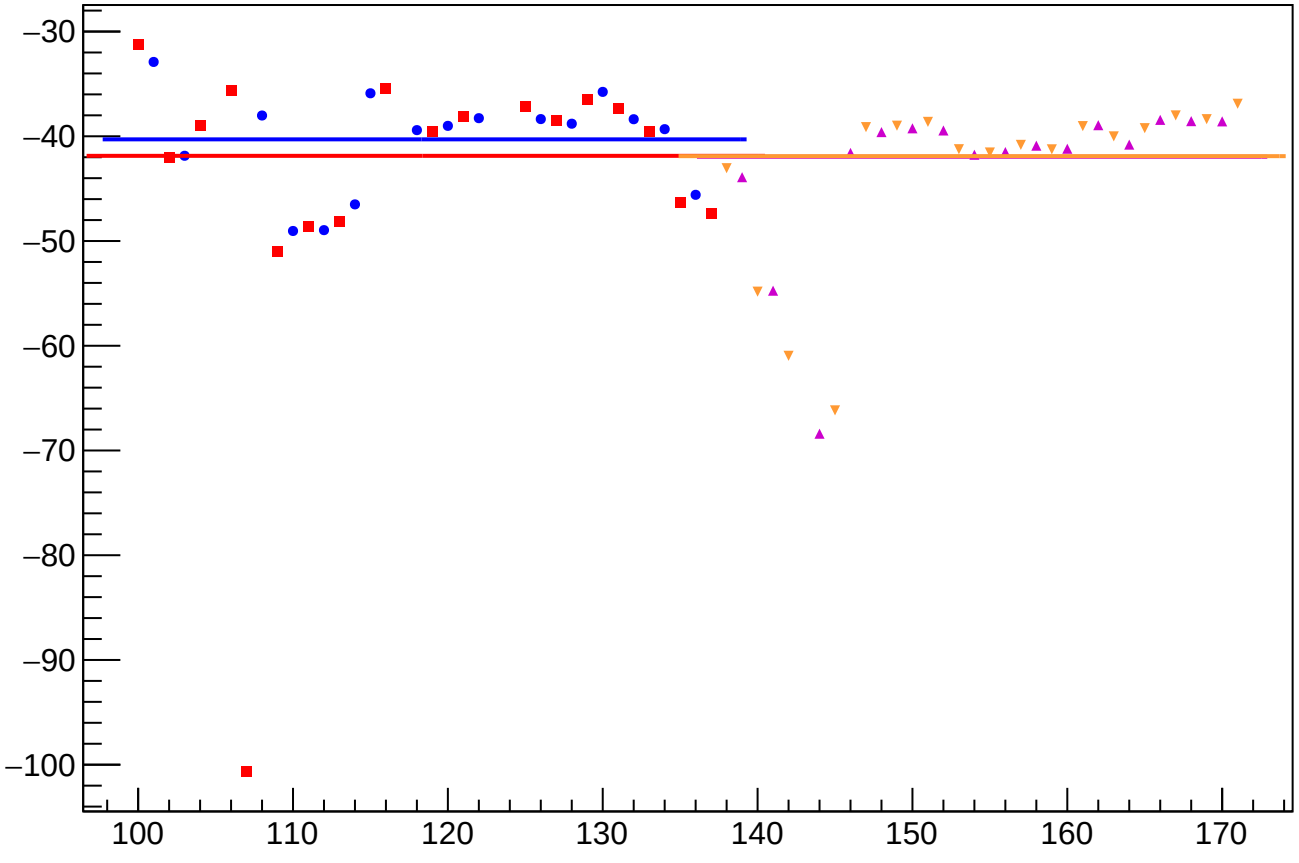
Left In: 18.865+/-0.415 χ^2/NDF:257.9/15

+ sign 13.968+/-0.314 χ^2/NDF: 969.2/32

All: 13.784+/-0.224 χ^2/NDF: 1991.9/66

- sign 13.592+/-0.320 χ^2/NDF: 1022.0/33

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.897+/-0.019 χ^2/NDF:129366.4/16

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

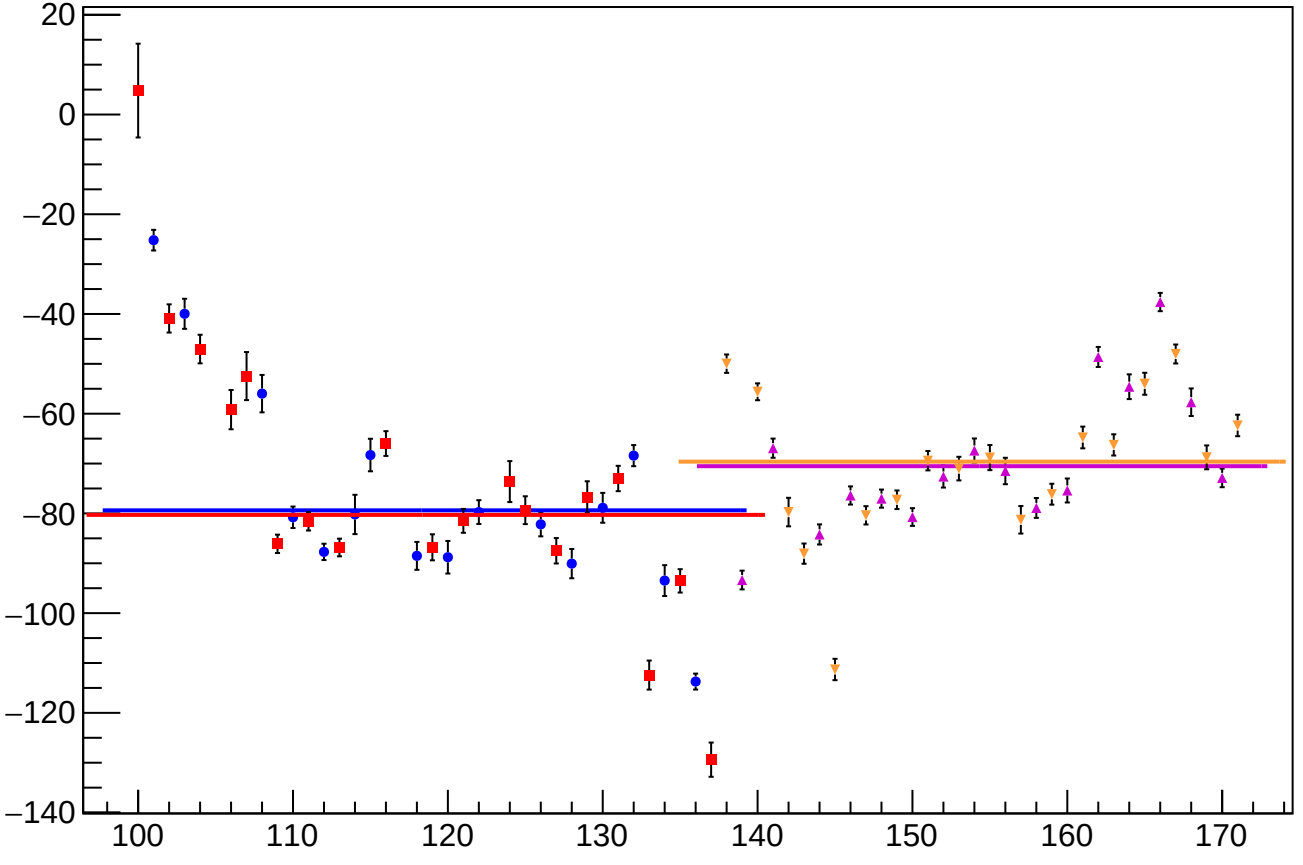
Left In: -41.954+/-0.019 χ^2/NDF:101427.5/15

+ sign -41.473+/-0.016 χ^2/NDF: 151949.8/32

All: -41.701+/-0.011 χ^2/NDF: 312517.1/66

- sign -41.932+/-0.016 χ^2/NDF: 160167.6/33

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -69.614+/-0.495 χ^2/NDF:934.0/17

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

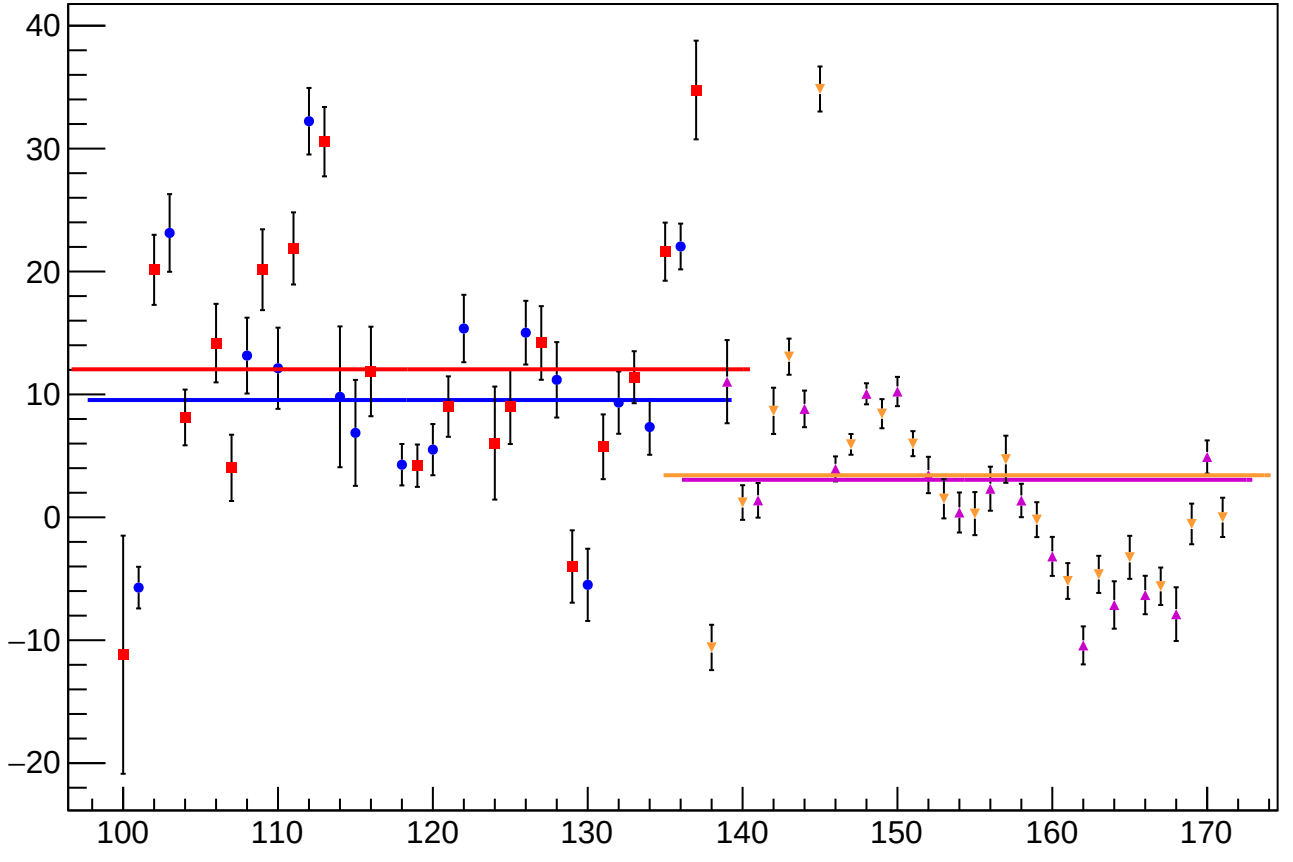
Left In: -70.529+/-0.514 χ^2/NDF:782.9/15

+ sign -73.488+/-0.385 χ^2/NDF: 2564.1/33

All: -74.048+/-0.274 χ^2/NDF: 4417.6/68

- sign -74.628+/-0.391 χ^2/NDF: 1849.3/34

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 3.423+/-0.337 χ^2/NDF:573.4/17

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

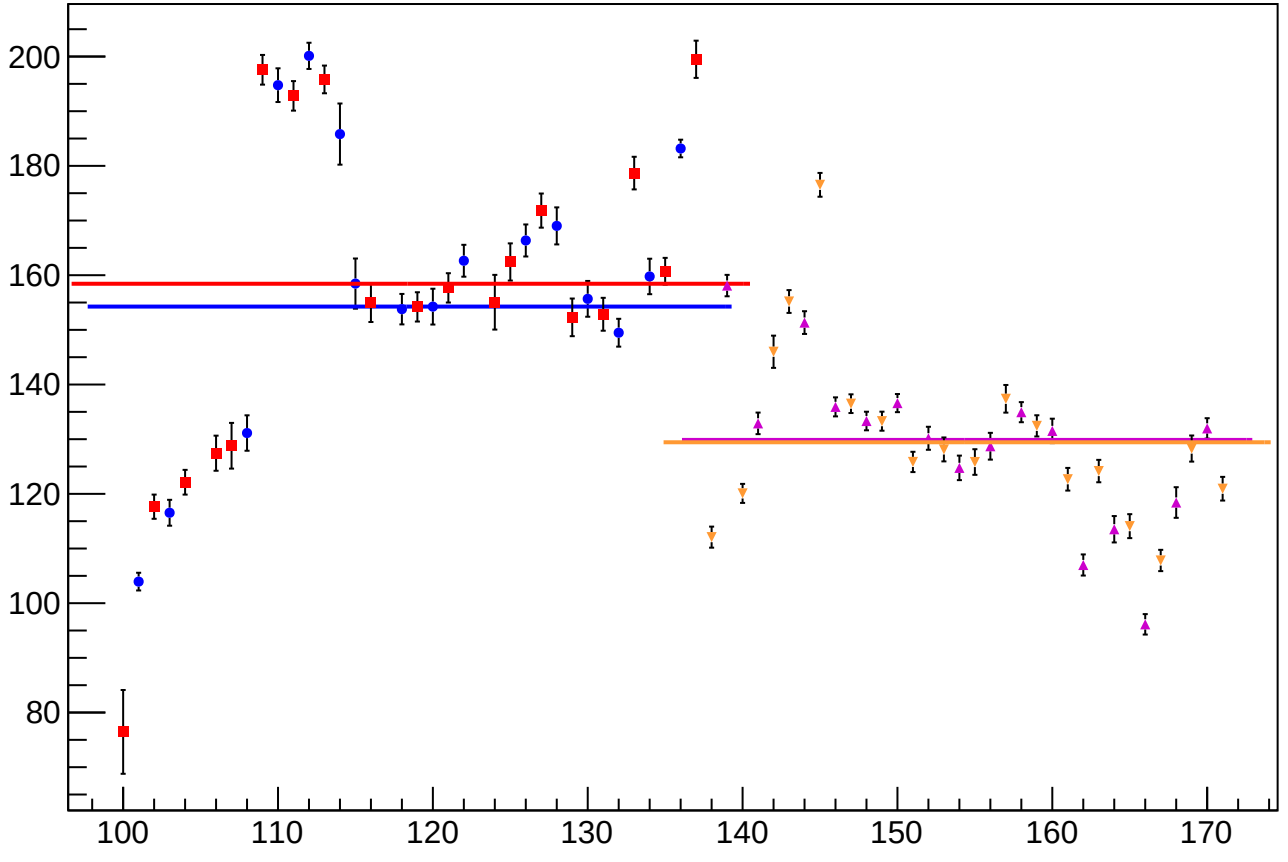
Left In: 3.055+/-0.353 χ^2/NDF:312.3/15

\+ sign 4.811+/-0.296 χ^2/NDF: 915.4/33

All: 4.983+/-0.214 χ^2/NDF: 1576.6/68

\- sign 5.169+/-0.309 χ^2/NDF: 660.5/34

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.437+/-0.484 χ^2/NDF:1007.4/17

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

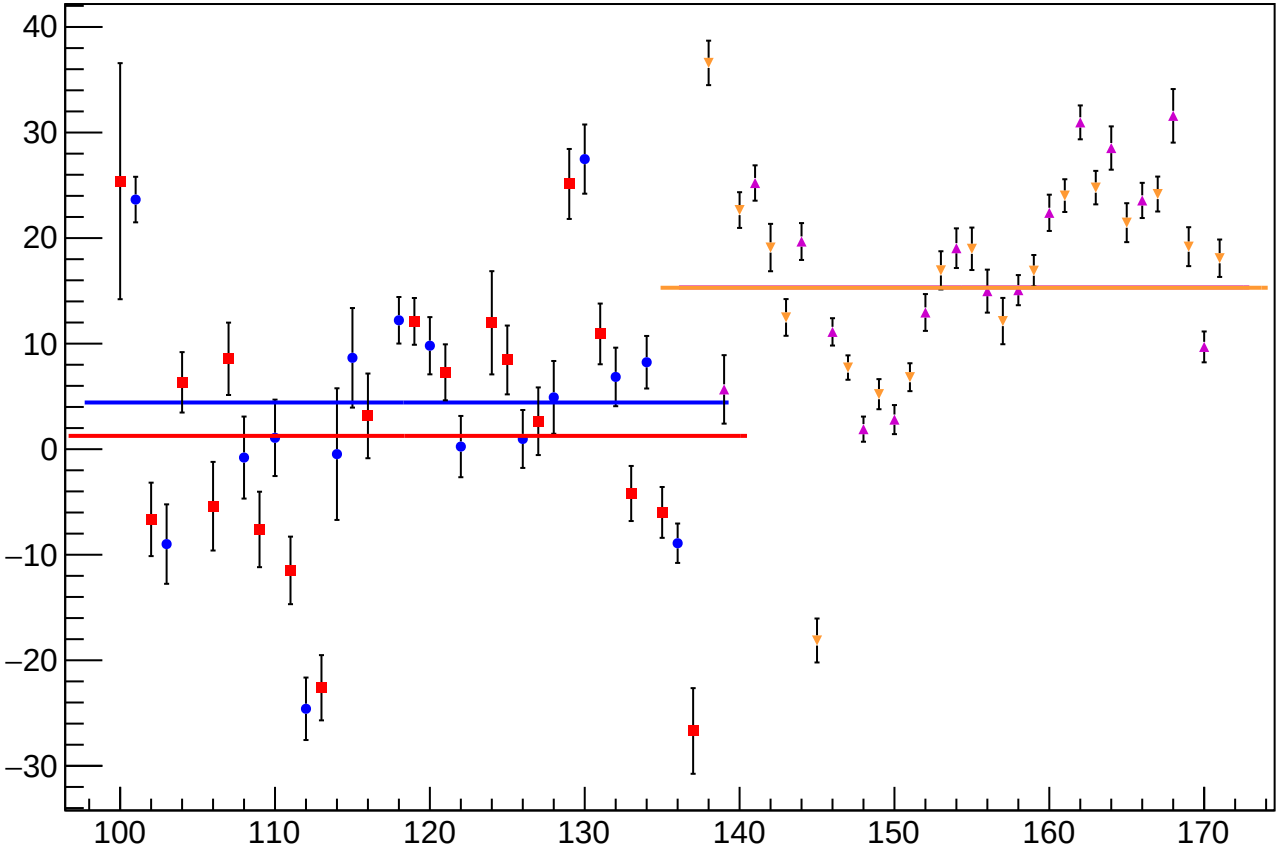
Left In: 129.867+/-0.499 χ^2/NDF:892.3/15

+ sign 138.099+/-0.391 χ^2/NDF: 4137.2/33

All: 138.932+/-0.281 χ^2/NDF: 7844.7/68

- sign 139.817+/-0.403 χ^2/NDF: 3698.1/34

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 15.295+/-0.394 χ^2/NDF:639.9/17

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

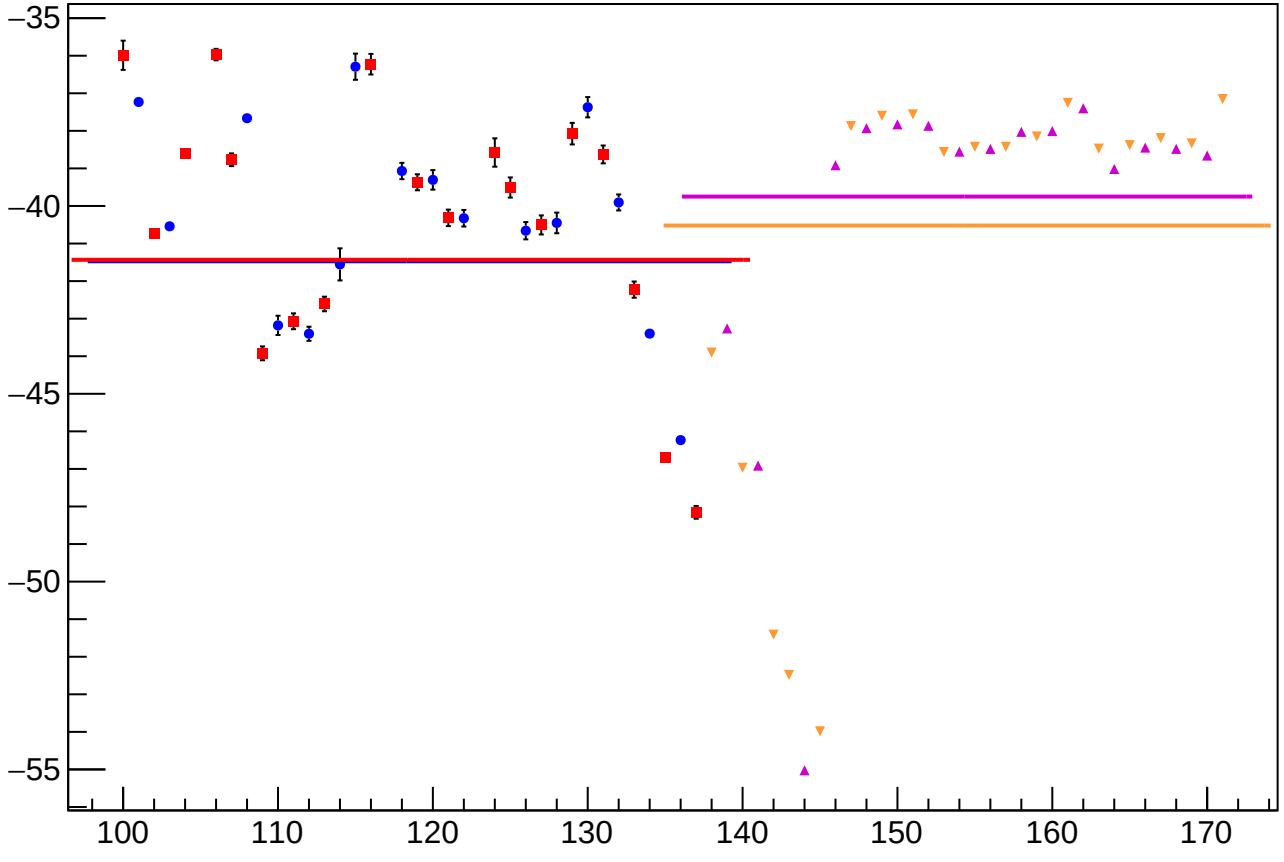
Left In: 15.324+/-0.412 χ^2/NDF:509.5/15

+ sign 12.757+/-0.345 χ^2/NDF: 1133.7/33

All: 12.365+/-0.249 χ^2/NDF: 2191.3/68

- sign 11.940+/-0.359 χ^2/NDF: 1055.0/34

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.521+/-0.018 χ^2/NDF:75422.5/17

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

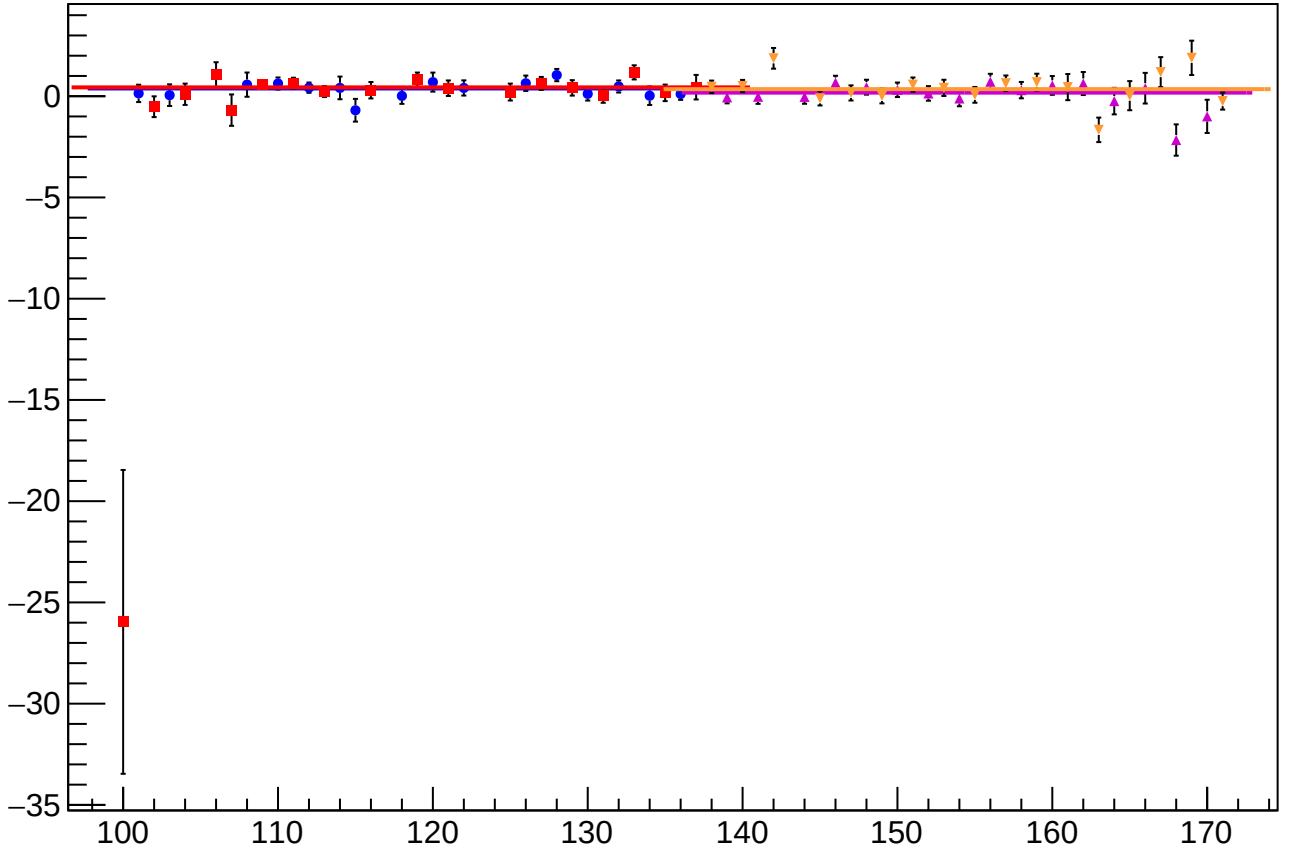
Left In: -39.749+/-0.019 χ^2/NDF:43156.6/15

+ sign -40.700+/-0.017 χ^2/NDF: 83839.4/33

All: -40.388+/-0.012 χ^2/NDF: 137432.9/68

- sign -40.060+/-0.017 χ^2/NDF: 52862.5/34

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.349+/-0.102 χ^2/NDF:32.0/16

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

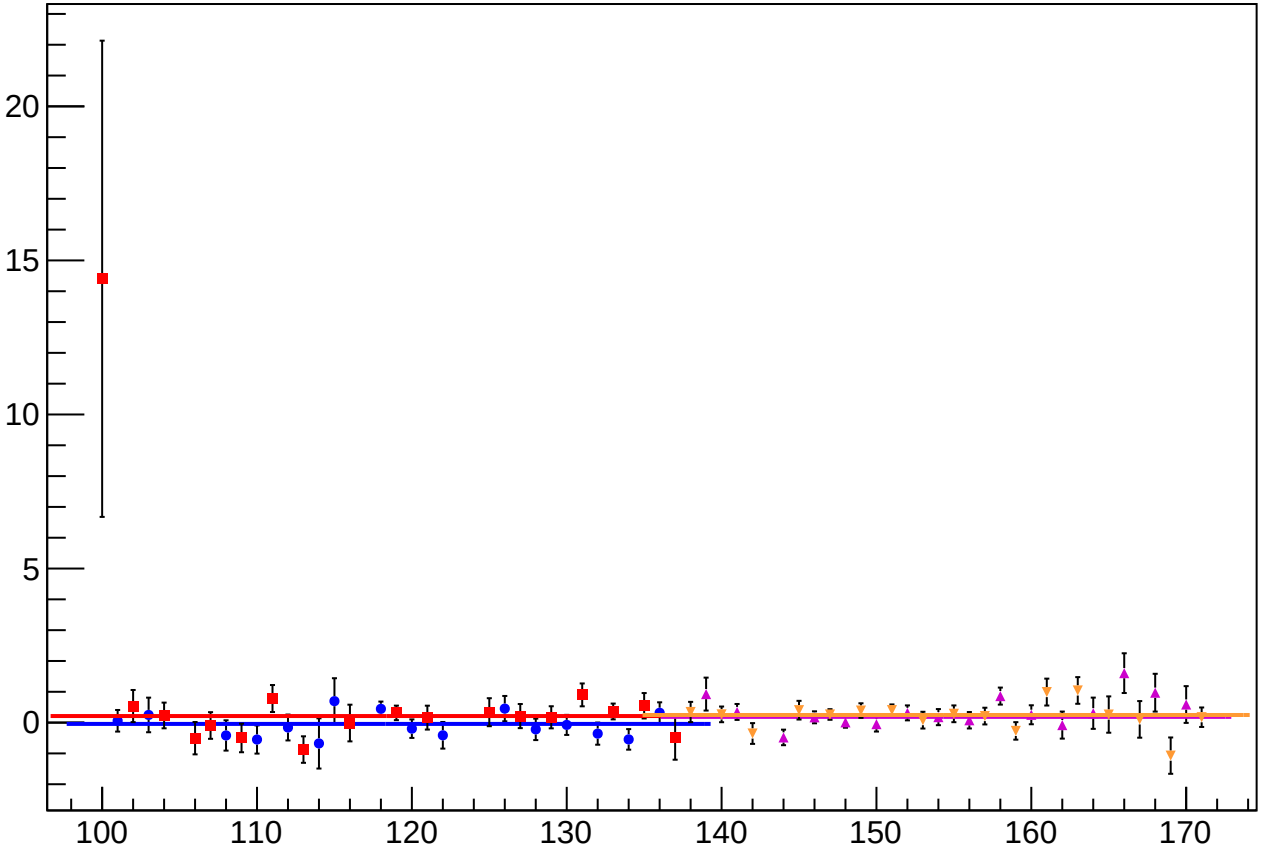
Left In: 0.177+/-0.103 χ^2/NDF:19.6/15

+ sign 0.367+/-0.068 χ^2/NDF: 46.0/32

All: 0.345+/-0.048 χ^2/NDF: 98.4/66

- sign 0.324+/-0.068 χ^2/NDF: 52.2/33

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.247+/-0.069 χ^2/NDF:19.8/16

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

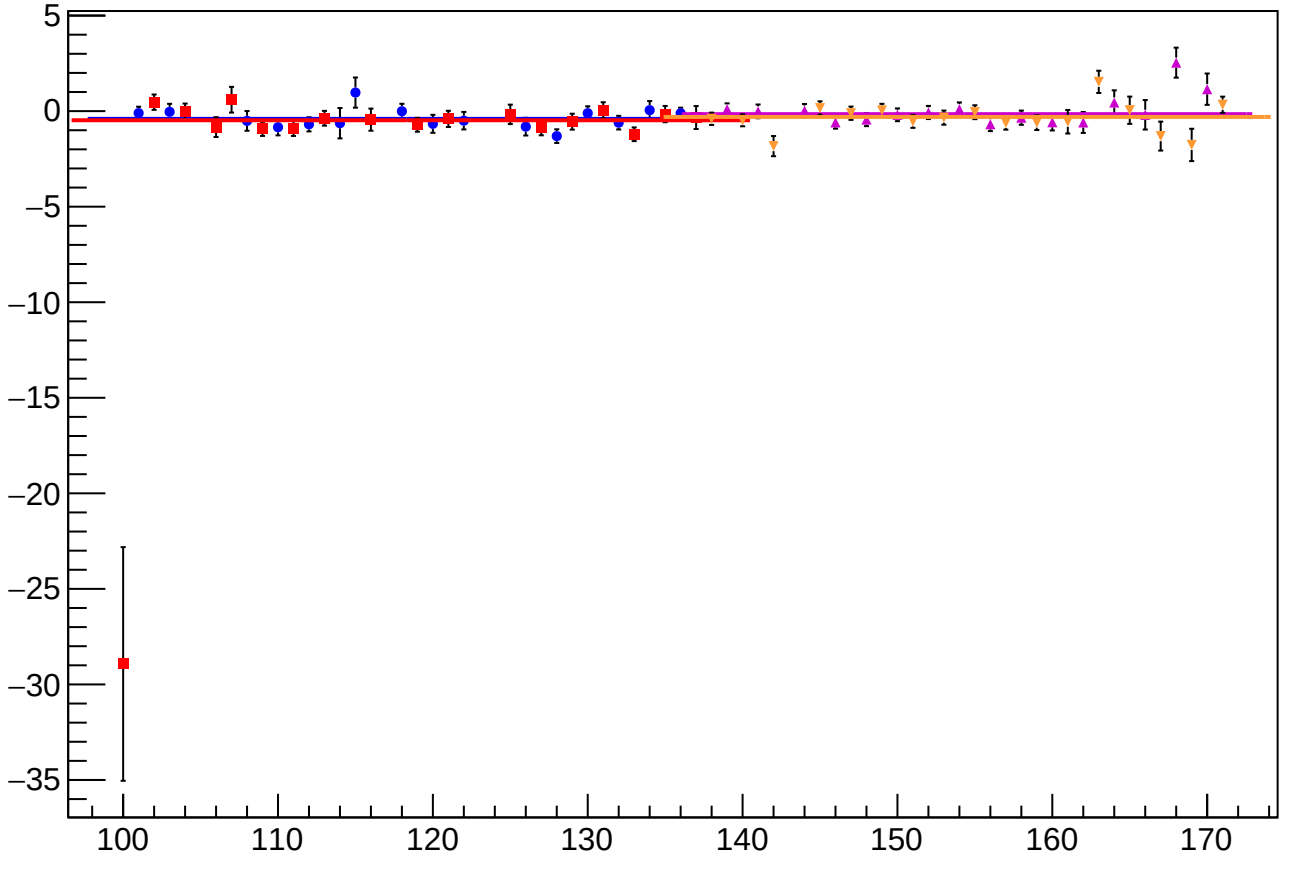
Left In: 0.186+/-0.071 χ^2/NDF:25.1/15

+ sign 0.145+/-0.056 χ^2/NDF: 40.9/32

All: 0.170+/-0.040 χ^2/NDF: 88.9/66

- sign 0.196+/-0.057 χ^2/NDF: 47.6/33

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.304+/-0.099 χ^2/NDF:31.4/16

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

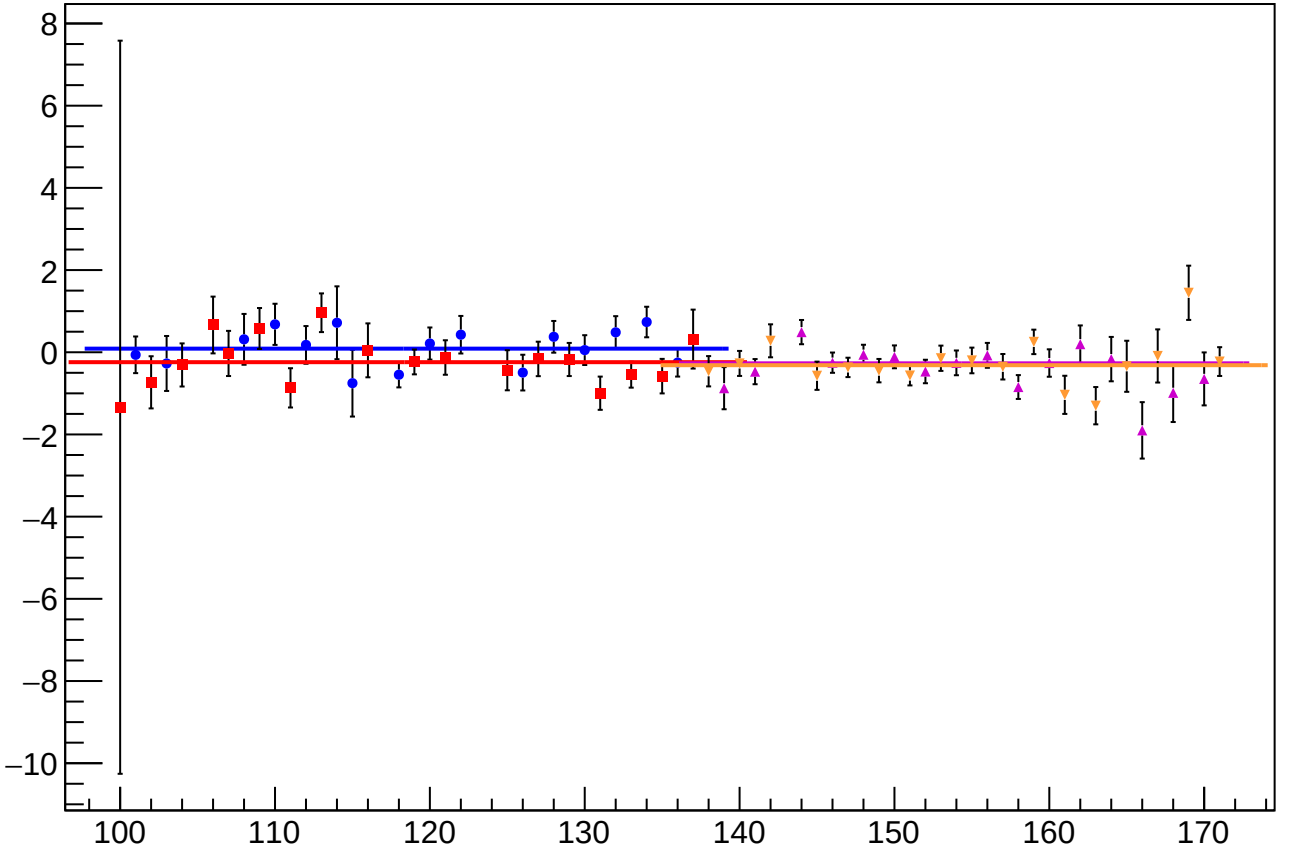
Left In: -0.159+/-0.100 χ^2/NDF:23.3/15

+ sign -0.353+/-0.071 χ^2/NDF: 49.7/32

All: -0.332+/-0.051 χ^2/NDF: 120.3/66

- sign -0.312+/-0.072 χ^2/NDF: 70.5/33

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.315+/-0.082 χ^2/NDF:22.8/16

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

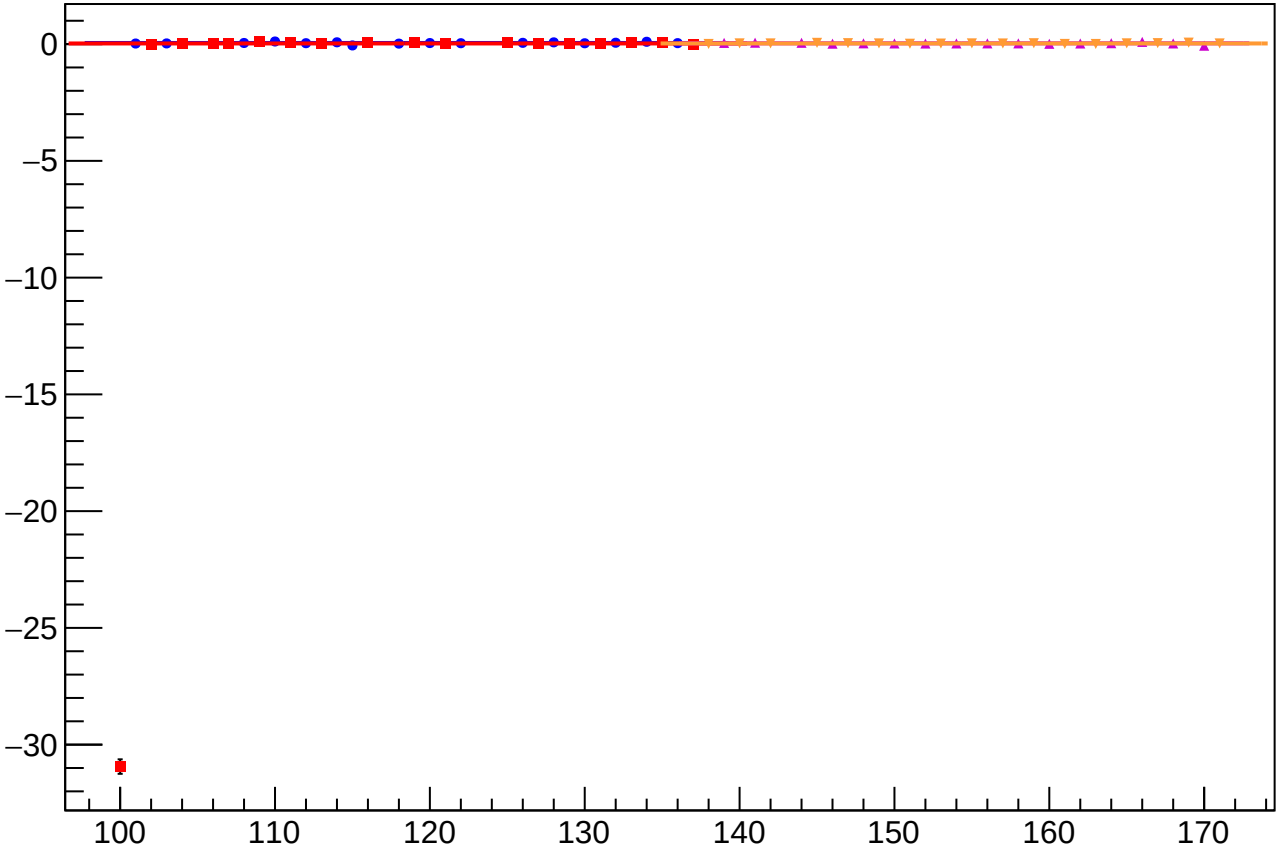
Left In: -0.269+/-0.084 χ^2/NDF:22.5/15

+ sign -0.167+/-0.065 χ^2/NDF: 47.4/32

All: -0.212+/-0.047 χ^2/NDF: 90.5/66

- sign -0.259+/-0.067 χ^2/NDF: 42.1/33

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:12.0/16

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

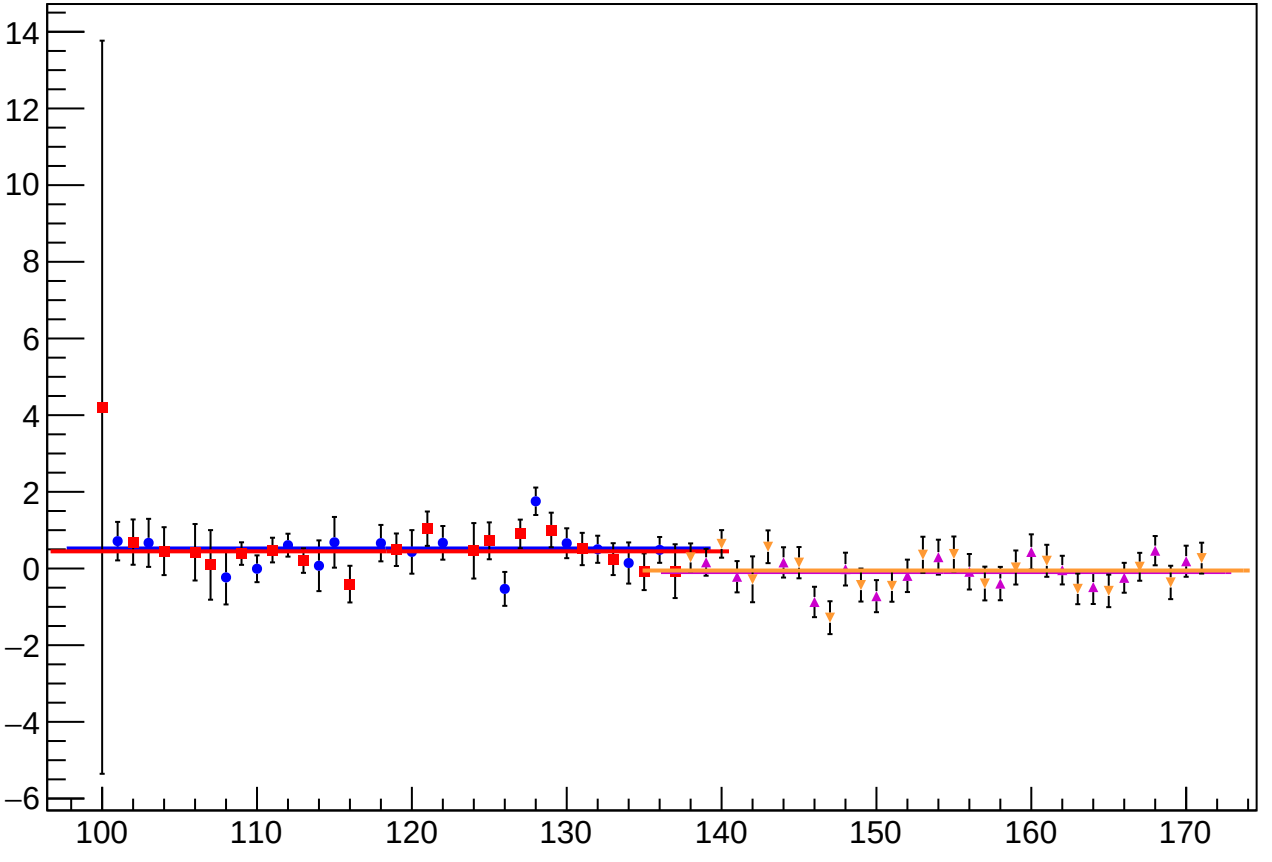
Left In: 0.034+/-0.004 χ^2/NDF:28.9/15

+ sign 0.033+/-0.003 χ^2/NDF: 39.2/32

All: 0.033+/-0.002 χ^2/NDF: 10089.8/66

- sign 0.032+/-0.003 χ^2/NDF: 10050.5/33

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.052+/-0.099 χ^2/NDF:24.0/17

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

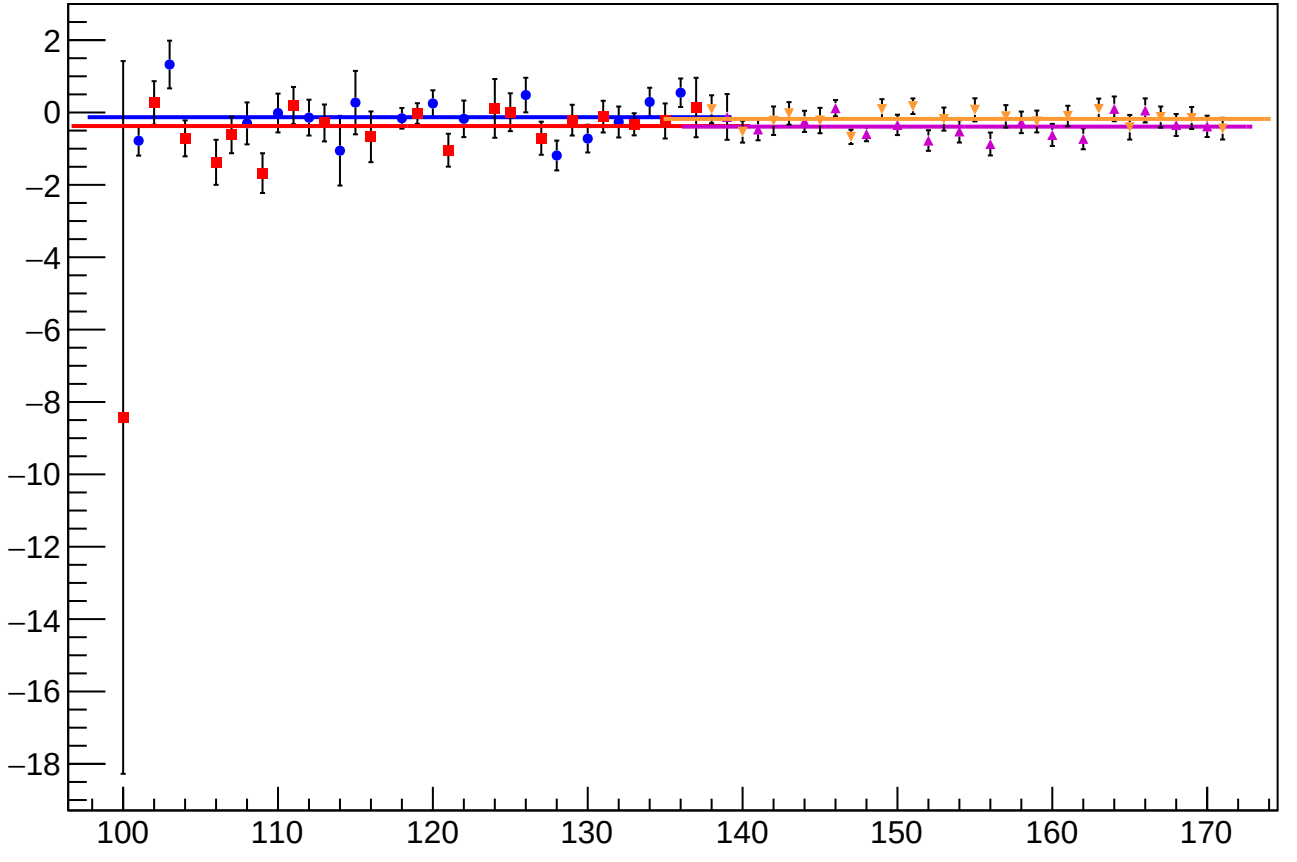
Left In: -0.093+/-0.103 χ^2/NDF:13.3/15

+ sign 0.208+/-0.073 χ^2/NDF: 61.9/33

All: 0.190+/-0.052 χ^2/NDF: 100.3/68

- sign 0.171+/-0.073 χ^2/NDF: 38.3/34

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.178+/-0.069 χ^2/NDF:15.1/17

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

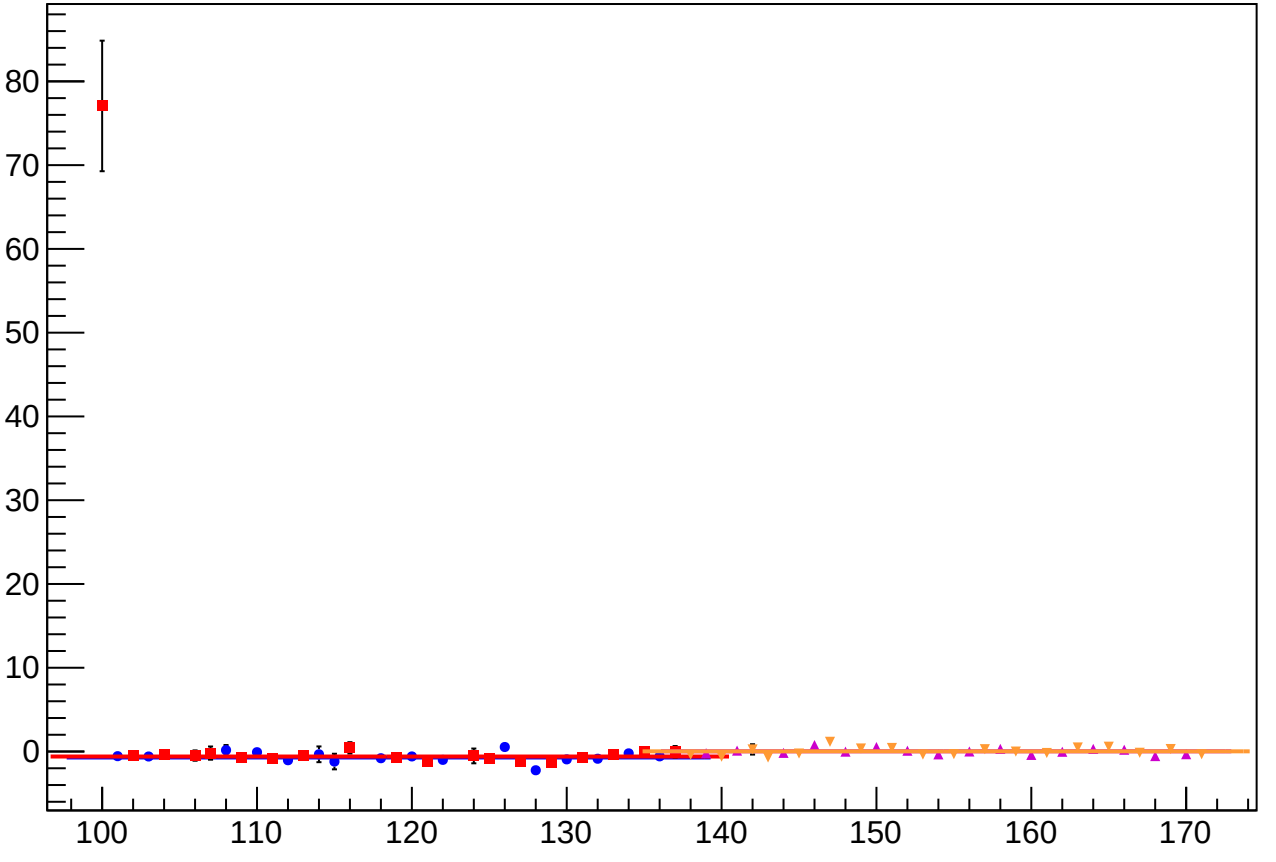
Left In: -0.391+/-0.073 χ^2/NDF:17.0/15

+ sign -0.165+/-0.059 χ^2/NDF: 39.8/33

All: -0.271+/-0.042 χ^2/NDF: 81.8/68

- sign -0.386+/-0.061 χ^2/NDF: 35.2/34

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.022+/-0.097 χ^2/NDF:24.0/17

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

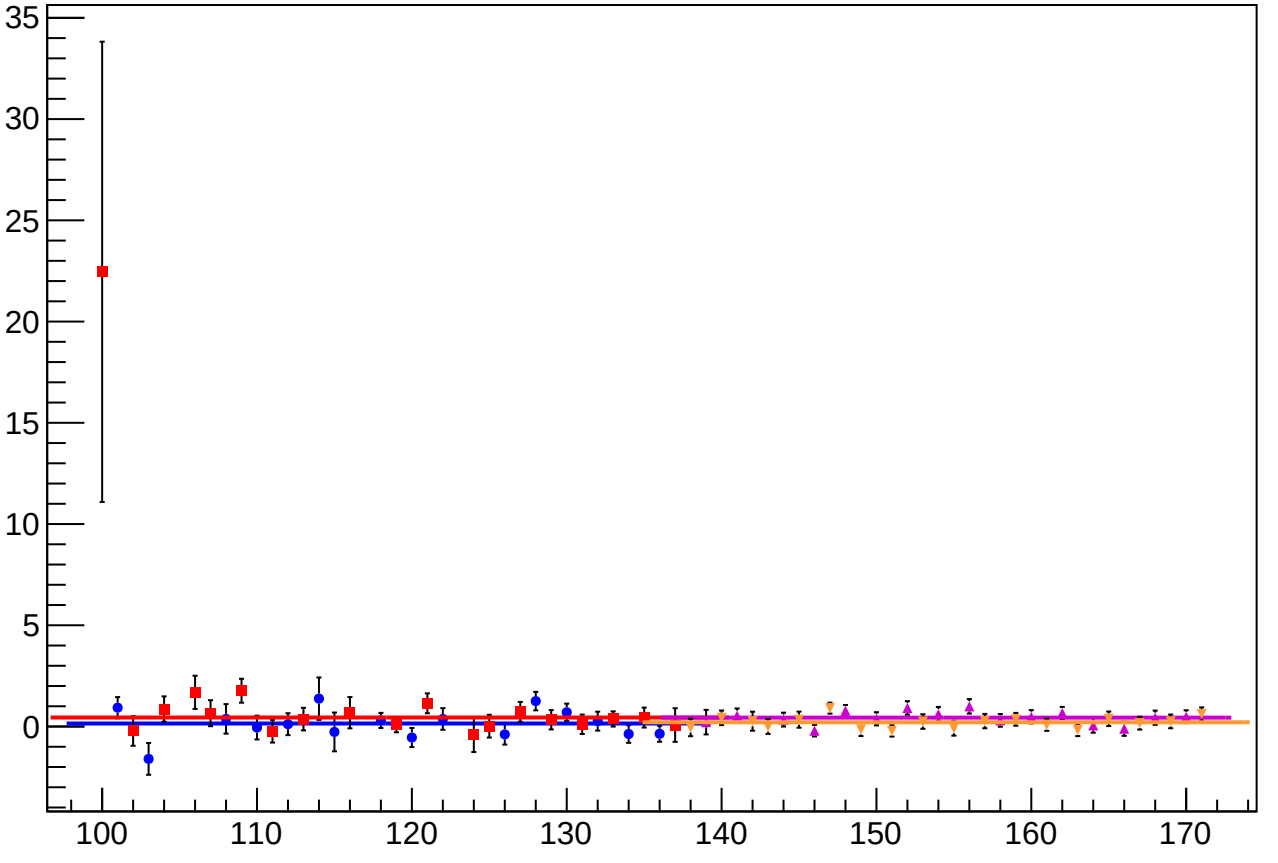
Left In: 0.027+/-0.100 χ^2/NDF:12.1/15

+ sign -0.263+/-0.076 χ^2/NDF: 71.2/33

All: -0.244+/-0.054 χ^2/NDF: 210.2/68

- sign -0.224+/-0.077 χ^2/NDF: 138.8/34

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.210+/-0.080 χ^2/NDF:15.7/17

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

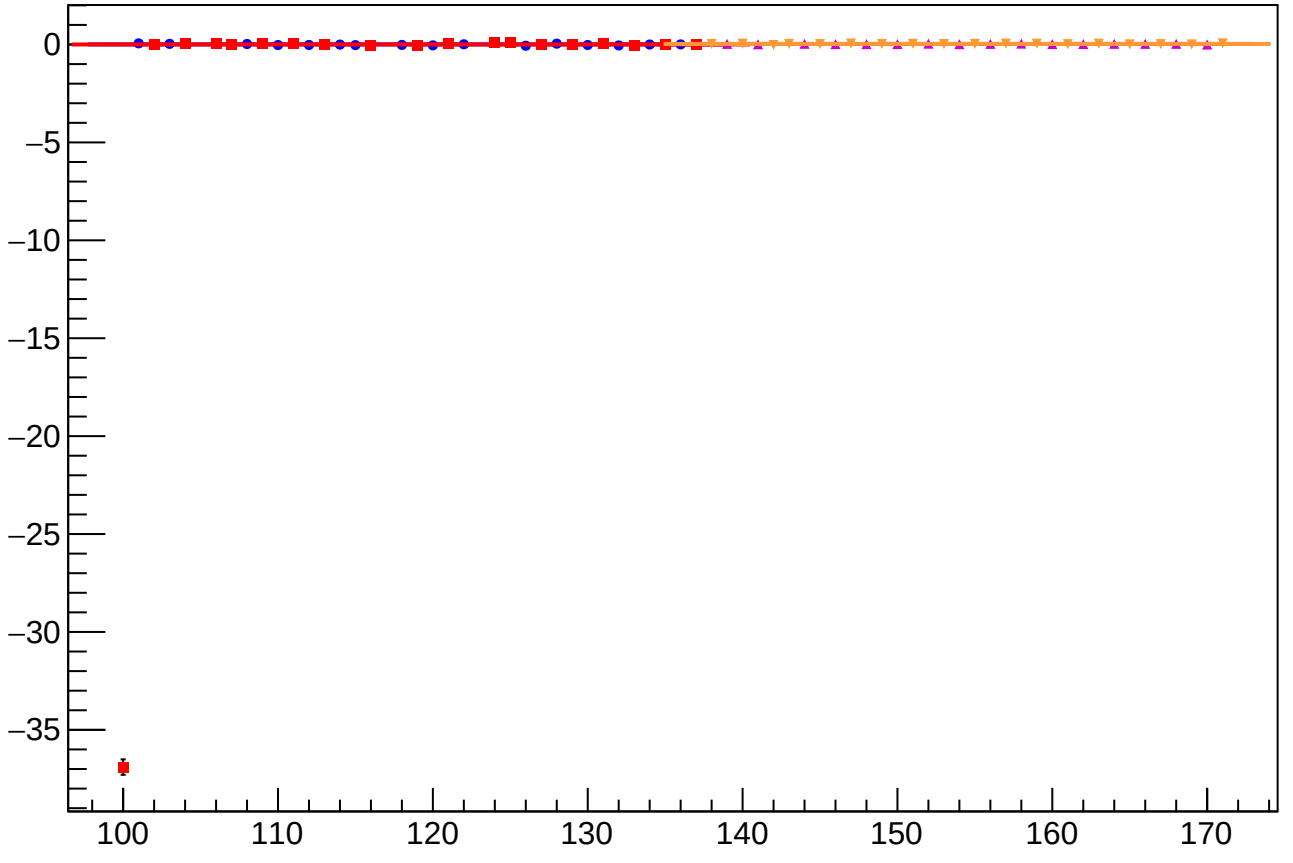
Left In: 0.438+/-0.084 χ^2/NDF:15.9/15

+ sign 0.193+/-0.068 χ^2/NDF: 39.1/33

All: 0.312+/-0.049 χ^2/NDF: 81.2/68

- sign 0.440+/-0.070 χ^2/NDF: 35.6/34

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.004 χ^2/NDF:20.7/17

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

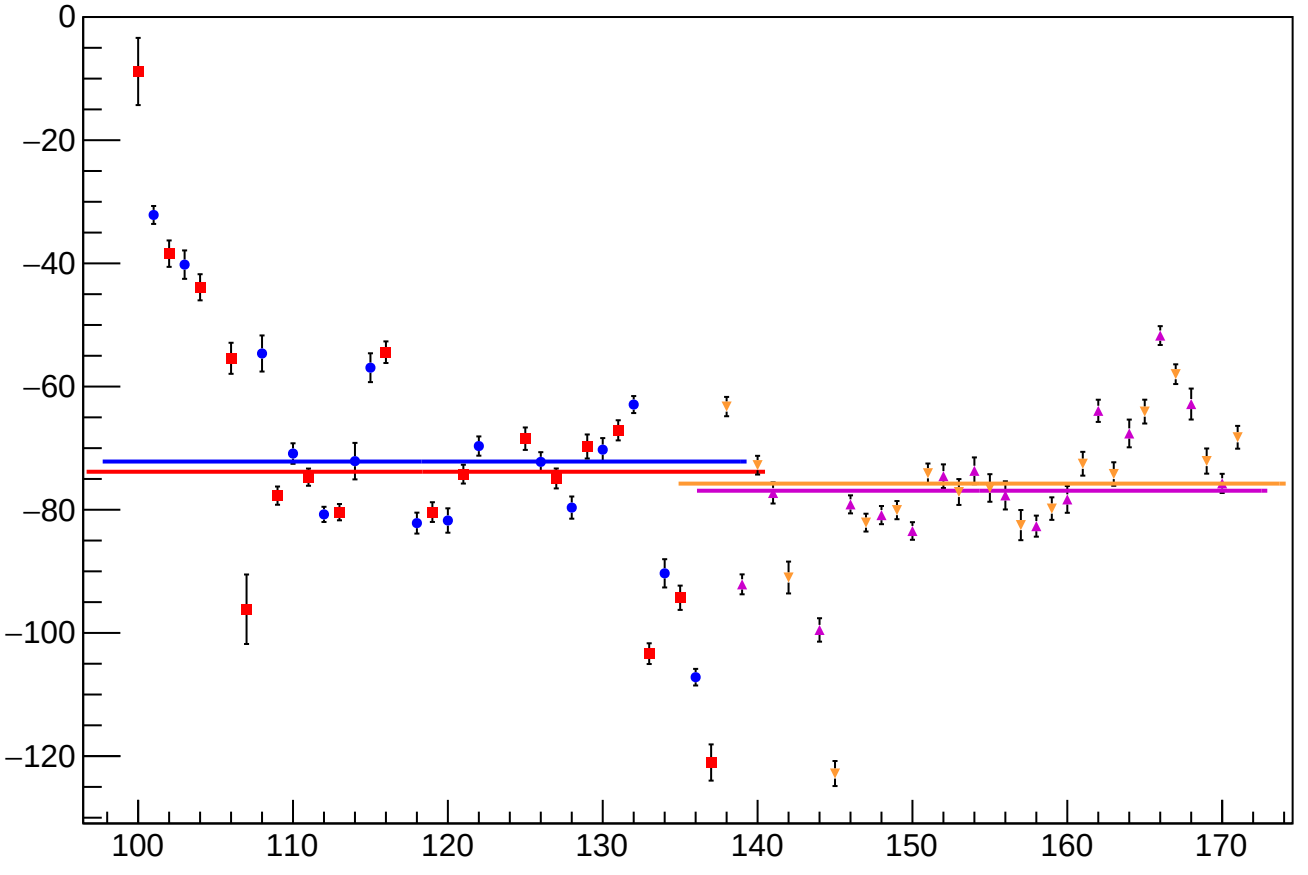
Left In: 0.029+/-0.004 χ^2/NDF:10.0/15

+ sign 0.024+/-0.003 χ^2/NDF: 45.5/33

All: 0.024+/-0.002 χ^2/NDF: 8819.3/68

- sign 0.024+/-0.003 χ^2/NDF: 8773.8/34

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -75.756+/-0.439 χ^2/NDF:863.1/16

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

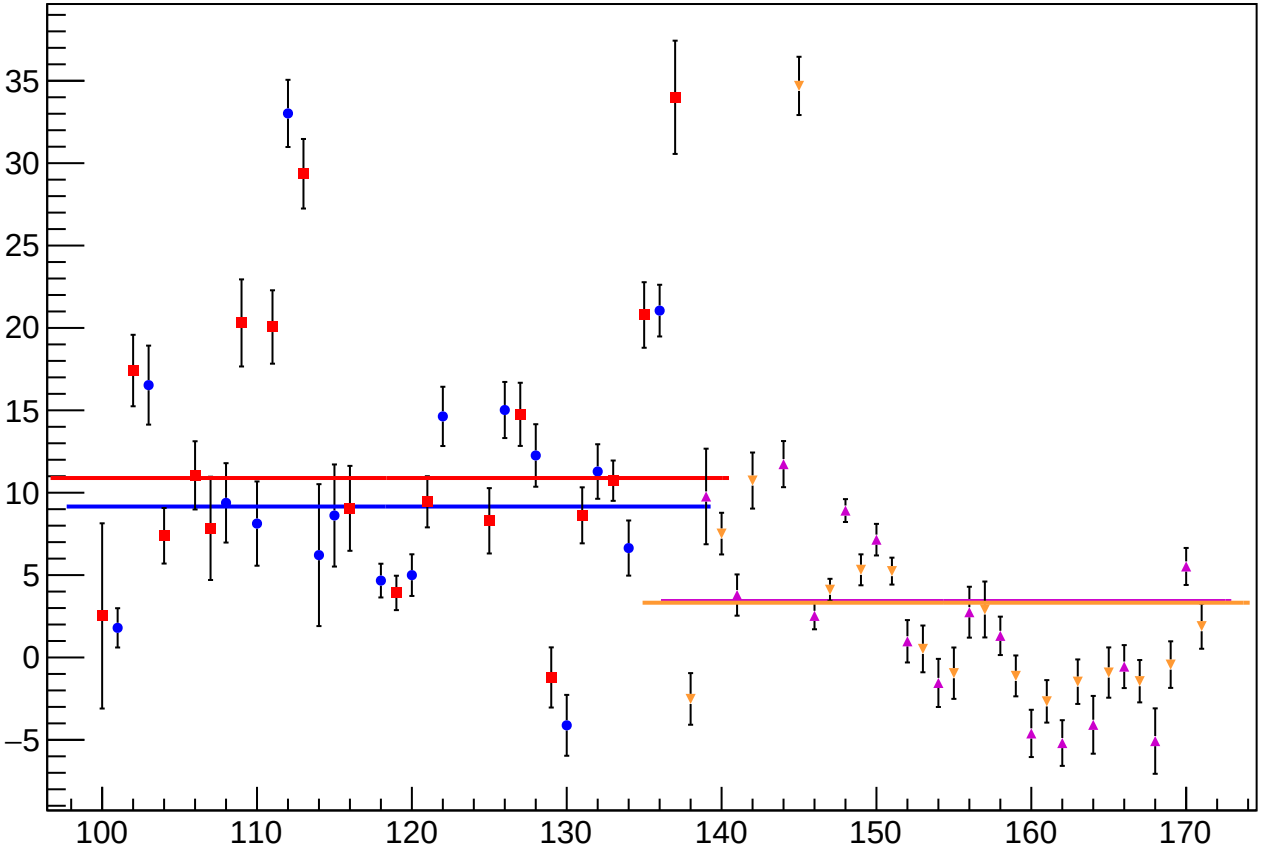
Left In: -76.911+/-0.441 χ^2/NDF:647.4/15

+ sign -73.936+/-0.308 χ^2/NDF: 2833.0/32

All: -74.635+/-0.218 χ^2/NDF: 5073.4/66

- sign -75.335+/-0.308 χ^2/NDF: 2230.1/33

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.324+/-0.292 χ^2/NDF:458.2/16

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

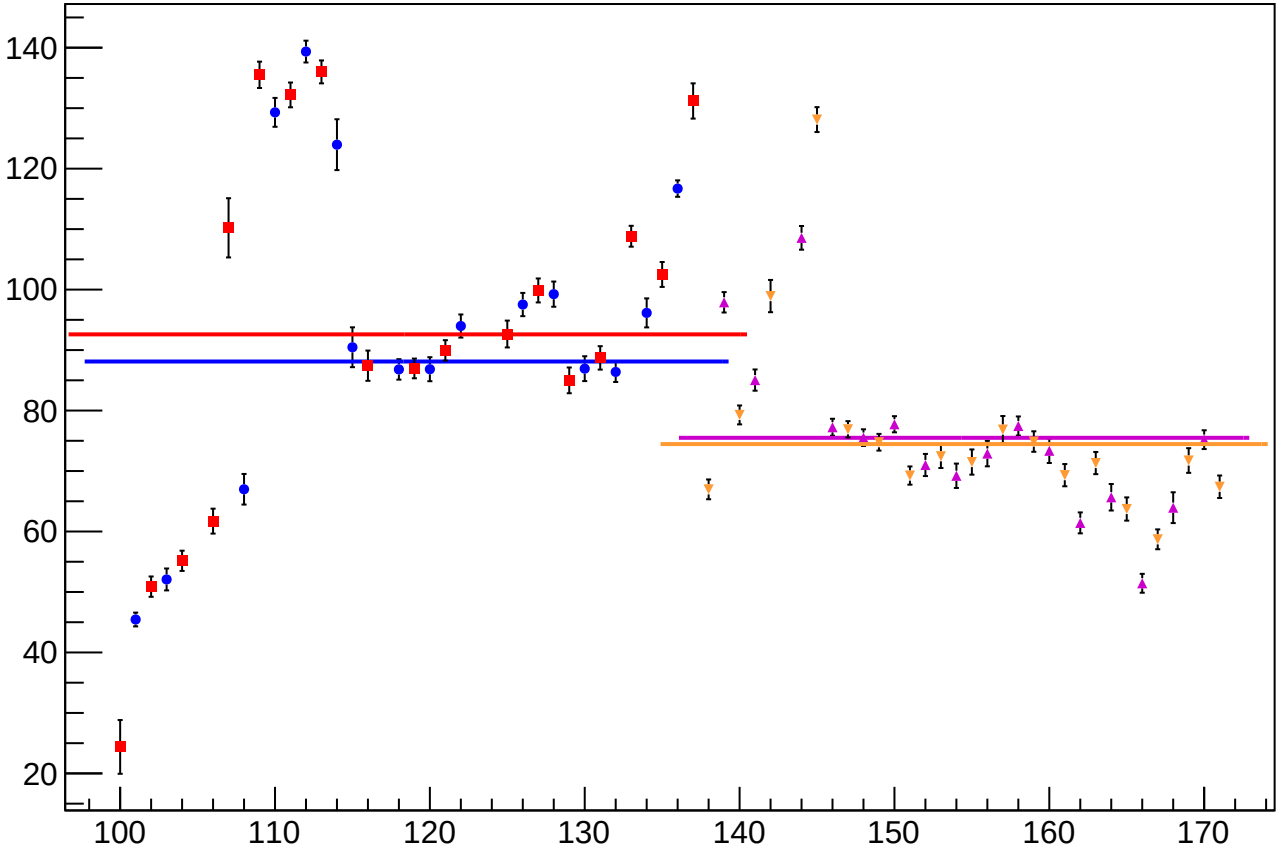
Left In: 3.426+/-0.300 χ^2/NDF:257.0/15

\+ sign 5.197+/-0.241 χ^2/NDF: 938.3/32

All: 5.486+/-0.173 χ^2/NDF: 1685.1/66

\- sign 5.792+/-0.248 χ^2/NDF: 743.8/33

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 74.456+/-0.427 χ^2/NDF:963.8/16

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

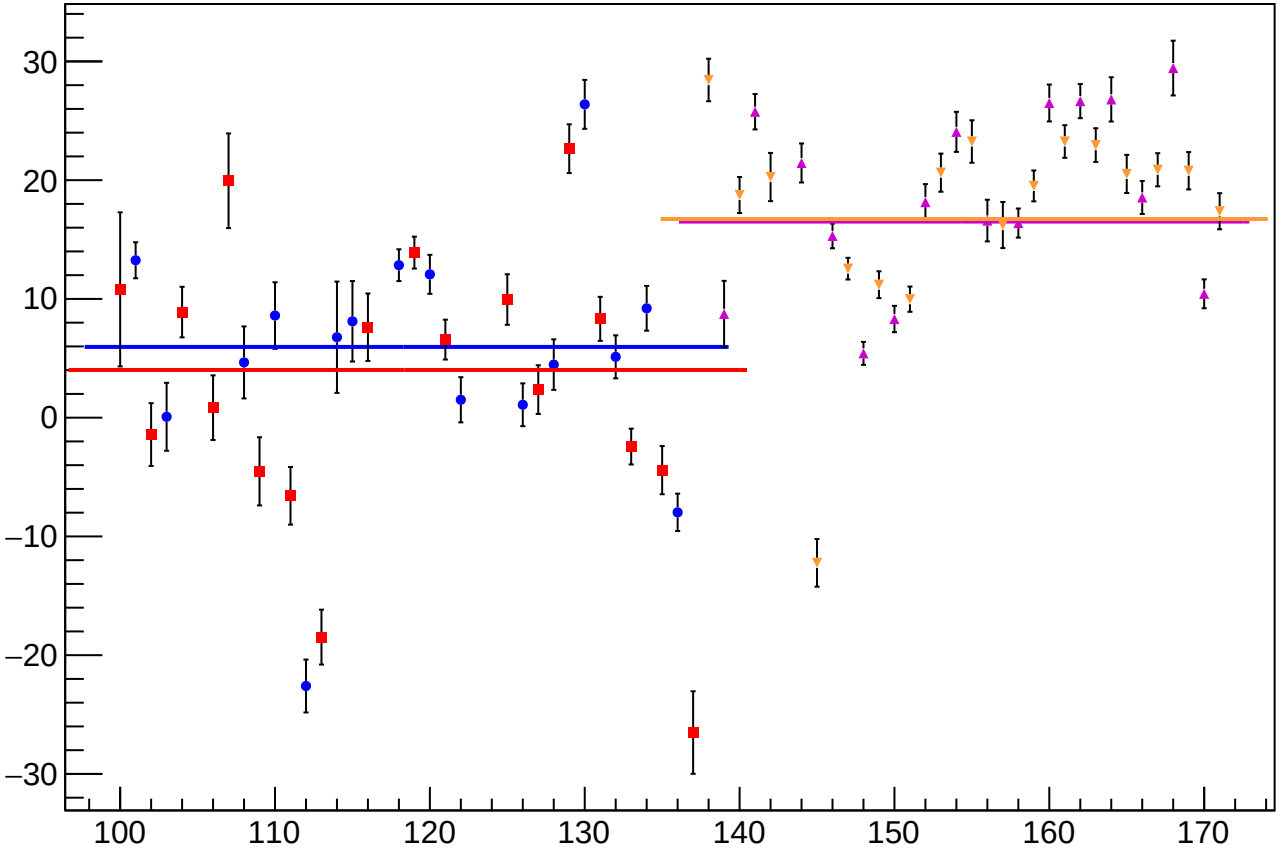
Left In: 75.494+/-0.428 χ^2/NDF:859.8/15

+ sign 80.653+/-0.316 χ^2/NDF: 4989.1/32

All: 81.812+/-0.225 χ^2/NDF: 9790.0/66

- sign 83.005+/-0.320 χ^2/NDF: 4773.5/33

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.729+/-0.344 χ^2/NDF:428.2/16

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

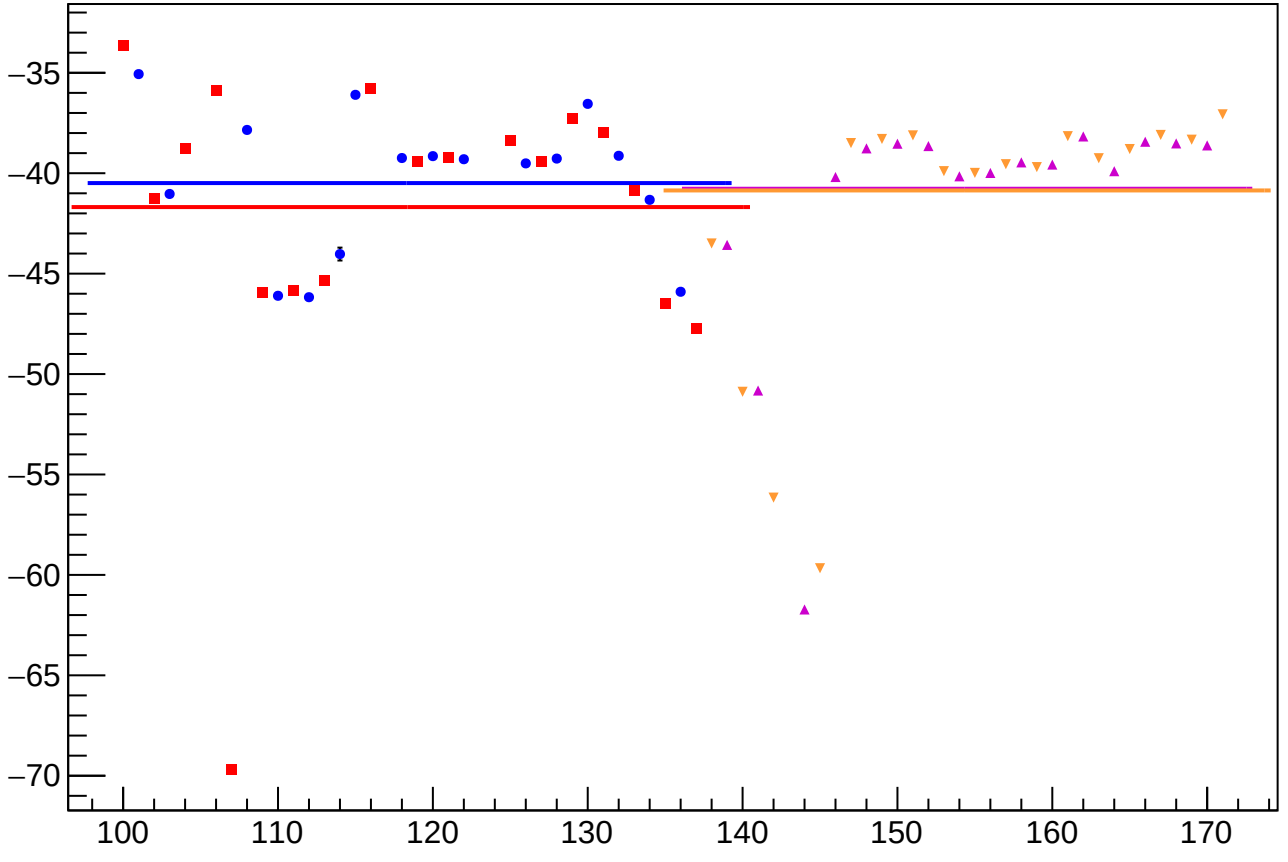
Left In: 16.513+/-0.351 χ^2/NDF:444.8/15

+ sign 13.212+/-0.283 χ^2/NDF: 1174.3/32

All: 12.858+/-0.202 χ^2/NDF: 2447.5/66

- sign 12.488+/-0.289 χ^2/NDF: 1270.0/33

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.857+/-0.016 χ^2/NDF:112190.0/16

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

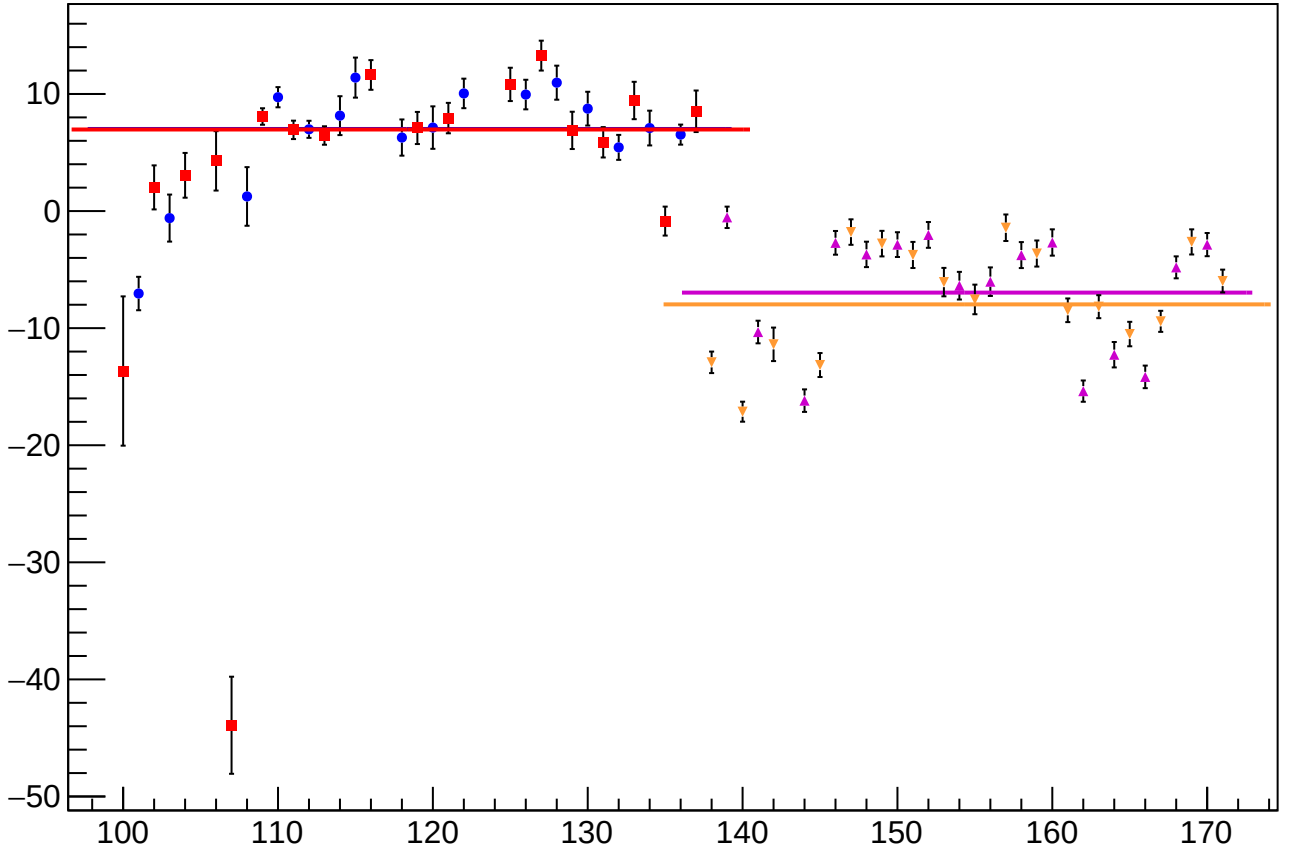
Left In: -40.773+/-0.016 χ^2/NDF:89039.3/15

+ sign -40.767+/-0.014 χ^2/NDF: 130441.8/32

All: -40.876+/-0.010 χ^2/NDF: 257186.4/66

- sign -40.986+/-0.014 χ^2/NDF: 126624.2/33

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -7.969+/-0.254 χ^2/NDF:333.3/16

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

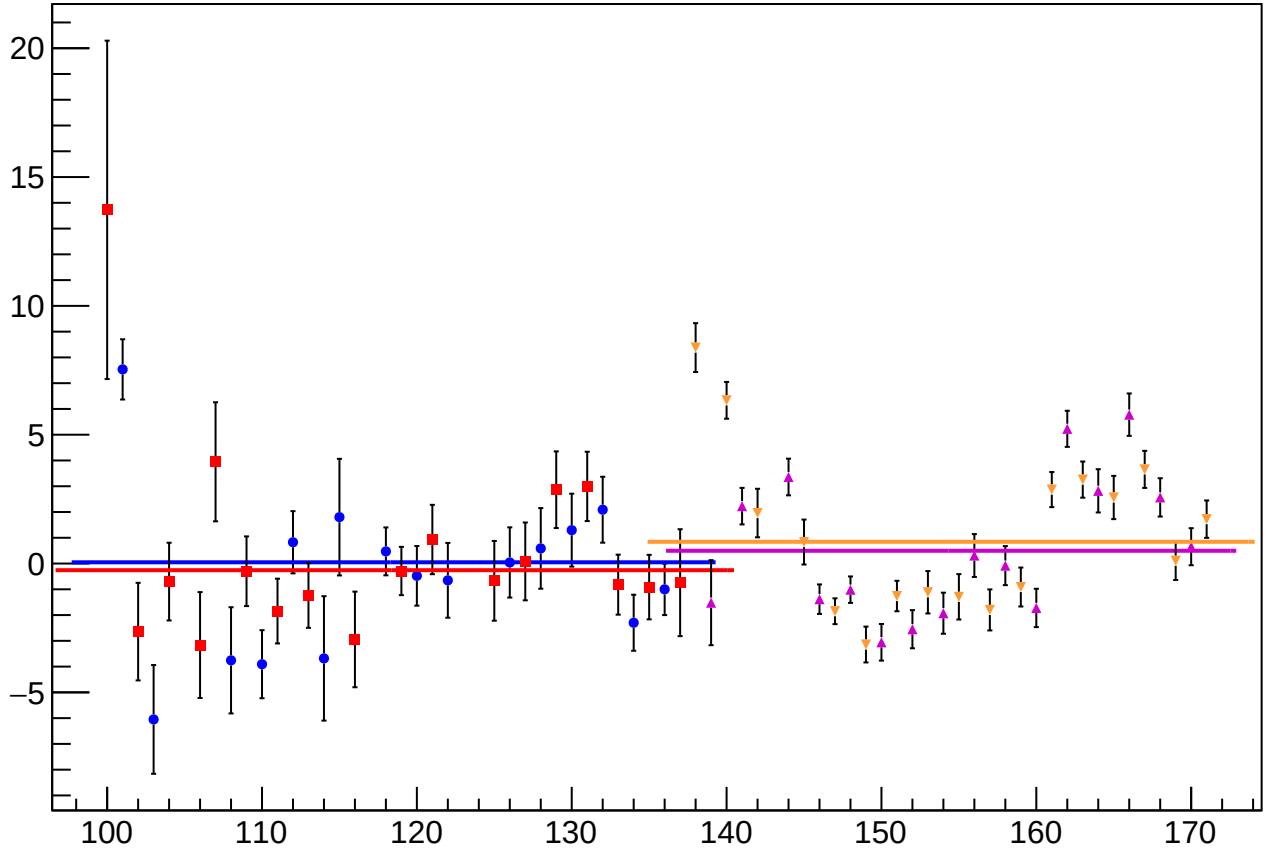
Left In: -6.965+/-0.257 χ^2/NDF:426.8/15

+ sign -1.927+/-0.196 χ^2/NDF: 1889.5/32

All: -1.476+/-0.138 χ^2/NDF: 3846.3/66

- sign -1.034+/-0.195 χ^2/NDF: 1946.4/33

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.844+/-0.177 χ^2/NDF:268.8/16

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

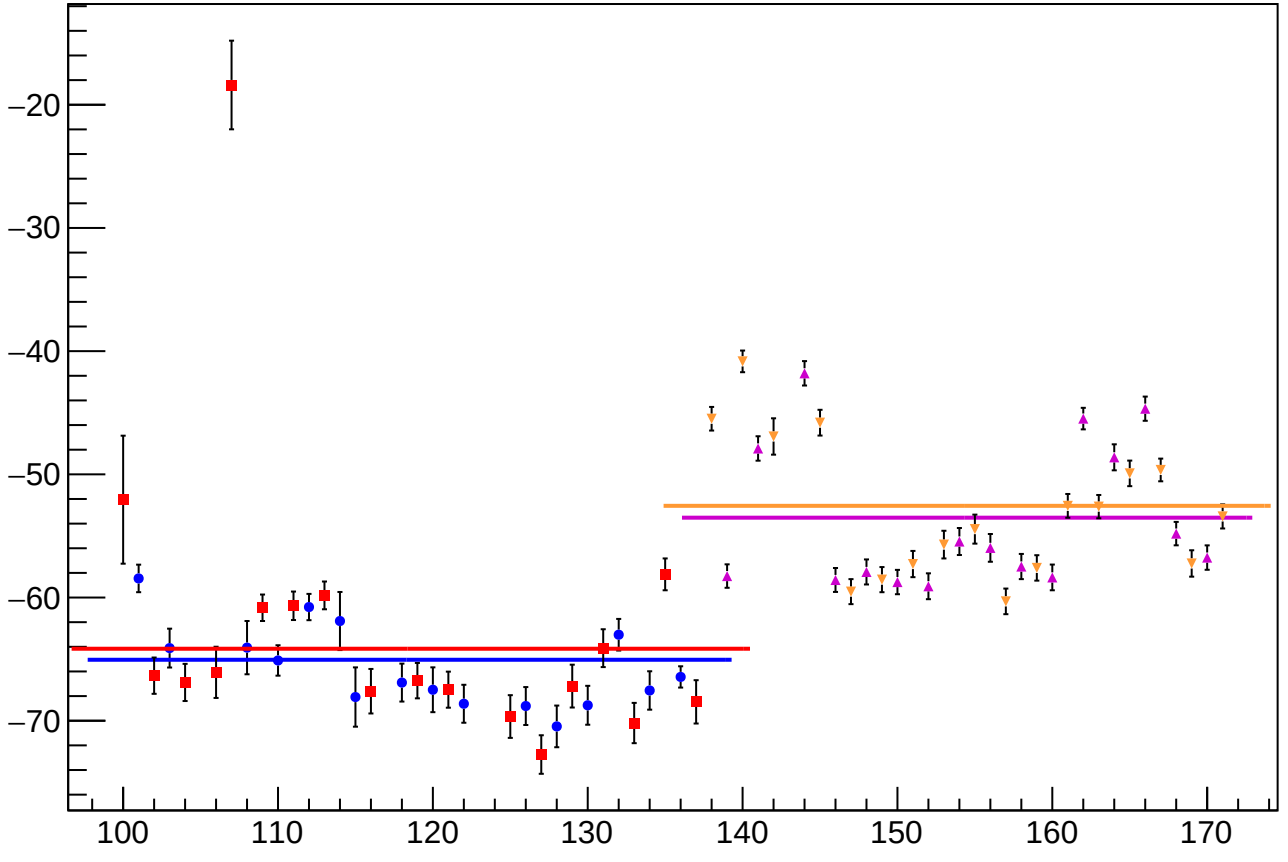
Left In: 0.496+/-0.182 χ^2/NDF:206.1/15

+ sign 0.667+/-0.156 χ^2/NDF: 348.3/32

All: 0.504+/-0.112 χ^2/NDF: 587.9/66

- sign 0.331+/-0.161 χ^2/NDF: 237.4/33

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.555+/-0.249 χ^2/NDF:516.1/16

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

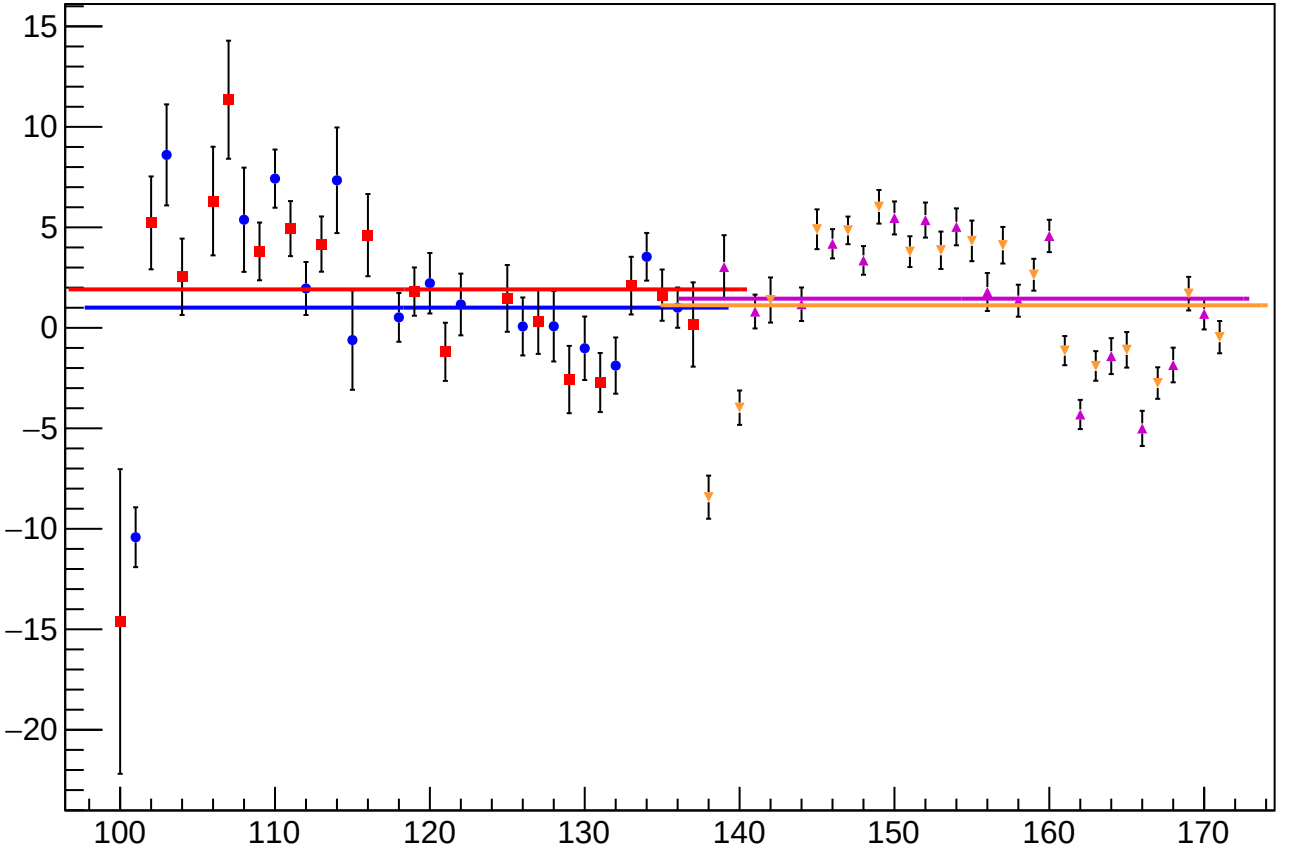
Left In: -53.518+/-0.250 χ^2/NDF:543.2/15

+ sign -56.686+/-0.204 χ^2/NDF: 1443.0/32

All: -56.831+/-0.145 χ^2/NDF: 2878.5/66

- sign -56.979+/-0.206 χ^2/NDF: 1434.5/33

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.121+/-0.205 χ^2/NDF:300.0/16

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

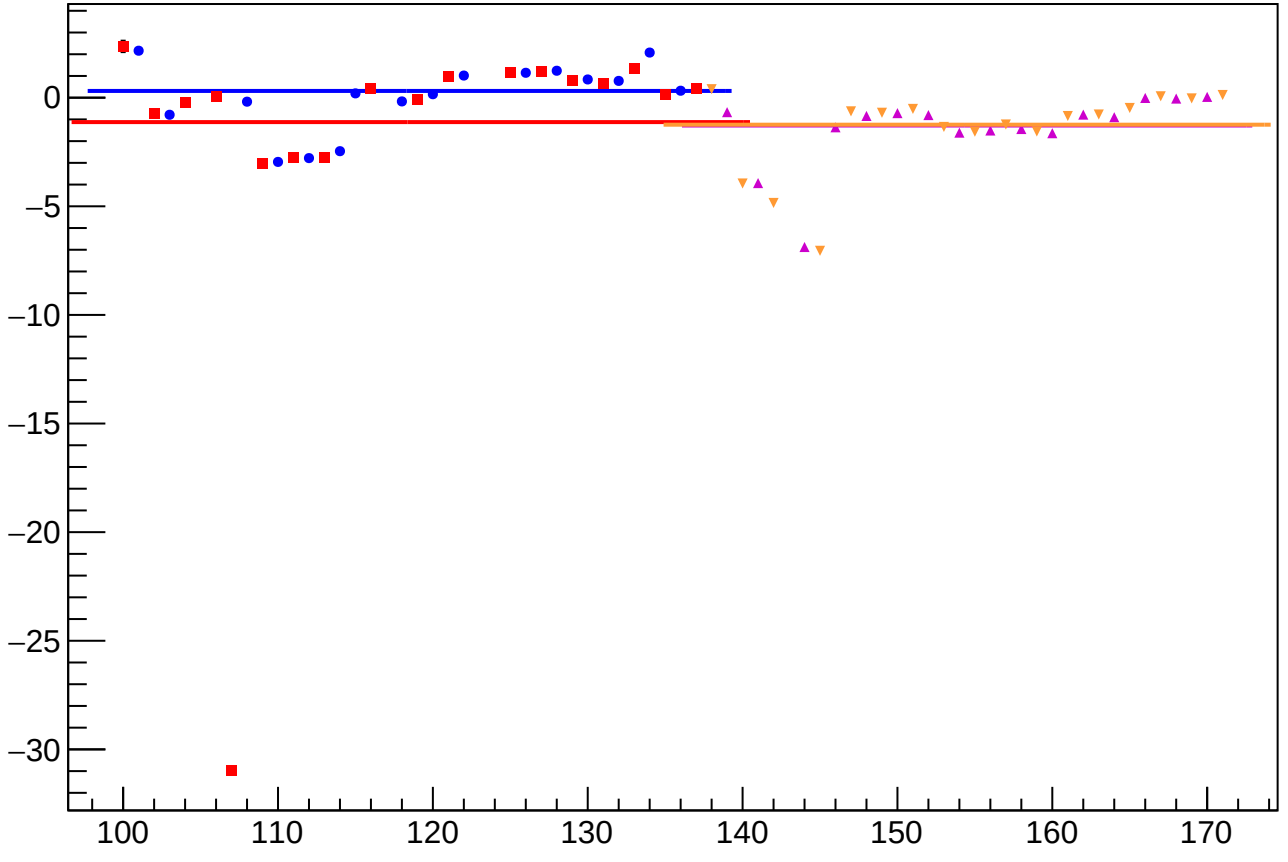
Left In: 1.452+/-0.210 χ^2/NDF:240.1/15

+ sign 1.095+/-0.180 χ^2/NDF: 409.3/32

All: 1.319+/-0.129 χ^2/NDF: 708.2/66

- sign 1.555+/-0.185 χ^2/NDF: 295.7/33

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.243+/-0.009 χ^2/NDF:35852.5/16

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

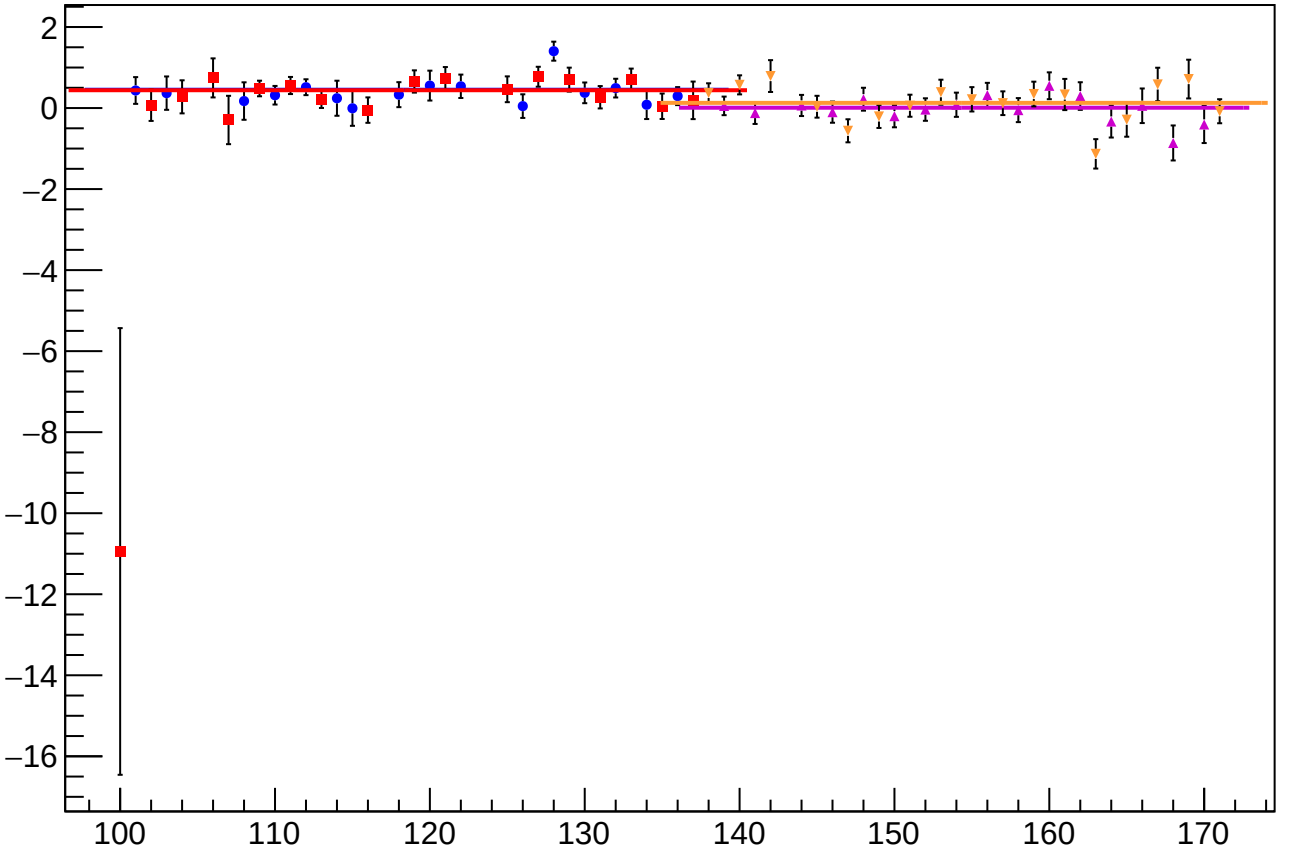
Left In: -1.281+/-0.009 χ^2/NDF:25569.8/15

+ sign -0.993+/-0.008 χ^2/NDF: 45263.0/32

All: -1.123+/-0.006 χ^2/NDF: 117706.9/66

- sign -1.258+/-0.009 χ^2/NDF: 71960.5/33

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.128+/-0.075 χ^2/NDF:32.7/16

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

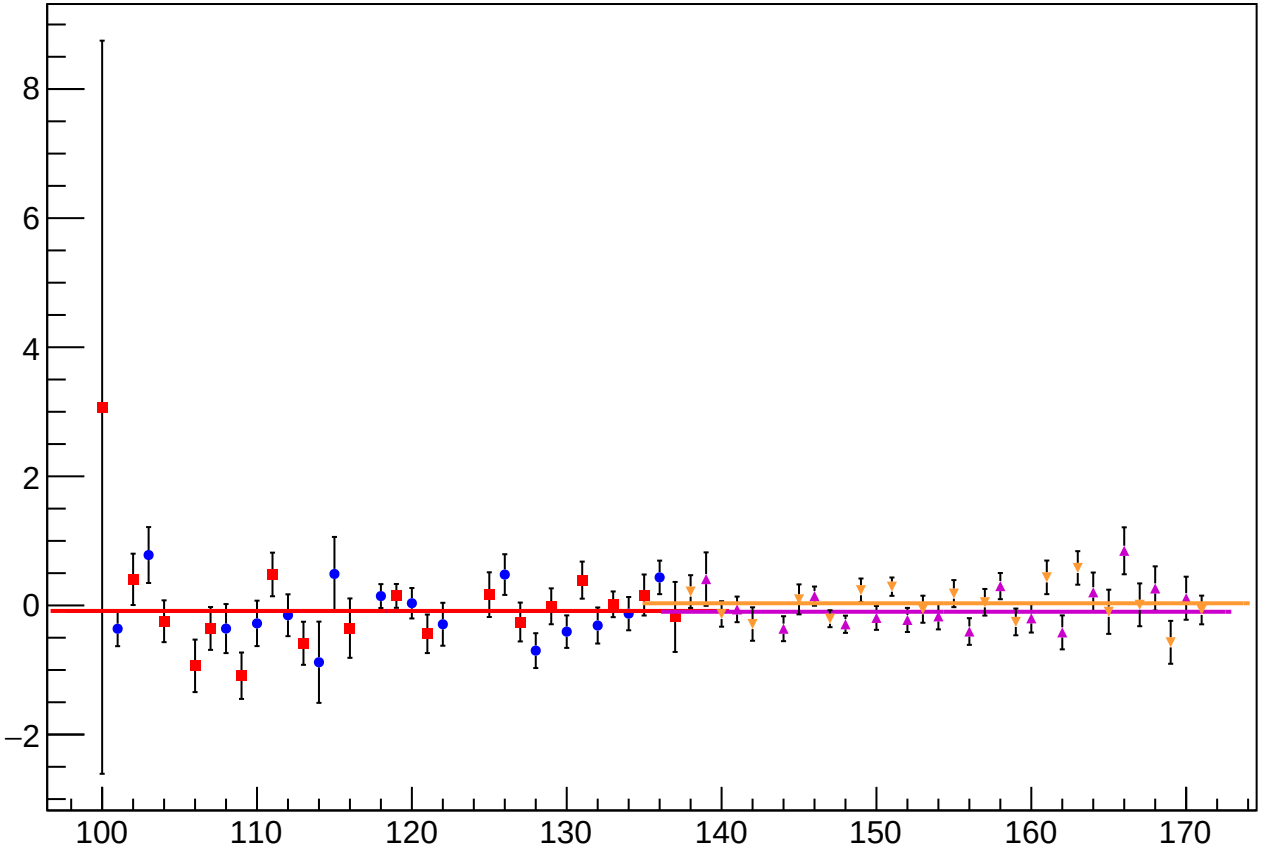
Left In: 0.008+/-0.076 χ^2/NDF:11.8/15

+ sign 0.298+/-0.051 χ^2/NDF: 65.3/32

All: 0.270+/-0.036 χ^2/NDF: 113.8/66

- sign 0.242+/-0.051 χ^2/NDF: 48.0/33

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.051 χ^2/NDF:23.8/16

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

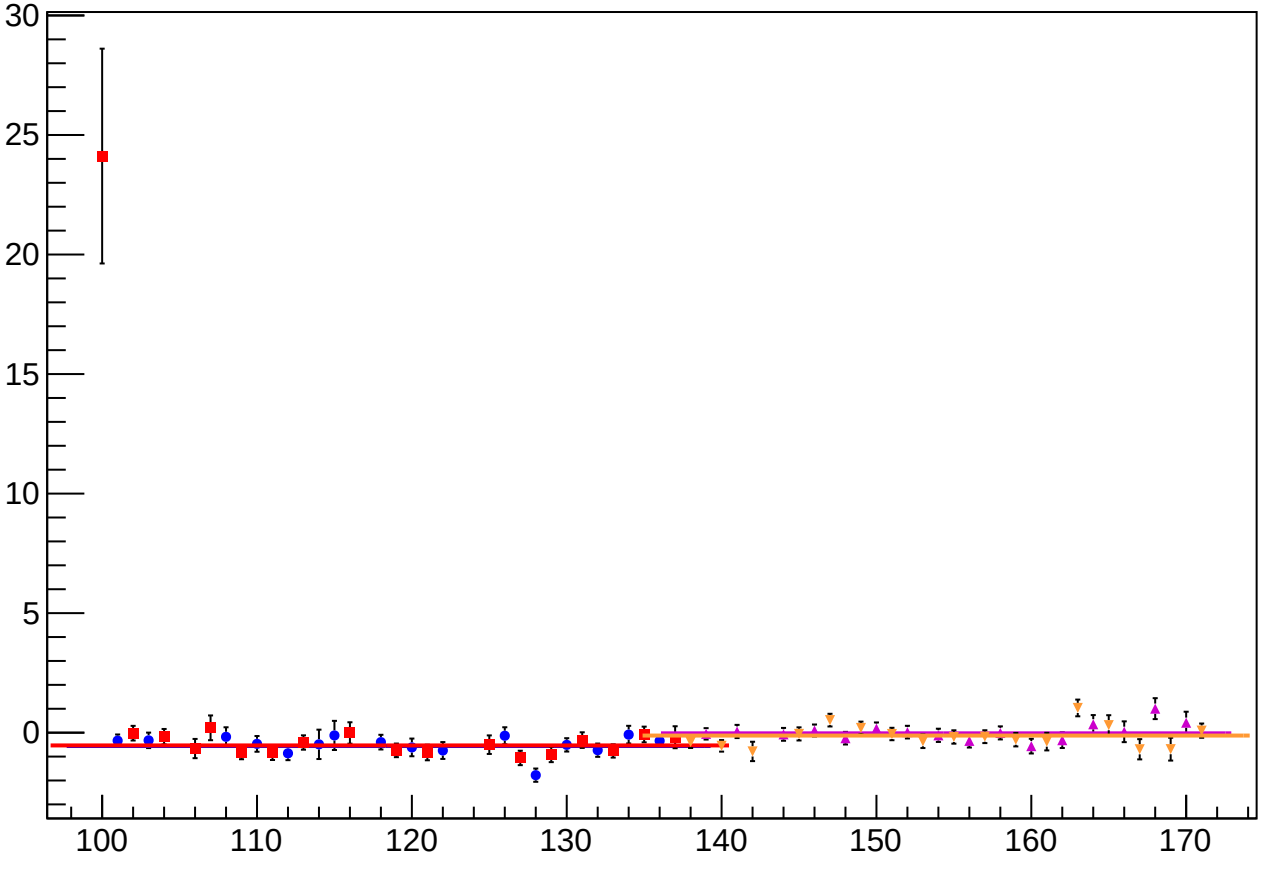
Left In: -0.098+/-0.053 χ^2/NDF:25.9/15

+ sign -0.006+/-0.042 χ^2/NDF: 51.0/32

All: -0.049+/-0.030 χ^2/NDF: 107.0/66

- sign -0.094+/-0.043 χ^2/NDF: 53.8/33

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.121+/-0.073 χ^2/NDF:31.8/16

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

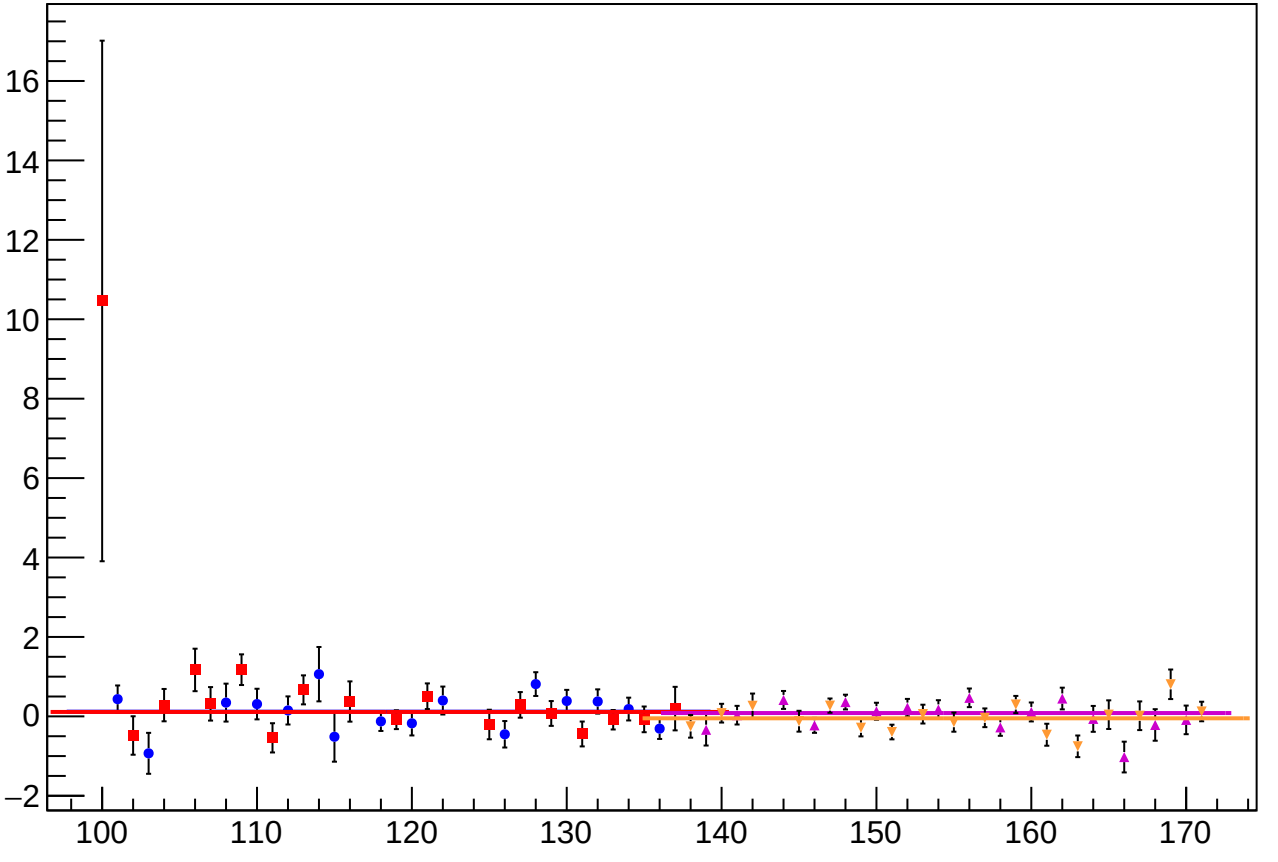
Left In: -0.028+/-0.073 χ^2/NDF:14.2/15

+ sign -0.319+/-0.054 χ^2/NDF: 76.7/32

All: -0.289+/-0.038 χ^2/NDF: 162.2/66

- sign -0.257+/-0.054 χ^2/NDF: 84.9/33

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.049+/-0.060 χ^2/NDF:27.5/16

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

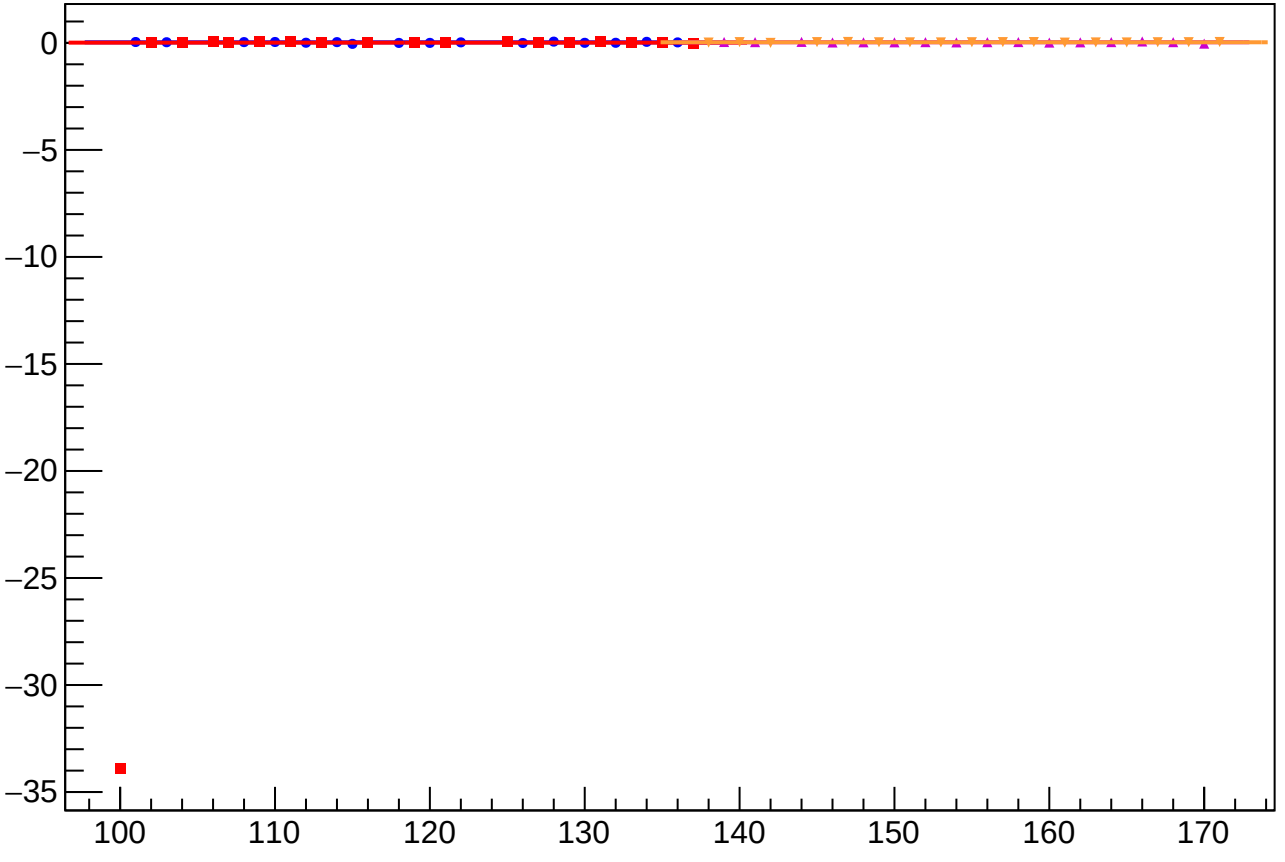
Left In: 0.084+/-0.062 χ^2/NDF:25.3/15

+ sign 0.008+/-0.049 χ^2/NDF: 53.8/32

All: 0.050+/-0.035 χ^2/NDF: 109.7/66

- sign 0.093+/-0.050 χ^2/NDF: 54.4/33

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:13.4/16

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

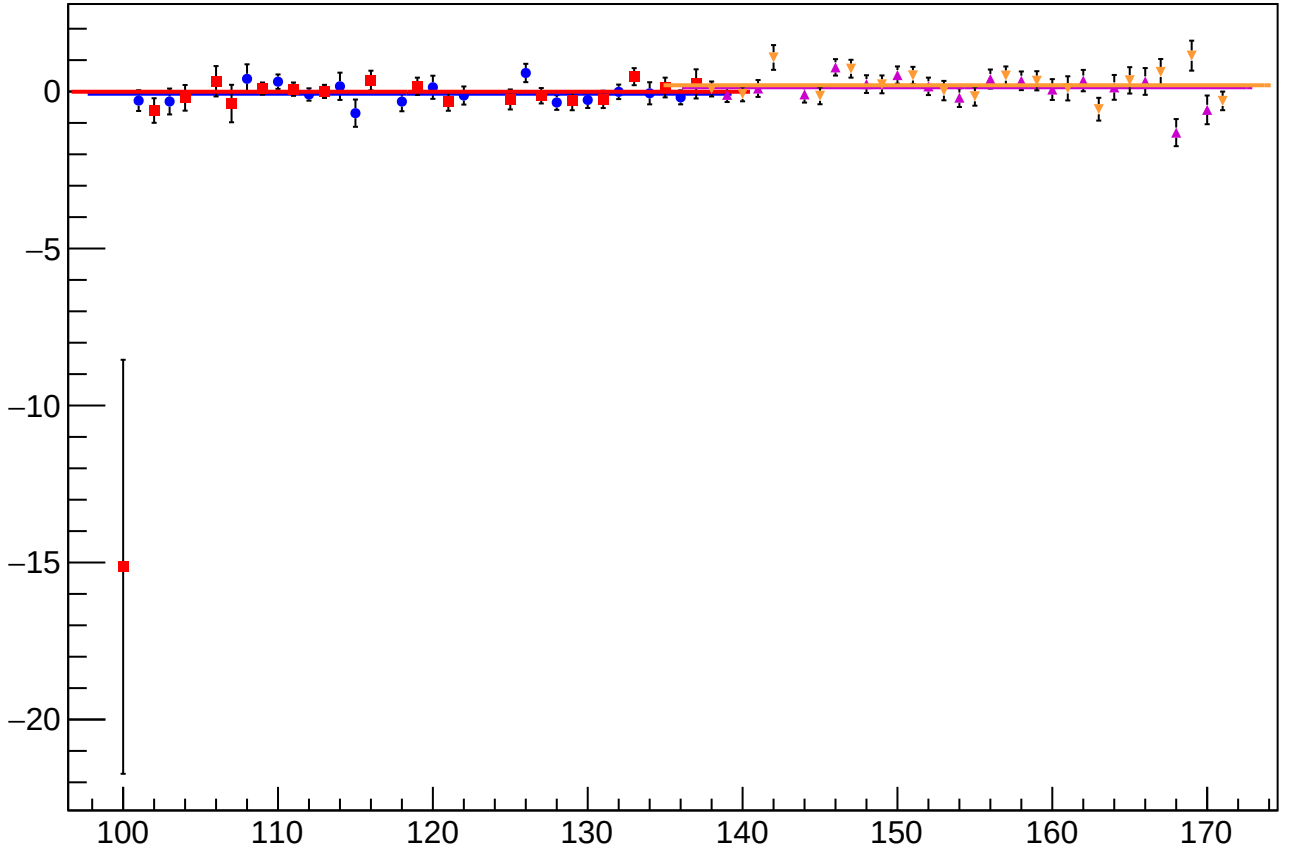
Left In: 0.031+/-0.003 χ^2/NDF:29.7/15

+ sign 0.029+/-0.002 χ^2/NDF: 28.2/32

All: 0.028+/-0.002 χ^2/NDF: 22332.2/66

- sign 0.026+/-0.002 χ^2/NDF: 22303.6/33

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.199+/-0.075 χ^2/NDF:28.4/16

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

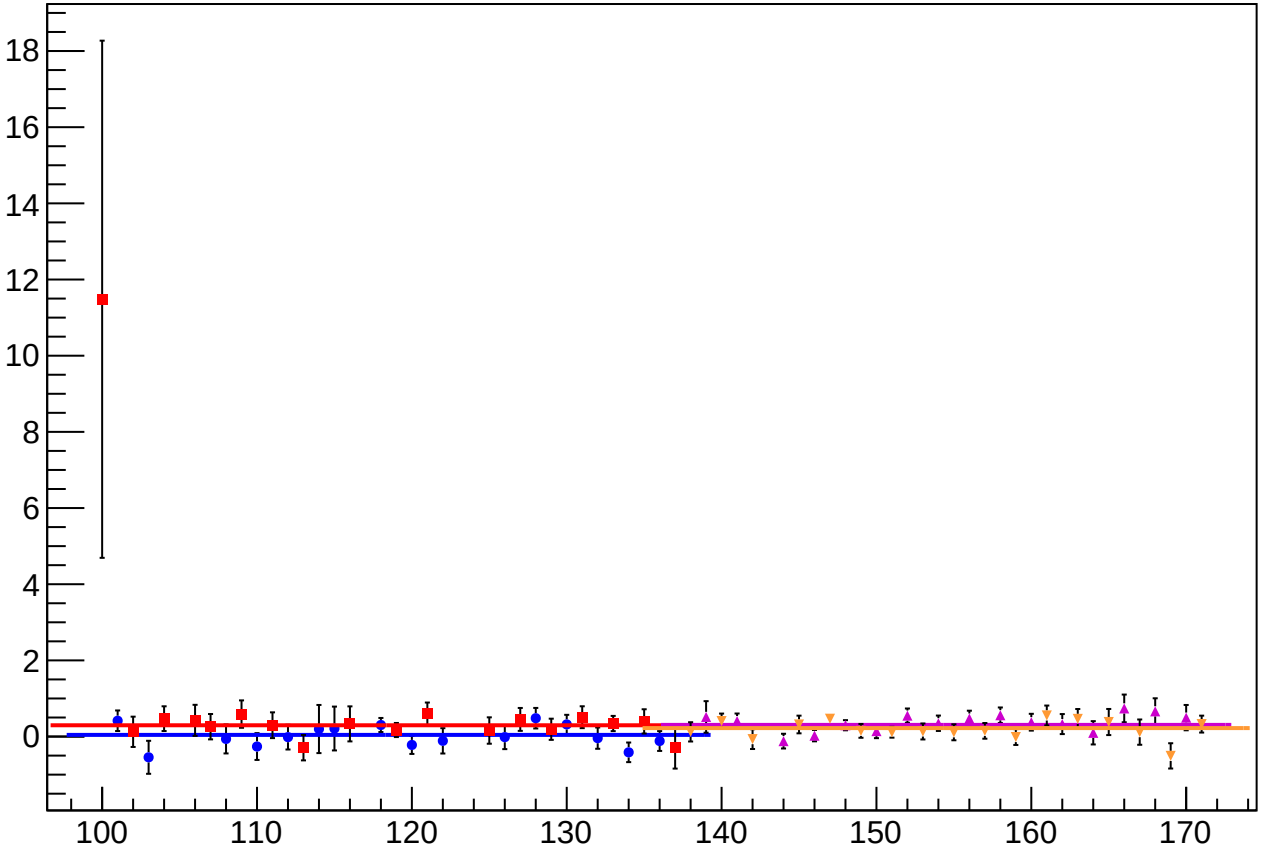
Left In: 0.136+/-0.076 χ^2/NDF:26.6/15

+ sign 0.058+/-0.051 χ^2/NDF: 50.7/32

All: 0.058+/-0.036 χ^2/NDF: 97.4/66

- sign 0.058+/-0.051 χ^2/NDF: 46.7/33

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.222+/-0.051 χ^2/NDF:16.4/16

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

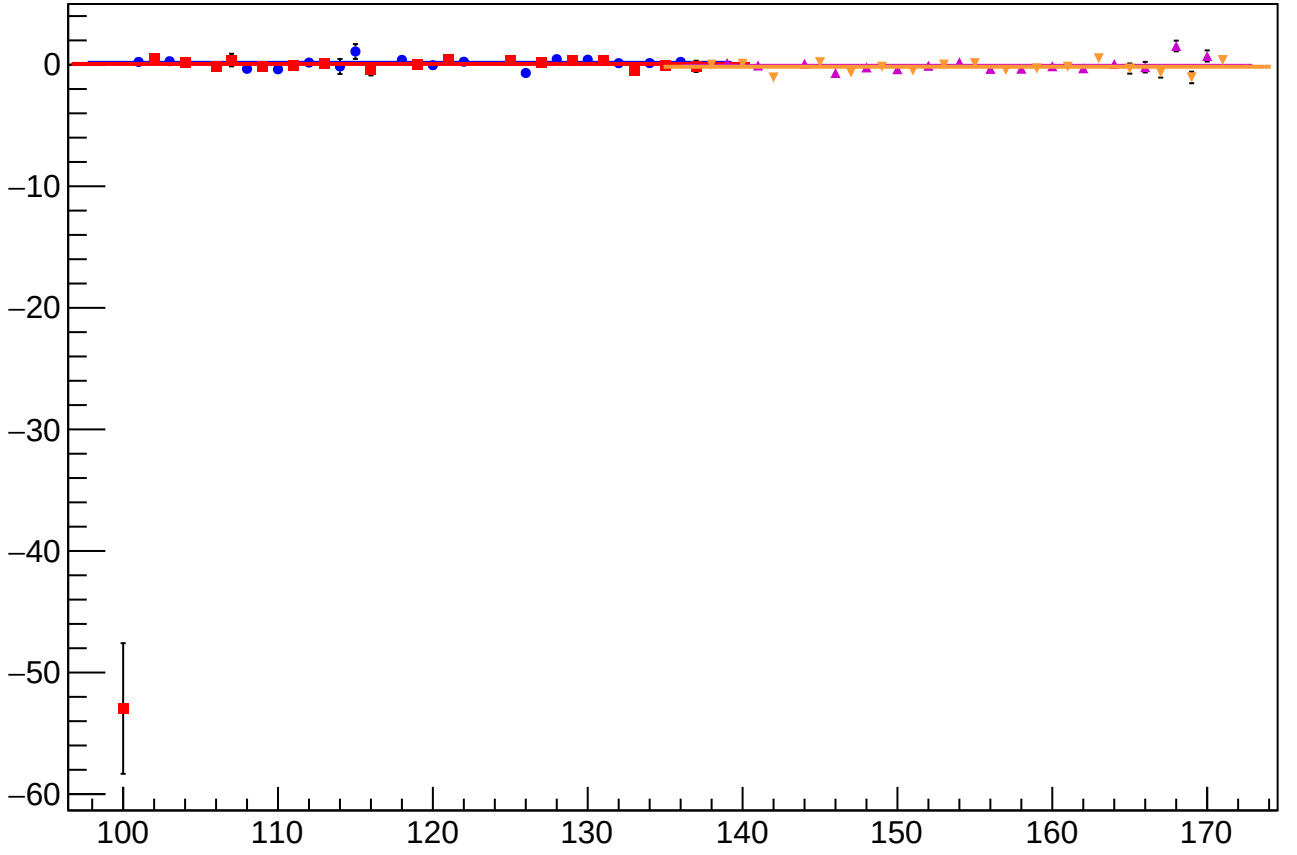
Left In: 0.306+/-0.053 χ^2/NDF:17.1/15

+ sign 0.163+/-0.042 χ^2/NDF: 36.1/32

All: 0.232+/-0.030 χ^2/NDF: 69.7/66

- sign 0.303+/-0.043 χ^2/NDF: 28.1/33

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.167+/-0.073 χ^2/NDF:27.4/16

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

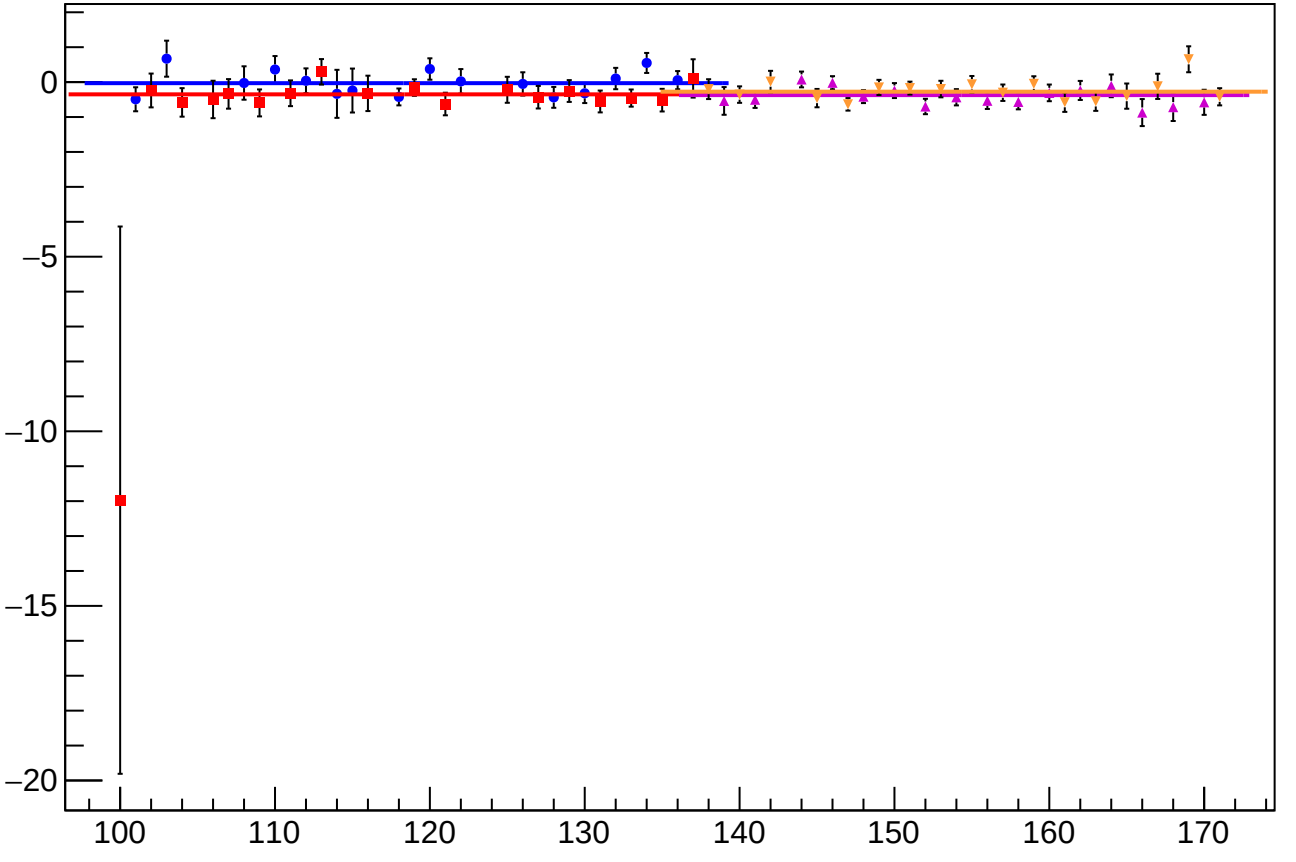
Left In: -0.092+/-0.073 χ^2/NDF:28.6/15

+ sign -0.022+/-0.054 χ^2/NDF: 51.9/32

All: -0.021+/-0.038 χ^2/NDF: 191.9/66

- sign -0.021+/-0.054 χ^2/NDF: 140.0/33

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.274+/-0.060 χ^2/NDF:17.3/16

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

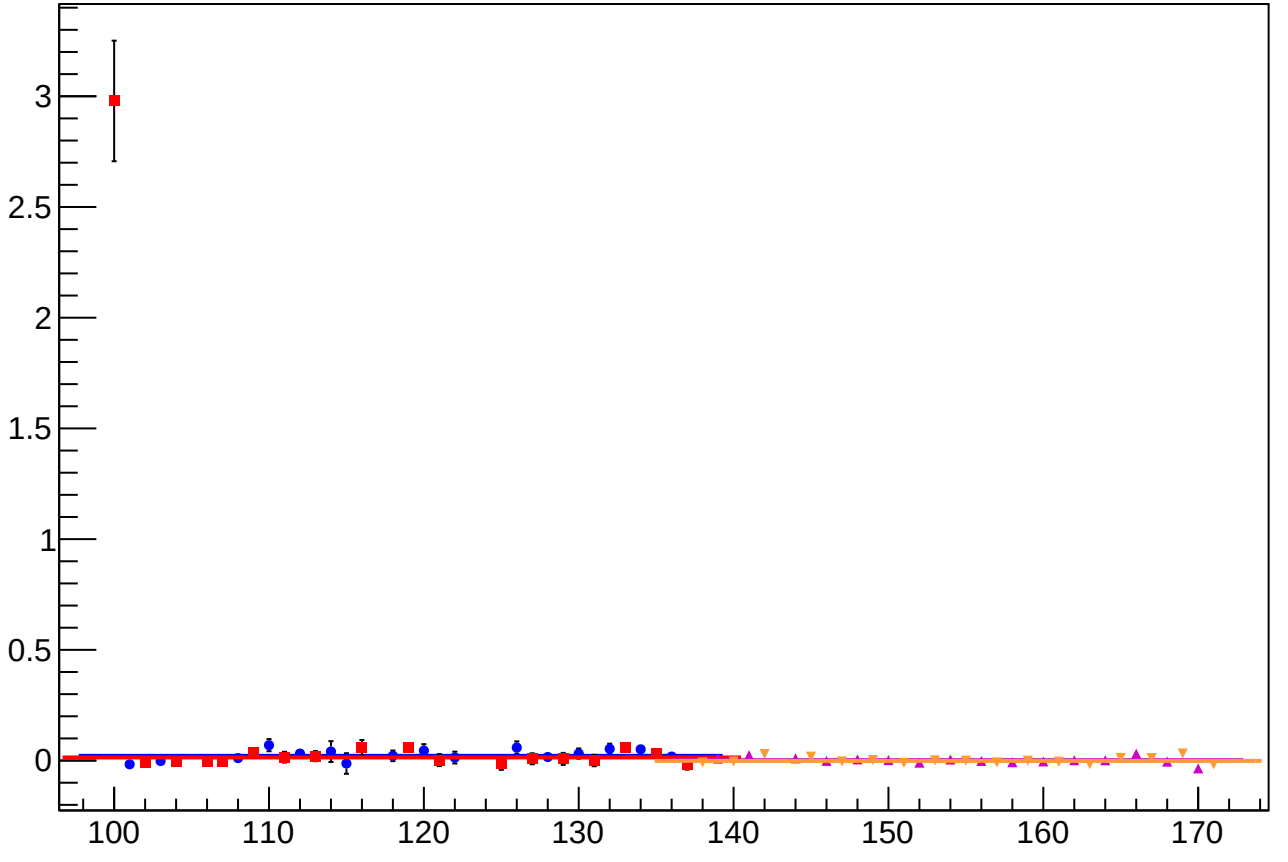
Left In: -0.372+/-0.062 χ^2/NDF:15.6/15

+ sign -0.191+/-0.049 χ^2/NDF: 39.7/32

All: -0.276+/-0.035 χ^2/NDF: 71.0/66

- sign -0.365+/-0.050 χ^2/NDF: 25.1/33

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.6/16

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

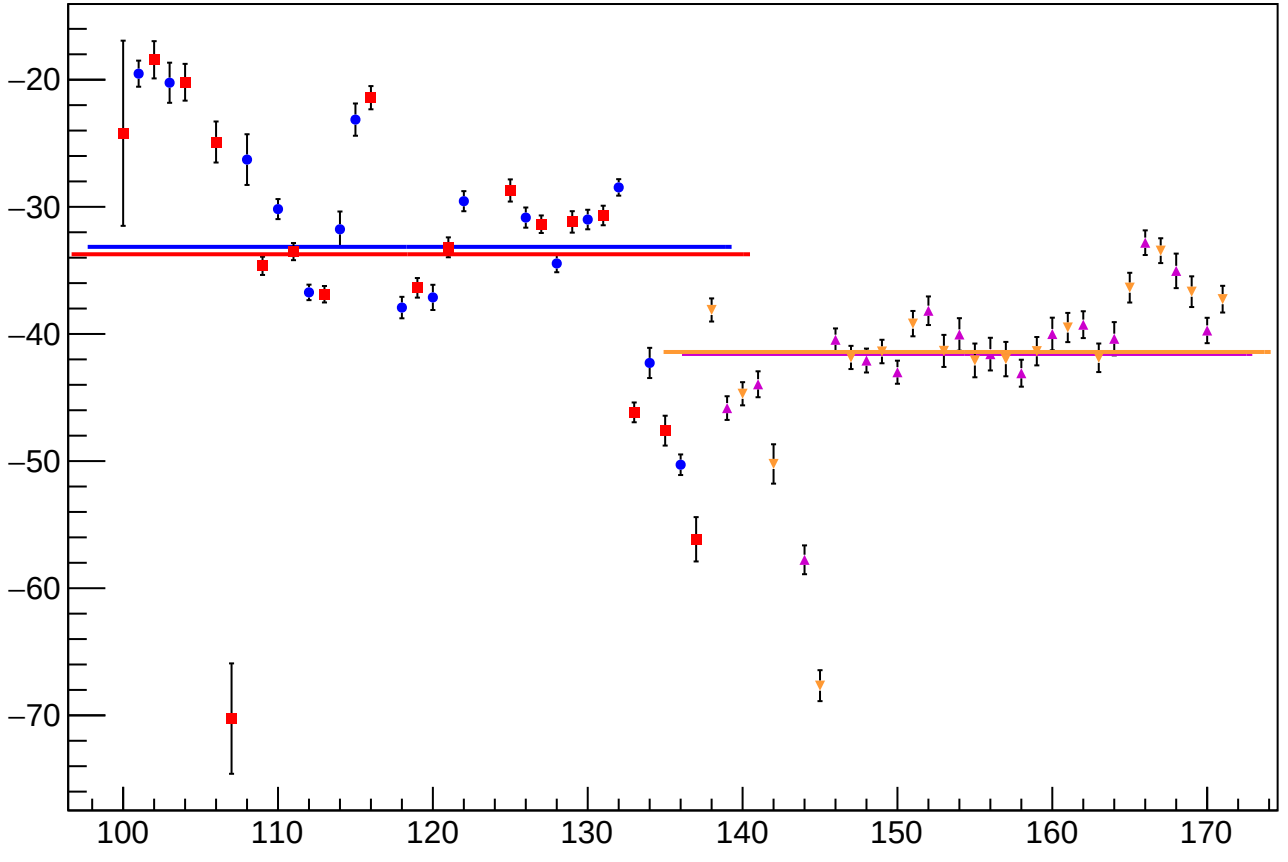
Left In: 0.002+/-0.003 χ^2/NDF:16.7/15

+ sign 0.004+/-0.002 χ^2/NDF: 56.8/32

All: 0.004+/-0.002 χ^2/NDF: 219.3/66

- sign 0.005+/-0.002 χ^2/NDF: 162.4/33

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.417+/-0.264 χ^2/NDF:648.3/16

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

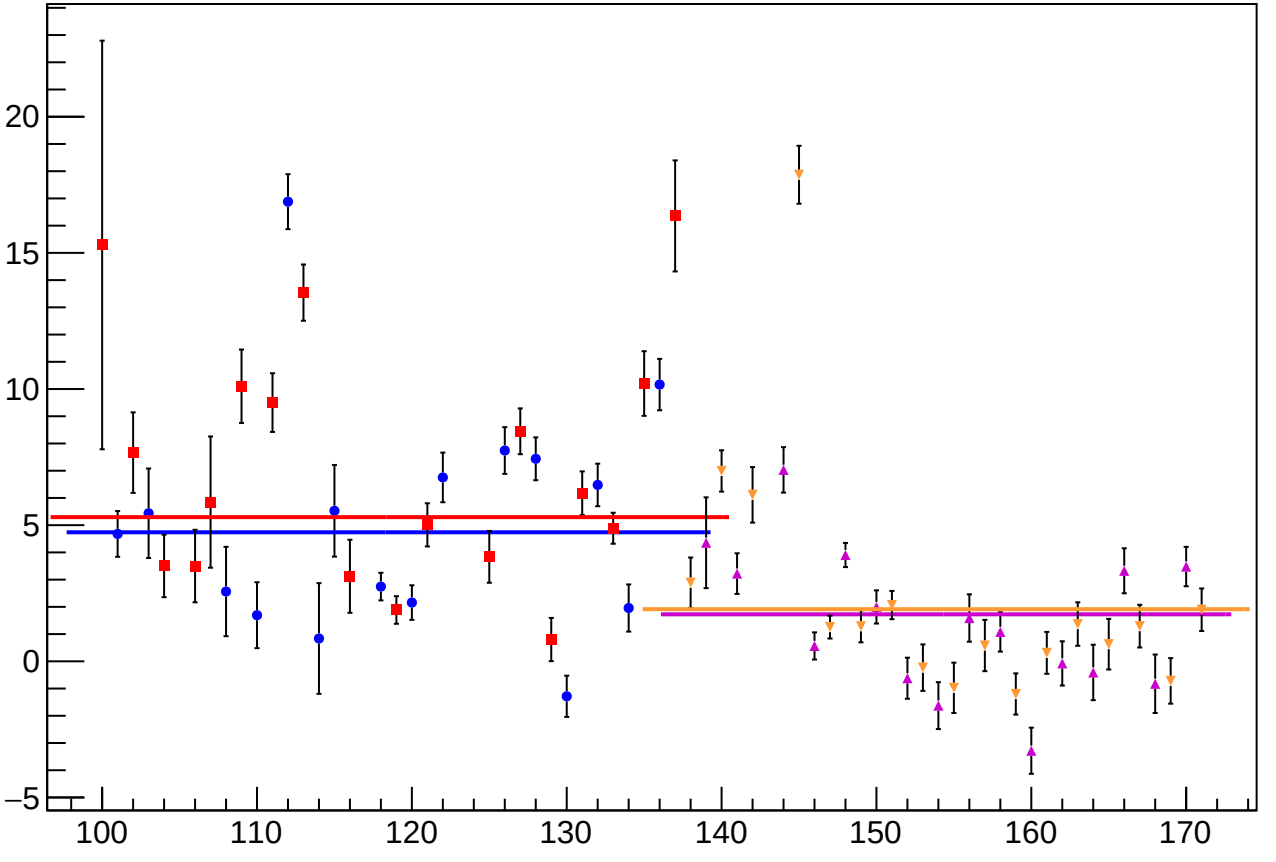
Left In: -41.573+/-0.266 χ^2/NDF:362.5/15

+ sign -36.500+/-0.168 χ^2/NDF: 2245.7/32

All: -36.662+/-0.119 χ^2/NDF: 4283.6/66

- sign -36.822+/-0.167 χ^2/NDF: 2036.1/33

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 1.914+/-0.178 χ^2/NDF:343.7/16

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

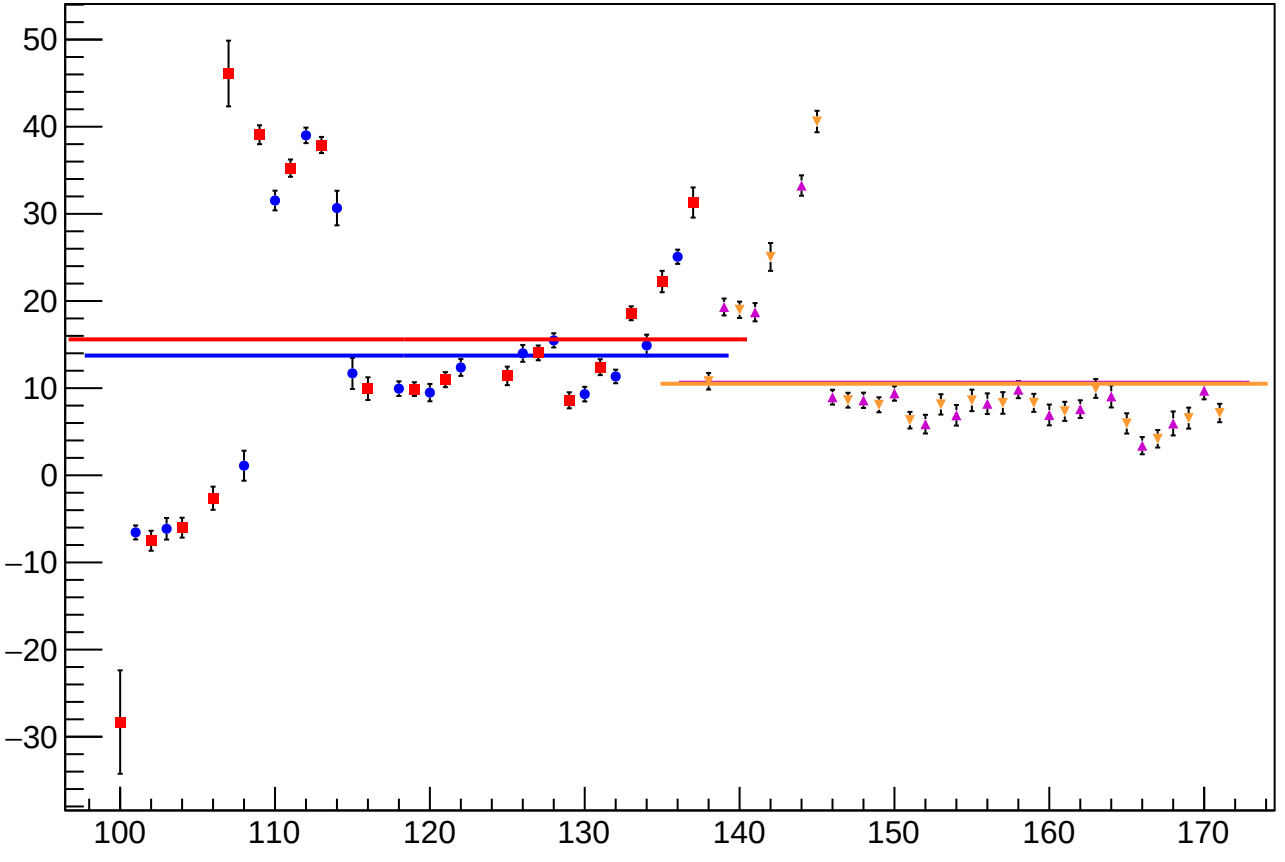
Left In: 1.726+/-0.183 χ^2/NDF:161.7/15

+ sign 3.037+/-0.138 χ^2/NDF: 773.3/32

All: 3.097+/-0.099 χ^2/NDF: 1333.1/66

- sign 3.161+/-0.142 χ^2/NDF: 559.5/33

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.509+/-0.257 χ^2/NDF:892.2/16

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

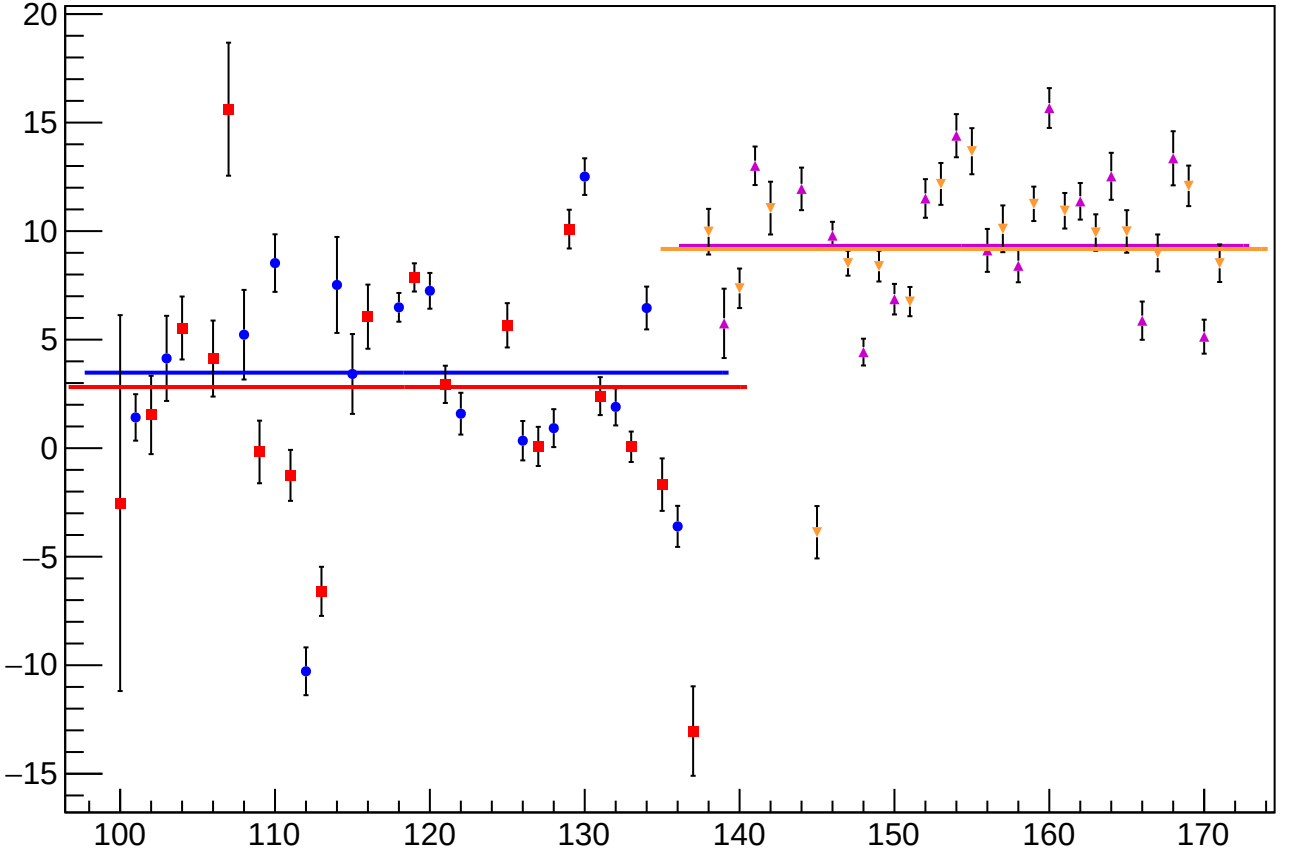
Left In: 10.625+/-0.259 χ^2/NDF:646.9/15

+ sign 12.190+/-0.178 χ^2/NDF: 3324.2/32

All: 12.688+/-0.127 χ^2/NDF: 7004.3/66

- sign 13.196+/-0.180 χ^2/NDF: 3664.3/33

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.178+/-0.209 χ^2/NDF:191.2/16

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

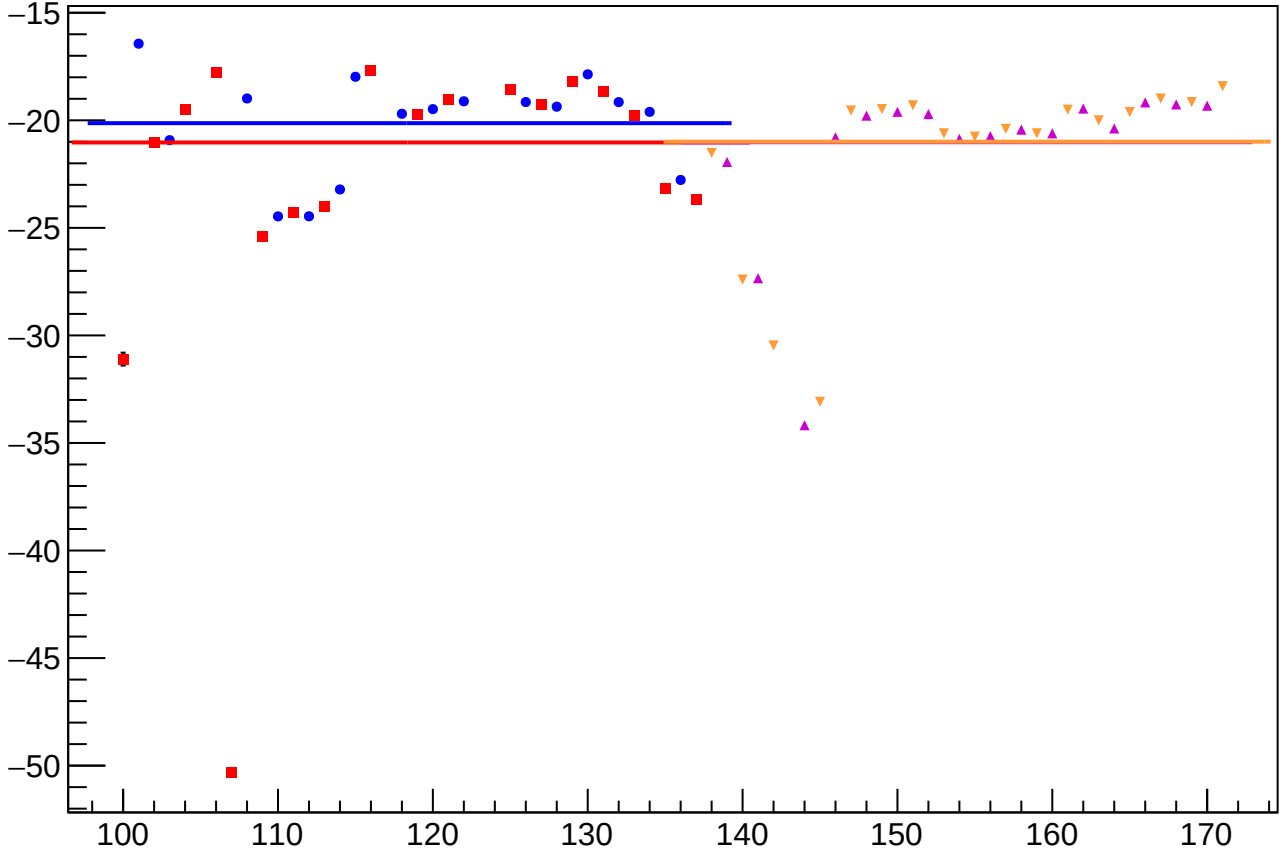
Left In: 9.320+/-0.214 χ^2/NDF:255.6/15

+ sign 6.876+/-0.161 χ^2/NDF: 919.6/32

All: 6.771+/-0.115 χ^2/NDF: 1899.2/66

- sign 6.662+/-0.164 χ^2/NDF: 978.7/33

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.993+/-0.010 χ^2/NDF:125578.8/16

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

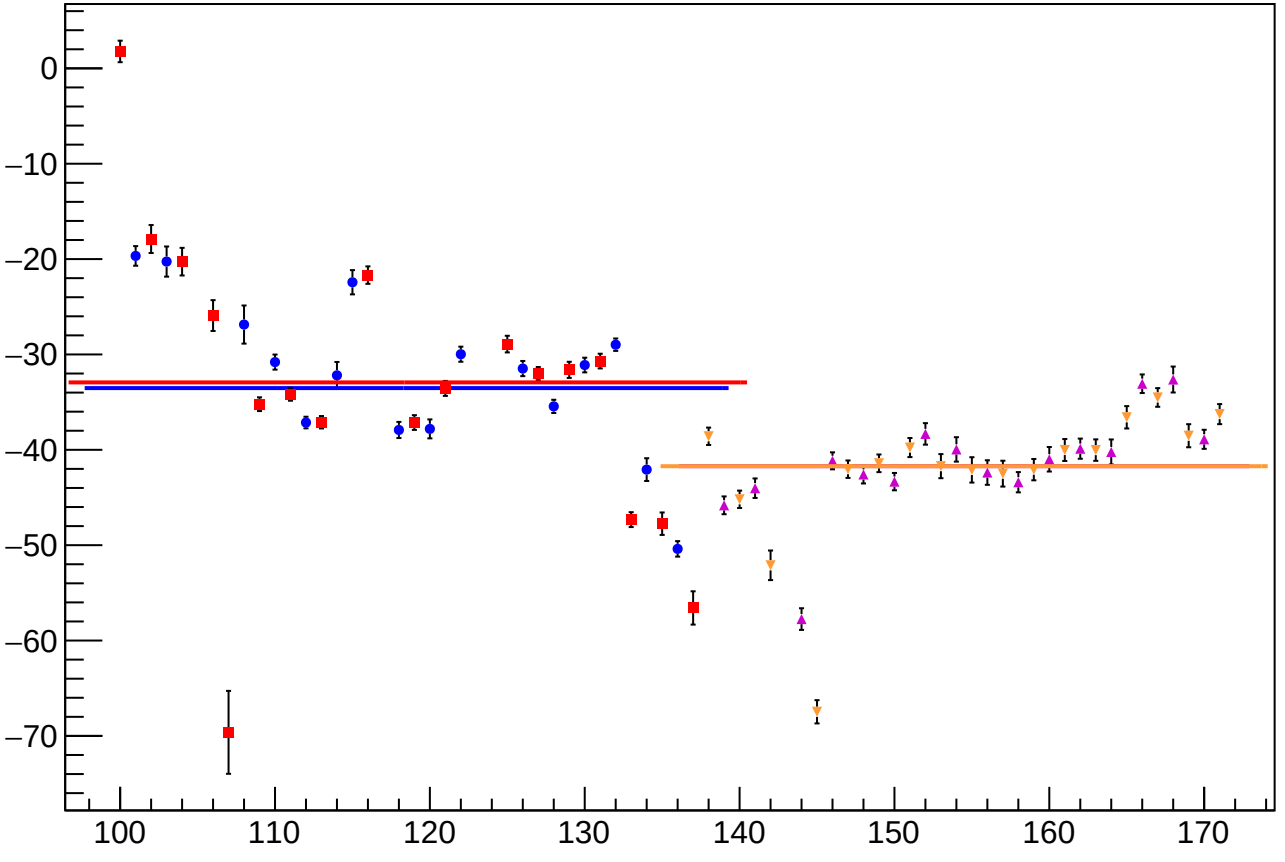
Left In: -21.018+/-0.010 χ^2/NDF:97875.8/15

+ sign -20.763+/-0.008 χ^2/NDF: 147520.8/32

All: -20.891+/-0.006 χ^2/NDF: 303403.2/66

- sign -21.021+/-0.008 χ^2/NDF: 155399.8/33

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -41.719+/-0.264 χ^2/NDF:633.0/16

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

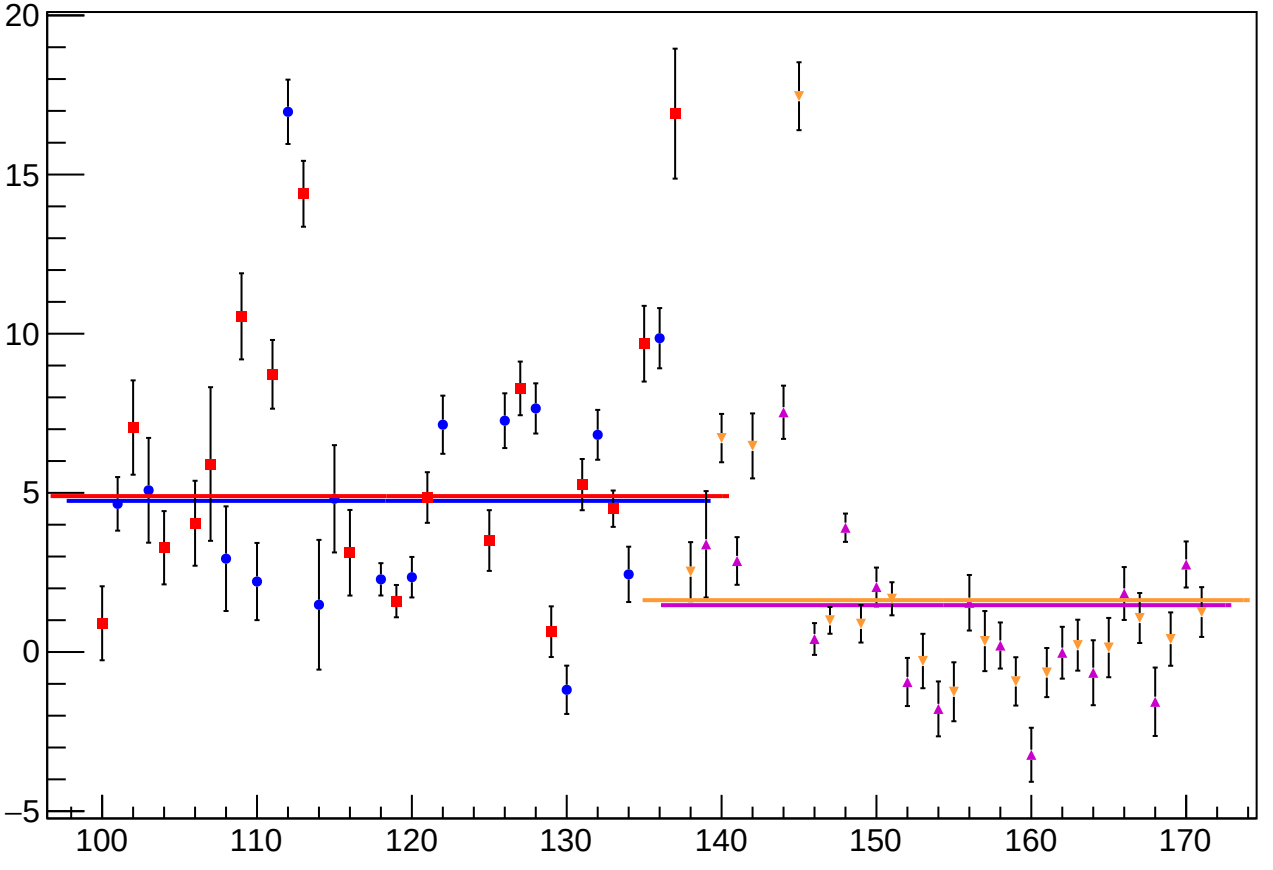
Left In: -41.711+/-0.267 χ^2/NDF:377.9/15

+ sign -36.850+/-0.168 χ^2/NDF: 2211.9/32

All: -36.581+/-0.118 χ^2/NDF: 5429.5/66

- sign -36.320+/-0.166 χ^2/NDF: 3212.6/33

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.629+/-0.178 χ^2/NDF:337.7/16

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

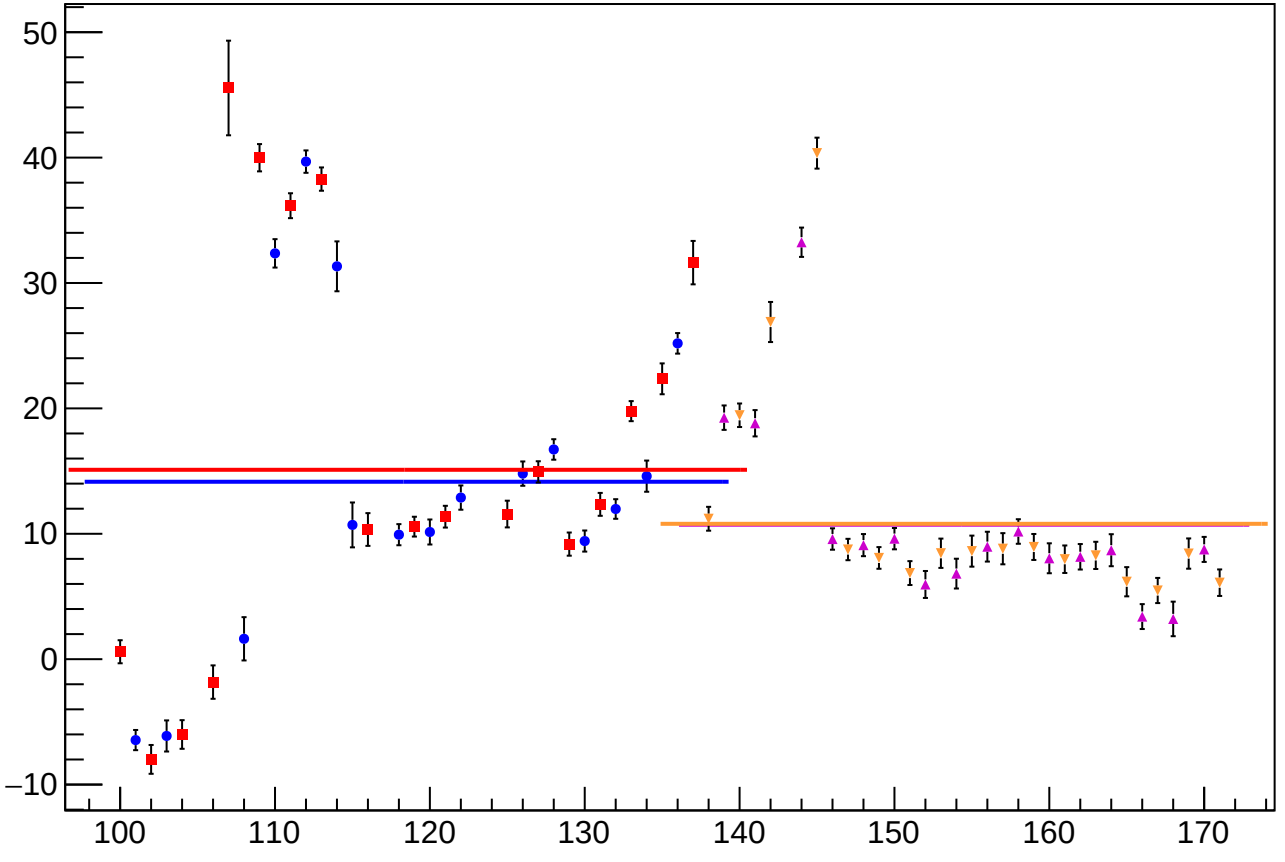
Left In: 1.472+/-0.183 χ^2/NDF:169.8/15

+ sign 2.868+/-0.138 χ^2/NDF: 784.9/32

All: 2.873+/-0.099 χ^2/NDF: 1370.8/66

- sign 2.878+/-0.141 χ^2/NDF: 586.0/33

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.795+/-0.258 χ^2/NDF:884.5/16

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

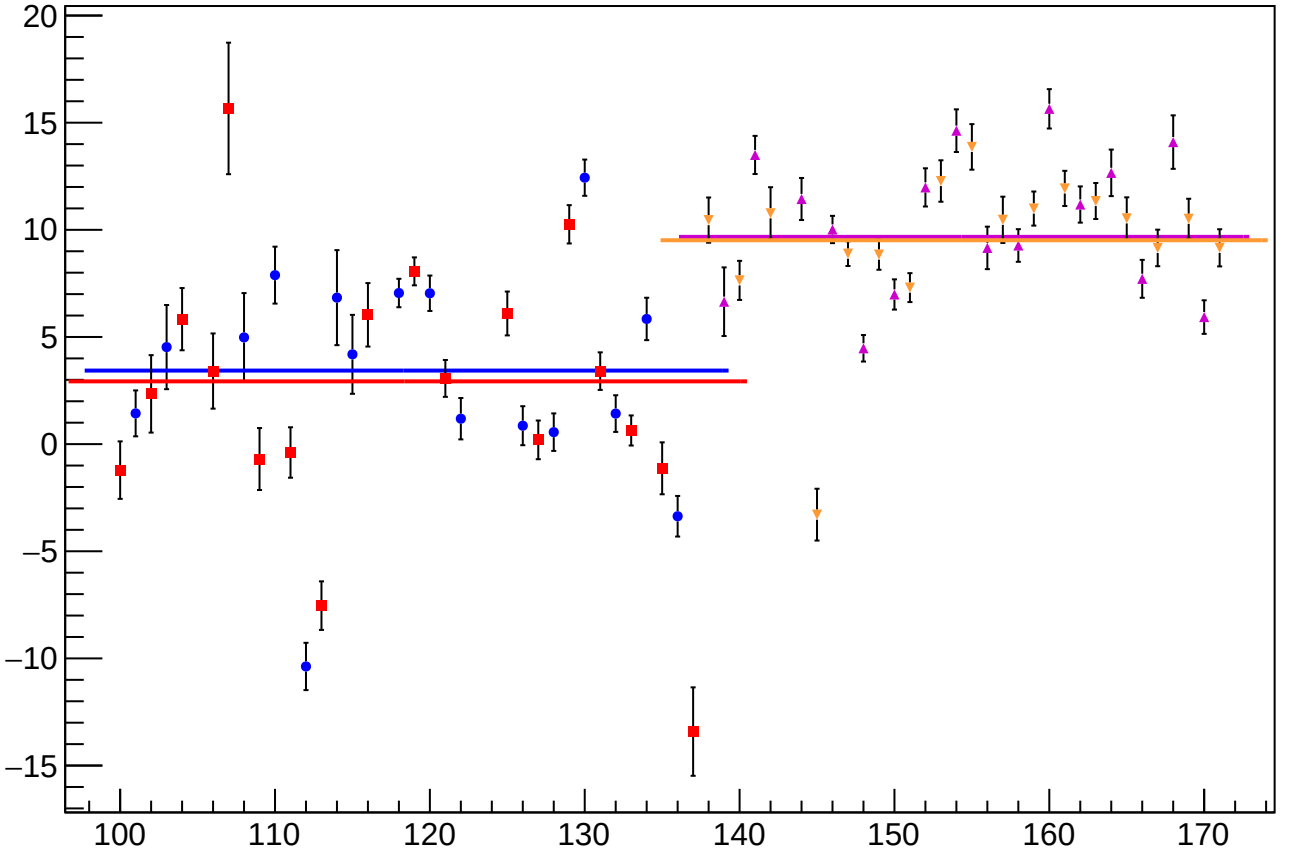
Left In: 10.723+/-0.259 χ^2/NDF:649.6/15

+ sign 12.541+/-0.178 χ^2/NDF: 3375.1/32

All: 12.804+/-0.126 χ^2/NDF: 7283.9/66

- sign 13.063+/-0.177 χ^2/NDF: 3904.5/33

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.514+/-0.209 χ^2/NDF:176.2/16

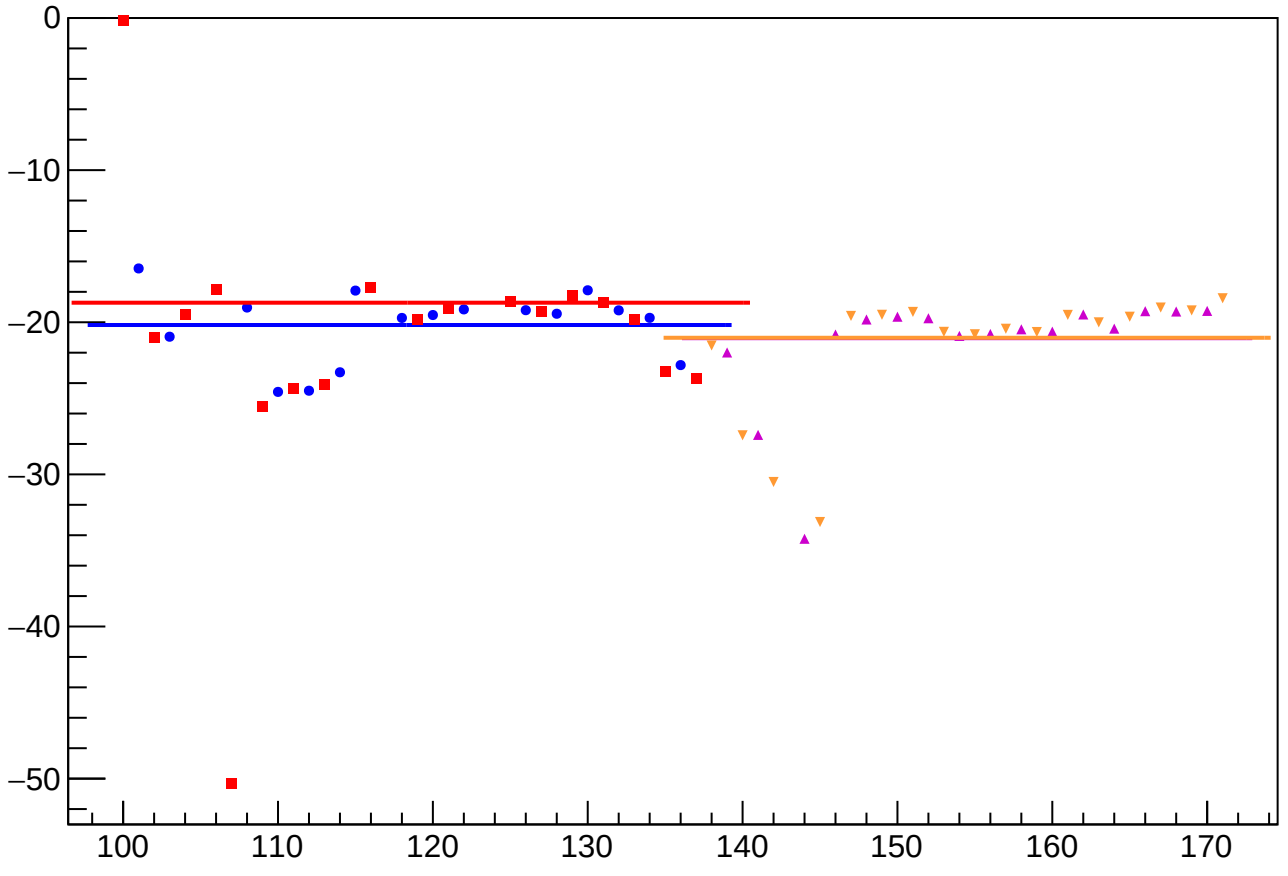
Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.671+/-0.214 χ^2/NDF:236.2/15

+ sign 7.058+/-0.162 χ^2/NDF: 941.5/32

All: 6.960+/-0.115 χ^2/NDF: 1959.1/66

- sign 6.859+/-0.164 χ^2/NDF: 1016.9/33



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.019+/-0.010 χ^2/NDF:125285.8/16

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

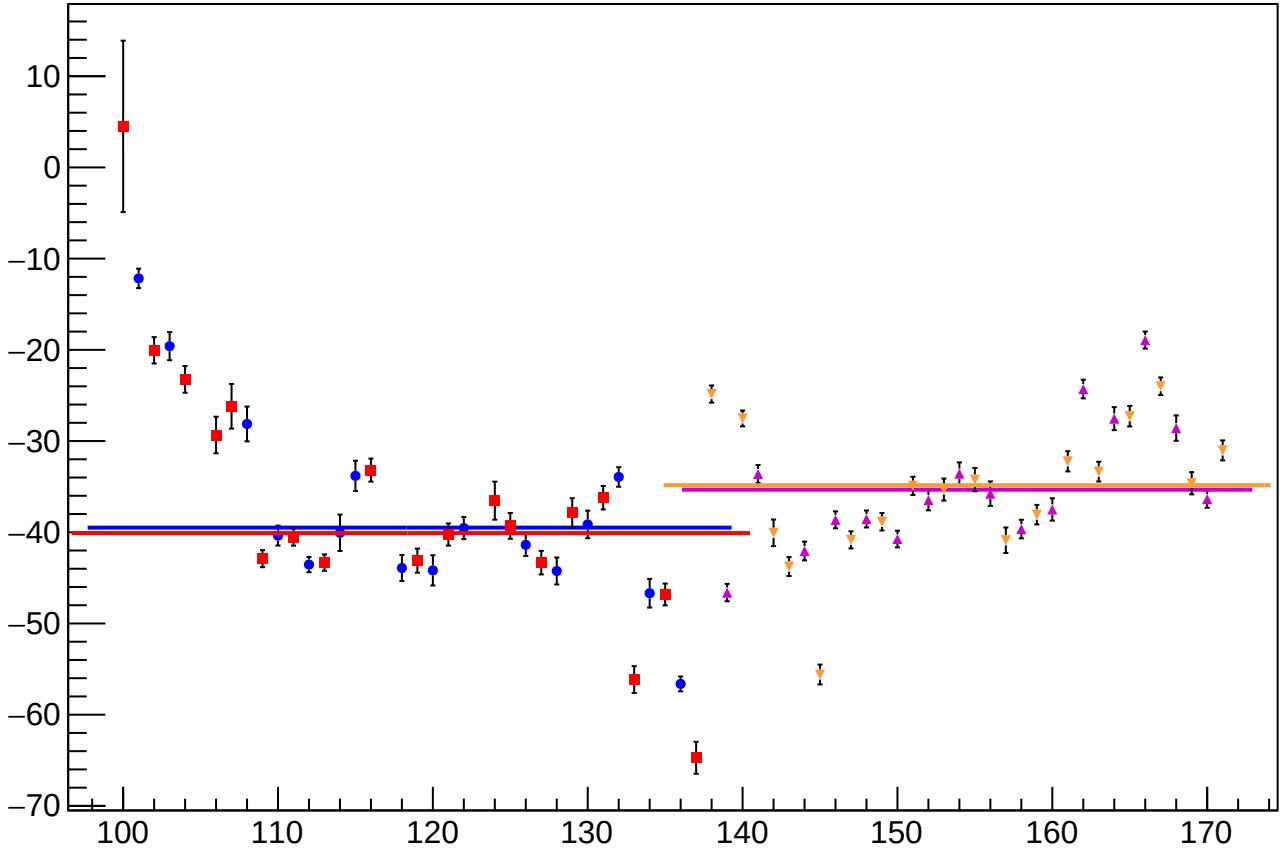
Left In: -21.048+/-0.010 χ^2/NDF:98151.1/15

+ sign -20.795+/-0.008 χ^2/NDF: 147144.2/32

All: -20.592+/-0.006 χ^2/NDF: 497302.9/66

- sign -20.391+/-0.008 χ^2/NDF: 348969.4/33

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -34.837+/-0.253 χ^2/NDF:911.9/17

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

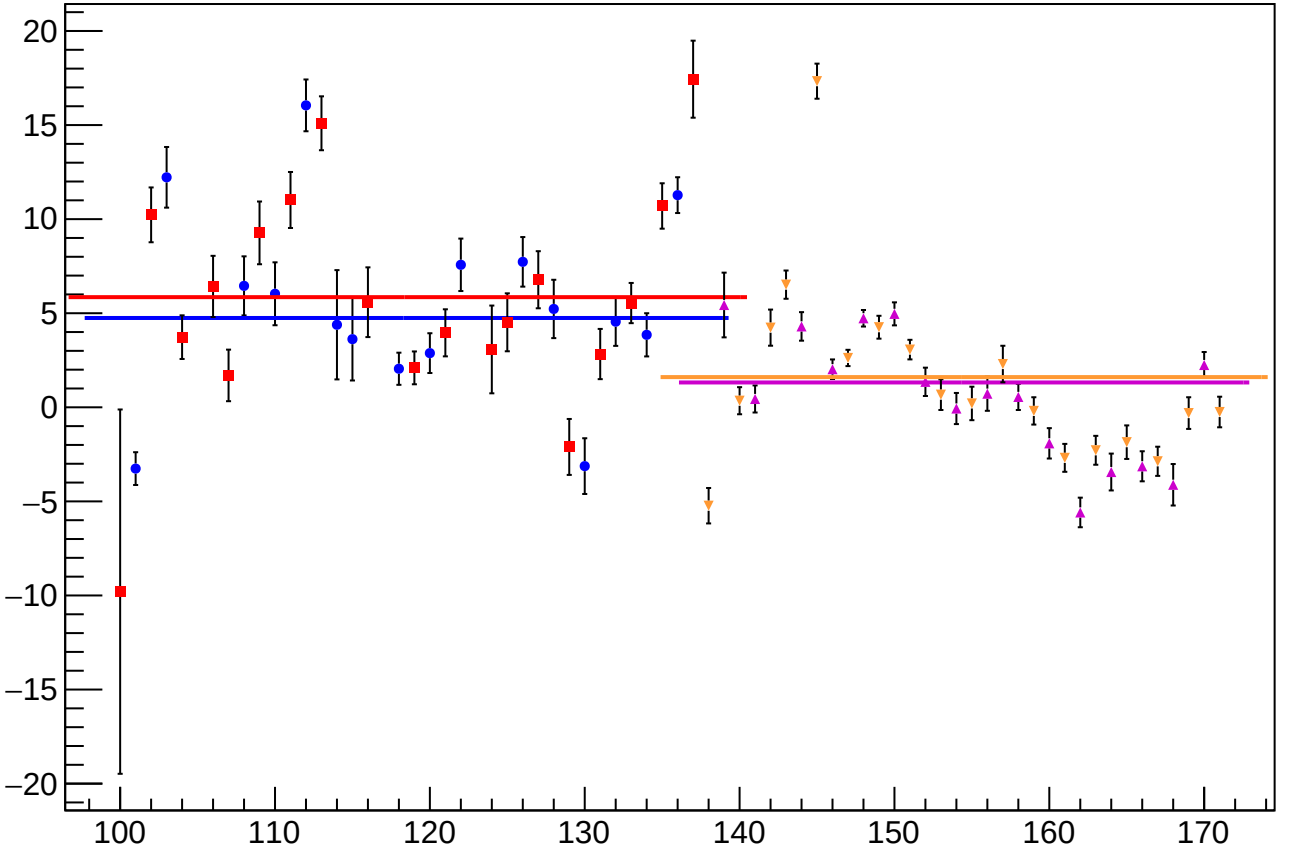
Left In: -35.335+/-0.262 χ^2/NDF:755.3/15

+ sign -36.691+/-0.196 χ^2/NDF: 2464.1/33

All: -37.009+/-0.140 χ^2/NDF: 4198.5/68

- sign -37.338+/-0.199 χ^2/NDF: 1729.0/34

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.605+/-0.172 χ^2/NDF:551.2/17

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

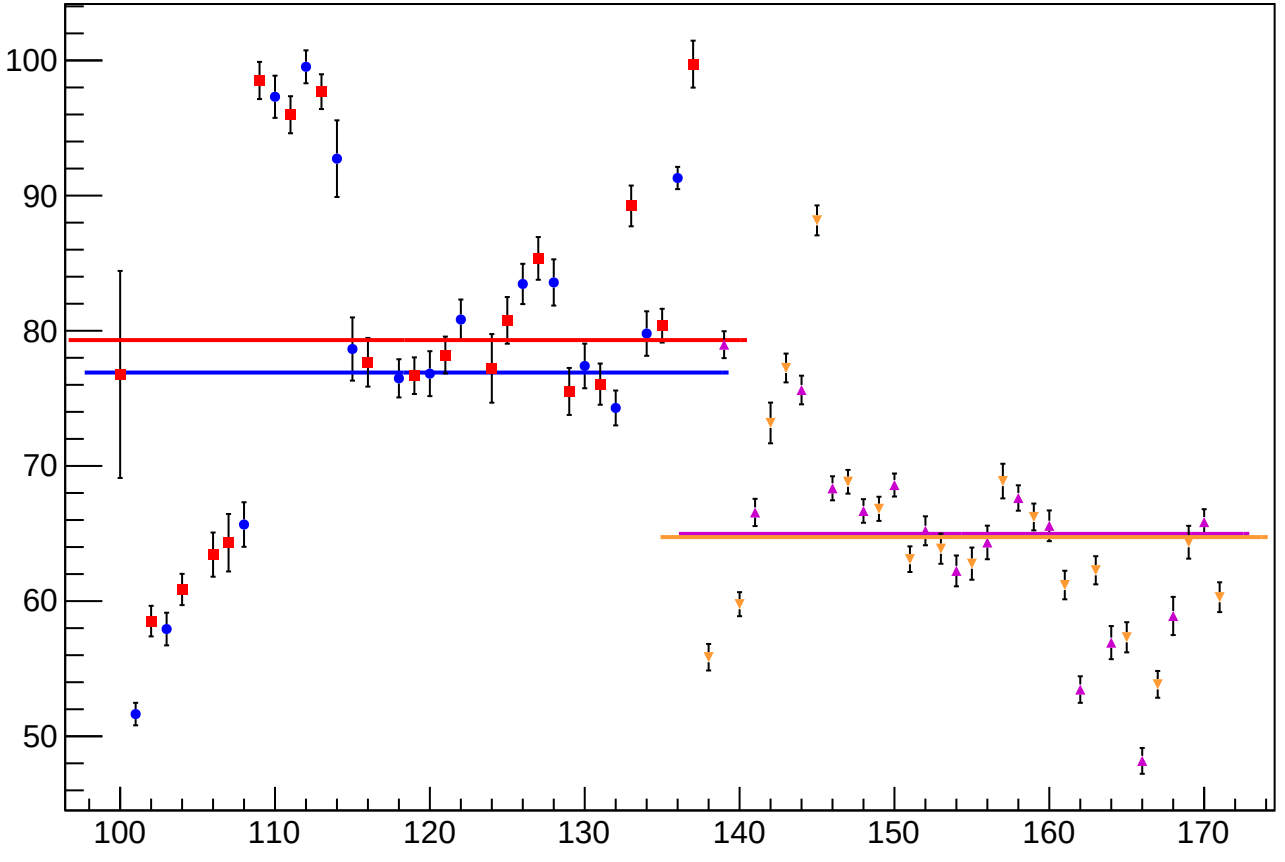
Left In: 1.320+/-0.180 χ^2/NDF:298.8/15

+ sign 2.322+/-0.151 χ^2/NDF: 901.4/33

All: 2.356+/-0.109 χ^2/NDF: 1537.5/68

- sign 2.393+/-0.158 χ^2/NDF: 636.0/34

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.736+/-0.247 χ^2/NDF:974.0/17

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

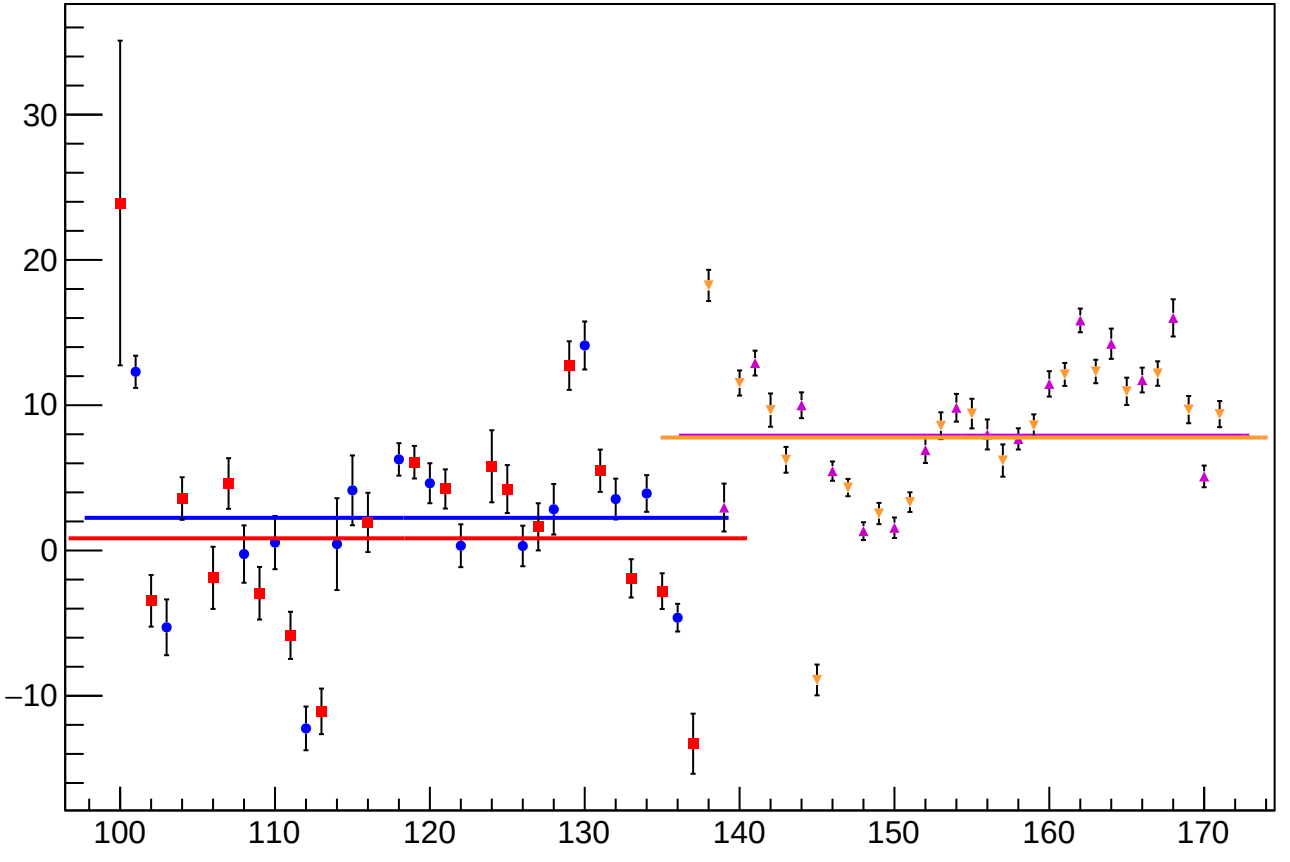
Left In: 64.974+/-0.255 χ^2/NDF:860.9/15

+ sign 68.994+/-0.199 χ^2/NDF: 3939.0/33

All: 69.468+/-0.143 χ^2/NDF: 7414.4/68

- sign 69.973+/-0.205 χ^2/NDF: 3463.7/34

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.777+/-0.201 χ^2/NDF:610.2/17

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

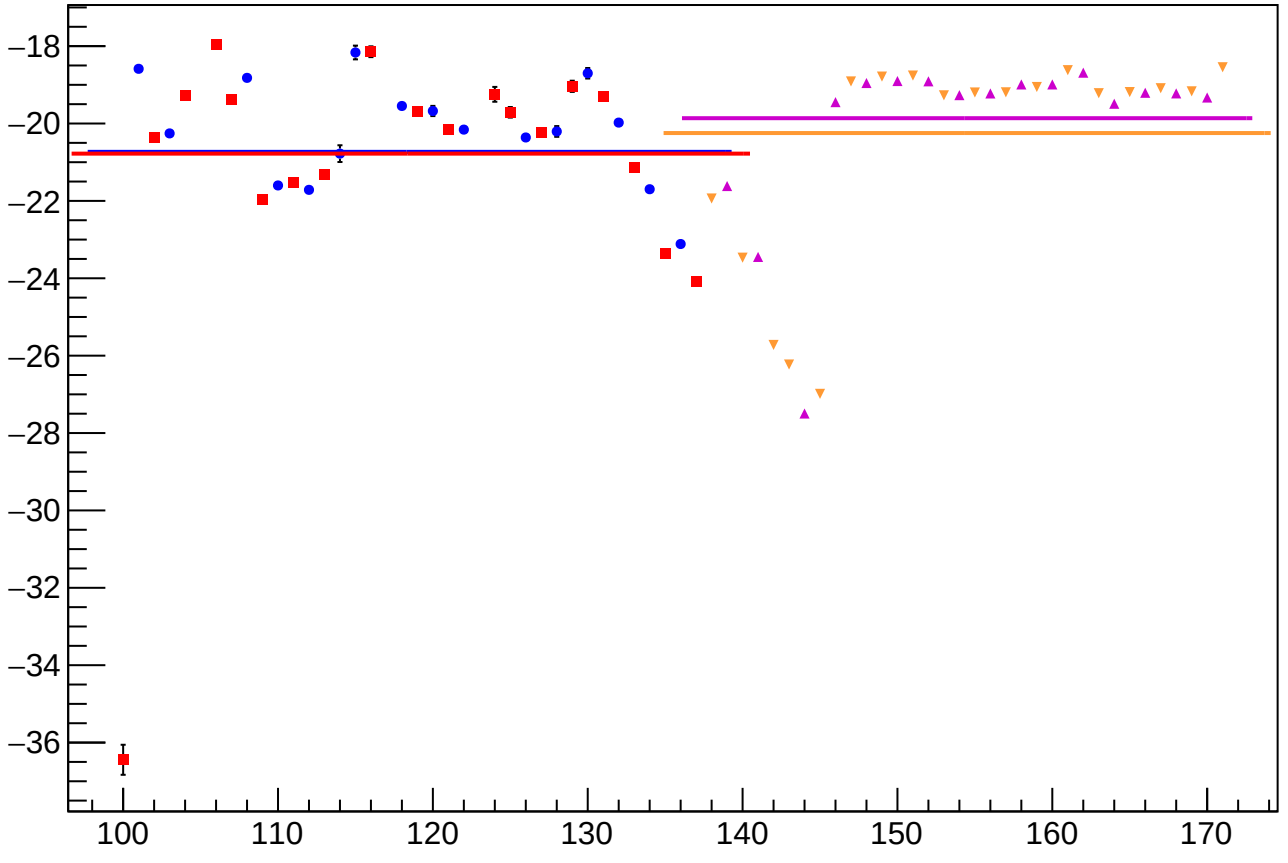
Left In: 7.905+/-0.210 χ^2/NDF:485.6/15

+ sign 6.480+/-0.176 χ^2/NDF: 1107.3/33

All: 6.343+/-0.127 χ^2/NDF: 2123.7/68

- sign 6.196+/-0.183 χ^2/NDF: 1015.1/34

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.246+/-0.009 χ^2/NDF:72726.8/17

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

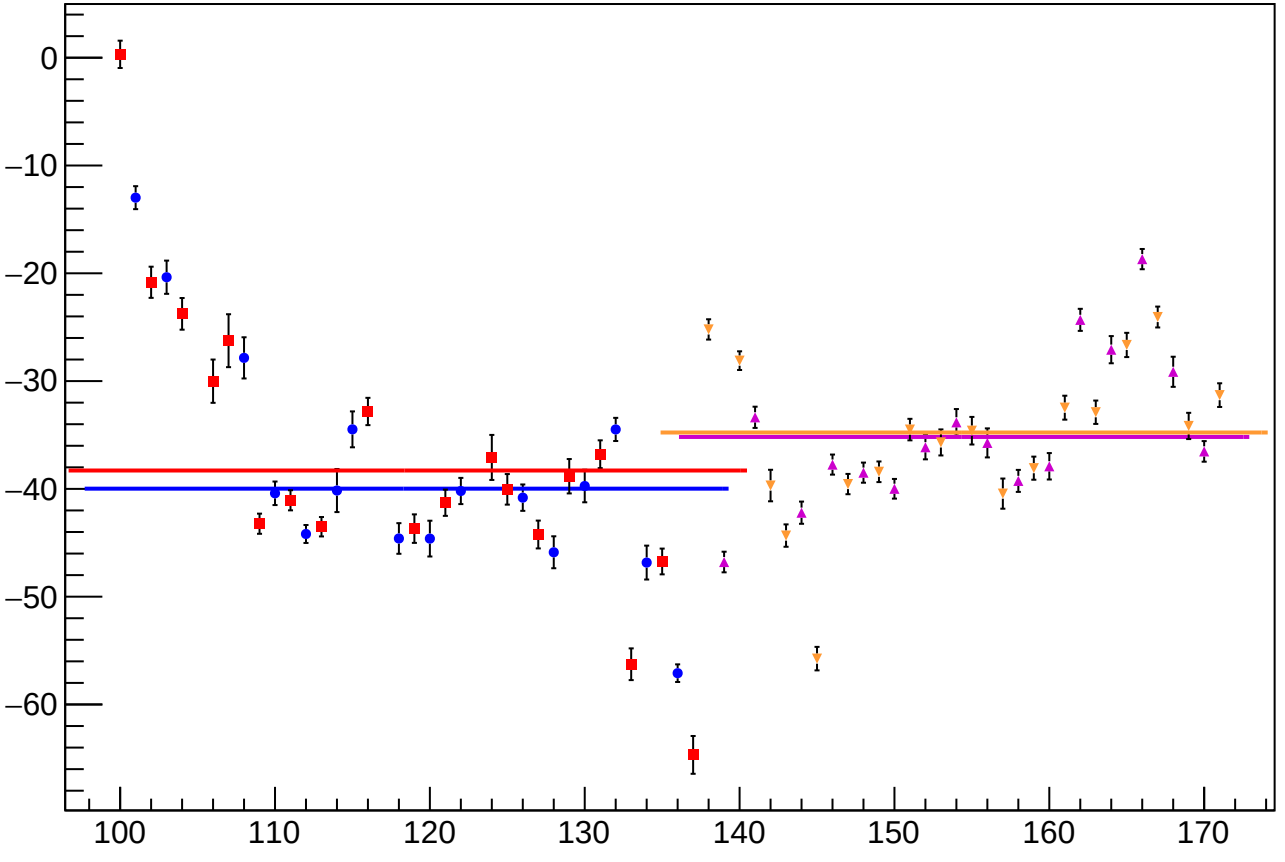
Left In: -19.863+/-0.010 χ^2/NDF:41575.3/15

+ sign -20.338+/-0.008 χ^2/NDF: 80869.5/33

All: -20.188+/-0.006 χ^2/NDF: 134197.8/68

- sign -20.031+/-0.009 χ^2/NDF: 52682.0/34

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -34.769+/-0.253 χ^2/NDF:887.4/17

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

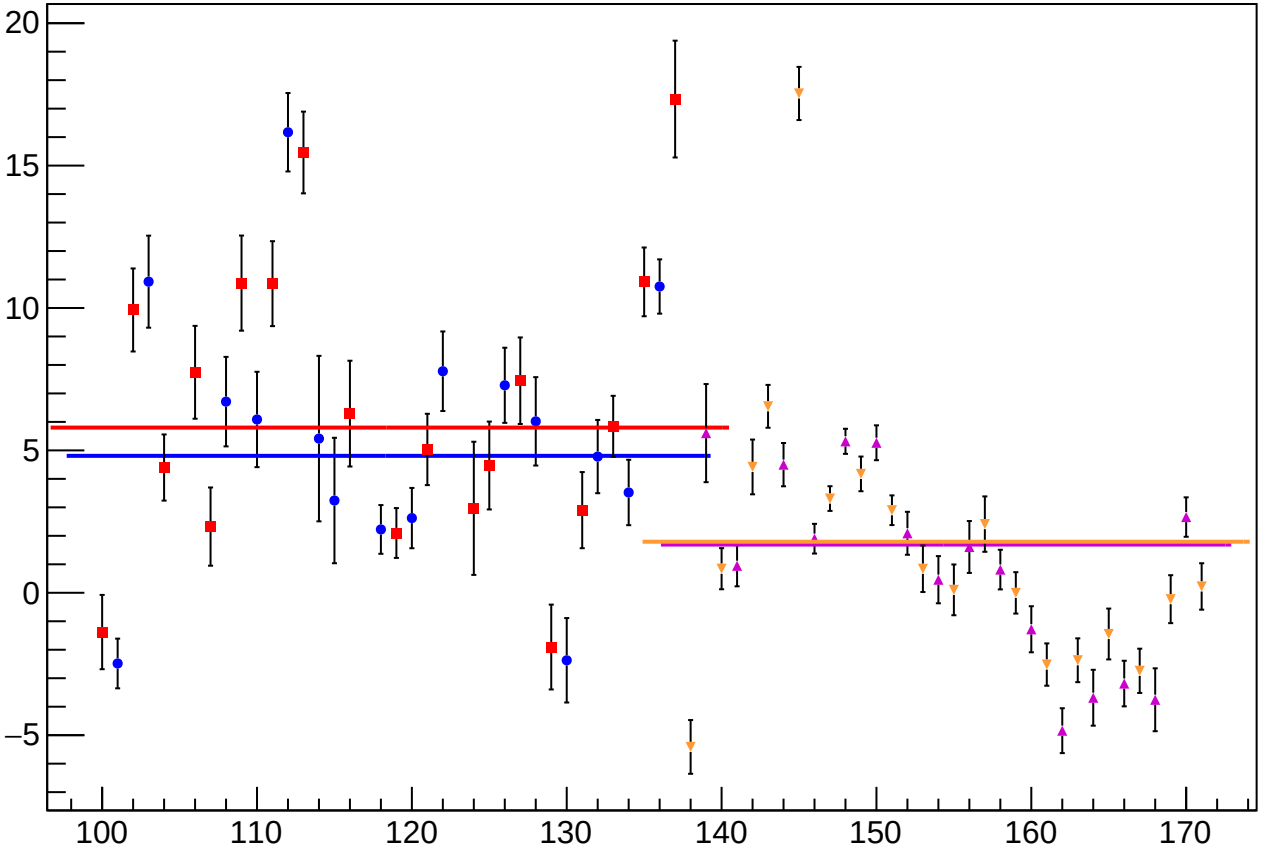
Left In: -35.183+/-0.262 χ^2/NDF:751.0/15

+ sign -36.844+/-0.196 χ^2/NDF: 2454.7/33

All: -36.691+/-0.139 χ^2/NDF: 5041.7/68

- sign -36.537+/-0.197 χ^2/NDF: 2585.9/34

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.793+/-0.172 χ^2/NDF:554.9/17

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

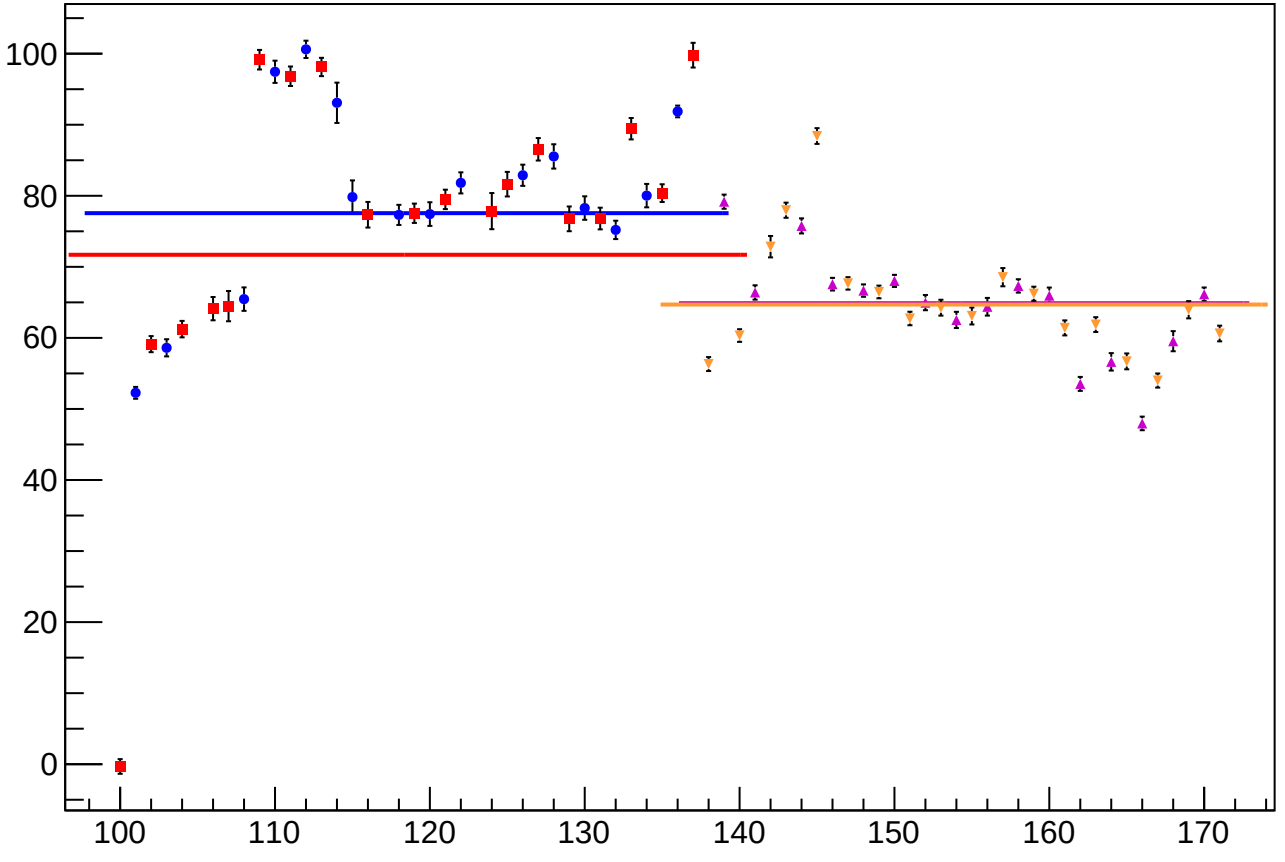
Left In: 1.693+/-0.181 χ^2/NDF:301.8/15

+ sign 2.481+/-0.151 χ^2/NDF: 865.4/33

All: 2.592+/-0.109 χ^2/NDF: 1512.8/68

- sign 2.710+/-0.157 χ^2/NDF: 646.2/34

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.694+/-0.247 χ^2/NDF:968.4/17

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

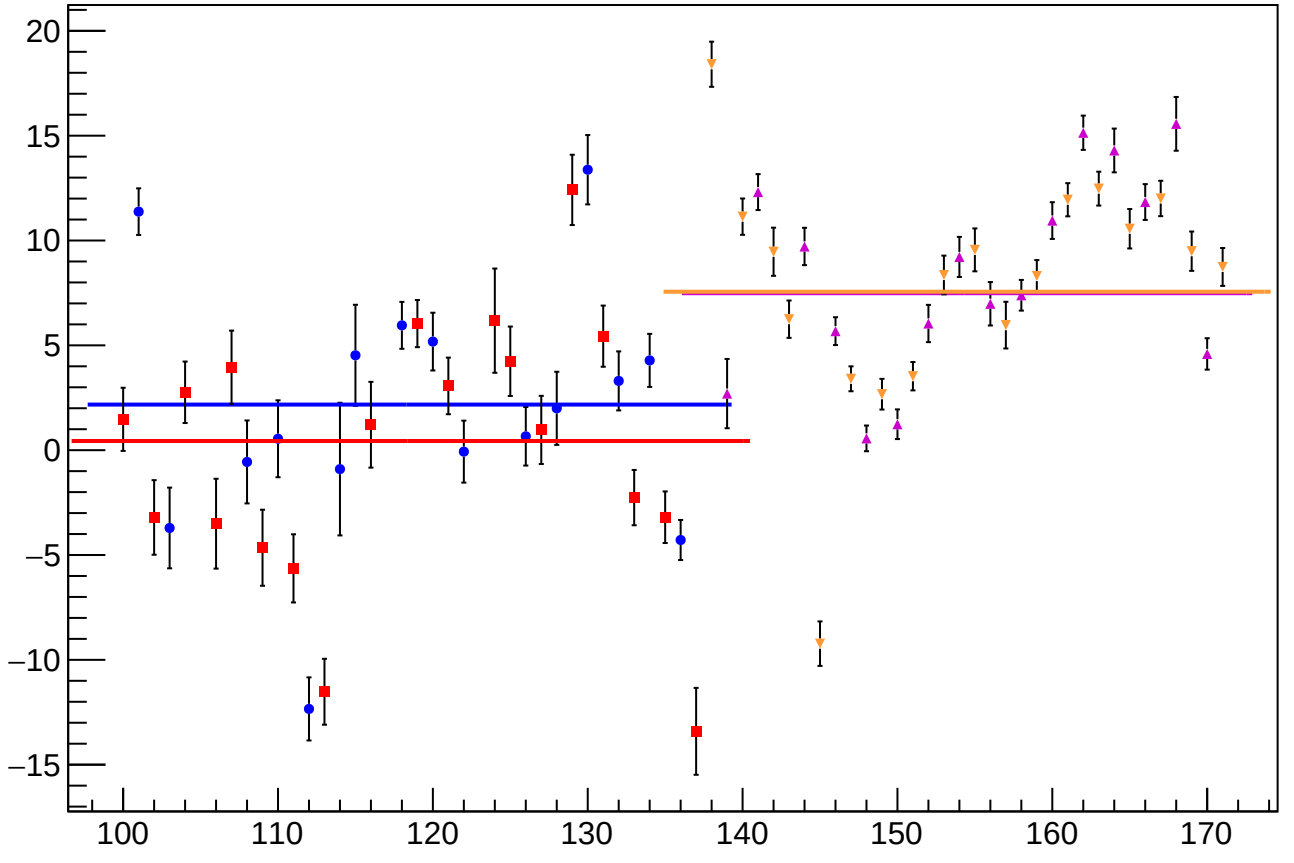
Left In: 64.887+/-0.255 χ^2/NDF:858.2/15

+ sign 69.192+/-0.200 χ^2/NDF: 4031.3/33

All: 68.321+/-0.142 χ^2/NDF: 12098.0/68

- sign 67.429+/-0.202 χ^2/NDF: 8028.1/34

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 7.558+/-0.201 χ^2/NDF:622.0/17

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

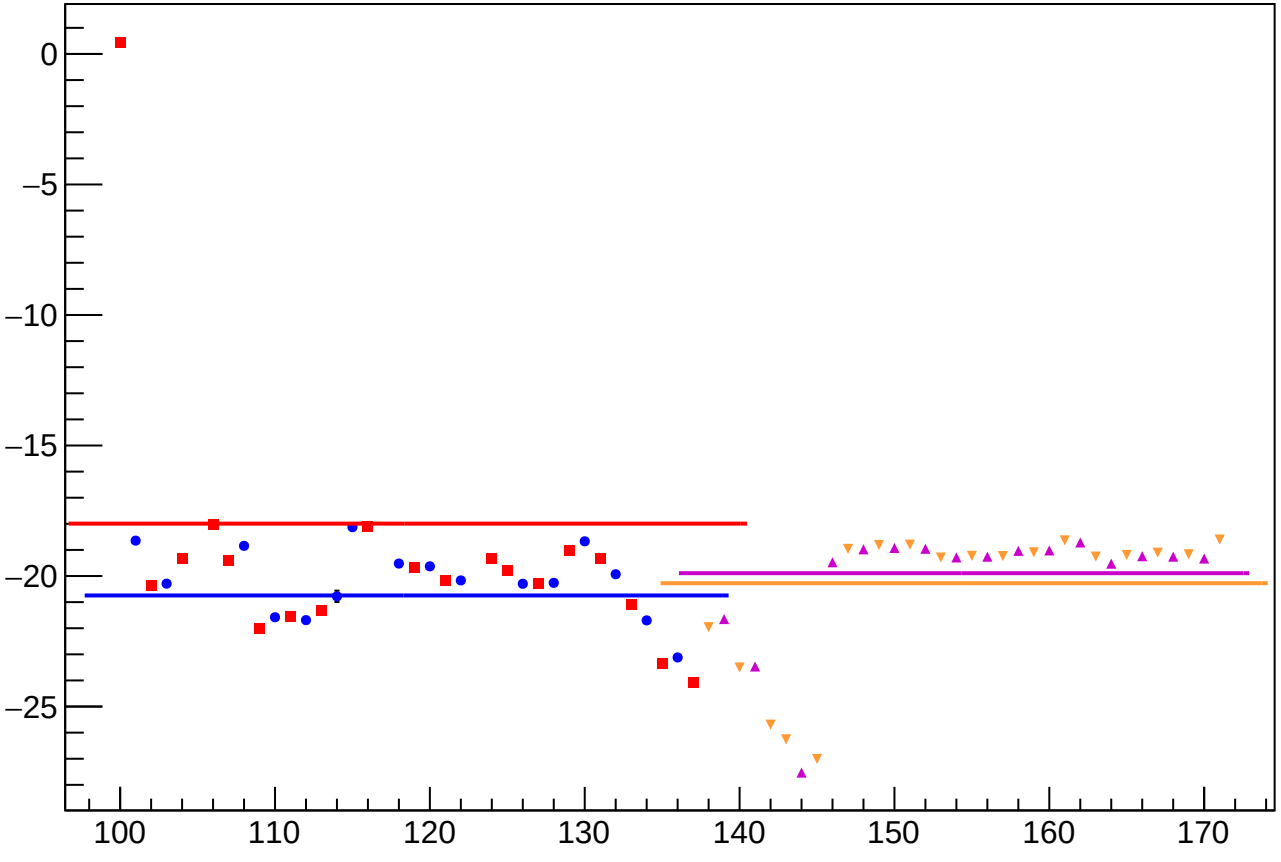
Left In: 7.486+/-0.211 χ^2/NDF:491.9/15

+ sign 6.295+/-0.176 χ^2/NDF: 1080.0/33

All: 6.009+/-0.127 χ^2/NDF: 2114.8/68

- sign 5.704+/-0.182 χ^2/NDF: 1029.4/34

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.274+/-0.009 χ^2/NDF:72249.4/17

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

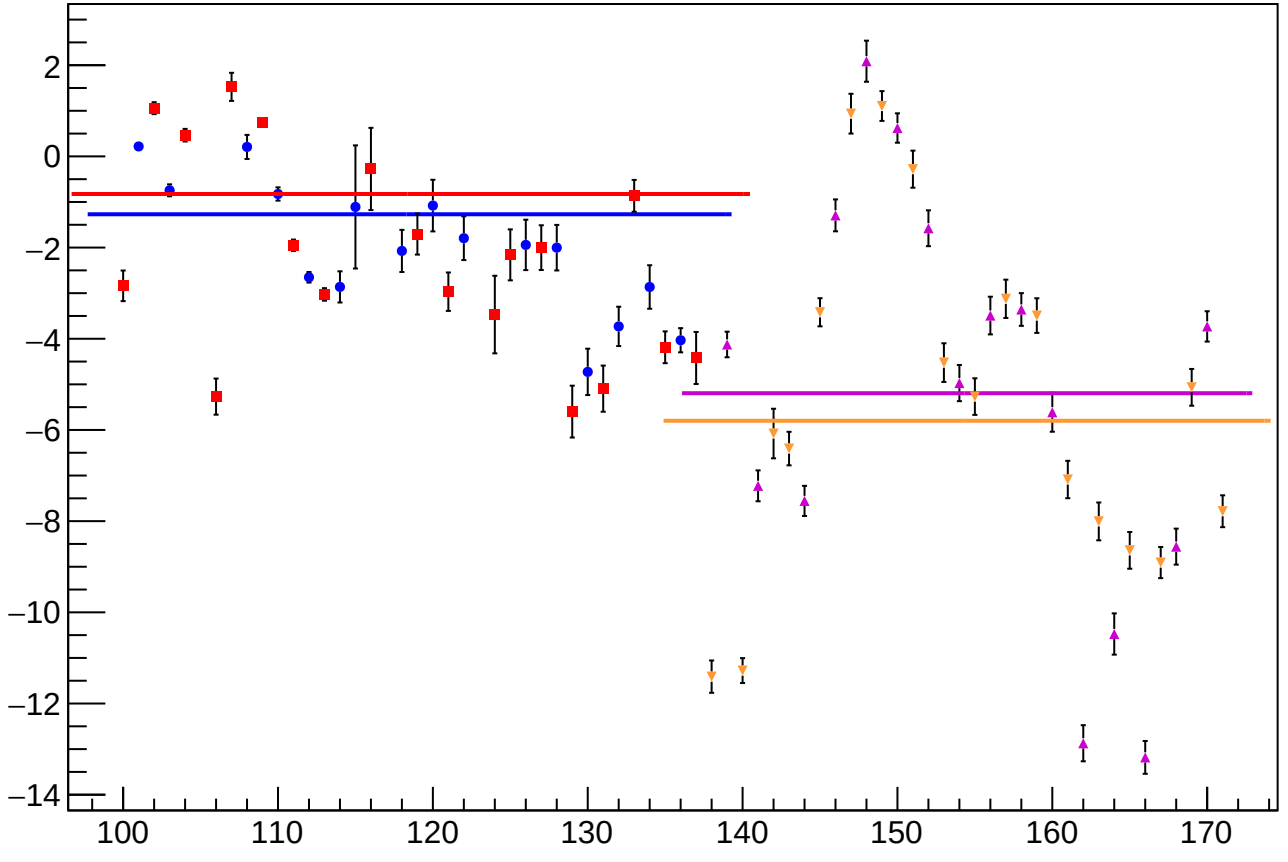
Left In: -19.891+/-0.010 χ^2/NDF:41418.2/15

+ sign -20.362+/-0.008 χ^2/NDF: 80238.5/33

All: -19.938+/-0.006 χ^2/NDF: 285404.1/68

- sign -19.501+/-0.009 χ^2/NDF: 200032.0/34

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.798+/-0.088 χ^2/NDF:1881.7/17

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

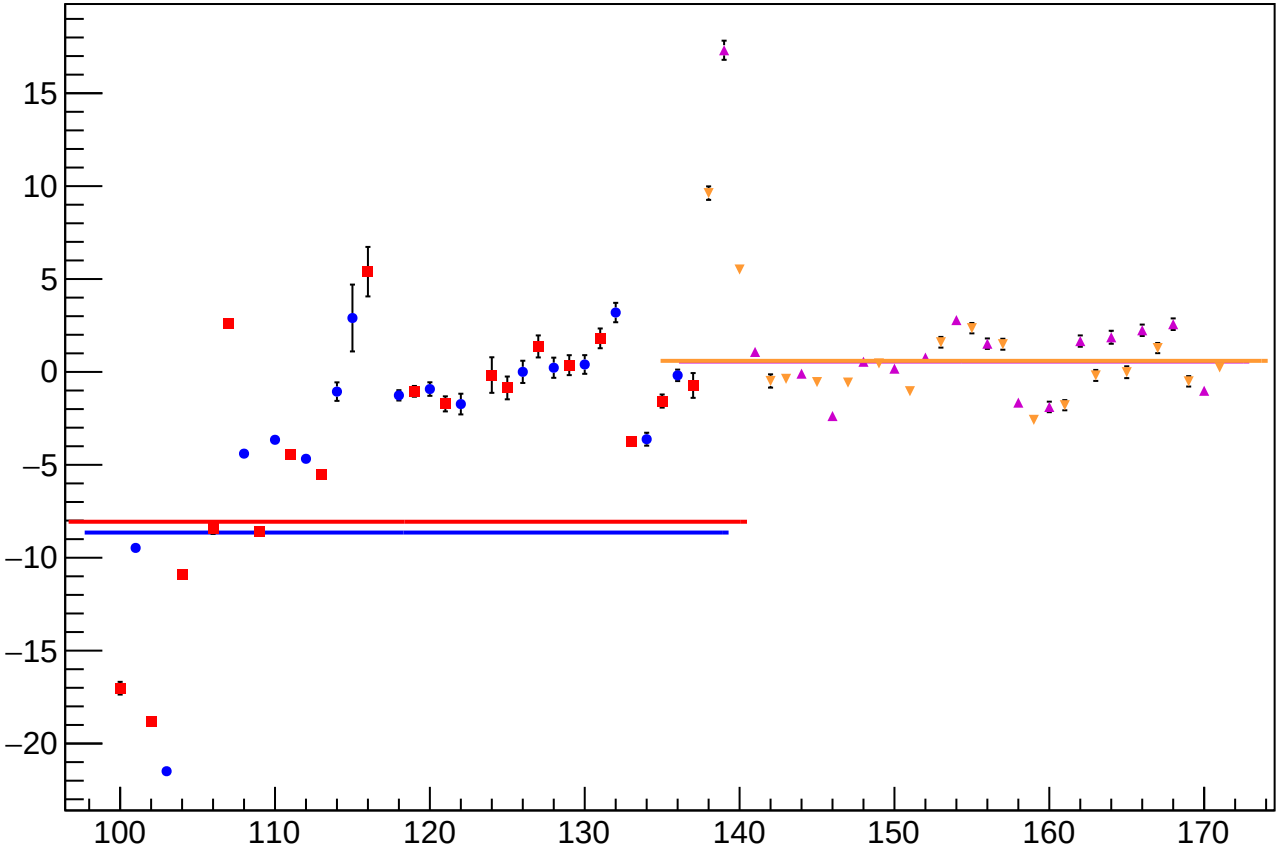
Left In: -5.194+/-0.091 χ^2/NDF:2038.4/15

+ sign -2.522+/-0.046 χ^2/NDF: 4405.9/33

All: -2.179+/-0.032 χ^2/NDF: 9674.7/68

- sign -1.863+/-0.045 χ^2/NDF: 5163.7/34

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.597+/-0.062 χ^2/NDF:1523.3/17

