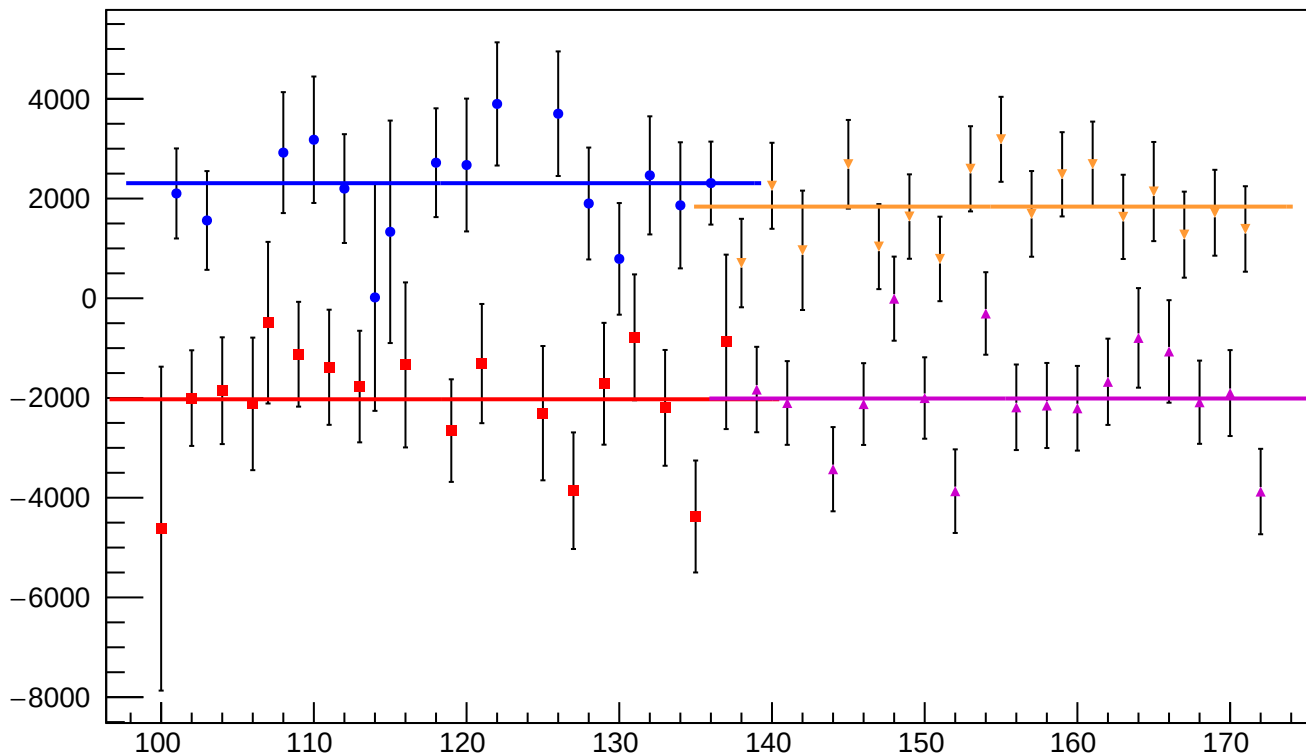


reg_asym_us_avg_mean vs Slug



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: -2010.383+/-208.484

χ^2/NDF : 25.1/16

+ sign 2002.491+/-171.670

χ^2/NDF : 21.1/32

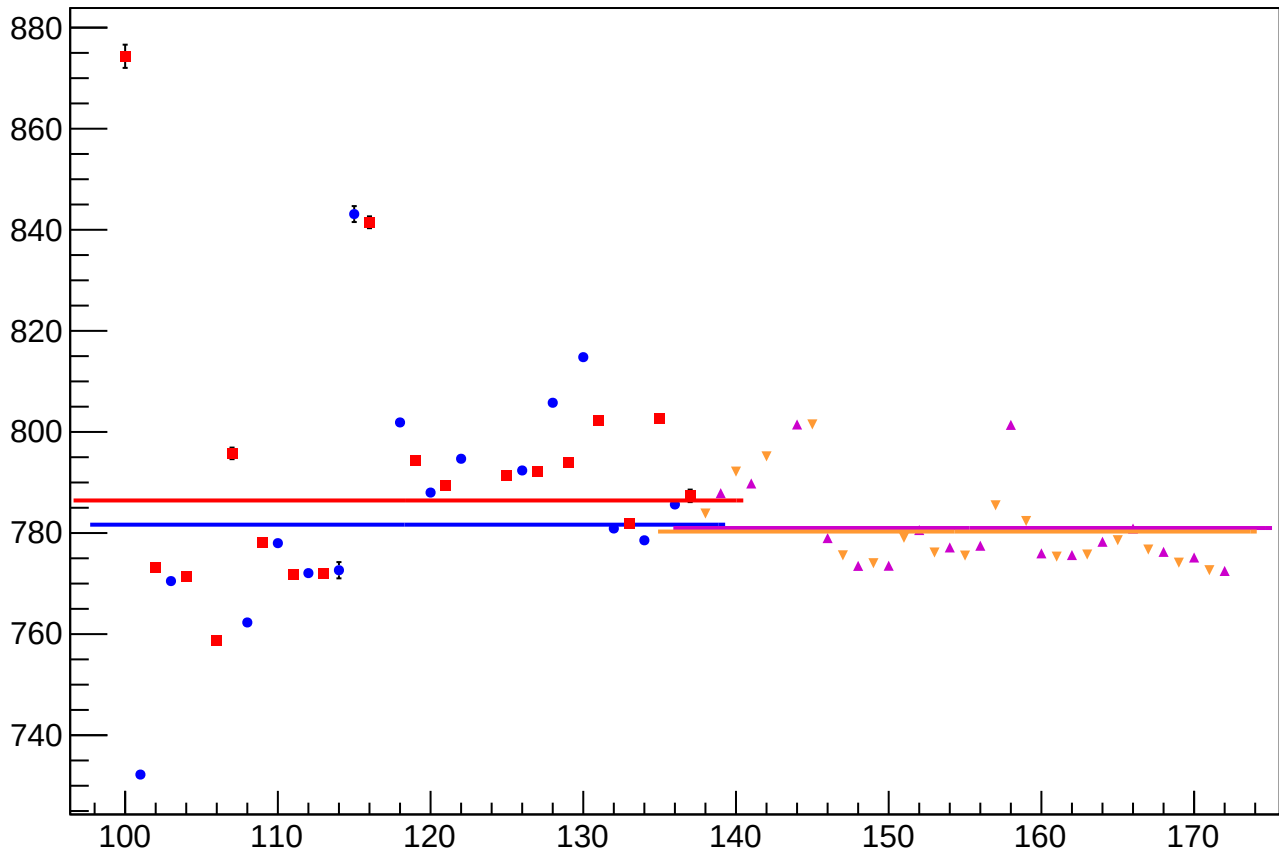
All: -35.193+/-120.520

χ^2/NDF : 335.9/67

- sign -2015.582+/-169.239

χ^2/NDF : 37.0/34

reg_asym_us_avg_rms vs Slug



Right In: 781.654 $\pm$ 0.205 χ^2 /NDF: 12319.0/15

Left Out: 780.294 $\pm$ 0.150 χ^2 /NDF: 2651.9/16

Right Out: 786.443 $\pm$ 0.205 χ^2 /NDF: 7201.6/17

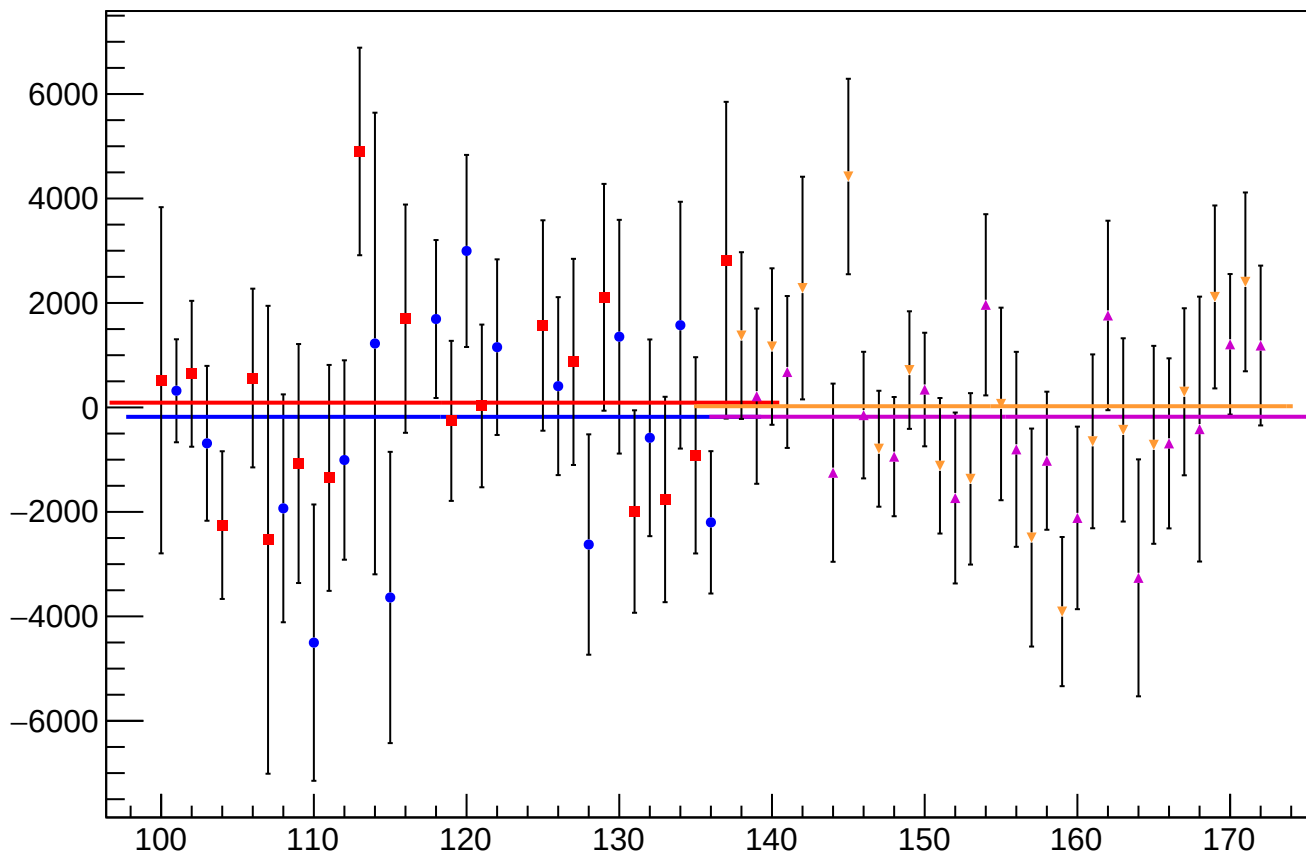
Left In: 780.992 $\pm$ 0.147 χ^2 /NDF: 3597.2/16

+ sign 780.769 $\pm$ 0.121 χ^2 /NDF: 14999.5/32

All: 781.825 $\pm$ 0.085 χ^2 /NDF: 26413.8/67

- sign 782.851 $\pm$ 0.120 χ^2 /NDF: 11265.1/34

asym_us_avg_reg_correction_mean vs Slug



Right In: -179.929 ± 440.772 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 23.196 ± 379.365 $\chi^2/\text{NDF}: 23.2/16$

Right Out: 91.288 ± 454.811 $\chi^2/\text{NDF}: 15.2/17$

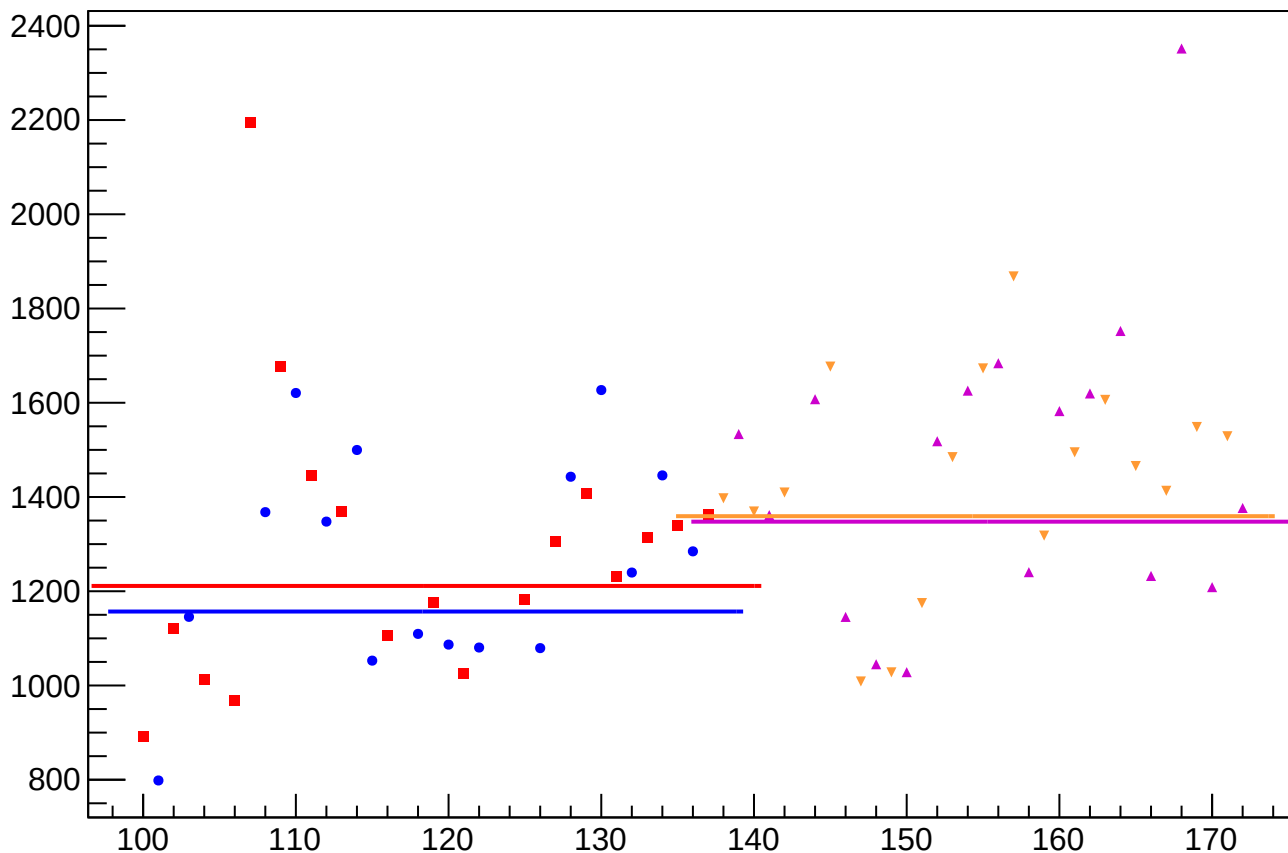
Left In: -178.269 ± 368.324 $\chi^2/\text{NDF}: 10.6/16$

+ sign -63.243 ± 287.532 $\chi^2/\text{NDF}: 38.7/32$

All: -67.392 ± 202.855 $\chi^2/\text{NDF}: 64.7/67$

- sign -71.503 ± 286.234 $\chi^2/\text{NDF}: 26.0/34$

asym_us_avg_reg_correction_rms vs Slug



Right In: 1156.948 $\pm$ 0.312 χ^2 /NDF: 569119.8/15

Left Out: 1359.291 $\pm$ 0.268 χ^2 /NDF: 768154.1/16

Right Out: 1211.264 $\pm$ 0.322 χ^2 /NDF: 397714.5/17

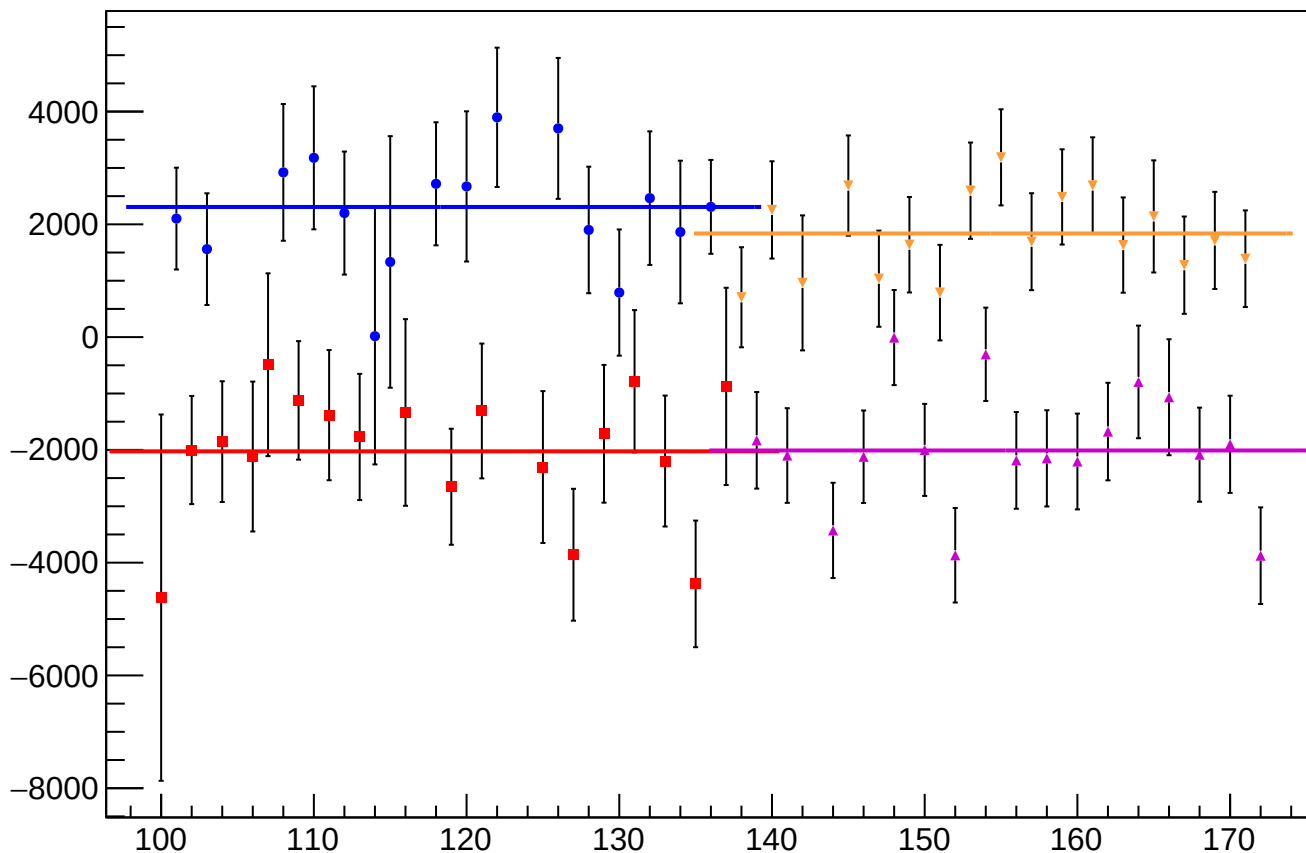
Left In: 1347.644 $\pm$ 0.260 χ^2 /NDF: 1081692.8/16

+ sign 1273.185 $\pm$ 0.203 χ^2 /NDF: 1579397.3/32

All: 1283.452 $\pm$ 0.143 χ^2 /NDF: 3172487.1/67

- sign 1293.627 $\pm$ 0.202 χ^2 /NDF: 1588012.8/34

cor_asym_us_avg_mean vs Slug



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

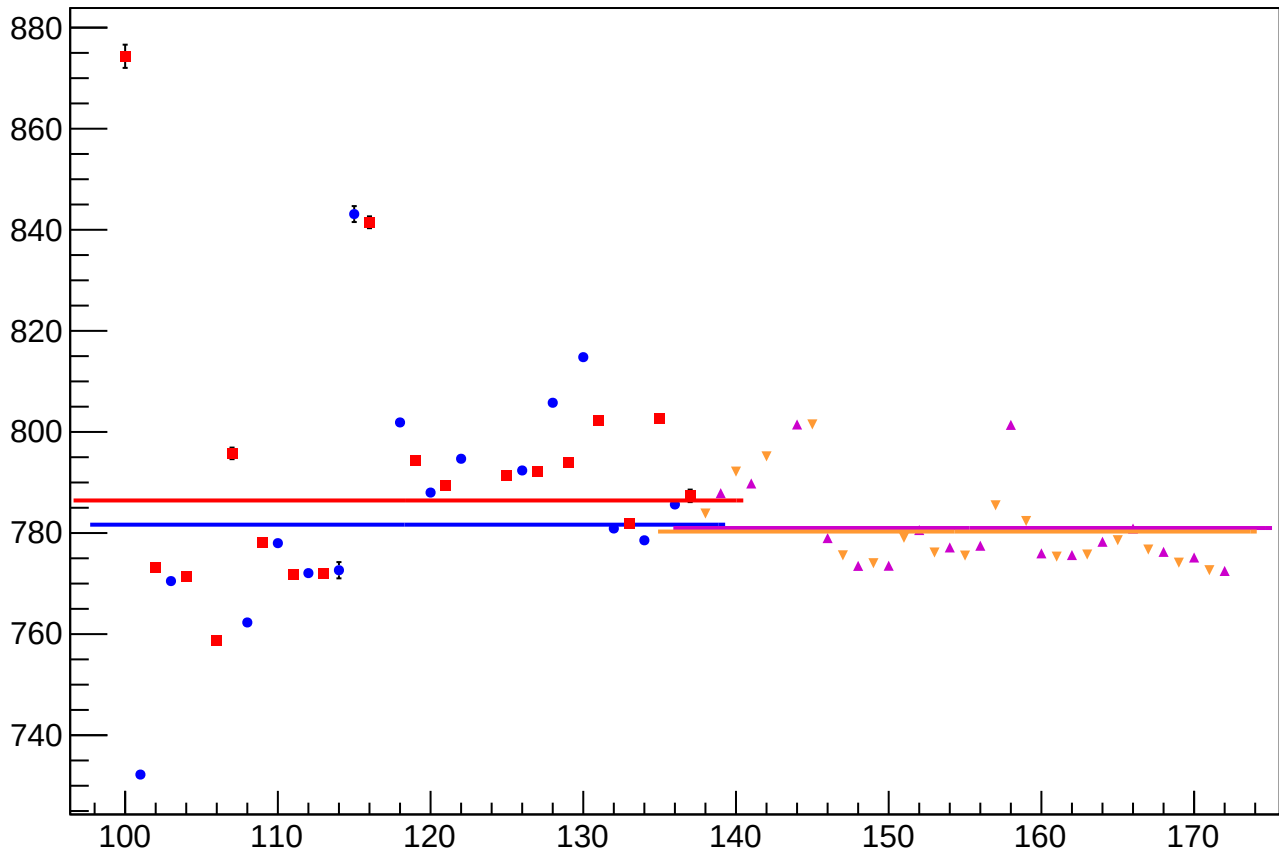
Left In: -2010.383+/-208.484 χ^2/NDF : 25.1/16

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

All: -35.193+/-120.520 χ^2/NDF : 335.9/67

- sign -2015.582+/-169.239 χ^2/NDF : 37.0/34

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

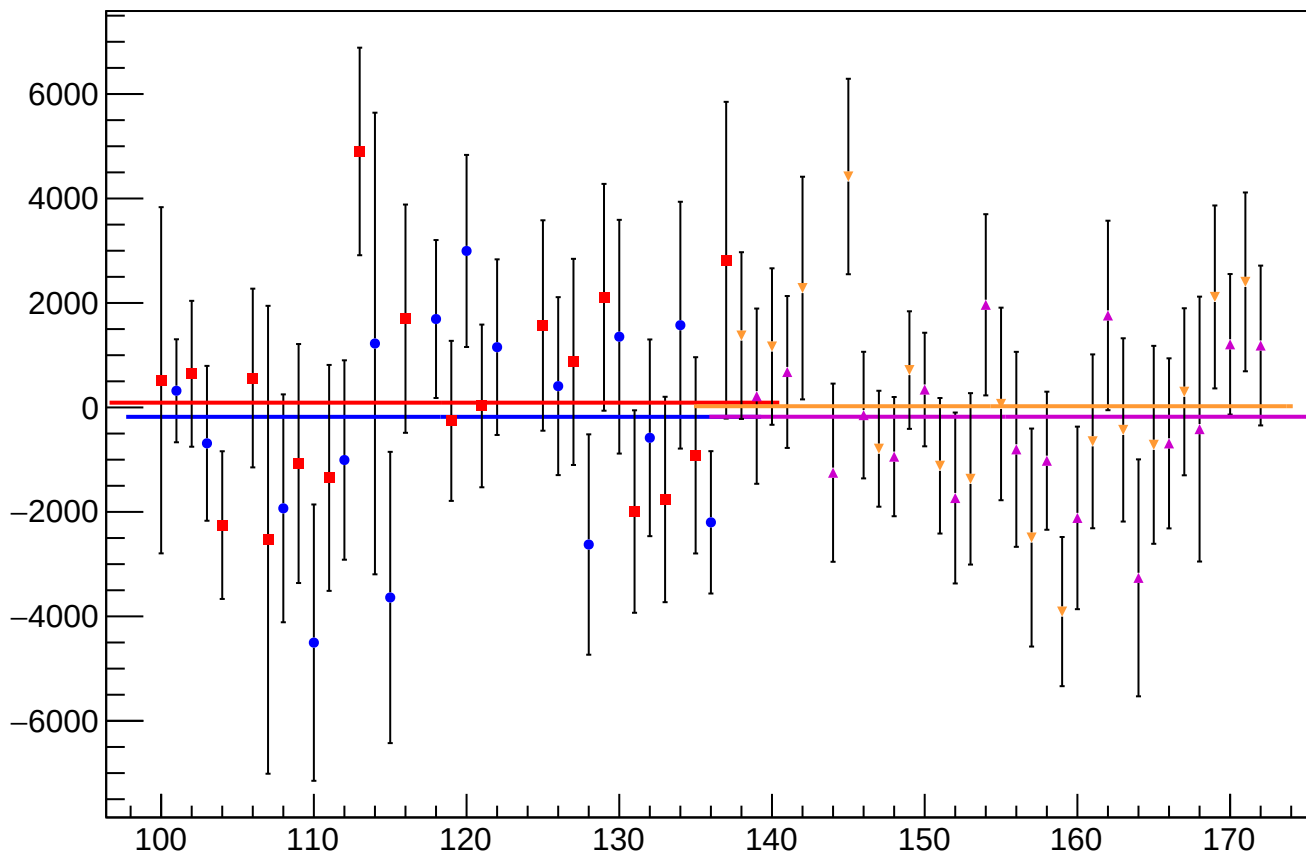
Left In: 780.992 ± 0.147 χ^2/NDF : 3597.2/16

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

All: 781.825 ± 0.085 χ^2/NDF : 26413.8/67

- sign 782.851 ± 0.120 χ^2/NDF : 11265.1/34

asym_us_avg_cor_correction_mean vs Slug



Right In: -179.929 ± 440.772 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 23.196 ± 379.365 $\chi^2/\text{NDF}: 23.2/16$

Right Out: 91.288 ± 454.811 $\chi^2/\text{NDF}: 15.2/17$

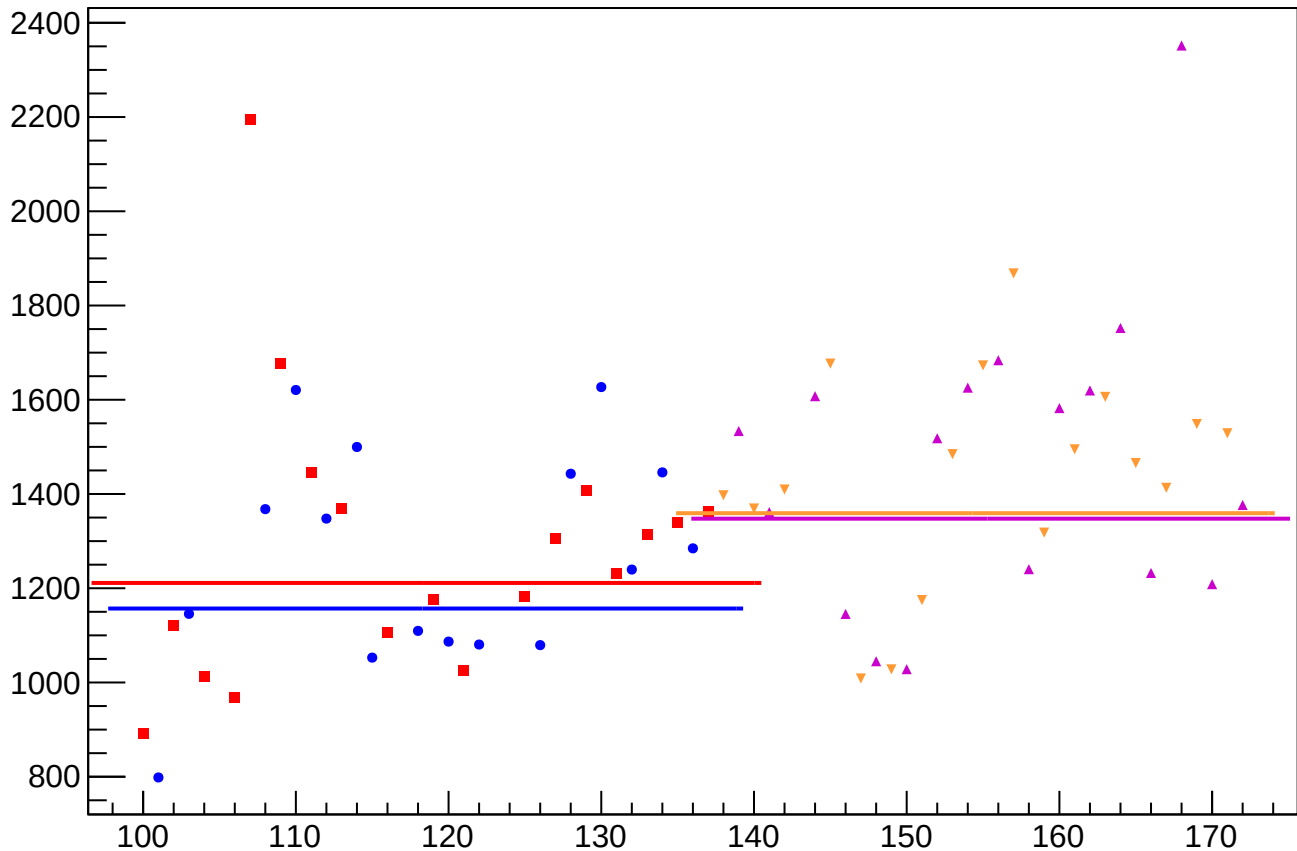
Left In: -178.269 ± 368.324 $\chi^2/\text{NDF}: 10.6/16$

+ sign -63.243 ± 287.532 $\chi^2/\text{NDF}: 38.7/32$

All: -67.392 ± 202.855 $\chi^2/\text{NDF}: 64.7/67$

- sign -71.503 ± 286.234 $\chi^2/\text{NDF}: 26.0/34$

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

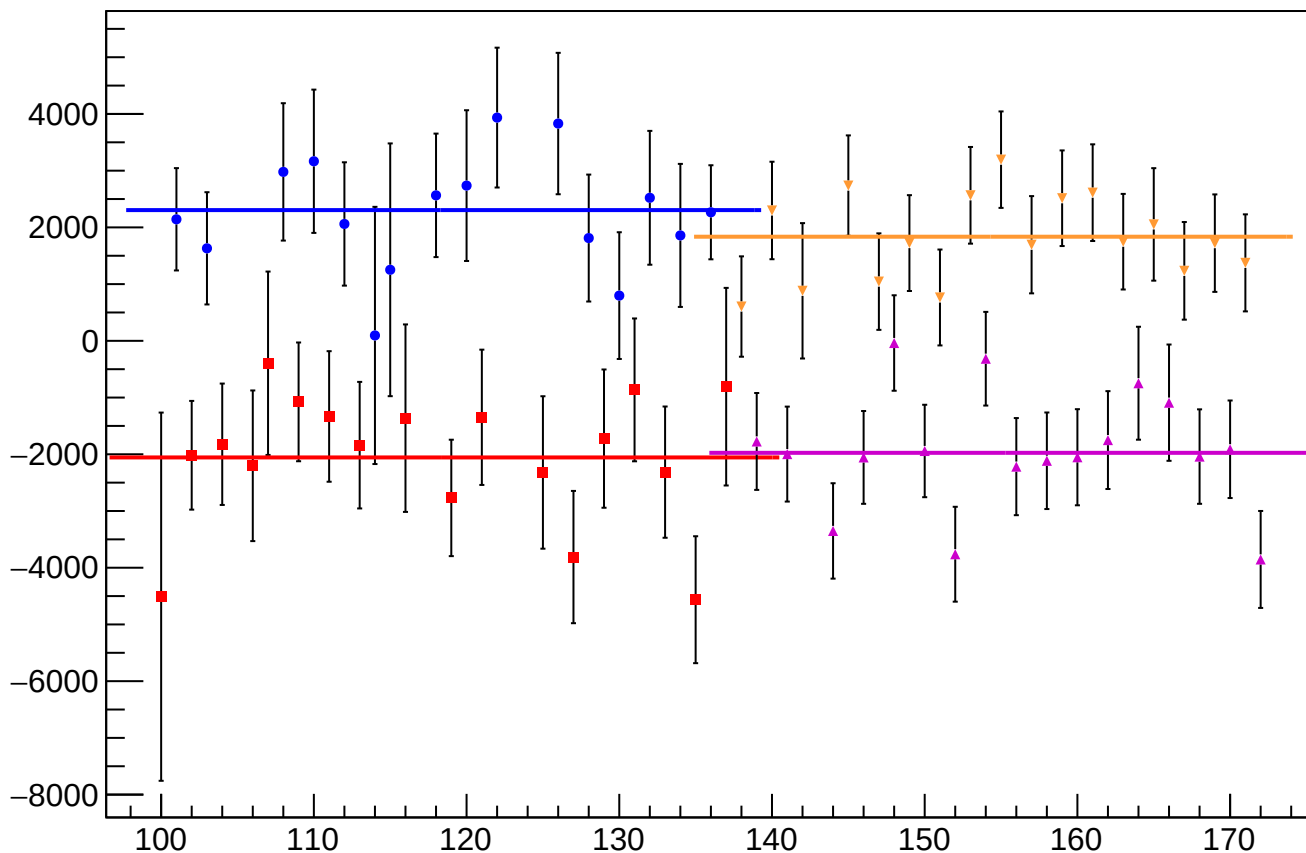
Left In: 1347.644 ± 0.260 χ^2/NDF : 1081692.8/16

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

All: 1283.452 ± 0.143 χ^2/NDF : 3172487.1/67

- sign 1293.627 ± 0.202 χ^2/NDF : 1588012.8/34

overload_cor_asym_us_avg_mean vs Slug



Right In: 2304.852 $\pm$ 289.704 χ^2 /NDF: 8.1/15

Left Out: 1835.738 $\pm$ 212.272 χ^2 /NDF:12.0/16

Right Out: -2055.666 $\pm$ 289.090 χ^2 /NDF: 12.9/17

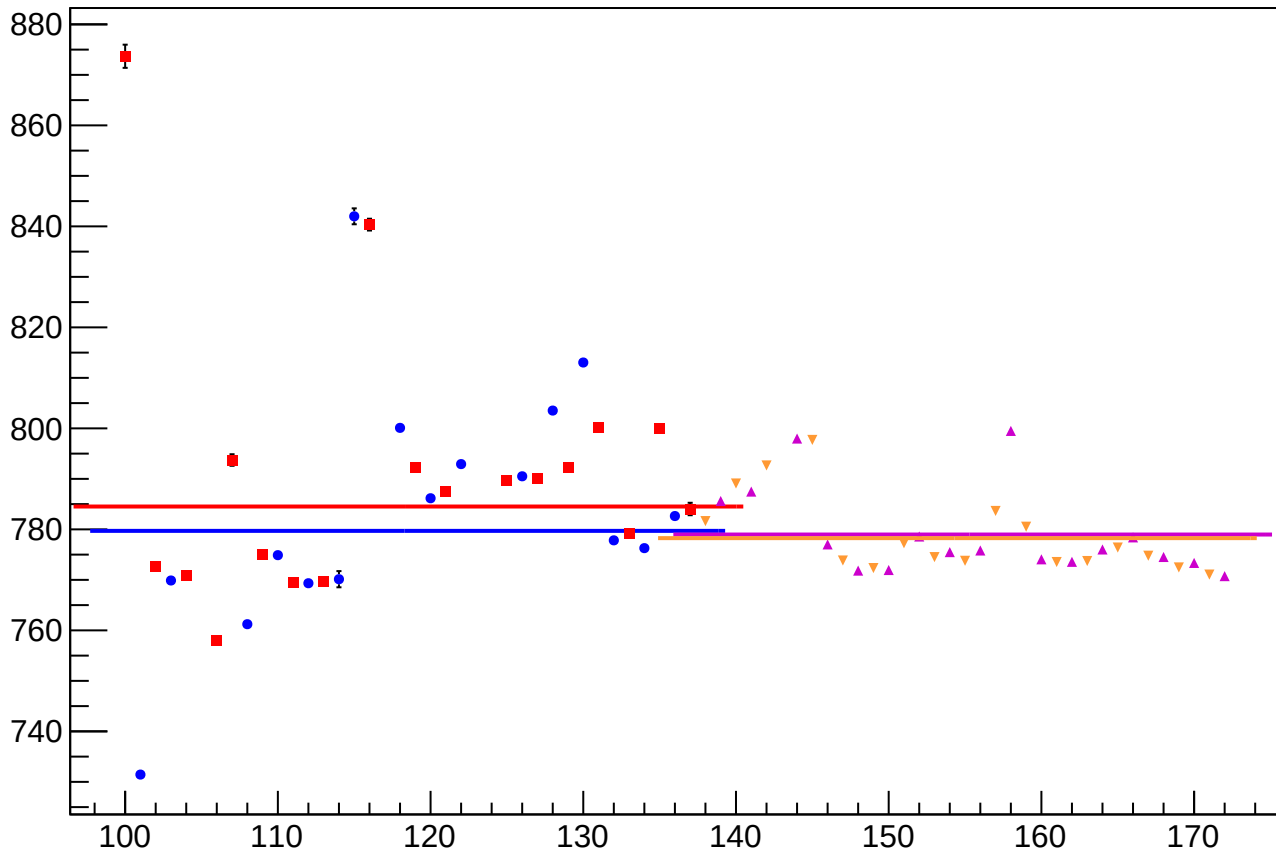
Left In: -1974.452 $\pm$ 207.945 χ^2 /NDF:23.9/16

+ sign 1999.615 $\pm$ 171.227 χ^2 /NDF: 21.8/32

All: -29.716 $\pm$ 120.212 χ^2 /NDF: 335.7/67

- sign -2002.144 $\pm$ 168.810 χ^2 /NDF: 36.9/34

overload_cor_asym_us_avg_rms vs Slug



Right In: 779.702 $\pm$ 0.205 χ^2 /NDF: 12060.2/15

Left Out: 778.263 $\pm$ 0.150 χ^2 /NDF: 2339.0/16

Right Out: 784.524 $\pm$ 0.204 χ^2 /NDF: 7160.0/17

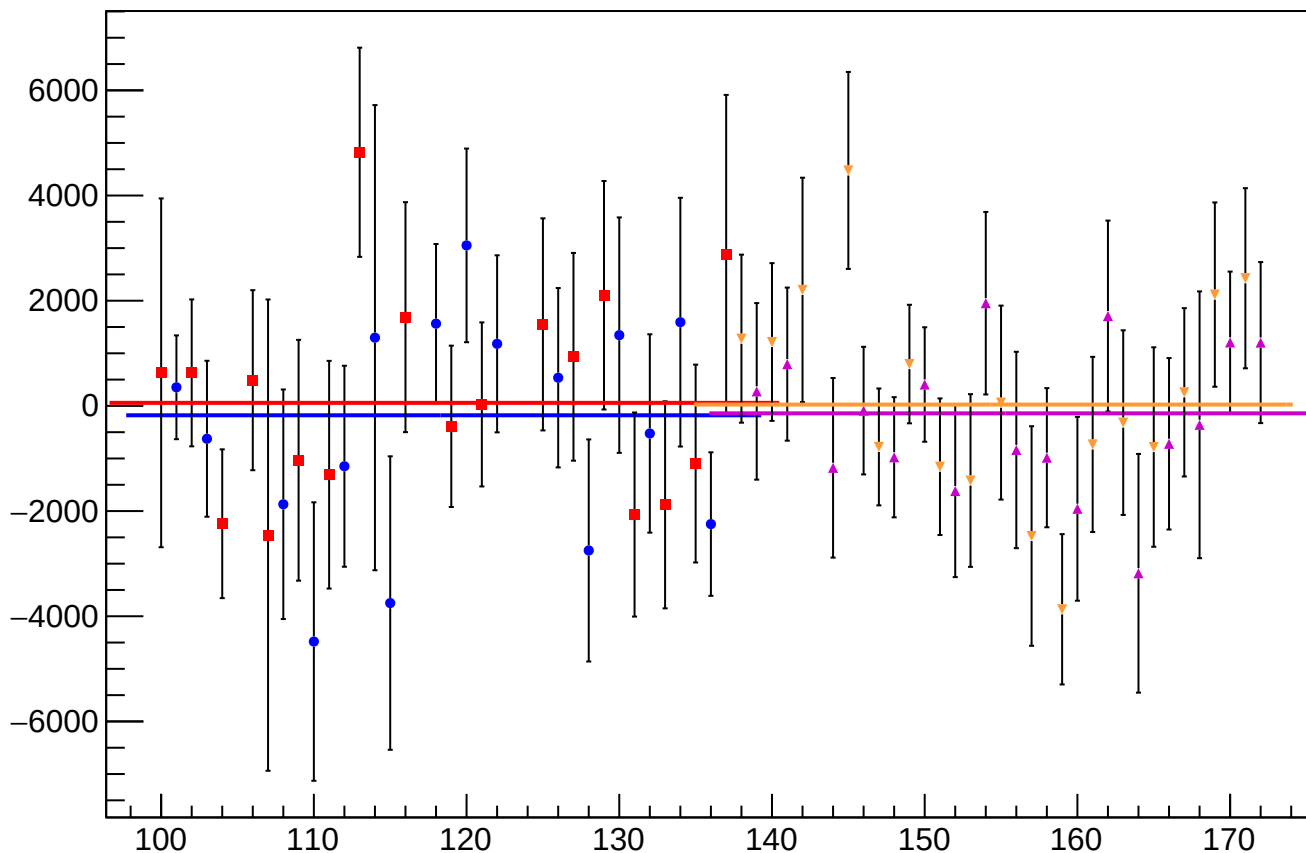
Left In: 778.977 $\pm$ 0.147 χ^2 /NDF: 3371.5/16

+ sign 778.766 $\pm$ 0.121 χ^2 /NDF: 14431.3/32

All: 779.832 $\pm$ 0.085 χ^2 /NDF: 25601.1/67

- sign 780.869 $\pm$ 0.119 χ^2 /NDF: 11016.8/34

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -178.457 ± 441.218 $\chi^2/\text{NDF}: 15.7/15$

Left Out: 25.071 ± 379.715 $\chi^2/\text{NDF}: 23.2/16$

Right Out: 58.040 ± 455.216 $\chi^2/\text{NDF}: 15.3/17$

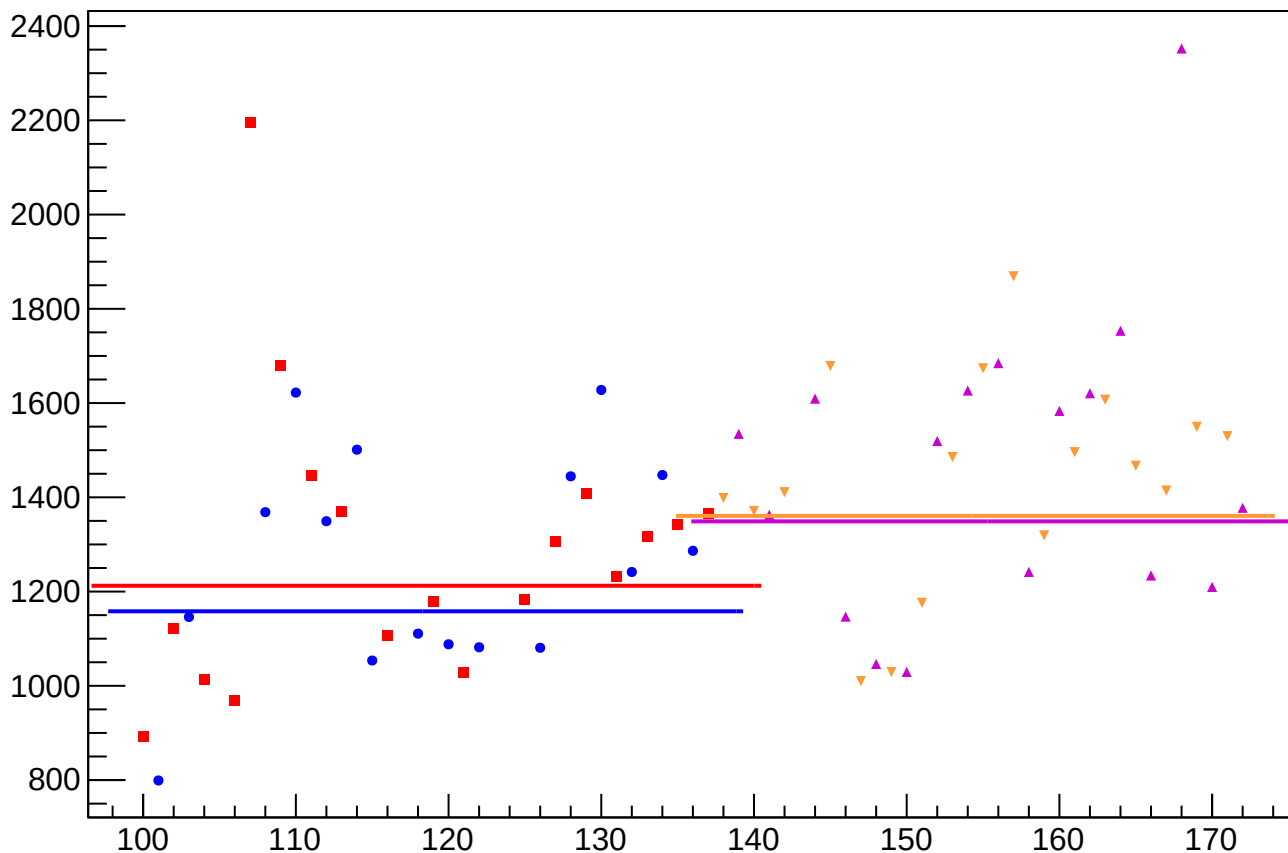
Left In: -141.619 ± 368.662 $\chi^2/\text{NDF}: 10.3/16$

+ sign -61.530 ± 287.808 $\chi^2/\text{NDF}: 39.0/32$

All: -62.035 ± 203.045 $\chi^2/\text{NDF}: 64.7/67$

- sign -62.536 ± 286.493 $\chi^2/\text{NDF}: 25.6/34$

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.134 $\pm$ 0.312 χ^2 /NDF: 569144.8/15

Left Out: 1360.629 $\pm$ 0.268 χ^2 /NDF: 765997.2/16

Right Out: 1212.347 $\pm$ 0.322 χ^2 /NDF: 397938.1/17

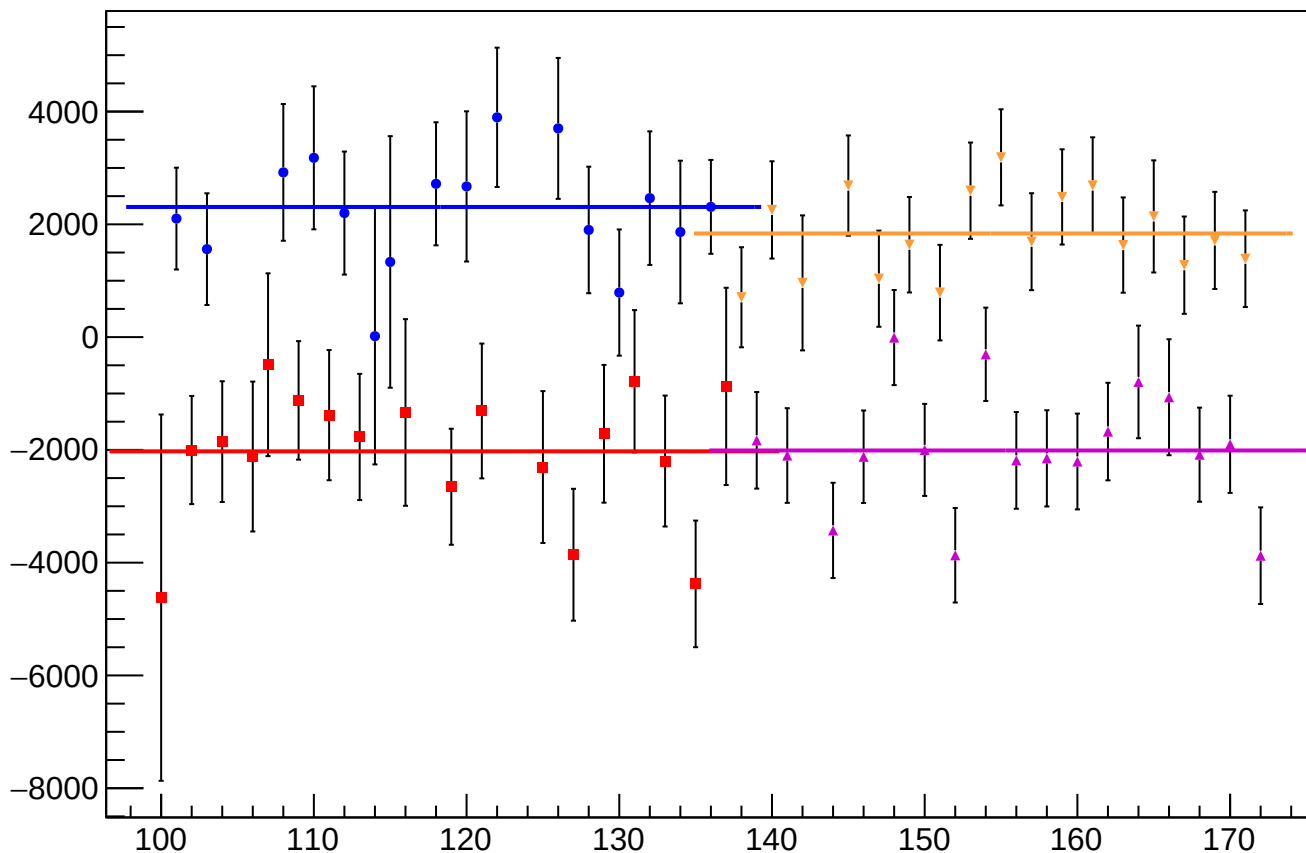
Left In: 1348.952 $\pm$ 0.261 χ^2 /NDF: 1079276.8/16

+ sign 1274.467 $\pm$ 0.204 χ^2 /NDF: 1577157.8/32

All: 1284.702 $\pm$ 0.144 χ^2 /NDF: 3168176.1/67

- sign 1294.844 $\pm$ 0.203 χ^2 /NDF: 1585982.8/34

eigen_cor_asym_us_avg_mean vs Slug



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

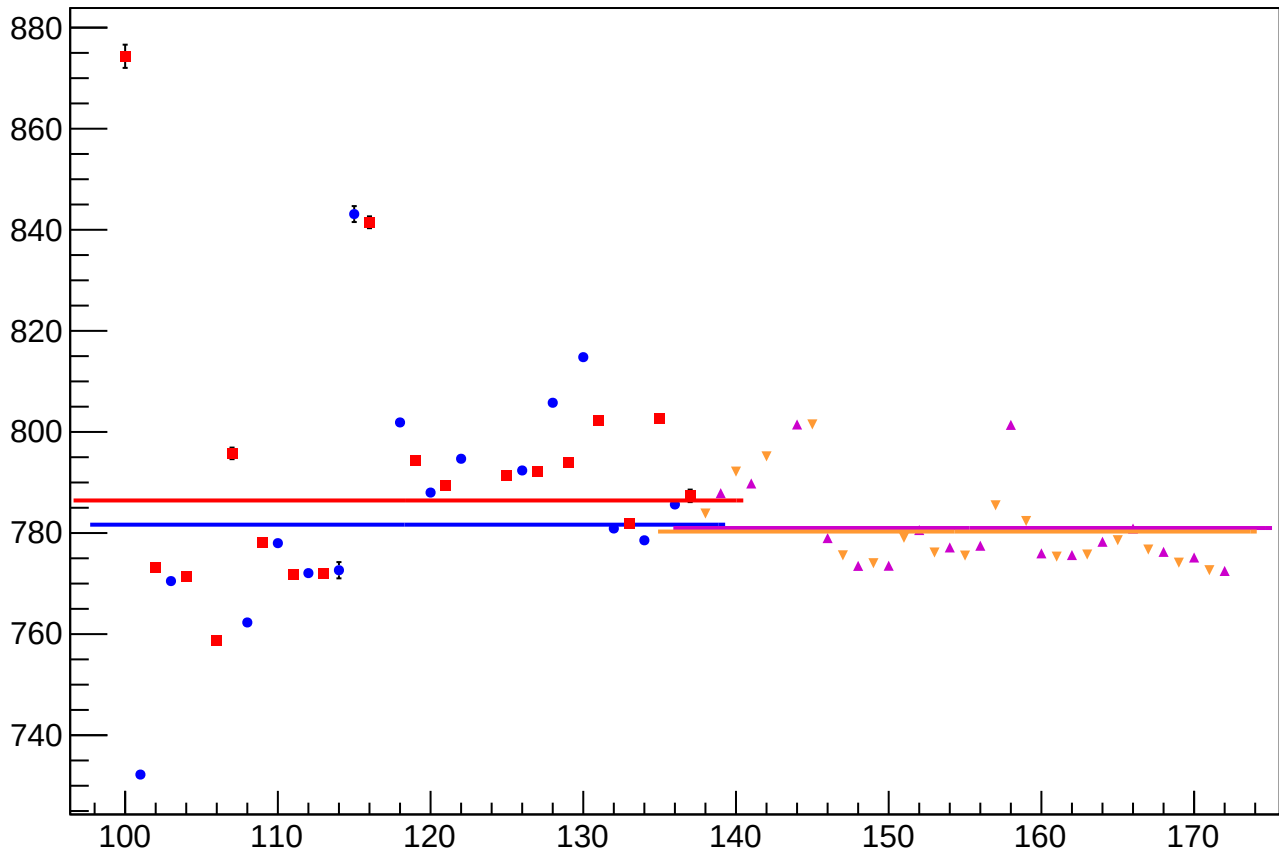
Left In: -2010.383+/-208.484 χ^2/NDF : 25.1/16

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

All: -35.193+/-120.520 χ^2/NDF : 335.9/67

- sign -2015.582+/-169.239 χ^2/NDF : 37.0/34

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.654 $\pm$ 0.205 χ^2 /NDF: 12319.0/15

Left Out: 780.294 $\pm$ 0.150 χ^2 /NDF: 2651.9/16

Right Out: 786.443 $\pm$ 0.205 χ^2 /NDF: 7201.6/17

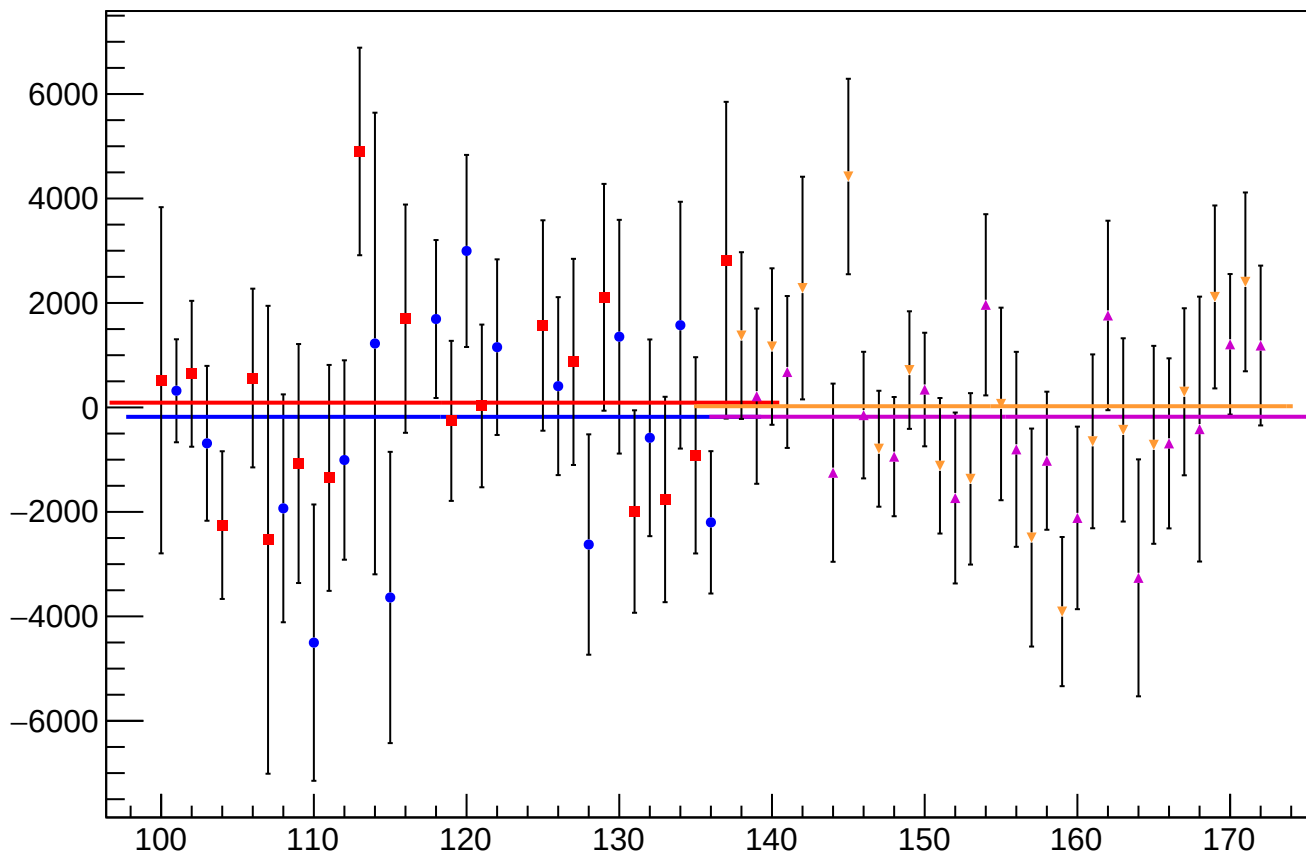
Left In: 780.992 $\pm$ 0.147 χ^2 /NDF: 3597.2/16

+ sign 780.769 $\pm$ 0.121 χ^2 /NDF: 14999.5/32

All: 781.825 $\pm$ 0.085 χ^2 /NDF: 26413.8/67

- sign 782.851 $\pm$ 0.120 χ^2 /NDF: 11265.1/34

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -179.929 ± 440.772 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 23.196 ± 379.365 $\chi^2/\text{NDF}: 23.2/16$

Right Out: 91.288 ± 454.811 $\chi^2/\text{NDF}: 15.2/17$

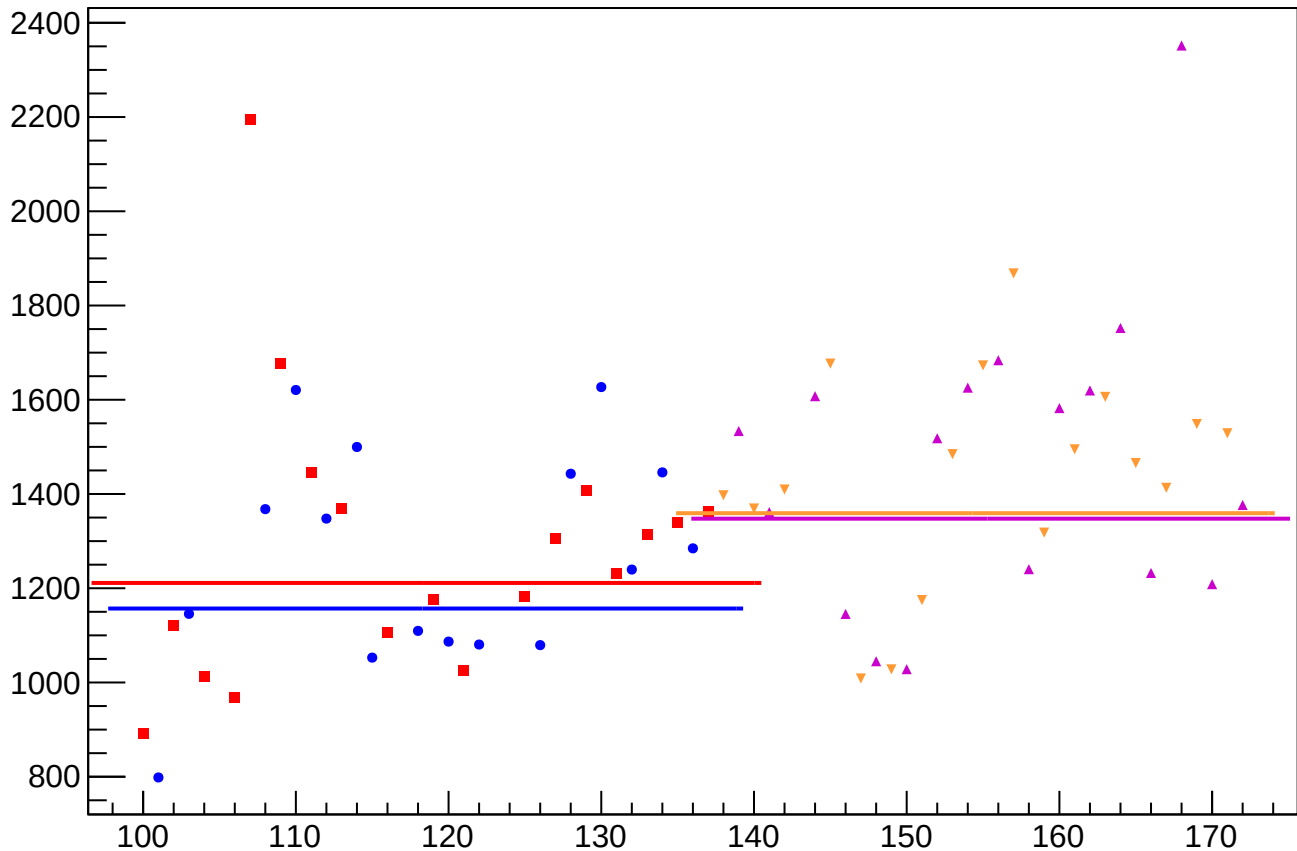
Left In: -178.269 ± 368.324 $\chi^2/\text{NDF}: 10.6/16$

+ sign -63.243 ± 287.532 $\chi^2/\text{NDF}: 38.7/32$

All: -67.392 ± 202.855 $\chi^2/\text{NDF}: 64.7/67$

- sign -71.503 ± 286.234 $\chi^2/\text{NDF}: 26.0/34$

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1156.948 $\pm$ 0.312 χ^2 /NDF: 569119.8/15

Left Out: 1359.291 $\pm$ 0.268 χ^2 /NDF: 768154.1/16

Right Out: 1211.264 $\pm$ 0.322 χ^2 /NDF: 397714.5/17

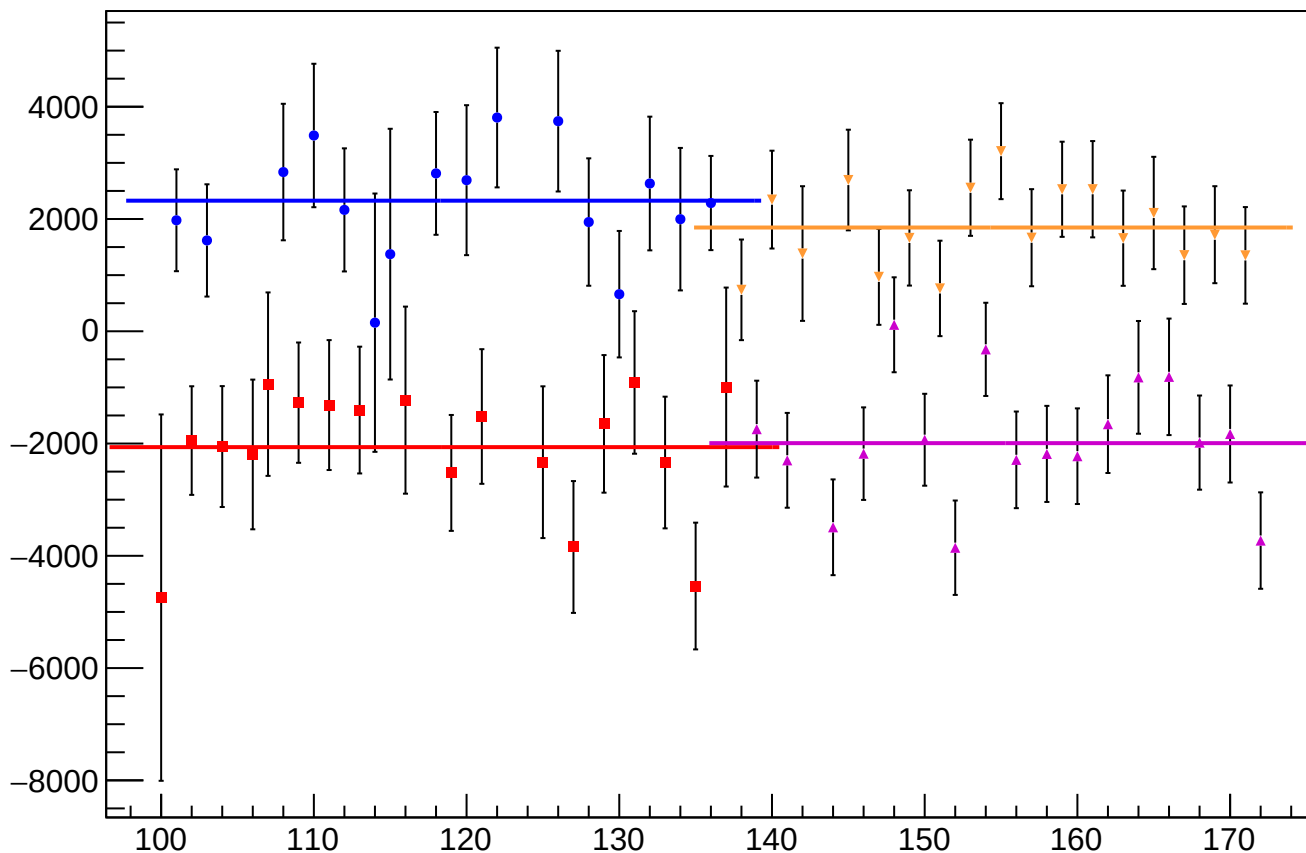
Left In: 1347.644 $\pm$ 0.260 χ^2 /NDF: 1081692.8/16

+ sign 1273.185 $\pm$ 0.203 χ^2 /NDF: 1579397.3/32

All: 1283.452 $\pm$ 0.143 χ^2 /NDF: 3172487.1/67

- sign 1293.627 $\pm$ 0.202 χ^2 /NDF: 1588012.8/34

dit_asym_us_avg_mean vs Slug



Right In: 2326.430 $\pm$ 292.176 χ^2 /NDF: 8.1/15

Left Out: 1848.398 $\pm$ 213.864 χ^2 /NDF: 11.0/16

Right Out: -2063.976 $\pm$ 291.790 χ^2 /NDF: 11.6/17

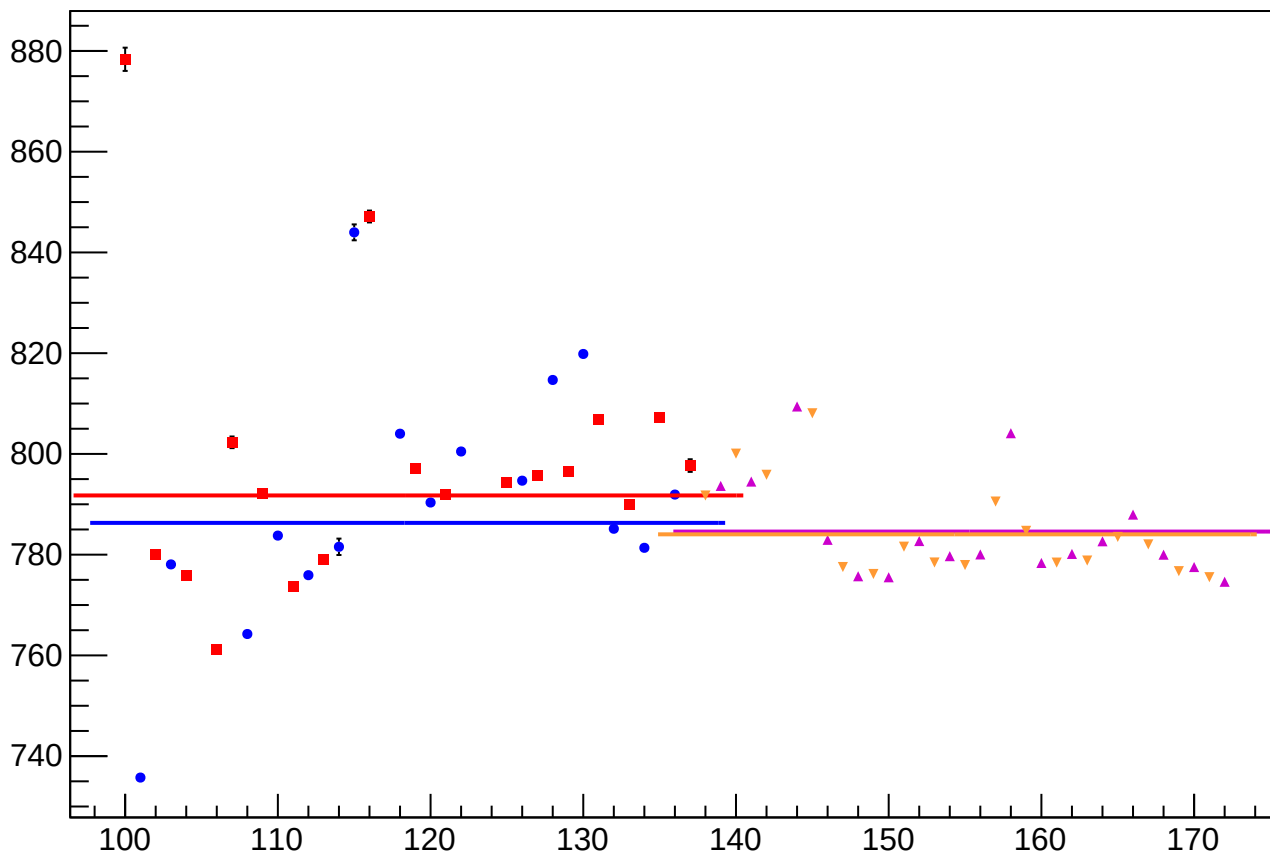
Left In: -1993.013 $\pm$ 209.452 χ^2 /NDF: 25.7/16

+ sign 2015.167 $\pm$ 172.573 χ^2 /NDF: 20.9/32

All: -29.456 $\pm$ 121.163 χ^2 /NDF: 335.1/67

- sign -2017.144 $\pm$ 170.154 χ^2 /NDF: 37.4/34

dit_asym_us_avg_rms vs Slug



Right In: 786.309 $\pm$ 0.207 χ^2 /NDF: 12571.1/15

Left Out: 784.036 $\pm$ 0.151 χ^2 /NDF: 3571.4/16

Right Out: 791.756 $\pm$ 0.206 χ^2 /NDF: 7015.1/17

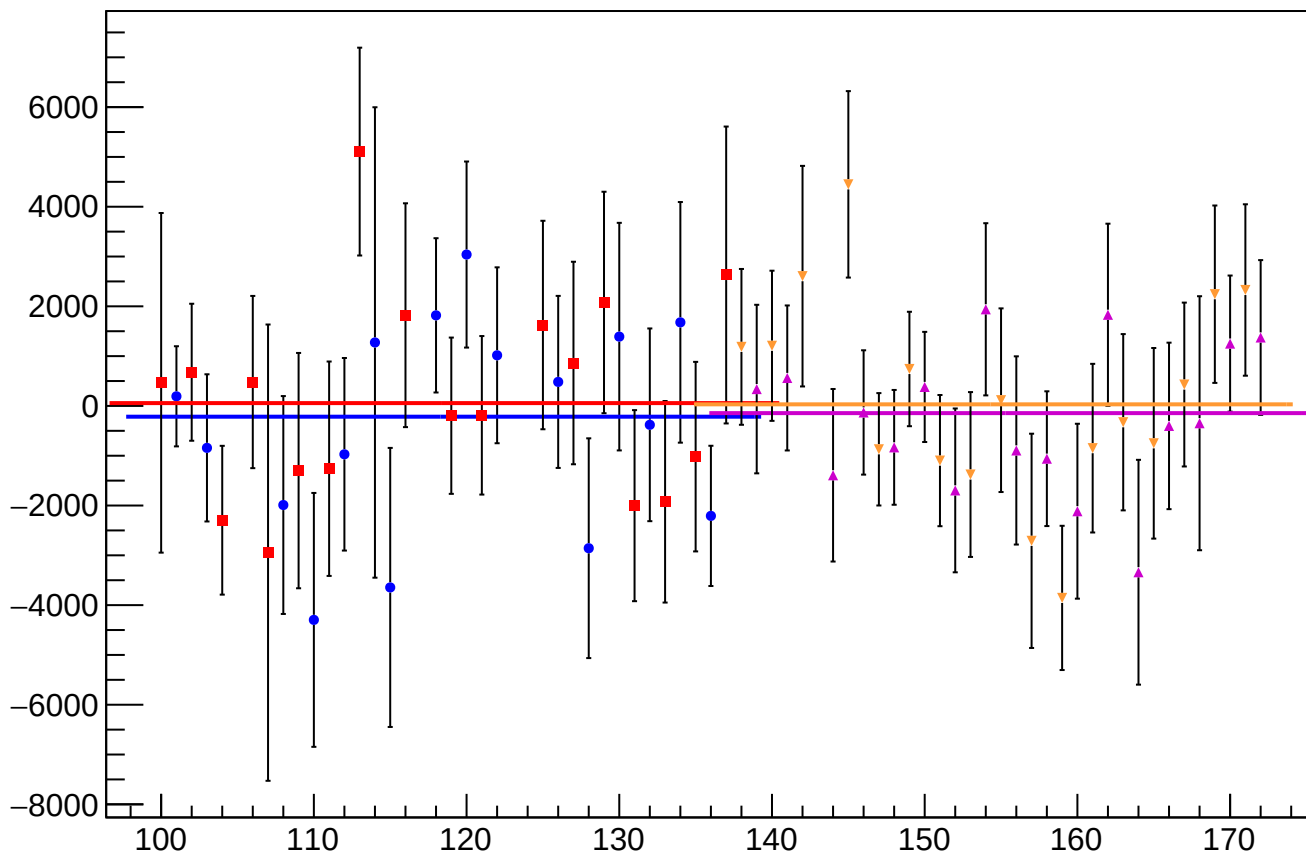
Left In: 784.584 $\pm$ 0.148 χ^2 /NDF: 4490.1/16

+ sign 784.829 $\pm$ 0.122 χ^2 /NDF: 16221.3/32

All: 785.941 $\pm$ 0.086 χ^2 /NDF: 28687.9/67

- sign 787.023 $\pm$ 0.120 χ^2 /NDF: 12302.7/34

asym_us_avg_dit_correction_mean vs Slug



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

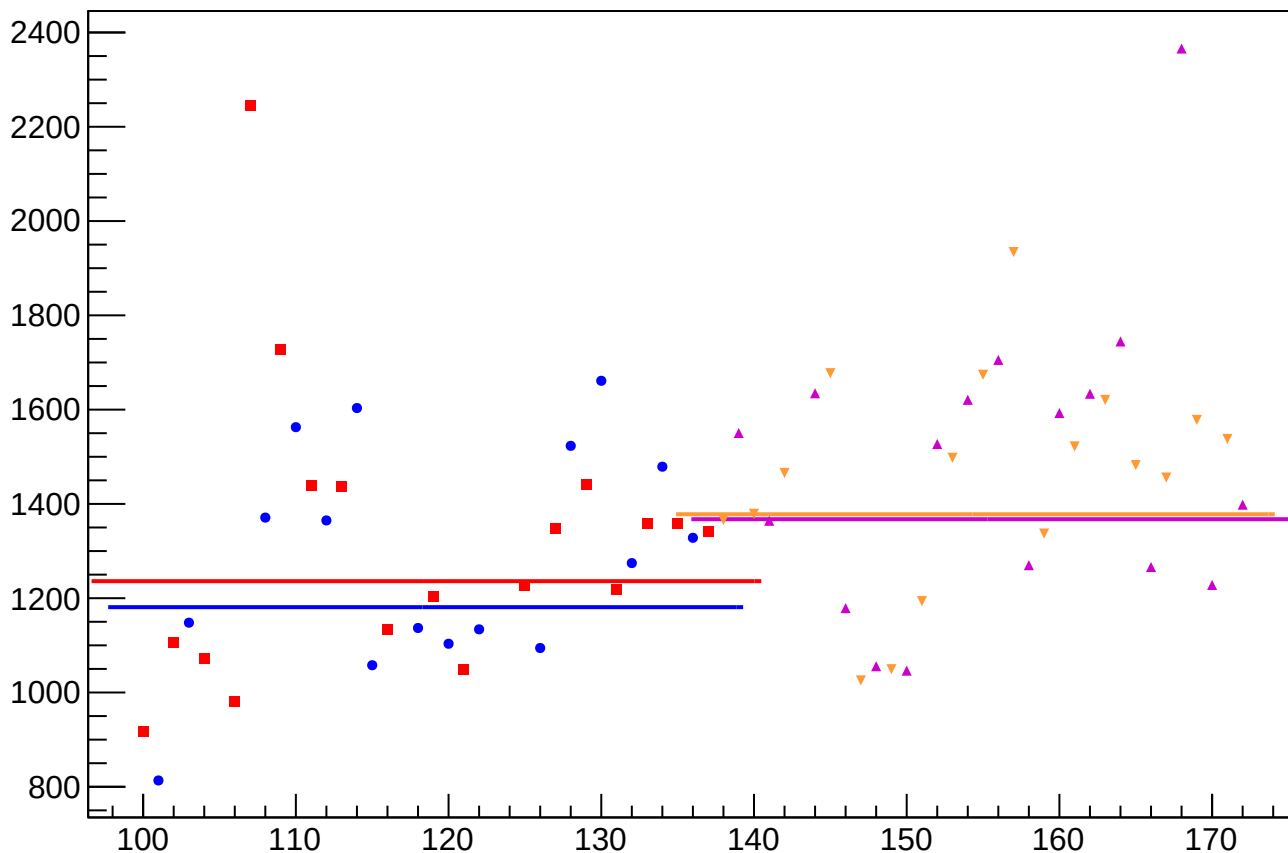
Left In: -144.448 ± 373.257 χ^2/NDF : 10.8/16

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

All: -69.104 ± 206.092 χ^2/NDF : 64.8/67

- sign -65.384 ± 290.829 χ^2/NDF : 26.1/34

asym_us_avg_dit_correction_rms vs Slug



Right In: 1180.998 $\pm$ 0.318 χ^2 /NDF: 571107.8/15

Left Out: 1378.066 $\pm$ 0.272 χ^2 /NDF: 754493.1/16

Right Out: 1236.134 $\pm$ 0.328 χ^2 /NDF: 397242.2/17

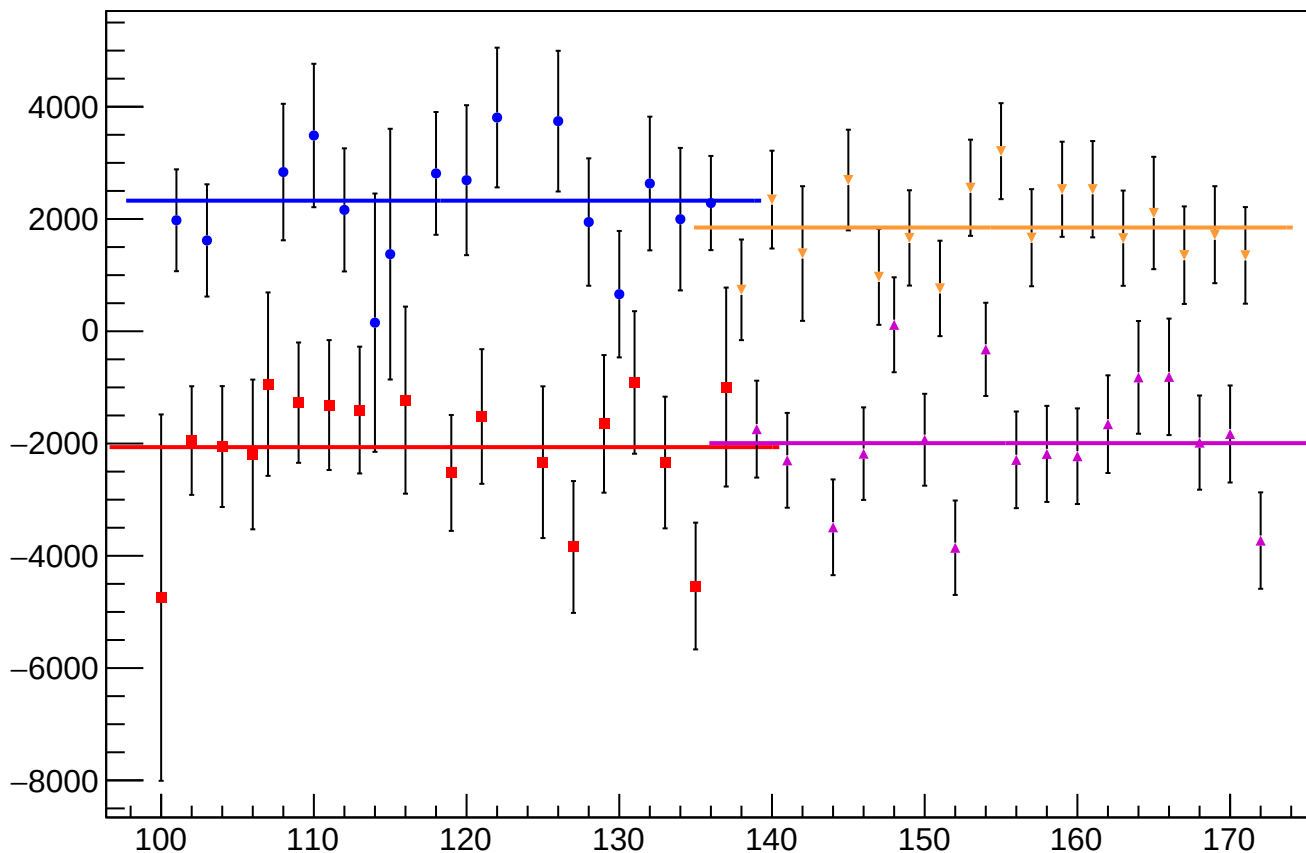
Left In: 1367.586 $\pm$ 0.264 χ^2 /NDF: 1034279.6/16

+ sign 1294.866 $\pm$ 0.207 χ^2 /NDF: 1547684.8/32

All: 1305.448 $\pm$ 0.146 χ^2 /NDF: 3081894.9/67

- sign 1315.939 $\pm$ 0.206 χ^2 /NDF: 1528982.7/34

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2326.429 $\pm$ 292.176 χ^2 /NDF: 8.1/15

Left Out: 1848.395 $\pm$ 213.864 χ^2 /NDF:11.0/16

Right Out: -2063.975 $\pm$ 291.790 χ^2 /NDF: 11.6/17

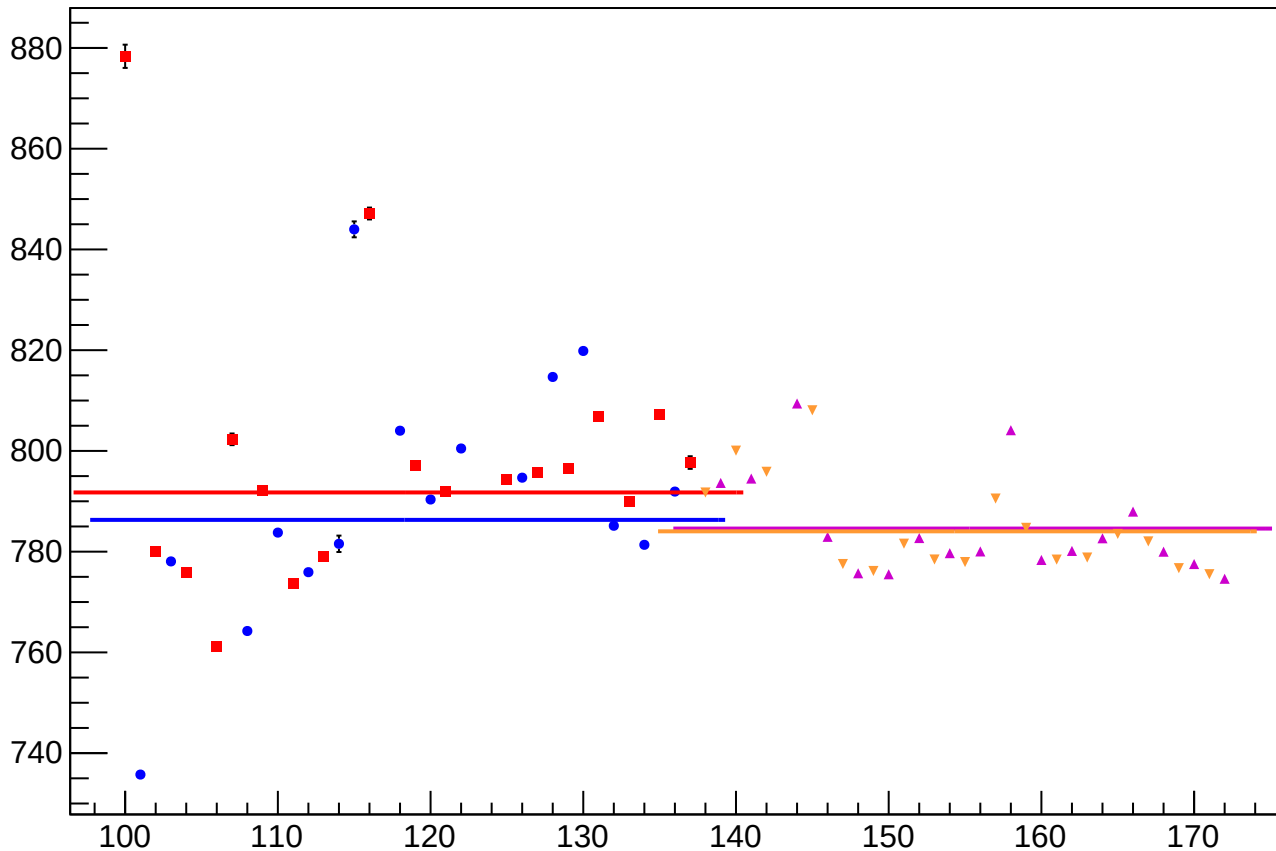
Left In: -1993.014 $\pm$ 209.452 χ^2 /NDF:25.7/16

+ sign 2015.165 $\pm$ 172.573 χ^2 /NDF: 20.9/32

All: -29.457 $\pm$ 121.163 χ^2 /NDF: 335.1/67

- sign -2017.144 $\pm$ 170.154 χ^2 /NDF: 37.4/34

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.309 $\pm$ 0.207 χ^2 /NDF: 12571.0/15

Left Out: 784.036 $\pm$ 0.151 χ^2 /NDF: 3571.4/16

Right Out: 791.756 $\pm$ 0.206 χ^2 /NDF: 7015.1/17

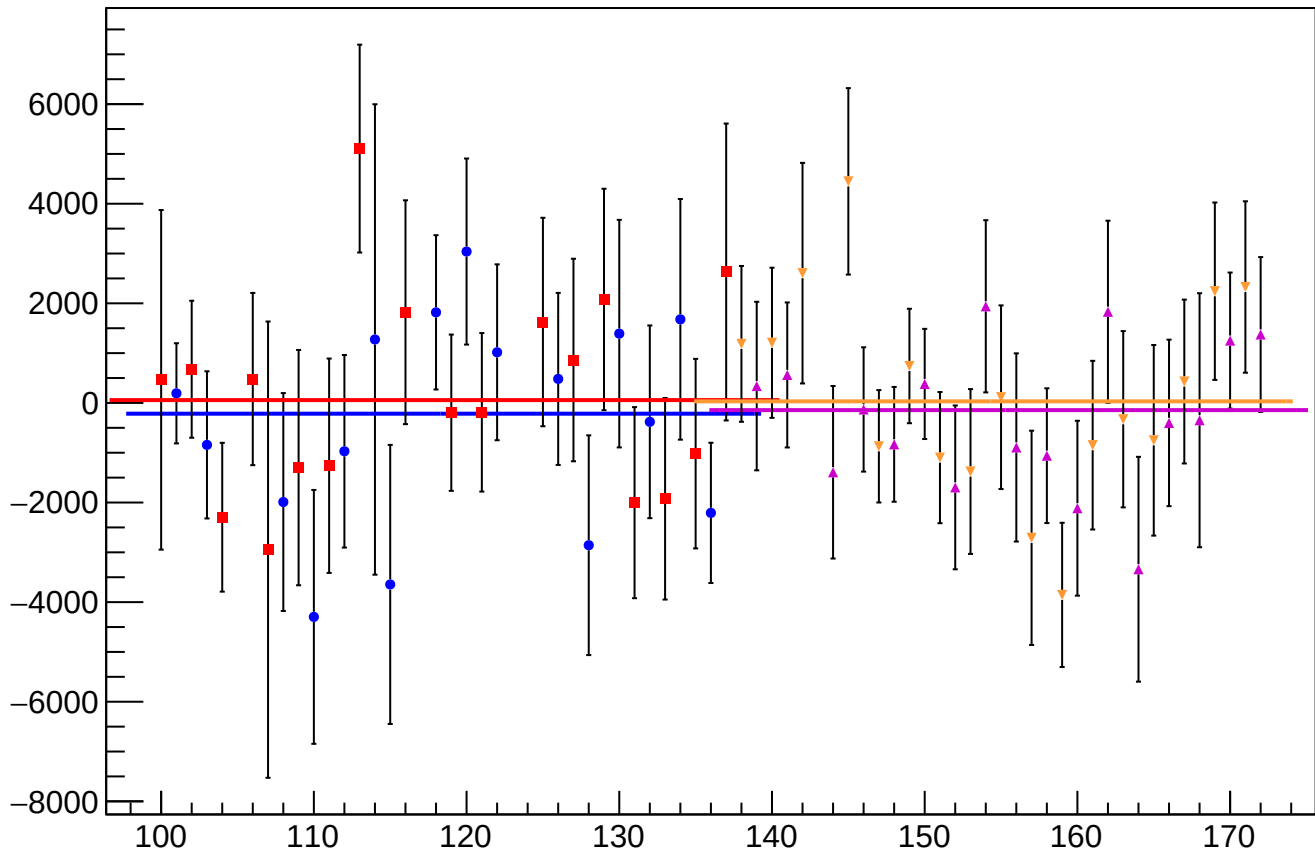
Left In: 784.584 $\pm$ 0.148 χ^2 /NDF: 4490.1/16

+ sign 784.829 $\pm$ 0.122 χ^2 /NDF: 16221.3/32

All: 785.941 $\pm$ 0.086 χ^2 /NDF: 28687.8/67

- sign 787.023 $\pm$ 0.120 χ^2 /NDF: 12302.7/34

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

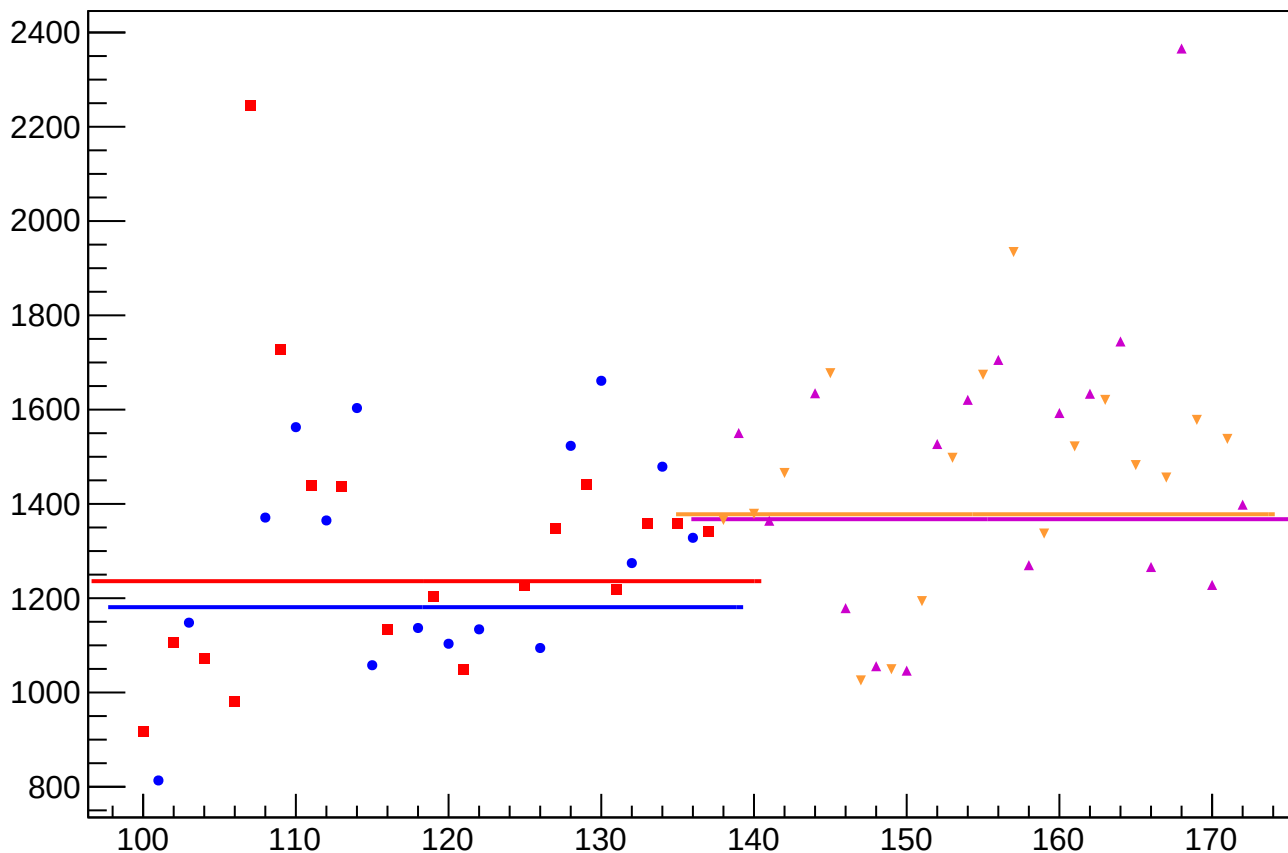
Left In: -144.448 ± 373.258 χ^2/NDF : 10.8/16

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

All: -69.105 ± 206.092 χ^2/NDF : 64.8/67

- sign -65.384 ± 290.829 χ^2/NDF : 26.1/34

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1180.995 $\pm$ 0.318 χ^2 /NDF: 571105.7/15

Left Out: 1378.068 $\pm$ 0.272 χ^2 /NDF: 754495.1/16

Right Out: 1236.131 $\pm$ 0.328 χ^2 /NDF: 397240.7/17

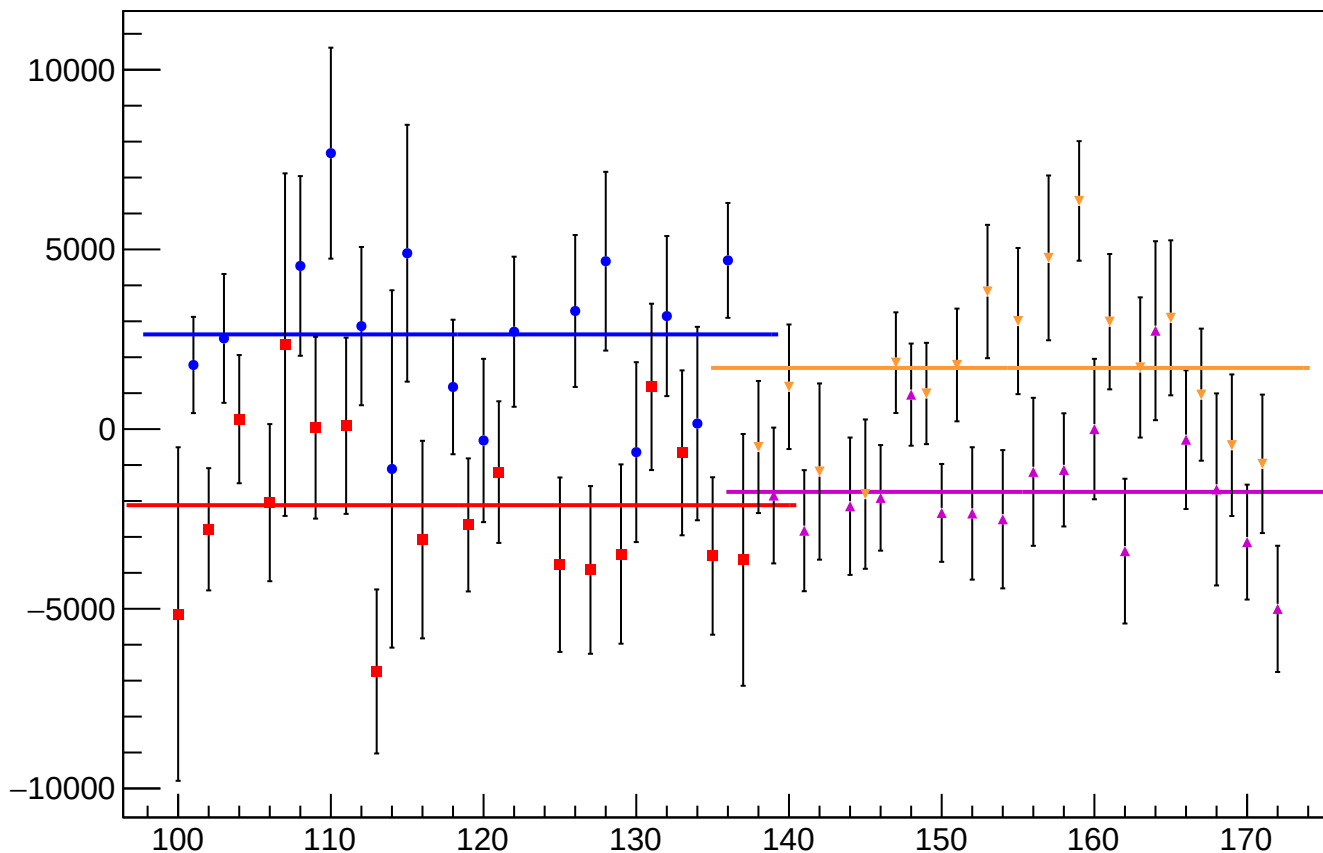
Left In: 1367.589 $\pm$ 0.264 χ^2 /NDF: 1034280.5/16

+ sign 1294.866 $\pm$ 0.207 χ^2 /NDF: 1547697.3/32

All: 1305.448 $\pm$ 0.146 χ^2 /NDF: 3081915.9/67

- sign 1315.939 $\pm$ 0.206 χ^2 /NDF: 1528991.0/34

asym_us_avg_mean vs Slug



Right In: 2635.397 $\pm$ 538.034 χ^2 /NDF: 12.3/15

Left Out: 1702.247 $\pm$ 442.259 χ^2 /NDF:21.5/16

Right Out: -2117.162 $\pm$ 547.483 χ^2 /NDF: 13.7/17

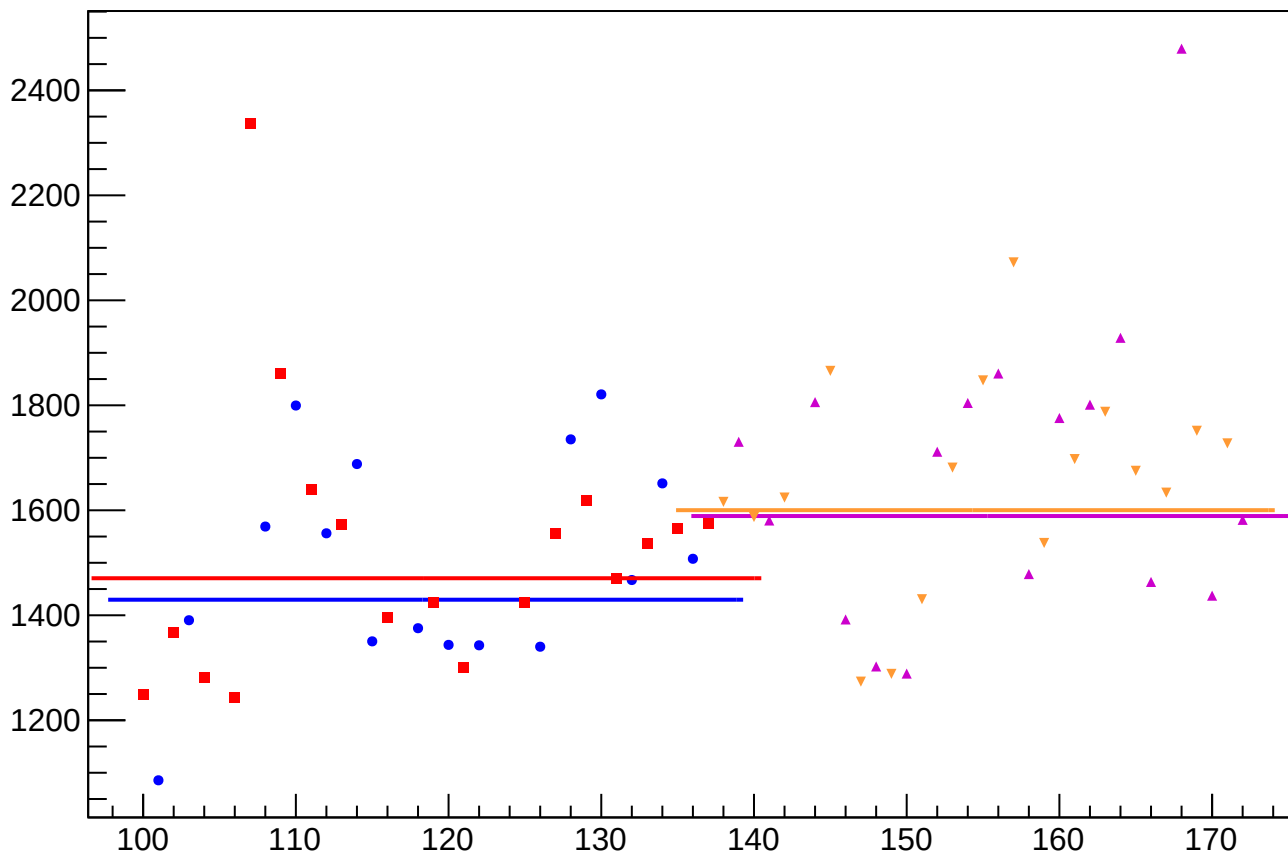
Left In: -1747.516 $\pm$ 430.261 χ^2 /NDF:14.3/16

+ sign 2078.515 $\pm$ 341.651 χ^2 /NDF: 35.6/32

All: 75.342 $\pm$ 240.388 χ^2 /NDF: 131.9/67

- sign -1888.650 $\pm$ 338.293 χ^2 /NDF: 28.3/34

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

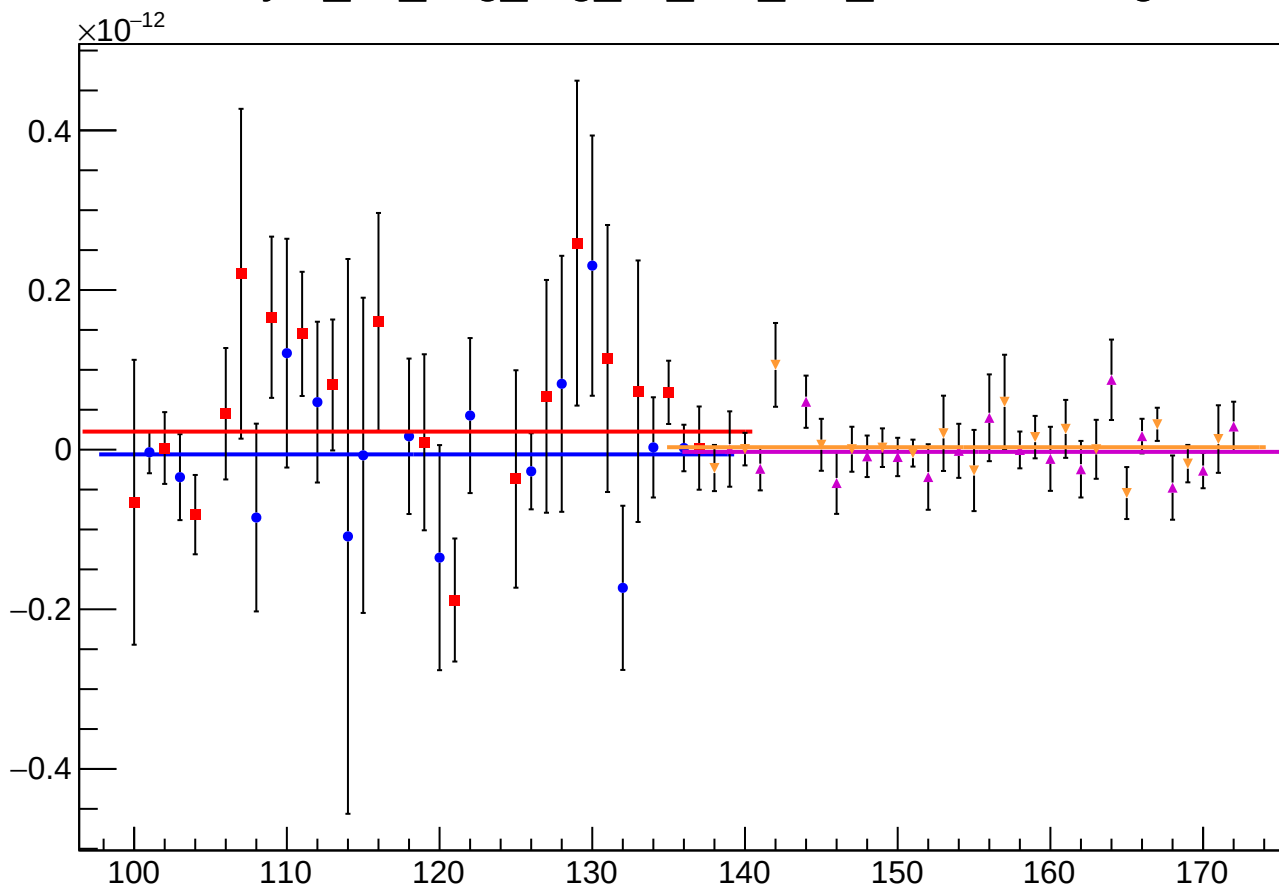
Left In: 1589.065+/-0.304 χ^2/NDF : 656263.6/16

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

All: 1537.691+/-0.170 χ^2/NDF : 1778356.4/67

- sign 1543.821+/-0.239 χ^2/NDF : 932253.5/34

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

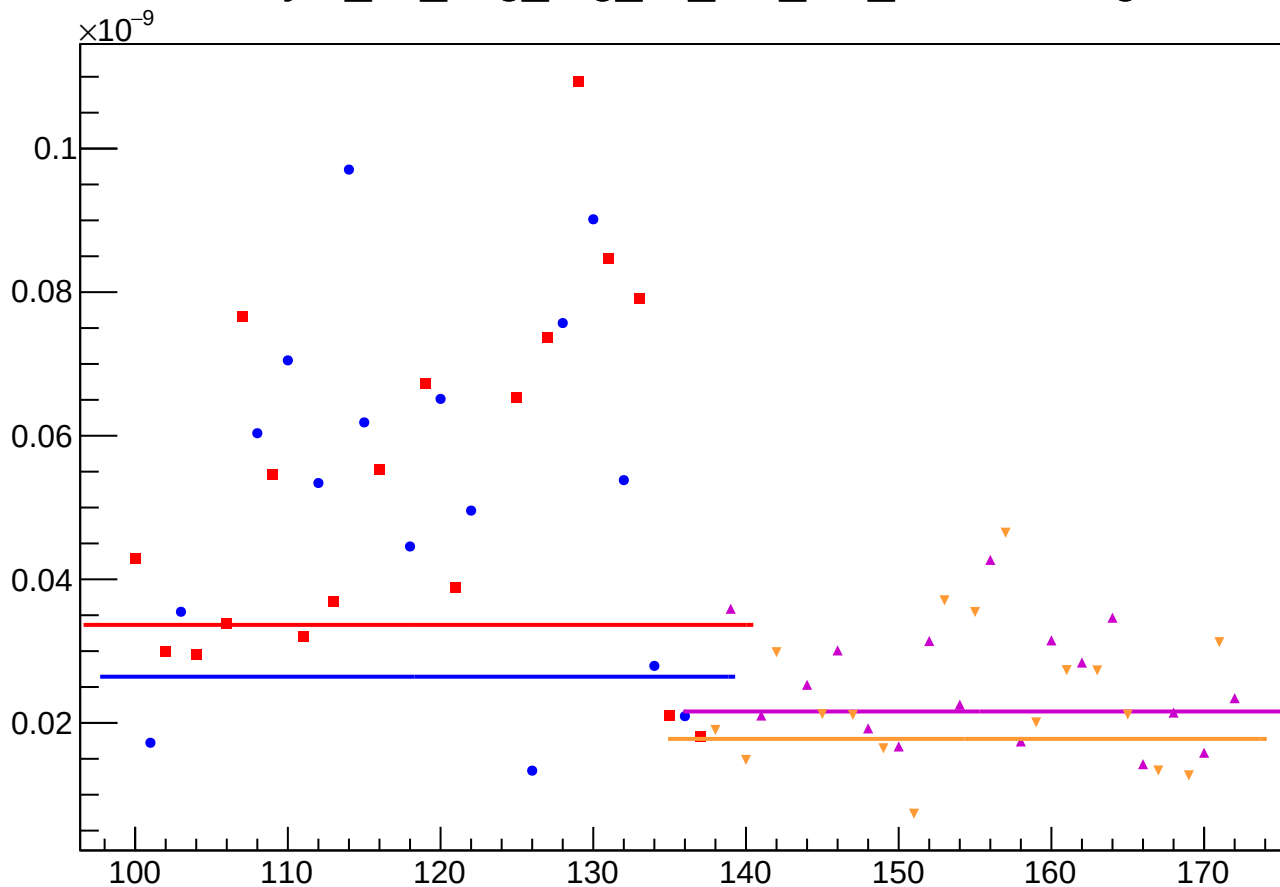
Left In: -0.000+/-0.000 χ^2/NDF :14.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 21.6/32

All: 0.000+/-0.000 χ^2/NDF : 60.9/67

- sign 0.000+/-0.000 χ^2/NDF : 39.3/34

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

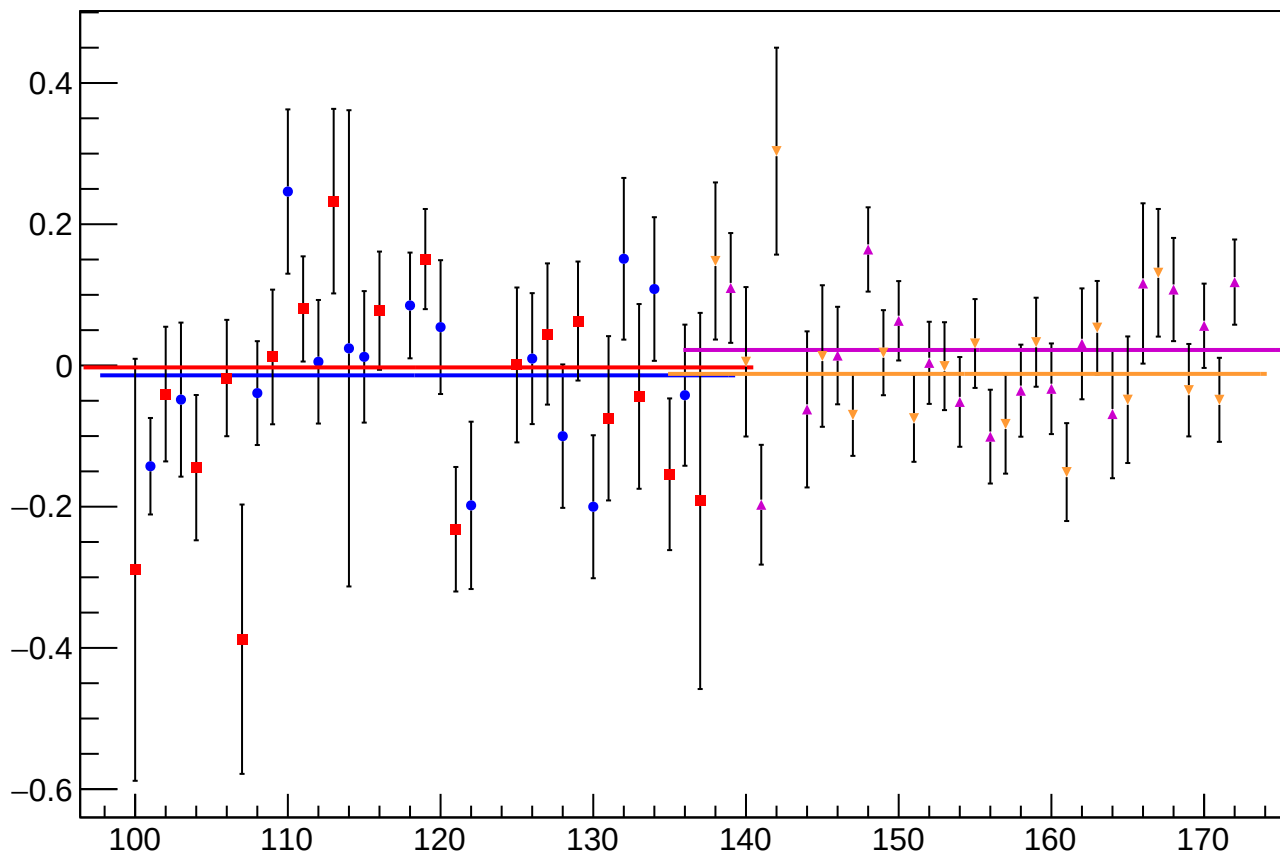
Left In: 0.000+/-0.000 χ^2/NDF : 1590642.2/16

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

All: 0.000+/-0.000 χ^2/NDF : 9829837.3/67

- sign 0.000+/-0.000 χ^2/NDF : 4055185.2/34

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

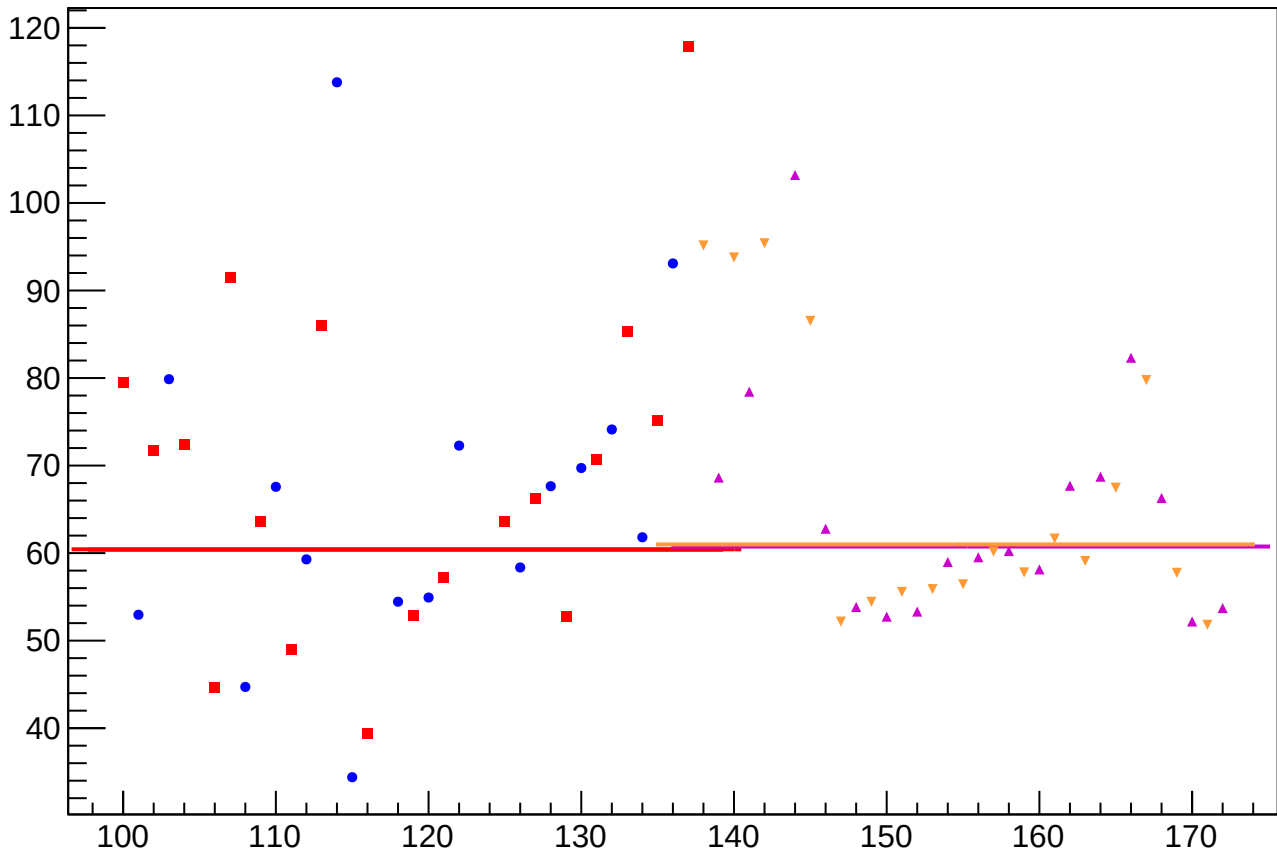
Left In: 0.022 ± 0.017 χ^2/NDF : 27.1/16

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

All: 0.001 ± 0.010 χ^2/NDF : 98.0/67

- sign 0.014 ± 0.014 χ^2/NDF : 55.5/34

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

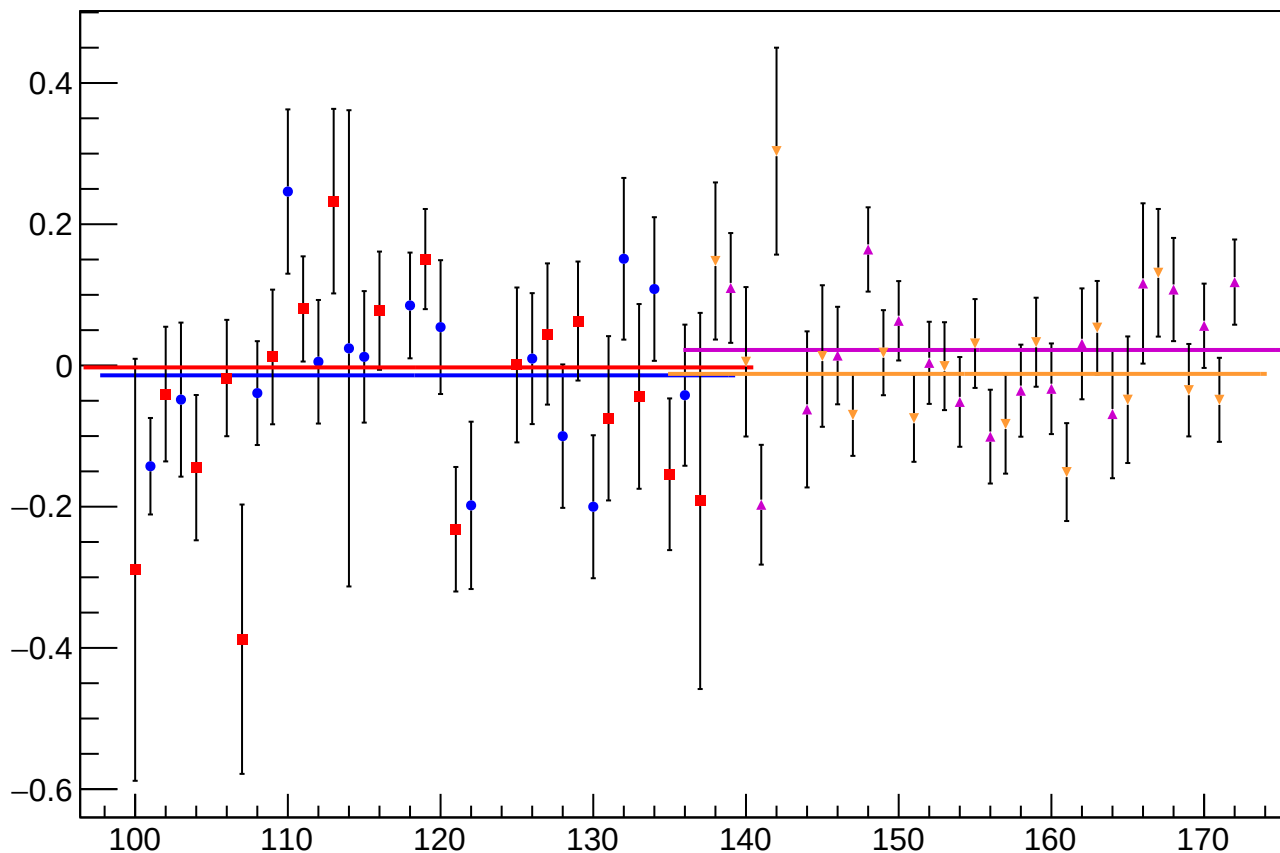
Left In: 60.750+/-0.012 χ^2/NDF : 692851.3/16

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

All: 60.714+/-0.007 χ^2/NDF : 2994636.2/67

- sign 60.645+/-0.010 χ^2/NDF : 1404180.6/34

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

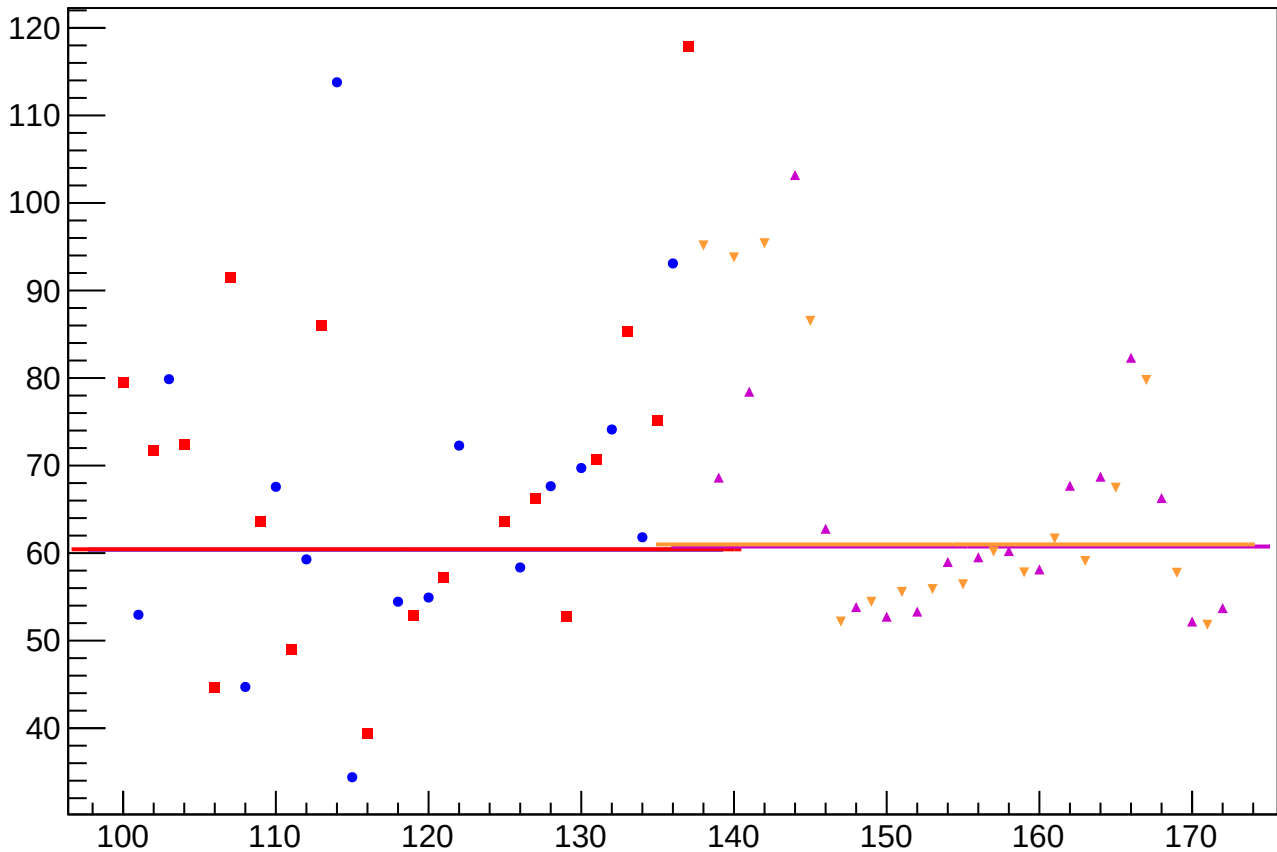
Left In: 0.022 ± 0.017 χ^2/NDF : 27.1/16

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

All: 0.001 ± 0.010 χ^2/NDF : 98.0/67

- sign 0.014 ± 0.014 χ^2/NDF : 55.5/34

asym_us_avg_dit_vs_eigen_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

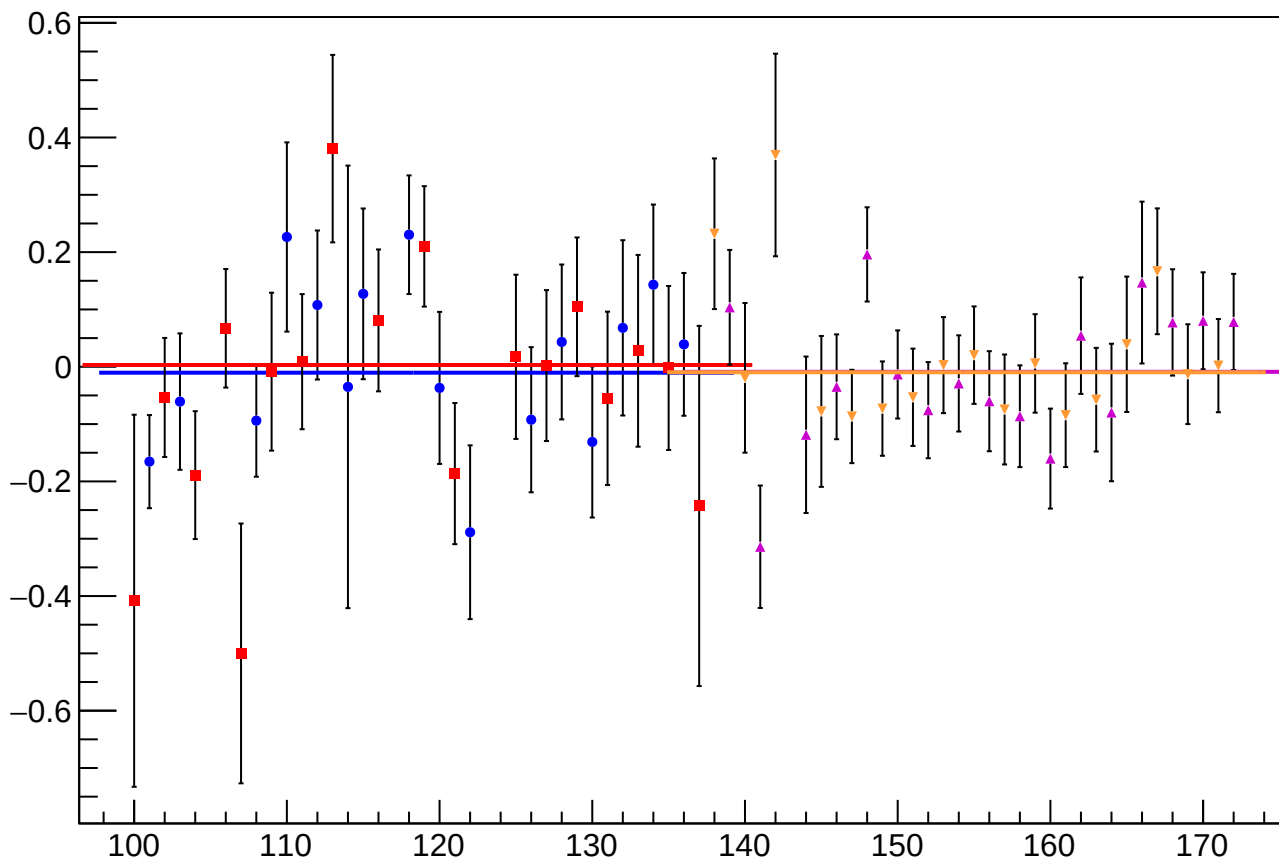
Left In: 60.750+/-0.012 χ^2/NDF : 692851.3/16

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

All: 60.714+/-0.007 χ^2/NDF : 2994636.2/67

- sign 60.645+/-0.010 χ^2/NDF : 1404180.6/34

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



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

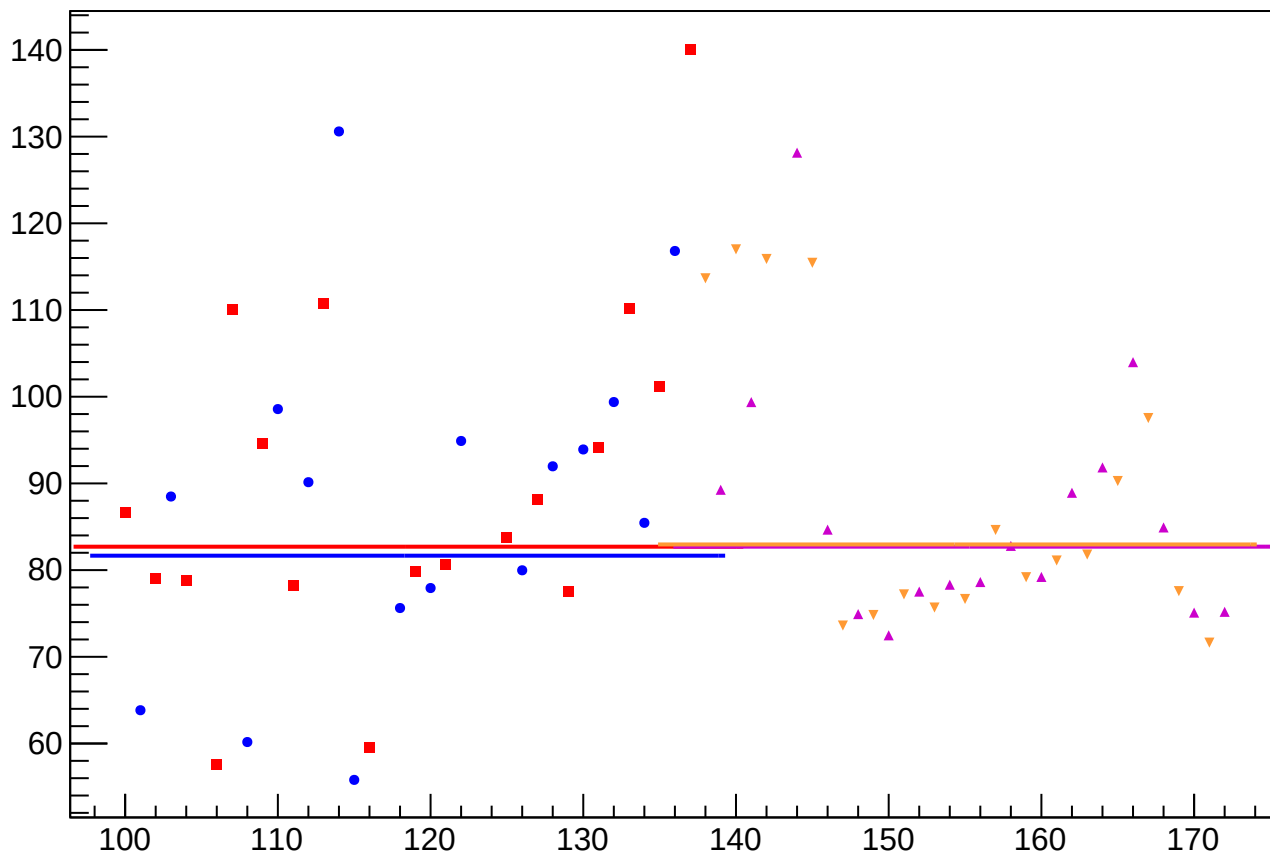
Left In: -0.009 ± 0.023 χ^2/NDF : 26.2/16

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

All: -0.007 ± 0.013 χ^2/NDF : 84.5/67

- sign -0.005 ± 0.018 χ^2/NDF : 49.9/34

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.664 $\pm$ 0.022 χ^2 /NDF: 561848.8/15

Left Out: 82.960 $\pm$ 0.016 χ^2 /NDF: 612546.9/16

Right Out: 82.701 $\pm$ 0.022 χ^2 /NDF: 473065.7/17

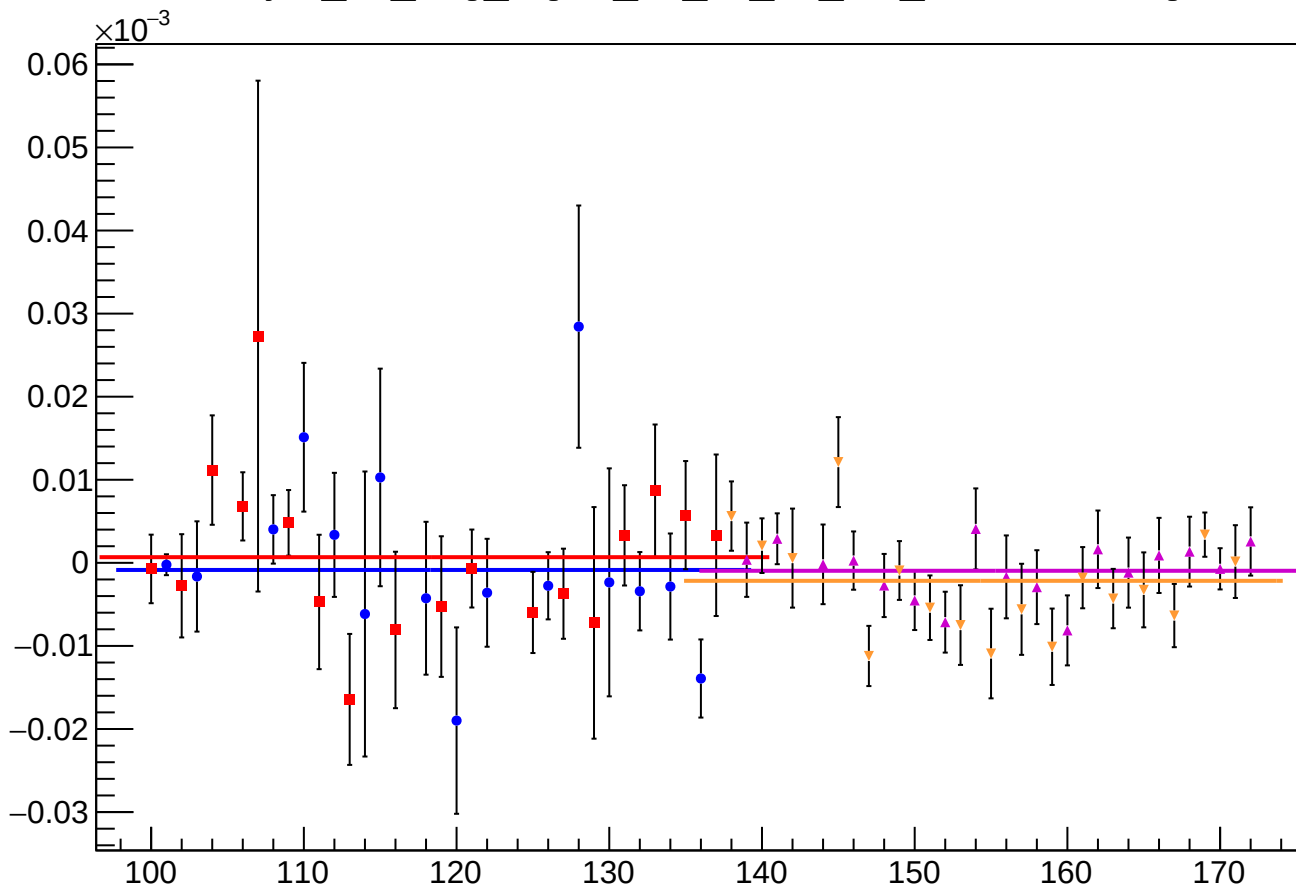
Left In: 82.705 $\pm$ 0.016 χ^2 /NDF: 451951.5/16

+ sign 82.505 $\pm$ 0.013 χ^2 /NDF: 1176578.0/32

All: 82.606 $\pm$ 0.009 χ^2 /NDF: 2101710.0/67

- sign 82.704 $\pm$ 0.013 χ^2 /NDF: 925017.3/34

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/17

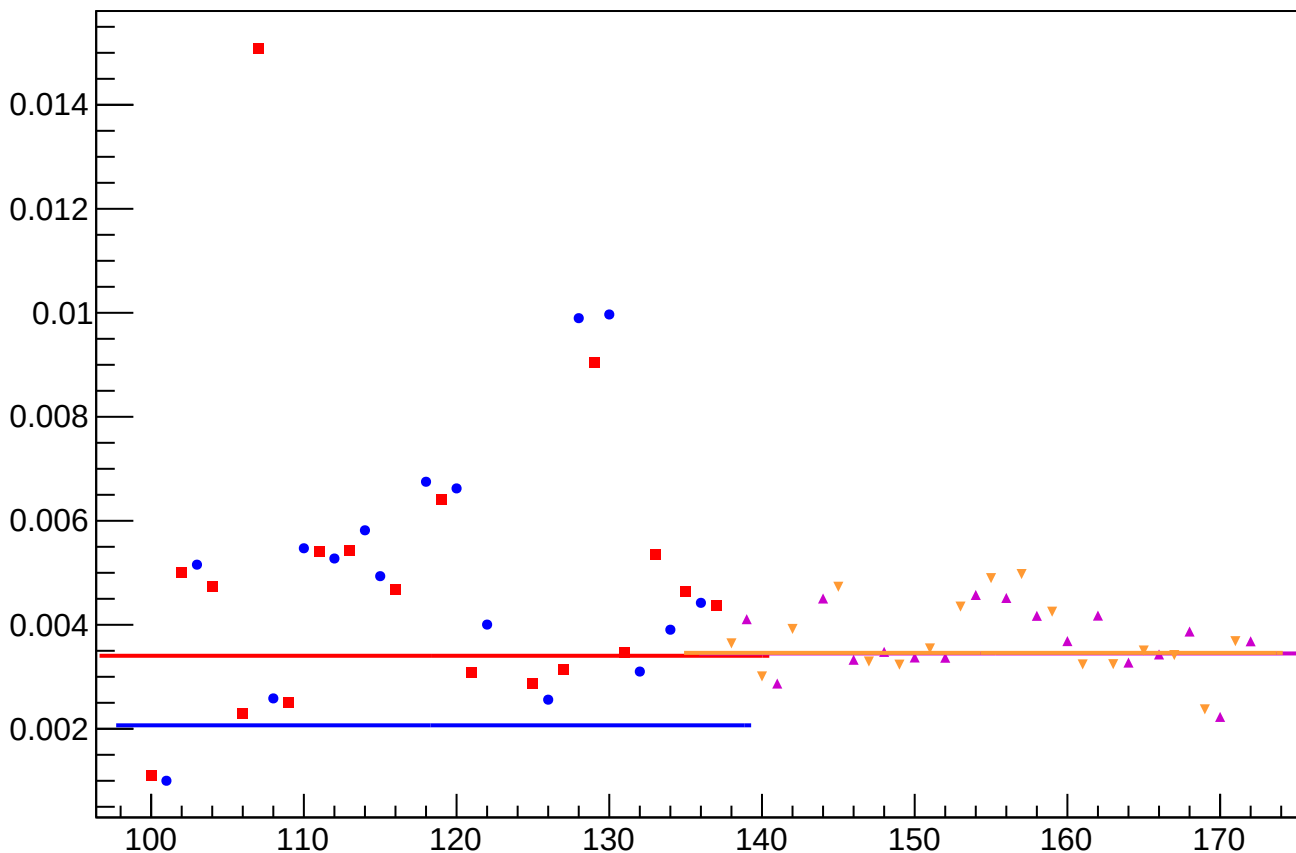
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/16

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

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 87.0/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/34

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

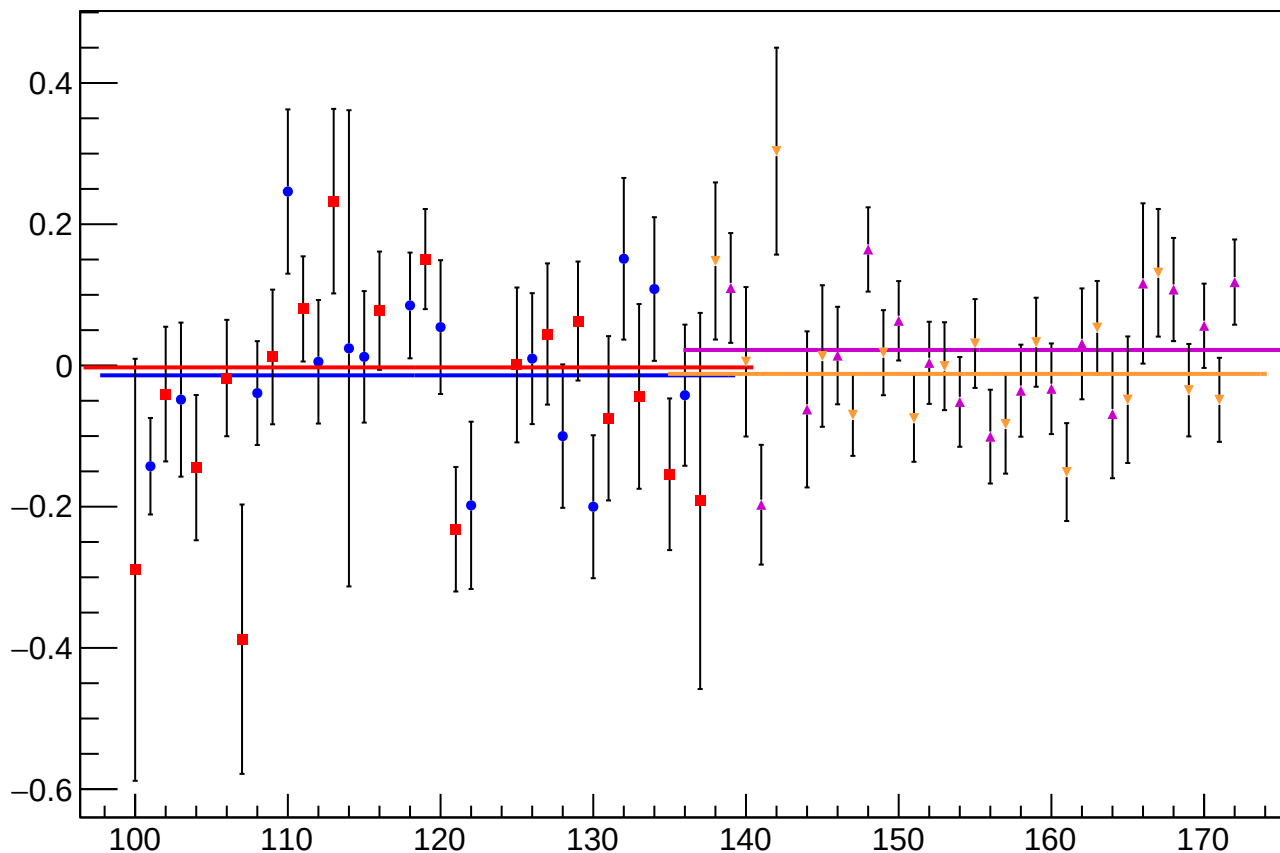
Left In: 0.003+/-0.000 χ^2/NDF :1036423.4/16

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

All: 0.003+/-0.000 χ^2/NDF : 13028295.8/67

- sign 0.003+/-0.000 χ^2/NDF : 3529084.4/34

asym_us_avg_eigen_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

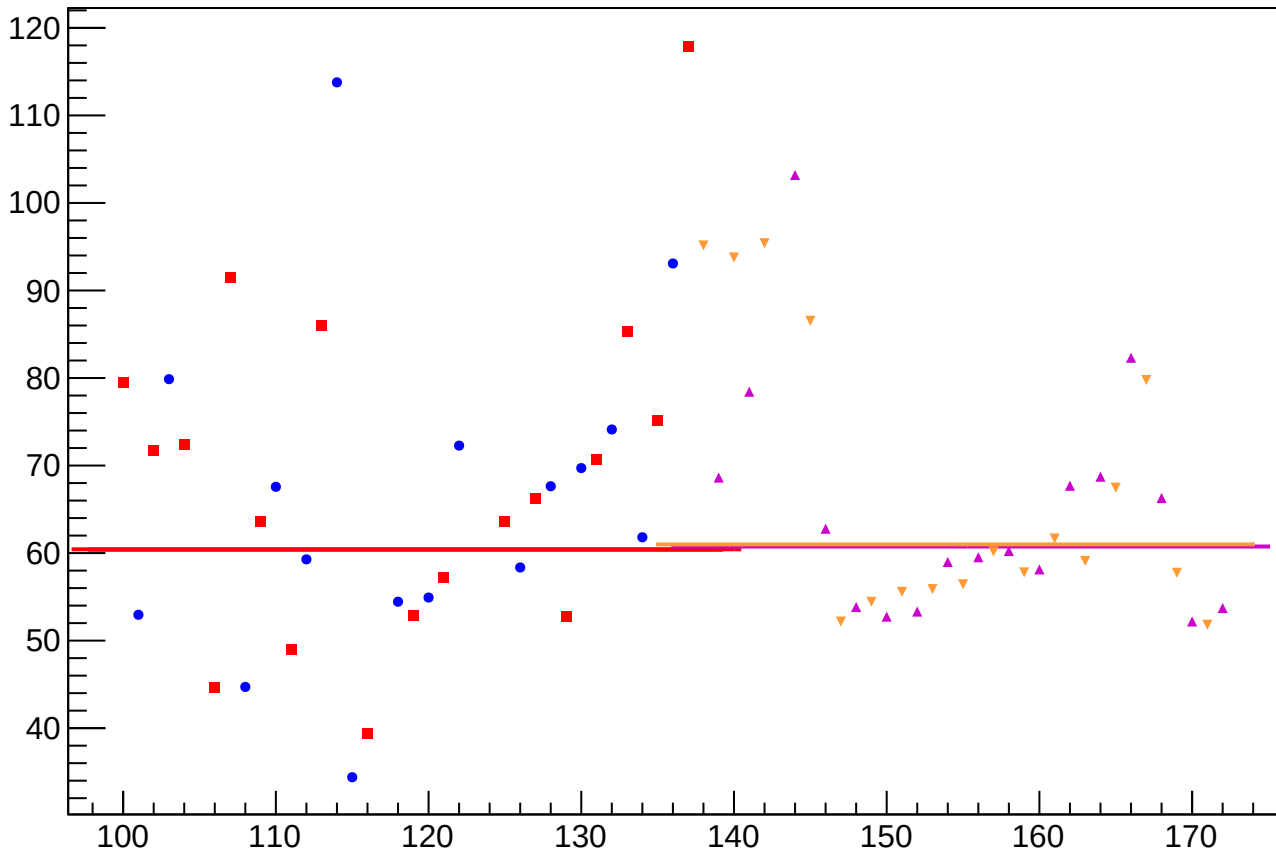
Left In: 0.022 ± 0.017 χ^2/NDF : 27.1/16

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

All: 0.001 ± 0.010 χ^2/NDF : 98.0/67

- sign 0.014 ± 0.014 χ^2/NDF : 55.5/34

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.398 $\pm$ 0.017 χ^2 /NDF: 703169.3/15

Left Out: 60.992 $\pm$ 0.012 χ^2 /NDF: 886384.1/16

Right Out: 60.432 $\pm$ 0.017 χ^2 /NDF: 711122.4/17

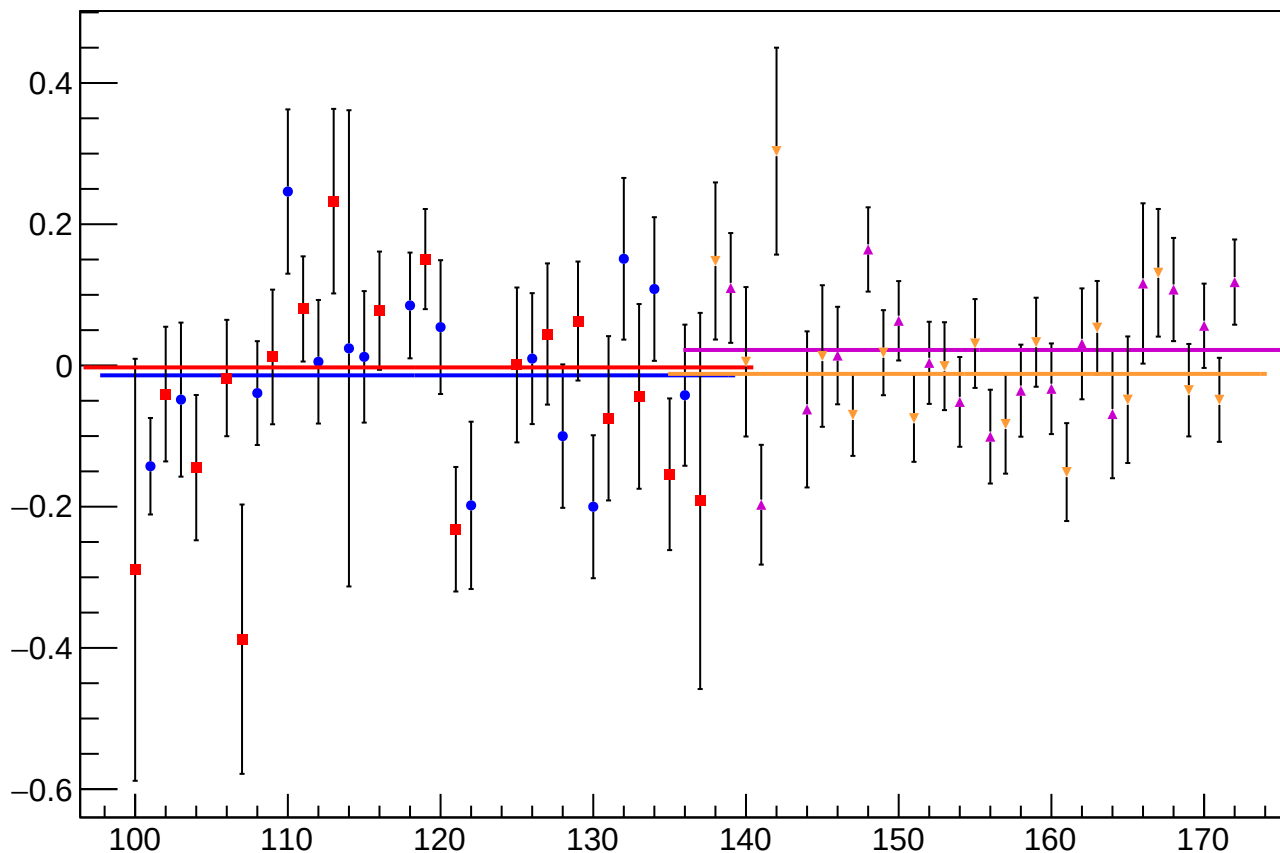
Left In: 60.751 $\pm$ 0.012 χ^2 /NDF: 692840.4/16

+ sign 60.787 $\pm$ 0.010 χ^2 /NDF: 1590364.8/32

All: 60.714 $\pm$ 0.007 χ^2 /NDF: 2994670.6/67

- sign 60.645 $\pm$ 0.010 χ^2 /NDF: 1404201.6/34

asym_us_avg_eigen_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

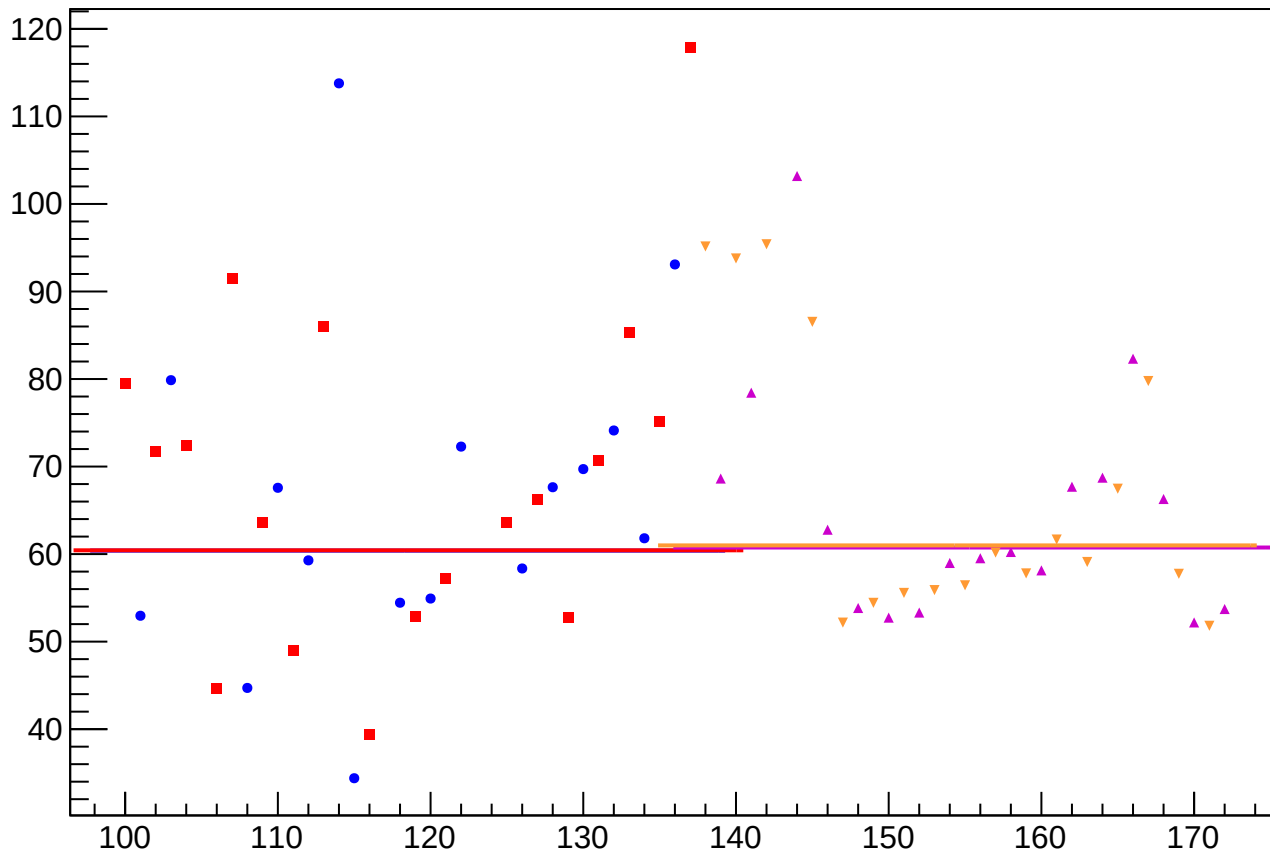
Left In: 0.022 ± 0.017 χ^2/NDF : 27.1/16

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

All: 0.001 ± 0.010 χ^2/NDF : 98.0/67

- sign 0.014 ± 0.014 χ^2/NDF : 55.5/34

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

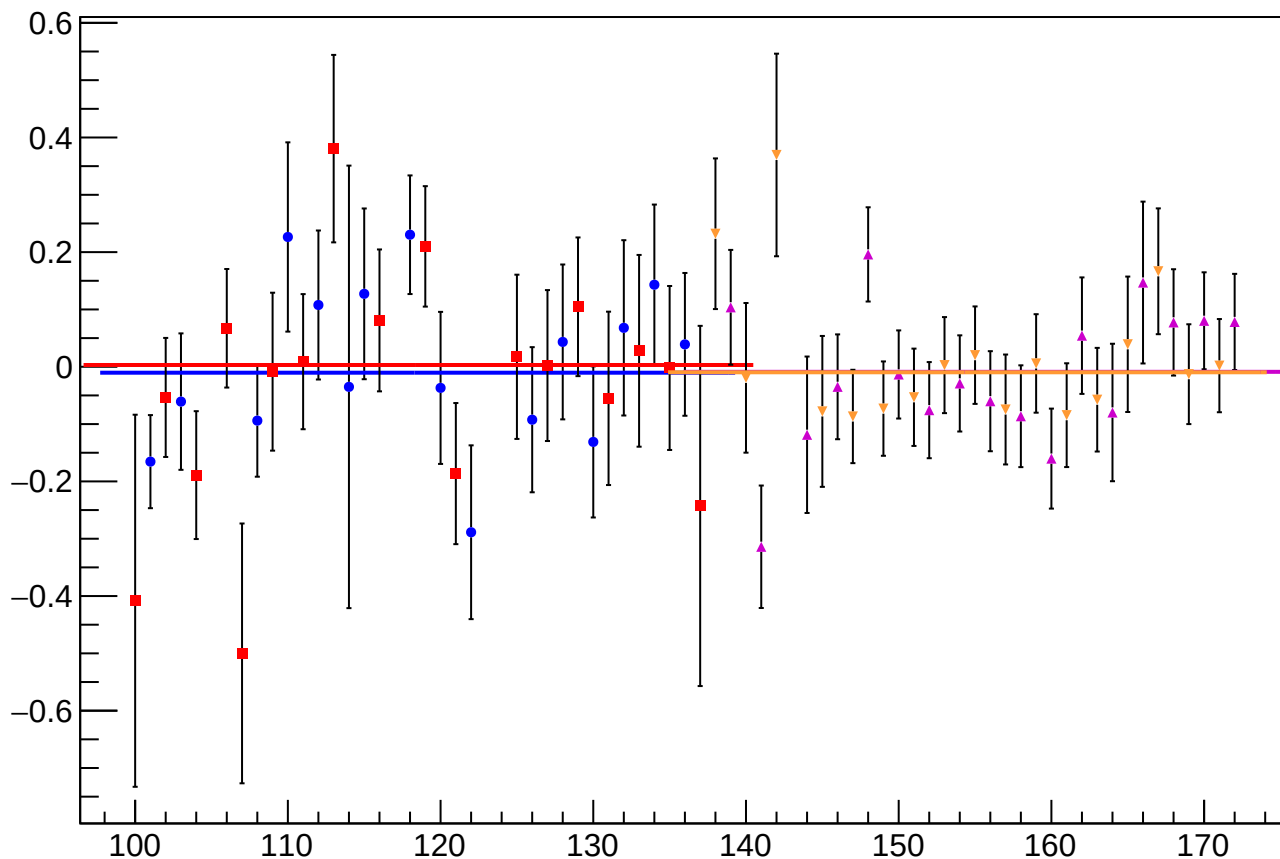
Left In: 60.751+/-0.012 χ^2/NDF : 692840.4/16

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

All: 60.714+/-0.007 χ^2/NDF : 2994670.6/67

- sign 60.645+/-0.010 χ^2/NDF : 1404201.6/34

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010 $\pm$ 0.032 χ^2/NDF : 20.2/15

Left Out: -0.010 $\pm$ 0.023 χ^2/NDF : 14.4/16

Right Out: 0.003 $\pm$ 0.032 χ^2/NDF : 23.7/17

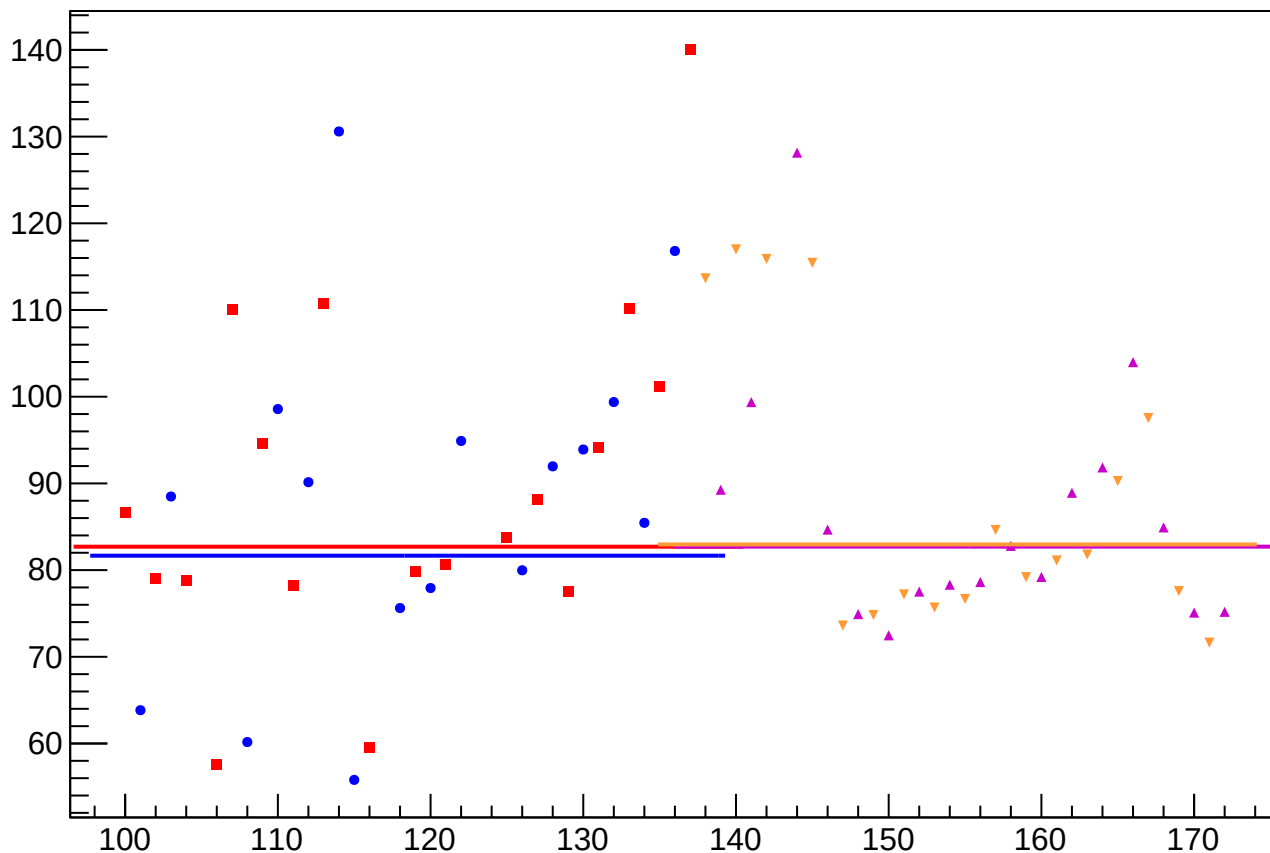
Left In: -0.009 $\pm$ 0.023 χ^2/NDF : 26.2/16

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

All: -0.007 $\pm$ 0.013 χ^2/NDF : 84.5/67

- sign -0.005 $\pm$ 0.018 χ^2/NDF : 49.9/34

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.663 $\pm$ 0.022 χ^2 /NDF: 561836.4/15

Left Out: 82.960 $\pm$ 0.016 χ^2 /NDF: 612544.6/16

Right Out: 82.700 $\pm$ 0.022 χ^2 /NDF: 473062.4/17

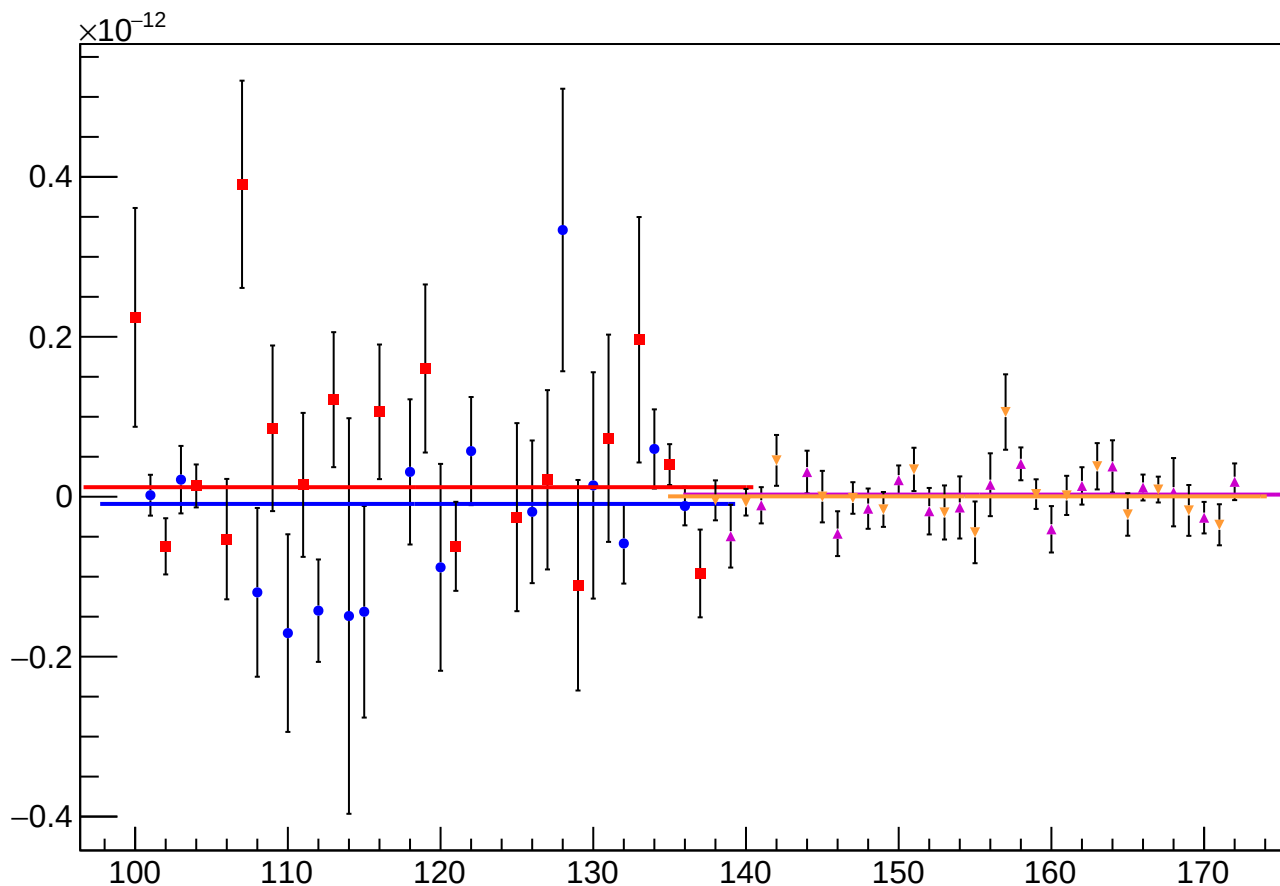
Left In: 82.705 $\pm$ 0.016 χ^2 /NDF: 451948.2/16

+ sign 82.505 $\pm$ 0.013 χ^2 /NDF: 1176567.0/32

All: 82.606 $\pm$ 0.009 χ^2 /NDF: 2101692.3/67

- sign 82.703 $\pm$ 0.013 χ^2 /NDF: 925010.6/34

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/17

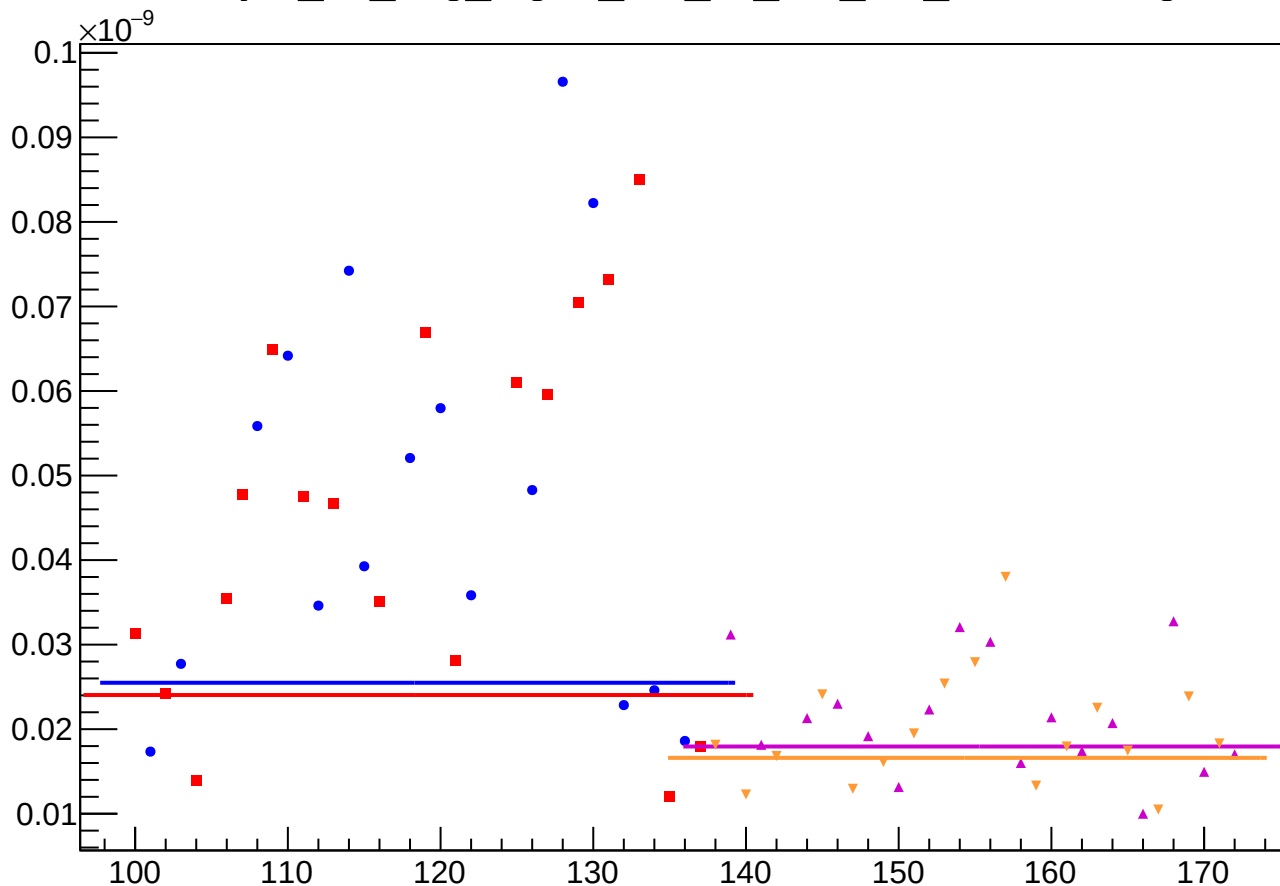
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/16

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

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.4/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.0/34

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

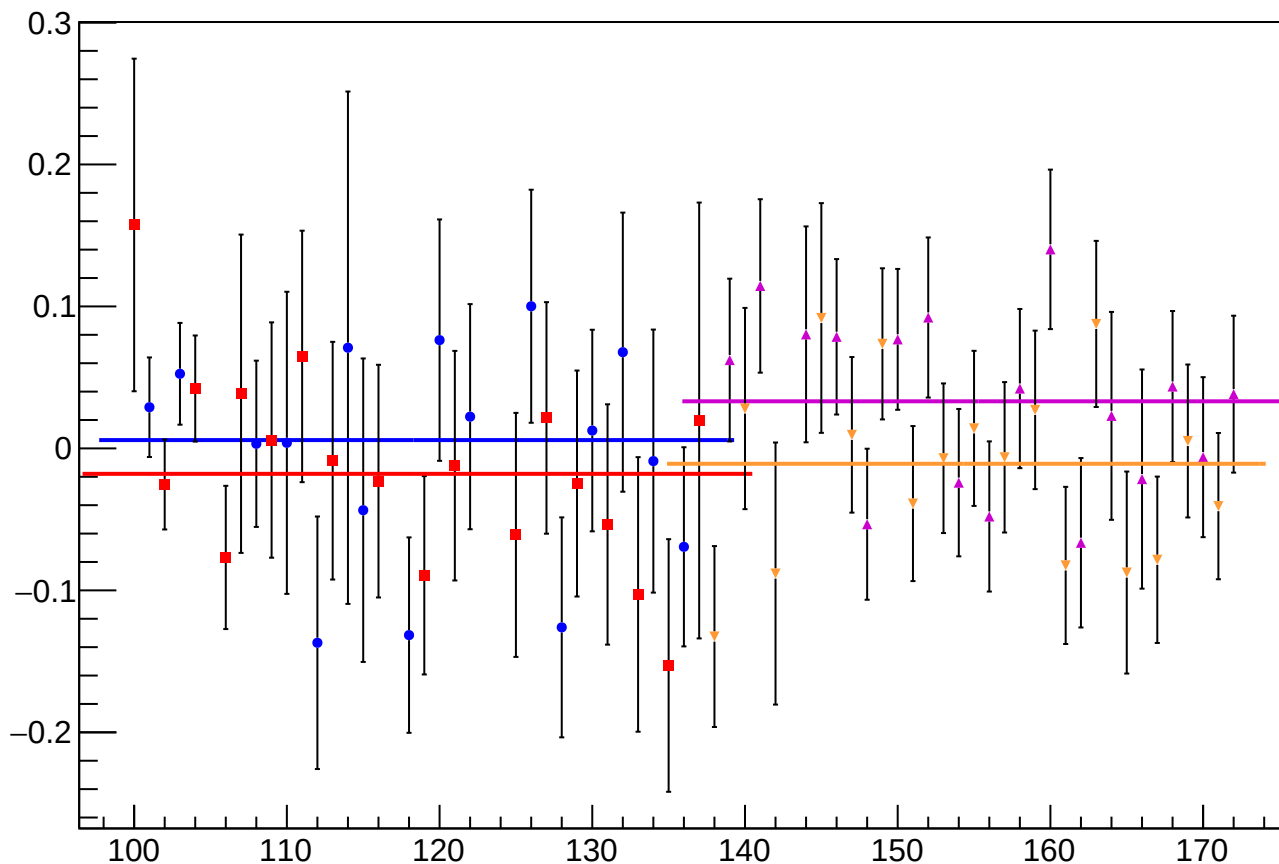
Left In: 0.000+/-0.000 χ^2/NDF : 1806702.2/16

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

All: 0.000+/-0.000 χ^2/NDF : 9629261.4/67

- sign 0.000+/-0.000 χ^2/NDF : 5234866.2/34

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.017 χ^2 /NDF: 15.6/15

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF:17.3/16

Right Out: -0.018 $\pm$ 0.016 χ^2 /NDF: 12.3/17

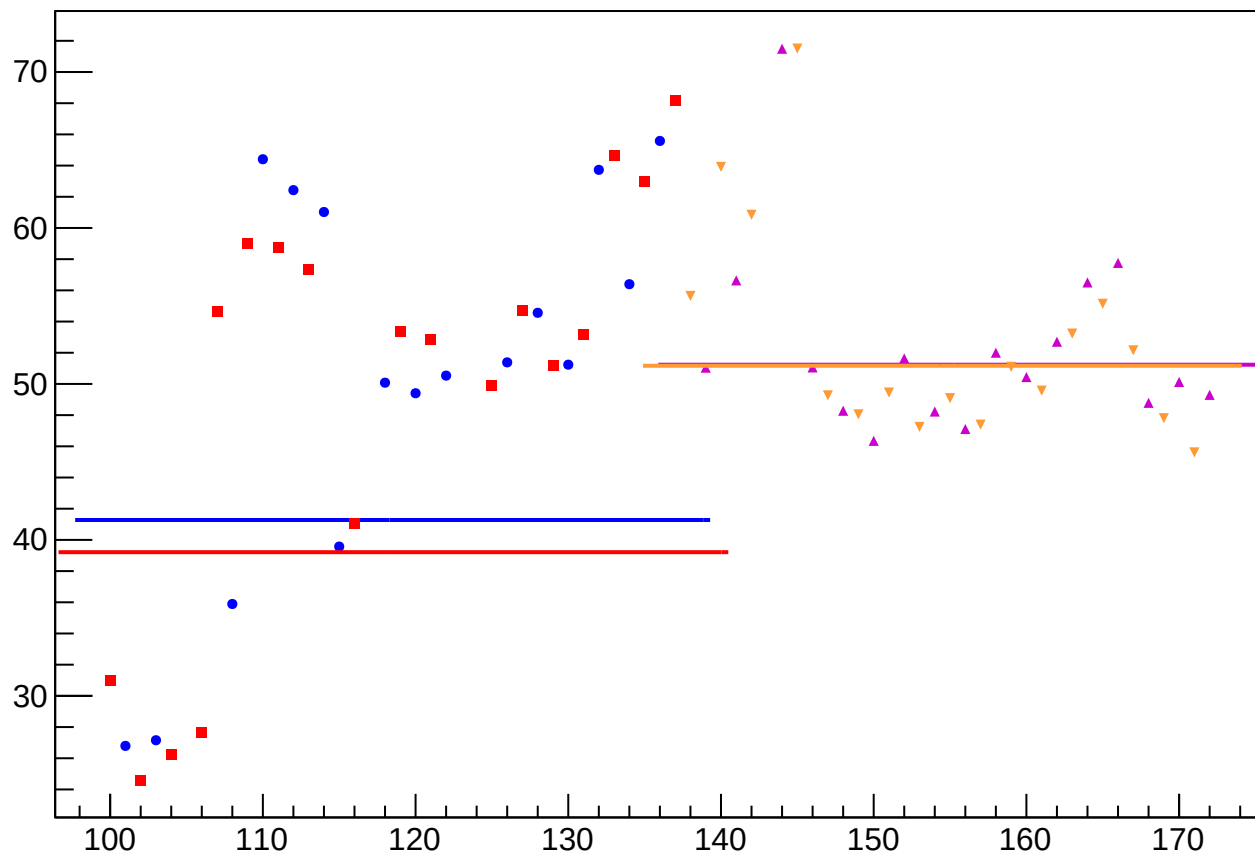
Left In: 0.033 $\pm$ 0.014 χ^2 /NDF:18.7/16

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

All: 0.004 $\pm$ 0.007 χ^2 /NDF: 71.3/67

- sign 0.011 $\pm$ 0.010 χ^2 /NDF: 36.9/34

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 41.277 $\pm$ 0.012 χ^2 /NDF: 1505245.8/15

Left Out: 51.167 $\pm$ 0.010 χ^2 /NDF: 300344.3/16

Right Out: 39.212 $\pm$ 0.011 χ^2 /NDF: 1819921.9/17

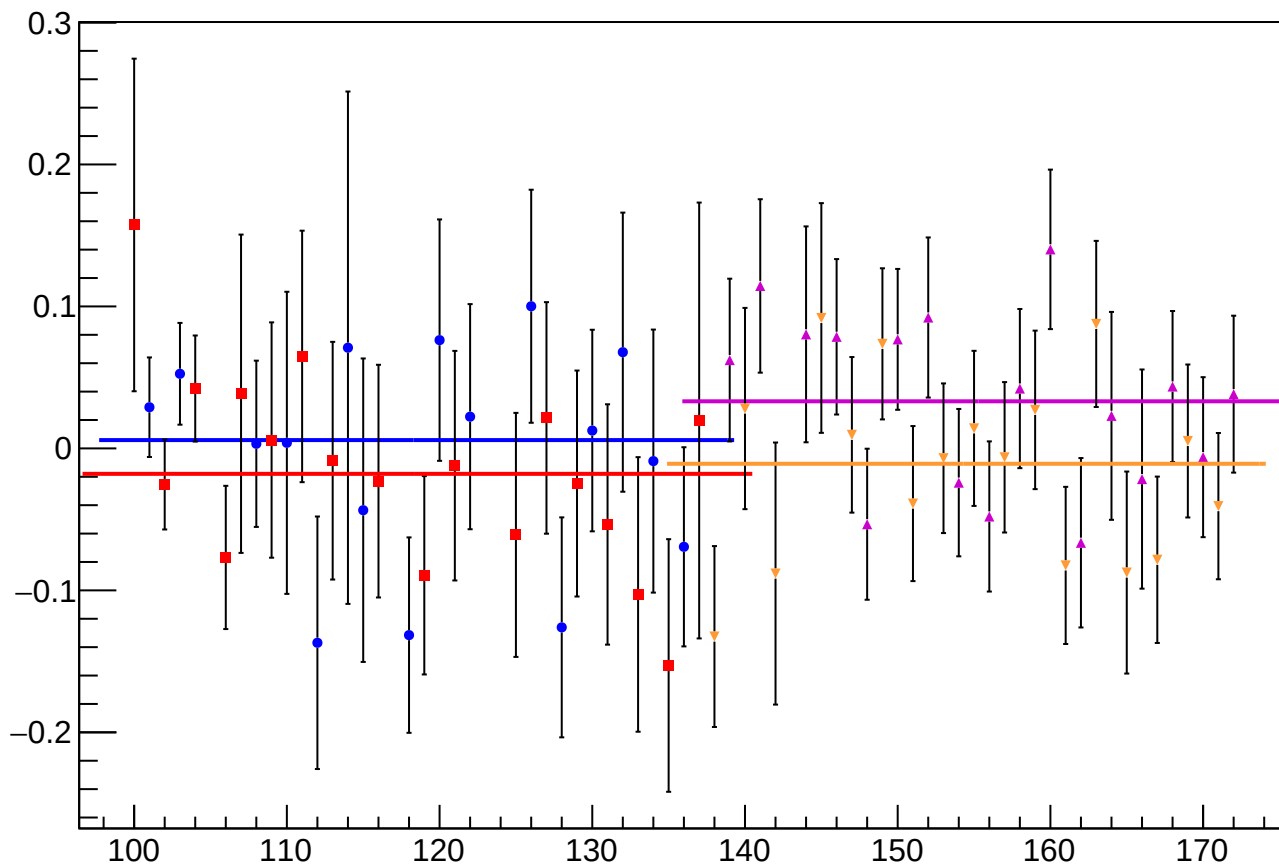
Left In: 51.232 $\pm$ 0.010 χ^2 /NDF: 236290.3/16

+ sign 46.956 $\pm$ 0.008 χ^2 /NDF: 2216916.5/32

All: 46.435 $\pm$ 0.005 χ^2 /NDF: 4936225.5/67

- sign 45.947 $\pm$ 0.007 χ^2 /NDF: 2710274.7/34

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.017 χ^2 /NDF: 15.6/15

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF:17.3/16

Right Out: -0.018 $\pm$ 0.016 χ^2 /NDF: 12.3/17

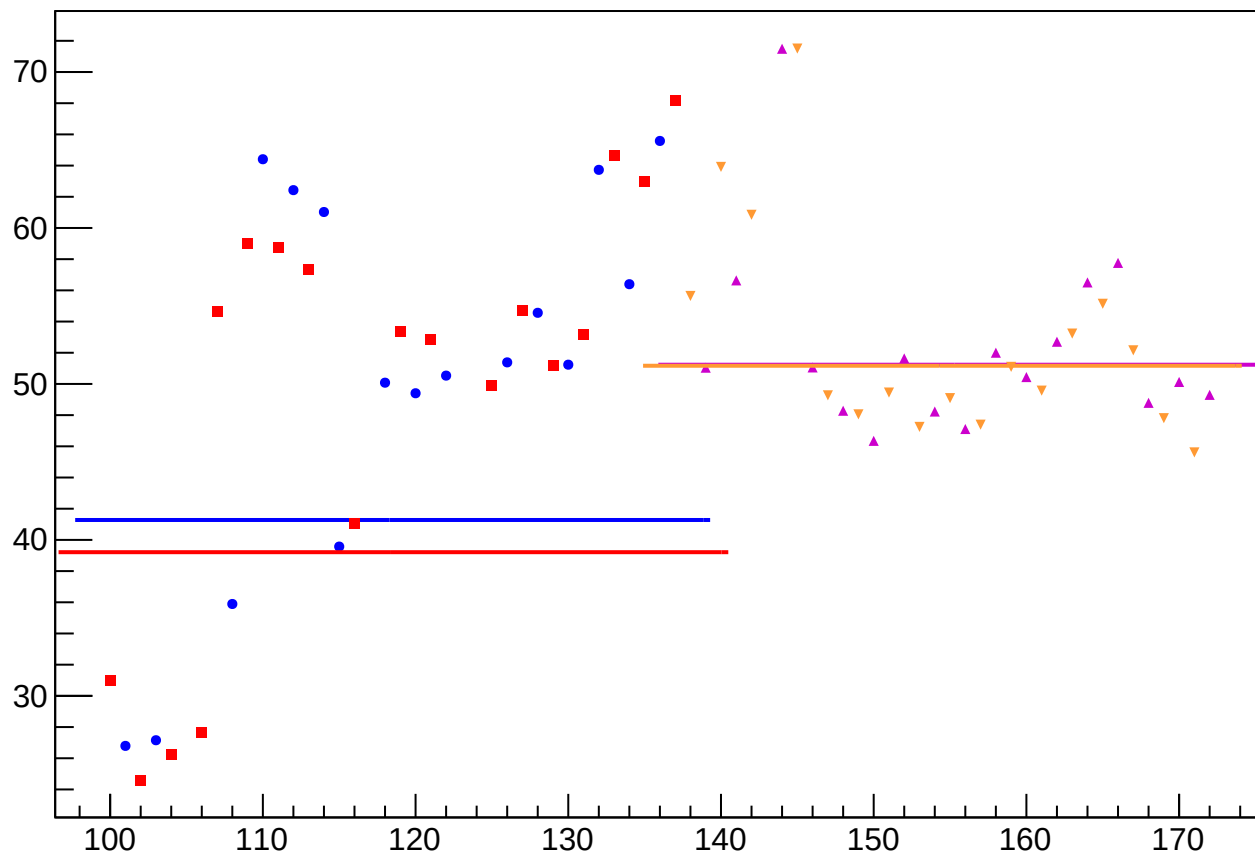
Left In: 0.033 $\pm$ 0.014 χ^2 /NDF:18.7/16

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

All: 0.004 $\pm$ 0.007 χ^2 /NDF: 71.3/67

- sign 0.011 $\pm$ 0.010 χ^2 /NDF: 36.9/34

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 41.277 $\pm$ 0.012 χ^2 /NDF: 1505245.8/15

Left Out: 51.167 $\pm$ 0.010 χ^2 /NDF: 300344.3/16

Right Out: 39.212 $\pm$ 0.011 χ^2 /NDF: 1819921.9/17

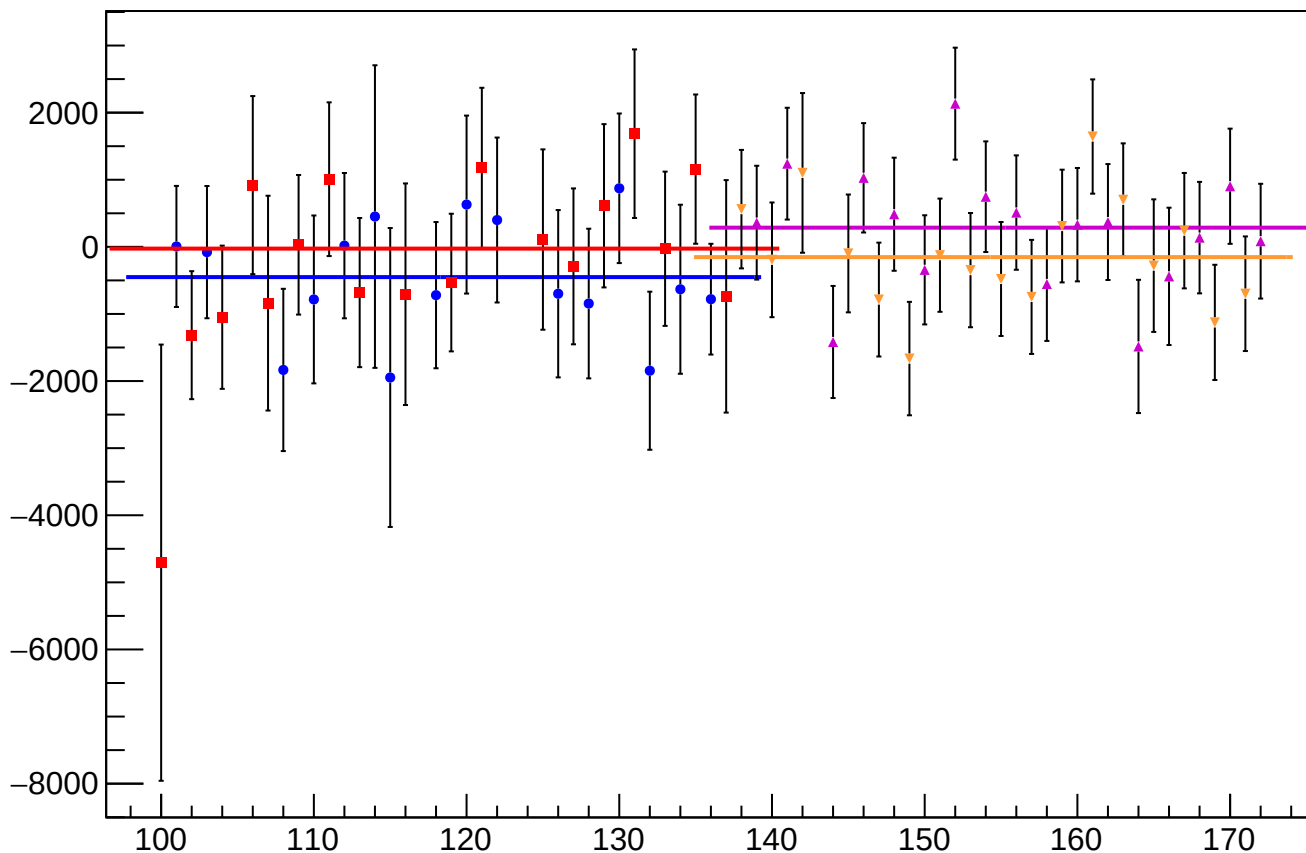
Left In: 51.232 $\pm$ 0.010 χ^2 /NDF: 236290.3/16

+ sign 46.956 $\pm$ 0.008 χ^2 /NDF: 2216916.5/32

All: 46.435 $\pm$ 0.005 χ^2 /NDF: 4936225.5/67

- sign 45.947 $\pm$ 0.007 χ^2 /NDF: 2710274.7/34

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

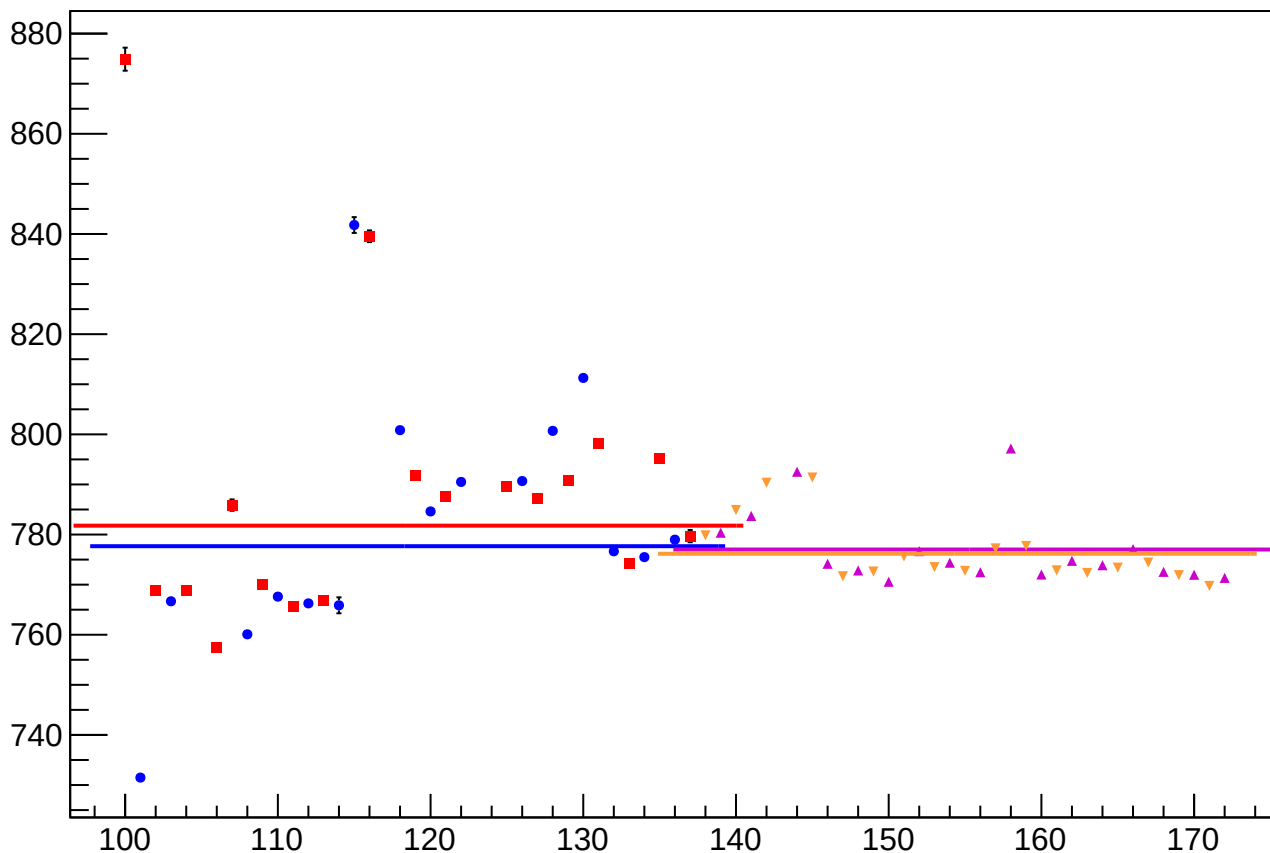
Left In: 285.792 ± 207.412 χ^2/NDF : 17.5/16

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

All: -35.746 ± 119.877 χ^2/NDF : 54.9/67

- sign 179.313 ± 168.323 χ^2/NDF : 30.0/34

reg_asym_us_dd_rms vs Slug



Right In: 777.674 $\pm$ 0.204 χ^2 /NDF: 12055.4/15

Left Out: 776.163 $\pm$ 0.150 χ^2 /NDF: 1541.3/16

Right Out: 781.777 $\pm$ 0.204 χ^2 /NDF: 7626.3/17

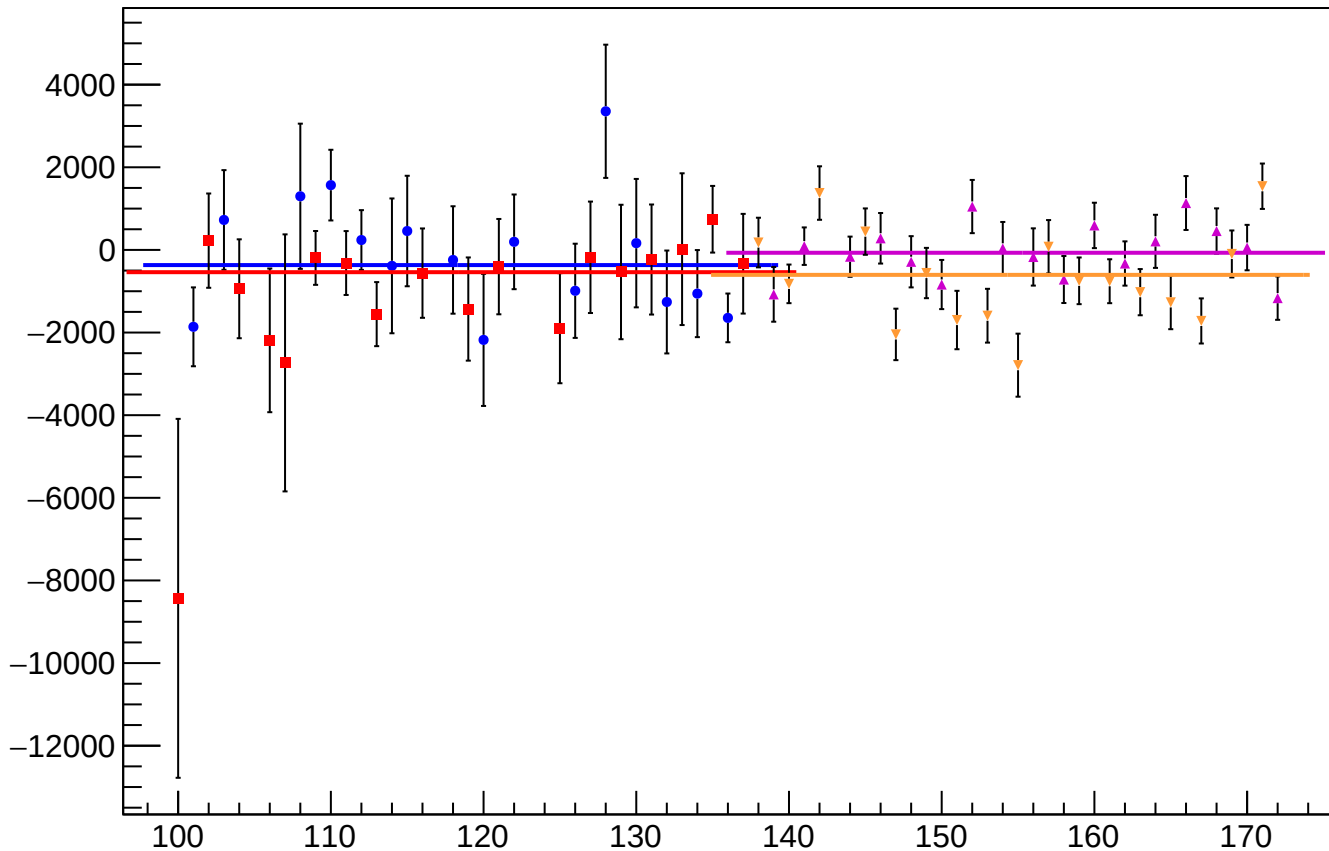
Left In: 777.011 $\pm$ 0.147 χ^2 /NDF: 2574.5/16

+ sign 776.691 $\pm$ 0.121 χ^2 /NDF: 13632.3/32

All: 777.679 $\pm$ 0.085 χ^2 /NDF: 24325.5/67

- sign 778.638 $\pm$ 0.119 χ^2 /NDF: 10561.3/34

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

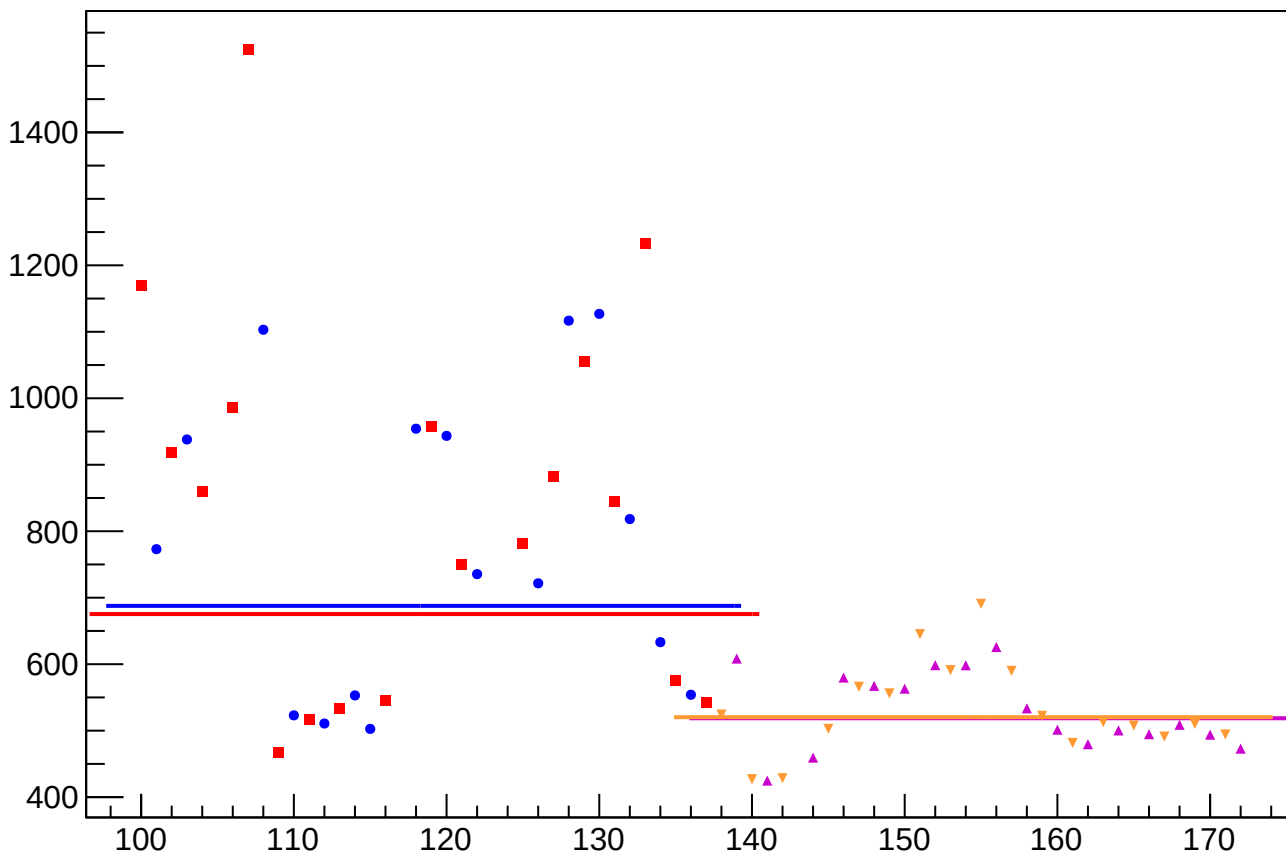
Left In: -69.006 ± 139.590 χ^2/NDF : 19.6/16

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

All: -357.052 ± 88.208 χ^2/NDF : 118.3/67

- sign -172.338 ± 123.290 χ^2/NDF : 33.7/34

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

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

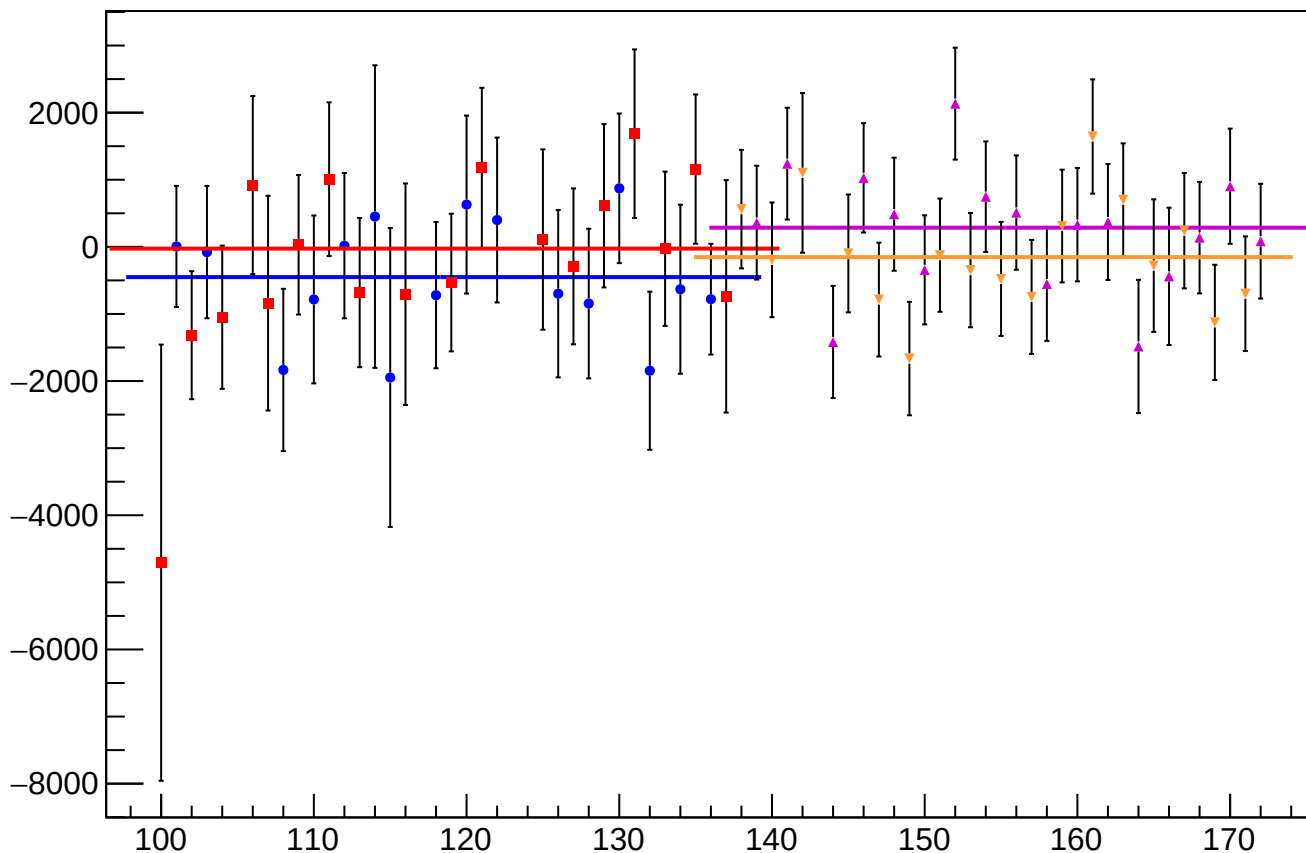
Right Out: 675.410 ± 0.186 χ^2/NDF : 1313004.6/17

All: 555.400 ± 0.062 χ^2/NDF : 4227455.1/67

Left In: 518.650 ± 0.099 χ^2/NDF : 343089.0/16

- sign 553.123 ± 0.087 χ^2/NDF : 2210766.0/34

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

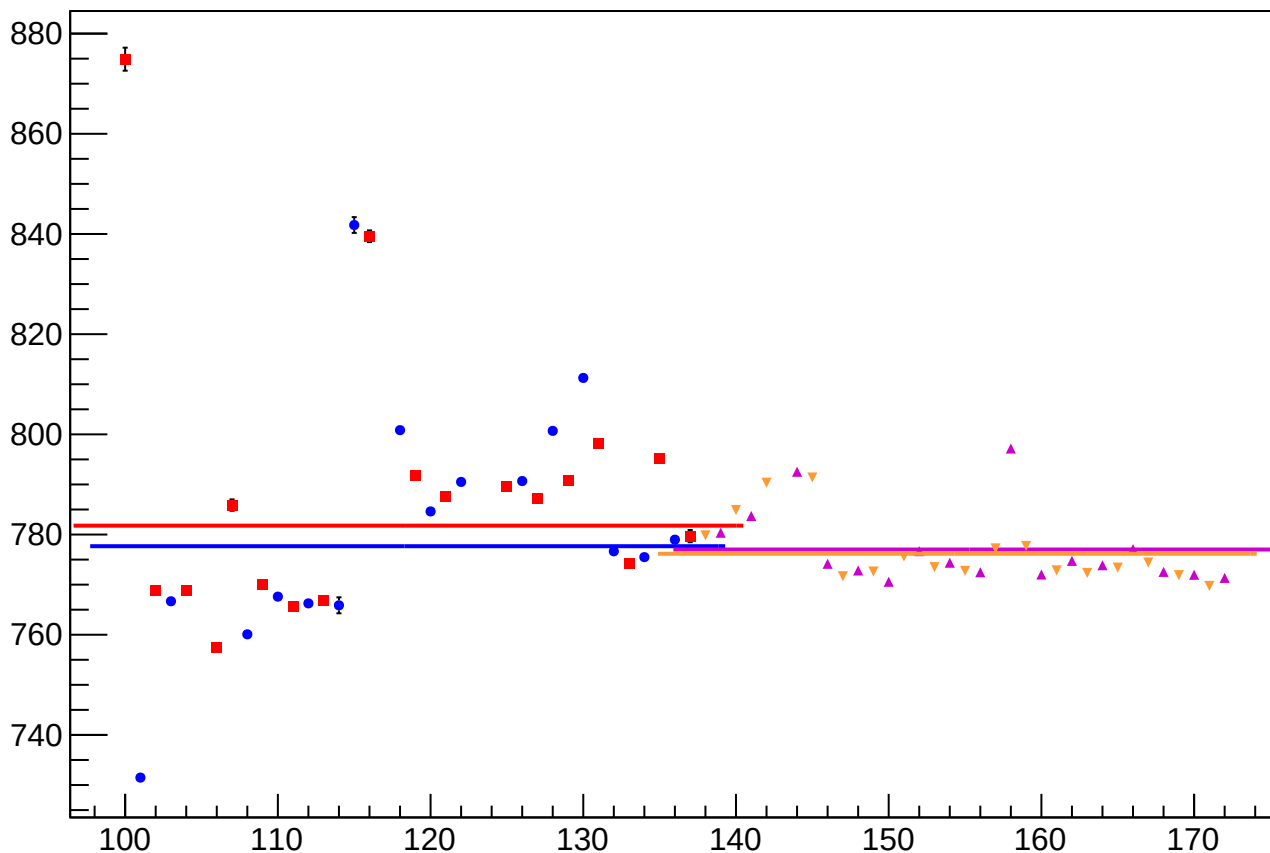
Left In: 285.792 ± 207.412 χ^2/NDF : 17.5/16

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

All: -35.746 ± 119.877 χ^2/NDF : 54.9/67

- sign 179.313 ± 168.323 χ^2/NDF : 30.0/34

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

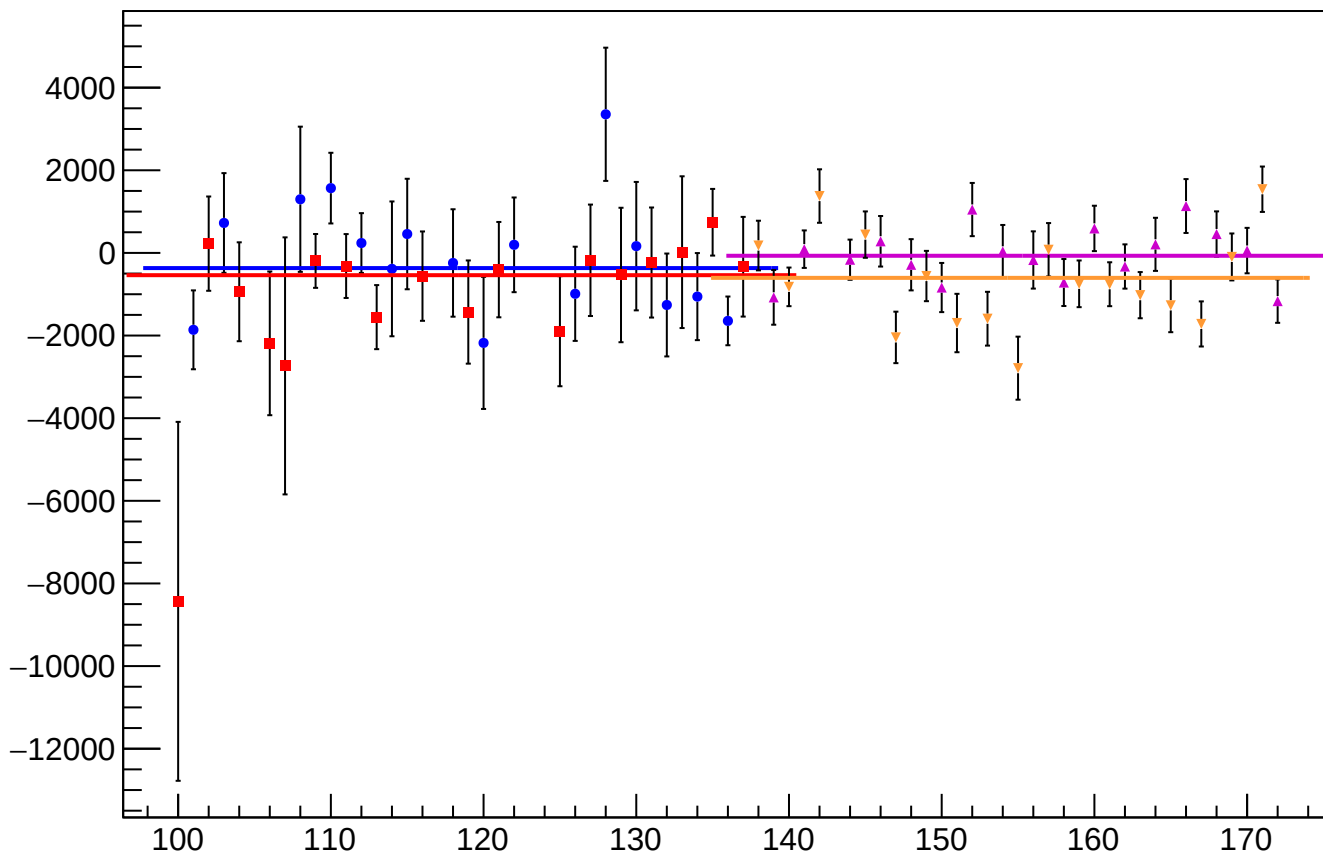
Left In: 777.011 ± 0.147 χ^2/NDF : 2574.5/16

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

All: 777.679 ± 0.085 χ^2/NDF : 24325.5/67

- sign 778.638 ± 0.119 χ^2/NDF : 10561.3/34

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

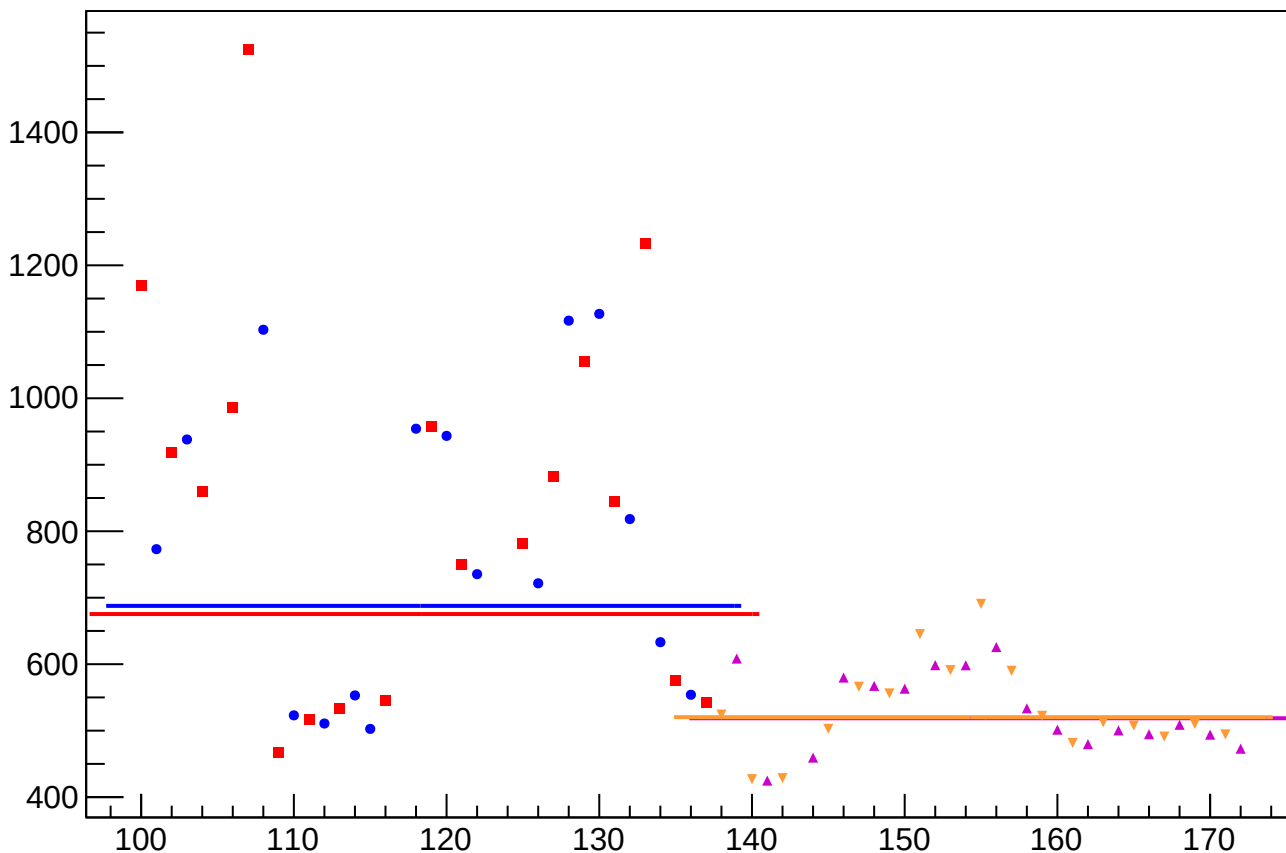
Left In: -69.006 ± 139.590 χ^2/NDF : 19.6/16

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

All: -357.052 ± 88.208 χ^2/NDF : 118.3/67

- sign -172.338 ± 123.290 χ^2/NDF : 33.7/34

asym_us_dd_cor_correction_rms vs Slug



Right In: 687.717 $\pm$ 0.189 χ^2 /NDF: 1031906.6/15

Left Out: 520.261 $\pm$ 0.101 χ^2 /NDF: 371606.2/16

Right Out: 675.410 $\pm$ 0.186 χ^2 /NDF: 1313004.6/17

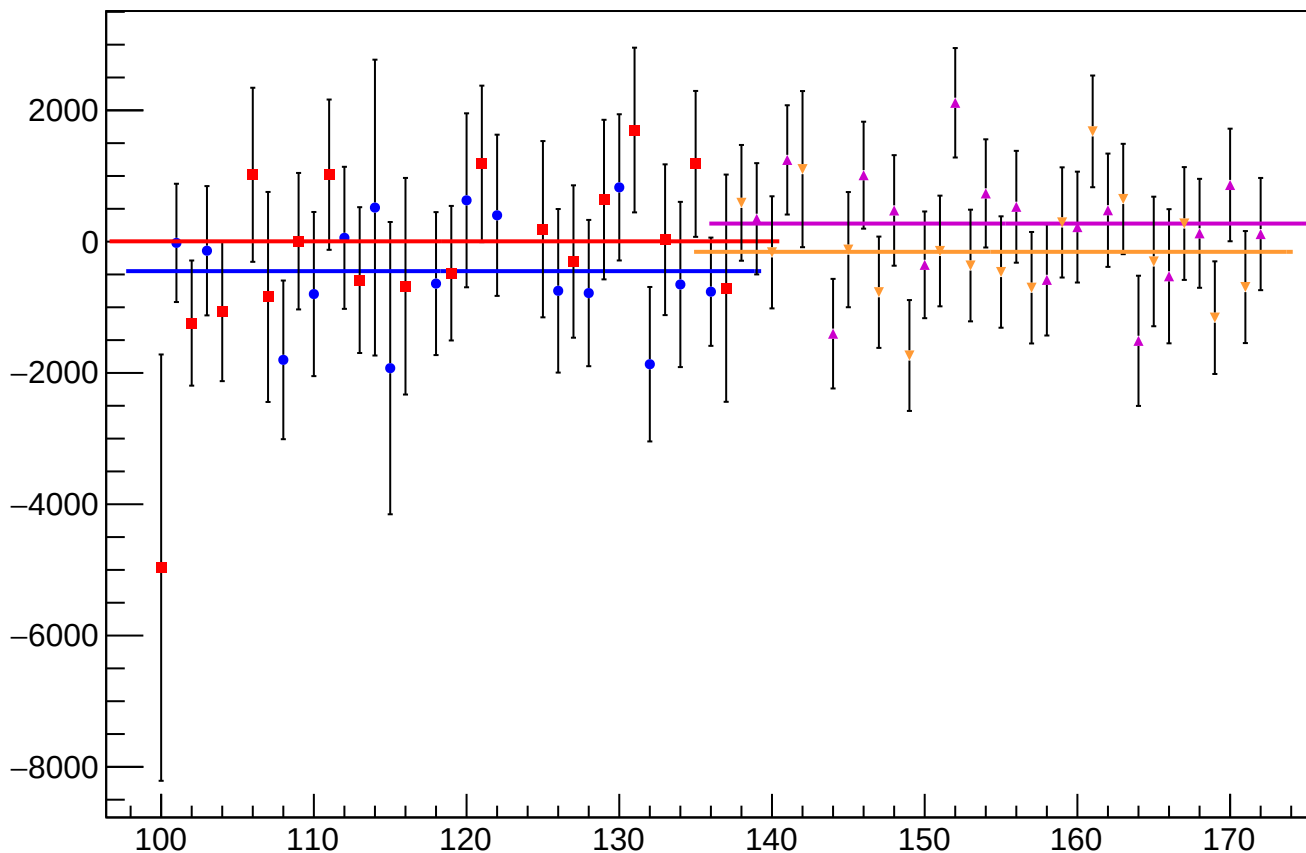
Left In: 518.650 $\pm$ 0.099 χ^2 /NDF: 343089.0/16

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

All: 555.400 $\pm$ 0.062 χ^2 /NDF: 4227455.1/67

- sign 553.123 $\pm$ 0.087 χ^2 /NDF: 2210766.0/34

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

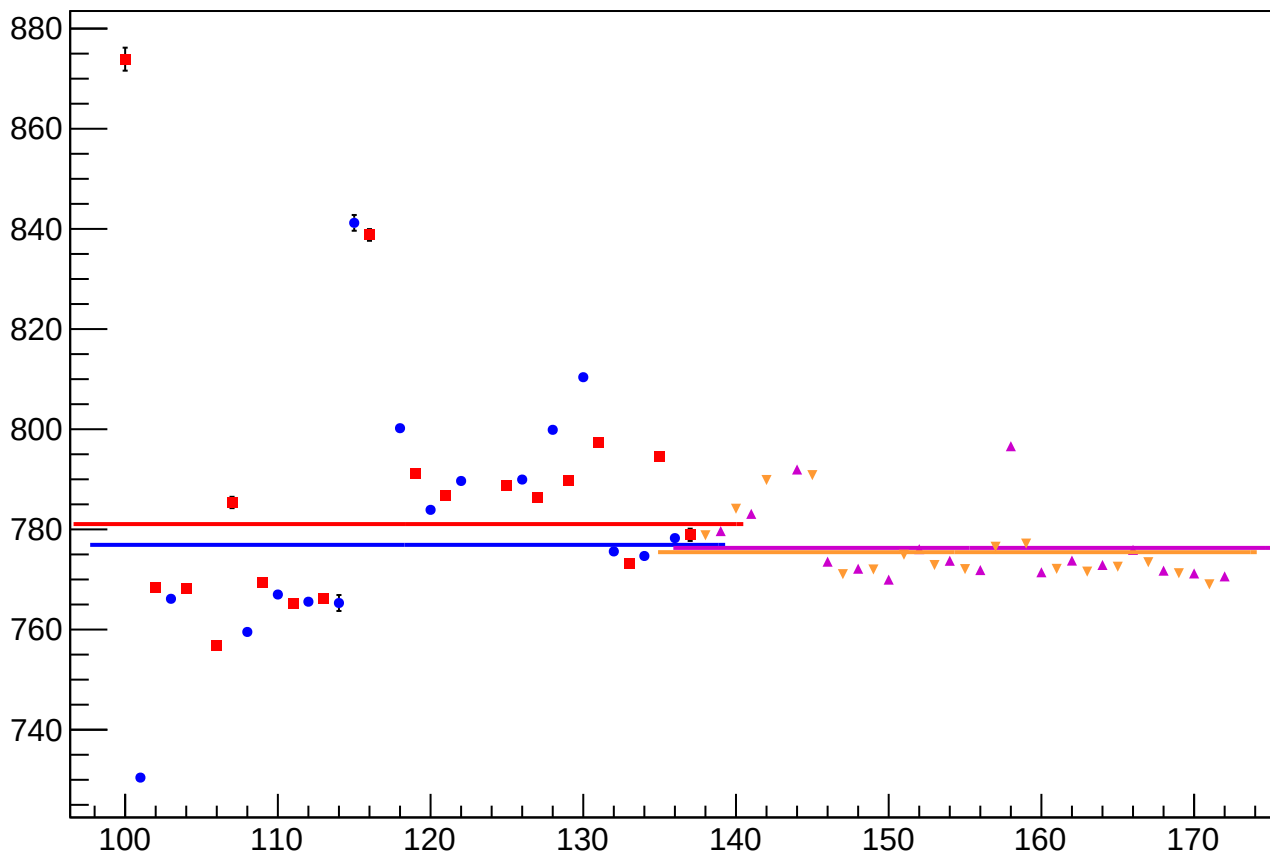
Left In: 275.099+/-207.224 χ^2/NDF : 17.6/16

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

All: -34.457+/-119.766 χ^2/NDF : 55.2/67

- sign 182.765+/-168.170 χ^2/NDF : 30.1/34

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

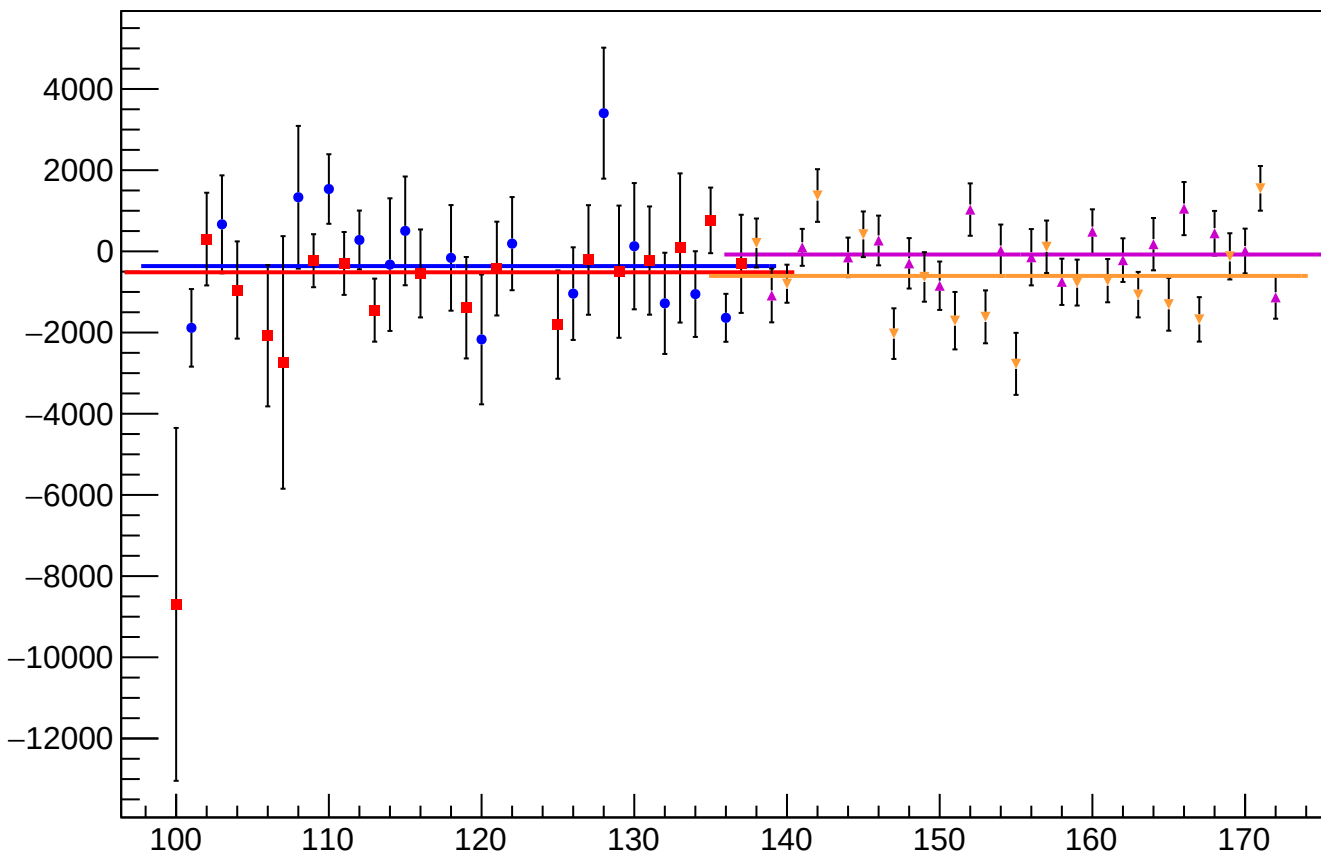
Left In: 776.307 ± 0.147 χ^2/NDF : 2608.1/16

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

All: 776.961 ± 0.085 χ^2/NDF : 24401.4/67

- sign 777.930 ± 0.119 χ^2/NDF : 10553.2/34

asym_us_dd_overload_cor_correction_mean vs Slug



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

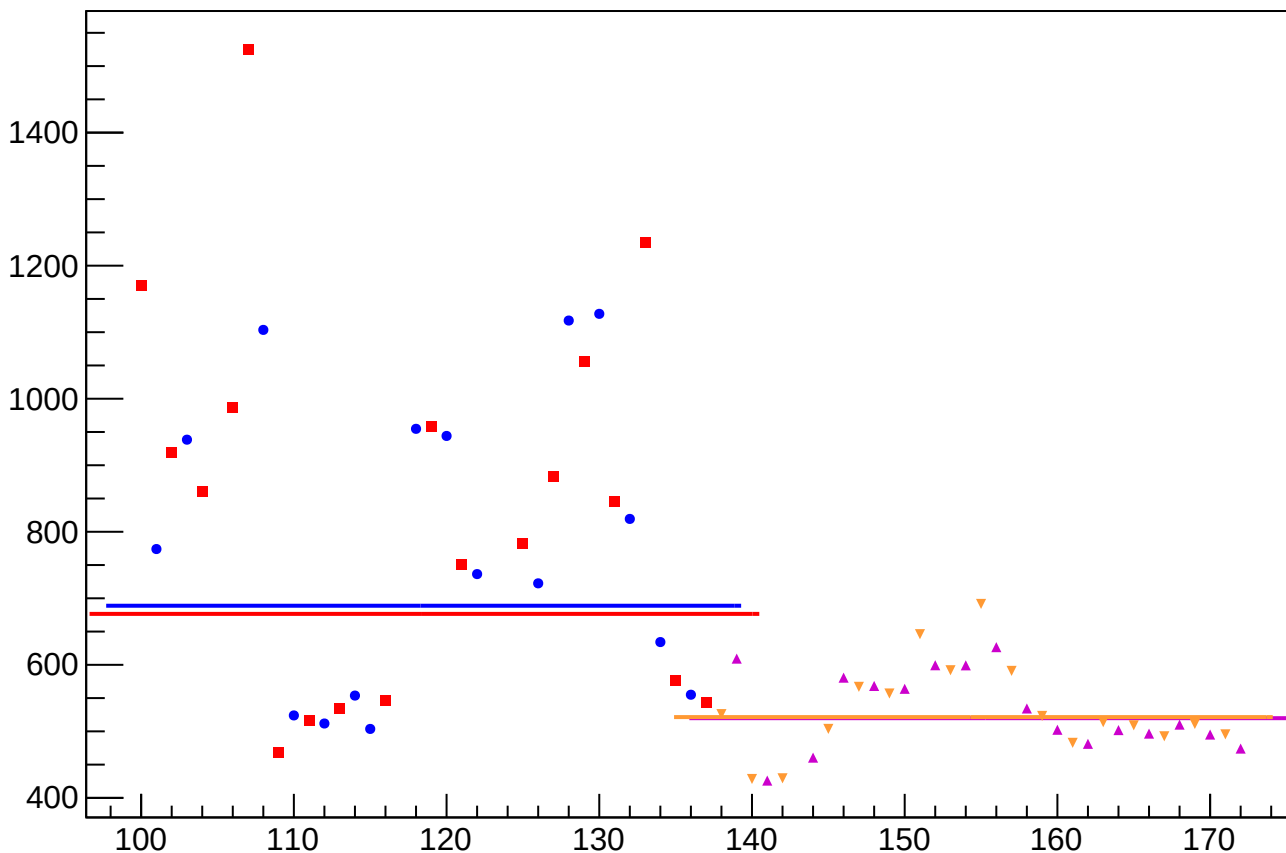
Left In: -77.500+/-139.892 χ^2/NDF : 18.2/16

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

All: -357.660+/-88.386 χ^2/NDF : 116.0/67

- sign -173.876+/-123.539 χ^2/NDF : 31.7/34

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 688.828 $\pm$ 0.189 χ^2 /NDF: 1028118.5/15

Left Out: 521.433 $\pm$ 0.102 χ^2 /NDF: 368395.8/16

Right Out: 676.572 $\pm$ 0.186 χ^2 /NDF: 1308036.1/17

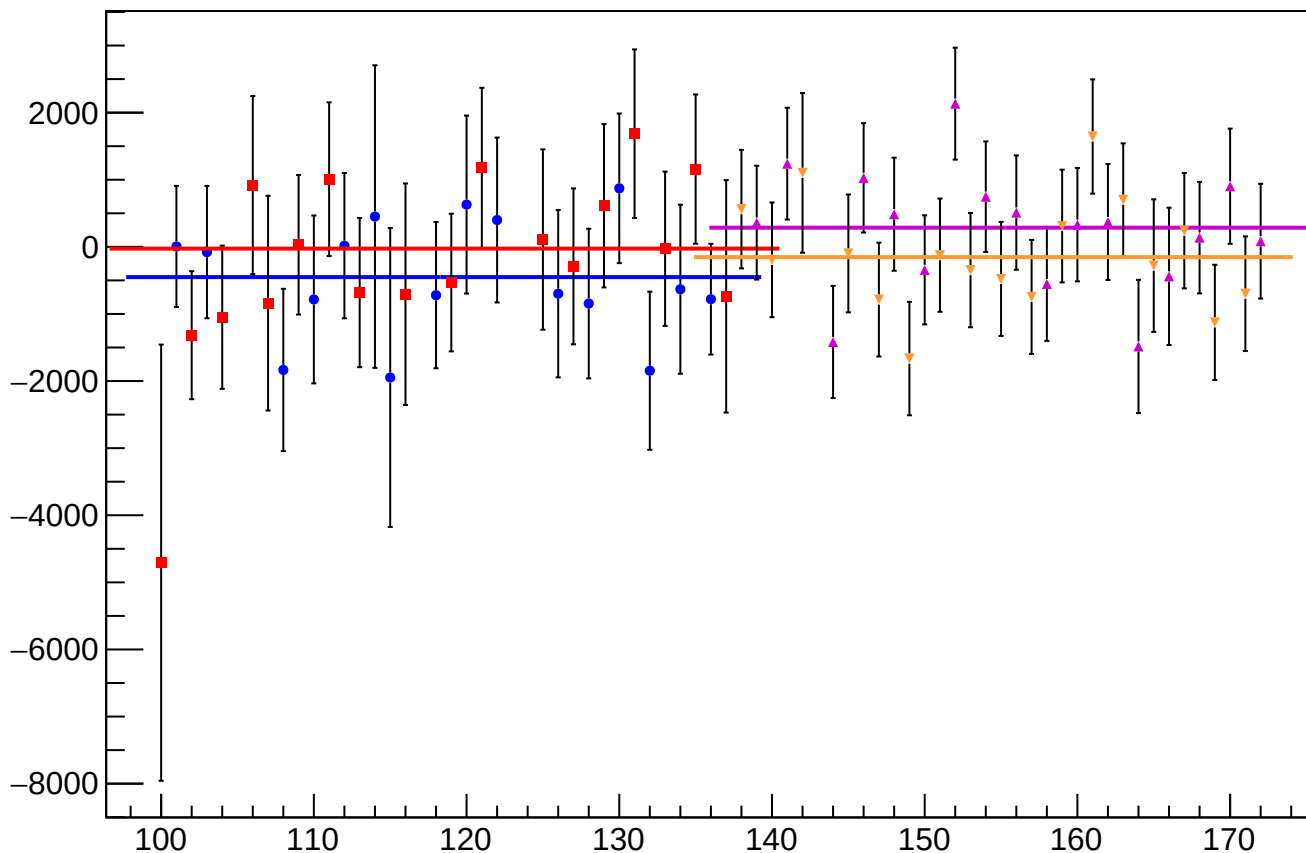
Left In: 519.810 $\pm$ 0.099 χ^2 /NDF: 339946.2/16

+ sign 558.988 $\pm$ 0.089 χ^2 /NDF: 2005885.8/32

All: 556.598 $\pm$ 0.062 χ^2 /NDF: 4208133.0/67

- sign 554.319 $\pm$ 0.087 χ^2 /NDF: 2200852.7/34

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

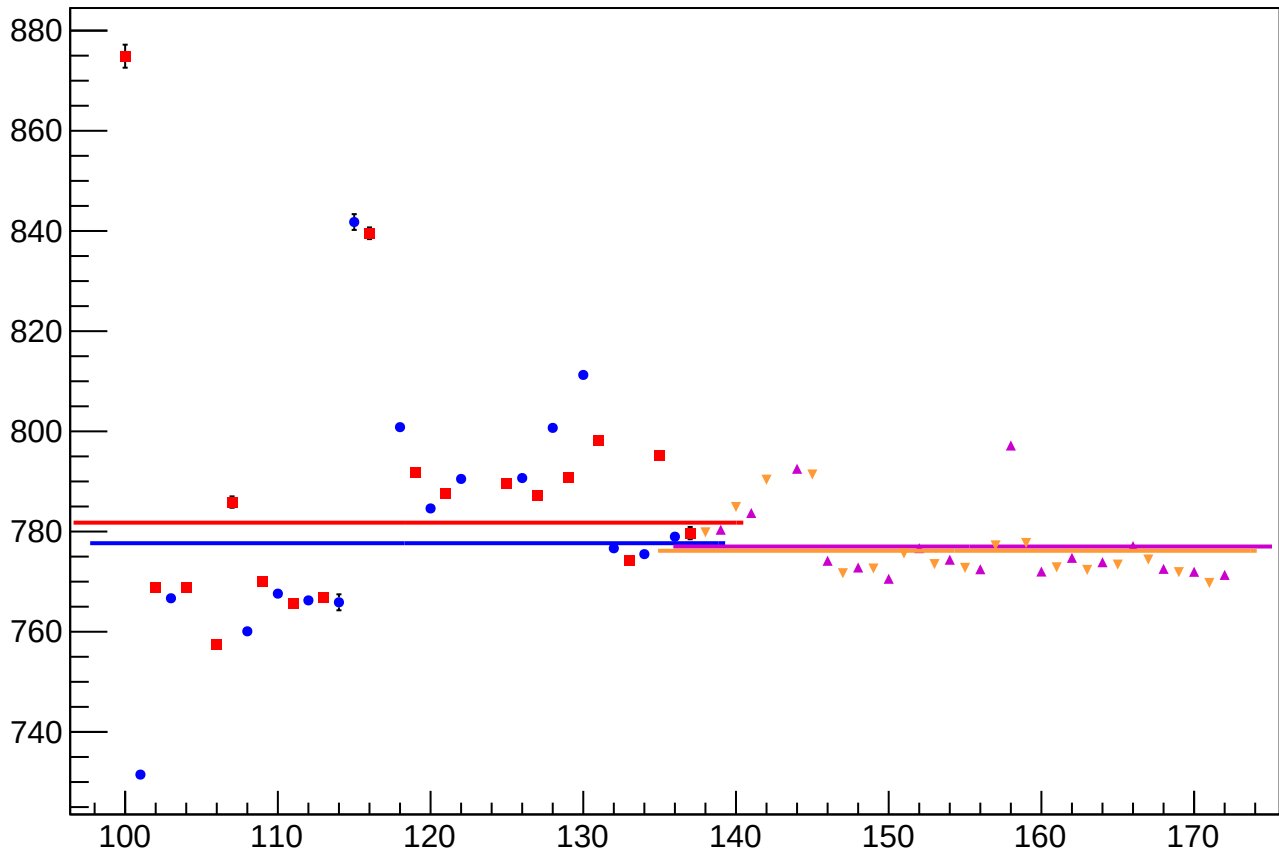
Left In: 285.792 ± 207.412 χ^2/NDF : 17.5/16

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

All: -35.746 ± 119.877 χ^2/NDF : 54.9/67

- sign 179.313 ± 168.323 χ^2/NDF : 30.0/34

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.674 $\pm$ 0.204 χ^2 /NDF: 12055.4/15

Left Out: 776.163 $\pm$ 0.150 χ^2 /NDF: 1541.3/16

Right Out: 781.777 $\pm$ 0.204 χ^2 /NDF: 7626.3/17

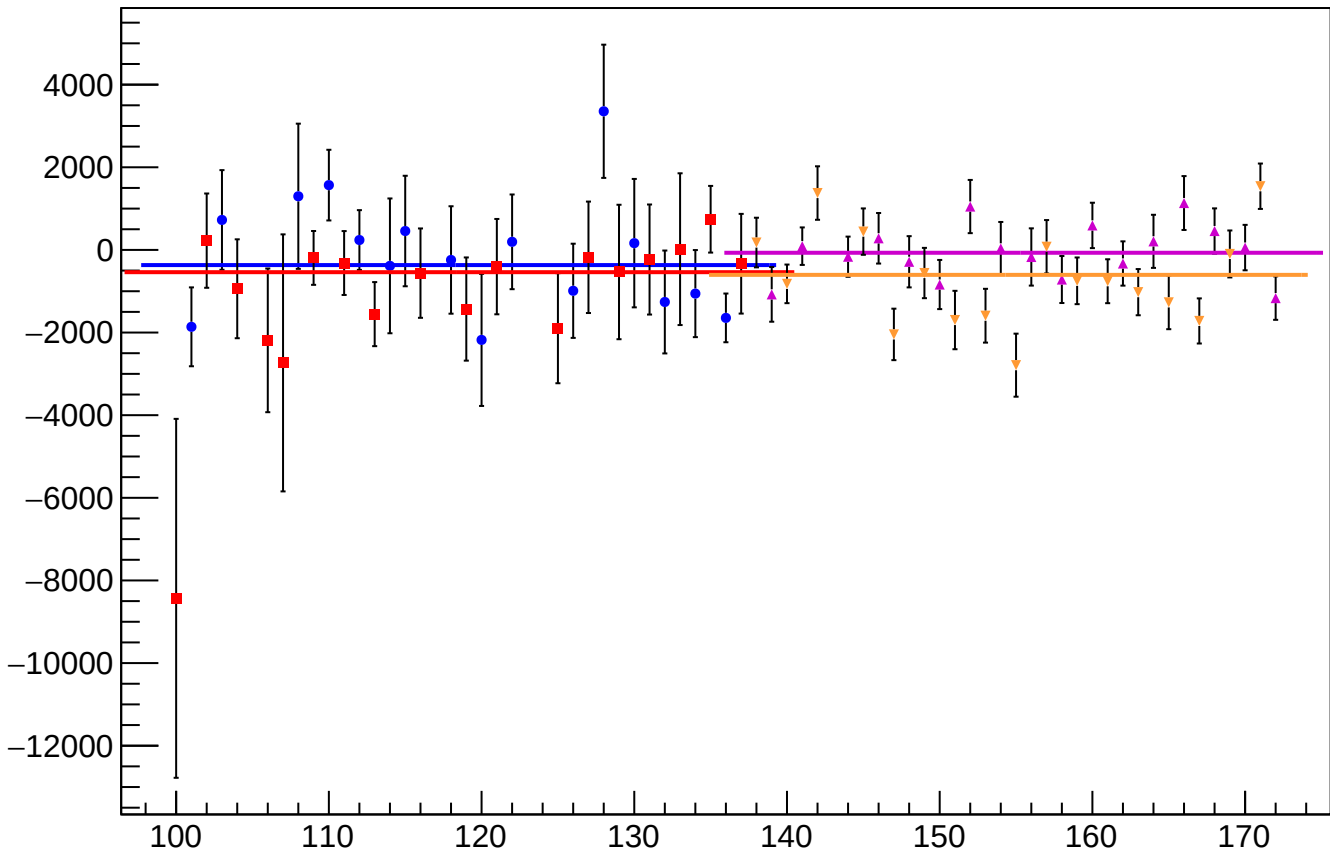
Left In: 777.011 $\pm$ 0.147 χ^2 /NDF: 2574.5/16

+ sign 776.691 $\pm$ 0.121 χ^2 /NDF: 13632.3/32

All: 777.679 $\pm$ 0.085 χ^2 /NDF: 24325.5/67

- sign 778.638 $\pm$ 0.119 χ^2 /NDF: 10561.3/34

asym_us_dd_eigen_cor_correction_mean vs Slug



Right In: -367.008 $\pm$ 266.698 χ^2/NDF : 23.3/15

Left Out: -603.821 $\pm$ 143.331 χ^2/NDF : 56.1/16

Right Out: -538.887 $\pm$ 262.907 χ^2/NDF : 11.7/17

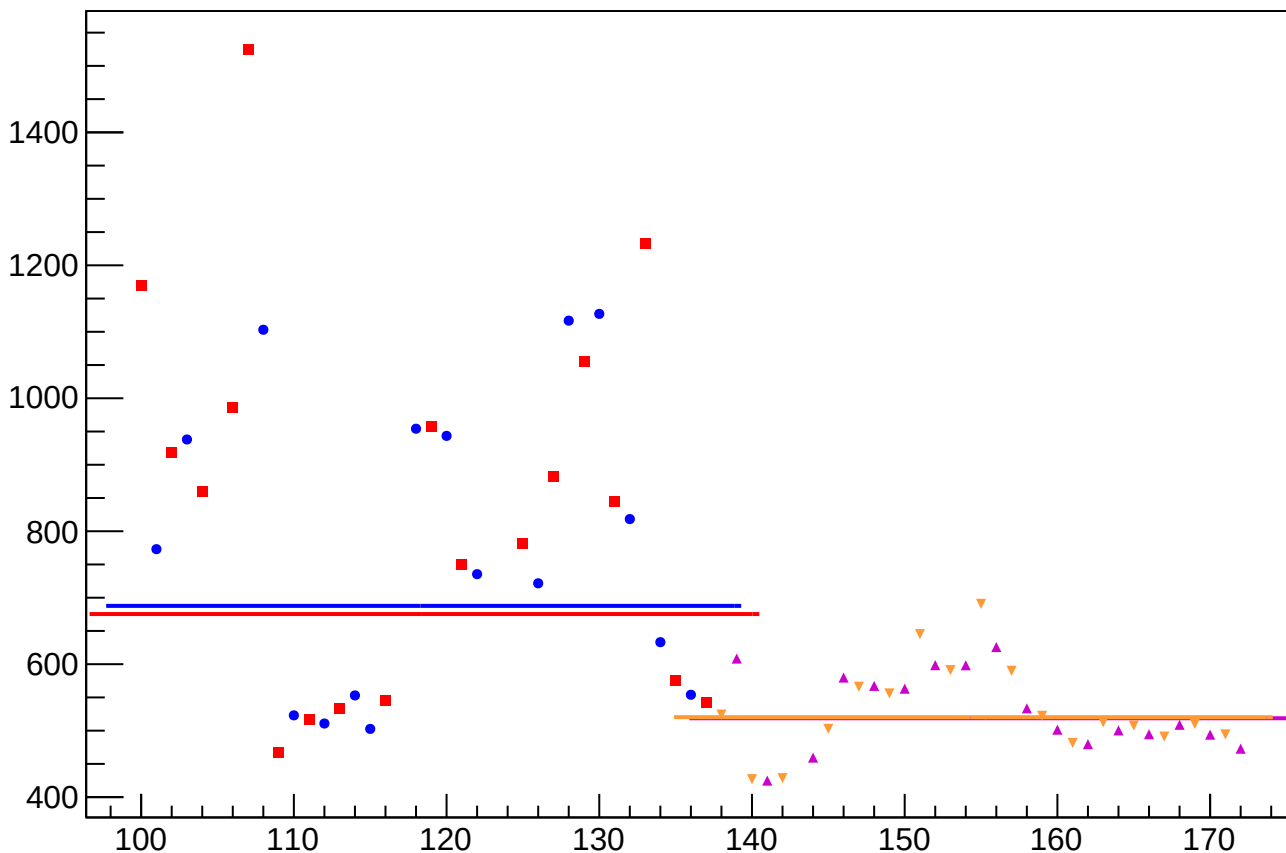
Left In: -69.006 $\pm$ 139.590 χ^2/NDF : 19.6/16

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

All: -357.052 $\pm$ 88.208 χ^2/NDF : 118.3/67

- sign -172.338 $\pm$ 123.290 χ^2/NDF : 33.7/34

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 687.717 $\pm$ 0.189 χ^2 /NDF: 1031906.6/15

Left Out: 520.261 $\pm$ 0.101 χ^2 /NDF: 371606.2/16

Right Out: 675.410 $\pm$ 0.186 χ^2 /NDF: 1313004.6/17

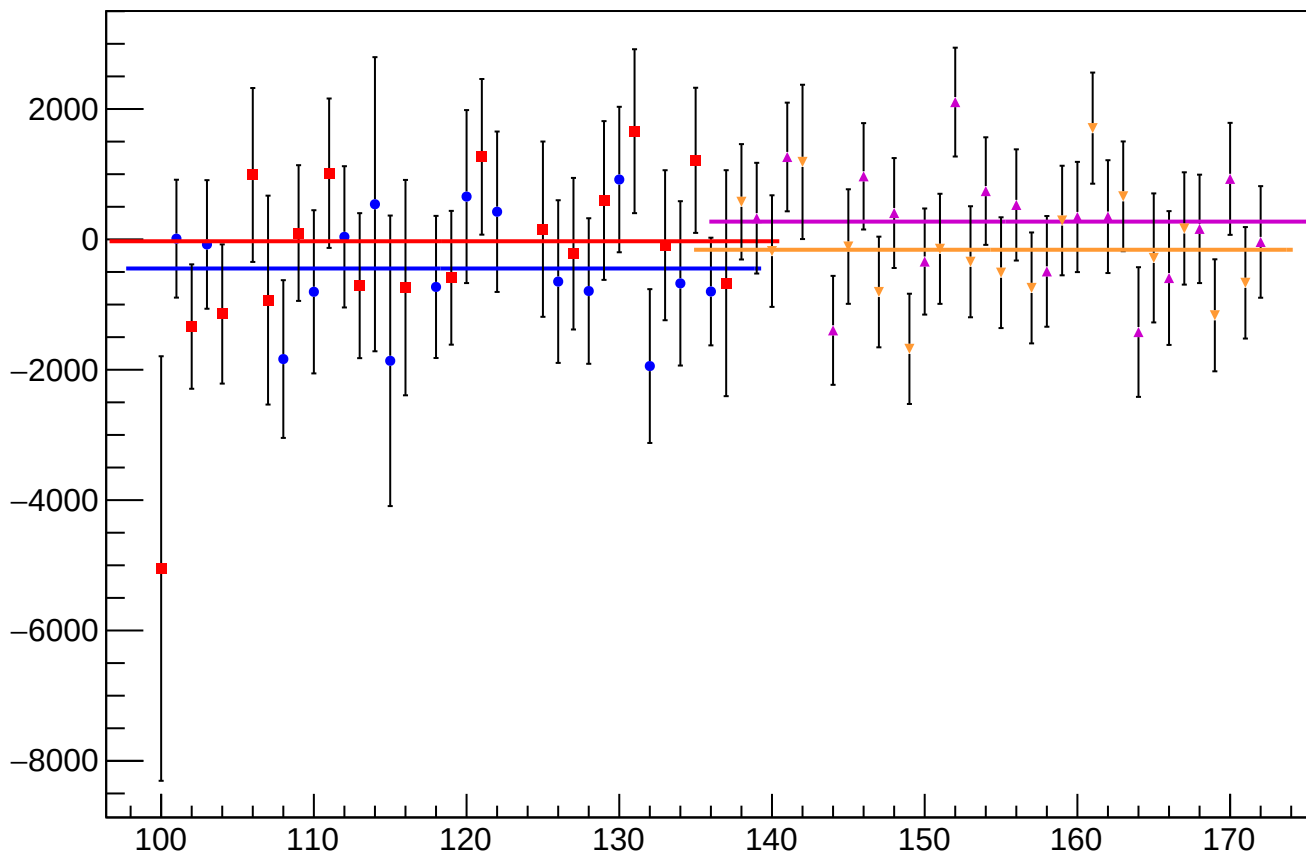
Left In: 518.650 $\pm$ 0.099 χ^2 /NDF: 343089.0/16

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

All: 555.400 $\pm$ 0.062 χ^2 /NDF: 4227455.1/67

- sign 553.123 $\pm$ 0.087 χ^2 /NDF: 2210766.0/34

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

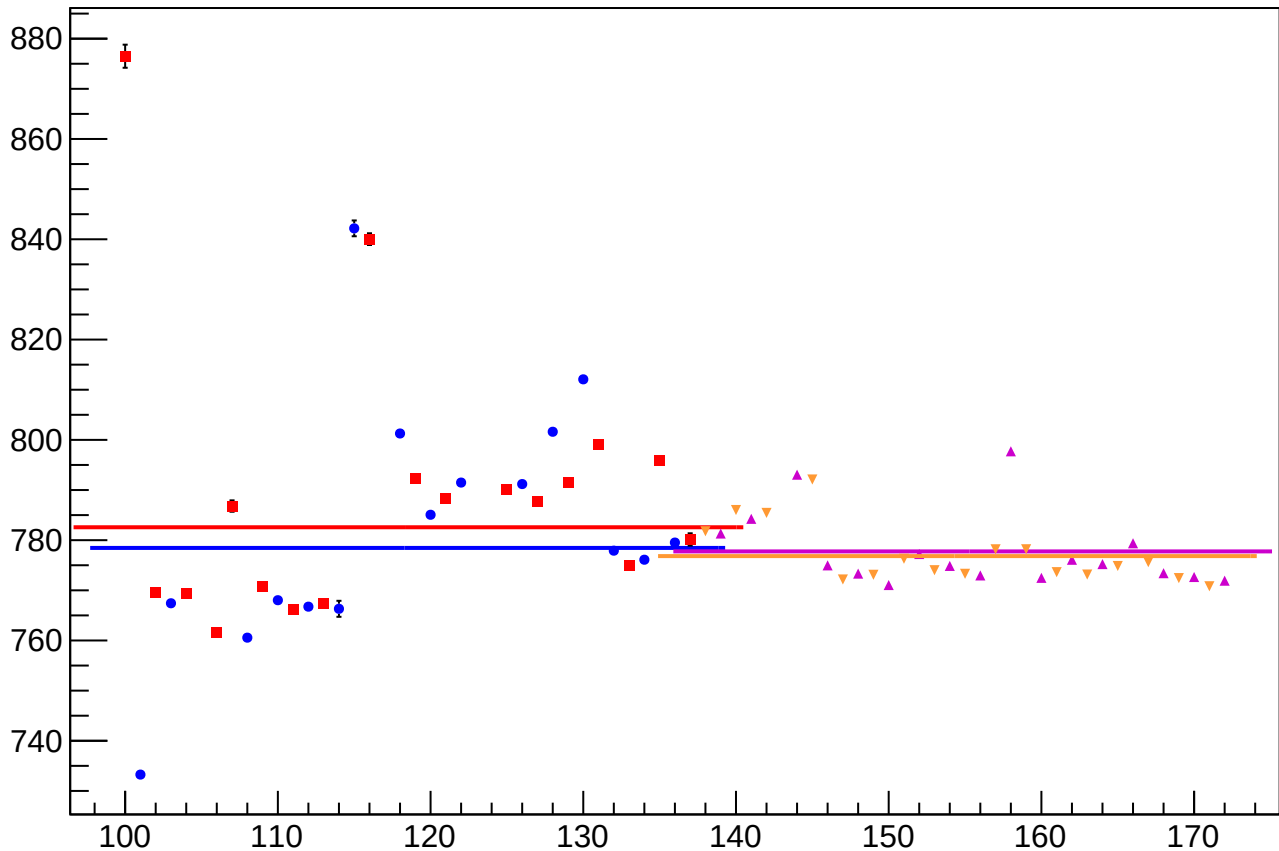
Left In: 272.407 ± 207.613 χ^2/NDF : 17.1/16

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

All: -41.956 ± 119.991 χ^2/NDF : 56.0/67

- sign 169.586 ± 168.489 χ^2/NDF : 30.5/34

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

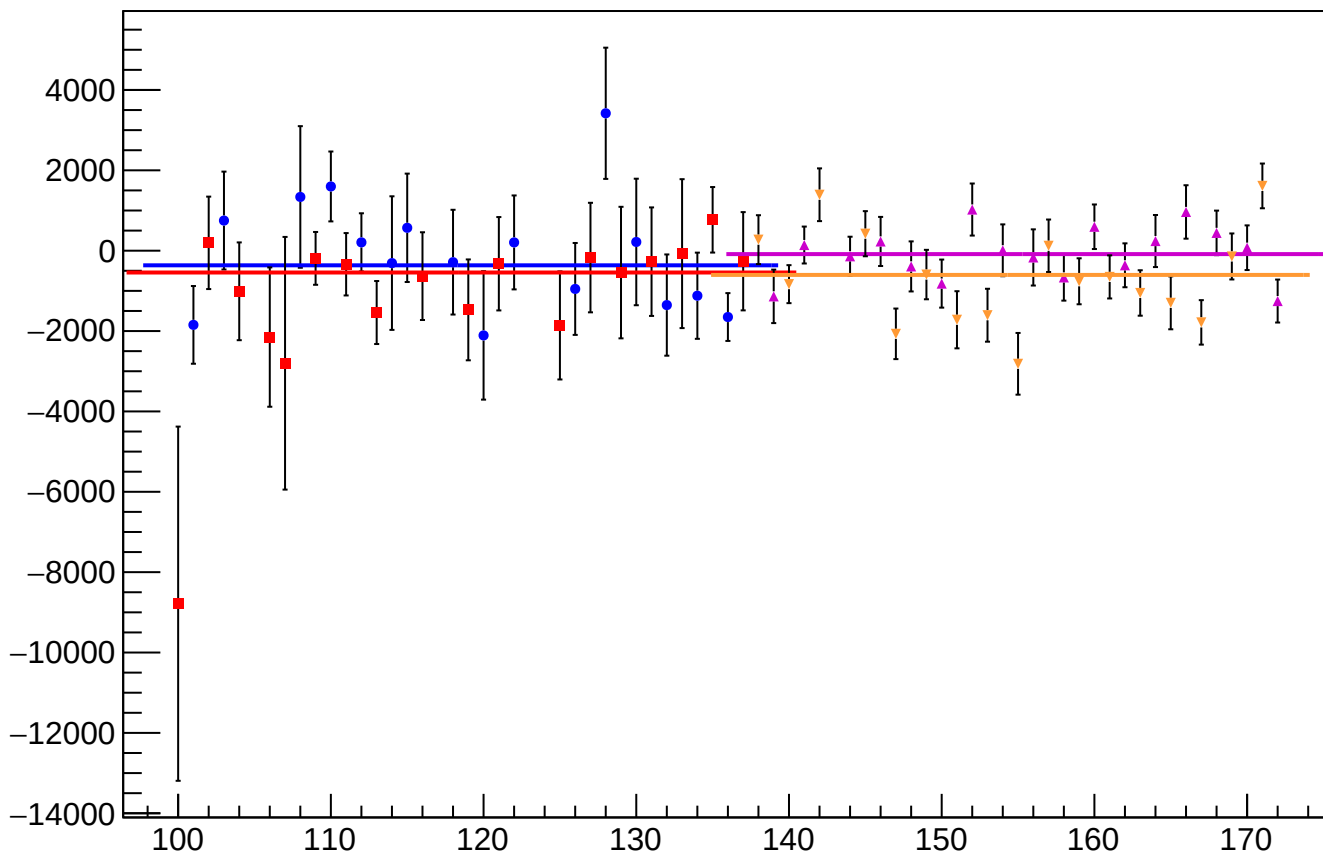
Left In: 777.762 ± 0.147 χ^2/NDF : 2555.7/16

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

All: 778.414 ± 0.085 χ^2/NDF : 23780.3/67

- sign 779.405 ± 0.119 χ^2/NDF : 10404.1/34

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

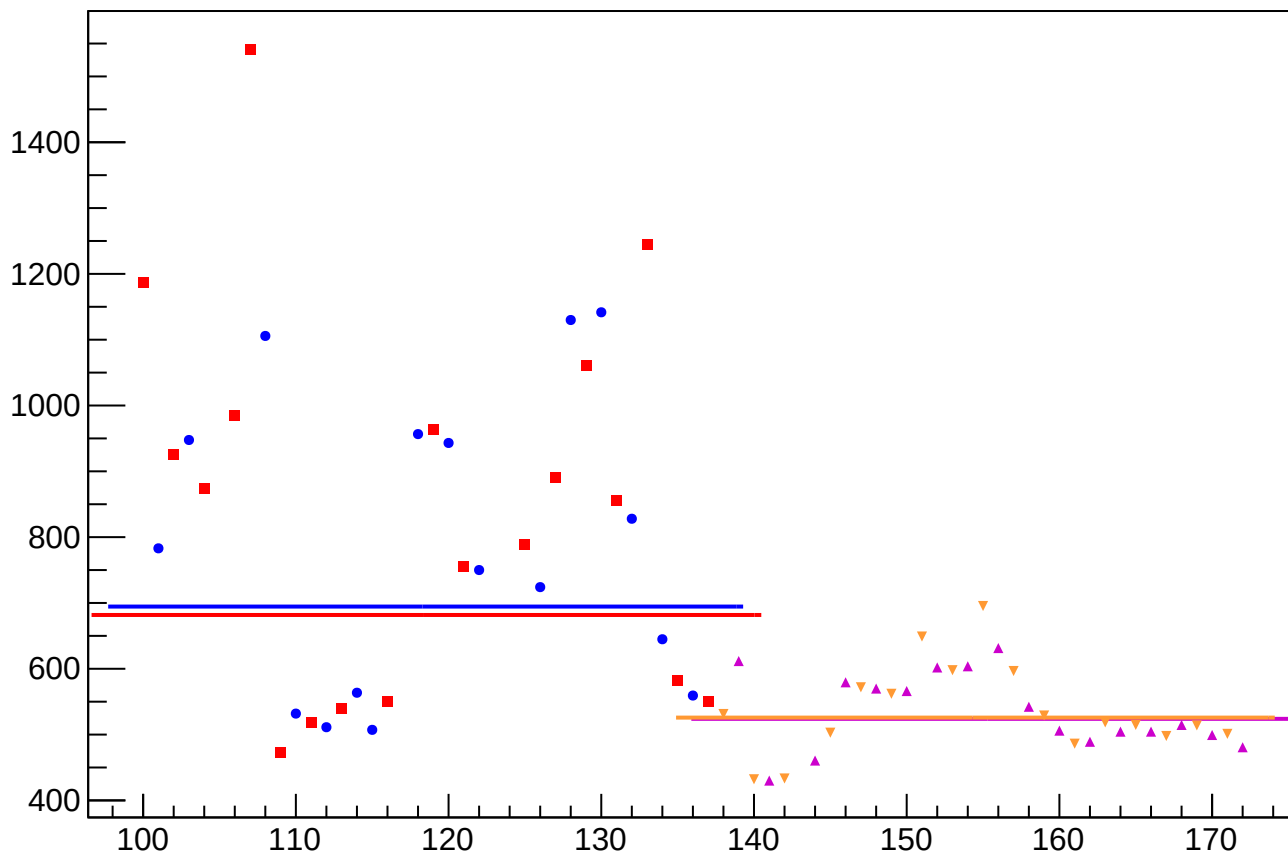
Left In: -84.889 ± 140.951 χ^2/NDF : 19.0/16

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

All: -363.076 ± 89.085 χ^2/NDF : 118.7/67

- sign -185.724 ± 124.472 χ^2/NDF : 33.1/34

asym_us_dd_dit_correction_rms vs Slug



Right In: 694.522 ± 0.190 $\chi^2/\text{NDF}: 1029884.9/15$

Left Out: 525.800 ± 0.102 $\chi^2/\text{NDF}: 366184.7/16$

Right Out: 681.744 ± 0.188 $\chi^2/\text{NDF}: 1311322.6/17$

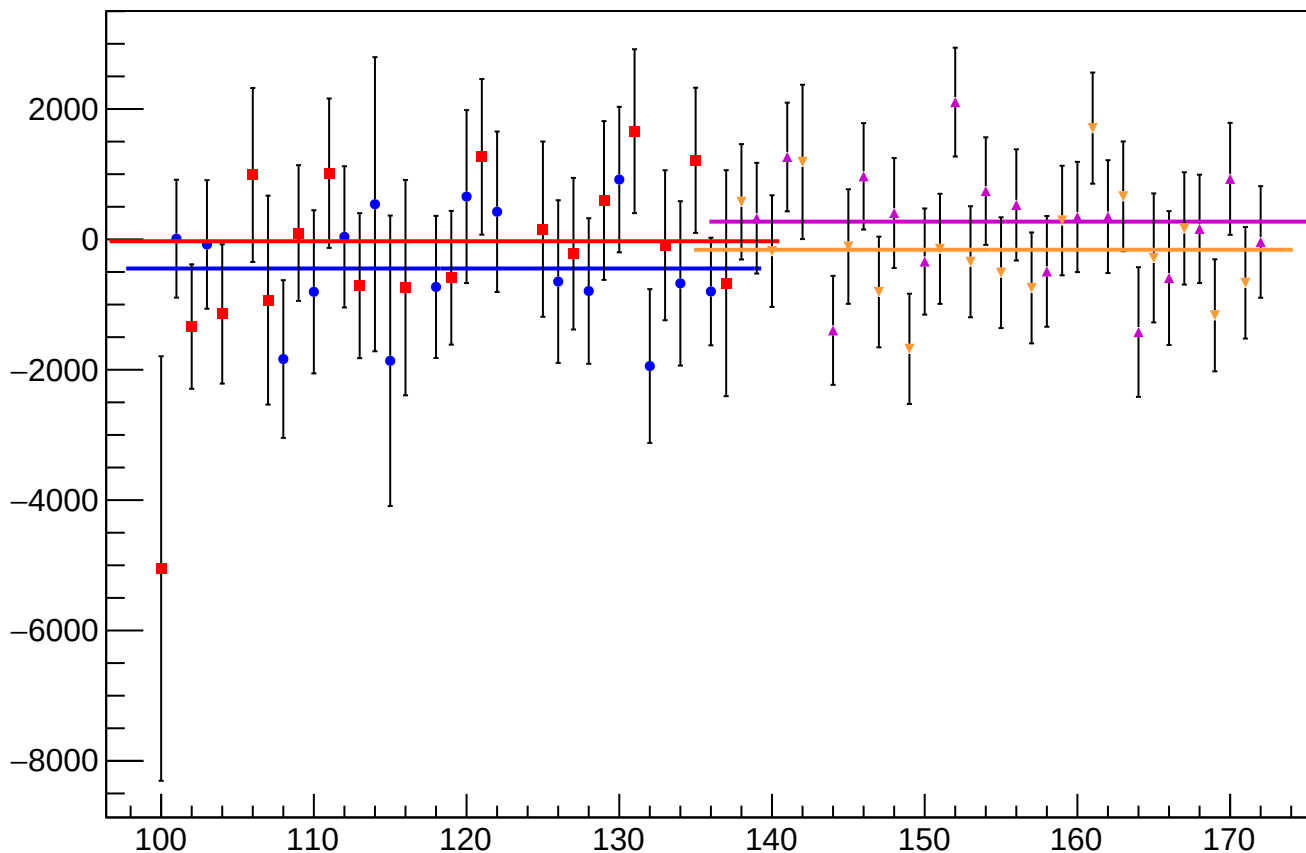
Left In: 523.910 ± 0.100 $\chi^2/\text{NDF}: 329836.2/16$

+ sign 563.648 ± 0.090 $\chi^2/\text{NDF}: 2004953.9/32$

All: 561.093 ± 0.063 $\chi^2/\text{NDF}: 4199813.1/67$

- sign 558.660 ± 0.088 $\chi^2/\text{NDF}: 2193292.6/34$

eigen_dit_asym_us_dd_mean vs Slug



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

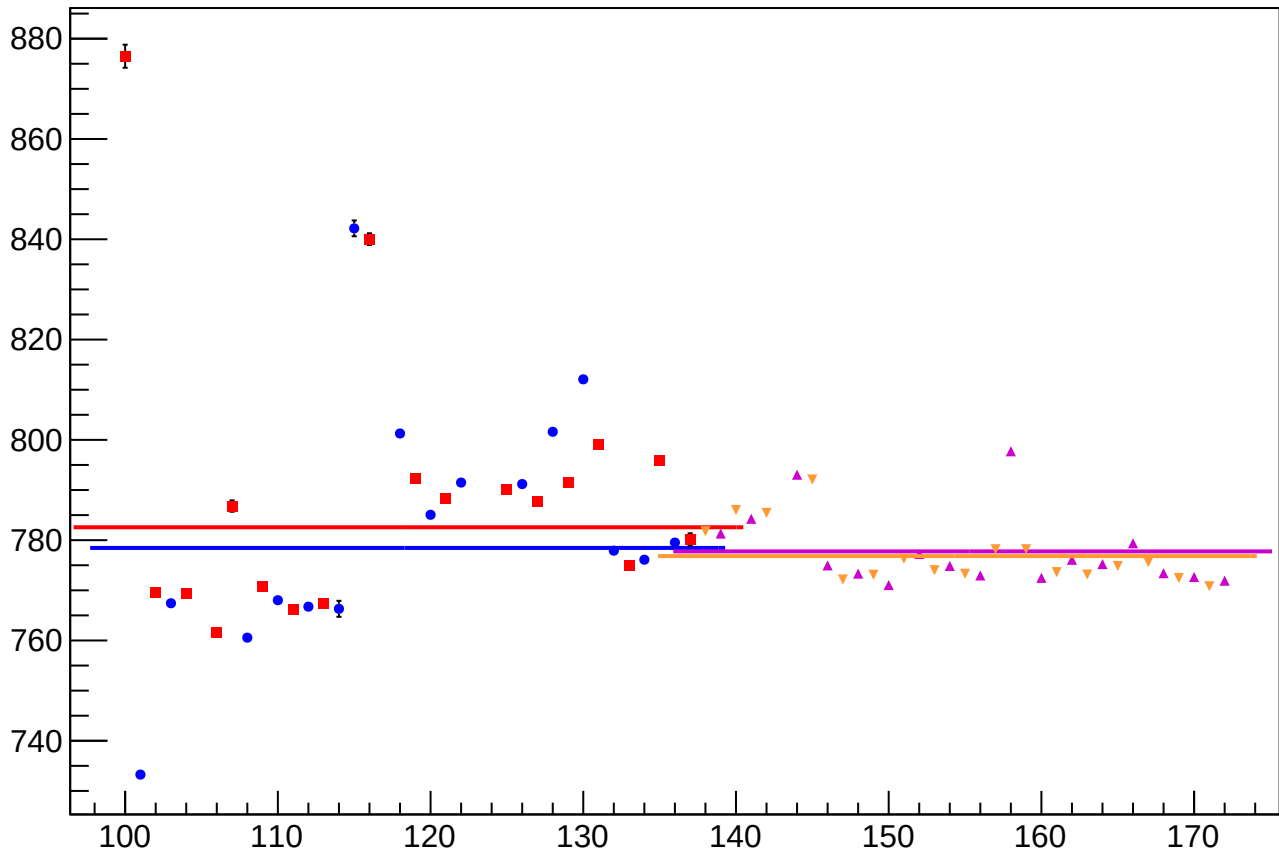
Left In: 272.407 ± 207.613 χ^2/NDF : 17.1/16

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

All: -41.956 ± 119.991 χ^2/NDF : 56.0/67

- sign 169.586 ± 168.489 χ^2/NDF : 30.5/34

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

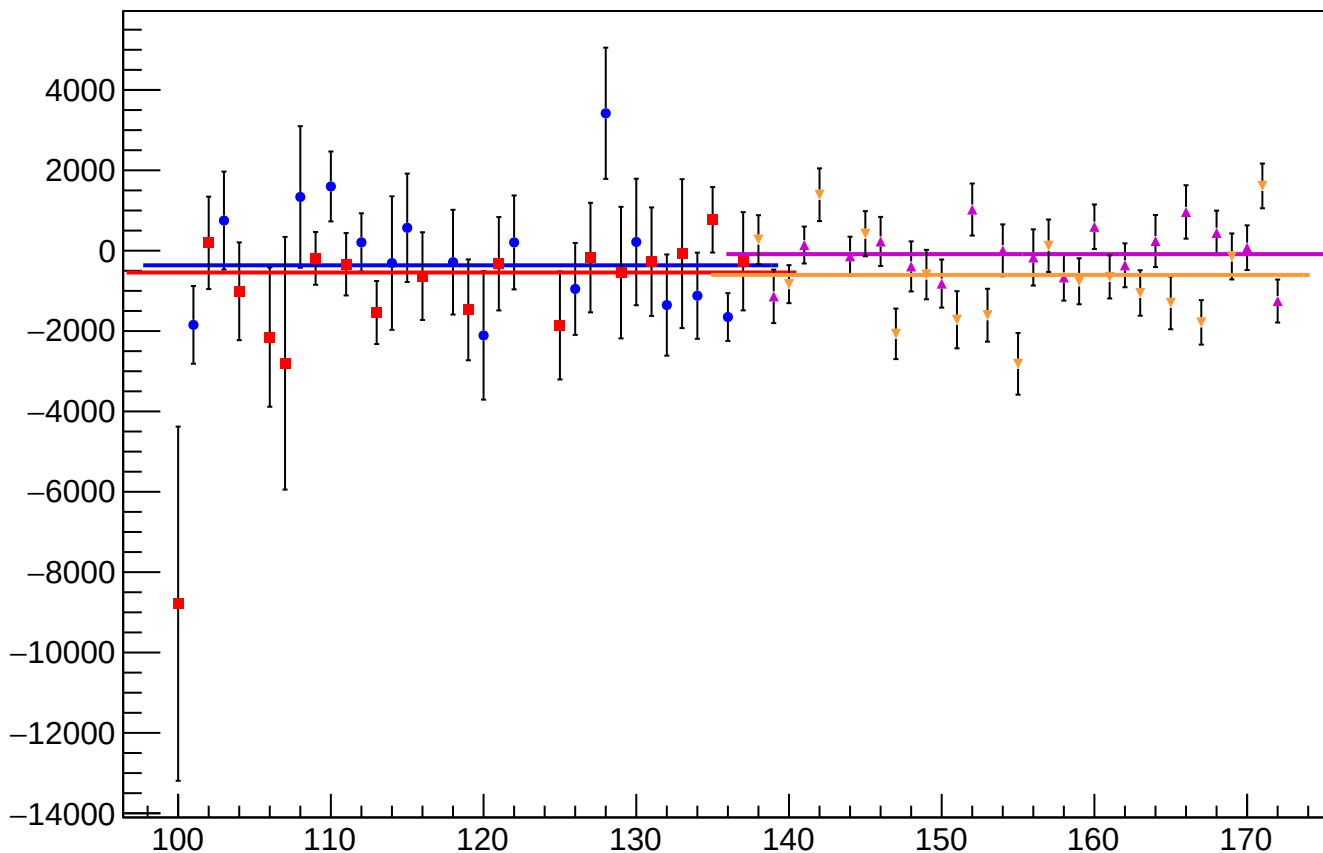
Left In: 777.762 ± 0.147 χ^2/NDF : 2555.7/16

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

All: 778.414 ± 0.085 χ^2/NDF : 23780.3/67

- sign 779.405 ± 0.119 χ^2/NDF : 10404.1/34

asym_us_dd_eigen_dit_correction_mean vs Slug



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

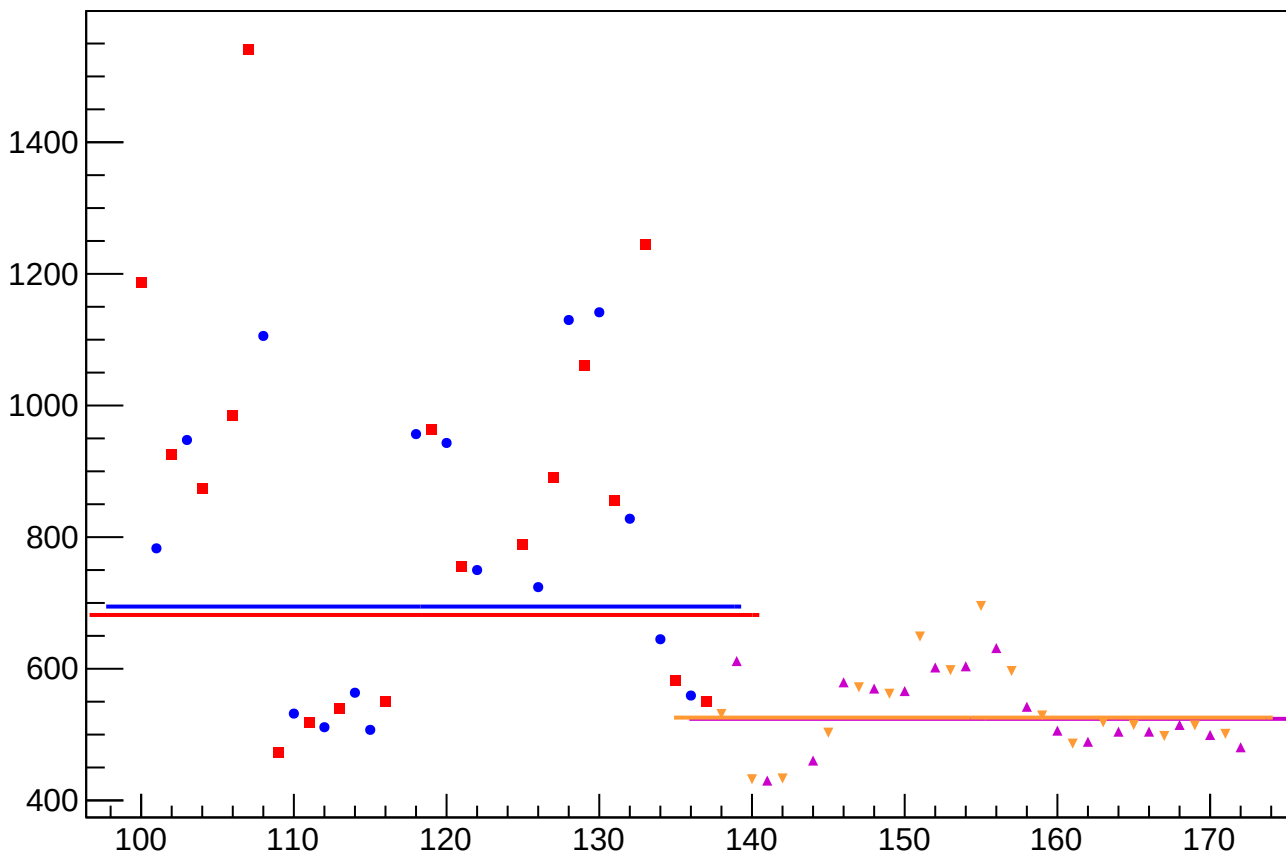
Left In: -84.888+/-140.952 χ^2/NDF : 19.0/16

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

All: -363.075+/-89.085 χ^2/NDF : 118.7/67

- sign -185.723+/-124.472 χ^2/NDF : 33.1/34

asym_us_dd_eigen_dit_correction_rms vs Slug



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

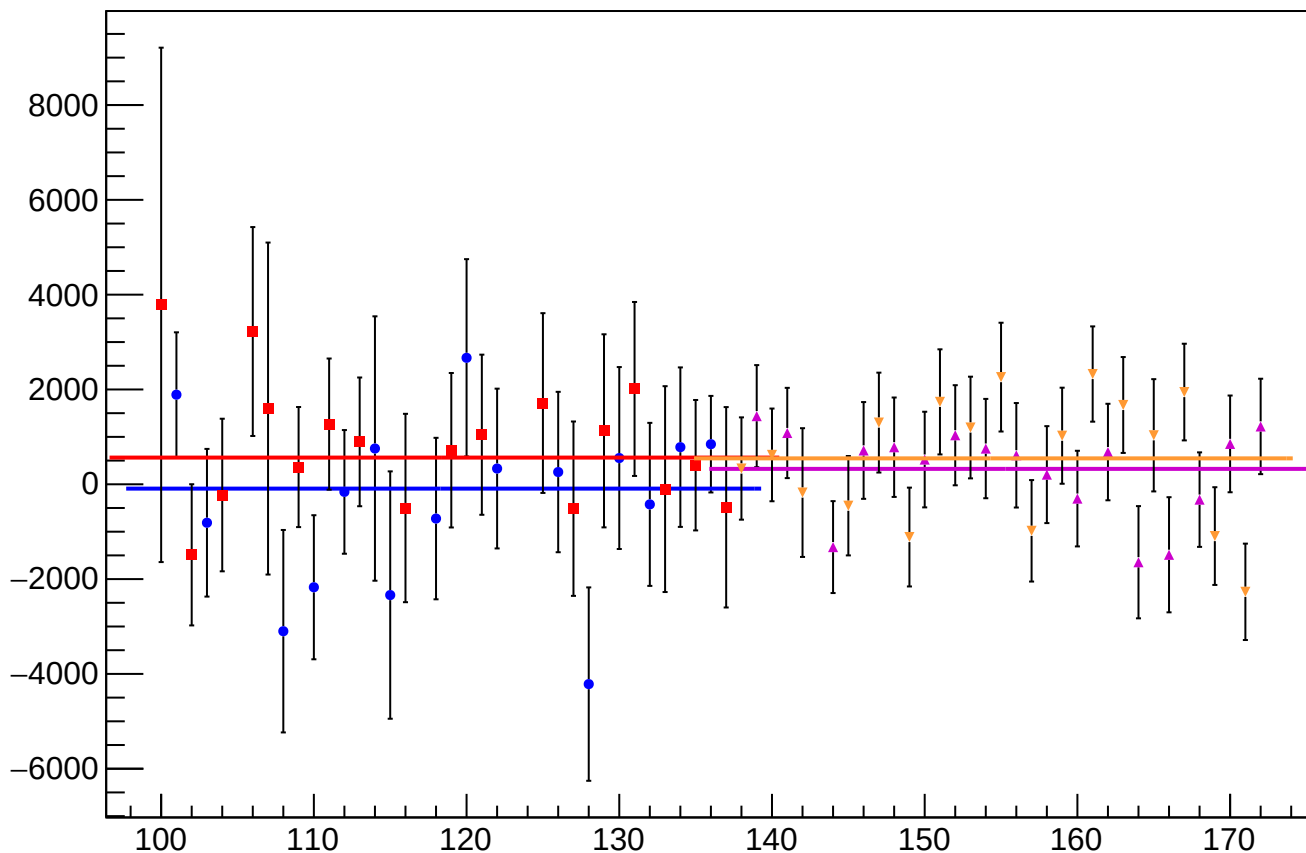
Left In: 523.910 ± 0.100 χ^2/NDF : 329848.2/16

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

All: 561.092 ± 0.063 χ^2/NDF : 4199827.0/67

- sign 558.659 ± 0.088 χ^2/NDF : 2193303.6/34

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

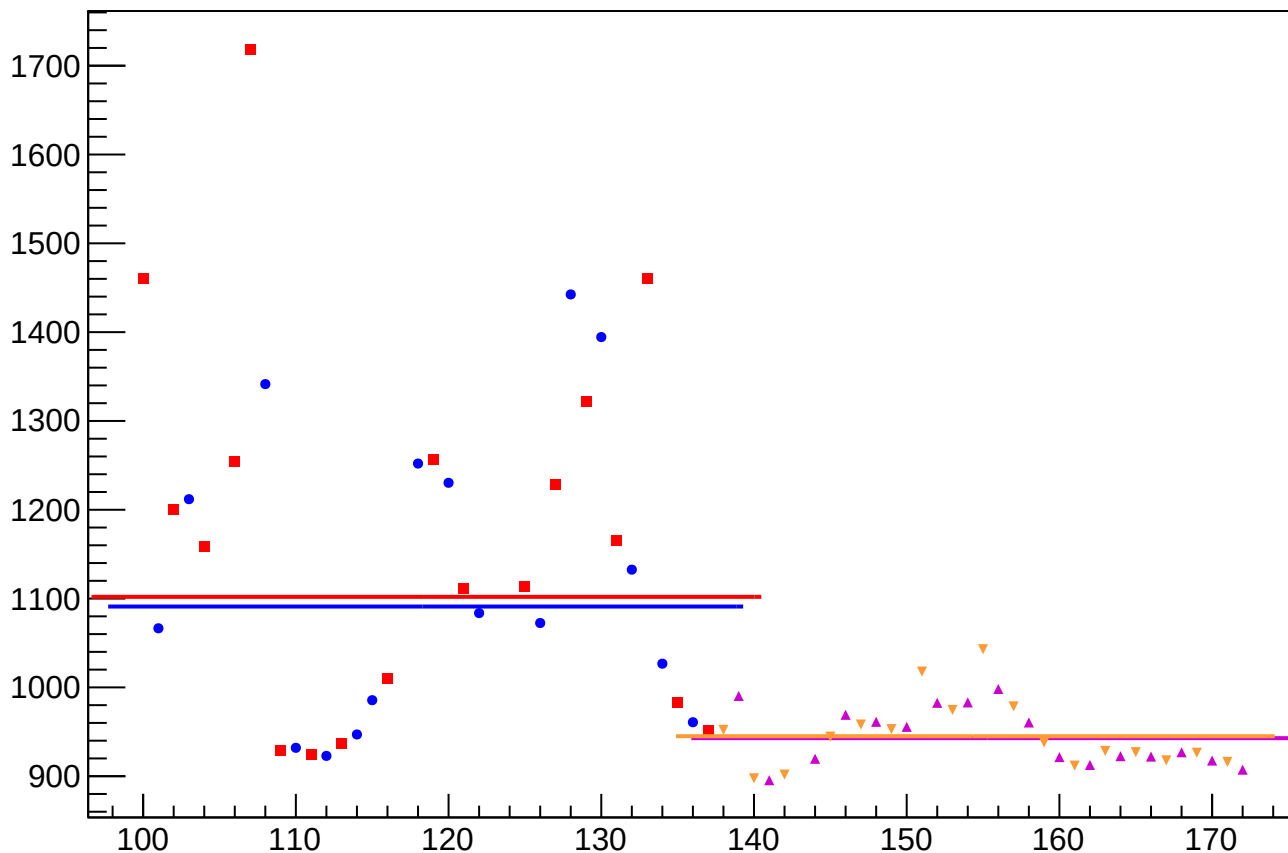
Left In: 324.936 ± 251.861 χ^2/NDF : 12.7/16

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

All: 378.023 ± 153.143 χ^2/NDF : 62.6/67

- sign 389.879 ± 214.828 χ^2/NDF : 19.4/34

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

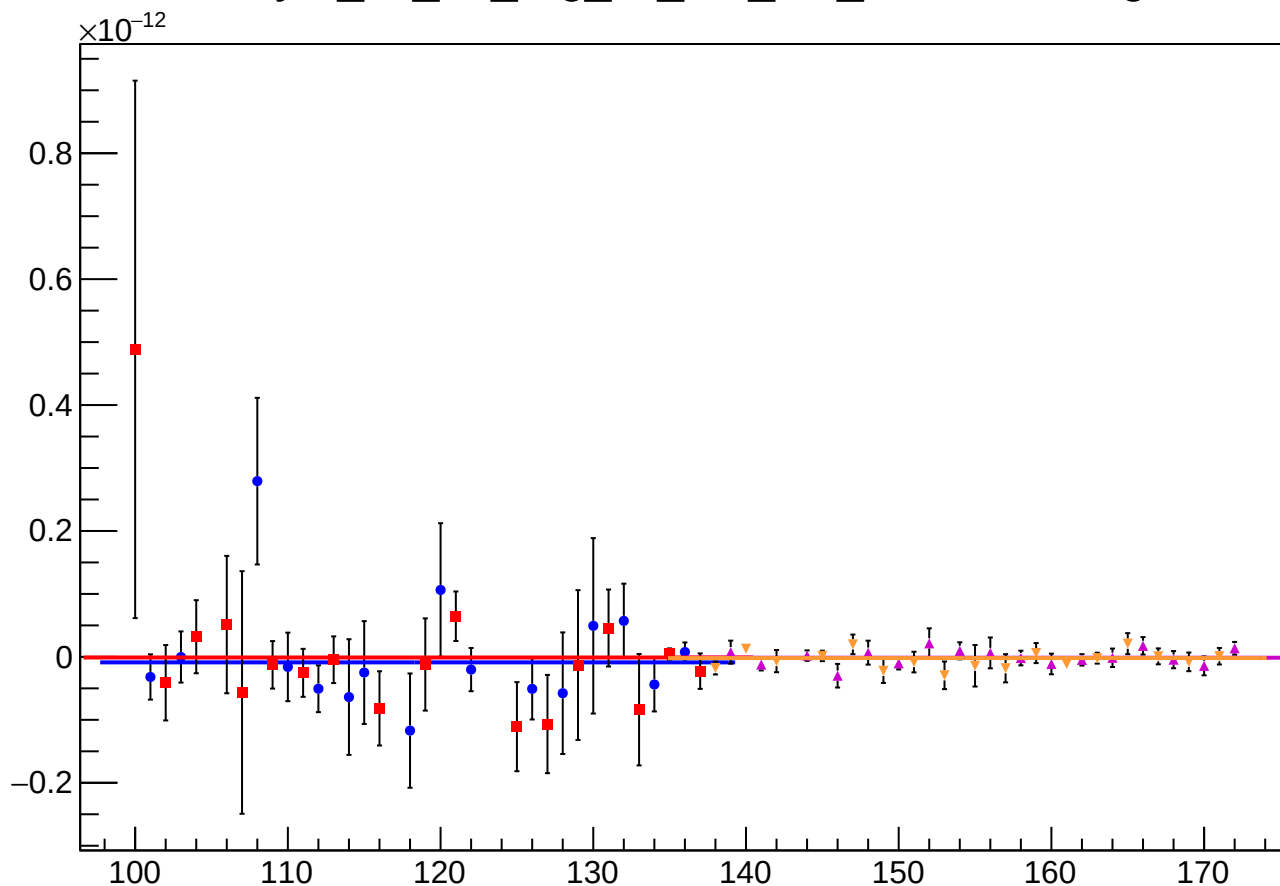
Left In: 942.831+/-0.178 χ^2/NDF : 31741.5/16

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

All: 986.321+/-0.108 χ^2/NDF : 1077252.8/67

- sign 986.186+/-0.152 χ^2/NDF : 577353.4/34

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

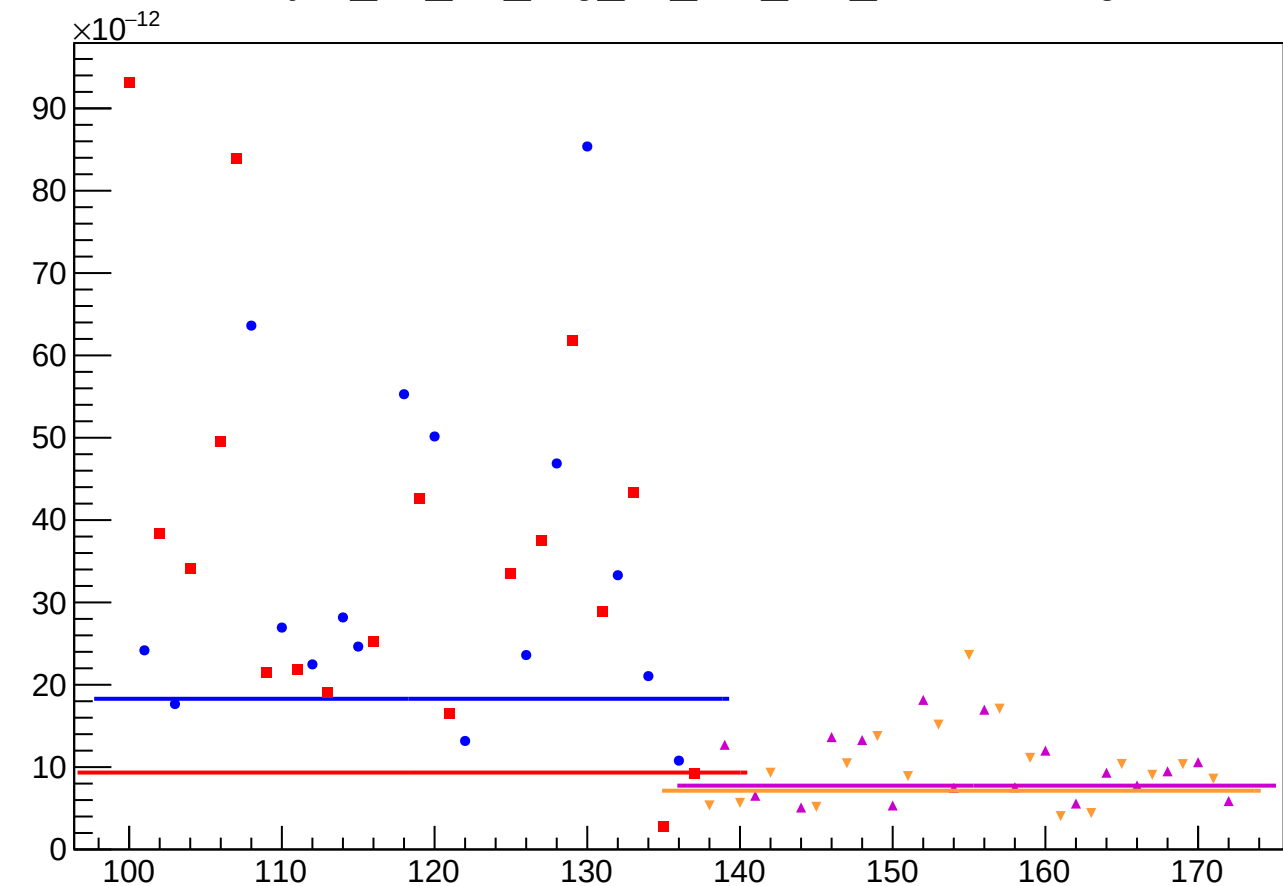
Left In: -0.000 ± 0.000 χ^2/NDF : 12.1/16

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

All: -0.000 ± 0.000 χ^2/NDF : 56.4/67

- sign -0.000 ± 0.000 χ^2/NDF : 26.4/34

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

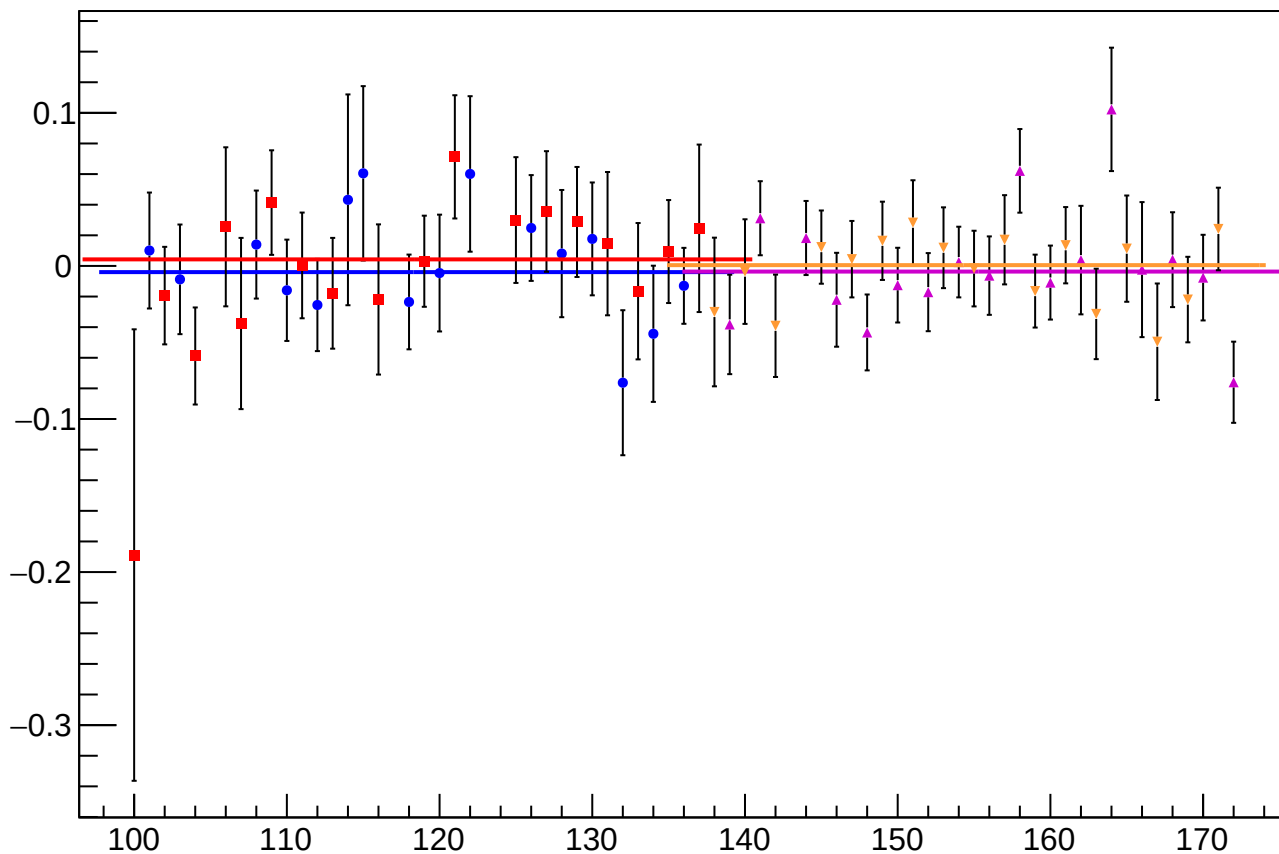
Left In: 0.000+/-0.000 χ^2/NDF : 1992965.9/16

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

All: 0.000+/-0.000 χ^2/NDF : 14336041.8/67

- sign 0.000+/-0.000 χ^2/NDF : 7214320.6/34

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

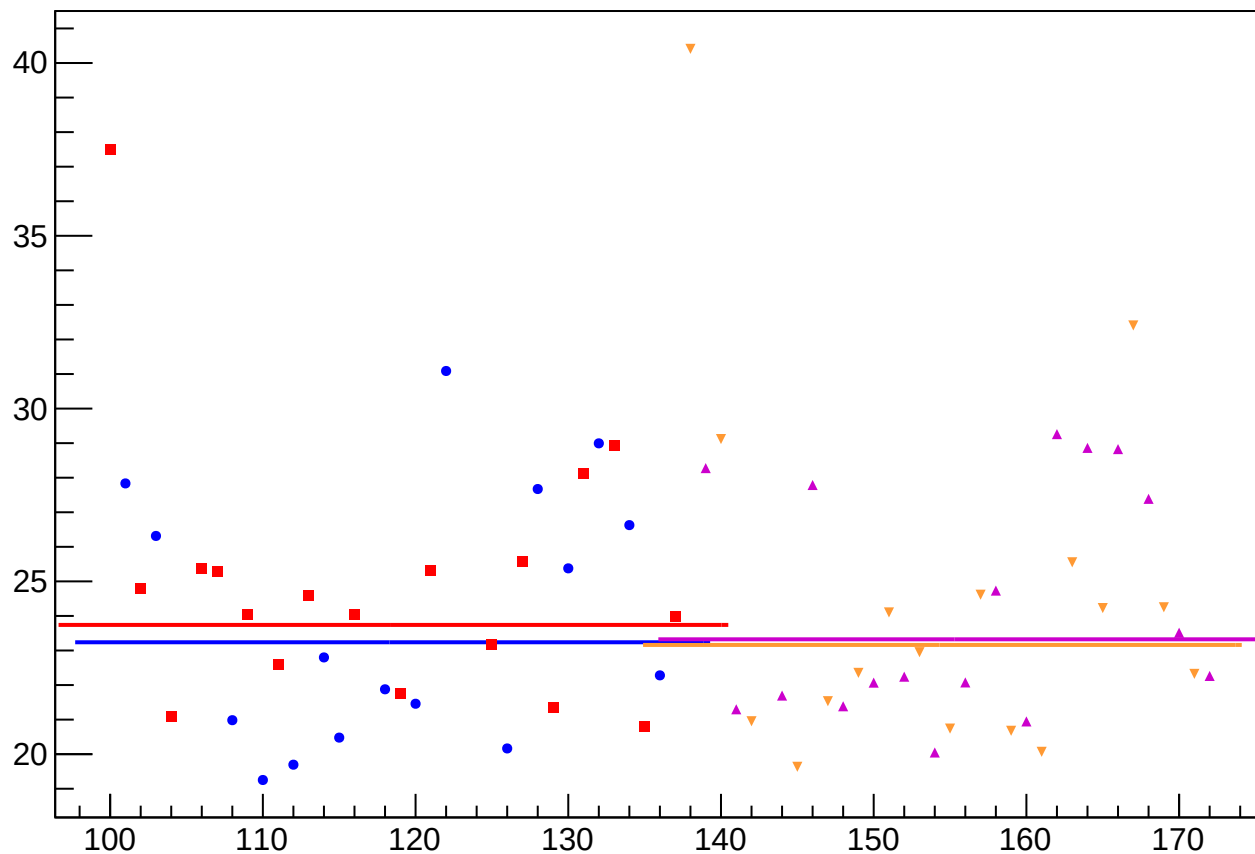
Left In: -0.004 ± 0.007 χ^2/NDF : 27.8/16

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

All: -0.001 ± 0.004 χ^2/NDF : 60.3/67

- sign -0.001 ± 0.005 χ^2/NDF : 41.8/34

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.238 ± 0.007 $\chi^2/\text{NDF}: 259235.5/15$

Left Out: 23.161 ± 0.005 $\chi^2/\text{NDF}: 592938.6/16$

Right Out: 23.740 ± 0.007 $\chi^2/\text{NDF}: 126183.6/17$

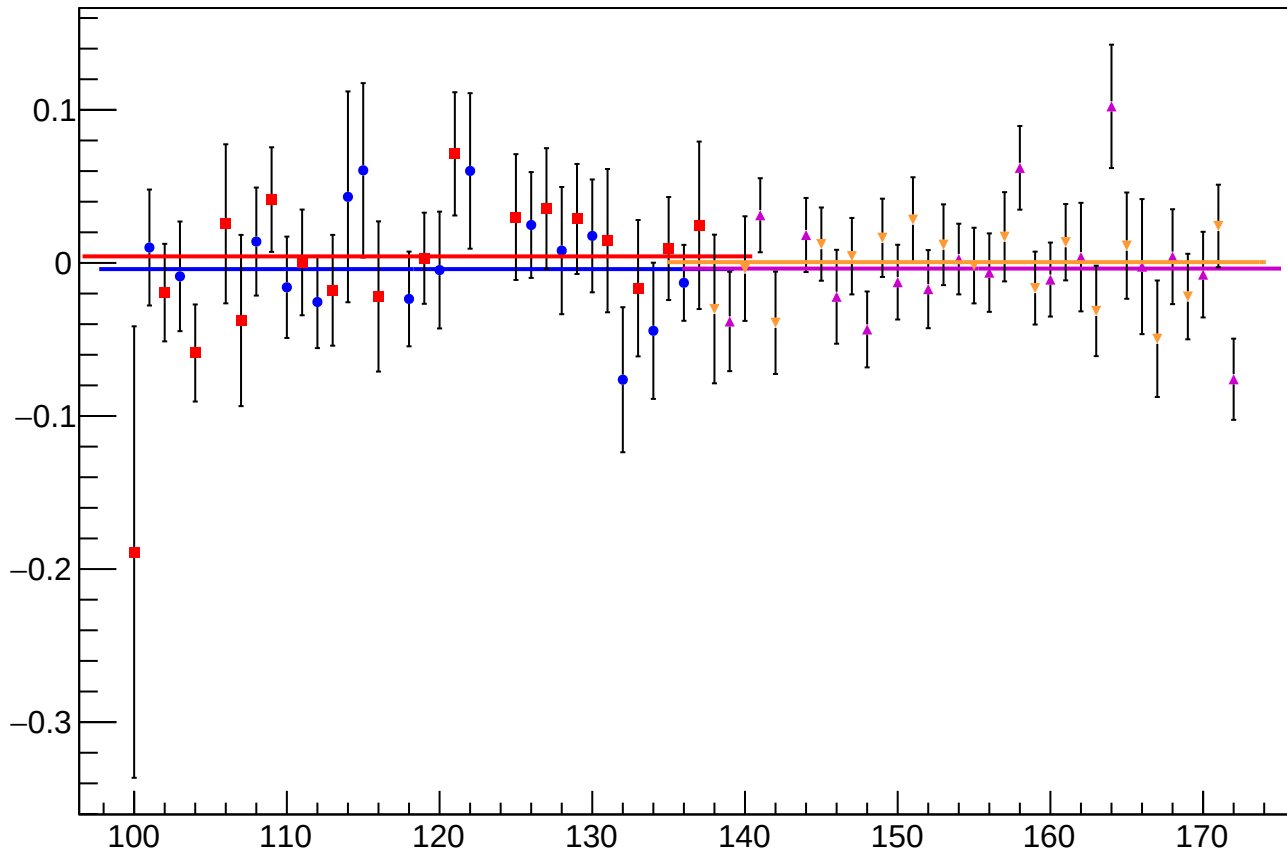
Left In: 23.324 ± 0.005 $\chi^2/\text{NDF}: 365424.8/16$

+ sign 23.188 ± 0.004 $\chi^2/\text{NDF}: 852263.9/32$

All: 23.329 ± 0.003 $\chi^2/\text{NDF}: 1349081.3/67$

- sign 23.465 ± 0.004 $\chi^2/\text{NDF}: 494249.5/34$

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

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

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

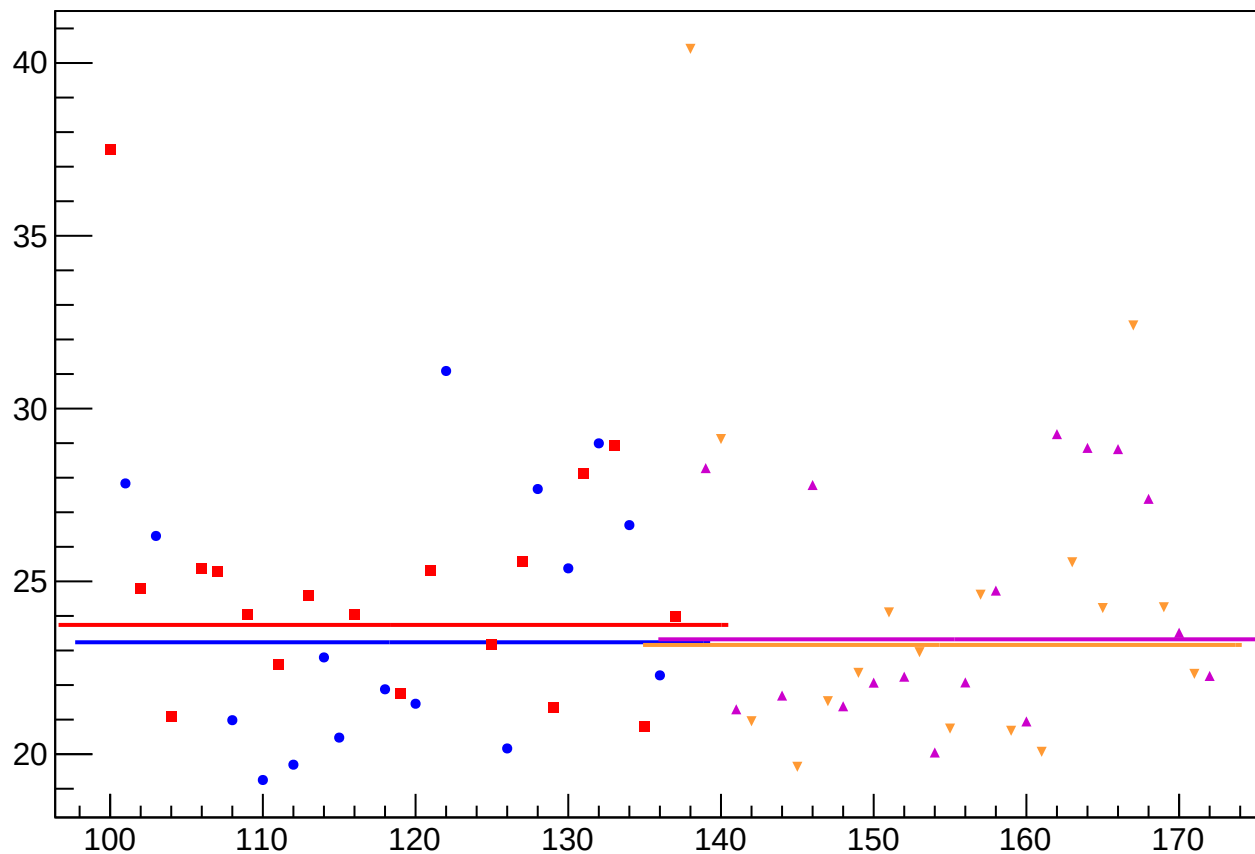
Left In: -0.004 ± 0.007 χ^2/NDF : 27.8/16

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

All: -0.001 ± 0.004 χ^2/NDF : 60.3/67

- sign -0.001 ± 0.005 χ^2/NDF : 41.8/34

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.238 $\pm$ 0.007 χ^2/NDF : 259235.5/15

Left Out: 23.161 $\pm$ 0.005 χ^2/NDF : 592938.6/16

Right Out: 23.740 $\pm$ 0.007 χ^2/NDF : 126183.6/17

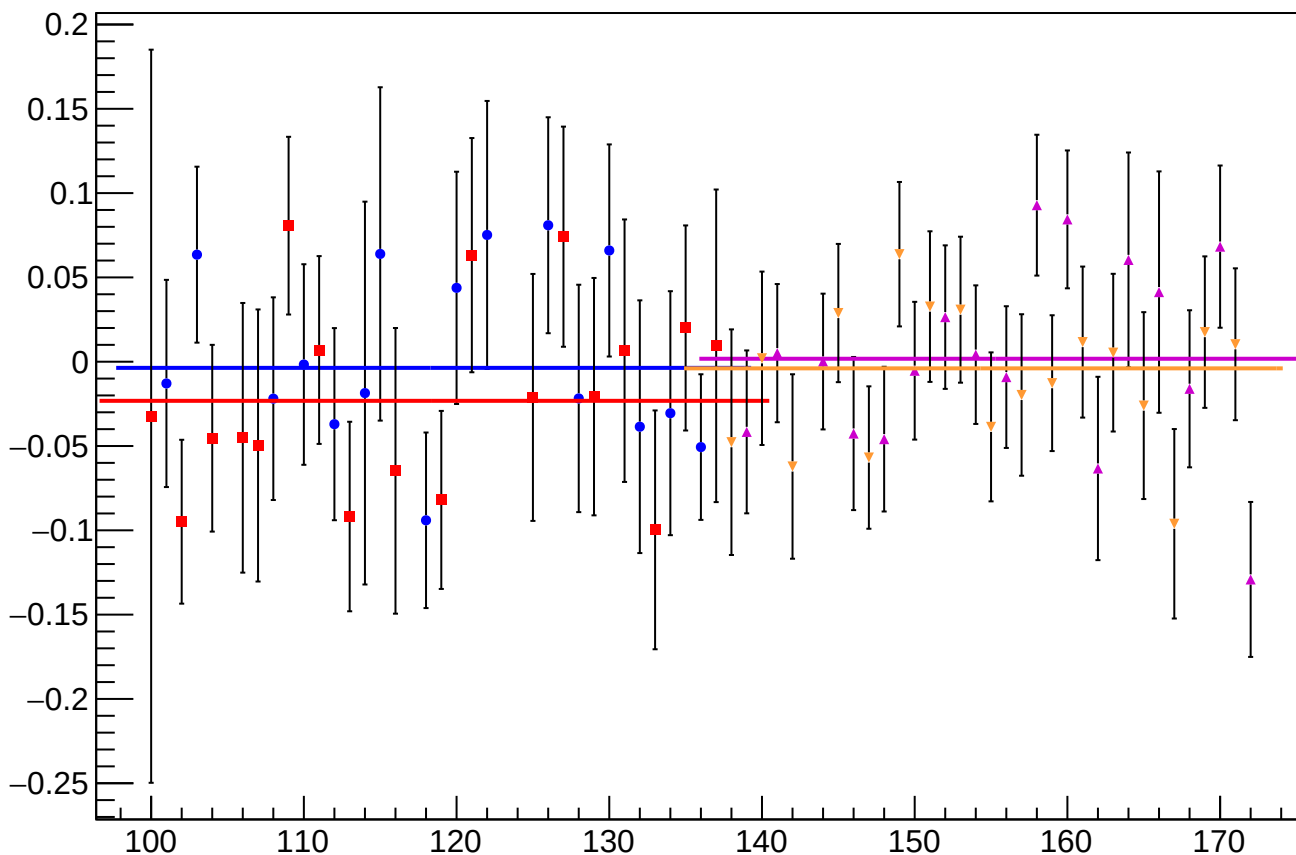
Left In: 23.324 $\pm$ 0.005 χ^2/NDF : 365424.8/16

+ sign 23.188 $\pm$ 0.004 χ^2/NDF : 852263.9/32

All: 23.329 $\pm$ 0.003 χ^2/NDF : 1349081.3/67

- sign 23.465 $\pm$ 0.004 χ^2/NDF : 494249.5/34

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

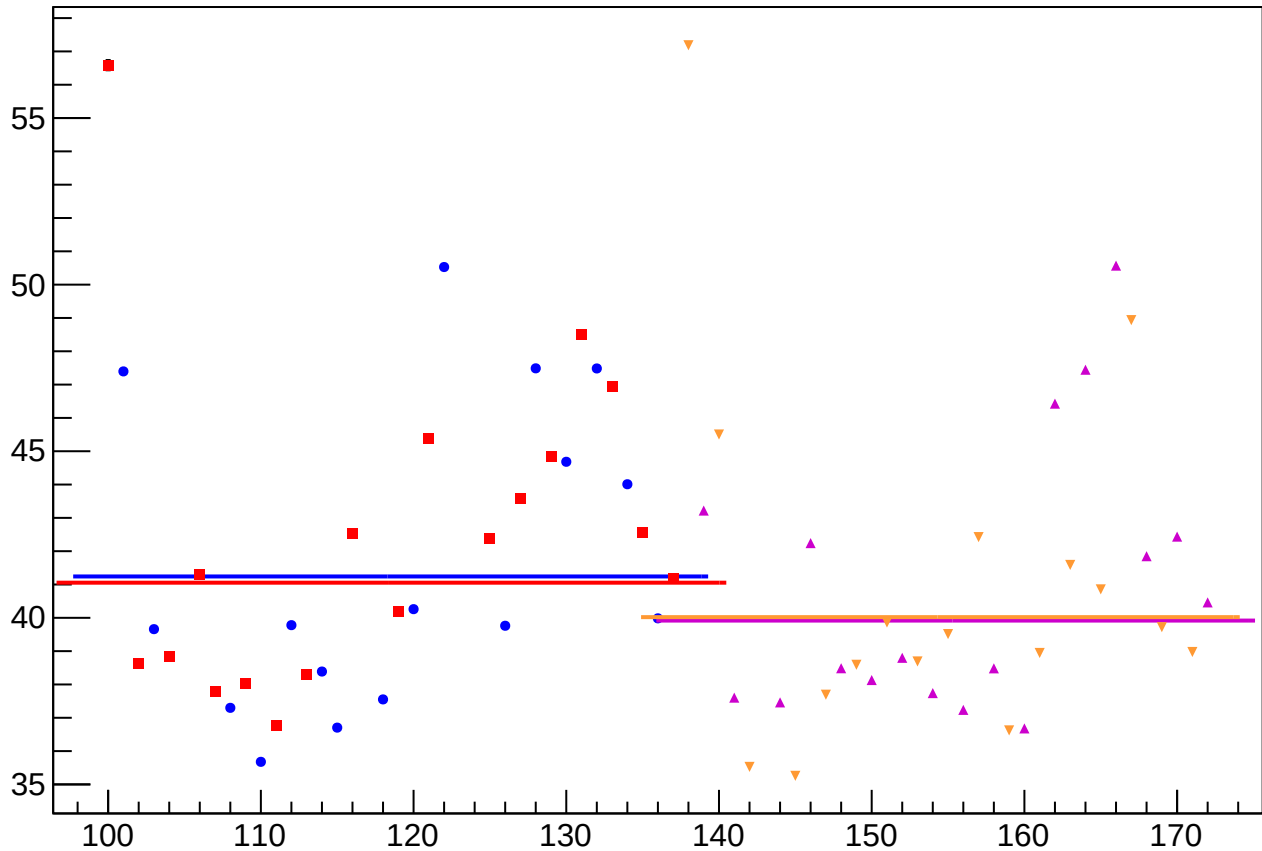
Left In: 0.002 ± 0.011 χ^2/NDF : 25.0/16

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

All: -0.005 ± 0.006 χ^2/NDF : 65.6/67

- sign -0.007 ± 0.009 χ^2/NDF : 42.1/34

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.242 ± 0.011 $\chi^2/\text{NDF}: 135279.1/15$

Left Out: 40.020 ± 0.008 $\chi^2/\text{NDF}: 279970.5/16$

Right Out: 41.055 ± 0.011 $\chi^2/\text{NDF}: 96560.6/17$

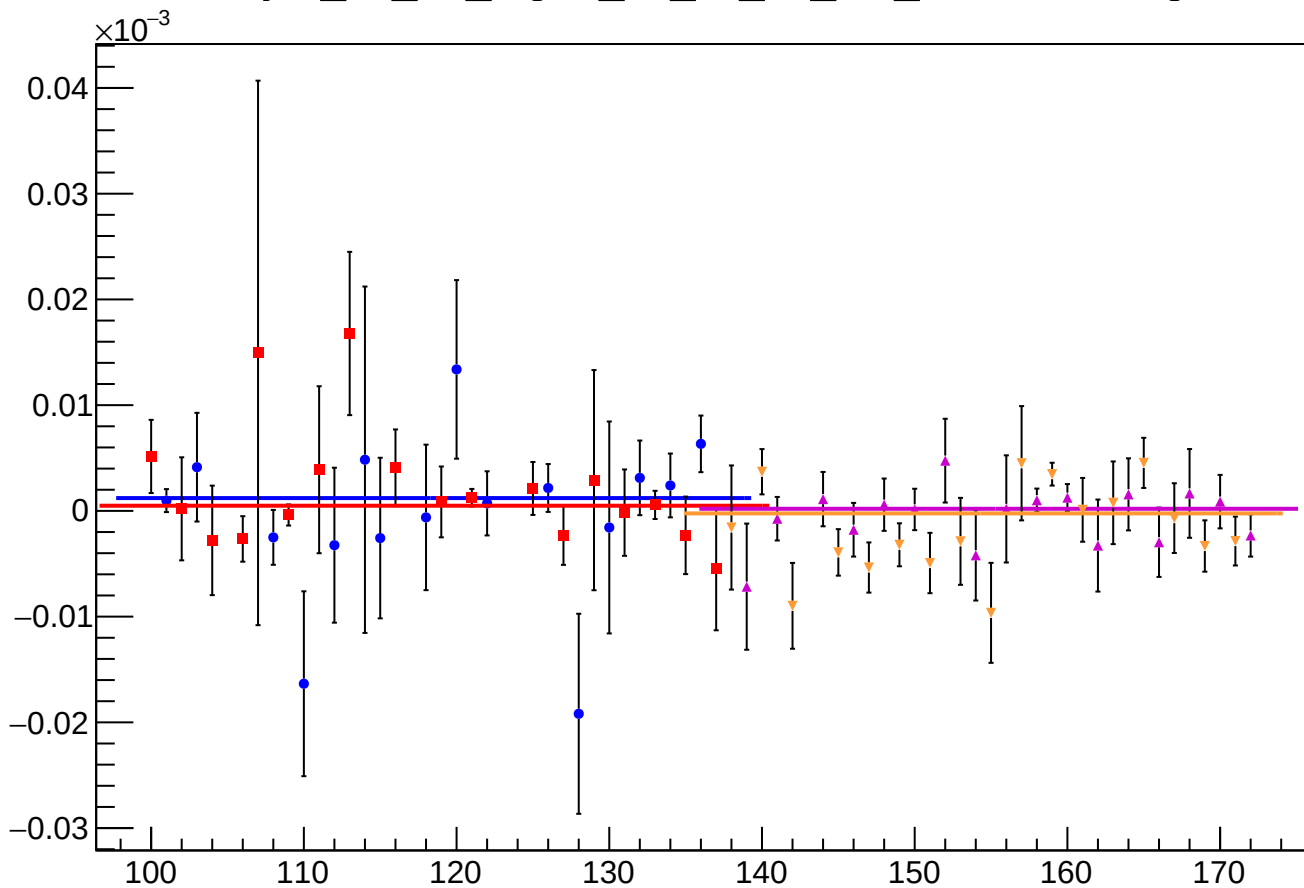
Left In: 39.918 ± 0.008 $\chi^2/\text{NDF}: 174565.5/16$

+ sign 40.436 ± 0.006 $\chi^2/\text{NDF}: 423193.9/32$

All: 40.365 ± 0.005 $\chi^2/\text{NDF}: 701719.4/67$

- sign 40.297 ± 0.006 $\chi^2/\text{NDF}: 278290.7/34$

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:44.4/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/17

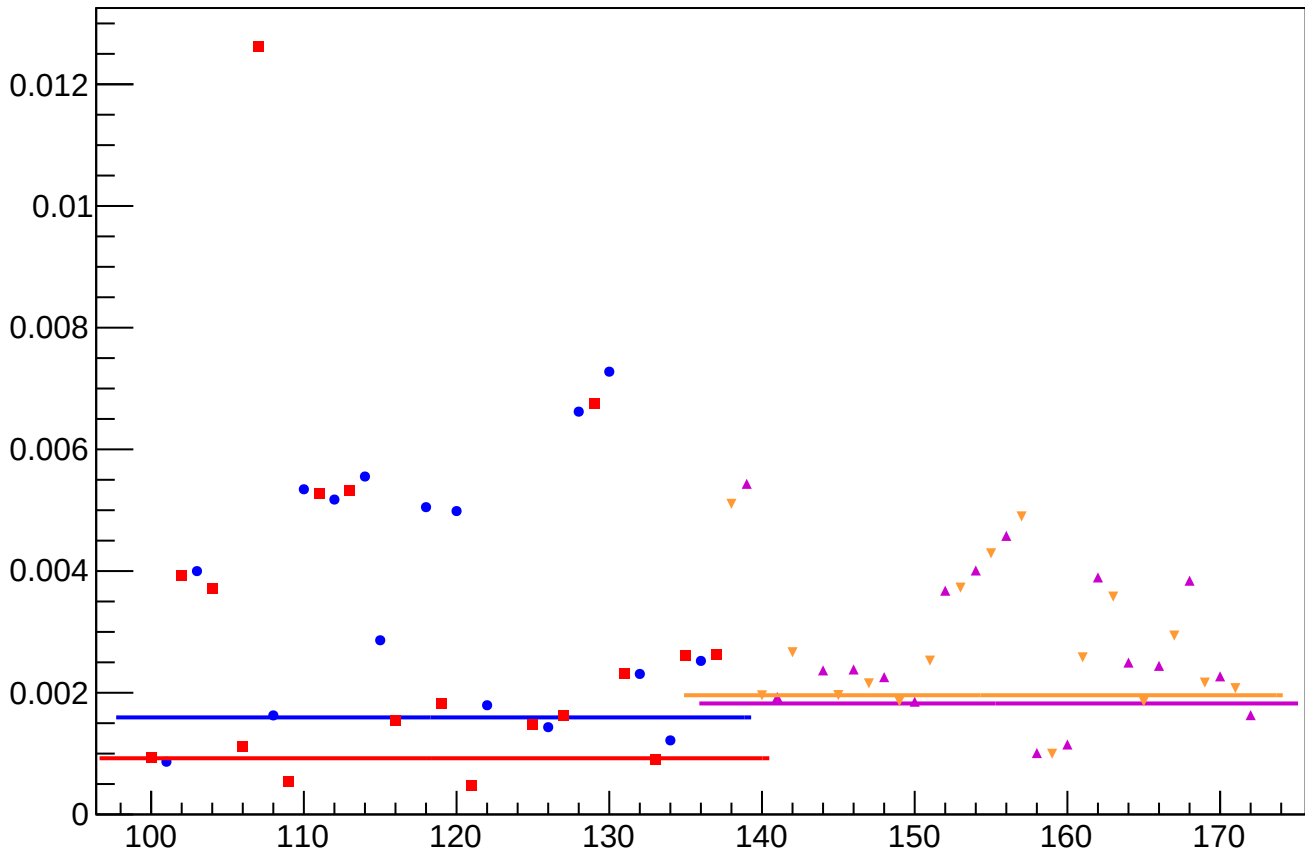
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.0/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 89.8/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/34

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

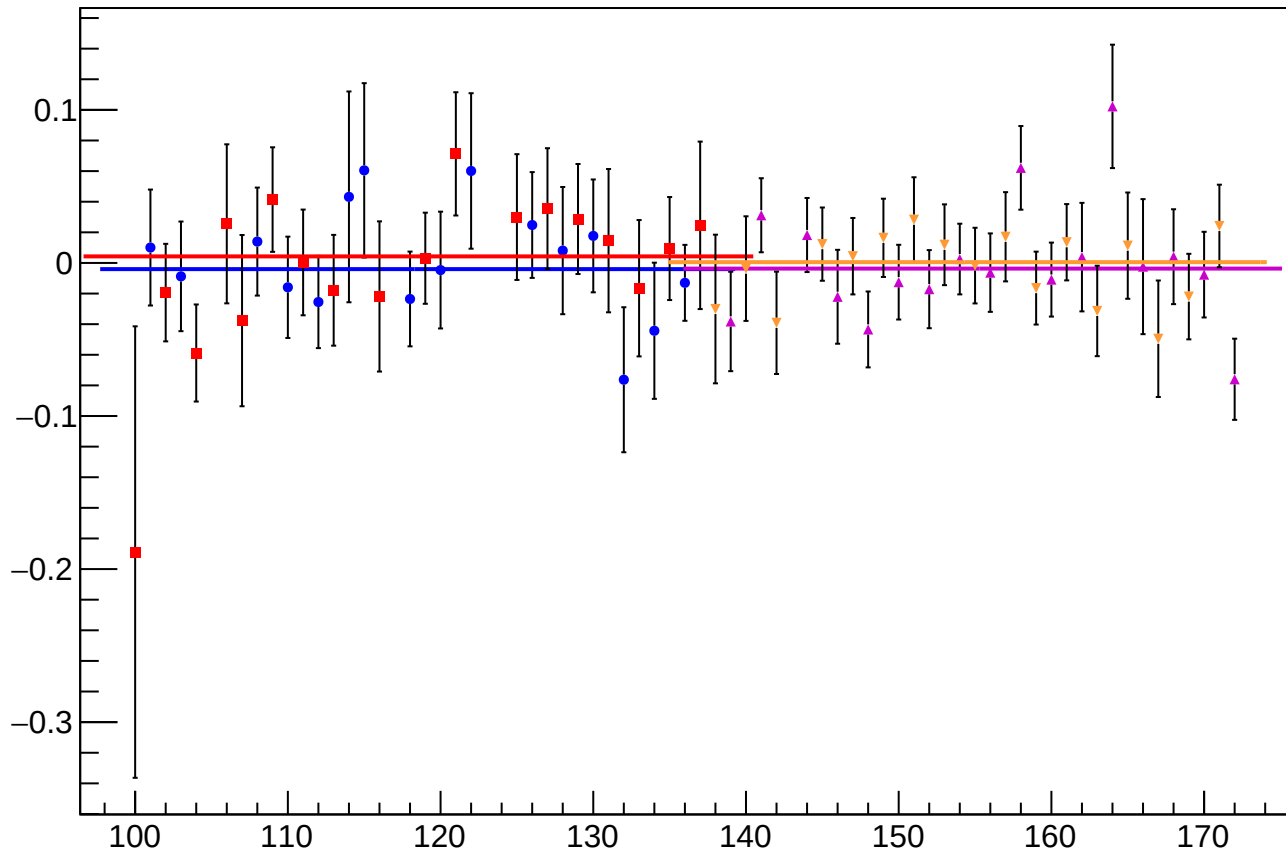
Left In: 0.002 ± 0.000 χ^2/NDF : 5325641.3/16

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

All: 0.002 ± 0.000 χ^2/NDF : 24874943.6/67

- sign 0.001 ± 0.000 χ^2/NDF : 14042093.3/34

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

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

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

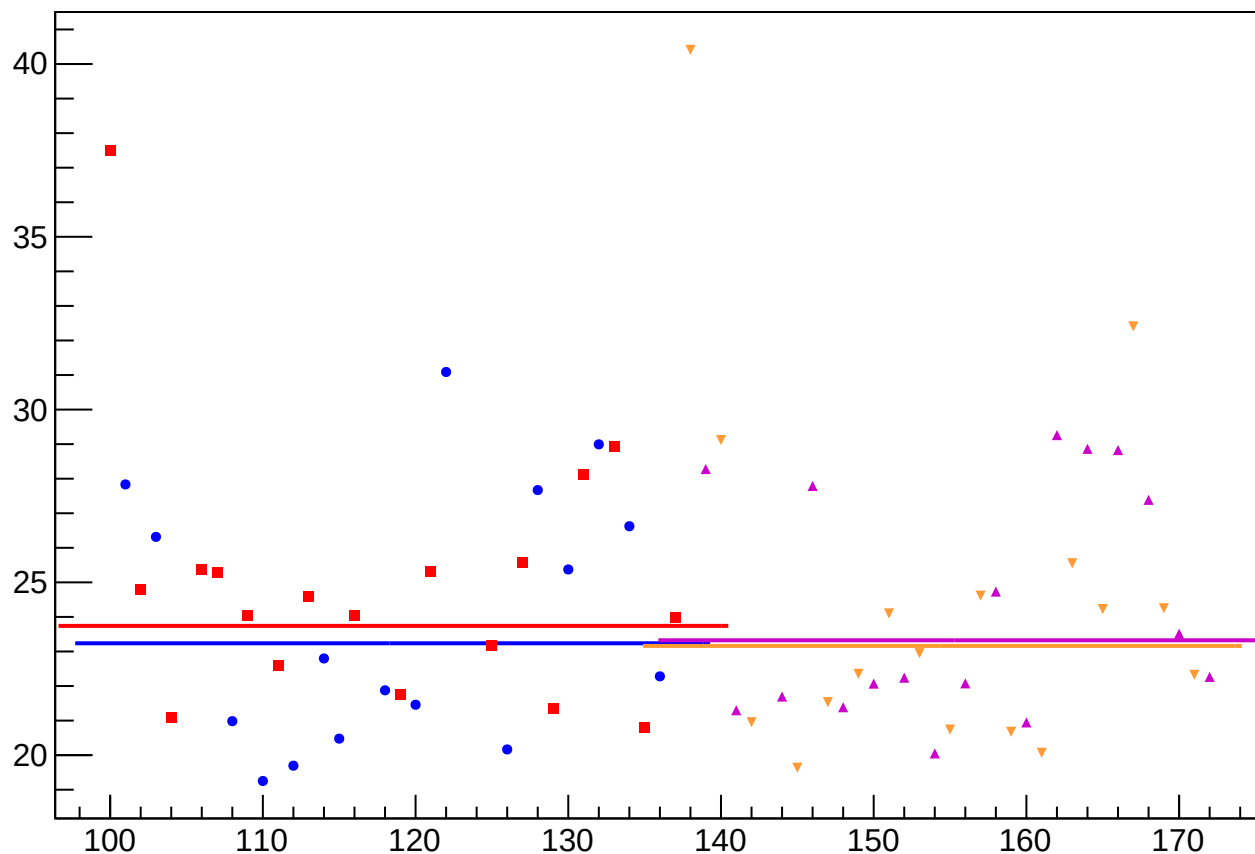
Left In: -0.004 ± 0.007 χ^2/NDF : 27.8/16

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

All: -0.001 ± 0.004 χ^2/NDF : 60.3/67

- sign -0.001 ± 0.005 χ^2/NDF : 41.8/34

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 0.007 χ^2 /NDF: 259224.2/15

Left Out: 23.161 $\pm$ 0.005 χ^2 /NDF: 592959.5/16

Right Out: 23.741 $\pm$ 0.007 χ^2 /NDF: 126132.7/17

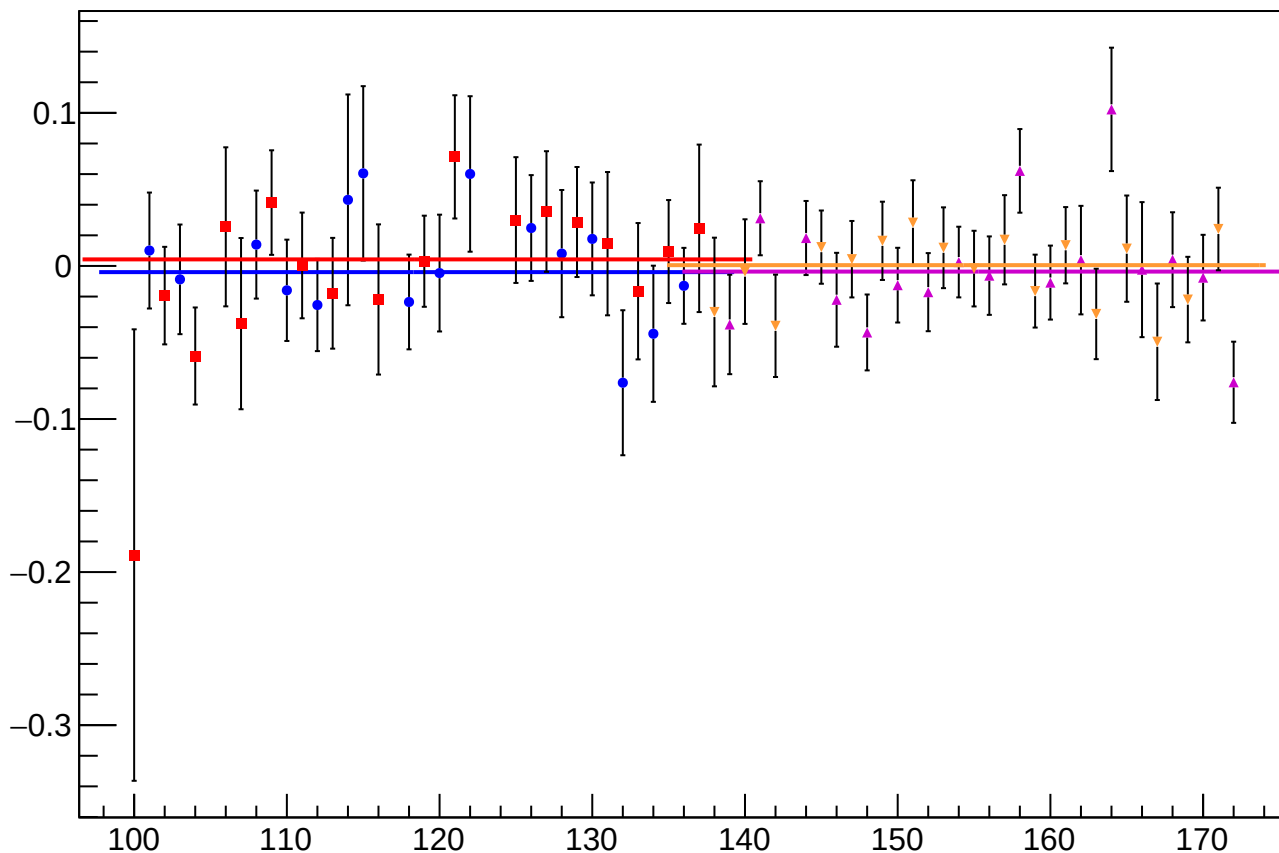
Left In: 23.324 $\pm$ 0.005 χ^2 /NDF: 365373.6/16

+ sign 23.188 $\pm$ 0.004 χ^2 /NDF: 852271.8/32

All: 23.329 $\pm$ 0.003 χ^2 /NDF: 1348995.0/67

- sign 23.466 $\pm$ 0.004 χ^2 /NDF: 494146.5/34

asym_us_dd_eigen_dit_vs_eigen_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

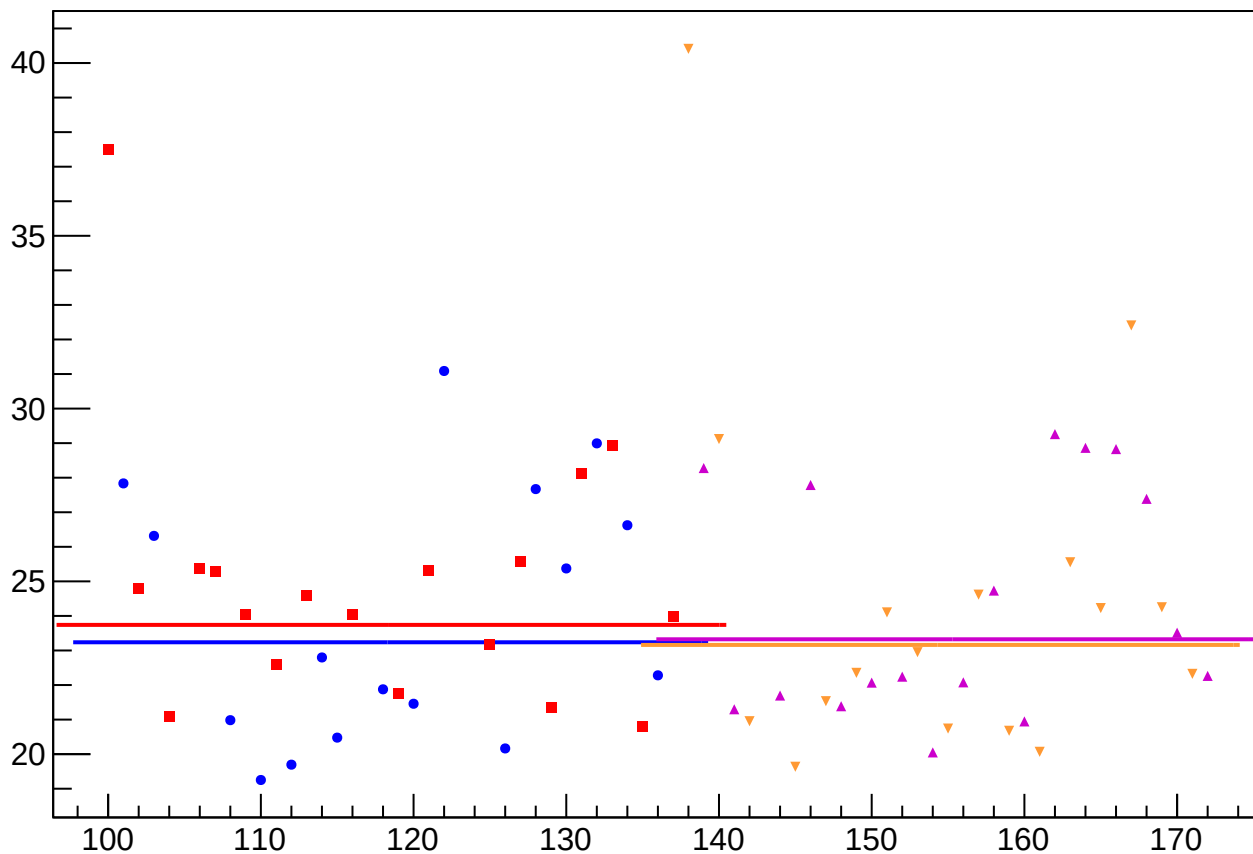
Left In: -0.004 ± 0.007 χ^2/NDF : 27.8/16

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

All: -0.001 ± 0.004 χ^2/NDF : 60.3/67

- sign -0.001 ± 0.005 χ^2/NDF : 41.8/34

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.237 $\pm$ 0.007 χ^2/NDF : 259224.2/15

Left Out: 23.161 $\pm$ 0.005 χ^2/NDF : 592959.5/16

Right Out: 23.741 $\pm$ 0.007 χ^2/NDF : 126132.7/17

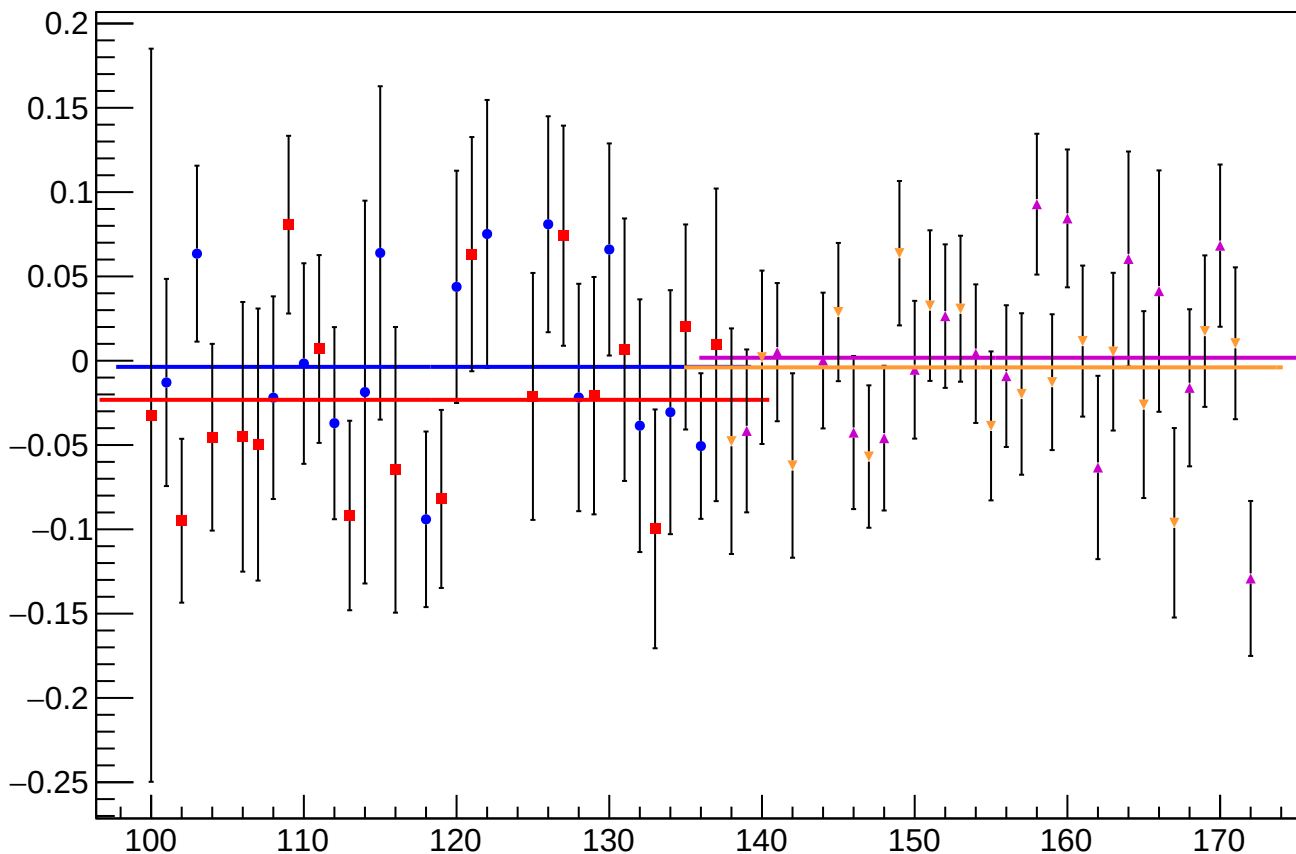
Left In: 23.324 $\pm$ 0.005 χ^2/NDF : 365373.6/16

+ sign 23.188 $\pm$ 0.004 χ^2/NDF : 852271.8/32

All: 23.329 $\pm$ 0.003 χ^2/NDF : 1348995.0/67

- sign 23.466 $\pm$ 0.004 χ^2/NDF : 494146.5/34

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

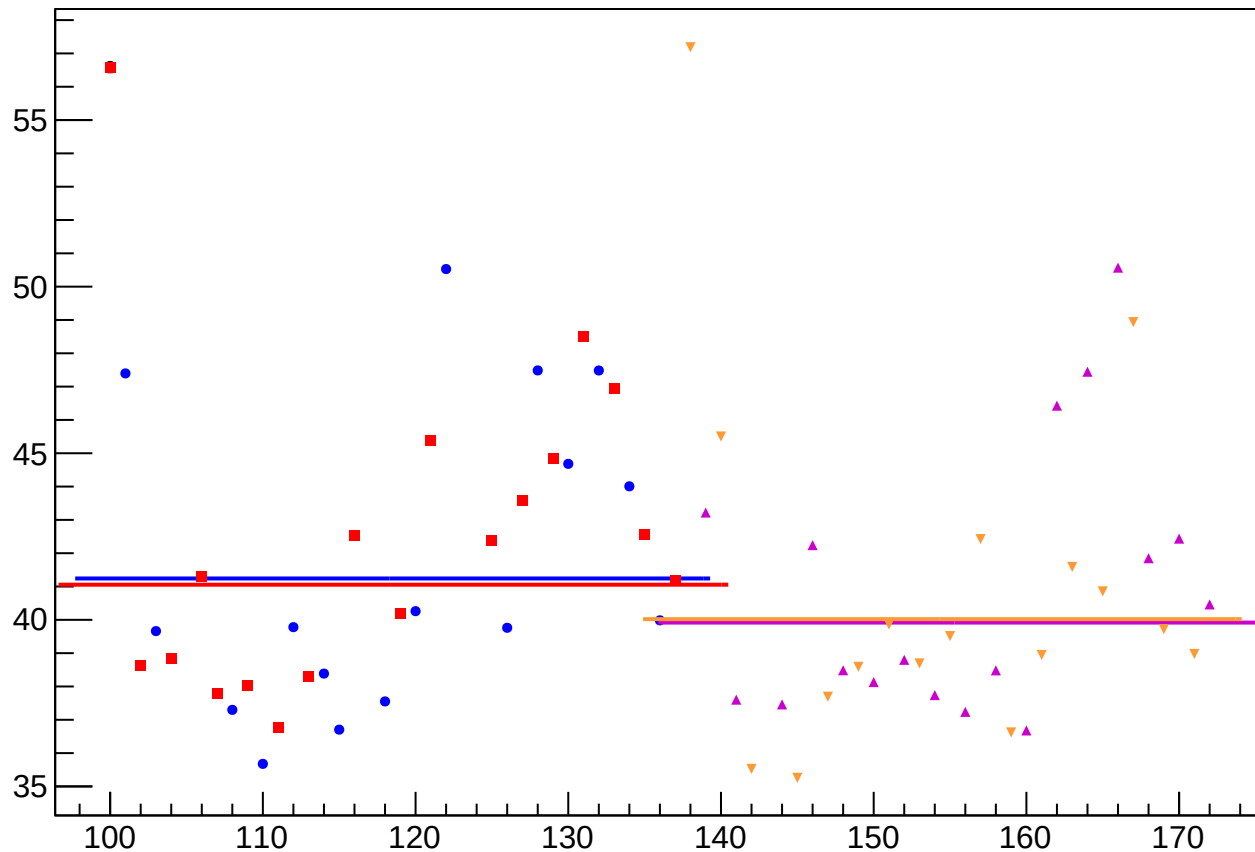
Left In: 0.002 ± 0.011 χ^2/NDF : 25.0/16

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

All: -0.005 ± 0.006 χ^2/NDF : 65.6/67

- sign -0.007 ± 0.009 χ^2/NDF : 42.1/34

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.241 $\pm$ 0.011 χ^2 /NDF: 135256.9/15

Left Out: 40.021 $\pm$ 0.008 χ^2 /NDF: 279974.2/16

Right Out: 41.055 $\pm$ 0.011 χ^2 /NDF: 96549.4/17

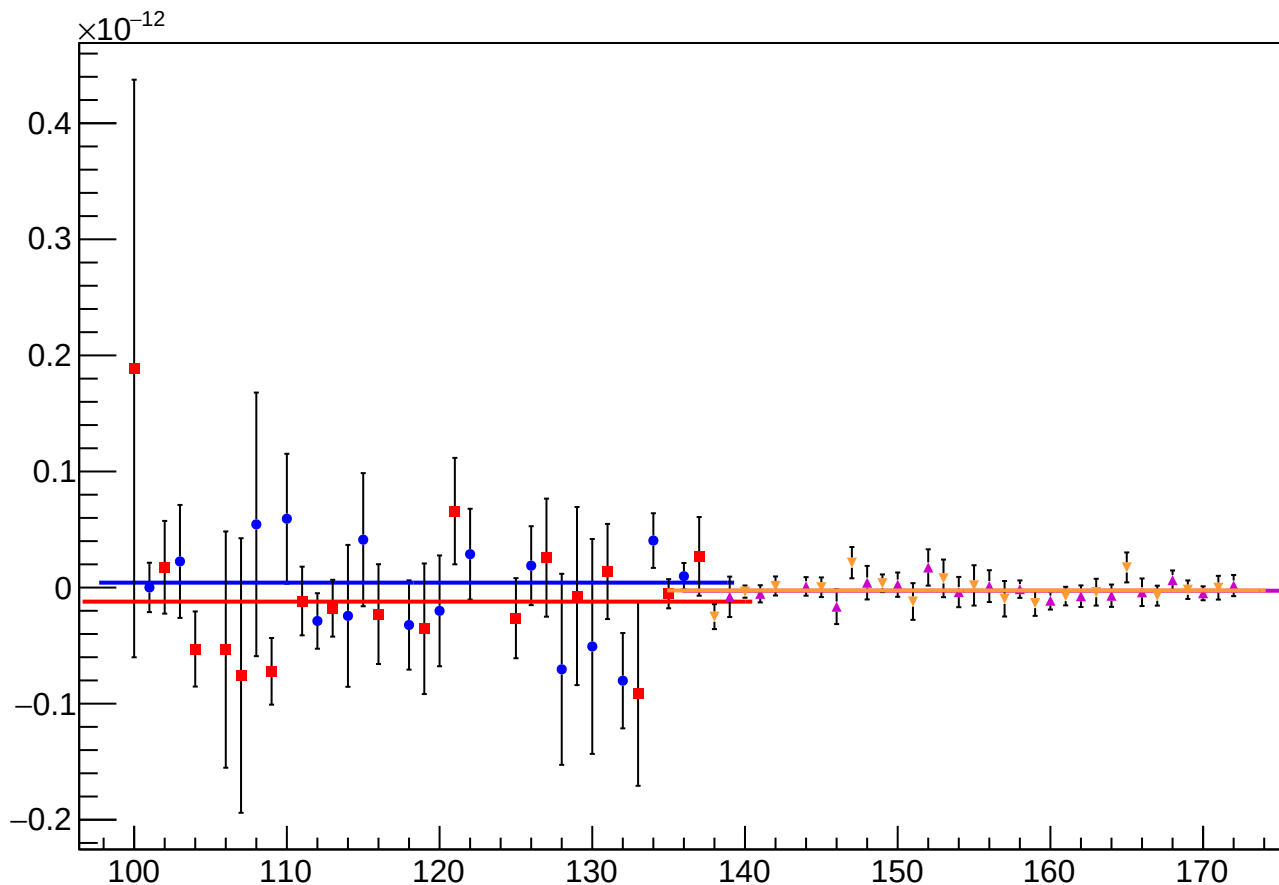
Left In: 39.918 $\pm$ 0.008 χ^2 /NDF: 174572.6/16

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

All: 40.365 $\pm$ 0.005 χ^2 /NDF: 701690.1/67

- sign 40.297 $\pm$ 0.006 χ^2 /NDF: 278284.4/34

asym_us_dd_eigen_cor_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 : 13.7/16

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

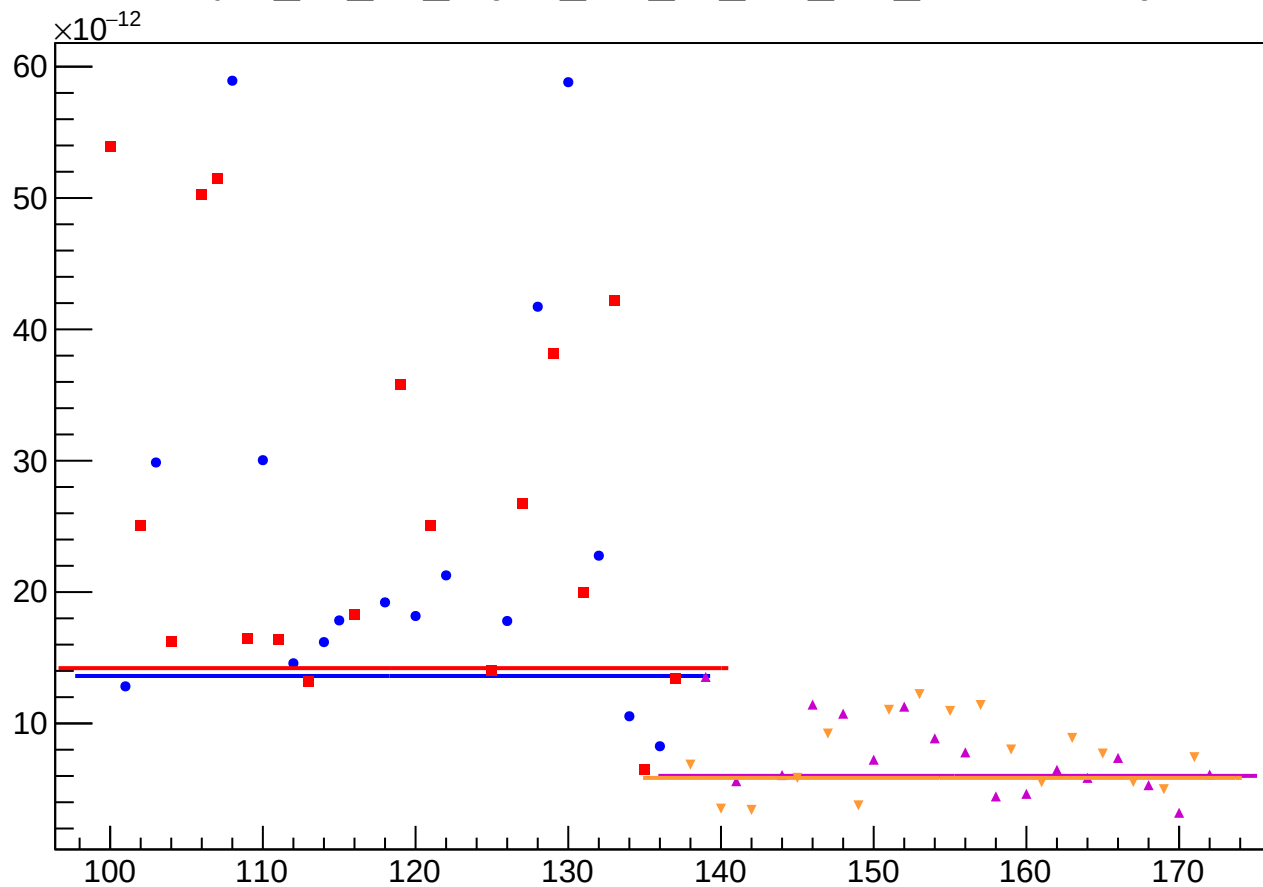
Left In: -0.000 ± 0.000 χ^2/NDF : 6.8/16

+ sign -0.000 ± 0.000 χ^2/NDF : 28.1/32

All: -0.000 ± 0.000 χ^2/NDF : 51.1/67

- sign -0.000 ± 0.000 χ^2/NDF : 22.7/34

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF : 2158969.4/16

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

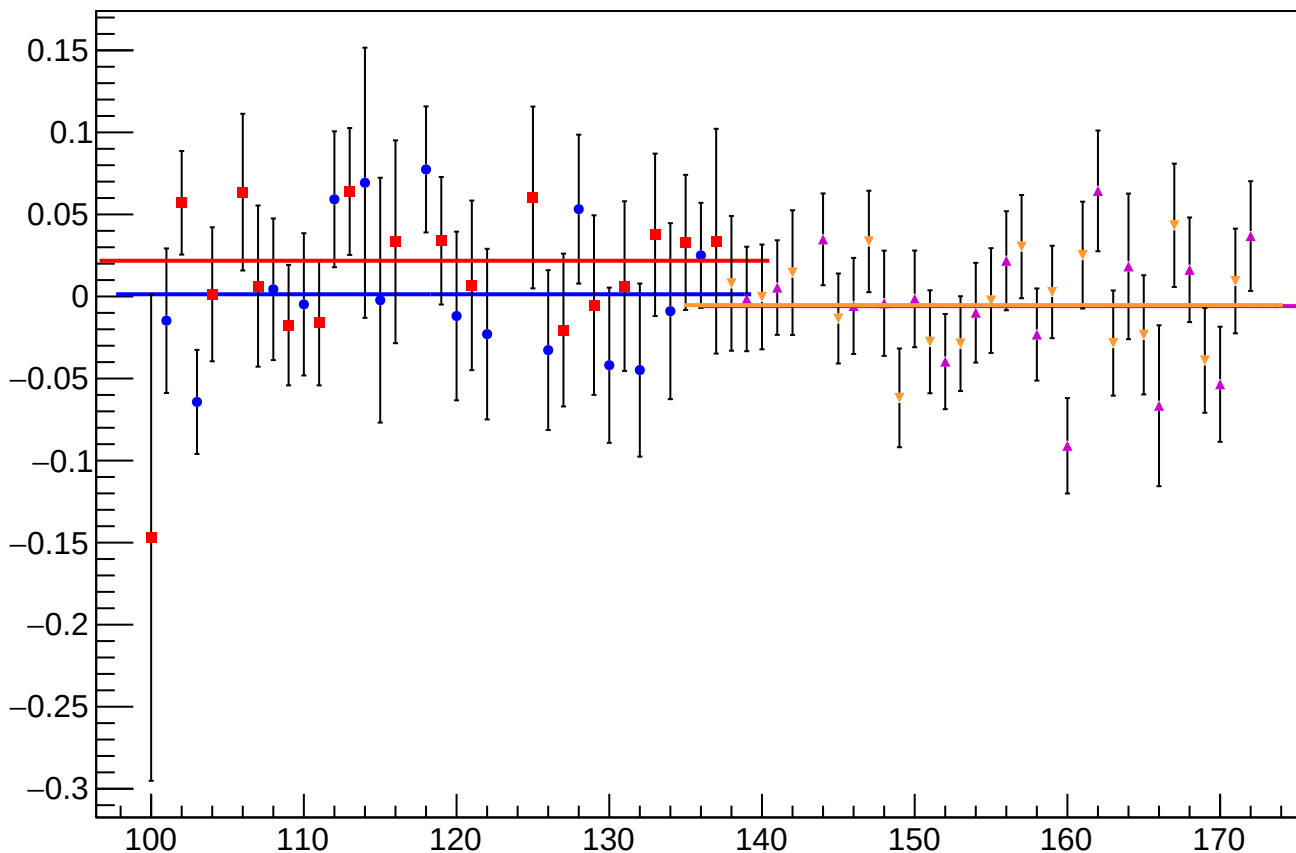
Left In: 0.000+/-0.000 χ^2/NDF : 1876729.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 6363134.9/32

All: 0.000+/-0.000 χ^2/NDF : 12754320.2/67

- sign 0.000+/-0.000 χ^2/NDF : 6388172.5/34

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.001 ± 0.011 $\chi^2/\text{NDF}: 15.3/15$

Left Out: -0.005 ± 0.008 $\chi^2/\text{NDF}: 12.8/16$

Right Out: 0.022 ± 0.011 $\chi^2/\text{NDF}: 9.0/17$

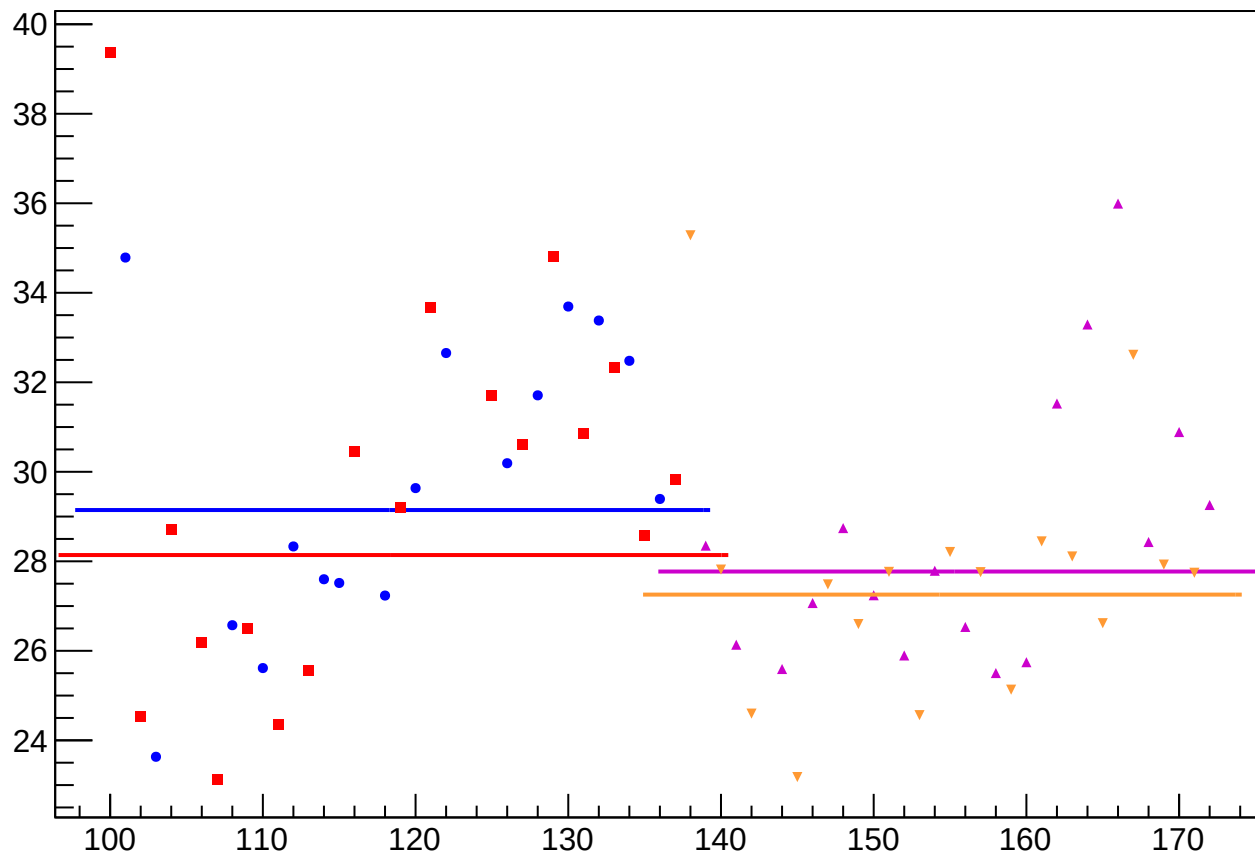
Left In: -0.006 ± 0.008 $\chi^2/\text{NDF}: 22.9/16$

+ sign -0.003 ± 0.006 $\chi^2/\text{NDF}: 28.3/32$

All: 0.000 ± 0.004 $\chi^2/\text{NDF}: 65.1/67$

- sign 0.003 ± 0.006 $\chi^2/\text{NDF}: 36.3/34$

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.146 $\pm$ 0.008 χ^2/NDF : 176889.4/15

Left Out: 27.256 $\pm$ 0.005 χ^2/NDF : 210430.1/16

Right Out: 28.140 $\pm$ 0.008 χ^2/NDF : 187103.8/17

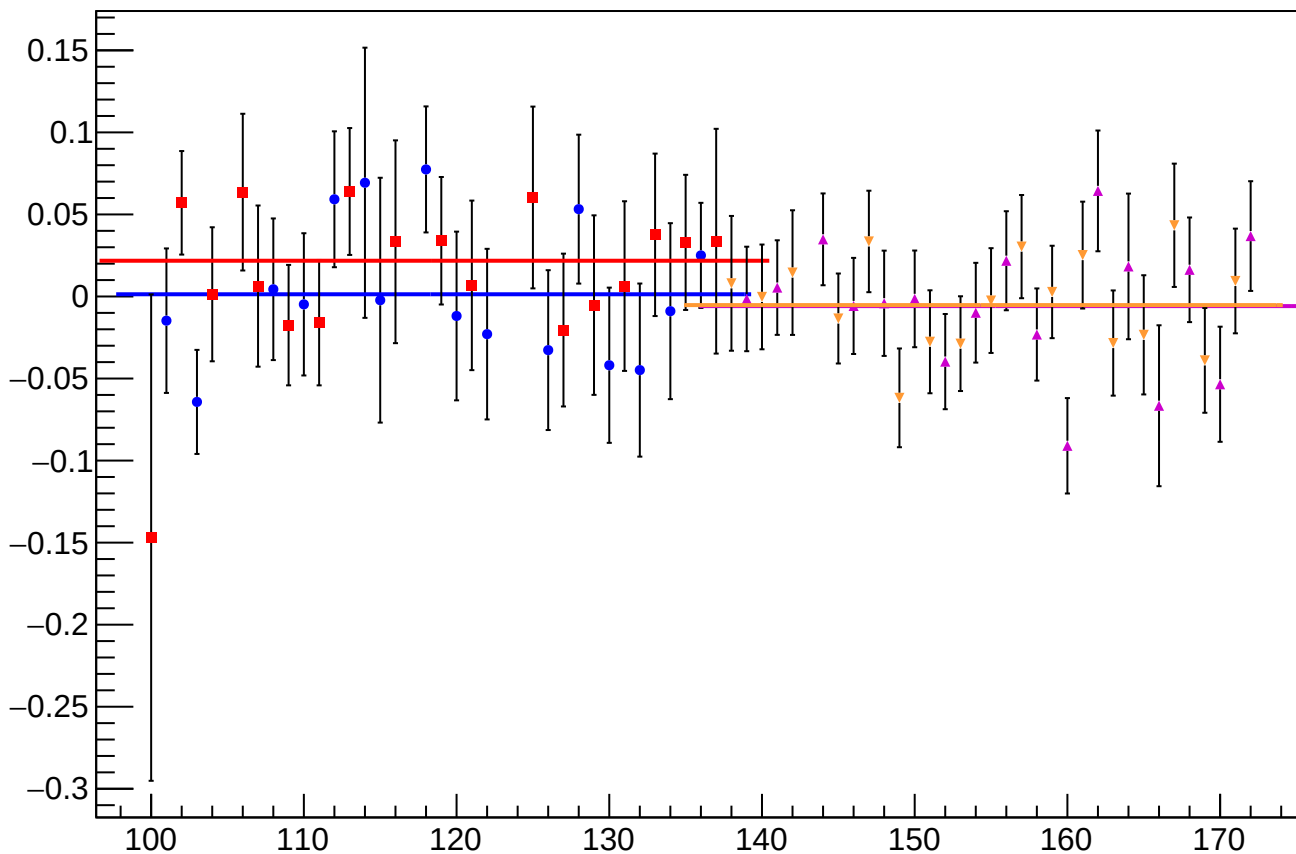
Left In: 27.772 $\pm$ 0.005 χ^2/NDF : 185936.8/16

+ sign 27.869 $\pm$ 0.005 χ^2/NDF : 425688.9/32

All: 27.883 $\pm$ 0.003 χ^2/NDF : 800296.0/67

- sign 27.896 $\pm$ 0.004 χ^2/NDF : 374589.2/34

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

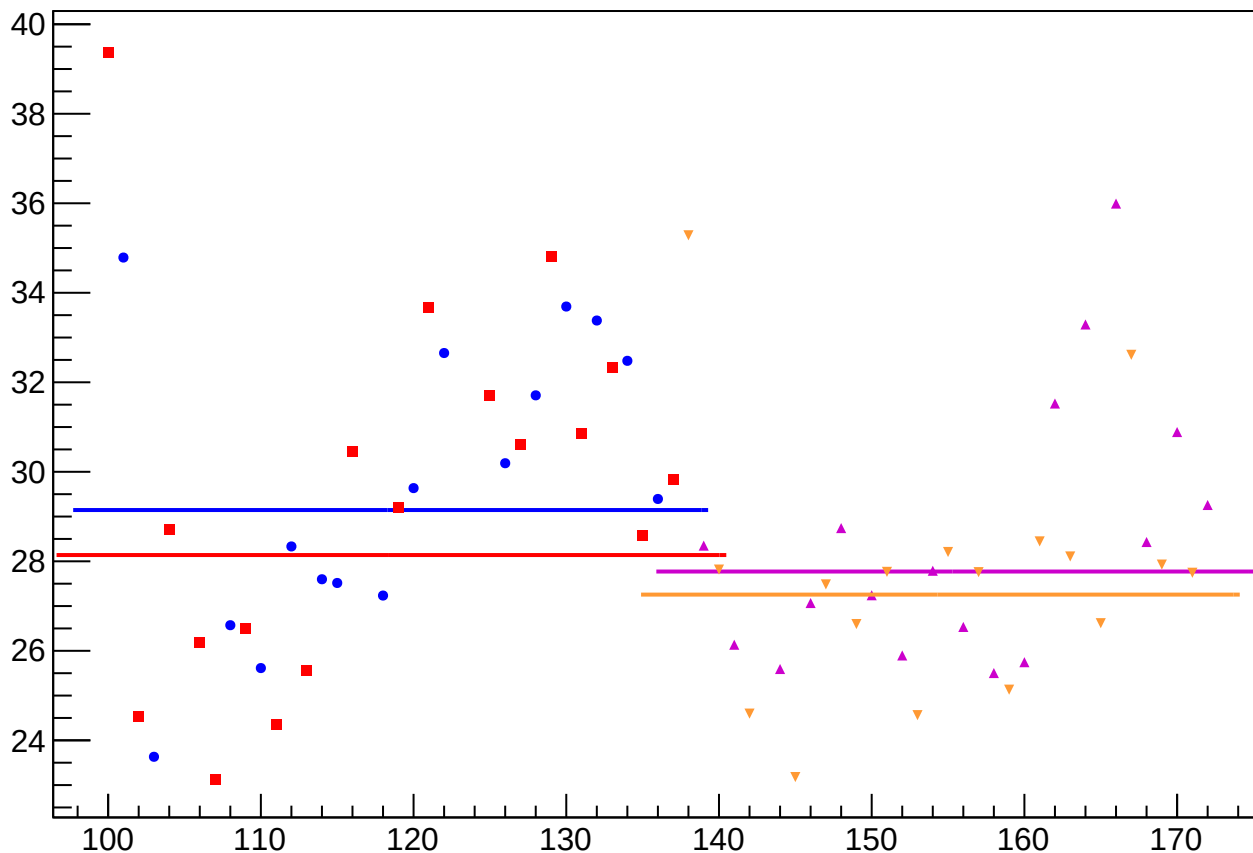
Left In: -0.006 ± 0.008 χ^2/NDF : 22.9/16

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

All: 0.000 ± 0.004 χ^2/NDF : 65.1/67

- sign 0.003 ± 0.006 χ^2/NDF : 36.3/34

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 29.146 $\pm$ 0.008 χ^2 /NDF: 176889.4/15

Left Out: 27.256 $\pm$ 0.005 χ^2 /NDF: 210430.1/16

Right Out: 28.140 $\pm$ 0.008 χ^2 /NDF: 187103.8/17

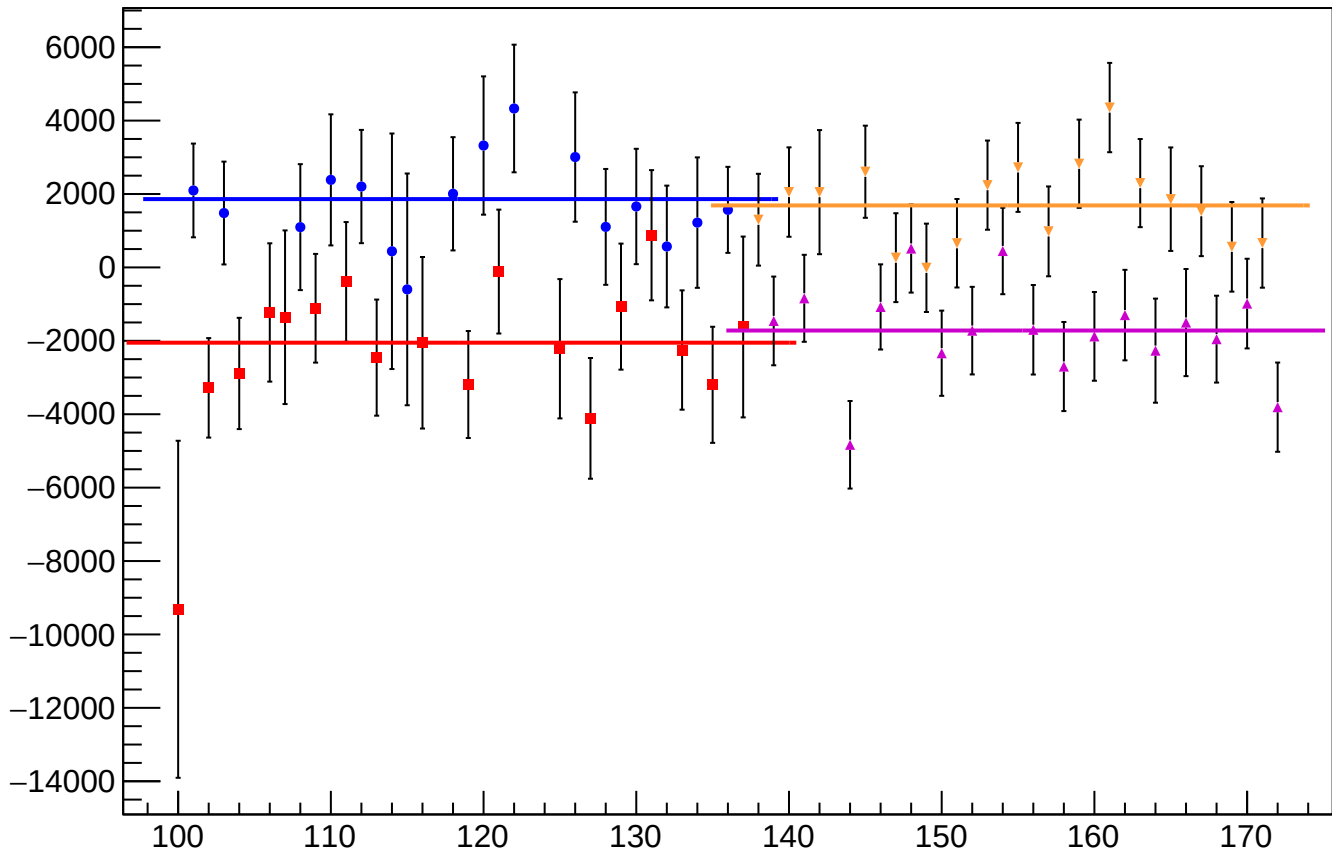
Left In: 27.772 $\pm$ 0.005 χ^2 /NDF: 185936.8/16

+ sign 27.869 $\pm$ 0.005 χ^2 /NDF: 425688.9/32

All: 27.883 $\pm$ 0.003 χ^2 /NDF: 800296.0/67

- sign 27.896 $\pm$ 0.004 χ^2 /NDF: 374589.2/34

reg_asym_usl_mean vs Slug



Right In: 1861.525 $\pm$ 409.524 χ^2 /NDF: 5.3/15

Left Out: 1689.171 $\pm$ 302.040 χ^2 /NDF:13.7/16

Right Out: -2050.842 $\pm$ 409.249 χ^2 /NDF: 12.5/17

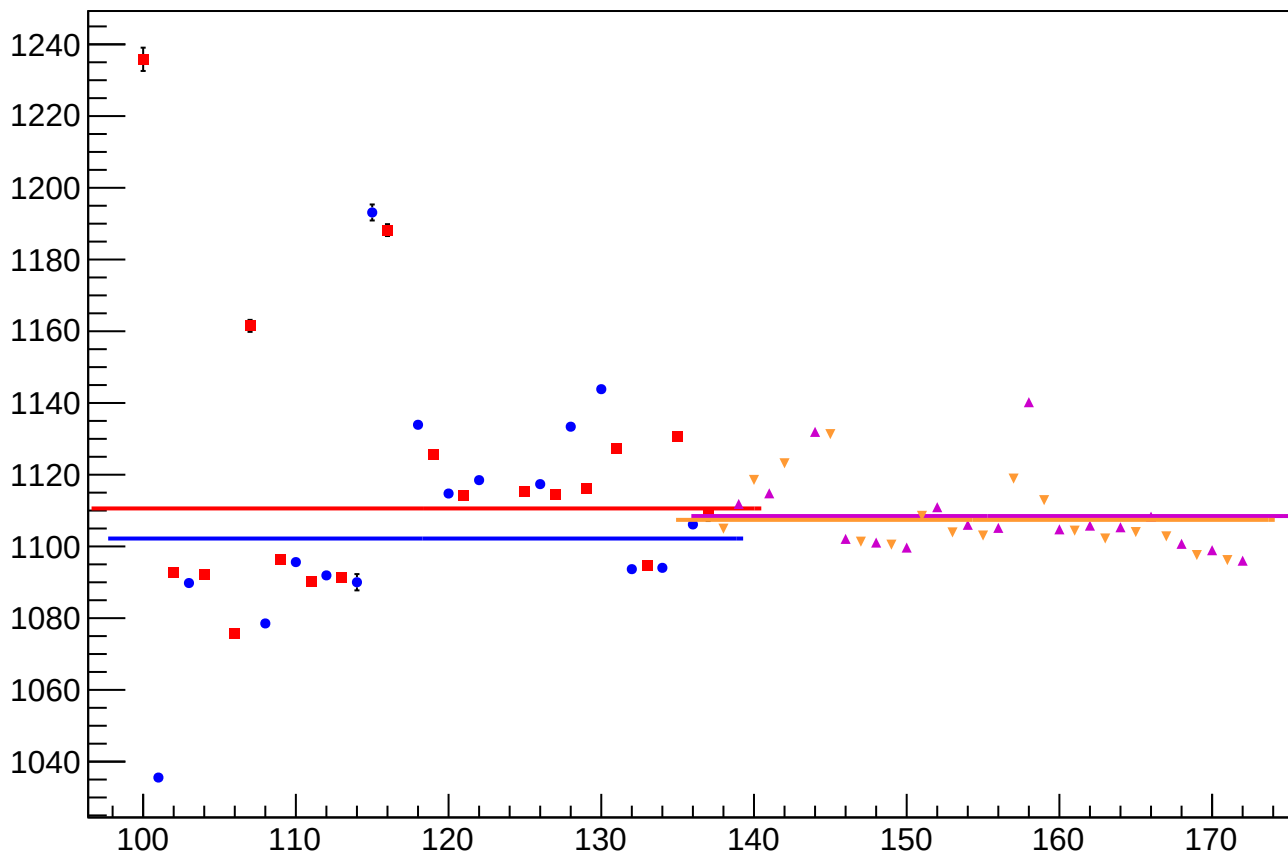
Left In: -1719.486 $\pm$ 295.899 χ^2 /NDF:19.2/16

+ sign 1749.895 $\pm$ 243.078 χ^2 /NDF: 19.1/32

All: -66.092 $\pm$ 170.707 χ^2 /NDF: 161.4/67

- sign -1833.241 $\pm$ 239.787 χ^2 /NDF: 32.1/34

reg_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2 /NDF: 11348.9/15

Left Out: 1107.410 $\pm$ 0.214 χ^2 /NDF: 1842.7/16

Right Out: 1110.592 $\pm$ 0.289 χ^2 /NDF: 7696.0/17

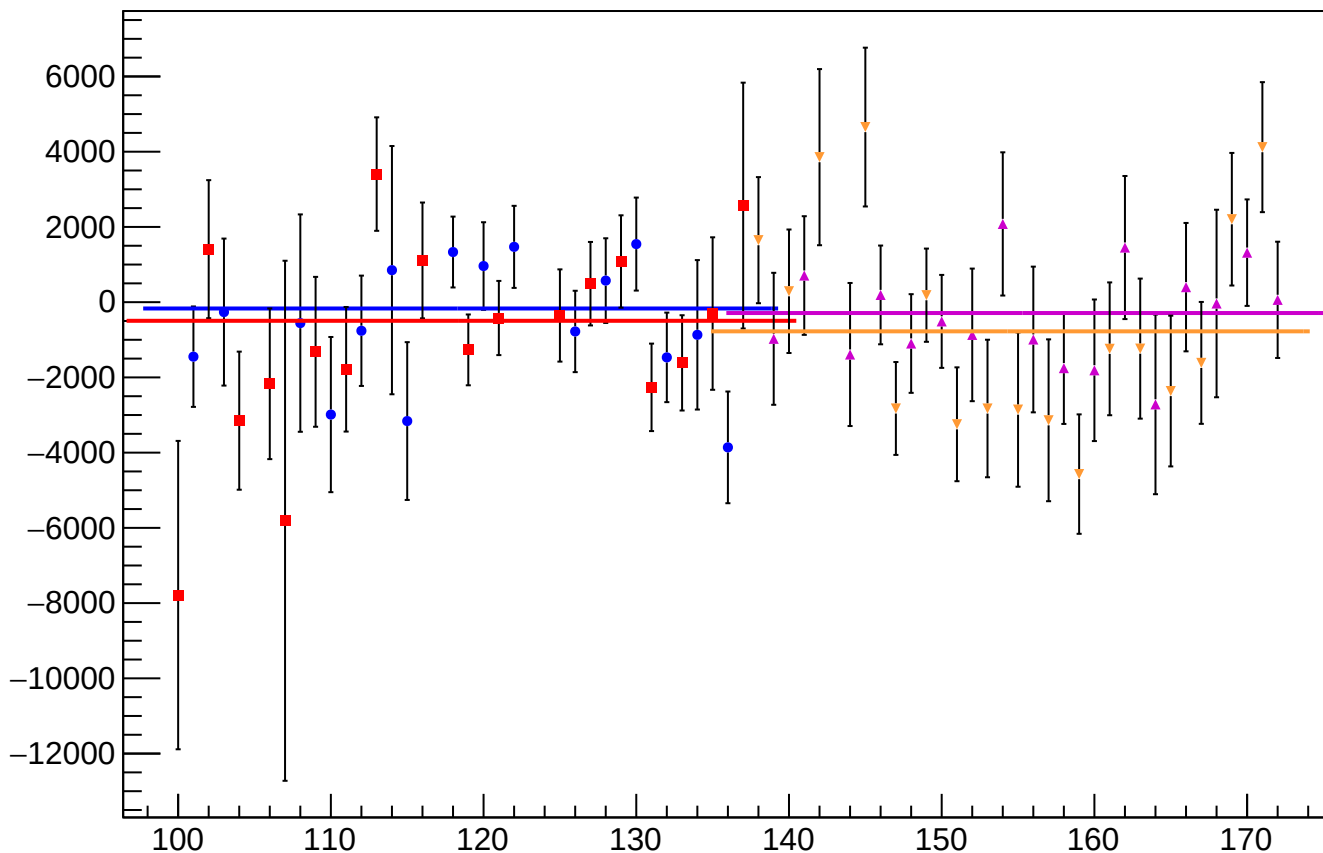
Left In: 1108.474 $\pm$ 0.209 χ^2 /NDF: 2952.5/16

+ sign 1105.577 $\pm$ 0.172 χ^2 /NDF: 13400.9/32

All: 1107.414 $\pm$ 0.121 χ^2 /NDF: 24310.0/67

- sign 1109.201 $\pm$ 0.170 χ^2 /NDF: 10683.7/34

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

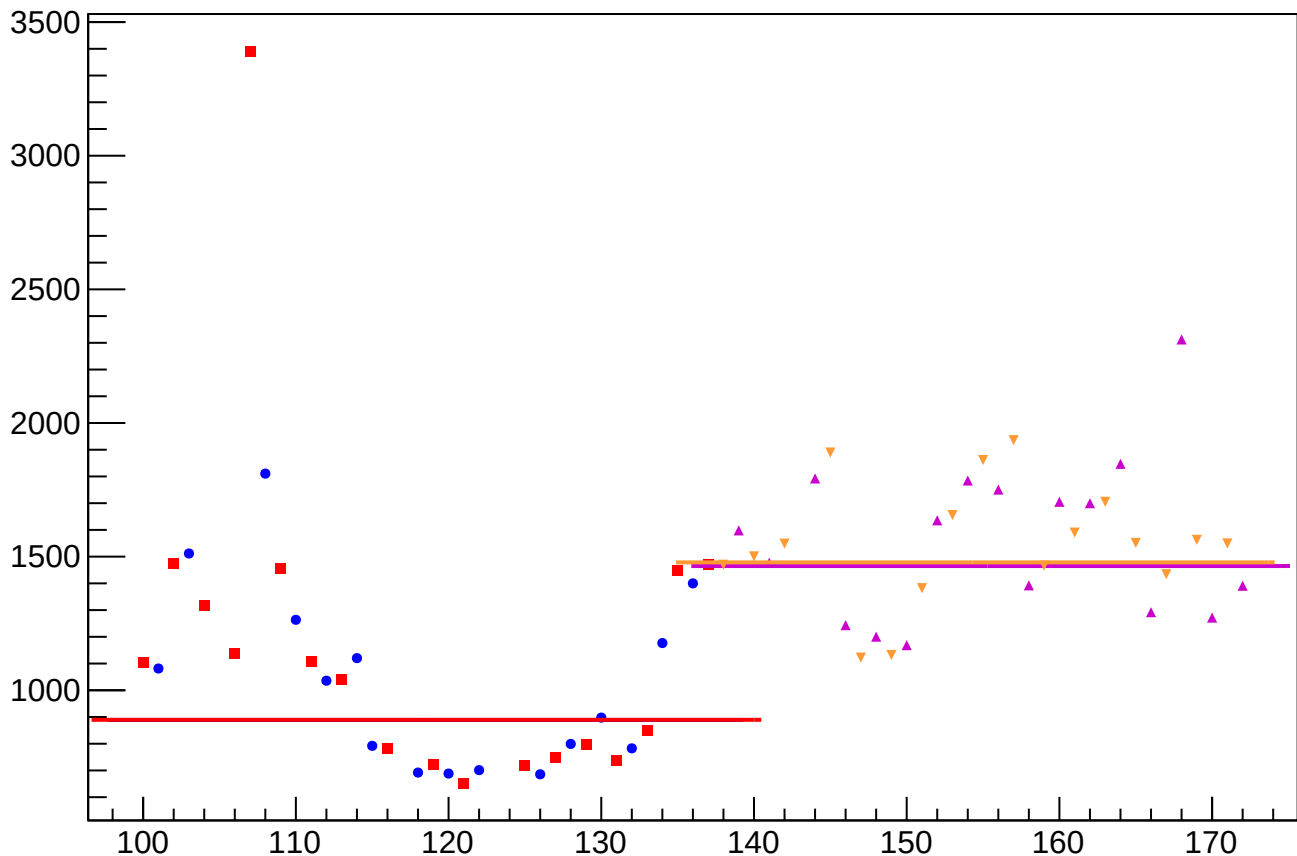
Left In: -288.596+/-398.557 χ^2/NDF : 8.2/16

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

All: -412.984+/-185.700 χ^2/NDF : 94.2/67

- sign -406.671+/-260.871 χ^2/NDF : 31.7/34

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

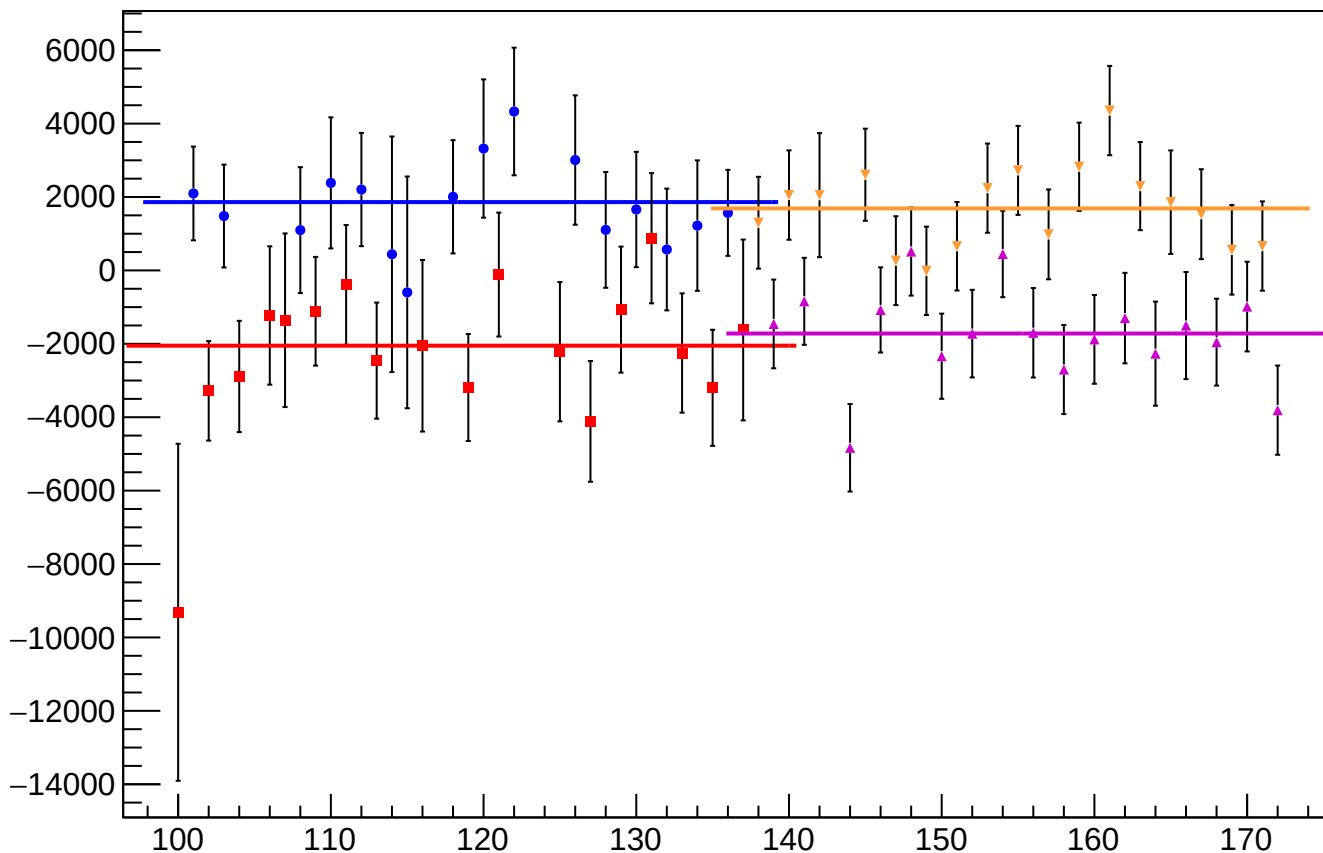
Left In: 1464.825 ± 0.282 χ^2/NDF : 855387.8/16

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

All: 1134.566 ± 0.131 χ^2/NDF : 8766837.6/67

- sign 1135.969 ± 0.184 χ^2/NDF : 4583378.2/34

cor_asym_usl_mean vs Slug



Right In: 1861.525 $\pm$ 409.524 χ^2 /NDF: 5.3/15

Left Out: 1689.171 $\pm$ 302.040 χ^2 /NDF:13.7/16

Right Out: -2050.842 $\pm$ 409.249 χ^2 /NDF: 12.5/17

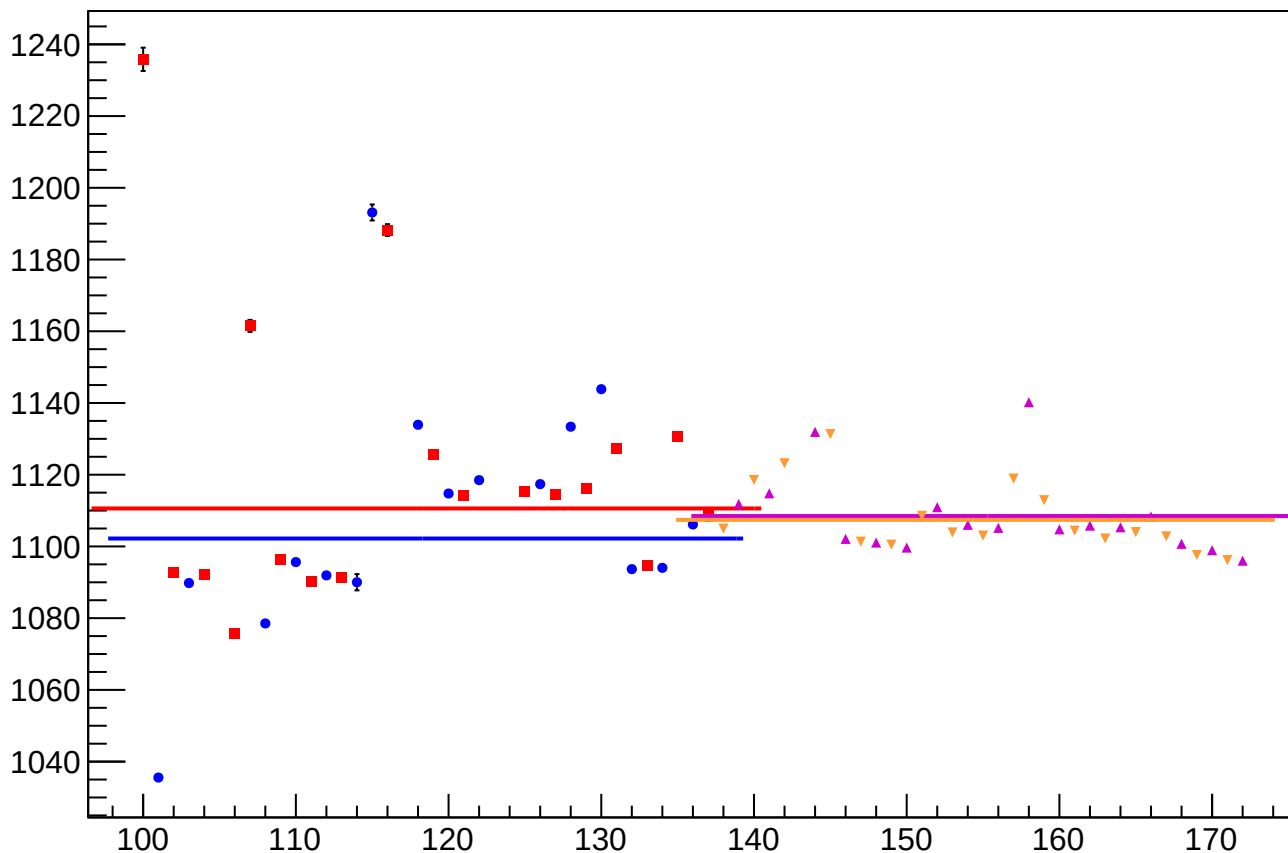
Left In: -1719.486 $\pm$ 295.899 χ^2 /NDF:19.2/16

+ sign 1749.895 $\pm$ 243.078 χ^2 /NDF: 19.1/32

All: -66.092 $\pm$ 170.707 χ^2 /NDF: 161.4/67

- sign -1833.241 $\pm$ 239.787 χ^2 /NDF: 32.1/34

cor_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2 /NDF: 11348.9/15

Left Out: 1107.410 $\pm$ 0.214 χ^2 /NDF: 1842.7/16

Right Out: 1110.592 $\pm$ 0.289 χ^2 /NDF: 7696.0/17

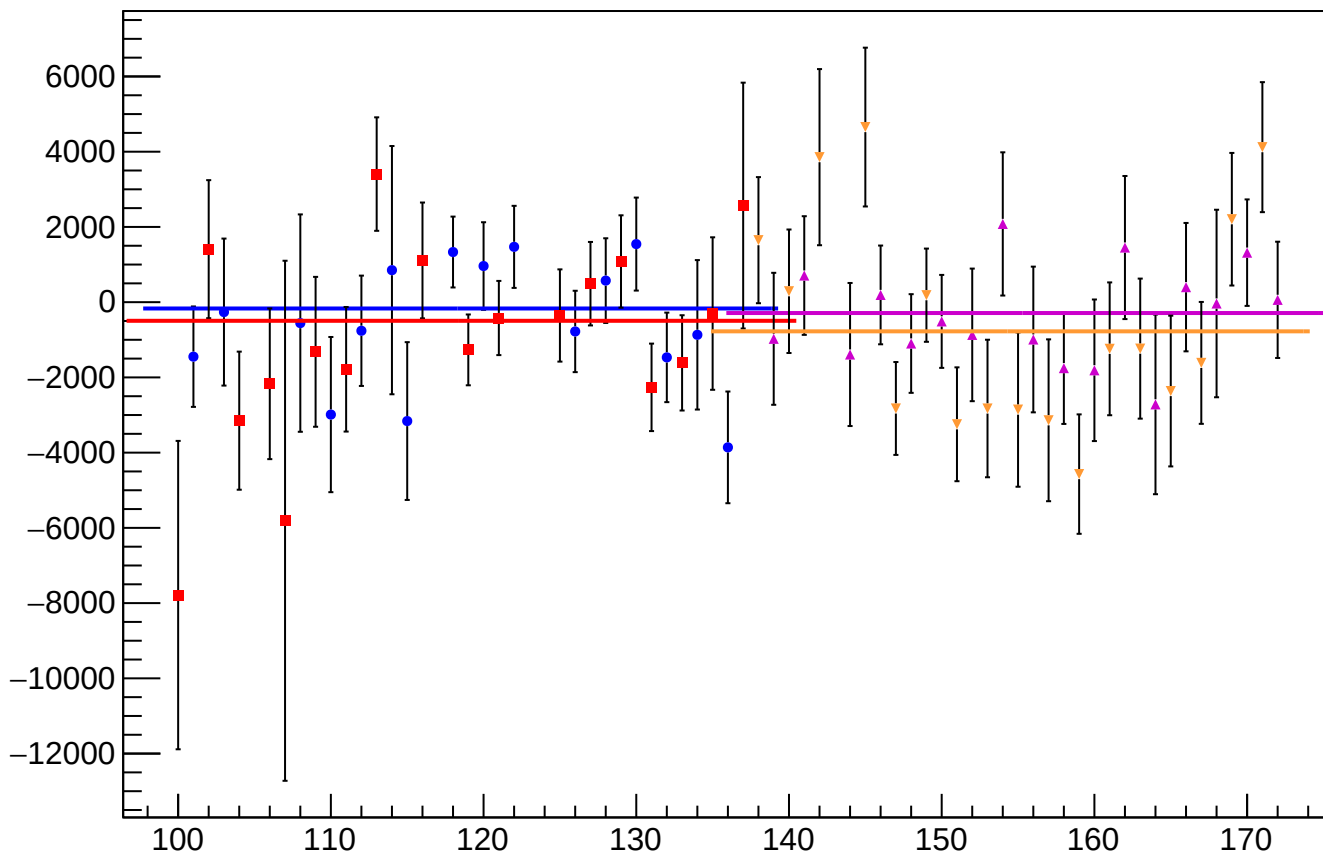
Left In: 1108.474 $\pm$ 0.209 χ^2 /NDF: 2952.5/16

+ sign 1105.577 $\pm$ 0.172 χ^2 /NDF: 13400.9/32

All: 1107.414 $\pm$ 0.121 χ^2 /NDF: 24310.0/67

- sign 1109.201 $\pm$ 0.170 χ^2 /NDF: 10683.7/34

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

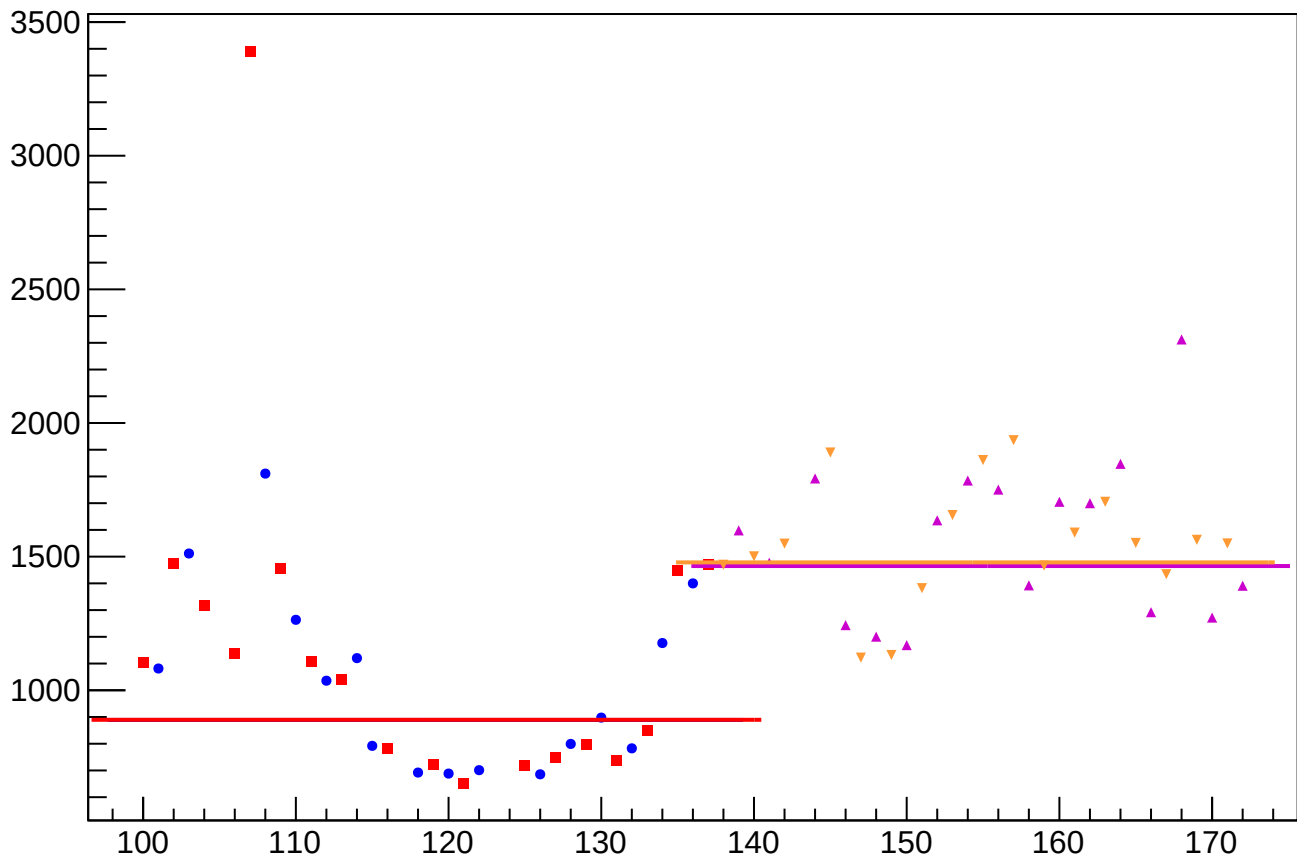
Left In: -288.596 ± 398.557 χ^2/NDF : 8.2/16

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

All: -412.984 ± 185.700 χ^2/NDF : 94.2/67

- sign -406.671 ± 260.871 χ^2/NDF : 31.7/34

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

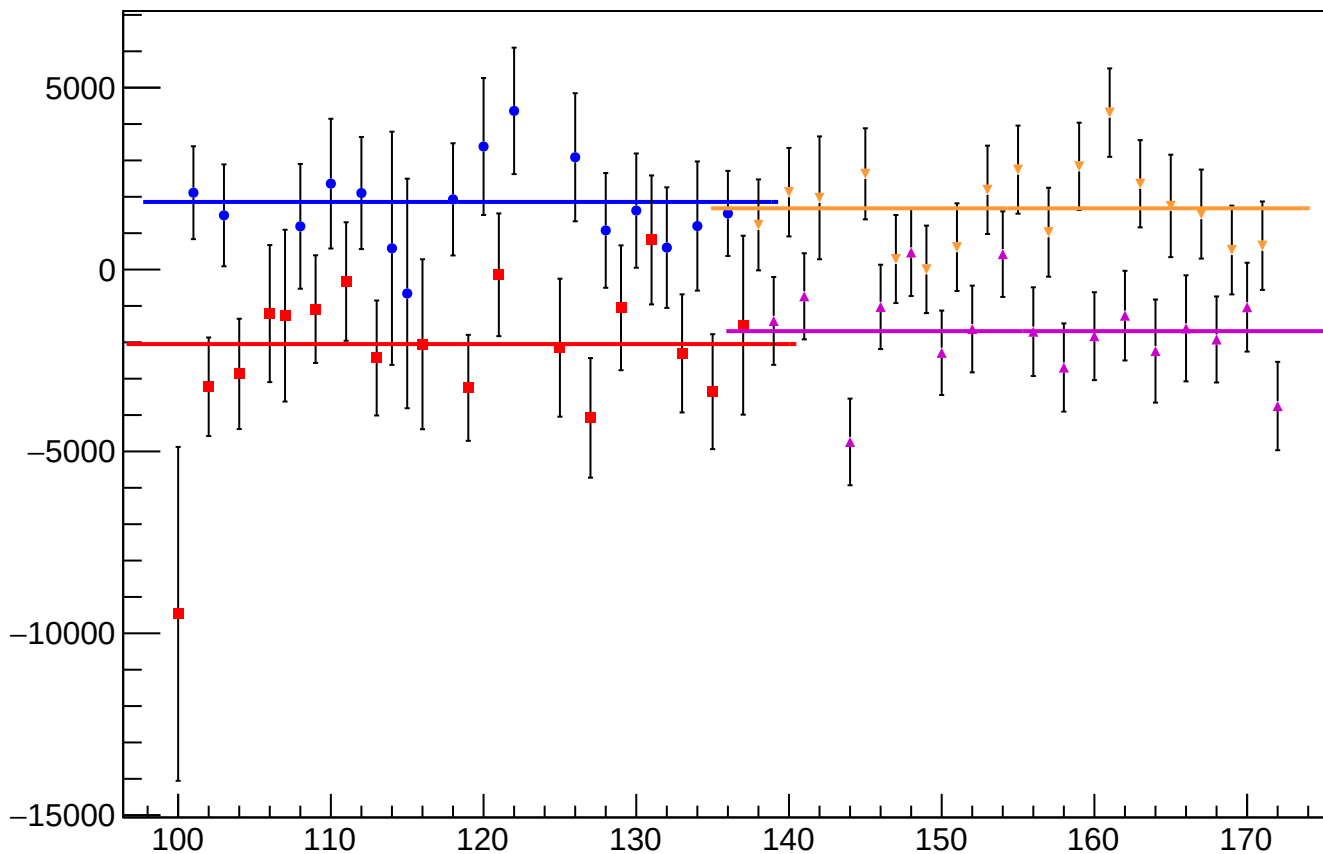
Left In: 1464.825+/-0.282 χ^2/NDF : 855387.8/16

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

All: 1134.566+/-0.131 χ^2/NDF : 8766837.6/67

- sign 1135.969+/-0.184 χ^2/NDF : 4583378.2/34

overload_cor_asym_usl_mean vs Slug



Right In: 1858.683 $\pm$ 409.170 χ^2 /NDF: 5.4/15

Left Out: 1684.062 $\pm$ 301.739 χ^2 /NDF:13.7/16

Right Out: -2048.674 $\pm$ 408.894 χ^2 /NDF: 12.7/17

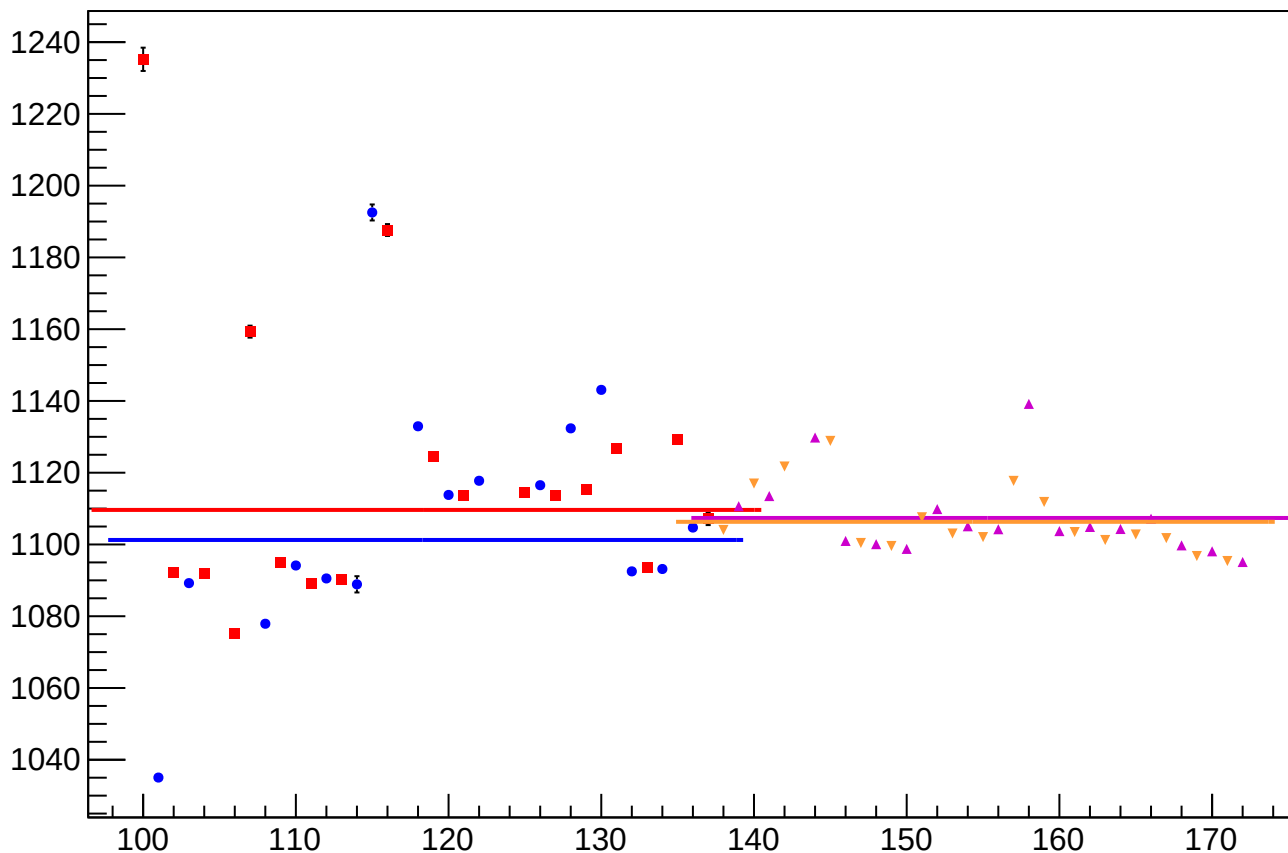
Left In: -1693.066 $\pm$ 295.608 χ^2 /NDF:18.5/16

+ sign 1745.573 $\pm$ 242.847 χ^2 /NDF: 19.3/32

All: -59.034 $\pm$ 170.545 χ^2 /NDF: 160.0/67

- sign -1815.129 $\pm$ 239.561 χ^2 /NDF: 31.7/34

overload_cor_asym_usl_rms vs Slug



Right In: 1101.254 $\pm$ 0.289 χ^2 /NDF: 11308.3/15

Left Out: 1106.313 $\pm$ 0.213 χ^2 /NDF: 1714.1/16

Right Out: 1109.629 $\pm$ 0.289 χ^2 /NDF: 7673.1/17

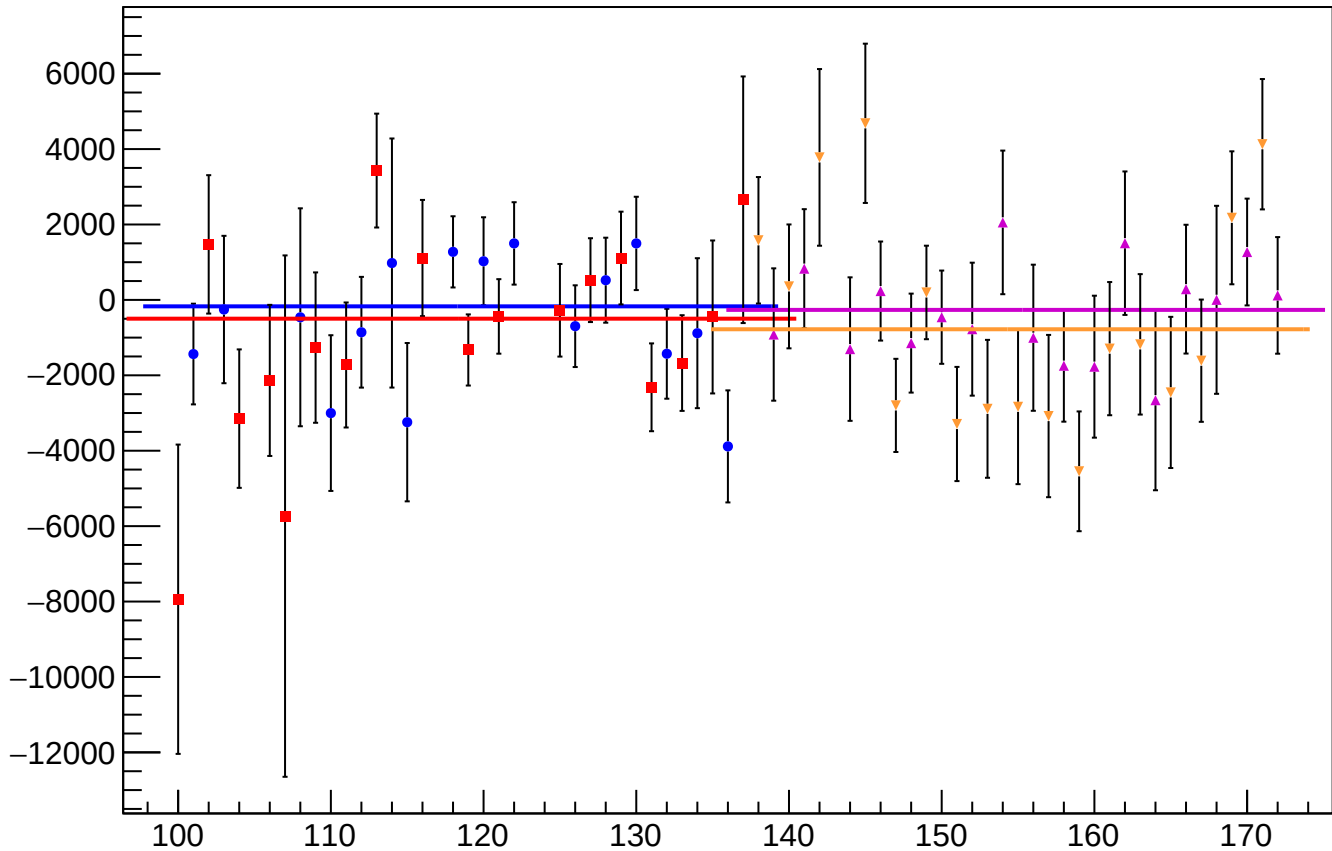
Left In: 1107.386 $\pm$ 0.209 χ^2 /NDF: 2866.5/16

+ sign 1104.531 $\pm$ 0.172 χ^2 /NDF: 13220.4/32

All: 1106.368 $\pm$ 0.121 χ^2 /NDF: 24025.3/67

- sign 1108.155 $\pm$ 0.169 χ^2 /NDF: 10579.1/34

asym_usl_overload_cor_correction_mean vs Slug



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

Left Out: -778.692+/-411.089 χ^2/NDF : 40.0/16

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

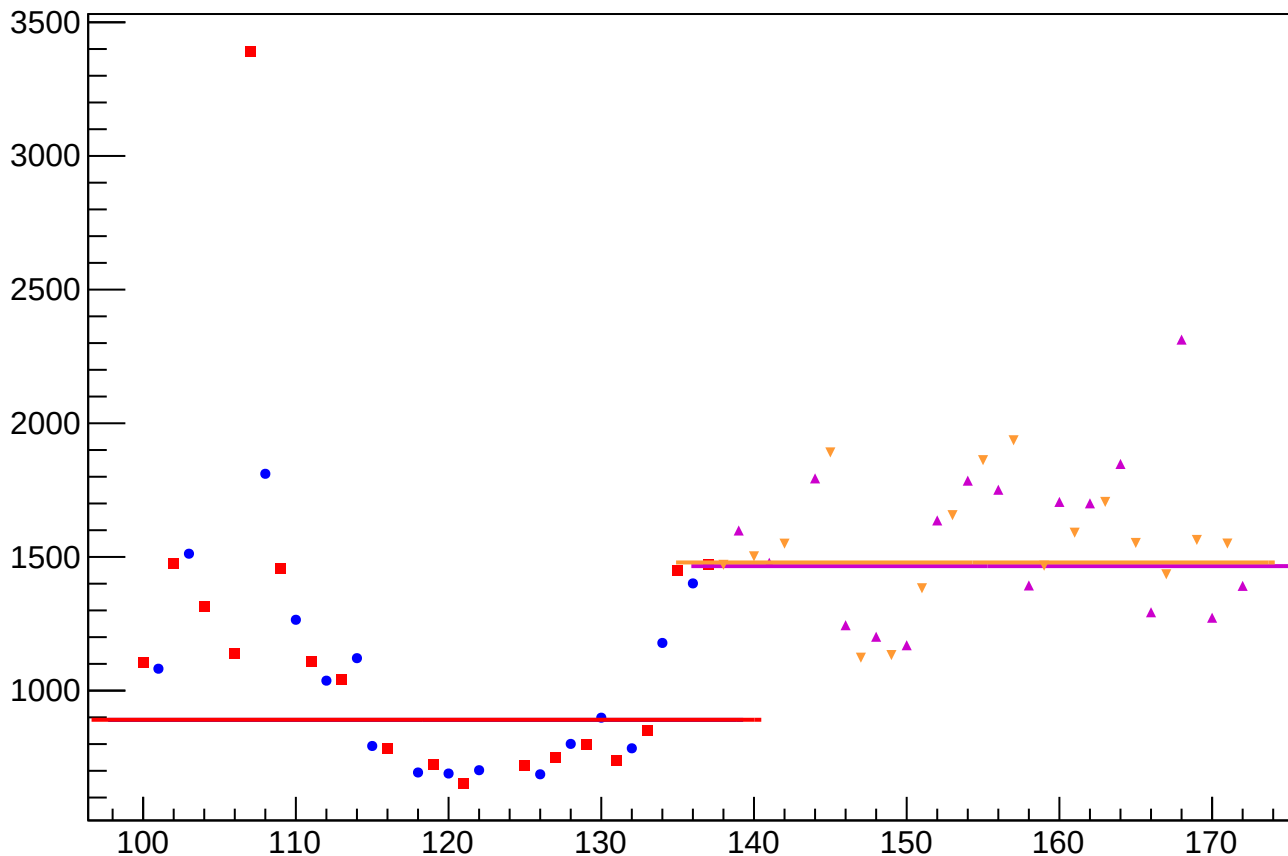
Left In: -264.803+/-398.790 χ^2/NDF : 8.1/16

+ sign -422.926+/-264.708 χ^2/NDF : 62.2/32

All: -410.278+/-185.909 χ^2/NDF : 94.5/67

- sign -397.967+/-261.157 χ^2/NDF : 32.2/34

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

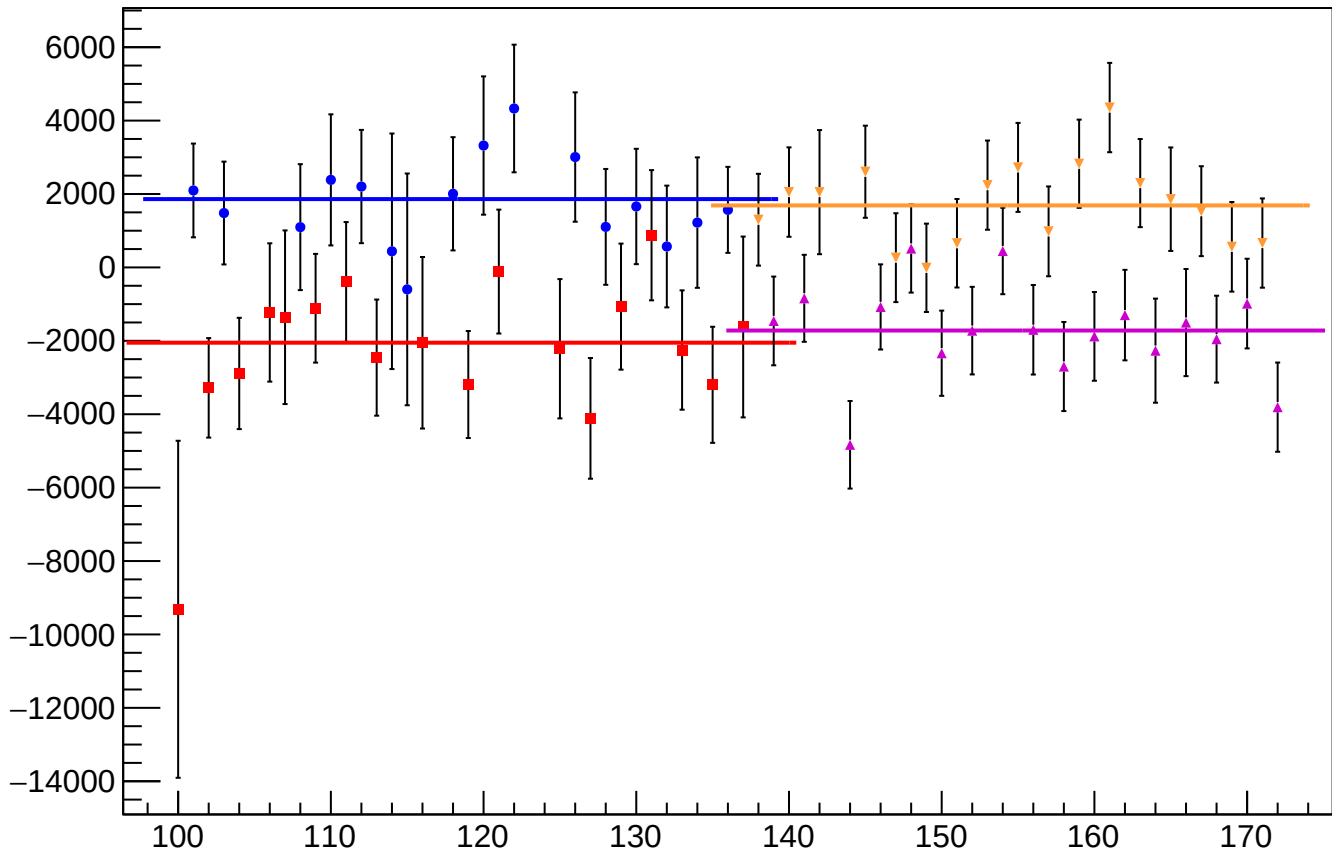
Left In: 1465.725 ± 0.282 χ^2/NDF : 854108.7/16