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

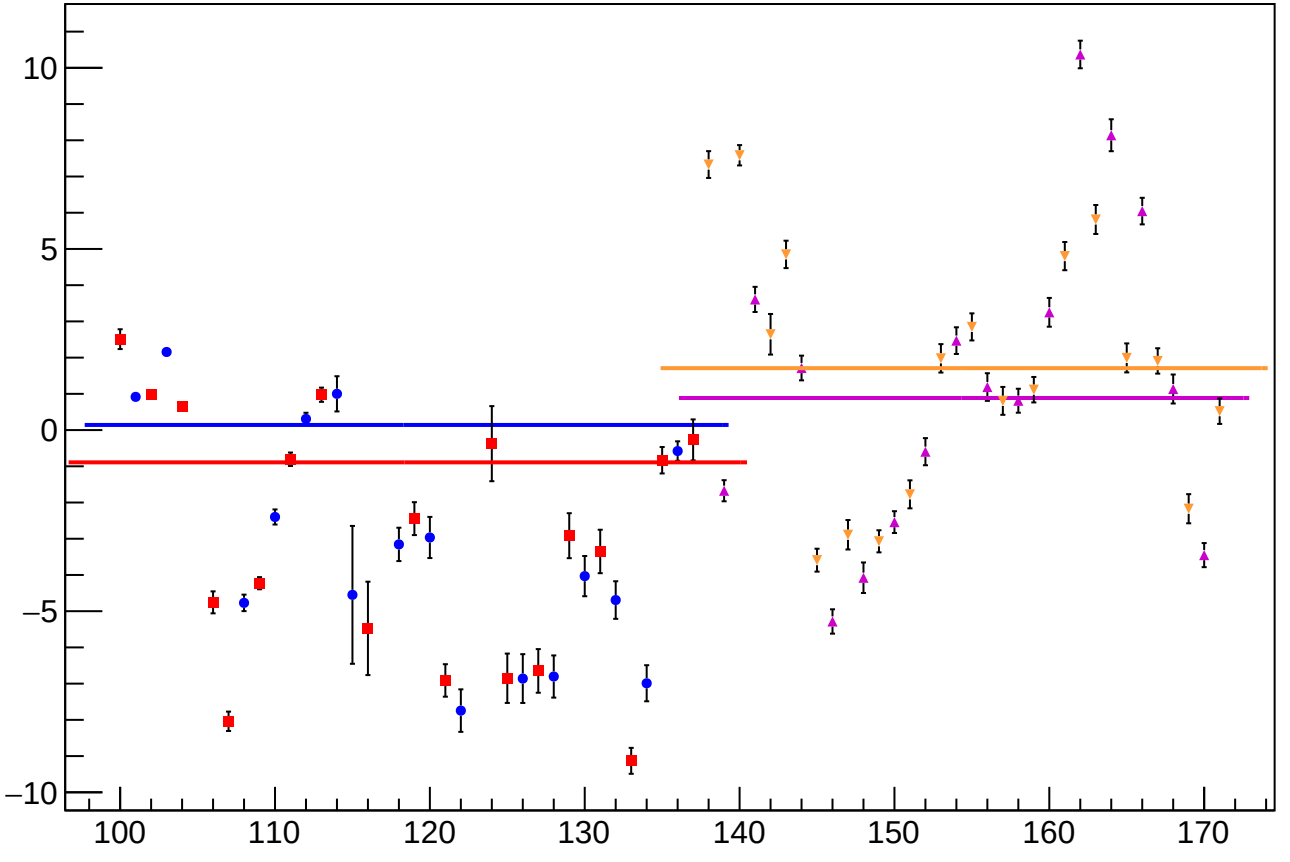
Left In: 0.561+/-0.066 χ^2/NDF:1641.2/15

+ sign -4.450+/-0.042 χ^2/NDF: 27309.7/33

All: -4.404+/-0.030 χ^2/NDF: 53051.7/68

- sign -4.355+/-0.043 χ^2/NDF: 25739.6/34

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.710+/-0.087 χ^2/NDF:1768.2/17

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

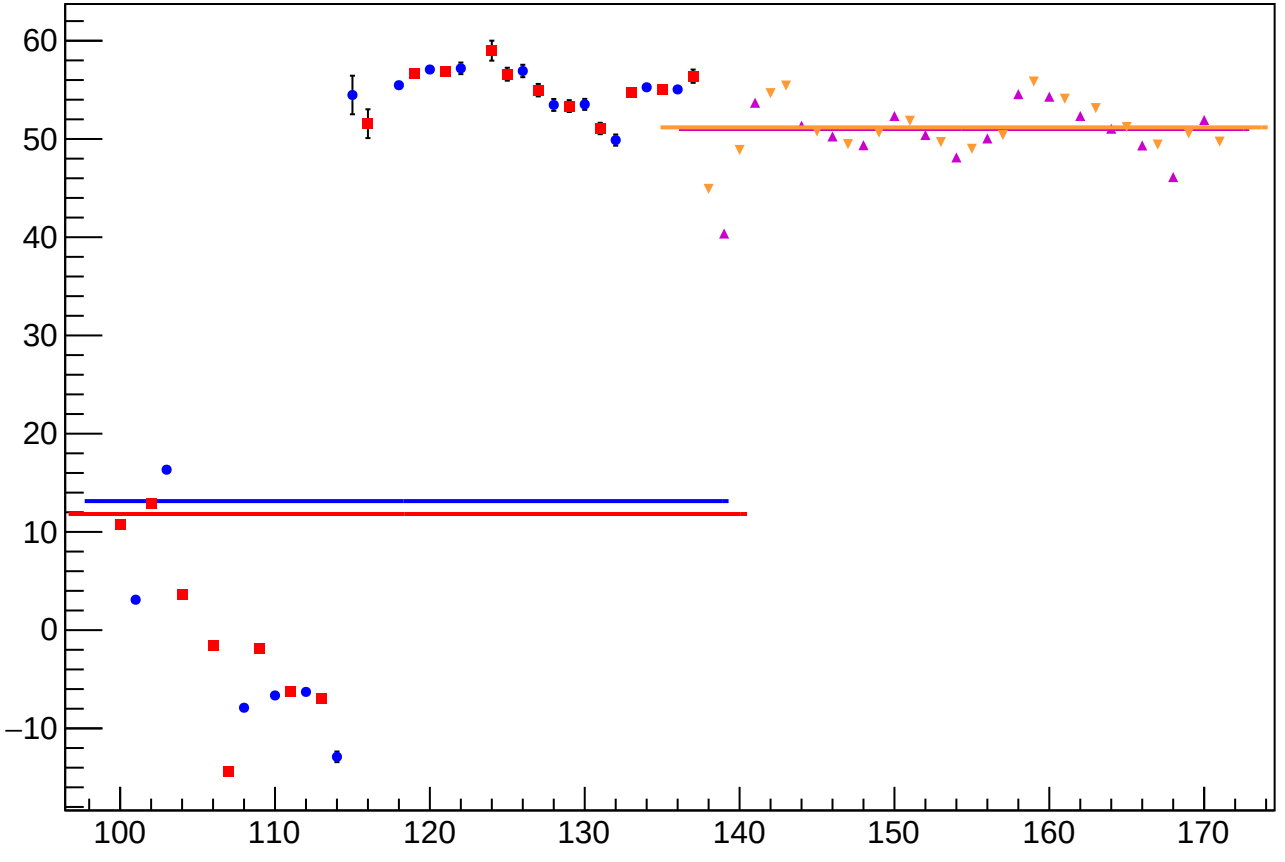
Left In: 0.886+/-0.089 χ^2/NDF:2078.3/15

+ sign 0.569+/-0.045 χ^2/NDF: 3967.0/33

All: 0.083+/-0.032 χ^2/NDF: 9557.8/68

- sign -0.419+/-0.046 χ^2/NDF: 5355.6/34

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.181+/-0.072 χ^2/NDF:1172.7/17

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

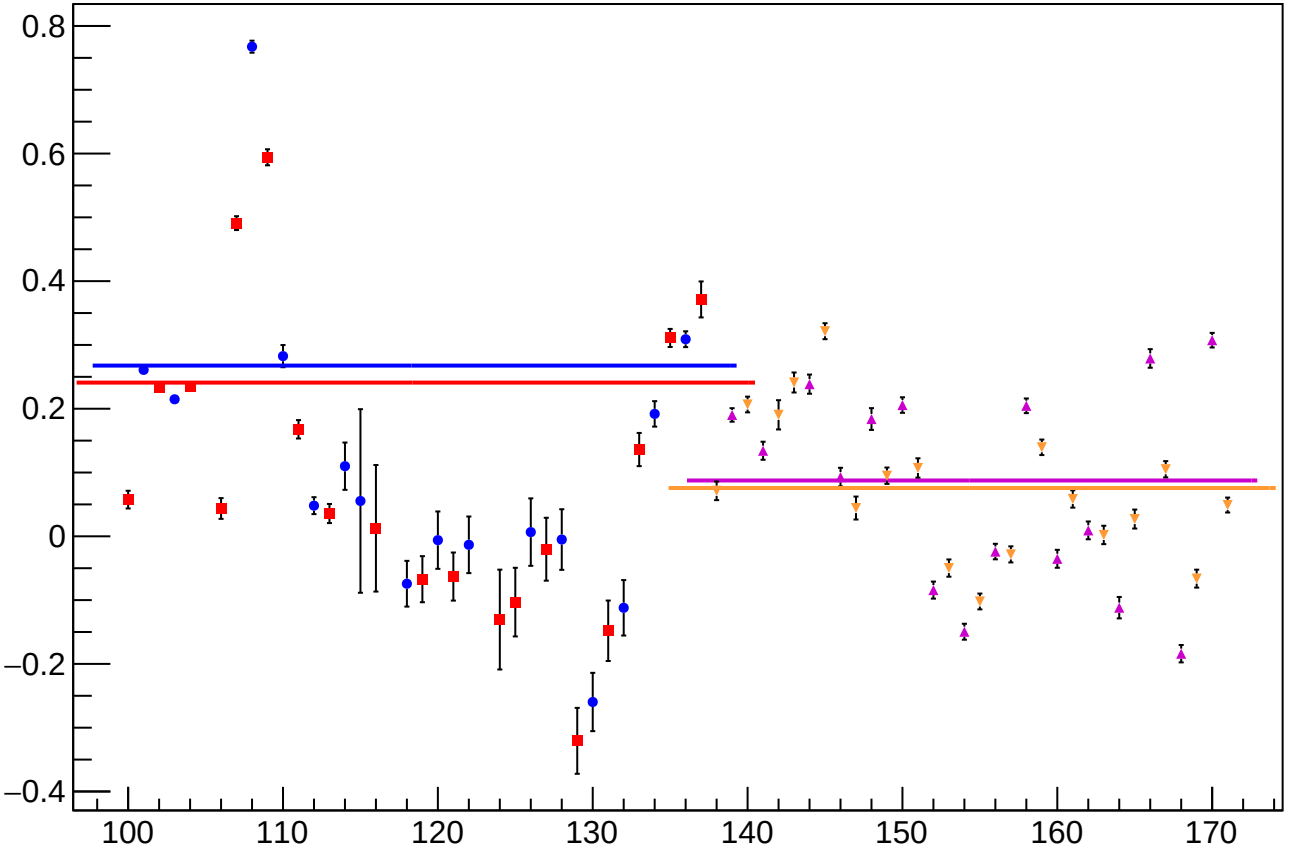
Left In: 51.015+/-0.076 χ^2/NDF:1257.1/15

+ sign 31.070+/-0.049 χ^2/NDF: 257544.4/33

All: 30.197+/-0.035 χ^2/NDF: 526273.4/68

- sign 29.284+/-0.051 χ^2/NDF: 268090.0/34

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.076+/-0.003 χ^2/NDF:1182.7/17

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

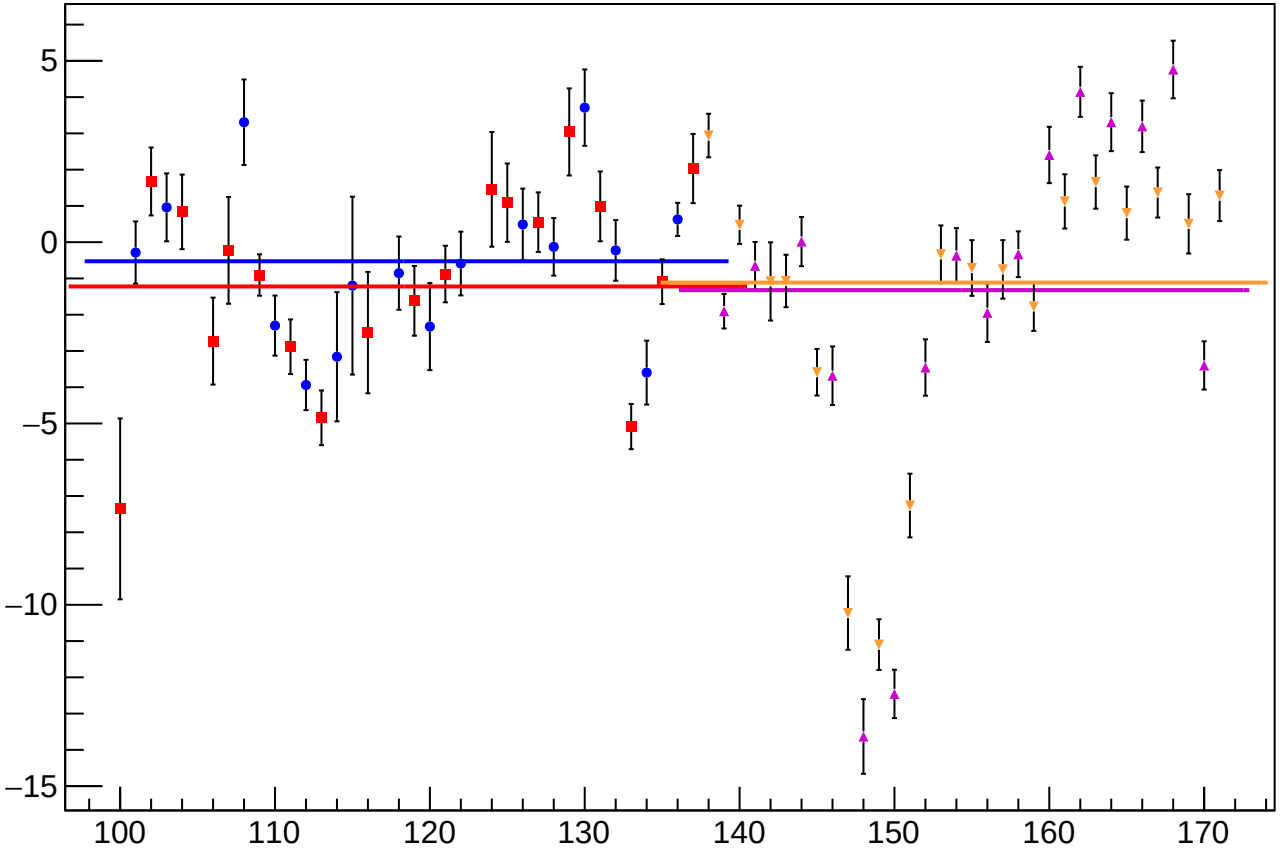
Left In: 0.088+/-0.003 χ^2/NDF:2232.1/15

+ sign 0.186+/-0.002 χ^2/NDF: 6918.3/33

All: 0.182+/-0.001 χ^2/NDF: 12765.6/68

- sign 0.179+/-0.002 χ^2/NDF: 5841.5/34

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.115+/-0.172 χ^2/NDF:464.5/17

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

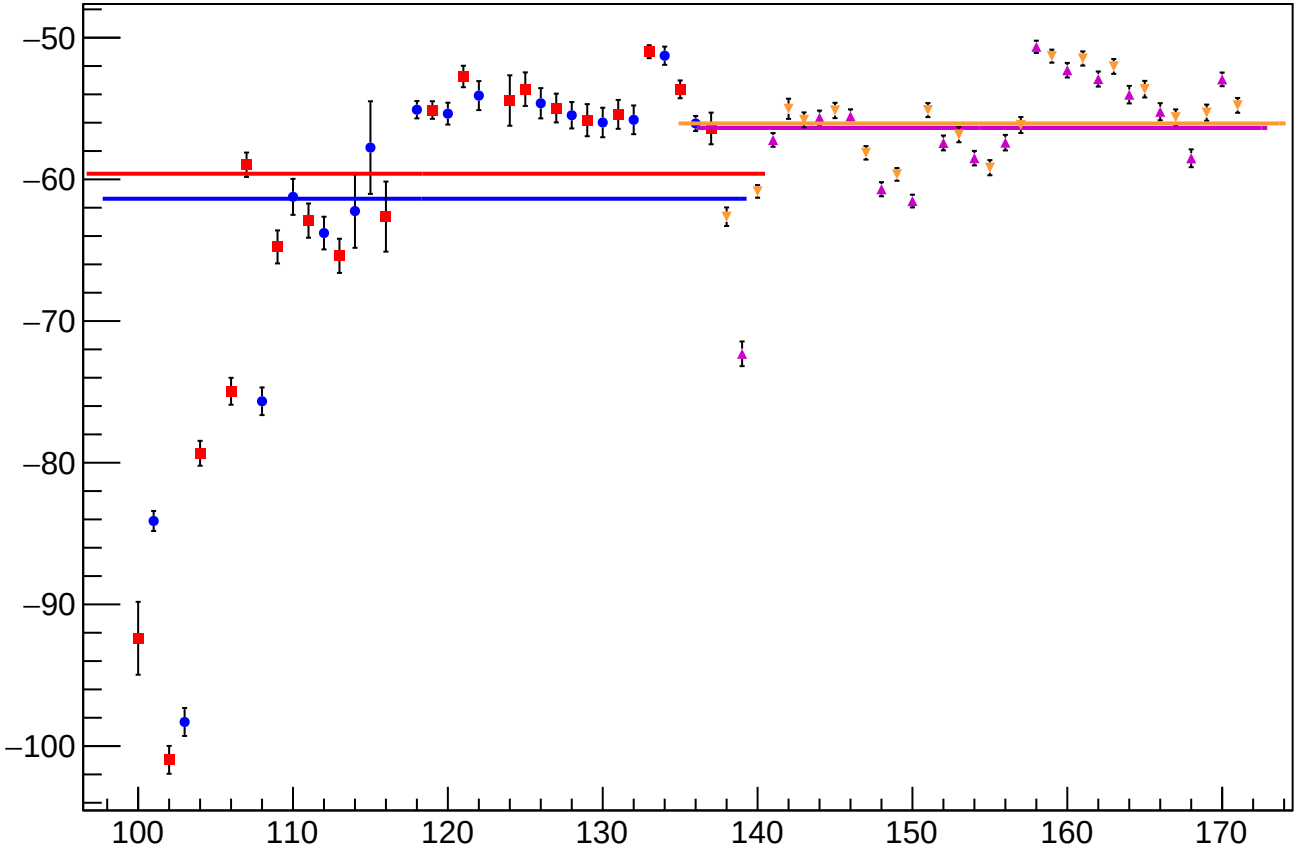
Left In: -1.322+/-0.176 χ^2/NDF:677.7/15

+ sign -0.889+/-0.135 χ^2/NDF: 551.8/33

All: -1.085+/-0.095 χ^2/NDF: 1364.7/68

- sign -1.279+/-0.133 χ^2/NDF: 808.7/34

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.051+/-0.124 χ^2/NDF:618.3/17

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

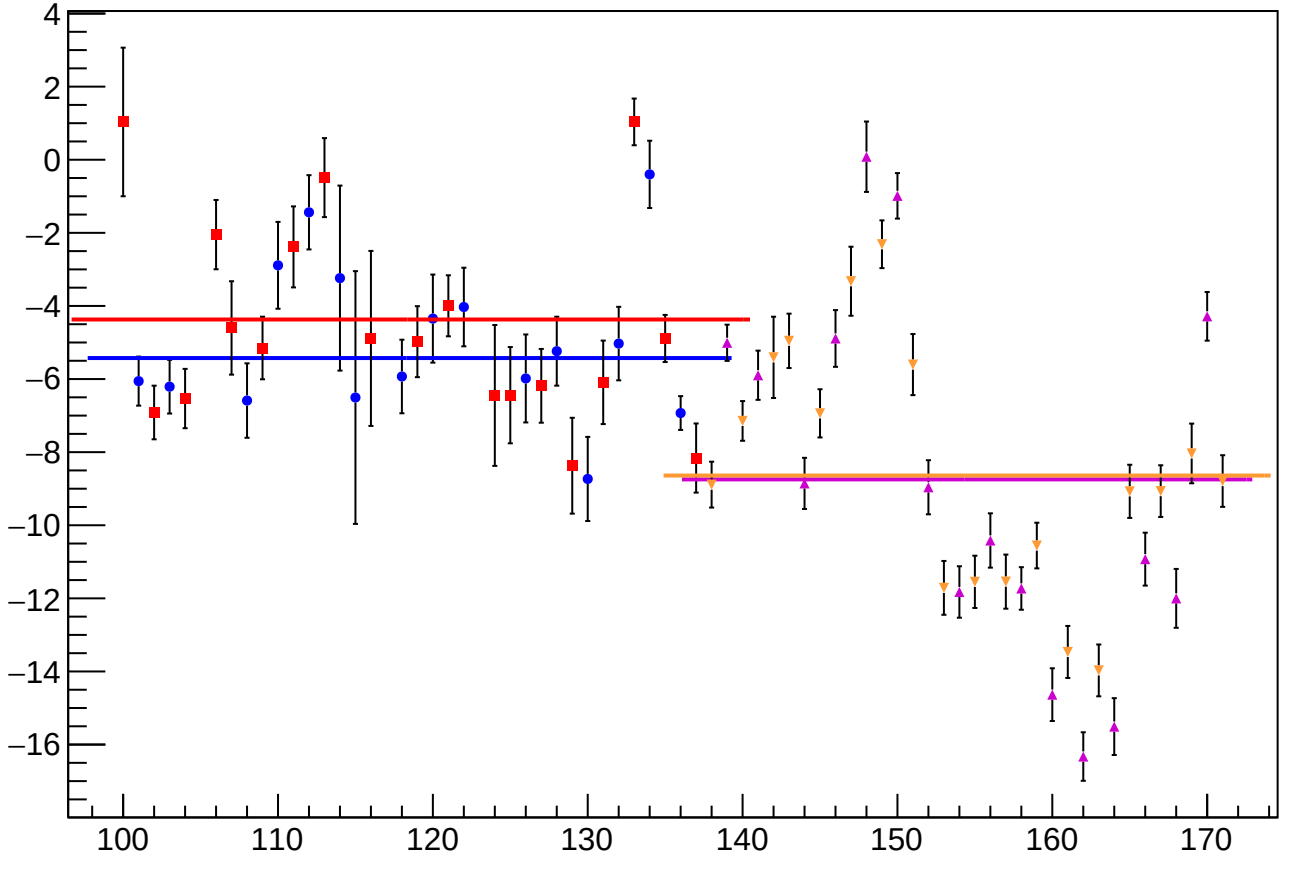
Left In: -56.372+/-0.131 χ^2/NDF:933.2/15

+ sign -57.342+/-0.108 χ^2/NDF: 4415.5/33

All: -57.322+/-0.077 χ^2/NDF: 8944.1/68

- sign -57.301+/-0.111 χ^2/NDF: 4528.5/34

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.640+/-0.168 χ^2/NDF:348.7/17

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

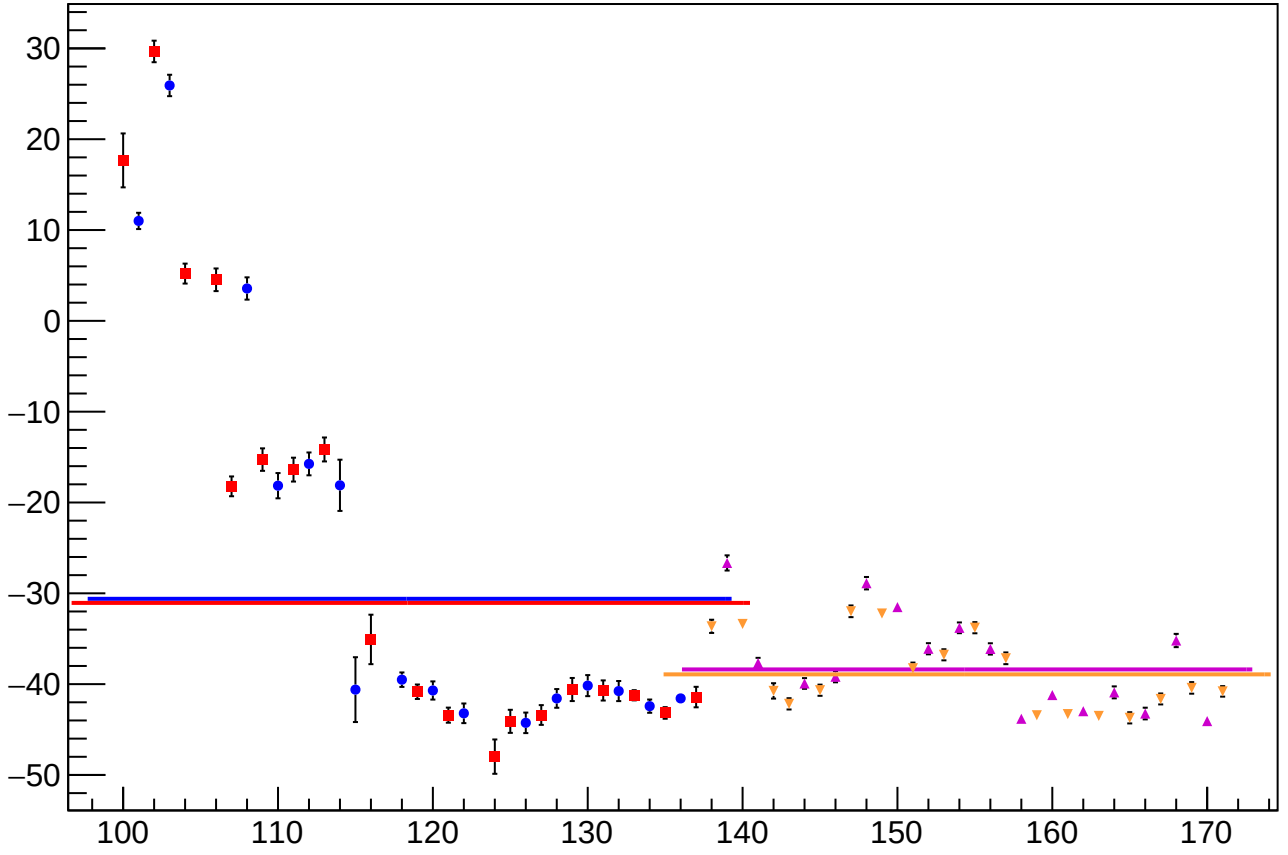
Left In: -8.746+/-0.172 χ^2/NDF:732.4/15

+ sign -7.518+/-0.136 χ^2/NDF: 551.9/33

All: -7.314+/-0.096 χ^2/NDF: 1687.4/68

- sign -7.109+/-0.136 χ^2/NDF: 1131.0/34

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.924+/-0.141 χ^2/NDF:881.4/17

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

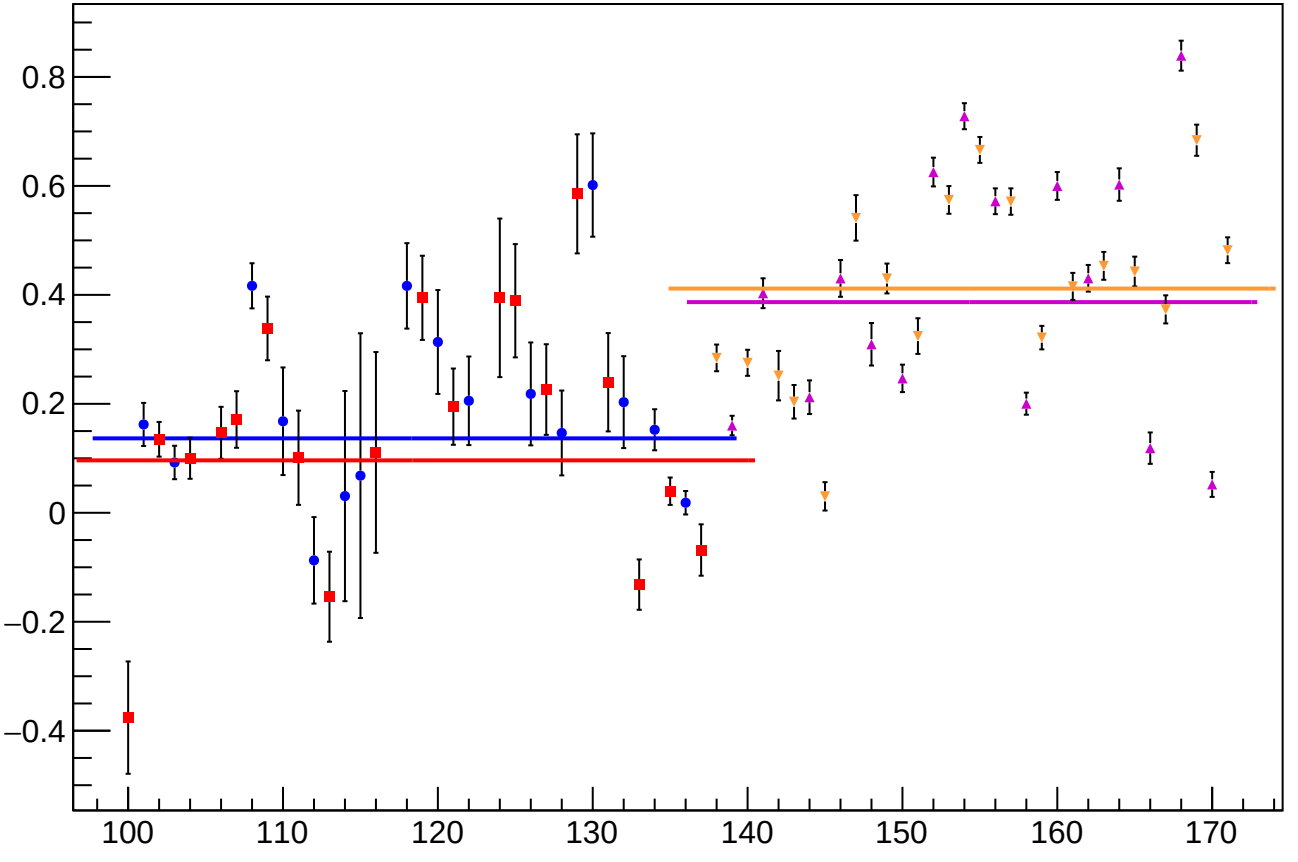
Left In: -38.380+/-0.148 χ^2/NDF:1106.4/15

+ sign -36.901+/-0.123 χ^2/NDF: 8661.5/33

All: -36.622+/-0.088 χ^2/NDF: 17438.2/68

- sign -36.330+/-0.126 χ^2/NDF: 8766.1/34

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.412+/-0.006 χ^2/NDF:671.5/17

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

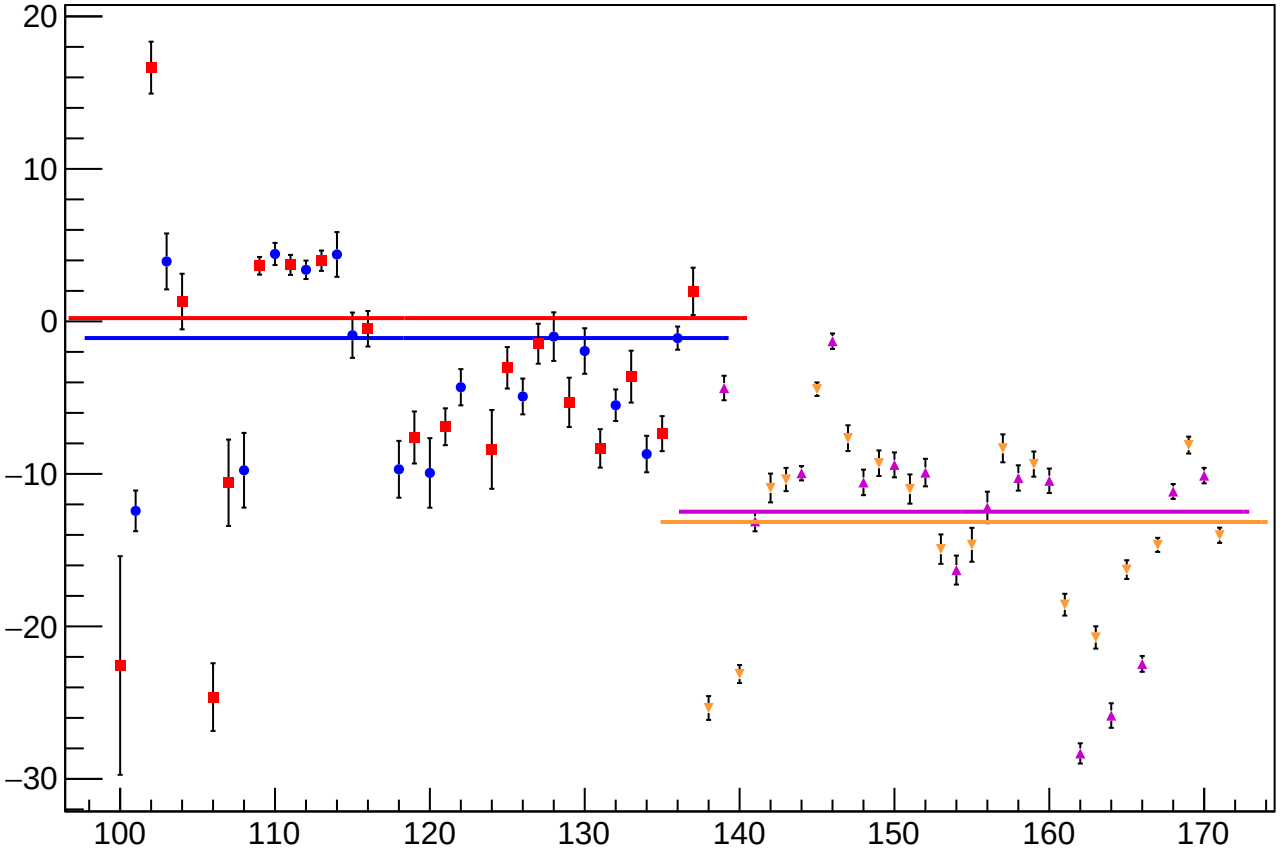
Left In: 0.387+/-0.006 χ^2/NDF:1355.5/15

+ sign 0.356+/-0.006 χ^2/NDF: 1187.2/33

All: 0.341+/-0.004 χ^2/NDF: 3142.9/68

- sign 0.326+/-0.006 χ^2/NDF: 1941.0/34

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.152+/-0.159 χ^2/NDF:1344.2/17

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

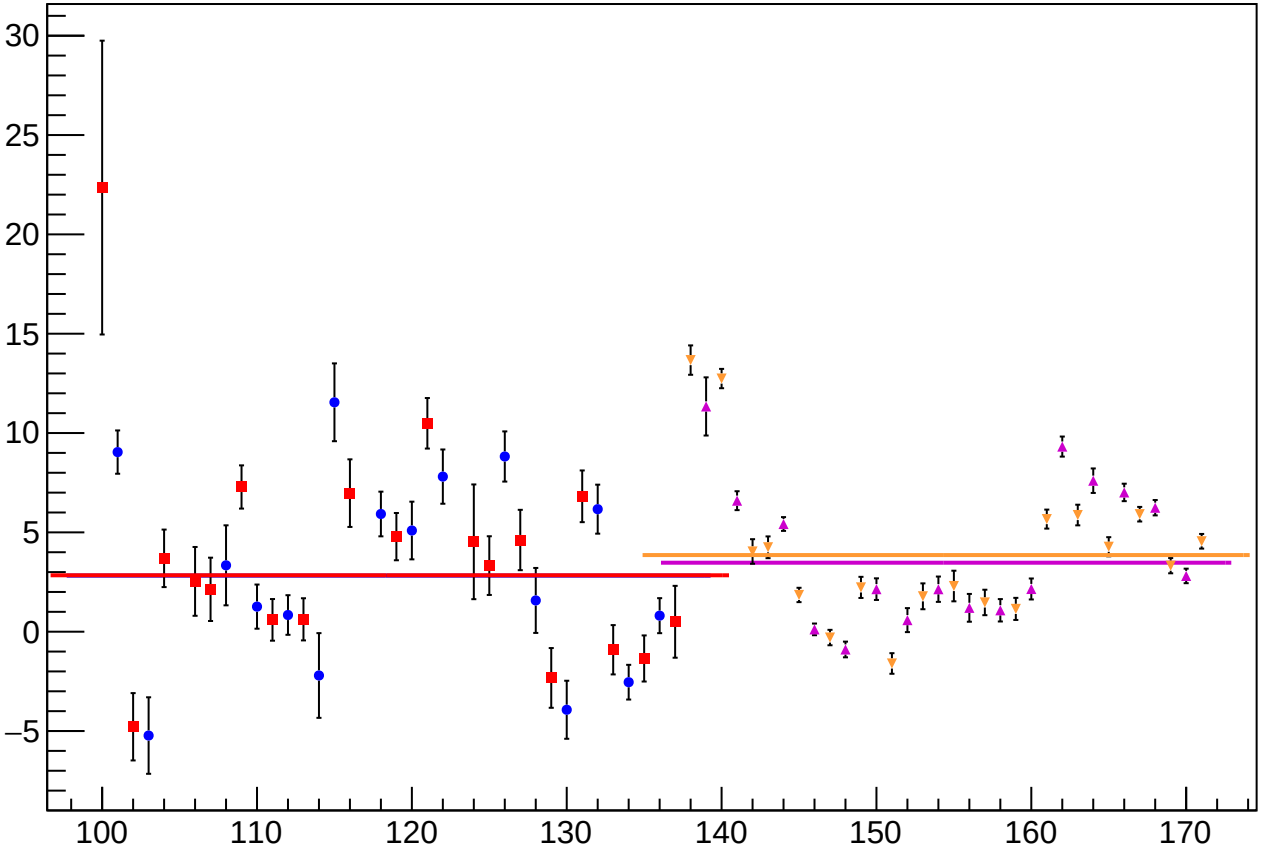
Left In: -12.481+/-0.164 χ^2/NDF:1921.3/15

+ sign -10.207+/-0.139 χ^2/NDF: 3072.5/33

All: -9.598+/-0.098 χ^2/NDF: 7201.3/68

- sign -8.978+/-0.140 χ^2/NDF: 4089.8/34

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.857+/-0.114 χ^2/NDF:894.7/17

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

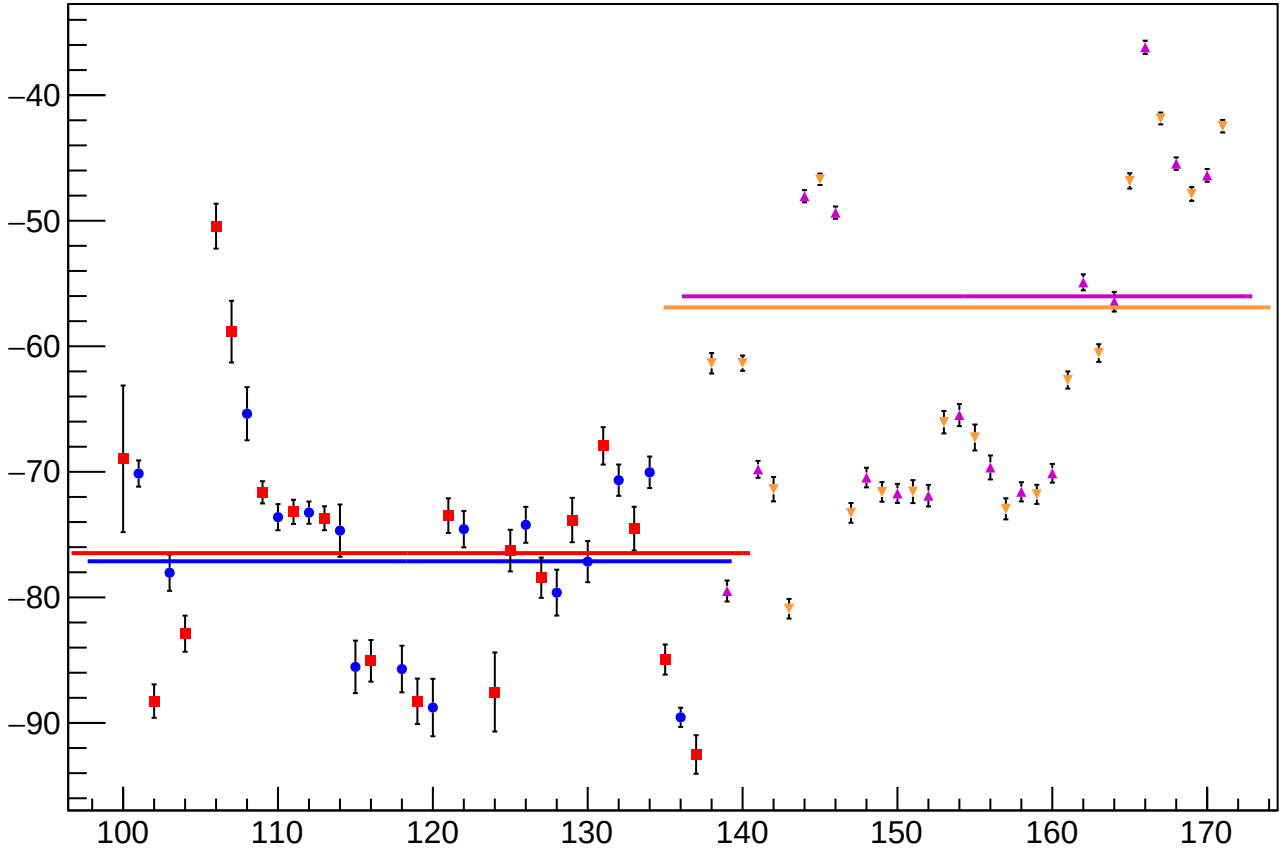
Left In: 3.472+/-0.116 χ^2/NDF:721.8/15

+ sign 3.737+/-0.107 χ^2/NDF: 1103.9/33

All: 3.572+/-0.076 χ^2/NDF: 1978.9/68

- sign 3.400+/-0.109 χ^2/NDF: 870.2/34

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -56.902+/-0.158 χ^2/NDF:6204.6/17

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

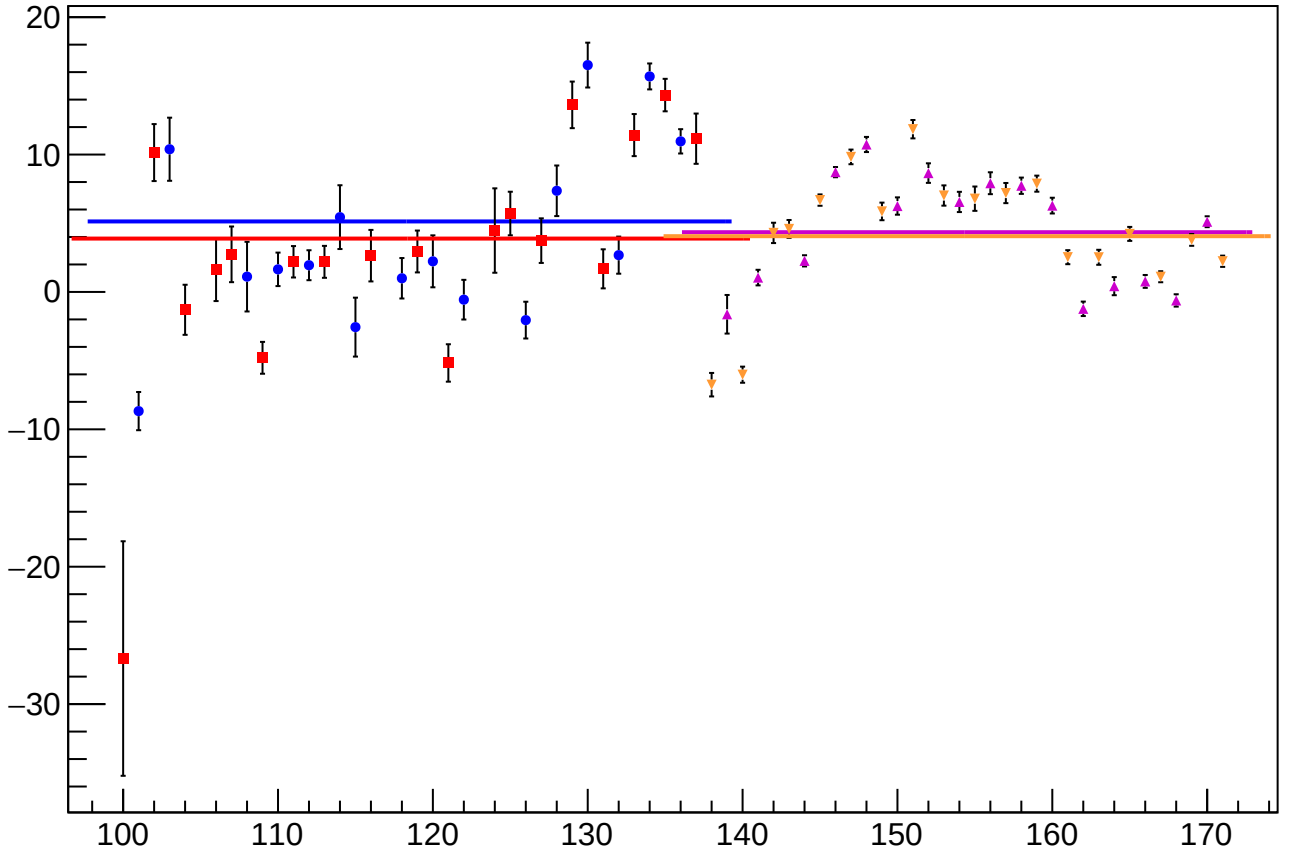
Left In: -56.022+/-0.162 χ^2/NDF:6077.8/15

+ sign -60.750+/-0.142 χ^2/NDF: 9817.8/33

All: -60.386+/-0.102 χ^2/NDF: 19725.7/68

- sign -60.009+/-0.145 χ^2/NDF: 9894.7/34

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.058+/-0.130 χ^2/NDF:935.1/17

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

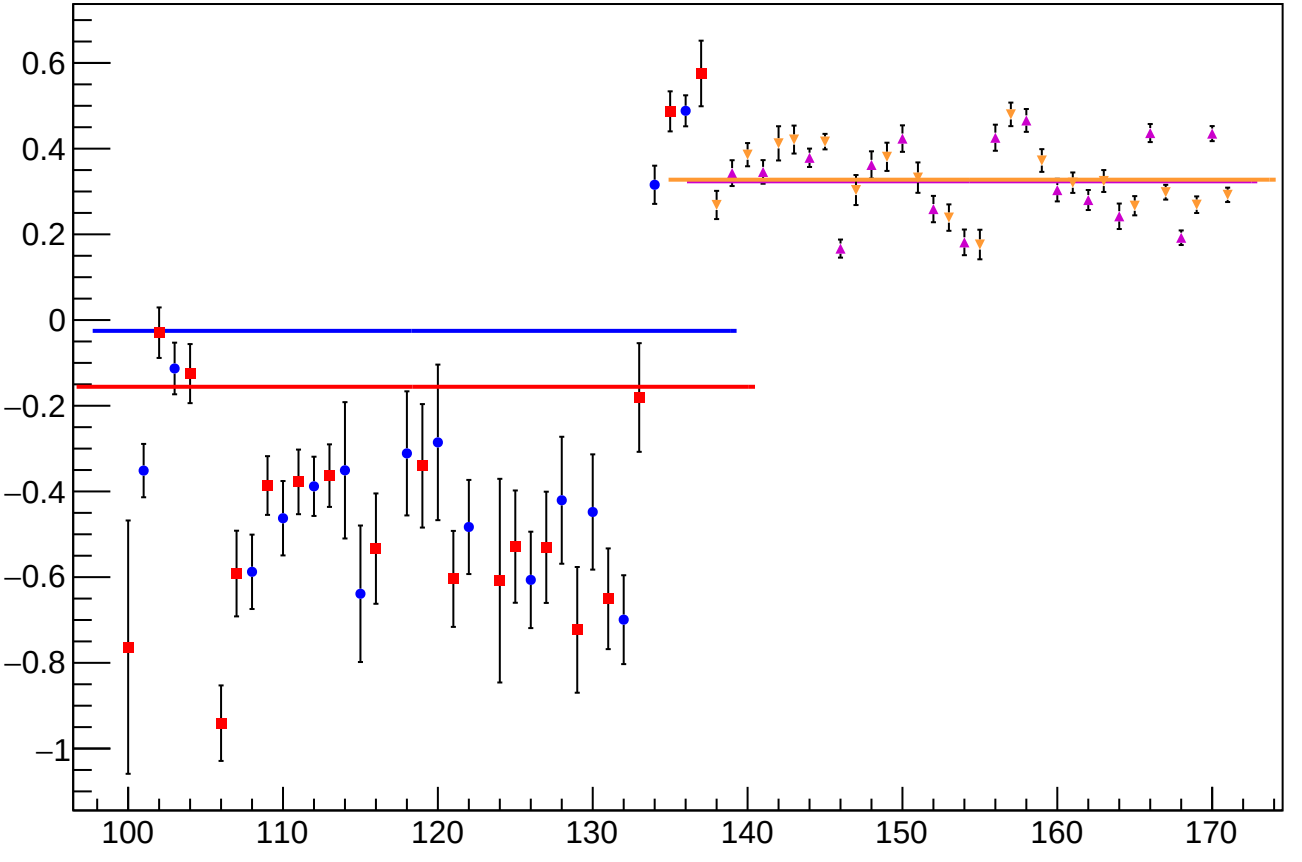
Left In: 4.348+/-0.134 χ^2/NDF:801.4/15

+ sign 4.189+/-0.122 χ^2/NDF: 1355.7/33

All: 4.239+/-0.087 χ^2/NDF: 2450.4/68

- sign 4.292+/-0.126 χ^2/NDF: 1094.3/34

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.328+/-0.006 χ^2/NDF:132.8/17

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

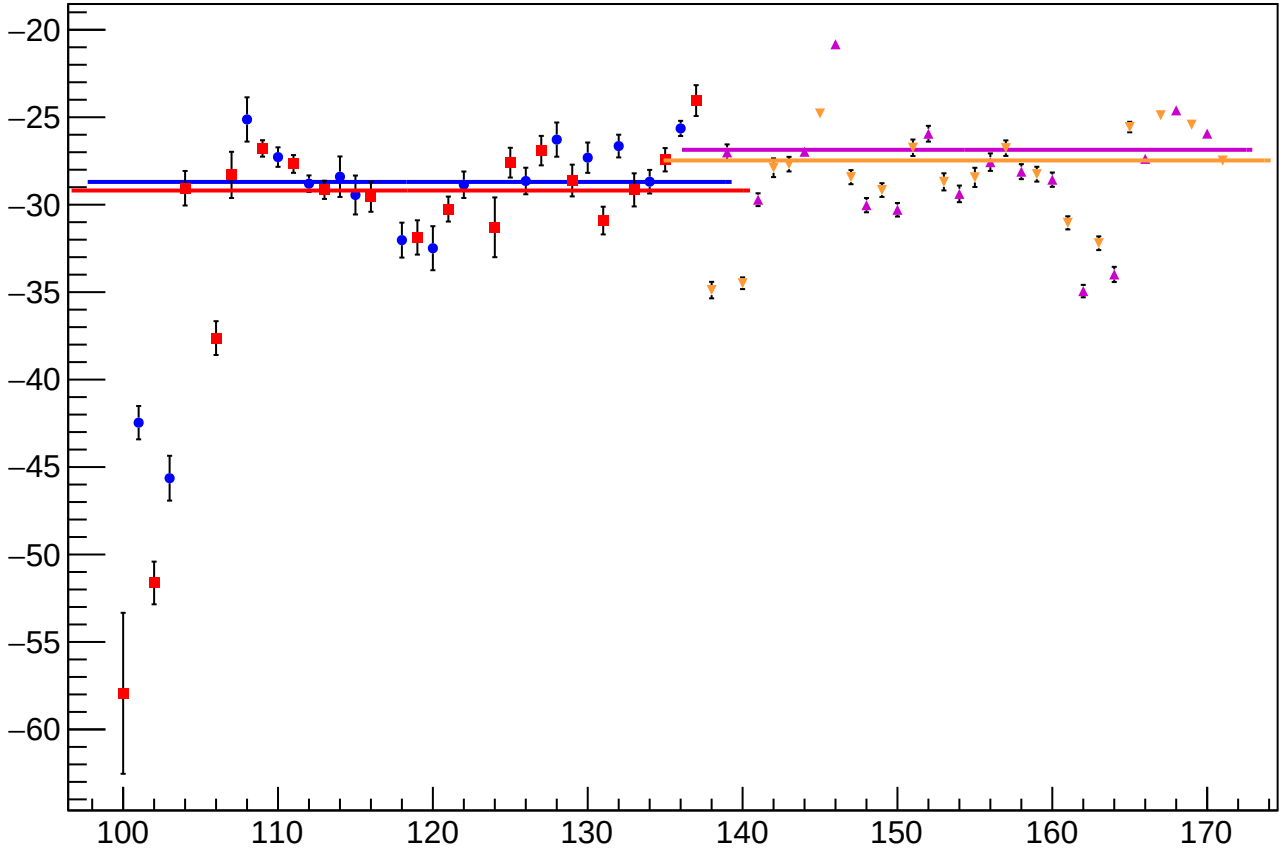
Left In: 0.324+/-0.006 χ^2/NDF:281.4/15

+ sign 0.297+/-0.006 χ^2/NDF: 961.6/33

All: 0.290+/-0.004 χ^2/NDF: 2256.3/68

- sign 0.284+/-0.006 χ^2/NDF: 1292.1/34

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.470+/-0.078 χ^2/NDF:1397.6/17

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

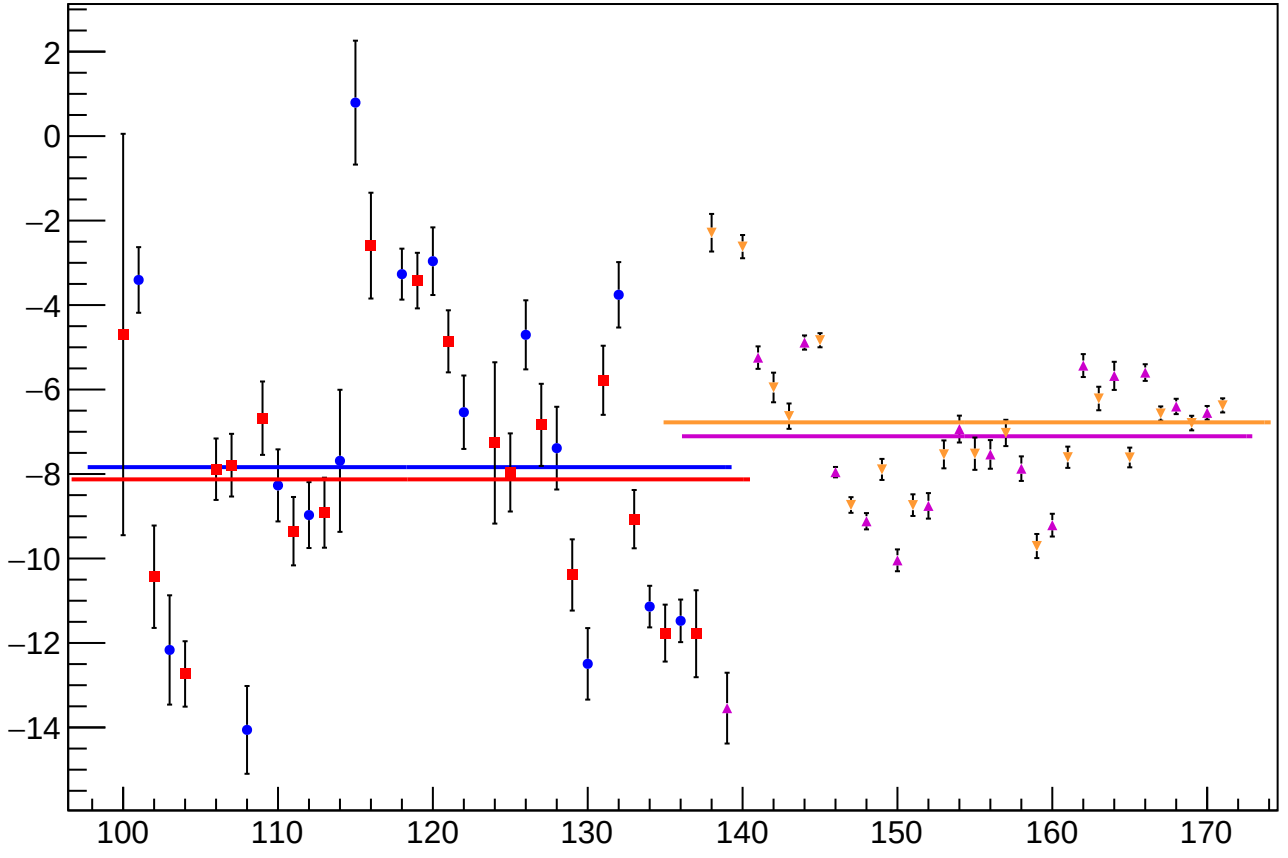
Left In: -26.862+/-0.078 χ^2/NDF:2015.3/15

+ sign -27.654+/-0.072 χ^2/NDF: 1922.0/33

All: -27.442+/-0.051 χ^2/NDF: 4650.9/68

- sign -27.229+/-0.072 χ^2/NDF: 2711.4/34

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.777+/-0.056 χ^2/NDF:811.0/17

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

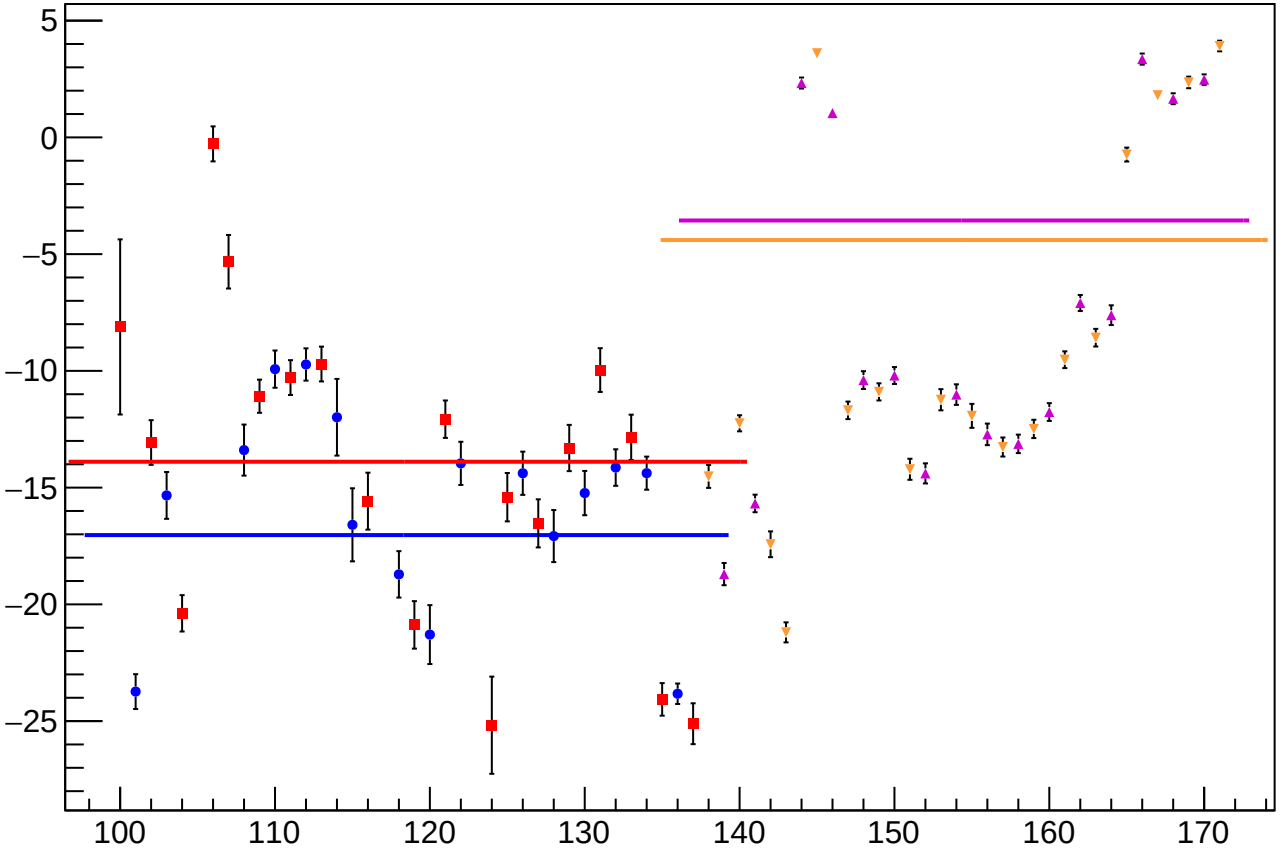
Left In: -7.106+/-0.055 χ^2/NDF:809.2/15

+ sign -6.857+/-0.053 χ^2/NDF: 1221.6/33

All: -7.020+/-0.038 χ^2/NDF: 2271.6/68

- sign -7.180+/-0.053 χ^2/NDF: 1031.5/34

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -4.396+/-0.077 χ^2/NDF:10373.4/17

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

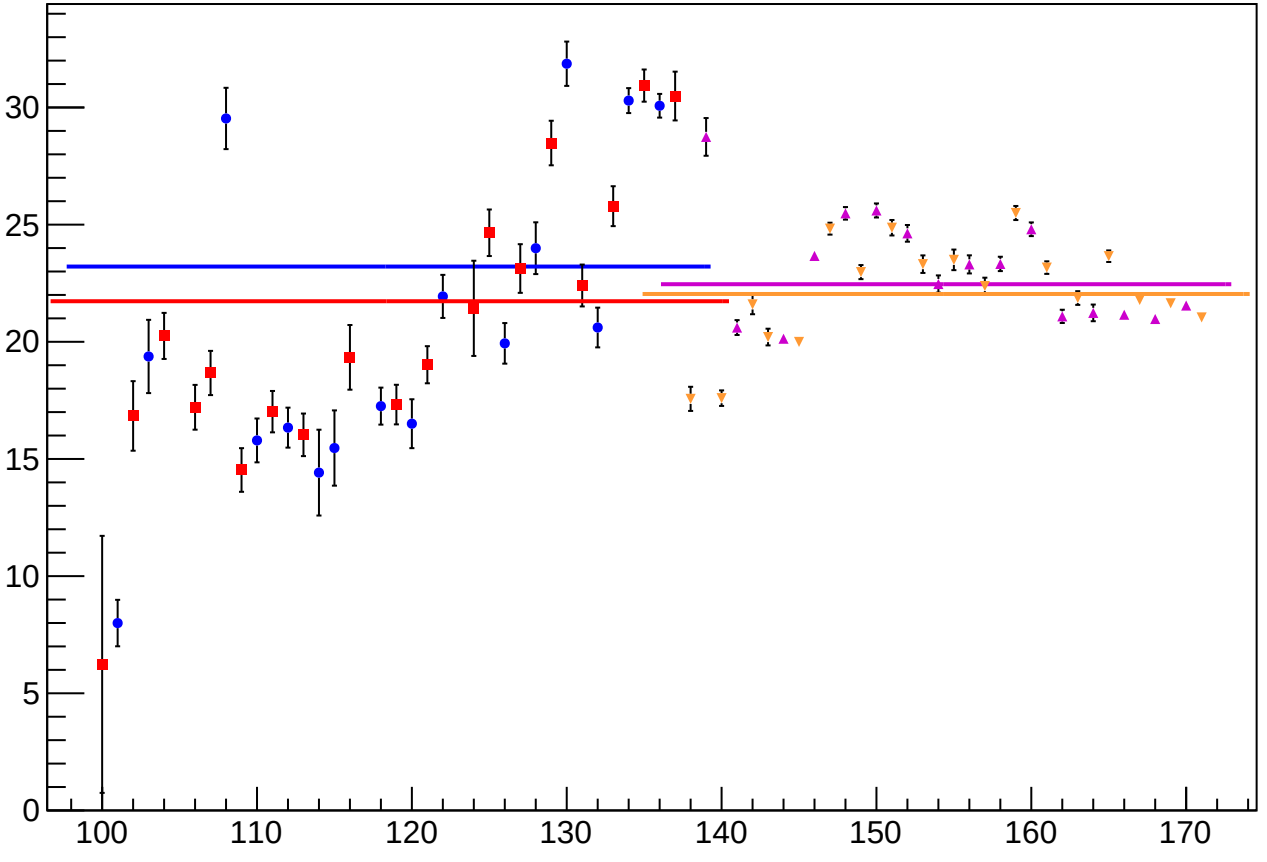
Left In: -3.559+/-0.077 χ^2/NDF:8496.4/15

+ sign -5.909+/-0.072 χ^2/NDF: 14181.2/33

All: -5.352+/-0.051 χ^2/NDF: 25958.3/68

- sign -4.796+/-0.072 χ^2/NDF: 11658.9/34

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.041+/-0.064 χ^2/NDF:852.1/17

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

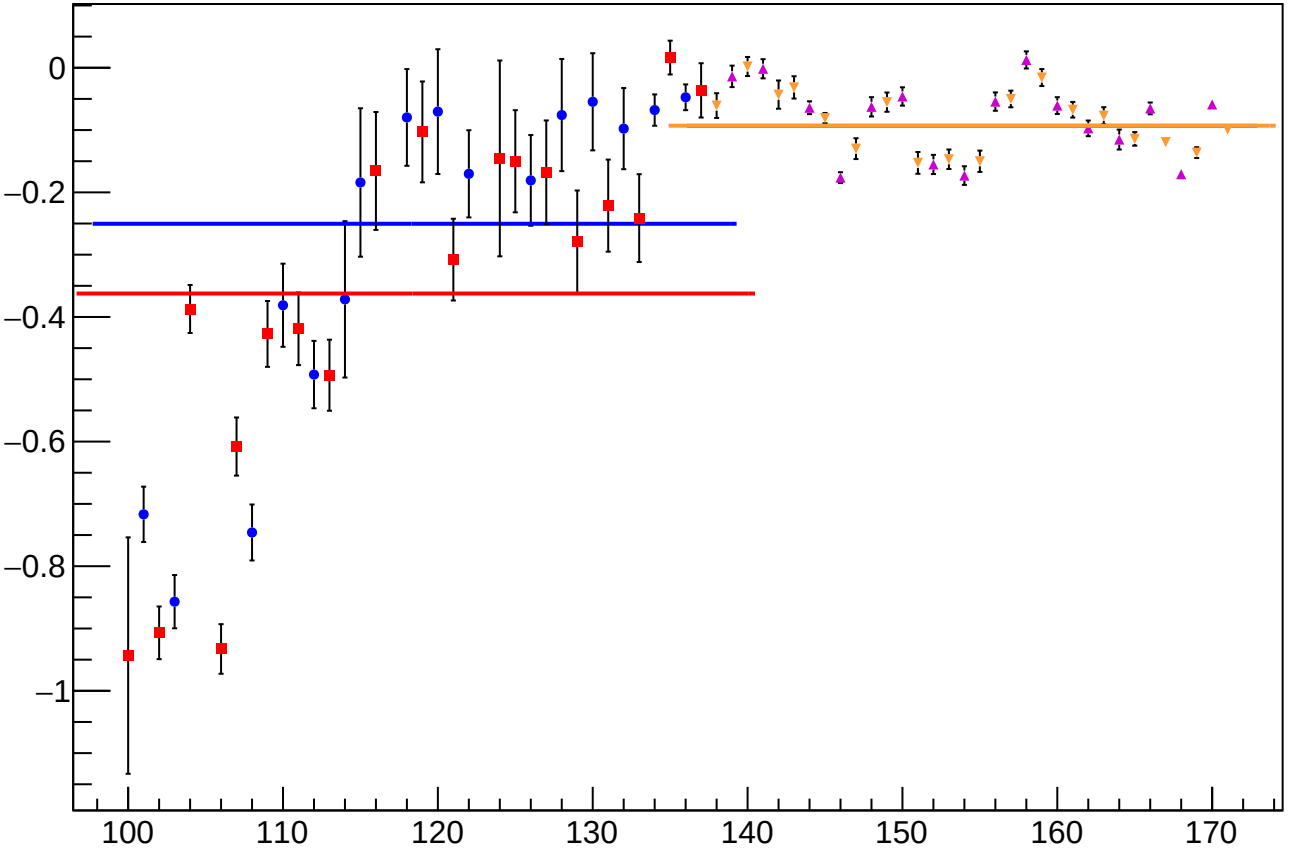
Left In: 22.458+/-0.064 χ^2/NDF:797.4/15

+ sign 22.132+/-0.061 χ^2/NDF: 1886.9/33

All: 22.267+/-0.043 χ^2/NDF: 3262.1/68

- sign 22.404+/-0.061 χ^2/NDF: 1365.3/34

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.093+/-0.003 χ^2/NDF:193.7/17

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

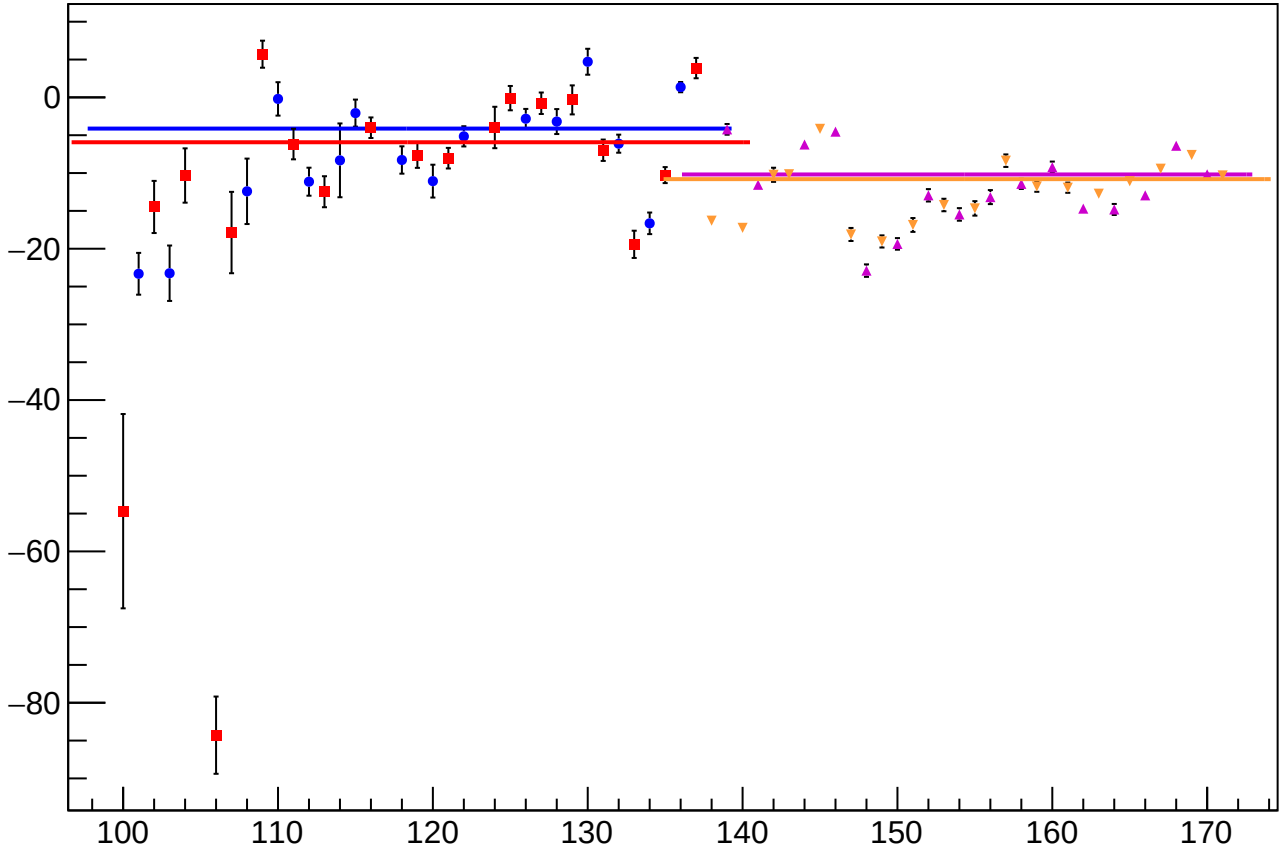
Left In: -0.093+/-0.003 χ^2/NDF:412.9/15

+ sign -0.102+/-0.003 χ^2/NDF: 999.2/33

All: -0.105+/-0.002 χ^2/NDF: 2568.3/68

- sign -0.108+/-0.003 χ^2/NDF: 1567.1/34

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.804+/-0.138 χ^2/NDF:870.5/17

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

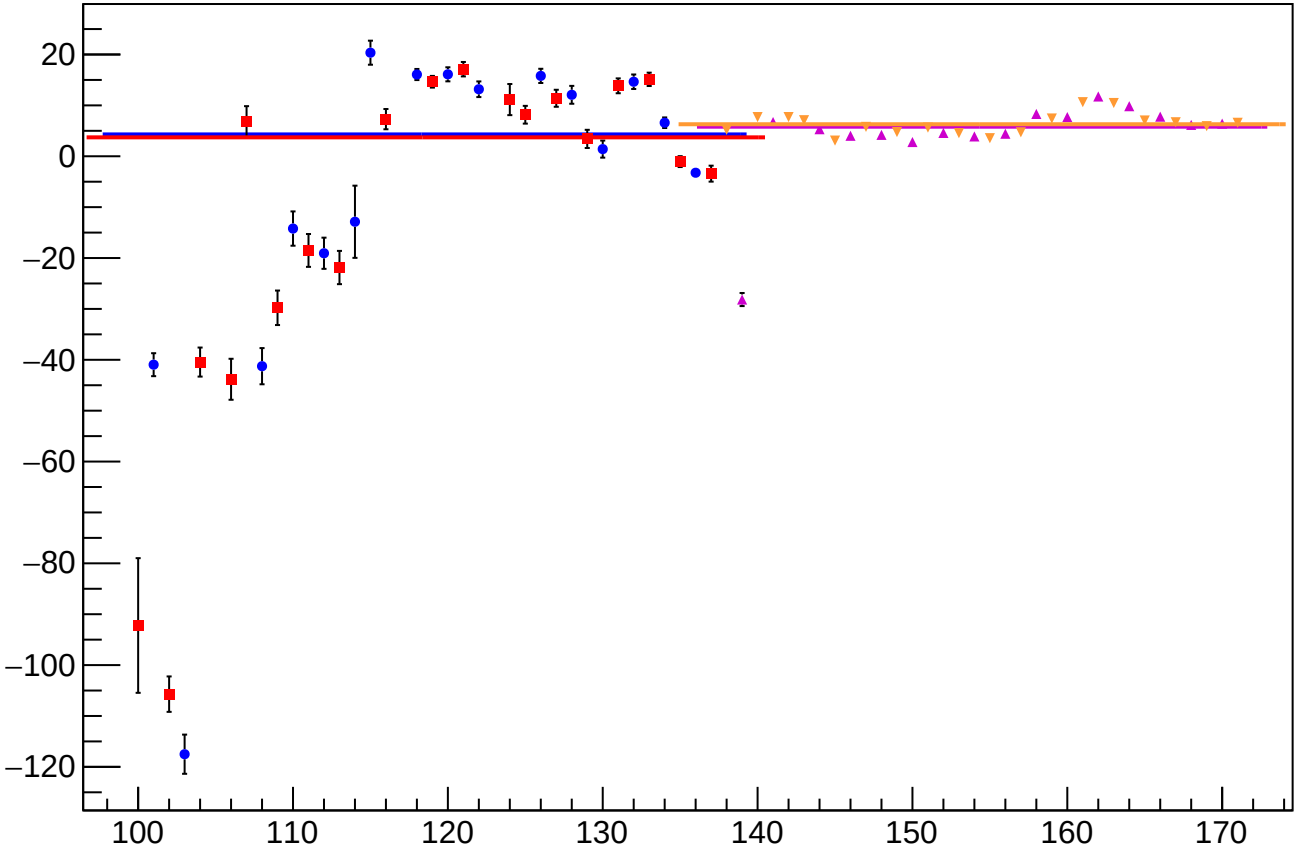
Left In: -10.186+/-0.142 χ^2/NDF:1024.4/15

+ sign -10.029+/-0.130 χ^2/NDF: 1429.2/33

All: -9.881+/-0.093 χ^2/NDF: 3036.0/68

- sign -9.723+/-0.134 χ^2/NDF: 1604.1/34

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.293+/-0.100 χ^2/NDF:369.9/17

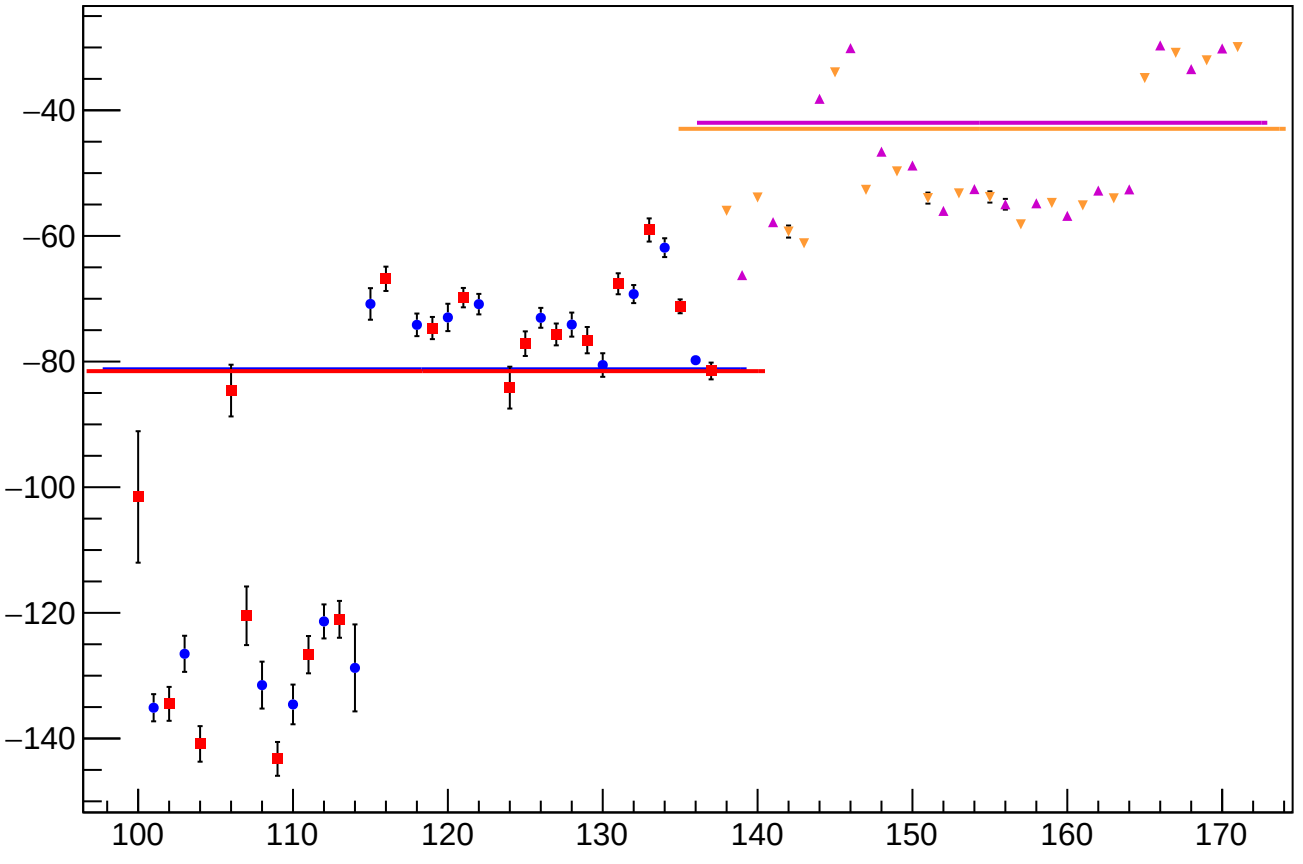
Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.813+/-0.102 χ^2/NDF:1128.5/15

+ sign 6.167+/-0.097 χ^2/NDF: 2564.2/33

All: 5.938+/-0.069 χ^2/NDF: 5734.7/68

- sign 5.699+/-0.099 χ^2/NDF: 3159.0/34



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -42.949+/-0.137 χ^2/NDF:7100.8/17

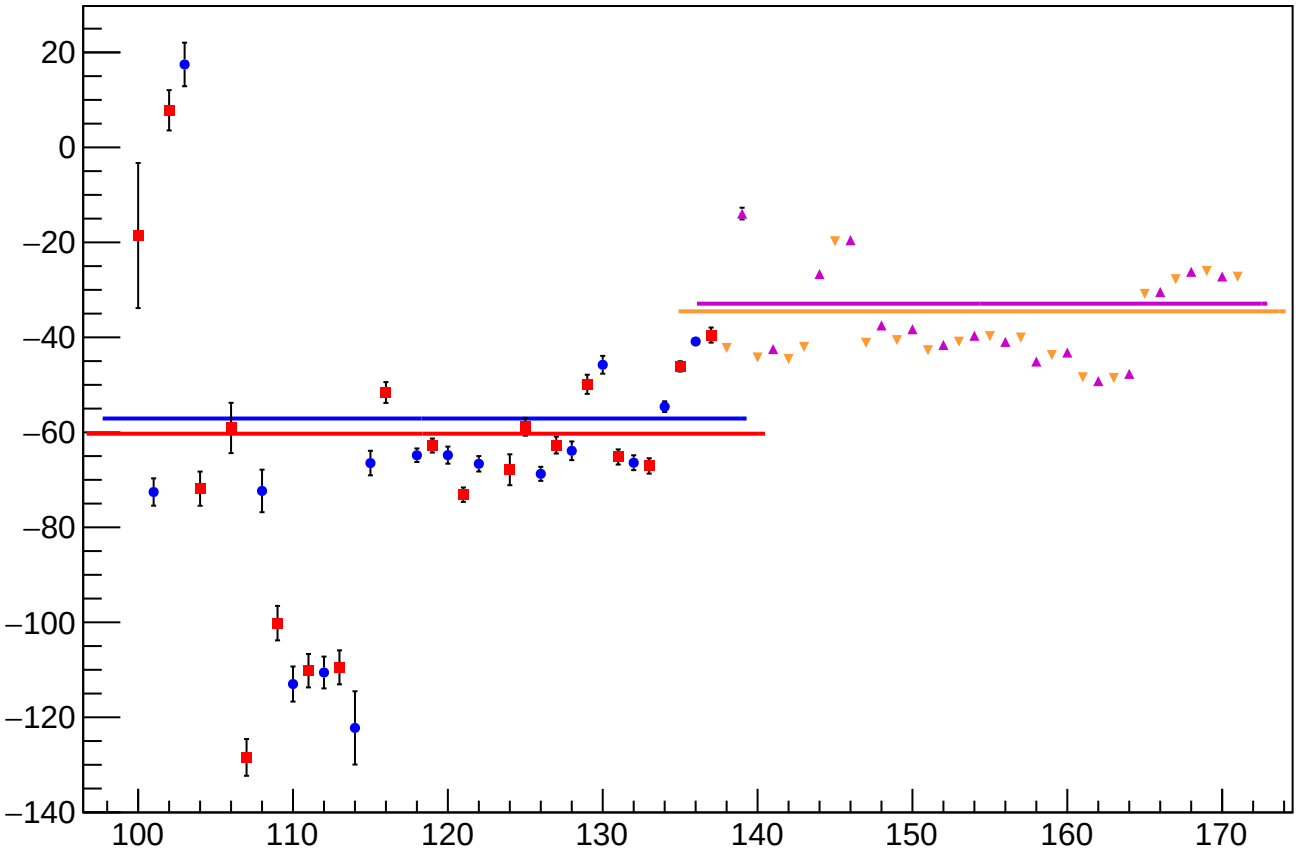
Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.987+/-0.140 χ^2/NDF:7031.8/15

+ sign -46.704+/-0.131 χ^2/NDF: 16679.0/33

All: -46.035+/-0.094 χ^2/NDF: 32773.9/68

- sign -45.329+/-0.134 χ^2/NDF: 16040.9/34



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -34.516+/-0.113 χ^2/NDF:6773.1/17

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

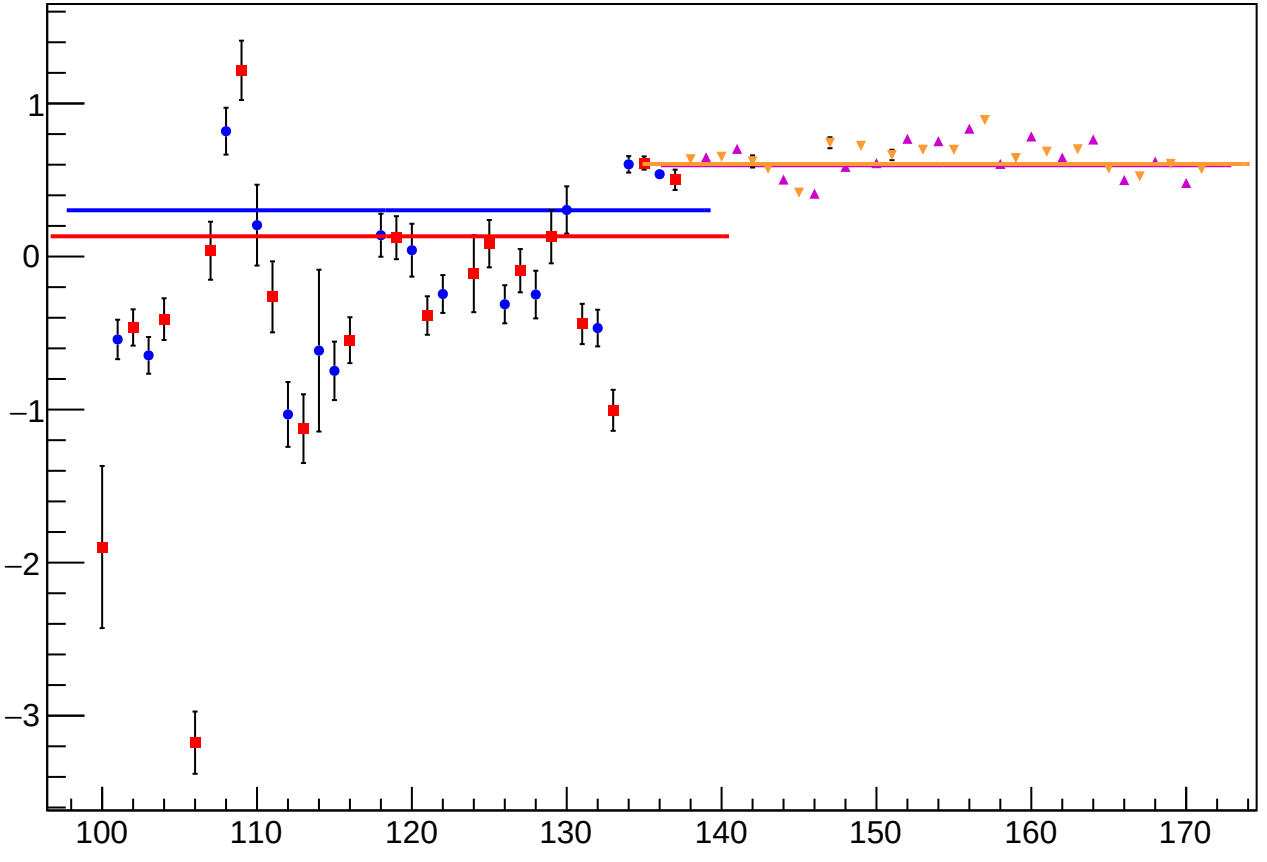
Left In: -32.902+/-0.117 χ^2/NDF:6742.9/15

+ sign -36.014+/-0.110 χ^2/NDF: 10924.6/33

All: -35.276+/-0.079 χ^2/NDF: 22546.7/68

- sign -34.490+/-0.113 χ^2/NDF: 11528.5/34

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.604+/-0.005 χ^2/NDF:422.4/17

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

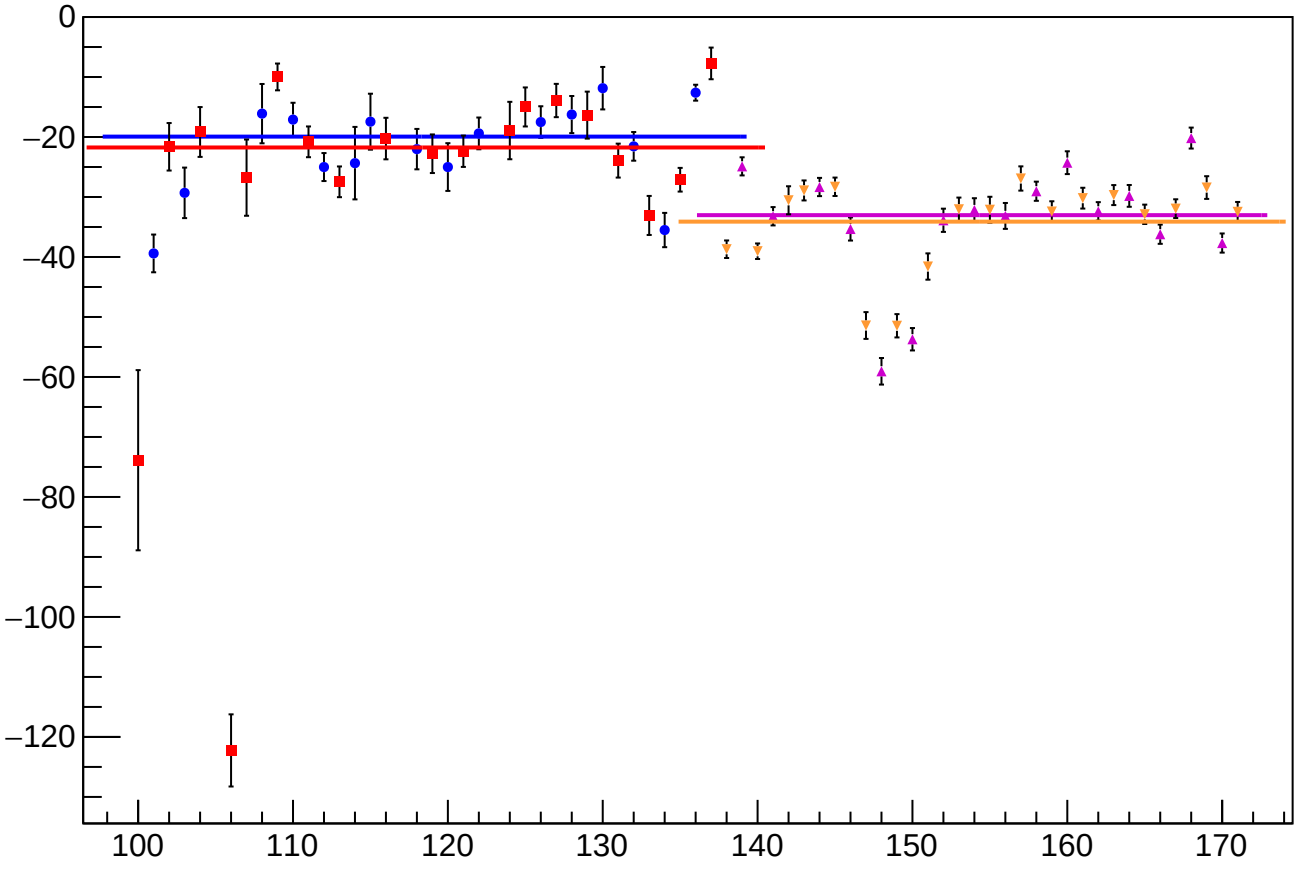
Left In: 0.596+/-0.005 χ^2/NDF:517.3/15

+ sign 0.590+/-0.005 χ^2/NDF: 962.6/33

All: 0.585+/-0.004 χ^2/NDF: 2450.0/68

- sign 0.579+/-0.005 χ^2/NDF: 1484.7/34

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.107+/-0.412 χ^2/NDF:242.6/17

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

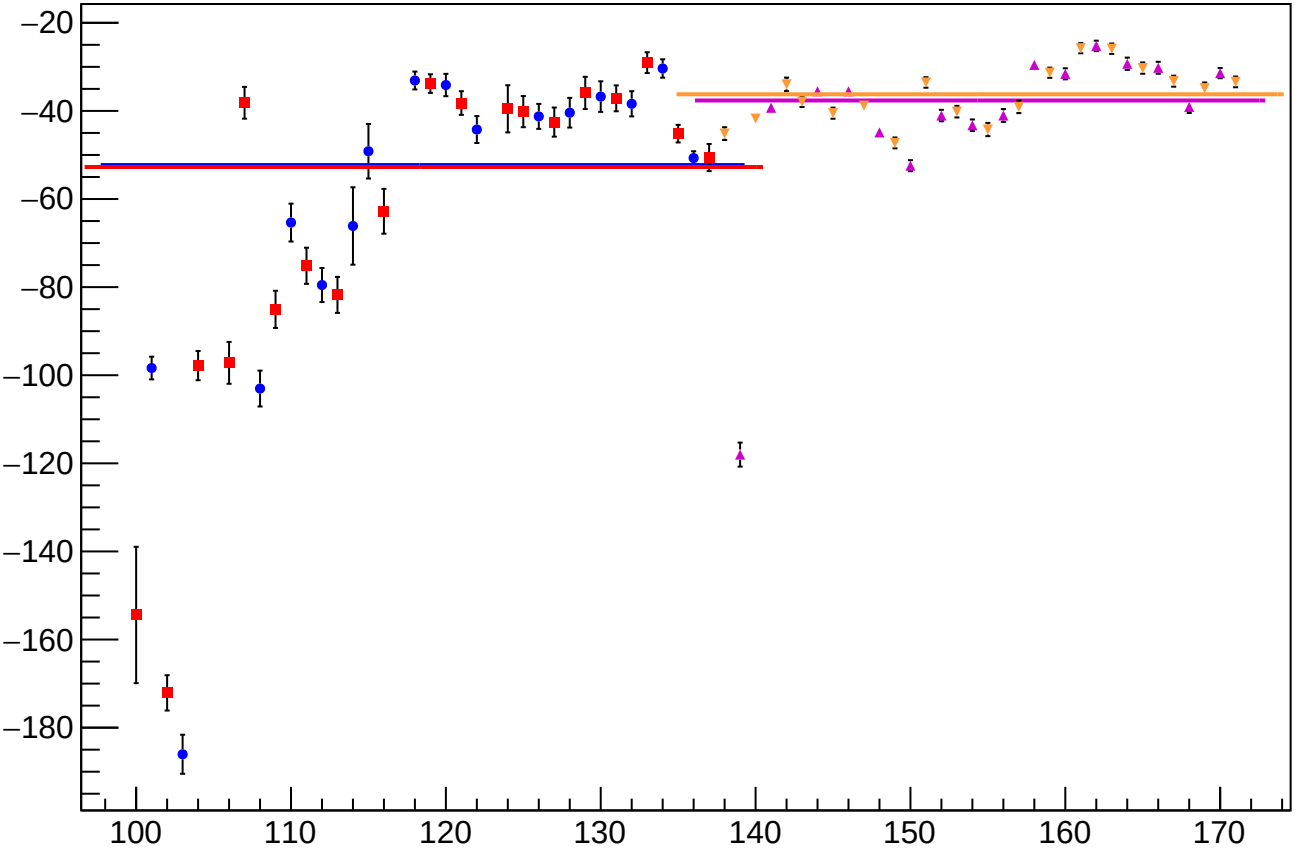
Left In: -33.026+/-0.434 χ^2/NDF:398.6/15

+ sign -30.425+/-0.354 χ^2/NDF: 671.2/33

All: -30.213+/-0.256 χ^2/NDF: 1641.3/68

- sign -29.980+/-0.371 χ^2/NDF: 969.4/34

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.224+/-0.294 χ^2/NDF:421.0/17

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

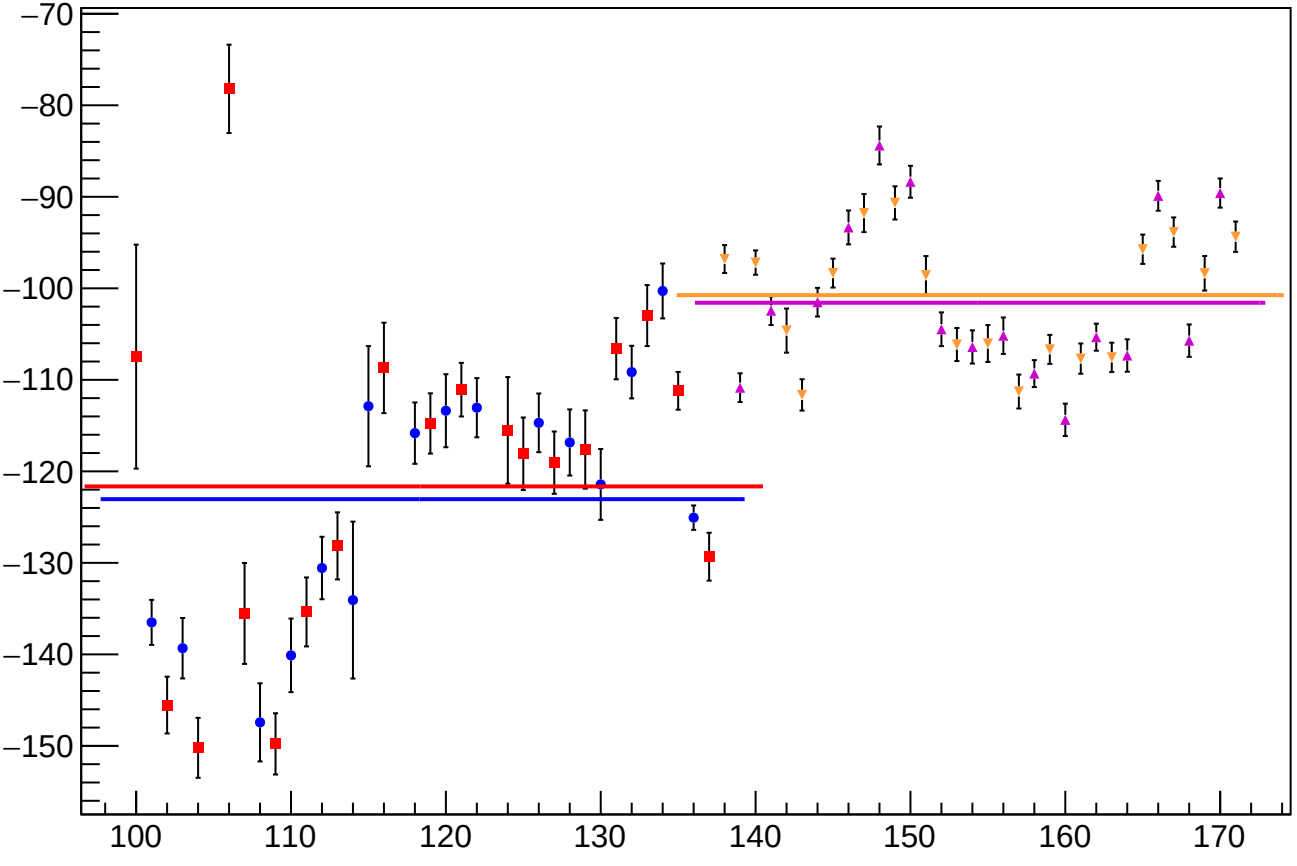
Left In: -37.631+/-0.313 χ^2/NDF:1379.9/15

+ sign -38.584+/-0.271 χ^2/NDF: 2638.7/33

All: -39.192+/-0.198 χ^2/NDF: 6038.8/68

- sign -39.881+/-0.289 χ^2/NDF: 3389.4/34

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.747+/-0.405 χ^2/NDF:252.0/17

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

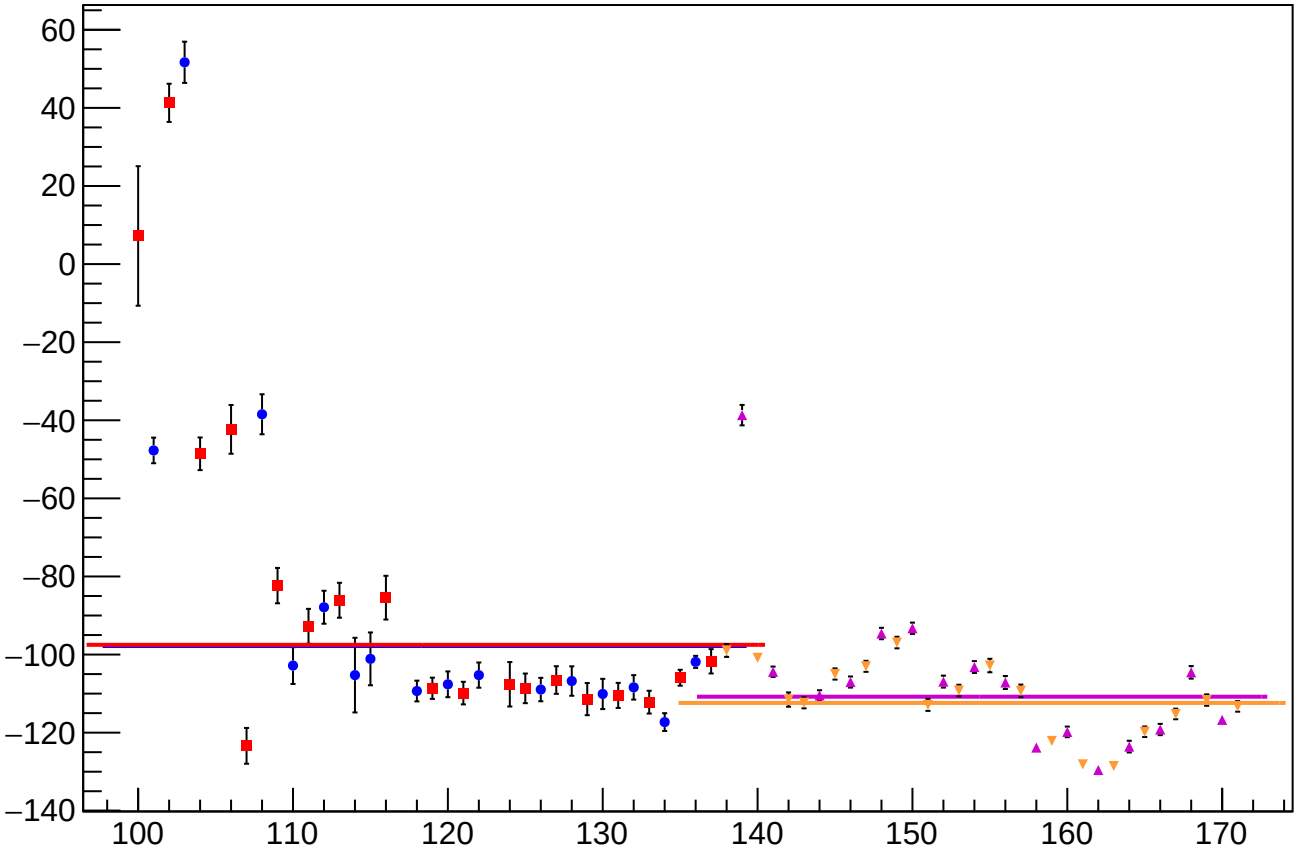
Left In: -101.576+/-0.424 χ^2/NDF:404.5/15

+ sign -105.785+/-0.357 χ^2/NDF: 1162.7/33

All: -105.869+/-0.258 χ^2/NDF: 2482.1/68

- sign -105.962+/-0.375 χ^2/NDF: 1319.4/34

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.388+/-0.336 χ^2/NDF:792.2/17

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

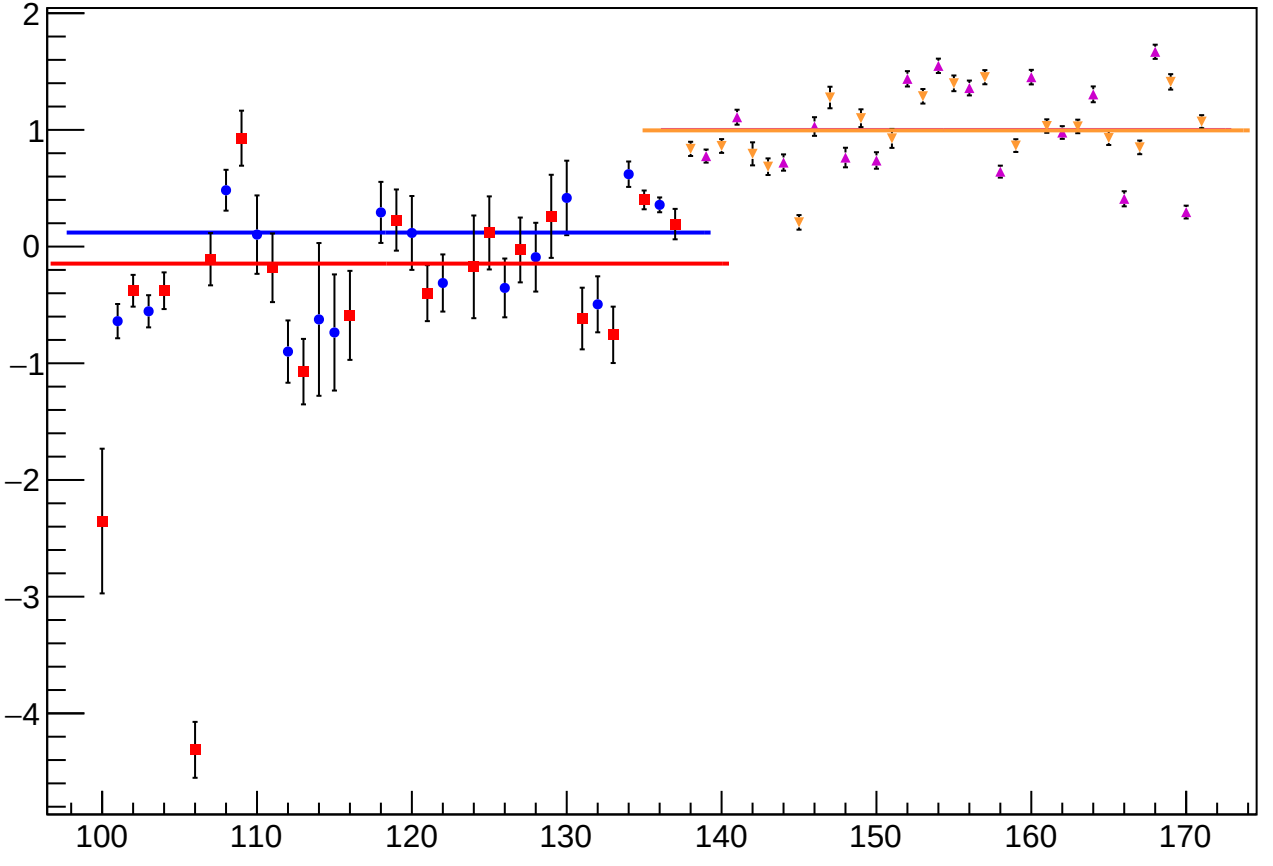
Left In: -110.793+/-0.356 χ^2/NDF:1648.2/15

+ sign -110.166+/-0.310 χ^2/NDF: 2409.3/33

All: -109.512+/-0.225 χ^2/NDF: 5514.4/68

- sign -108.778+/-0.328 χ^2/NDF: 3095.6/34

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.996+/-0.015 χ^2/NDF:374.9/17

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

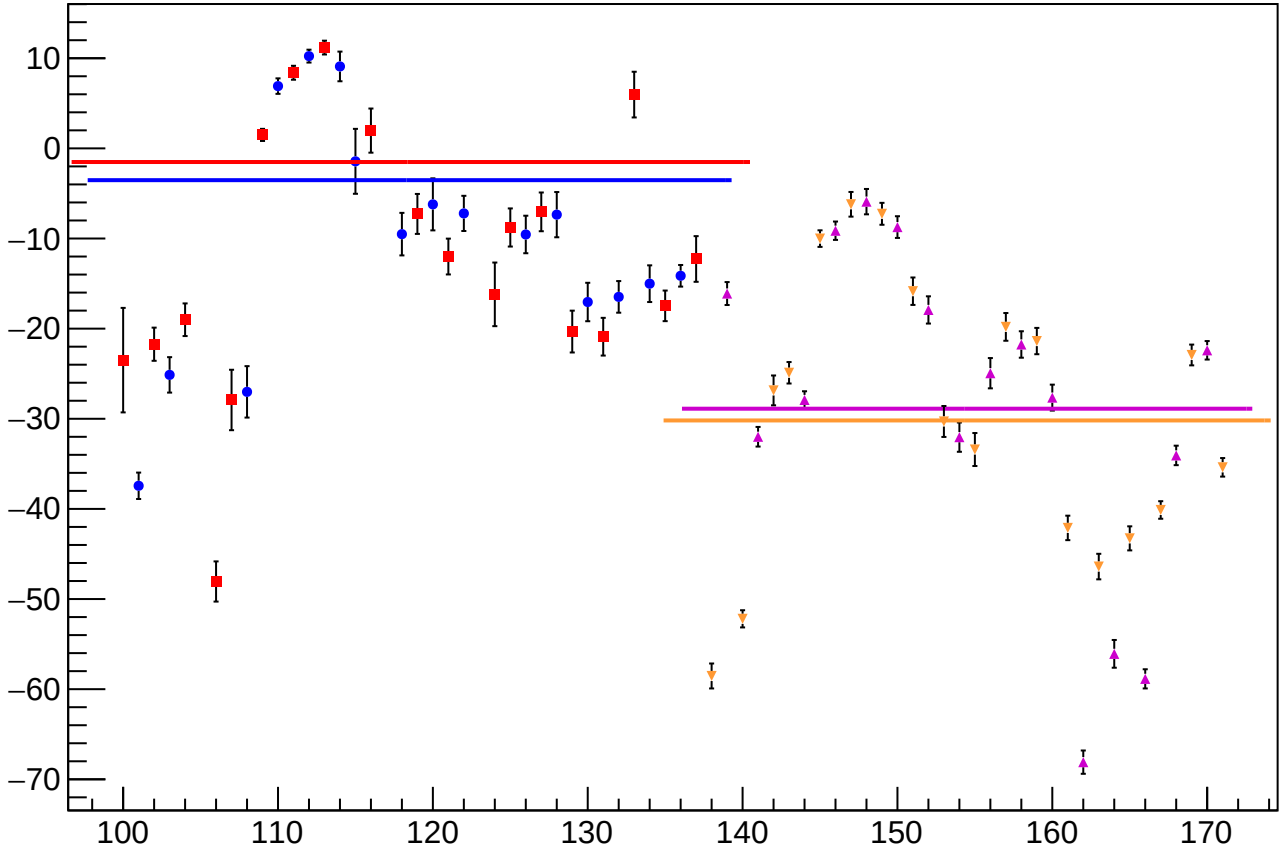
Left In: 0.999+/-0.016 χ^2/NDF:700.7/15

+ sign 0.891+/-0.014 χ^2/NDF: 896.3/33

All: 0.883+/-0.010 χ^2/NDF: 2598.4/68

- sign 0.874+/-0.015 χ^2/NDF: 1701.4/34

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -30.186+/-0.296 χ^2/NDF:2766.6/17

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

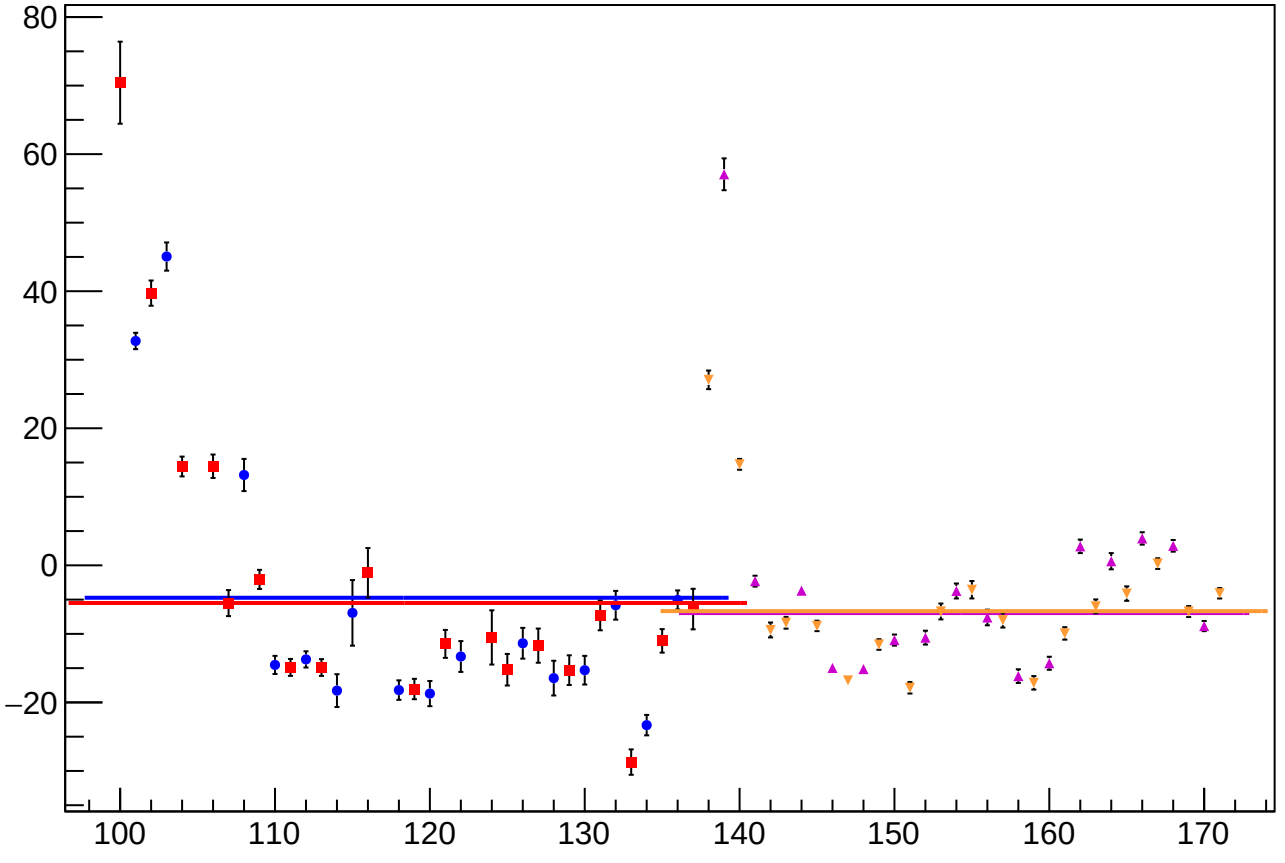
Left In: -28.882+/-0.308 χ^2/NDF:3208.0/15

+ sign -20.003+/-0.233 χ^2/NDF: 7389.9/33

All: -18.200+/-0.163 χ^2/NDF: 15814.3/68

- sign -16.472+/-0.228 χ^2/NDF: 8306.9/34

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.682+/-0.209 χ^2/NDF:2072.3/17

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

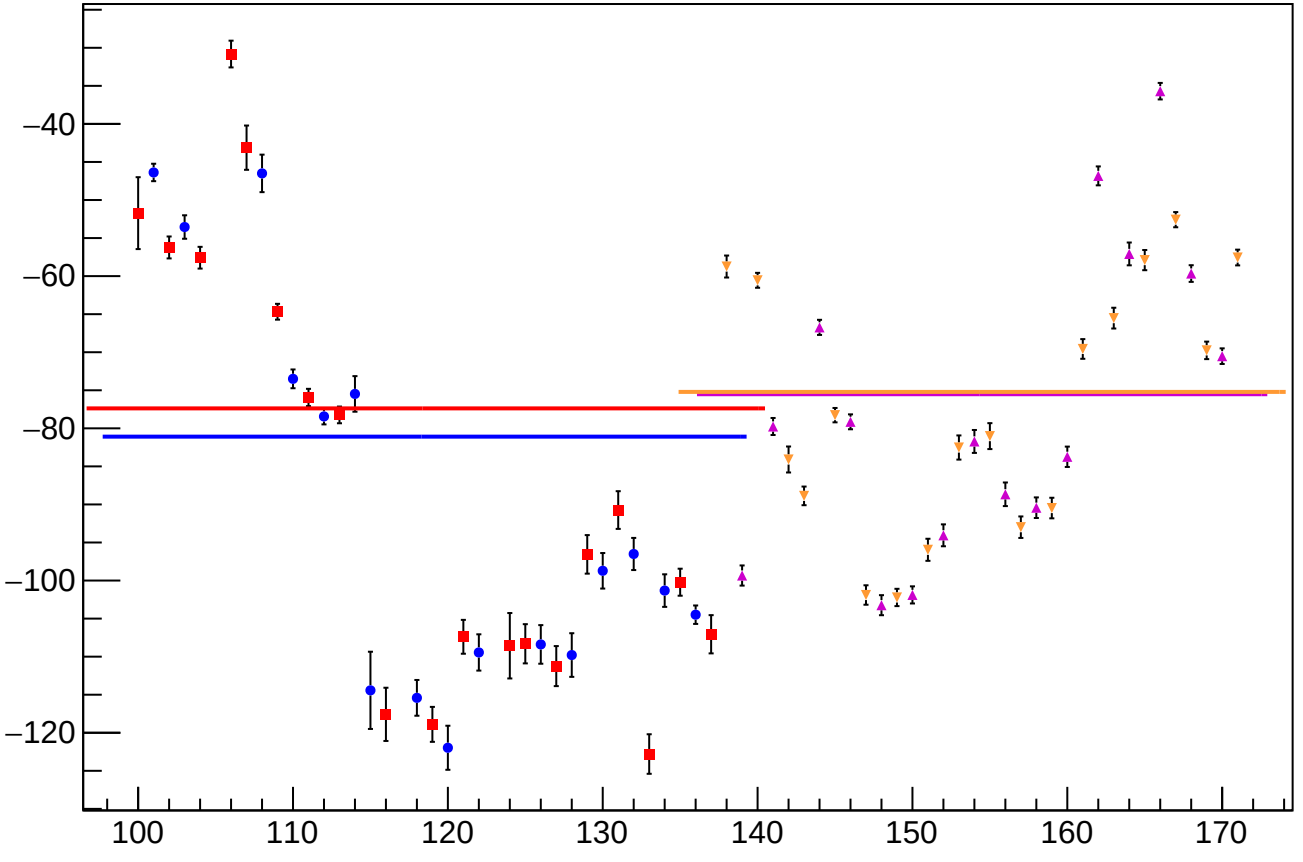
Left In: -6.963+/-0.218 χ^2/NDF:1744.6/15

+ sign -6.310+/-0.188 χ^2/NDF: 4236.9/33

All: -6.476+/-0.135 χ^2/NDF: 7501.3/68

- sign -6.652+/-0.194 χ^2/NDF: 3262.8/34

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -75.213+/-0.292 χ^2/NDF:3108.6/17

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

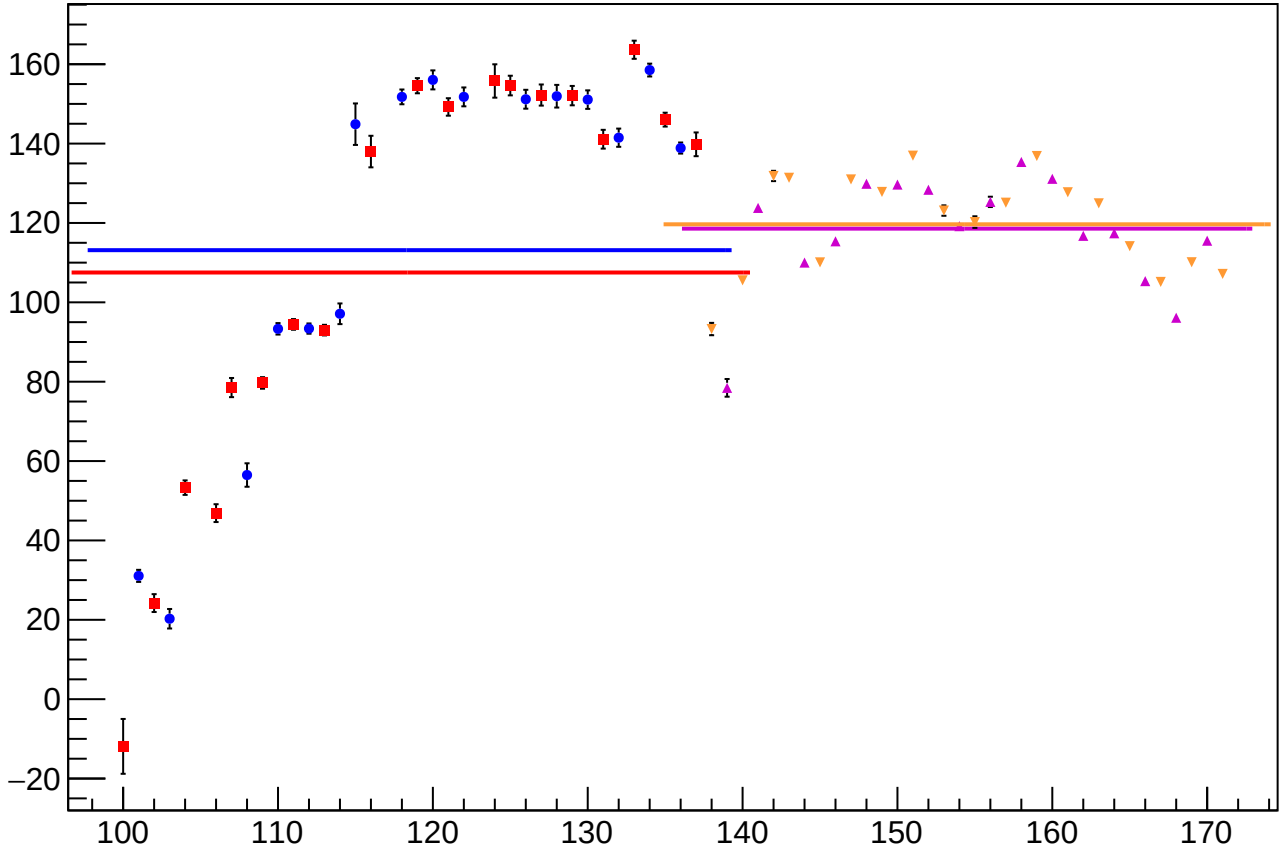
Left In: -75.517+/-0.302 χ^2/NDF:4100.8/15

+ sign -77.022+/-0.243 χ^2/NDF: 6103.4/33

All: -76.593+/-0.172 χ^2/NDF: 13353.2/68

- sign -76.158+/-0.245 χ^2/NDF: 7243.5/34

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 119.662+/-0.241 χ^2/NDF:2404.0/17

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

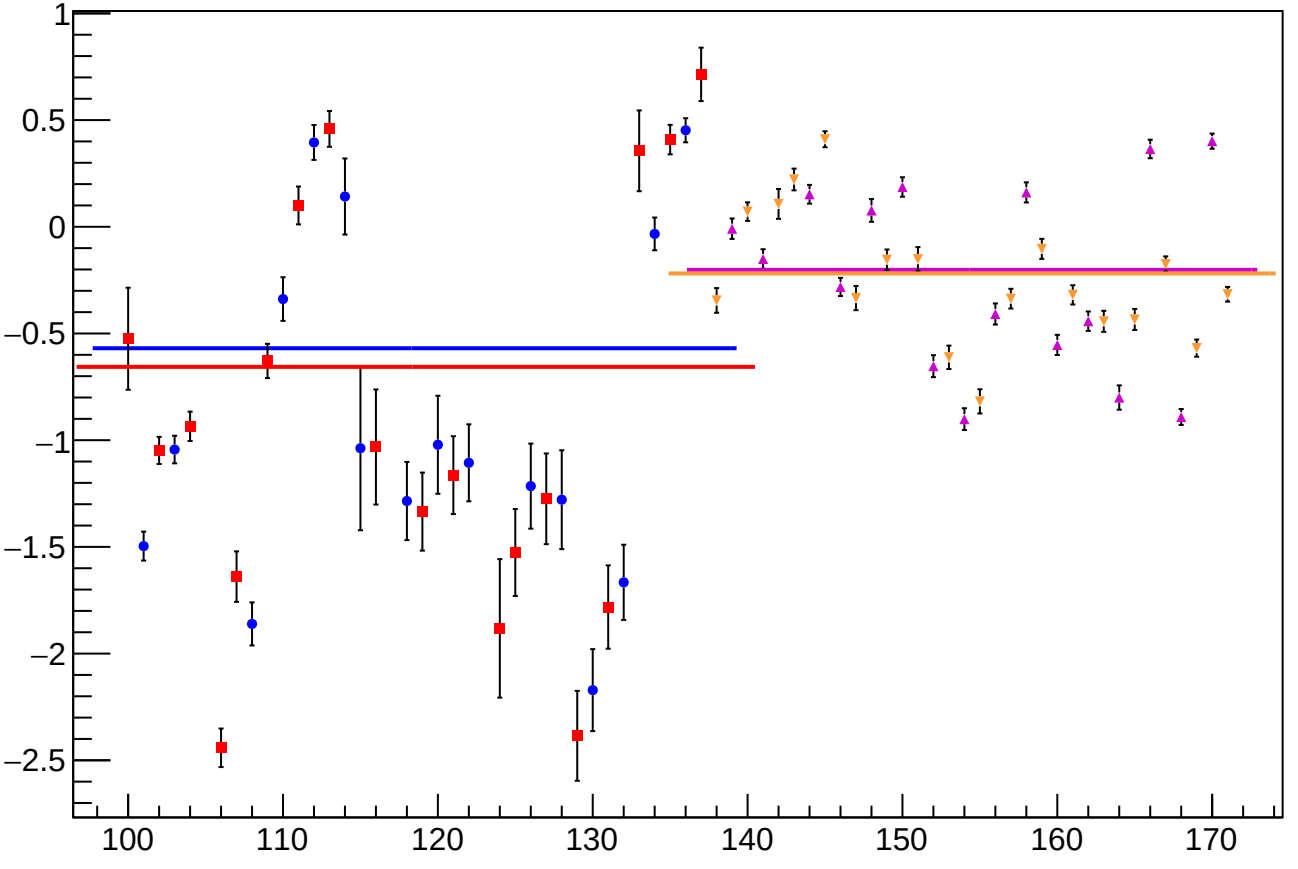
Left In: 118.570+/-0.252 χ^2/NDF:1983.8/15

\+ sign 118.386+/-0.216 χ^2/NDF: 10751.0/33

All: 117.315+/-0.155 χ^2/NDF: 20746.1/68

\- sign 116.179+/-0.223 χ^2/NDF: 9944.6/34

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.219+/-0.011 χ^2/NDF:741.5/17

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

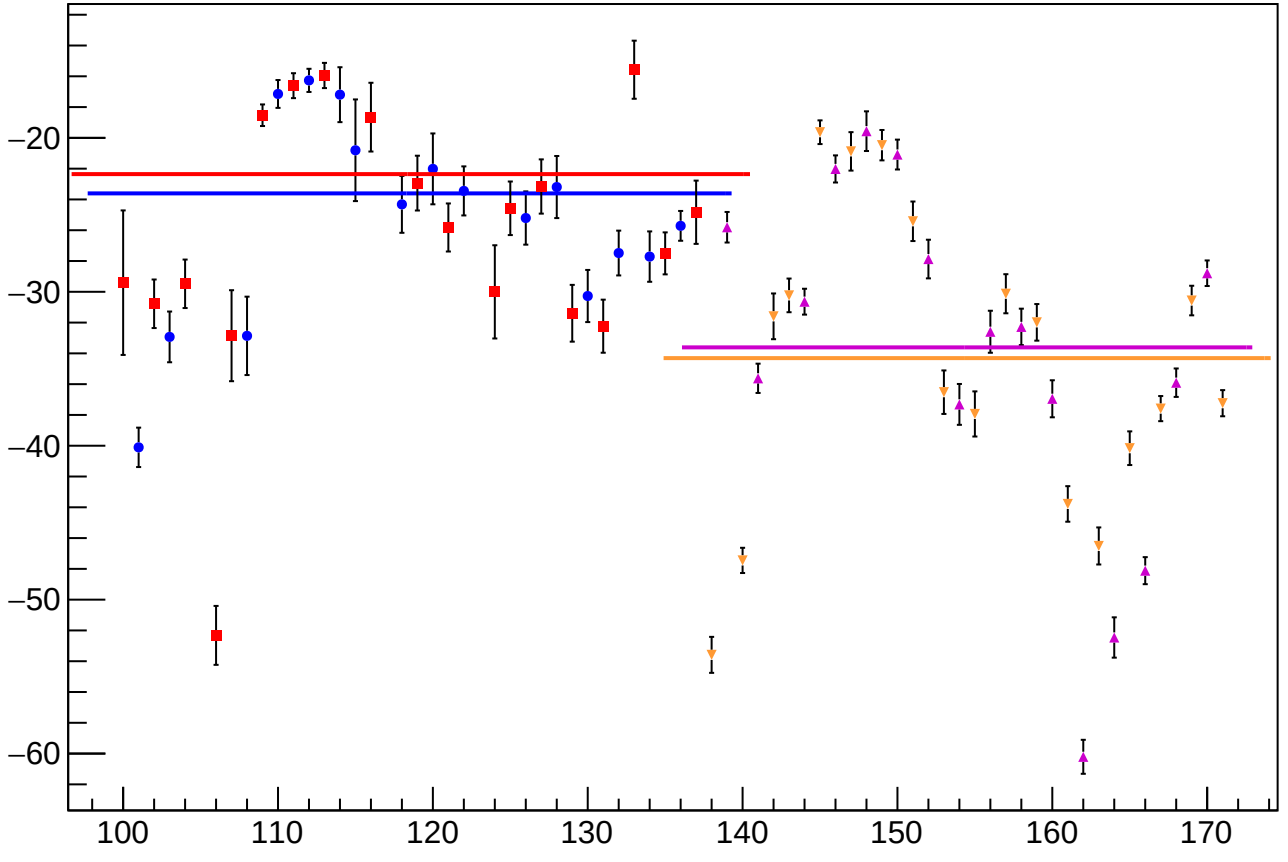
Left In: -0.202+/-0.011 χ^2/NDF:1520.0/15

+ sign -0.272+/-0.010 χ^2/NDF: 1995.2/33

All: -0.275+/-0.007 χ^2/NDF: 5100.9/68

- sign -0.279+/-0.010 χ^2/NDF: 3105.6/34

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.309+/-0.250 χ^2/NDF:1534.7/17

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

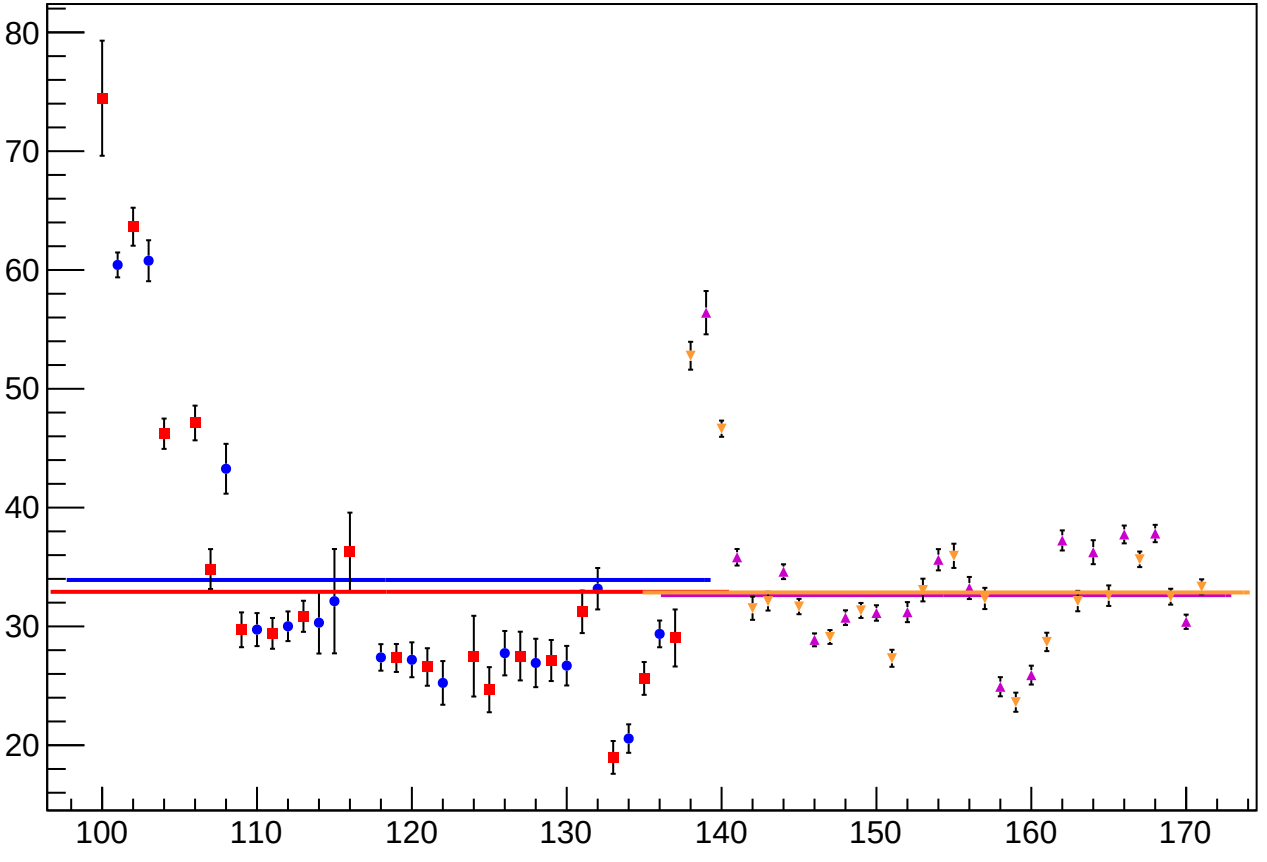
Left In: -33.611+/-0.259 χ^2/NDF:1675.3/15

+ sign -30.671+/-0.203 χ^2/NDF: 2564.3/33

All: -29.927+/-0.143 χ^2/NDF: 5561.5/68

- sign -29.193+/-0.202 χ^2/NDF: 2970.6/34

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.858+/-0.178 χ^2/NDF:999.4/17

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

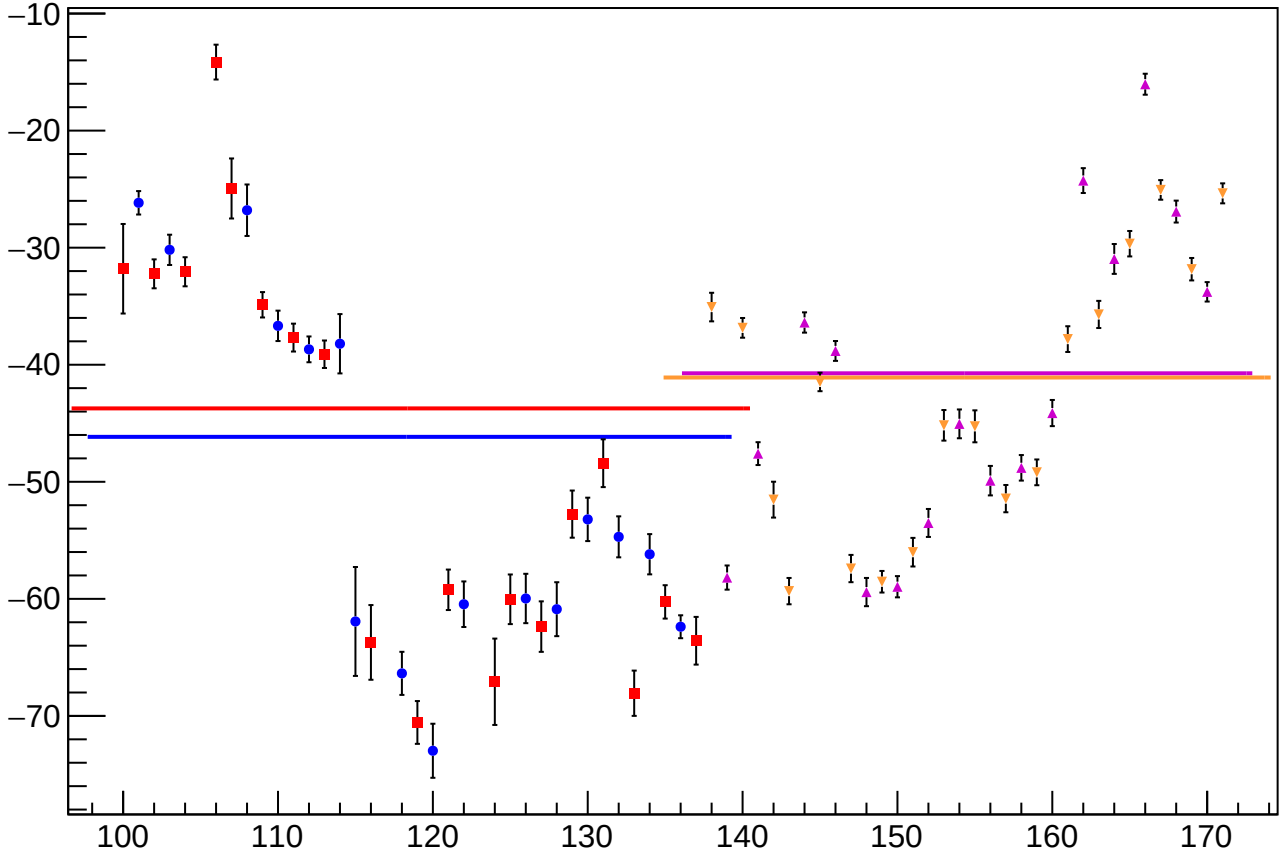
Left In: 32.636+/-0.186 χ^2/NDF:594.4/15

+ sign 33.051+/-0.161 χ^2/NDF: 2190.2/33

All: 32.877+/-0.116 χ^2/NDF: 3662.5/68

- sign 32.691+/-0.166 χ^2/NDF: 1469.8/34

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -41.091+/-0.246 χ^2/NDF:2155.3/17

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

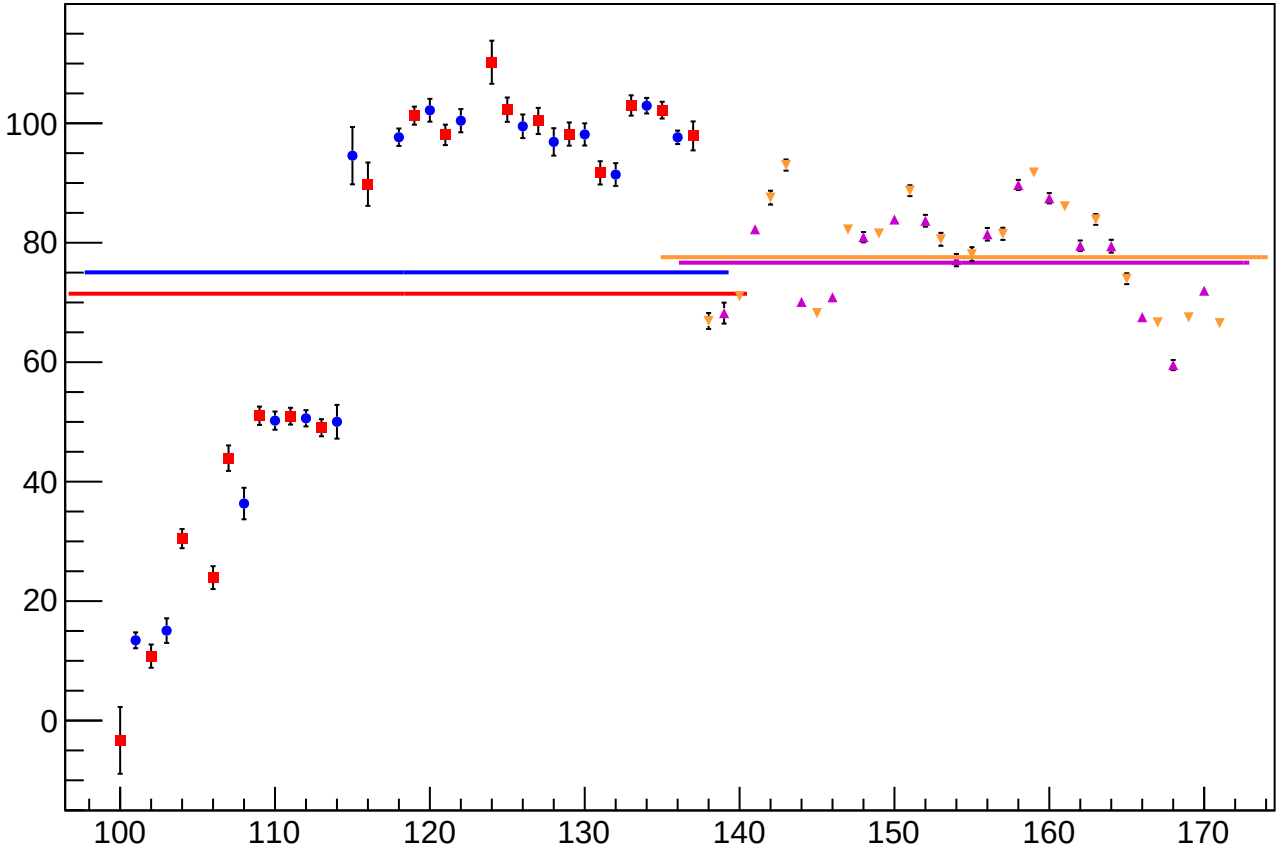
Left In: -40.732+/-0.253 χ^2/NDF:2599.9/15

+ sign -42.538+/-0.208 χ^2/NDF: 3765.8/33

All: -42.104+/-0.148 χ^2/NDF: 8081.1/68

- sign -41.661+/-0.210 χ^2/NDF: 4306.6/34

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.581+/-0.204 χ^2/NDF:1984.8/17

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

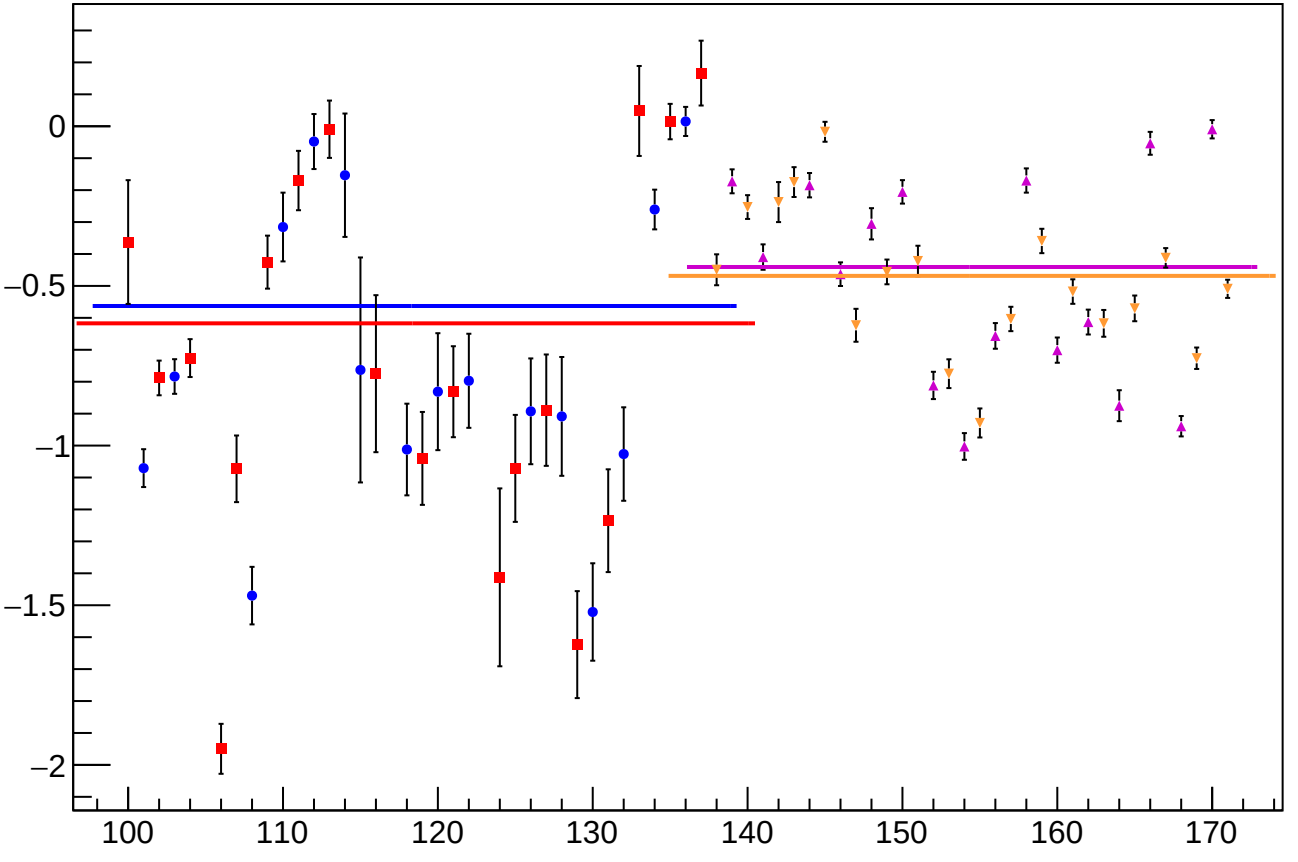
Left In: 76.661+/-0.213 χ^2/NDF:1412.8/15

+ sign 77.109+/-0.184 χ^2/NDF: 7841.9/33

All: 76.389+/-0.132 χ^2/NDF: 15033.4/68

- sign 75.623+/-0.190 χ^2/NDF: 7160.1/34

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.469+/-0.009 χ^2/NDF:560.8/17

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

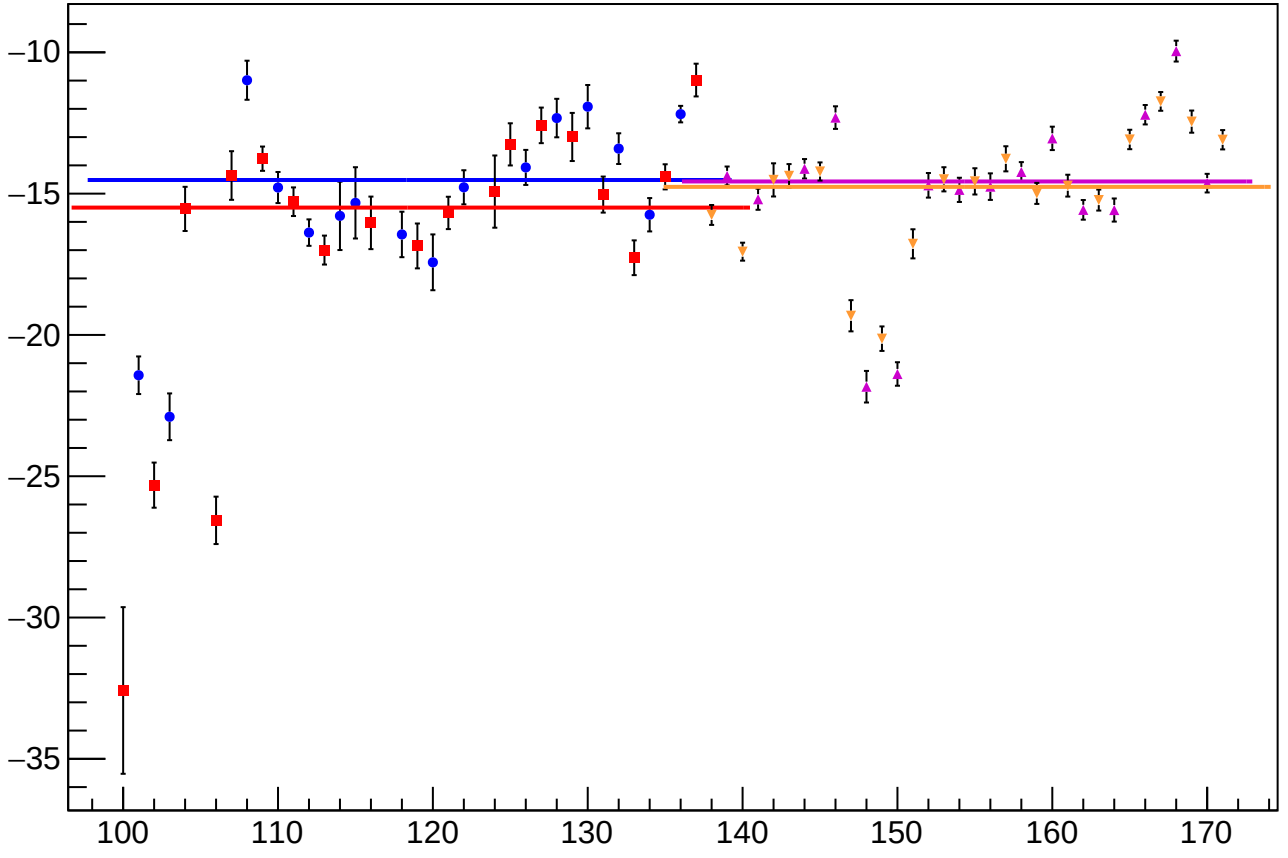
Left In: -0.441+/-0.010 χ^2/NDF:1212.8/15

+ sign -0.482+/-0.009 χ^2/NDF: 1069.2/33

All: -0.475+/-0.006 χ^2/NDF: 3026.8/68

- sign -0.468+/-0.009 χ^2/NDF: 1956.3/34

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: -14.761+/-0.092 χ^2/NDF:474.1/17

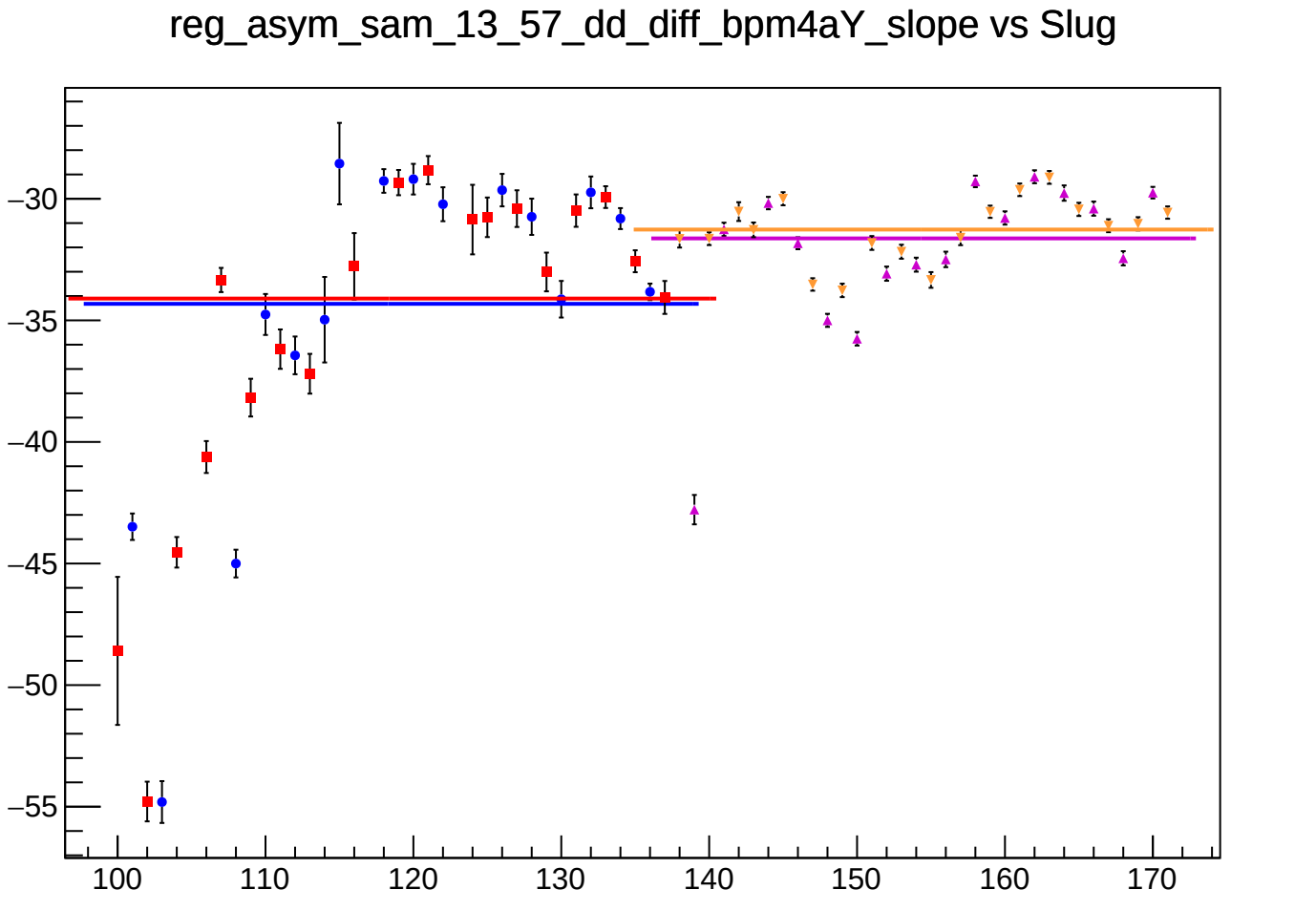
Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.570+/-0.096 χ^2/NDF:707.0/15

+ sign -14.694+/-0.078 χ^2/NDF: 839.4/33

All: -14.764+/-0.056 χ^2/NDF: 2078.9/68

- sign -14.838+/-0.081 χ^2/NDF: 1237.8/34



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.265+/-0.066 χ^2/NDF:375.3/17

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

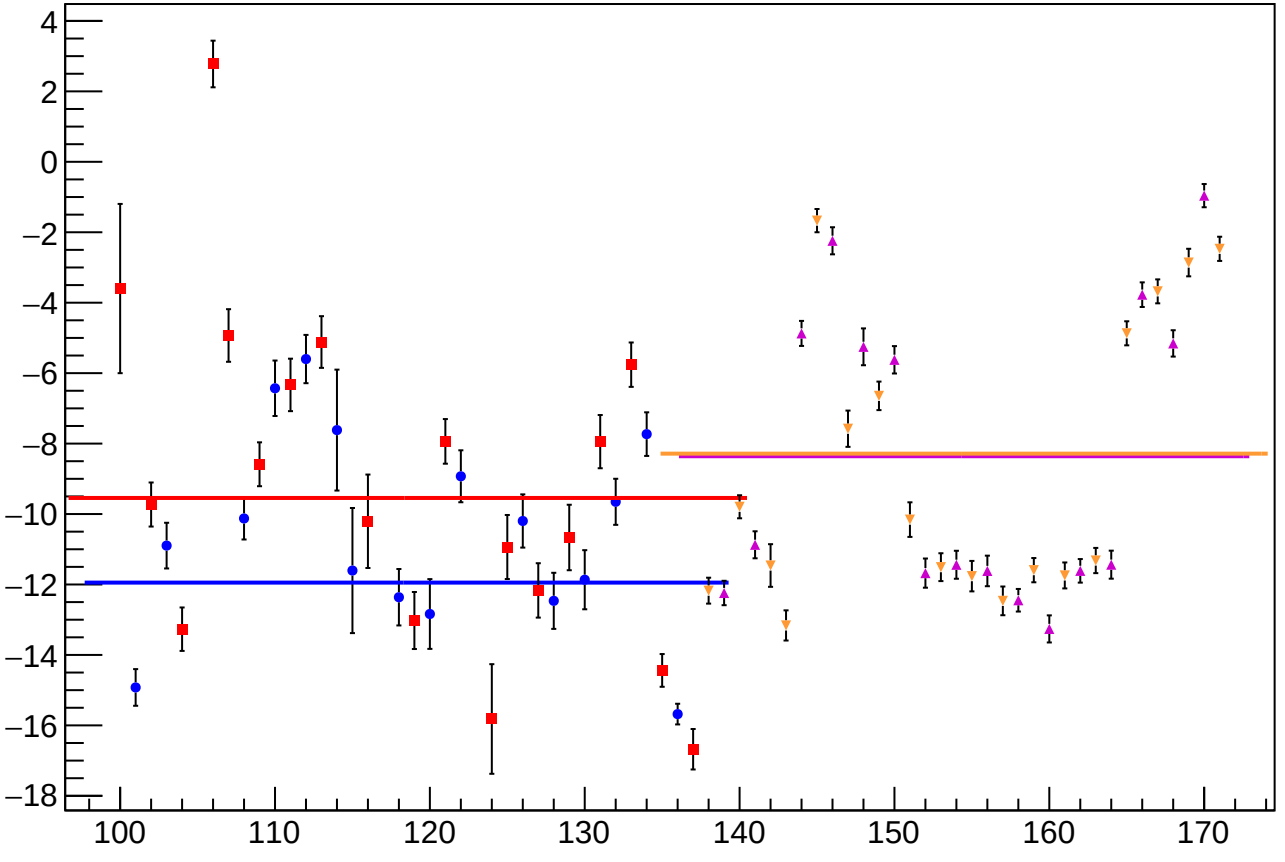
Left In: -31.629+/-0.070 χ^2/NDF:1115.9/15

+ sign -31.747+/-0.061 χ^2/NDF: 2330.6/33

All: -31.893+/-0.044 χ^2/NDF: 5107.0/68

- sign -32.053+/-0.064 χ^2/NDF: 2764.4/34

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: -8.285+/-0.091 χ^2/NDF:1976.1/17

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

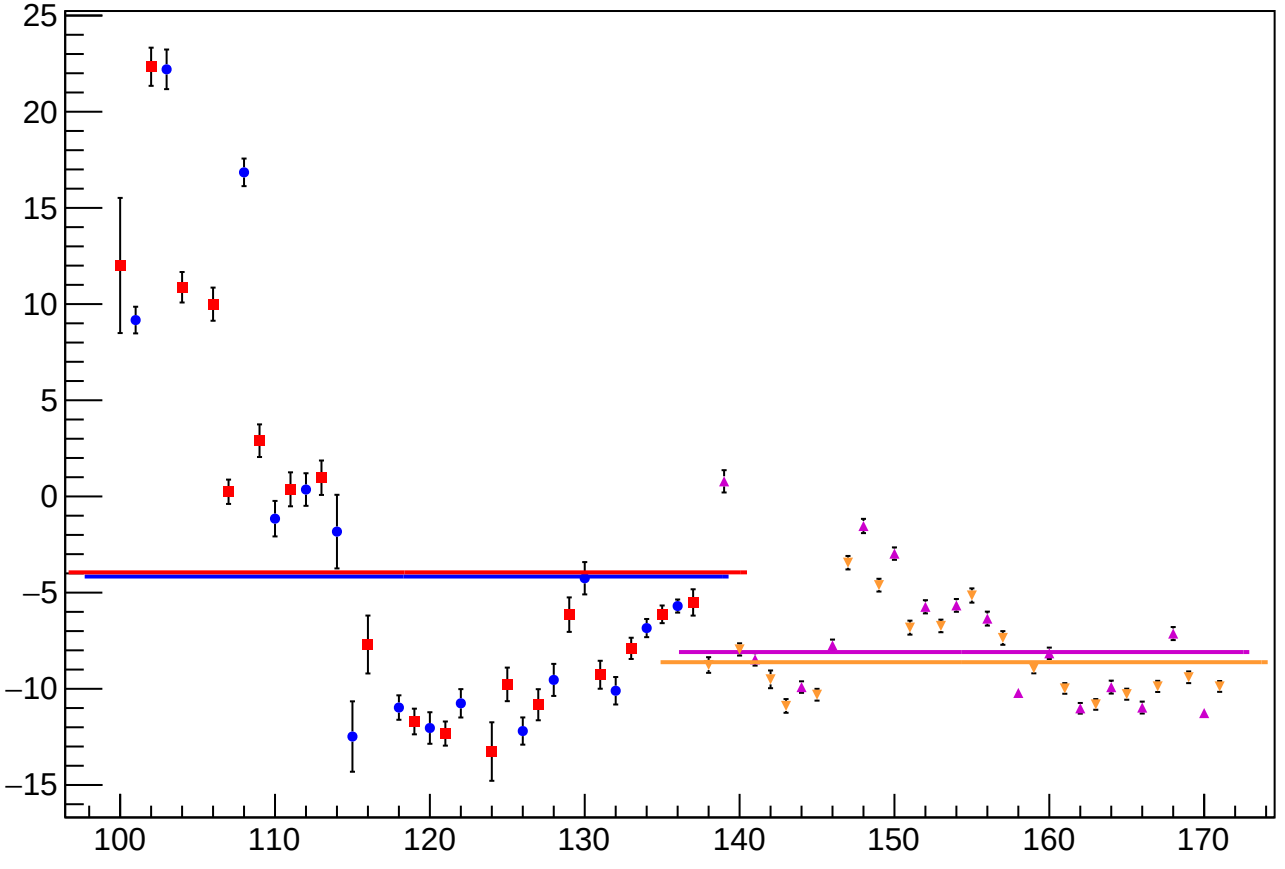
Left In: -8.359+/-0.094 χ^2/NDF:2012.4/15

+ sign -9.174+/-0.079 χ^2/NDF: 2802.0/33

All: -8.919+/-0.057 χ^2/NDF: 5721.9/68

- sign -8.647+/-0.082 χ^2/NDF: 2898.4/34

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: -8.617+/-0.075 χ^2/NDF:766.7/17

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

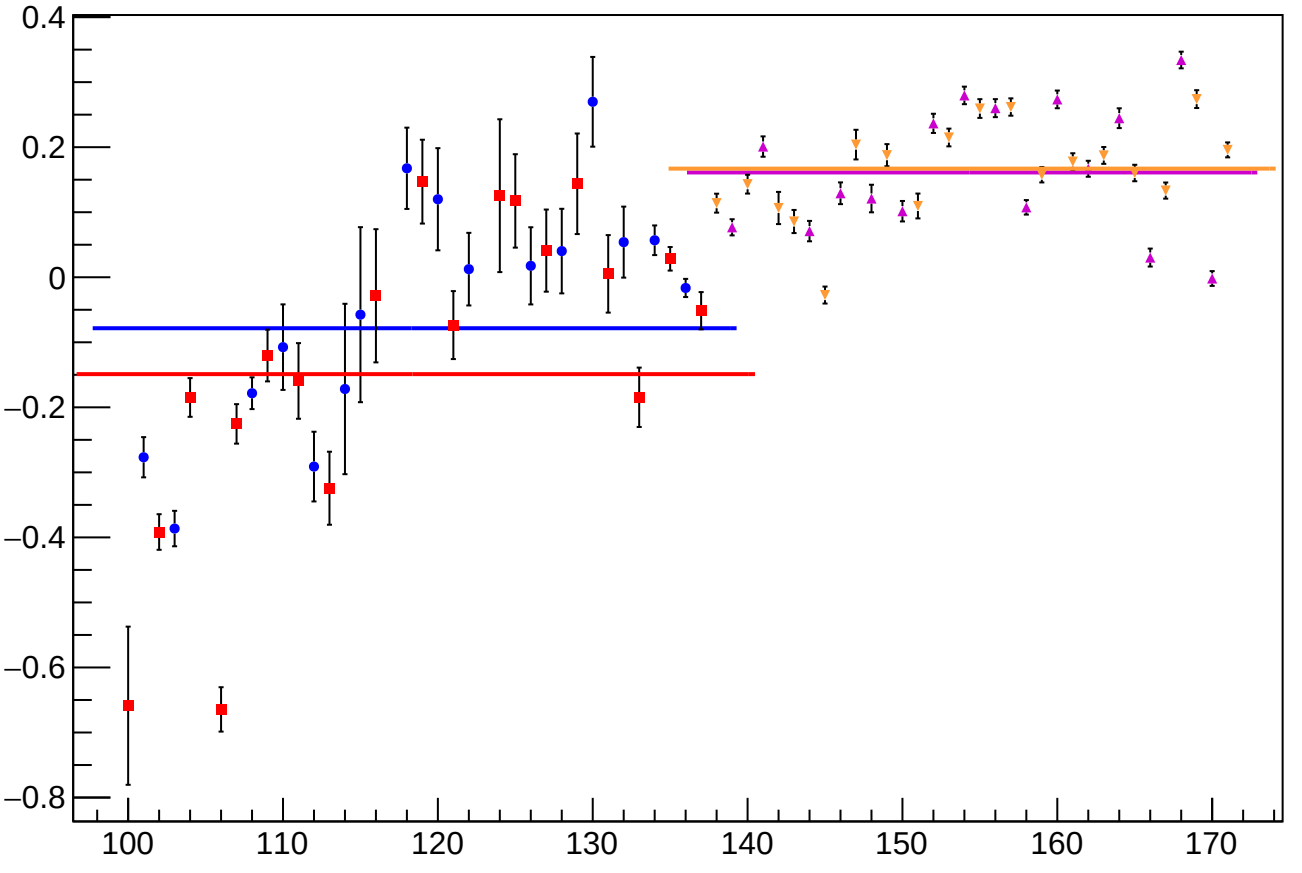
Left In: -8.090+/-0.079 χ^2/NDF:1419.2/15

+ sign -7.899+/-0.069 χ^2/NDF: 3854.6/33

All: -7.658+/-0.050 χ^2/NDF: 7870.4/68

- sign -7.393+/-0.072 χ^2/NDF: 3990.2/34

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: 0.167+/-0.003 χ^2/NDF:460.8/17

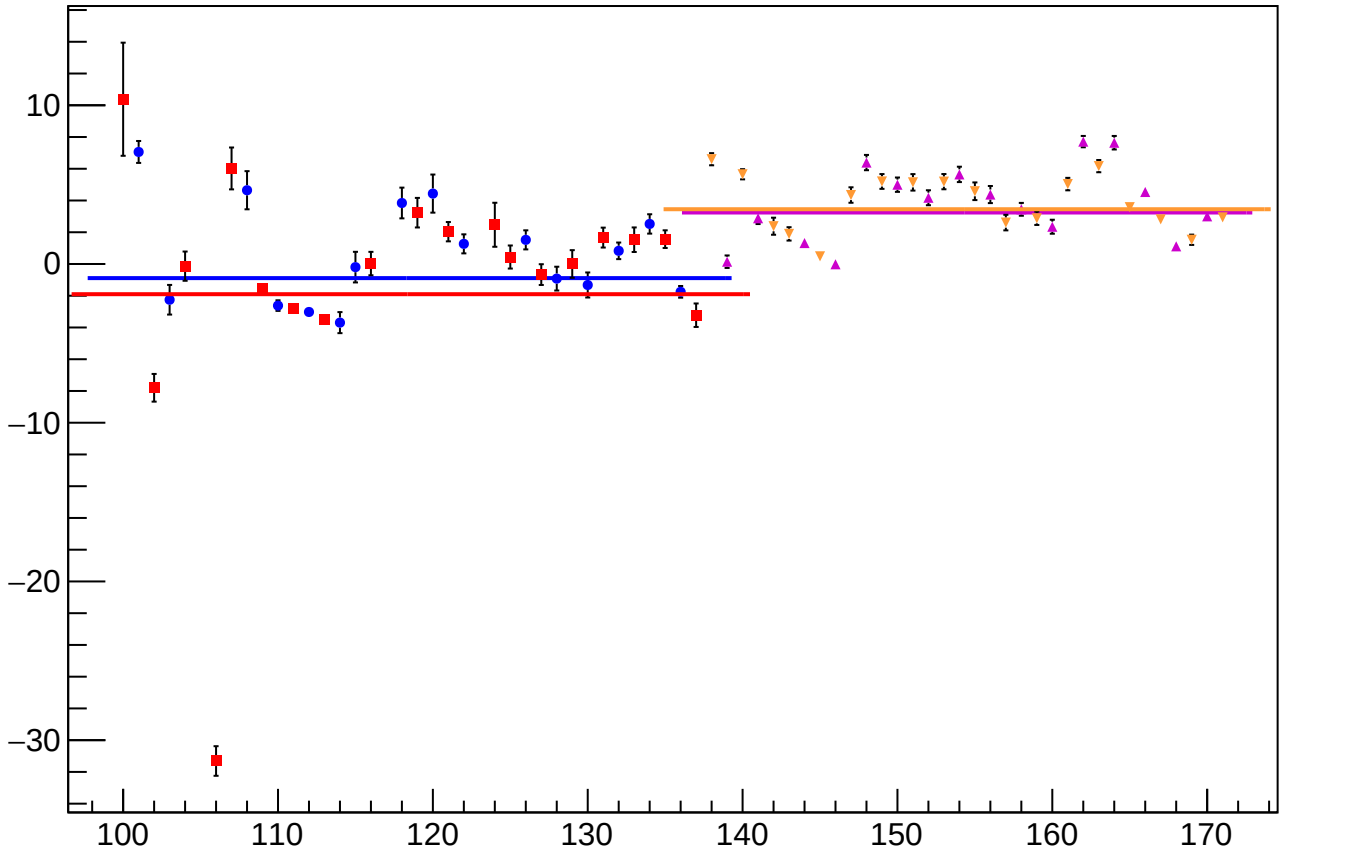
Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:860.5/15

+ sign 0.134+/-0.003 χ^2/NDF: 1490.7/33

All: 0.128+/-0.002 χ^2/NDF: 3903.2/68

- sign 0.122+/-0.003 χ^2/NDF: 2404.4/34



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.450+/-0.087 χ^2/NDF:439.4/17

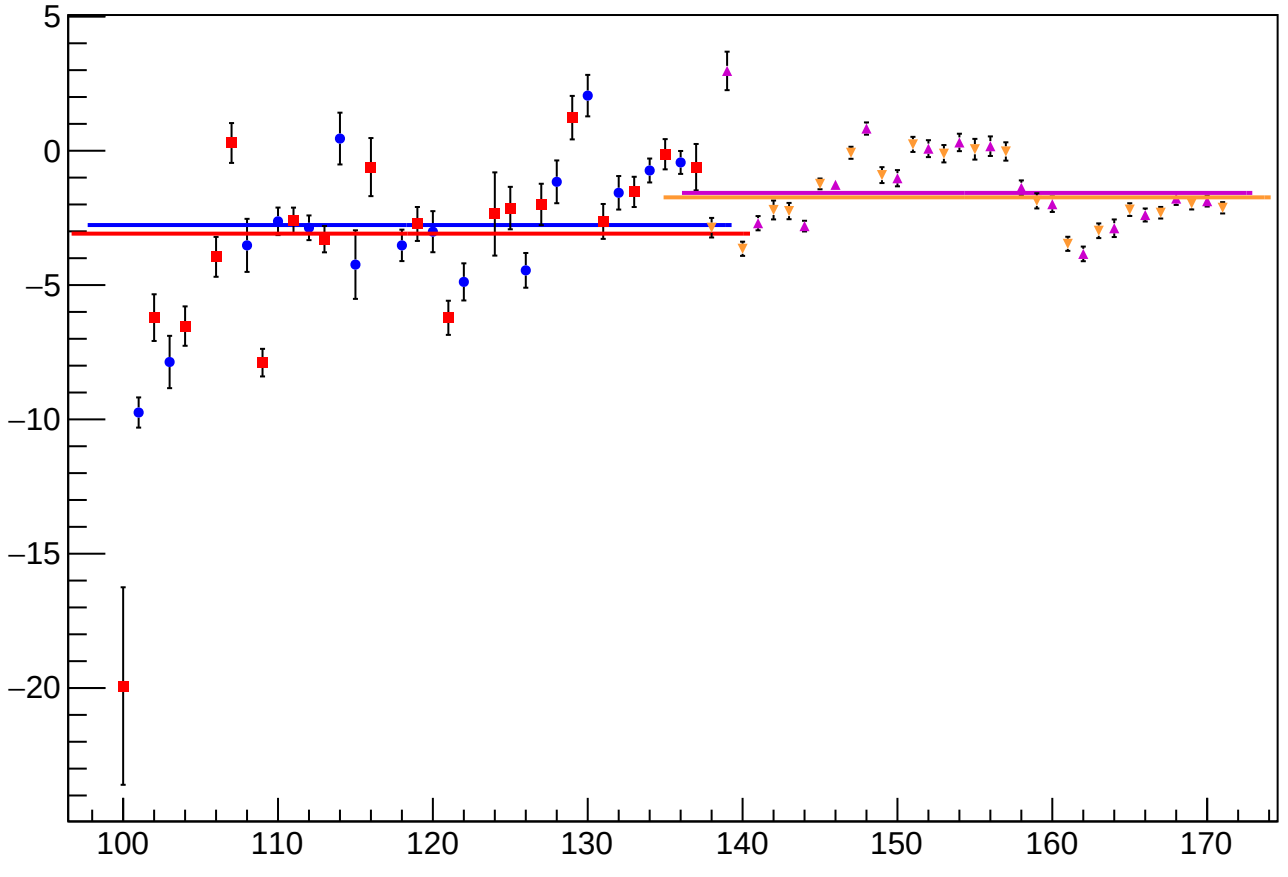
Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.243+/-0.091 χ^2/NDF:659.6/15

+ sign 2.194+/-0.073 χ^2/NDF: 1536.8/33

All: 1.862+/-0.052 χ^2/NDF: 4639.6/68

- sign 1.523+/-0.074 χ^2/NDF: 3061.6/34



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.735+/-0.062 χ^2/NDF:335.8/17

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

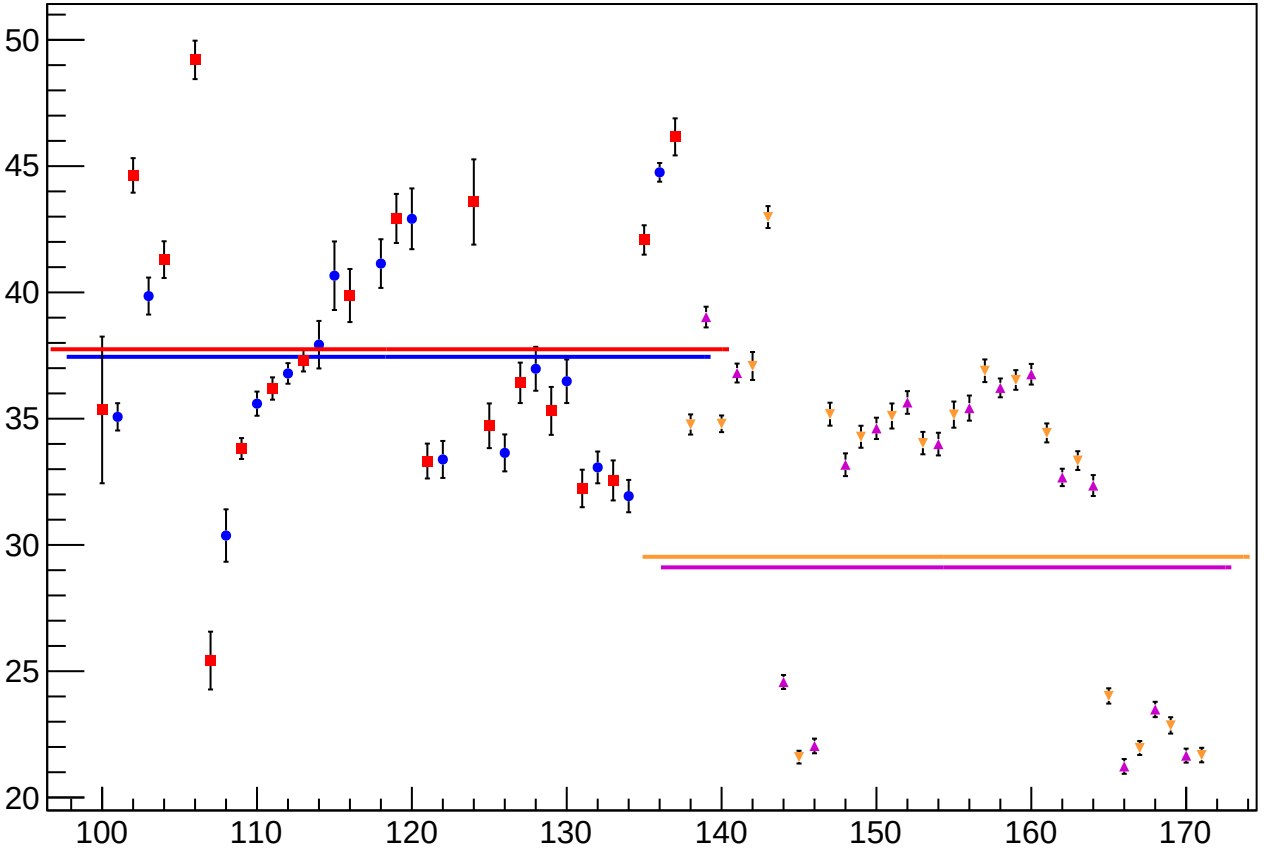
Left In: -1.570+/-0.065 χ^2/NDF:399.4/15

+ sign -1.877+/-0.058 χ^2/NDF: 683.4/33

All: -1.835+/-0.042 χ^2/NDF: 1435.7/68

- sign -1.789+/-0.060 χ^2/NDF: 751.1/34

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: 29.531+/-0.086 χ^2/NDF:6302.9/17

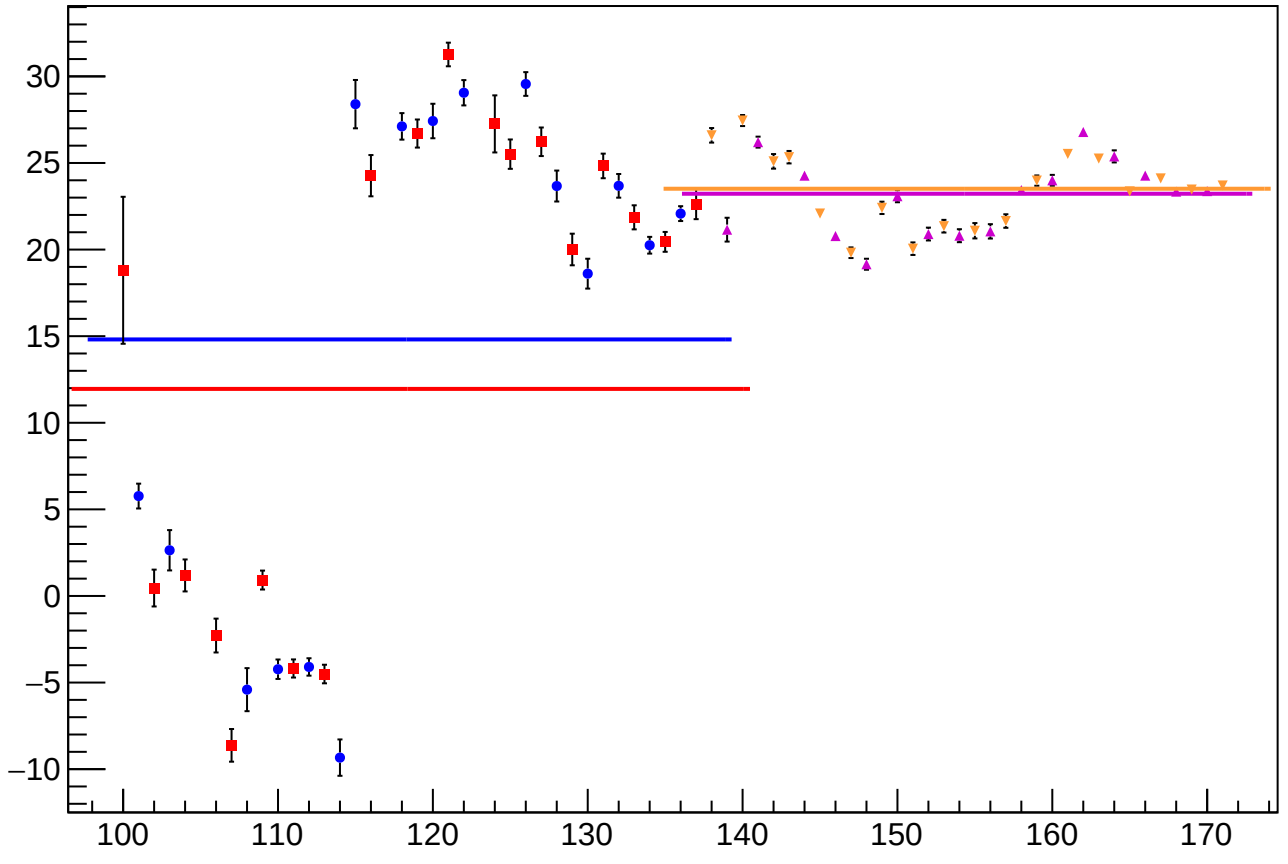
Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 29.112+/-0.089 χ^2/NDF:5281.0/15

+ sign 31.304+/-0.076 χ^2/NDF: 8893.6/33

All: 31.241+/-0.054 χ^2/NDF: 17373.5/68

- sign 31.176+/-0.078 χ^2/NDF: 8478.6/34



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.513+/-0.071 χ^2/NDF:715.8/17

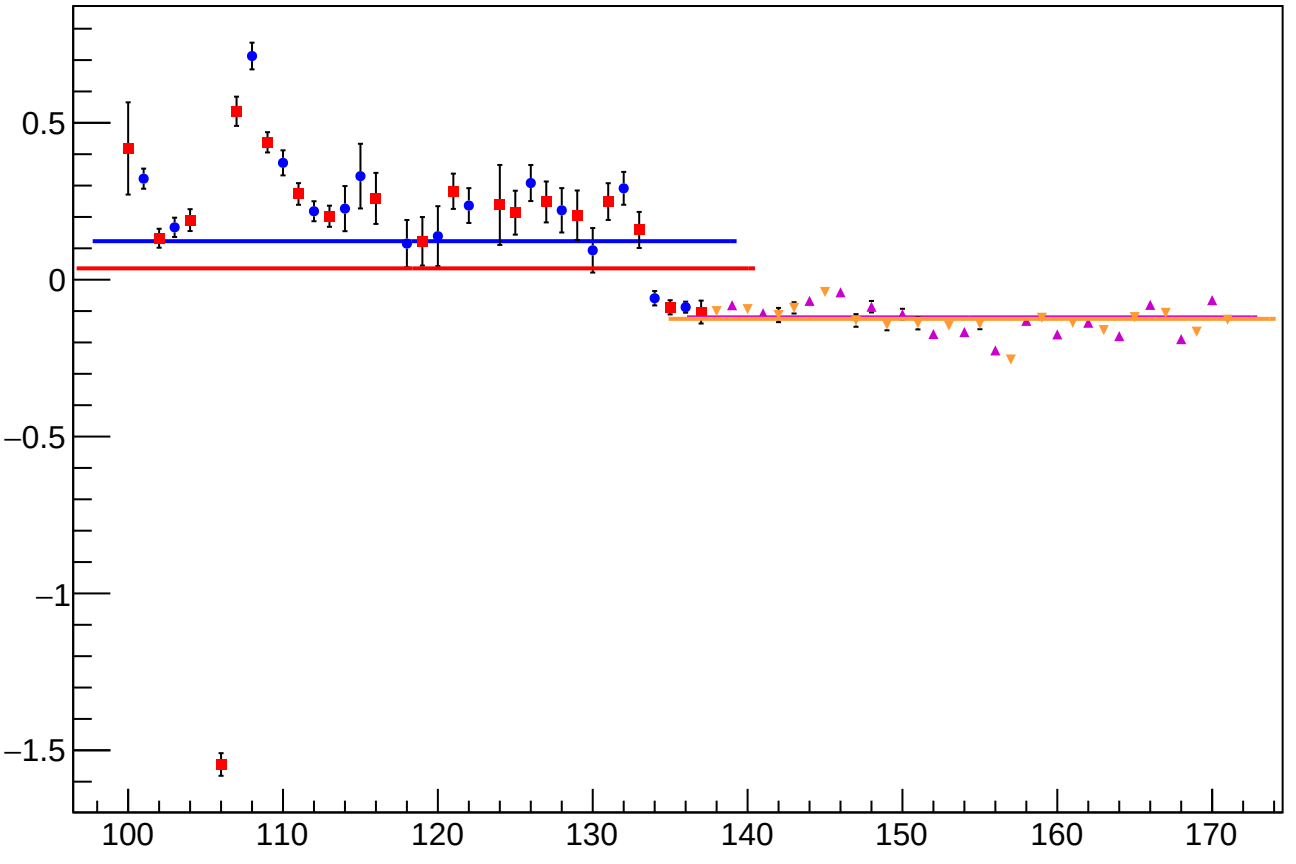
Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.224+/-0.074 χ^2/NDF:731.2/15

+ sign 22.263+/-0.066 χ^2/NDF: 8546.7/33

All: 21.912+/-0.047 χ^2/NDF: 18894.4/68

- sign 21.533+/-0.068 χ^2/NDF: 10288.5/34



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.125+/-0.003 χ^2/NDF:191.6/17

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

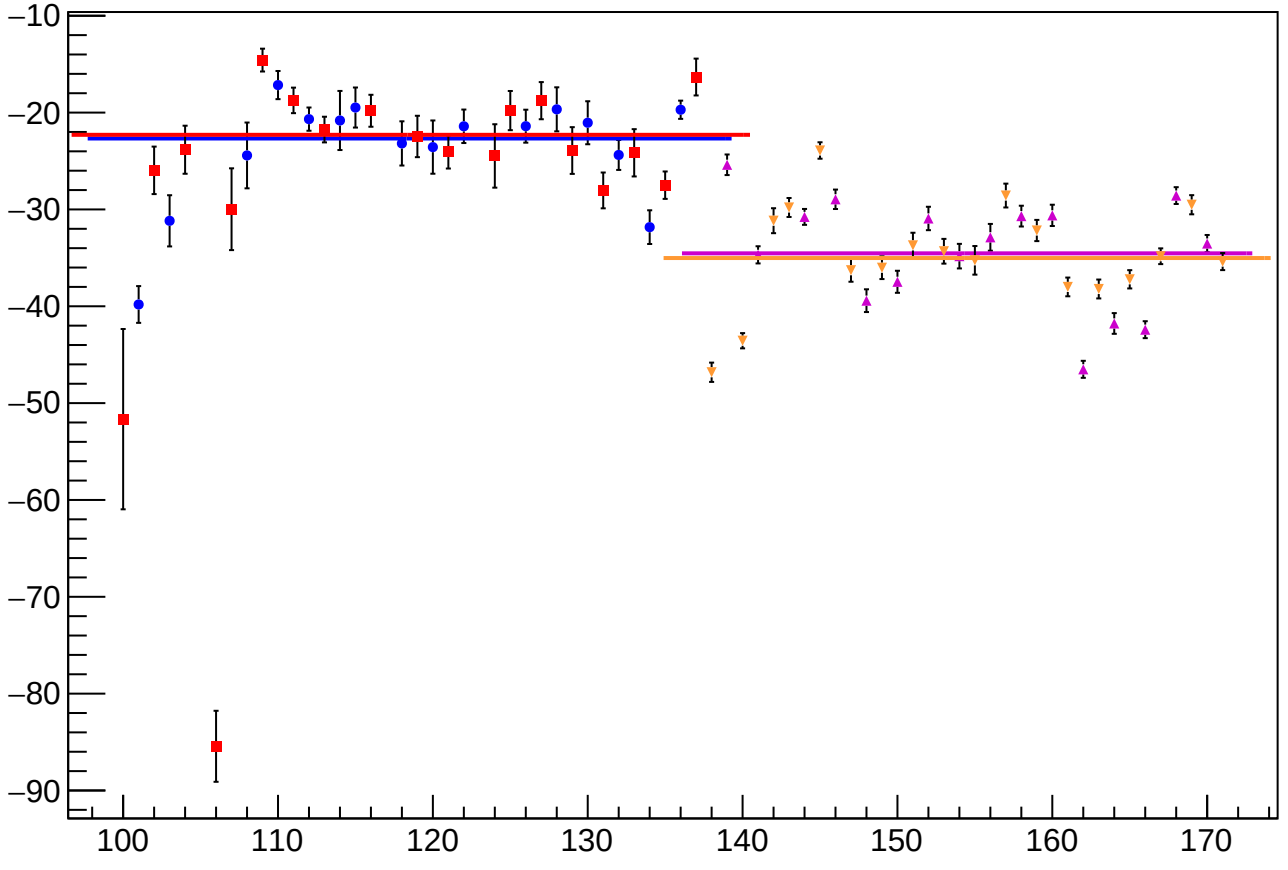
Left In: -0.120+/-0.003 χ^2/NDF:254.7/15

+ sign -0.099+/-0.003 χ^2/NDF: 1331.6/33

All: -0.101+/-0.002 χ^2/NDF: 4230.7/68

- sign -0.104+/-0.003 χ^2/NDF: 2898.0/34

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: -35.019+/-0.240 χ^2/NDF:560.7/17

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

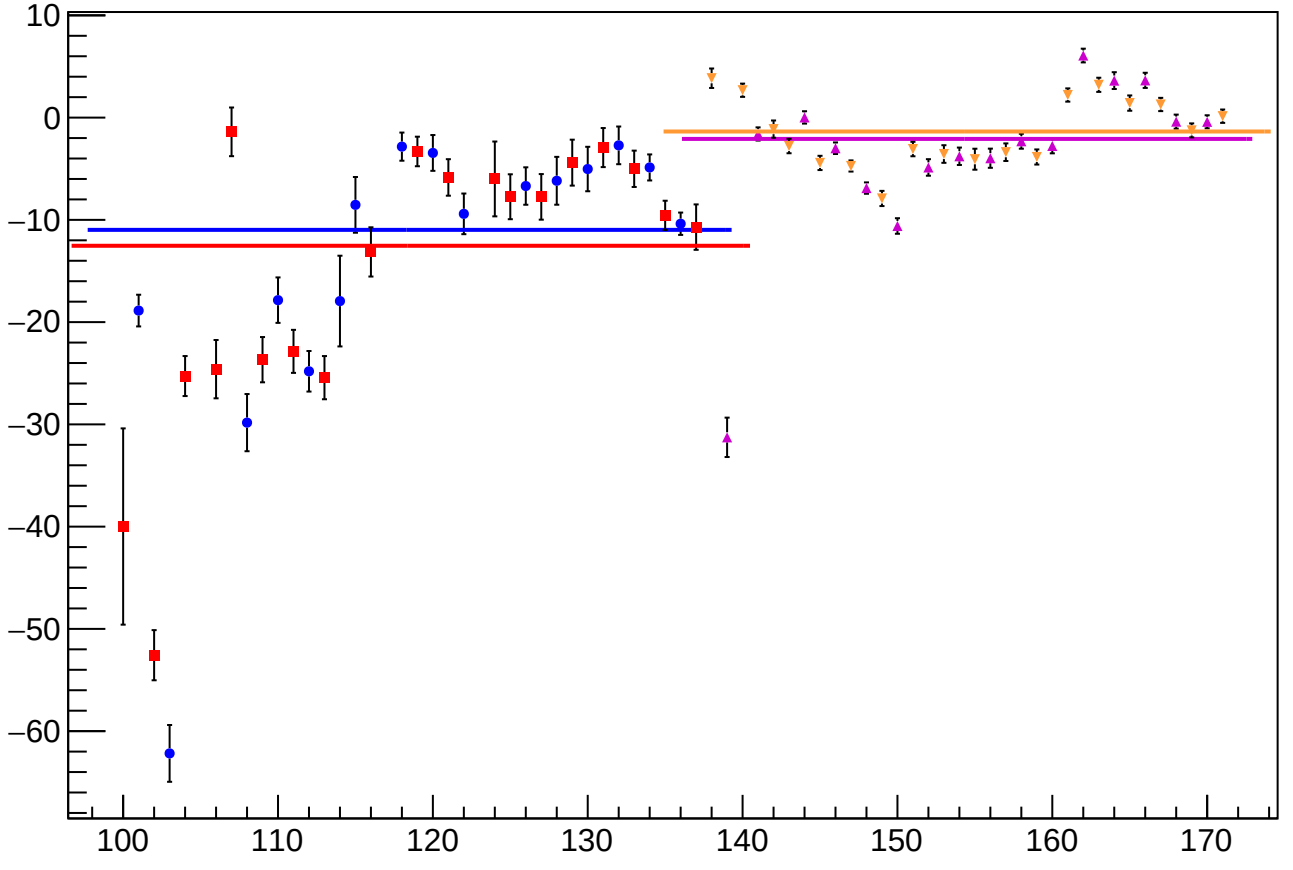
Left In: -34.533+/-0.252 χ^2/NDF:547.4/15

+ sign -32.127+/-0.210 χ^2/NDF: 1333.1/33

All: -31.805+/-0.151 χ^2/NDF: 2883.1/68

- sign -31.459+/-0.218 χ^2/NDF: 1545.2/34

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.359+/-0.170 χ^2/NDF:353.8/17

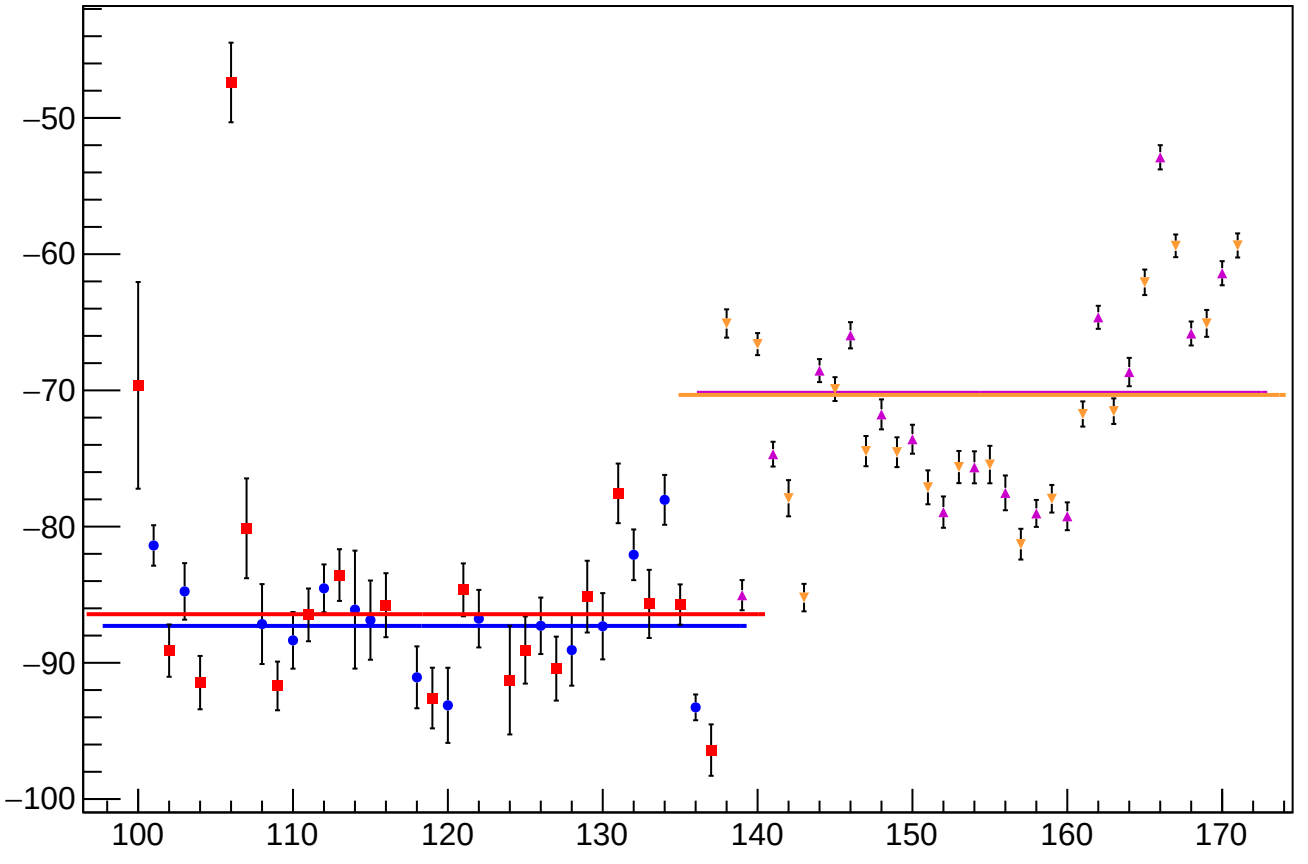
Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.084+/-0.178 χ^2/NDF:734.3/15

+ sign -2.541+/-0.159 χ^2/NDF: 1336.0/33

All: -2.923+/-0.115 χ^2/NDF: 3069.5/68

- sign -3.346+/-0.167 χ^2/NDF: 1721.4/34



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -70.332+/-0.237 χ^2/NDF:976.6/17

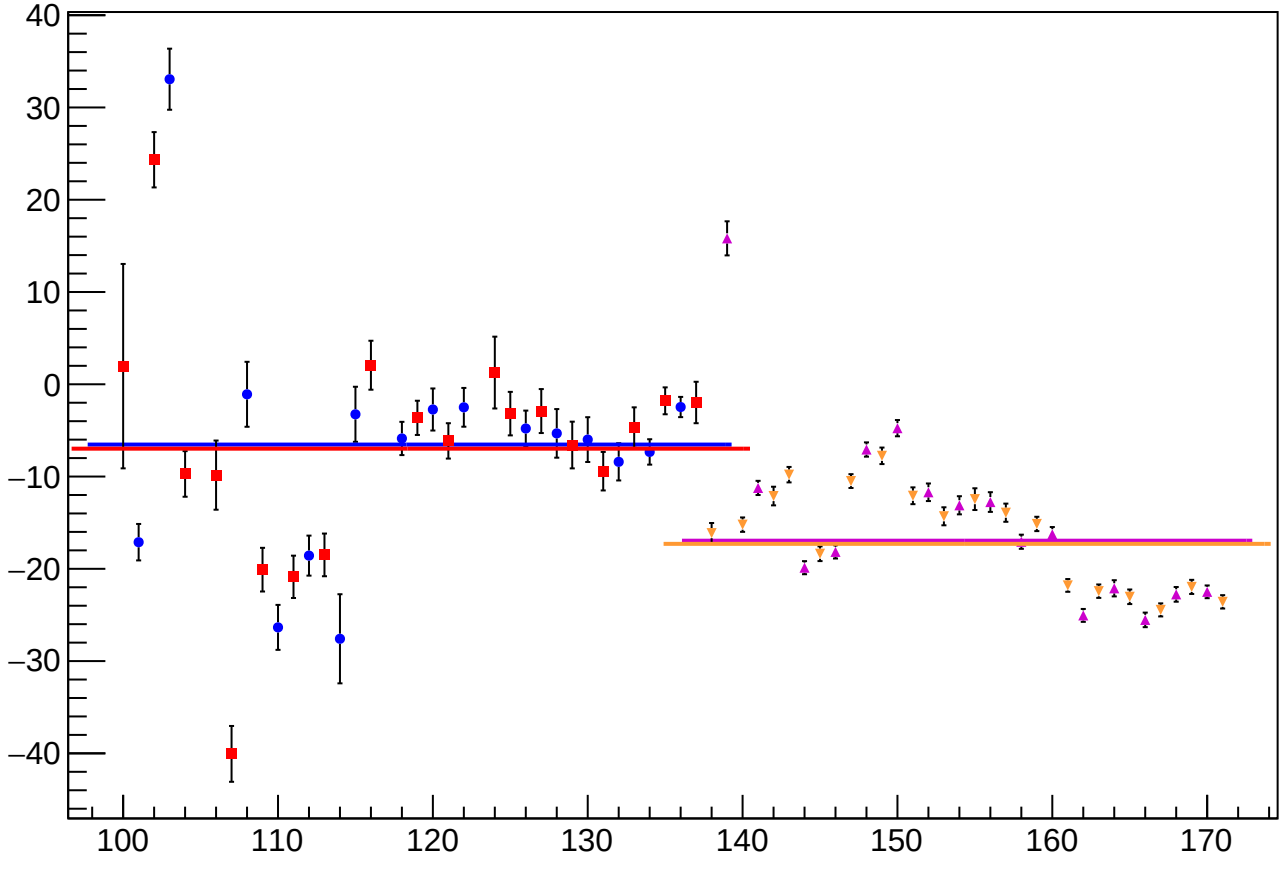
Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -70.178+/-0.247 χ^2/NDF:1056.7/15

+ sign -73.651+/-0.213 χ^2/NDF: 2079.3/33

All: -73.482+/-0.153 χ^2/NDF: 4236.1/68

- sign -73.298+/-0.222 χ^2/NDF: 2155.5/34



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -17.295+/-0.195 χ^2/NDF:750.5/17

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

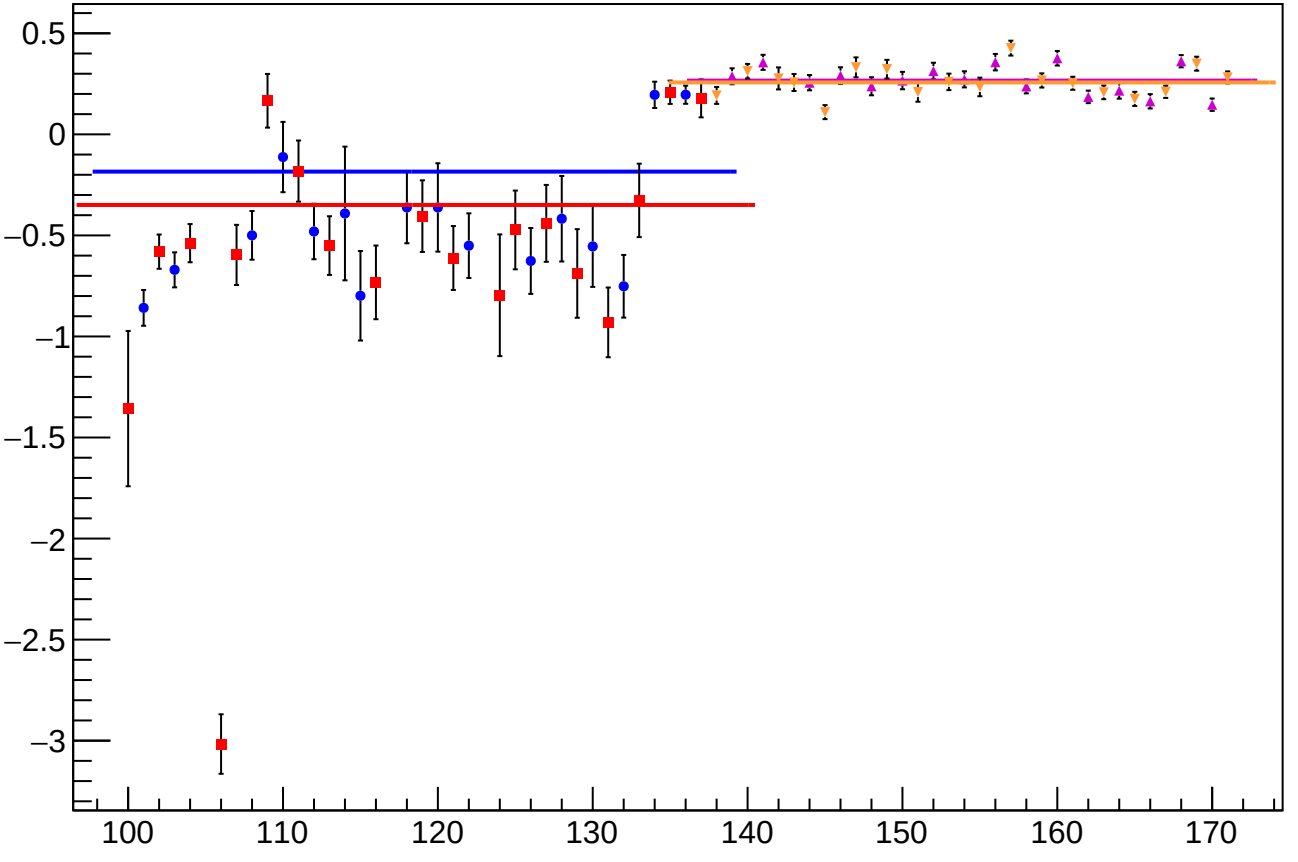
Left In: -16.953+/-0.205 χ^2/NDF:1211.0/15

+ sign -15.914+/-0.182 χ^2/NDF: 1455.7/33

All: -15.814+/-0.132 χ^2/NDF: 3332.2/68

- sign -15.704+/-0.192 χ^2/NDF: 1875.9/34

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: 0.257+/-0.009 χ^2/NDF:67.3/17

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

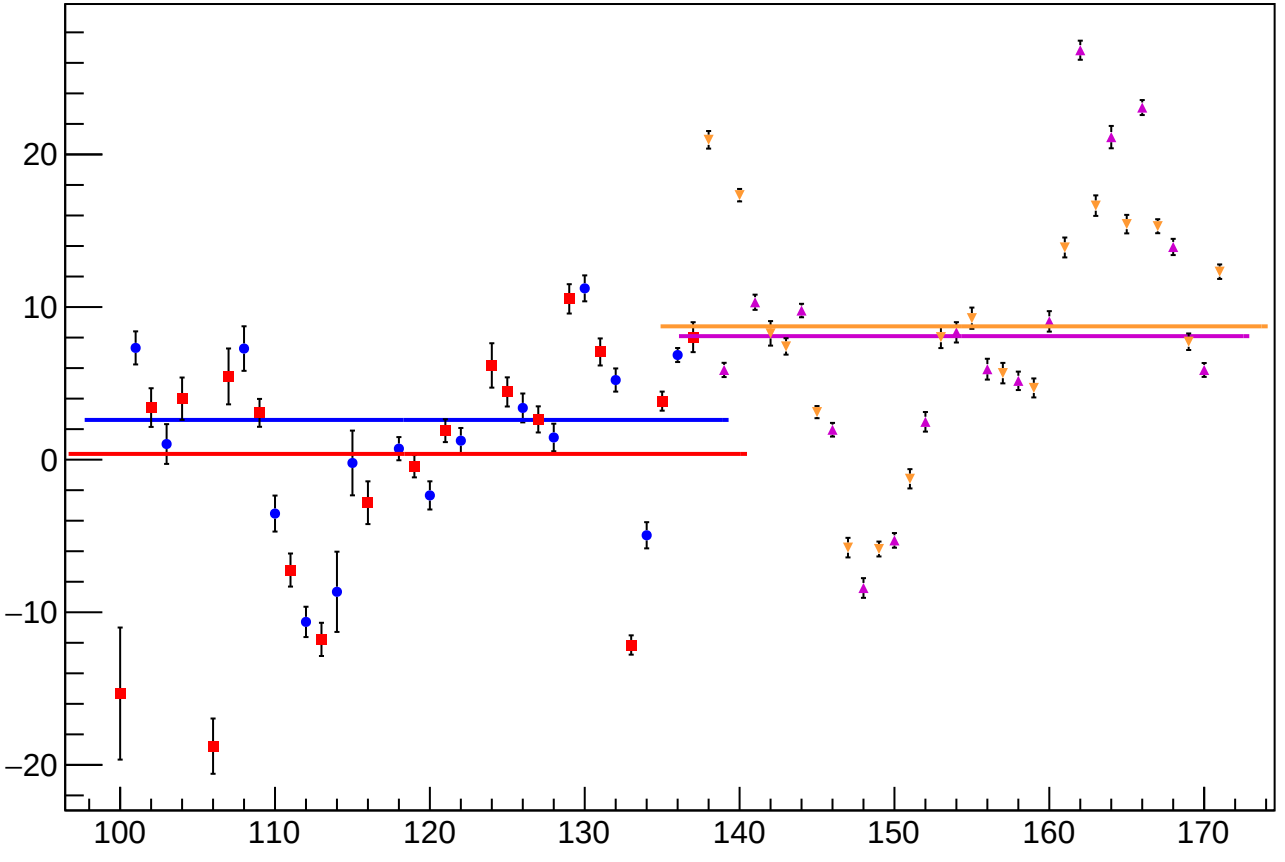
Left In: 0.266+/-0.009 χ^2/NDF:65.2/15

+ sign 0.213+/-0.008 χ^2/NDF: 559.4/33

All: 0.212+/-0.006 χ^2/NDF: 1541.9/68

- sign 0.210+/-0.009 χ^2/NDF: 982.5/34

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: 8.736+/-0.131 χ^2/NDF:3405.0/17

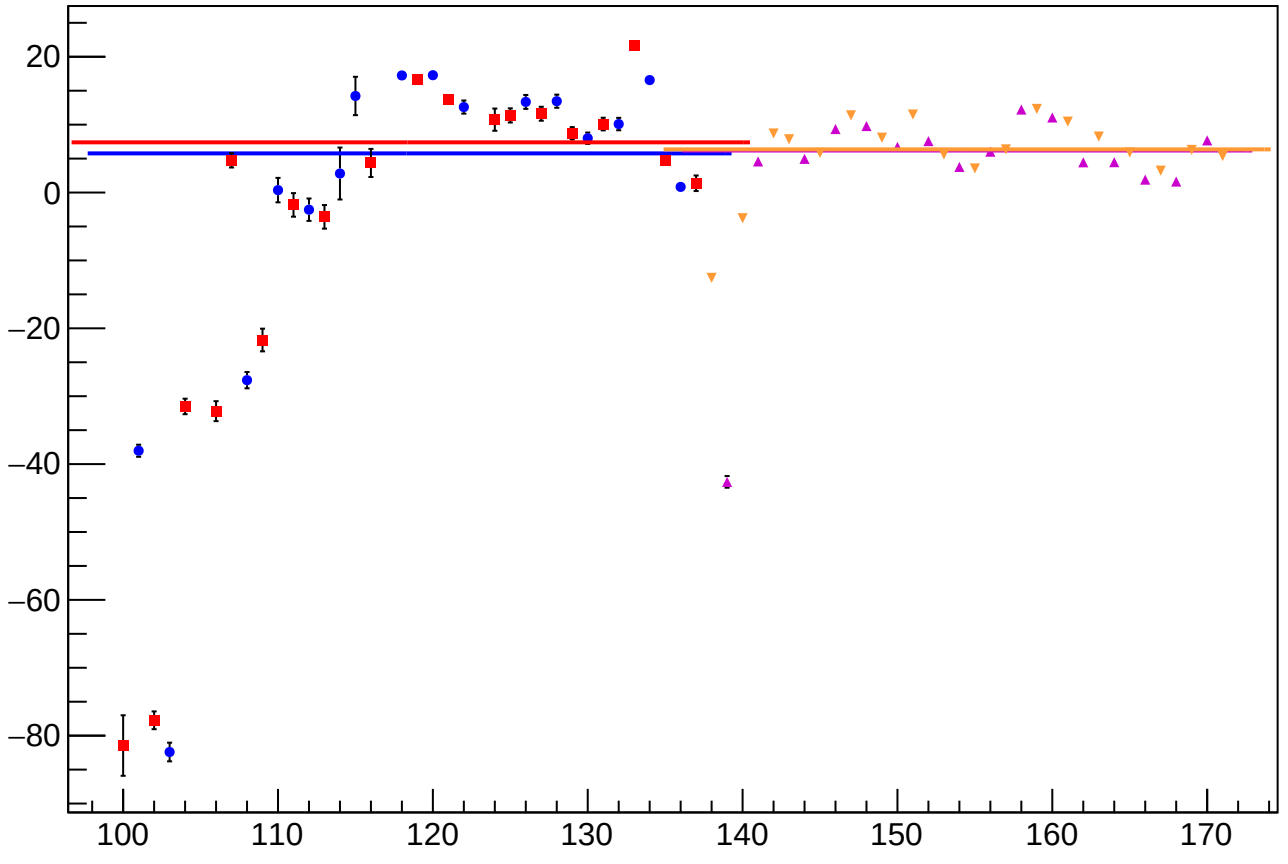
Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.094+/-0.136 χ^2/NDF:4071.4/15

+ sign 7.172+/-0.113 χ^2/NDF: 4535.8/33

All: 6.597+/-0.081 χ^2/NDF: 10568.6/68

- sign 5.994+/-0.116 χ^2/NDF: 5980.0/34



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.359+/-0.093 χ^2/NDF:2914.6/17

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

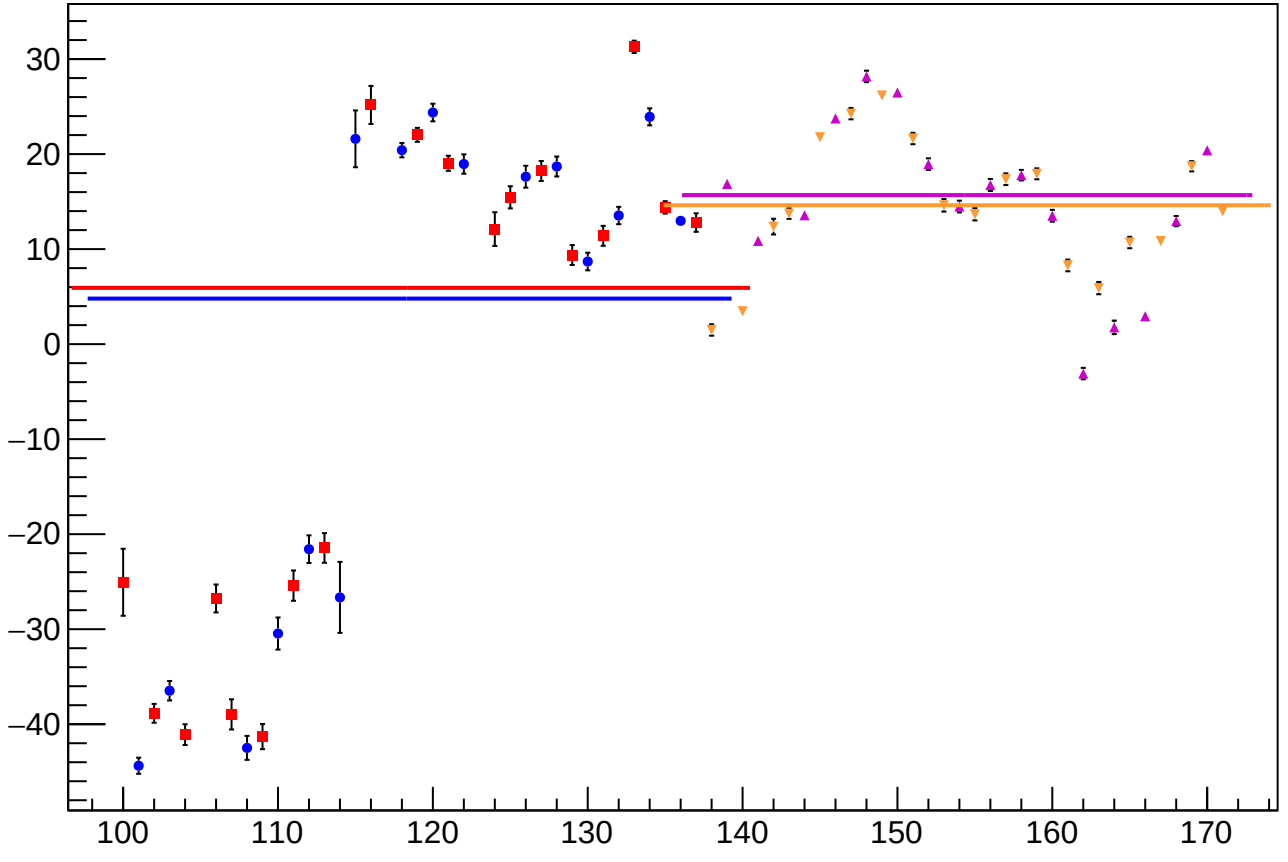
Left In: 6.188+/-0.097 χ^2/NDF:4175.6/15

+ sign 6.262+/-0.085 χ^2/NDF: 11855.1/33

All: 6.330+/-0.061 χ^2/NDF: 24450.0/68

- sign 6.404+/-0.088 χ^2/NDF: 12593.6/34

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.619+/-0.129 χ^2/NDF:3042.1/17

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

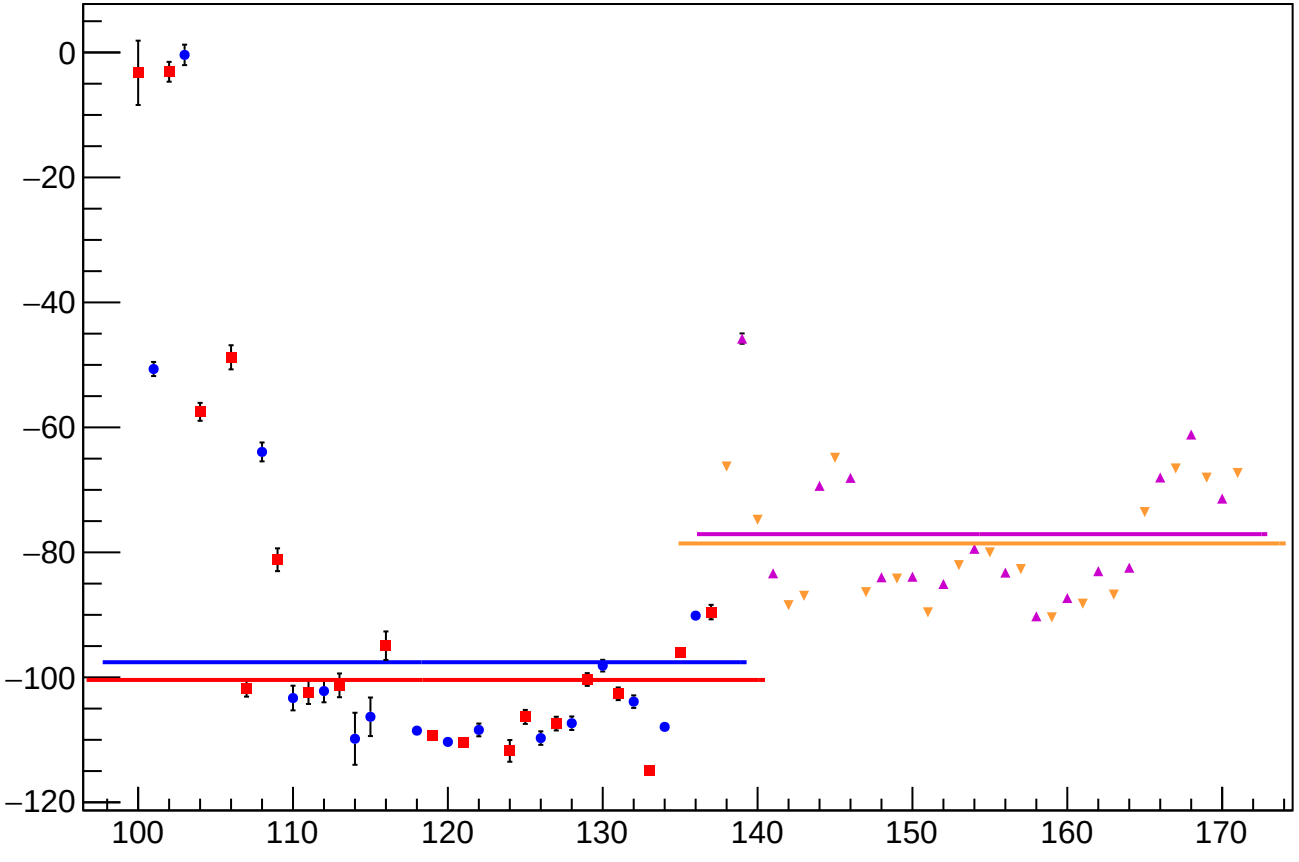
Left In: 15.685+/-0.133 χ^2/NDF:3668.6/15

+ sign 12.373+/-0.113 χ^2/NDF: 13860.2/33

All: 12.870+/-0.081 χ^2/NDF: 28894.8/68

- sign 13.391+/-0.116 χ^2/NDF: 14995.4/34

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.573+/-0.107 χ^2/NDF:7487.9/17

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

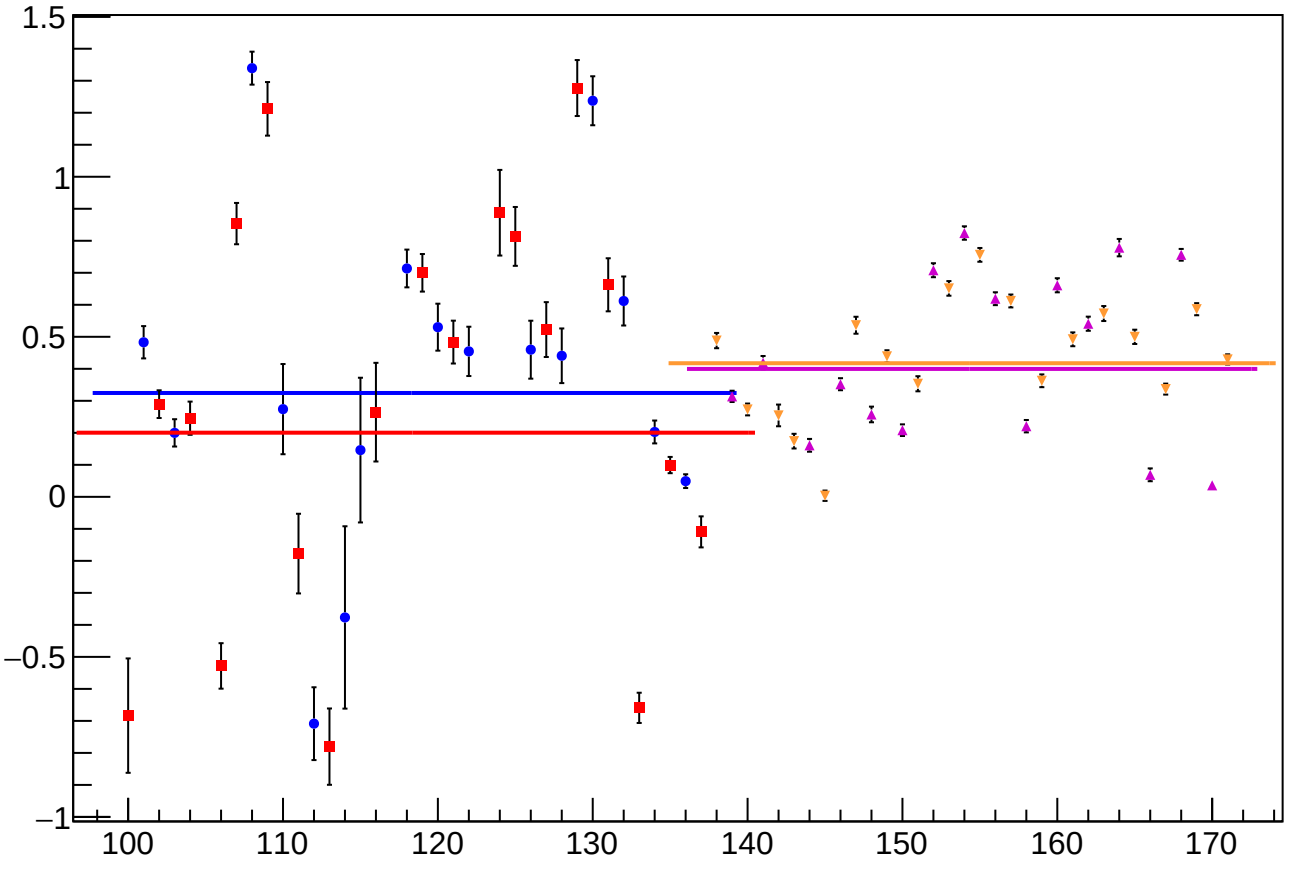
Left In: -77.086+/-0.112 χ^2/NDF:7086.0/15

+ sign -81.711+/-0.098 χ^2/NDF: 19796.2/33

All: -81.482+/-0.071 χ^2/NDF: 41716.5/68

- sign -81.236+/-0.102 χ^2/NDF: 21909.0/34

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: 0.417+/-0.005 χ^2/NDF:1512.9/17