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

All: 1136.078 ± 0.131 χ^2/NDF : 8737280.6/67

- sign 1137.441 ± 0.185 χ^2/NDF : 4568908.8/34

eigen_cor_asym_usl_mean vs Slug



Right In: 1861.525 $\pm$ 409.524 χ^2 /NDF: 5.3/15

Left Out: 1689.171 $\pm$ 302.040 χ^2 /NDF:13.7/16

Right Out: -2050.842 $\pm$ 409.249 χ^2 /NDF: 12.5/17

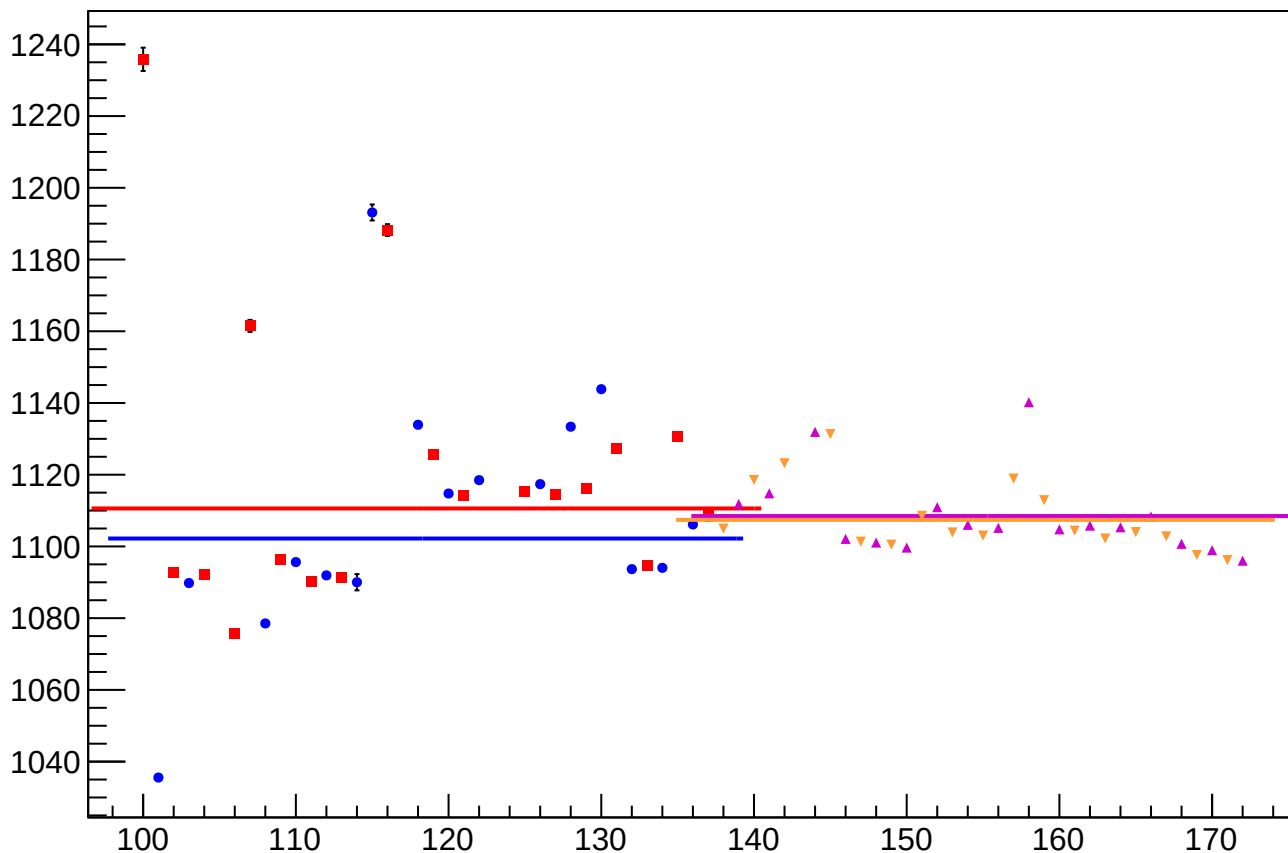
Left In: -1719.486 $\pm$ 295.899 χ^2 /NDF:19.2/16

+ sign 1749.895 $\pm$ 243.078 χ^2 /NDF: 19.1/32

All: -66.092 $\pm$ 170.707 χ^2 /NDF: 161.4/67

- sign -1833.241 $\pm$ 239.787 χ^2 /NDF: 32.1/34

eigen_cor_asym_usl_rms vs Slug



Right In: 1102.205 $\pm$ 0.290 χ^2/NDF : 11348.9/15

Left Out: 1107.410 $\pm$ 0.214 χ^2/NDF : 1842.7/16

Right Out: 1110.592 $\pm$ 0.289 χ^2/NDF : 7696.0/17

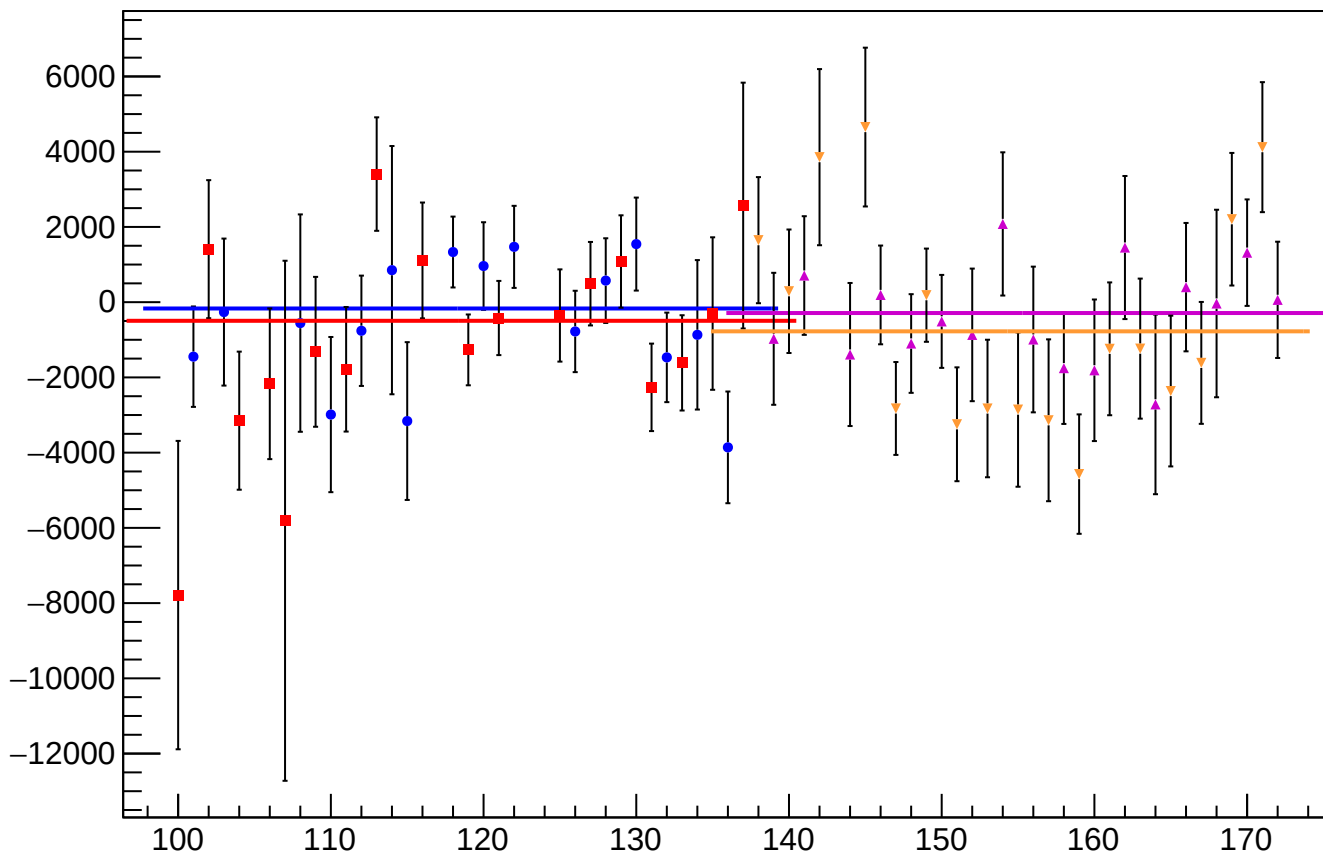
Left In: 1108.474 $\pm$ 0.209 χ^2/NDF : 2952.5/16

+ sign 1105.577 $\pm$ 0.172 χ^2/NDF : 13400.9/32

All: 1107.414 $\pm$ 0.121 χ^2/NDF : 24310.0/67

- sign 1109.201 $\pm$ 0.170 χ^2/NDF : 10683.7/34

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -167.891 $\pm$ 345.441 χ^2 /NDF: 21.0/15

Left Out: -775.345 $\pm$ 410.854 χ^2 /NDF:40.2/16

Right Out: -495.172 $\pm$ 345.054 χ^2 /NDF: 23.3/17

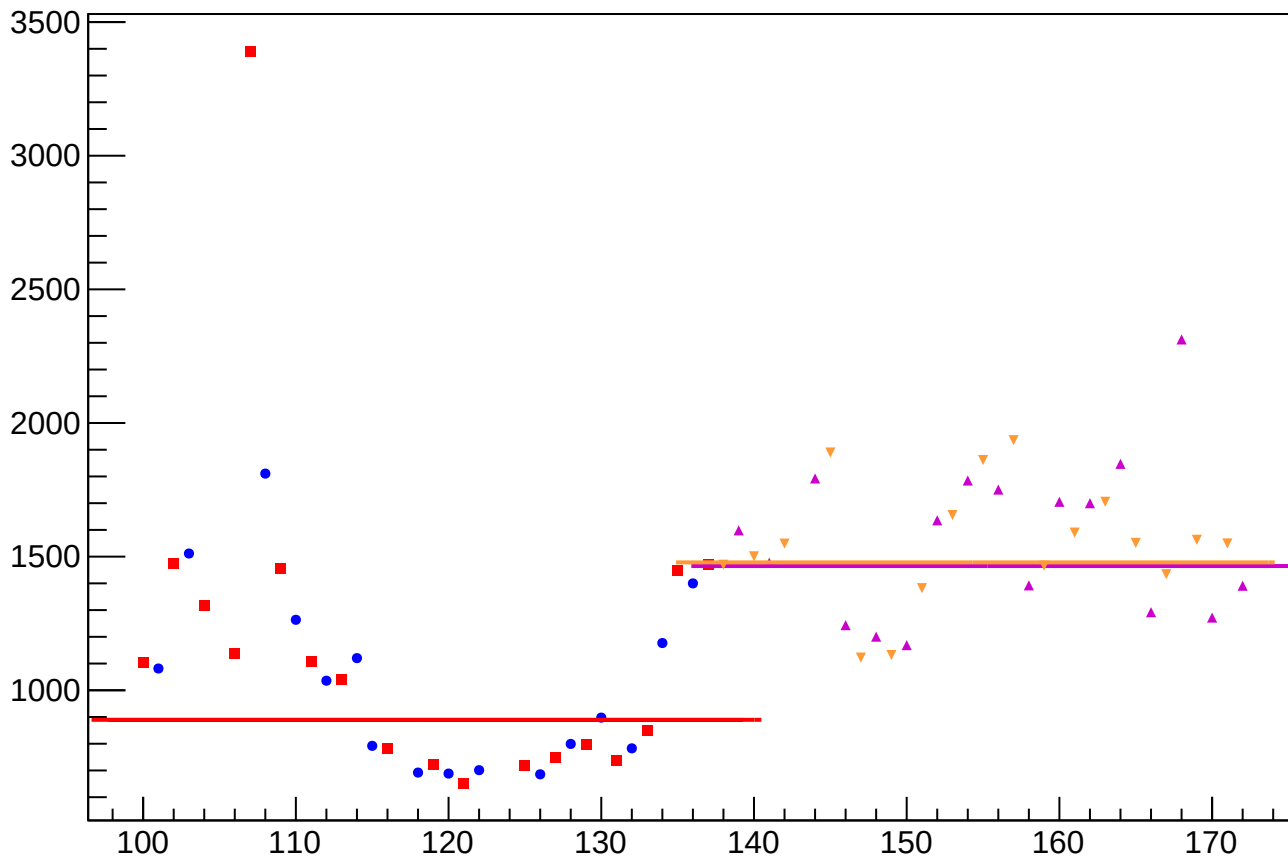
Left In: -288.596 $\pm$ 398.557 χ^2 /NDF:8.2/16

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

All: -412.984 $\pm$ 185.700 χ^2 /NDF: 94.2/67

- sign -406.671 $\pm$ 260.871 χ^2 /NDF: 31.7/34

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 888.956 $\pm$ 0.244 χ^2 /NDF: 1132766.3/15

Left Out: 1478.523 $\pm$ 0.291 χ^2 /NDF: 637857.7/16

Right Out: 889.478 $\pm$ 0.244 χ^2 /NDF: 1345750.2/17

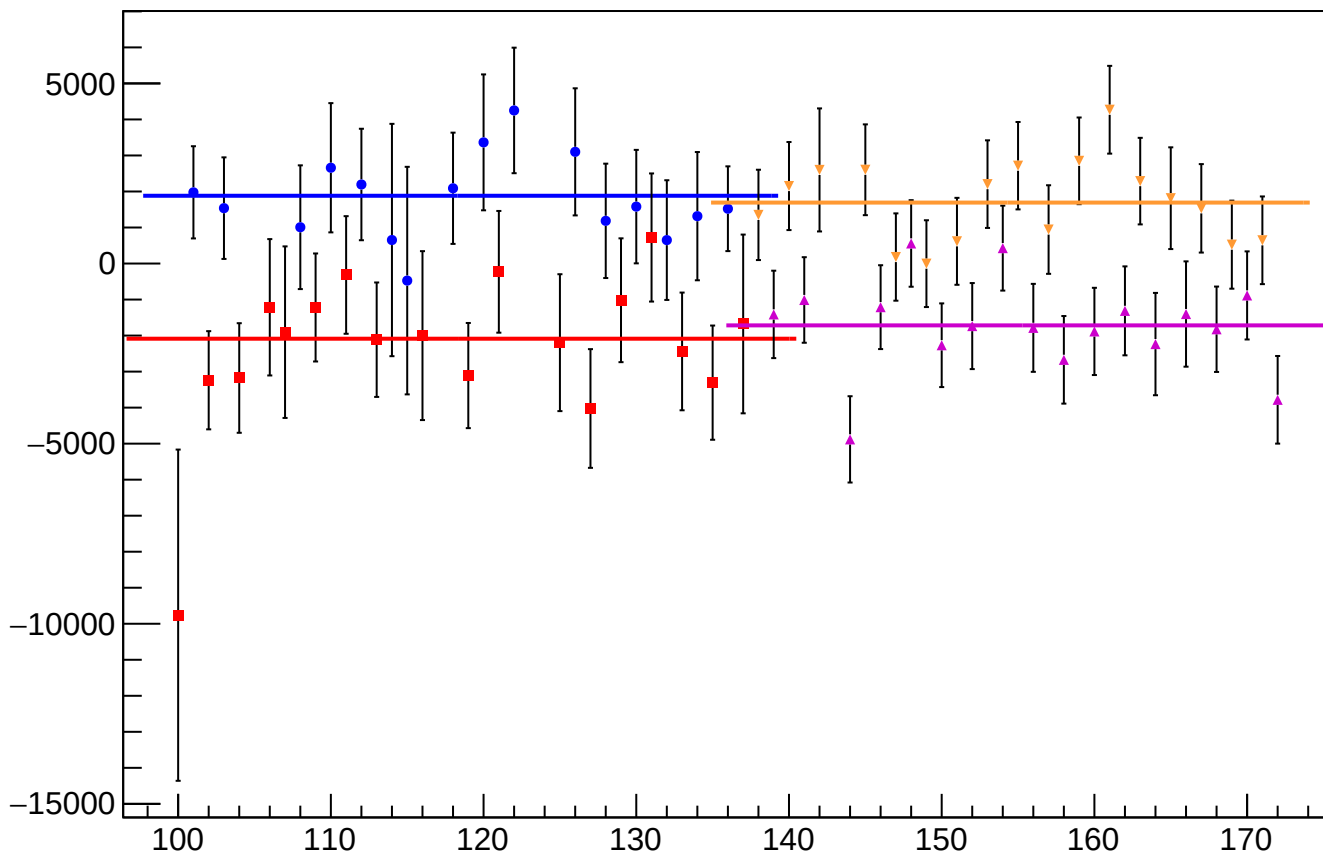
Left In: 1464.825 $\pm$ 0.282 χ^2 /NDF: 855387.8/16

+ sign 1133.126 $\pm$ 0.187 χ^2 /NDF: 4183342.3/32

All: 1134.566 $\pm$ 0.131 χ^2 /NDF: 8766837.6/67

- sign 1135.969 $\pm$ 0.184 χ^2 /NDF: 4583378.2/34

dit_asym_usl_mean vs Slug



Right In: 1881.524 $\pm$ 410.700 χ^2 /NDF: 5.2/15

Left Out: 1692.182 $\pm$ 302.650 χ^2 /NDF:13.9/16

Right Out: -2086.886 $\pm$ 410.785 χ^2 /NDF: 12.4/17

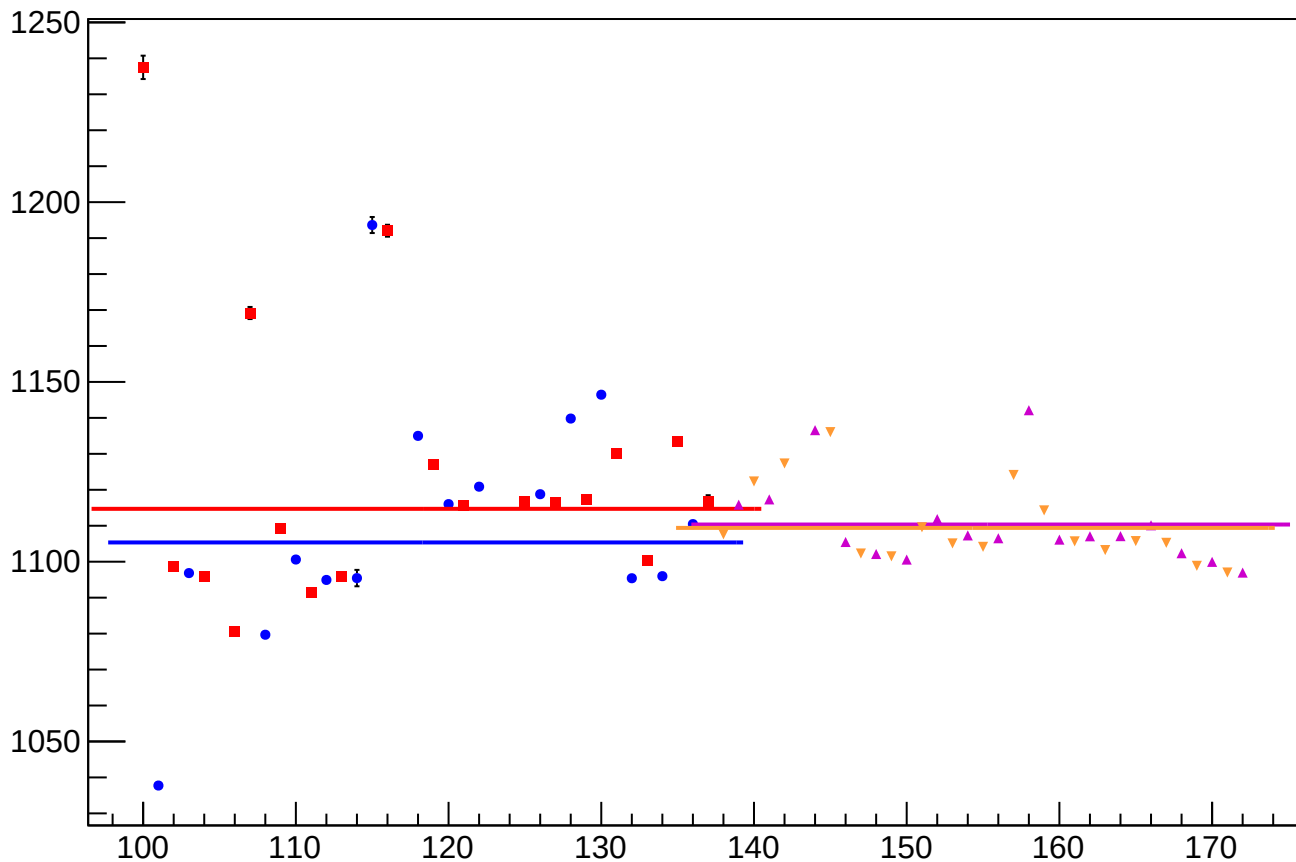
Left In: -1716.767 $\pm$ 296.404 χ^2 /NDF:19.0/16

+ sign 1758.817 $\pm$ 243.642 χ^2 /NDF: 19.3/32

All: -66.729 $\pm$ 171.110 χ^2 /NDF: 161.9/67

- sign -1843.490 $\pm$ 240.365 χ^2 /NDF: 31.9/34

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

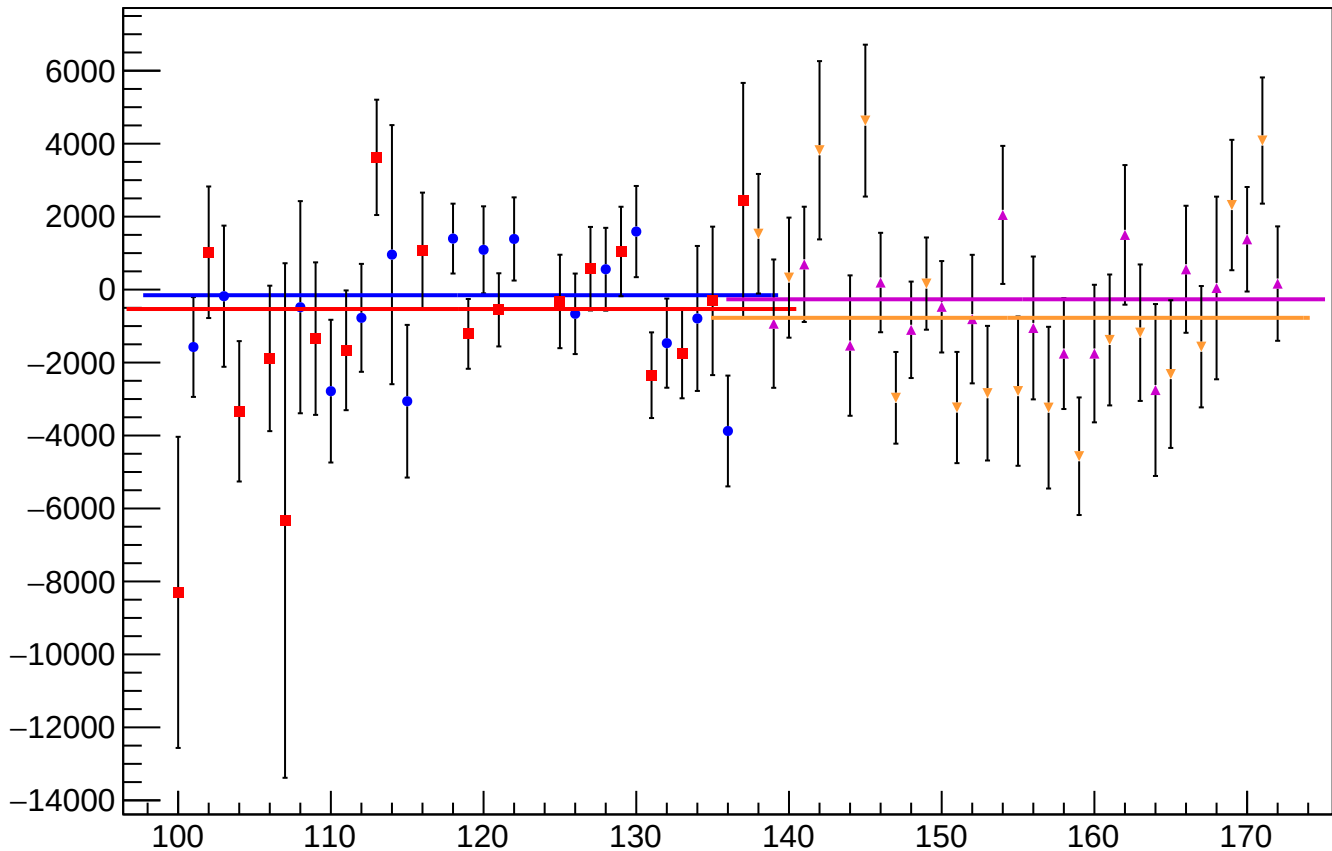
Left In: 1110.340 ± 0.210 χ^2/NDF : 3268.1/16

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

All: 1109.932 ± 0.121 χ^2/NDF : 24801.0/67

- sign 1111.834 ± 0.170 χ^2/NDF : 10746.9/34

asym_usl_dit_correction_mean vs Slug



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

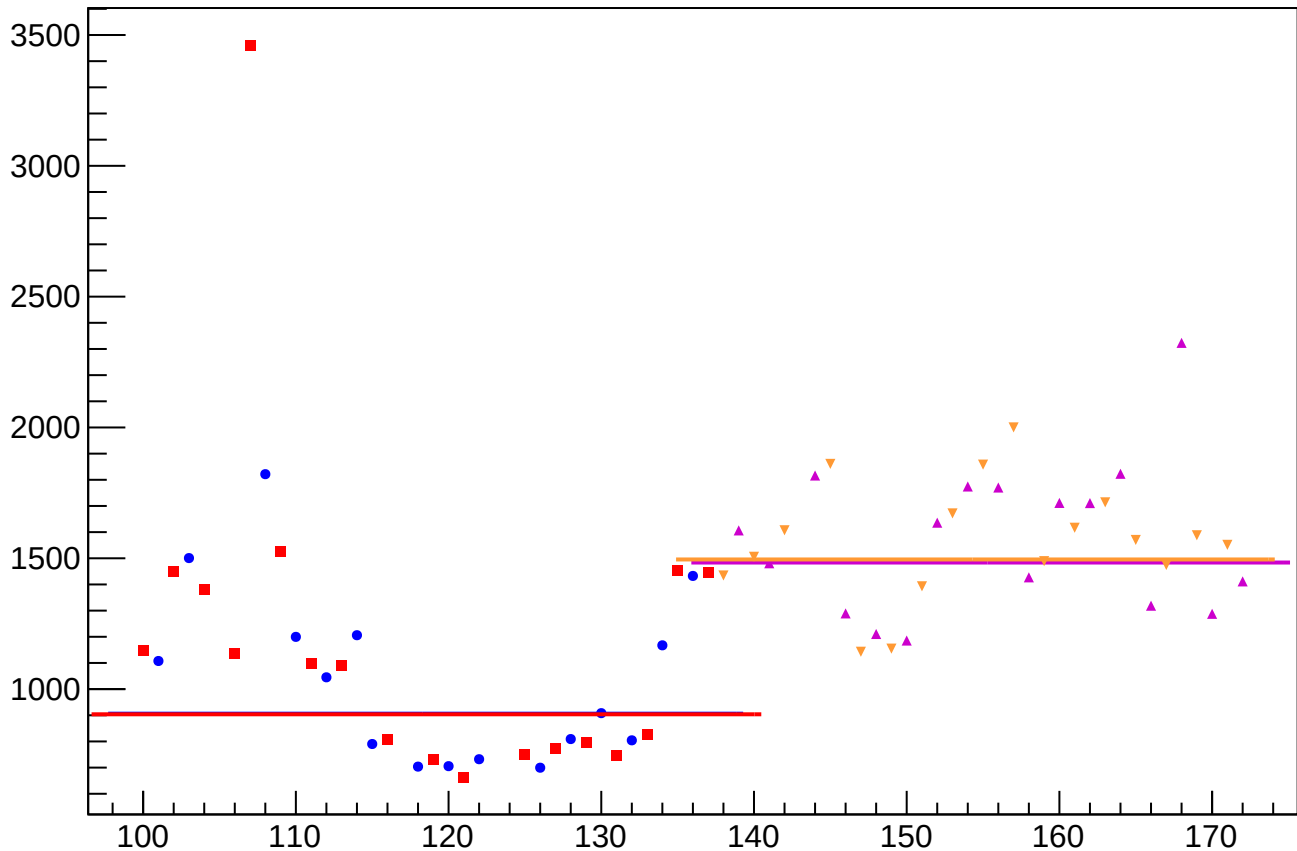
Left In: -265.684 ± 403.105 χ^2/NDF : 8.4/16

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

All: -415.076 ± 188.312 χ^2/NDF : 93.4/67

- sign -417.465 ± 264.458 χ^2/NDF : 31.9/34

asym_usl_dit_correction_rms vs Slug



Right In: 906.036 $\pm$ 0.248 χ^2 /NDF: 1079435.1/15

Left Out: 1495.509 $\pm$ 0.294 χ^2 /NDF: 612139.8/16

Right Out: 903.753 $\pm$ 0.248 χ^2 /NDF: 1339982.2/17

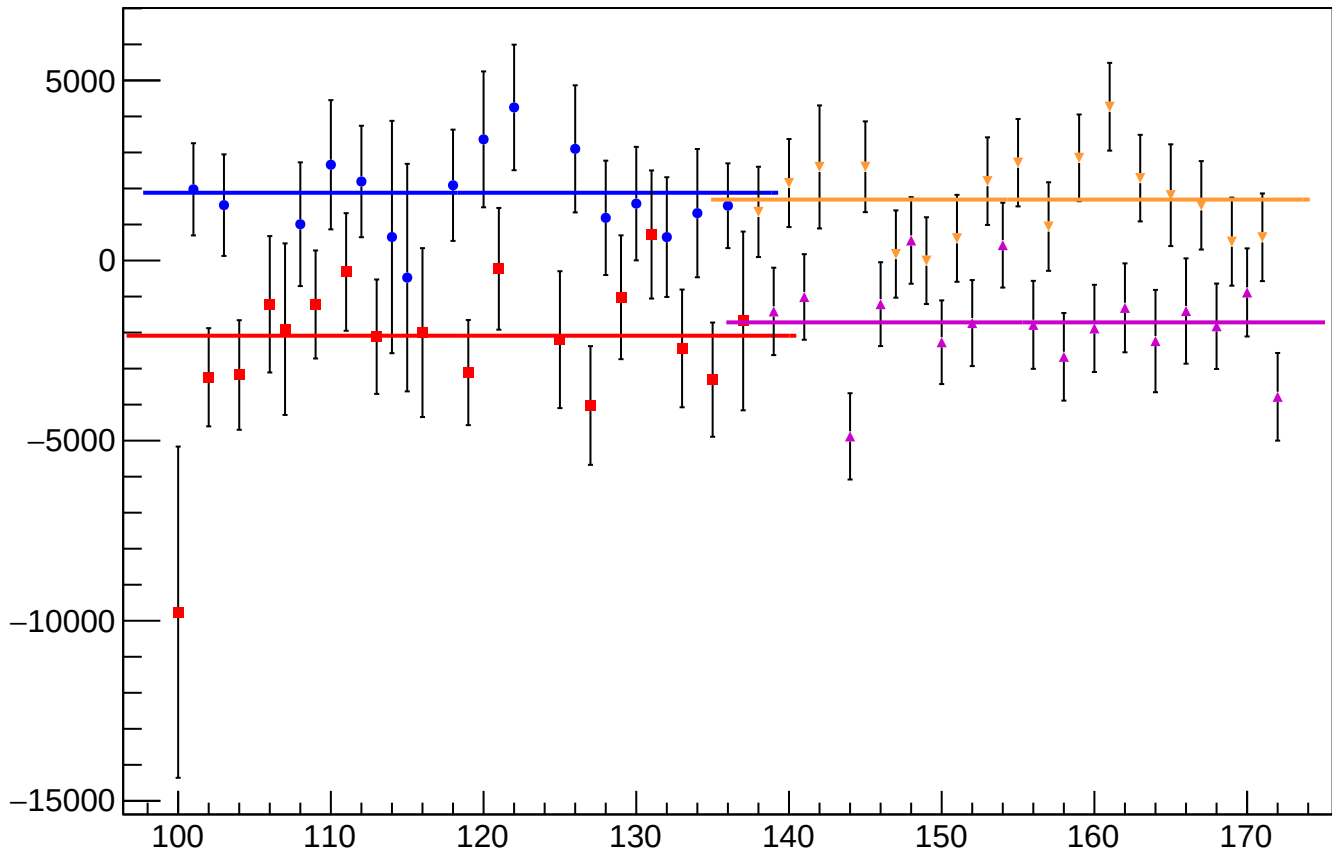
Left In: 1483.821 $\pm$ 0.285 χ^2 /NDF: 799959.5/16

+ sign 1151.946 $\pm$ 0.190 χ^2 /NDF: 4040502.9/32

All: 1152.691 $\pm$ 0.133 χ^2 /NDF: 8539423.2/67

- sign 1153.417 $\pm$ 0.187 χ^2 /NDF: 4498889.8/34

eigen_dit_asym_usl_mean vs Slug



Right In: 1881.523 $\pm$ 410.700 χ^2/NDF : 5.2/15

Left Out: 1692.178 $\pm$ 302.650 χ^2/NDF : 13.9/16

Right Out: -2086.884 $\pm$ 410.785 χ^2/NDF : 12.4/17

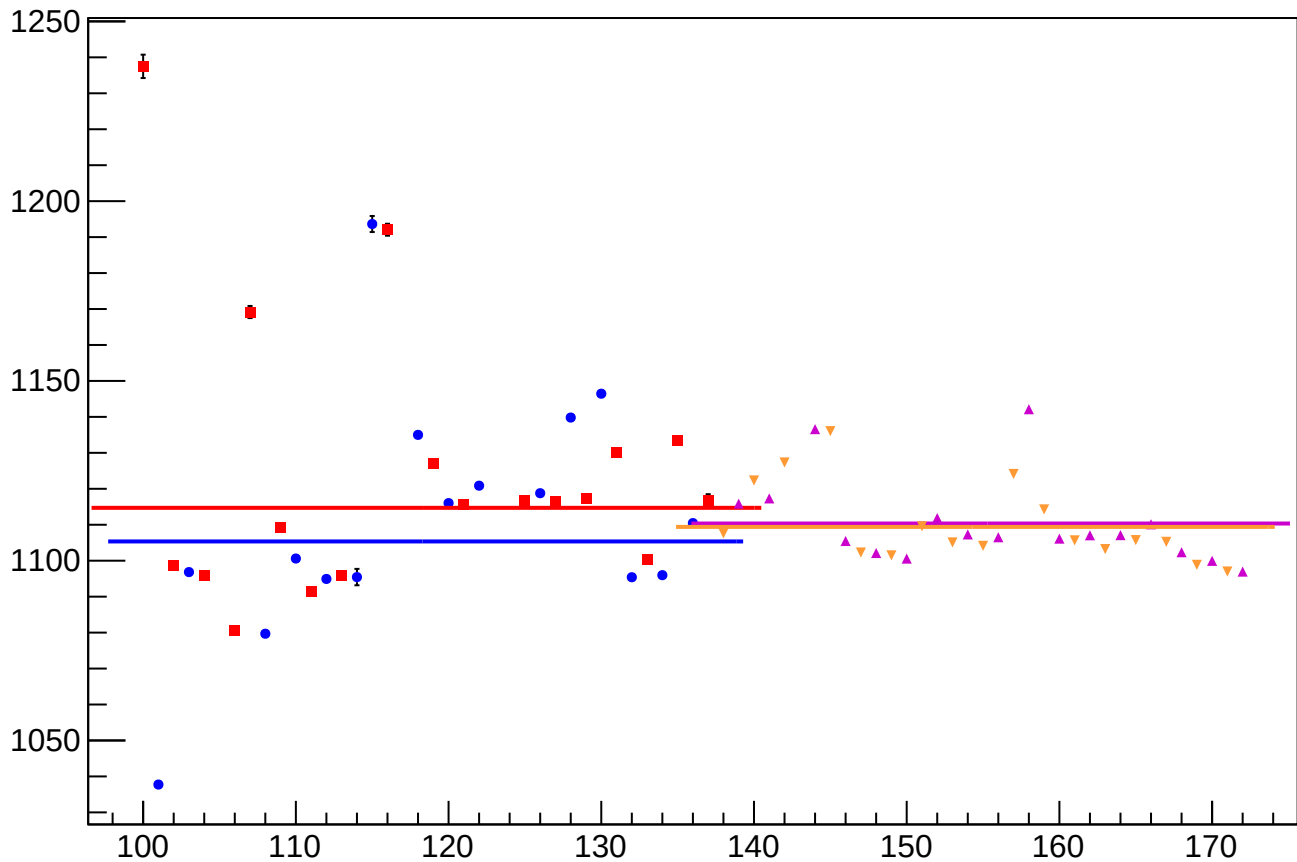
Left In: -1716.769 $\pm$ 296.404 χ^2/NDF : 19.0/16

+ sign 1758.814 $\pm$ 243.642 χ^2/NDF : 19.3/32

All: -66.731 $\pm$ 171.110 χ^2/NDF : 161.9/67

- sign -1843.490 $\pm$ 240.365 χ^2/NDF : 31.9/34

eigen_dit_asym_usl_rms vs Slug



Right In: 1105.355 $\pm$ 0.290 χ^2 /NDF: 11330.9/15

Left Out: 1109.401 $\pm$ 0.214 χ^2 /NDF: 2343.4/16

Right Out: 1114.705 $\pm$ 0.290 χ^2 /NDF: 7330.2/17

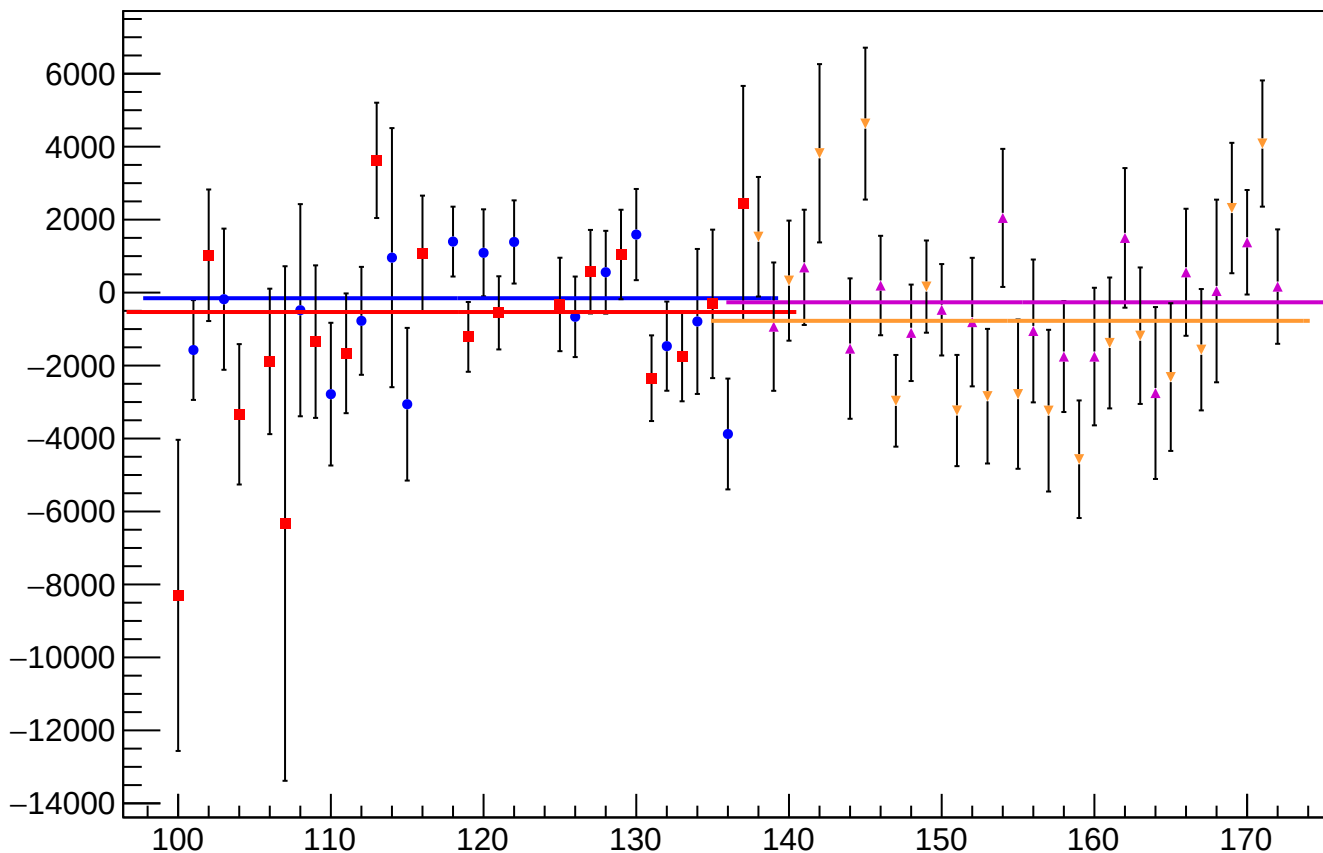
Left In: 1110.340 $\pm$ 0.210 χ^2 /NDF: 3268.1/16

+ sign 1107.977 $\pm$ 0.172 χ^2 /NDF: 13800.1/32

All: 1109.932 $\pm$ 0.121 χ^2 /NDF: 24801.0/67

- sign 1111.834 $\pm$ 0.170 χ^2 /NDF: 10746.9/34

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -153.998 ± 351.317 $\chi^2/\text{NDF}: 20.5/15$

Left Out: -773.943 ± 415.256 $\chi^2/\text{NDF}: 39.7/16$

Right Out: -532.154 ± 350.406 $\chi^2/\text{NDF}: 23.2/17$

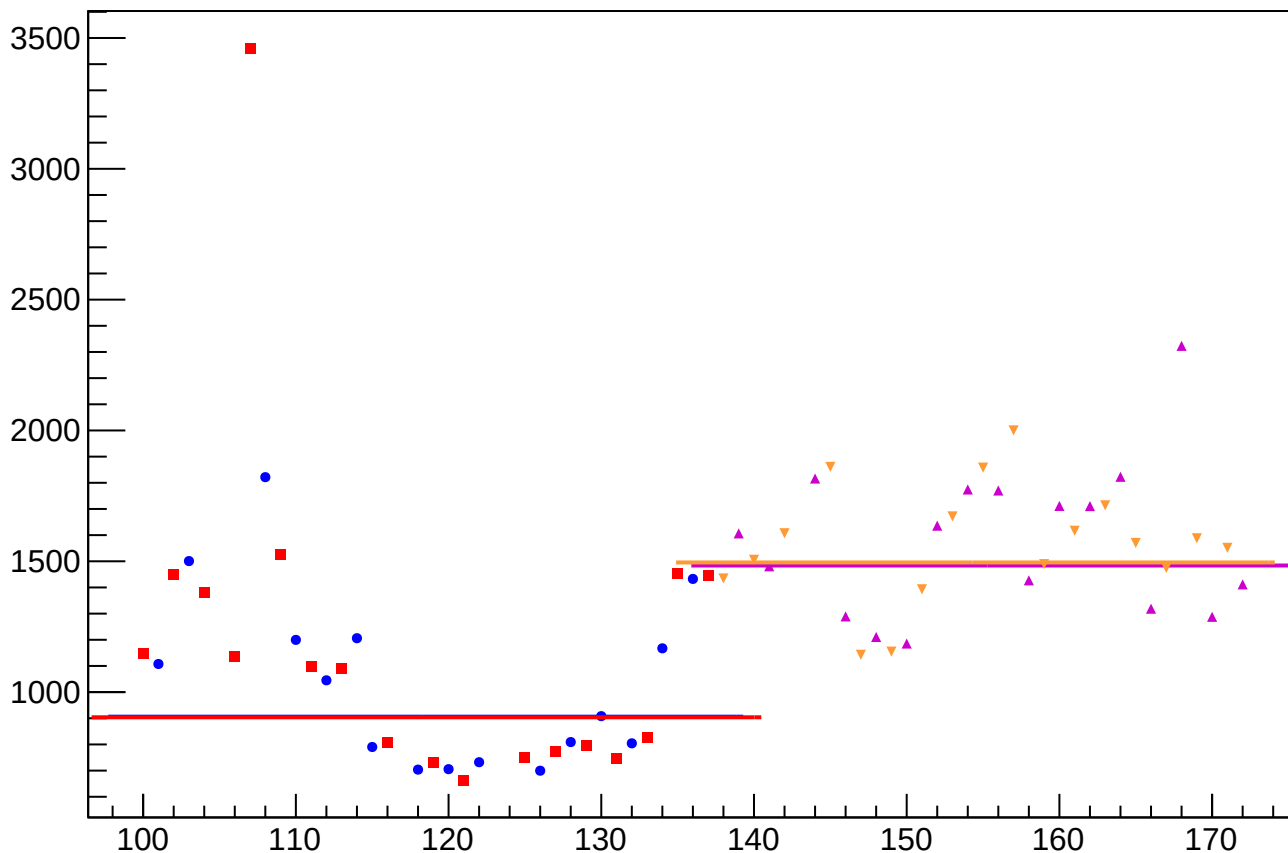
Left In: -265.685 ± 403.106 $\chi^2/\text{NDF}: 8.4/16$

+ sign -412.619 ± 268.208 $\chi^2/\text{NDF}: 61.5/32$

All: -415.076 ± 188.312 $\chi^2/\text{NDF}: 93.4/67$

- sign -417.465 ± 264.458 $\chi^2/\text{NDF}: 31.9/34$

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 906.034 $\pm$ 0.248 χ^2 /NDF: 1079440.1/15

Left Out: 1495.511 $\pm$ 0.294 χ^2 /NDF: 612136.2/16

Right Out: 903.751 $\pm$ 0.248 χ^2 /NDF: 1339985.4/17

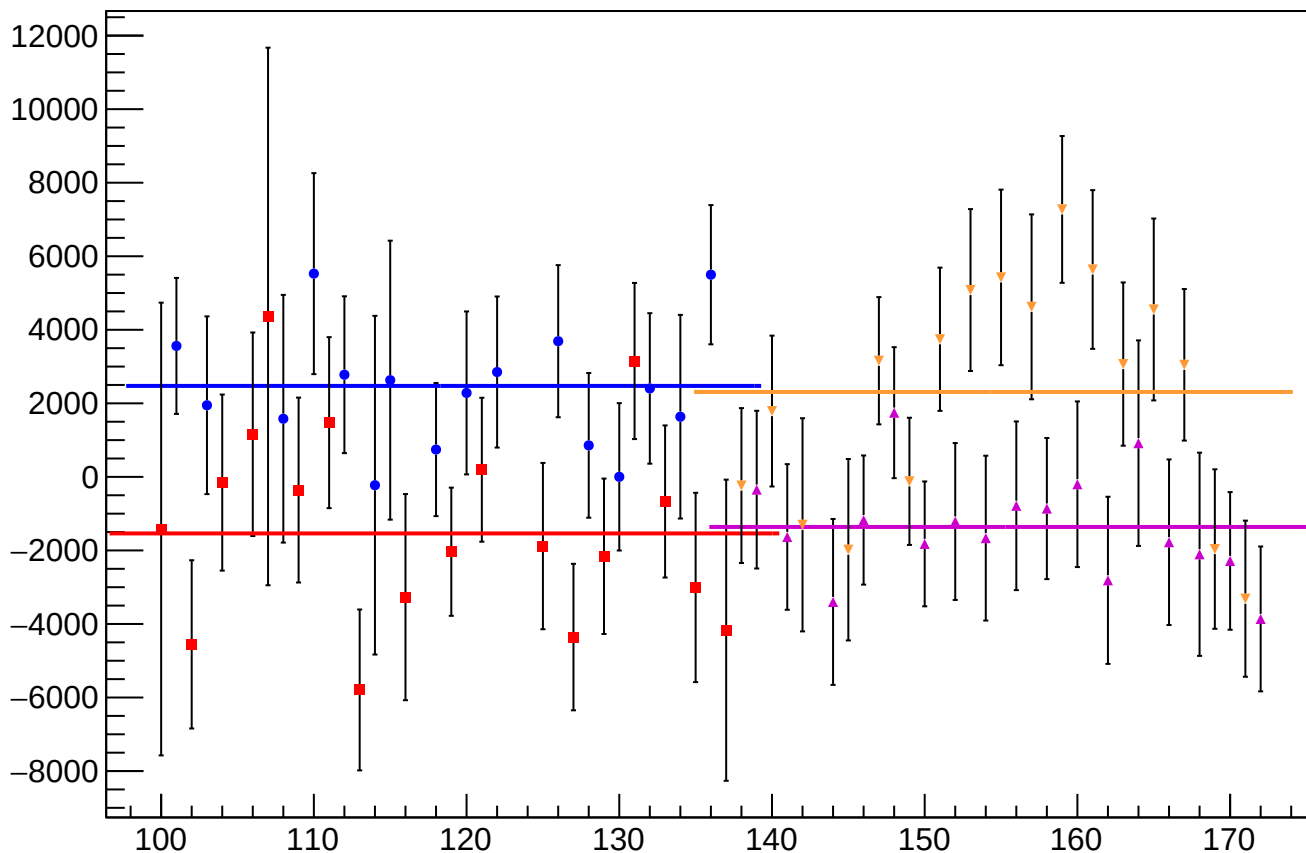
Left In: 1483.823 $\pm$ 0.285 χ^2 /NDF: 799956.3/16

+ sign 1151.944 $\pm$ 0.190 χ^2 /NDF: 4040534.8/32

All: 1152.690 $\pm$ 0.133 χ^2 /NDF: 8539486.5/67

- sign 1153.415 $\pm$ 0.187 χ^2 /NDF: 4498921.2/34

asym_usl_mean vs Slug



Right In: 2474.066 $\pm$ 562.796 χ^2 /NDF: 8.2/15

Left Out: 2309.942 $\pm$ 518.403 χ^2 /NDF:33.5/16

Right Out: -1537.435 $\pm$ 563.556 χ^2 /NDF: 18.5/17

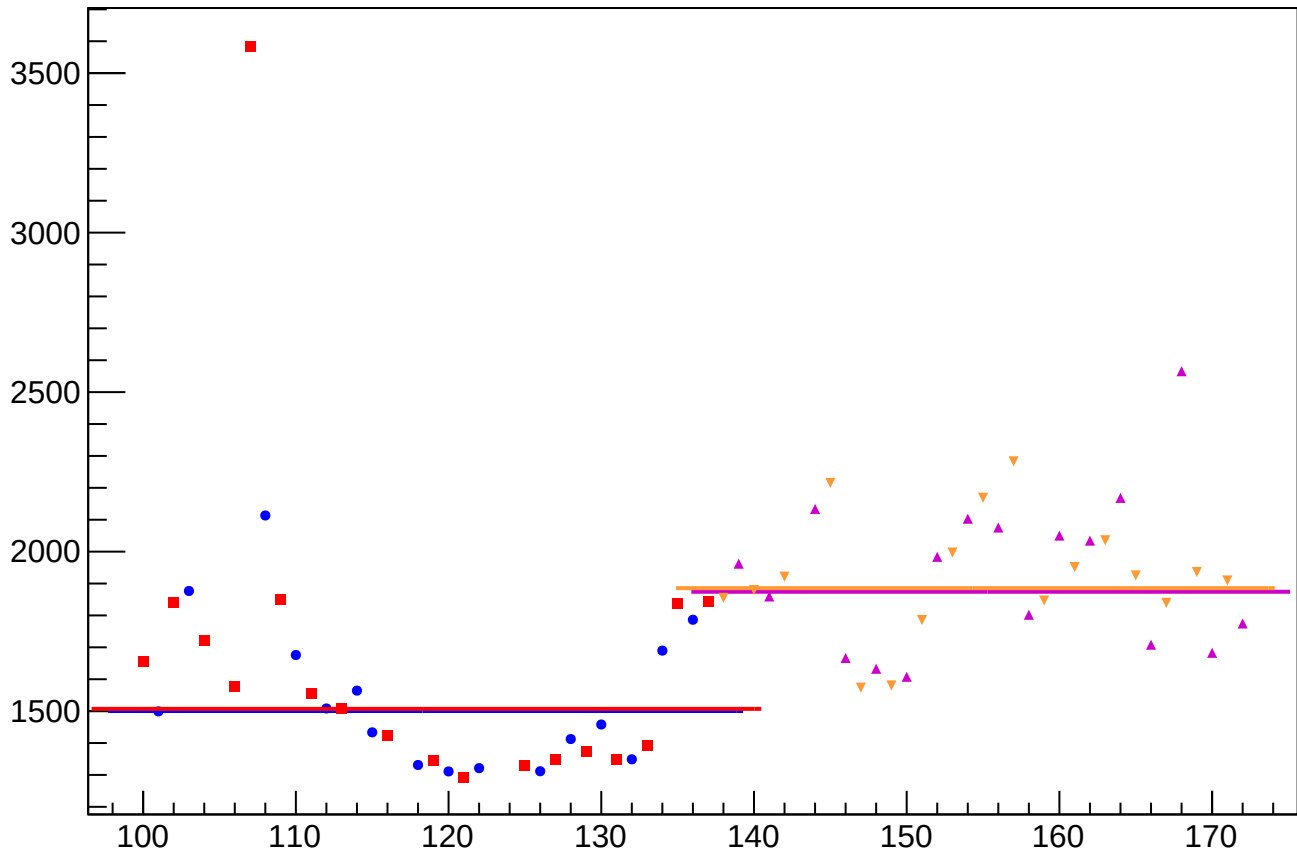
Left In: -1361.335 $\pm$ 504.703 χ^2 /NDF:7.6/16

+ sign 2385.277 $\pm$ 381.296 χ^2 /NDF: 41.8/32

All: 445.885 $\pm$ 267.714 χ^2 /NDF: 119.0/67

- sign -1439.713 $\pm$ 375.970 χ^2 /NDF: 26.2/34

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

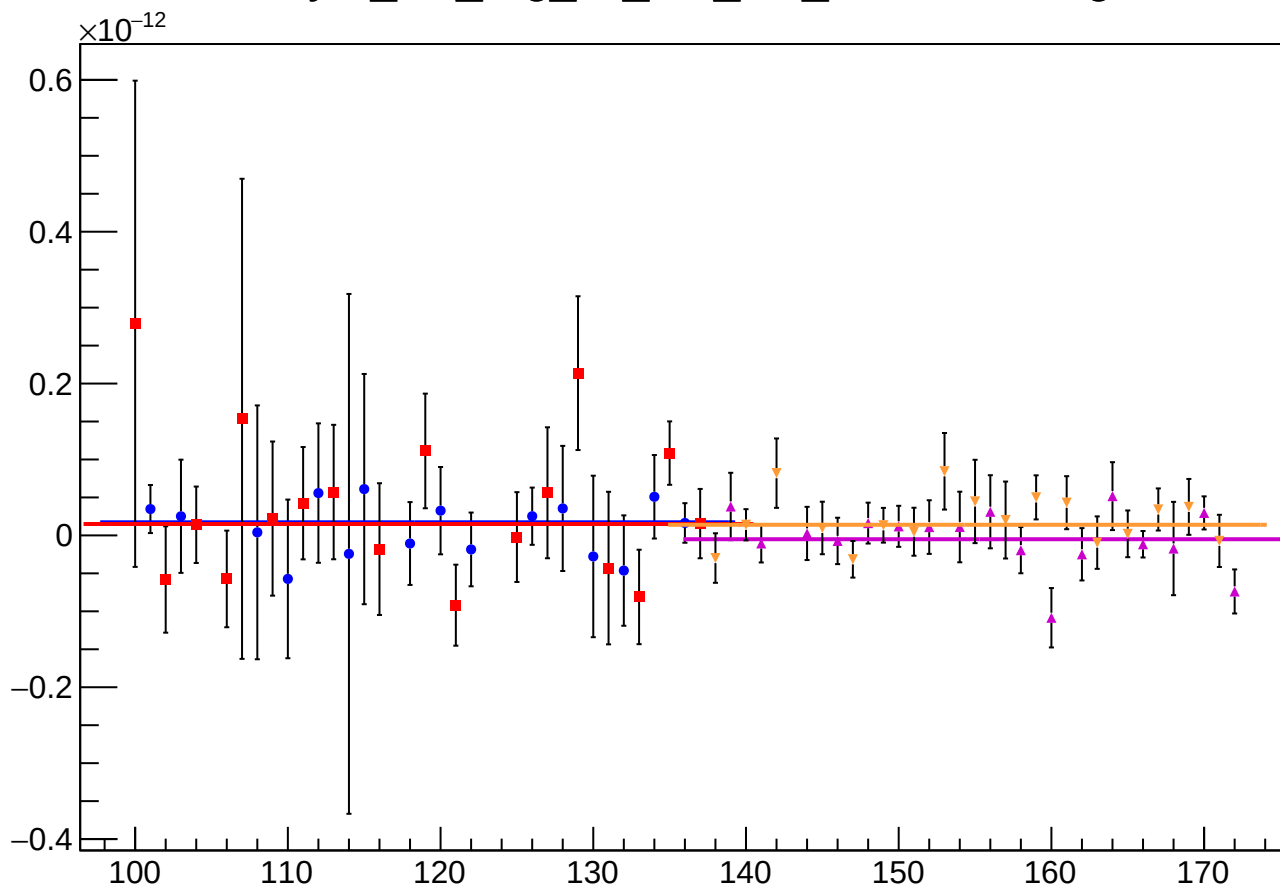
Left In: 1874.196+/-0.357 χ^2/NDF : 394679.7/16

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

All: 1709.776+/-0.189 χ^2/NDF : 2299236.4/67

- sign 1710.810+/-0.266 χ^2/NDF : 1266834.6/34

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14.1/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/17

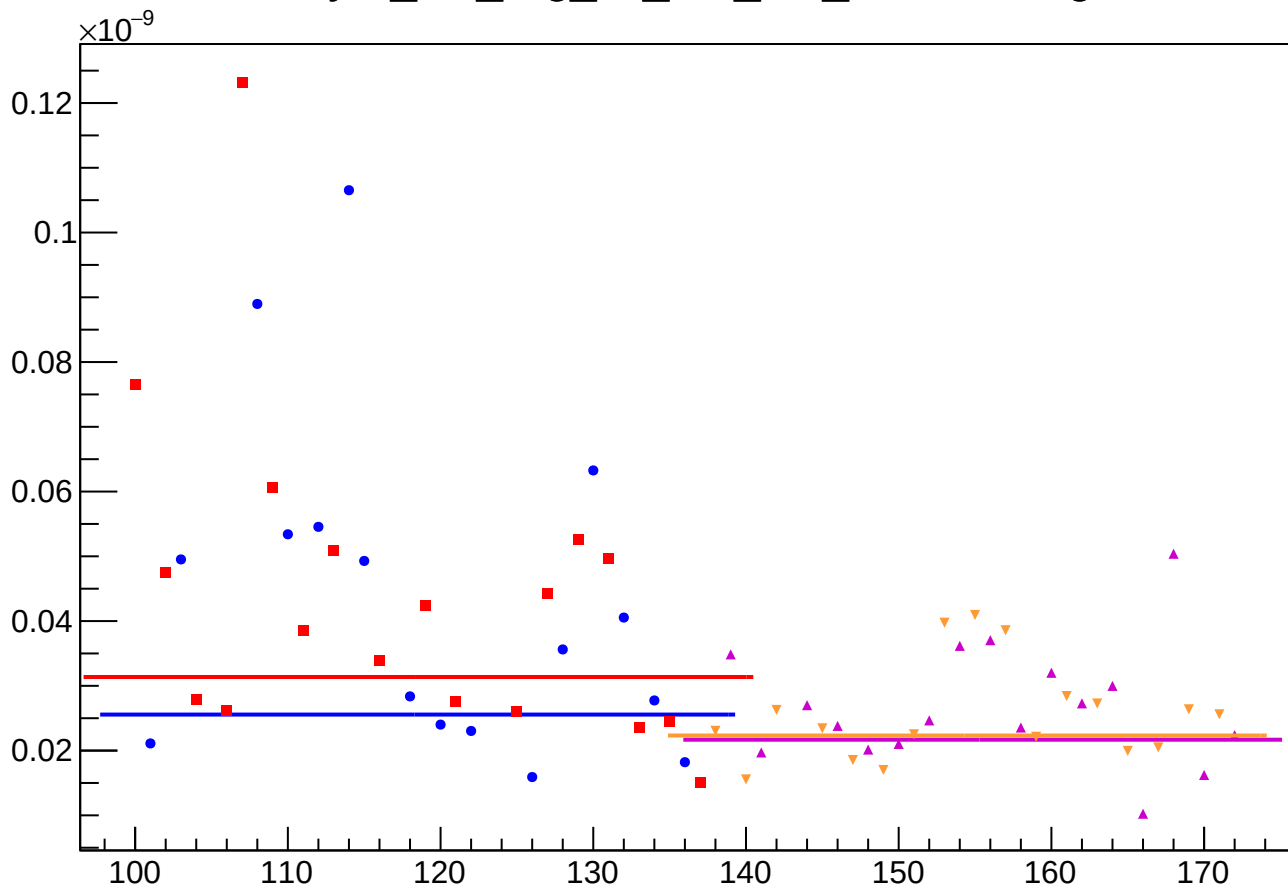
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63.6/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/34

asym_usl_reg_vs_cor_diff_rms vs Slug



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

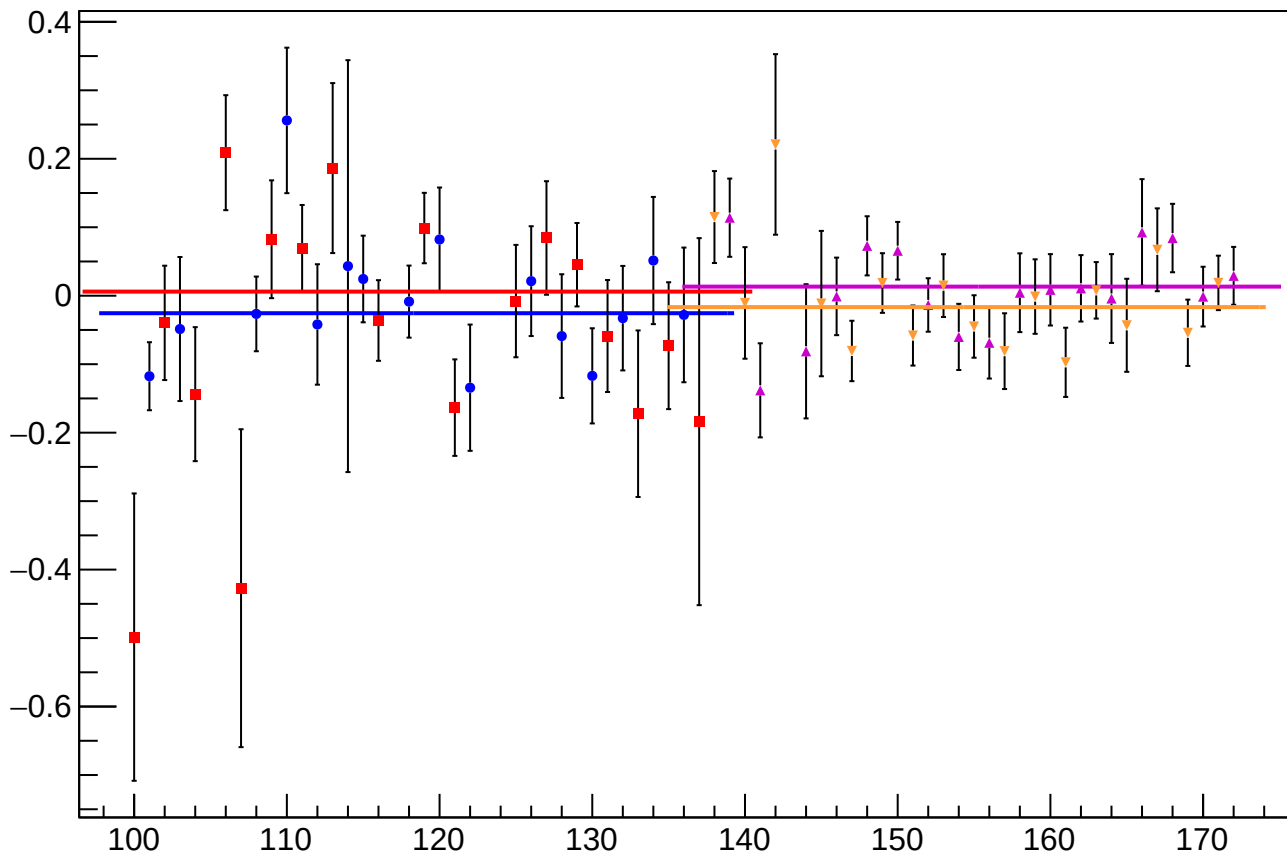
Left In: 0.000+/-0.000 χ^2/NDF : 2356936.5/16

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

All: 0.000+/-0.000 χ^2/NDF : 7211783.8/67

- sign 0.000+/-0.000 χ^2/NDF : 4183184.8/34

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

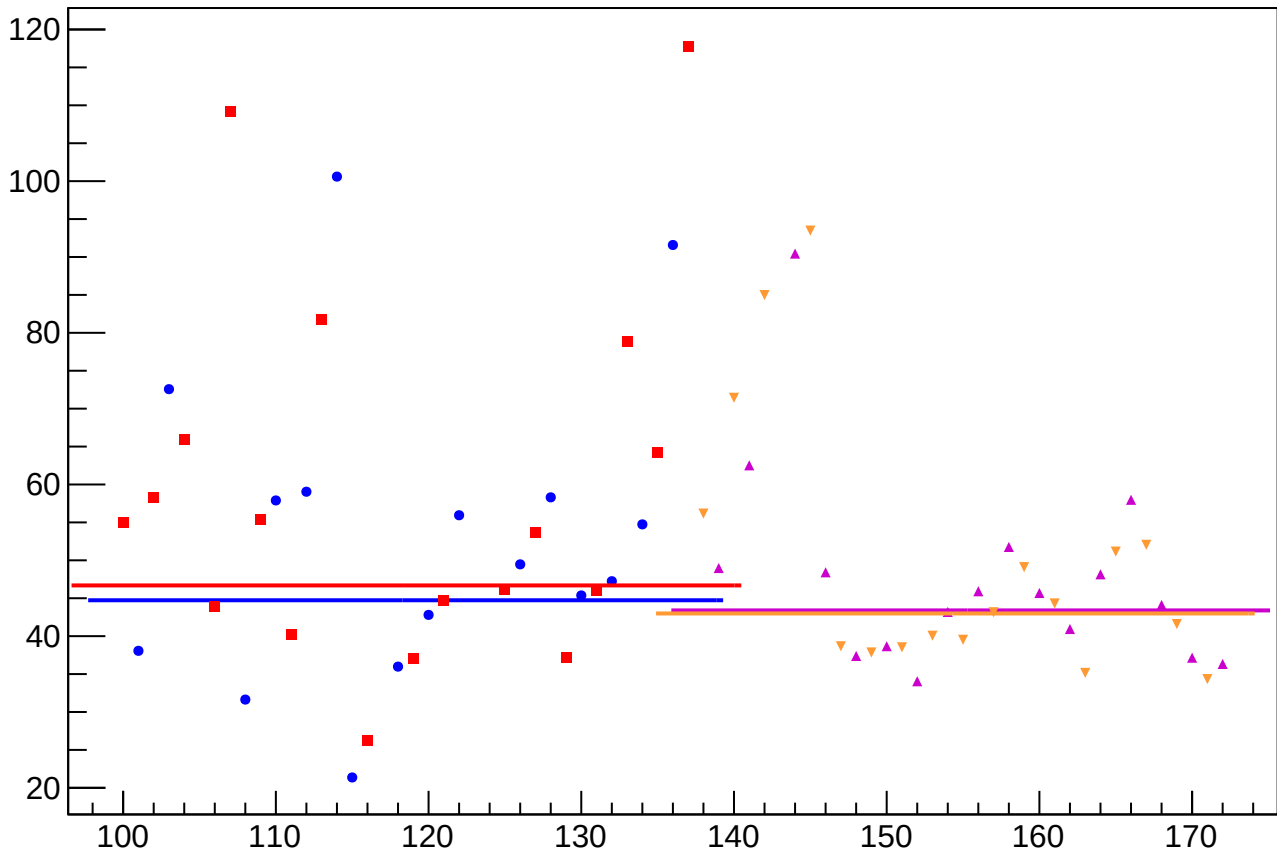
Left In: 0.013 ± 0.012 χ^2/NDF : 21.1/16

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

All: -0.004 ± 0.007 χ^2/NDF : 99.1/67

- sign 0.011 ± 0.010 χ^2/NDF : 57.7/34

asym_usl_dit_vs_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

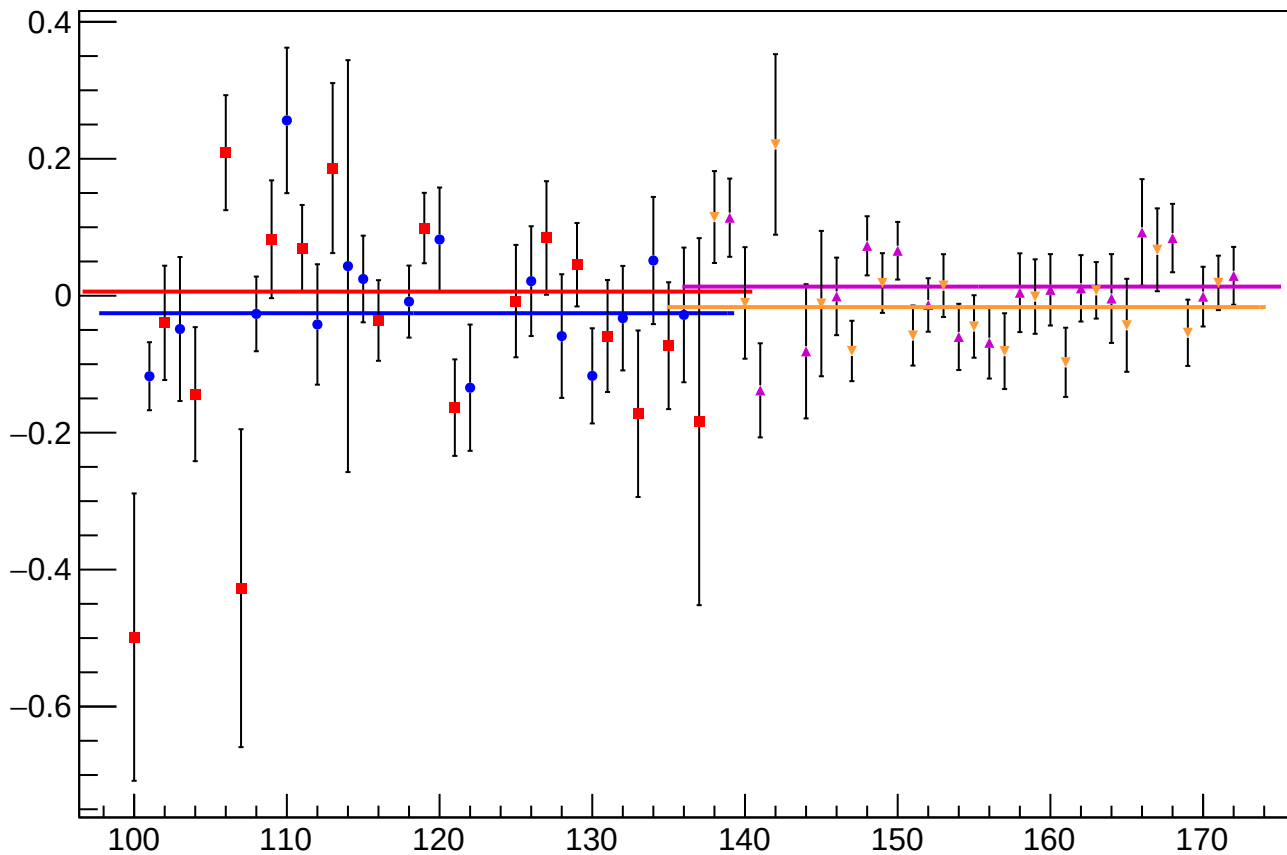
Left In: 43.394+/-0.009 χ^2 /NDF:1063481.5/16

+ sign 43.537+/-0.007 χ^2 /NDF: 2678437.9/32

All: 43.947+/-0.005 χ^2 /NDF: 4984417.2/67

- sign 44.355+/-0.007 χ^2 /NDF: 2299892.2/34

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026 $\pm$ 0.019 χ^2/NDF : 17.6/15

Left Out: -0.017 $\pm$ 0.013 χ^2/NDF : 19.4/16

Right Out: 0.006 $\pm$ 0.019 χ^2/NDF : 36.5/17

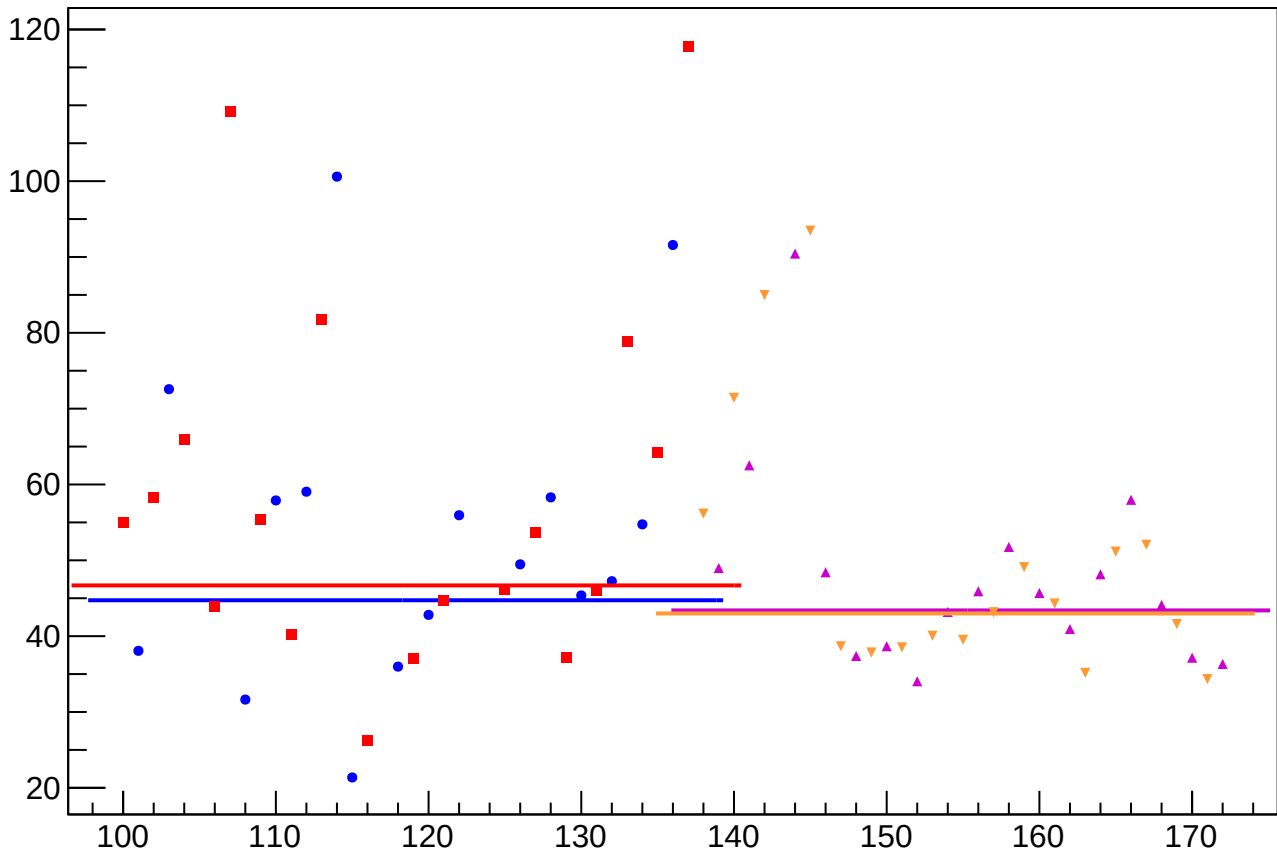
Left In: 0.013 $\pm$ 0.012 χ^2/NDF : 21.1/16

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

All: -0.004 $\pm$ 0.007 χ^2/NDF : 99.1/67

- sign 0.011 $\pm$ 0.010 χ^2/NDF : 57.7/34

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.733 $\pm$ 0.013 χ^2 /NDF: 1334541.9/15

Left Out: 42.991 $\pm$ 0.009 χ^2 /NDF:1332063.2/16

Right Out: 46.691 $\pm$ 0.014 χ^2 /NDF: 1195464.6/17

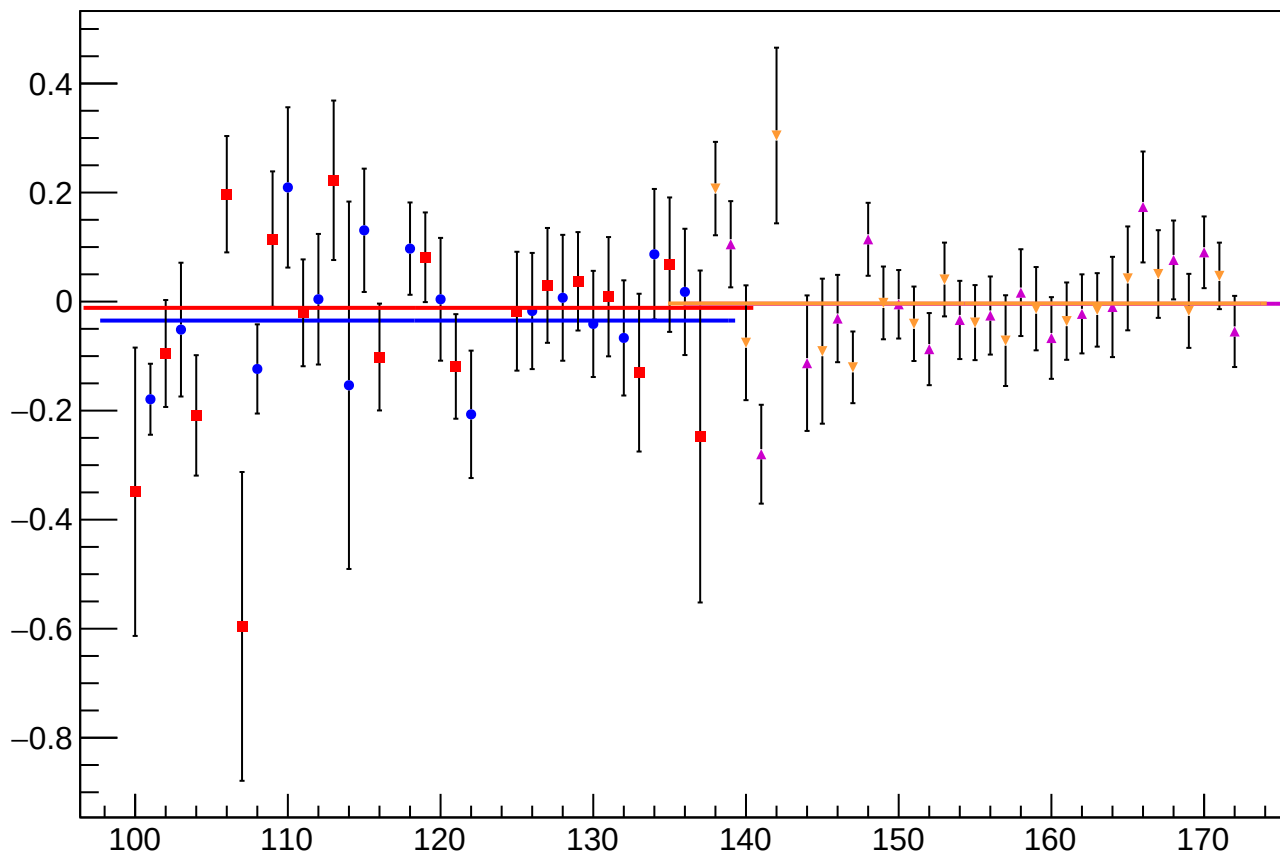
Left In: 43.394 $\pm$ 0.009 χ^2 /NDF:1063481.5/16

+ sign 43.537 $\pm$ 0.007 χ^2 /NDF: 2678437.9/32

All: 43.947 $\pm$ 0.005 χ^2 /NDF: 4984417.2/67

- sign 44.355 $\pm$ 0.007 χ^2 /NDF: 2299892.2/34

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

Left Out: -0.003 ± 0.019 χ^2/NDF : 17.1/16

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

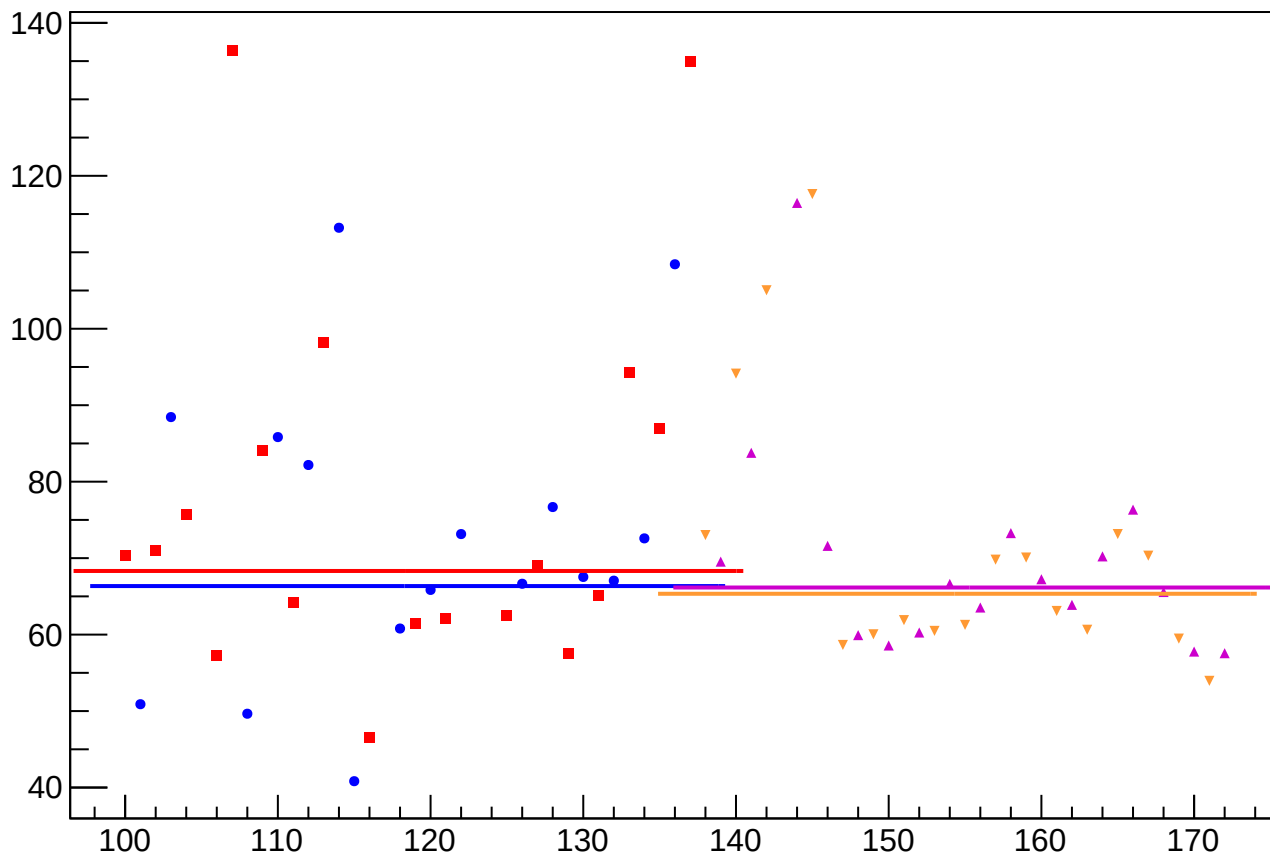
Left In: -0.004 ± 0.018 χ^2/NDF : 24.8/16

+ sign -0.014 ± 0.015 χ^2/NDF : 35.5/32

All: -0.010 ± 0.011 χ^2/NDF : 83.2/67

- sign -0.006 ± 0.015 χ^2/NDF : 47.6/34

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.348 ± 0.019 $\chi^2/\text{NDF}: 772653.3/15$

Left Out: 65.340 ± 0.013 $\chi^2/\text{NDF}: 782602.5/16$

Right Out: 68.322 ± 0.019 $\chi^2/\text{NDF}: 629670.0/17$

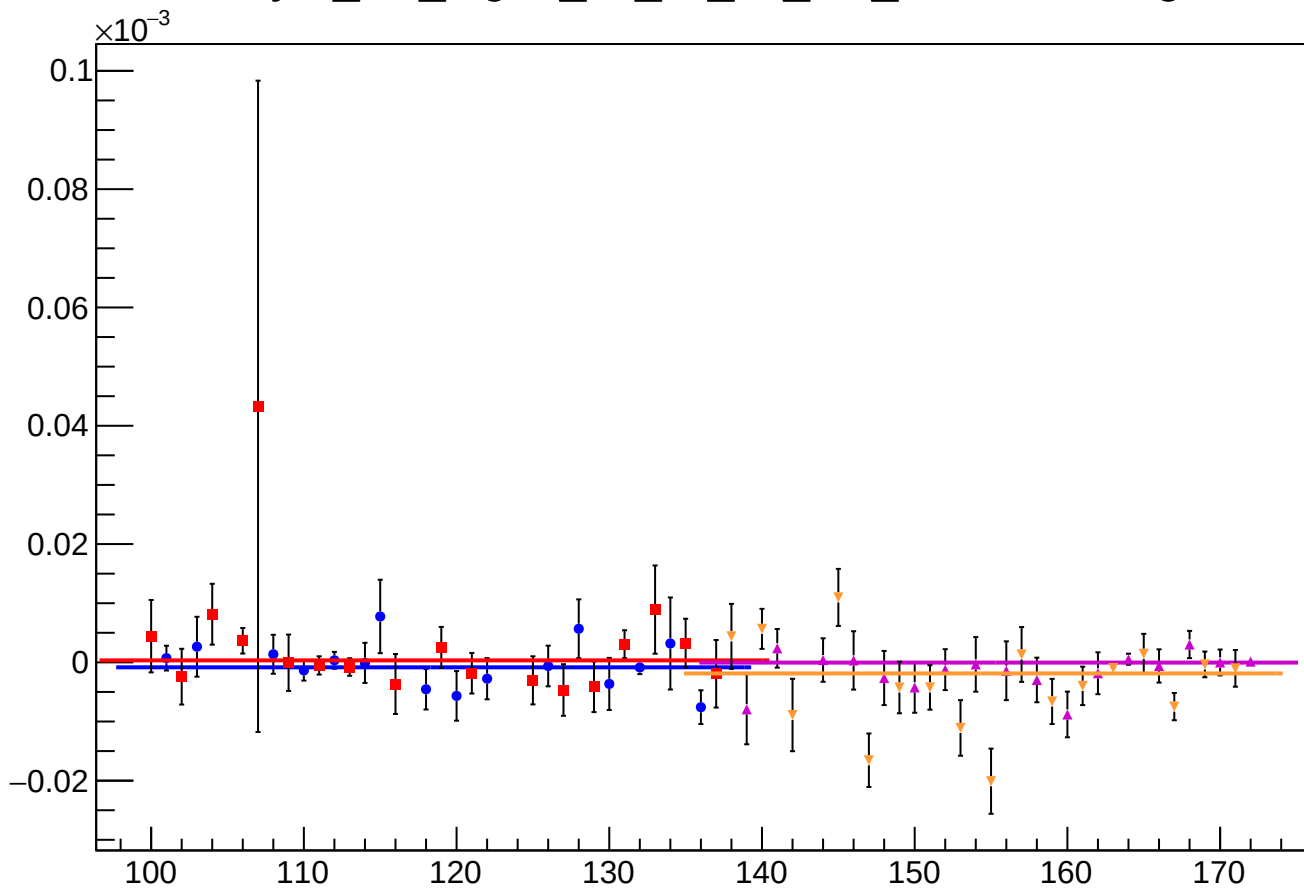
Left In: 66.159 ± 0.013 $\chi^2/\text{NDF}: 590464.0/16$

+ sign 65.676 ± 0.011 $\chi^2/\text{NDF}: 1557220.7/32$

All: 66.260 ± 0.008 $\chi^2/\text{NDF}: 2792141.3/67$

- sign 66.842 ± 0.011 $\chi^2/\text{NDF}: 1228981.0/34$

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.0/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.8/17

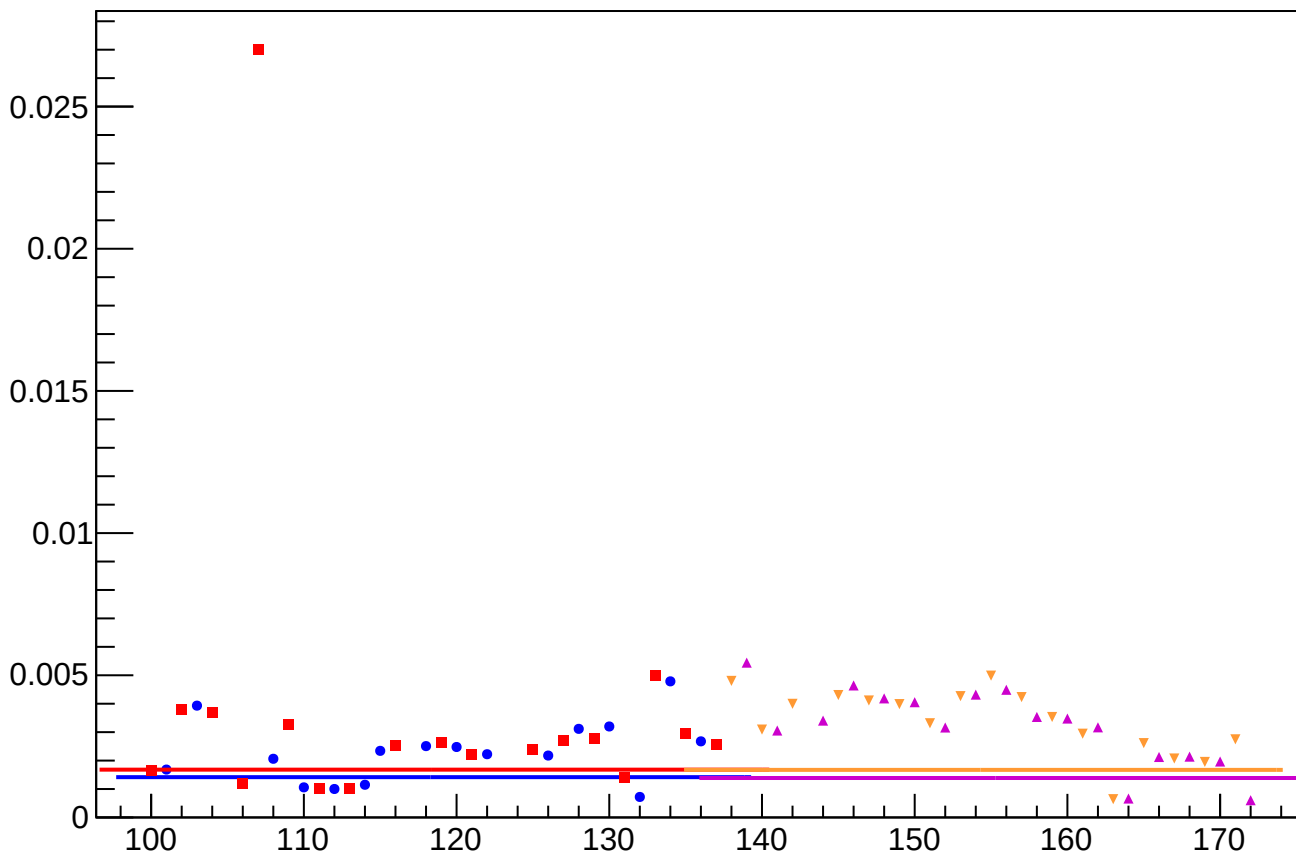
Left In: -0.000 ± 0.000 χ^2/NDF : 12.1/16

+ sign -0.000 ± 0.000 χ^2/NDF : 68.5/32

All: -0.000 ± 0.000 χ^2/NDF : 101.6/67

- sign 0.000 ± 0.000 χ^2/NDF : 27.0/34

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 3547259.2/15

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 10087033.5/16

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 3427218.5/17

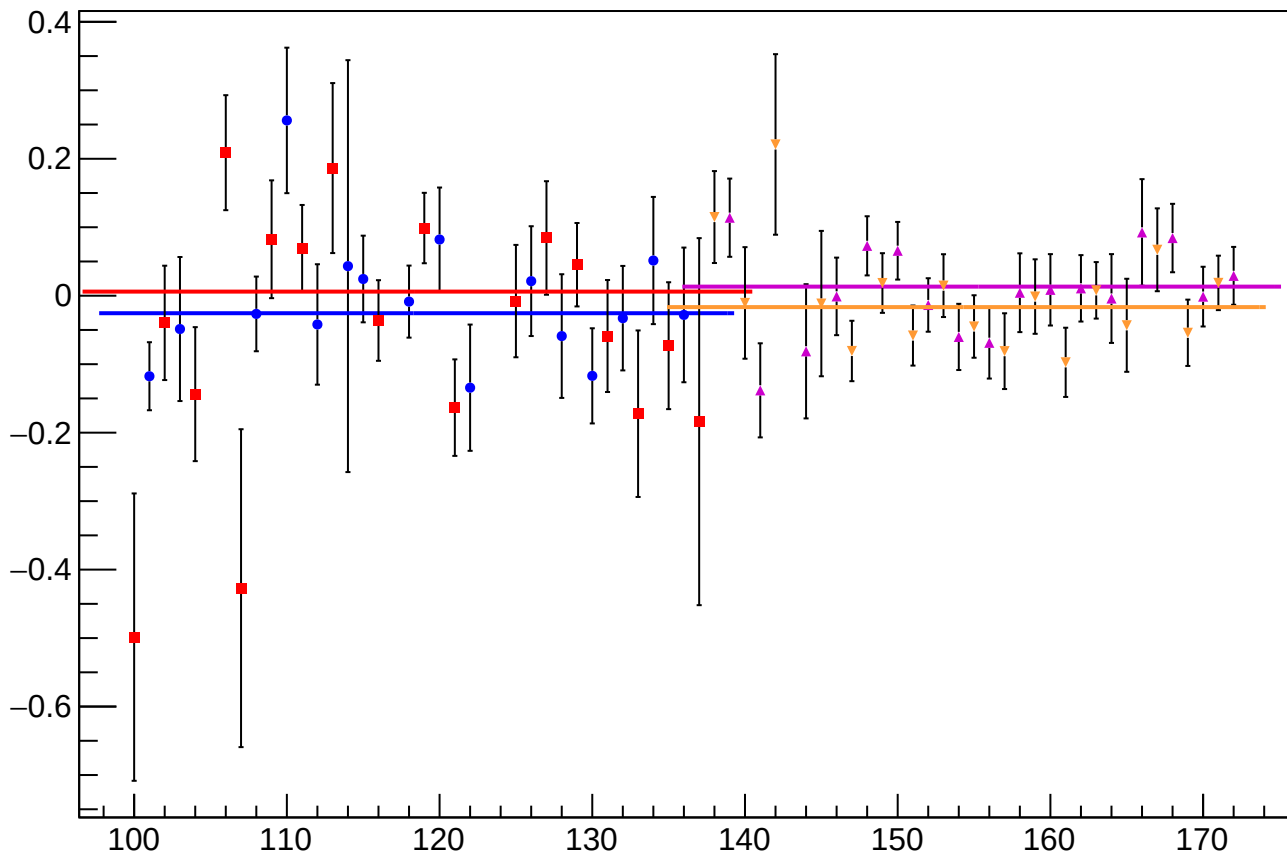
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 11888020.4/16

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 13814826.8/32

All: 0.002 $\pm$ 0.000 χ^2/NDF : 29377816.2/67

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 15537045.1/34

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

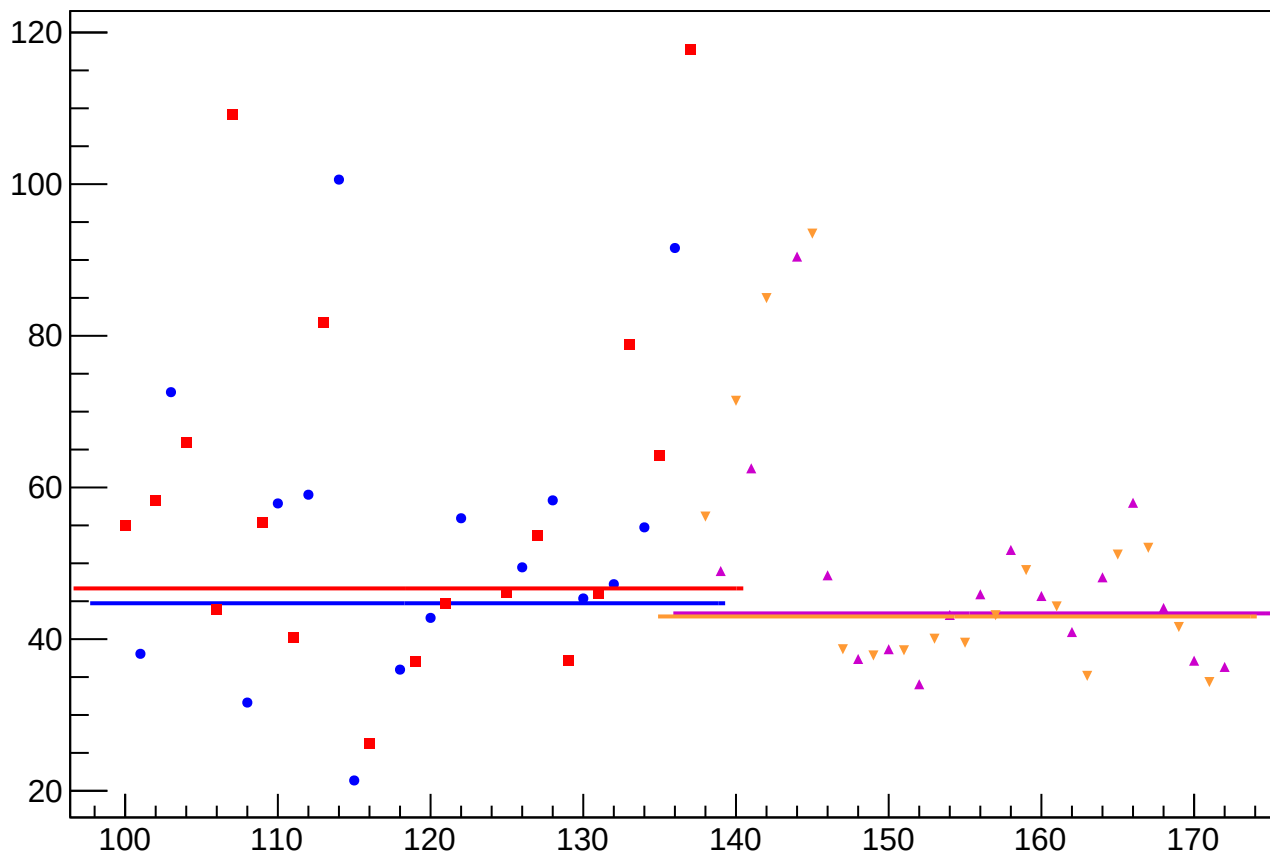
Left In: 0.013 ± 0.012 χ^2/NDF : 21.1/16

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

All: -0.004 ± 0.007 χ^2/NDF : 99.1/67

- sign 0.011 ± 0.010 χ^2/NDF : 57.7/34

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 0.013 χ^2/NDF : 1334604.0/15

Left Out: 42.991 $\pm$ 0.009 χ^2/NDF : 1332033.4/16

Right Out: 46.690 $\pm$ 0.014 χ^2/NDF : 1195504.1/17

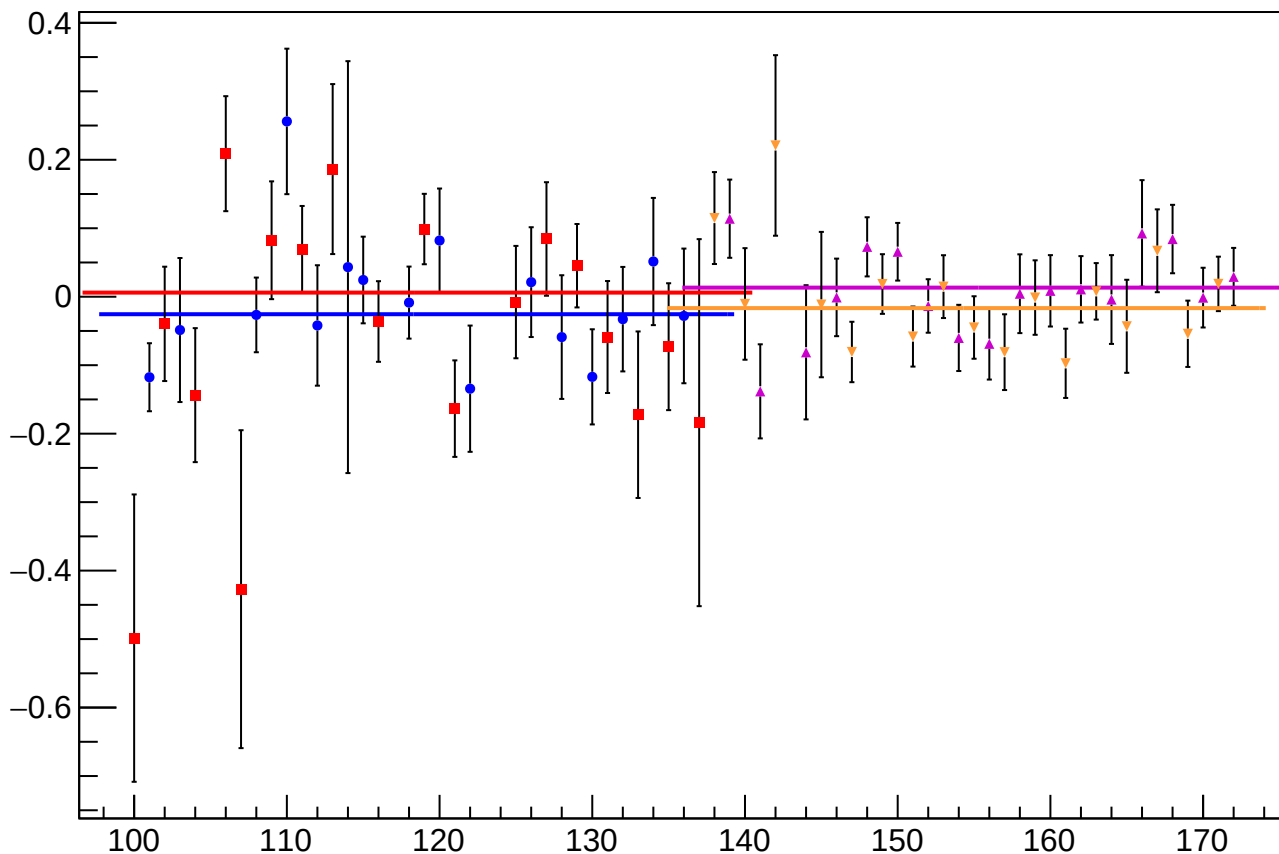
Left In: 43.395 $\pm$ 0.009 χ^2/NDF : 1063457.1/16

+ sign 43.537 $\pm$ 0.007 χ^2/NDF : 2678455.3/32

All: 43.947 $\pm$ 0.005 χ^2/NDF : 4984423.1/67

- sign 44.355 $\pm$ 0.007 χ^2/NDF : 2299879.9/34

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

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

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

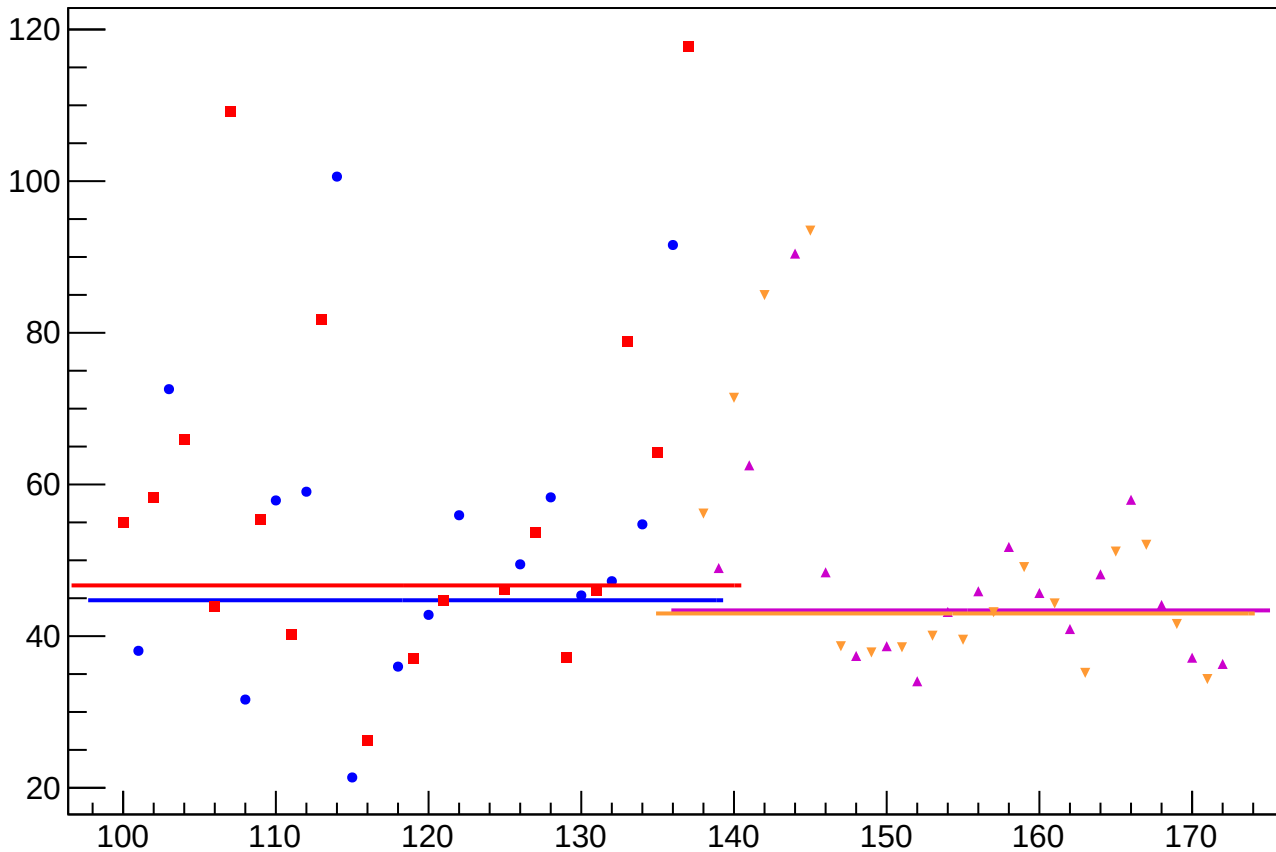
Left In: 0.013 ± 0.012 χ^2/NDF : 21.1/16

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

All: -0.004 ± 0.007 χ^2/NDF : 99.1/67

- sign 0.011 ± 0.010 χ^2/NDF : 57.7/34

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.732 $\pm$ 0.013 χ^2 /NDF: 1334604.0/15

Left Out: 42.991 $\pm$ 0.009 χ^2 /NDF:1332033.4/16

Right Out: 46.690 $\pm$ 0.014 χ^2 /NDF: 1195504.1/17

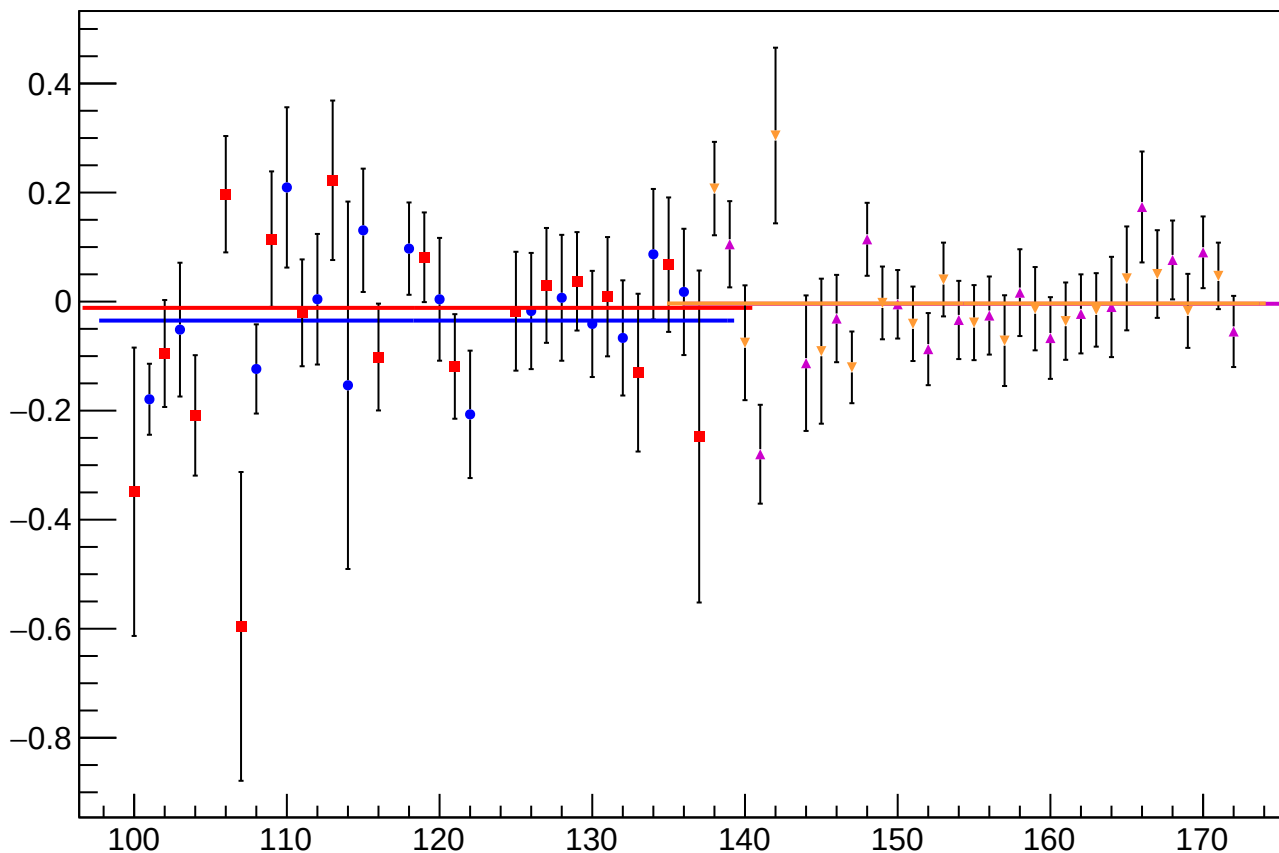
Left In: 43.395 $\pm$ 0.009 χ^2 /NDF:1063457.1/16

+ sign 43.537 $\pm$ 0.007 χ^2 /NDF: 2678455.3/32

All: 43.947 $\pm$ 0.005 χ^2 /NDF: 4984423.1/67

- sign 44.355 $\pm$ 0.007 χ^2 /NDF: 2299879.9/34

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

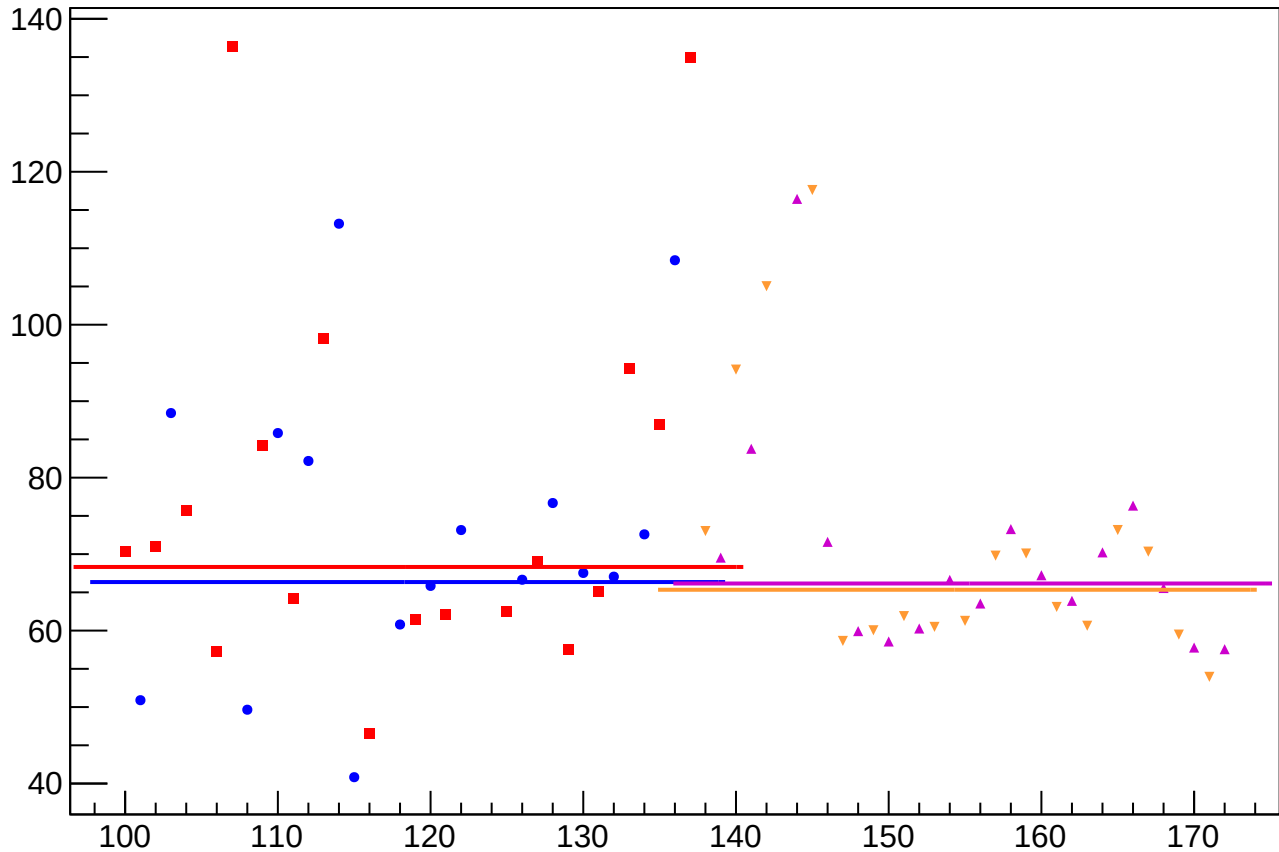
Left In: -0.004 ± 0.018 χ^2/NDF : 24.8/16

+ sign -0.014 ± 0.015 χ^2/NDF : 35.5/32

All: -0.010 ± 0.011 χ^2/NDF : 83.2/67

- sign -0.006 ± 0.015 χ^2/NDF : 47.6/34

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

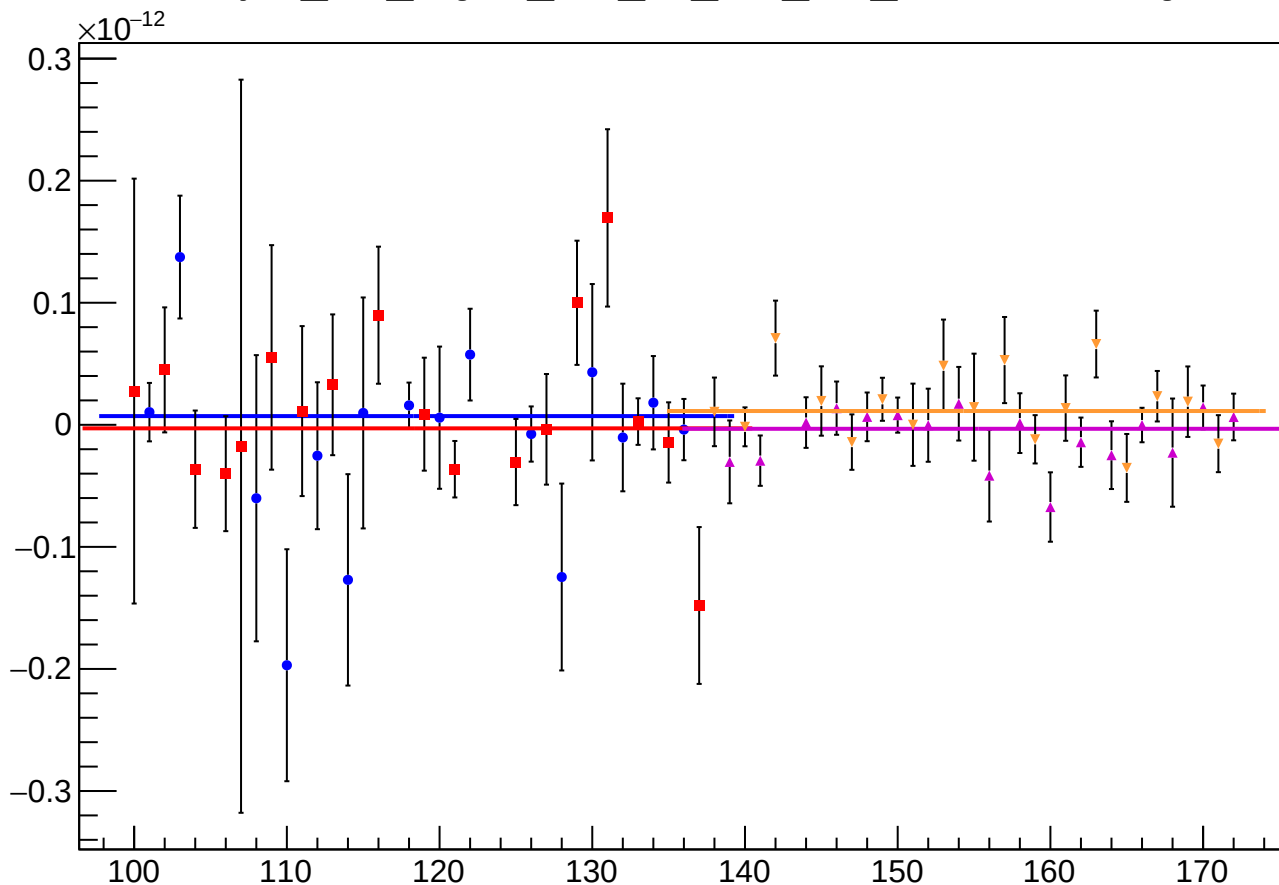
Left In: 66.159 +/- 0.013 χ^2/NDF : 590453.2/16

+ sign 65.676 +/- 0.011 χ^2/NDF : 1557213.4/32

All: 66.260 +/- 0.008 χ^2/NDF : 2792112.0/67

- sign 66.842 +/- 0.011 χ^2/NDF : 1228959.2/34

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

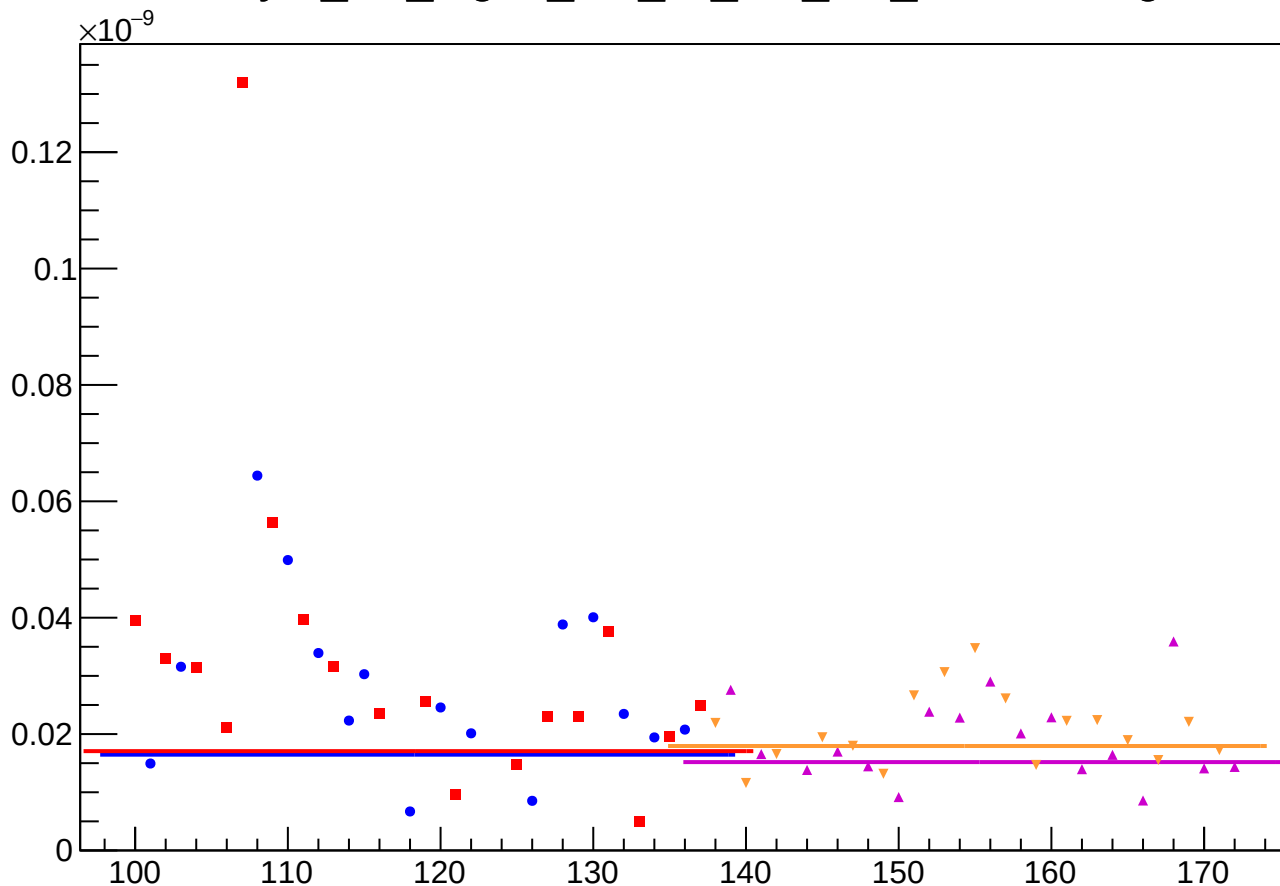
Left In: -0.000 ± 0.000 χ^2/NDF : 12.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 39.1/32

All: 0.000 ± 0.000 χ^2/NDF : 78.9/67

- sign -0.000 ± 0.000 χ^2/NDF : 36.1/34

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

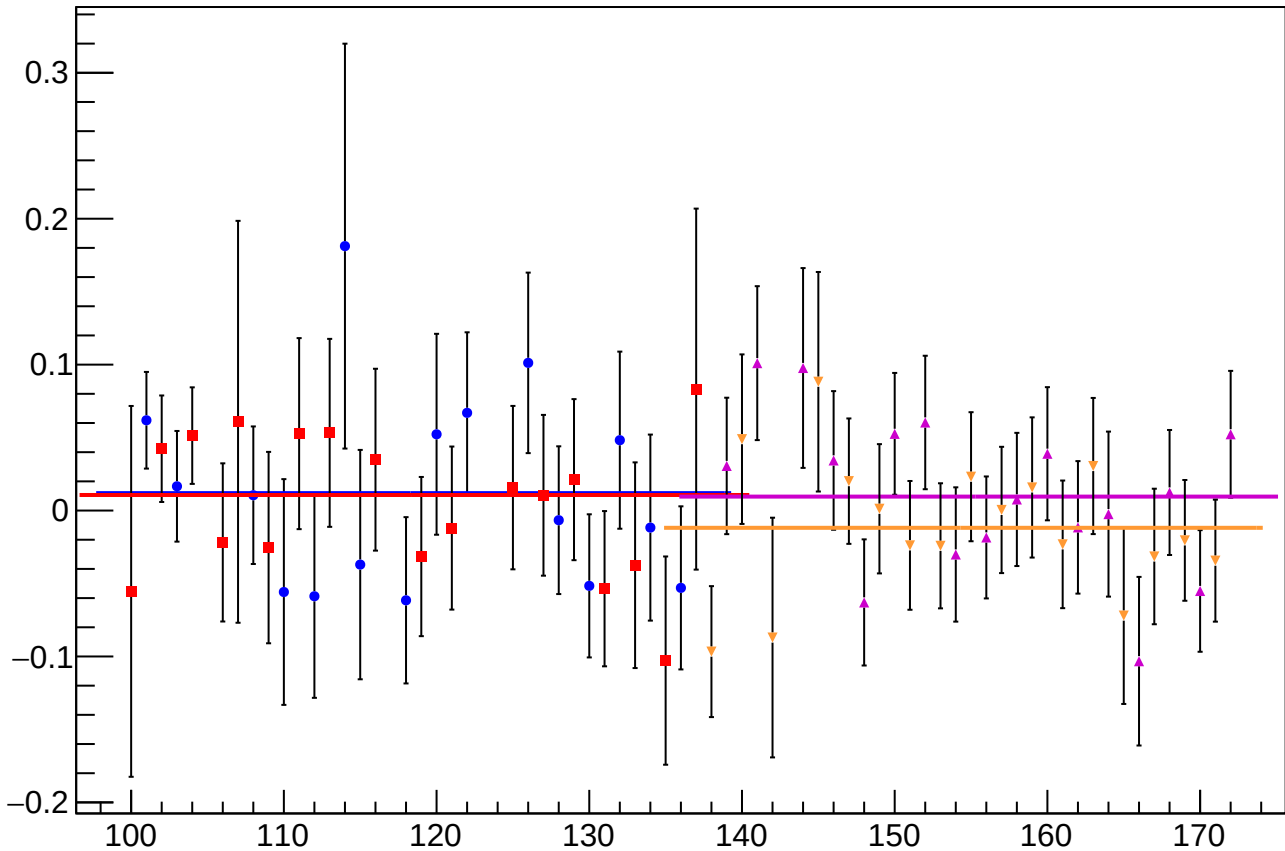
Left In: 0.000+/-0.000 χ^2/NDF :2342284.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 3888196.4/32

All: 0.000+/-0.000 χ^2/NDF : 9231866.1/67

- sign 0.000+/-0.000 χ^2/NDF : 5190778.9/34

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012 $\pm$ 0.014 χ^2 /NDF: 14.7/15

Left Out: -0.012 $\pm$ 0.011 χ^2 /NDF:11.5/16

Right Out: 0.011 $\pm$ 0.013 χ^2 /NDF: 9.9/17

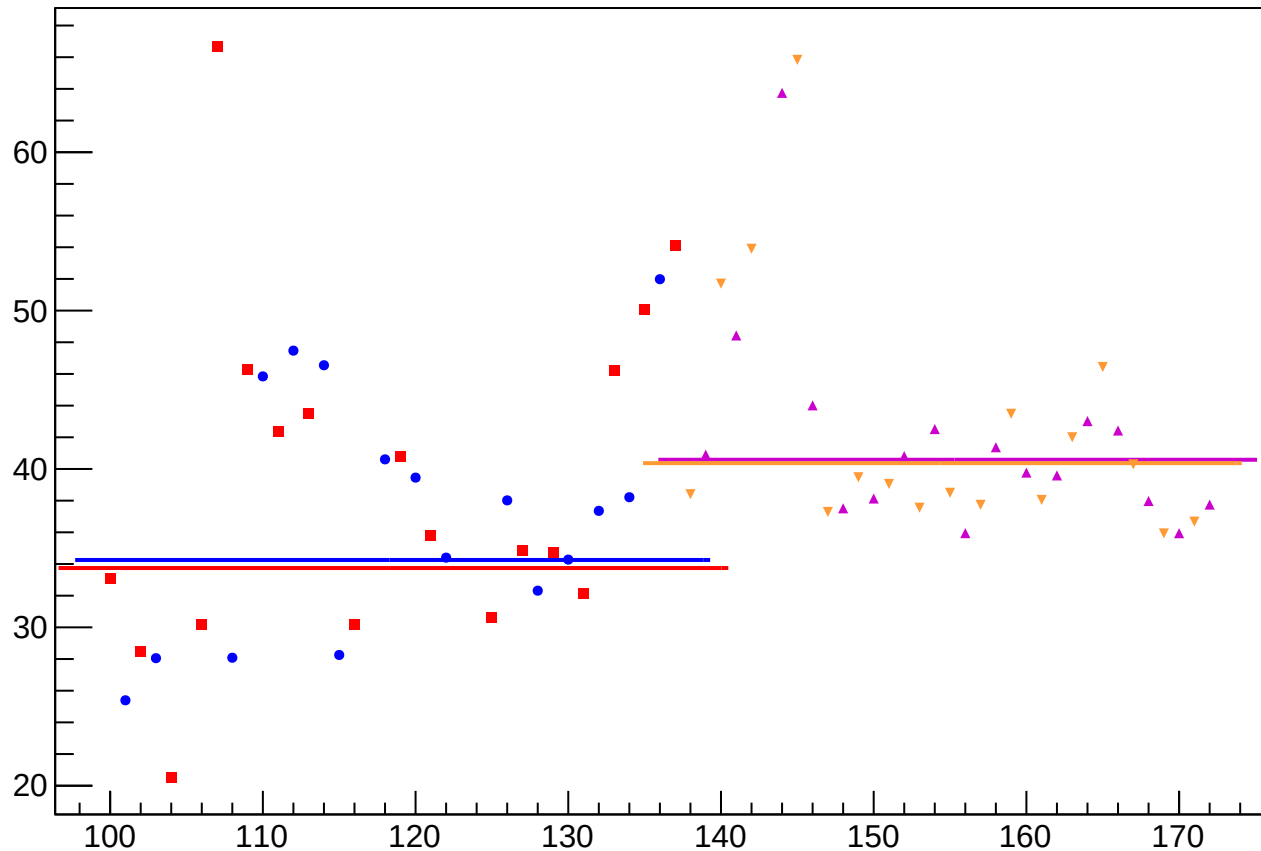
Left In: 0.010 $\pm$ 0.011 χ^2 /NDF:19.3/16

+ sign -0.002 $\pm$ 0.009 χ^2 /NDF: 28.0/32

All: 0.004 $\pm$ 0.006 χ^2 /NDF: 58.2/67

- sign 0.010 $\pm$ 0.009 χ^2 /NDF: 29.3/34

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

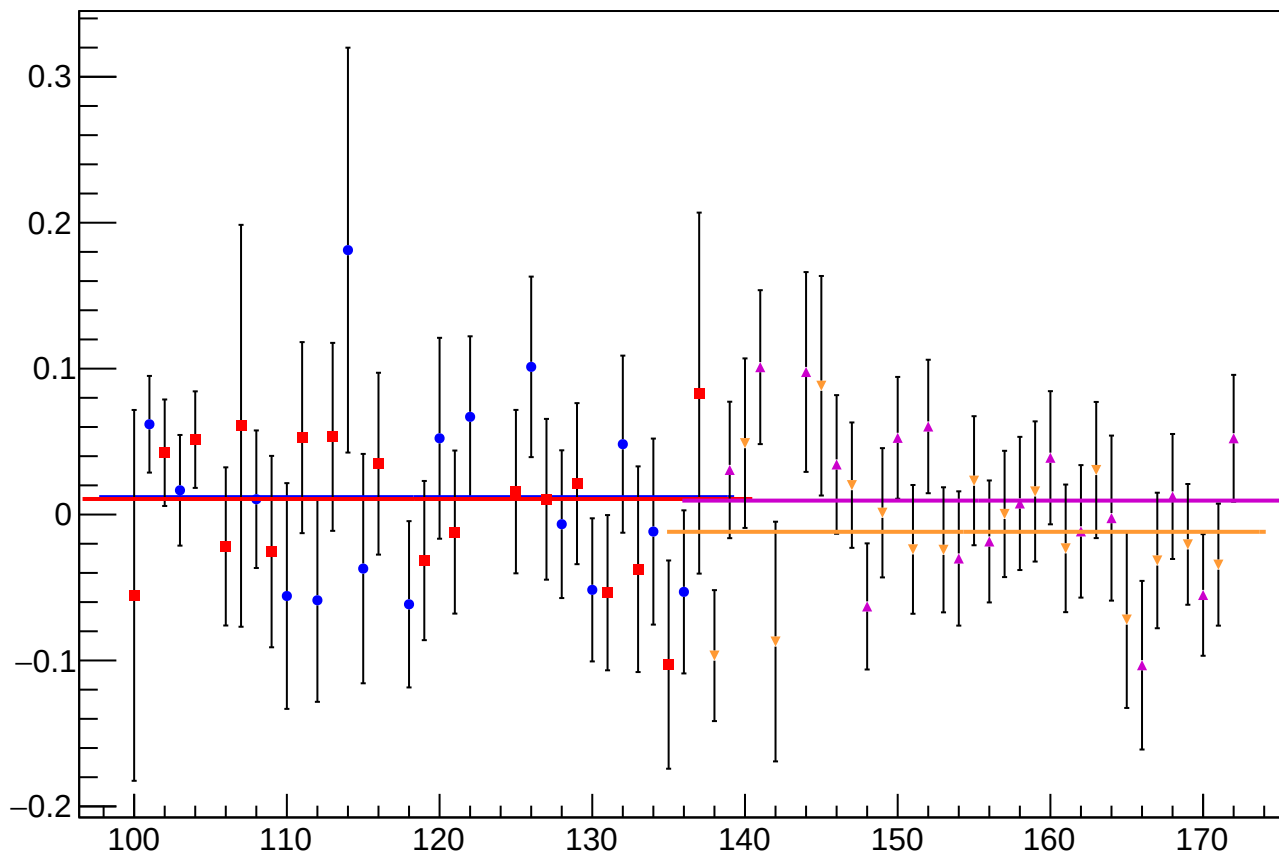
Left In: 40.582+/-0.008 χ^2/NDF : 377529.4/16

+ sign 37.826+/-0.006 χ^2/NDF : 1342789.0/32

All: 37.786+/-0.004 χ^2/NDF : 2935118.3/67

- sign 37.748+/-0.006 χ^2/NDF : 1592249.7/34

asym_usl_overload_cor_vs_eigen_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

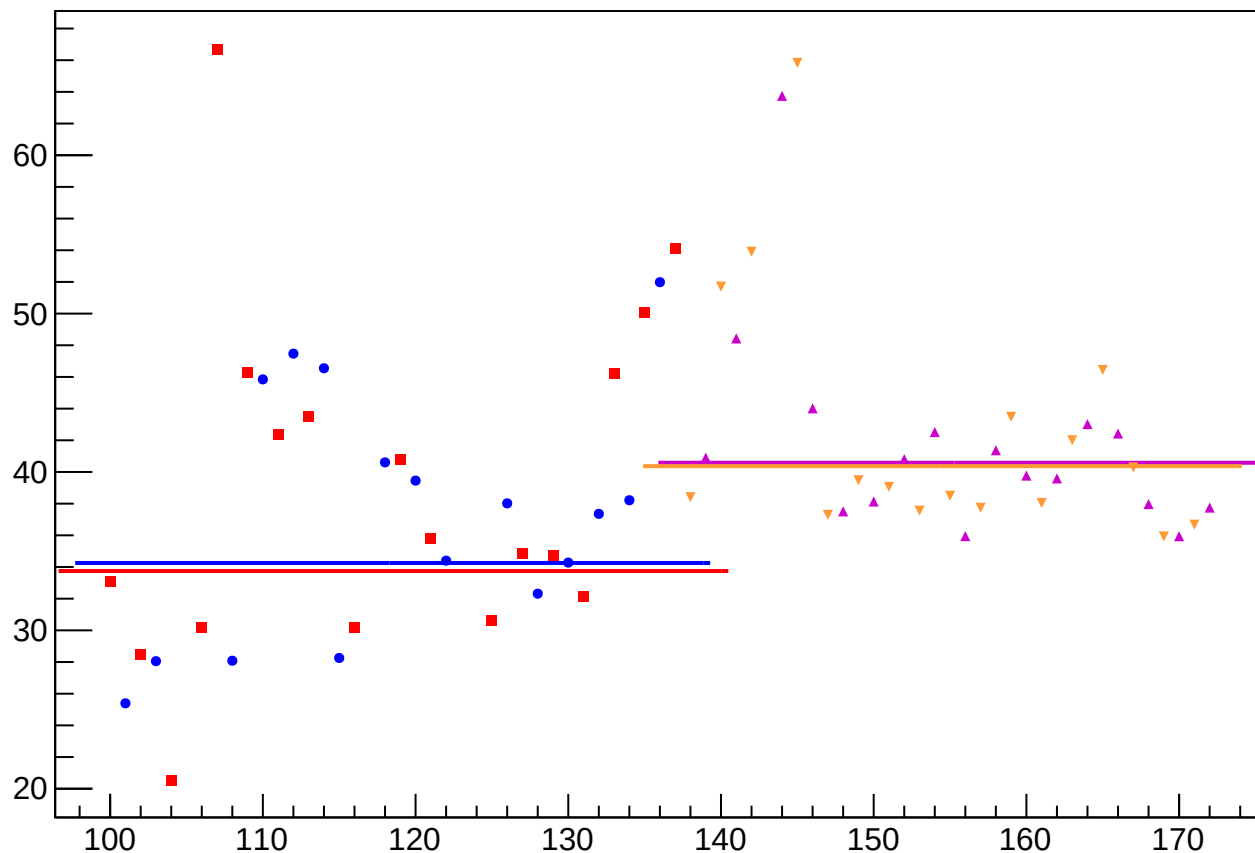
Left In: 0.010 ± 0.011 χ^2/NDF : 19.3/16

+ sign -0.002 ± 0.009 χ^2/NDF : 28.0/32

All: 0.004 ± 0.006 χ^2/NDF : 58.2/67

- sign 0.010 ± 0.009 χ^2/NDF : 29.3/34

asym_usl_overload_cor_vs_eigen_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

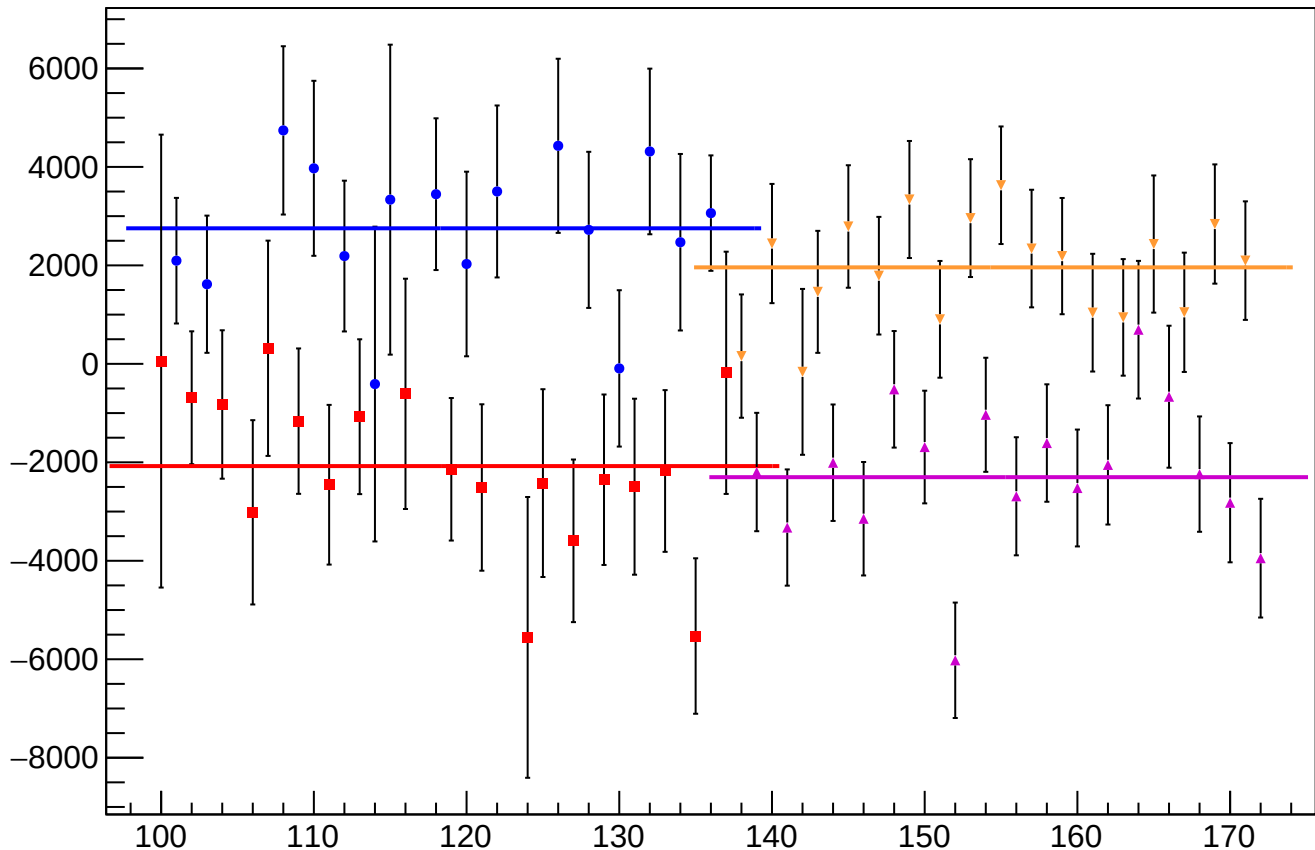
Left In: 40.582+/-0.008 χ^2/NDF : 377529.4/16

+ sign 37.826+/-0.006 χ^2/NDF : 1342789.0/32

All: 37.786+/-0.004 χ^2/NDF : 2935118.3/67

- sign 37.748+/-0.006 χ^2/NDF : 1592249.7/34

reg_asym_usr_mean vs Slug



Right In: 2753.123 ± 409.837 $\chi^2/\text{NDF}: 9.5/15$

Left Out: 1959.845 ± 290.031 $\chi^2/\text{NDF}: 11.9/17$

Right Out: -2076.471 ± 403.796 $\chi^2/\text{NDF}: 12.5/18$

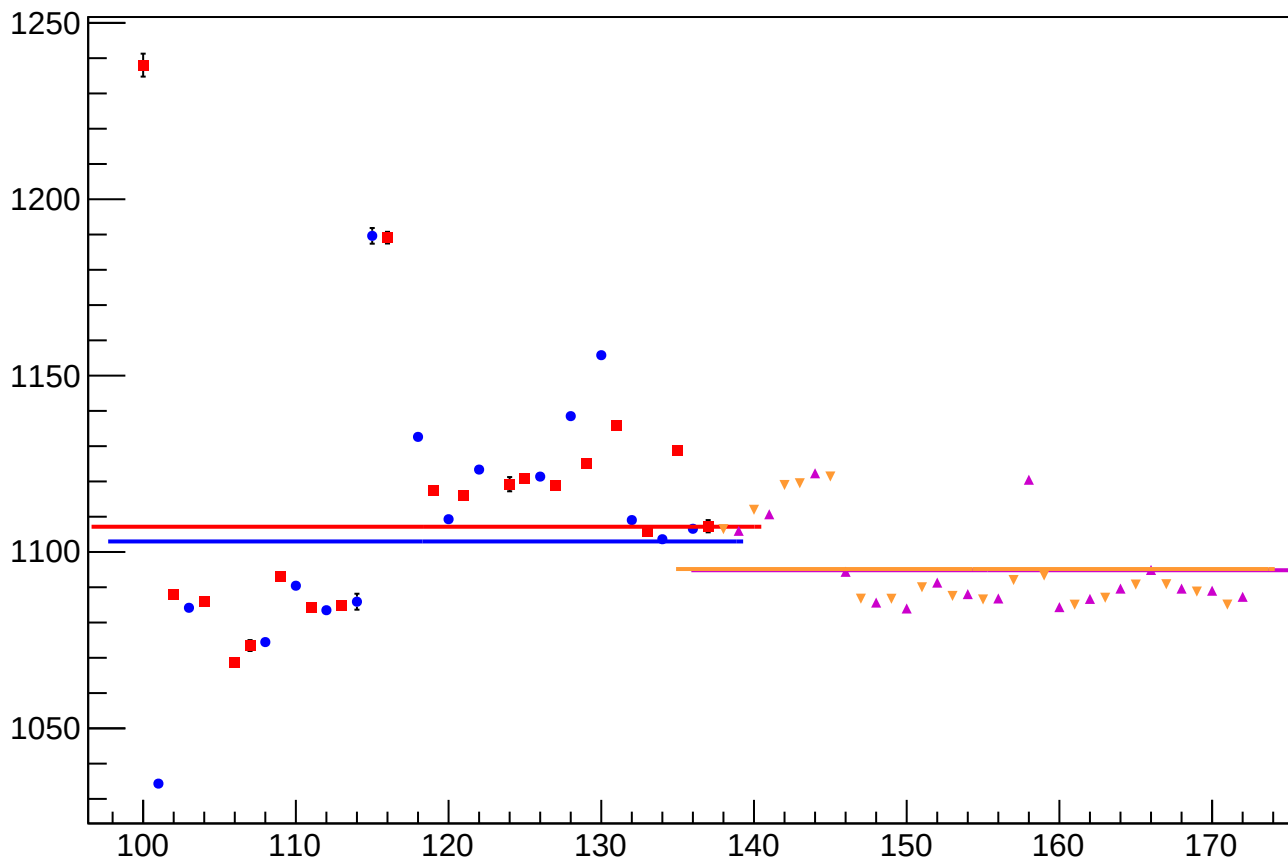
Left In: -2301.572 ± 292.255 $\chi^2/\text{NDF}: 23.6/16$

+ sign 2224.554 ± 236.746 $\chi^2/\text{NDF}: 23.9/33$

All: 0.224 ± 167.407 $\chi^2/\text{NDF}: 236.8/69$

- sign -2224.190 ± 236.751 $\chi^2/\text{NDF}: 36.4/35$

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

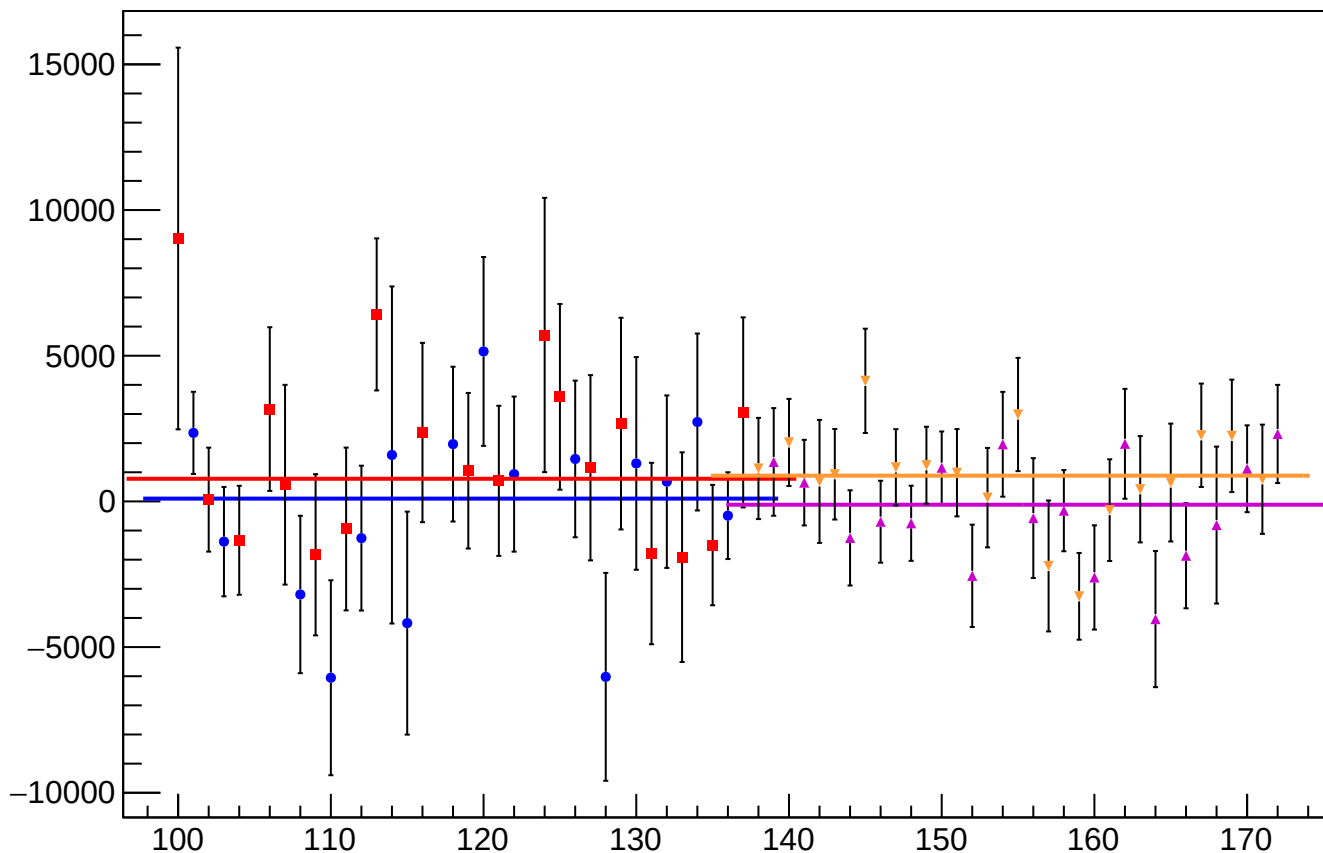
Left In: 1094.828 ± 0.207 χ^2/NDF : 3451.1/16

+ sign 1097.777 ± 0.167 χ^2/NDF : 17236.6/33

All: 1098.422 ± 0.118 χ^2/NDF : 30624.7/69

- sign 1099.067 ± 0.167 χ^2/NDF : 13358.4/35

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

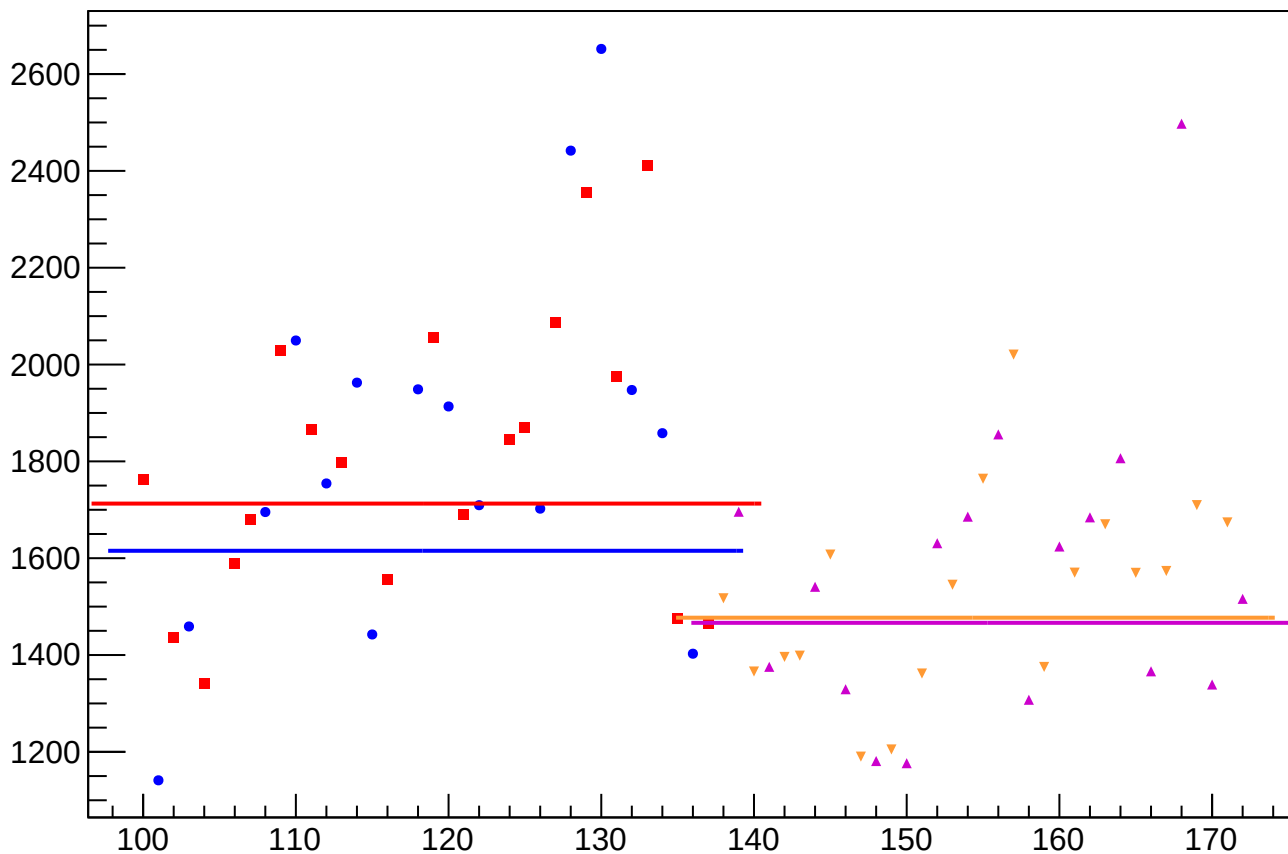
Left In: -113.835+/-398.595 χ^2/NDF : 15.9/16

+ sign 653.352+/-334.236 χ^2/NDF : 34.8/33

All: 397.905+/-237.622 χ^2/NDF : 68.4/69

- sign 136.841+/-337.890 χ^2/NDF : 32.4/35

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

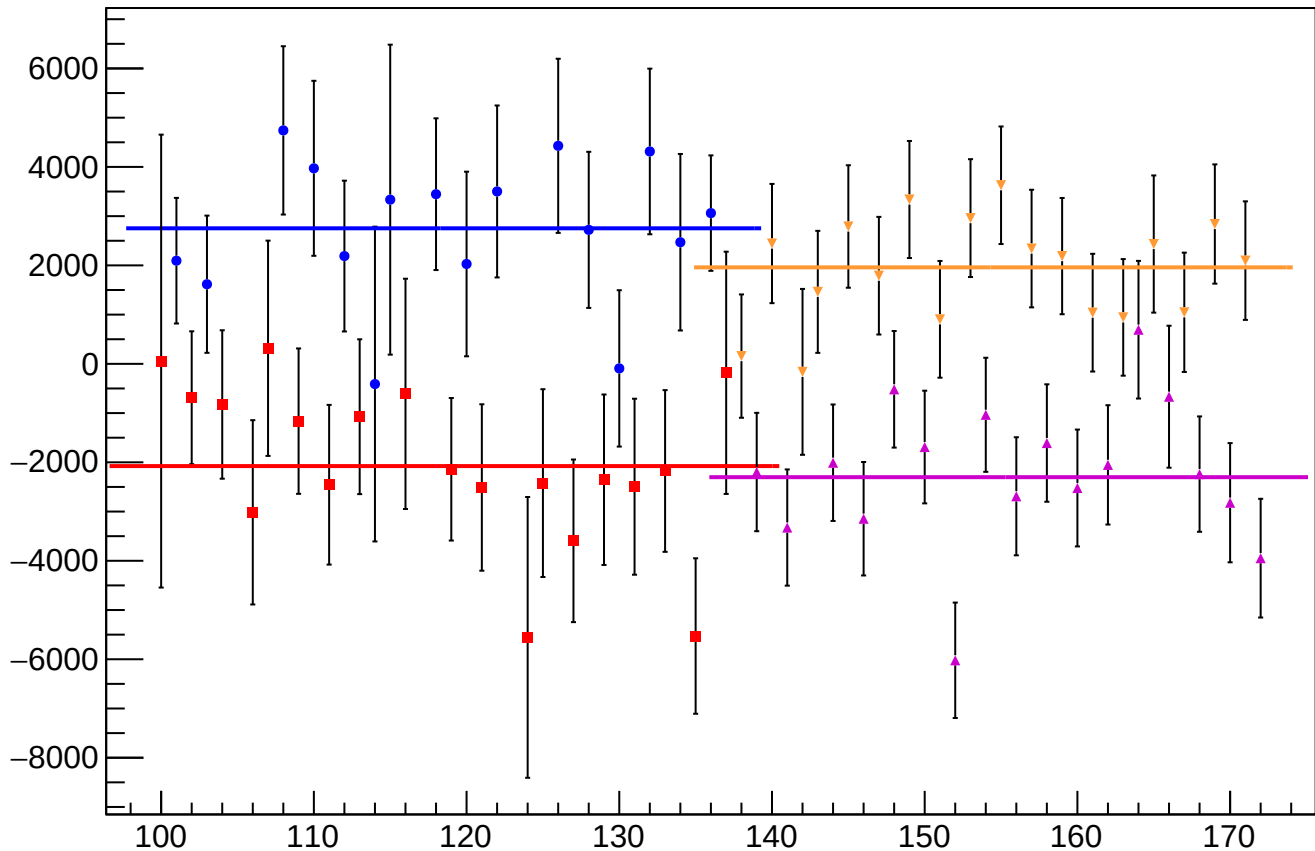
Left In: 1466.502 ± 0.282 χ^2/NDF : 813573.7/16

+ sign 1517.520 ± 0.236 χ^2/NDF : 1250437.5/33

All: 1526.565 ± 0.168 χ^2/NDF : 2709919.8/69

- sign 1535.809 ± 0.239 χ^2/NDF : 1456520.8/35

cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1959.845 $\pm$ 290.031 χ^2 /NDF:11.9/17

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

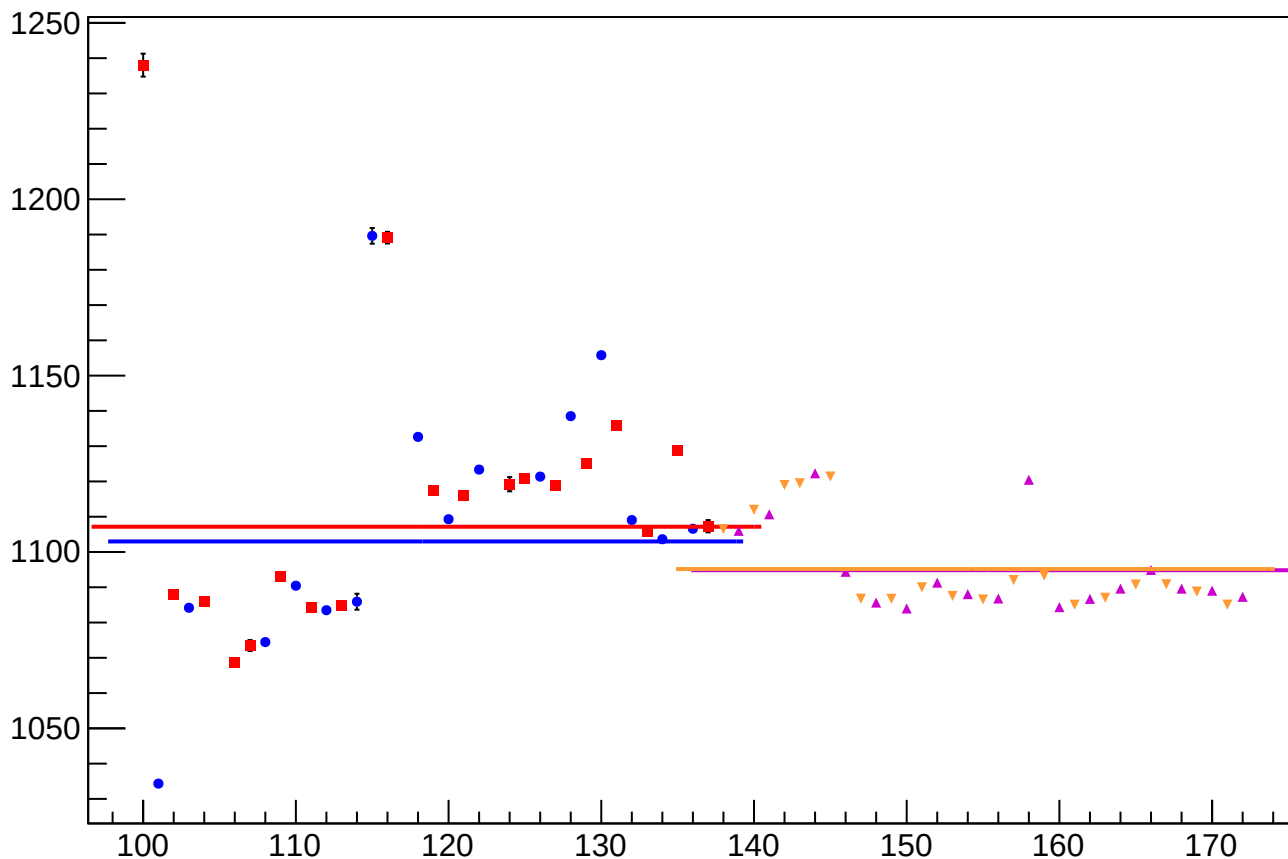
Left In: -2301.572 $\pm$ 292.255 χ^2 /NDF:23.6/16

+ sign 2224.554 $\pm$ 236.746 χ^2 /NDF: 23.9/33

All: 0.224 $\pm$ 167.407 χ^2 /NDF: 236.8/69

- sign -2224.190 $\pm$ 236.751 χ^2 /NDF: 36.4/35

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

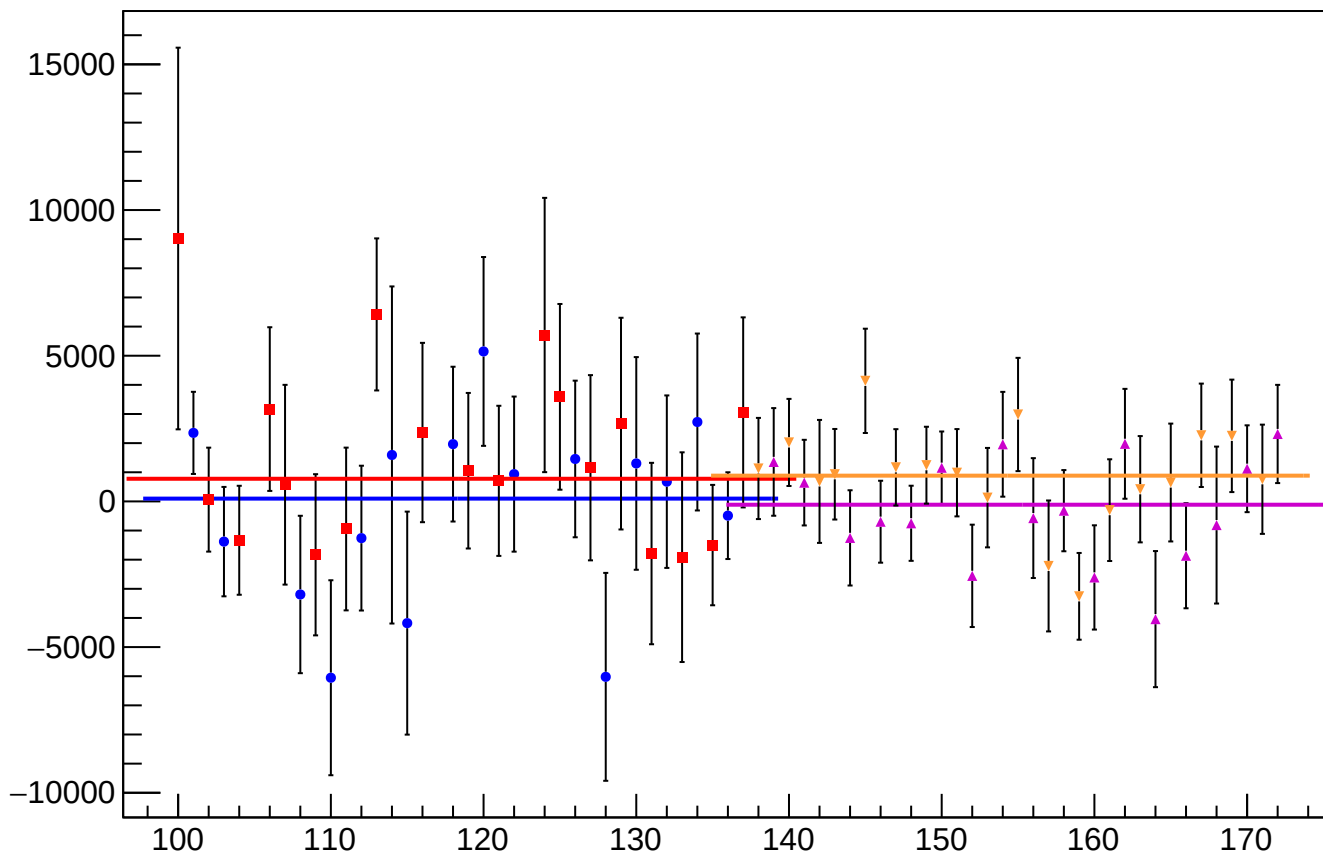
Left In: 1094.828 ± 0.207 χ^2/NDF : 3451.1/16

+ sign 1097.777 ± 0.167 χ^2/NDF : 17236.6/33

All: 1098.422 ± 0.118 χ^2/NDF : 30624.7/69

- sign 1099.067 ± 0.167 χ^2/NDF : 13358.4/35

asym_usr_cor_correction_mean vs Slug



Right In: 95.955 $\pm$ 618.095 χ^2 /NDF: 16.9/15

Left Out: 883.698 $\pm$ 397.341 χ^2 /NDF:16.7/17

Right Out: 776.996 $\pm$ 636.966 χ^2 /NDF: 15.1/18

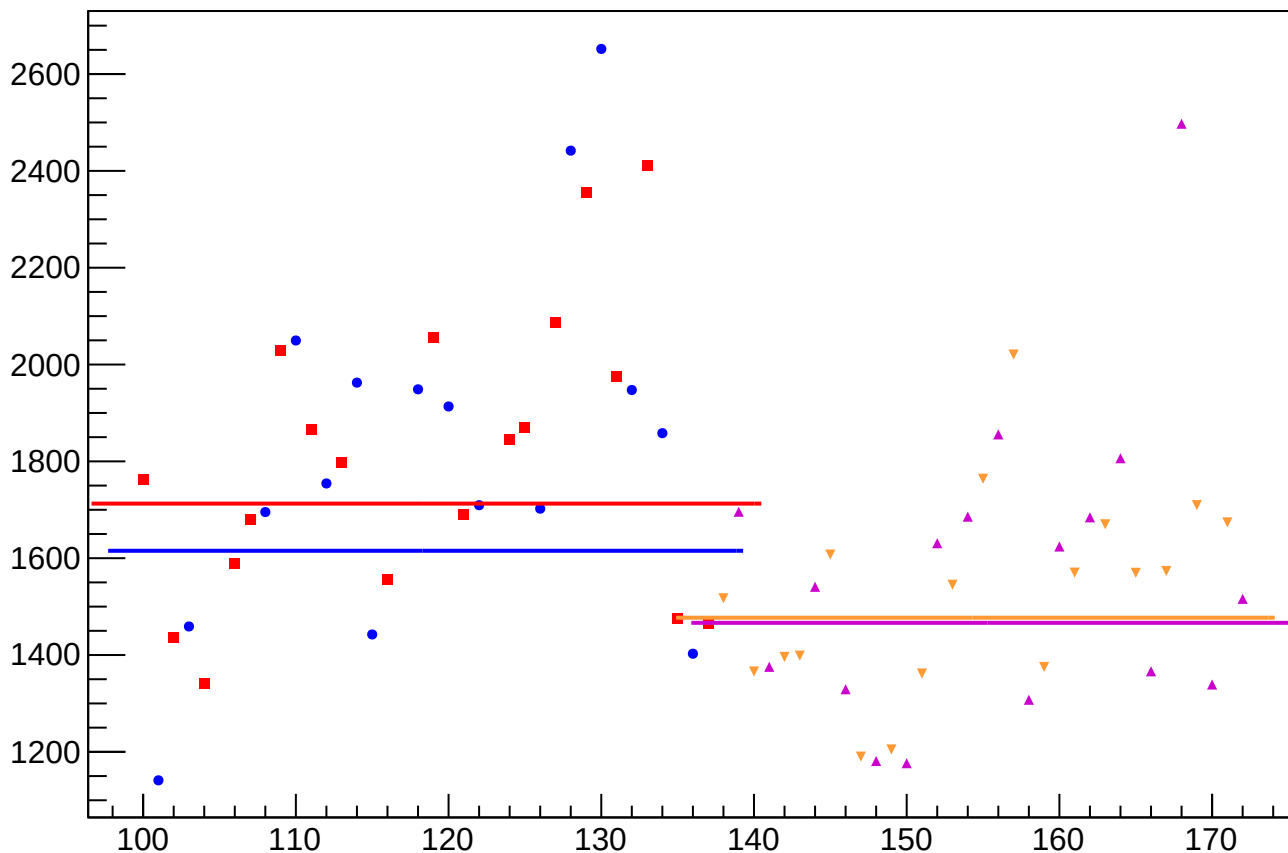
Left In: -113.835 $\pm$ 398.595 χ^2 /NDF:15.9/16

+ sign 653.352 $\pm$ 334.236 χ^2 /NDF: 34.8/33

All: 397.905 $\pm$ 237.622 χ^2 /NDF: 68.4/69

- sign 136.841 $\pm$ 337.890 χ^2 /NDF: 32.4/35

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

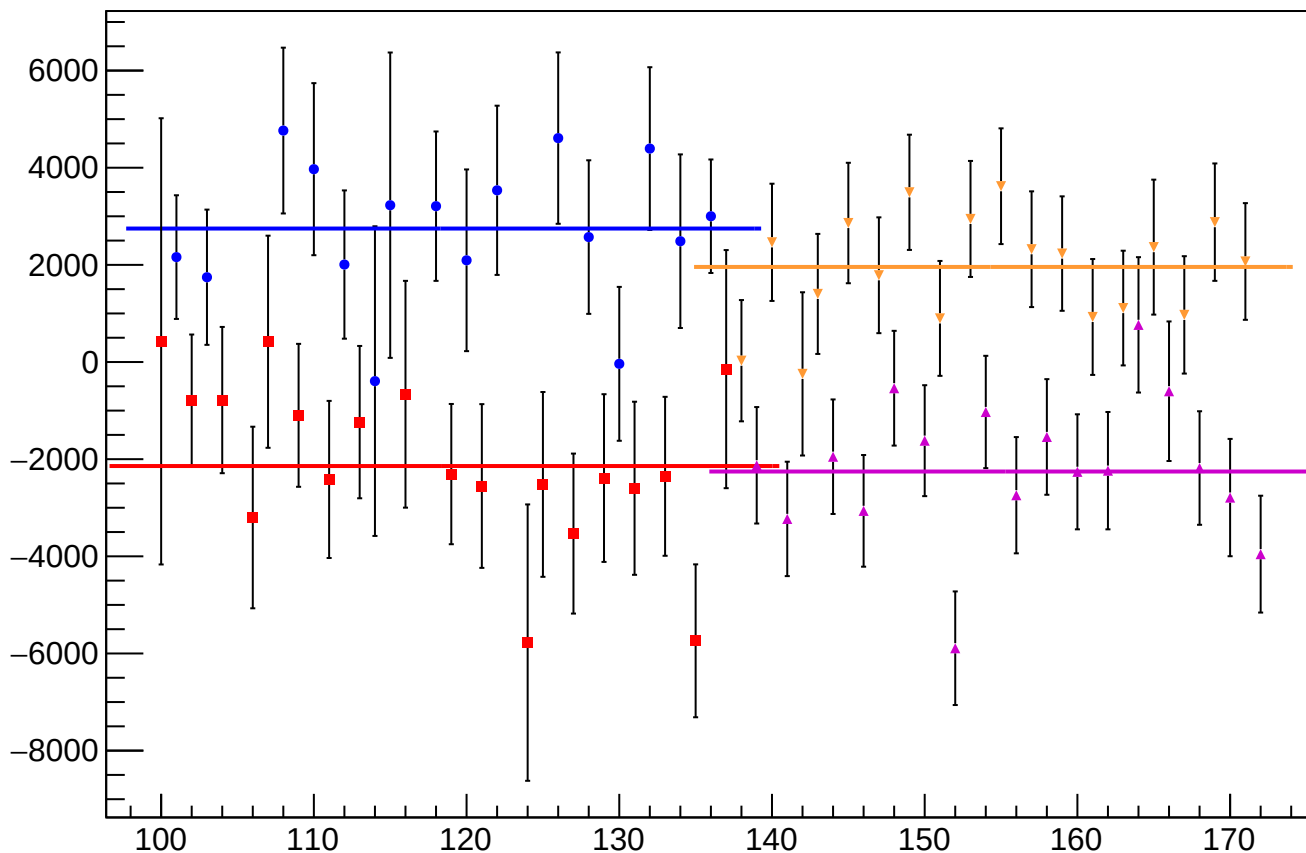
Left In: 1466.502 ± 0.282 χ^2/NDF : 813573.7/16

+ sign 1517.520 ± 0.236 χ^2/NDF : 1250437.5/33

All: 1526.565 ± 0.168 χ^2/NDF : 2709919.8/69

- sign 1535.809 ± 0.239 χ^2/NDF : 1456520.8/35

overload_cor_asym_usr_mean vs Slug



Right In: 2747.939 $\pm$ 408.759 χ^2 /NDF: 9.5/15

Left Out: 1957.558 $\pm$ 289.283 χ^2 /NDF:12.9/17

Right Out: -2141.169 $\pm$ 402.789 χ^2 /NDF: 13.6/18

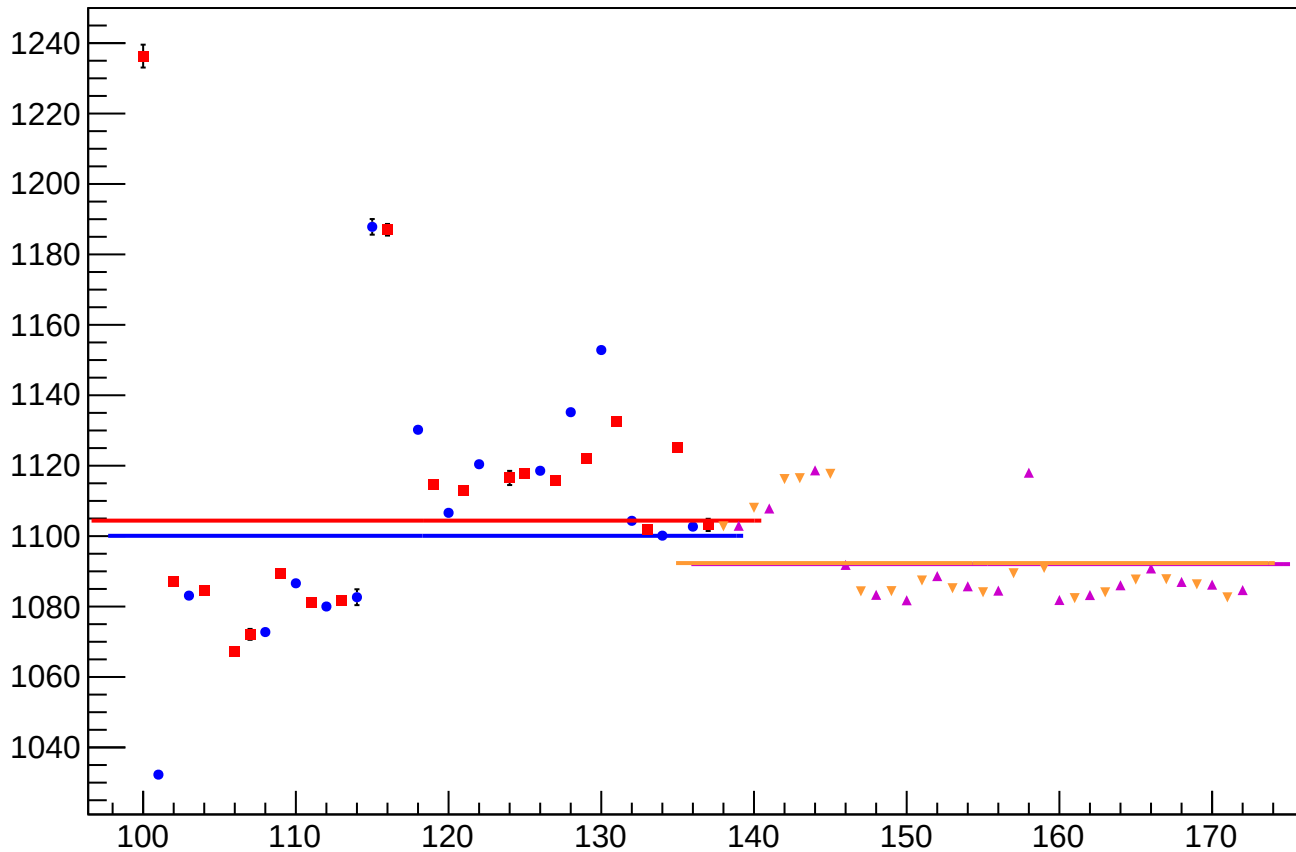
Left In: -2254.085 $\pm$ 291.513 χ^2 /NDF:23.2/16

+ sign 2221.318 $\pm$ 236.132 χ^2 /NDF: 24.9/33

All: 3.230 $\pm$ 166.978 χ^2 /NDF: 238.2/69

- sign -2215.271 $\pm$ 236.153 χ^2 /NDF: 36.8/35

overload_cor_asym_usr_rms vs Slug



Right In: 1100.090 $\pm$ 0.289 χ^2 /NDF: 13077.1/15

Left Out: 1092.346 $\pm$ 0.205 χ^2 /NDF: 3348.0/17

Right Out: 1104.403 $\pm$ 0.285 χ^2 /NDF: 8543.5/18

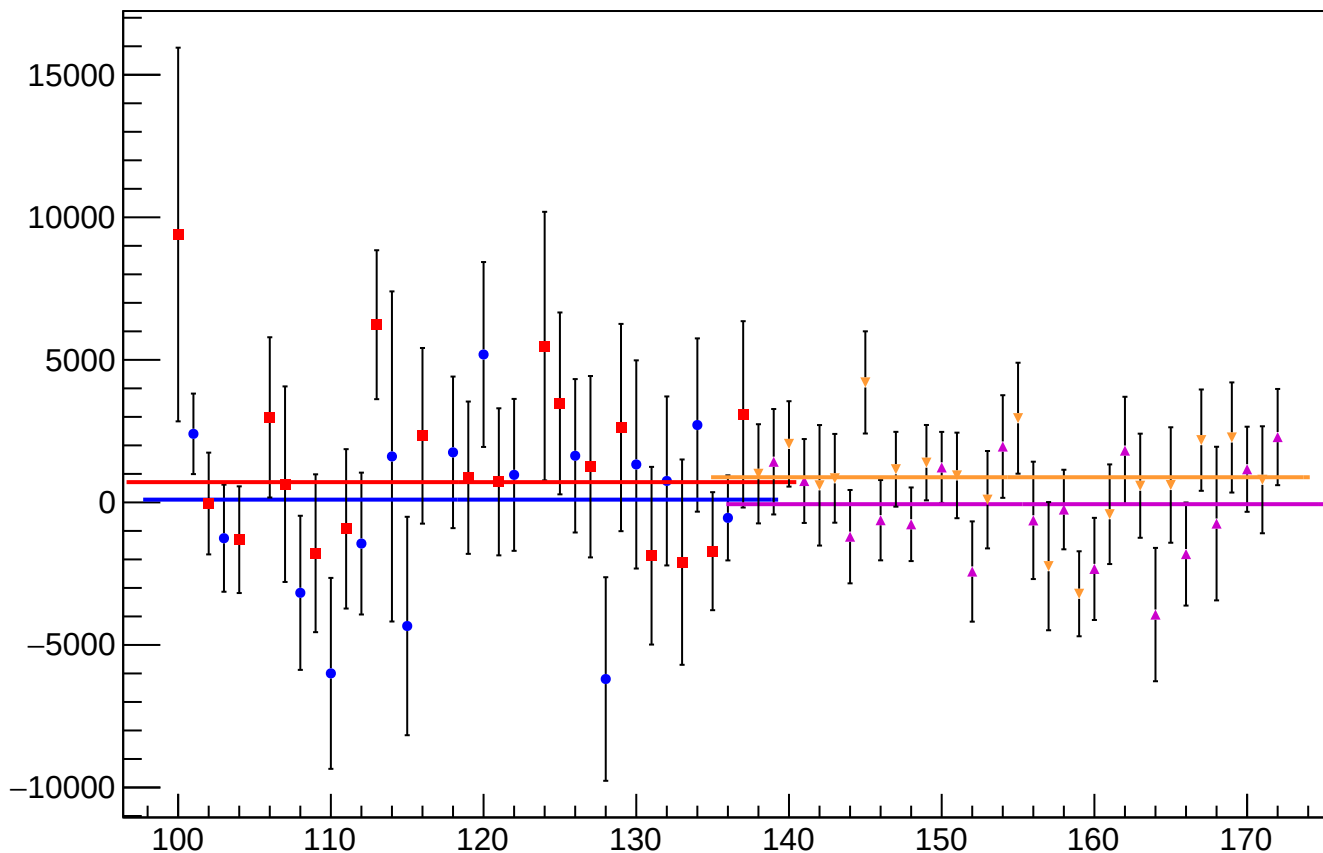
Left In: 1092.051 $\pm$ 0.206 χ^2 /NDF: 3374.2/16

+ sign 1094.931 $\pm$ 0.167 χ^2 /NDF: 16903.4/33

All: 1095.614 $\pm$ 0.118 χ^2 /NDF: 30088.9/69

- sign 1096.297 $\pm$ 0.167 χ^2 /NDF: 13152.0/35

asym_usr_overload_cor_correction_mean vs Slug



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

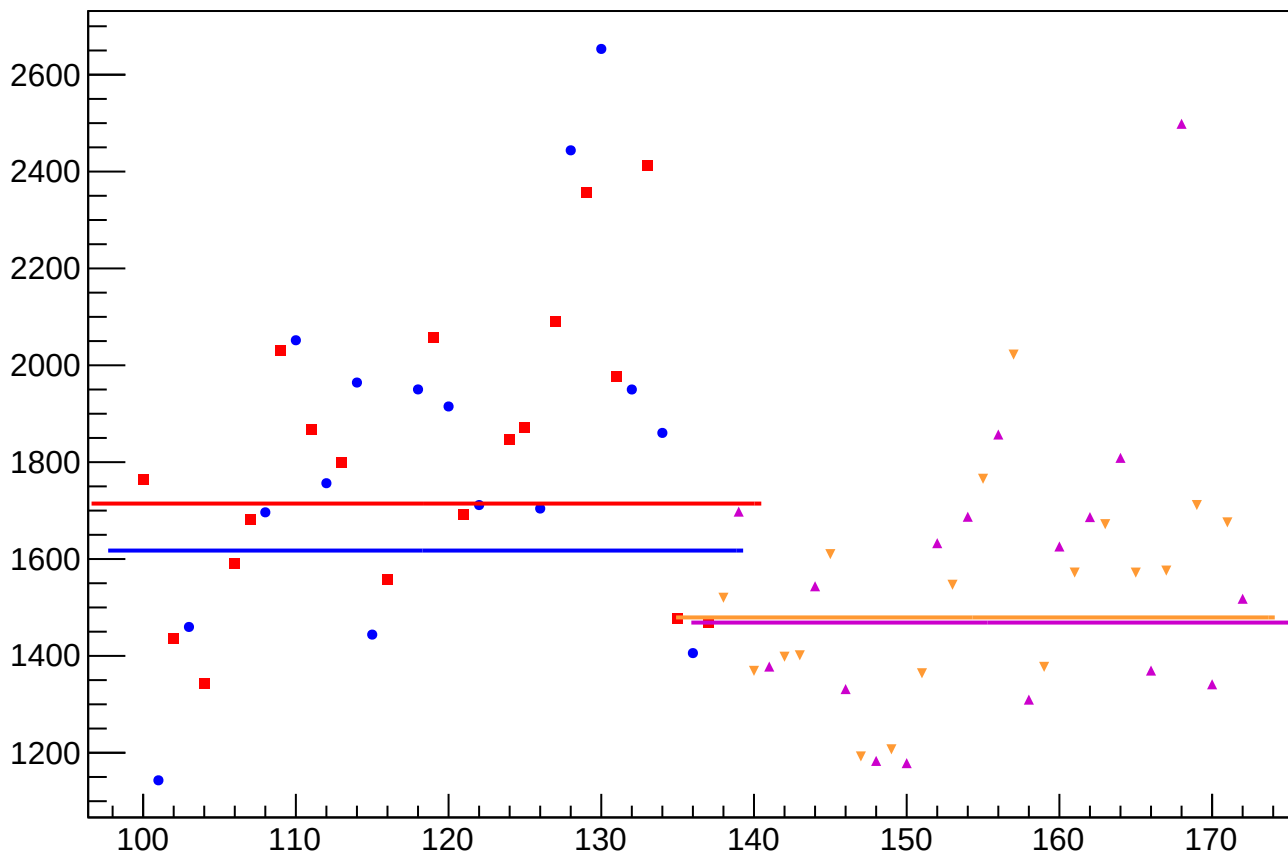
Left In: -62.187+/-399.188 χ^2/NDF : 15.1/16

+ sign 653.265+/-334.715 χ^2/NDF : 35.1/33

All: 407.129+/-237.952 χ^2/NDF : 67.3/69

- sign 155.627+/-338.345 χ^2/NDF : 31.1/35

asym_usr_overload_cor_correction_rms vs Slug



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

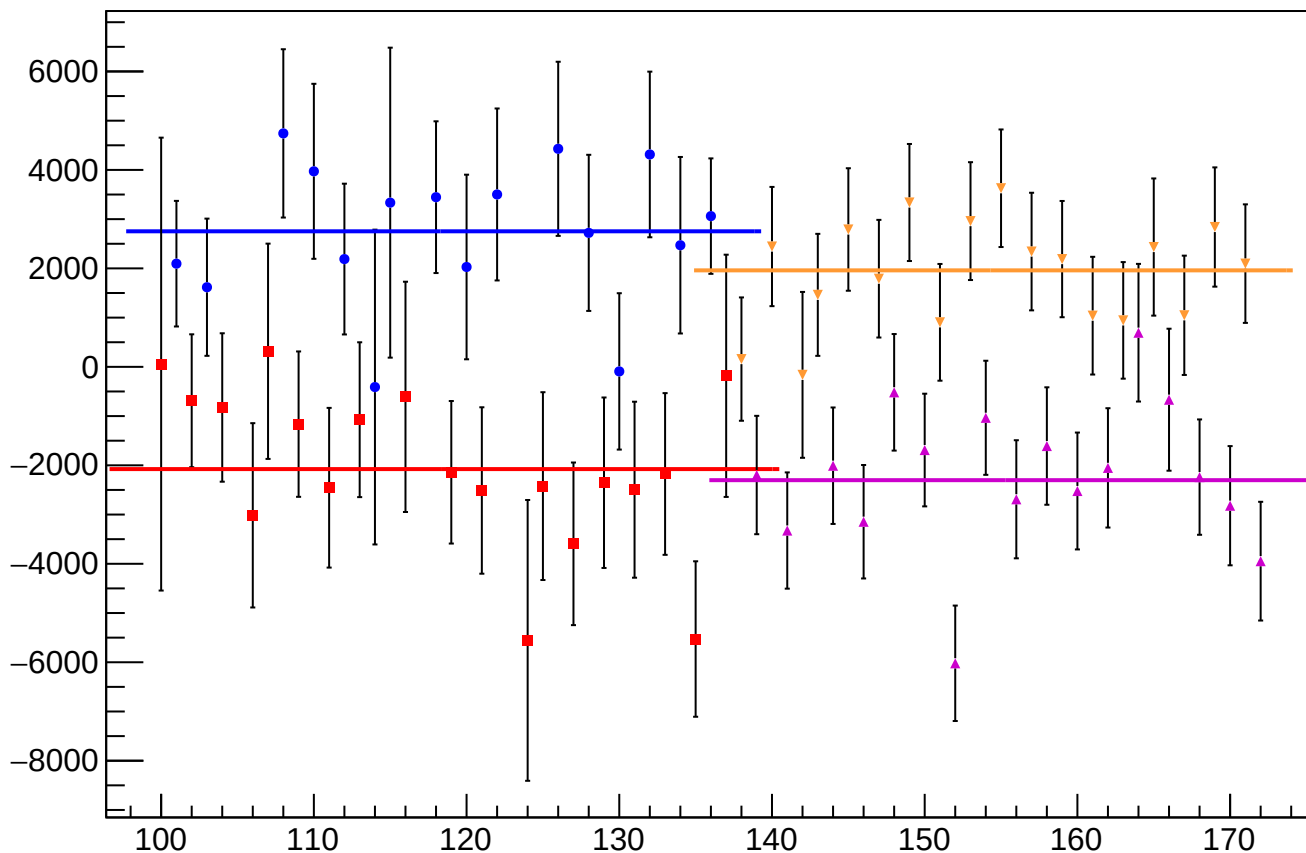
Left In: 1468.787+/-0.282 χ^2/NDF : 810659.4/16

+ sign 1519.812+/-0.237 χ^2/NDF : 1246029.8/33

All: 1528.800+/-0.168 χ^2/NDF : 2700715.3/69

- sign 1537.983+/-0.239 χ^2/NDF : 1451770.0/35

eigen_cor_asym_usr_mean vs Slug



Right In: 2753.123 $\pm$ 409.837 χ^2 /NDF: 9.5/15

Left Out: 1959.845 $\pm$ 290.031 χ^2 /NDF:11.9/17

Right Out: -2076.471 $\pm$ 403.796 χ^2 /NDF: 12.5/18

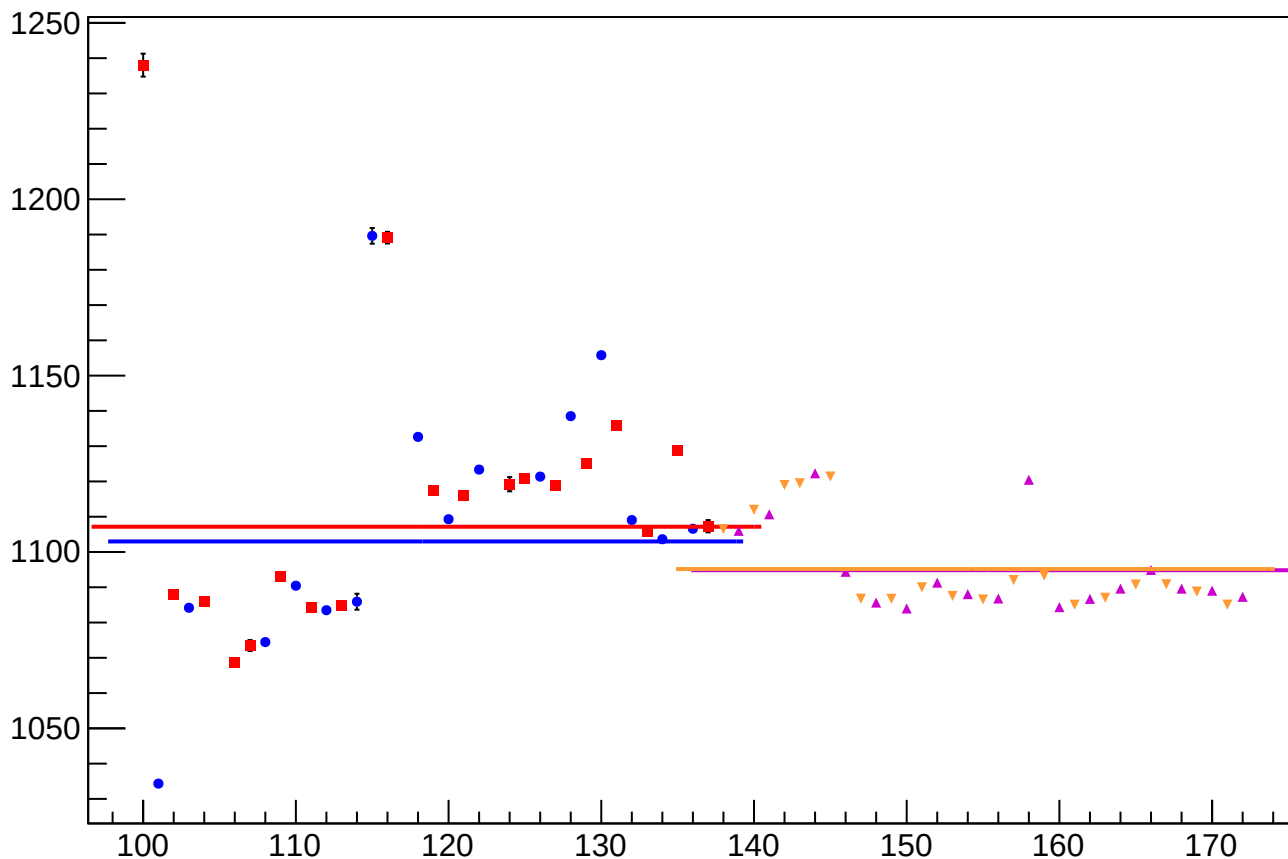
Left In: -2301.572 $\pm$ 292.255 χ^2 /NDF:23.6/16

+ sign 2224.554 $\pm$ 236.746 χ^2 /NDF: 23.9/33

All: 0.224 $\pm$ 167.407 χ^2 /NDF: 236.8/69

- sign -2224.190 $\pm$ 236.751 χ^2 /NDF: 36.4/35

eigen_cor_asym_usr_rms vs Slug



Right In: 1102.988 $\pm$ 0.290 χ^2 /NDF: 13223.8/15

Left Out: 1095.167 $\pm$ 0.205 χ^2 /NDF: 3527.6/17

Right Out: 1107.159 $\pm$ 0.286 χ^2 /NDF: 8683.4/18

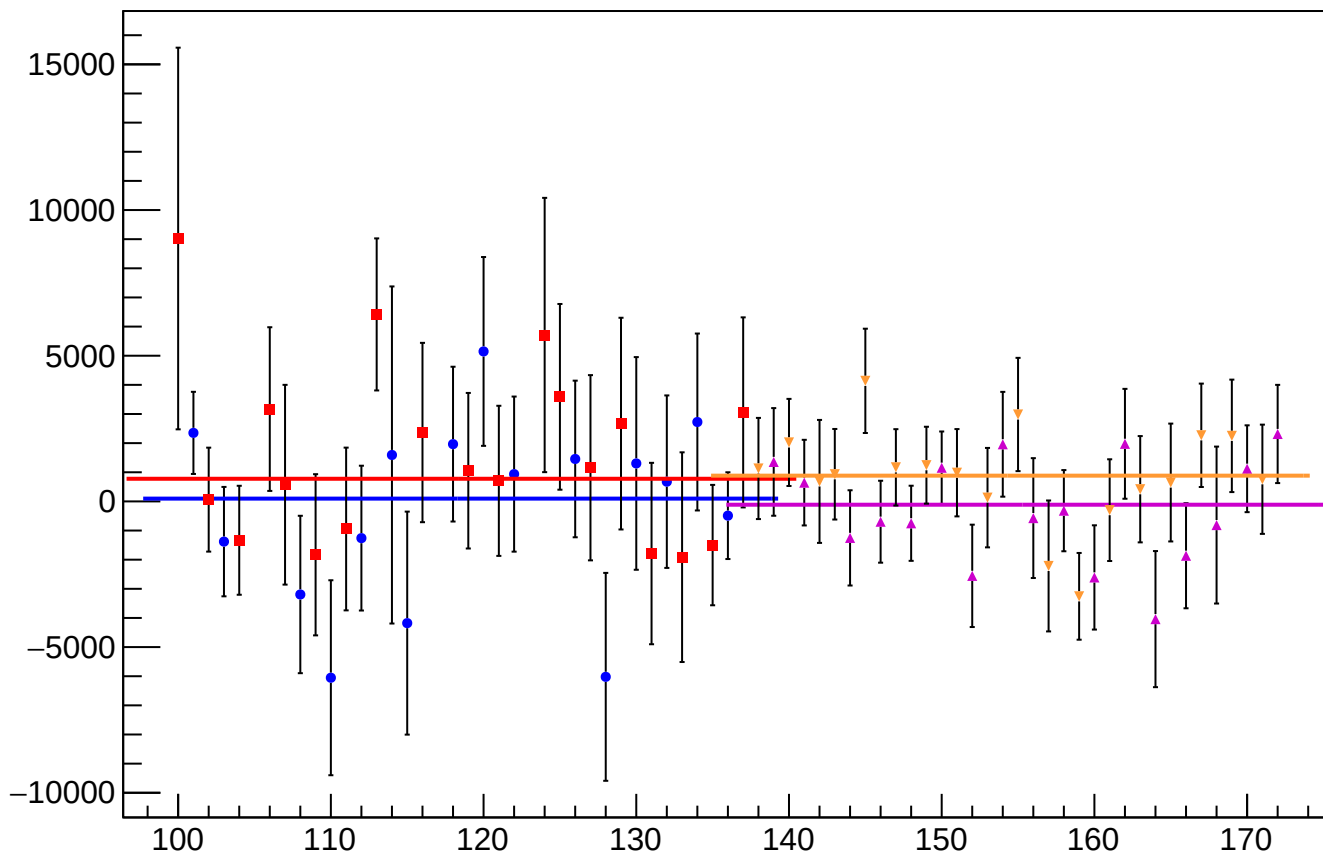
Left In: 1094.828 $\pm$ 0.207 χ^2 /NDF: 3451.1/16

+ sign 1097.777 $\pm$ 0.167 χ^2 /NDF: 17236.6/33

All: 1098.422 $\pm$ 0.118 χ^2 /NDF: 30624.7/69

- sign 1099.067 $\pm$ 0.167 χ^2 /NDF: 13358.4/35

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

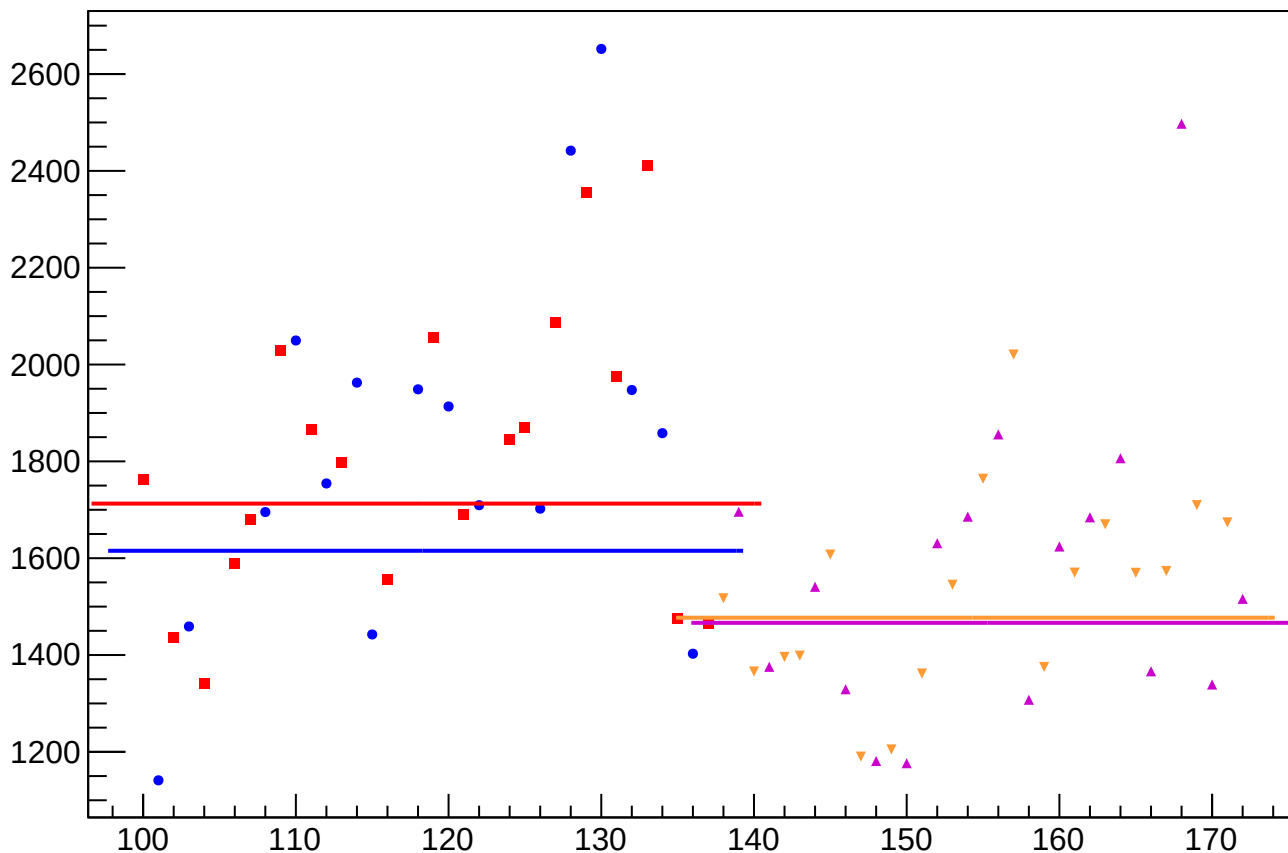
Left In: -113.835+/-398.595 χ^2/NDF : 15.9/16

+ sign 653.352+/-334.236 χ^2/NDF : 34.8/33

All: 397.905+/-237.622 χ^2/NDF : 68.4/69

- sign 136.841+/-337.890 χ^2/NDF : 32.4/35

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1615.316 $\pm$ 0.437 χ^2 /NDF: 693630.0/15

Left Out: 1477.106 $\pm$ 0.281 χ^2 /NDF: 486049.7/17

Right Out: 1712.798 $\pm$ 0.450 χ^2 /NDF: 428065.0/18

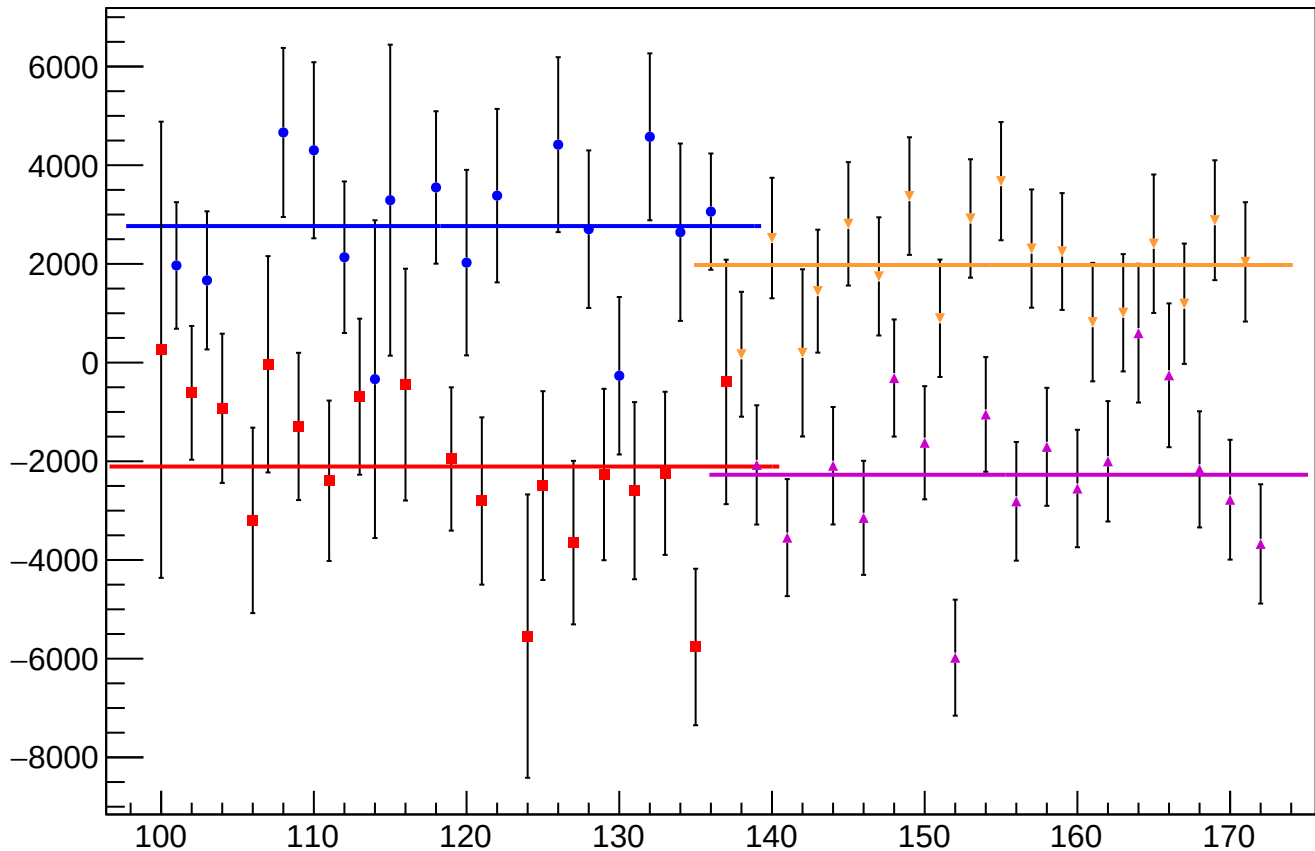
Left In: 1466.502 $\pm$ 0.282 χ^2 /NDF: 813573.7/16

+ sign 1517.520 $\pm$ 0.236 χ^2 /NDF: 1250437.5/33

All: 1526.565 $\pm$ 0.168 χ^2 /NDF: 2709919.8/69

- sign 1535.809 $\pm$ 0.239 χ^2 /NDF: 1456520.8/35

dit_asym_usr_mean vs Slug



Right In: 2766.657 $\pm$ 411.563 χ^2 /NDF: 10.3/15

Left Out: 1977.346 $\pm$ 291.322 χ^2 /NDF: 11.6/17

Right Out: -2106.358 $\pm$ 405.586 χ^2 /NDF: 13.4/18

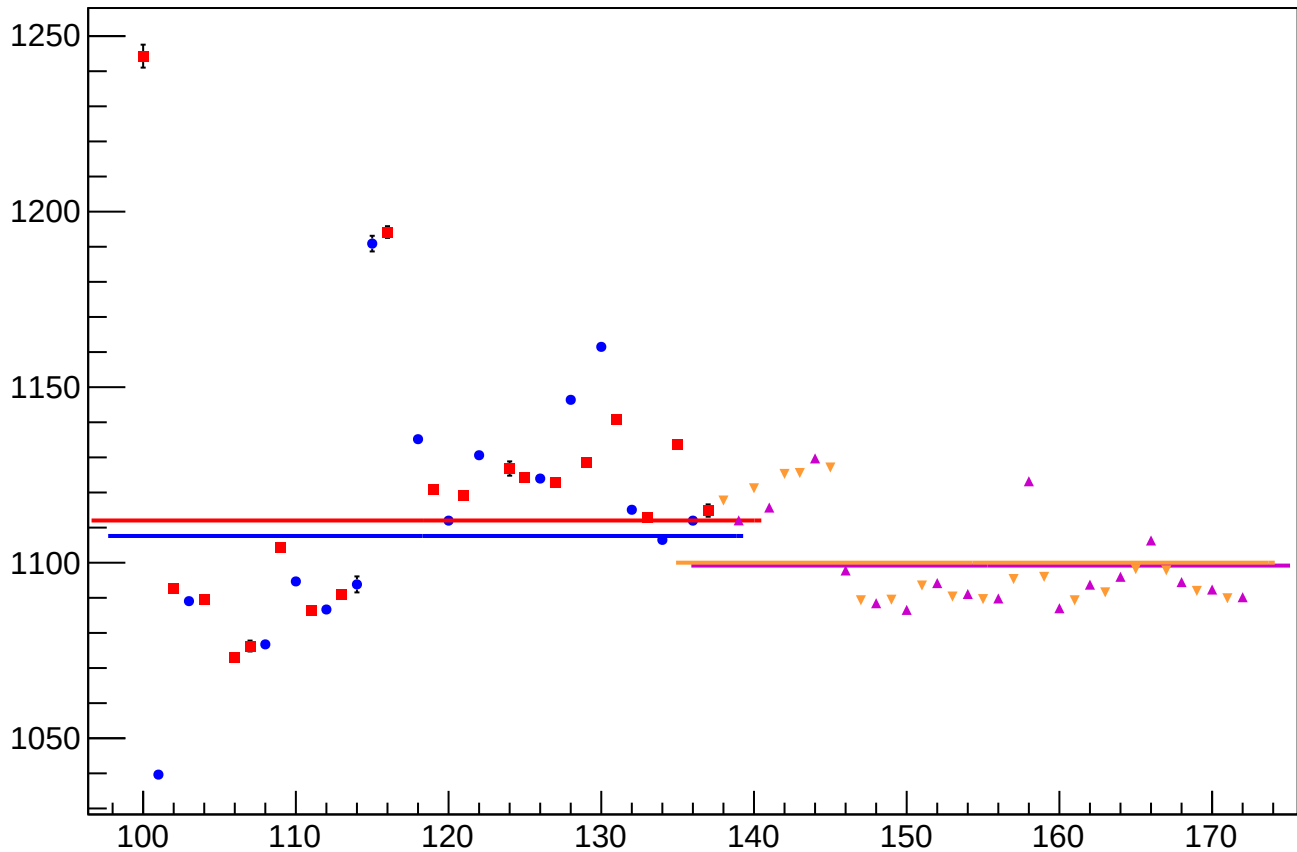
Left In: -2272.878 $\pm$ 293.422 χ^2 /NDF: 24.0/16

+ sign 2240.815 $\pm$ 237.781 χ^2 /NDF: 24.4/33

All: 12.117 $\pm$ 168.119 χ^2 /NDF: 237.5/69

- sign -2215.667 $\pm$ 237.732 χ^2 /NDF: 37.5/35

dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.8/15

Left Out: 1100.014 $\pm$ 0.206 χ^2 /NDF: 4427.7/17

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

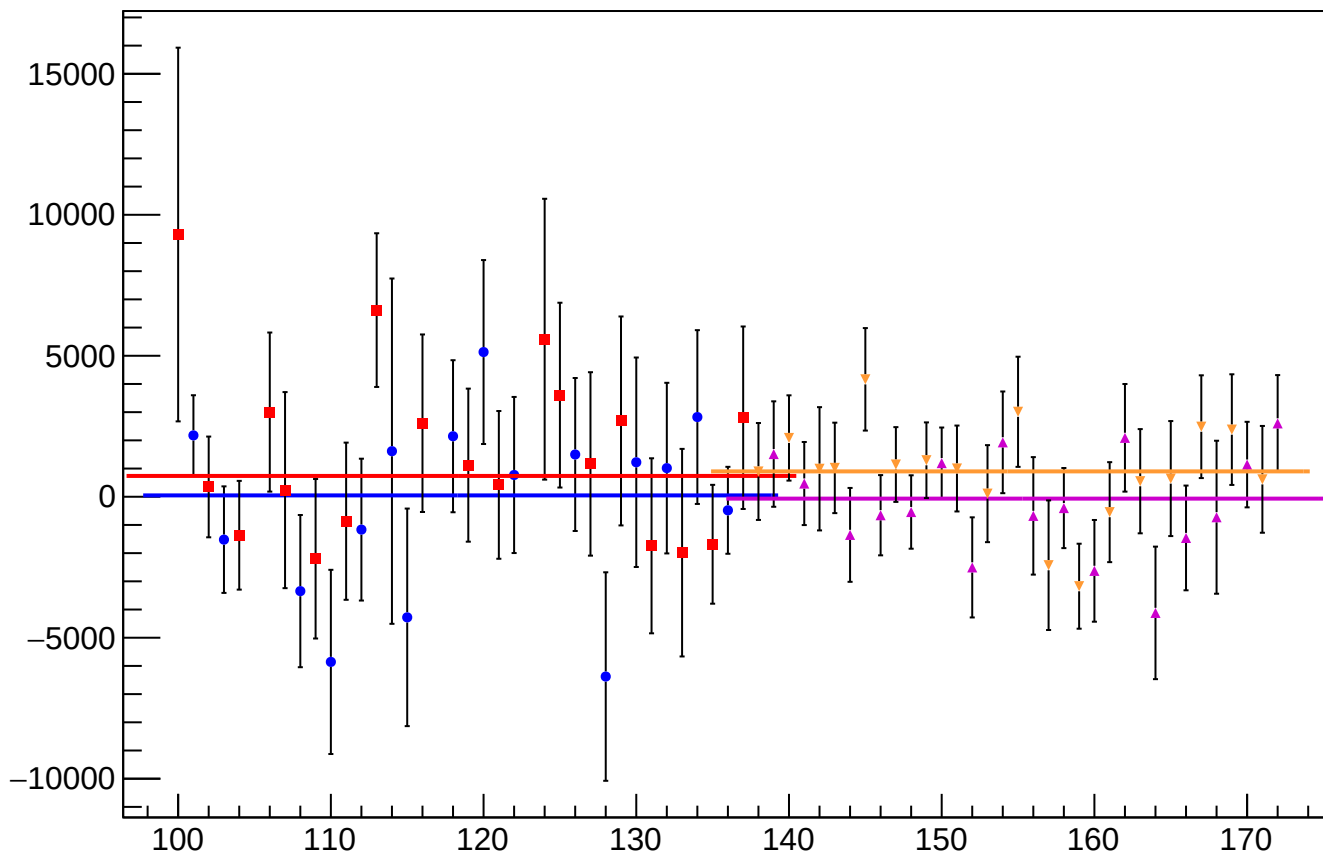
Left In: 1099.179 $\pm$ 0.207 χ^2 /NDF: 3913.4/16

+ sign 1102.550 $\pm$ 0.168 χ^2 /NDF: 18102.8/33

All: 1103.072 $\pm$ 0.119 χ^2 /NDF: 32006.8/69

- sign 1103.594 $\pm$ 0.168 χ^2 /NDF: 13884.7/35

asym_usr_dit_correction_mean vs Slug



Right In: 47.817 ± 628.060 $\chi^2/\text{NDF}: 16.9/15$

Left Out: 899.396 ± 403.190 $\chi^2/\text{NDF}: 16.8/17$

Right Out: 738.185 ± 647.795 $\chi^2/\text{NDF}: 14.9/18$

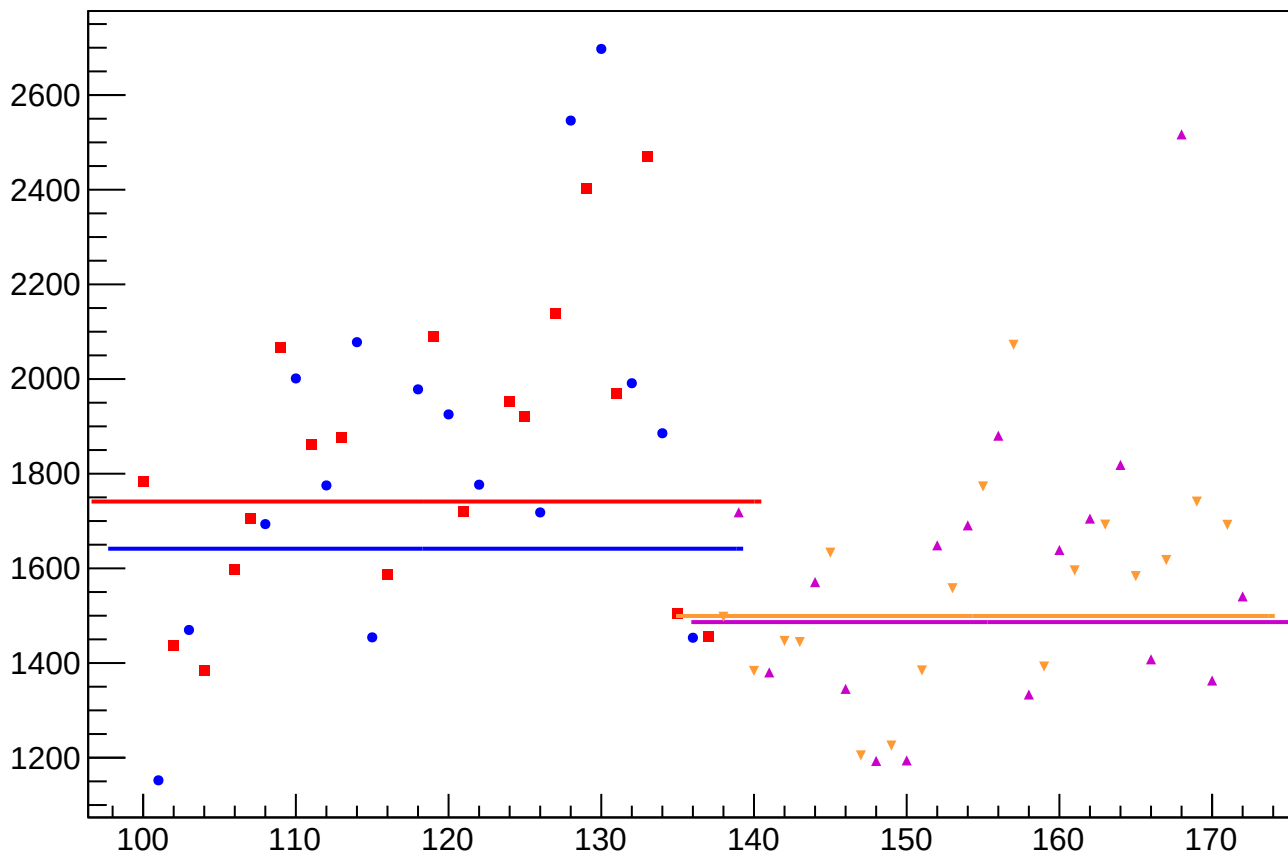
Left In: -66.533 ± 403.776 $\chi^2/\text{NDF}: 15.9/16$

+ sign 650.870 ± 339.293 $\chi^2/\text{NDF}: 35.0/33$

All: 407.182 ± 241.099 $\chi^2/\text{NDF}: 68.0/69$

- sign 158.631 ± 342.662 $\chi^2/\text{NDF}: 32.0/35$

asym_usr_dit_correction_rms vs Slug



Right In: 1641.538 $\pm$ 0.444 χ^2 /NDF: 701311.4/15

Left Out: 1499.416 $\pm$ 0.285 χ^2 /NDF: 485953.8/17

Right Out: 1741.200 $\pm$ 0.458 χ^2 /NDF: 438336.6/18

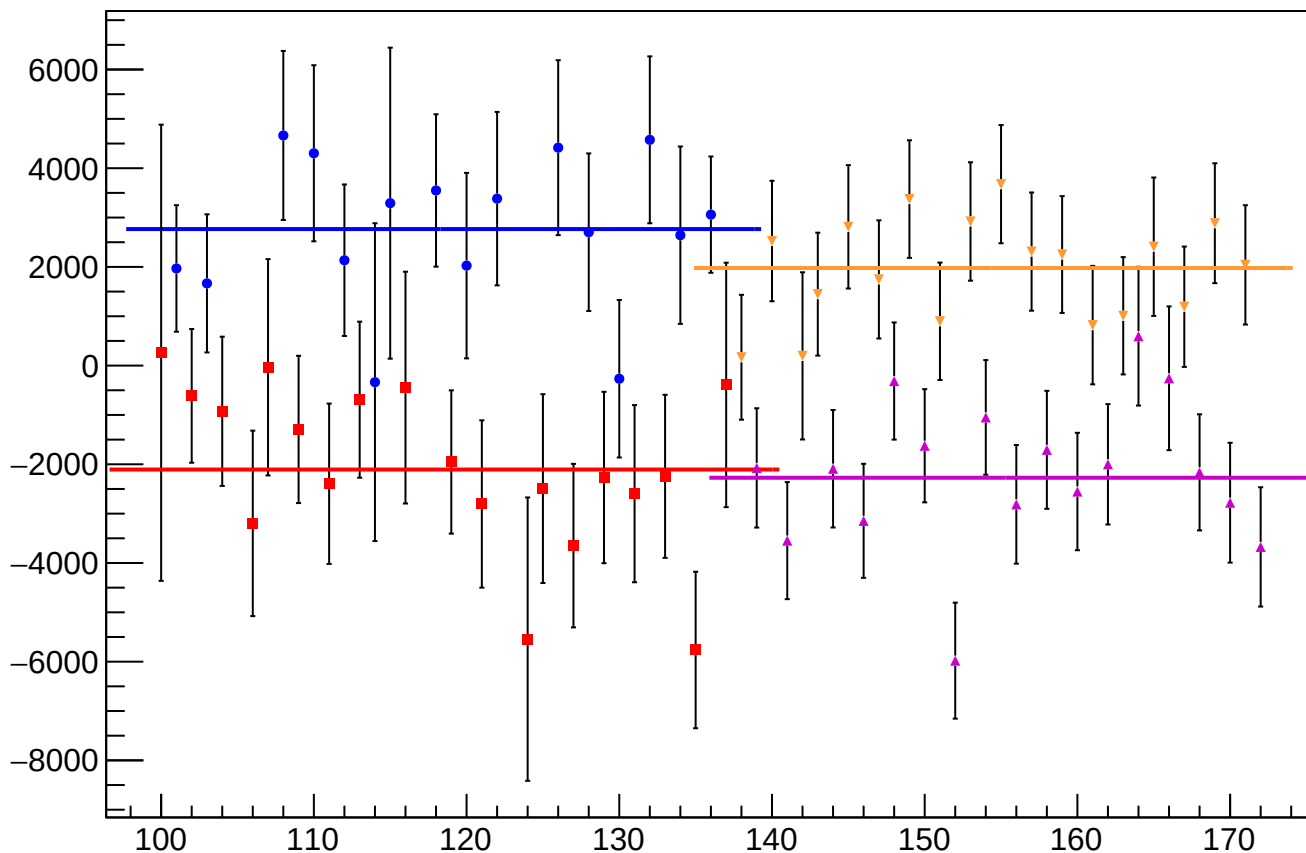
Left In: 1486.495 $\pm$ 0.286 χ^2 /NDF: 799501.3/16

+ sign 1540.893 $\pm$ 0.240 χ^2 /NDF: 1259789.1/33

All: 1549.244 $\pm$ 0.170 χ^2 /NDF: 2722754.3/69

- sign 1557.763 $\pm$ 0.242 χ^2 /NDF: 1460517.5/35

eigen_dit_asym_usr_mean vs Slug



Right In: 2766.656 ± 411.563 $\chi^2/\text{NDF}: 10.3/15$

Left Out: 1977.344 ± 291.322 $\chi^2/\text{NDF}: 11.6/17$

Right Out: -2106.360 ± 405.586 $\chi^2/\text{NDF}: 13.4/18$

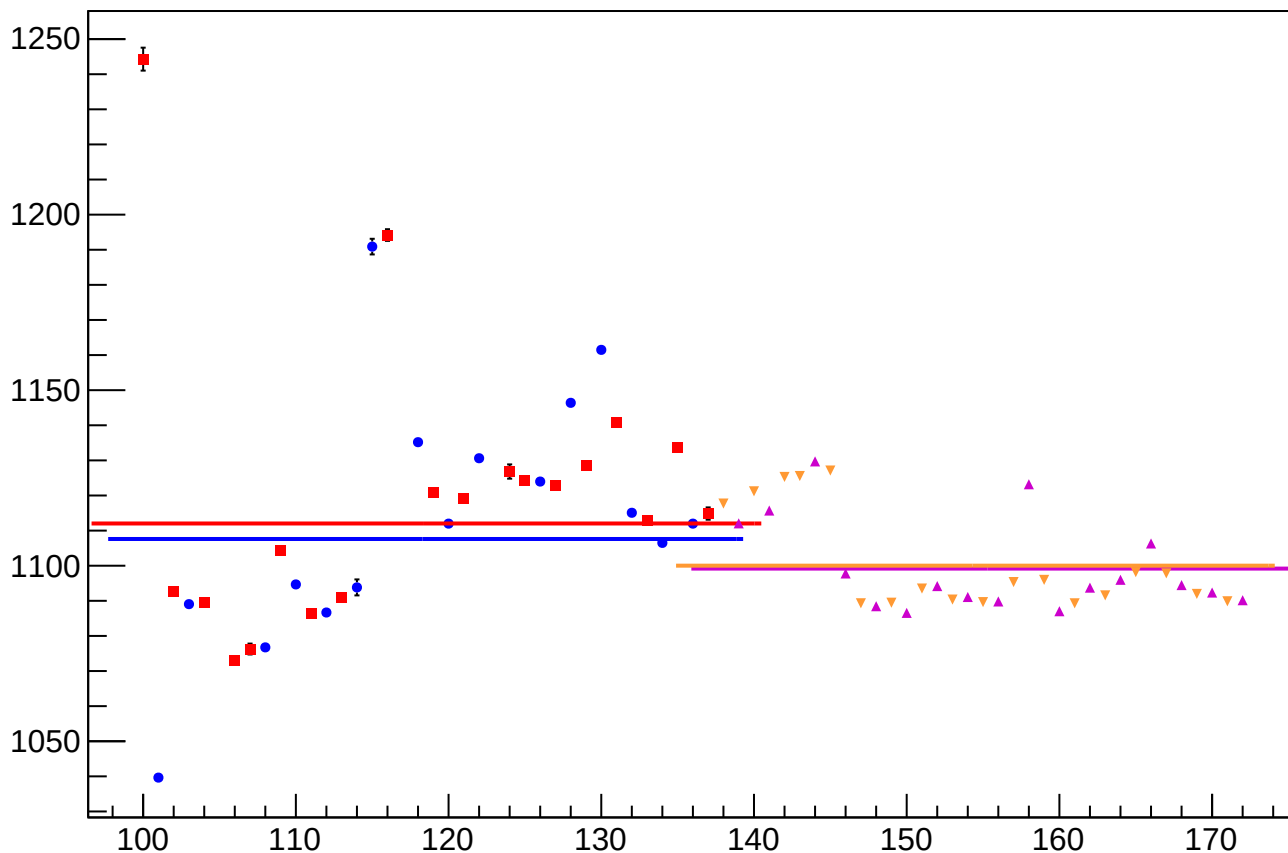
Left In: -2272.878 ± 293.422 $\chi^2/\text{NDF}: 24.0/16$

+ sign 2240.813 ± 237.781 $\chi^2/\text{NDF}: 24.4/33$

All: 12.116 ± 168.119 $\chi^2/\text{NDF}: 237.5/69$

- sign -2215.668 ± 237.732 $\chi^2/\text{NDF}: 37.5/35$

eigen_dit_asym_usr_rms vs Slug



Right In: 1107.613 $\pm$ 0.291 χ^2 /NDF: 13220.7/15

Left Out: 1100.014 $\pm$ 0.206 χ^2 /NDF: 4427.7/17

Right Out: 1112.029 $\pm$ 0.287 χ^2 /NDF: 8653.5/18

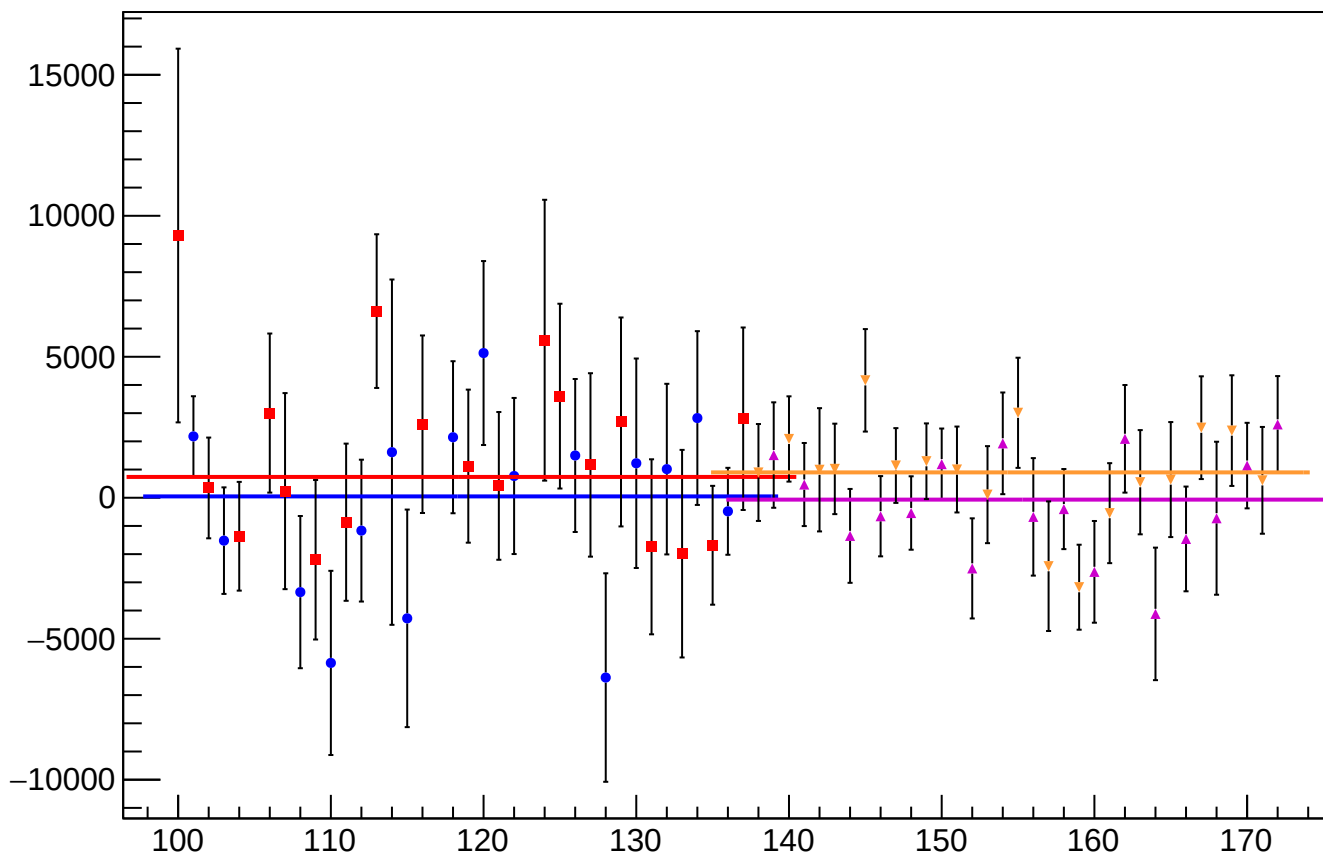
Left In: 1099.179 $\pm$ 0.207 χ^2 /NDF: 3913.4/16

+ sign 1102.550 $\pm$ 0.168 χ^2 /NDF: 18102.7/33

All: 1103.072 $\pm$ 0.119 χ^2 /NDF: 32006.6/69

- sign 1103.594 $\pm$ 0.168 χ^2 /NDF: 13884.6/35

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 47.813 ± 628.059 $\chi^2/\text{NDF}: 16.9/15$

Left Out: 899.395 ± 403.191 $\chi^2/\text{NDF}: 16.8/17$

Right Out: 738.188 ± 647.795 $\chi^2/\text{NDF}: 14.9/18$

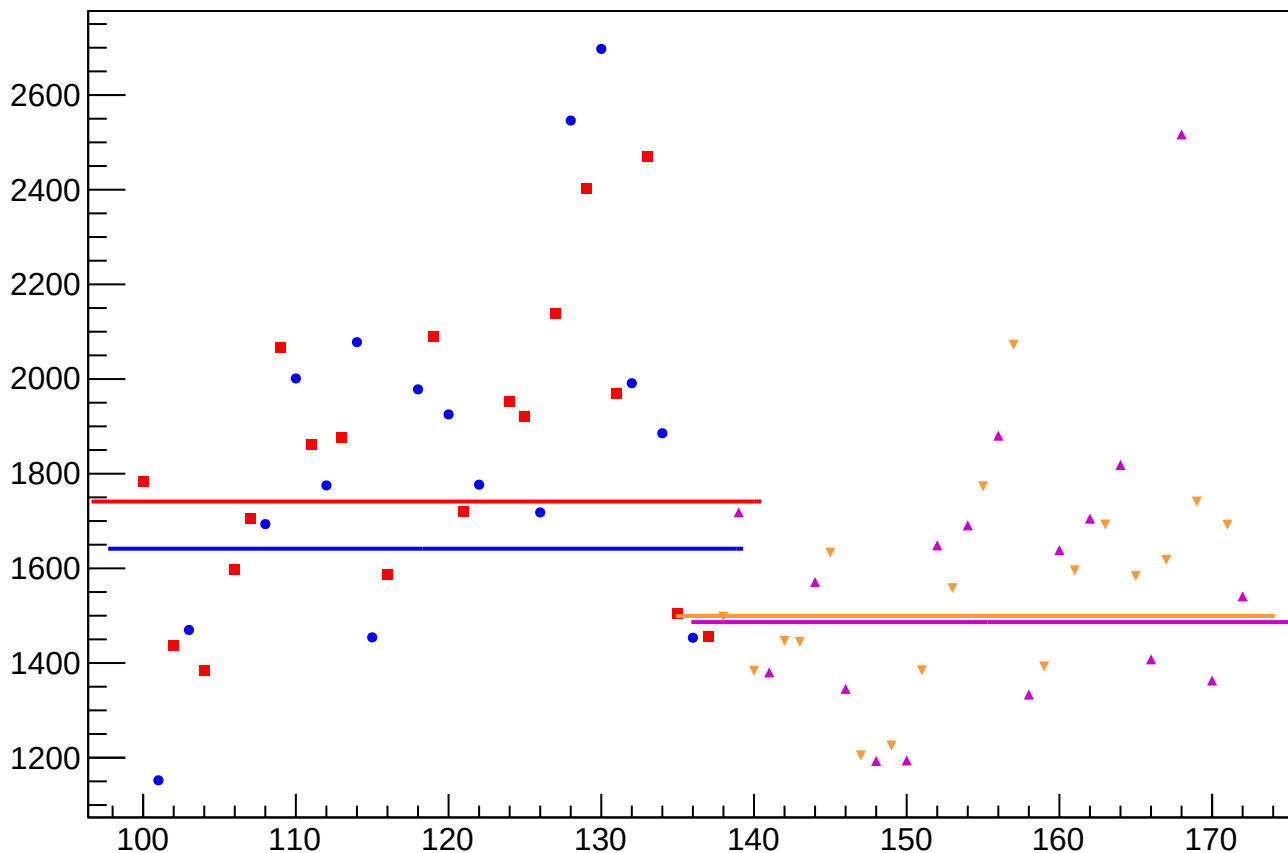
Left In: -66.534 ± 403.777 $\chi^2/\text{NDF}: 15.9/16$

+ sign 650.867 ± 339.294 $\chi^2/\text{NDF}: 35.0/33$

All: 407.181 ± 241.099 $\chi^2/\text{NDF}: 68.0/69$

- sign 158.633 ± 342.662 $\chi^2/\text{NDF}: 32.0/35$

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1641.536 $\pm$ 0.444 χ^2/NDF : 701299.1/15

Left Out: 1499.419 $\pm$ 0.285 χ^2/NDF : 485958.5/17

Right Out: 1741.199 $\pm$ 0.458 χ^2/NDF : 438324.1/18

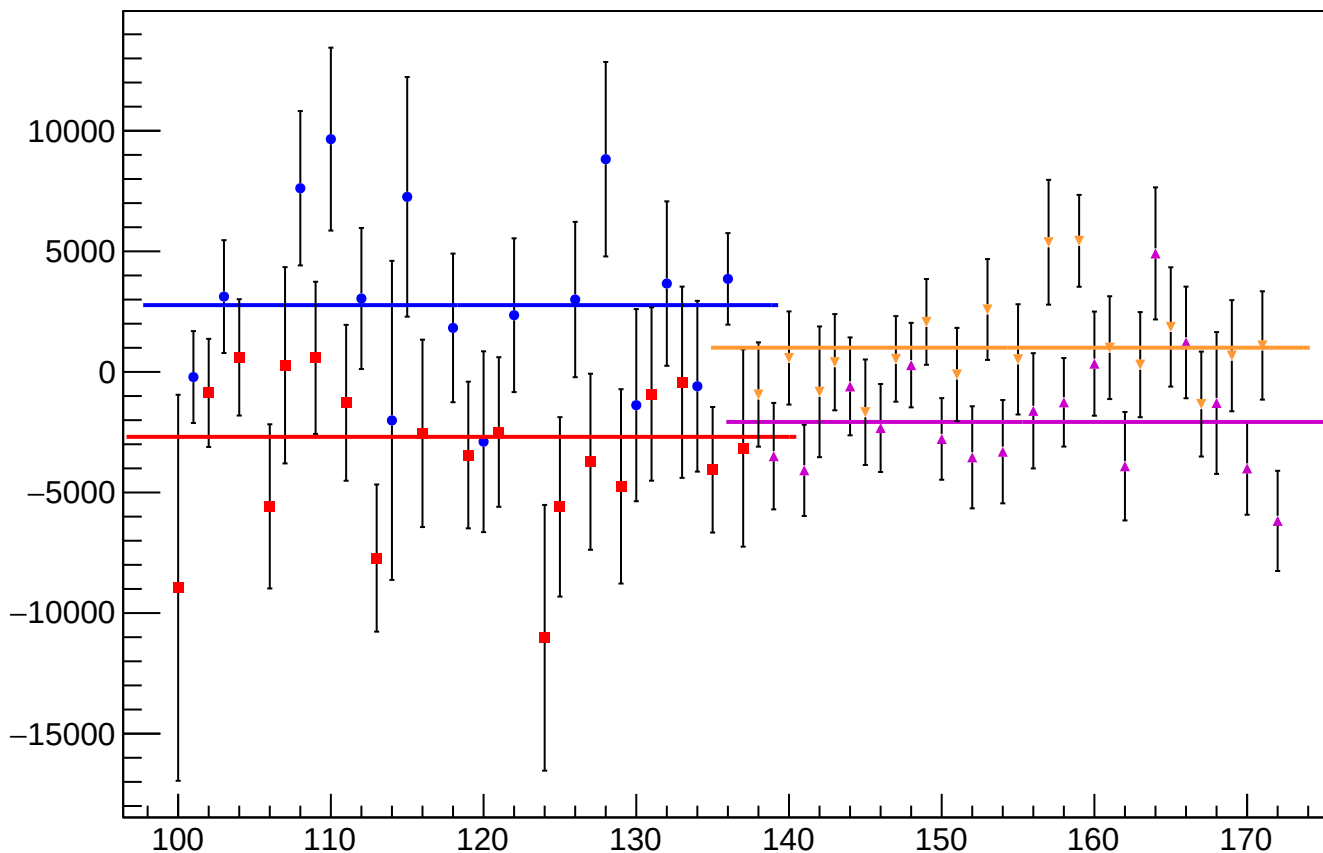
Left In: 1486.498 $\pm$ 0.286 χ^2/NDF : 799507.1/16

+ sign 1540.895 $\pm$ 0.240 χ^2/NDF : 1259775.9/33

All: 1549.247 $\pm$ 0.170 χ^2/NDF : 2722725.9/69

- sign 1557.765 $\pm$ 0.242 χ^2/NDF : 1460502.1/35

asym_usr_mean vs Slug



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

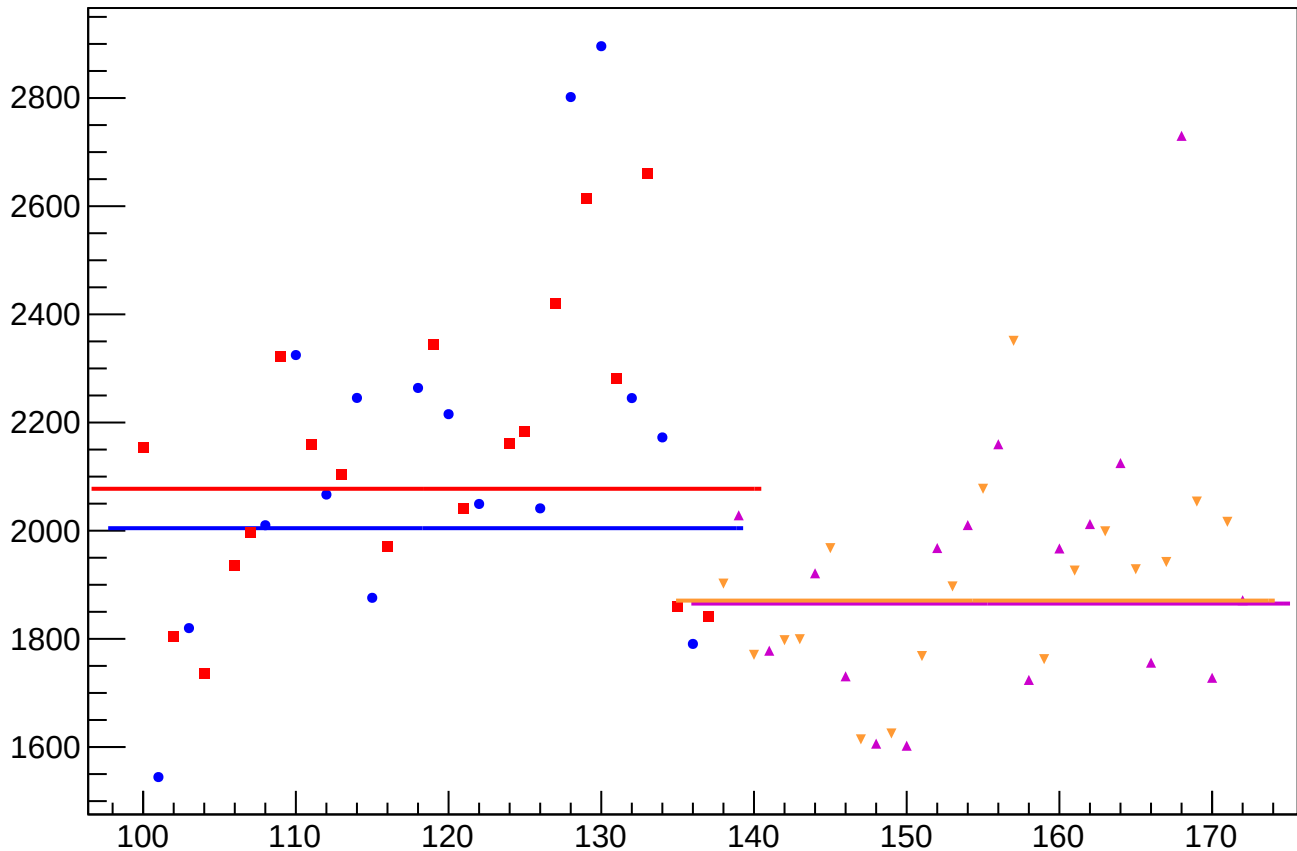
Left In: -2073.646+/-502.184 χ^2/NDF :20.6/16

+ sign 1539.709+/-416.619 χ^2/NDF : 34.2/33

All: -344.977+/-295.760 χ^2/NDF : 109.0/69

- sign -2259.797+/-419.936 χ^2/NDF : 33.5/35

asym_usr_rms vs Slug



Right In: 2004.635 $\pm$ 0.535 χ^2 /NDF: 387567.3/15

Left Out: 1870.753 $\pm$ 0.353 χ^2 /NDF: 223926.8/17

Right Out: 2077.500 $\pm$ 0.541 χ^2 /NDF: 230482.0/18

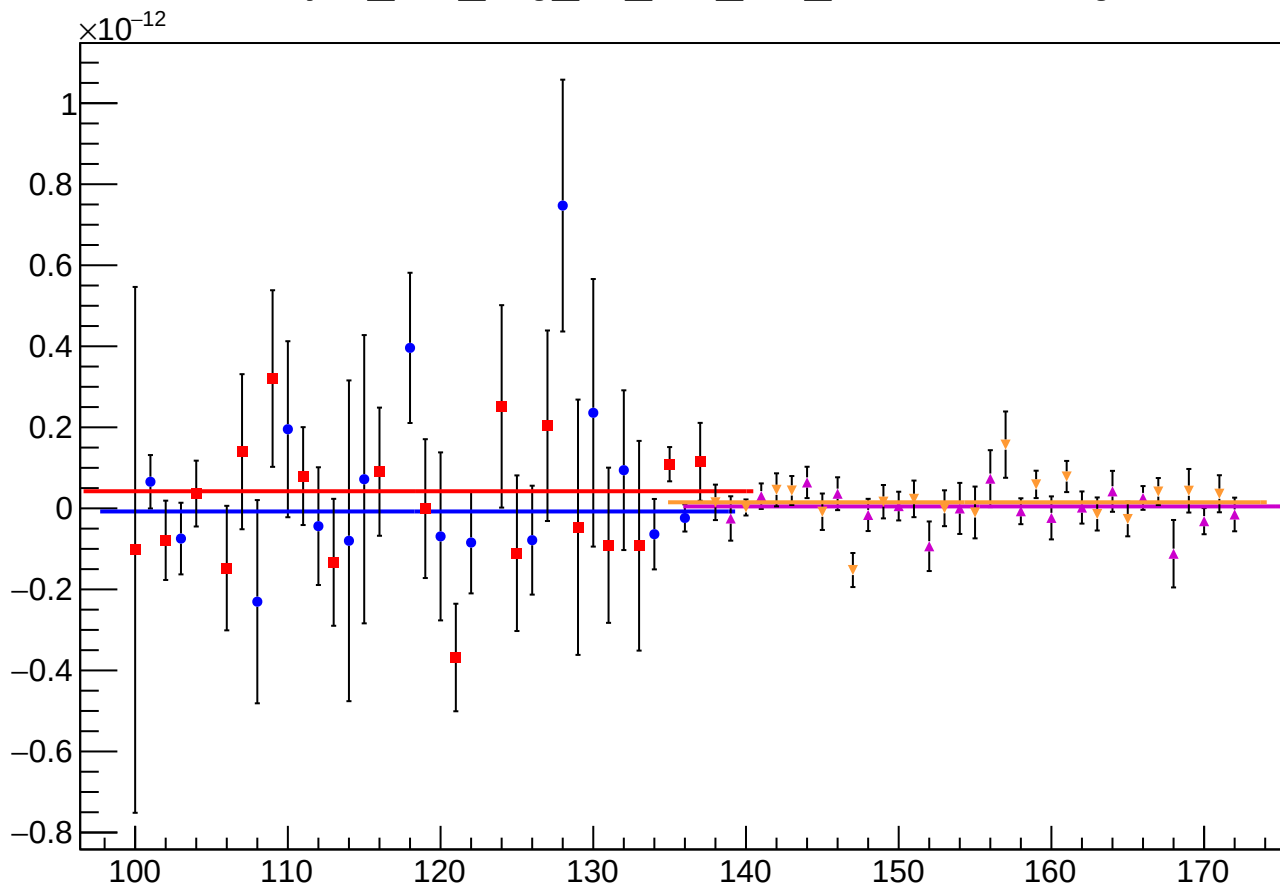
Left In: 1865.250 $\pm$ 0.355 χ^2 /NDF: 394186.3/16

+ sign 1911.293 $\pm$ 0.295 χ^2 /NDF: 655096.6/33

All: 1920.117 $\pm$ 0.209 χ^2 /NDF: 1389018.6/69

- sign 1929.082 $\pm$ 0.297 χ^2 /NDF: 732113.4/35

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

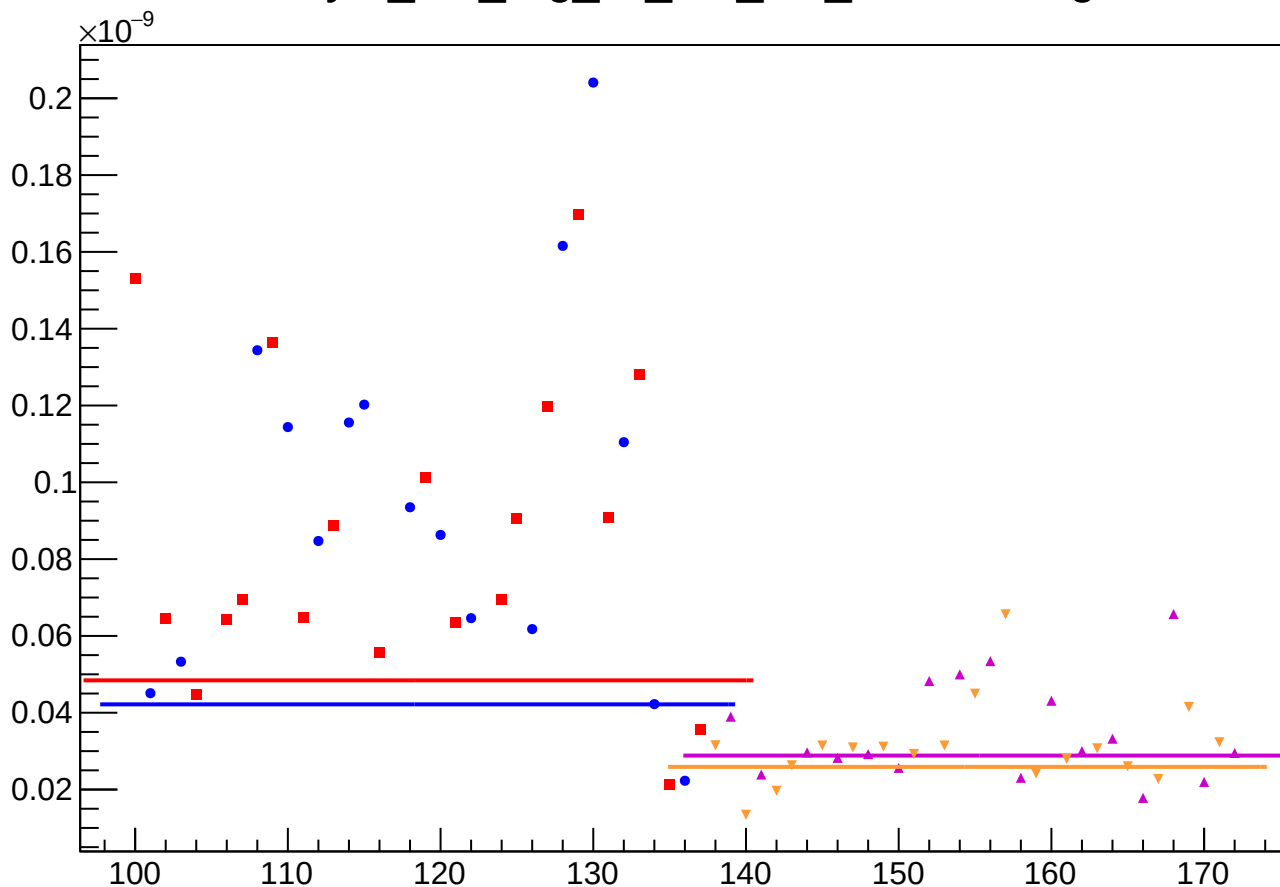
Left In: 0.000 ± 0.000 χ^2/NDF : 12.6/16

+ sign 0.000 ± 0.000 χ^2/NDF : 45.3/33

All: 0.000 ± 0.000 χ^2/NDF : 81.4/69

- sign 0.000 ± 0.000 χ^2/NDF : 36.1/35

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

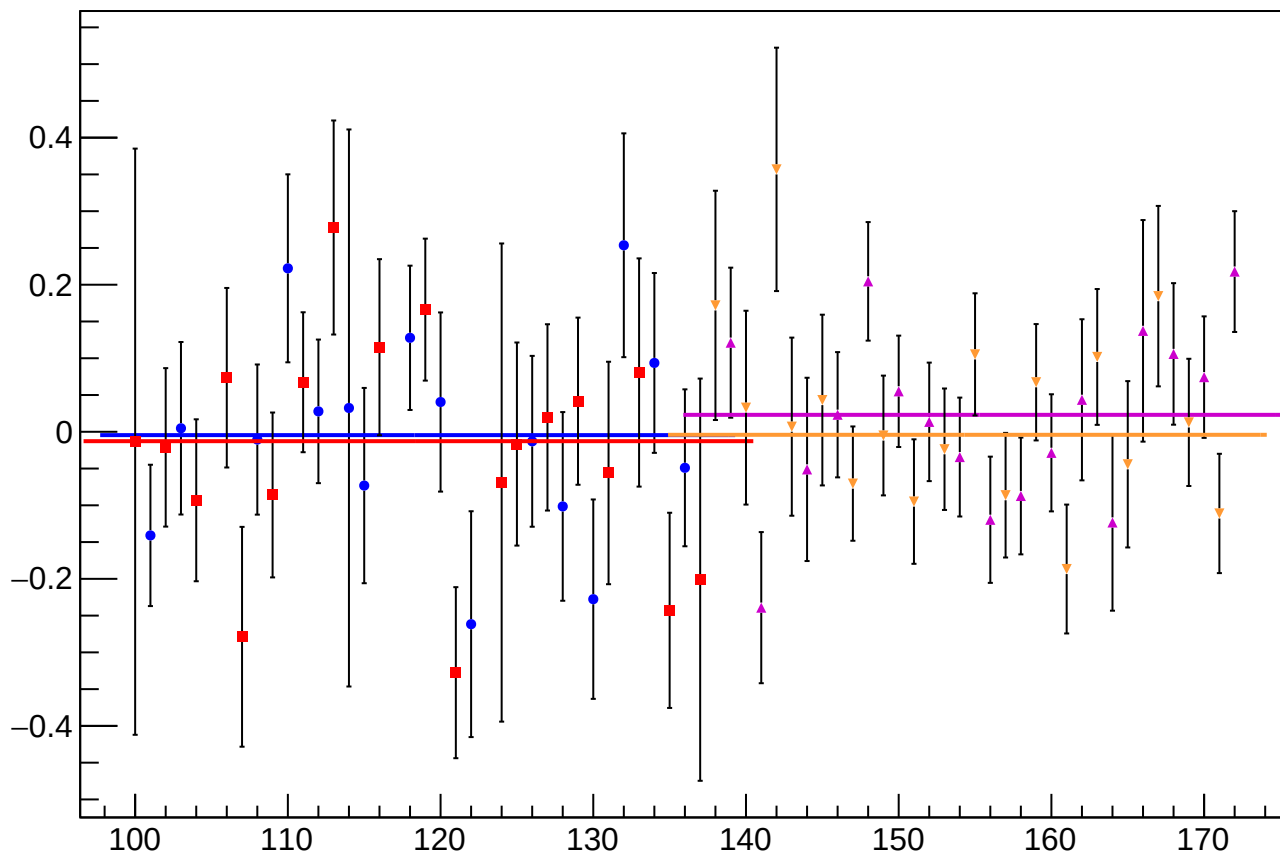
Left In: 0.000+/-0.000 χ^2/NDF :1800860.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 5640198.5/33

All: 0.000+/-0.000 χ^2/NDF : 11103772.5/69

- sign 0.000+/-0.000 χ^2/NDF : 5330323.6/35

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

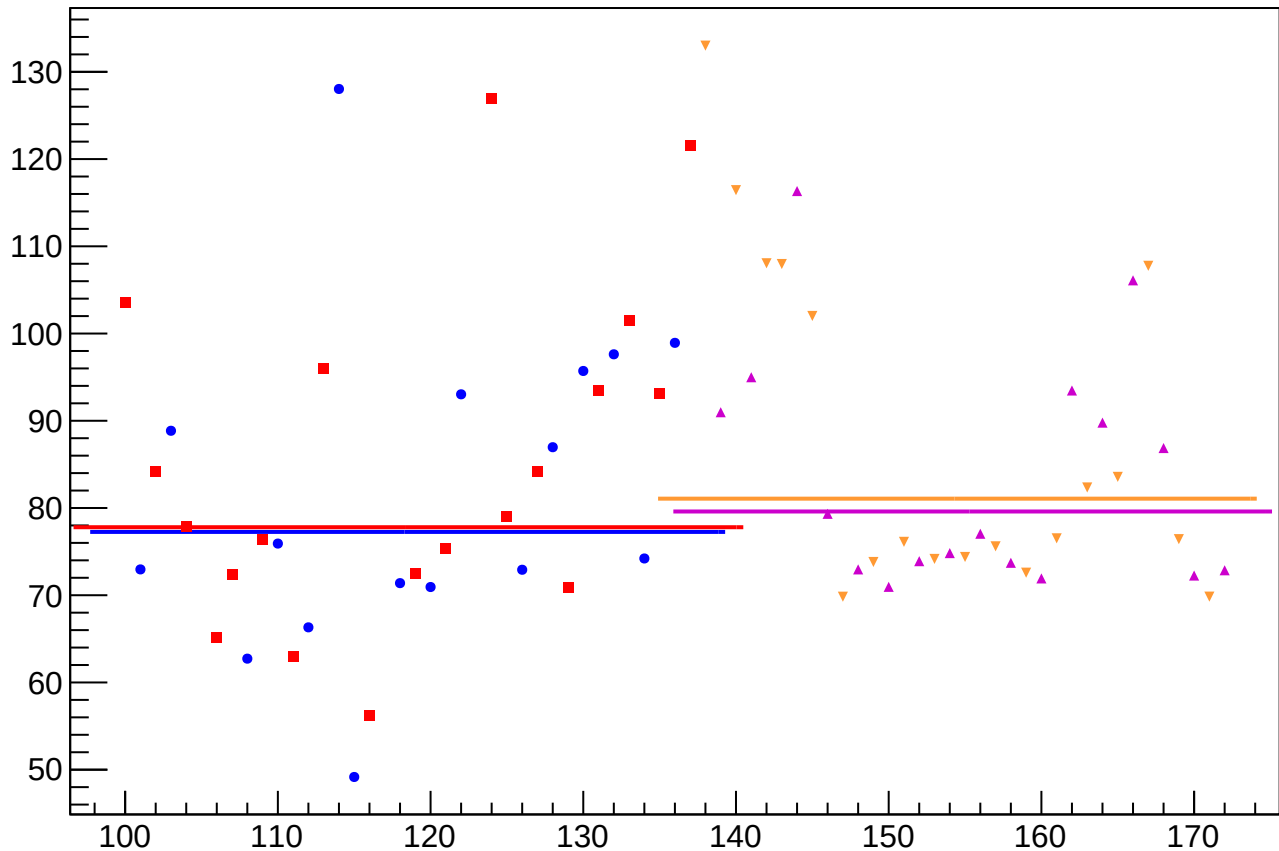
Left In: 0.023 ± 0.022 χ^2/NDF : 27.5/16

+ sign -0.004 ± 0.018 χ^2/NDF : 38.9/33

All: 0.003 ± 0.013 χ^2/NDF : 93.2/69

- sign 0.010 ± 0.018 χ^2/NDF : 53.9/35

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 77.259 $\pm$ 0.021 χ^2 /NDF: 419290.2/15

Left Out: 81.071 $\pm$ 0.016 χ^2 /NDF: 851185.9/17

Right Out: 77.796 $\pm$ 0.021 χ^2 /NDF: 396477.1/18

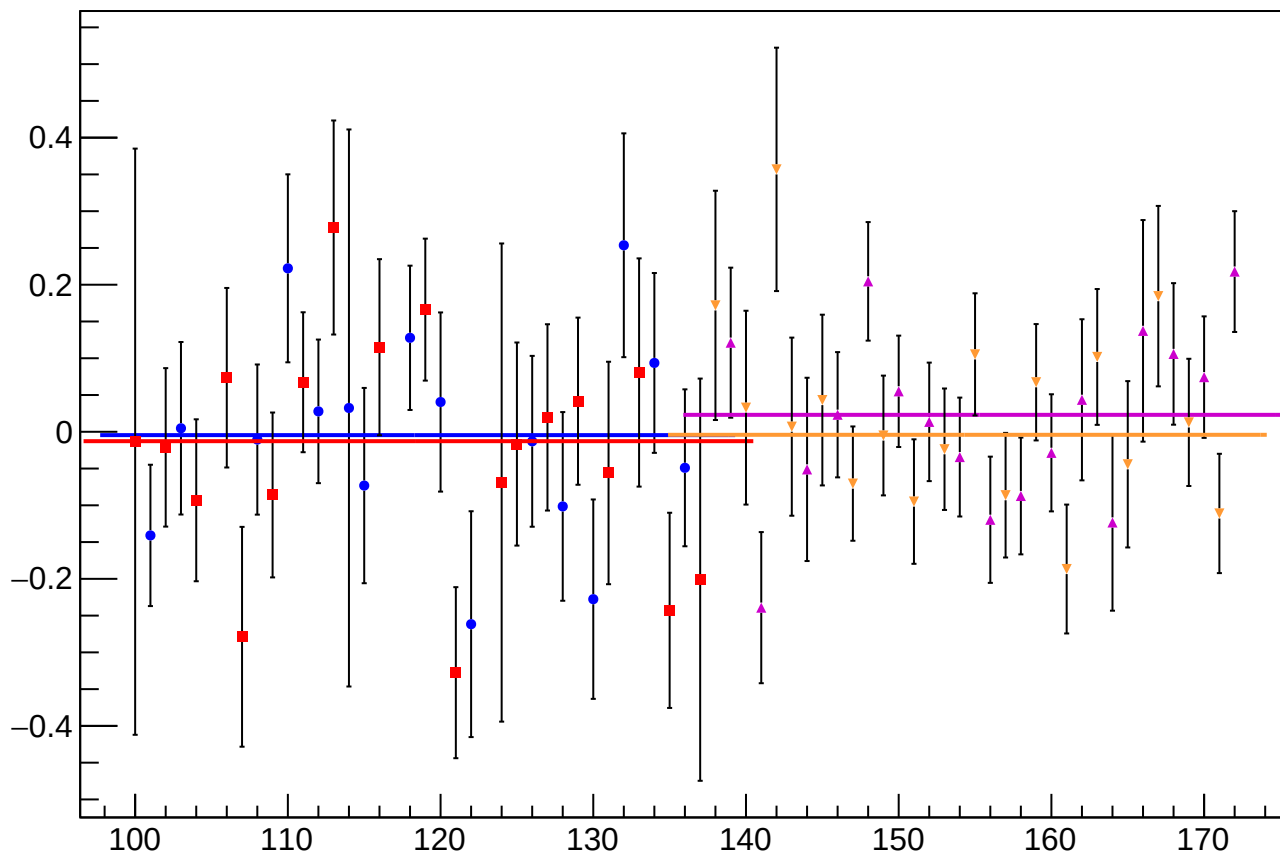
Left In: 79.599 $\pm$ 0.016 χ^2 /NDF: 480374.5/16

+ sign 79.713 $\pm$ 0.013 χ^2 /NDF: 1291198.0/33

All: 79.332 $\pm$ 0.009 χ^2 /NDF: 2174589.2/69

- sign 78.964 $\pm$ 0.012 χ^2 /NDF: 881618.1/35

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

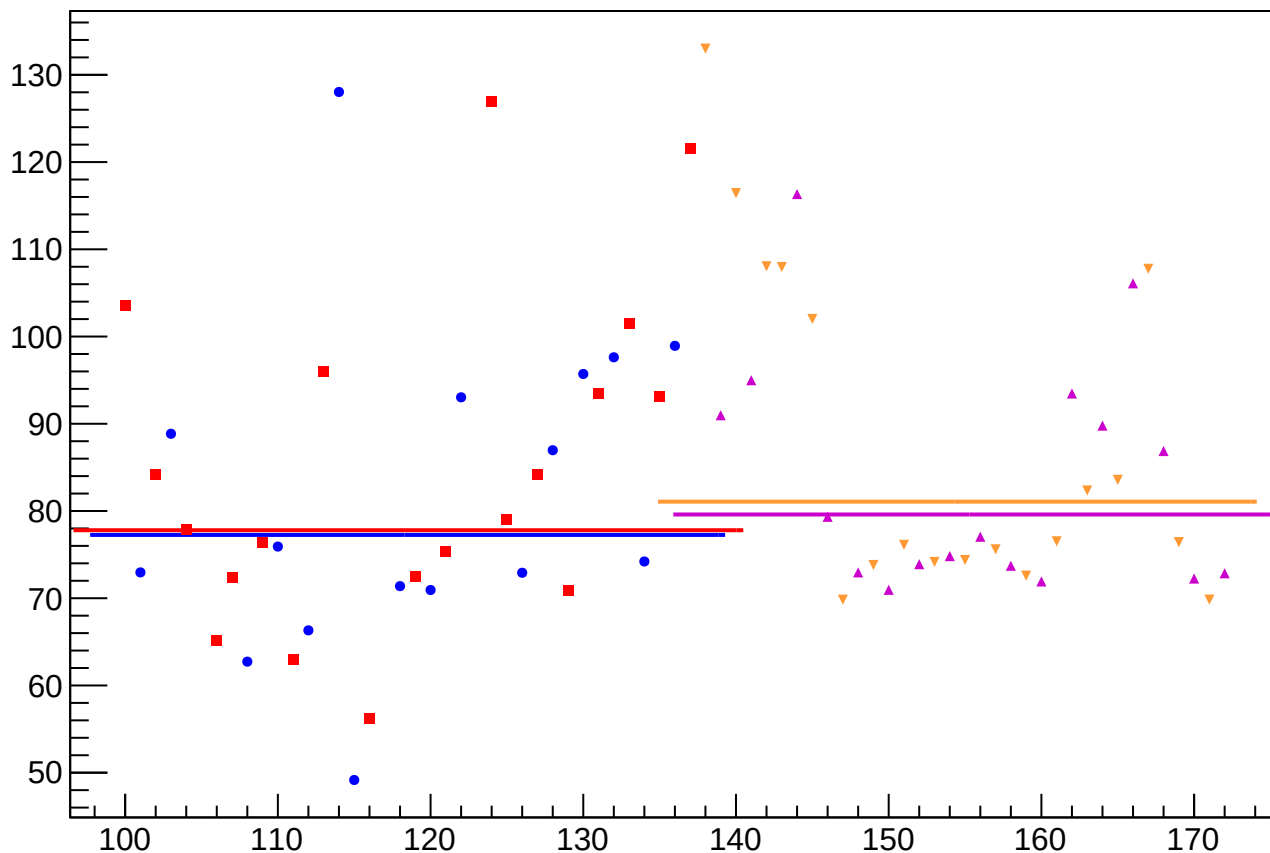
Left In: 0.023 ± 0.022 χ^2/NDF : 27.5/16

+ sign -0.004 ± 0.018 χ^2/NDF : 38.9/33

All: 0.003 ± 0.013 χ^2/NDF : 93.2/69

- sign 0.010 ± 0.018 χ^2/NDF : 53.9/35

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.259 $\pm$ 0.021 χ^2 /NDF: 419290.2/15

Left Out: 81.071 $\pm$ 0.016 χ^2 /NDF:851185.9/17

Right Out: 77.796 $\pm$ 0.021 χ^2 /NDF: 396477.1/18

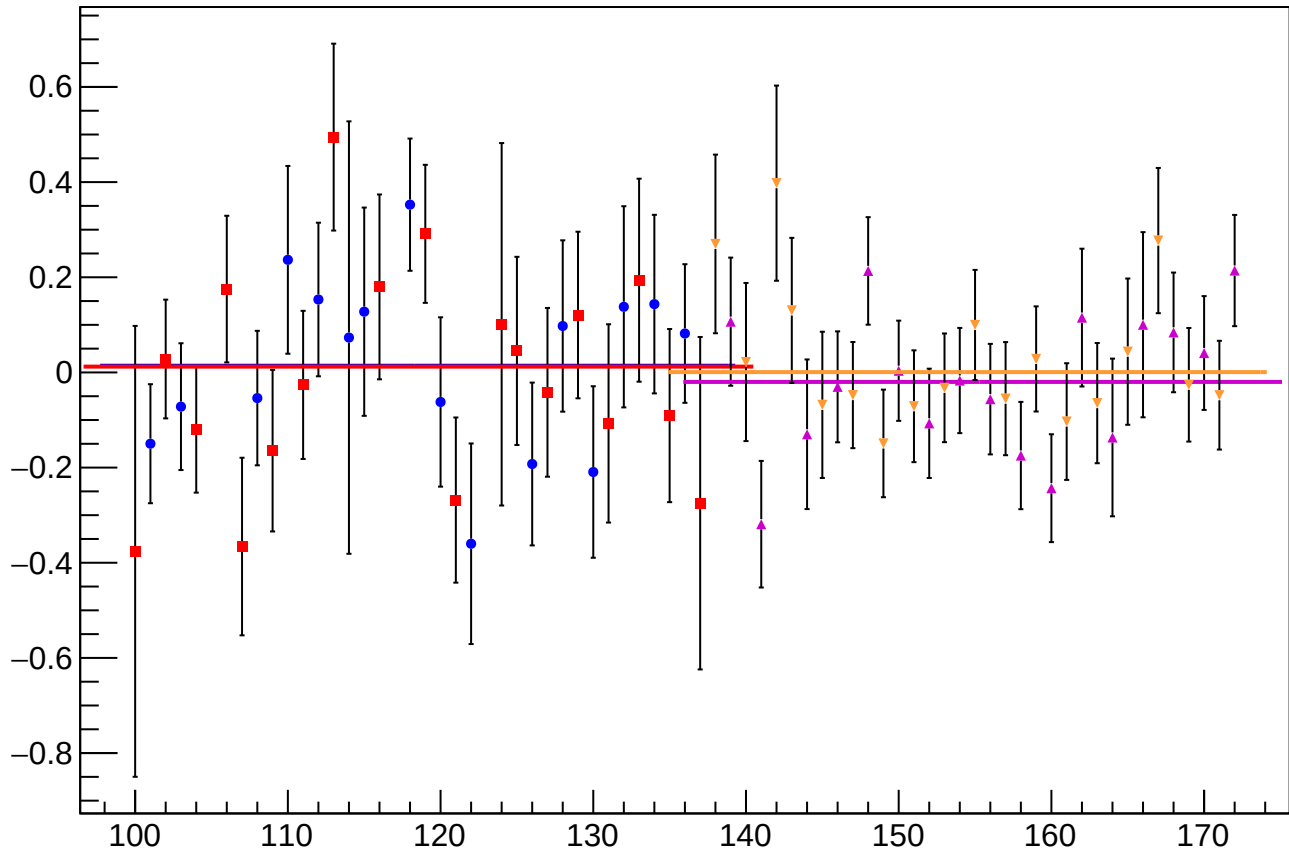
Left In: 79.599 $\pm$ 0.016 χ^2 /NDF:480374.5/16

+ sign 79.713 $\pm$ 0.013 χ^2 /NDF: 1291198.0/33

All: 79.332 $\pm$ 0.009 χ^2 /NDF: 2174589.2/69

- sign 78.964 $\pm$ 0.012 χ^2 /NDF: 881618.1/35

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 ± 0.042 χ^2/NDF : 18.2/15

Left Out: 0.001 ± 0.031 χ^2/NDF : 14.7/17

Right Out: 0.012 ± 0.041 χ^2/NDF : 23.8/18

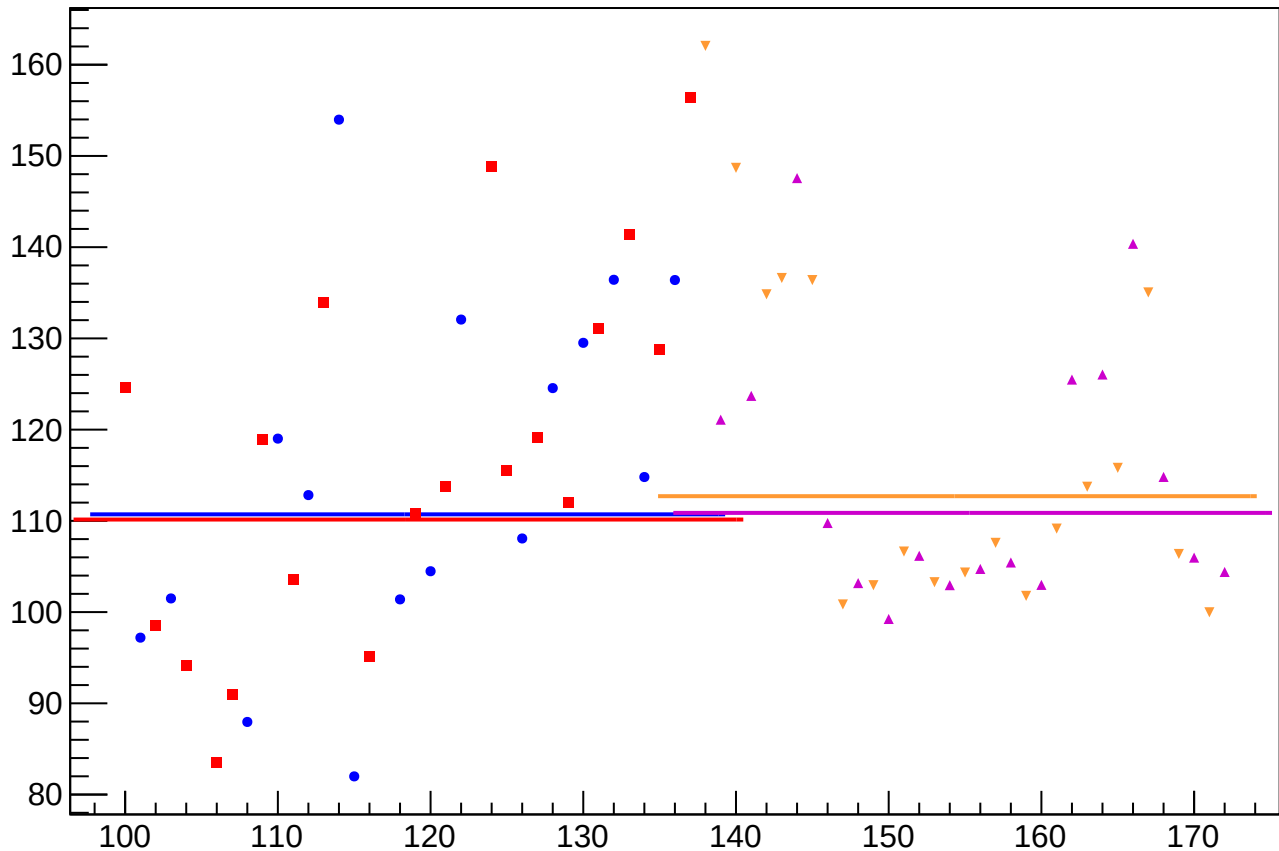
Left In: -0.020 ± 0.030 χ^2/NDF : 23.9/16

+ sign 0.005 ± 0.025 χ^2/NDF : 33.0/33

All: -0.002 ± 0.017 χ^2/NDF : 81.2/69

- sign -0.009 ± 0.024 χ^2/NDF : 48.0/35

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



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

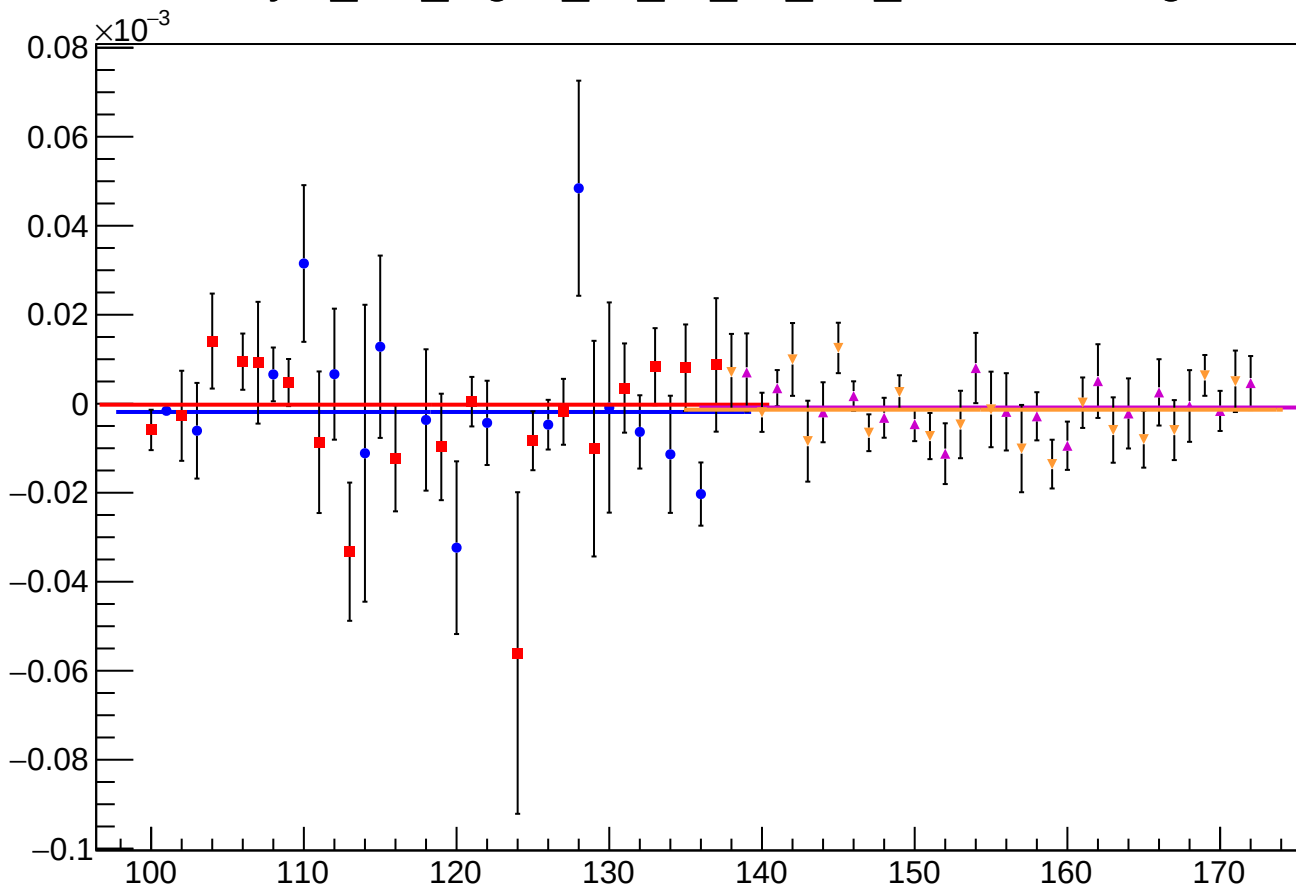
Left In: 110.874+/-0.021 χ^2/NDF : 301025.3/16

+ sign 112.021+/-0.018 χ^2/NDF : 821078.4/33

All: 111.309+/-0.012 χ^2/NDF : 1452488.2/69

- sign 110.621+/-0.017 χ^2/NDF : 628158.7/35

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



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

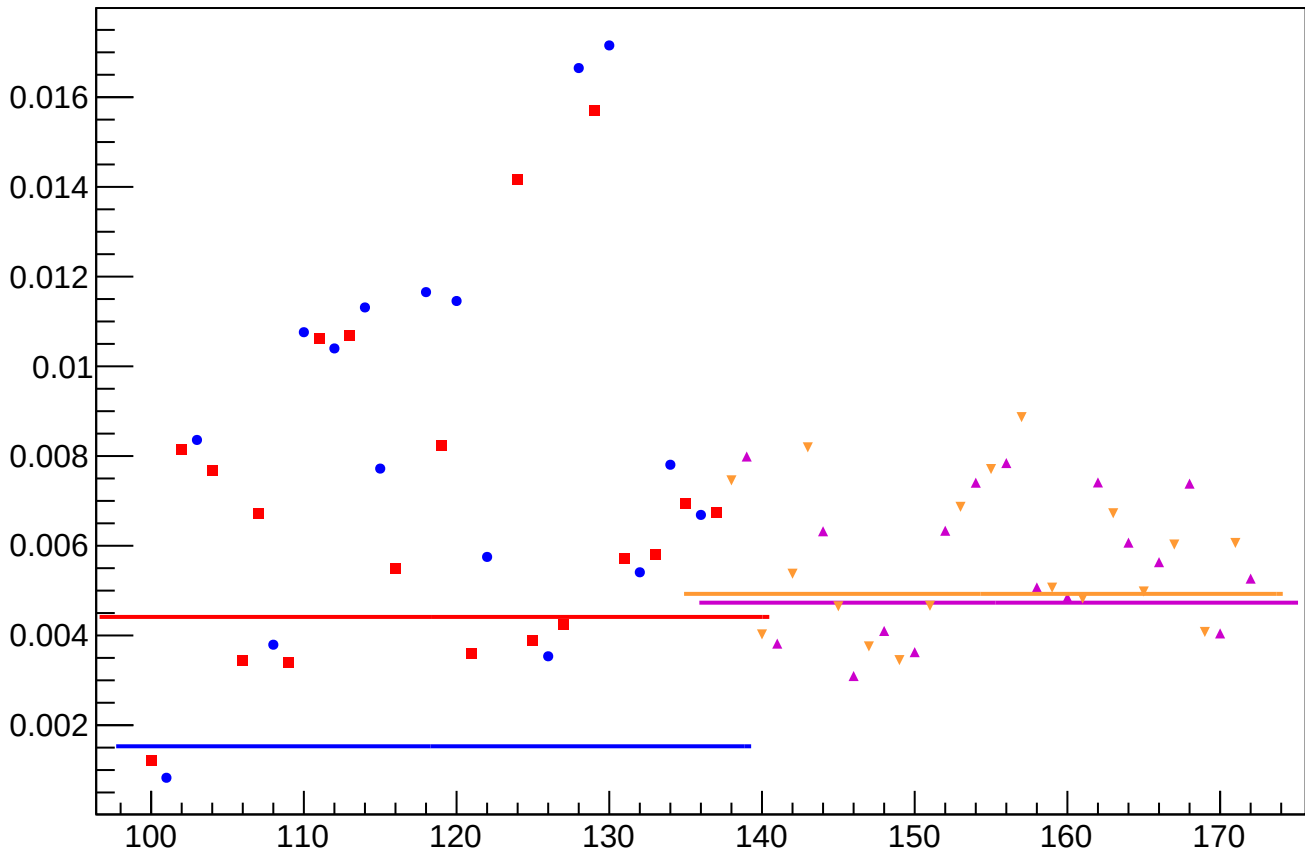
Left In: -0.000+/-0.000 χ^2/NDF : 11.6/16

+ sign -0.000+/-0.000 χ^2/NDF : 46.6/33

All: -0.000+/-0.000 χ^2/NDF : 78.8/69

- sign -0.000+/-0.000 χ^2/NDF : 31.6/35

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 $\chi^2/\text{NDF}: 9222940.9/15$

Left Out: 0.005 ± 0.000 $\chi^2/\text{NDF}: 1965196.5/17$

Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 3388069.5/18$

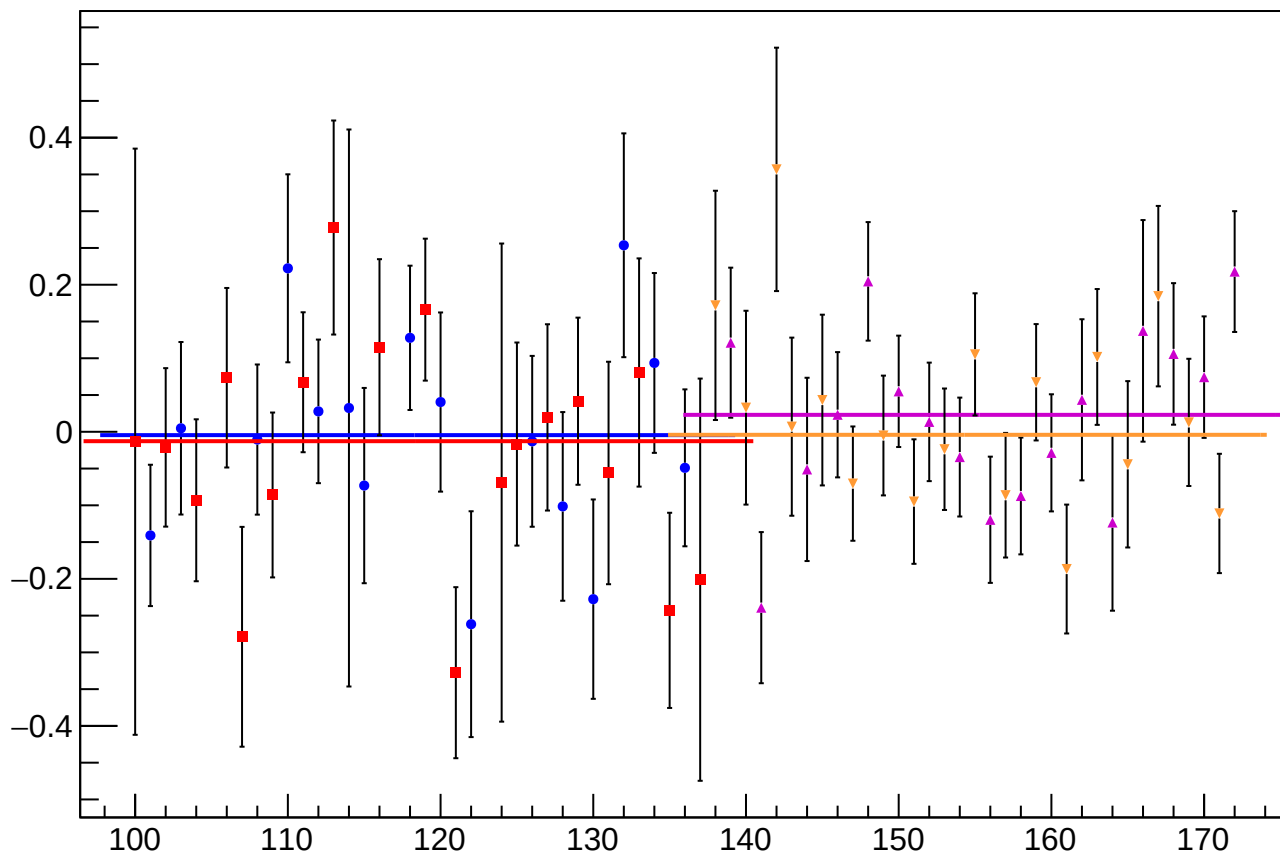
Left In: 0.005 ± 0.000 $\chi^2/\text{NDF}: 2361617.3/16$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 19327897.0/33$

All: 0.003 ± 0.000 $\chi^2/\text{NDF}: 29332816.7/69$

- sign 0.005 ± 0.000 $\chi^2/\text{NDF}: 5786445.5/35$

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

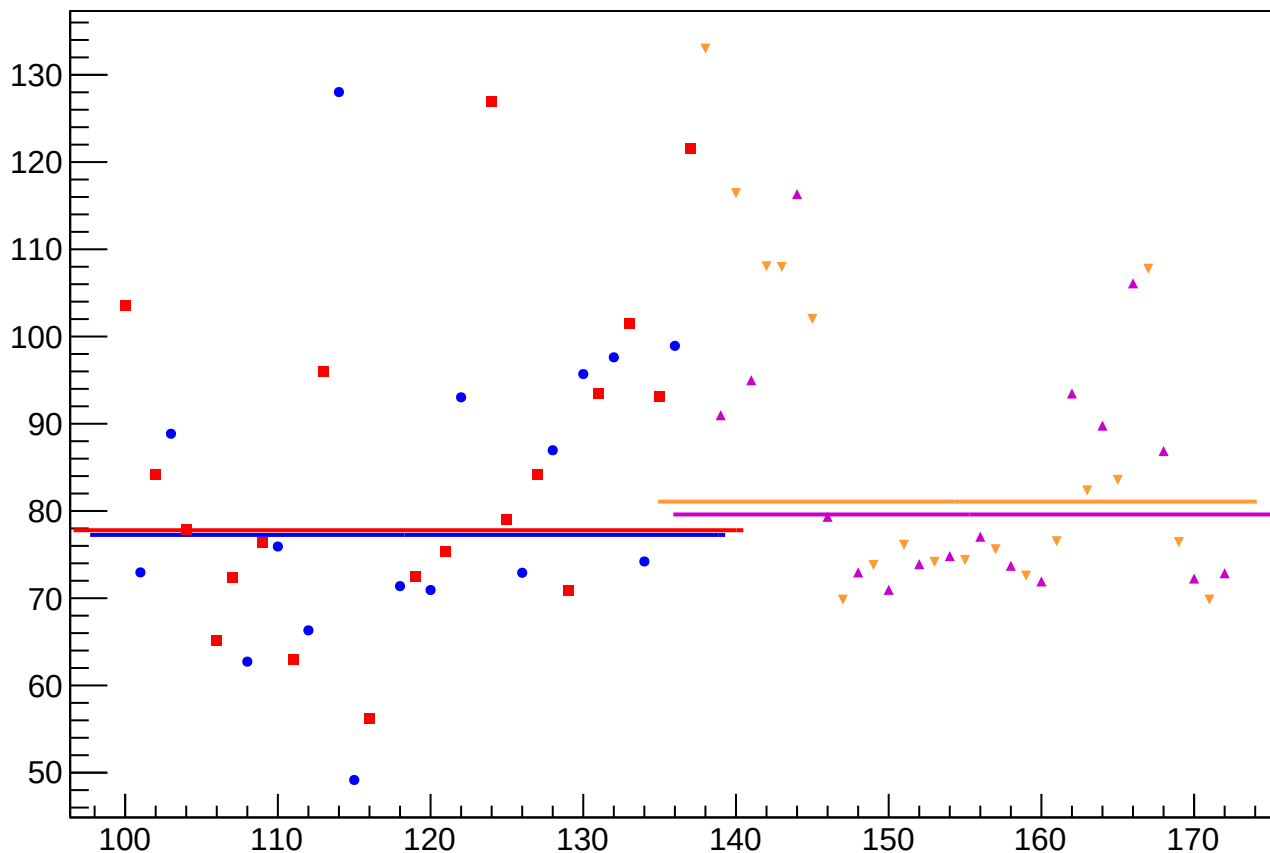
Left In: 0.023 ± 0.022 χ^2/NDF : 27.5/16

+ sign -0.004 ± 0.018 χ^2/NDF : 38.9/33

All: 0.003 ± 0.013 χ^2/NDF : 93.2/69

- sign 0.010 ± 0.018 χ^2/NDF : 53.9/35

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.257 $\pm$ 0.021 χ^2 /NDF: 419276.8/15

Left Out: 81.071 $\pm$ 0.016 χ^2 /NDF:851189.8/17

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

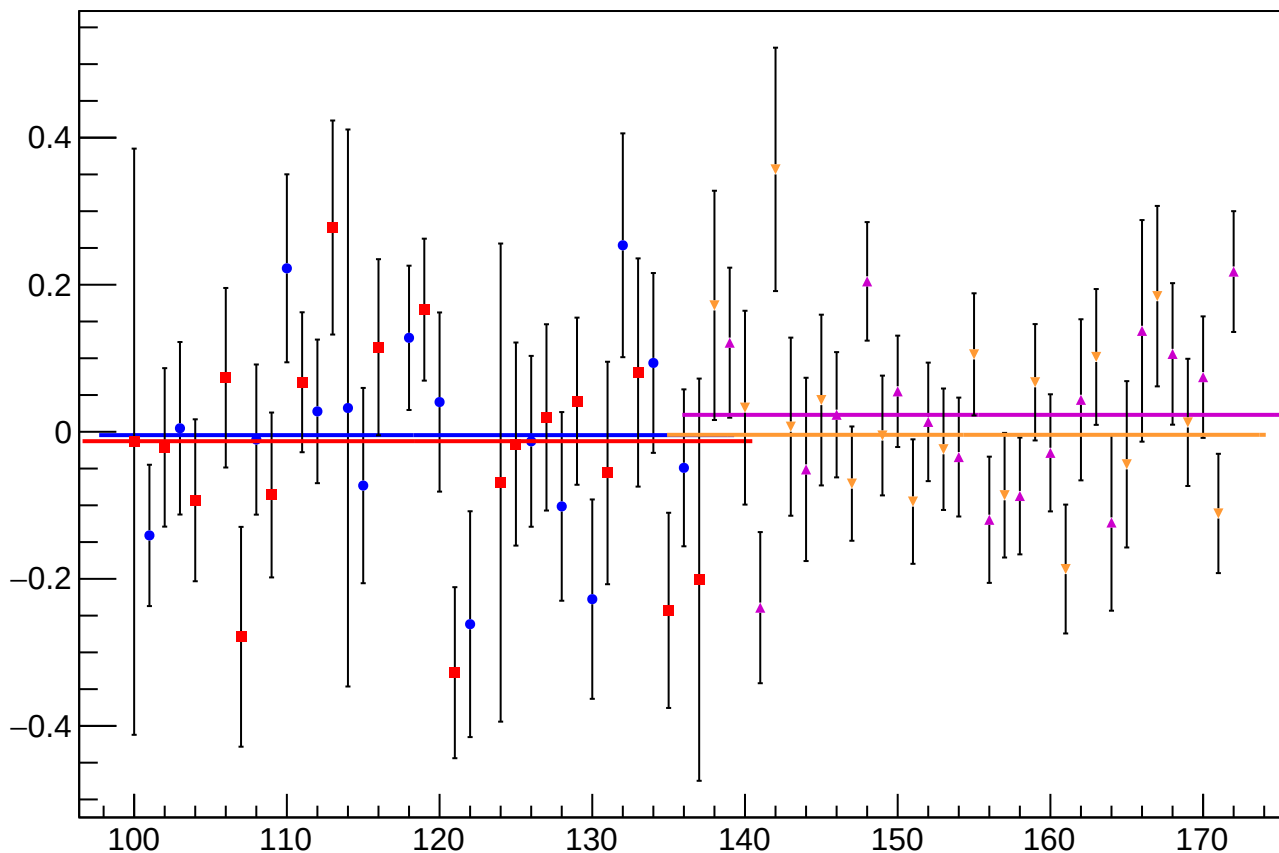
Left In: 79.600 $\pm$ 0.016 χ^2 /NDF:480377.4/16

+ sign 79.713 $\pm$ 0.013 χ^2 /NDF: 1291211.8/33

All: 79.332 $\pm$ 0.009 χ^2 /NDF: 2174613.8/69

- sign 78.964 $\pm$ 0.012 χ^2 /NDF: 881629.0/35

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005 ± 0.030 $\chi^2/\text{NDF}: 17.3/15$

Left Out: -0.004 ± 0.022 $\chi^2/\text{NDF}: 21.6/17$

Right Out: -0.013 ± 0.030 $\chi^2/\text{NDF}: 25.5/18$

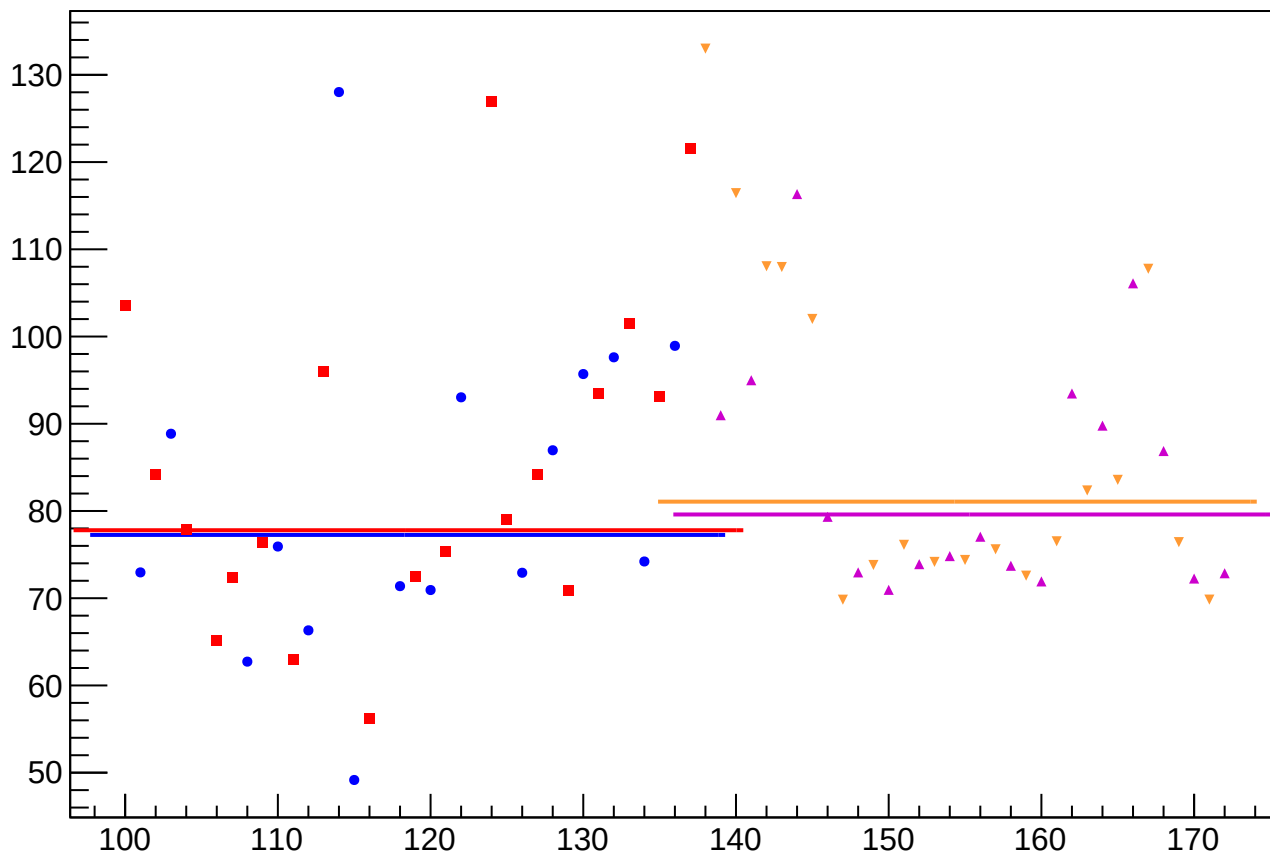
Left In: 0.023 ± 0.022 $\chi^2/\text{NDF}: 27.5/16$

+ sign -0.004 ± 0.018 $\chi^2/\text{NDF}: 38.9/33$

All: 0.003 ± 0.013 $\chi^2/\text{NDF}: 93.2/69$

- sign 0.010 ± 0.018 $\chi^2/\text{NDF}: 53.9/35$

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 77.257 $\pm$ 0.021 χ^2 /NDF: 419276.8/15

Left Out: 81.071 $\pm$ 0.016 χ^2 /NDF:851189.8/17

Right Out: 77.795 $\pm$ 0.021 χ^2 /NDF: 396473.9/18

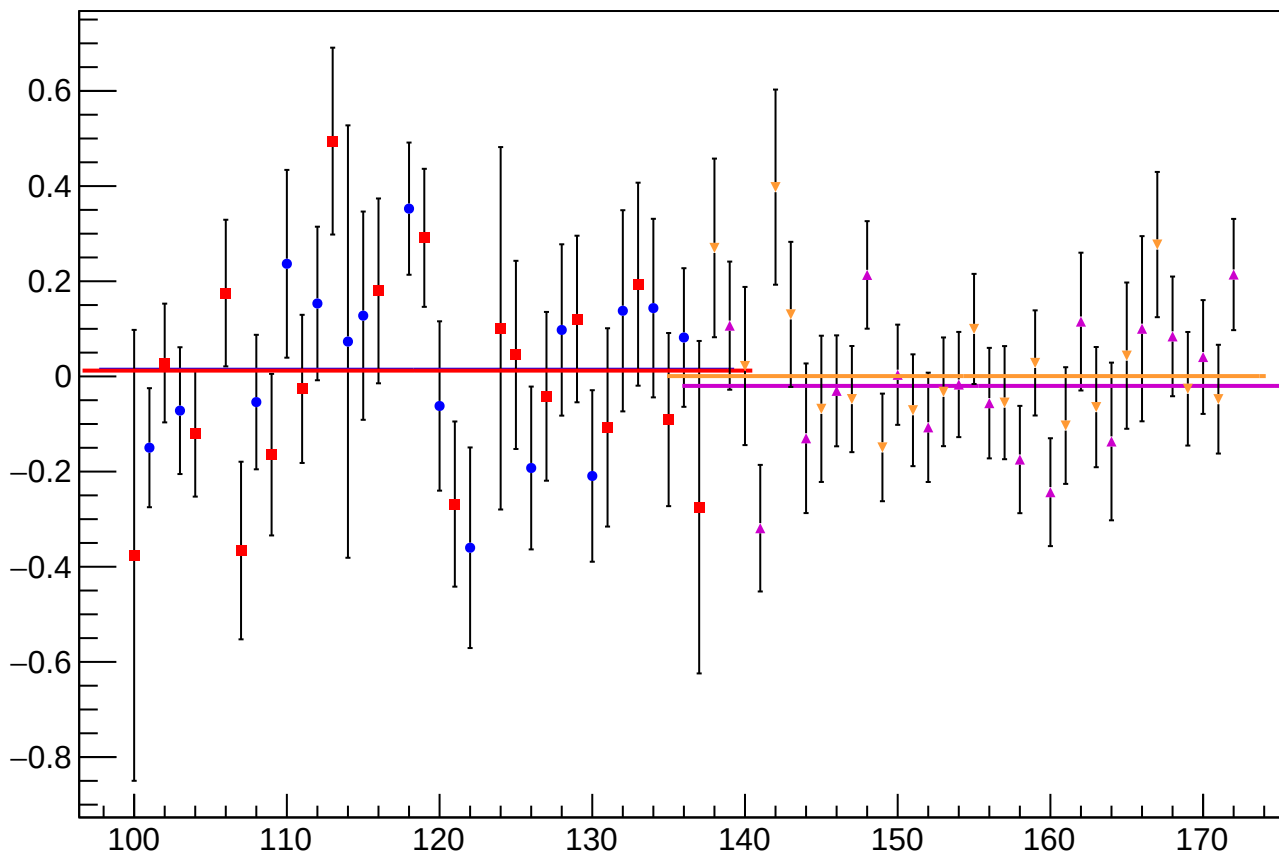
Left In: 79.600 $\pm$ 0.016 χ^2 /NDF:480377.4/16

+ sign 79.713 $\pm$ 0.013 χ^2 /NDF: 1291211.8/33

All: 79.332 $\pm$ 0.009 χ^2 /NDF: 2174613.8/69

- sign 78.964 $\pm$ 0.012 χ^2 /NDF: 881629.0/35

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.014 ± 0.042 χ^2/NDF : 18.2/15

Left Out: 0.001 ± 0.031 χ^2/NDF : 14.7/17

Right Out: 0.012 ± 0.041 χ^2/NDF : 23.8/18

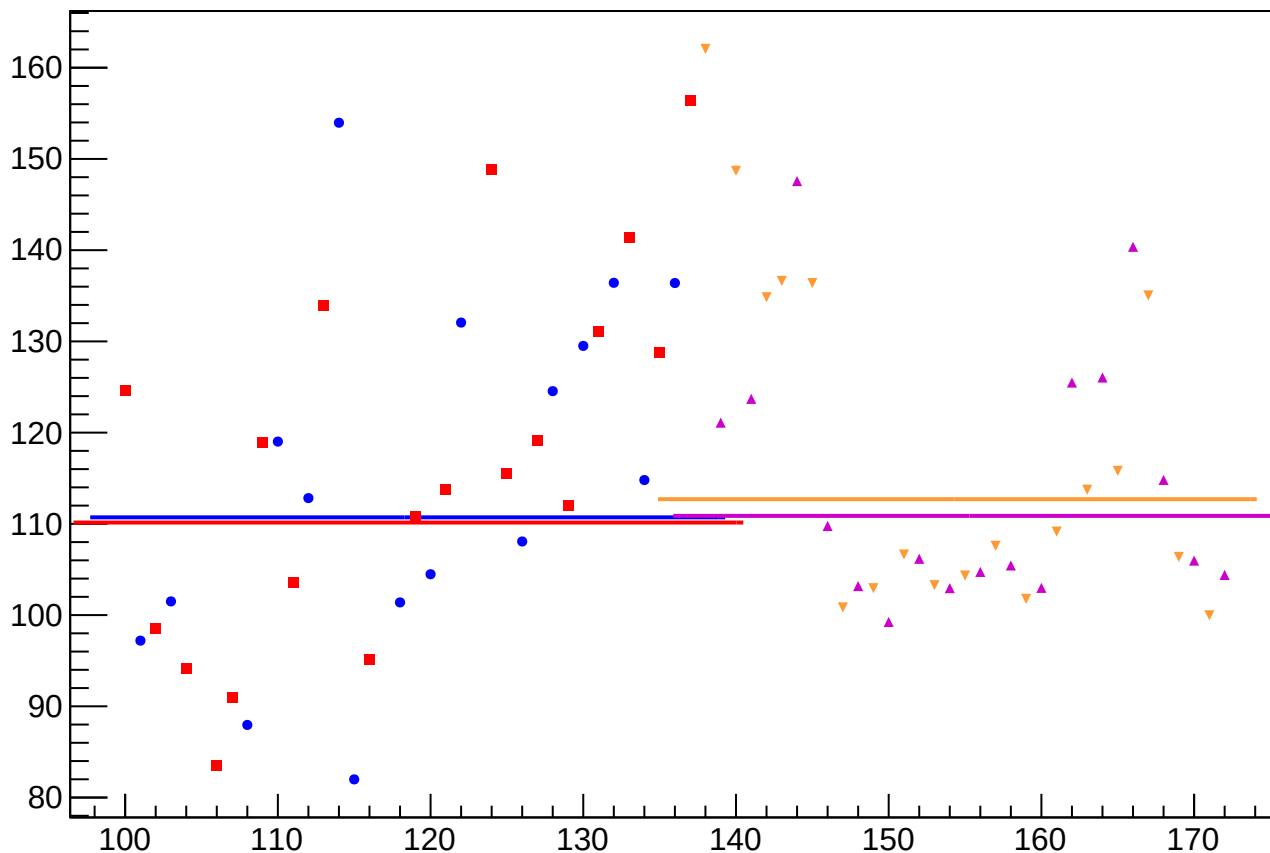
Left In: -0.020 ± 0.030 χ^2/NDF : 23.9/16

+ sign 0.005 ± 0.025 χ^2/NDF : 33.0/33

All: -0.002 ± 0.017 χ^2/NDF : 81.2/69

- sign -0.009 ± 0.024 χ^2/NDF : 48.0/35

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.714 $\pm$ 0.030 χ^2 /NDF: 299948.2/15

Left Out: 112.706 $\pm$ 0.022 χ^2 /NDF: 518194.4/17

Right Out: 110.144 $\pm$ 0.029 χ^2 /NDF: 326696.7/18

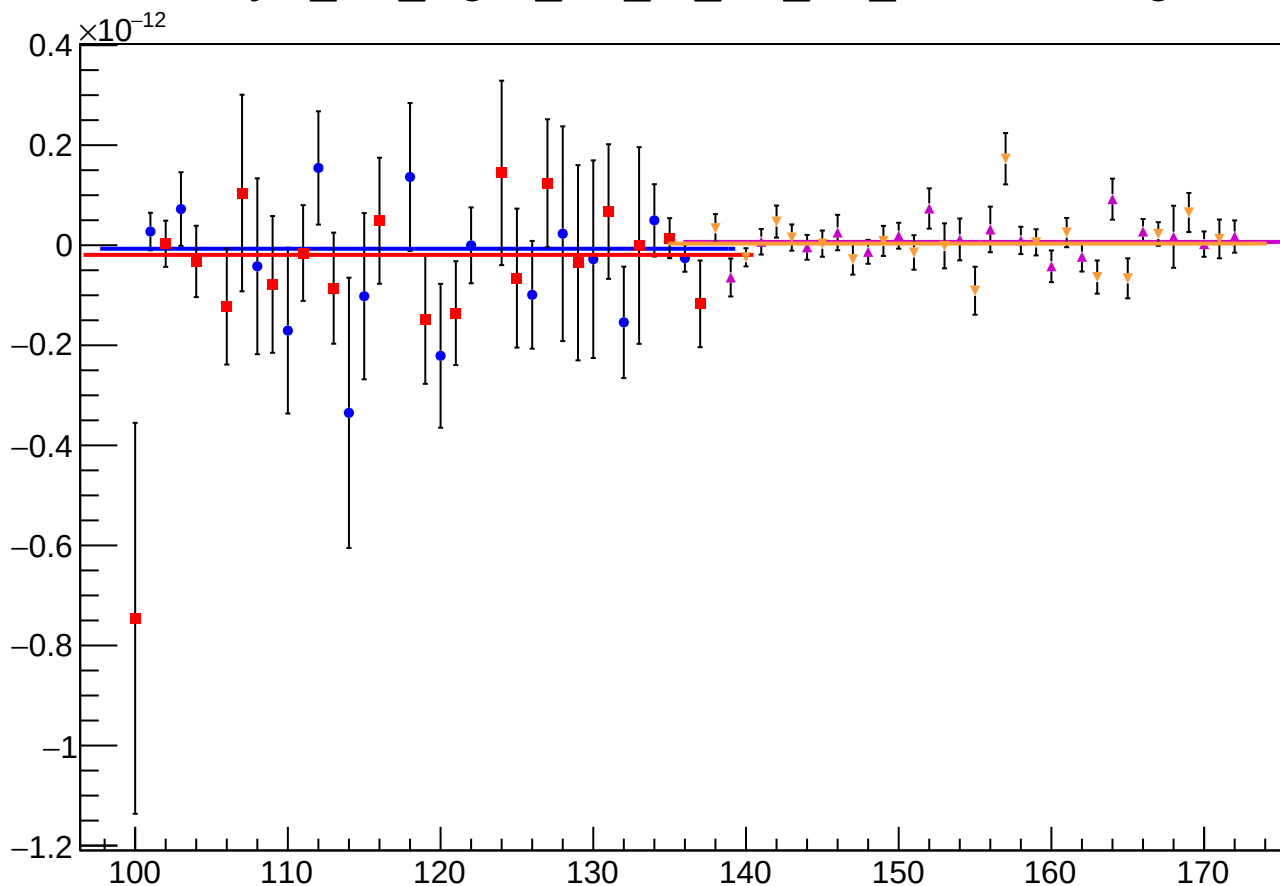
Left In: 110.875 $\pm$ 0.021 χ^2 /NDF: 301028.6/16

+ sign 112.021 $\pm$ 0.018 χ^2 /NDF: 821058.8/33

All: 111.309 $\pm$ 0.012 χ^2 /NDF: 1452443.4/69

- sign 110.621 $\pm$ 0.017 χ^2 /NDF: 628133.5/35

asym_usr_eigen_cor_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 : 32.6/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.6/18

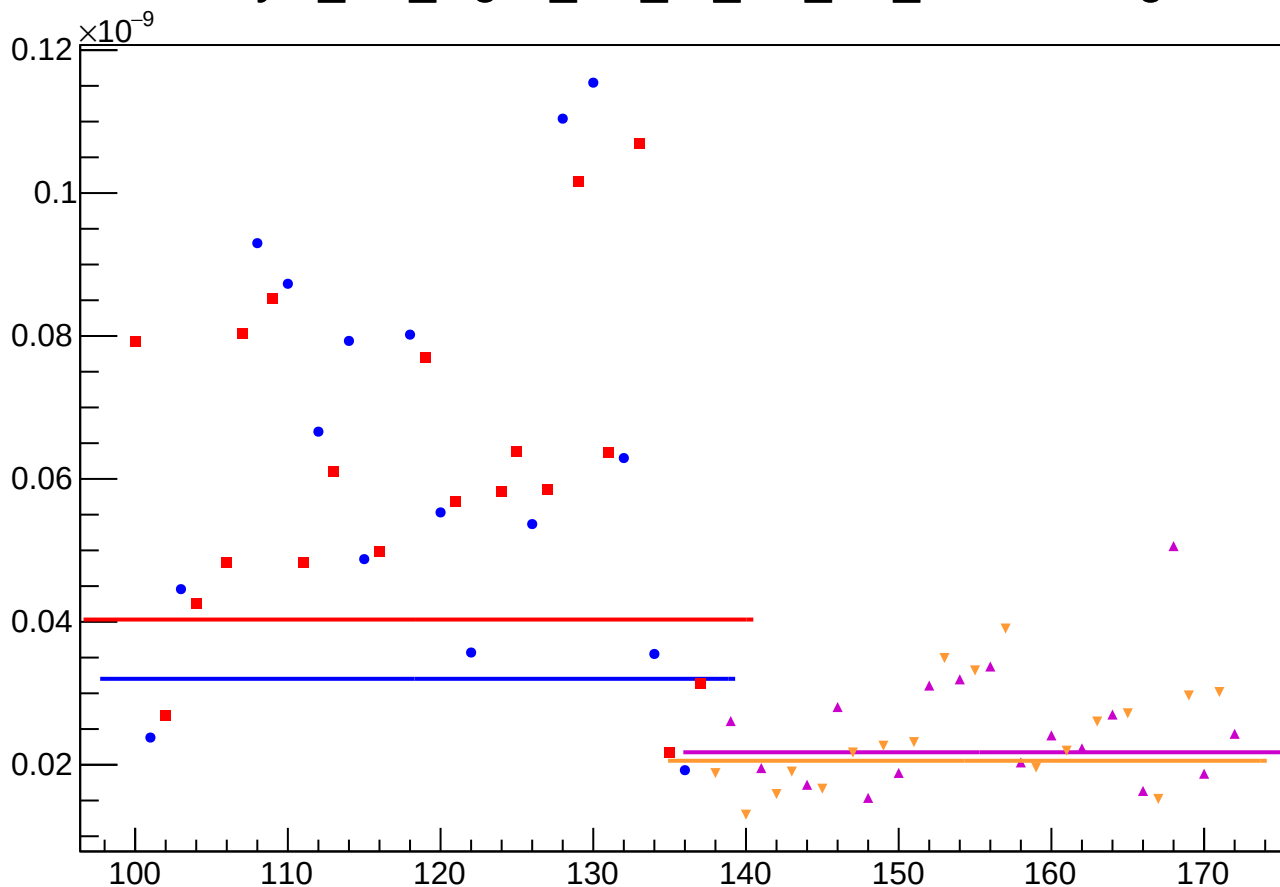
Left In: 0.000 ± 0.000 χ^2/NDF : 16.6/16

+ sign 0.000 ± 0.000 χ^2/NDF : 46.5/33

All: 0.000 ± 0.000 χ^2/NDF : 77.1/69

- sign 0.000 ± 0.000 χ^2/NDF : 30.5/35

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

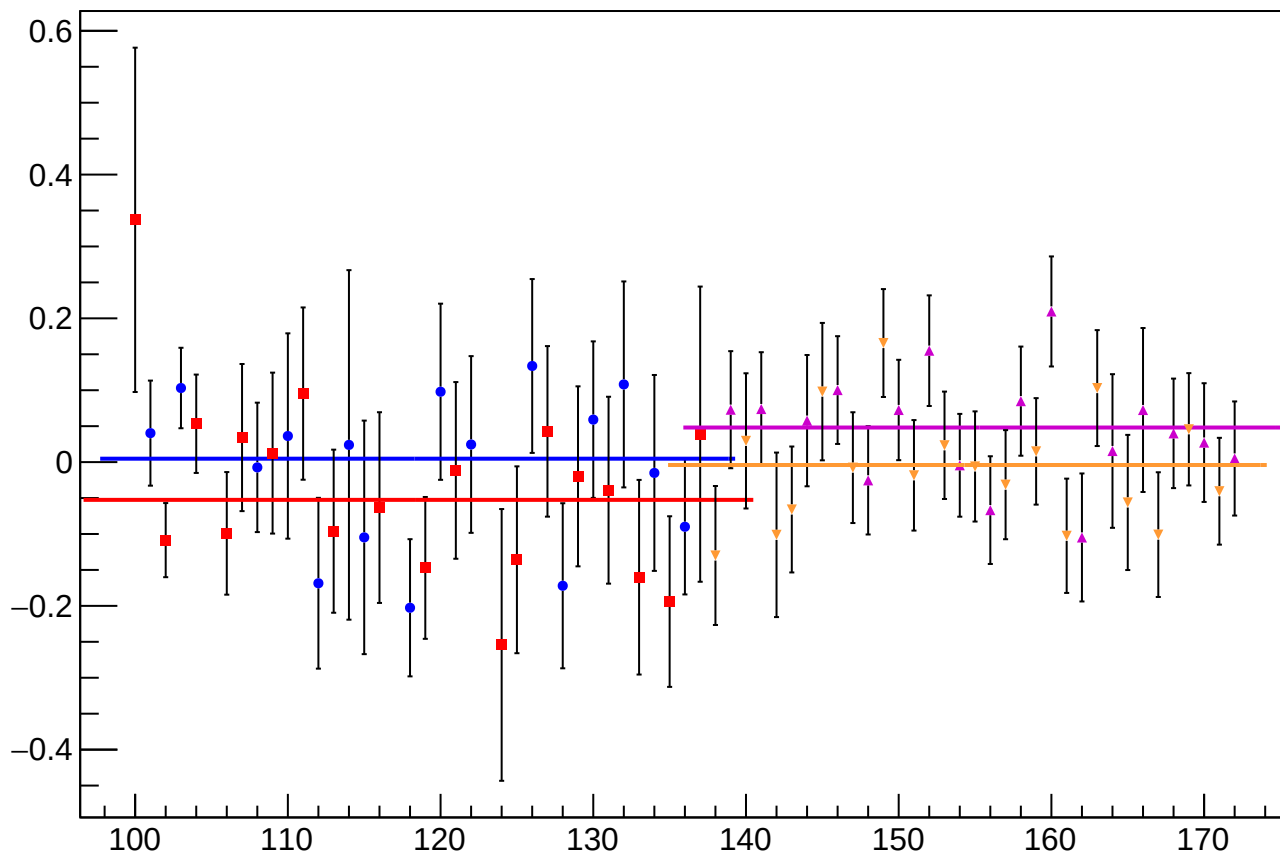
Left In: 0.000+/-0.000 χ^2/NDF :1323301.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4694957.6/33

All: 0.000+/-0.000 χ^2/NDF : 9320808.0/69

- sign 0.000+/-0.000 χ^2/NDF : 4564700.6/35

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005 $\pm$ 0.026 χ^2 /NDF: 16.6/15

Left Out: -0.004 $\pm$ 0.019 χ^2 /NDF:15.2/17

Right Out: -0.053 $\pm$ 0.024 χ^2 /NDF: 14.8/18

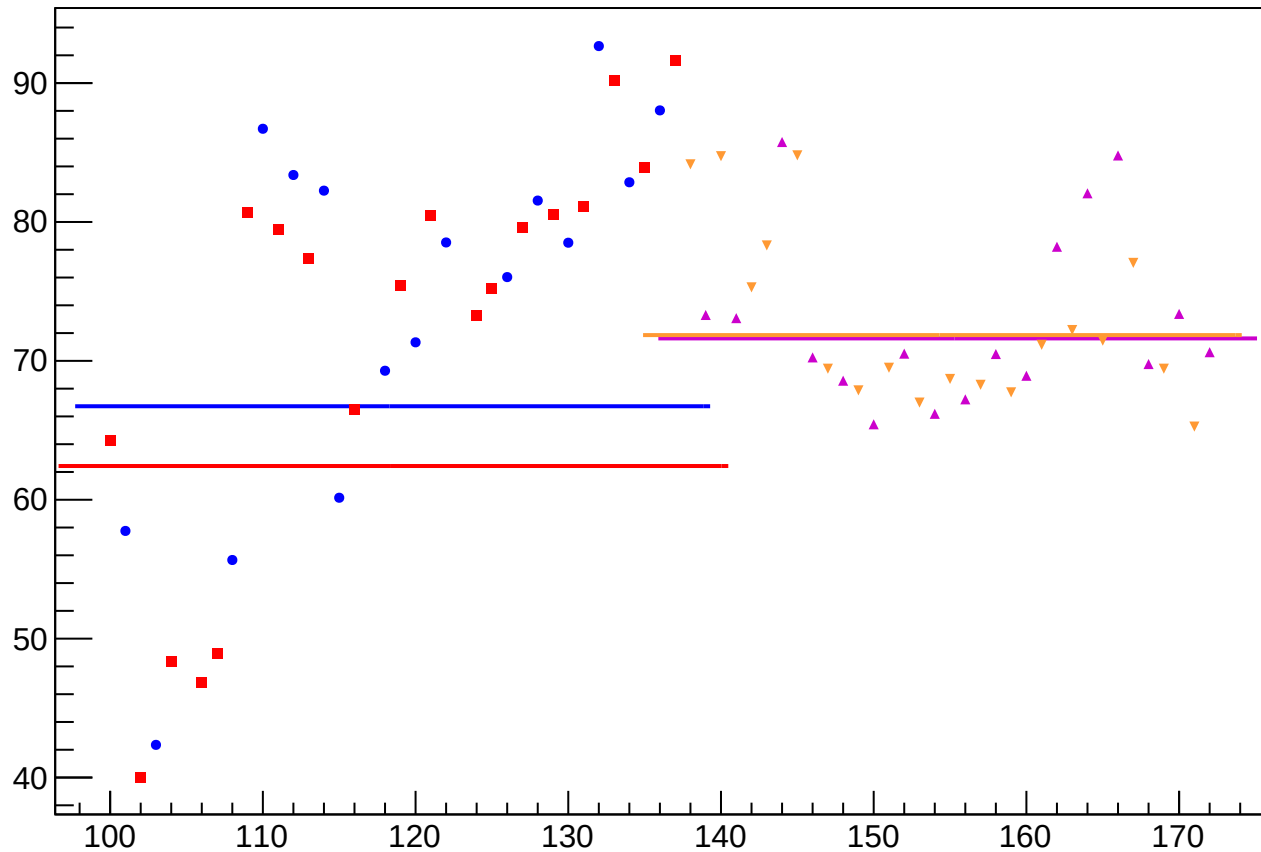
Left In: 0.048 $\pm$ 0.019 χ^2 /NDF:14.7/16

+ sign -0.001 $\pm$ 0.016 χ^2 /NDF: 31.8/33

All: 0.004 $\pm$ 0.011 χ^2 /NDF: 72.1/69

- sign 0.008 $\pm$ 0.015 χ^2 /NDF: 40.1/35

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.732 $\pm$ 0.018 χ^2 /NDF: 816752.6/15

Left Out: 71.856 $\pm$ 0.014 χ^2 /NDF: 176219.7/17

Right Out: 62.429 $\pm$ 0.017 χ^2 /NDF: 1114078.0/18

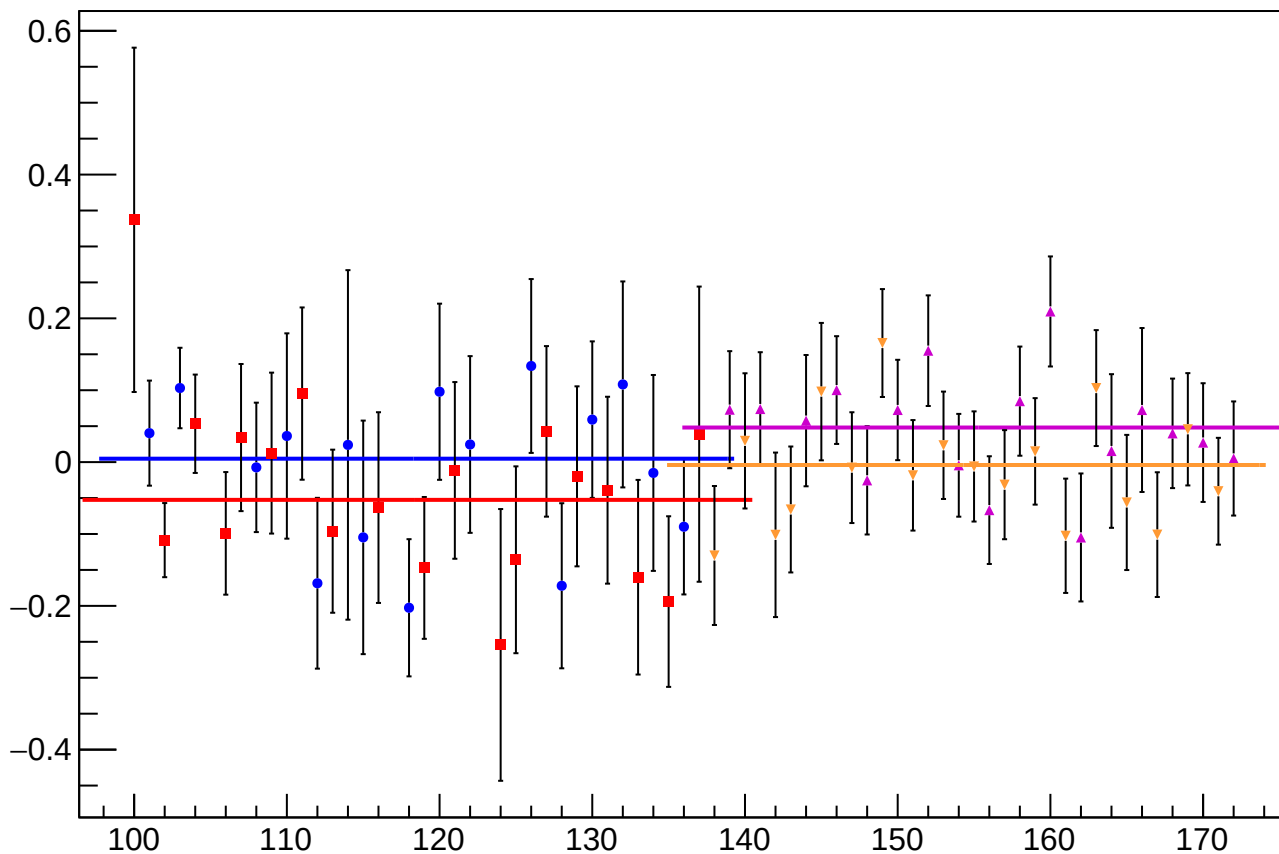
Left In: 71.616 $\pm$ 0.014 χ^2 /NDF: 149979.4/16

+ sign 70.015 $\pm$ 0.011 χ^2 /NDF: 1043126.9/33

All: 68.978 $\pm$ 0.008 χ^2 /NDF: 2500767.1/69

- sign 67.992 $\pm$ 0.011 χ^2 /NDF: 1440207.5/35

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

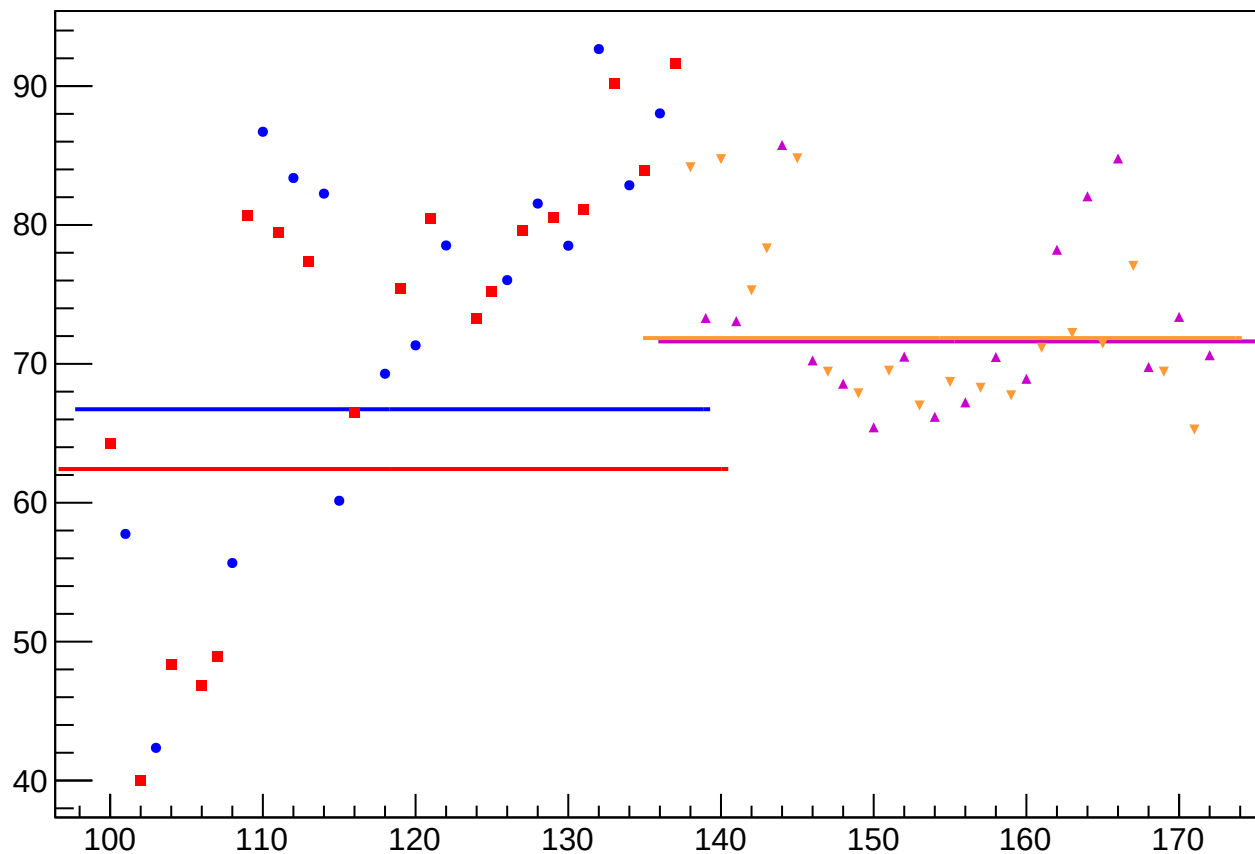
Left In: 0.048 ± 0.019 χ^2/NDF : 14.7/16

+ sign -0.001 ± 0.016 χ^2/NDF : 31.8/33

All: 0.004 ± 0.011 χ^2/NDF : 72.1/69

- sign 0.008 ± 0.015 χ^2/NDF : 40.1/35

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

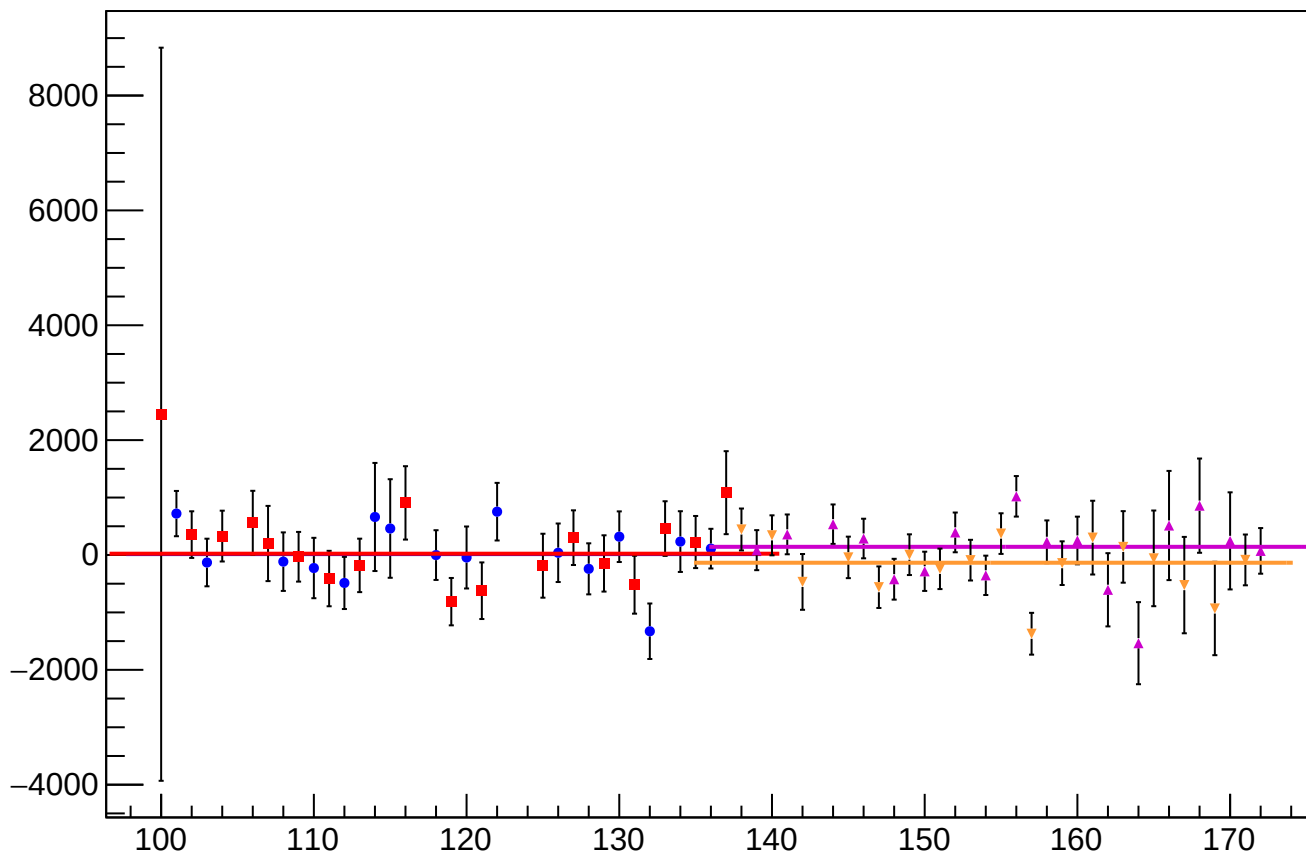
Left In: 71.616+/-0.014 χ^2/NDF : 149979.4/16

+ sign 70.015+/-0.011 χ^2/NDF : 1043126.9/33

All: 68.978+/-0.008 χ^2/NDF : 2500767.1/69

- sign 67.992+/-0.011 χ^2/NDF : 1440207.5/35

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

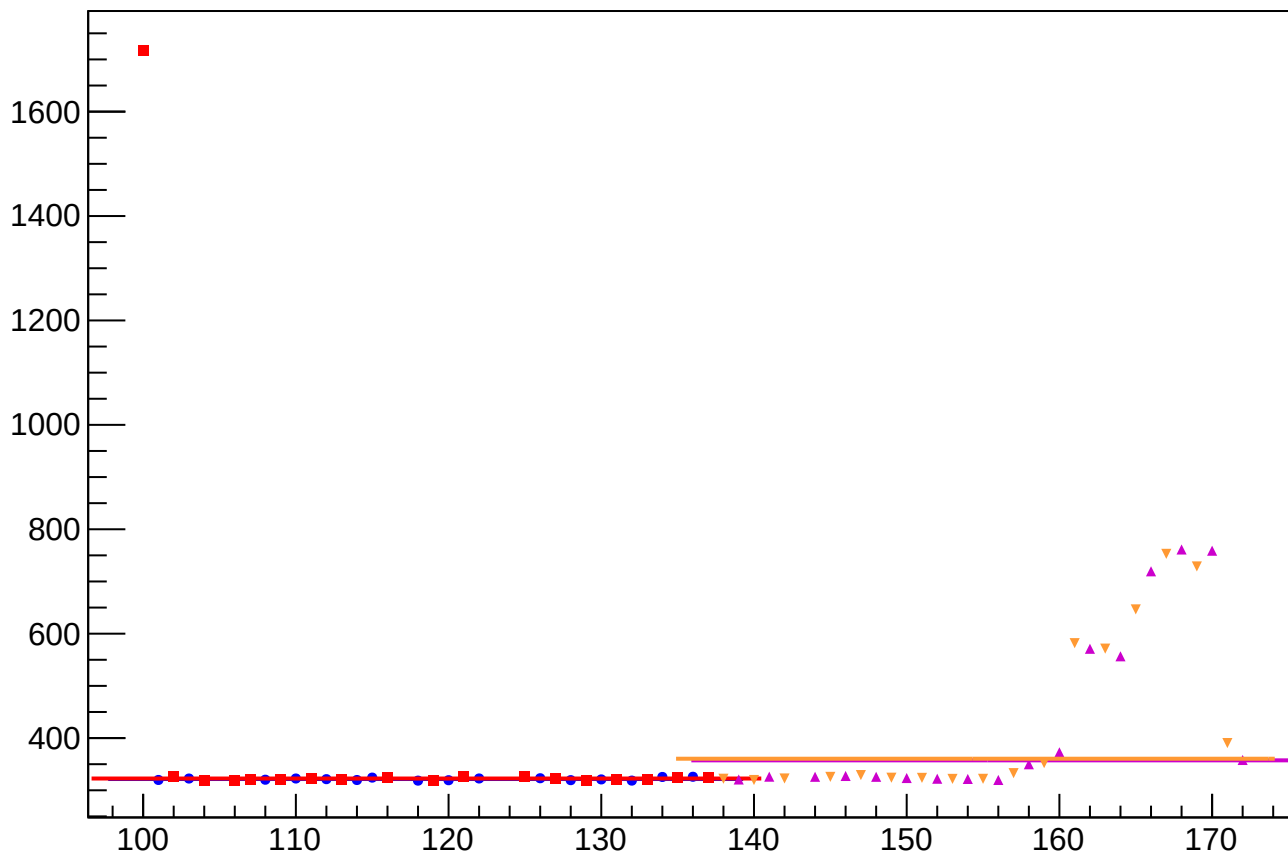
Left In: 142.096+/-98.729 χ^2/NDF : 22.8/16

+ sign -71.640+/-77.532 χ^2/NDF : 39.5/32

All: 12.432+/-54.288 χ^2/NDF : 81.2/67

- sign 93.294+/-76.038 χ^2/NDF : 39.4/34

asym_dsl_rms vs Slug



Right In: 321.604 $\pm$ 0.084 χ^2 /NDF: 822.9/15

Left Out: 360.484 $\pm$ 0.072 χ^2 /NDF:1757532.7/16

Right Out: 322.553 $\pm$ 0.084 χ^2 /NDF: 96891.9/17

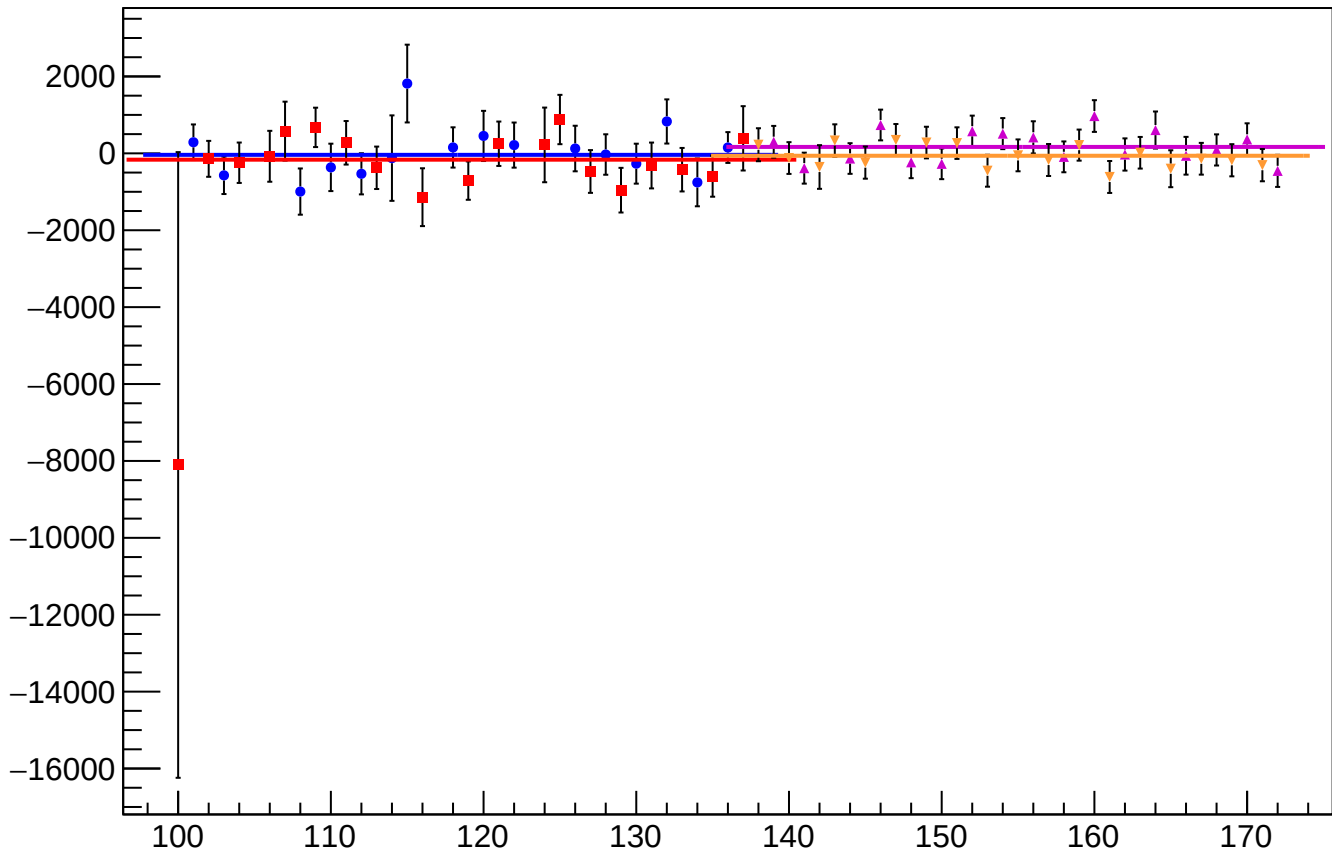
Left In: 357.366 $\pm$ 0.070 χ^2 /NDF:1780454.5/16

+ sign 344.099 $\pm$ 0.055 χ^2 /NDF: 1880989.3/32

All: 343.642 $\pm$ 0.038 χ^2 /NDF: 3859640.4/67

- sign 343.202 $\pm$ 0.054 χ^2 /NDF: 1978514.8/34

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

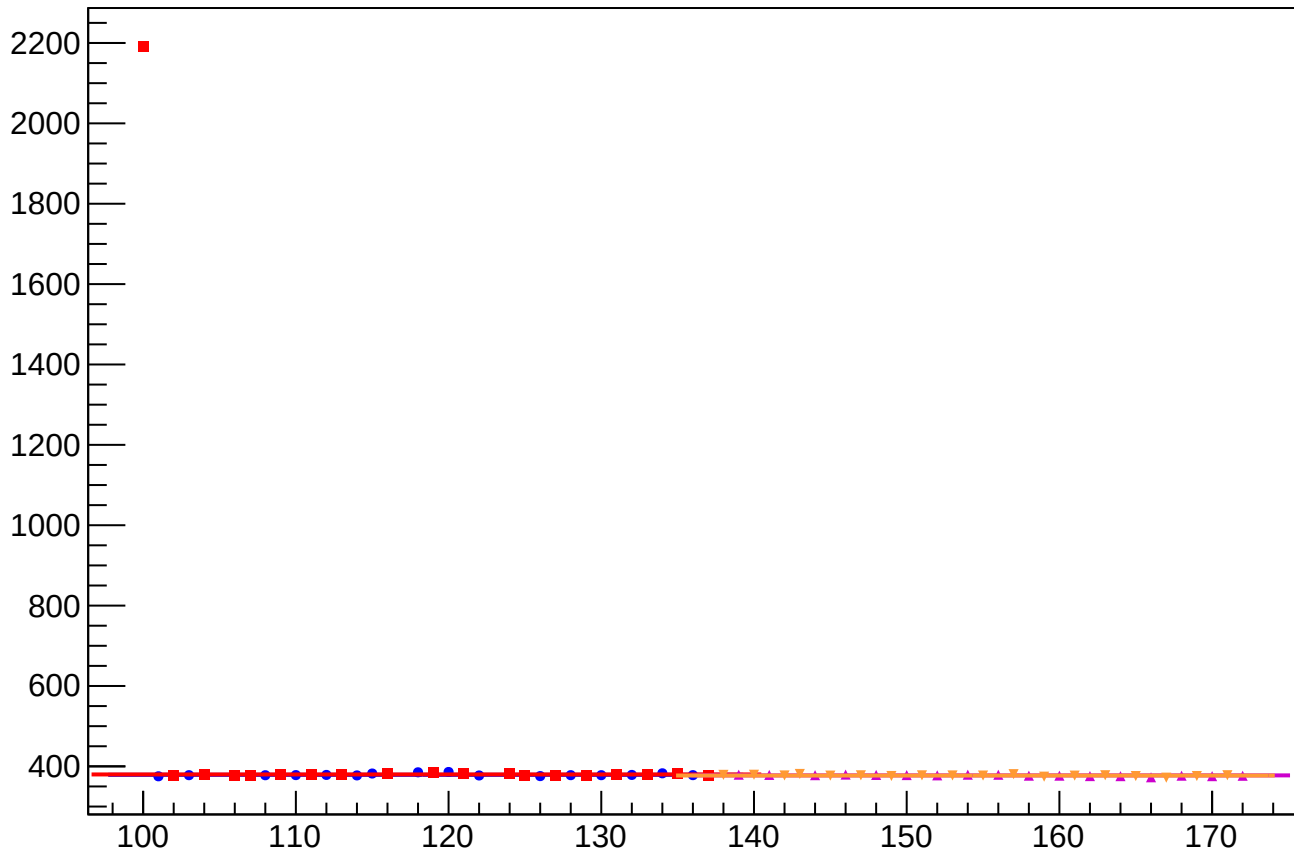
Left In: 167.056 ± 100.780 χ^2/NDF : 16.8/16

+ sign -54.694 ± 81.457 χ^2/NDF : 22.0/33

All: -1.066 ± 57.644 χ^2/NDF : 58.5/69

- sign 52.728 ± 81.584 χ^2/NDF : 35.6/35

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

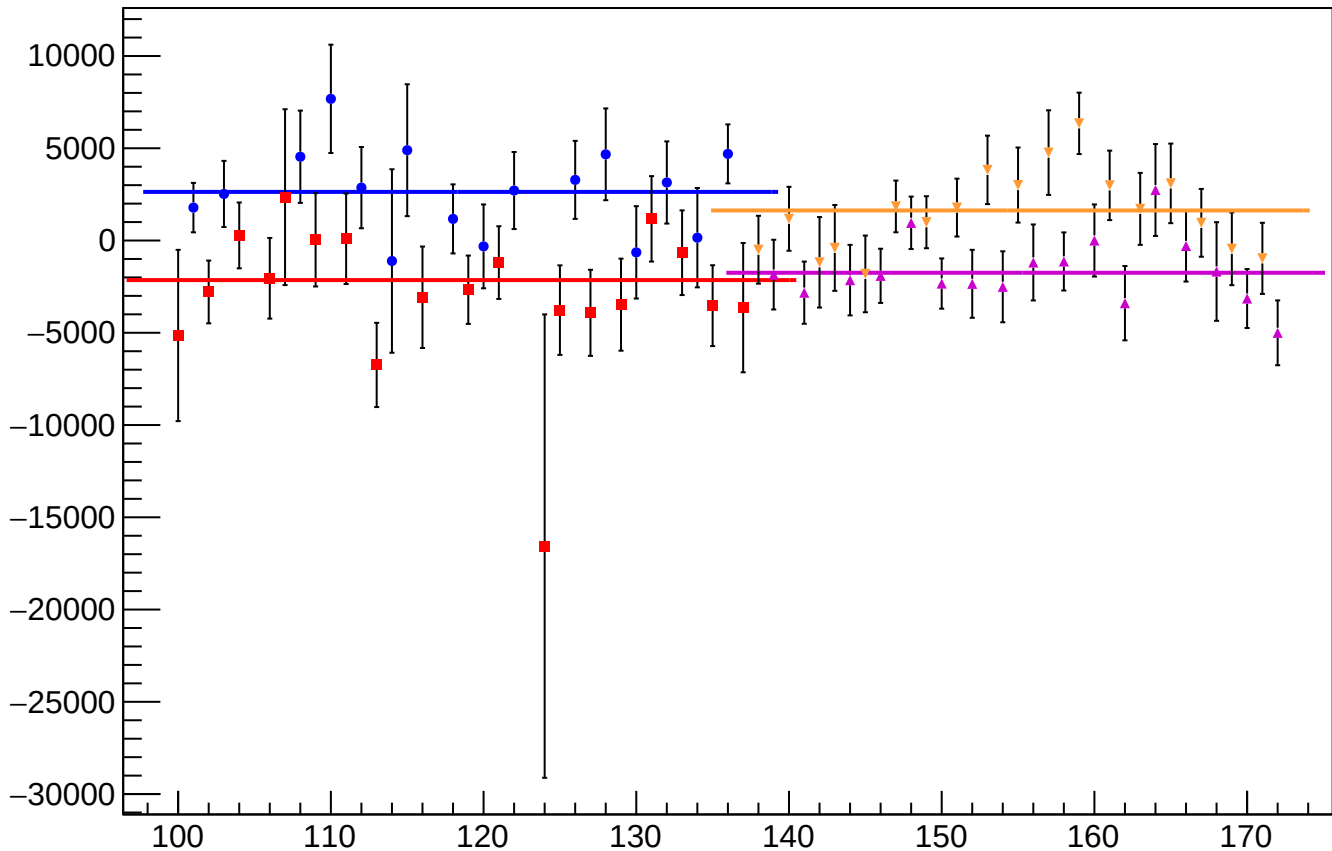
Left In: 377.537 ± 0.071 χ^2/NDF : 513.6/16

+ sign 377.784 ± 0.058 χ^2/NDF : 1925.8/33

All: 378.064 ± 0.041 χ^2/NDF : 102479.7/69

- sign 378.344 ± 0.058 χ^2/NDF : 100506.8/35

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

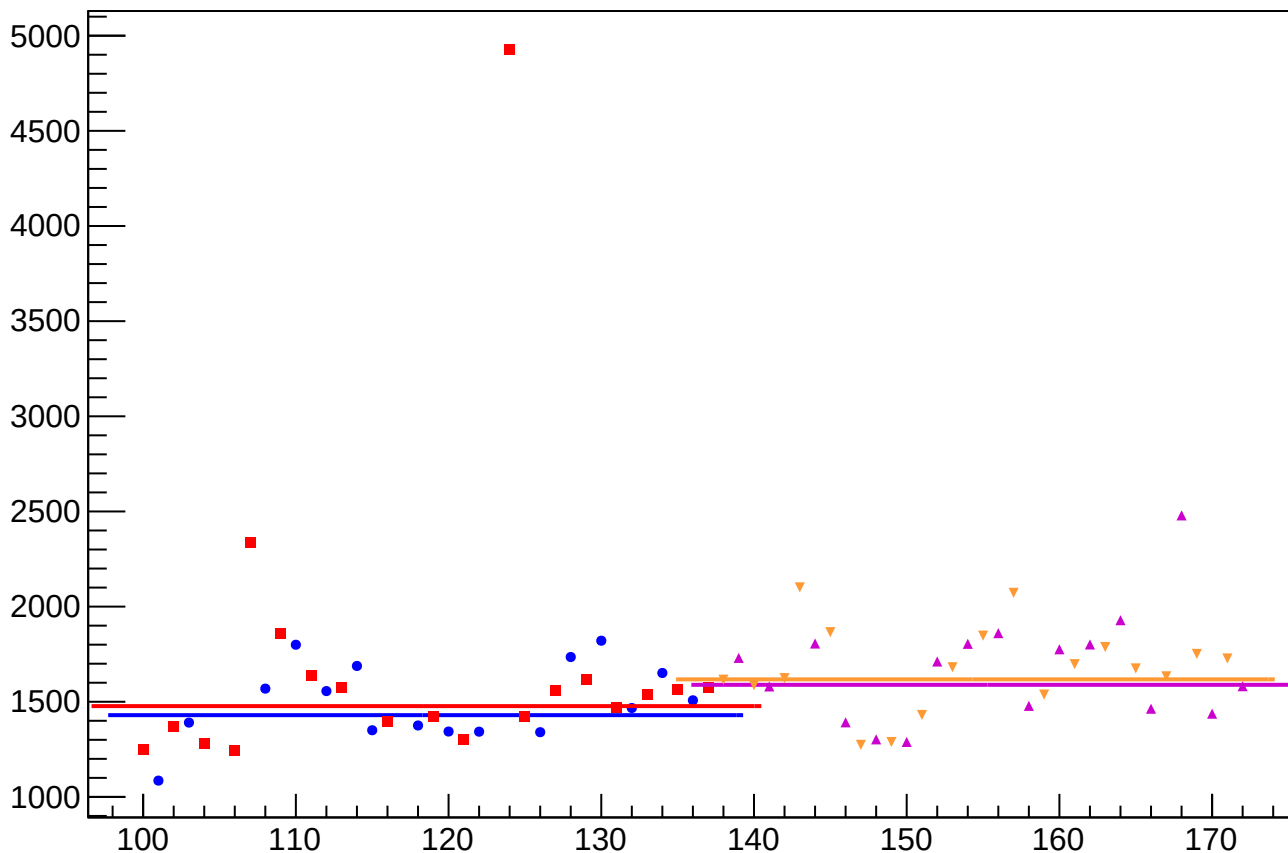
Left In: -1747.516 ± 430.261 χ^2/NDF : 14.3/16

+ sign 2026.199 ± 338.026 χ^2/NDF : 36.7/33

All: 64.291 ± 239.072 χ^2/NDF : 133.7/69

- sign -1899.292 ± 338.170 χ^2/NDF : 29.6/35

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

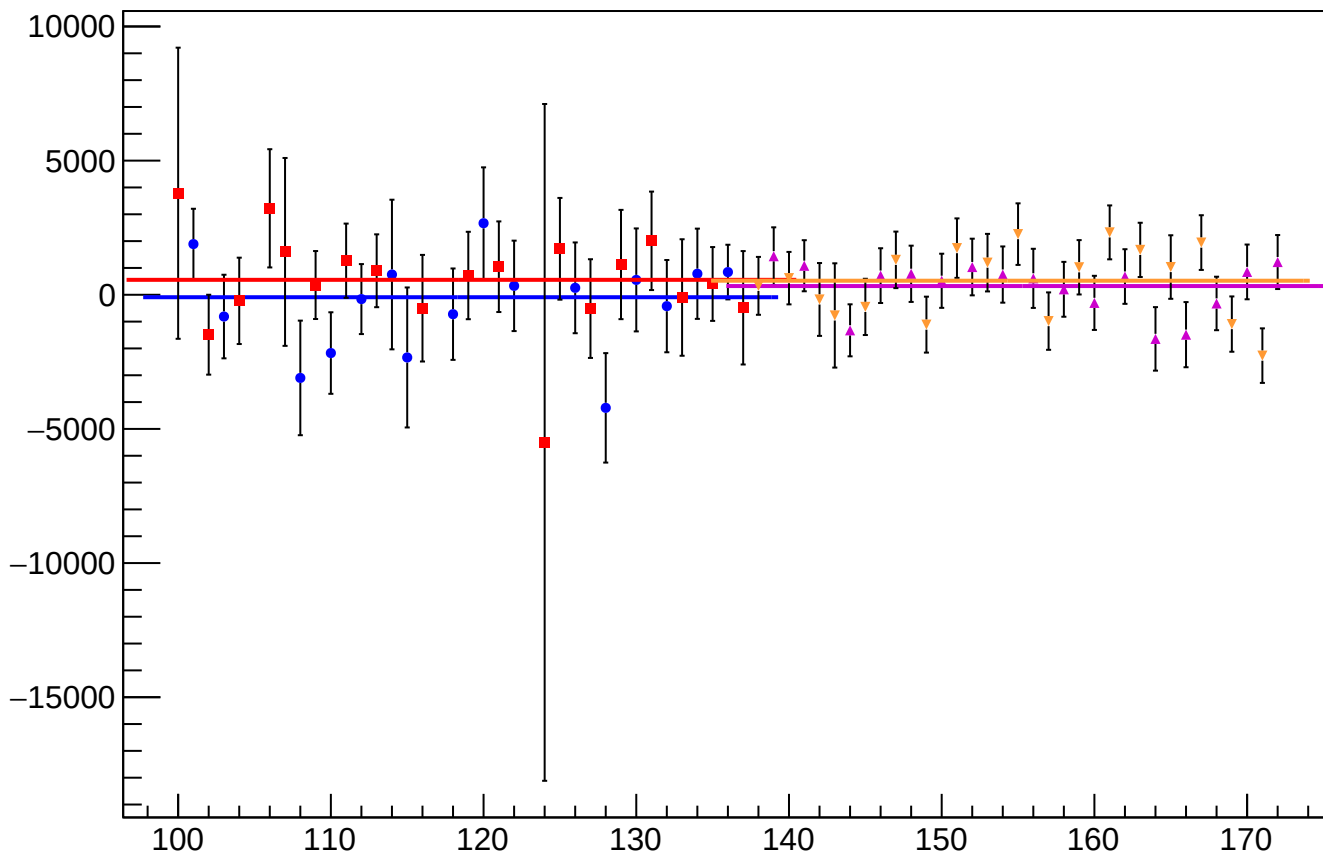
Left In: 1589.065+/-0.304 χ^2/NDF : 656263.6/16

+ sign 1543.464+/-0.239 χ^2/NDF : 962151.2/33

All: 1544.869+/-0.169 χ^2/NDF : 2039661.5/69

- sign 1546.275+/-0.239 χ^2/NDF : 1077441.2/35

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

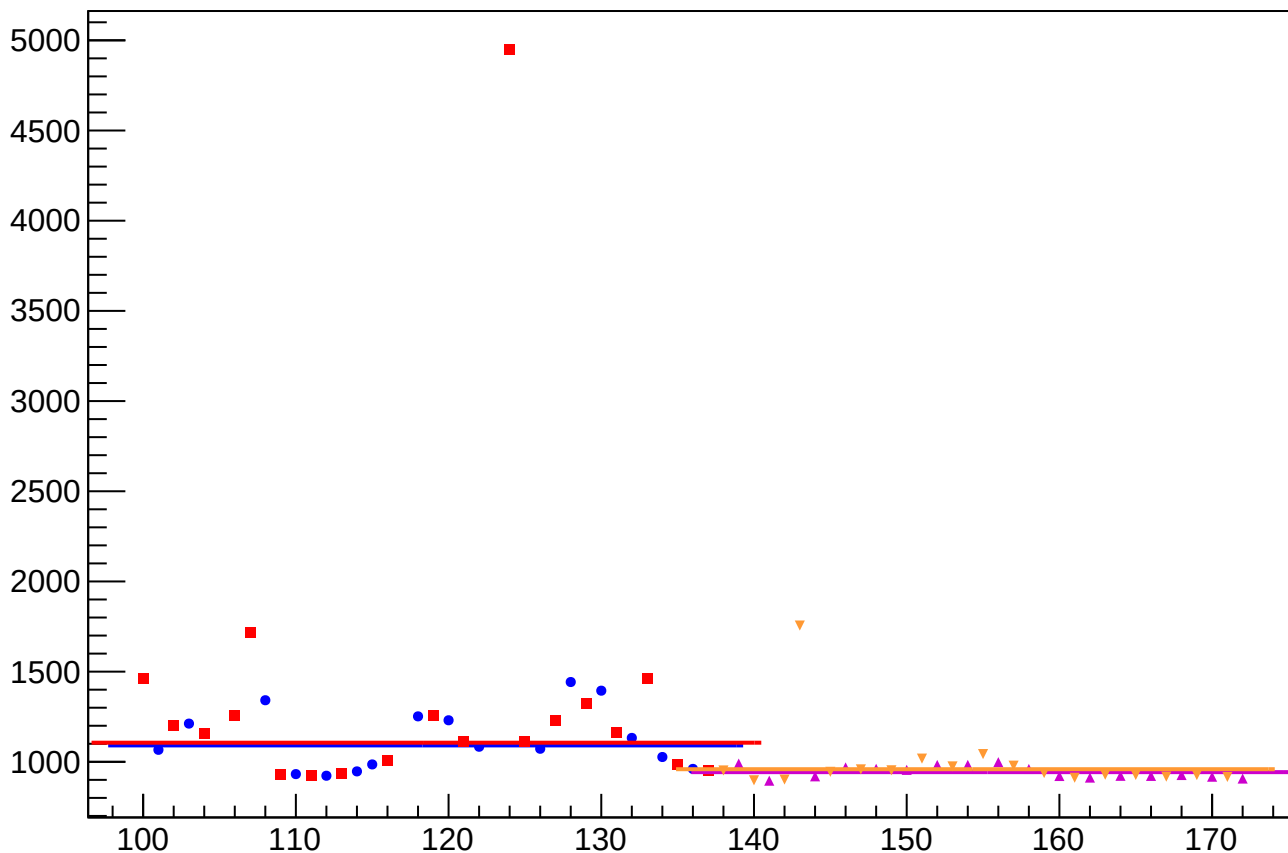
Left In: 324.936 ± 251.861 χ^2/NDF : 12.7/16

+ sign 351.600 ± 217.003 χ^2/NDF : 43.5/33

All: 370.072 ± 152.658 χ^2/NDF : 63.2/69

- sign 388.170 ± 214.796 χ^2/NDF : 19.6/35

asym_us_agg_dd_rms vs Slug



Right In: 1091.041 $\pm$ 0.290 χ^2 /NDF: 277304.9/15

Left Out: 959.077 $\pm$ 0.181 χ^2 /NDF: 382799.9/17

Right Out: 1106.046 $\pm$ 0.291 χ^2 /NDF: 514097.9/18

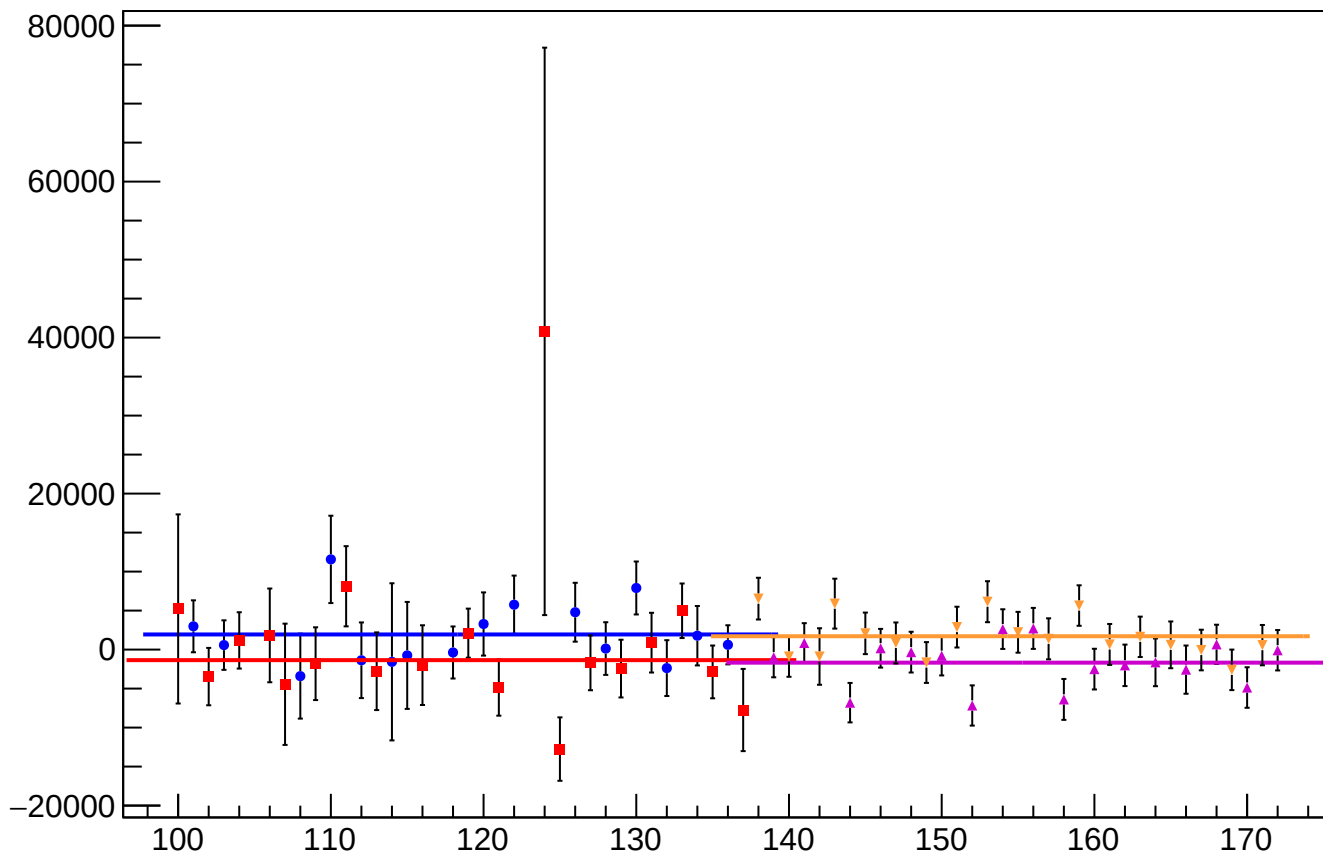
Left In: 942.831 $\pm$ 0.178 χ^2 /NDF: 31741.5/16

+ sign 996.053 $\pm$ 0.153 χ^2 /NDF: 809274.0/33

All: 991.649 $\pm$ 0.108 χ^2 /NDF: 1585758.8/69

- sign 987.335 $\pm$ 0.152 χ^2 /NDF: 774854.7/35

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

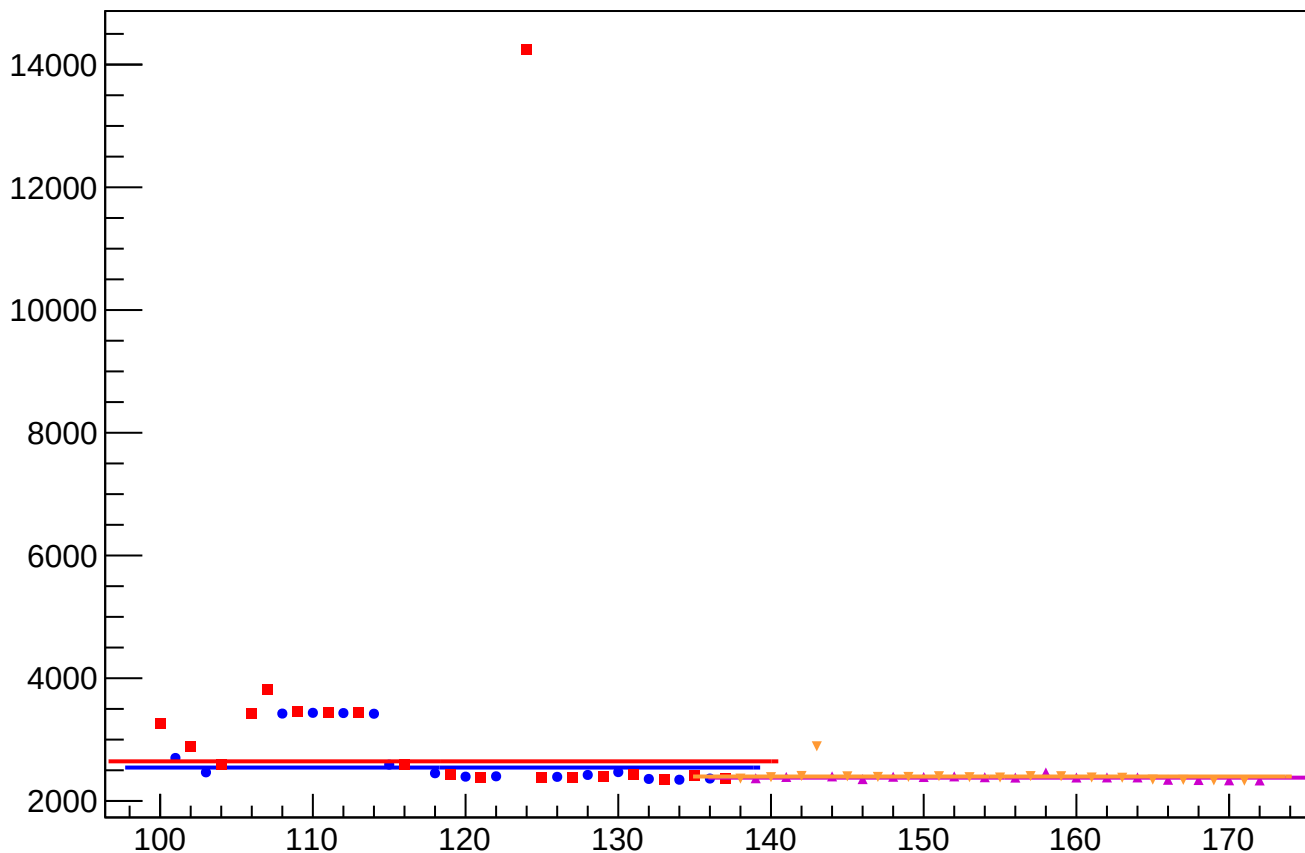
Left In: -1676.774 ± 635.256 χ^2/NDF : 22.5/16

+ sign 1781.510 ± 528.769 χ^2/NDF : 29.6/33

All: 116.023 ± 375.690 χ^2/NDF : 94.0/69

- sign -1581.806 ± 533.878 χ^2/NDF : 44.3/35

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

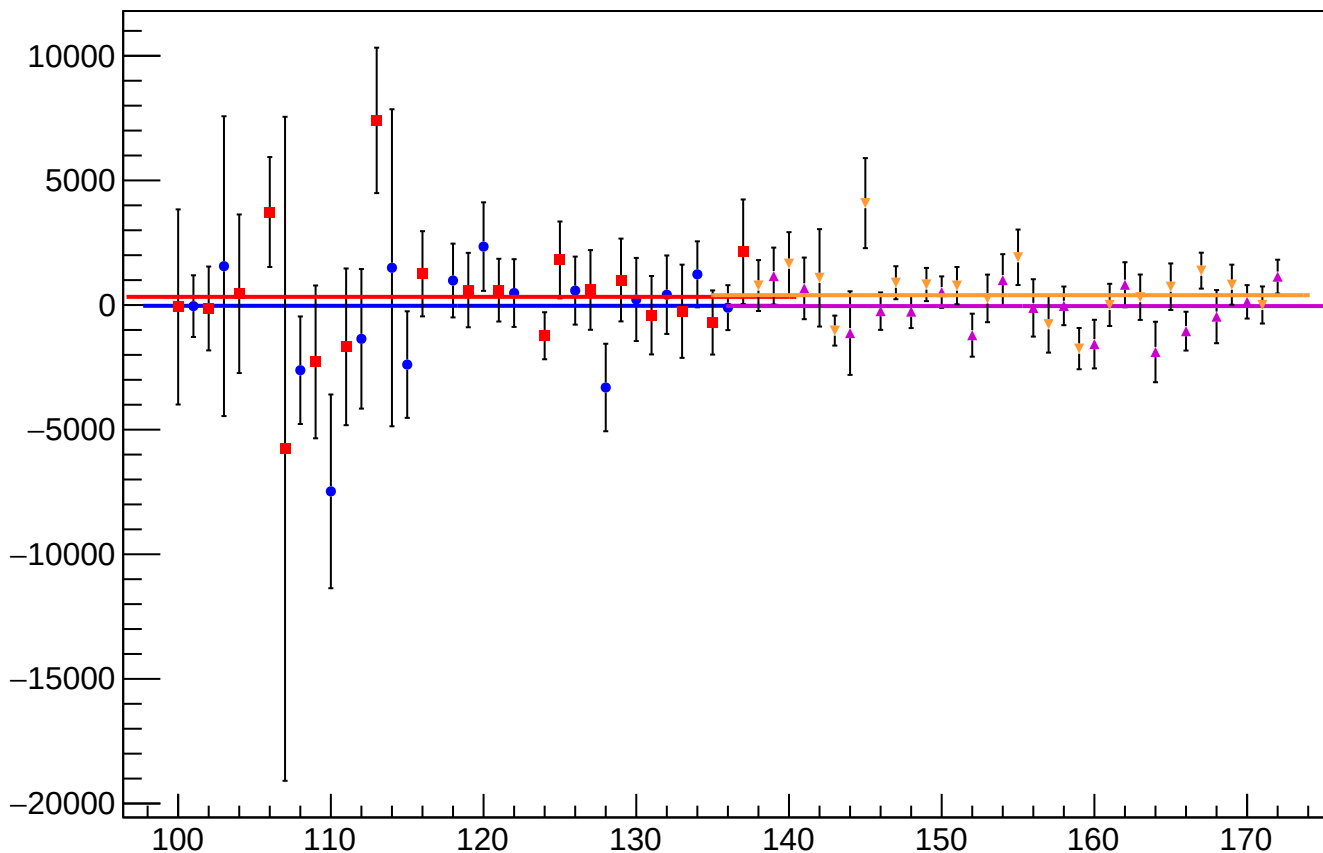
Left In: 2379.713+/-0.449 χ^2/NDF : 4569.8/16

+ sign 2443.415+/-0.374 χ^2/NDF : 310200.4/33

All: 2450.547+/-0.266 χ^2/NDF : 955410.9/69

- sign 2457.818+/-0.378 χ^2/NDF : 644475.8/35

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

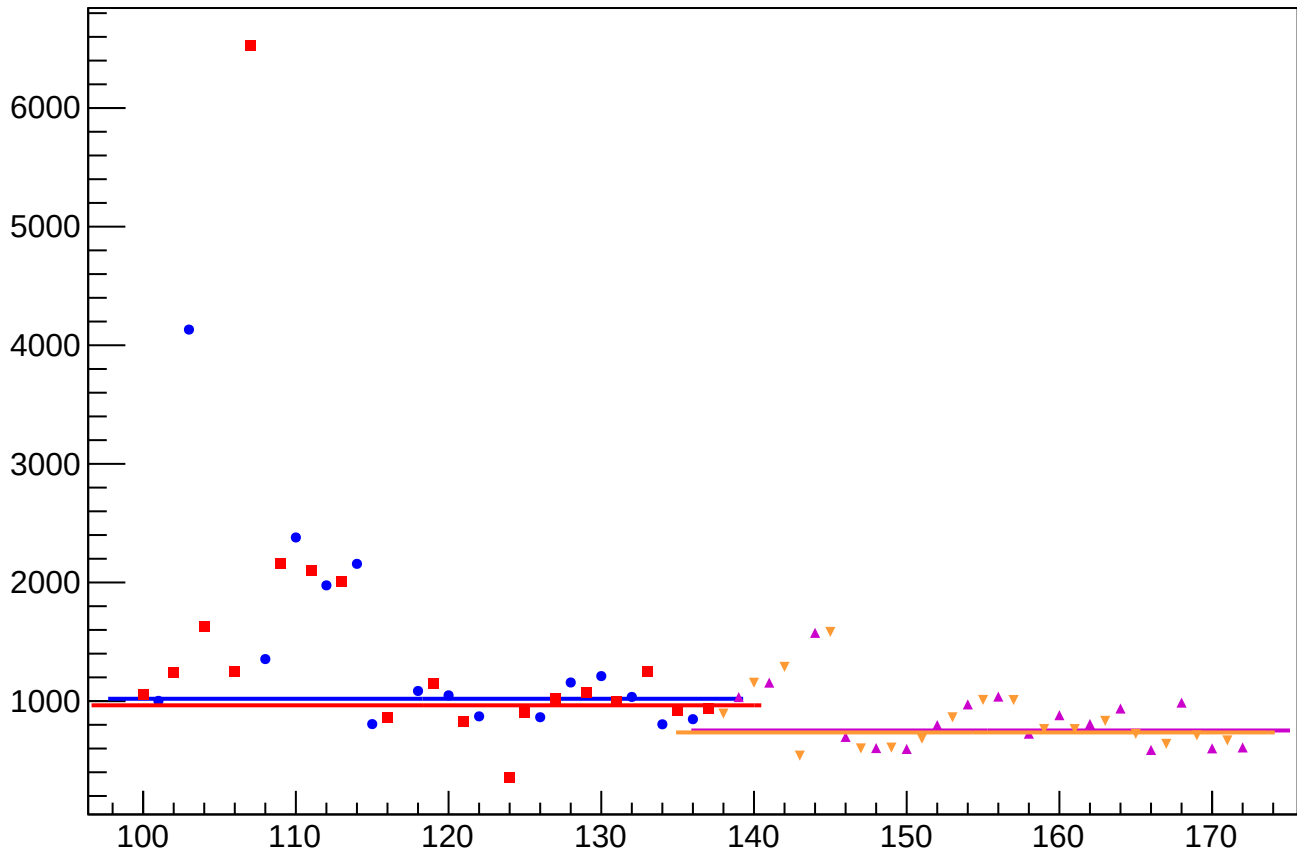
Left In: -41.858 ± 208.907 χ^2/NDF : 16.2/16

+ sign 309.654 ± 181.134 χ^2/NDF : 39.3/33

All: 176.695 ± 129.437 χ^2/NDF : 73.0/69

- sign 37.955 ± 185.031 χ^2/NDF : 32.6/35

asym_atl1_reg_correction_rms vs Slug



Right In: 1019.523 ± 0.287 $\chi^2/\text{NDF}: 1364745.9/15$

Left Out: 735.687 ± 0.143 $\chi^2/\text{NDF}: 1599642.7/17$

Right Out: 964.379 ± 0.282 $\chi^2/\text{NDF}: 2309359.3/18$

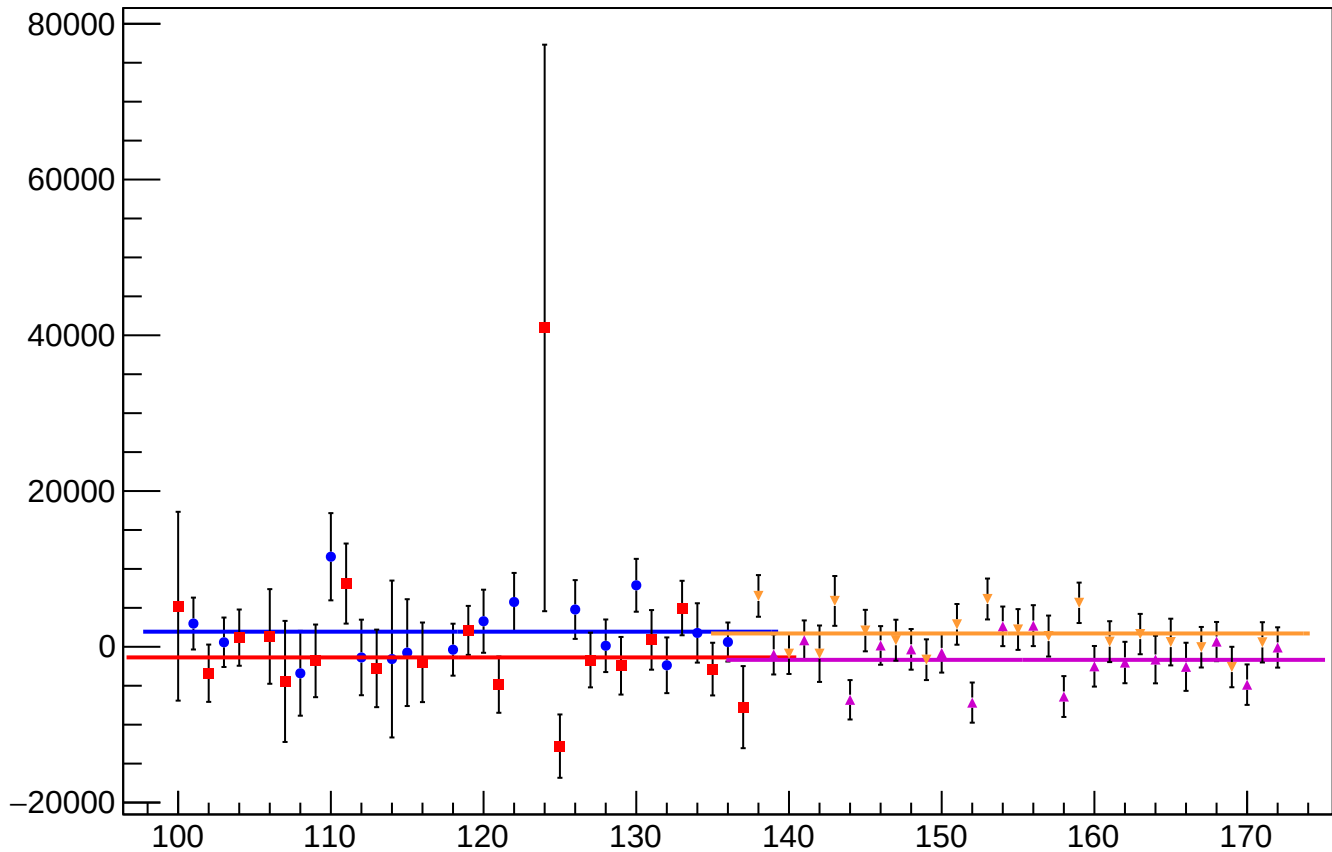
Left In: 752.284 ± 0.148 $\chi^2/\text{NDF}: 1734187.2/16$

+ sign 792.259 ± 0.128 $\chi^2/\text{NDF}: 3748111.2/33$

All: 795.066 ± 0.092 $\chi^2/\text{NDF}: 8236929.8/69$

- sign 797.995 ± 0.131 $\chi^2/\text{NDF}: 4487837.1/35$

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

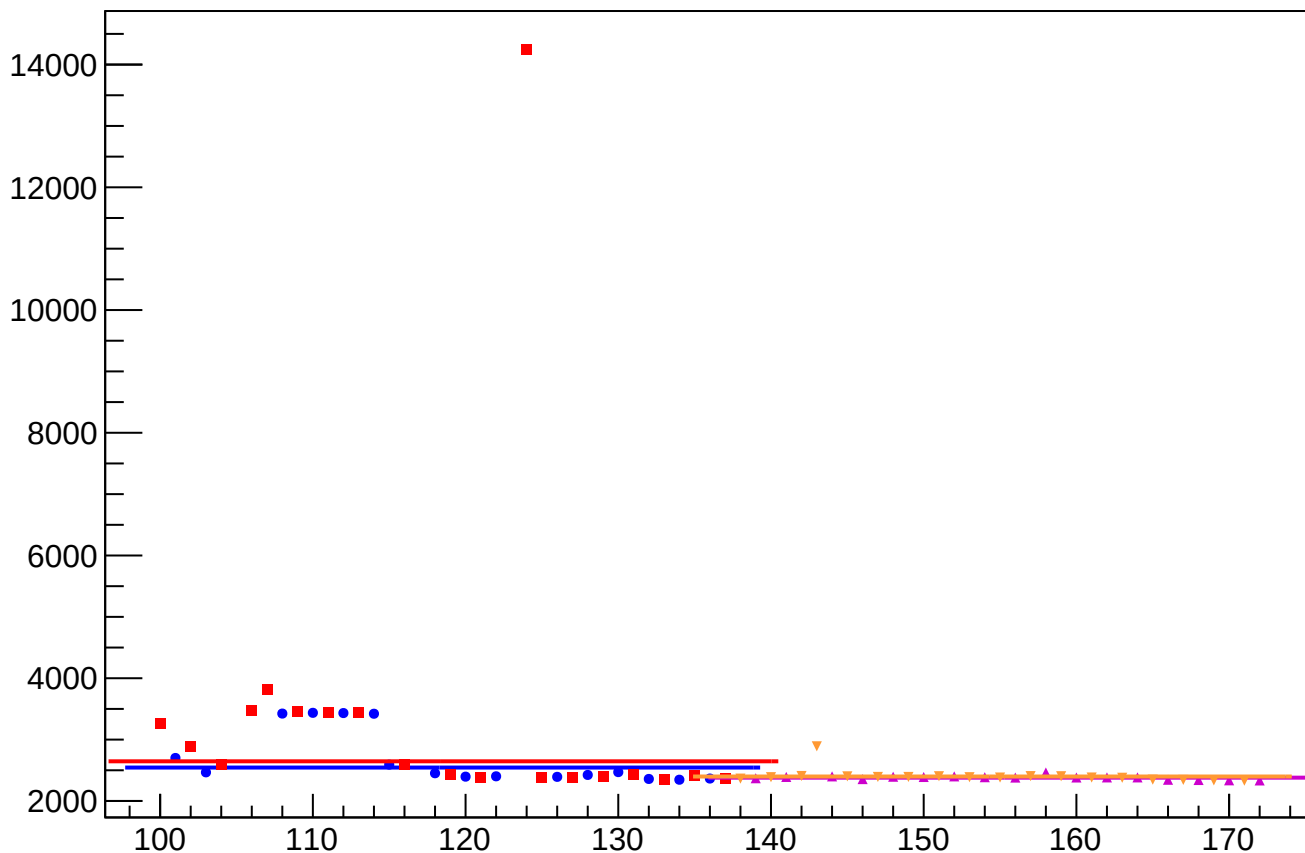
Left In: -1676.805 ± 635.256 χ^2/NDF : 22.5/16

+ sign 1781.599 ± 528.769 χ^2/NDF : 29.6/33

All: 114.783 ± 375.706 χ^2/NDF : 94.0/69

- sign -1584.705 ± 533.926 χ^2/NDF : 44.2/35

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

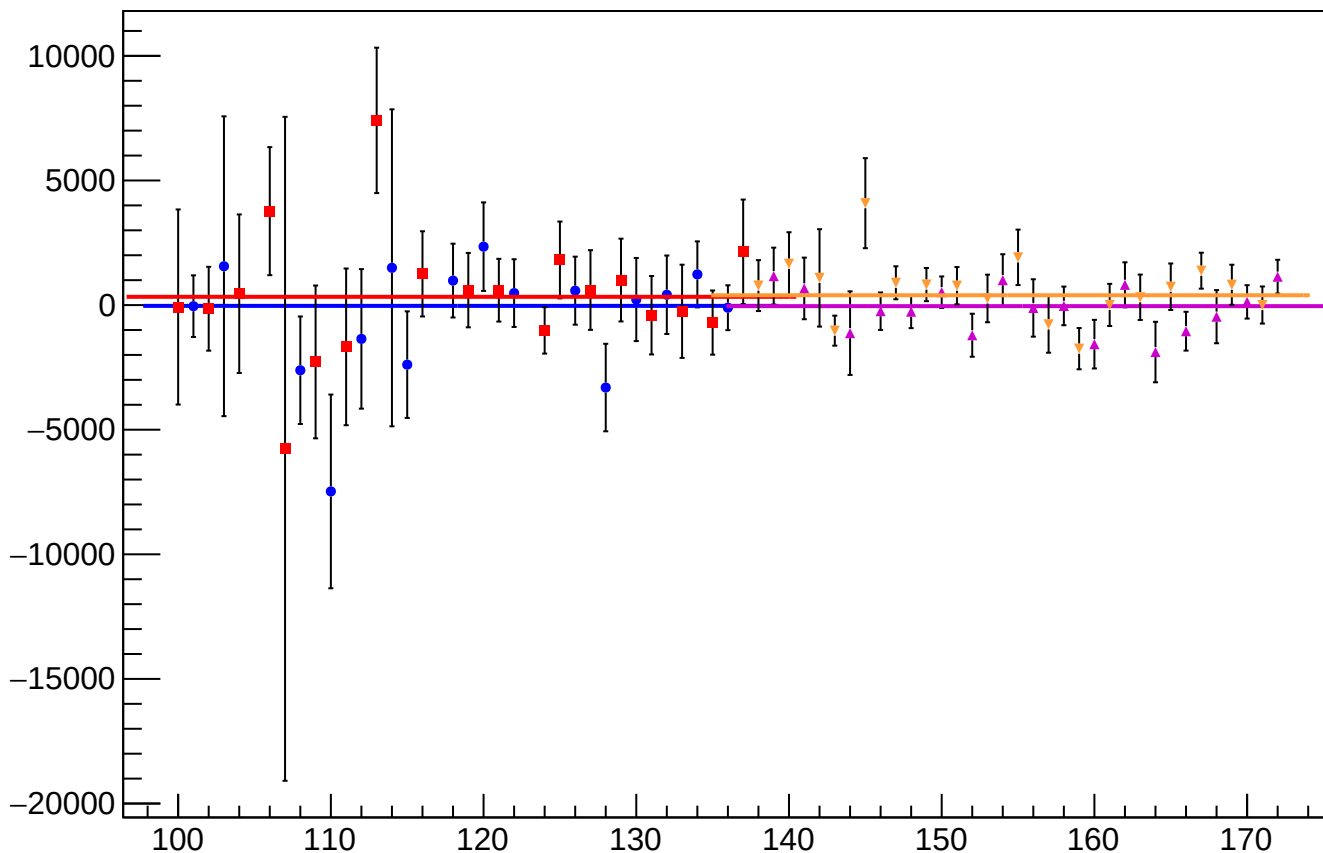
Left In: 2379.713+/-0.449 χ^2/NDF : 4569.8/16

+ sign 2443.415+/-0.374 χ^2/NDF : 310200.4/33

All: 2450.611+/-0.266 χ^2/NDF : 958392.3/69

- sign 2457.948+/-0.378 χ^2/NDF : 647443.9/35

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

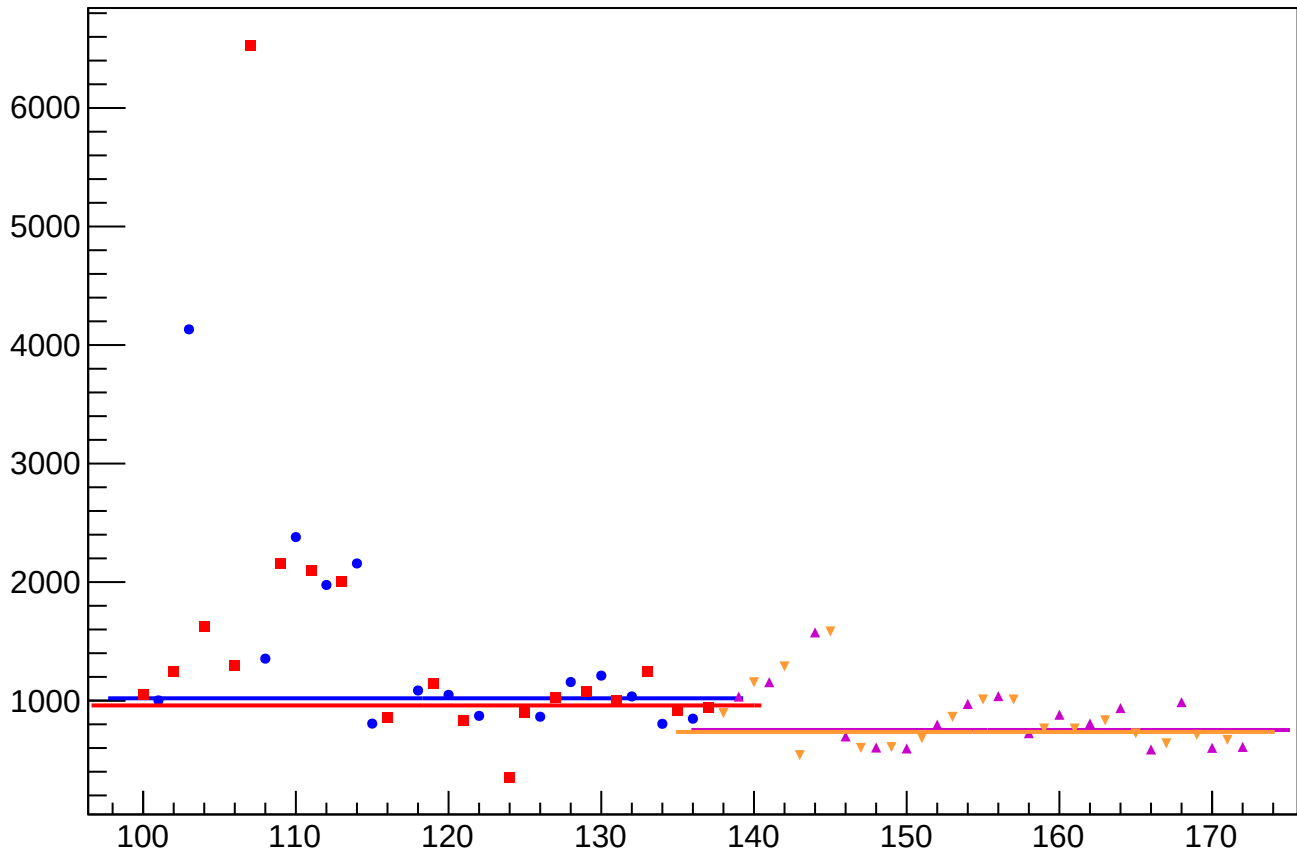
Left In: -41.917 ± 208.907 χ^2/NDF : 16.2/16

+ sign 309.616 ± 181.135 χ^2/NDF : 39.3/33

All: 176.958 ± 129.463 χ^2/NDF : 71.8/69

- sign 38.418 ± 185.107 χ^2/NDF : 31.3/35

asym_atl1_cor_correction_rms vs Slug



Right In: 1019.514 $\pm$ 0.287 χ^2 /NDF: 1364741.0/15

Left Out: 735.693 $\pm$ 0.143 χ^2 /NDF: 1599660.6/17

Right Out: 959.344 $\pm$ 0.282 χ^2 /NDF: 2344434.8/18

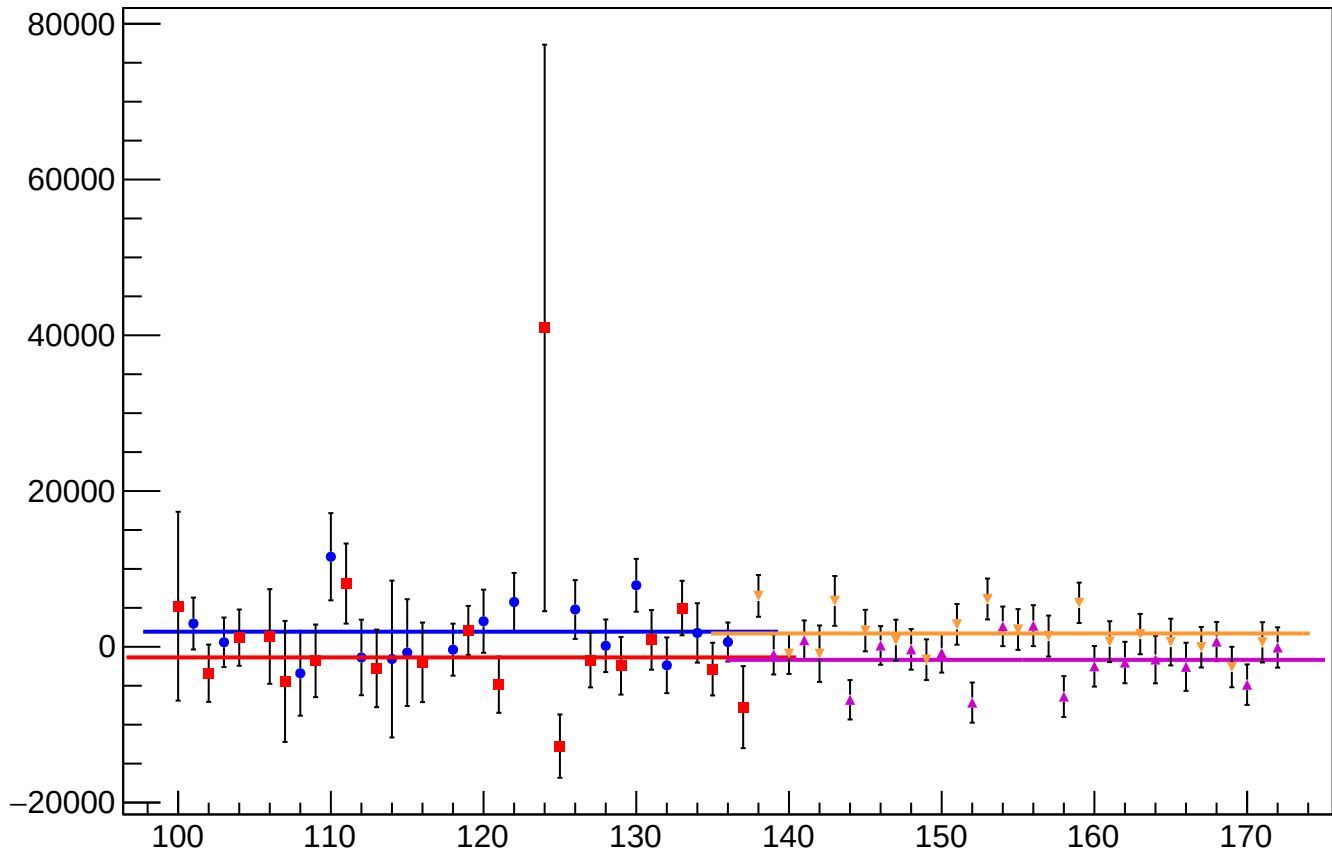
Left In: 752.283 $\pm$ 0.148 χ^2 /NDF: 1734351.8/16

+ sign 792.264 $\pm$ 0.128 χ^2 /NDF: 3748045.7/33

All: 794.470 $\pm$ 0.092 χ^2 /NDF: 8249617.6/69

- sign 796.774 $\pm$ 0.131 χ^2 /NDF: 4500965.4/35

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

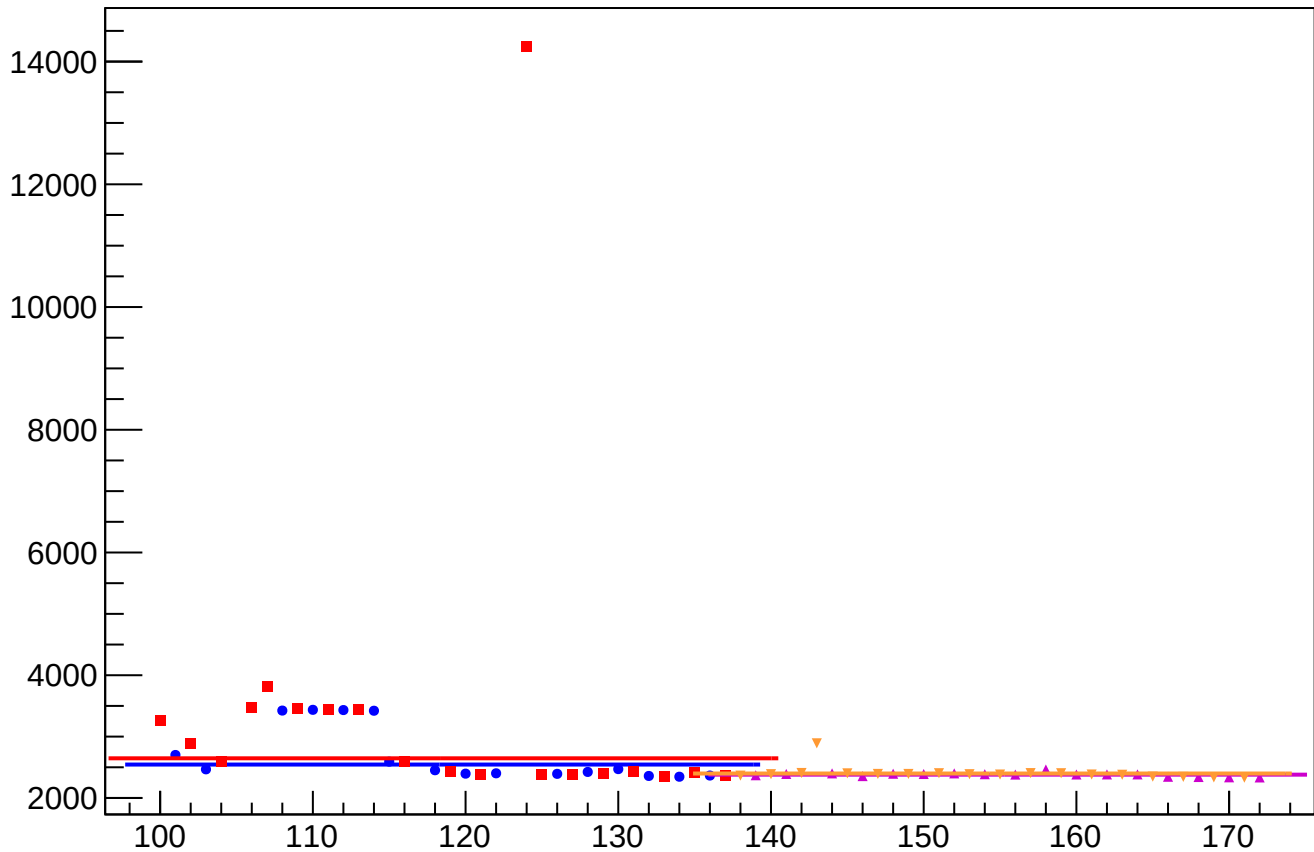
Left In: -1676.805 ± 635.256 χ^2/NDF : 22.5/16

+ sign 1781.599 ± 528.769 χ^2/NDF : 29.6/33

All: 114.783 ± 375.706 χ^2/NDF : 94.0/69

- sign -1584.705 ± 533.926 χ^2/NDF : 44.2/35

eigen_cor_asym_atl1_rms vs Slug



Right In: 2544.416 $\pm$ 0.674 χ^2 /NDF: 225614.0/15

Left Out: 2398.429 $\pm$ 0.450 χ^2 /NDF: 52084.8/17

Right Out: 2646.203 $\pm$ 0.697 χ^2 /NDF: 539546.8/18

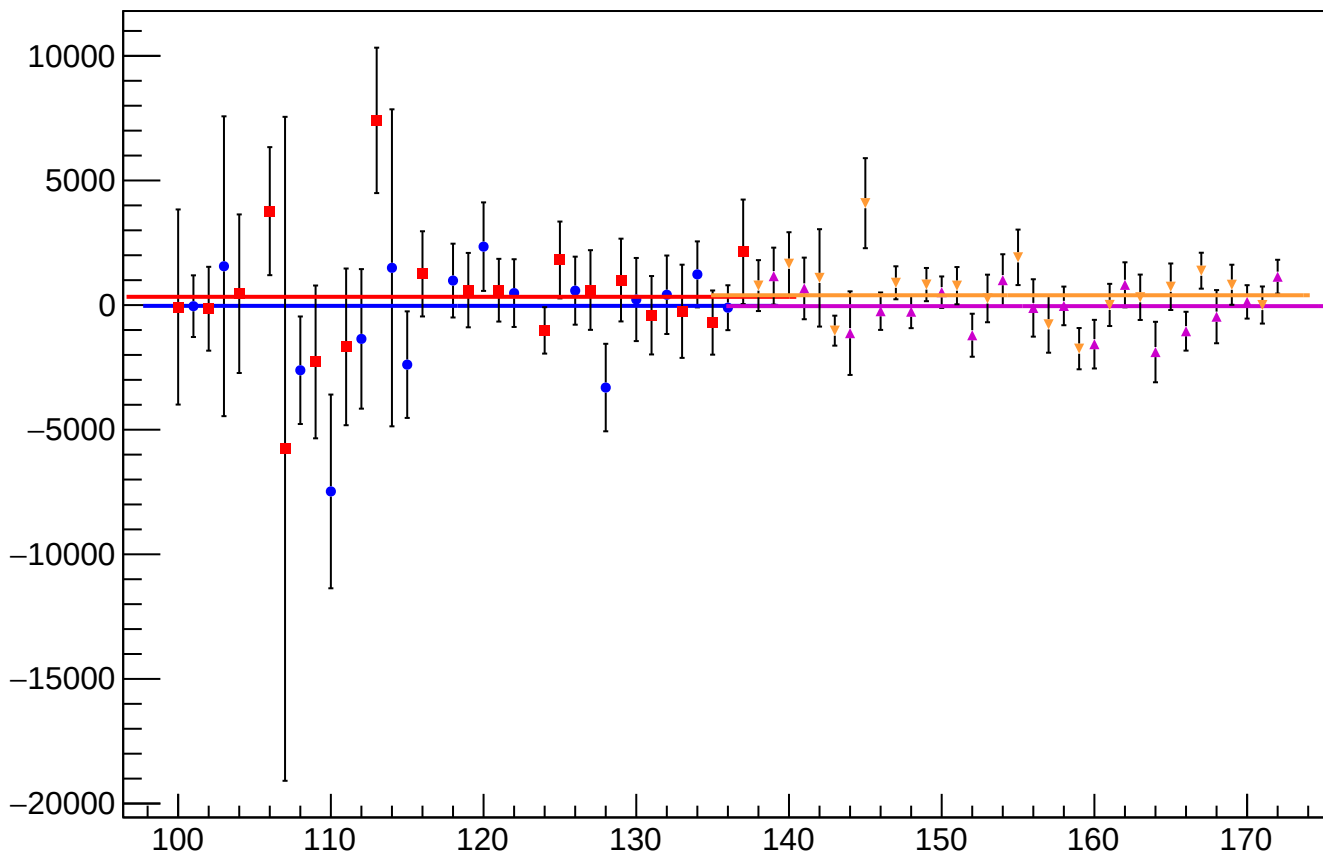
Left In: 2379.713 $\pm$ 0.449 χ^2 /NDF: 4569.8/16

+ sign 2443.415 $\pm$ 0.374 χ^2 /NDF: 310200.4/33

All: 2450.611 $\pm$ 0.266 χ^2 /NDF: 958392.3/69

- sign 2457.948 $\pm$ 0.378 χ^2 /NDF: 647443.9/35

asym_atl1_eigen_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

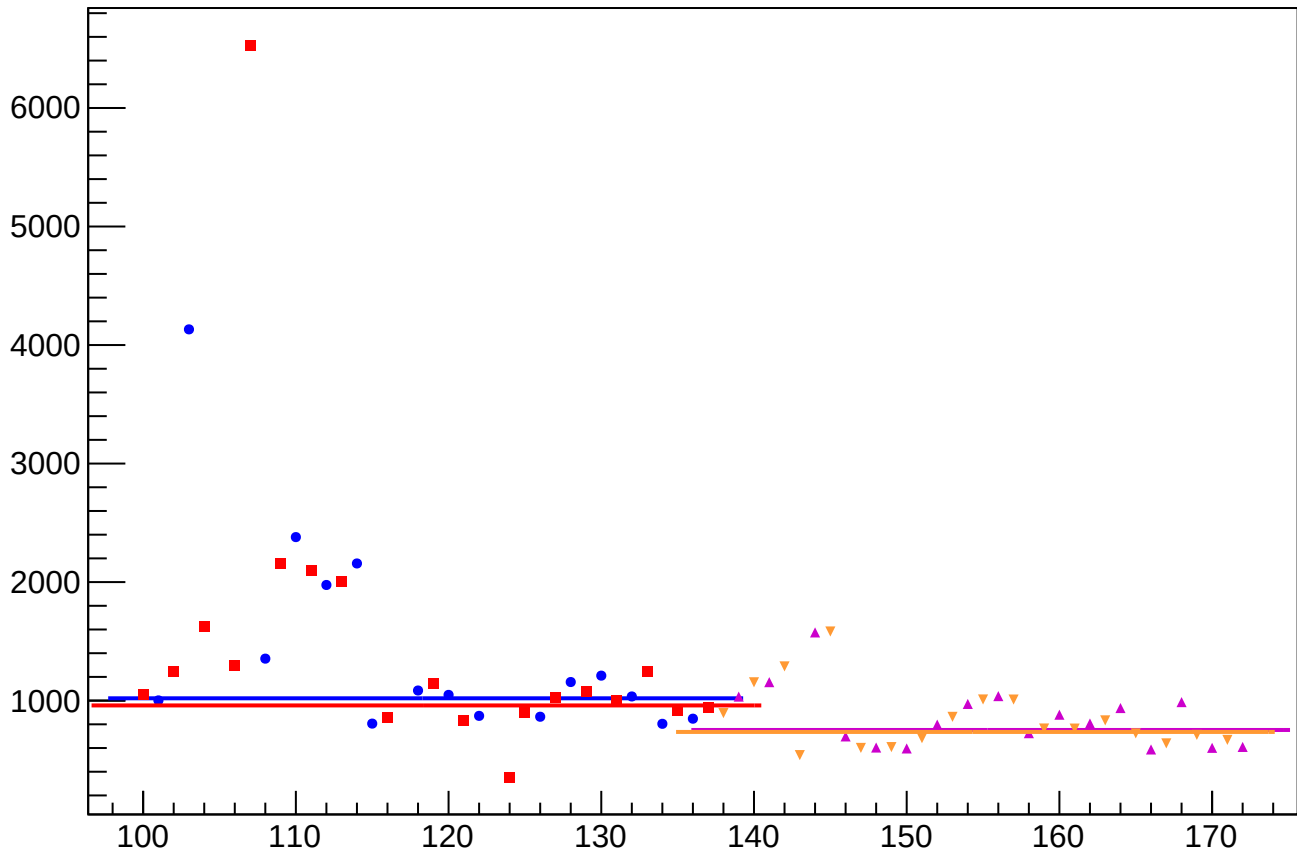
Left In: -41.917 ± 208.907 χ^2/NDF : 16.2/16

+ sign 309.616 ± 181.135 χ^2/NDF : 39.3/33

All: 176.958 ± 129.463 χ^2/NDF : 71.8/69

- sign 38.418 ± 185.107 χ^2/NDF : 31.3/35

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

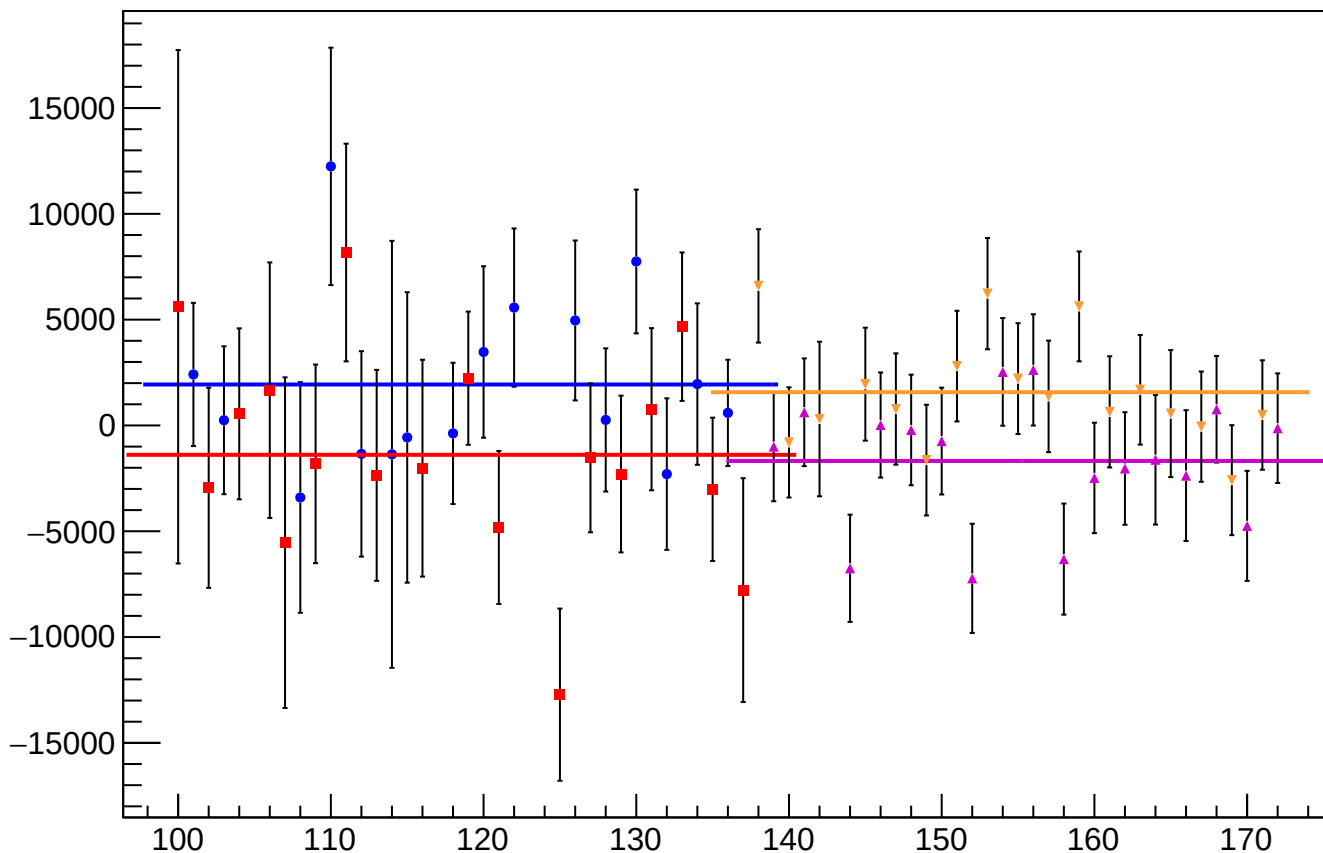
Left In: 752.283+/-0.148 χ^2/NDF : 1734351.8/16

+ sign 792.264+/-0.128 χ^2/NDF : 3748045.7/33

All: 794.470+/-0.092 χ^2/NDF : 8249617.6/69

- sign 796.774+/-0.131 χ^2/NDF : 4500965.4/35

dit_asym_atl1_mean vs Slug



Right In: 1935.992 $\pm$ 962.322 χ^2 /NDF: 12.4/15

Left Out: 1571.205 $\pm$ 649.403 χ^2 /NDF:15.3/16

Right Out: -1387.548 $\pm$ 1009.105 χ^2 /NDF: 19.8/17

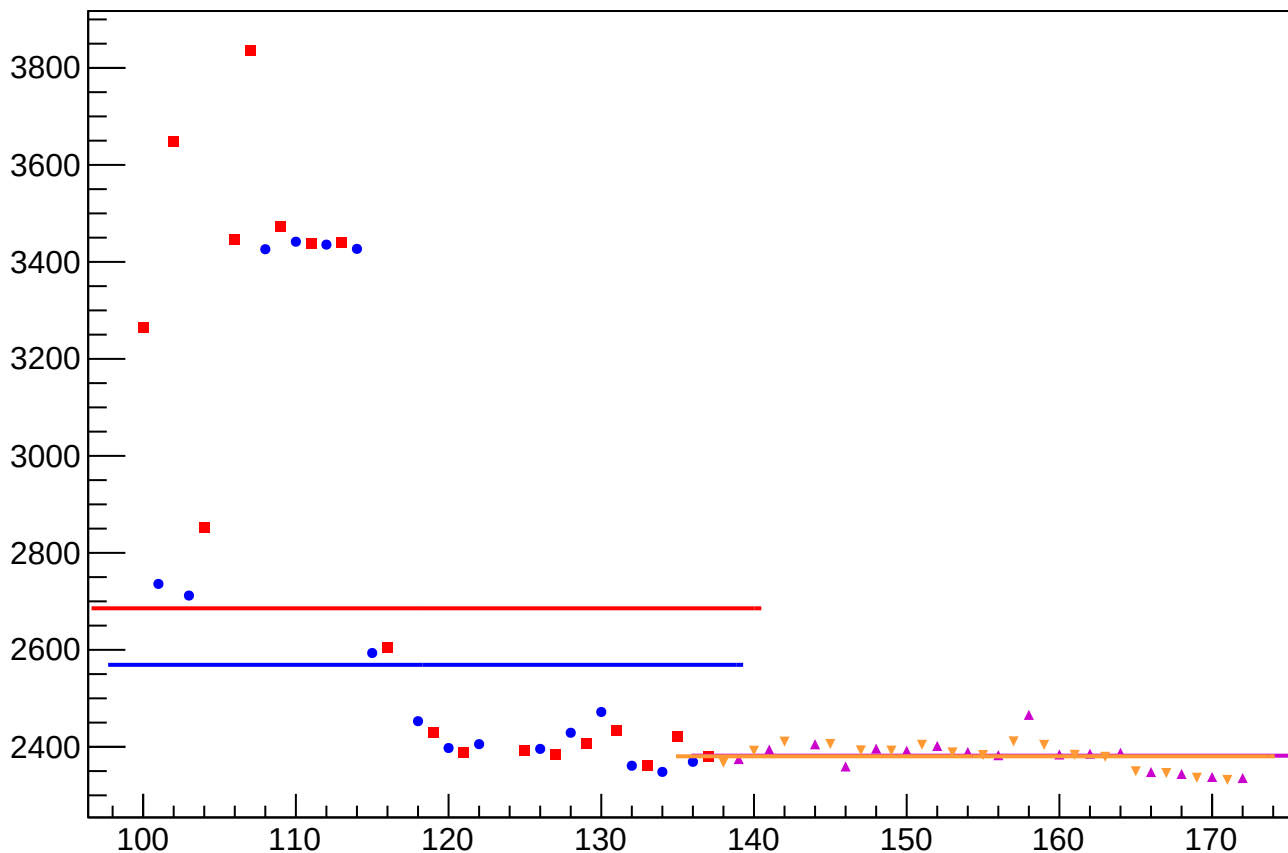
Left In: -1678.772 $\pm$ 635.815 χ^2 /NDF:21.8/16

+ sign 1685.347 $\pm$ 538.299 χ^2 /NDF: 27.8/32

All: 43.568 $\pm$ 380.508 χ^2 /NDF: 88.0/67

- sign -1596.012 $\pm$ 537.939 χ^2 /NDF: 41.6/34

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

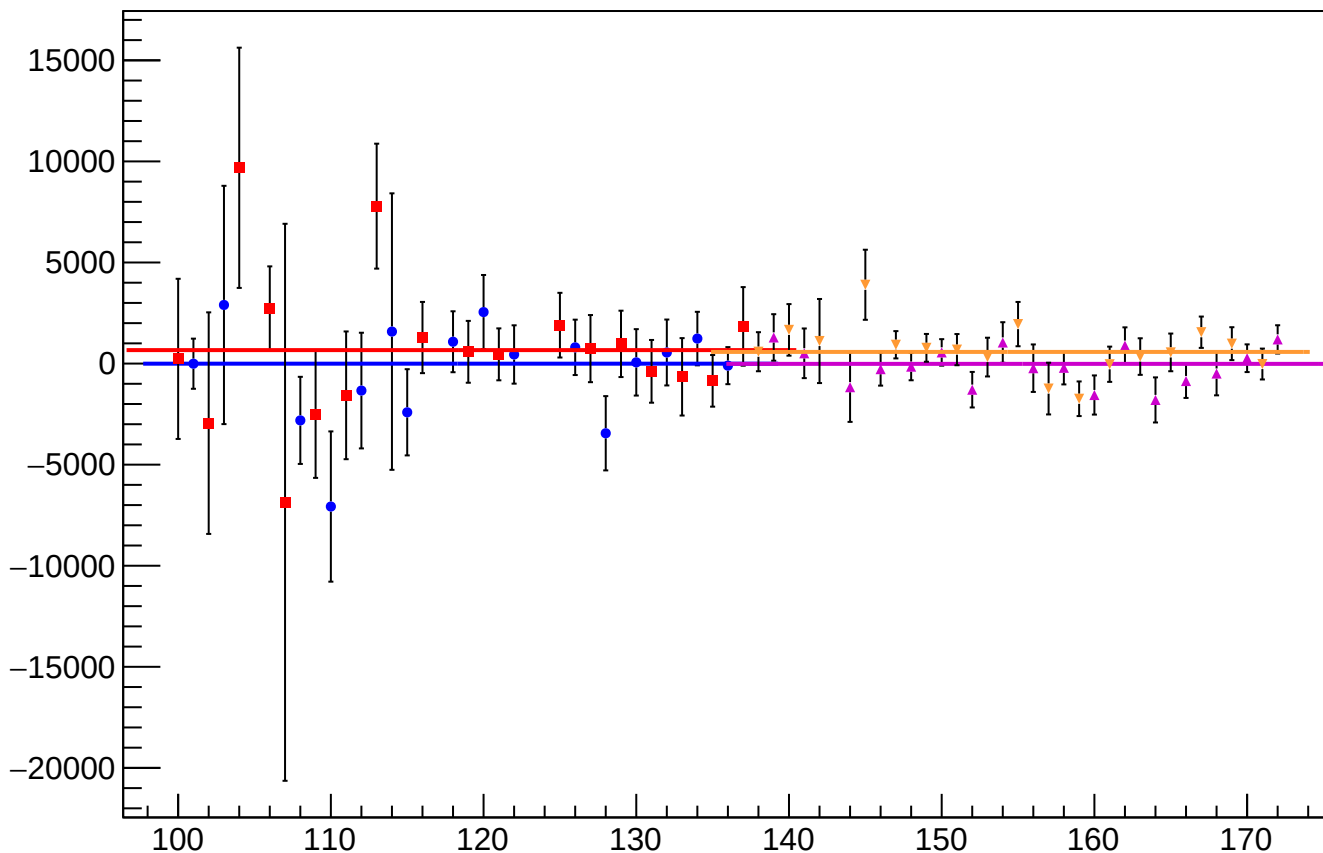
Left In: 2381.796+/-0.450 χ^2/NDF : 4585.3/16

+ sign 2439.503+/-0.381 χ^2/NDF : 285264.1/32

All: 2453.837+/-0.269 χ^2/NDF : 841774.5/67

- sign 2468.152+/-0.380 χ^2/NDF : 553676.1/34

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

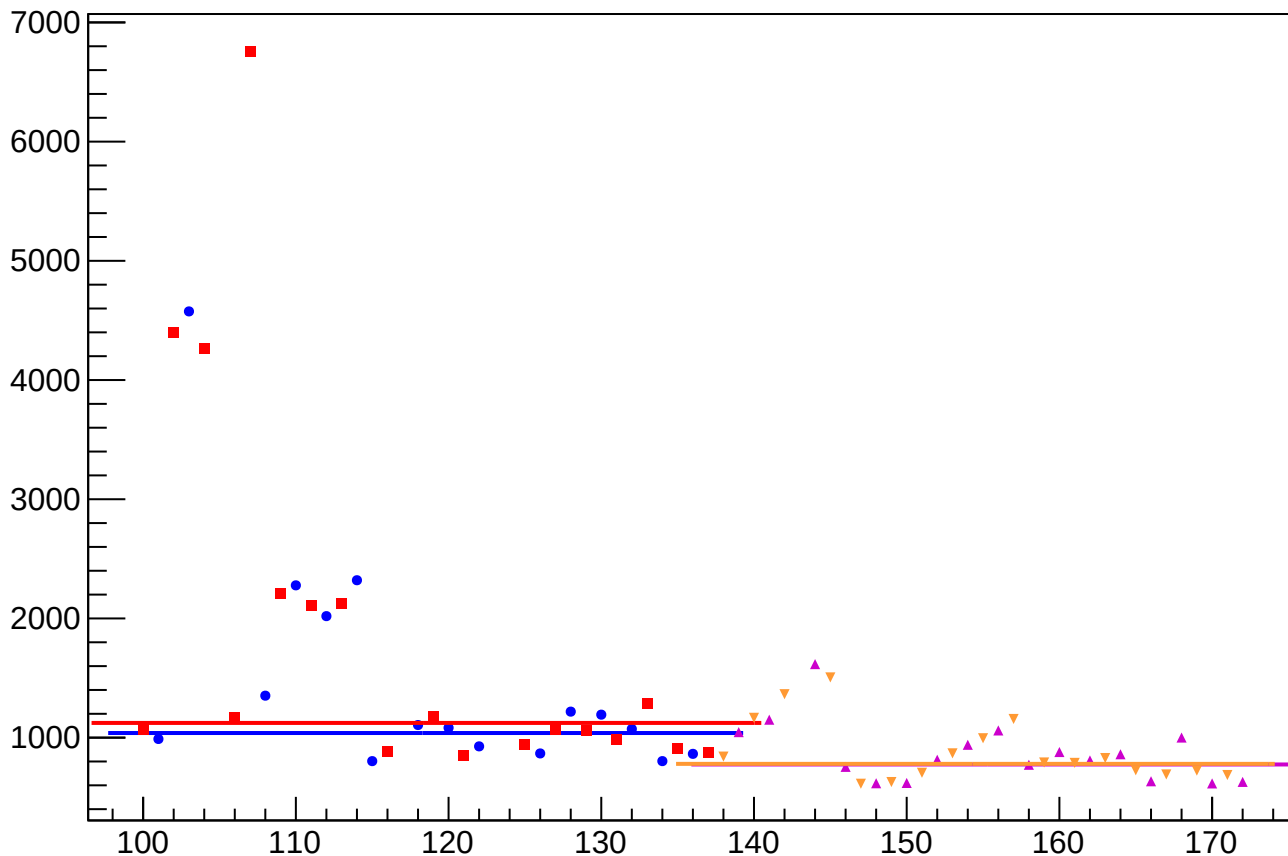
Left In: -14.420 ± 214.014 χ^2/NDF : 16.6/16