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

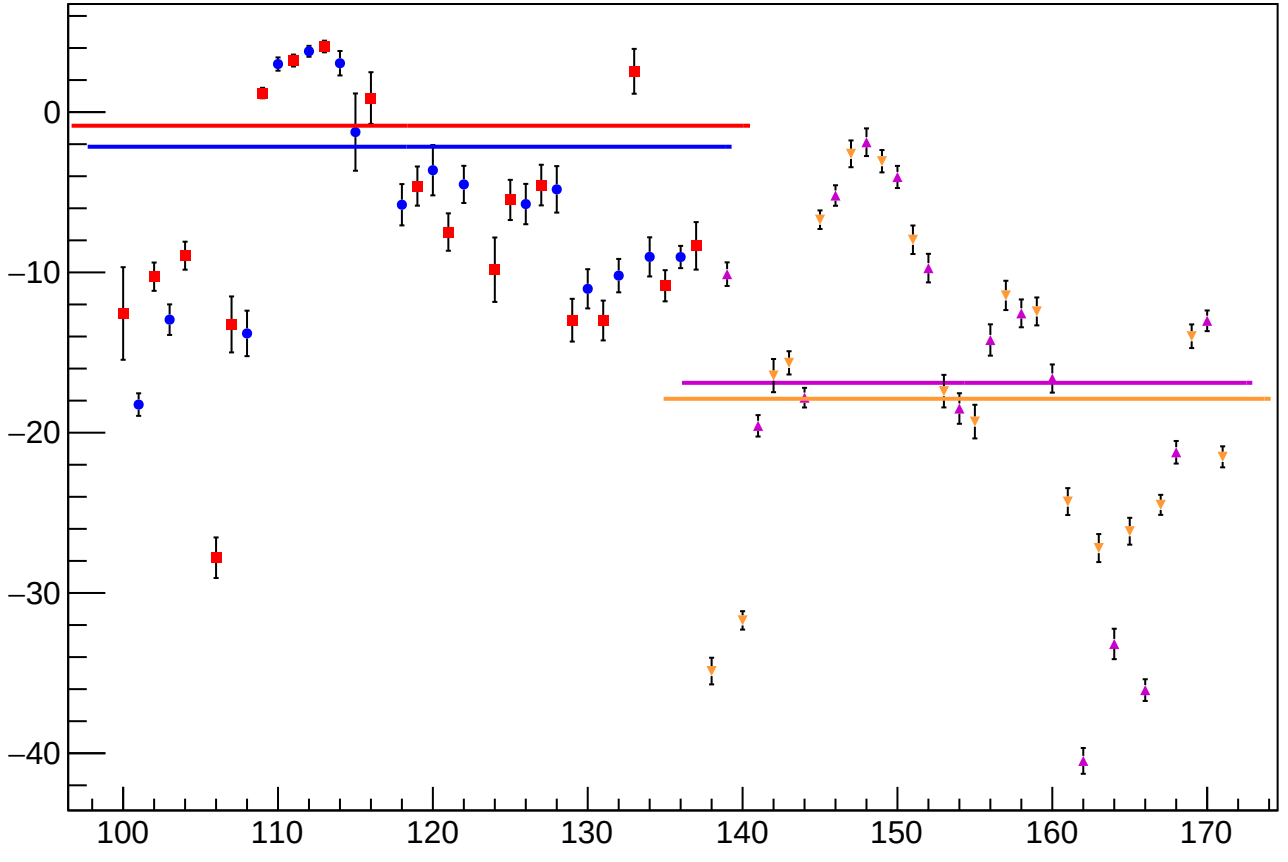
Left In: 0.400+/-0.005 χ^2/NDF:2693.4/15

+ sign 0.406+/-0.005 χ^2/NDF: 2442.5/33

All: 0.392+/-0.003 χ^2/NDF: 6546.1/68

- sign 0.377+/-0.005 χ^2/NDF: 4082.8/34

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -17.884+/-0.182 χ^2/NDF:2820.5/17

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

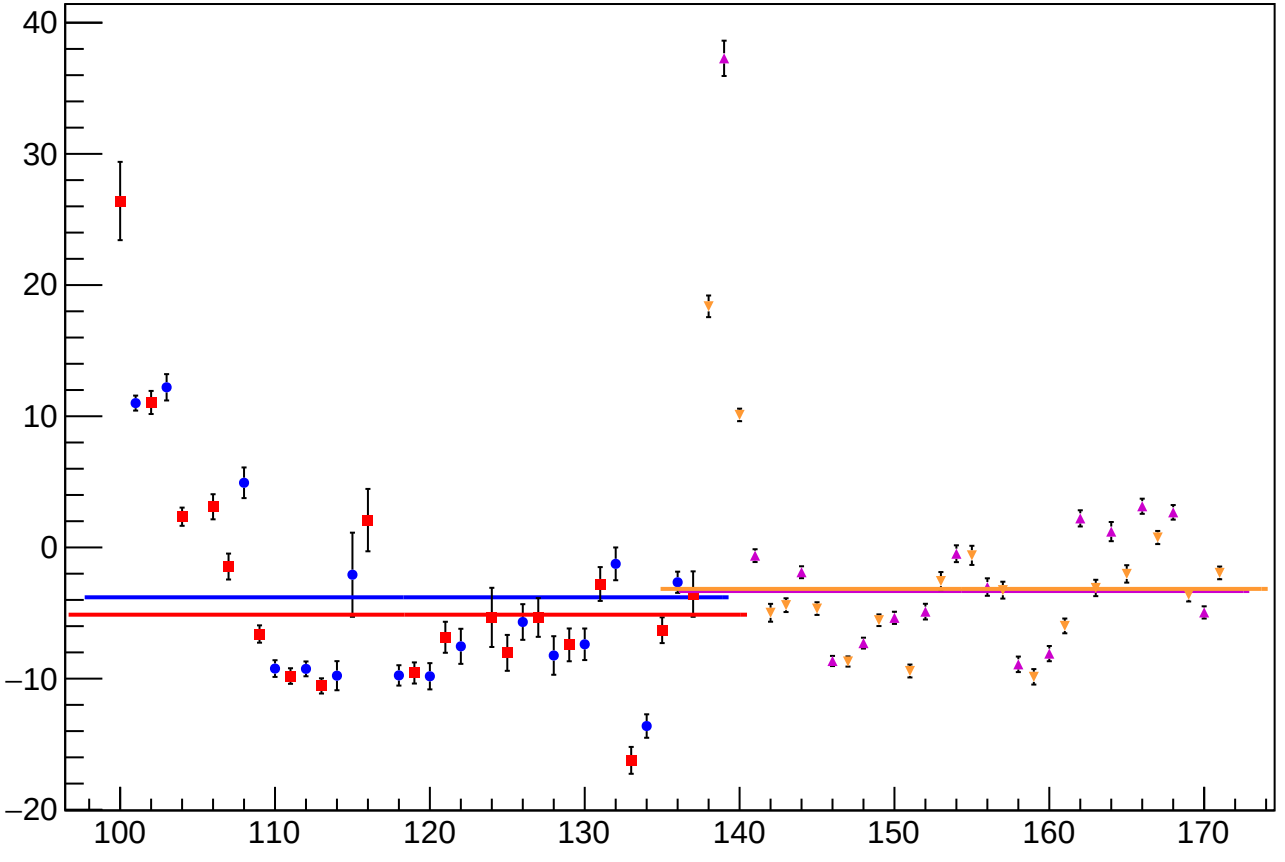
Left In: -16.889+/-0.189 χ^2/NDF:3211.6/15

+ sign -10.455+/-0.132 χ^2/NDF: 7850.6/33

All: -9.191+/-0.091 χ^2/NDF: 16669.2/68

- sign -8.026+/-0.127 χ^2/NDF: 8642.2/34

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.160+/-0.128 χ^2/NDF:2105.9/17

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

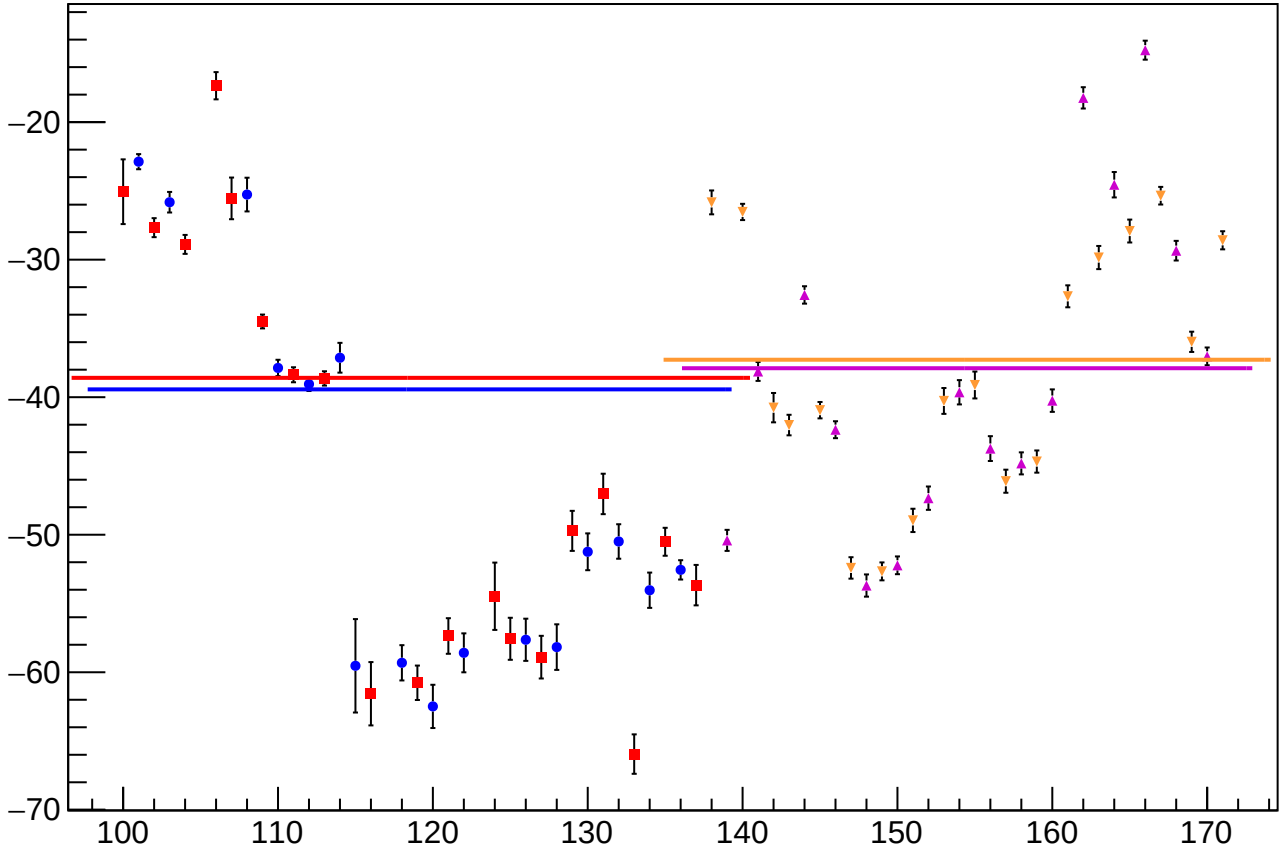
Left In: -3.323+/-0.134 χ^2/NDF:1807.0/15

+ sign -3.316+/-0.111 χ^2/NDF: 3537.5/33

All: -3.559+/-0.080 χ^2/NDF: 6384.2/68

- sign -3.817+/-0.115 χ^2/NDF: 2836.8/34

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.276+/-0.179 χ^2/NDF:2688.5/17

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

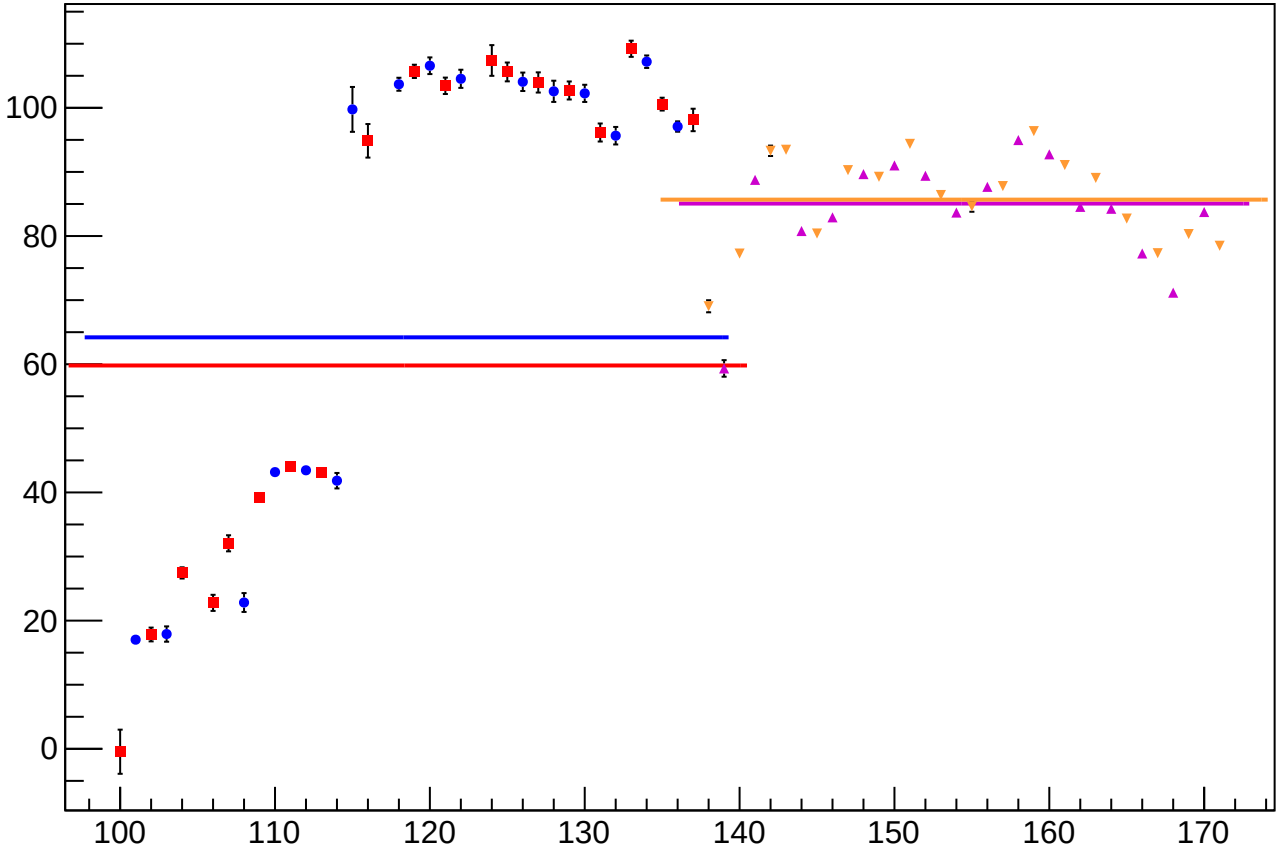
Left In: -37.893+/-0.185 χ^2/NDF:3637.4/15

+ sign -38.109+/-0.140 χ^2/NDF: 5702.7/33

All: -38.152+/-0.099 χ^2/NDF: 12118.7/68

- sign -38.195+/-0.140 χ^2/NDF: 6415.7/34

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 85.679+/-0.148 χ^2/NDF:2109.6/17

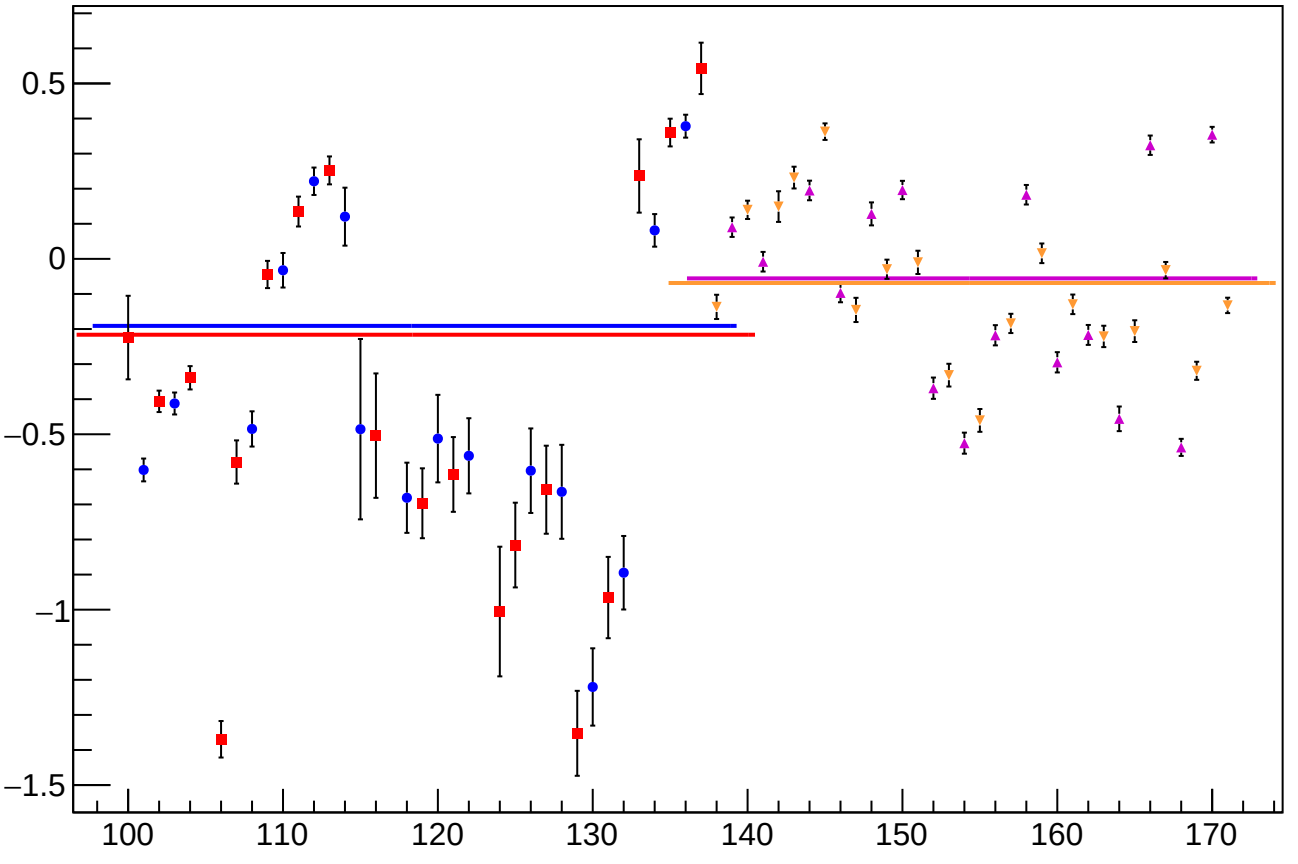
Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.066+/-0.155 χ^2/NDF:1796.2/15

+ sign 80.347+/-0.128 χ^2/NDF: 25939.0/33

All: 79.206+/-0.092 χ^2/NDF: 52760.5/68

- sign 78.008+/-0.131 χ^2/NDF: 26659.2/34



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.069+/-0.007 χ^2/NDF:924.1/17

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

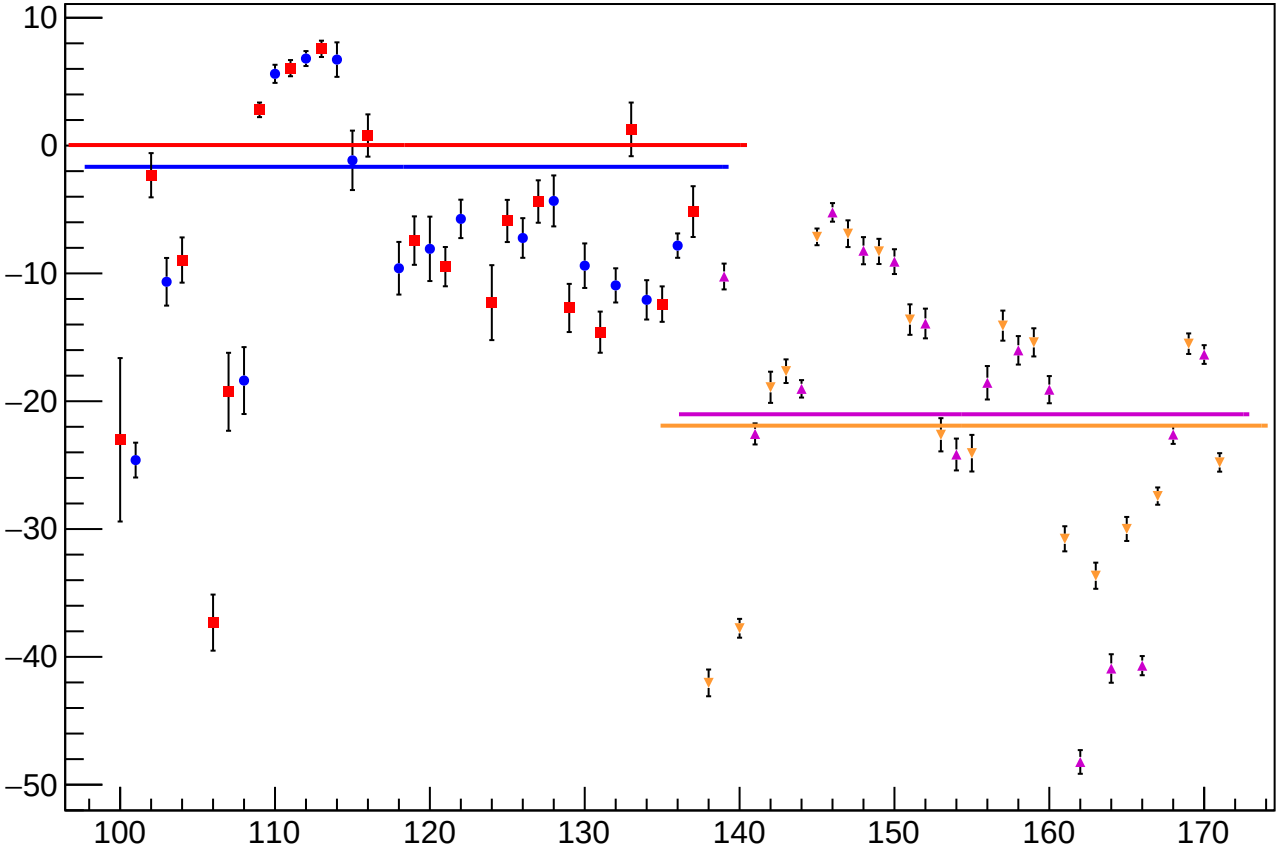
Left In: -0.056+/-0.007 χ^2/NDF:1844.1/15

+ sign -0.093+/-0.006 χ^2/NDF: 1908.7/33

All: -0.093+/-0.004 χ^2/NDF: 5240.3/68

- sign -0.092+/-0.006 χ^2/NDF: 3331.6/34

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -21.910+/-0.218 χ^2/NDF:2331.3/17

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

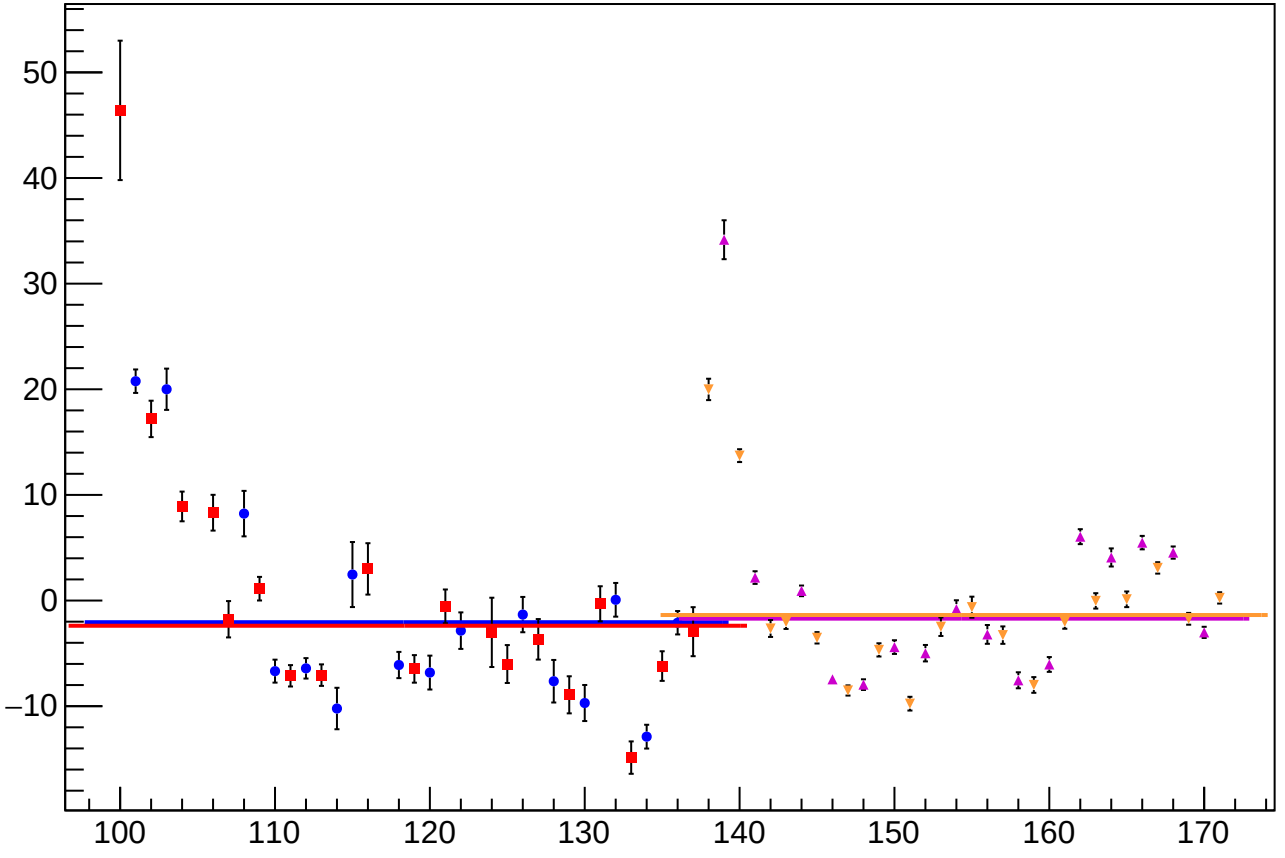
Left In: -21.020+/-0.226 χ^2/NDF:2875.3/15

+ sign -15.141+/-0.178 χ^2/NDF: 6107.8/33

All: -13.946+/-0.125 χ^2/NDF: 13400.0/68

- sign -12.774+/-0.176 χ^2/NDF: 7203.1/34

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.370+/-0.155 χ^2/NDF:1667.2/17

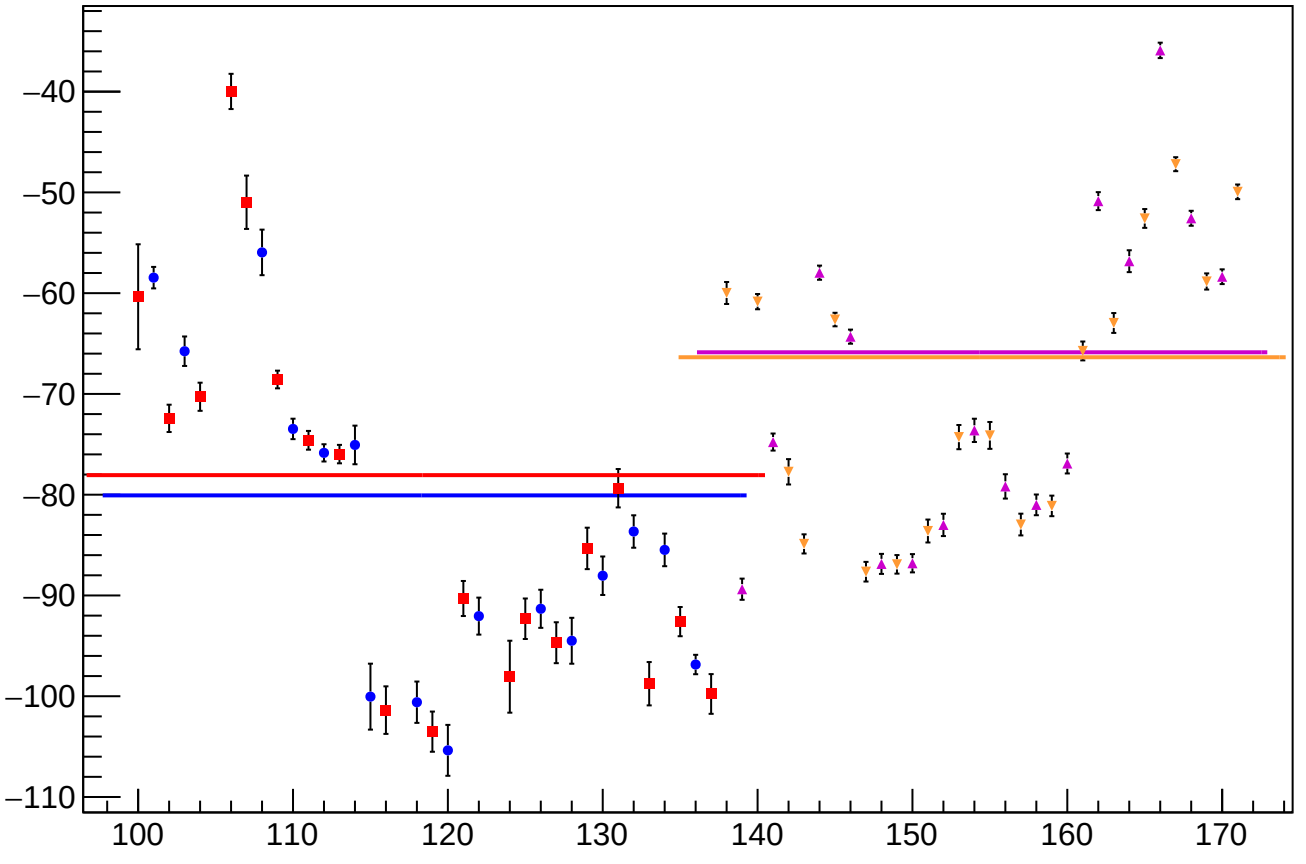
Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.713+/-0.160 χ^2/NDF:1331.1/15

+ sign -1.478+/-0.142 χ^2/NDF: 2442.1/33

All: -1.647+/-0.102 χ^2/NDF: 4230.1/68

- sign -1.826+/-0.146 χ^2/NDF: 1785.0/34



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -66.360+/-0.216 χ^2/NDF:3897.3/17

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

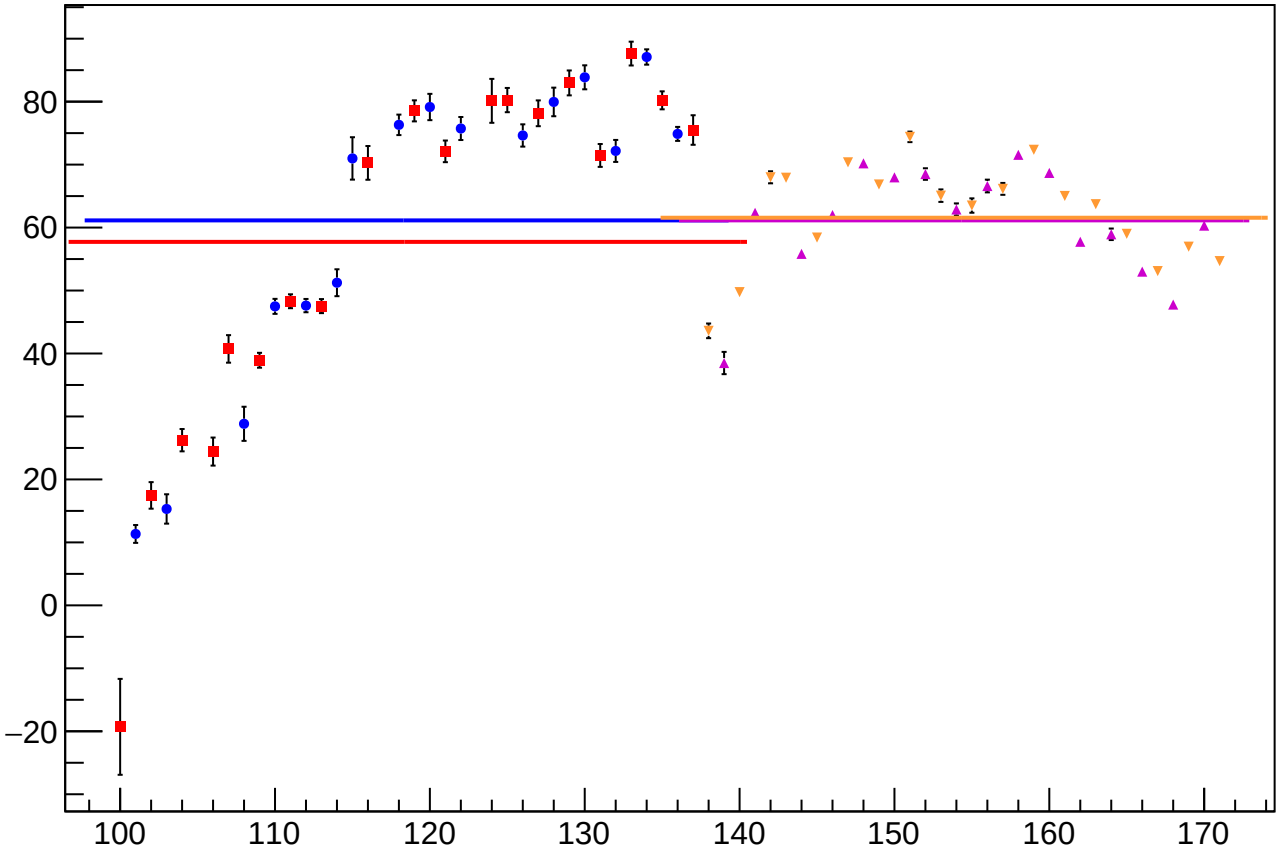
Left In: -65.867+/-0.222 χ^2/NDF:4779.1/15

+ sign -69.922+/-0.186 χ^2/NDF: 6332.0/33

All: -69.622+/-0.132 χ^2/NDF: 13530.7/68

- sign -69.314+/-0.188 χ^2/NDF: 7193.4/34

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.561+/-0.178 χ^2/NDF:1765.4/17

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

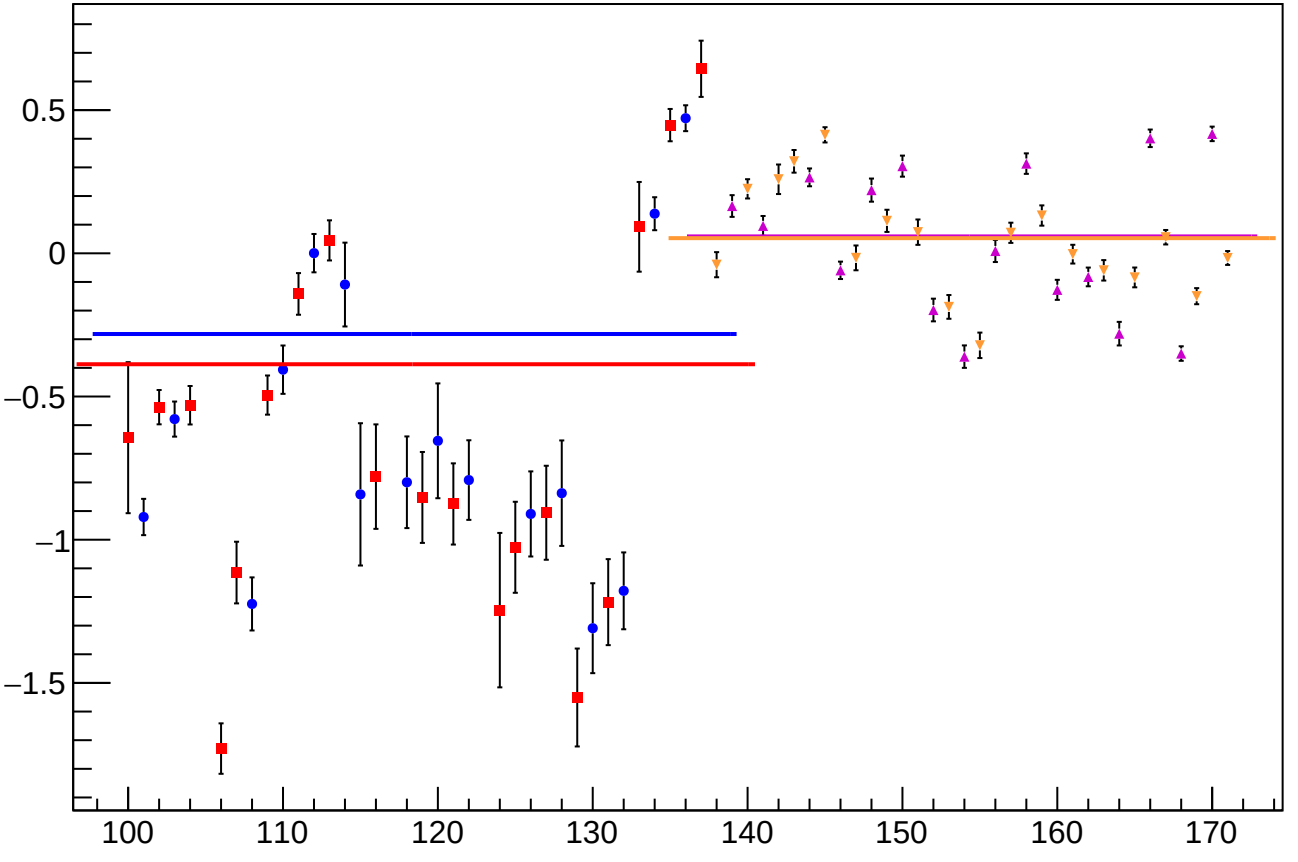
Left In: 61.145+/-0.185 χ^2/NDF:1433.5/15

+ sign 61.492+/-0.163 χ^2/NDF: 4995.6/33

All: 61.033+/-0.117 χ^2/NDF: 9281.4/68

- sign 60.546+/-0.168 χ^2/NDF: 4269.3/34

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.053+/-0.008 χ^2/NDF:479.9/17

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

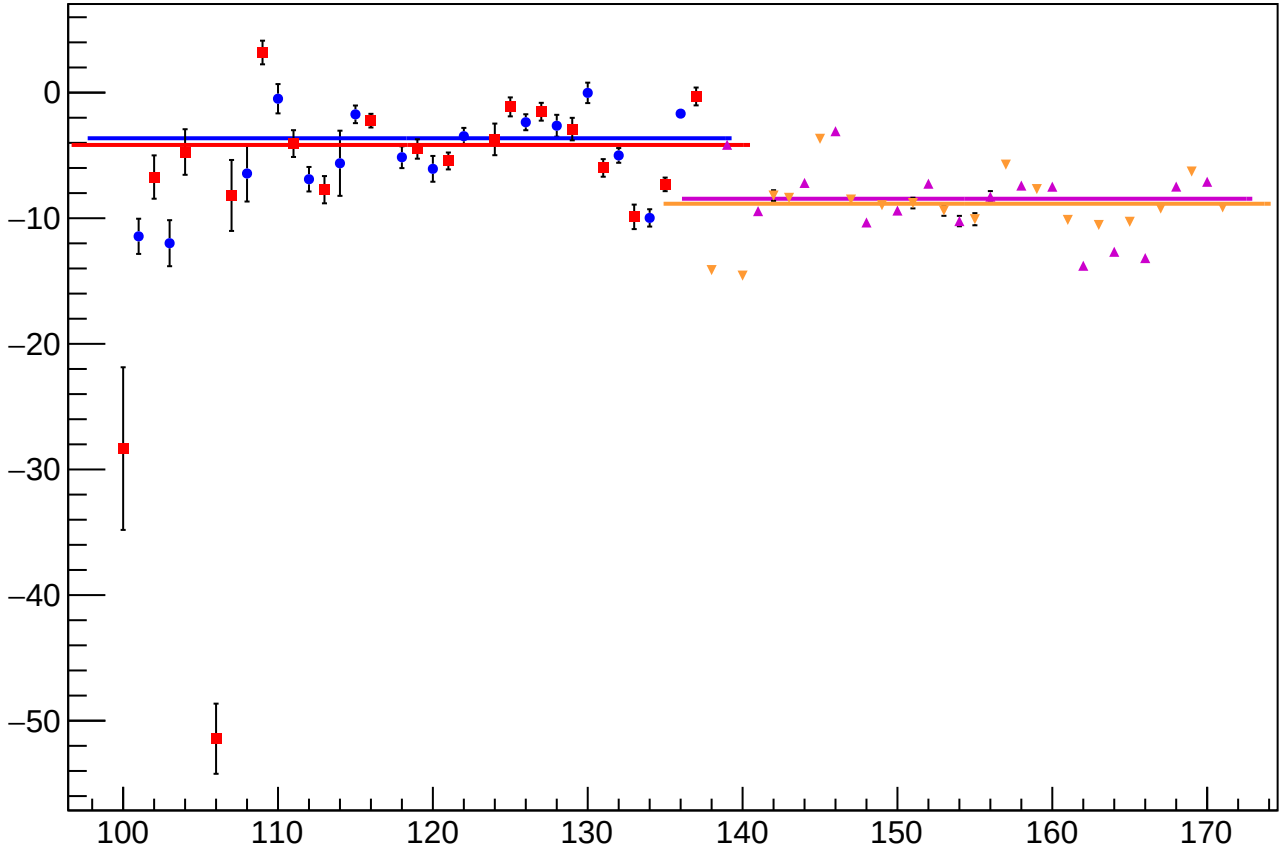
Left In: 0.059+/-0.008 χ^2/NDF:1037.2/15

+ sign 0.012+/-0.008 χ^2/NDF: 1418.2/33

All: 0.007+/-0.005 χ^2/NDF: 3637.2/68

- sign 0.002+/-0.008 χ^2/NDF: 2218.1/34

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.847+/-0.072 χ^2/NDF:1529.7/17

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

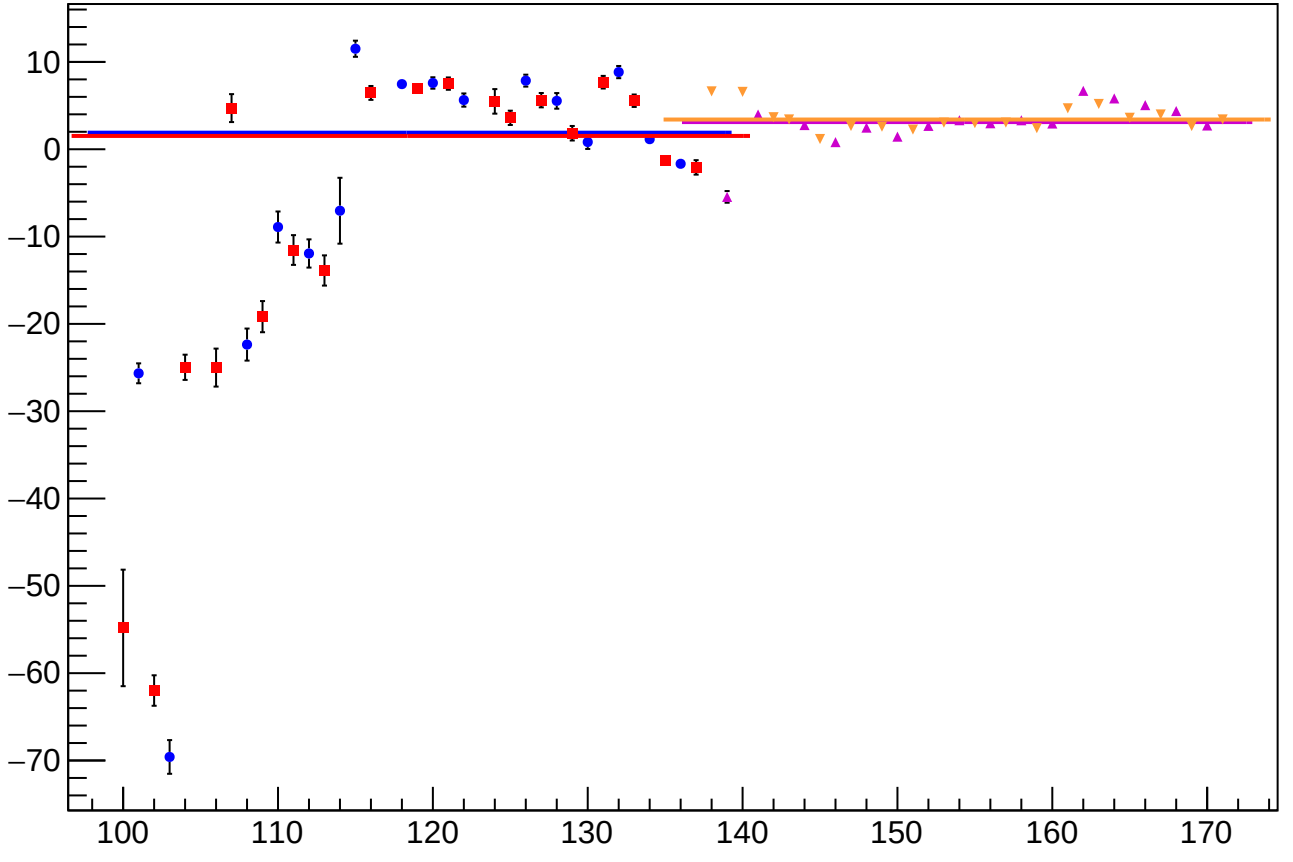
Left In: -8.449+/-0.074 χ^2/NDF:1750.1/15

+ sign -8.191+/-0.067 χ^2/NDF: 2429.3/33

All: -8.066+/-0.048 χ^2/NDF: 5121.7/68

- sign -7.933+/-0.069 χ^2/NDF: 2685.2/34

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+/-0.051 χ^2/NDF:667.8/17

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

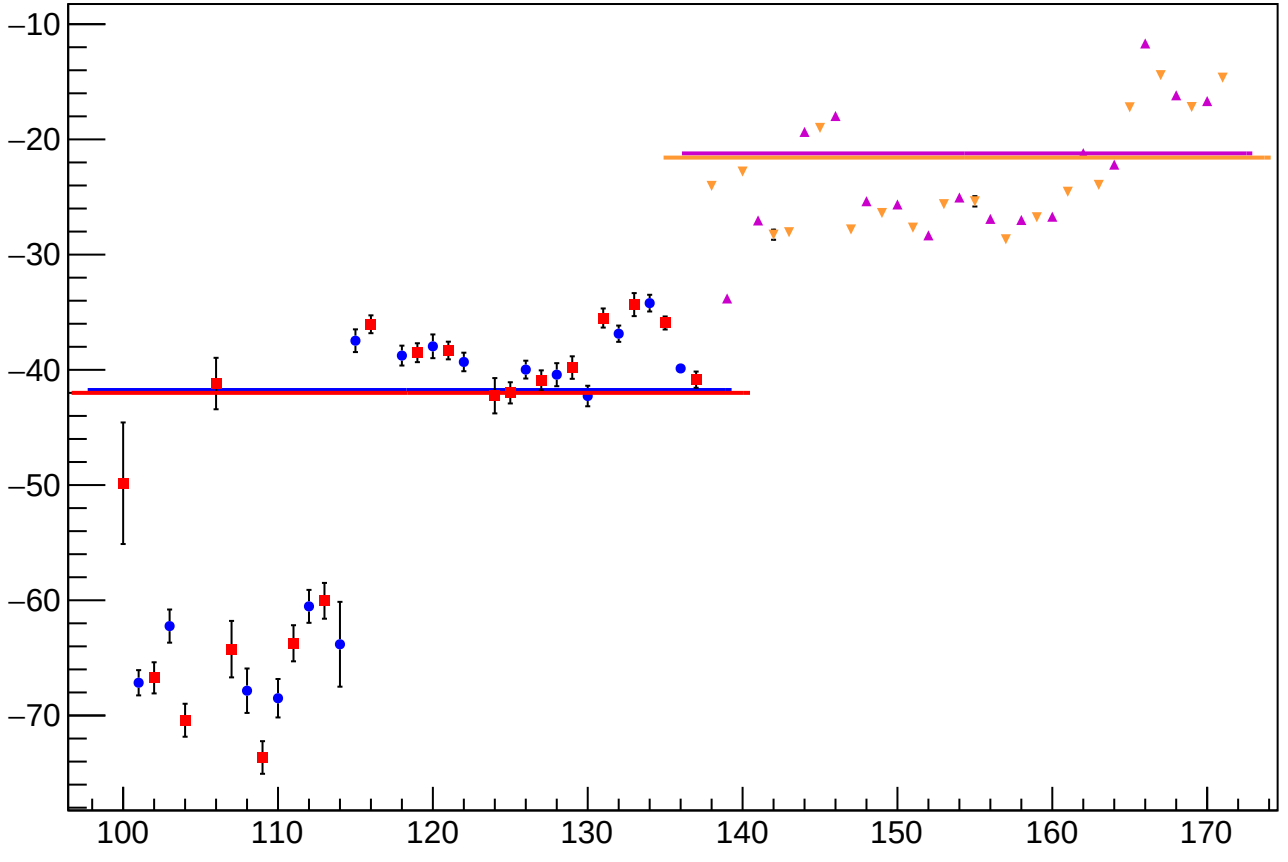
Left In: 3.113+/-0.052 χ^2/NDF:1049.9/15

+ sign 3.302+/-0.049 χ^2/NDF: 3565.2/33

All: 3.164+/-0.035 χ^2/NDF: 7245.5/68

- sign 3.019+/-0.051 χ^2/NDF: 3664.4/34

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -21.579+/-0.071 χ^2/NDF:5136.1/17

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

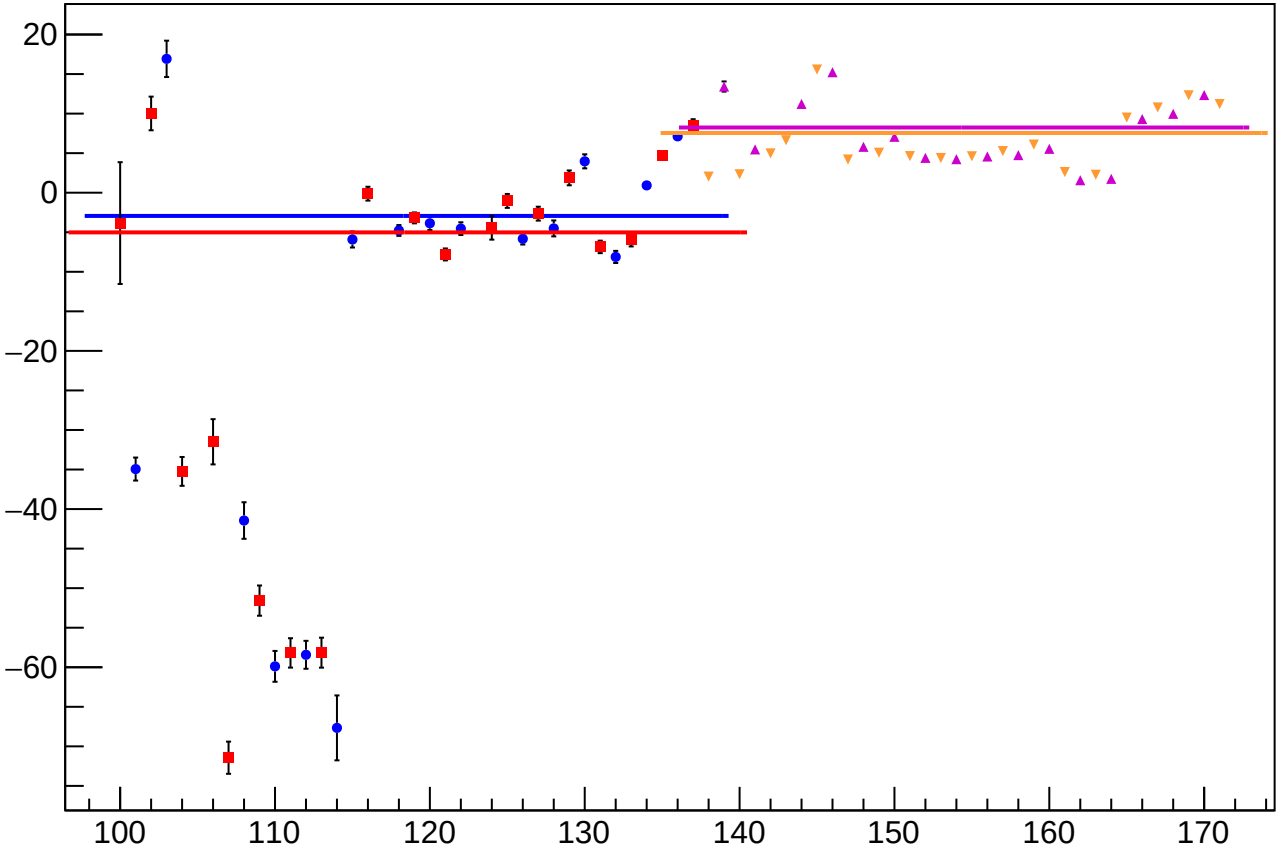
Left In: -21.217+/-0.073 χ^2/NDF:5774.2/15

+ sign -23.690+/-0.067 χ^2/NDF: 15221.0/33

All: -23.414+/-0.048 χ^2/NDF: 30544.0/68

- sign -23.122+/-0.069 χ^2/NDF: 15288.2/34

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 7.550+/-0.058 χ^2/NDF:5210.9/17

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

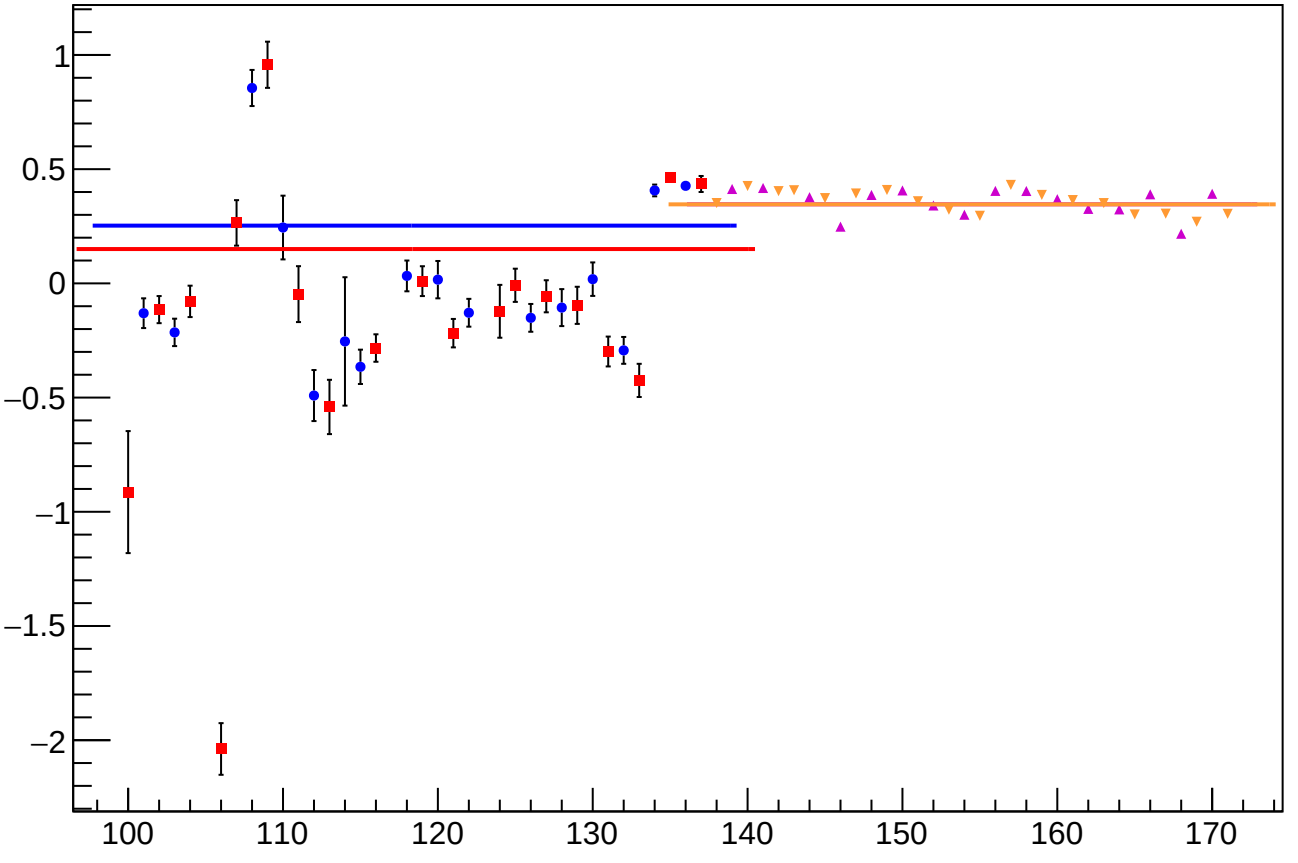
Left In: 8.242+/-0.060 χ^2/NDF:4885.7/15

+ sign 6.796+/-0.056 χ^2/NDF: 11258.2/33

All: 7.090+/-0.040 χ^2/NDF: 23643.5/68

- sign 7.405+/-0.058 χ^2/NDF: 12328.7/34

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.346+/-0.003 χ^2/NDF:348.4/17

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

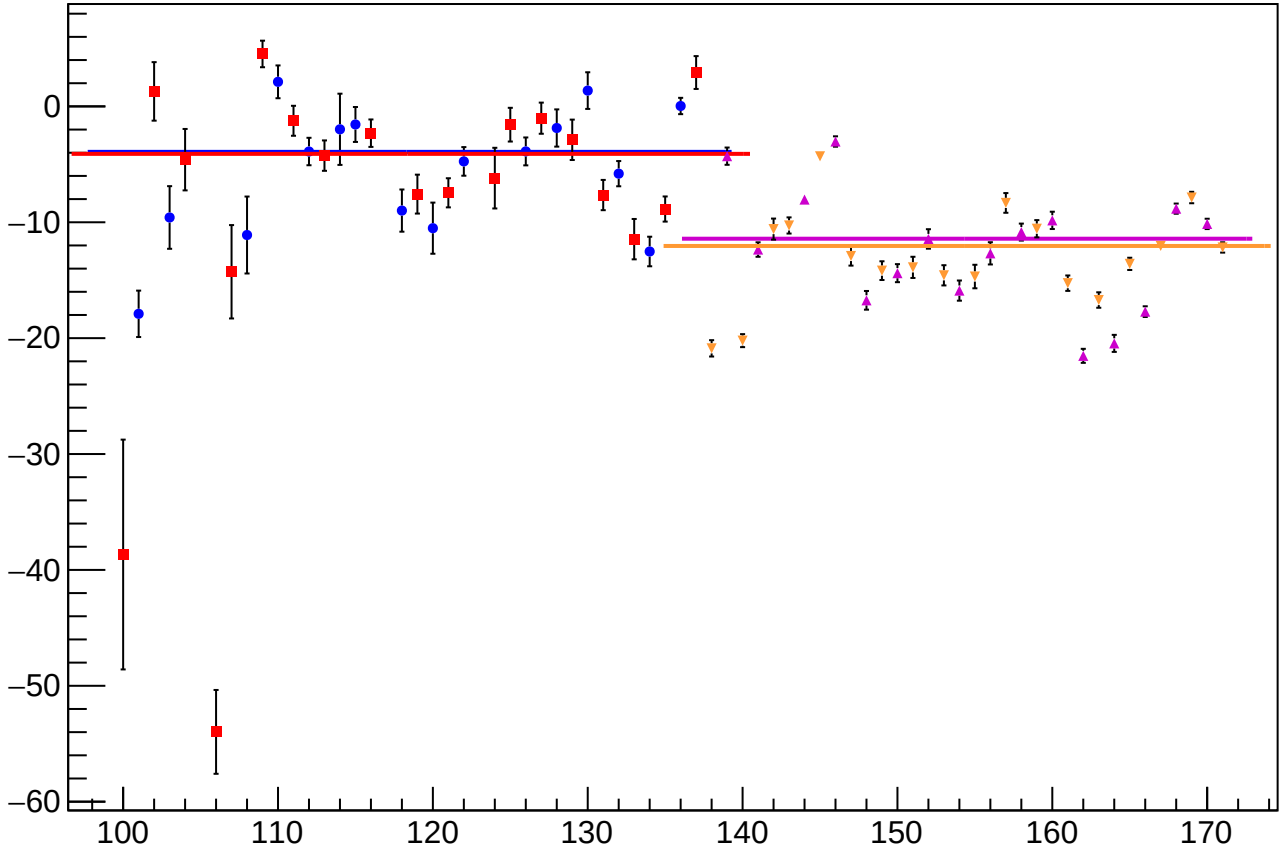
Left In: 0.346+/-0.003 χ^2/NDF:600.0/15

+ sign 0.341+/-0.003 χ^2/NDF: 1042.0/33

All: 0.340+/-0.002 χ^2/NDF: 2867.3/68

- sign 0.338+/-0.003 χ^2/NDF: 1824.6/34

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.044+/-0.145 χ^2/NDF:966.4/17

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

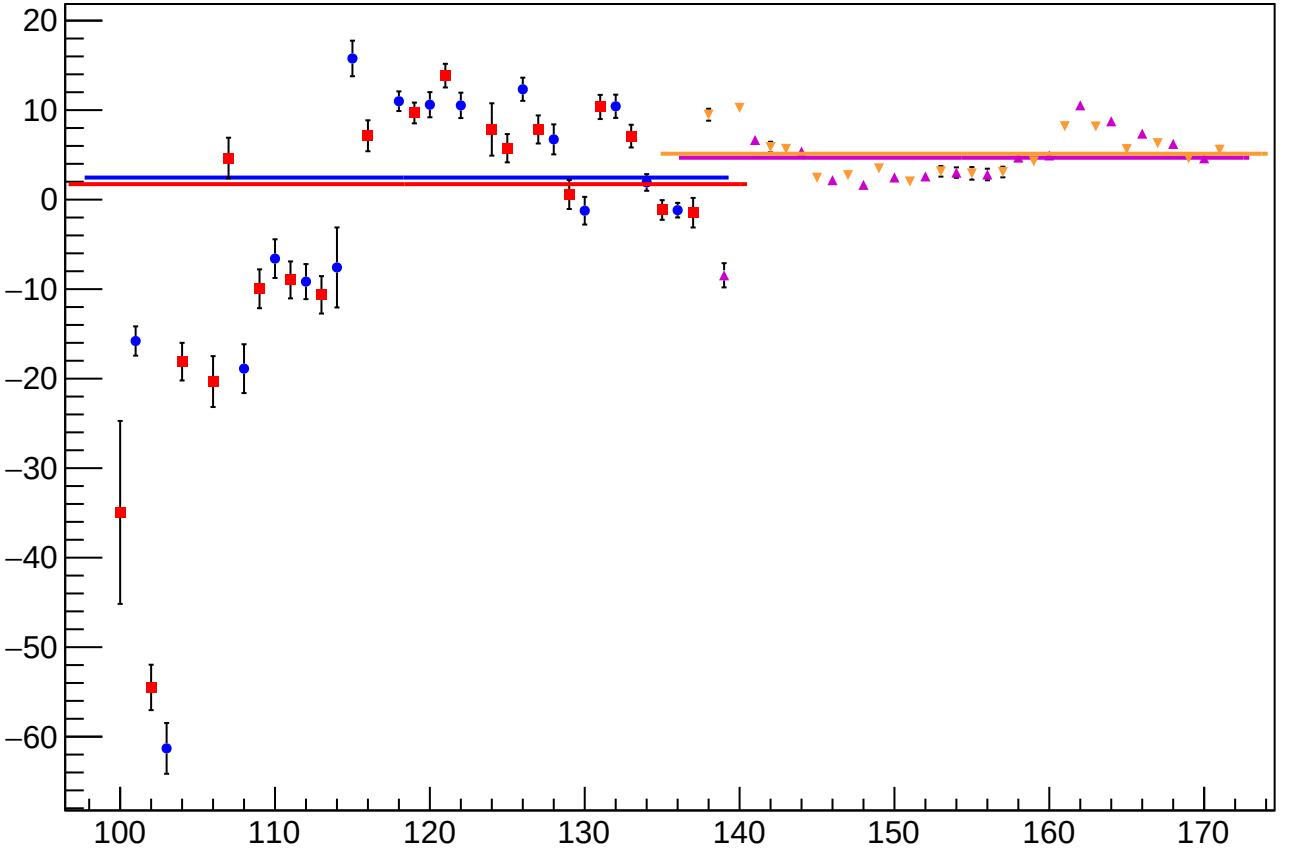
Left In: -11.418+/-0.149 χ^2/NDF:1257.5/15

+ sign -10.834+/-0.134 χ^2/NDF: 1623.9/33

All: -10.589+/-0.096 χ^2/NDF: 3613.7/68

- sign -10.329+/-0.138 χ^2/NDF: 1982.8/34

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.128+/-0.104 χ^2/NDF:471.0/17

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

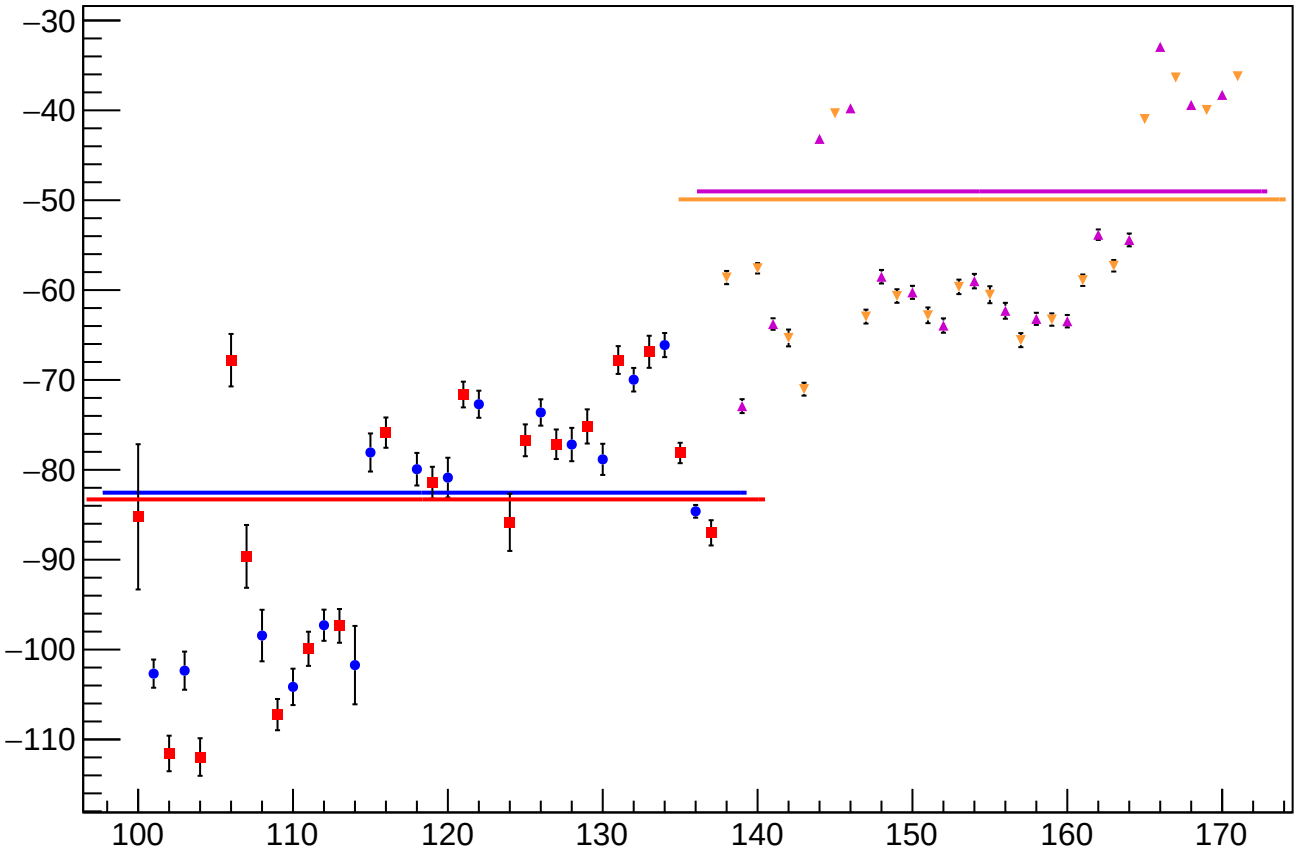
Left In: 4.681+/-0.106 χ^2/NDF:601.6/15

+ sign 4.920+/-0.100 χ^2/NDF: 1569.1/33

All: 4.702+/-0.071 χ^2/NDF: 3218.0/68

- sign 4.475+/-0.102 χ^2/NDF: 1639.1/34

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.909+/-0.144 χ^2/NDF:6768.7/17

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

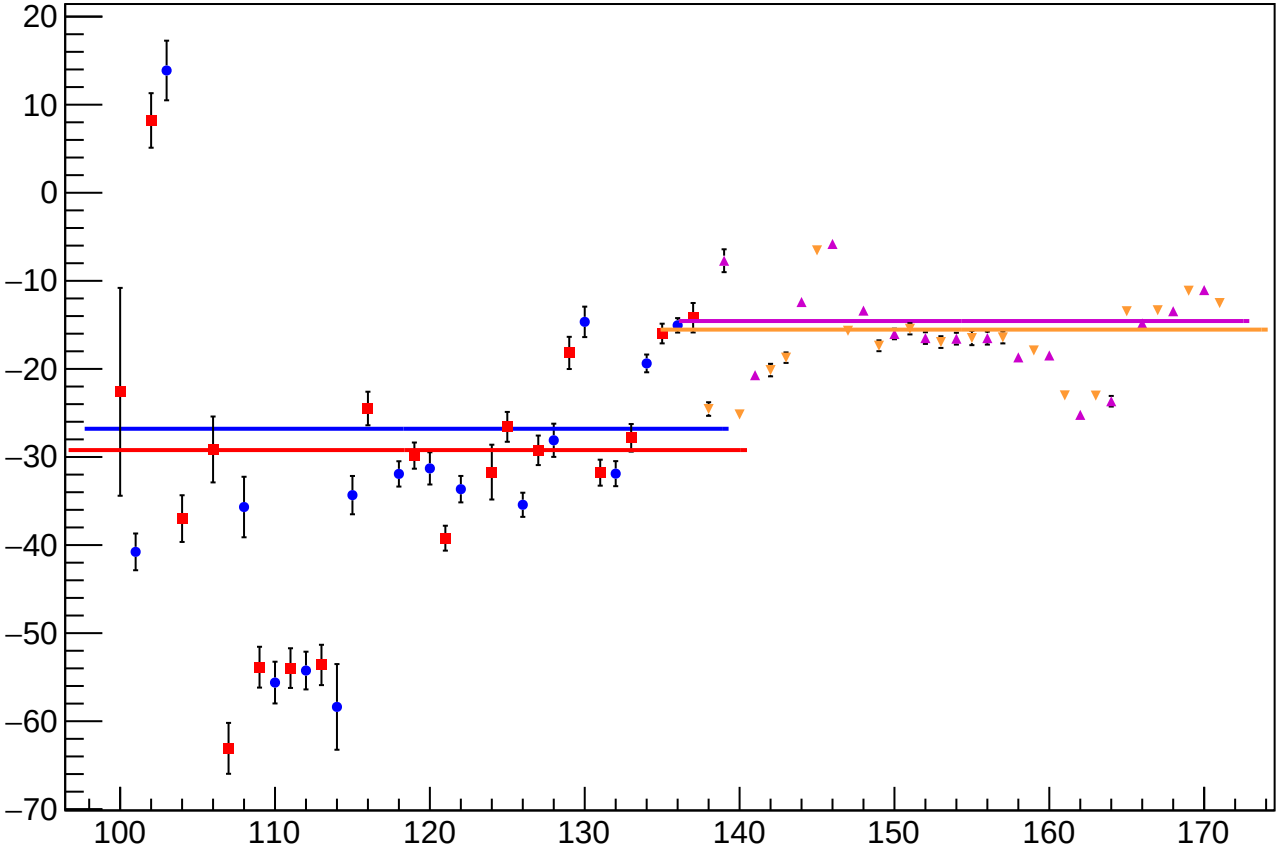
Left In: -49.018+/-0.147 χ^2/NDF:6458.0/15

+ sign -53.913+/-0.135 χ^2/NDF: 13932.9/33

All: -53.393+/-0.097 χ^2/NDF: 27594.9/68

- sign -52.843+/-0.138 χ^2/NDF: 13631.2/34

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.538+/-0.118 χ^2/NDF:1879.5/17

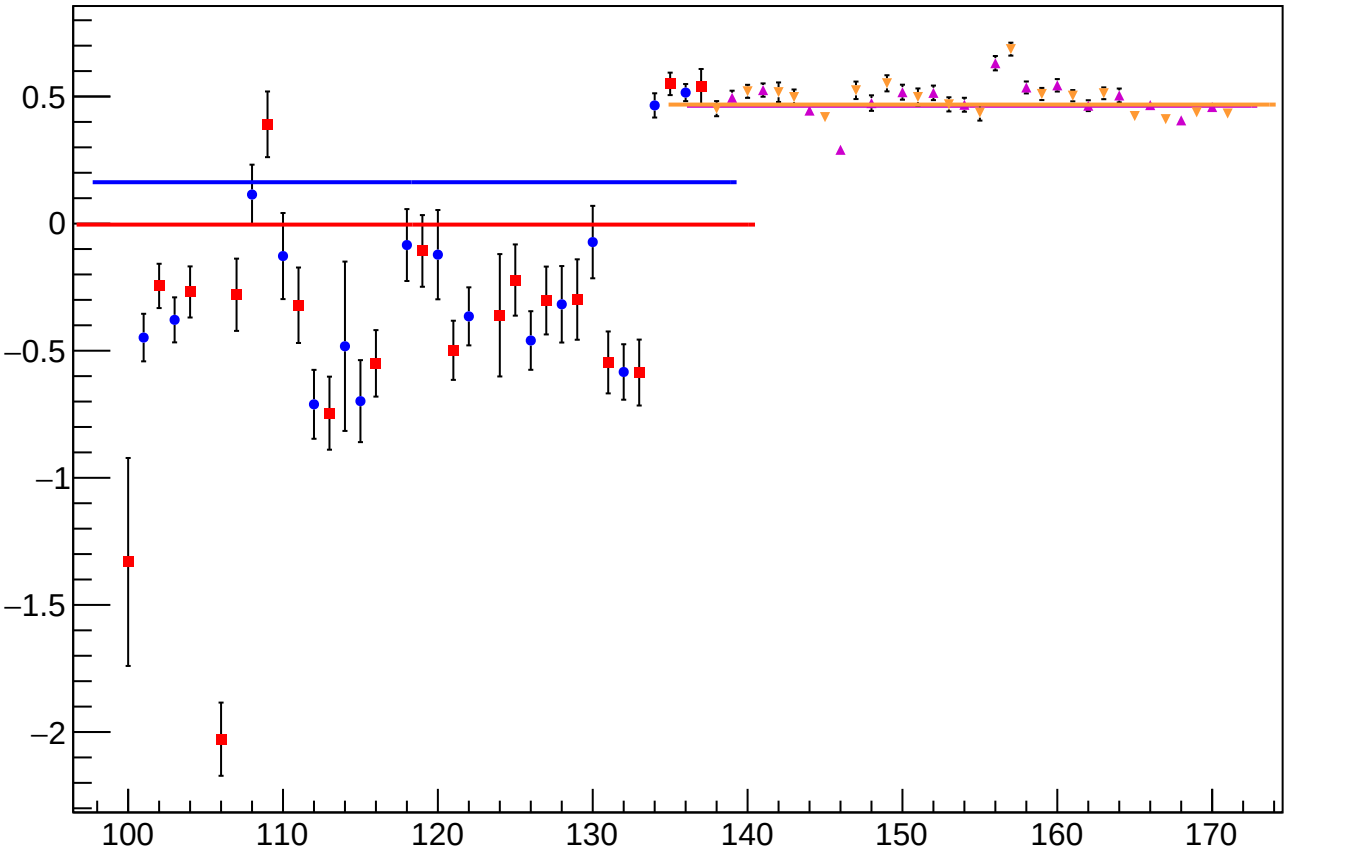
Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.564+/-0.122 χ^2/NDF:1867.5/15

+ sign -16.464+/-0.113 χ^2/NDF: 3586.3/33

All: -16.069+/-0.081 χ^2/NDF: 7509.3/68

- sign -15.647+/-0.117 χ^2/NDF: 3898.0/34



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.468+/-0.005 χ^2/NDF:138.2/17

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

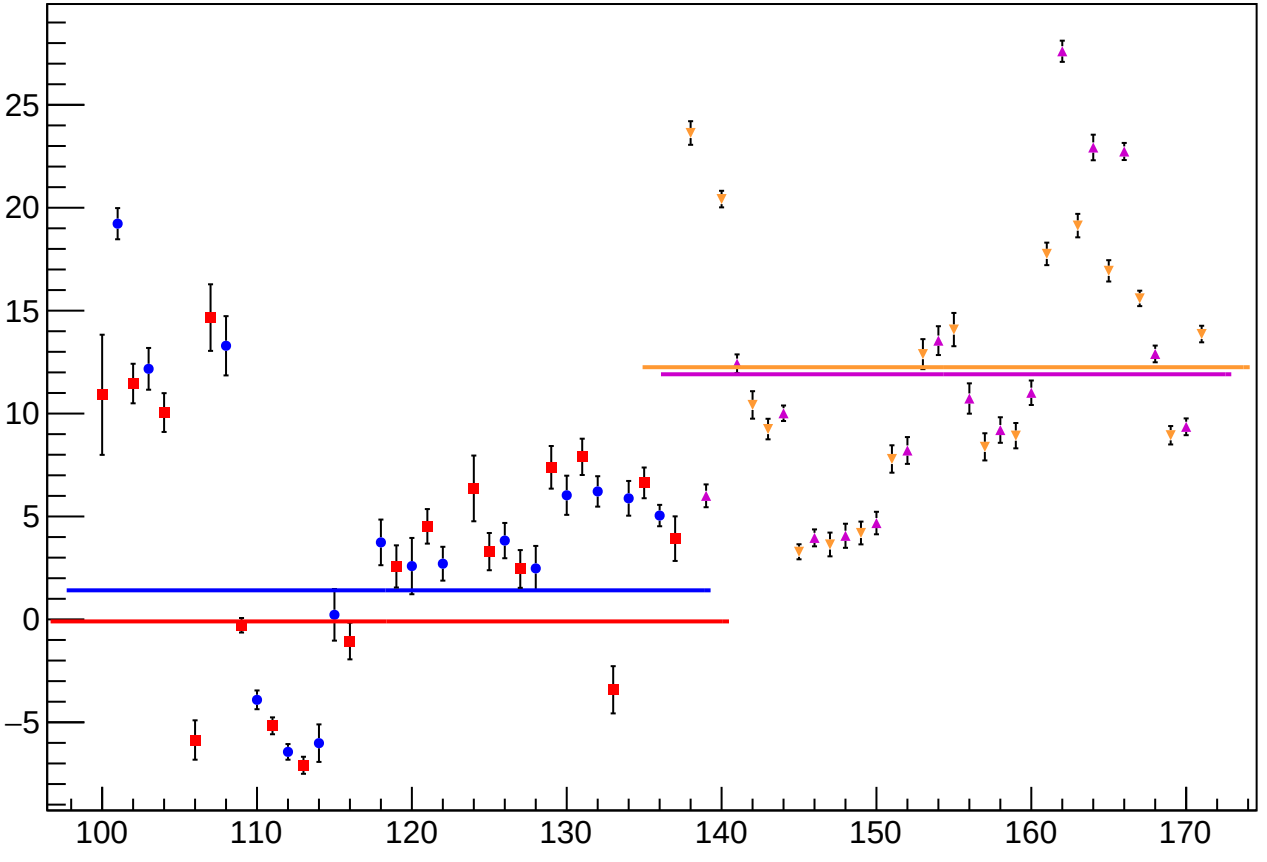
Left In: 0.463+/-0.006 χ^2/NDF:171.6/15

+ sign 0.450+/-0.005 χ^2/NDF: 752.5/33

All: 0.446+/-0.004 χ^2/NDF: 1847.9/68

- sign 0.441+/-0.005 χ^2/NDF: 1093.6/34

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: 12.253+/-0.121 χ^2/NDF:2478.0/17

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

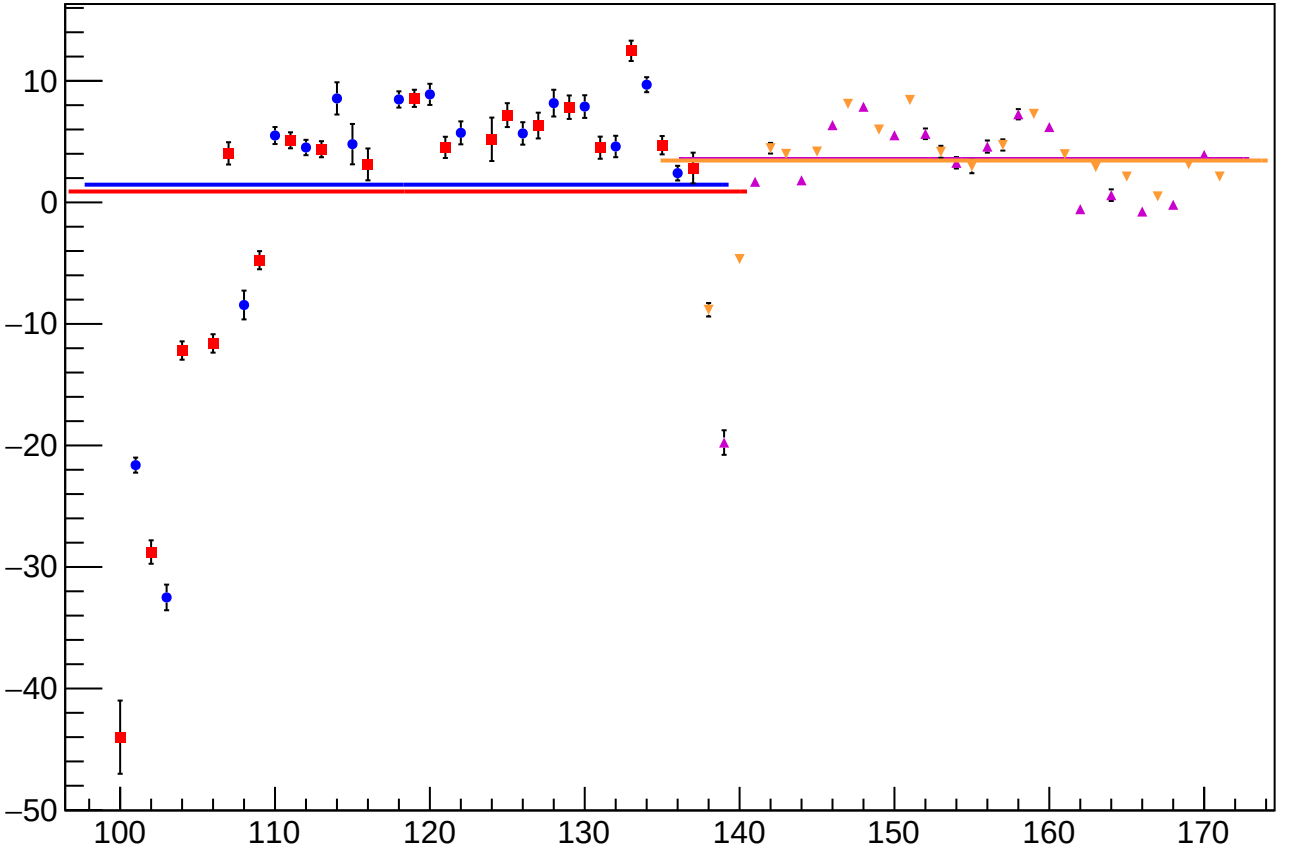
Left In: 11.909+/-0.126 χ^2/NDF:2897.3/15

+ sign 8.955+/-0.101 χ^2/NDF: 6439.4/33

All: 8.264+/-0.071 χ^2/NDF: 13866.9/68

- sign 7.579+/-0.101 χ^2/NDF: 7334.1/34

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.446+/-0.086 χ^2/NDF:1876.9/17

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

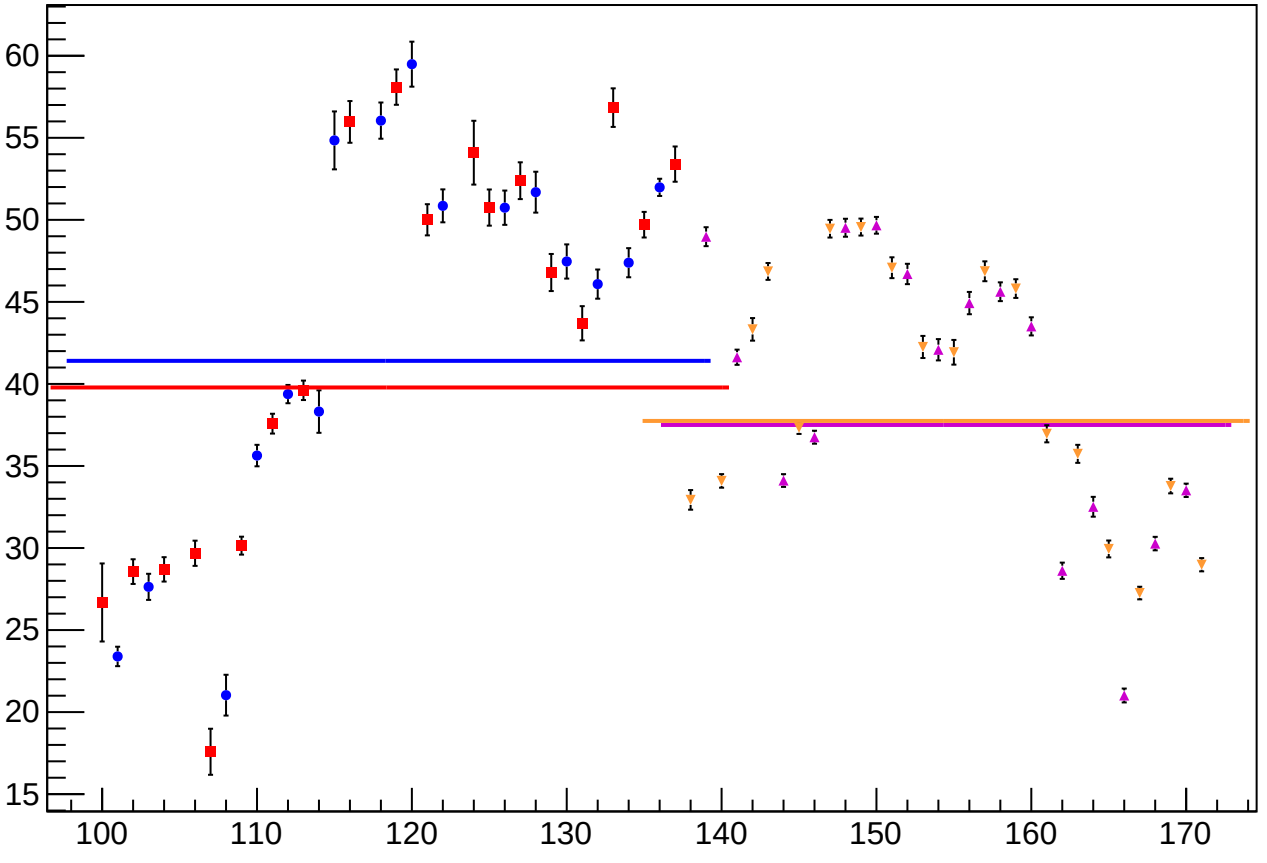
Left In: 3.572+/-0.089 χ^2/NDF:1593.6/15

+ sign 3.147+/-0.079 χ^2/NDF: 5038.2/33

All: 3.143+/-0.057 χ^2/NDF: 9155.9/68

- sign 3.139+/-0.081 χ^2/NDF: 4117.7/34

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: 37.745+/-0.120 χ^2/NDF:3777.8/17

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

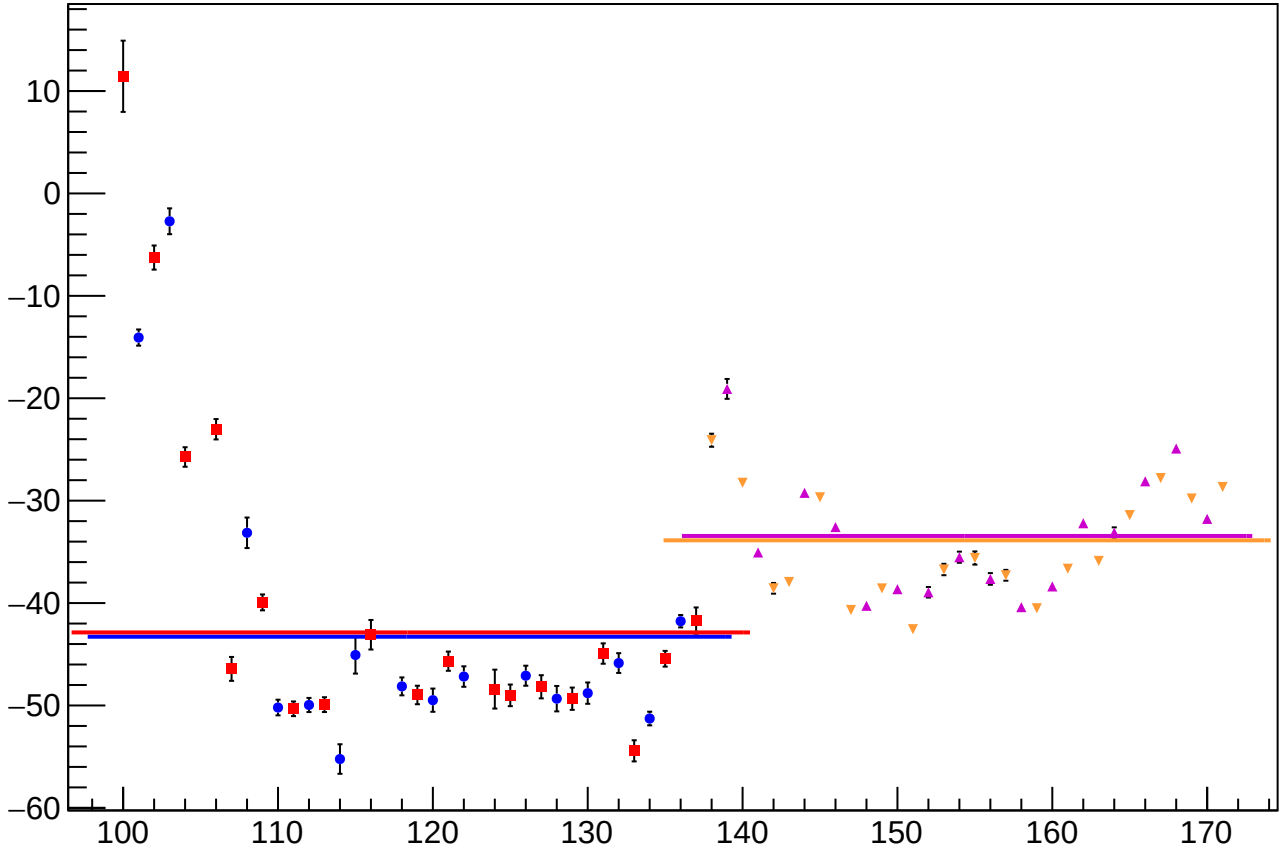
Left In: 37.499+/-0.123 χ^2/NDF:4622.2/15

+ sign 38.640+/-0.104 χ^2/NDF: 6752.2/33

All: 38.382+/-0.074 χ^2/NDF: 14133.2/68

- sign 38.117+/-0.105 χ^2/NDF: 7368.6/34

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: -33.874+/-0.099 χ^2/NDF:2713.8/17

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

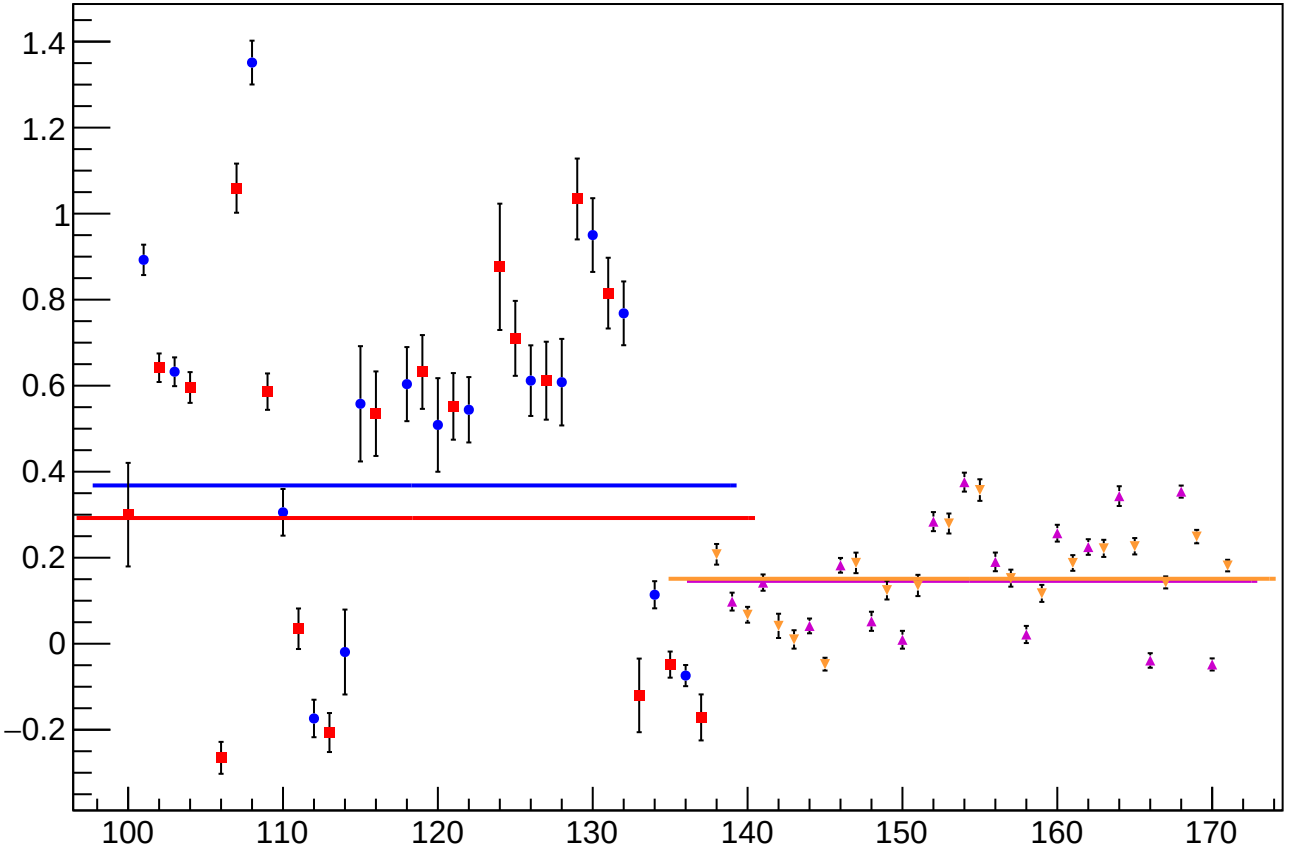
Left In: -33.447+/-0.103 χ^2/NDF:2200.3/15

+ sign -35.345+/-0.091 χ^2/NDF: 7119.9/33

All: -35.188+/-0.065 χ^2/NDF: 13189.7/68

- sign -35.021+/-0.094 χ^2/NDF: 6063.7/34

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: 0.151+/-0.004 χ^2/NDF:445.0/17

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

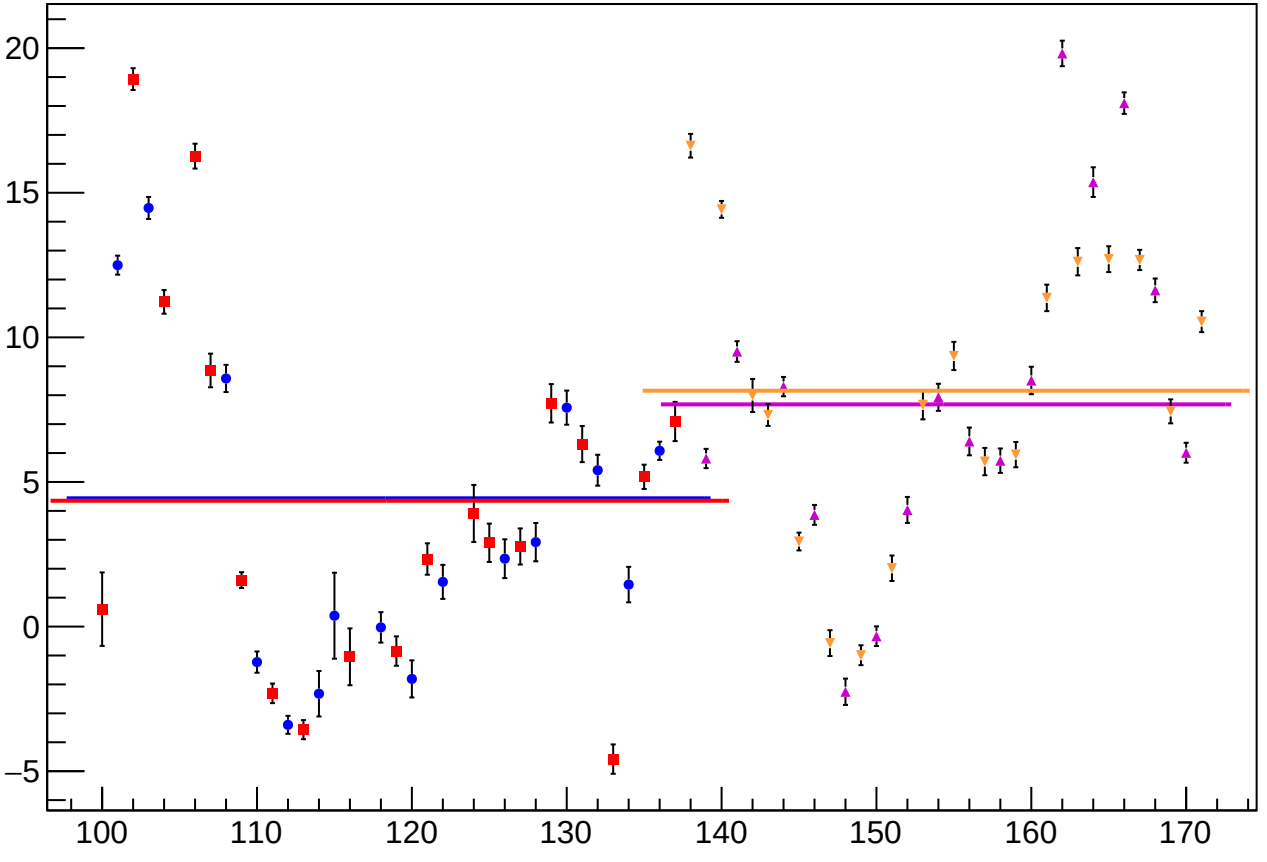
Left In: 0.146+/-0.005 χ^2/NDF:950.3/15

\+ sign 0.177+/-0.004 χ^2/NDF: 2044.5/33

All: 0.171+/-0.003 χ^2/NDF: 4324.8/68

\- sign 0.165+/-0.004 χ^2/NDF: 2276.5/34

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: 8.155+/-0.095 χ^2/NDF:2982.4/17

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

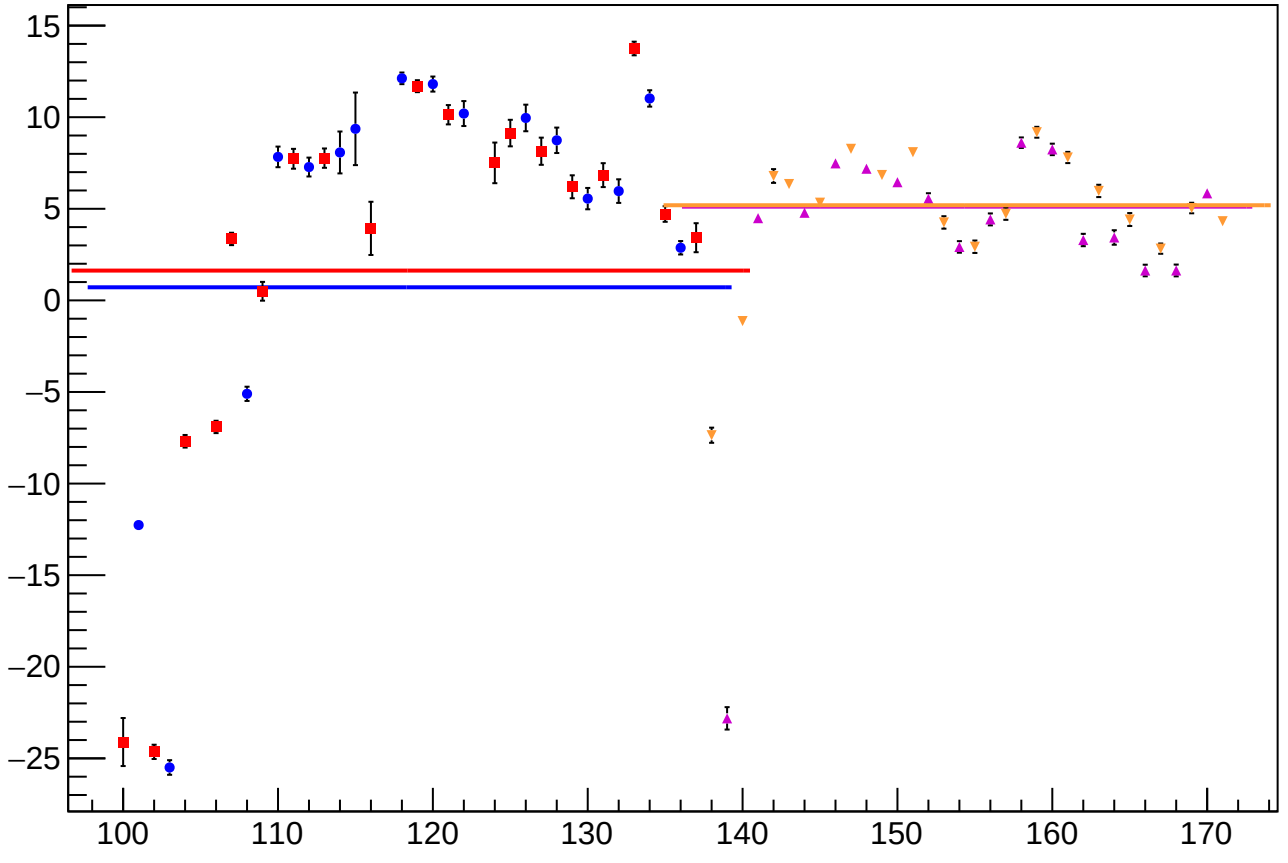
Left In: 7.683+/-0.099 χ^2/NDF:3194.6/15

+ sign 6.675+/-0.074 χ^2/NDF: 6213.7/33

All: 6.426+/-0.052 χ^2/NDF: 14148.4/68

- sign 6.180+/-0.073 χ^2/NDF: 7912.0/34

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: 5.194+/-0.067 χ^2/NDF:2435.9/17

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

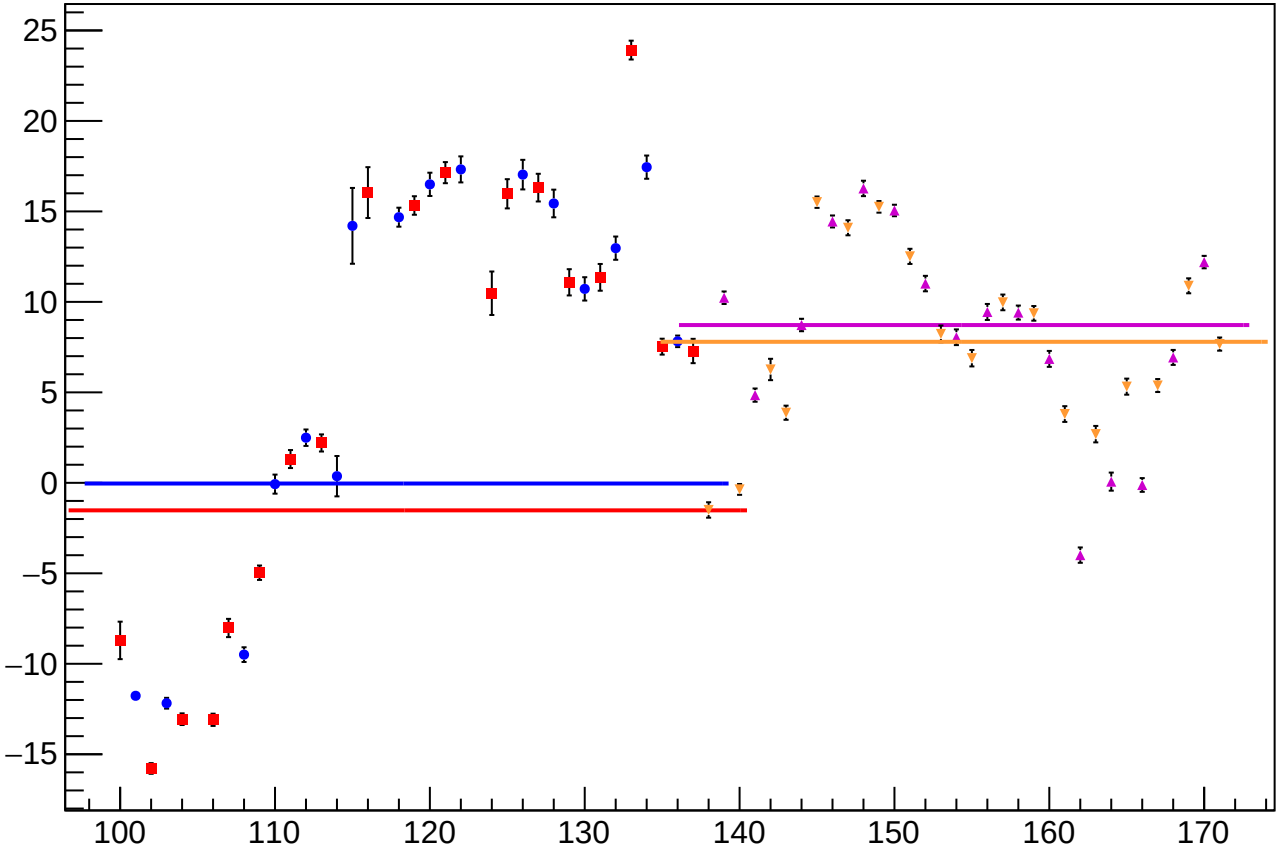
Left In: 5.116+/-0.071 χ^2/NDF:2936.2/15

+ sign 4.069+/-0.058 χ^2/NDF: 14007.8/33

All: 4.088+/-0.042 χ^2/NDF: 26901.9/68

- sign 4.108+/-0.060 χ^2/NDF: 12894.0/34

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: 7.794+/-0.093 χ^2/NDF:3202.8/17

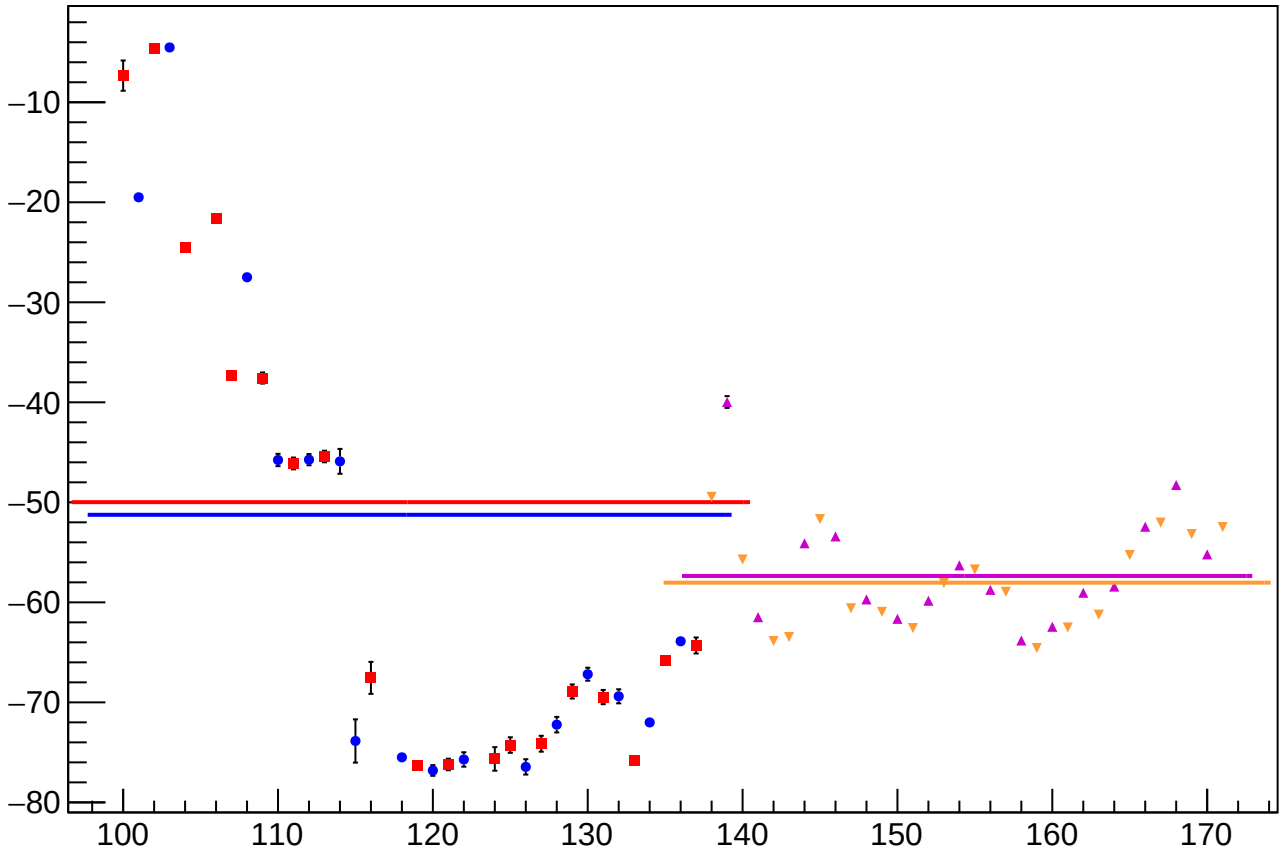
Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.720+/-0.097 χ^2/NDF:3056.2/15

+ sign 4.817+/-0.074 χ^2/NDF: 15145.9/33

All: 4.653+/-0.052 χ^2/NDF: 34988.0/68

- sign 4.488+/-0.074 χ^2/NDF: 19832.2/34



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.030+/-0.078 χ^2/NDF:3476.2/17

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

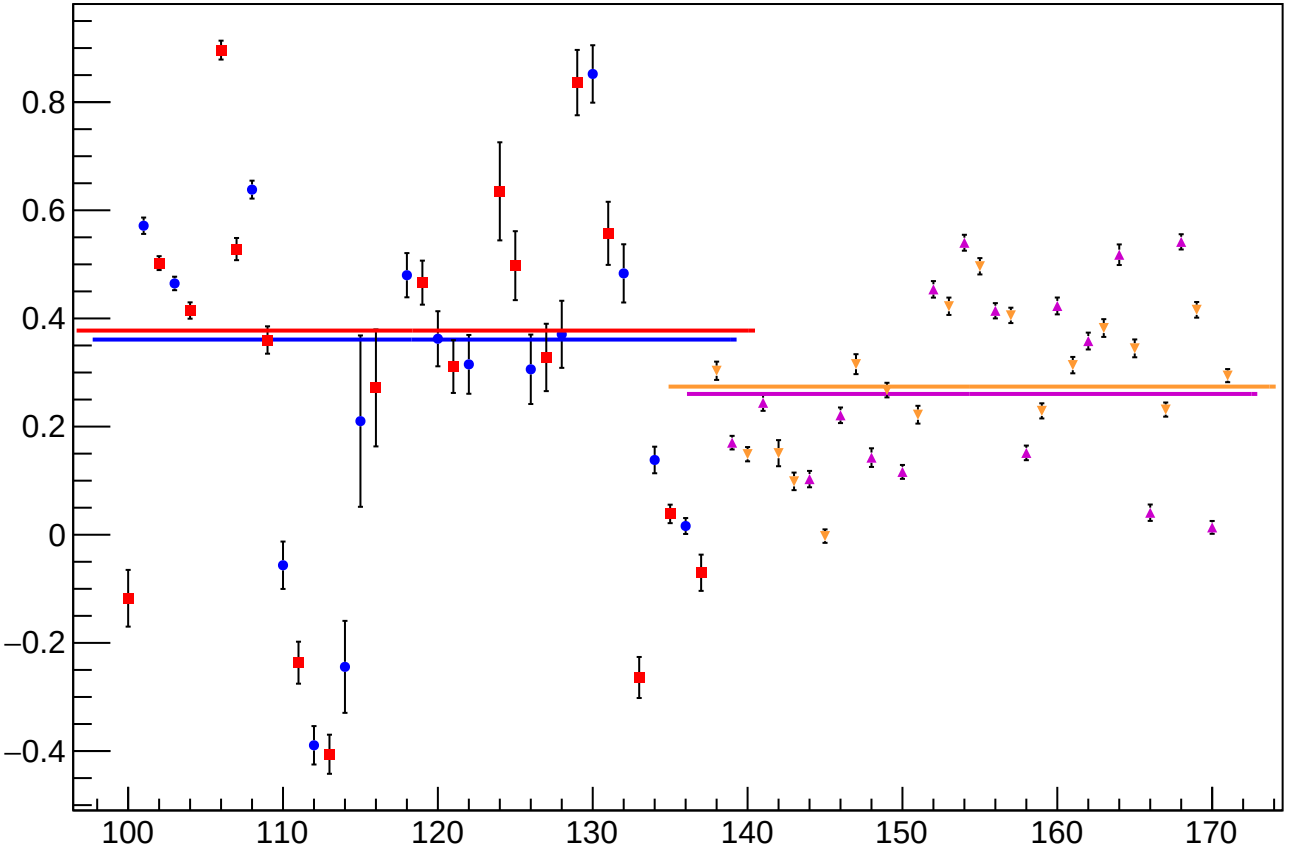
Left In: -57.361+/-0.081 χ^2/NDF:3378.9/15

+ sign -56.359+/-0.067 χ^2/NDF: 39123.4/33

All: -55.842+/-0.048 χ^2/NDF: 78812.2/68

- sign -55.299+/-0.069 χ^2/NDF: 39568.2/34

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: 0.274+/-0.004 χ^2/NDF:1319.0/17

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

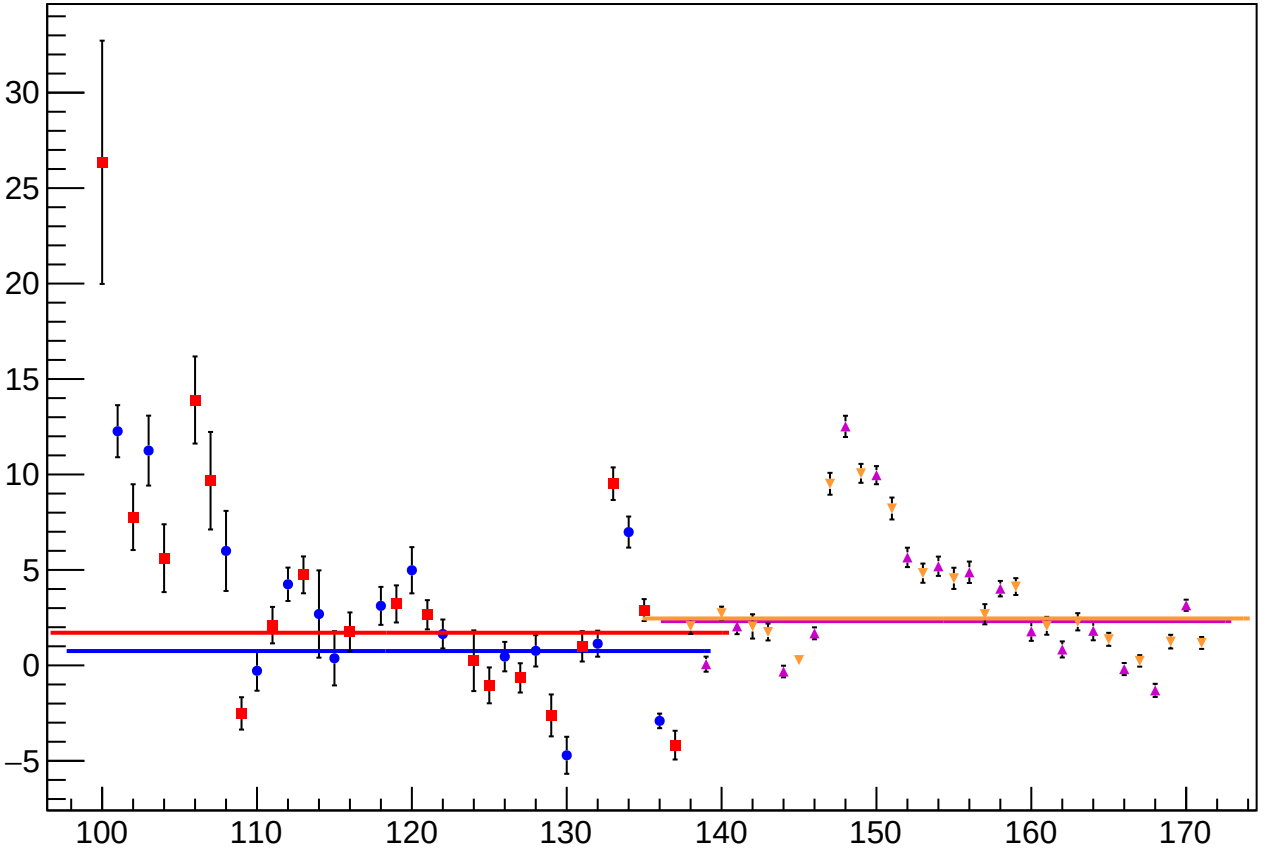
Left In: 0.260+/-0.004 χ^2/NDF:2414.7/15

\+ sign 0.294+/-0.003 χ^2/NDF: 3322.1/33

All: 0.293+/-0.002 χ^2/NDF: 8799.9/68

\- sign 0.291+/-0.003 χ^2/NDF: 5477.2/34

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: 2.458+/-0.096 χ^2/NDF:705.8/17

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

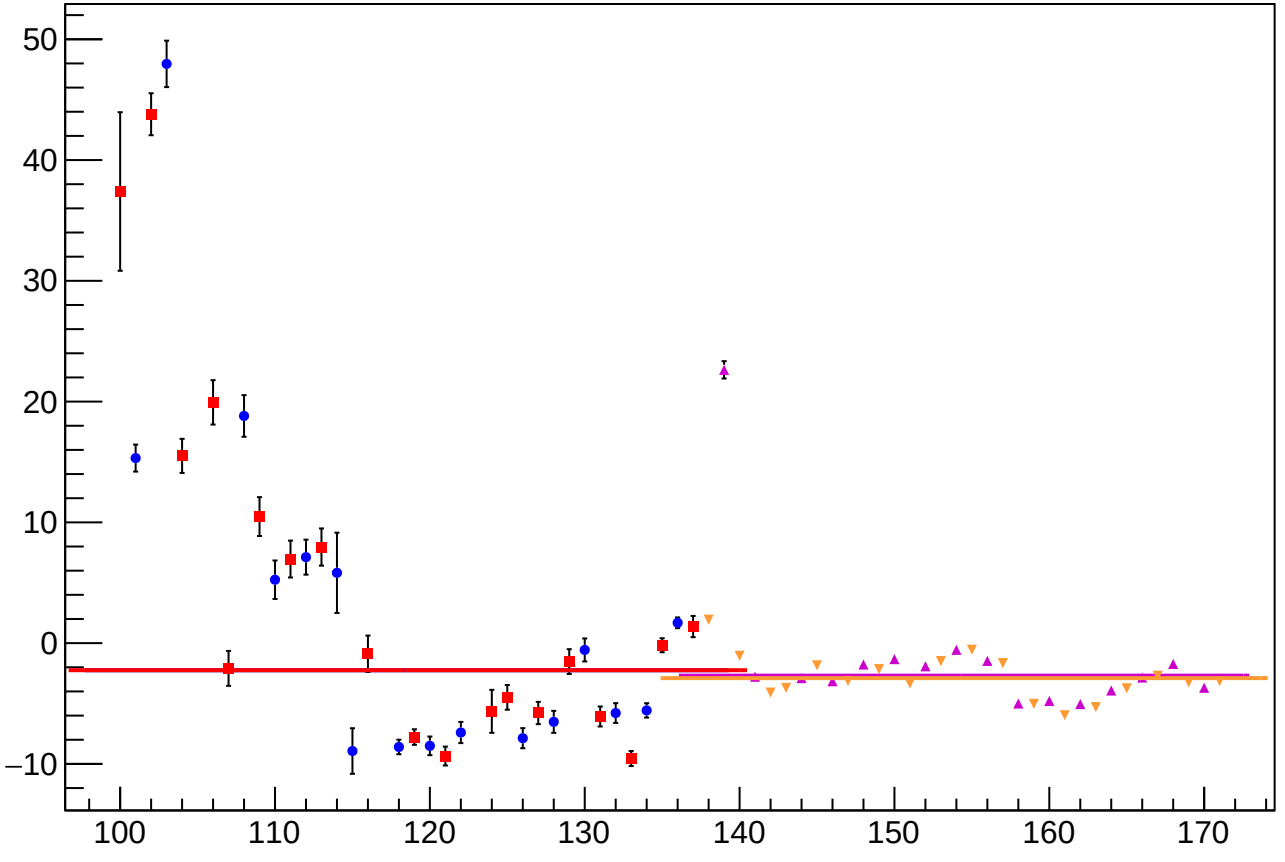
Left In: 2.319+/-0.099 χ^2/NDF:1017.8/15

+ sign 2.171+/-0.087 χ^2/NDF: 1089.6/33

All: 2.194+/-0.063 χ^2/NDF: 2407.6/68

- sign 2.218+/-0.091 χ^2/NDF: 1317.8/34

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: -2.898+/-0.069 χ^2/NDF:521.1/17

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

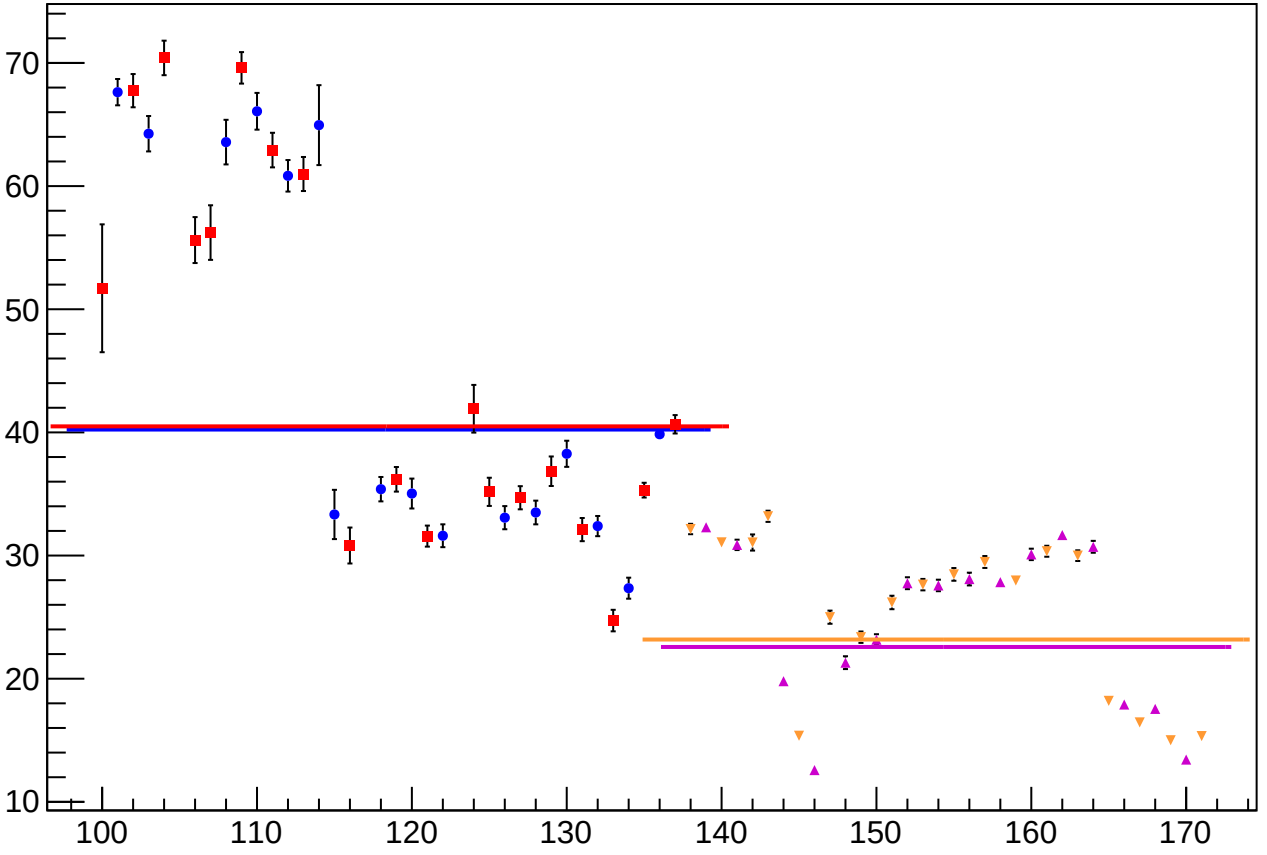
Left In: -2.692+/-0.071 χ^2/NDF:1546.2/15

+ sign -2.837+/-0.066 χ^2/NDF: 2101.9/33

All: -2.748+/-0.047 χ^2/NDF: 5211.1/68

- sign -2.652+/-0.068 χ^2/NDF: 3105.4/34

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: 23.181+/-0.095 χ^2/NDF:5277.8/17

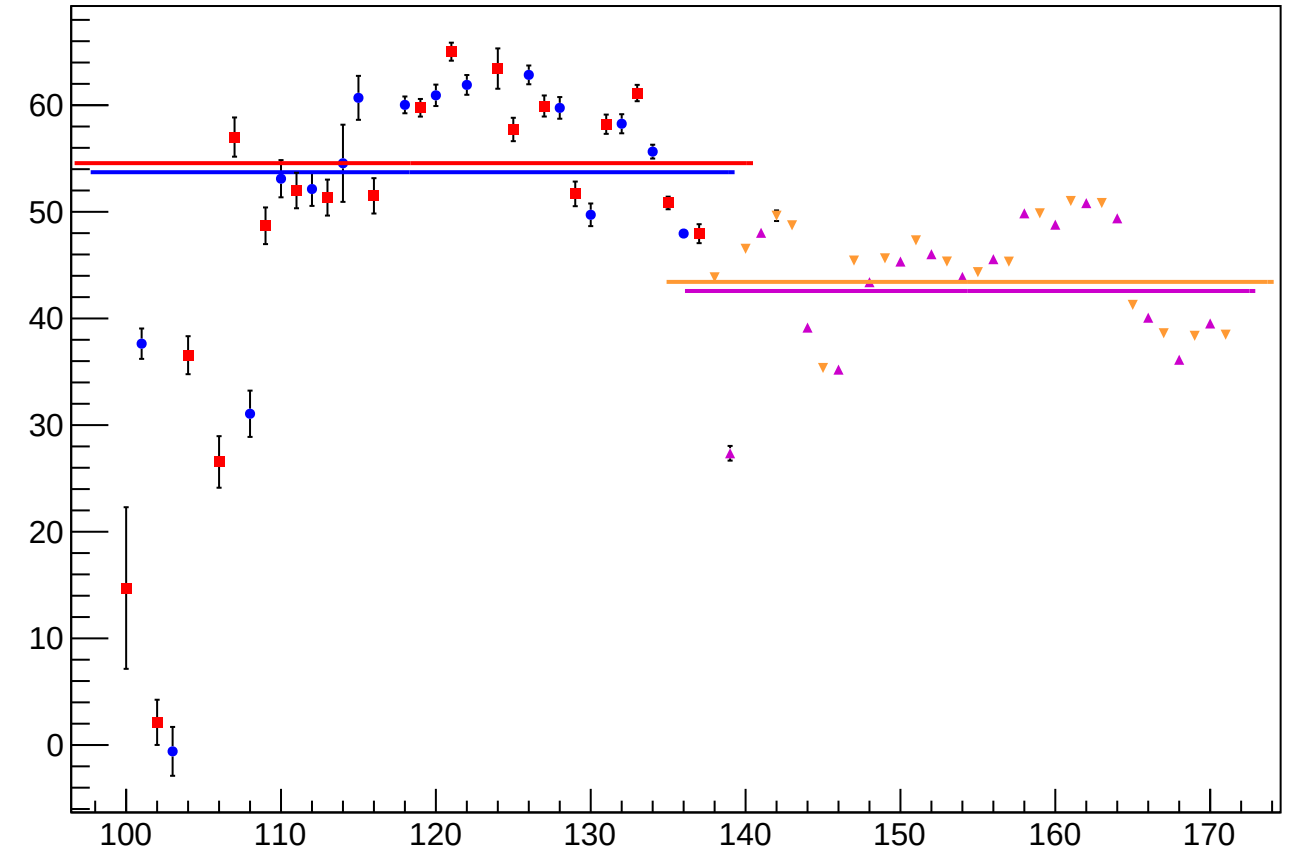
Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.576+/-0.097 χ^2/NDF:5109.6/15

+ sign 25.623+/-0.088 χ^2/NDF: 12219.5/33

All: 25.287+/-0.063 χ^2/NDF: 24503.1/68

- sign 24.926+/-0.091 χ^2/NDF: 12253.1/34



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.430+/-0.078 χ^2/NDF:4239.6/17

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

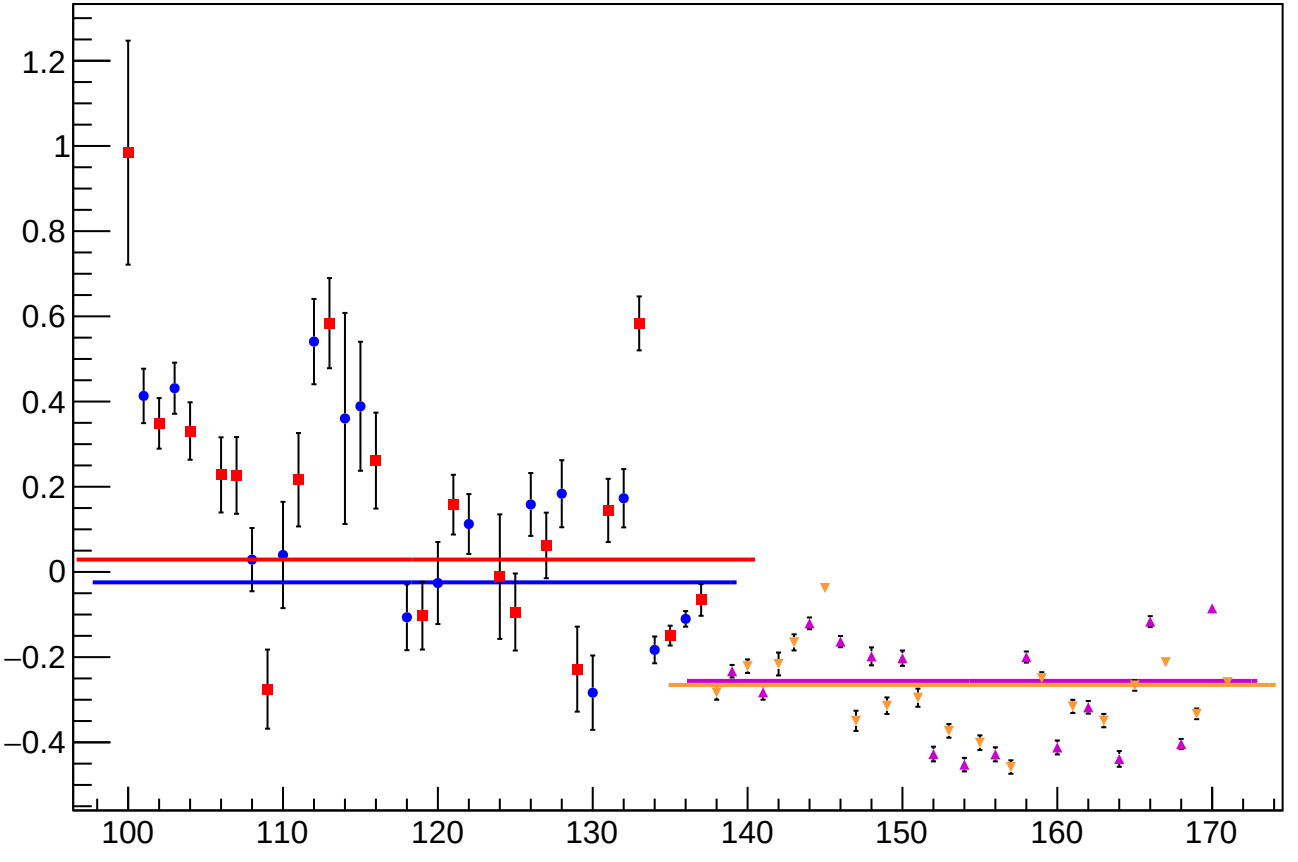
Left In: 42.576+/-0.081 χ^2/NDF:4531.2/15

\+ sign 44.431+/-0.075 χ^2/NDF: 7273.8/33

All: 44.069+/-0.054 χ^2/NDF: 15186.5/68

\- sign 43.677+/-0.078 χ^2/NDF: 7863.5/34

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: -0.265+/-0.004 χ^2/NDF:852.9/17

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

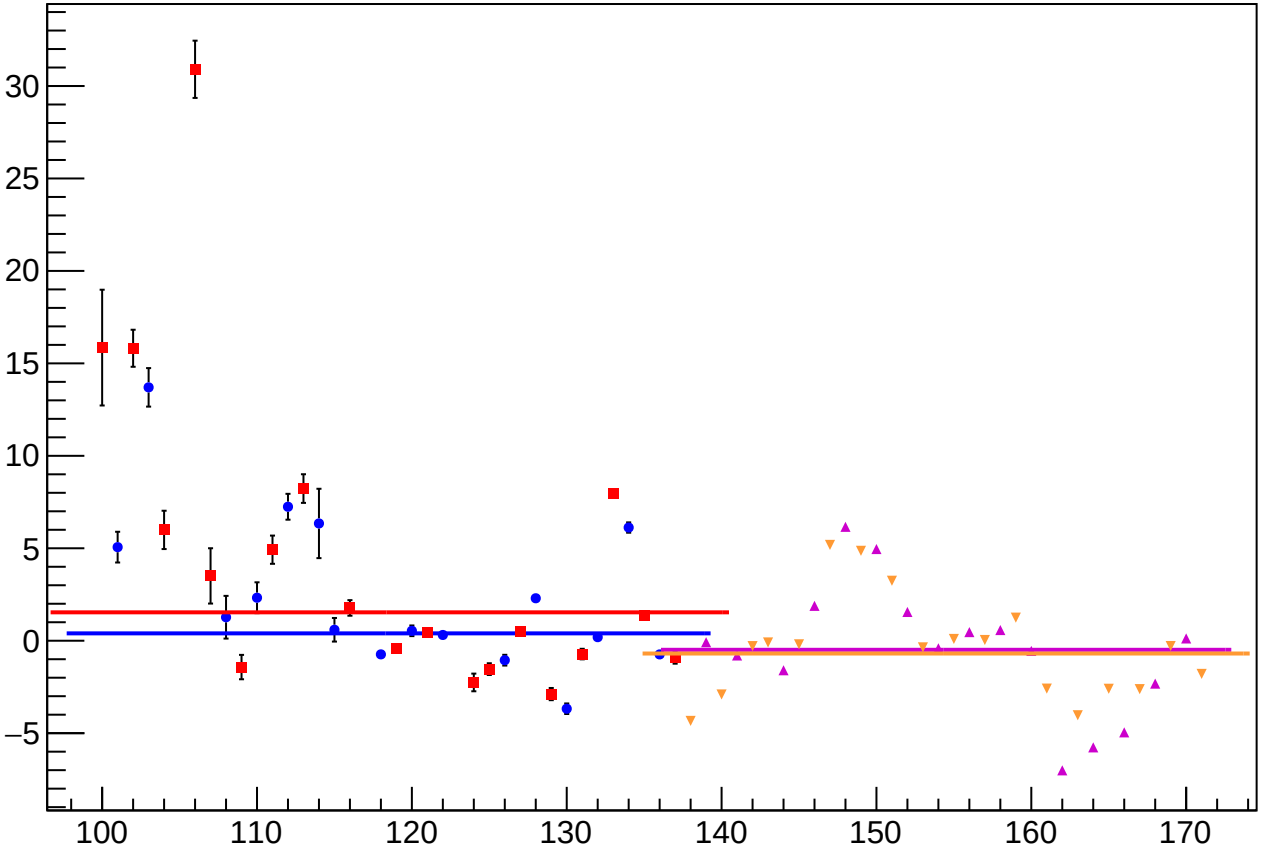
Left In: -0.256+/-0.004 χ^2/NDF:1307.7/15

+ sign -0.248+/-0.003 χ^2/NDF: 1411.6/33

All: -0.244+/-0.002 χ^2/NDF: 3375.1/68

- sign -0.238+/-0.004 χ^2/NDF: 1959.2/34

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: -0.692+/-0.037 χ^2/NDF:4524.7/17

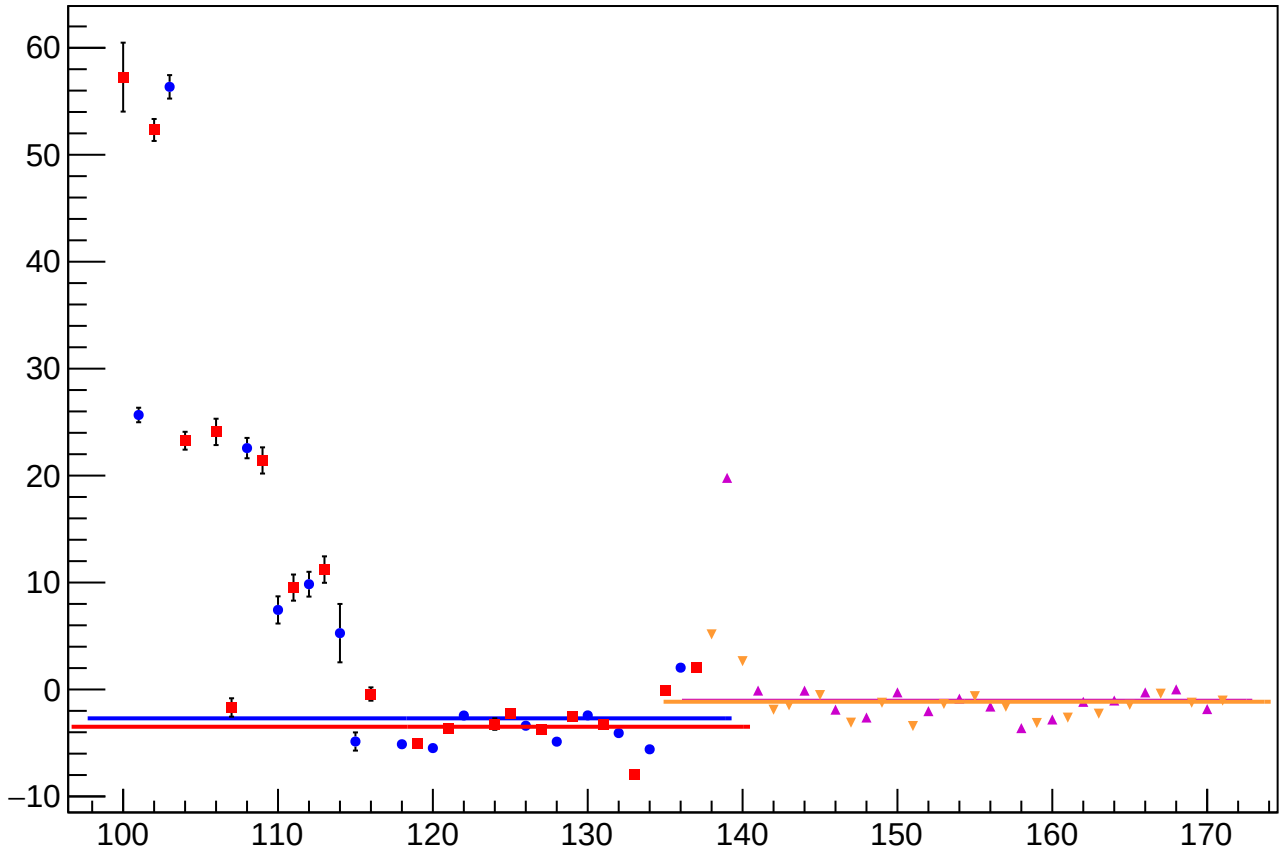
Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.491+/-0.037 χ^2/NDF:6609.0/15

+ sign -0.492+/-0.033 χ^2/NDF: 5785.4/33

All: -0.306+/-0.024 χ^2/NDF: 15416.4/68

- sign -0.112+/-0.034 χ^2/NDF: 9566.3/34



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.146+/-0.026 χ^2/NDF:4253.7/17

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

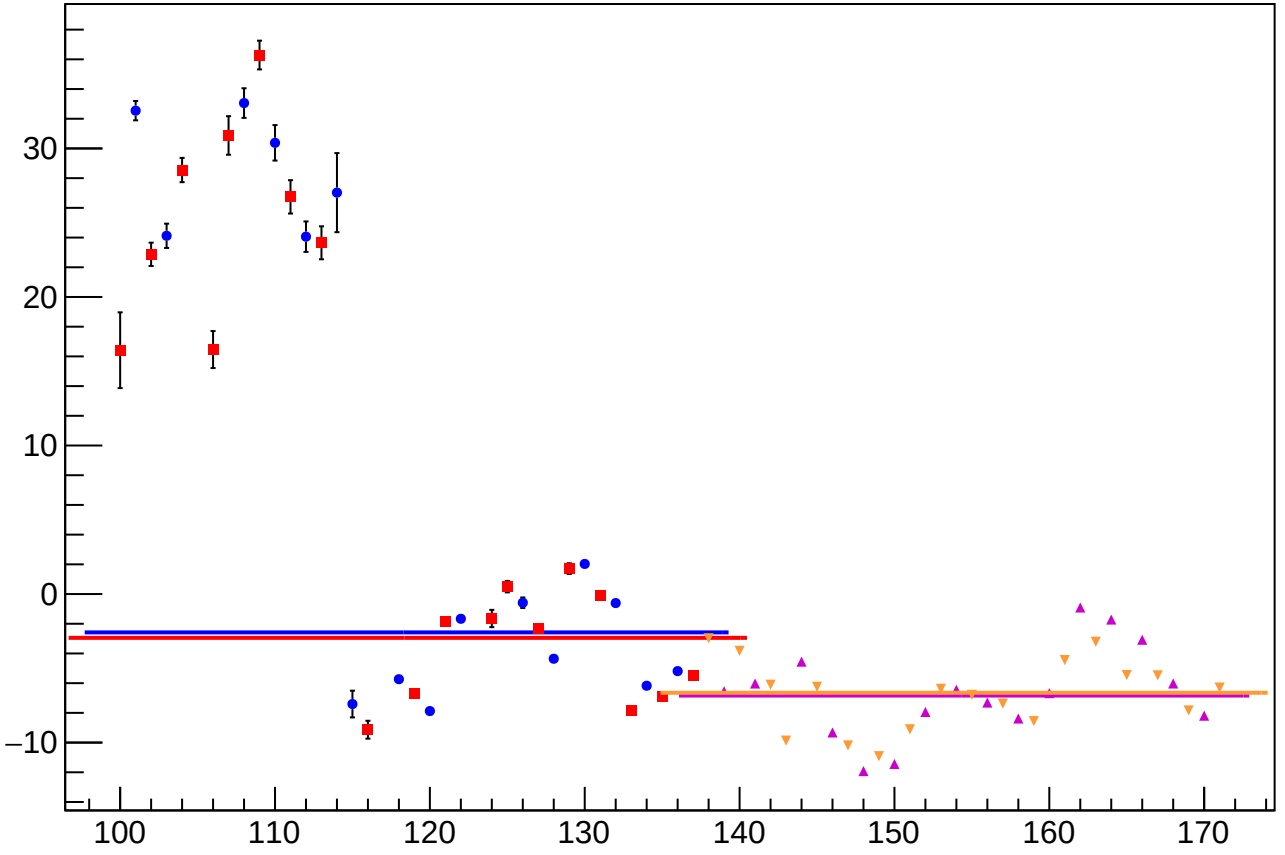
Left In: -1.053+/-0.027 χ^2/NDF:8319.3/15

+ sign -1.335+/-0.025 χ^2/NDF: 11780.8/33

All: -1.348+/-0.018 χ^2/NDF: 28290.0/68

- sign -1.361+/-0.025 χ^2/NDF: 16508.6/34

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.646+/-0.036 χ^2/NDF:3628.8/17

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

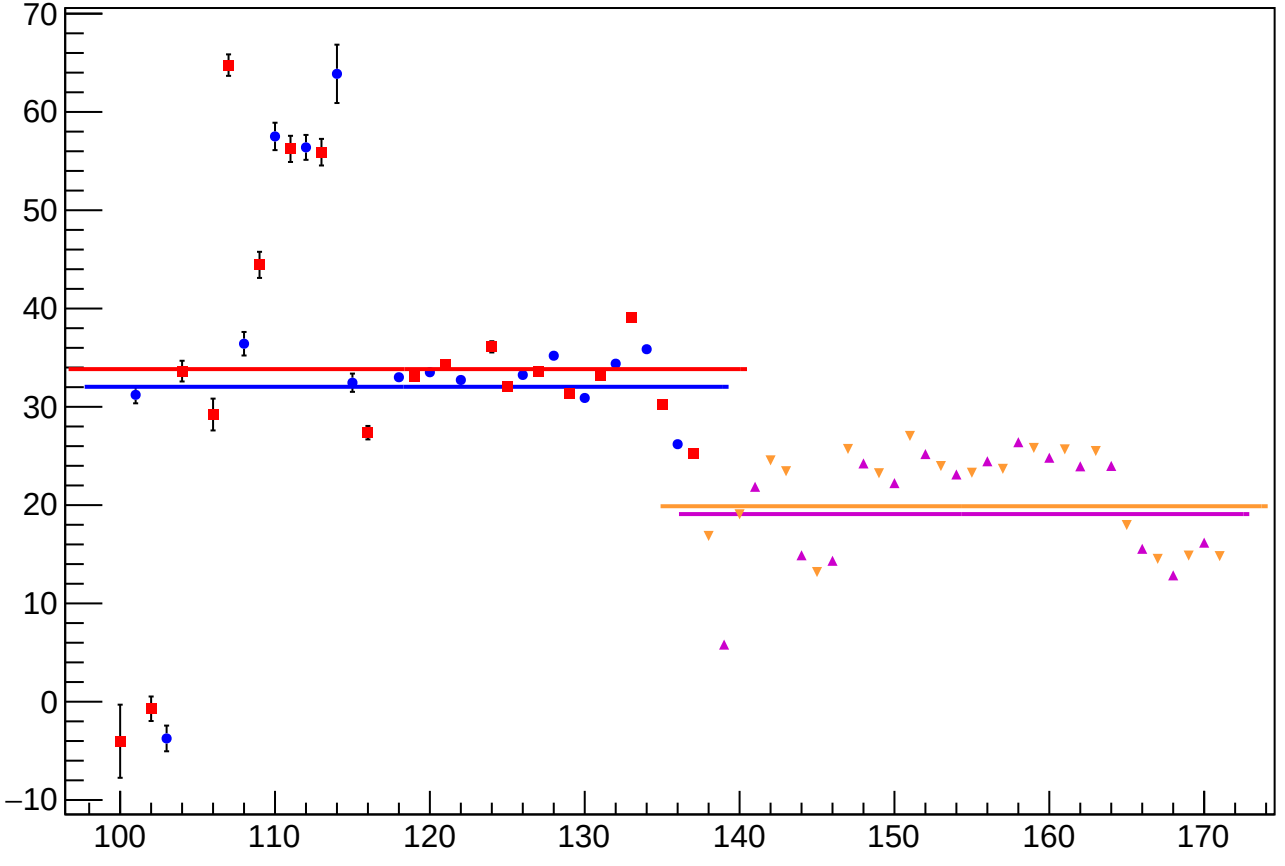
Left In: -6.834+/-0.037 χ^2/NDF:5722.6/15

+ sign -5.999+/-0.033 χ^2/NDF: 13800.2/33

All: -6.106+/-0.024 χ^2/NDF: 29501.7/68

- sign -6.218+/-0.034 χ^2/NDF: 15680.1/34

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: 19.886+/-0.030 χ^2/NDF:27347.7/17

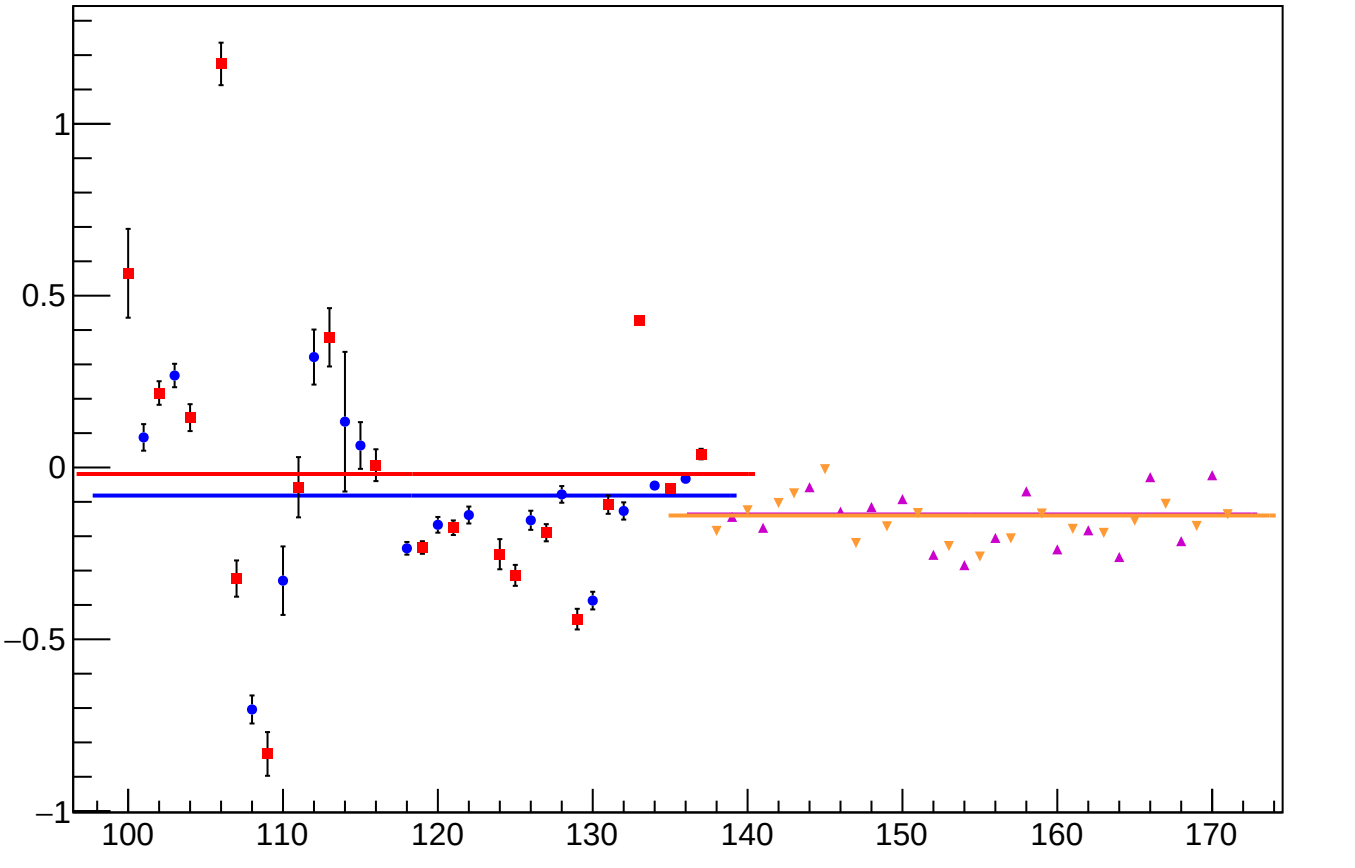
Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 19.088+/-0.031 χ^2/NDF:25353.1/15

+ sign 21.357+/-0.028 χ^2/NDF: 50244.9/33

All: 21.161+/-0.020 χ^2/NDF: 108456.5/68

- sign 20.955+/-0.029 χ^2/NDF: 58112.9/34



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:2258.4/17

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

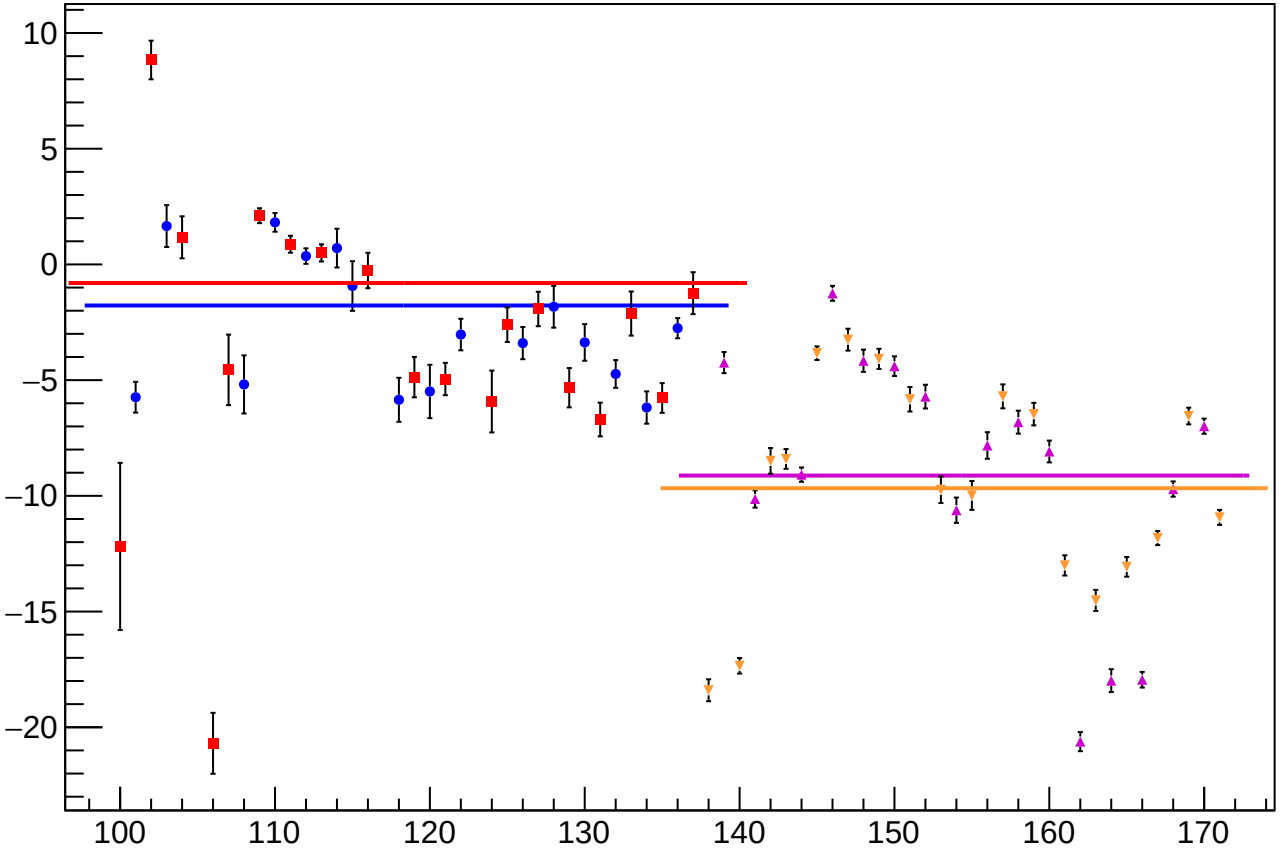
Left In: -0.137+/-0.001 χ^2/NDF:3557.6/15

+ sign -0.135+/-0.001 χ^2/NDF: 3081.6/33

All: -0.132+/-0.001 χ^2/NDF: 9404.3/68

- sign -0.129+/-0.001 χ^2/NDF: 6310.2/34

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.670+/-0.098 χ^2/NDF:2153.1/17

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

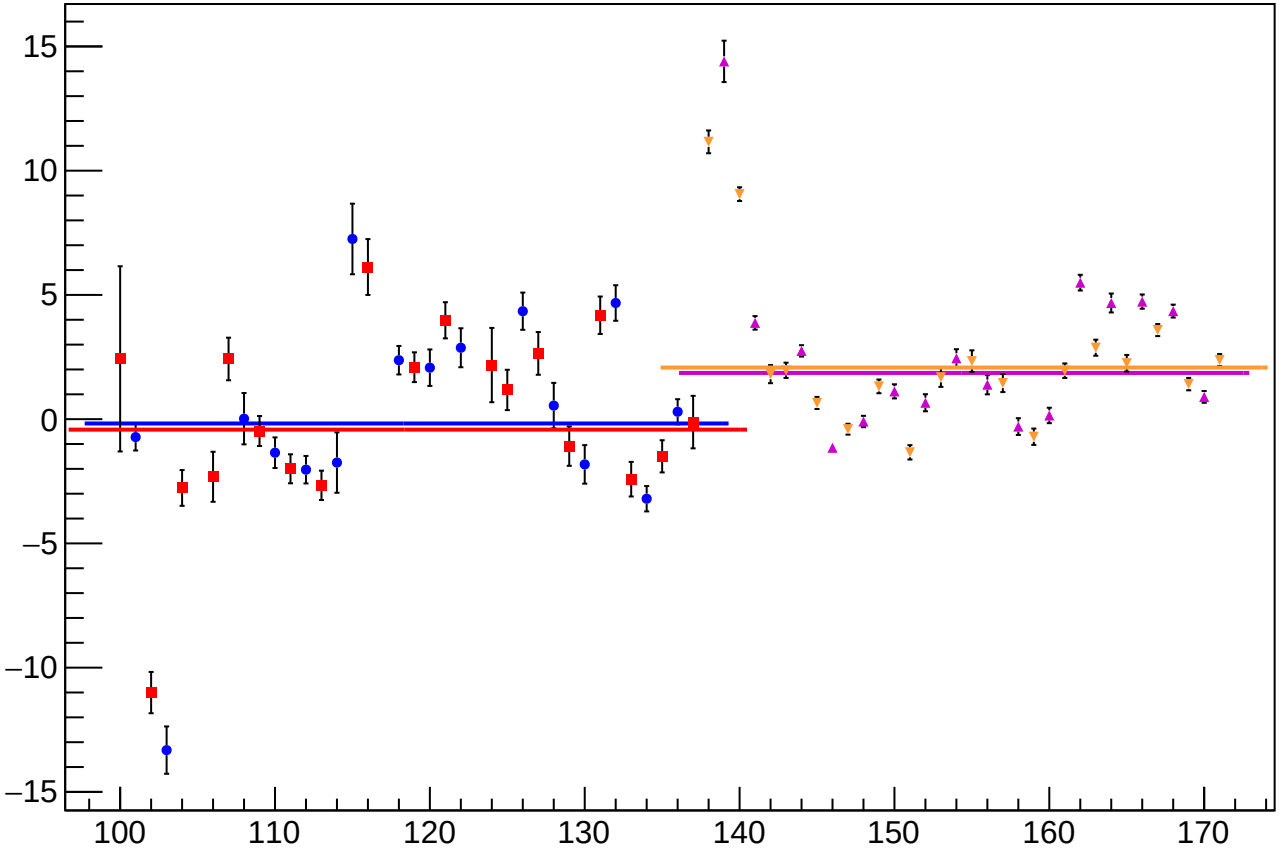
Left In: -9.124+/-0.101 χ^2/NDF:2848.1/15

+ sign -7.461+/-0.083 χ^2/NDF: 4269.1/33

All: -6.973+/-0.059 χ^2/NDF: 10067.5/68

- sign -6.480+/-0.084 χ^2/NDF: 5729.2/34

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.078+/-0.069 χ^2/NDF:1468.8/17

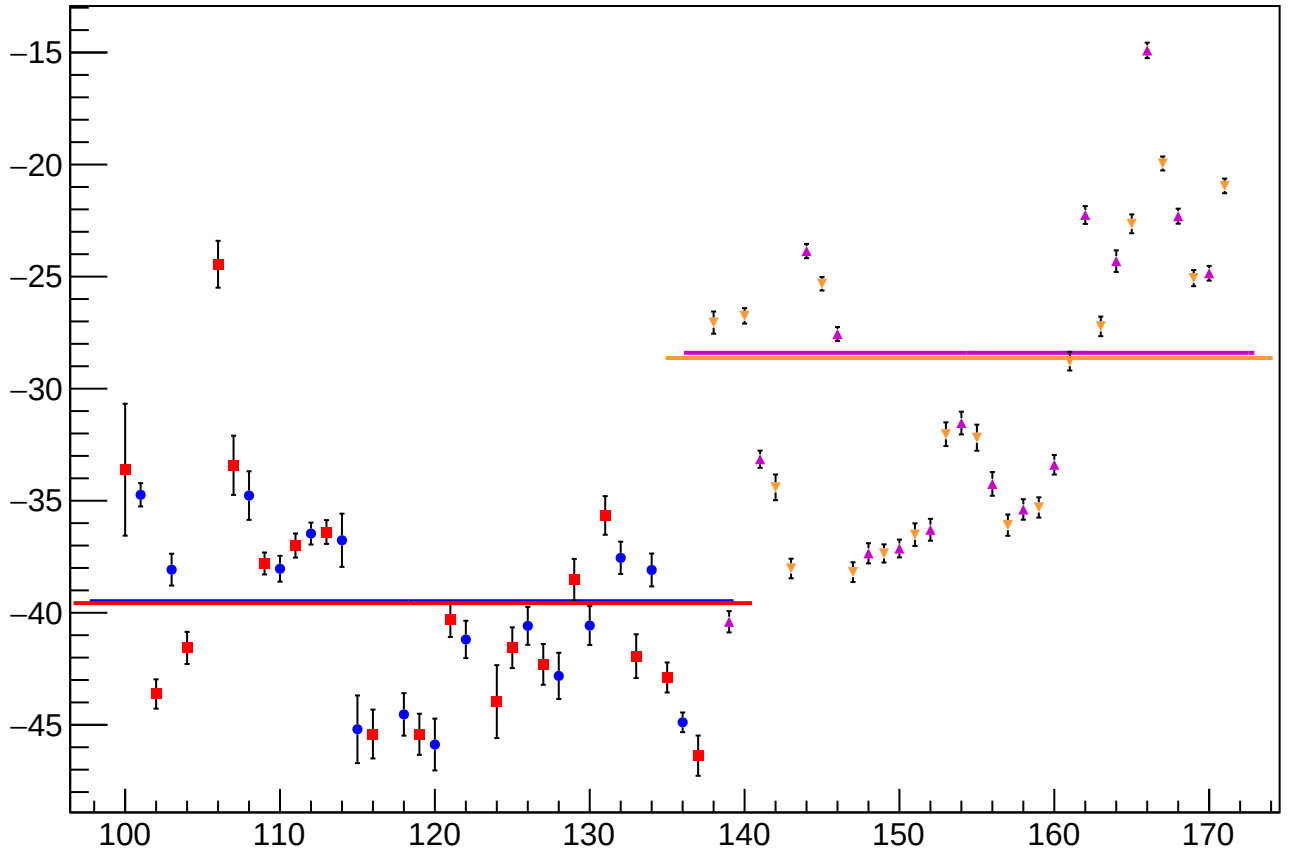
Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.860+/-0.072 χ^2/NDF:1098.2/15

+ sign 1.766+/-0.064 χ^2/NDF: 2017.9/33

All: 1.657+/-0.046 χ^2/NDF: 3630.9/68

- sign 1.540+/-0.066 χ^2/NDF: 1607.0/34



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.634+/-0.097 χ^2/NDF:4079.3/17

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

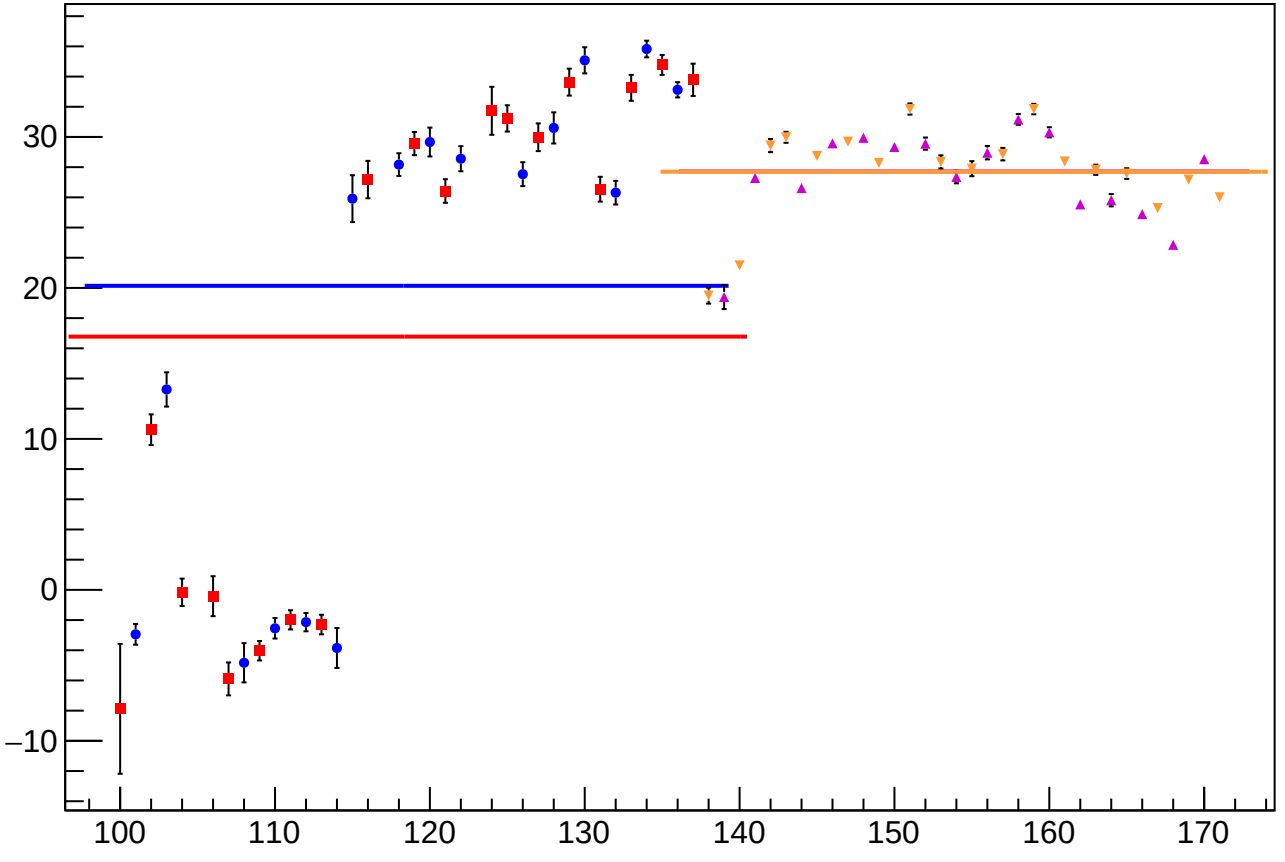
Left In: -28.400+/-0.099 χ^2/NDF:4951.8/15

+ sign -31.062+/-0.085 χ^2/NDF: 7301.4/33

All: -31.024+/-0.061 χ^2/NDF: 15735.3/68

- sign -30.984+/-0.087 χ^2/NDF: 8433.4/34

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.698+/-0.080 χ^2/NDF:1116.7/17

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

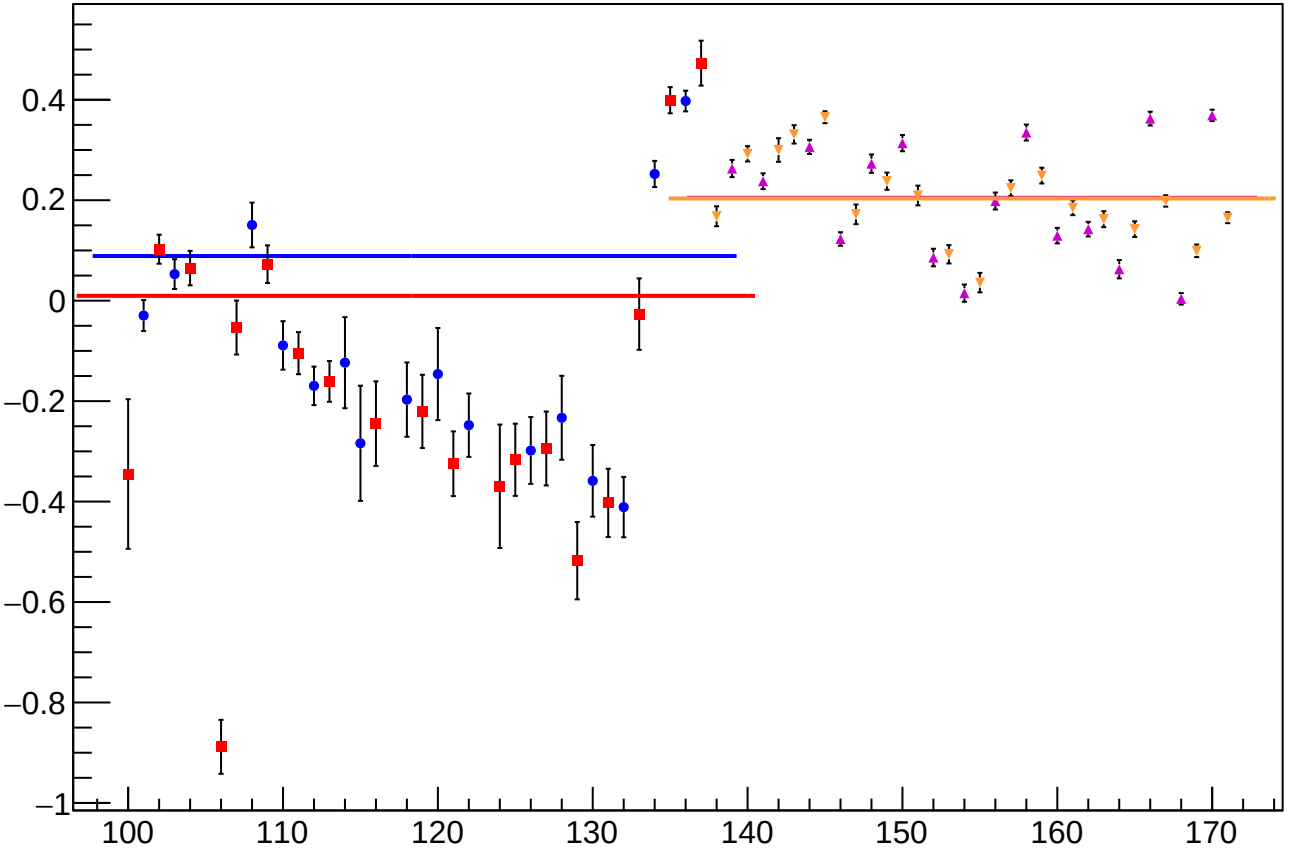
Left In: 27.717+/-0.083 χ^2/NDF:861.0/15

+ sign 26.613+/-0.074 χ^2/NDF: 9091.8/33

All: 26.375+/-0.053 χ^2/NDF: 19277.3/68

- sign 26.120+/-0.076 χ^2/NDF: 10163.9/34

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.204+/-0.004 χ^2/NDF:519.9/17

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

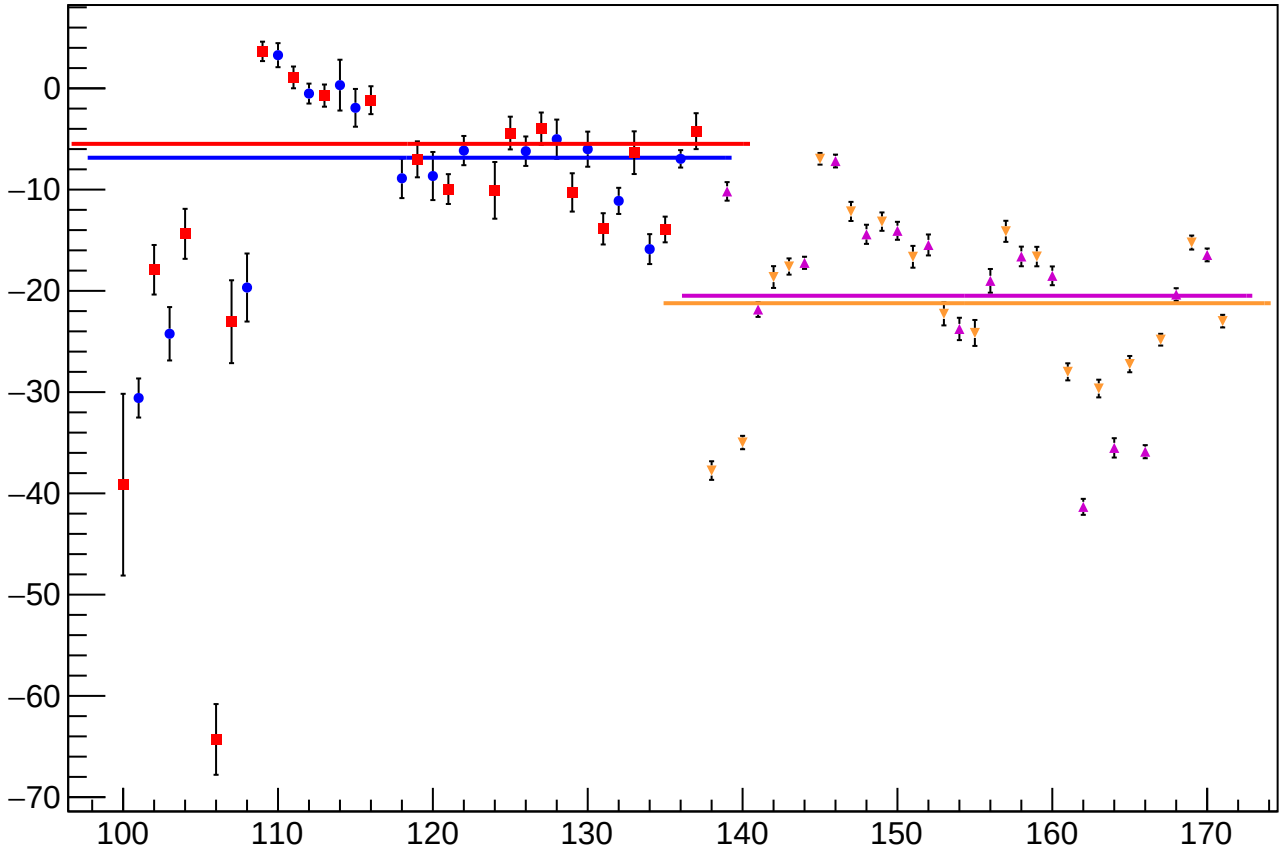
Left In: 0.205+/-0.004 χ^2/NDF:1149.9/15

+ sign 0.191+/-0.003 χ^2/NDF: 1191.9/33

All: 0.188+/-0.002 χ^2/NDF: 3459.6/68

- sign 0.185+/-0.004 χ^2/NDF: 2265.9/34

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -21.220+/-0.191 χ^2/NDF:1995.2/17

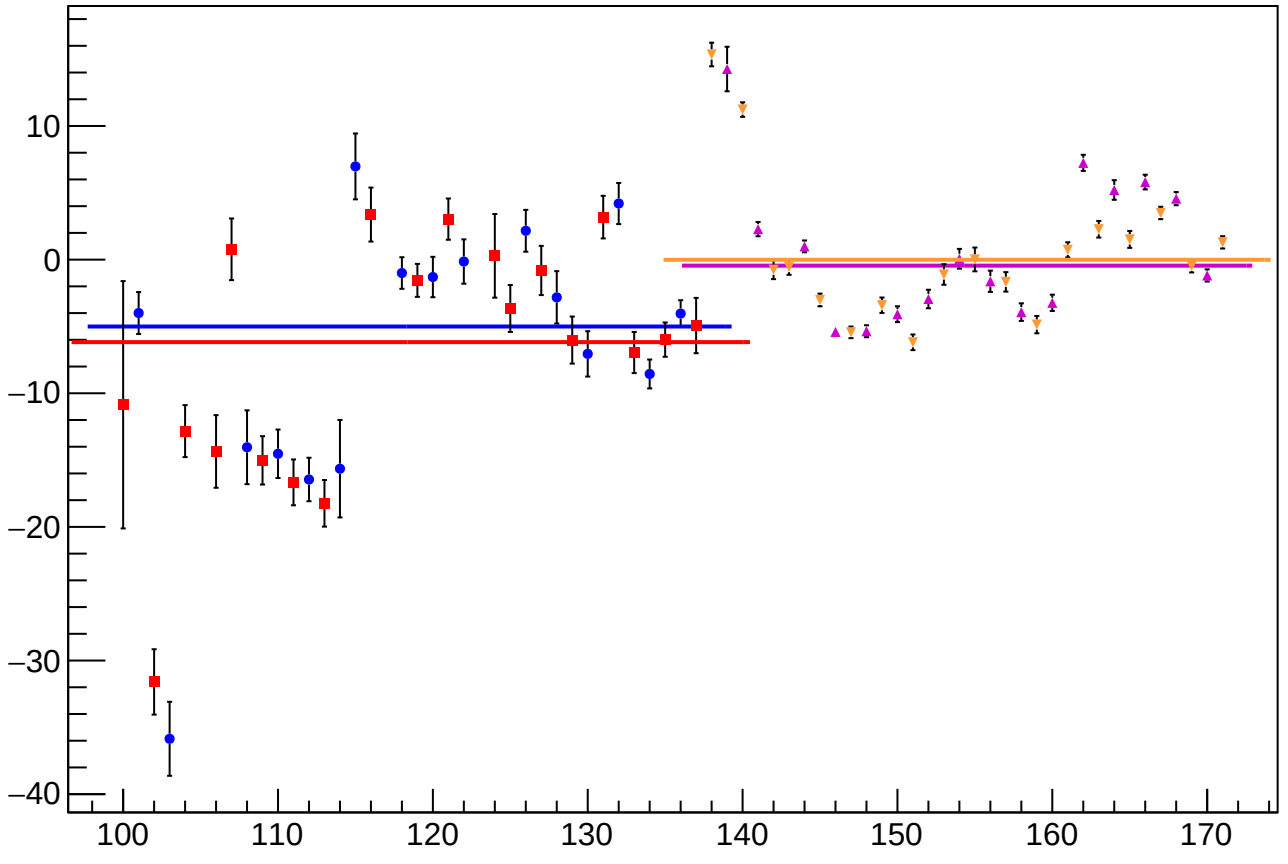
Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -20.483+/-0.198 χ^2/NDF:2296.5/15

+ sign -18.263+/-0.170 χ^2/NDF: 3547.3/33

All: -17.711+/-0.122 χ^2/NDF: 7755.2/68

- sign -17.132+/-0.174 χ^2/NDF: 4186.4/34



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.012+/-0.136 χ^2/NDF:1222.5/17

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

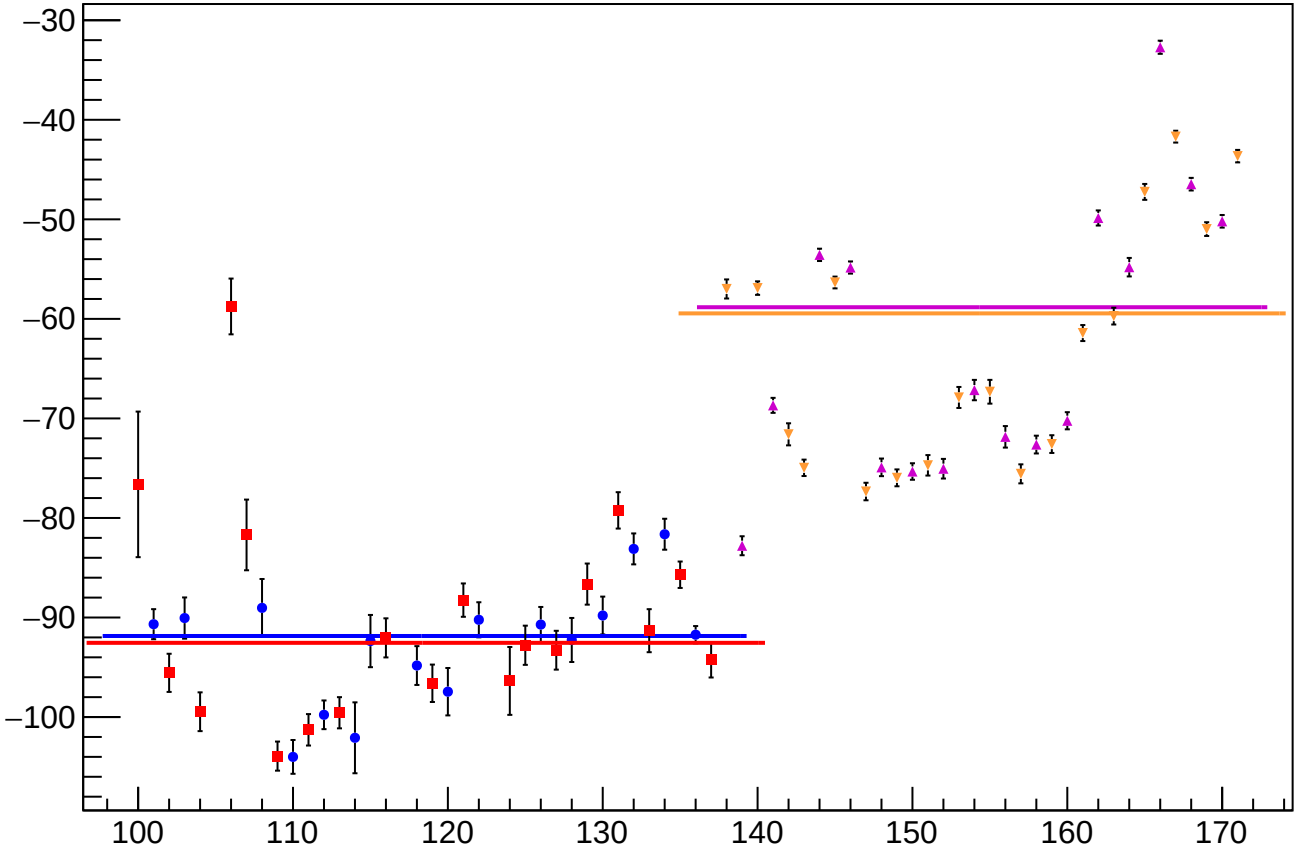
Left In: -0.450+/-0.140 χ^2/NDF:968.0/15

+ sign -0.537+/-0.128 χ^2/NDF: 1707.0/33

All: -0.775+/-0.092 χ^2/NDF: 3220.9/68

- sign -1.029+/-0.133 χ^2/NDF: 1506.8/34

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -59.449+/-0.189 χ^2/NDF:4056.9/17

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

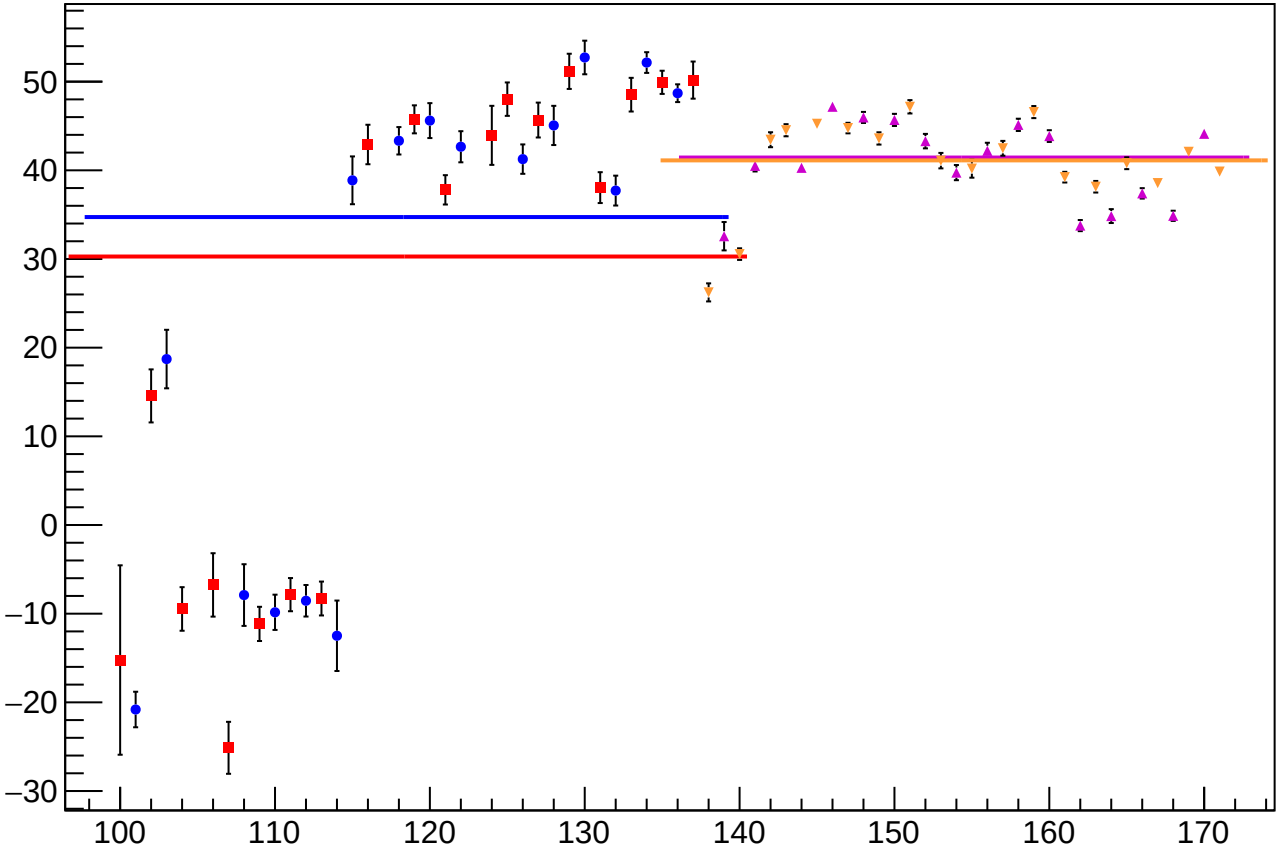
Left In: -58.830+/-0.194 χ^2/NDF:4827.8/15

+ sign -64.828+/-0.173 χ^2/NDF: 9105.4/33

All: -64.595+/-0.124 χ^2/NDF: 19251.7/68

- sign -64.348+/-0.178 χ^2/NDF: 10142.5/34

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.121+/-0.156 χ^2/NDF:810.9/17

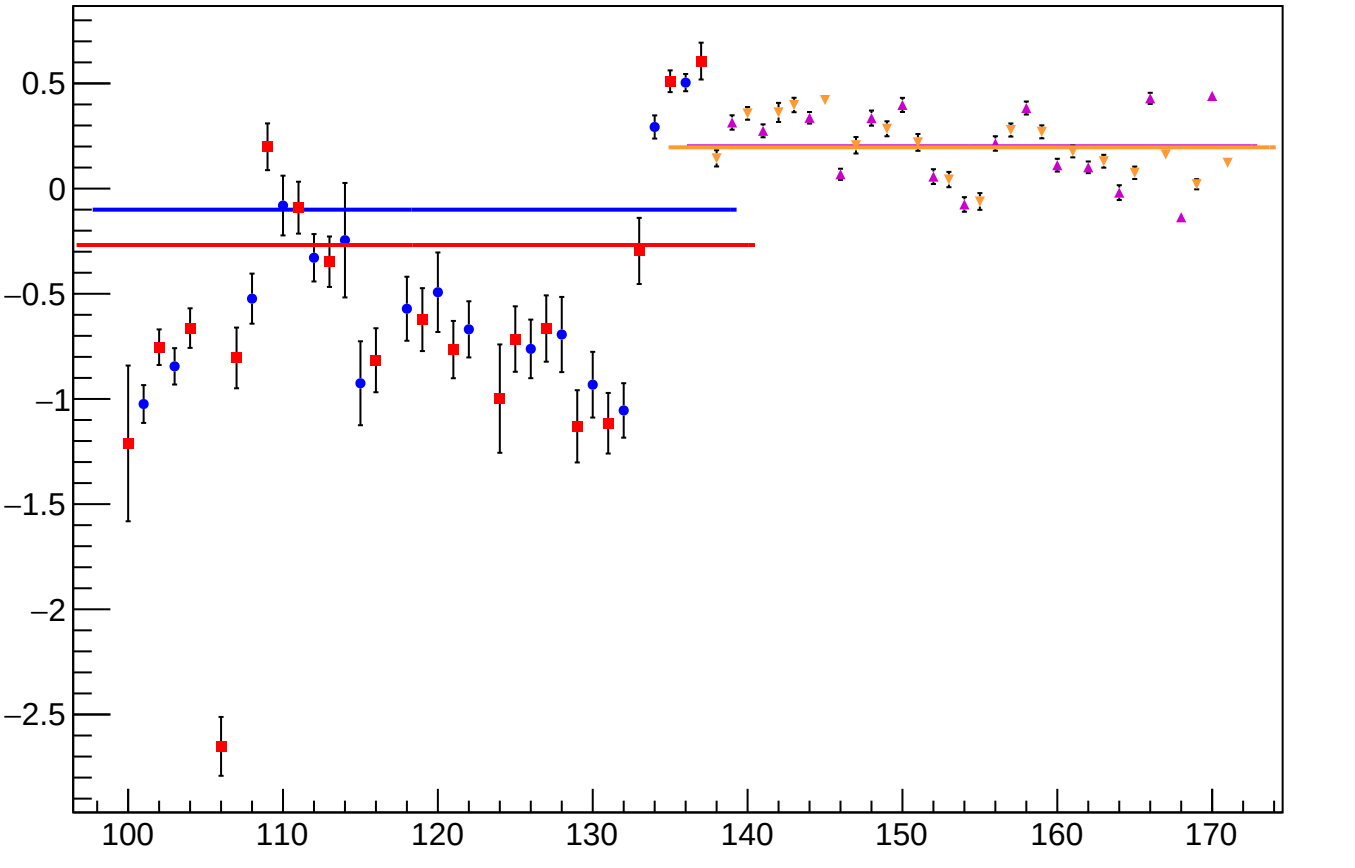
Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.441+/-0.161 χ^2/NDF:756.2/15

+ sign 40.414+/-0.147 χ^2/NDF: 3806.1/33

All: 40.336+/-0.106 χ^2/NDF: 7984.2/68

- sign 40.251+/-0.153 χ^2/NDF: 4177.5/34



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.196+/-0.007 χ^2/NDF:337.6/17

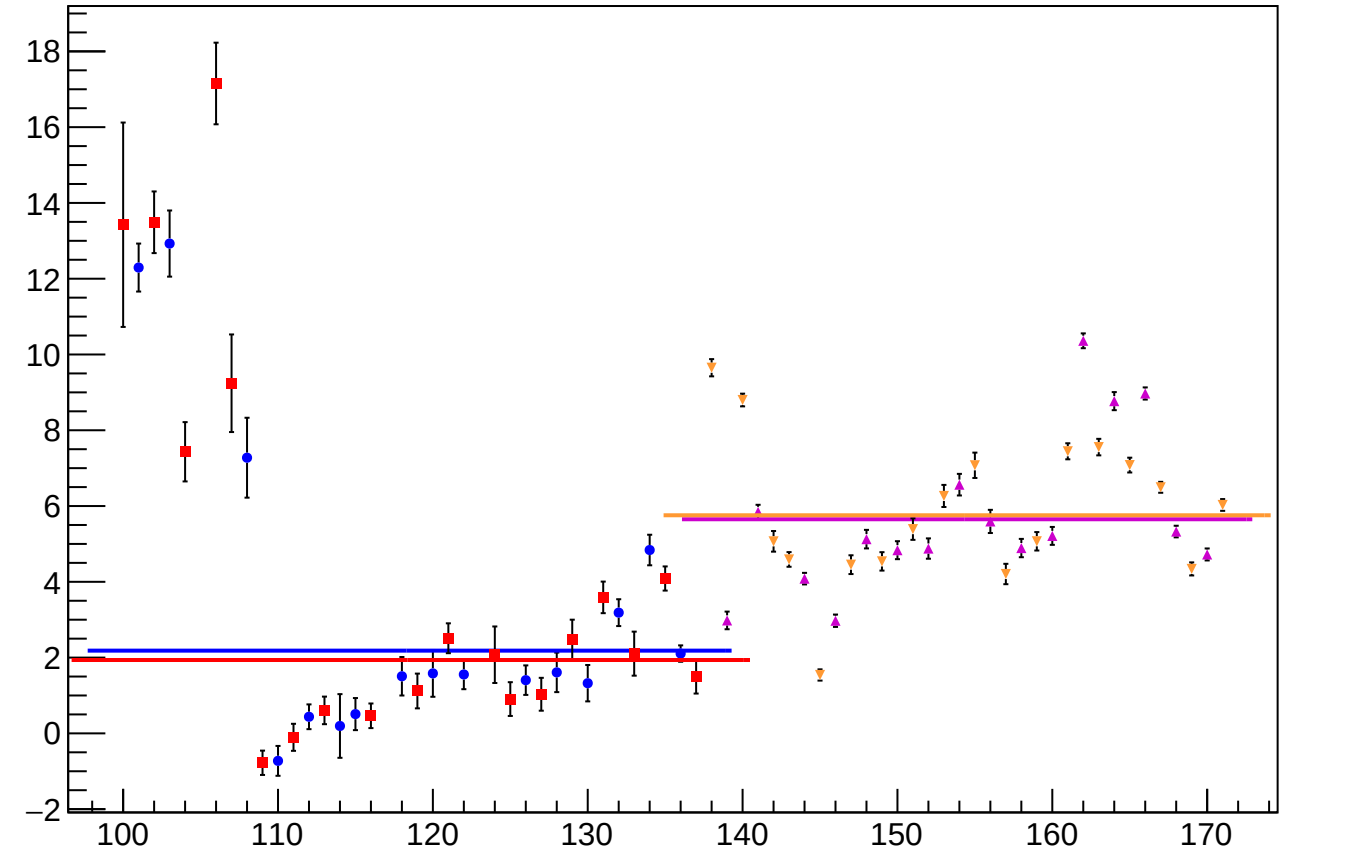
Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.201+/-0.007 χ^2/NDF:724.9/15

+ sign 0.173+/-0.007 χ^2/NDF: 1109.2/33

All: 0.170+/-0.005 χ^2/NDF: 2951.5/68

- sign 0.167+/-0.007 χ^2/NDF: 1842.1/34



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.756+/-0.048 χ^2/NDF:1857.1/17

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

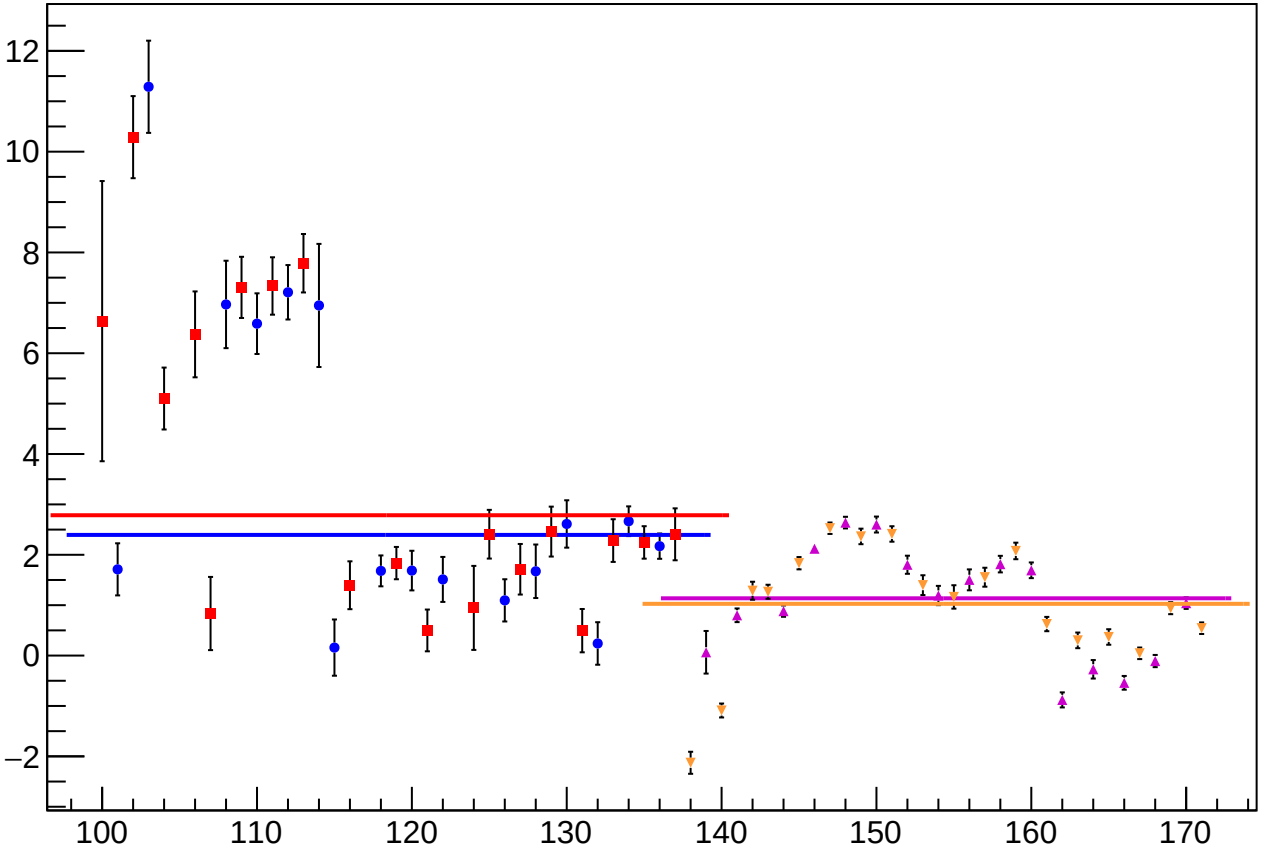
Left In: 5.651+/-0.050 χ^2/NDF:1770.9/15

+ sign 5.134+/-0.044 χ^2/NDF: 3412.7/33

All: 5.053+/-0.031 χ^2/NDF: 6919.8/68

- sign 4.968+/-0.045 χ^2/NDF: 3500.1/34

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: 1.027+/-0.034 χ^2/NDF:1014.4/17

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

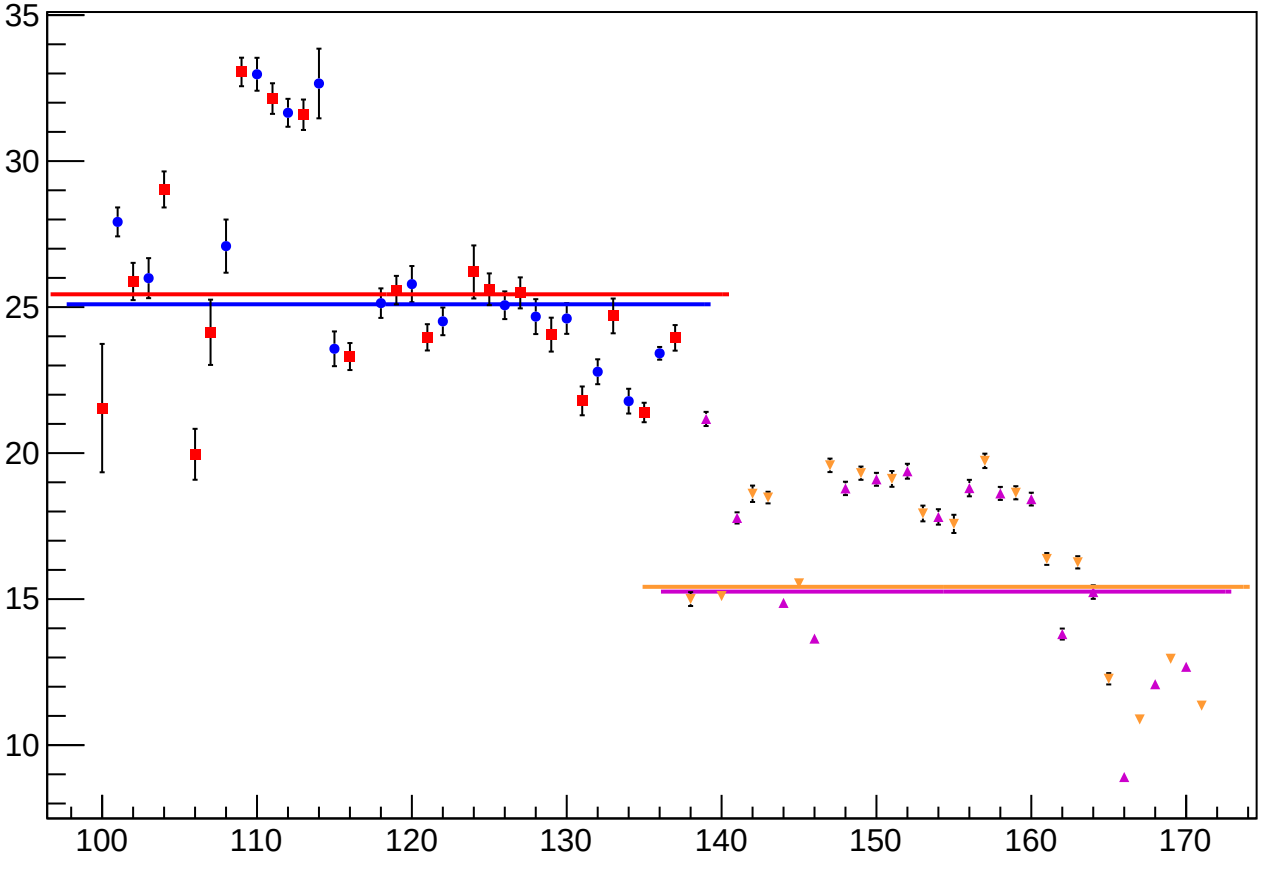
Left In: 1.136+/-0.035 χ^2/NDF:924.3/15

+ sign 1.151+/-0.033 χ^2/NDF: 1493.1/33

All: 1.212+/-0.024 χ^2/NDF: 3020.6/68

- sign 1.277+/-0.034 χ^2/NDF: 1520.3/34

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 15.420+/-0.048 χ^2/NDF:3951.7/17

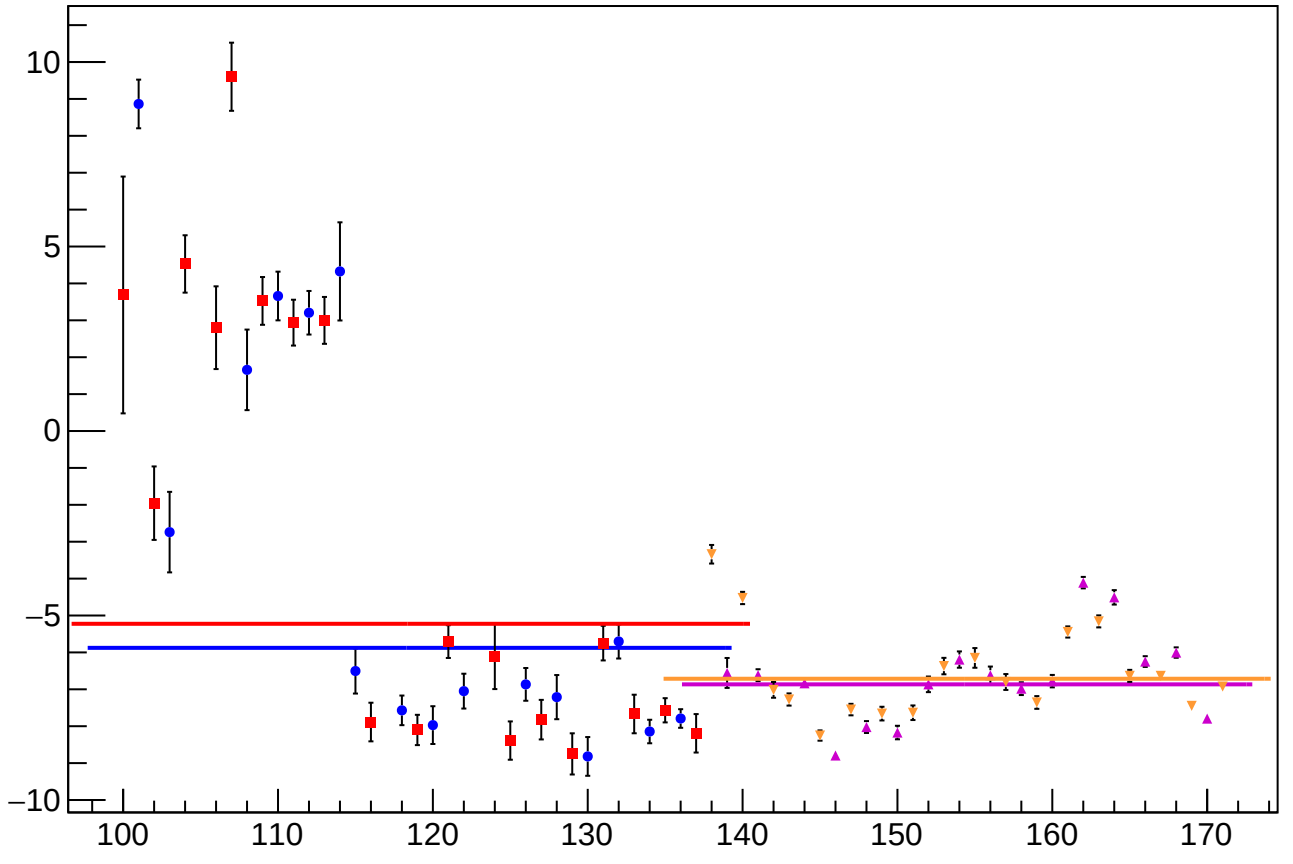
Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.257+/-0.049 χ^2/NDF:4608.0/15

+ sign 16.792+/-0.044 χ^2/NDF: 10390.8/33

All: 16.719+/-0.032 χ^2/NDF: 21704.3/68

- sign 16.642+/-0.046 χ^2/NDF: 11308.0/34



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.714+/-0.039 χ^2/NDF:778.5/17

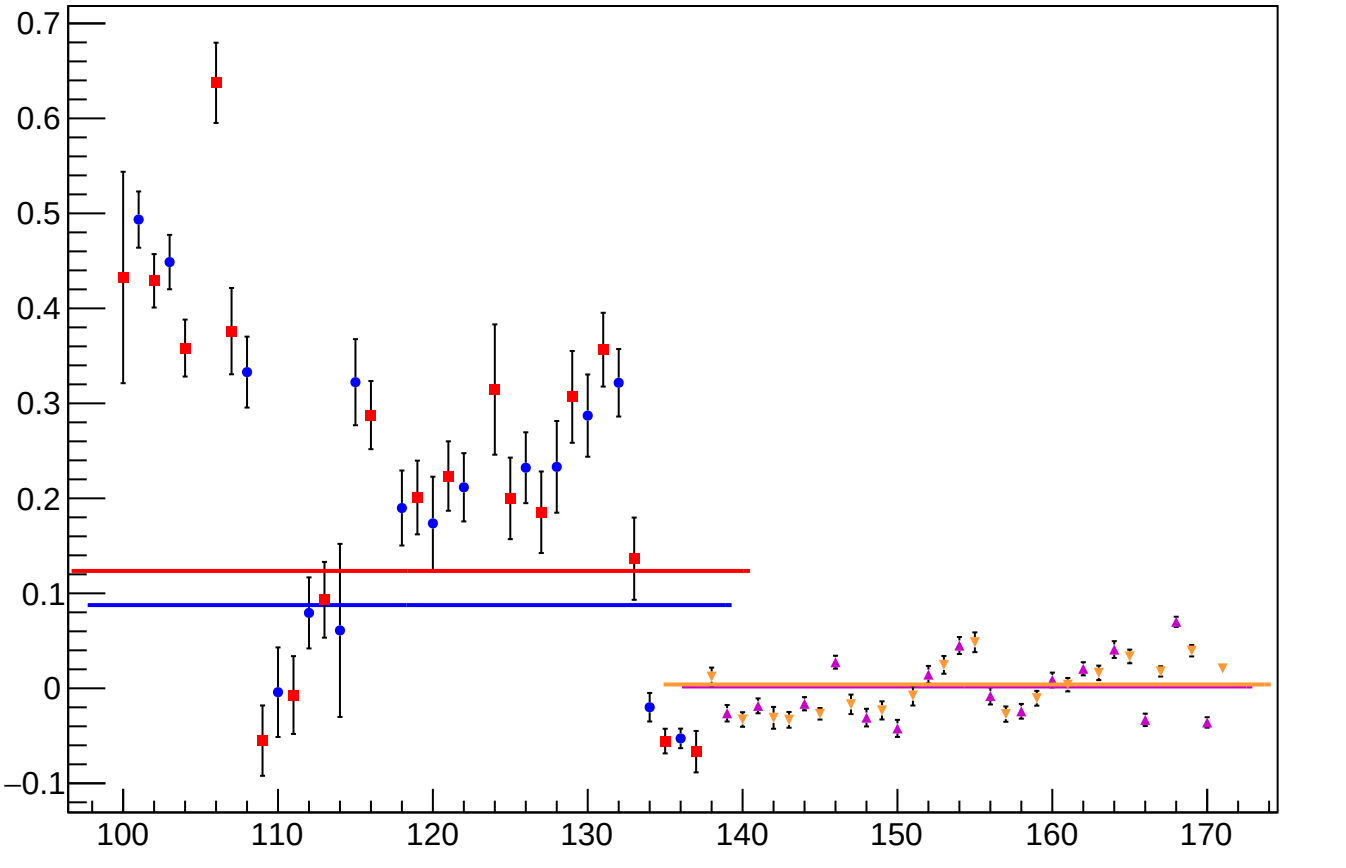
Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.866+/-0.041 χ^2/NDF:946.0/15

+ sign -6.633+/-0.037 χ^2/NDF: 2073.5/33

All: -6.673+/-0.027 χ^2/NDF: 4460.0/68

- sign -6.717+/-0.039 χ^2/NDF: 2384.2/34



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.004+/-0.002 χ^2/NDF:205.5/17

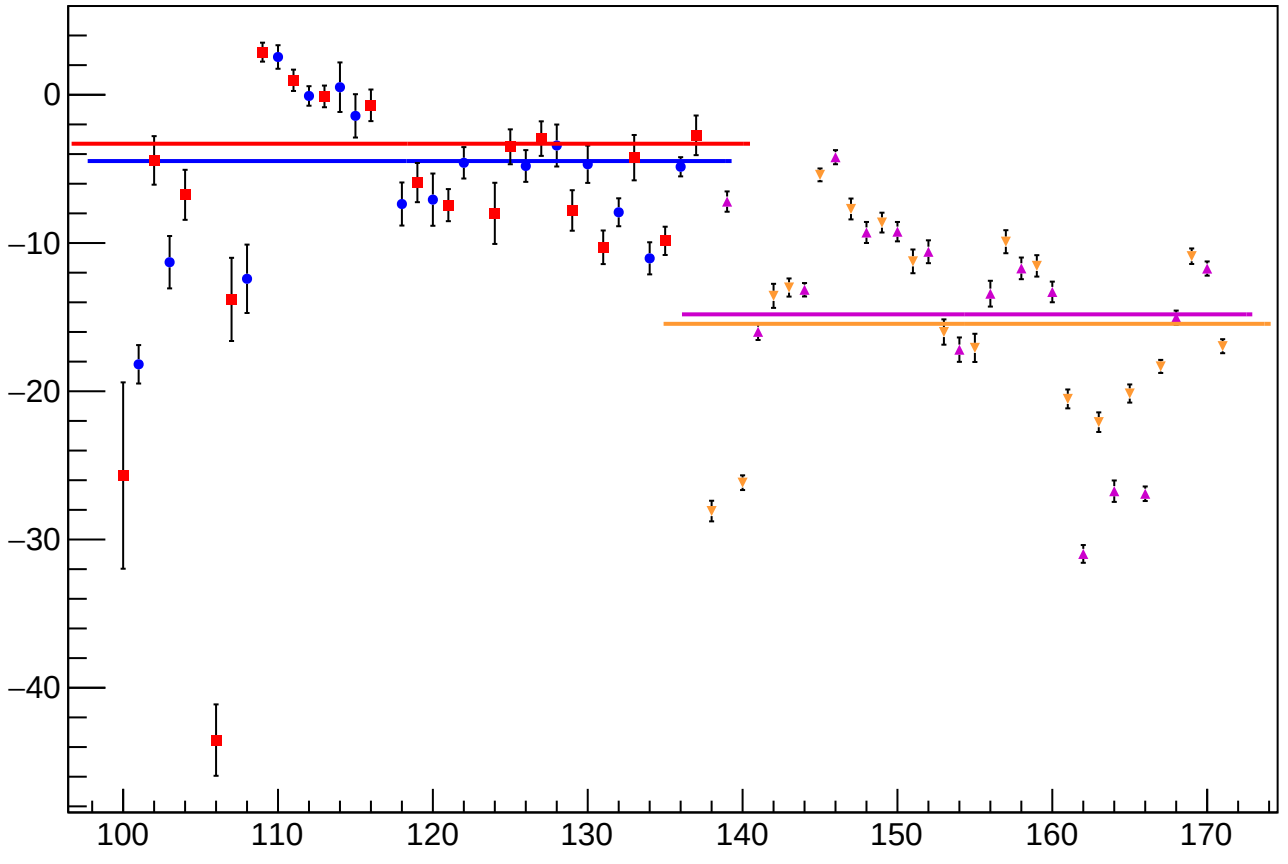
Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.002+/-0.002 χ^2/NDF:379.2/15

+ sign 0.010+/-0.002 χ^2/NDF: 1123.3/33

All: 0.010+/-0.001 χ^2/NDF: 2523.7/68

- sign 0.009+/-0.002 χ^2/NDF: 1400.4/34



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.451+/-0.144 χ^2/NDF:2045.1/17

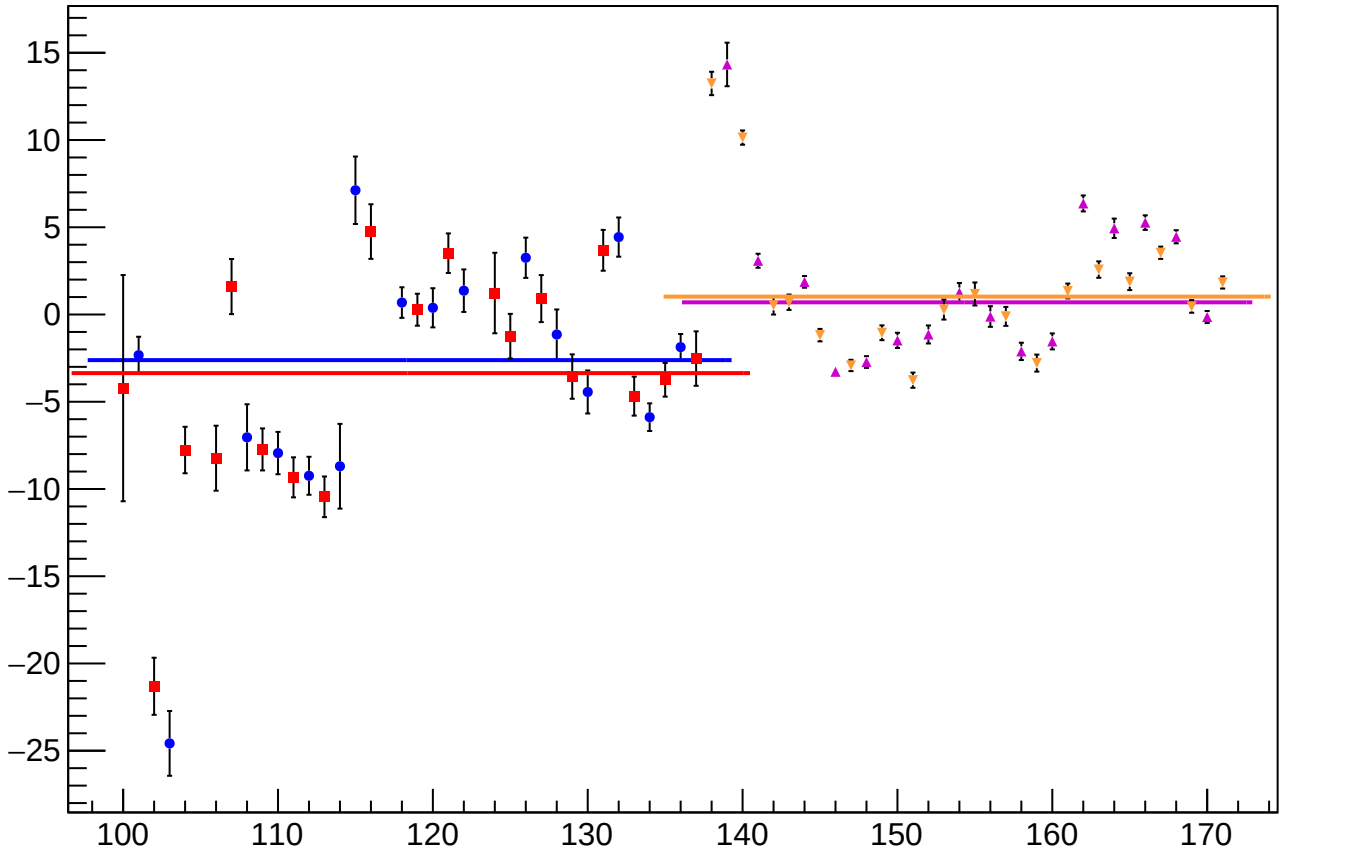
Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.812+/-0.149 χ^2/NDF:2482.3/15

+ sign -12.996+/-0.127 χ^2/NDF: 3675.9/33

All: -12.497+/-0.091 χ^2/NDF: 8242.4/68

- sign -11.980+/-0.129 χ^2/NDF: 4535.0/34



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.026+/-0.102 χ^2/NDF:1301.8/17

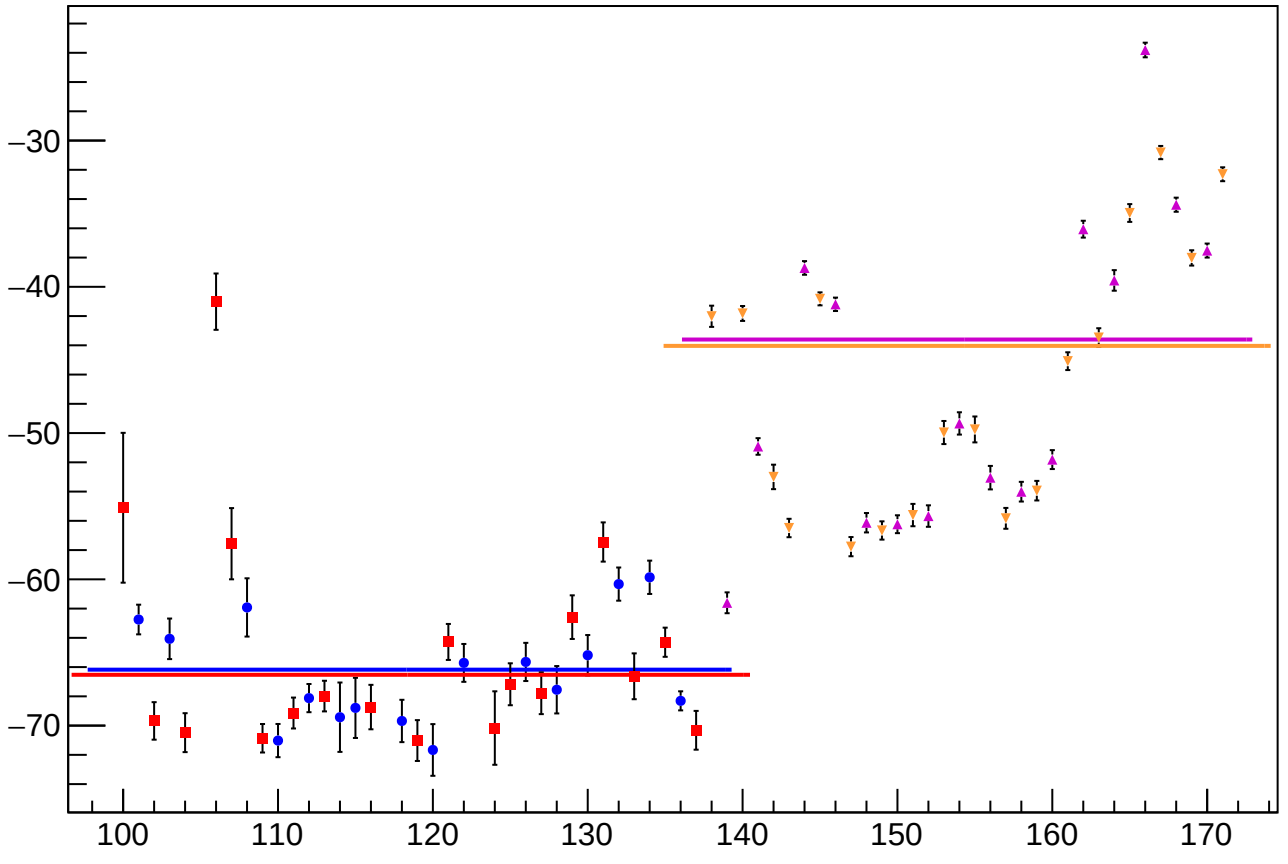
Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.698+/-0.105 χ^2/NDF:1001.3/15

+ sign 0.614+/-0.096 χ^2/NDF: 1797.7/33

All: 0.438+/-0.069 χ^2/NDF: 3329.7/68

- sign 0.250+/-0.099 χ^2/NDF: 1525.0/34



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -44.038+/-0.142 χ^2/NDF:4074.2/17