+ sign 448.005 ± 193.876 χ^2/NDF : 34.9/32

All: 277.394 ± 137.163 χ^2/NDF : 69.2/67

- sign 106.424 ± 194.080 χ^2/NDF : 32.8/34

asym_atl1_dit_correction_rms vs Slug



Right In: 1038.803 $\pm$ 0.292 χ^2/NDF : 1539731.1/15

Left Out: 780.053 $\pm$ 0.155 χ^2/NDF : 1284801.6/16

Right Out: 1123.474 $\pm$ 0.326 χ^2/NDF : 2535511.7/17

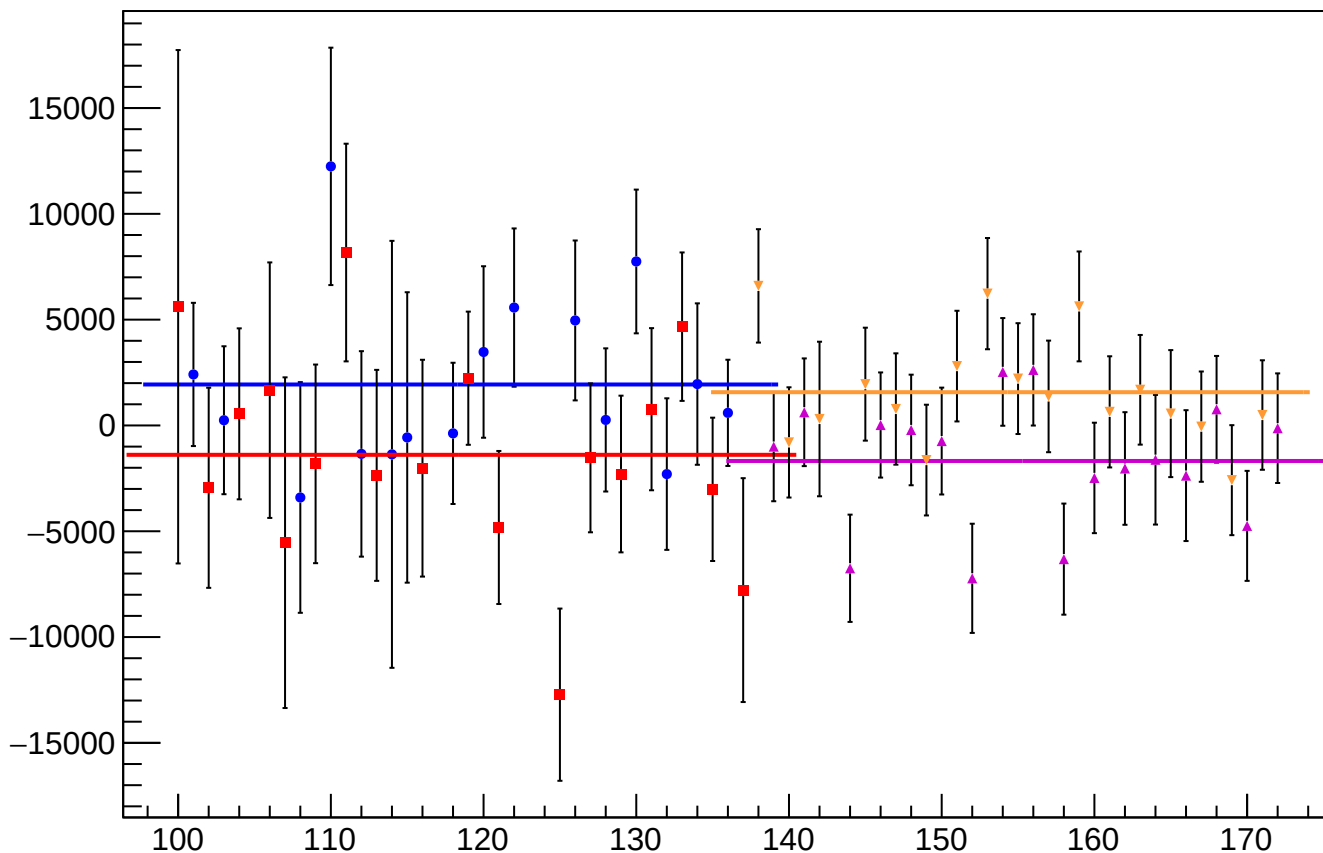
Left In: 774.928 $\pm$ 0.151 χ^2/NDF : 1554880.5/16

+ sign 837.282 $\pm$ 0.137 χ^2/NDF : 3438173.1/32

All: 837.059 $\pm$ 0.097 χ^2/NDF : 8470769.2/67

- sign 836.835 $\pm$ 0.137 χ^2/NDF : 5032590.8/34

eigen_dit_asym_atl1_mean vs Slug



Right In: 1935.988 $\pm$ 962.322 χ^2 /NDF: 12.4/15

Left Out: 1571.206 $\pm$ 649.403 χ^2 /NDF:15.3/16

Right Out: -1387.545 $\pm$ 1009.105 χ^2 /NDF: 19.8/17

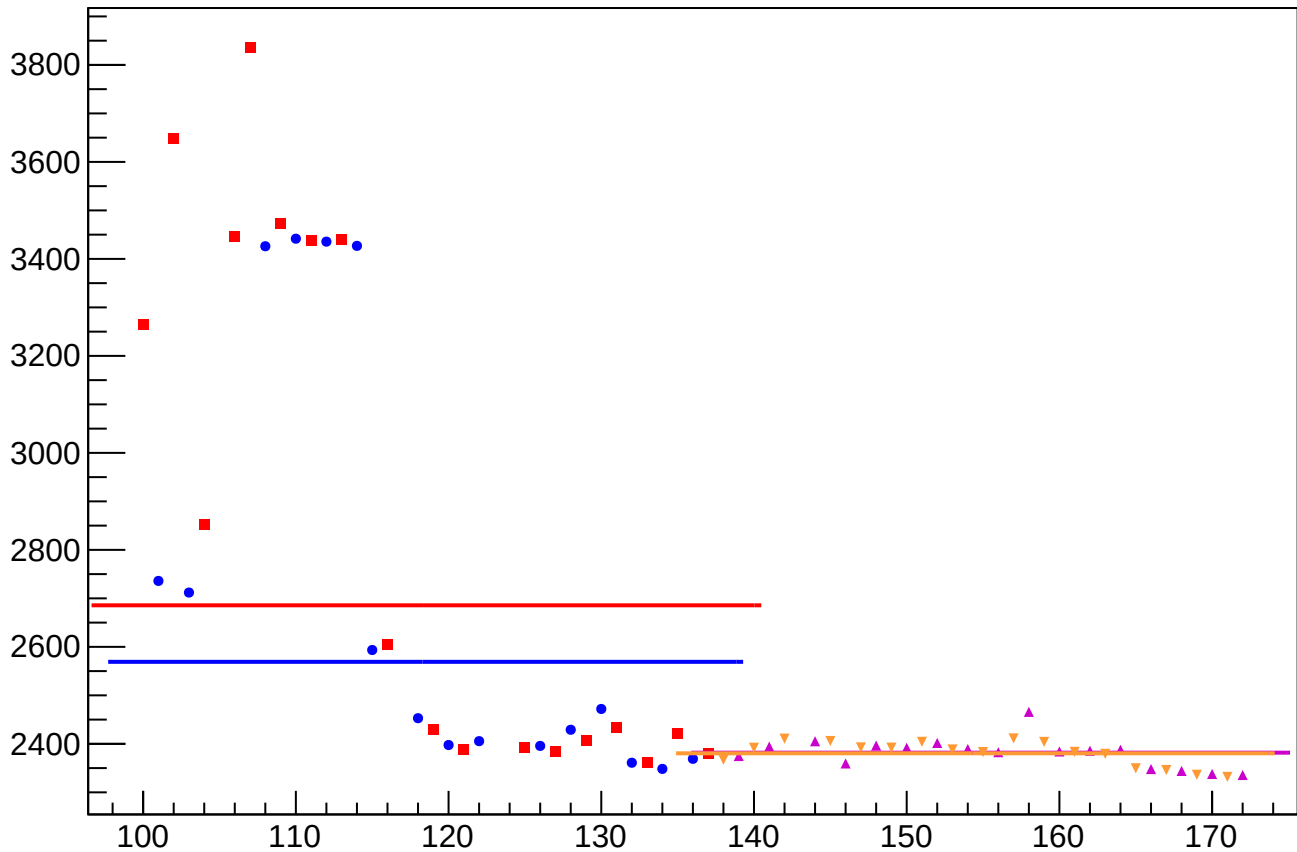
Left In: -1678.773 $\pm$ 635.815 χ^2 /NDF:21.8/16

+ sign 1685.347 $\pm$ 538.299 χ^2 /NDF: 27.8/32

All: 43.567 $\pm$ 380.508 χ^2 /NDF: 88.0/67

- sign -1596.012 $\pm$ 537.939 χ^2 /NDF: 41.6/34

eigen_dit_asym_atl1_rms vs Slug



Right In: 2569.130 $\pm$ 0.680 χ^2/NDF : 229487.3/15

Left Out: 2380.472 $\pm$ 0.459 χ^2/NDF : 2961.1/16

Right Out: 2685.674 $\pm$ 0.714 χ^2/NDF : 419264.2/17

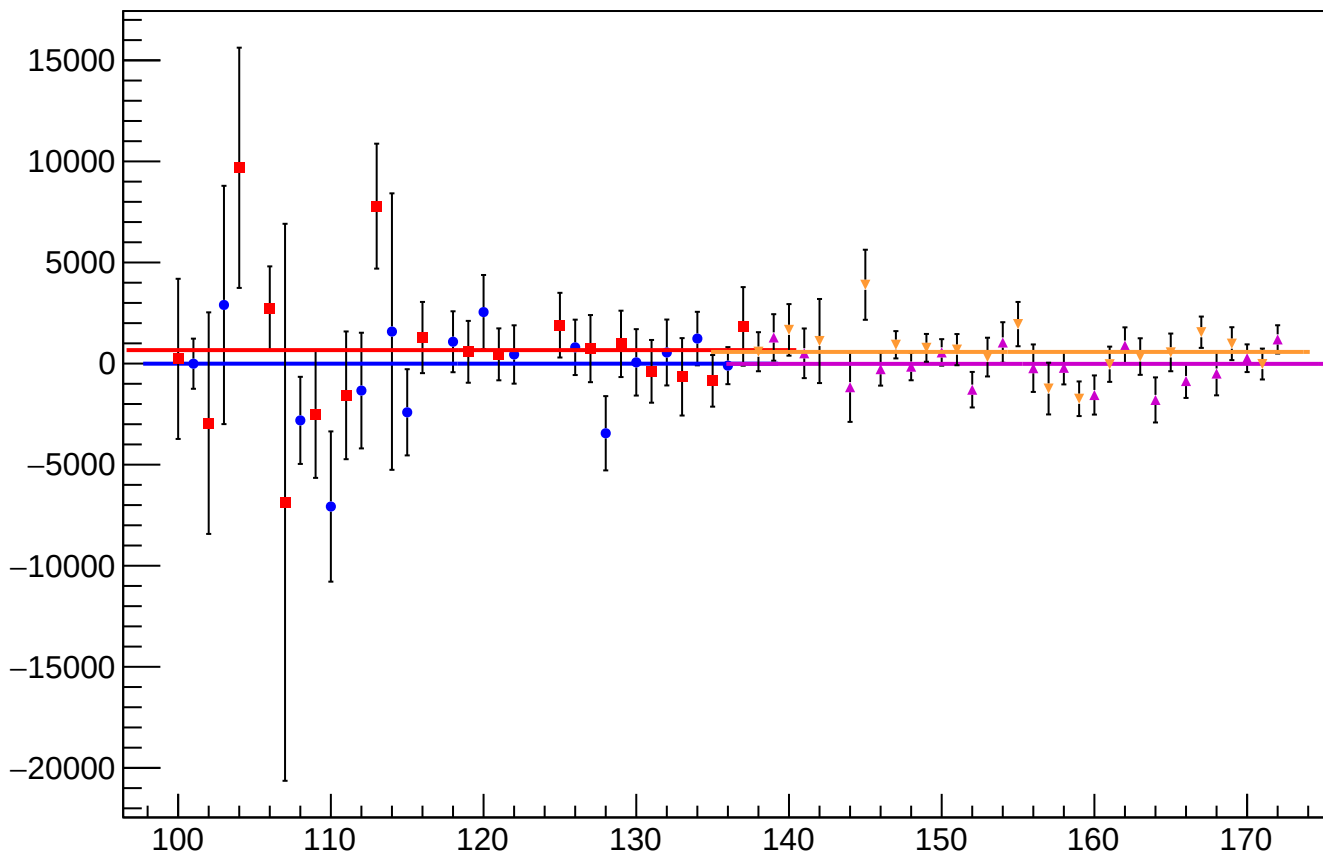
Left In: 2381.796 $\pm$ 0.450 χ^2/NDF : 4585.3/16

+ sign 2439.503 $\pm$ 0.381 χ^2/NDF : 285263.6/32

All: 2453.837 $\pm$ 0.269 χ^2/NDF : 841773.2/67

- sign 2468.152 $\pm$ 0.380 χ^2/NDF : 553675.1/34

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

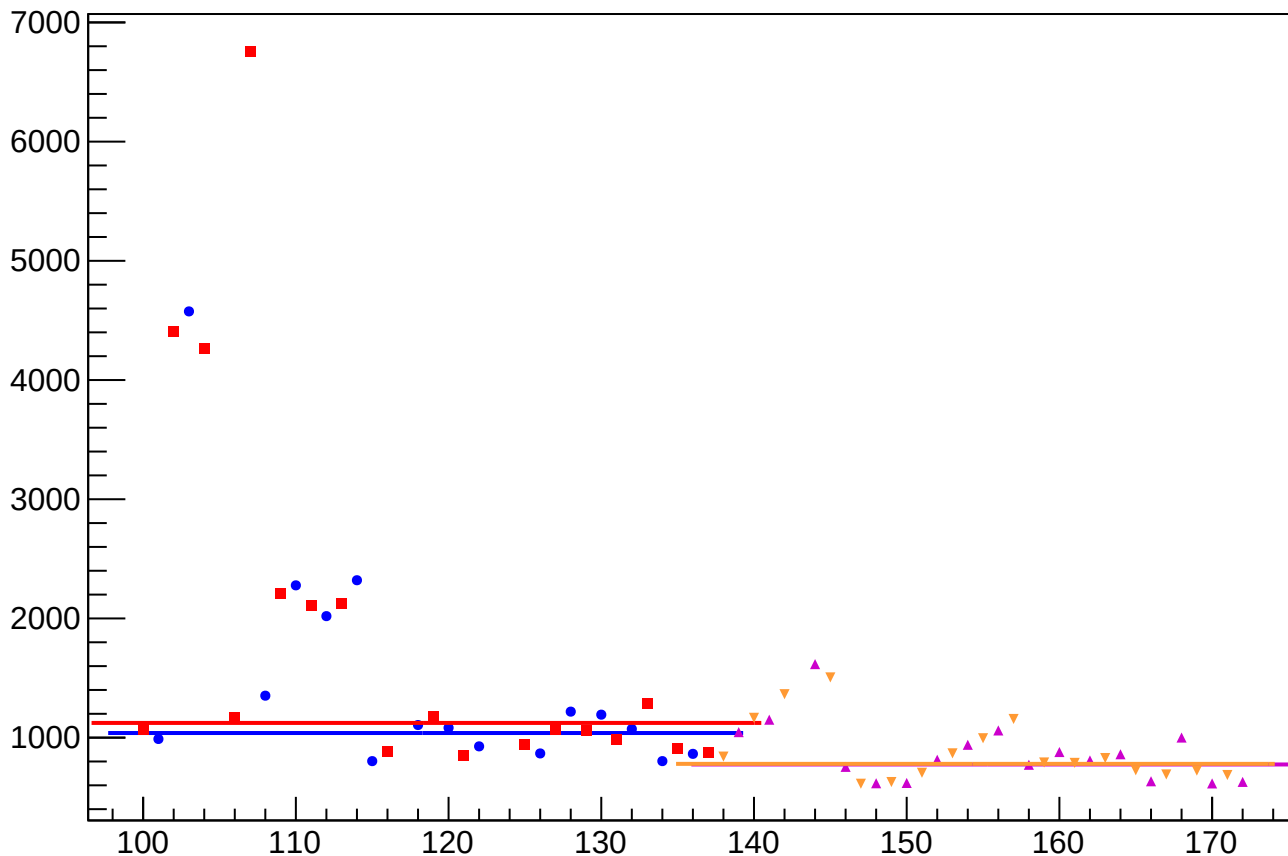
Left In: -14.420 ± 214.015 χ^2/NDF : 16.6/16

+ sign 448.004 ± 193.876 χ^2/NDF : 34.9/32

All: 277.394 ± 137.163 χ^2/NDF : 69.2/67

- sign 106.425 ± 194.080 χ^2/NDF : 32.8/34

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1038.804 ± 0.292 $\chi^2/\text{NDF}: 1539724.8/15$

Left Out: 780.055 ± 0.155 $\chi^2/\text{NDF}: 1284798.6/16$

Right Out: 1123.474 ± 0.326 $\chi^2/\text{NDF}: 2535509.9/17$

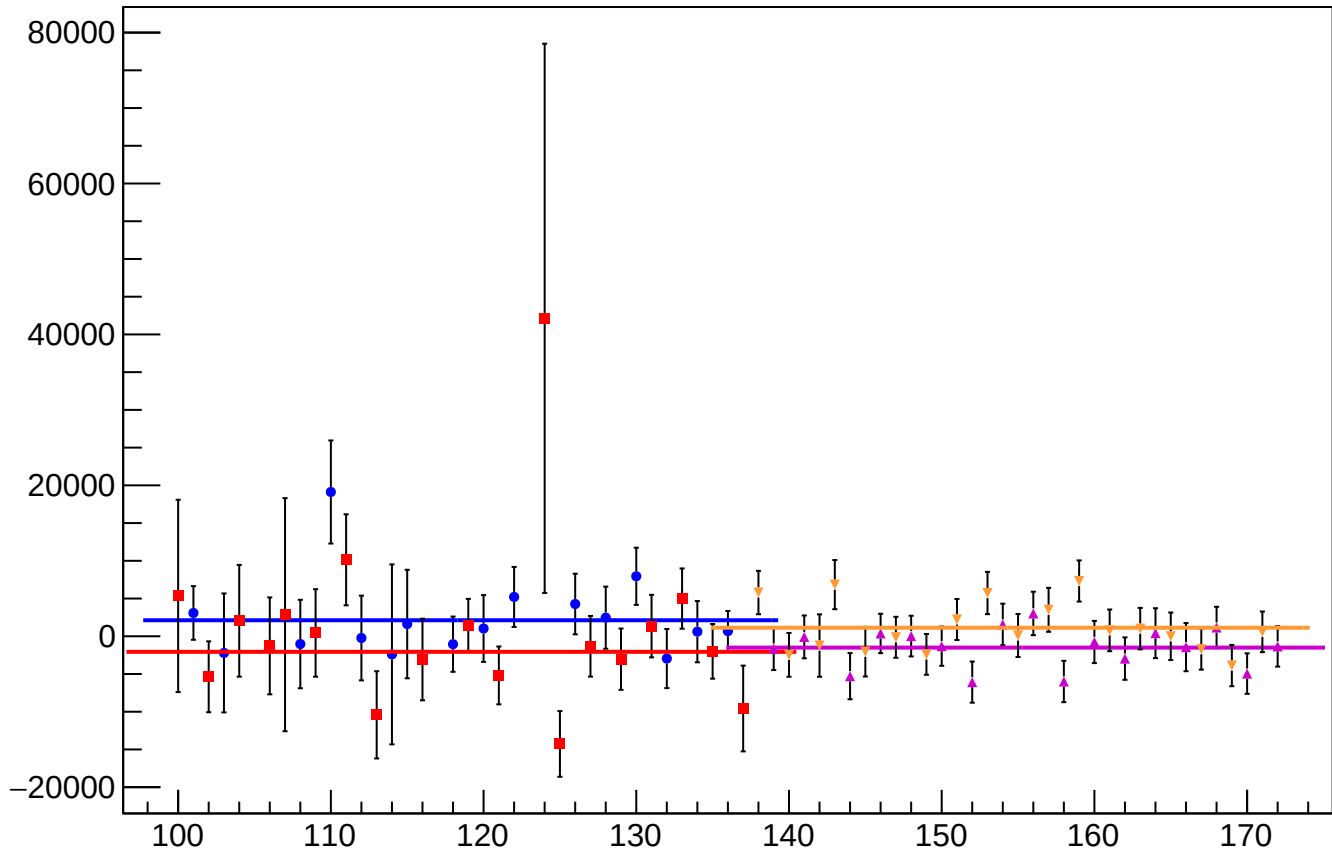
Left In: 774.930 ± 0.151 $\chi^2/\text{NDF}: 1554878.6/16$

+ sign 837.283 ± 0.137 $\chi^2/\text{NDF}: 3438158.8/32$

All: 837.060 ± 0.097 $\chi^2/\text{NDF}: 8470743.0/67$

- sign 836.836 ± 0.137 $\chi^2/\text{NDF}: 5032579.0/34$

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

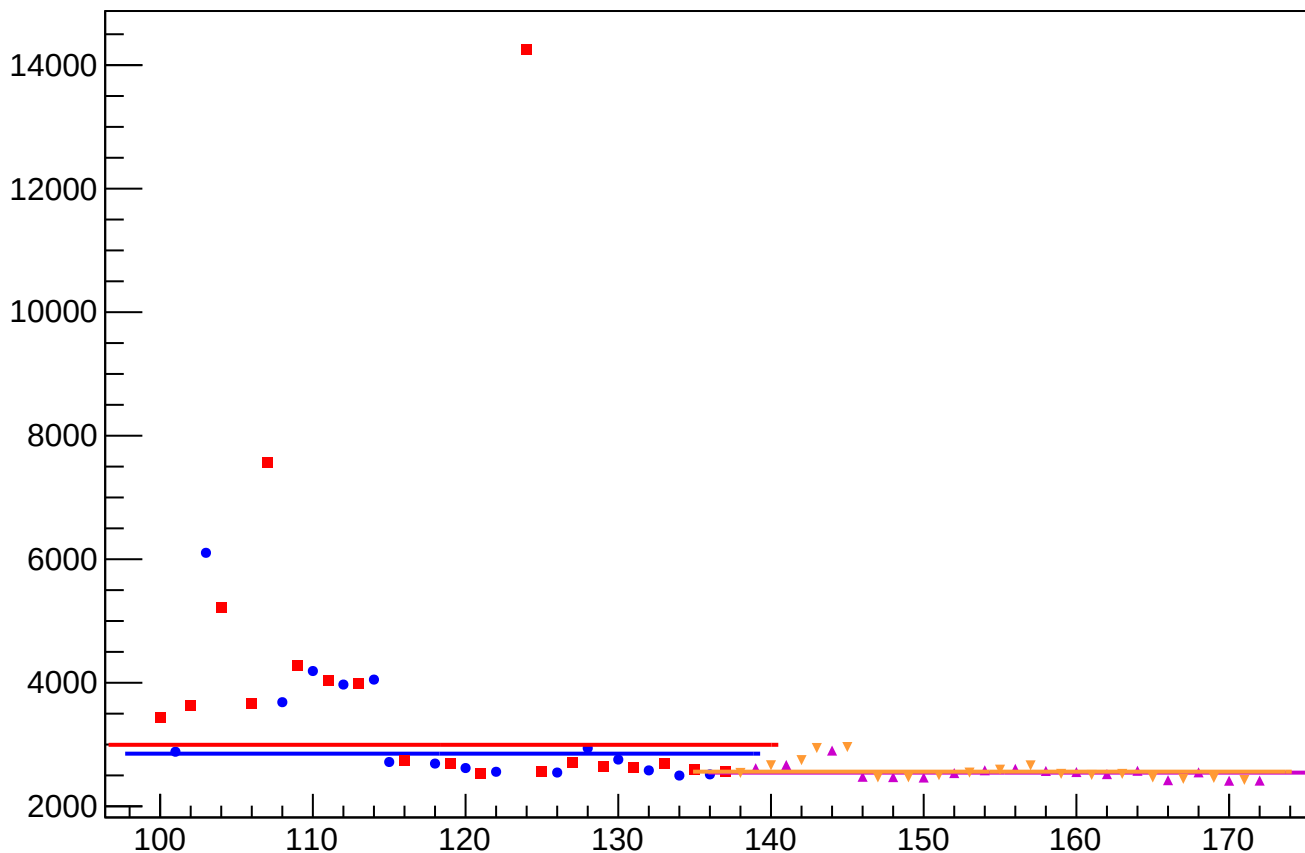
Left In: -1502.498+/-680.119 χ^2/NDF : 15.1/16

+ sign 1411.048+/-575.757 χ^2/NDF : 37.8/33

All: -98.353+/-409.881 χ^2/NDF : 91.4/69

- sign -1649.379+/-583.642 χ^2/NDF : 39.6/35

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

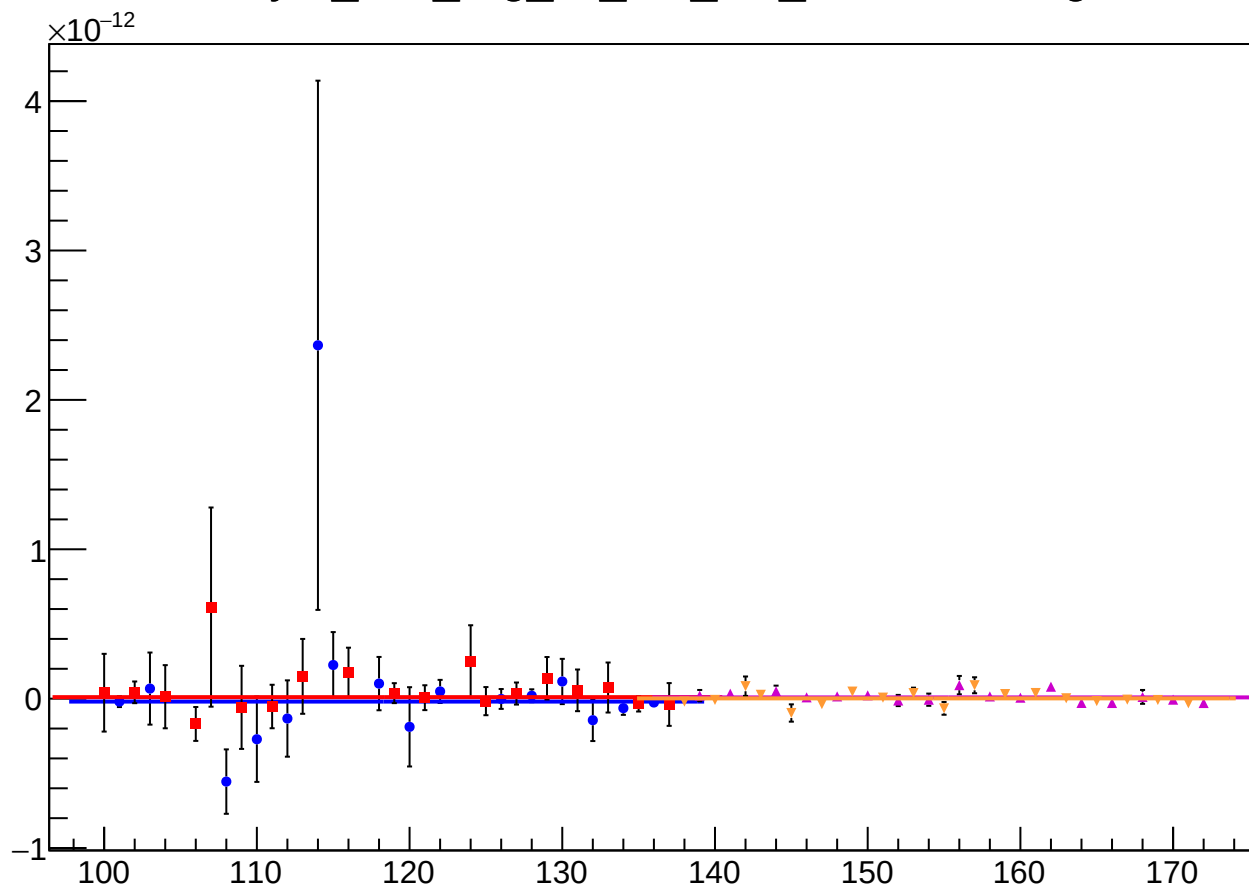
Left In: 2545.101+/-0.481 χ^2/NDF : 51054.2/16

+ sign 2642.957+/-0.407 χ^2/NDF : 838832.0/33

All: 2653.250+/-0.290 χ^2/NDF : 2101569.7/69

- sign 2663.826+/-0.413 χ^2/NDF : 1261441.8/35

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

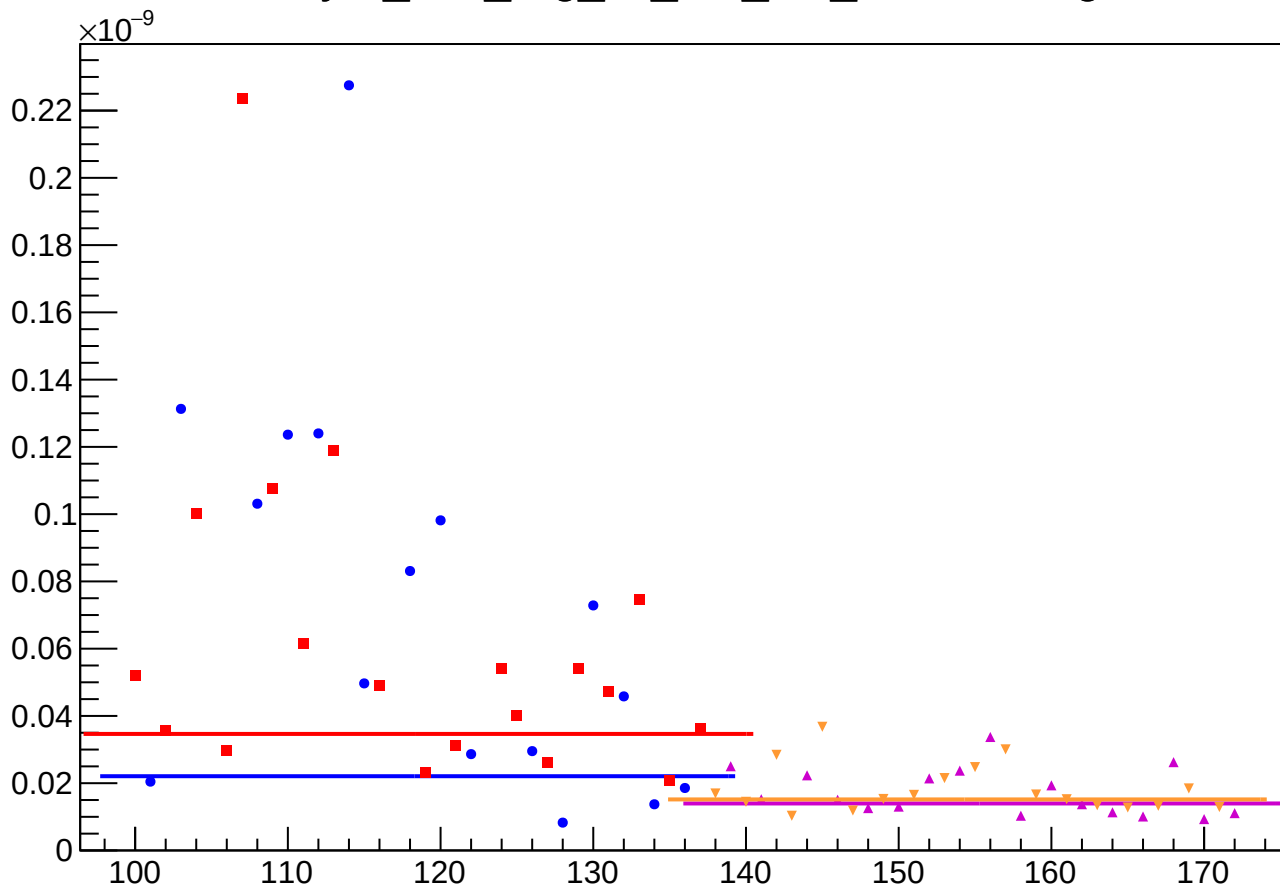
Left In: 0.000 ± 0.000 χ^2/NDF : 21.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 40.9/33

All: 0.000 ± 0.000 χ^2/NDF : 71.6/69

- sign 0.000 ± 0.000 χ^2/NDF : 29.5/35

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

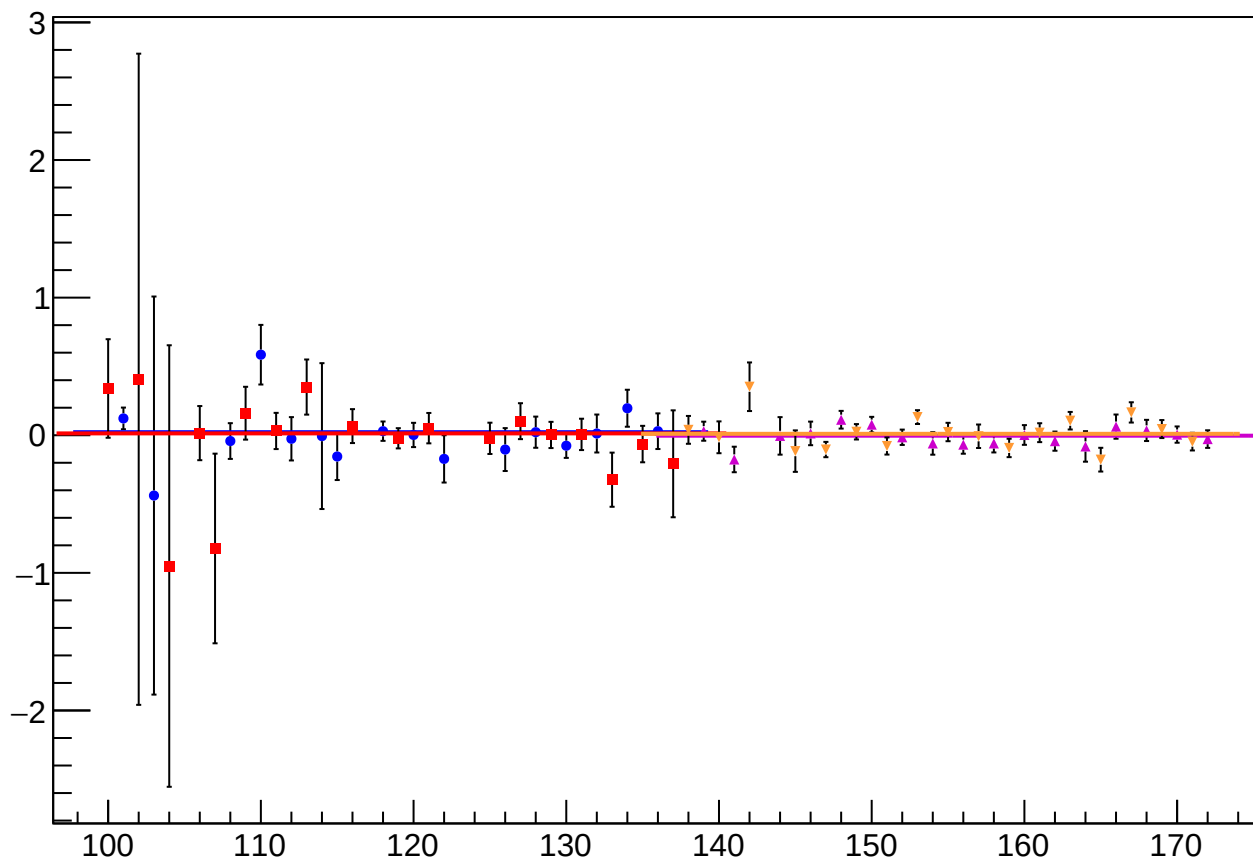
Left In: 0.000 ± 0.000 χ^2/NDF : 1182296.1/16

+ sign 0.000 ± 0.000 χ^2/NDF : 3572788.8/33

All: 0.000 ± 0.000 χ^2/NDF : 7343768.7/69

- sign 0.000 ± 0.000 χ^2/NDF : 3759552.6/35

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

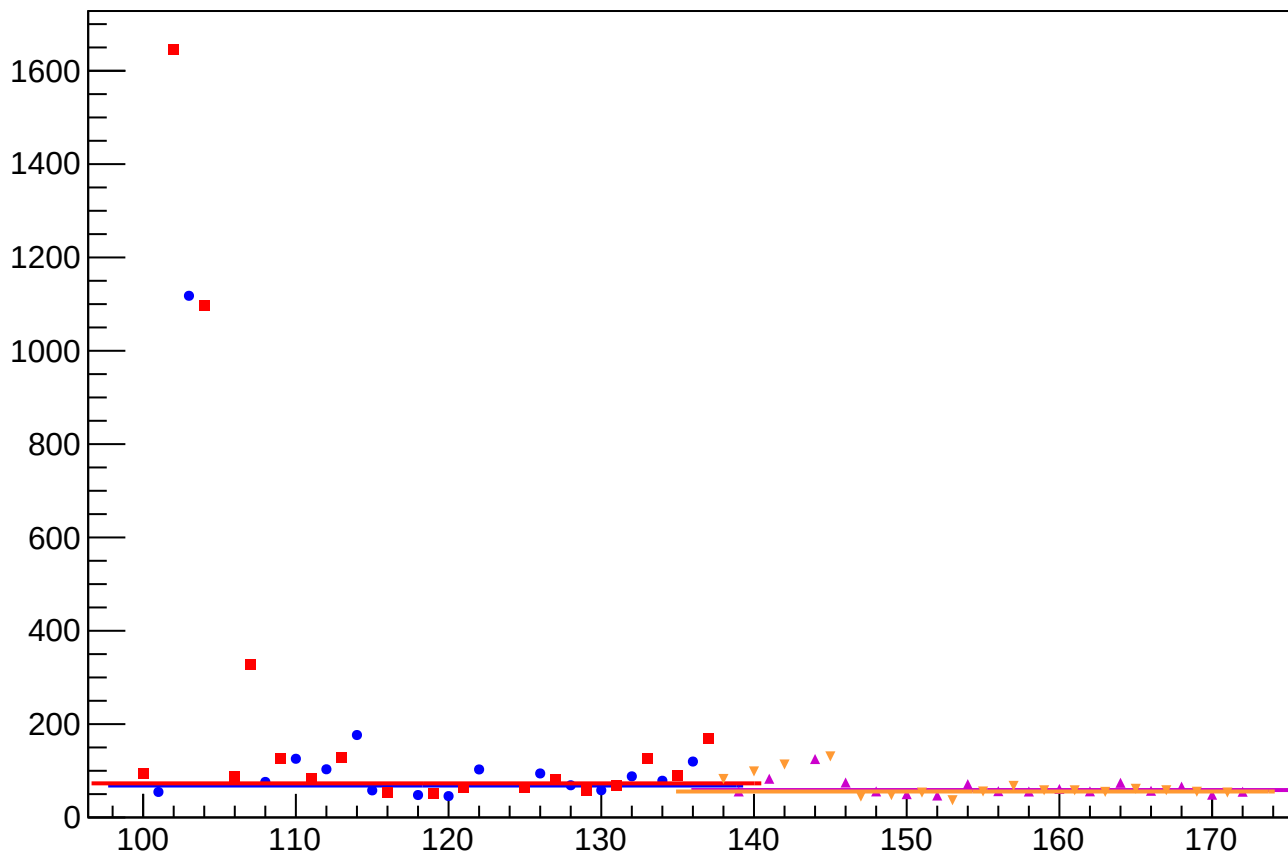
Left In: -0.003 ± 0.017 χ^2/NDF : 13.0/16

+ sign 0.013 ± 0.015 χ^2/NDF : 46.6/32

All: 0.007 ± 0.011 χ^2/NDF : 71.0/67

- sign 0.000 ± 0.015 χ^2/NDF : 24.0/34

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 68.429 $\pm$ 0.021 χ^2 /NDF: 2278083.9/15

Left Out: 55.616 $\pm$ 0.012 χ^2 /NDF: 1587633.9/16

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913147.6/17

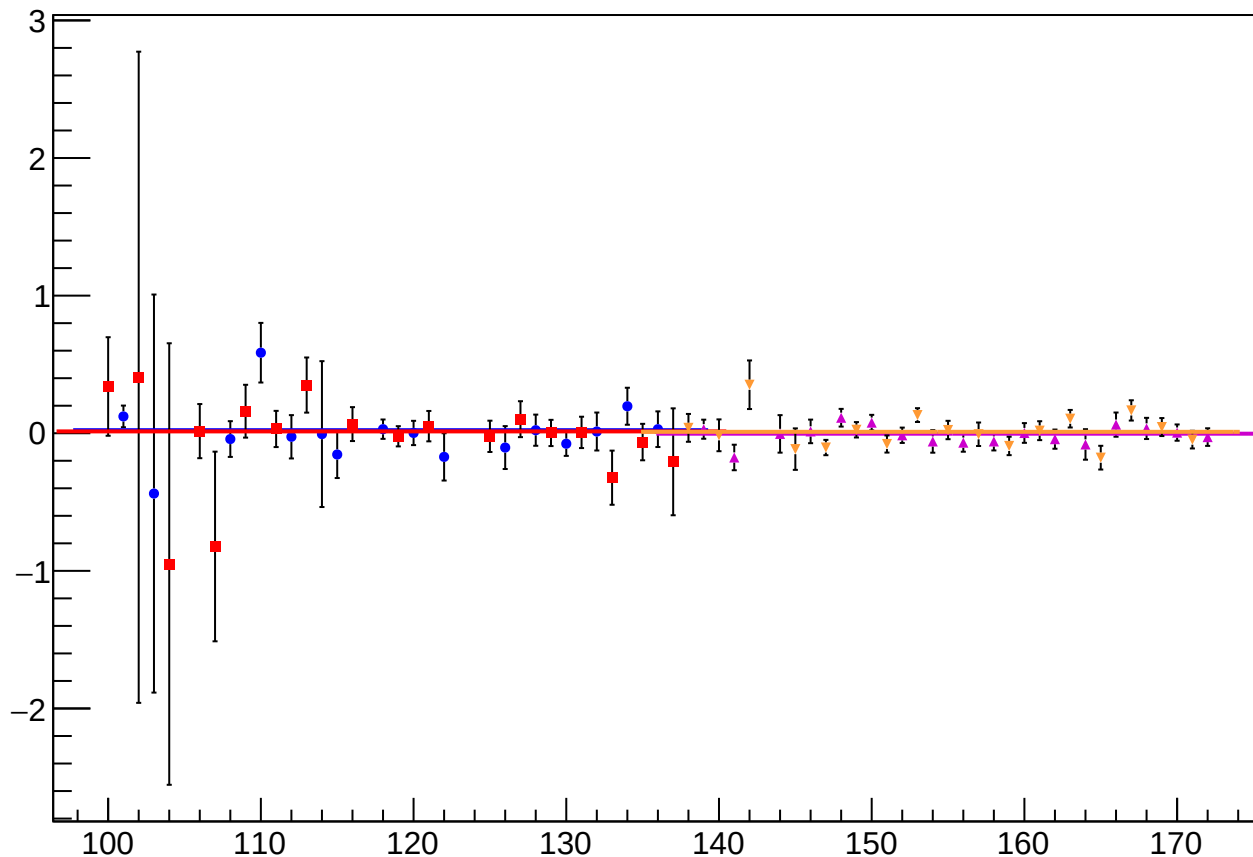
Left In: 58.738 $\pm$ 0.012 χ^2 /NDF: 1006632.4/16

+ sign 58.758 $\pm$ 0.011 χ^2 /NDF: 4138363.2/32

All: 60.220 $\pm$ 0.008 χ^2 /NDF: 8386617.4/67

- sign 61.779 $\pm$ 0.011 χ^2 /NDF: 4208642.1/34

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 $\pm$ 0.030 χ^2 /NDF: 14.8/15

Left Out: 0.010 $\pm$ 0.017 χ^2 /NDF:31.7/16

Right Out: 0.013 $\pm$ 0.033 χ^2 /NDF: 10.8/17

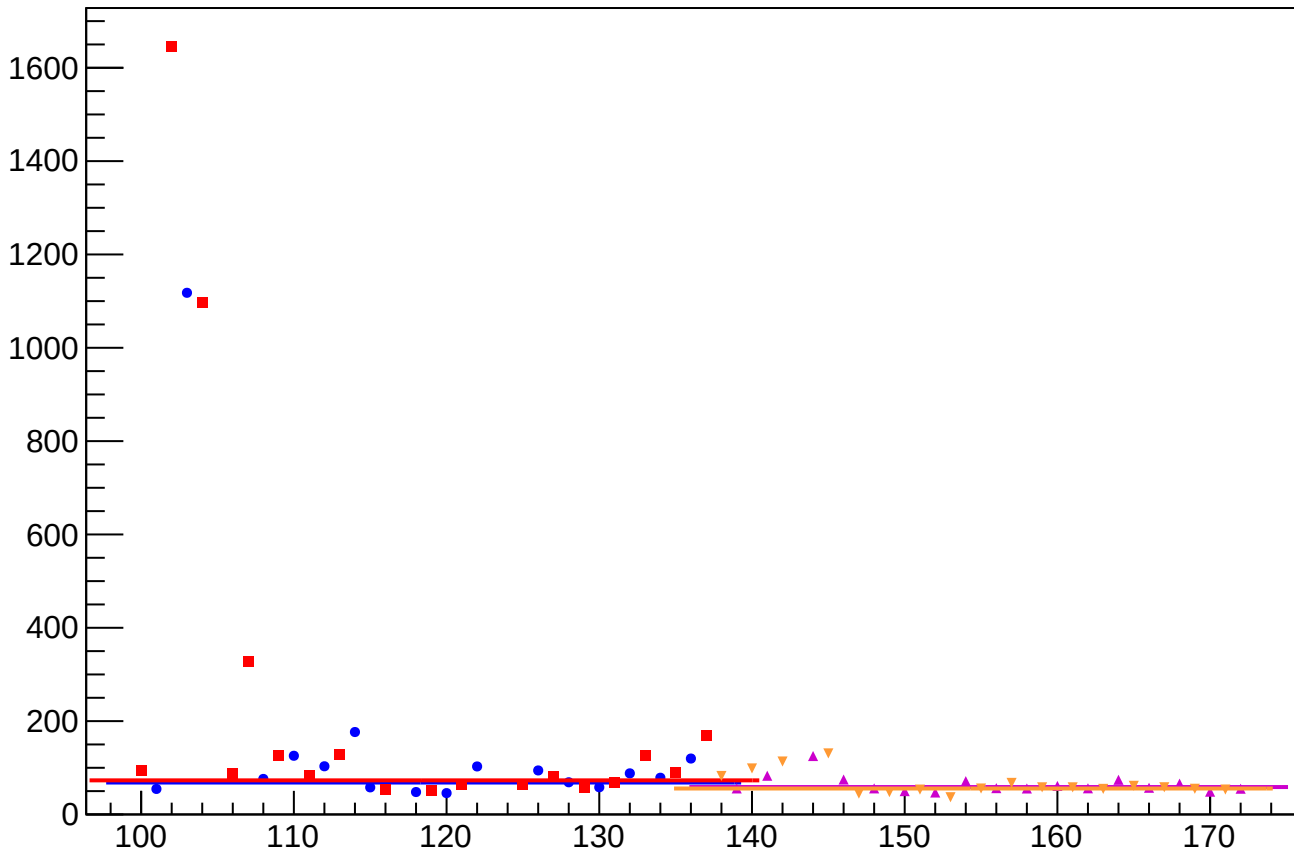
Left In: -0.003 $\pm$ 0.017 χ^2 /NDF:13.0/16

+ sign 0.013 $\pm$ 0.015 χ^2 /NDF: 46.6/32

All: 0.007 $\pm$ 0.011 χ^2 /NDF: 71.0/67

- sign 0.000 $\pm$ 0.015 χ^2 /NDF: 24.0/34

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

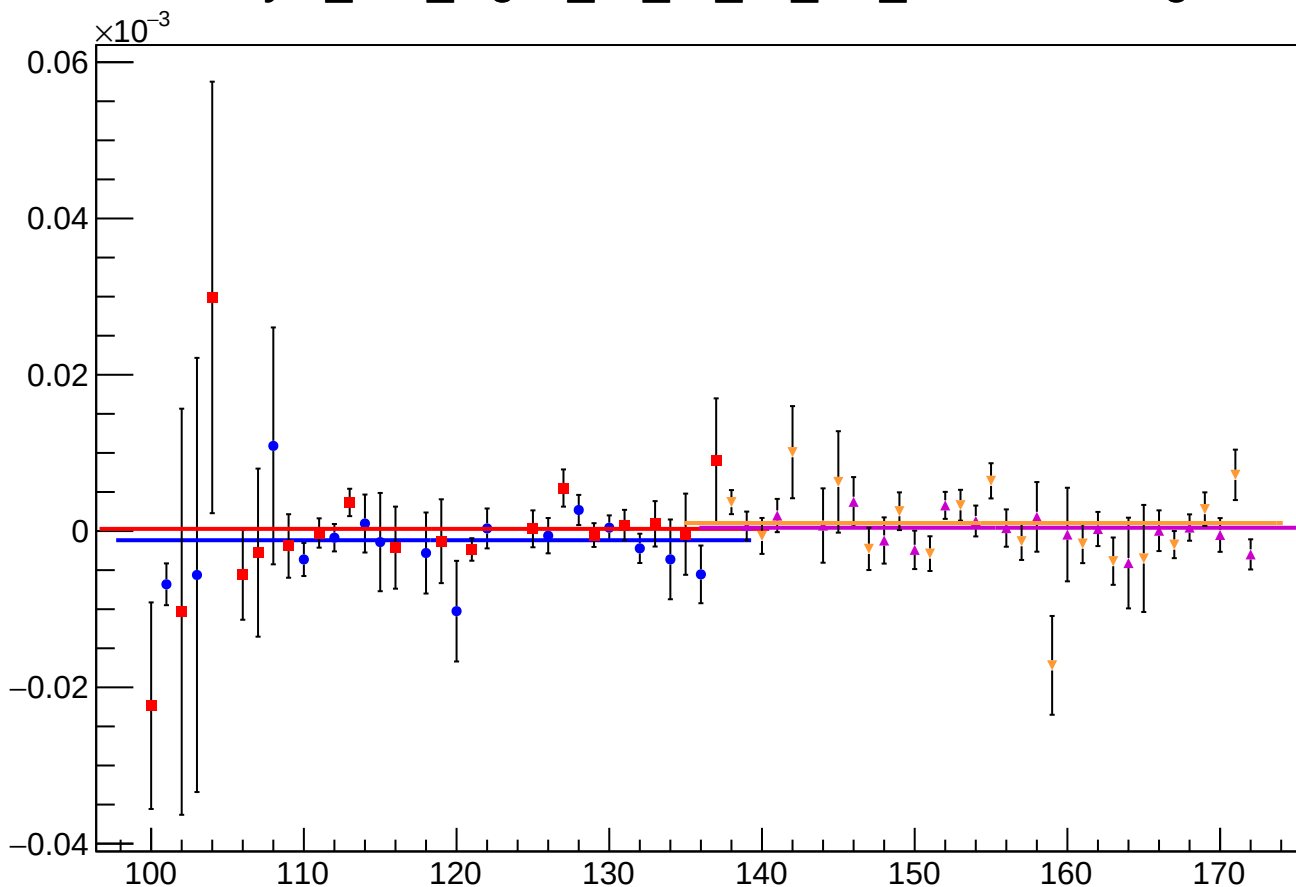
Left In: 58.738 ± 0.012 χ^2/NDF : 1006632.4/16

+ sign 58.758 ± 0.011 χ^2/NDF : 4138363.2/32

All: 60.220 ± 0.008 χ^2/NDF : 8386617.4/67

- sign 61.779 ± 0.011 χ^2/NDF : 4208642.1/34

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

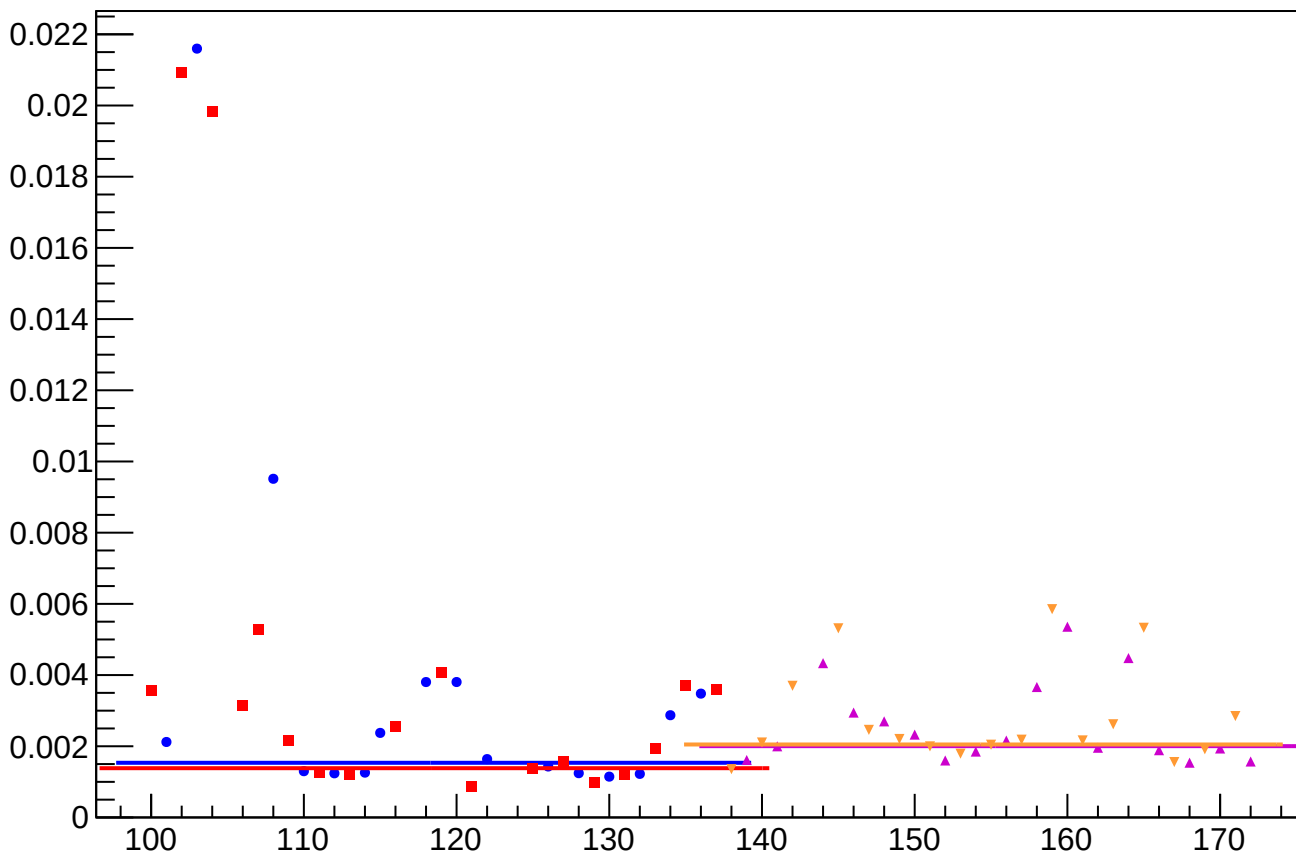
Left In: 0.000 ± 0.000 χ^2/NDF : 10.3/16

+ sign 0.000 ± 0.000 χ^2/NDF : 61.2/32

All: 0.000 ± 0.000 χ^2/NDF : 91.4/67

- sign 0.000 ± 0.000 χ^2/NDF : 29.8/34

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

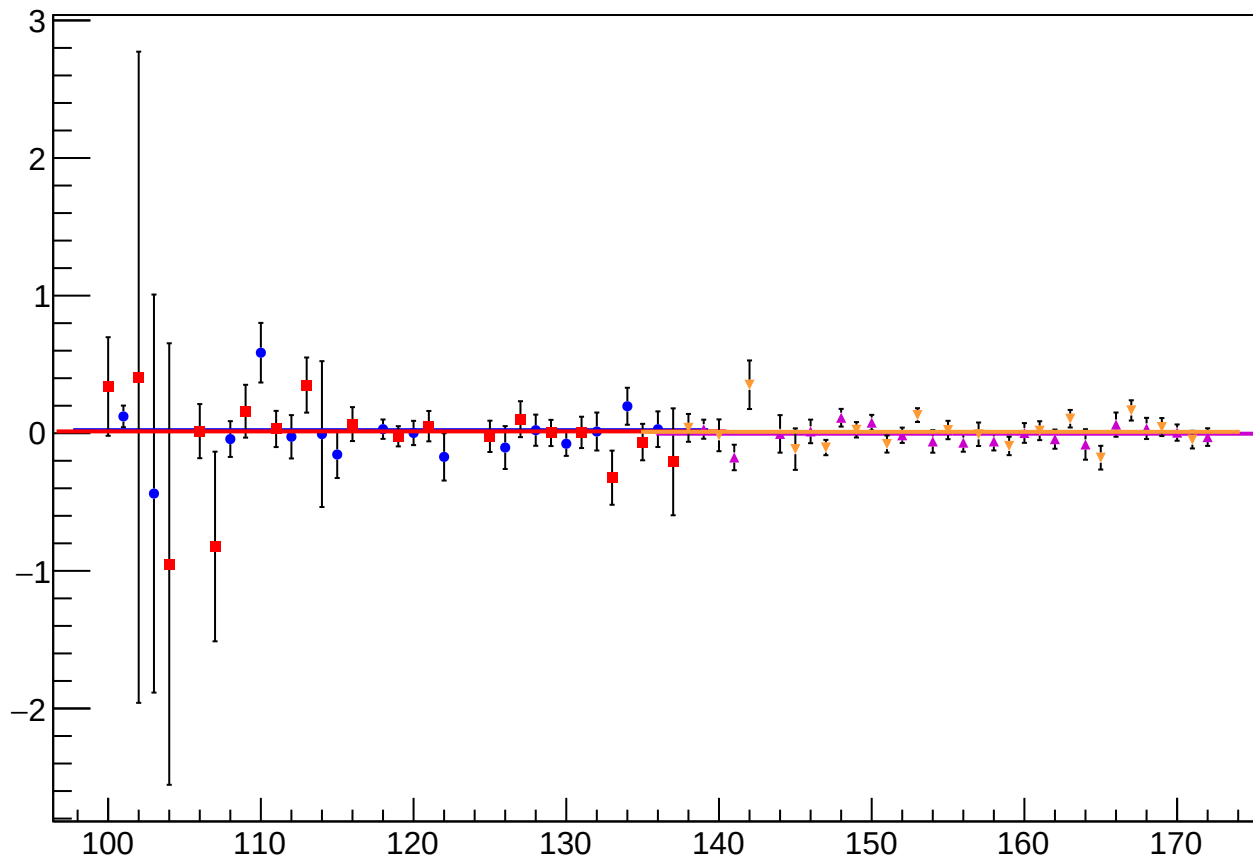
Left In: 0.002+/-0.000 χ^2/NDF : 2550529.8/16

+ sign 0.002+/-0.000 χ^2/NDF : 6744296.5/32

All: 0.002+/-0.000 χ^2/NDF : 14658179.7/67

- sign 0.002+/-0.000 χ^2/NDF : 7865367.8/34

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

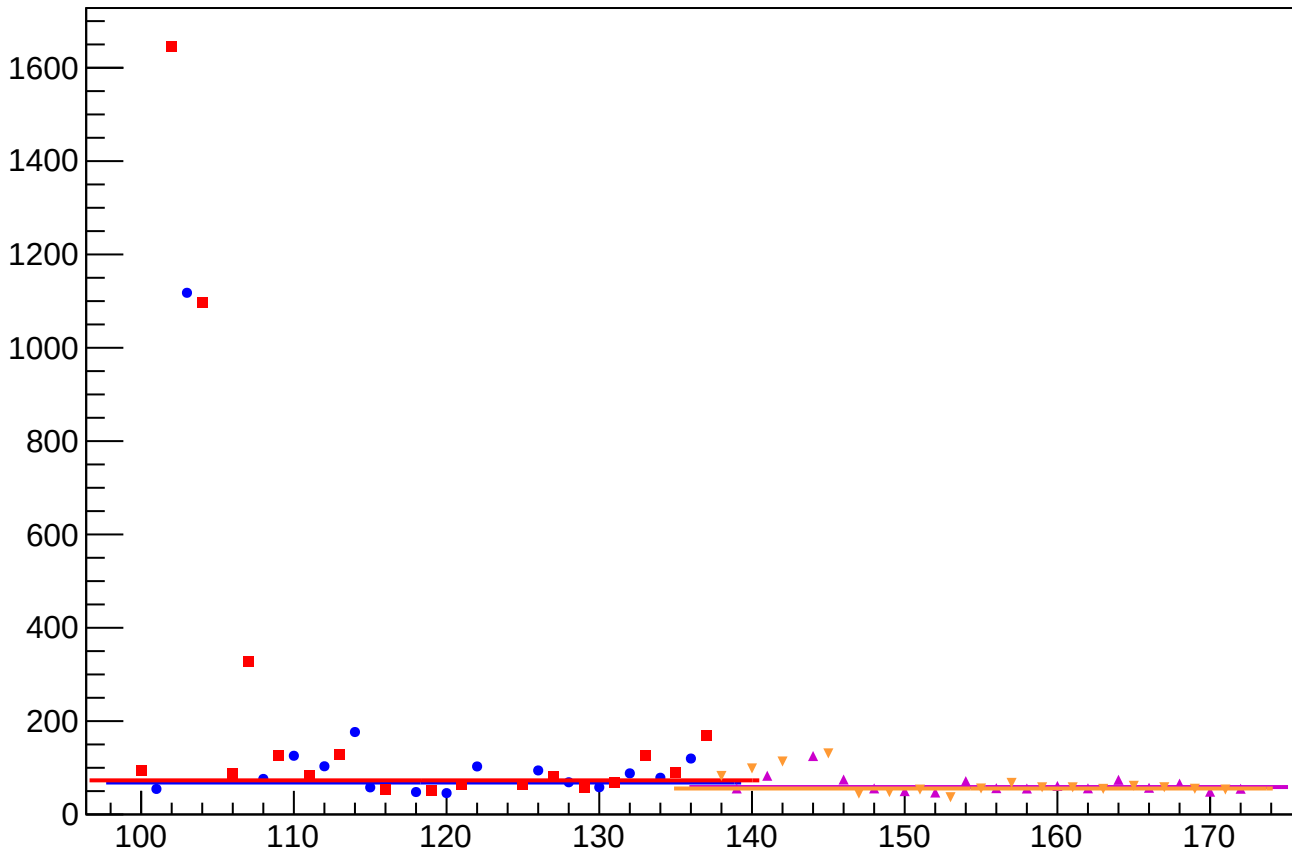
Left In: -0.003 ± 0.017 χ^2/NDF : 13.0/16

+ sign 0.013 ± 0.015 χ^2/NDF : 46.6/32

All: 0.007 ± 0.011 χ^2/NDF : 71.0/67

- sign 0.000 ± 0.015 χ^2/NDF : 24.0/34

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 55.616 $\pm$ 0.012 χ^2 /NDF: 1587706.7/16

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

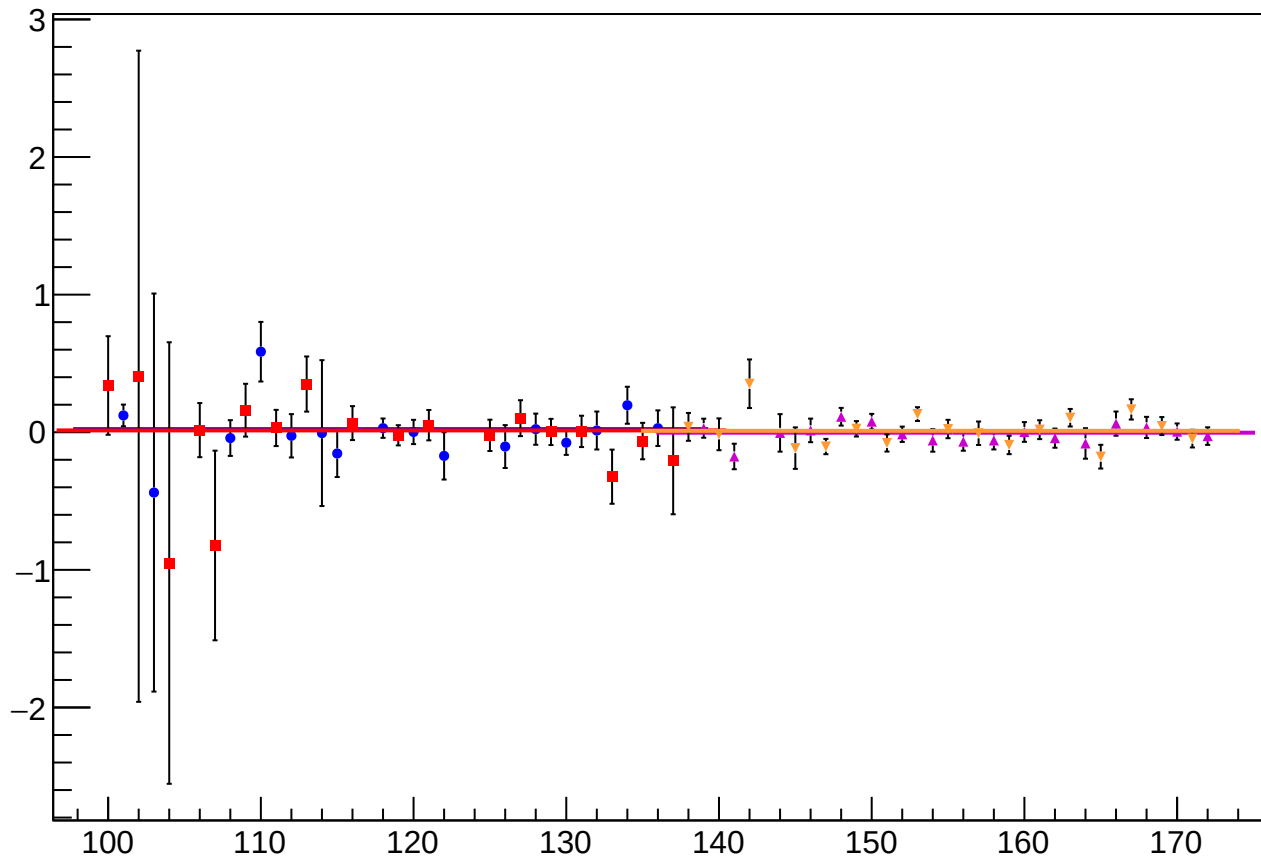
Left In: 58.738 $\pm$ 0.012 χ^2 /NDF: 1006603.4/16

+ sign 58.758 $\pm$ 0.011 χ^2 /NDF: 4138484.3/32

All: 60.220 $\pm$ 0.008 χ^2 /NDF: 8386702.8/67

- sign 61.779 $\pm$ 0.011 χ^2 /NDF: 4208597.7/34

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.030 χ^2/NDF : 14.8/15

Left Out: 0.010 ± 0.017 χ^2/NDF : 31.7/16

Right Out: 0.013 ± 0.033 χ^2/NDF : 10.8/17

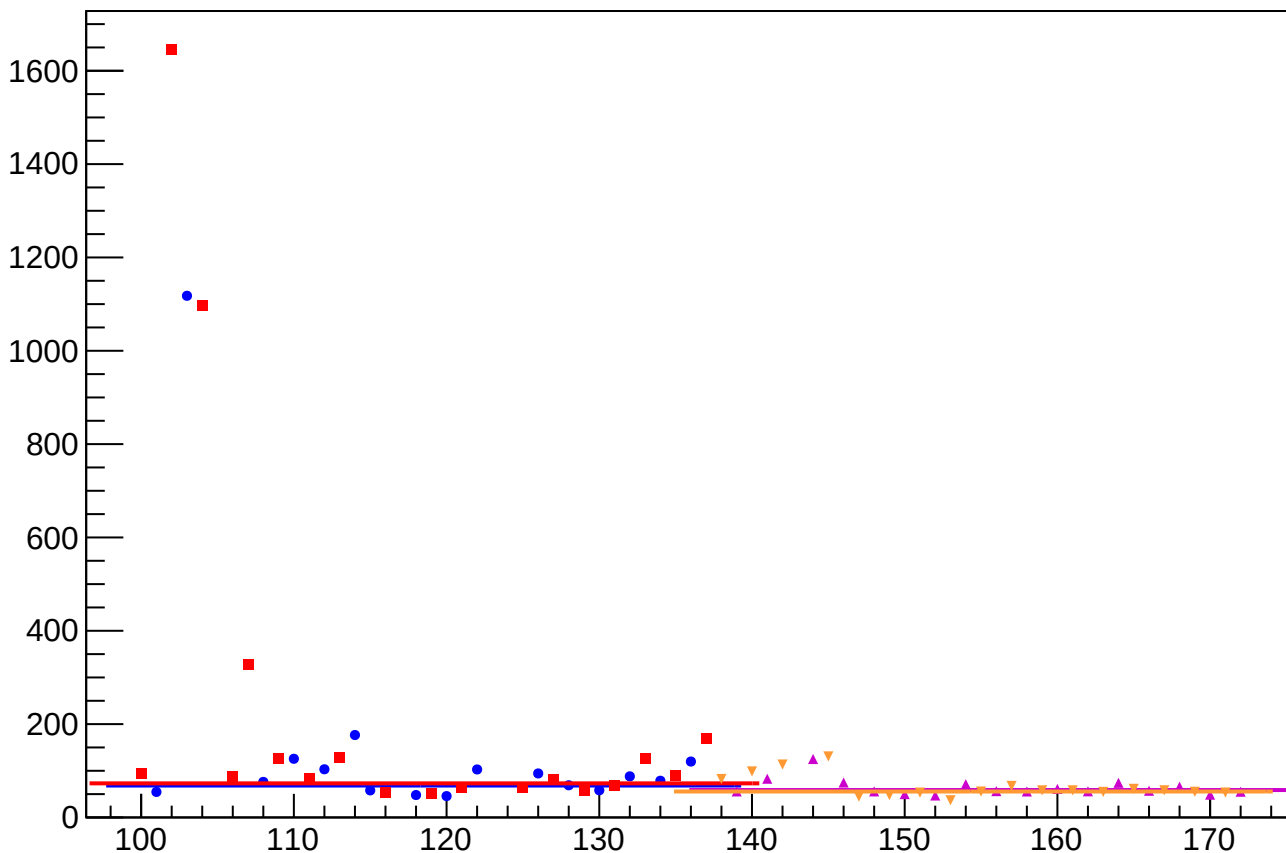
Left In: -0.003 ± 0.017 χ^2/NDF : 13.0/16

+ sign 0.013 ± 0.015 χ^2/NDF : 46.6/32

All: 0.007 ± 0.011 χ^2/NDF : 71.0/67

- sign 0.000 ± 0.015 χ^2/NDF : 24.0/34

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.428 $\pm$ 0.021 χ^2 /NDF: 2278168.9/15

Left Out: 55.616 $\pm$ 0.012 χ^2 /NDF: 1587706.7/16

Right Out: 73.072 $\pm$ 0.024 χ^2 /NDF: 2913161.9/17

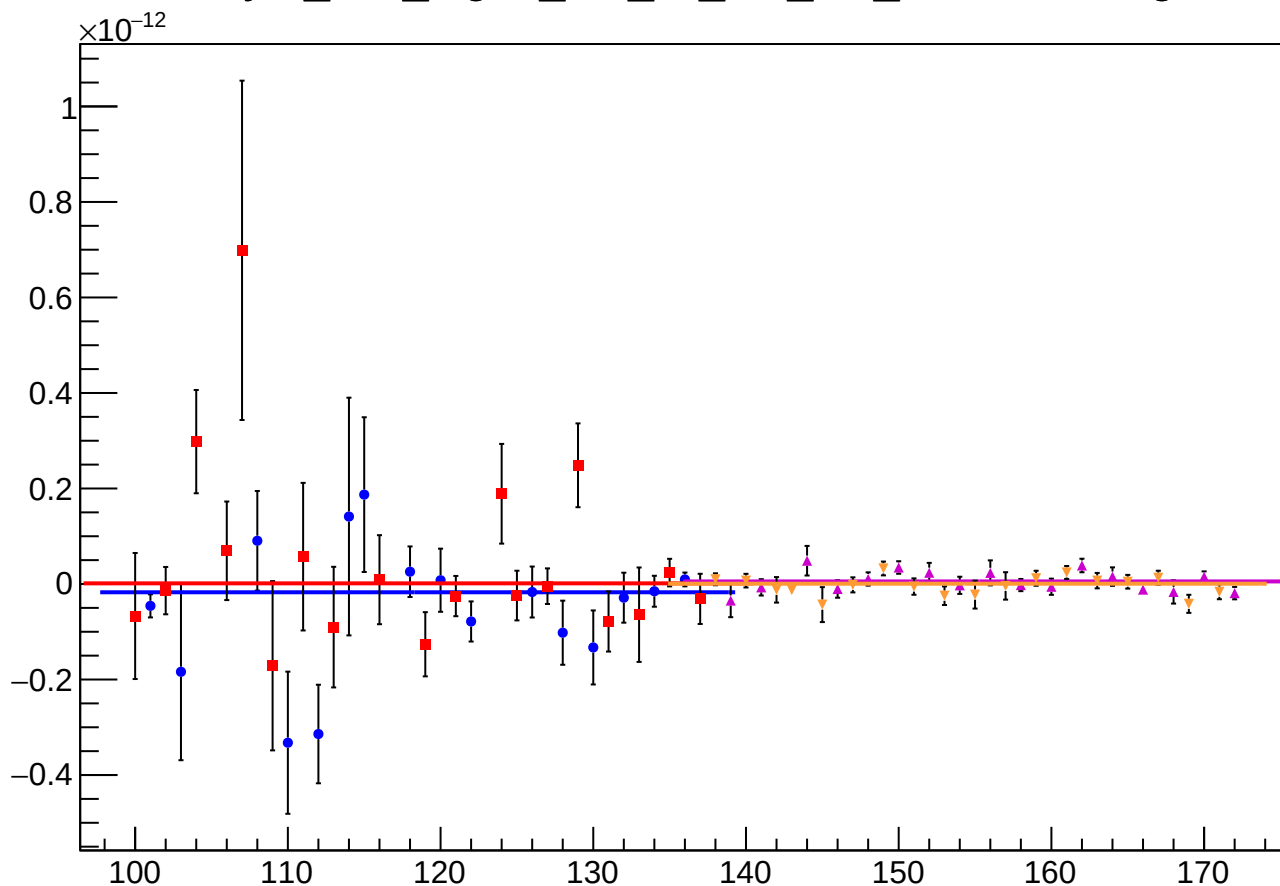
Left In: 58.738 $\pm$ 0.012 χ^2 /NDF: 1006603.4/16

+ sign 58.758 $\pm$ 0.011 χ^2 /NDF: 4138484.3/32

All: 60.220 $\pm$ 0.008 χ^2 /NDF: 8386702.8/67

- sign 61.779 $\pm$ 0.011 χ^2 /NDF: 4208597.7/34

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

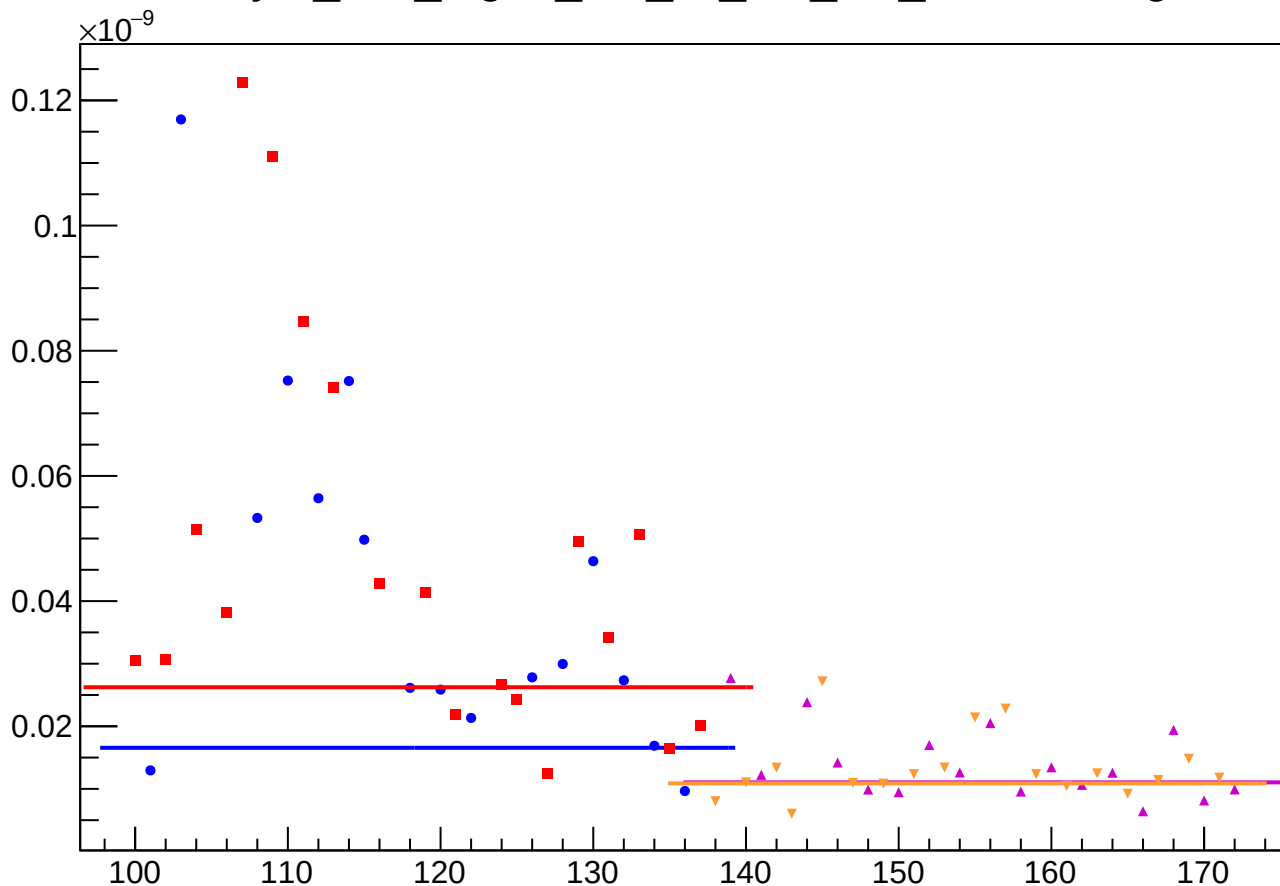
Left In: 0.000 ± 0.000 χ^2/NDF : 25.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 53.5/33

All: 0.000 ± 0.000 χ^2/NDF : 113.2/69

- sign 0.000 ± 0.000 χ^2/NDF : 58.0/35

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



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

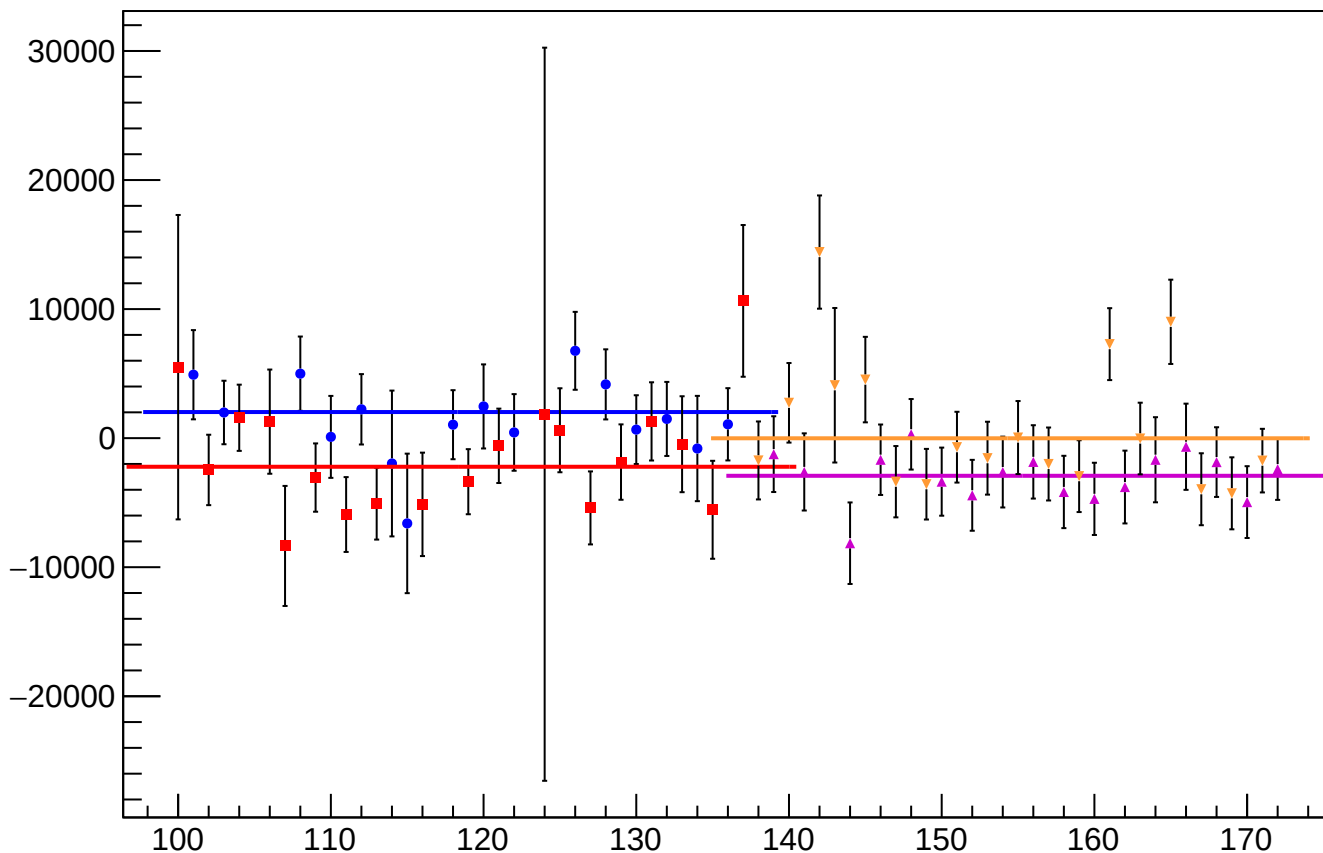
Left In: 0.000 ± 0.000 χ^2/NDF : 2232355.5/16

+ sign 0.000 ± 0.000 χ^2/NDF : 5265130.9/33

All: 0.000 ± 0.000 χ^2/NDF : 11981916.7/69

- sign 0.000 ± 0.000 χ^2/NDF : 6699017.5/35

reg_asym_atl2_mean vs Slug



Right In: 2022.690 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: -11.078 $\pm$ 696.370 χ^2 /NDF:38.8/17

Right Out: -2217.261 $\pm$ 756.139 χ^2 /NDF: 18.1/18

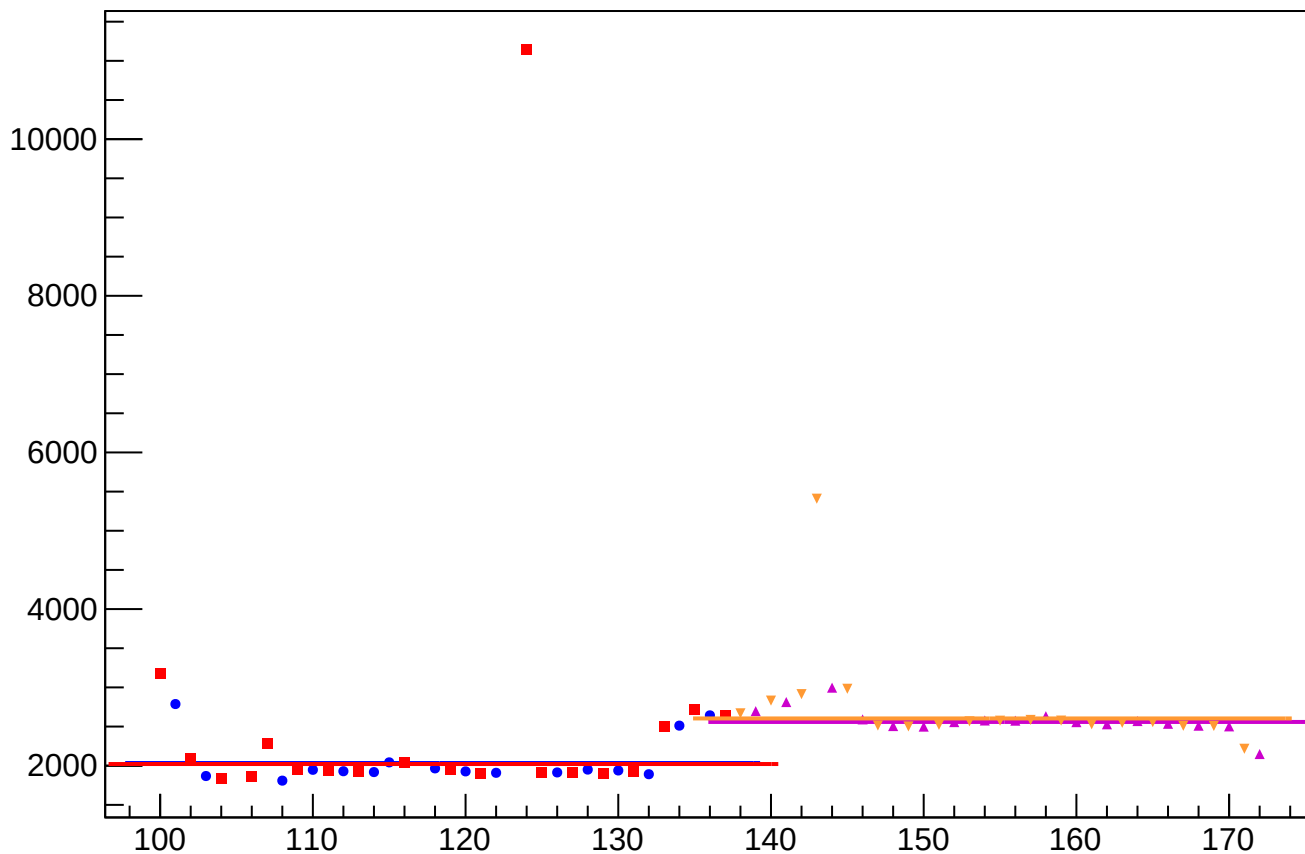
Left In: -2917.292 $\pm$ 684.581 χ^2 /NDF:7.2/16

+ sign 911.353 $\pm$ 514.769 χ^2 /NDF: 52.2/33

All: -870.321 $\pm$ 361.395 χ^2 /NDF: 101.7/69

- sign -2601.961 $\pm$ 507.489 χ^2 /NDF: 25.8/35

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

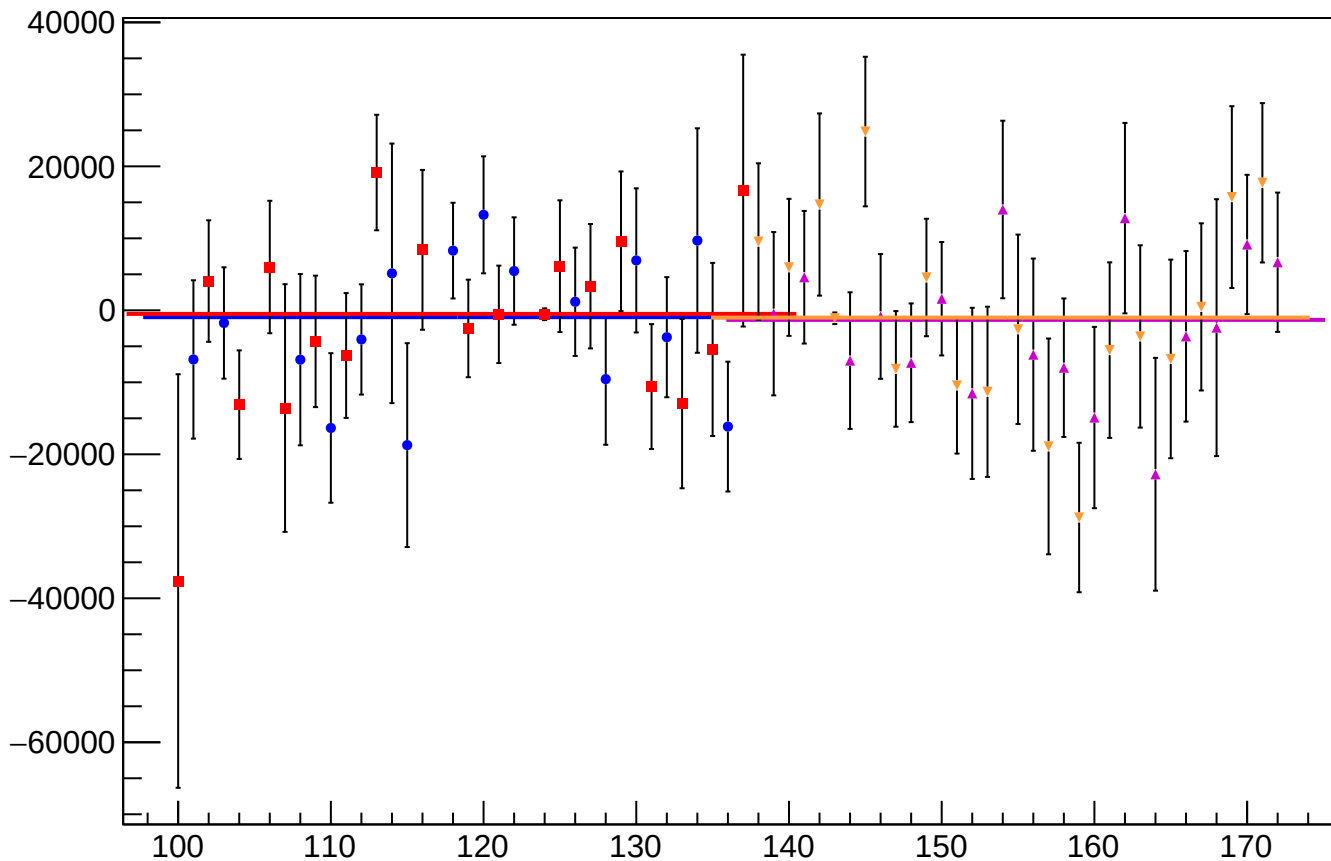
Left In: 2558.794+/-0.484 χ^2/NDF : 121714.0/16

+ sign 2345.293+/-0.364 χ^2/NDF : 1420828.8/33

All: 2330.837+/-0.256 χ^2/NDF : 2490832.4/69

- sign 2316.788+/-0.359 χ^2/NDF : 1066893.7/35

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

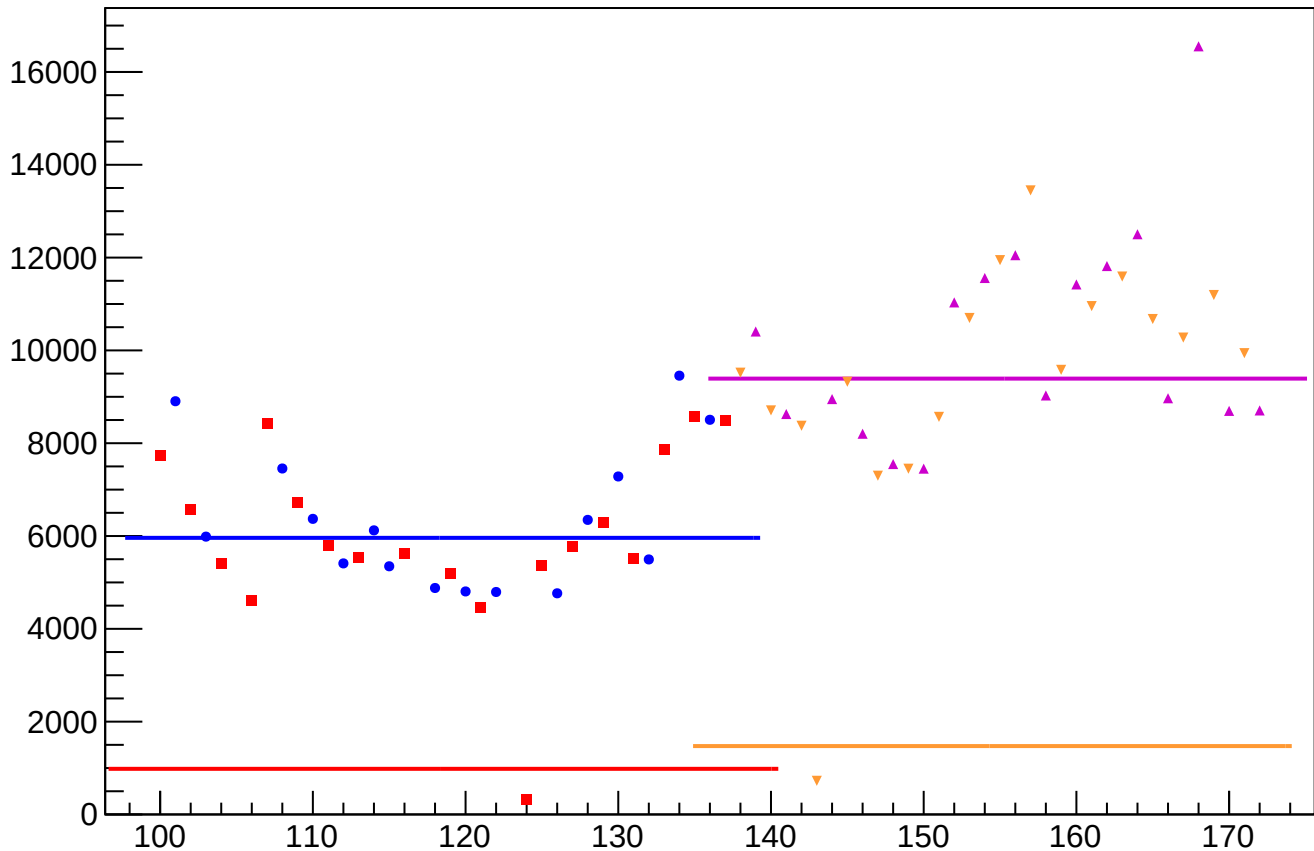
Left In: -1325.219 ± 2561.710 χ^2/NDF : 10.3/16

+ sign -1003.845 ± 731.080 χ^2/NDF : 41.2/33

All: -786.196 ± 518.648 χ^2/NDF : 70.2/69

- sign -565.666 ± 735.903 χ^2/NDF : 28.8/35

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

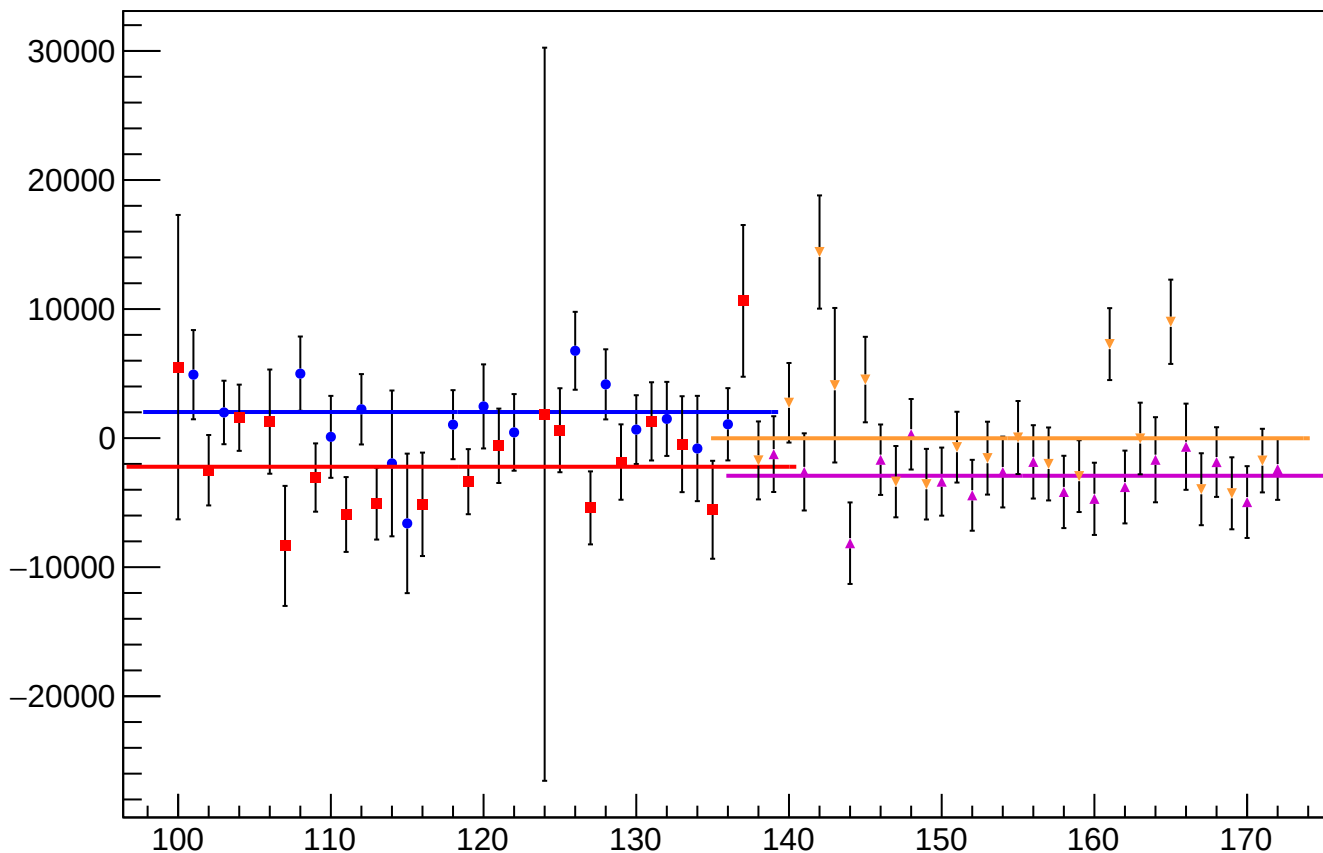
Left In: 9392.144+/-1.811 χ^2 /NDF: 1013346.5/16

+ sign 1935.359+/-0.517 χ^2 /NDF: 28469045.0/33

All: 1807.152+/-0.367 χ^2 /NDF: 60794232.2/6

- sign 1677.248+/-0.520 χ^2 /NDF: 32201359.1/35

cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: -11.055 $\pm$ 696.370 χ^2 /NDF:38.8/17

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

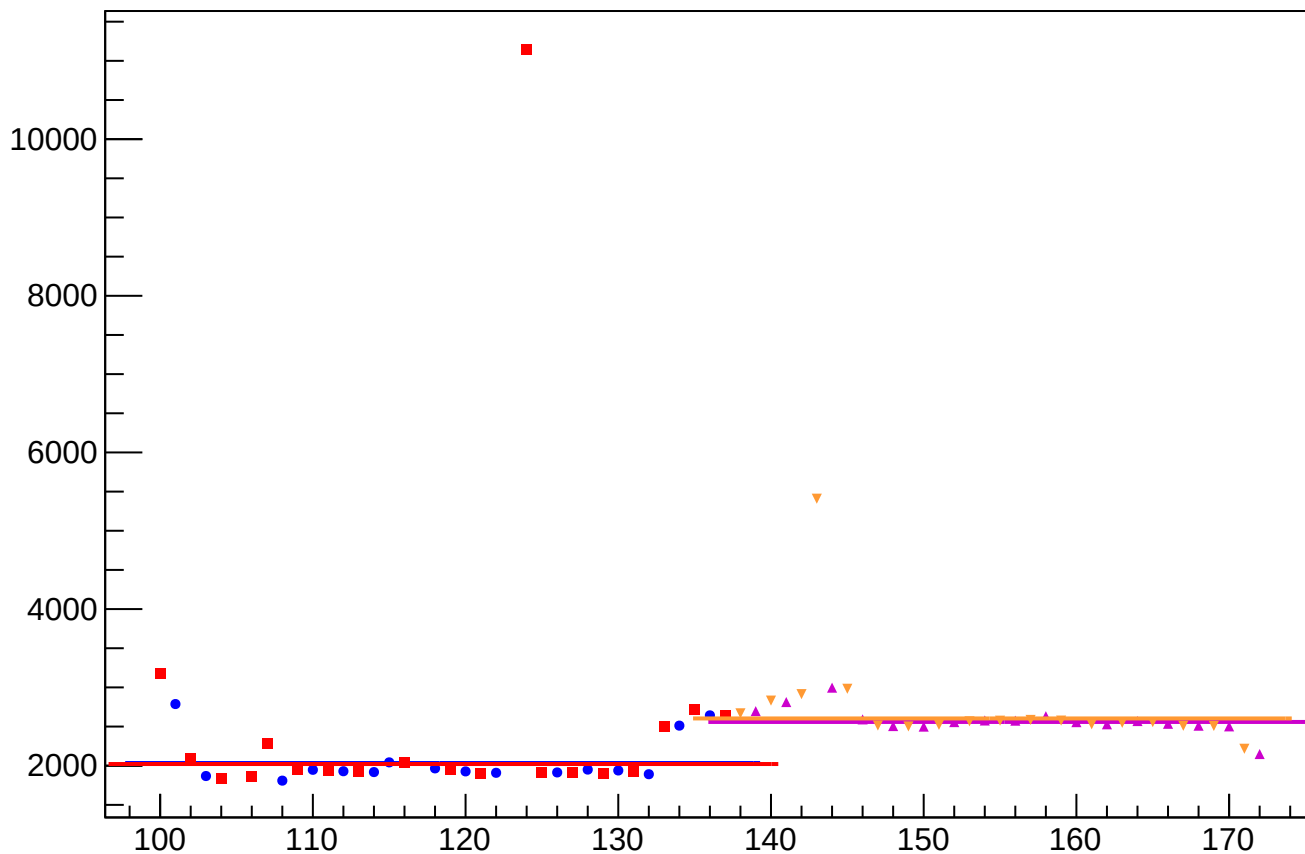
Left In: -2917.355 $\pm$ 684.581 χ^2 /NDF:7.2/16

+ sign 911.422 $\pm$ 514.769 χ^2 /NDF: 52.2/33

All: -870.718 $\pm$ 361.396 χ^2 /NDF: 101.7/69

- sign -2602.827 $\pm$ 507.492 χ^2 /NDF: 25.8/35

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

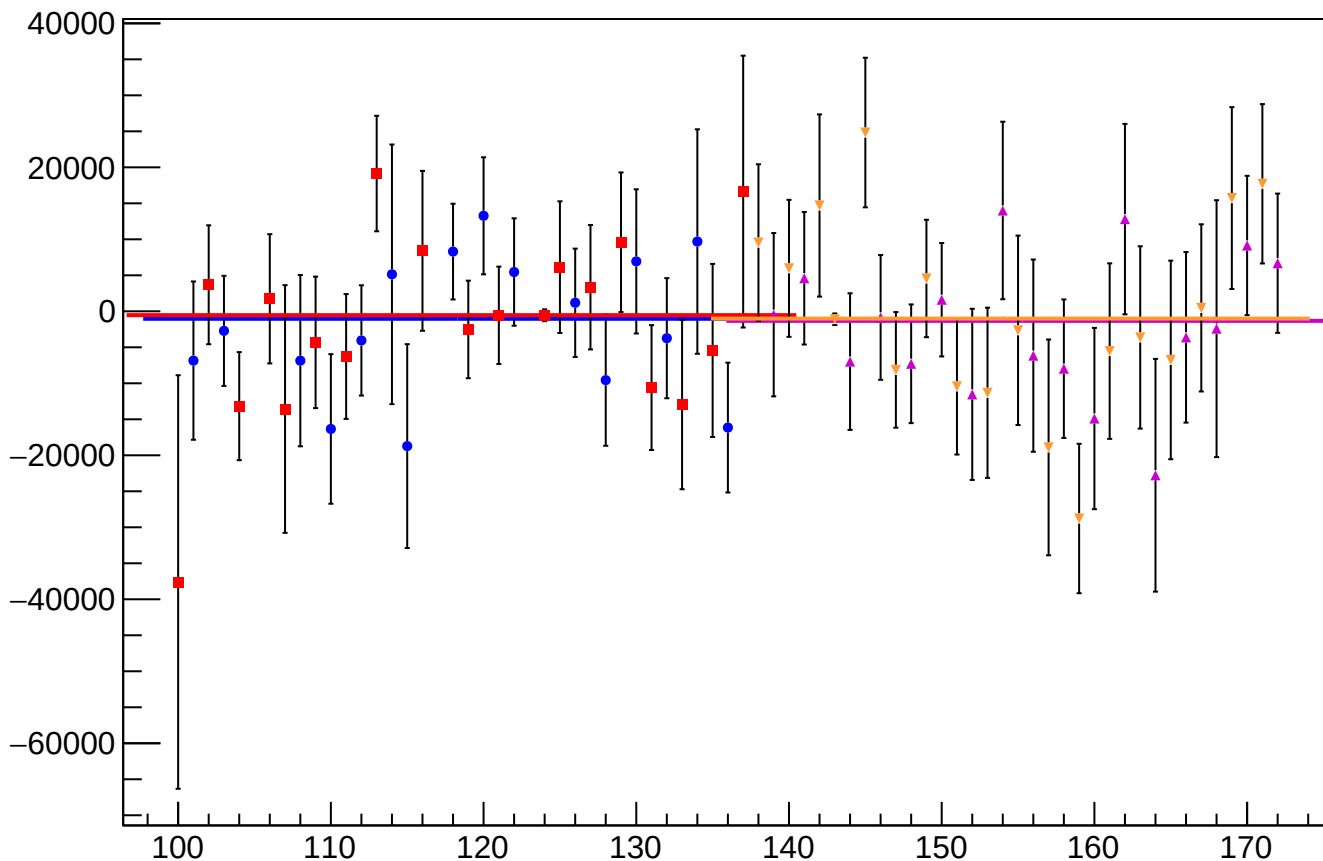
Left In: 2558.794+/-0.484 χ^2/NDF : 121714.0/16

+ sign 2345.293+/-0.364 χ^2/NDF : 1420829.0/33

All: 2330.844+/-0.256 χ^2/NDF : 2490791.0/69

- sign 2316.800+/-0.359 χ^2/NDF : 1066854.9/35

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

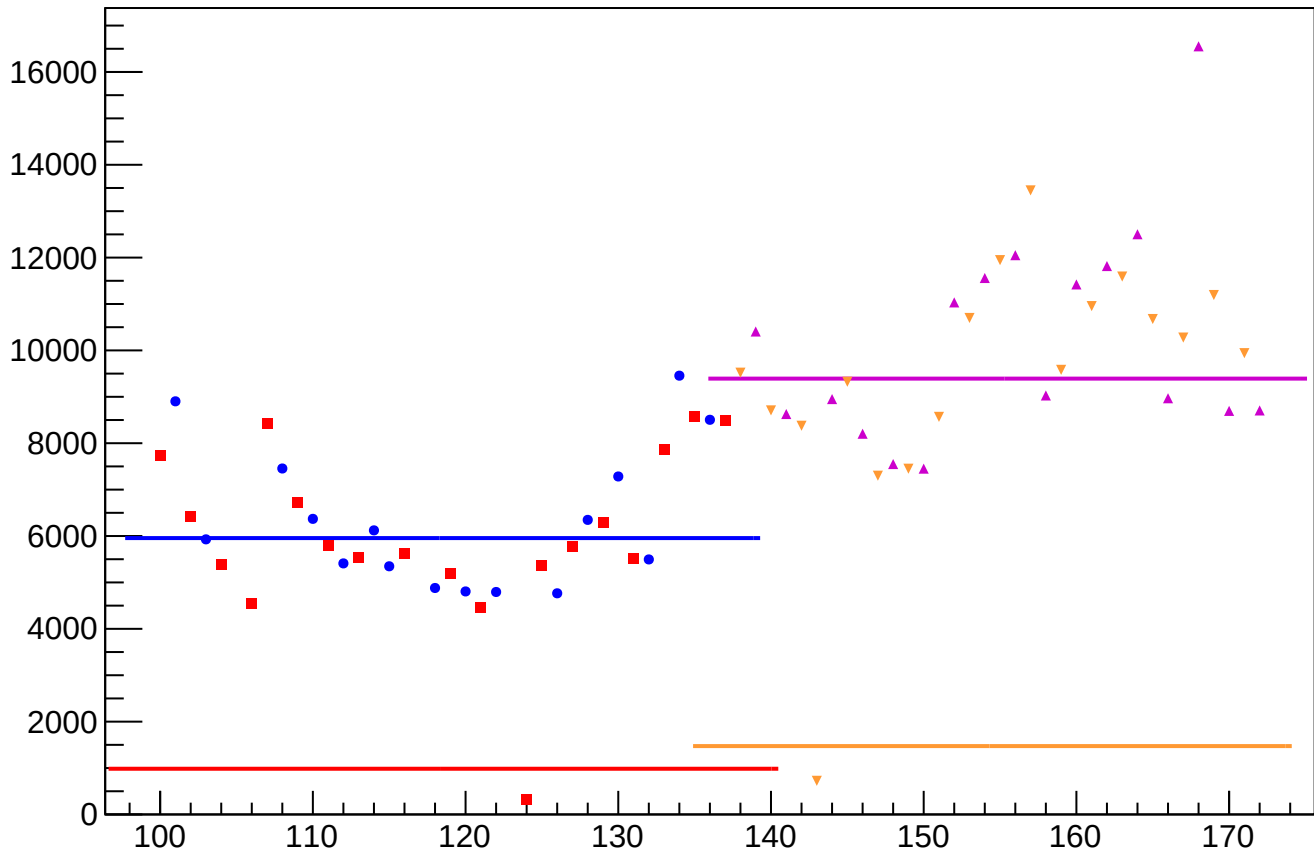
Left In: -1325.305 ± 2561.707 χ^2/NDF : 10.3/16

+ sign -1012.655 ± 730.944 χ^2/NDF : 41.2/33

All: -805.744 ± 518.495 χ^2/NDF : 69.8/69

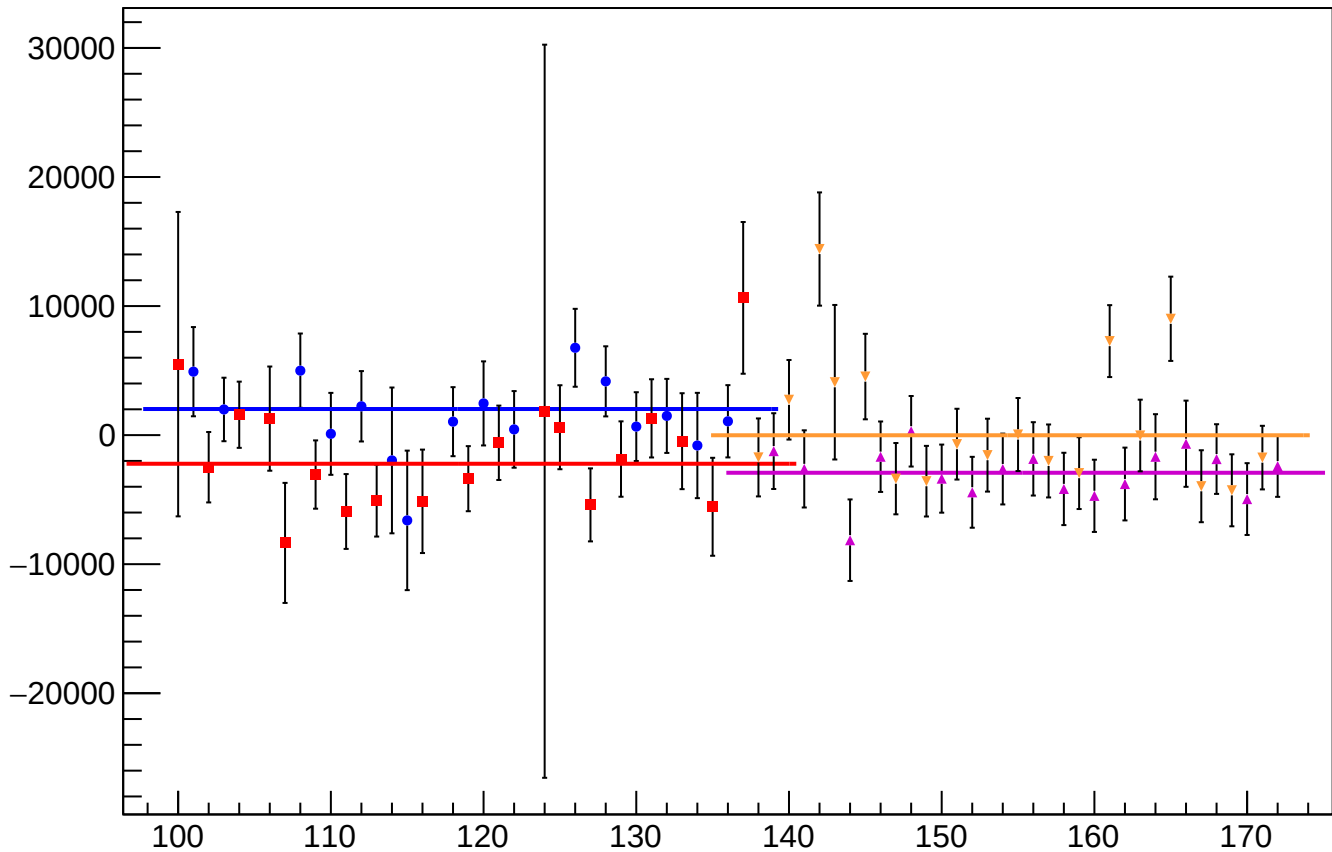
- sign -596.186 ± 735.604 χ^2/NDF : 28.4/35

asym_atl2_cor_correction_rms vs Slug



Right In: 5955.638+/-1.610	χ^2/NDF : 689141.5/15	+ sign 1935.434+/-0.517	χ^2/NDF : 28467165.7/33
Left Out: 1473.192+/-0.546	χ^2/NDF : 20821699.6/17	All: 1807.670+/-0.367	χ^2/NDF : 60780981.0/6
Right Out: 985.045+/-0.543	χ^2/NDF : 11412843.1/18	- sign 1678.272+/-0.520	χ^2/NDF : 32190822.7/35
Left In: 9392.134+/-1.811	χ^2/NDF : 1013353.7/16		

eigen_cor_asym_atl2_mean vs Slug



Right In: 2022.816 $\pm$ 764.357 χ^2 /NDF: 9.6/15

Left Out: -11.055 $\pm$ 696.370 χ^2 /NDF:38.8/17

Right Out: -2219.099 $\pm$ 756.147 χ^2 /NDF: 18.1/18

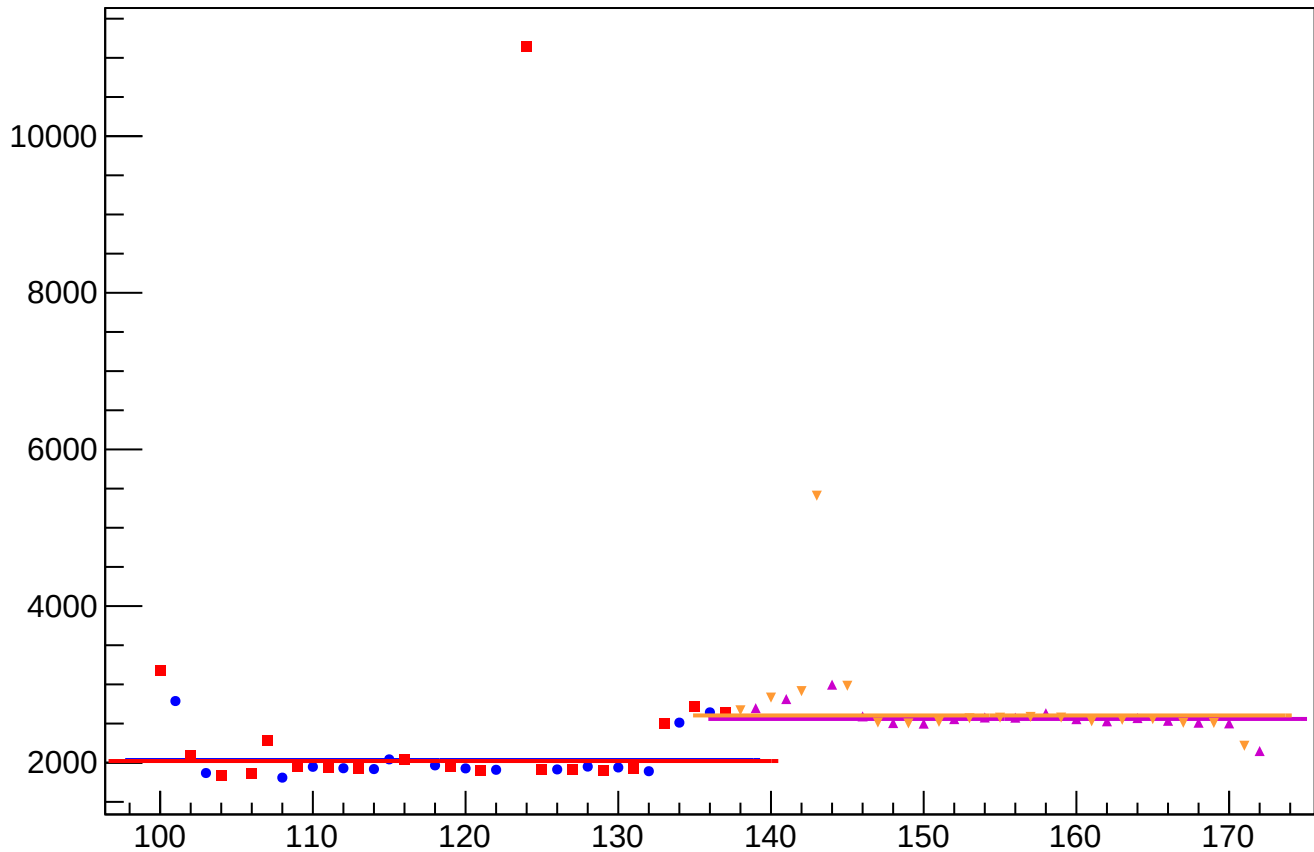
Left In: -2917.355 $\pm$ 684.581 χ^2 /NDF:7.2/16

+ sign 911.422 $\pm$ 514.769 χ^2 /NDF: 52.2/33

All: -870.718 $\pm$ 361.396 χ^2 /NDF: 101.7/69

- sign -2602.827 $\pm$ 507.492 χ^2 /NDF: 25.8/35

eigen_cor_asym_atl2_rms vs Slug



Right In: 2034.159 $\pm$ 0.540 χ^2/NDF : 262960.5/15

Left Out: 2603.540 $\pm$ 0.492 χ^2/NDF : 551428.4/17

Right Out: 2021.566 $\pm$ 0.535 χ^2/NDF : 390333.0/18

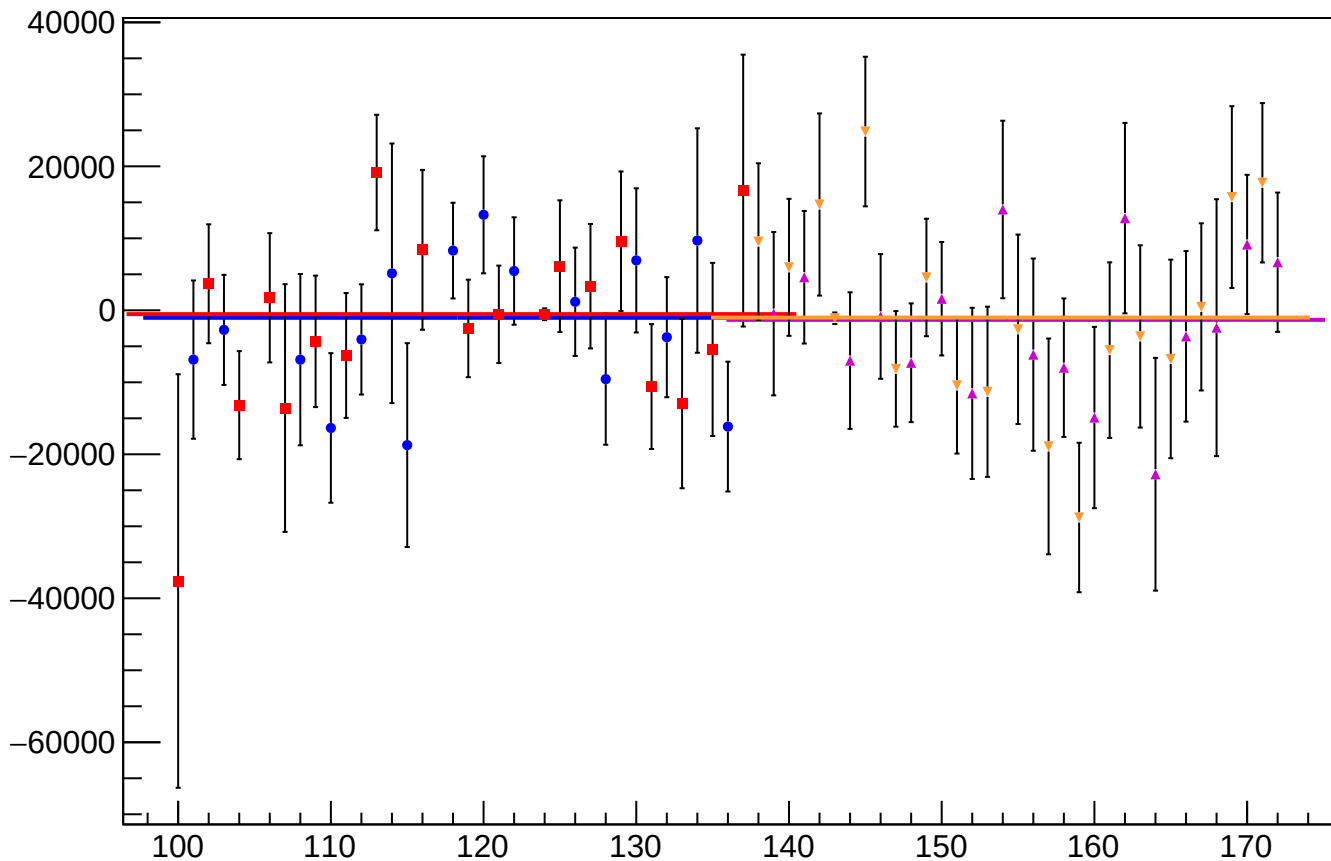
Left In: 2558.794 $\pm$ 0.484 χ^2/NDF : 121714.0/16

+ sign 2345.293 $\pm$ 0.364 χ^2/NDF : 1420829.0/33

All: 2330.844 $\pm$ 0.256 χ^2/NDF : 2490791.0/69

- sign 2316.800 $\pm$ 0.359 χ^2/NDF : 1066854.9/35

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

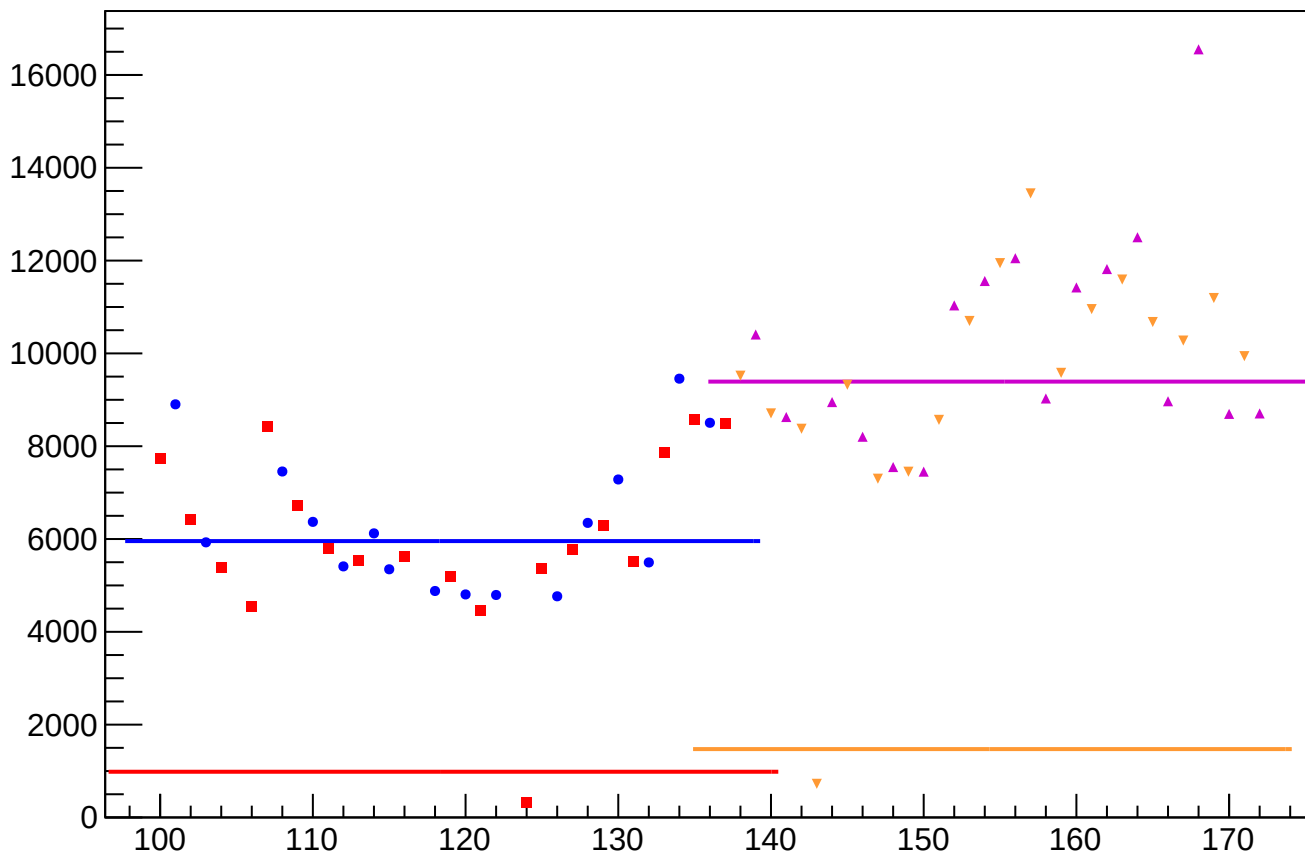
Left In: -1325.305 ± 2561.707 χ^2/NDF : 10.3/16

+ sign -1012.655 ± 730.944 χ^2/NDF : 41.2/33

All: -805.744 ± 518.495 χ^2/NDF : 69.8/69

- sign -596.186 ± 735.604 χ^2/NDF : 28.4/35

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5955.638 $\pm$ 1.610 χ^2 /NDF: 689141.5/15

Left Out: 1473.192 $\pm$ 0.546 χ^2 /NDF: 20821699.6/17

Right Out: 985.045 $\pm$ 0.543 χ^2 /NDF: 11412843.1/18

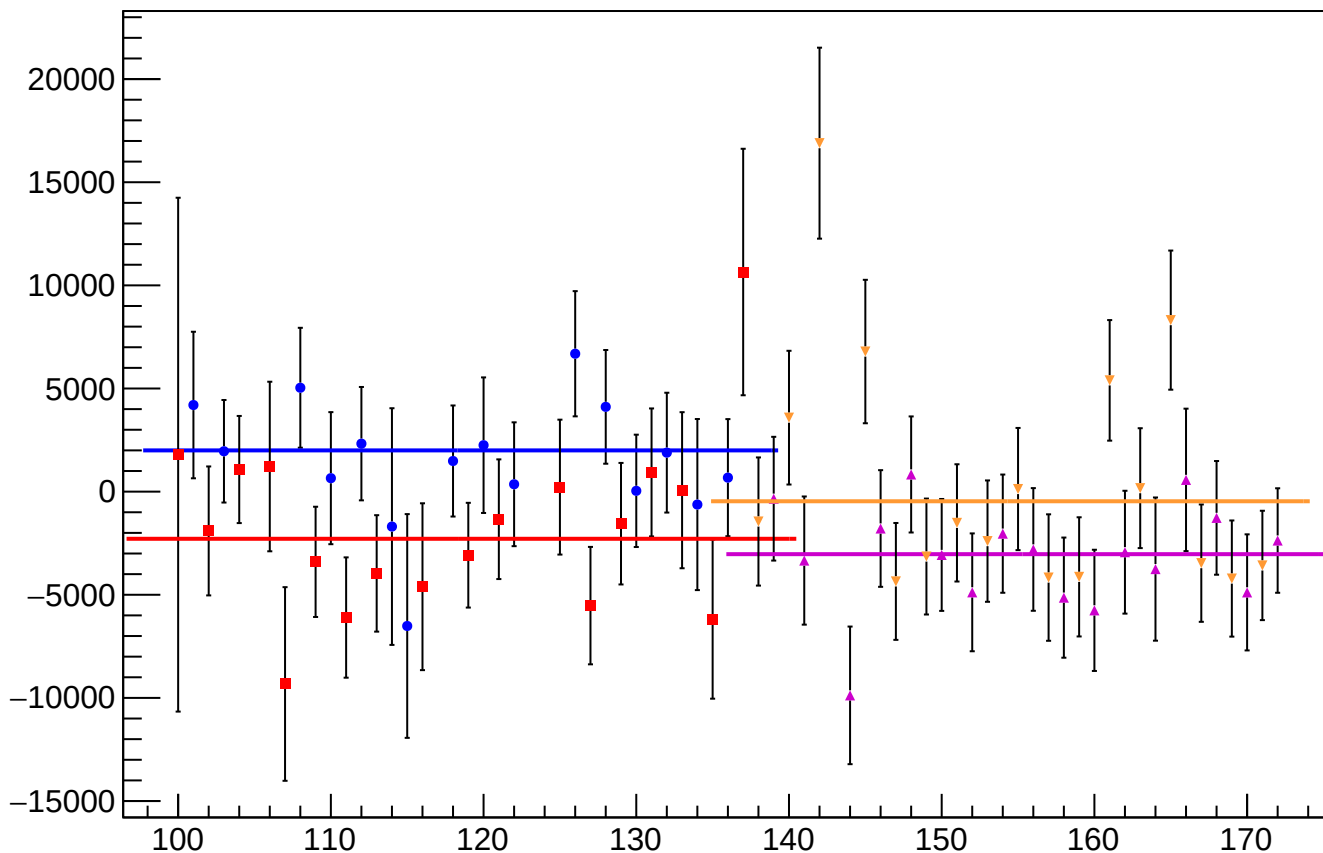
Left In: 9392.134 $\pm$ 1.811 χ^2 /NDF: 1013353.7/16

+ sign 1935.434 $\pm$ 0.517 χ^2 /NDF: 28467165.7/33

All: 1807.670 $\pm$ 0.367 χ^2 /NDF: 60780981.0/6

- sign 1678.272 $\pm$ 0.520 χ^2 /NDF: 32190822.7/35

dit_asym_atl2_mean vs Slug



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

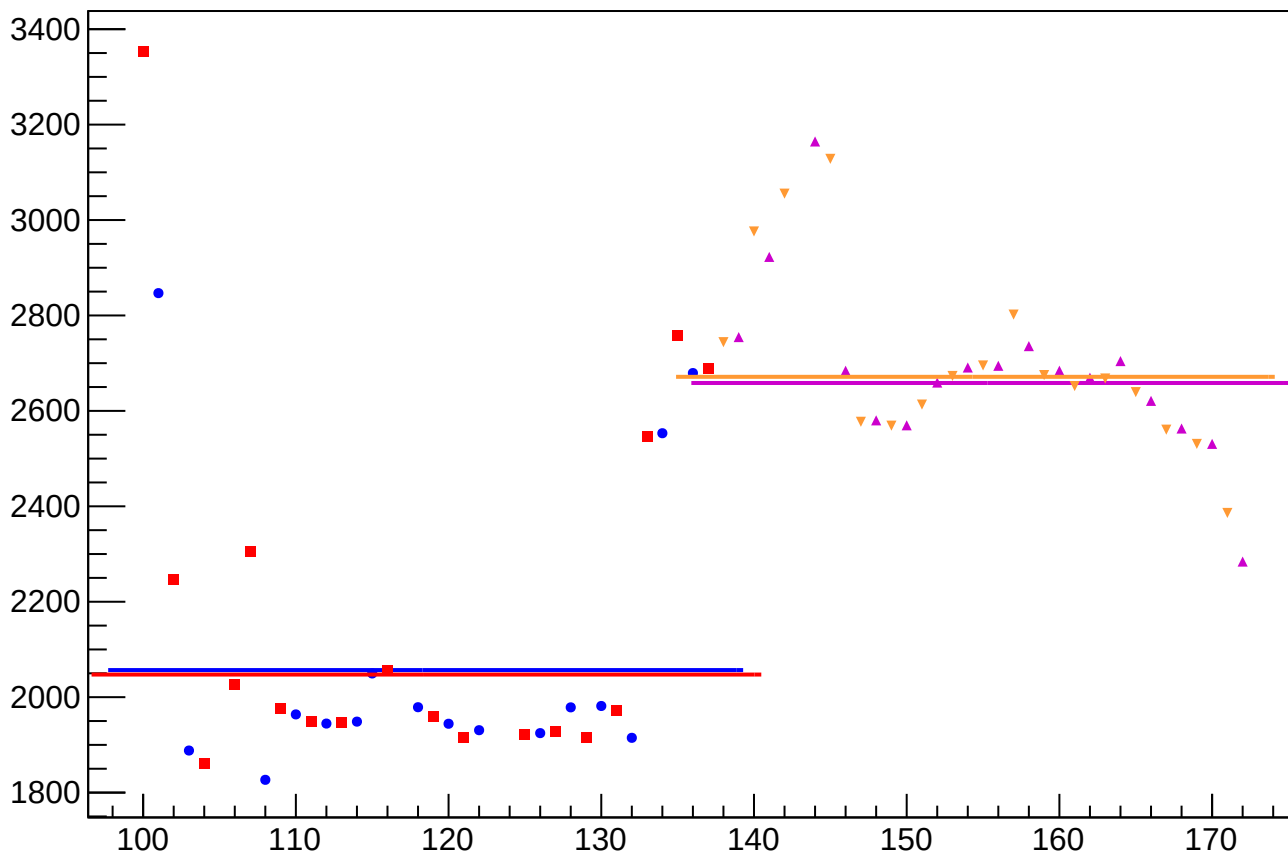
Left In: -3031.557 ± 711.295 χ^2/NDF : 11.1/16

+ sign 695.535 ± 531.073 χ^2/NDF : 56.0/32

All: -1022.937 ± 372.598 χ^2/NDF : 104.9/67

- sign -2688.857 ± 522.889 χ^2/NDF : 28.2/34

dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2671.413 $\pm$ 0.516 χ^2 /NDF:107948.6/16

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.0/17

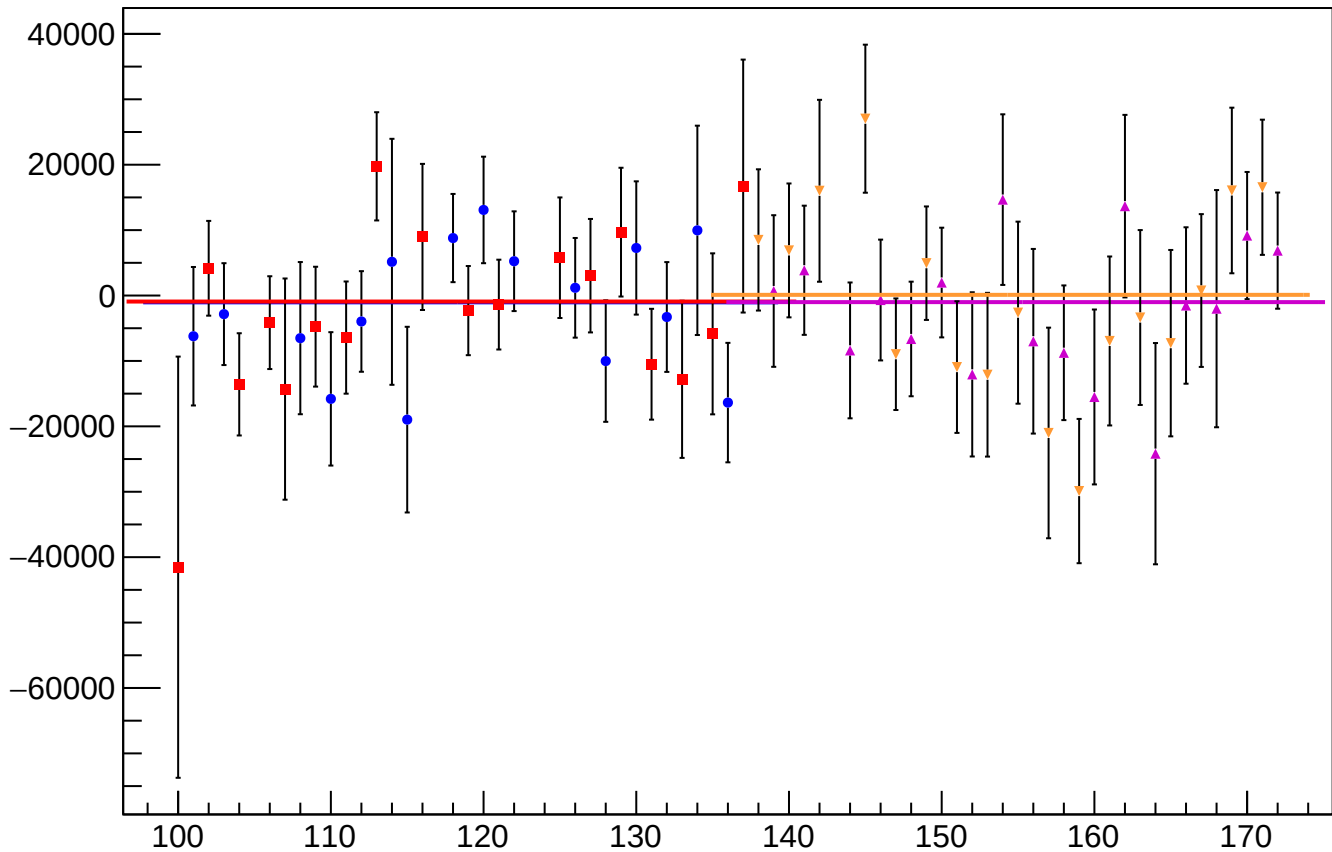
Left In: 2658.482 $\pm$ 0.503 χ^2 /NDF:119336.1/16

+ sign 2381.712 $\pm$ 0.376 χ^2 /NDF: 1045891.4/32

All: 2379.406 $\pm$ 0.263 χ^2 /NDF: 2041360.4/67

- sign 2377.174 $\pm$ 0.369 χ^2 /NDF: 995394.7/34

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

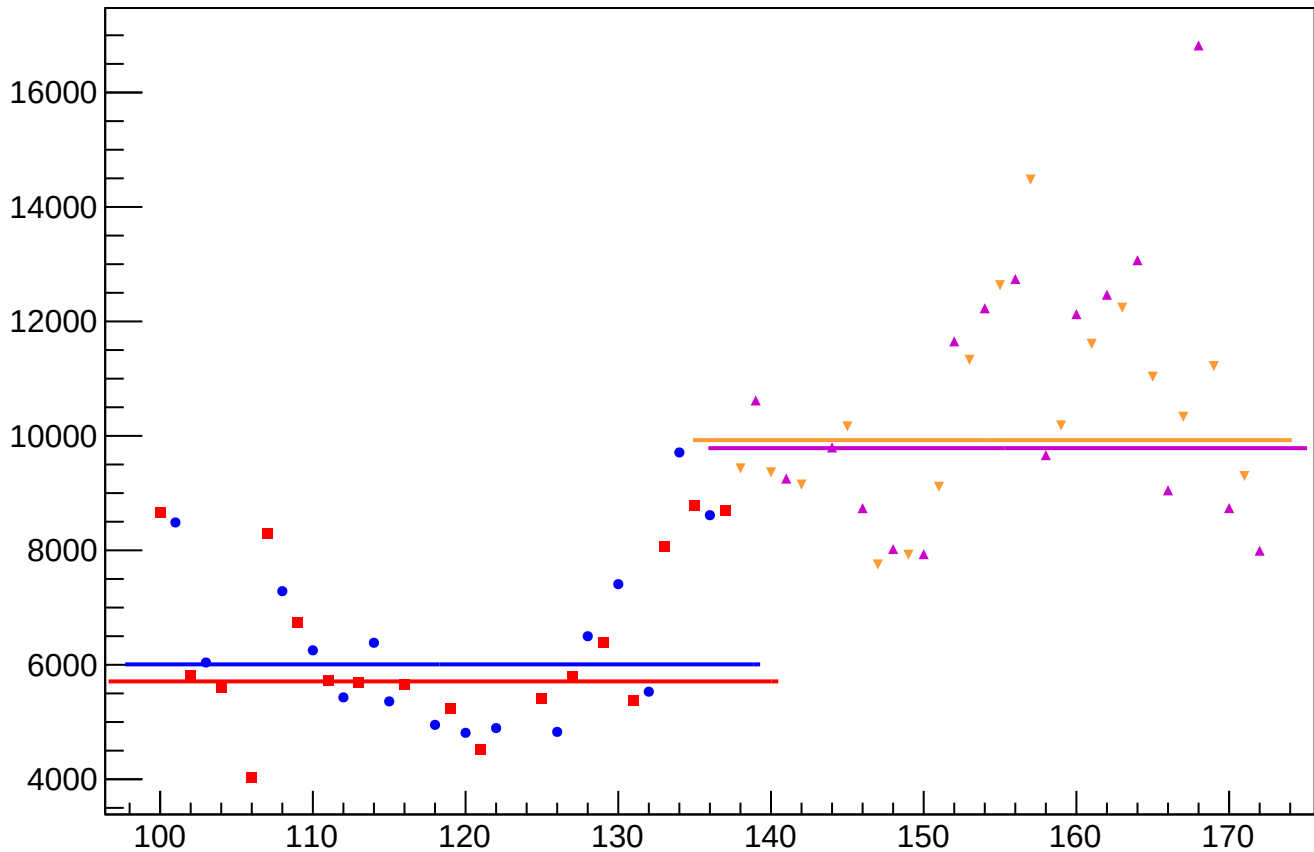
Left In: -1007.609 ± 2671.120 χ^2/NDF : 10.3/16

+ sign -573.859 ± 1764.966 χ^2/NDF : 41.0/32

All: -773.968 ± 1215.069 χ^2/NDF : 69.7/67

- sign -954.257 ± 1675.275 χ^2/NDF : 28.7/34

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

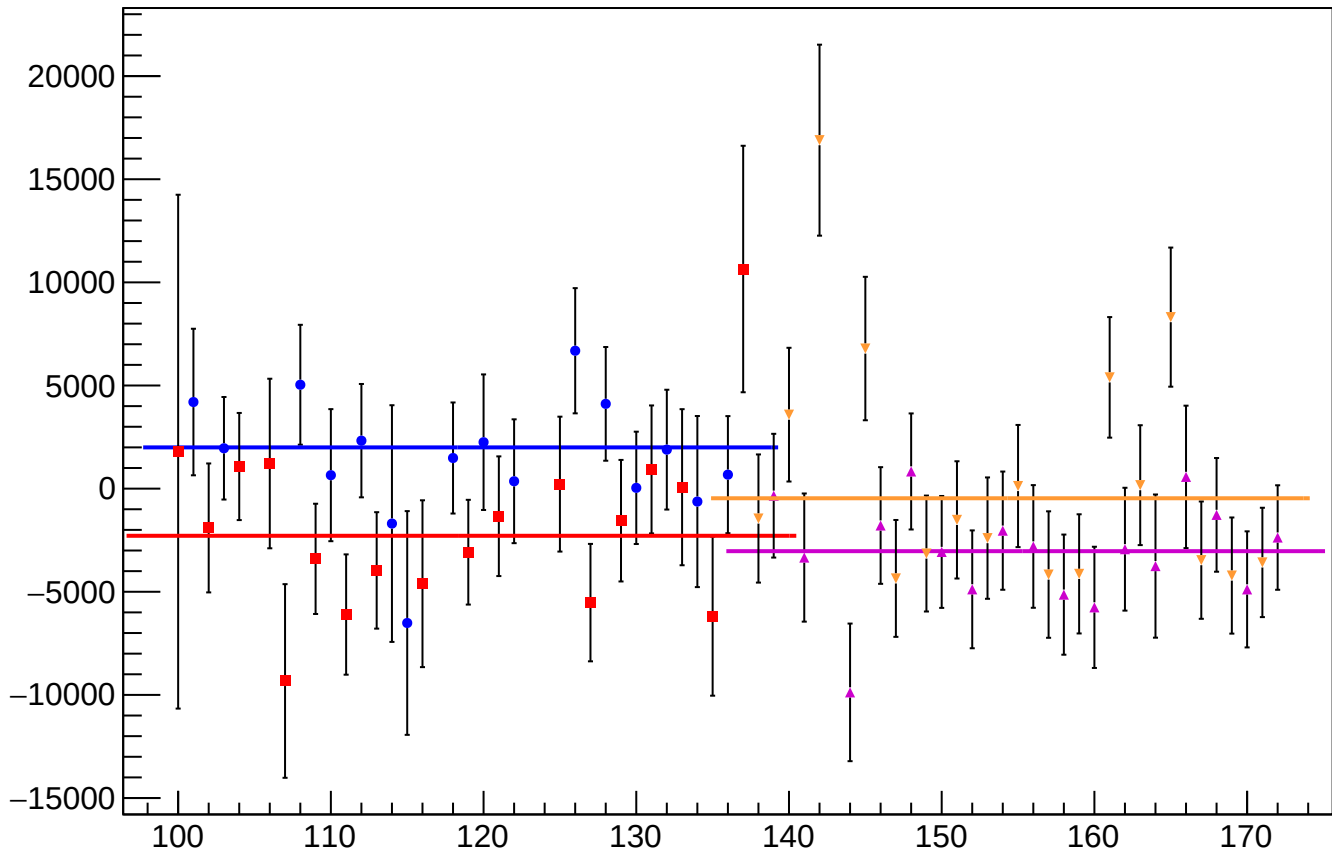
Left In: 9785.598+/-1.889 χ^2/NDF : 1046950.7/16

+ sign 7607.595+/-1.248 χ^2/NDF : 3701255.0/32

All: 7452.676+/-0.859 χ^2/NDF : 8138178.2/67

- sign 7313.101+/-1.185 χ^2/NDF : 4407631.9/34

eigen_dit_asym_atl2_mean vs Slug



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

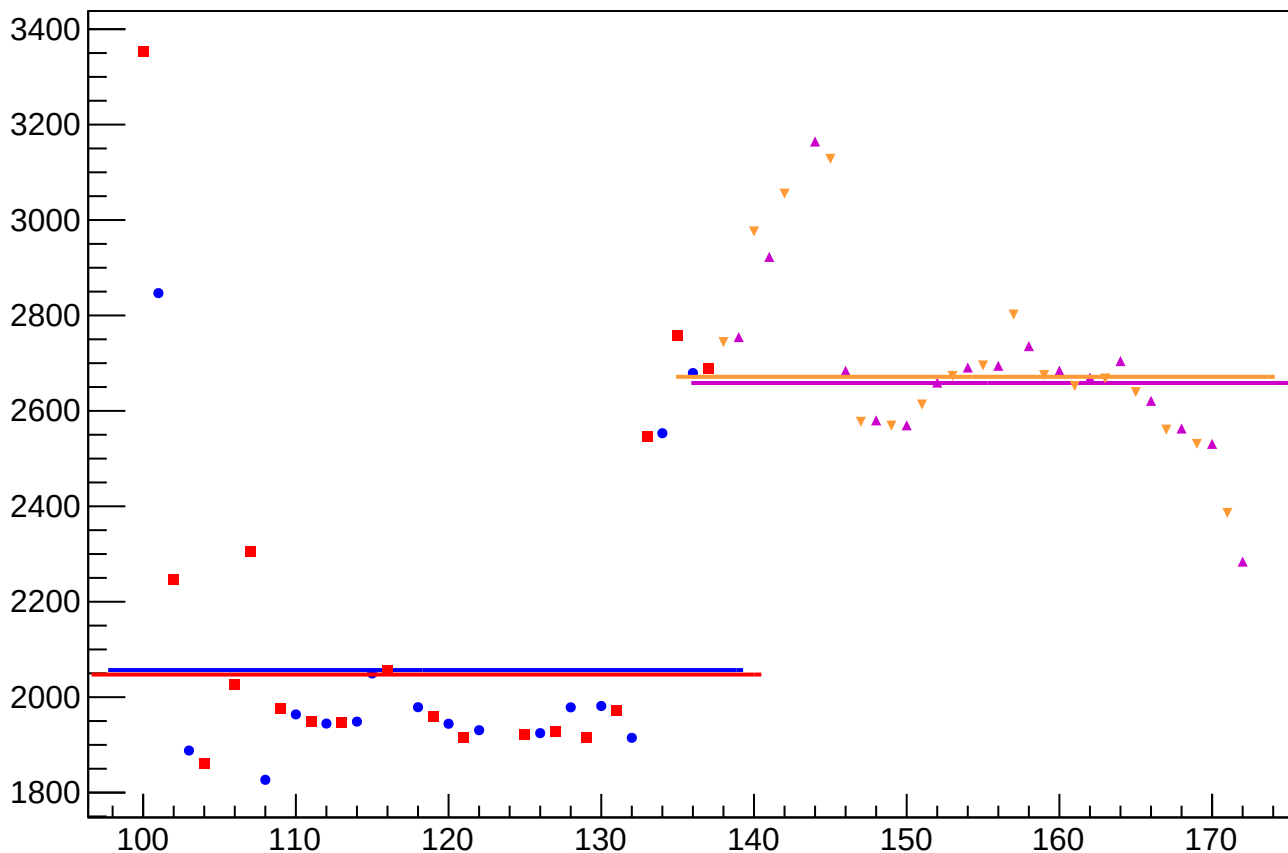
Left In: -3031.557 ± 711.296 χ^2/NDF : 11.1/16

+ sign 695.534 ± 531.073 χ^2/NDF : 56.0/32

All: -1022.939 ± 372.598 χ^2/NDF : 104.9/67

- sign -2688.858 ± 522.890 χ^2/NDF : 28.2/34

eigen_dit_asym_atl2_rms vs Slug



Right In: 2056.796 $\pm$ 0.547 χ^2 /NDF: 270454.5/15

Left Out: 2671.414 $\pm$ 0.516 χ^2 /NDF:107953.0/16

Right Out: 2047.400 $\pm$ 0.545 χ^2 /NDF: 196523.3/17

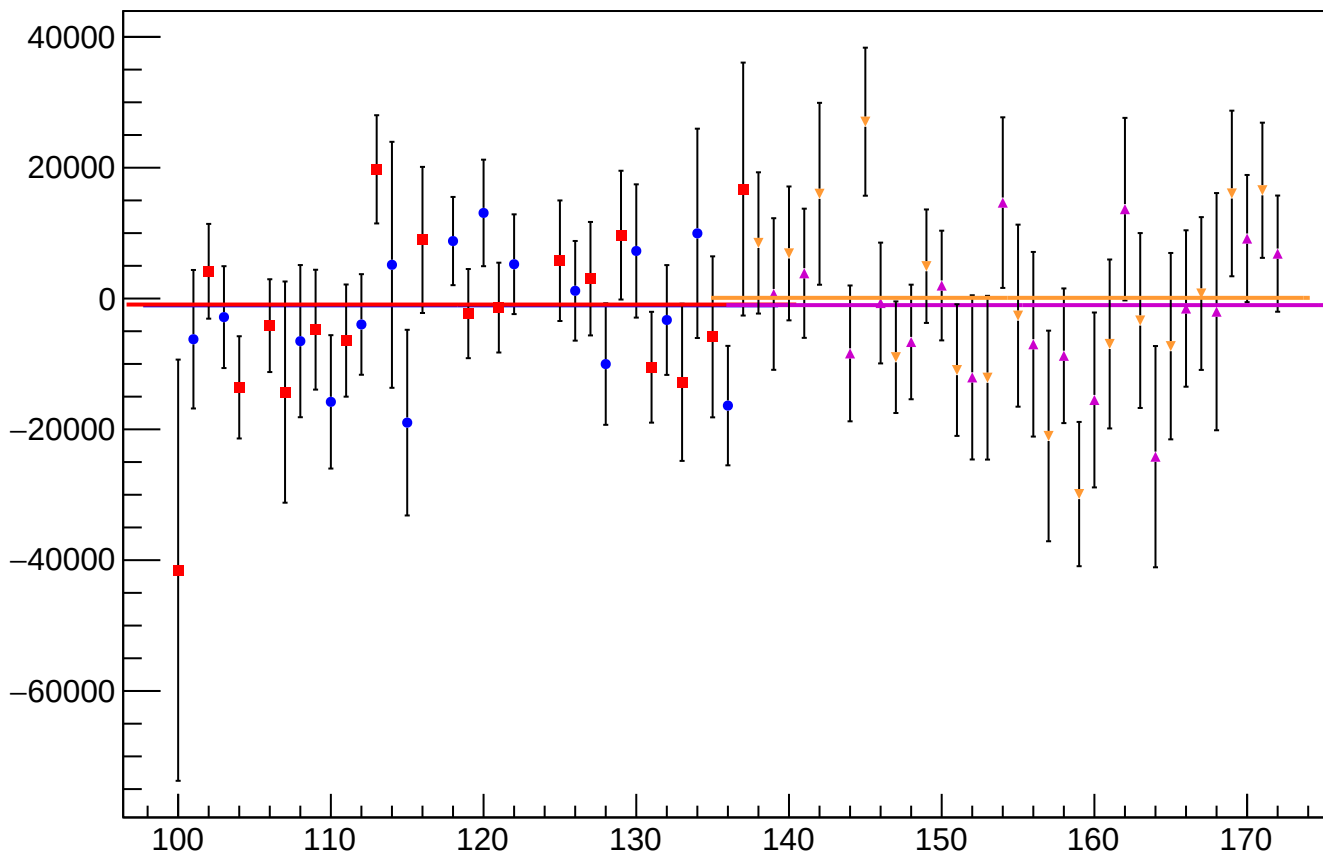
Left In: 2658.483 $\pm$ 0.503 χ^2 /NDF:119340.5/16

+ sign 2381.712 $\pm$ 0.376 χ^2 /NDF: 1045897.7/32

All: 2379.406 $\pm$ 0.263 χ^2 /NDF: 2041374.2/67

- sign 2377.174 $\pm$ 0.369 χ^2 /NDF: 995402.2/34

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

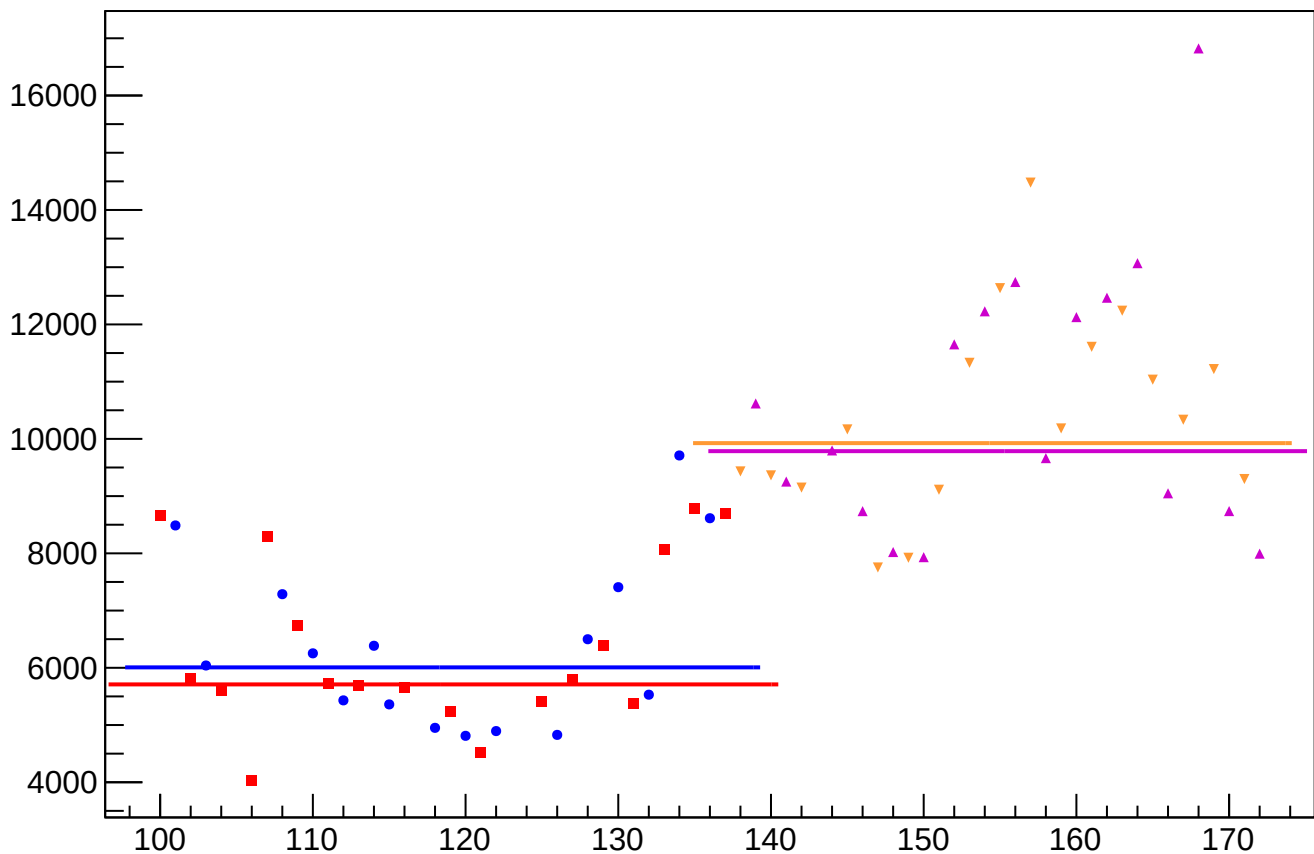
Left In: -1007.610+/-2671.124 χ^2/NDF : 10.3/16

+ sign -573.858+/-1764.964 χ^2/NDF : 41.0/32

All: -773.970+/-1215.068 χ^2/NDF : 69.7/67

- sign -954.260+/-1675.273 χ^2/NDF : 28.7/34

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

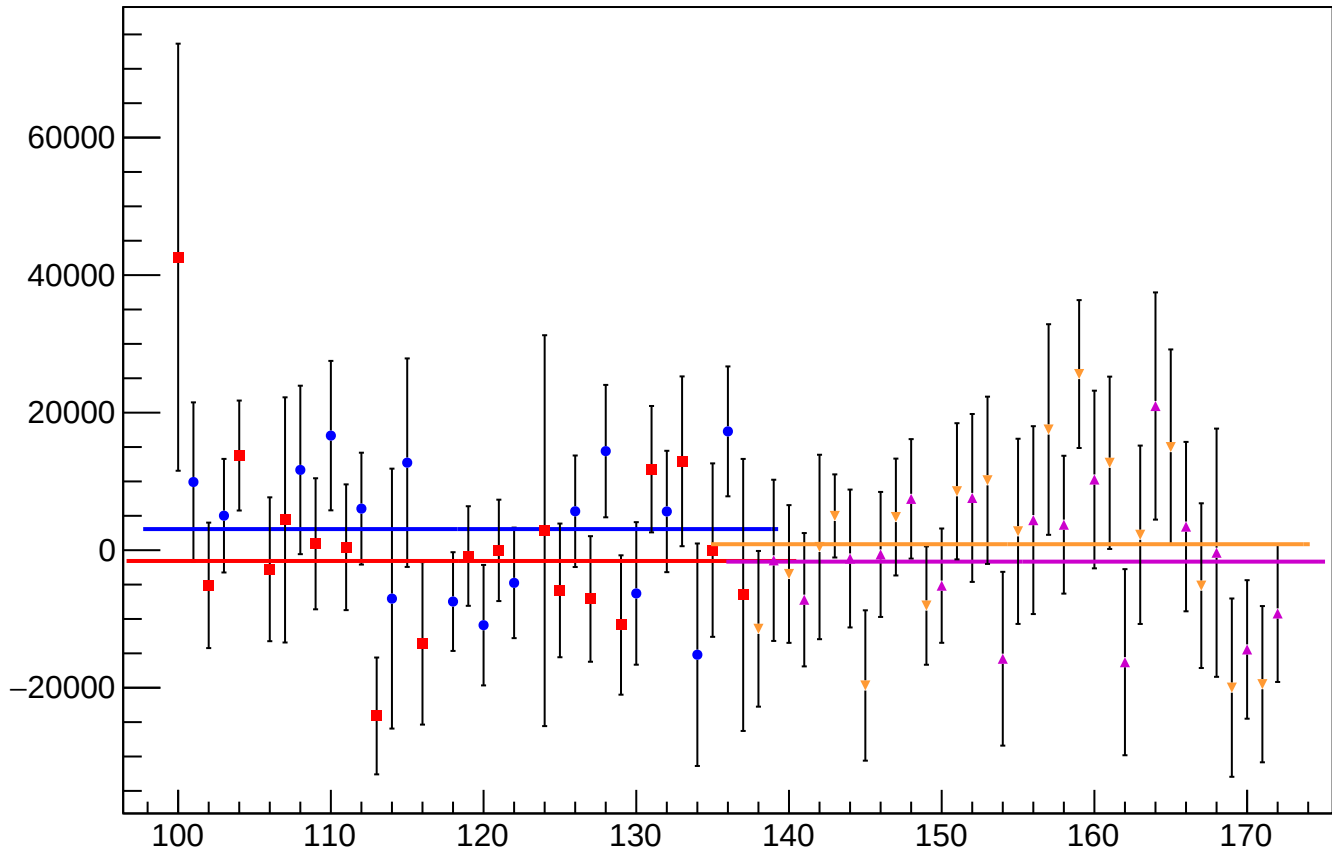
Left In: 9785.612+/-1.889 χ^2/NDF : 1046952.0/16

+ sign 7607.581+/-1.248 χ^2/NDF : 3701308.9/32

All: 7452.662+/-0.859 χ^2/NDF : 8138281.8/67

- sign 7313.088+/-1.185 χ^2/NDF : 4407681.7/34

asym_atl2_mean vs Slug



Right In: 3070.293 $\pm$ 2420.721 χ^2 /NDF: 14.9/15

Left Out: 871.740 $\pm$ 2501.831 χ^2 /NDF: 22.3/17

Right Out: -1567.088 $\pm$ 2335.884 χ^2 /NDF: 19.2/18

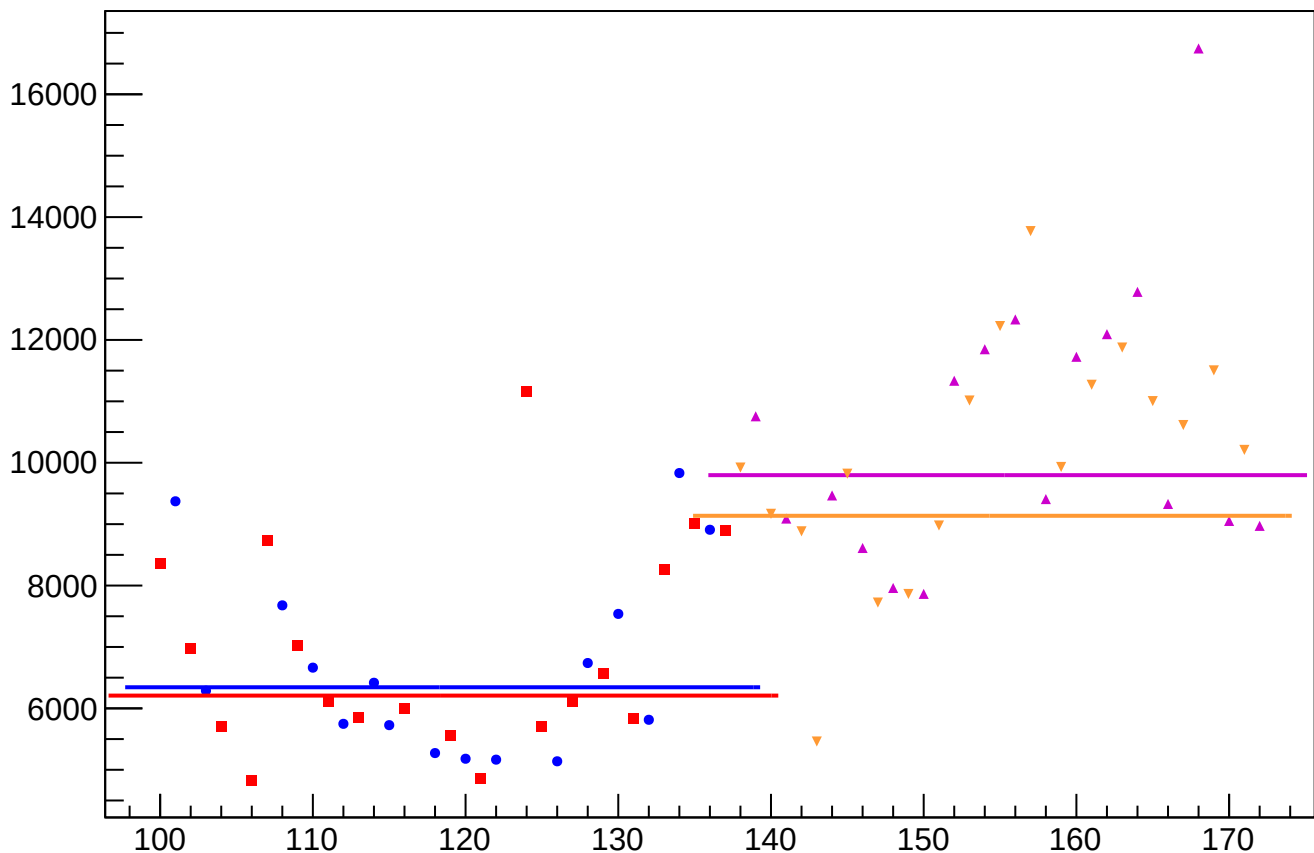
Left In: -1663.280 $\pm$ 2666.014 χ^2 /NDF: 10.2/16

+ sign 2007.233 $\pm$ 1739.676 χ^2 /NDF: 37.5/33

All: 217.009 $\pm$ 1236.186 χ^2 /NDF: 69.1/69

- sign -1608.863 $\pm$ 1756.912 χ^2 /NDF: 29.4/35

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

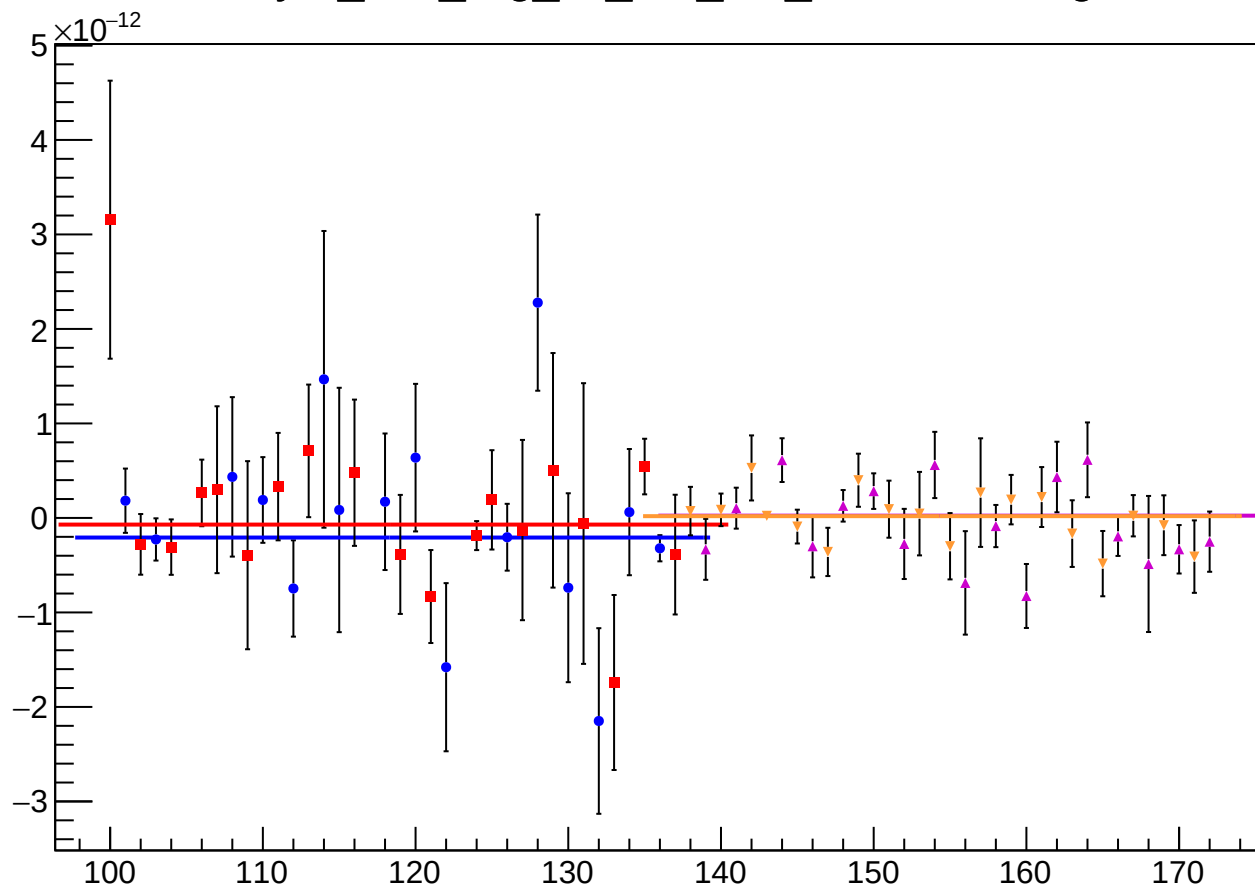
Left In: 9797.880+/-1.885 χ^2 /NDF:905630.0/16

+ sign 7693.999+/-1.230 χ^2 /NDF: 3409763.2/33

All: 7730.181+/-0.874 χ^2 /NDF: 6840330.4/69

- sign 7767.083+/-1.242 χ^2 /NDF: 3428819.7/35

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

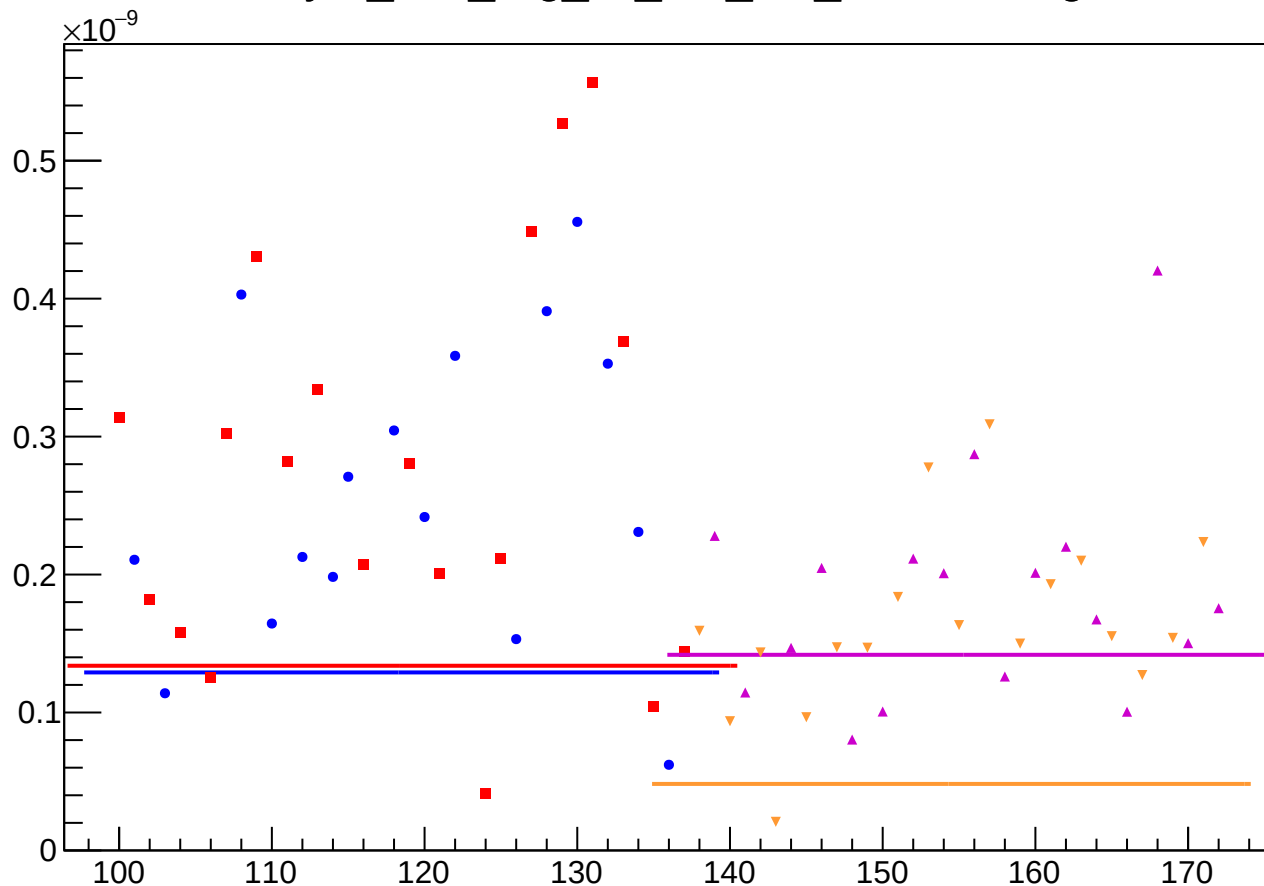
Left In: 0.000 ± 0.000 χ^2/NDF : 30.0/16

+ sign -0.000 ± 0.000 χ^2/NDF : 38.5/33

All: -0.000 ± 0.000 χ^2/NDF : 90.0/69

- sign -0.000 ± 0.000 χ^2/NDF : 51.5/35

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1720321.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 6358639.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2304489.5/18

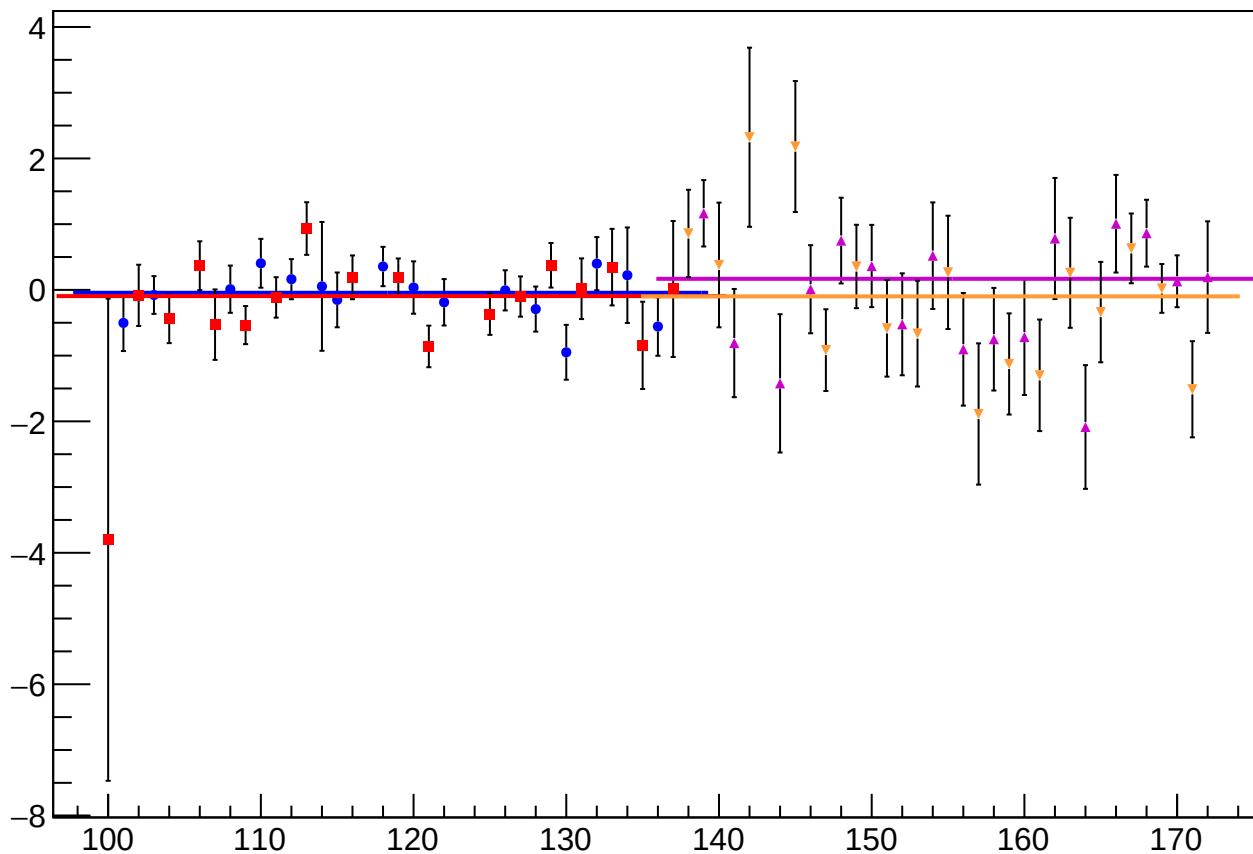
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1454721.4/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 9376861.9/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 16781083.9/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3768580.6/35

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

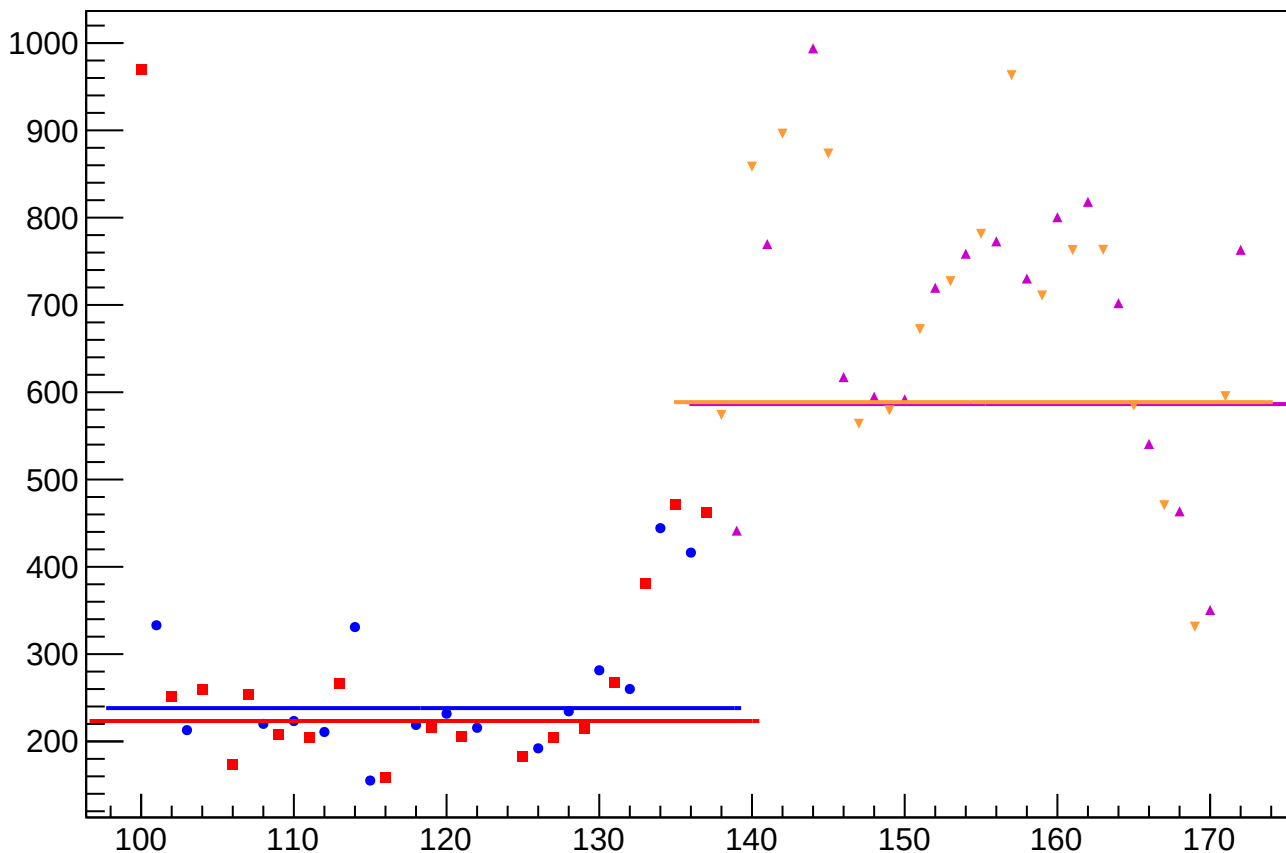
Left In: 0.168 ± 0.165 χ^2/NDF : 22.8/16

+ sign -0.057 ± 0.082 χ^2/NDF : 39.8/32

All: -0.045 ± 0.057 χ^2/NDF : 89.9/67

- sign -0.034 ± 0.079 χ^2/NDF : 50.0/34

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

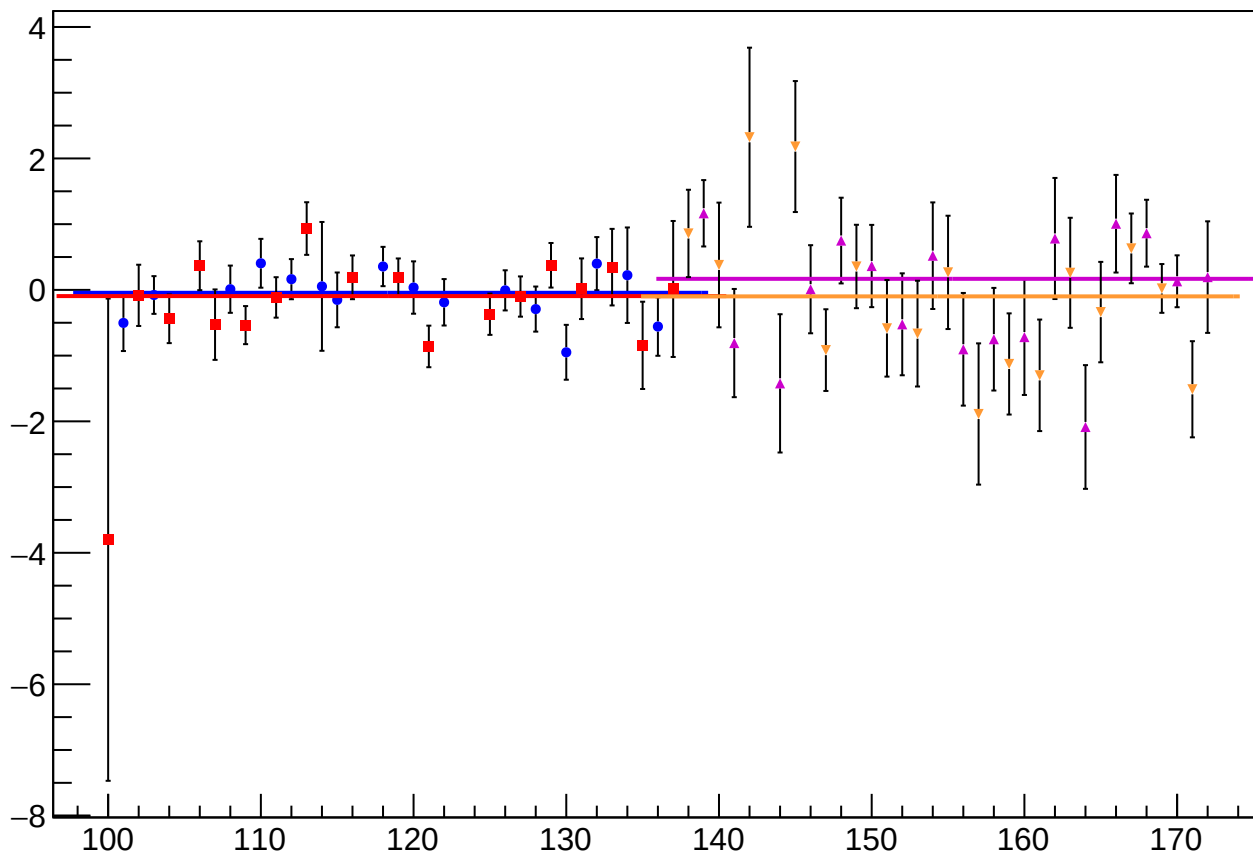
Left In: 586.443 ± 0.117 χ^2/NDF : 2080129.6/16

+ sign 319.780 ± 0.058 χ^2/NDF : 9450898.0/32

All: 312.947 ± 0.040 χ^2/NDF : 19875729.2/67

- sign 306.622 ± 0.056 χ^2/NDF : 10398187.7/34

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

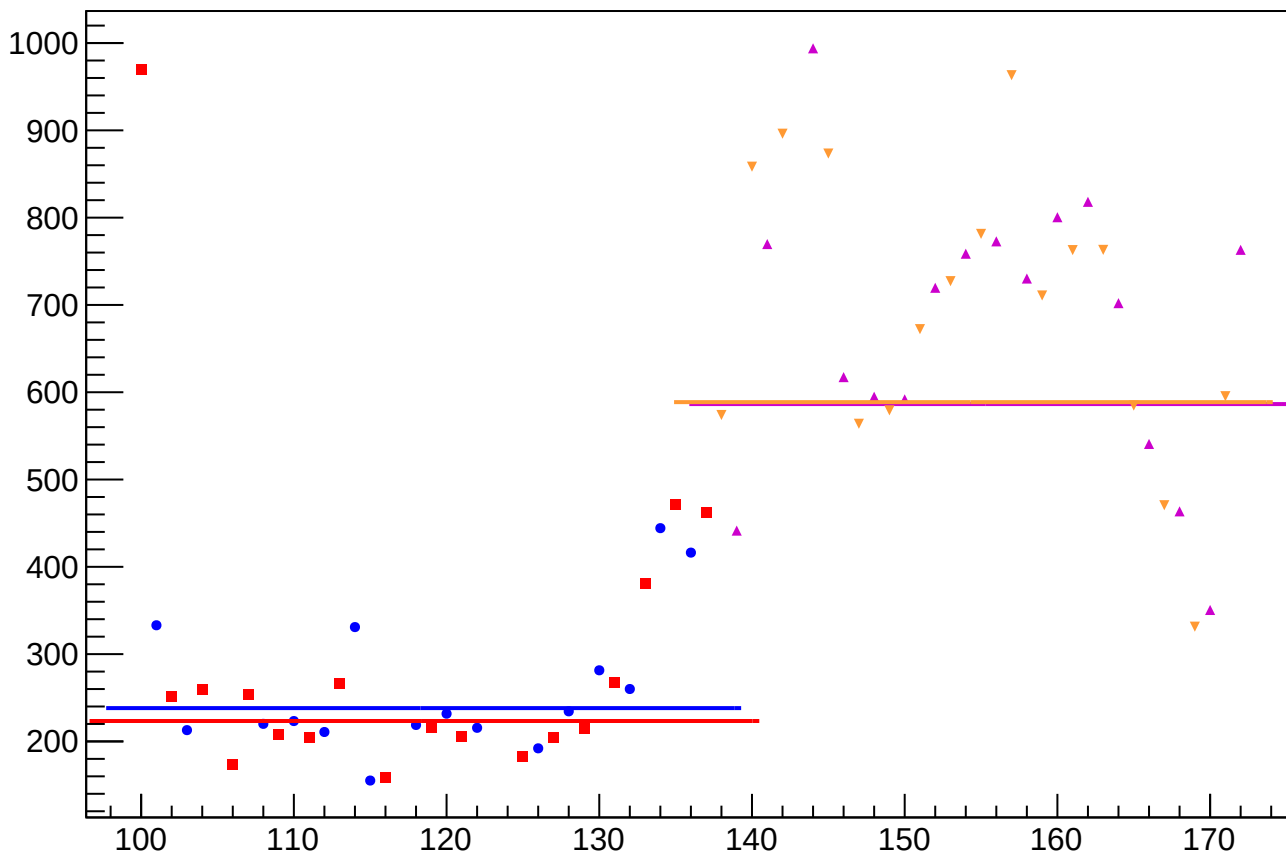
Left In: 0.168 ± 0.165 χ^2/NDF : 22.8/16

+ sign -0.057 ± 0.082 χ^2/NDF : 39.8/32

All: -0.045 ± 0.057 χ^2/NDF : 89.9/67

- sign -0.034 ± 0.079 χ^2/NDF : 50.0/34

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 238.165 $\pm$ 0.066 χ^2 /NDF: 807205.2/15

Left Out: 588.668 $\pm$ 0.120 χ^2 /NDF:2140936.0/16

Right Out: 223.388 $\pm$ 0.064 χ^2 /NDF: 862425.5/17

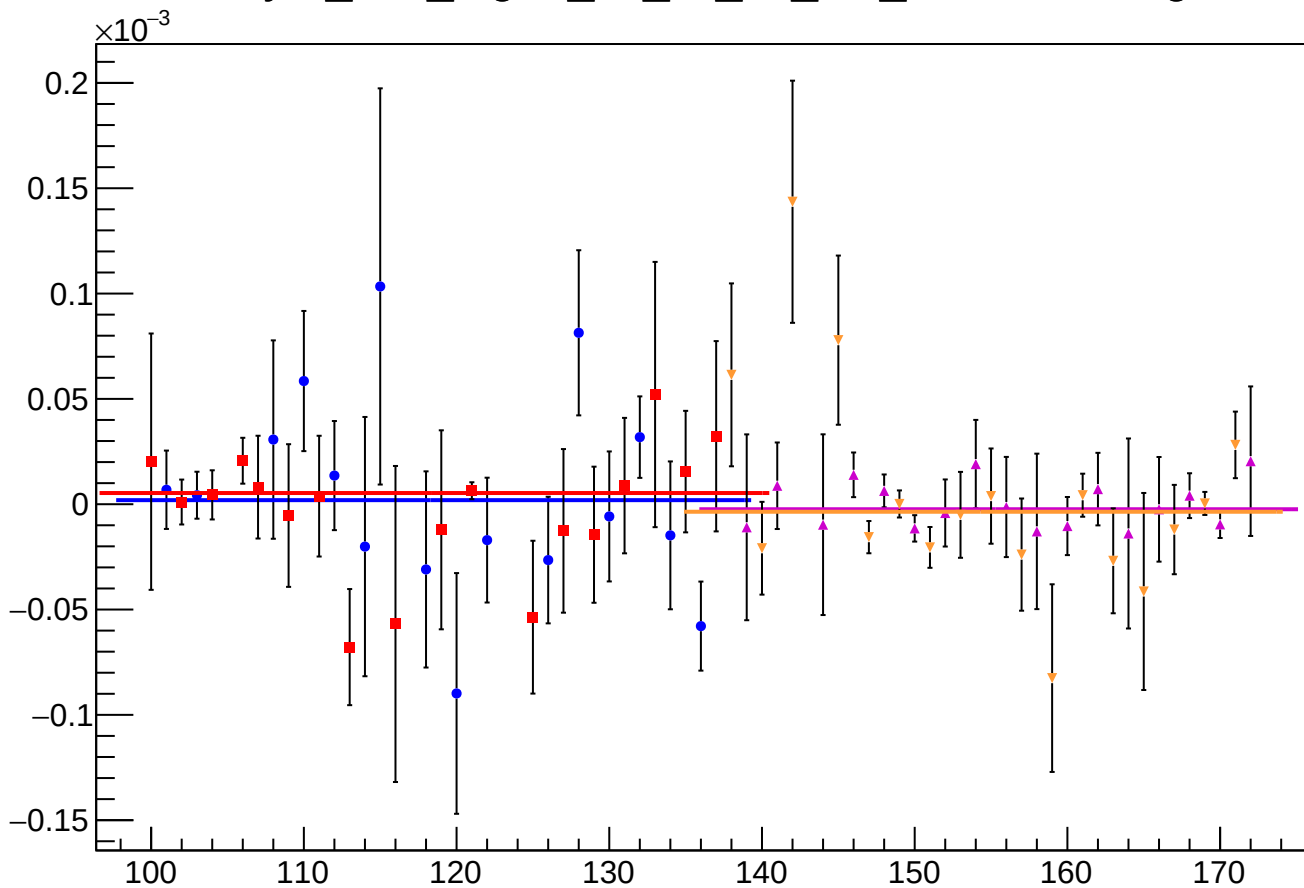
Left In: 586.443 $\pm$ 0.117 χ^2 /NDF:2080129.6/16

+ sign 319.780 $\pm$ 0.058 χ^2 /NDF: 9450898.0/32

All: 312.947 $\pm$ 0.040 χ^2 /NDF: 19875729.2/67

- sign 306.622 $\pm$ 0.056 χ^2 /NDF: 10398187.7/34

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/17

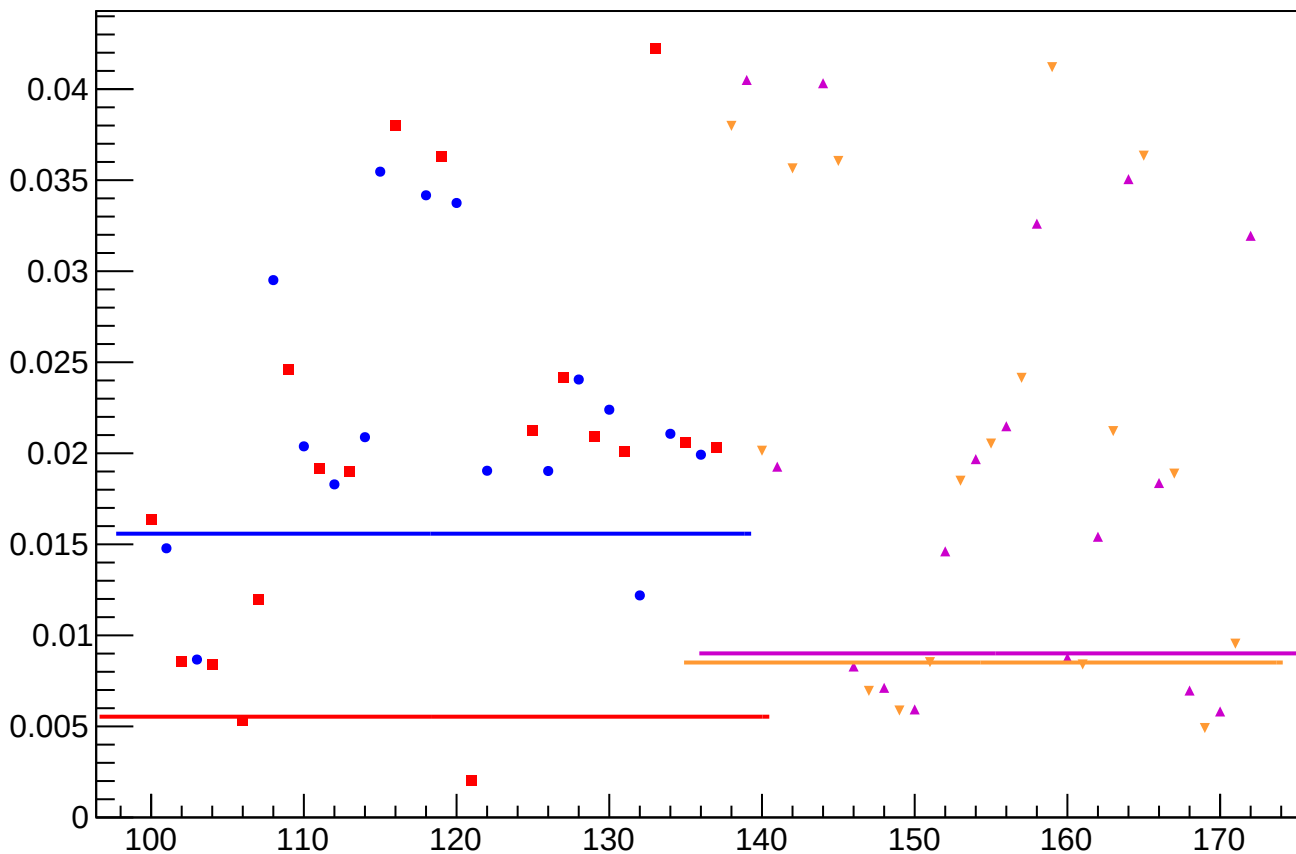
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.7/32

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 83.5/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/34

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2074656.7/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8678971.7/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7954965.8/17

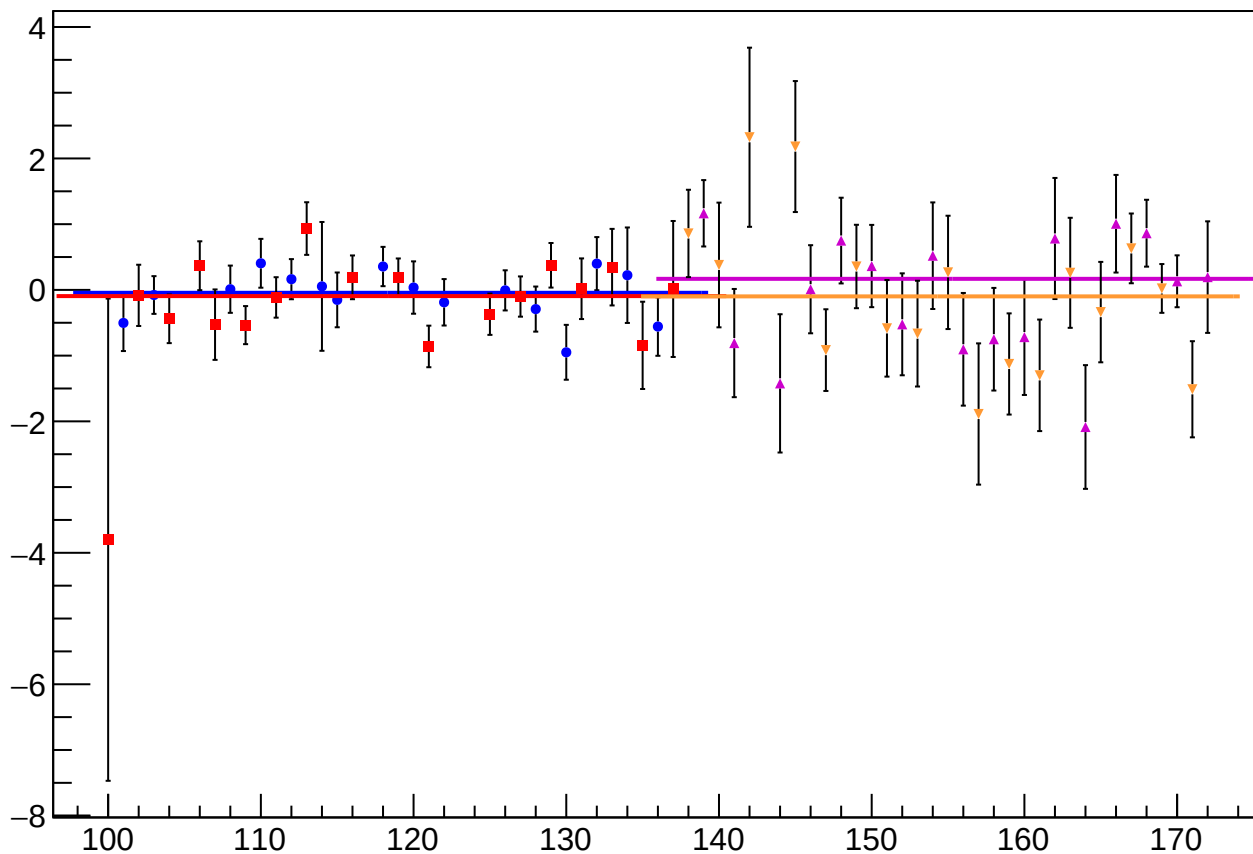
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 7947046.7/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 12776008.0/32

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 30879039.1/67

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 17137200.6/34

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

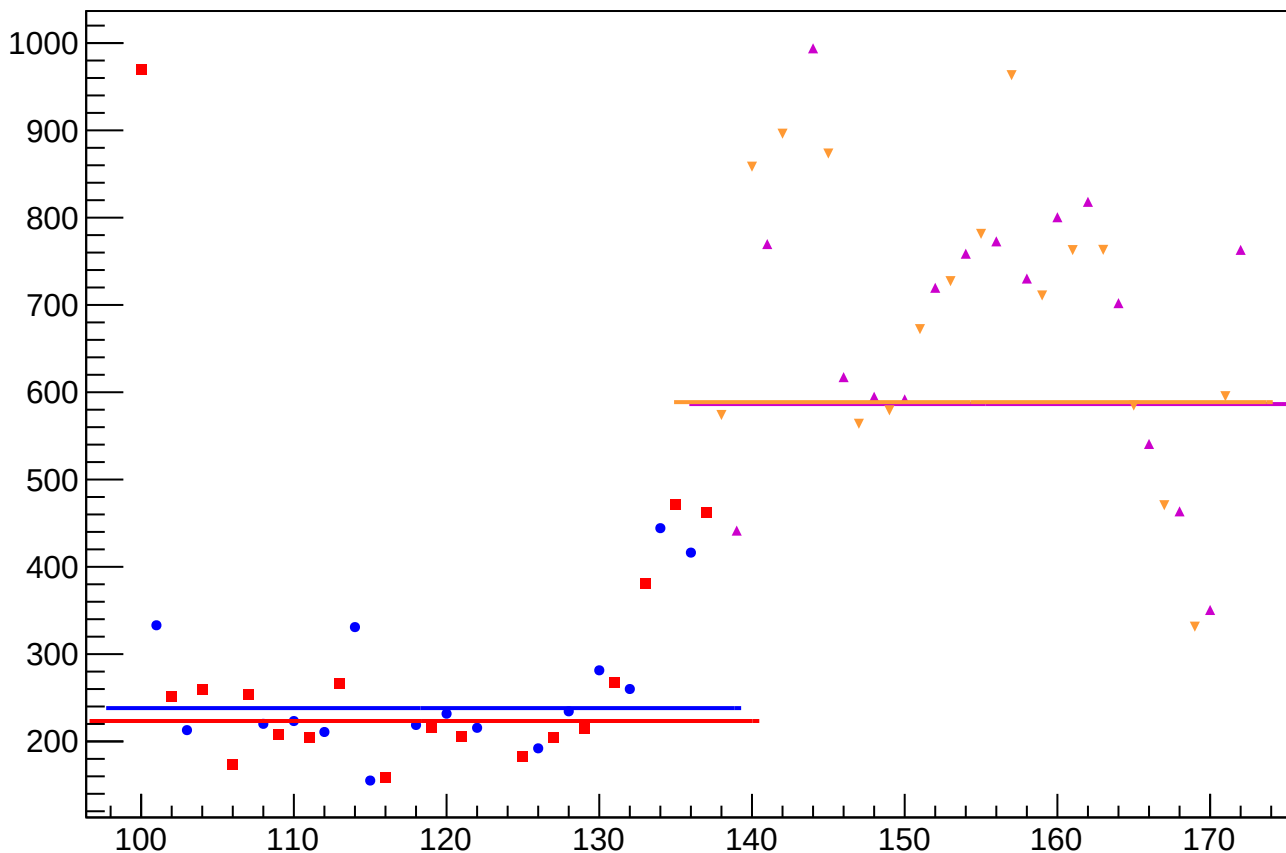
Left In: 0.168 ± 0.165 χ^2/NDF : 22.8/16

+ sign -0.057 ± 0.082 χ^2/NDF : 39.8/32

All: -0.045 ± 0.057 χ^2/NDF : 89.9/67

- sign -0.034 ± 0.079 χ^2/NDF : 50.0/34

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 238.165 $\pm$ 0.066 χ^2 /NDF: 807170.1/15

Left Out: 588.673 $\pm$ 0.120 χ^2 /NDF:2141021.5/16

Right Out: 223.390 $\pm$ 0.064 χ^2 /NDF: 862366.3/17

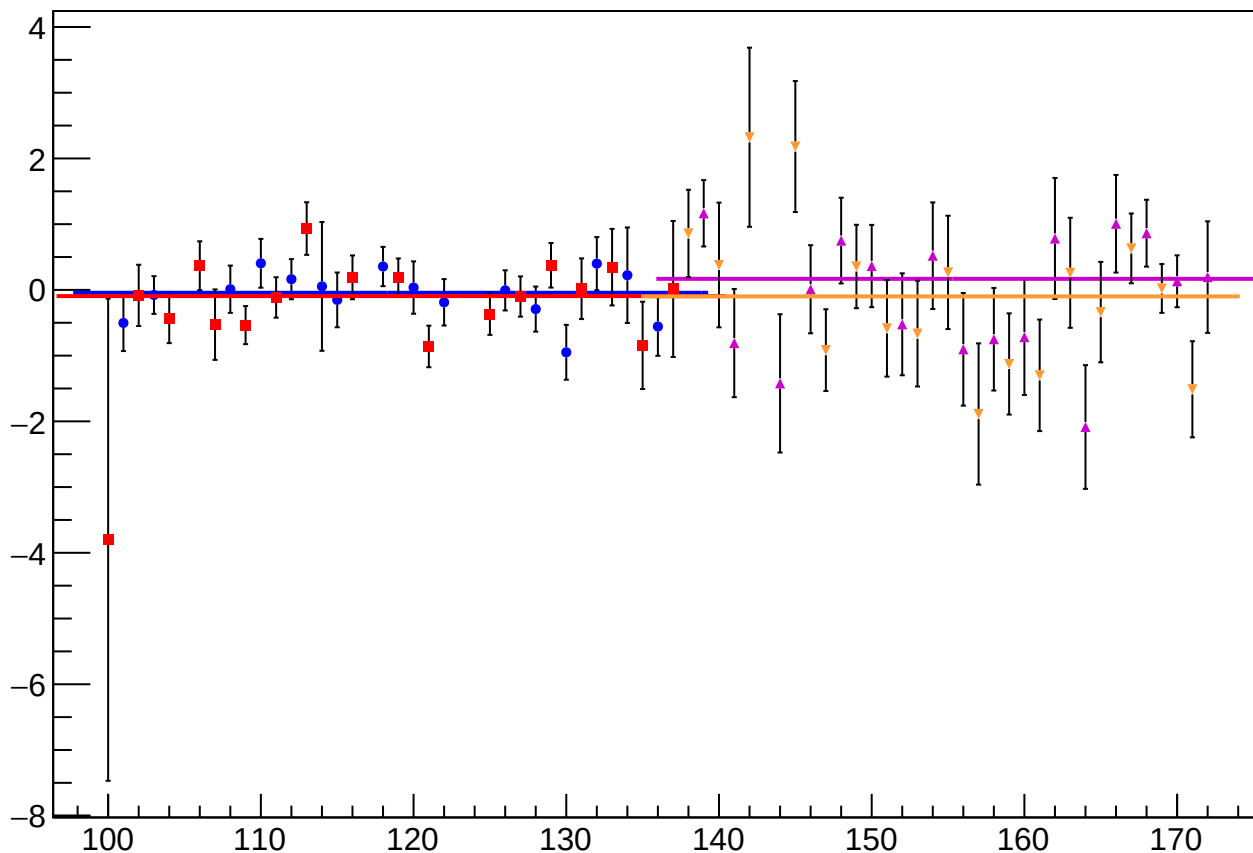
Left In: 586.450 $\pm$ 0.117 χ^2 /NDF:2080121.3/16

+ sign 319.781 $\pm$ 0.058 χ^2 /NDF: 9451002.0/32

All: 312.948 $\pm$ 0.040 χ^2 /NDF: 19875832.4/67

- sign 306.623 $\pm$ 0.056 χ^2 /NDF: 10398191.1/34

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

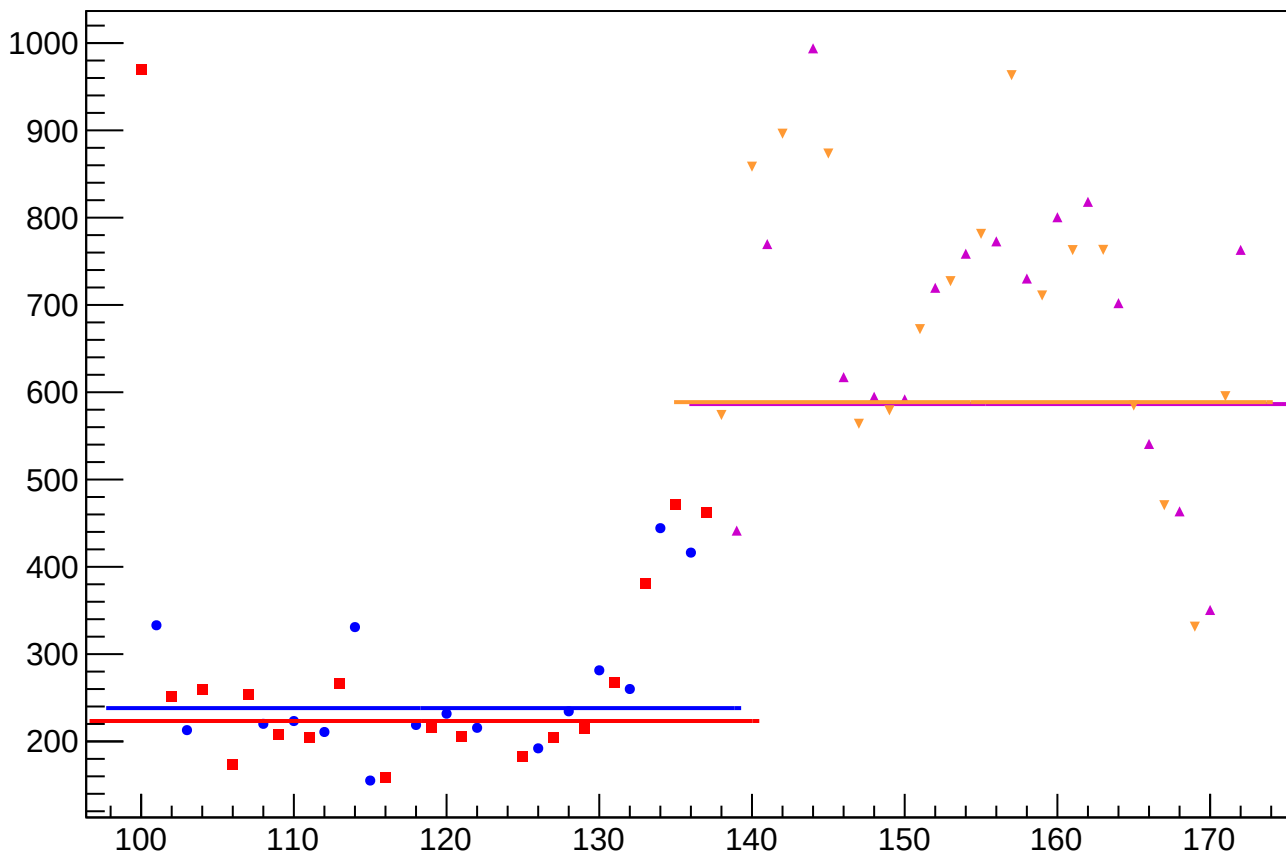
Left In: 0.168 ± 0.165 χ^2/NDF : 22.8/16

+ sign -0.057 ± 0.082 χ^2/NDF : 39.8/32

All: -0.045 ± 0.057 χ^2/NDF : 89.9/67

- sign -0.034 ± 0.079 χ^2/NDF : 50.0/34

asym_atl2_eigen_dit_vs_eigen_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

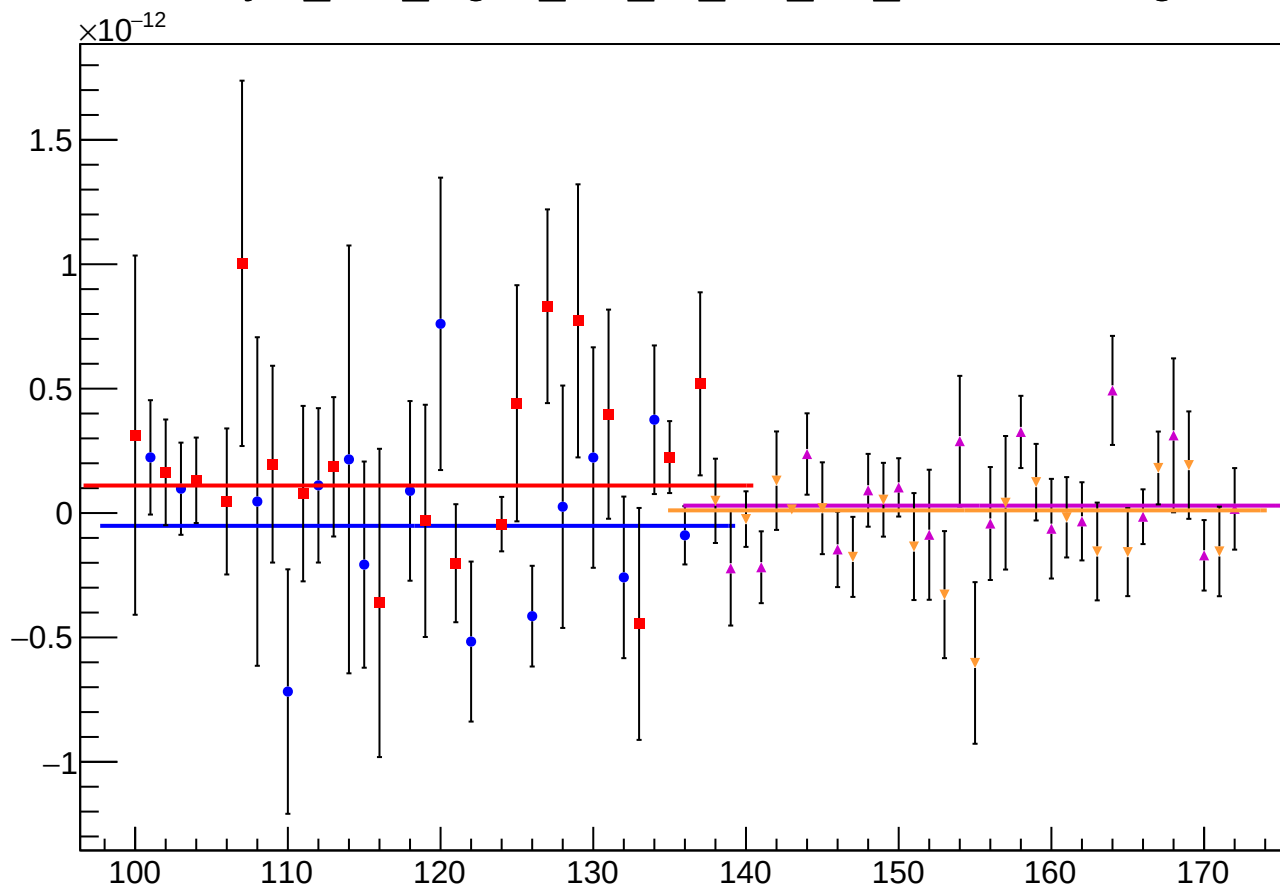
Left In: 586.450+/-0.117 χ^2/NDF : 2080121.3/16

+ sign 319.781+/-0.058 χ^2/NDF : 9451002.0/32

All: 312.948+/-0.040 χ^2/NDF : 19875832.4/67

- sign 306.623+/-0.056 χ^2/NDF : 10398191.1/34

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

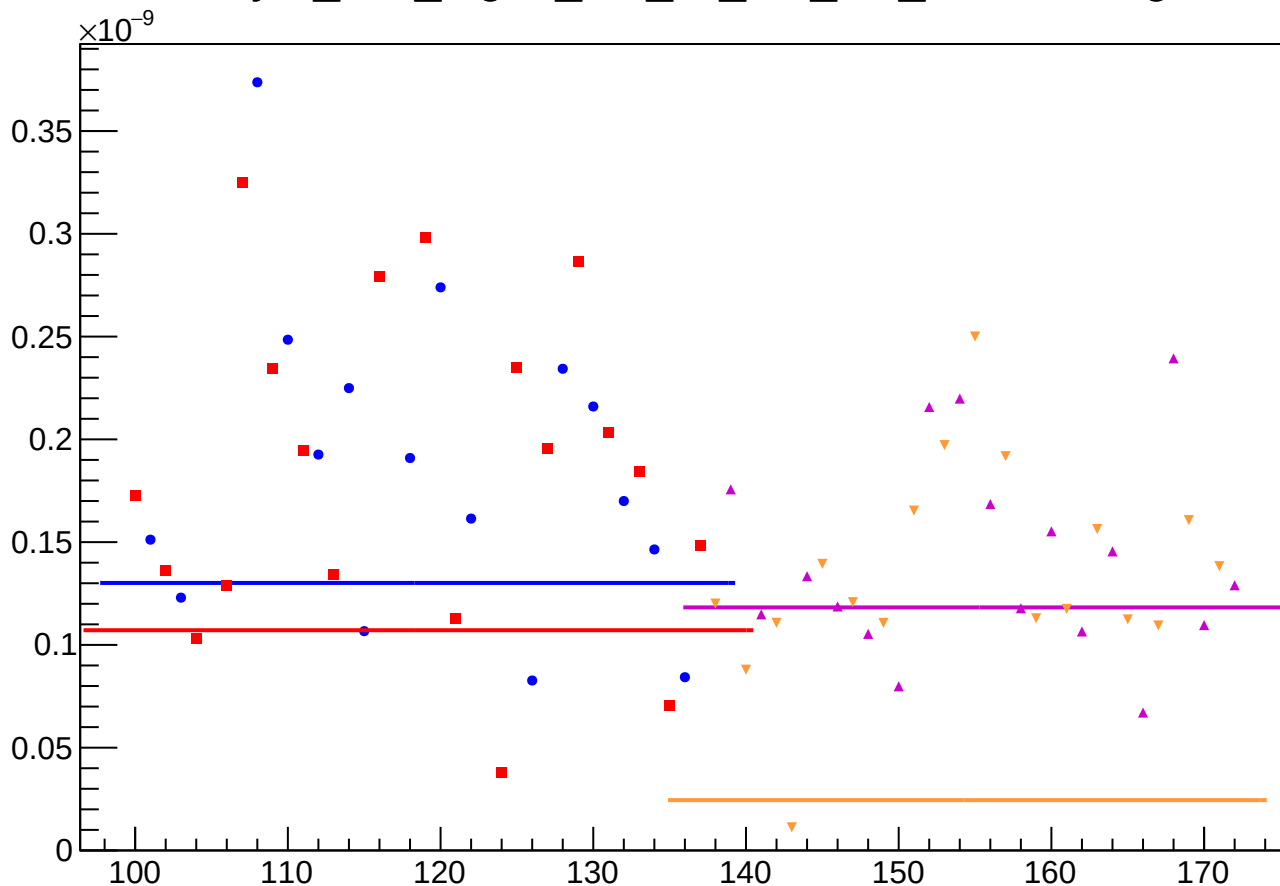
Left In: 0.000 ± 0.000 χ^2/NDF : 20.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 28.5/33

All: 0.000 ± 0.000 χ^2/NDF : 67.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 37.6/35

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 13811035.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2656168.1/18

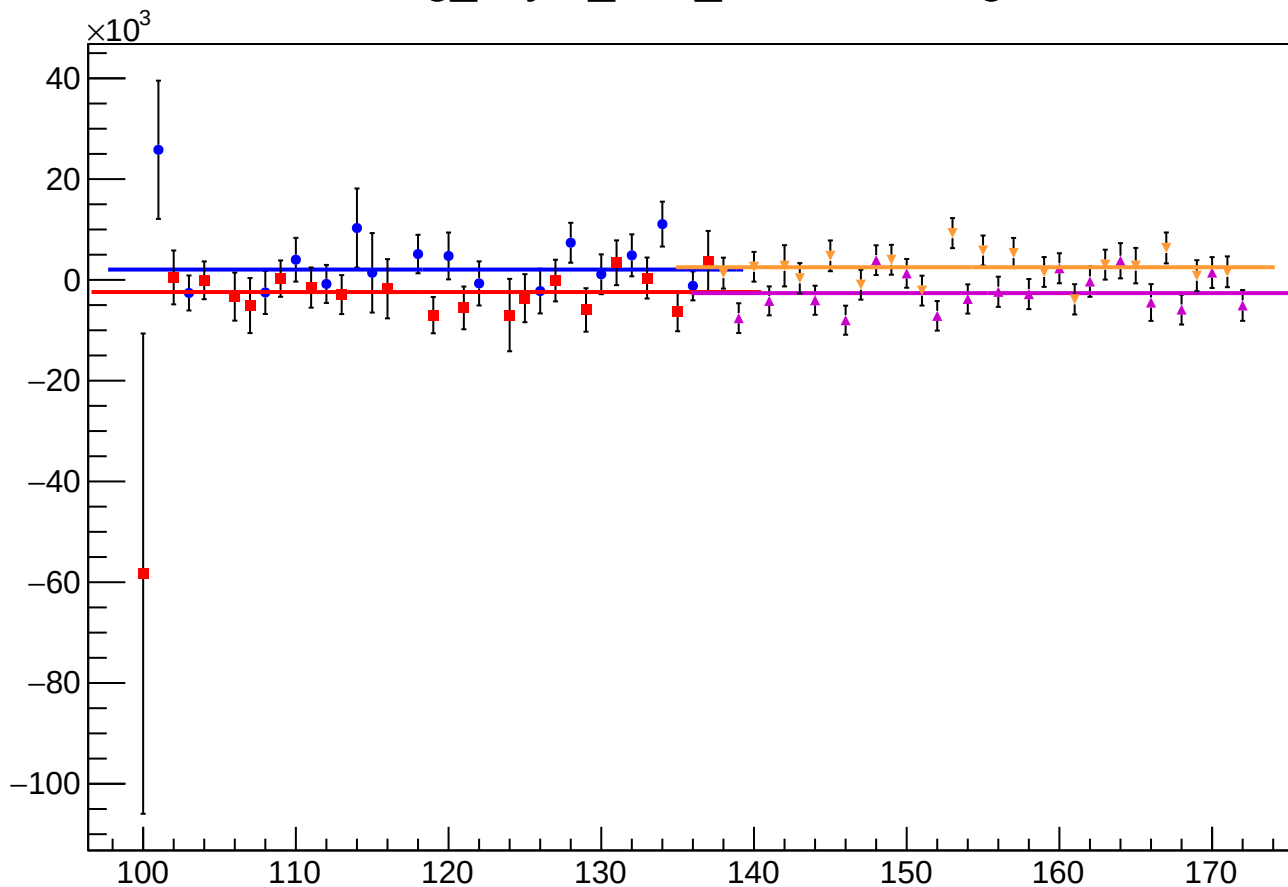
Left In: 0.000+/-0.000 χ^2/NDF : 1915020.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 19832287.0/33

All: 0.000+/-0.000 χ^2/NDF : 35802516.8/69

- sign 0.000+/-0.000 χ^2/NDF : 4619815.5/35

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

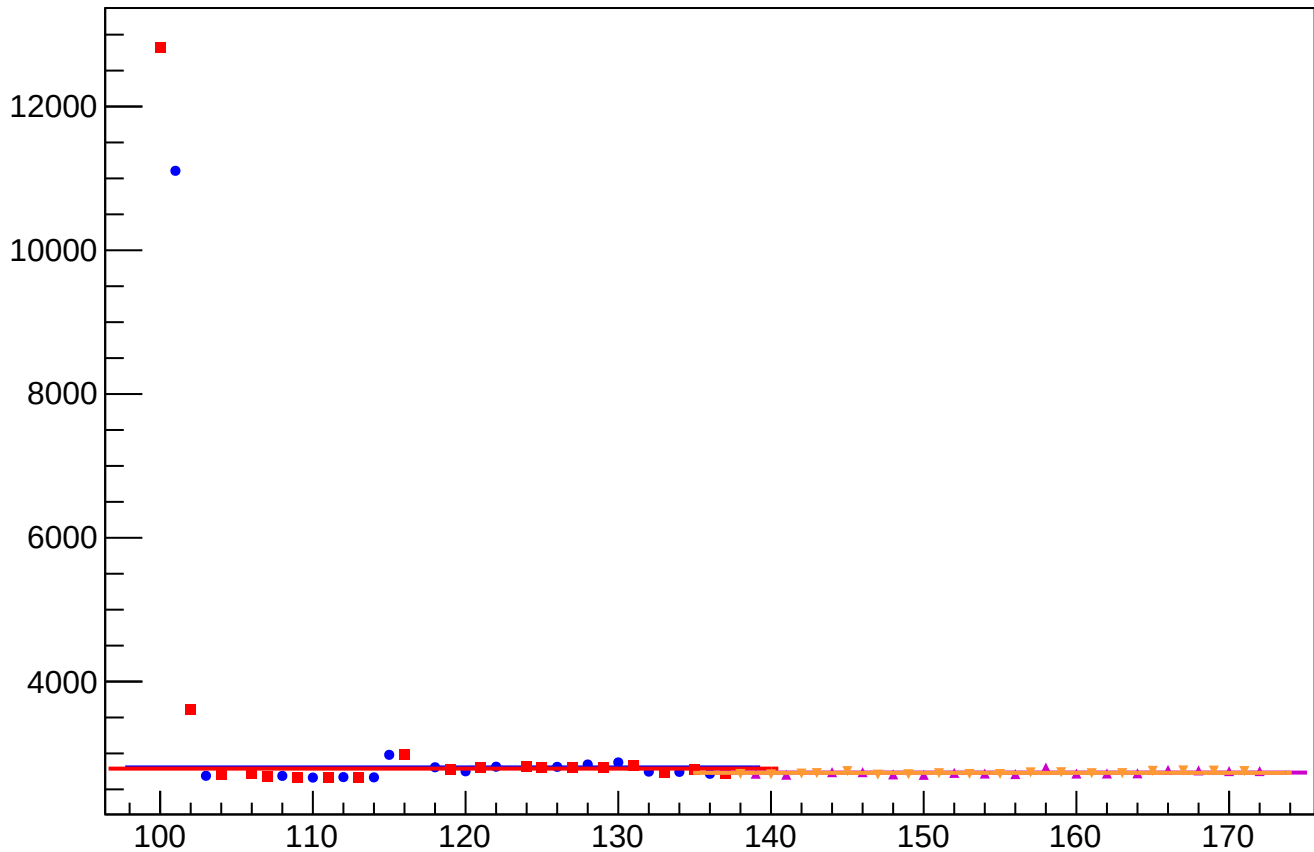
Left In: -2625.200+/-729.715 χ^2 /NDF:26.7/16

+ sign 2366.934+/-599.090 χ^2 /NDF: 37.1/33

All: -104.477+/-422.695 χ^2 /NDF: 108.5/69

- sign -2554.406+/-596.481 χ^2 /NDF: 37.5/35

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

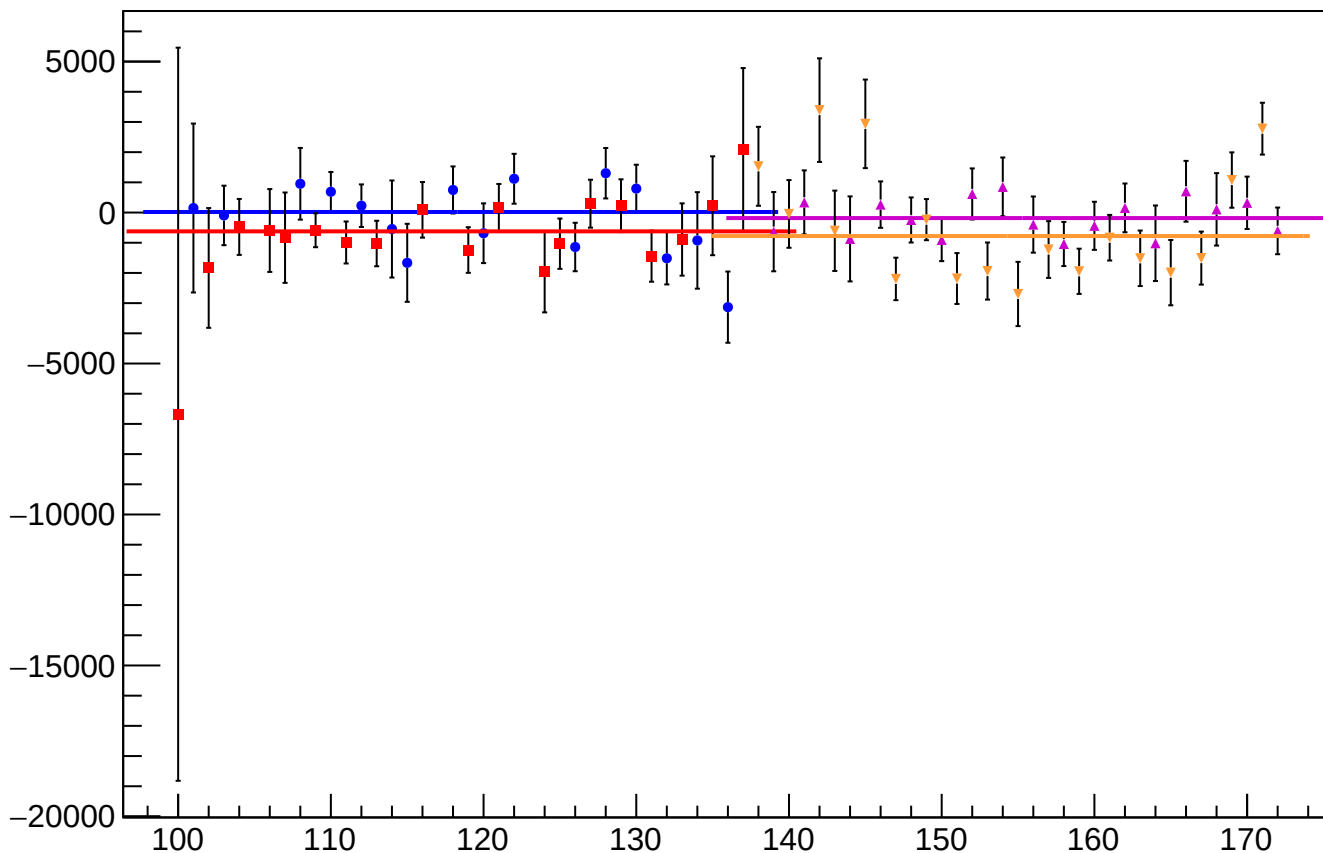
Left In: 2733.675+/-0.516 χ^2/NDF :2604.2/16

+ sign 2753.580+/-0.424 χ^2/NDF : 754460.7/33

All: 2752.773+/-0.299 χ^2/NDF : 907860.7/69

- sign 2751.974+/-0.422 χ^2/NDF : 153392.7/35

asym_atr1_reg_correction_mean vs Slug



Right In: 18.981 ± 233.483 $\chi^2/\text{NDF}: 22.8/15$

Left Out: -778.674 ± 218.794 $\chi^2/\text{NDF}: 54.6/17$

Right Out: -623.107 ± 215.948 $\chi^2/\text{NDF}: 9.3/18$

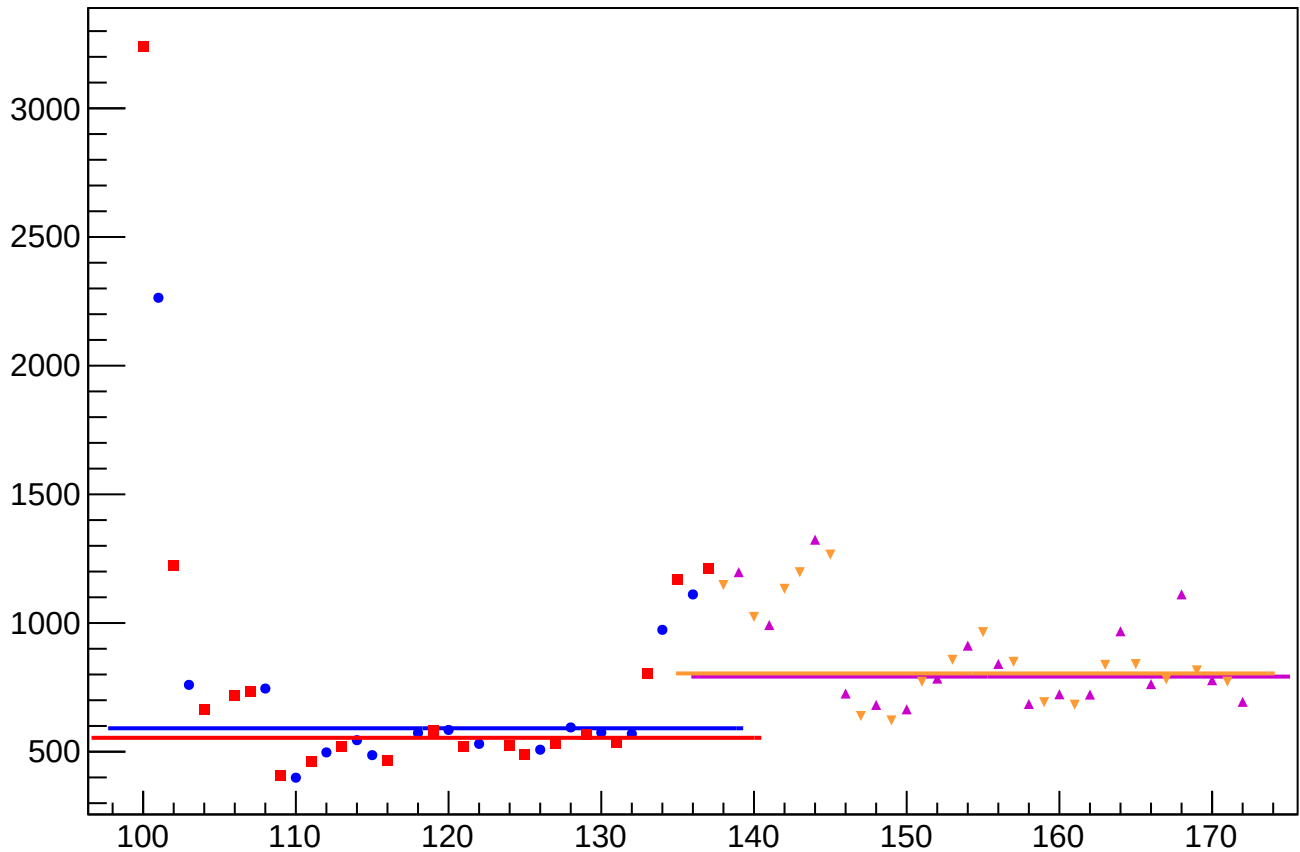
Left In: -182.760 ± 216.147 $\chi^2/\text{NDF}: 7.6/16$

+ sign -405.725 ± 159.651 $\chi^2/\text{NDF}: 83.6/33$

All: -404.374 ± 110.377 $\chi^2/\text{NDF}: 102.6/69$

- sign -403.136 ± 152.768 $\chi^2/\text{NDF}: 19.0/35$

asym_atr1_reg_correction_rms vs Slug



Right In: 591.041 $\pm$ 0.165 χ^2 /NDF: 1567663.5/15

Left Out: 804.135 $\pm$ 0.155 χ^2 /NDF:1080480.4/17

Right Out: 553.982 $\pm$ 0.153 χ^2 /NDF: 1116915.2/18

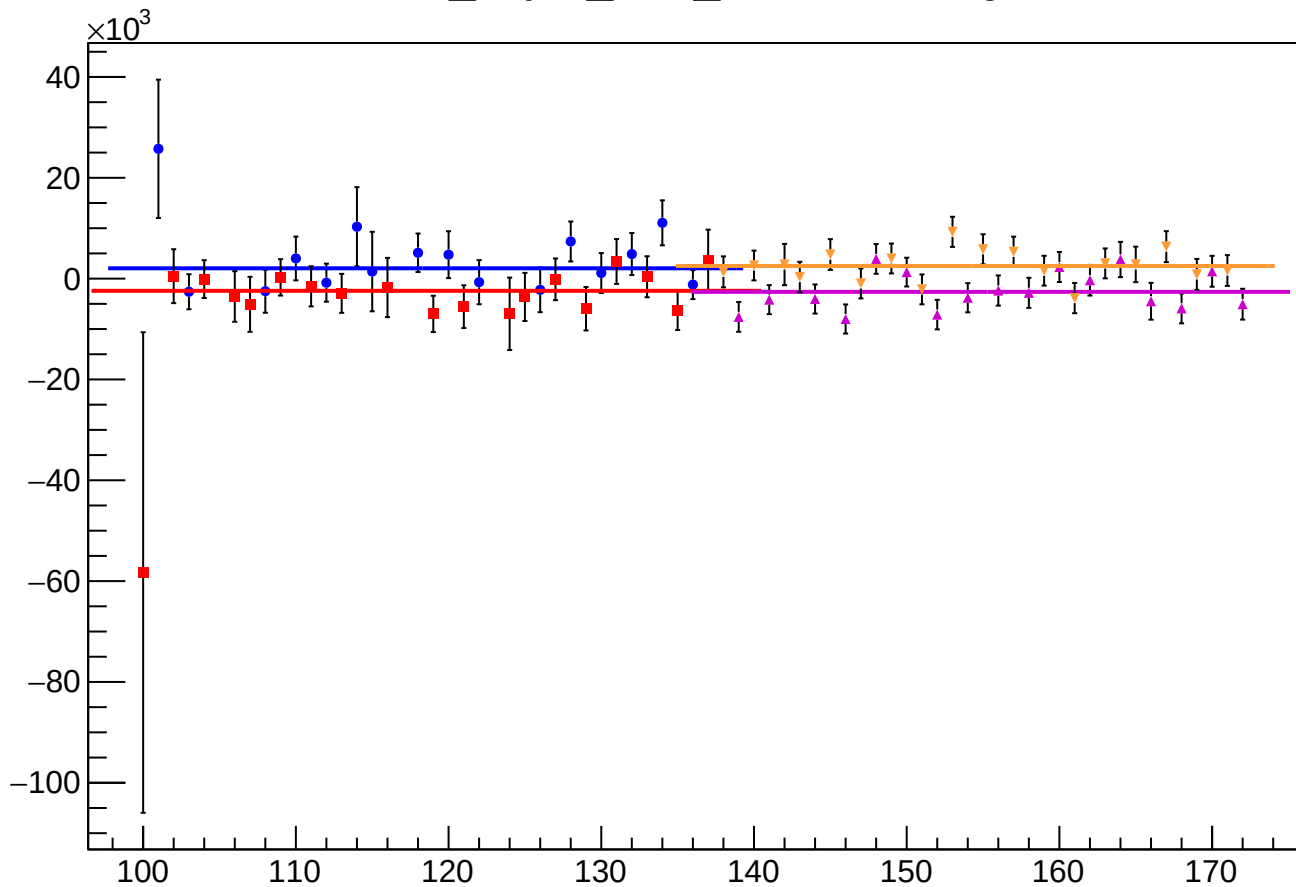
Left In: 791.803 $\pm$ 0.153 χ^2 /NDF:996351.4/16

+ sign 704.502 $\pm$ 0.113 χ^2 /NDF: 3535167.7/33

All: 687.944 $\pm$ 0.078 χ^2 /NDF: 6901363.1/69

- sign 672.783 $\pm$ 0.108 χ^2 /NDF: 3324985.4/35

cor_asym_atr1_mean vs Slug



Right In: 2048.688 $\pm$ 1070.395 χ^2 /NDF: 17.8/15

Left Out: 2511.725 $\pm$ 722.926 χ^2 /NDF:19.1/17

Right Out: -2417.909 $\pm$ 1037.856 χ^2 /NDF: 10.8/18

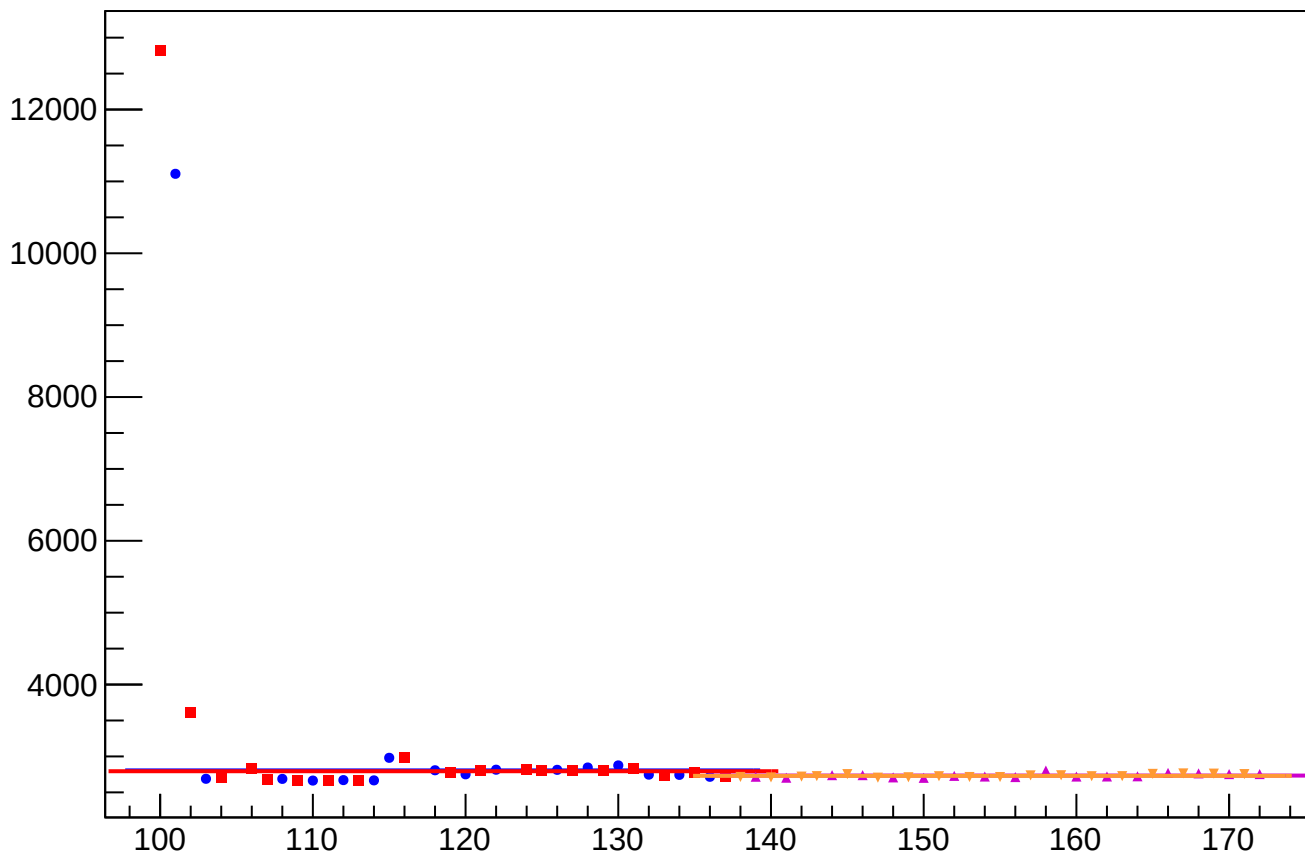
Left In: -2625.273 $\pm$ 729.715 χ^2 /NDF:26.7/16

+ sign 2366.677 $\pm$ 599.090 χ^2 /NDF: 37.0/33

All: -103.867 $\pm$ 422.857 χ^2 /NDF: 108.5/69

- sign -2556.675 $\pm$ 596.935 χ^2 /NDF: 37.6/35

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

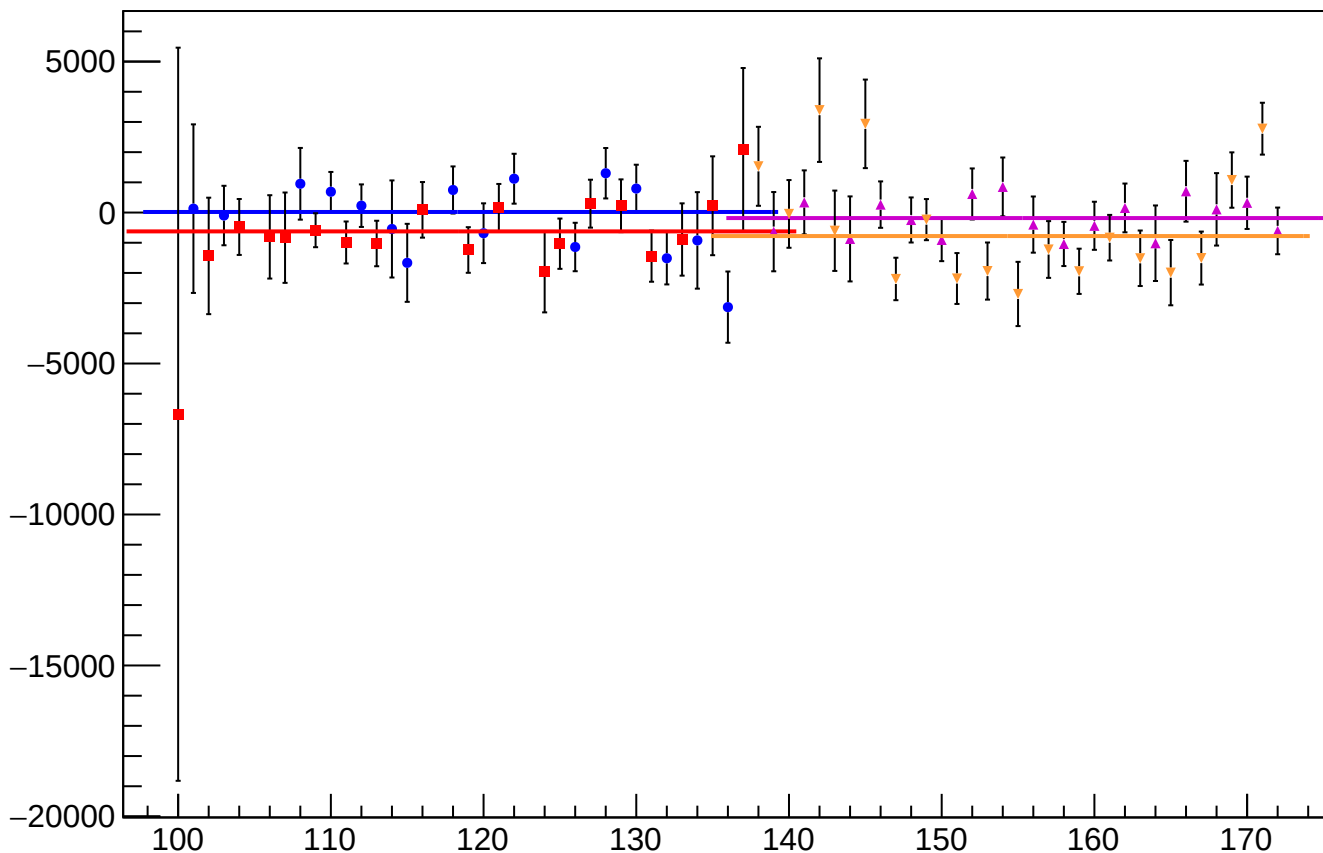
Left In: 2733.675+/-0.516 χ^2/NDF : 2604.2/16

+ sign 2753.580+/-0.424 χ^2/NDF : 754459.8/33

All: 2753.632+/-0.299 χ^2/NDF : 908353.6/69

- sign 2753.683+/-0.422 χ^2/NDF : 153893.8/35

asym_atr1_cor_correction_mean vs Slug



Right In: 18.940 ± 233.471 $\chi^2/\text{NDF}: 22.8/15$

Left Out: -778.604 ± 218.792 $\chi^2/\text{NDF}: 54.6/17$

Right Out: -624.217 ± 215.902 $\chi^2/\text{NDF}: 9.1/18$

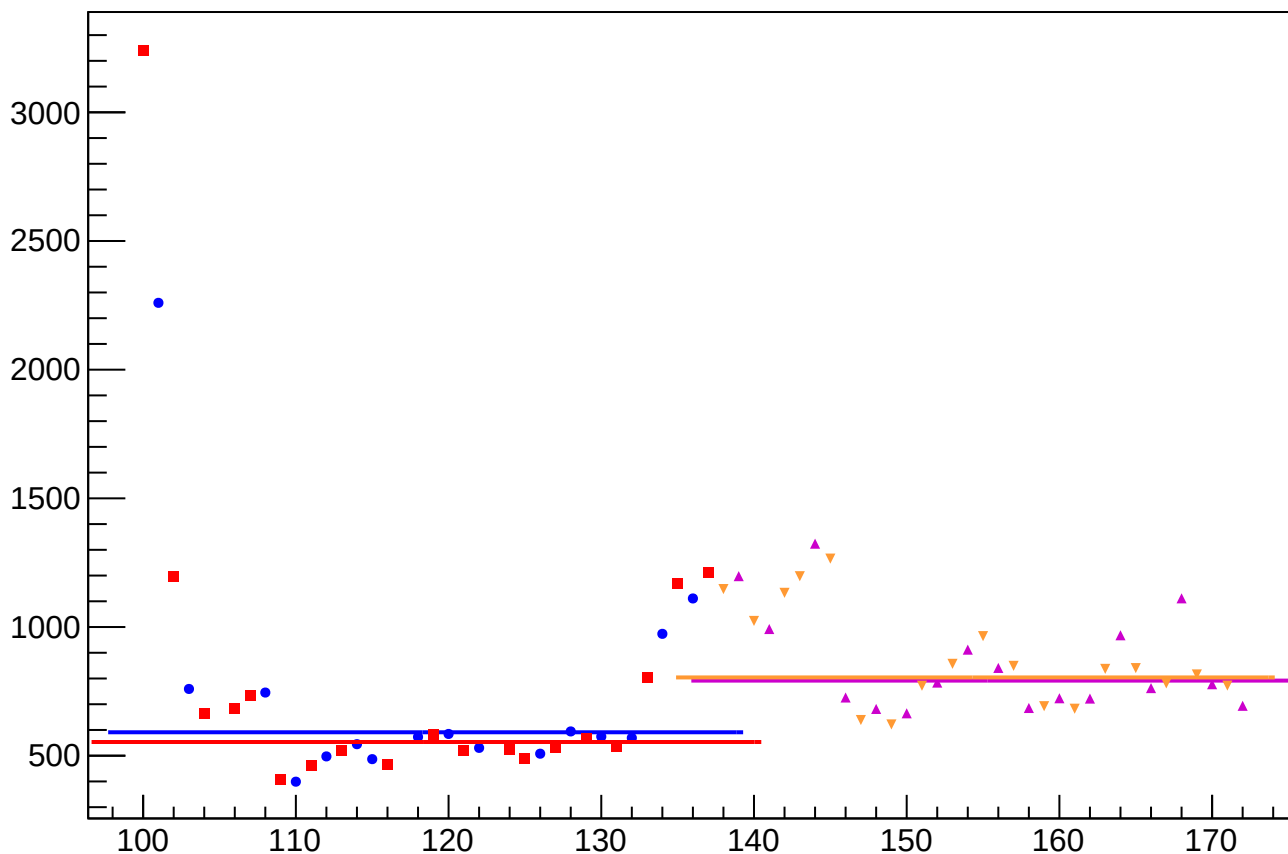
Left In: -182.873 ± 216.147 $\chi^2/\text{NDF}: 7.6/16$

+ sign -405.690 ± 159.647 $\chi^2/\text{NDF}: 83.6/33$

All: -404.701 ± 110.369 $\chi^2/\text{NDF}: 102.4/69$

- sign -403.796 ± 152.752 $\chi^2/\text{NDF}: 18.8/35$

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

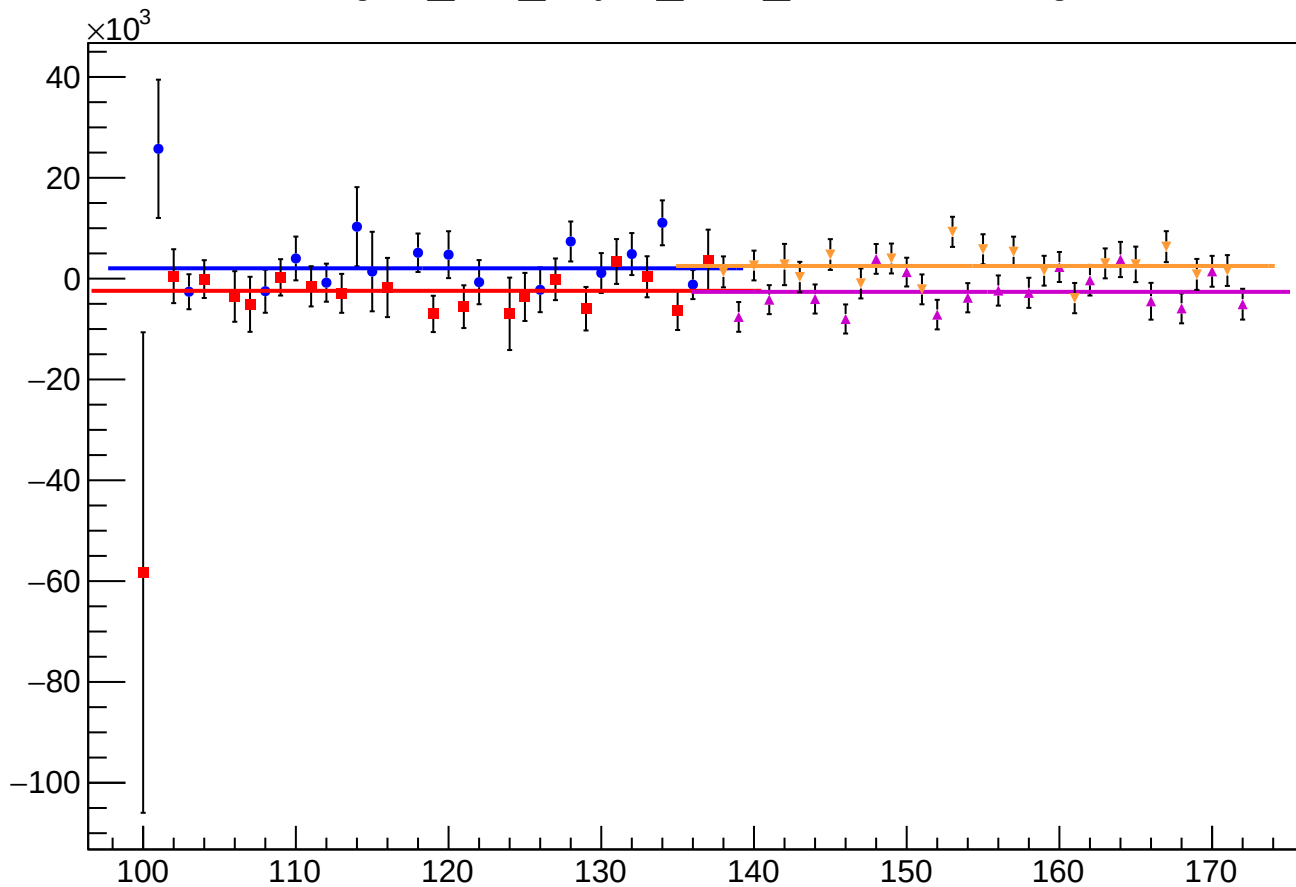
Left In: 791.805+/-0.153 χ^2/NDF : 996284.0/16

+ sign 704.493+/-0.113 χ^2/NDF : 3534170.9/33

All: 687.730+/-0.078 χ^2/NDF : 6893990.4/69

- sign 672.383+/-0.108 χ^2/NDF : 3317583.5/35

eigen_cor_asym_atr1_mean vs Slug



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

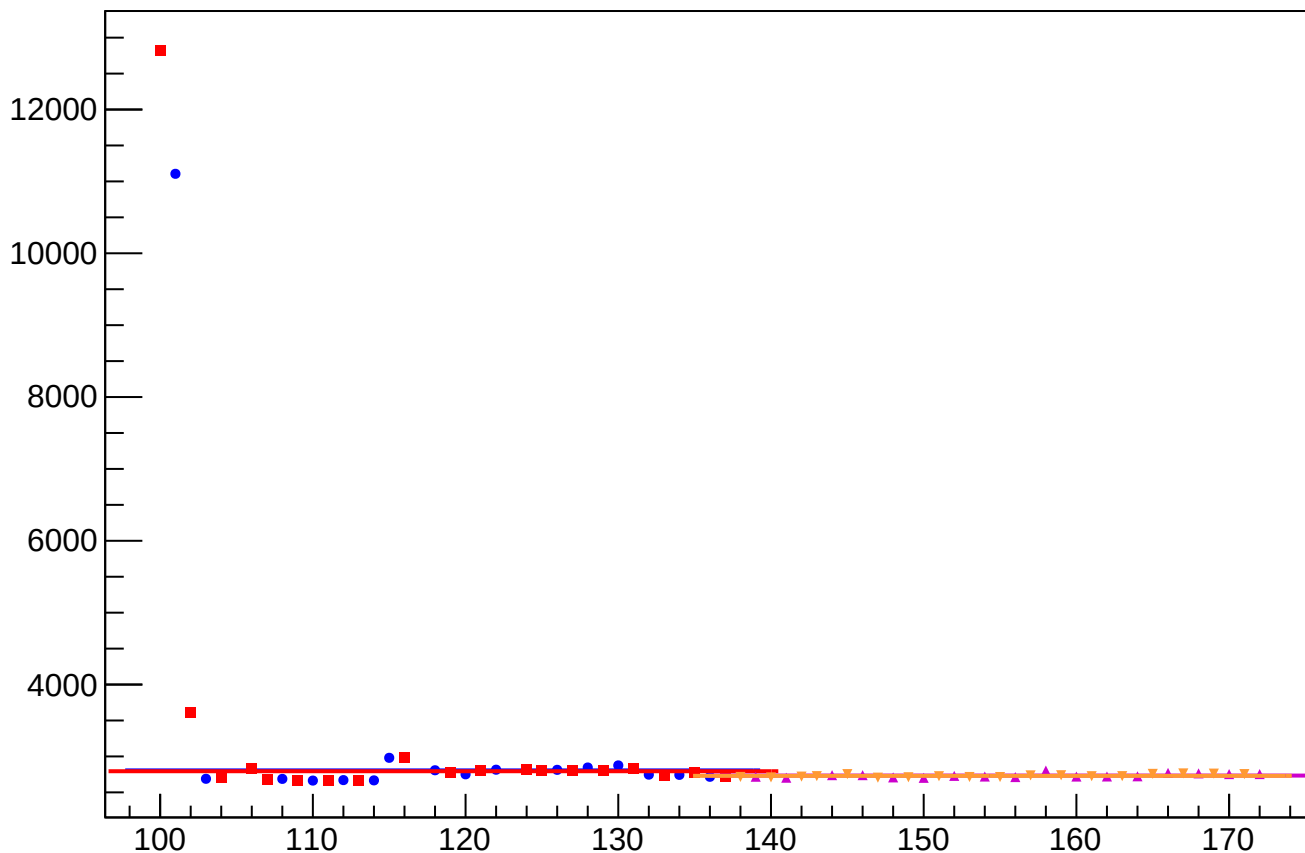
Left In: -2625.273 ± 729.715 χ^2/NDF : 26.7/16

+ sign 2366.677 ± 599.090 χ^2/NDF : 37.0/33

All: -103.867 ± 422.857 χ^2/NDF : 108.5/69

- sign -2556.675 ± 596.935 χ^2/NDF : 37.6/35

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

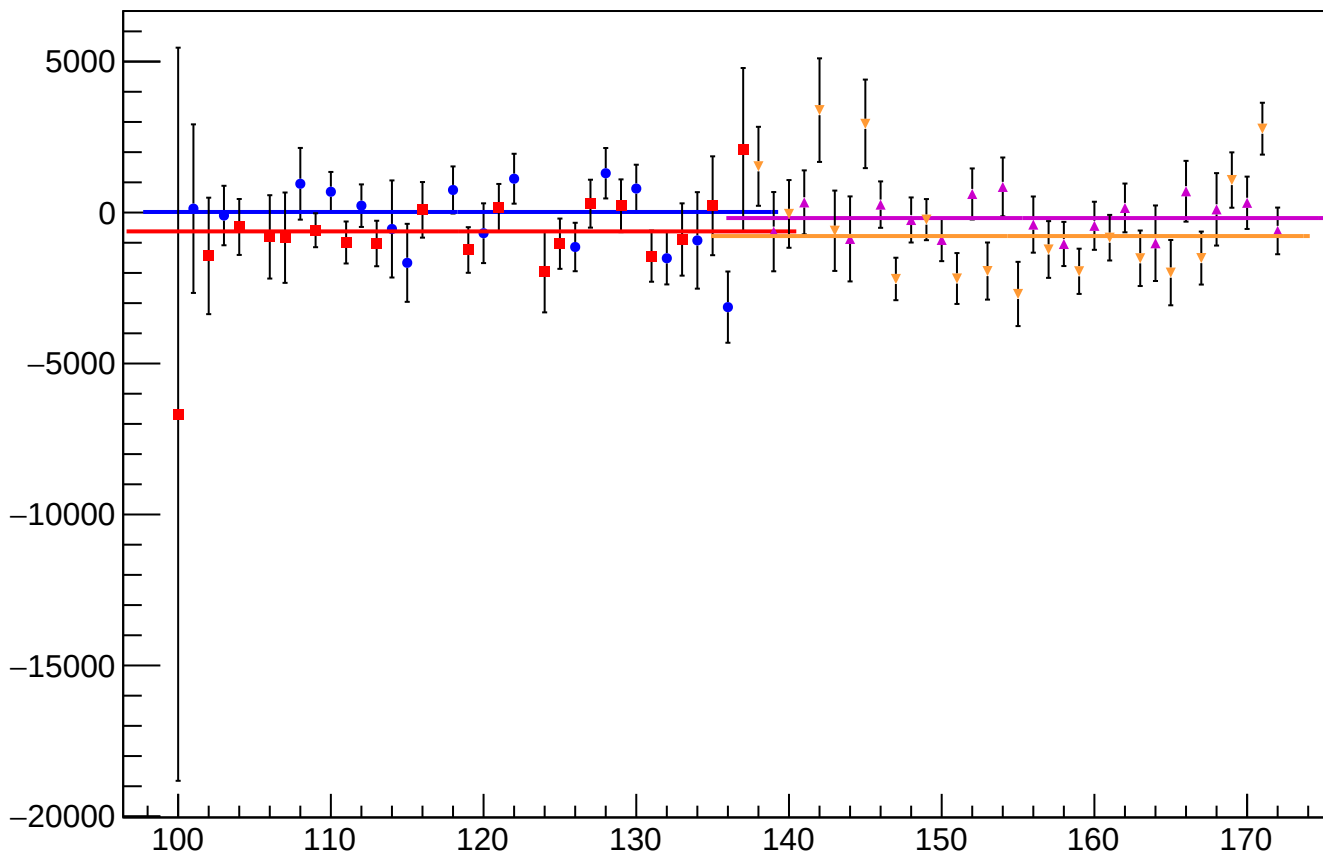
Left In: 2733.675+/-0.516 χ^2/NDF :2604.2/16

+ sign 2753.580+/-0.424 χ^2/NDF : 754459.8/33

All: 2753.632+/-0.299 χ^2/NDF : 908353.6/69

- sign 2753.683+/-0.422 χ^2/NDF : 153893.8/35

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

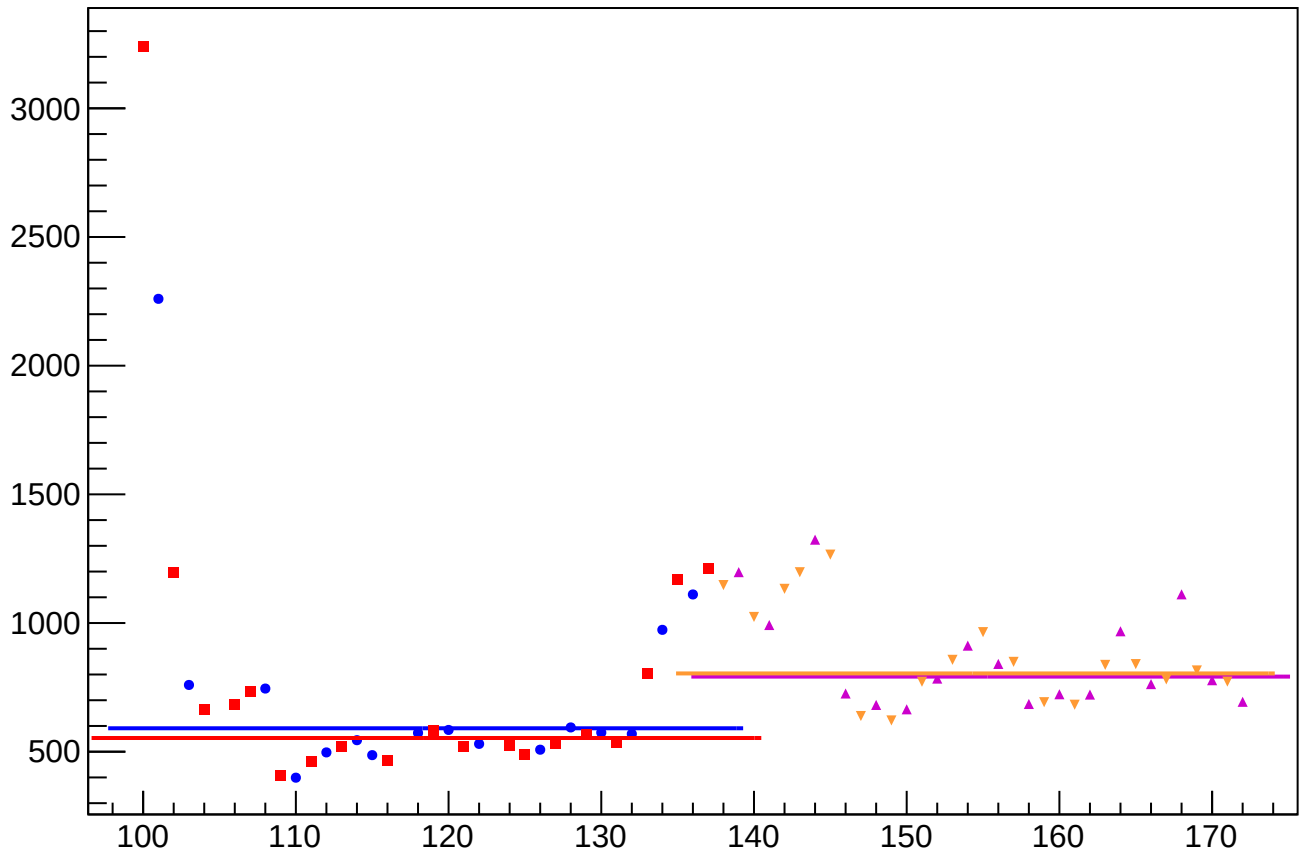
Left In: -182.873 ± 216.147 χ^2/NDF : 7.6/16

+ sign -405.690 ± 159.647 χ^2/NDF : 83.6/33

All: -404.701 ± 110.369 χ^2/NDF : 102.4/69

- sign -403.796 ± 152.752 χ^2/NDF : 18.8/35

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 591.039 $\pm$ 0.165 χ^2/NDF : 1566635.0/15

Left Out: 804.128 $\pm$ 0.155 χ^2/NDF :1080502.5/17

Right Out: 553.233 $\pm$ 0.153 χ^2/NDF : 1101651.0/18

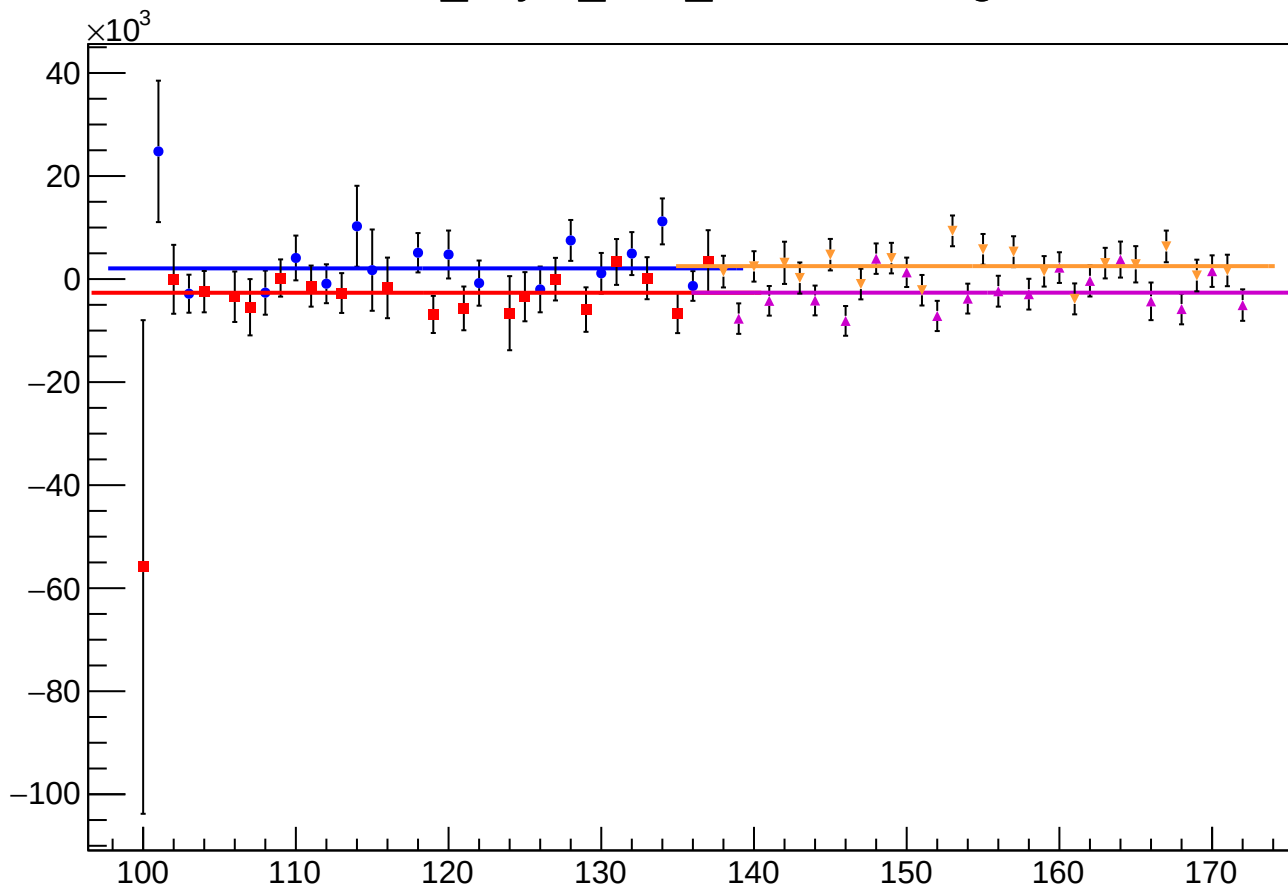
Left In: 791.805 $\pm$ 0.153 χ^2/NDF :996284.0/16

+ sign 704.493 $\pm$ 0.113 χ^2/NDF : 3534170.9/33

All: 687.730 $\pm$ 0.078 χ^2/NDF : 6893990.4/69

- sign 672.383 $\pm$ 0.108 χ^2/NDF : 3317583.5/35

dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 2511.167 $\pm$ 723.423 χ^2 /NDF:19.3/17

Right Out: -2657.301 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

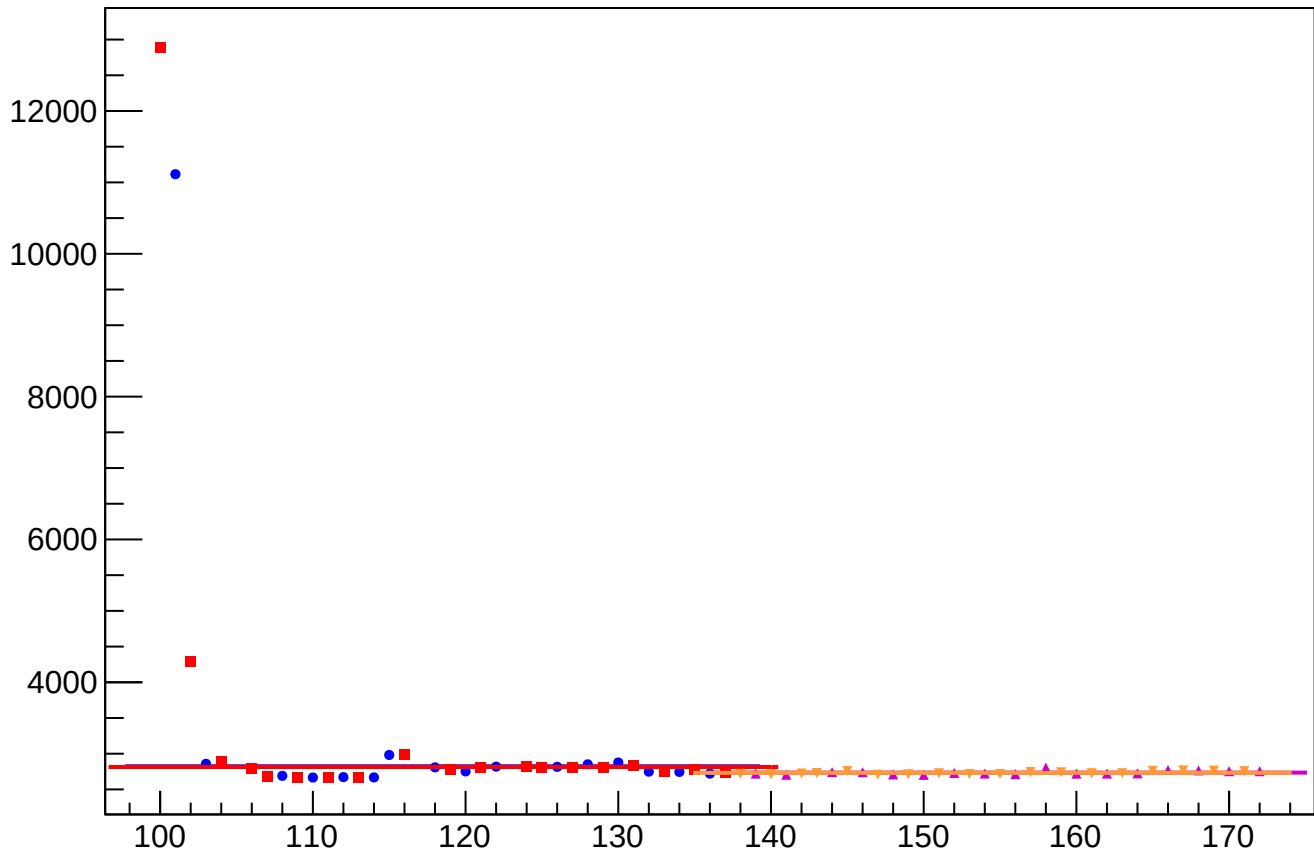
Left In: -2639.229 $\pm$ 730.139 χ^2 /NDF:27.0/16

+ sign 2375.519 $\pm$ 600.556 χ^2 /NDF: 37.3/33

All: -139.516 $\pm$ 424.259 χ^2 /NDF: 109.2/69

- sign -2645.120 $\pm$ 599.429 χ^2 /NDF: 36.9/35

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

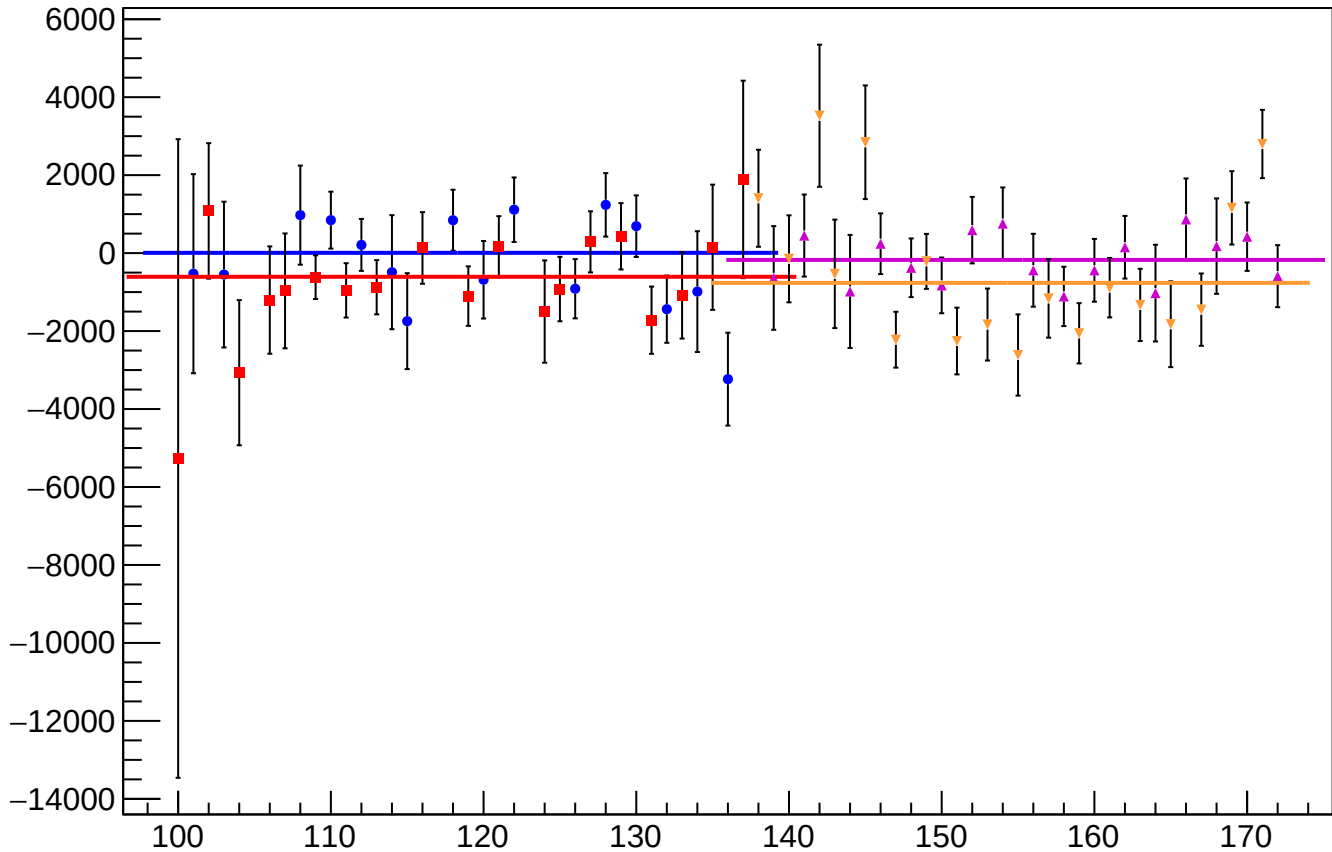
Left In: 2735.255+/-0.516 χ^2/NDF :2614.1/16

+ sign 2760.281+/-0.425 χ^2/NDF : 755300.9/33

All: 2760.575+/-0.300 χ^2/NDF : 965977.0/69

- sign 2760.867+/-0.424 χ^2/NDF : 210675.1/35

asym_atr1_dit_correction_mean vs Slug



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

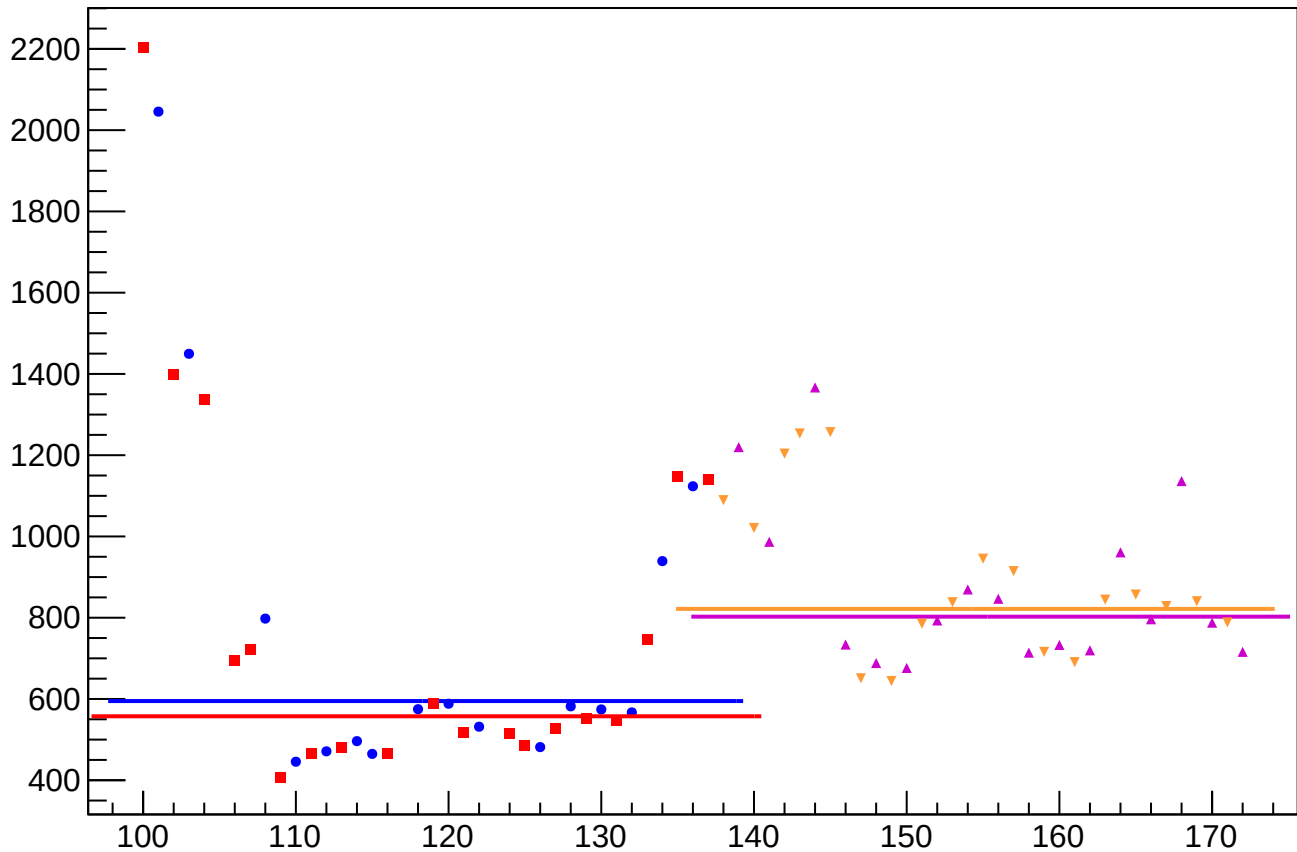
Left In: -174.036 ± 218.639 χ^2/NDF : 7.9/16

+ sign -402.486 ± 162.533 χ^2/NDF : 81.3/33

All: -397.162 ± 111.809 χ^2/NDF : 103.4/69

- sign -392.379 ± 154.052 χ^2/NDF : 22.1/35

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

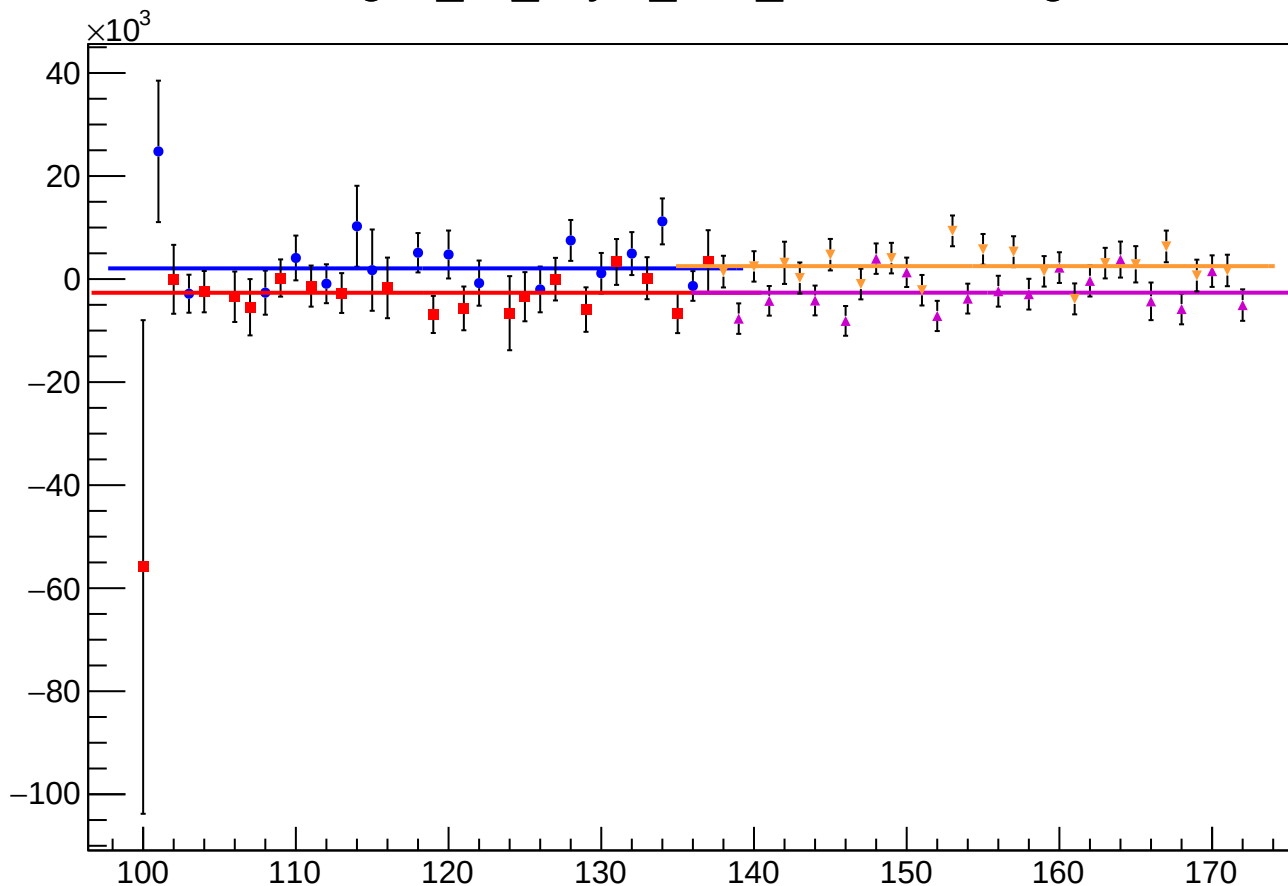
Left In: 802.609+/-0.155 χ^2/NDF :968783.8/16

+ sign 715.435+/-0.115 χ^2/NDF : 3831082.4/33

All: 696.312+/-0.079 χ^2/NDF : 7750503.1/69

- sign 679.133+/-0.109 χ^2/NDF : 3866864.8/35

eigen_dit_asym_atr1_mean vs Slug



Right In: 2074.766 $\pm$ 1077.182 χ^2 /NDF: 17.9/15

Left Out: 2511.168 $\pm$ 723.423 χ^2 /NDF:19.3/17

Right Out: -2657.300 $\pm$ 1049.868 χ^2 /NDF: 9.9/18

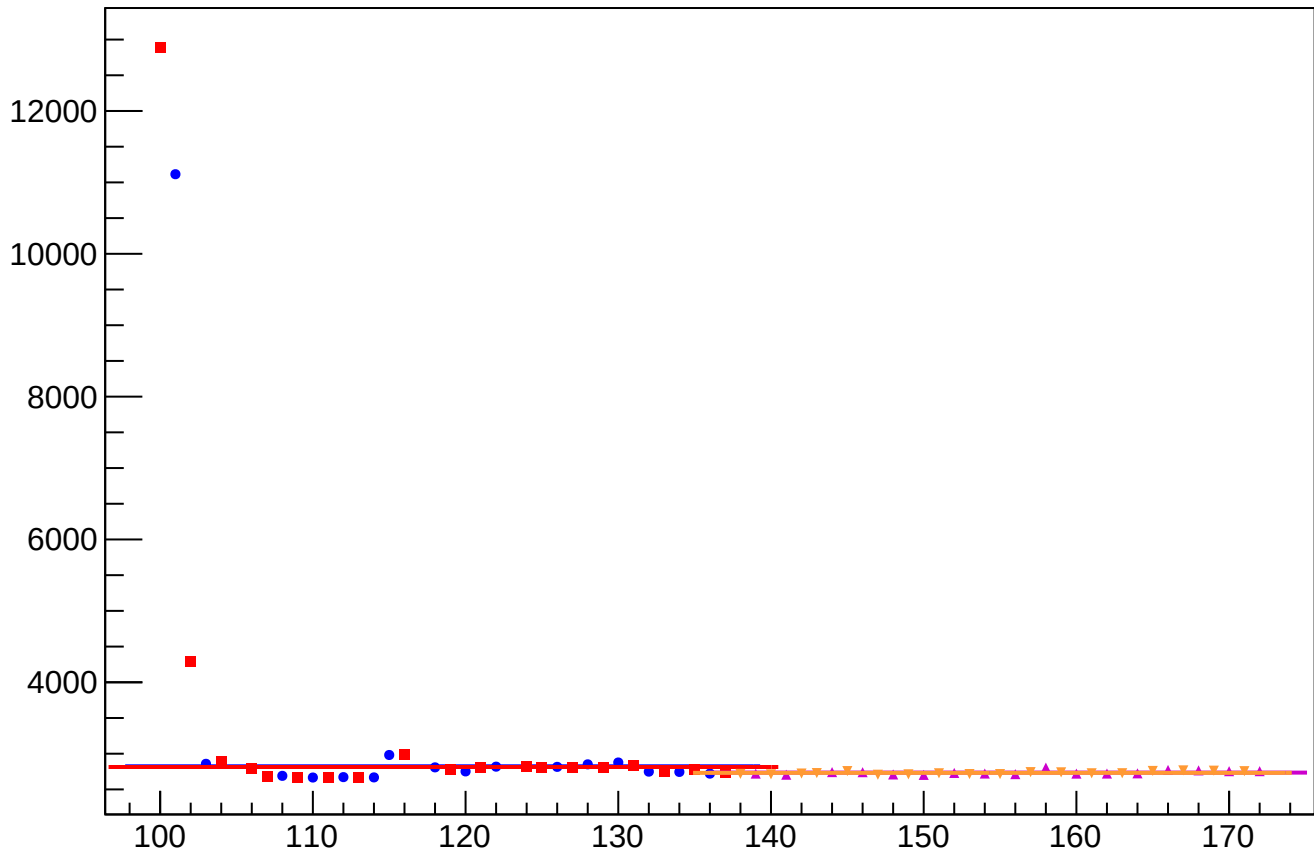
Left In: -2639.229 $\pm$ 730.139 χ^2 /NDF:27.0/16

+ sign 2375.519 $\pm$ 600.556 χ^2 /NDF: 37.3/33

All: -139.515 $\pm$ 424.259 χ^2 /NDF: 109.2/69

- sign -2645.120 $\pm$ 599.429 χ^2 /NDF: 36.9/35

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

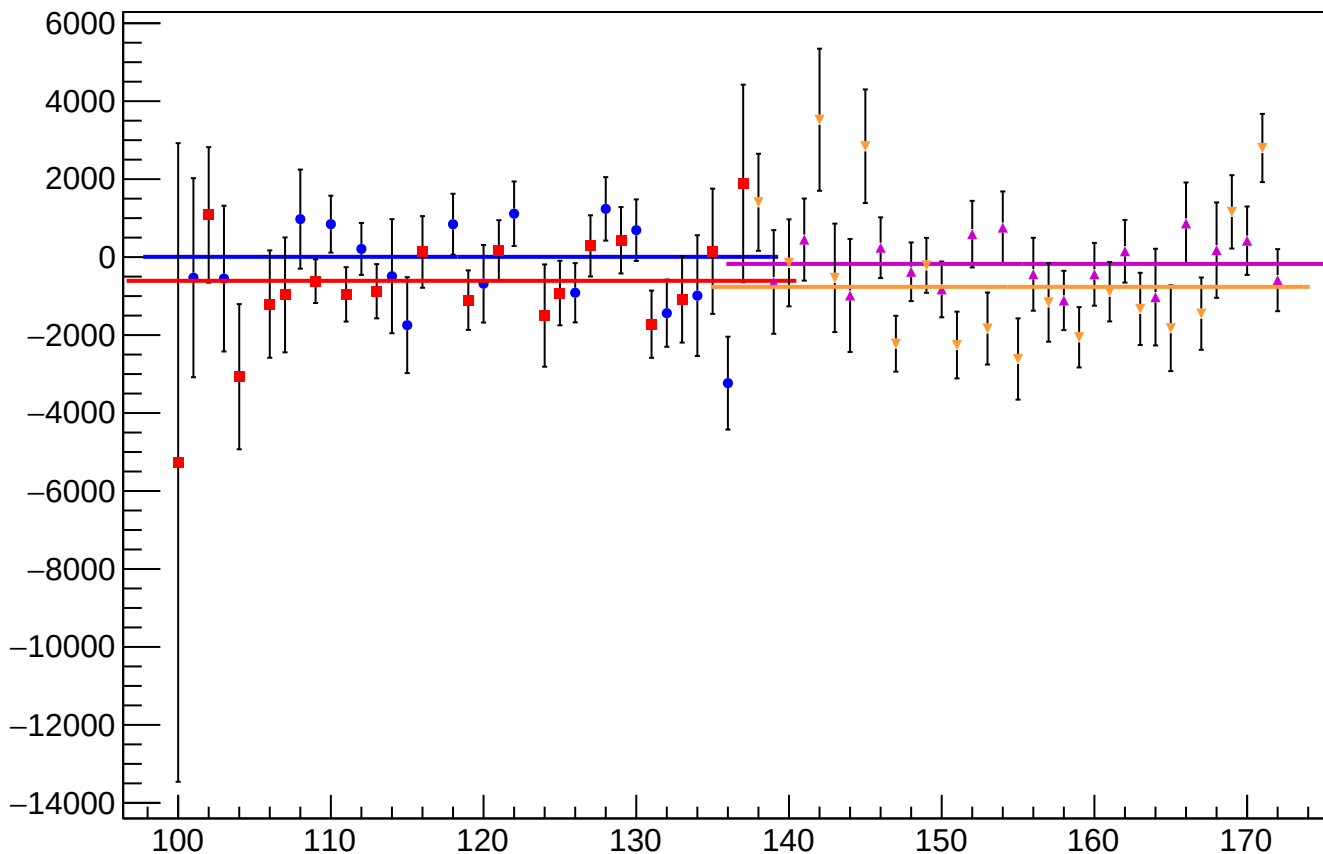
Left In: 2735.255+/-0.516 χ^2/NDF : 2614.1/16

+ sign 2760.281+/-0.425 χ^2/NDF : 755300.9/33

All: 2760.575+/-0.300 χ^2/NDF : 965976.7/69

- sign 2760.867+/-0.424 χ^2/NDF : 210674.9/35

asym_atr1_eigen_dit_correction_mean vs Slug



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

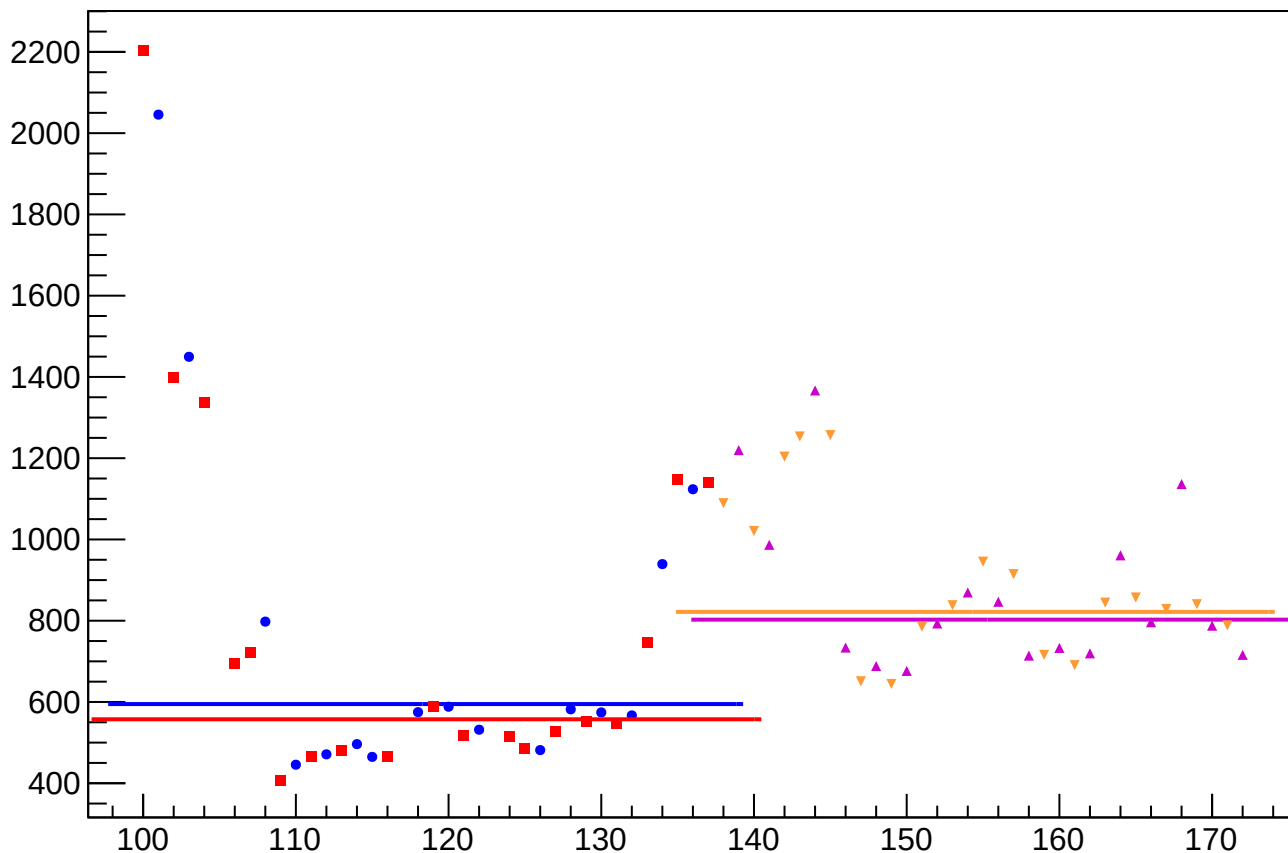
Left In: -174.036 ± 218.639 χ^2/NDF : 7.9/16

+ sign -402.487 ± 162.533 χ^2/NDF : 81.3/33

All: -397.163 ± 111.809 χ^2/NDF : 103.4/69

- sign -392.380 ± 154.052 χ^2/NDF : 22.1/35

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

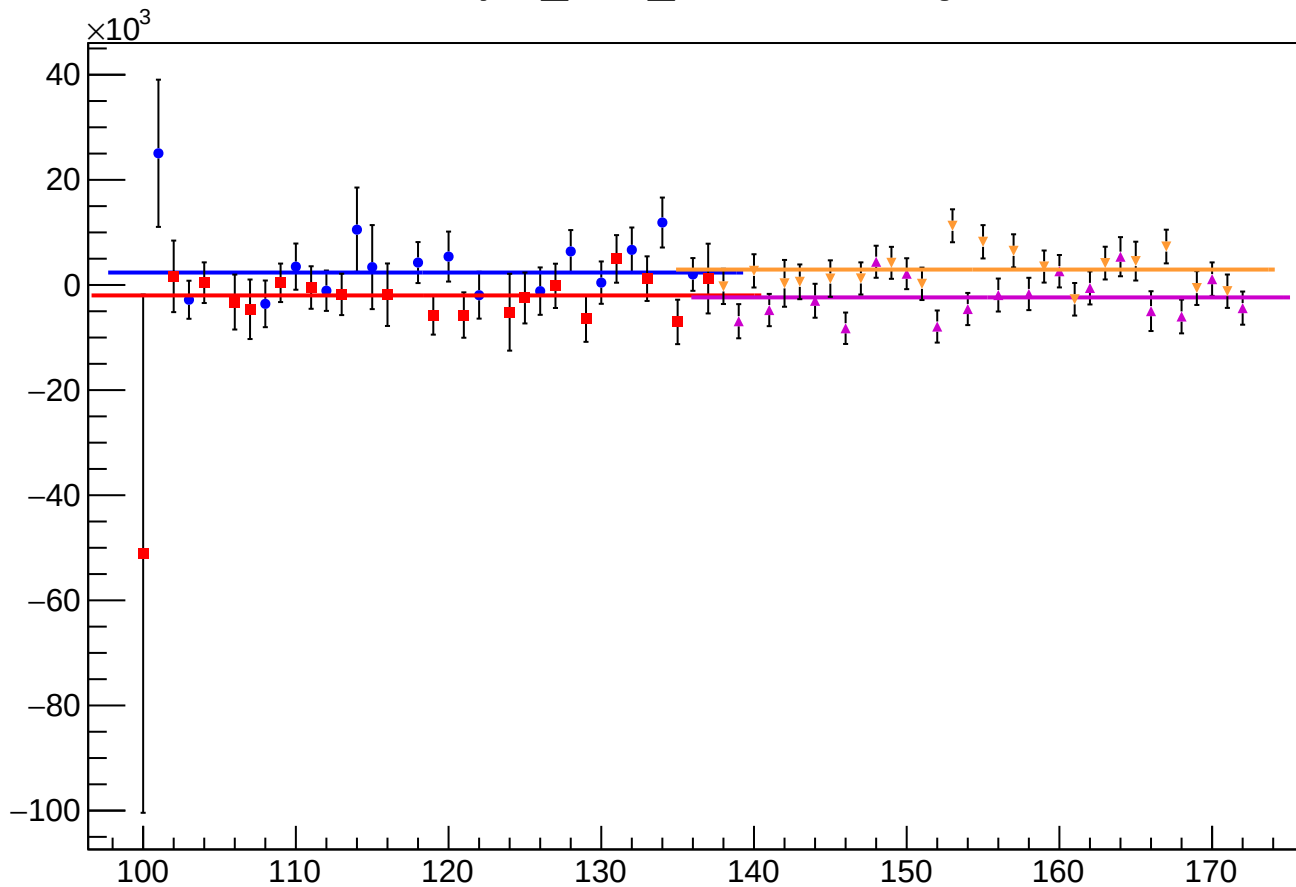
Left In: 802.609+/-0.155 χ^2/NDF : 968787.2/16

+ sign 715.435+/-0.115 χ^2/NDF : 3831076.3/33

All: 696.312+/-0.079 χ^2/NDF : 7750496.4/69

- sign 679.133+/-0.109 χ^2/NDF : 3866863.5/35

asym_atr1_mean vs Slug



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

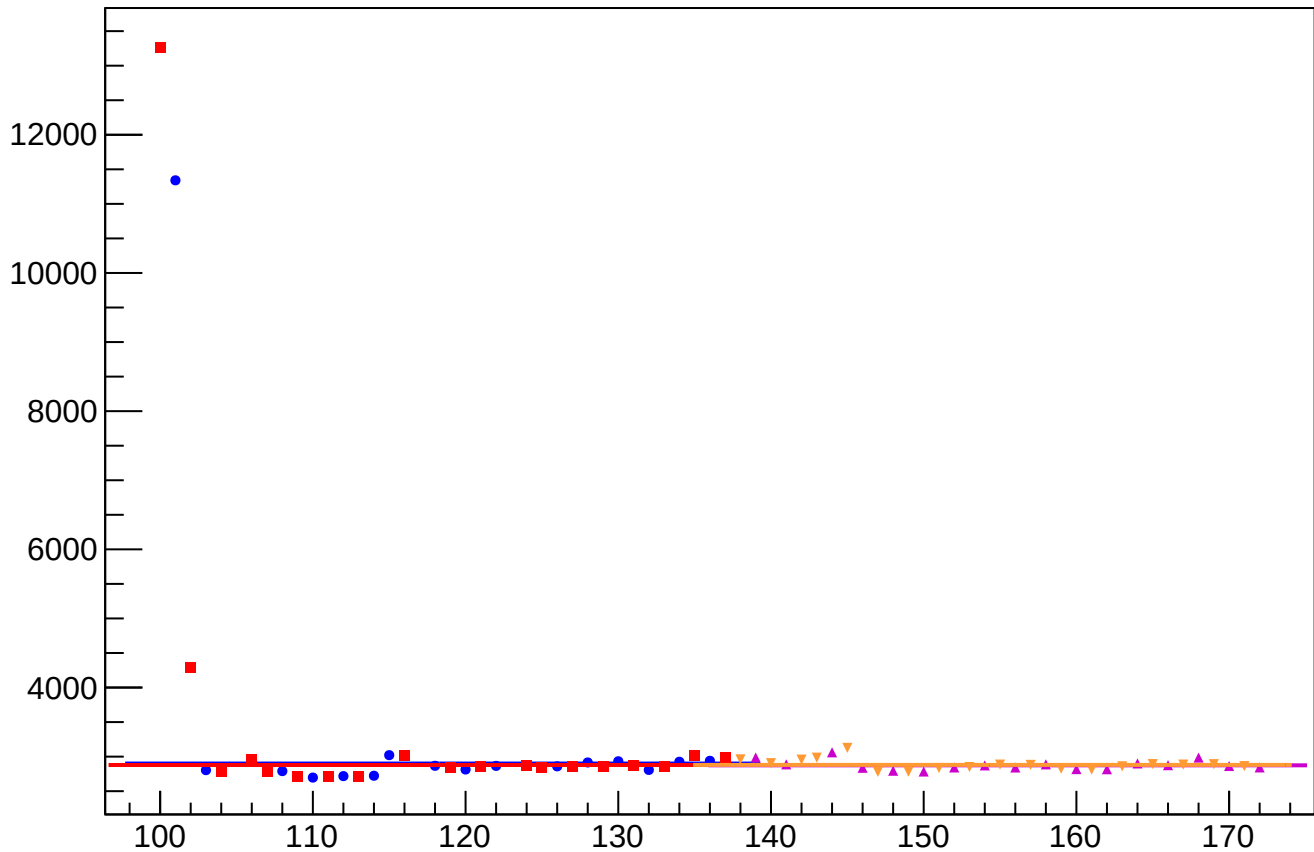
Left In: -2362.529+/-767.505 χ^2/NDF : 28.3/16

+ sign 2751.231+/-628.164 χ^2/NDF : 39.9/33

All: 243.937+/-442.950 χ^2/NDF : 110.2/69

- sign -2235.800+/-624.702 χ^2/NDF : 38.6/35

asym_atr1_rms vs Slug



Right In: 2899.827 $\pm$ 0.782 χ^2 /NDF: 741818.2/15

Left Out: 2880.365 $\pm$ 0.540 χ^2 /NDF: 20618.2/17

Right Out: 2878.957 $\pm$ 0.760 χ^2 /NDF: 193282.4/18

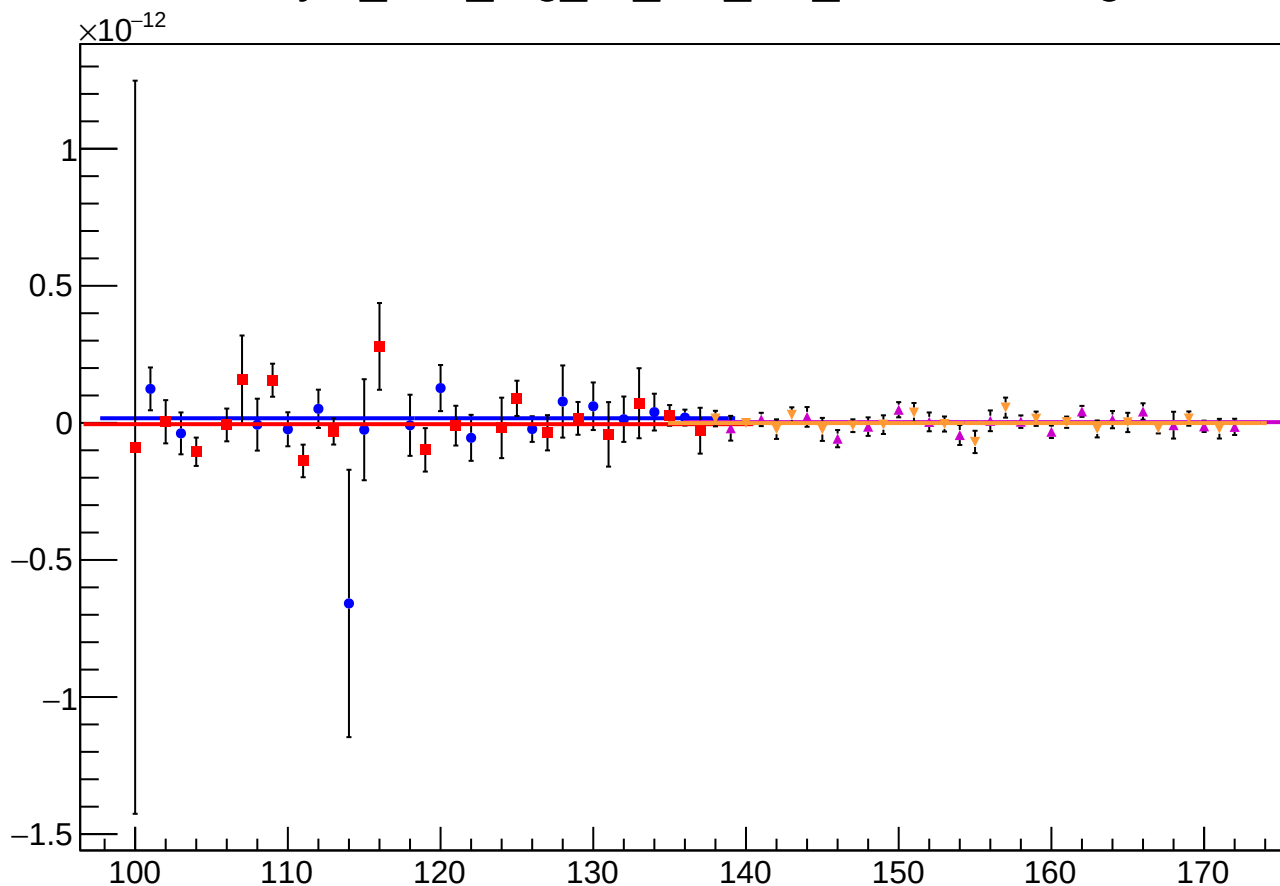
Left In: 2874.256 $\pm$ 0.543 χ^2 /NDF: 17174.0/16

+ sign 2886.641 $\pm$ 0.444 χ^2 /NDF: 762855.8/33

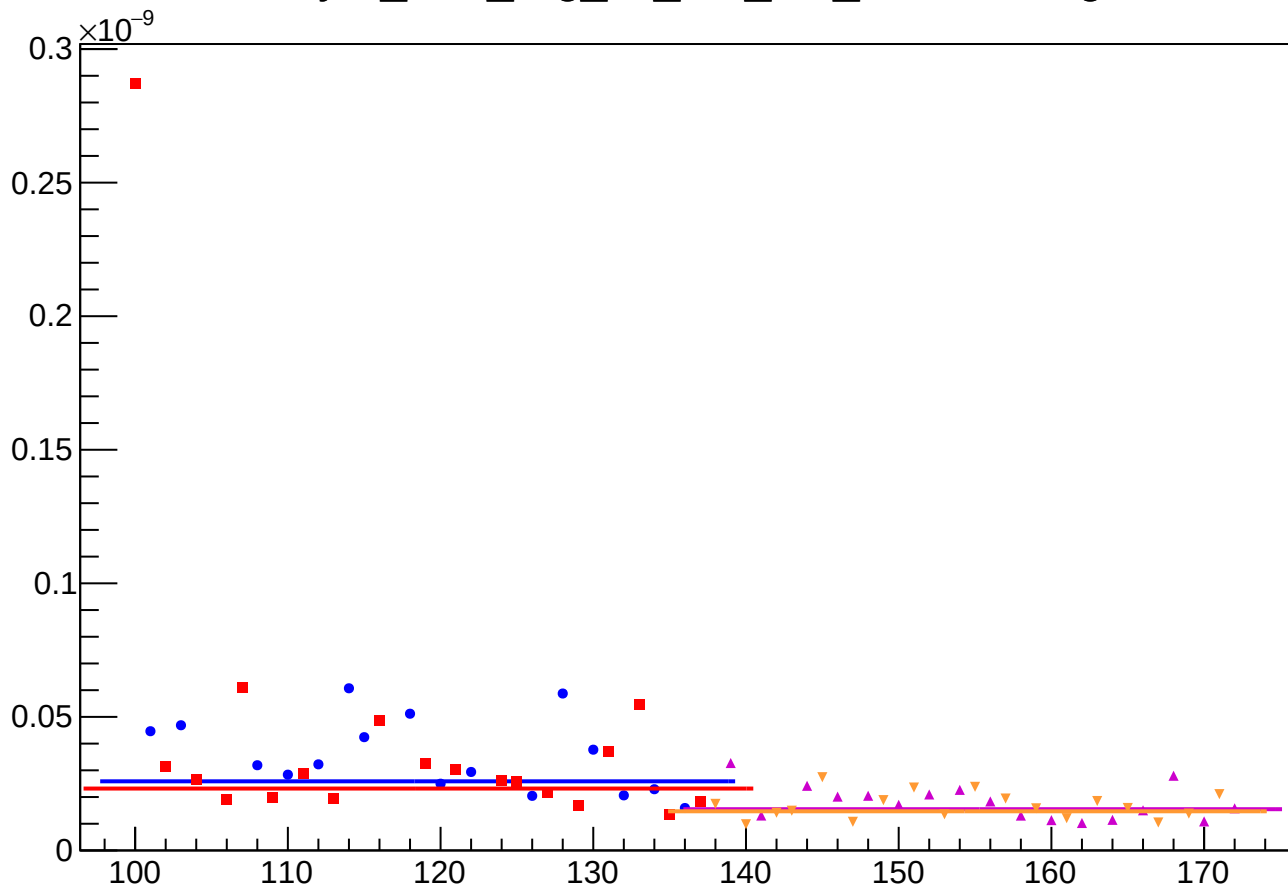
All: 2881.212 $\pm$ 0.313 χ^2 /NDF: 973634.7/69

- sign 2875.843 $\pm$ 0.442 χ^2 /NDF: 210481.8/35

asym_atr1_reg_vs_cor_diff_mean vs Slug



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

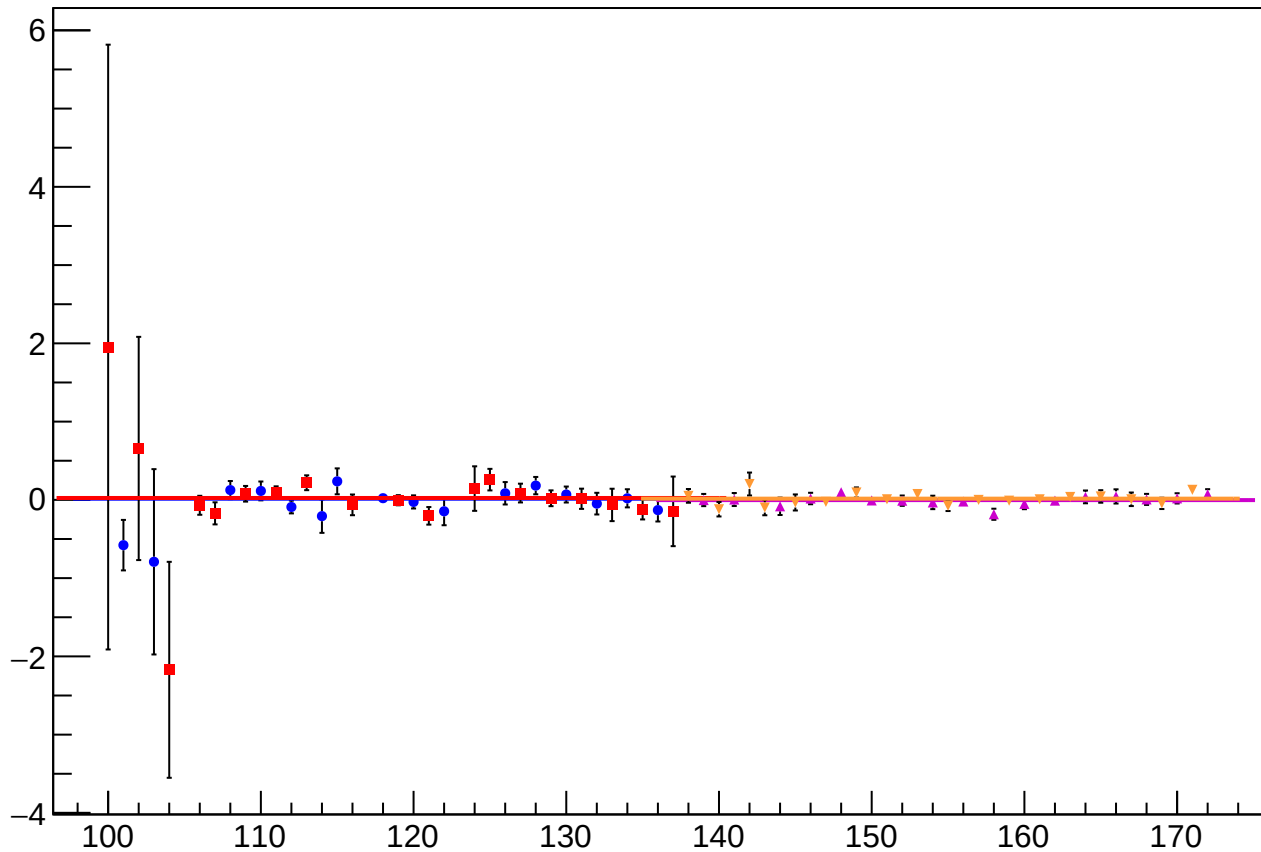
Left In: 0.000 ± 0.000 χ^2/NDF : 1150451.4/16

+ sign 0.000 ± 0.000 χ^2/NDF : 2564823.0/33

All: 0.000 ± 0.000 χ^2/NDF : 4819639.4/69

- sign 0.000 ± 0.000 χ^2/NDF : 2245505.3/35

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.016 $\pm$ 0.016 χ^2 /NDF:15.2/17

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

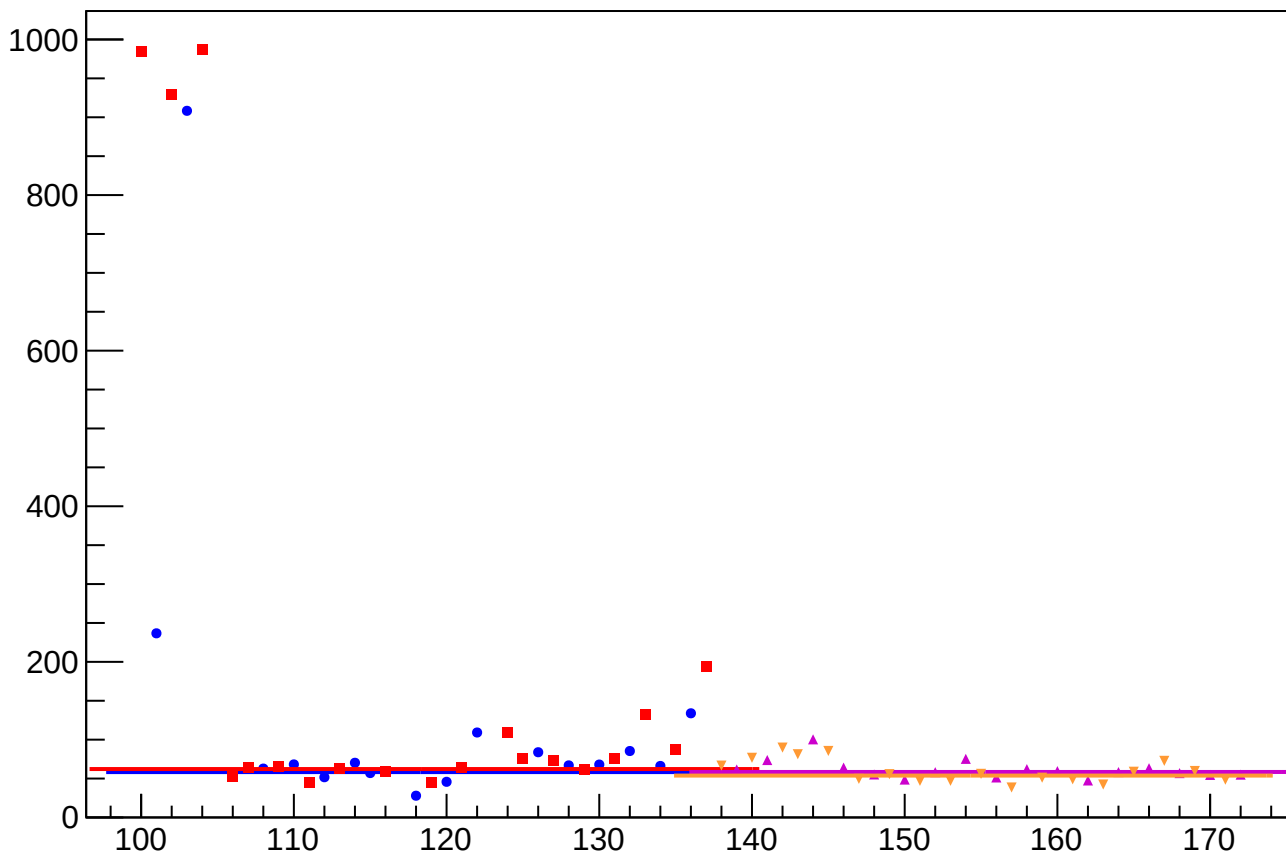
Left In: -0.003 $\pm$ 0.017 χ^2 /NDF:12.3/16

+ sign 0.015 $\pm$ 0.014 χ^2 /NDF: 30.2/33

All: 0.010 $\pm$ 0.010 χ^2 /NDF: 64.3/69

- sign 0.004 $\pm$ 0.015 χ^2 /NDF: 33.7/35

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

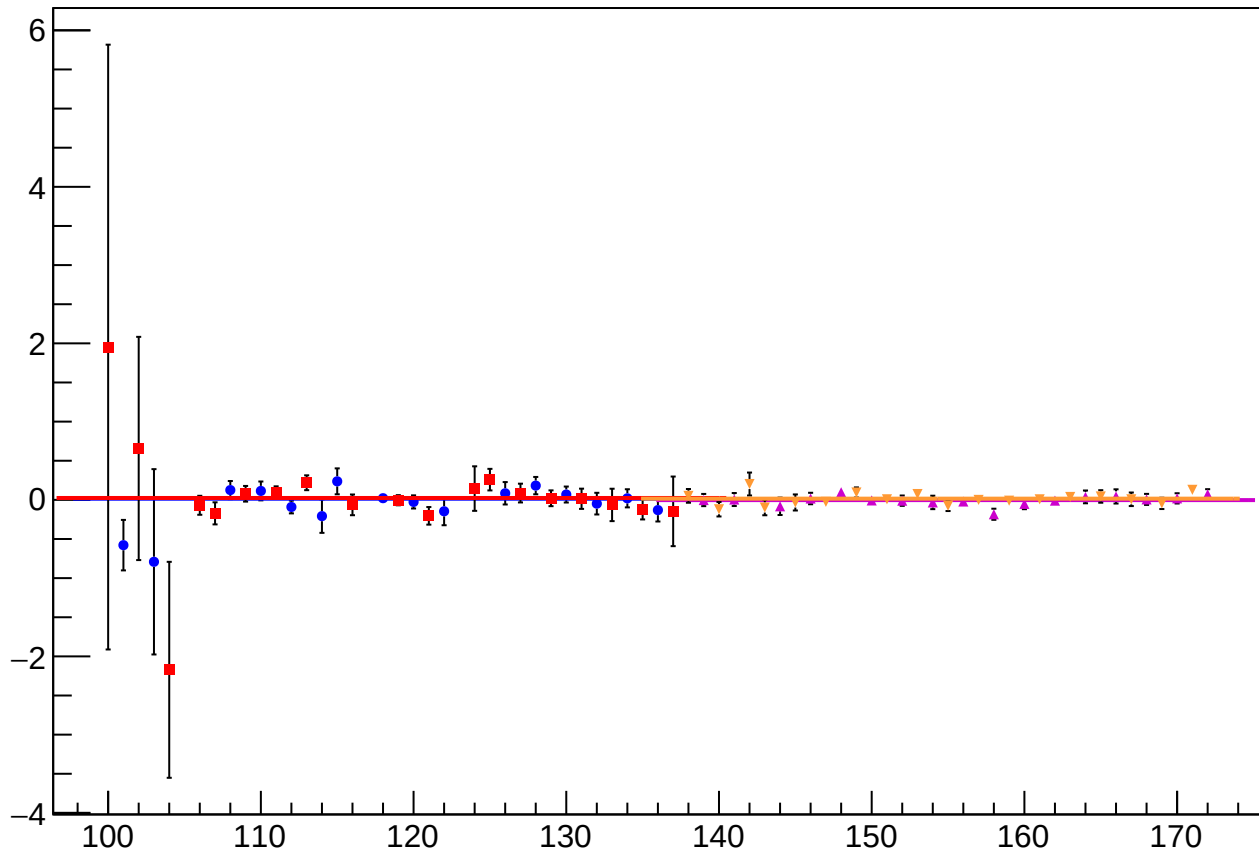
Left In: 58.466+/-0.012 χ^2/NDF : 630496.0/16

+ sign 54.959+/-0.010 χ^2/NDF : 4373495.9/33

All: 57.134+/-0.007 χ^2/NDF : 7757491.3/69

- sign 59.488+/-0.010 χ^2/NDF : 3283889.7/35

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

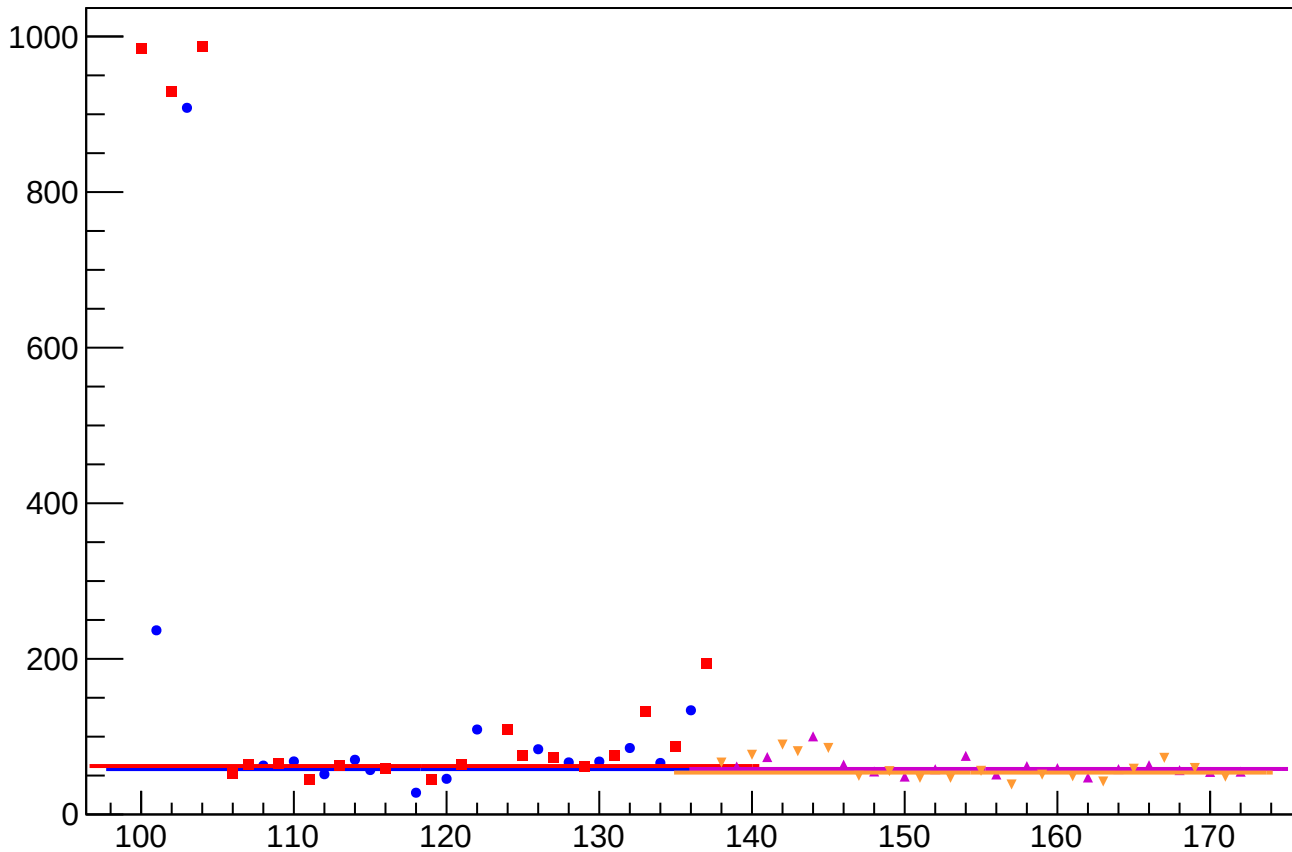
Left In: -0.003 ± 0.017 χ^2/NDF : 12.3/16

+ sign 0.015 ± 0.014 χ^2/NDF : 30.2/33

All: 0.010 ± 0.010 χ^2/NDF : 64.3/69

- sign 0.004 ± 0.015 χ^2/NDF : 33.7/35

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.313 $\pm$ 0.020 χ^2 /NDF: 3260404.3/15

Left Out: 53.818 $\pm$ 0.011 χ^2 /NDF: 1074173.6/17

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627030.1/18

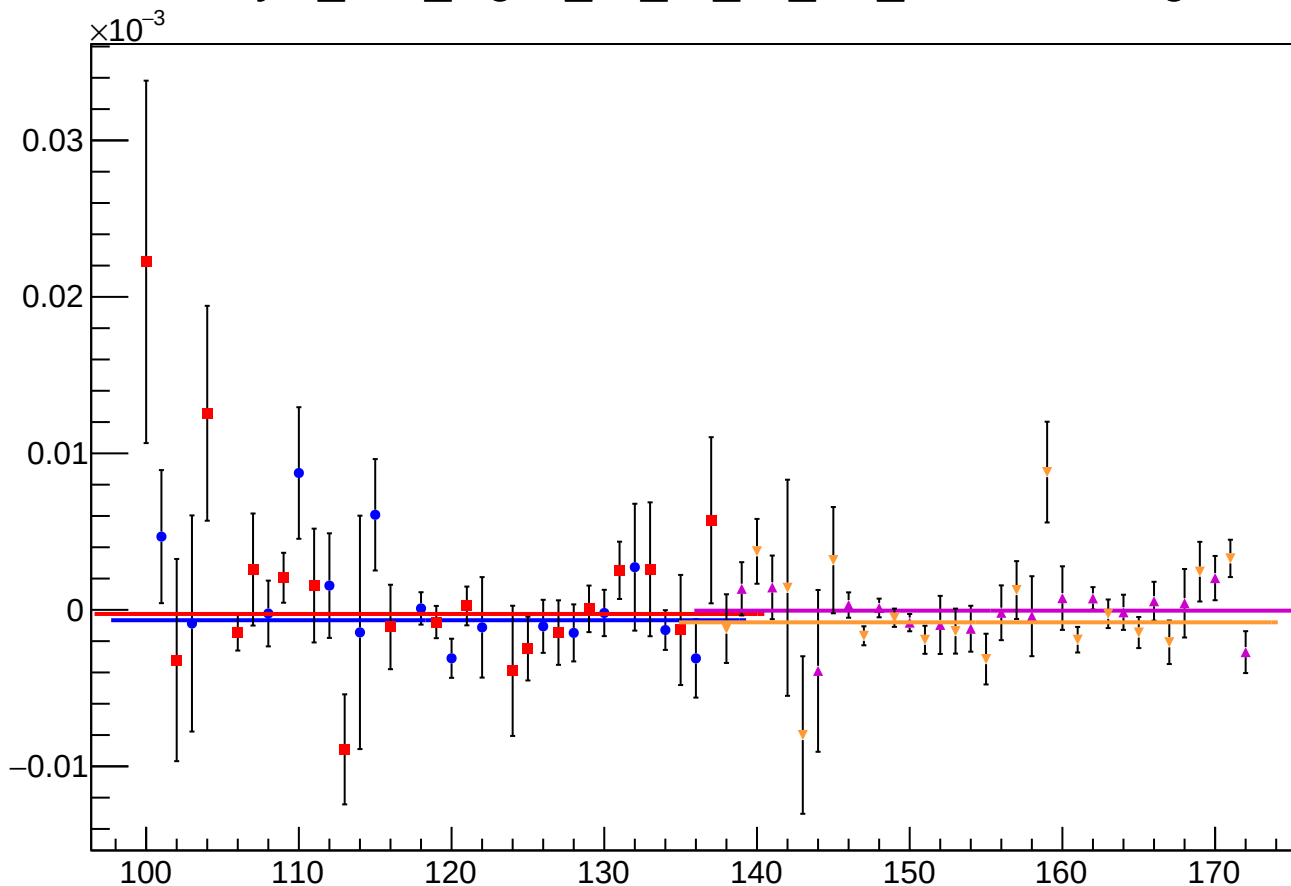
Left In: 58.466 $\pm$ 0.012 χ^2 /NDF: 630496.0/16

+ sign 54.959 $\pm$ 0.010 χ^2 /NDF: 4373495.9/33

All: 57.134 $\pm$ 0.007 χ^2 /NDF: 7757491.3/69

- sign 59.488 $\pm$ 0.010 χ^2 /NDF: 3283889.7/35

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

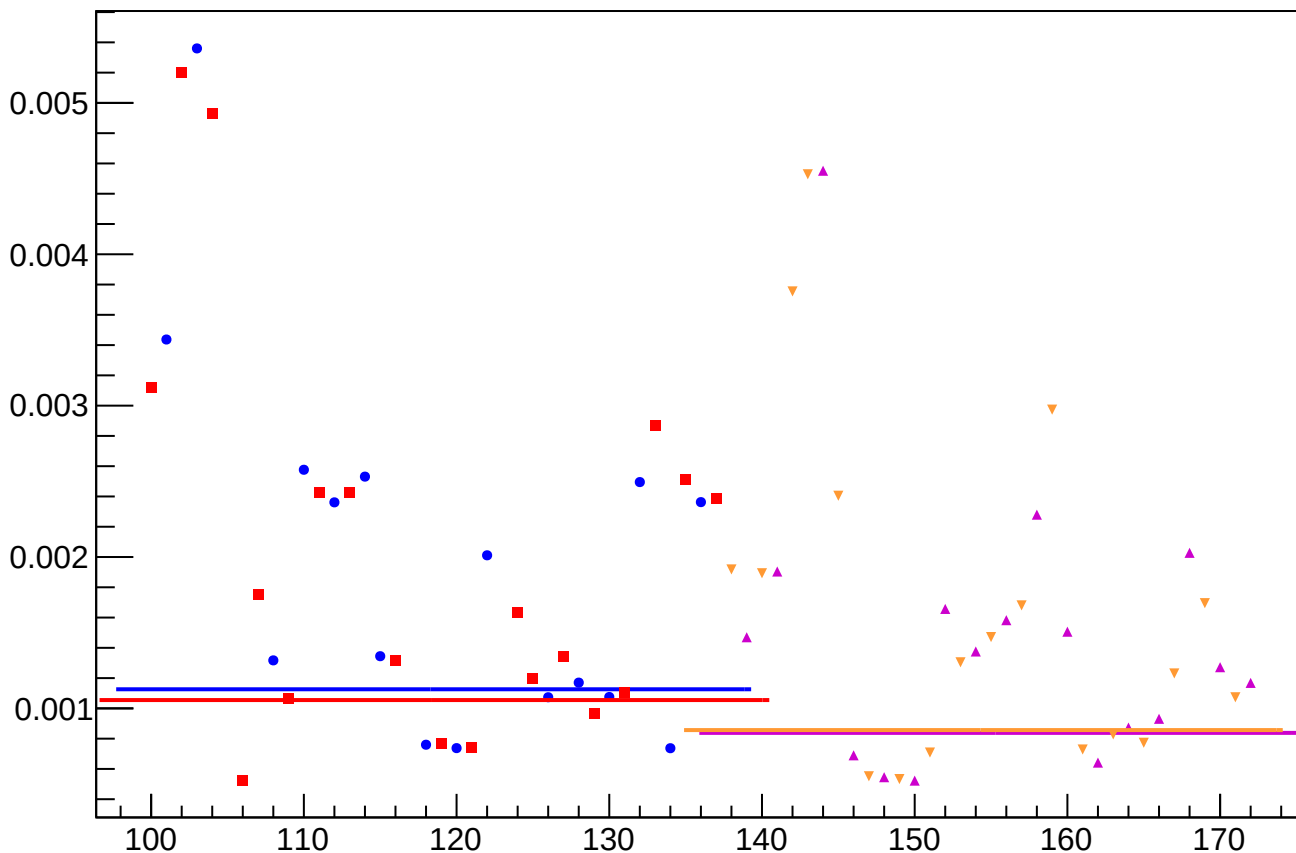
Left In: -0.000 ± 0.000 χ^2/NDF : 12.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 59.9/33

All: -0.000 ± 0.000 χ^2/NDF : 101.3/69

- sign -0.000 ± 0.000 χ^2/NDF : 37.3/35

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

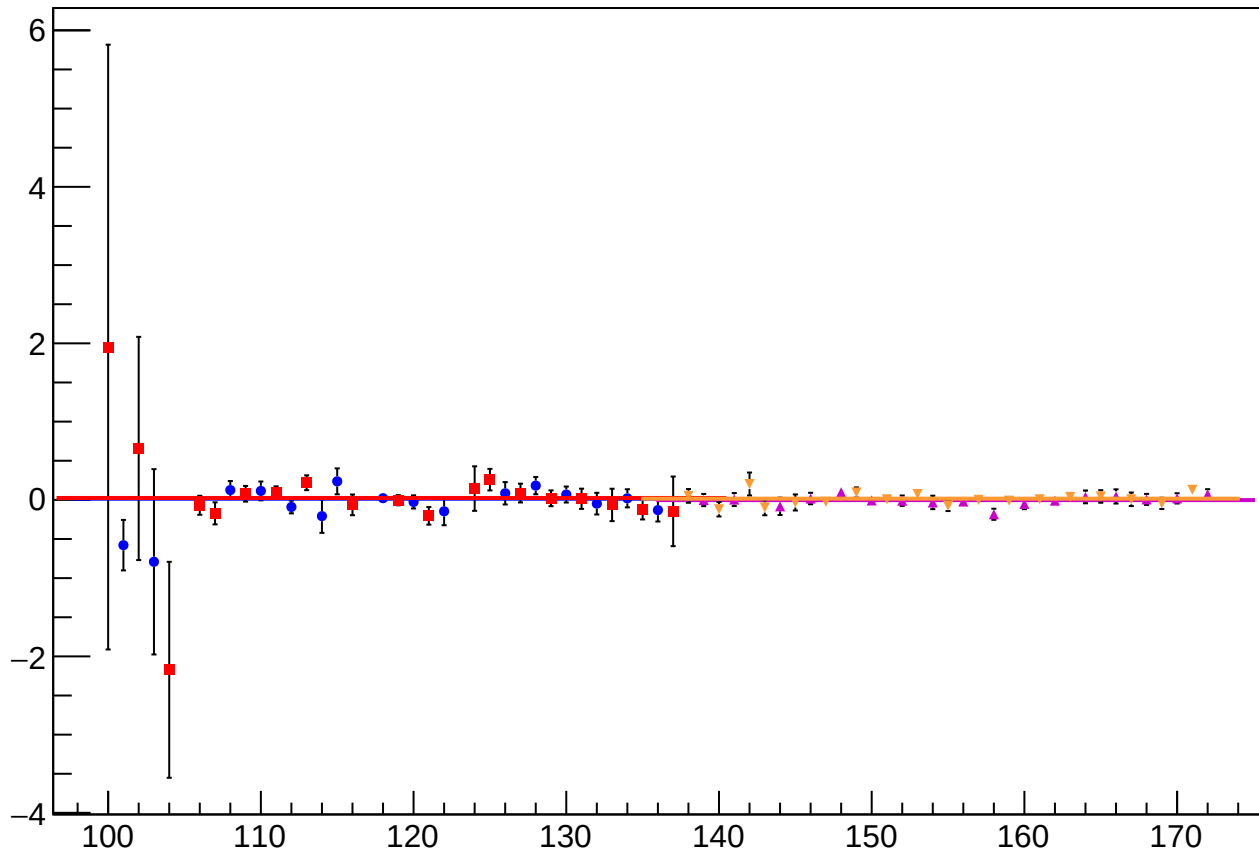
Left In: 0.001+/-0.000 χ^2/NDF : 5994951.2/16

+ sign 0.001+/-0.000 χ^2/NDF : 10302532.8/33

All: 0.001+/-0.000 χ^2/NDF : 20489184.3/69

- sign 0.001+/-0.000 χ^2/NDF : 10172546.7/35

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

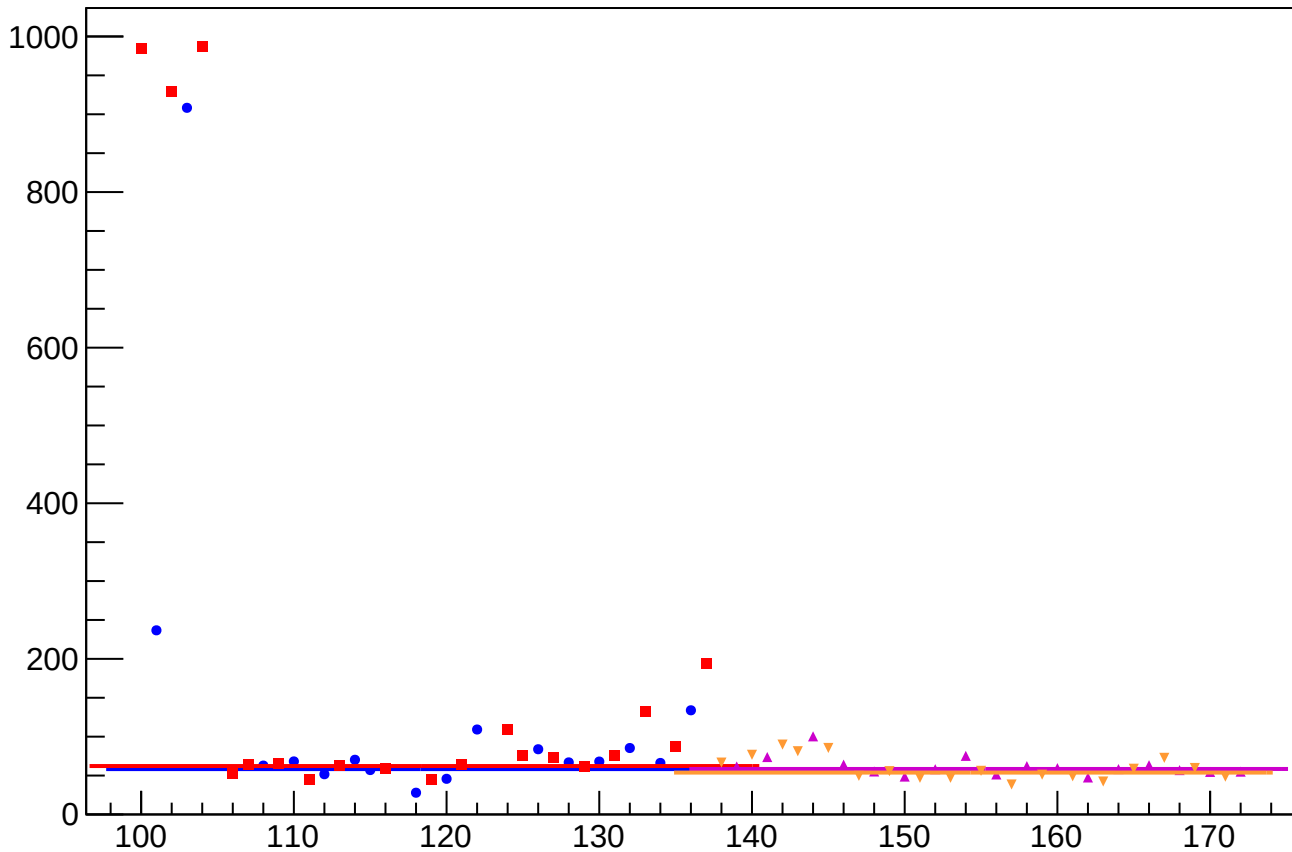
Left In: -0.003 ± 0.017 χ^2/NDF : 12.3/16

+ sign 0.015 ± 0.014 χ^2/NDF : 30.2/33

All: 0.010 ± 0.010 χ^2/NDF : 64.3/69

- sign 0.004 ± 0.015 χ^2/NDF : 33.7/35

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.312 $\pm$ 0.020 χ^2 /NDF: 3260484.2/15

Left Out: 53.817 $\pm$ 0.011 χ^2 /NDF: 1074240.3/17

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

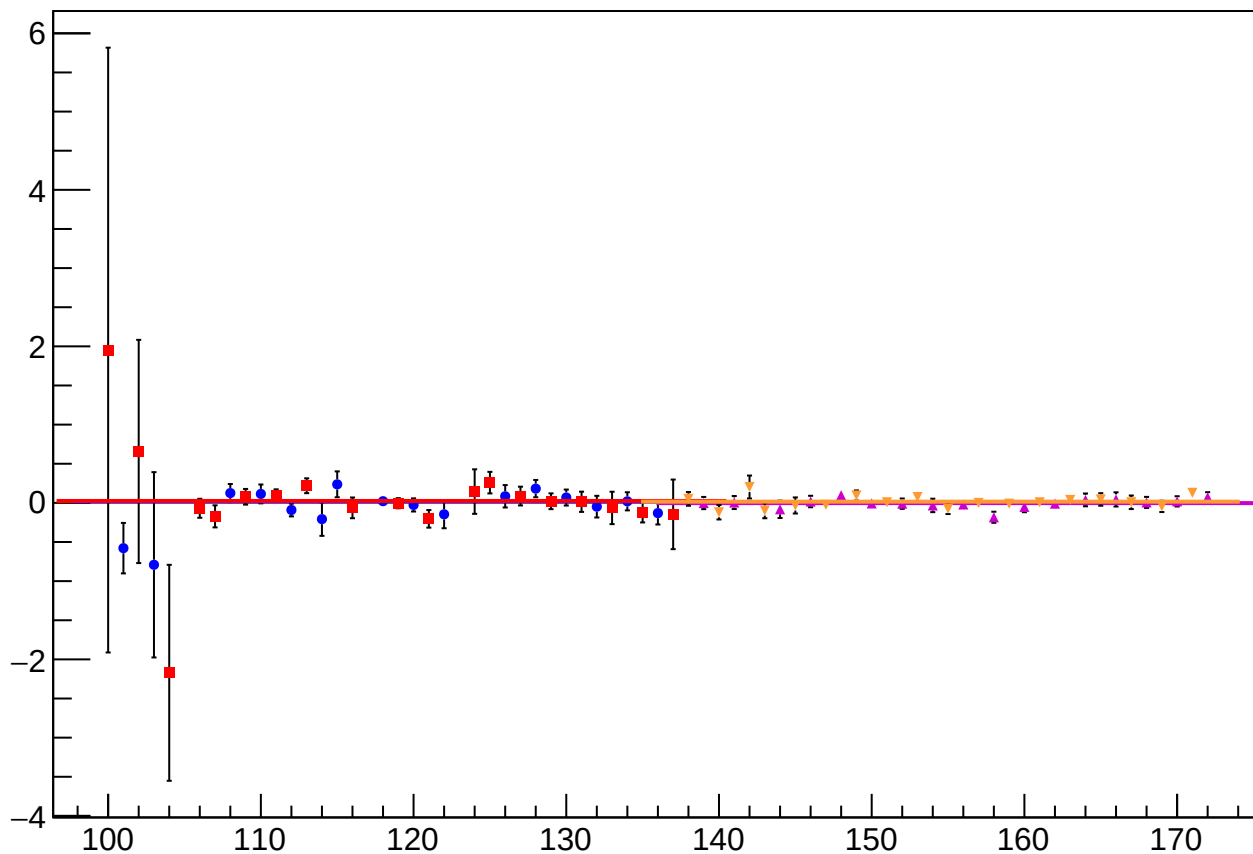
Left In: 58.466 $\pm$ 0.012 χ^2 /NDF: 630518.3/16

+ sign 54.959 $\pm$ 0.010 χ^2 /NDF: 4373637.7/33

All: 57.133 $\pm$ 0.007 χ^2 /NDF: 7757671.6/69

- sign 59.488 $\pm$ 0.010 χ^2 /NDF: 3283901.1/35

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.028 χ^2 /NDF: 15.0/15

Left Out: 0.016 $\pm$ 0.016 χ^2 /NDF:15.2/17

Right Out: 0.024 $\pm$ 0.028 χ^2 /NDF: 20.8/18

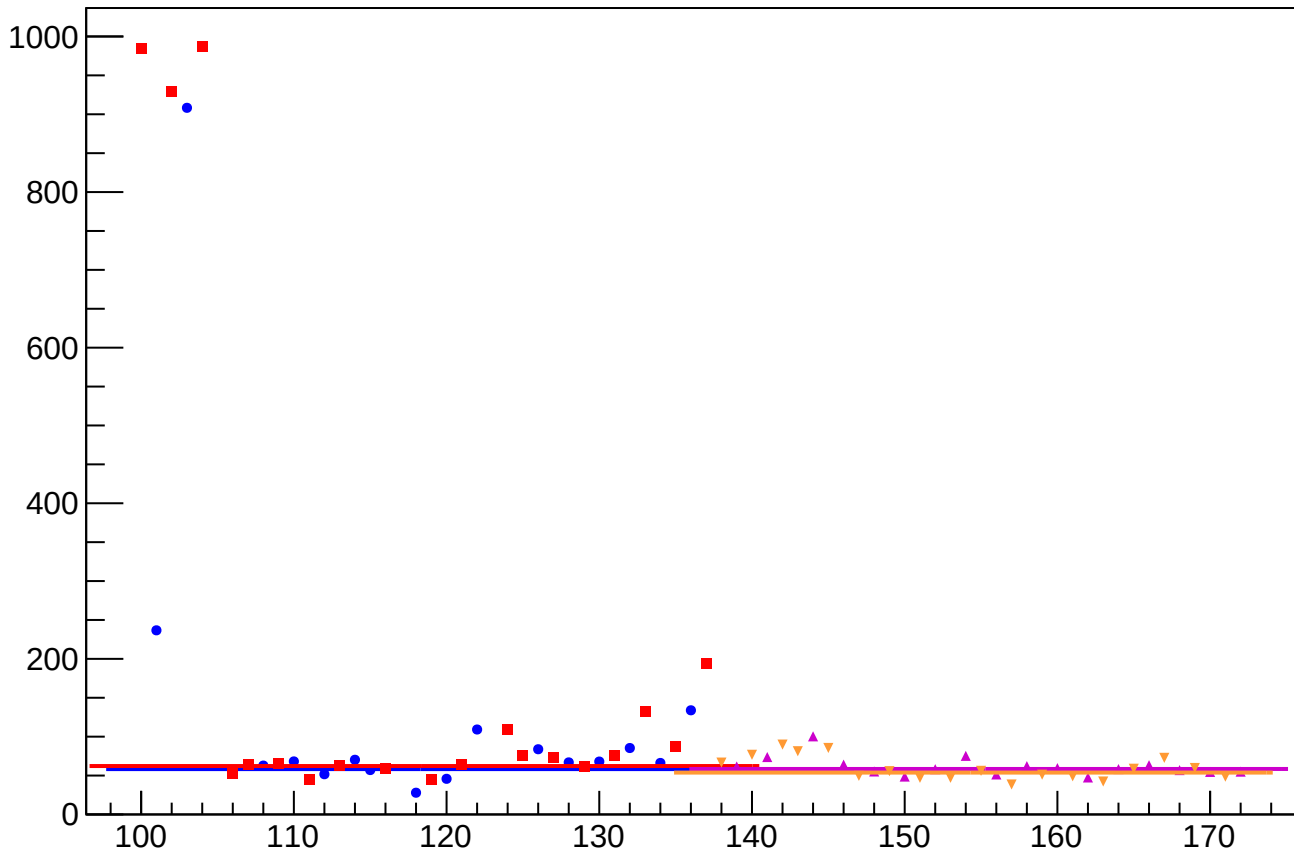
Left In: -0.003 $\pm$ 0.017 χ^2 /NDF:12.3/16

+ sign 0.015 $\pm$ 0.014 χ^2 /NDF: 30.2/33

All: 0.010 $\pm$ 0.010 χ^2 /NDF: 64.3/69

- sign 0.004 $\pm$ 0.015 χ^2 /NDF: 33.7/35

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.312 $\pm$ 0.020 χ^2 /NDF: 3260484.2/15

Left Out: 53.817 $\pm$ 0.011 χ^2 /NDF: 1074240.3/17

Right Out: 62.235 $\pm$ 0.020 χ^2 /NDF: 2627022.3/18

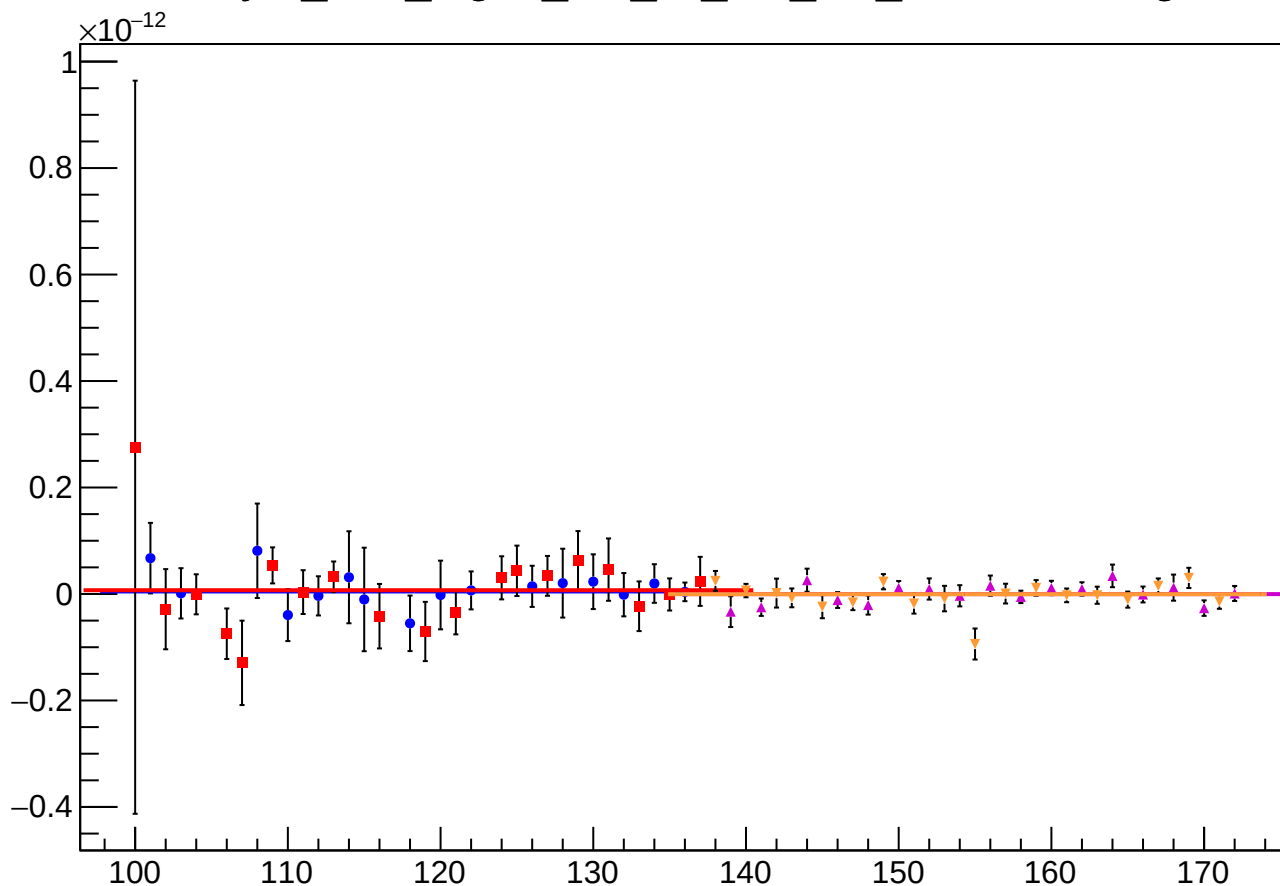
Left In: 58.466 $\pm$ 0.012 χ^2 /NDF: 630518.3/16

+ sign 54.959 $\pm$ 0.010 χ^2 /NDF: 4373637.7/33

All: 57.133 $\pm$ 0.007 χ^2 /NDF: 7757671.6/69

- sign 59.488 $\pm$ 0.010 χ^2 /NDF: 3283901.1/35

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 24.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 16.1/18

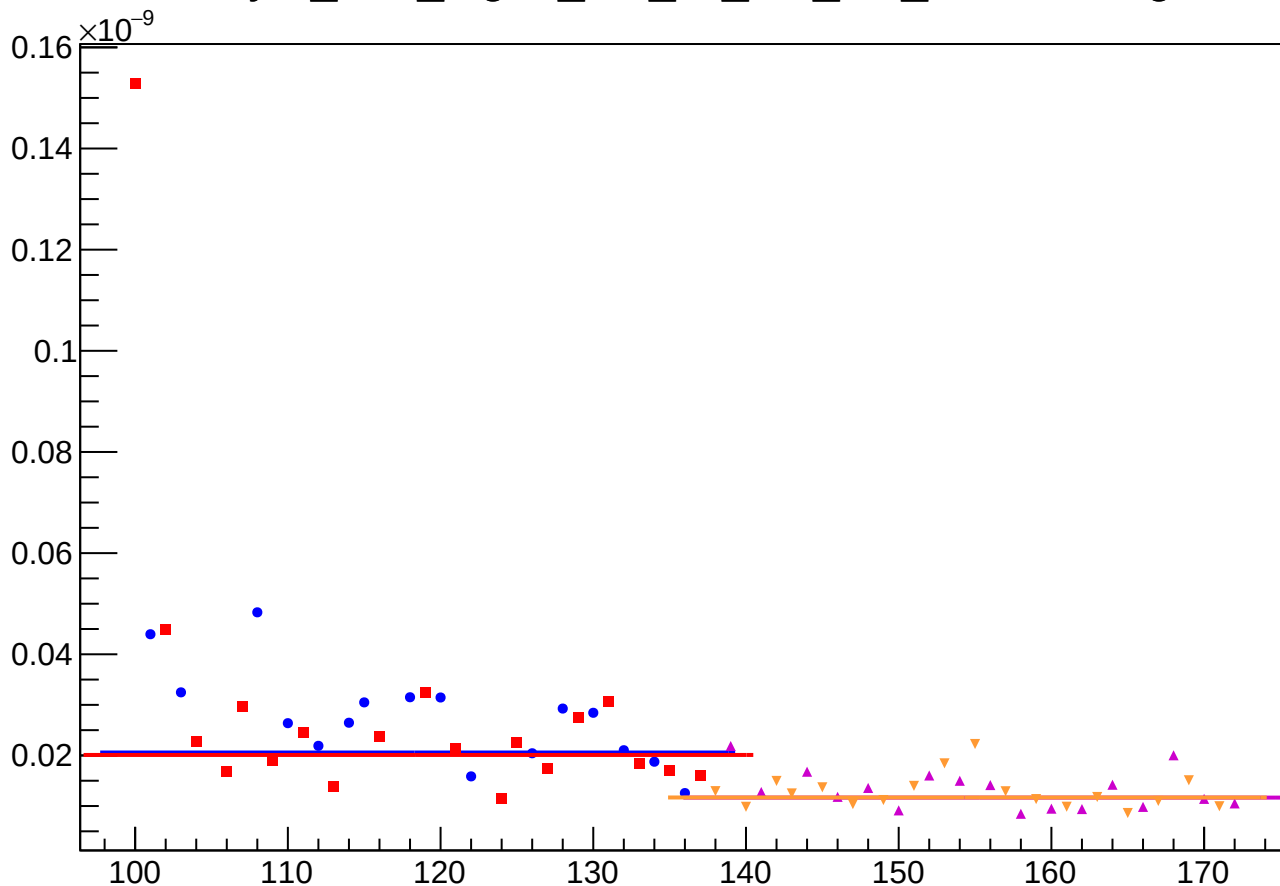
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 16.3/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 29.1/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 62.0/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 32.9/35

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 805750.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 812191.2/18

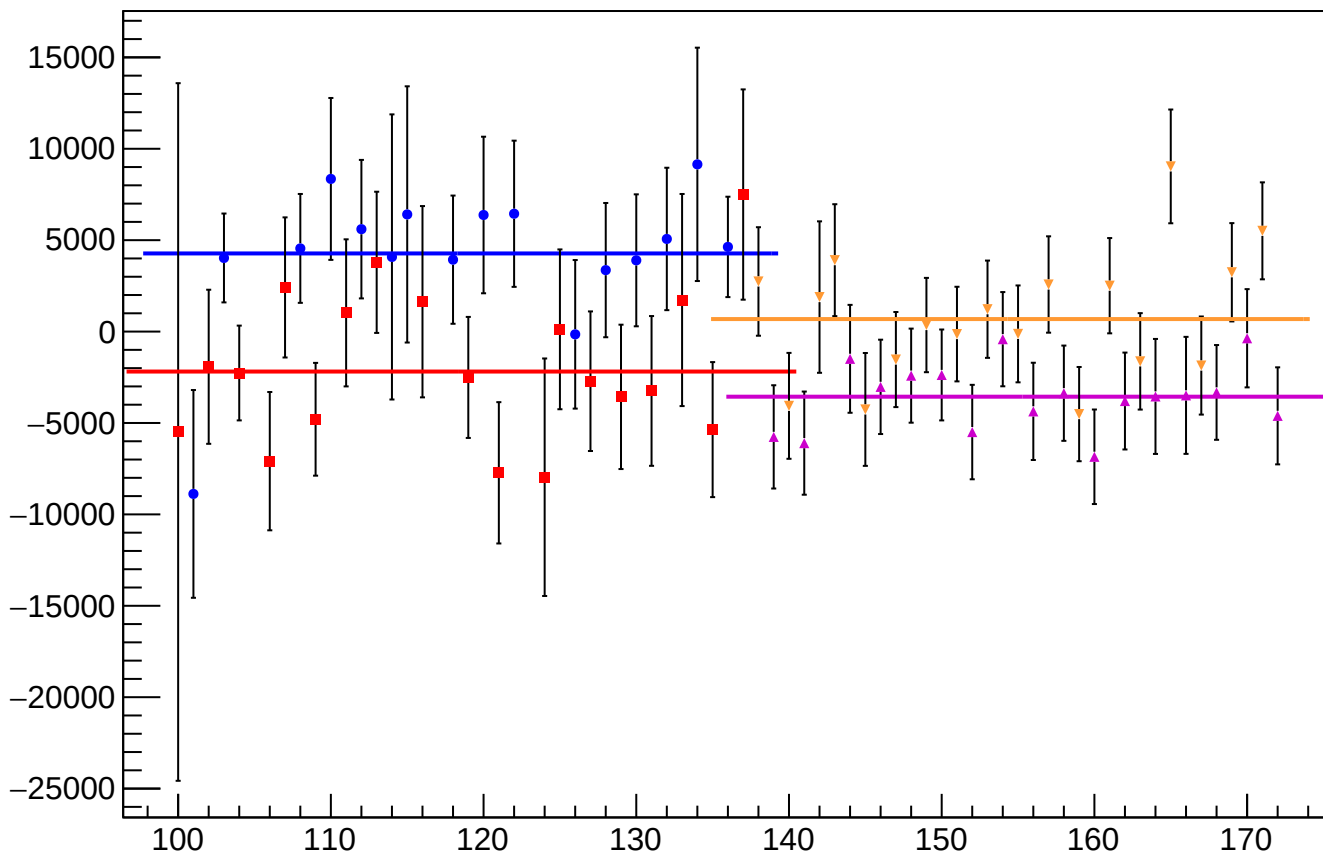
Left In: 0.000+/-0.000 χ^2/NDF : 1228240.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 3439956.4/33

All: 0.000+/-0.000 χ^2/NDF : 6690488.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3250326.6/35

reg_asym_atr2_mean vs Slug



Right In: 4274.393 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: 684.430 $\pm$ 653.462 χ^2 /NDF:26.1/17

Right Out: -2186.264 $\pm$ 922.104 χ^2 /NDF: 14.8/18

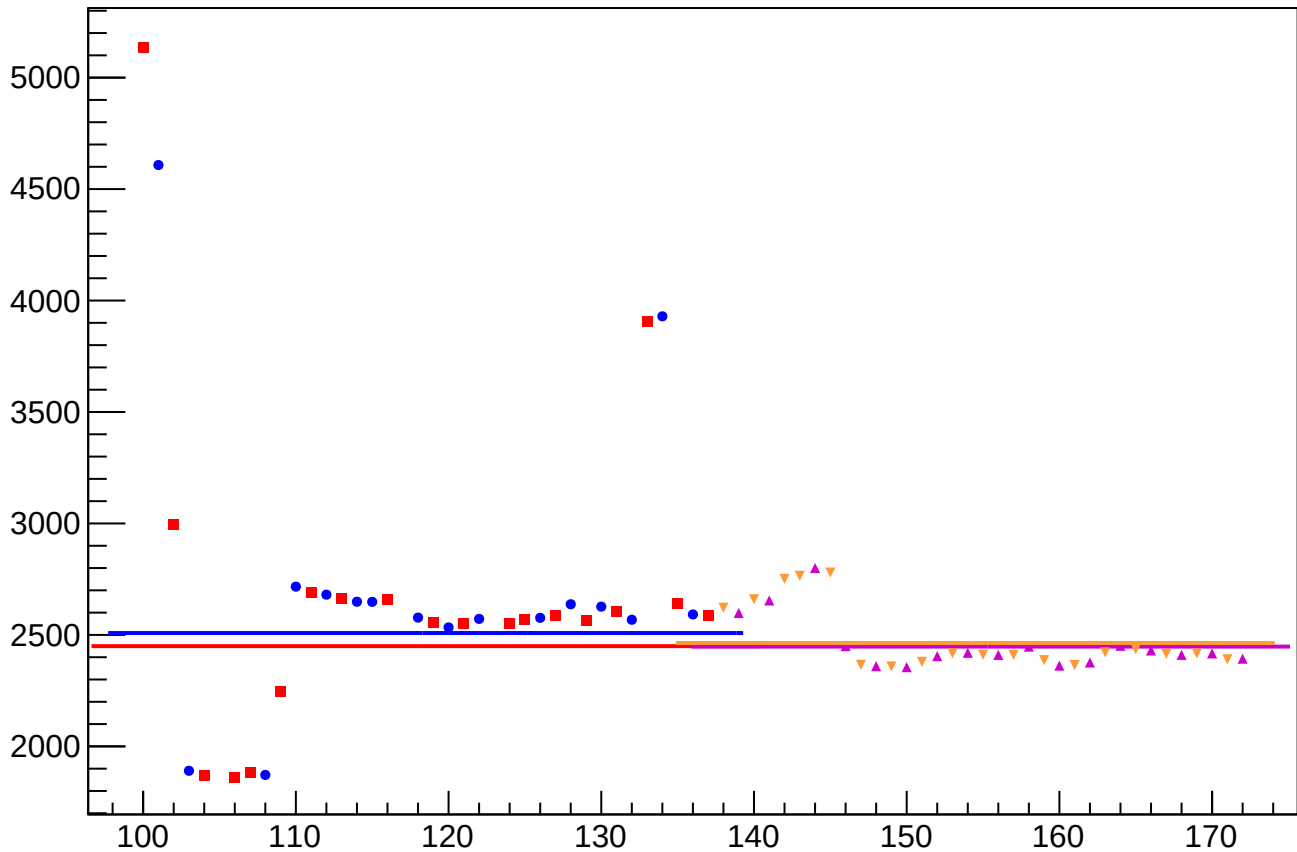
Left In: -3561.697 $\pm$ 654.023 χ^2 /NDF:7.7/16

+ sign 1834.237 $\pm$ 538.746 χ^2 /NDF: 44.6/33

All: -657.878 $\pm$ 379.069 χ^2 /NDF: 111.0/69

- sign -3101.348 $\pm$ 533.462 χ^2 /NDF: 24.0/35

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

+ sign 2478.127+/-0.381 χ^2/NDF : 698012.2/33

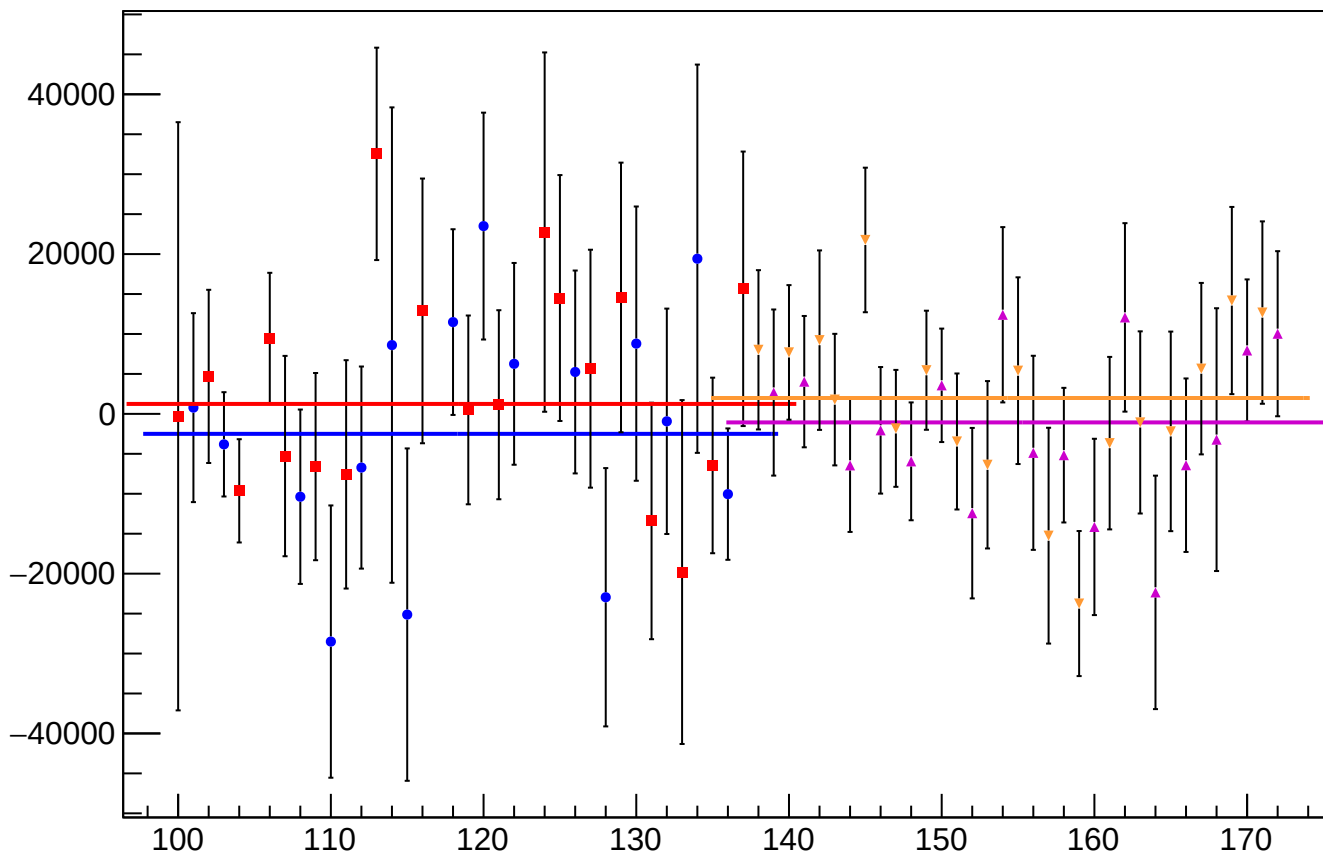
Right Out: 2449.623+/-0.652 χ^2/NDF : 436901.0/18

All: 2463.076+/-0.268 χ^2/NDF : 1194461.3/69

- sign 2448.318+/-0.377 χ^2/NDF : 493357.4/35

Left In: 2447.661+/-0.462 χ^2/NDF : 56450.4/16

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

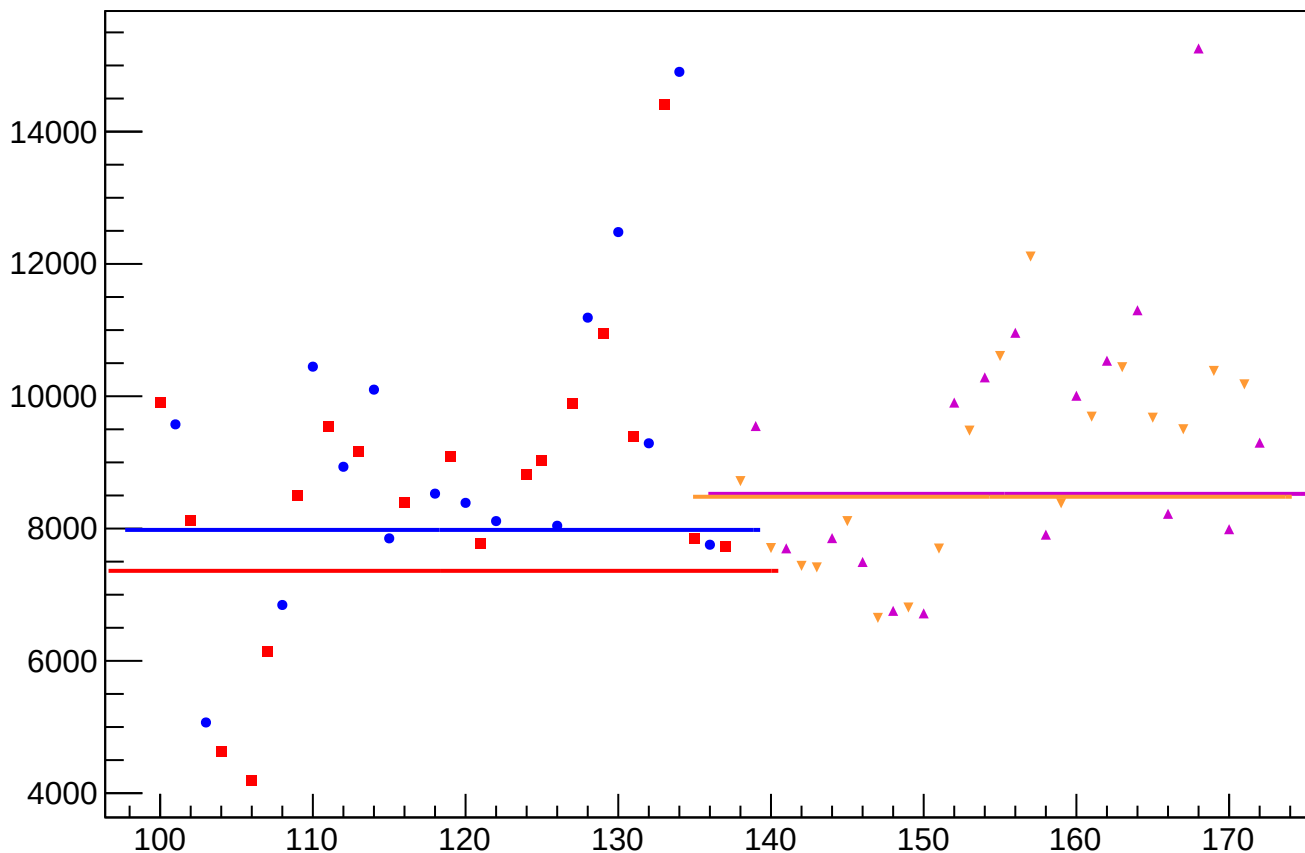
Left In: -1069.382 ± 2325.874 χ^2/NDF : 12.0/16

+ sign 381.889 ± 1839.178 χ^2/NDF : 35.0/33

All: 112.907 ± 1287.390 χ^2/NDF : 64.0/69

- sign -145.499 ± 1802.659 χ^2/NDF : 29.0/35

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

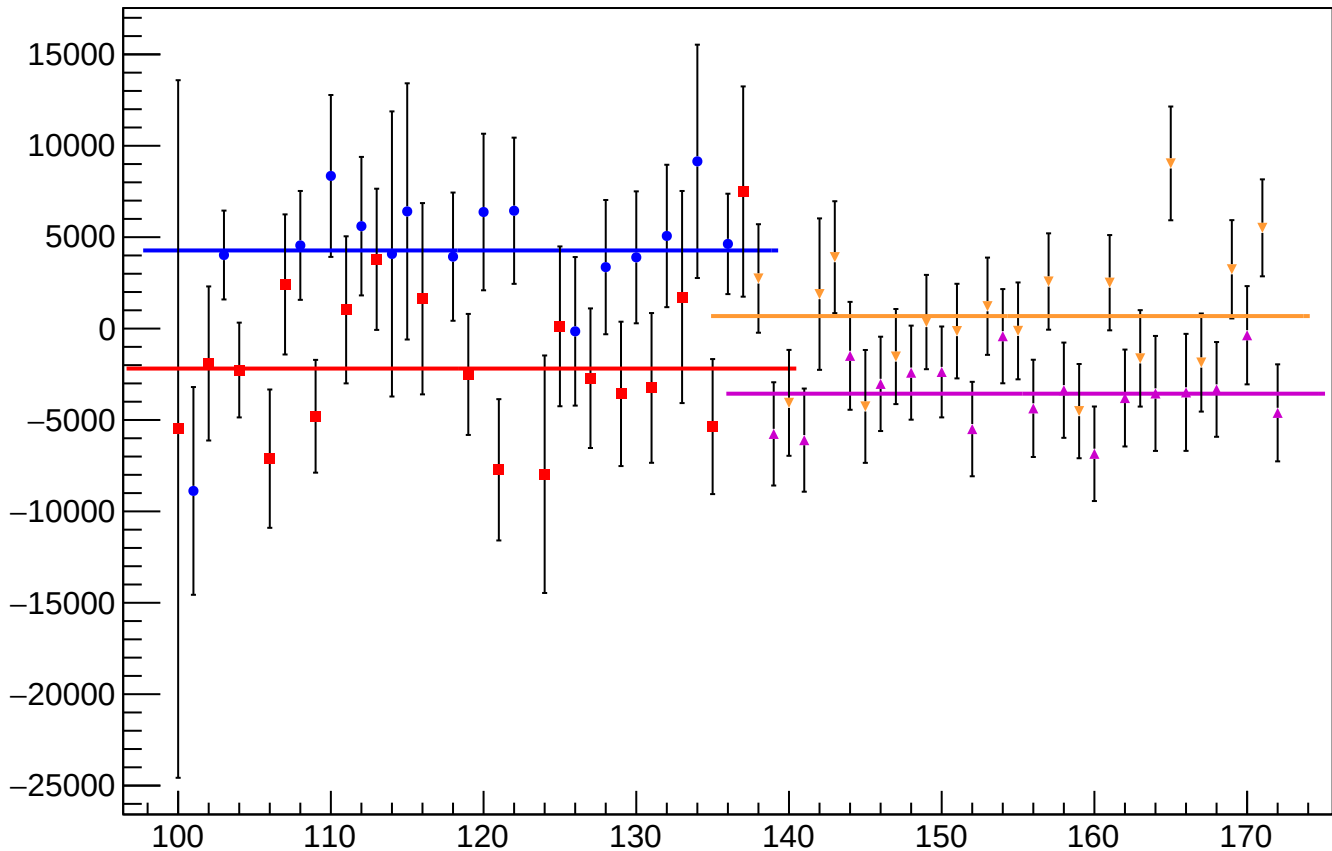
Left In: 8524.424+/-1.645 χ^2/NDF : 1028408.6/16

+ sign 8301.430+/-1.300 χ^2/NDF : 1719452.9/33

All: 8178.172+/-0.910 χ^2/NDF : 4251390.1/69

- sign 8059.761+/-1.275 χ^2/NDF : 2514324.9/35

cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: 684.193 $\pm$ 653.462 χ^2 /NDF: 26.1/17

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

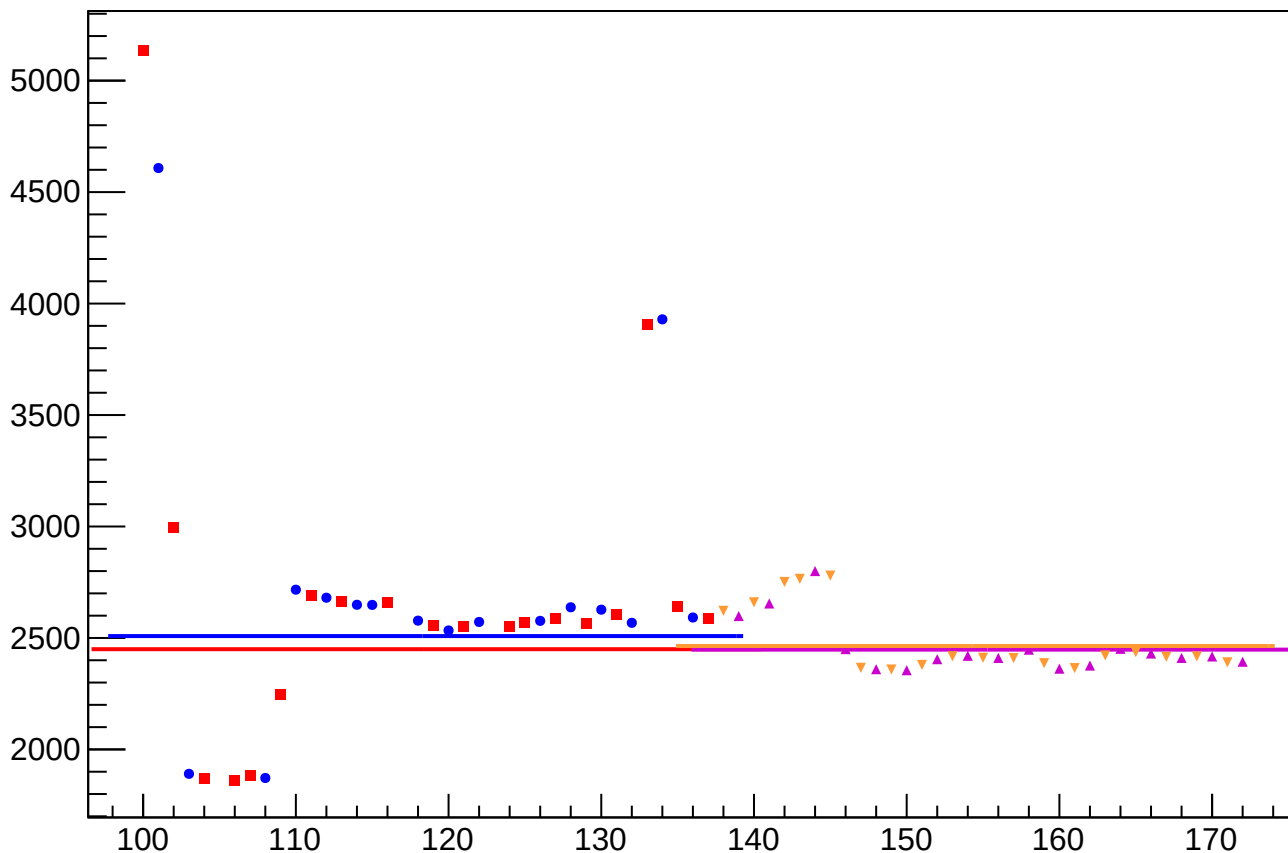
Left In: -3561.601 $\pm$ 654.023 χ^2 /NDF: 7.7/16

+ sign 1833.918 $\pm$ 538.746 χ^2 /NDF: 44.6/33

All: -658.105 $\pm$ 379.070 χ^2 /NDF: 111.0/69

- sign -3101.497 $\pm$ 533.464 χ^2 /NDF: 24.0/35

cor_asym_atr2_rms vs Slug



Right In: 2508.467 ± 0.673 $\chi^2/\text{NDF}: 611587.4/15$

Left Out: 2463.831 ± 0.462 $\chi^2/\text{NDF}: 83433.8/17$

Right Out: 2449.647 ± 0.652 $\chi^2/\text{NDF}: 436846.6/18$

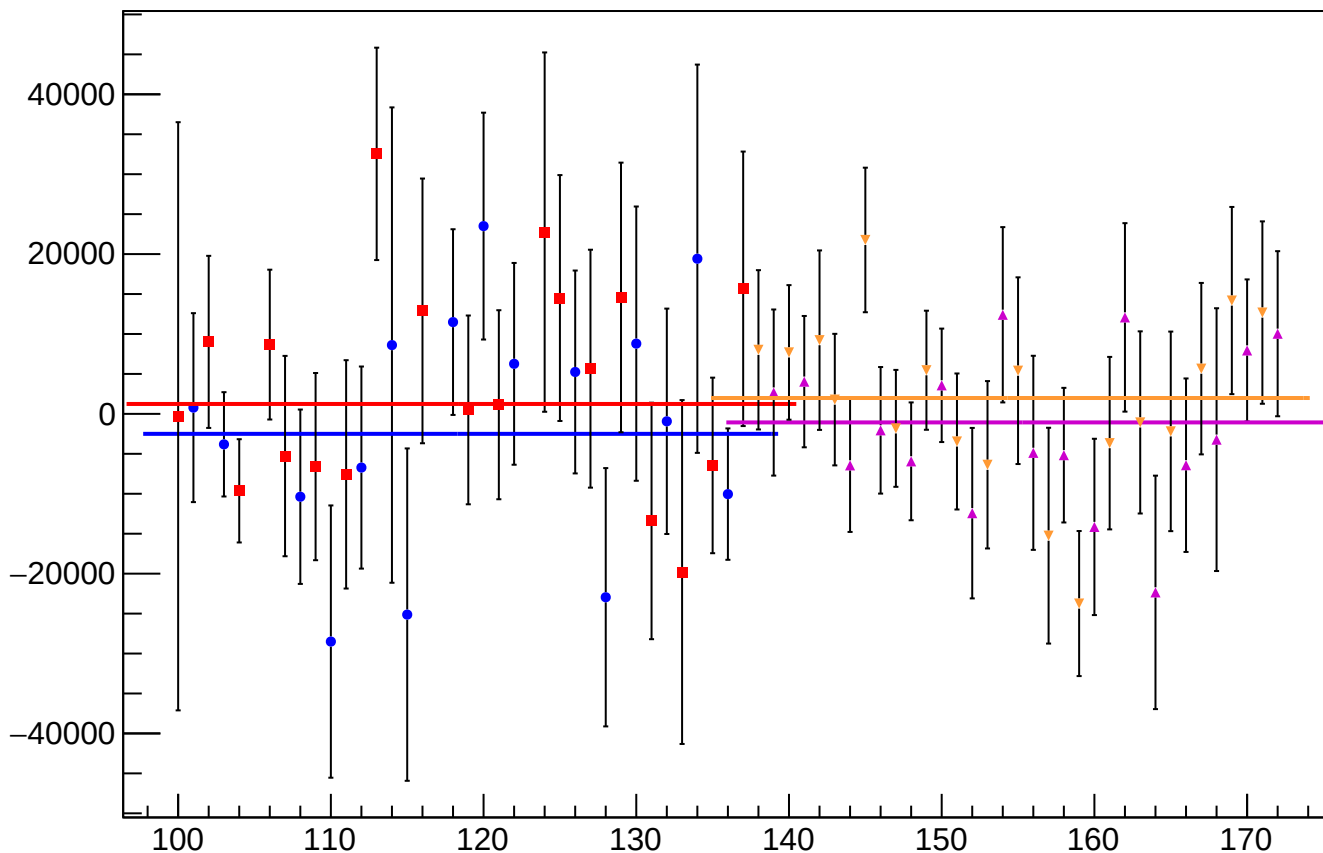
Left In: 2447.661 ± 0.462 $\chi^2/\text{NDF}: 56450.4/16$

+ sign 2478.127 ± 0.381 $\chi^2/\text{NDF}: 698010.1/33$

All: 2463.080 ± 0.268 $\chi^2/\text{NDF}: 1194403.3/69$

- sign 2448.326 ± 0.377 $\chi^2/\text{NDF}: 493303.2/35$

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

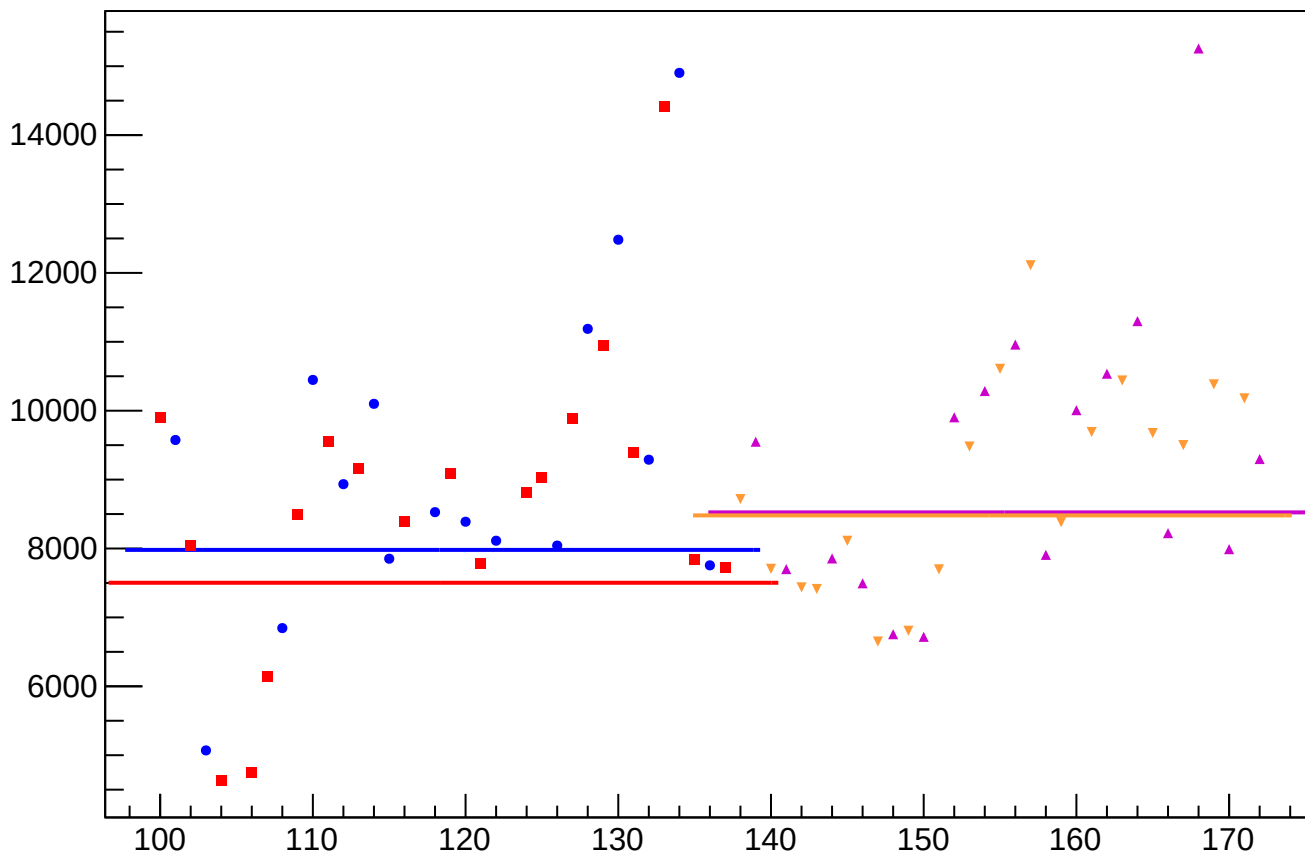
Left In: -1069.422 ± 2325.873 χ^2/NDF : 12.0/16

+ sign 382.019 ± 1839.195 χ^2/NDF : 35.0/33

All: 105.591 ± 1291.075 χ^2/NDF : 64.0/69

- sign -162.961 ± 1812.804 χ^2/NDF : 29.0/35

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

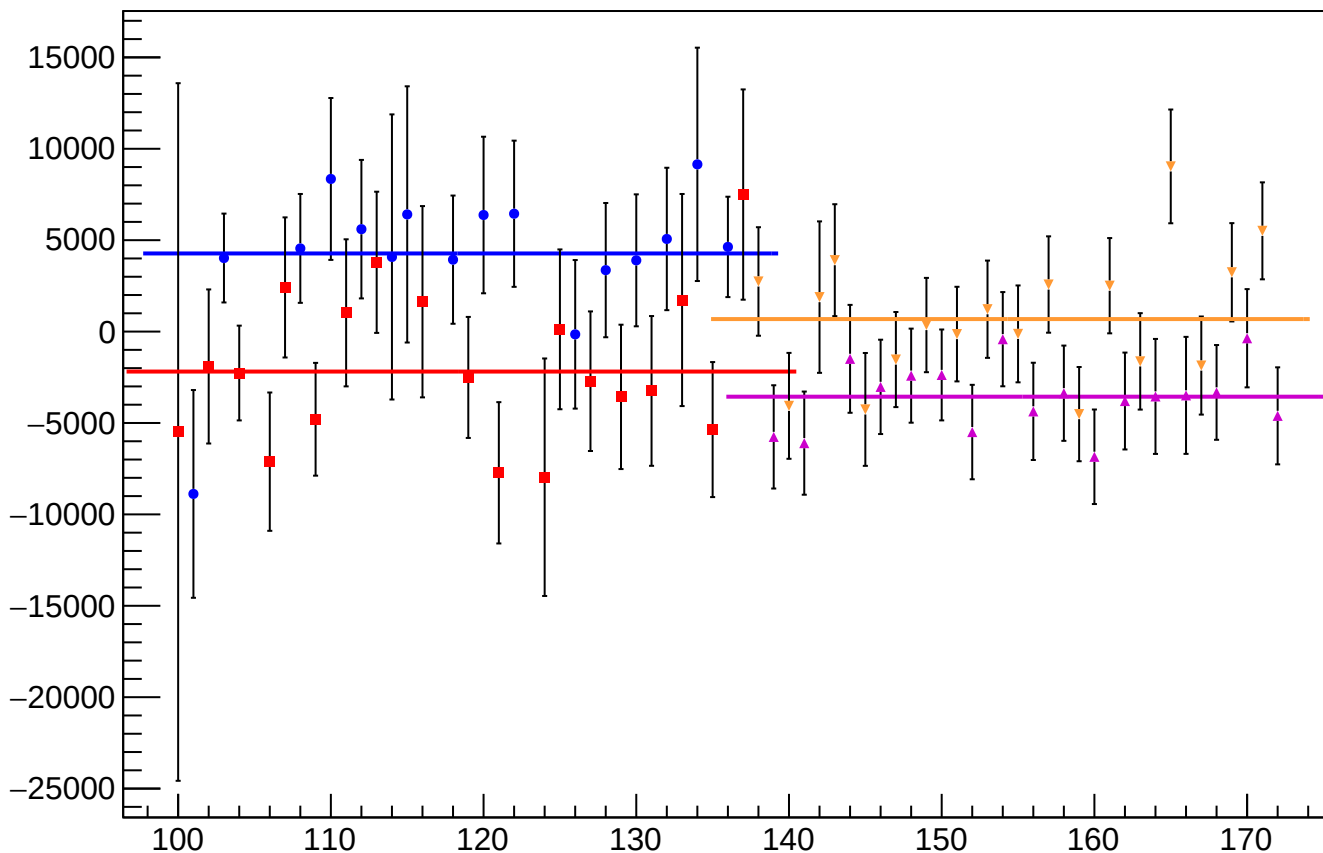
Left In: 8524.419+/-1.645 χ^2/NDF : 1028411.4/16

+ sign 8301.542+/-1.301 χ^2/NDF : 1719111.7/33

All: 8211.166+/-0.913 χ^2/NDF : 4044062.8/69

- sign 8123.365+/-1.282 χ^2/NDF : 2315430.1/35

eigen_cor_asym_atr2_mean vs Slug



Right In: 4273.903 $\pm$ 951.956 χ^2 /NDF: 8.9/15

Left Out: 684.193 $\pm$ 653.462 χ^2 /NDF: 26.1/17

Right Out: -2186.887 $\pm$ 922.111 χ^2 /NDF: 14.8/18

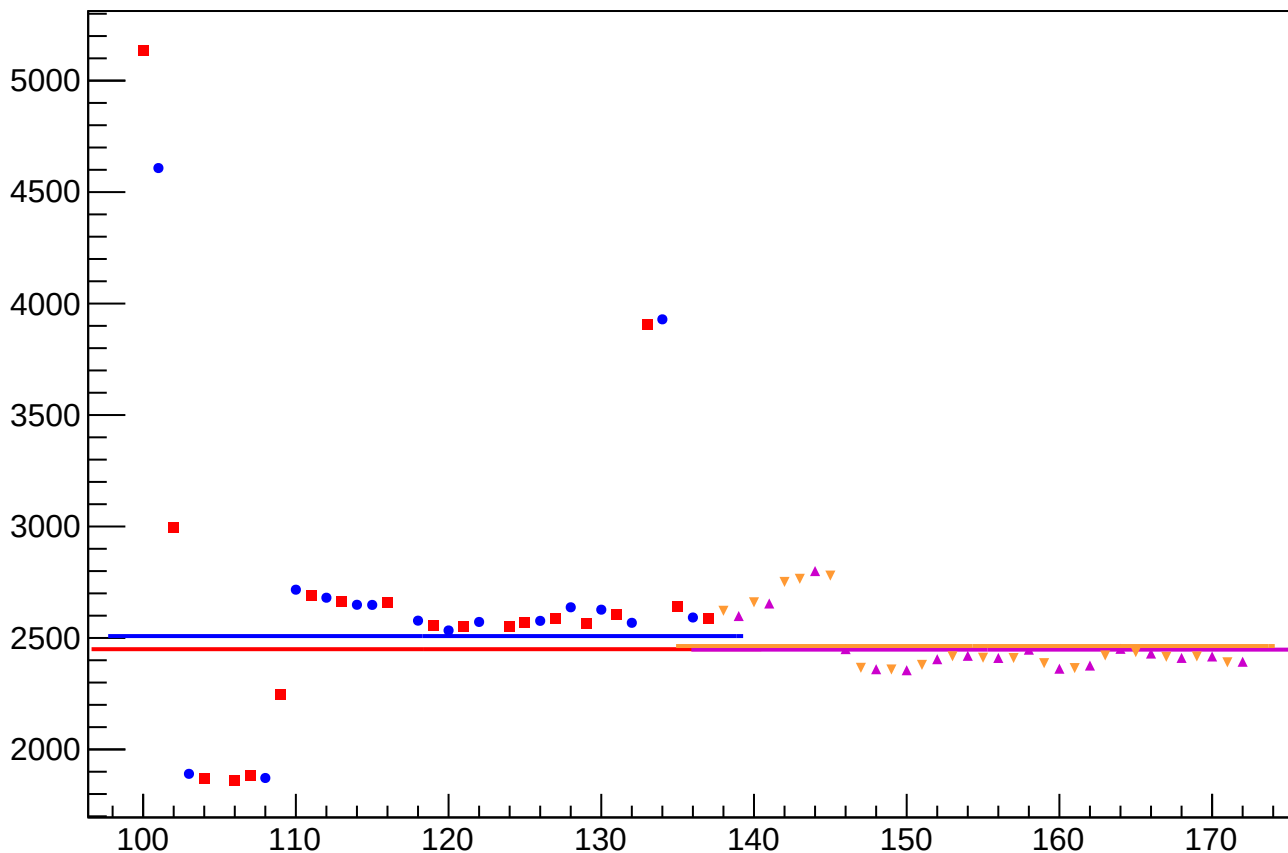
Left In: -3561.601 $\pm$ 654.023 χ^2 /NDF: 7.7/16

+ sign 1833.918 $\pm$ 538.746 χ^2 /NDF: 44.6/33

All: -658.105 $\pm$ 379.070 χ^2 /NDF: 111.0/69

- sign -3101.497 $\pm$ 533.464 χ^2 /NDF: 24.0/35

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

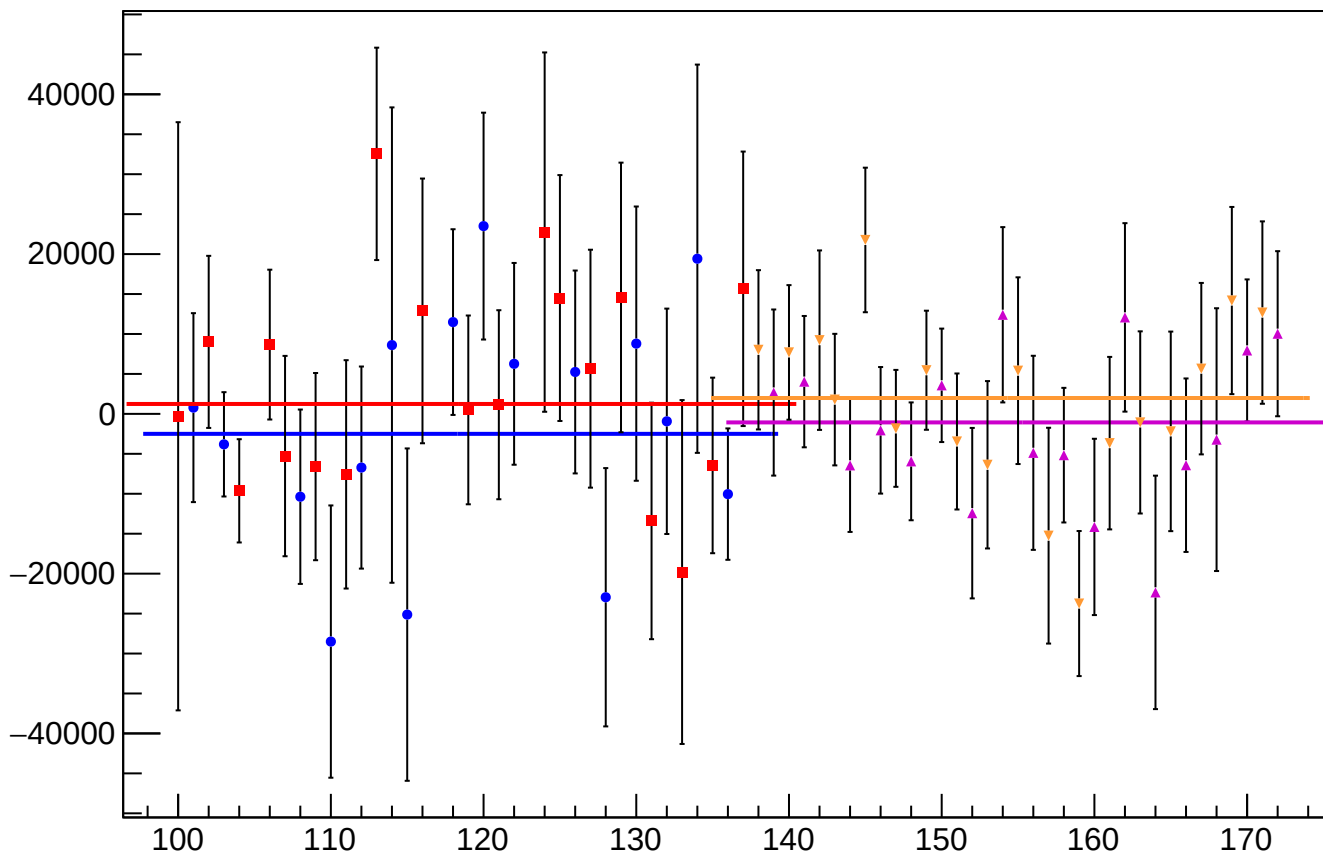
Left In: 2447.661+/-0.462 χ^2/NDF : 56450.4/16

+ sign 2478.127+/-0.381 χ^2/NDF : 698010.1/33

All: 2463.080+/-0.268 χ^2/NDF : 1194403.3/69

- sign 2448.326+/-0.377 χ^2/NDF : 493303.2/35

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2500.380 $\pm$ 3075.668 χ^2/NDF : 13.8/15

Left Out: 1986.422 $\pm$ 2294.664 χ^2/NDF : 19.8/17

Right Out: 1239.896 $\pm$ 2893.464 χ^2/NDF : 16.6/18

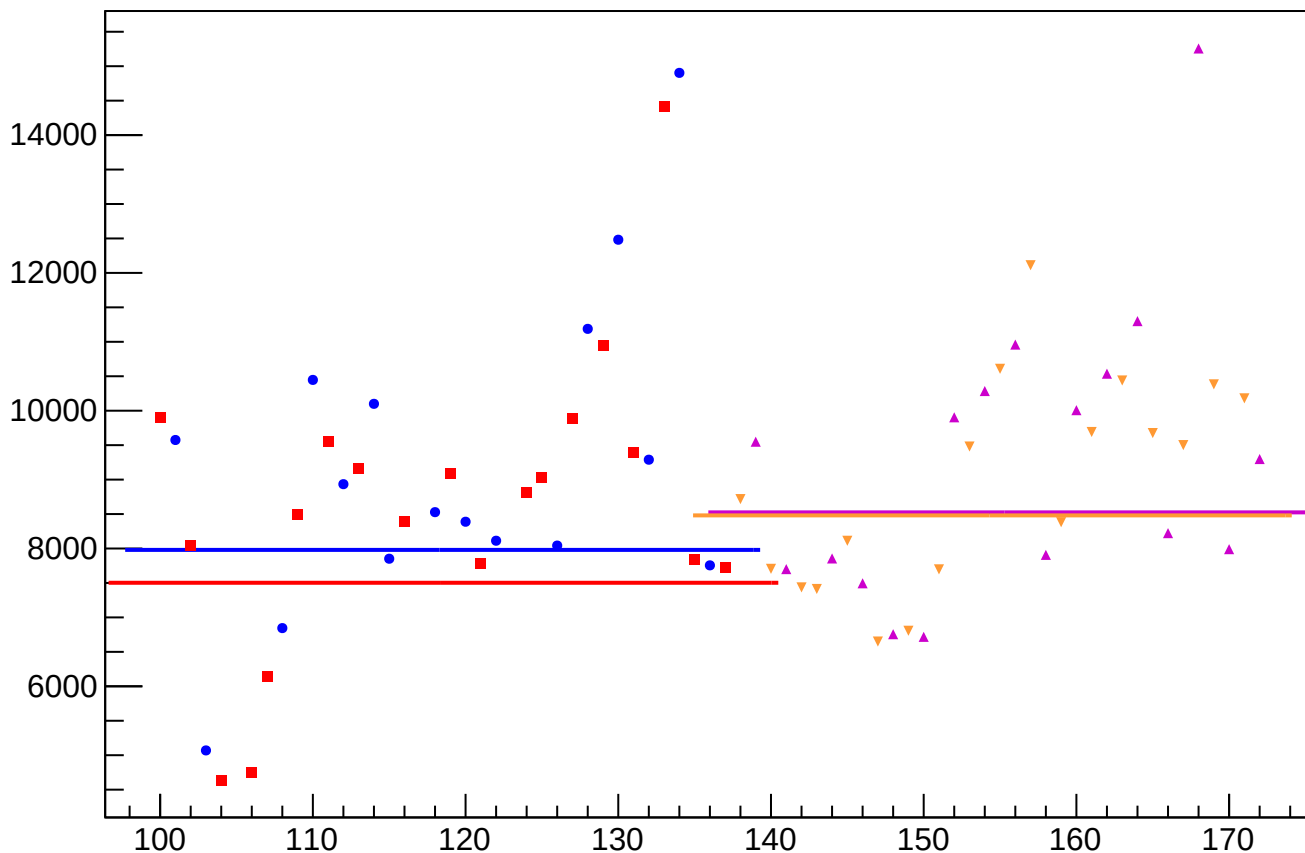
Left In: -1069.422 $\pm$ 2325.873 χ^2/NDF : 12.0/16

+ sign 382.019 $\pm$ 1839.195 χ^2/NDF : 35.0/33

All: 105.591 $\pm$ 1291.075 χ^2/NDF : 64.0/69

- sign -162.961 $\pm$ 1812.804 χ^2/NDF : 29.0/35

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 7979.812 $\pm$ 2.175 χ^2 /NDF: 922785.4/15

Left Out: 8480.624 $\pm$ 1.623 χ^2 /NDF: 762260.5/17

Right Out: 7502.685 $\pm$ 2.046 χ^2 /NDF: 1135523.5/18

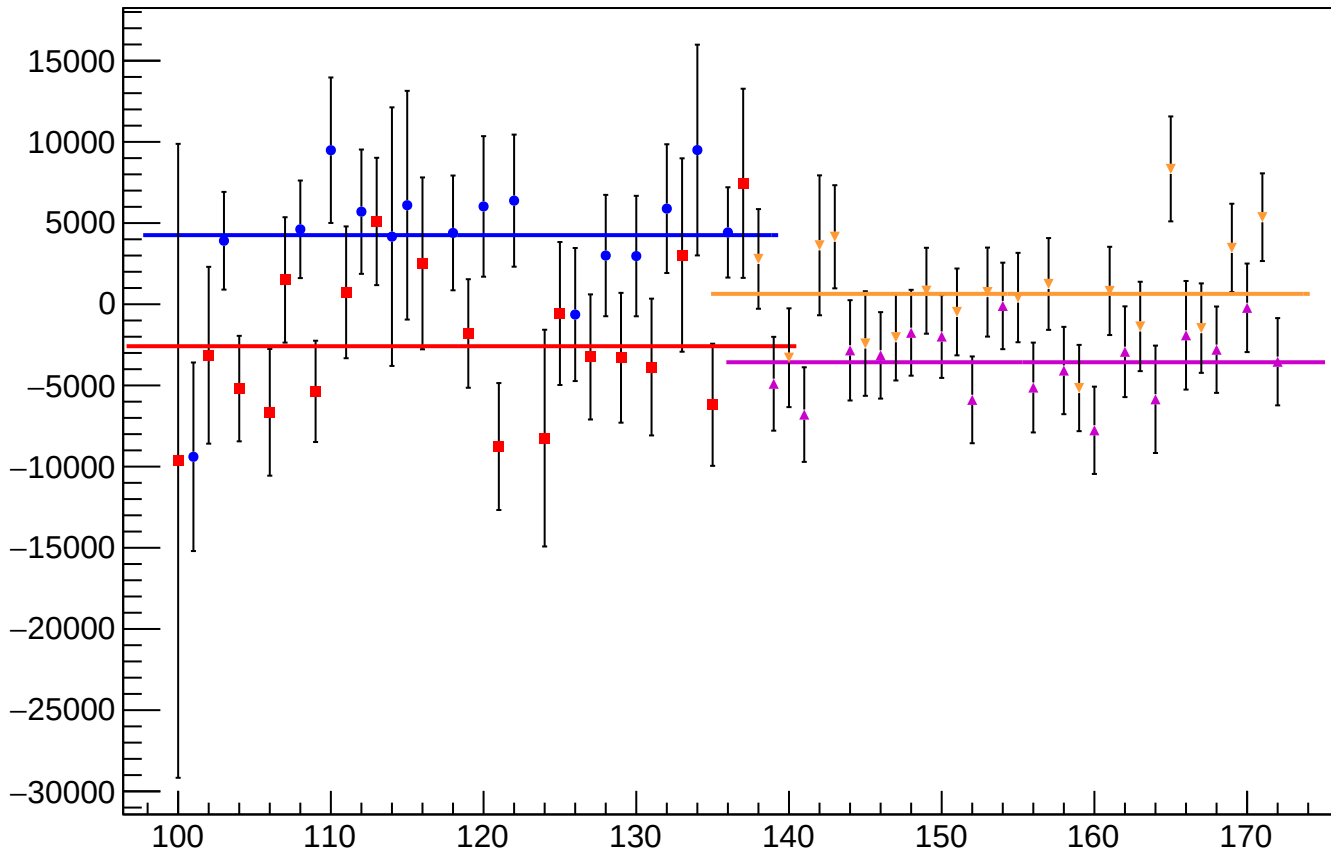
Left In: 8524.419 $\pm$ 1.645 χ^2 /NDF: 1028411.4/16

+ sign 8301.542 $\pm$ 1.301 χ^2 /NDF: 1719111.7/33

All: 8211.166 $\pm$ 0.913 χ^2 /NDF: 4044062.8/69

- sign 8123.365 $\pm$ 1.282 χ^2 /NDF: 2315430.1/35

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

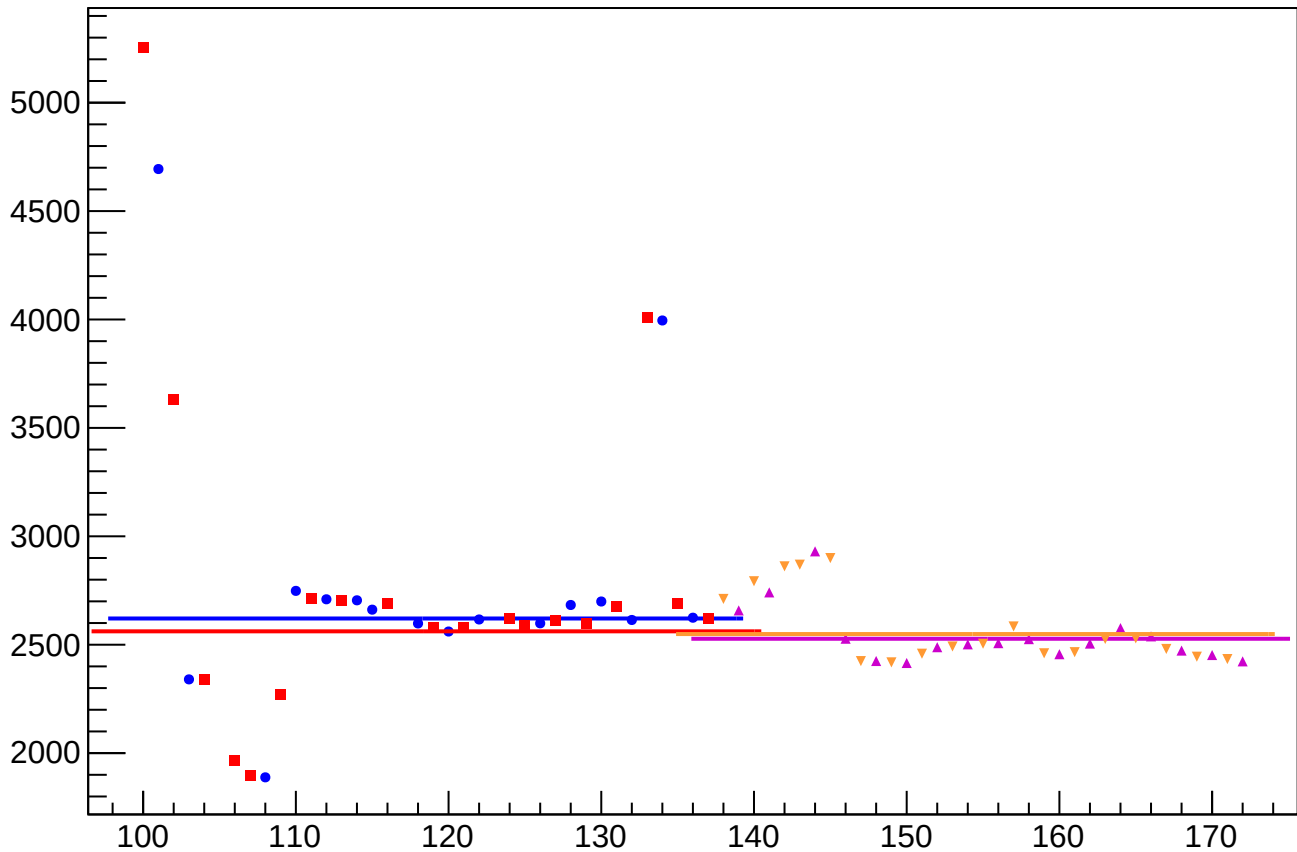
Left In: -3571.951 ± 675.490 χ^2/NDF : 10.0/16

+ sign 1790.627 ± 558.561 χ^2/NDF : 40.8/33

All: -751.117 ± 393.190 χ^2/NDF : 110.2/69

- sign -3247.761 ± 553.583 χ^2/NDF : 28.3/35

dit_asym_atr2_rms vs Slug



Right In: 2620.964 $\pm$ 0.700 χ^2 /NDF: 485914.1/15

Left Out: 2549.188 $\pm$ 0.478 χ^2 /NDF: 98327.5/17

Right Out: 2561.718 $\pm$ 0.683 χ^2 /NDF: 378259.5/18

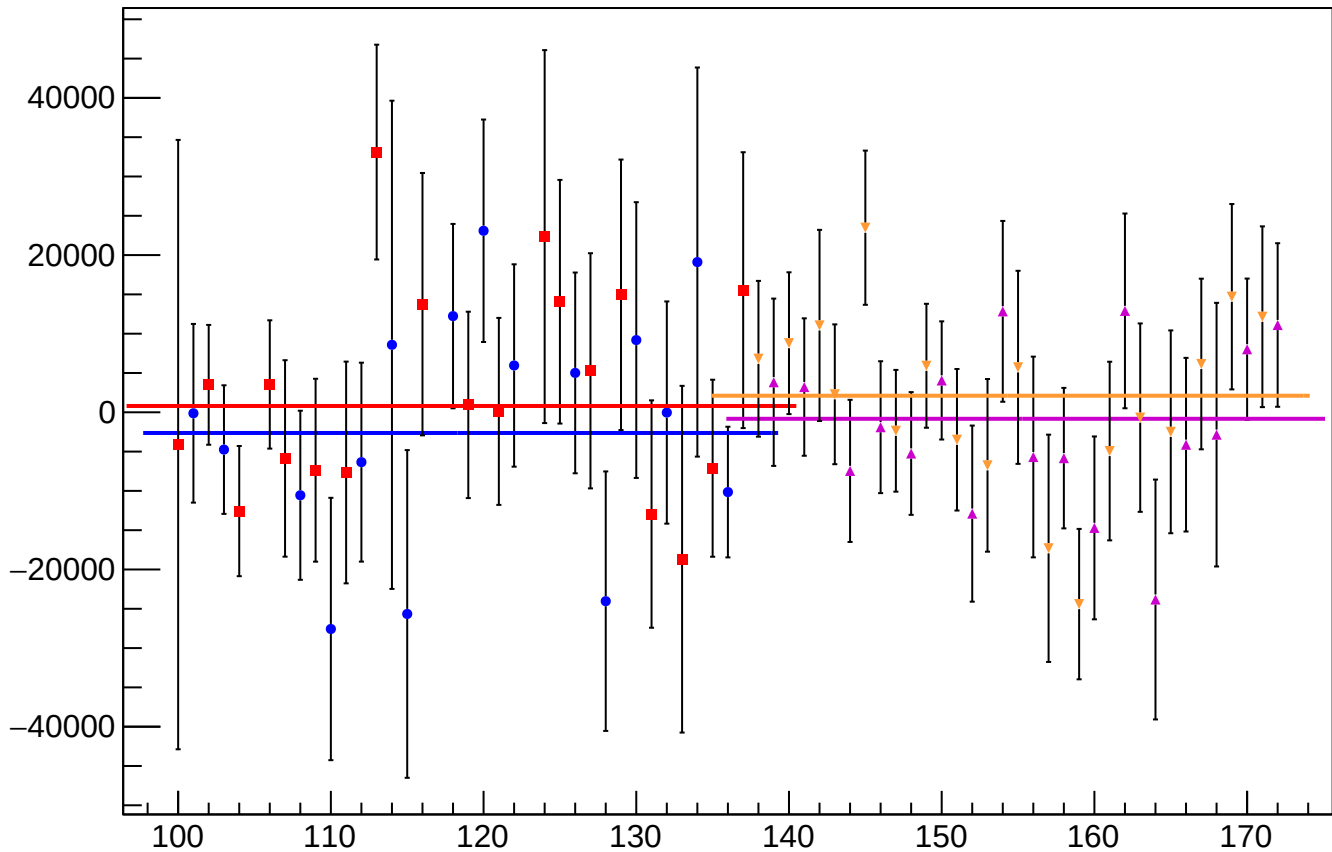
Left In: 2527.432 $\pm$ 0.478 χ^2 /NDF: 63869.5/16

+ sign 2572.011 $\pm$ 0.395 χ^2 /NDF: 591403.7/33

All: 2555.203 $\pm$ 0.278 χ^2 /NDF: 1038815.2/69

- sign 2538.700 $\pm$ 0.391 χ^2 /NDF: 443822.3/35

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

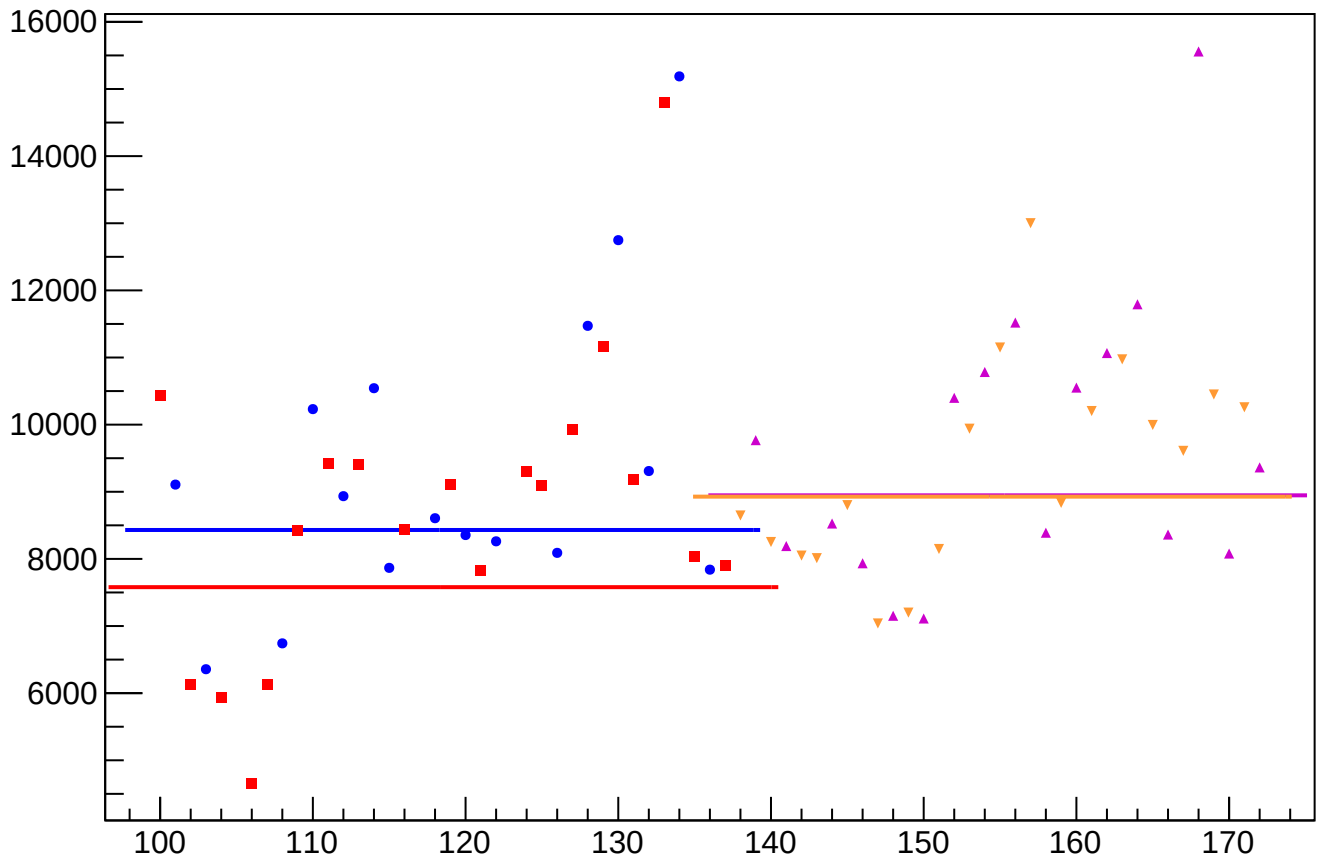
Left In: -827.525 ± 2438.416 χ^2/NDF : 12.0/16