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

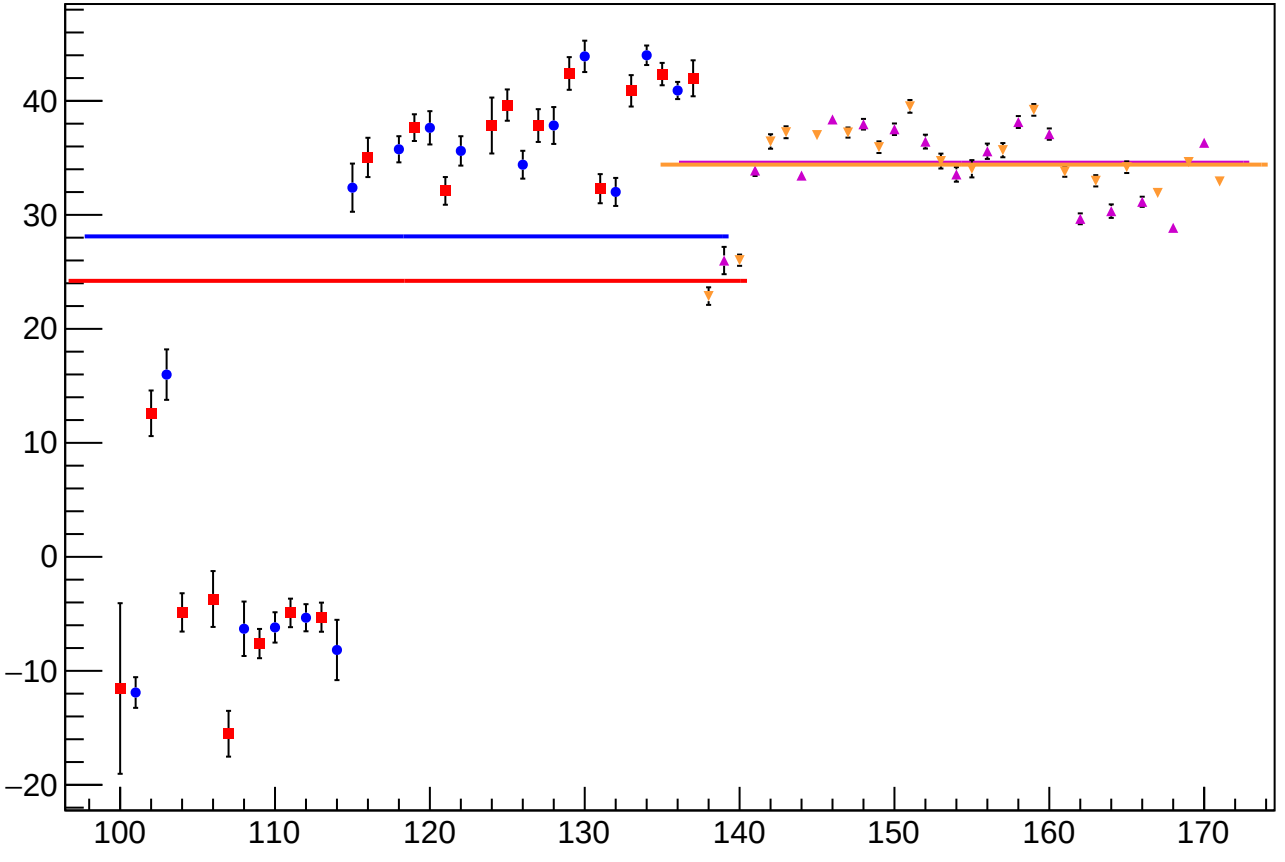
Left In: -43.604+/-0.146 χ^2/NDF:4881.2/15

+ sign -48.018+/-0.129 χ^2/NDF: 8543.8/33

All: -47.874+/-0.092 χ^2/NDF: 18163.7/68

- sign -47.723+/-0.132 χ^2/NDF: 9617.4/34

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.409+/-0.117 χ^2/NDF:884.6/17

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

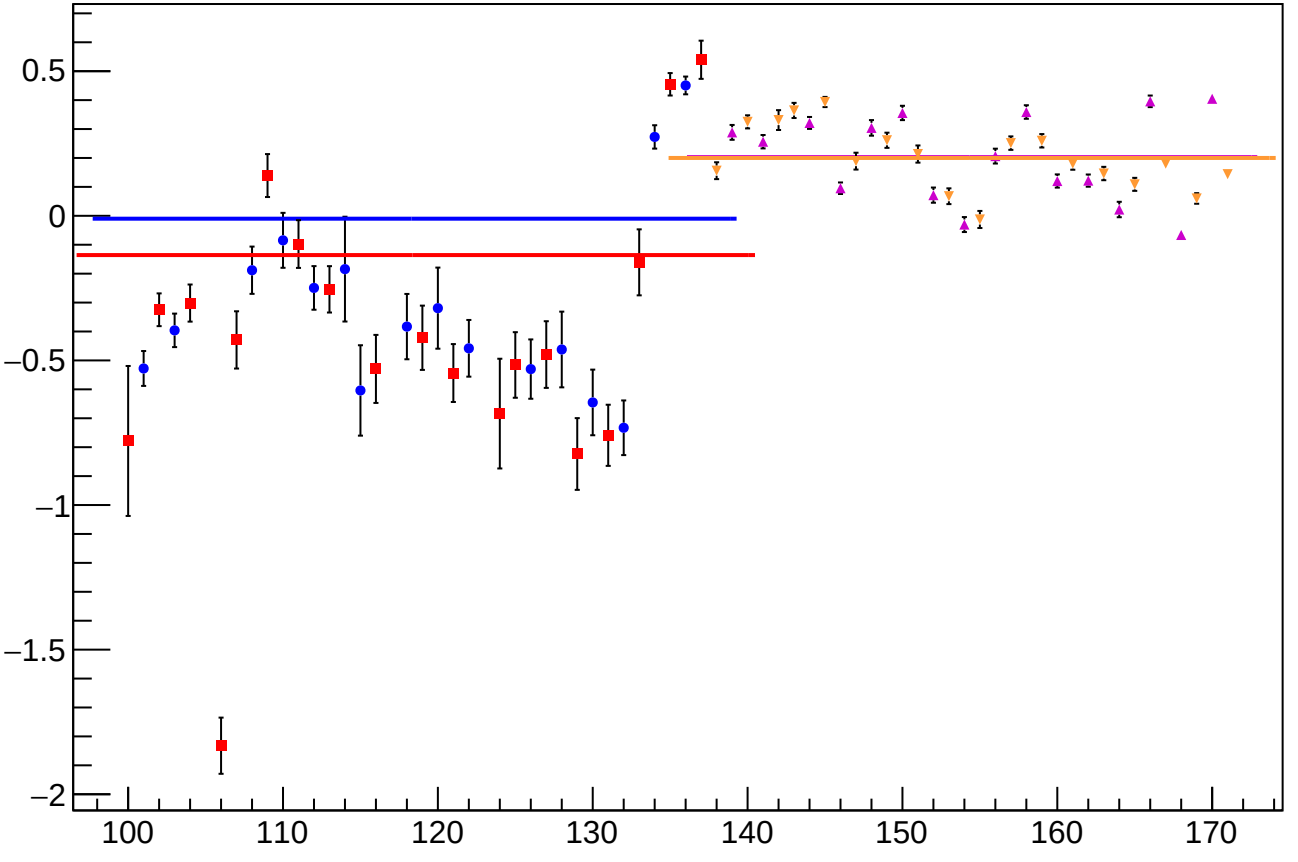
Left In: 34.577+/-0.121 χ^2/NDF:758.4/15

+ sign 33.663+/-0.110 χ^2/NDF: 4953.7/33

All: 33.525+/-0.079 χ^2/NDF: 10400.4/68

- sign 33.376+/-0.114 χ^2/NDF: 5443.5/34

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.200+/-0.005 χ^2/NDF:394.6/17

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

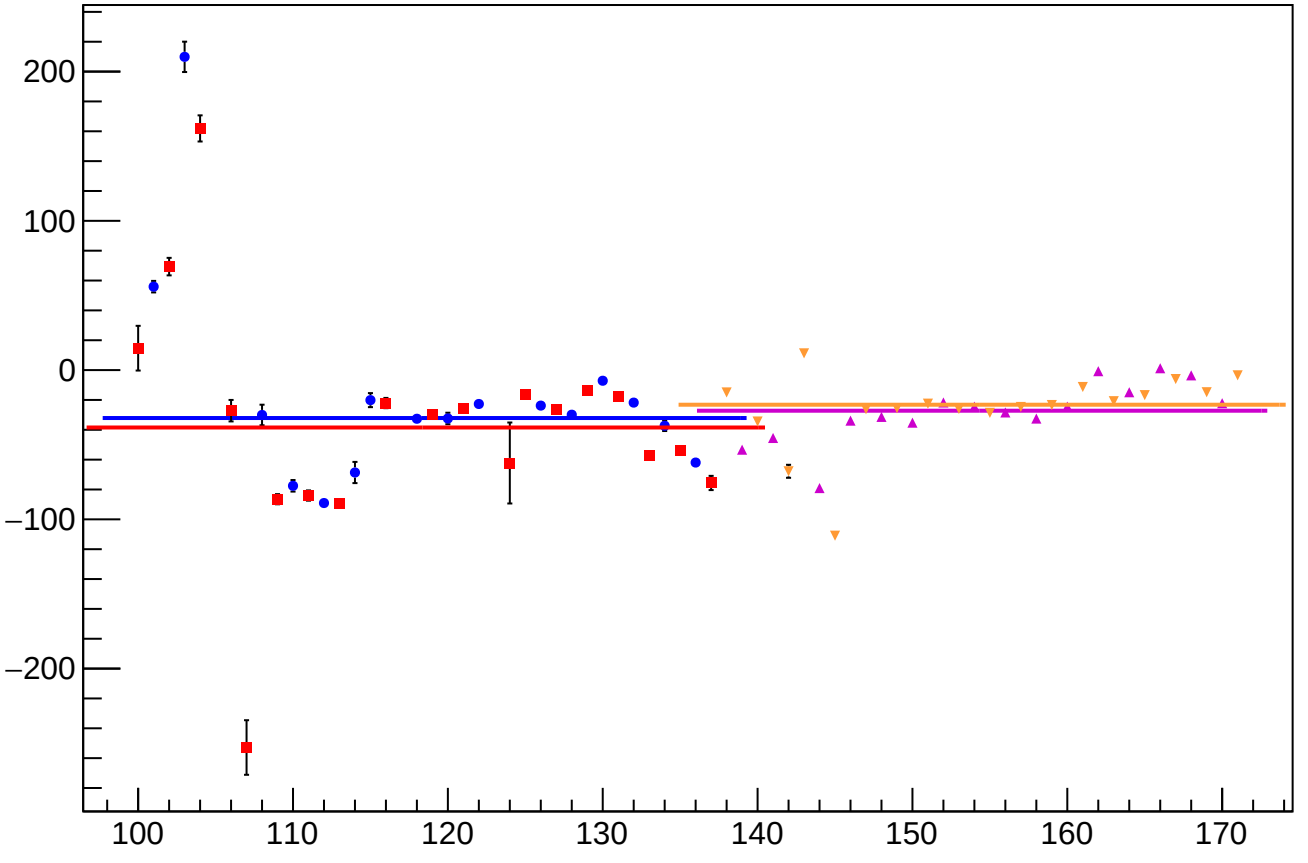
Left In: 0.203+/-0.006 χ^2/NDF:861.7/15

+ sign 0.182+/-0.005 χ^2/NDF: 1116.2/33

All: 0.179+/-0.004 χ^2/NDF: 3095.1/68

- sign 0.176+/-0.005 χ^2/NDF: 1978.3/34

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -23.201+/-0.672 χ^2/NDF:1139.8/17

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

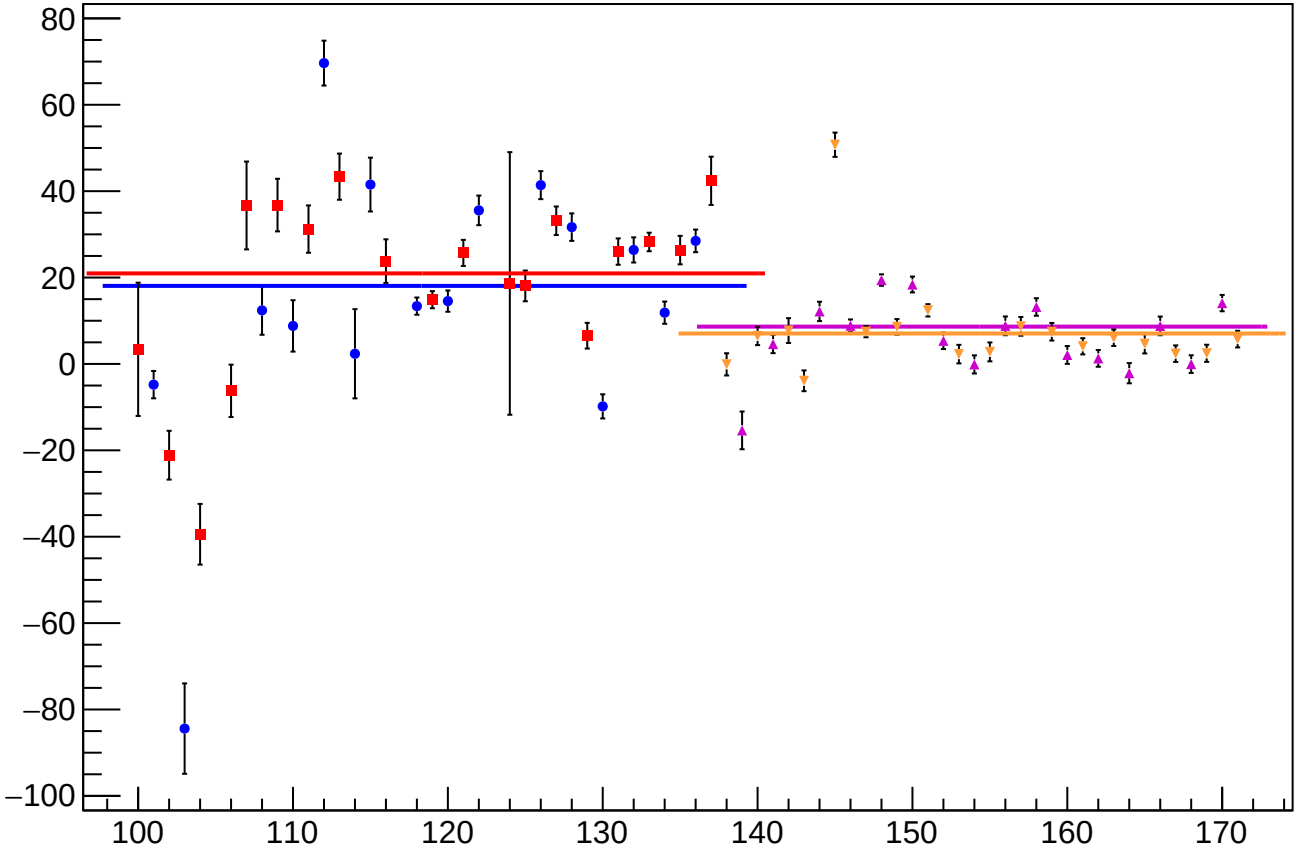
Left In: -27.219+/-0.694 χ^2/NDF:815.1/15

+ sign -26.667+/-0.525 χ^2/NDF: 3085.7/33

All: -29.073+/-0.377 χ^2/NDF: 6019.4/68

- sign -31.627+/-0.541 χ^2/NDF: 2890.5/34

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.046+/-0.465 χ^2/NDF:309.3/17

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

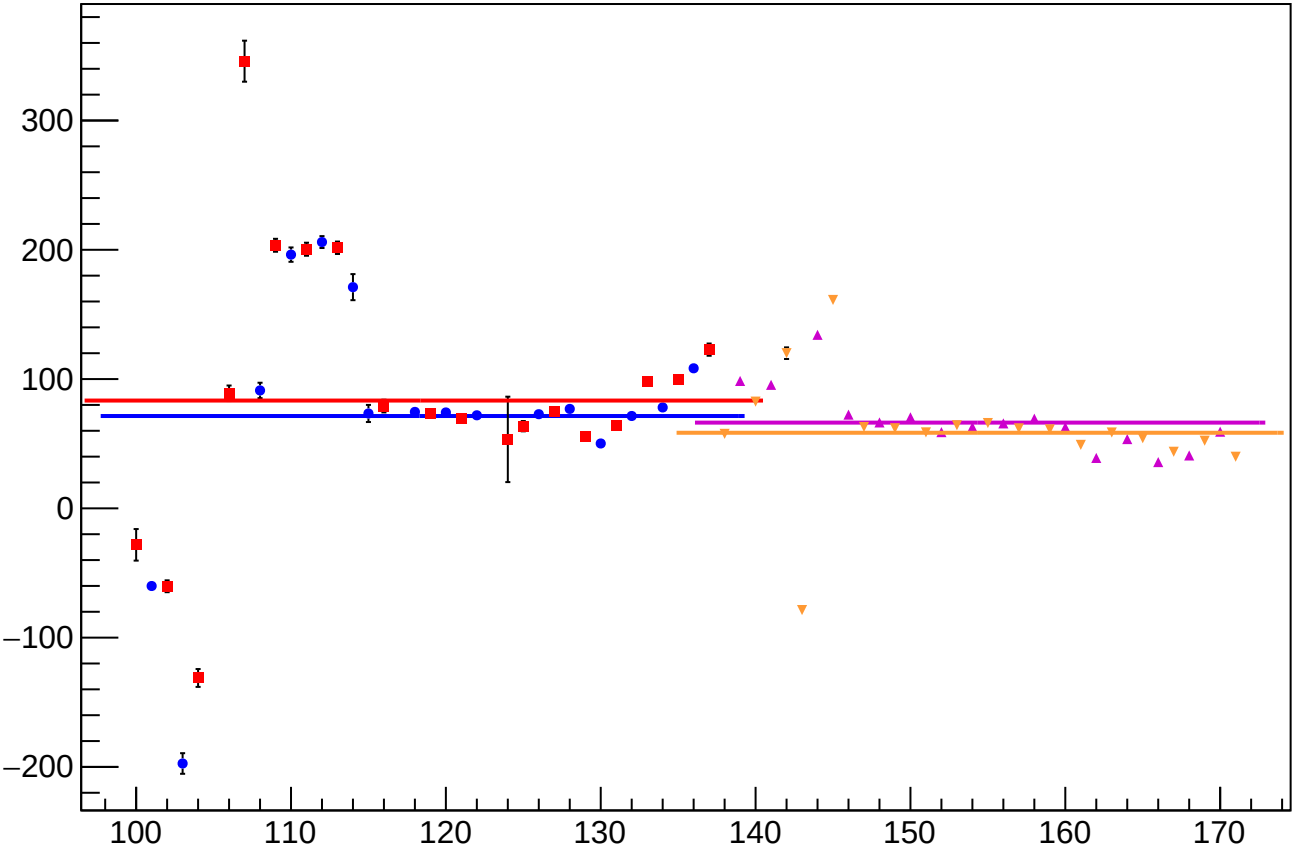
Left In: 8.637+/-0.489 χ^2/NDF:228.7/15

+ sign 9.715+/-0.405 χ^2/NDF: 944.9/33

All: 10.610+/-0.293 χ^2/NDF: 1599.5/68

- sign 11.599+/-0.426 χ^2/NDF: 644.3/34

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 58.471+/-0.657 χ^2/NDF:3026.6/17

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

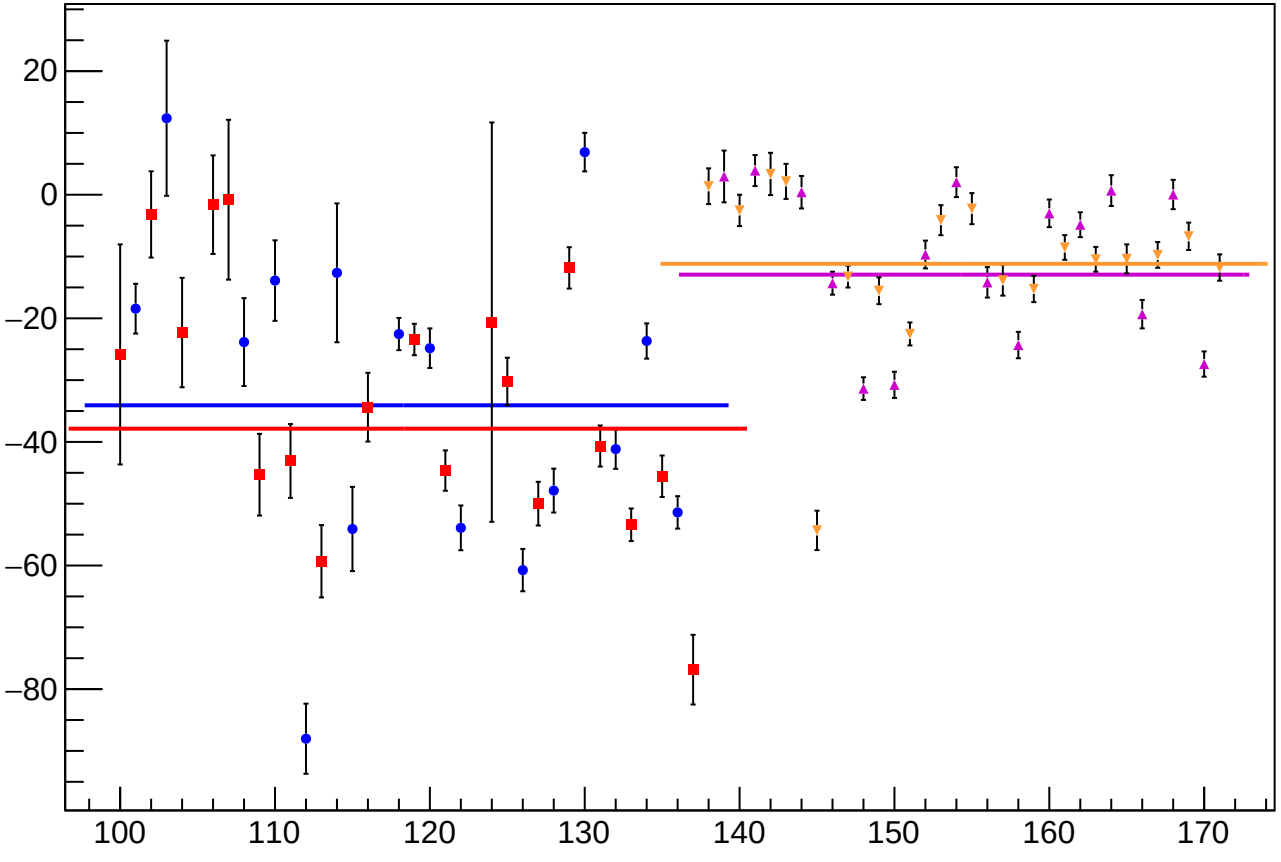
Left In: 66.319+/-0.675 χ^2/NDF:1140.3/15

+ sign 62.774+/-0.537 χ^2/NDF: 7975.3/33

All: 67.107+/-0.387 χ^2/NDF: 13752.5/68

- sign 71.777+/-0.557 χ^2/NDF: 5641.8/34

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.180+/-0.539 χ^2/NDF:328.9/17

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

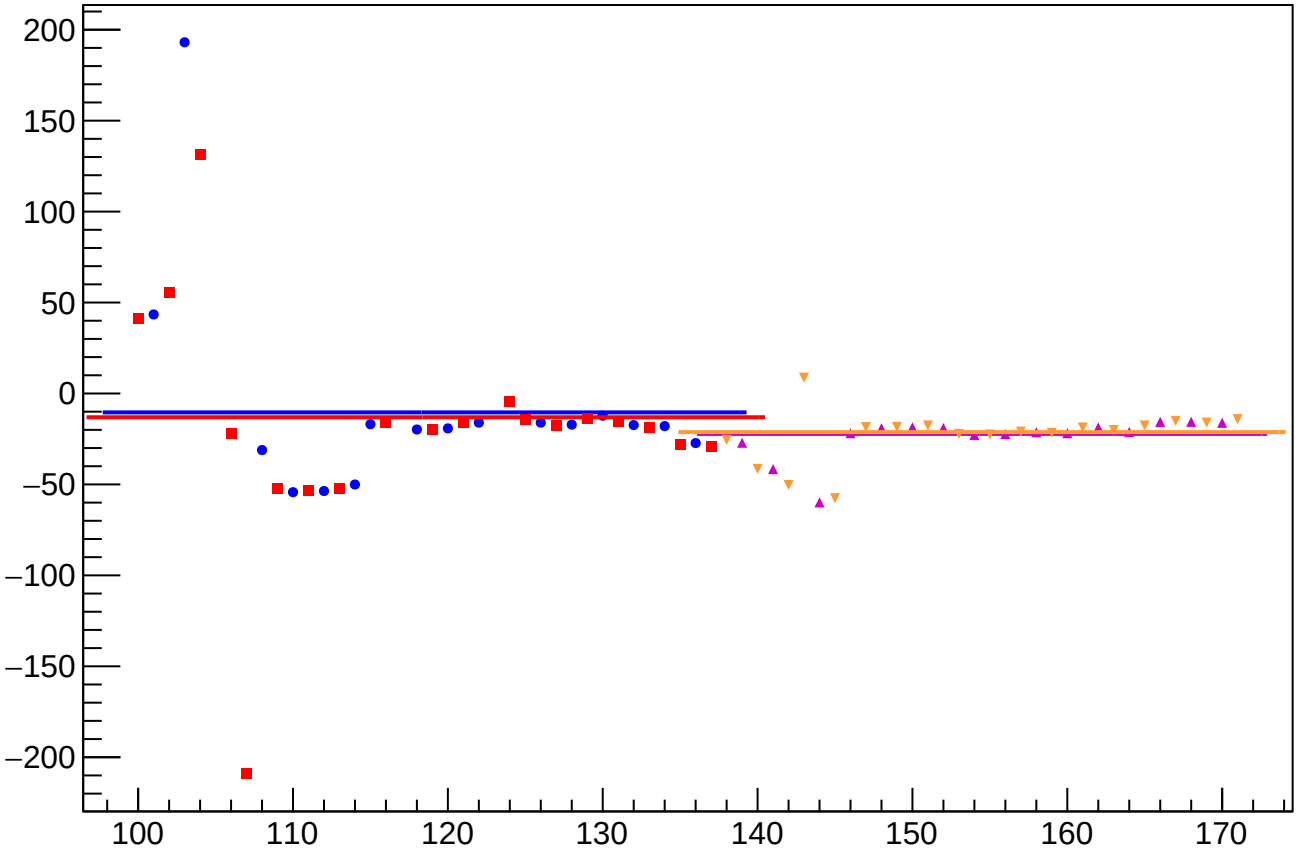
Left In: -12.933+/-0.565 χ^2/NDF:479.9/15

+ sign -16.819+/-0.468 χ^2/NDF: 1285.2/33

All: -17.863+/-0.339 χ^2/NDF: 2525.6/68

- sign -19.014+/-0.491 χ^2/NDF: 1229.9/34

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -21.229+/-0.024 χ^2/NDF:201799.3/17

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

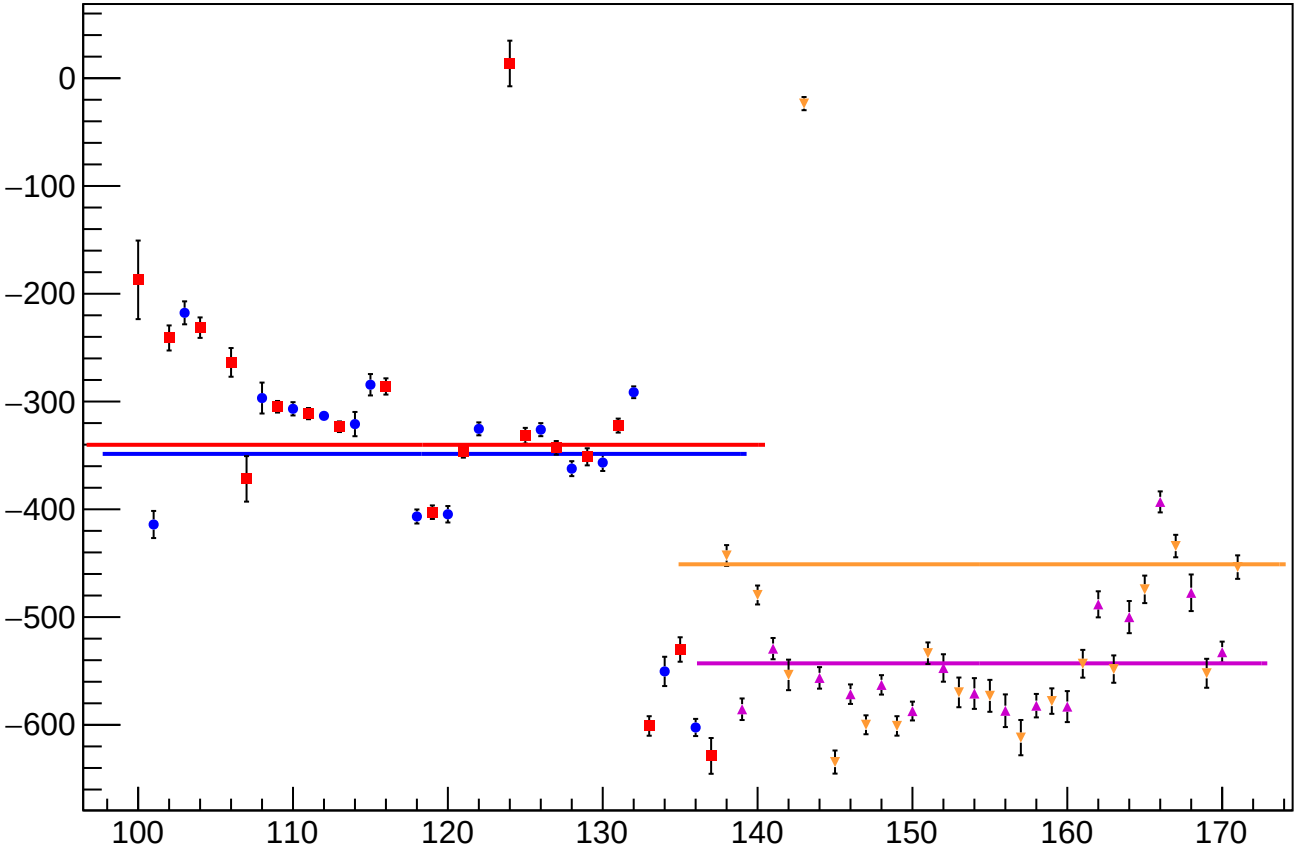
Left In: -22.246+/-0.025 χ^2/NDF:119958.6/15

+ sign -19.540+/-0.022 χ^2/NDF: 754792.2/33

All: -20.233+/-0.016 χ^2/NDF: 1344830.0/68

- sign -20.978+/-0.023 χ^2/NDF: 588059.5/34

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -451.012+/-2.489 χ^2/NDF:6391.3/17

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

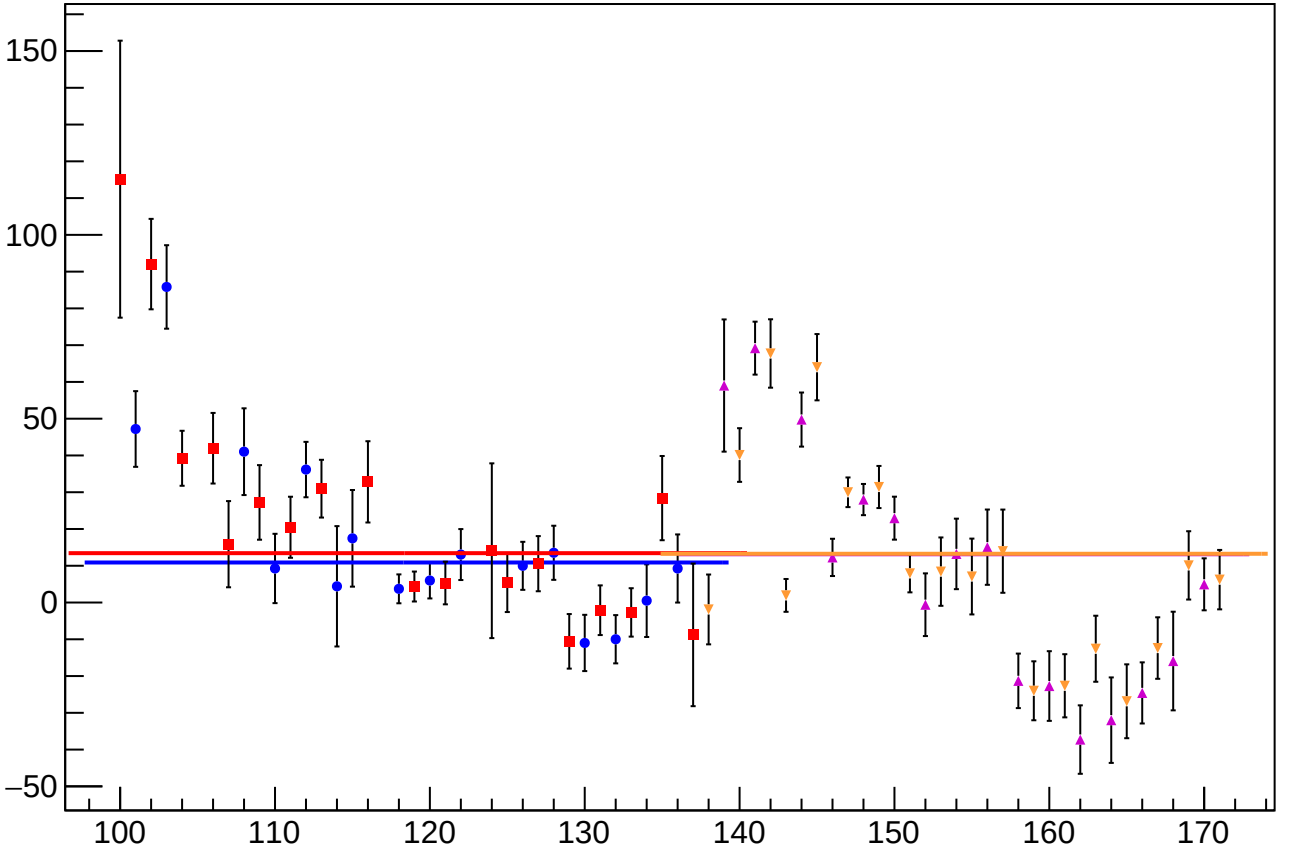
Left In: -542.922+/-2.749 χ^2/NDF:376.0/15

+ sign -384.396+/-1.472 χ^2/NDF: 9351.2/33

All: -391.687+/-1.044 χ^2/NDF: 15834.6/68

- sign -399.081+/-1.482 χ^2/NDF: 6434.0/34

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.259+/-1.679 χ^2/NDF:191.0/17

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

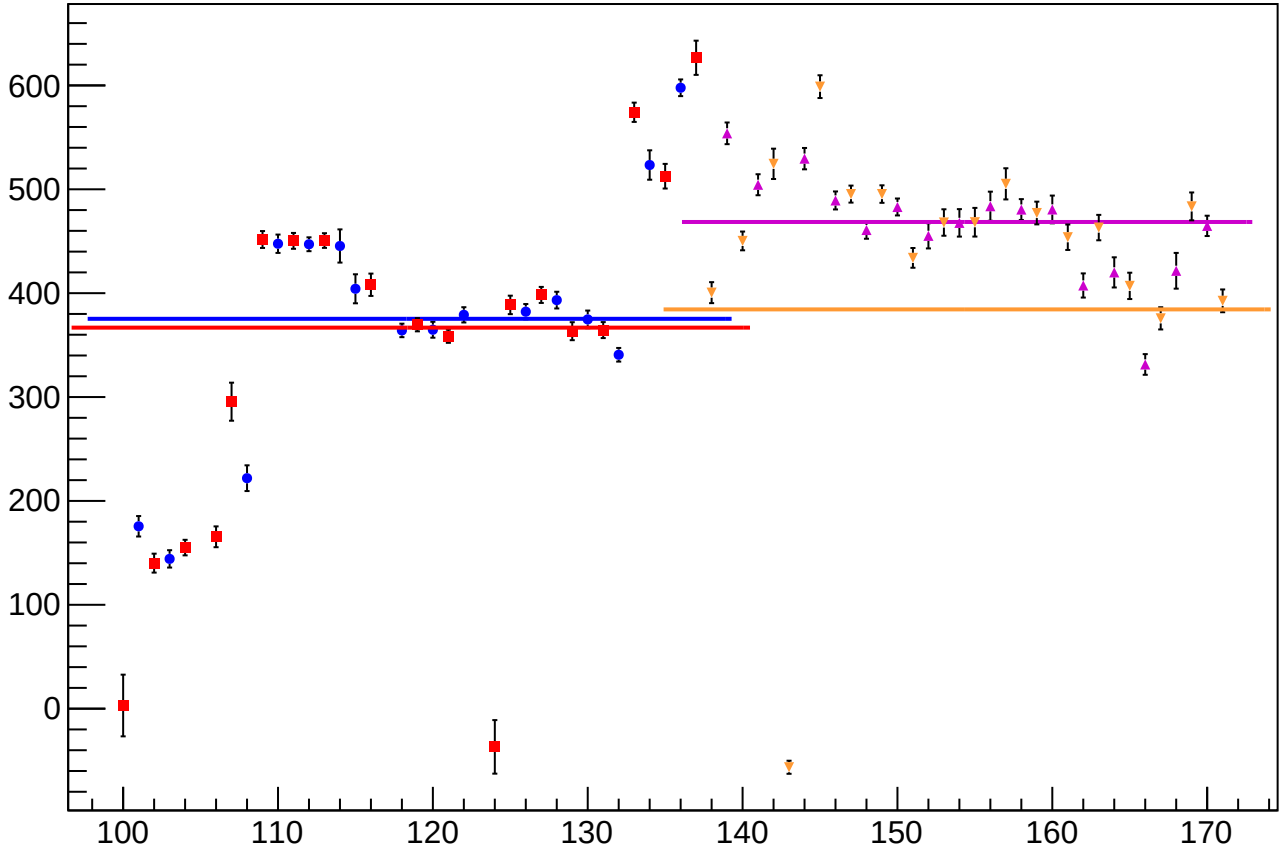
Left In: 13.123+/-1.866 χ^2/NDF:216.5/15

+ sign 12.183+/-1.241 χ^2/NDF: 290.2/33

All: 12.698+/-0.903 χ^2/NDF: 619.5/68

- sign 13.276+/-1.315 χ^2/NDF: 329.0/34

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 384.381+/-2.449 χ^2/NDF:6165.4/17

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

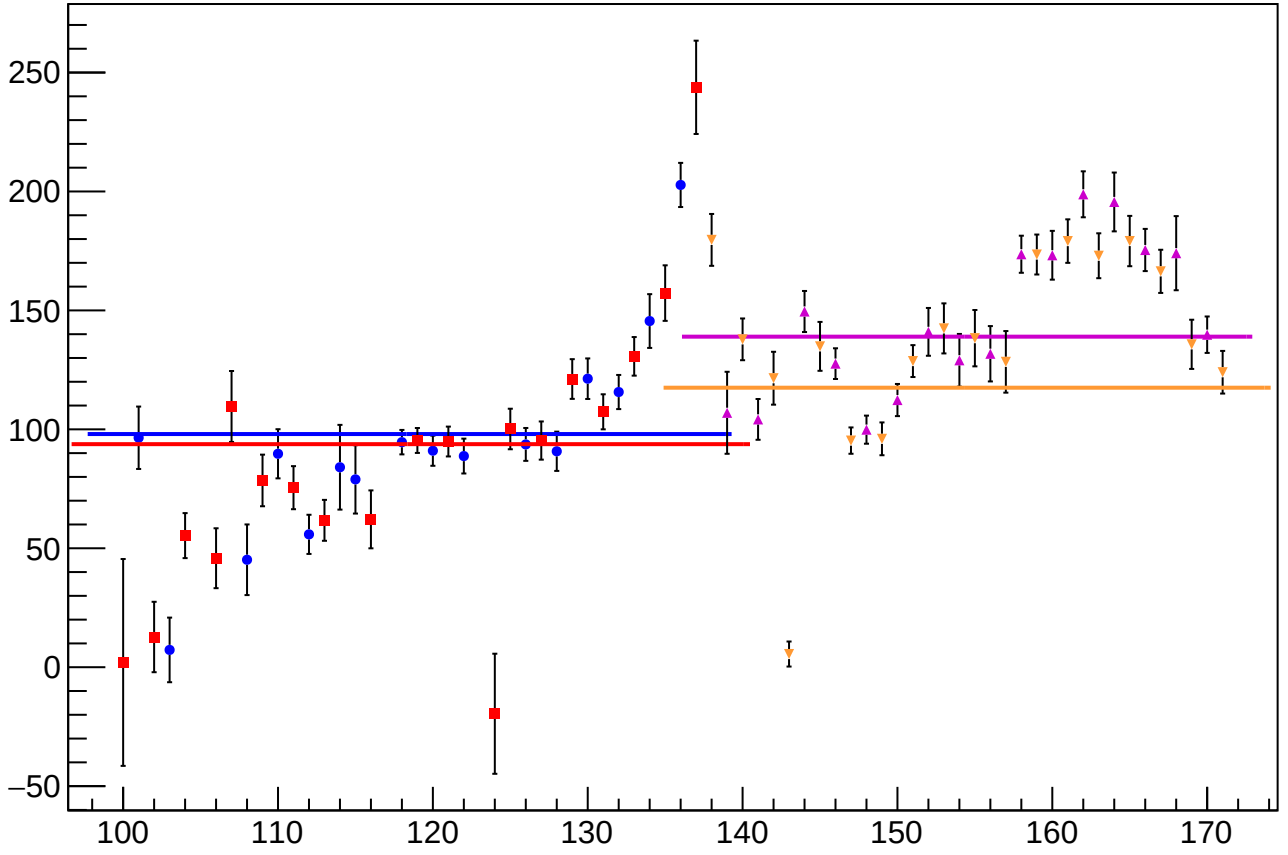
Left In: 468.540+/-2.672 χ^2/NDF:365.4/15

+ sign 379.166+/-1.595 χ^2/NDF: 8622.7/33

All: 391.588+/-1.139 χ^2/NDF: 13565.0/68

- sign 404.496+/-1.626 χ^2/NDF: 4818.6/34

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 117.505+/-1.987 χ^2/NDF:722.5/17

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

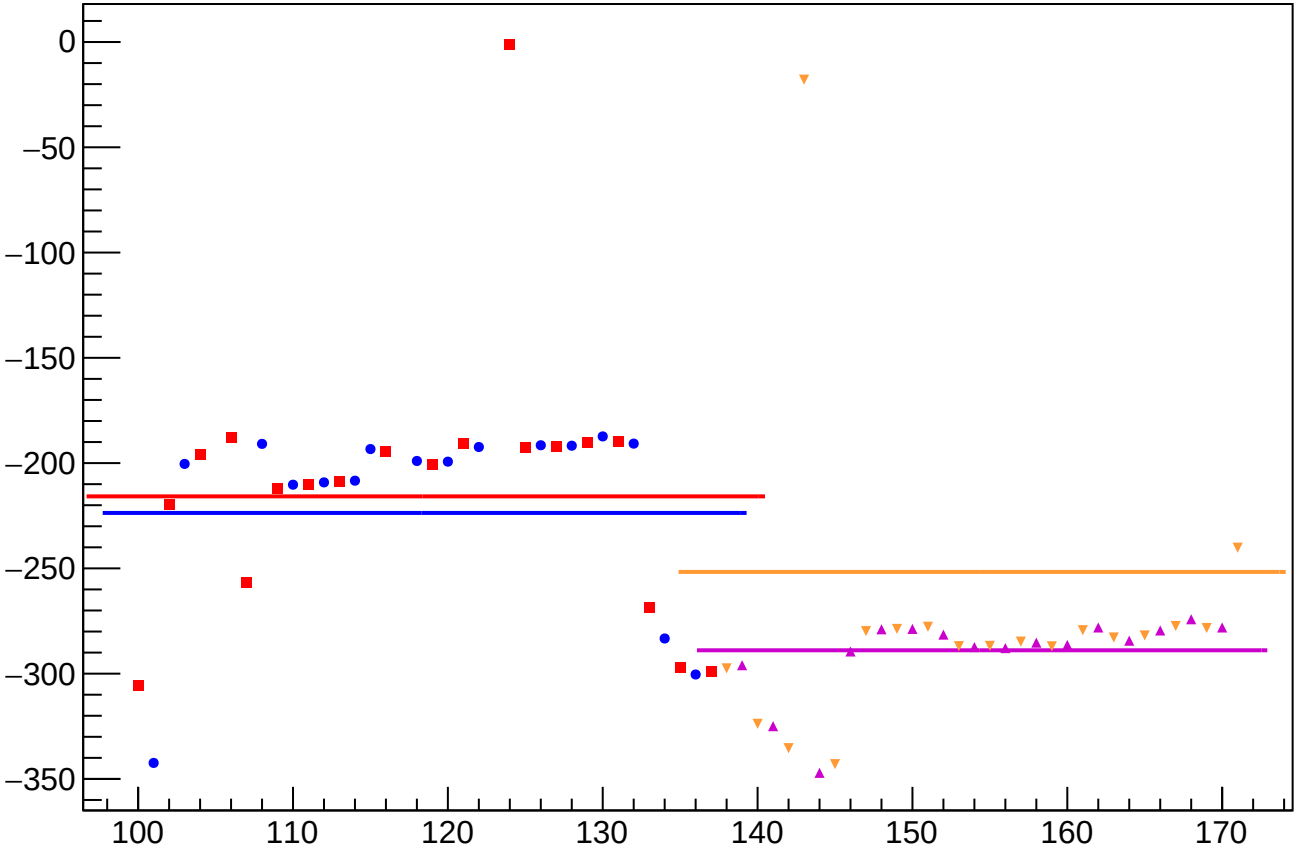
Left In: 138.962+/-2.195 χ^2/NDF:197.3/15

\+ sign 108.504+/-1.457 χ^2/NDF: 1016.4/33

All: 111.957+/-1.056 χ^2/NDF: 1680.1/68

\- sign 115.773+/-1.532 χ^2/NDF: 651.8/34

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -251.682+/-0.095 χ^2/NDF:972432.4/17

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

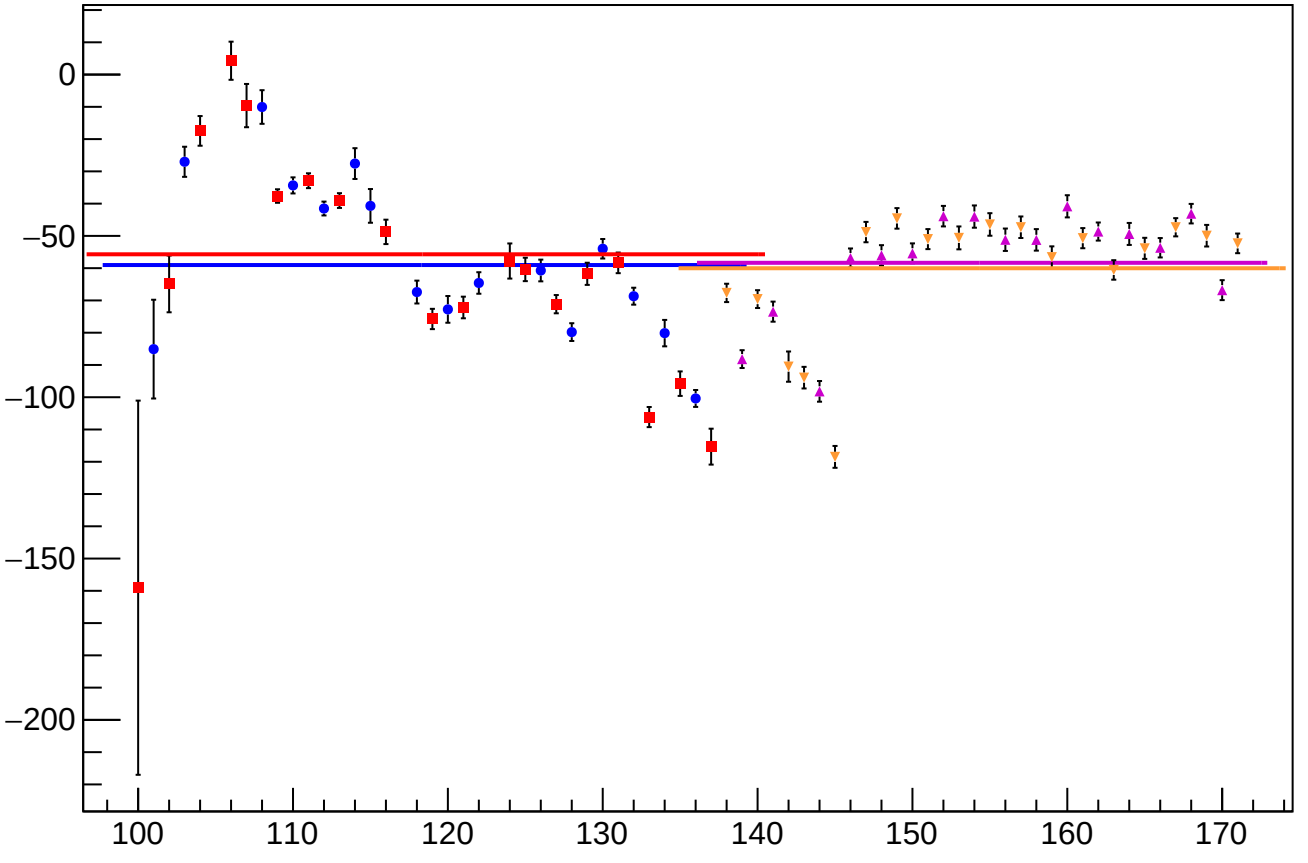
Left In: -288.906+/-0.102 χ^2/NDF:29017.8/15

+ sign -242.751+/-0.078 χ^2/NDF: 1121921.0/33

All: -252.152+/-0.056 χ^2/NDF: 1450987.8/68

- sign -262.280+/-0.081 χ^2/NDF: 298952.5/34

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -60.026+/-0.756 χ^2/NDF:592.3/17

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

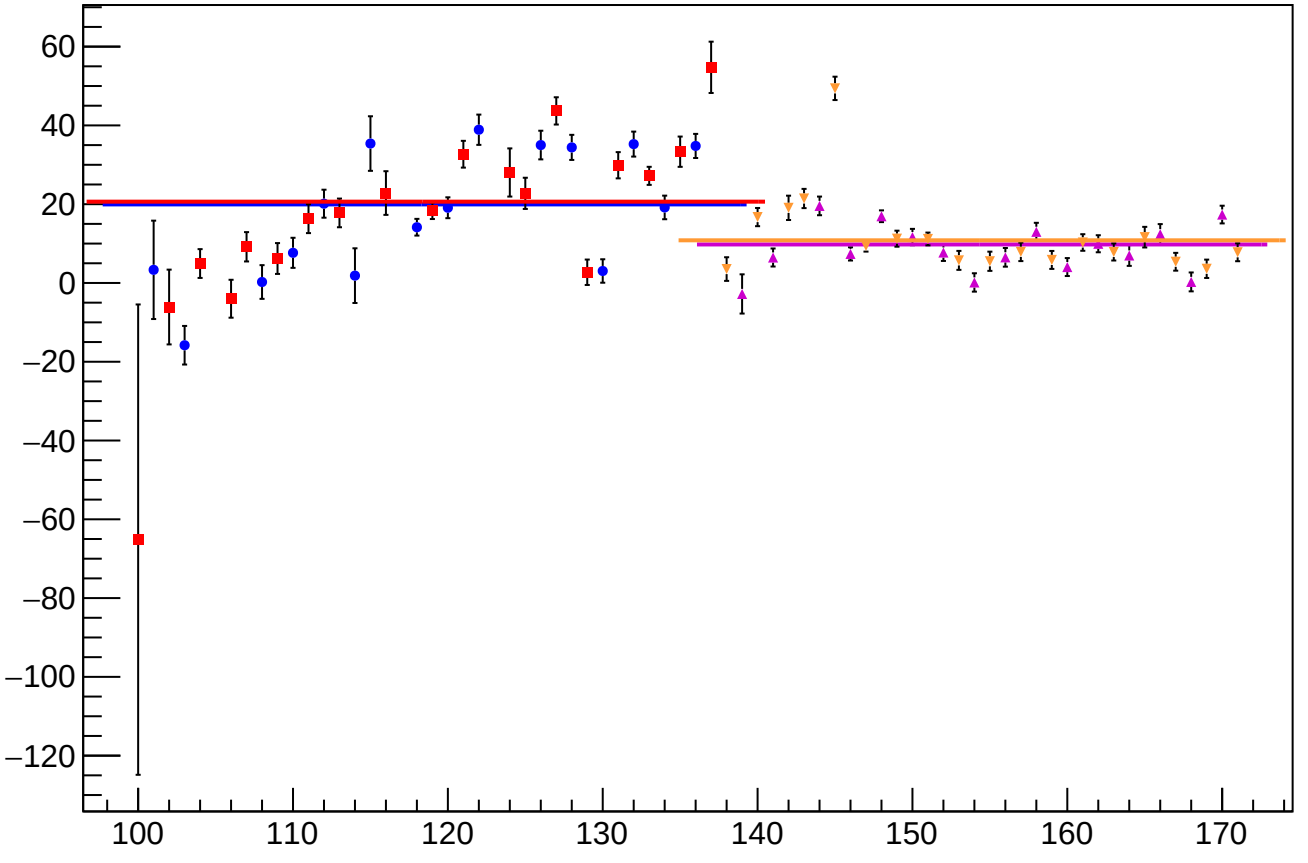
Left In: -58.339+/-0.784 χ^2/NDF:423.3/15

+ sign -59.574+/-0.559 χ^2/NDF: 1320.4/33

All: -58.296+/-0.394 χ^2/NDF: 2800.9/68

- sign -57.031+/-0.556 χ^2/NDF: 1470.1/34

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.828+/-0.523 χ^2/NDF:243.6/17

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

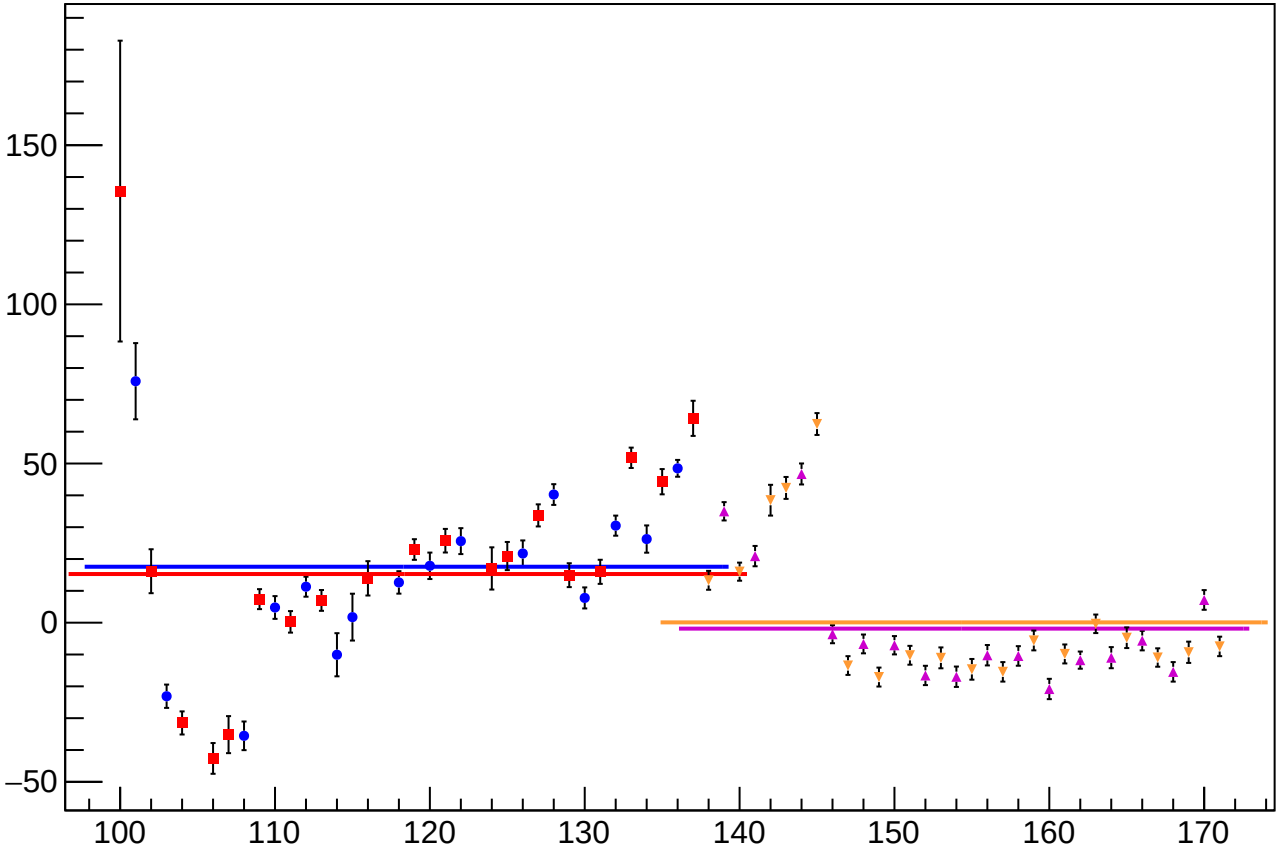
Left In: 9.778+/-0.551 χ^2/NDF:109.0/15

+ sign 13.261+/-0.448 χ^2/NDF: 571.8/33

All: 13.147+/-0.321 χ^2/NDF: 1021.9/68

- sign 13.027+/-0.461 χ^2/NDF: 450.0/34

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 0.093+/-0.739 χ^2/NDF:763.5/17

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

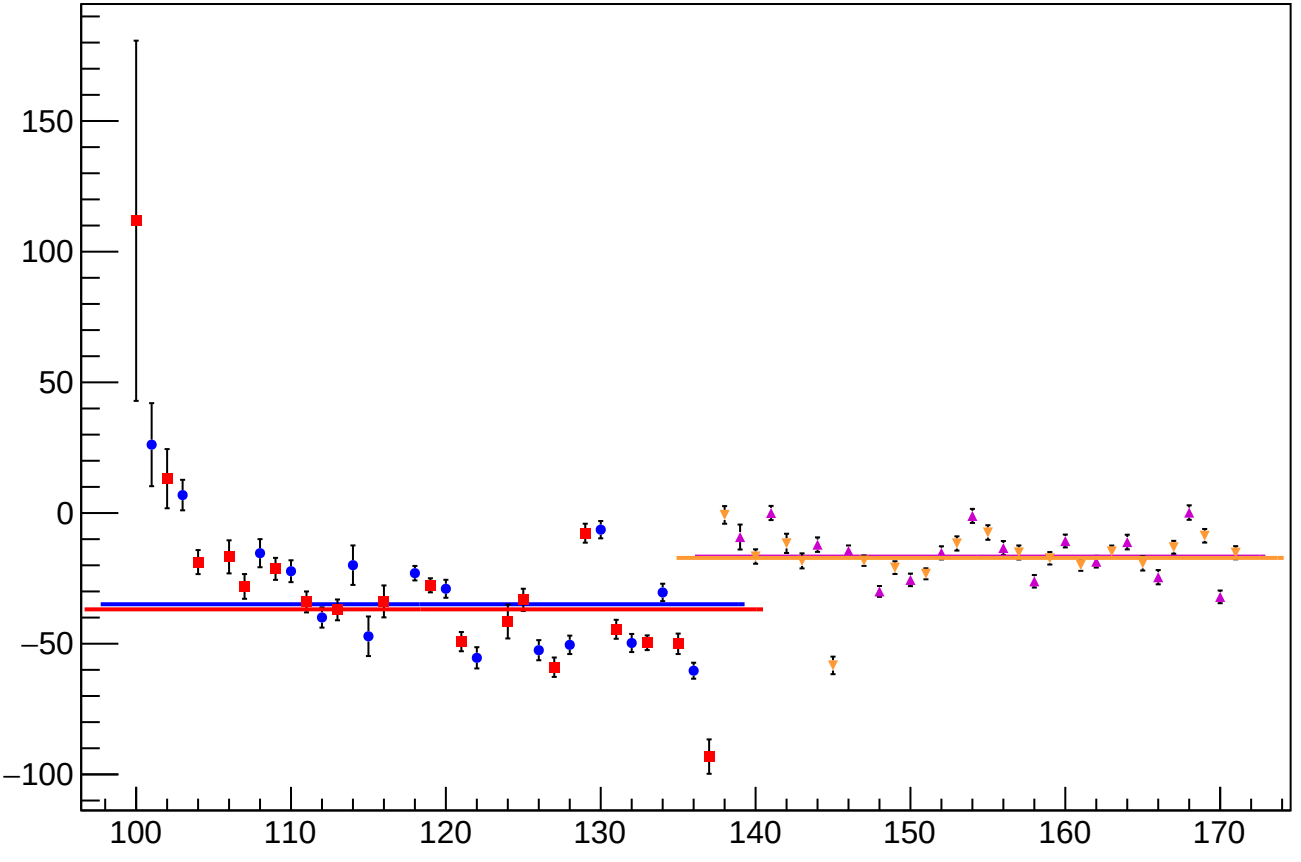
Left In: -1.867+/-0.762 χ^2/NDF:584.3/15

+ sign 6.628+/-0.585 χ^2/NDF: 1518.8/33

All: 5.814+/-0.415 χ^2/NDF: 3039.5/68

- sign 4.985+/-0.590 χ^2/NDF: 1516.8/34

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.162+/-0.607 χ^2/NDF:221.5/17

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

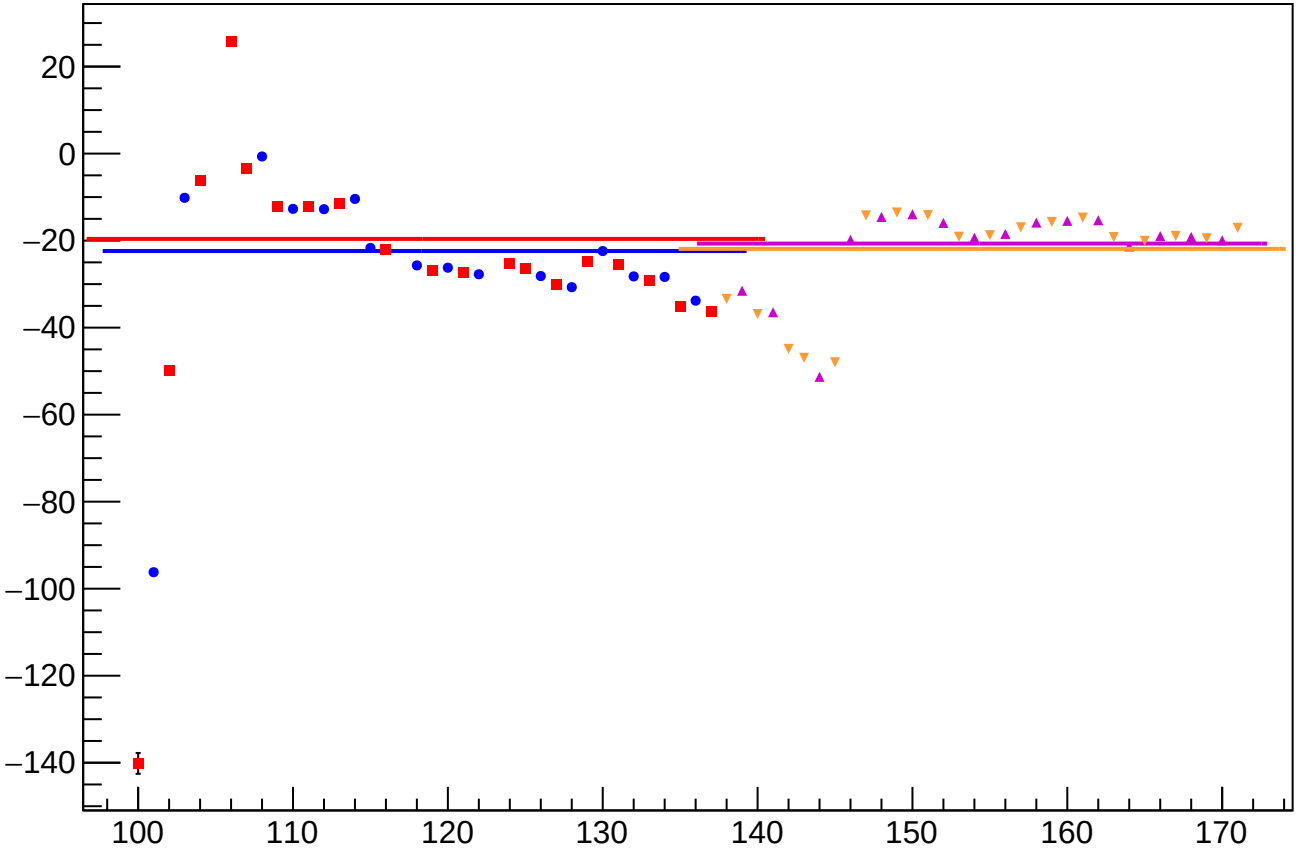
Left In: -16.665+/-0.637 χ^2/NDF:245.8/15

+ sign -22.001+/-0.517 χ^2/NDF: 801.4/33

All: -22.364+/-0.371 χ^2/NDF: 1652.5/68

- sign -22.749+/-0.532 χ^2/NDF: 850.1/34

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.897+/-0.028 χ^2/NDF:133795.3/17

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

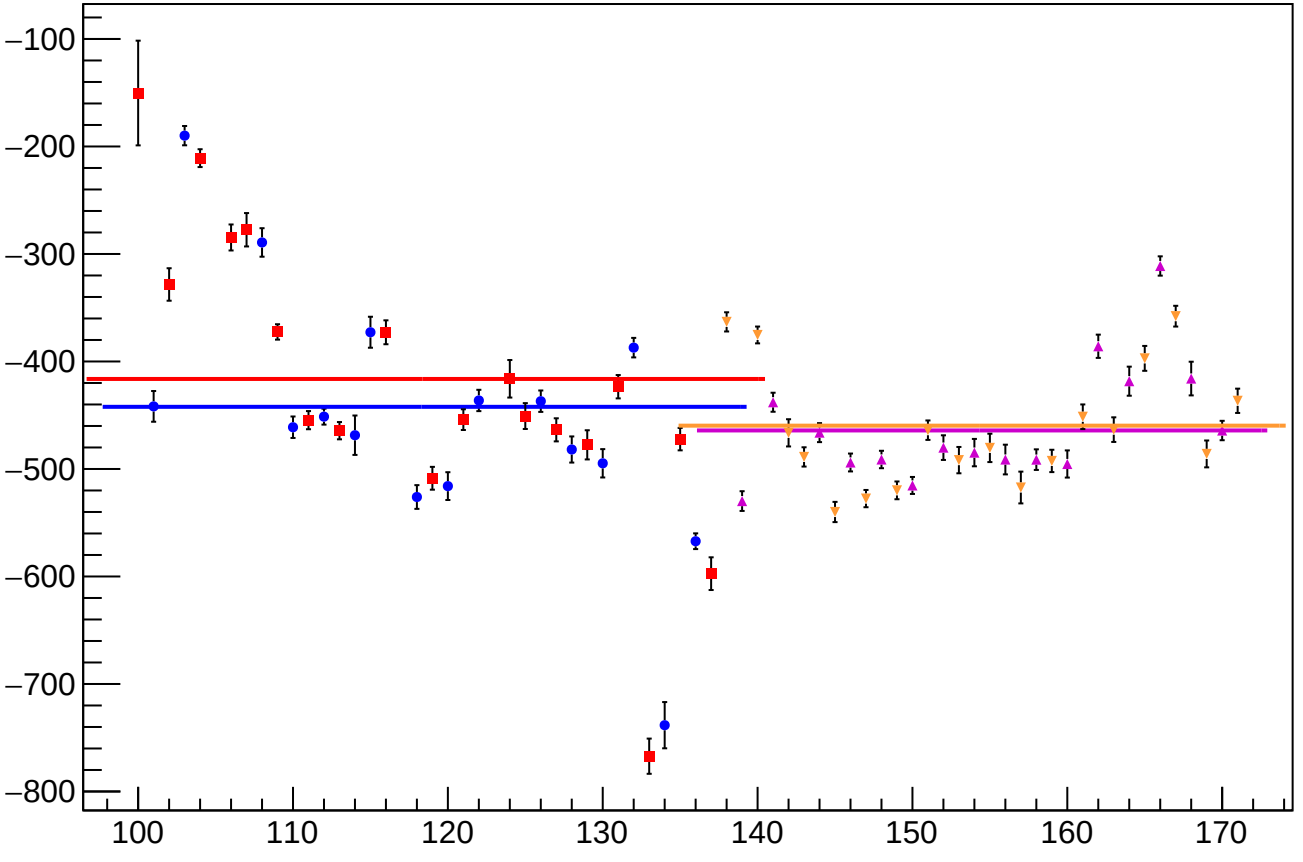
Left In: -20.680+/-0.028 χ^2/NDF:84928.8/15

+ sign -21.987+/-0.025 χ^2/NDF: 180374.4/33

All: -21.254+/-0.018 χ^2/NDF: 351217.7/68

- sign -20.481+/-0.026 χ^2/NDF: 169060.9/34

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -459.696+/-2.390 χ^2/NDF:625.5/17

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

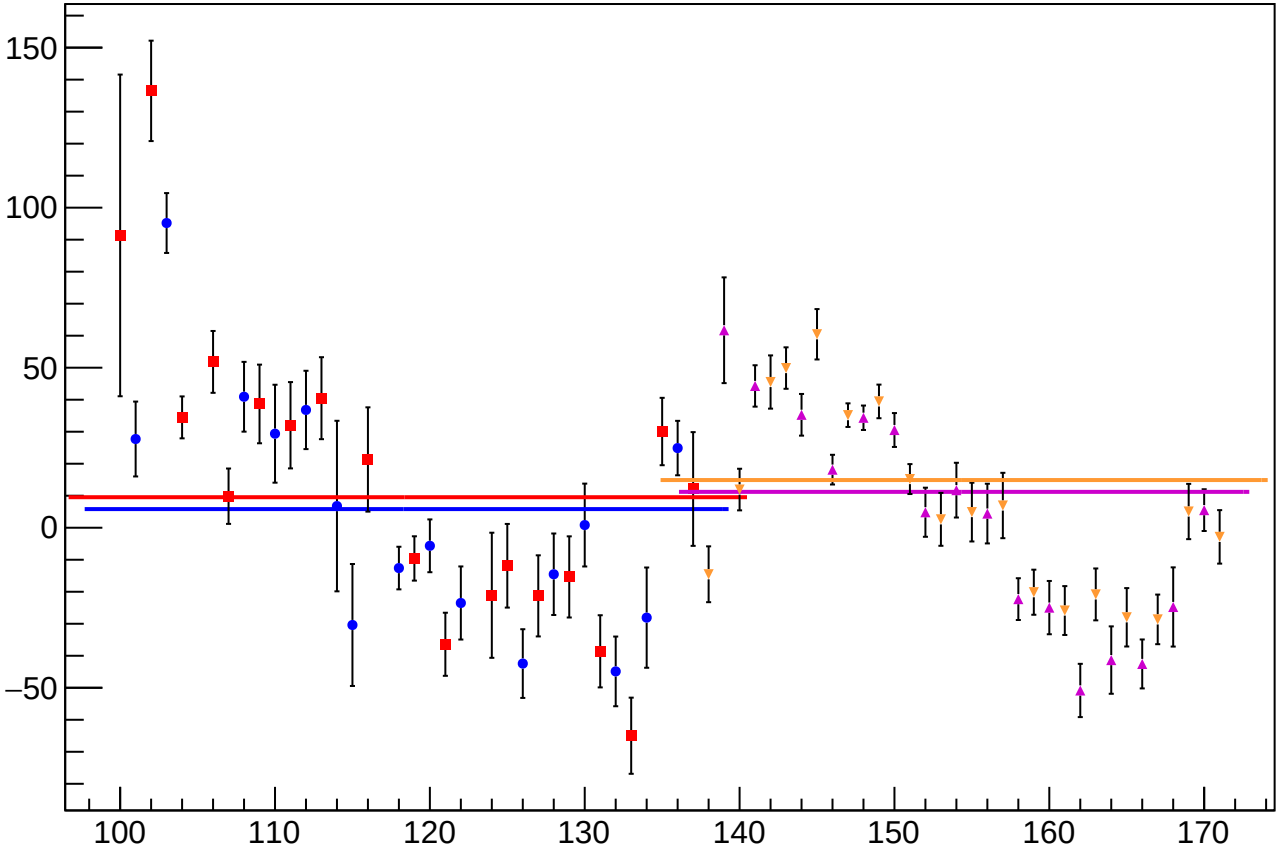
Left In: -464.159+/-2.484 χ^2/NDF:512.3/15

+ sign -451.945+/-1.784 χ^2/NDF: 2238.4/33

All: -446.217+/-1.256 χ^2/NDF: 4708.1/68

- sign -440.580+/-1.770 χ^2/NDF: 2449.2/34

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 14.897+/-1.598 χ^2/NDF:276.1/17

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

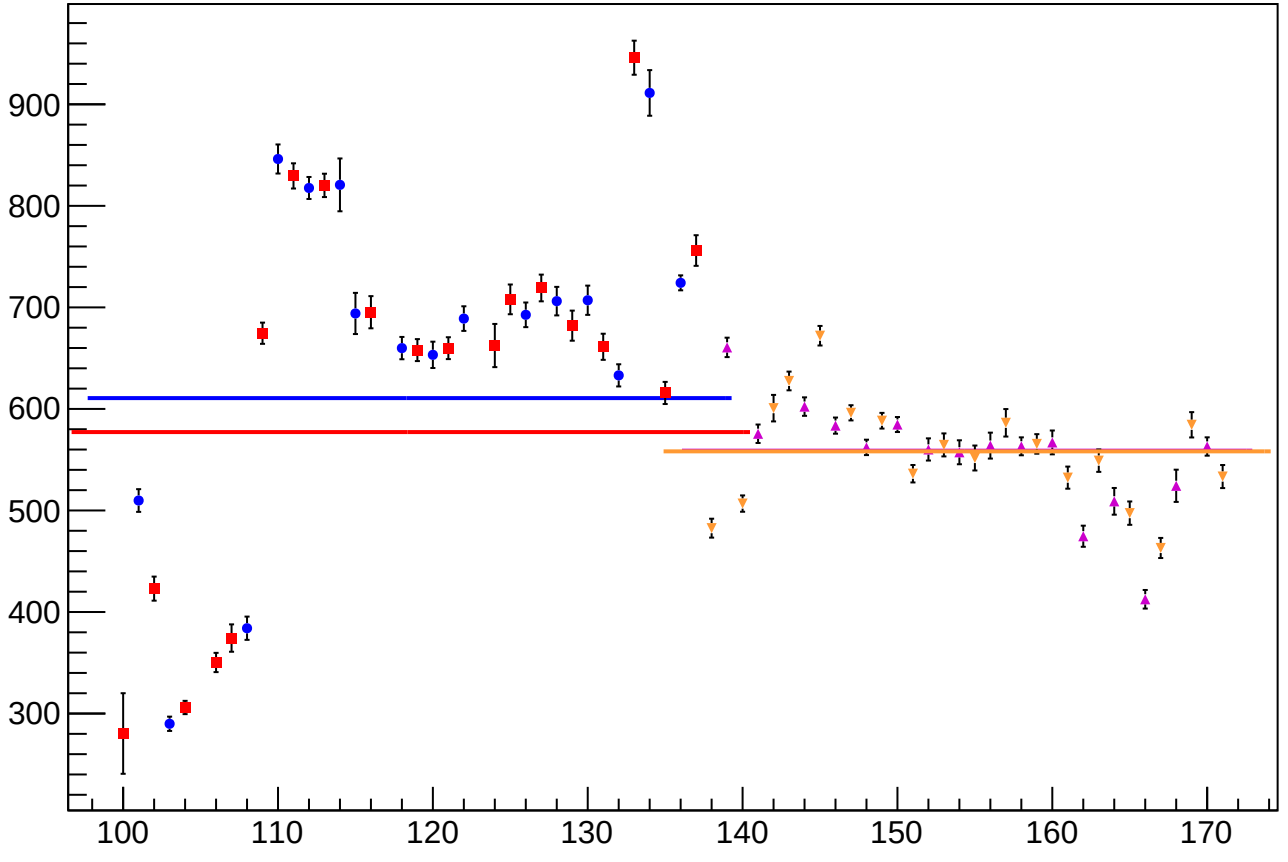
Left In: 11.207+/-1.684 χ^2/NDF:287.2/15

+ sign 12.580+/-1.379 χ^2/NDF: 472.5/33

All: 11.659+/-0.984 χ^2/NDF: 983.1/68

- sign 10.701+/-1.406 χ^2/NDF: 509.7/34

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 558.217+/-2.339 χ^2/NDF:502.6/17

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

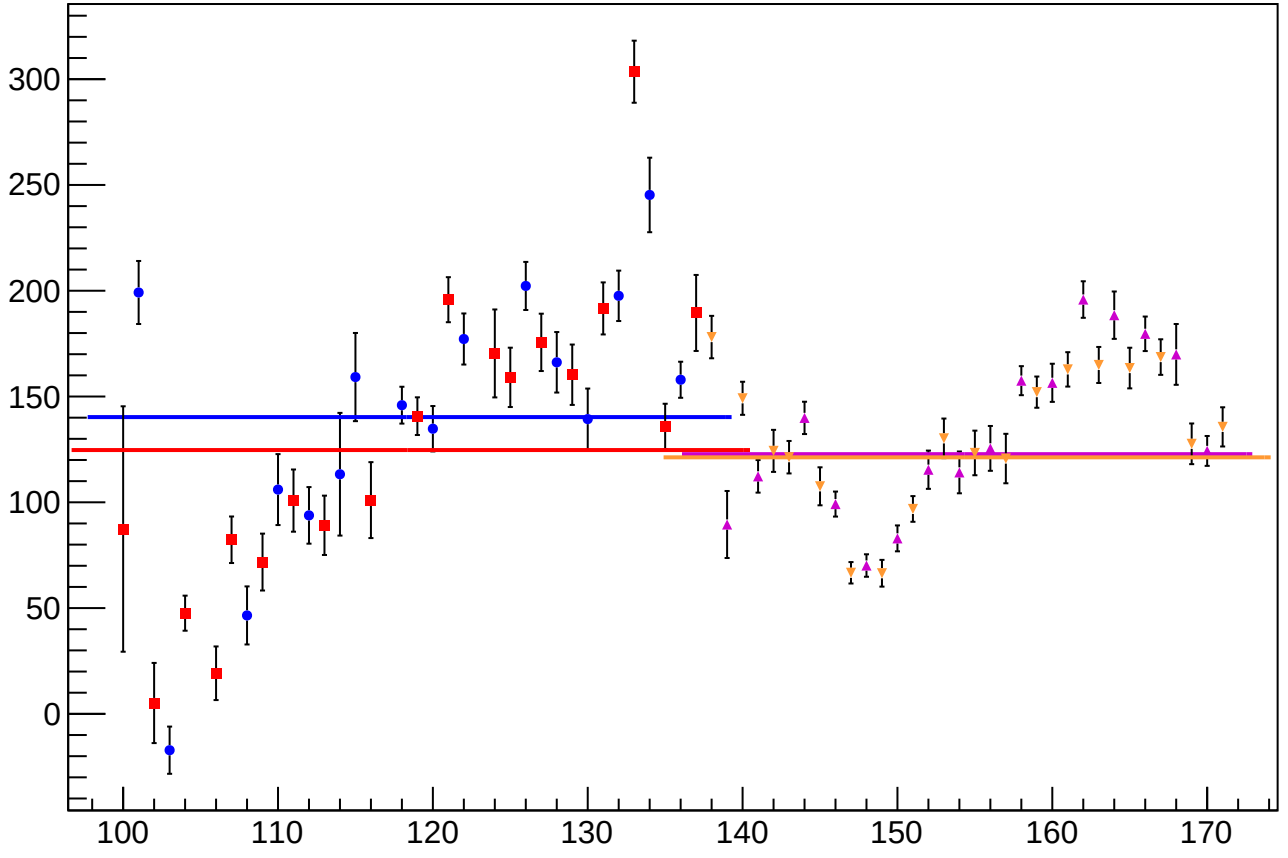
Left In: 558.891+/-2.414 χ^2/NDF:502.8/15

+ sign 578.952+/-1.819 χ^2/NDF: 4594.0/33

All: 572.888+/-1.285 χ^2/NDF: 9944.3/68

- sign 566.844+/-1.815 χ^2/NDF: 5328.2/34

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 121.252+/-1.891 χ^2/NDF:379.6/17

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

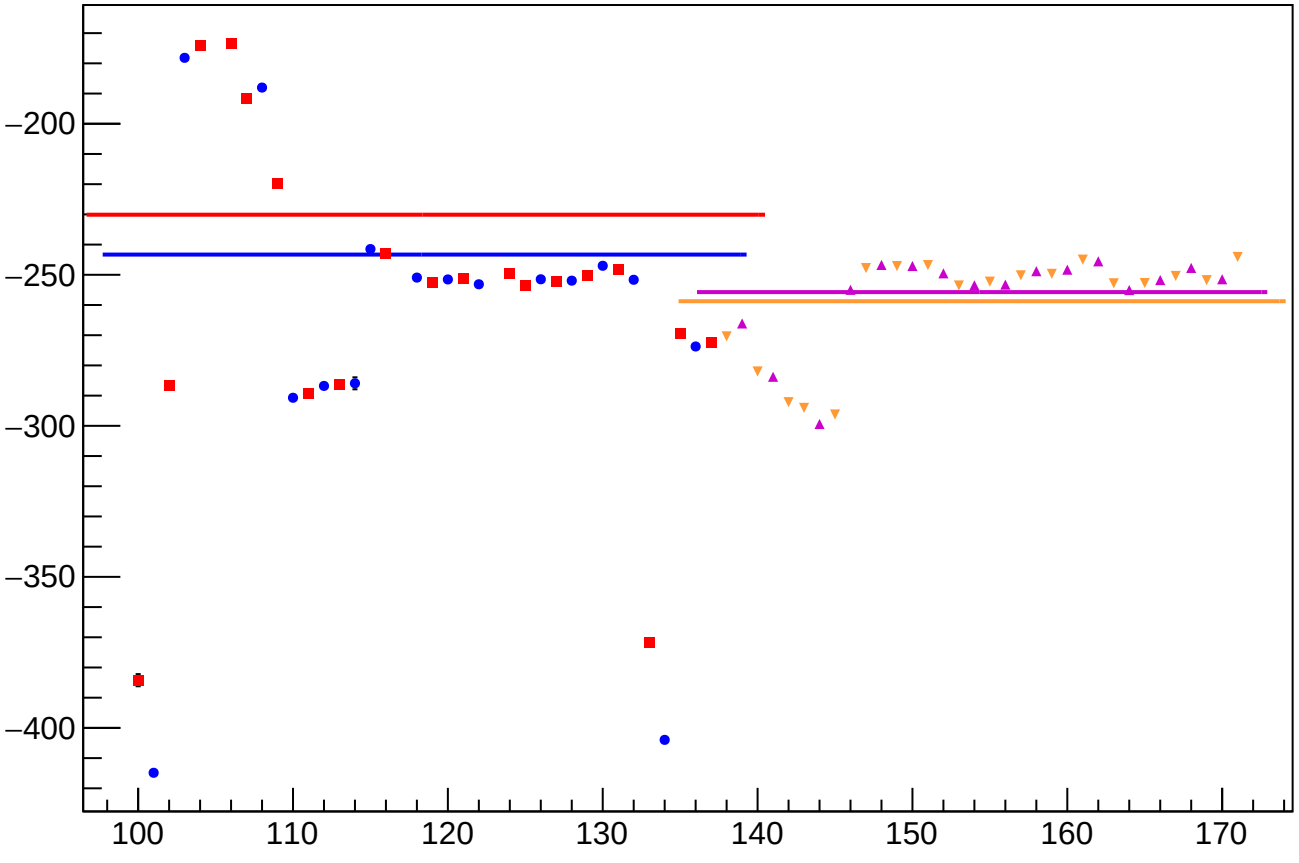
Left In: 122.755+/-1.981 χ^2/NDF:374.2/15

+ sign 126.291+/-1.622 χ^2/NDF: 791.8/33

All: 124.846+/-1.156 χ^2/NDF: 1676.5/68

- sign 123.350+/-1.649 χ^2/NDF: 883.1/34

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -258.753+/-0.090 χ^2/NDF:36224.0/17

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

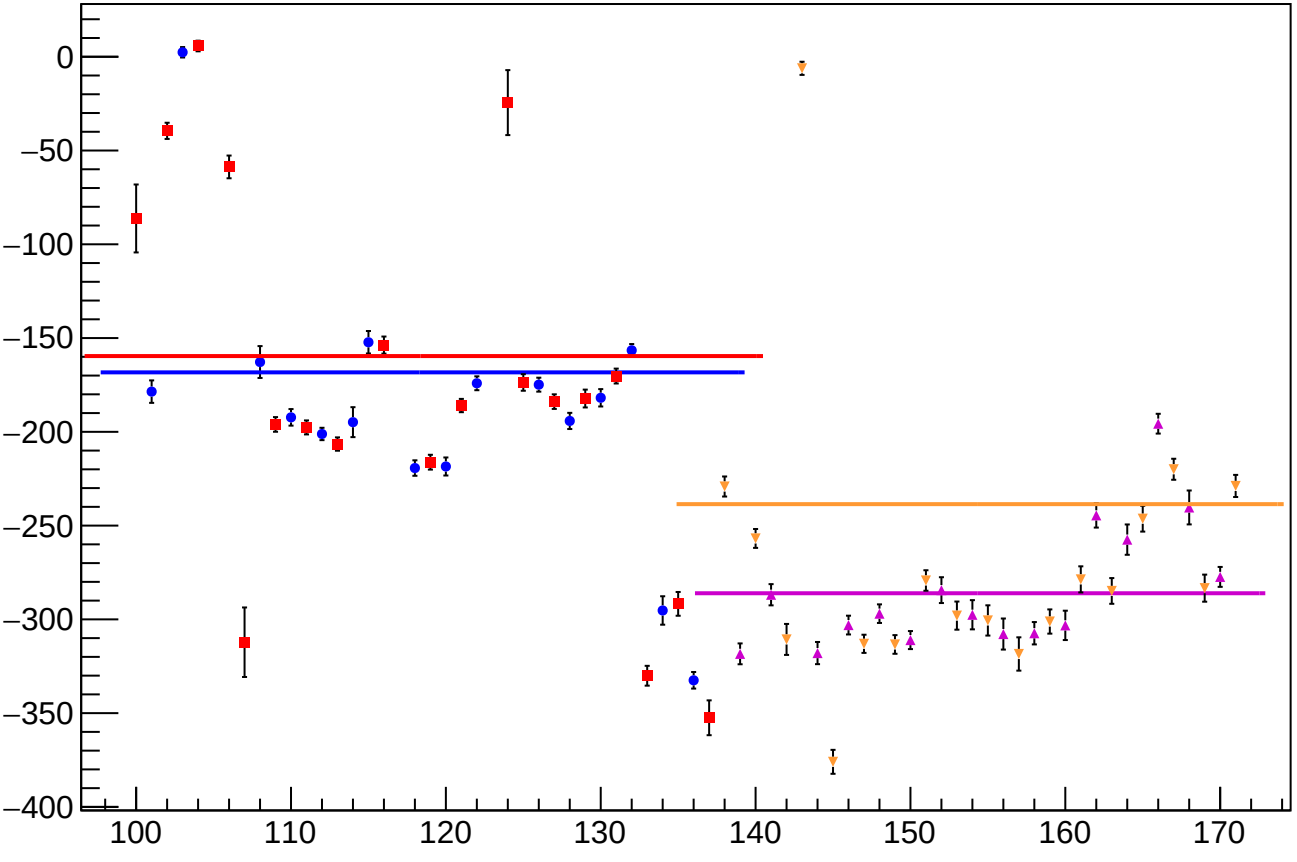
Left In: -255.729+/-0.092 χ^2/NDF:22150.8/15

+ sign -255.134+/-0.079 χ^2/NDF: 216628.3/33

All: -252.203+/-0.056 χ^2/NDF: 363806.0/68

- sign -249.225+/-0.079 χ^2/NDF: 144378.2/34

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.558+/-1.382 χ^2/NDF:5887.7/17

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

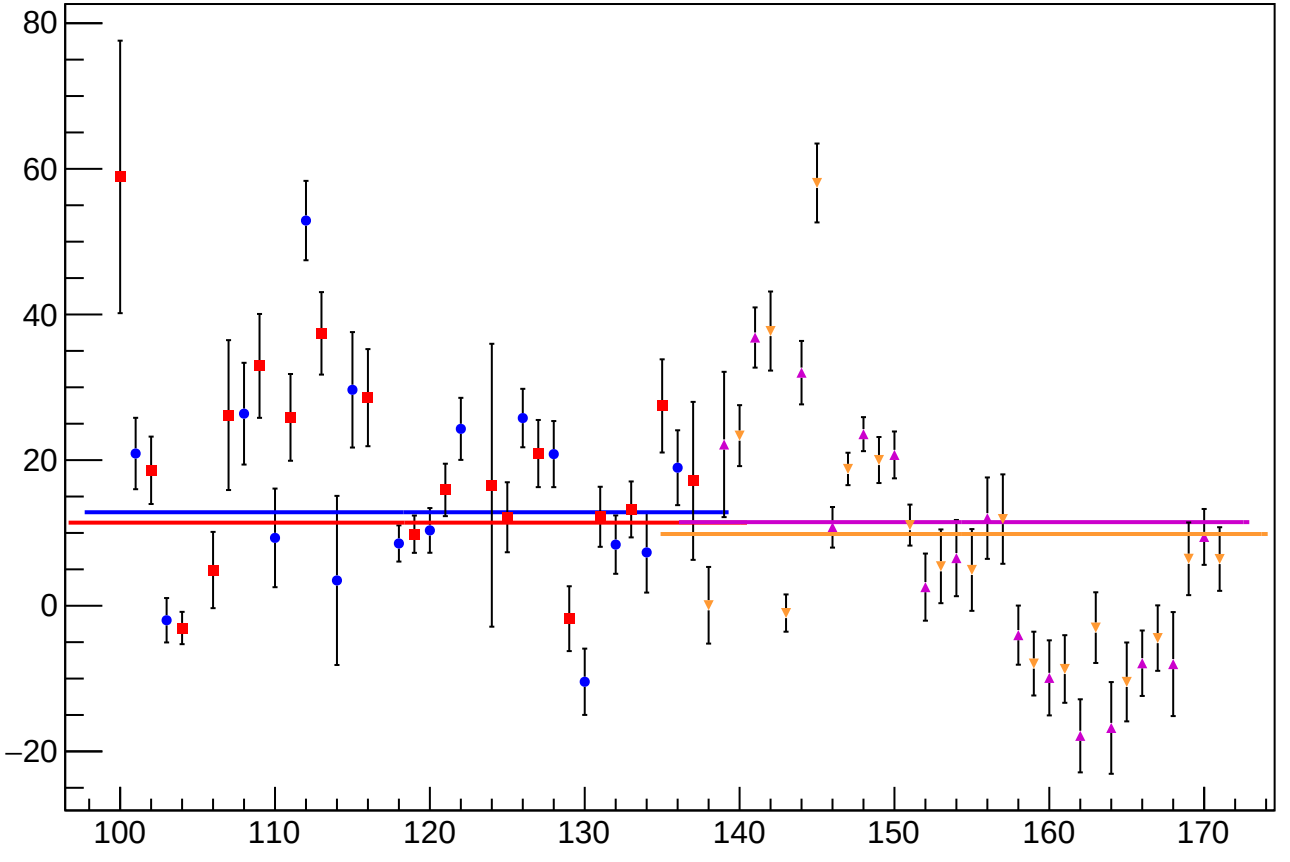
Left In: -286.070+/-1.516 χ^2/NDF:508.1/15

+ sign -194.815+/-0.849 χ^2/NDF: 13405.8/33

All: -197.472+/-0.604 χ^2/NDF: 25856.8/68

- sign -200.194+/-0.859 χ^2/NDF: 12431.2/34

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 9.853+/-0.930 χ^2/NDF:230.4/17

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

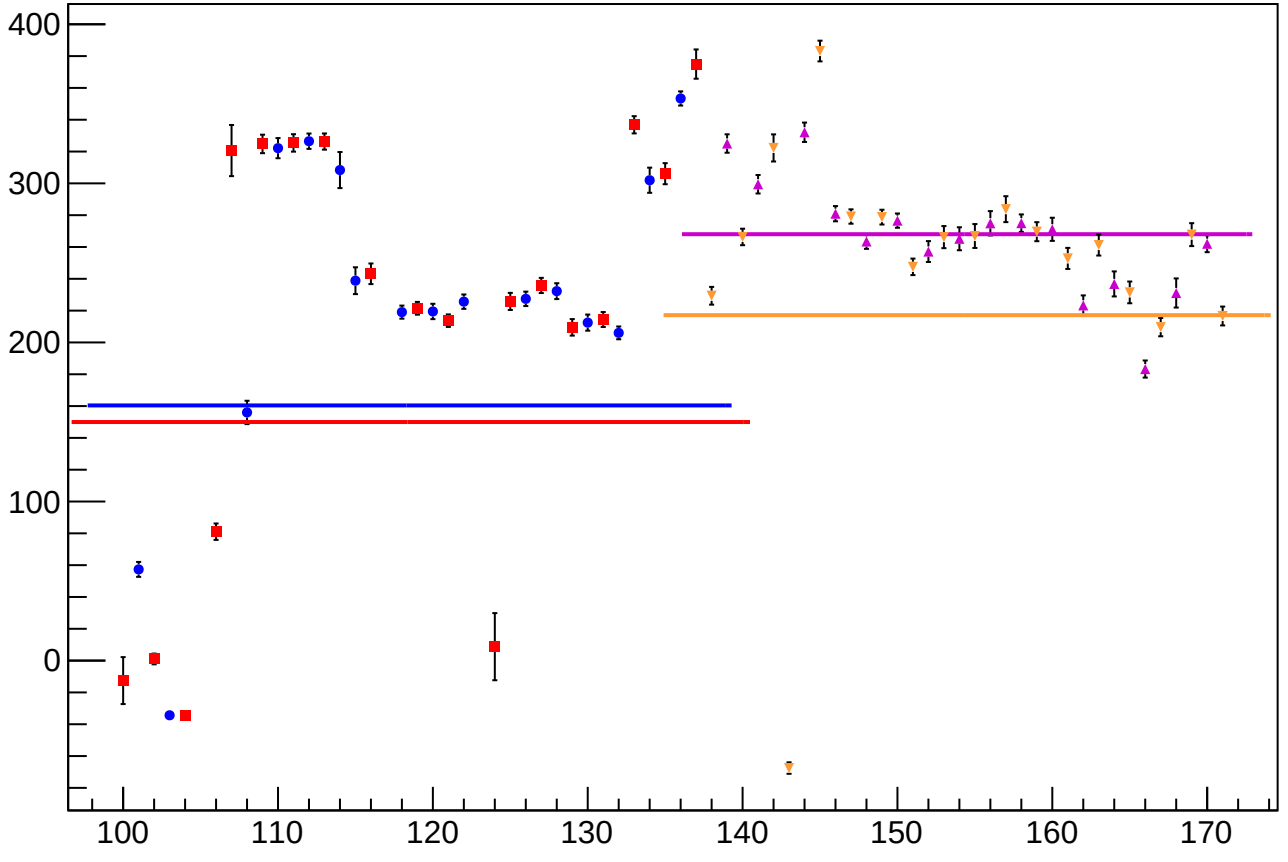
Left In: 11.484+/-1.028 χ^2/NDF:213.1/15

\+ sign 11.130+/-0.704 χ^2/NDF: 378.6/33

All: 11.284+/-0.507 χ^2/NDF: 711.3/68

\- sign 11.449+/-0.730 χ^2/NDF: 332.7/34

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 217.151+/-1.357 χ^2/NDF:7883.2/17

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

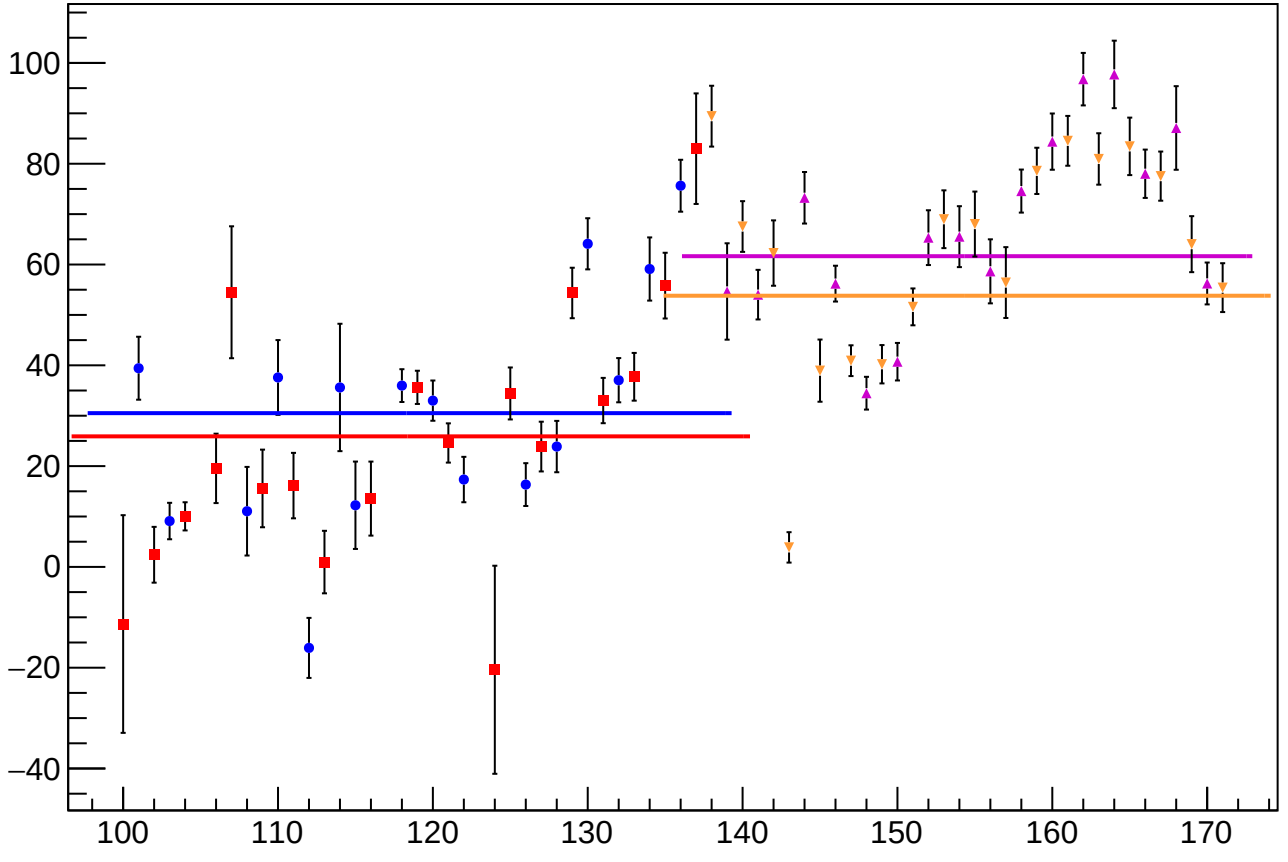
Left In: 268.041+/-1.473 χ^2/NDF:586.7/15

+ sign 183.852+/-0.873 χ^2/NDF: 22858.5/33

All: 188.160+/-0.621 χ^2/NDF: 43867.4/68

- sign 192.589+/-0.885 χ^2/NDF: 20959.4/34

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.808+/-1.099 χ^2/NDF:517.0/17

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

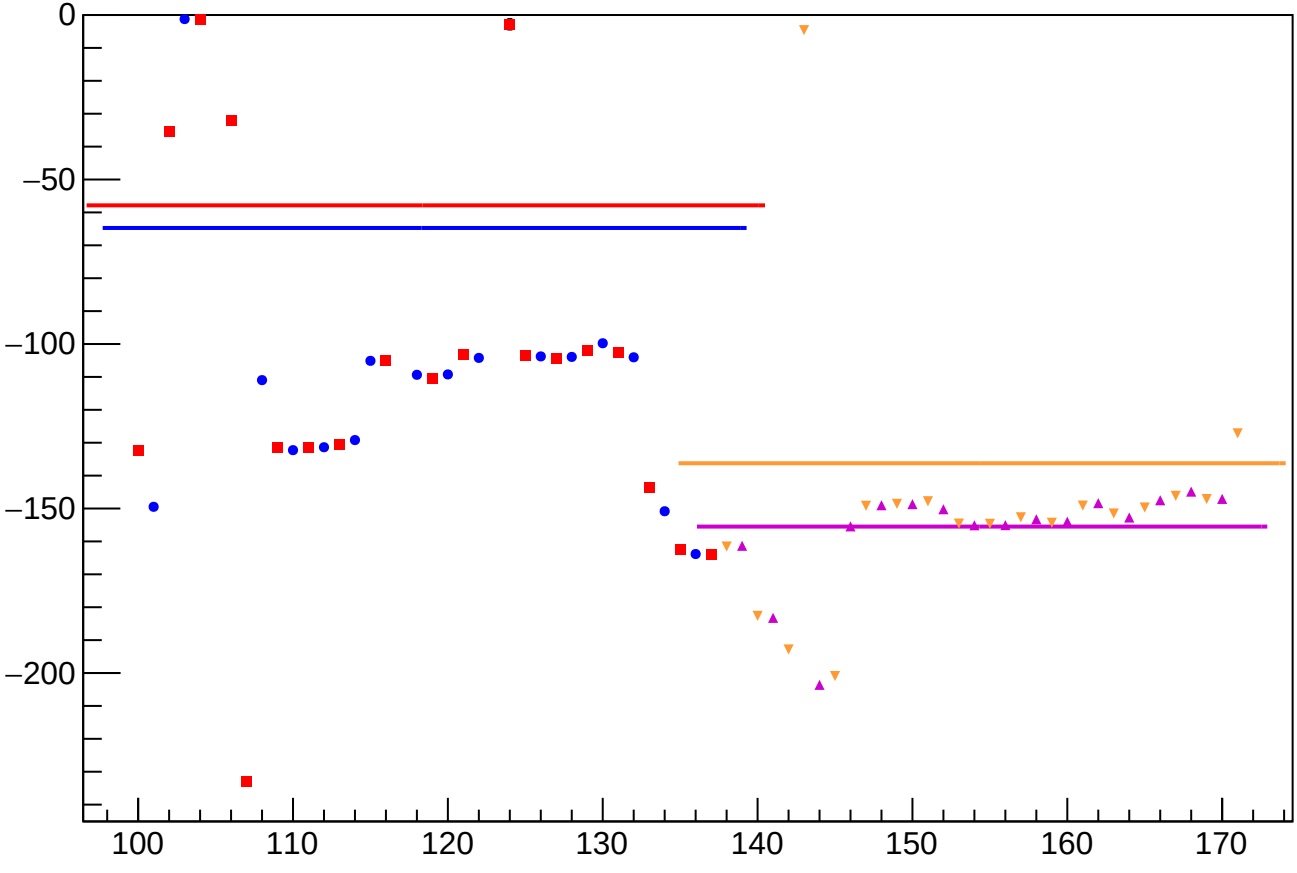
Left In: 61.653+/-1.209 χ^2/NDF:236.0/15

+ sign 43.687+/-0.827 χ^2/NDF: 989.0/33

All: 43.761+/-0.595 χ^2/NDF: 1848.6/68

- sign 43.841+/-0.856 χ^2/NDF: 859.6/34

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.240+/-0.052 χ^2/NDF:964201.8/17

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

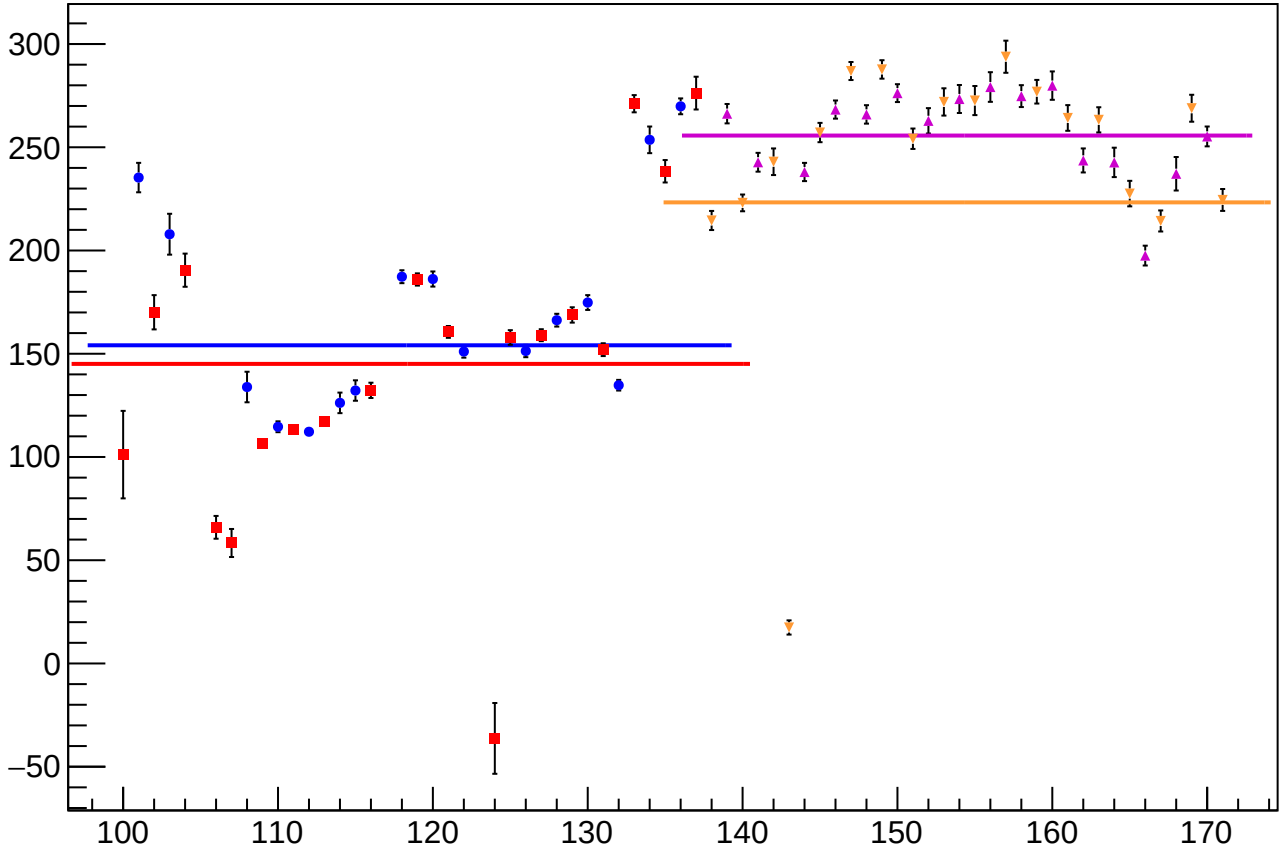
Left In: -155.491+/-0.056 χ^2/NDF:54258.7/15

+ sign -107.526+/-0.040 χ^2/NDF: 2760778.3/33

All: -109.631+/-0.029 χ^2/NDF: 5061449.4/68

- sign -111.856+/-0.042 χ^2/NDF: 2295090.6/34

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 223.309+/-1.220 χ^2/NDF:4508.0/17

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

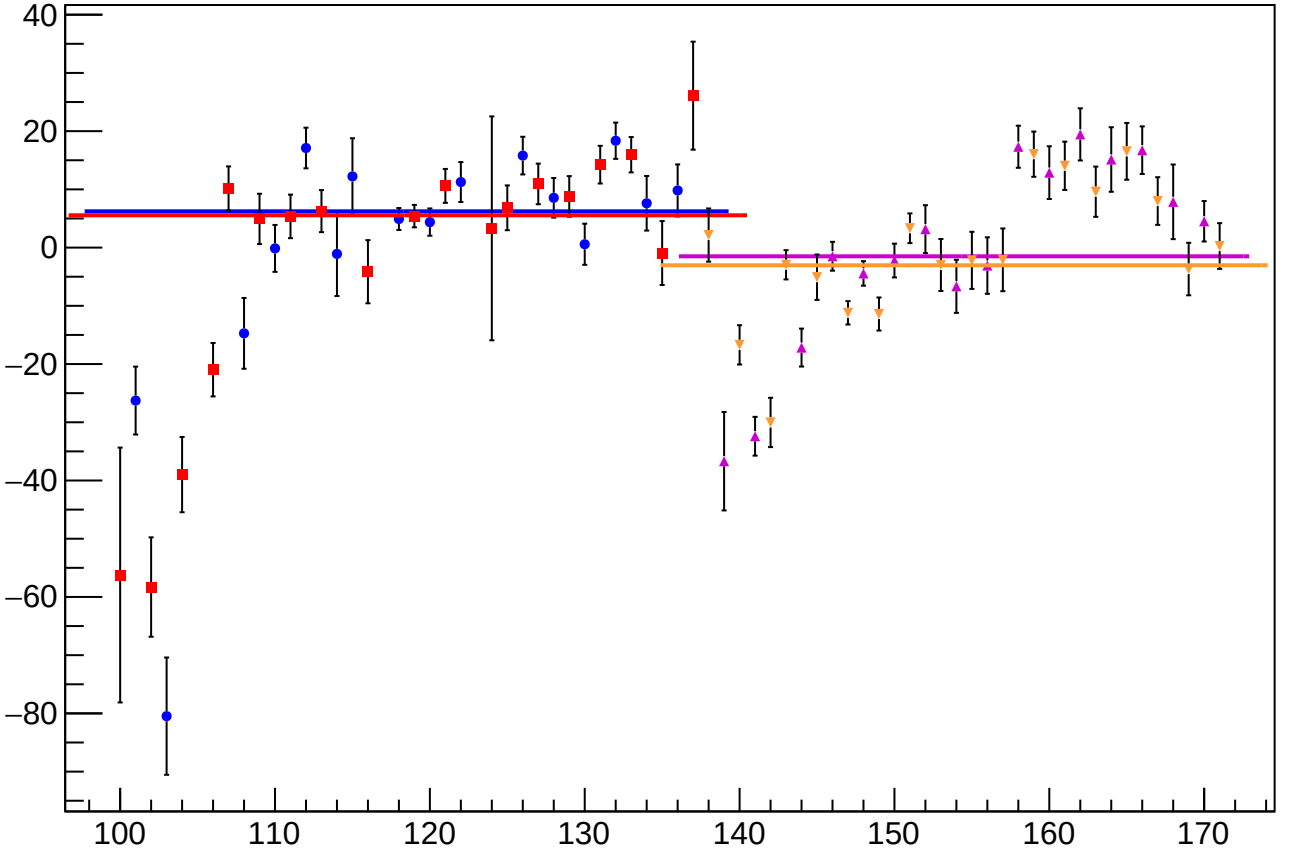
Left In: 255.674+/-1.318 χ^2/NDF:268.8/15

+ sign 177.393+/-0.708 χ^2/NDF: 8923.8/33

All: 176.823+/-0.498 χ^2/NDF: 17206.4/68

- sign 176.265+/-0.700 χ^2/NDF: 8281.2/34

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -3.036+/-0.827 χ^2/NDF:164.0/17

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

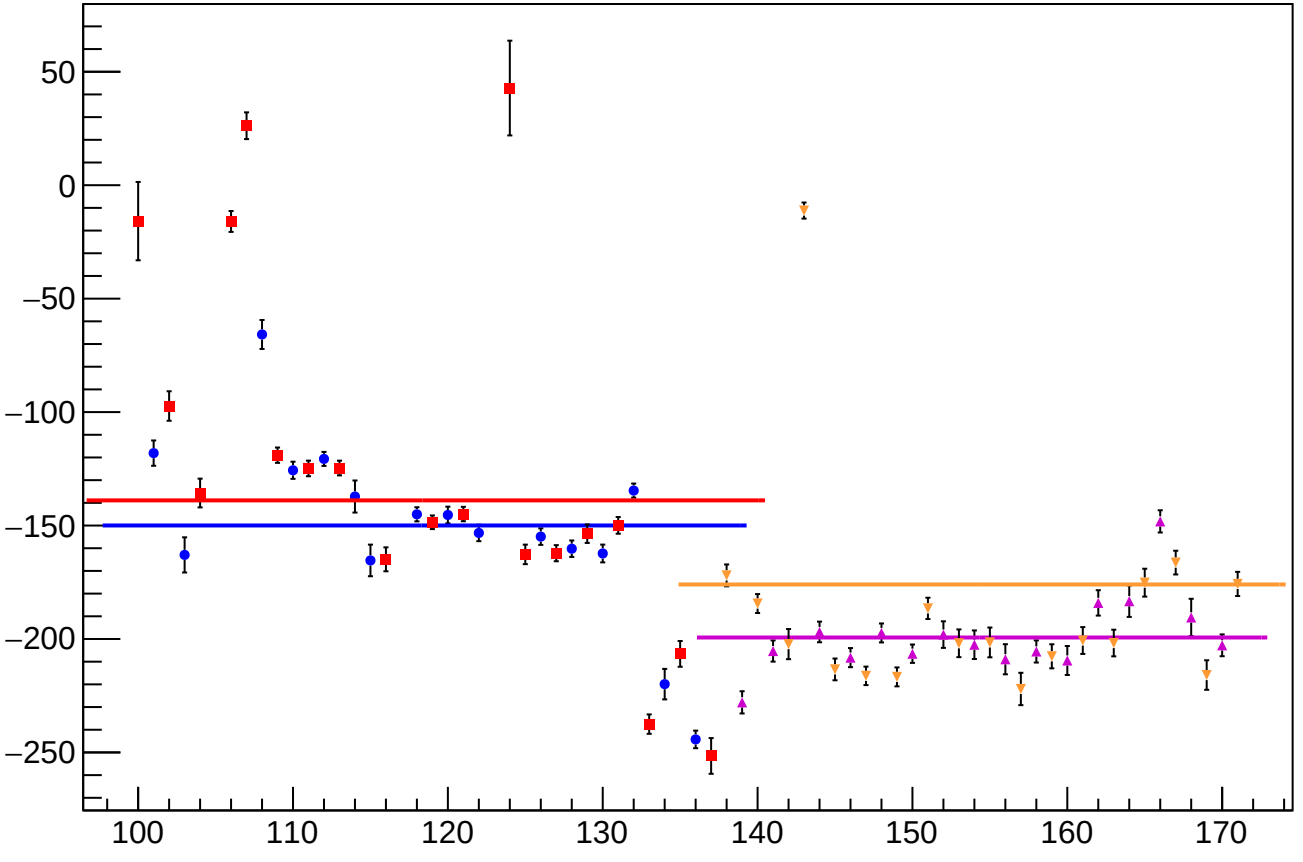
Left In: -1.498+/-0.902 χ^2/NDF:224.2/15

+ sign 1.257+/-0.606 χ^2/NDF: 384.2/33

All: 1.647+/-0.438 χ^2/NDF: 821.3/68

- sign 2.073+/-0.633 χ^2/NDF: 436.3/34

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -175.971+/-1.200 χ^2/NDF:2630.9/17

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

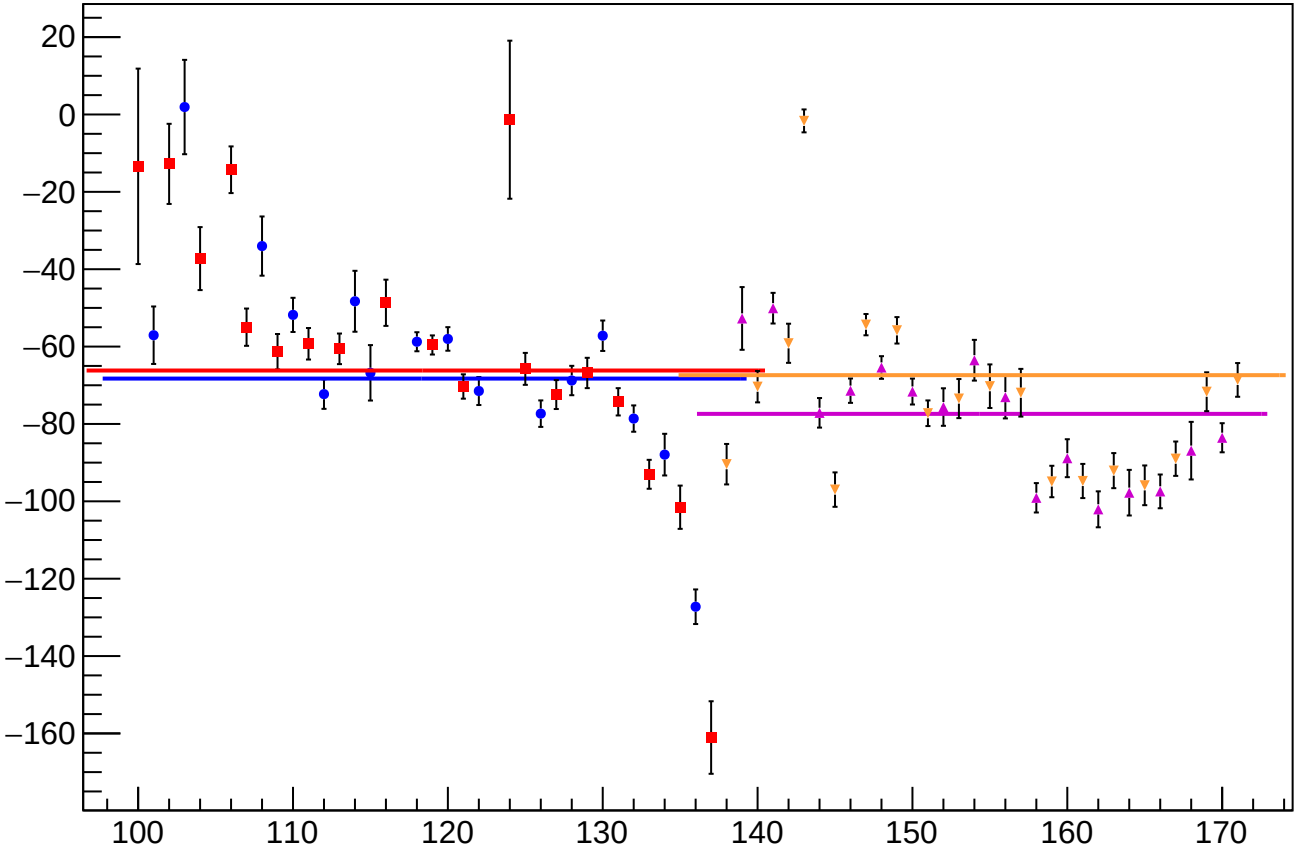
Left In: -199.344+/-1.284 χ^2/NDF:174.0/15

+ sign -160.943+/-0.780 χ^2/NDF: 4001.6/33

All: -161.244+/-0.553 χ^2/NDF: 8312.9/68

- sign -161.549+/-0.786 χ^2/NDF: 4311.0/34

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.388+/-0.977 χ^2/NDF:773.2/17

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

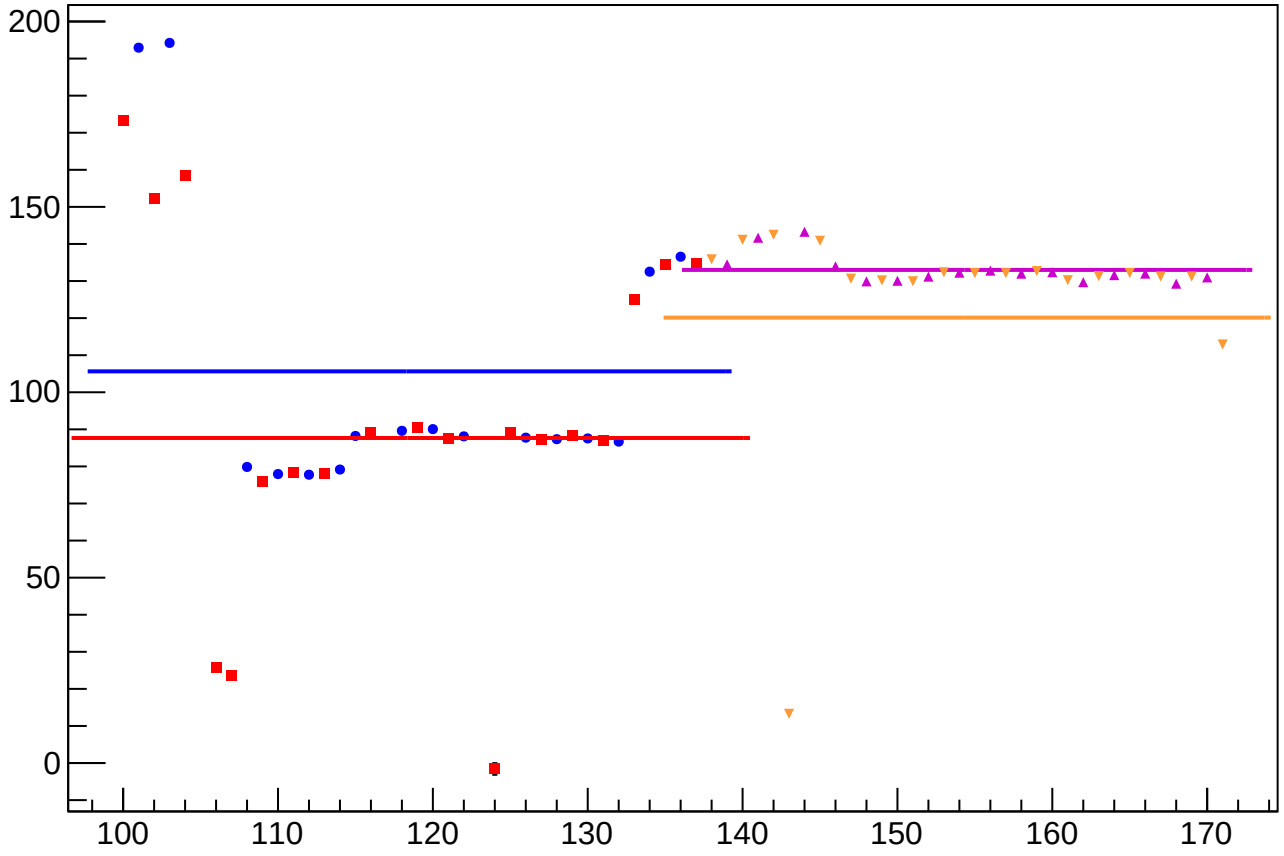
Left In: -77.394+/-1.059 χ^2/NDF:191.4/15

+ sign -67.805+/-0.710 χ^2/NDF: 1089.0/33

All: -69.635+/-0.511 χ^2/NDF: 1710.5/68

- sign -71.603+/-0.736 χ^2/NDF: 607.7/34

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.137+/-0.046 χ^2/NDF:604134.5/17

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

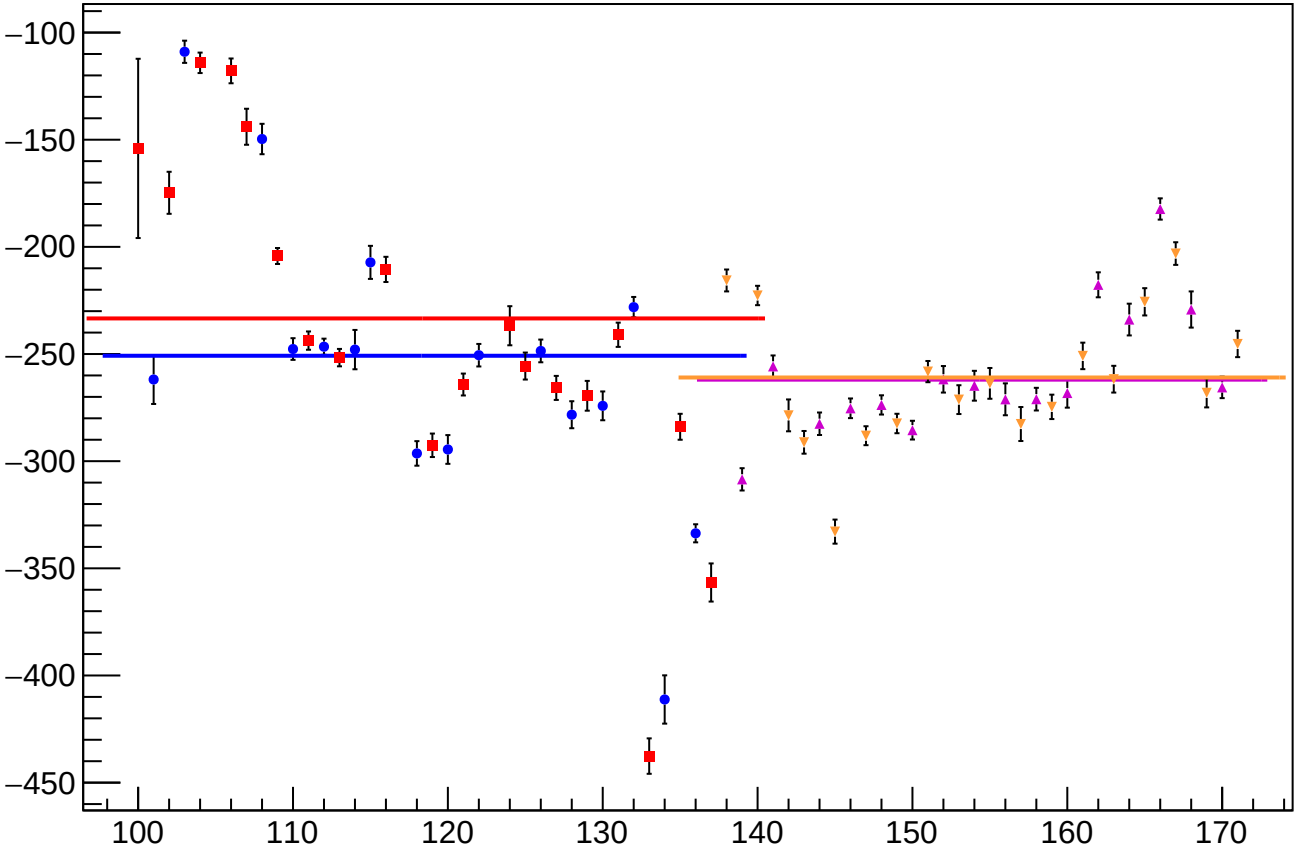
Left In: 132.999+/-0.049 χ^2/NDF:6127.8/15

+ sign 115.807+/-0.039 χ^2/NDF: 873126.4/33

All: 116.315+/-0.028 χ^2/NDF: 1560971.7/68

- sign 116.837+/-0.039 χ^2/NDF: 687495.7/34

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -260.952+/-1.334 χ^2/NDF:589.8/17

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

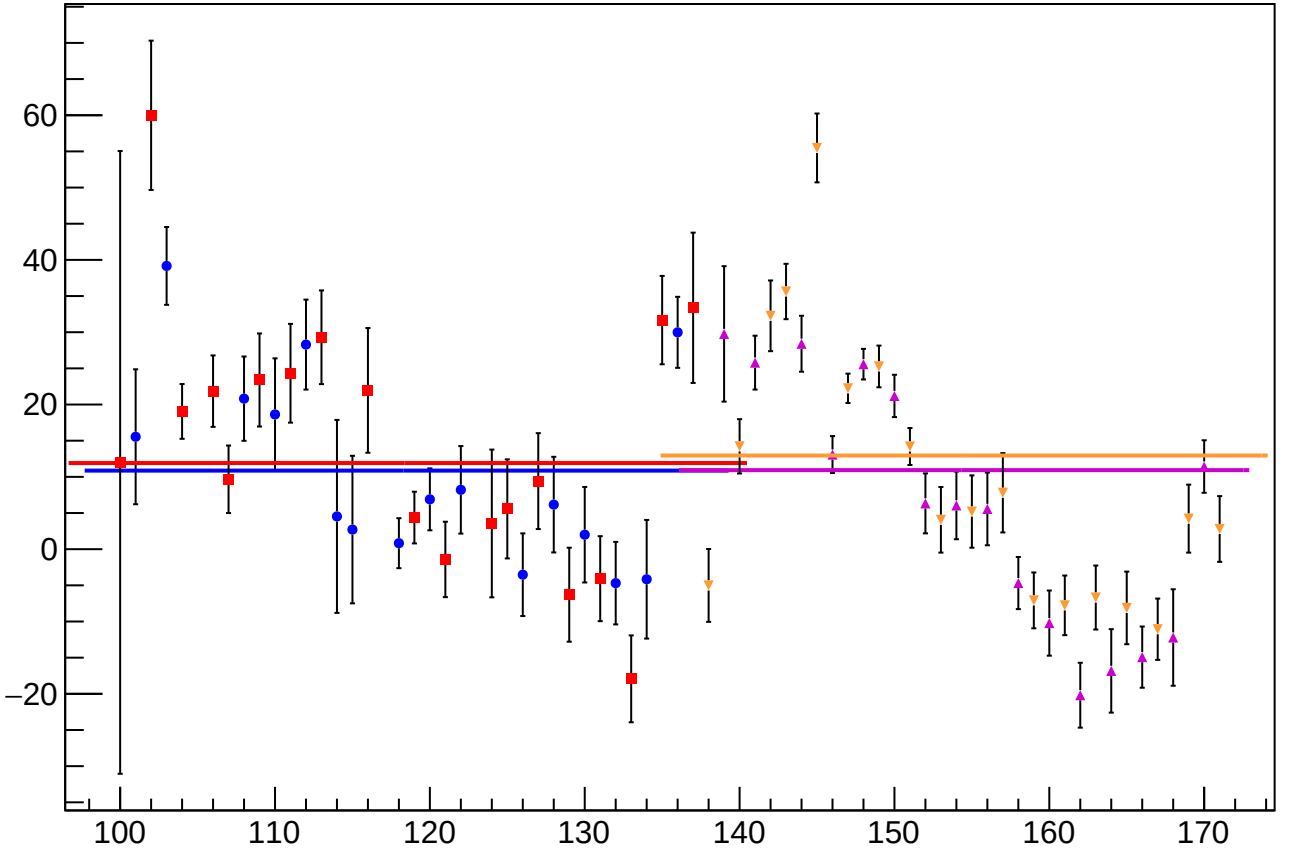
Left In: -261.959+/-1.380 χ^2/NDF:491.4/15

+ sign -256.263+/-0.978 χ^2/NDF: 2352.2/33

All: -251.635+/-0.685 χ^2/NDF: 5487.6/68

- sign -247.184+/-0.959 χ^2/NDF: 3091.5/34

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 12.952+/-0.888 χ^2/NDF:320.0/17

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

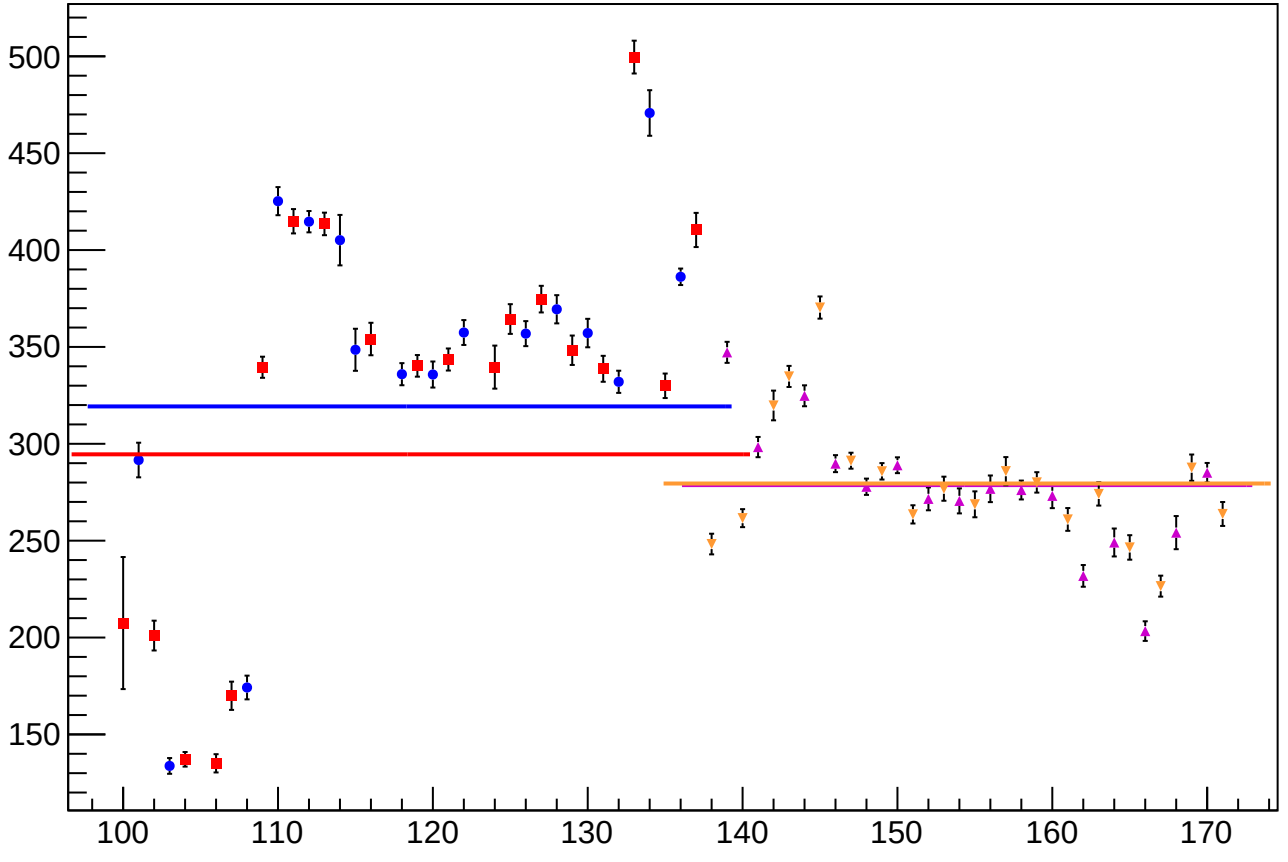
Left In: 10.931+/-0.934 χ^2/NDF:266.3/15

+ sign 12.394+/-0.760 χ^2/NDF: 406.1/33

All: 11.827+/-0.541 χ^2/NDF: 785.8/68

- sign 11.243+/-0.771 χ^2/NDF: 378.6/34

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 279.501+/-1.303 χ^2/NDF:598.4/17

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

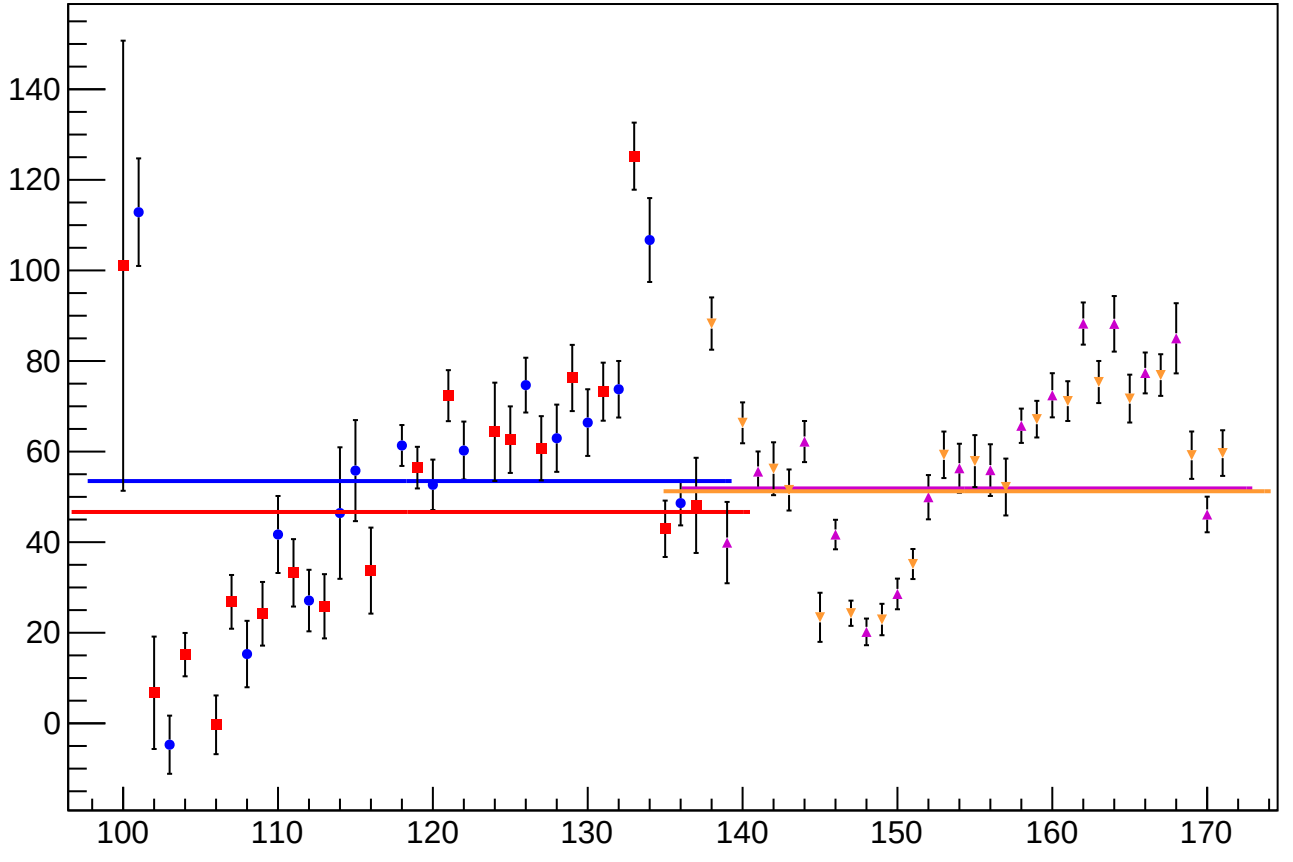
Left In: 278.685+/-1.339 χ^2/NDF:581.4/15

\+ sign 295.530+/-1.007 χ^2/NDF: 4767.2/33

All: 290.615+/-0.707 χ^2/NDF: 10962.1/68

\- sign 285.828+/-0.993 χ^2/NDF: 6147.8/34

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 51.244+/-1.051 χ^2/NDF:381.0/17

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

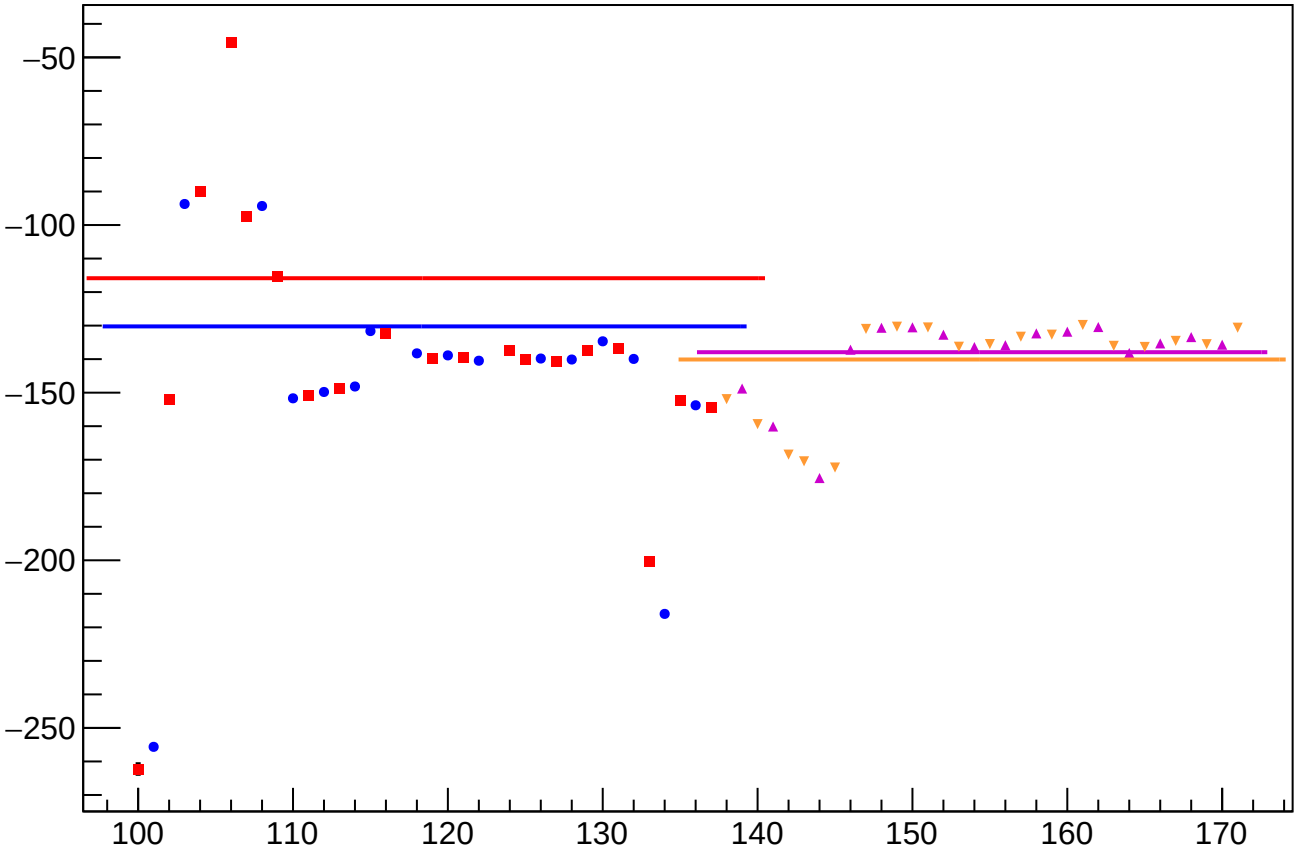
Left In: 51.867+/-1.097 χ^2/NDF:361.6/15

+ sign 51.867+/-0.894 χ^2/NDF: 599.5/33

All: 51.040+/-0.635 χ^2/NDF: 1295.7/68

- sign 50.194+/-0.904 χ^2/NDF: 694.5/34

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.106+/-0.050 χ^2/NDF:75584.0/17

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

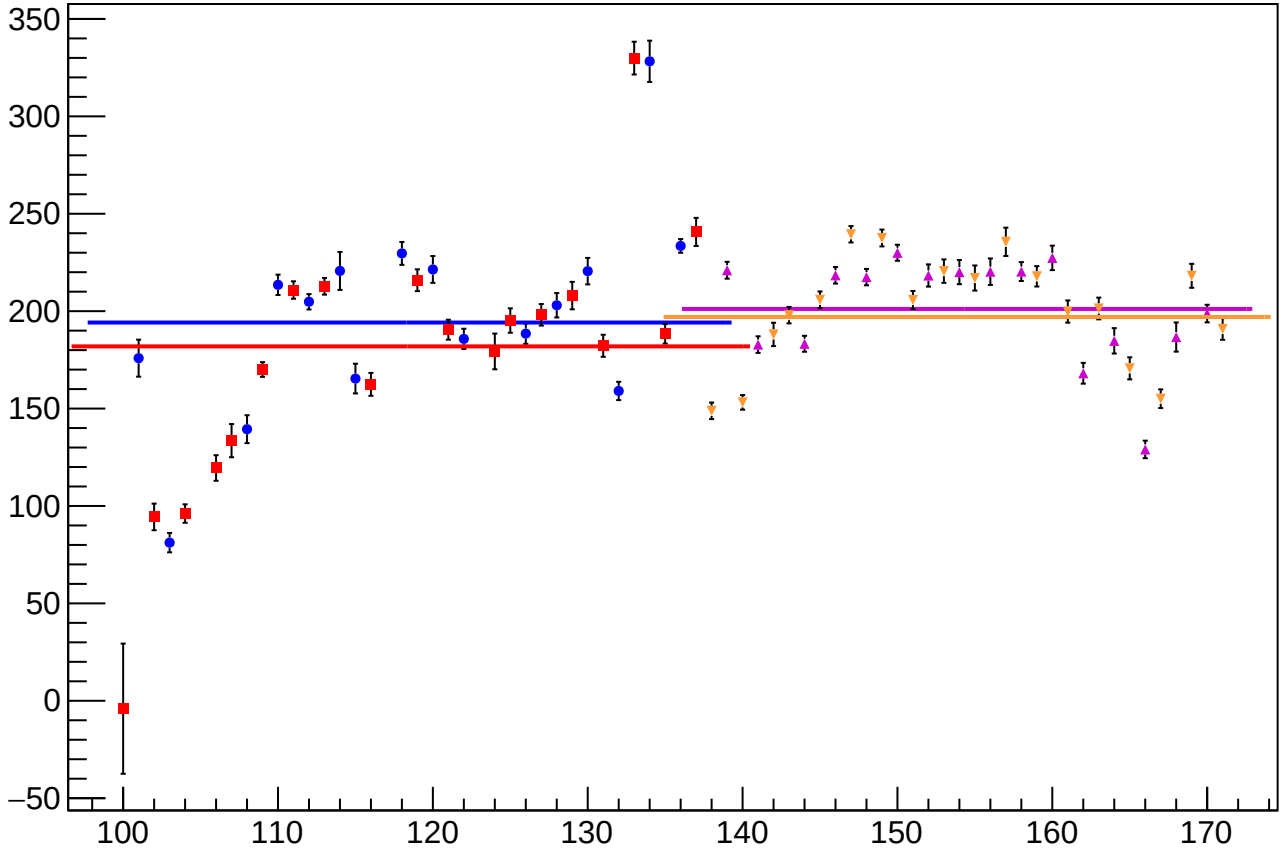
Left In: -137.929+/-0.051 χ^2/NDF:46170.7/15

+ sign -137.829+/-0.044 χ^2/NDF: 258825.5/33

All: -135.008+/-0.031 χ^2/NDF: 568231.7/68

- sign -132.193+/-0.044 χ^2/NDF: 301100.3/34

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 197.030+/-1.175 χ^2/NDF:646.3/17

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

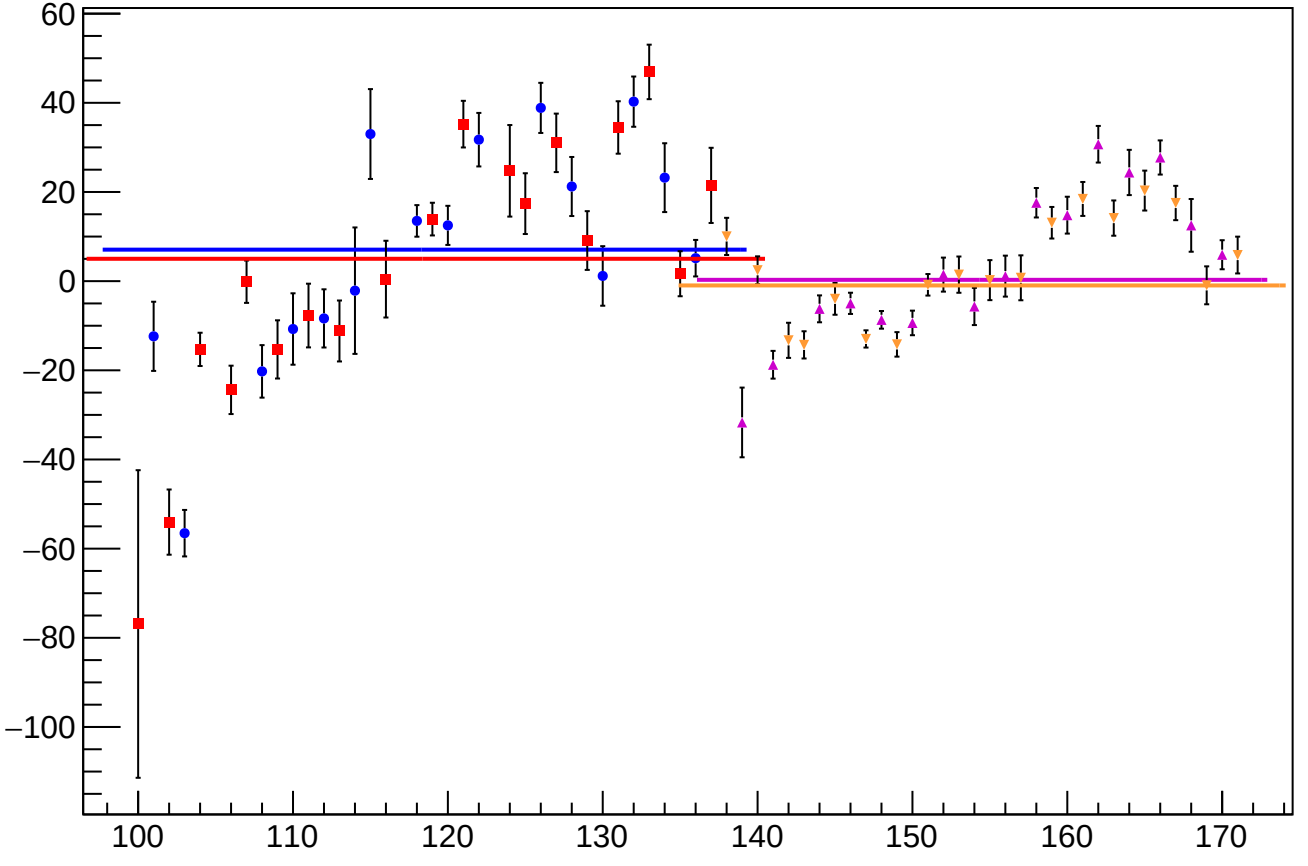
Left In: 201.130+/-1.230 χ^2/NDF:504.4/15

+ sign 195.852+/-0.902 χ^2/NDF: 1683.9/33

All: 194.032+/-0.637 χ^2/NDF: 3514.3/68

- sign 192.218+/-0.901 χ^2/NDF: 1822.3/34

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -0.963+/-0.797 χ^2/NDF:204.6/17

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

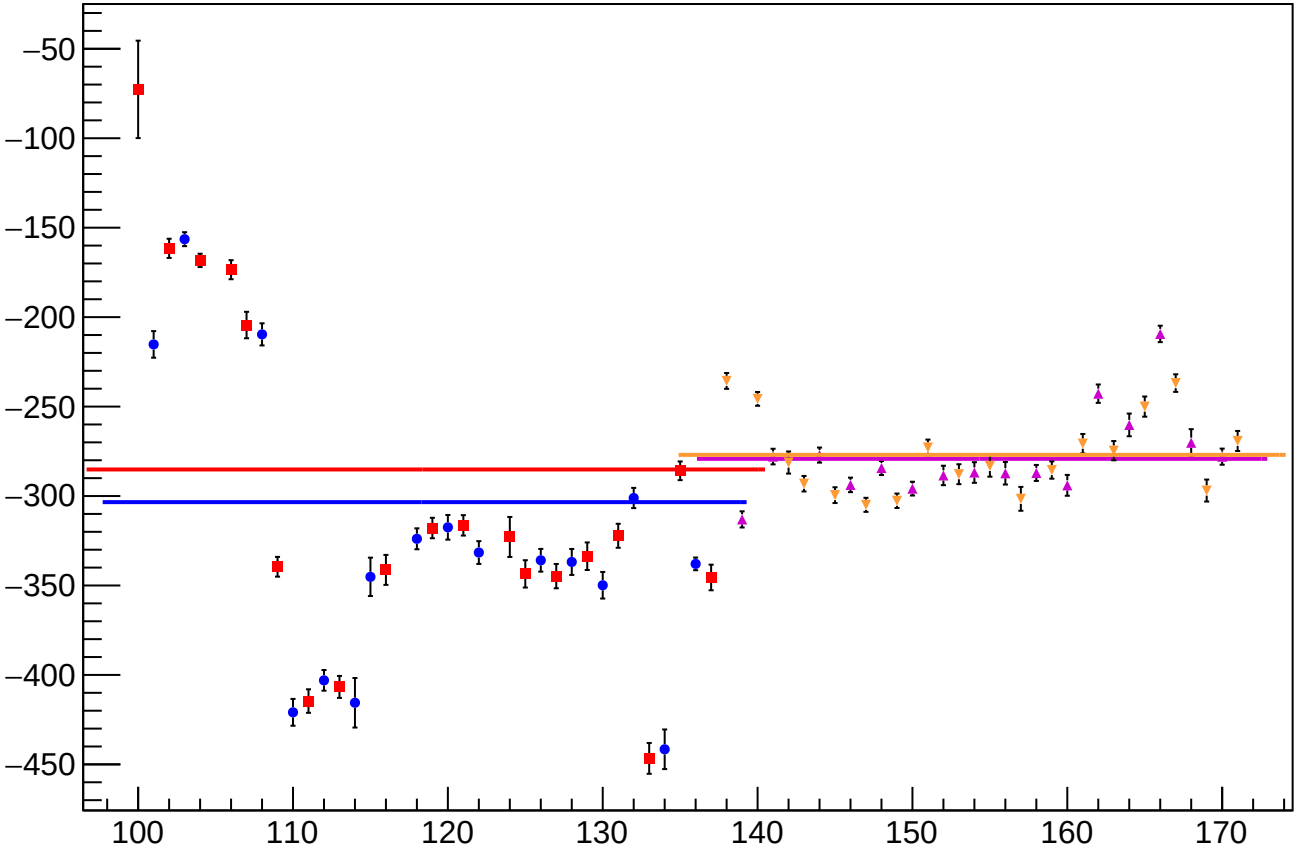
Left In: 0.295+/-0.844 χ^2/NDF:274.3/15

+ sign 0.913+/-0.697 χ^2/NDF: 520.9/33

All: 1.254+/-0.500 χ^2/NDF: 1092.9/68

- sign 1.614+/-0.716 χ^2/NDF: 571.5/34

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.980+/-1.154 χ^2/NDF:410.3/17

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

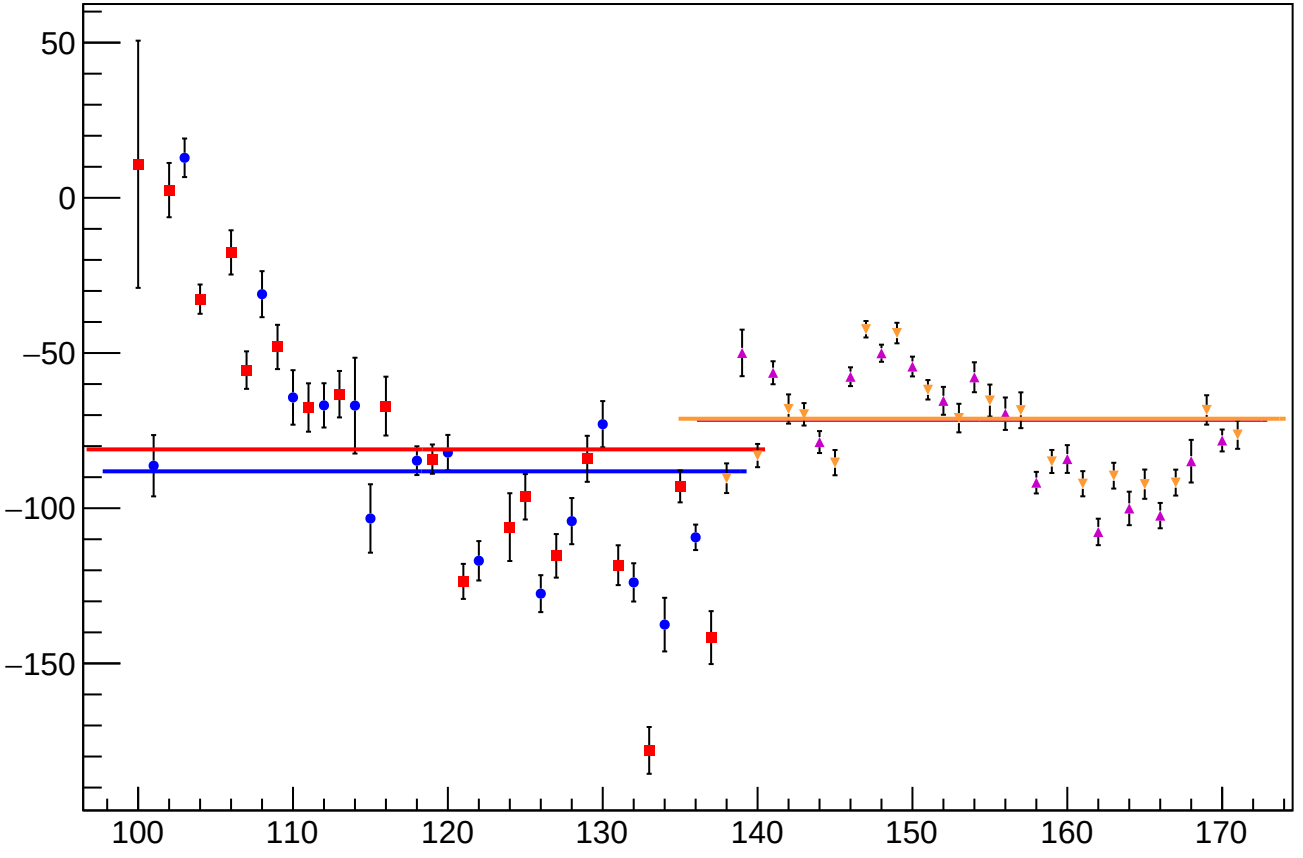
Left In: -279.213+/-1.198 χ^2/NDF:398.5/15

+ sign -286.561+/-0.921 χ^2/NDF: 3386.0/33

All: -284.097+/-0.652 χ^2/NDF: 7563.6/68

- sign -281.619+/-0.924 χ^2/NDF: 4163.2/34

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -71.164+/-0.939 χ^2/NDF:342.7/17

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

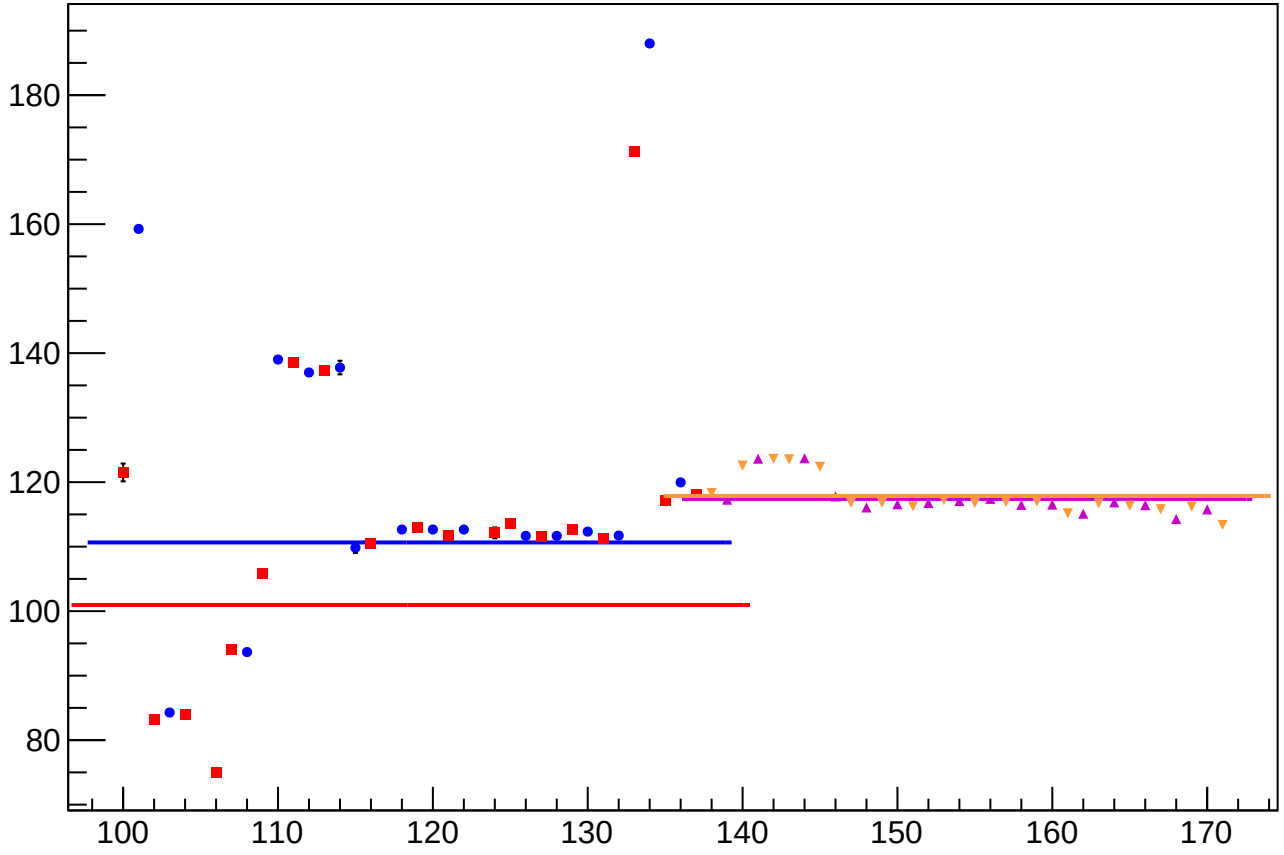
Left In: -71.556+/-0.989 χ^2/NDF:355.7/15

+ sign -75.295+/-0.817 χ^2/NDF: 934.0/33

All: -74.788+/-0.585 χ^2/NDF: 1994.2/68

- sign -74.256+/-0.837 χ^2/NDF: 1059.4/34

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.860+/-0.044 χ^2/NDF:4214.9/17

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

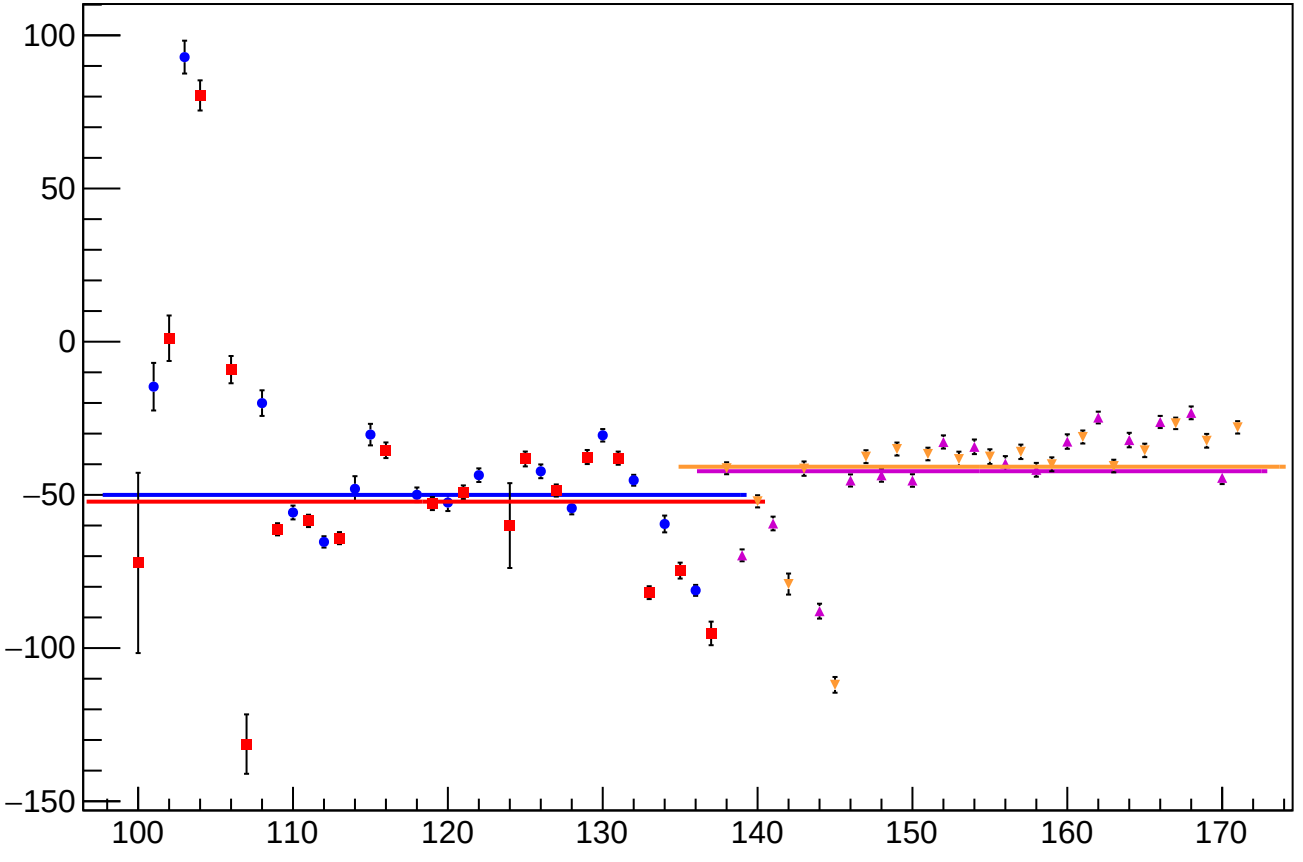
Left In: 117.399+/-0.046 χ^2/NDF:2936.1/15

+ sign 116.343+/-0.039 χ^2/NDF: 93308.5/33

All: 114.907+/-0.028 χ^2/NDF: 192288.3/68

- sign 113.447+/-0.040 χ^2/NDF: 96294.9/34

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -40.808+/-0.519 χ^2/NDF:1081.2/17

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

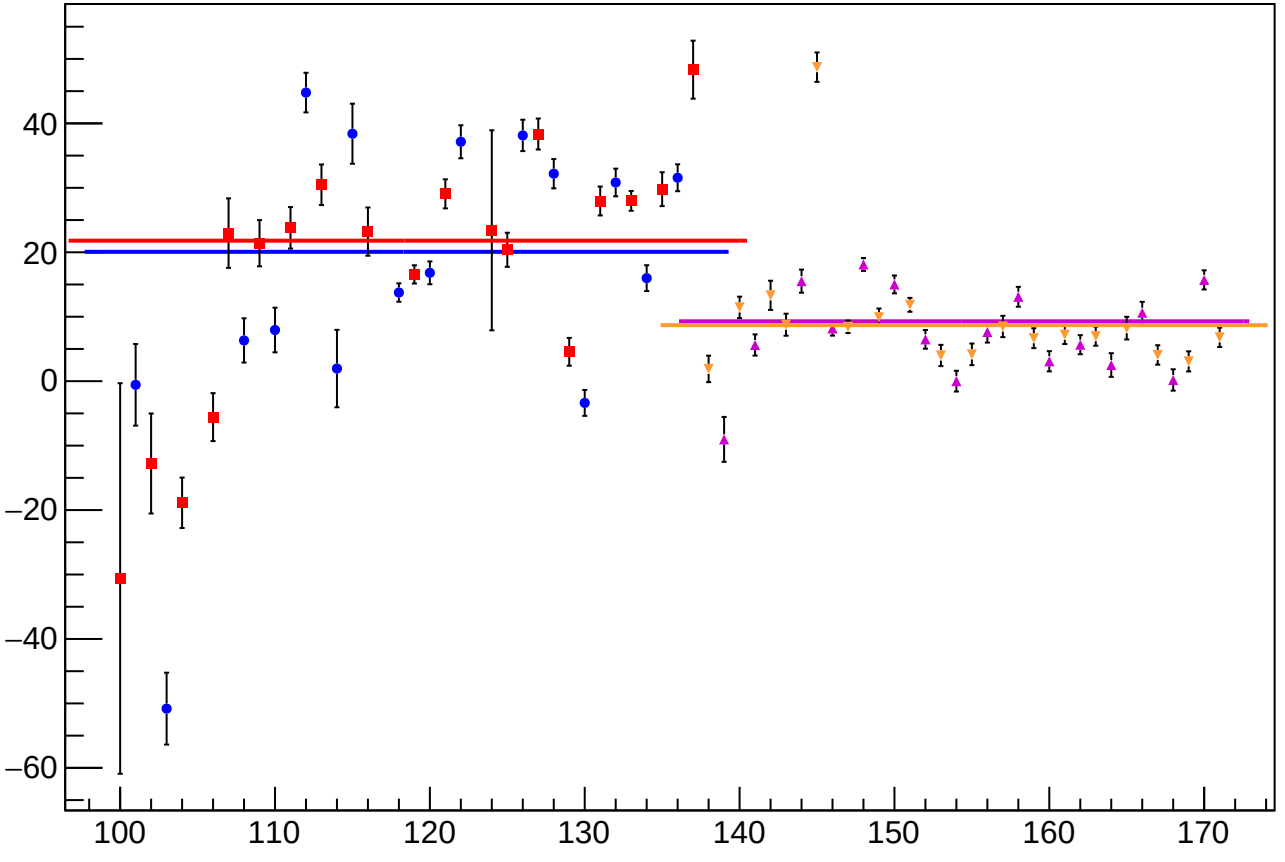
Left In: -42.278+/-0.538 χ^2/NDF:915.4/15

+ sign -44.670+/-0.395 χ^2/NDF: 2540.5/33

All: -45.649+/-0.282 χ^2/NDF: 5189.2/68

- sign -46.662+/-0.402 χ^2/NDF: 2636.2/34

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.693+/-0.357 χ^2/NDF:377.7/17

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

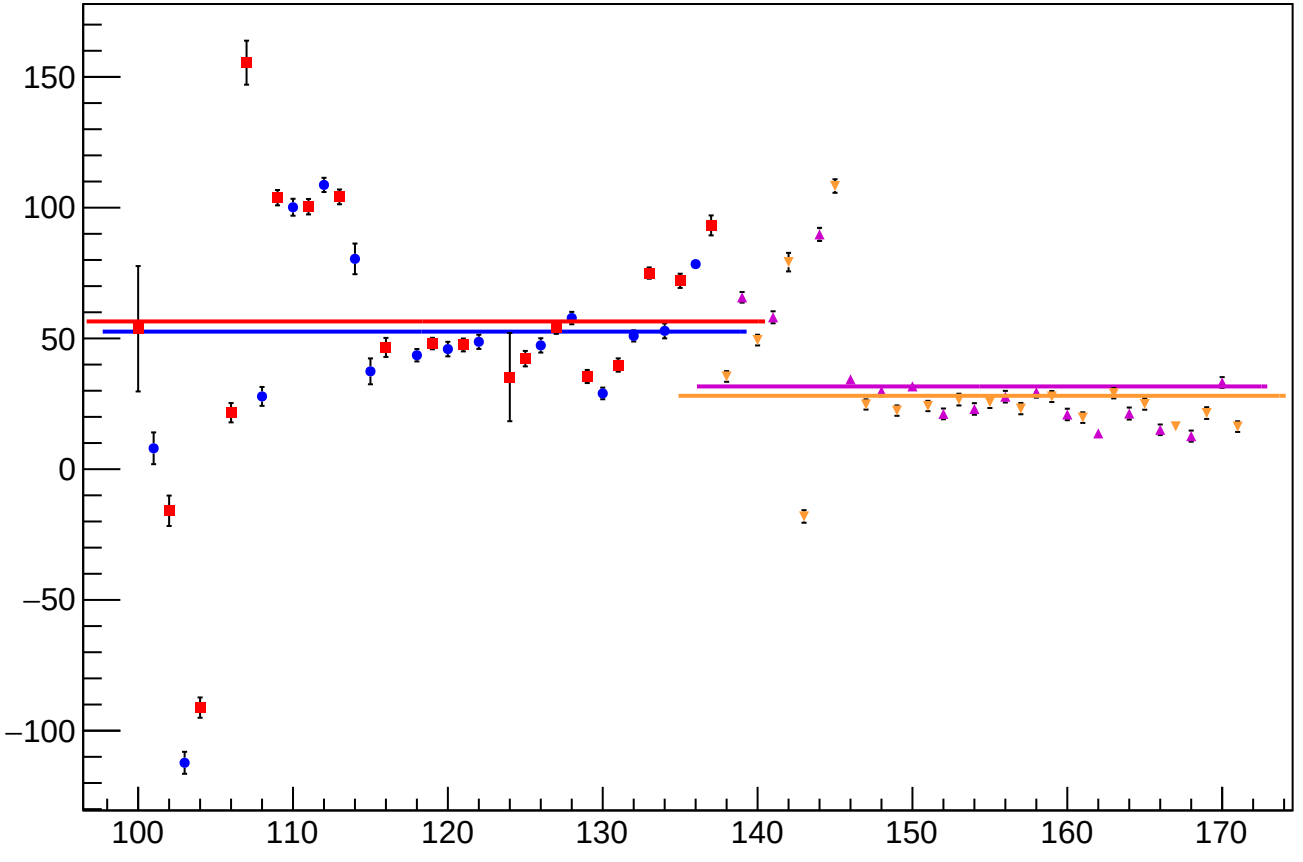
Left In: 9.292+/-0.376 χ^2/NDF:269.7/15

\+ sign 11.580+/-0.308 χ^2/NDF: 1271.9/33

All: 12.088+/-0.223 χ^2/NDF: 2239.7/68

\- sign 12.642+/-0.322 χ^2/NDF: 962.1/34

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 28.062+/-0.506 χ^2/NDF:1770.6/17

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

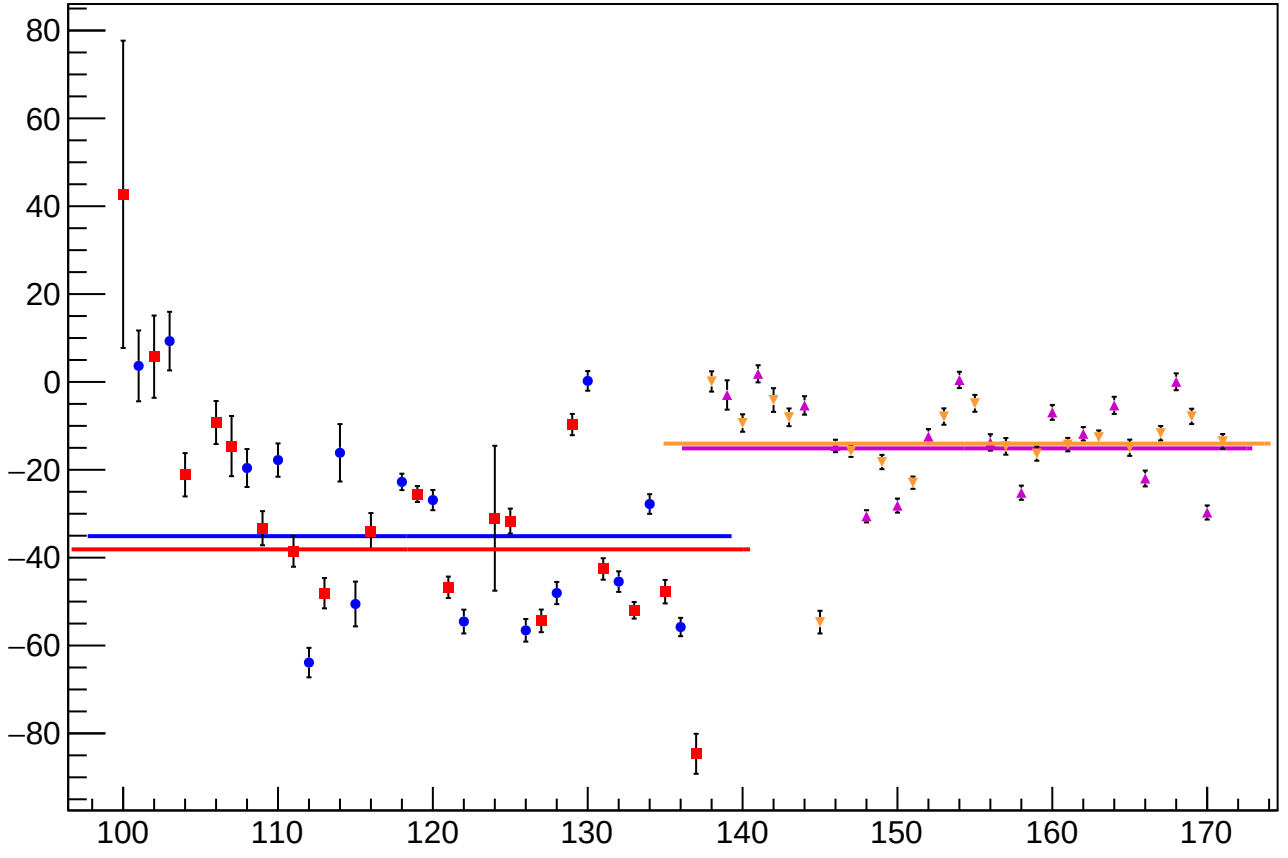
Left In: 31.643+/-0.522 χ^2/NDF:1289.9/15

+ sign 36.554+/-0.410 χ^2/NDF: 5242.4/33

All: 38.453+/-0.293 χ^2/NDF: 10343.6/68

- sign 40.448+/-0.420 χ^2/NDF: 5057.1/34

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.034+/-0.414 χ^2/NDF:413.0/17

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

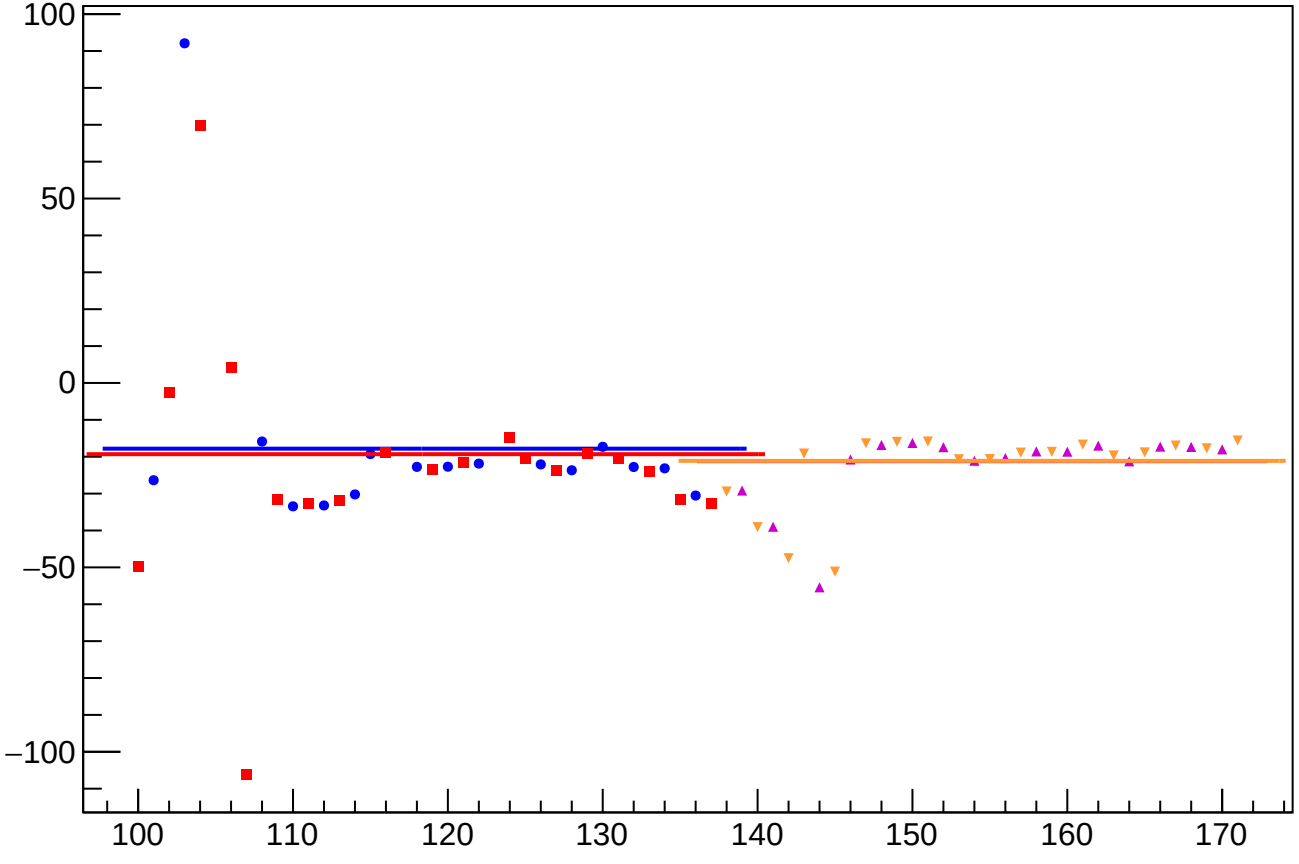
Left In: -15.121+/-0.435 χ^2/NDF:625.6/15

+ sign -19.493+/-0.356 χ^2/NDF: 1857.3/33

All: -20.383+/-0.257 χ^2/NDF: 3766.5/68

- sign -21.349+/-0.372 χ^2/NDF: 1896.2/34

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -21.121+/-0.019 χ^2/NDF:200067.8/17

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

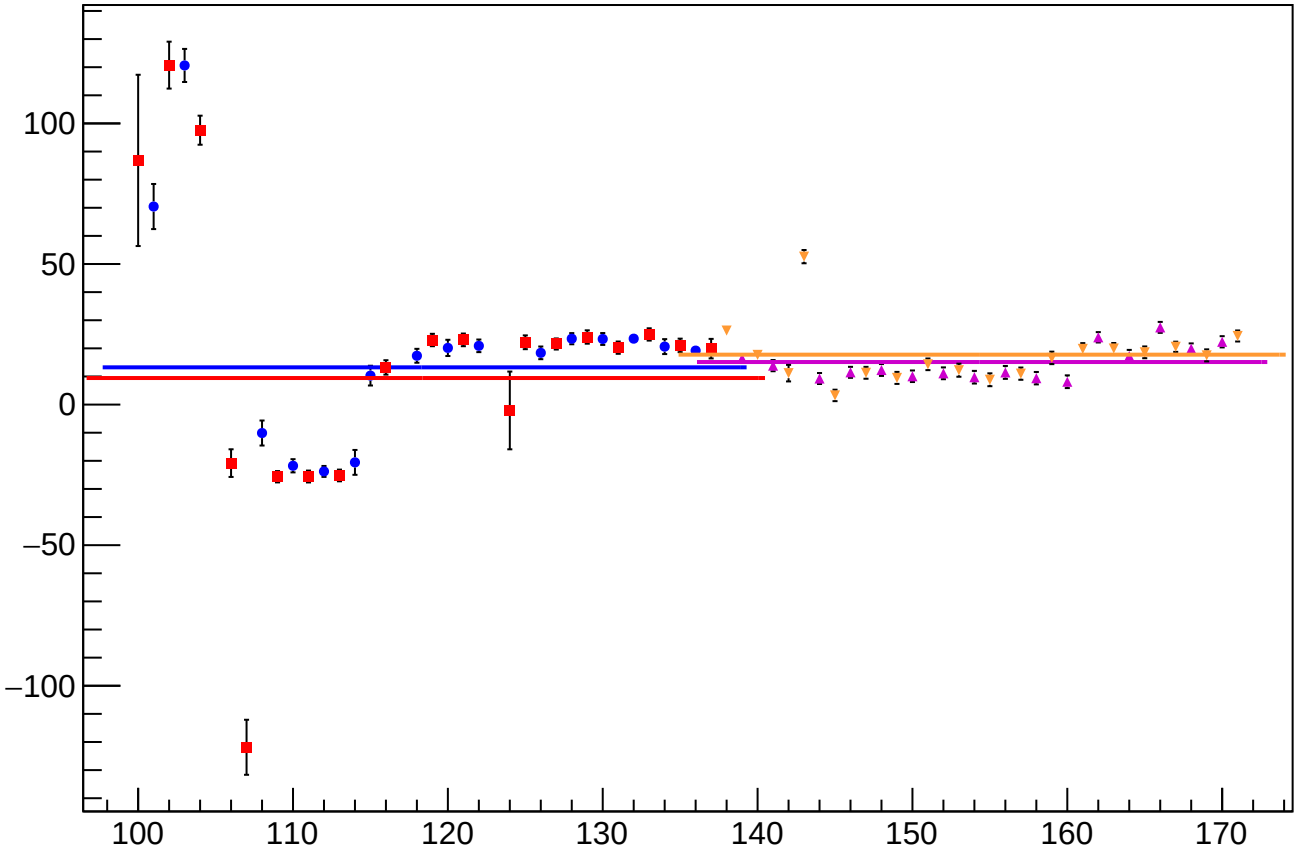
Left In: -21.207+/-0.019 χ^2/NDF:164164.6/15

+ sign -20.594+/-0.017 χ^2/NDF: 631082.1/33

All: -20.752+/-0.012 χ^2/NDF: 1141486.0/68

- sign -20.922+/-0.018 χ^2/NDF: 510229.8/34

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.759+/-0.491 χ^2/NDF:371.0/17

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

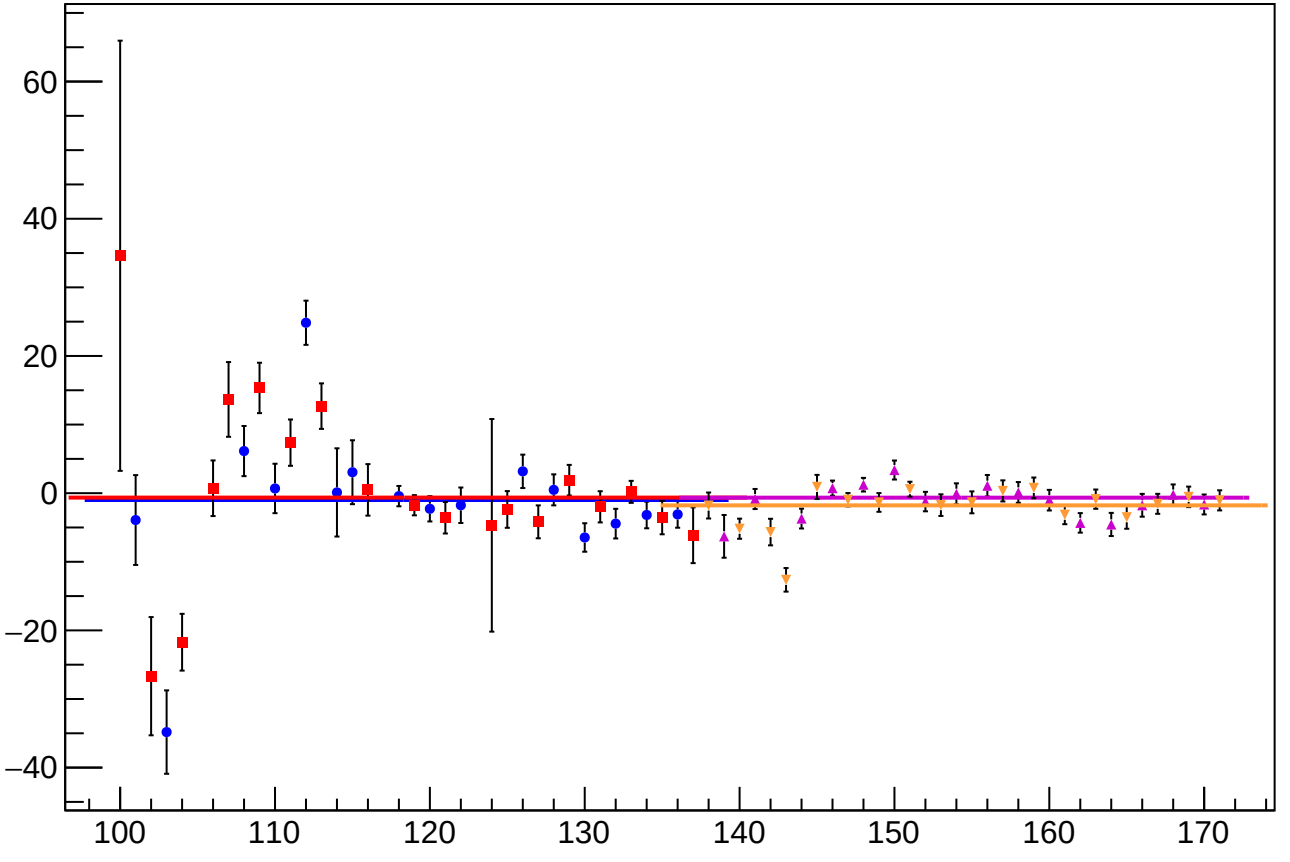
Left In: 15.139+/-0.507 χ^2/NDF:132.7/15

+ sign 16.002+/-0.384 χ^2/NDF: 1586.3/33

All: 14.450+/-0.274 χ^2/NDF: 3639.9/68

- sign 12.837+/-0.391 χ^2/NDF: 2020.3/34

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.776+/-0.342 χ^2/NDF:65.4/17

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

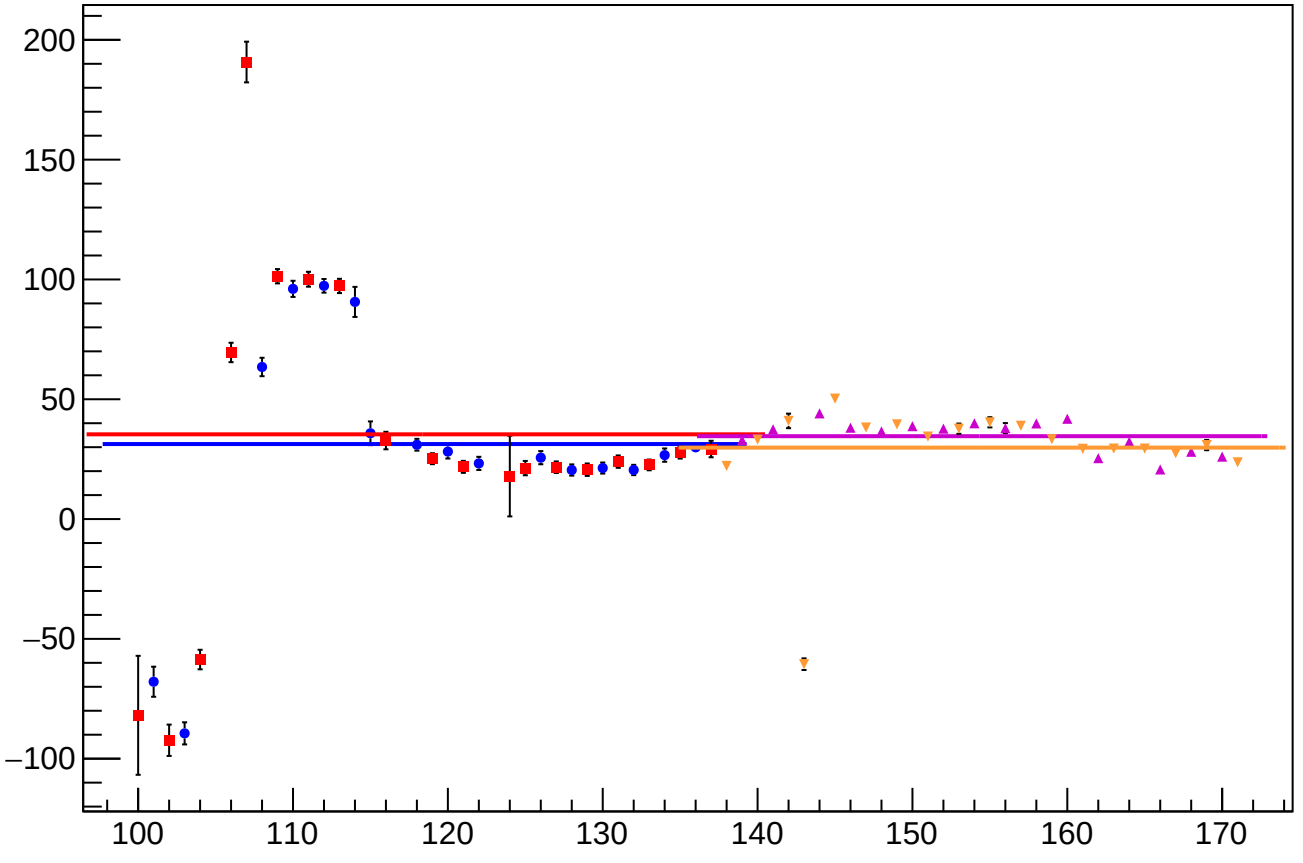
Left In: -0.656+/-0.359 χ^2/NDF:36.2/15

+ sign -1.593+/-0.300 χ^2/NDF: 183.0/33

All: -1.143+/-0.216 χ^2/NDF: 318.1/68

- sign -0.653+/-0.313 χ^2/NDF: 130.5/34

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.819+/-0.481 χ^2/NDF:1638.5/17

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

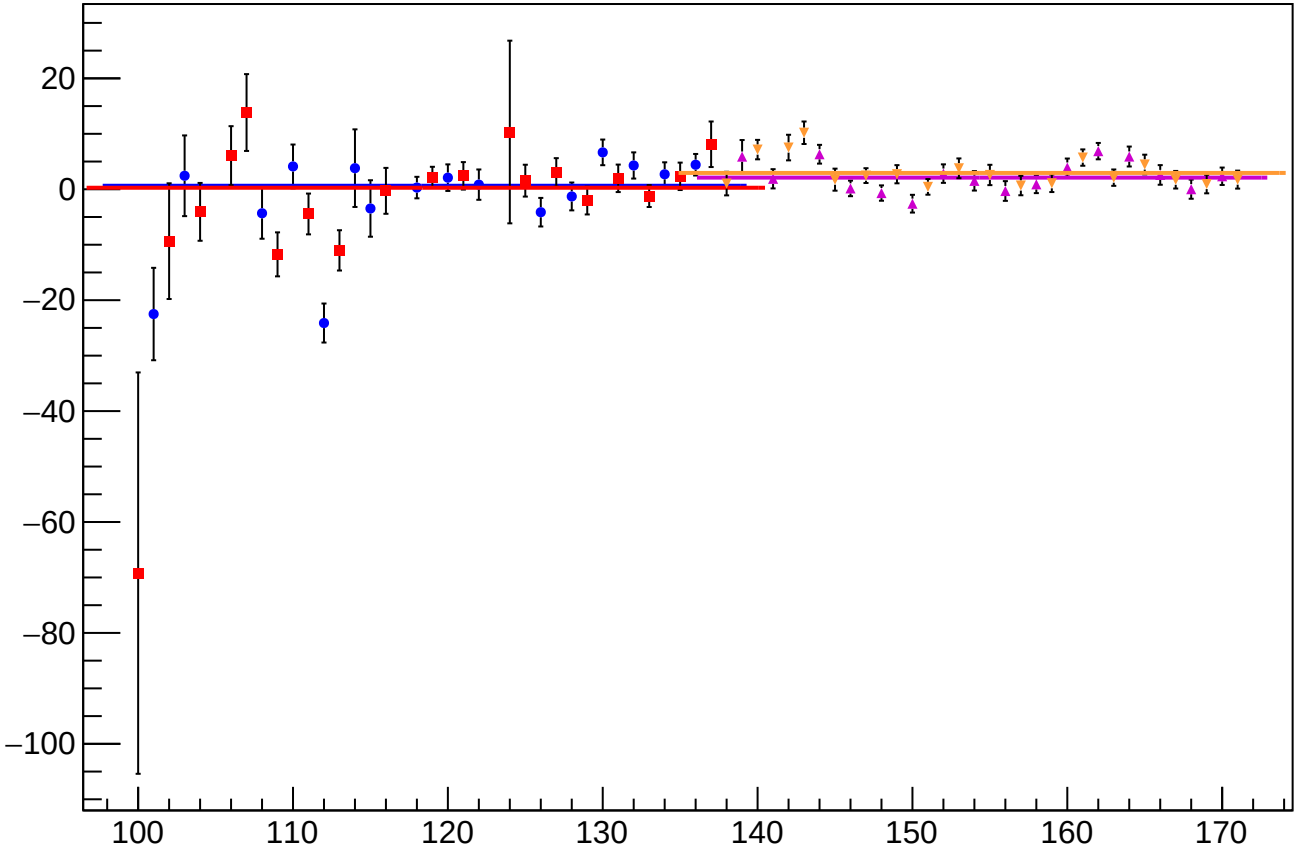
Left In: 34.587+/-0.494 χ^2/NDF:171.8/15

+ sign 30.296+/-0.396 χ^2/NDF: 3727.5/33

All: 32.507+/-0.284 χ^2/NDF: 6861.7/68

- sign 34.838+/-0.407 χ^2/NDF: 3070.2/34

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 2.947+/-0.396 χ^2/NDF:37.5/17

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

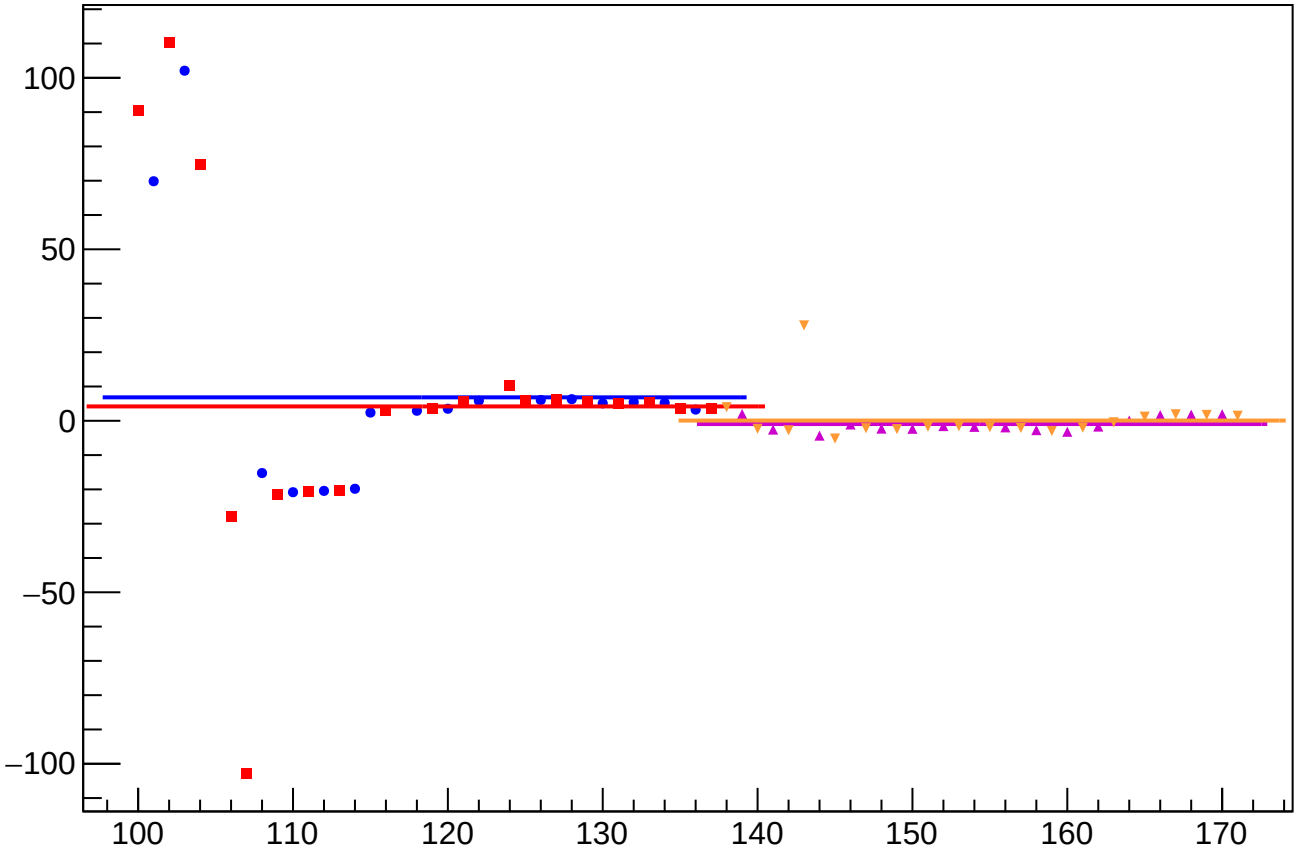
Left In: 2.100+/-0.415 χ^2/NDF:42.9/15

\+ sign 2.392+/-0.345 χ^2/NDF: 124.1/33

All: 2.037+/-0.249 χ^2/NDF: 214.5/68

\- sign 1.651+/-0.360 χ^2/NDF: 88.1/34

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.073+/-0.018 χ^2/NDF:93251.9/17

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

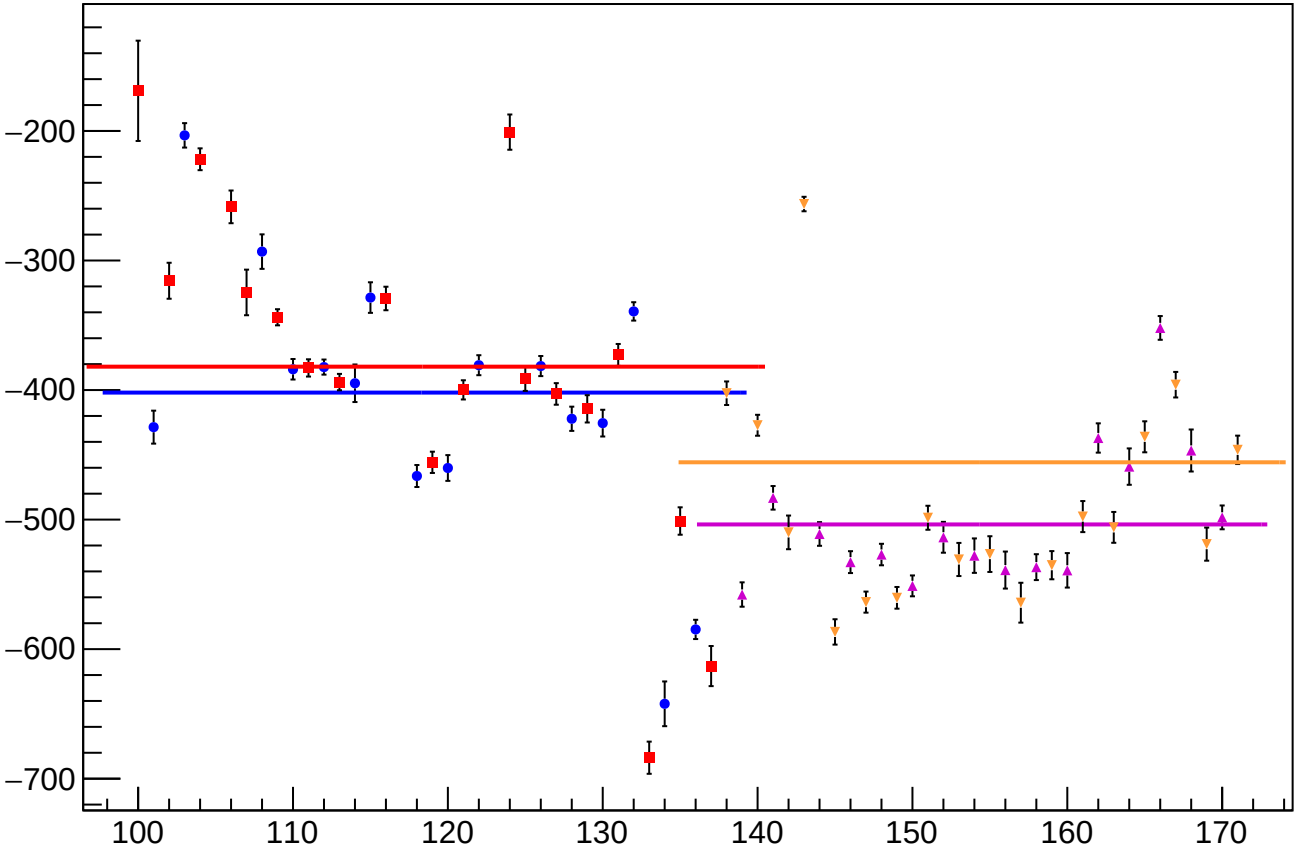
Left In: -0.943+/-0.018 χ^2/NDF:11262.5/15

+ sign 1.077+/-0.017 χ^2/NDF: 435435.7/33

All: 0.438+/-0.012 χ^2/NDF: 894972.0/68

- sign -0.246+/-0.017 χ^2/NDF: 456432.1/34

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -455.764+/-2.315 χ^2/NDF:2128.9/17

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

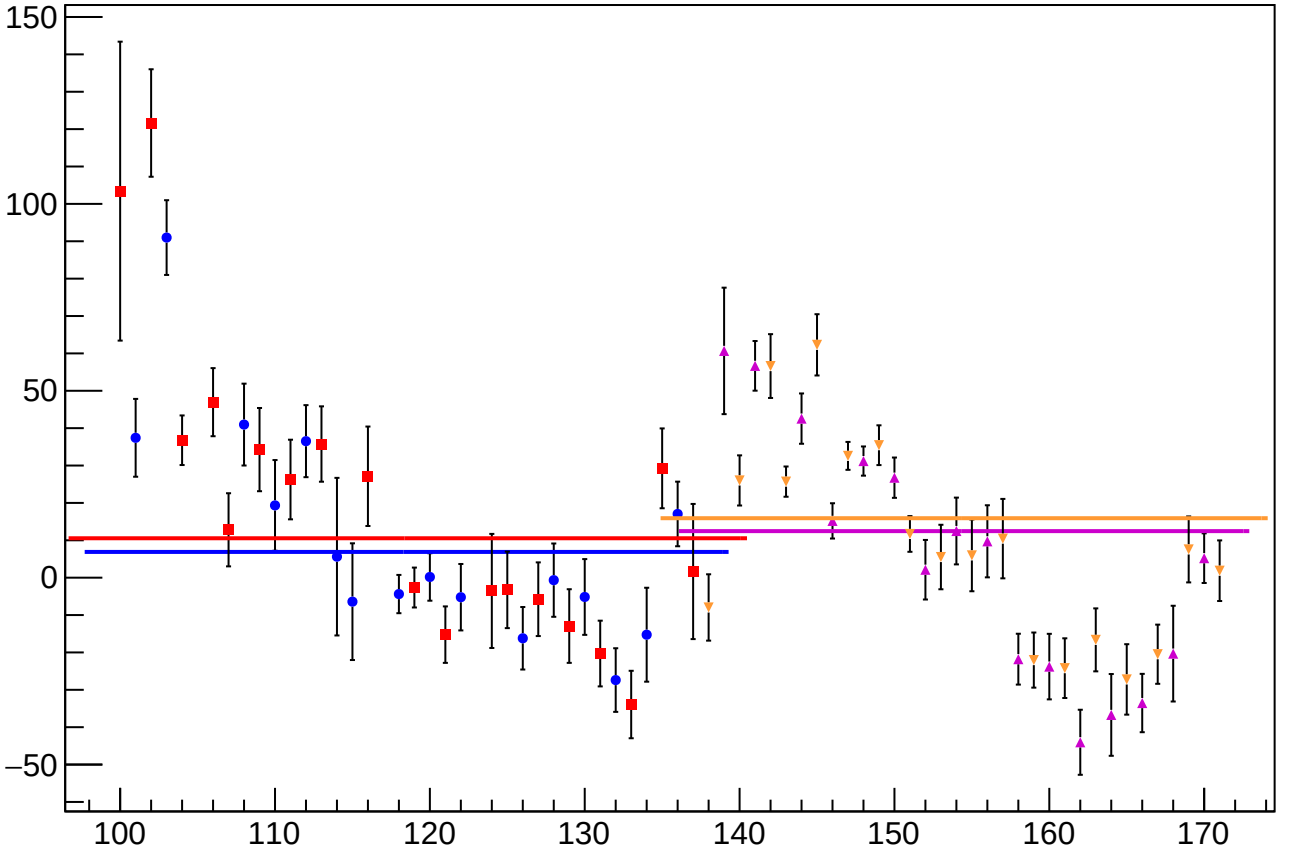
Left In: -503.739+/-2.556 χ^2/NDF:453.0/15

+ sign -427.931+/-1.608 χ^2/NDF: 3971.7/33

All: -429.787+/-1.146 χ^2/NDF: 7587.5/68

- sign -431.702+/-1.634 χ^2/NDF: 3613.1/34

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 15.910+/-1.558 χ^2/NDF:219.7/17

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

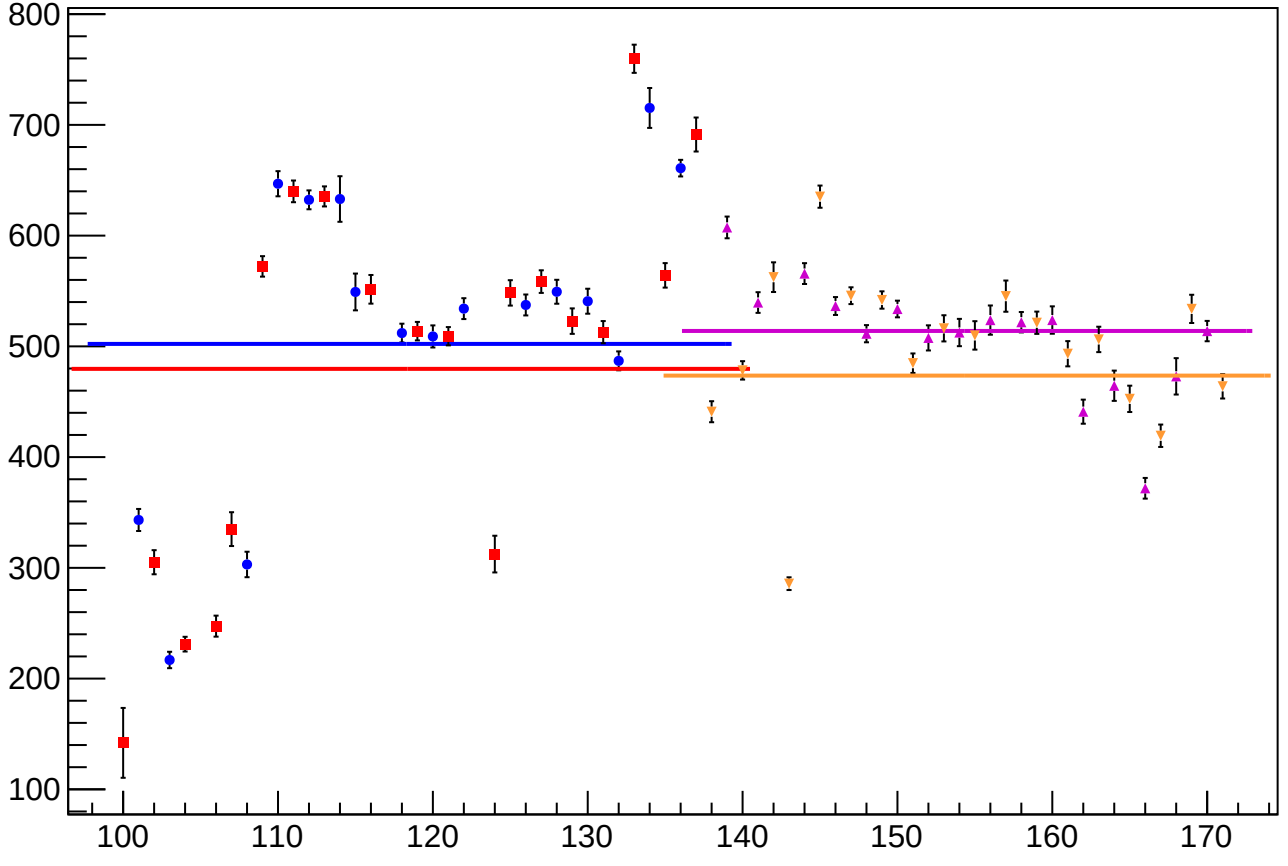
Left In: 12.454+/-1.732 χ^2/NDF:251.9/15

+ sign 13.012+/-1.283 χ^2/NDF: 369.0/33

All: 12.404+/-0.933 χ^2/NDF: 801.8/68

- sign 11.722+/-1.360 χ^2/NDF: 432.4/34

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 473.597+/-2.278 χ^2/NDF:1689.9/17

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

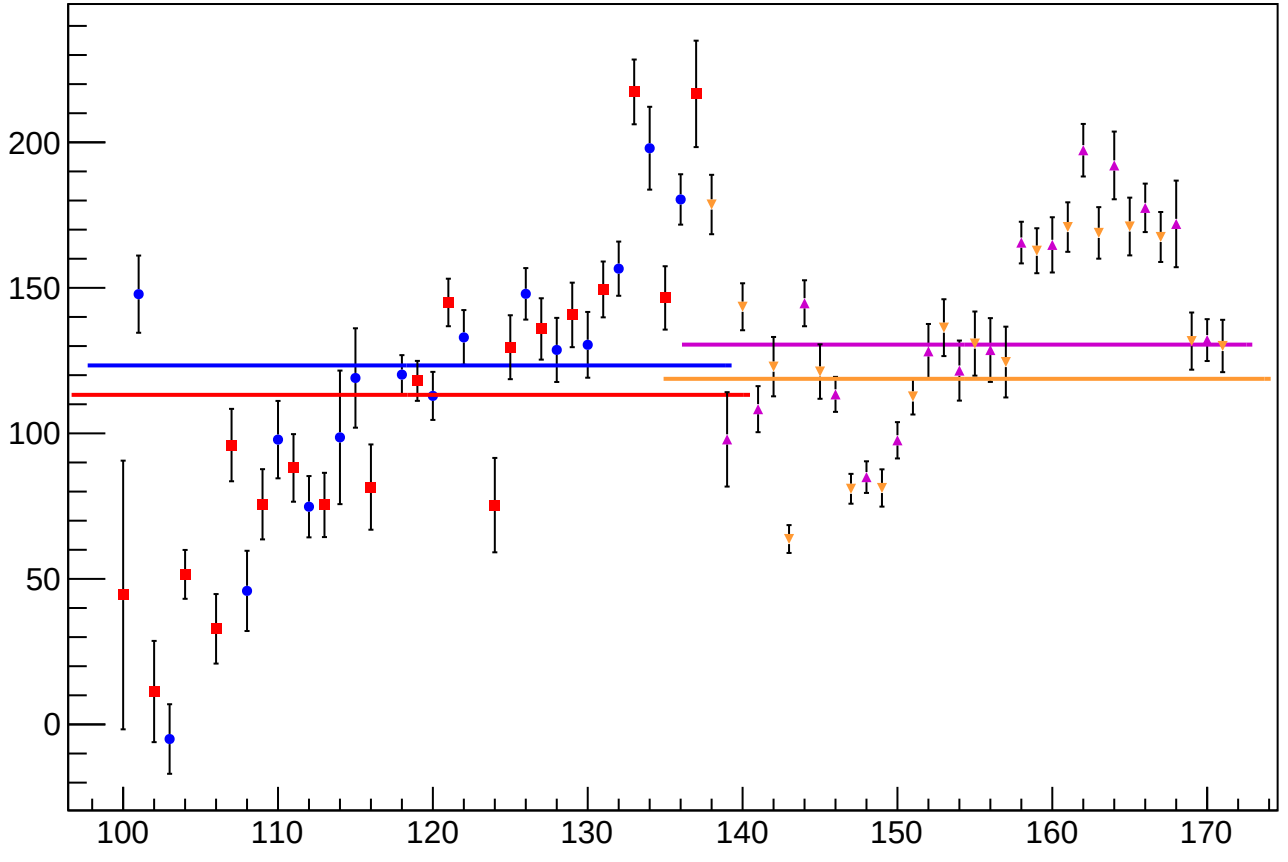
Left In: 513.913+/-2.485 χ^2/NDF:441.3/15

+ sign 486.618+/-1.682 χ^2/NDF: 4896.9/33

All: 491.283+/-1.204 χ^2/NDF: 9590.8/68

- sign 496.198+/-1.726 χ^2/NDF: 4678.1/34

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 118.743+/-1.846 χ^2/NDF:436.0/17

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

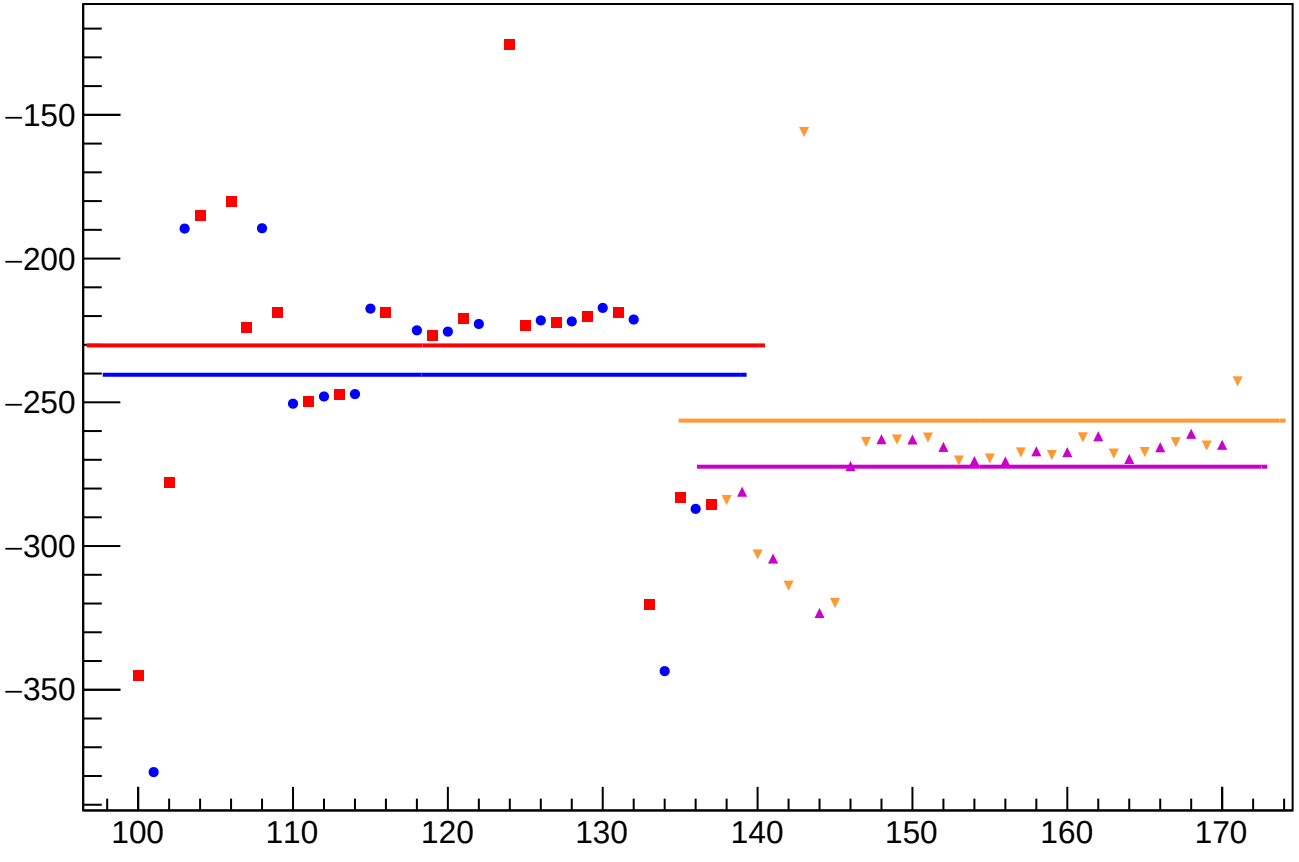
Left In: 130.496+/-2.038 χ^2/NDF:281.4/15

+ sign 120.264+/-1.511 χ^2/NDF: 709.4/33

All: 121.917+/-1.095 χ^2/NDF: 1367.2/68

- sign 123.750+/-1.591 χ^2/NDF: 655.2/34

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.366+/-0.088 χ^2/NDF:242228.8/17

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

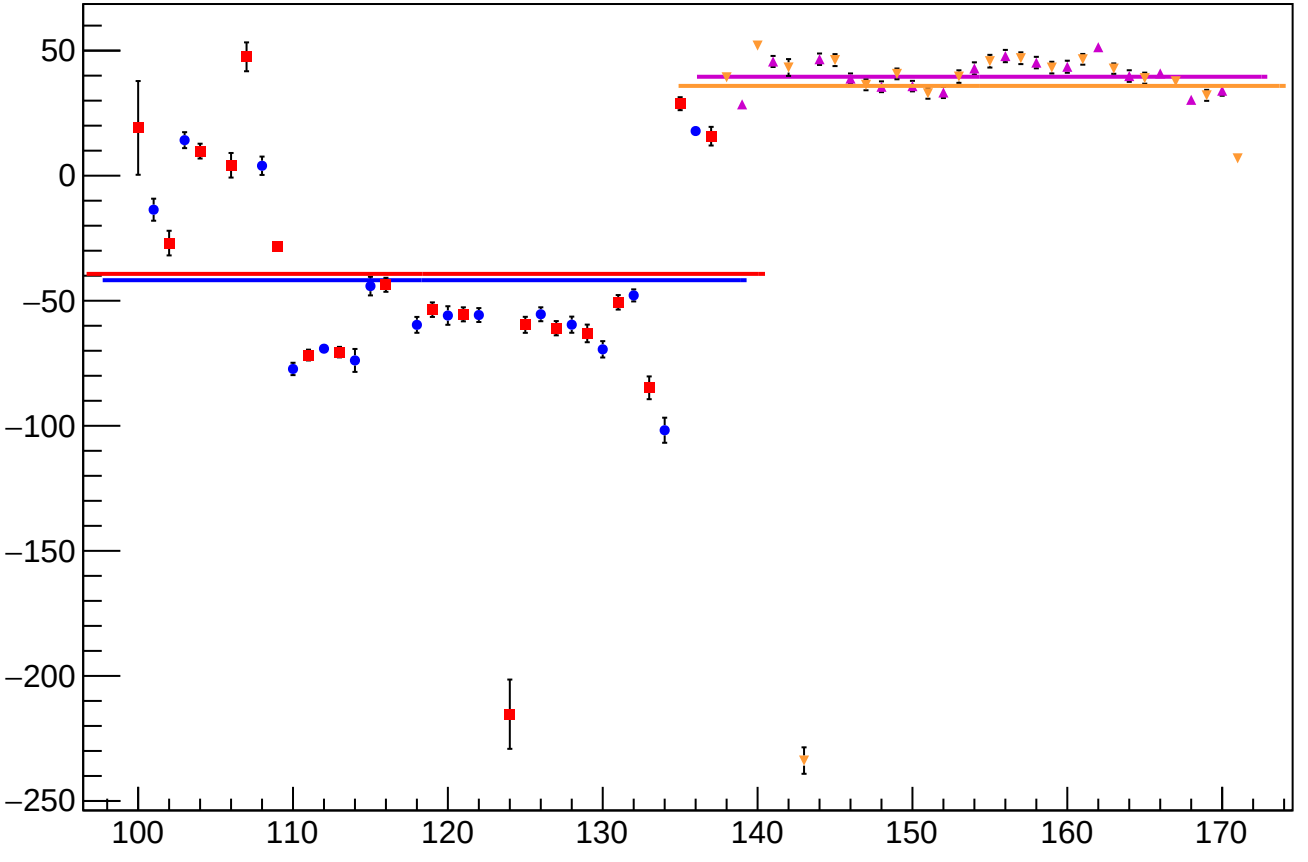
Left In: -272.400+/-0.095 χ^2/NDF:26842.3/15

+ sign -252.288+/-0.076 χ^2/NDF: 384734.4/33

All: -255.972+/-0.055 χ^2/NDF: 558439.6/68

- sign -259.984+/-0.079 χ^2/NDF: 168816.2/34

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 35.894+/-0.528 χ^2/NDF:3028.5/17