+ sign 399.171 ± 1928.429 χ^2/NDF : 35.0/33

All: 117.217 ± 1338.409 χ^2/NDF : 62.7/69

- sign -144.818 ± 1859.067 χ^2/NDF : 27.6/35

asym_atr2_dit_correction_rms vs Slug



Right In: 8430.768 ± 2.271 $\chi^2/\text{NDF}: 580295.1/15$

Left Out: 8927.570 ± 1.705 $\chi^2/\text{NDF}: 681314.1/17$

Right Out: 7579.112 ± 2.031 $\chi^2/\text{NDF}: 974126.9/18$

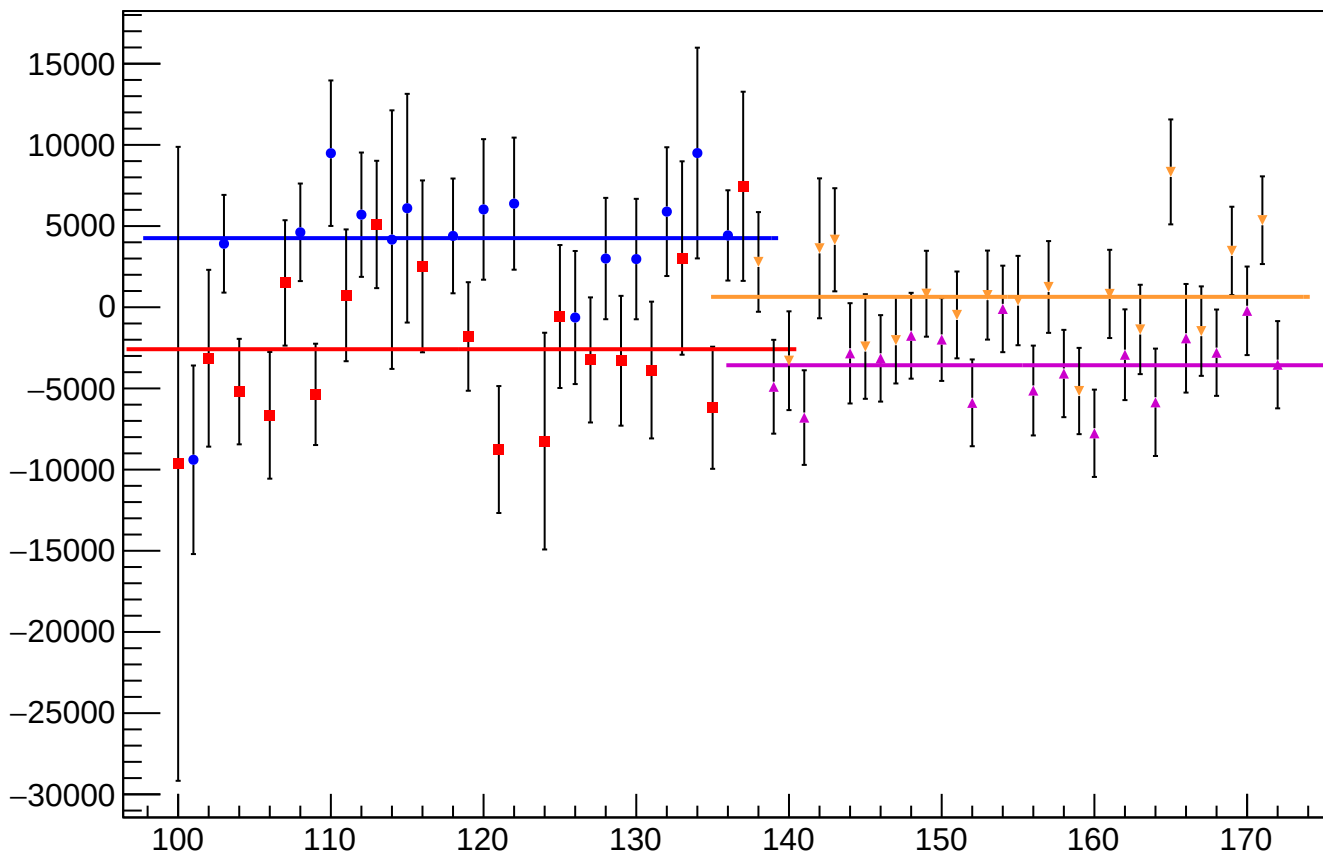
Left In: 8946.959 ± 1.724 $\chi^2/\text{NDF}: 963088.8/16$

+ sign 8748.438 ± 1.364 $\chi^2/\text{NDF}: 1292212.8/33$

All: 8554.465 ± 0.946 $\chi^2/\text{NDF}: 3531998.3/69$

- sign 8374.194 ± 1.315 $\chi^2/\text{NDF}: 2200744.6/35$

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

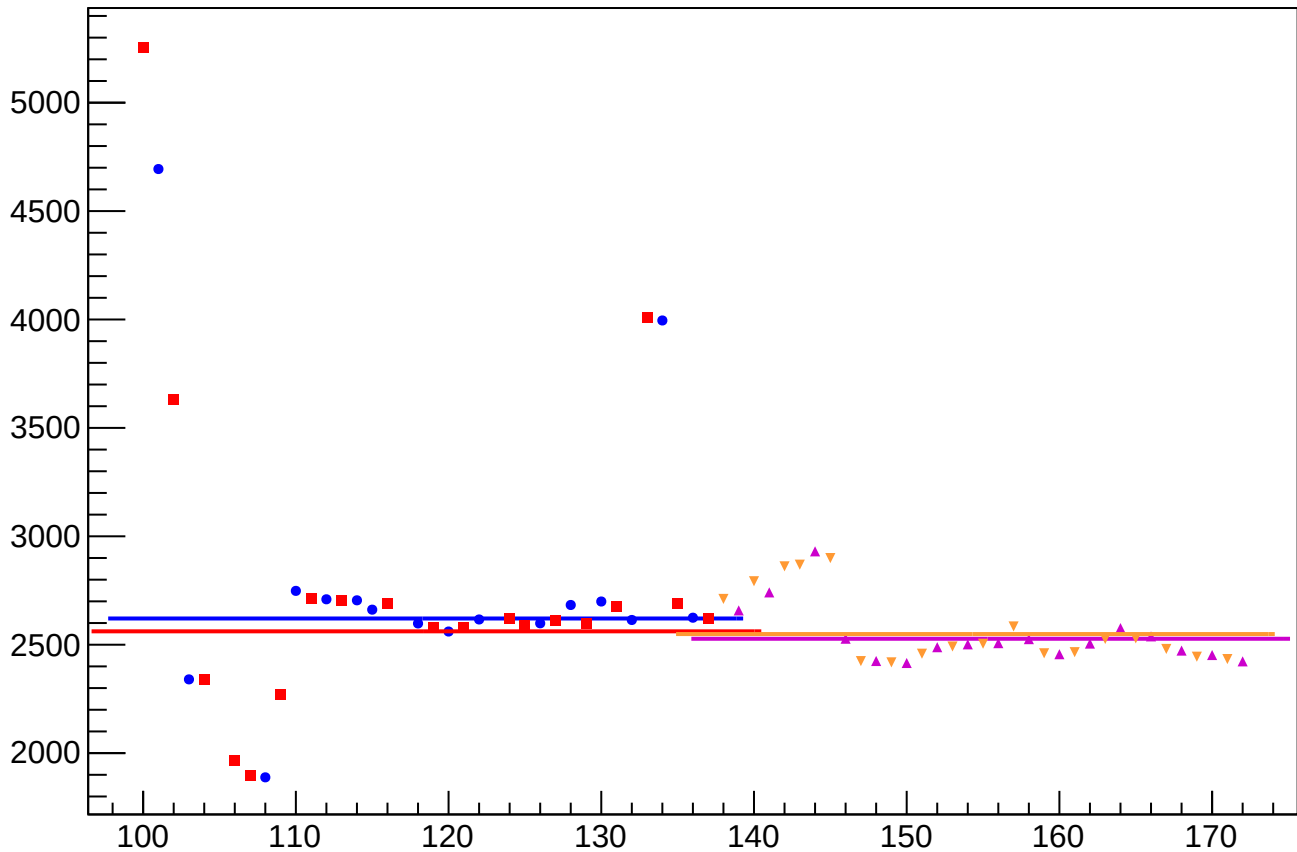
Left In: -3571.956 ± 675.490 χ^2/NDF : 10.0/16

+ sign 1790.623 ± 558.561 χ^2/NDF : 40.8/33

All: -751.122 ± 393.191 χ^2/NDF : 110.2/69

- sign -3247.767 ± 553.583 χ^2/NDF : 28.3/35

eigen_dit_asym_atr2_rms vs Slug



Right In: 2620.963 ± 0.700 $\chi^2/\text{NDF}: 485914.3/15$

Left Out: 2549.190 ± 0.478 $\chi^2/\text{NDF}: 98327.6/17$

Right Out: 2561.718 ± 0.683 $\chi^2/\text{NDF}: 378258.9/18$

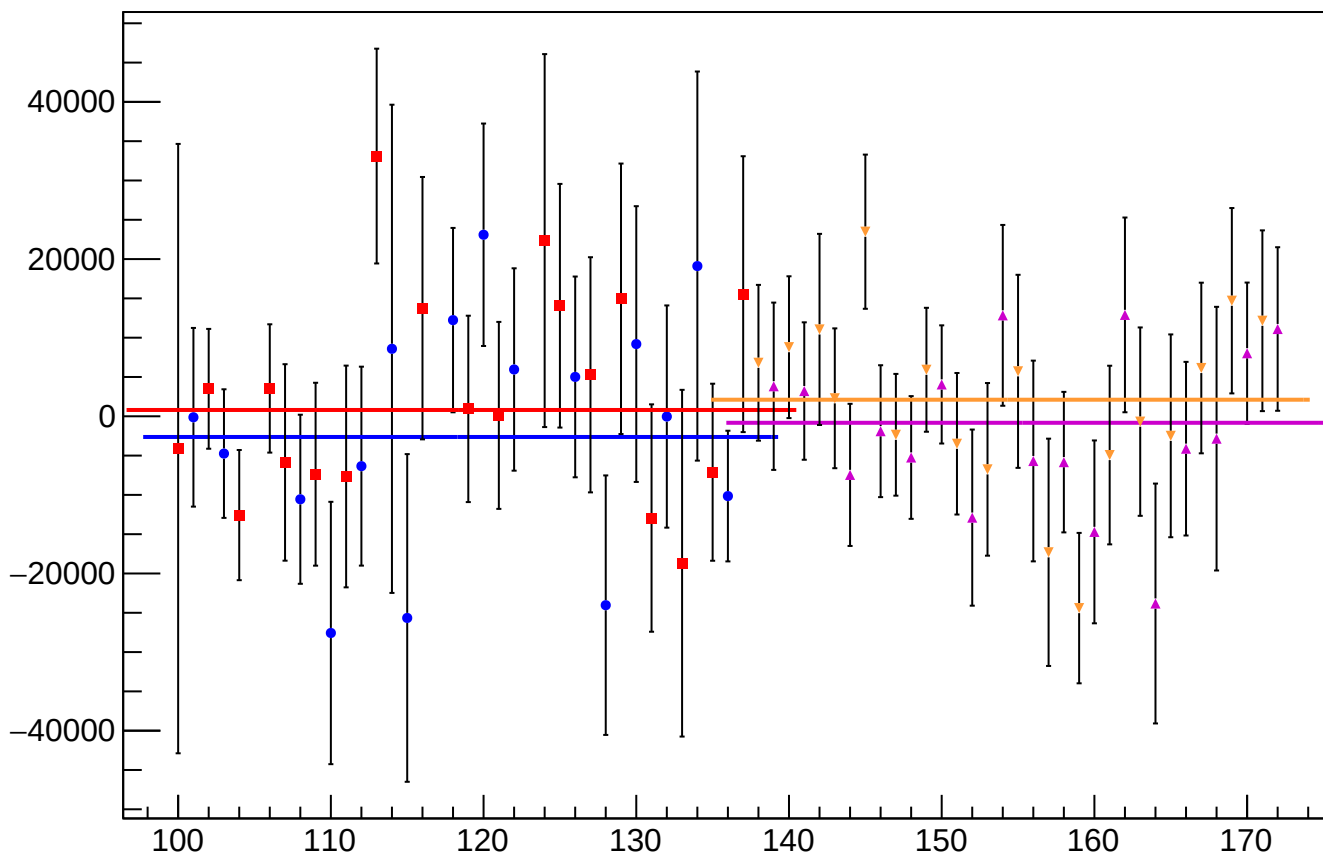
Left In: 2527.435 ± 0.478 $\chi^2/\text{NDF}: 63869.4/16$

+ sign 2572.012 ± 0.395 $\chi^2/\text{NDF}: 591403.5/33$

All: 2555.204 ± 0.278 $\chi^2/\text{NDF}: 1038813.9/69$

- sign 2538.701 ± 0.391 $\chi^2/\text{NDF}: 443821.4/35$

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2631.887 $\pm$ 3211.501 χ^2/NDF : 13.8/15

Left Out: 2108.380 $\pm$ 2411.615 χ^2/NDF : 19.8/17

Right Out: 802.875 $\pm$ 2872.930 χ^2/NDF : 15.4/18

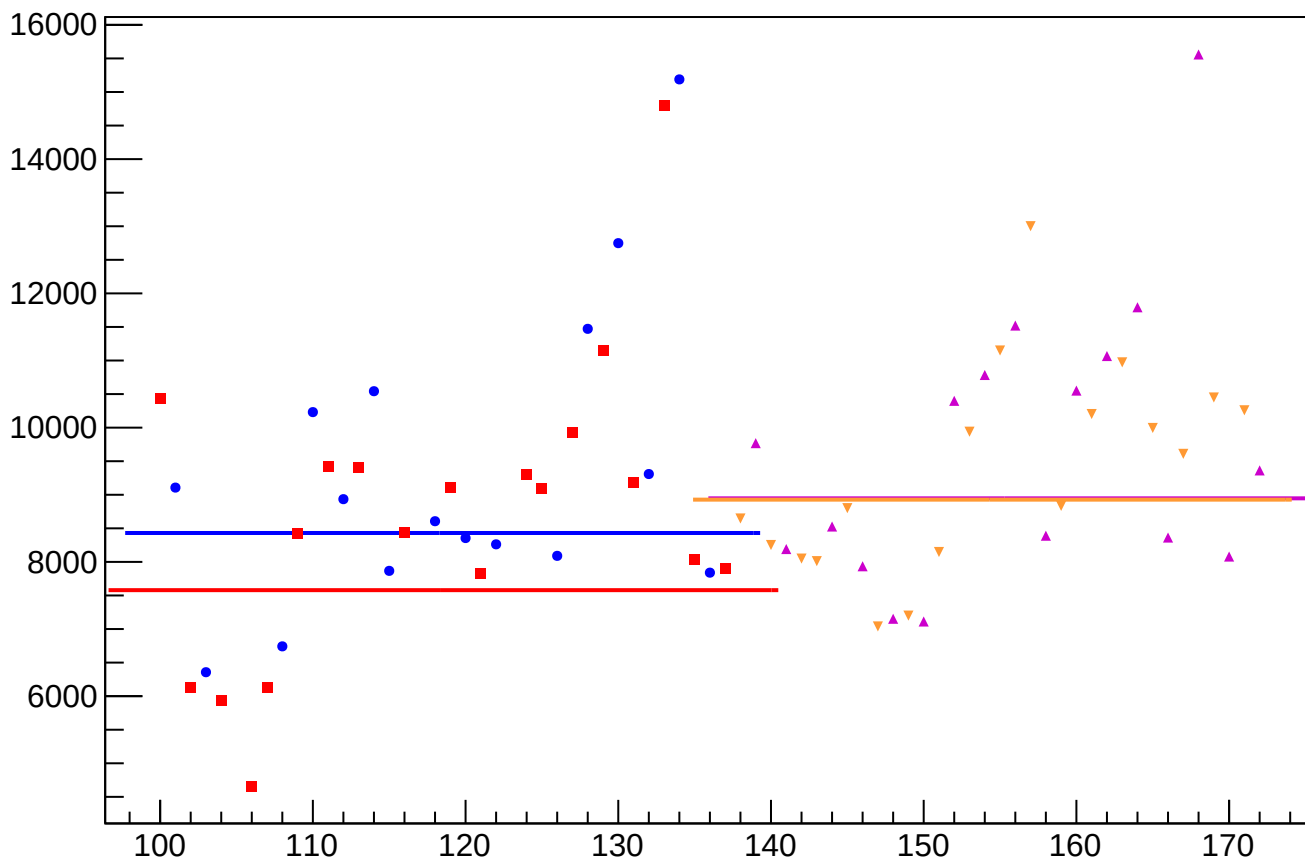
Left In: -827.521 $\pm$ 2438.420 χ^2/NDF : 12.0/16

+ sign 399.175 $\pm$ 1928.430 χ^2/NDF : 35.0/33

All: 117.221 $\pm$ 1338.409 χ^2/NDF : 62.7/69

- sign -144.815 $\pm$ 1859.068 χ^2/NDF : 27.6/35

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

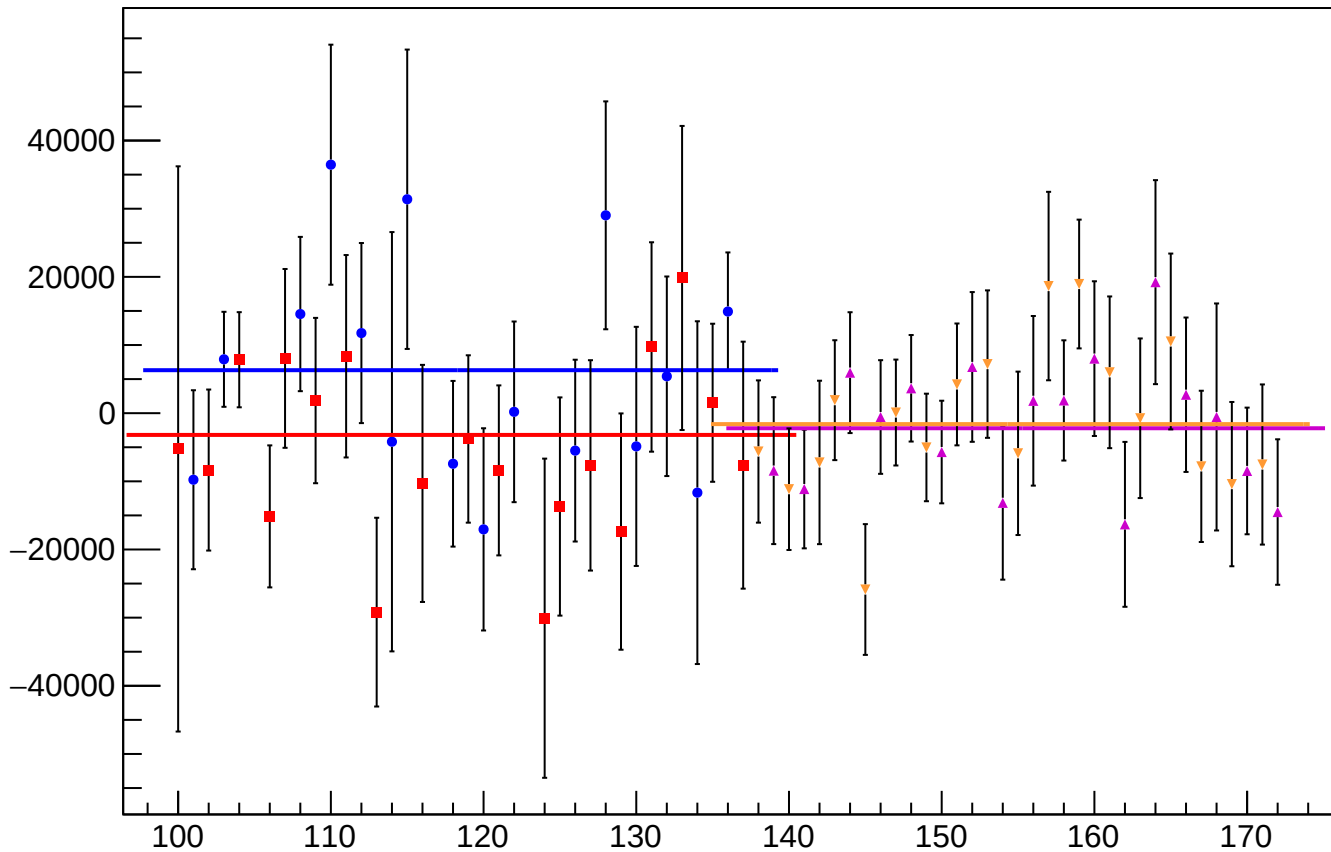
Left In: 8946.972+/-1.724 χ^2/NDF : 963089.8/16

+ sign 8748.443+/-1.364 χ^2/NDF : 1292210.0/33

All: 8554.467+/-0.946 χ^2/NDF : 3532003.2/69

- sign 8374.195+/-1.315 χ^2/NDF : 2200751.5/35

asym_atr2_mean vs Slug



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

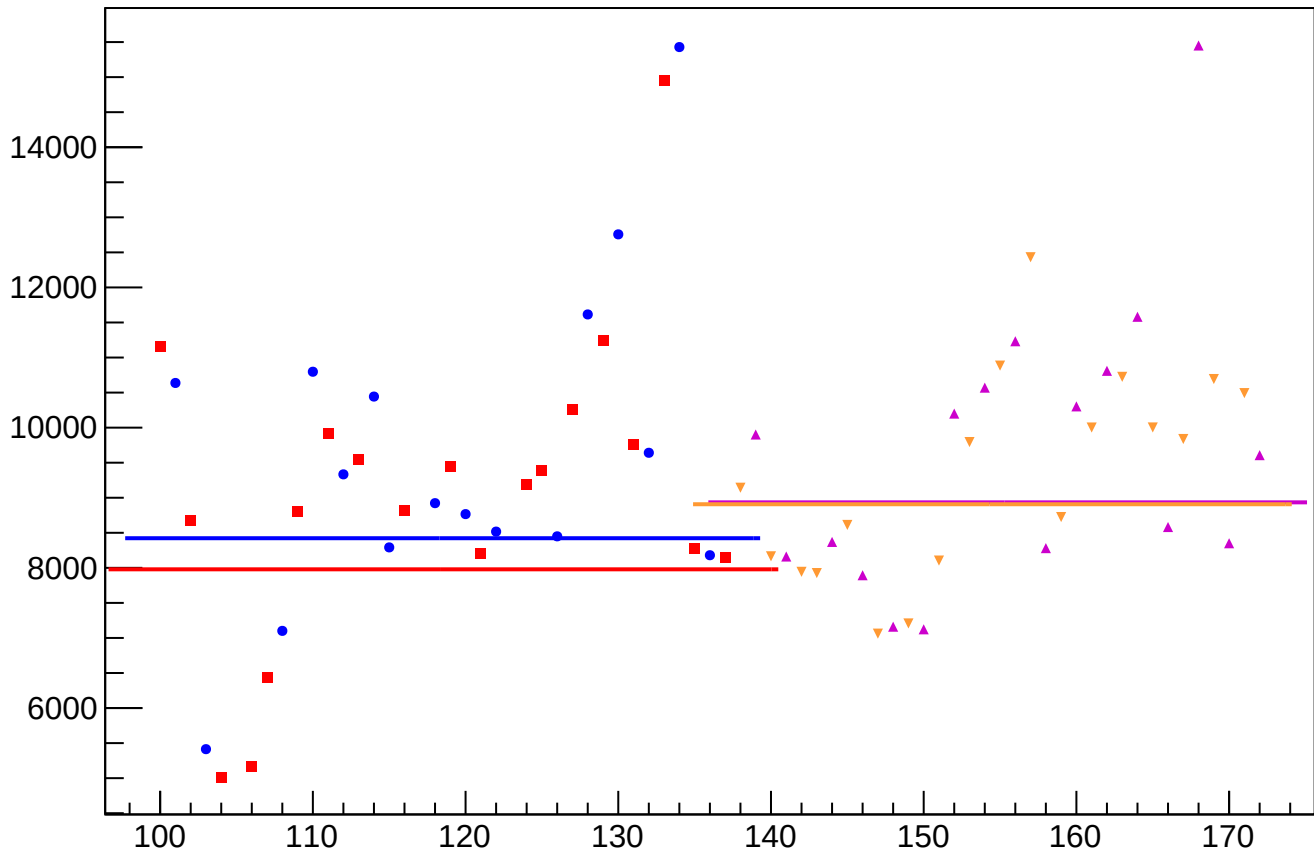
Left In: -2210.651+/-2430.893 χ^2/NDF : 11.2/16

+ sign 1203.047+/-1929.889 χ^2/NDF : 37.8/33

All: -716.626+/-1355.919 χ^2/NDF : 64.9/69

- sign -2588.014+/-1905.463 χ^2/NDF : 25.1/35

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

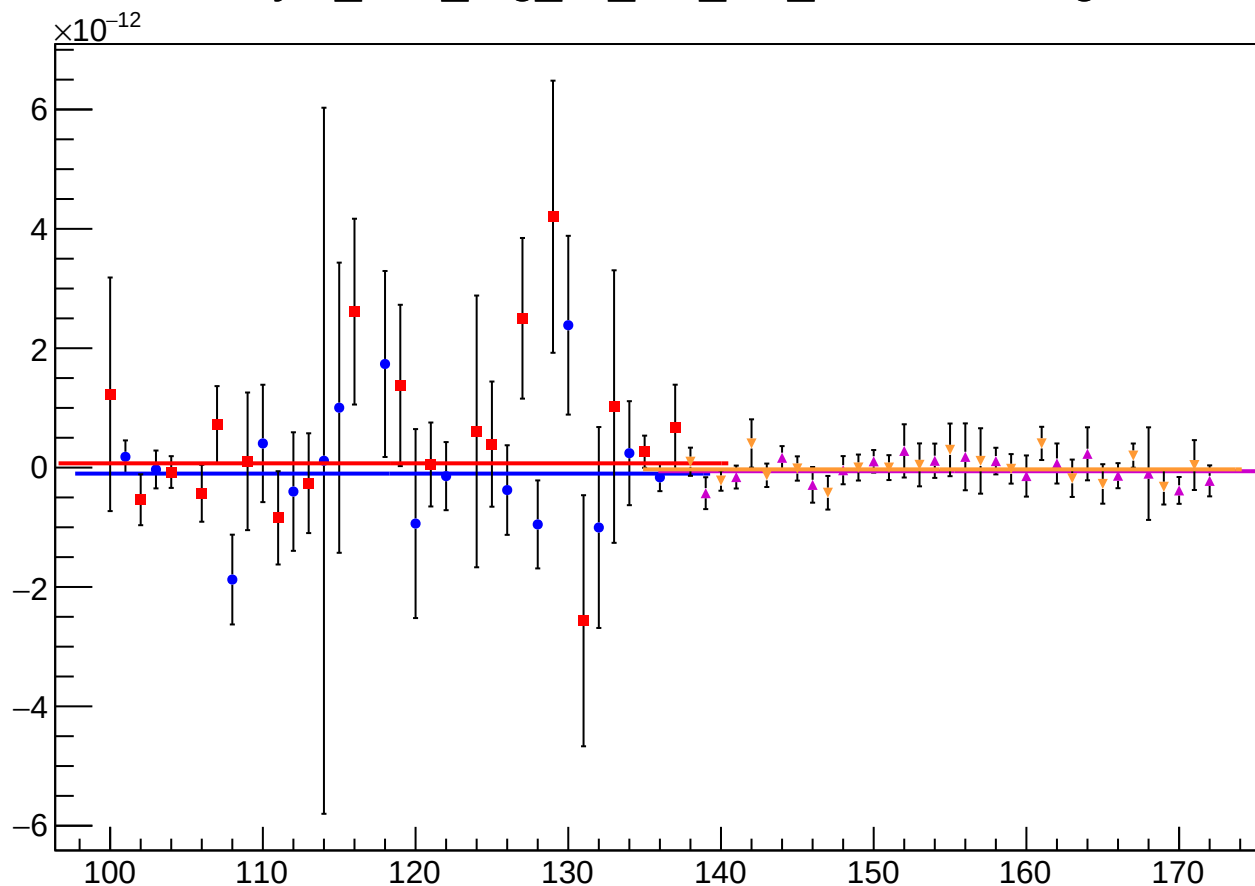
Left In: 8934.303+/-1.719 χ^2/NDF : 901583.8/16

+ sign 8735.386+/-1.365 χ^2/NDF : 1562140.3/33

All: 8649.590+/-0.959 χ^2/NDF : 3606646.3/69

- sign 8565.954+/-1.347 χ^2/NDF : 2036699.9/35

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

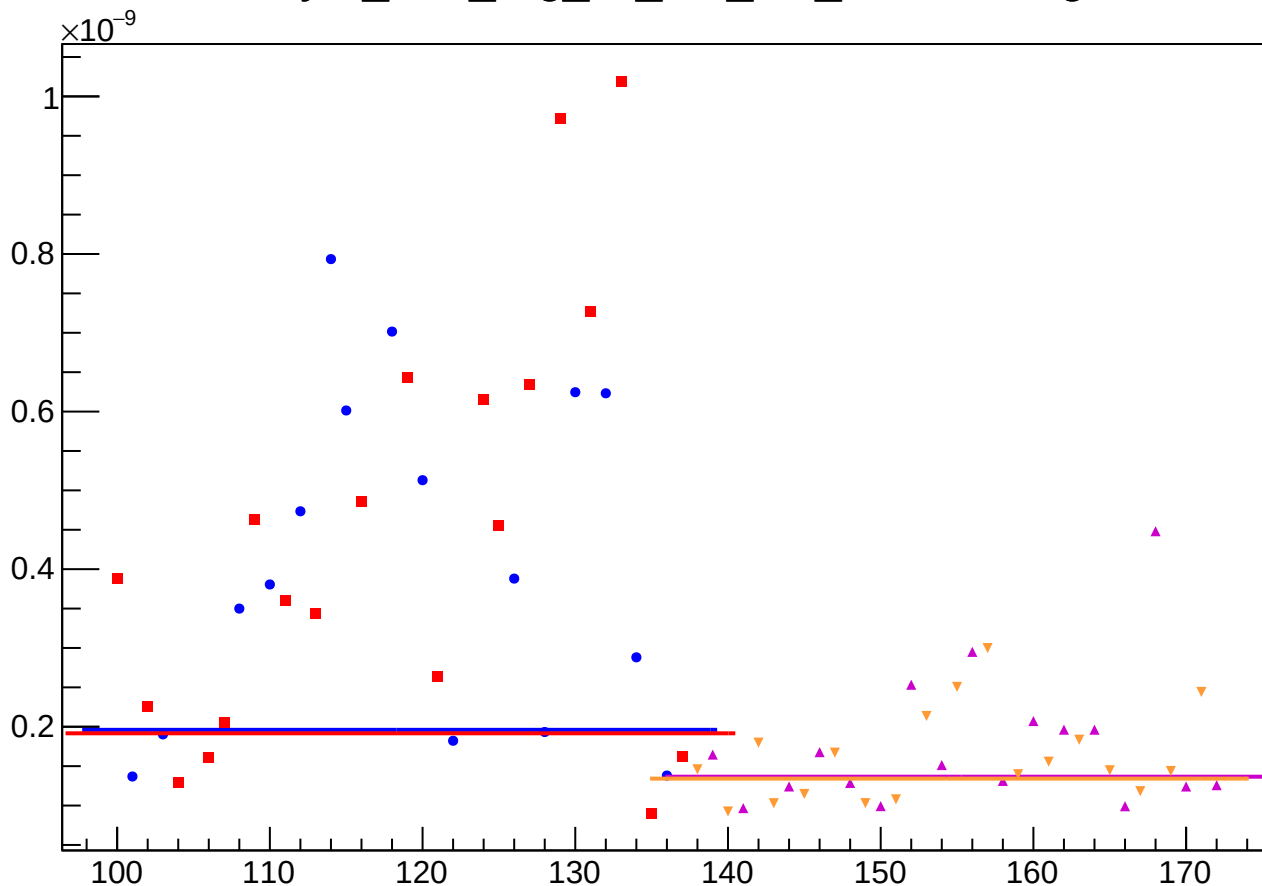
Left In: -0.000 ± 0.000 χ^2/NDF : 9.8/16

+ sign -0.000 ± 0.000 χ^2/NDF : 24.9/33

All: -0.000 ± 0.000 χ^2/NDF : 55.1/69

- sign -0.000 ± 0.000 χ^2/NDF : 30.1/35

asym_atr2_reg_vs_cor_diff_rms vs Slug



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

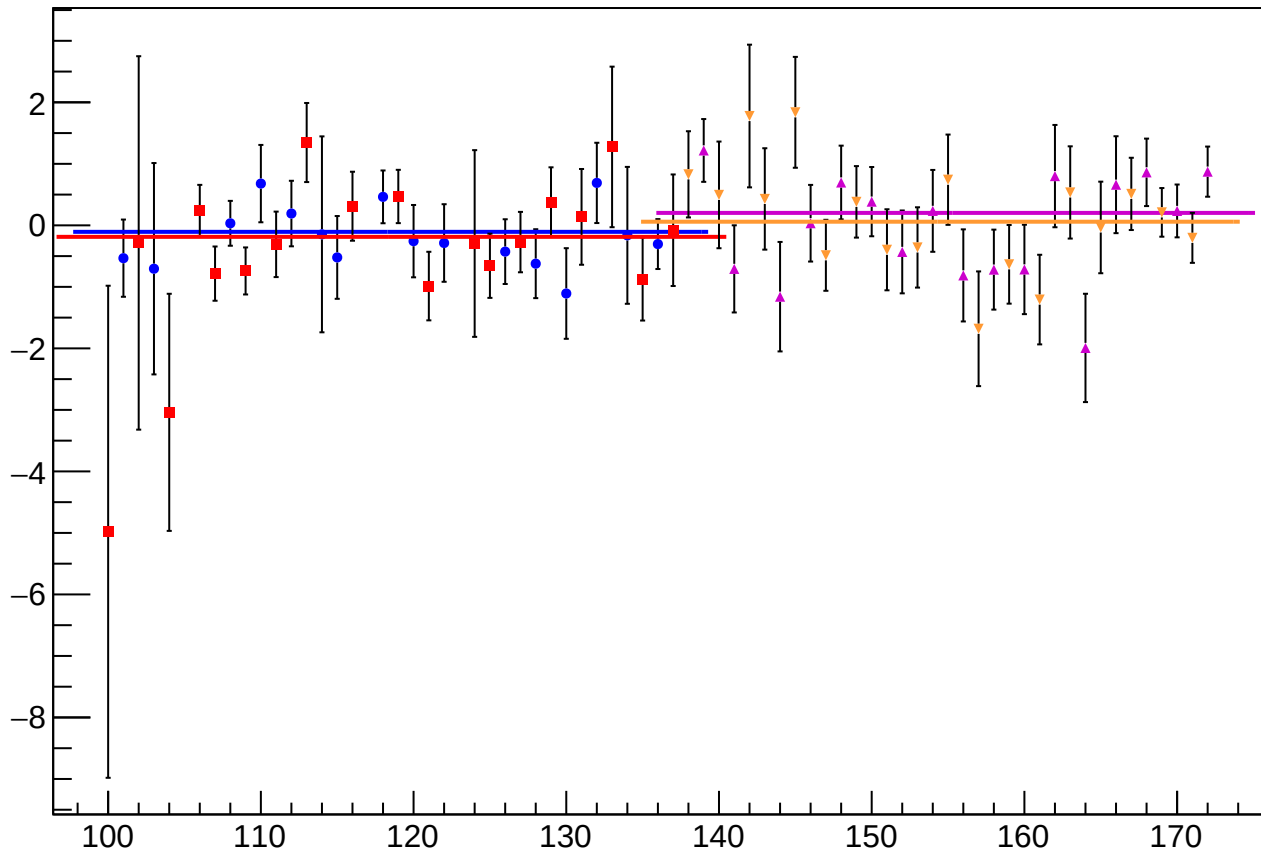
Left In: 0.000 +/- 0.000 χ^2/NDF : 1101188.7/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 2652982.5/33

All: 0.000 +/- 0.000 χ^2/NDF : 6079719.7/69

- sign 0.000 +/- 0.000 χ^2/NDF : 3426069.1/35

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

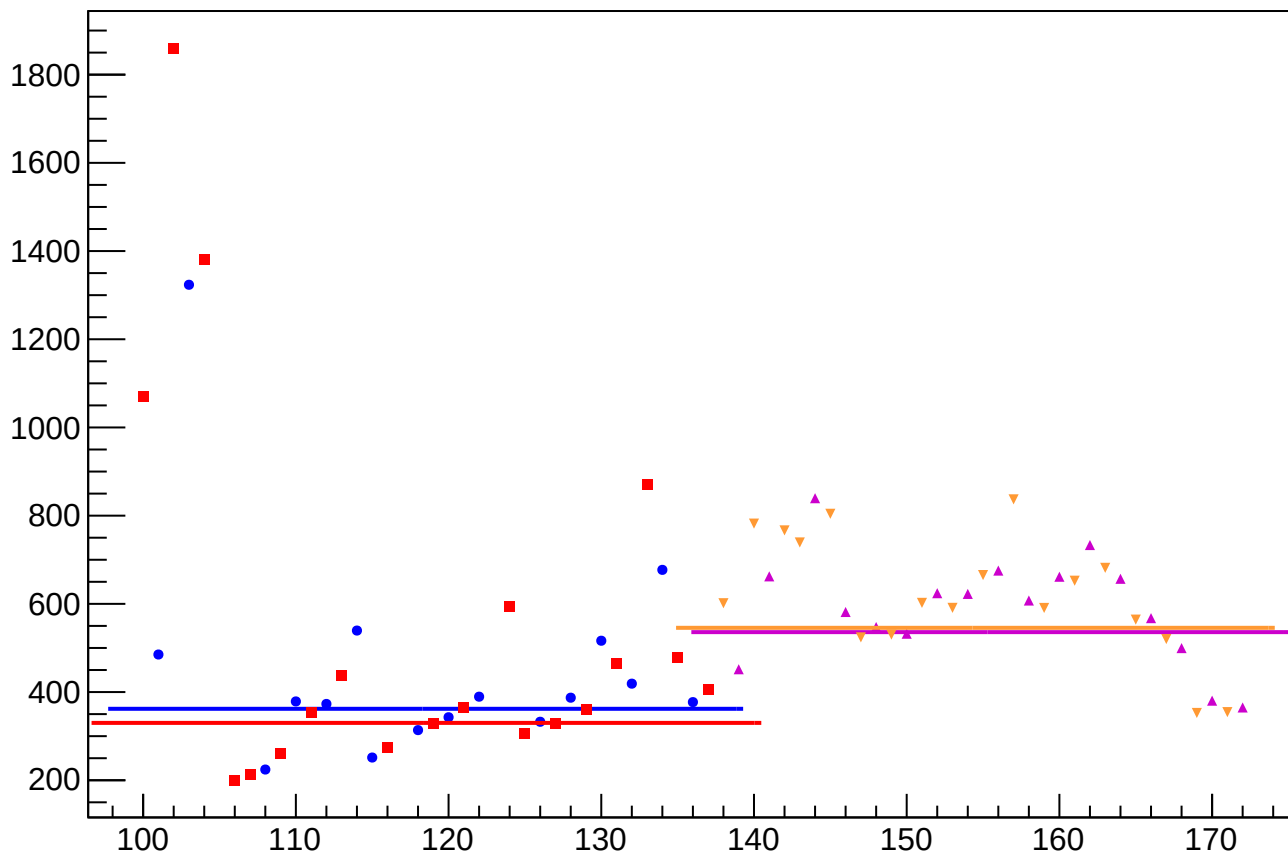
Left In: 0.202 ± 0.149 χ^2/NDF : 26.4/16

+ sign -0.027 ± 0.105 χ^2/NDF : 30.3/33

All: -0.017 ± 0.073 χ^2/NDF : 84.2/69

- sign -0.008 ± 0.101 χ^2/NDF : 53.9/35

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

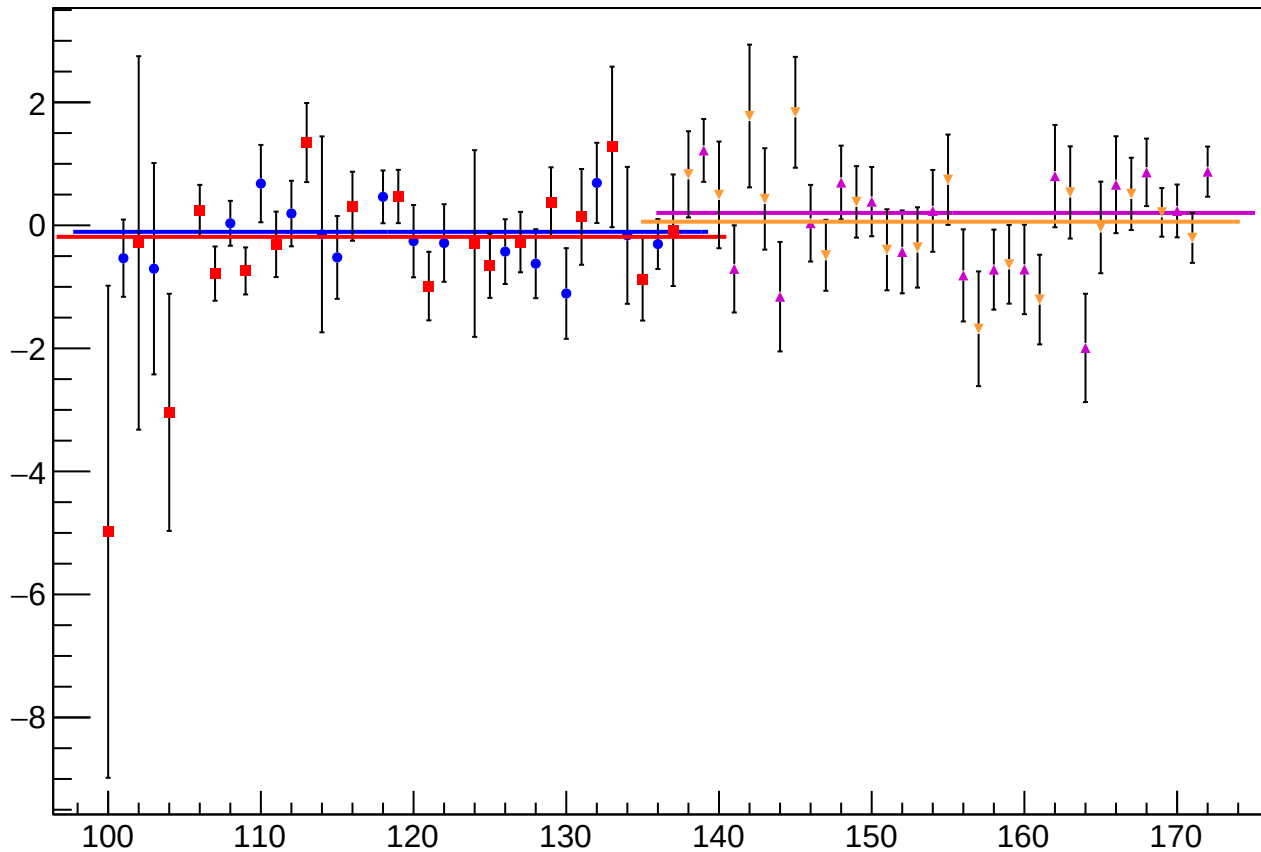
Left In: 535.889+/-0.105 χ^2/NDF :1360249.3/16

+ sign 449.766+/-0.074 χ^2/NDF : 4744827.9/33

All: 436.885+/-0.051 χ^2/NDF : 10476831.2/69

- sign 424.887+/-0.071 χ^2/NDF : 5673380.6/35

asym_atr2_dif_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

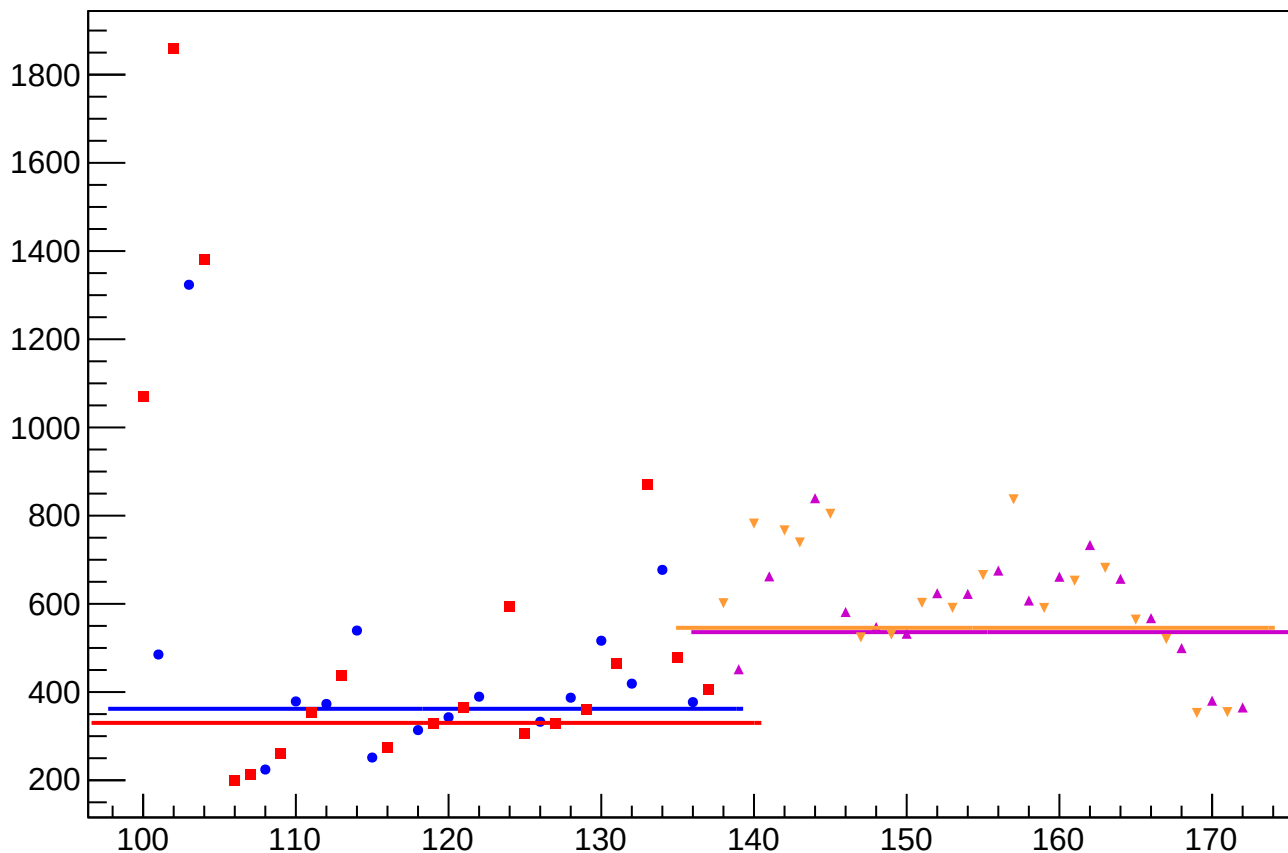
Left In: 0.202 ± 0.149 χ^2/NDF : 26.4/16

+ sign -0.027 ± 0.105 χ^2/NDF : 30.3/33

All: -0.017 ± 0.073 χ^2/NDF : 84.2/69

- sign -0.008 ± 0.101 χ^2/NDF : 53.9/35

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.037 $\pm$ 0.102 χ^2 /NDF: 1377330.2/15

Left Out: 545.682 $\pm$ 0.107 χ^2 /NDF:1828249.6/17

Right Out: 330.084 $\pm$ 0.097 χ^2 /NDF: 2246513.0/18

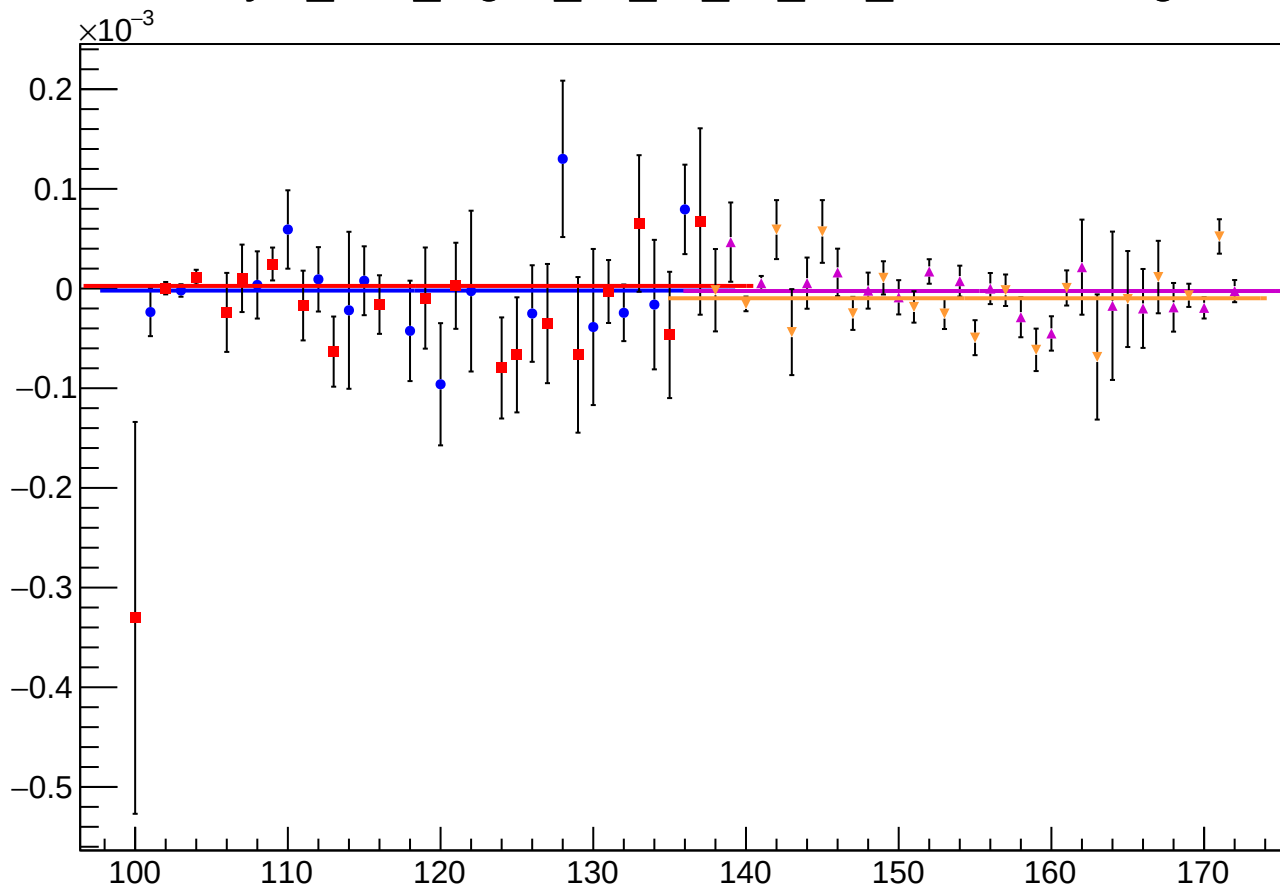
Left In: 535.889 $\pm$ 0.105 χ^2 /NDF:1360249.3/16

+ sign 449.766 $\pm$ 0.074 χ^2 /NDF: 4744827.9/33

All: 436.885 $\pm$ 0.051 χ^2 /NDF: 10476831.2/69

- sign 424.887 $\pm$ 0.071 χ^2 /NDF: 5673380.6/35

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF : 40.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 18.2/18

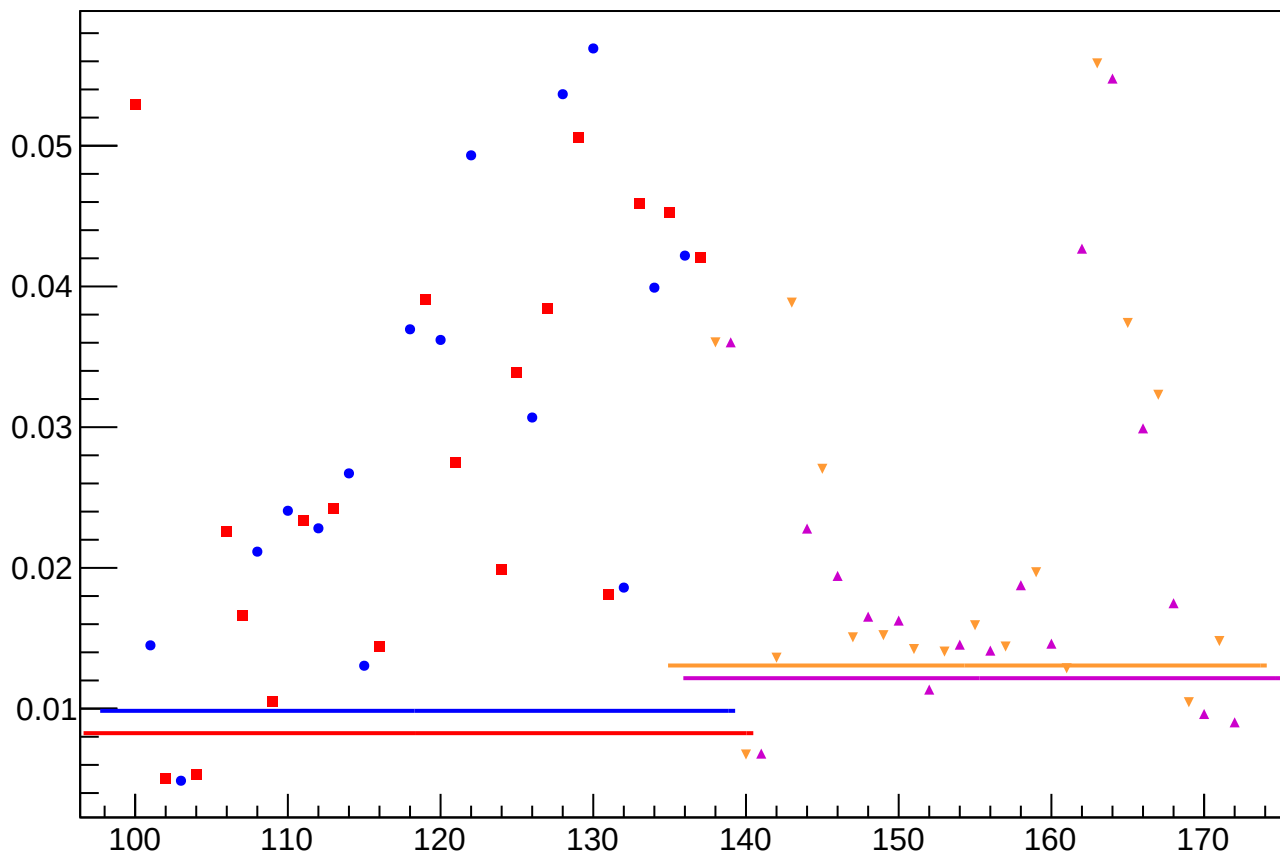
Left In: -0.000+/-0.000 χ^2/NDF : 17.7/16

+ sign -0.000+/-0.000 χ^2/NDF : 55.7/33

All: -0.000+/-0.000 χ^2/NDF : 95.0/69

- sign -0.000+/-0.000 χ^2/NDF : 36.8/35

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 7052383.3/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 5672823.2/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6740964.7/18

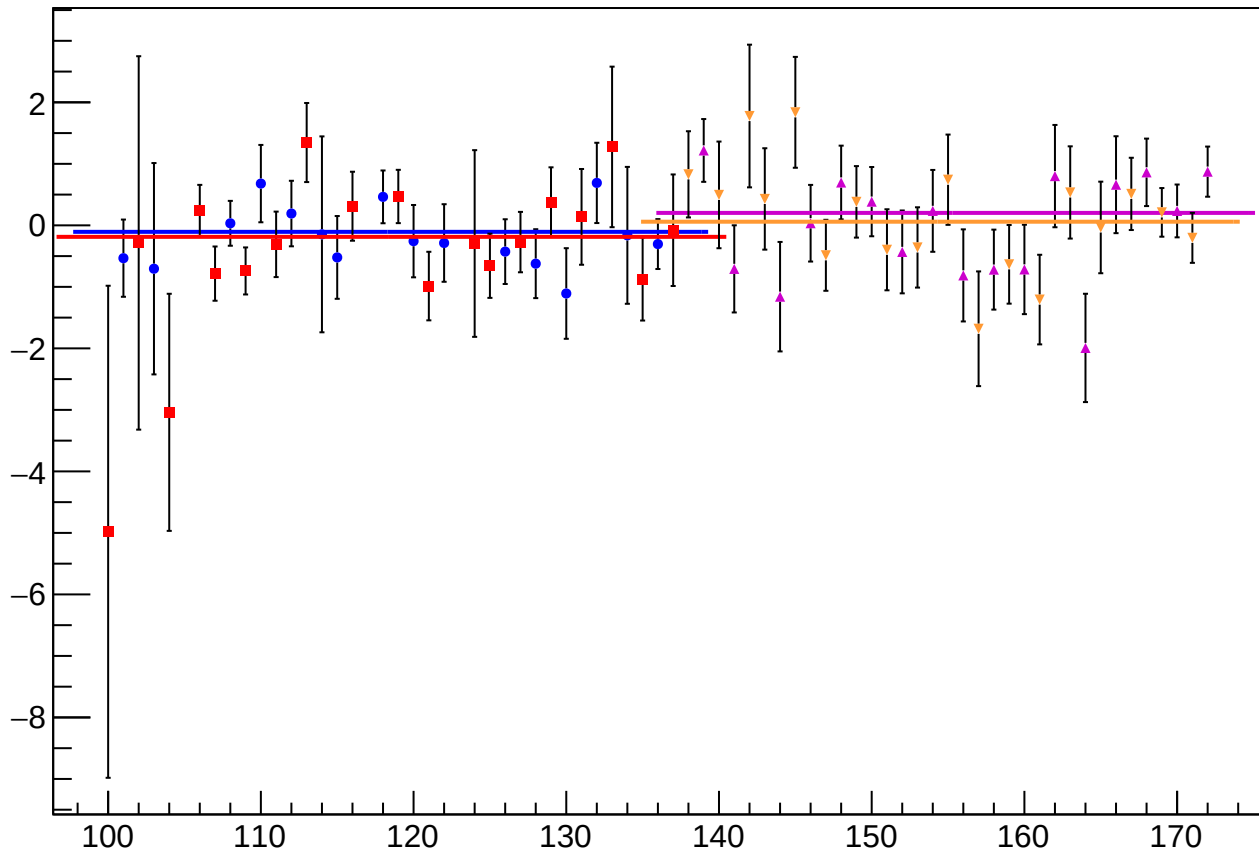
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 5163250.6/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 13182935.0/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 26279978.5/69

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 12853125.3/35

asym_atr2_eigen_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

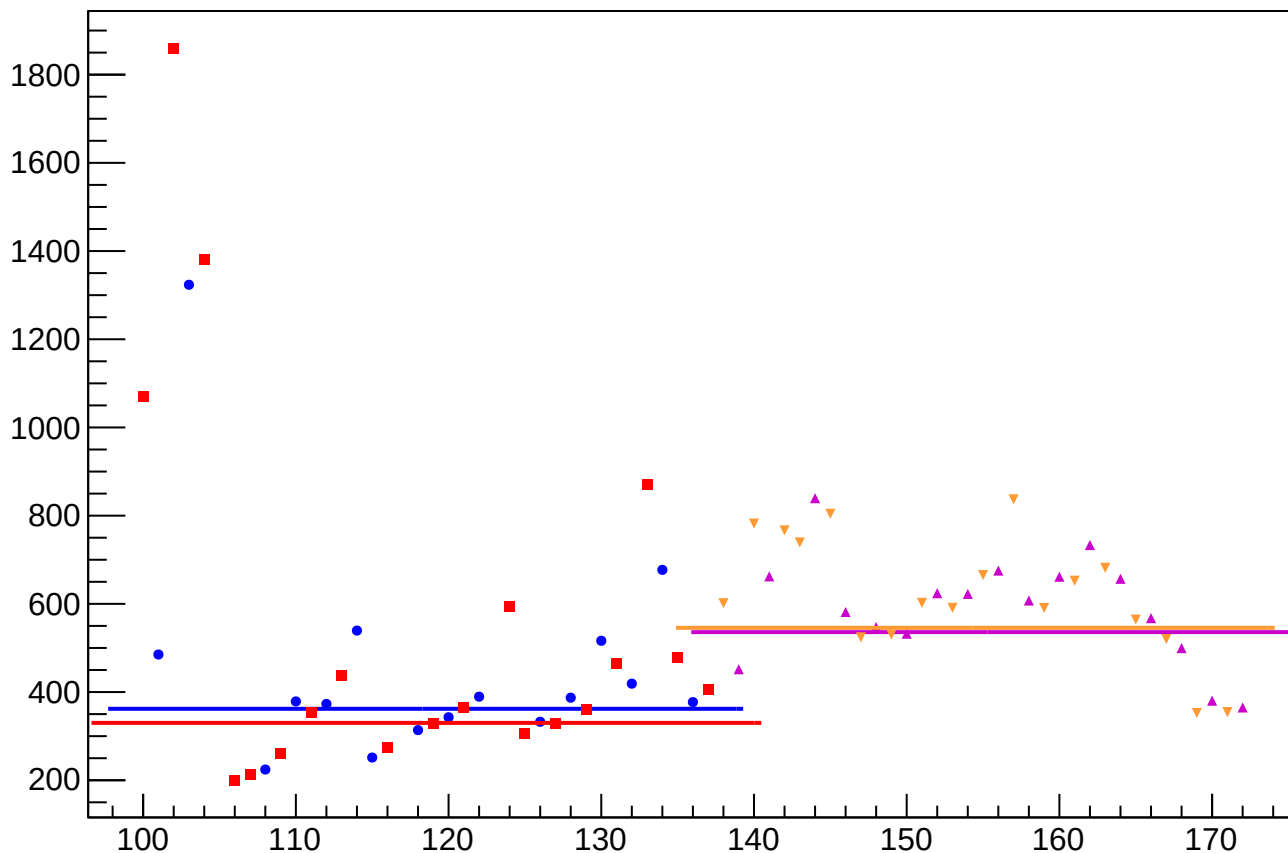
Left In: 0.202 ± 0.149 χ^2/NDF : 26.4/16

+ sign -0.027 ± 0.105 χ^2/NDF : 30.3/33

All: -0.017 ± 0.073 χ^2/NDF : 84.2/69

- sign -0.008 ± 0.101 χ^2/NDF : 53.9/35

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

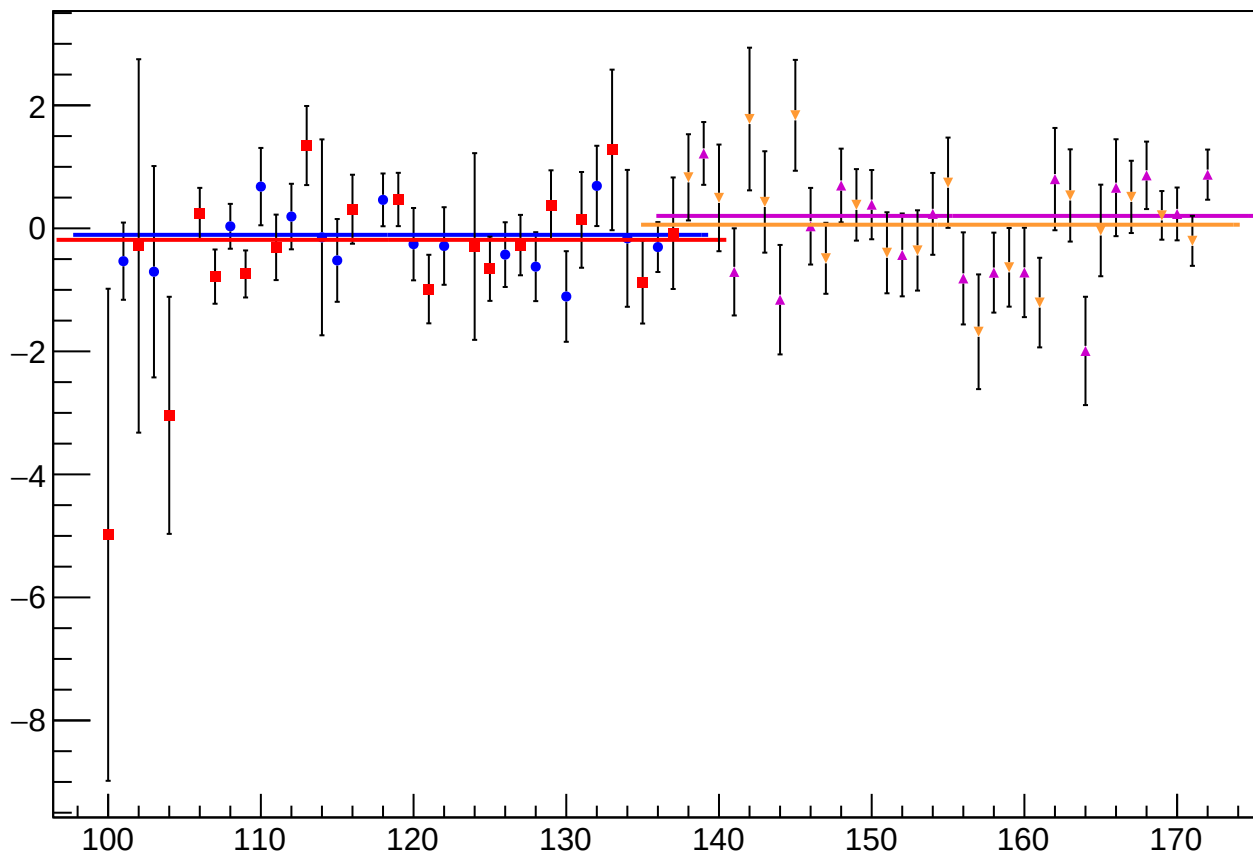
Left In: 535.896 ± 0.105 χ^2/NDF : 1360287.0/16

+ sign 449.766 ± 0.074 χ^2/NDF : 4745050.7/33

All: 436.885 ± 0.051 χ^2/NDF : 10477211.9/69

- sign 424.888 ± 0.071 χ^2/NDF : 5673545.6/35

asym_atr2_eigen_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

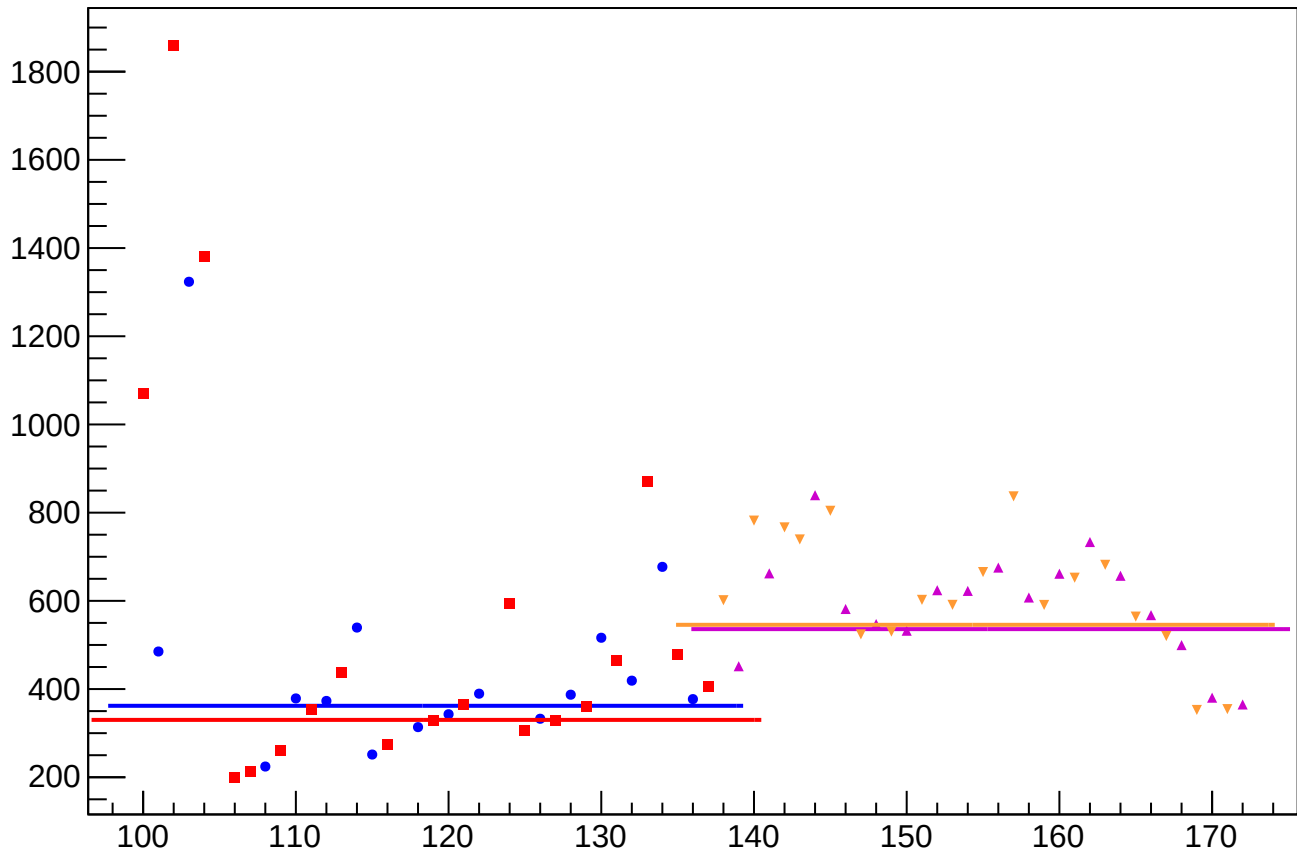
Left In: 0.202 ± 0.149 χ^2/NDF : 26.4/16

+ sign -0.027 ± 0.105 χ^2/NDF : 30.3/33

All: -0.017 ± 0.073 χ^2/NDF : 84.2/69

- sign -0.008 ± 0.101 χ^2/NDF : 53.9/35

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.034+/-0.102 χ^2/NDF : 1377333.3/15

Left Out: 545.686+/-0.107 χ^2/NDF : 1828359.6/17

Right Out: 330.082+/-0.097 χ^2/NDF : 2246503.8/18

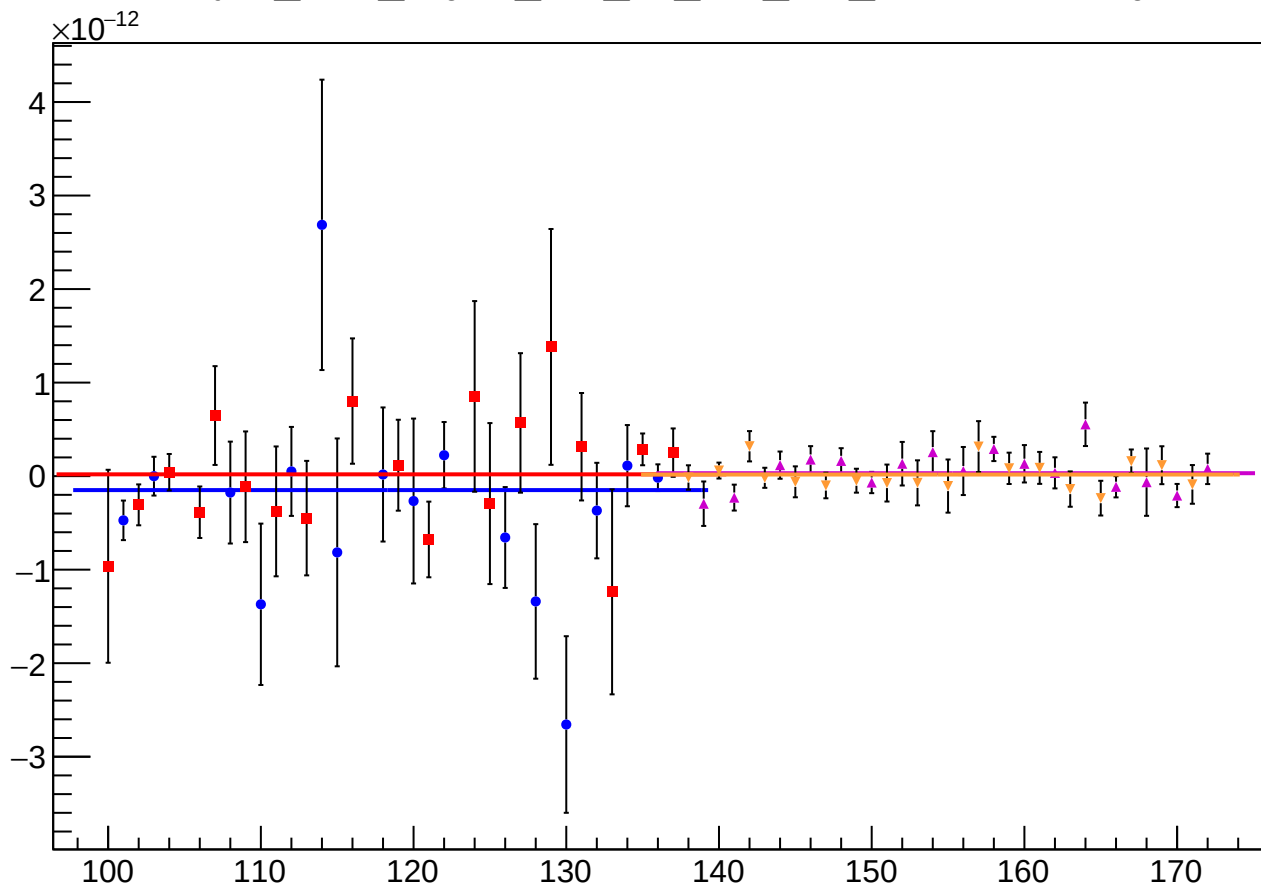
Left In: 535.896+/-0.105 χ^2/NDF : 1360287.0/16

+ sign 449.766+/-0.074 χ^2/NDF : 4745050.7/33

All: 436.885+/-0.051 χ^2/NDF : 10477211.9/69

- sign 424.888+/-0.071 χ^2/NDF : 5673545.6/35

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

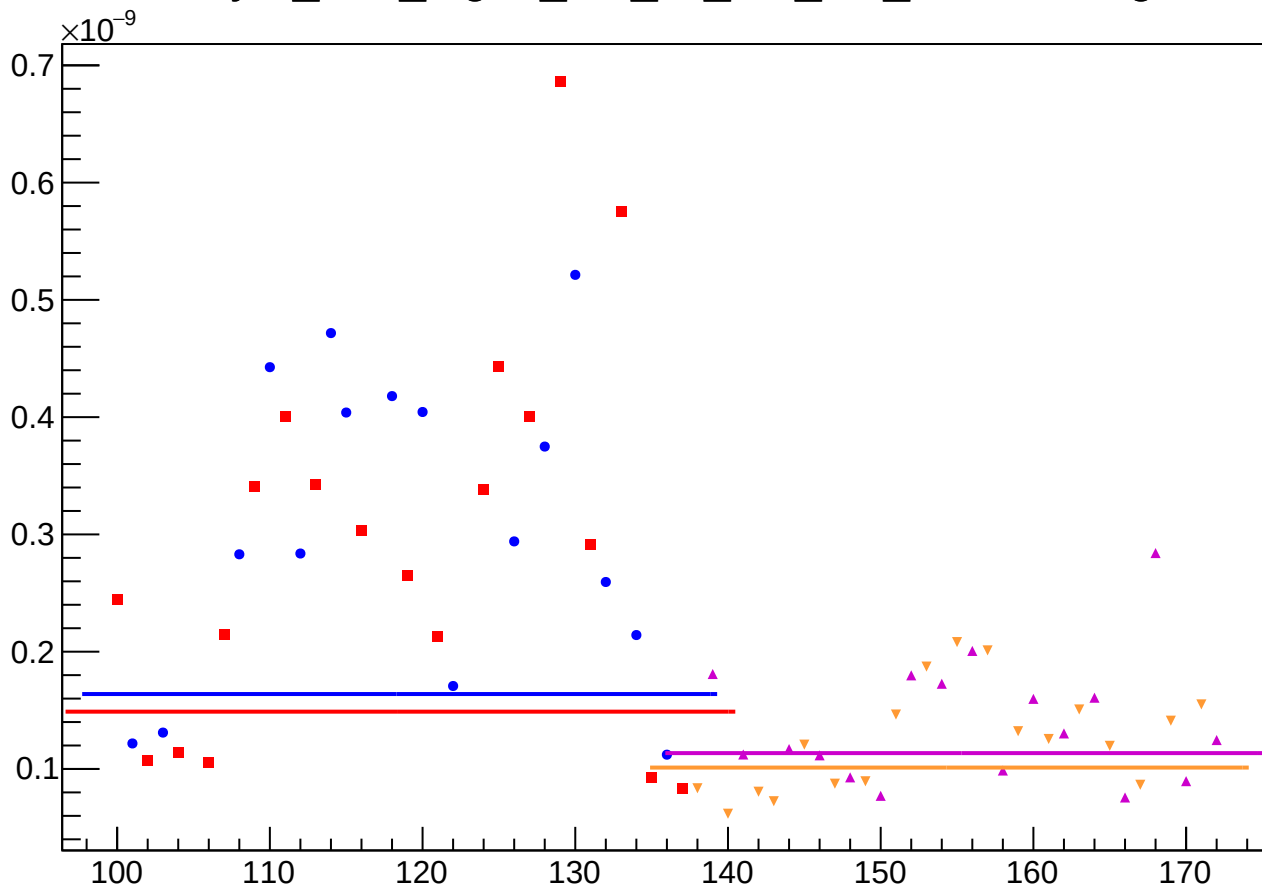
Left In: 0.000+/-0.000 χ^2/NDF : 24.5/16

+ sign -0.000+/-0.000 χ^2/NDF : 35.9/33

All: 0.000+/-0.000 χ^2/NDF : 80.4/69

- sign 0.000+/-0.000 χ^2/NDF : 44.0/35

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



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

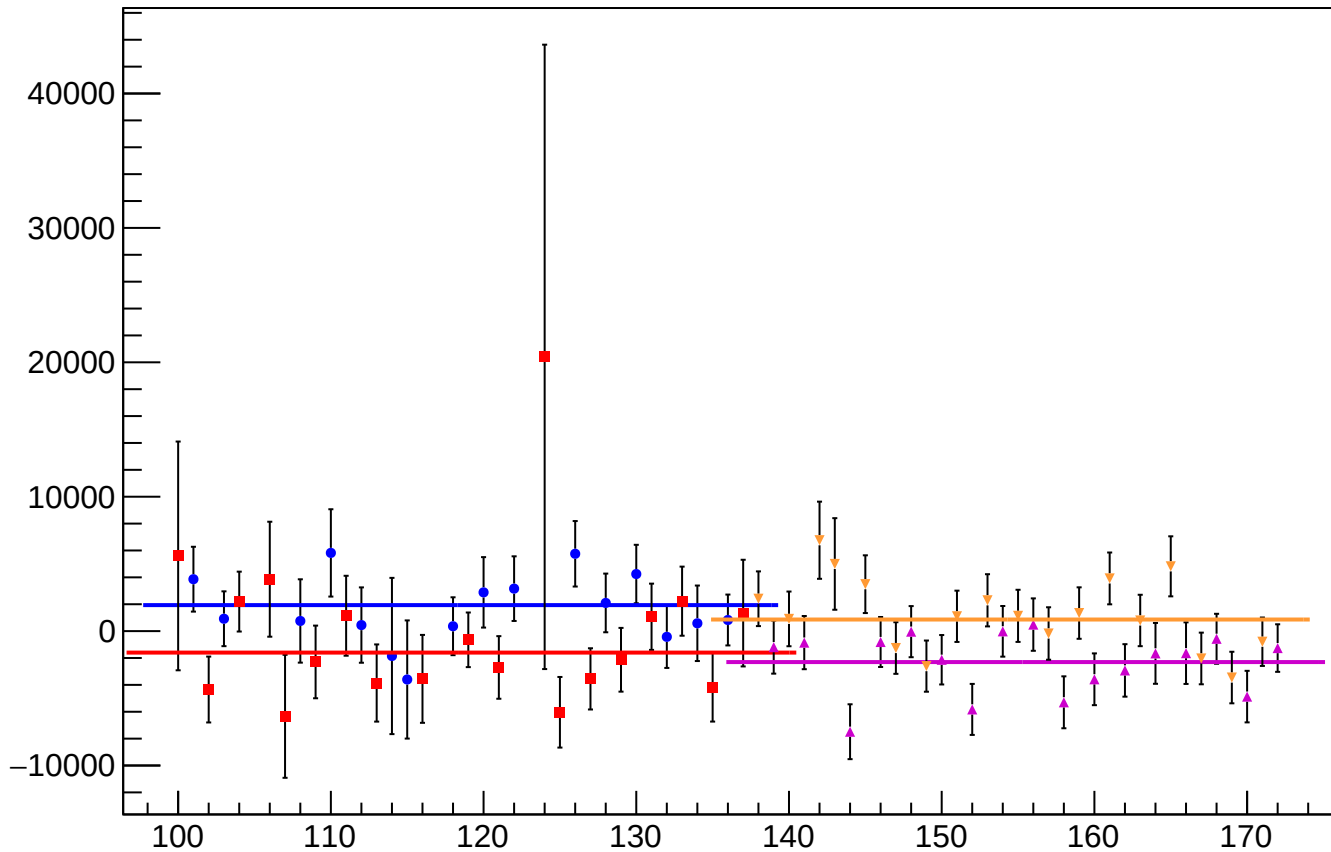
Left In: 0.000+/-0.000 χ^2/NDF : 1937677.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 5019520.4/33

All: 0.000+/-0.000 χ^2/NDF : 10176431.3/69

- sign 0.000+/-0.000 χ^2/NDF : 5079693.6/35

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

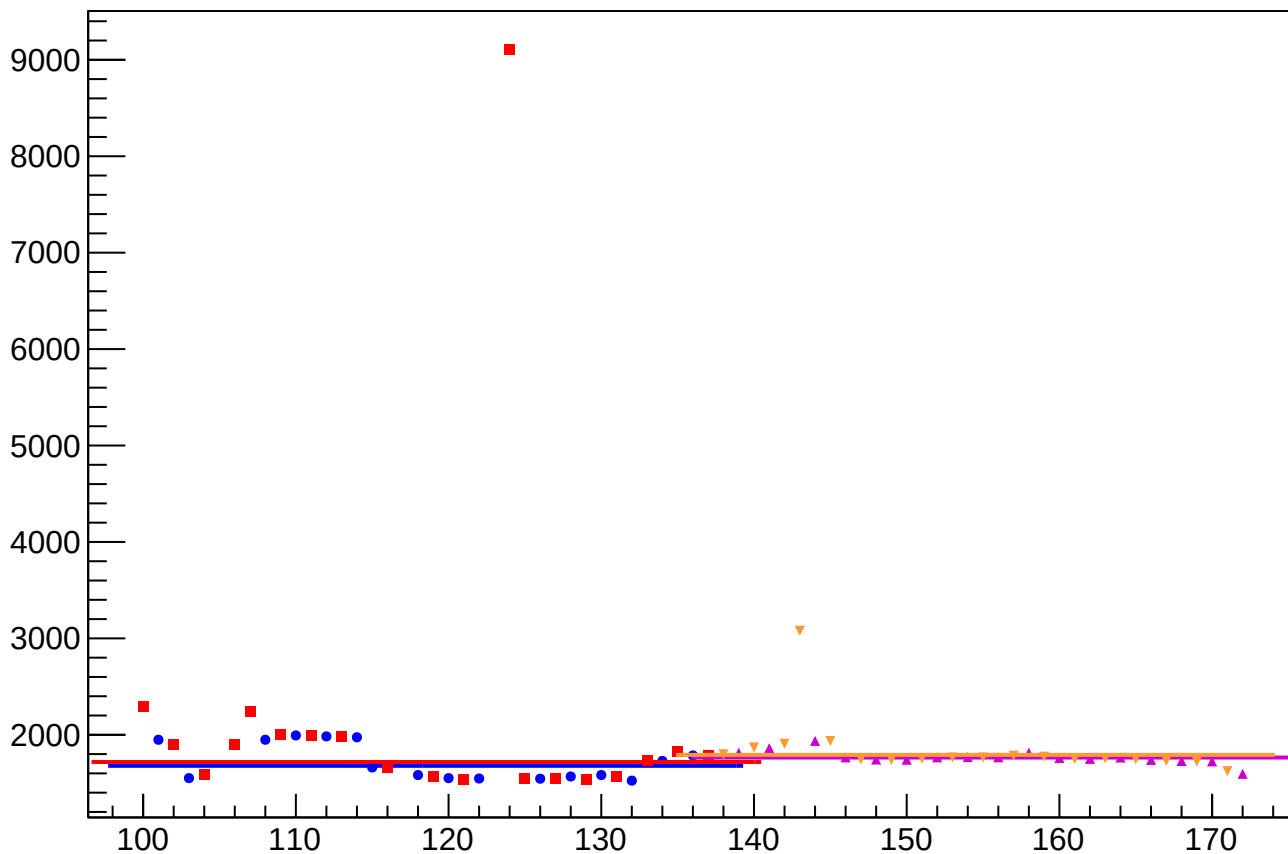
Left In: -2303.490 ± 471.323 χ^2/NDF : 22.5/16

+ sign 1255.154 ± 379.984 χ^2/NDF : 39.8/33

All: -400.728 ± 268.685 χ^2/NDF : 120.4/69

- sign -2056.505 ± 379.972 χ^2/NDF : 42.6/35

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

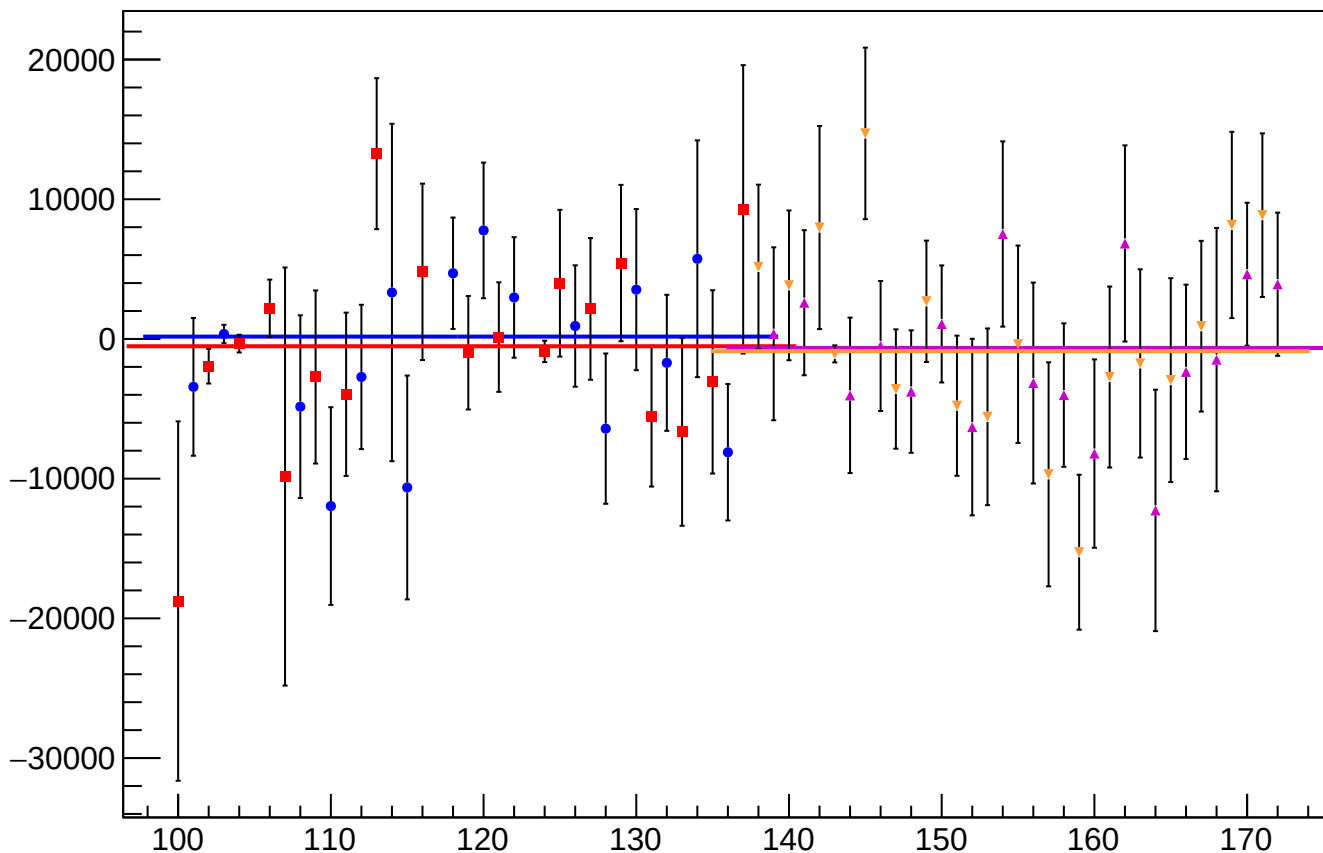
Left In: 1764.274+/-0.333 χ^2/NDF : 42477.6/16

+ sign 1750.373+/-0.269 χ^2/NDF : 511887.7/33

All: 1749.227+/-0.190 χ^2/NDF : 944280.0/69

- sign 1748.085+/-0.268 χ^2/NDF : 432356.0/35

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

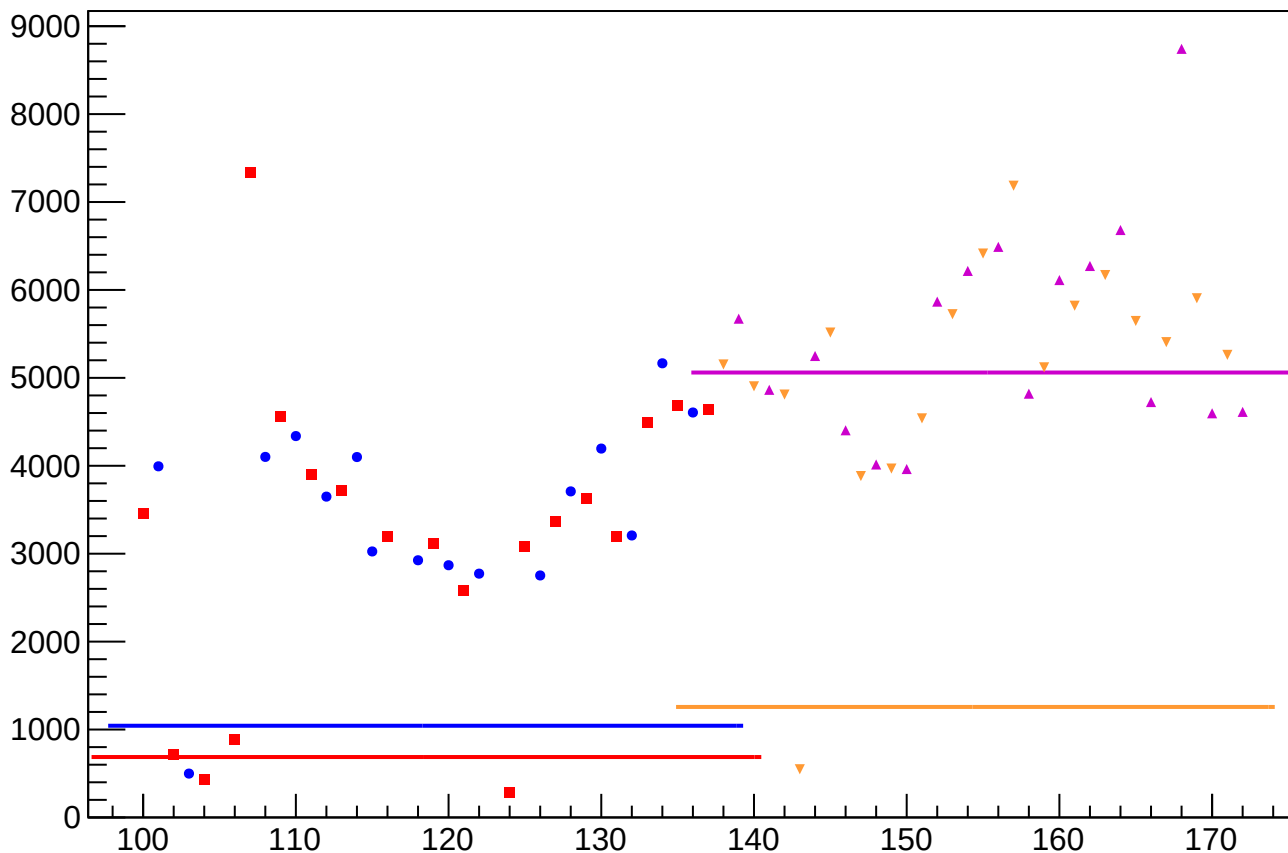
Left In: -648.766 ± 1380.597 χ^2/NDF : 10.5/16

+ sign -380.675 ± 407.097 χ^2/NDF : 42.4/33

All: -456.603 ± 287.472 χ^2/NDF : 71.5/69

- sign -532.123 ± 406.000 χ^2/NDF : 29.0/35

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

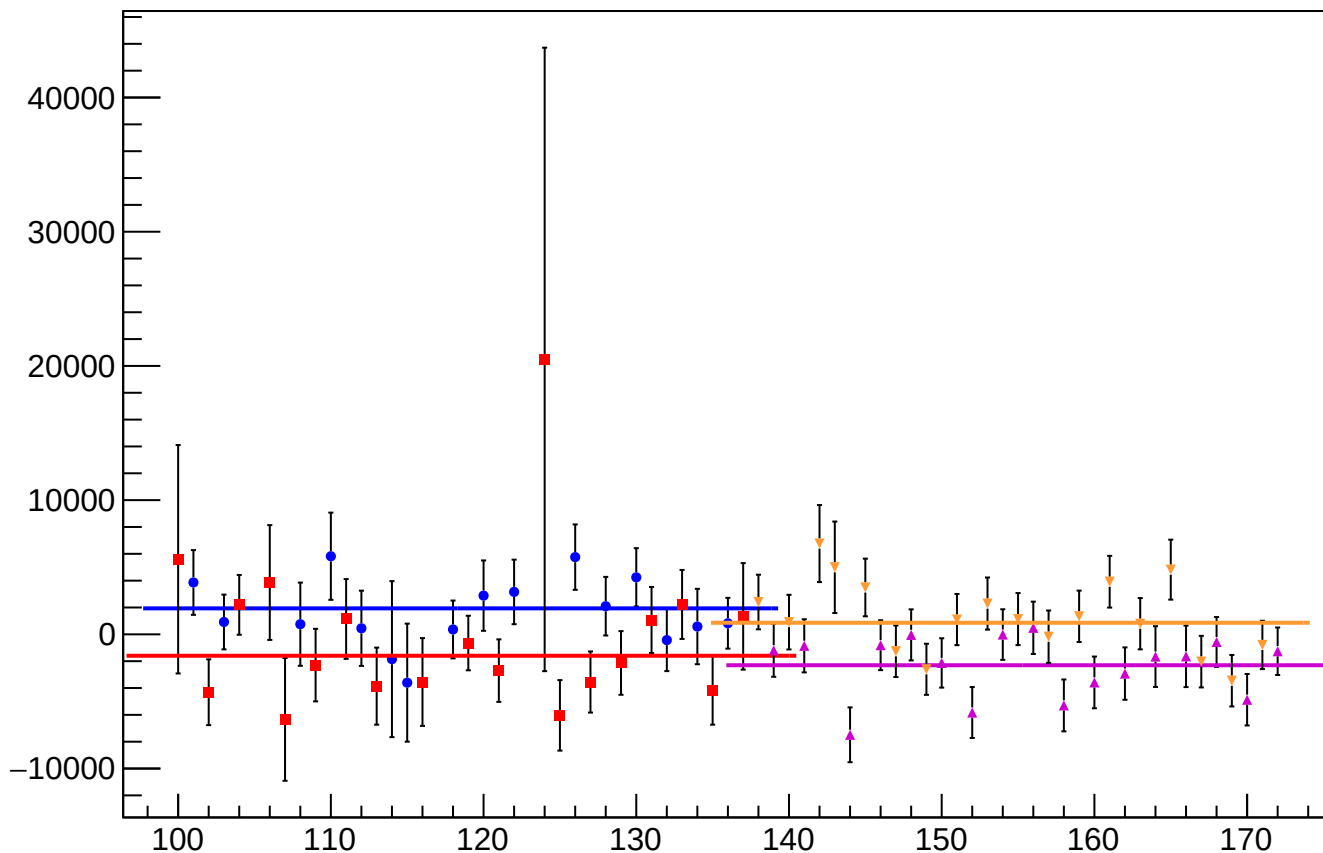
Left In: 5060.644+/-0.976 χ^2/NDF : 1013863.5/16

+ sign 1155.688+/-0.288 χ^2/NDF : 26316120.3/33

All: 1110.490+/-0.203 χ^2/NDF : 54343770.9/66

- sign 1065.535+/-0.287 χ^2/NDF : 27978477.5/35

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

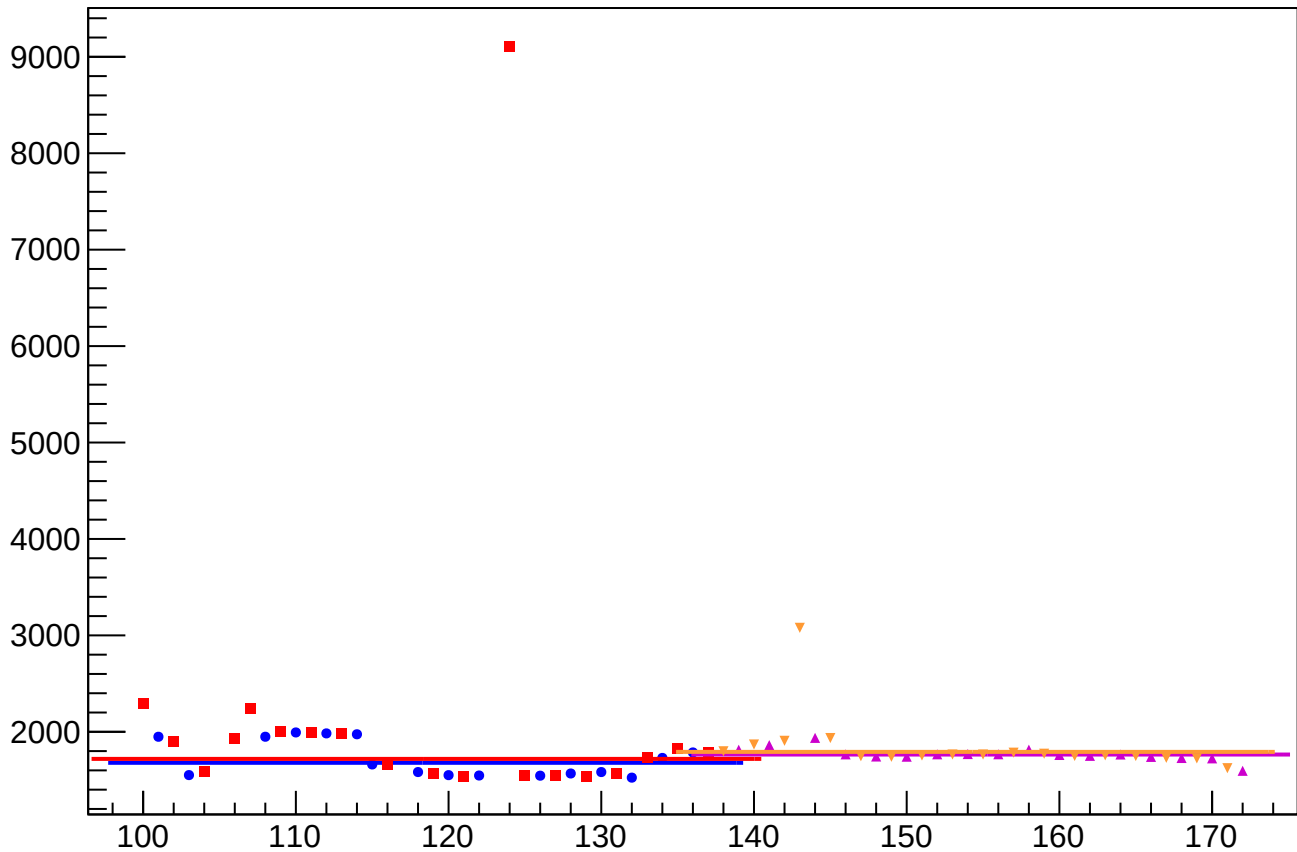
Left In: -2303.541 ± 471.323 χ^2/NDF : 22.5/16

+ sign 1255.194 ± 379.984 χ^2/NDF : 39.8/33

All: -400.294 ± 268.686 χ^2/NDF : 120.4/69

- sign -2055.687 ± 379.974 χ^2/NDF : 42.6/35

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

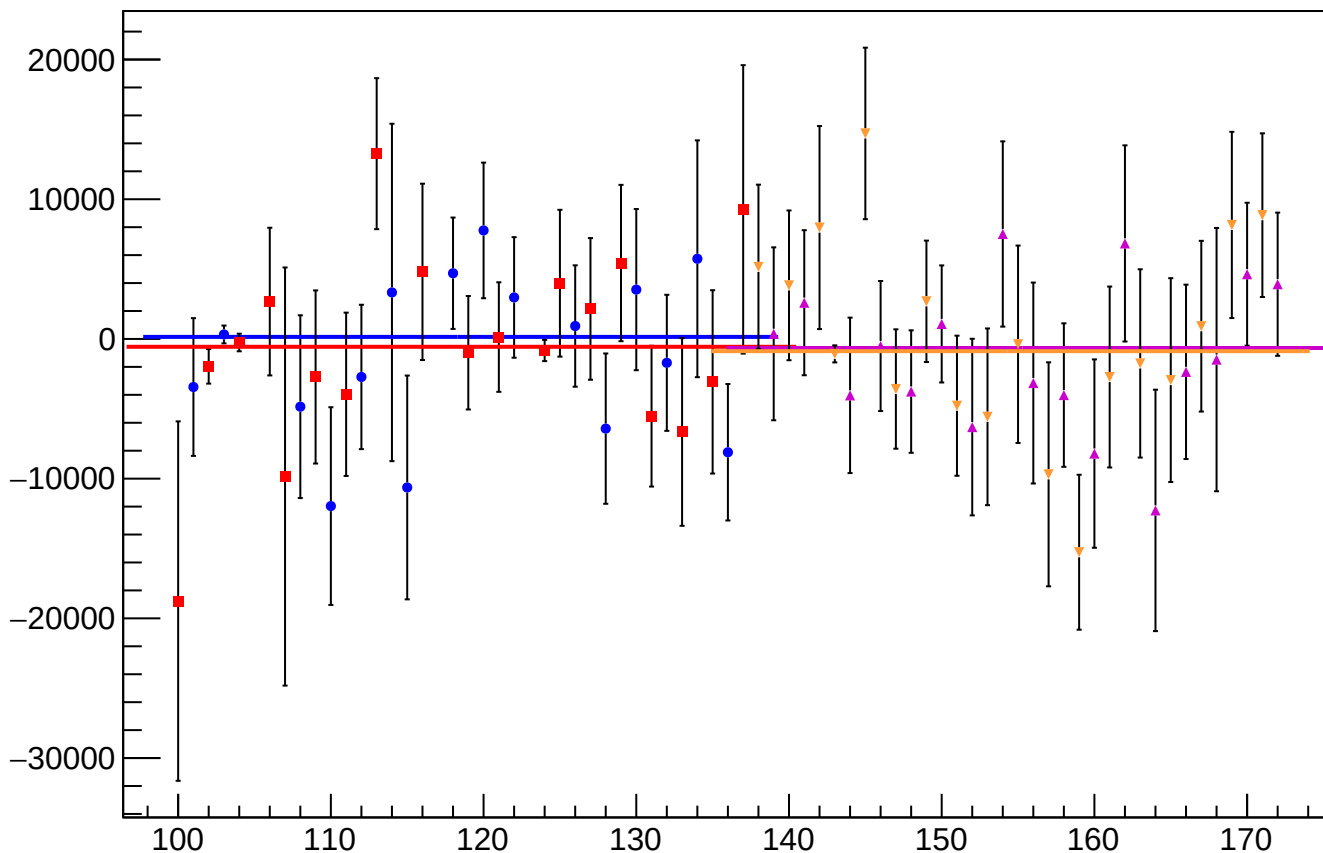
Left In: 1764.274+/-0.333 χ^2/NDF : 42477.6/16

+ sign 1750.373+/-0.269 χ^2/NDF : 511887.9/33

All: 1749.379+/-0.190 χ^2/NDF : 945769.1/69

- sign 1748.389+/-0.268 χ^2/NDF : 433853.9/35

asym_atl_avg_cor_correction_mean vs Slug



Right In: 146.548 $\pm$ 579.356 χ^2 /NDF: 15.8/15

Left Out: -874.061 $\pm$ 561.033 χ^2 /NDF:24.9/17

Right Out: -561.454 $\pm$ 430.621 χ^2 /NDF: 17.2/18

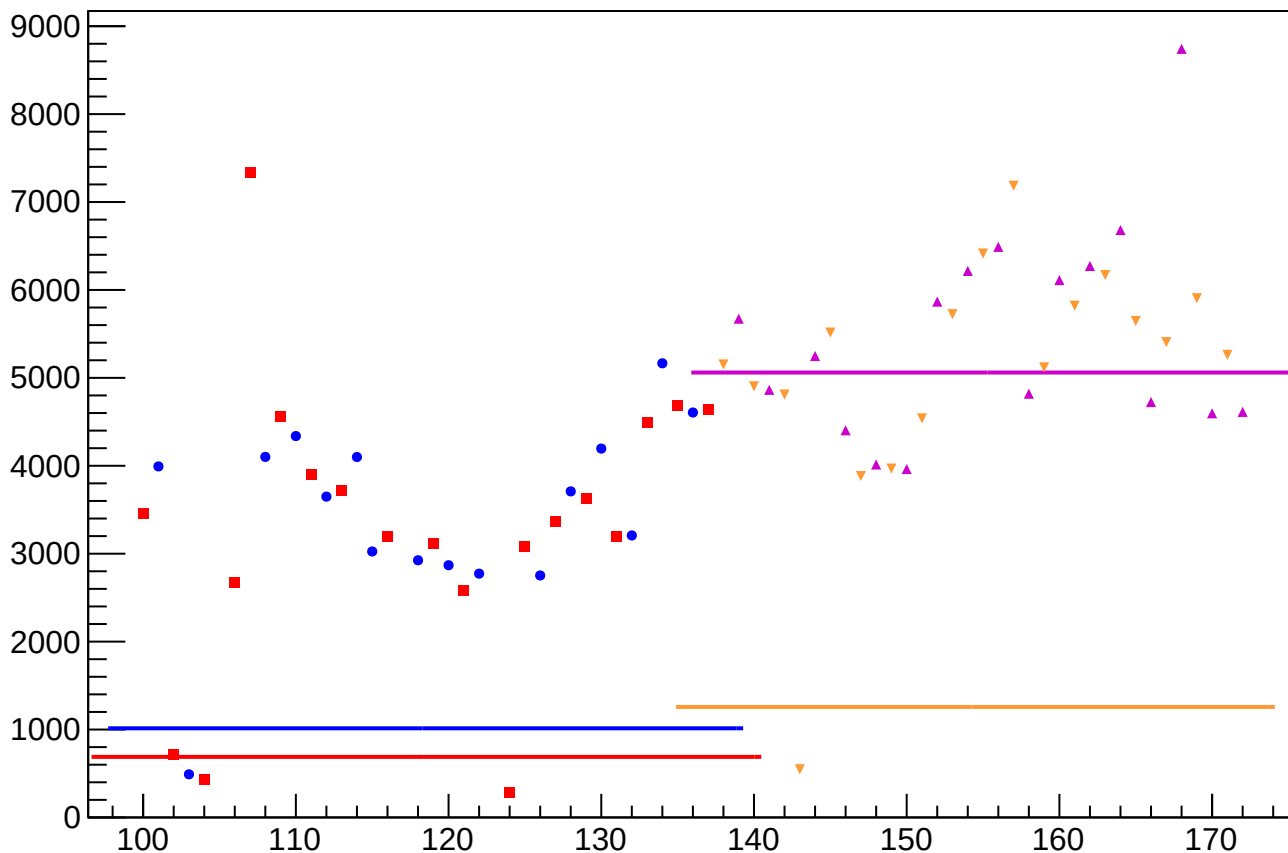
Left In: -648.846 $\pm$ 1380.596 χ^2 /NDF:10.5/16

+ sign -380.151 $\pm$ 403.032 χ^2 /NDF: 42.3/33

All: -472.806 $\pm$ 287.793 χ^2 /NDF: 70.1/69

- sign -569.203 $\pm$ 411.088 χ^2 /NDF: 27.7/35

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

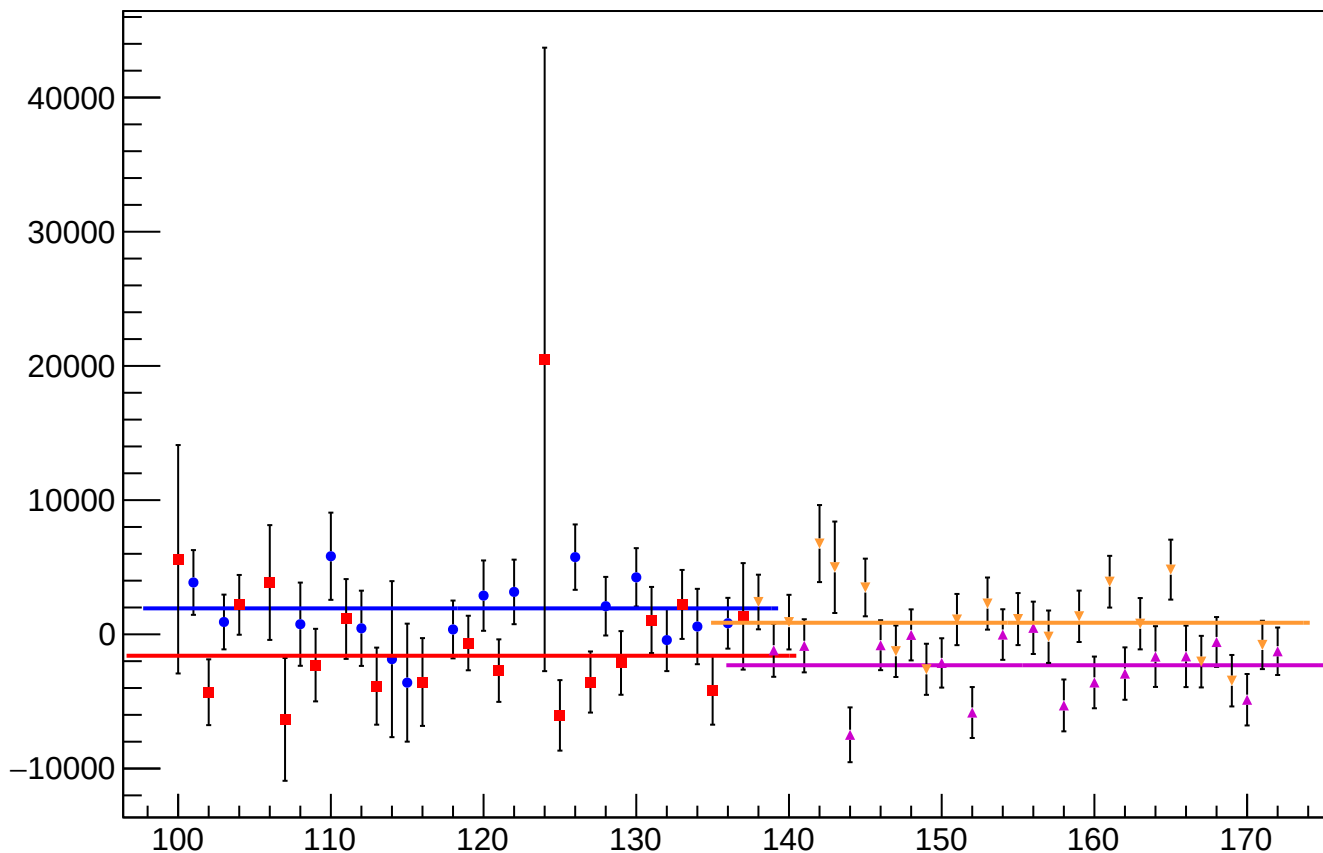
Left In: 5060.639+/-0.976 χ^2/NDF : 1013883.1/16

+ sign 1139.378+/-0.285 χ^2/NDF : 26471327.2/33

All: 1108.634+/-0.204 χ^2/NDF : 54694180.4/6

- sign 1076.648+/-0.291 χ^2/NDF : 28199106.9/35

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

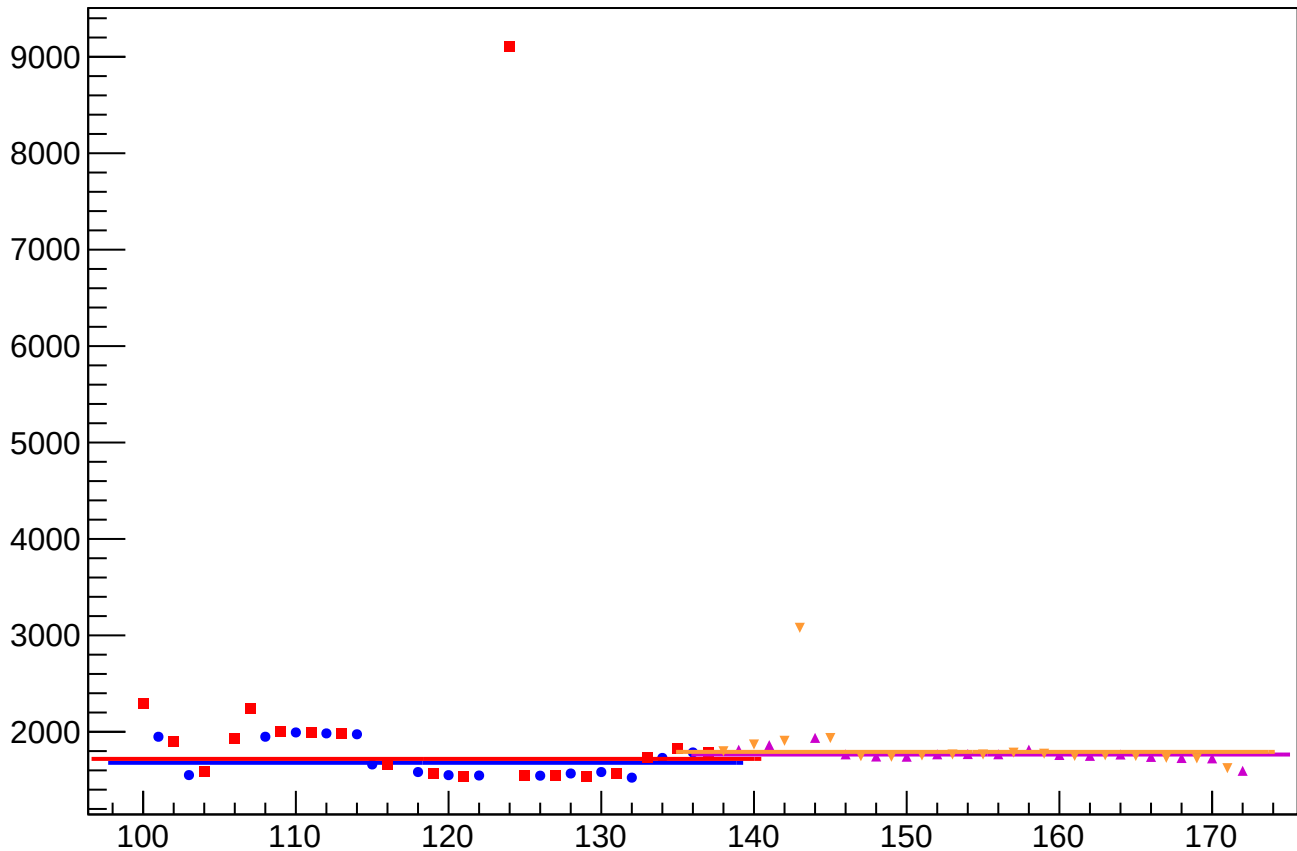
Left In: -2303.541 ± 471.323 χ^2/NDF : 22.5/16

+ sign 1255.194 ± 379.984 χ^2/NDF : 39.8/33

All: -400.294 ± 268.686 χ^2/NDF : 120.4/69

- sign -2055.687 ± 379.974 χ^2/NDF : 42.6/35

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

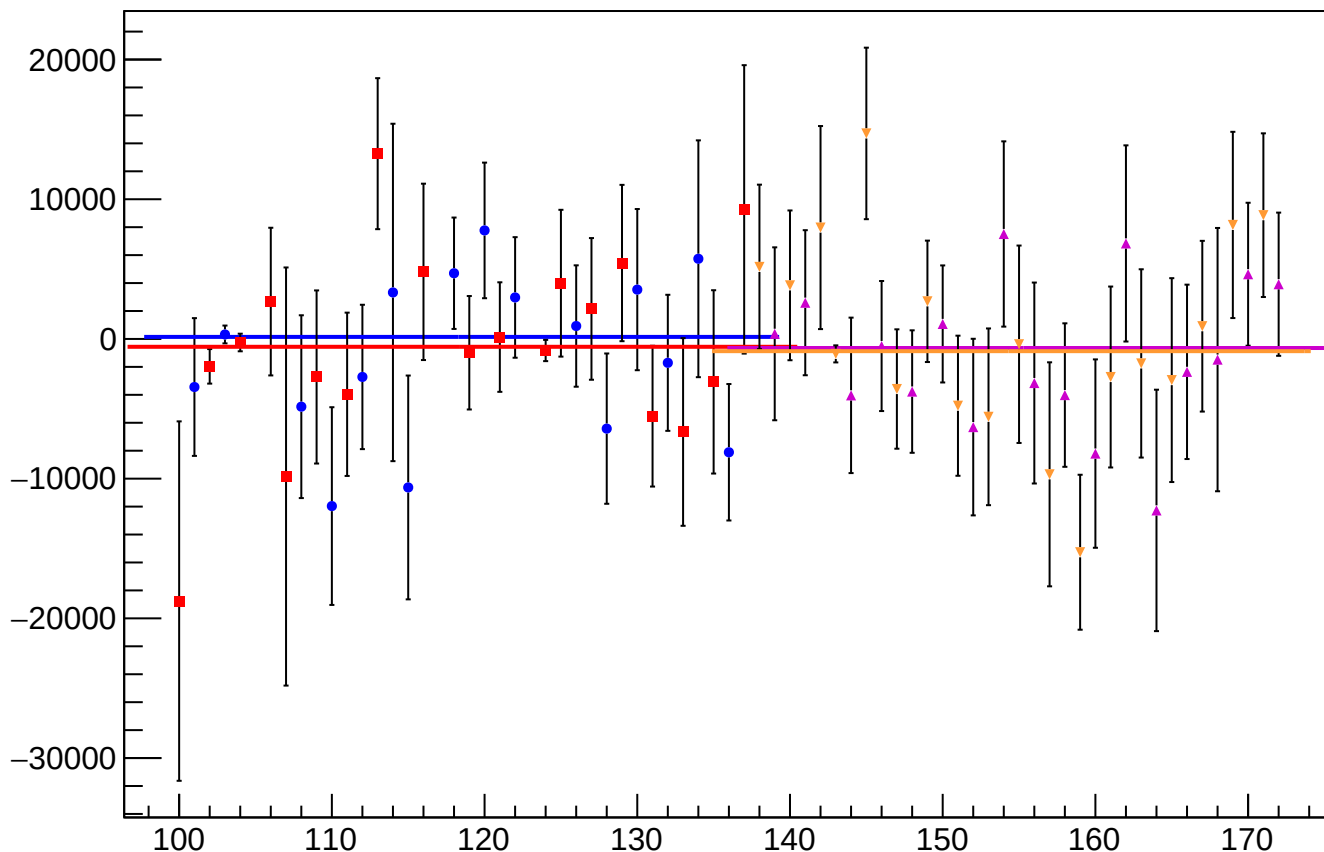
Left In: 1764.274+/-0.333 χ^2/NDF : 42477.6/16

+ sign 1750.373+/-0.269 χ^2/NDF : 511887.9/33

All: 1749.379+/-0.190 χ^2/NDF : 945769.1/69

- sign 1748.389+/-0.268 χ^2/NDF : 433853.9/35

asym_atl_avg_eigen_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

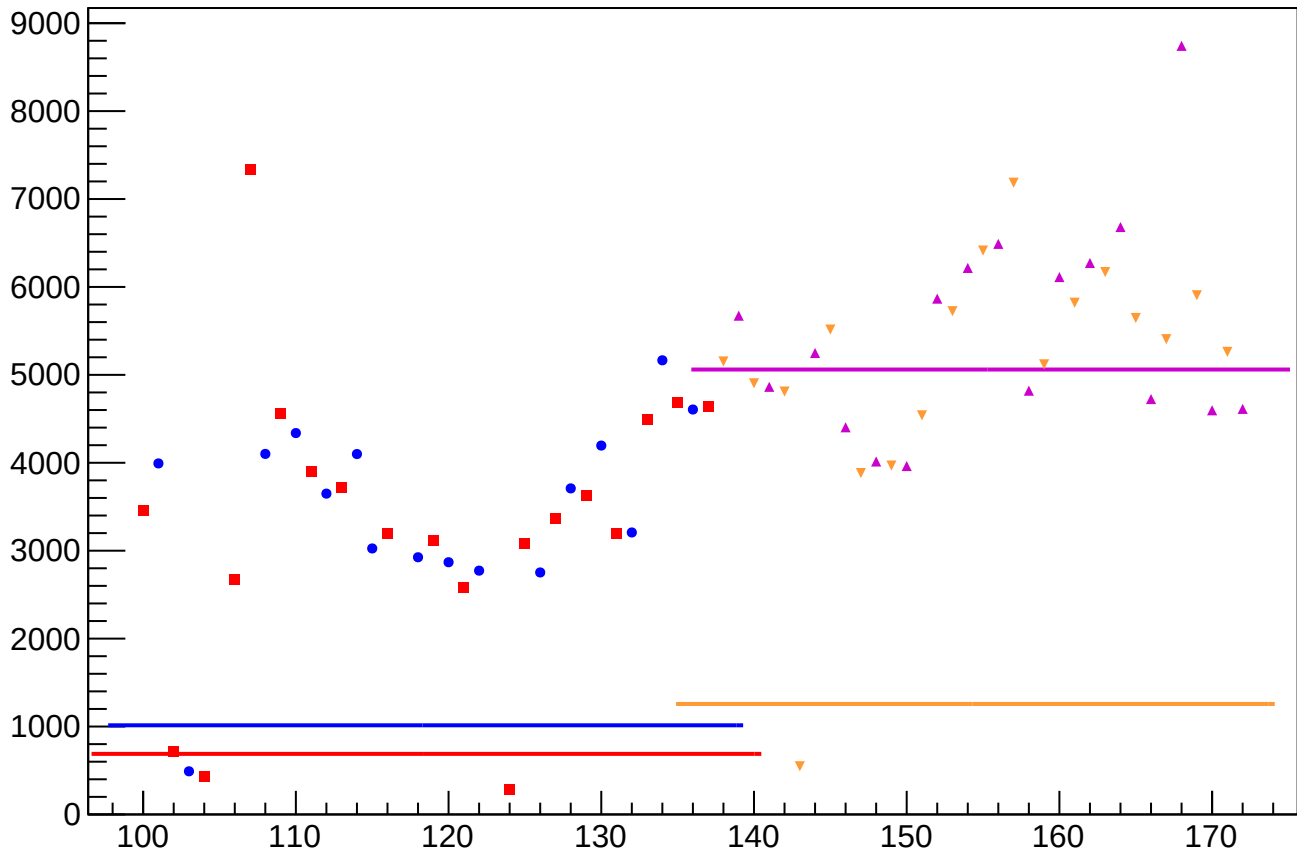
Left In: -648.846+/-1380.596 χ^2/NDF : 10.5/16

+ sign -380.151+/-403.032 χ^2/NDF : 42.3/33

All: -472.806+/-287.793 χ^2/NDF : 70.1/69

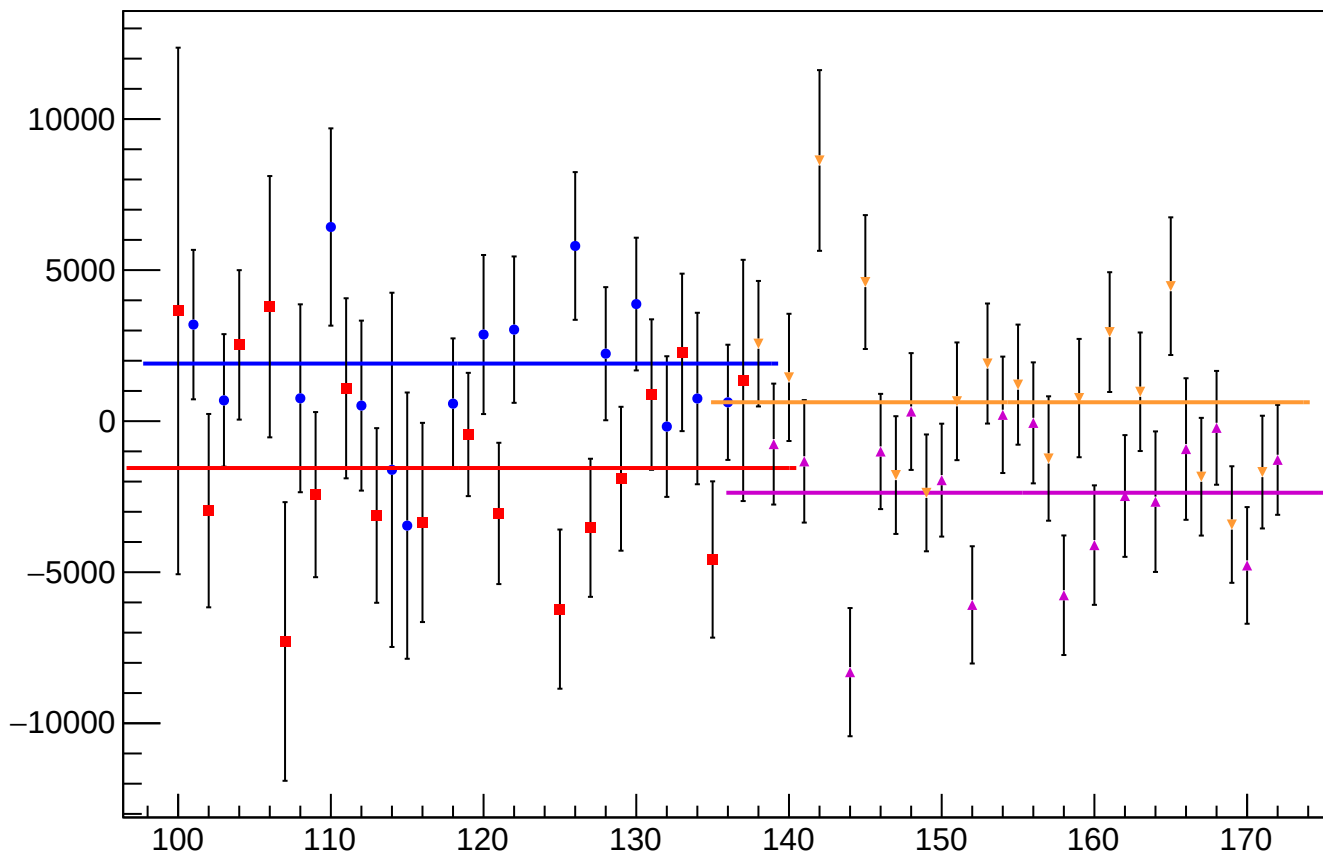
- sign -569.203+/-411.088 χ^2/NDF : 27.7/35

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1014.094+/-0.410	χ^2/NDF : 8223017.6/15	+ sign 1139.378+/-0.285	χ^2/NDF : 26471327.2/33
Left Out: 1256.863+/-0.397	χ^2/NDF : 18067081.1/17	All: 1108.634+/-0.204	χ^2/NDF : 54694180.4/6
Right Out: 689.055+/-0.304	χ^2/NDF : 8910364.4/18	- sign 1076.648+/-0.291	χ^2/NDF : 28199106.9/35
Left In: 5060.639+/-0.976	χ^2/NDF : 1013883.1/16		

dit_asym_atl_avg_mean vs Slug



Right In: 1906.205 $\pm$ 636.433 χ^2 /NDF: 10.2/15

Left Out: 625.905 $\pm$ 494.098 χ^2 /NDF:28.5/16

Right Out: -1550.986 $\pm$ 661.054 χ^2 /NDF: 17.5/17

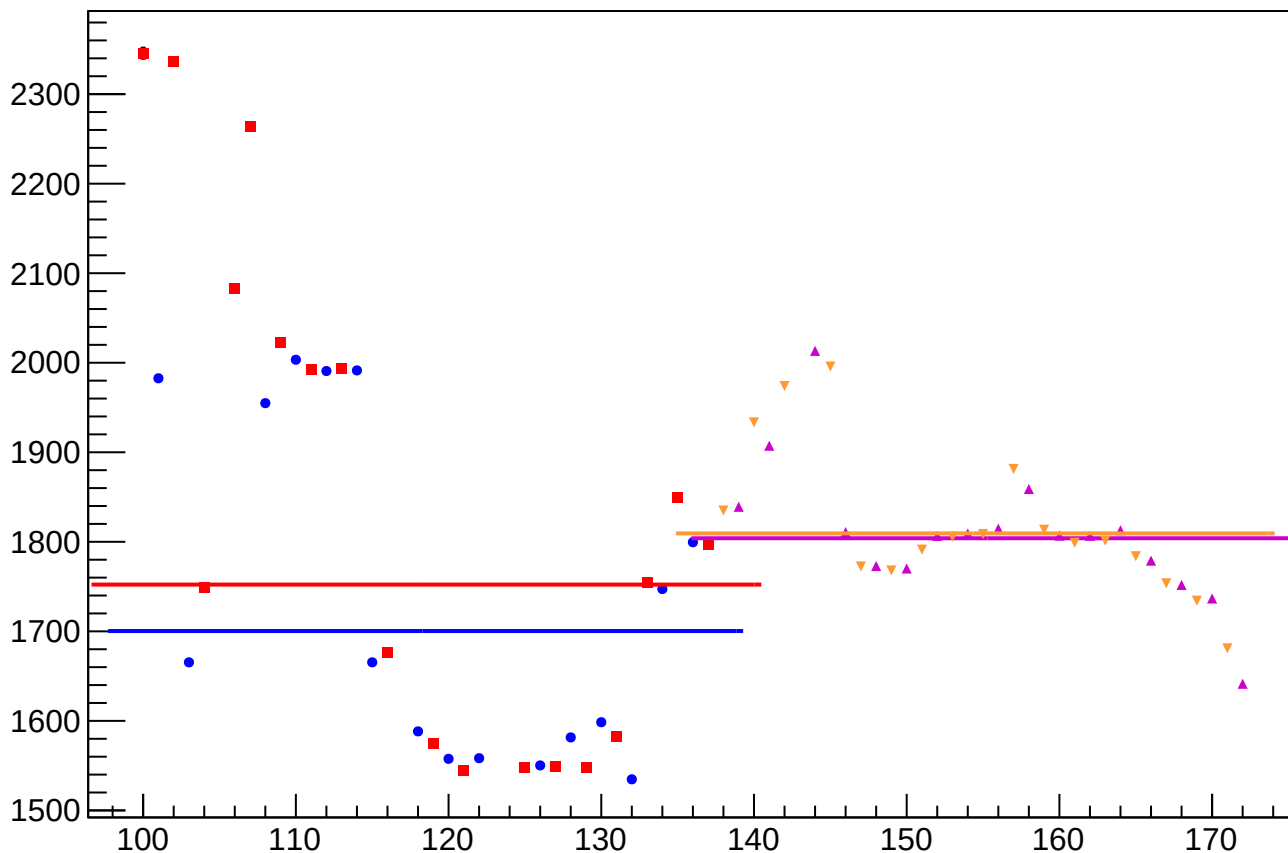
Left In: -2369.684 $\pm$ 482.005 χ^2 /NDF:25.3/16

+ sign 1107.379 $\pm$ 390.286 χ^2 /NDF: 41.2/32

All: -492.417 $\pm$ 275.684 χ^2 /NDF: 118.5/67

- sign -2085.505 $\pm$ 389.467 χ^2 /NDF: 43.8/34

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

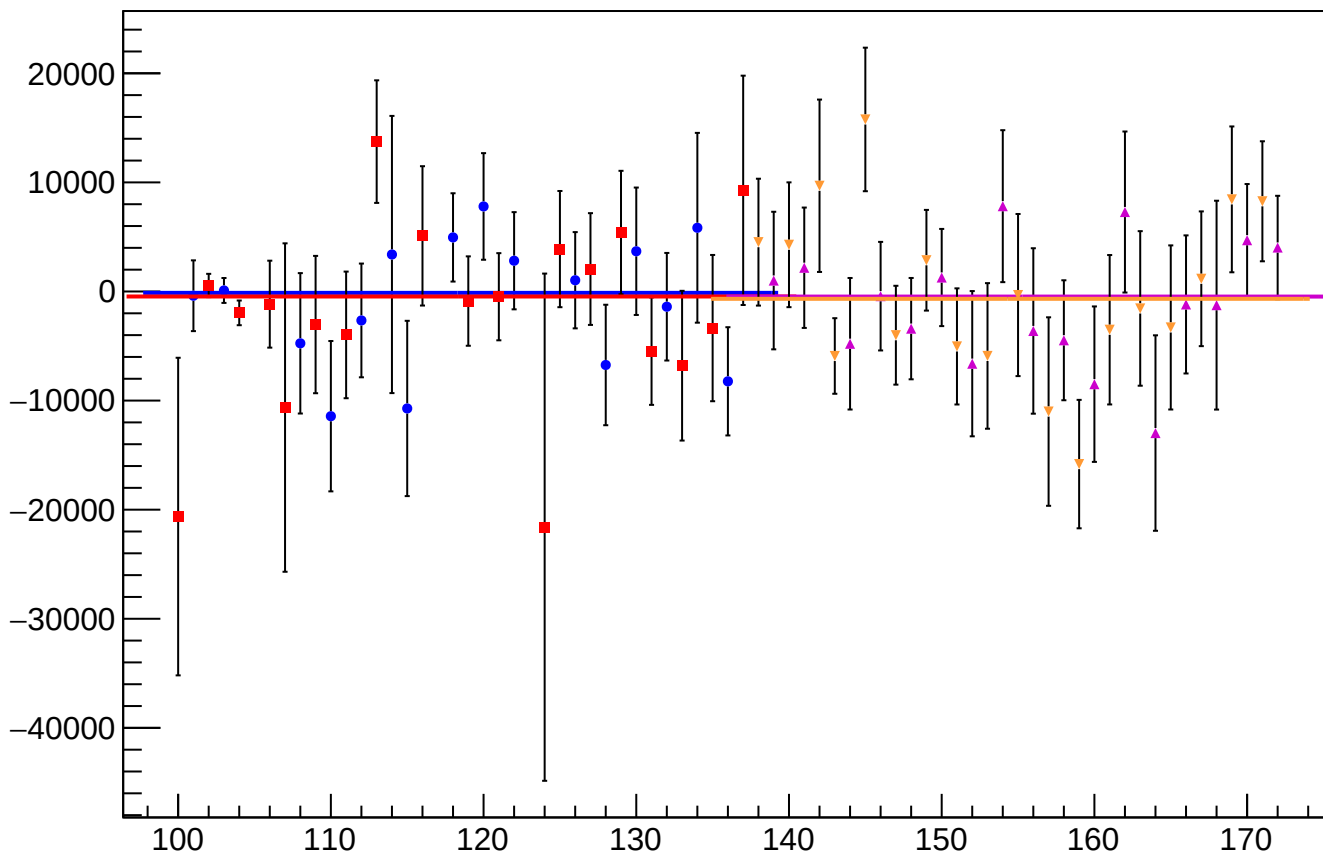
Left In: 1803.970+/-0.341 χ^2/NDF : 48254.5/16

+ sign 1768.410+/-0.276 χ^2/NDF : 218261.3/32

All: 1777.210+/-0.195 χ^2/NDF : 524517.2/67

- sign 1785.960+/-0.275 χ^2/NDF : 304227.9/34

asym_atl_avg_dit_correction_mean vs Slug



Right In: -125.468 $\pm$ 867.645 χ^2 /NDF: 15.1/15

Left Out: -672.020 $\pm$ 1364.646 χ^2 /NDF:27.2/17

Right Out: -459.431 $\pm$ 679.157 χ^2 /NDF: 18.5/18

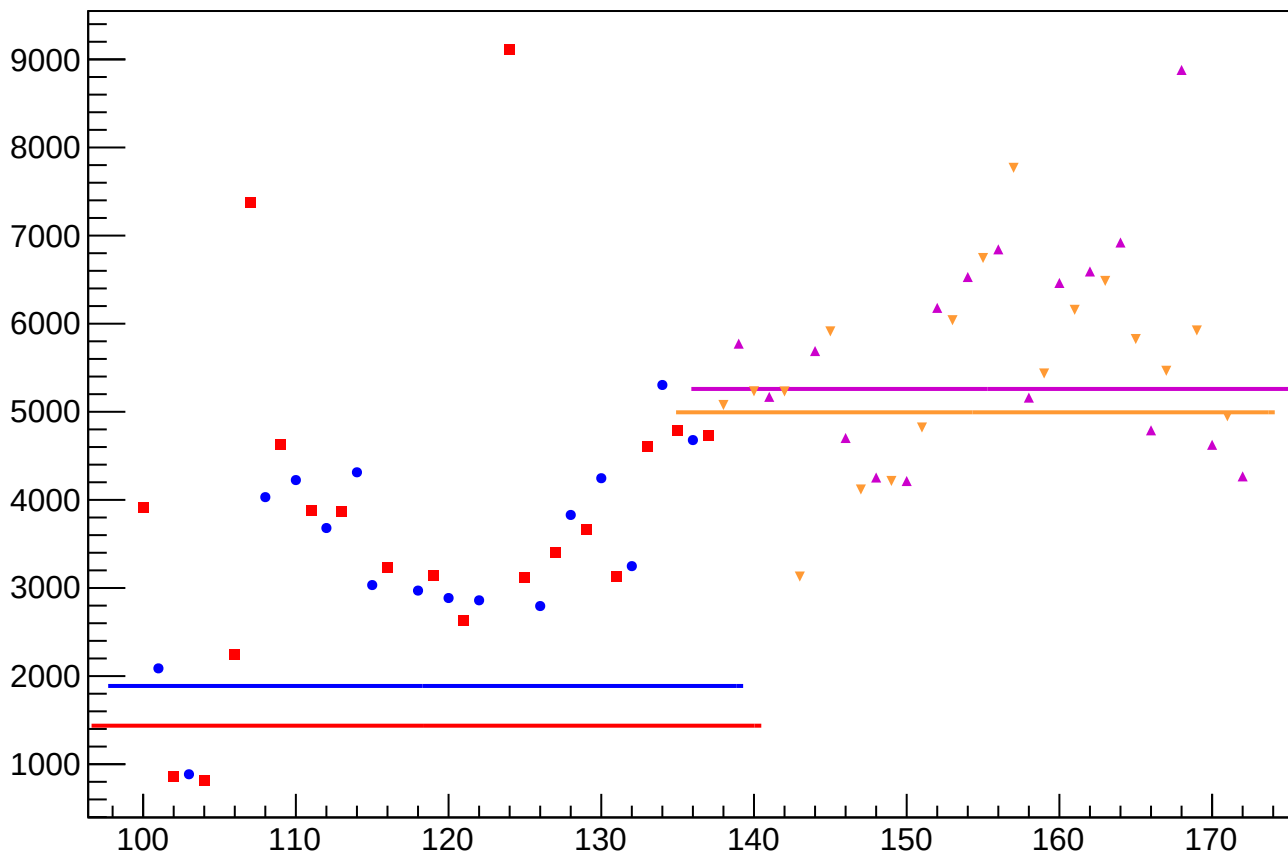
Left In: -466.802 $\pm$ 1435.927 χ^2 /NDF:10.6/16

+ sign -282.806 $\pm$ 732.185 χ^2 /NDF: 42.4/33

All: -387.304 $\pm$ 470.447 χ^2 /NDF: 71.5/69

- sign -460.778 $\pm$ 613.948 χ^2 /NDF: 29.1/35

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

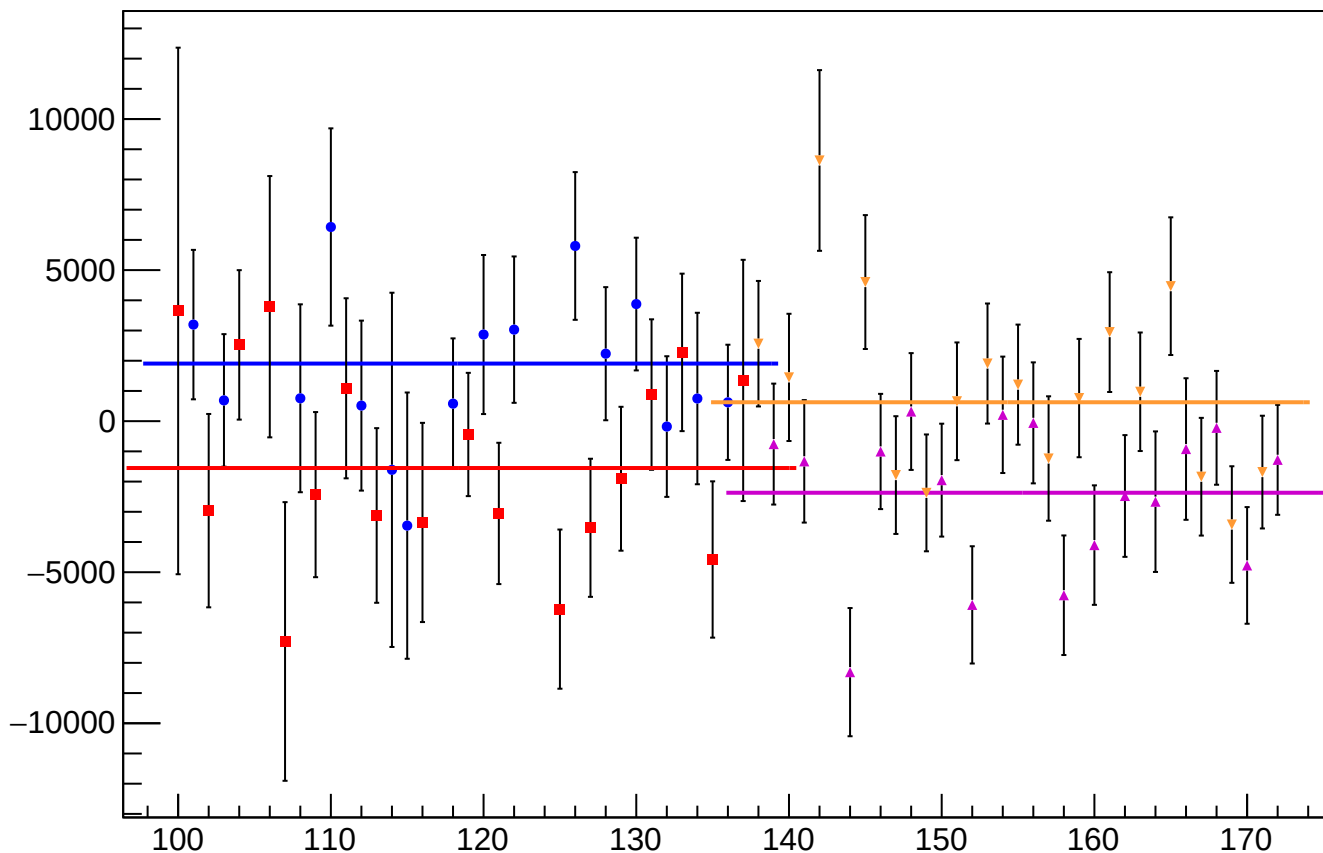
Left In: 5259.293+/-1.015 χ^2/NDF :1052000.2/16

+ sign 2782.167+/-0.518 χ^2/NDF : 13161269.1/33

All: 2402.668+/-0.333 χ^2/NDF : 32672615.5/6

- sign 2135.839+/-0.434 χ^2/NDF : 18596280.3/35

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1906.203 $\pm$ 636.433 χ^2 /NDF: 10.2/15

Left Out: 625.903 $\pm$ 494.098 χ^2 /NDF:28.5/16

Right Out: -1550.983 $\pm$ 661.054 χ^2 /NDF: 17.5/17

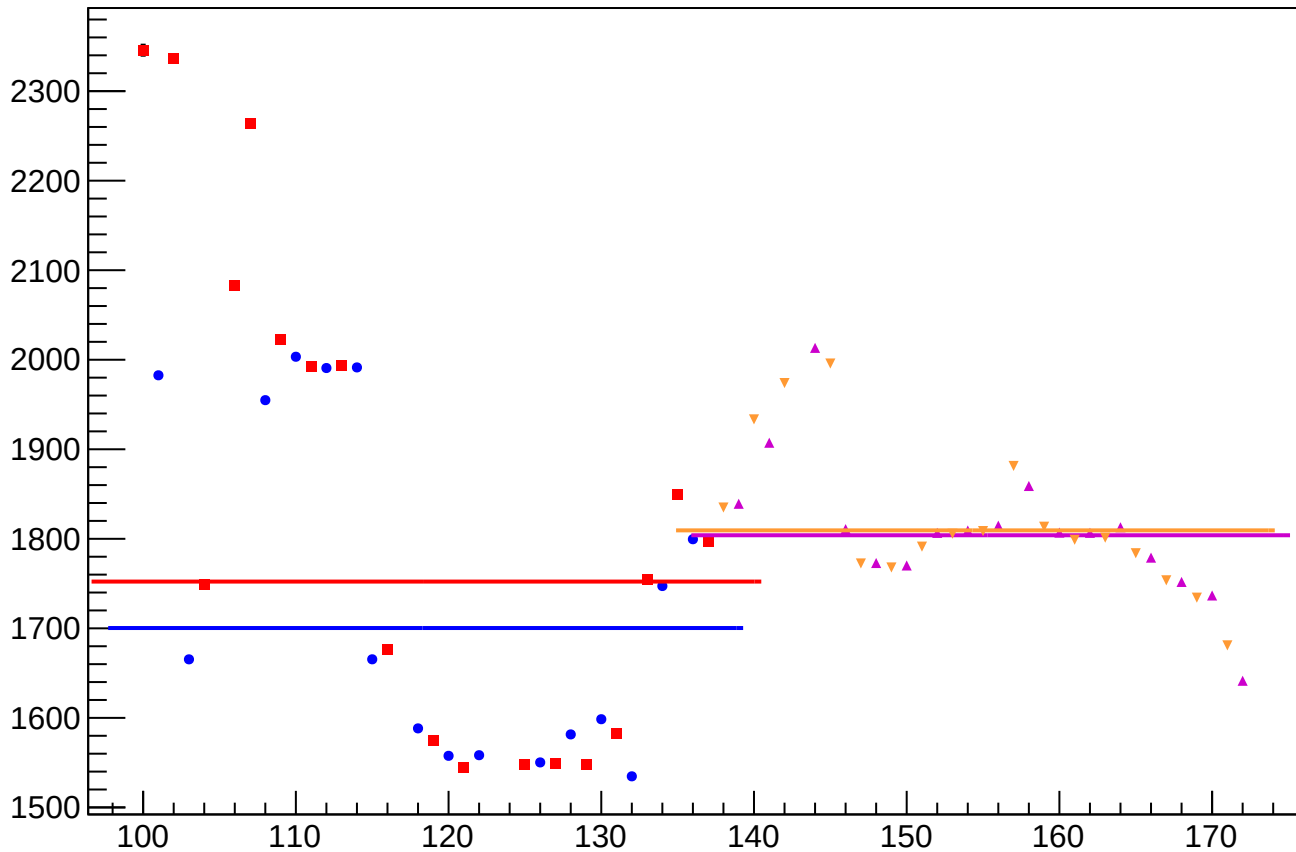
Left In: -2369.684 $\pm$ 482.005 χ^2 /NDF:25.3/16

+ sign 1107.377 $\pm$ 390.286 χ^2 /NDF: 41.2/32

All: -492.417 $\pm$ 275.684 χ^2 /NDF: 118.5/67

- sign -2085.504 $\pm$ 389.467 χ^2 /NDF: 43.8/34

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

+ sign 1768.410+/-0.276 χ^2/NDF : 218263.8/32

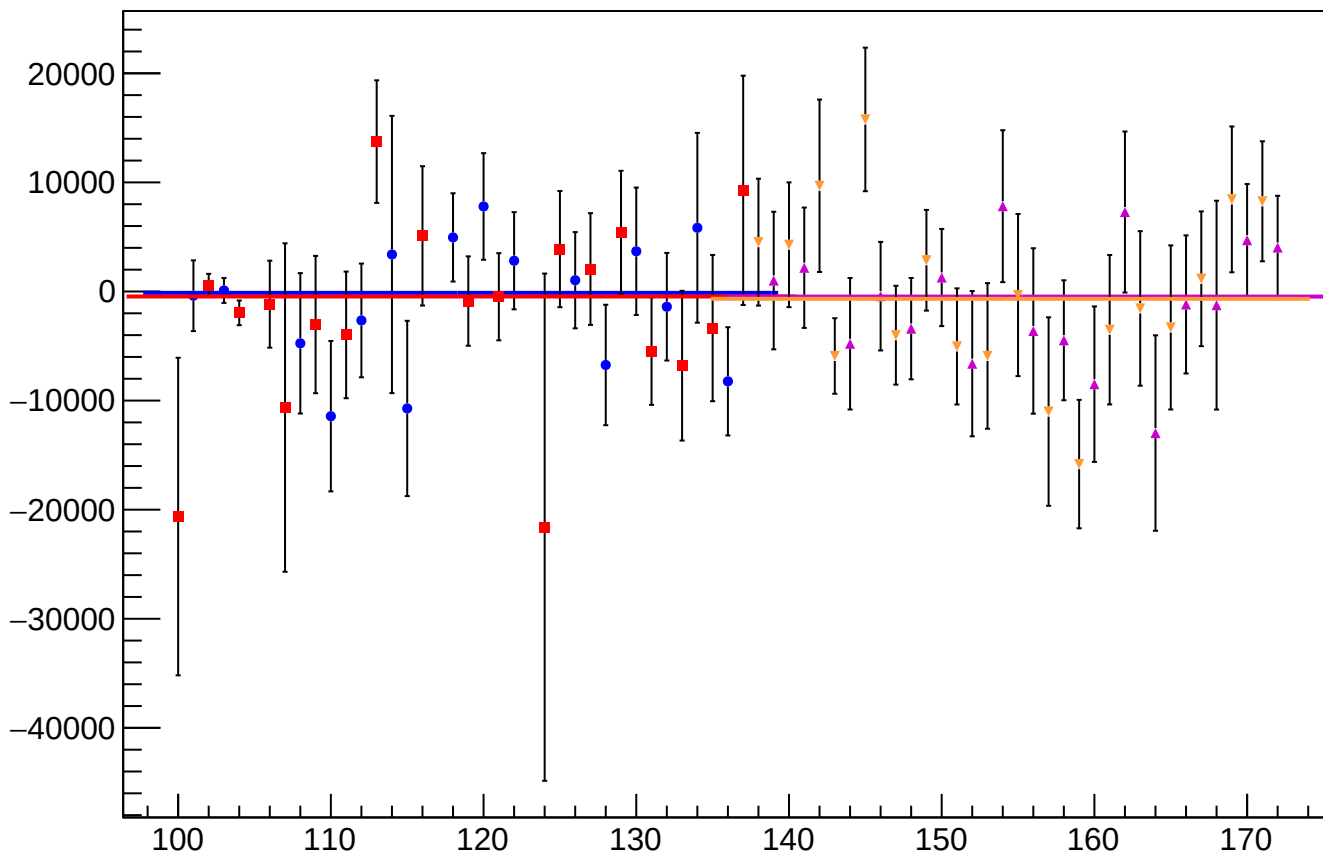
Right Out: 1752.238+/-0.466 χ^2/NDF : 247952.3/17

All: 1777.211+/-0.195 χ^2/NDF : 524521.1/67

- sign 1785.961+/-0.275 χ^2/NDF : 304229.2/34

Left In: 1803.971+/-0.341 χ^2/NDF : 48256.0/16

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -125.464 $\pm$ 867.639 χ^2 /NDF: 15.1/15

Left Out: -672.026 $\pm$ 1364.647 χ^2 /NDF: 27.2/17

Right Out: -459.430 $\pm$ 679.152 χ^2 /NDF: 18.5/18

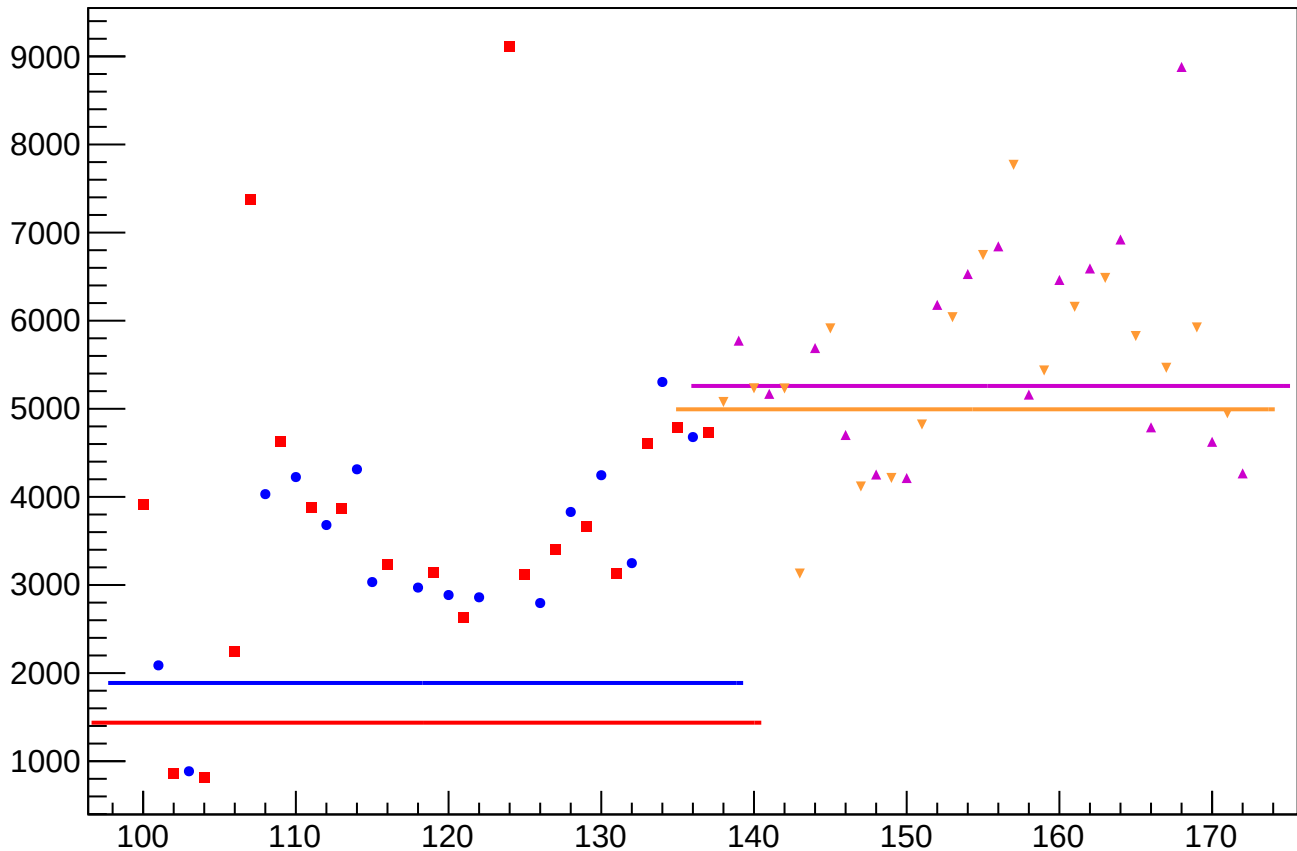
Left In: -466.802 $\pm$ 1435.930 χ^2 /NDF: 10.6/16

+ sign -282.803 $\pm$ 732.182 χ^2 /NDF: 42.4/33

All: -387.303 $\pm$ 470.444 χ^2 /NDF: 71.5/69

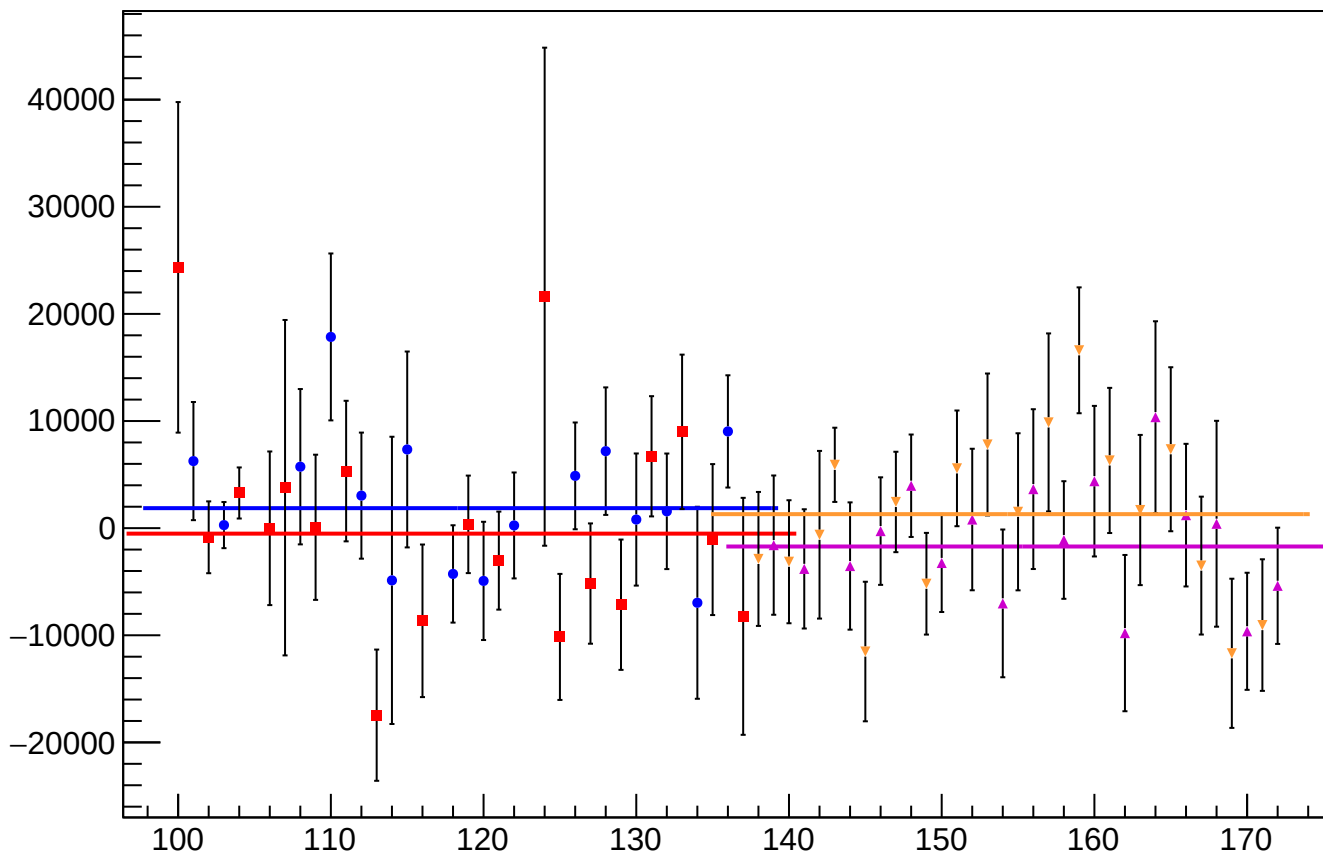
- sign -460.778 $\pm$ 613.945 χ^2 /NDF: 29.1/35

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1887.982+/-0.614	χ^2/NDF : 4425728.6/15	+ sign 2782.147+/-0.518	χ^2/NDF : 13161433.5/33
Left Out: 4994.122+/-0.965	χ^2/NDF : 1356828.9/17	All: 2402.648+/-0.333	χ^2/NDF : 32672956.9/6
Right Out: 1437.095+/-0.480	χ^2/NDF : 5964228.2/18	- sign 2135.819+/-0.434	χ^2/NDF : 18596448.8/35
Left In: 5259.301+/-1.015	χ^2/NDF : 1052001.6/16		

asym_atl_avg_mean vs Slug



Right In: 1866.618 ± 1259.187 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 1306.882 ± 1388.577 $\chi^2/\text{NDF}: 26.2/17$

Right Out: -512.528 ± 1241.513 $\chi^2/\text{NDF}: 24.7/18$

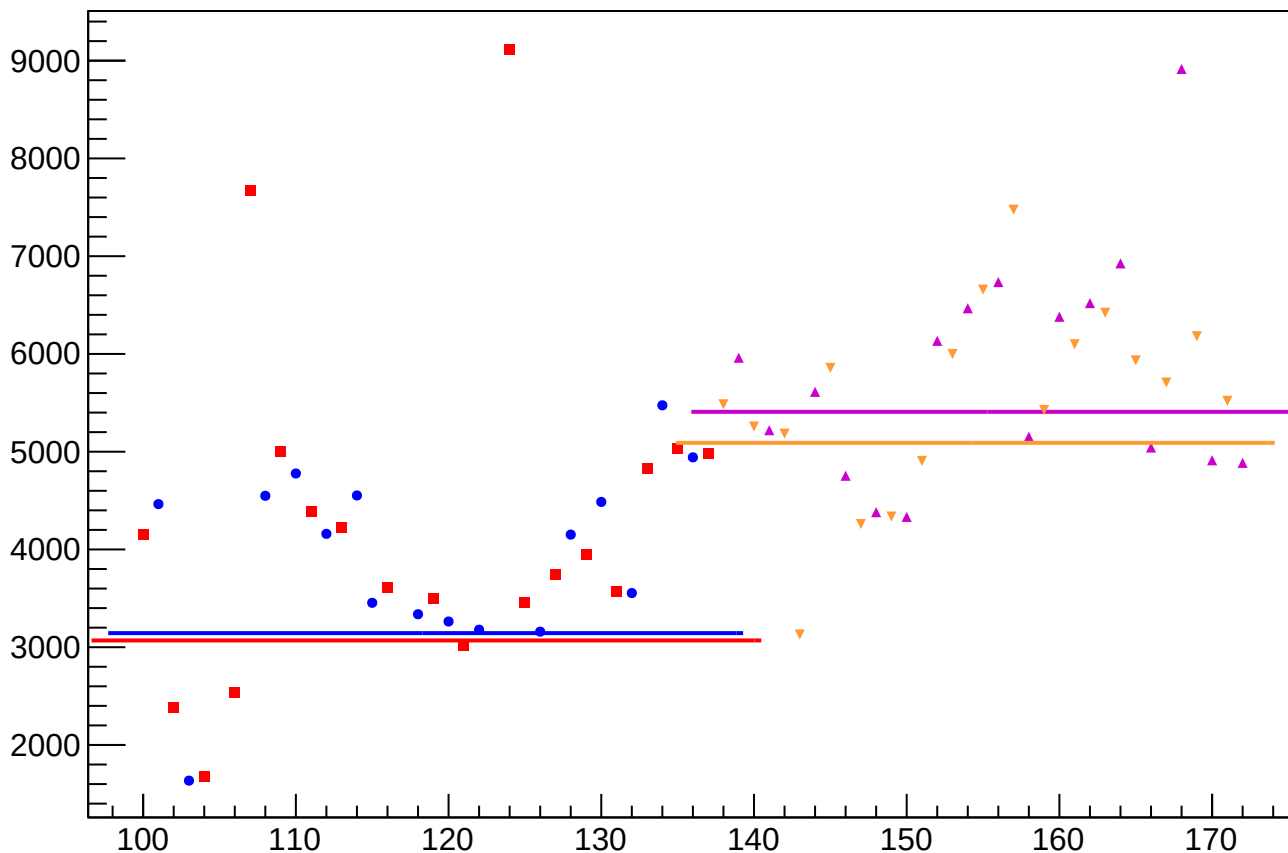
Left In: -1713.181 ± 1469.815 $\chi^2/\text{NDF}: 9.7/16$

+ sign 1614.038 ± 932.777 $\chi^2/\text{NDF}: 40.1/33$

All: 322.660 ± 665.044 $\chi^2/\text{NDF}: 78.7/69$

- sign -1012.468 ± 948.446 $\chi^2/\text{NDF}: 34.8/35$

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

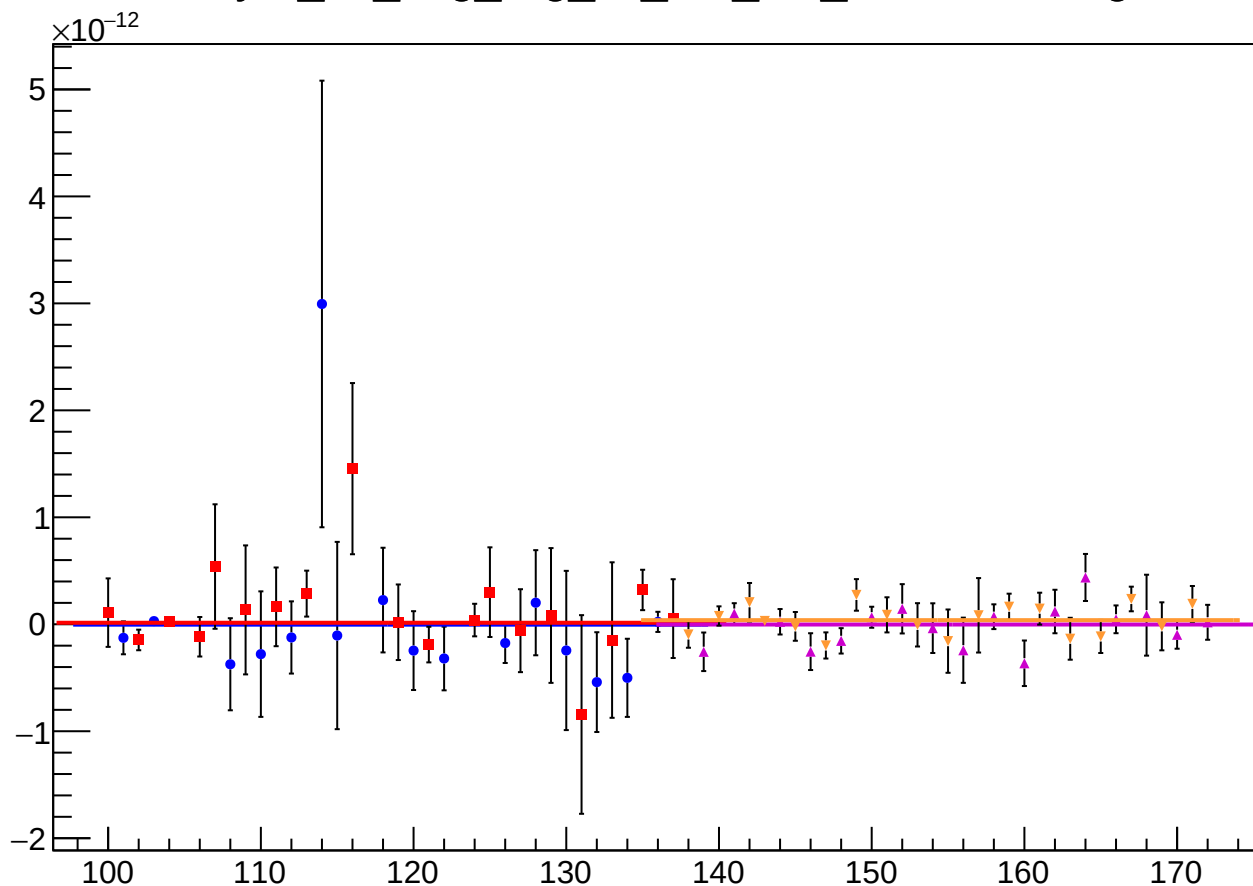
Left In: 5407.893+/-1.039 χ^2/NDF :844365.1/16

+ sign 4022.570+/-0.660 χ^2/NDF : 5352406.2/33

All: 4023.849+/-0.468 χ^2/NDF : 11072337.7/6

- sign 4025.146+/-0.664 χ^2/NDF : 5719923.9/35

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

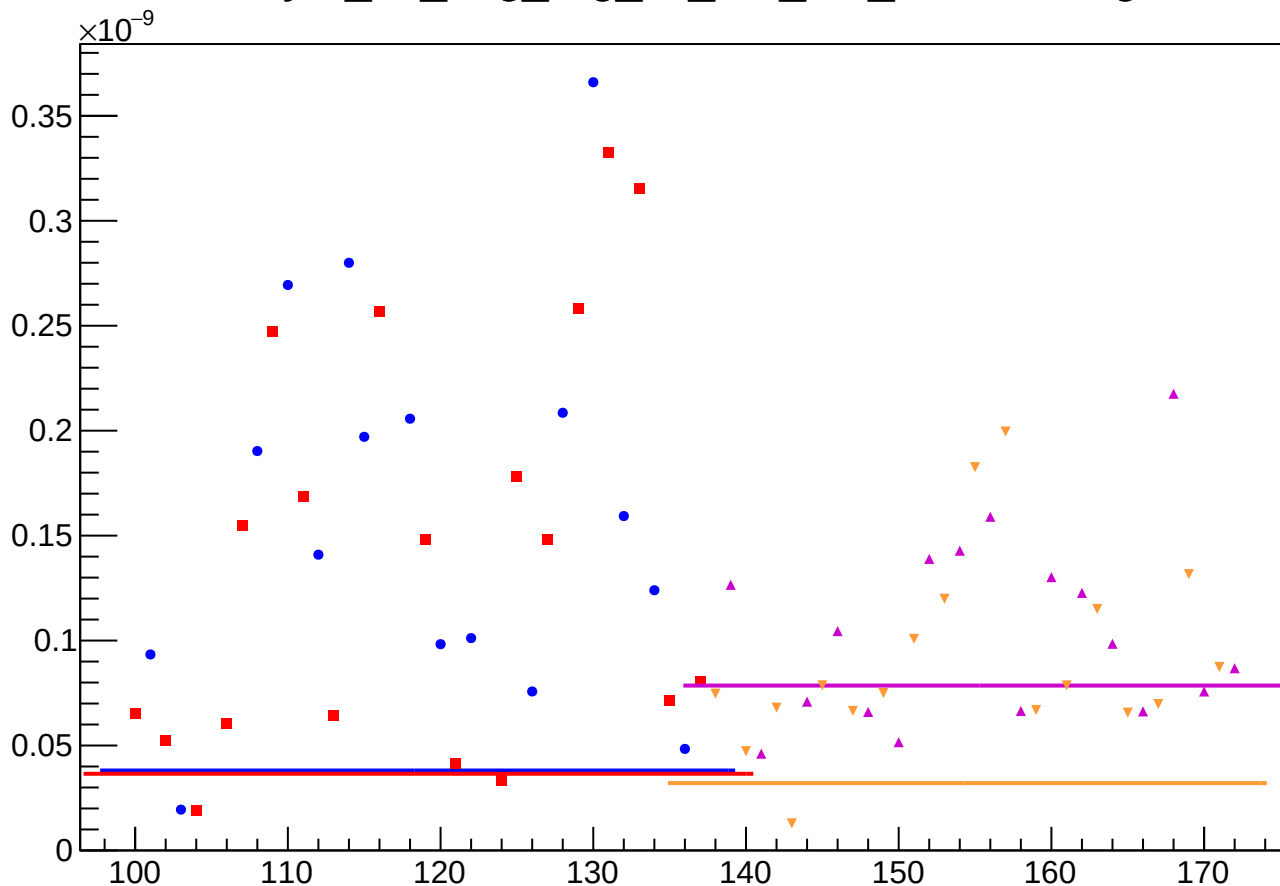
Left In: -0.000 ± 0.000 χ^2/NDF : 16.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 28.4/33

All: 0.000 ± 0.000 χ^2/NDF : 60.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 31.9/35

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 5632595.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2683451.3/18

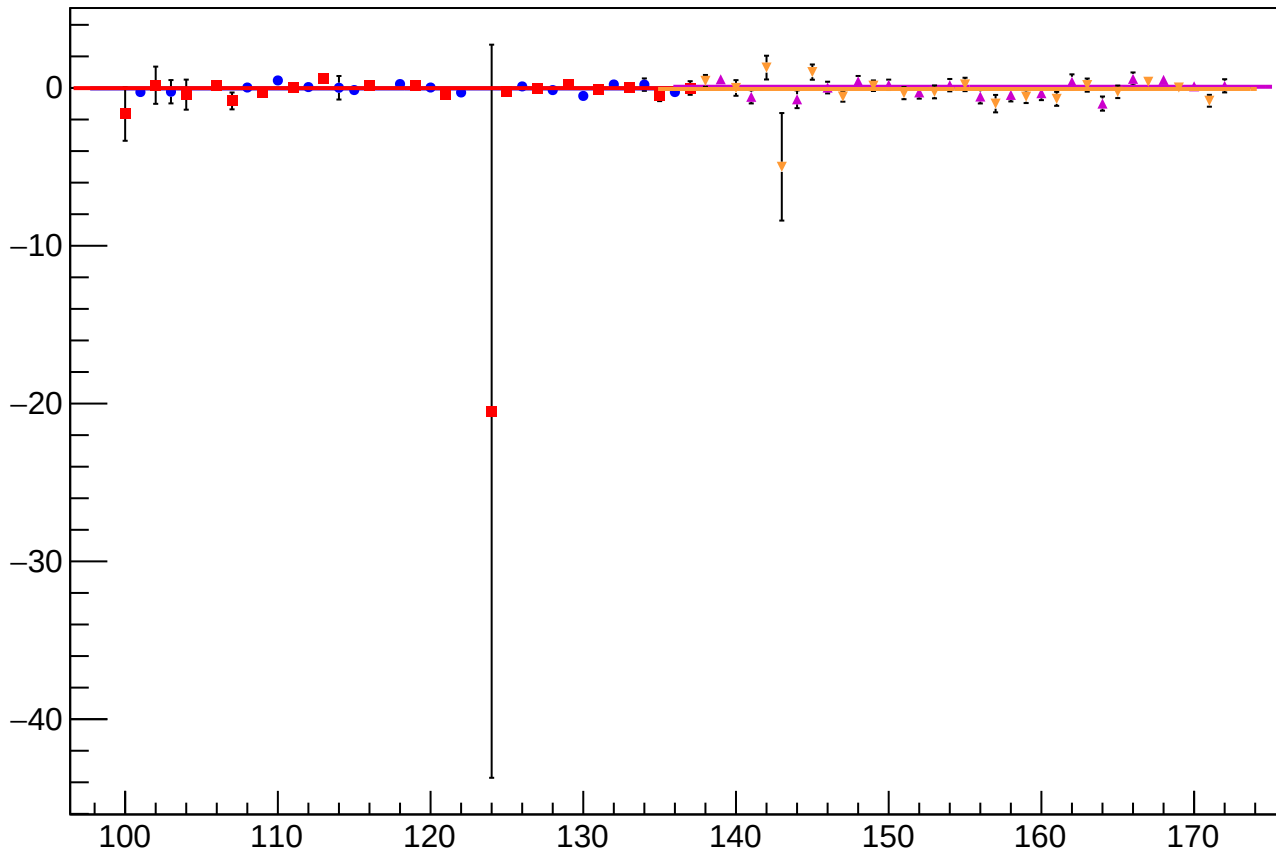
Left In: 0.000+/-0.000 χ^2/NDF : 1565521.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 8568106.0/33

All: 0.000+/-0.000 χ^2/NDF : 15404944.6/69

- sign 0.000+/-0.000 χ^2/NDF : 5744813.0/35

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

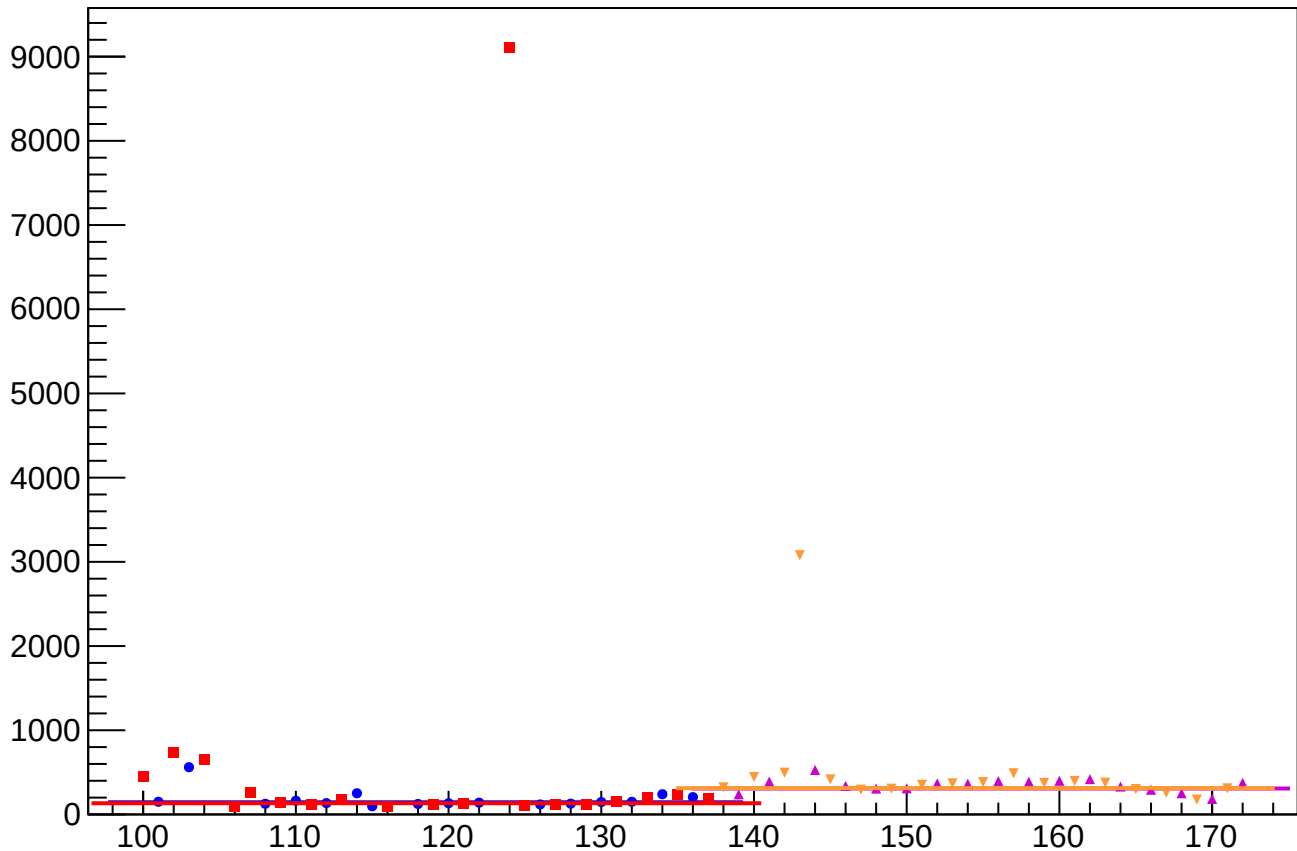
Left In: 0.076 ± 0.087 χ^2/NDF : 23.8/16

+ sign -0.039 ± 0.049 χ^2/NDF : 46.6/33

All: -0.011 ± 0.034 χ^2/NDF : 93.6/69

- sign 0.015 ± 0.047 χ^2/NDF : 46.3/35

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

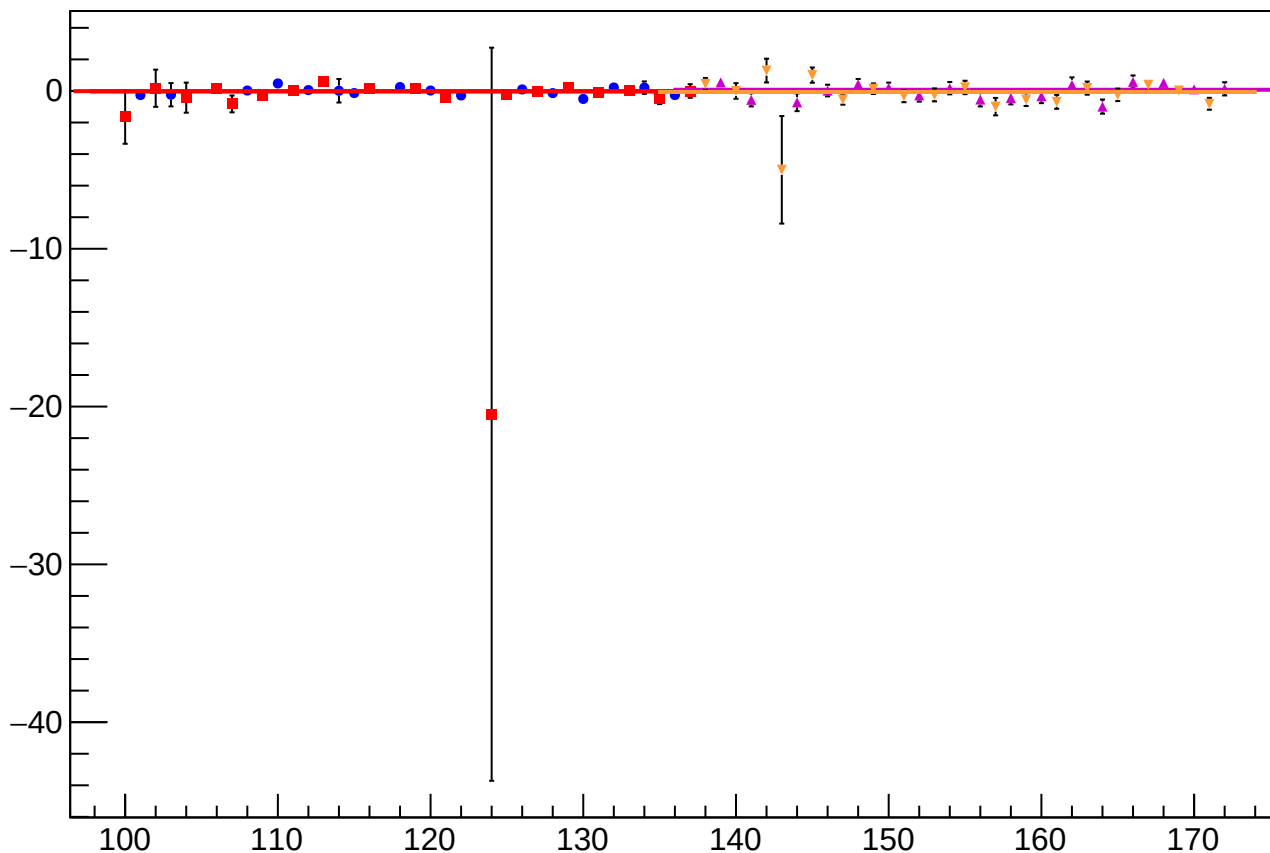
Left In: 308.197+/-0.061 χ^2/NDF : 1805386.4/16

+ sign 193.726+/-0.034 χ^2/NDF : 9264206.0/33

All: 189.539+/-0.024 χ^2/NDF : 19050867.0/69

- sign 185.569+/-0.033 χ^2/NDF : 9757731.2/35

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029 ± 0.058 χ^2/NDF : 17.2/15

Left Out: -0.065 ± 0.090 χ^2/NDF : 29.2/17

Right Out: -0.011 ± 0.057 χ^2/NDF : 21.8/18

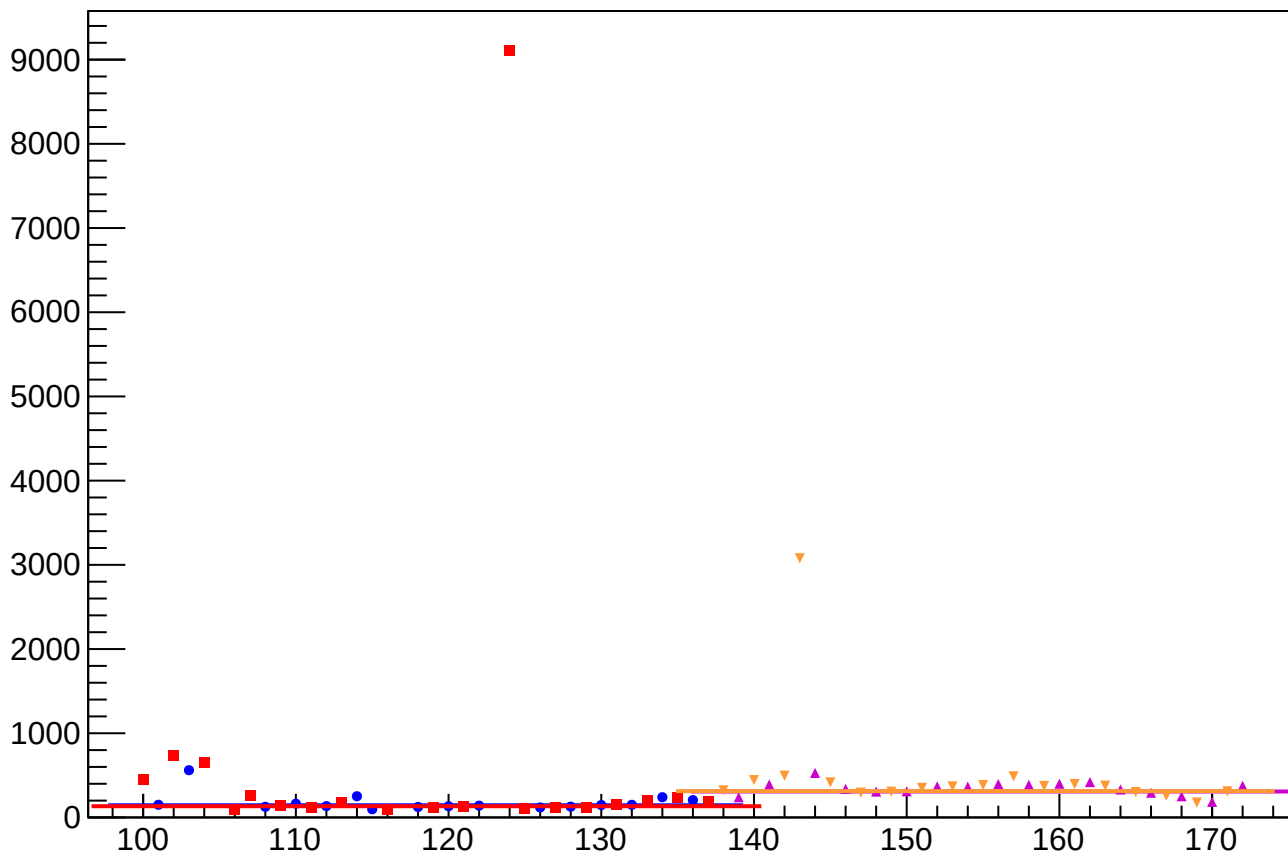
Left In: 0.076 ± 0.087 χ^2/NDF : 23.8/16

+ sign -0.039 ± 0.049 χ^2/NDF : 46.6/33

All: -0.011 ± 0.034 χ^2/NDF : 93.6/69

- sign 0.015 ± 0.047 χ^2/NDF : 46.3/35

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

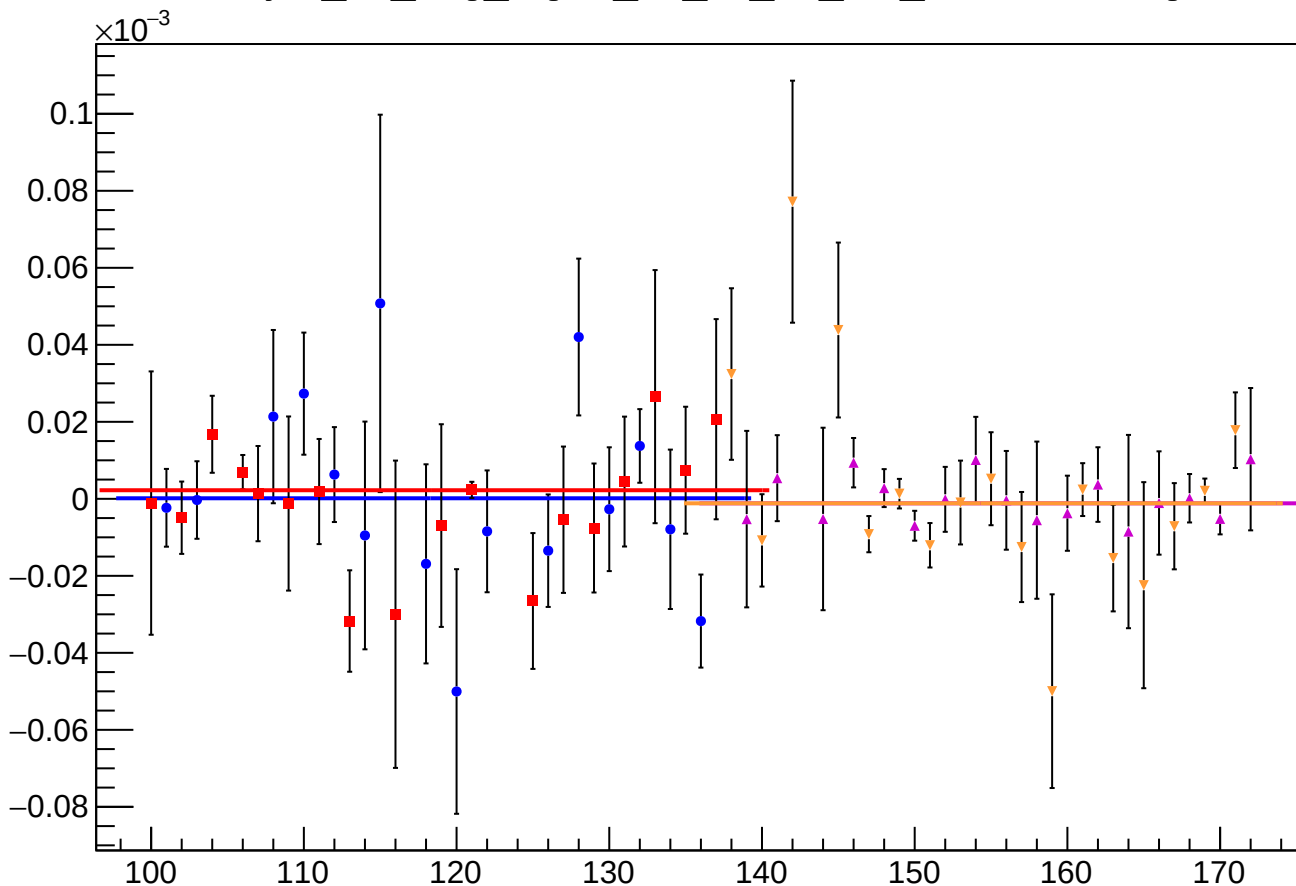
Left In: 308.197+/-0.061 χ^2/NDF : 1805386.4/16

+ sign 193.726+/-0.034 χ^2/NDF : 9264206.0/33

All: 189.539+/-0.024 χ^2/NDF : 19050867.0/69

- sign 185.569+/-0.033 χ^2/NDF : 9757731.2/35

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 22.8/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.6/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.6/17

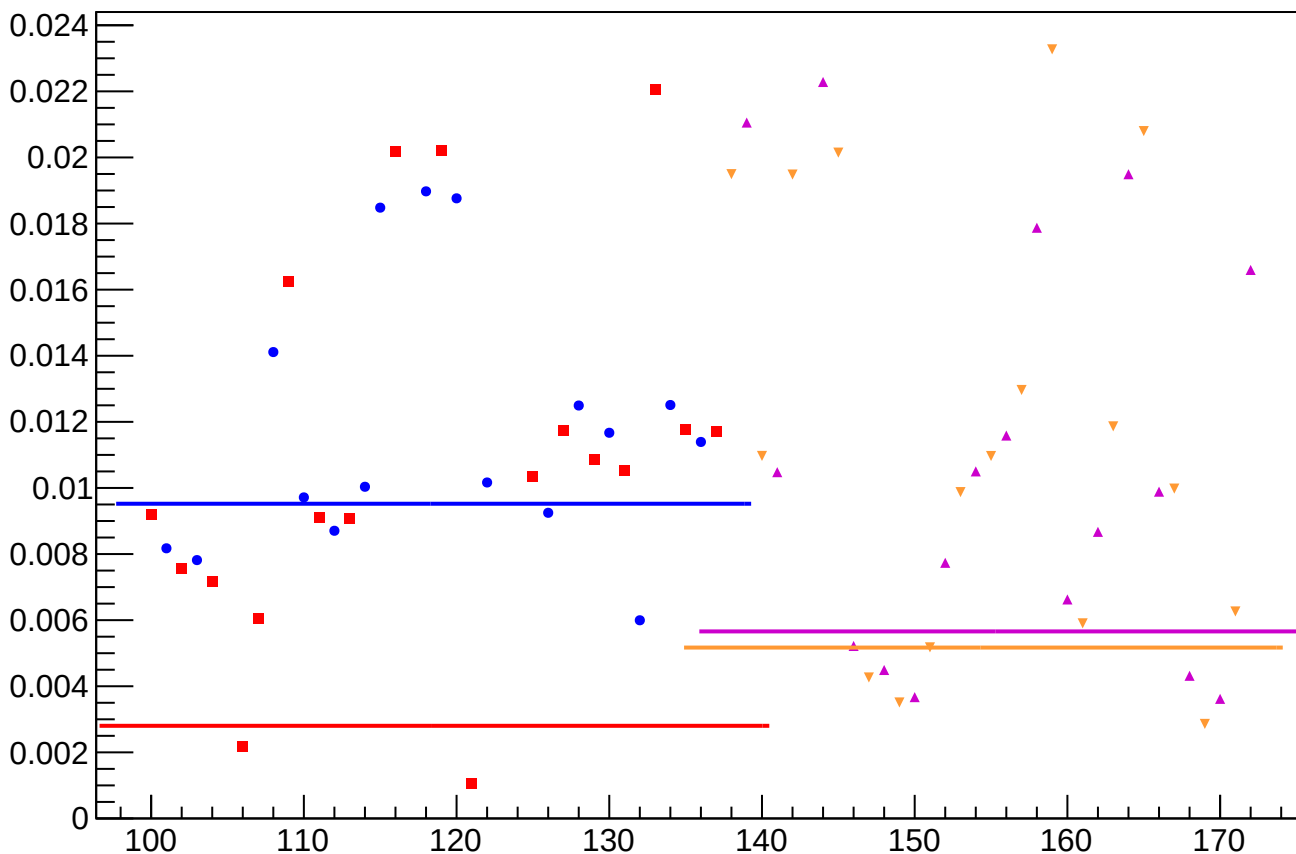
Left In: -0.000 ± 0.000 χ^2/NDF : 8.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 54.5/32

All: 0.000 ± 0.000 χ^2/NDF : 81.5/67

- sign 0.000 ± 0.000 χ^2/NDF : 26.3/34

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1132946.4/15

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 8106773.7/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8568874.3/17

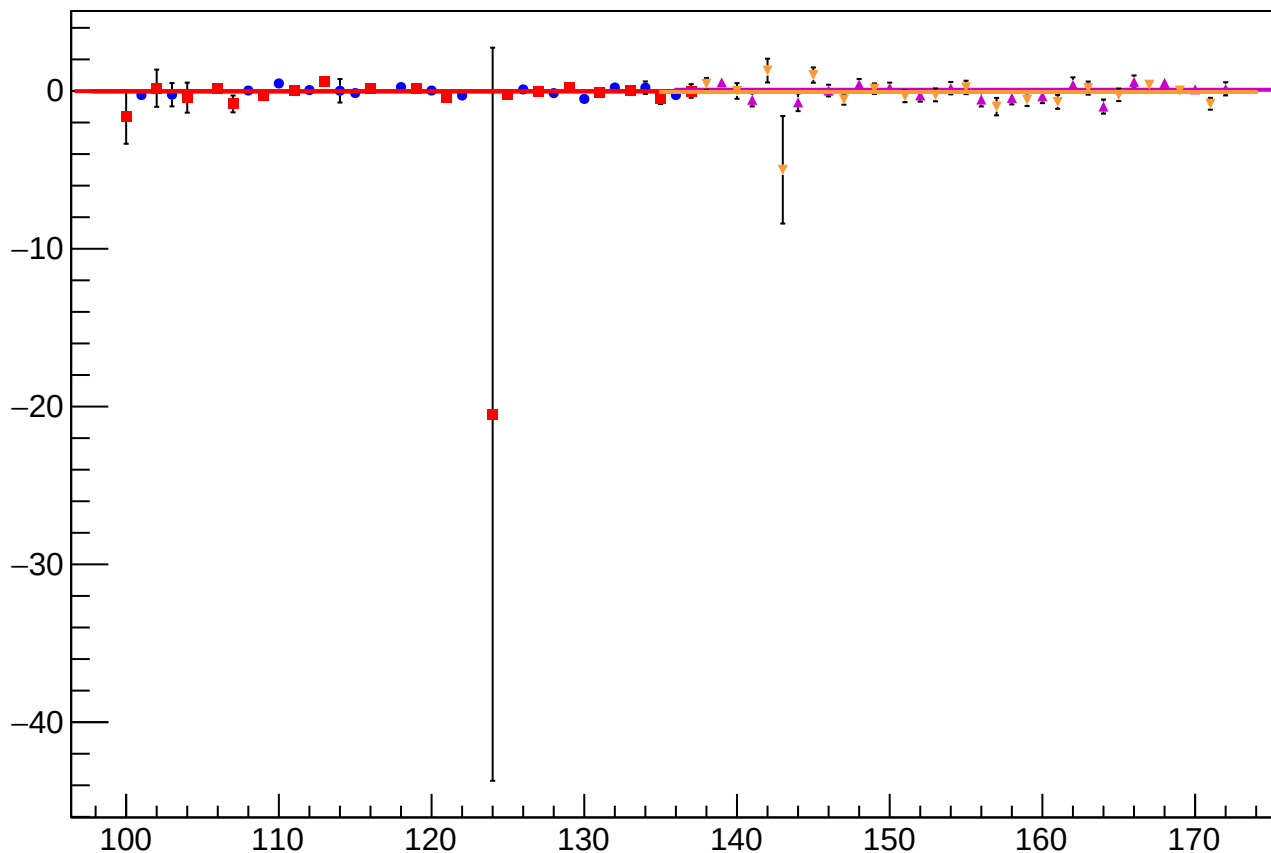
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 6867981.9/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 11450509.8/32

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 31071744.7/67

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 17994290.7/34

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

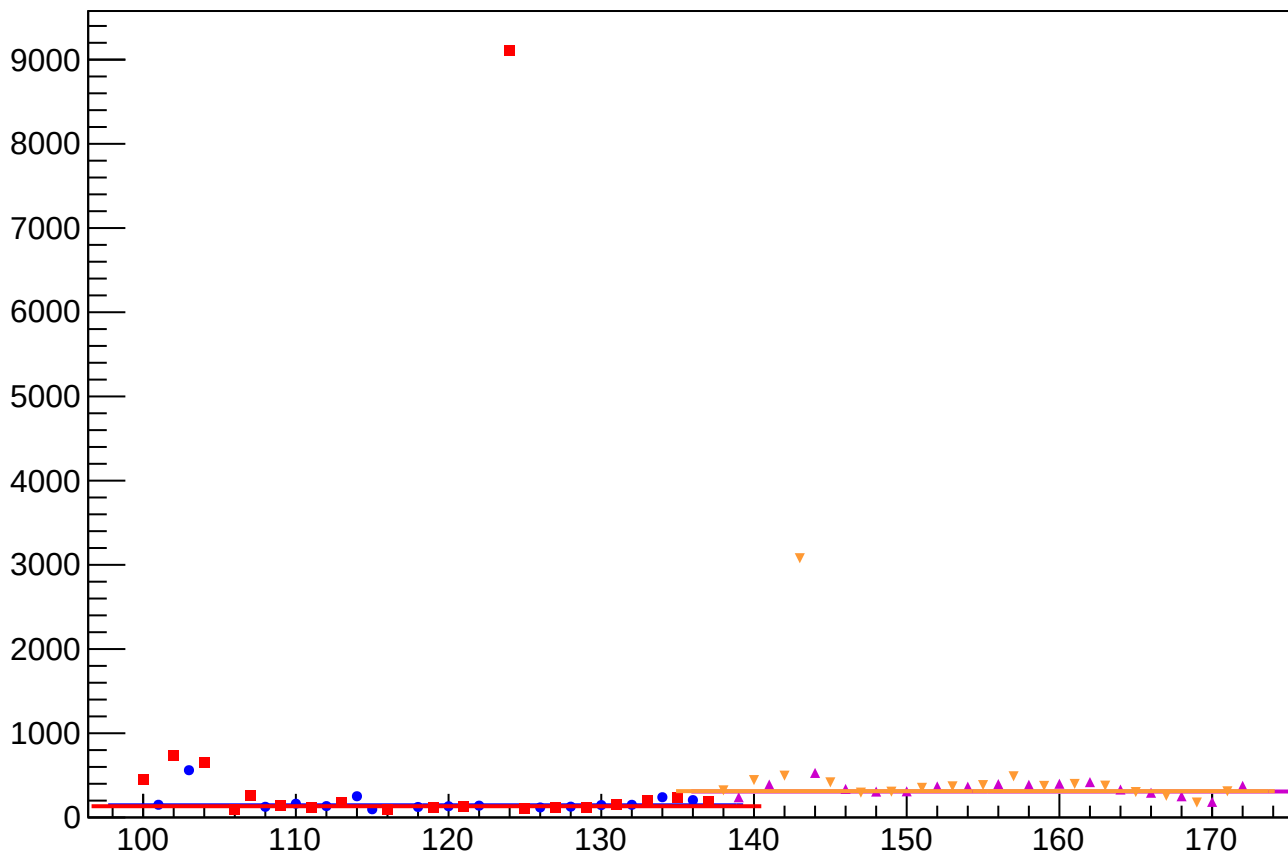
Left In: 0.076 ± 0.087 χ^2/NDF : 23.8/16

+ sign -0.039 ± 0.049 χ^2/NDF : 46.6/33

All: -0.011 ± 0.034 χ^2/NDF : 93.6/69

- sign 0.015 ± 0.047 χ^2/NDF : 46.3/35

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.289 $\pm$ 0.041 χ^2 /NDF: 1128804.3/15

Left Out: 312.443 $\pm$ 0.063 χ^2 /NDF:3163926.3/17

Right Out: 133.253 $\pm$ 0.040 χ^2 /NDF: 2220606.0/18

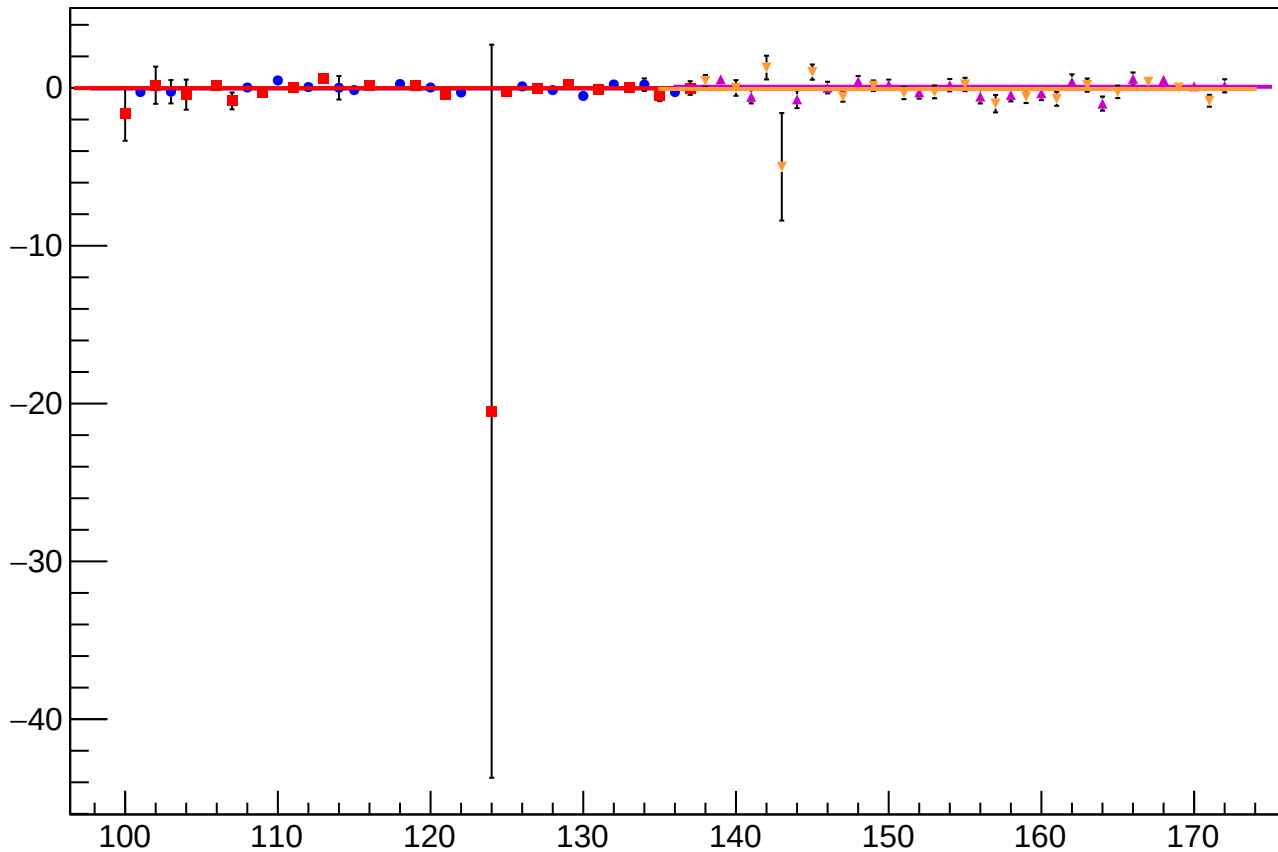
Left In: 308.201 $\pm$ 0.061 χ^2 /NDF:1805397.0/16

+ sign 193.724 $\pm$ 0.034 χ^2 /NDF: 9264518.4/33

All: 189.538 $\pm$ 0.024 χ^2 /NDF: 19051330.8/69

- sign 185.568 $\pm$ 0.033 χ^2 /NDF: 9757887.9/35

asym_atl_avg_eigen_dit_vs_eigen_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

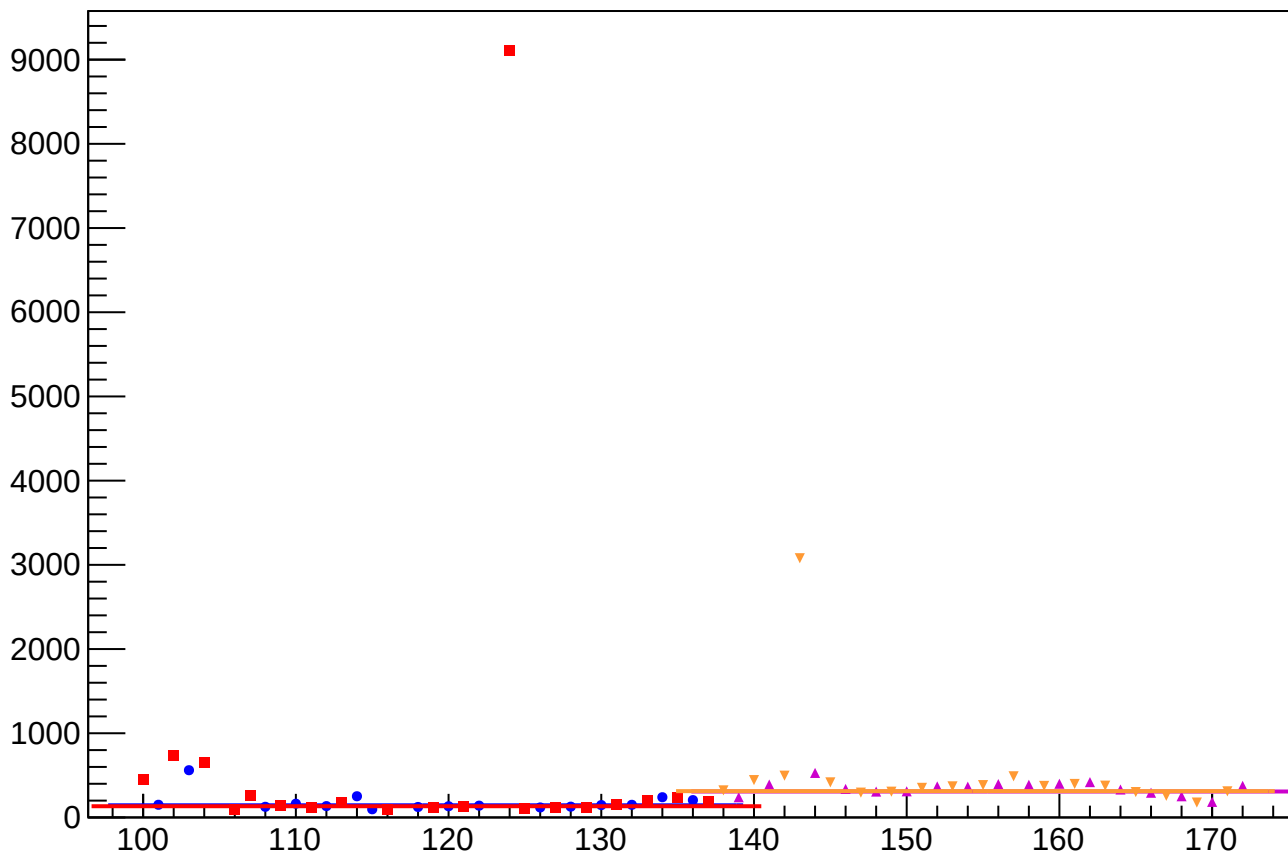
Left In: 0.076 ± 0.087 χ^2/NDF : 23.8/16