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

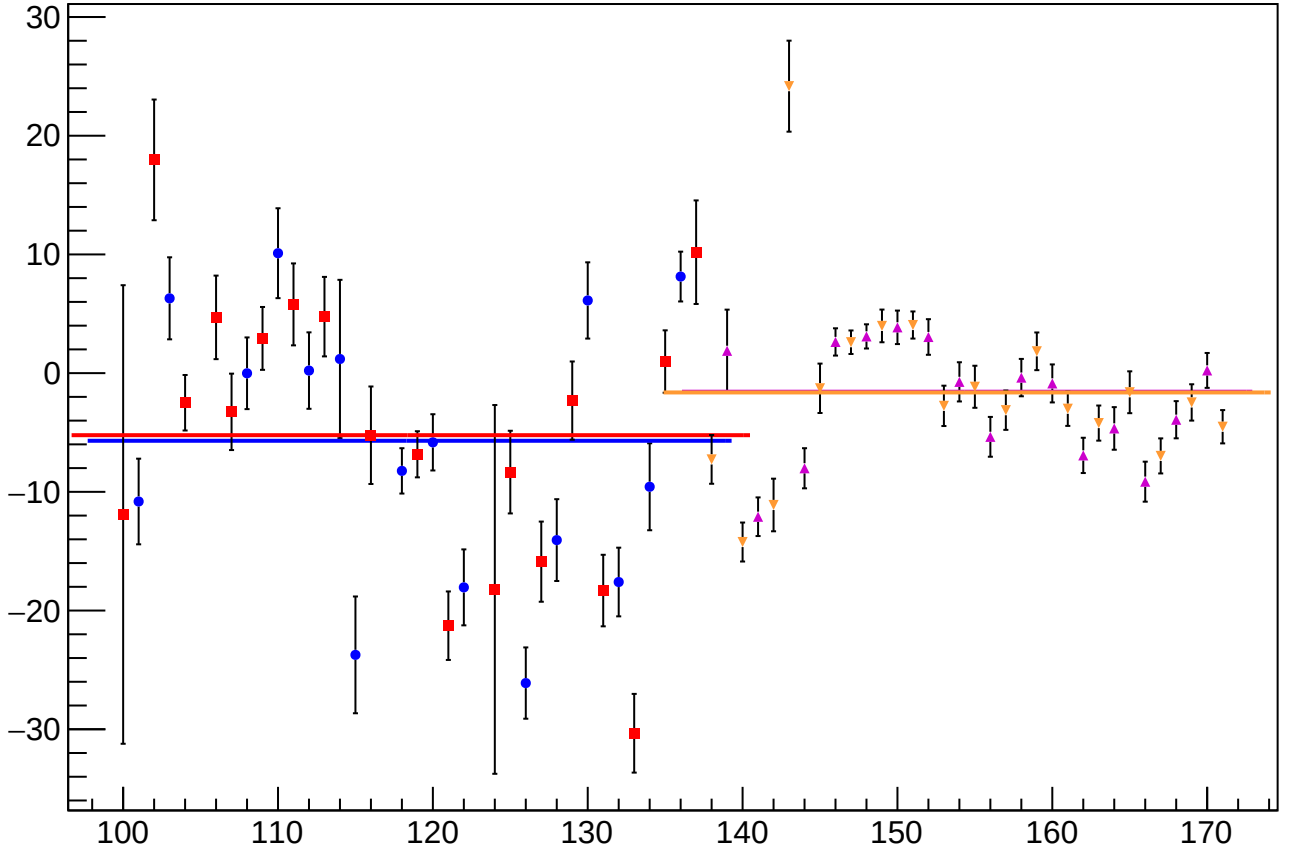
Left In: 39.553+/-0.538 χ^2/NDF:154.0/15

\+ sign 8.854+/-0.427 χ^2/NDF: 12957.2/33

All: 9.015+/-0.300 χ^2/NDF: 23854.3/68

\- sign 9.171+/-0.422 χ^2/NDF: 10896.8/34

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.627+/-0.365 χ^2/NDF:217.3/17

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

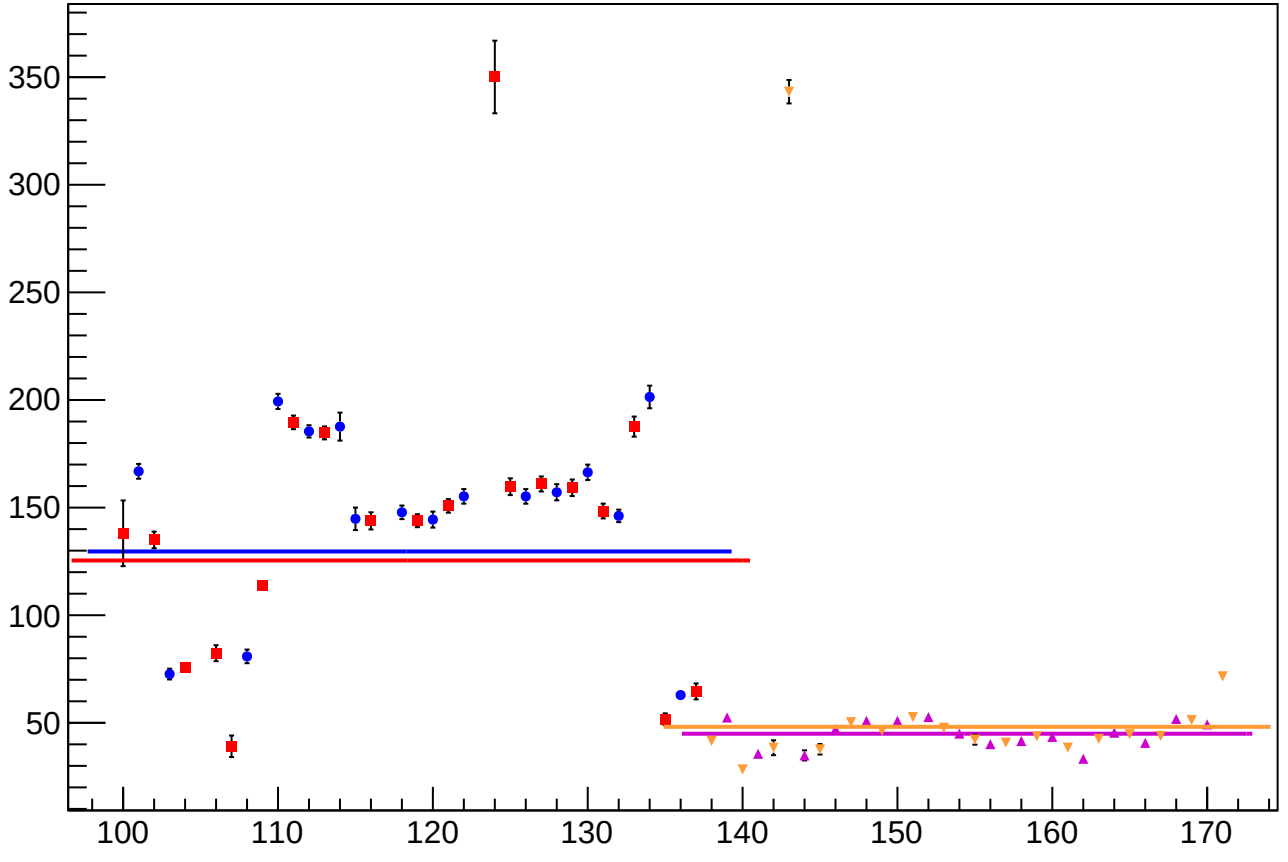
Left In: -1.565+/-0.379 χ^2/NDF:162.0/15

+ sign -2.402+/-0.329 χ^2/NDF: 437.7/33

All: -2.364+/-0.235 χ^2/NDF: 816.5/68

- sign -2.325+/-0.337 χ^2/NDF: 378.8/34

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 48.144+/-0.516 χ^2/NDF:3298.0/17

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

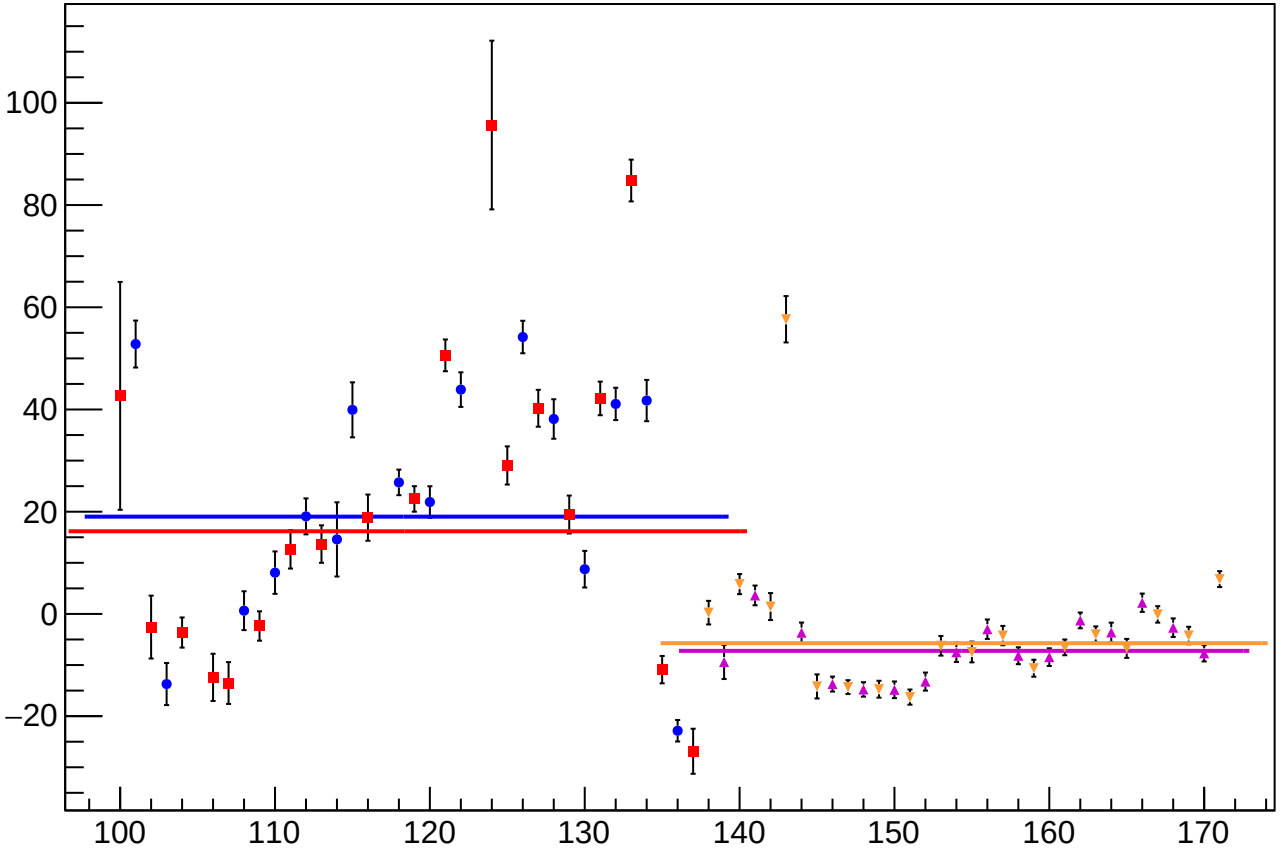
Left In: 44.939+/-0.524 χ^2/NDF:149.6/15

+ sign 72.046+/-0.434 χ^2/NDF: 14240.7/33

All: 70.793+/-0.308 χ^2/NDF: 25125.3/68

- sign 69.523+/-0.436 χ^2/NDF: 10867.8/34

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -5.725+/-0.422 χ^2/NDF:467.3/17

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

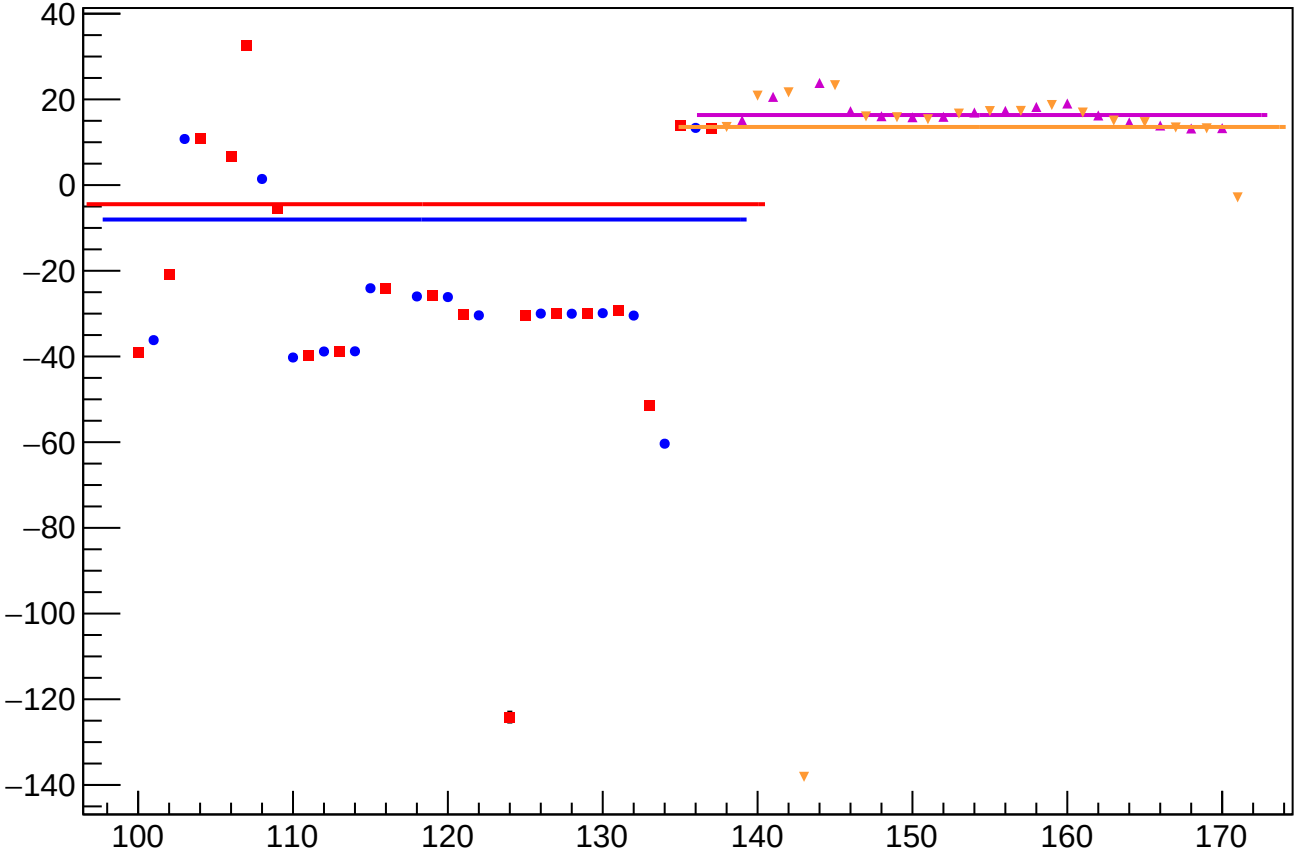
Left In: -7.226+/-0.437 χ^2/NDF:174.9/15

+ sign -0.911+/-0.379 χ^2/NDF: 1993.3/33

All: -1.585+/-0.271 χ^2/NDF: 3719.6/68

- sign -2.292+/-0.388 χ^2/NDF: 1719.9/34

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.565+/-0.019 χ^2/NDF:551980.9/17

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

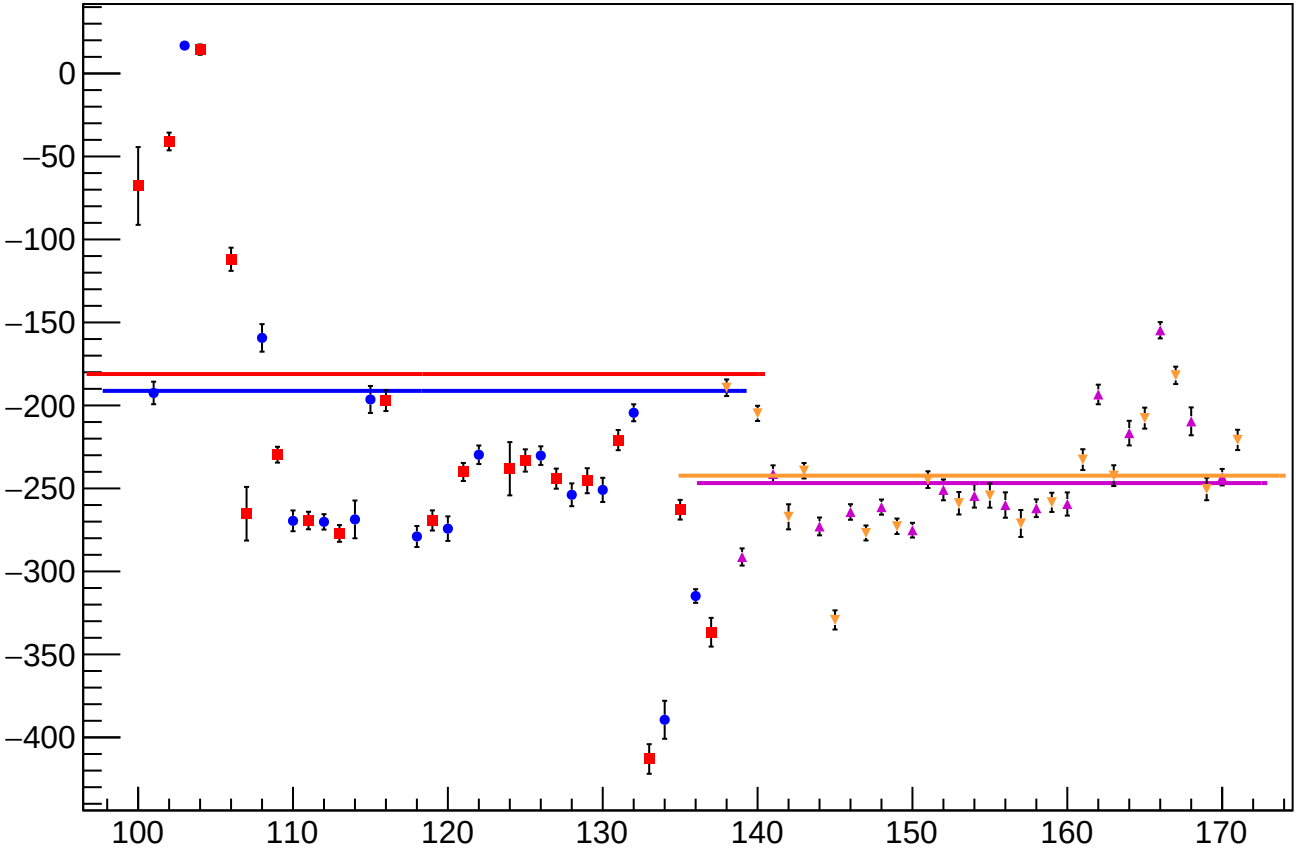
Left In: 16.350+/-0.019 χ^2/NDF:14998.1/15

+ sign 10.367+/-0.018 χ^2/NDF: 1009175.5/33

All: 11.799+/-0.013 χ^2/NDF: 1434672.5/68

- sign 13.285+/-0.018 χ^2/NDF: 412050.4/34

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -242.303+/-1.333 χ^2/NDF:727.5/17

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

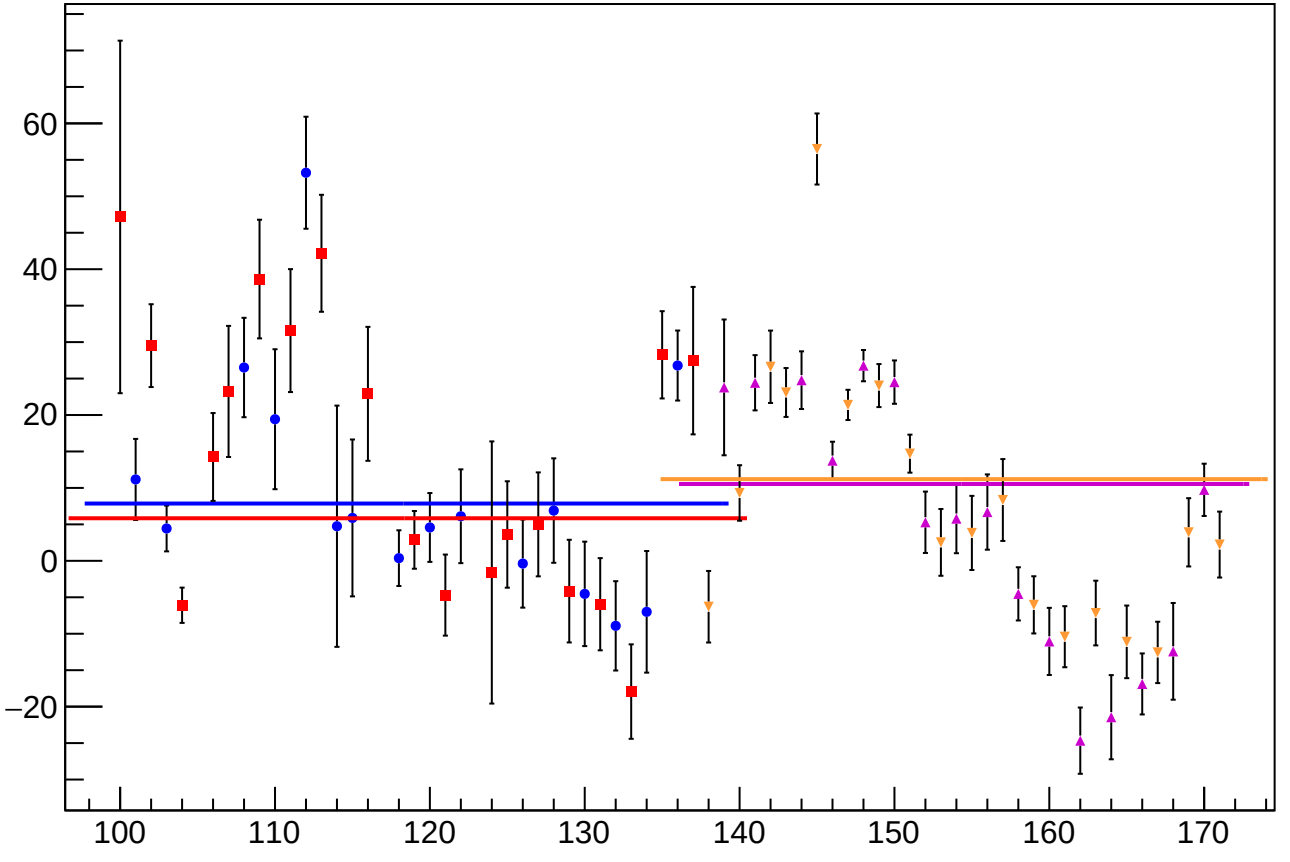
Left In: -246.776+/-1.394 χ^2/NDF:648.8/15

+ sign -218.354+/-0.971 χ^2/NDF: 8640.8/33

All: -216.032+/-0.690 χ^2/NDF: 17795.0/68

- sign -213.661+/-0.982 χ^2/NDF: 9142.6/34

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.203+/-0.891 χ^2/NDF:293.7/17

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

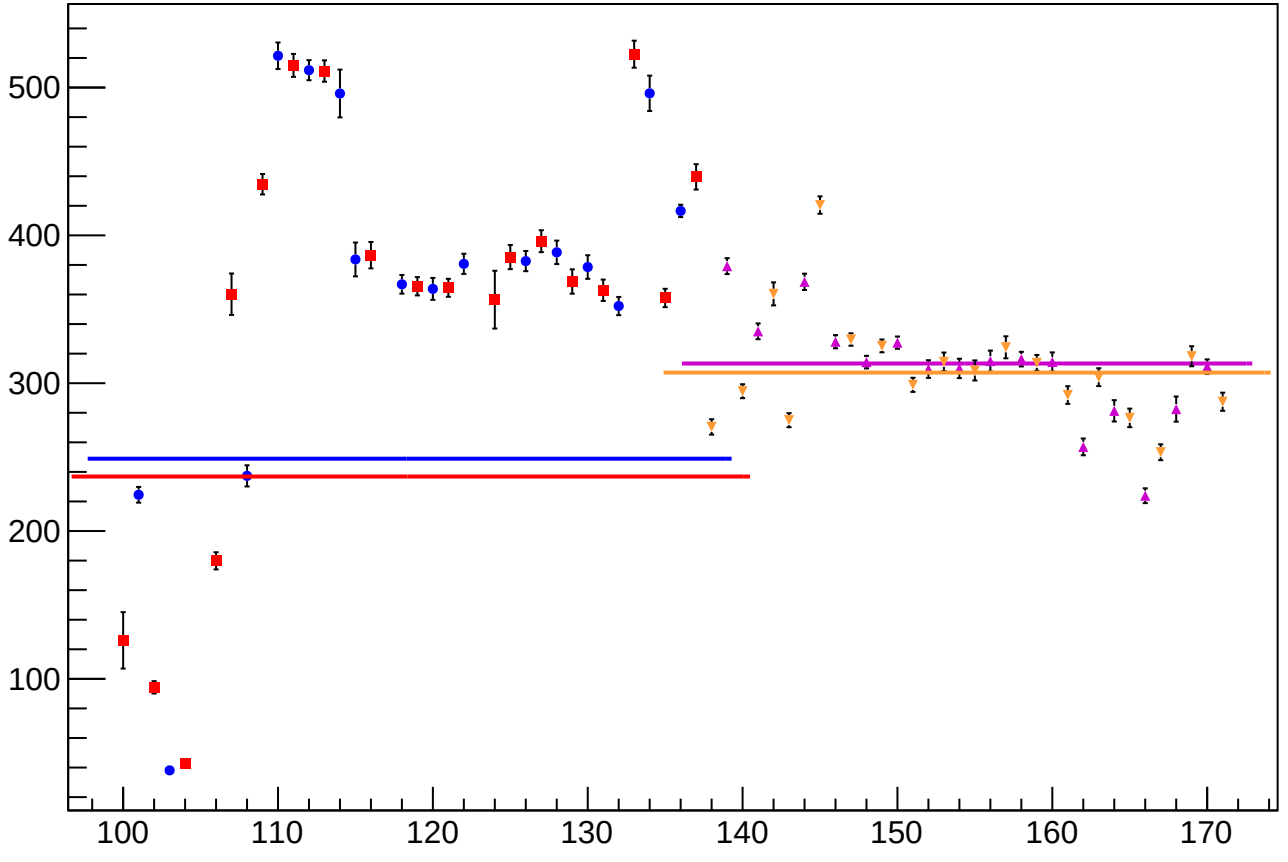
Left In: 10.538+/-0.945 χ^2/NDF:297.2/15

+ sign 10.275+/-0.757 χ^2/NDF: 378.6/33

All: 9.653+/-0.542 χ^2/NDF: 827.0/68

- sign 9.002+/-0.775 χ^2/NDF: 447.1/34

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 307.167+/-1.304 χ^2/NDF:720.7/17

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

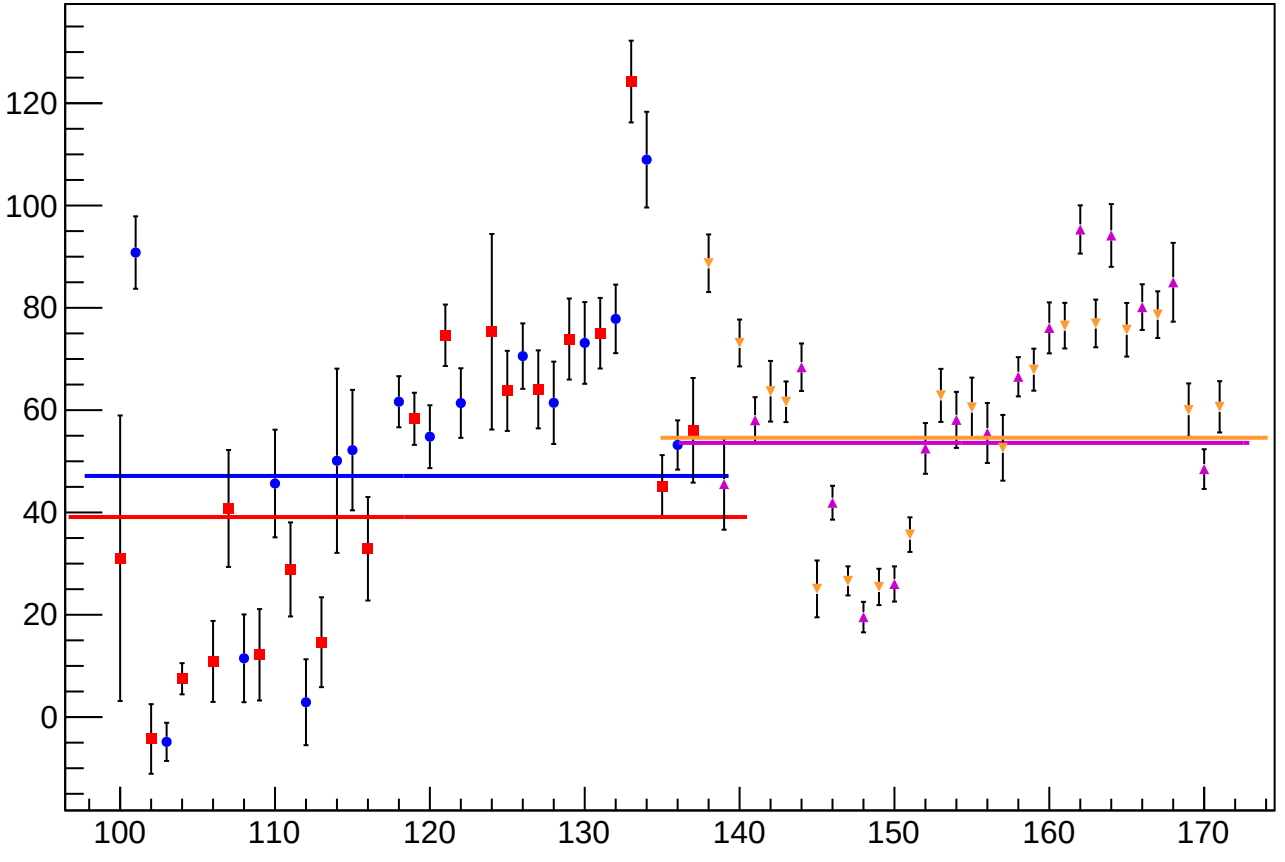
Left In: 313.322+/-1.353 χ^2/NDF:739.4/15

\+ sign 280.562+/-0.961 χ^2/NDF: 16934.2/33

All: 278.599+/-0.684 χ^2/NDF: 34873.4/68

\- sign 276.577+/-0.975 χ^2/NDF: 17930.8/34

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.601+/-1.054 χ^2/NDF:390.1/17

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

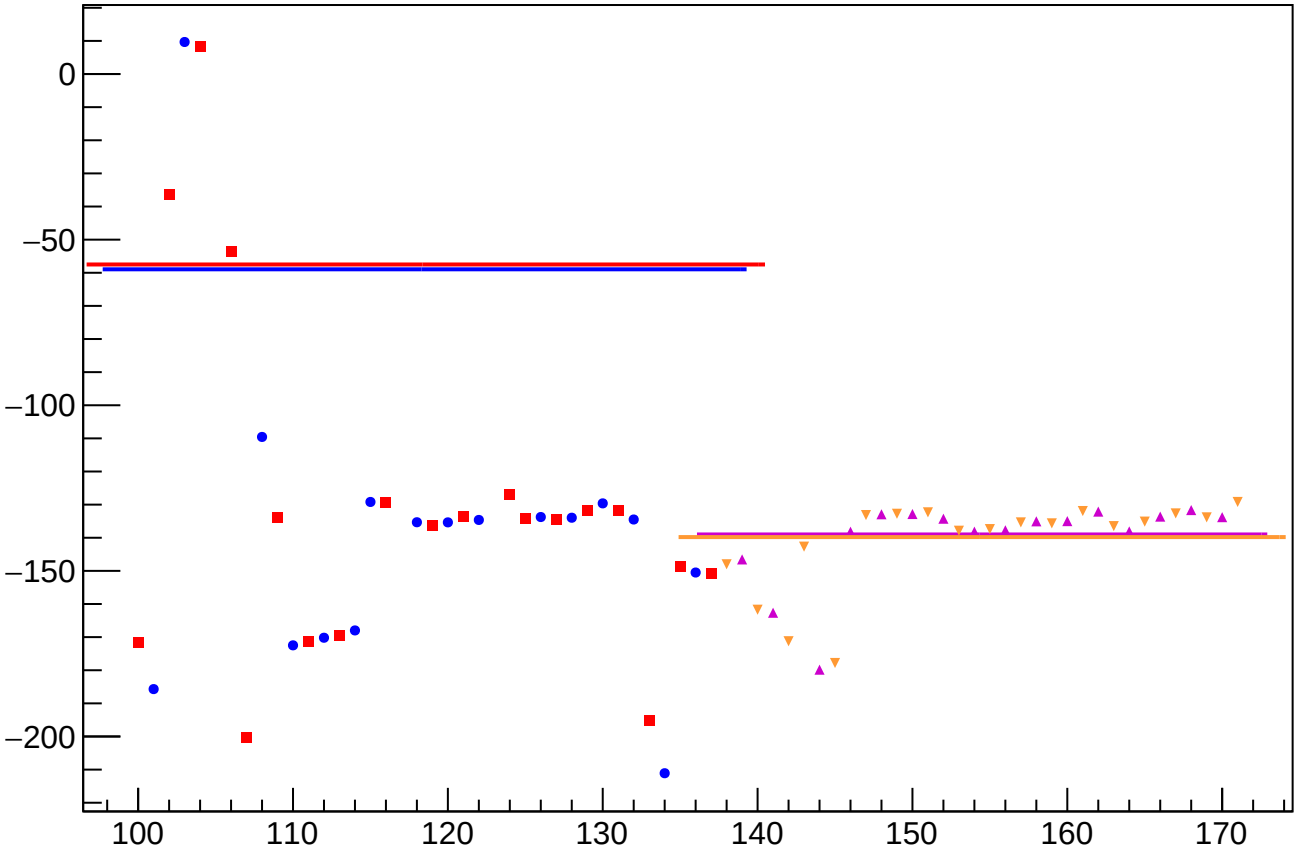
Left In: 53.601+/-1.110 χ^2/NDF:426.9/15

+ sign 52.472+/-0.891 χ^2/NDF: 789.8/33

All: 50.715+/-0.637 χ^2/NDF: 1696.7/68

- sign 48.876+/-0.911 χ^2/NDF: 899.0/34

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -139.800+/-0.050 χ^2/NDF:60800.5/17

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

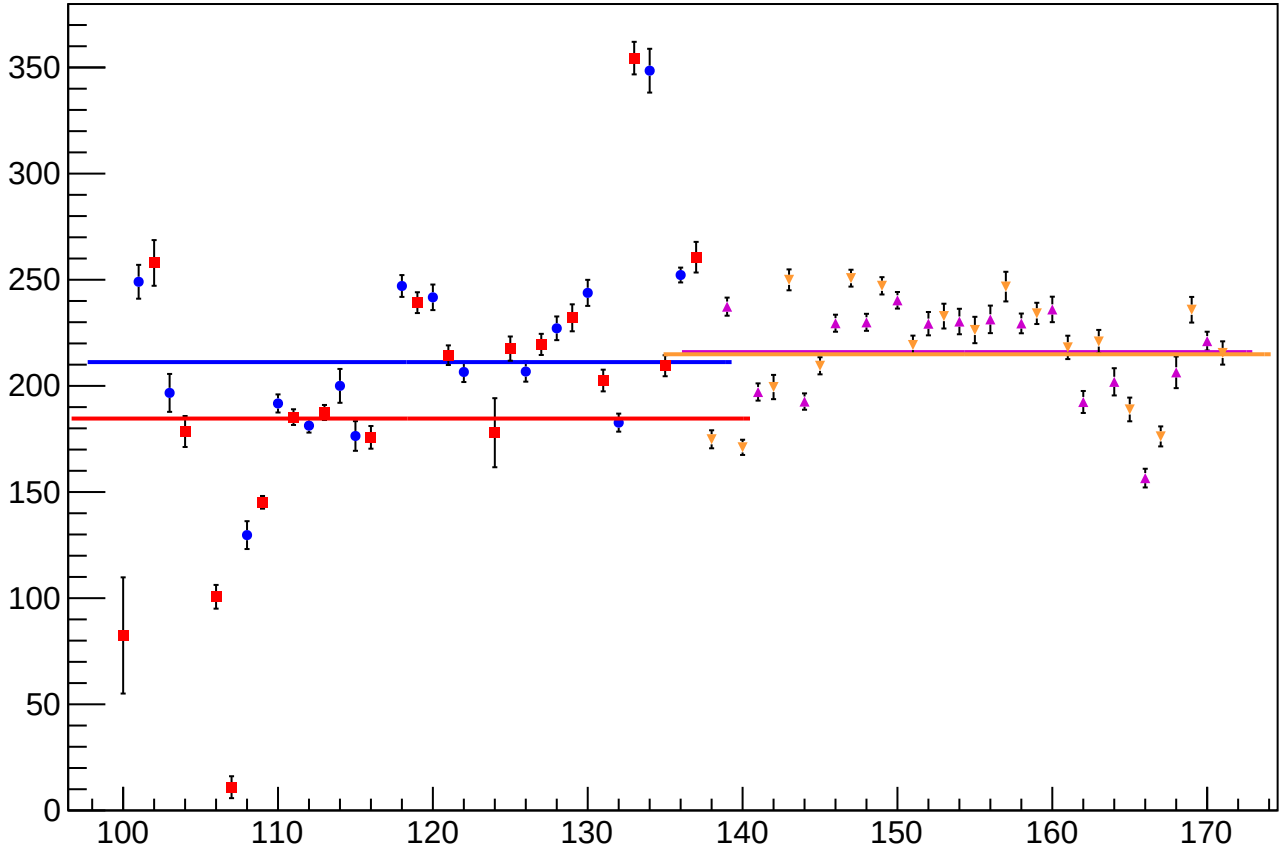
Left In: -139.008+/-0.051 χ^2/NDF:47745.9/15

+ sign -113.811+/-0.041 χ^2/NDF: 2129093.7/33

All: -113.254+/-0.029 χ^2/NDF: 3863982.5/68

- sign -112.668+/-0.042 χ^2/NDF: 1734513.2/34

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.902+/-1.146 χ^2/NDF:594.5/17

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

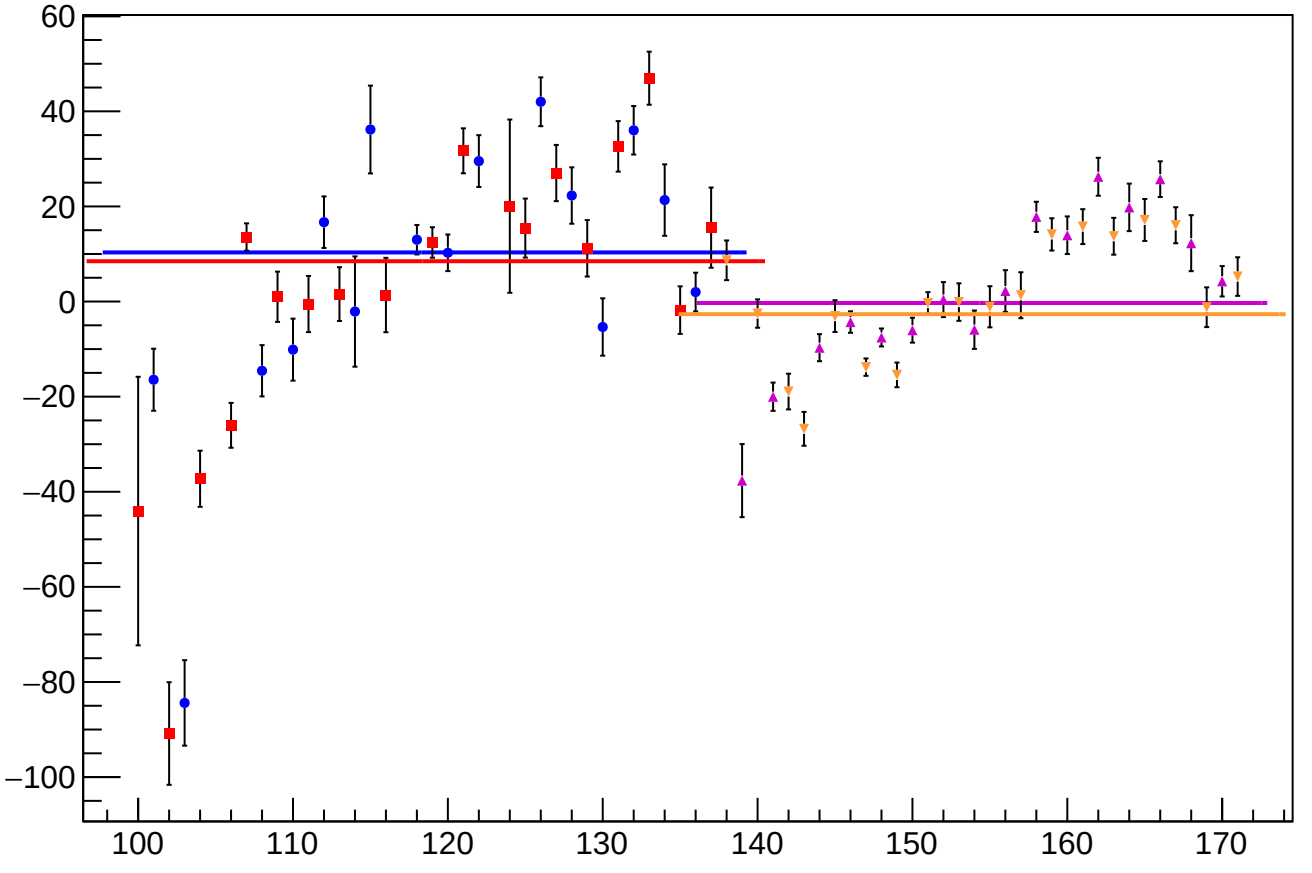
Left In: 215.914+/-1.183 χ^2/NDF:393.0/15

+ sign 213.281+/-0.859 χ^2/NDF: 1382.1/33

All: 206.704+/-0.601 χ^2/NDF: 4777.0/68

- sign 200.401+/-0.840 χ^2/NDF: 3280.0/34

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -2.658+/-0.772 χ^2/NDF:251.8/17

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

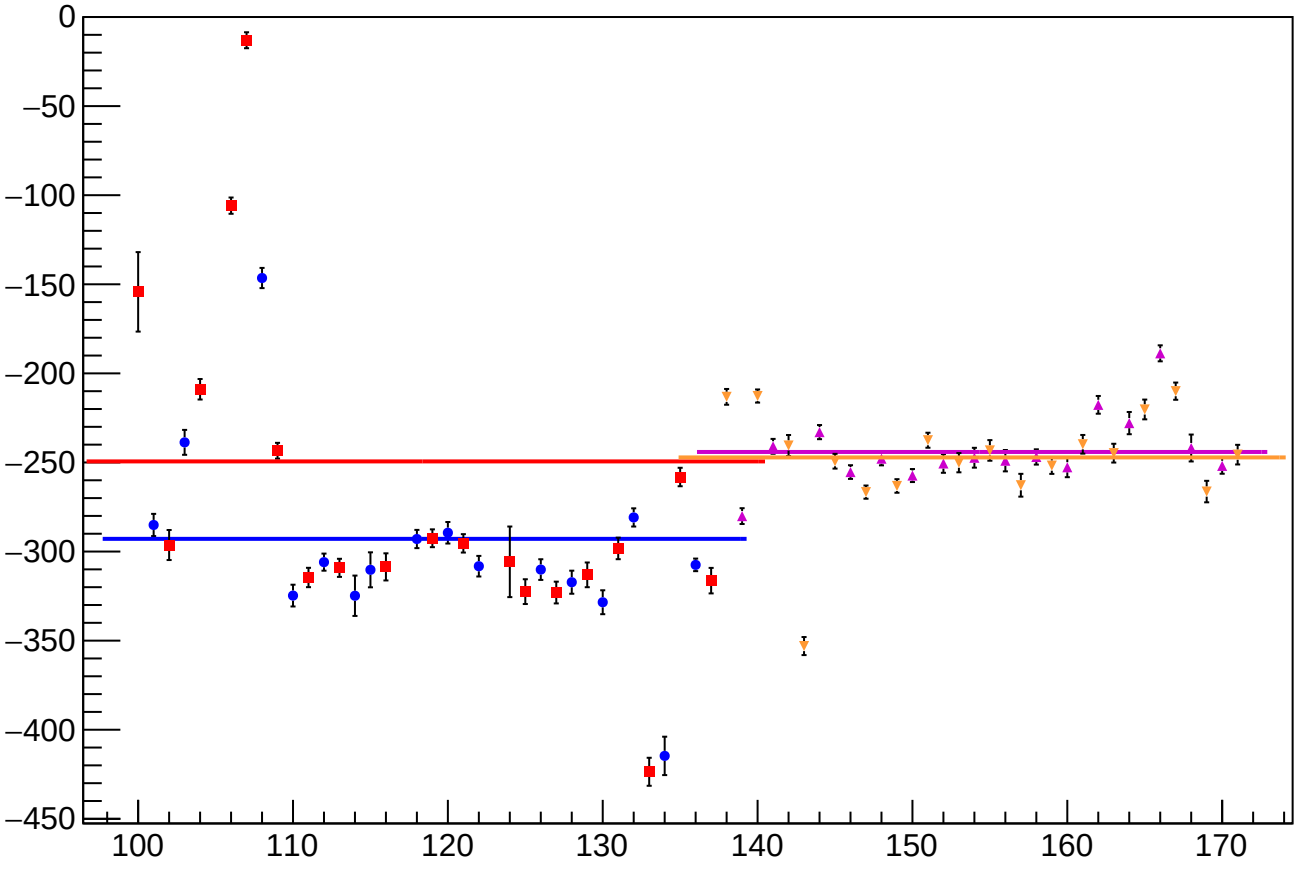
Left In: -0.304+/-0.809 χ^2/NDF:264.5/15

+ sign 0.608+/-0.668 χ^2/NDF: 586.2/33

All: 1.477+/-0.475 χ^2/NDF: 1212.2/68

- sign 2.364+/-0.675 χ^2/NDF: 622.6/34

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -247.174+/-1.123 χ^2/NDF:738.6/17

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

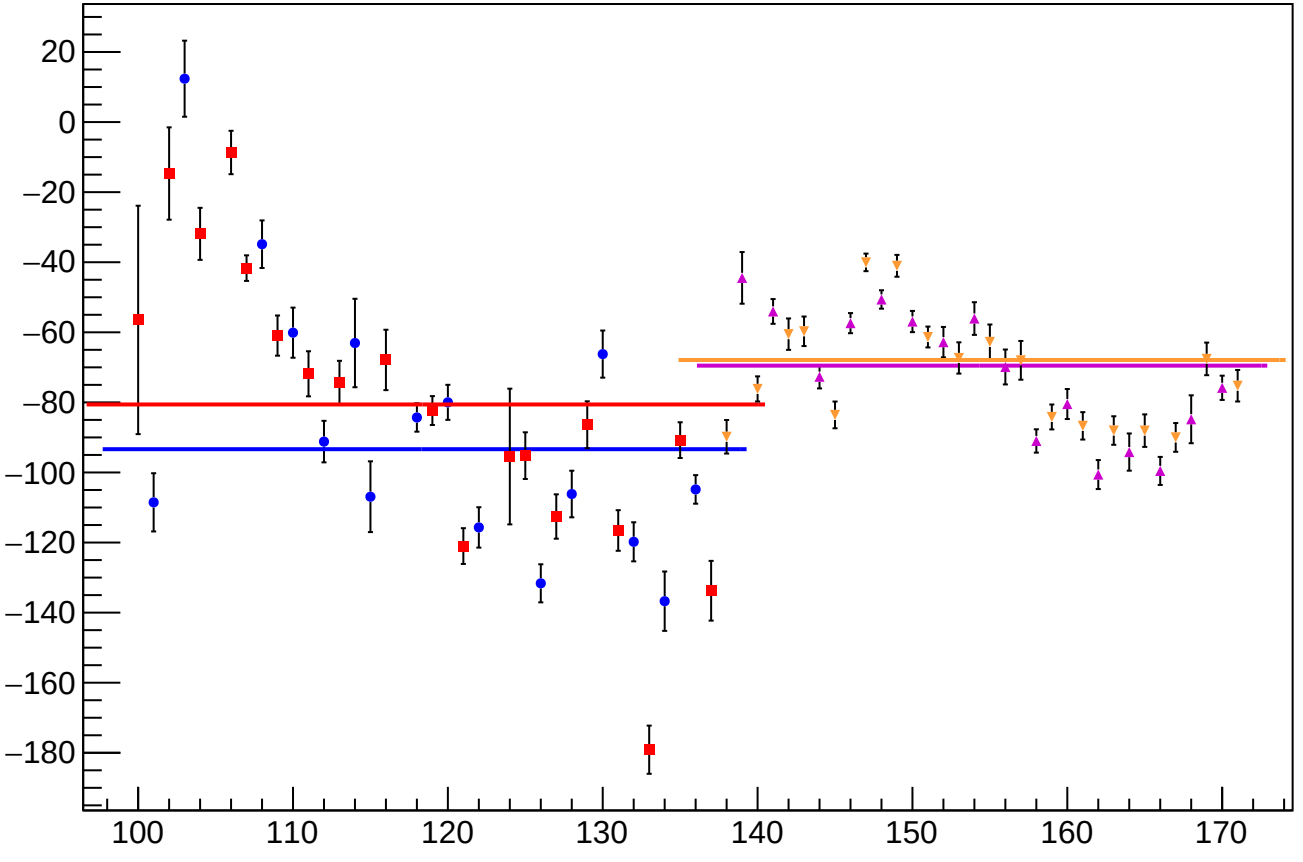
Left In: -244.108+/-1.152 χ^2/NDF:292.5/15

+ sign -264.058+/-0.892 χ^2/NDF: 2333.5/33

All: -255.076+/-0.627 χ^2/NDF: 8203.6/68

- sign -246.305+/-0.881 χ^2/NDF: 5669.7/34

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.901+/-0.913 χ^2/NDF:372.4/17

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

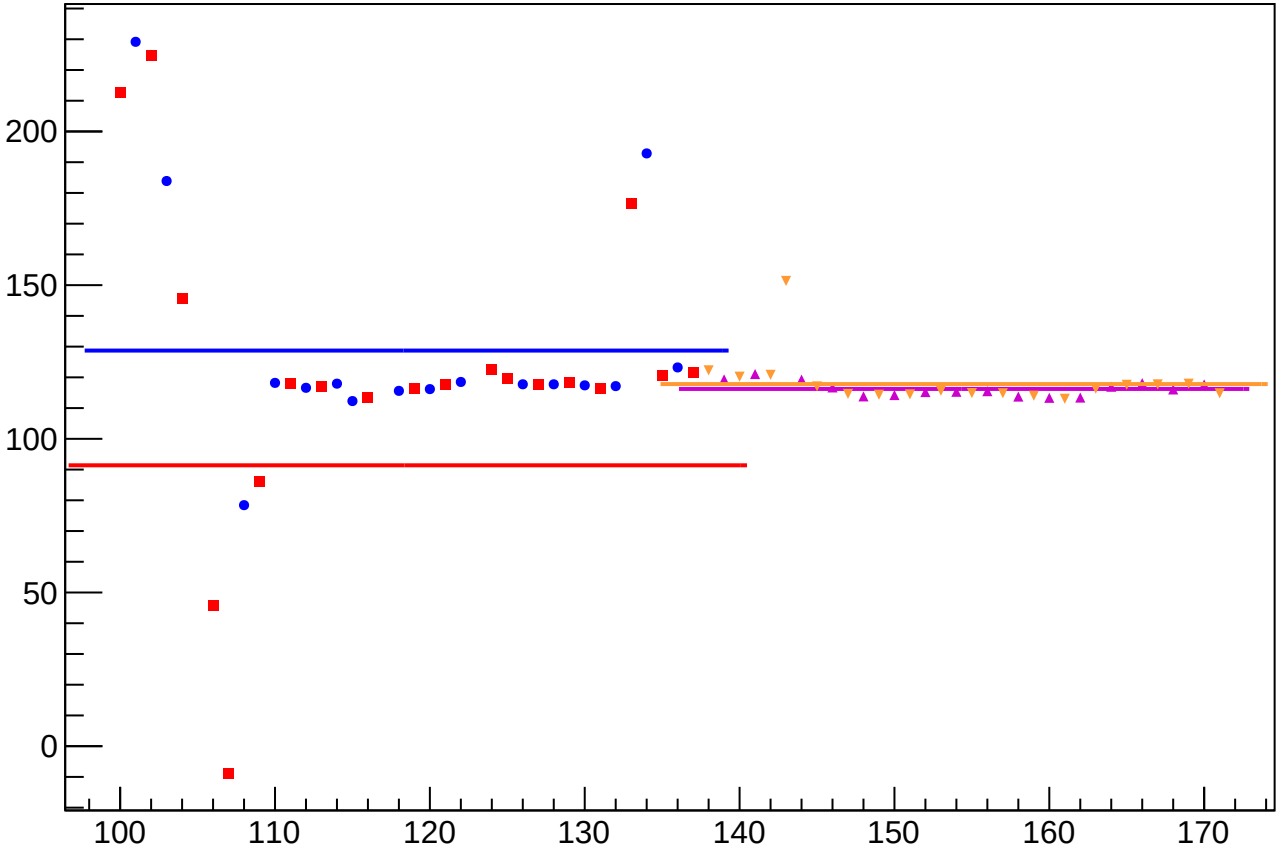
Left In: -69.512+/-0.950 χ^2/NDF:320.1/15

+ sign -74.552+/-0.784 χ^2/NDF: 931.1/33

All: -73.743+/-0.557 χ^2/NDF: 2010.6/68

- sign -72.922+/-0.790 χ^2/NDF: 1077.3/34

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.812+/-0.043 χ^2/NDF:29680.1/17

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

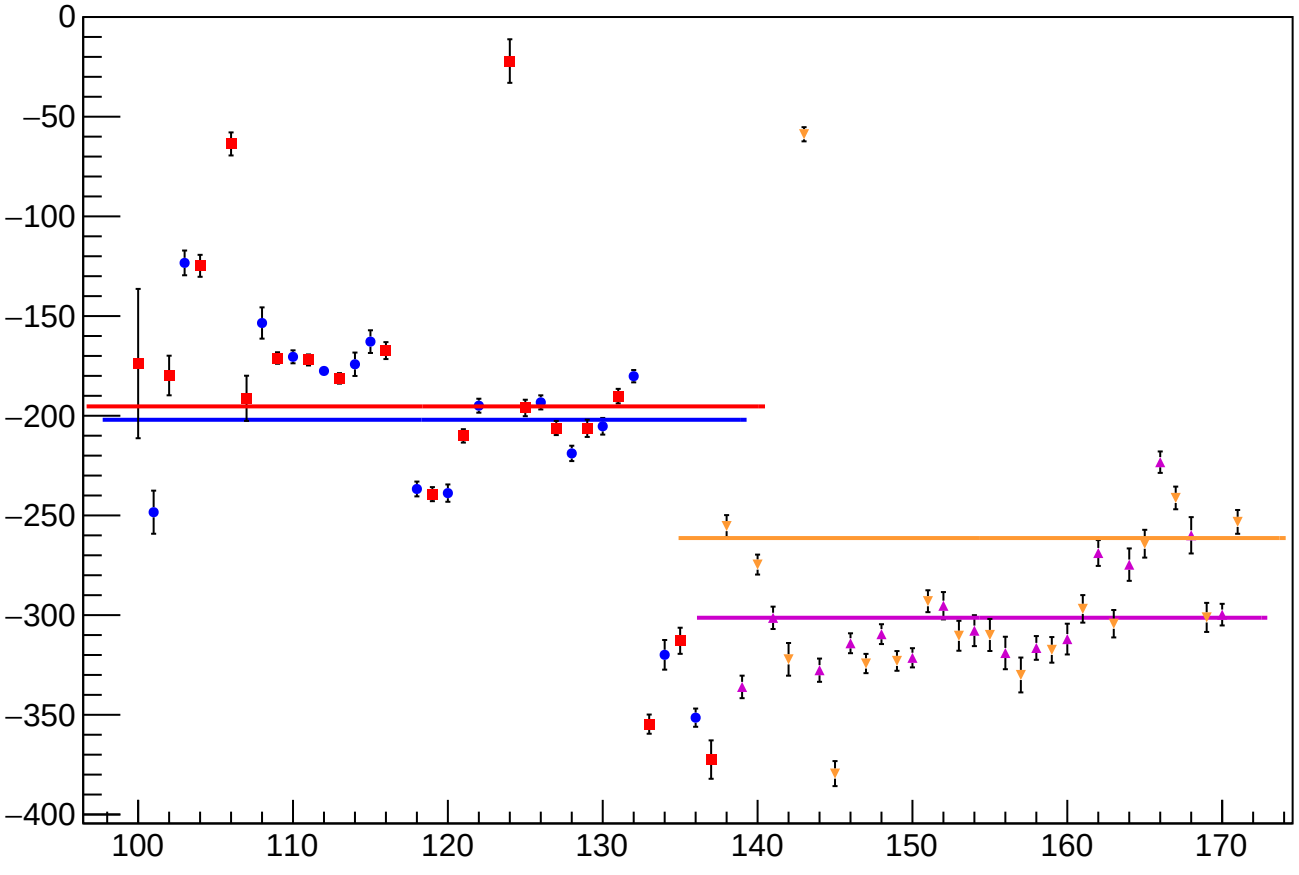
Left In: 116.227+/-0.044 χ^2/NDF:2922.4/15

\+ sign 119.880+/-0.039 χ^2/NDF: 225327.0/33

All: 115.073+/-0.027 χ^2/NDF: 938960.1/68

\- sign 110.382+/-0.038 χ^2/NDF: 683334.6/34

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.347+/-1.387 χ^2/NDF:4343.0/17

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

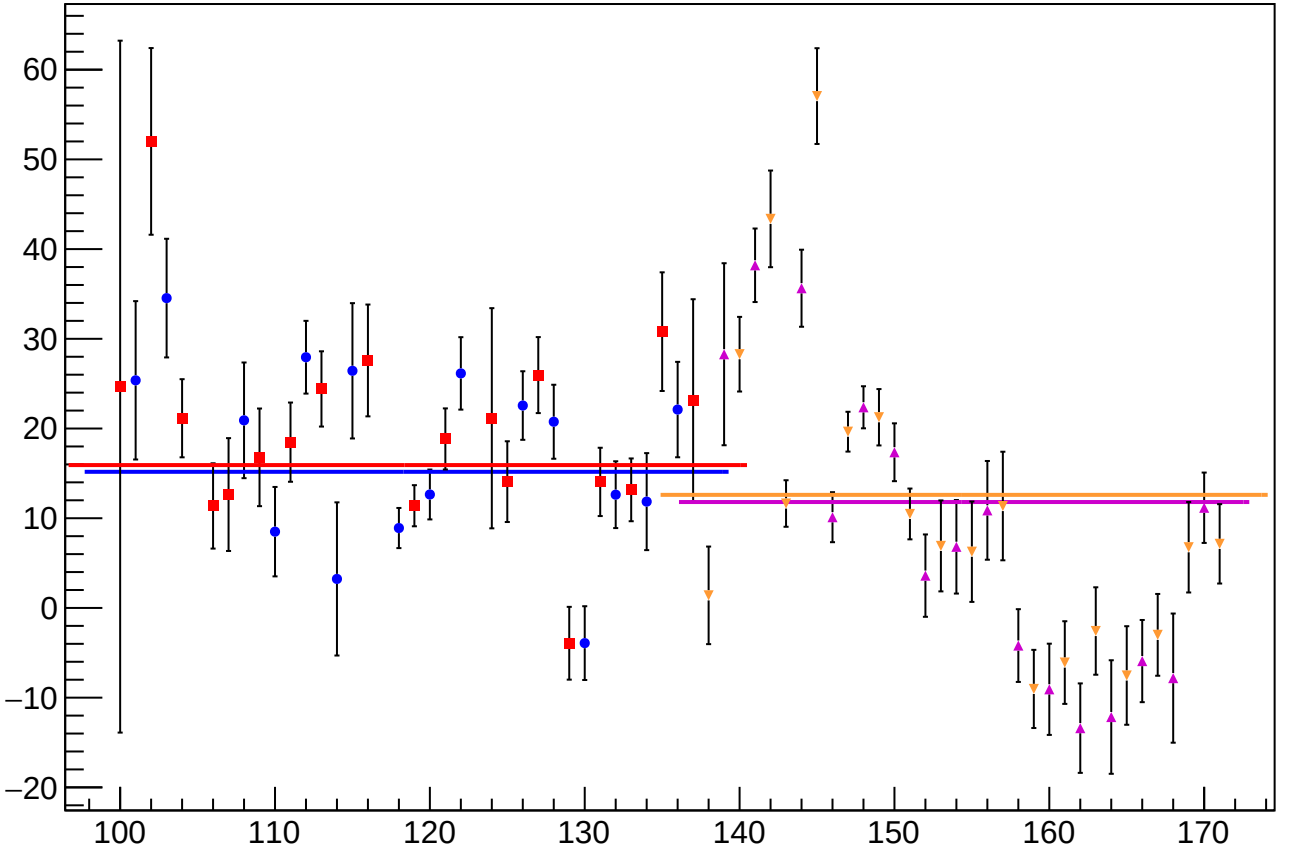
Left In: -301.318+/-1.518 χ^2/NDF:366.7/15

+ sign -222.959+/-0.824 χ^2/NDF: 7567.9/33

All: -224.597+/-0.581 χ^2/NDF: 14496.4/68

- sign -226.220+/-0.820 χ^2/NDF: 6920.7/34

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 12.606+/-0.932 χ^2/NDF:220.2/17

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

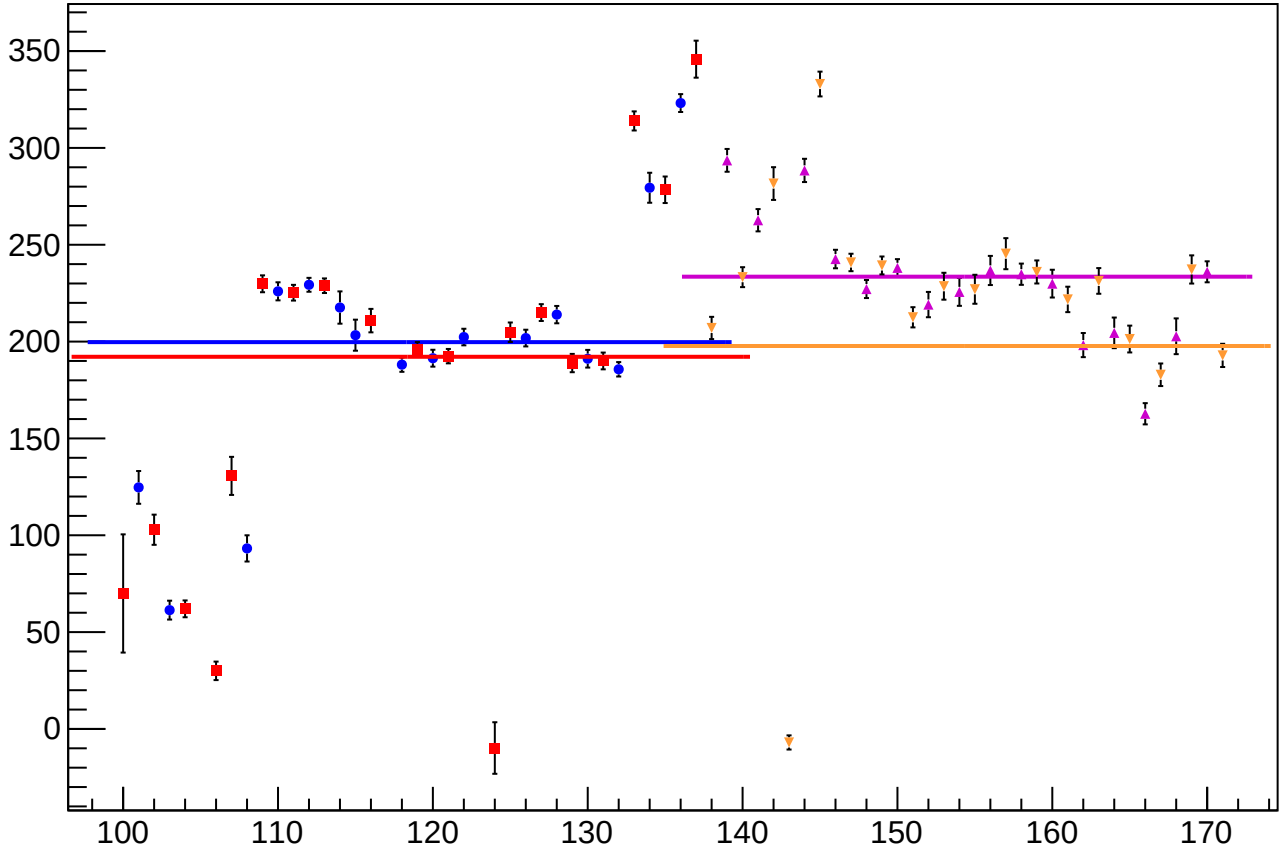
Left In: 11.806+/-1.029 χ^2/NDF:197.4/15

+ sign 13.741+/-0.696 χ^2/NDF: 295.9/33

All: 13.793+/-0.504 χ^2/NDF: 564.8/68

- sign 13.850+/-0.730 χ^2/NDF: 268.9/34

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.724+/-1.362 χ^2/NDF:4092.6/17

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

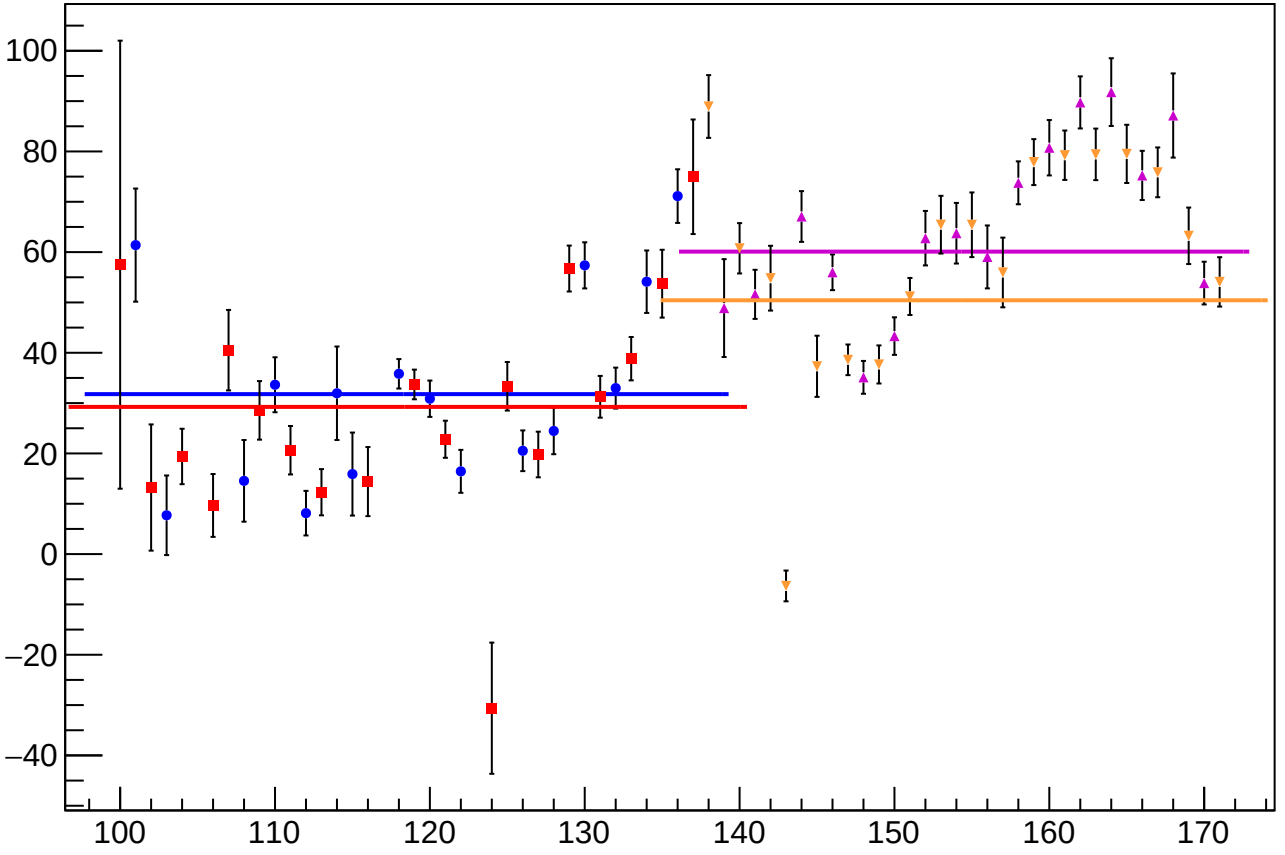
Left In: 233.514+/-1.474 χ^2/NDF:450.0/15

+ sign 198.852+/-0.898 χ^2/NDF: 6195.4/33

All: 203.287+/-0.638 χ^2/NDF: 10960.8/68

- sign 207.808+/-0.907 χ^2/NDF: 4716.2/34

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 50.428+/-1.102 χ^2/NDF:591.6/17

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

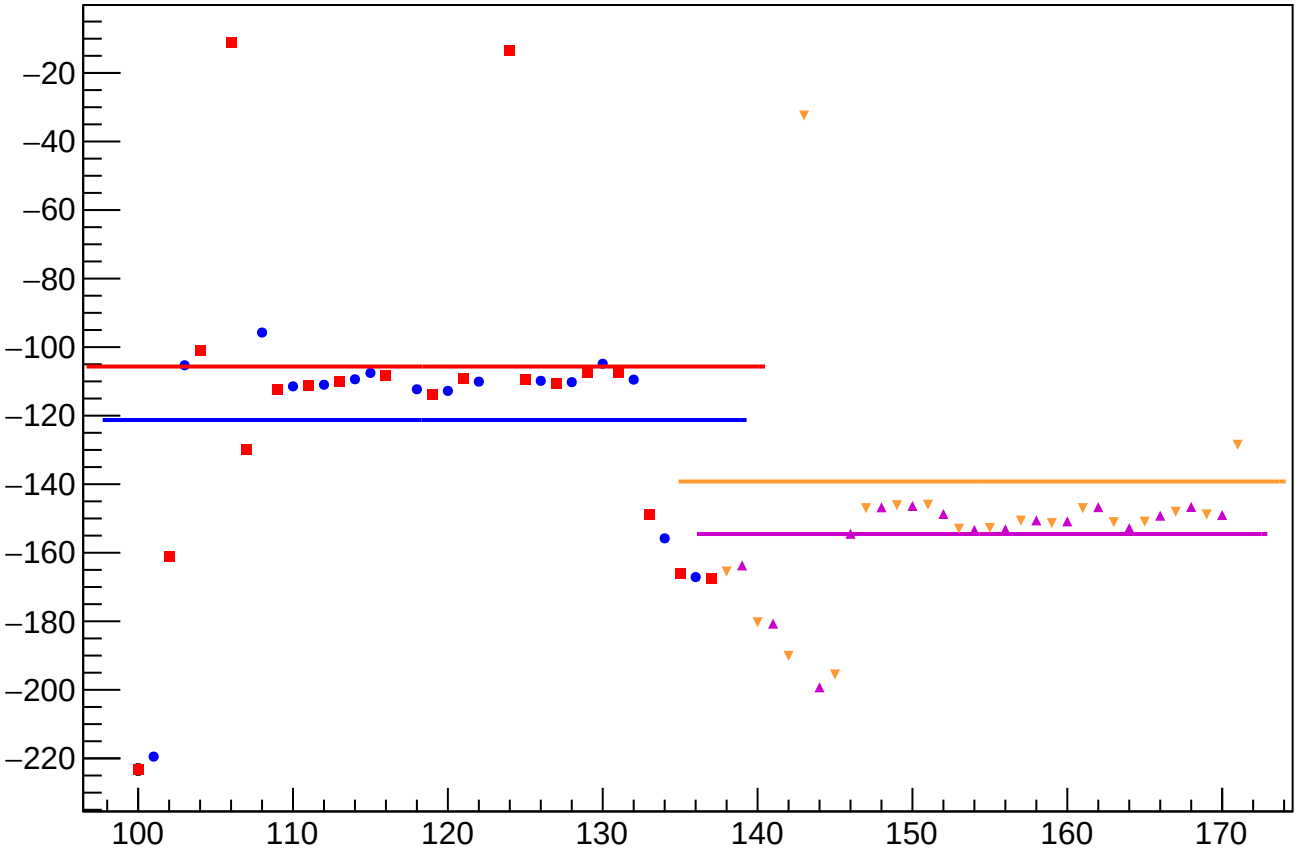
Left In: 60.097+/-1.210 χ^2/NDF:188.7/15

+ sign 42.020+/-0.817 χ^2/NDF: 897.5/33

All: 43.211+/-0.589 χ^2/NDF: 1560.4/68

- sign 44.504+/-0.851 χ^2/NDF: 658.4/34

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.207+/-0.052 χ^2/NDF:636688.0/17

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

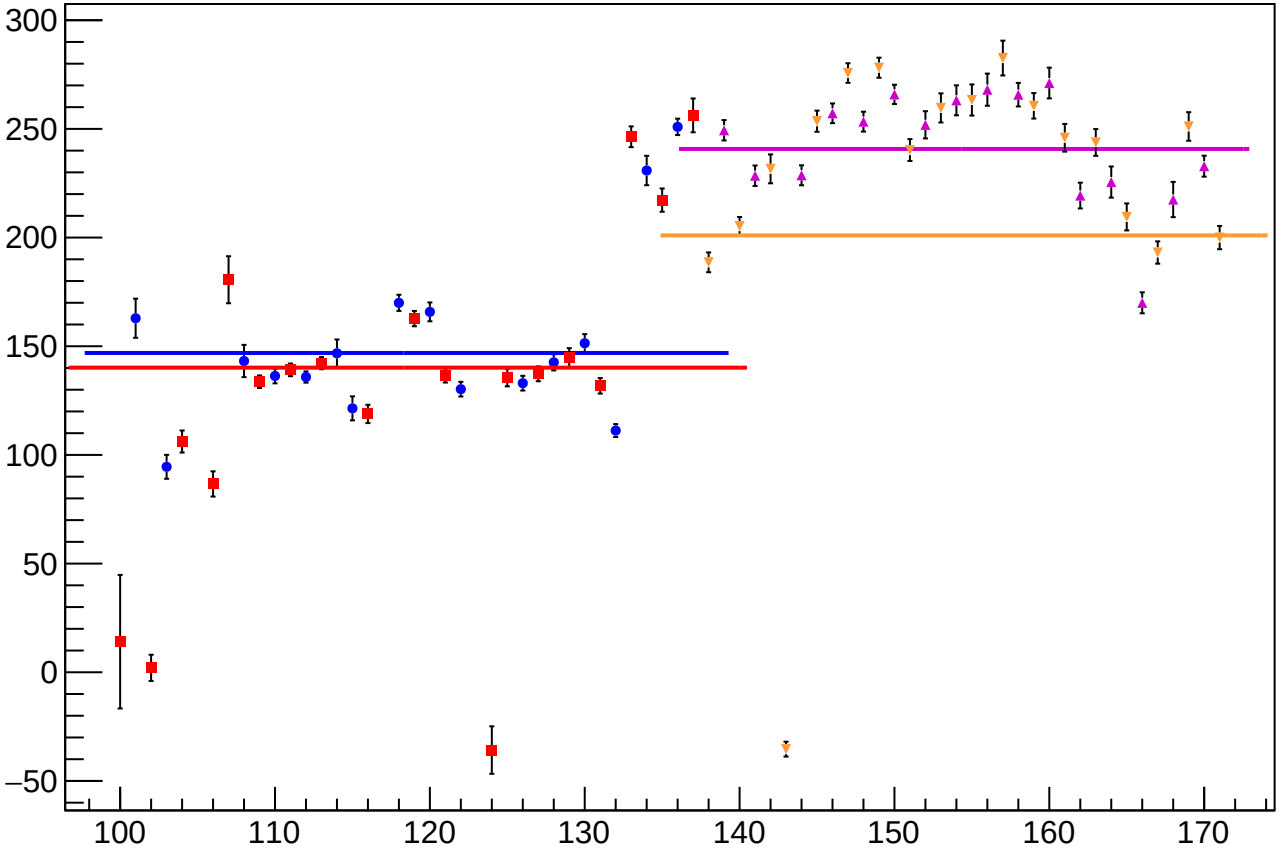
Left In: -154.532+/-0.056 χ^2/NDF:50107.5/15

+ sign -133.746+/-0.044 χ^2/NDF: 791751.7/33

All: -135.320+/-0.031 χ^2/NDF: 1473822.5/68

- sign -136.972+/-0.045 χ^2/NDF: 679413.3/34

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 201.009+/-1.239 χ^2/NDF:6061.5/17

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

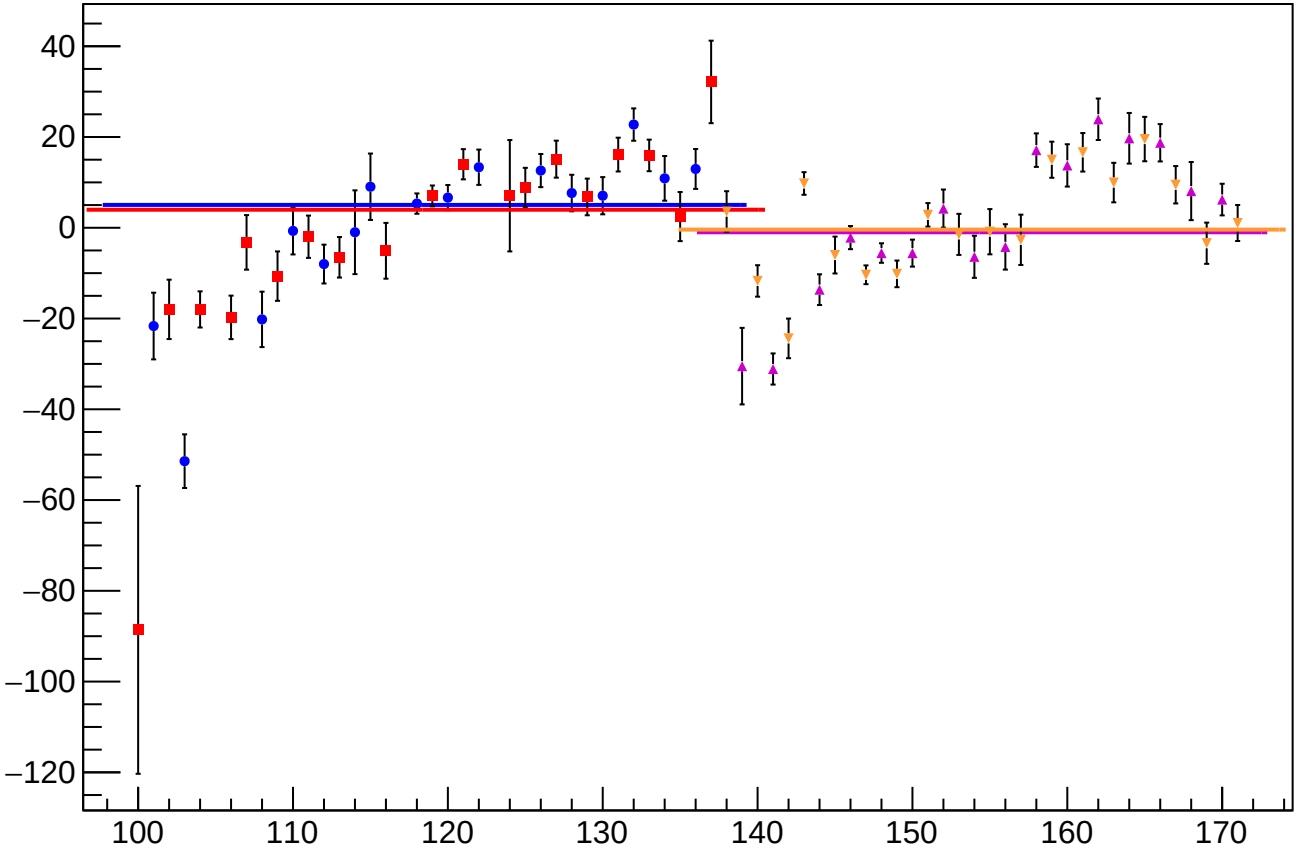
Left In: 240.770+/-1.344 χ^2/NDF:380.2/15

+ sign 168.334+/-0.780 χ^2/NDF: 8515.3/33

All: 171.229+/-0.552 χ^2/NDF: 14583.5/68

- sign 174.135+/-0.781 χ^2/NDF: 6040.5/34

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -0.406+/-0.842 χ^2/NDF:155.8/17

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

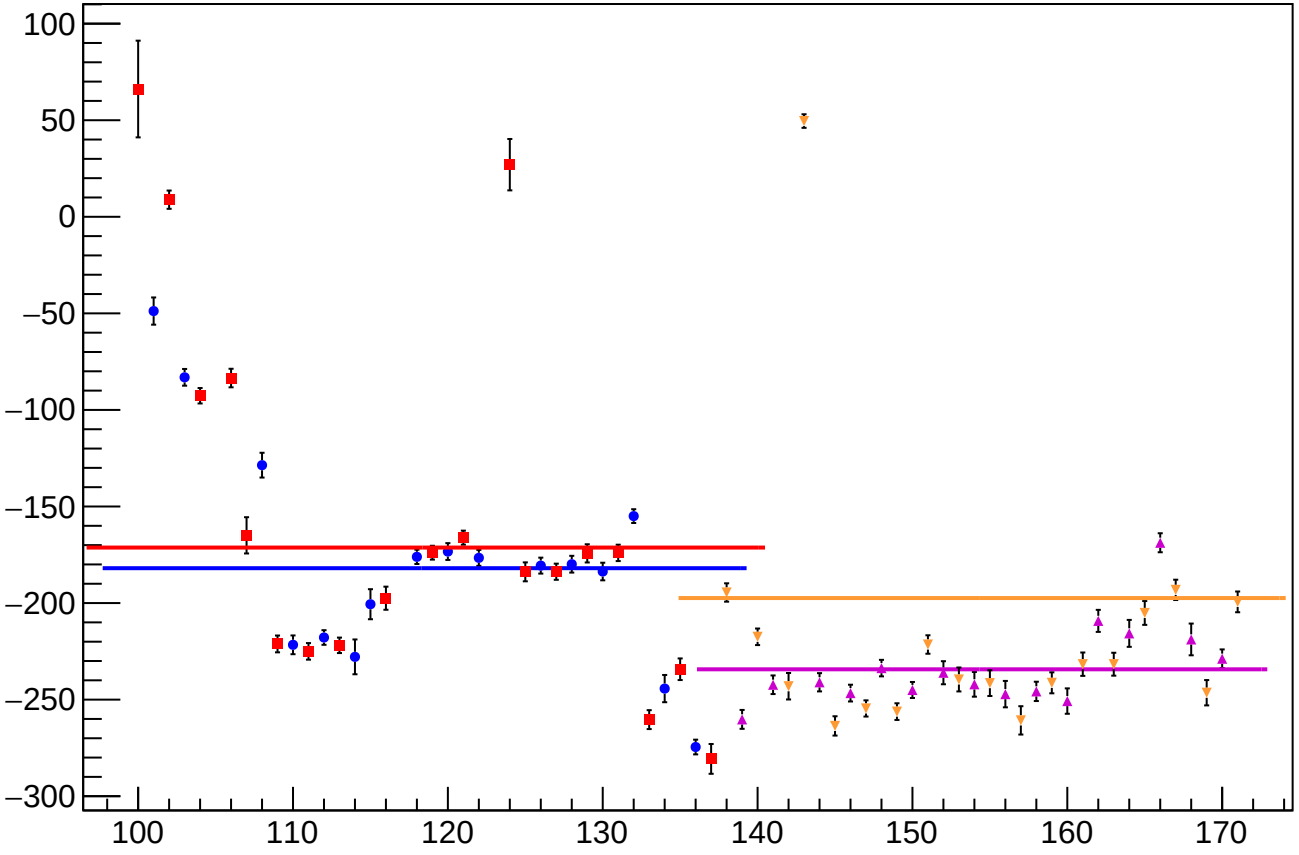
Left In: -0.995+/-0.922 χ^2/NDF:220.3/15

+ sign 1.798+/-0.650 χ^2/NDF: 344.6/33

All: 1.541+/-0.470 χ^2/NDF: 723.3/68

- sign 1.258+/-0.681 χ^2/NDF: 378.4/34

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -197.404+/-1.220 χ^2/NDF:5925.1/17

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

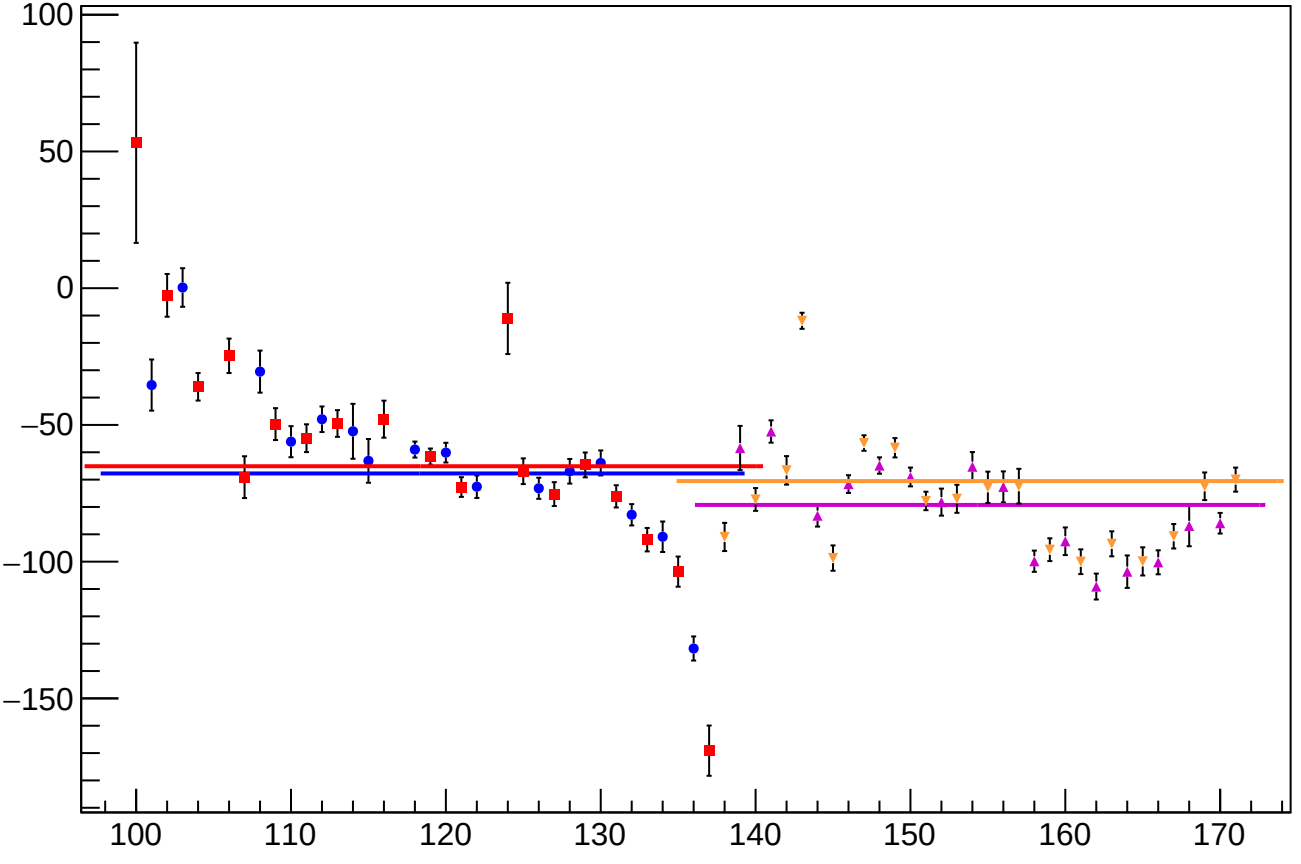
Left In: -234.302+/-1.310 χ^2/NDF:272.7/15

+ sign -189.248+/-0.838 χ^2/NDF: 7880.3/33

All: -193.403+/-0.596 χ^2/NDF: 13178.2/68

- sign -197.647+/-0.847 χ^2/NDF: 5248.3/34

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -70.524+/-0.994 χ^2/NDF:652.8/17

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

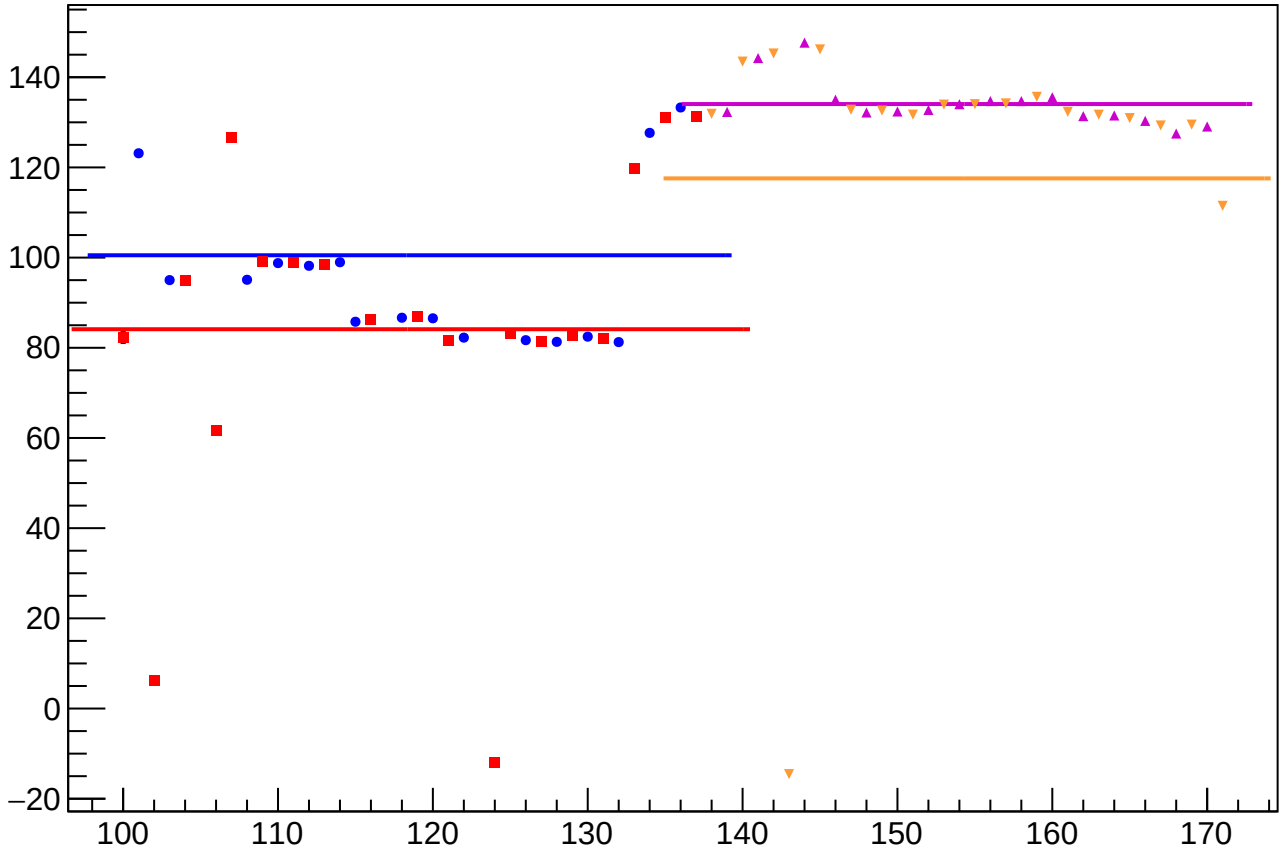
Left In: -79.253+/-1.081 χ^2/NDF:215.1/15

+ sign -69.373+/-0.760 χ^2/NDF: 1070.1/33

All: -70.973+/-0.549 χ^2/NDF: 1802.7/68

- sign -72.714+/-0.793 χ^2/NDF: 723.3/34

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.565+/-0.047 χ^2/NDF:938233.3/17

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

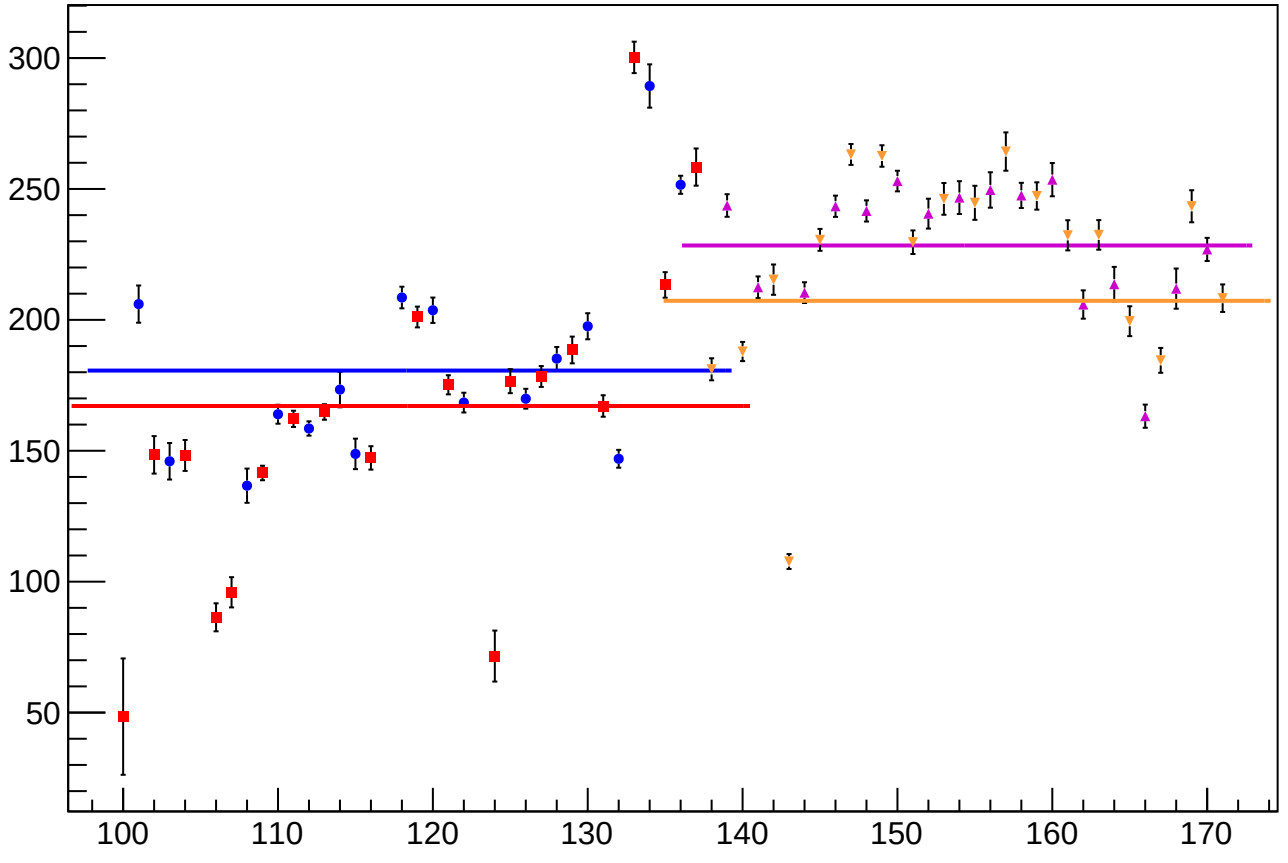
Left In: 134.052+/-0.050 χ^2/NDF:9286.3/15

+ sign 112.668+/-0.040 χ^2/NDF: 1043565.8/33

All: 114.804+/-0.028 χ^2/NDF: 1665648.2/68

- sign 117.023+/-0.040 χ^2/NDF: 616165.2/34

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: 207.276+/-1.105 χ^2/NDF:2022.5/17

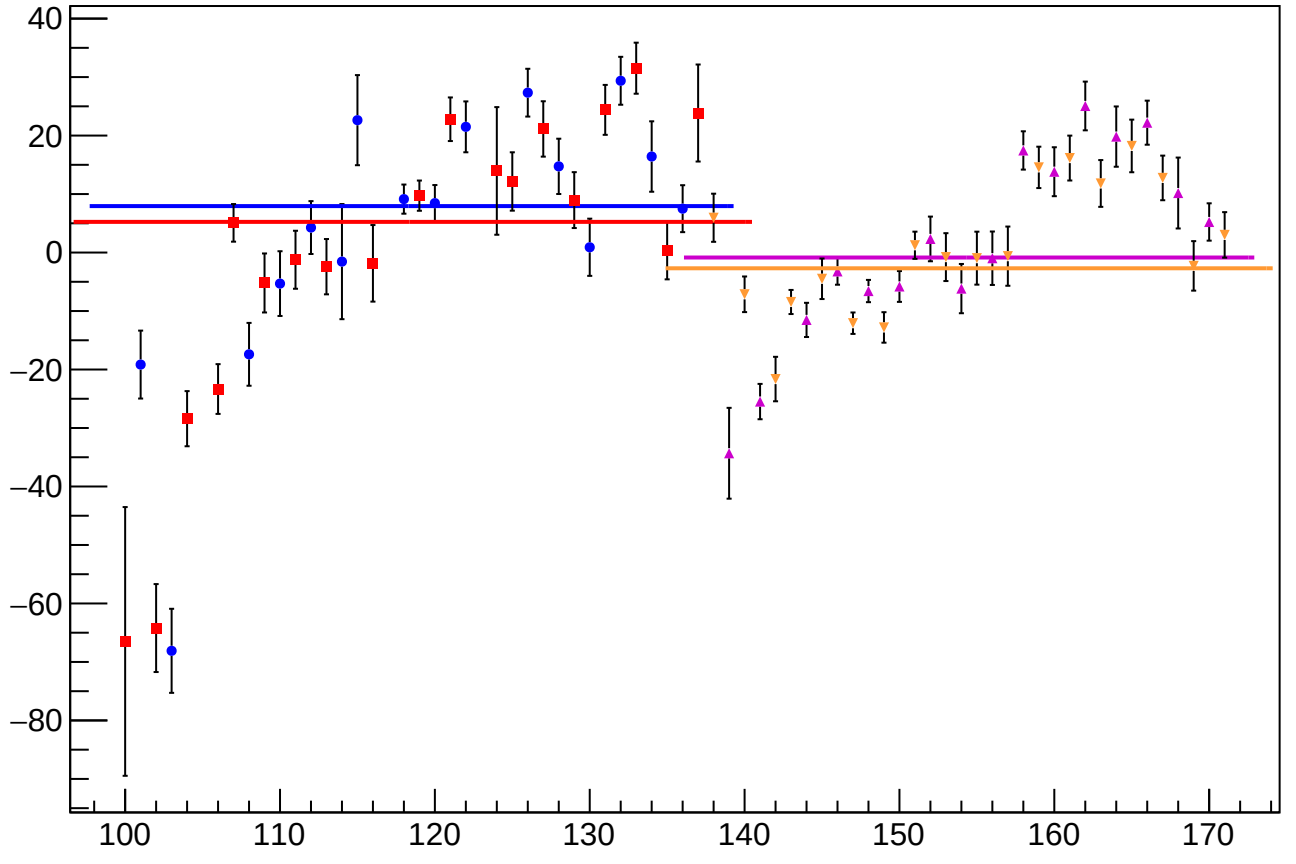
Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

+ sign 193.769+/-0.776 χ^2/NDF: 3310.6/33

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

- sign 192.636+/-0.780 χ^2/NDF: 3397.3/34



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

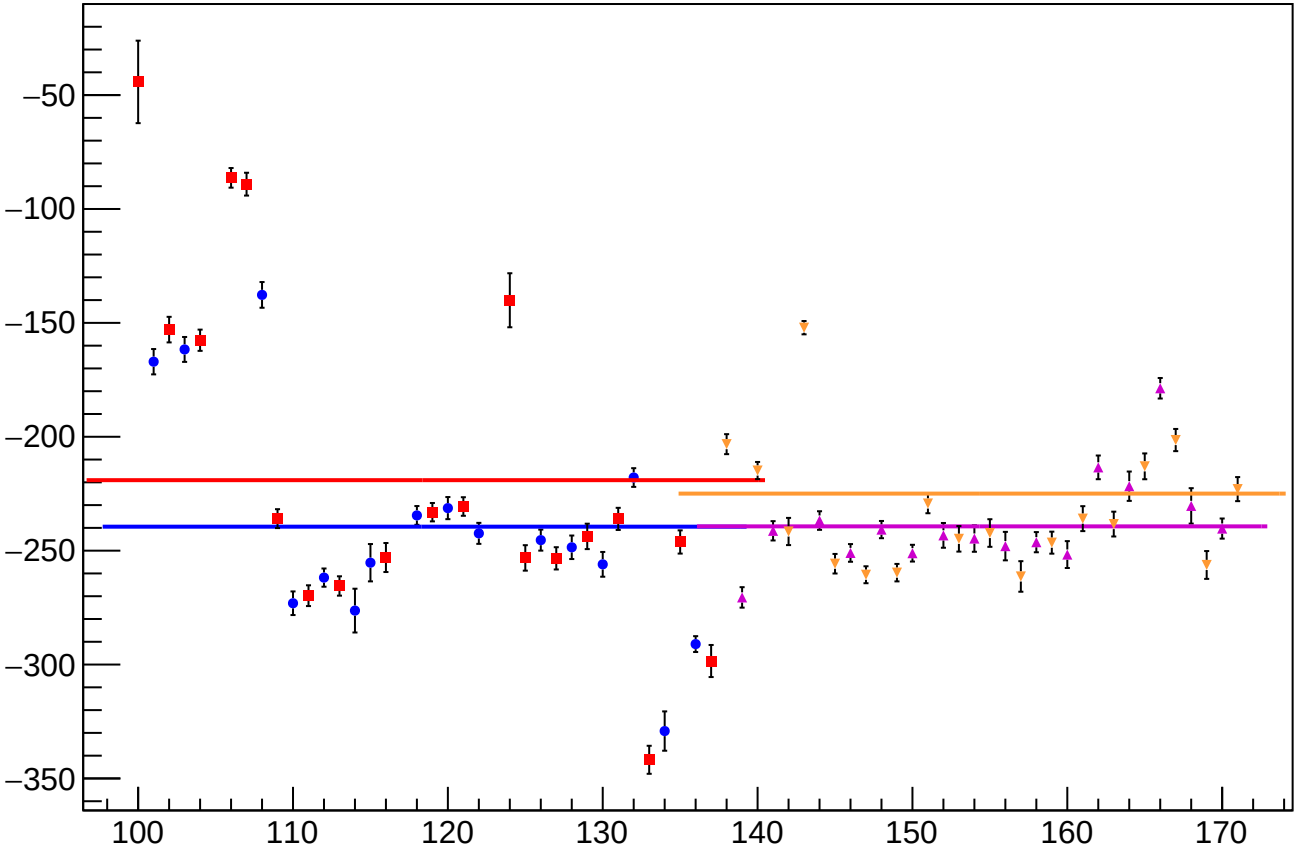
Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

+ sign 0.621+/-0.621 χ^2/NDF: 481.1/33

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68

- sign 1.443+/-0.652 χ^2/NDF: 580.5/34

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: -224.951+/-1.089 χ^2/NDF:1021.0/17

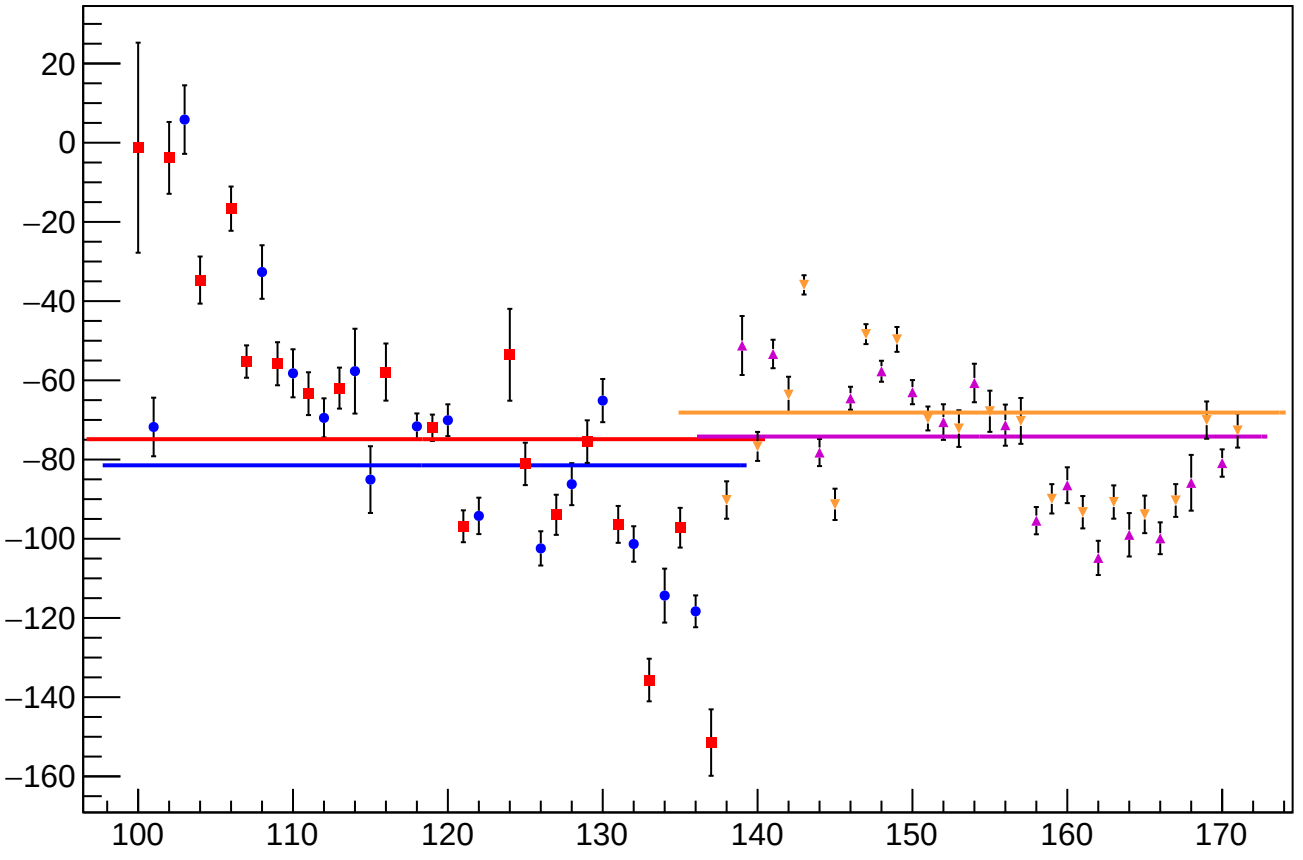
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

+ sign -231.238+/-0.820 χ^2/NDF: 2260.3/33

All: -230.229+/-0.584 χ^2/NDF: 5754.2/68

- sign -229.190+/-0.832 χ^2/NDF: 3490.8/34



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -68.136+/-0.886 χ^2/NDF:496.4/17

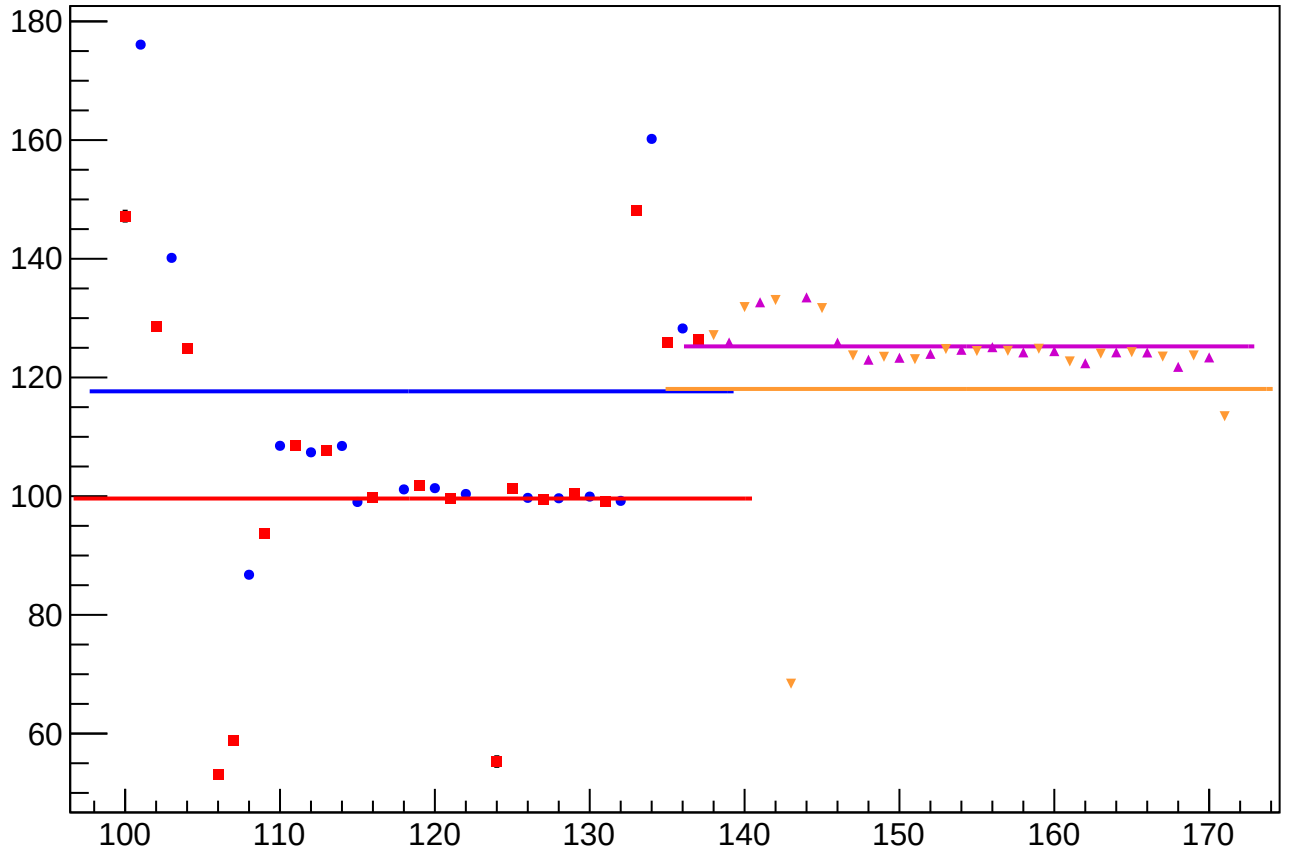
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

+ sign -72.421+/-0.730 χ^2/NDF: 935.6/33

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68

- sign -74.449+/-0.761 χ^2/NDF: 856.8/34



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.068+/-0.042 χ^2/NDF:198758.7/17

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

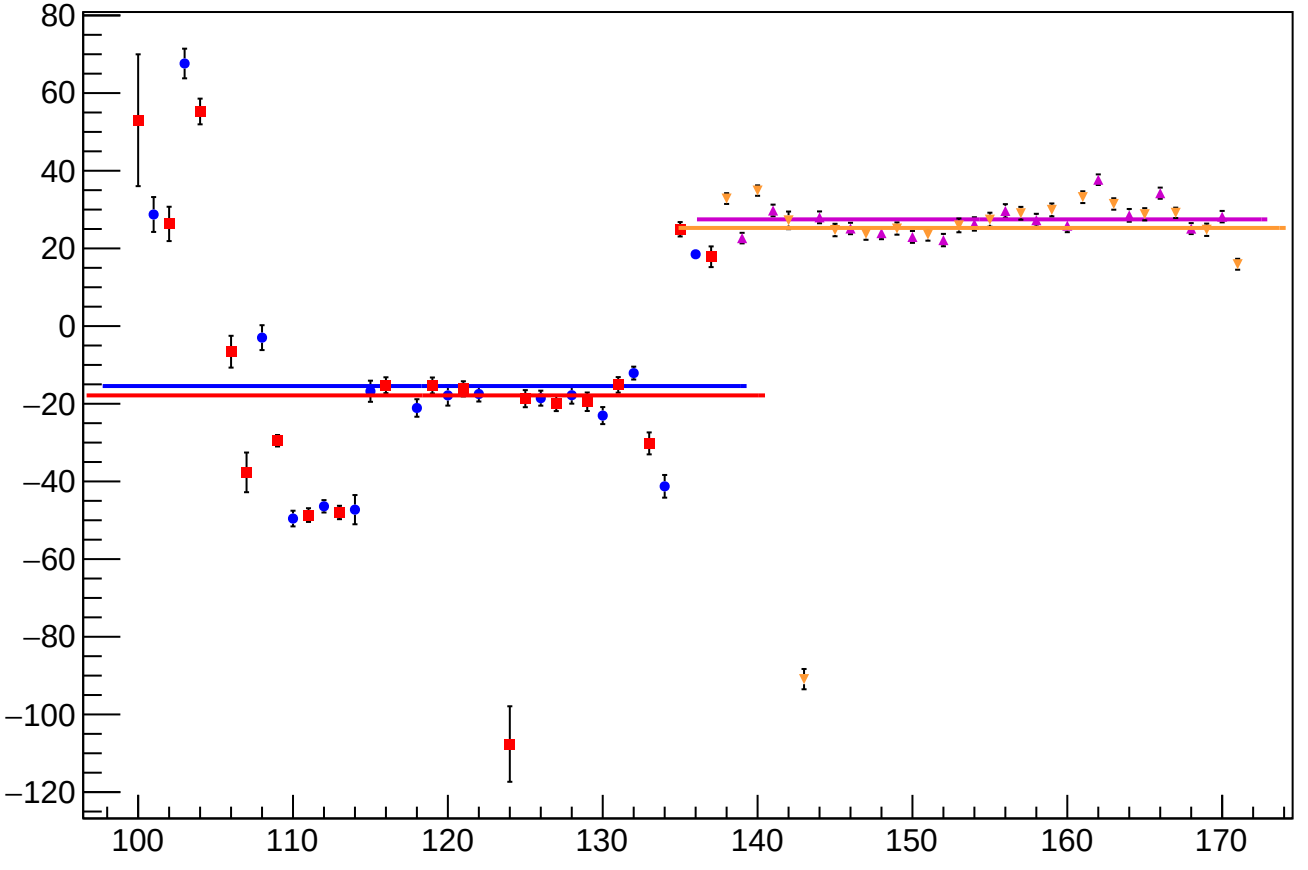
Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

+ sign 117.978+/-0.037 χ^2/NDF: 294176.4/33

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68

- sign 117.821+/-0.038 χ^2/NDF: 265689.7/34

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.274+/-0.374 χ^2/NDF:2179.2/17

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

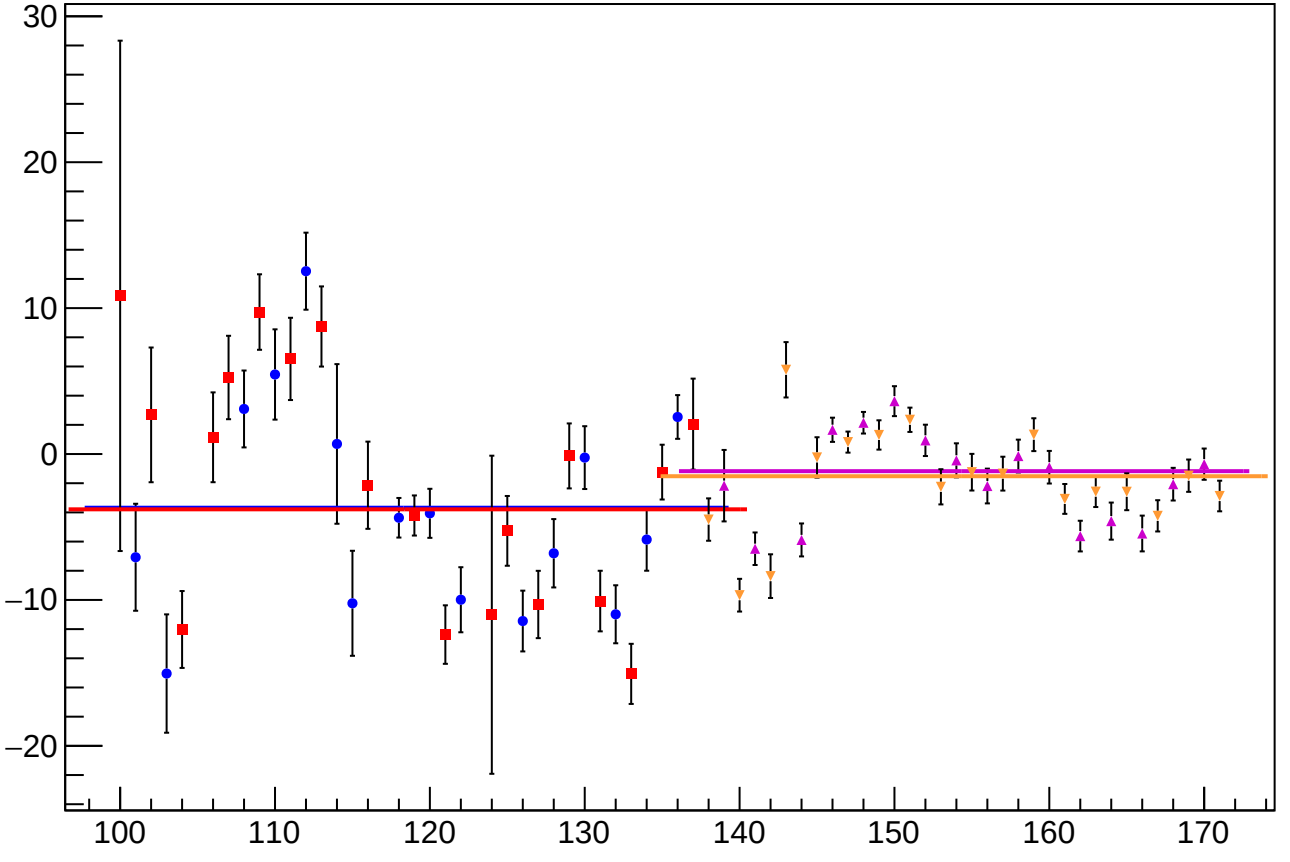
Left In: 27.481+/-0.382 χ^2/NDF:127.3/15

+ sign 12.024+/-0.308 χ^2/NDF: 8151.1/33

All: 11.984+/-0.218 χ^2/NDF: 15217.8/68

- sign 11.944+/-0.310 χ^2/NDF: 7066.7/34

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: -1.521+/-0.260 χ^2/NDF:152.6/17

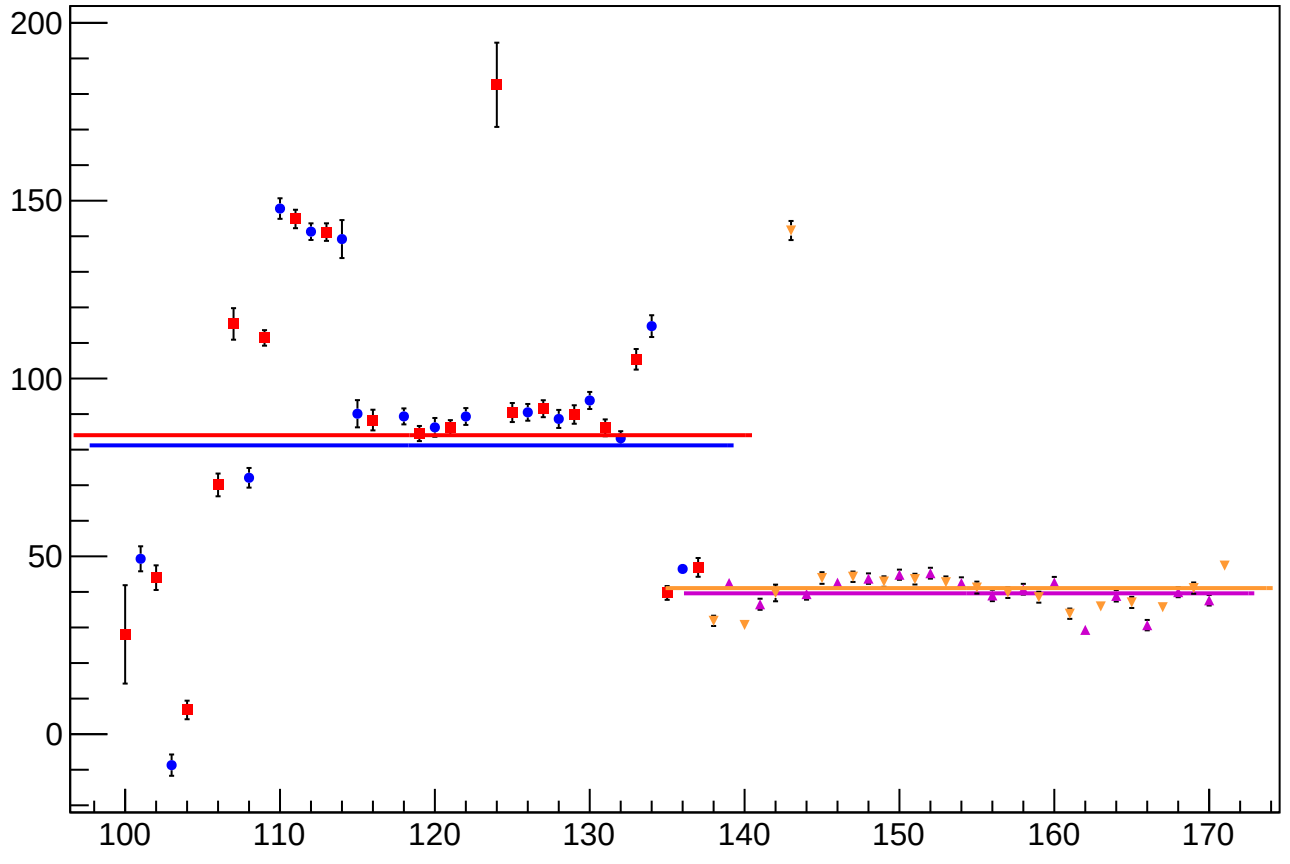
Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.174+/-0.270 χ^2/NDF:138.0/15

+ sign -1.913+/-0.235 χ^2/NDF: 289.1/33

All: -1.791+/-0.169 χ^2/NDF: 606.4/68

- sign -1.662+/-0.243 χ^2/NDF: 316.8/34



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.072+/-0.366 χ^2/NDF:1594.5/17

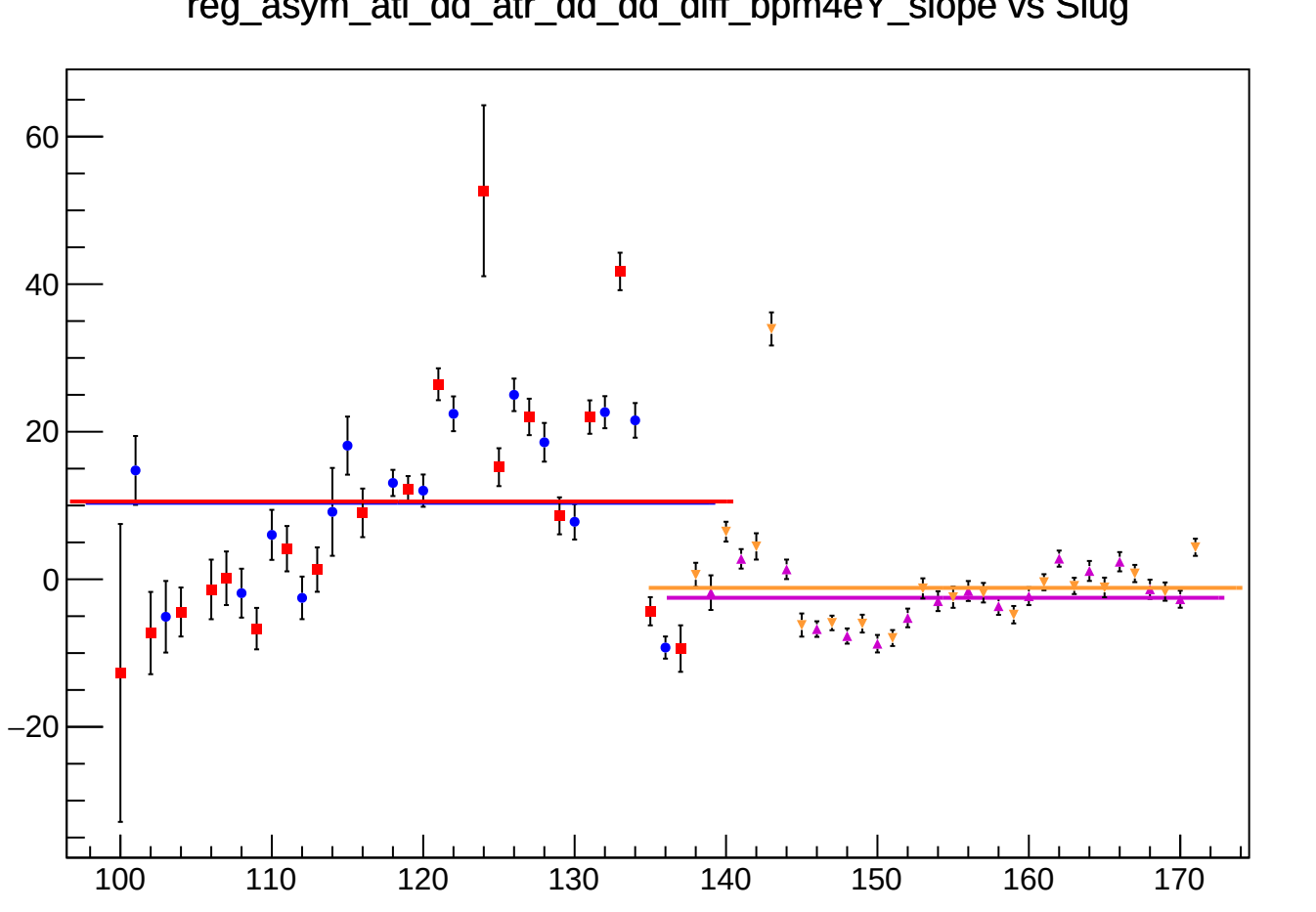
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

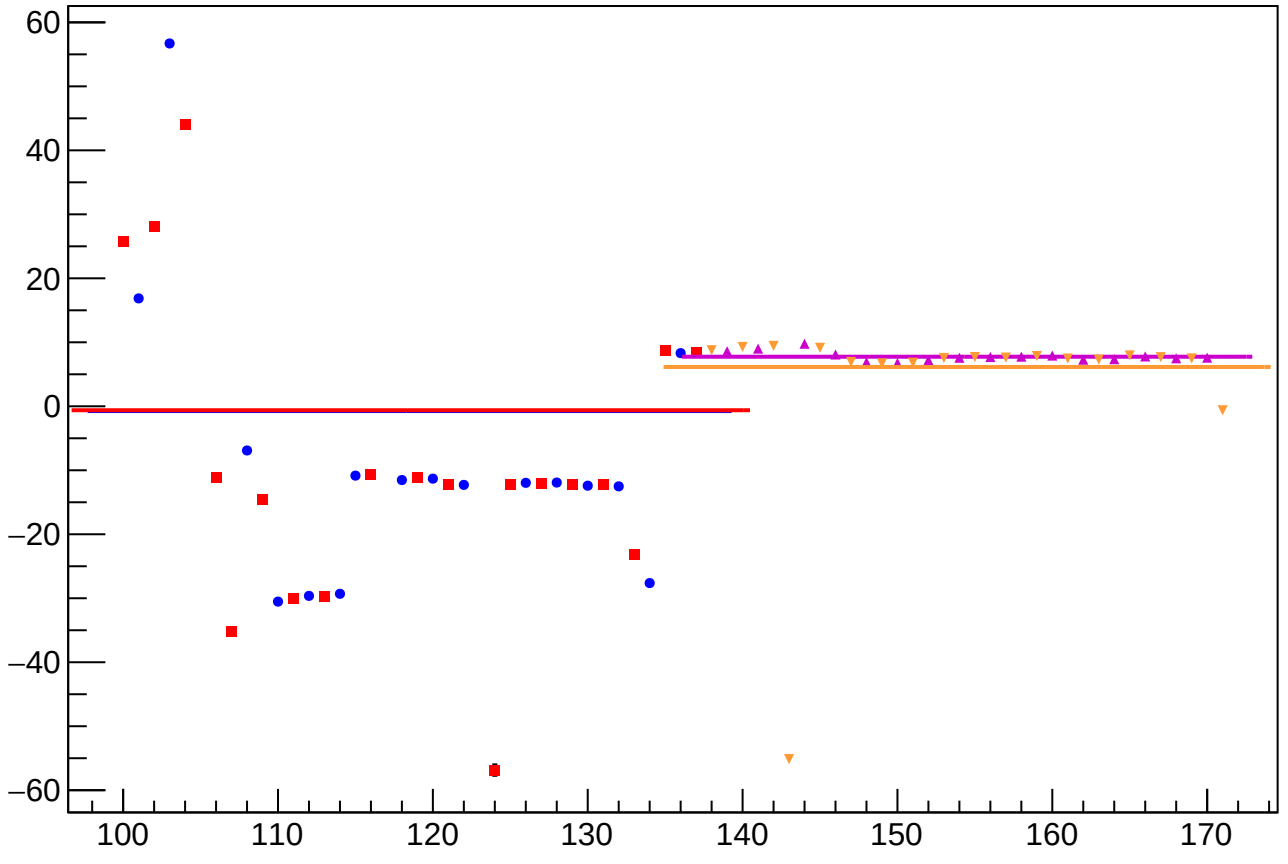
Left In: 39.603+/-0.372 χ^2/NDF:156.5/15

+ sign 51.768+/-0.313 χ^2/NDF: 8030.4/33

All: 51.633+/-0.223 χ^2/NDF: 15206.9/68

- sign 51.494+/-0.319 χ^2/NDF: 7176.1/34


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.162+/-0.300 χ²/NDF:414.0/17
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.508+/-0.311 χ²/NDF:145.4/15
+ sign 0.994+/-0.271 χ²/NDF: 1049.1/33
All: 0.507+/-0.195 χ²/NDF: 2007.8/68
- sign -0.012+/-0.280 χ²/NDF: 952.0/34



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.144+/-0.014 χ^2/NDF:336472.5/17

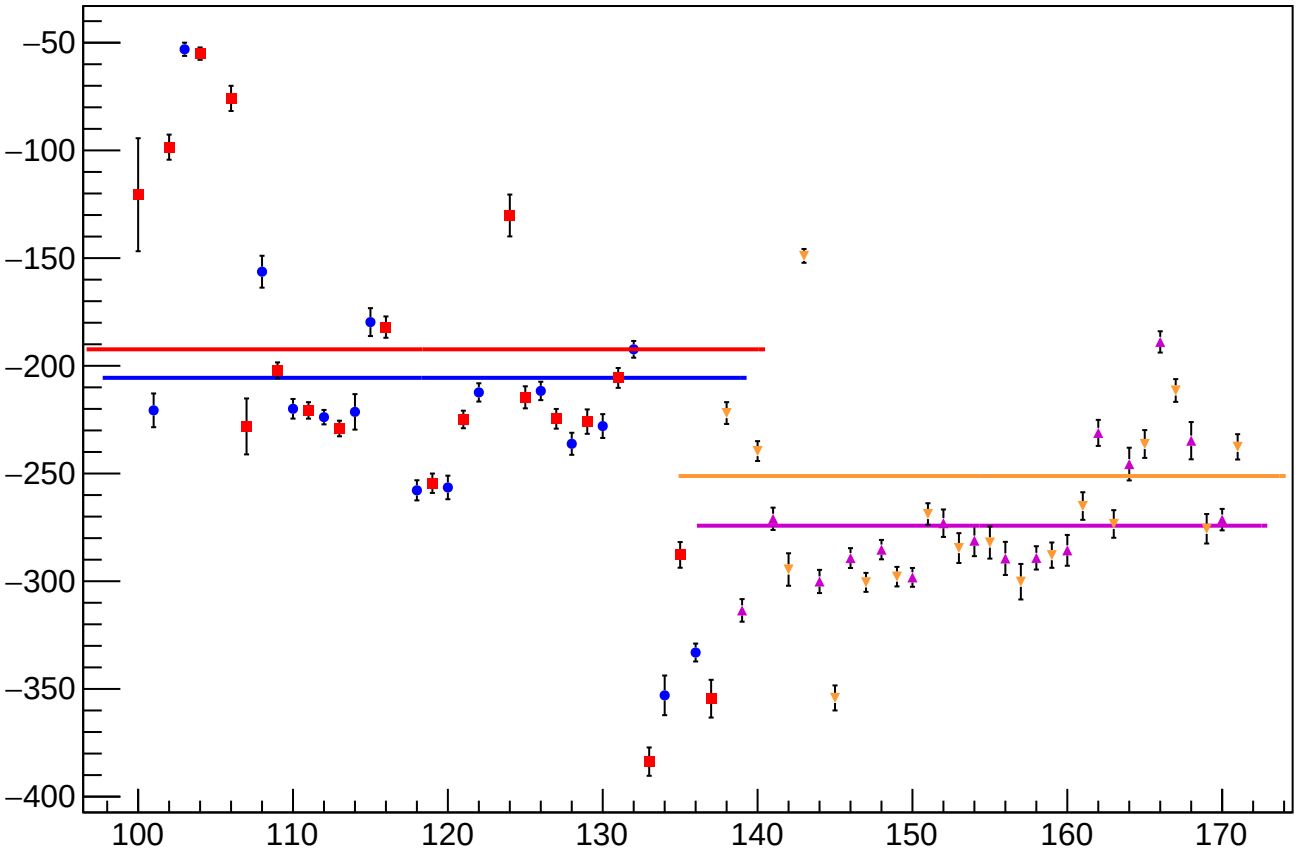
Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.746+/-0.014 χ^2/NDF:2330.1/15

+ sign 5.280+/-0.013 χ^2/NDF: 736708.8/33

All: 5.992+/-0.009 χ^2/NDF: 1106084.5/68

- sign 6.735+/-0.013 χ^2/NDF: 362955.2/34



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.168+/-1.278 χ^2/NDF:1858.2/17

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

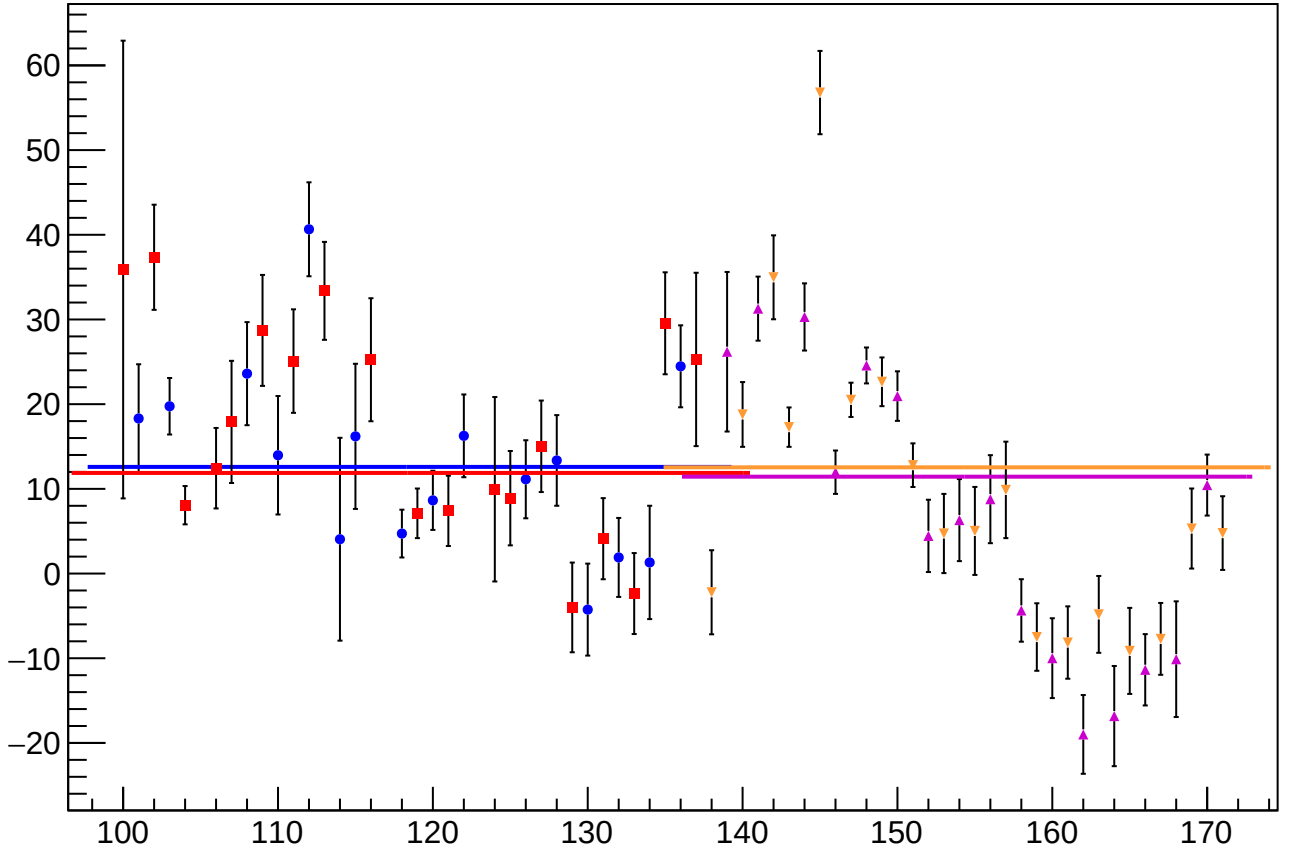
Left In: -274.220+/-1.400 χ^2/NDF:525.8/15

+ sign -226.645+/-0.869 χ^2/NDF: 6598.6/33

All: -225.530+/-0.617 χ^2/NDF: 14180.2/68

- sign -224.397+/-0.876 χ^2/NDF: 7578.3/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 12.544+/-0.856 χ^2/NDF:260.0/17

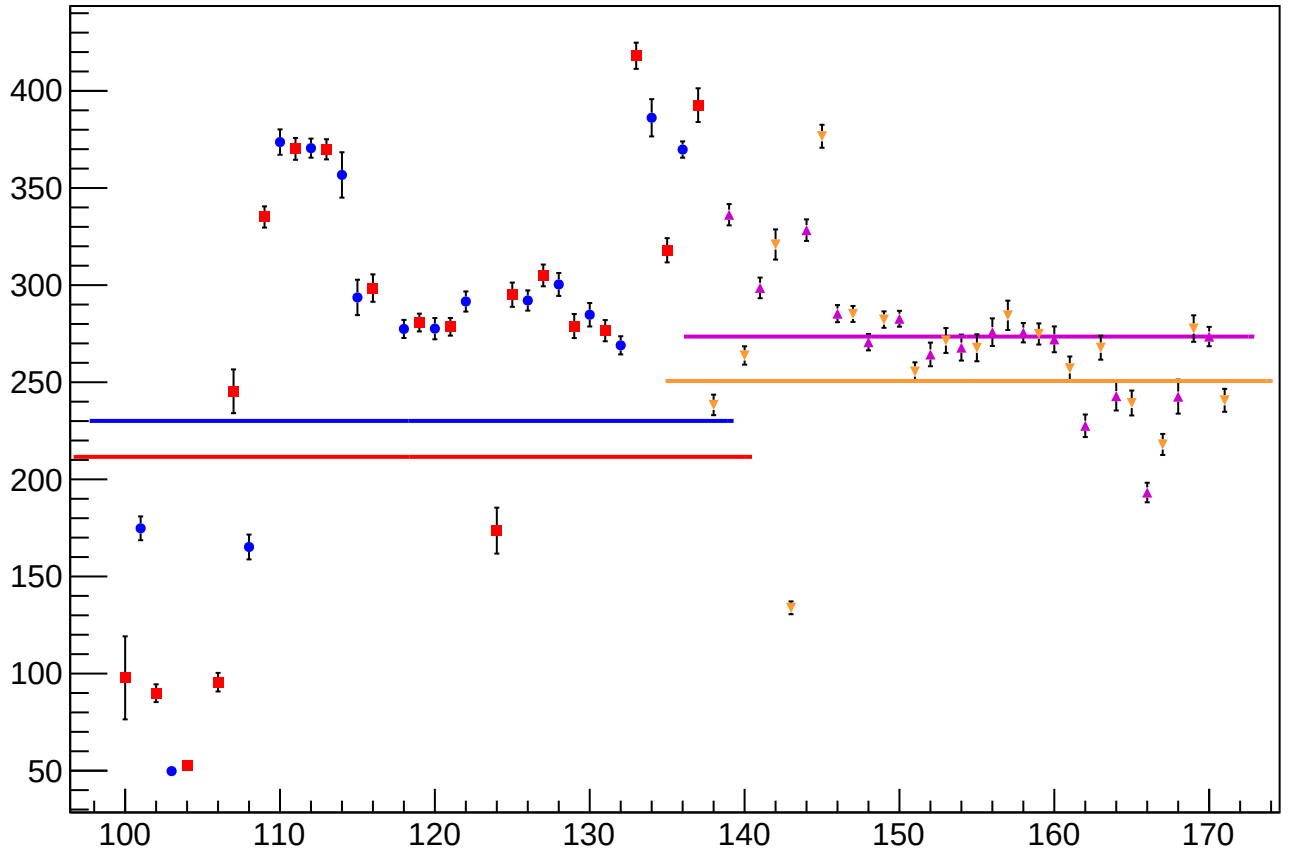
Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.438+/-0.945 χ^2/NDF:249.6/15

+ sign 12.560+/-0.698 χ^2/NDF: 328.5/33

All: 12.107+/-0.502 χ^2/NDF: 664.0/68

- sign 11.622+/-0.723 χ^2/NDF: 334.7/34



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 250.646+/-1.255 χ^2/NDF:2051.5/17

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

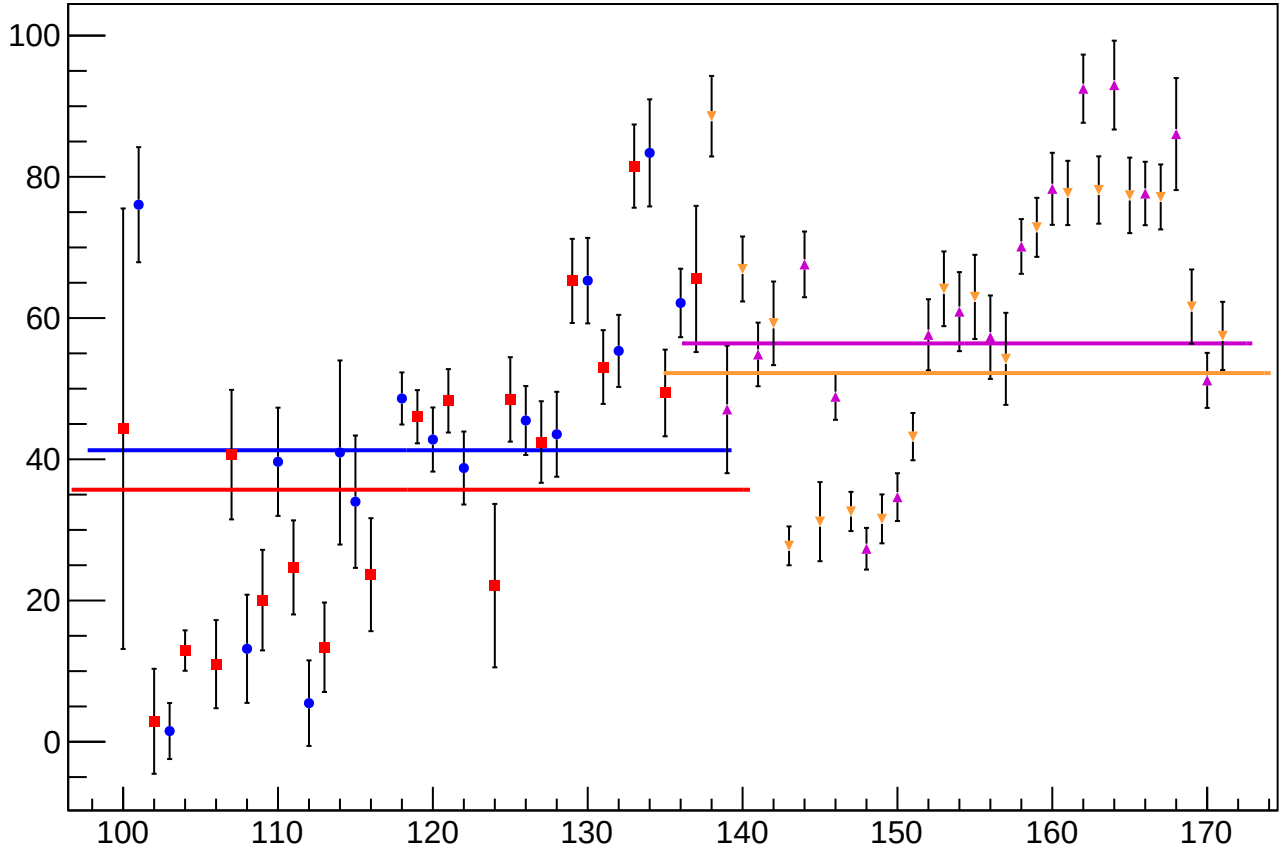
Left In: 273.508+/-1.359 χ^2/NDF:613.6/15

+ sign 240.408+/-0.889 χ^2/NDF: 11560.8/33

All: 239.516+/-0.632 χ^2/NDF: 24819.5/68

- sign 238.607+/-0.897 χ^2/NDF: 13256.7/34

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 52.209+/-1.015 χ^2/NDF:388.0/17

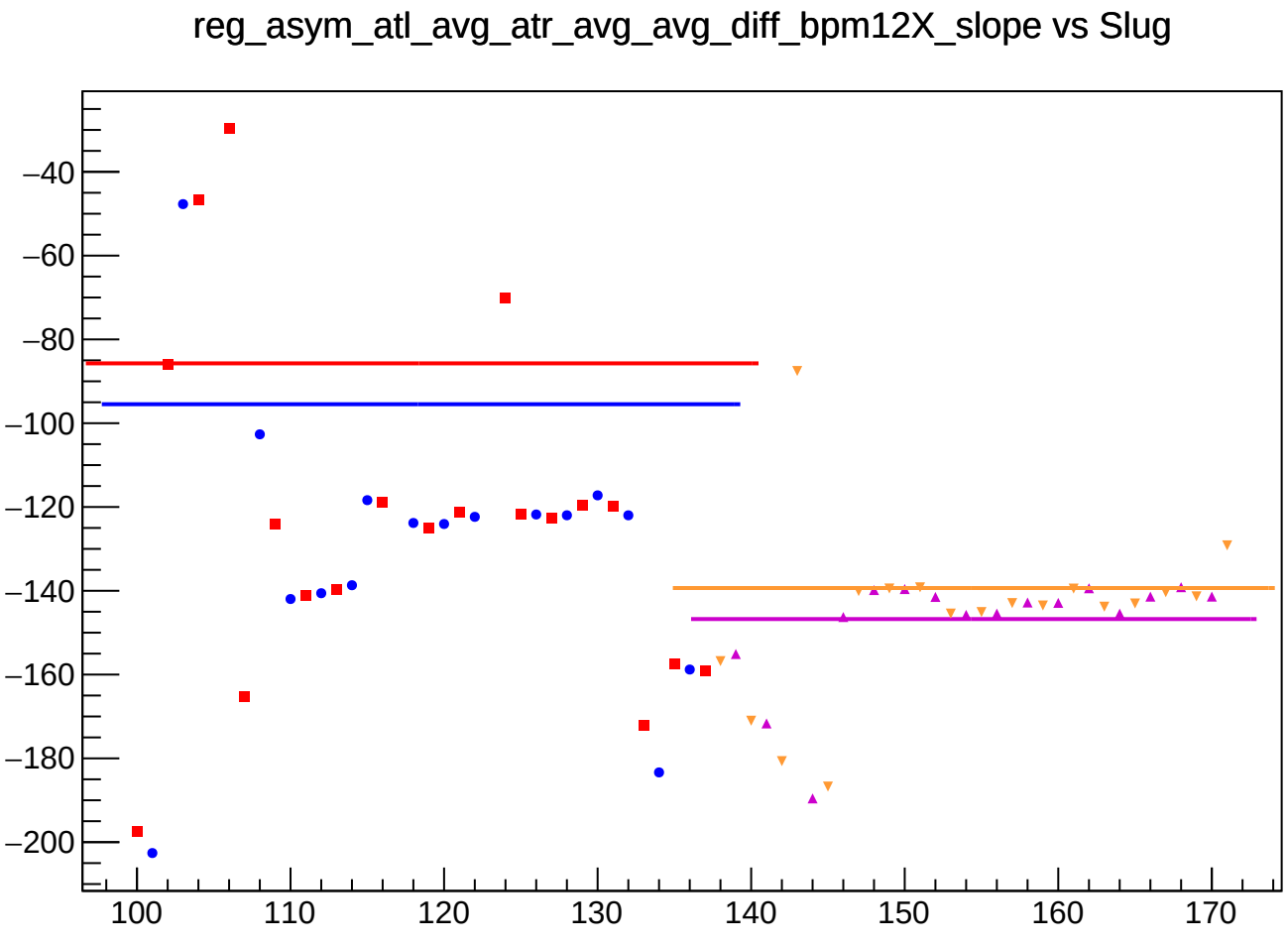
Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.411+/-1.113 χ^2/NDF:310.2/15

+ sign 48.437+/-0.821 χ^2/NDF: 673.8/33

All: 48.121+/-0.590 χ^2/NDF: 1381.9/68

- sign 47.783+/-0.850 χ^2/NDF: 707.8/34



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.344+/-0.048 χ^2/NDF:234321.4/17

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

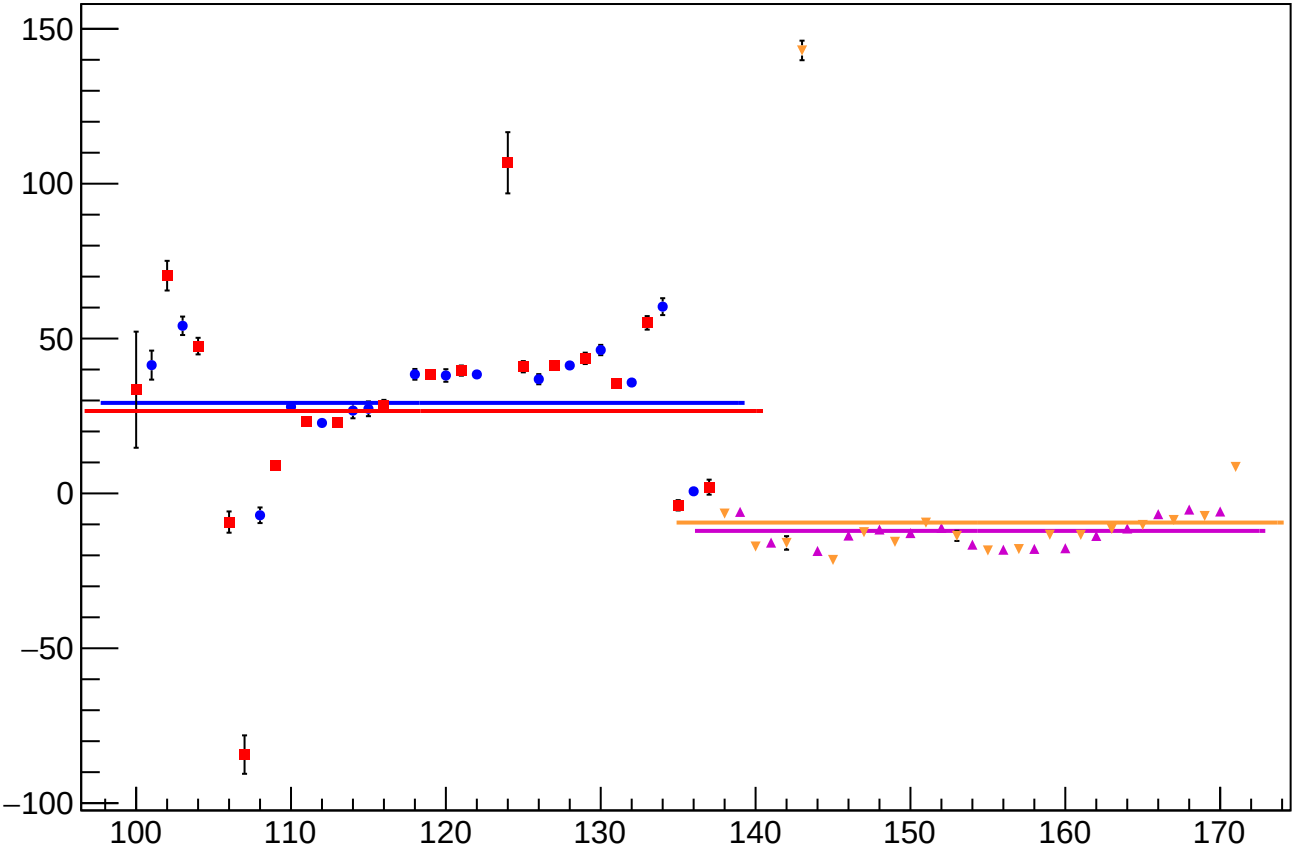
Left In: -146.748+/-0.052 χ^2/NDF:52957.0/15

+ sign -124.976+/-0.040 χ^2/NDF: 1022685.2/33

All: -124.502+/-0.028 χ^2/NDF: 2079833.5/68

- sign -124.001+/-0.041 χ^2/NDF: 1056855.6/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -9.410+/-0.351 χ^2/NDF:2741.9/17

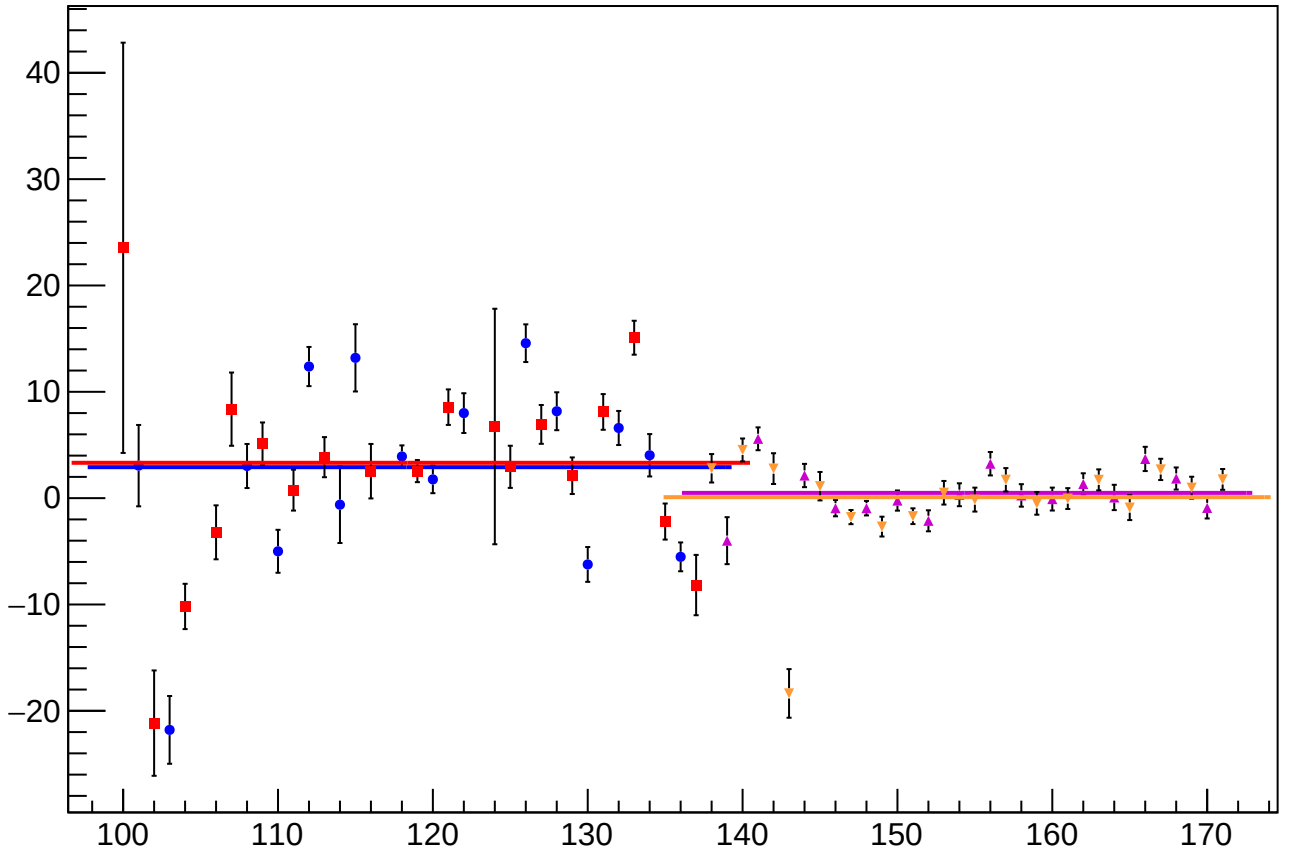
Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.101+/-0.357 χ^2/NDF:167.6/15

+ sign 6.272+/-0.270 χ^2/NDF: 9012.5/33

All: 5.339+/-0.191 χ^2/NDF: 16137.4/68

- sign 4.404+/-0.270 χ^2/NDF: 7101.1/34



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.092+/-0.243 χ^2/NDF:129.4/17

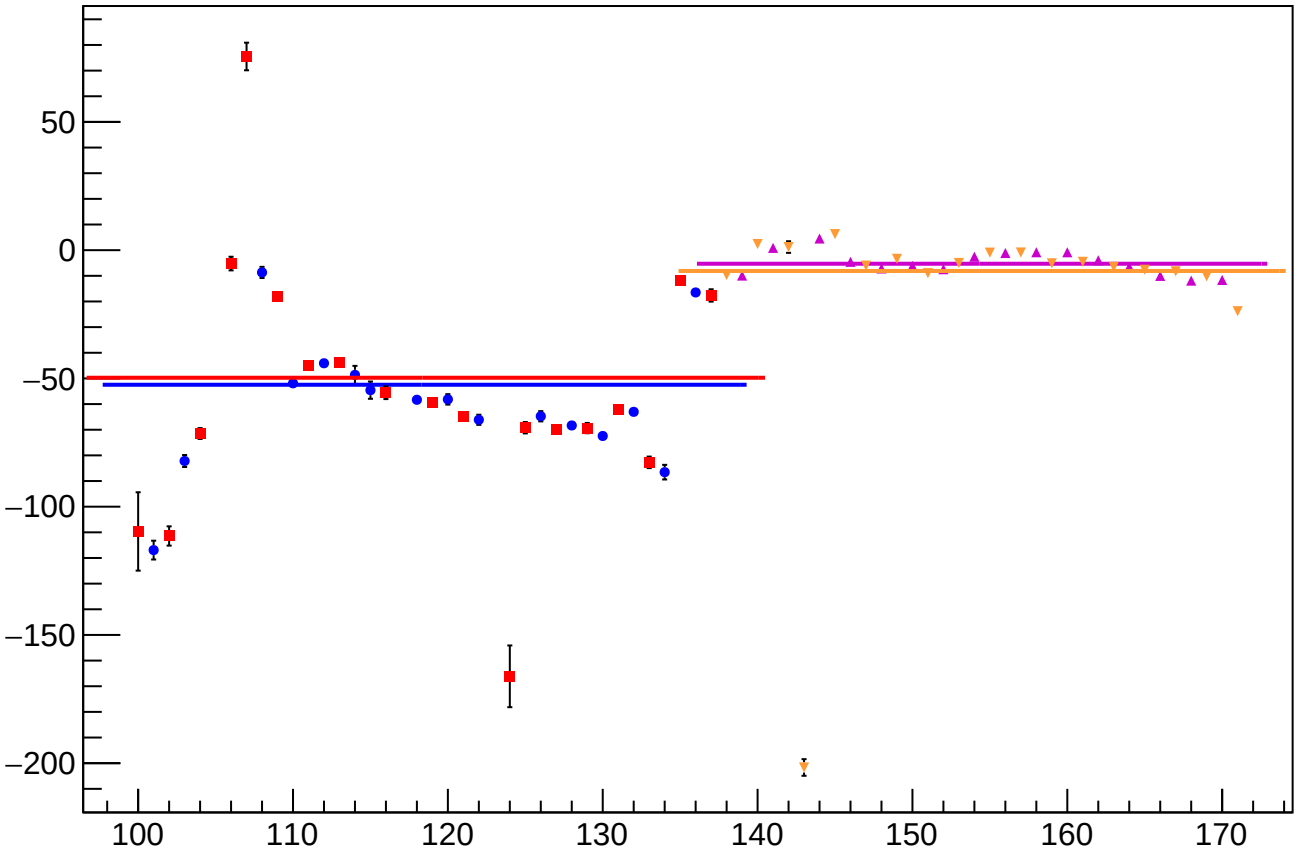
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.496+/-0.252 χ^2/NDF:63.3/15

+ sign 0.745+/-0.213 χ^2/NDF: 410.6/33

All: 0.947+/-0.153 χ^2/NDF: 687.3/68

- sign 1.164+/-0.220 χ^2/NDF: 274.9/34



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.113+/-0.342 χ^2/NDF:3946.1/17

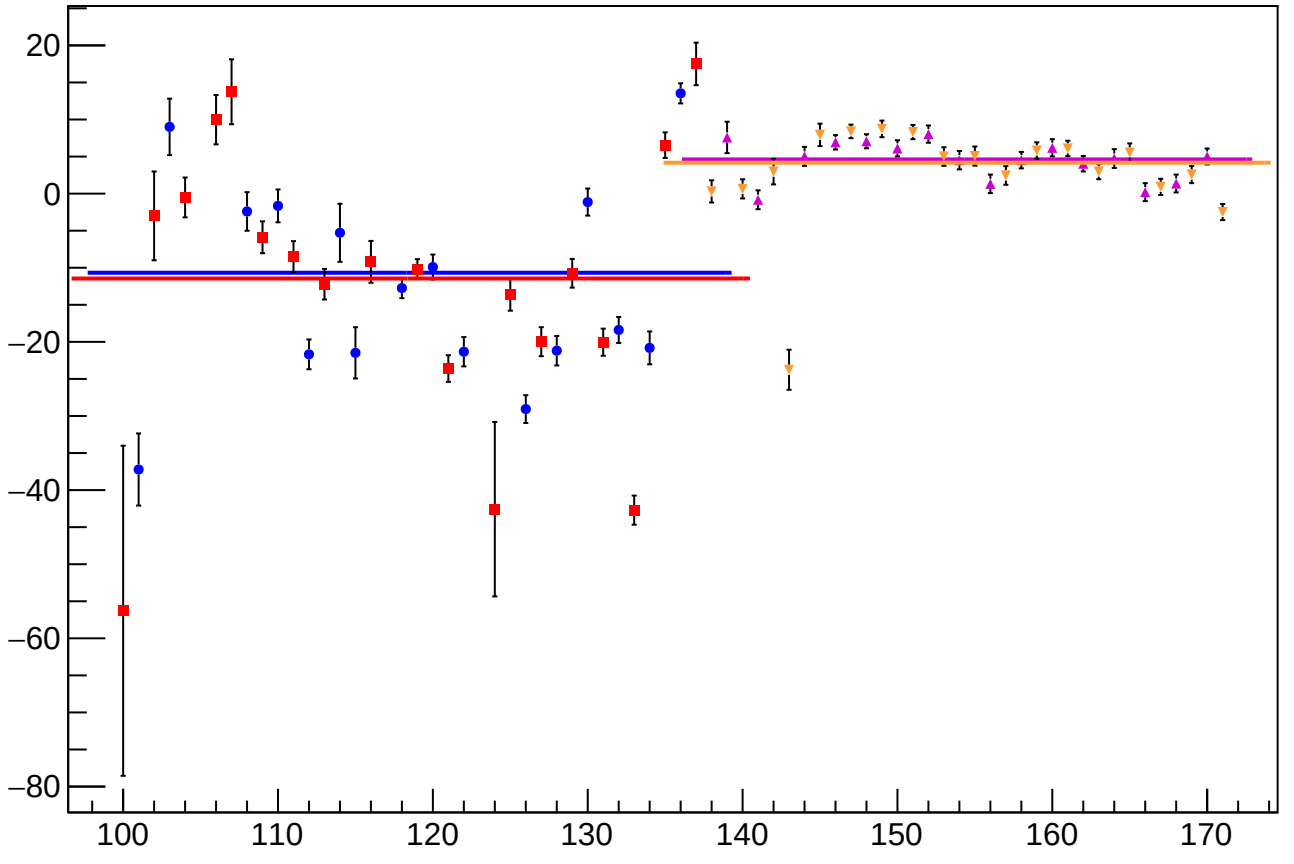
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.290+/-0.348 χ^2/NDF:166.4/15

+ sign -22.755+/-0.280 χ^2/NDF: 11815.1/33

All: -21.399+/-0.200 χ^2/NDF: 20452.3/68

- sign -20.004+/-0.284 χ^2/NDF: 8589.7/34



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.171+/-0.281 χ^2/NDF:243.5/17

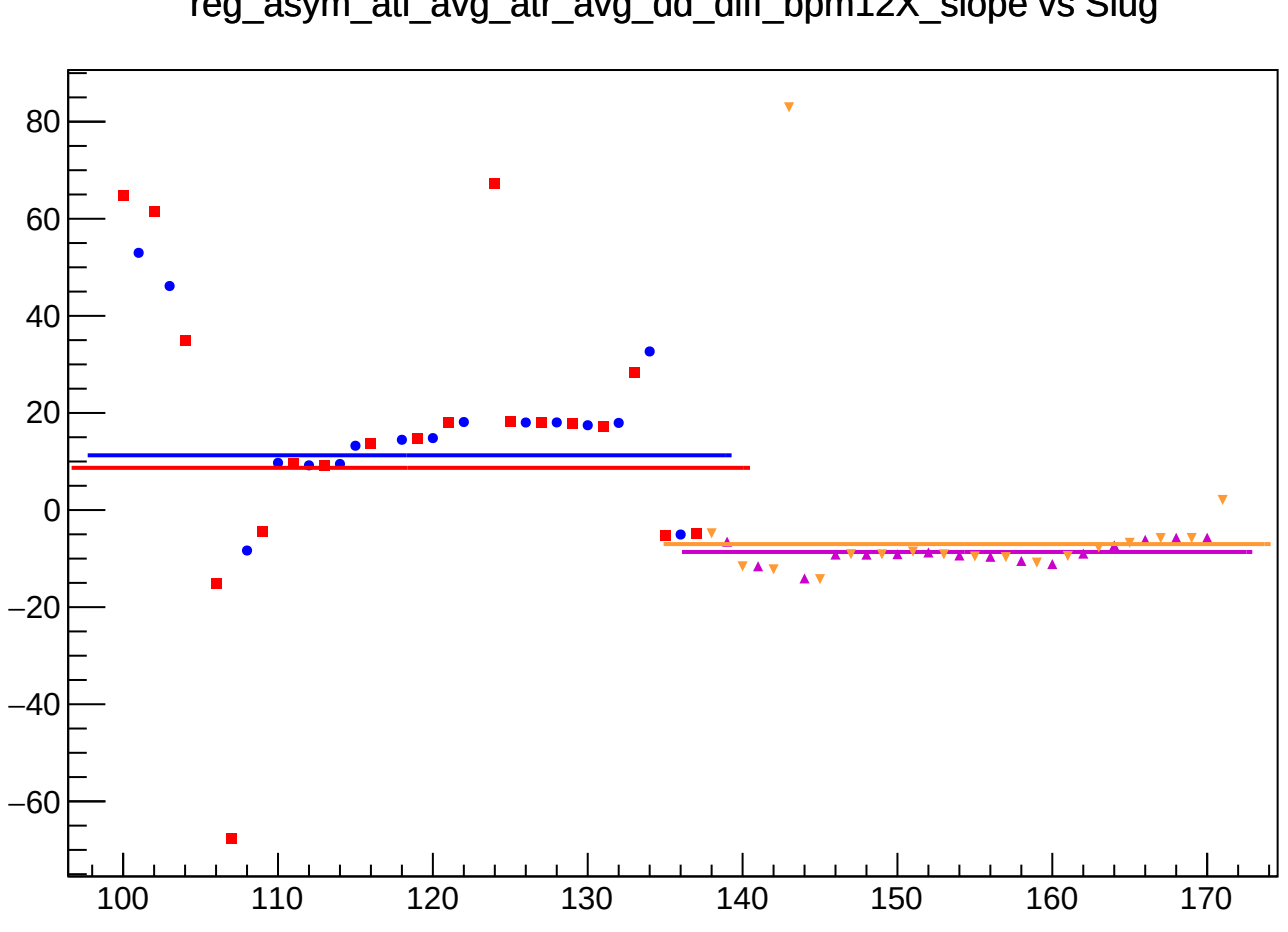
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.617+/-0.291 χ^2/NDF:72.8/15

+ sign 0.665+/-0.246 χ^2/NDF: 1568.8/33

All: 0.700+/-0.176 χ^2/NDF: 3042.7/68

- sign 0.738+/-0.254 χ^2/NDF: 1473.8/34



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.008+/-0.013 χ^2/NDF:531289.9/17

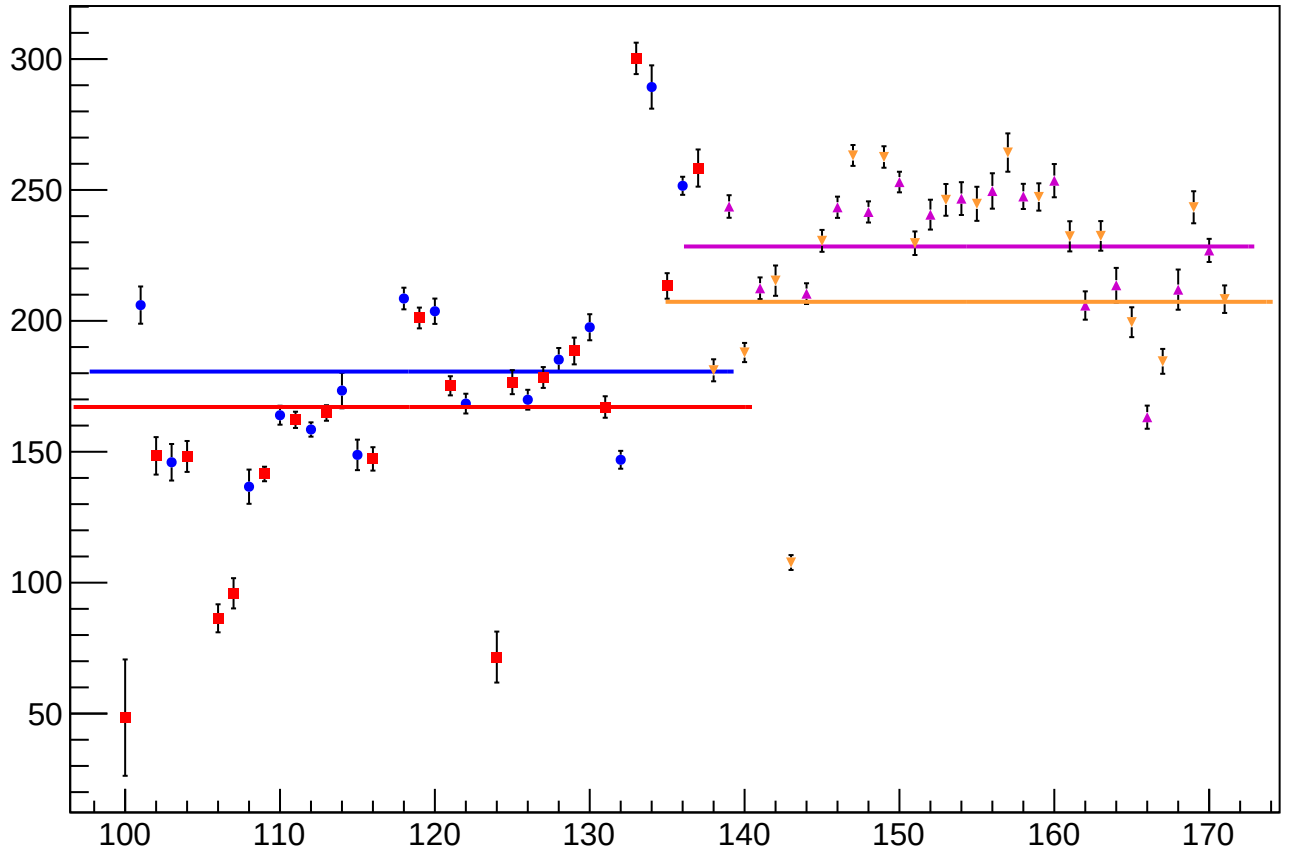
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.634+/-0.013 χ^2/NDF:26041.0/15

+ sign -4.221+/-0.012 χ^2/NDF: 1197145.1/33

All: -5.157+/-0.008 χ^2/NDF: 1932825.6/68

- sign -6.134+/-0.012 χ^2/NDF: 722566.3/34



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.276+/-1.105 χ^2/NDF:2022.5/17

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

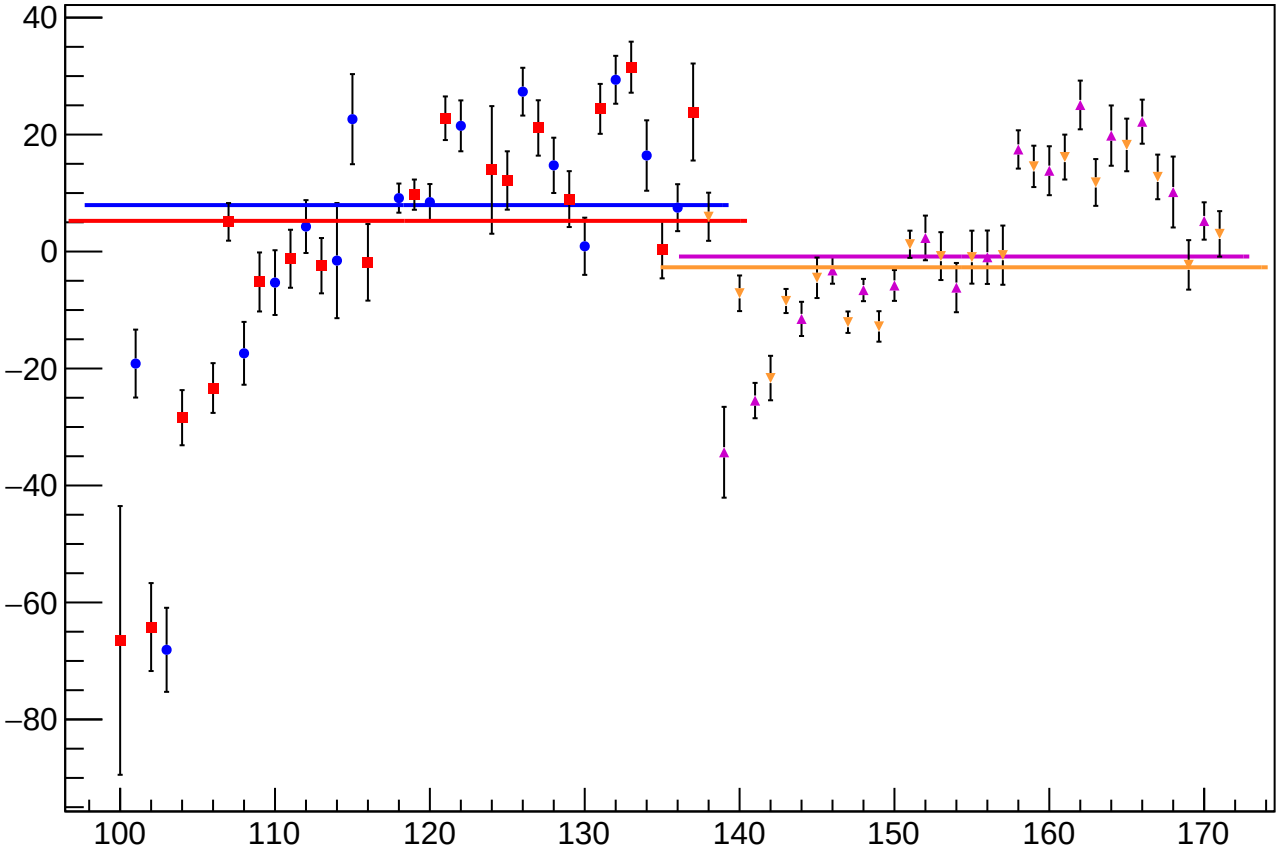
Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

\+ sign 193.769+/-0.776 χ^2/NDF: 3310.6/33

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

\- sign 192.636+/-0.780 χ^2/NDF: 3397.3/34

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

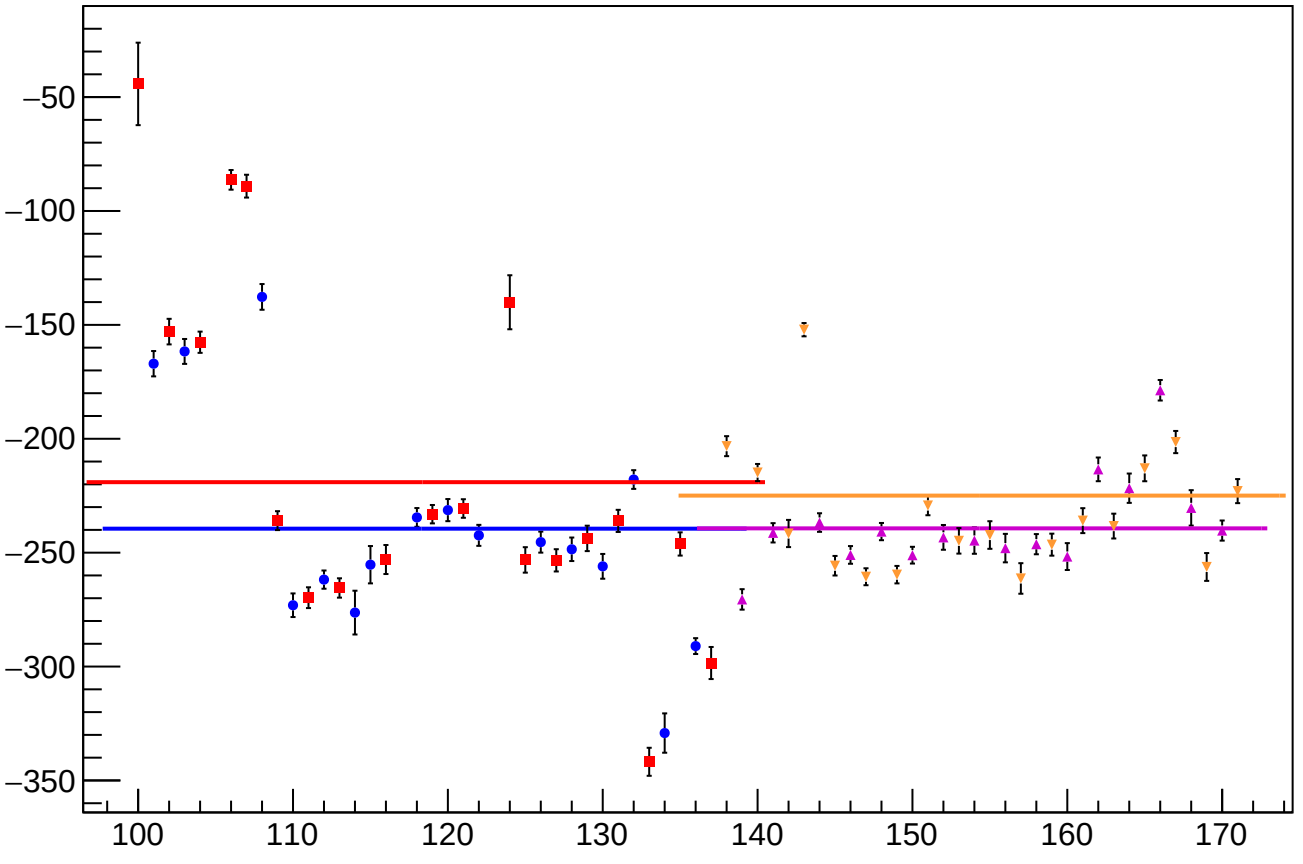
Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

+ sign 0.621+/-0.621 χ^2/NDF: 481.1/33

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68

- sign 1.443+/-0.652 χ^2/NDF: 580.5/34



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

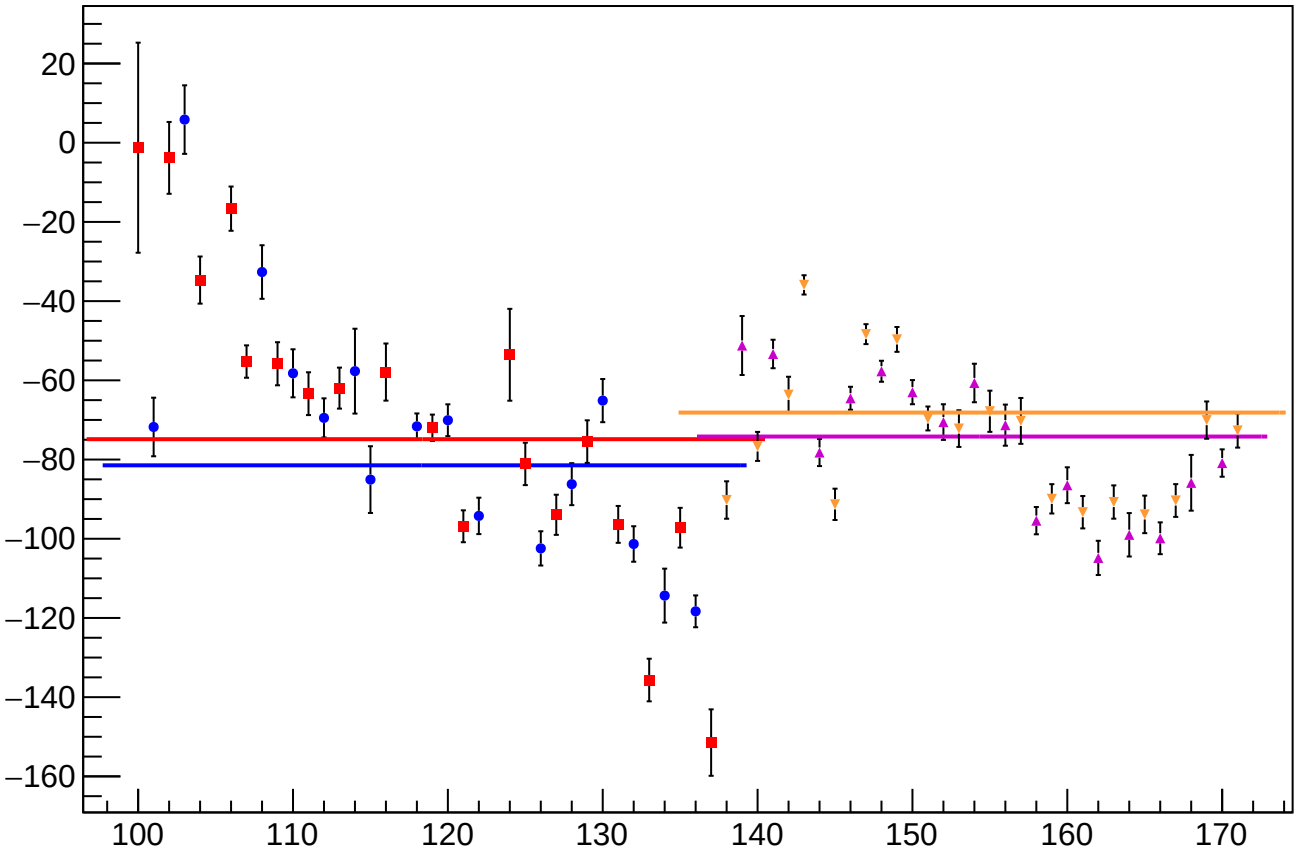
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

+ sign -231.238+/-0.820 χ^2/NDF: 2260.3/33

All: -230.229+/-0.584 χ^2/NDF: 5754.2/68

- sign -229.190+/-0.832 χ^2/NDF: 3490.8/34



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -68.136+/-0.886 χ^2/NDF:496.4/17

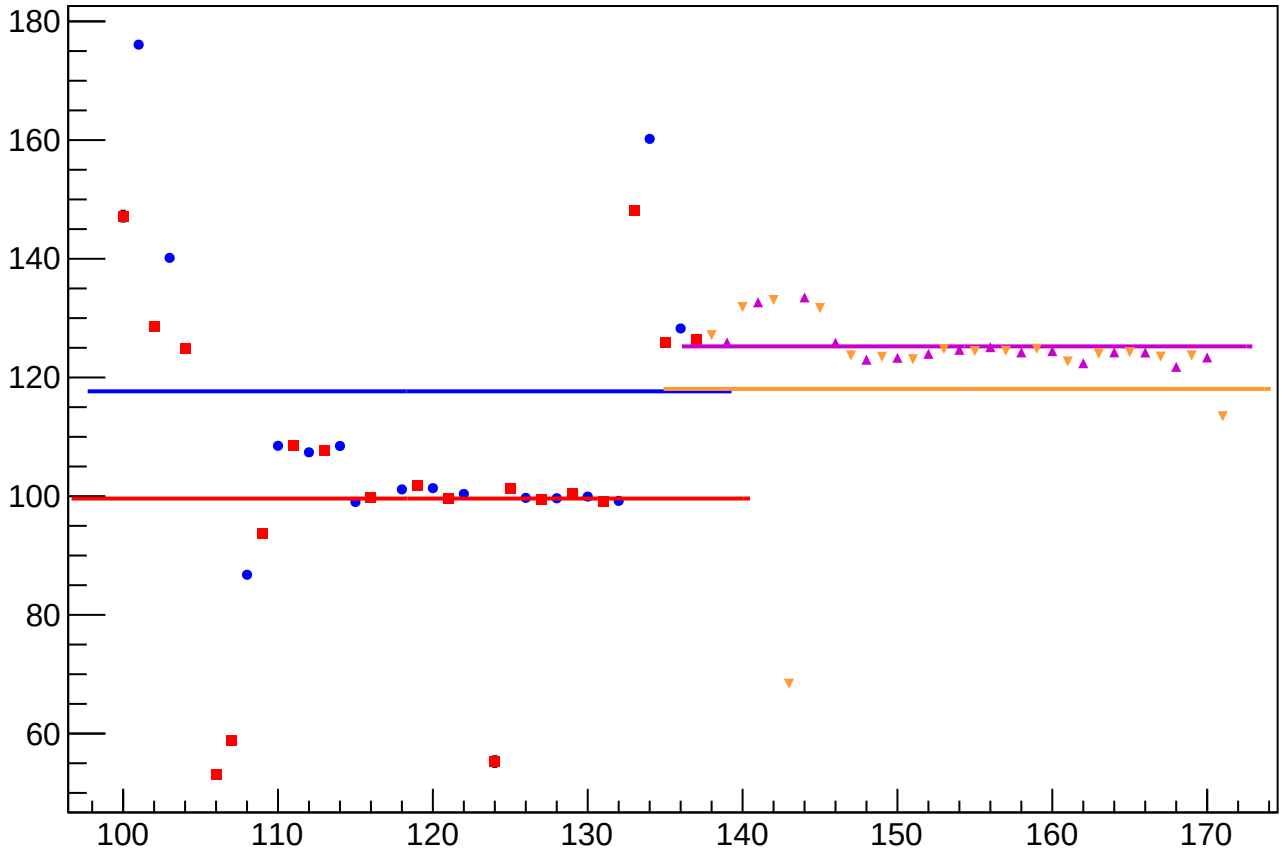
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

+ sign -72.421+/-0.730 χ^2/NDF: 935.6/33

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68

- sign -74.449+/-0.761 χ^2/NDF: 856.8/34



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.068+/-0.042 χ^2/NDF:198758.7/17

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

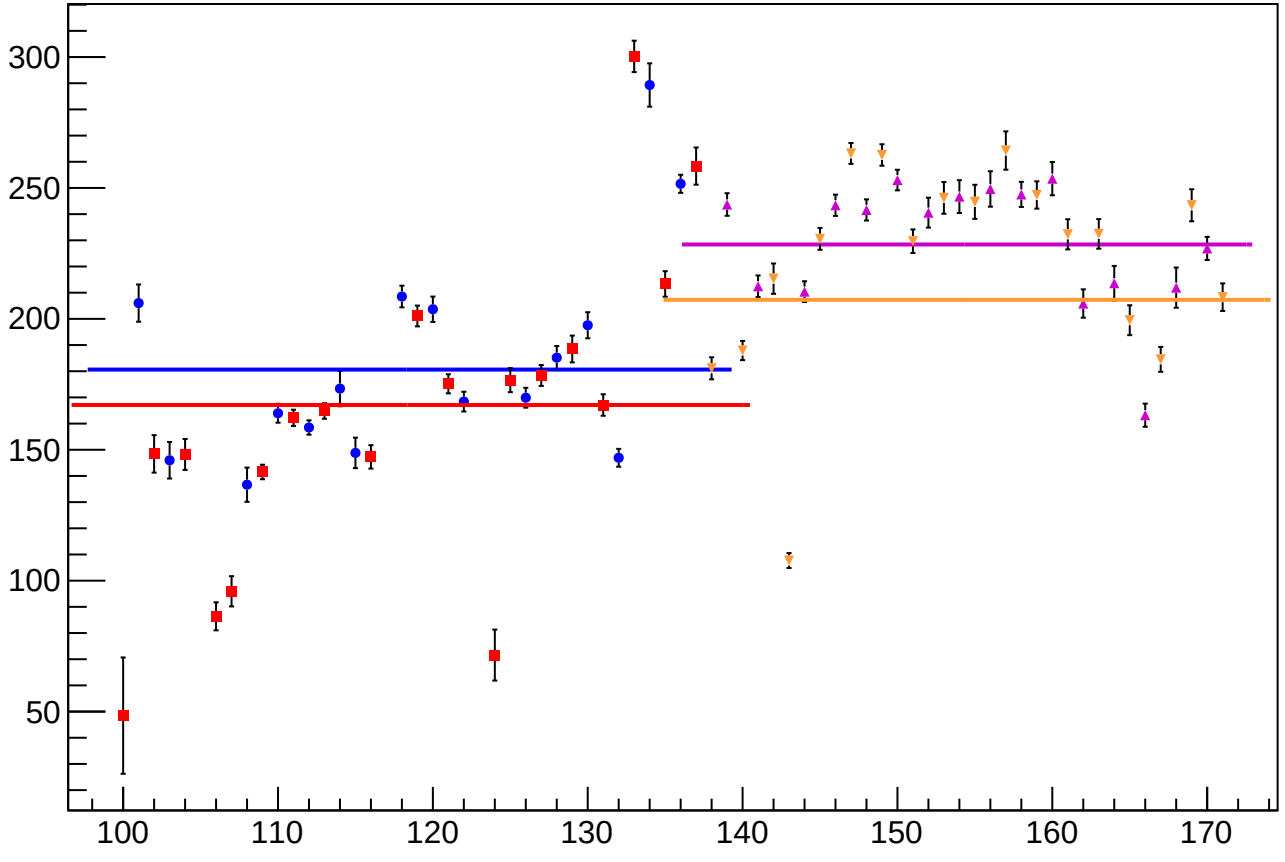
Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

+ sign 117.978+/-0.037 χ^2/NDF: 294176.4/33

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68

- sign 117.821+/-0.038 χ^2/NDF: 265689.7/34

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.276+/-1.105 χ^2/NDF:2022.5/17

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

+ sign 193.769+/-0.776 χ^2/NDF: 3310.6/33

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

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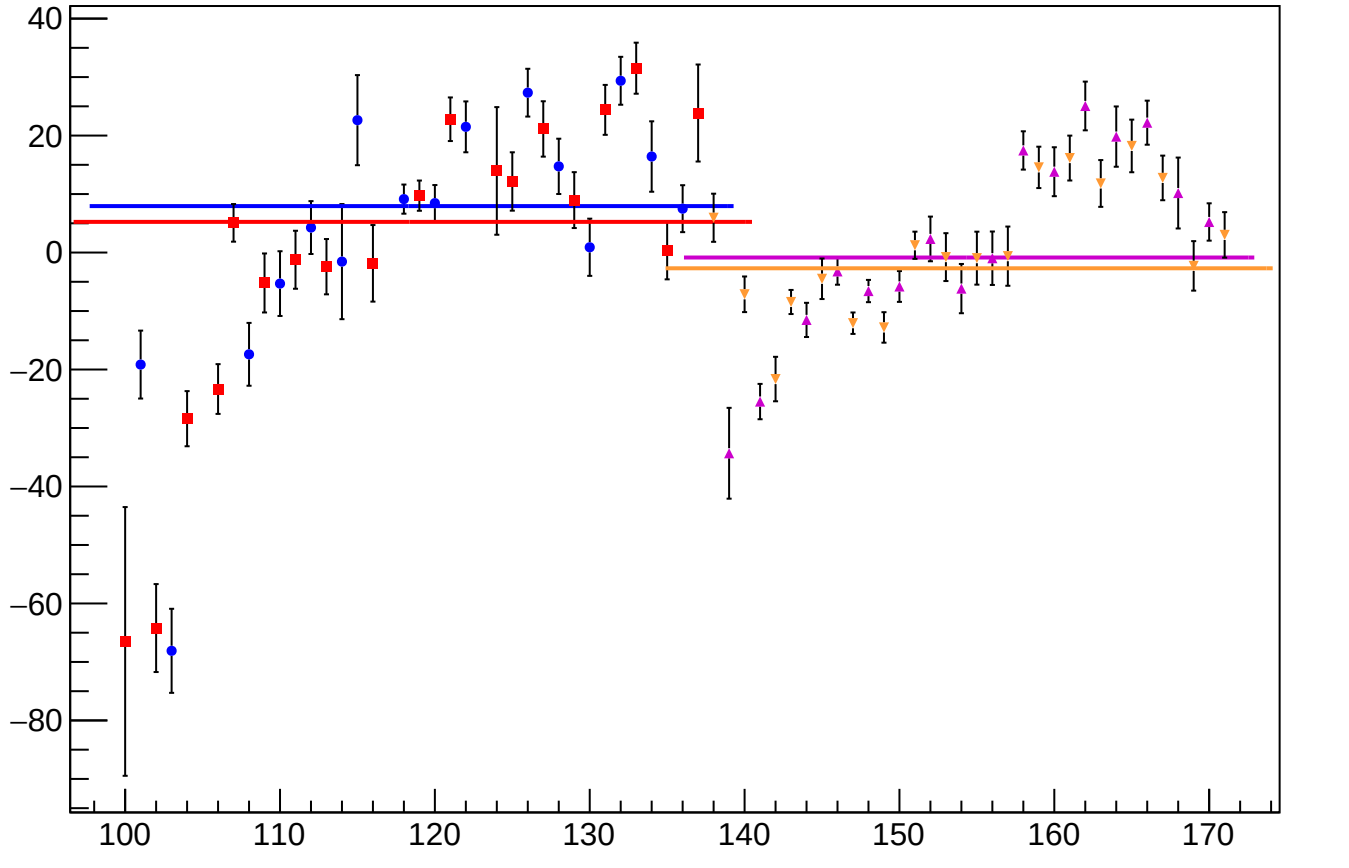


Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

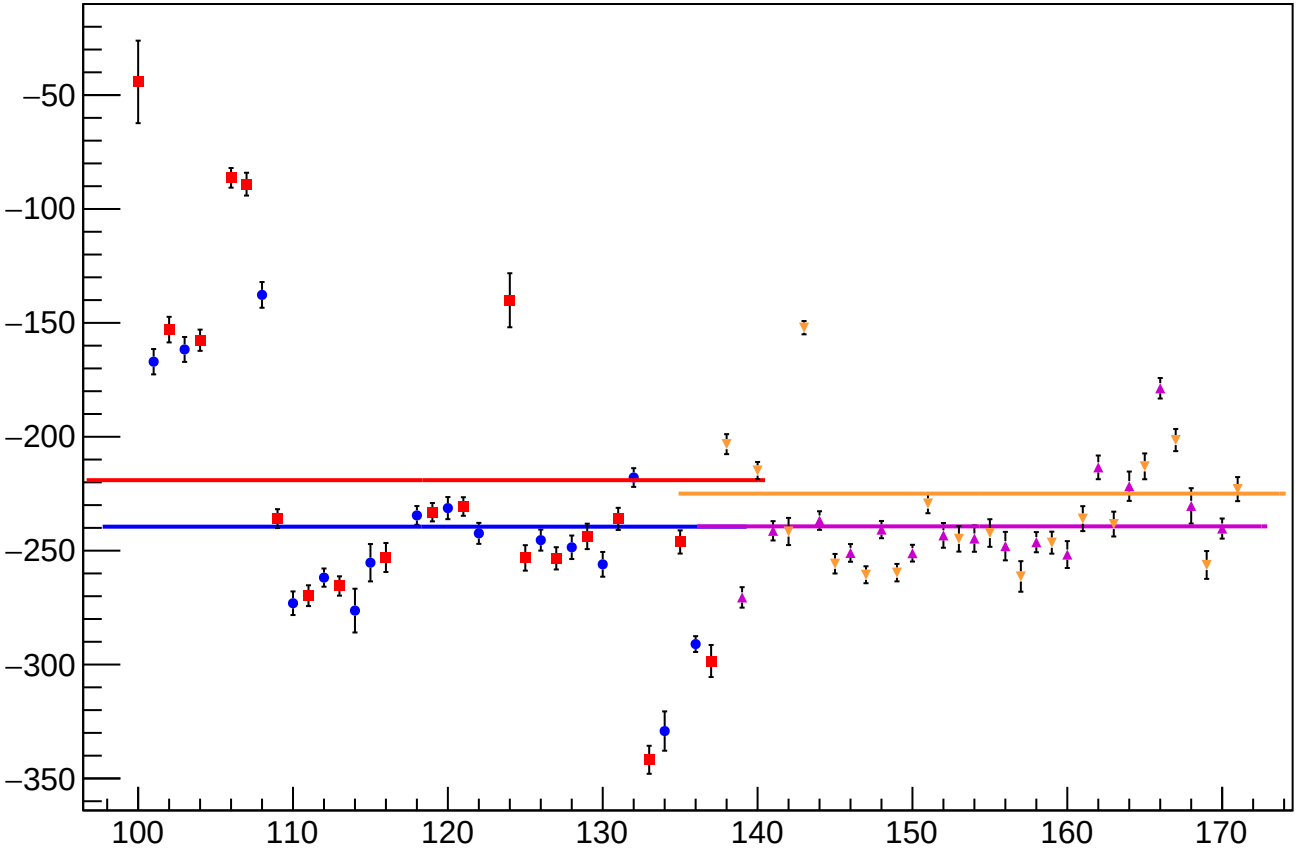
Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

+ sign 0.621+/-0.621 χ^2/NDF: 481.1/33

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68

- sign 1.443+/-0.652 χ^2/NDF: 580.5/34

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

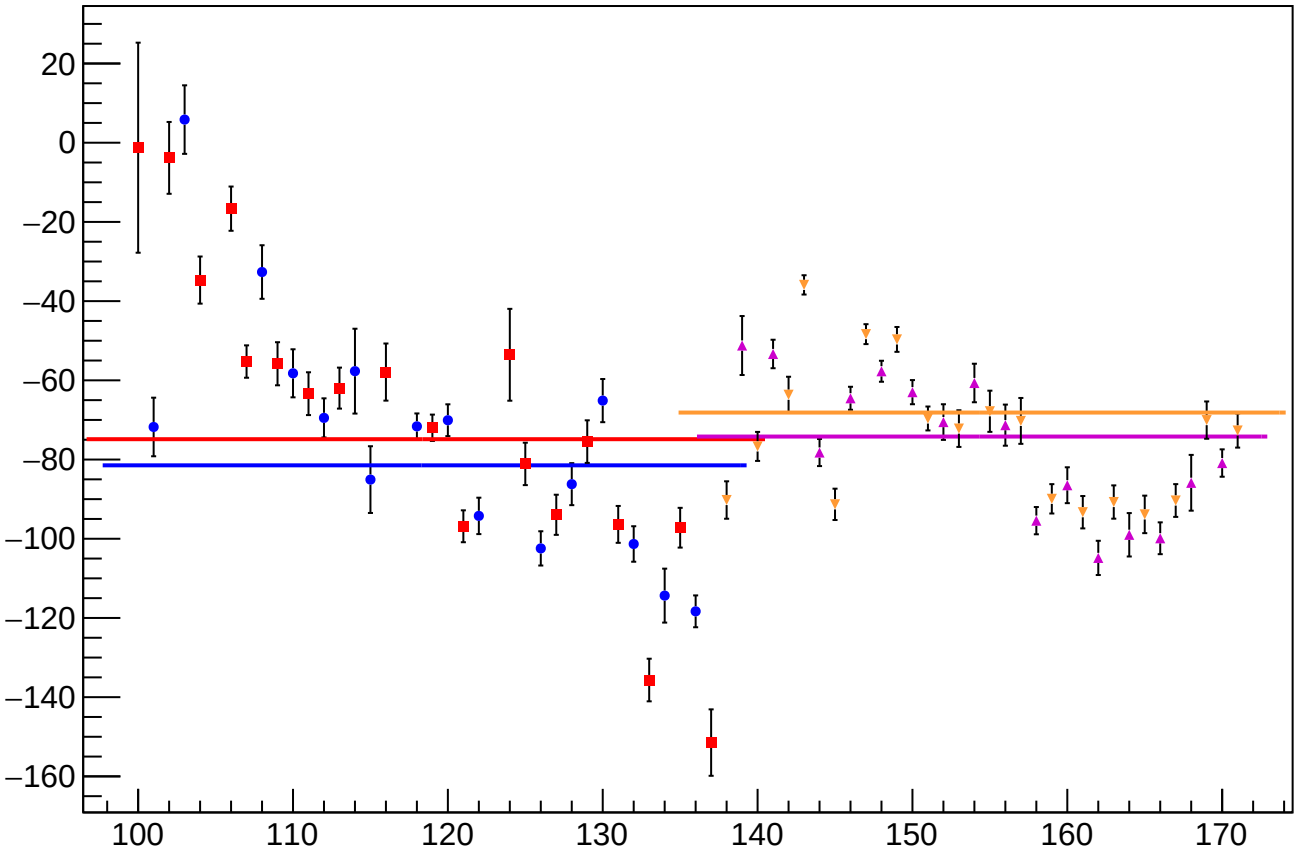
Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

+ sign -231.238+/-0.820 χ^2/NDF: 2260.3/33

All: -230.229+/-0.584 χ^2/NDF: 5754.2/68

- sign -229.190+/-0.832 χ^2/NDF: 3490.8/34



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -68.136+/-0.886 χ^2/NDF:496.4/17

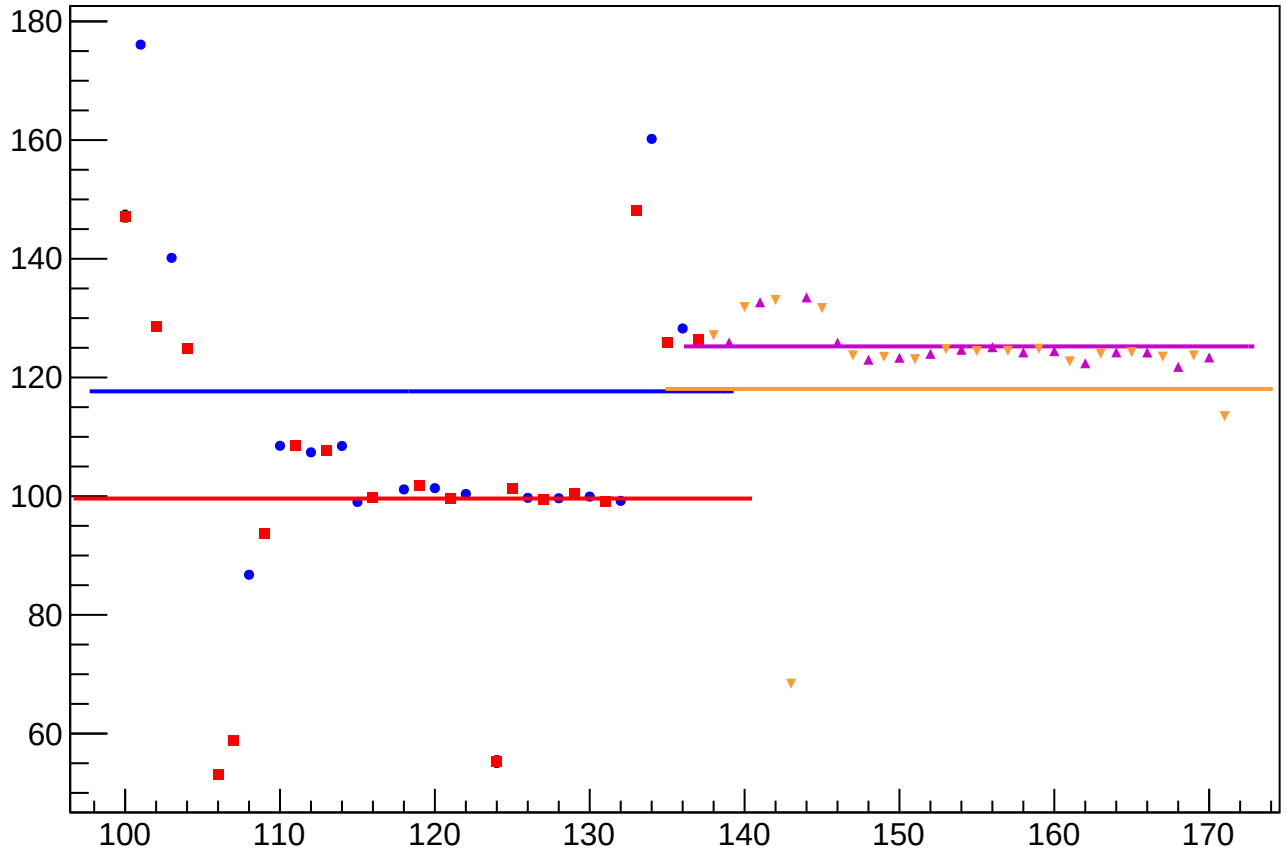
Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

+ sign -72.421+/-0.730 χ^2/NDF: 935.6/33

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68

- sign -74.449+/-0.761 χ^2/NDF: 856.8/34



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Left Out: 118.068+/-0.042 χ^2/NDF:198758.7/17

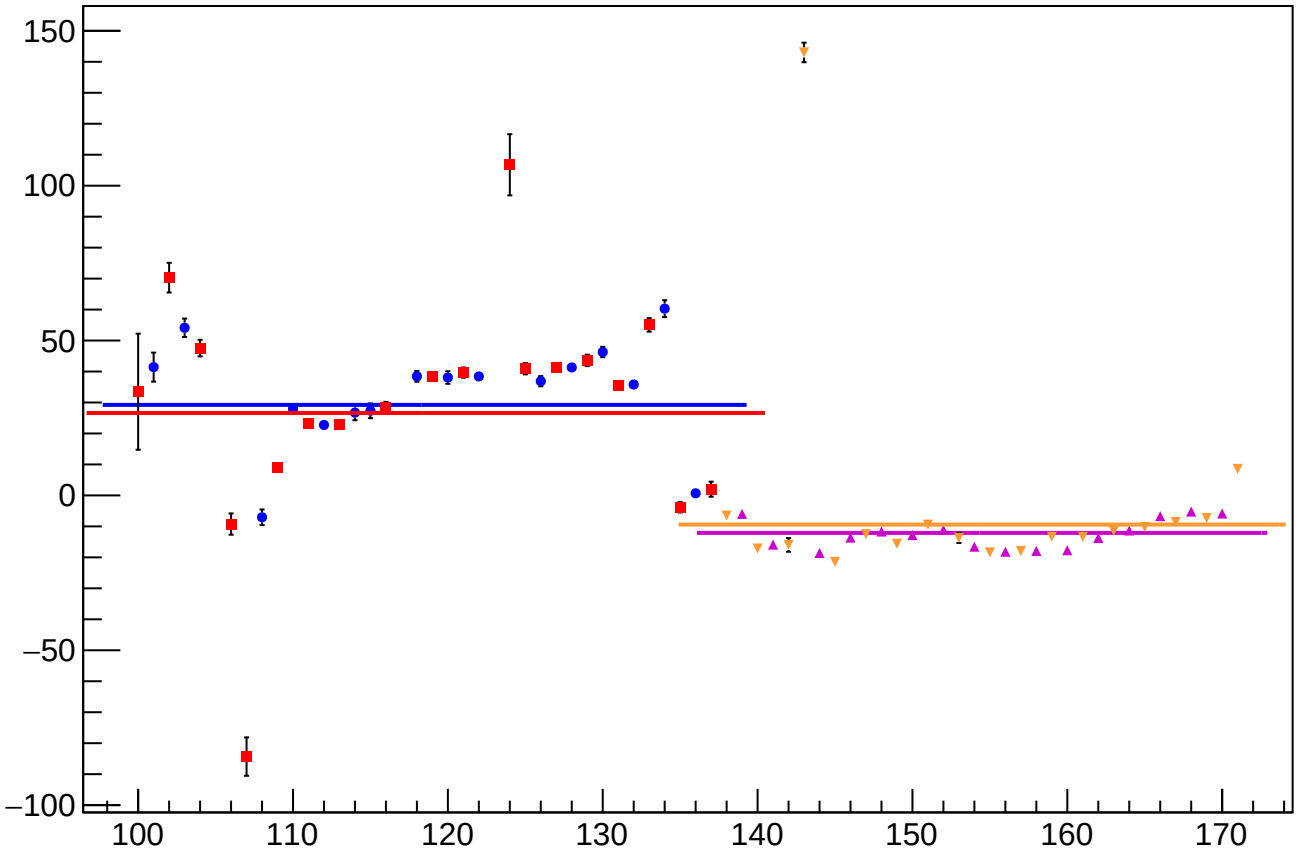
Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.238+/-0.045 χ^2/NDF:4971.2/15

\+ sign 117.978+/-0.037 χ^2/NDF: 294176.4/33

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68

\- sign 117.821+/-0.038 χ^2/NDF: 265689.7/34



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -9.410+/-0.351 χ^2/NDF:2741.9/17

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.101+/-0.357 χ^2/NDF:167.6/15

+ sign 6.272+/-0.270 χ^2/NDF: 9012.5/33

All: 5.339+/-0.191 χ^2/NDF: 16137.4/68

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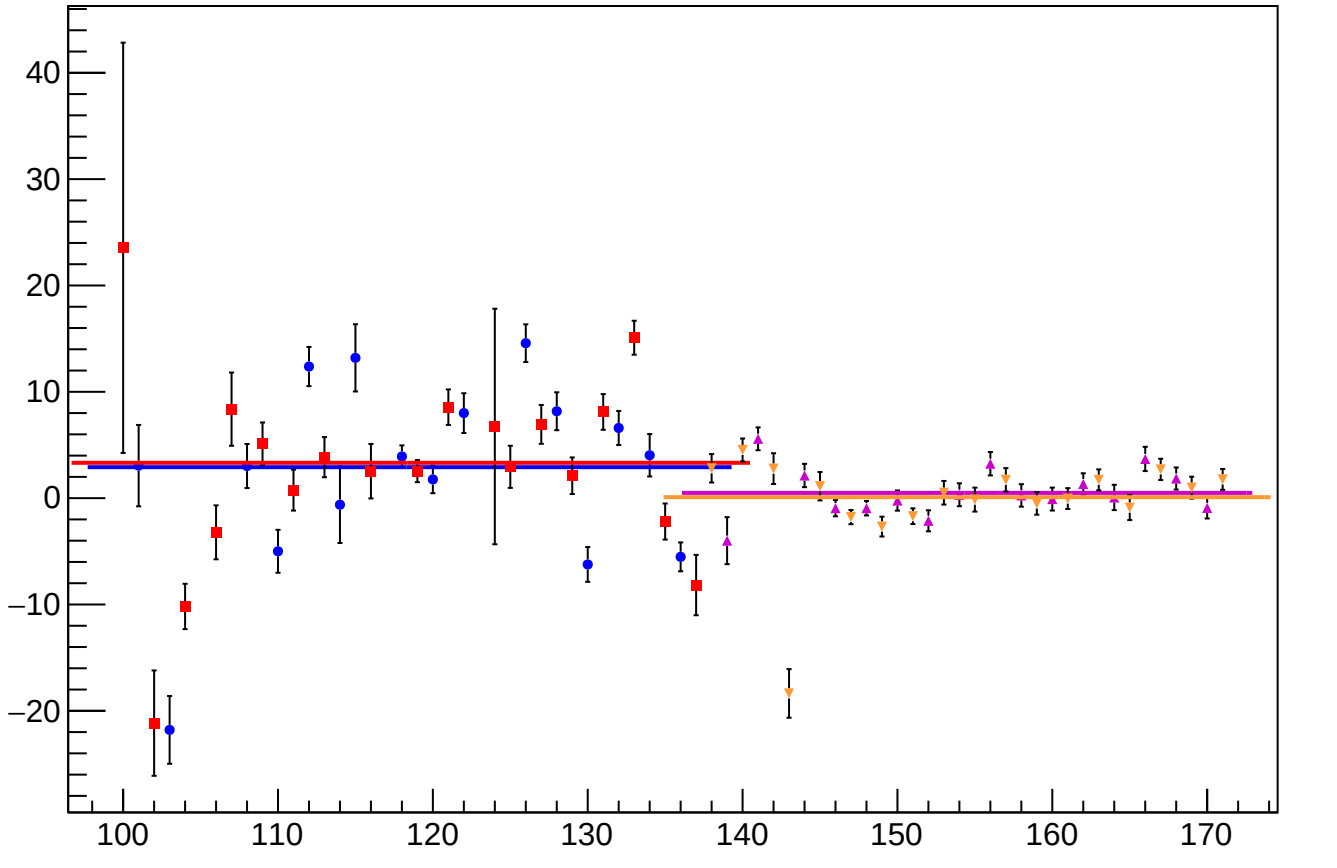


Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.092+/-0.243 χ^2/NDF:129.4/17

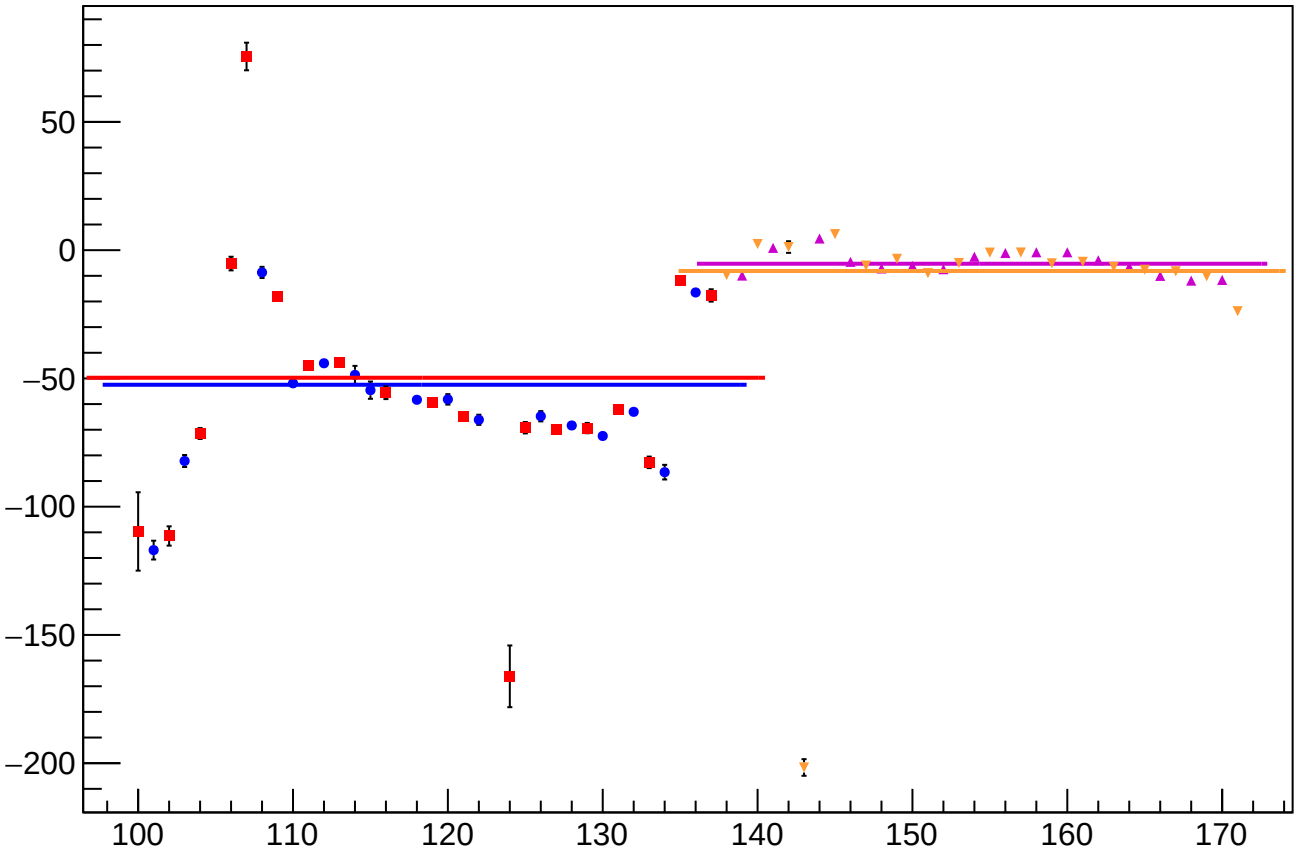
Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.496+/-0.252 χ^2/NDF:63.3/15

+ sign 0.745+/-0.213 χ^2/NDF: 410.6/33

All: 0.947+/-0.153 χ^2/NDF: 687.3/68

- sign 1.164+/-0.220 χ^2/NDF: 274.9/34



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.113+/-0.342 χ^2/NDF:3946.1/17

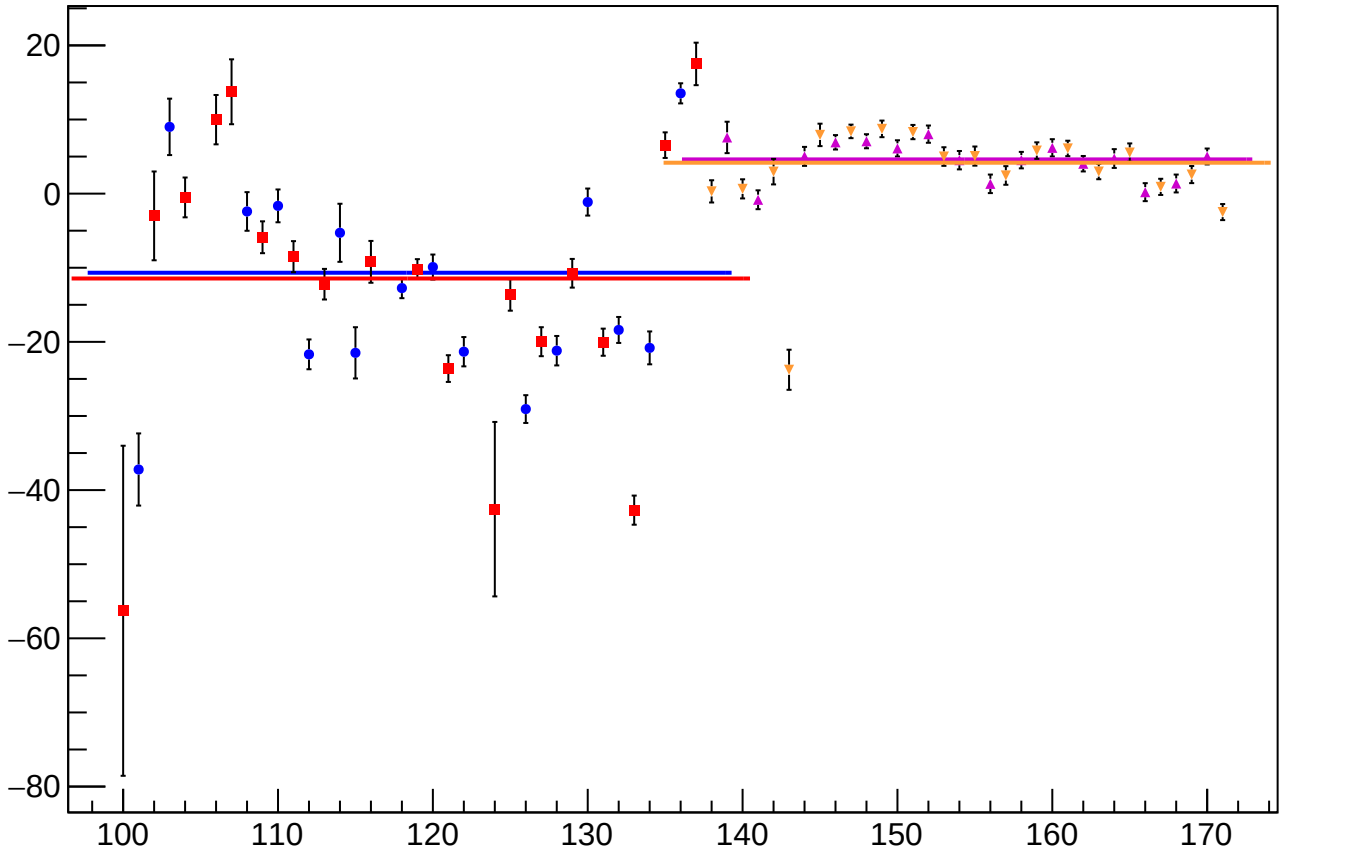
Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -5.290+/-0.348 χ^2/NDF:166.4/15

+ sign -22.755+/-0.280 χ^2/NDF: 11815.1/33

All: -21.399+/-0.200 χ^2/NDF: 20452.3/68

- sign -20.004+/-0.284 χ^2/NDF: 8589.7/34



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.171+/-0.281 χ^2/NDF:243.5/17

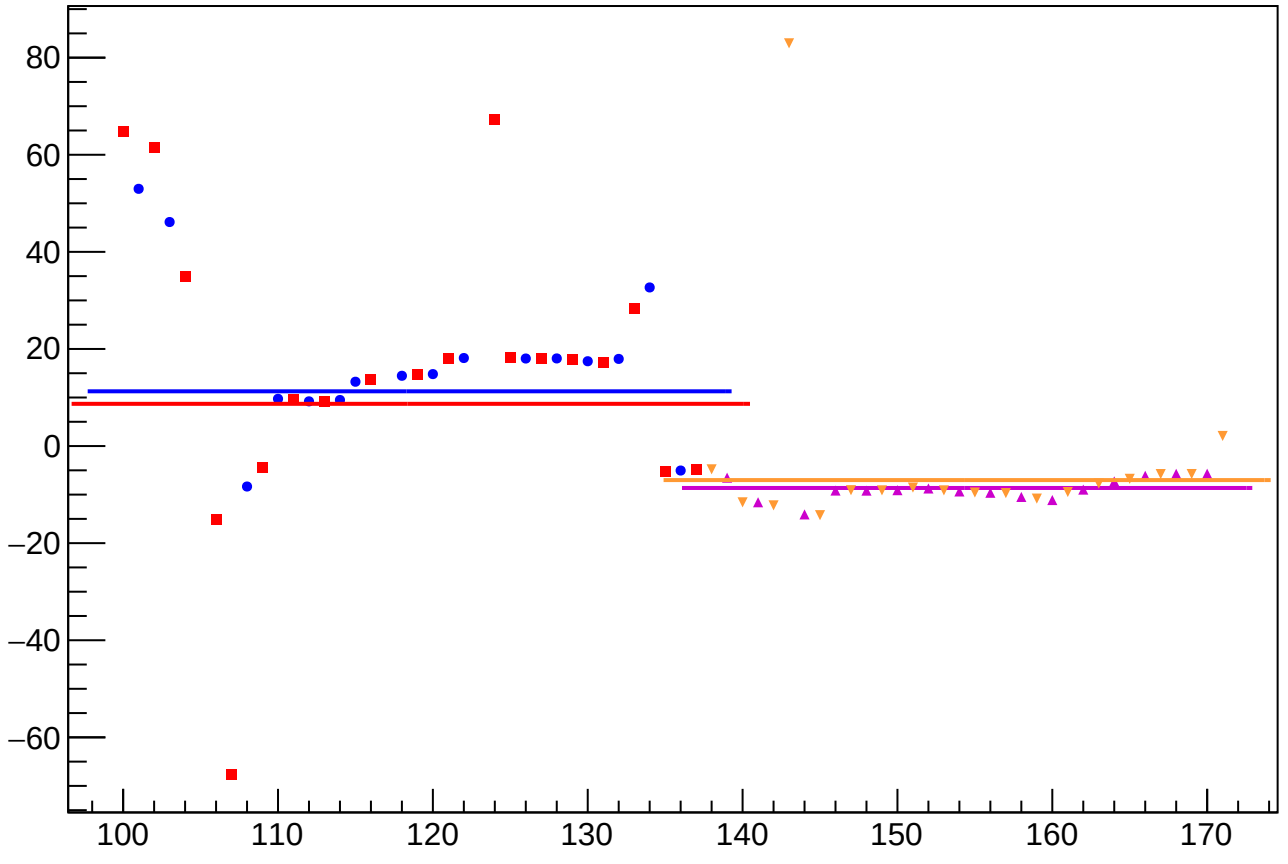
Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.617+/-0.291 χ^2/NDF:72.8/15

+ sign 0.665+/-0.246 χ^2/NDF: 1568.8/33

All: 0.700+/-0.176 χ^2/NDF: 3042.7/68

- sign 0.738+/-0.254 χ^2/NDF: 1473.8/34



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.008+/-0.013 χ^2/NDF:531289.9/17

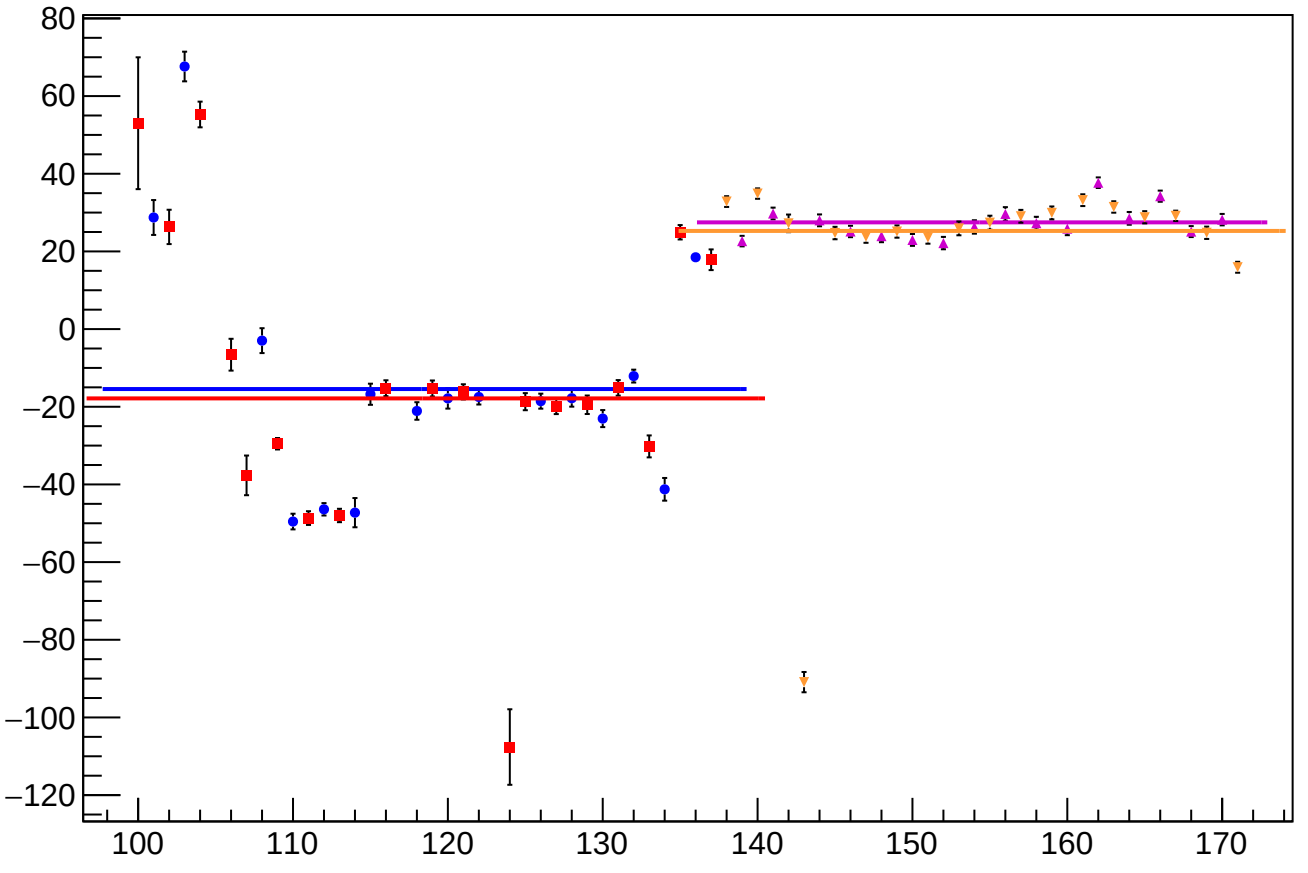
Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.634+/-0.013 χ^2/NDF:26041.0/15

+ sign -4.221+/-0.012 χ^2/NDF: 1197145.1/33

All: -5.157+/-0.008 χ^2/NDF: 1932825.6/68

- sign -6.134+/-0.012 χ^2/NDF: 722566.3/34



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.274+/-0.374 χ^2/NDF:2179.2/17

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

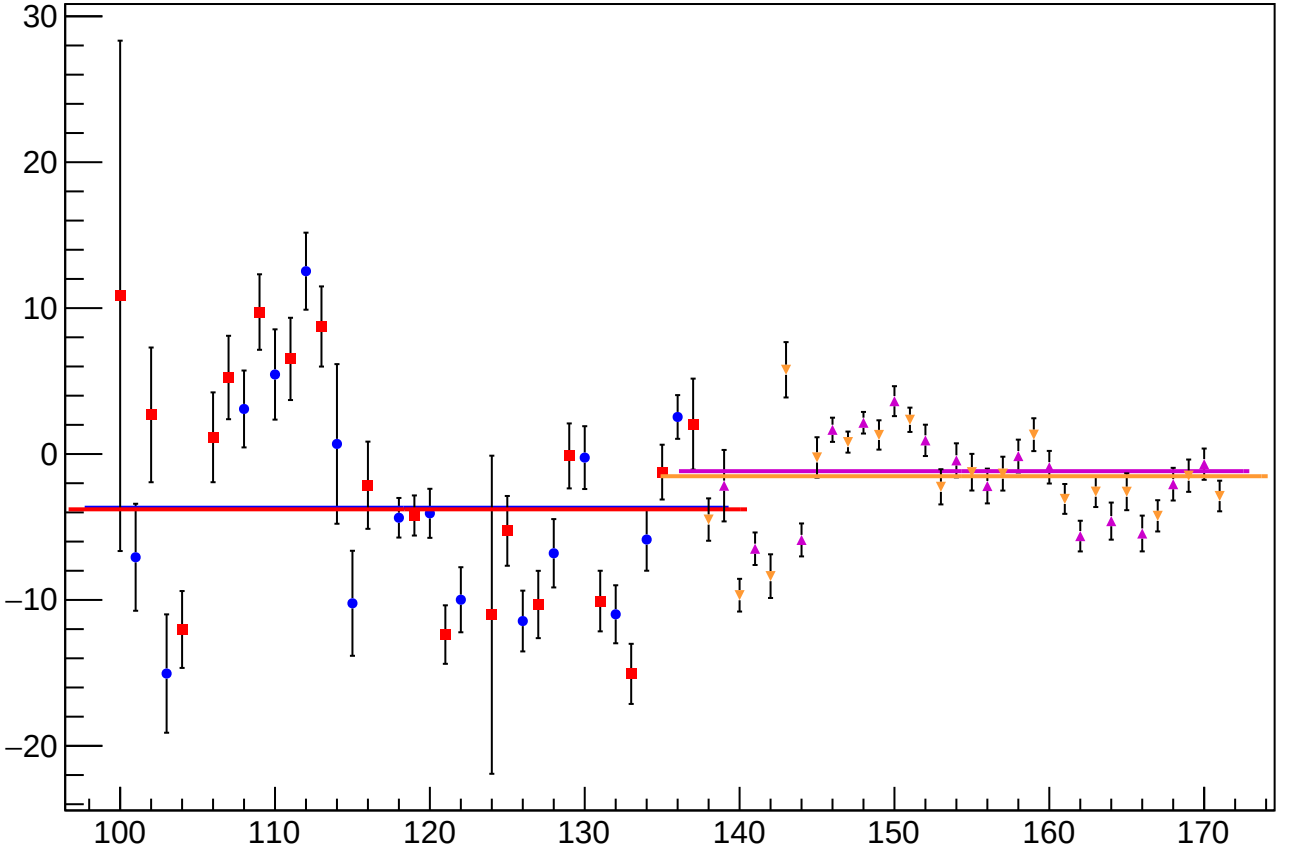
Left In: 27.481+/-0.382 χ^2/NDF:127.3/15

+ sign 12.024+/-0.308 χ^2/NDF: 8151.1/33

All: 11.984+/-0.218 χ^2/NDF: 15217.8/68

- sign 11.944+/-0.310 χ^2/NDF: 7066.7/34

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.521+/-0.260 χ^2/NDF:152.6/17

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

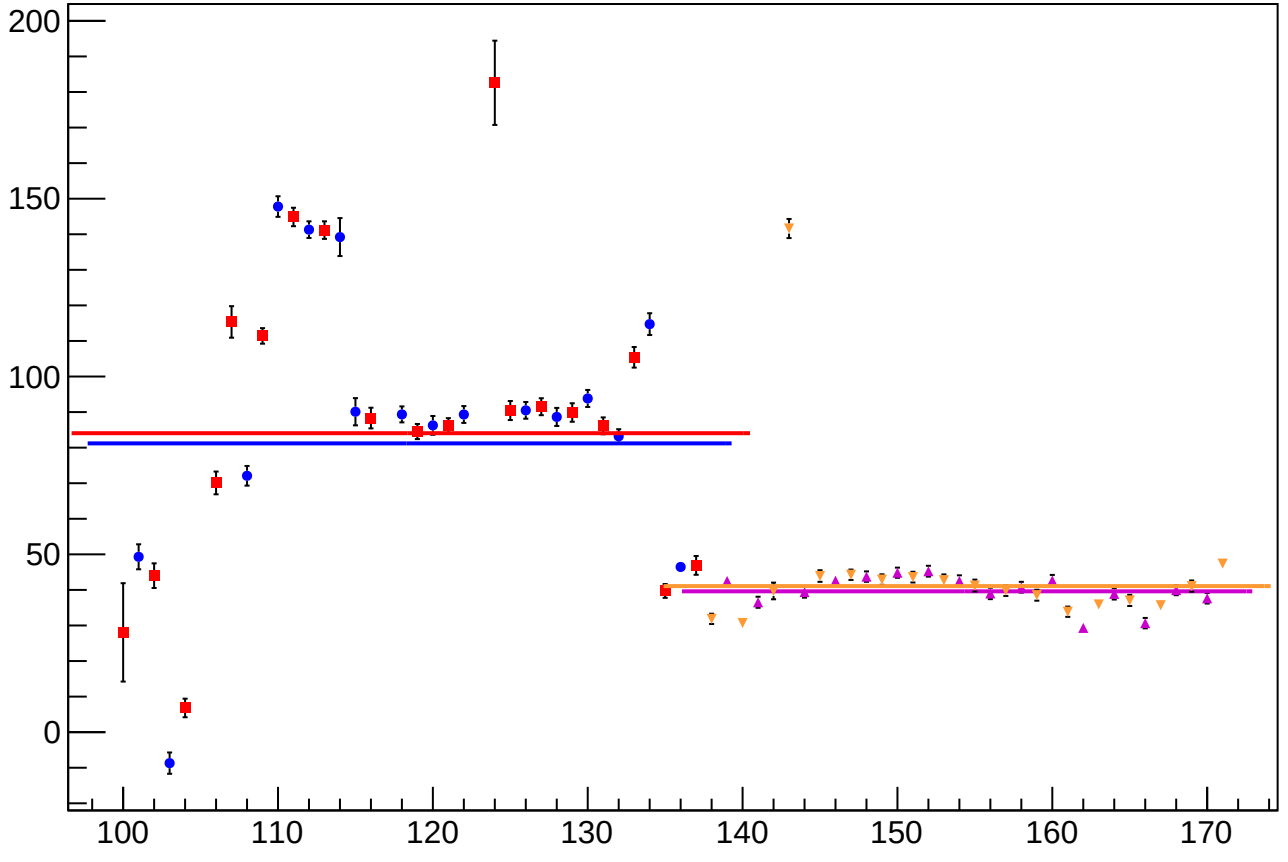
Left In: -1.174+/-0.270 χ^2/NDF:138.0/15

+ sign -1.913+/-0.235 χ^2/NDF: 289.1/33

All: -1.791+/-0.169 χ^2/NDF: 606.4/68

- sign -1.662+/-0.243 χ^2/NDF: 316.8/34

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.072+/-0.366 χ^2/NDF:1594.5/17

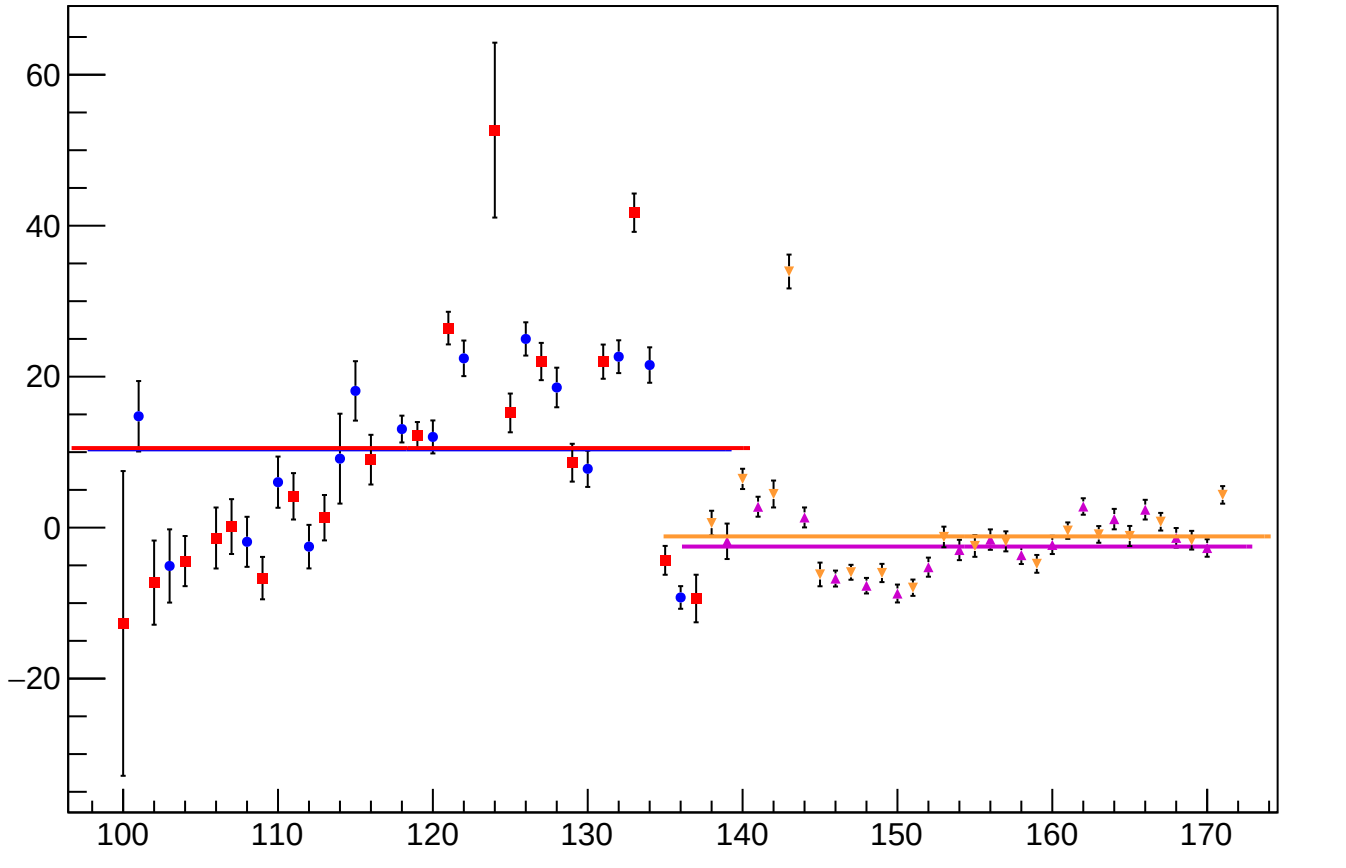
Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

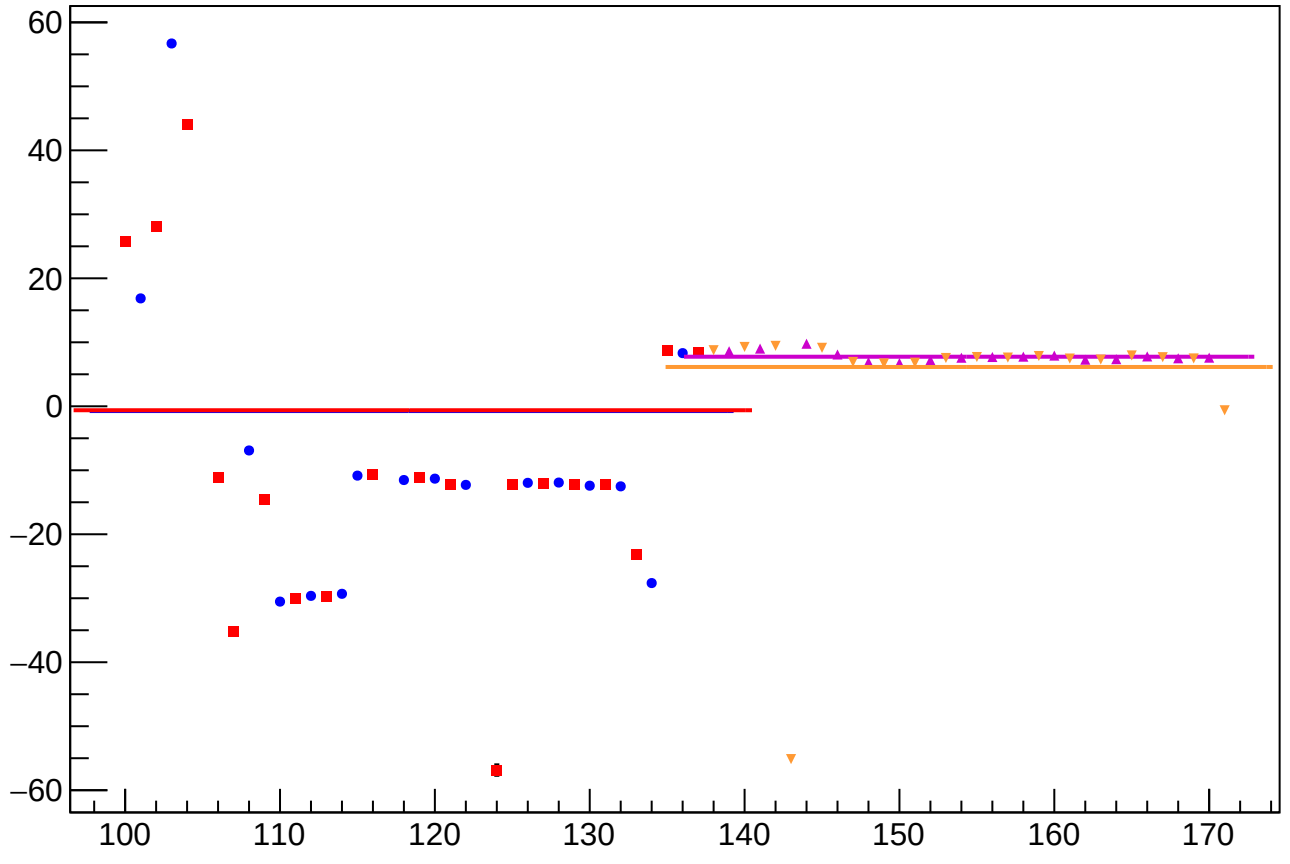
Left In: 39.603+/-0.372 χ^2/NDF:156.5/15

\+ sign 51.768+/-0.313 χ^2/NDF: 8030.4/33

All: 51.633+/-0.223 χ^2/NDF: 15206.9/68

\- sign 51.494+/-0.319 χ^2/NDF: 7176.1/34


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.162+/-0.300 χ²/NDF:414.0/17
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.508+/-0.311 χ²/NDF:145.4/15
+ sign 0.994+/-0.271 χ²/NDF: 1049.1/33
All: 0.507+/-0.195 χ²/NDF: 2007.8/68
- sign -0.012+/-0.280 χ²/NDF: 952.0/34



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.144+/-0.014 χ^2/NDF:336472.5/17

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

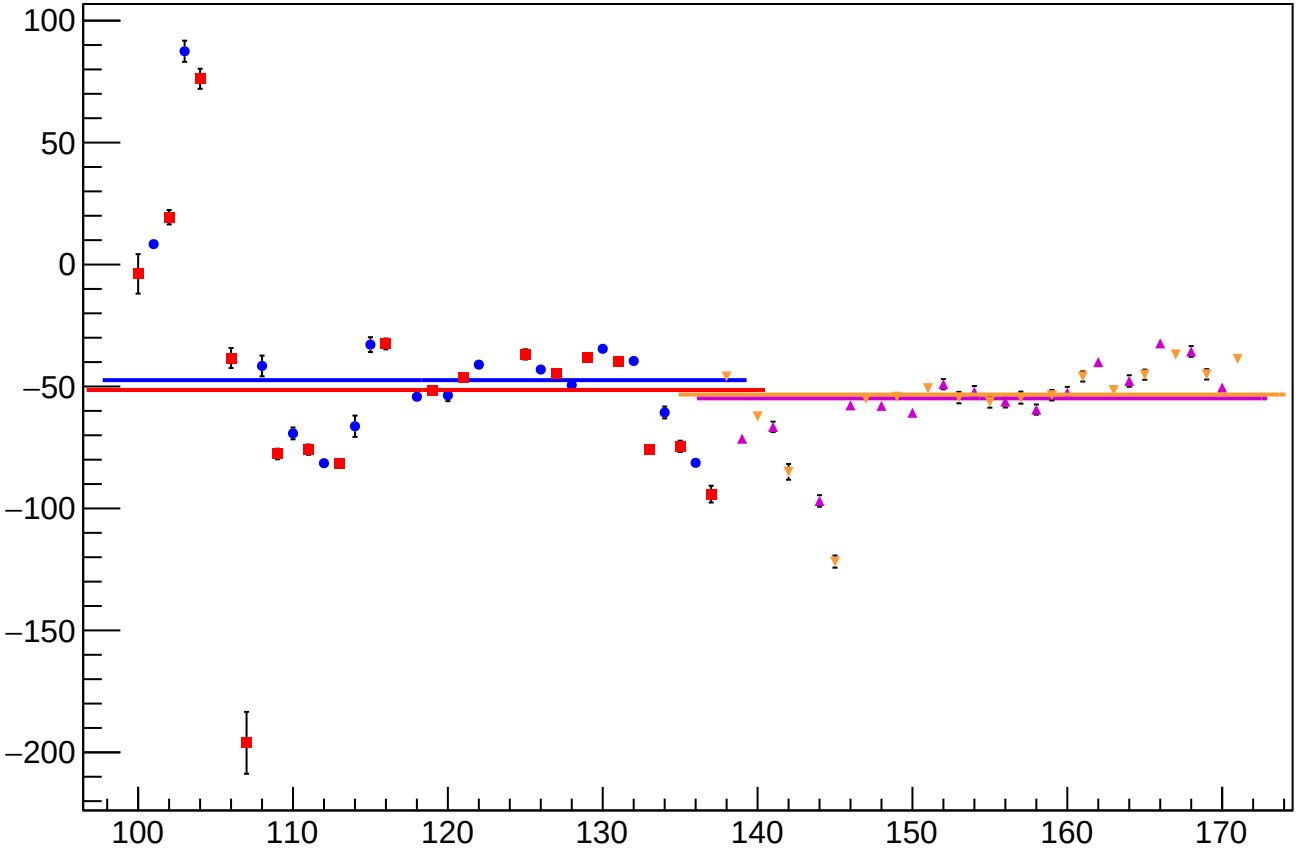
Left In: 7.746+/-0.014 χ^2/NDF:2330.1/15

+ sign 5.280+/-0.013 χ^2/NDF: 736708.8/33

All: 5.992+/-0.009 χ^2/NDF: 1106084.5/68

- sign 6.735+/-0.013 χ^2/NDF: 362955.2/34

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -53.302+/-0.503 χ^2/NDF:1087.5/16

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

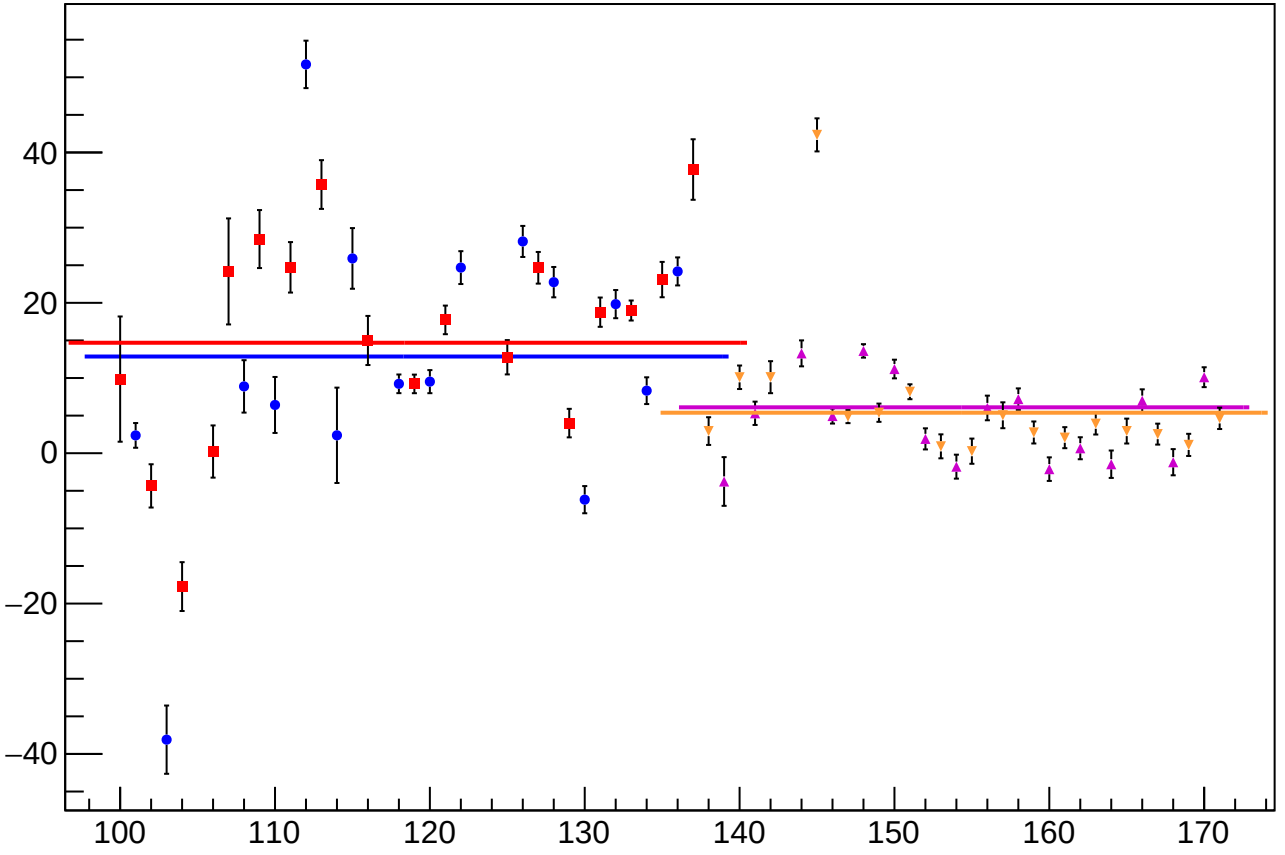
Left In: -54.857+/-0.509 χ^2/NDF:780.9/15

+ sign -50.535+/-0.366 χ^2/NDF: 3921.2/32

All: -51.880+/-0.261 χ^2/NDF: 7623.2/66

- sign -53.267+/-0.372 χ^2/NDF: 3674.6/33

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.386+/-0.342 χ^2/NDF:348.5/16

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

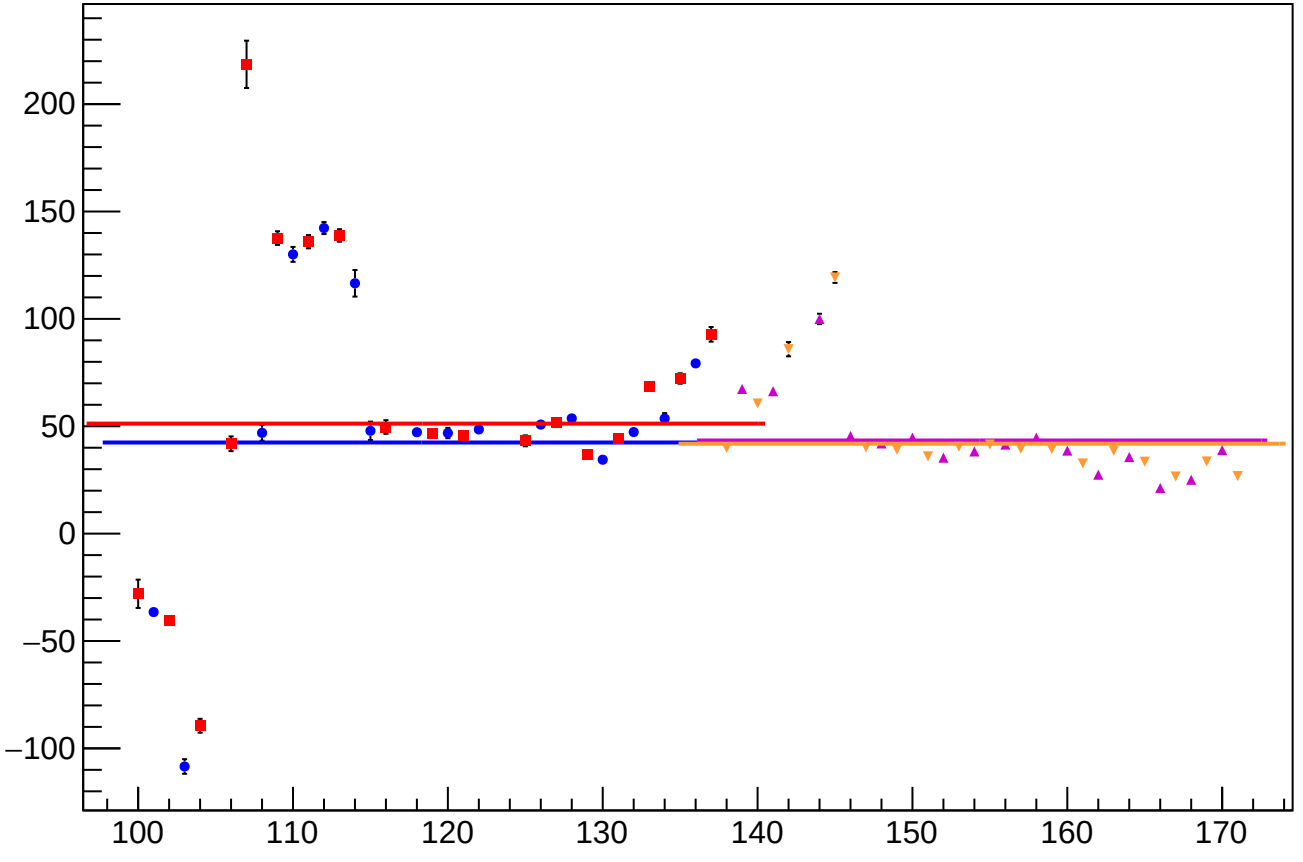
Left In: 6.103+/-0.353 χ^2/NDF:234.8/15

+ sign 7.651+/-0.286 χ^2/NDF: 1118.7/32

All: 8.132+/-0.206 χ^2/NDF: 1898.6/66

- sign 8.649+/-0.296 χ^2/NDF: 774.1/33

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 41.881+/-0.490 χ^2/NDF:1423.0/16

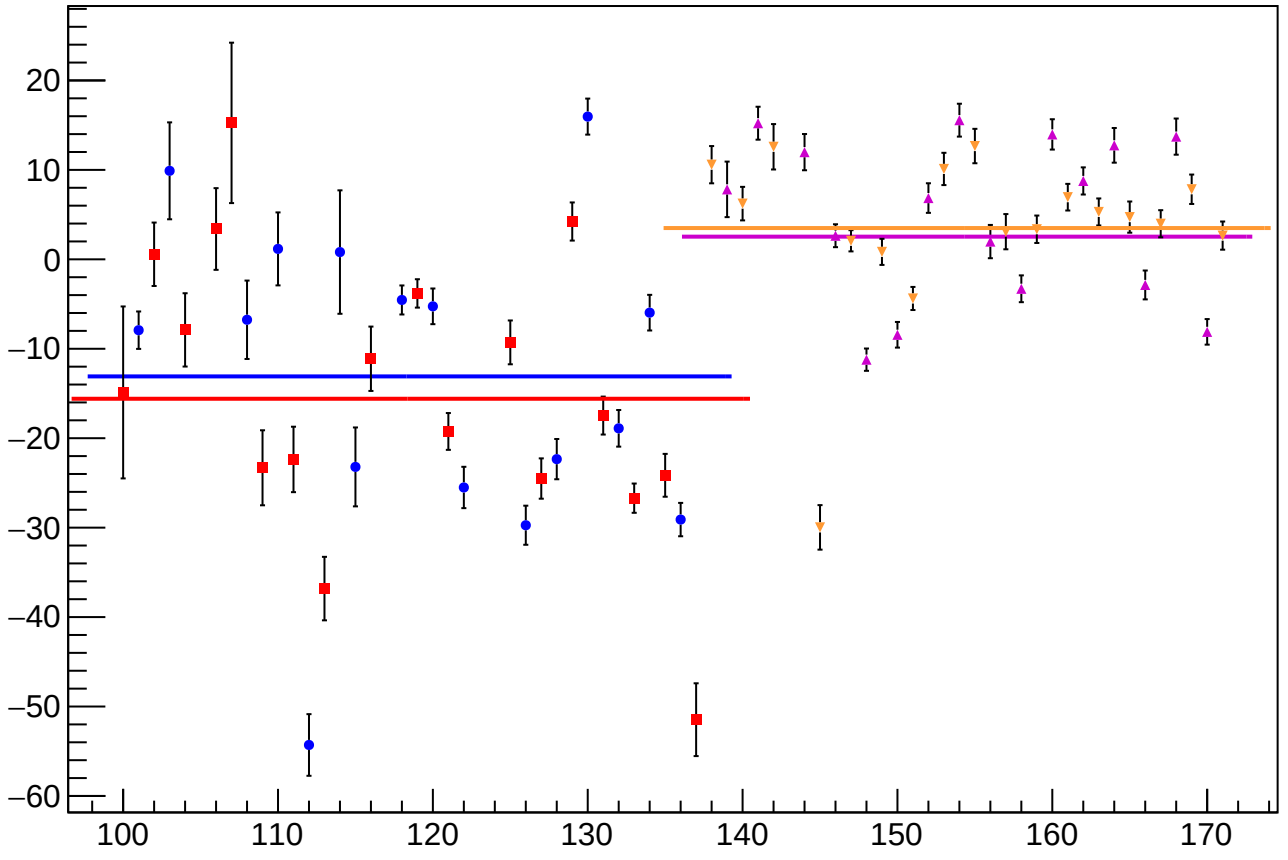
Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 43.366+/-0.494 χ^2/NDF:1165.1/15

+ sign 42.110+/-0.375 χ^2/NDF: 8592.5/32

All: 44.225+/-0.269 χ^2/NDF: 16533.3/66

- sign 46.452+/-0.385 χ^2/NDF: 7875.6/33



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.497+/-0.398 χ^2/NDF:300.0/16

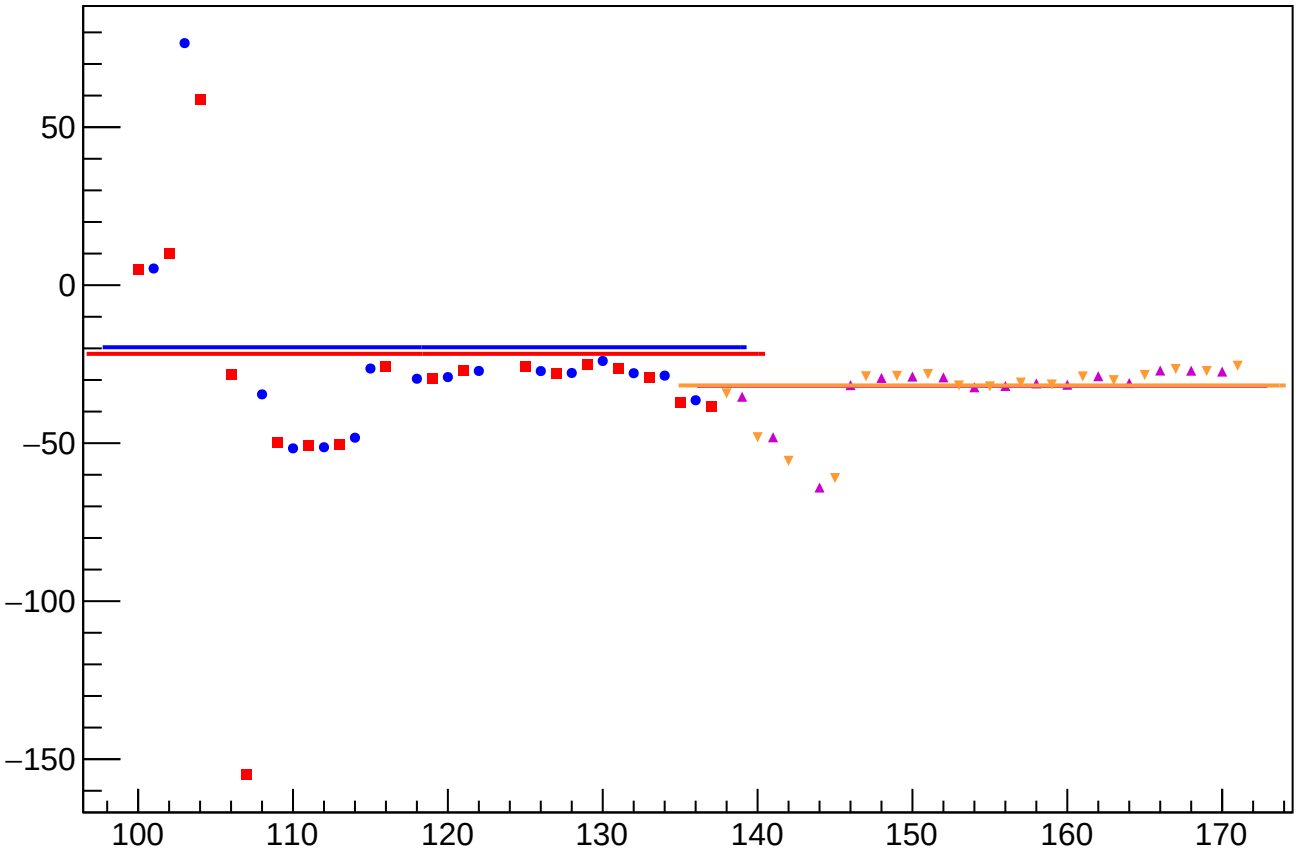
Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.535+/-0.410 χ^2/NDF:511.7/15

+ sign -1.581+/-0.332 χ^2/NDF: 1470.7/32

All: -2.218+/-0.239 χ^2/NDF: 2977.3/66

- sign -2.900+/-0.343 χ^2/NDF: 1498.9/33



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -31.738+/-0.018 χ^2/NDF:184635.8/16

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

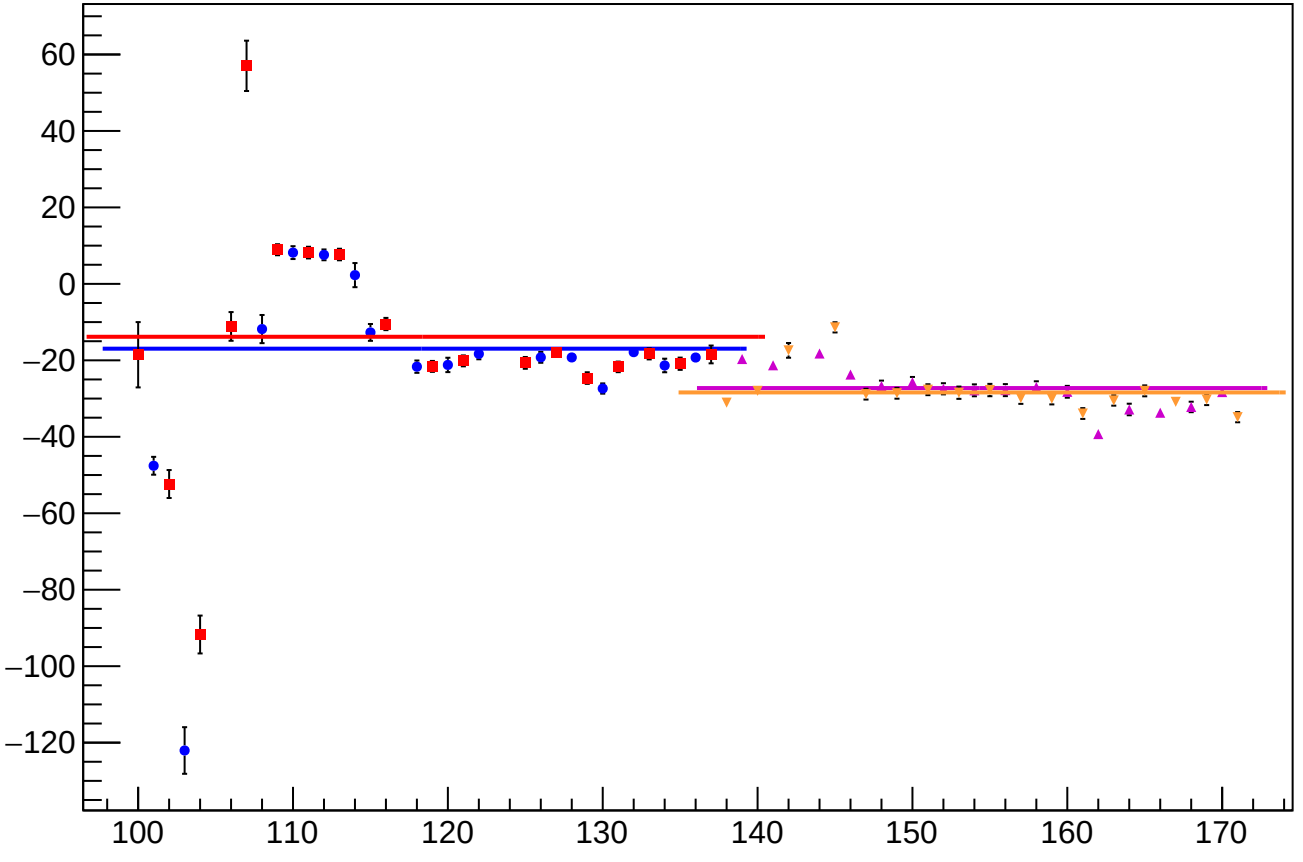
Left In: -31.895+/-0.018 χ^2/NDF:144825.1/15

+ sign -29.276+/-0.016 χ^2/NDF: 920895.0/32

All: -29.644+/-0.012 χ^2/NDF: 1669197.2/66

- sign -30.028+/-0.017 χ^2/NDF: 747262.1/33

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -28.397+/-0.340 χ^2/NDF:249.7/16

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

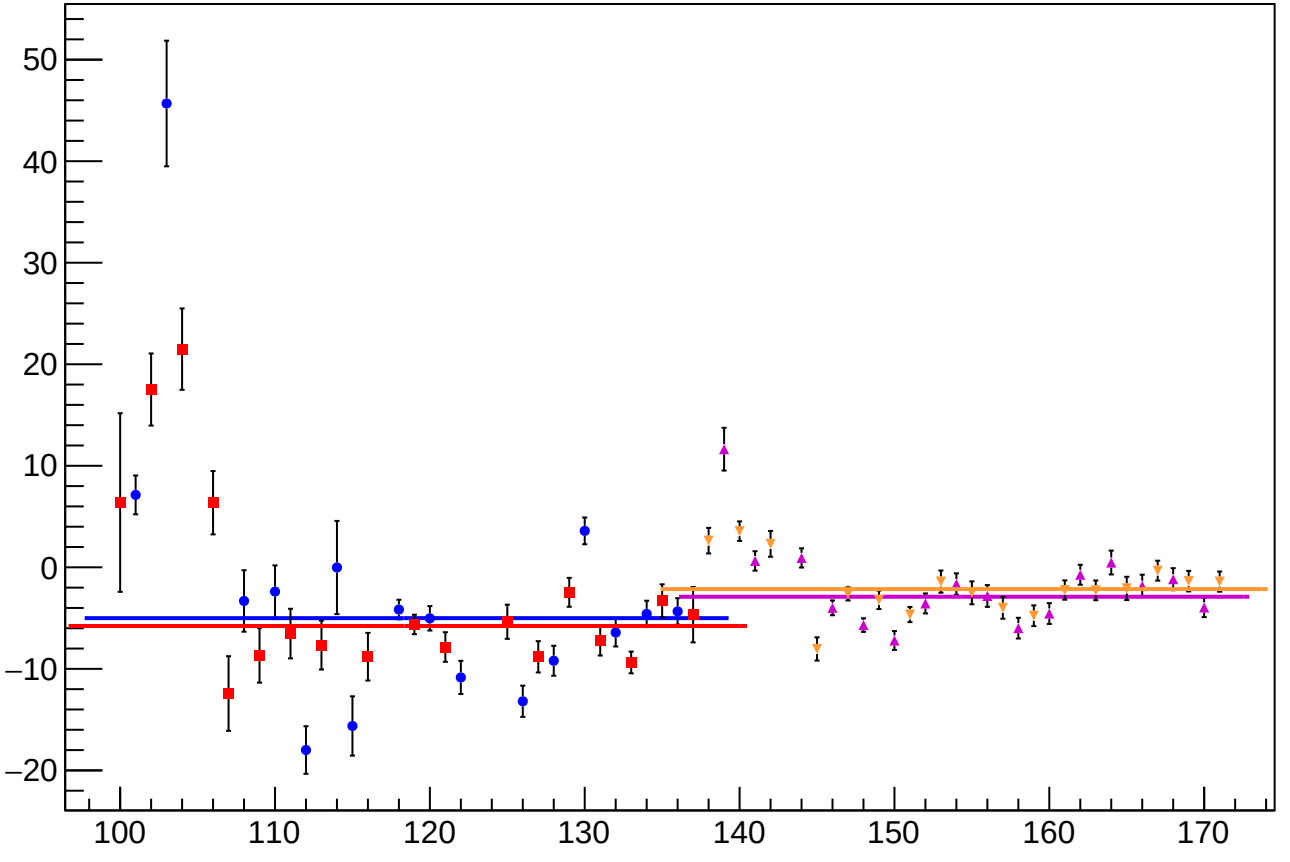
Left In: -27.251+/-0.343 χ^2/NDF:264.9/15

+ sign -23.647+/-0.260 χ^2/NDF: 1848.1/32

All: -22.689+/-0.185 χ^2/NDF: 4104.2/66

- sign -21.710+/-0.263 χ^2/NDF: 2228.8/33

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.142+/-0.237 χ^2/NDF:116.2/16

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

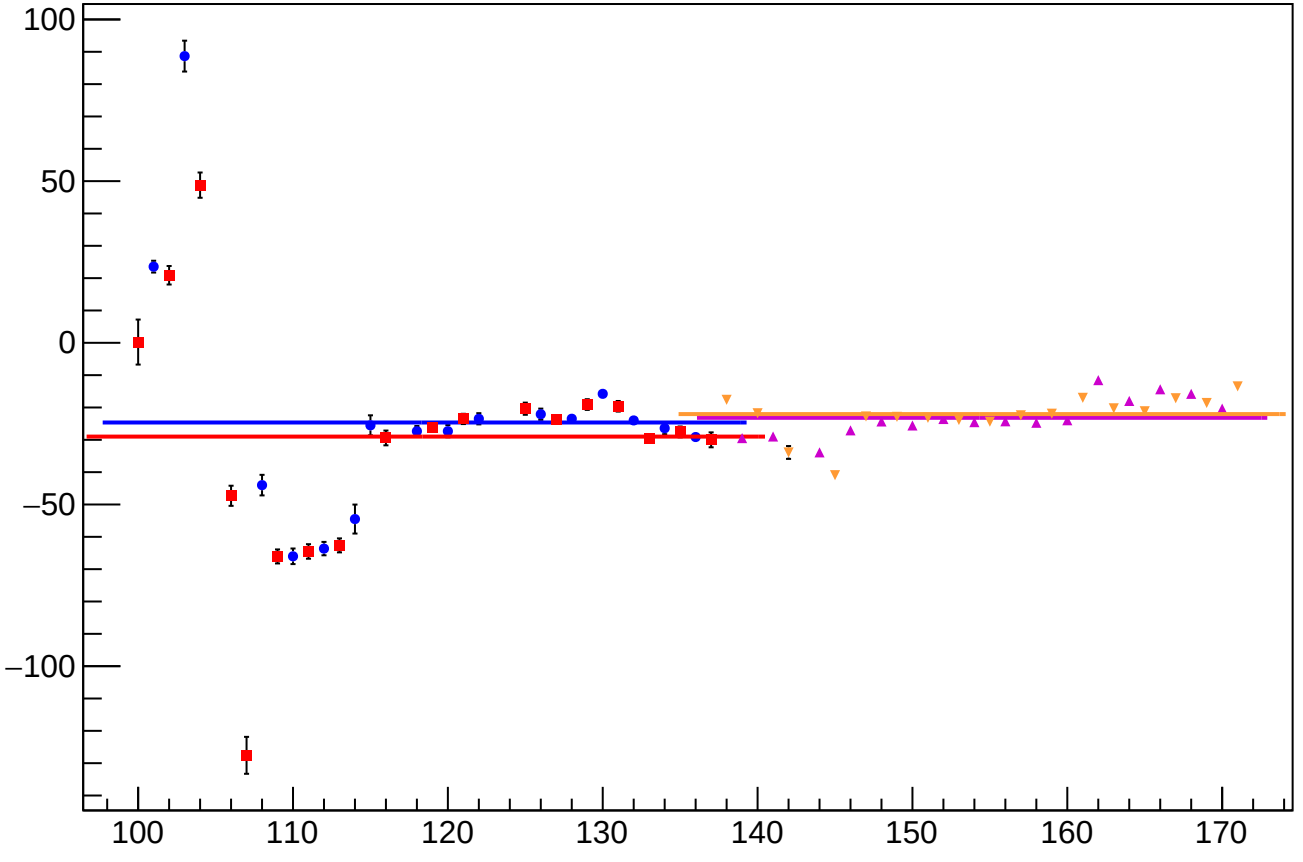
Left In: -2.899+/-0.243 χ^2/NDF:150.2/15

+ sign -2.880+/-0.204 χ^2/NDF: 401.8/32

All: -3.240+/-0.146 χ^2/NDF: 733.1/66

- sign -3.622+/-0.210 χ^2/NDF: 324.9/33

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -22.040+/-0.333 χ^2/NDF:324.0/16

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

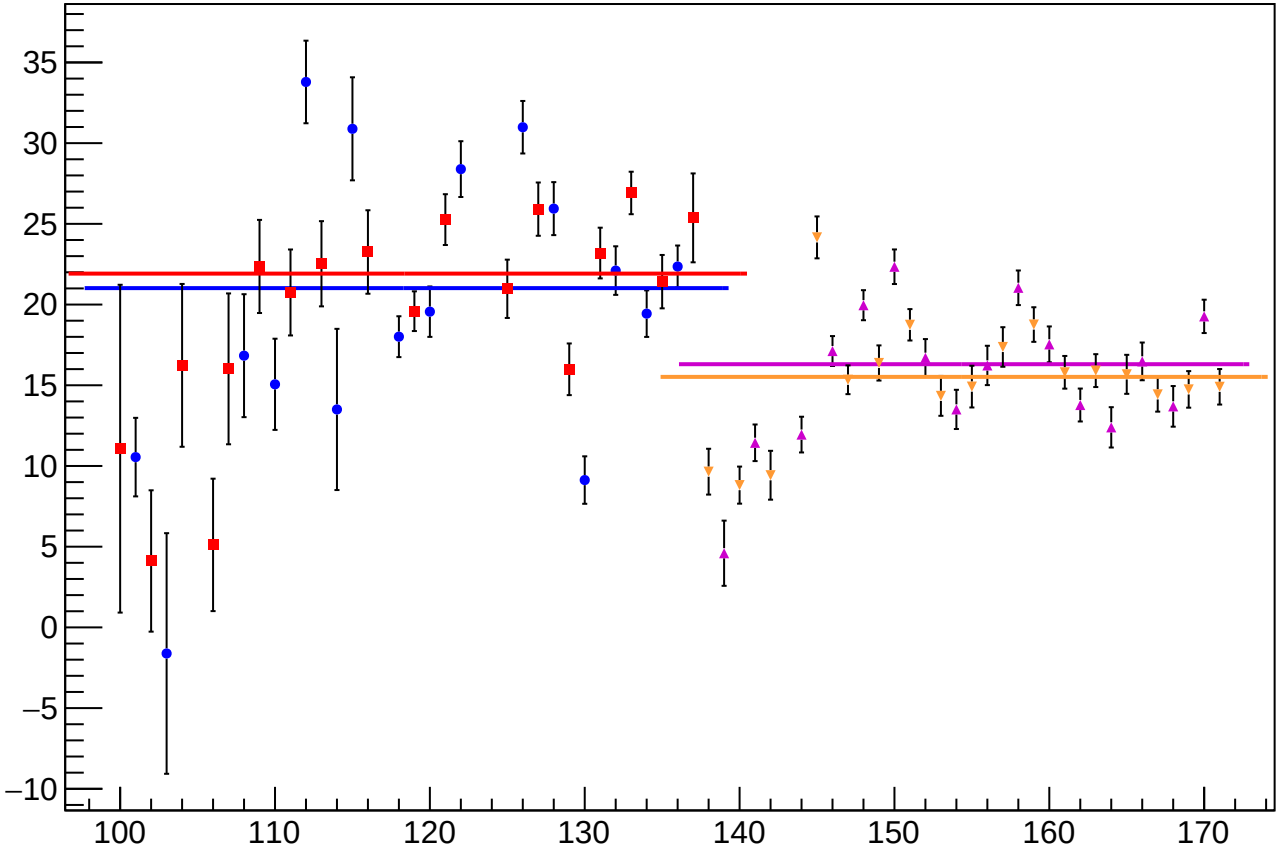
Left In: -23.190+/-0.335 χ^2/NDF:310.1/15

+ sign -22.946+/-0.268 χ^2/NDF: 2397.2/32

All: -24.011+/-0.192 χ^2/NDF: 4791.6/66

- sign -25.117+/-0.274 χ^2/NDF: 2362.3/33

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.519+/-0.274 χ^2/NDF:138.0/16

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

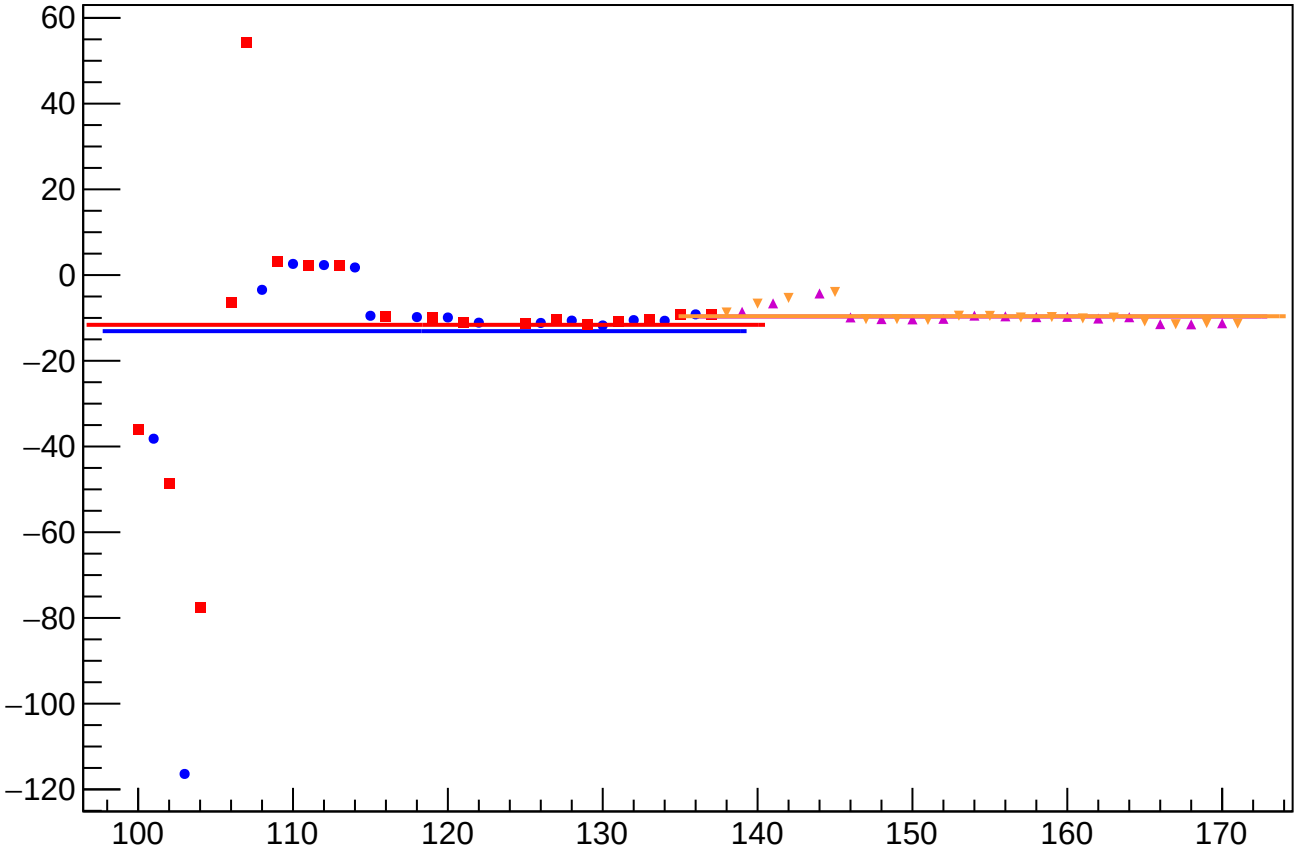
Left In: 16.305+/-0.280 χ^2/NDF:170.2/15

+ sign 16.967+/-0.235 χ^2/NDF: 453.8/32

All: 17.343+/-0.169 χ^2/NDF: 814.3/66

- sign 17.741+/-0.242 χ^2/NDF: 355.2/33

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.605+/-0.012 χ^2/NDF:22789.3/16

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

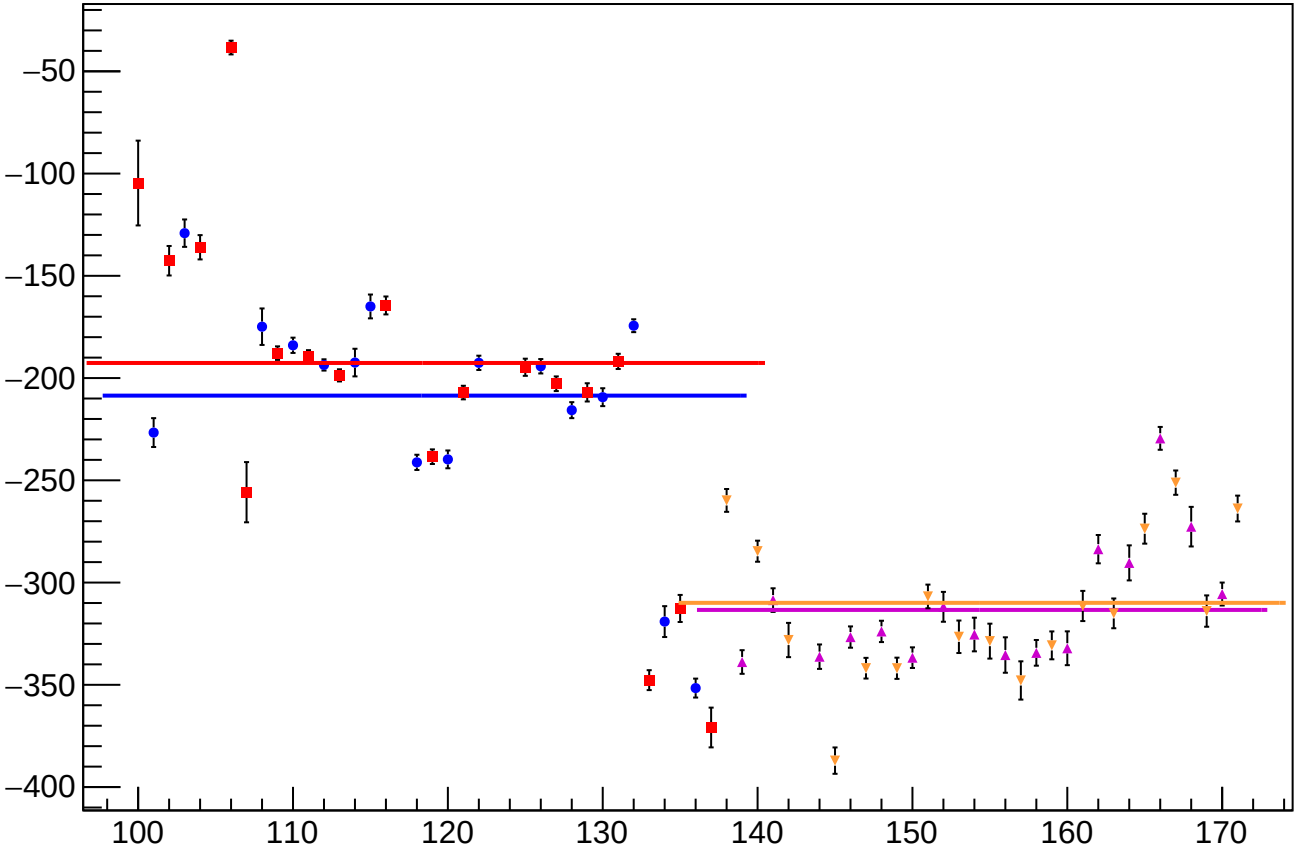
Left In: -9.671+/-0.012 χ^2/NDF:16551.4/15

+ sign -10.160+/-0.011 χ^2/NDF: 380349.5/32

All: -10.054+/-0.008 χ^2/NDF: 714650.9/66

- sign -9.943+/-0.012 χ^2/NDF: 334122.0/33

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -309.914+/-1.575 χ^2/NDF:542.3/16

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

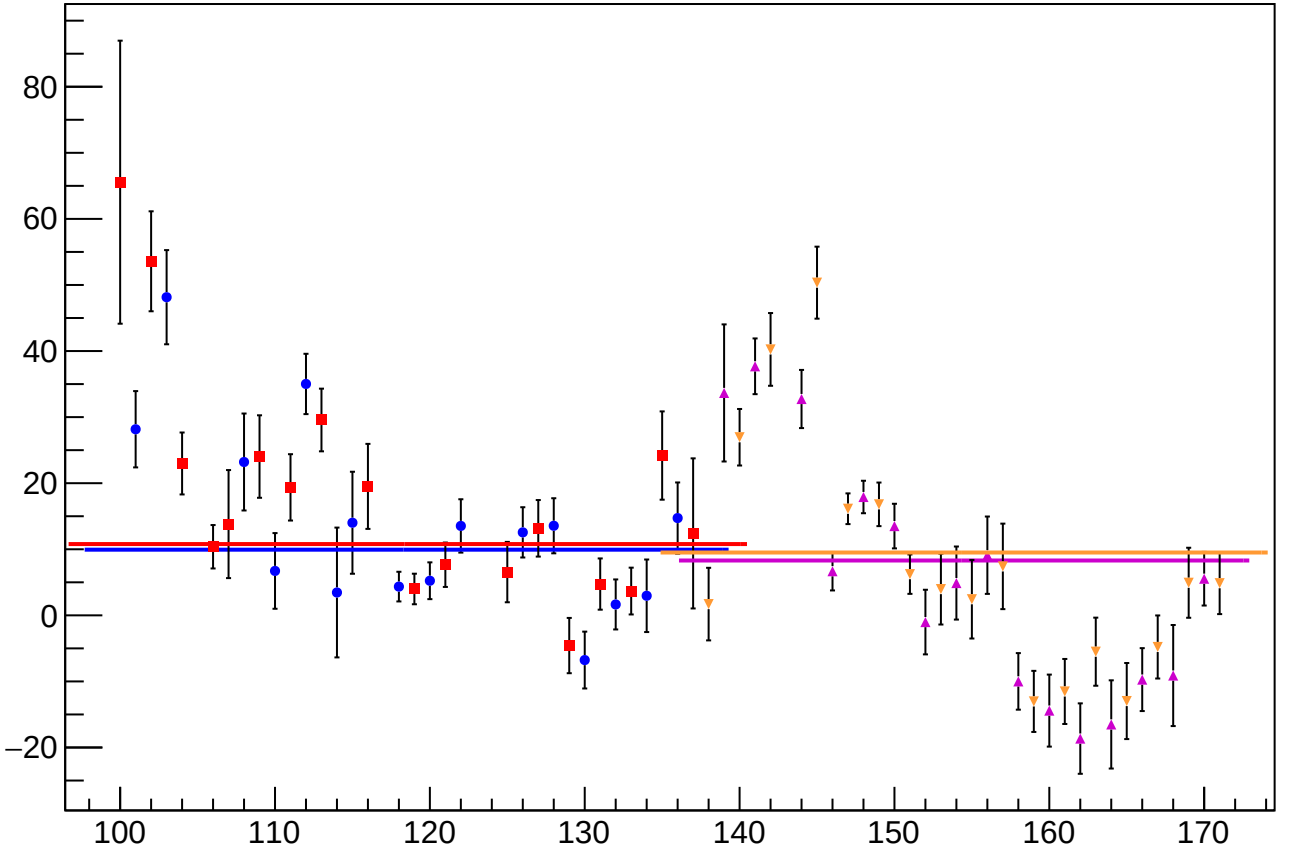
Left In: -313.377+/-1.588 χ^2/NDF:362.3/15

+ sign -240.437+/-0.883 χ^2/NDF: 5130.9/32

All: -233.348+/-0.611 χ^2/NDF: 13967.2/66

- sign -226.850+/-0.846 χ^2/NDF: 8712.9/33

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.510+/-1.047 χ^2/NDF:199.3/16

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

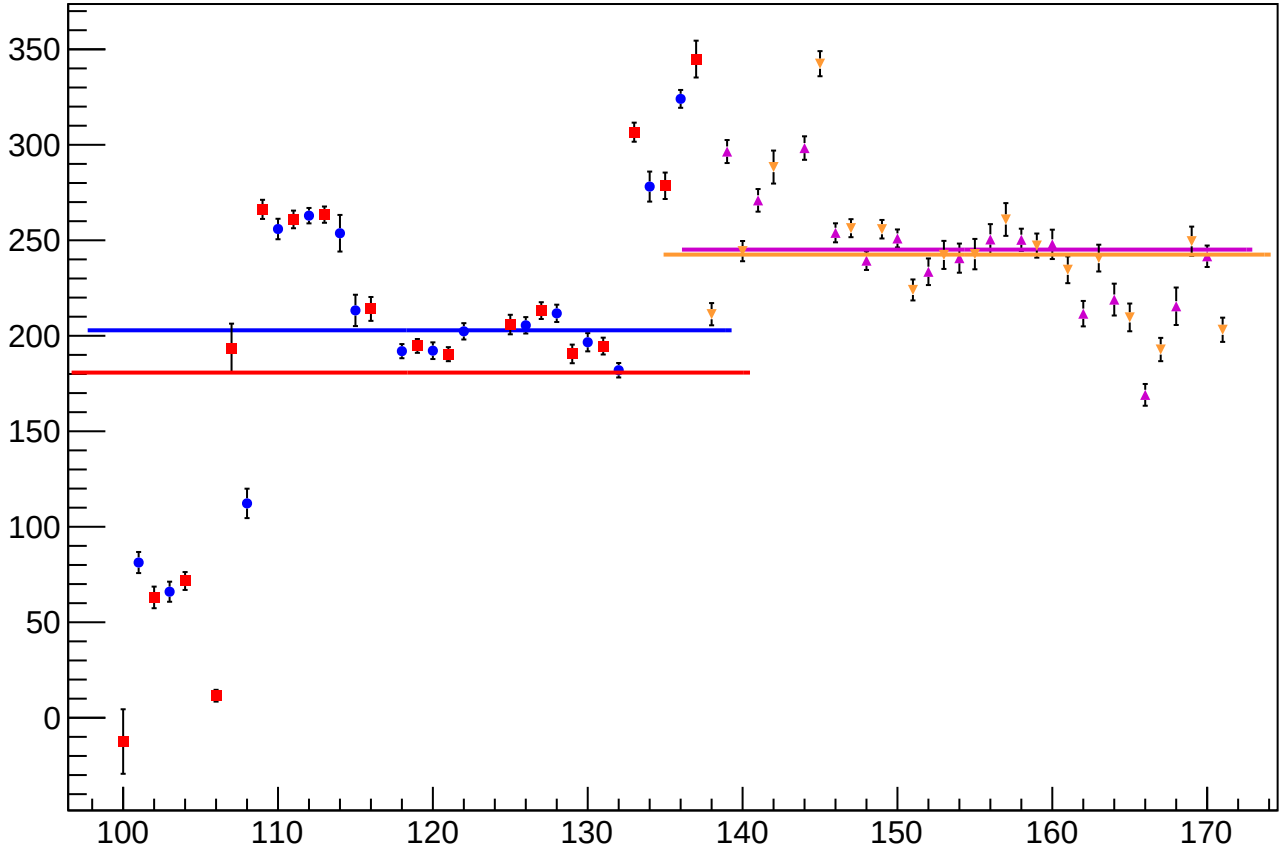
Left In: 8.301+/-1.078 χ^2/NDF:202.4/15

+ sign 9.720+/-0.747 χ^2/NDF: 305.9/32

All: 9.653+/-0.529 χ^2/NDF: 616.2/66

- sign 9.585+/-0.750 χ^2/NDF: 310.2/33

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 242.512+/-1.536 χ^2/NDF:448.4/16

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

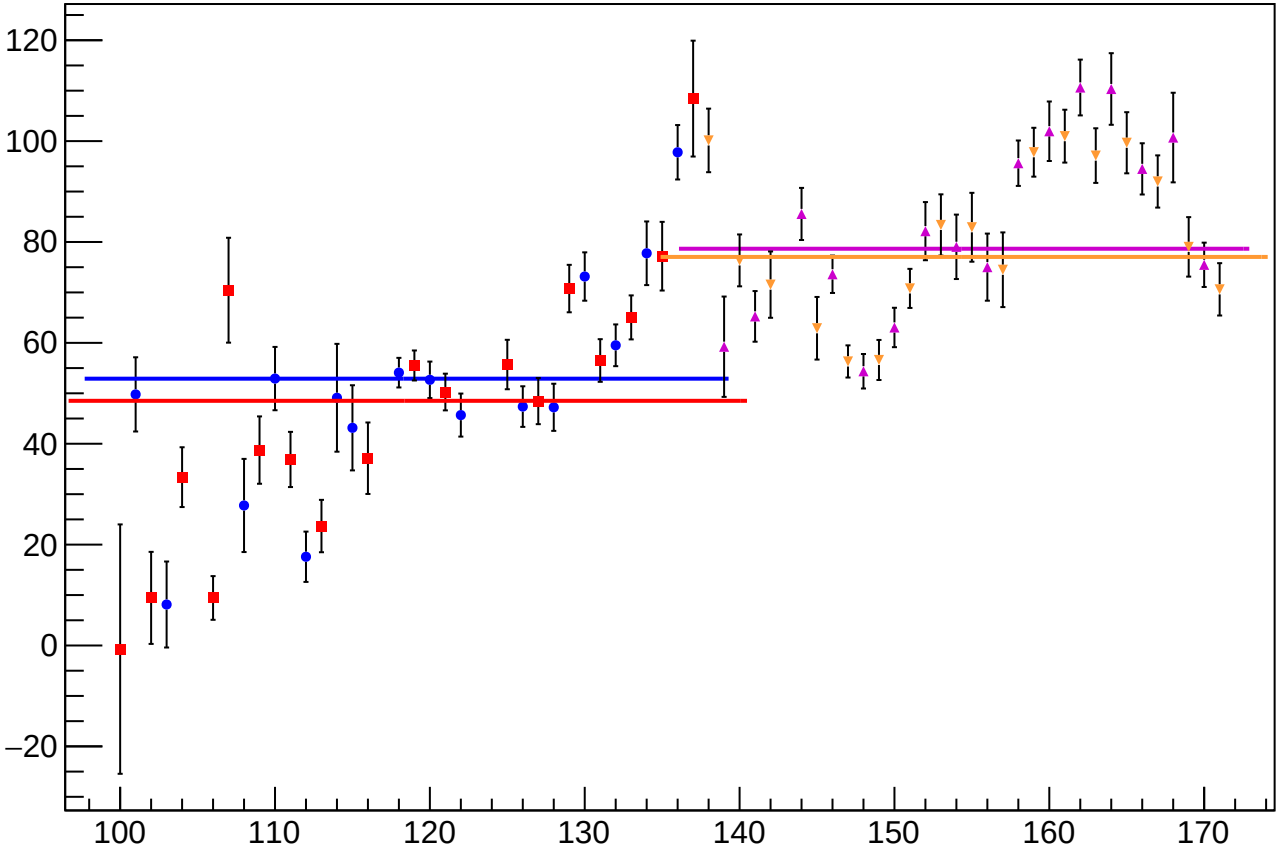
Left In: 245.132+/-1.543 χ^2/NDF:399.7/15

+ sign 218.290+/-0.958 χ^2/NDF: 3319.4/32

All: 210.616+/-0.663 χ^2/NDF: 11314.2/66

- sign 203.556+/-0.919 χ^2/NDF: 7871.5/33

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.036+/-1.239 χ^2/NDF:169.6/16

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

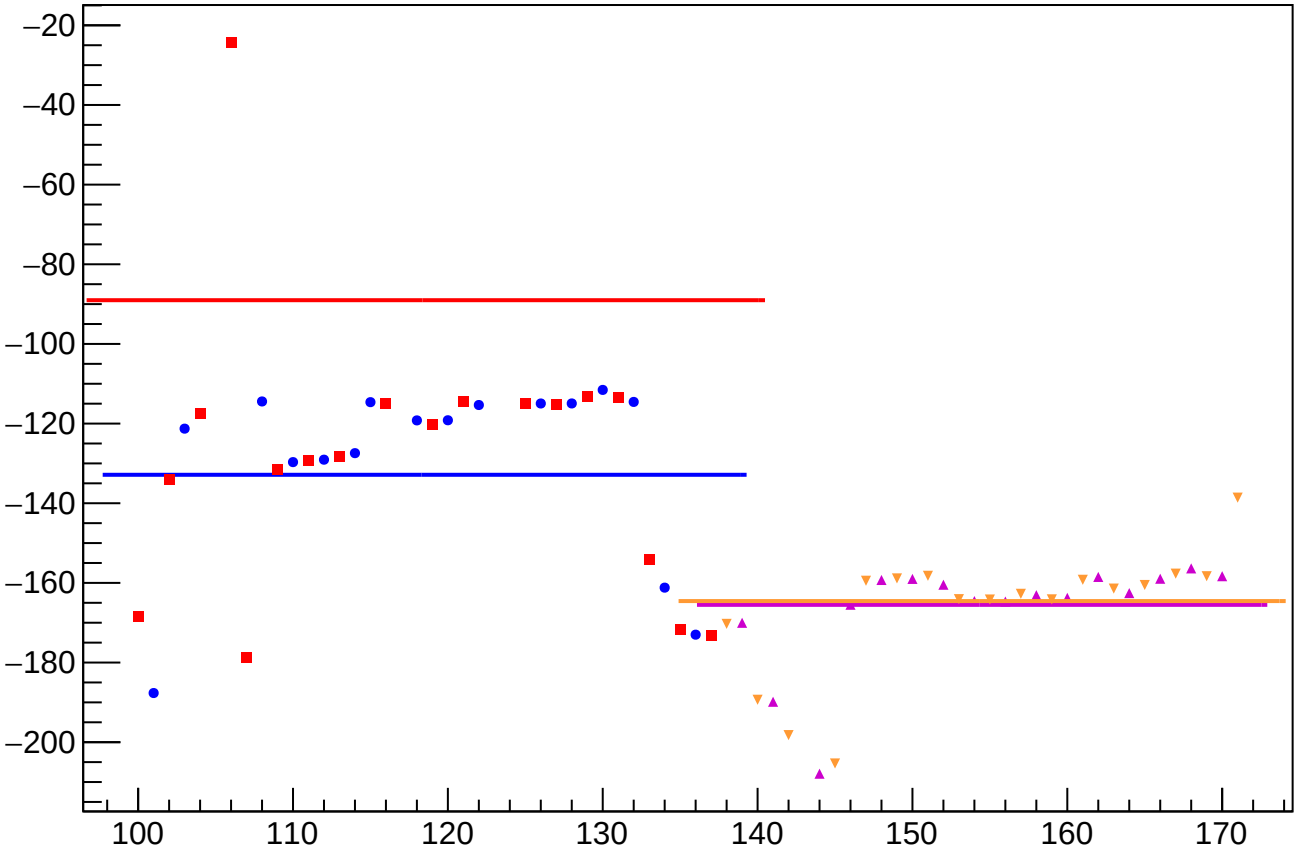
Left In: 78.662+/-1.268 χ^2/NDF:181.2/15

+ sign 64.988+/-0.877 χ^2/NDF: 557.2/32

All: 63.961+/-0.620 χ^2/NDF: 1276.1/66

- sign 62.936+/-0.877 χ^2/NDF: 716.2/33

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -164.564+/-0.059 χ^2/NDF:64515.1/16

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

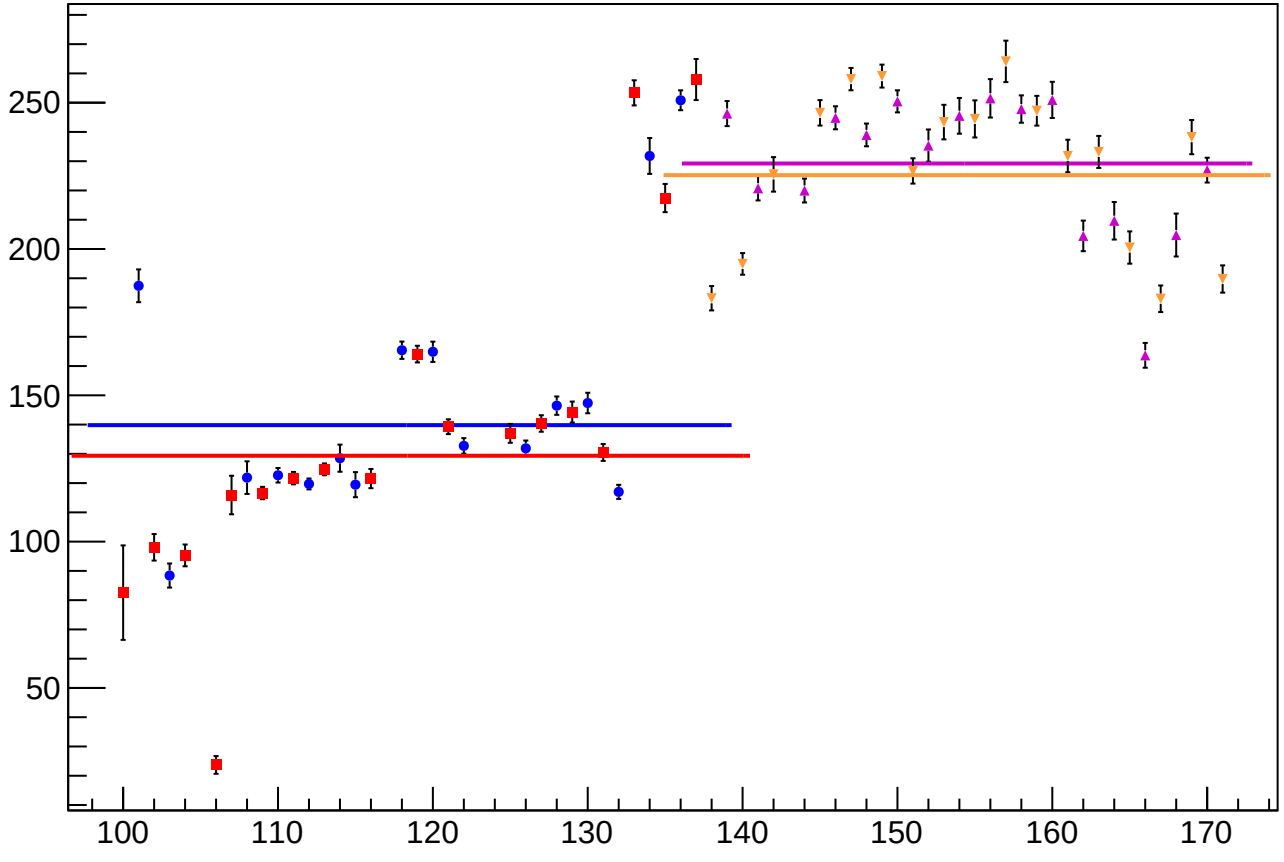
Left In: -165.510+/-0.059 χ^2/NDF:40684.5/15

+ sign -153.735+/-0.048 χ^2/NDF: 258042.5/32

All: -141.142+/-0.032 χ^2/NDF: 1929487.0/66

- sign -130.703+/-0.043 χ^2/NDF: 1543135.0/33

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 225.242+/-1.167 χ^2/NDF:582.7/16

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

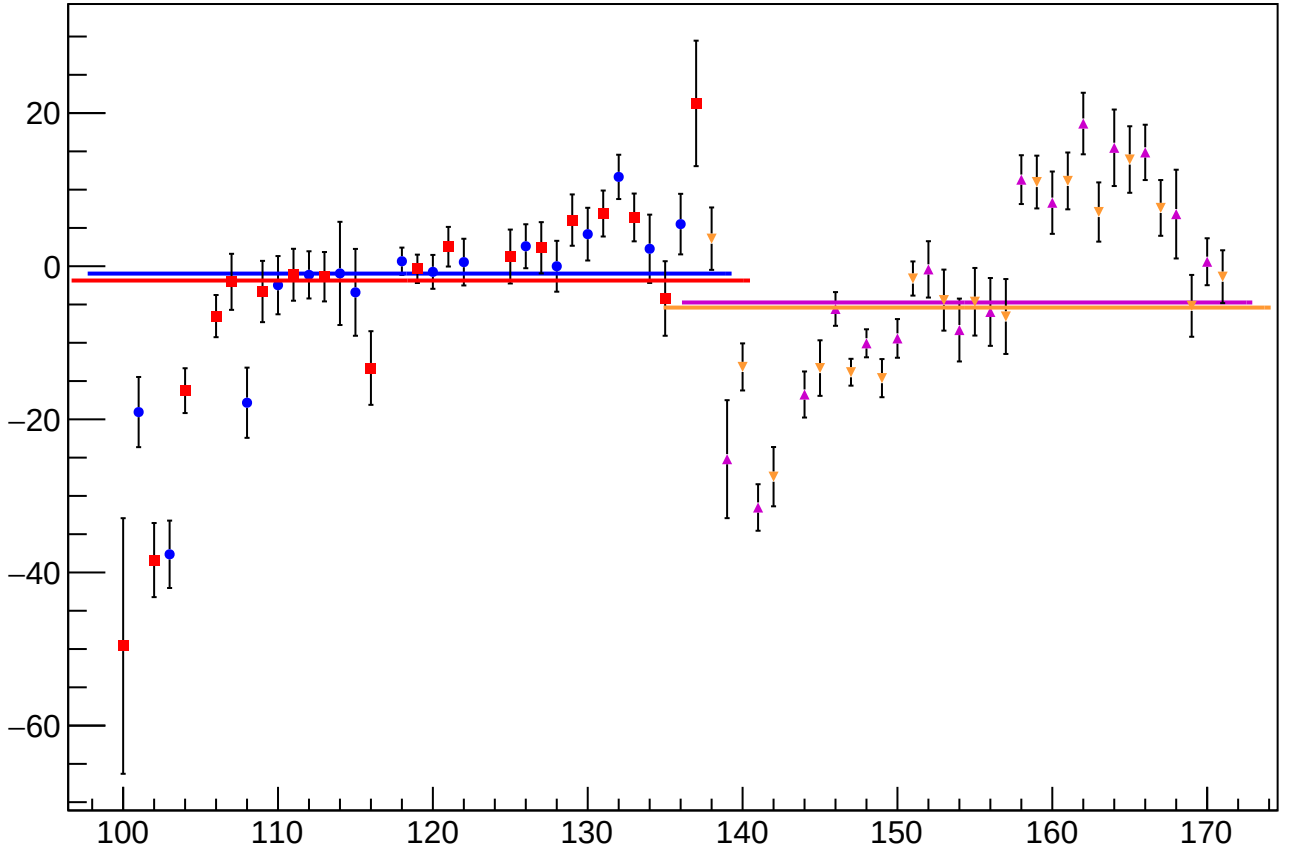
Left In: 229.219+/-1.179 χ^2/NDF:409.0/15

+ sign 166.407+/-0.651 χ^2/NDF: 6239.0/32

All: 161.627+/-0.450 χ^2/NDF: 15043.9/66

- sign 157.247+/-0.623 χ^2/NDF: 8701.6/33

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.401+/-0.779 χ^2/NDF:175.3/16

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

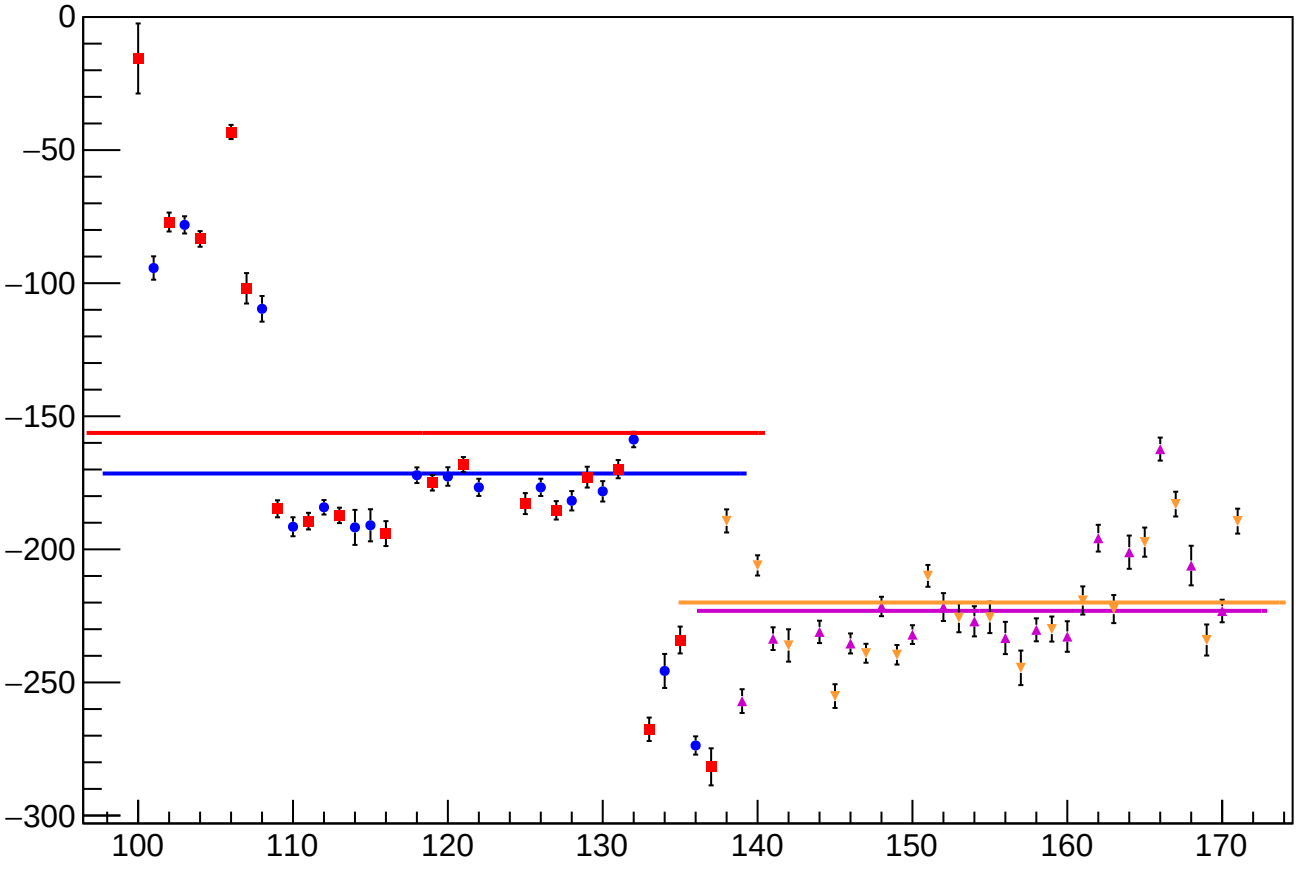
Left In: -4.735+/-0.802 χ^2/NDF:237.2/15

+ sign -3.265+/-0.561 χ^2/NDF: 317.0/32

All: -3.267+/-0.396 χ^2/NDF: 693.9/66

- sign -3.268+/-0.561 χ^2/NDF: 376.9/33

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -219.967+/-1.140 χ^2/NDF:345.8/16

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

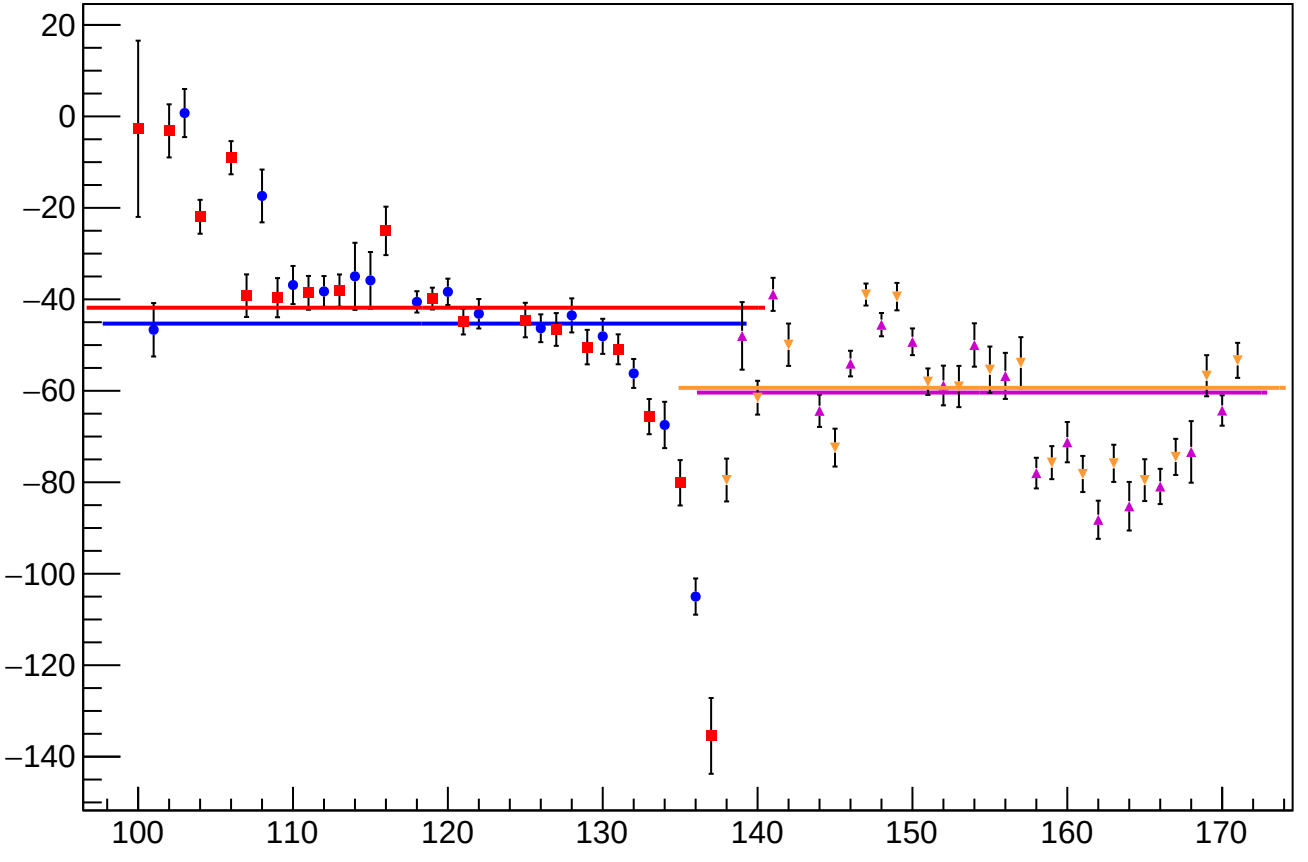
Left In: -223.109+/-1.147 χ^2/NDF:338.2/15

+ sign -190.290+/-0.710 χ^2/NDF: 3895.6/32

All: -184.862+/-0.492 χ^2/NDF: 11447.5/66

- sign -179.855+/-0.682 χ^2/NDF: 7439.3/33

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.352+/-0.921 χ^2/NDF:247.6/16

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

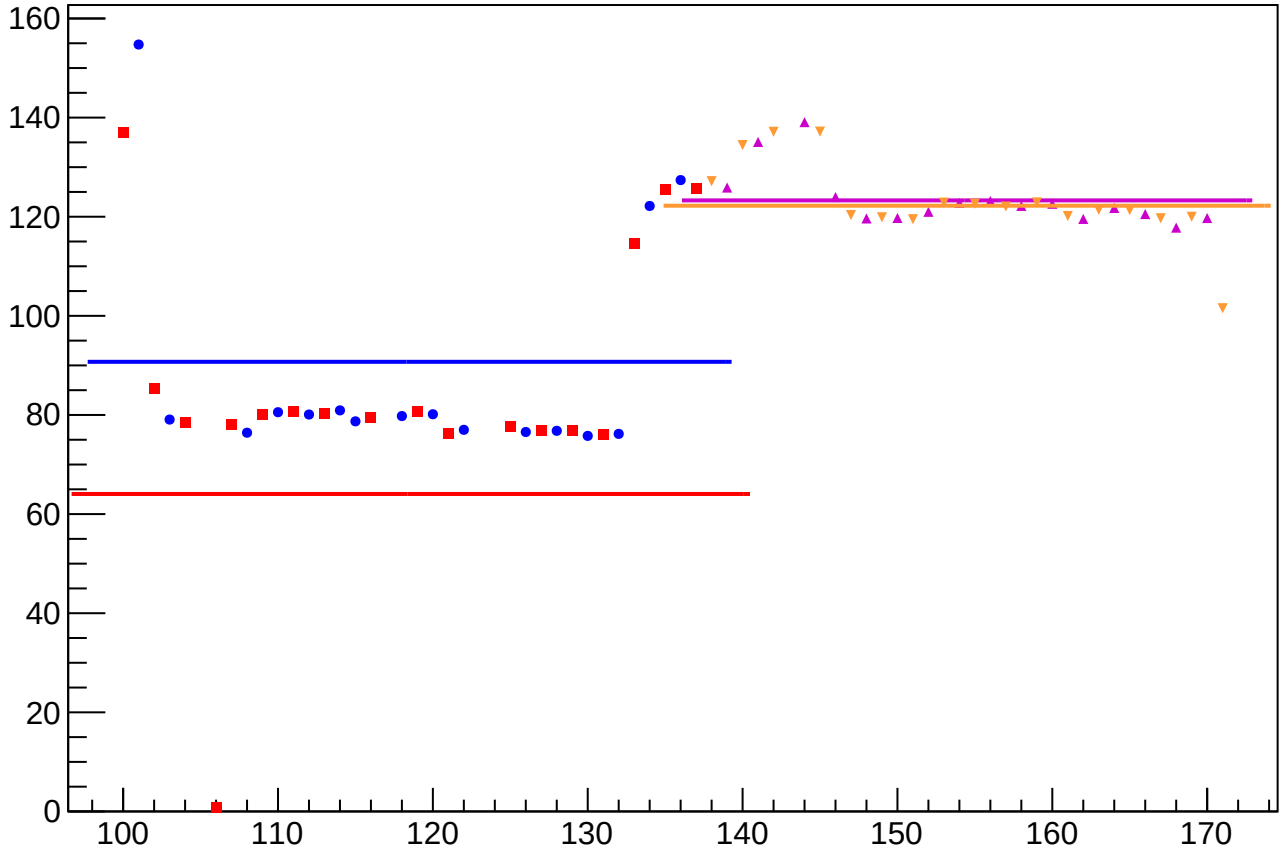
Left In: -60.380+/-0.943 χ^2/NDF:231.8/15

+ sign -52.451+/-0.657 χ^2/NDF: 743.8/32

All: -51.605+/-0.464 χ^2/NDF: 1593.6/66

- sign -50.766+/-0.655 χ^2/NDF: 846.4/33

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 122.220+/-0.044 χ^2/NDF:35189.8/16

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

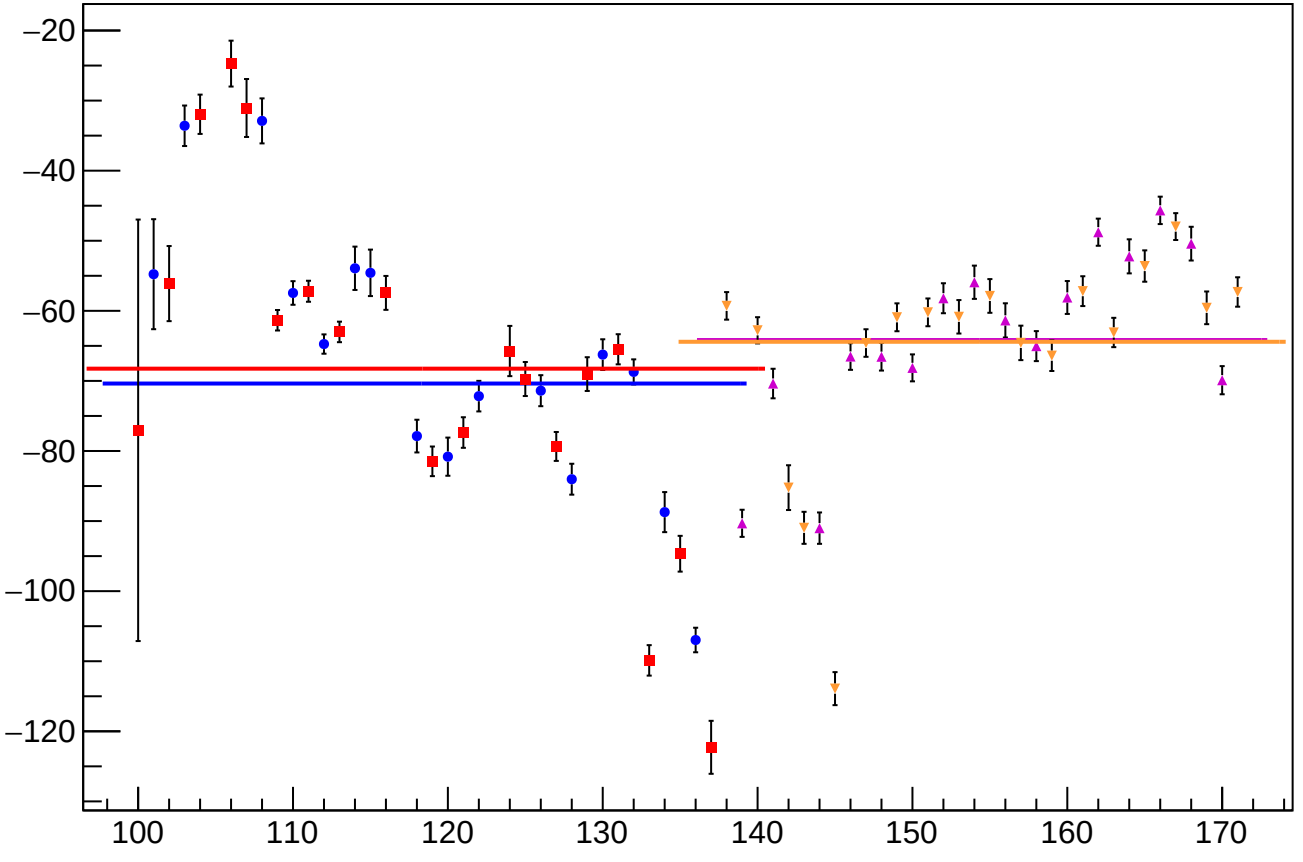
Left In: 123.296+/-0.044 χ^2/NDF:15071.6/15

+ sign 110.990+/-0.035 χ^2/NDF: 382931.2/32

All: 103.663+/-0.024 χ^2/NDF: 1950430.7/66

- sign 97.244+/-0.033 χ^2/NDF: 1484927.5/33

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.416+/-0.511 χ^2/NDF:769.2/17

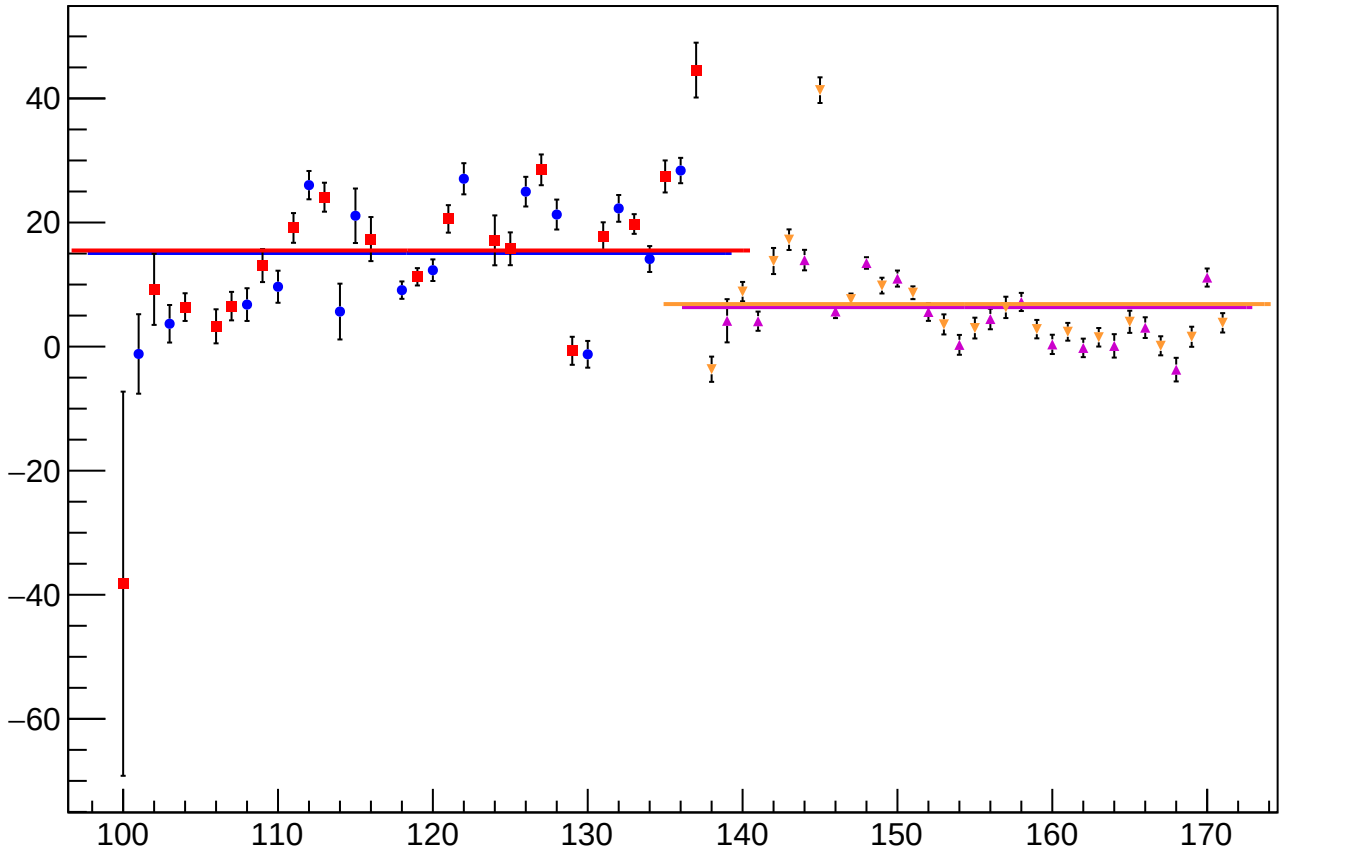
Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.168+/-0.529 χ^2/NDF:588.0/15

+ sign -67.133+/-0.377 χ^2/NDF: 1806.2/33

All: -66.671+/-0.265 χ^2/NDF: 3733.1/68

- sign -66.218+/-0.373 χ^2/NDF: 1924.0/34



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.853+/-0.348 χ^2/NDF:441.0/17

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

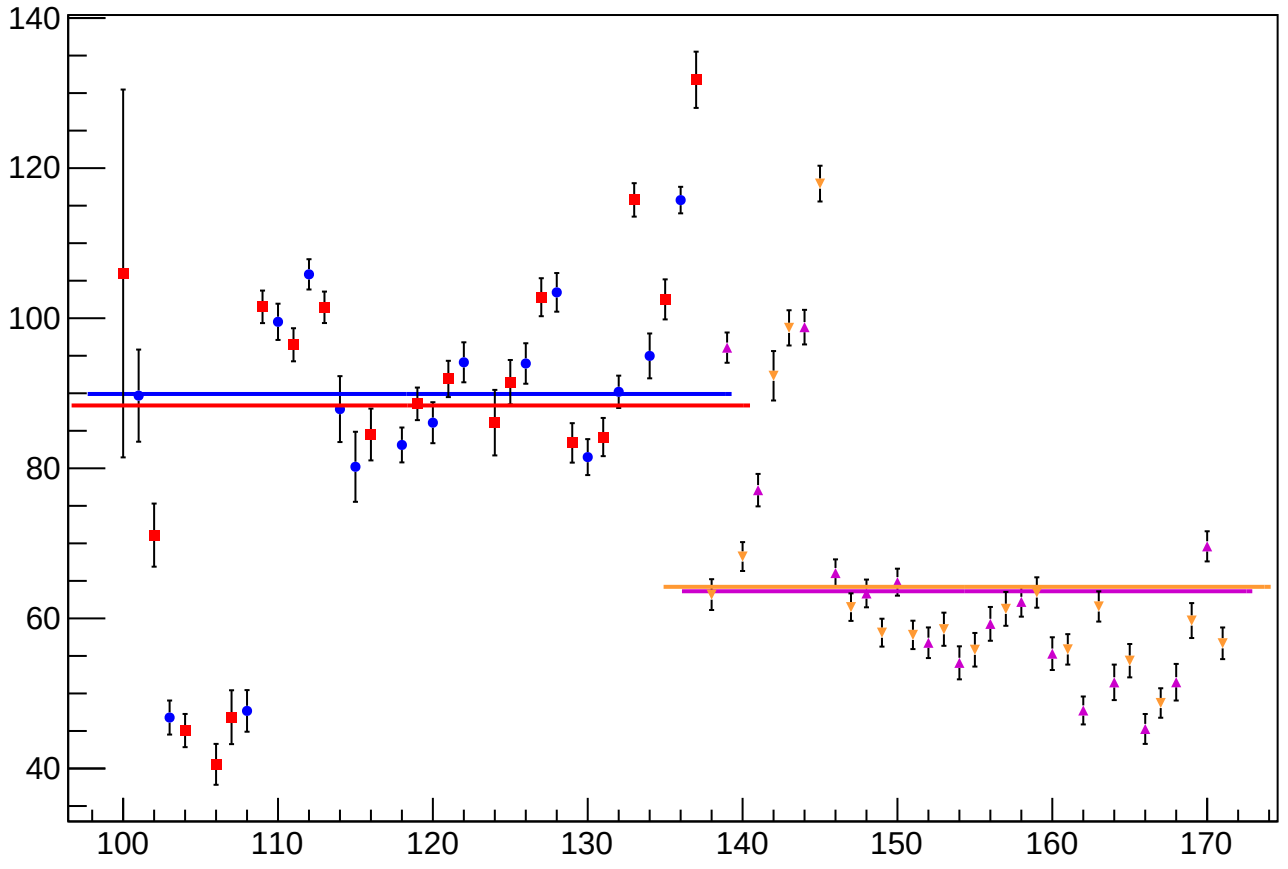
Left In: 6.363+/-0.367 χ^2/NDF:199.2/15

\+ sign 9.030+/-0.299 χ^2/NDF: 831.5/33

All: 9.071+/-0.214 χ^2/NDF: 1456.8/68

\- sign 9.114+/-0.306 χ^2/NDF: 625.3/34

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.209+/-0.498 χ^2/NDF:965.2/17

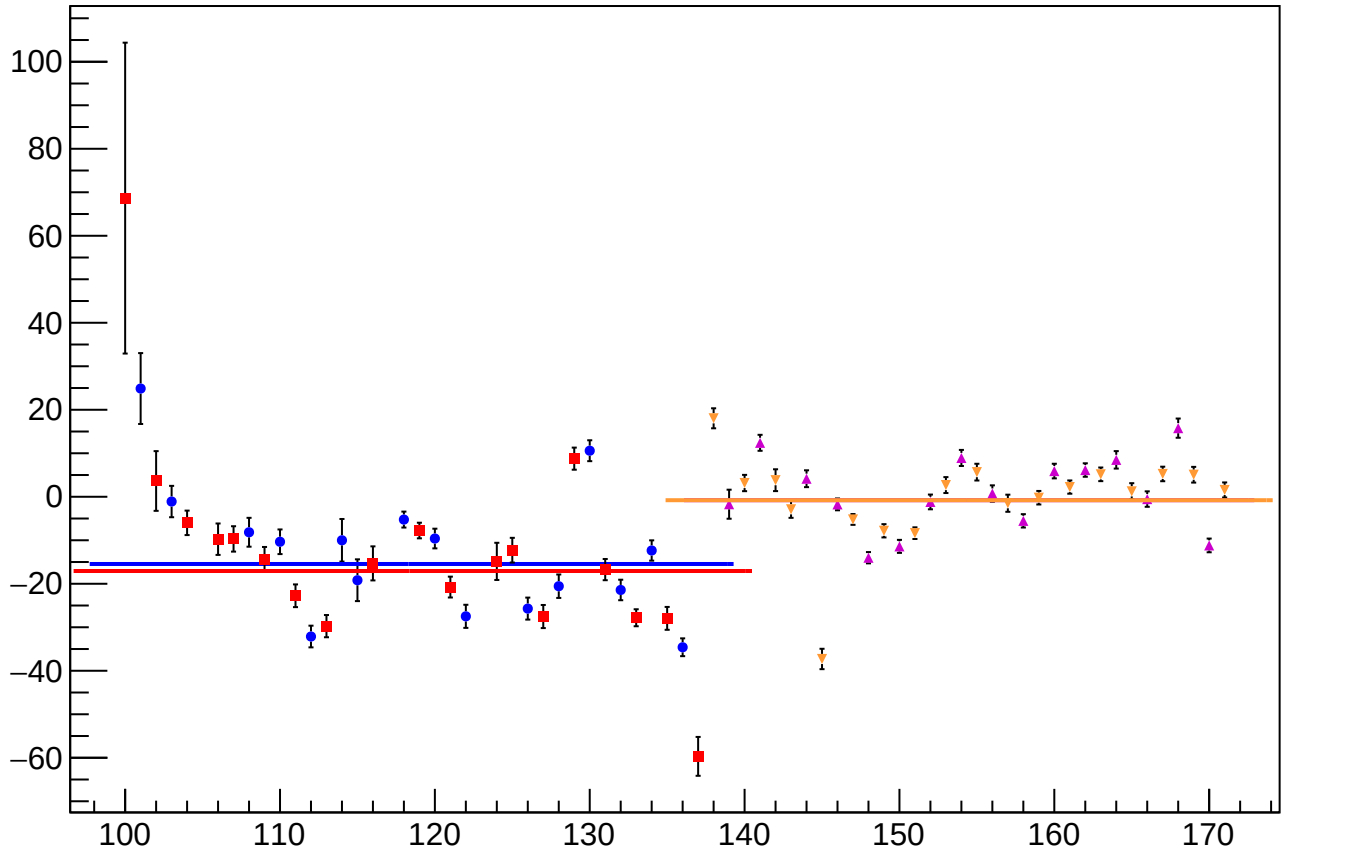
Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.618+/-0.513 χ^2/NDF:799.7/15

+ sign 73.894+/-0.393 χ^2/NDF: 2915.4/33

All: 73.814+/-0.279 χ^2/NDF: 5954.8/68

- sign 73.734+/-0.395 χ^2/NDF: 3039.4/34



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.793+/-0.406 χ^2/NDF:444.8/17

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

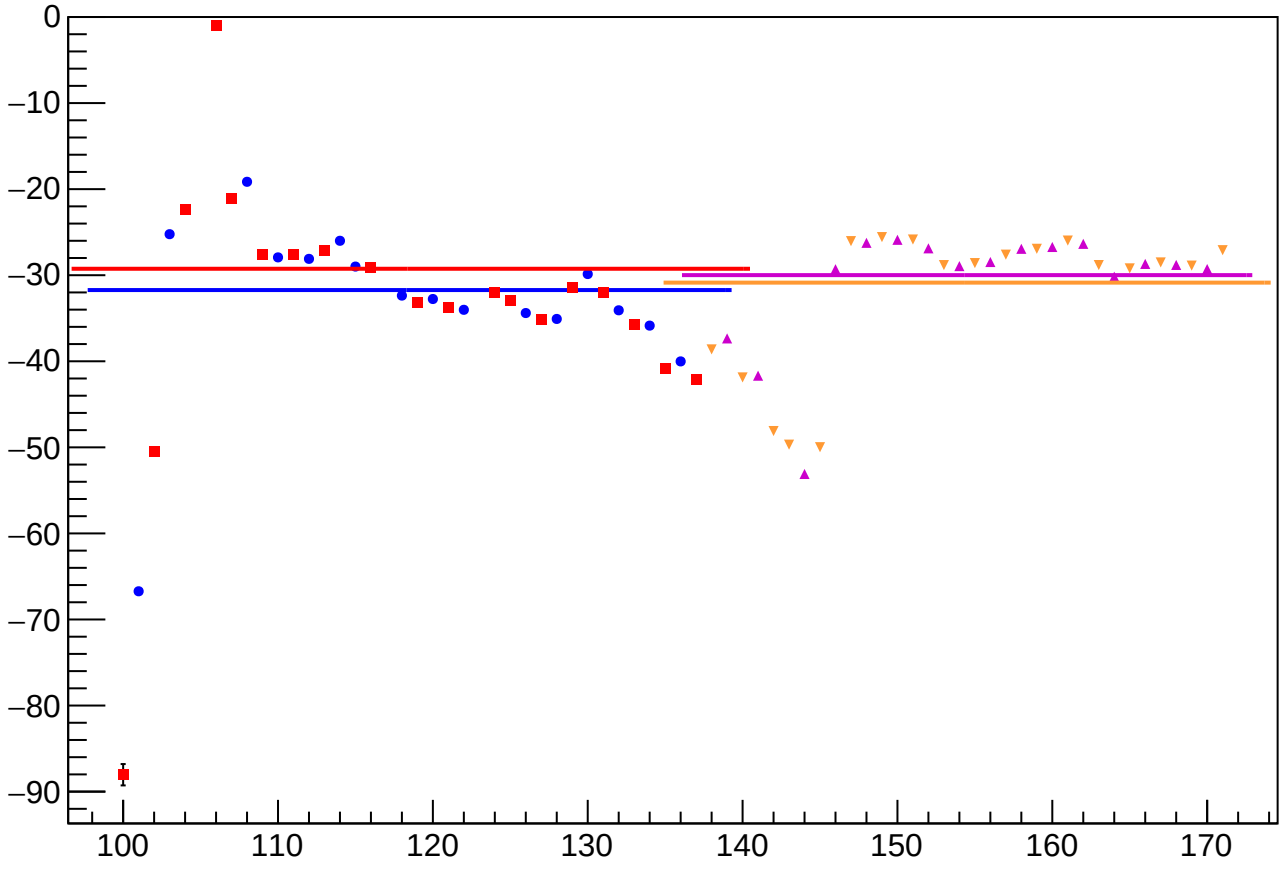
Left In: -0.789+/-0.425 χ^2/NDF:407.9/15

+ sign -4.768+/-0.347 χ^2/NDF: 1185.1/33

All: -5.242+/-0.248 χ^2/NDF: 2402.8/68

- sign -5.739+/-0.355 χ^2/NDF: 1213.9/34

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.861+/-0.019 χ^2/NDF:150411.4/17

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

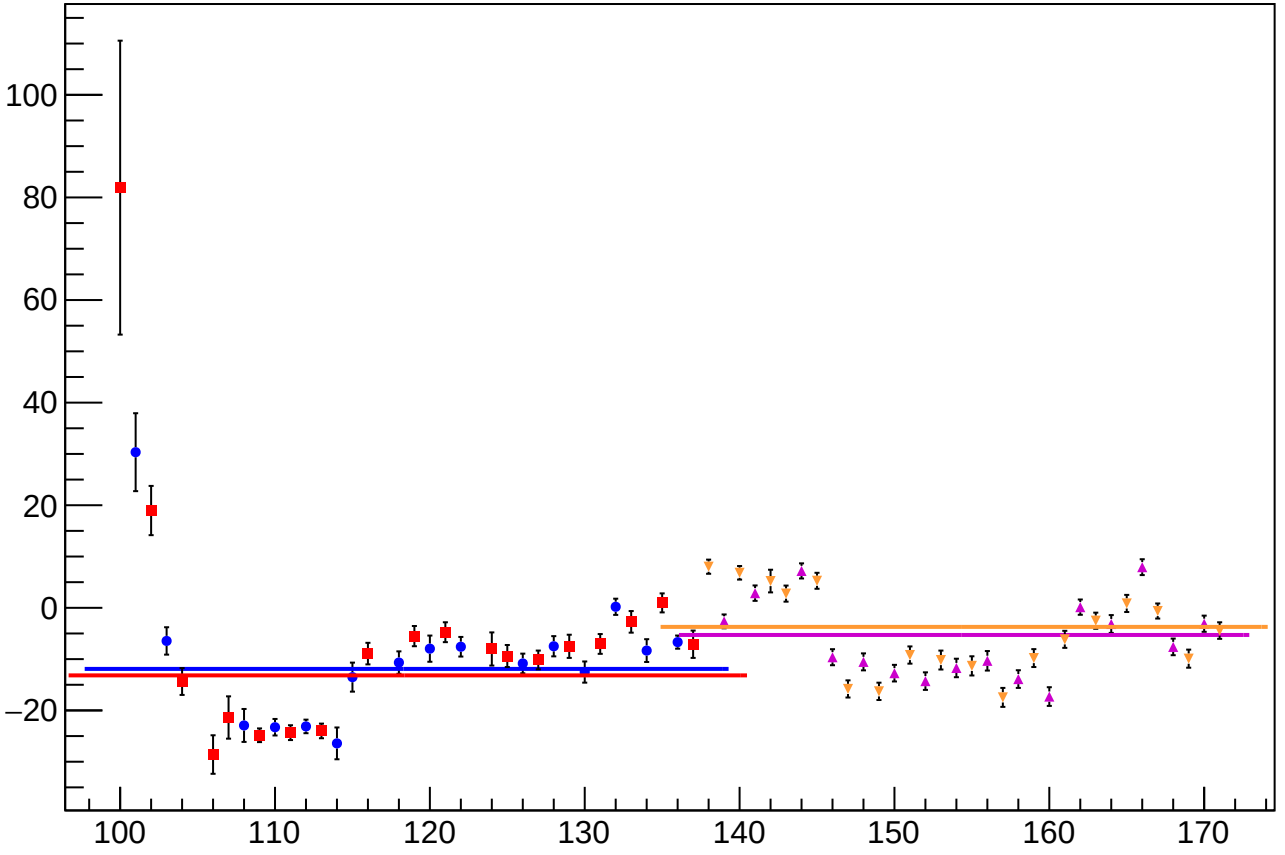
Left In: -29.989+/-0.019 χ^2/NDF:93385.3/15

+ sign -31.026+/-0.017 χ^2/NDF: 190454.9/33

All: -30.446+/-0.012 χ^2/NDF: 381803.1/68

- sign -29.842+/-0.017 χ^2/NDF: 188917.4/34

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.716+/-0.387 χ^2/NDF:444.2/17

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

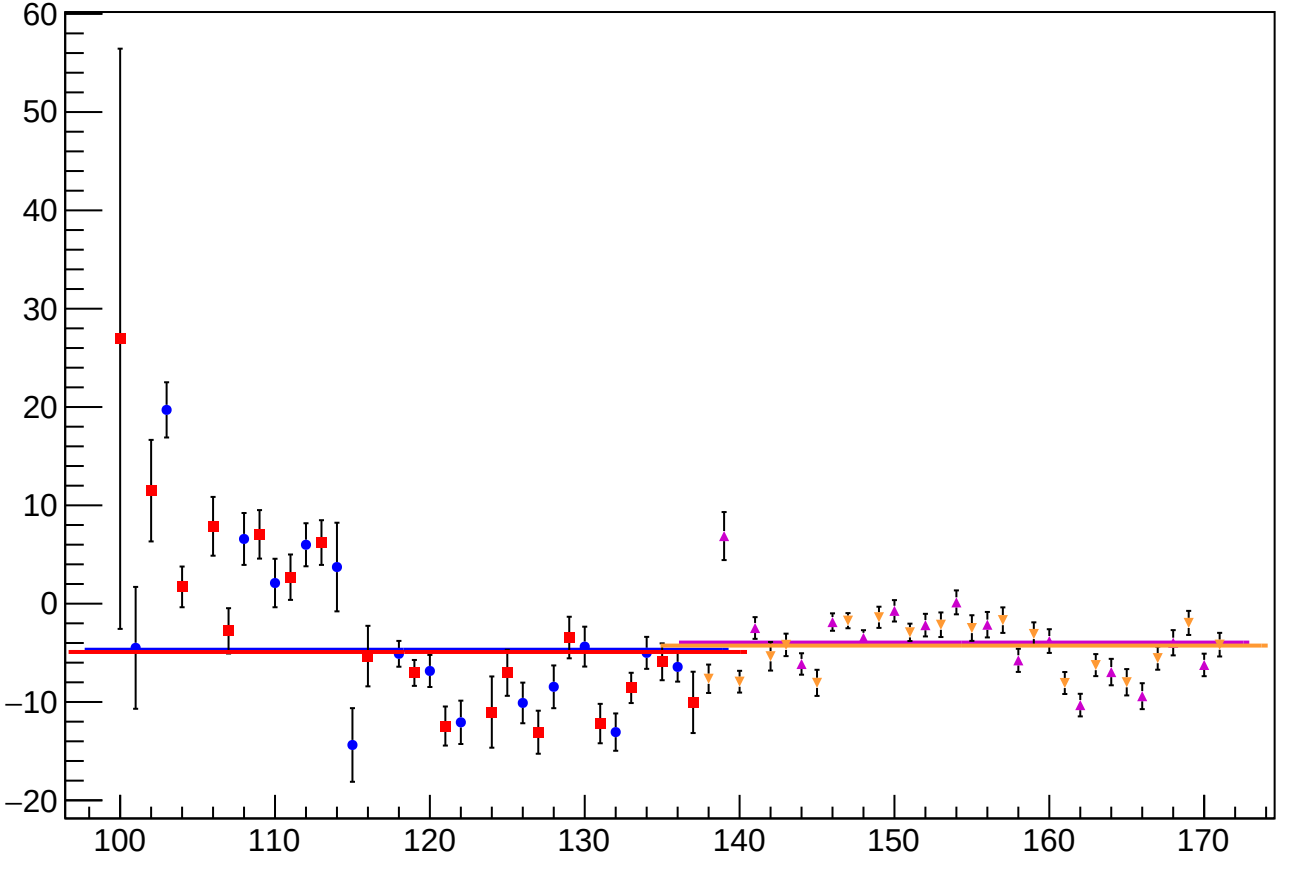
Left In: -5.290+/-0.403 χ^2/NDF:351.6/15

+ sign -6.809+/-0.305 χ^2/NDF: 895.5/33

All: -7.668+/-0.217 χ^2/NDF: 1842.6/68

- sign -8.548+/-0.309 χ^2/NDF: 931.1/34

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.263+/-0.270 χ^2/NDF:82.4/17

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

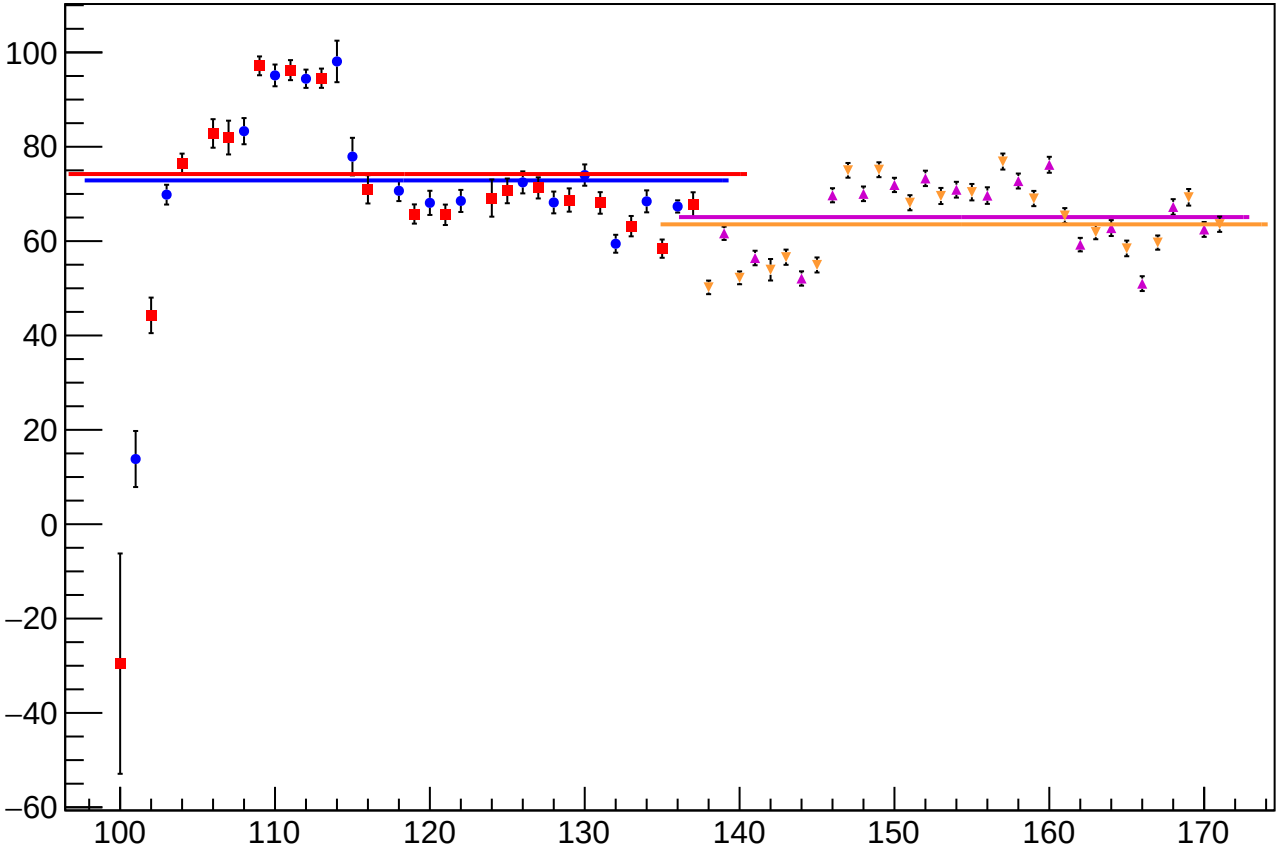
Left In: -3.958+/-0.285 χ^2/NDF:114.8/15

+ sign -4.354+/-0.239 χ^2/NDF: 261.9/33

All: -4.272+/-0.173 χ^2/NDF: 535.5/68

- sign -4.184+/-0.249 χ^2/NDF: 273.3/34

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.555+/-0.380 χ^2/NDF:467.0/17

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

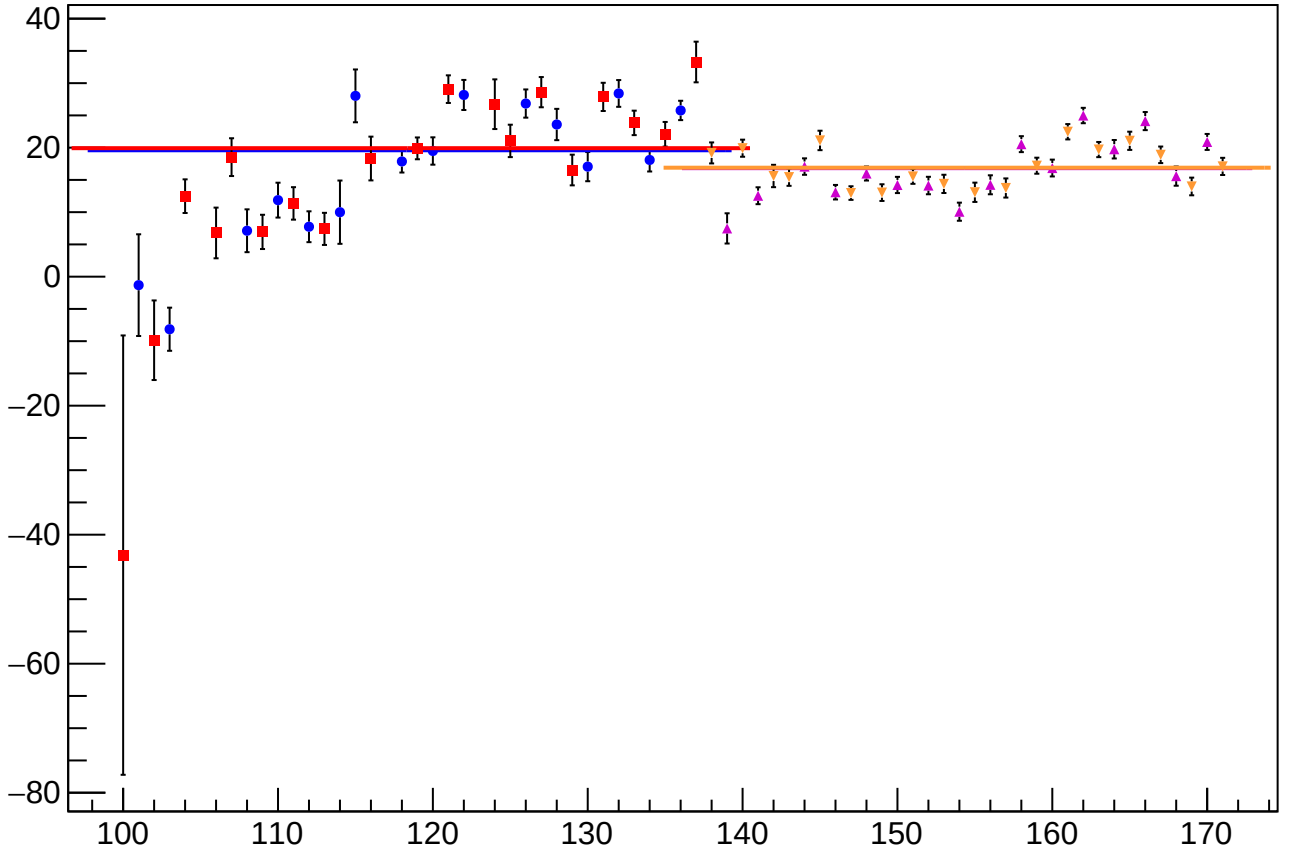
Left In: 65.094+/-0.393 χ^2/NDF:364.5/15

+ sign 66.448+/-0.315 χ^2/NDF: 1104.6/33

All: 67.250+/-0.225 χ^2/NDF: 2245.5/68

- sign 68.088+/-0.322 χ^2/NDF: 1127.6/34

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.893+/-0.313 χ^2/NDF:98.5/17

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

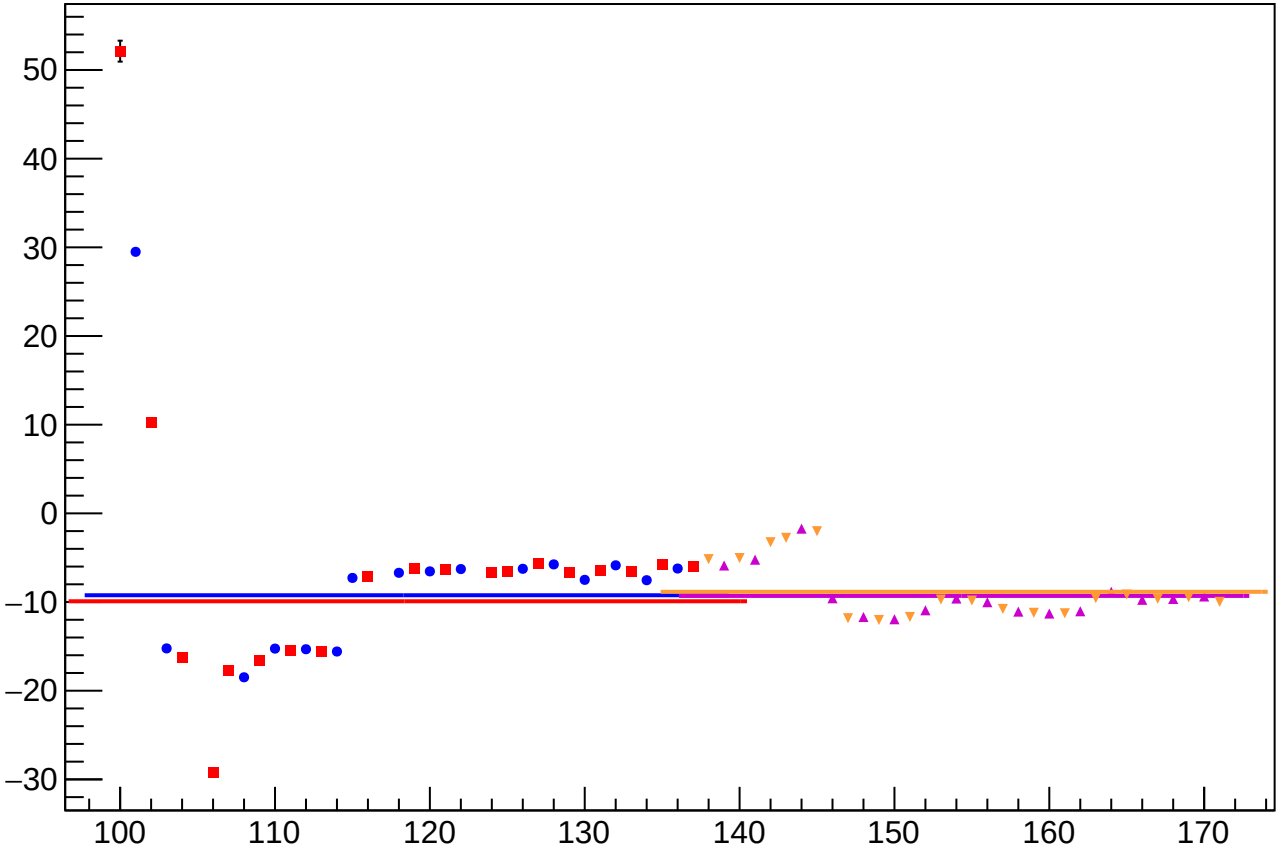
Left In: 16.822+/-0.330 χ^2/NDF:171.2/15

+ sign 17.495+/-0.276 χ^2/NDF: 311.1/33

All: 17.530+/-0.199 χ^2/NDF: 684.9/68

- sign 17.568+/-0.287 χ^2/NDF: 373.7/34

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.846+/-0.014 χ^2/NDF:44513.4/17

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

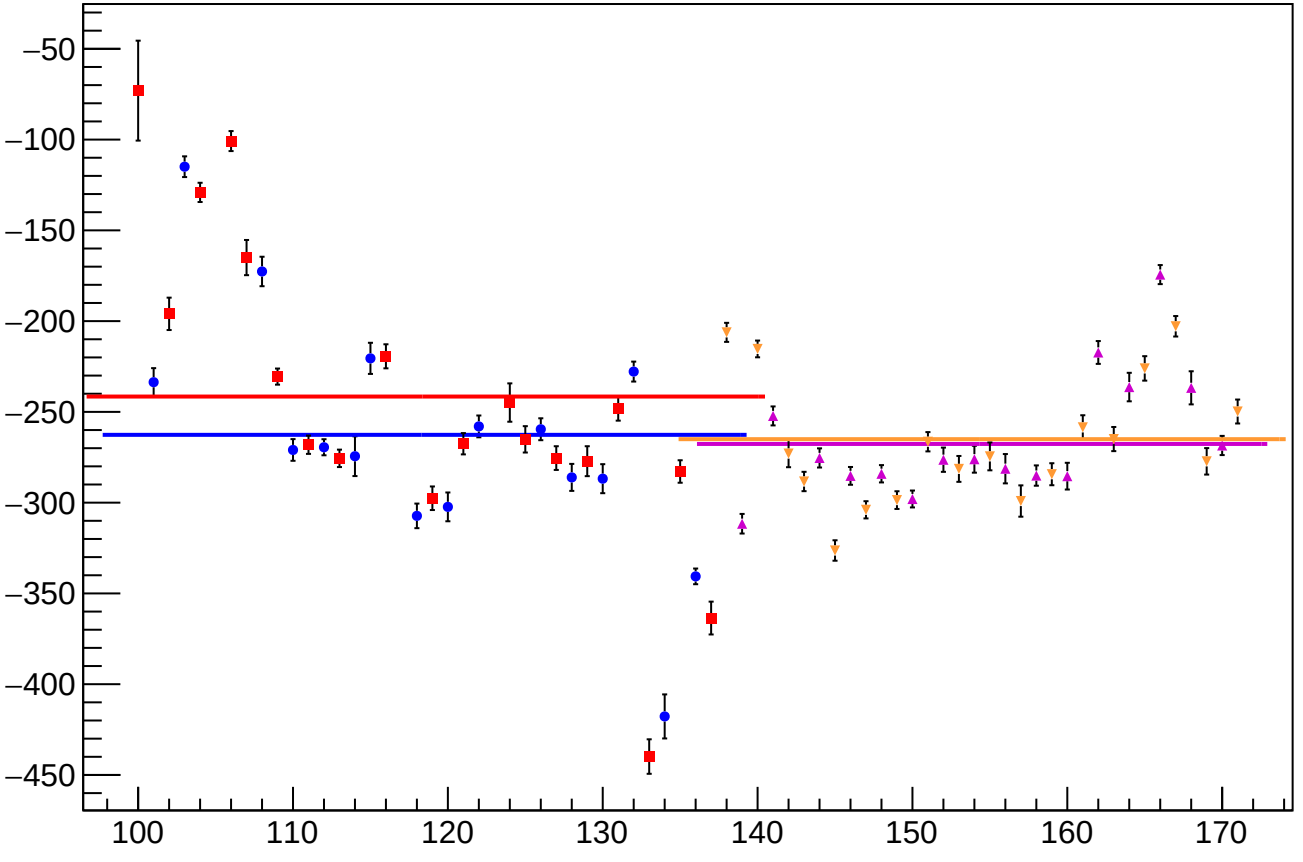
Left In: -9.310+/-0.015 χ^2/NDF:28972.6/15

+ sign -8.907+/-0.013 χ^2/NDF: 75790.7/33

All: -9.147+/-0.009 χ^2/NDF: 159582.4/68

- sign -9.402+/-0.013 χ^2/NDF: 83095.1/34

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.029+/-1.404 χ^2/NDF:692.1/17

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

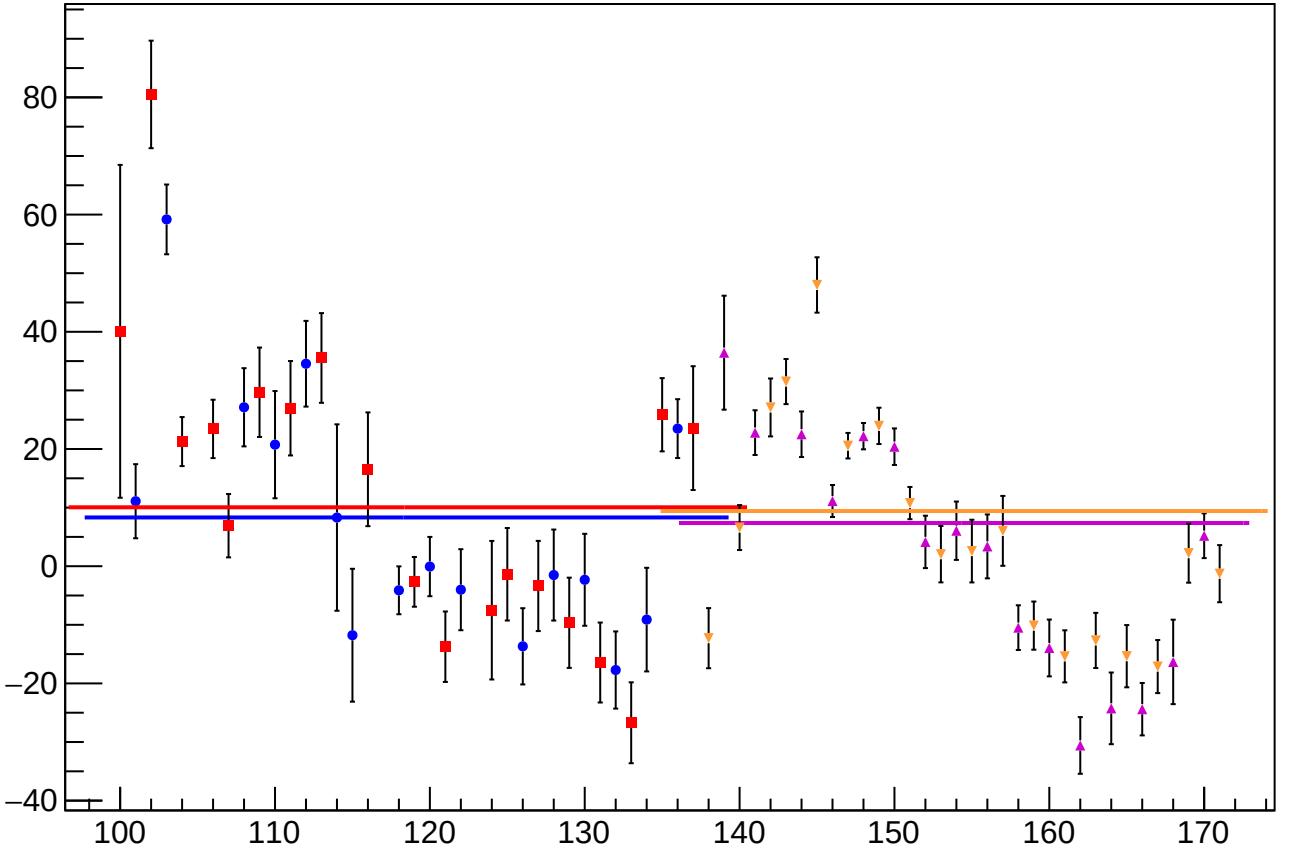
Left In: -267.665+/-1.458 χ^2/NDF:573.0/15

\+ sign -264.001+/-1.059 χ^2/NDF: 2147.7/33

All: -259.466+/-0.745 χ^2/NDF: 5050.7/68

\- sign -255.031+/-1.048 χ^2/NDF: 2866.7/34

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 9.414+/-0.939 χ^2/NDF:322.4/17

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

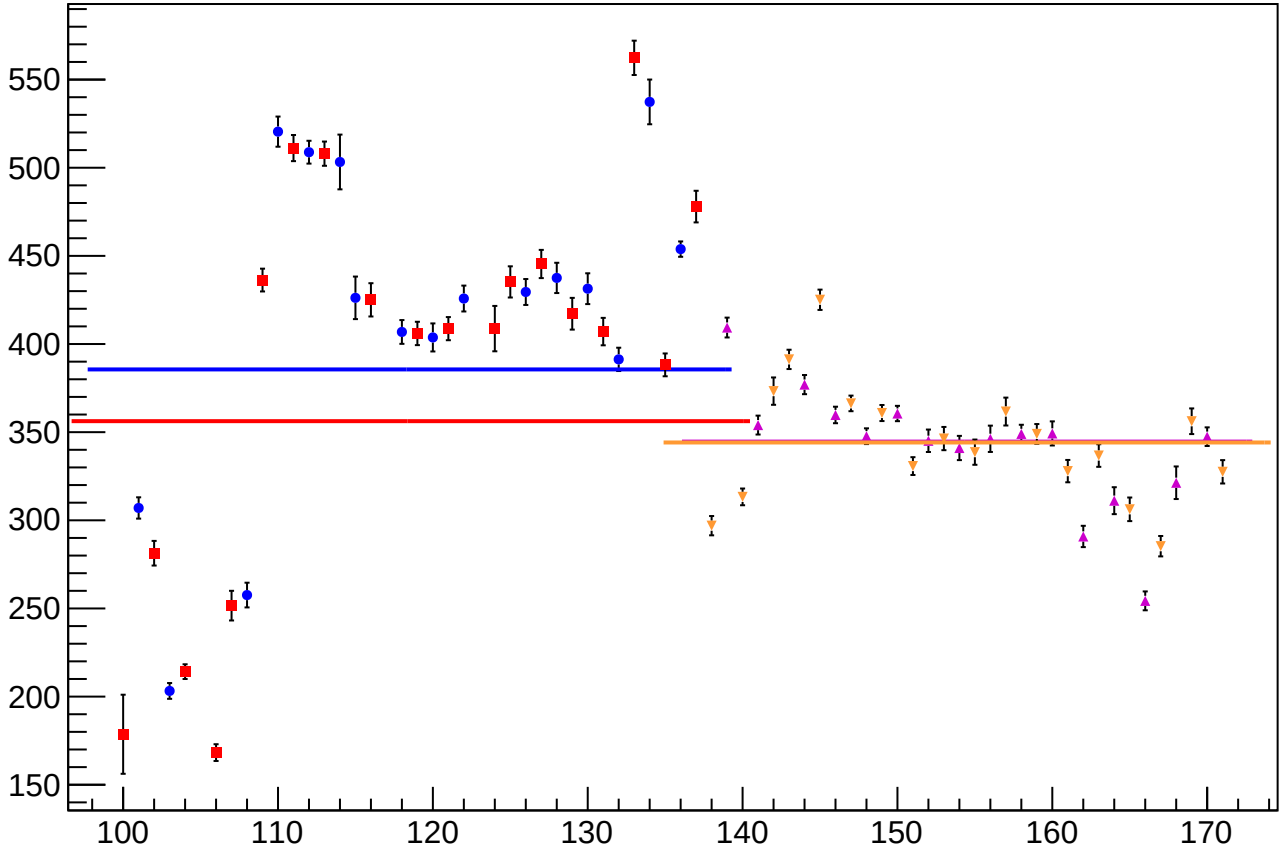
Left In: 7.372+/-0.989 χ^2/NDF:295.6/15

+ sign 9.145+/-0.816 χ^2/NDF: 480.4/33

All: 8.660+/-0.582 χ^2/NDF: 966.3/68

- sign 8.155+/-0.832 χ^2/NDF: 485.2/34

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.151+/-1.374 χ^2/NDF:606.9/17

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

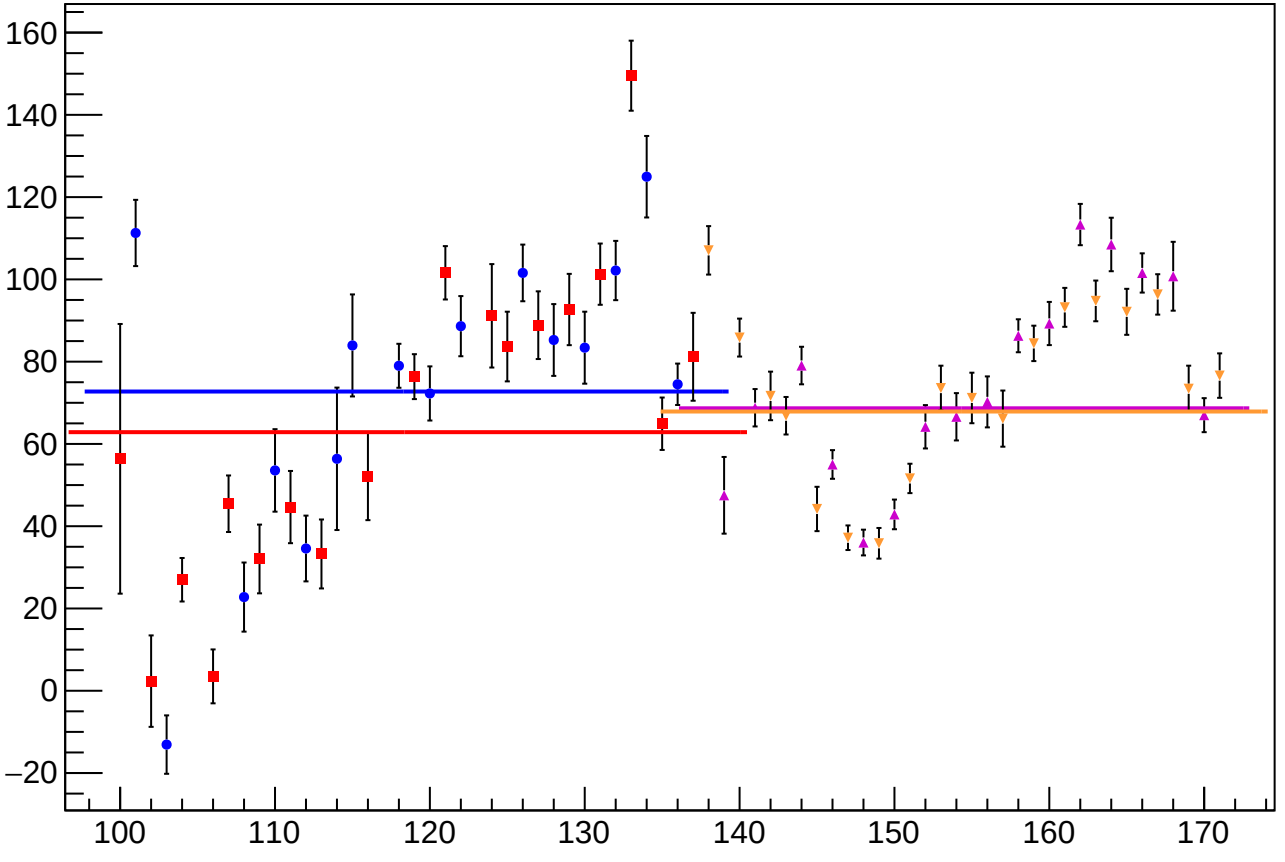
Left In: 344.653+/-1.416 χ^2/NDF:586.3/15

\+ sign 360.037+/-1.079 χ^2/NDF: 4328.8/33

All: 354.786+/-0.761 χ^2/NDF: 10261.0/68

\- sign 349.583+/-1.074 χ^2/NDF: 5885.0/34

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 67.883+/-1.111 χ^2/NDF:409.5/17

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

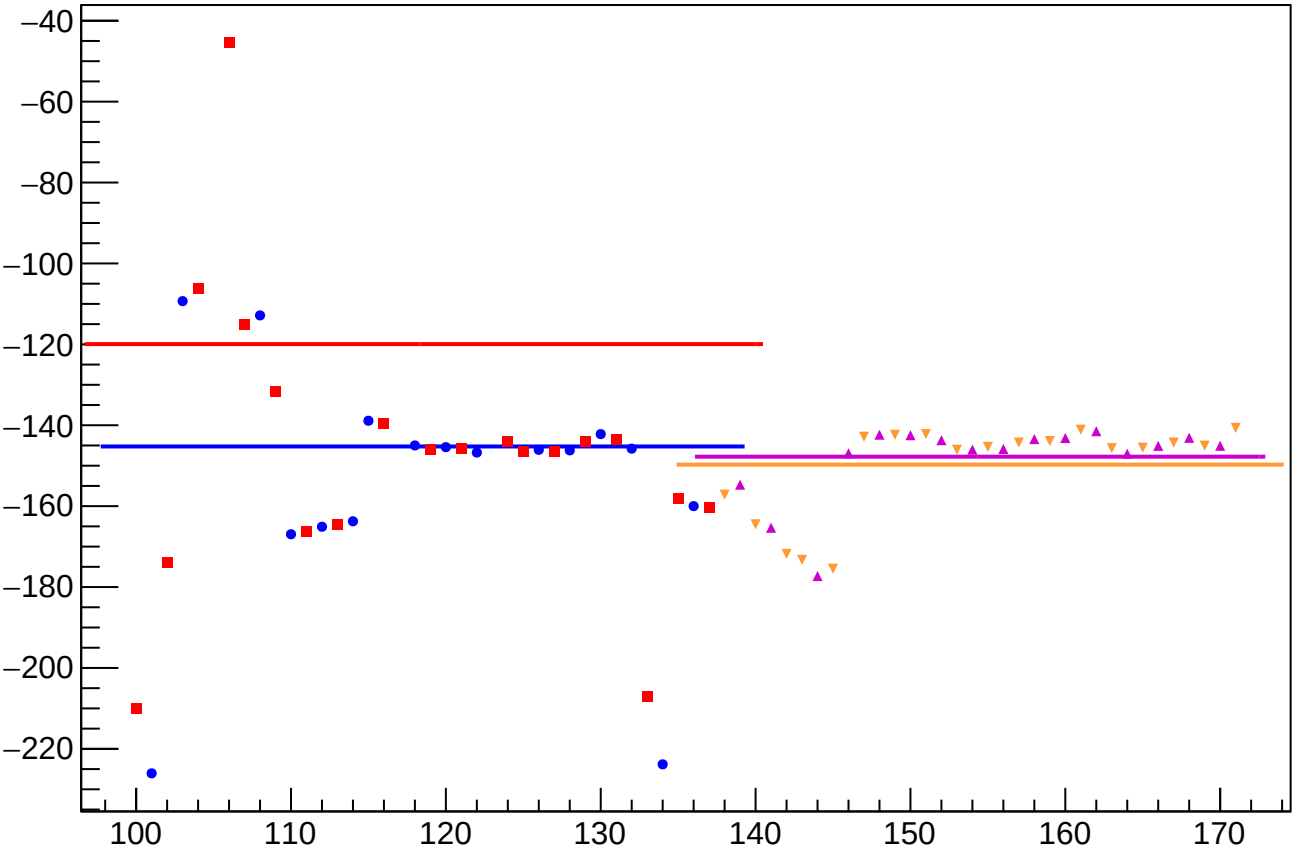
Left In: 68.662+/-1.162 χ^2/NDF:400.6/15

+ sign 69.124+/-0.959 χ^2/NDF: 718.7/33

All: 68.055+/-0.684 χ^2/NDF: 1532.7/68

- sign 66.949+/-0.976 χ^2/NDF: 811.5/34

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.736+/-0.053 χ^2/NDF:44938.3/17

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

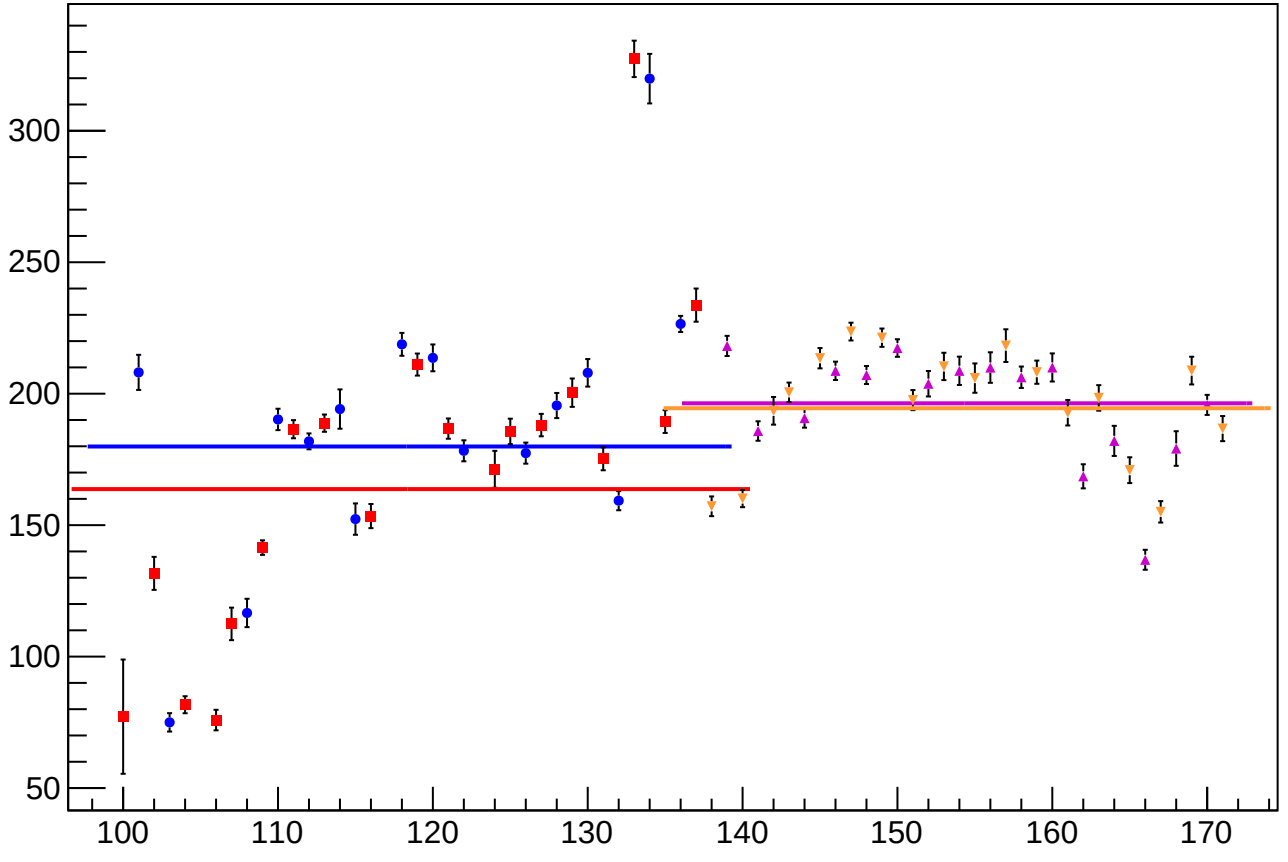
Left In: -147.767+/-0.054 χ^2/NDF:26881.6/15

+ sign -148.733+/-0.046 χ^2/NDF: 178614.6/33

All: -144.485+/-0.033 χ^2/NDF: 563990.5/68

- sign -140.314+/-0.046 χ^2/NDF: 368817.1/34

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 194.472+/-1.004 χ^2/NDF:535.4/17

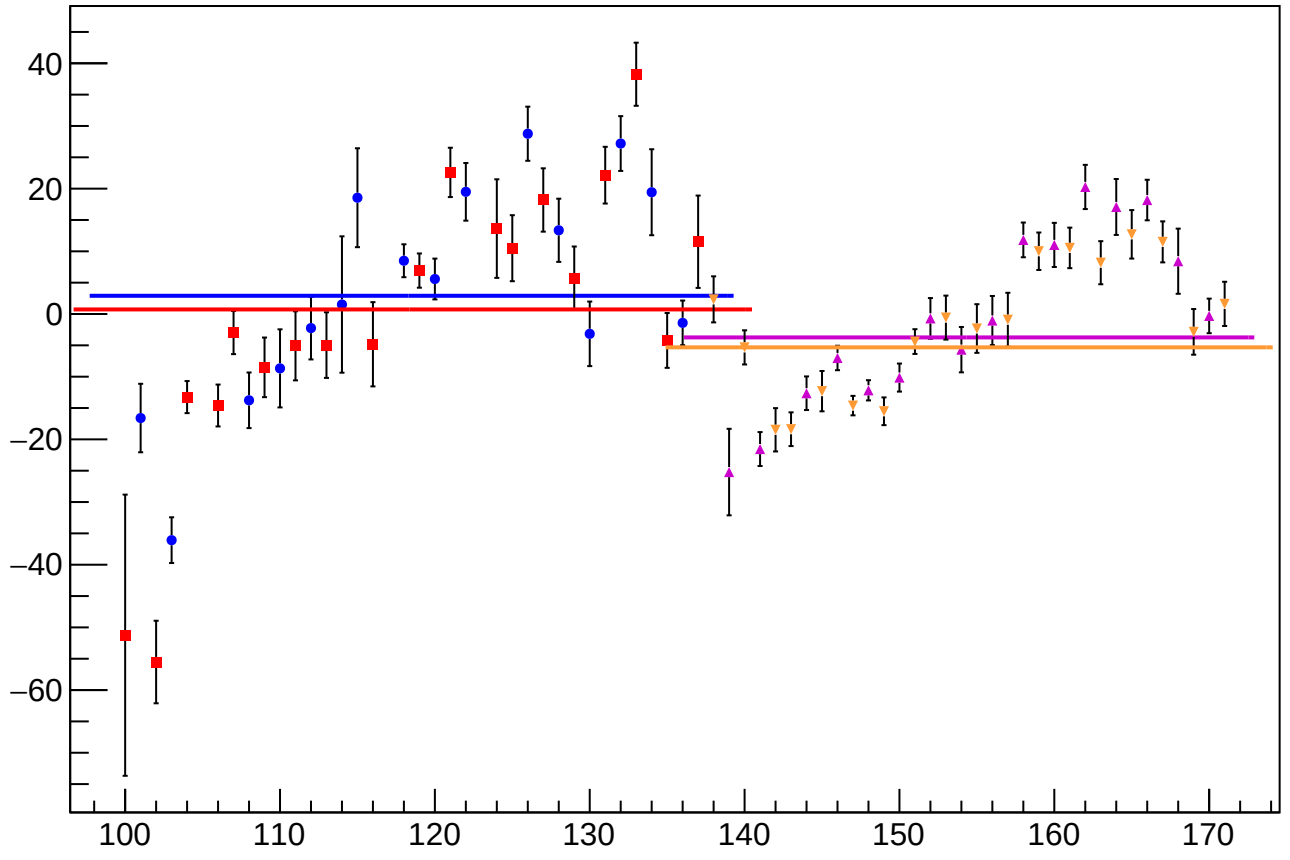
Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 196.346+/-1.046 χ^2/NDF:426.0/15

\+ sign 187.779+/-0.738 χ^2/NDF: 2364.7/33

All: 183.460+/-0.517 χ^2/NDF: 5782.8/68

\- sign 179.318+/-0.723 χ^2/NDF: 3351.1/34



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.318+/-0.672 χ^2/NDF:226.3/17

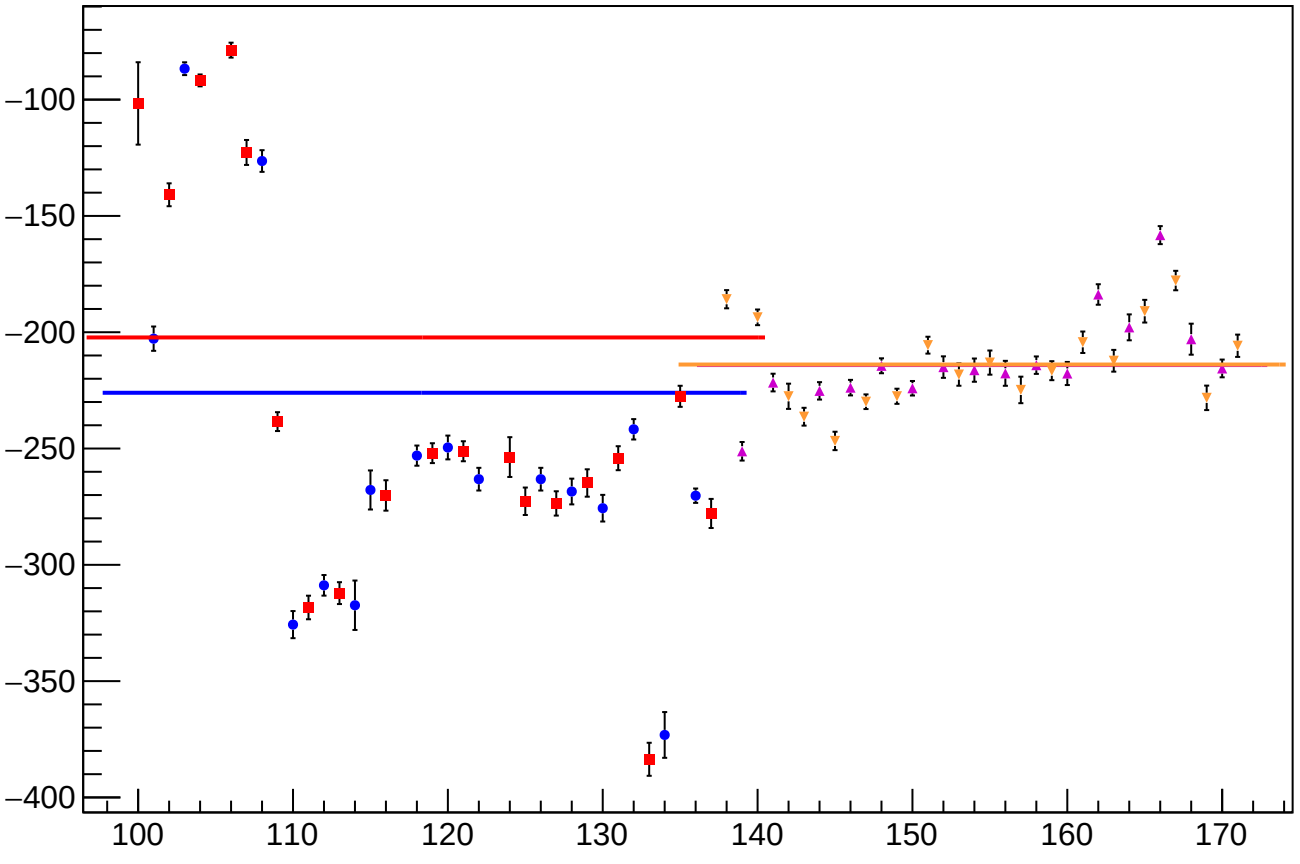
Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.736+/-0.710 χ^2/NDF:274.2/15

+ sign -3.096+/-0.574 χ^2/NDF: 514.2/33

All: -2.685+/-0.408 χ^2/NDF: 1076.1/68

- sign -2.264+/-0.581 χ^2/NDF: 560.8/34



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -213.888+/-0.984 χ^2/NDF:362.3/17

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

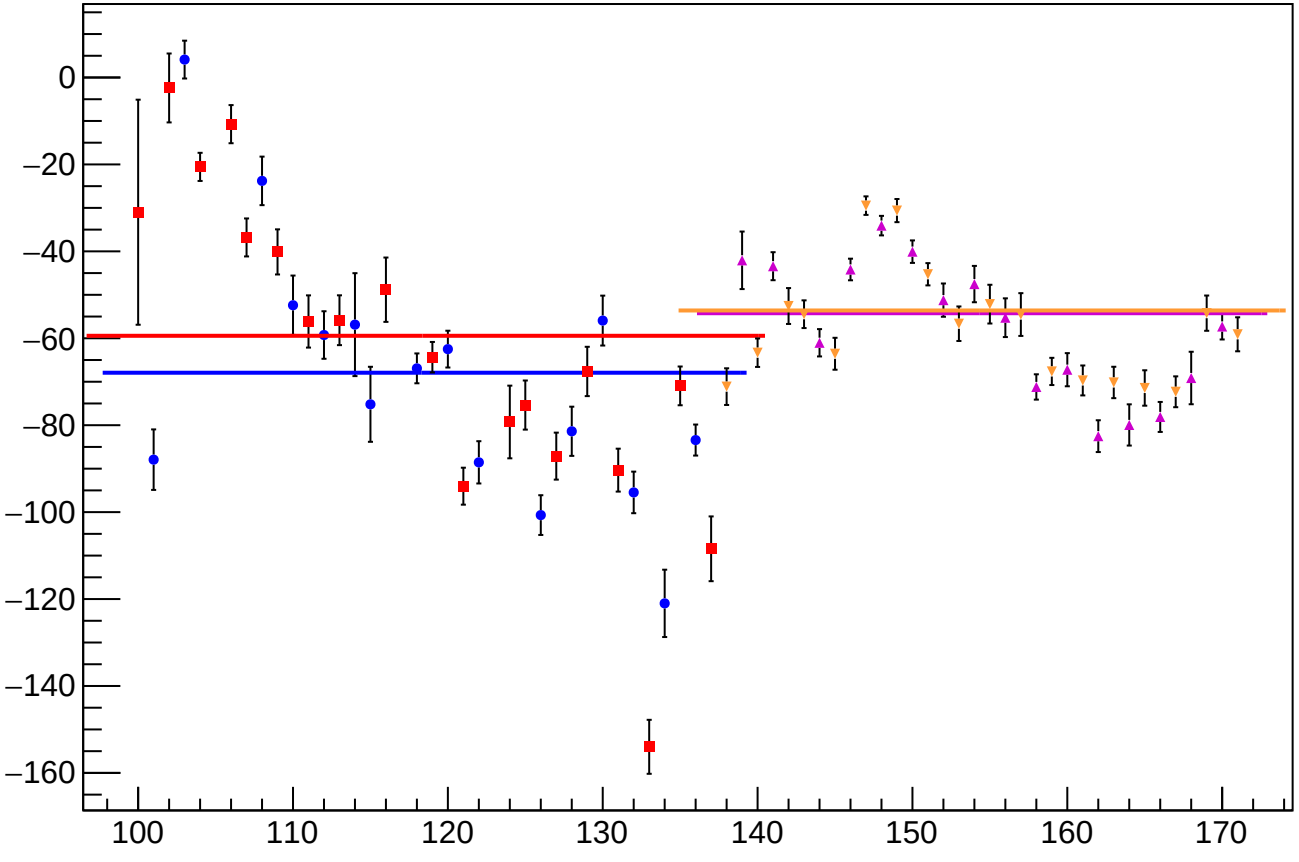
Left In: -214.114+/-1.017 χ^2/NDF:385.8/15

+ sign -218.890+/-0.754 χ^2/NDF: 4964.1/33

All: -213.653+/-0.529 χ^2/NDF: 12199.2/68

- sign -208.578+/-0.742 χ^2/NDF: 7140.1/34

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.603+/-0.796 χ^2/NDF:359.5/17

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

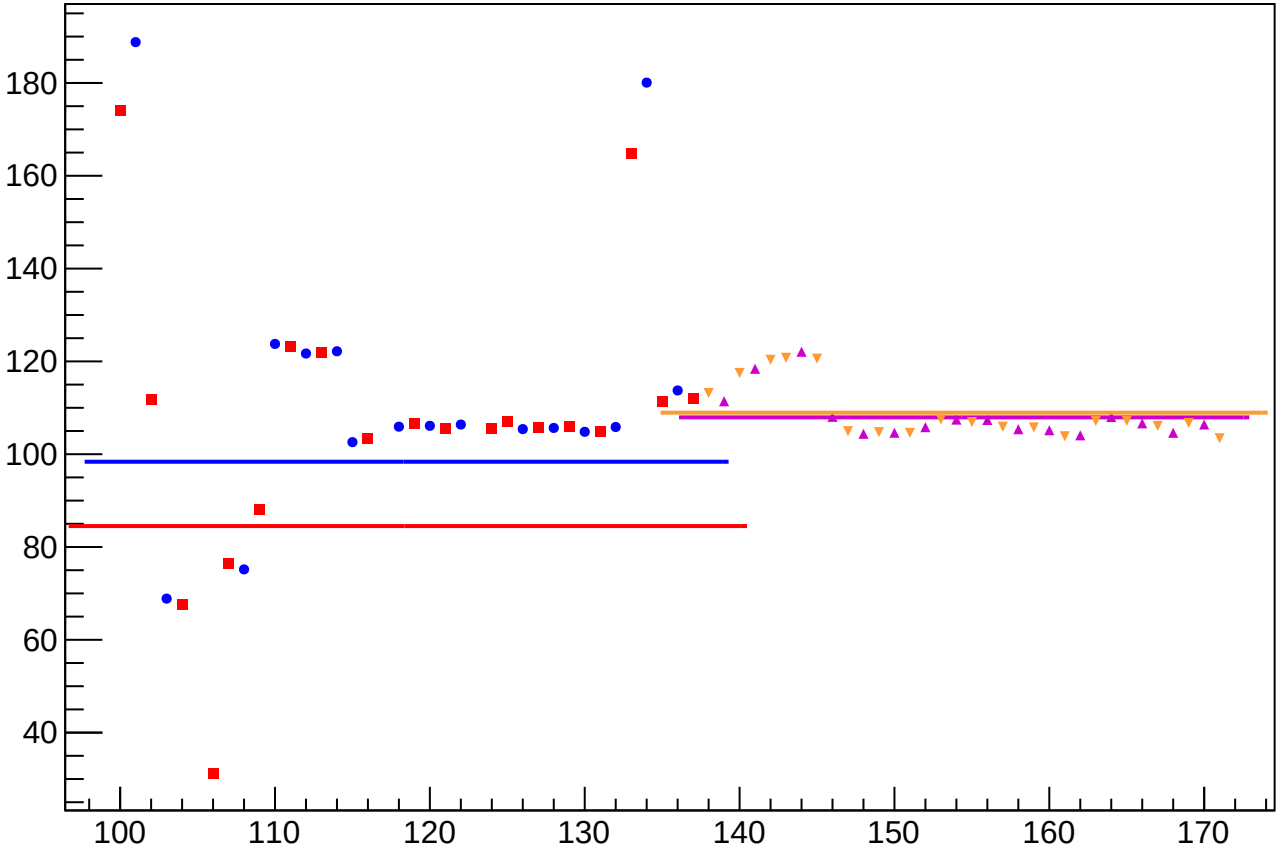
Left In: -54.233+/-0.835 χ^2/NDF:339.0/15

+ sign -57.606+/-0.676 χ^2/NDF: 984.0/33

All: -56.790+/-0.480 χ^2/NDF: 2133.7/68

- sign -55.958+/-0.682 χ^2/NDF: 1146.7/34

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.952+/-0.038 χ^2/NDF:24089.6/17

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

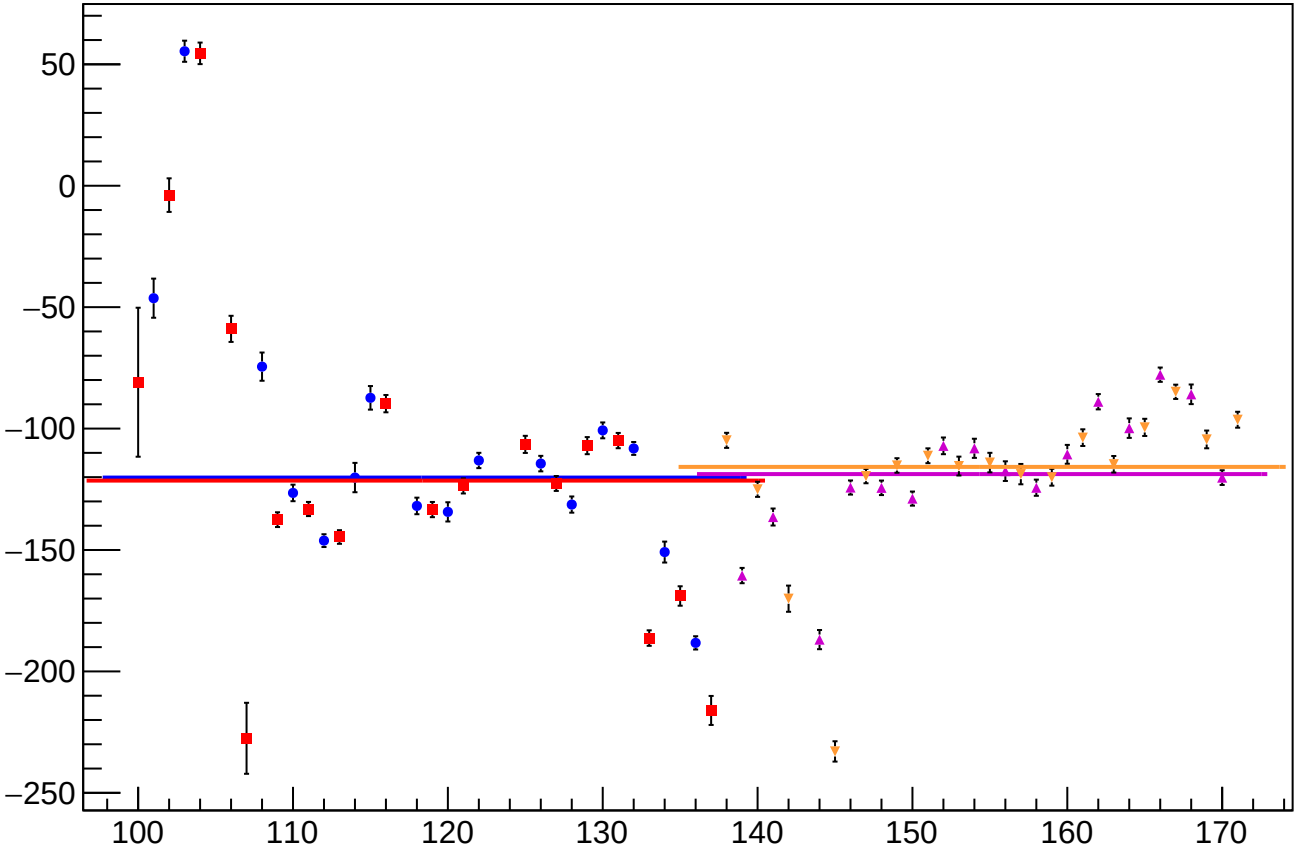
Left In: 107.935+/-0.039 χ^2/NDF:15465.6/15

+ sign 106.339+/-0.033 χ^2/NDF: 271815.5/33

All: 103.732+/-0.023 χ^2/NDF: 674796.9/68

- sign 101.159+/-0.033 χ^2/NDF: 390447.9/34

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: -115.778+/-0.834 χ^2/NDF:1100.5/16

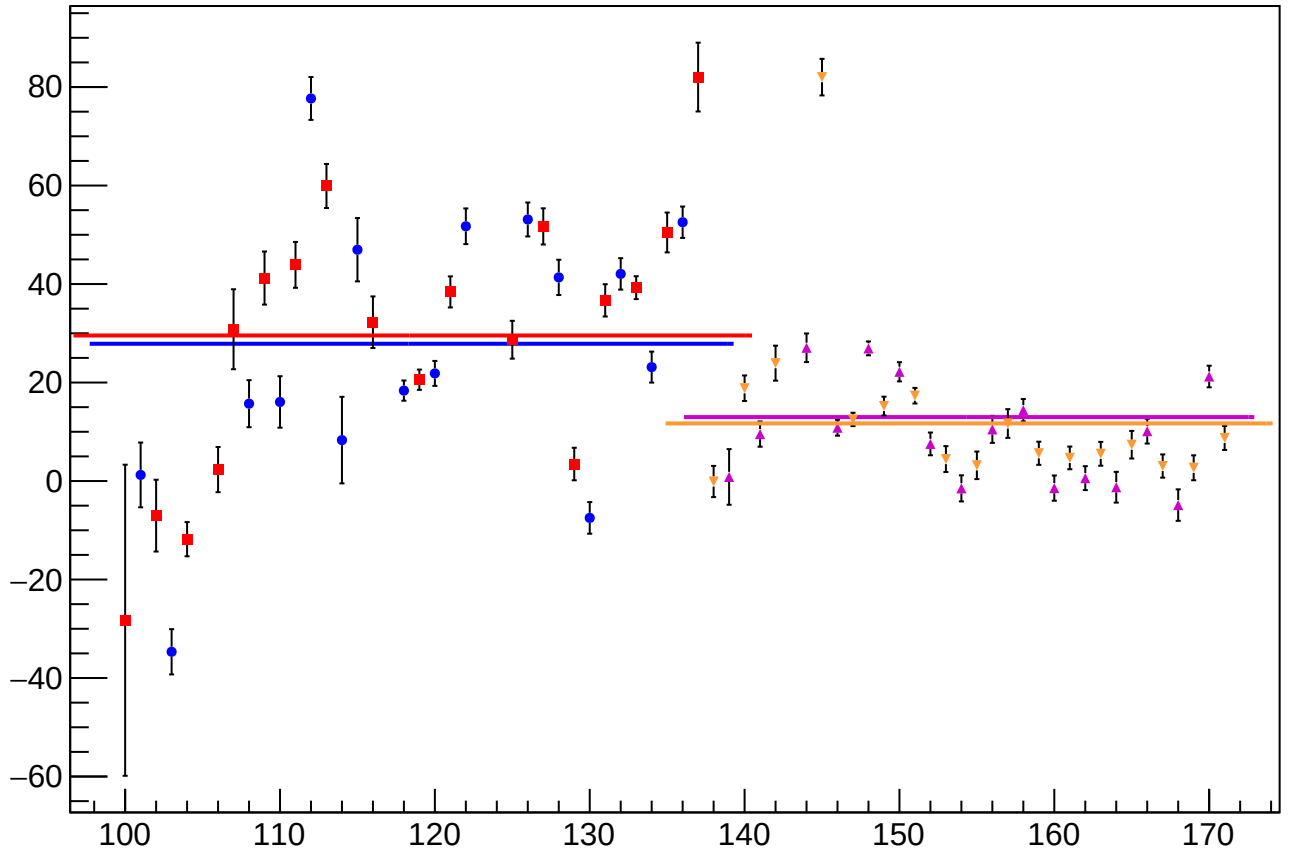
Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -118.741+/-0.842 χ^2/NDF:915.1/15

+ sign -117.834+/-0.609 χ^2/NDF: 3804.7/32

All: -118.935+/-0.430 χ^2/NDF: 7857.5/66

- sign -120.028+/-0.607 χ^2/NDF: 4046.3/33



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 11.698+/-0.561 χ^2/NDF:477.3/16

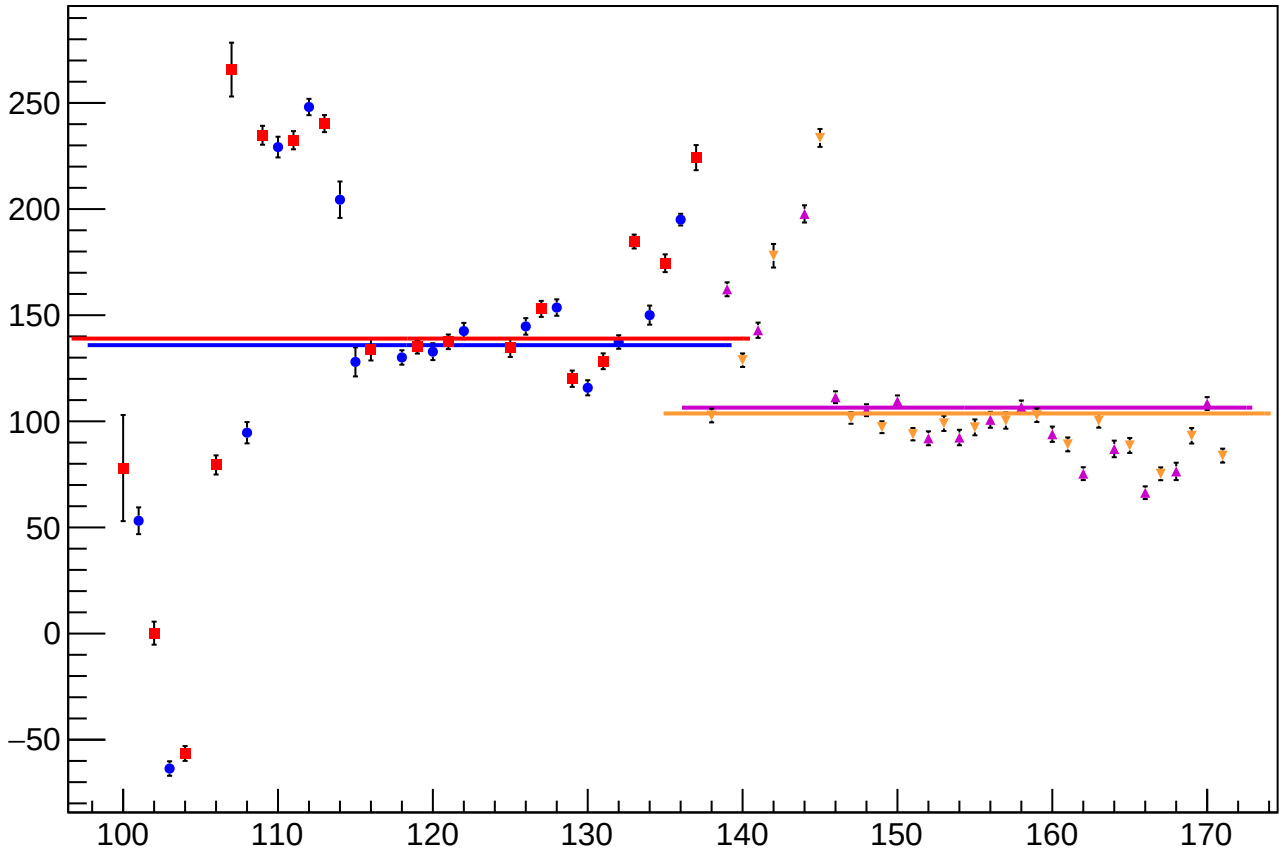
Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.984+/-0.578 χ^2/NDF:313.6/15

+ sign 16.308+/-0.474 χ^2/NDF: 1414.0/32

All: 17.088+/-0.339 χ^2/NDF: 2474.5/66

- sign 17.903+/-0.485 χ^2/NDF: 1054.9/33



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 103.704+/-0.811 χ^2/NDF:1381.8/16

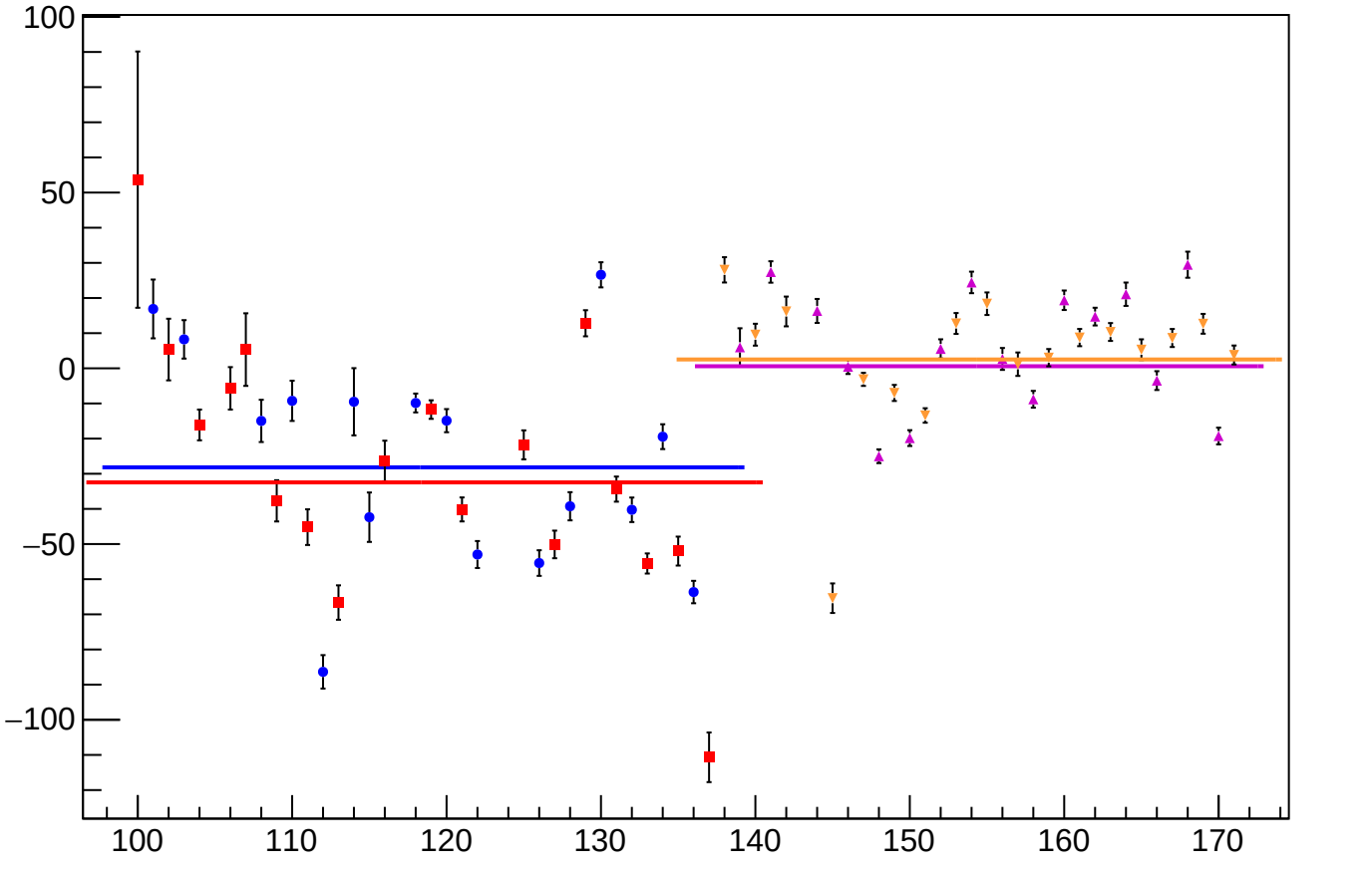
Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 106.443+/-0.817 χ^2/NDF:1310.6/15

\+ sign 116.500+/-0.630 χ^2/NDF: 7471.1/32

All: 117.989+/-0.446 χ^2/NDF: 15586.0/66

\- sign 119.489+/-0.632 χ^2/NDF: 8103.7/33



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.517+/-0.656 χ^2/NDF:485.5/16

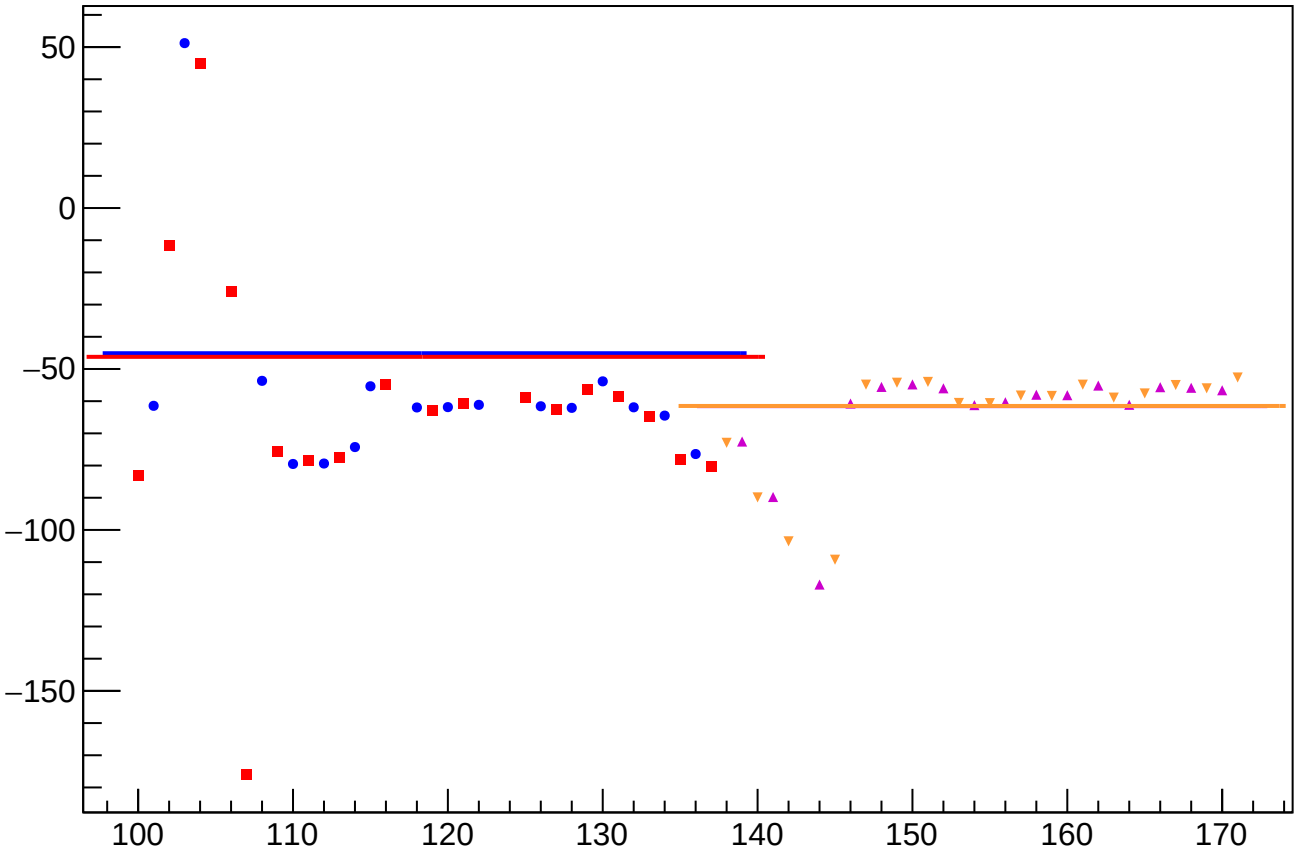
Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.591+/-0.673 χ^2/NDF:680.6/15

+ sign -6.434+/-0.552 χ^2/NDF: 1915.2/32

All: -7.858+/-0.394 χ^2/NDF: 3914.1/66

- sign -9.340+/-0.563 χ^2/NDF: 1985.3/33



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -61.488+/-0.030 χ^2/NDF:192927.2/16

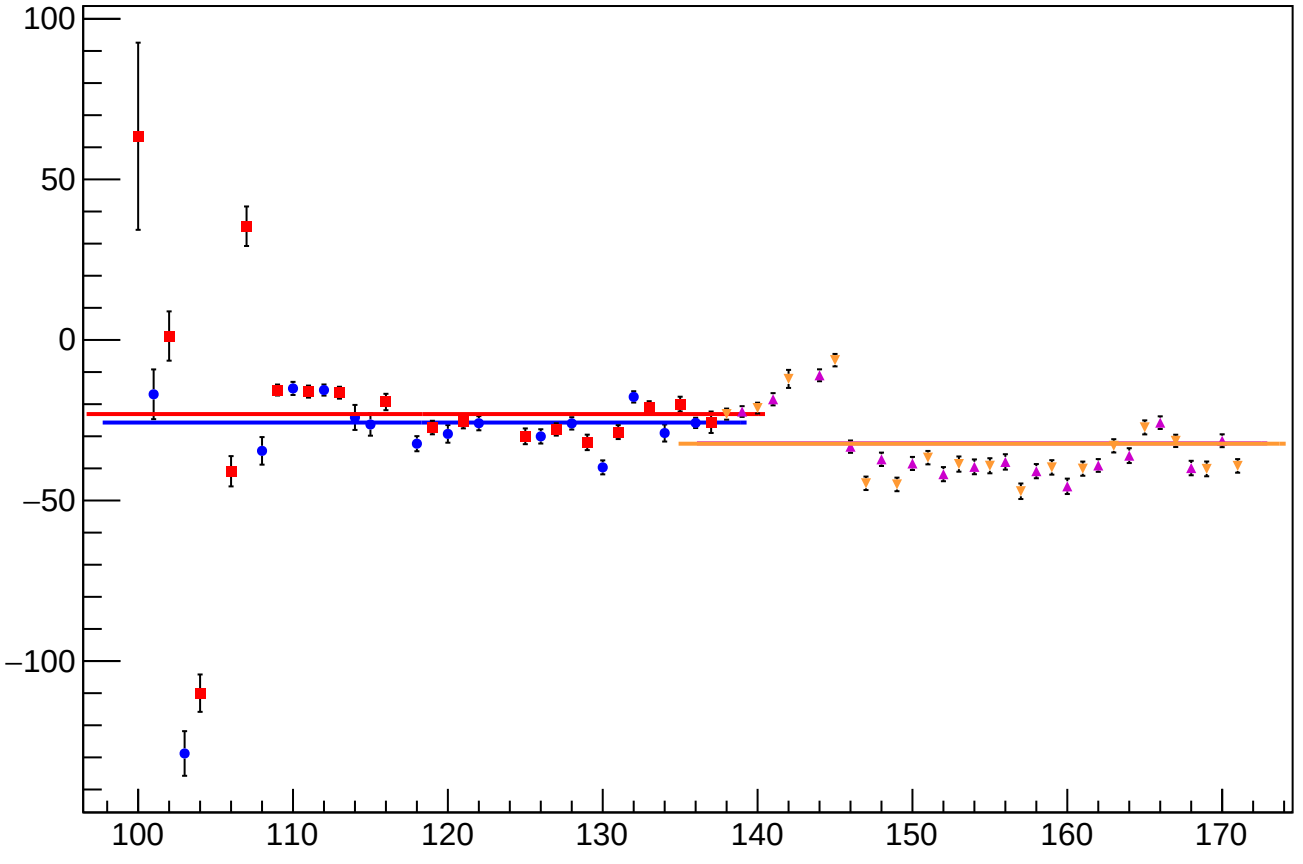
Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -61.542+/-0.031 χ^2/NDF:158048.3/15

+ sign -58.161+/-0.027 χ^2/NDF: 827258.2/32

All: -58.374+/-0.019 χ^2/NDF: 1527385.0/66

- sign -58.593+/-0.027 χ^2/NDF: 700001.5/33



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.310+/-0.512 χ^2/NDF:482.3/16

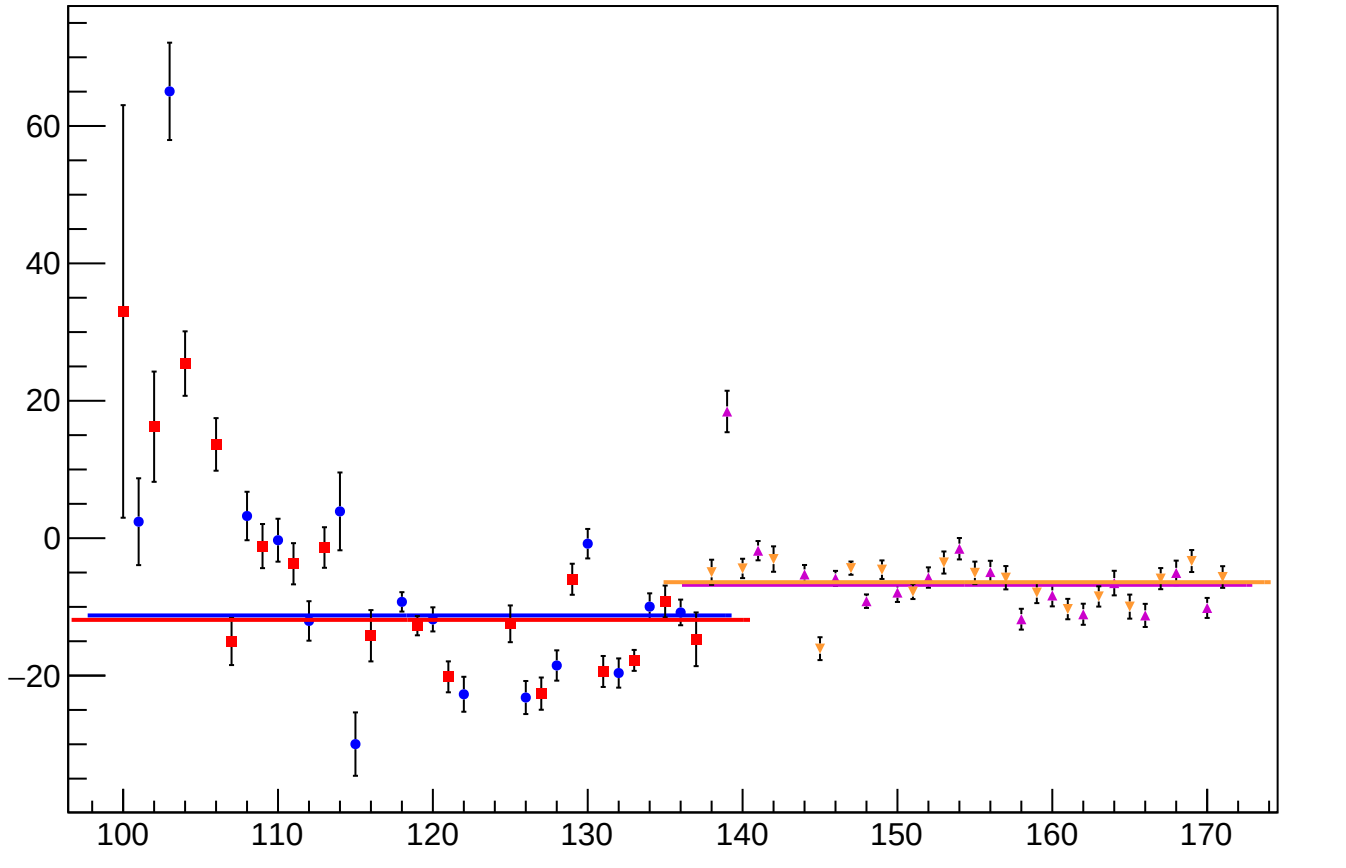
Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

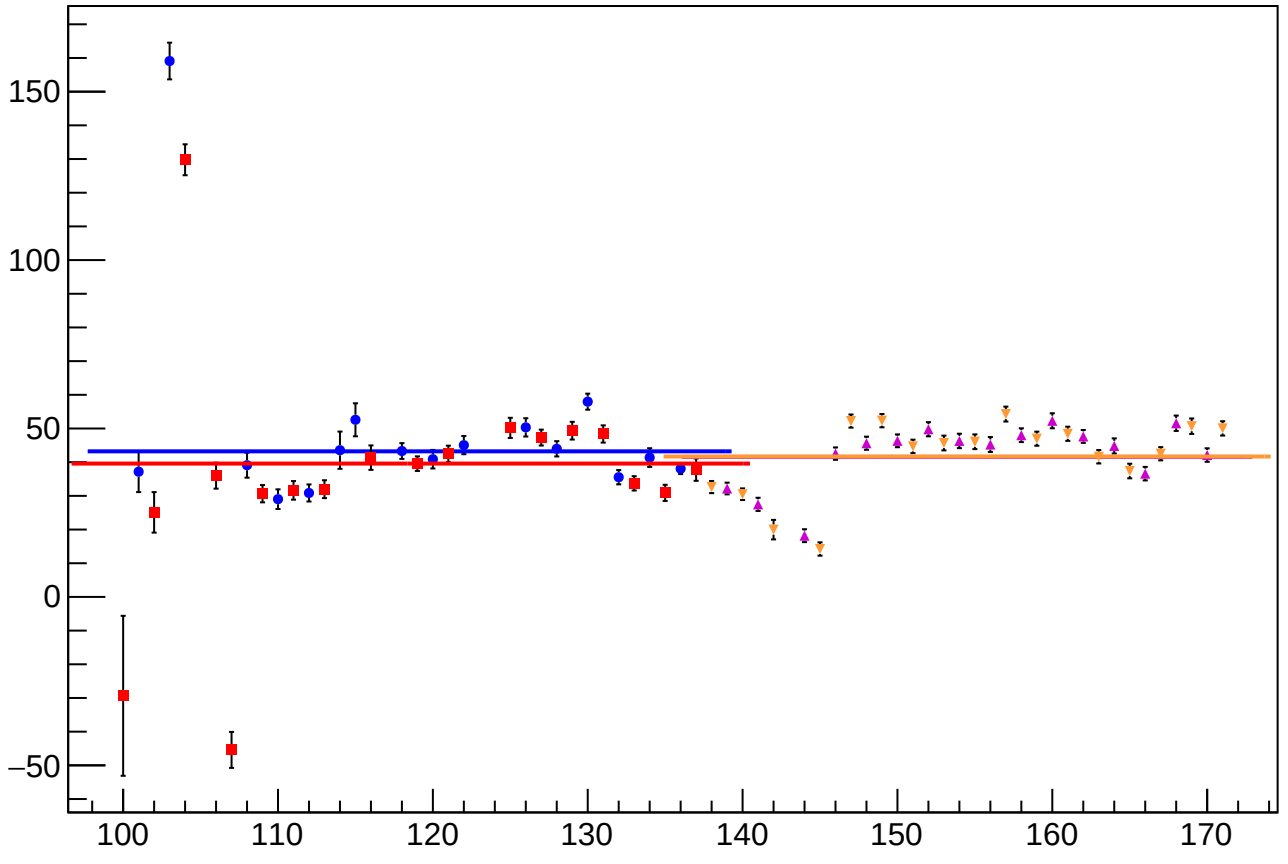
Left In: -32.206+/-0.516 χ^2/NDF:351.0/15

+ sign -29.482+/-0.387 χ^2/NDF: 916.4/32

All: -28.833+/-0.273 χ^2/NDF: 1847.9/66

- sign -28.186+/-0.386 χ^2/NDF: 925.8/33


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.404+/-0.356 χ²/NDF:69.7/16
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -6.787+/-0.365 χ²/NDF:137.0/15
+ sign -7.663+/-0.306 χ²/NDF: 389.0/32
All: -7.898+/-0.219 χ²/NDF: 803.5/66
- sign -8.144+/-0.313 χ²/NDF: 413.3/33



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.683+/-0.501 χ^2/NDF:466.9/16

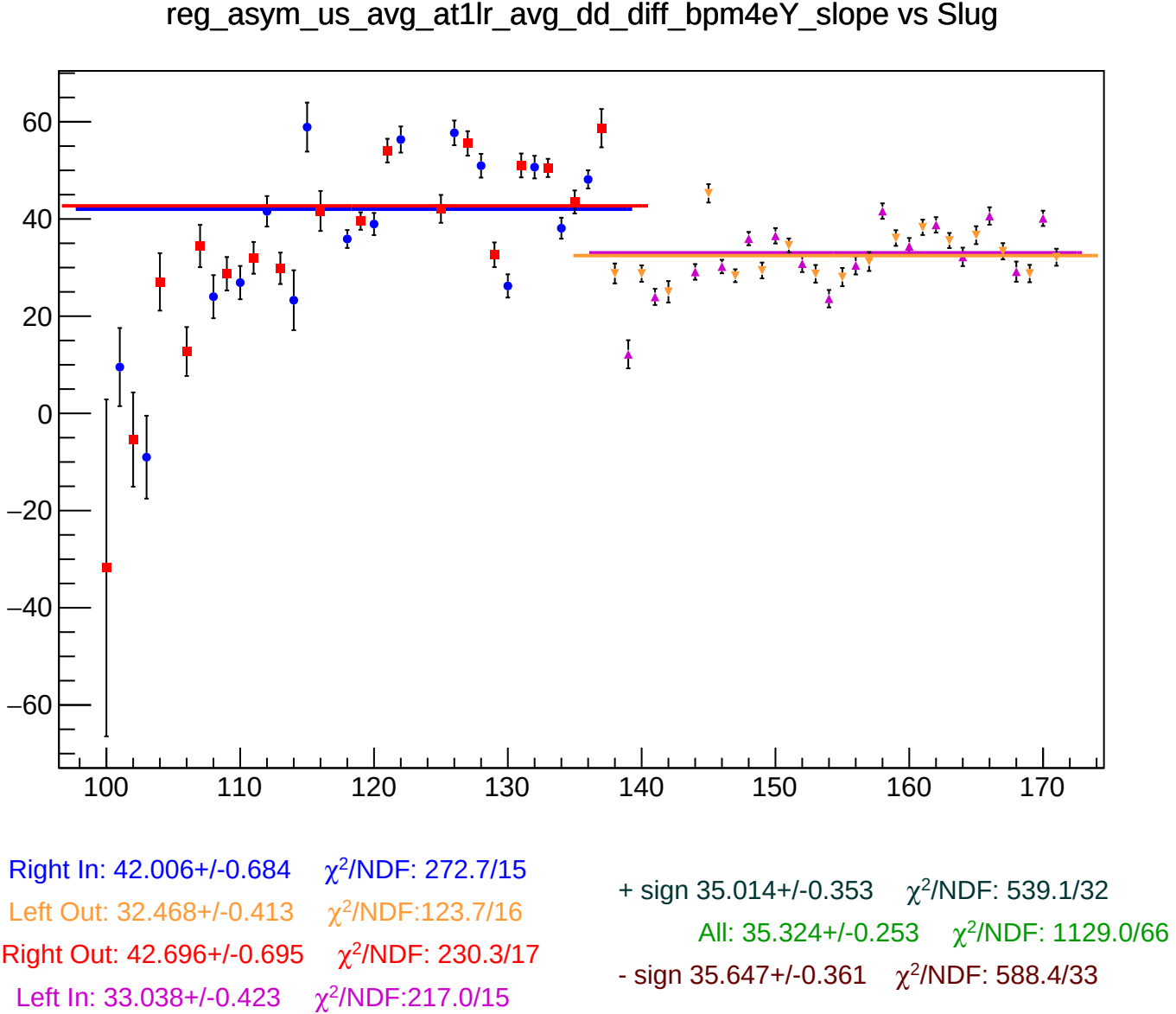
Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

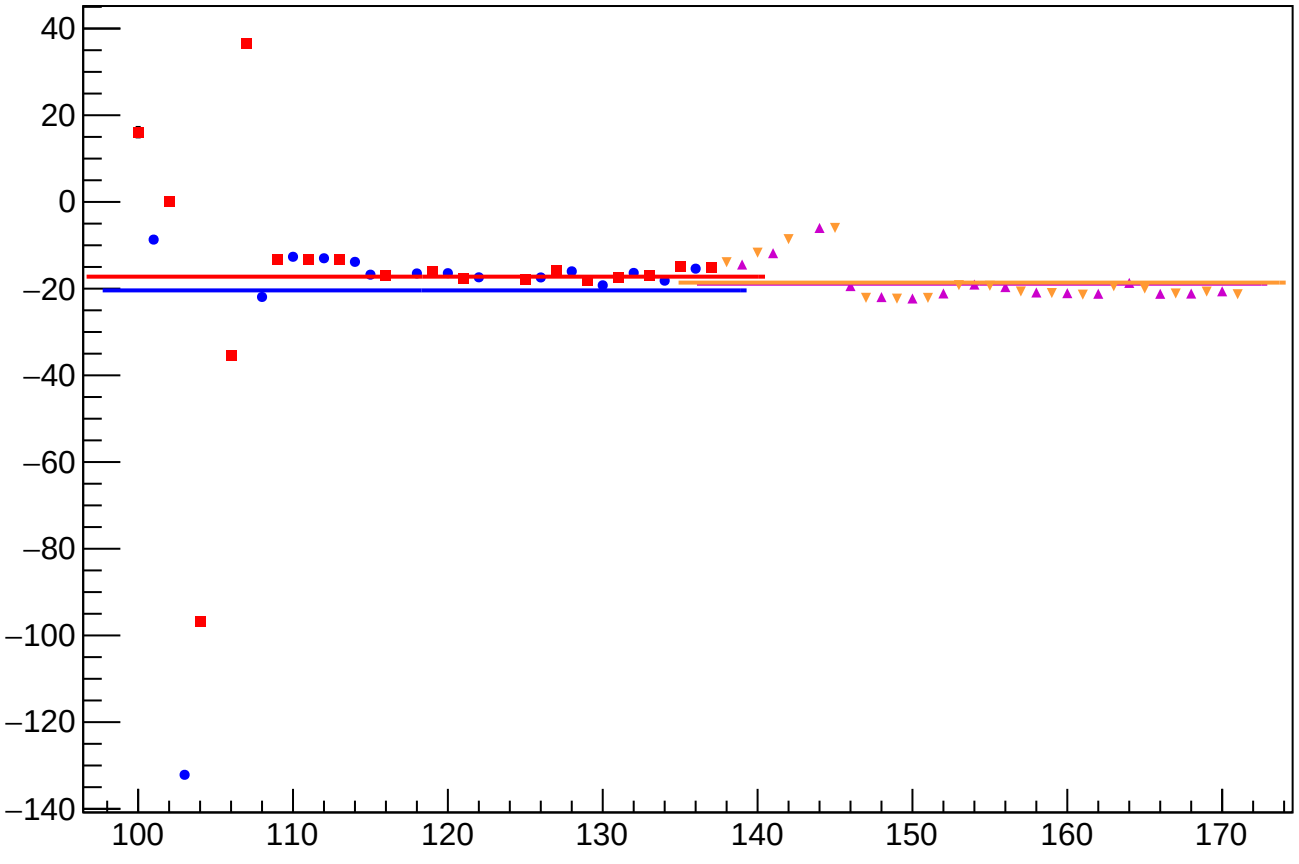
Left In: 41.565+/-0.503 χ^2/NDF:334.8/15

+ sign 42.226+/-0.403 χ^2/NDF: 1046.2/32

All: 41.553+/-0.286 χ^2/NDF: 2146.0/66

- sign 40.871+/-0.406 χ^2/NDF: 1094.2/33


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
170
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 32.468+/-0.413 χ²/NDF:123.7/16
Right Out: 42.696+/-0.695 χ²/NDF: 230.3/17
Left In: 33.038+/-0.423 χ²/NDF:217.0/15
+ sign 35.014+/-0.353 χ²/NDF: 539.1/32
All: 35.324+/-0.253 χ²/NDF: 1129.0/66
- sign 35.647+/-0.361 χ²/NDF: 588.4/33



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.608+/-0.019 χ^2/NDF:58668.2/16

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

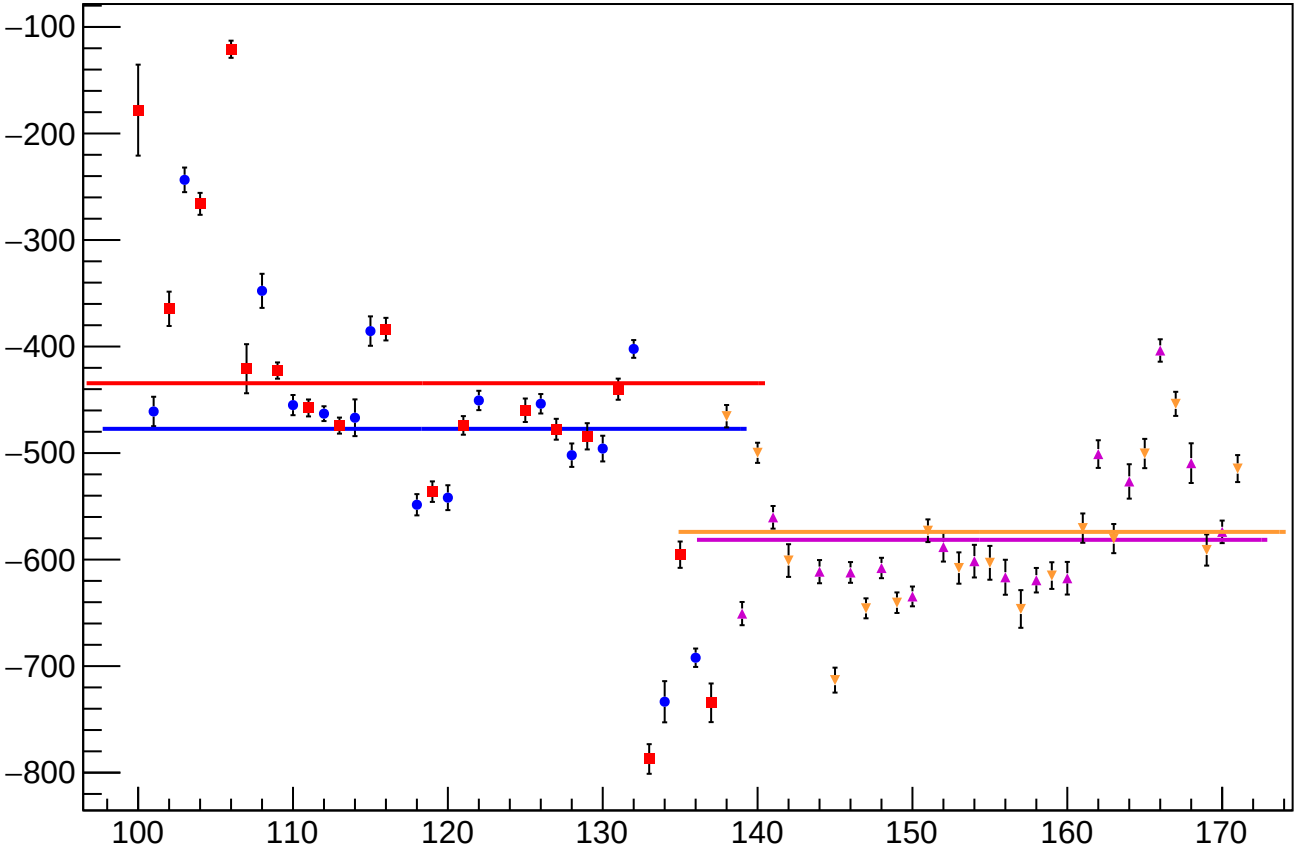
Left In: -18.866+/-0.019 χ^2/NDF:45047.8/15

+ sign -18.907+/-0.017 χ^2/NDF: 305812.8/32

All: -18.763+/-0.012 χ^2/NDF: 556817.5/66

- sign -18.615+/-0.017 χ^2/NDF: 250860.4/33

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: -573.996+/-2.943 χ^2/NDF:620.0/16

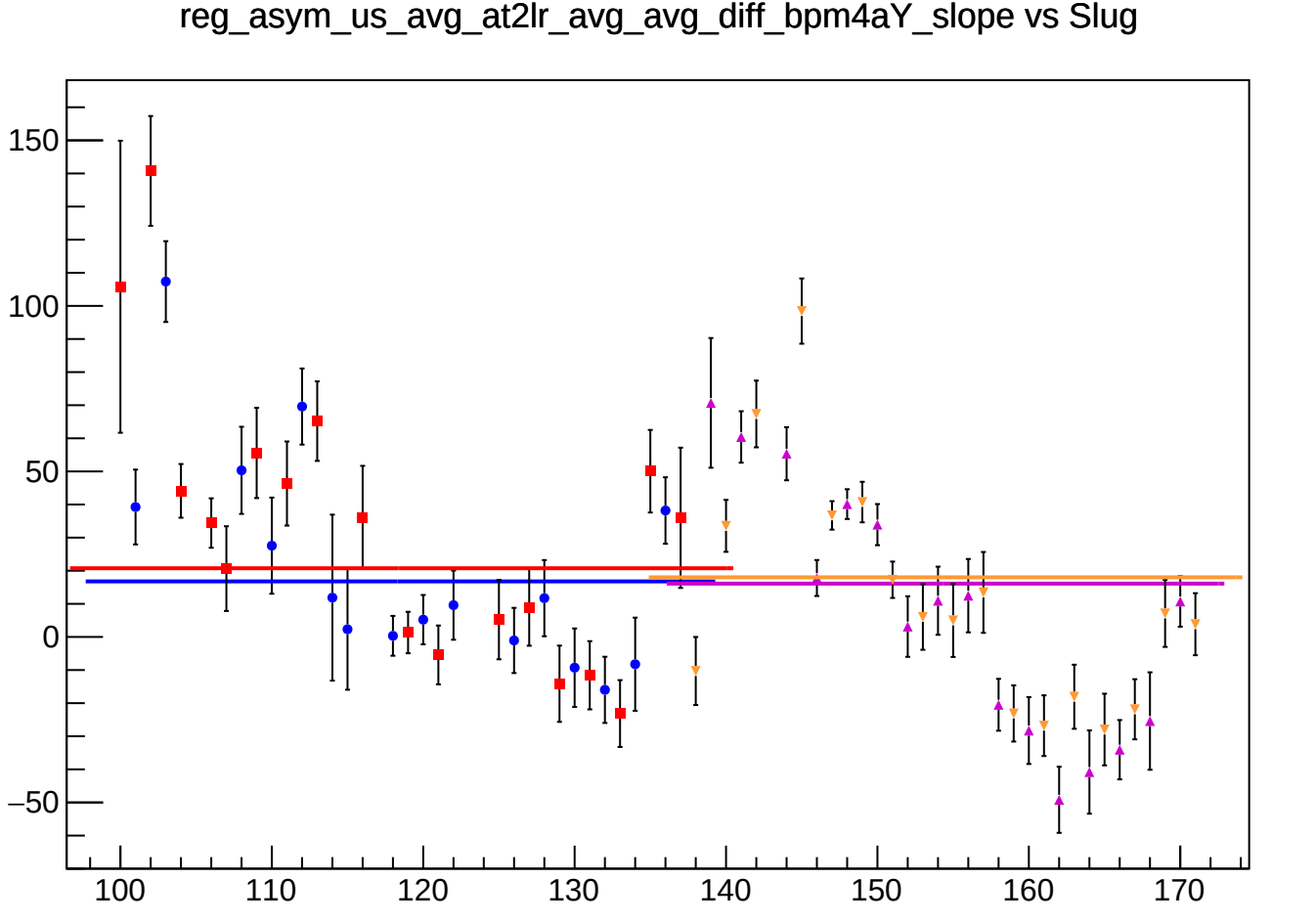
Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -581.452+/-2.955 χ^2/NDF:475.6/15

+ sign -520.270+/-1.962 χ^2/NDF: 2731.0/32

All: -507.033+/-1.362 χ^2/NDF: 7916.3/66

- sign -494.721+/-1.892 χ^2/NDF: 5097.5/33



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 18.006+/-1.950 χ^2/NDF:239.8/16

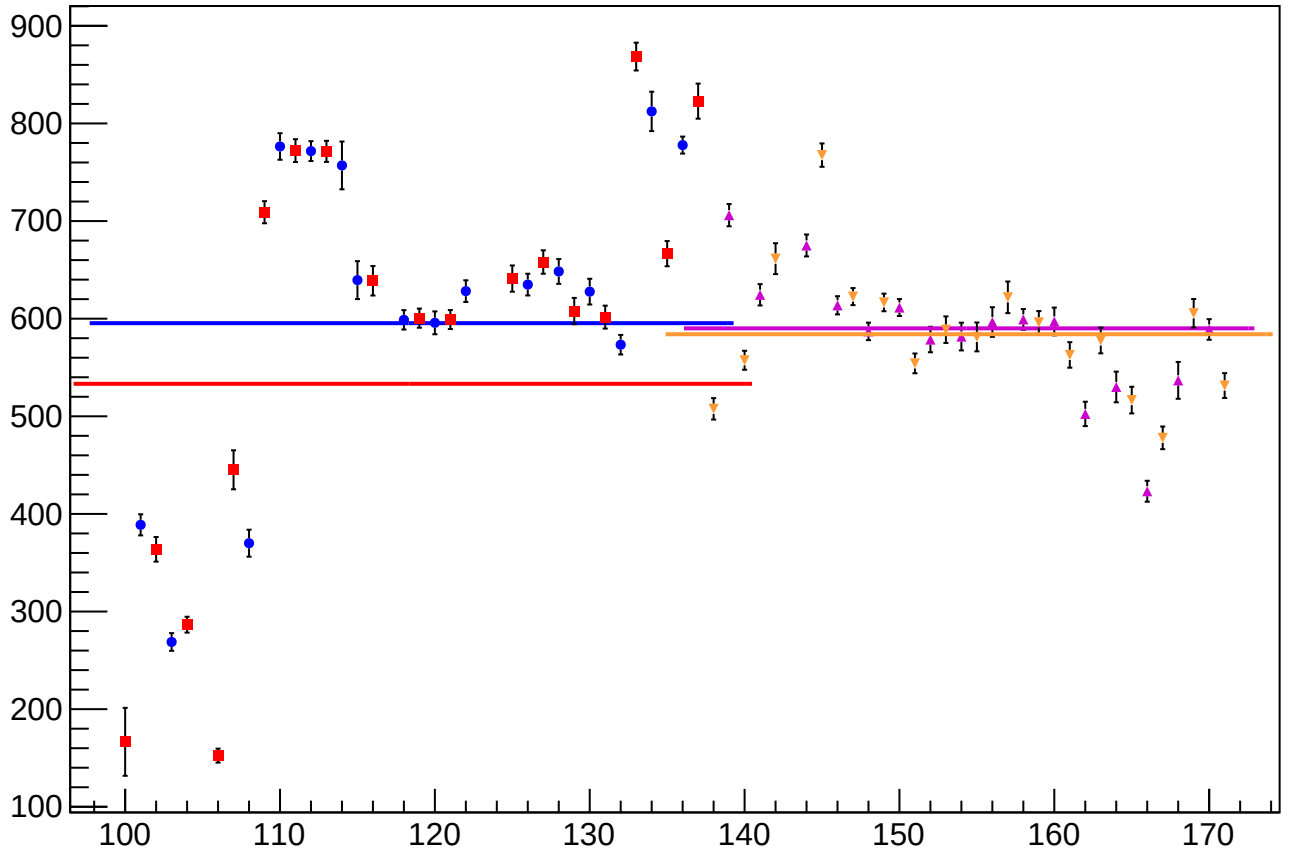
Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 16.110+/-2.000 χ^2/NDF:247.4/15

\+ sign 17.576+/-1.572 χ^2/NDF: 364.9/32

All: 17.727+/-1.112 χ^2/NDF: 772.3/66

\- sign 17.878+/-1.573 χ^2/NDF: 407.4/33



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 584.074+/-2.869 χ^2/NDF:493.3/16

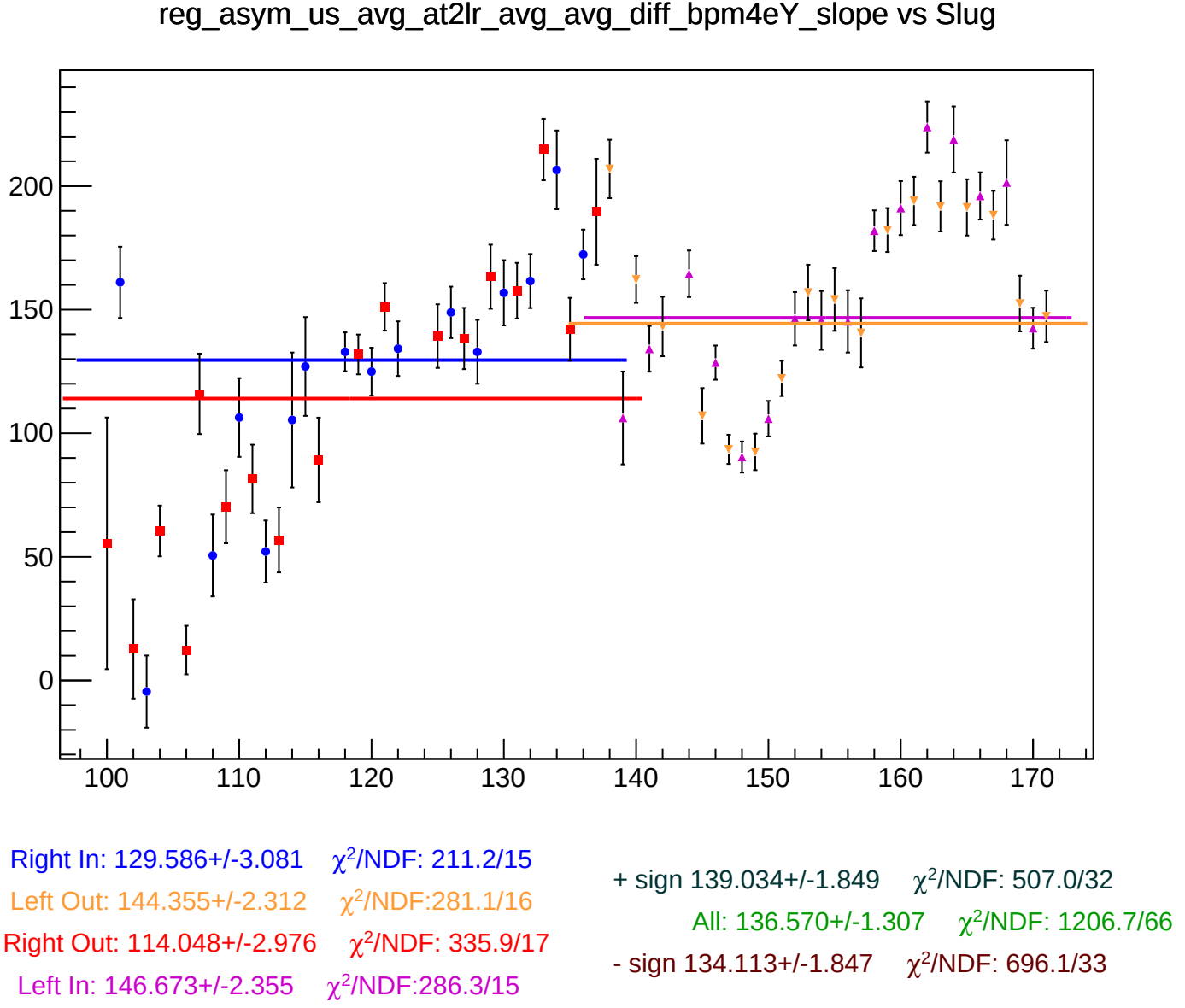
Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

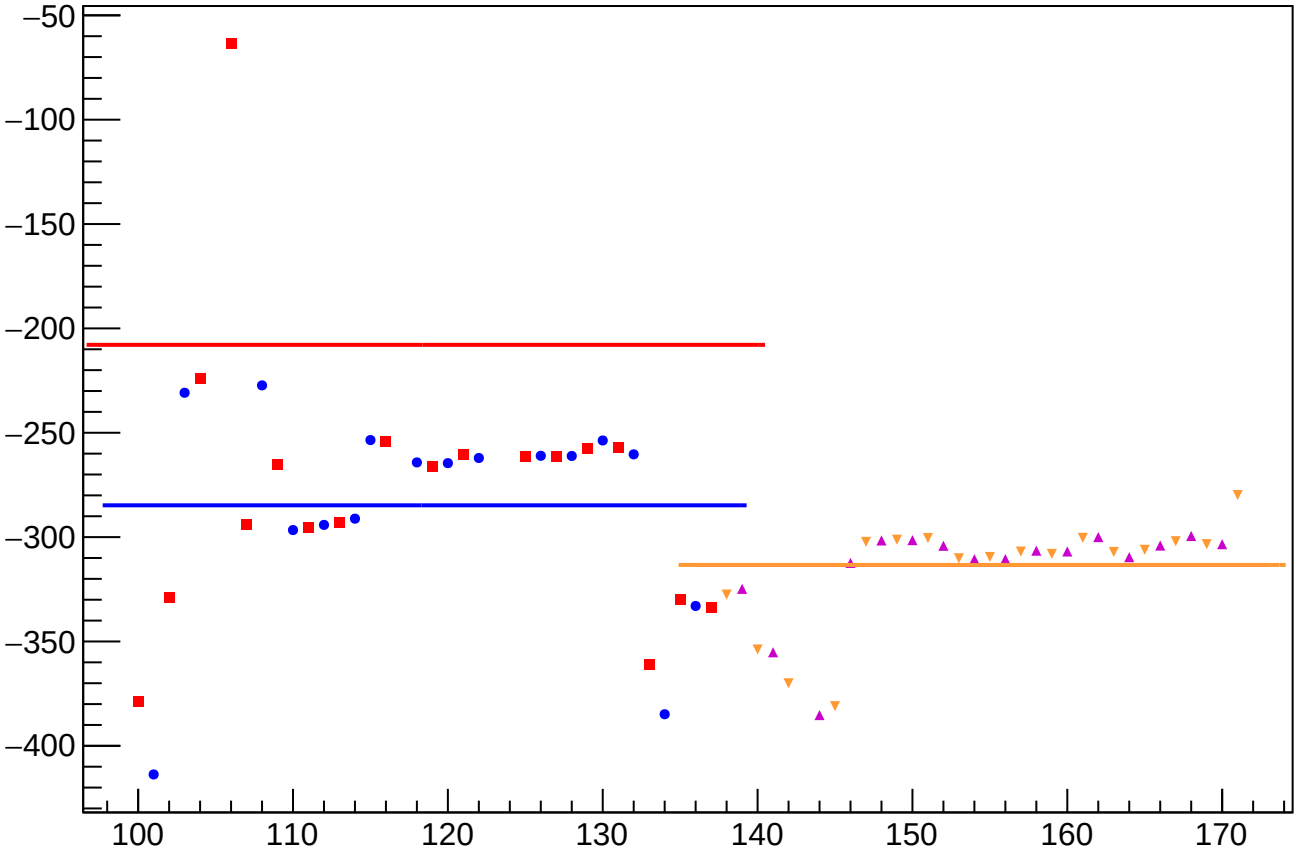
Left In: 590.079+/-2.871 χ^2/NDF:499.9/15

+ sign 589.621+/-2.050 χ^2/NDF: 3560.6/32

All: 574.546+/-1.426 χ^2/NDF: 10872.5/66

- sign 560.415+/-1.985 χ^2/NDF: 7207.1/33


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
200
150
100
50
0
100
110
120
130
140
150
160
170
Right In: 129.586+/-3.081 χ²/NDF: 211.2/15
Left Out: 144.355+/-2.312 χ²/NDF:281.1/16
Right Out: 114.048+/-2.976 χ²/NDF: 335.9/17
Left In: 146.673+/-2.355 χ²/NDF:286.3/15
+ sign 139.034+/-1.849 χ²/NDF: 507.0/32
All: 136.570+/-1.307 χ²/NDF: 1206.7/66
- sign 134.113+/-1.847 χ²/NDF: 696.1/33



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -313.336+/-0.110 χ^2/NDF:49374.5/16

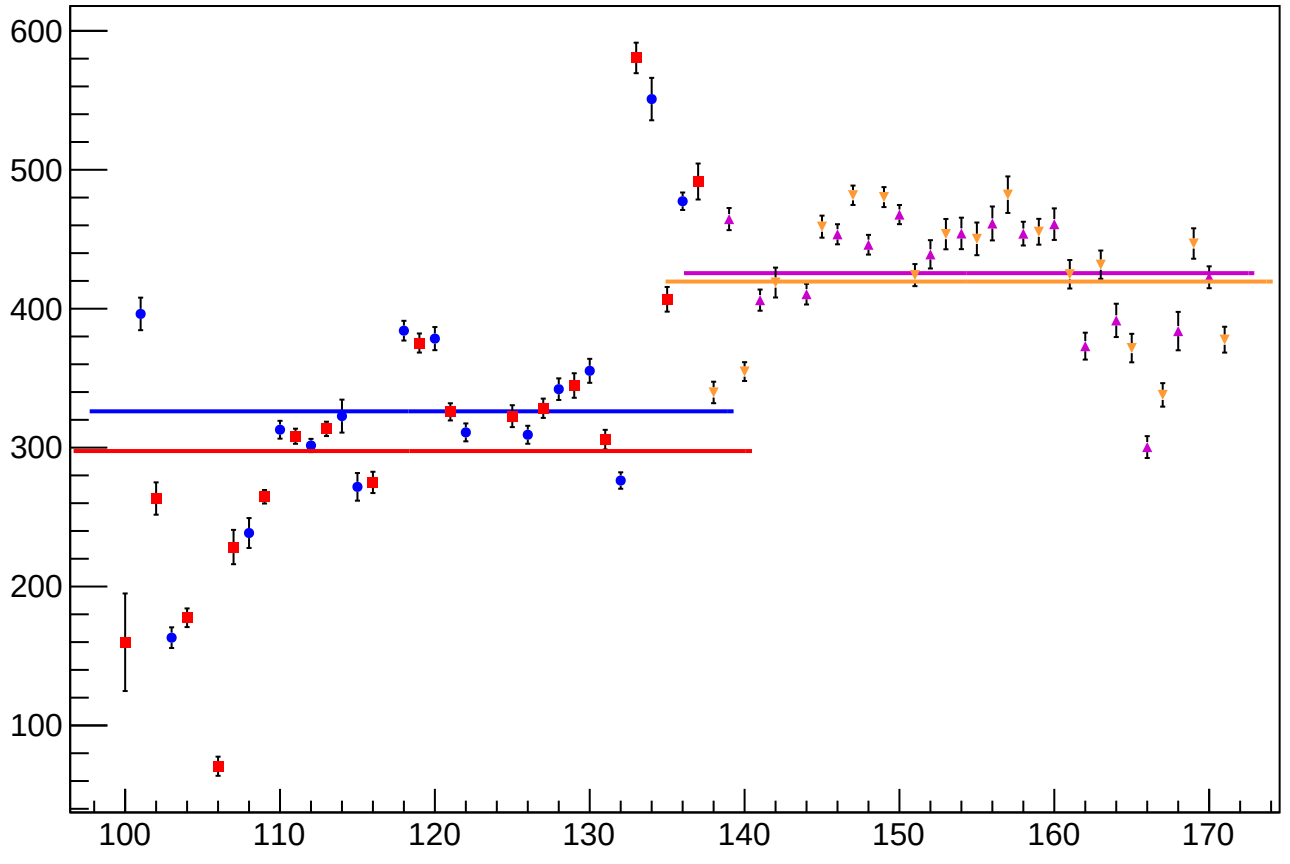
Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -313.350+/-0.109 χ^2/NDF:35678.1/15

+ sign -305.442+/-0.093 χ^2/NDF: 172484.4/32

All: -290.096+/-0.064 χ^2/NDF: 1122395.1/66

- sign -276.433+/-0.088 χ^2/NDF: 898796.4/33



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 419.545+/-2.160 χ^2/NDF:571.4/16

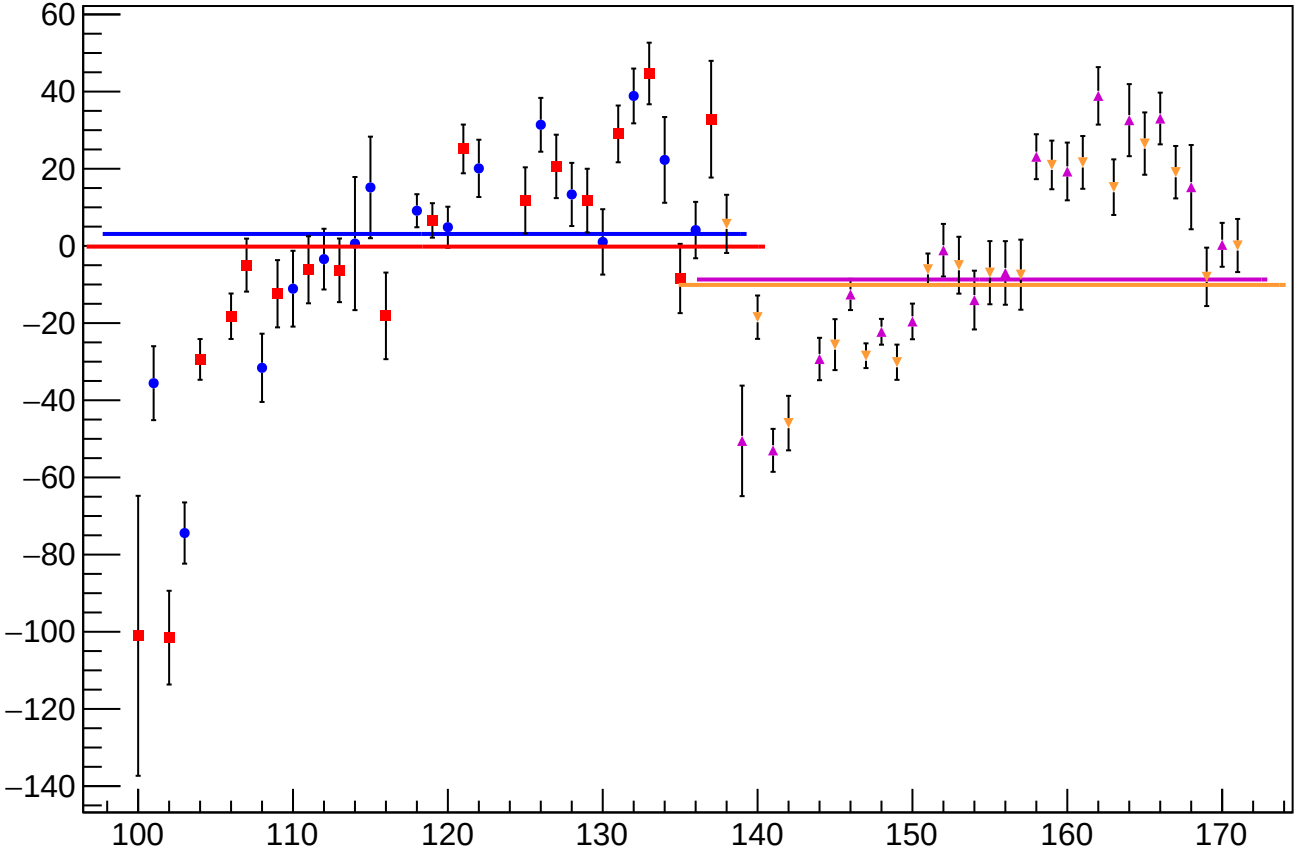
Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 425.605+/-2.173 χ^2/NDF:432.7/15

\+ sign 365.828+/-1.408 χ^2/NDF: 3289.9/32

All: 356.251+/-0.977 χ^2/NDF: 8708.3/66

\- sign 347.372+/-1.356 χ^2/NDF: 5329.3/33



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -10.105+/-1.437 χ^2/NDF:191.2/16

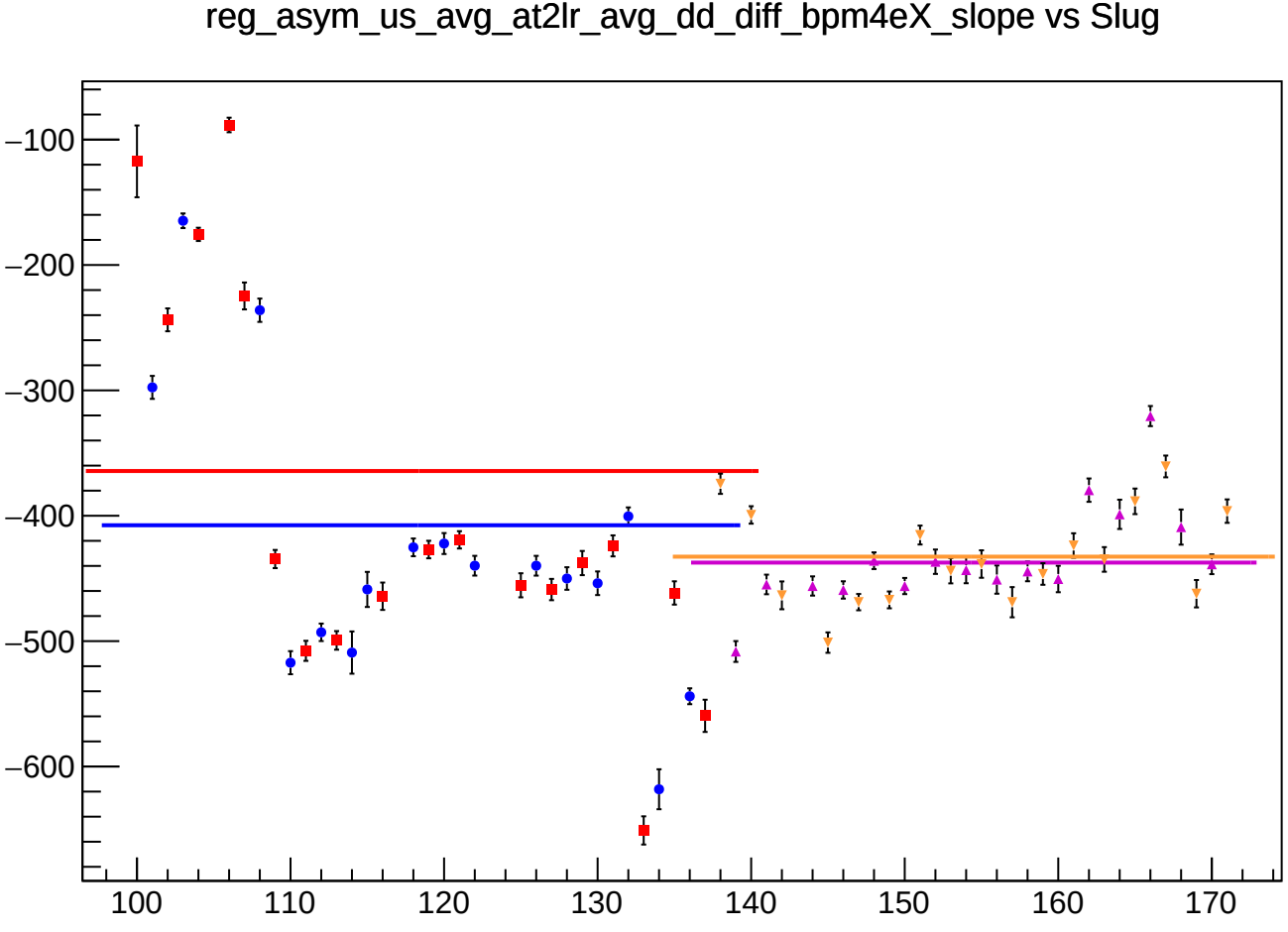
Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.703+/-1.475 χ^2/NDF:260.9/15

+ sign -5.273+/-1.144 χ^2/NDF: 406.6/32

All: -5.266+/-0.807 χ^2/NDF: 886.2/66

- sign -5.259+/-1.139 χ^2/NDF: 479.6/33



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -432.628+/-2.109 χ^2/NDF:340.3/16

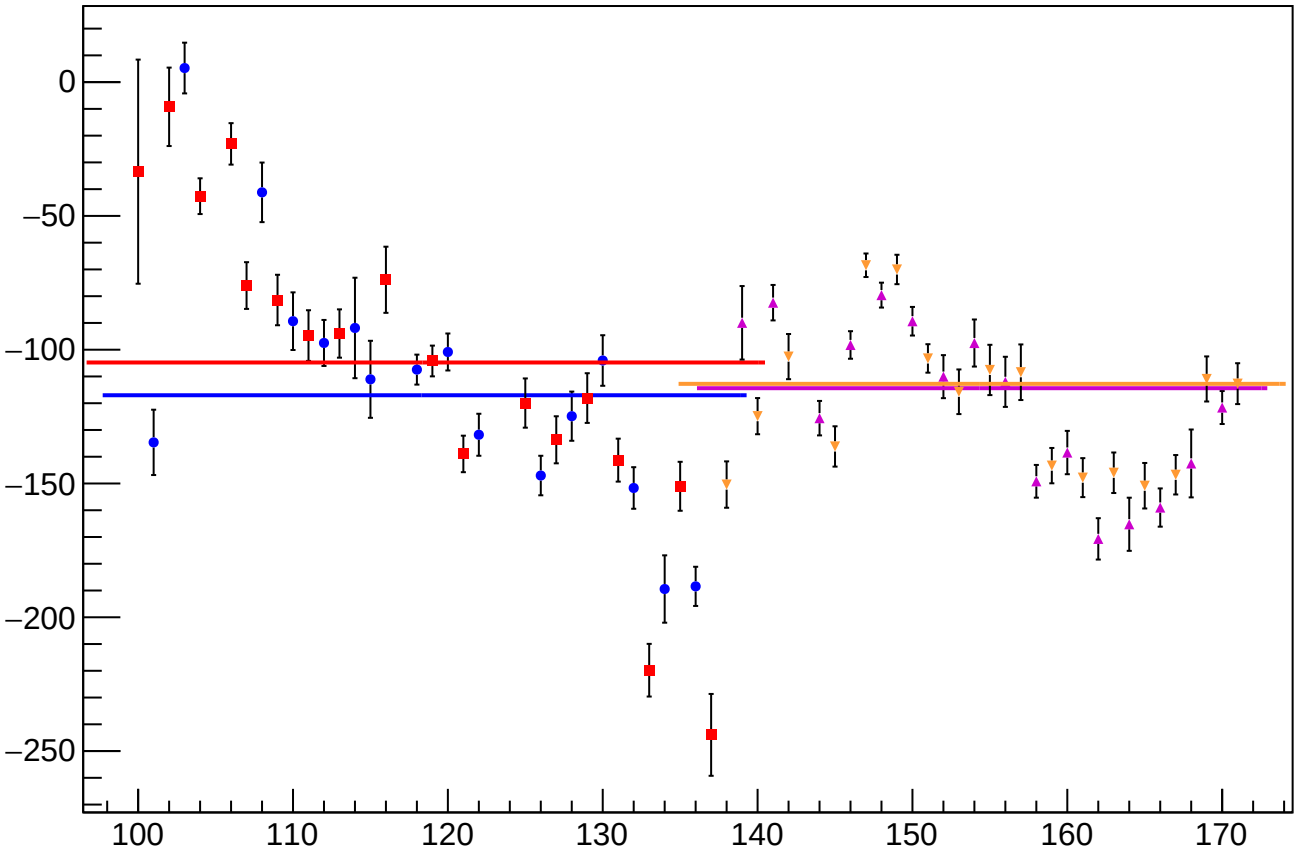
Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.350+/-2.114 χ^2/NDF:372.4/15

+ sign -419.891+/-1.479 χ^2/NDF: 3692.6/32

All: -408.454+/-1.028 χ^2/NDF: 11048.2/66

- sign -397.753+/-1.430 χ^2/NDF: 7239.9/33



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.760+/-1.703 χ^2/NDF:304.3/16

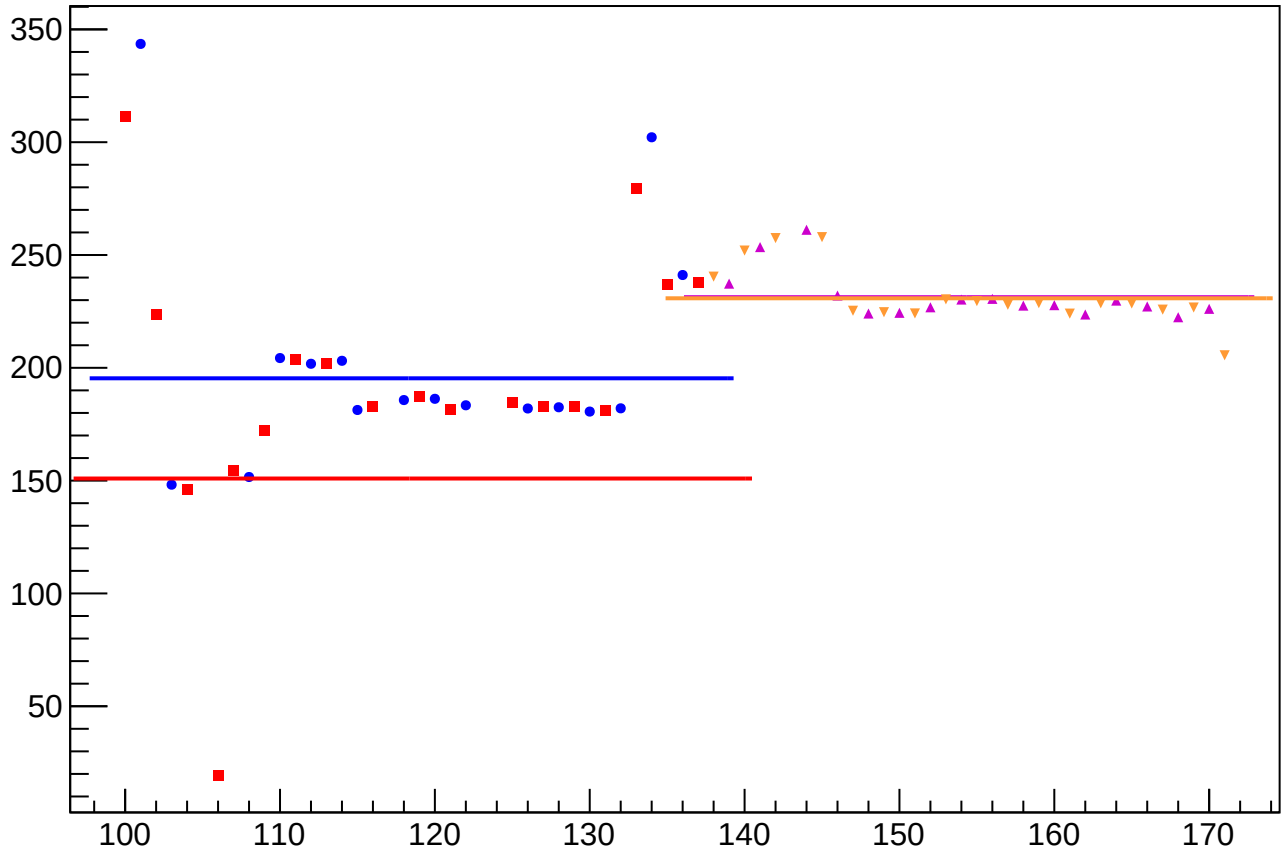
Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.389+/-1.736 χ^2/NDF:286.8/15

+ sign -114.362+/-1.346 χ^2/NDF: 714.4/32

All: -112.401+/-0.948 χ^2/NDF: 1593.0/66

- sign -110.468+/-1.336 χ^2/NDF: 874.4/33



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 230.816+/-0.081 χ^2/NDF:24744.6/16

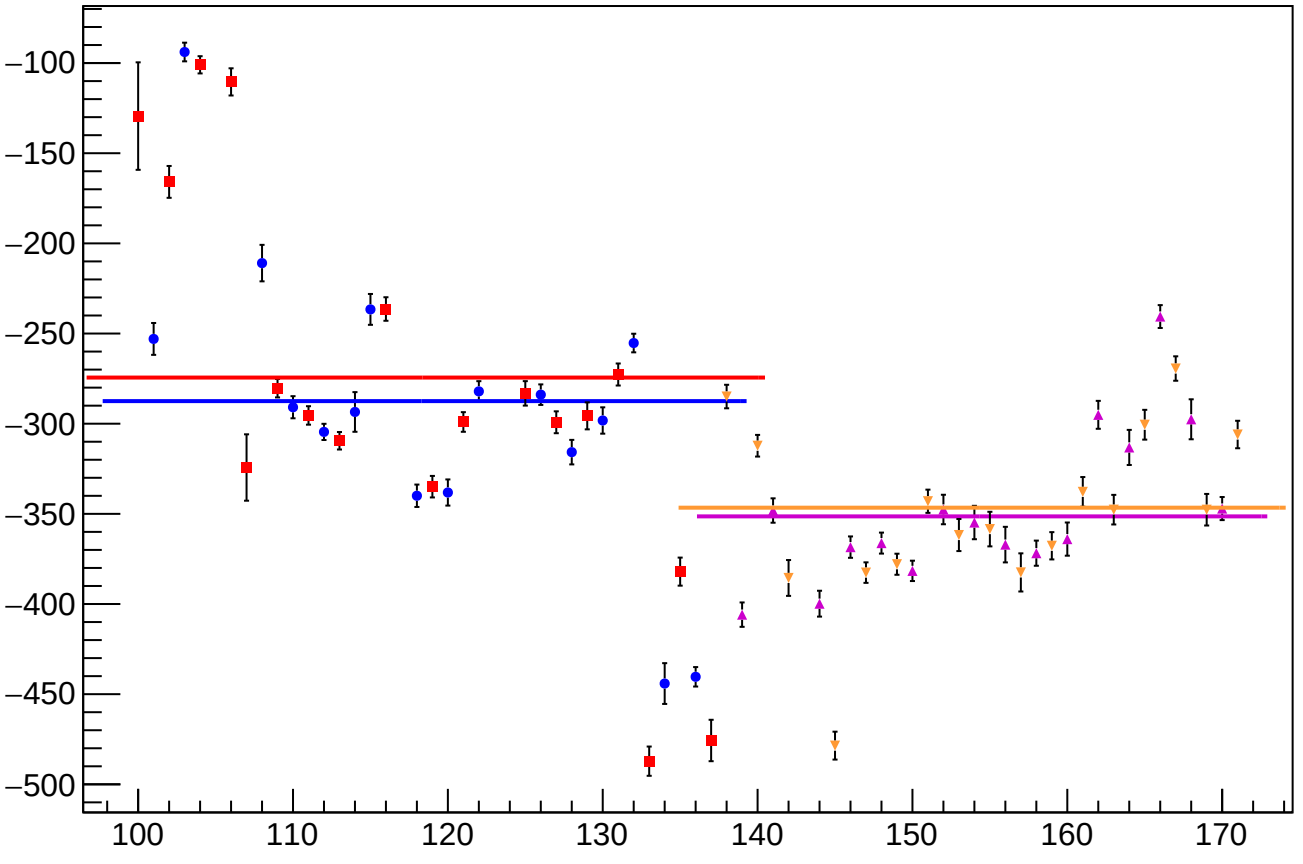
Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 231.313+/-0.081 χ^2/NDF:16042.9/15

+ sign 220.327+/-0.068 χ^2/NDF: 258747.0/32

All: 211.465+/-0.047 χ^2/NDF: 1153723.1/66

- sign 203.307+/-0.065 χ^2/NDF: 862143.0/33



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -346.577+/-1.800 χ^2/NDF:711.7/16

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

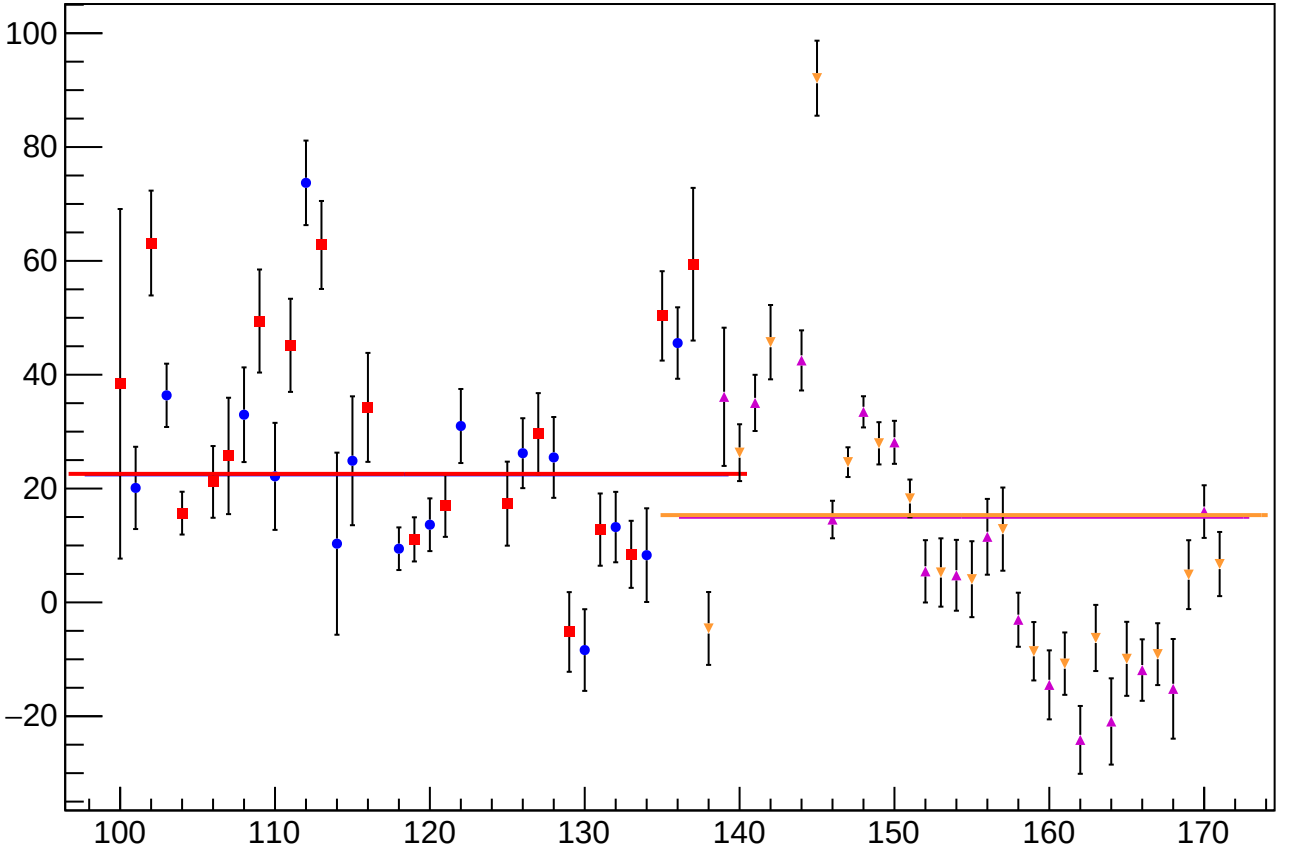
Left In: -351.400+/-1.806 χ^2/NDF:565.4/15

\+ sign -313.769+/-1.200 χ^2/NDF: 4006.8/32

All: -310.366+/-0.840 χ^2/NDF: 9046.6/66

\- sign -307.095+/-1.177 χ^2/NDF: 5024.1/33

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: 15.336+/-1.189 χ^2/NDF:301.4/16

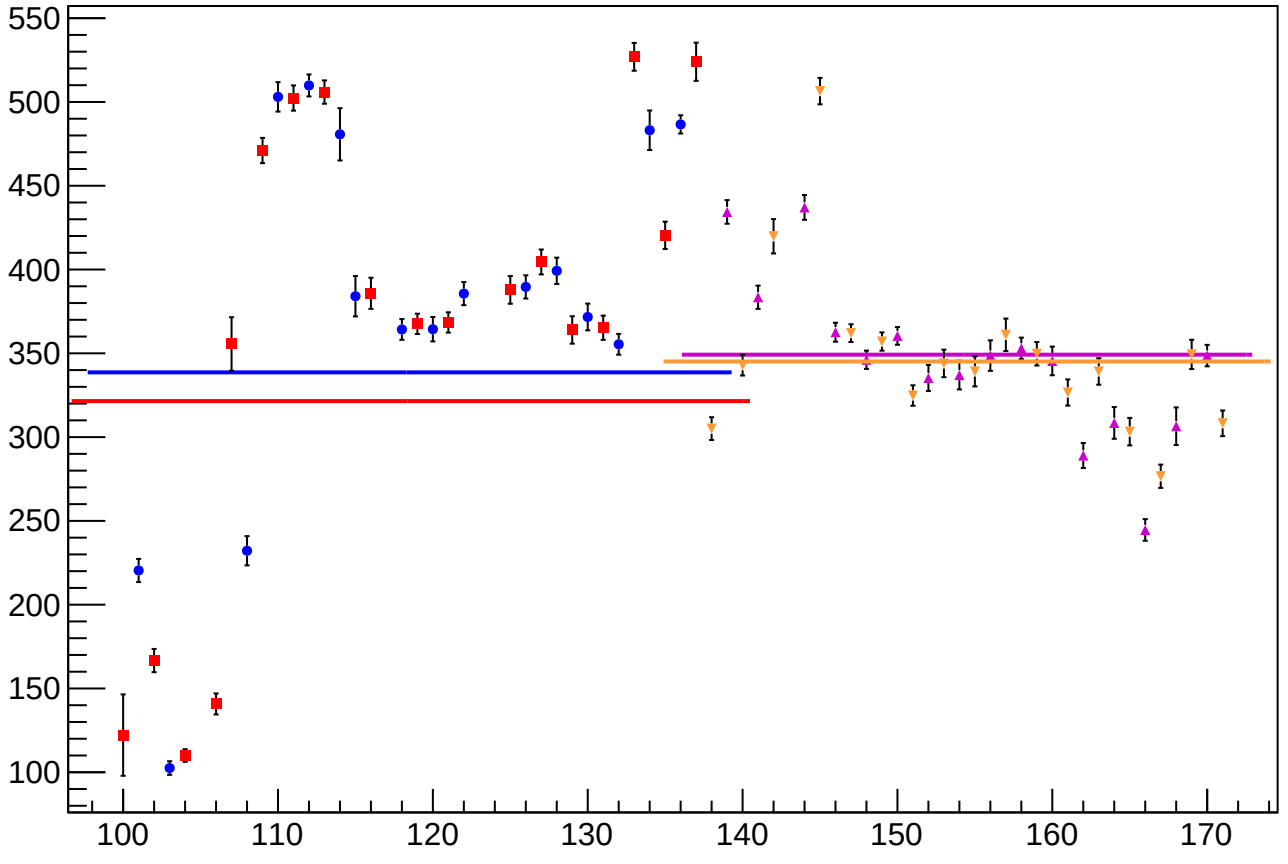
Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 15.043+/-1.220 χ^2/NDF:250.6/15

+ sign 17.840+/-0.959 χ^2/NDF: 425.5/32

All: 17.860+/-0.680 χ^2/NDF: 813.8/66

- sign 17.881+/-0.963 χ^2/NDF: 388.3/33



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 345.135+/-1.752 χ^2/NDF:690.2/16

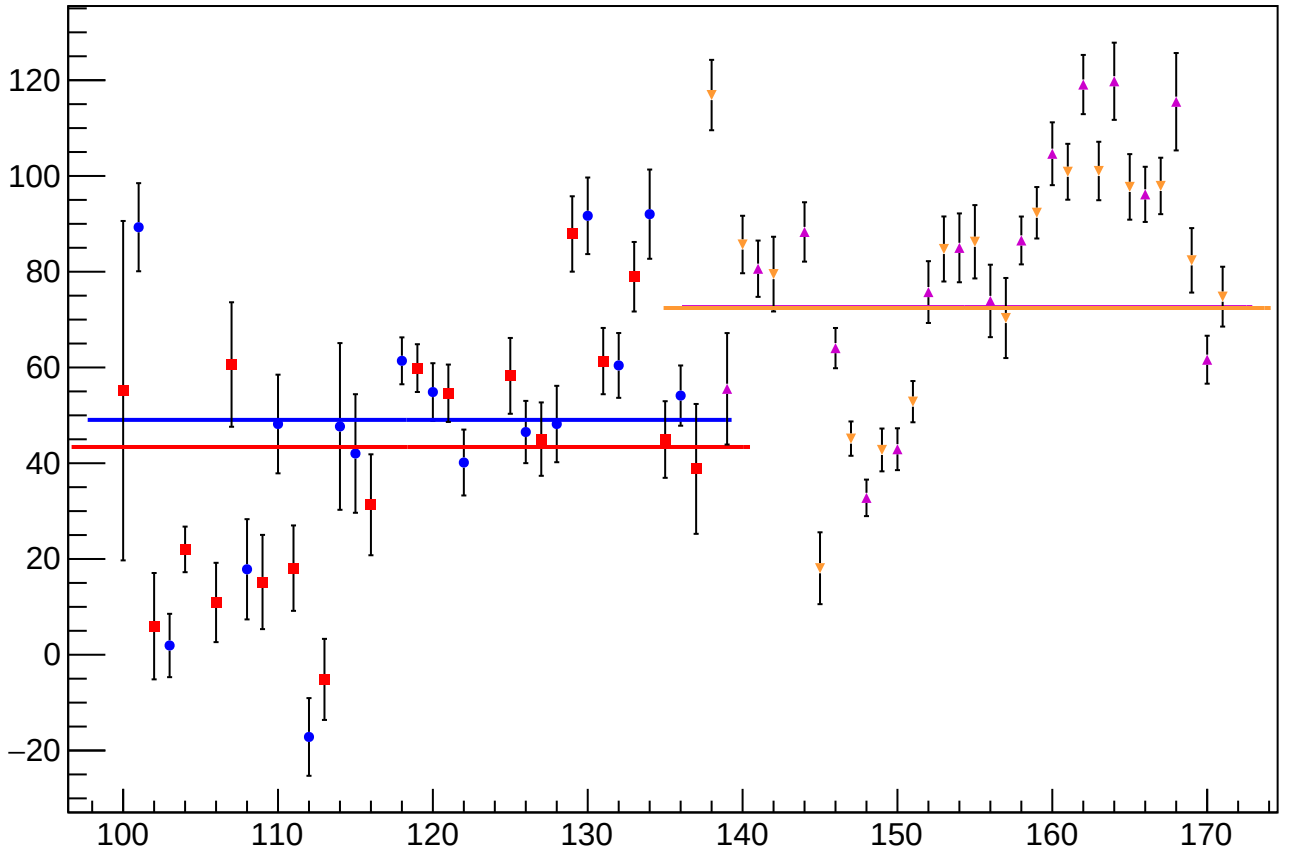
Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 349.190+/-1.753 χ^2/NDF:688.0/15

+ sign 341.877+/-1.238 χ^2/NDF: 6739.7/32

All: 338.320+/-0.868 χ^2/NDF: 15293.8/66

- sign 334.873+/-1.218 χ^2/NDF: 8537.8/33



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 72.422+/-1.409 χ^2/NDF:318.1/16

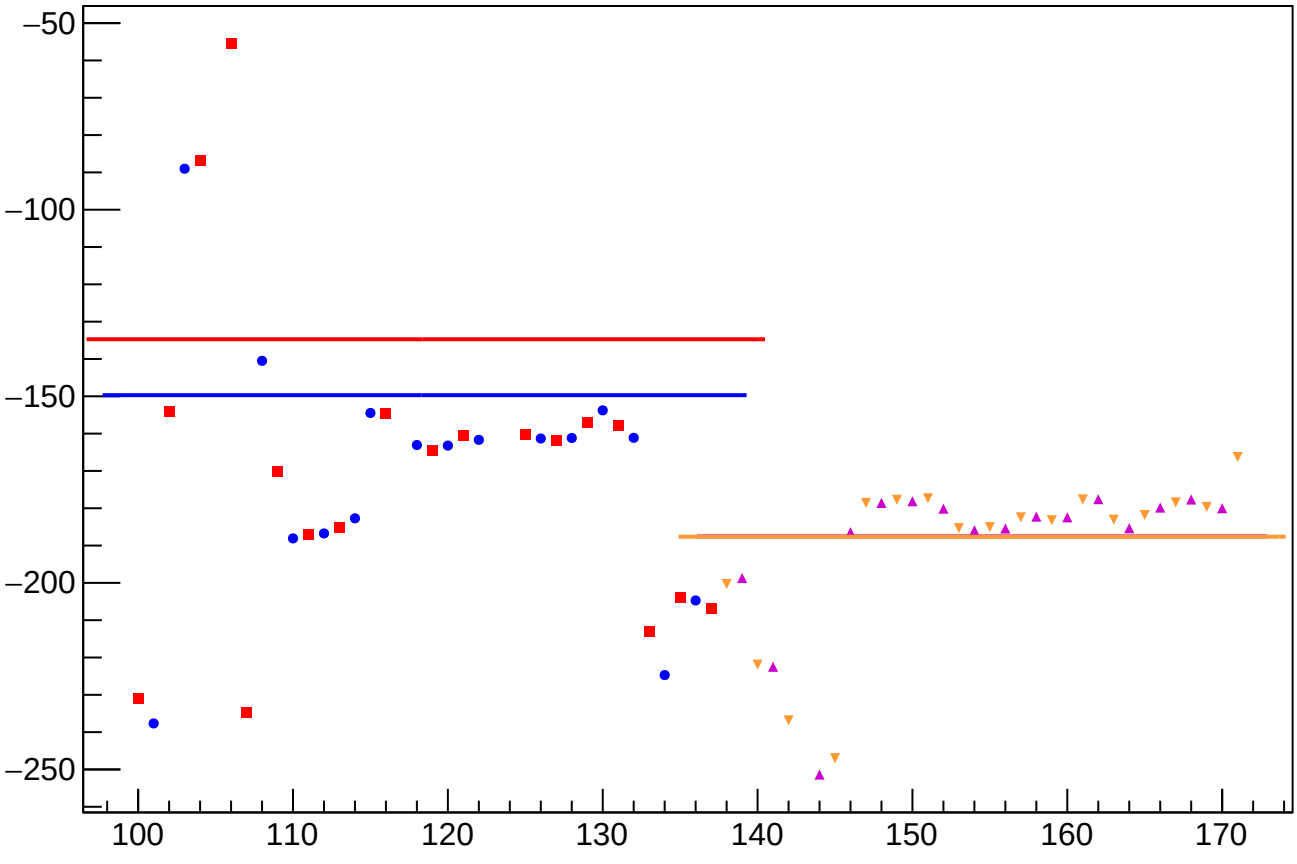
Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.617+/-1.435 χ^2/NDF:334.7/15

+ sign 64.032+/-1.128 χ^2/NDF: 624.8/32

All: 62.775+/-0.798 χ^2/NDF: 1299.4/66

- sign 61.513+/-1.130 χ^2/NDF: 672.1/33



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -187.629+/-0.067 χ^2/NDF:84127.1/16

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

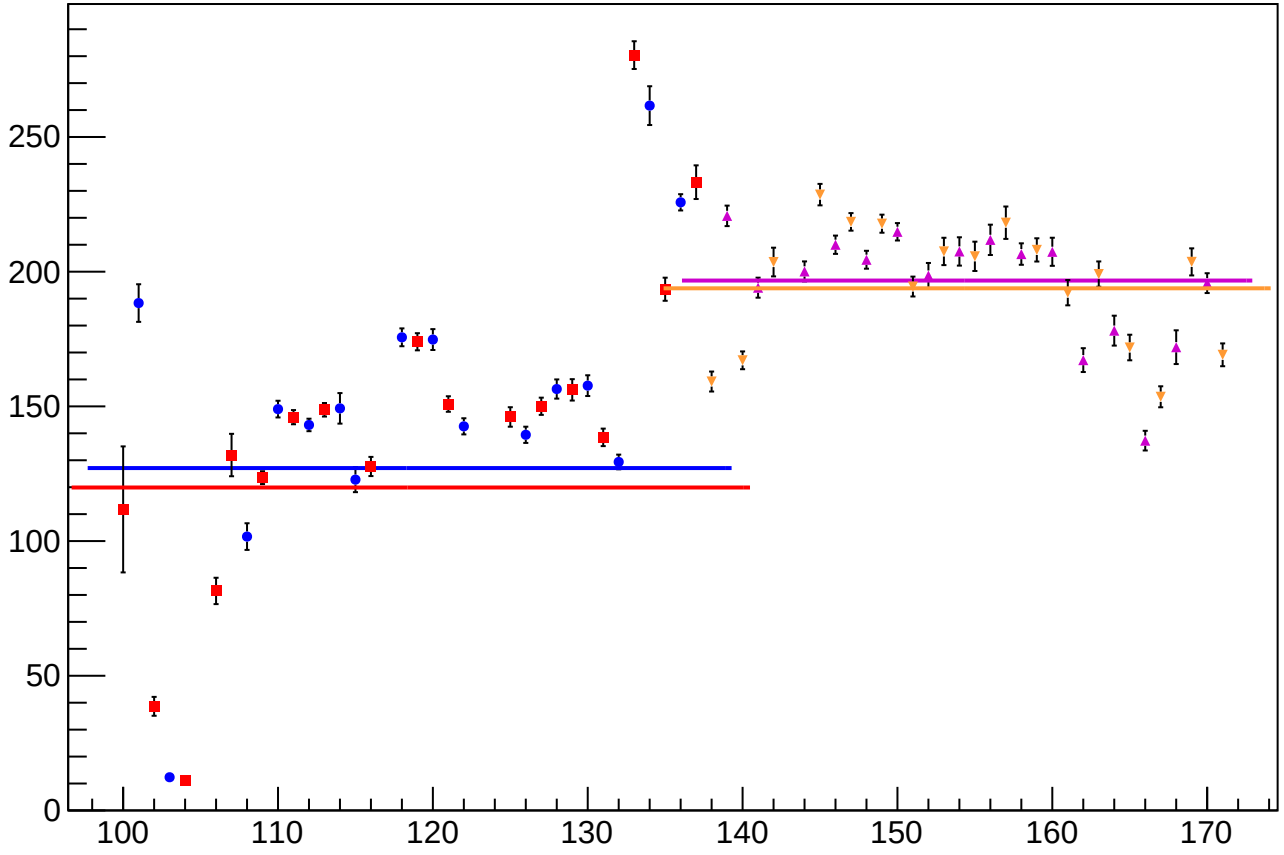
Left In: -187.542+/-0.067 χ^2/NDF:63422.7/15

+ sign -176.057+/-0.056 χ^2/NDF: 438961.0/32

All: -173.309+/-0.039 χ^2/NDF: 1021552.9/66

- sign -170.642+/-0.055 χ^2/NDF: 577793.4/33

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.828+/-1.016 χ^2/NDF:547.5/16

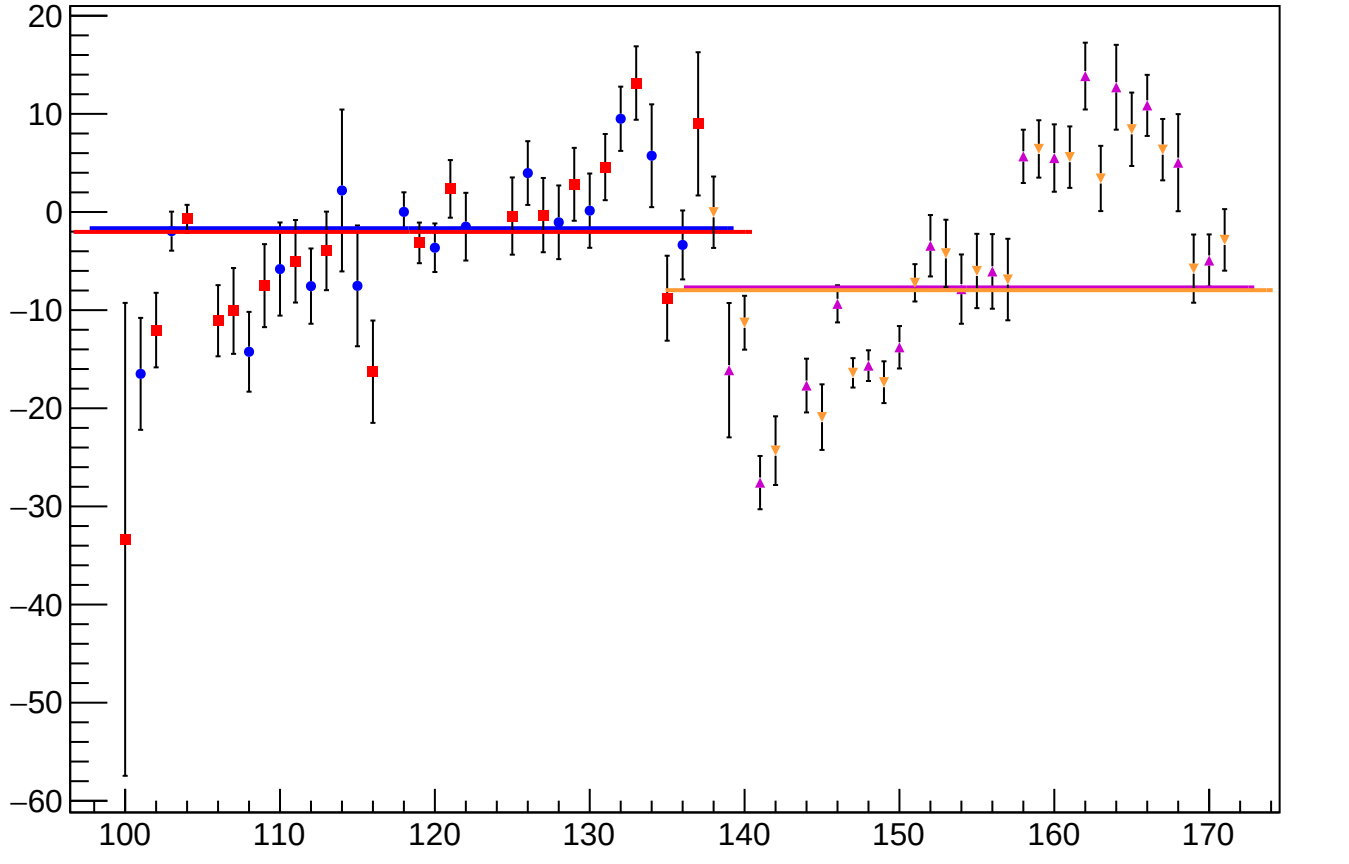
Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 196.709+/-1.022 χ^2/NDF:451.2/15

+ sign 153.078+/-0.634 χ^2/NDF: 9347.5/32

All: 150.427+/-0.442 χ^2/NDF: 20074.5/66

- sign 147.913+/-0.617 χ^2/NDF: 10692.9/33



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -7.966+/-0.674 χ^2/NDF:193.7/16

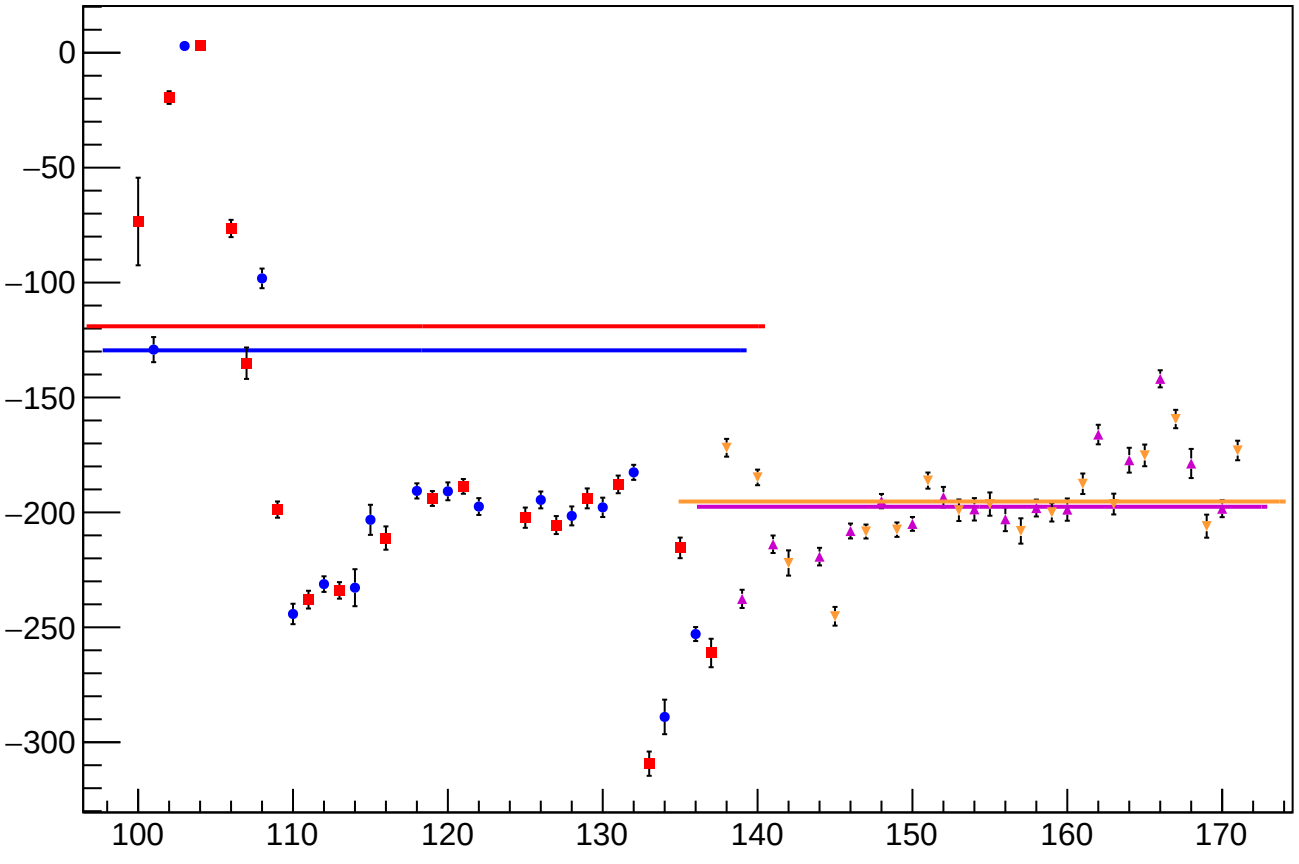
Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.686+/-0.692 χ^2/NDF:249.7/15

+ sign -5.468+/-0.524 χ^2/NDF: 267.6/32

All: -5.311+/-0.367 χ^2/NDF: 605.8/66

- sign -5.159+/-0.515 χ^2/NDF: 338.1/33



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -195.260+/-0.990 χ^2/NDF:401.7/16

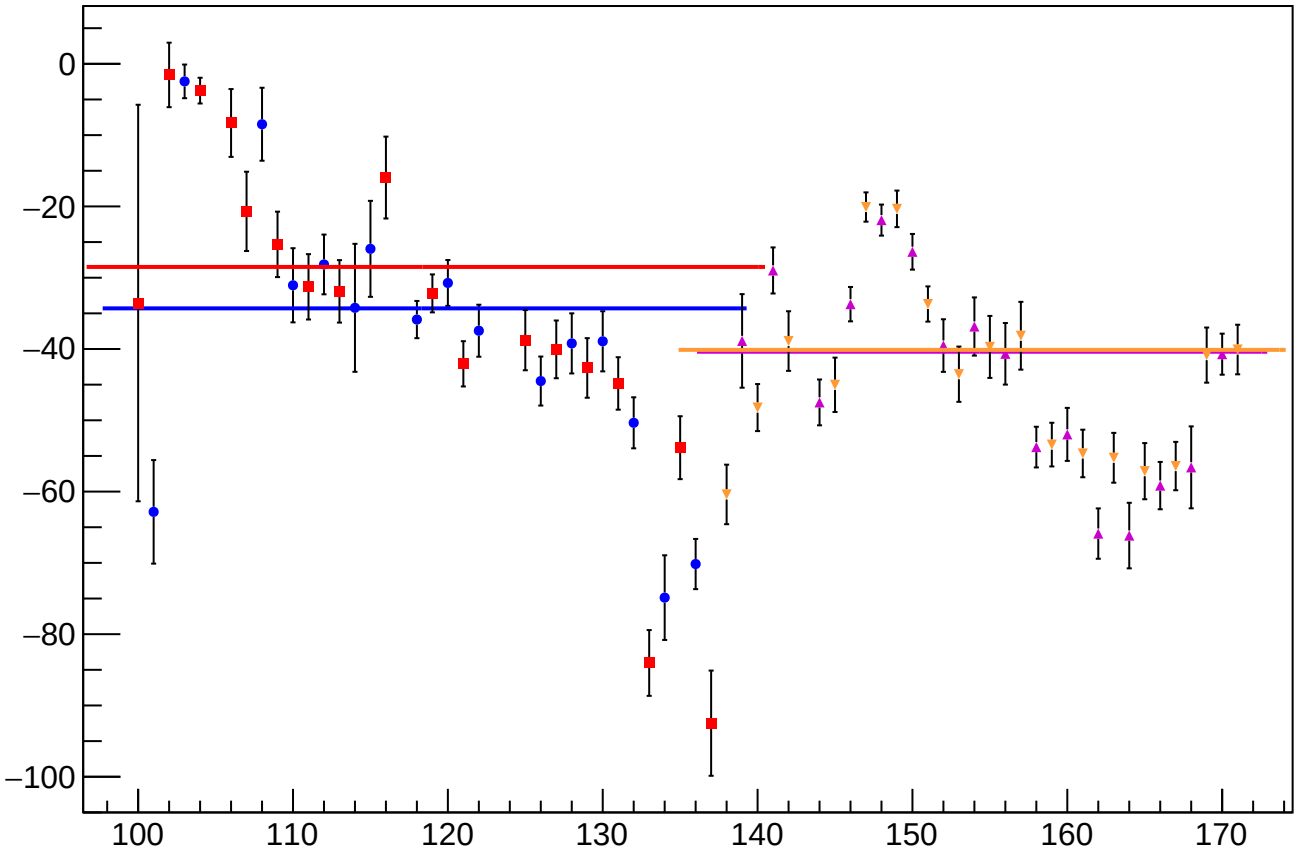
Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -197.549+/-0.992 χ^2/NDF:472.8/15

+ sign -157.268+/-0.643 χ^2/NDF: 17638.9/32

All: -153.832+/-0.450 χ^2/NDF: 38092.2/66

- sign -150.549+/-0.629 χ^2/NDF: 20397.5/33



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -40.119+/-0.798 χ^2/NDF:292.1/16

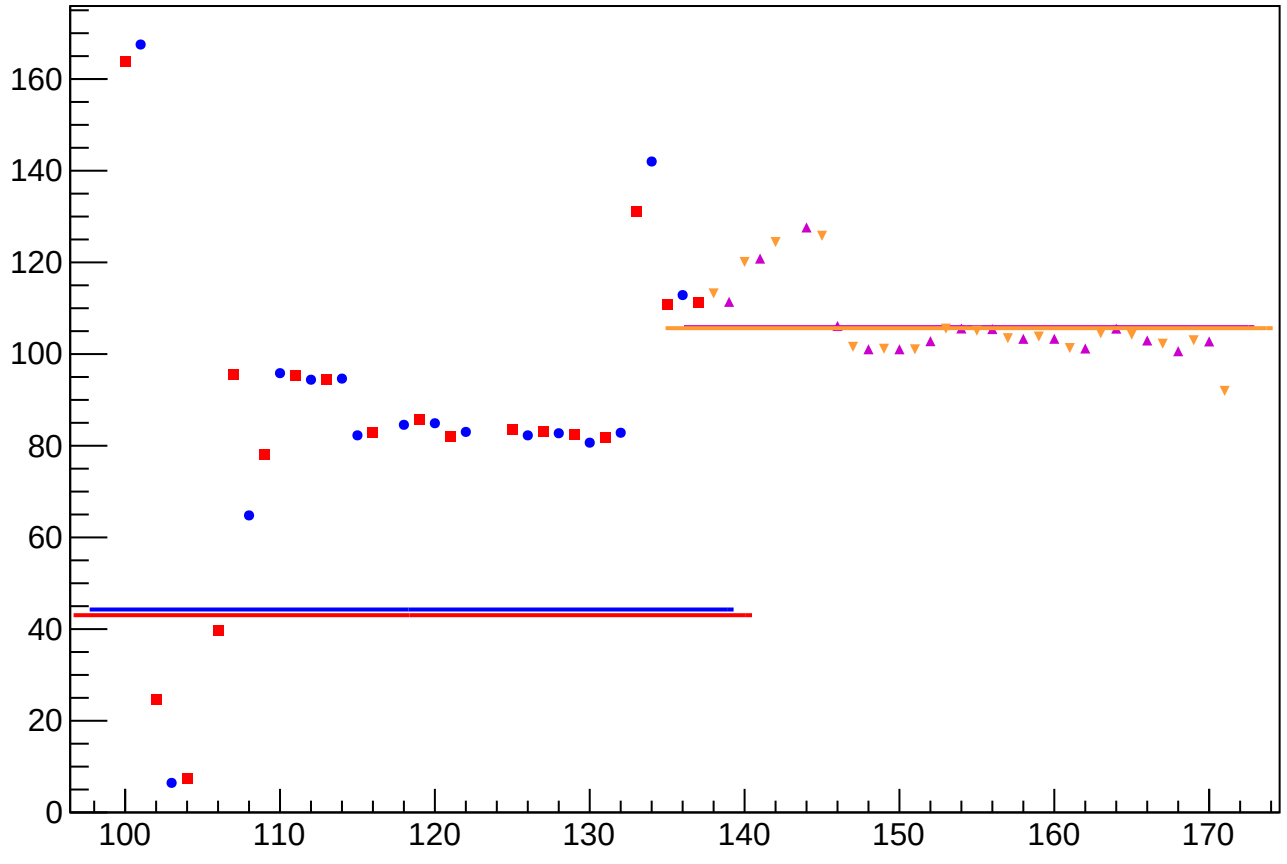
Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.384+/-0.814 χ^2/NDF:284.4/15

+ sign -37.765+/-0.616 χ^2/NDF: 724.9/32

All: -36.399+/-0.432 χ^2/NDF: 1682.3/66

- sign -35.077+/-0.606 χ^2/NDF: 947.7/33



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 105.650+/-0.038 χ^2/NDF:48257.3/16

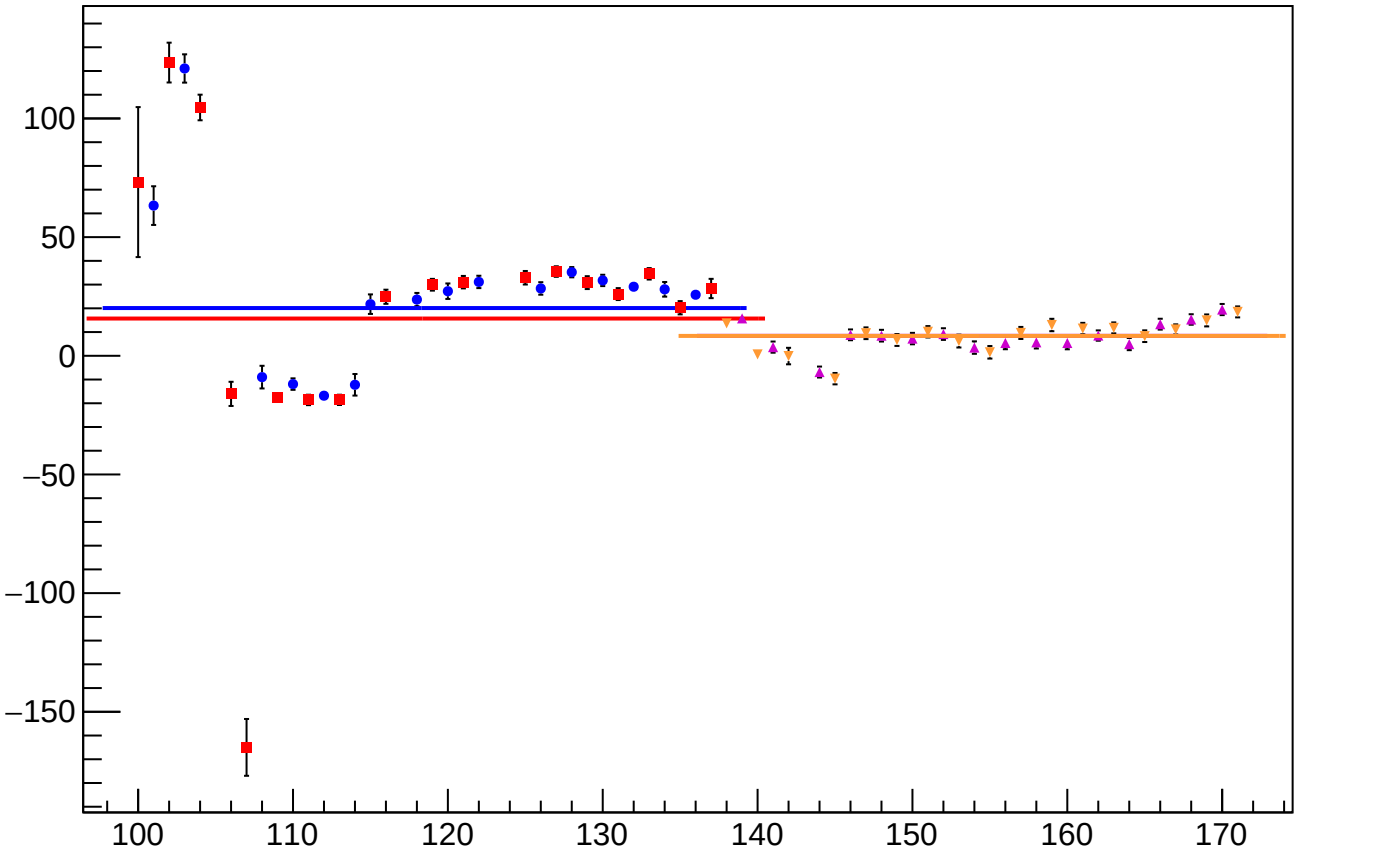
Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 105.880+/-0.038 χ^2/NDF:33229.3/15

+ sign 80.234+/-0.029 χ^2/NDF: 2226102.2/32

All: 80.100+/-0.020 χ^2/NDF: 4208802.0/66

- sign 79.966+/-0.029 χ^2/NDF: 1982656.6/33



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.380+/-0.589 χ^2/NDF:126.1/16

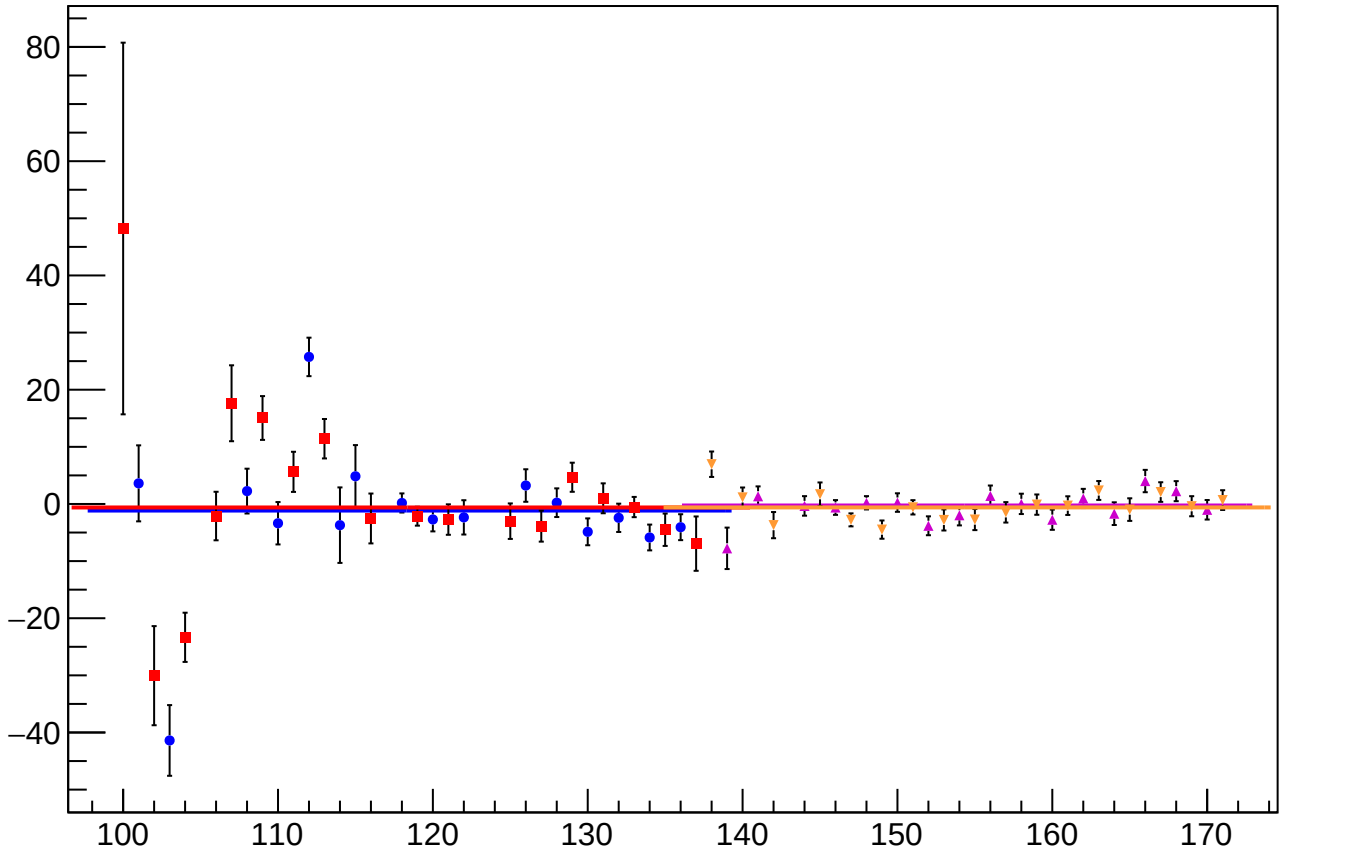
Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.408+/-0.595 χ^2/NDF:107.1/15

\+ sign 13.353+/-0.447 χ^2/NDF: 1342.4/32

All: 12.458+/-0.317 χ^2/NDF: 3296.3/66

\- sign 11.558+/-0.448 χ^2/NDF: 1945.8/33



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.605+/-0.409 χ^2/NDF:34.6/16

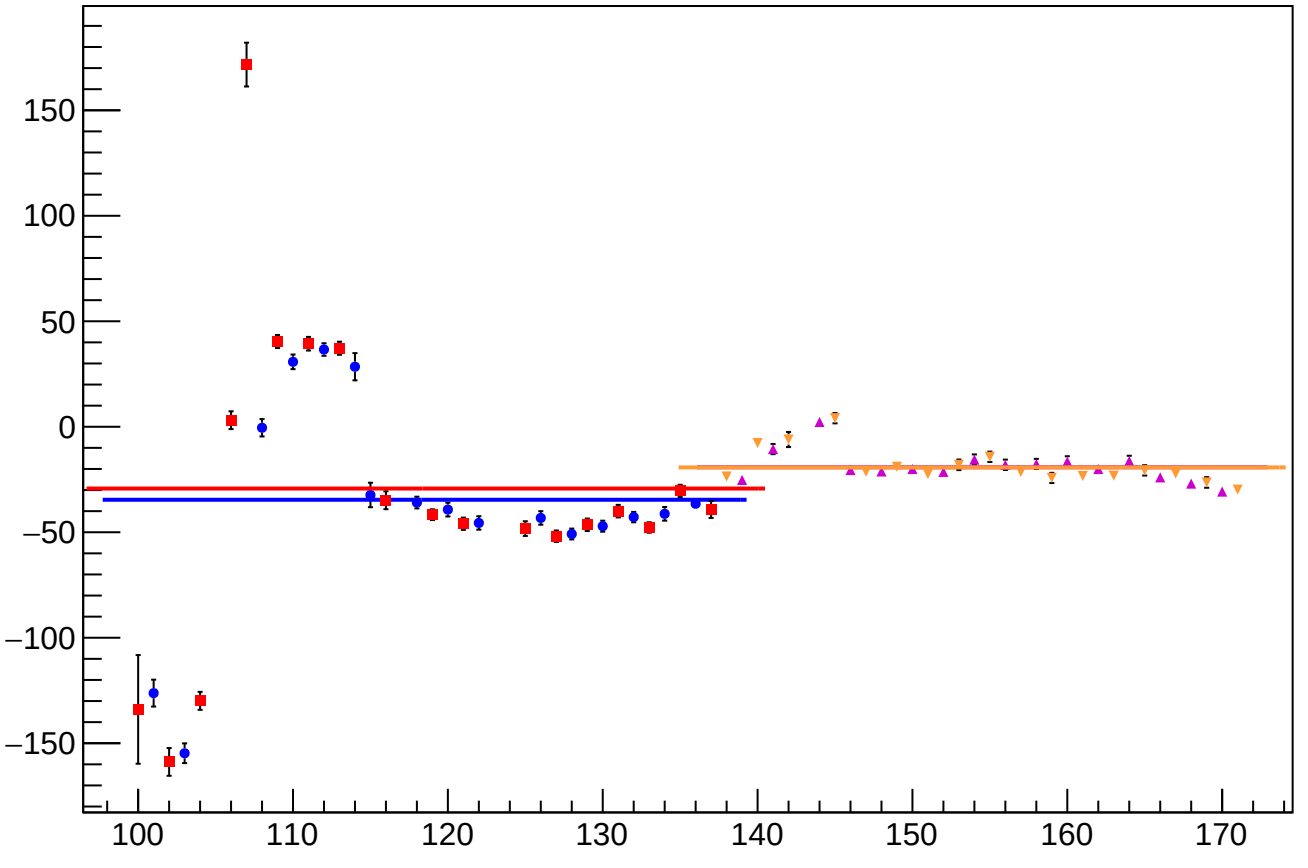
Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.268+/-0.422 χ^2/NDF:21.9/15

+ sign -0.744+/-0.353 χ^2/NDF: 156.9/32

All: -0.556+/-0.253 χ^2/NDF: 273.0/66

- sign -0.358+/-0.363 χ^2/NDF: 115.5/33



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.273+/-0.575 χ^2/NDF:187.1/16

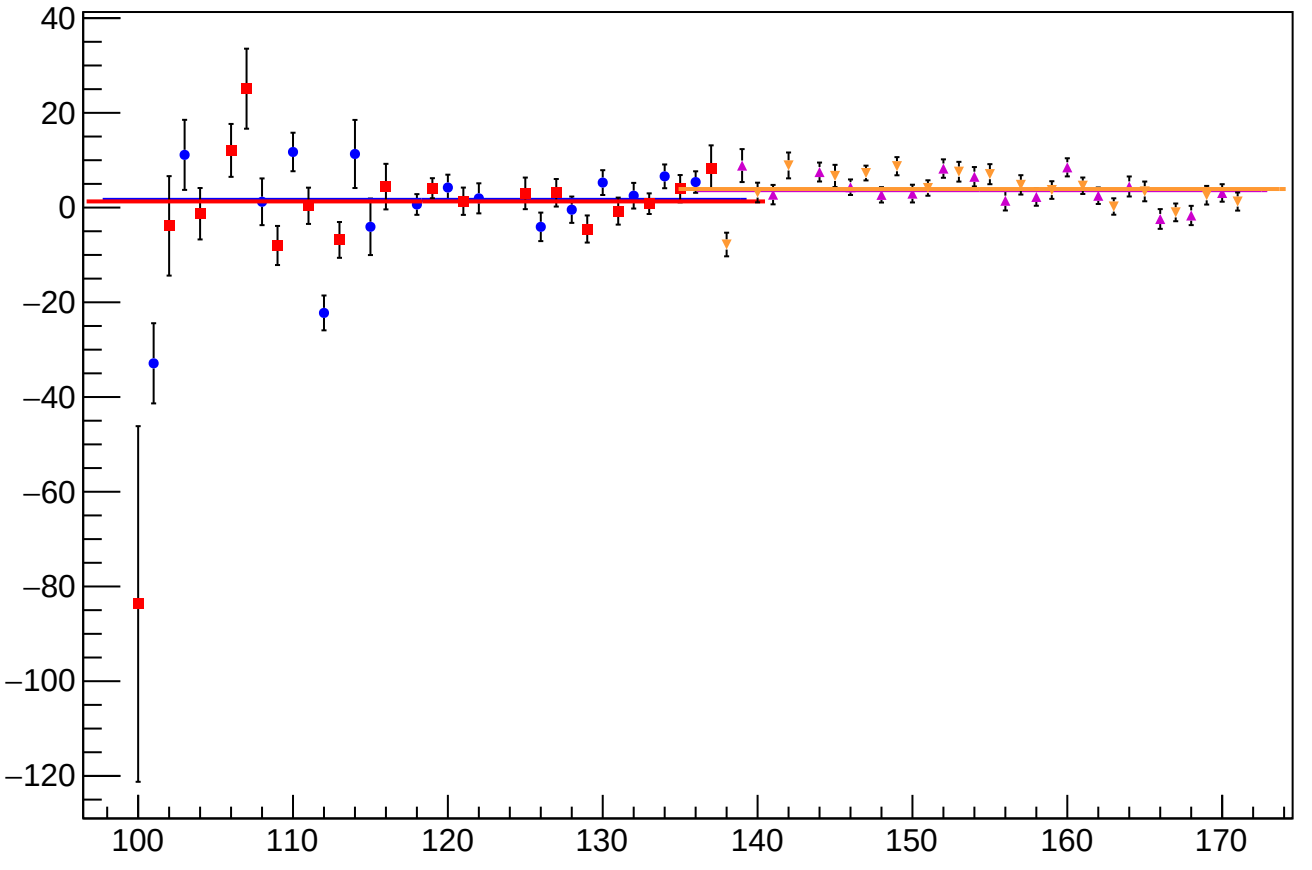
Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.191+/-0.579 χ^2/NDF:150.6/15

+ sign -24.615+/-0.464 χ^2/NDF: 2493.1/32

All: -23.650+/-0.330 χ^2/NDF: 5837.8/66

- sign -22.663+/-0.469 χ^2/NDF: 3335.9/33



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.916+/-0.473 χ^2/NDF:57.4/16

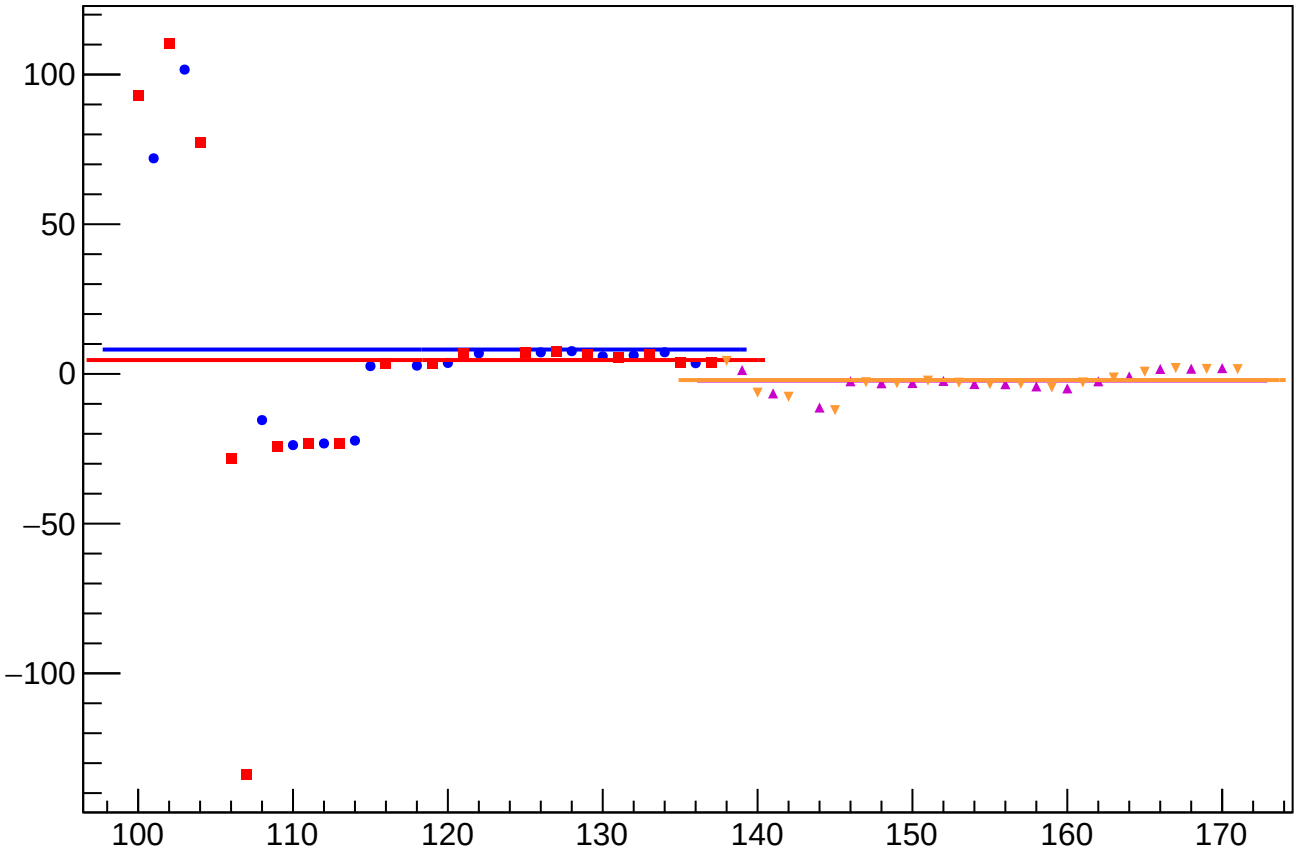
Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.675+/-0.487 χ^2/NDF:38.4/15

+ sign 3.320+/-0.407 χ^2/NDF: 146.8/32

All: 3.189+/-0.292 χ^2/NDF: 229.2/66

- sign 3.052+/-0.418 χ^2/NDF: 82.2/33



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -2.057+/-0.021 χ^2/NDF:29285.8/16

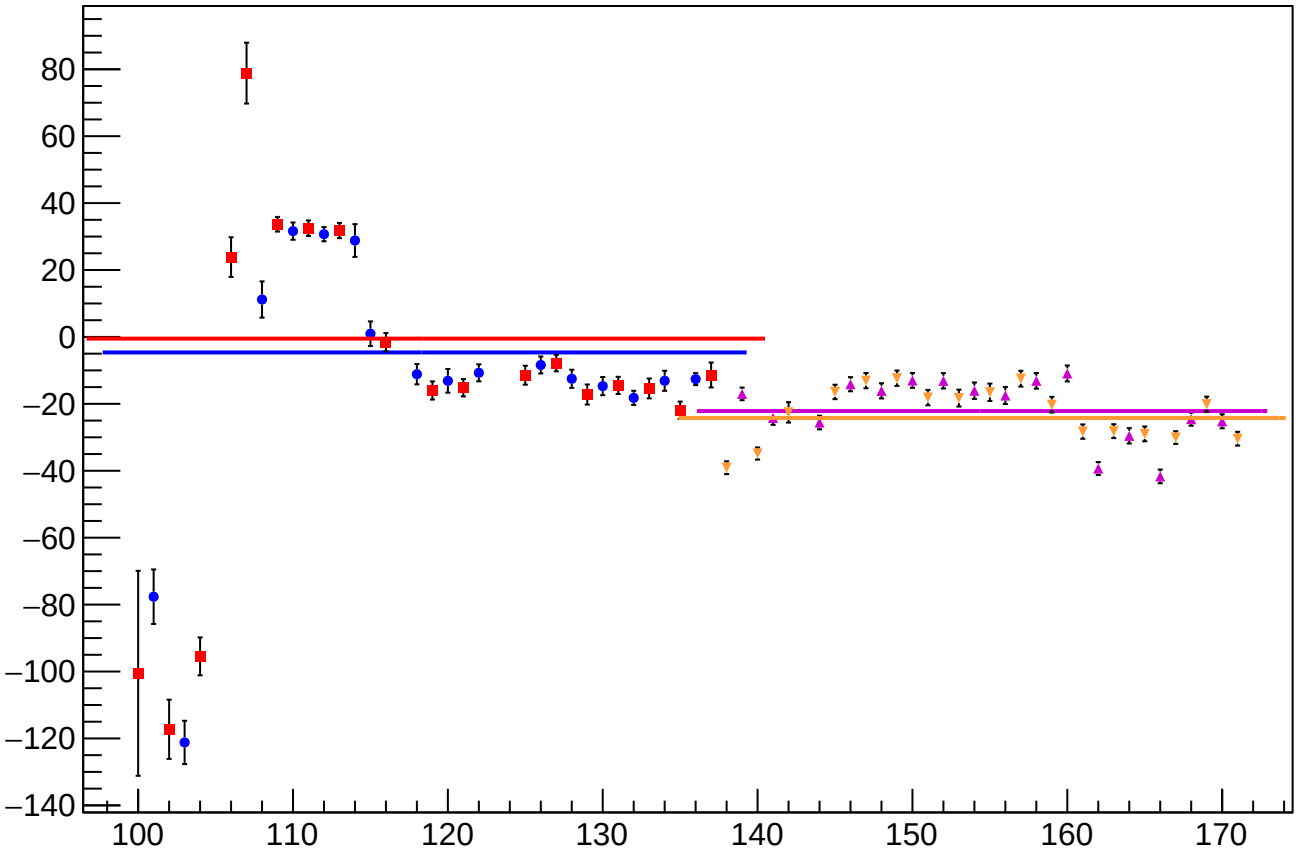
Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -2.207+/-0.022 χ^2/NDF:20604.3/15

+ sign -0.398+/-0.020 χ^2/NDF: 379893.2/32

All: -0.789+/-0.014 χ^2/NDF: 863067.7/66

- sign -1.195+/-0.020 χ^2/NDF: 482355.7/33



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.215+/-0.535 χ^2/NDF:240.3/16

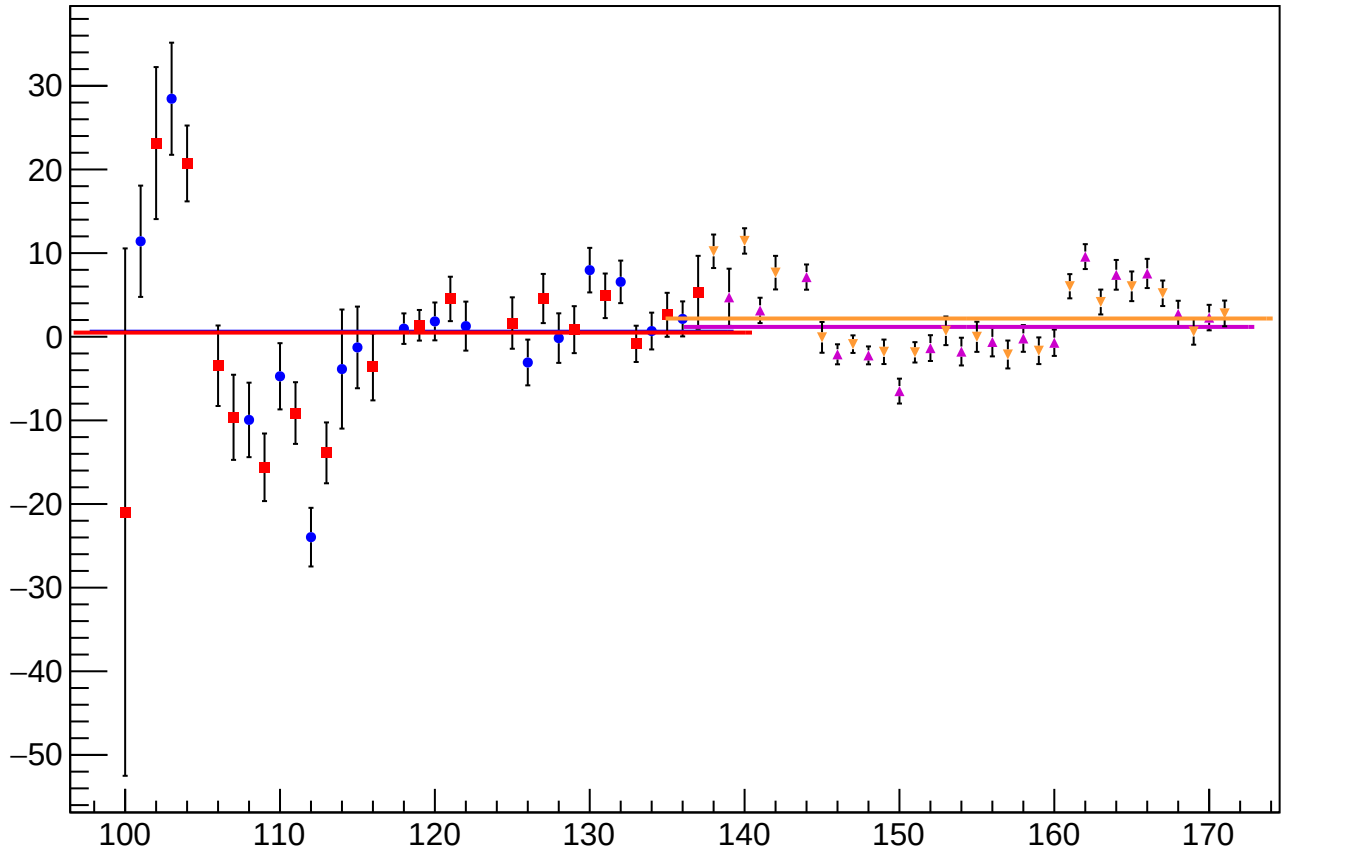
Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -22.140+/-0.540 χ^2/NDF:296.1/15

+ sign -17.141+/-0.428 χ^2/NDF: 1769.9/32

All: -15.687+/-0.303 χ^2/NDF: 4134.1/66

- sign -14.215+/-0.430 χ^2/NDF: 2340.9/33



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.180+/-0.373 χ^2/NDF:122.7/16

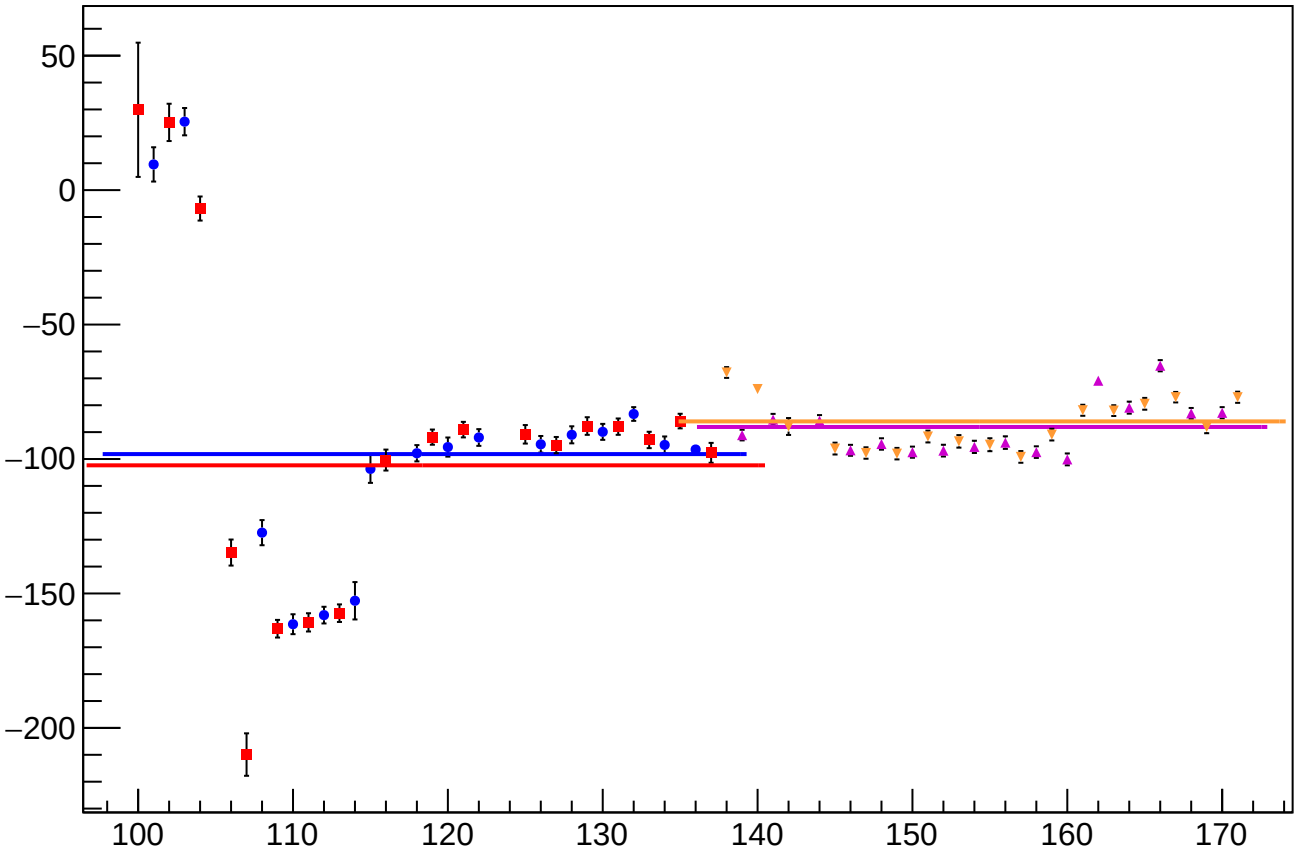
Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.175+/-0.383 χ^2/NDF:130.7/15

+ sign 1.851+/-0.332 χ^2/NDF: 219.3/32

All: 1.455+/-0.238 χ^2/NDF: 433.7/66

- sign 1.036+/-0.341 χ^2/NDF: 211.5/33



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.010+/-0.523 χ^2/NDF:336.4/16

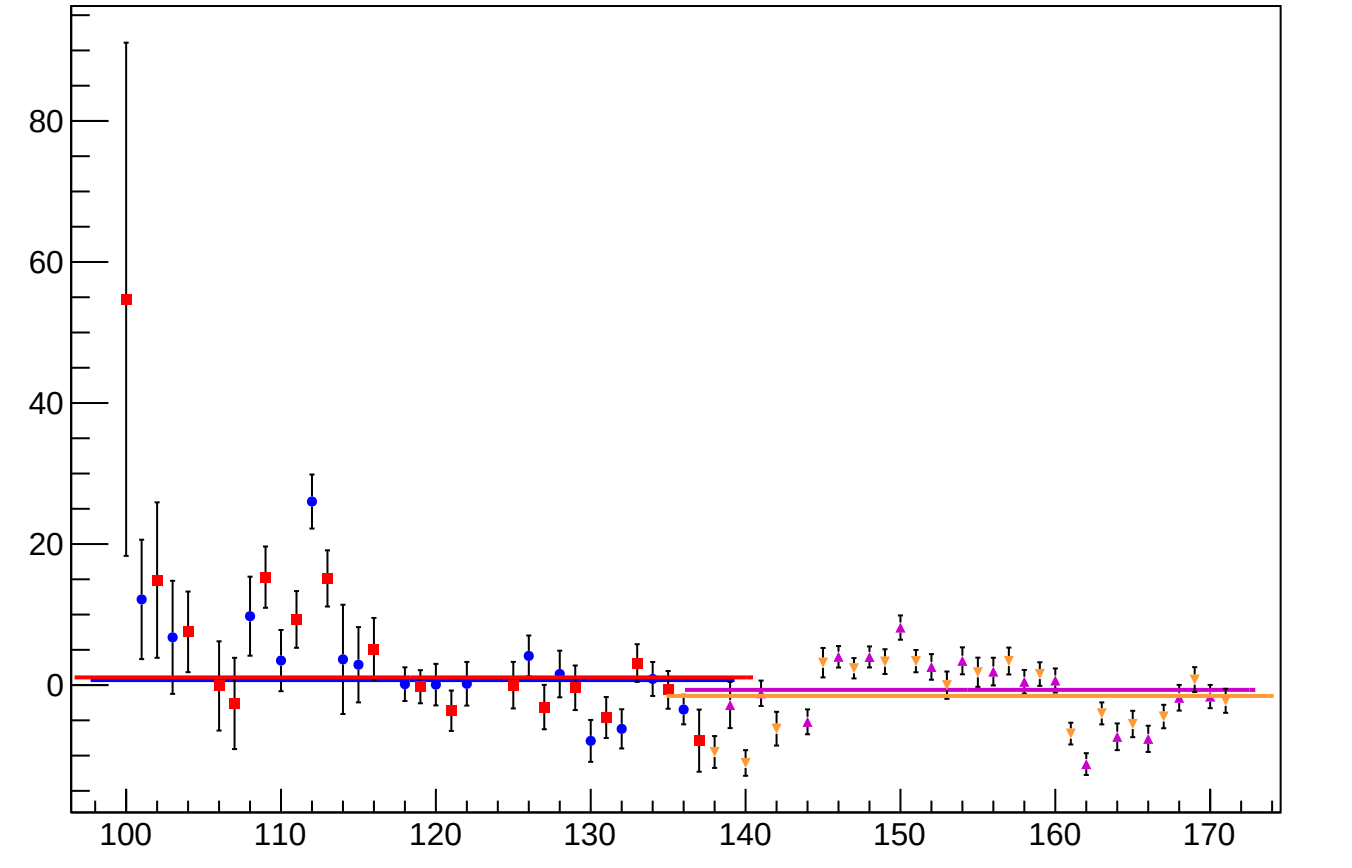
Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.085+/-0.527 χ^2/NDF:362.5/15

+ sign -89.574+/-0.440 χ^2/NDF: 2194.5/32

All: -90.836+/-0.313 χ^2/NDF: 4899.2/66

- sign -92.132+/-0.446 χ^2/NDF: 2688.0/33



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.539+/-0.431 χ^2/NDF:110.9/16

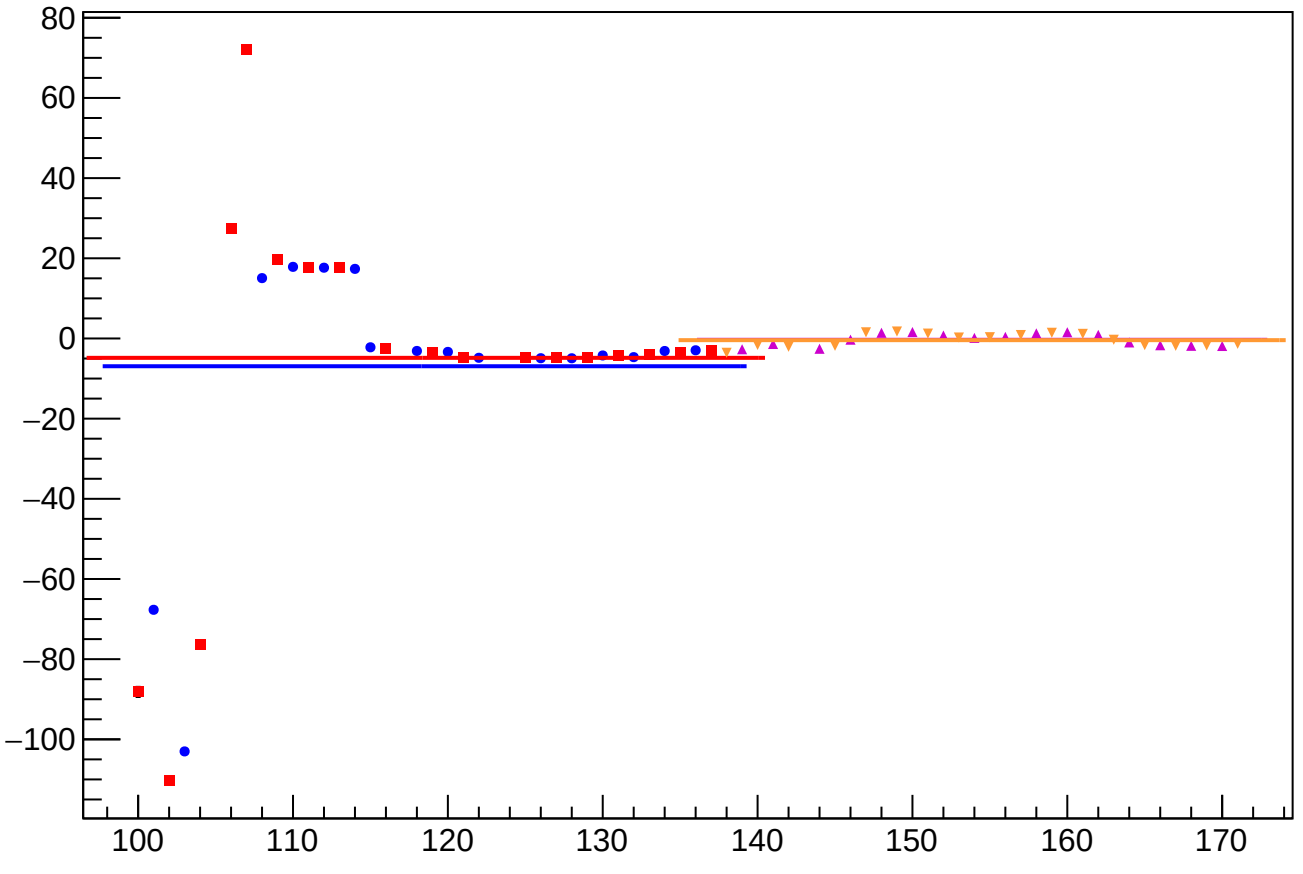
Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.679+/-0.441 χ^2/NDF:136.8/15

+ sign -1.054+/-0.382 χ^2/NDF: 186.4/32

All: -0.691+/-0.274 χ^2/NDF: 376.2/66

- sign -0.308+/-0.392 χ^2/NDF: 187.9/33



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.421+/-0.019 χ^2/NDF:6212.7/16

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

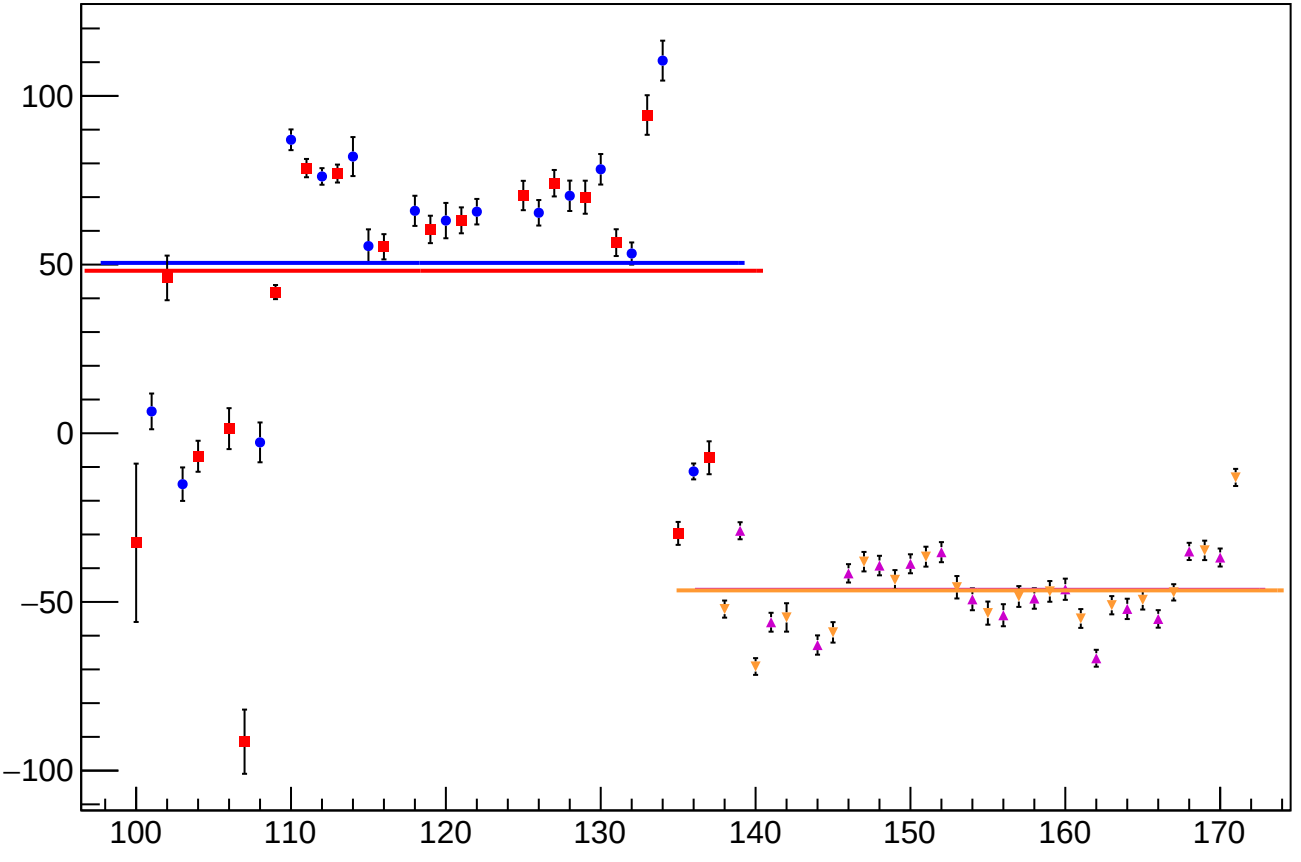
Left In: -0.331+/-0.020 χ^2/NDF:5715.0/15

+ sign -1.320+/-0.018 χ^2/NDF: 286887.5/32

All: -1.102+/-0.013 χ^2/NDF: 638649.9/66

- sign -0.876+/-0.018 χ^2/NDF: 351465.5/33

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -46.575+/-0.697 χ^2/NDF:337.0/16

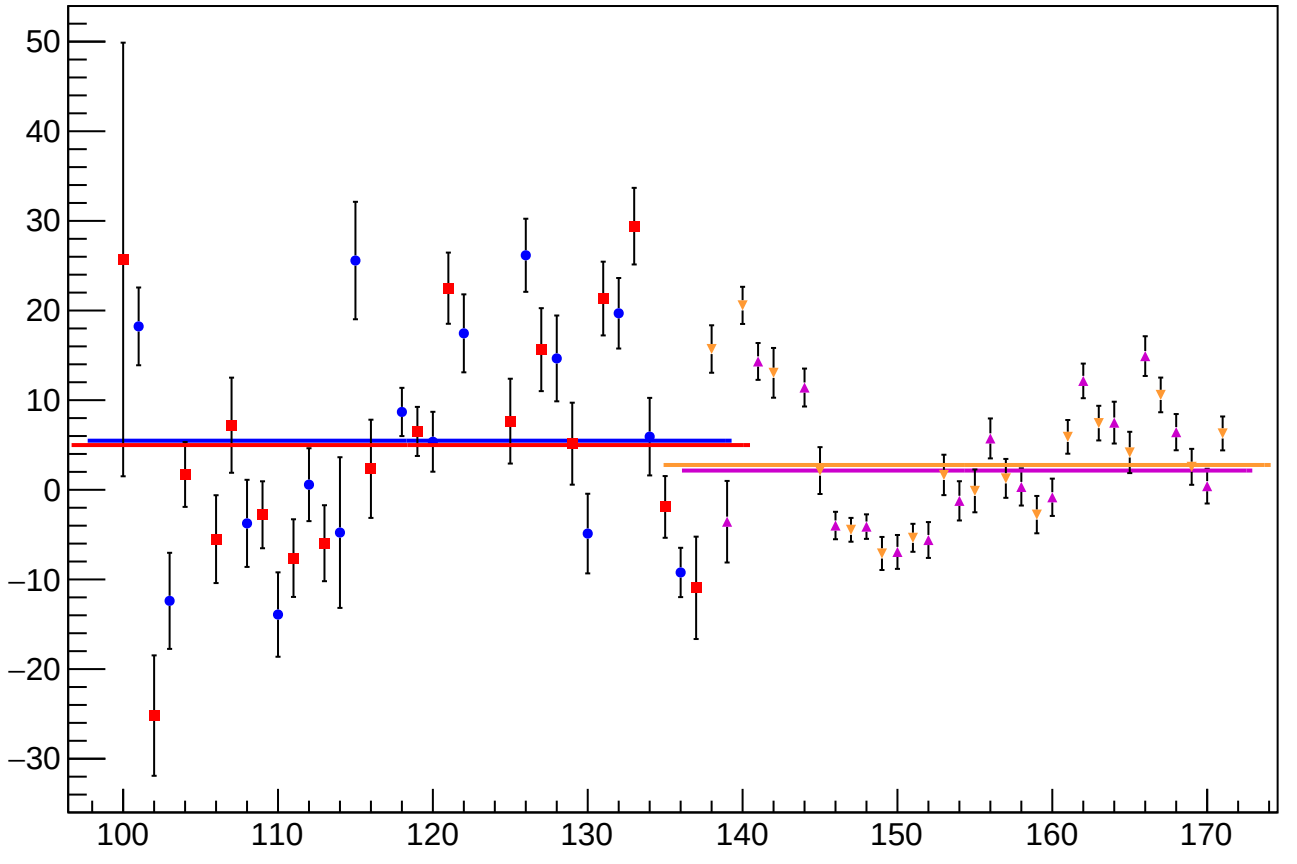
Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.408+/-0.705 χ^2/NDF:243.4/15

+ sign -13.301+/-0.565 χ^2/NDF: 8487.3/32

All: -12.203+/-0.397 χ^2/NDF: 16967.5/66

- sign -11.132+/-0.558 χ^2/NDF: 8472.7/33



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.771+/-0.484 χ^2/NDF:234.9/16

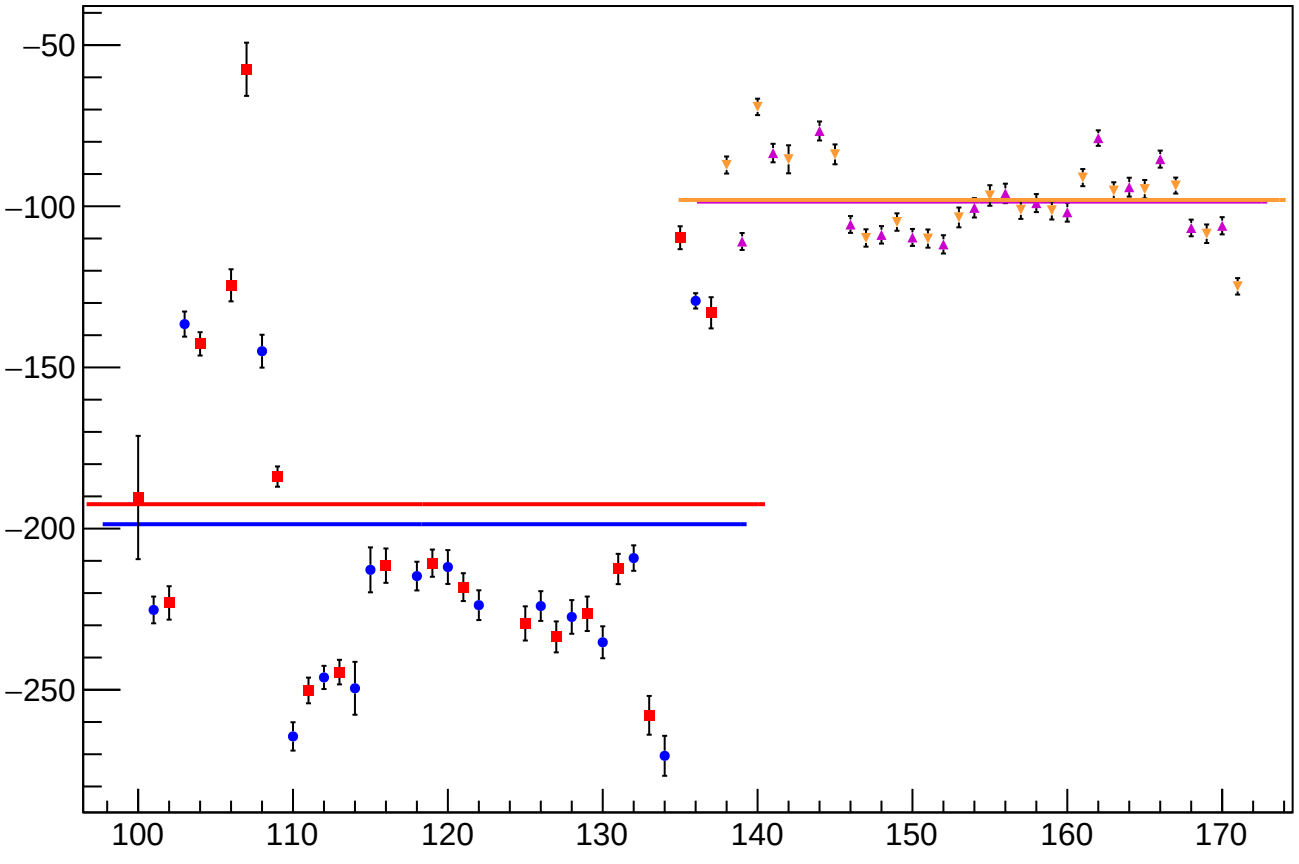
Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.147+/-0.498 χ^2/NDF:209.2/15

\+ sign 3.267+/-0.437 χ^2/NDF: 378.8/32

All: 2.986+/-0.313 χ^2/NDF: 726.9/66

\- sign 2.692+/-0.447 χ^2/NDF: 347.3/33



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -98.038+/-0.681 χ^2/NDF:359.9/16

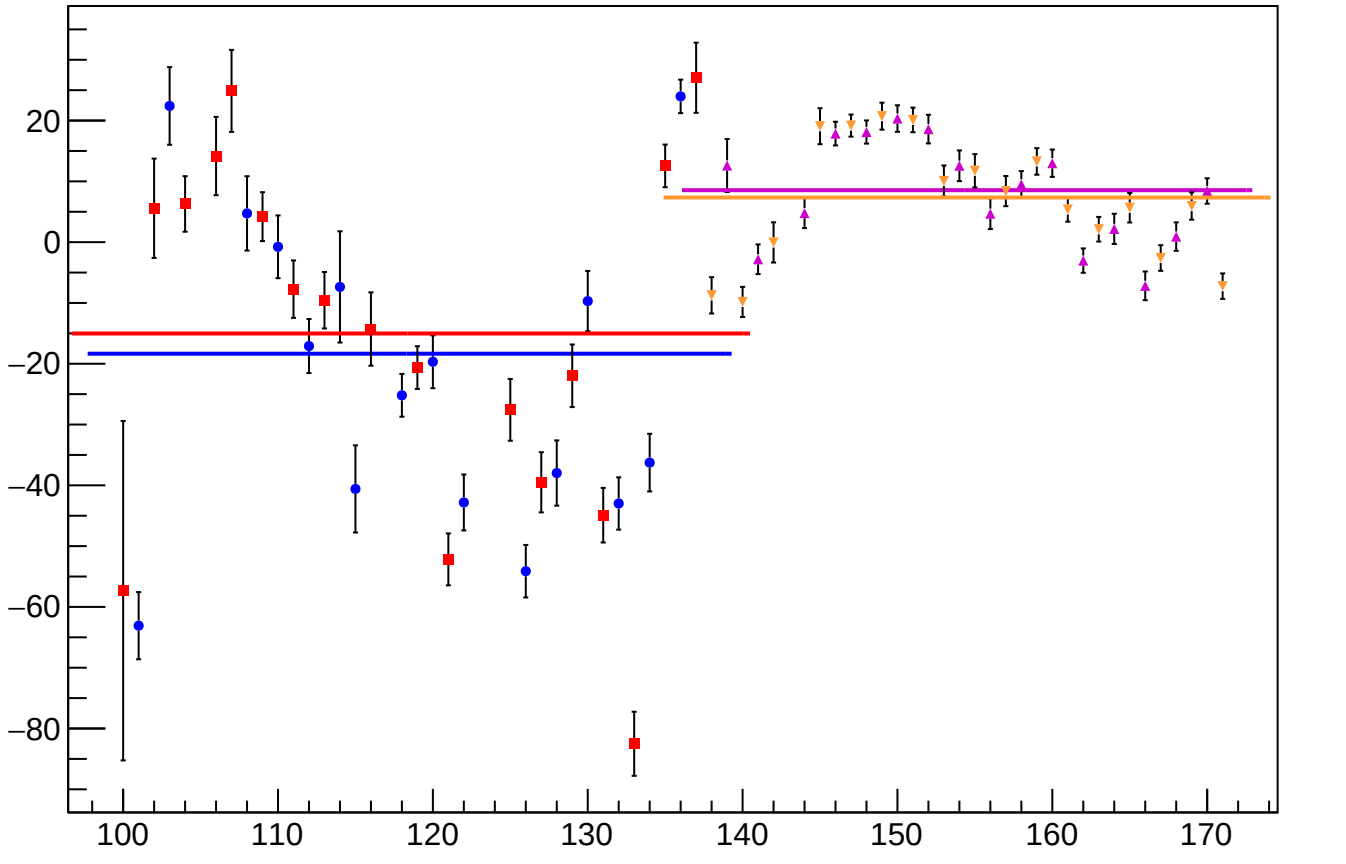
Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.548+/-0.687 χ^2/NDF:280.9/15

+ sign -126.529+/-0.577 χ^2/NDF: 8543.0/32

All: -126.061+/-0.409 χ^2/NDF: 16346.5/66

- sign -125.588+/-0.579 χ^2/NDF: 7802.1/33



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 7.347+/-0.559 χ^2/NDF:306.5/16

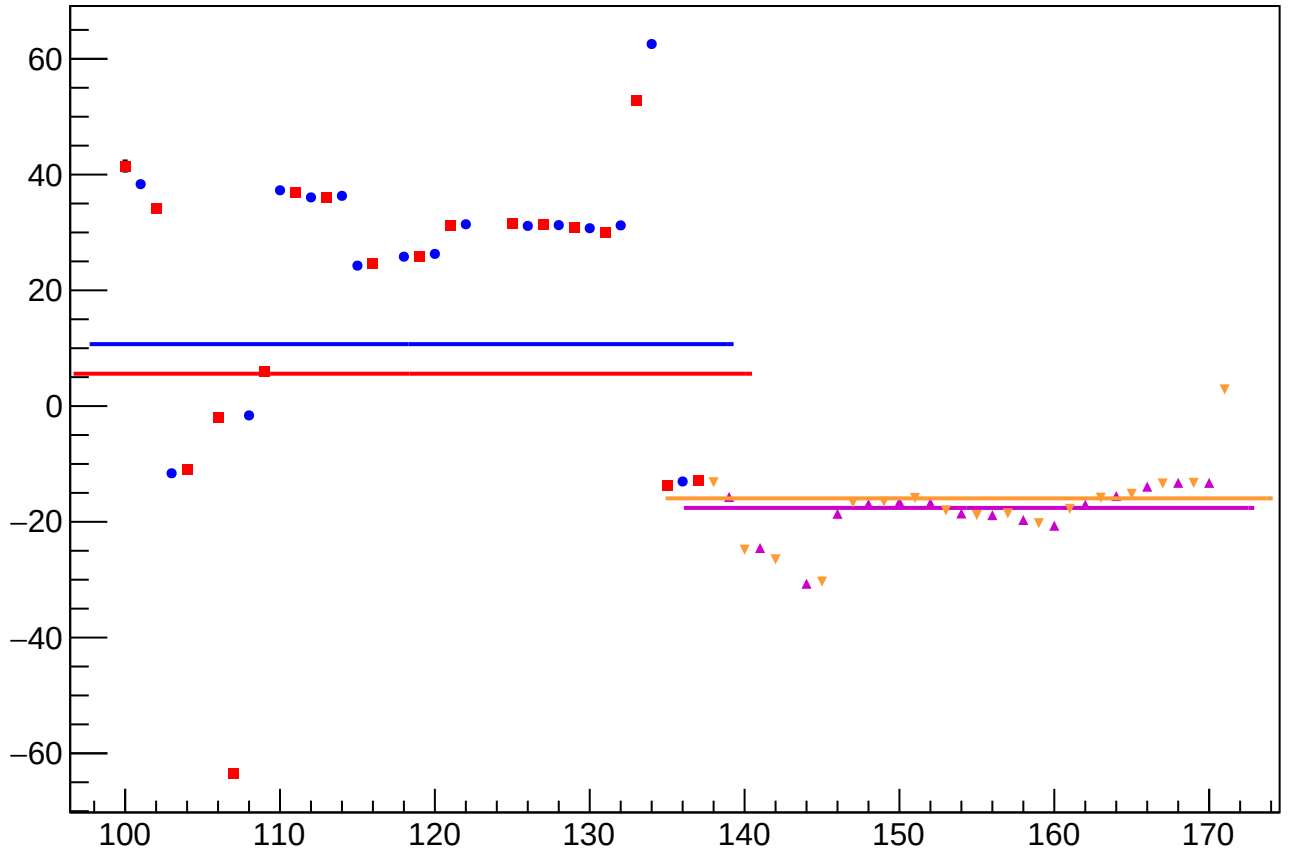
Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.549+/-0.574 χ^2/NDF:224.2/15

+ sign 2.503+/-0.503 χ^2/NDF: 1249.0/32

All: 3.197+/-0.360 χ^2/NDF: 2354.4/66

- sign 3.923+/-0.515 χ^2/NDF: 1101.5/33



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -15.944+/-0.025 χ^2/NDF:78696.6/16

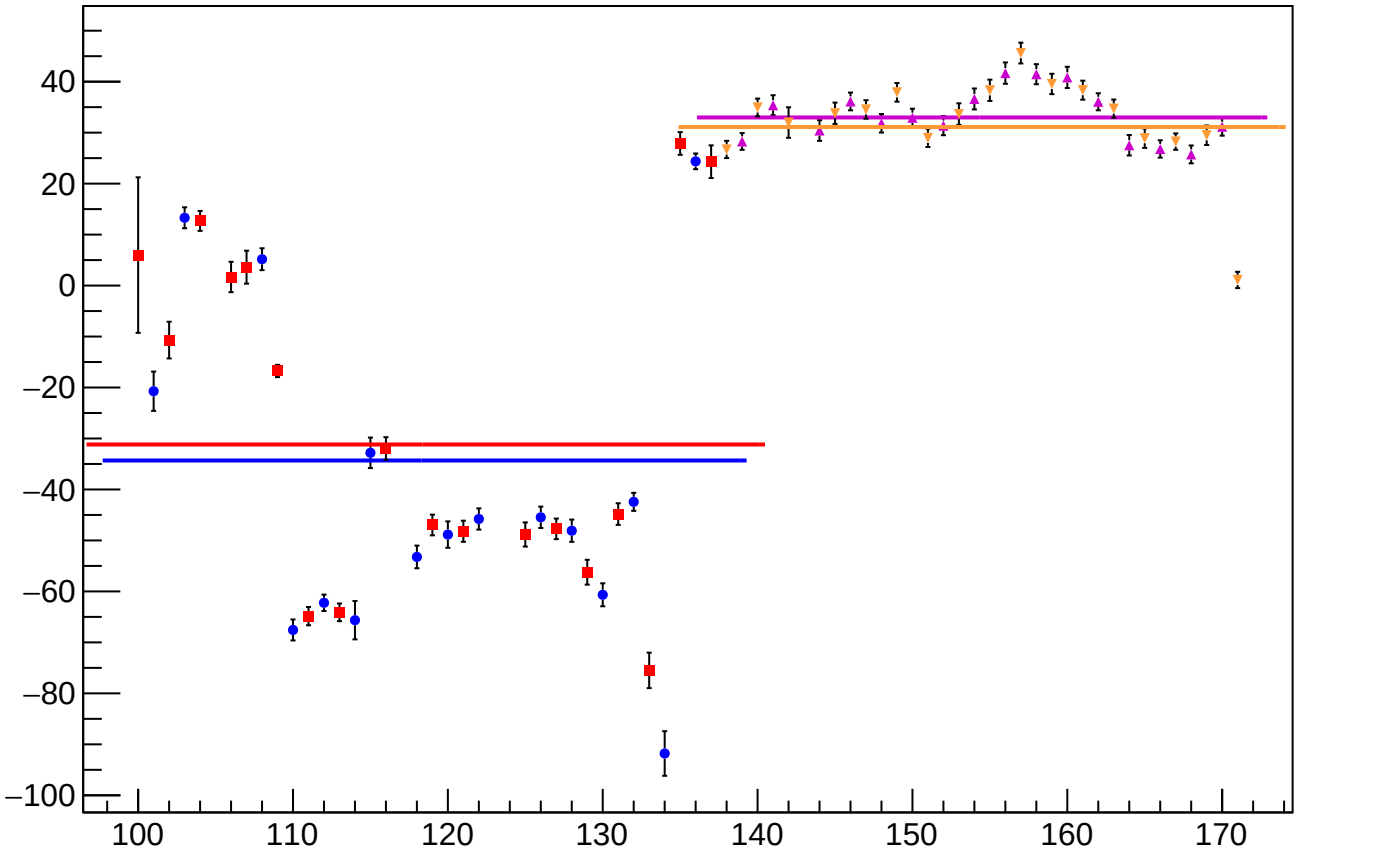
Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -17.596+/-0.026 χ^2/NDF:21838.6/15

+ sign -12.251+/-0.023 χ^2/NDF: 398155.0/32

All: -13.303+/-0.017 χ^2/NDF: 693519.3/66

- sign -14.381+/-0.024 χ^2/NDF: 291276.1/33



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 31.102+/-0.456 χ^2/NDF:491.9/16

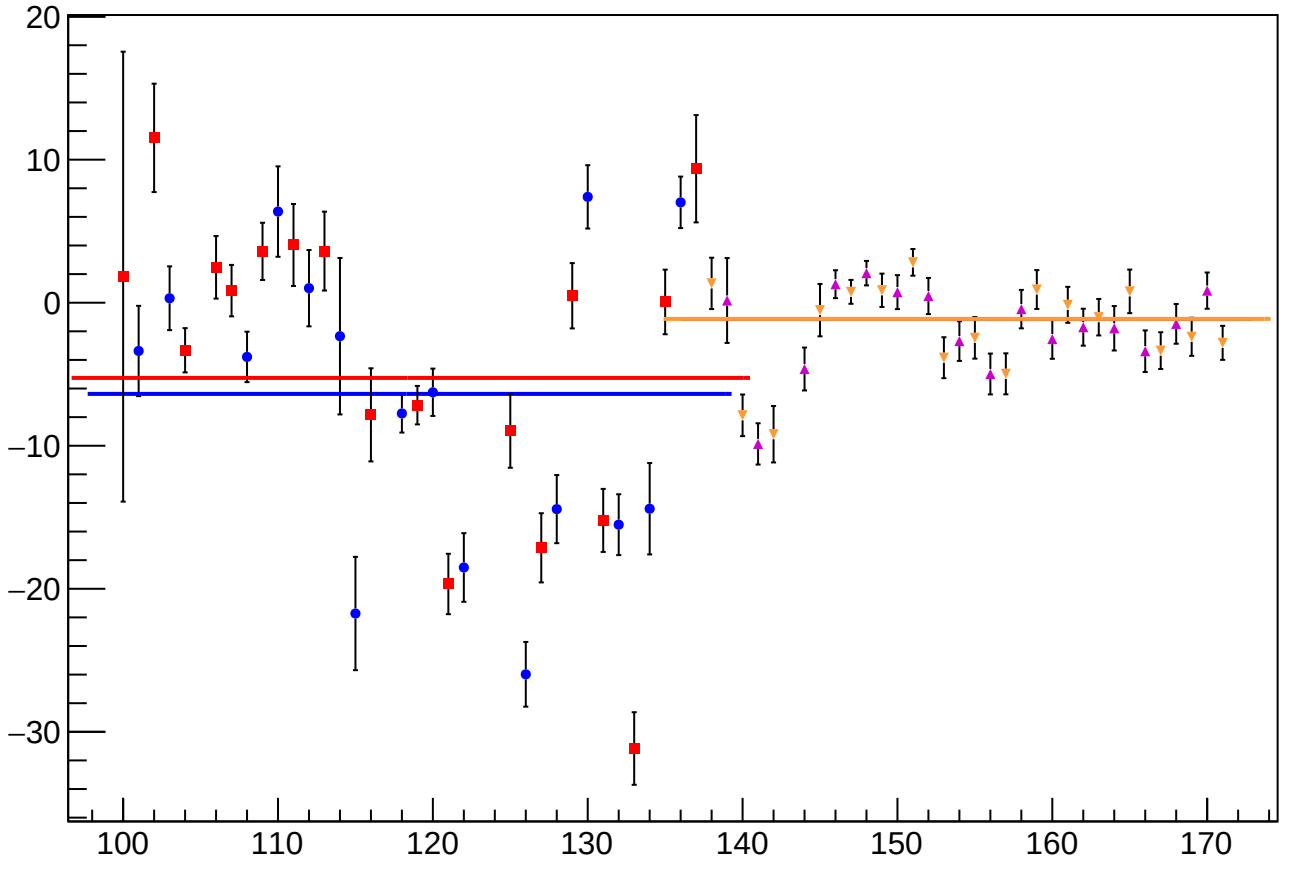
Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.979+/-0.463 χ^2/NDF:111.0/15

+ sign 4.349+/-0.350 χ^2/NDF: 12421.3/32

All: 4.356+/-0.246 χ^2/NDF: 24304.5/66

- sign 4.364+/-0.344 χ^2/NDF: 11883.2/33



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.132+/-0.313 χ^2/NDF:88.1/16

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

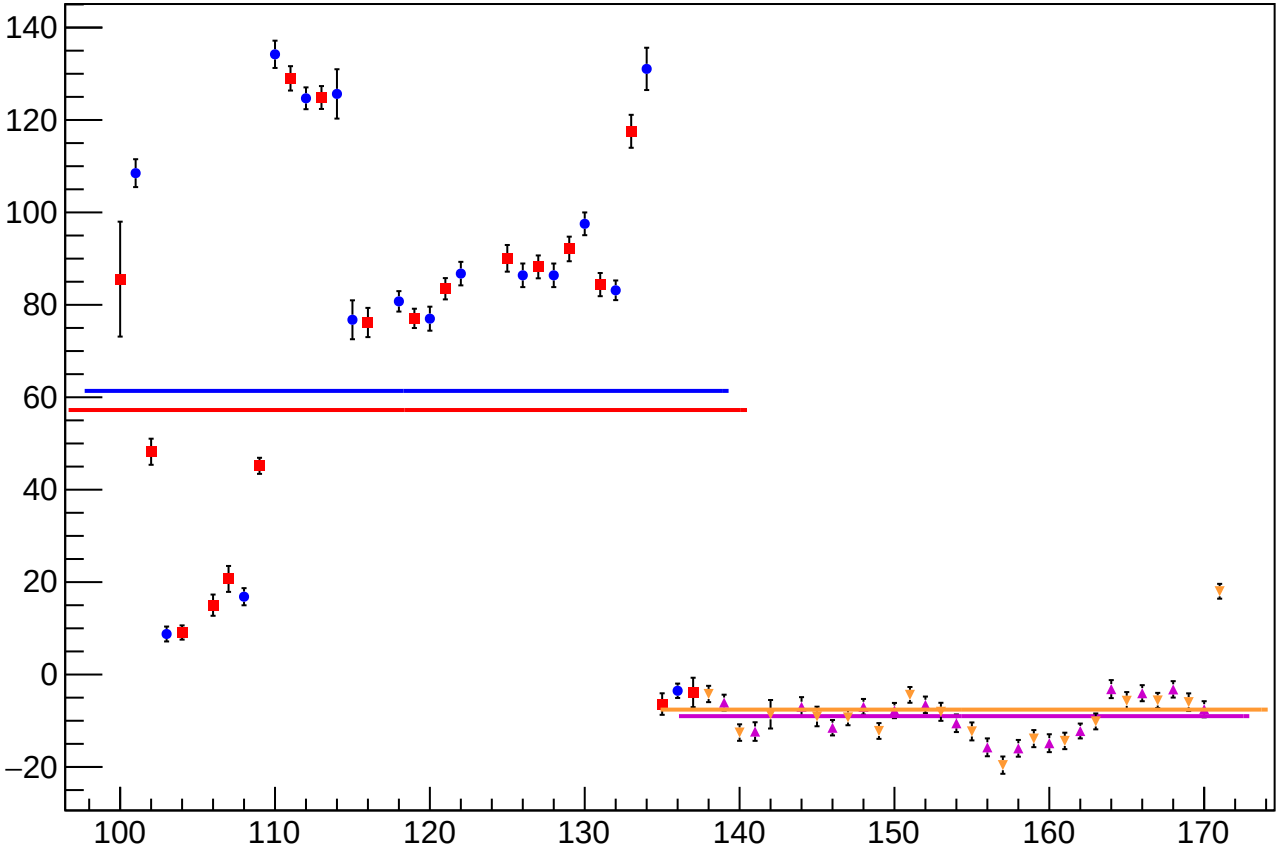
Left In: -1.138+/-0.324 χ^2/NDF:81.7/15

+ sign -2.403+/-0.273 χ^2/NDF: 439.7/32

All: -2.329+/-0.194 χ^2/NDF: 878.1/66

- sign -2.252+/-0.277 χ^2/NDF: 438.2/33

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: -7.588+/-0.444 χ^2/NDF:357.0/16

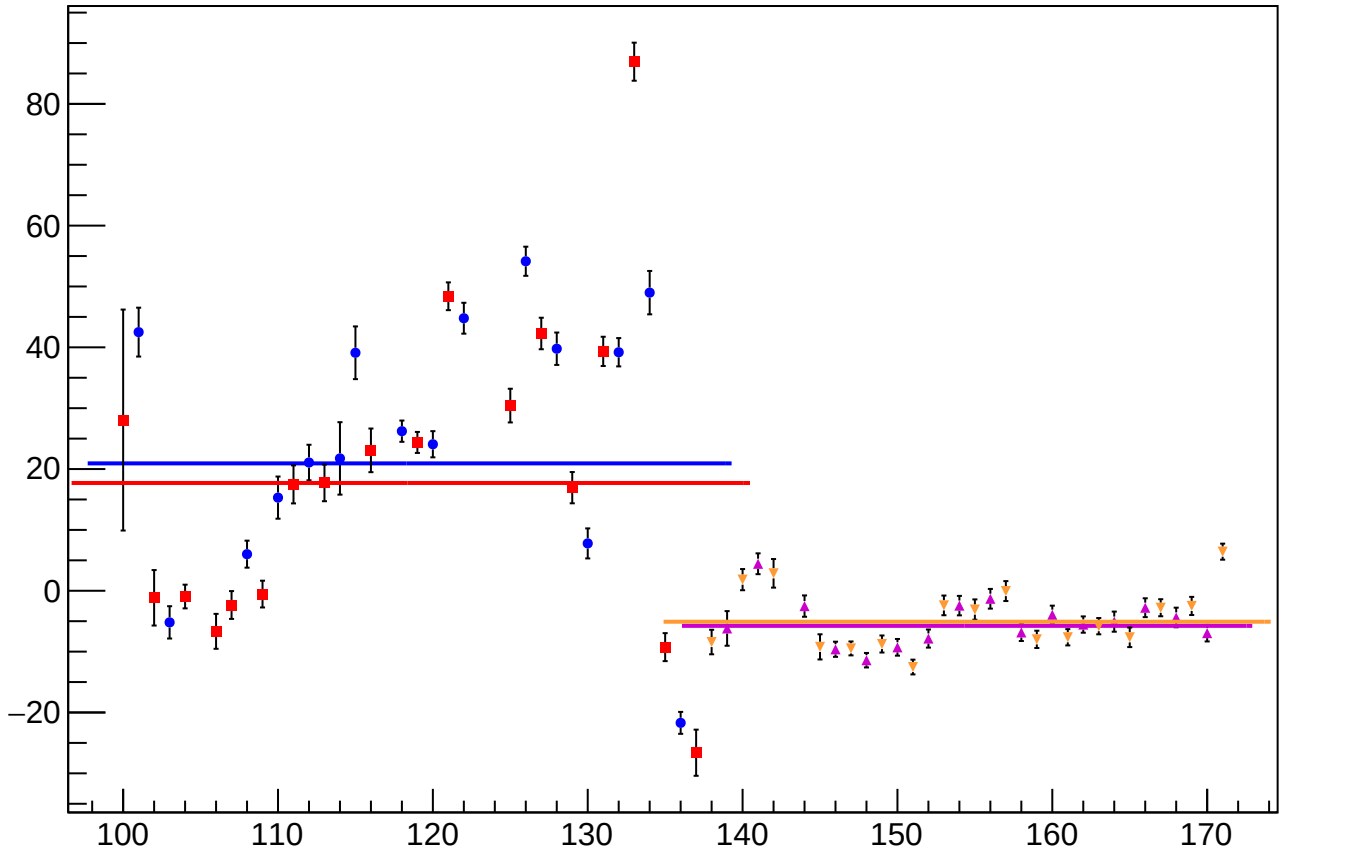
Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.002+/-0.450 χ^2/NDF:81.9/15

+ sign 17.122+/-0.356 χ^2/NDF: 15064.9/32

All: 16.493+/-0.251 χ^2/NDF: 28562.5/66

- sign 15.865+/-0.355 χ^2/NDF: 13491.3/33



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -5.088+/-0.363 χ^2/NDF:199.5/16

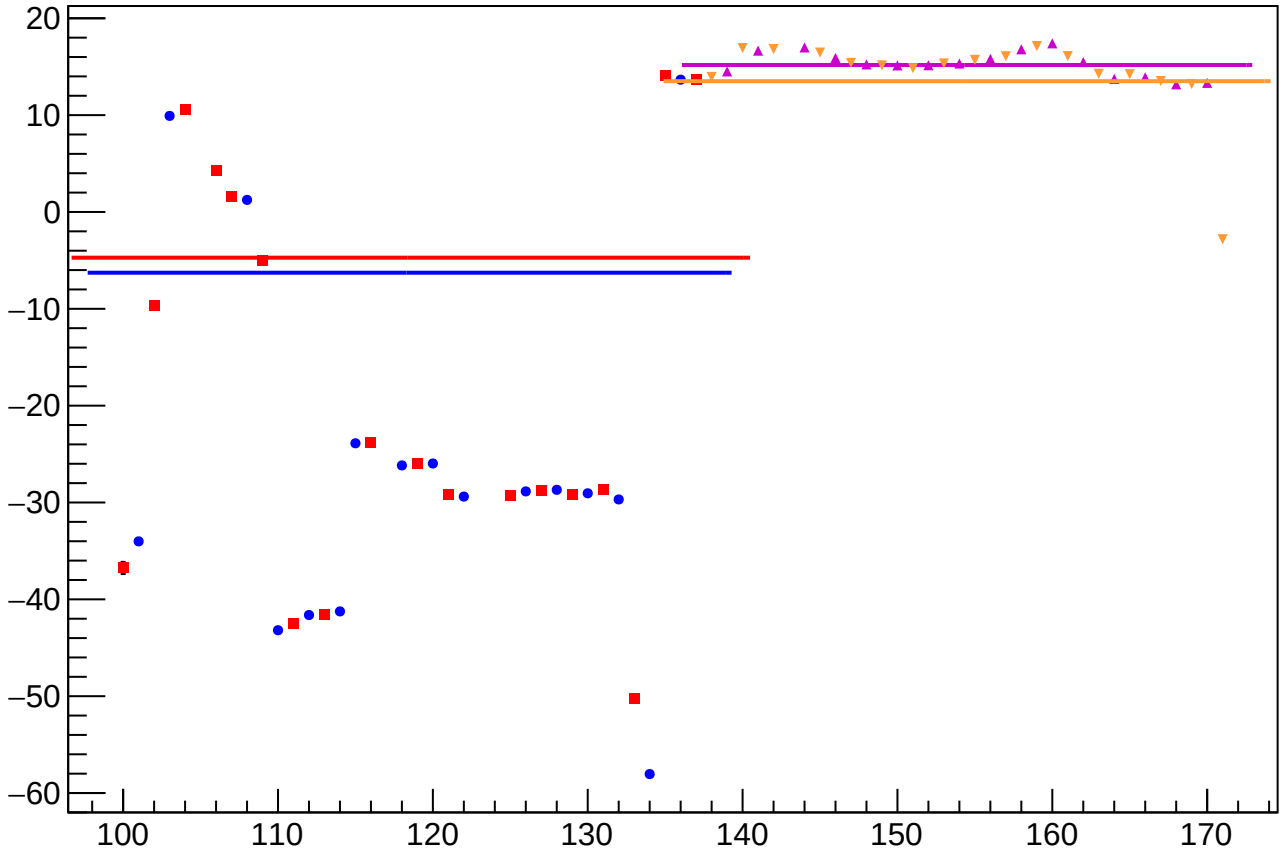
Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -5.767+/-0.375 χ^2/NDF:99.0/15

+ sign 1.240+/-0.316 χ^2/NDF: 2695.2/32

All: 0.903+/-0.225 χ^2/NDF: 5332.6/66

- sign 0.555+/-0.321 χ^2/NDF: 2635.1/33



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 13.506+/-0.016 χ^2/NDF:106983.7/16

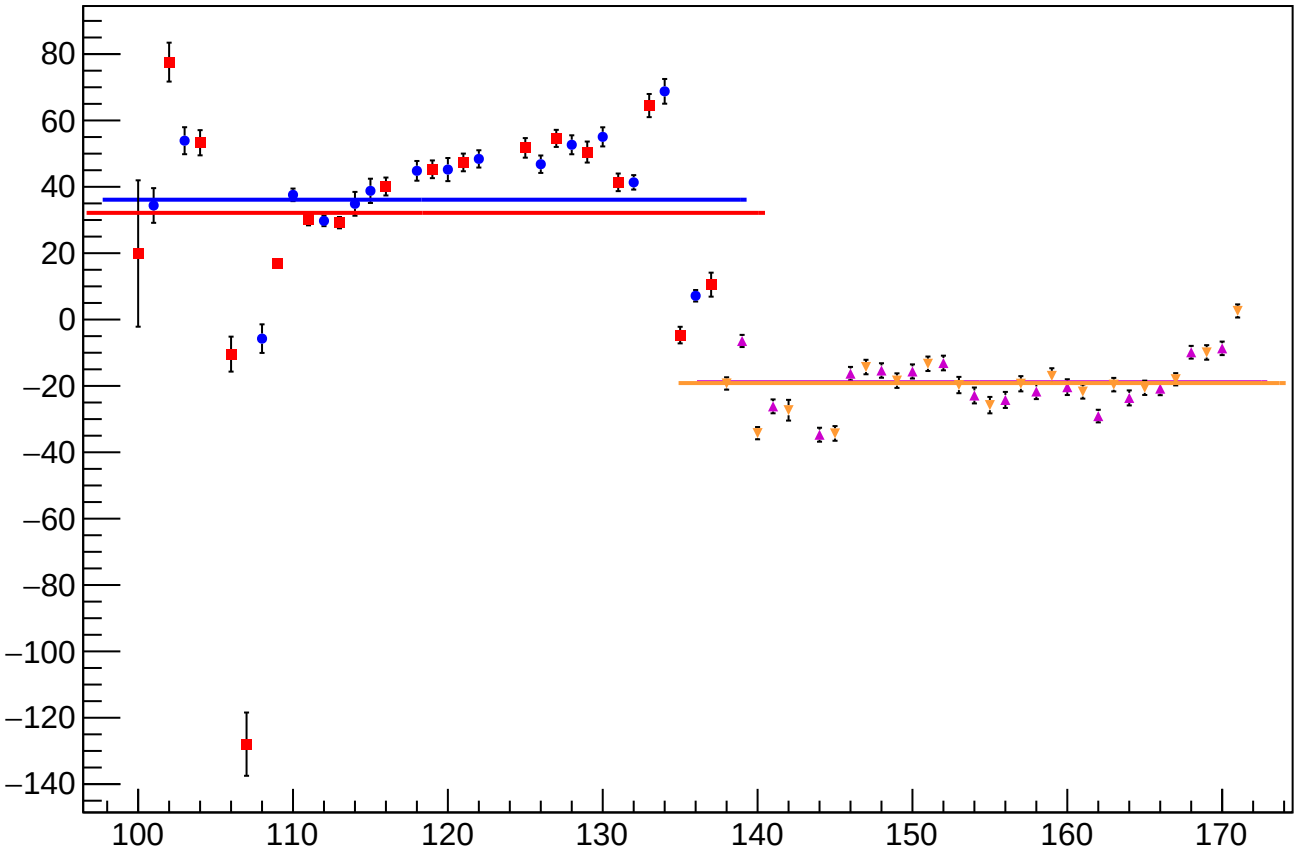
Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.177+/-0.017 χ^2/NDF:5502.6/15

+ sign 9.661+/-0.015 χ^2/NDF: 799623.1/32

All: 10.445+/-0.010 χ^2/NDF: 1397555.4/66

- sign 11.253+/-0.015 χ^2/NDF: 592187.8/33



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -19.142+/-0.524 χ^2/NDF:281.2/16

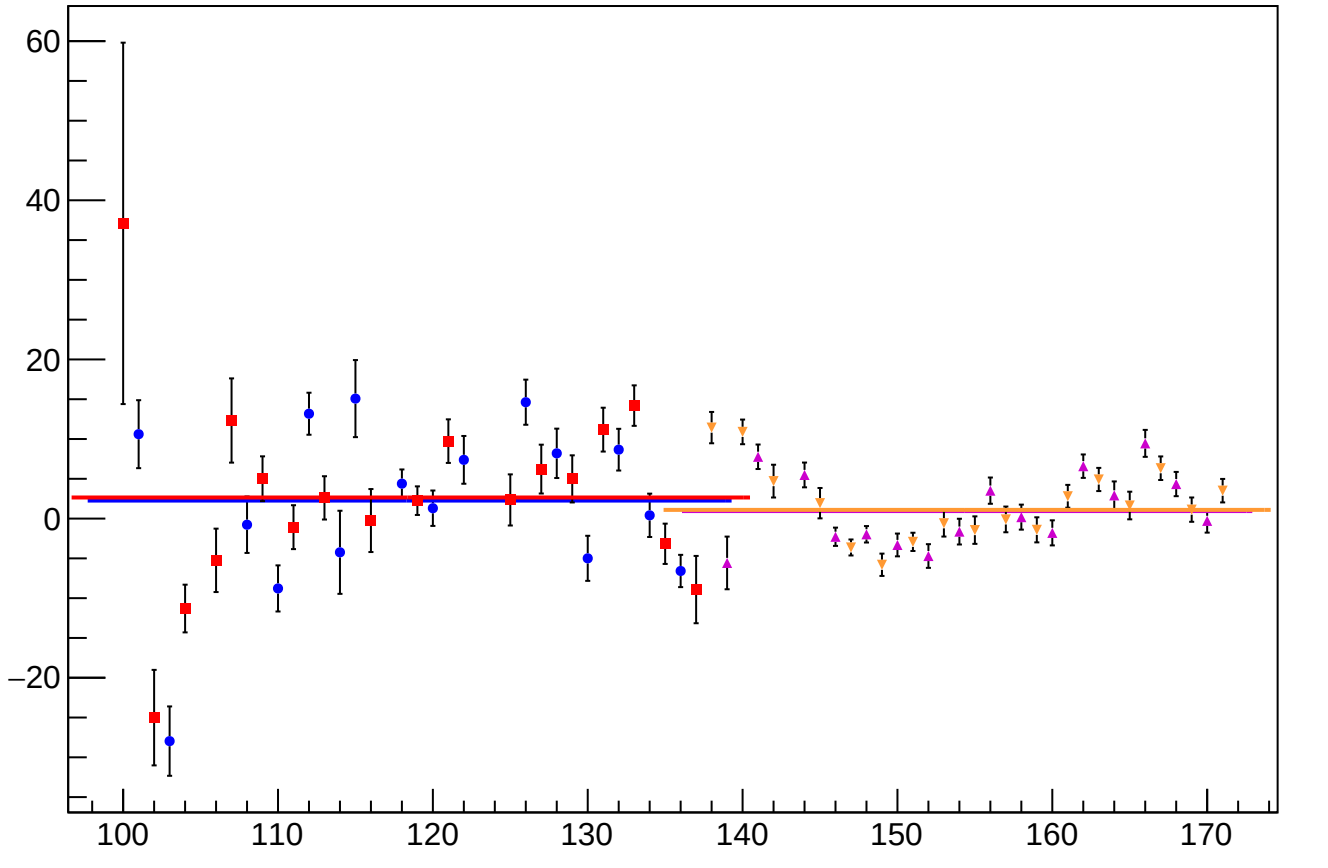
Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.884+/-0.529 χ^2/NDF:218.5/15

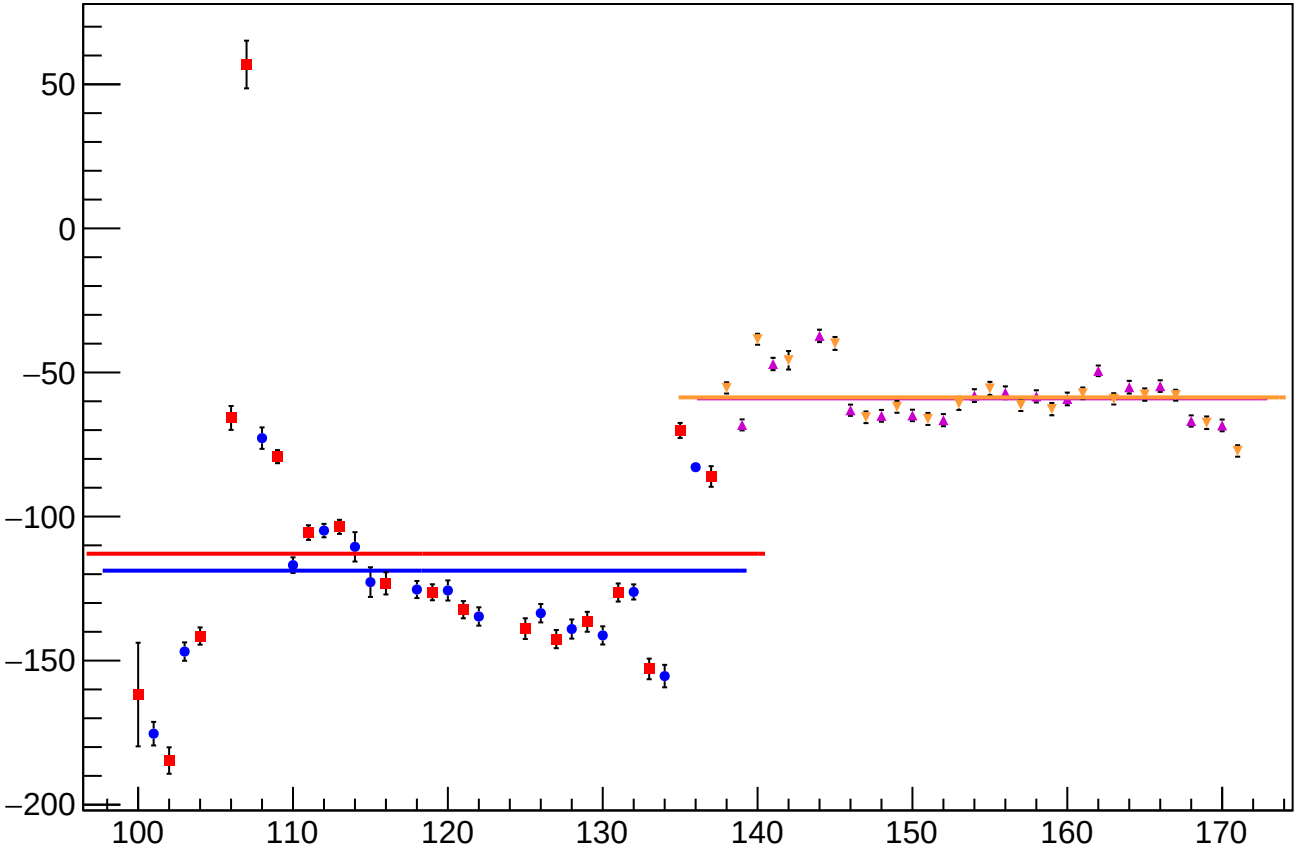
+ sign 2.346+/-0.409 χ^2/NDF: 5235.1/32

All: 2.269+/-0.288 χ^2/NDF: 10412.6/66

- sign 2.193+/-0.405 χ^2/NDF: 5177.4/33


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 1.093+/-0.364 χ²/NDF:159.3/16
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 0.945+/-0.374 χ²/NDF:126.2/15
+ sign 1.341+/-0.323 χ²/NDF: 313.5/32
All: 1.327+/-0.231 χ²/NDF: 551.4/66
- sign 1.312+/-0.332 χ²/NDF: 237.9/33

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.648+/-0.511 χ^2/NDF:339.2/16

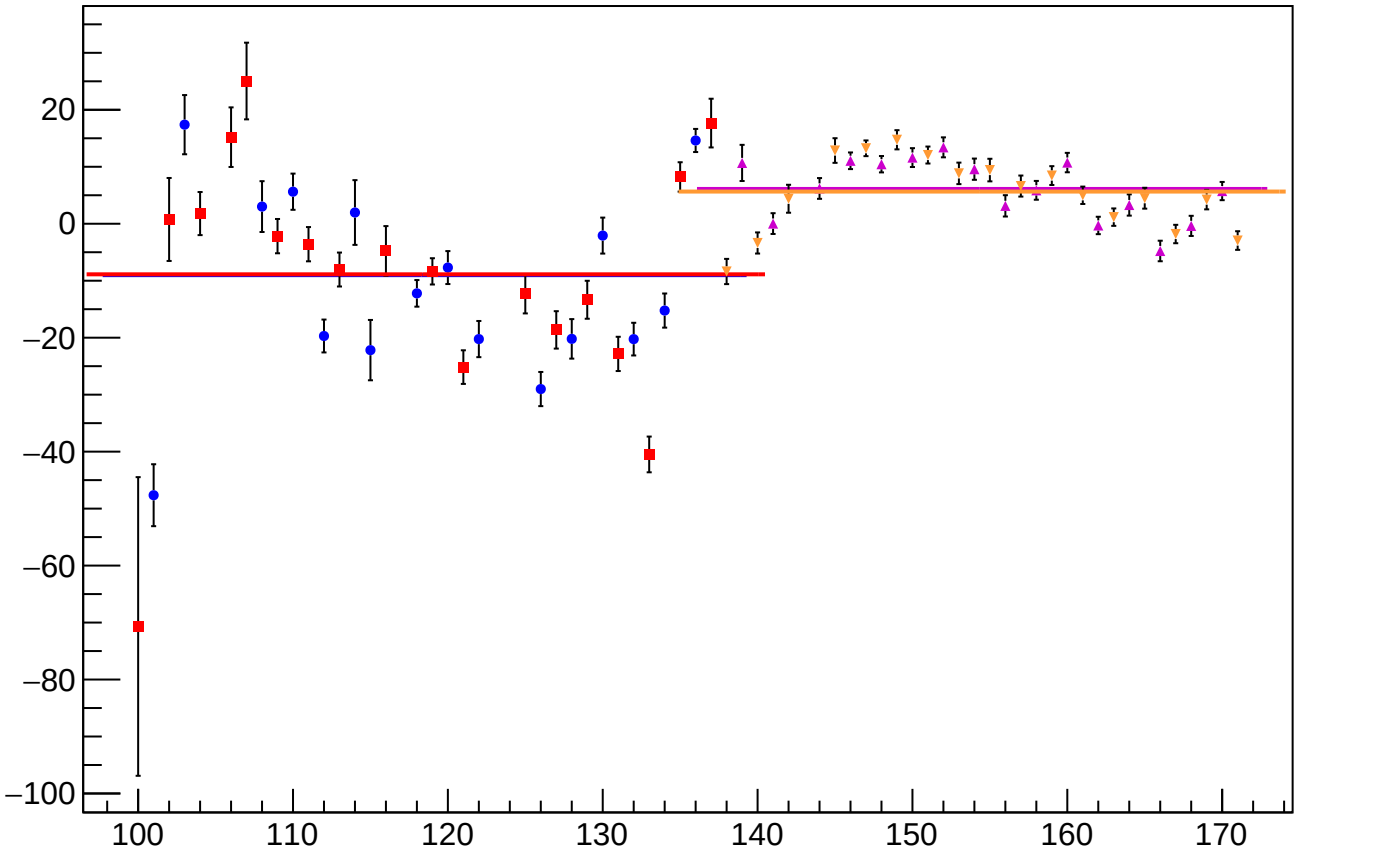
Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.984+/-0.515 χ^2/NDF:262.3/15

+ sign -77.499+/-0.424 χ^2/NDF: 5792.1/32

All: -76.722+/-0.301 χ^2/NDF: 11365.7/66

- sign -75.935+/-0.427 χ^2/NDF: 5566.8/33



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 5.649+/-0.420 χ^2/NDF:221.8/16

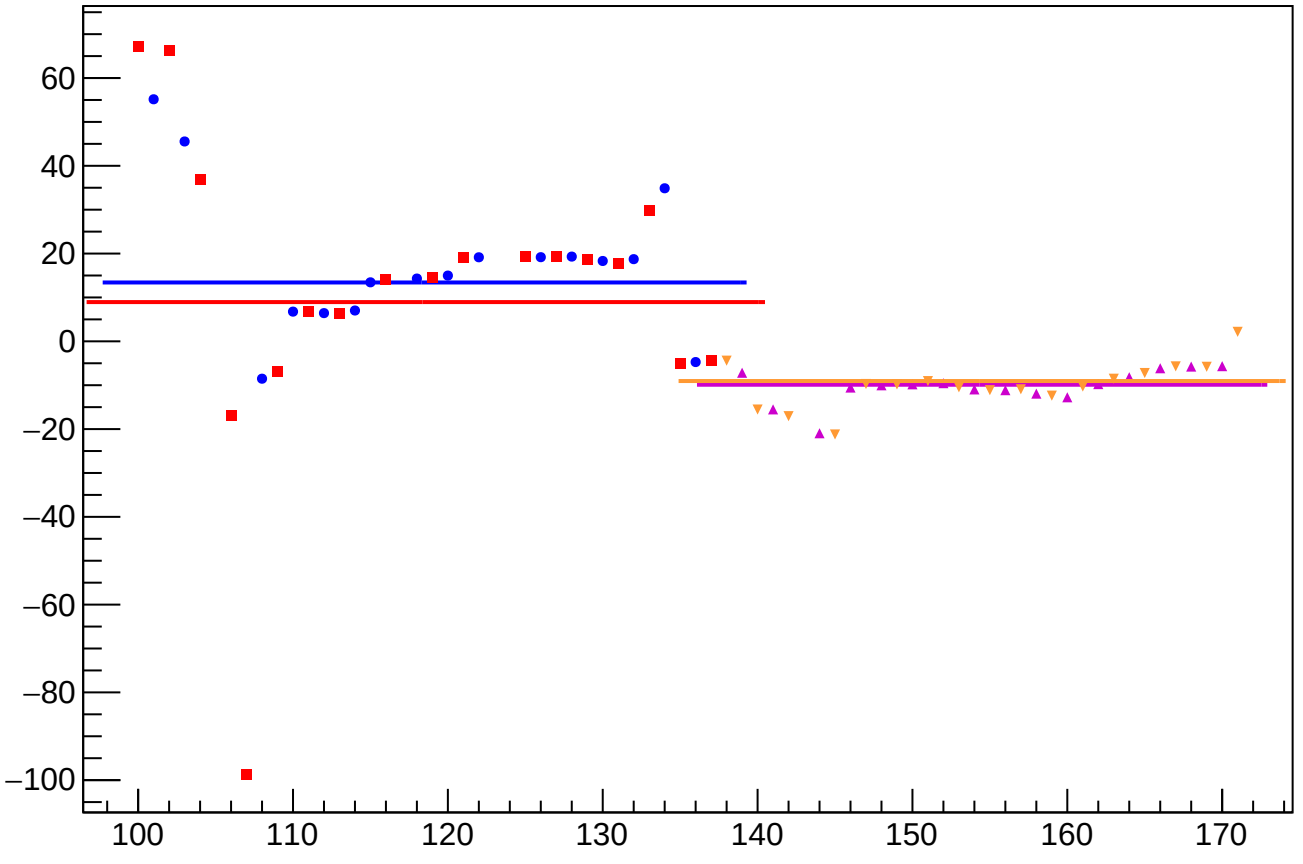
Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.106+/-0.432 χ^2/NDF:145.4/15

+ sign 2.447+/-0.372 χ^2/NDF: 845.6/32

All: 2.615+/-0.266 χ^2/NDF: 1576.4/66

- sign 2.792+/-0.381 χ^2/NDF: 730.3/33



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -9.049+/-0.019 χ^2/NDF:69339.6/16

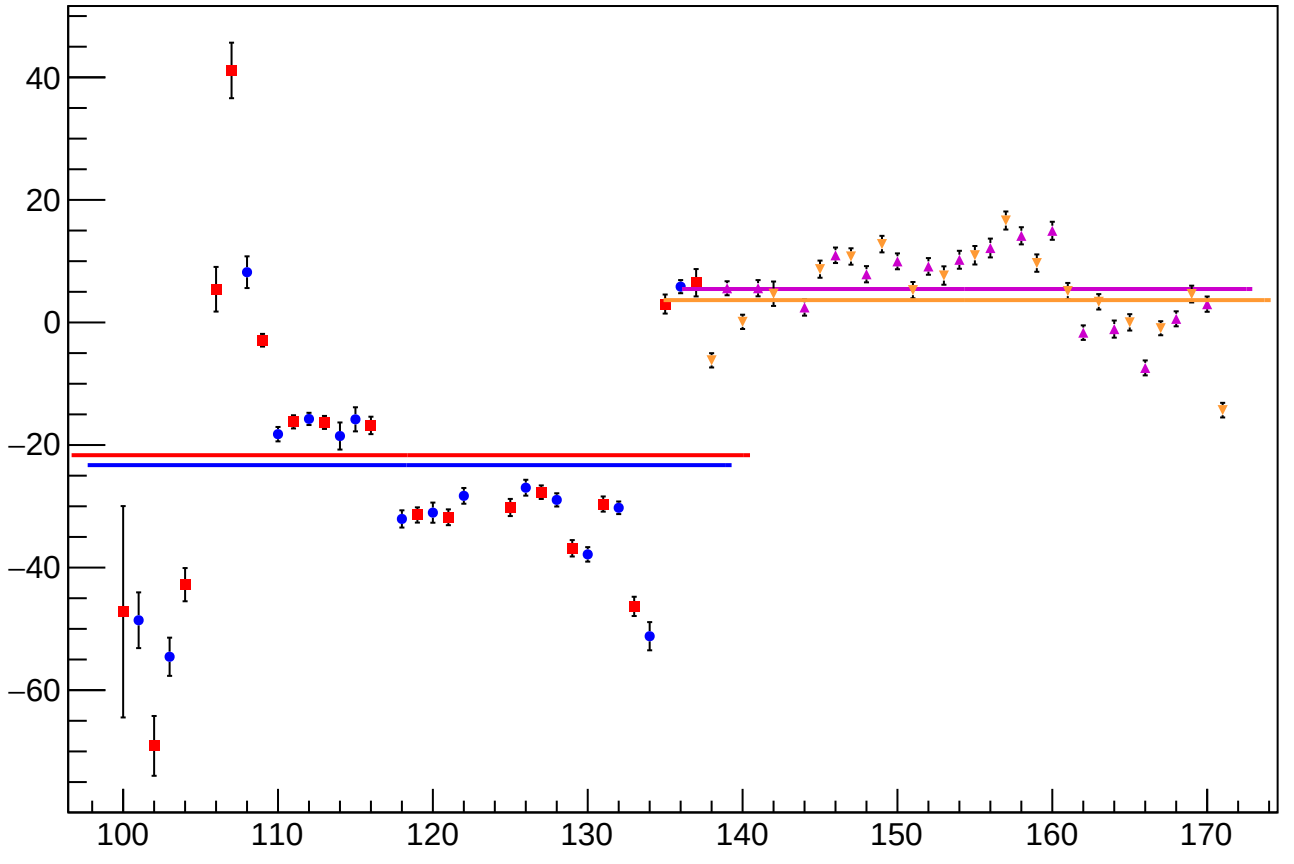
Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -9.892+/-0.019 χ^2/NDF:31459.1/15

+ sign -5.701+/-0.017 χ^2/NDF: 462412.5/32

All: -6.464+/-0.012 χ^2/NDF: 924616.0/66

- sign -7.250+/-0.018 χ^2/NDF: 458336.7/33



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 3.647+/-0.324 χ^2/NDF:547.2/16

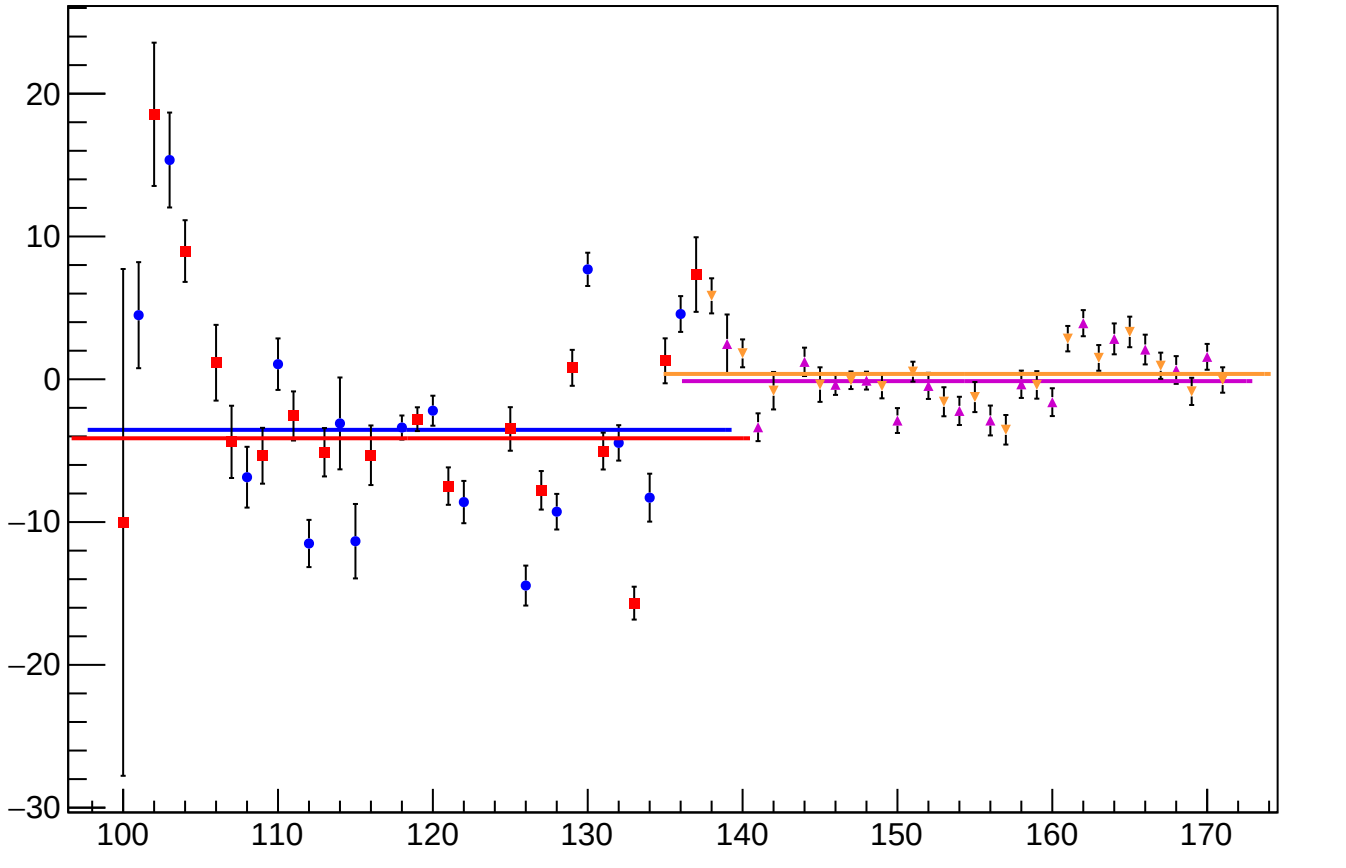
Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 5.459+/-0.328 χ^2/NDF:345.5/15

+ sign -8.775+/-0.238 χ^2/NDF: 5296.6/32

All: -8.053+/-0.168 χ^2/NDF: 10695.8/66

- sign -7.329+/-0.239 χ^2/NDF: 5380.7/33



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.374+/-0.225 χ^2/NDF:64.7/16

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

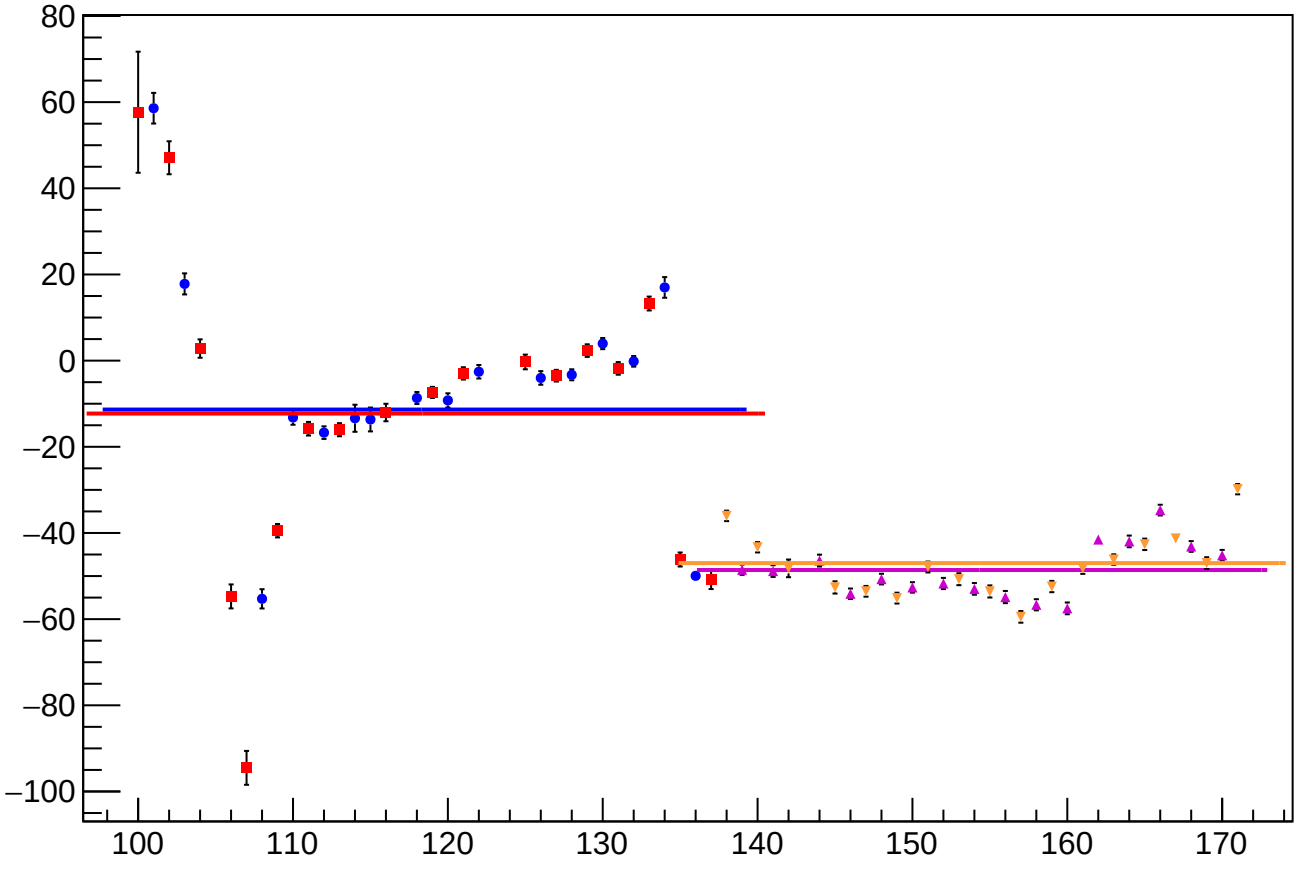
Left In: -0.130+/-0.231 χ^2/NDF:74.3/15

+ sign -0.711+/-0.191 χ^2/NDF: 465.7/32

All: -0.974+/-0.137 χ^2/NDF: 855.3/66

- sign -1.251+/-0.196 χ^2/NDF: 385.7/33

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: -46.988+/-0.317 χ^2/NDF:547.8/16

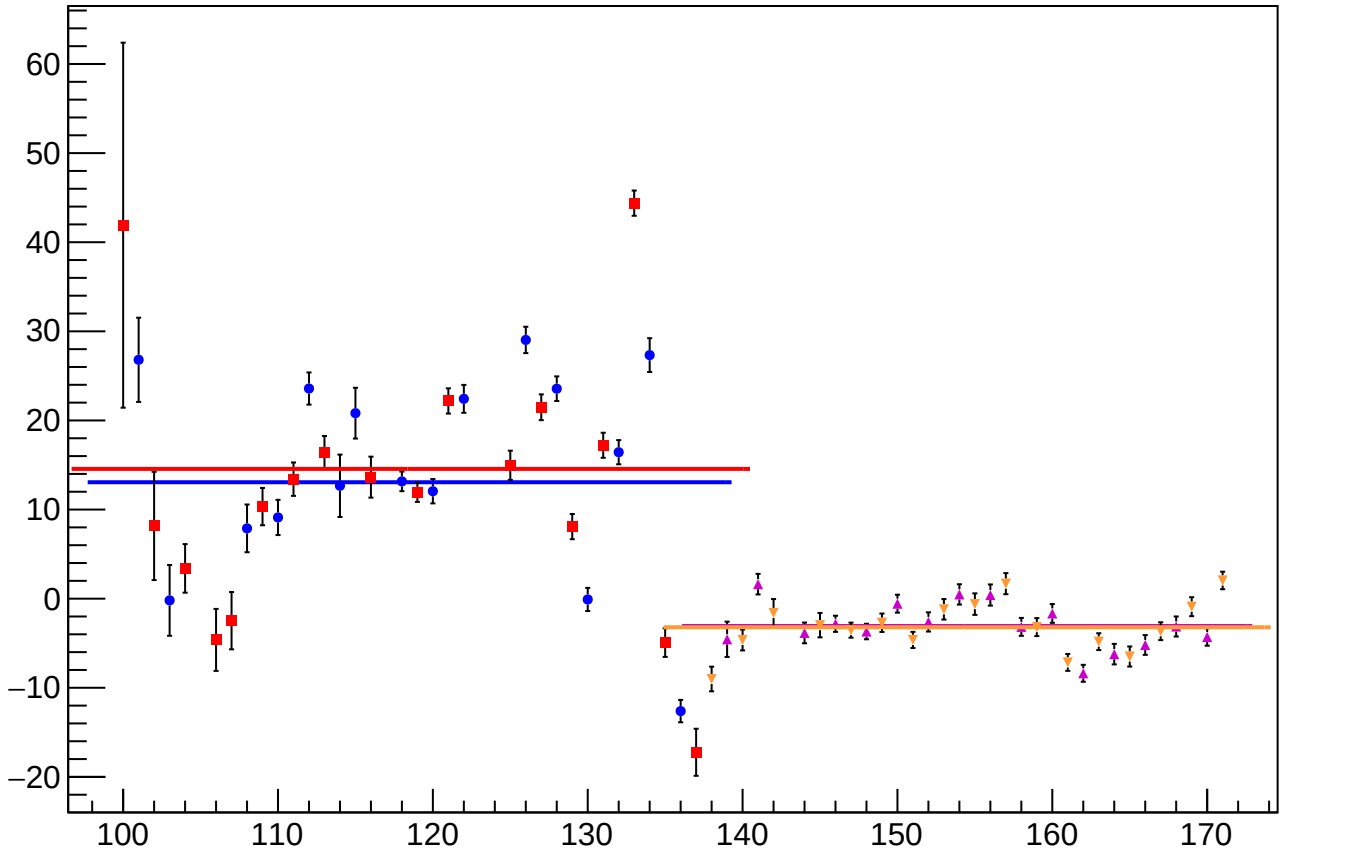
Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -48.600+/-0.319 χ^2/NDF:368.9/15

+ sign -33.503+/-0.250 χ^2/NDF: 8004.9/32

All: -34.249+/-0.178 χ^2/NDF: 15819.3/66

- sign -35.014+/-0.253 χ^2/NDF: 7796.3/33



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.208+/-0.260 χ^2/NDF:109.9/16

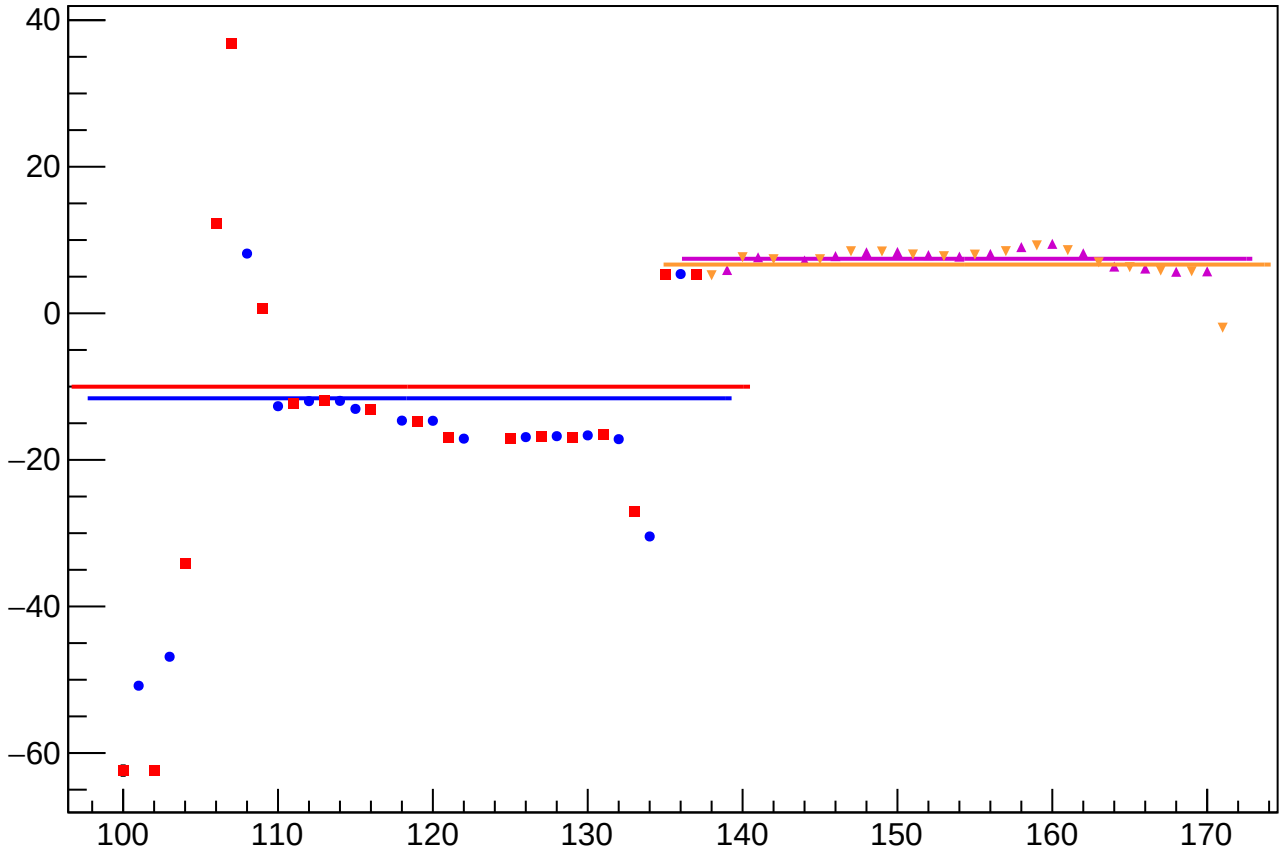
Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -3.070+/-0.267 χ^2/NDF:88.6/15

+ sign 1.376+/-0.220 χ^2/NDF: 2079.4/32

All: 1.664+/-0.158 χ^2/NDF: 4318.9/66

- sign 1.967+/-0.226 χ^2/NDF: 2236.0/33



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.653+/-0.012 χ^2/NDF:59762.3/16

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

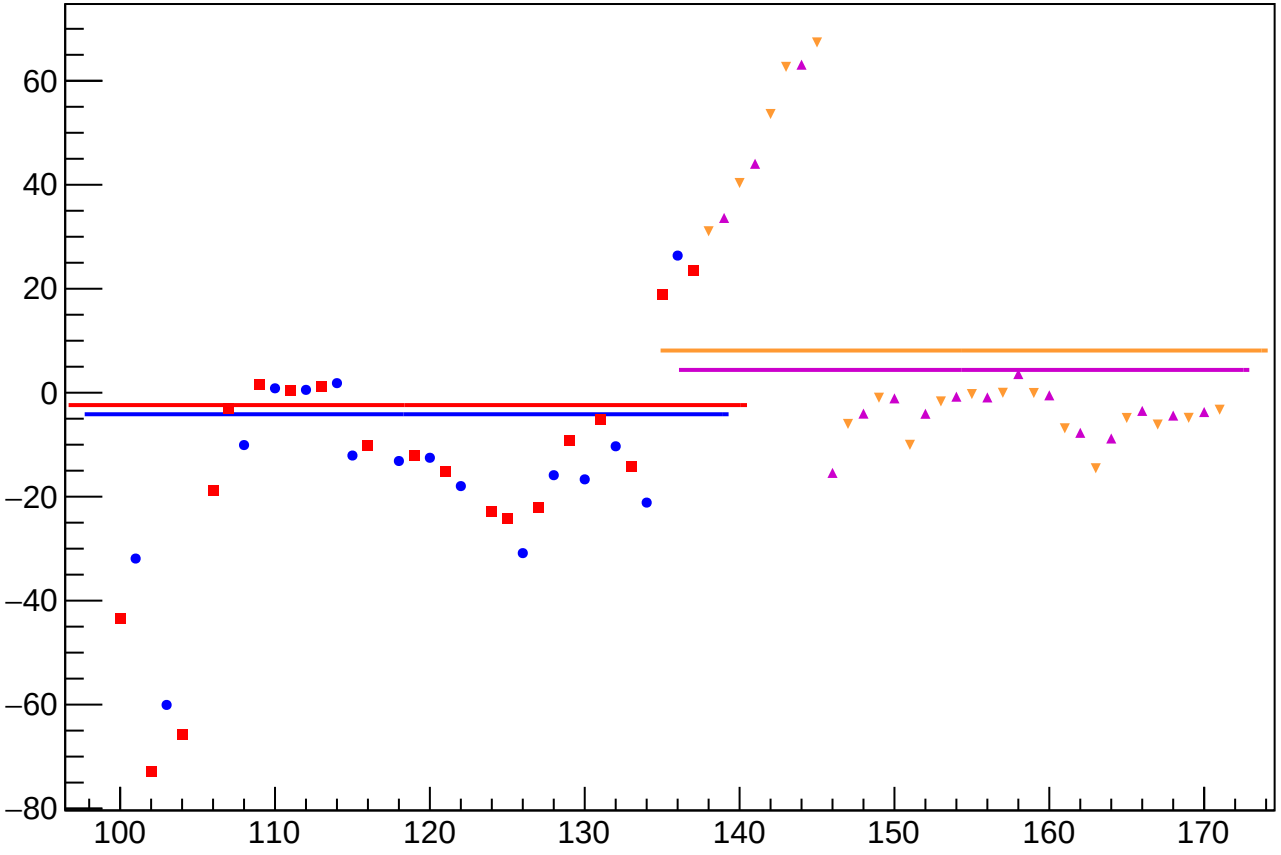
Left In: 7.442+/-0.012 χ^2/NDF:10206.4/15

+ sign 3.628+/-0.011 χ^2/NDF: 821644.3/32

All: 4.151+/-0.008 χ^2/NDF: 1573688.0/66

- sign 4.692+/-0.011 χ^2/NDF: 747200.1/33

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 8.114+/-0.058 χ^2/NDF:154827.1/17

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

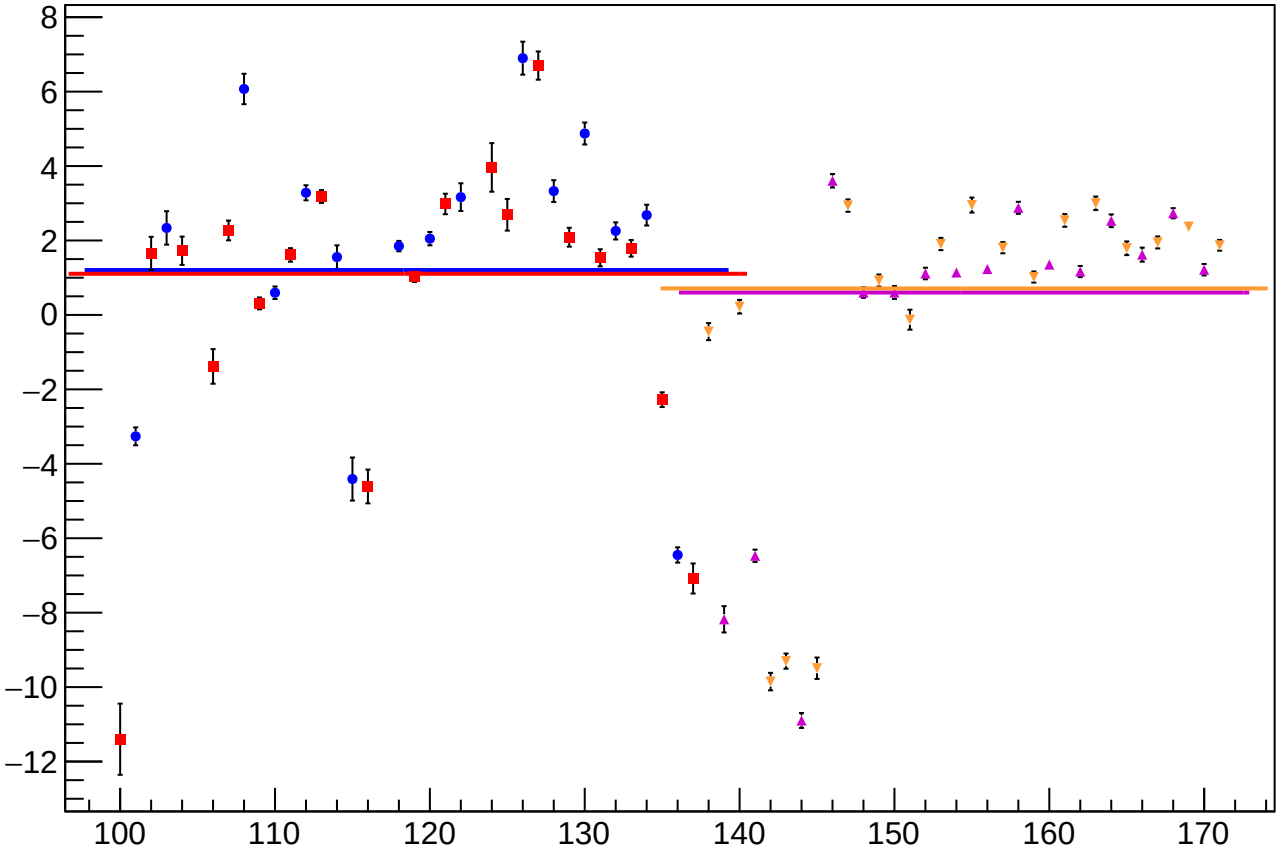
Left In: 4.384+/-0.052 χ^2/NDF:121530.8/15

+ sign 1.661+/-0.040 χ^2/NDF: 253894.4/33

All: 1.043+/-0.026 χ^2/NDF: 465994.6/68

- sign 0.573+/-0.035 χ^2/NDF: 211673.7/34

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.712+/-0.042 χ^2/NDF:6736.1/17

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

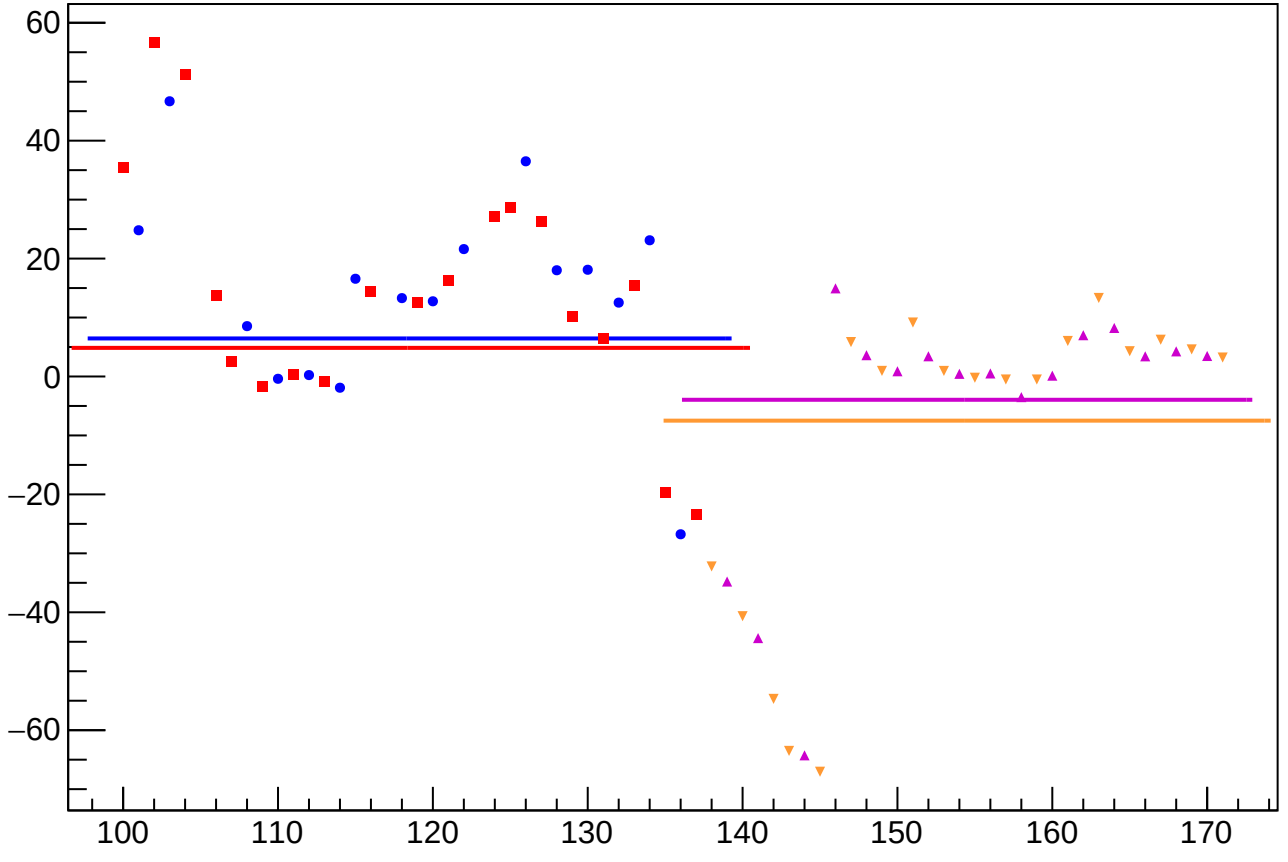
Left In: 0.602+/-0.038 χ^2/NDF:6719.0/15

+ sign 0.872+/-0.034 χ^2/NDF: 9365.7/33

All: 0.808+/-0.023 χ^2/NDF: 17732.3/68

- sign 0.754+/-0.031 χ^2/NDF: 8360.2/34

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -7.491+/-0.056 χ^2/NDF:150619.4/17

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

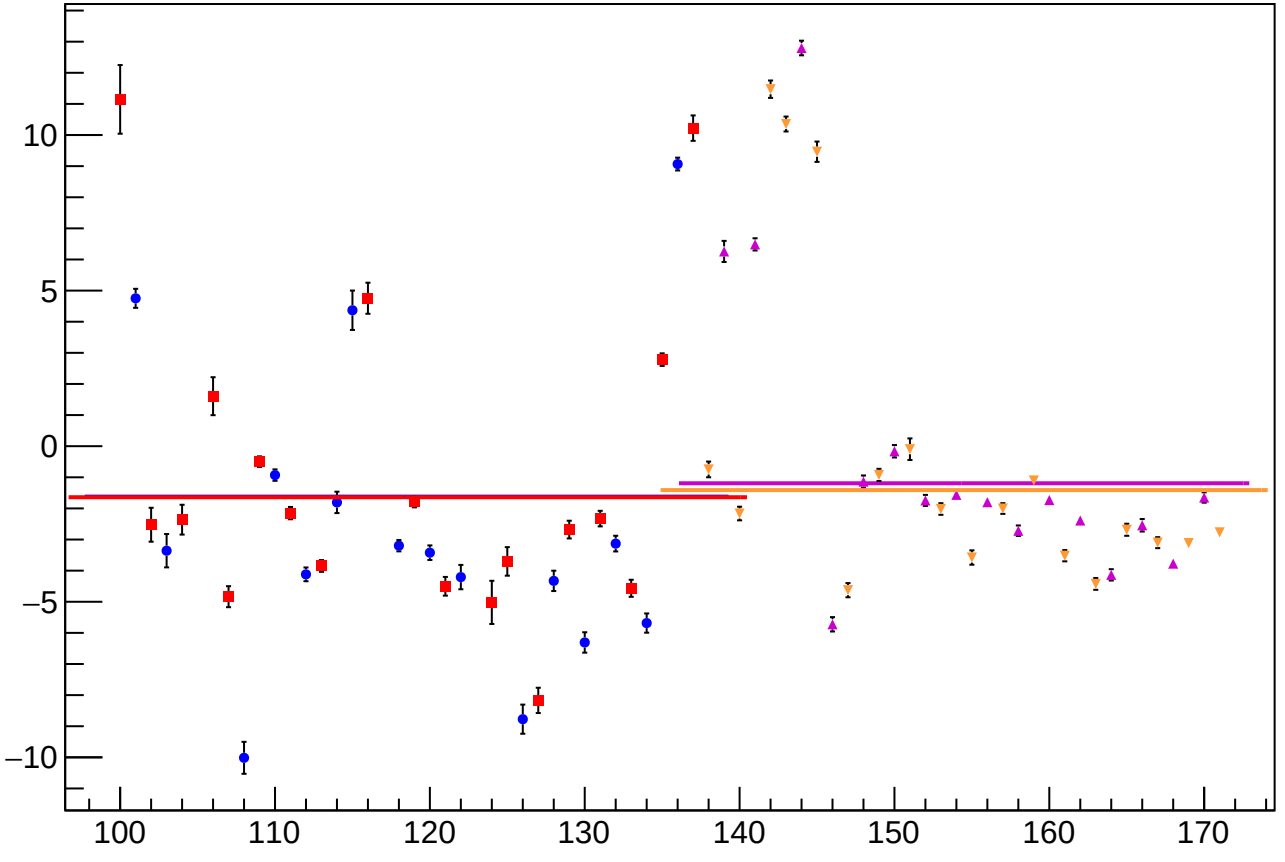
Left In: -3.952+/-0.051 χ^2/NDF:119124.0/15

+ sign -1.517+/-0.043 χ^2/NDF: 247422.1/33

All: -0.808+/-0.029 χ^2/NDF: 455112.9/68

- sign -0.233+/-0.038 χ^2/NDF: 207191.5/34

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.412+/-0.047 χ^2/NDF:6708.8/17

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

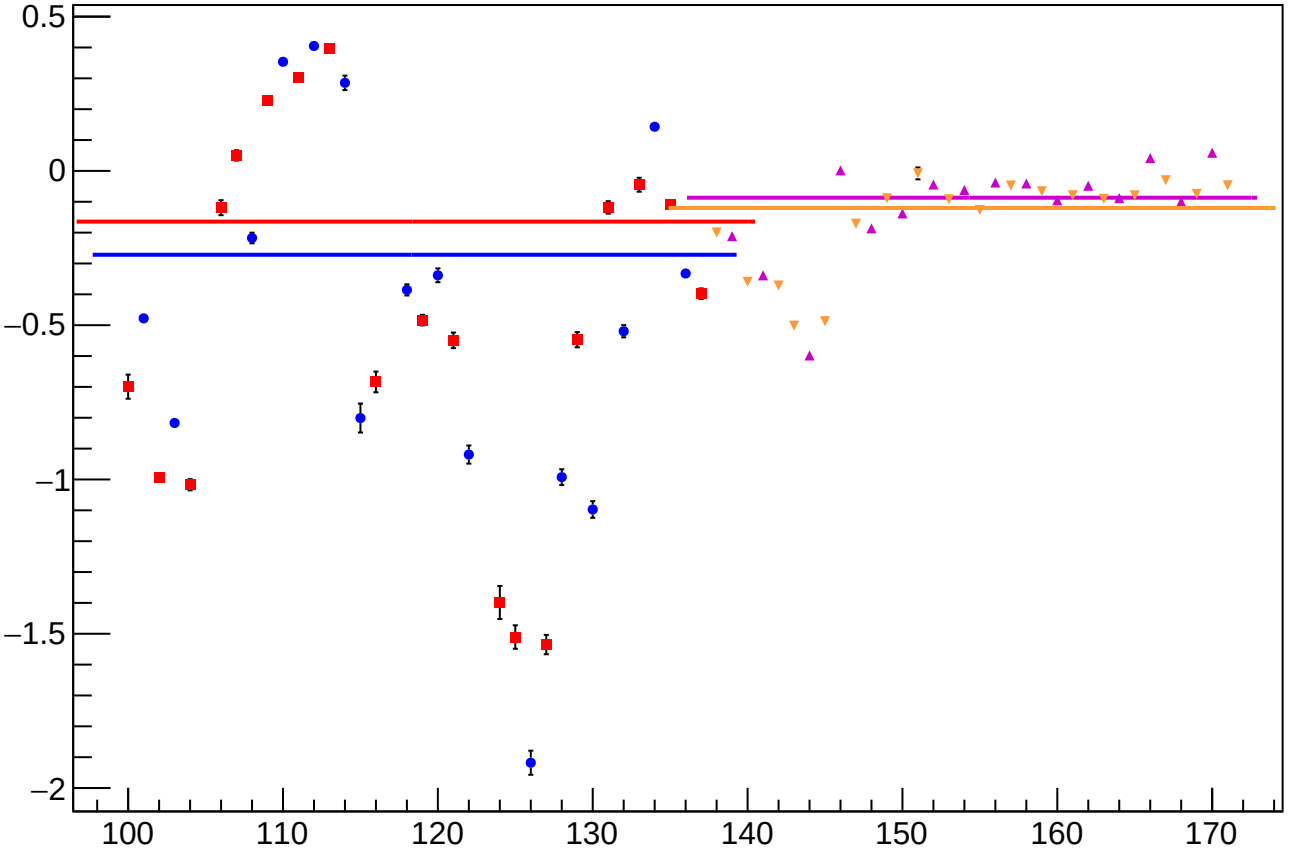
Left In: -1.192+/-0.043 χ^2/NDF:6732.2/15

+ sign -1.478+/-0.039 χ^2/NDF: 11240.3/33

All: -1.396+/-0.026 χ^2/NDF: 20476.2/68

- sign -1.328+/-0.036 χ^2/NDF: 9227.9/34

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.120+/-0.002 χ^2/NDF:3337.7/17

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

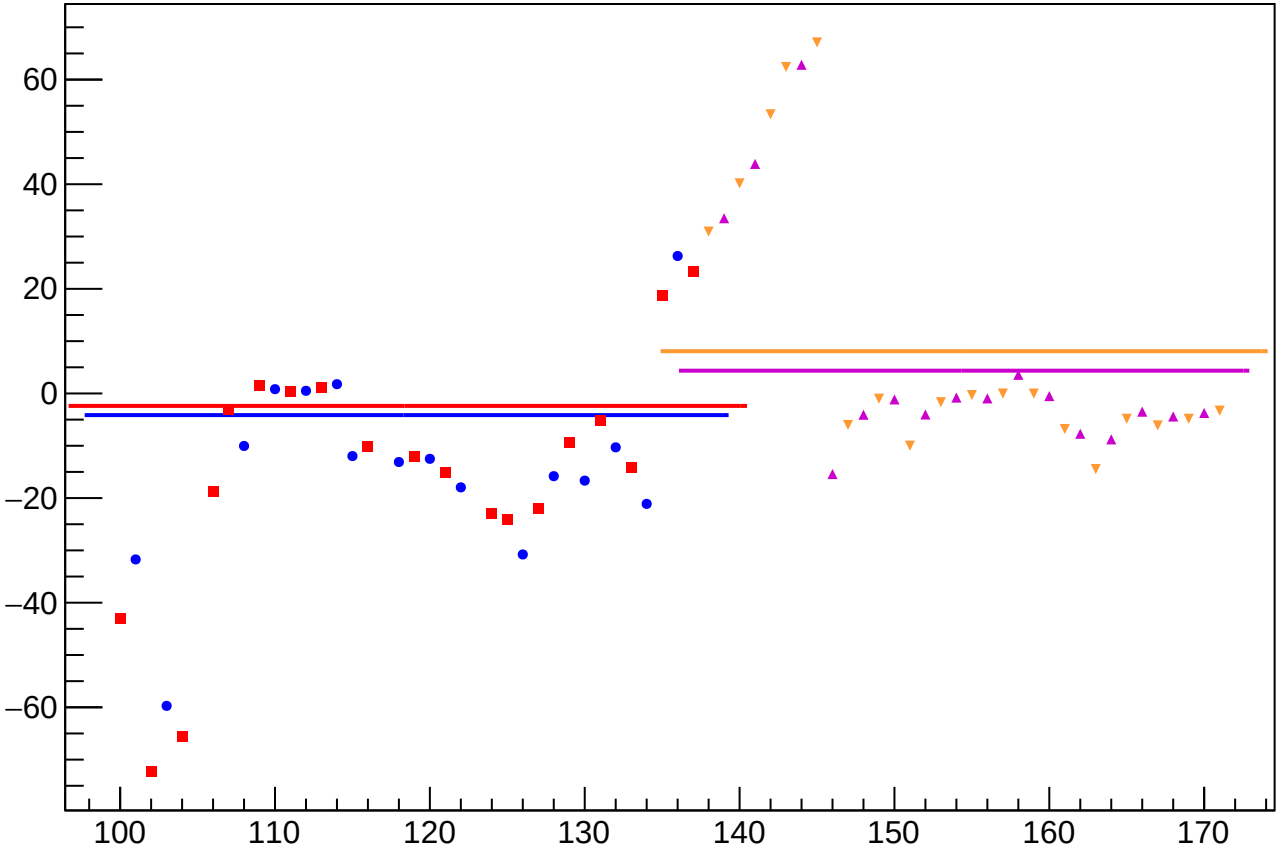
Left In: -0.087+/-0.002 χ^2/NDF:3656.6/15

+ sign -0.150+/-0.002 χ^2/NDF: 16455.5/33

All: -0.123+/-0.001 χ^2/NDF: 36340.3/68

- sign -0.101+/-0.002 χ^2/NDF: 19492.7/34

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 8.078+/-0.057 χ^2/NDF:154571.9/17

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

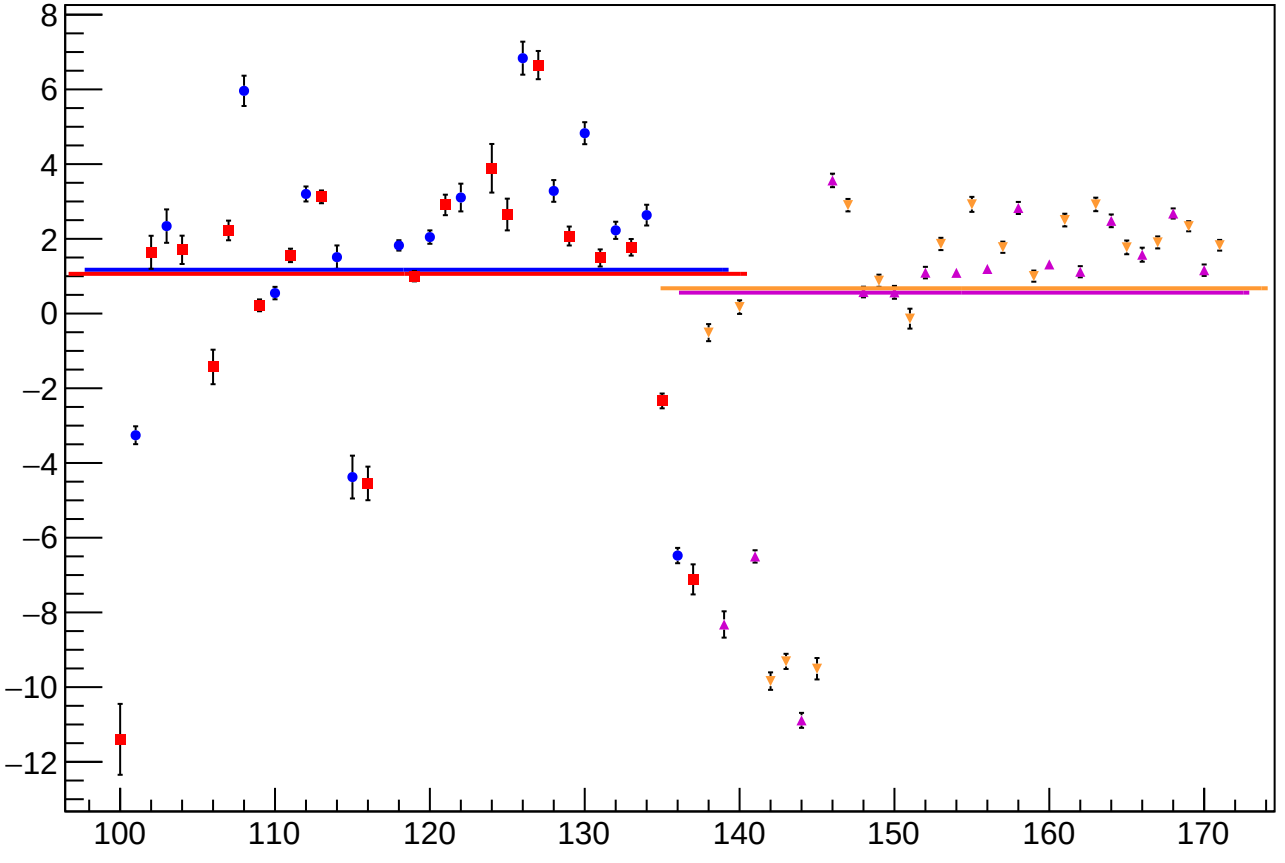
Left In: 4.355+/-0.052 χ^2/NDF:121416.2/15

+ sign 1.628+/-0.039 χ^2/NDF: 253669.8/33

All: 1.016+/-0.026 χ^2/NDF: 465567.1/68

- sign 0.549+/-0.034 χ^2/NDF: 211473.3/34

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.677+/-0.042 χ^2/NDF:6740.0/17

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

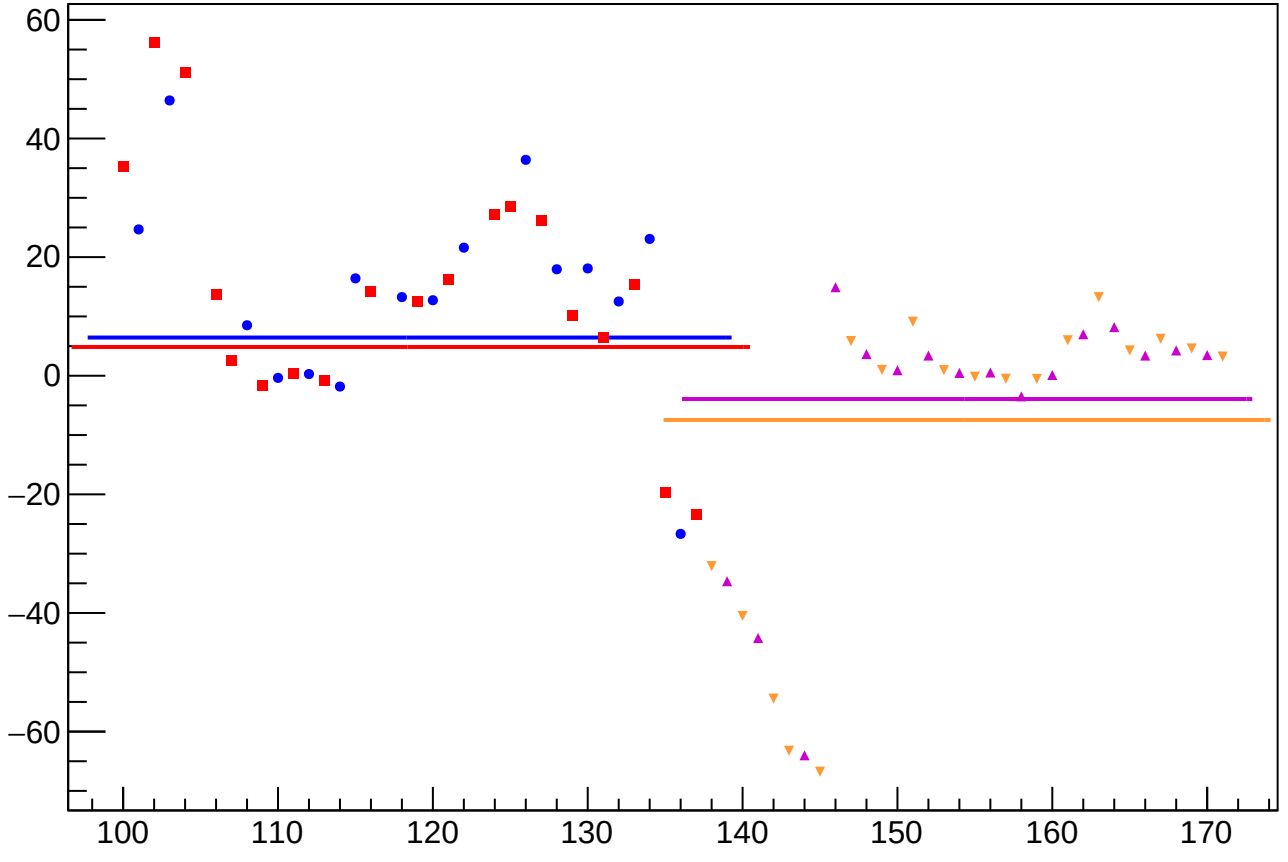
Left In: 0.560+/-0.038 χ^2/NDF:6734.3/15

+ sign 0.837+/-0.034 χ^2/NDF: 9370.4/33

All: 0.769+/-0.023 χ^2/NDF: 17762.8/68

- sign 0.712+/-0.031 χ^2/NDF: 8385.1/34

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -7.457+/-0.056 χ^2/NDF:150372.1/17

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

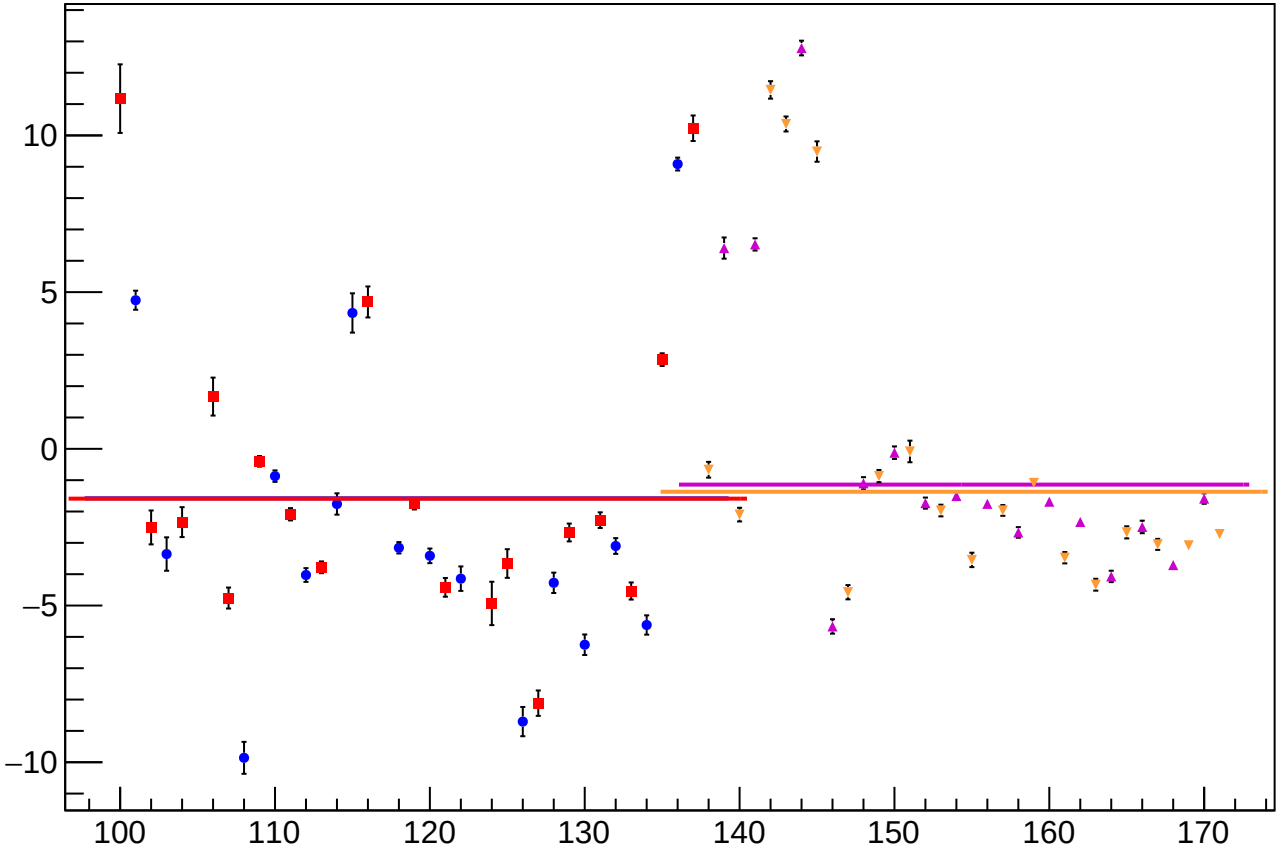
Left In: -3.924+/-0.050 χ^2/NDF:119007.6/15

+ sign -1.485+/-0.043 χ^2/NDF: 247197.8/33

All: -0.779+/-0.028 χ^2/NDF: 454679.1/68

- sign -0.206+/-0.038 χ^2/NDF: 206981.4/34

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.369+/-0.047 χ^2/NDF:6707.4/17

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

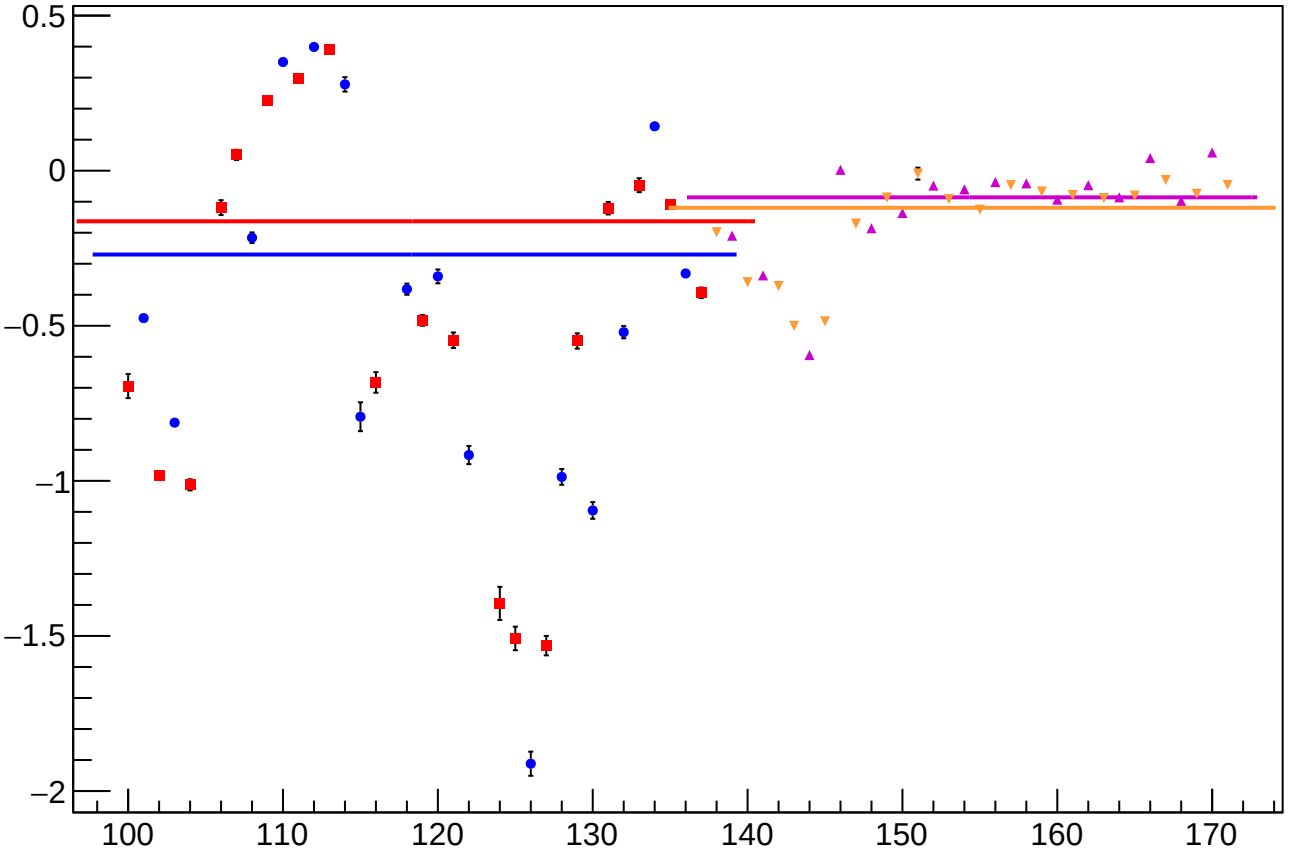
Left In: -1.142+/-0.042 χ^2/NDF:6745.3/15

+ sign -1.436+/-0.039 χ^2/NDF: 11238.0/33

All: -1.349+/-0.026 χ^2/NDF: 20498.3/68

- sign -1.278+/-0.035 χ^2/NDF: 9251.2/34

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.120+/-0.002 χ^2/NDF:3350.9/17

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

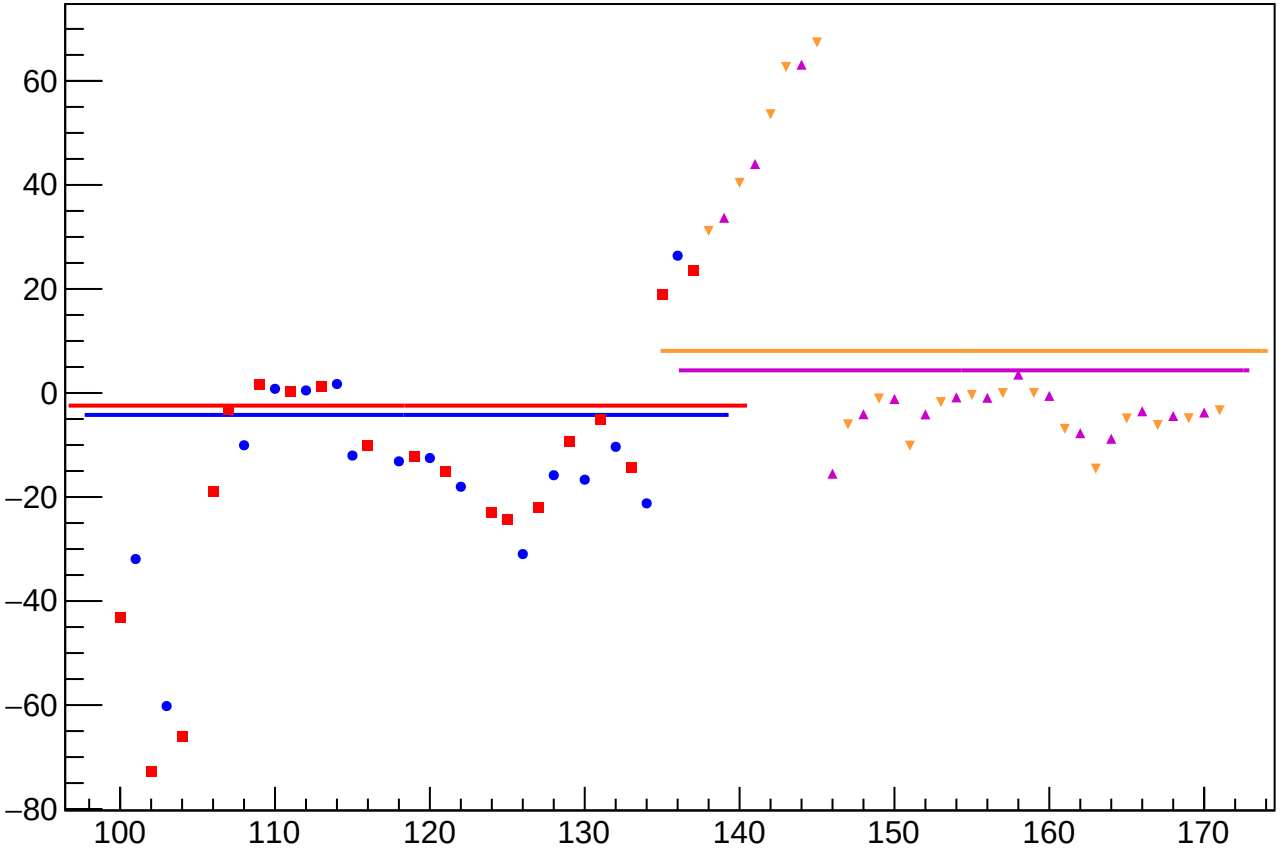
Left In: -0.086+/-0.002 χ^2/NDF:3638.3/15

+ sign -0.149+/-0.002 χ^2/NDF: 16454.0/33

All: -0.122+/-0.001 χ^2/NDF: 36341.6/68

- sign -0.100+/-0.002 χ^2/NDF: 19488.1/34

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 8.093+/-0.058 χ^2/NDF:154928.2/17

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

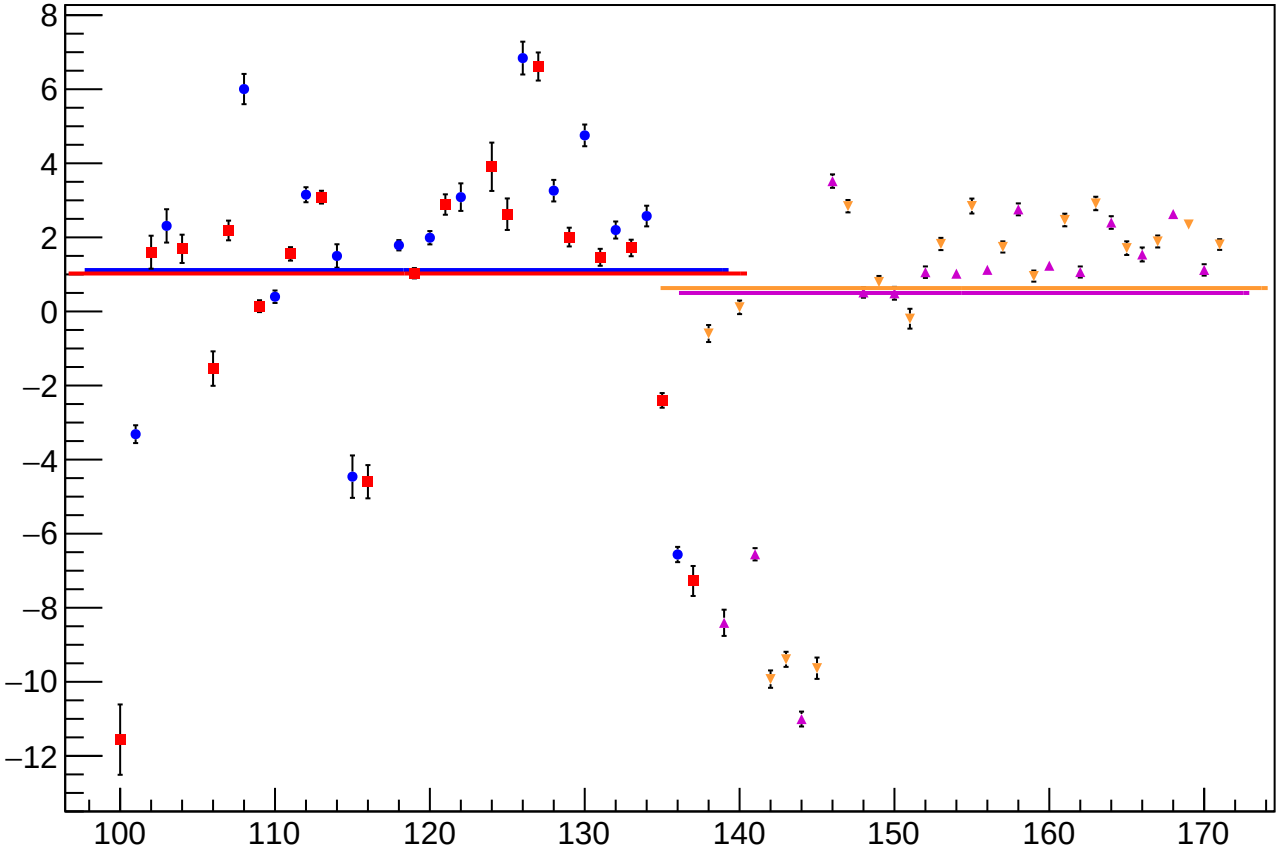
Left In: 4.351+/-0.052 χ^2/NDF:121538.0/15

+ sign 1.611+/-0.040 χ^2/NDF: 254096.2/33

All: 0.999+/-0.026 χ^2/NDF: 466187.1/68

- sign 0.533+/-0.035 χ^2/NDF: 211672.8/34

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.631+/-0.042 χ^2/NDF:6762.0/17

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

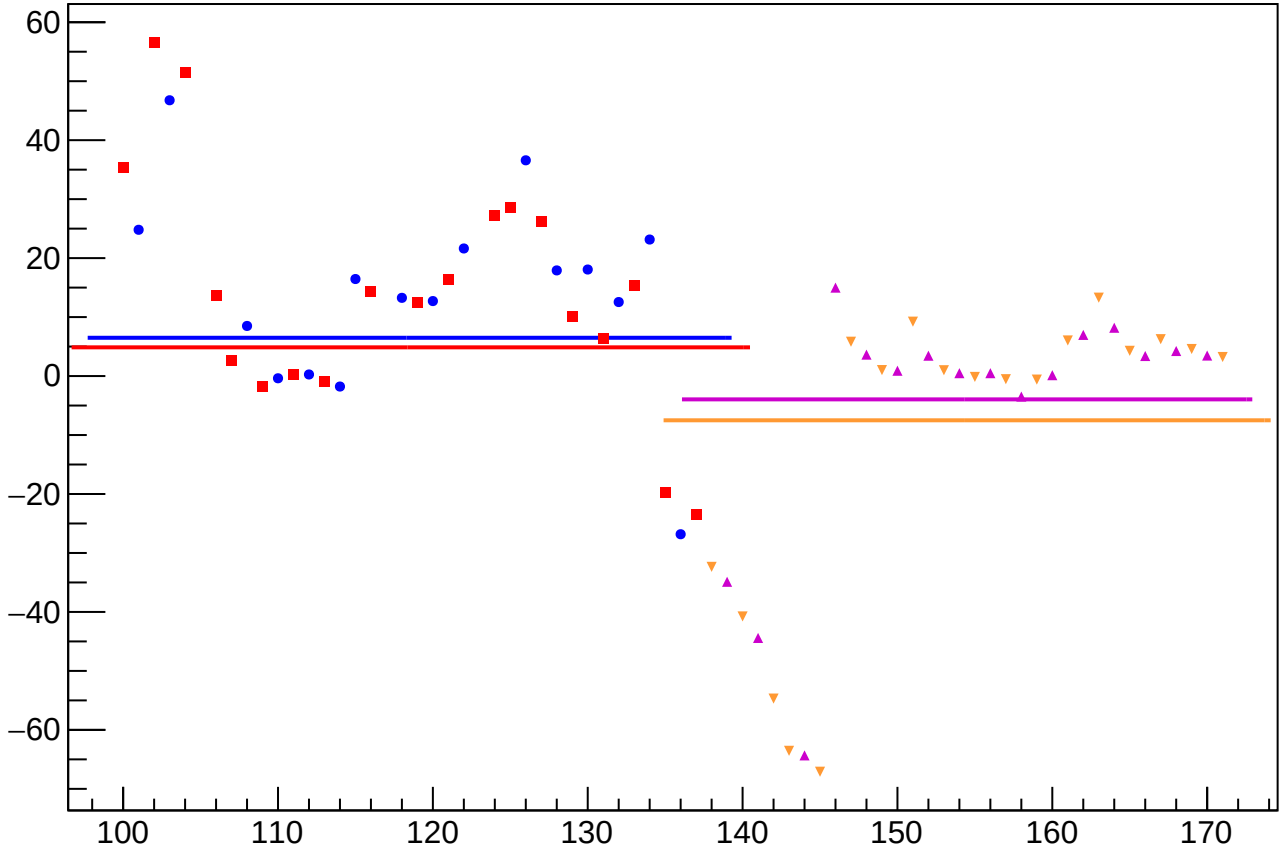
Left In: 0.499+/-0.038 χ^2/NDF:6712.5/15

+ sign 0.789+/-0.034 χ^2/NDF: 9397.6/33

All: 0.718+/-0.023 χ^2/NDF: 17788.8/68

- sign 0.658+/-0.031 χ^2/NDF: 8383.4/34

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -7.503+/-0.057 χ^2/NDF:150734.0/17

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

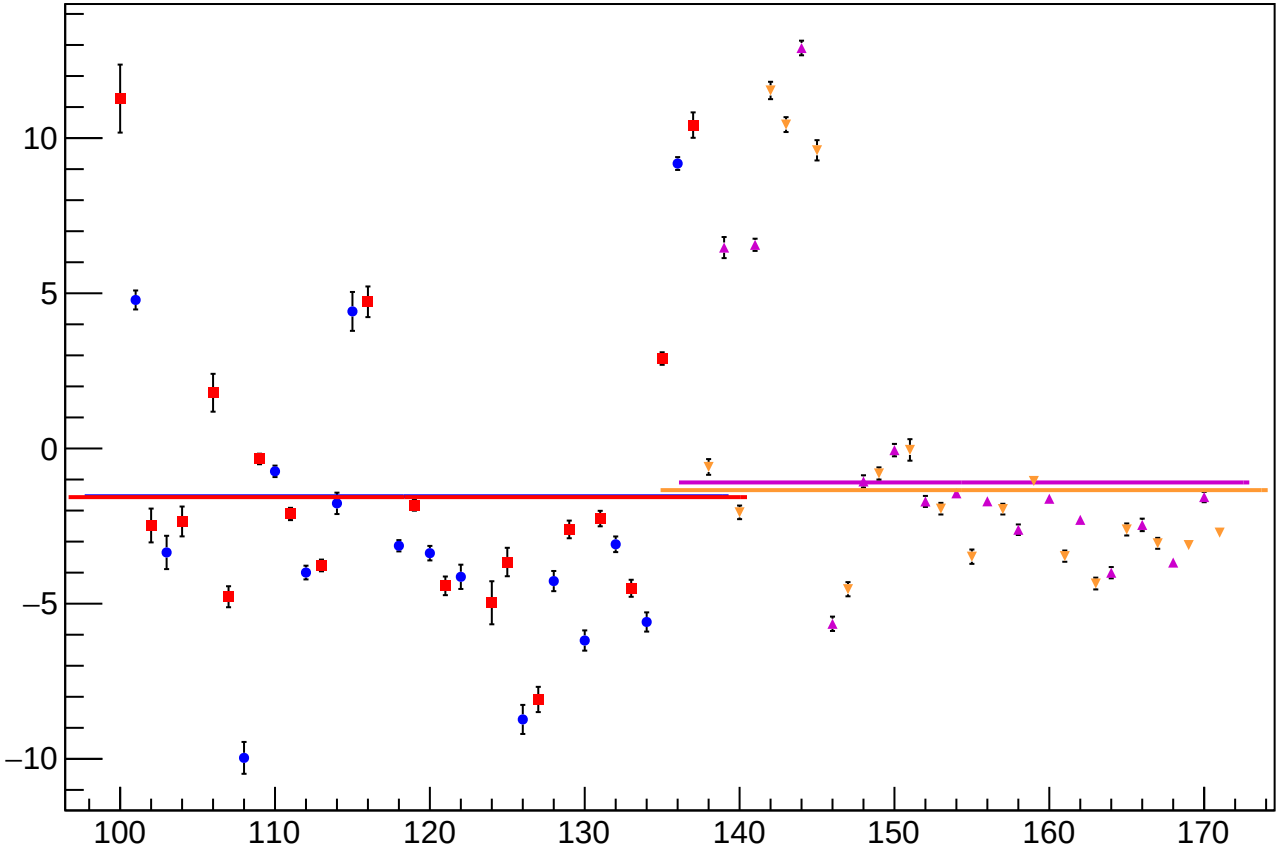
Left In: -3.954+/-0.051 χ^2/NDF:119136.2/15

+ sign -1.501+/-0.043 χ^2/NDF: 247650.8/33

All: -0.797+/-0.029 χ^2/NDF: 455374.0/68

- sign -0.227+/-0.038 χ^2/NDF: 207232.2/34

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.342+/-0.047 χ^2/NDF:6732.5/17

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

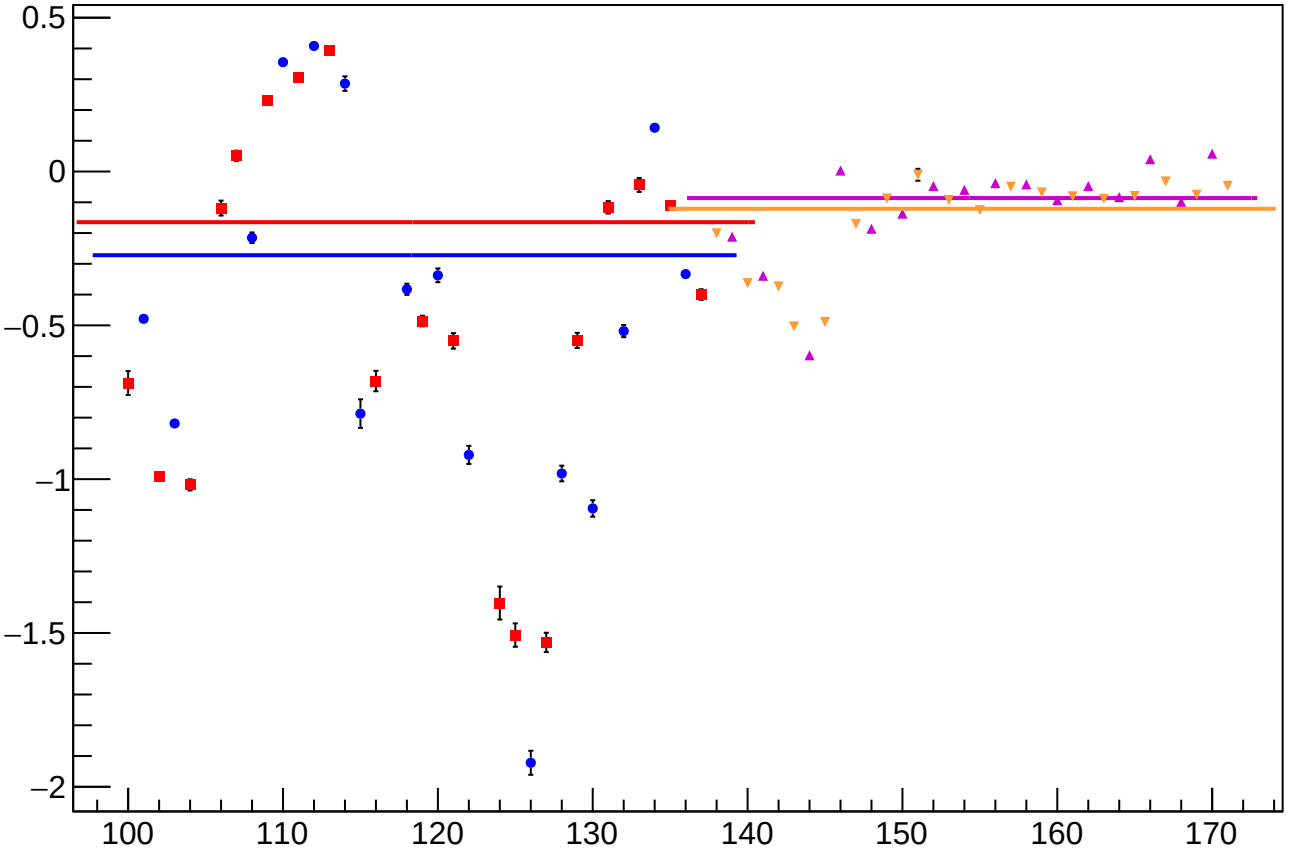
Left In: -1.094+/-0.043 χ^2/NDF:6728.6/15

+ sign -1.404+/-0.039 χ^2/NDF: 11273.9/33

All: -1.313+/-0.026 χ^2/NDF: 20546.8/68

- sign -1.238+/-0.036 χ^2/NDF: 9263.0/34

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.121+/-0.002 χ^2/NDF:3349.8/17

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

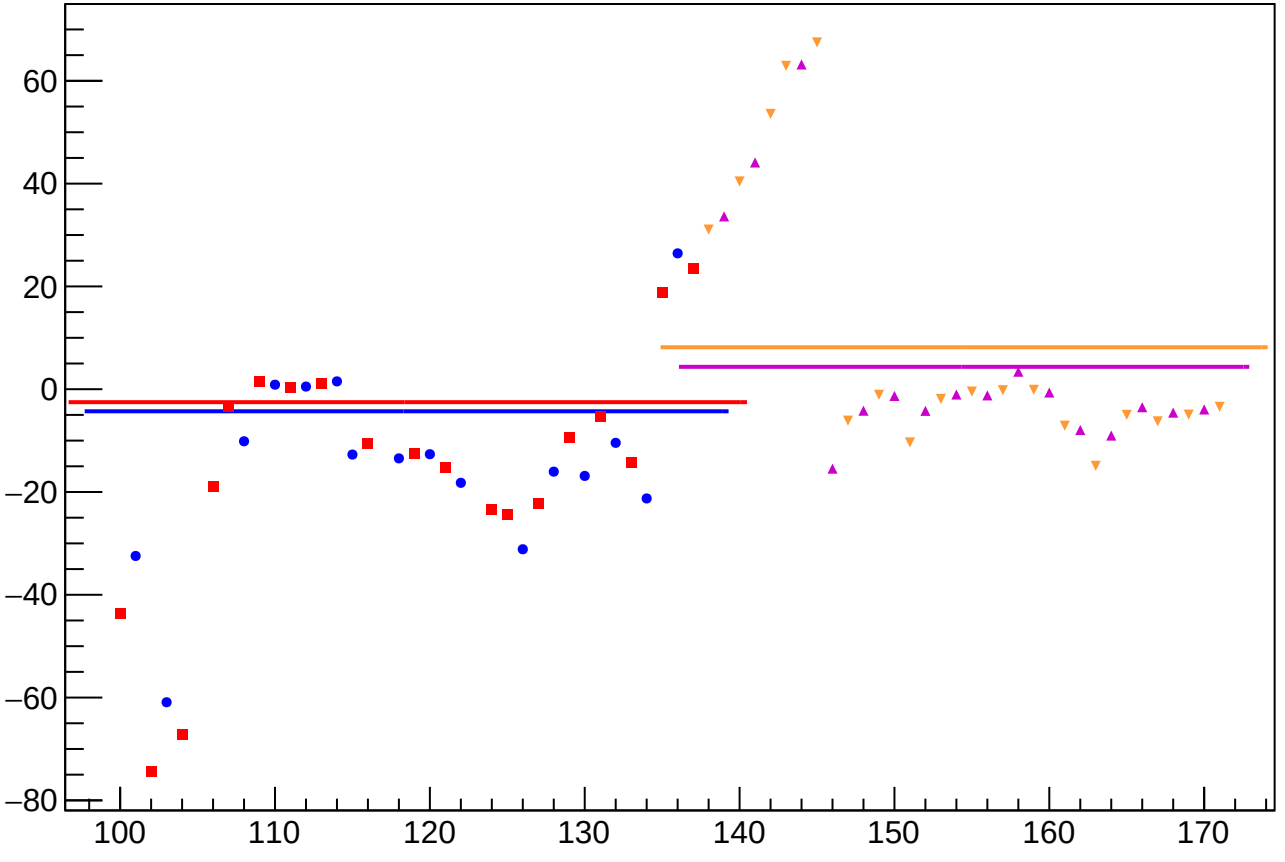
Left In: -0.086+/-0.002 χ^2/NDF:3635.0/15

+ sign -0.151+/-0.002 χ^2/NDF: 16472.5/33

All: -0.123+/-0.001 χ^2/NDF: 36358.1/68

- sign -0.101+/-0.002 χ^2/NDF: 19472.9/34

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 8.164+/-0.059 χ^2/NDF:152669.5/17

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

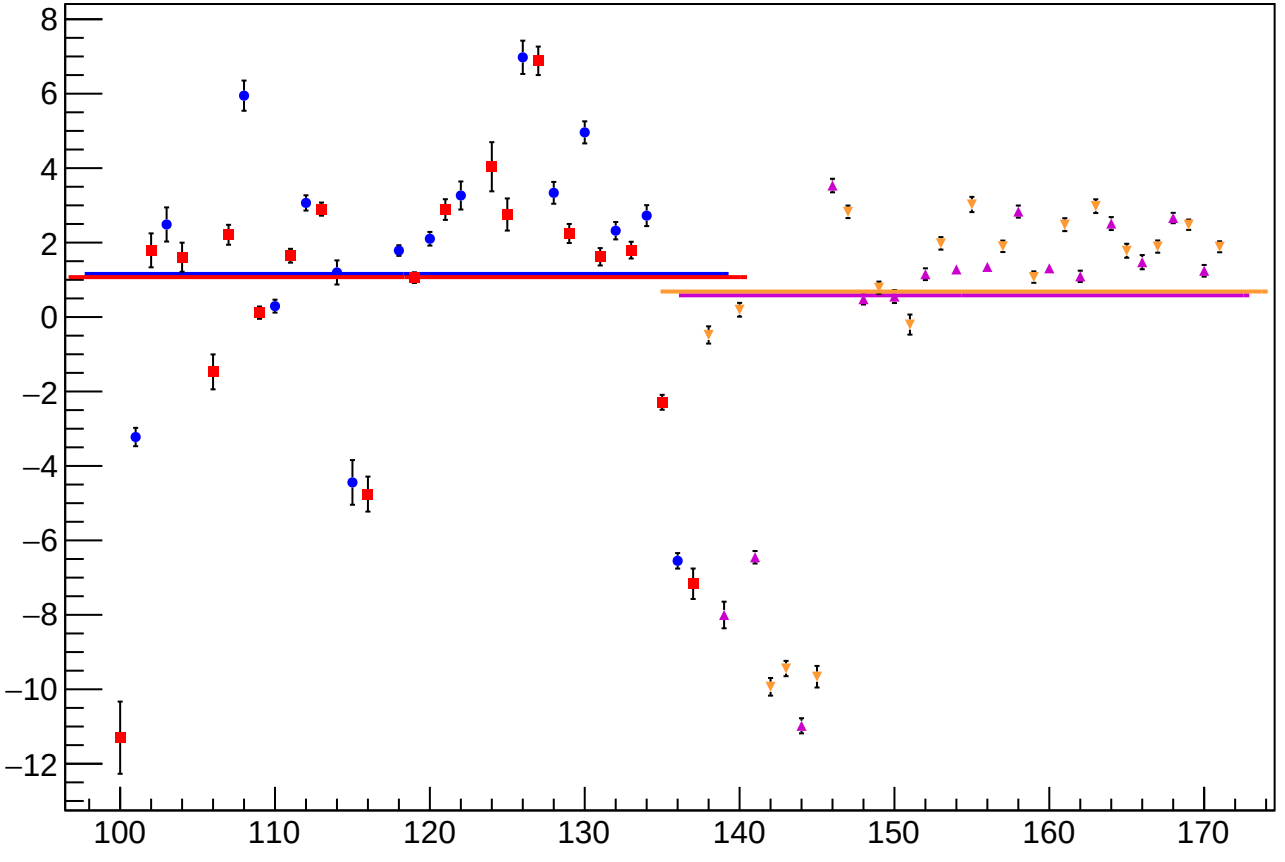
Left In: 4.355+/-0.054 χ^2/NDF:119634.4/15

+ sign 1.619+/-0.040 χ^2/NDF: 250610.5/33

All: 0.979+/-0.027 χ^2/NDF: 459862.6/68

- sign 0.488+/-0.035 χ^2/NDF: 208809.2/34

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.685+/-0.042 χ^2/NDF:6743.7/17

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

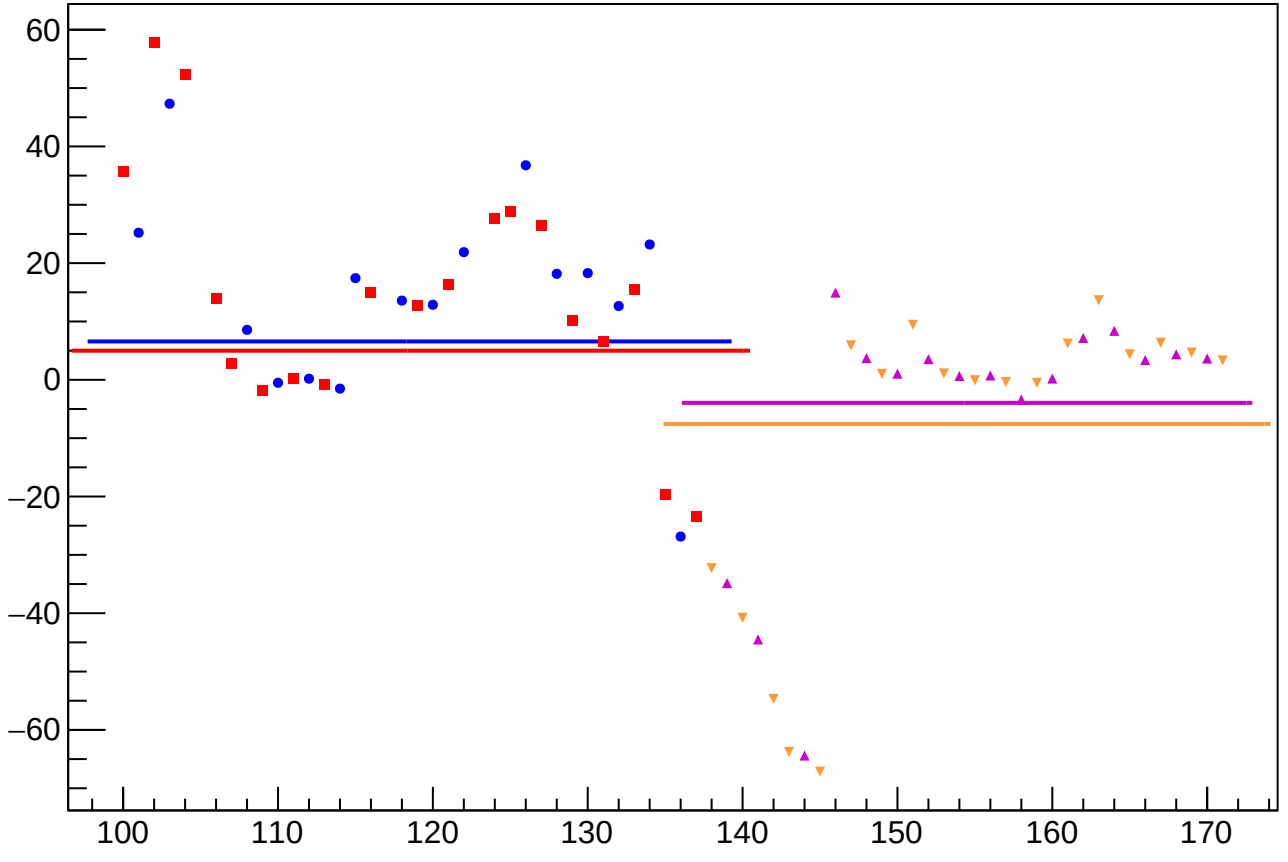
Left In: 0.584+/-0.038 χ^2/NDF:6554.1/15

+ sign 0.837+/-0.035 χ^2/NDF: 9333.5/33

All: 0.780+/-0.024 χ^2/NDF: 17492.9/68

- sign 0.732+/-0.032 χ^2/NDF: 8154.4/34

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -7.564+/-0.057 χ^2/NDF:148542.4/17

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

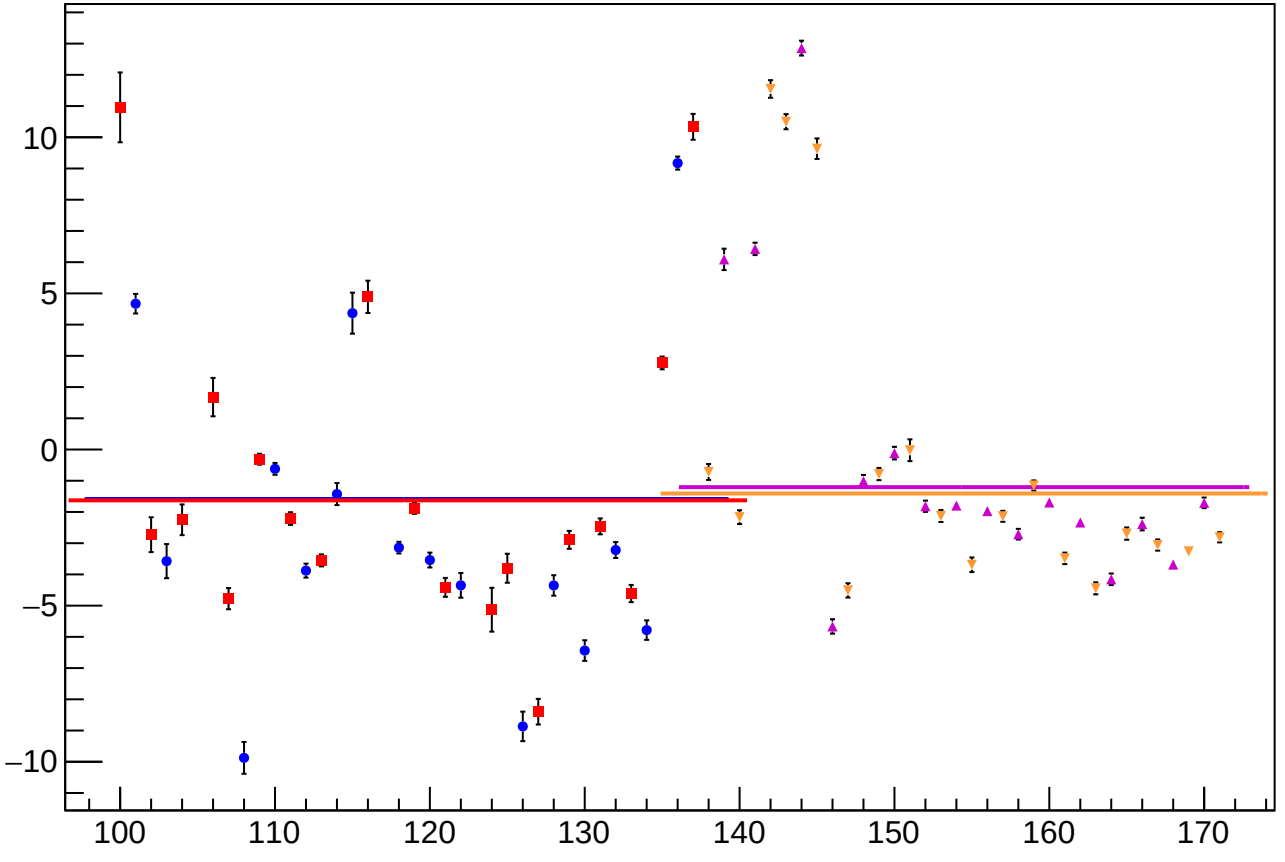
Left In: -3.952+/-0.052 χ^2/NDF:117253.5/15

+ sign -1.511+/-0.043 χ^2/NDF: 244224.3/33

All: -0.775+/-0.029 χ^2/NDF: 449115.4/68

- sign -0.173+/-0.039 χ^2/NDF: 204368.7/34

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.409+/-0.048 χ^2/NDF:6710.6/17

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

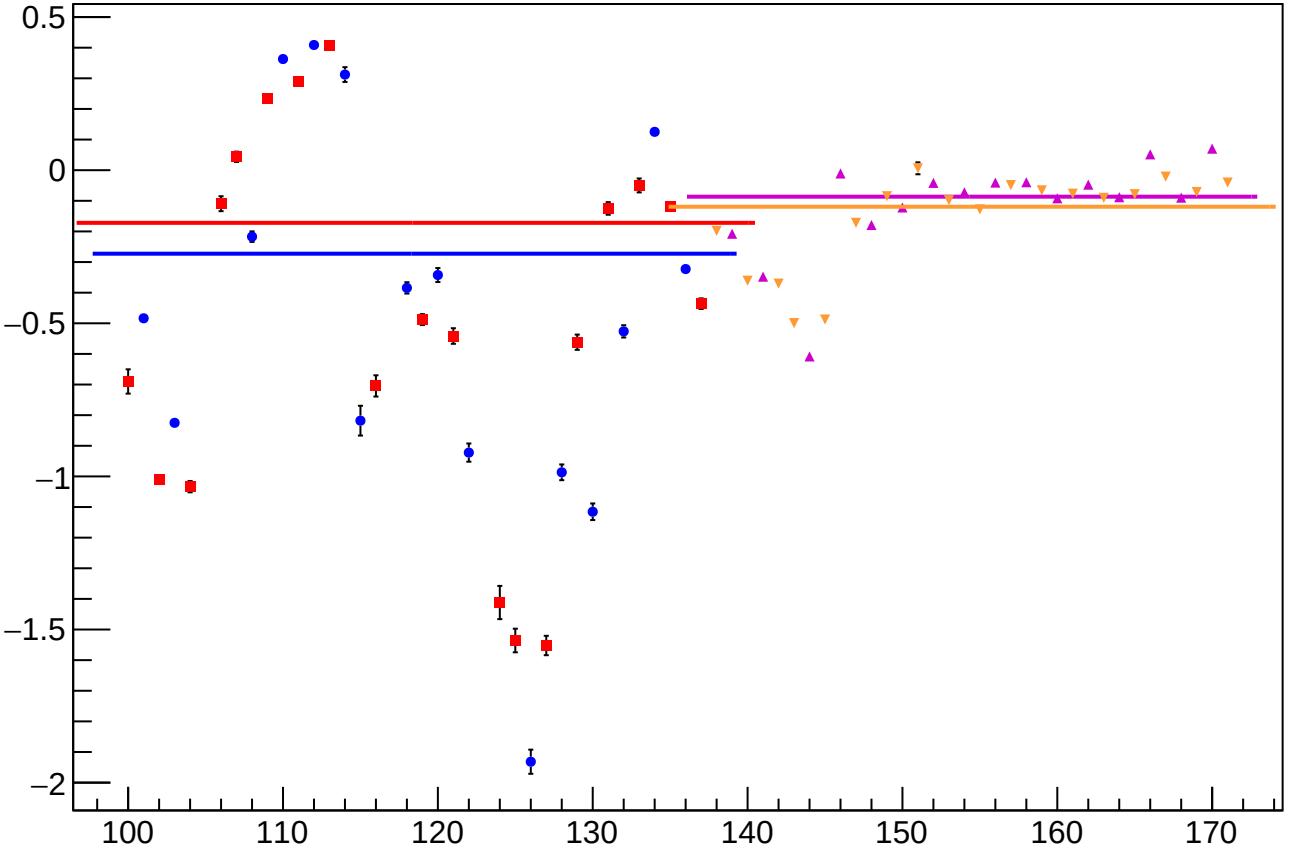
Left In: -1.205+/-0.044 χ^2/NDF:6559.6/15

+ sign -1.465+/-0.040 χ^2/NDF: 11187.5/33

All: -1.393+/-0.027 χ^2/NDF: 20204.1/68

- sign -1.334+/-0.036 χ^2/NDF: 9010.6/34

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.119+/-0.002 χ^2/NDF:3313.1/17

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

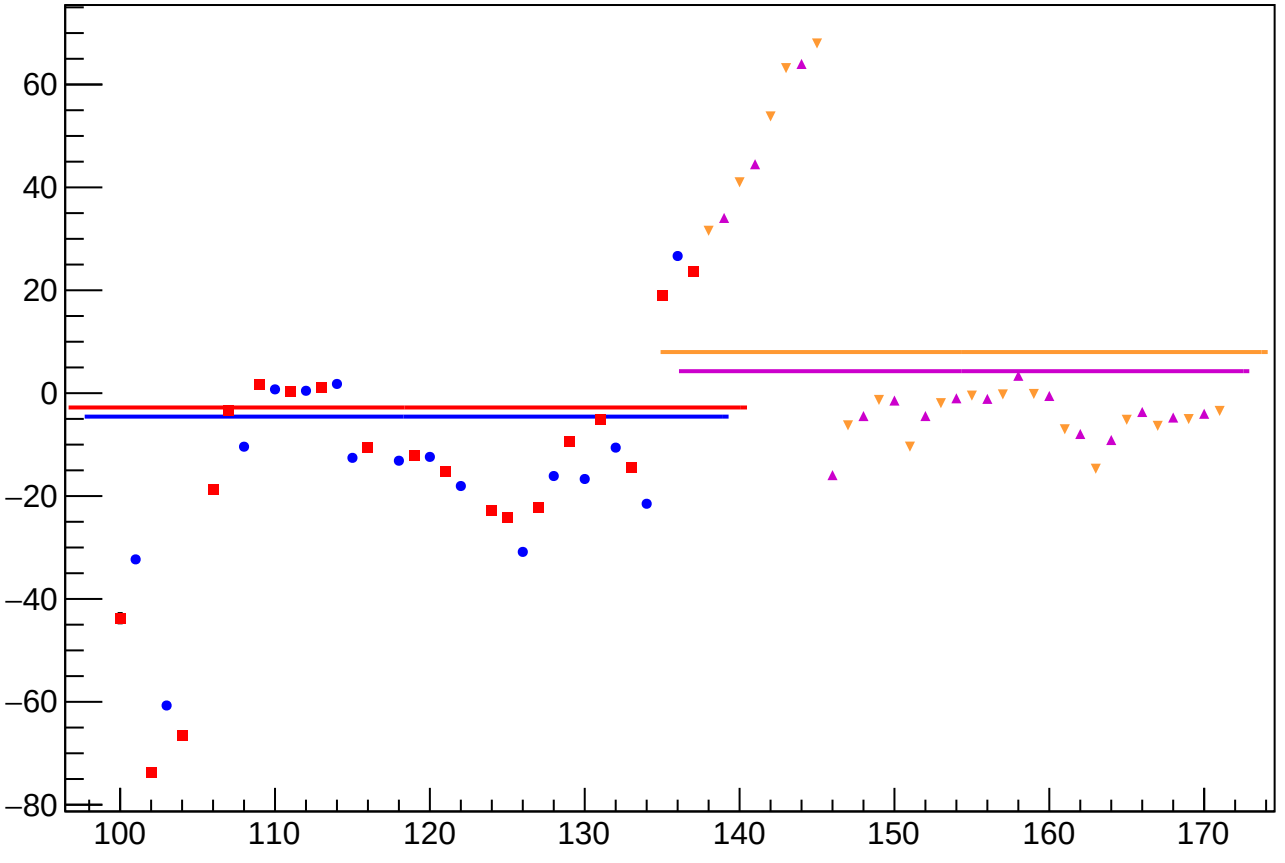
Left In: -0.086+/-0.002 χ^2/NDF:3695.6/15

+ sign -0.150+/-0.002 χ^2/NDF: 16227.8/33

All: -0.123+/-0.001 χ^2/NDF: 35995.7/68

- sign -0.102+/-0.002 χ^2/NDF: 19414.8/34

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 7.994+/-0.059 χ^2/NDF:150824.2/17

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

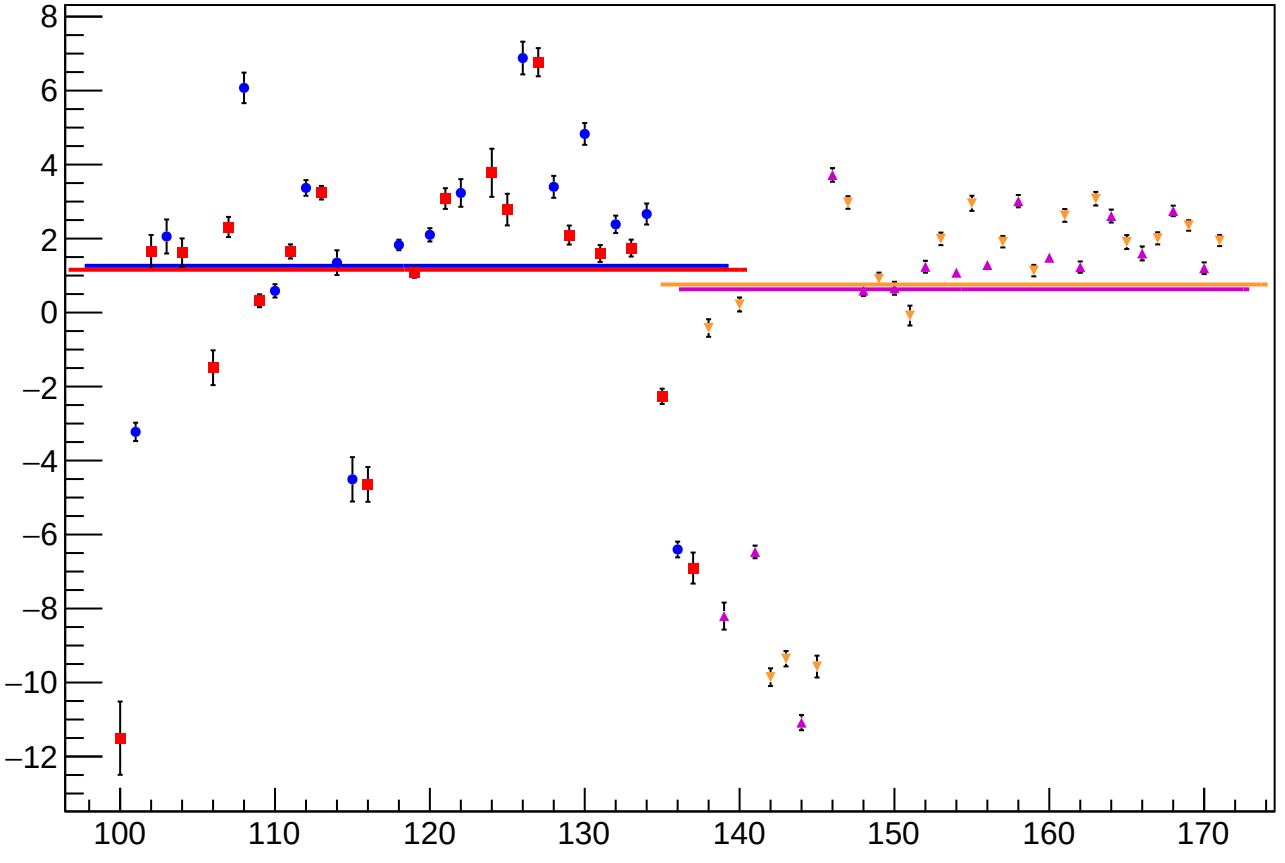
Left In: 4.275+/-0.054 χ^2/NDF:118384.3/15

+ sign 1.457+/-0.041 χ^2/NDF: 246855.1/33

All: 0.838+/-0.027 χ^2/NDF: 452952.4/68

- sign 0.356+/-0.036 χ^2/NDF: 205691.6/34

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.759+/-0.043 χ^2/NDF:6530.2/17

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

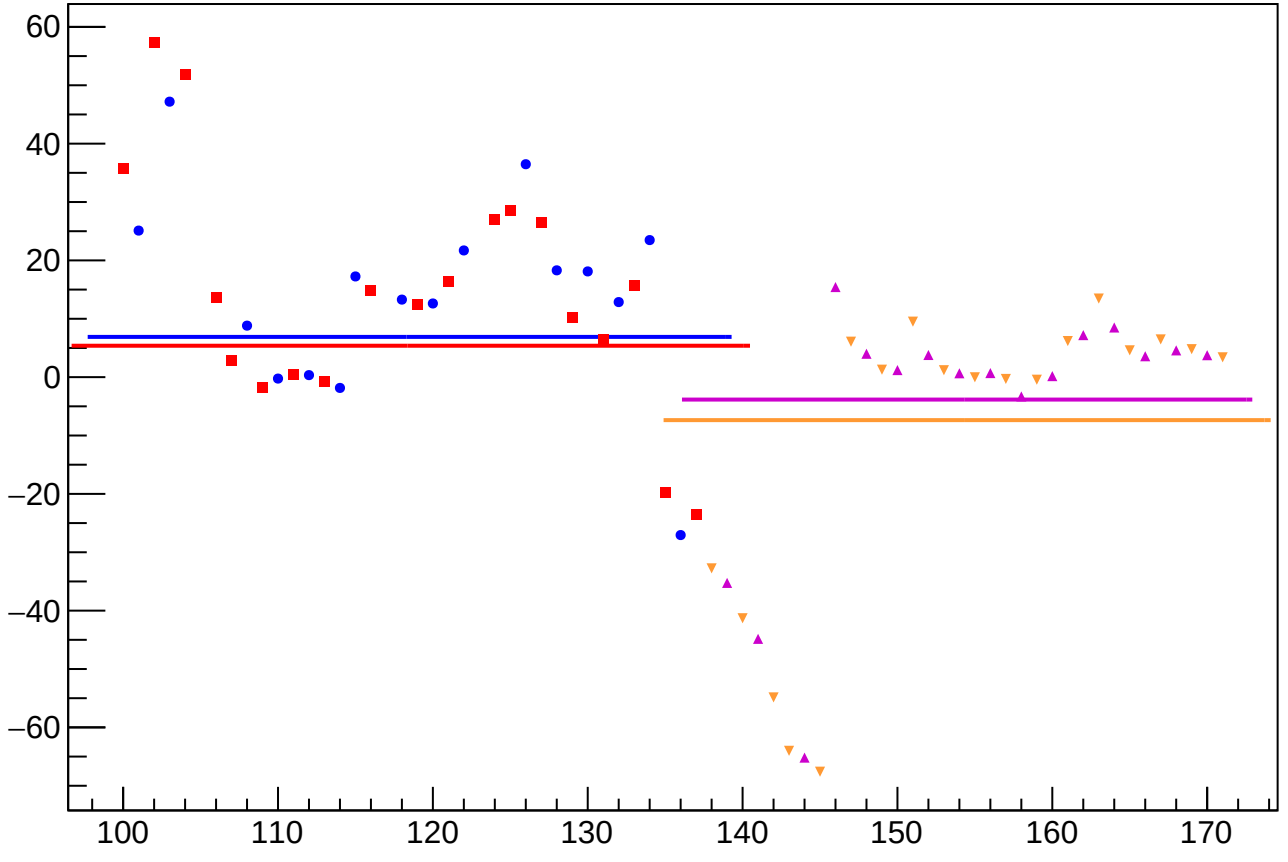
Left In: 0.628+/-0.039 χ^2/NDF:6510.7/15

+ sign 0.921+/-0.035 χ^2/NDF: 9018.9/33

All: 0.850+/-0.024 χ^2/NDF: 17083.5/68

- sign 0.789+/-0.033 χ^2/NDF: 8057.0/34

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -7.364+/-0.058 χ^2/NDF:146606.8/17

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

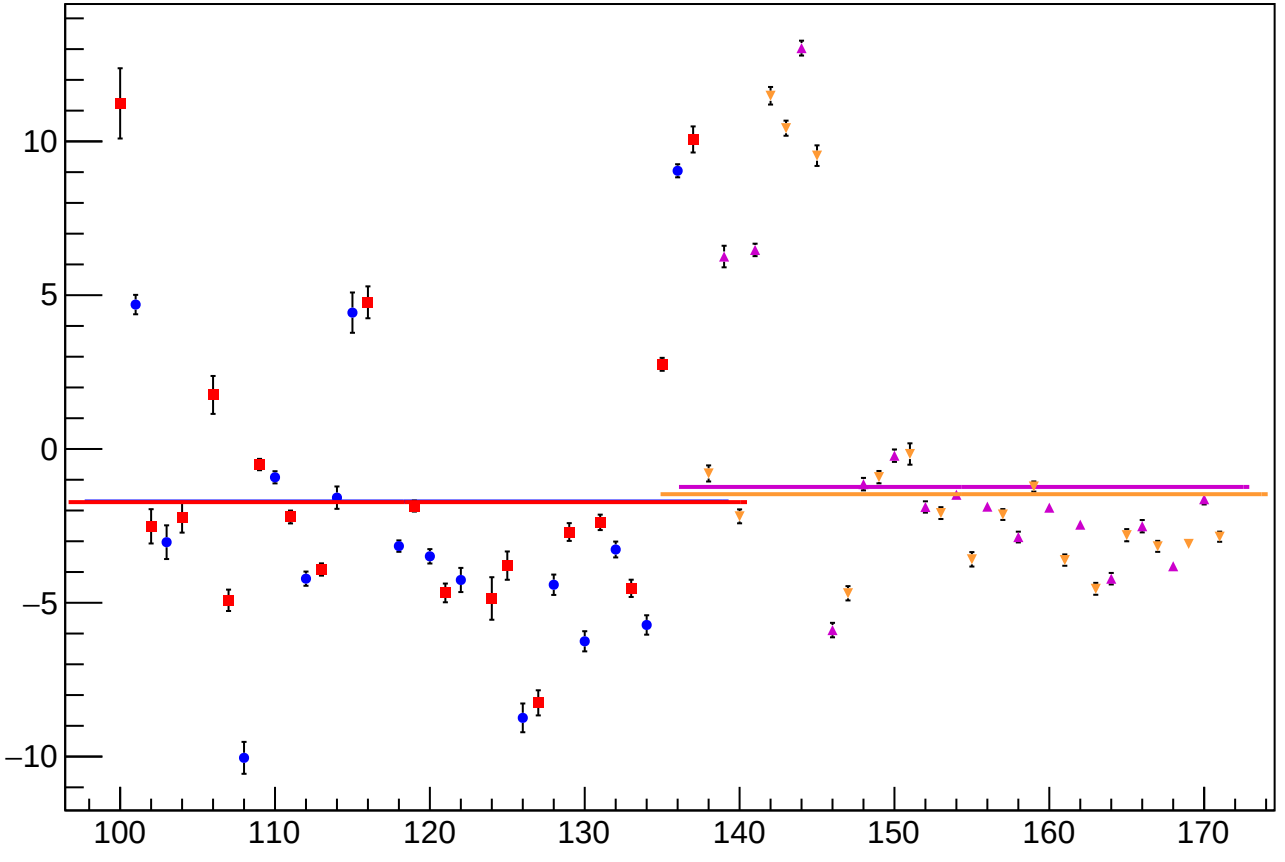
Left In: -3.842+/-0.052 χ^2/NDF:115976.3/15

+ sign -1.295+/-0.044 χ^2/NDF: 240387.1/33

All: -0.573+/-0.030 χ^2/NDF: 442074.1/68

- sign 0.022+/-0.040 χ^2/NDF: 201195.0/34

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.470+/-0.048 χ^2/NDF:6509.6/17

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

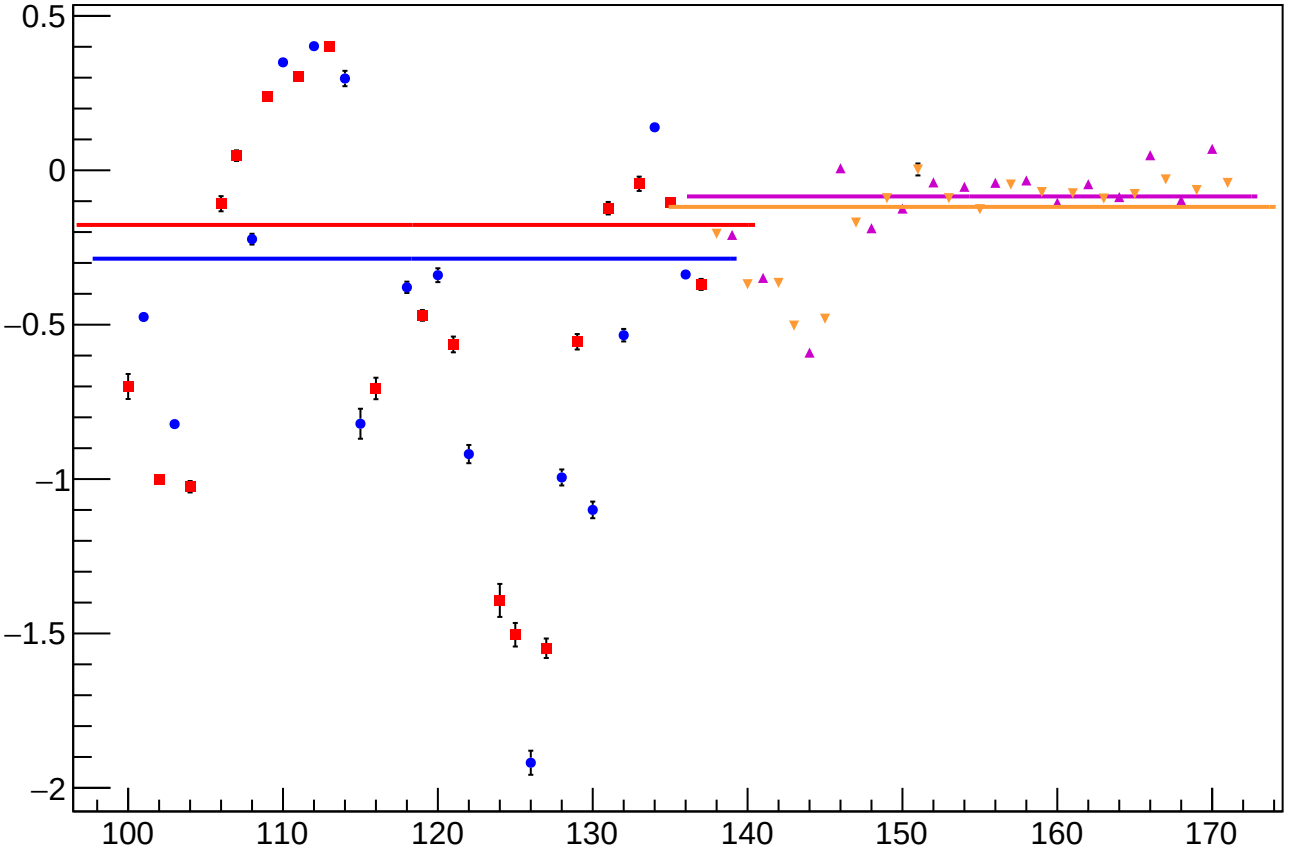
Left In: -1.234+/-0.044 χ^2/NDF:6546.1/15

+ sign -1.544+/-0.040 χ^2/NDF: 10807.0/33

All: -1.457+/-0.027 χ^2/NDF: 19709.4/68

- sign -1.383+/-0.037 χ^2/NDF: 8893.7/34

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.118+/-0.002 χ^2/NDF:3245.0/17

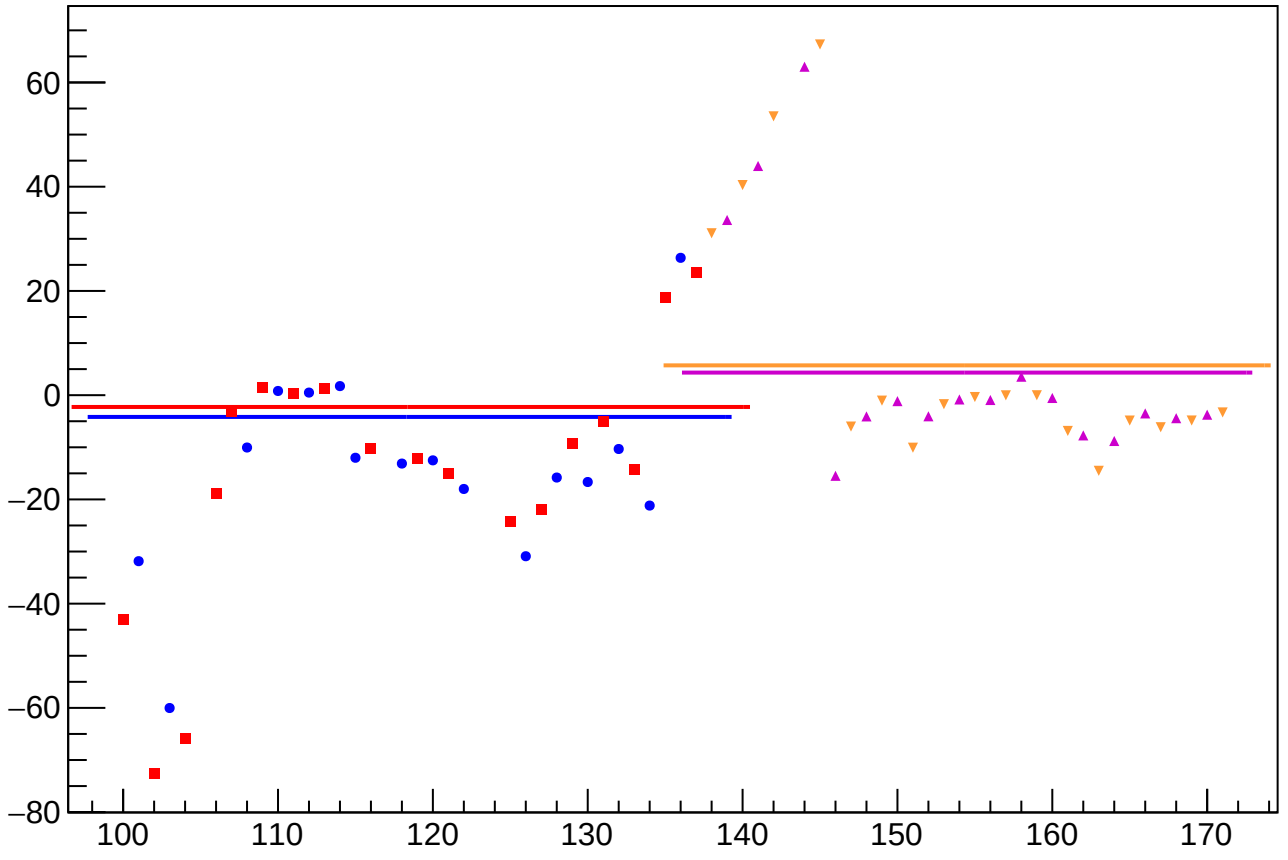
Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.085+/-0.002 χ^2/NDF:3565.2/15

+ sign -0.151+/-0.002 χ^2/NDF: 15839.7/33

All: -0.124+/-0.001 χ^2/NDF: 35000.6/68

- sign -0.102+/-0.002 χ^2/NDF: 18778.0/34



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 5.720+/-0.059 χ^2/NDF:116393.0/16

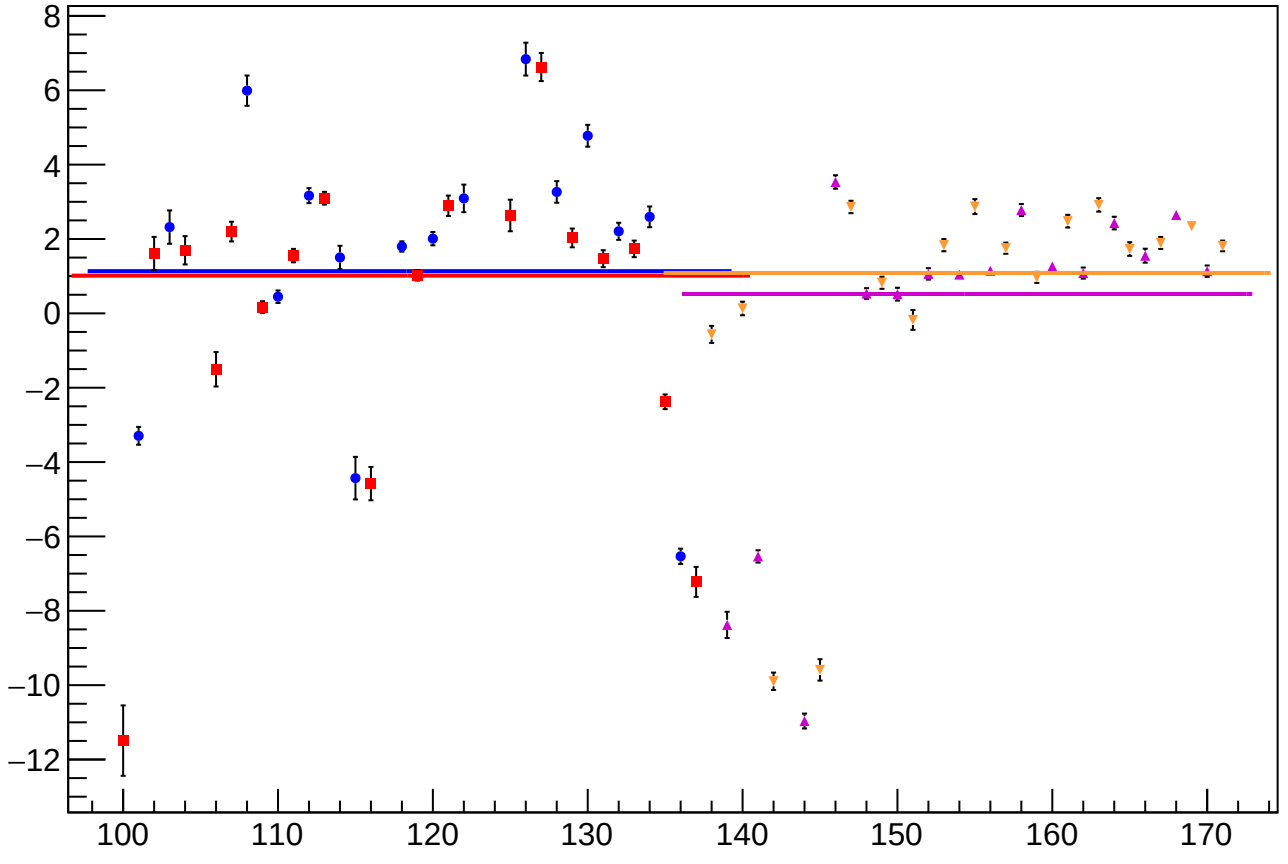
Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 4.334+/-0.052 χ^2/NDF:121785.8/15

+ sign 0.398+/-0.040 χ^2/NDF: 207043.1/32

All: 0.527+/-0.026 χ^2/NDF: 417443.3/66

- sign 0.622+/-0.035 χ^2/NDF: 210382.3/33



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.086+/-0.043 χ^2/NDF:4231.4/16

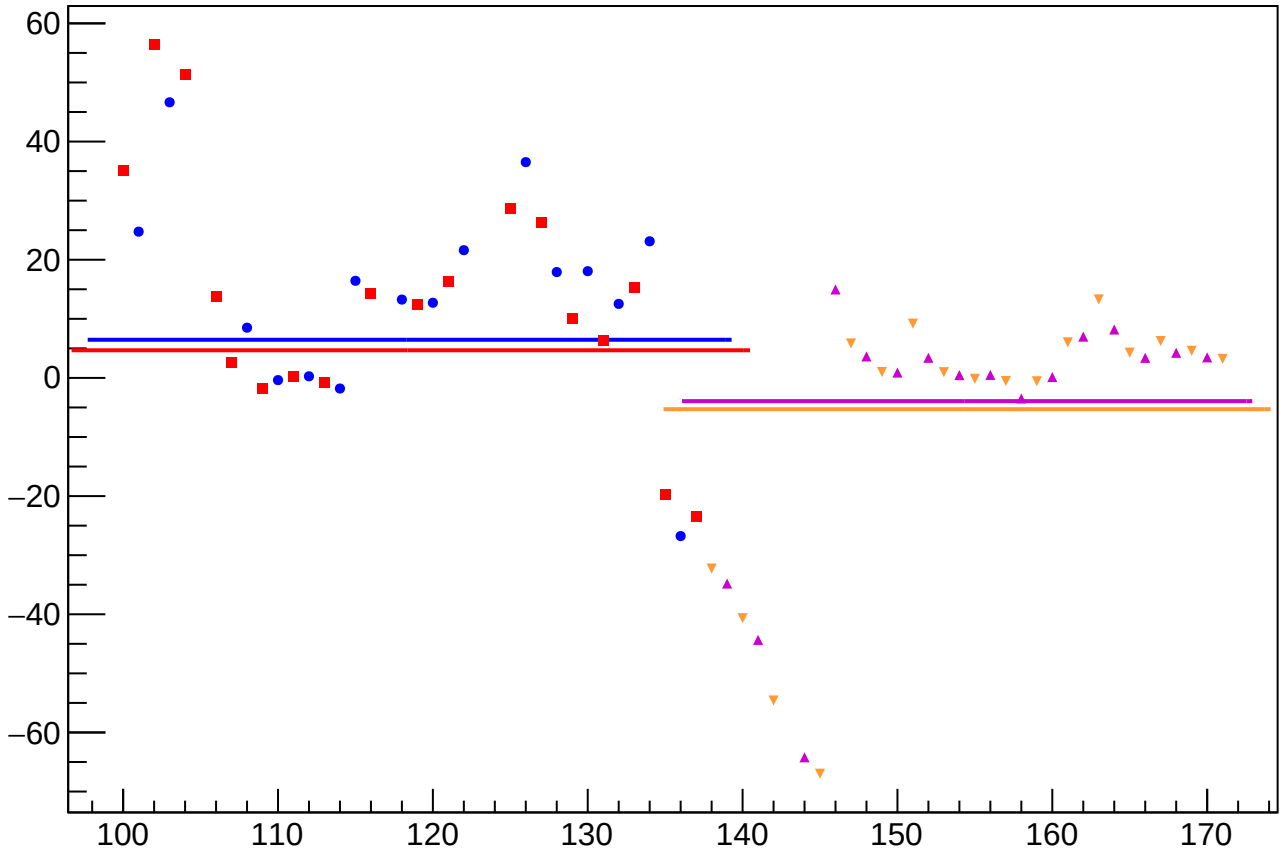
Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.521+/-0.038 χ^2/NDF:6734.2/15

+ sign 1.103+/-0.035 χ^2/NDF: 6827.5/32

All: 0.864+/-0.023 χ^2/NDF: 15292.5/66

- sign 0.669+/-0.031 χ^2/NDF: 8379.3/33



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -5.292+/-0.057 χ^2/NDF:112474.5/16

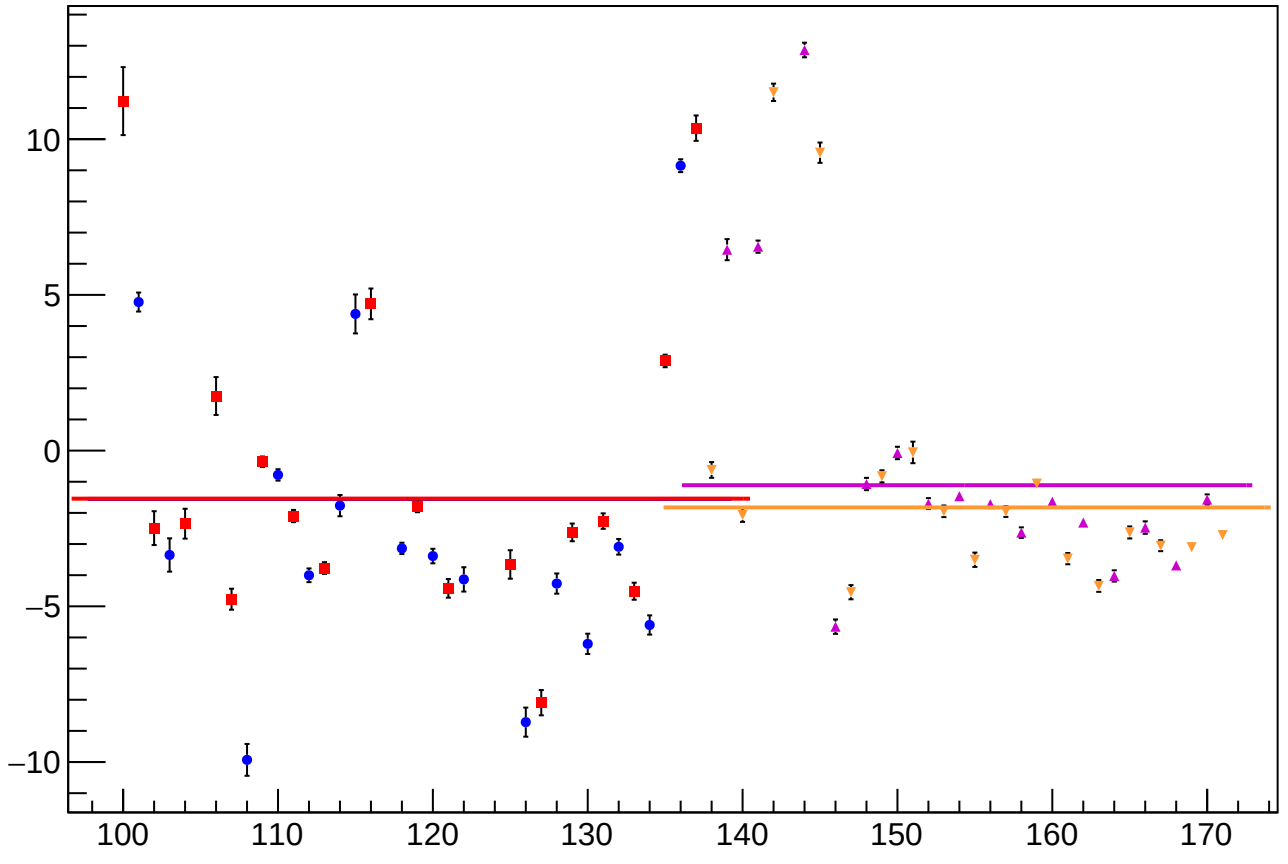
Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.927+/-0.050 χ^2/NDF:119370.7/15

+ sign -0.138+/-0.043 χ^2/NDF: 201632.6/32

All: -0.229+/-0.029 χ^2/NDF: 407694.8/66

- sign -0.302+/-0.038 χ^2/NDF: 206054.2/33



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.825+/-0.048 χ^2/NDF:4223.8/16

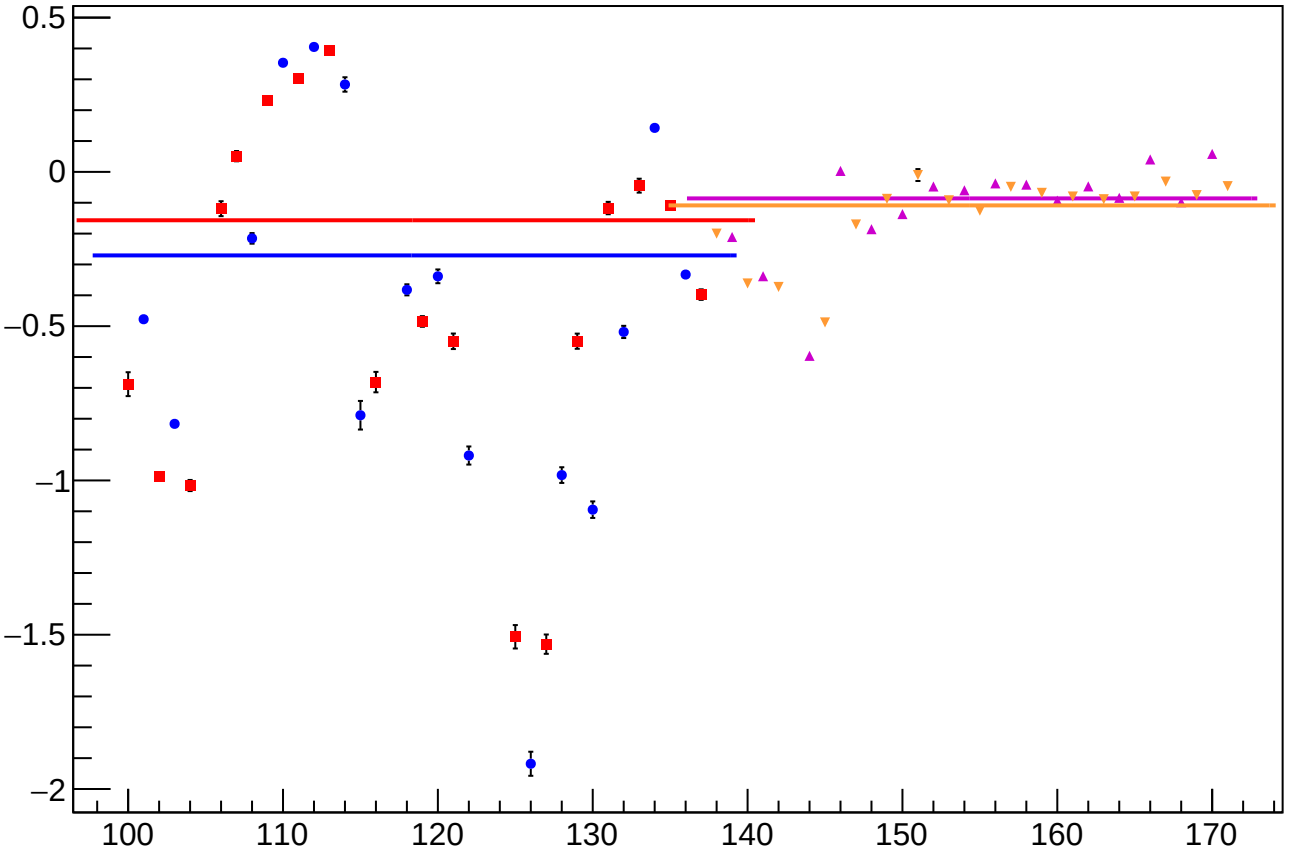
Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.112+/-0.042 χ^2/NDF:6748.5/15

+ sign -1.737+/-0.039 χ^2/NDF: 8777.9/32

All: -1.463+/-0.026 χ^2/NDF: 18117.6/66

- sign -1.242+/-0.035 χ^2/NDF: 9252.7/33



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.109+/-0.002 χ^2/NDF:2284.9/16

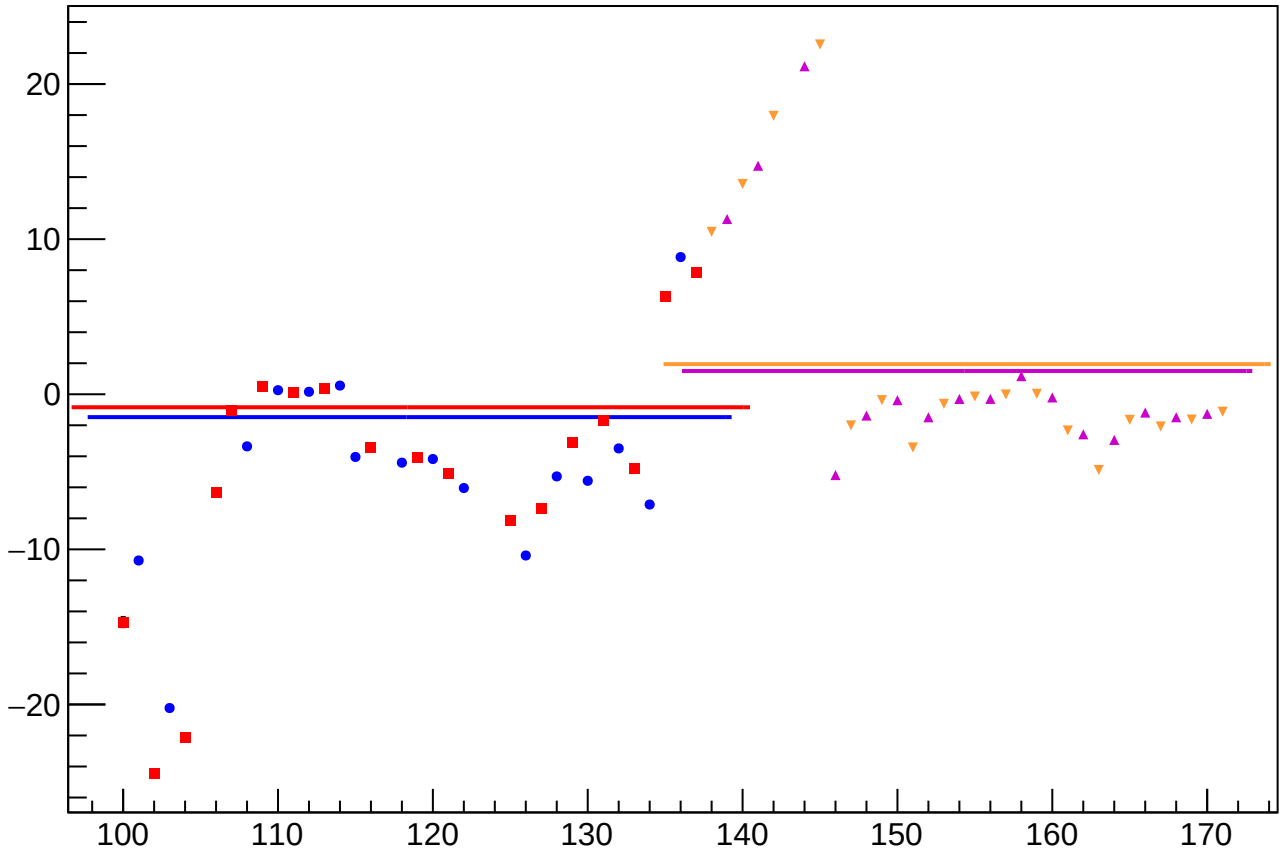
Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.086+/-0.002 χ^2/NDF:3644.6/15

+ sign -0.141+/-0.002 χ^2/NDF: 15603.1/32

All: -0.117+/-0.001 χ^2/NDF: 34844.3/66

- sign -0.099+/-0.002 χ^2/NDF: 18948.0/33



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.942+/-0.020 χ^2/NDF:114372.6/16

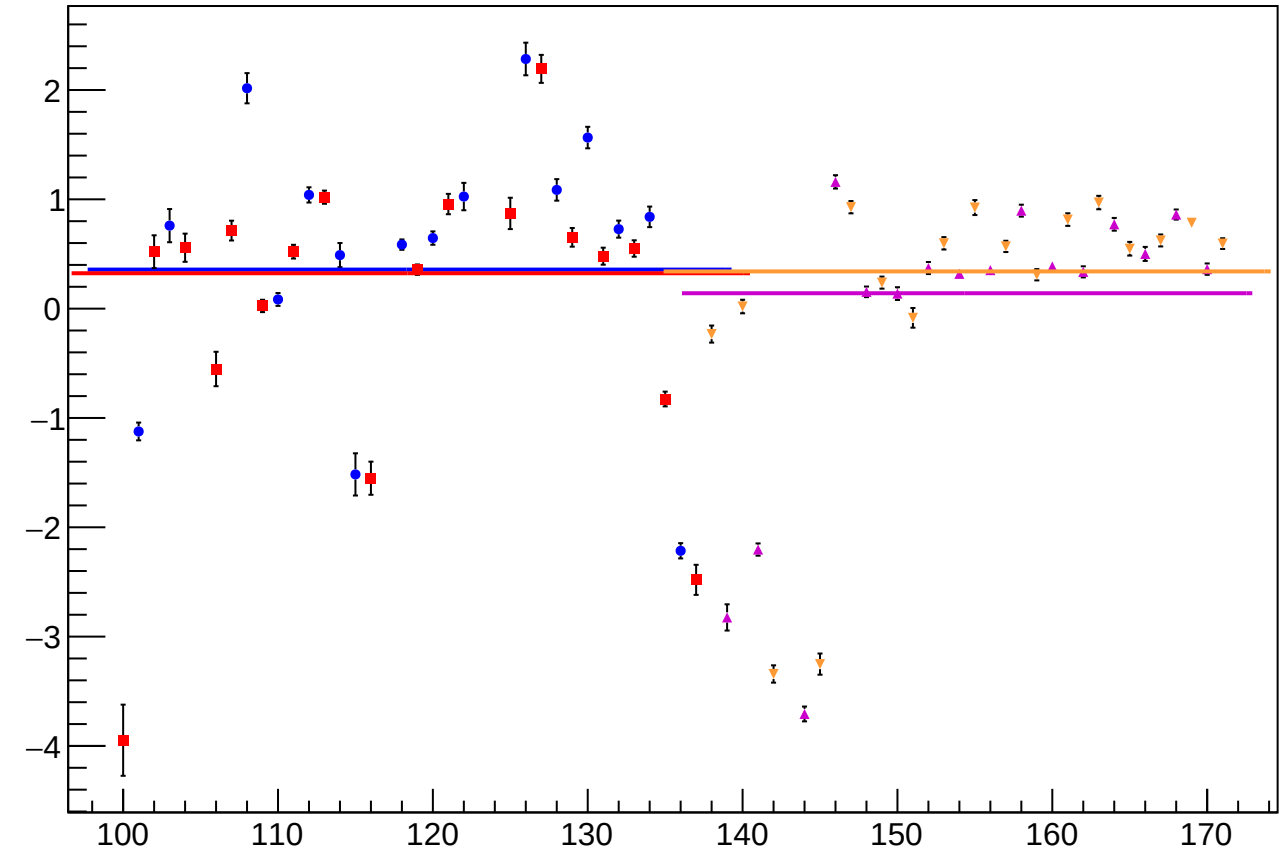
Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.500+/-0.018 χ^2/NDF:119170.0/15

+ sign 0.119+/-0.014 χ^2/NDF: 203592.6/32

All: 0.165+/-0.009 χ^2/NDF: 410237.4/66

- sign 0.199+/-0.012 χ^2/NDF: 206625.4/33



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.341+/-0.014 χ^2/NDF:4190.2/16

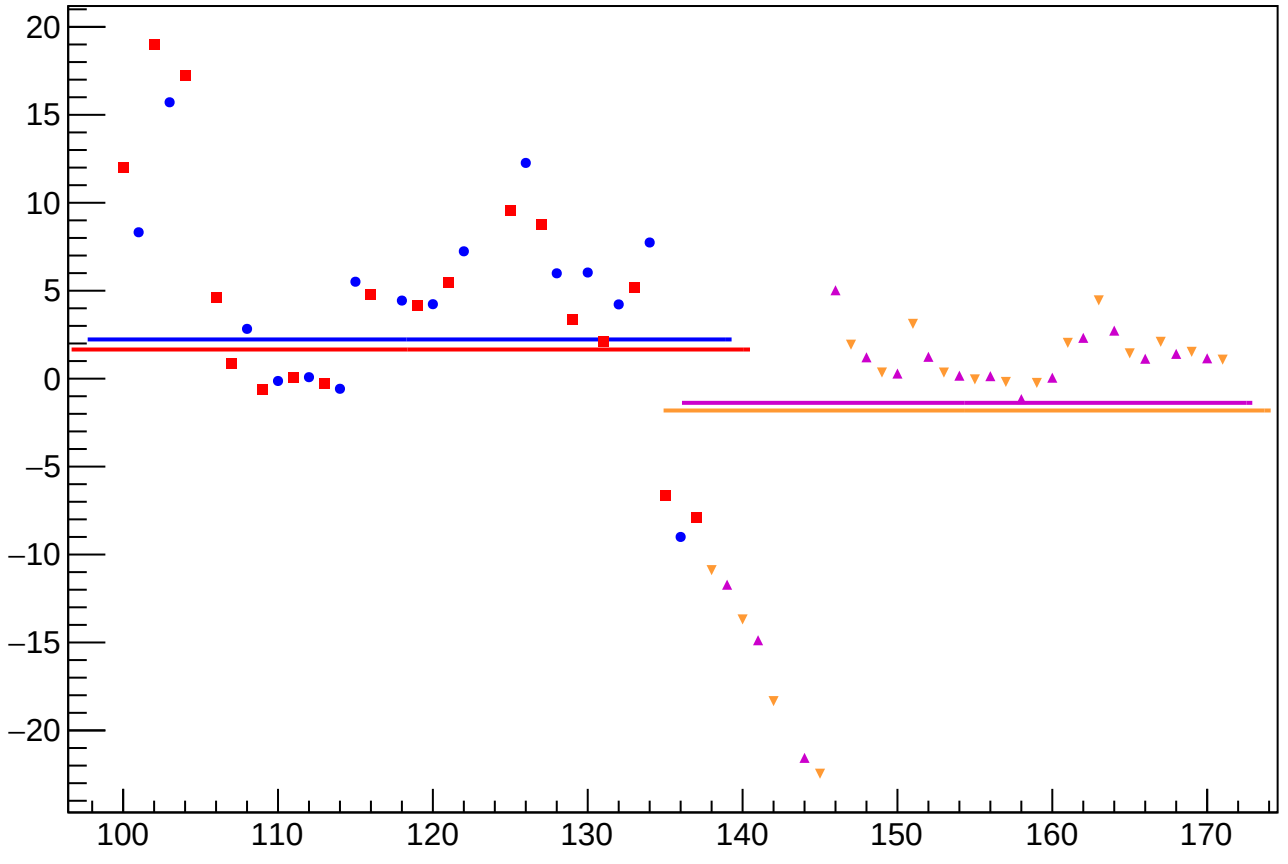
Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.141+/-0.013 χ^2/NDF:6565.8/15

+ sign 0.346+/-0.012 χ^2/NDF: 6733.7/32

All: 0.264+/-0.008 χ^2/NDF: 15006.6/66

- sign 0.196+/-0.011 χ^2/NDF: 8185.0/33



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.810+/-0.020 χ^2/NDF:110538.3/16

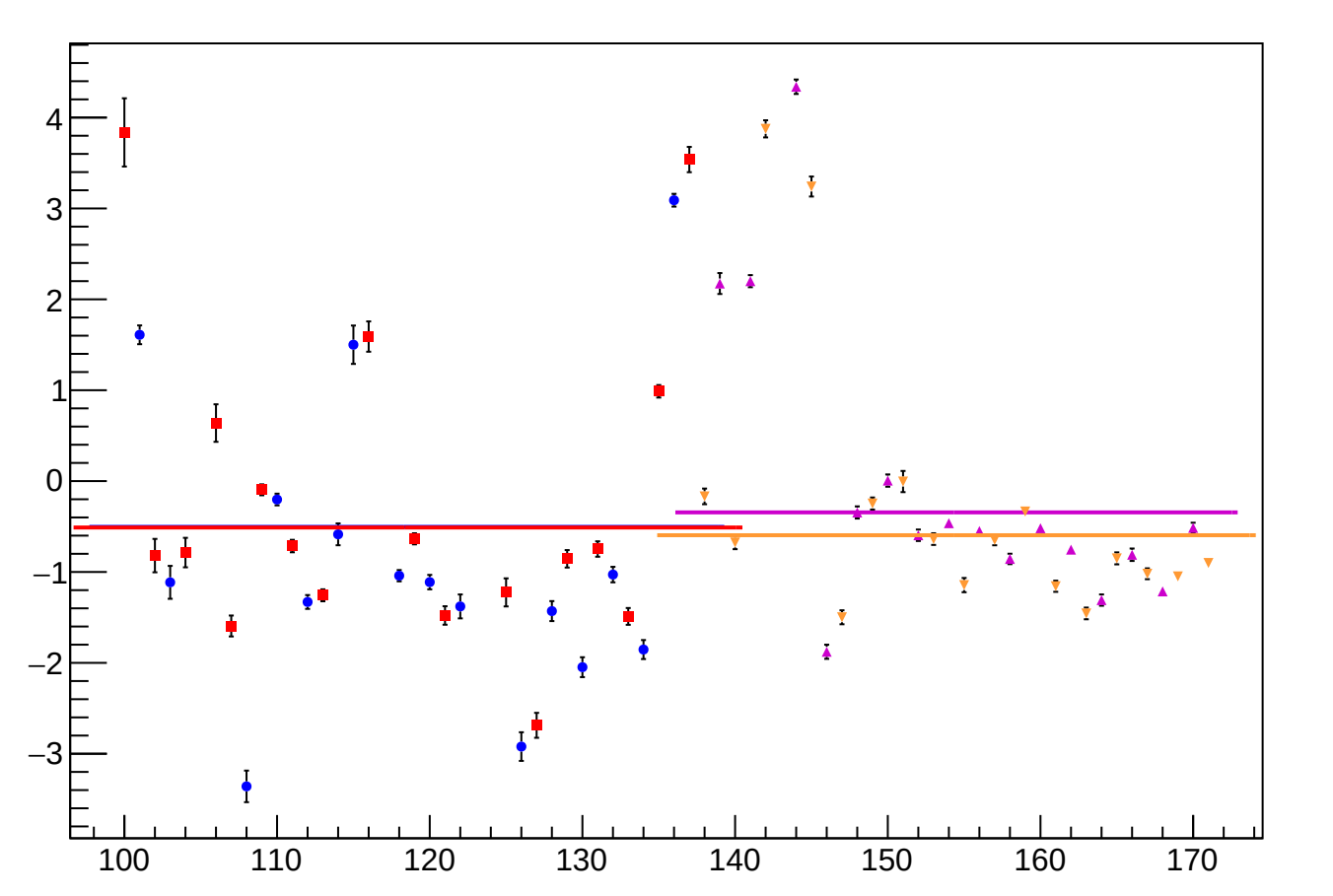
Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.375+/-0.017 χ^2/NDF:116868.2/15

+ sign -0.047+/-0.015 χ^2/NDF: 198285.4/32

All: -0.080+/-0.010 χ^2/NDF: 400746.8/66

- sign -0.107+/-0.013 χ^2/NDF: 202452.3/33



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.595+/-0.016 χ^2/NDF:4185.1/16

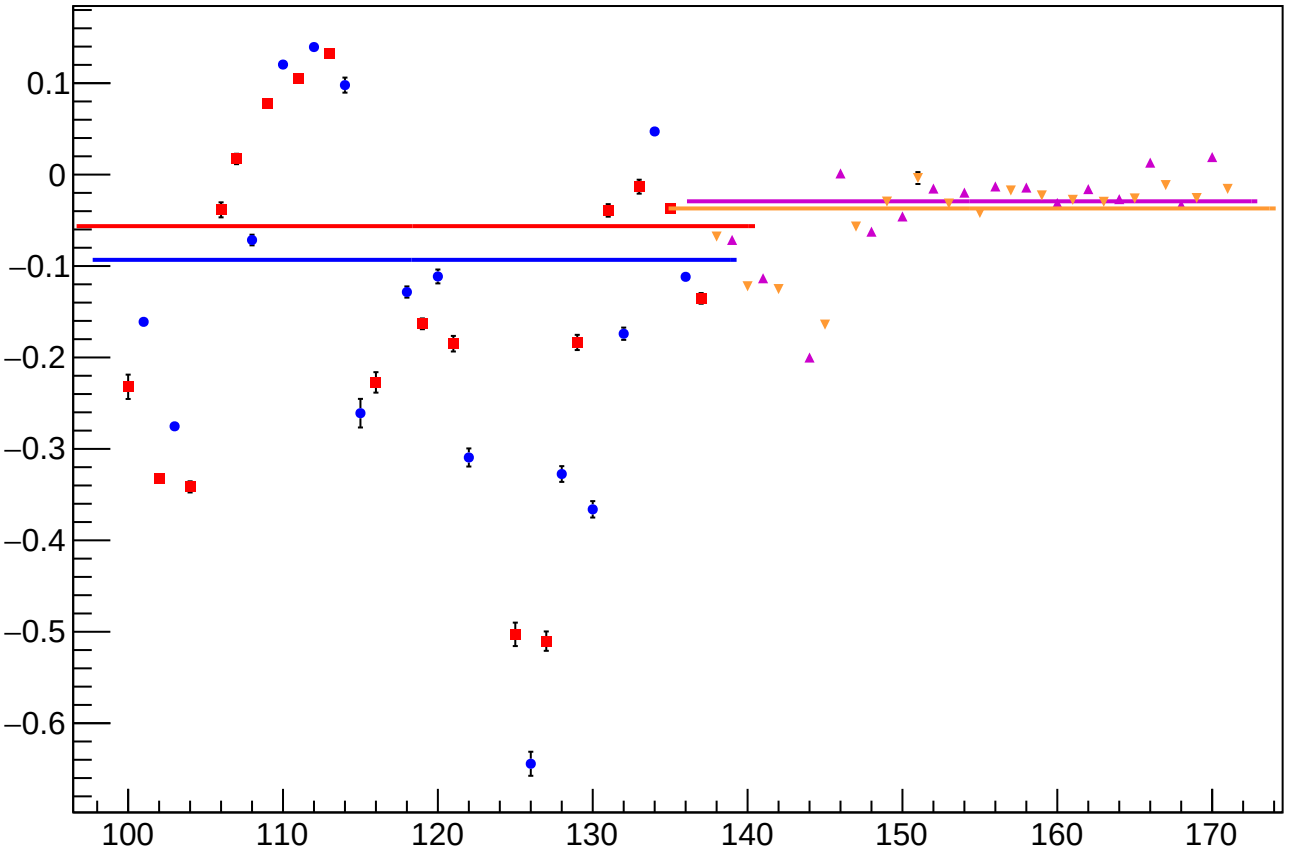
Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.344+/-0.015 χ^2/NDF:6588.6/15

+ sign -0.566+/-0.013 χ^2/NDF: 8642.5/32

All: -0.472+/-0.009 χ^2/NDF: 17783.1/66

- sign -0.394+/-0.012 χ^2/NDF: 9051.6/33



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.037+/-0.001 χ^2/NDF:2239.7/16

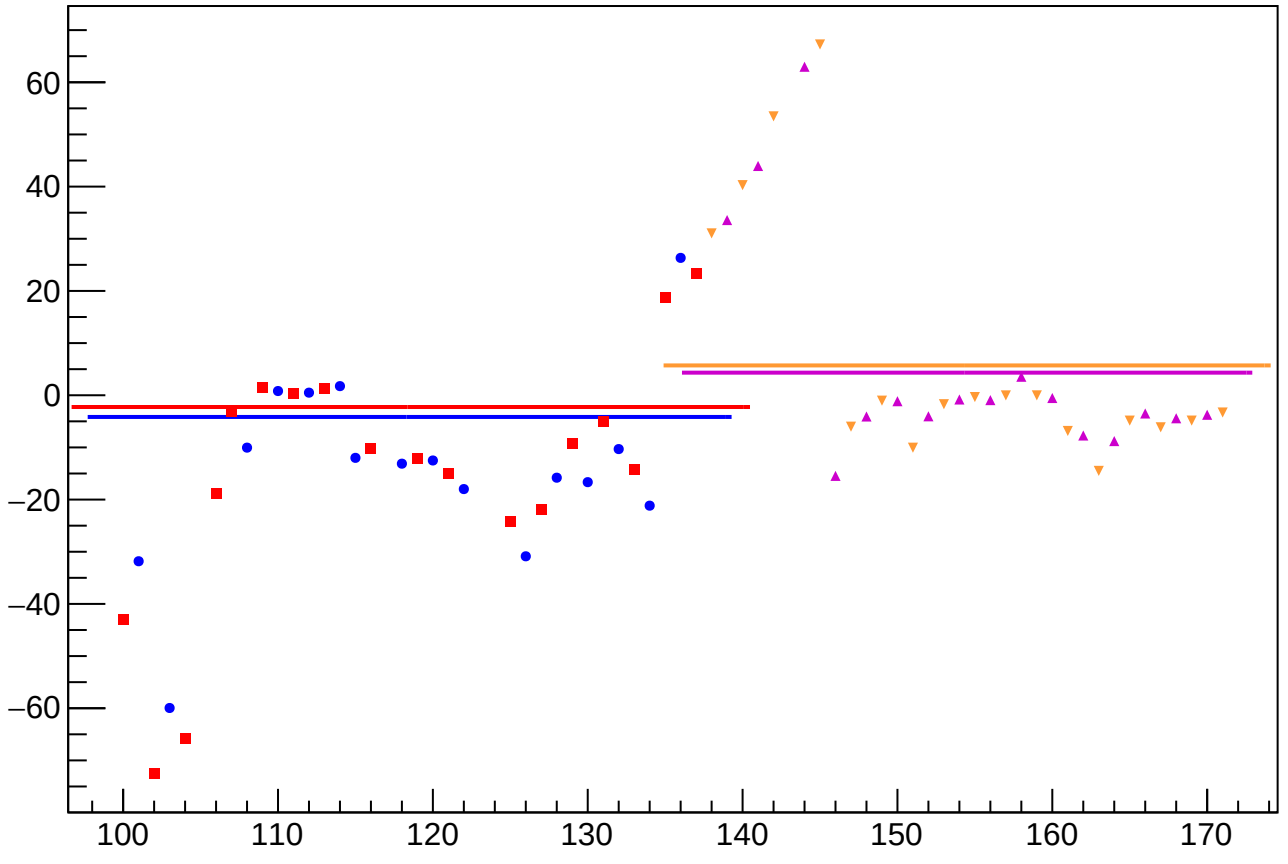
Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.029+/-0.001 χ^2/NDF:3558.9/15

+ sign -0.048+/-0.001 χ^2/NDF: 15242.4/32

All: -0.040+/-0.000 χ^2/NDF: 33889.9/66

- sign -0.034+/-0.001 χ^2/NDF: 18368.6/33



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 5.720+/-0.059 χ^2/NDF:116378.3/16

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

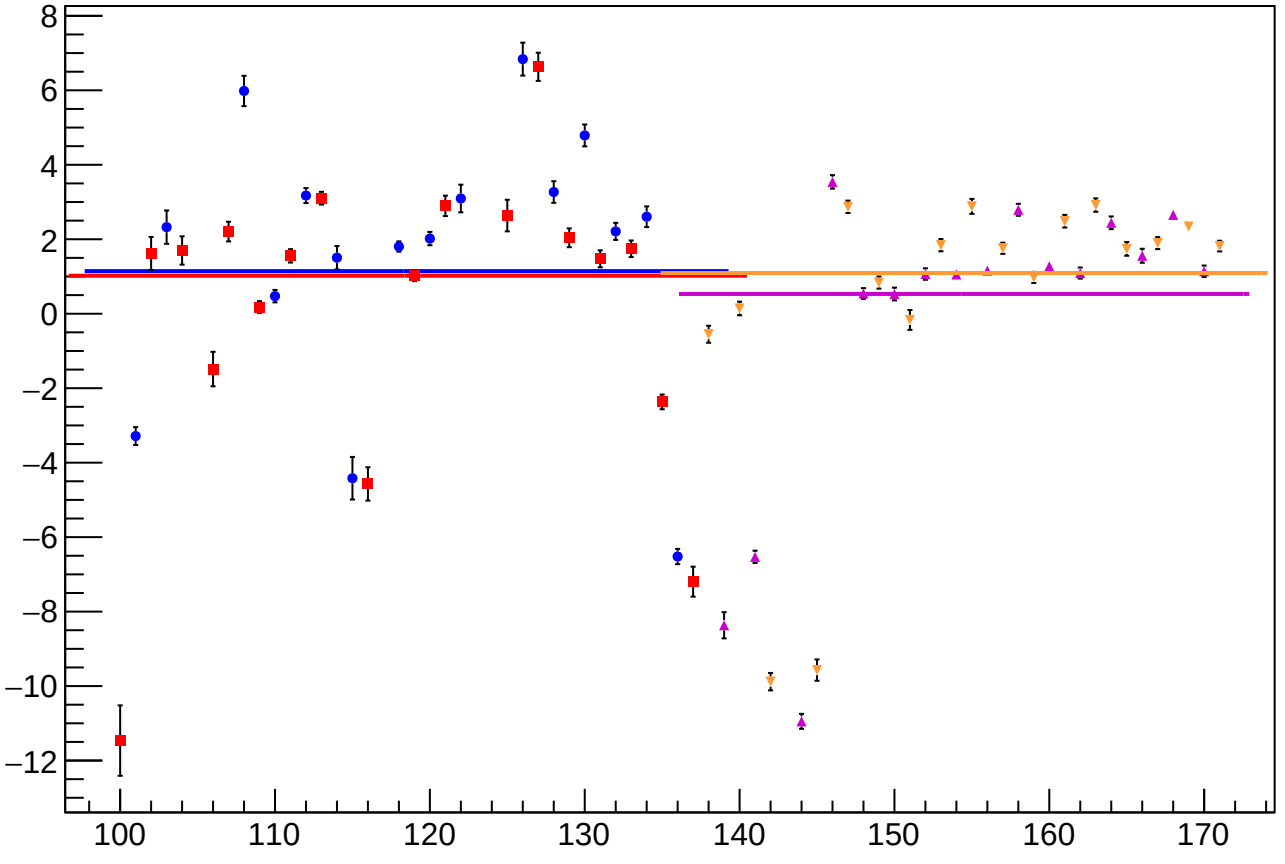
Left In: 4.332+/-0.052 χ^2/NDF:121802.0/15

+ sign 0.403+/-0.040 χ^2/NDF: 207040.0/32

All: 0.530+/-0.026 χ^2/NDF: 417460.0/66

- sign 0.625+/-0.034 χ^2/NDF: 210402.3/33

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.094+/-0.042 χ^2/NDF:4228.7/16

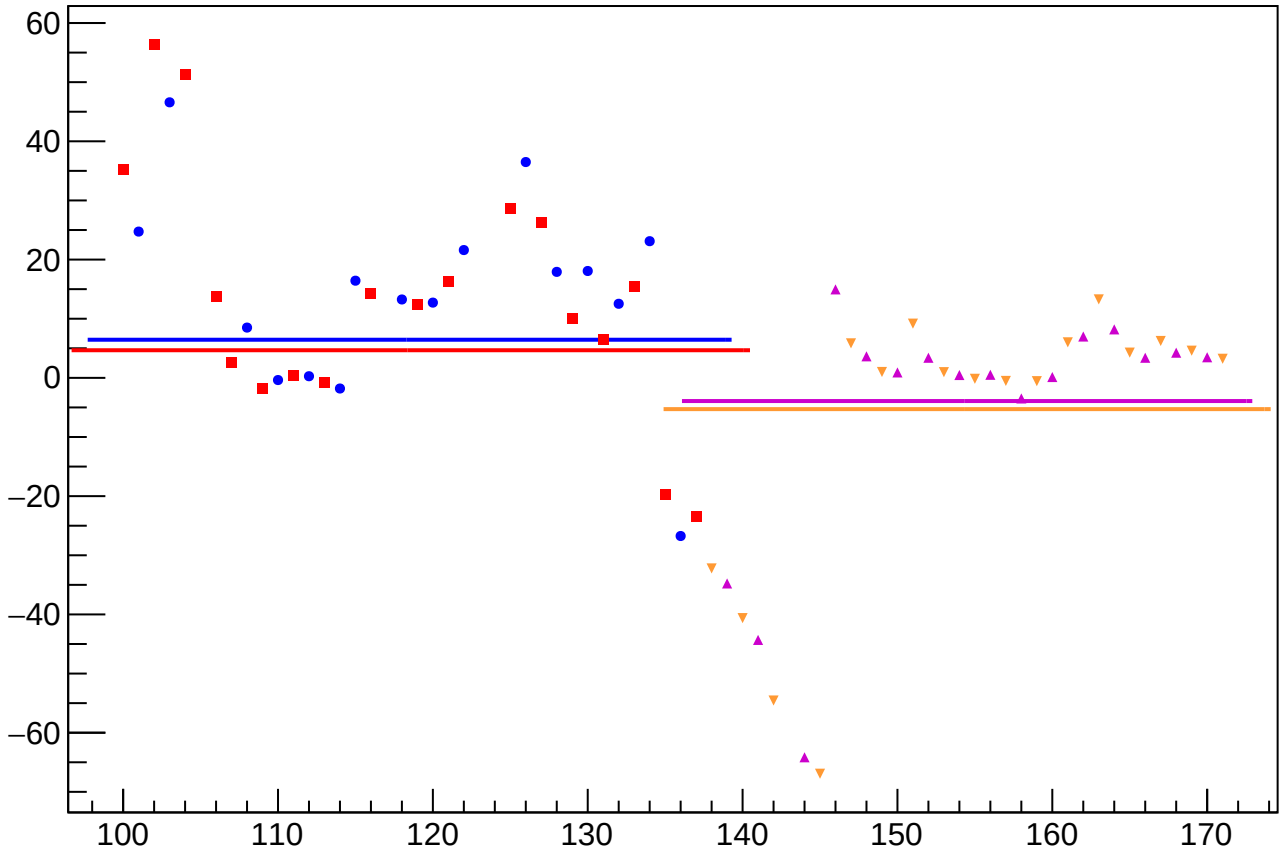
Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.531+/-0.037 χ^2/NDF:6739.7/15

+ sign 1.110+/-0.035 χ^2/NDF: 6824.4/32

All: 0.873+/-0.023 χ^2/NDF: 15292.0/66

- sign 0.679+/-0.031 χ^2/NDF: 8382.2/33



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -5.286+/-0.057 χ^2/NDF:112459.1/16

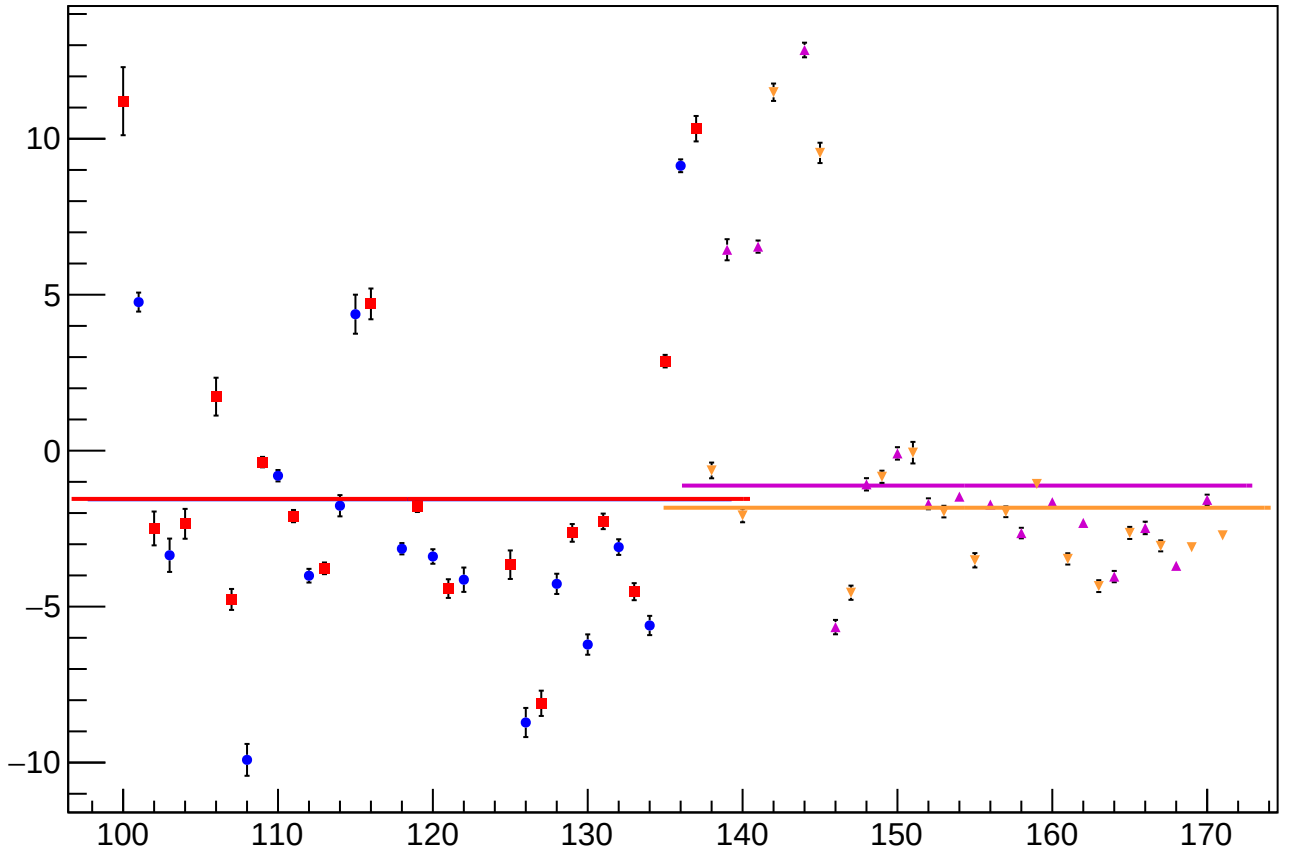
Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.920+/-0.050 χ^2/NDF:119384.4/15

+ sign -0.137+/-0.043 χ^2/NDF: 201625.3/32

All: -0.227+/-0.029 χ^2/NDF: 407697.6/66

- sign -0.298+/-0.038 χ^2/NDF: 206064.5/33



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.830+/-0.048 χ^2/NDF:4220.5/16

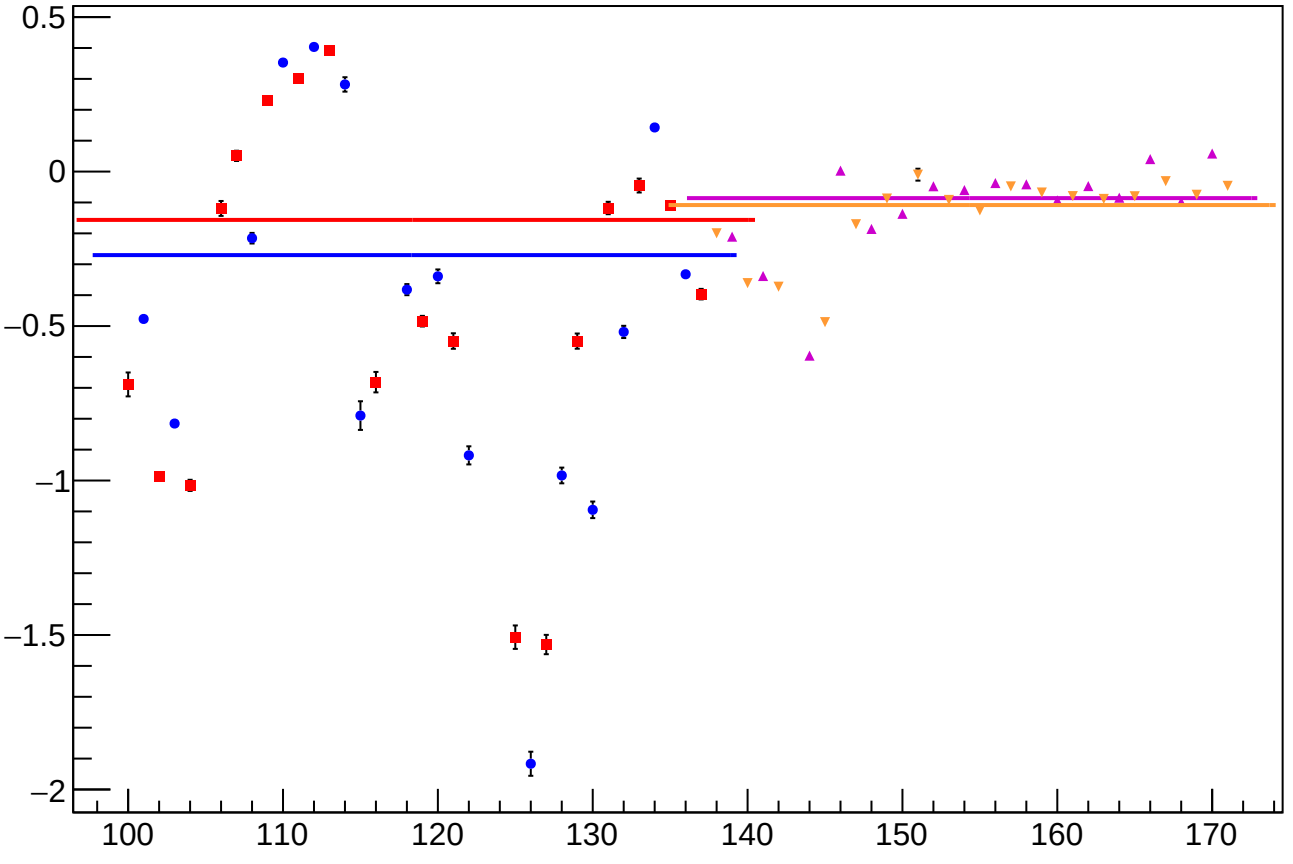
Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.120+/-0.042 χ^2/NDF:6753.1/15

+ sign -1.742+/-0.039 χ^2/NDF: 8774.0/32

All: -1.469+/-0.026 χ^2/NDF: 18114.3/66

- sign -1.249+/-0.035 χ^2/NDF: 9253.8/33



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.108+/-0.002 χ^2/NDF:2286.0/16

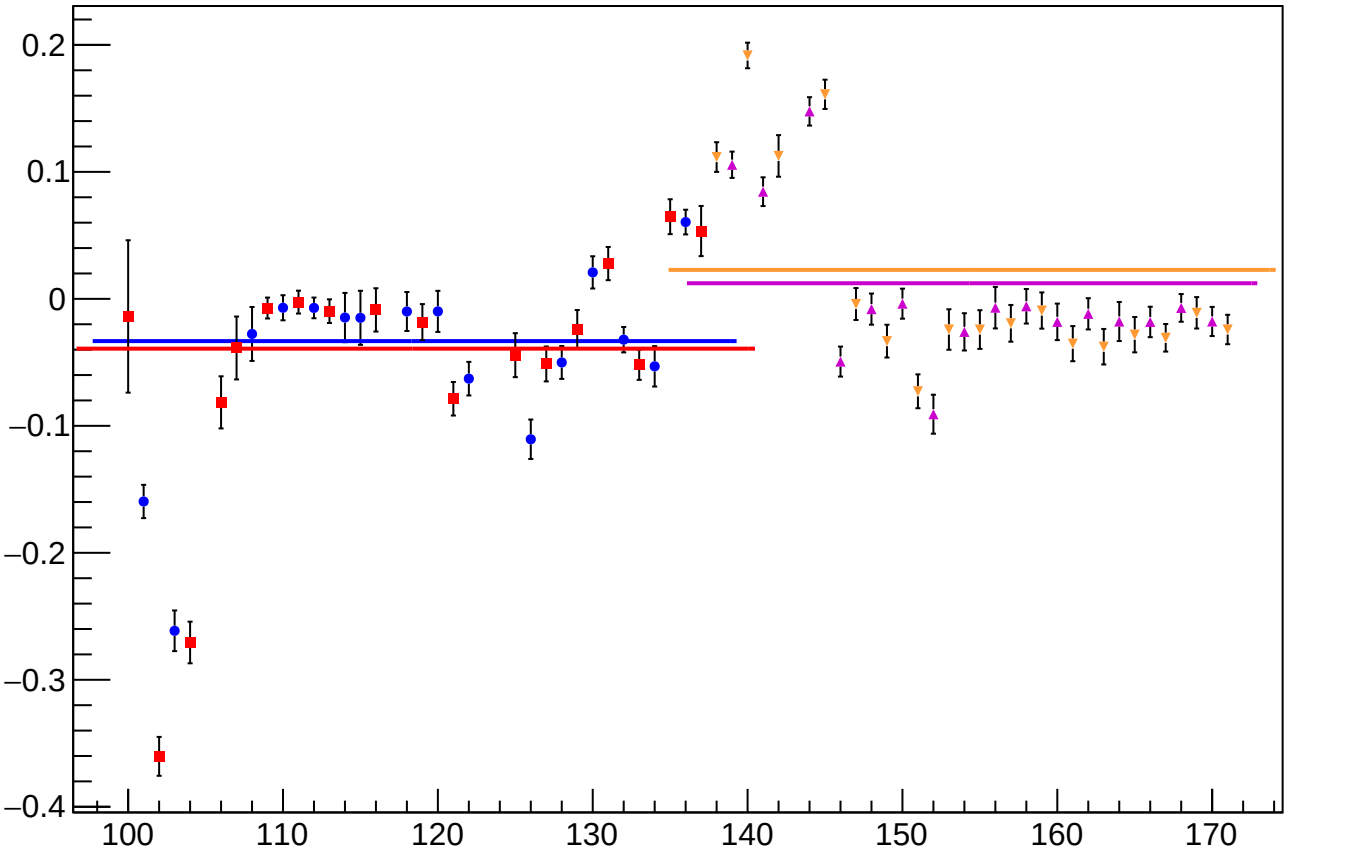
Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.086+/-0.002 χ^2/NDF:3646.2/15

+ sign -0.141+/-0.002 χ^2/NDF: 15605.6/32

All: -0.117+/-0.001 χ^2/NDF: 34856.2/66

- sign -0.099+/-0.002 χ^2/NDF: 18958.8/33



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.023+/-0.003 χ^2/NDF:717.7/16

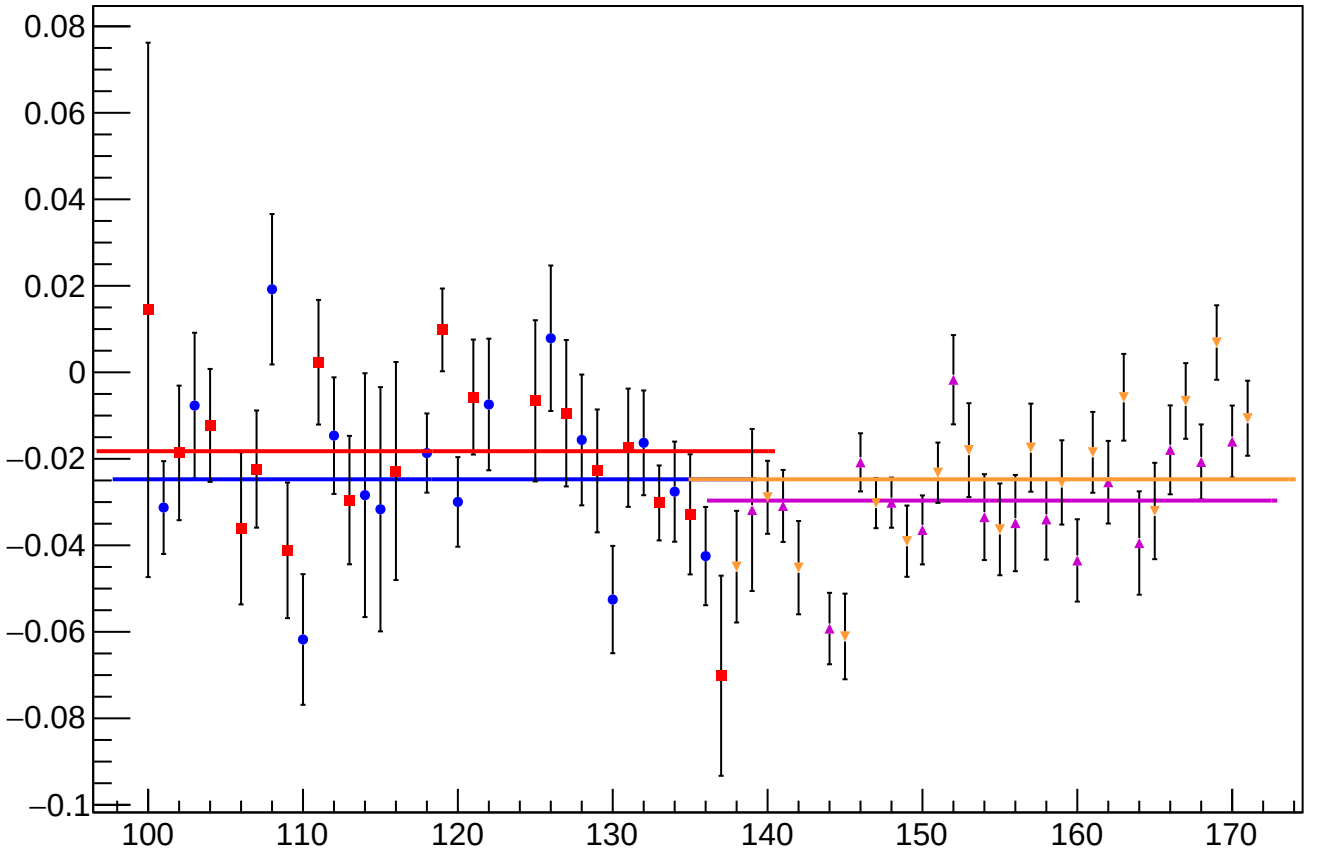
Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.012+/-0.003 χ^2/NDF:384.2/15

+ sign -0.004+/-0.002 χ^2/NDF: 1337.7/32

All: -0.009+/-0.002 χ^2/NDF: 2670.4/66

- sign -0.013+/-0.002 χ^2/NDF: 1325.4/33



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.025+/-0.002 χ^2/NDF:50.7/16

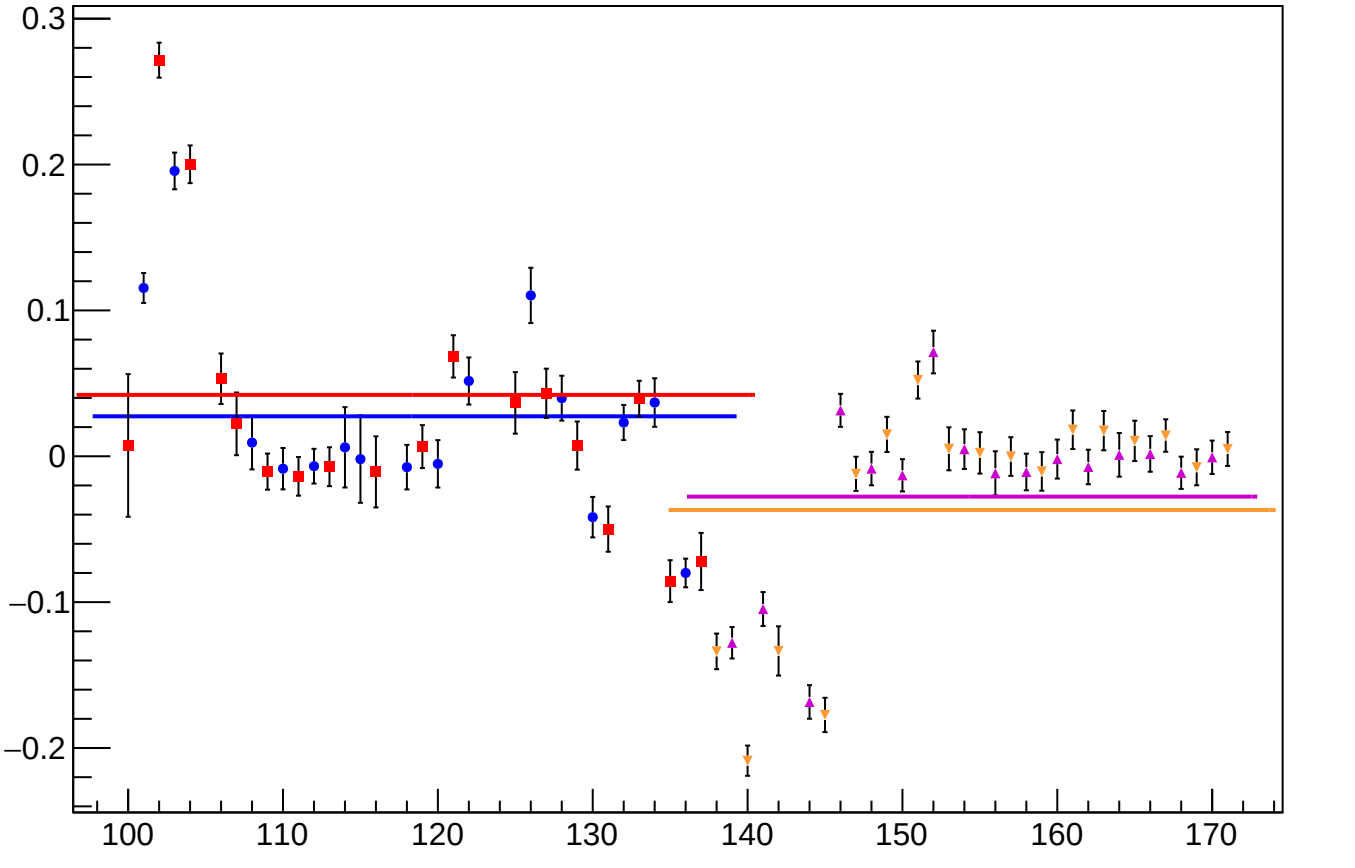
Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.030+/-0.002 χ^2/NDF:31.3/15

+ sign -0.025+/-0.002 χ^2/NDF: 79.2/32

All: -0.025+/-0.001 χ^2/NDF: 143.5/66

- sign -0.026+/-0.002 χ^2/NDF: 64.0/33



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.037+/-0.003 χ^2/NDF:698.6/16

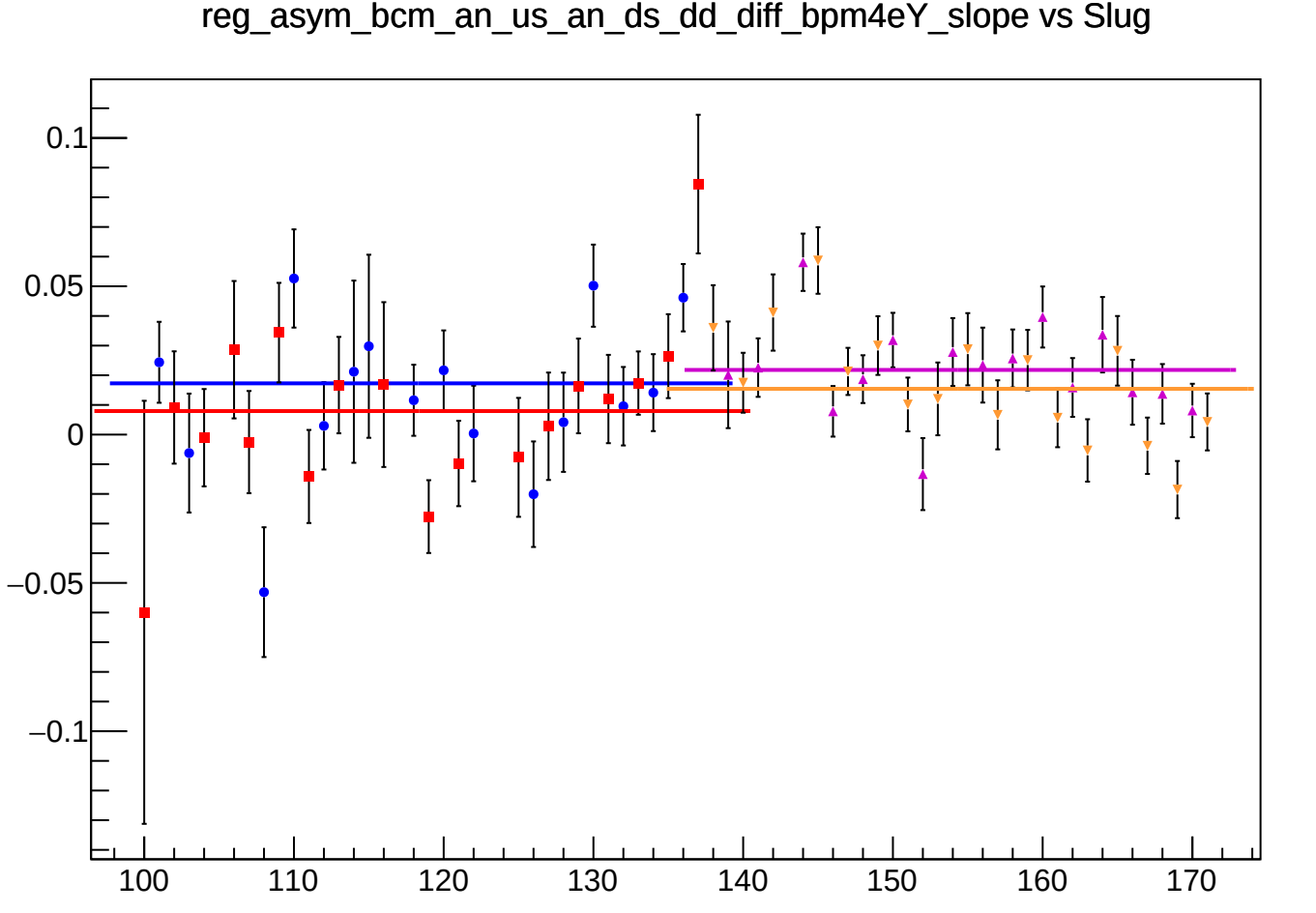
Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.028+/-0.003 χ^2/NDF:390.2/15

+ sign -0.010+/-0.002 χ^2/NDF: 1330.9/32

All: -0.004+/-0.002 χ^2/NDF: 2680.8/66

- sign 0.001+/-0.002 χ^2/NDF: 1339.3/33



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.003 χ^2/NDF:50.7/16

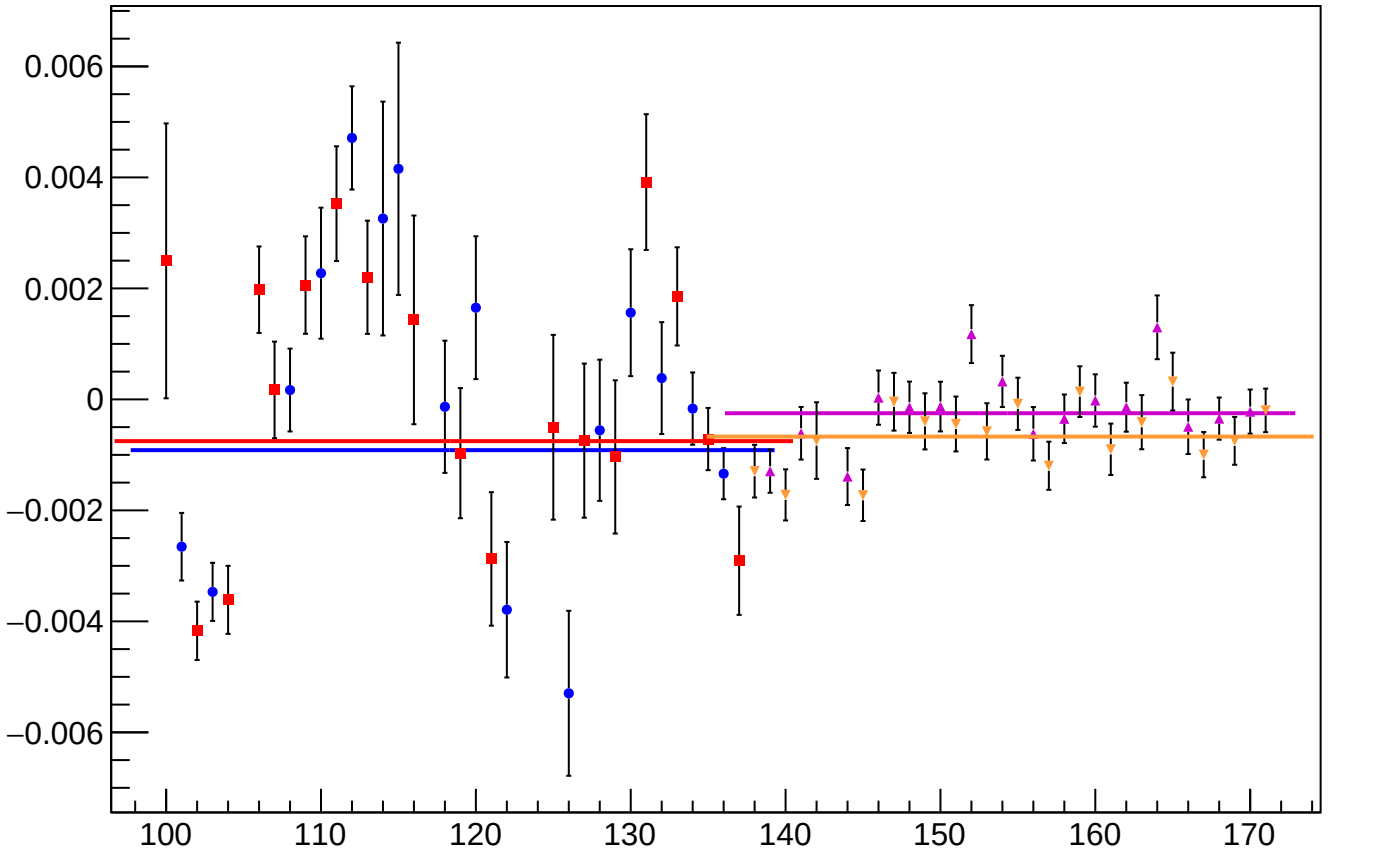
Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.003 χ^2/NDF:34.6/15

+ sign 0.016+/-0.002 χ^2/NDF: 87.5/32

All: 0.017+/-0.002 χ^2/NDF: 162.6/66

- sign 0.018+/-0.002 χ^2/NDF: 74.8/33



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:26.6/16

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

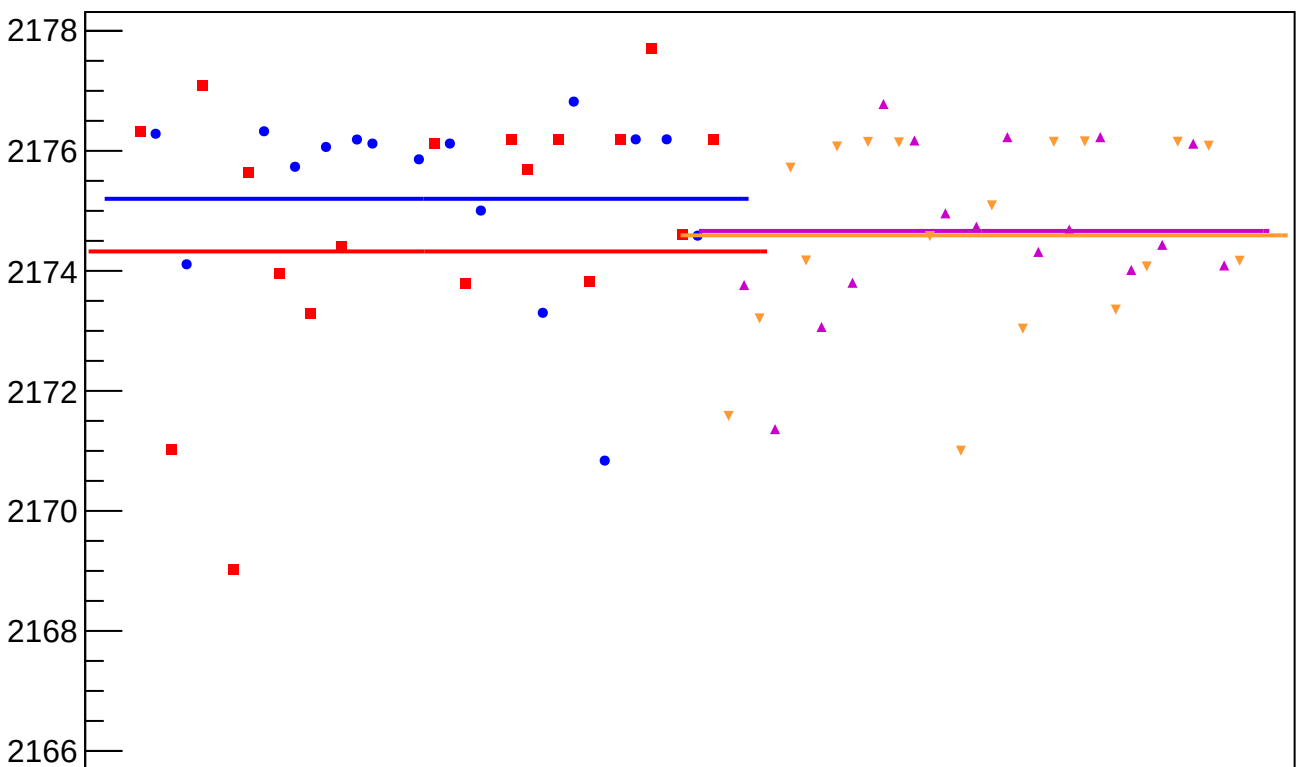
Left In: -0.000+/-0.000 χ^2/NDF:30.7/15

+ sign -0.001+/-0.000 χ^2/NDF: 141.7/32

All: -0.001+/-0.000 χ^2/NDF: 330.9/66

- sign -0.000+/-0.000 χ^2/NDF: 182.6/33

HALLA_p_mean vs Slug



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.592+/-0.000 χ^2/NDF:393307737843337141320188183760076 8.0/17

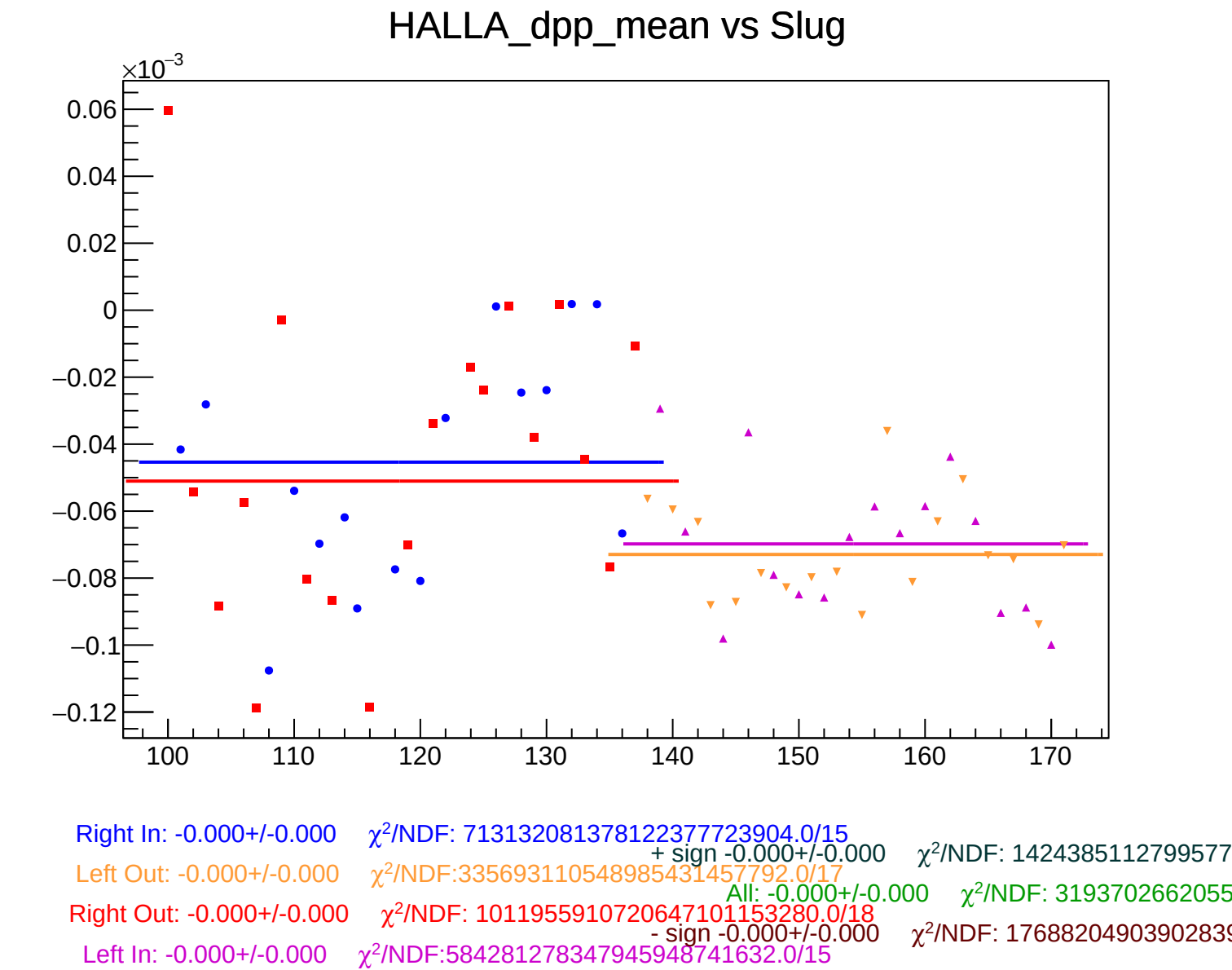
Right Out: 2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: 2174.666+/-0.000 χ^2/NDF:267069856259117246166580733988044 8.0/15

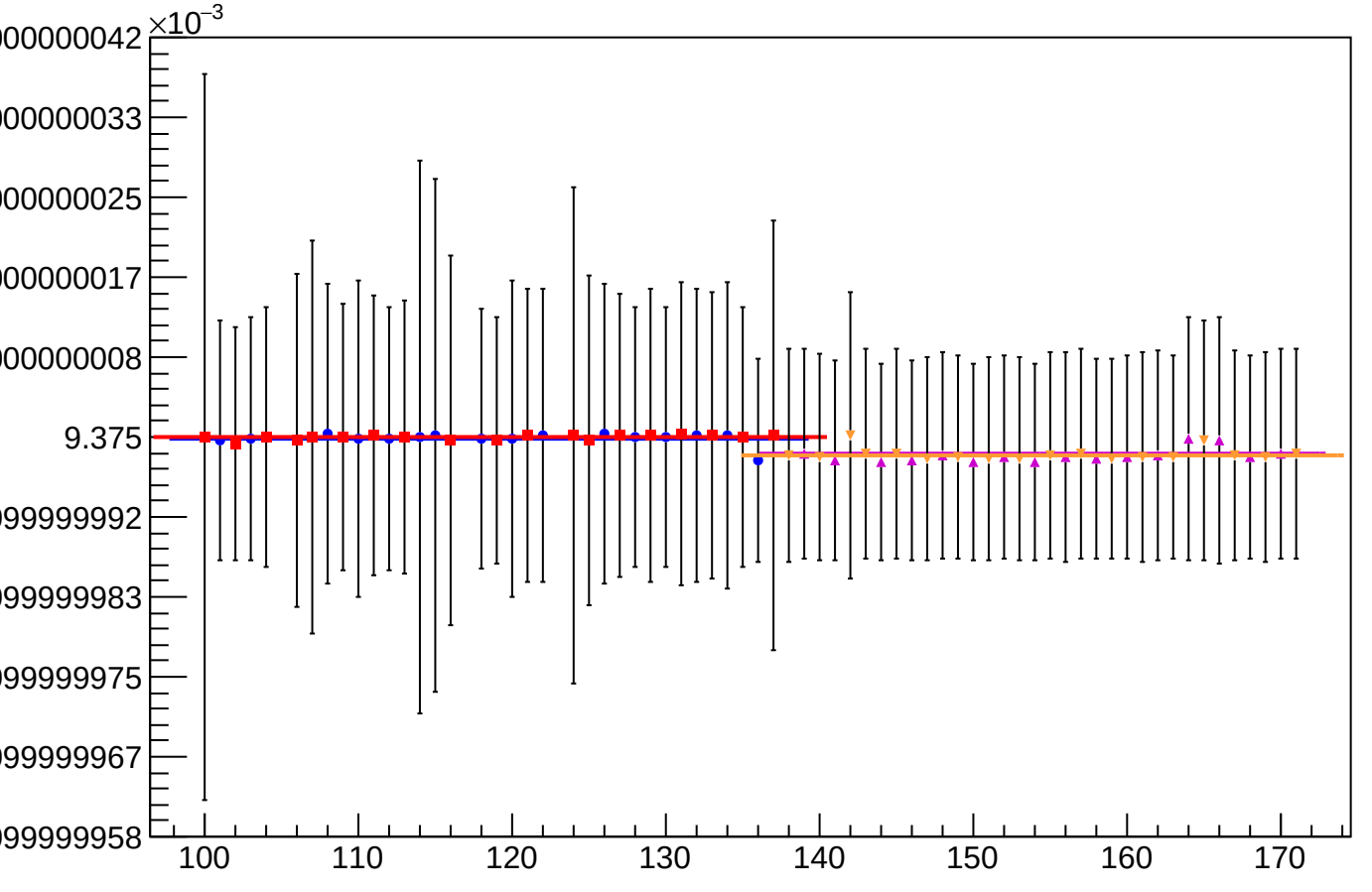
+ sign 2174.795+/-0.000 χ^2/NDF: 5882207034306

All: 2174.672+/-0.000 χ^2/NDF: 1422112669

- sign 2174.544+/-0.000 χ^2/NDF: 8270276136564


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
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:335693110548985431457792.0/17
Right Out: -0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: -0.000+/-0.000 χ²/NDF:58428127834794594874163 2.0/15
+ sign -0.000+/-0.000 χ²/NDF: 1424385112799577
All: -0.000+/-0.000 χ²/NDF: 3193702662055
- sign -0.000+/-0.000 χ²/NDF: 1768820490390283

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:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

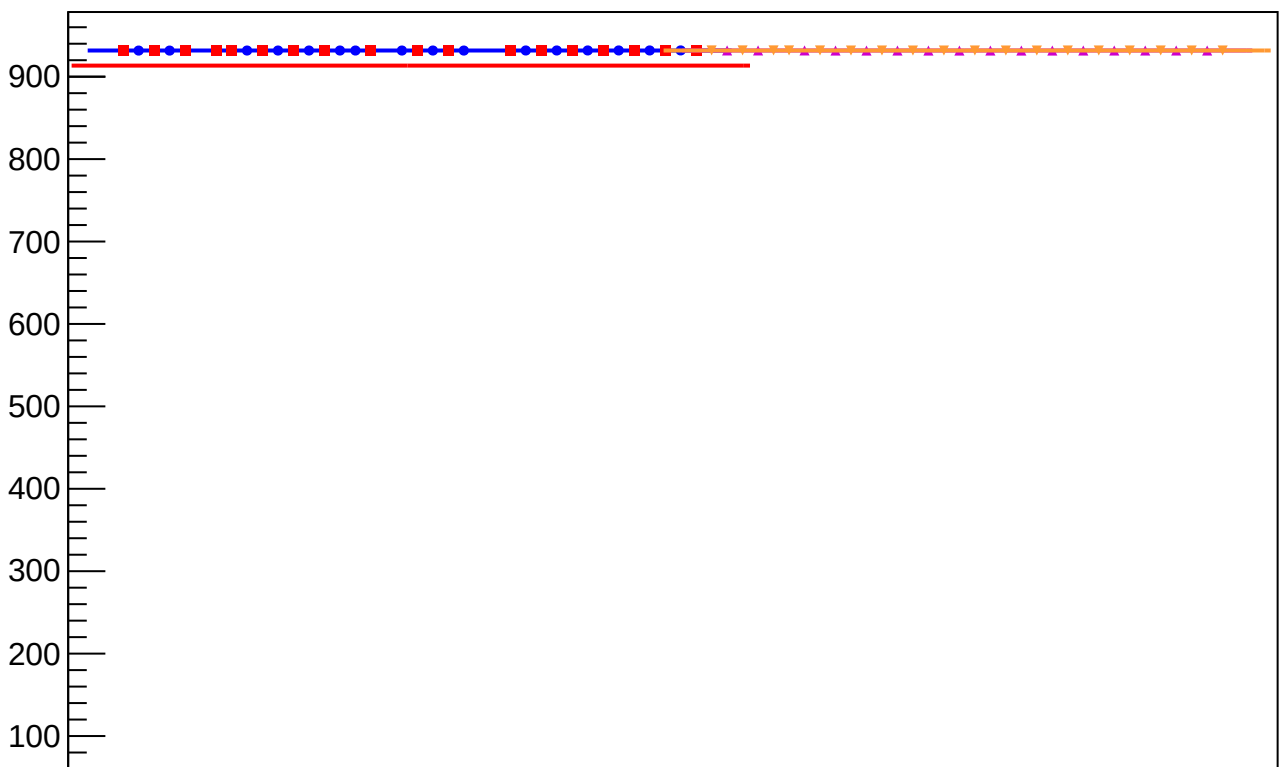
Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34

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: 703973892573198

Left Out: 931.784+/-0.000 χ^2/NDF:4169217446620054800626400362496.0/17

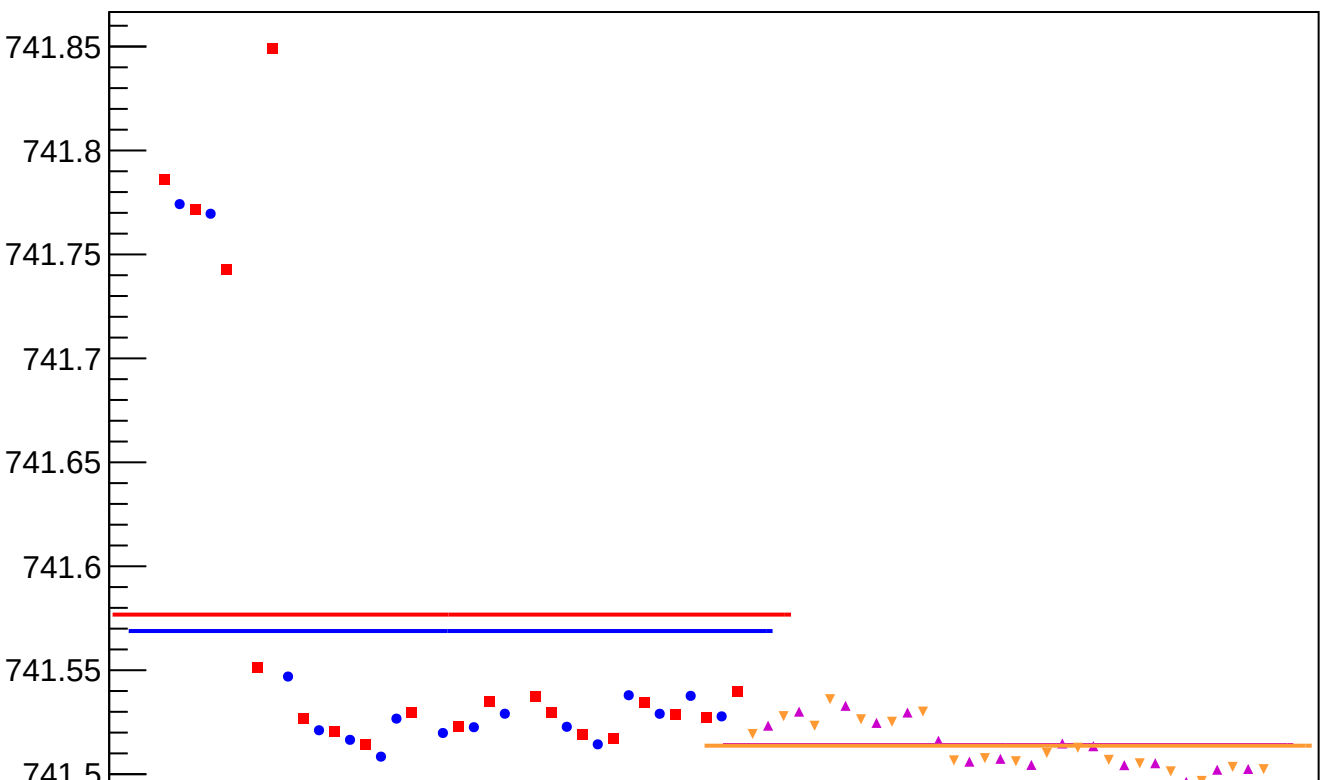
All: 928.571+/-0.000 χ^2/NDF: 12977418884

Right Out: 913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

- sign 925.227+/-0.000 χ^2/NDF: 129306057227461

Left In: 931.773+/-0.000 χ^2/NDF:3668555033248633859227714060288.0/15

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.514+/-0.000 χ^2/NDF:192403044839451260951057137664.0/17

Right Out: 741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

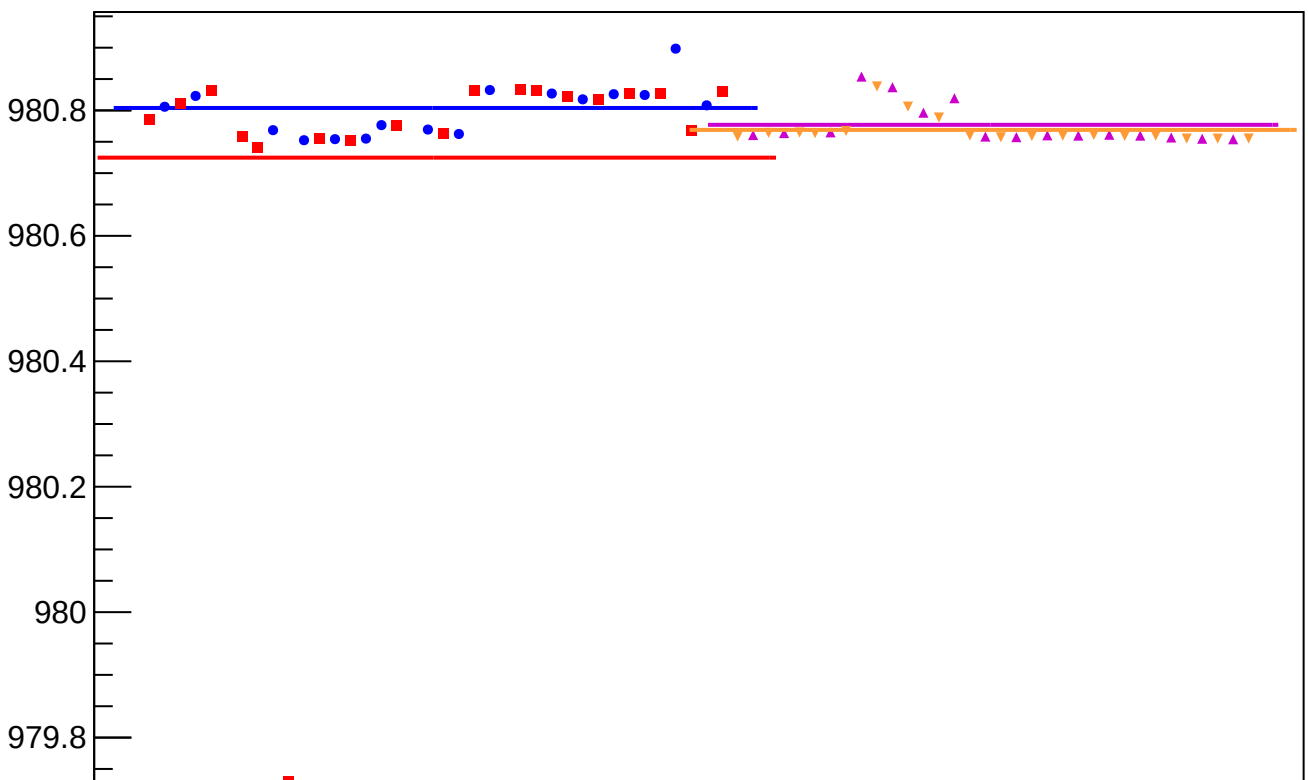
Left In: 741.514+/-0.000 χ^2/NDF:170229920102730669801426911232.0/15

+ sign 741.532+/-0.000 χ^2/NDF: 812914997610010

All: 741.534+/-0.000 χ^2/NDF: 1794199212 35

- sign 741.536+/-0.000 χ^2/NDF: 979188504018010

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.769+/-0.000 χ^2/NDF:69595550908248029330477049446 4.0/17

Right Out: 980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

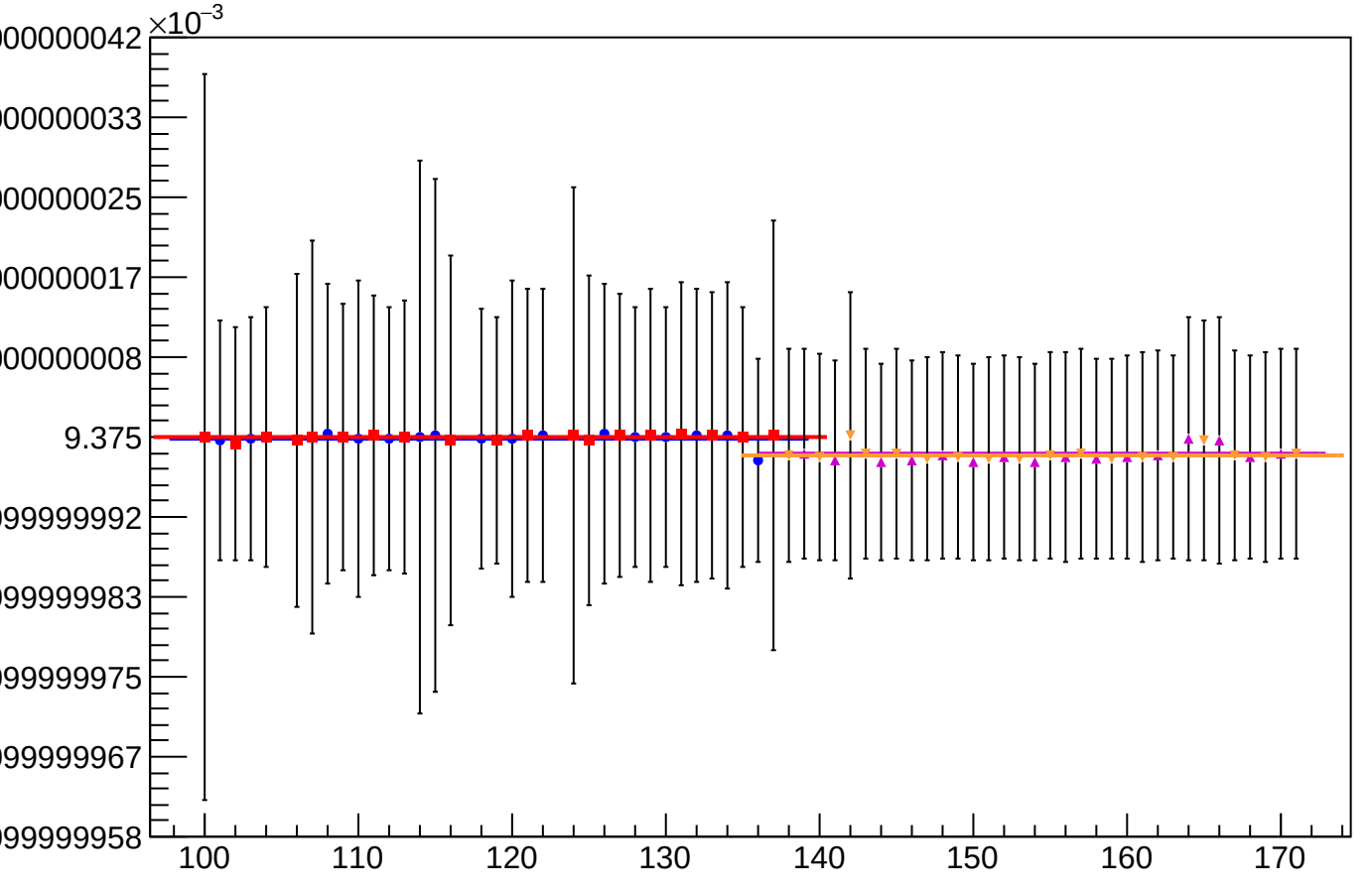
Left In: 980.777+/-0.000 χ^2/NDF:136543986683892096007412278886 4.0/15

+ sign 980.781+/-0.000 χ^2/NDF: 223410847613680

All: 980.770+/-0.000 χ^2/NDF: 615223706518

- sign 980.758+/-0.000 χ^2/NDF: 587488582724227

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:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

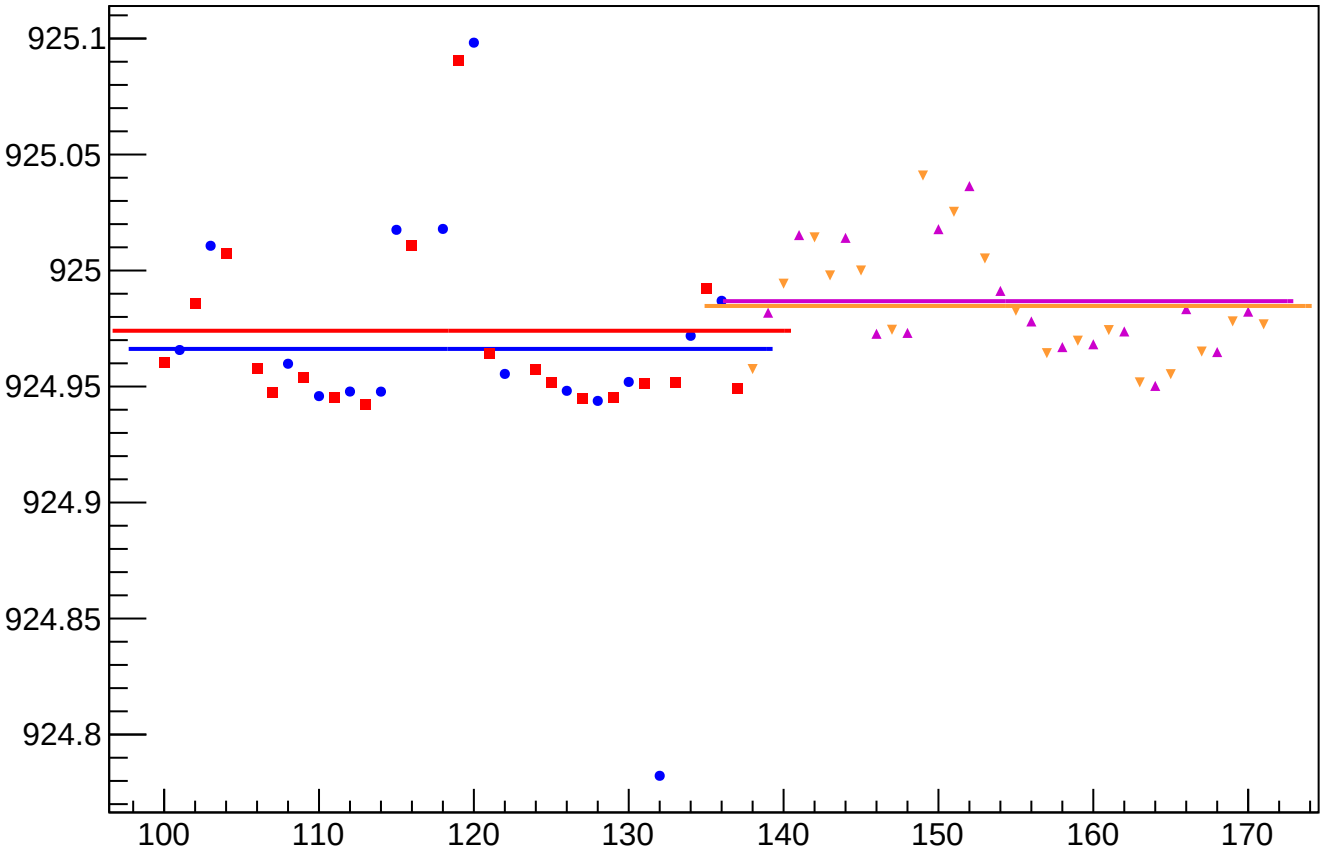
Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

+ sign 924.979+/-0.000 χ^2/NDF: 358566978698539

Left Out: 924.985+/-0.000 χ^2/NDF:871852565448359559894008856576.0/17

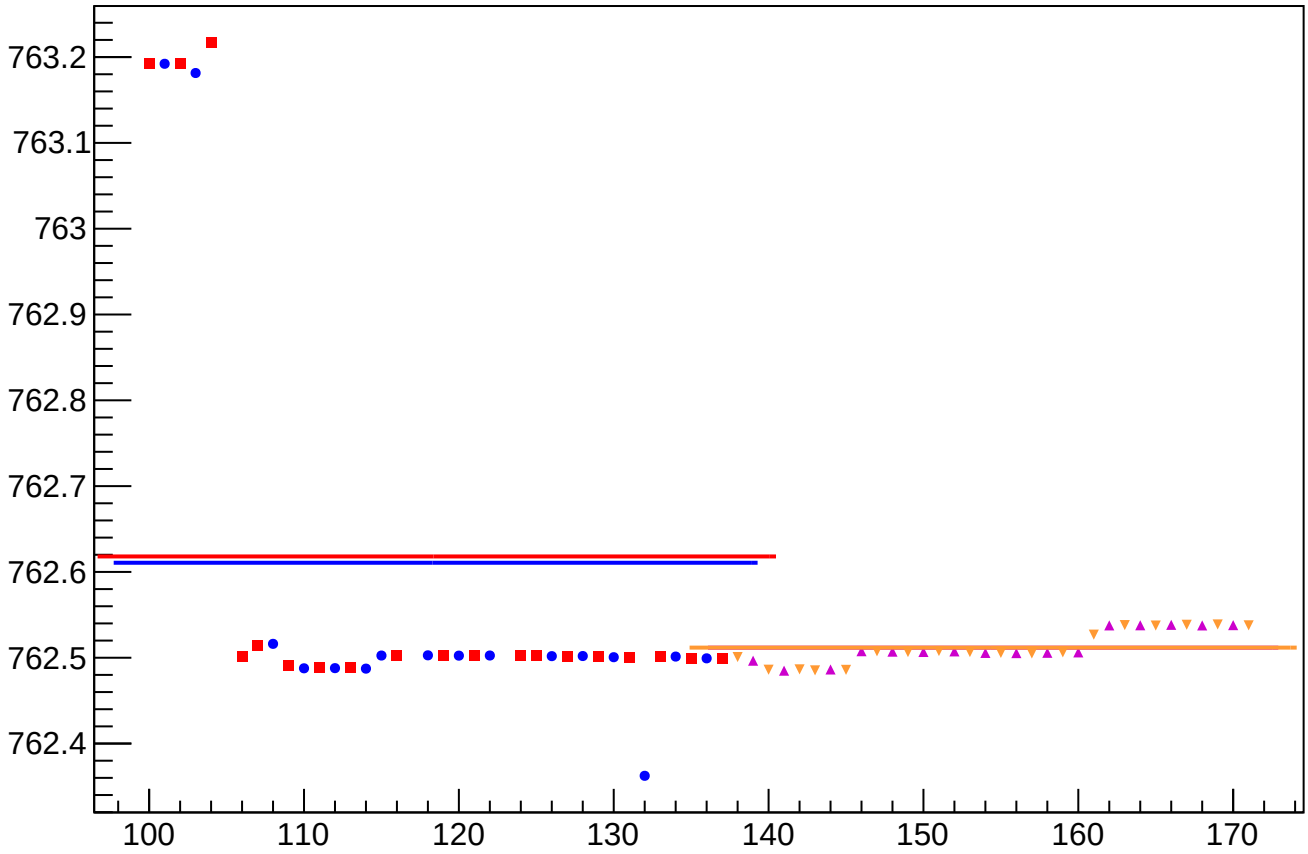
All: 924.980+/-0.000 χ^2/NDF: 5633392937 4

Right Out: 924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

- sign 924.982+/-0.000 χ^2/NDF: 203298484036900

Left In: 924.987+/-0.000 χ^2/NDF:711173015479789767672853430272.0/15

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.512+/-0.000 χ^2/NDF:530223826580370314901554462720.0/17

Right Out: 762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

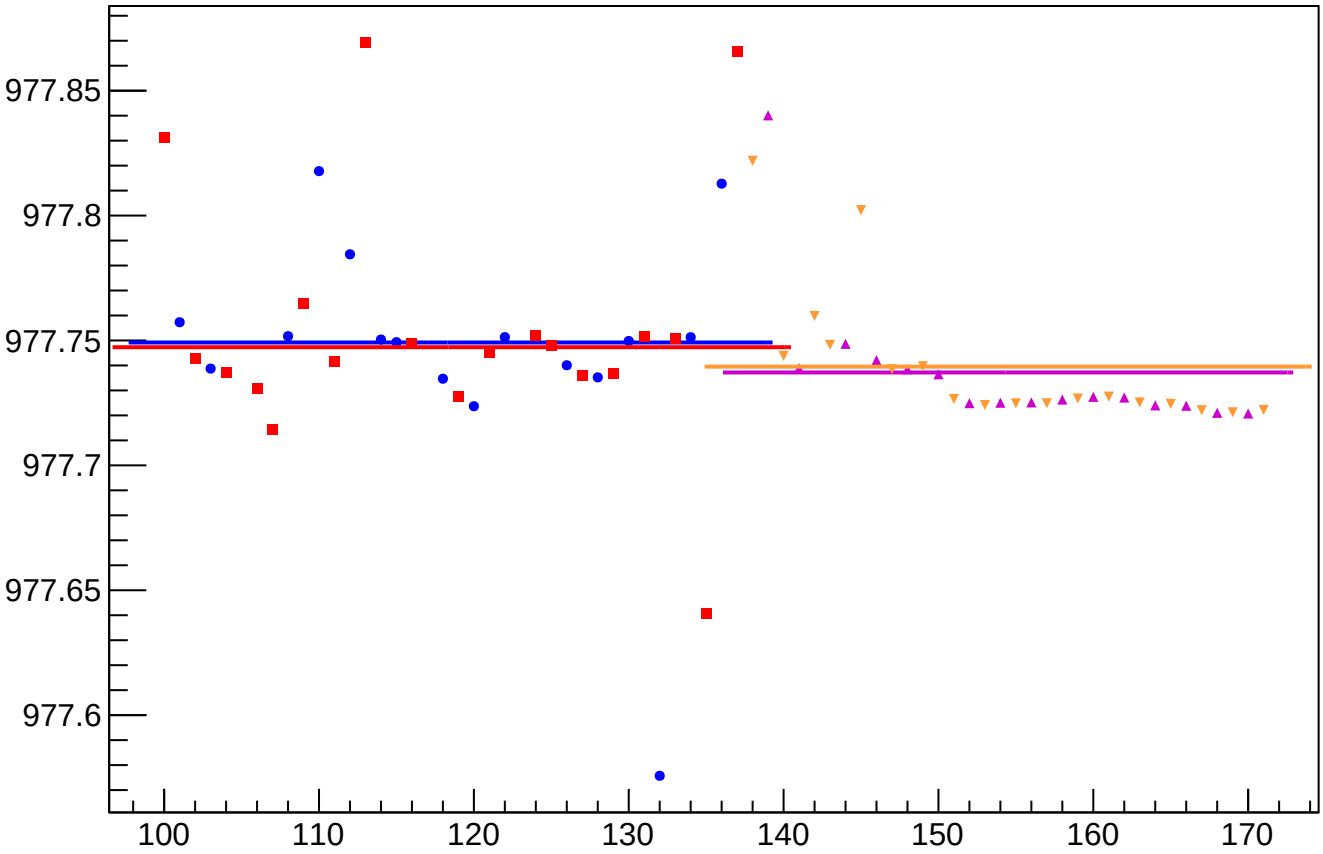
Left In: 762.512+/-0.000 χ^2/NDF:428297856834921926844515090432.0/15

+ sign 762.545+/-0.000 χ^2/NDF: 575268880955287

All: 762.547+/-0.000 χ^2/NDF: 116661974193

- sign 762.550+/-0.000 χ^2/NDF: 591080146676704

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.740+/-0.000 χ^2/NDF:1117032498519404171026130534400.0/17

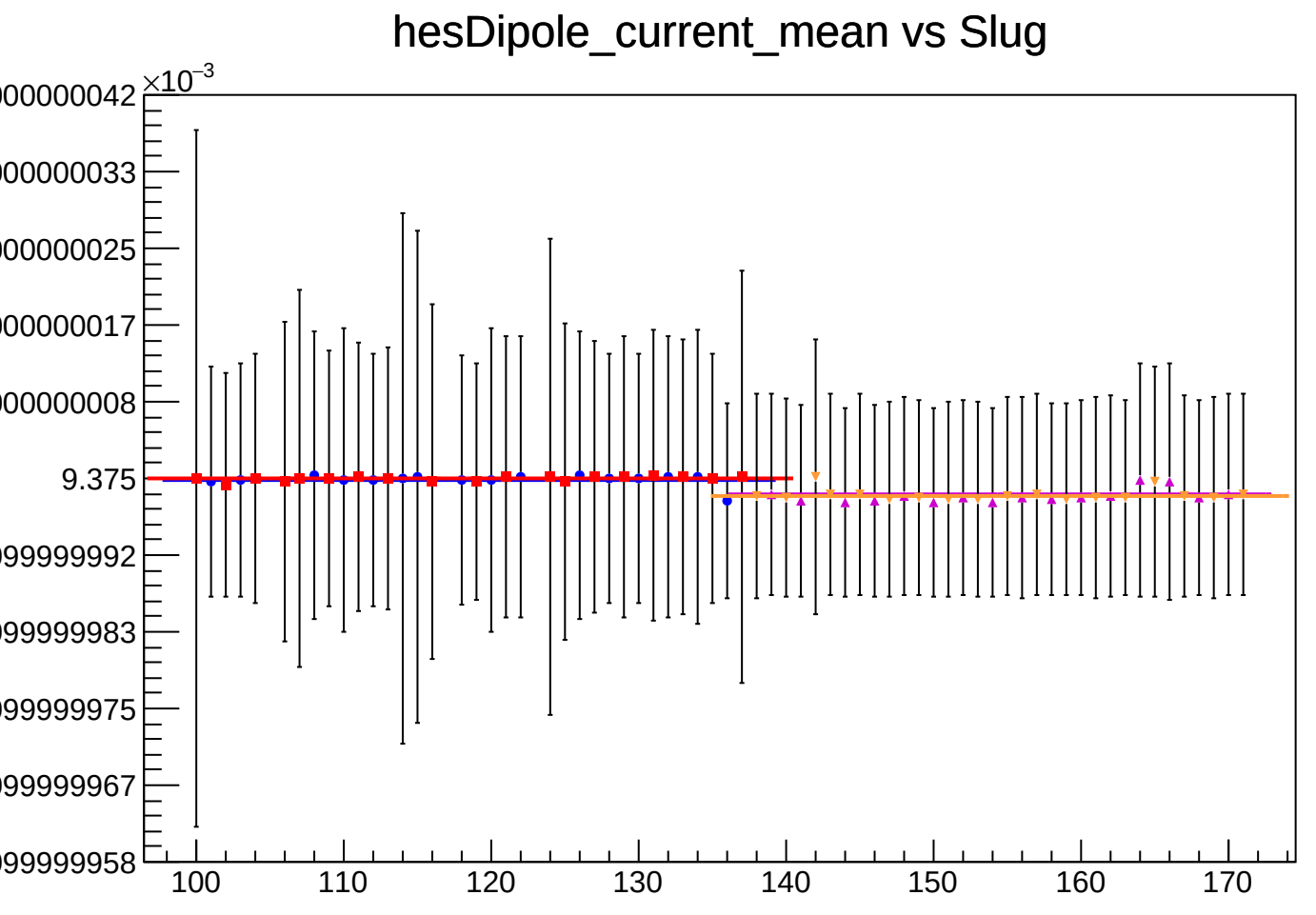
Right Out: 977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: 977.737+/-0.000 χ^2/NDF:10401905348557123465836138332160.0/15

+ sign 977.743+/-0.000 χ^2/NDF: 312281026739018

All: 977.742+/-0.000 χ^2/NDF: 599958596680

- sign 977.741+/-0.000 χ^2/NDF: 287265501584786



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

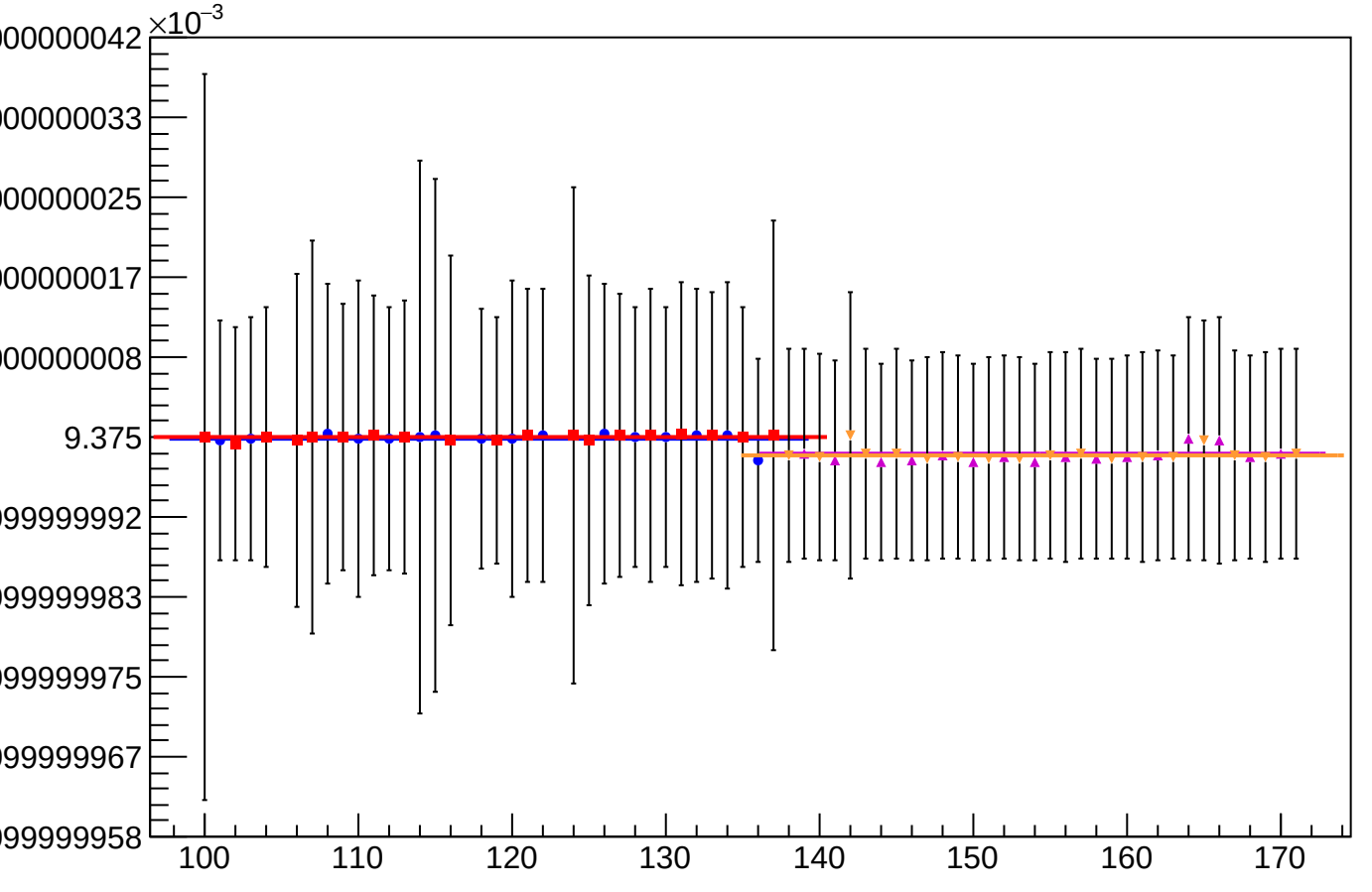
Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34

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:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

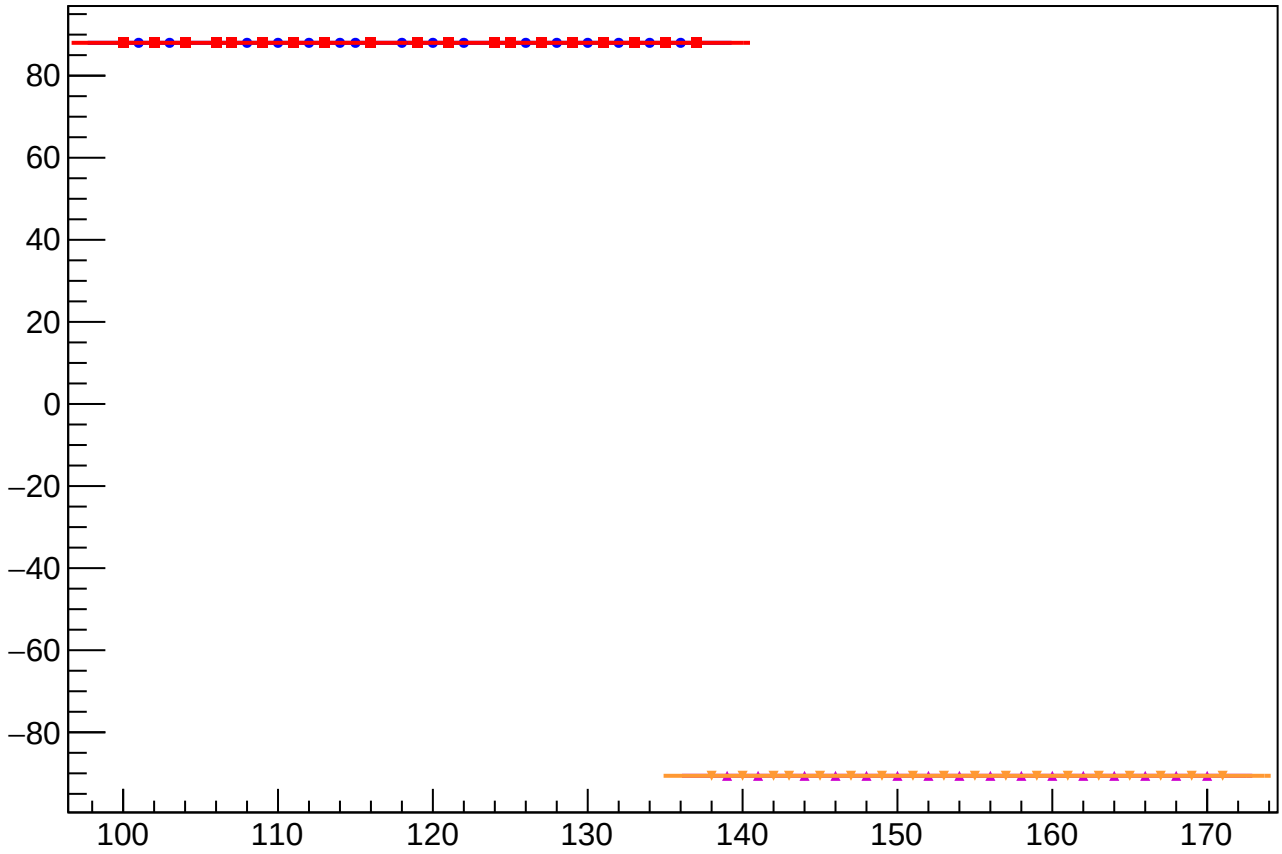
Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34

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:5409187.7/17

Right Out: 88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

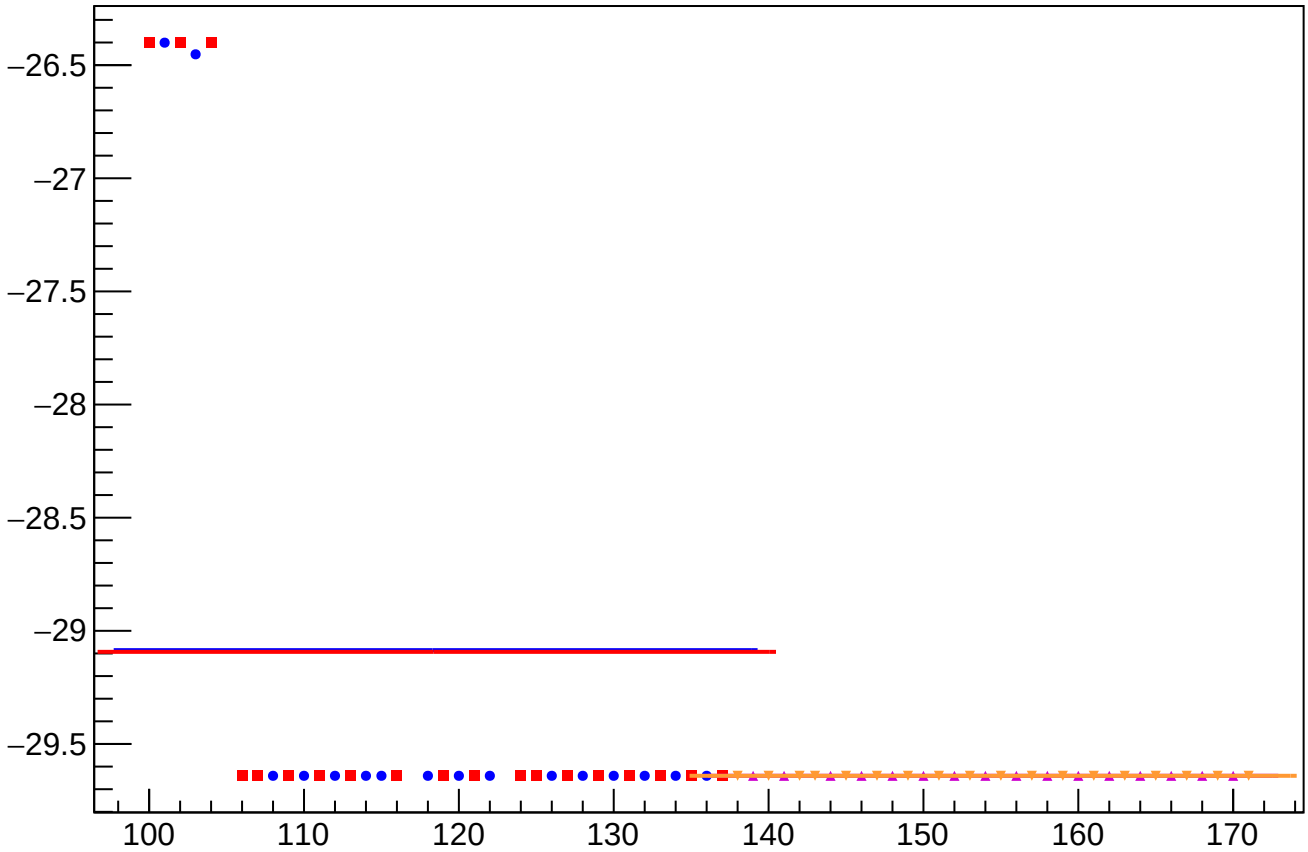
Left In: -90.599+/-0.000 χ^2/NDF:5187852.2/15

+ sign -31.173+/-0.000 χ^2/NDF: 157717436474898

All: -29.032+/-0.000 χ^2/NDF: 314373810553

- sign -26.801+/-0.000 χ^2/NDF: 1564479534968165

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:213295.4/17

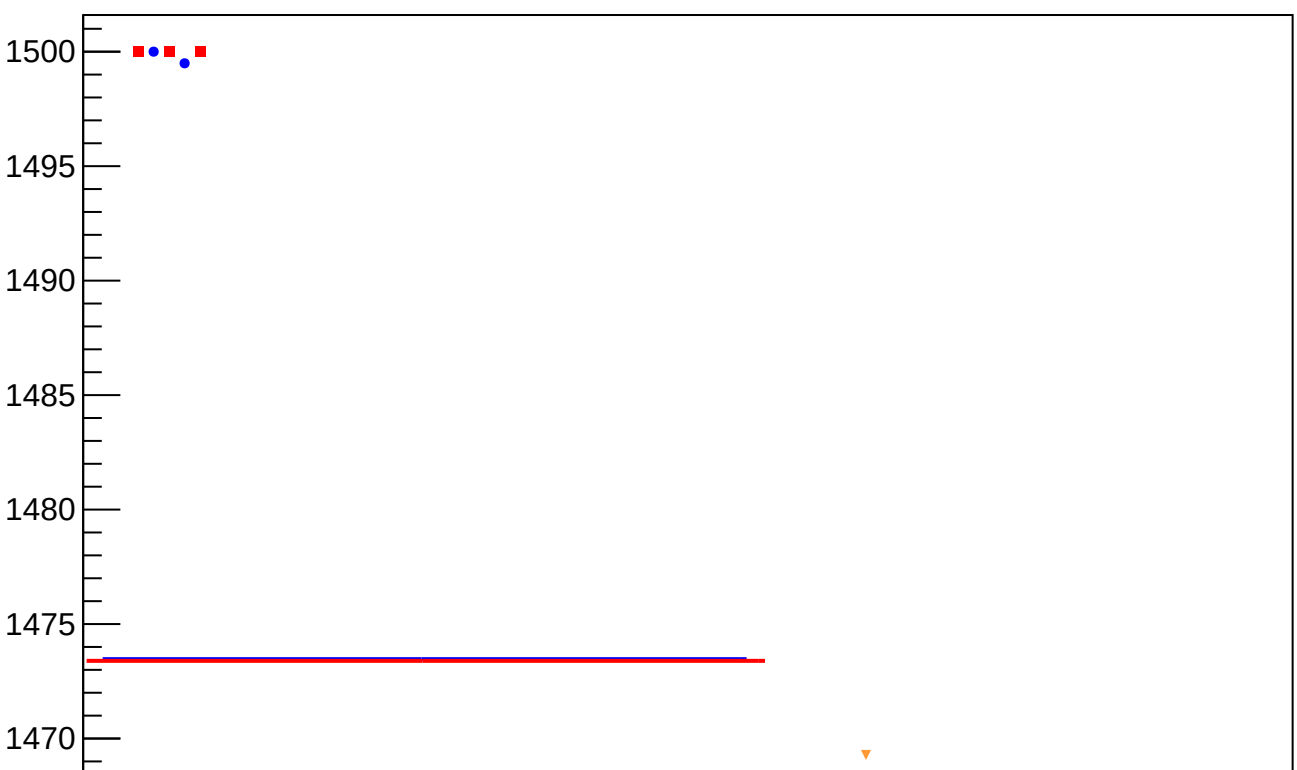
Right Out: -29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: -29.641+/-0.000 χ^2/NDF:139786.2/15

+ sign -29.456+/-0.000 χ^2/NDF: 124683558447622

All: -29.451+/-0.000 χ^2/NDF: 251937167794

- sign -29.445+/-0.000 χ^2/NDF: 127240642921347



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.069+/-0.000 χ^2/NDF:13766028095867447530265768257126 4.0/17

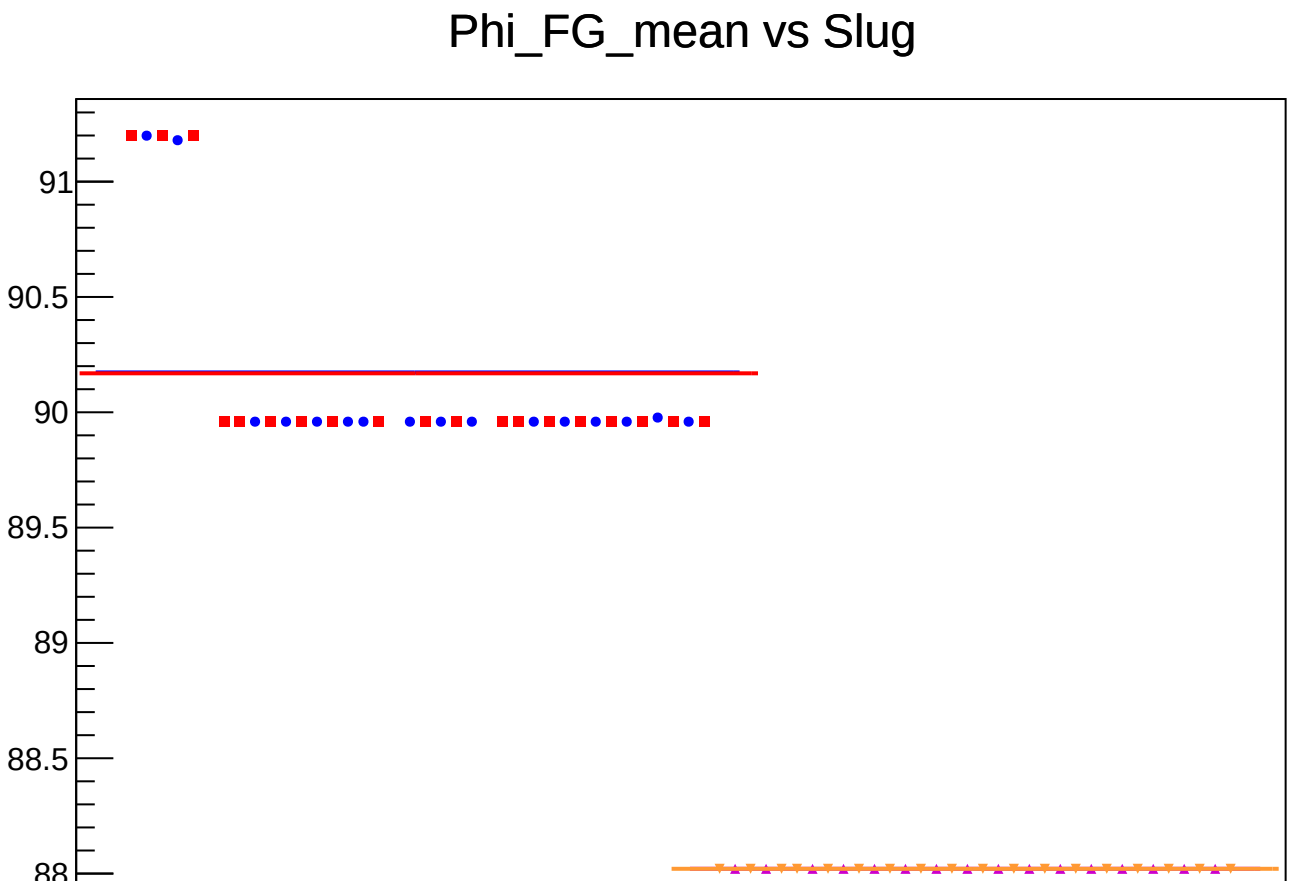
Right Out: 1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: 1467.991+/-0.000 χ^2/NDF:13138412232662398089119662080 0.0/15

+ sign 1469.865+/-0.000 χ^2/NDF: 12144206224224

All: 1469.892+/-0.000 χ^2/NDF: 2456659310

- sign 1469.921+/-0.000 χ^2/NDF: 12422047991547



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3850550.0/17

Right Out: 90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

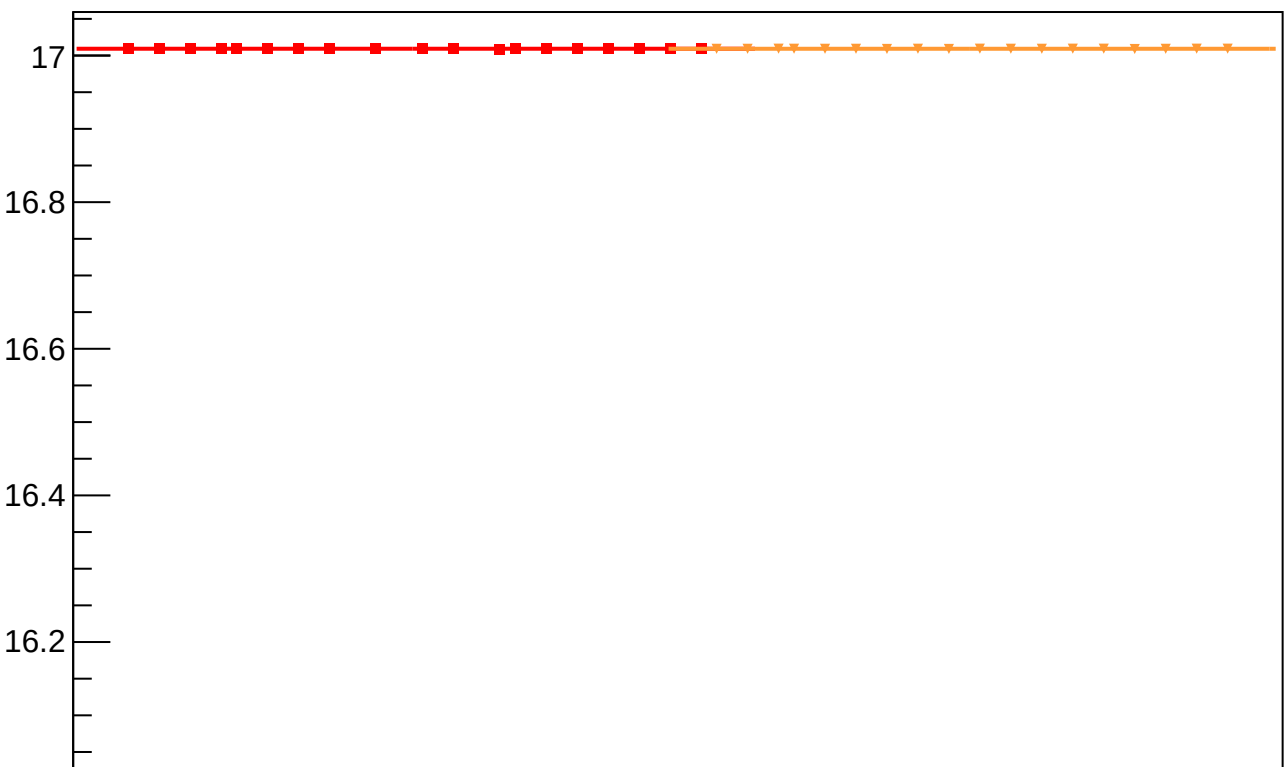
Left In: 88.021+/-0.000 χ^2/NDF:5103033.9/15

+ sign 88.737+/-0.000 χ^2/NDF: 2449945315063257

All: 88.762+/-0.000 χ^2/NDF: 488102095197

- sign 88.788+/-0.000 χ^2/NDF: 2428205324759898

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:22323162862977472354320384.0/17

Right Out: 17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

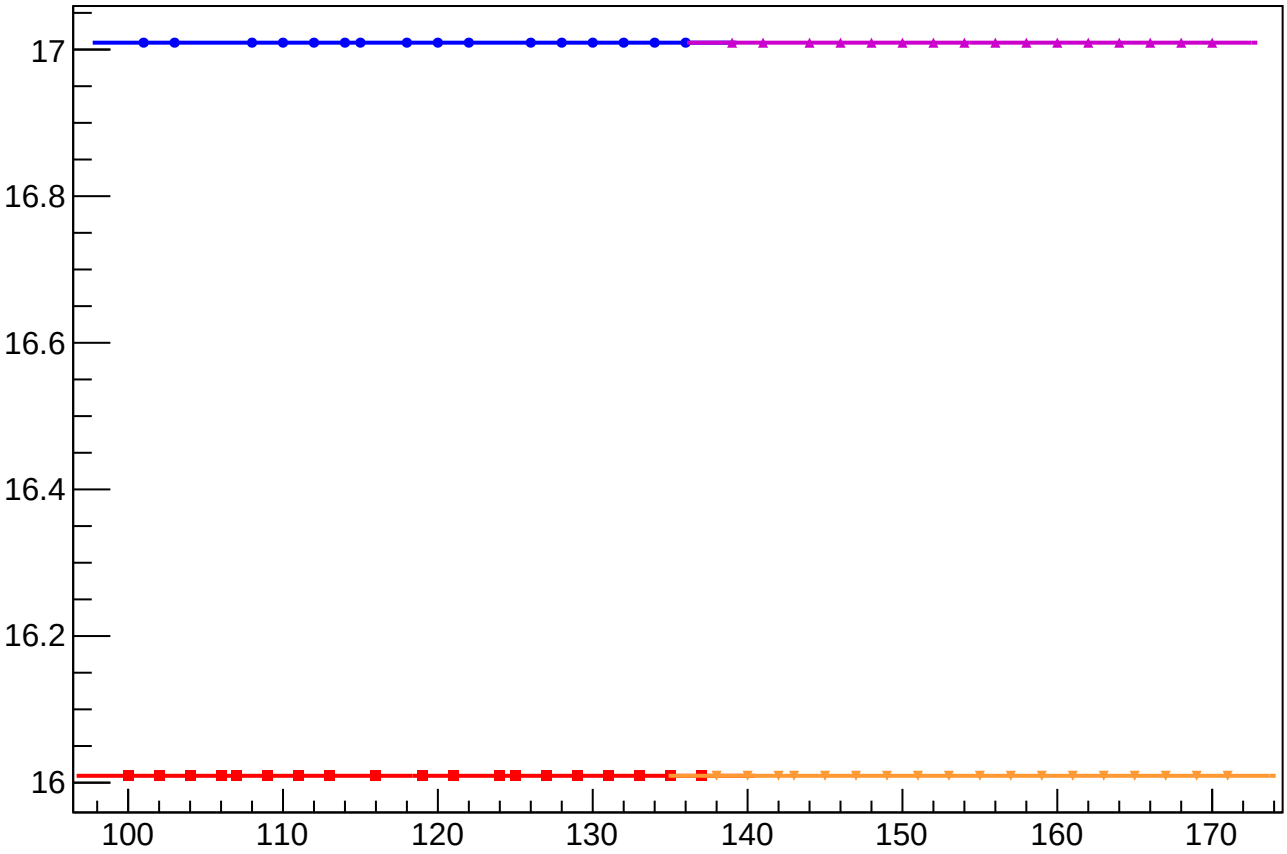
Left In: 16.009+/-0.000 χ^2/NDF:12253095515587944959180 8.0/15

+ sign 16.671+/-0.000 χ^2/NDF: 4643836024303285

All: 16.521+/-0.000 χ^2/NDF: 100924433873

- sign 16.362+/-0.000 χ^2/NDF: 4485197789046272

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:160372.3/17

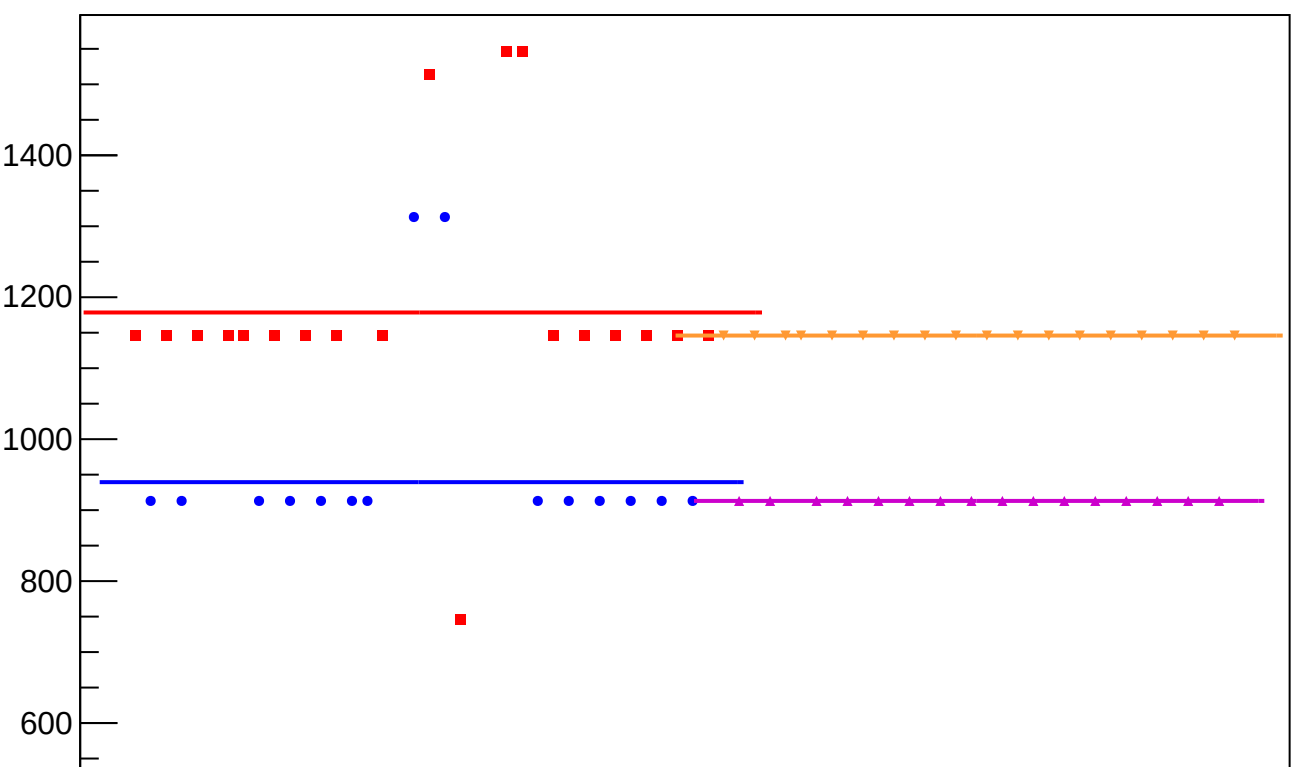
Right Out: 16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: 17.009+/-0.000 χ^2/NDF:109034345022865199333376.0/15

+ sign 16.333+/-0.000 χ^2/NDF: 4781314102564099

All: 16.489+/-0.000 χ^2/NDF: 1071923172407

- sign 16.650+/-0.000 χ^2/NDF: 4861029163835006



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

+ sign 1077.280+/-0.000 χ^2/NDF: 42180419519826

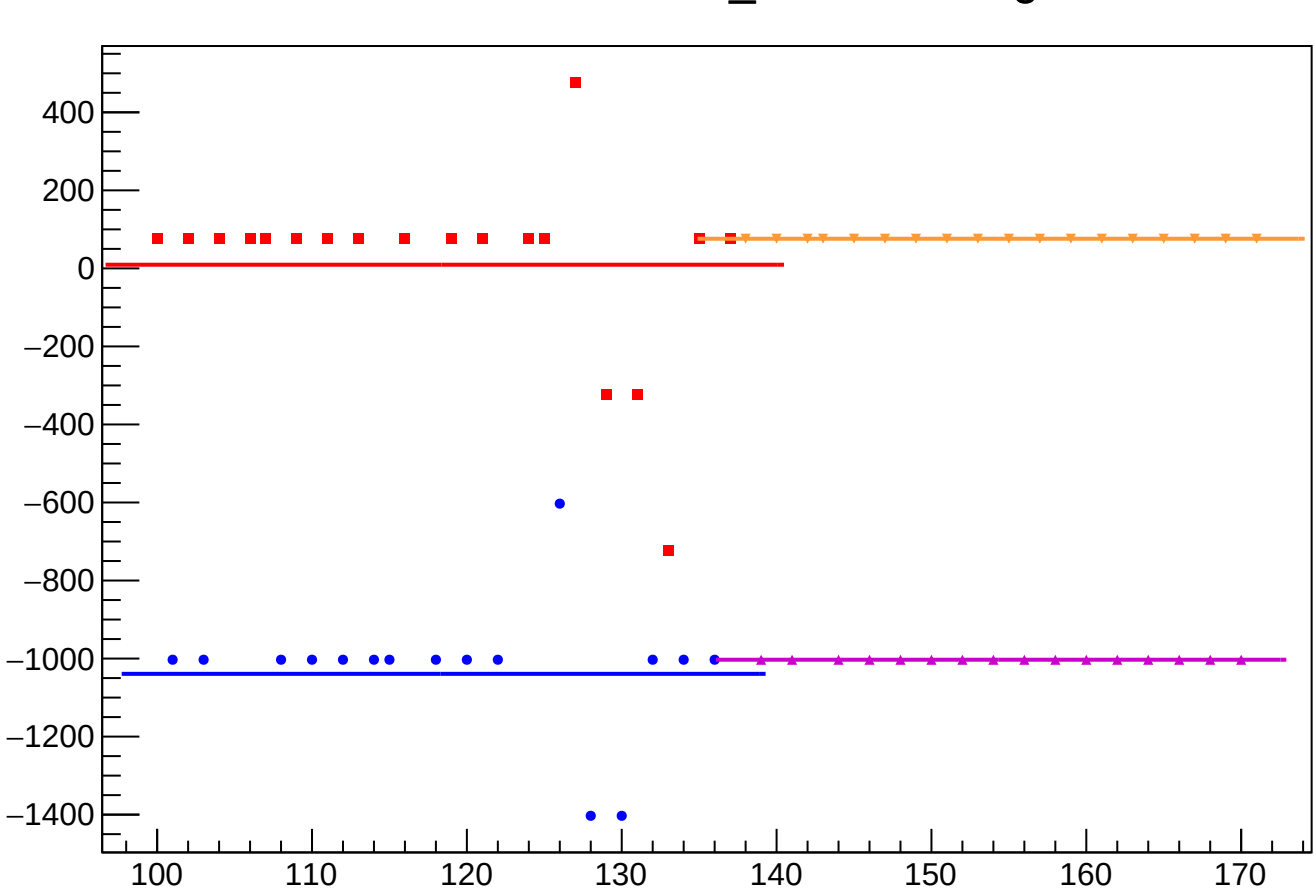
Left Out: 1146.011+/-0.000 χ^2/NDF:5400380858546423943303004160.0/17

All: 1043.284+/-0.000 χ^2/NDF: 1041545145

Right Out: 1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774 1568.0/18

- sign 1007.840+/-0.000 χ^2/NDF: 56716963592768

Left In: 912.995+/-0.000 χ^2/NDF:17761477532087409565189013504.0/15



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

+ sign -295.044+/-0.000 χ^2/NDF: 63776009299650

Left Out: 76.011+/-0.000 χ^2/NDF:98320836745068907118681128960.0/17

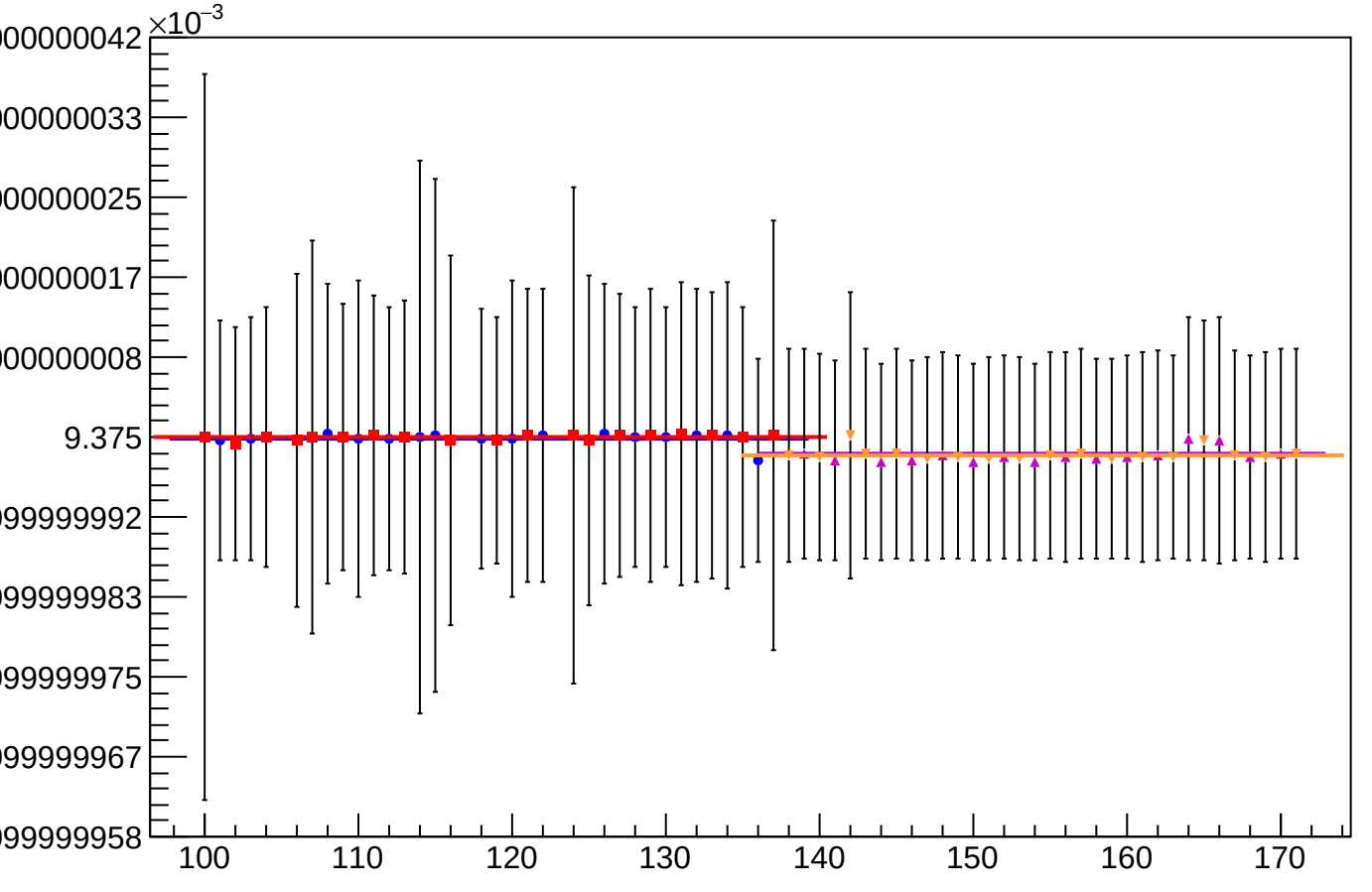
All: -464.582+/-0.000 χ^2/NDF: 1317273892

Right Out: 9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

- sign -641.344+/-0.000 χ^2/NDF: 54876422161672

Left In: -1002.990+/-0.000 χ^2/NDF:22745077715414800597264629760.0/15

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:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

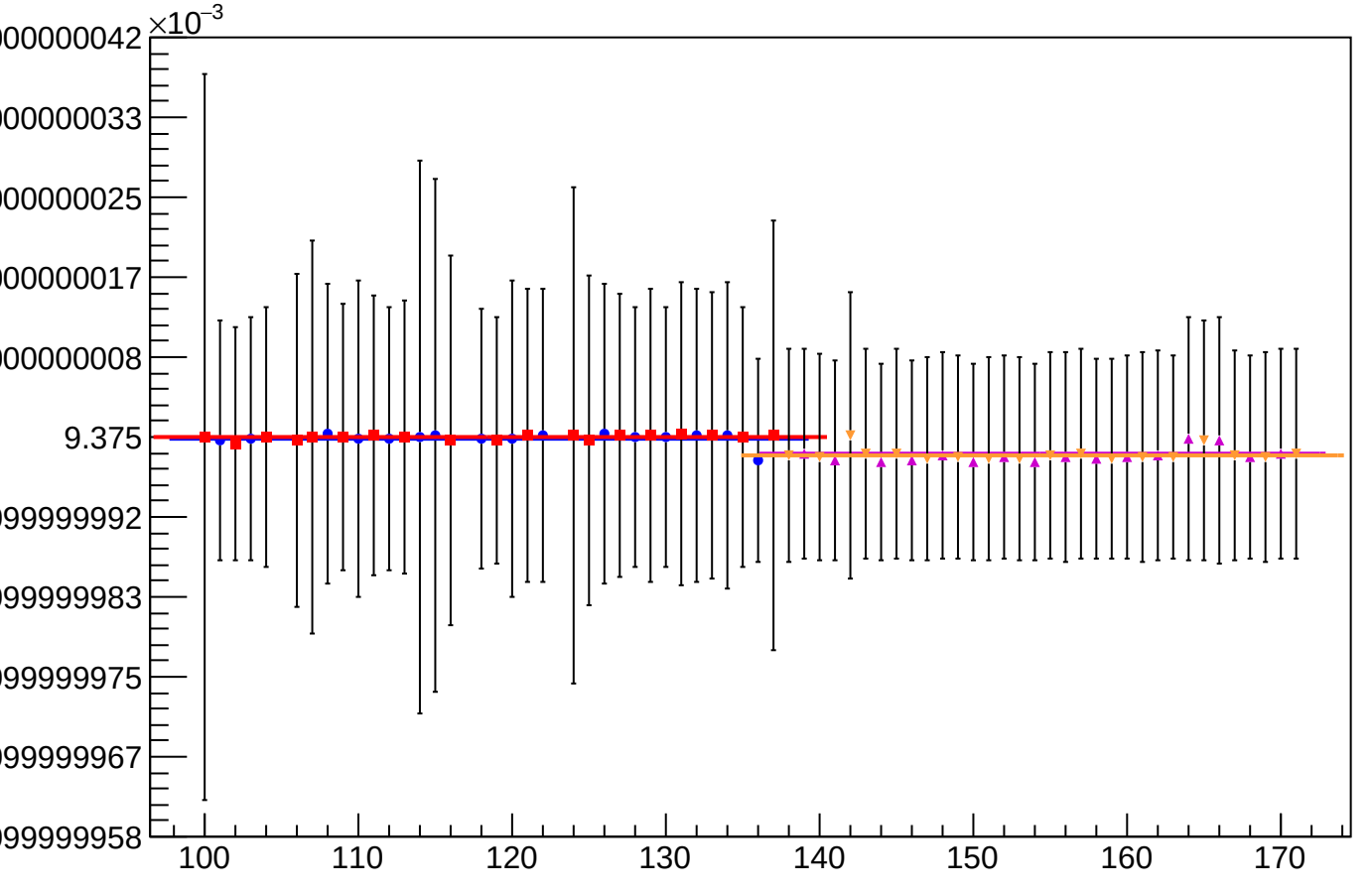
Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34

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:0.0/17

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: 0.009+/-0.000 χ^2/NDF:0.1/15

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/33

All: 0.009+/-0.000 χ^2/NDF: 0.5/68

- sign 0.009+/-0.000 χ^2/NDF: 0.3/34