+ sign -0.039 ± 0.049 χ^2/NDF : 46.6/33

All: -0.011 ± 0.034 χ^2/NDF : 93.6/69

- sign 0.015 ± 0.047 χ^2/NDF : 46.3/35

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

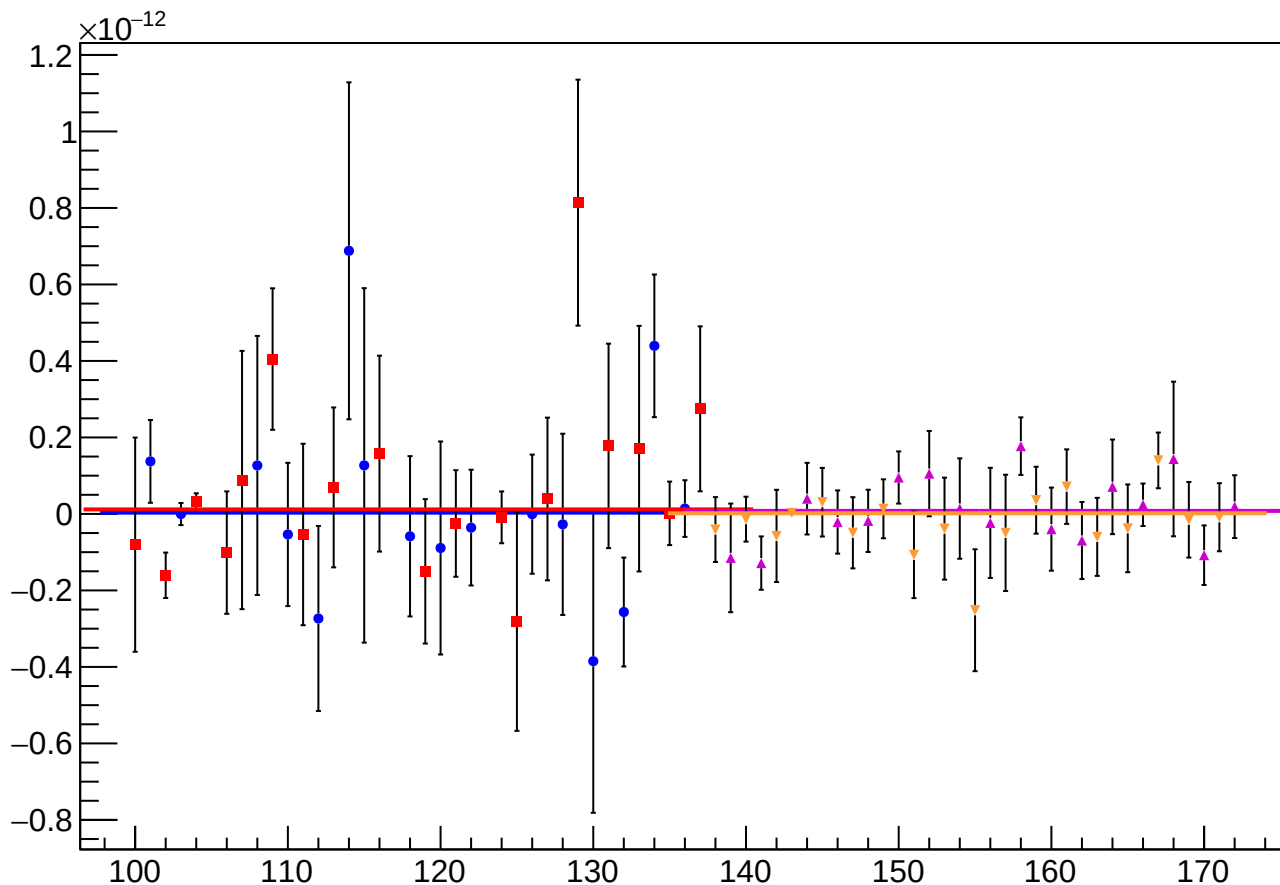
Left In: 308.201+/-0.061 χ^2/NDF : 1805397.0/16

+ sign 193.724+/-0.034 χ^2/NDF : 9264518.4/33

All: 189.538+/-0.024 χ^2/NDF : 19051330.8/69

- sign 185.568+/-0.033 χ^2/NDF : 9757887.9/35

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/18

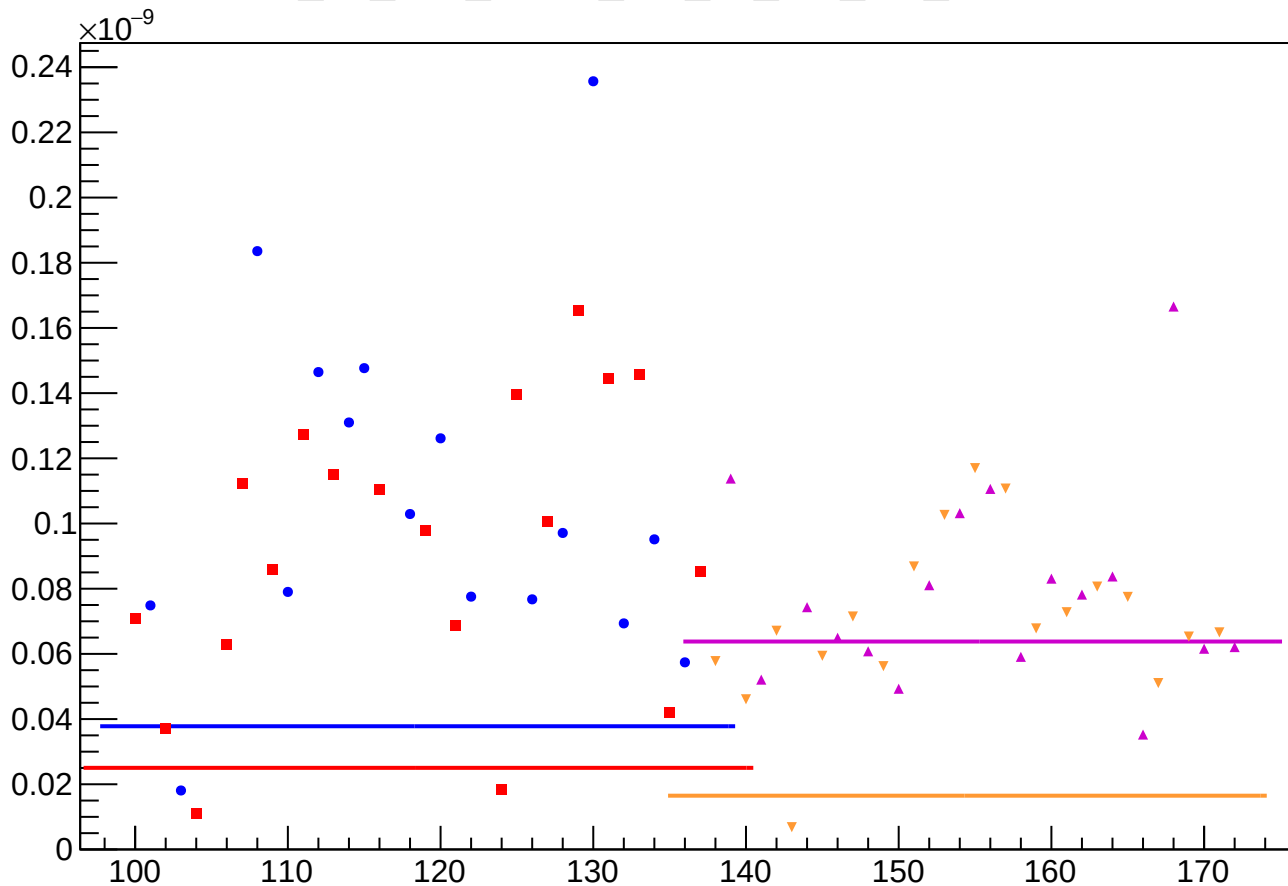
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.1/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.7/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.4/35

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

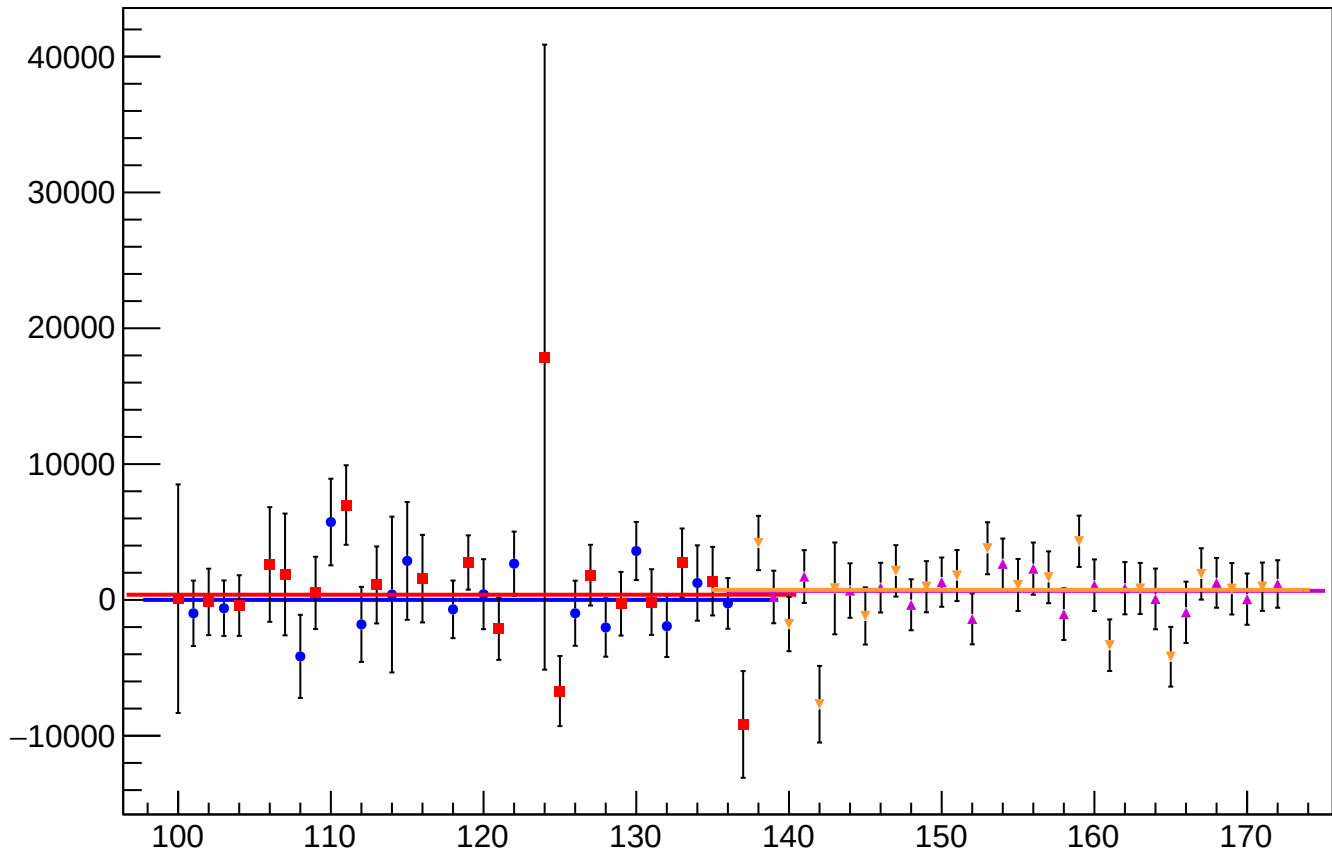
Left In: 0.000+/-0.000 χ^2/NDF : 2074019.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 17654123.3/33

All: 0.000+/-0.000 χ^2/NDF : 31819654.7/69

- sign 0.000+/-0.000 χ^2/NDF : 10493315.7/35

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

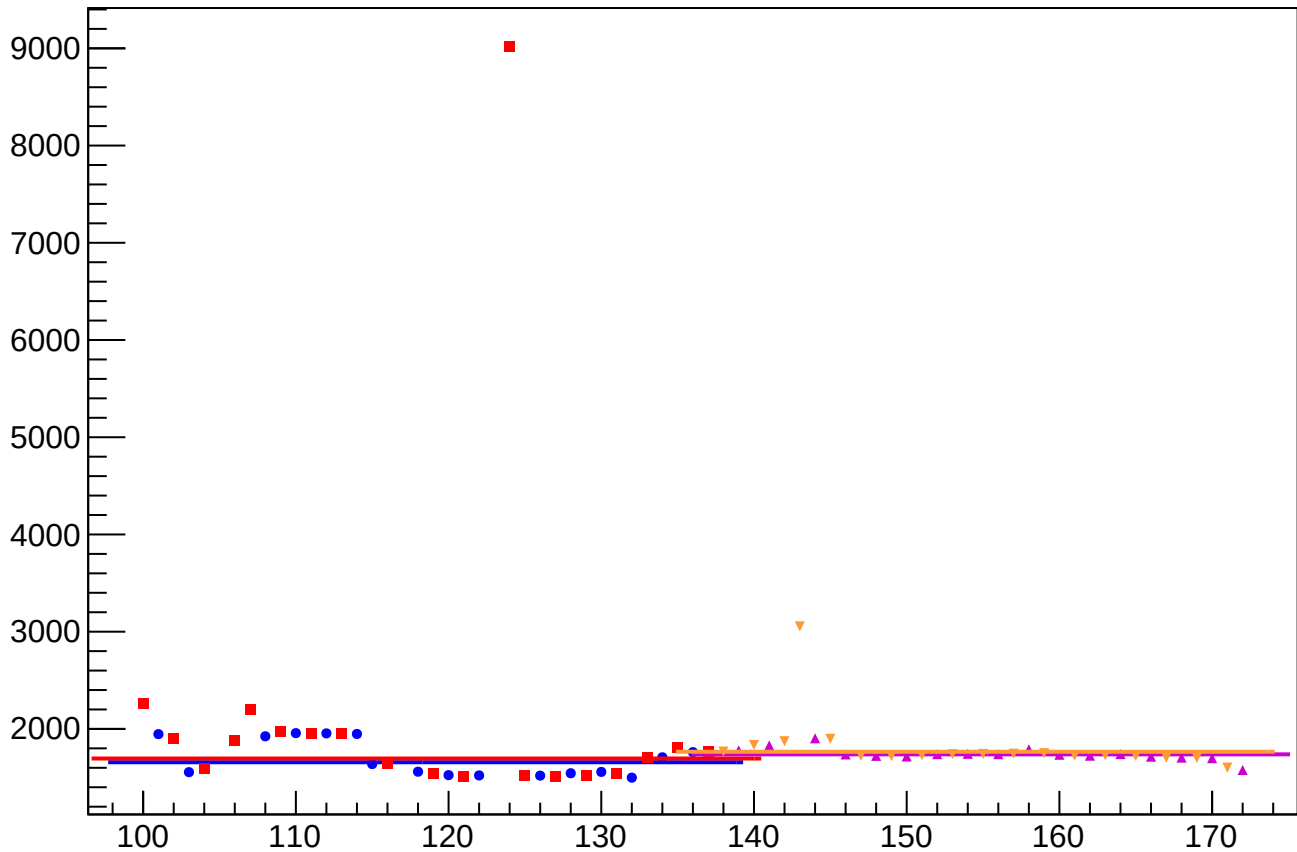
Left In: 669.415 ± 464.374 χ^2/NDF : 5.6/16

+ sign 471.773 ± 374.627 χ^2/NDF : 44.9/33

All: 520.874 ± 264.879 χ^2/NDF : 74.8/69

- sign 569.958 ± 374.565 χ^2/NDF : 29.8/35

reg_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.4/15

Left Out: 1765.151 $\pm$ 0.332 χ^2 /NDF: 331751.2/17

Right Out: 1695.649 $\pm$ 0.446 χ^2 /NDF: 386216.2/18

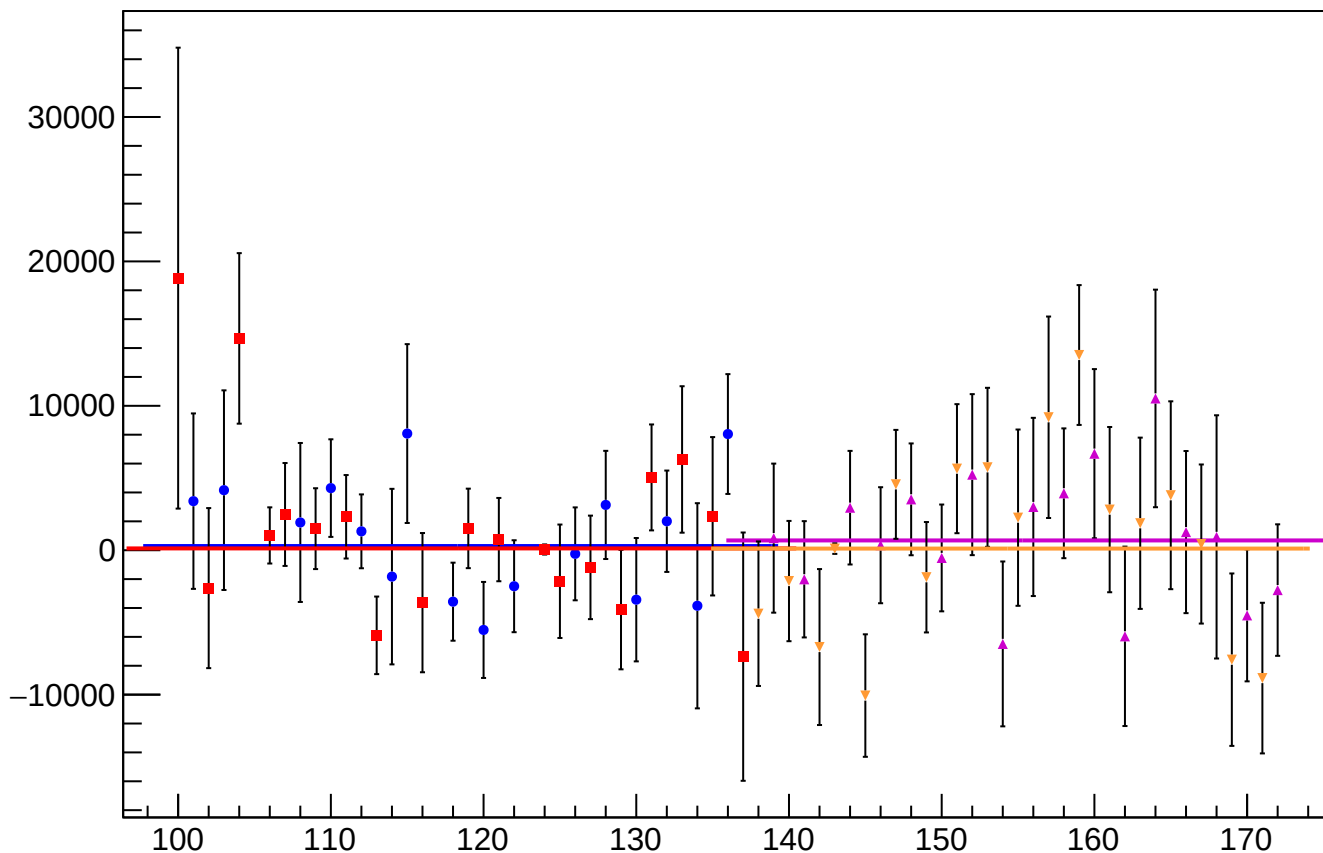
Left In: 1738.429 $\pm$ 0.328 χ^2 /NDF: 39546.3/16

+ sign 1725.696 $\pm$ 0.265 χ^2 /NDF: 514291.6/33

All: 1724.542 $\pm$ 0.187 χ^2 /NDF: 946058.3/69

- sign 1723.392 $\pm$ 0.264 χ^2 /NDF: 431728.8/35

asym_atl_dd_reg_correction_mean vs Slug



Right In: 289.262 $\pm$ 961.071 χ^2/NDF : 15.2/15

Left Out: 114.717 $\pm$ 348.748 χ^2/NDF : 27.4/17

Right Out: 125.586 $\pm$ 323.715 χ^2/NDF : 20.8/18

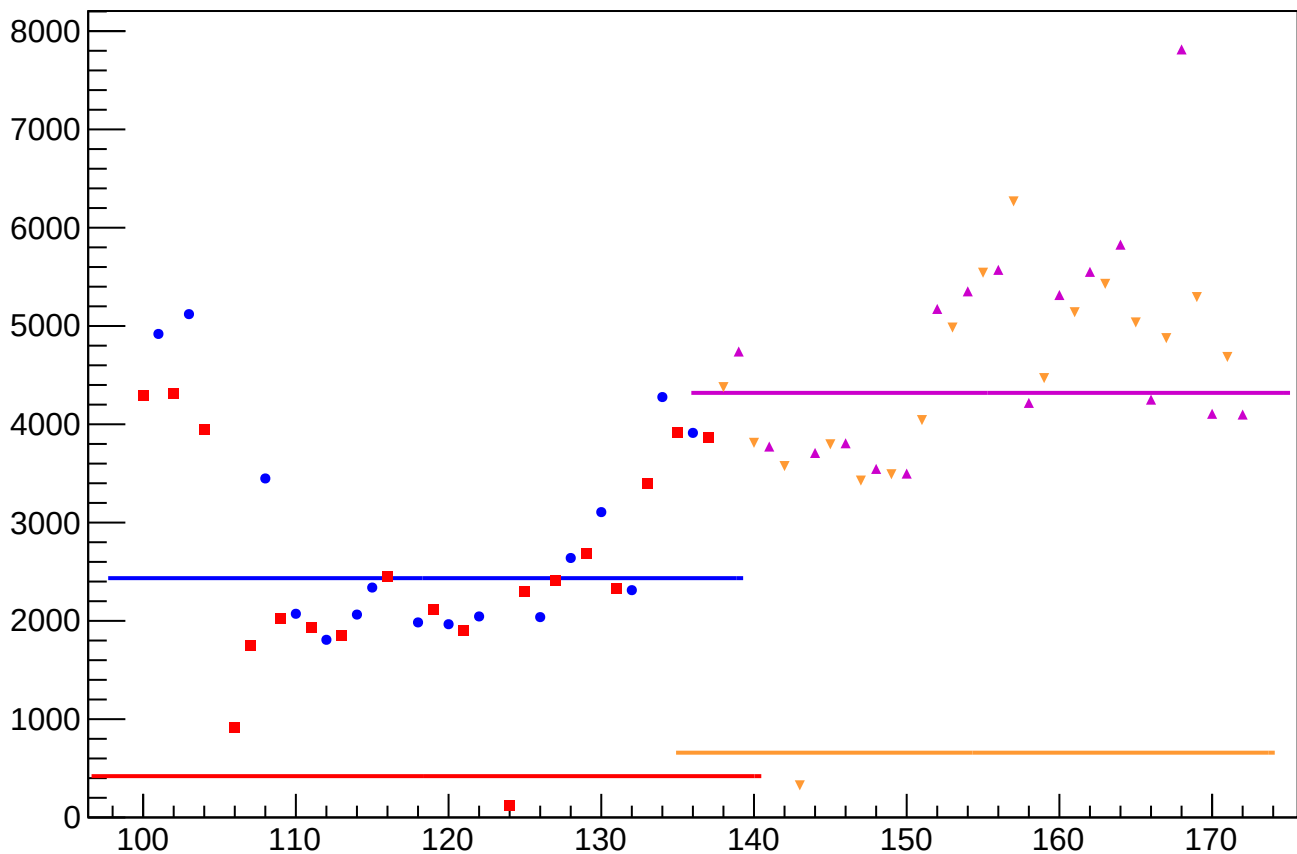
Left In: 678.640 $\pm$ 1179.336 χ^2/NDF : 10.1/16

+ sign 135.027 $\pm$ 327.831 χ^2/NDF : 42.7/33

All: 150.398 $\pm$ 226.071 χ^2/NDF : 73.9/69

- sign 164.336 $\pm$ 312.168 χ^2/NDF : 31.2/35

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2434.593 $\pm$ 0.680 χ^2 /NDF: 1457721.5/15

Left Out: 659.039 $\pm$ 0.247 χ^2 /NDF: 20959576.7/17

Right Out: 420.292 $\pm$ 0.229 χ^2 /NDF: 11063973.9/18

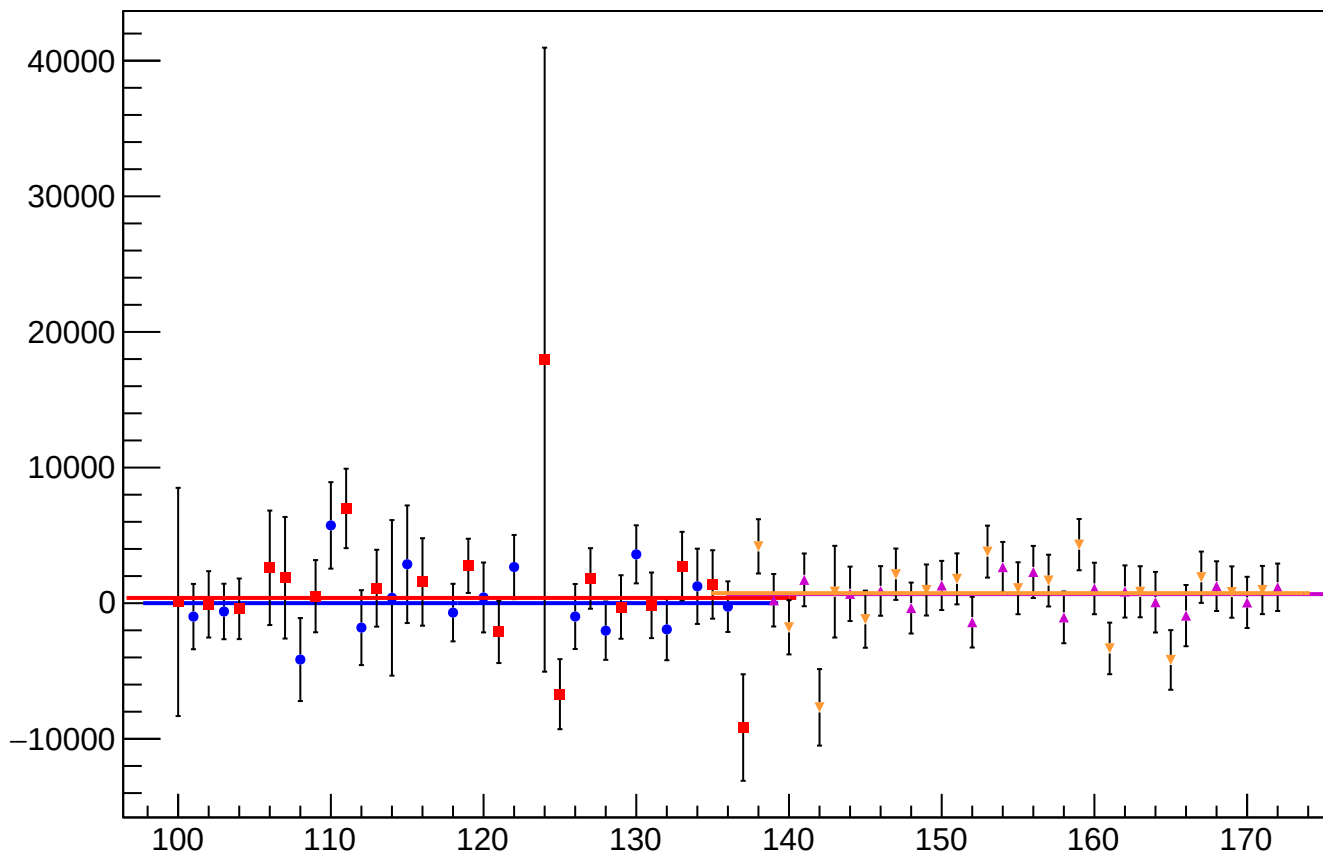
Left In: 4319.612 $\pm$ 0.834 χ^2 /NDF: 1075281.7/16

+ sign 865.635 $\pm$ 0.232 χ^2 /NDF: 28449340.2/33

All: 775.357 $\pm$ 0.160 χ^2 /NDF: 61210044.4/69

- sign 693.499 $\pm$ 0.221 χ^2 /NDF: 32471511.0/35

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

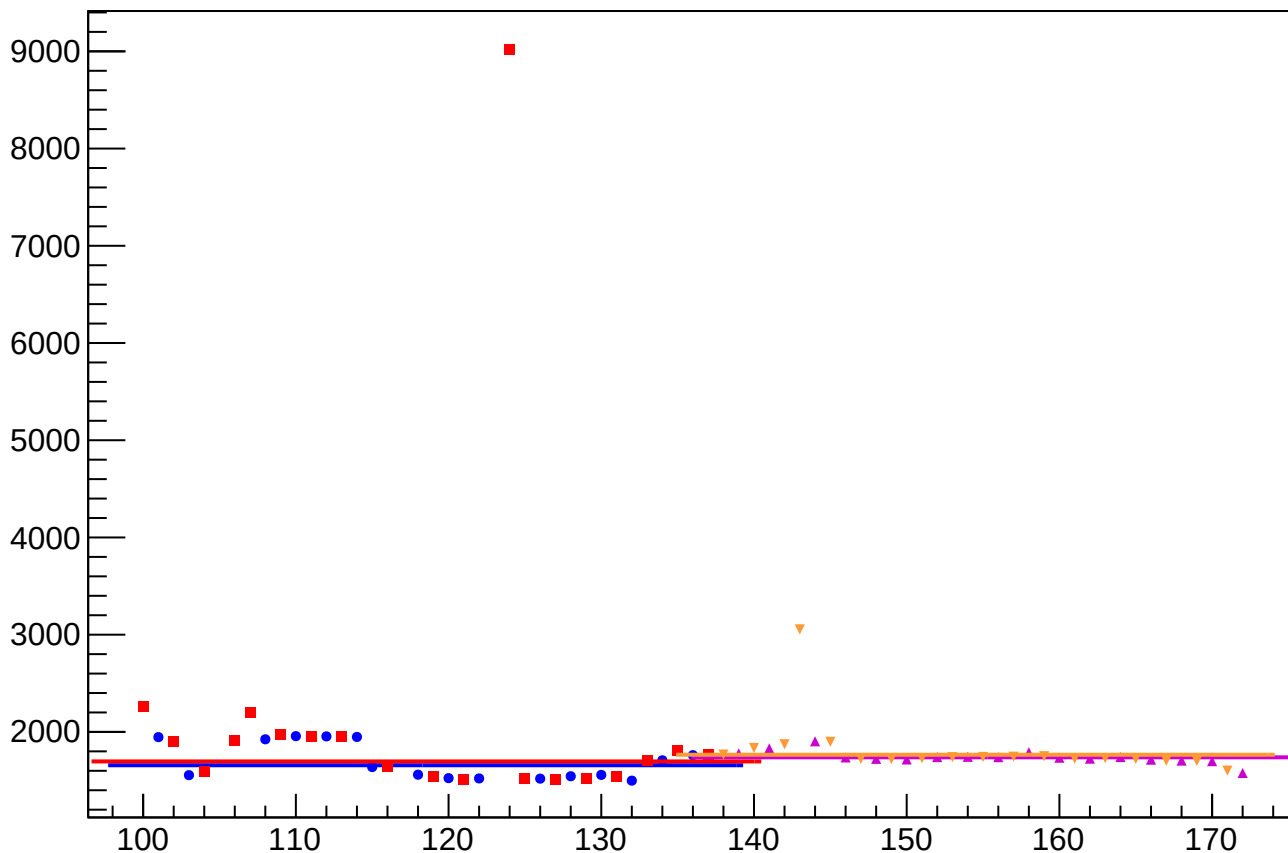
Left In: 669.438 ± 464.374 χ^2/NDF : 5.6/16

+ sign 471.725 ± 374.627 χ^2/NDF : 44.9/33

All: 521.608 ± 264.880 χ^2/NDF : 74.8/69

- sign 571.476 ± 374.566 χ^2/NDF : 29.8/35

cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2 /NDF: 143982.5/15

Left Out: 1765.151 $\pm$ 0.332 χ^2 /NDF: 331751.2/17

Right Out: 1696.442 $\pm$ 0.446 χ^2 /NDF: 387974.4/18

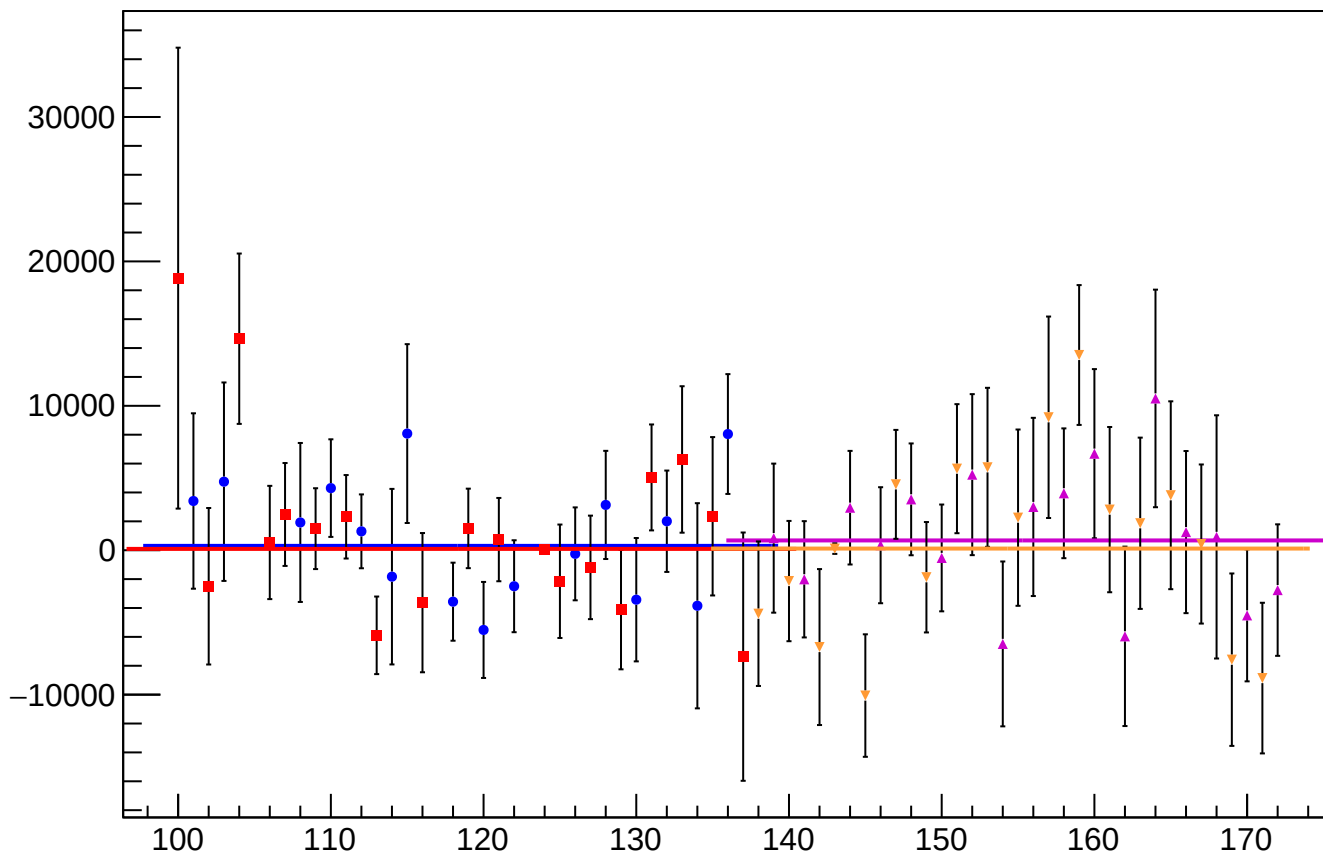
Left In: 1738.429 $\pm$ 0.328 χ^2 /NDF: 39546.3/16

+ sign 1725.696 $\pm$ 0.265 χ^2 /NDF: 514291.8/33

All: 1724.687 $\pm$ 0.187 χ^2 /NDF: 947584.9/69

- sign 1723.680 $\pm$ 0.264 χ^2 /NDF: 433264.1/35

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

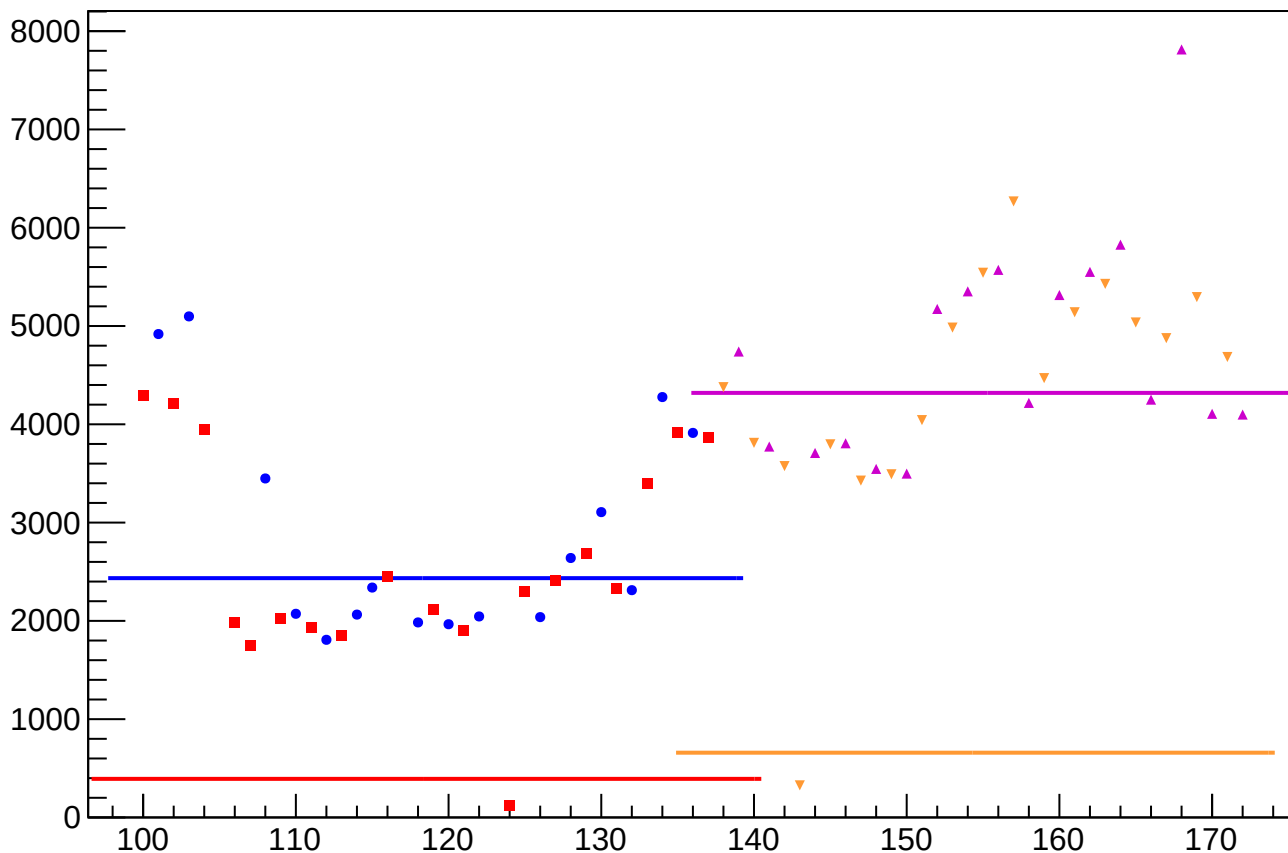
Left In: 678.649 ± 1179.334 χ^2/NDF : 10.1/16

+ sign 136.878 ± 327.805 χ^2/NDF : 42.8/33

All: 133.978 ± 223.300 χ^2/NDF : 73.8/69

- sign 131.468 ± 305.014 χ^2/NDF : 31.0/35

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

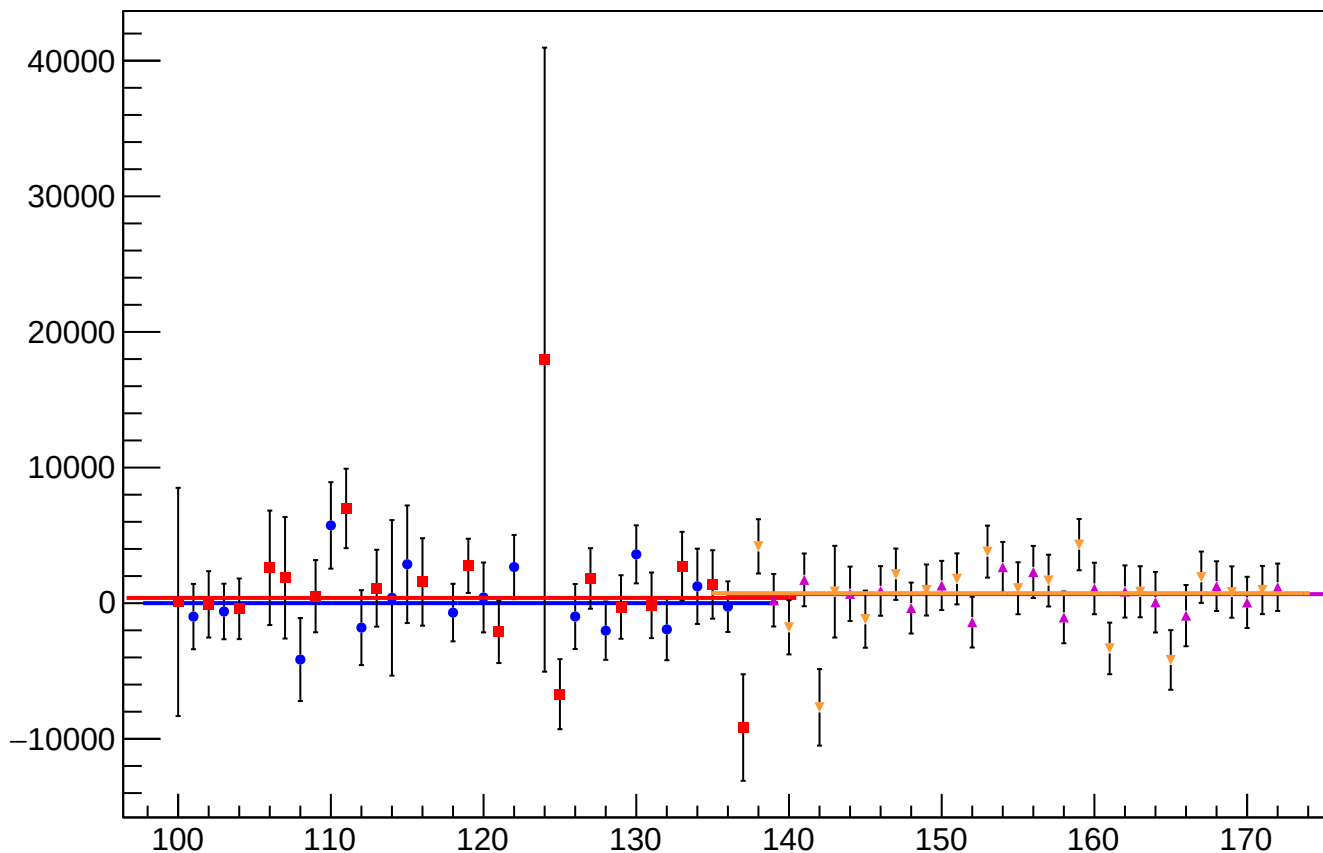
Left In: 4319.609+/-0.834 χ^2/NDF : 1075273.3/16

+ sign 865.607+/-0.232 χ^2/NDF : 28451237.8/33

All: 752.911+/-0.158 χ^2/NDF : 62067337.6/69

- sign 655.341+/-0.216 χ^2/NDF : 33175062.4/35

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

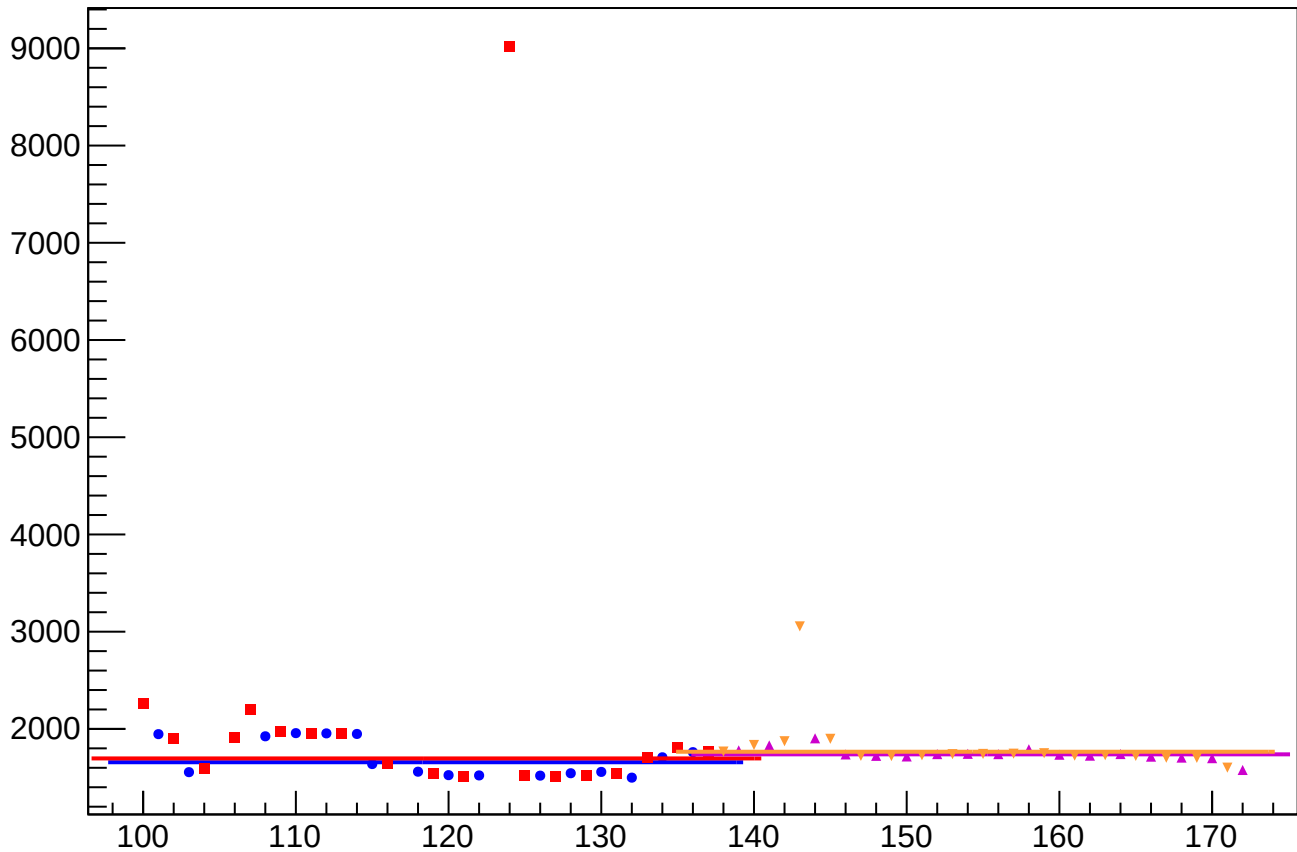
Left In: 669.438 ± 464.374 χ^2/NDF : 5.6/16

+ sign 471.725 ± 374.627 χ^2/NDF : 44.9/33

All: 521.608 ± 264.880 χ^2/NDF : 74.8/69

- sign 571.476 ± 374.566 χ^2/NDF : 29.8/35

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.119 $\pm$ 0.438 χ^2/NDF : 143982.5/15

Left Out: 1765.151 $\pm$ 0.332 χ^2/NDF : 331751.2/17

+ sign 1725.696 $\pm$ 0.265 χ^2/NDF : 514291.8/33

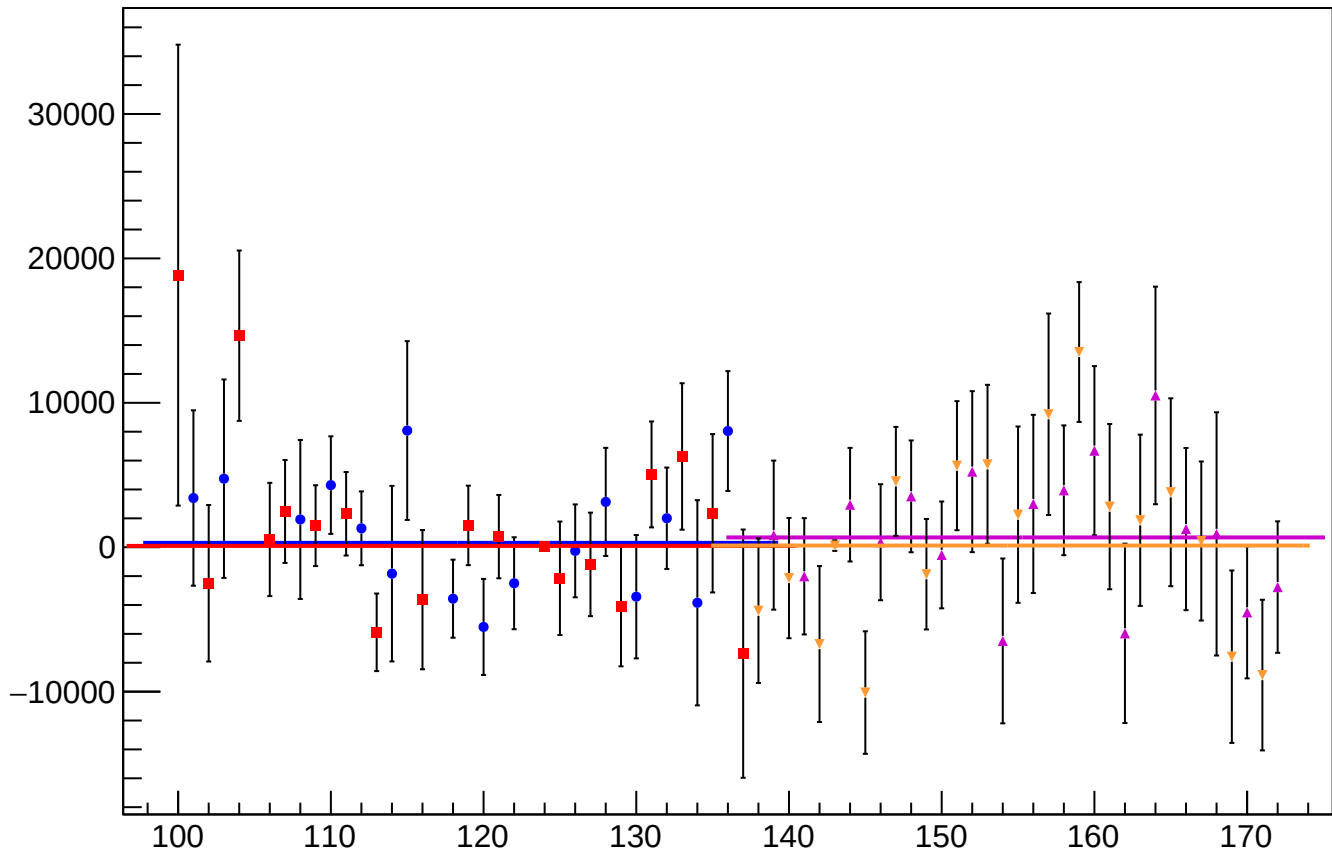
Right Out: 1696.442 $\pm$ 0.446 χ^2/NDF : 387974.4/18

All: 1724.687 $\pm$ 0.187 χ^2/NDF : 947584.9/69

Left In: 1738.429 $\pm$ 0.328 χ^2/NDF : 39546.3/16

- sign 1723.680 $\pm$ 0.264 χ^2/NDF : 433264.1/35

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 301.839 $\pm$ 960.952 χ^2 /NDF: 15.3/15

Left Out: 115.154 $\pm$ 348.722 χ^2 /NDF: 27.4/17

Right Out: 92.243 $\pm$ 315.757 χ^2 /NDF: 20.6/18

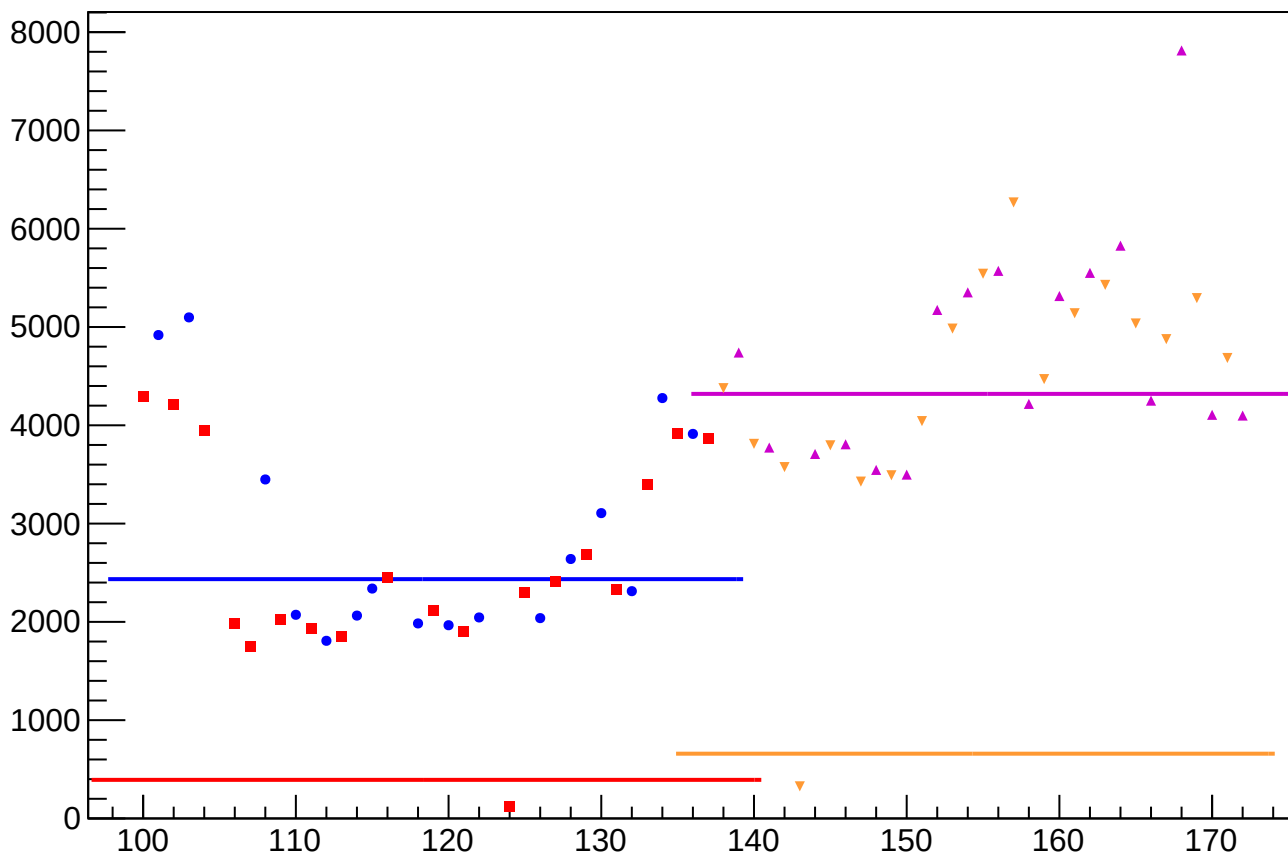
Left In: 678.649 $\pm$ 1179.334 χ^2 /NDF: 10.1/16

+ sign 136.878 $\pm$ 327.805 χ^2 /NDF: 42.8/33

All: 133.978 $\pm$ 223.300 χ^2 /NDF: 73.8/69

- sign 131.468 $\pm$ 305.014 χ^2 /NDF: 31.0/35

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

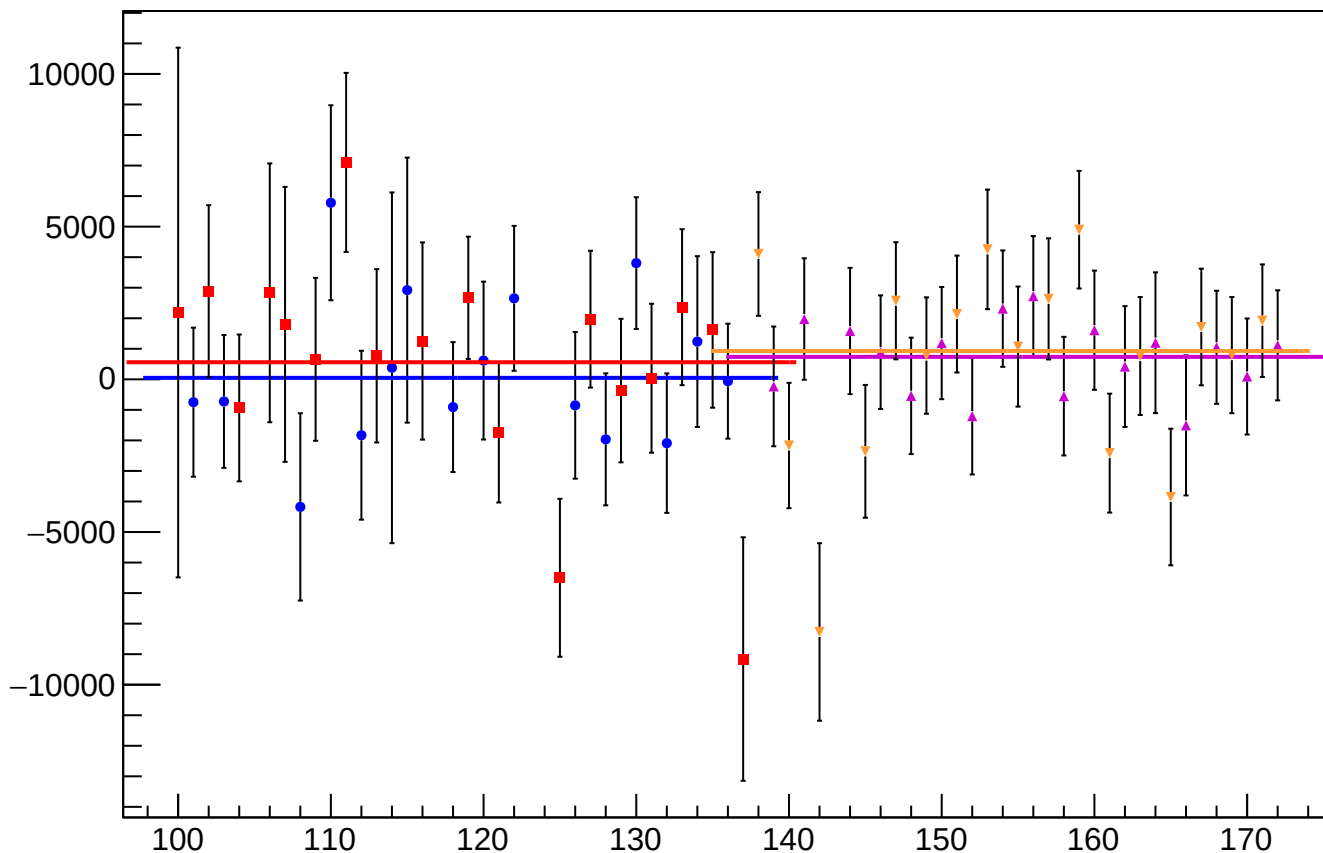
Left In: 4319.609+/-0.834 χ^2/NDF : 1075273.3/16

+ sign 865.607+/-0.232 χ^2/NDF : 28451237.8/33

All: 752.911+/-0.158 χ^2/NDF : 62067337.6/69

- sign 655.341+/-0.216 χ^2/NDF : 33175062.4/35

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

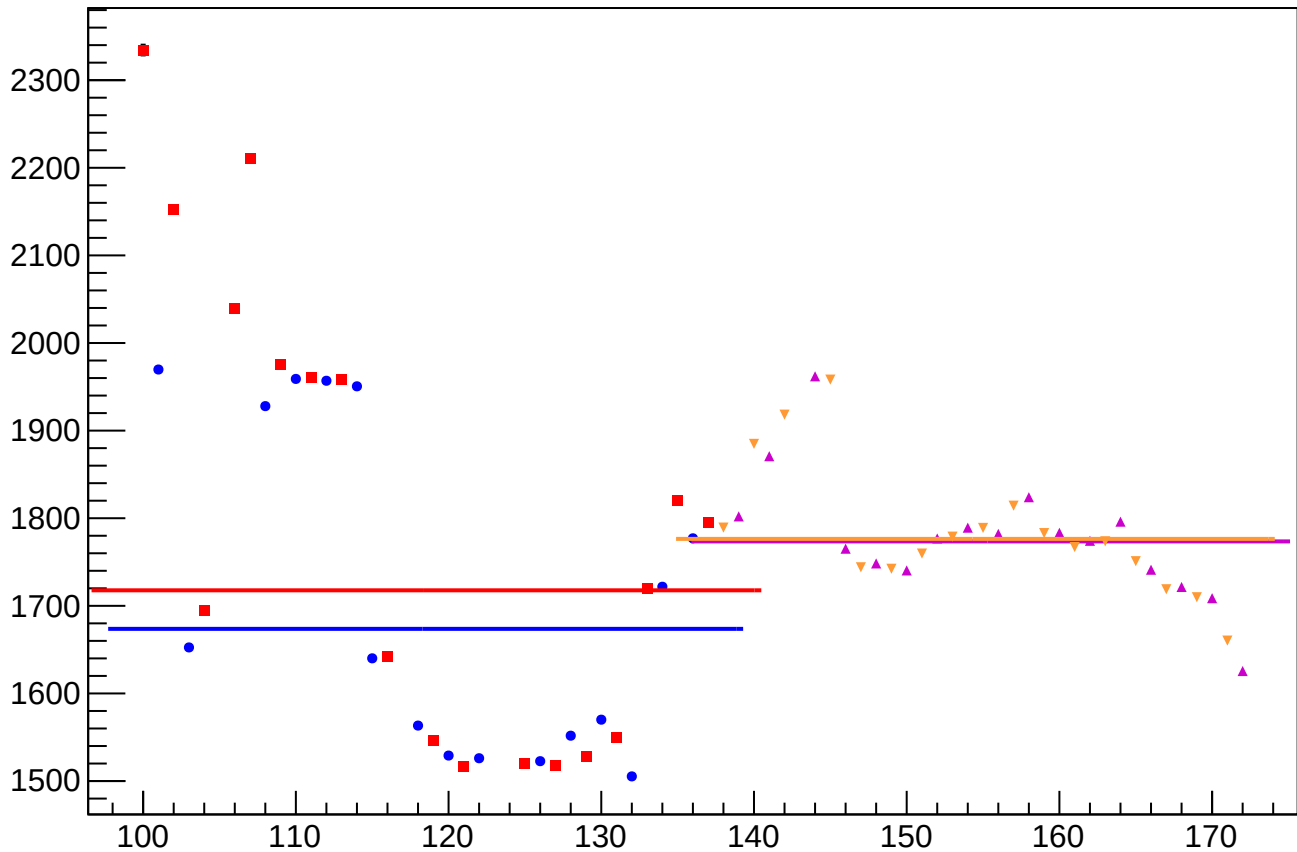
Left In: 735.429 ± 473.798 χ^2/NDF : 5.9/16

+ sign 596.860 ± 383.419 χ^2/NDF : 48.1/32

All: 635.502 ± 270.583 χ^2/NDF : 77.4/67

- sign 673.840 ± 381.908 χ^2/NDF : 29.2/34

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

+ sign 1737.917+/-0.271 χ^2/NDF : 213630.3/32

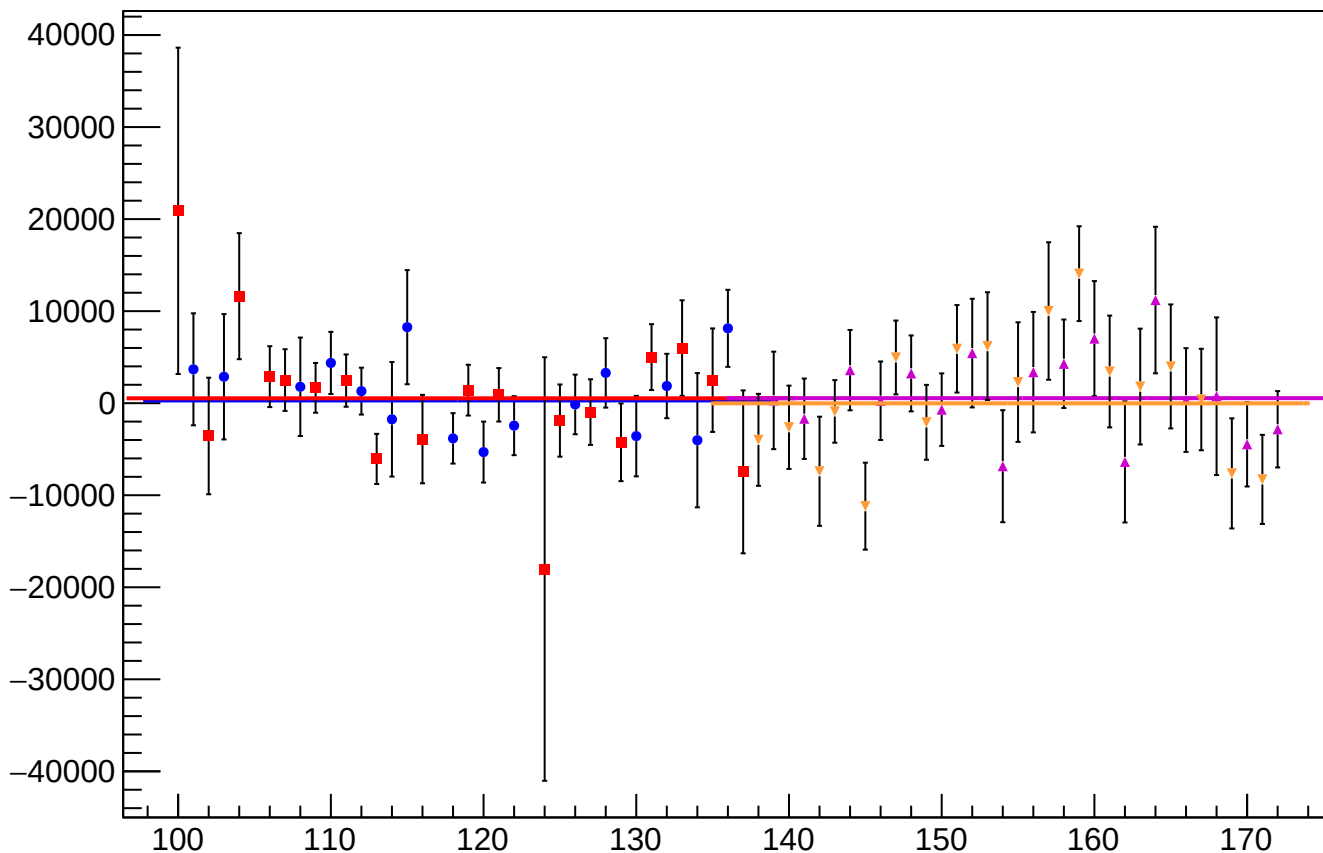
Right Out: 1717.713+/-0.455 χ^2/NDF : 227642.0/17

All: 1745.964+/-0.191 χ^2/NDF : 495188.0/67

Left In: 1773.552+/-0.335 χ^2/NDF : 42402.7/16

- sign 1753.935+/-0.270 χ^2/NDF : 279804.3/34

asym_atl_dd_dit_correction_mean vs Slug



Right In: 296.517 $\pm$ 964.677 χ^2 /NDF: 15.3/15

Left Out: -17.555 $\pm$ 1193.705 χ^2 /NDF:27.4/17

Right Out: 531.007 $\pm$ 883.969 χ^2 /NDF: 18.8/18

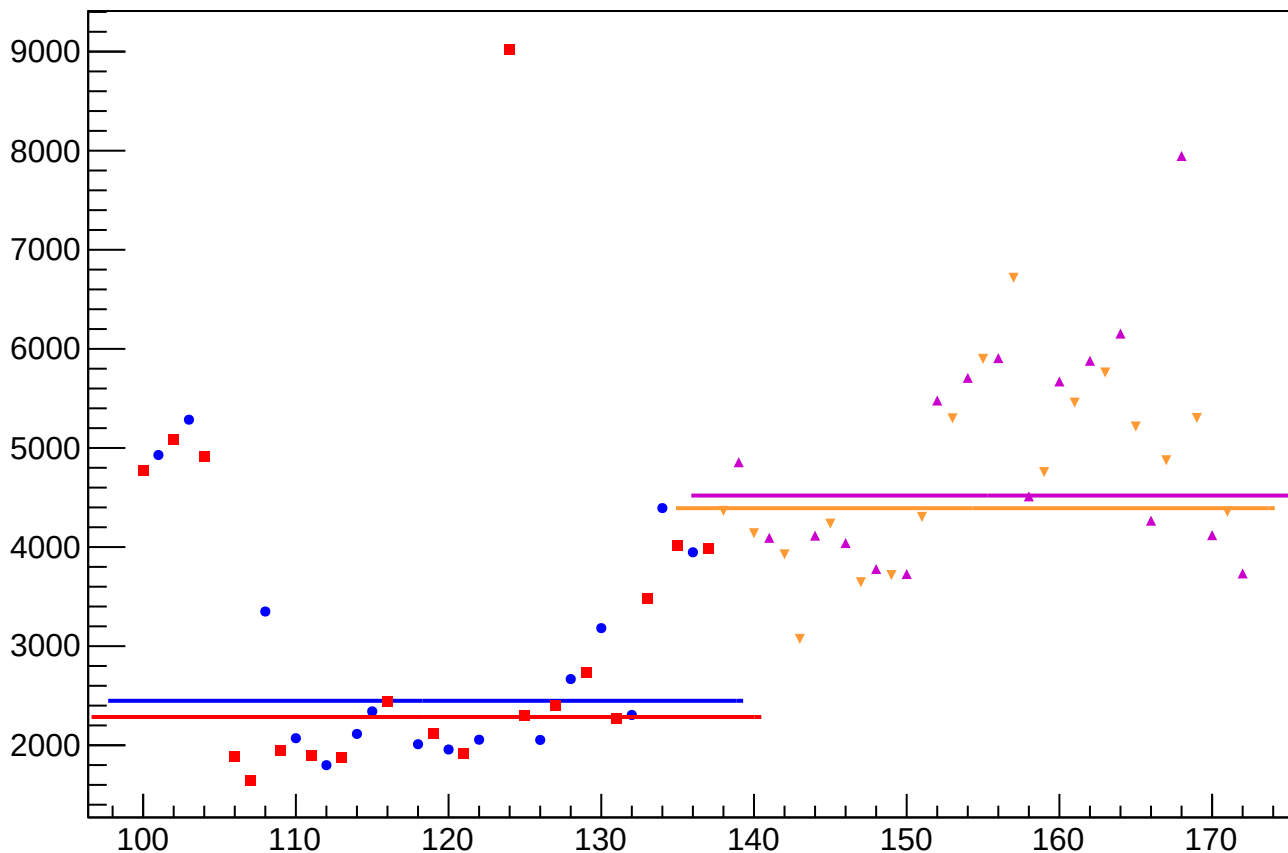
Left In: 545.995 $\pm$ 1234.417 χ^2 /NDF:10.1/16

+ sign 172.436 $\pm$ 750.299 χ^2 /NDF: 42.7/33

All: 362.081 $\pm$ 519.008 χ^2 /NDF: 71.6/69

- sign 536.088 $\pm$ 718.697 χ^2 /NDF: 28.8/35

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

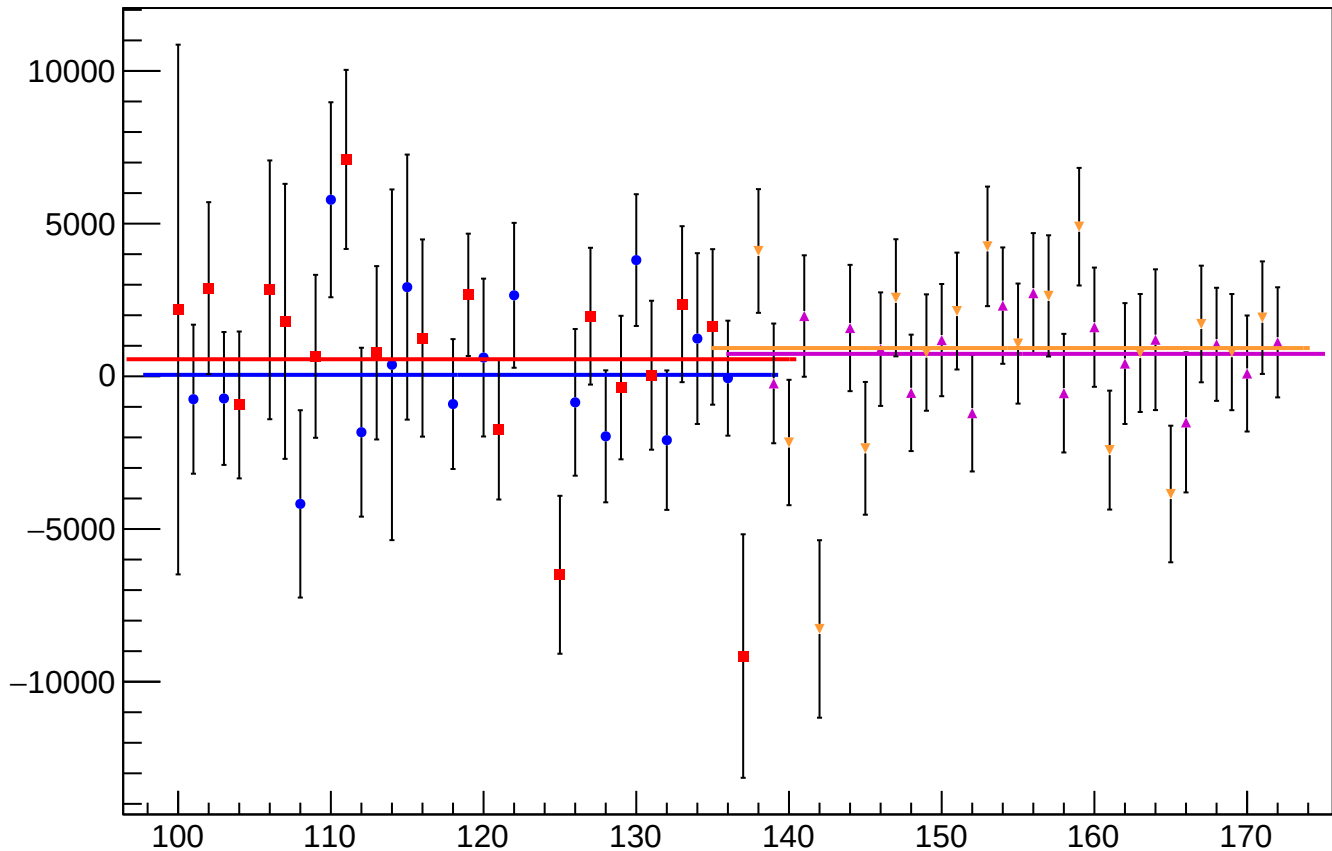
Left In: 4519.795 ± 0.873 χ^2/NDF : 1082420.6/16

+ sign 3216.531 ± 0.531 χ^2/NDF : 5779681.6/33

All: 3125.820 ± 0.367 χ^2/NDF : 12799794.4/6

- sign 3042.589 ± 0.508 χ^2/NDF : 6964056.5/35

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

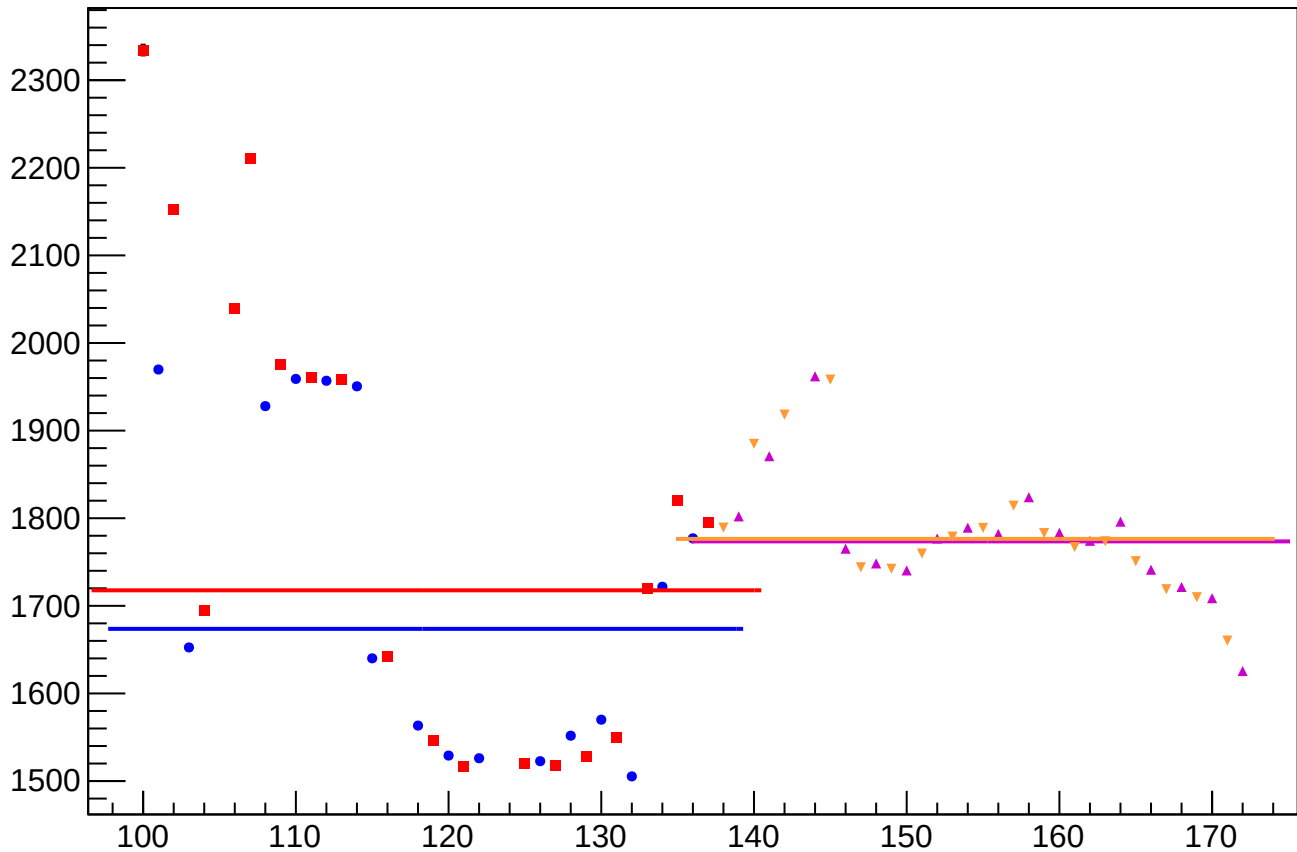
Left In: 735.429+/-473.798 χ^2/NDF : 5.9/16

+ sign 596.860+/-383.419 χ^2/NDF : 48.1/32

All: 635.502+/-270.583 χ^2/NDF : 77.4/67

- sign 673.841+/-381.908 χ^2/NDF : 29.2/34

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

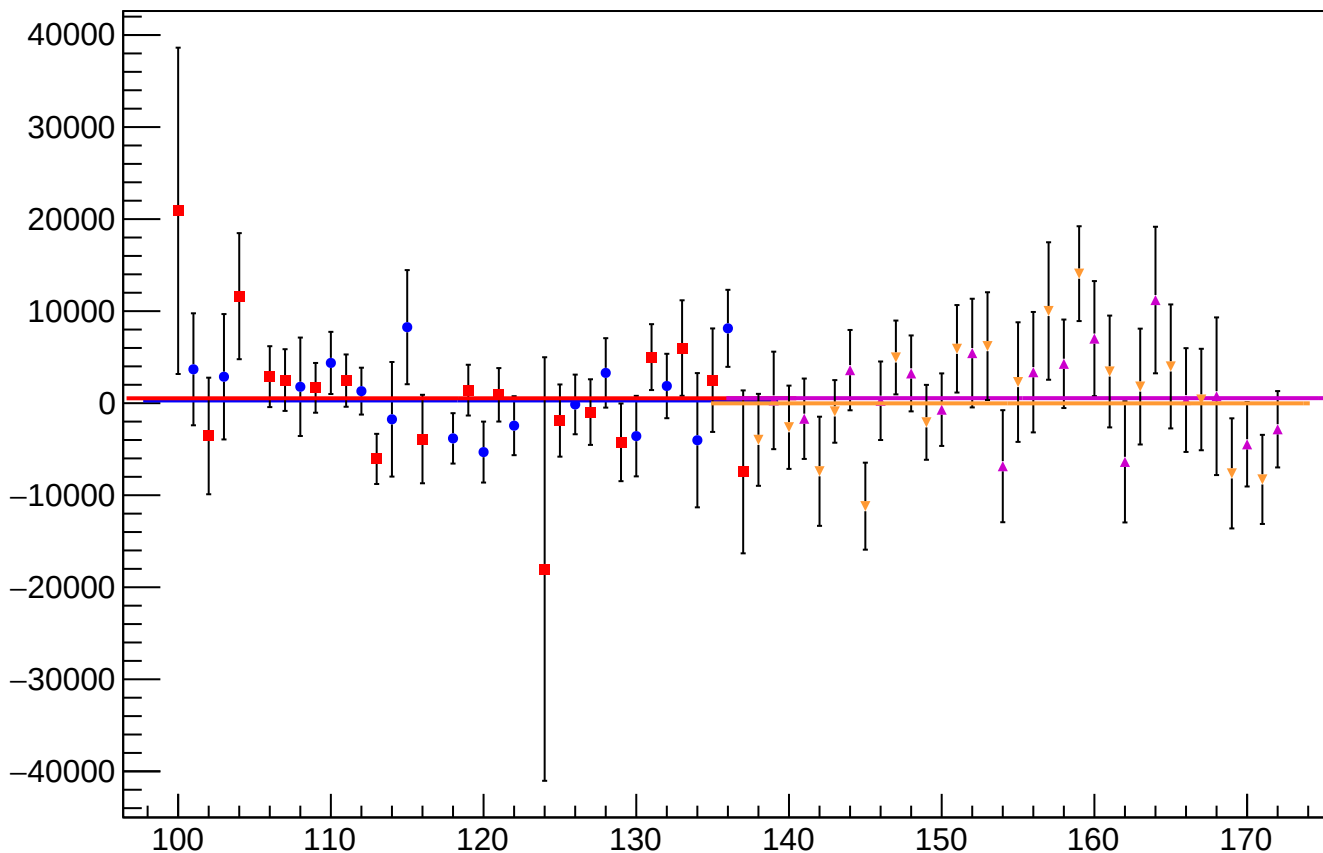
Left In: 1773.553+/-0.335 χ^2/NDF : 42403.9/16

+ sign 1737.918+/-0.271 χ^2/NDF : 213632.1/32

All: 1745.964+/-0.191 χ^2/NDF : 495190.6/67

- sign 1753.935+/-0.270 χ^2/NDF : 279805.0/34

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 296.511 $\pm$ 964.673 χ^2 /NDF: 15.3/15

Left Out: -17.550 $\pm$ 1193.707 χ^2 /NDF:27.4/17

Right Out: 531.009 $\pm$ 883.966 χ^2 /NDF: 18.8/18

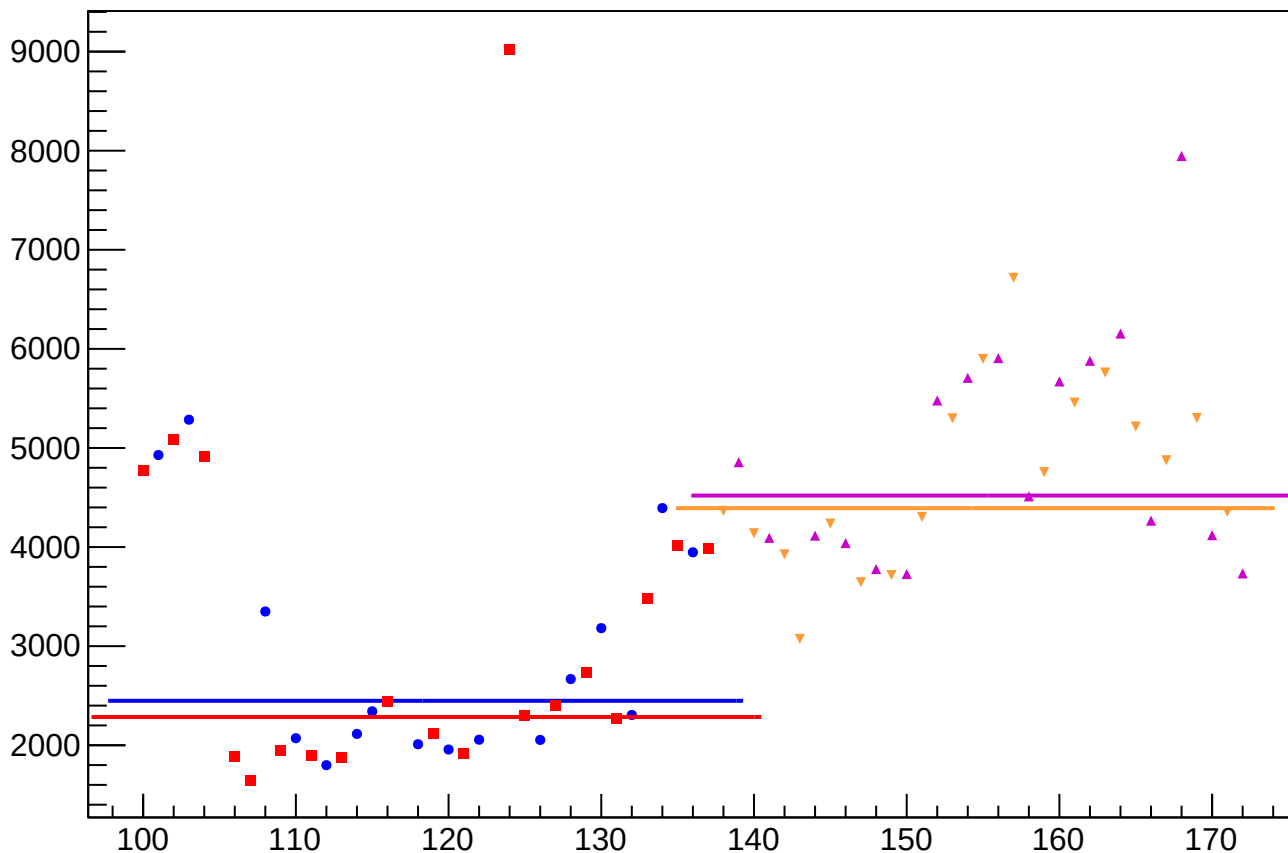
Left In: 545.996 $\pm$ 1234.419 χ^2 /NDF:10.1/16

+ sign 172.435 $\pm$ 750.298 χ^2 /NDF: 42.7/33

All: 362.082 $\pm$ 519.007 χ^2 /NDF: 71.6/69

- sign 536.089 $\pm$ 718.696 χ^2 /NDF: 28.8/35

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

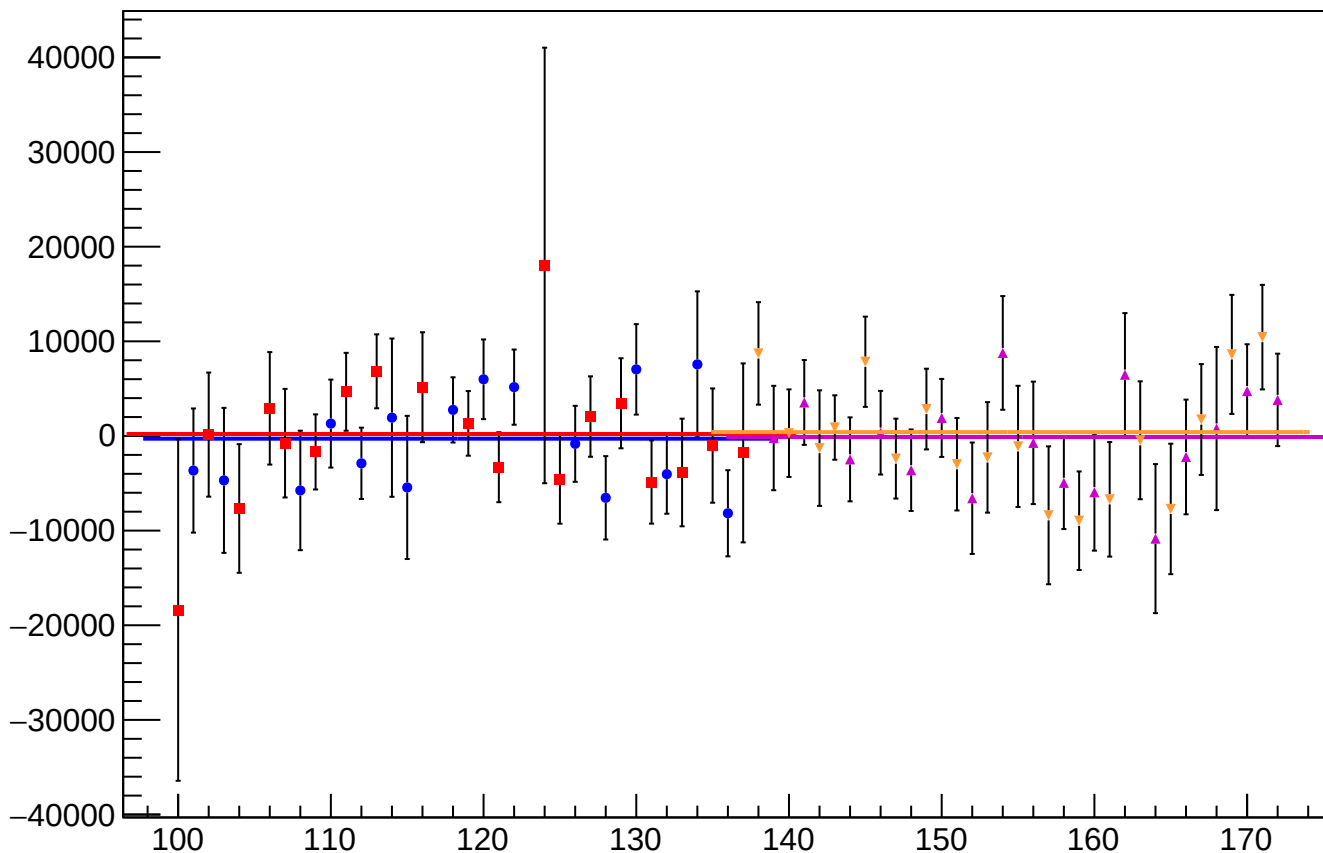
Left In: 4519.802+/-0.873 χ^2 /NDF:1082421.4/16

+ sign 3216.522+/-0.531 χ^2 /NDF: 5779756.9/33

All: 3125.811+/-0.367 χ^2 /NDF: 12799939.0/6

- sign 3042.581+/-0.508 χ^2 /NDF: 6964126.1/35

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

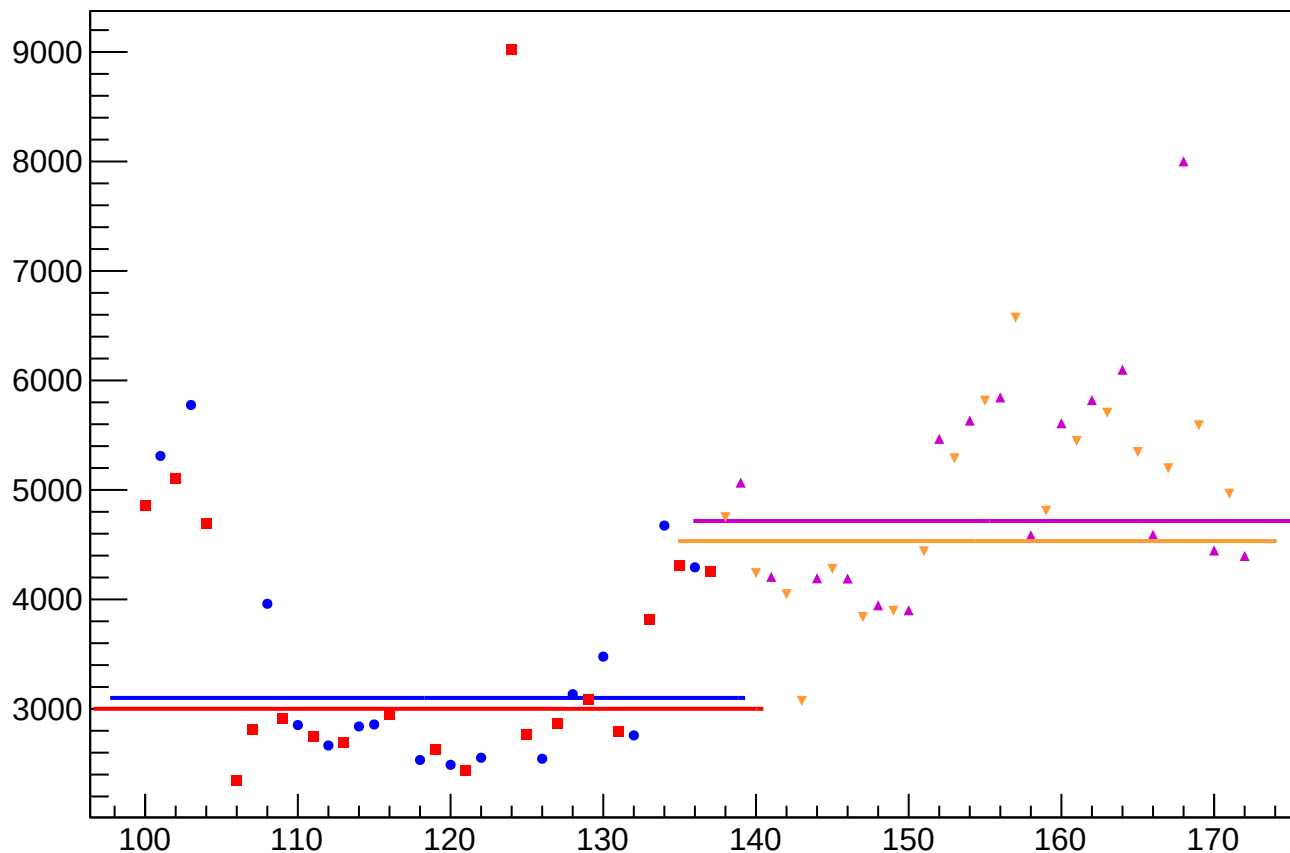
Left In: -110.232 ± 1281.049 χ^2/NDF : 11.8/16

+ sign 50.385 ± 857.664 χ^2/NDF : 35.7/33

All: 58.341 ± 606.333 χ^2/NDF : 60.3/69

- sign 66.291 ± 857.304 χ^2/NDF : 24.7/35

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

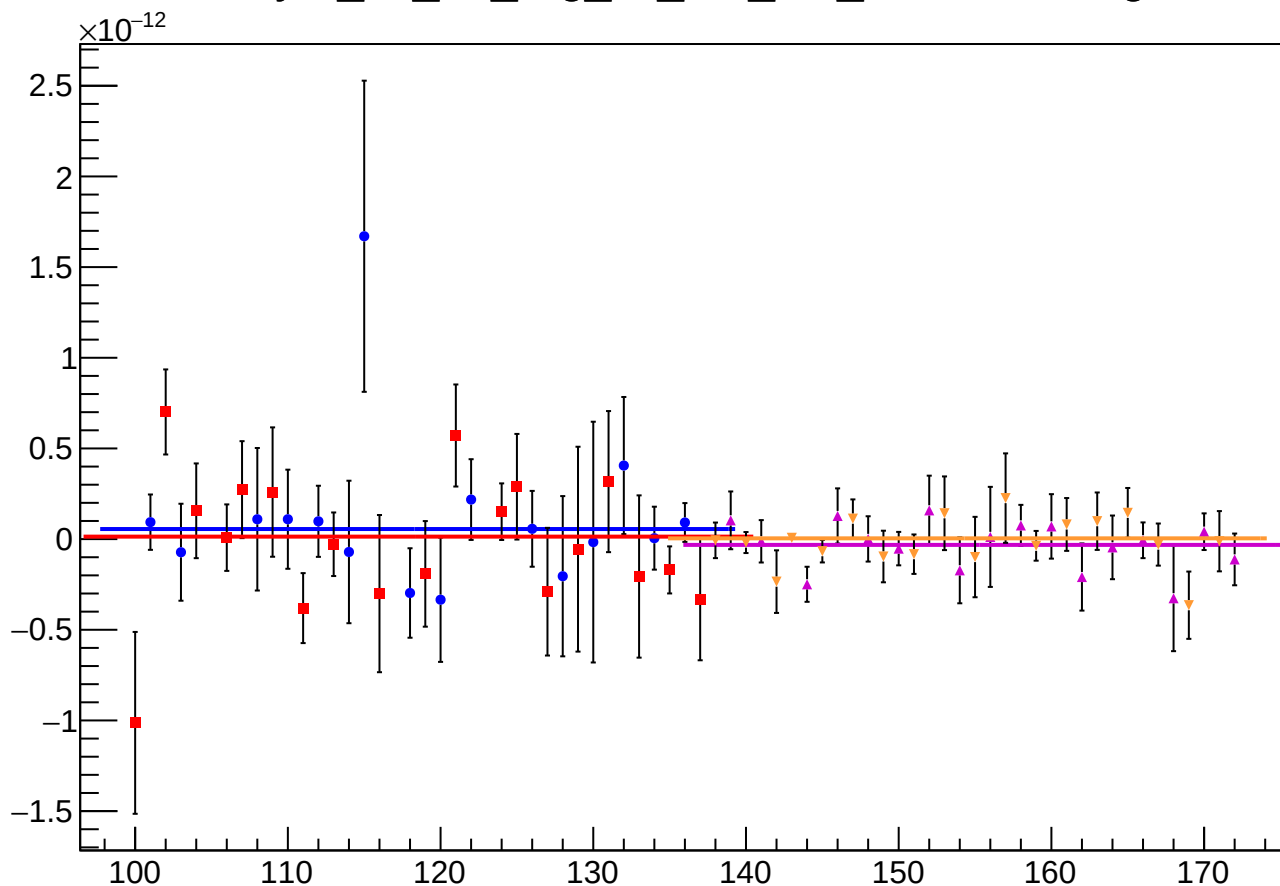
Left In: 4716.077+/-0.906 χ^2/NDF : 840436.8/16

+ sign 3797.773+/-0.606 χ^2/NDF : 3370622.9/33

All: 3777.454+/-0.427 χ^2/NDF : 7023862.0/69

- sign 3757.457+/-0.602 χ^2/NDF : 3651011.8/35

asym_atl_dd_reg_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 : 13.2/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.0/18

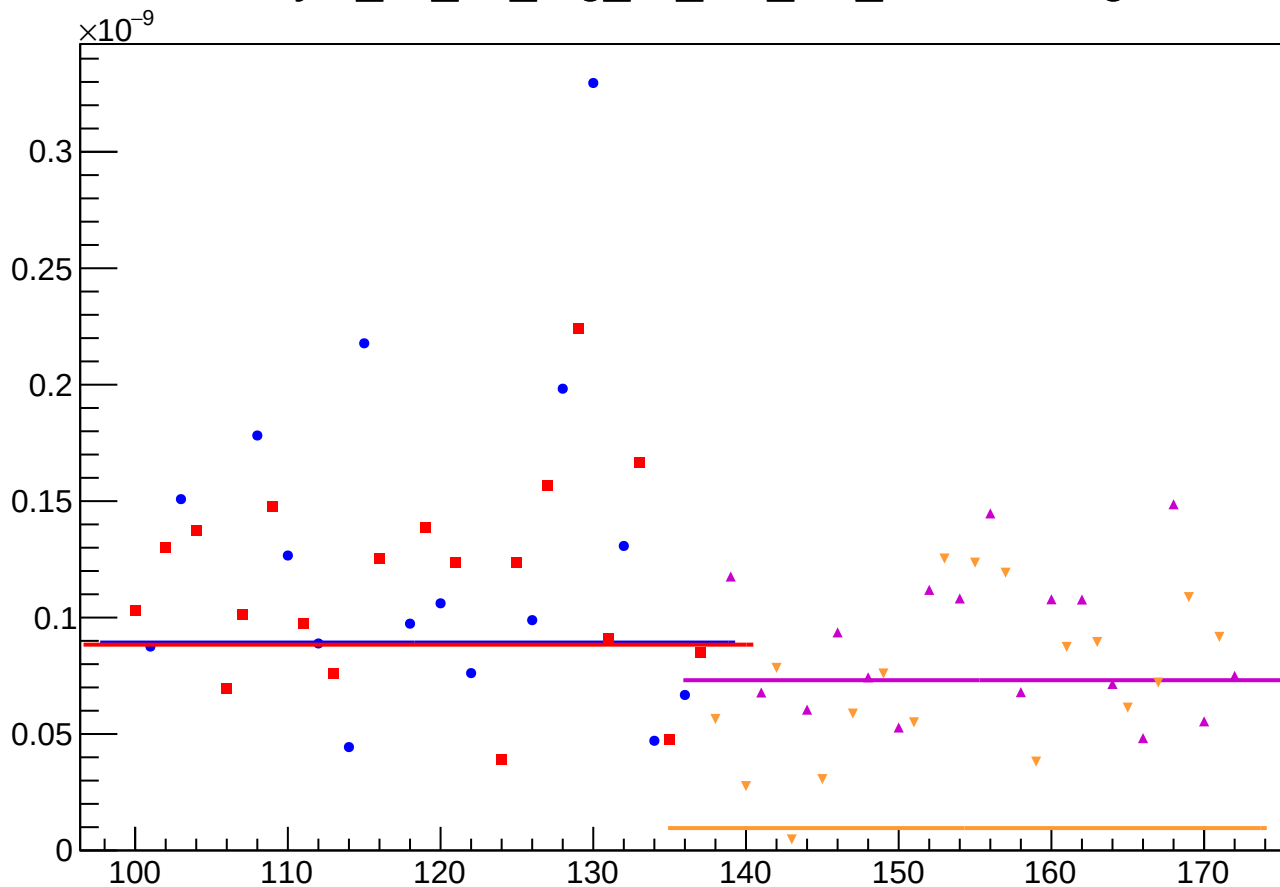
Left In: -0.000 ± 0.000 χ^2/NDF : 12.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 23.3/33

All: 0.000 ± 0.000 χ^2/NDF : 67.3/69

- sign -0.000 ± 0.000 χ^2/NDF : 43.2/35

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 949608.0/15

Left Out: 0.000 +/- 0.000 χ^2/NDF : 7820572.8/17

Right Out: 0.000 +/- 0.000 χ^2/NDF : 1013814.1/18

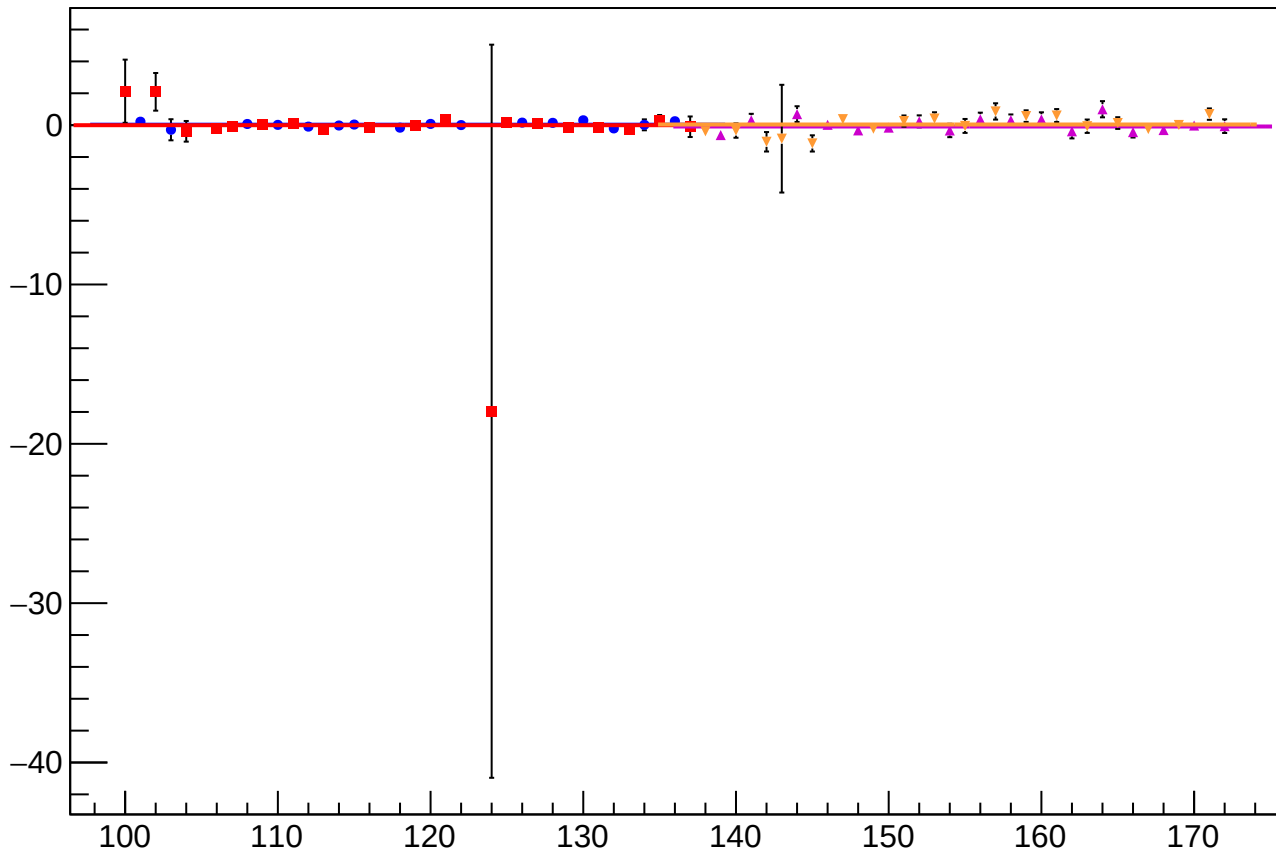
Left In: 0.000 +/- 0.000 χ^2/NDF : 1093399.3/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 12661283.0/33

All: 0.000 +/- 0.000 χ^2/NDF : 24917963.2/69

- sign 0.000 +/- 0.000 χ^2/NDF : 2219161.6/35

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

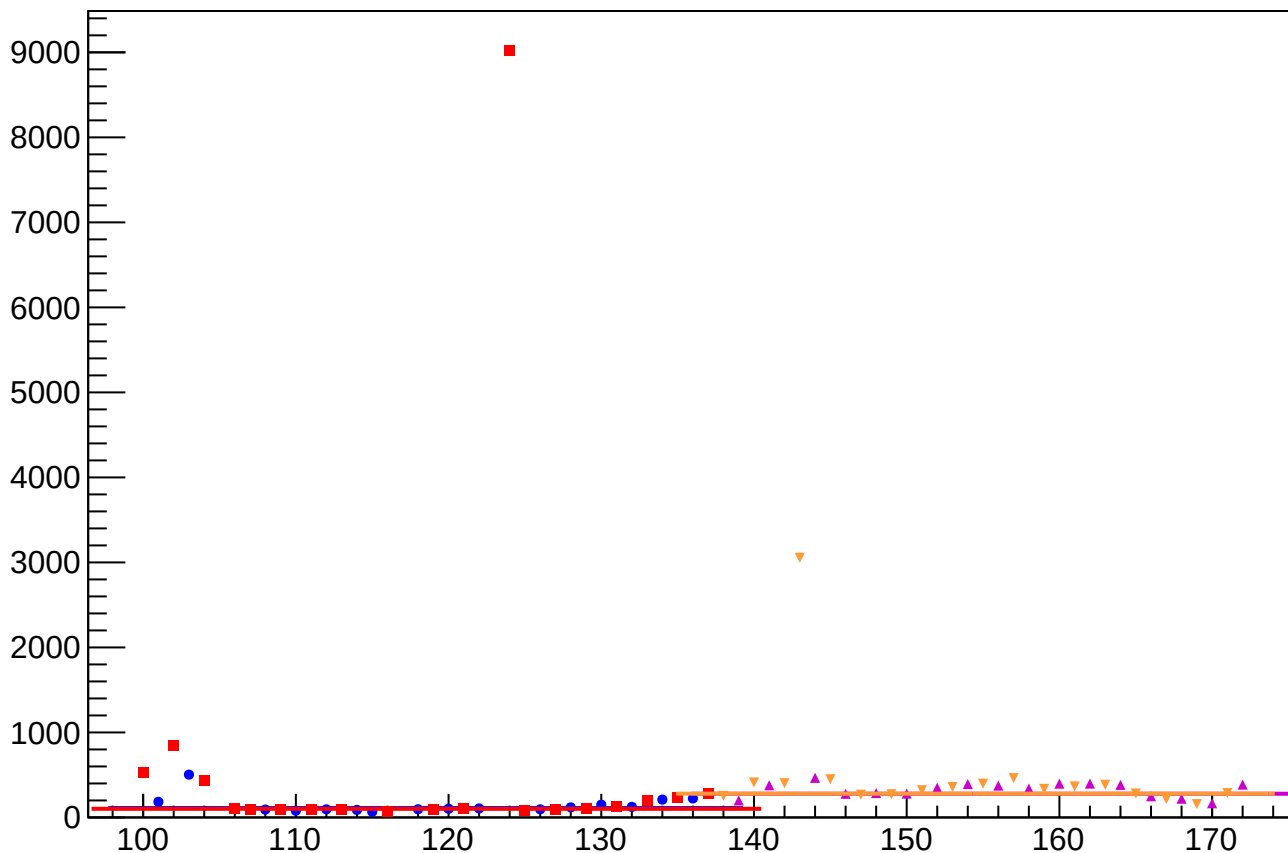
Left In: -0.085 ± 0.079 χ^2/NDF : 21.1/16

+ sign 0.031 ± 0.040 χ^2/NDF : 35.2/33

All: 0.003 ± 0.027 χ^2/NDF : 80.4/69

- sign -0.022 ± 0.038 χ^2/NDF : 44.3/35

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 0.032 χ^2 /NDF: 1930558.2/15

Left Out: 280.103 $\pm$ 0.057 χ^2 /NDF: 3711213.6/17

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

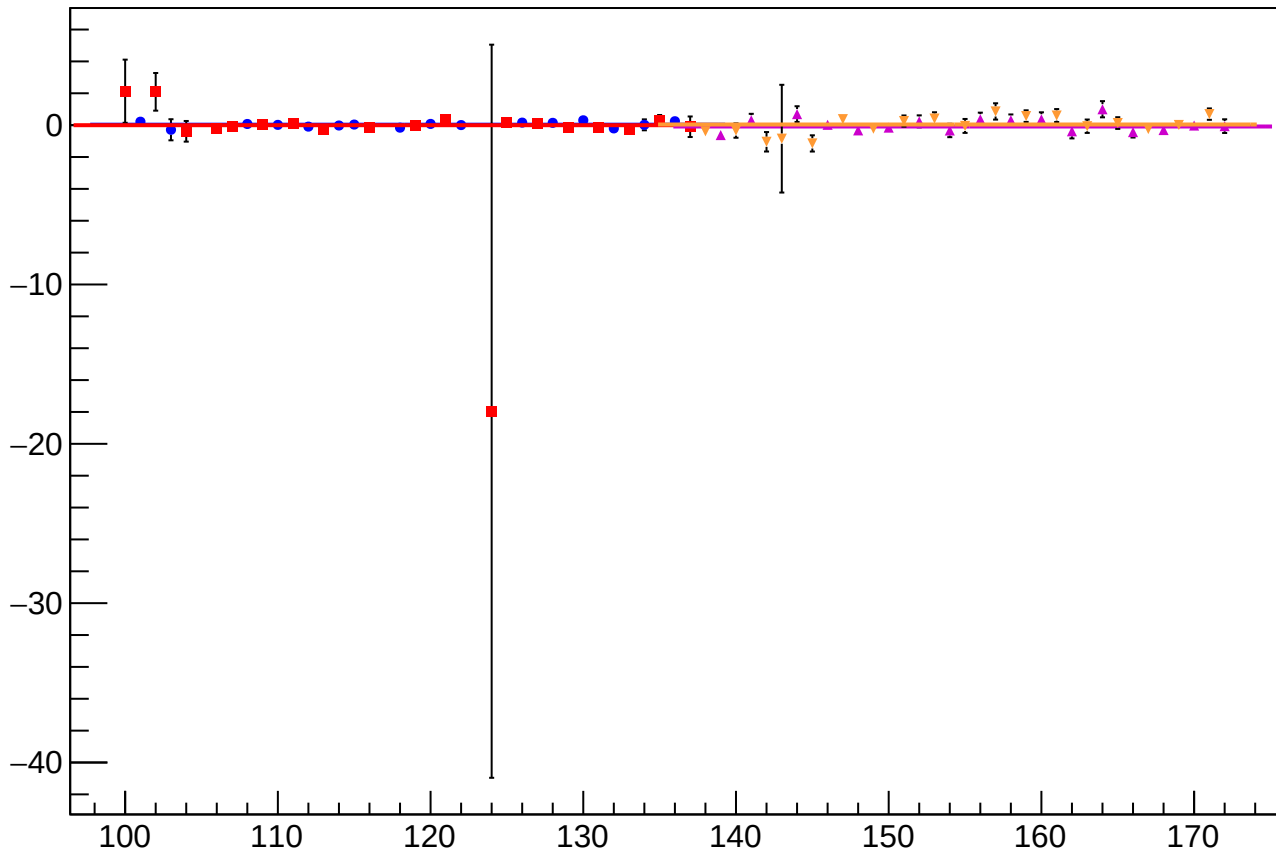
Left In: 278.870 $\pm$ 0.056 χ^2 /NDF: 2355391.4/16

+ sign 150.646 $\pm$ 0.028 χ^2 /NDF: 12382470.3/33

All: 146.638 $\pm$ 0.019 χ^2 /NDF: 25098825.2/69

- sign 142.931 $\pm$ 0.027 χ^2 /NDF: 12676761.5/35

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: 0.040 ± 0.081 χ^2/NDF : 26.3/17

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

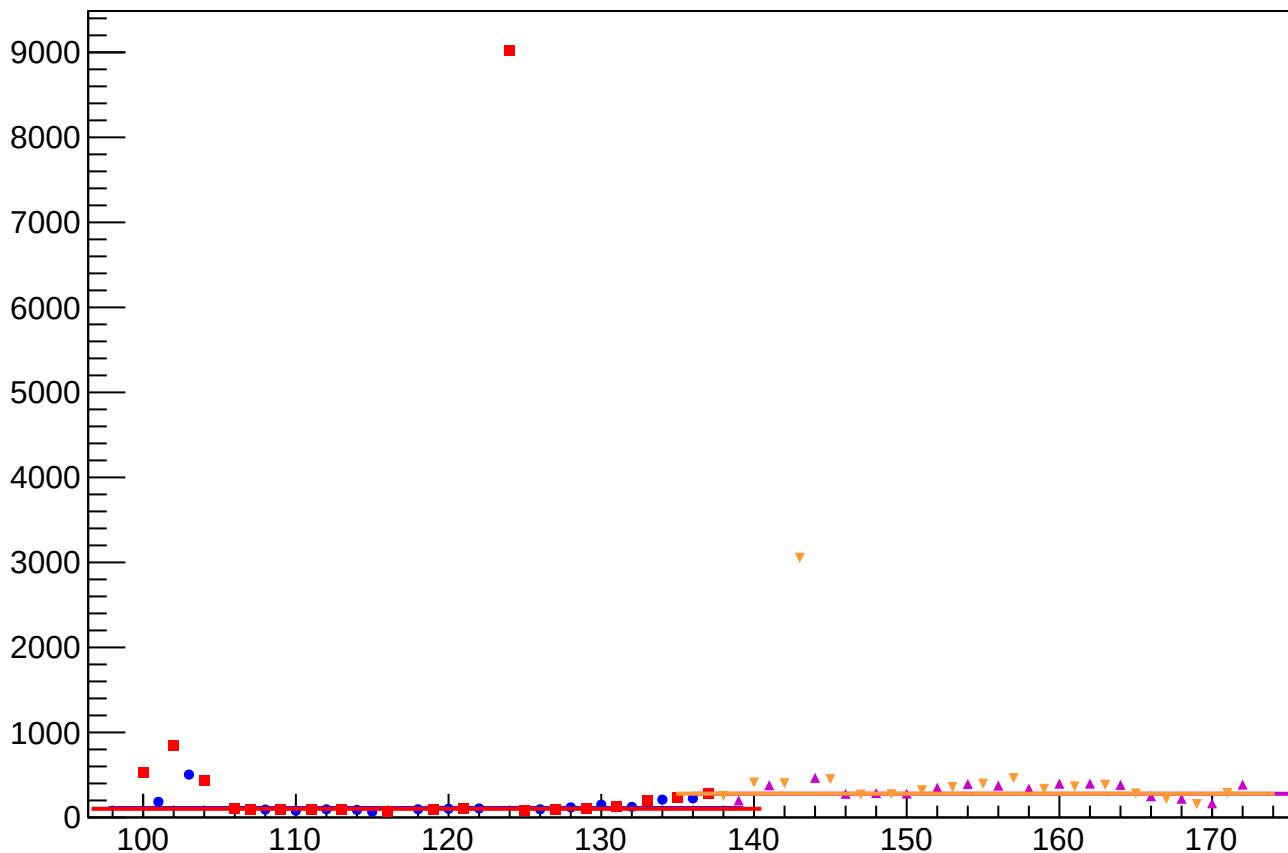
Left In: -0.085 ± 0.079 χ^2/NDF : 21.1/16

+ sign 0.031 ± 0.040 χ^2/NDF : 35.2/33

All: 0.003 ± 0.027 χ^2/NDF : 80.4/69

- sign -0.022 ± 0.038 χ^2/NDF : 44.3/35

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 109.988 $\pm$ 0.032 χ^2 /NDF: 1930558.2/15

Left Out: 280.103 $\pm$ 0.057 χ^2 /NDF: 3711213.6/17

Right Out: 101.852 $\pm$ 0.031 χ^2 /NDF: 2589792.8/18

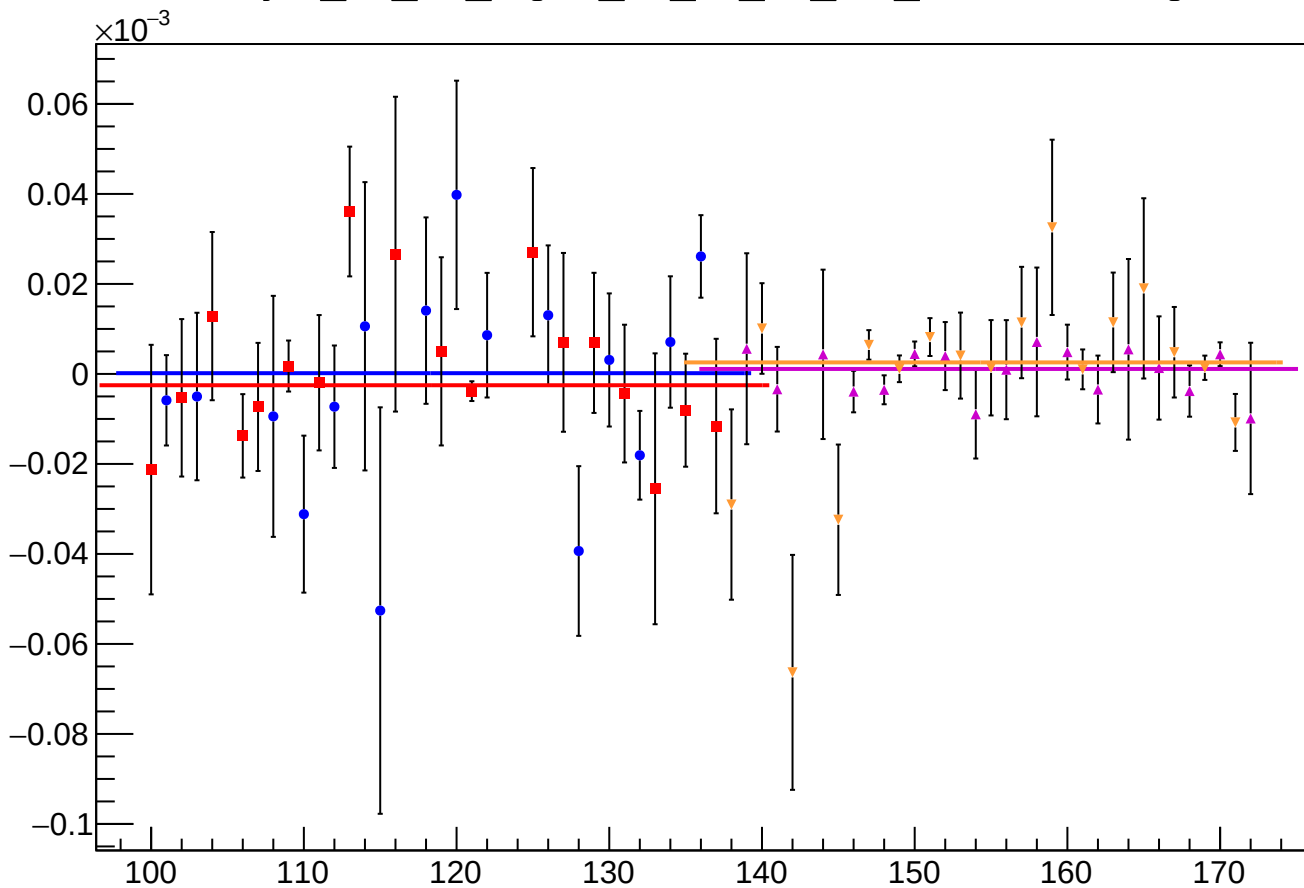
Left In: 278.870 $\pm$ 0.056 χ^2 /NDF: 2355391.4/16

+ sign 150.646 $\pm$ 0.028 χ^2 /NDF: 12382470.3/33

All: 146.638 $\pm$ 0.019 χ^2 /NDF: 25098825.2/69

- sign 142.931 $\pm$ 0.027 χ^2 /NDF: 12676761.5/35

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:26.6/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/17

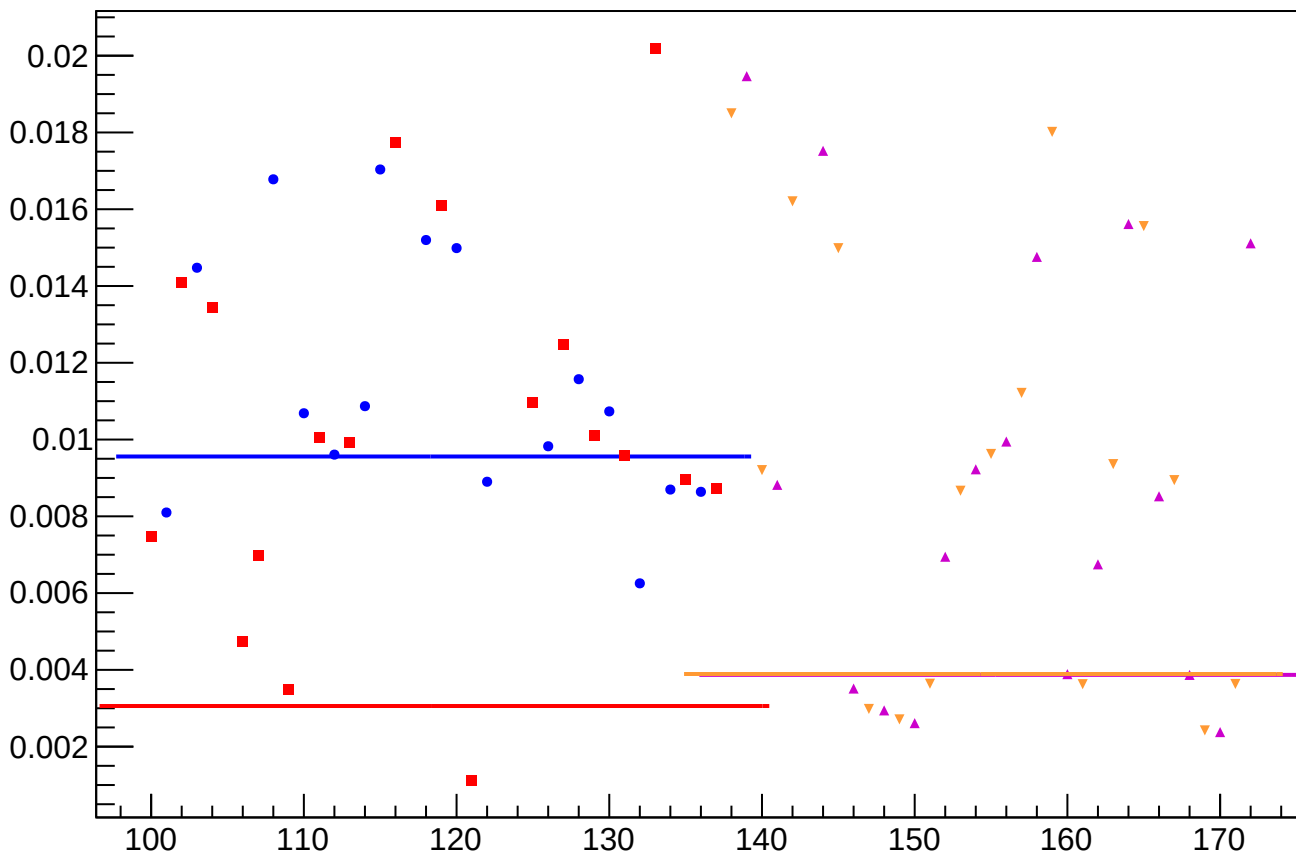
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.6/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 82.9/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/34

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

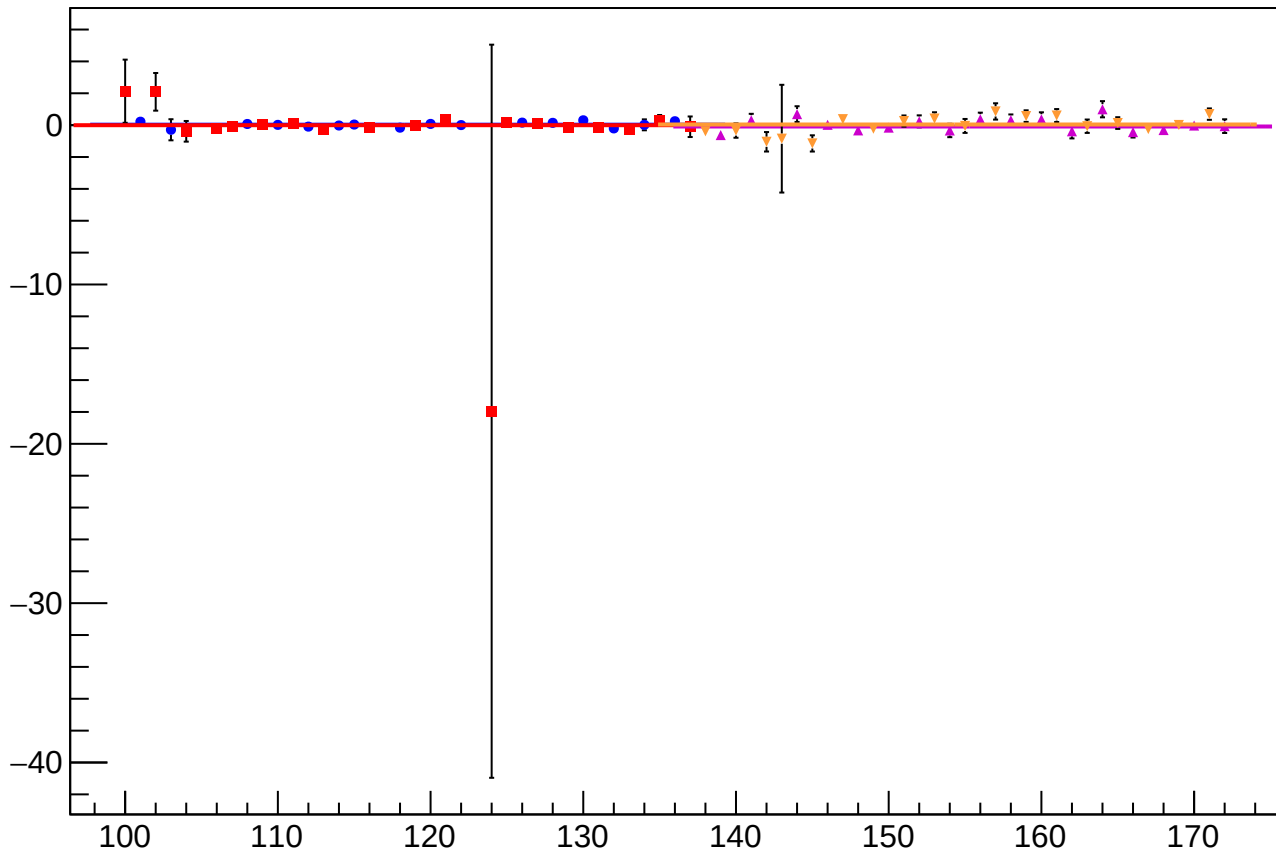
Left In: 0.004+/-0.000 χ^2/NDF :8515790.7/16

+ sign 0.005+/-0.000 χ^2/NDF : 13429108.8/32

All: 0.004+/-0.000 χ^2/NDF : 30994607.0/67

- sign 0.004+/-0.000 χ^2/NDF : 16895051.5/34

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.045 χ^2/NDF : 8.9/15

Left Out: 0.040 ± 0.081 χ^2/NDF : 26.3/17

Right Out: -0.003 ± 0.043 χ^2/NDF : 22.4/18

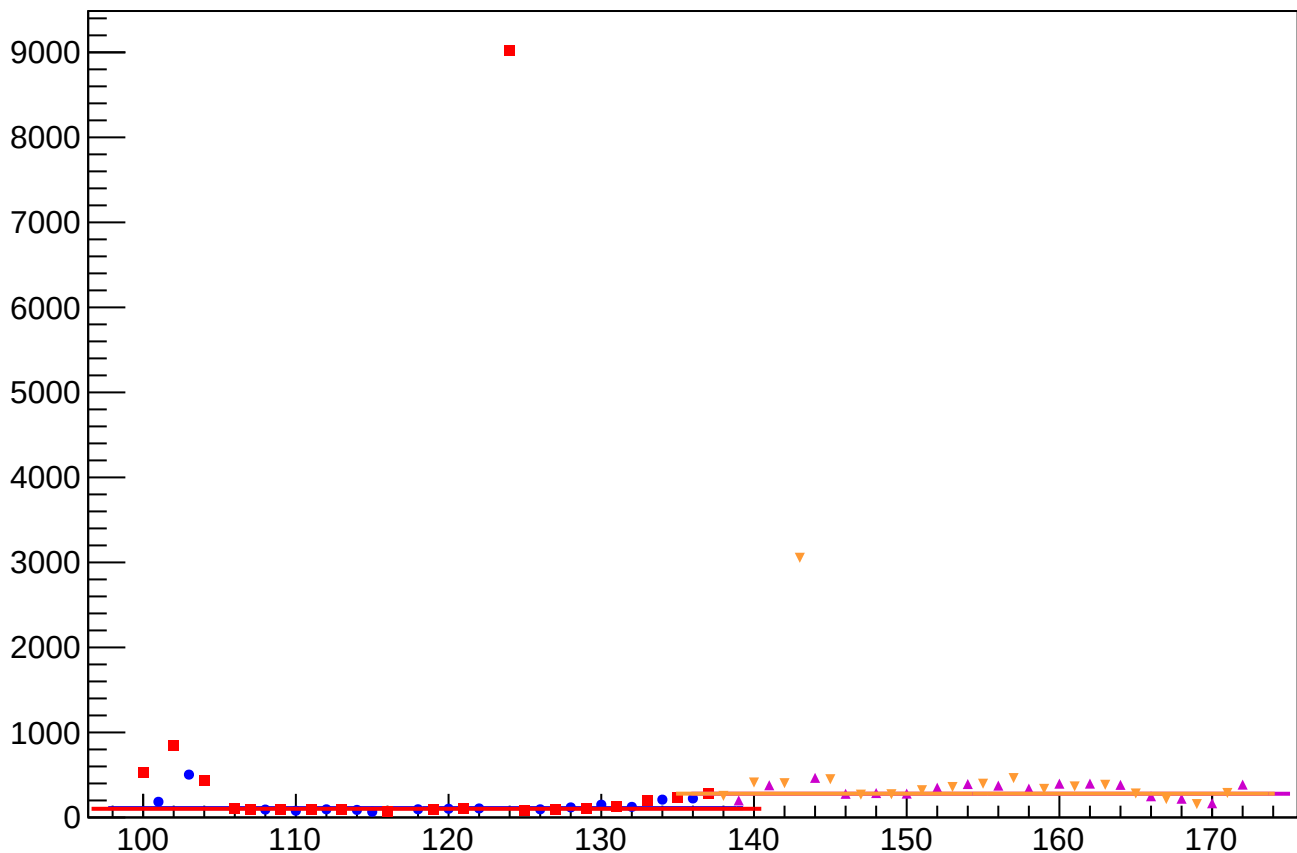
Left In: -0.085 ± 0.079 χ^2/NDF : 21.1/16

+ sign 0.031 ± 0.040 χ^2/NDF : 35.2/33

All: 0.003 ± 0.027 χ^2/NDF : 80.4/69

- sign -0.022 ± 0.038 χ^2/NDF : 44.3/35

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

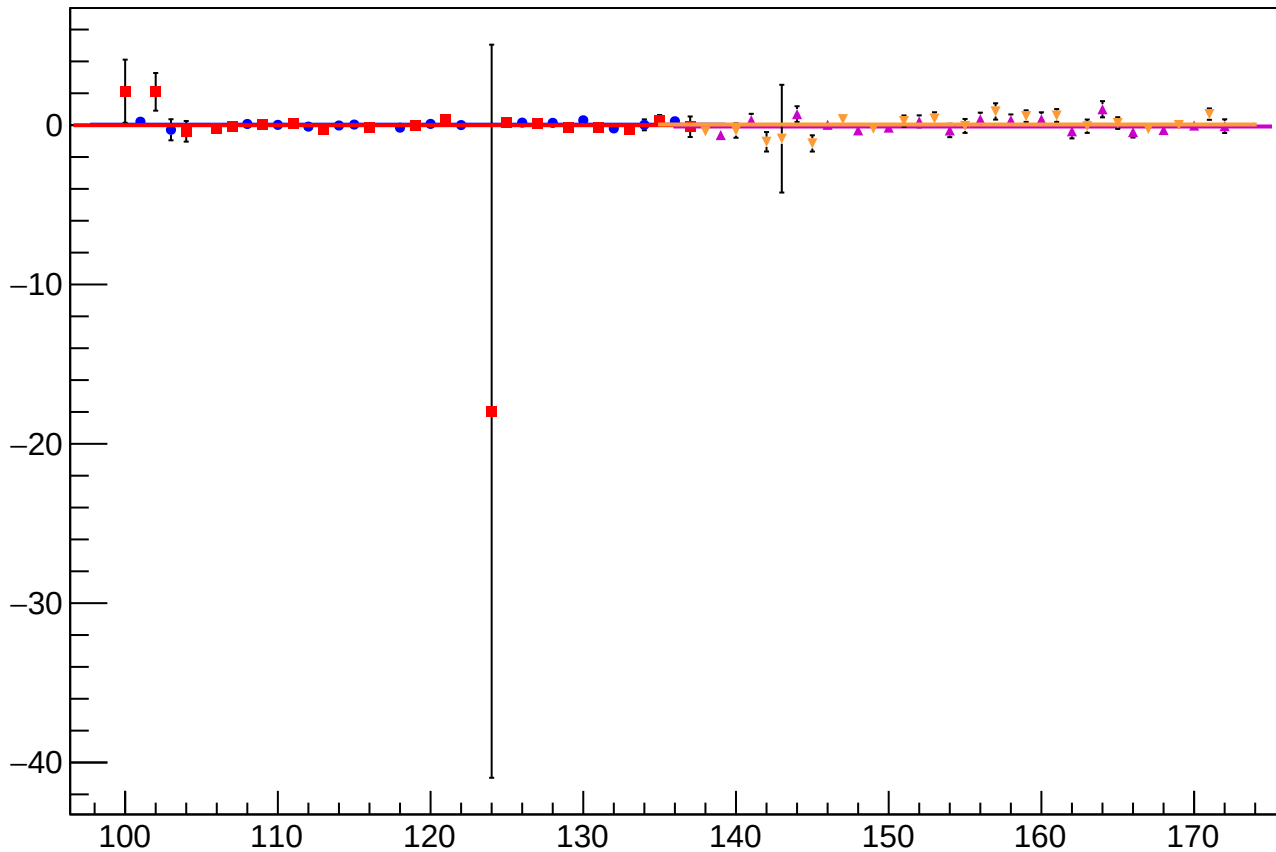
Left In: 278.873+/-0.056 χ^2/NDF : 2355360.3/16

+ sign 150.647+/-0.028 χ^2/NDF : 12382470.1/33

All: 146.640+/-0.019 χ^2/NDF : 25098722.8/69

- sign 142.933+/-0.027 χ^2/NDF : 12676665.4/35

asym_atl_dd_eigen_dit_vs_eigen_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

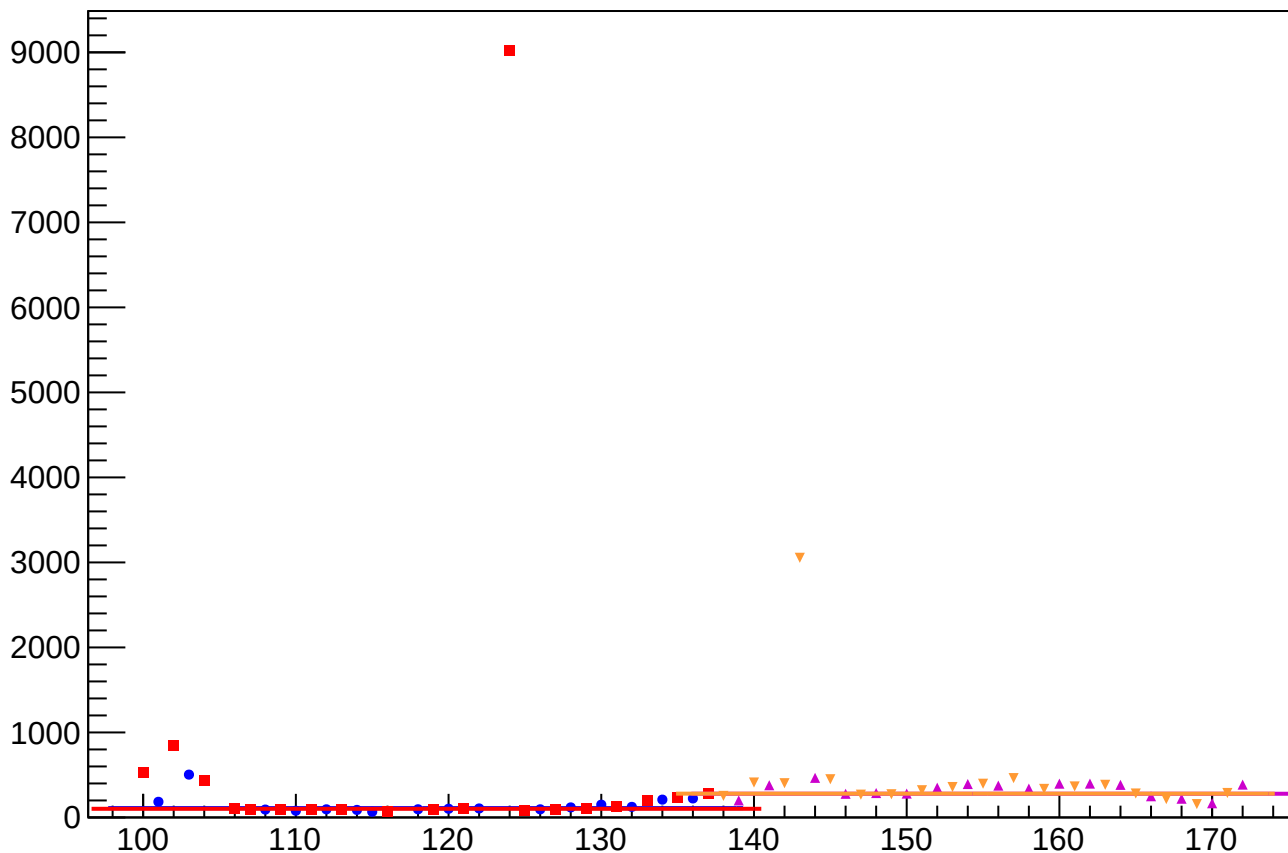
Left In: -0.085 ± 0.079 χ^2/NDF : 21.1/16

+ sign 0.031 ± 0.040 χ^2/NDF : 35.2/33

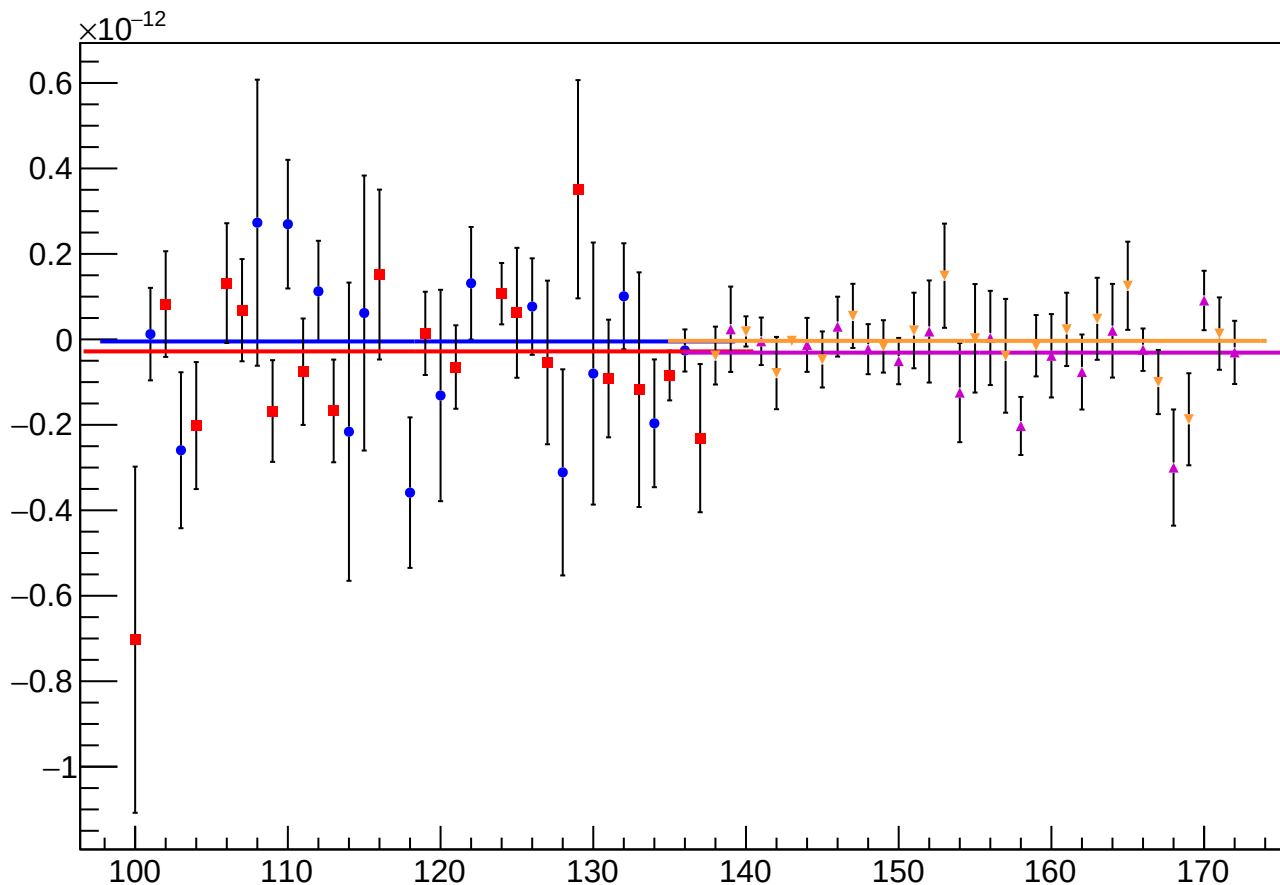
All: 0.003 ± 0.027 χ^2/NDF : 80.4/69

- sign -0.022 ± 0.038 χ^2/NDF : 44.3/35

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

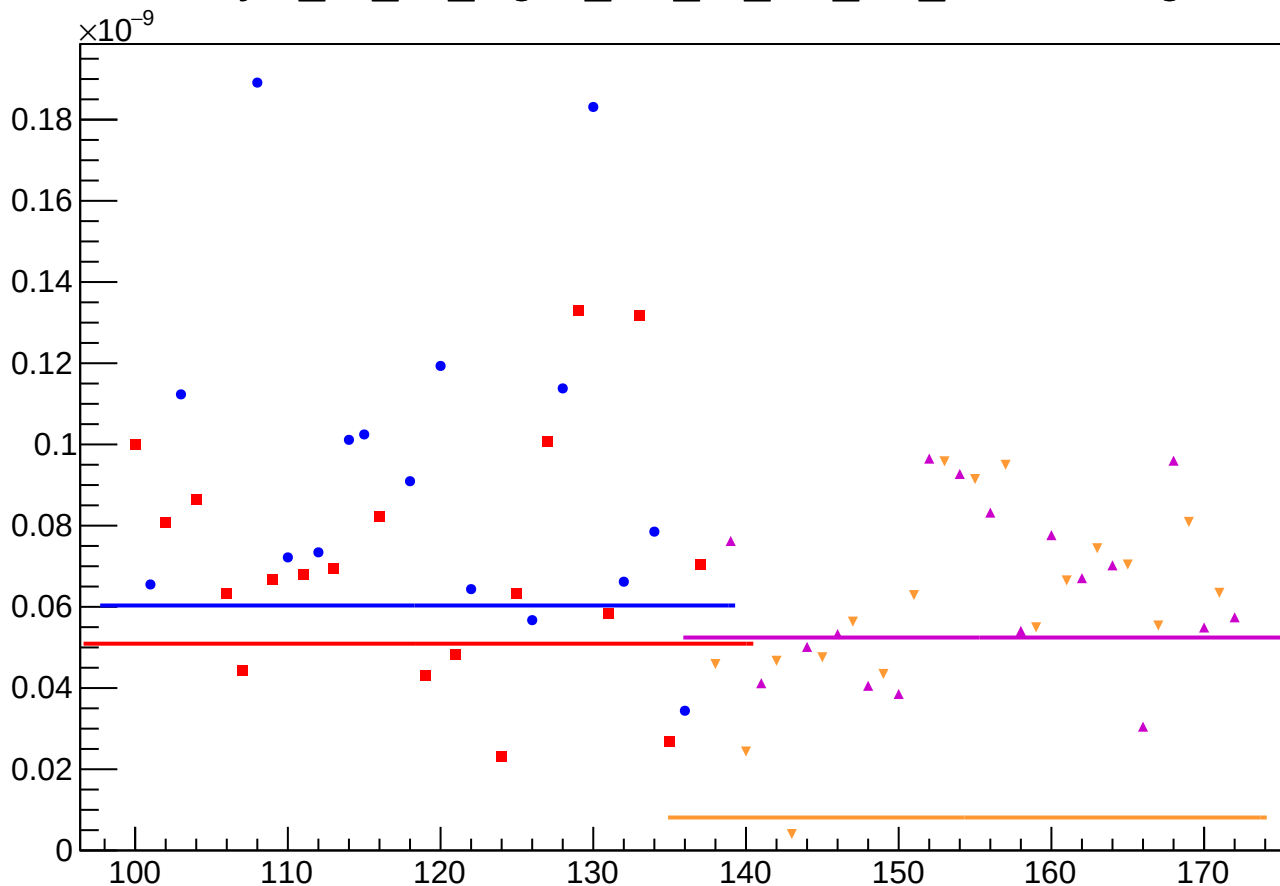
Left In: -0.000 ± 0.000 χ^2/NDF : 16.3/16

+ sign -0.000 ± 0.000 χ^2/NDF : 28.3/33

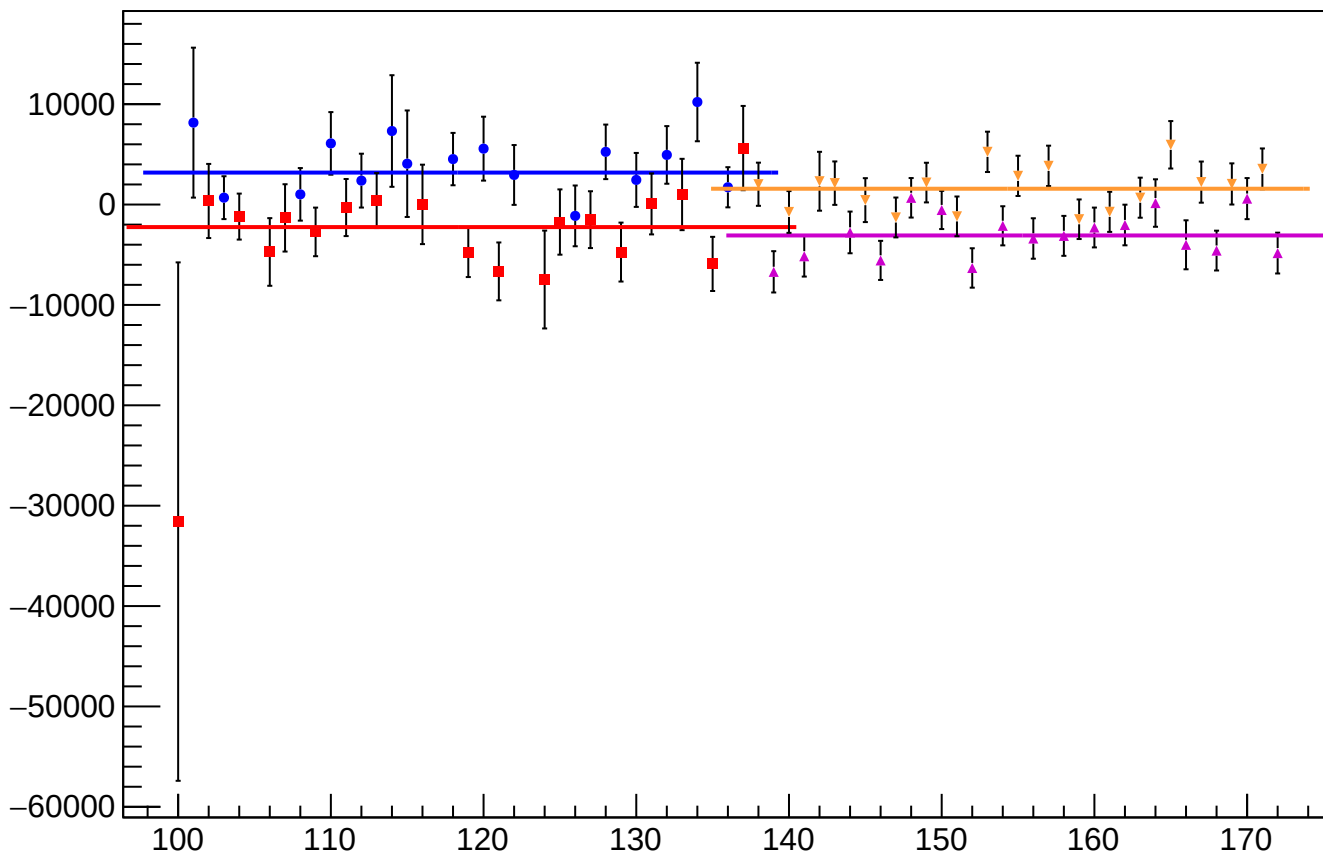
All: -0.000 ± 0.000 χ^2/NDF : 67.1/69

- sign -0.000 ± 0.000 χ^2/NDF : 36.0/35

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_atr_avg_mean vs Slug



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

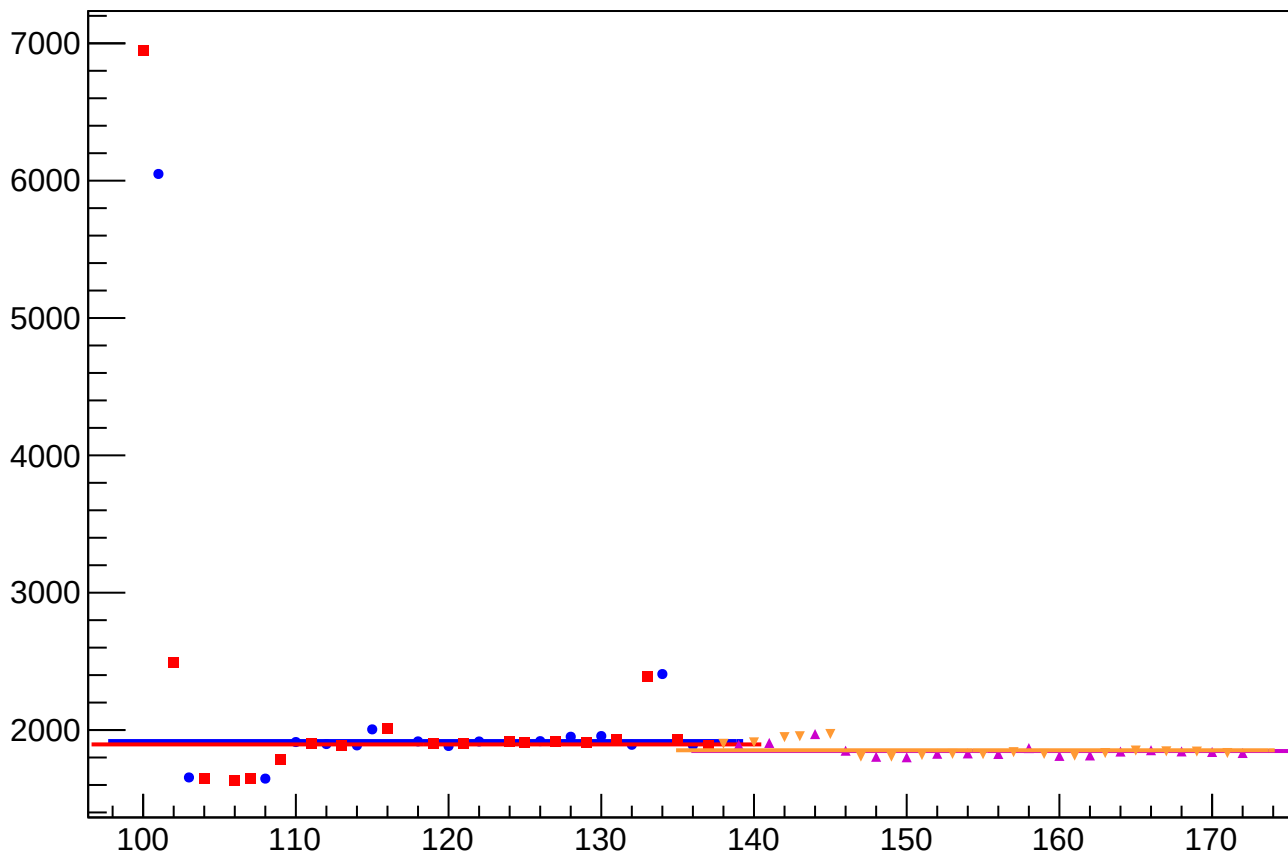
Left In: -3080.004 ± 493.166 χ^2/NDF : 21.2/16

+ sign 2074.819 ± 407.494 χ^2/NDF : 34.3/33

All: -380.840 ± 287.331 χ^2/NDF : 145.1/69

- sign -2809.066 ± 405.211 χ^2/NDF : 38.6/35

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

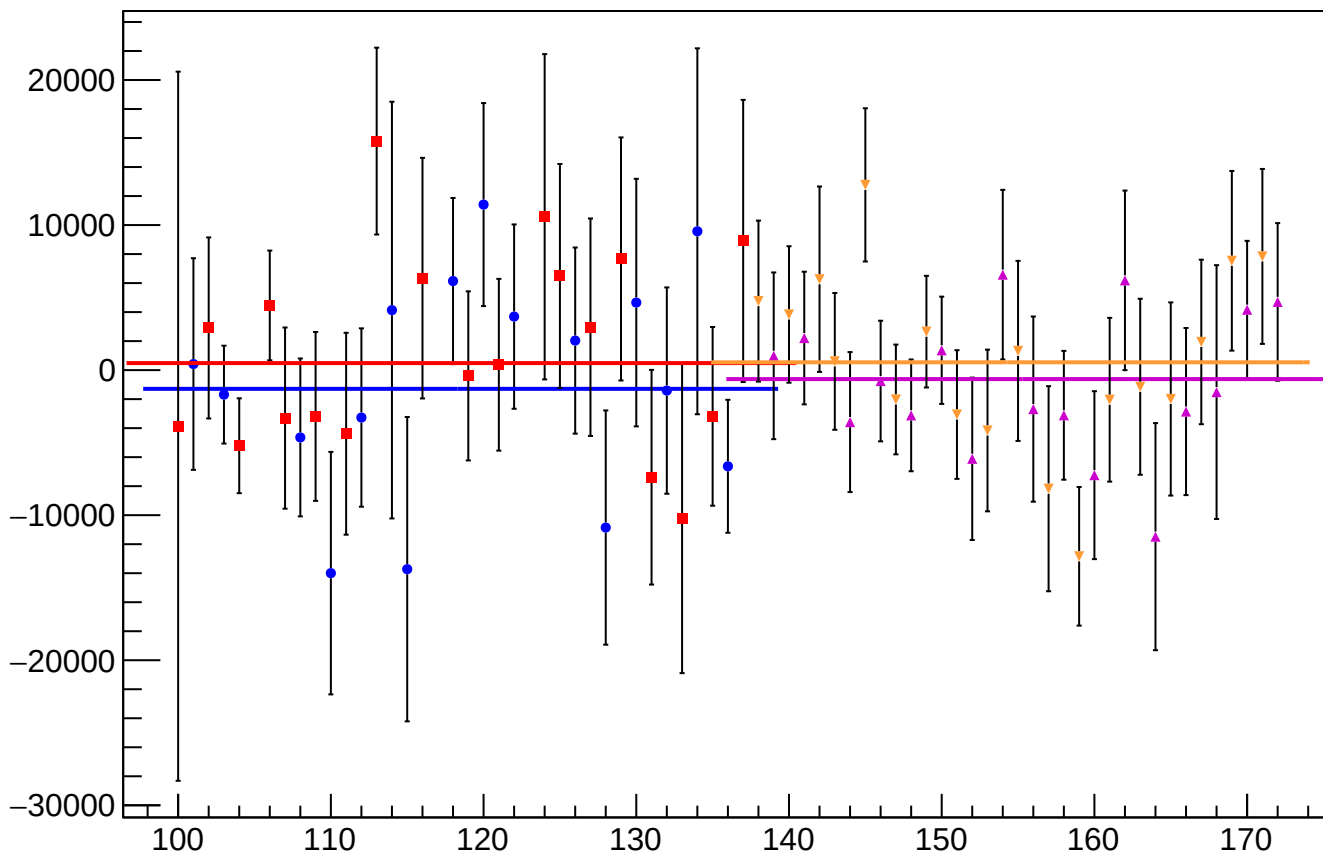
Left In: 1847.108+/-0.349 χ^2/NDF : 13856.9/16

+ sign 1873.518+/-0.288 χ^2/NDF : 729155.5/33

All: 1868.152+/-0.203 χ^2/NDF : 972225.0/69

- sign 1862.858+/-0.286 χ^2/NDF : 242380.6/35

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

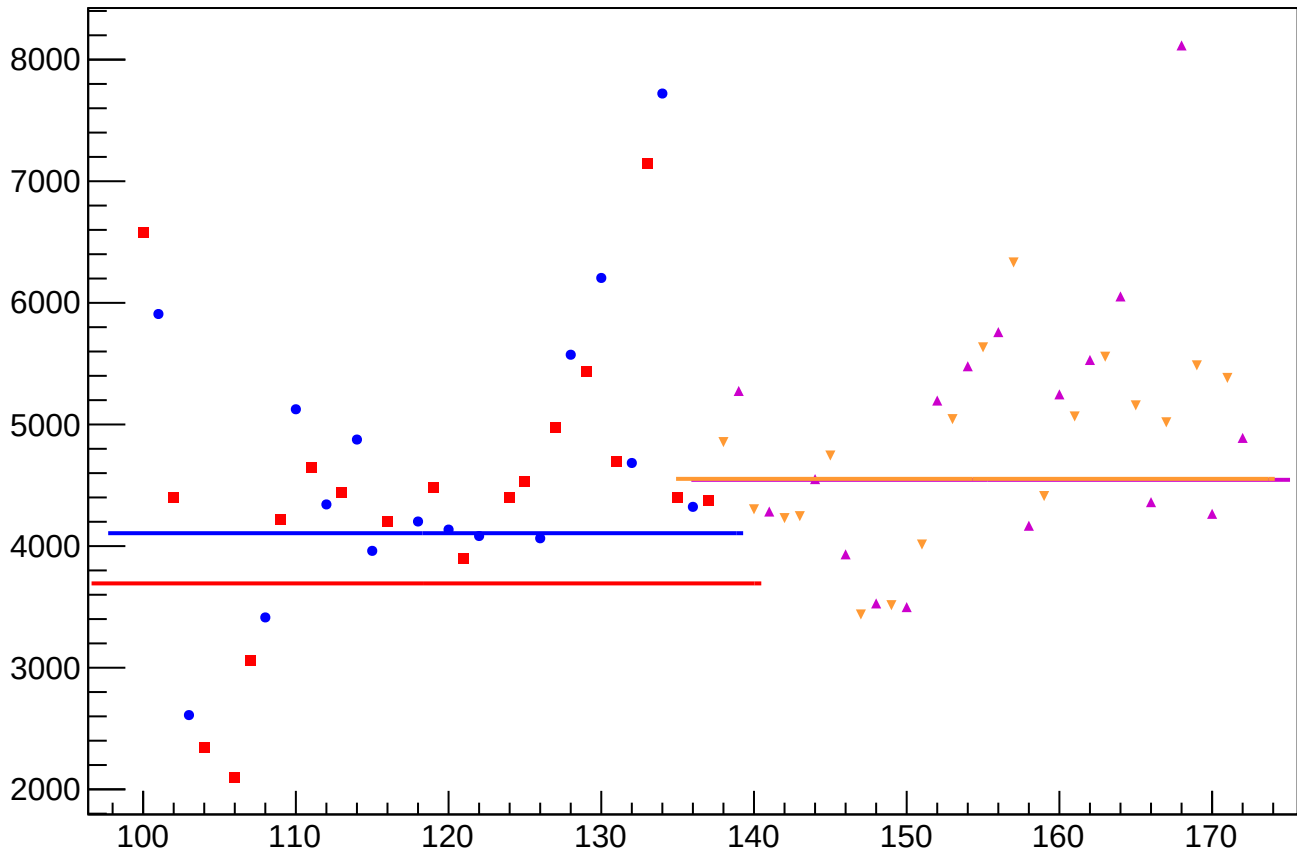
Left In: -618.850 ± 1240.725 χ^2/NDF : 11.0/16

+ sign -149.555 ± 972.764 χ^2/NDF : 37.1/33

All: -148.485 ± 675.685 χ^2/NDF : 65.7/69

- sign -147.487 ± 939.243 χ^2/NDF : 28.6/35

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4106.141 $\pm$ 1.121 χ^2 /NDF: 956130.4/15

Left Out: 4552.905 $\pm$ 0.871 χ^2 /NDF: 766160.5/17

Right Out: 3693.266 $\pm$ 1.016 χ^2 /NDF: 1356643.3/18

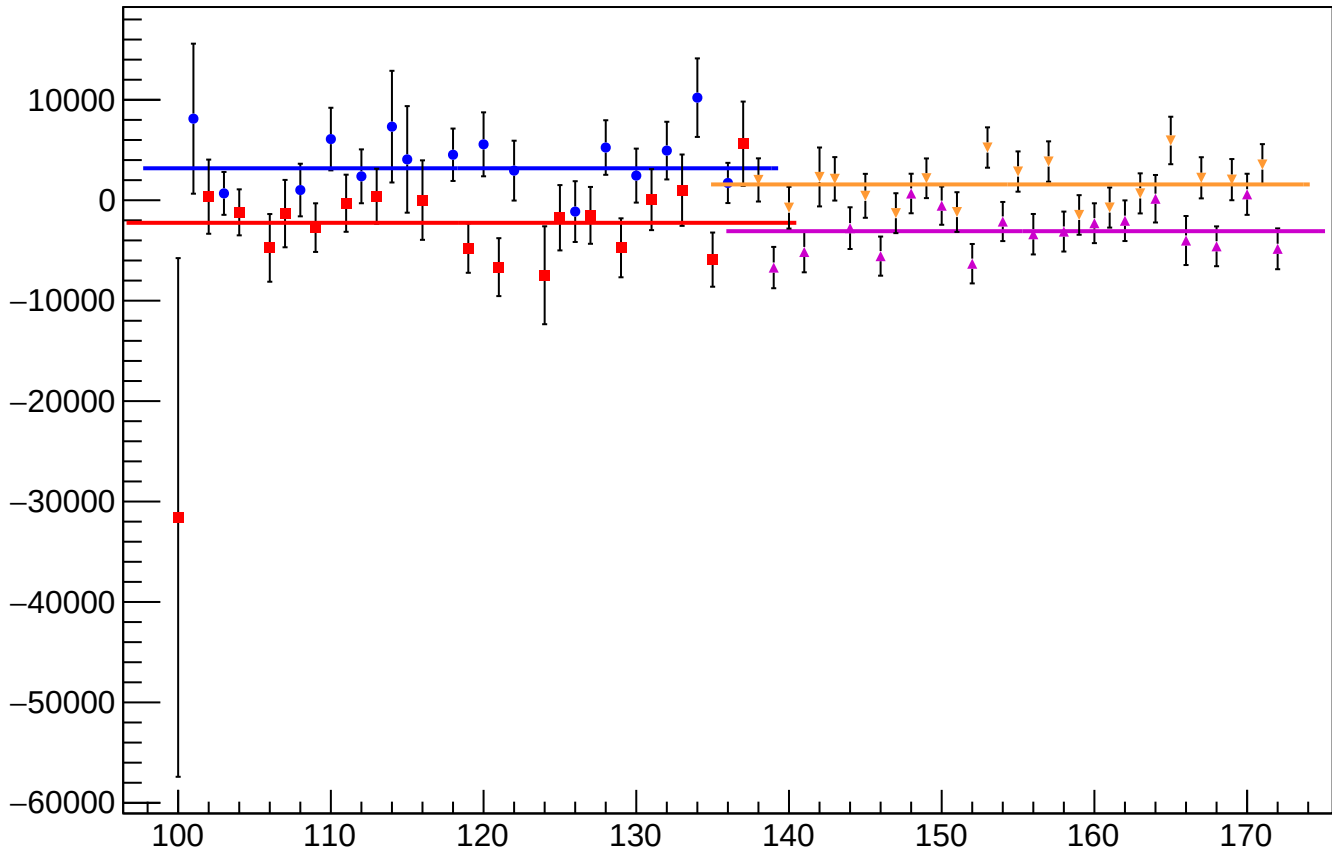
Left In: 4544.962 $\pm$ 0.877 χ^2 /NDF: 1051278.1/16

+ sign 4384.716 $\pm$ 0.688 χ^2 /NDF: 1821317.8/33

All: 4279.465 $\pm$ 0.478 χ^2 /NDF: 4676834.4/69

- sign 4181.344 $\pm$ 0.664 χ^2 /NDF: 2810275.9/35

cor_asym_atr_avg_mean vs Slug



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

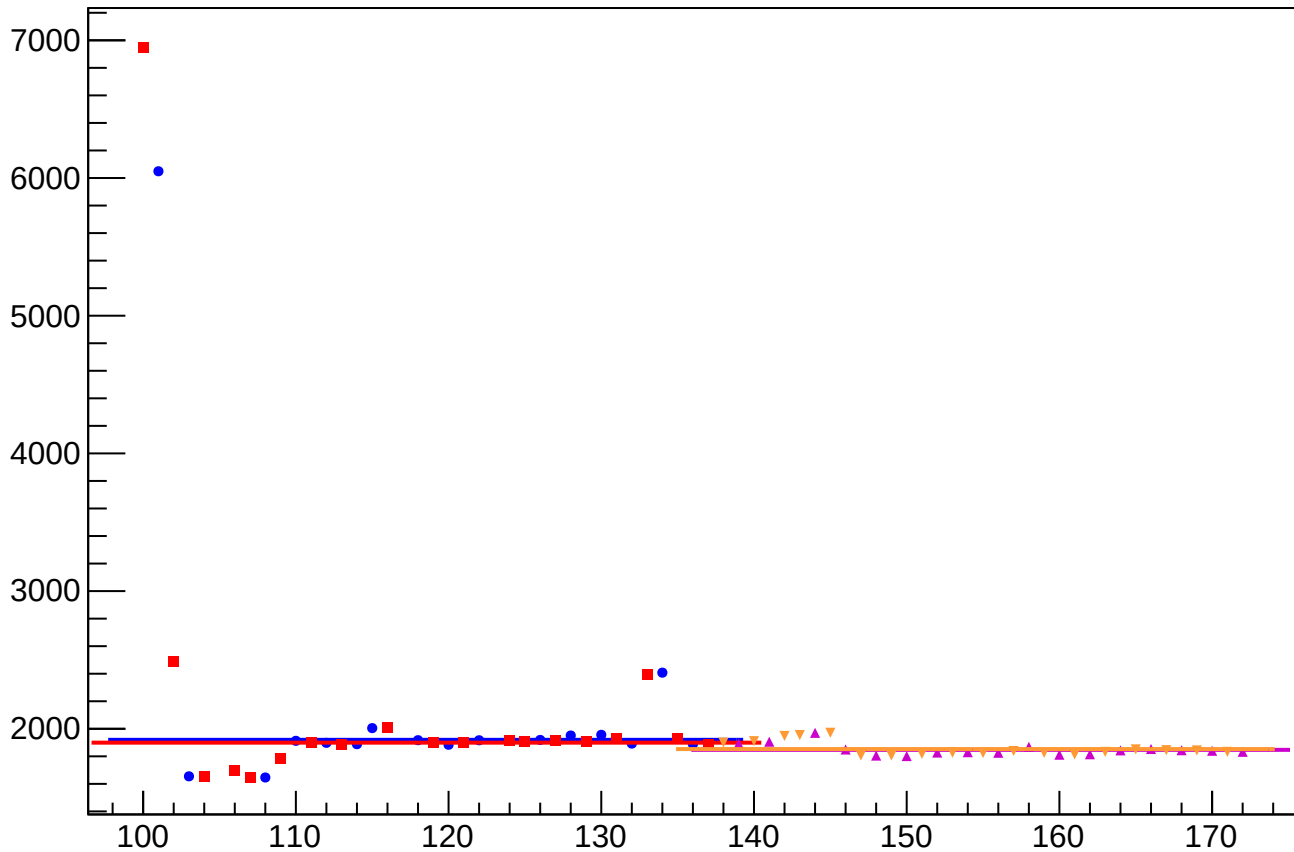
Left In: -3079.994 ± 493.166 χ^2/NDF : 21.2/16

+ sign 2074.505 ± 407.494 χ^2/NDF : 34.3/33

All: -381.175 ± 287.332 χ^2/NDF : 145.1/69

- sign -2809.430 ± 405.212 χ^2/NDF : 38.6/35

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

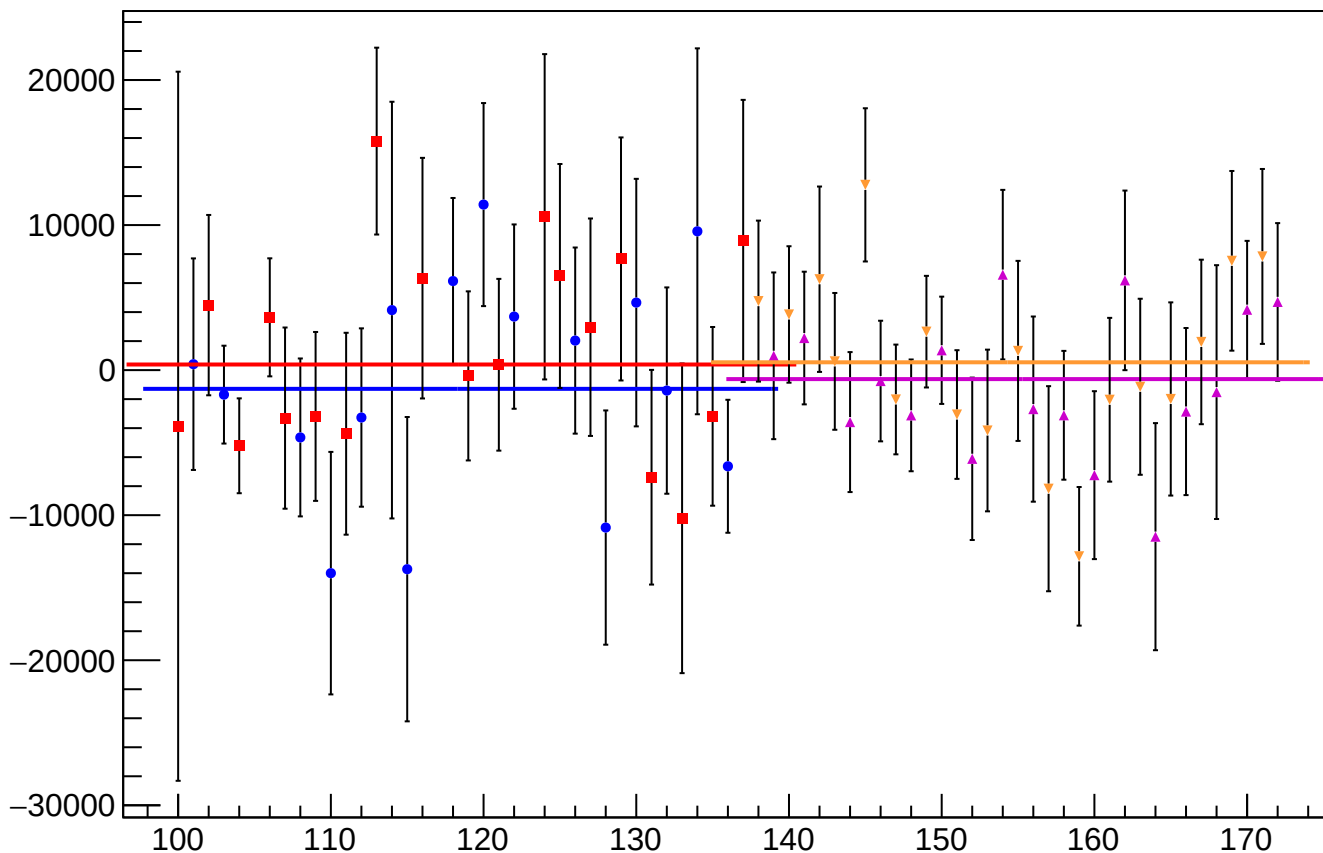
Left In: 1847.108+/-0.349 χ^2/NDF : 13856.9/16

+ sign 1873.518+/-0.288 χ^2/NDF : 729154.8/33

All: 1868.791+/-0.203 χ^2/NDF : 966511.7/69

- sign 1864.121+/-0.286 χ^2/NDF : 236821.9/35

asym_atr_avg_cor_correction_mean vs Slug



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

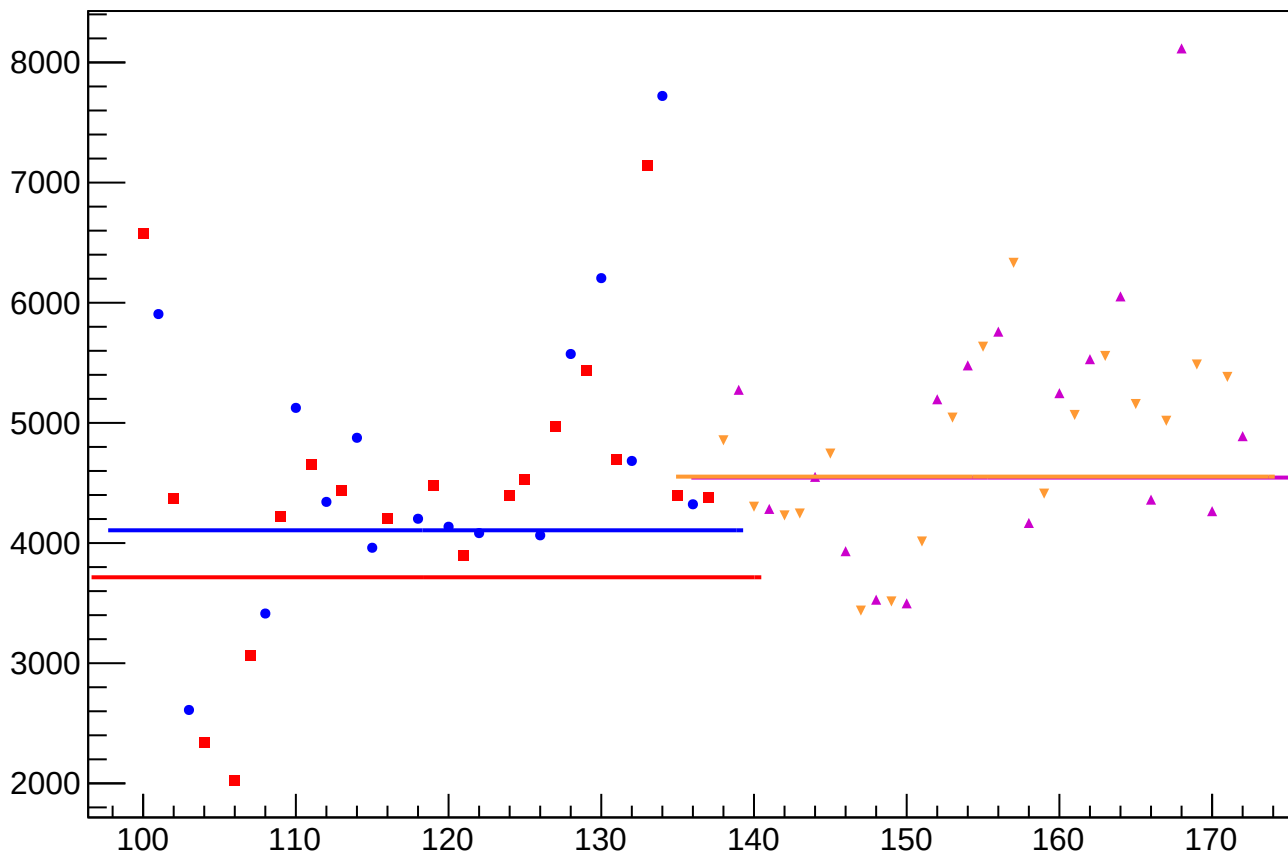
Left In: -618.875 ± 1240.725 χ^2/NDF : 11.0/16

+ sign -149.710 ± 972.763 χ^2/NDF : 37.1/33

All: -172.516 ± 677.129 χ^2/NDF : 65.4/69

- sign -193.953 ± 943.134 χ^2/NDF : 28.3/35

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

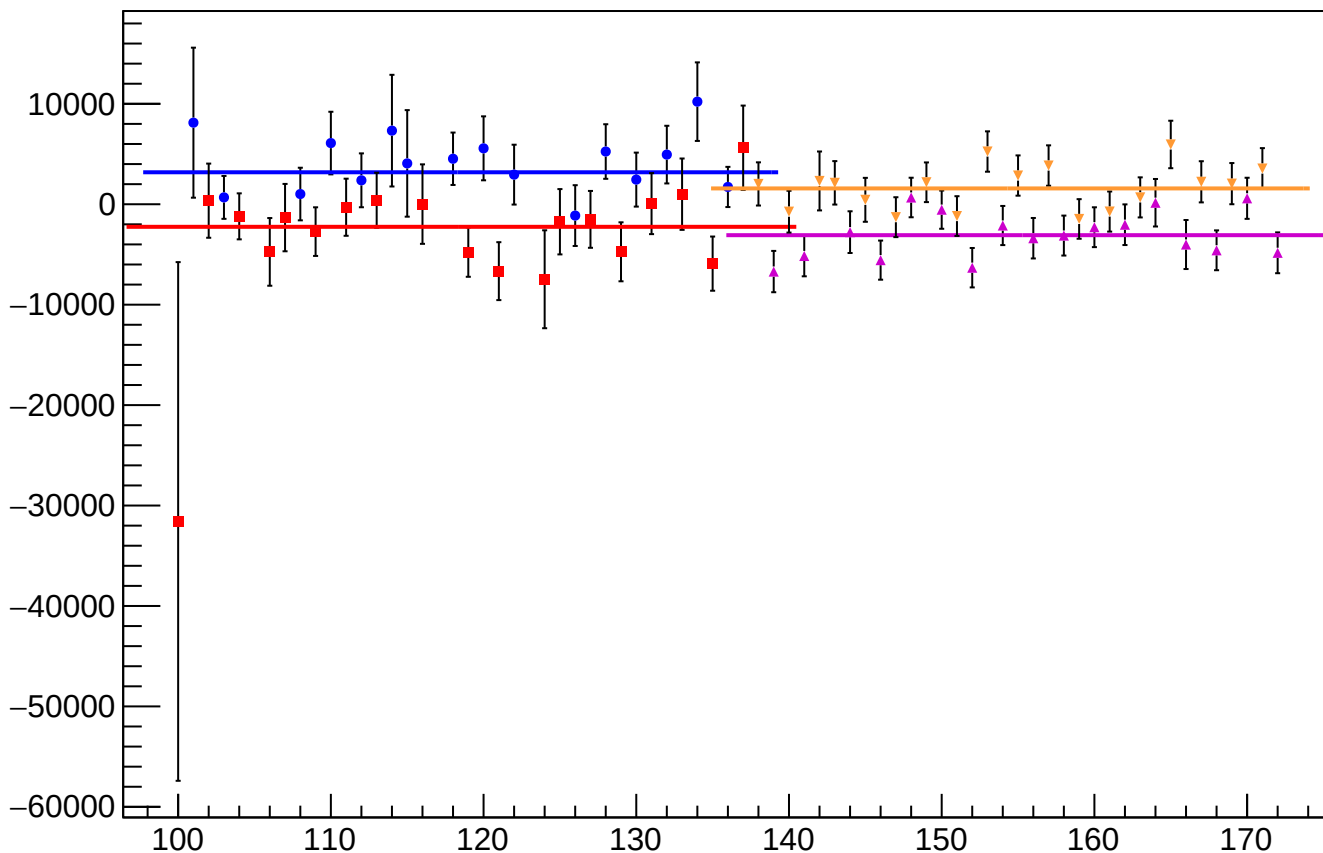
Left In: 4544.964+/-0.877 χ^2/NDF : 1051272.6/16

+ sign 4384.744+/-0.688 χ^2/NDF : 1820788.5/33

All: 4286.762+/-0.479 χ^2/NDF : 4624168.3/69

- sign 4194.658+/-0.667 χ^2/NDF : 2764014.7/35

eigen_cor_asym_atr_avg_mean vs Slug



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

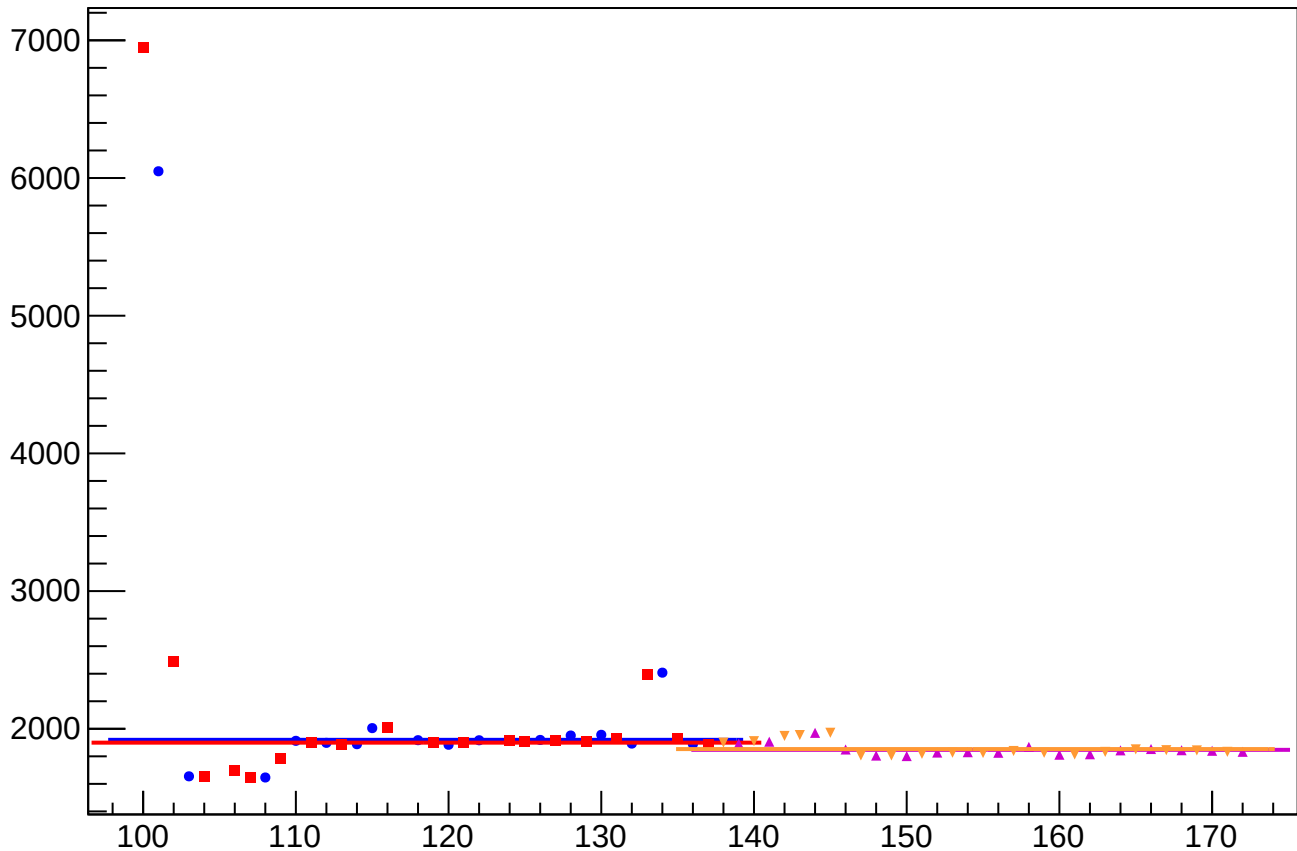
Left In: -3079.994 ± 493.166 χ^2/NDF : 21.2/16

+ sign 2074.505 ± 407.494 χ^2/NDF : 34.3/33

All: -381.175 ± 287.332 χ^2/NDF : 145.1/69

- sign -2809.430 ± 405.212 χ^2/NDF : 38.6/35

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

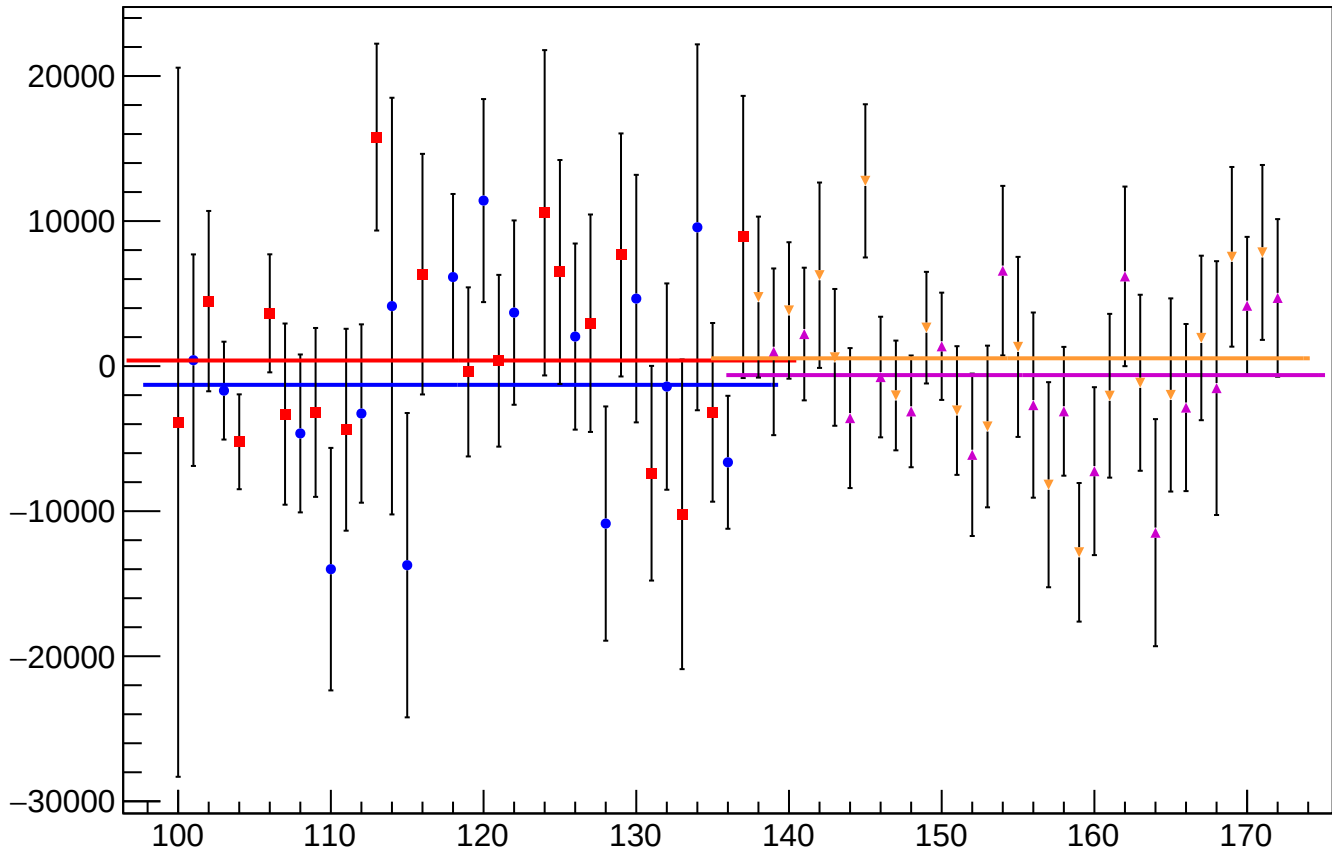
Left In: 1847.108+/-0.349 χ^2/NDF : 13856.9/16

+ sign 1873.518+/-0.288 χ^2/NDF : 729154.8/33

All: 1868.791+/-0.203 χ^2/NDF : 966511.7/69

- sign 1864.121+/-0.286 χ^2/NDF : 236821.9/35

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1290.862 $\pm$ 1585.435 χ^2 /NDF: 14.3/15

Left Out: 539.253 $\pm$ 1231.898 χ^2 /NDF: 22.0/17

Right Out: 387.626 $\pm$ 1451.530 χ^2 /NDF: 17.0/18

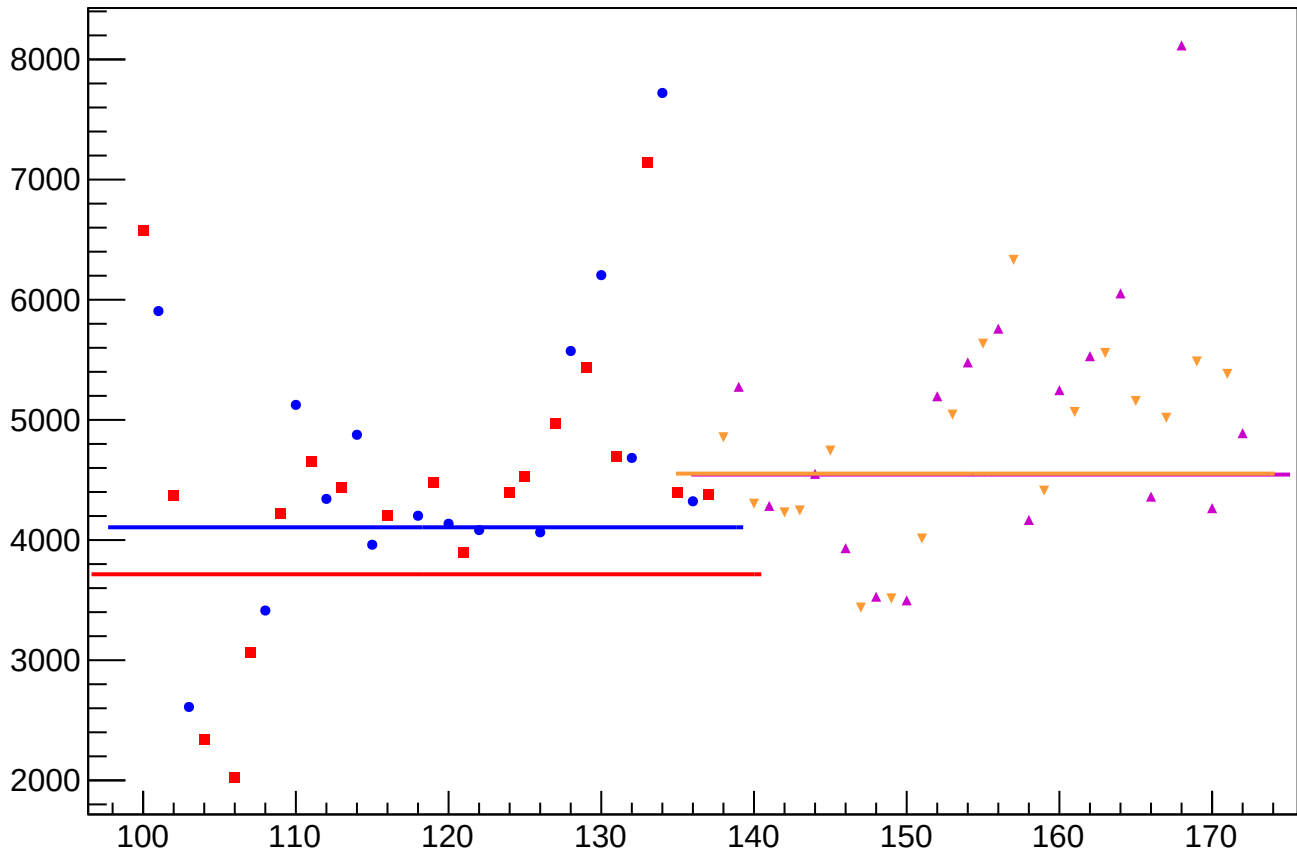
Left In: -618.875 $\pm$ 1240.725 χ^2 /NDF: 11.0/16

+ sign -149.710 $\pm$ 972.763 χ^2 /NDF: 37.1/33

All: -172.516 $\pm$ 677.129 χ^2 /NDF: 65.4/69

- sign -193.953 $\pm$ 943.134 χ^2 /NDF: 28.3/35

asym_atr_avg_eigen_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

+ sign 4384.744+/-0.688 χ^2/NDF : 1820788.5/33

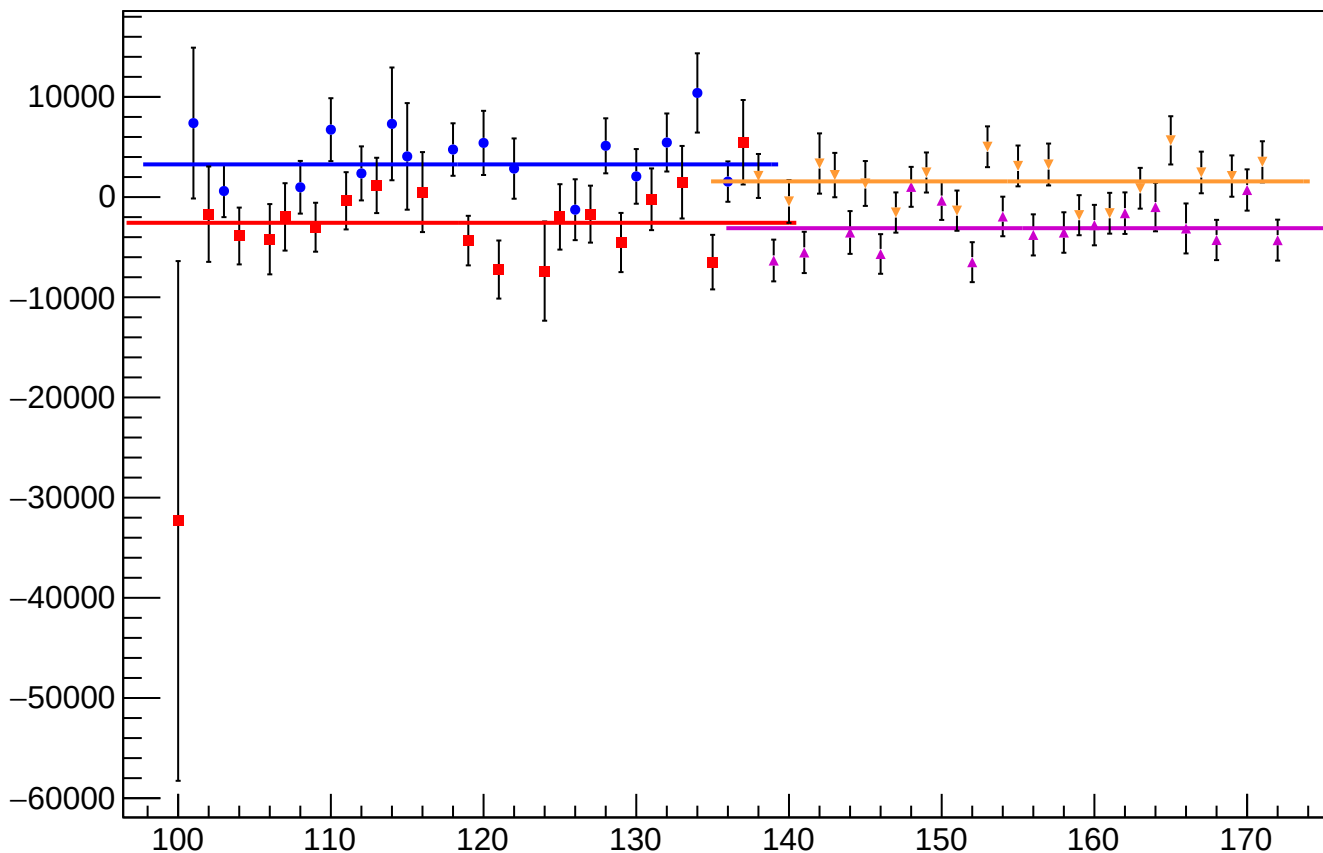
Right Out: 3715.202+/-1.026 χ^2/NDF : 1335100.7/18

All: 4286.762+/-0.479 χ^2/NDF : 4624168.3/69

- sign 4194.658+/-0.667 χ^2/NDF : 2764014.7/35

Left In: 4544.964+/-0.877 χ^2/NDF : 1051272.6/16

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

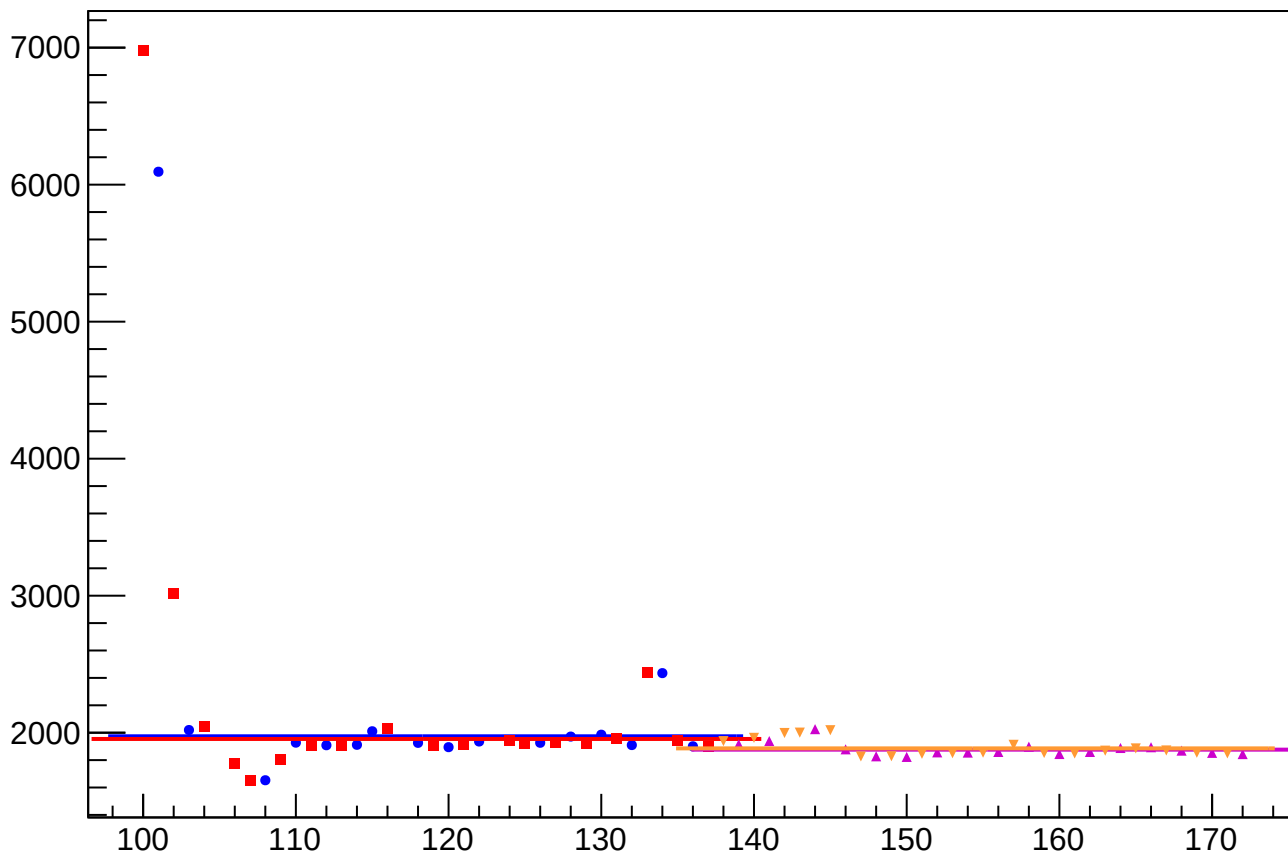
Left In: -3104.085+/-501.014 χ^2/NDF : 20.6/16

+ sign 2088.231+/-415.943 χ^2/NDF : 35.3/33

All: -434.657+/-293.413 χ^2/NDF : 146.6/69

- sign -2933.558+/-413.961 χ^2/NDF : 38.0/35

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

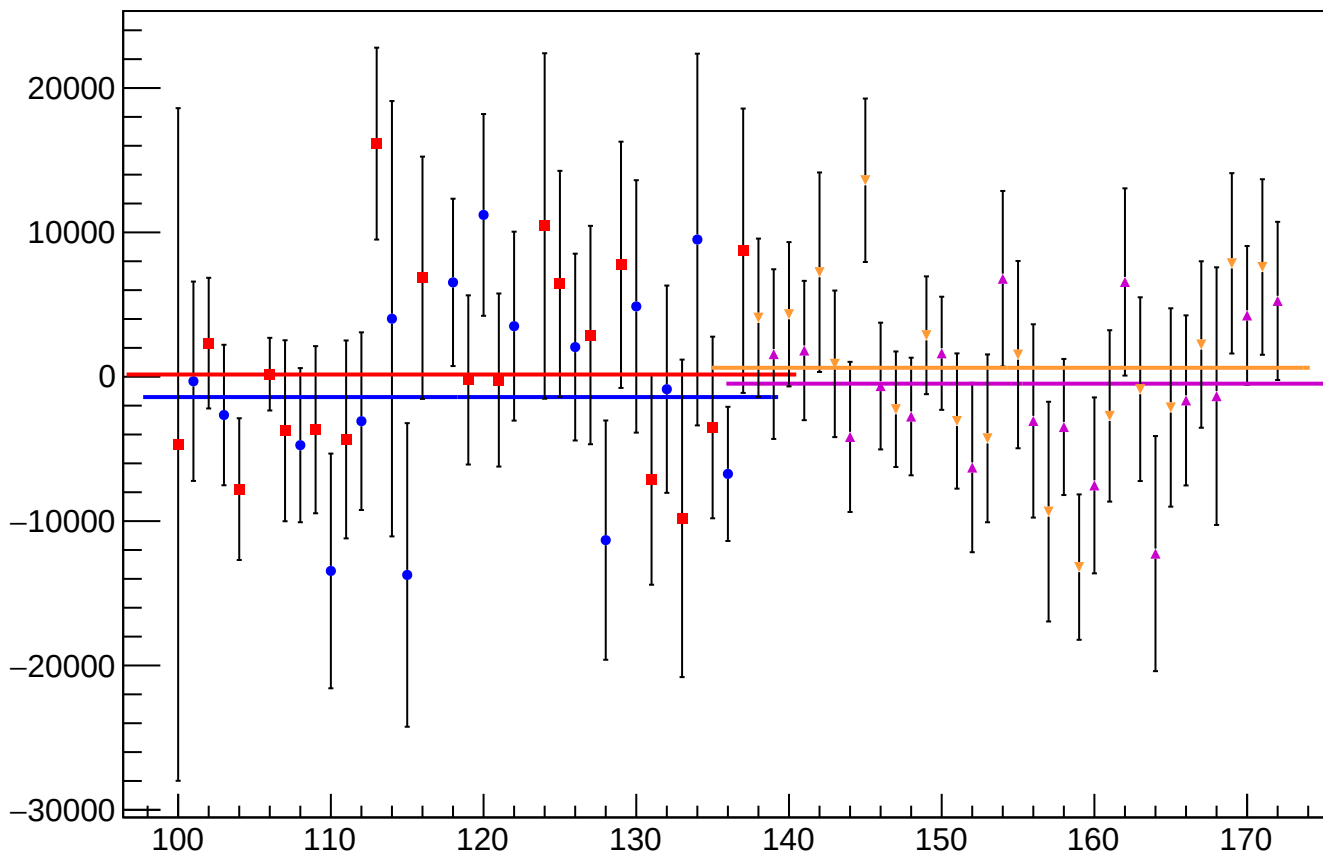
Left In: 1876.326+/-0.354 χ^2/NDF : 17450.5/16

+ sign 1912.649+/-0.294 χ^2/NDF : 711286.6/33

All: 1906.851+/-0.207 χ^2/NDF : 991127.2/69

- sign 1901.111+/-0.293 χ^2/NDF : 279067.2/35

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1407.382 ± 1689.989 $\chi^2/\text{NDF}: 14.2/15$

Left Out: 621.505 ± 1291.602 $\chi^2/\text{NDF}: 21.8/17$

Right Out: 155.271 ± 1363.642 $\chi^2/\text{NDF}: 15.8/18$

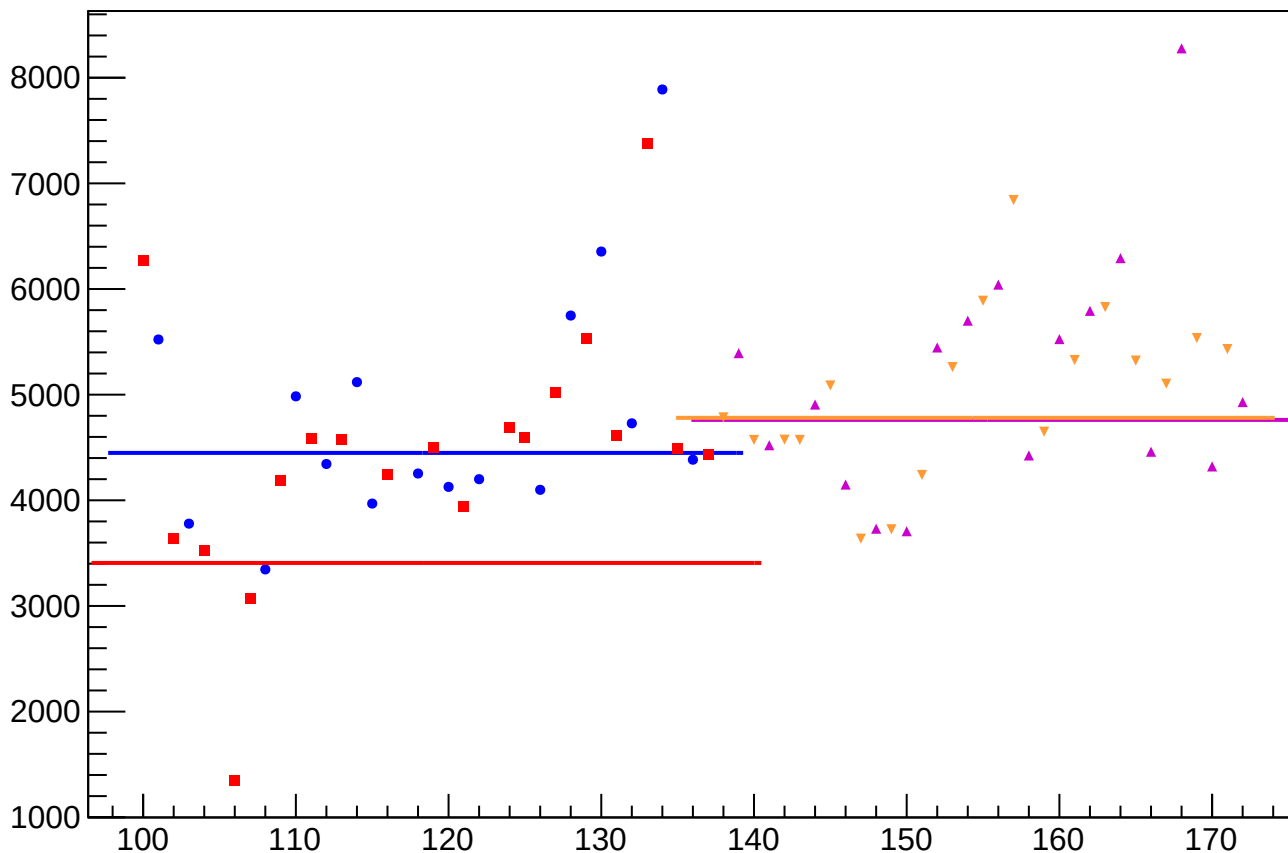
Left In: -479.133 ± 1298.184 $\chi^2/\text{NDF}: 11.1/16$

+ sign -126.603 ± 1026.212 $\chi^2/\text{NDF}: 36.9/33$

All: -154.284 ± 693.256 $\chi^2/\text{NDF}: 64.0/69$

- sign -177.523 ± 940.244 $\chi^2/\text{NDF}: 27.1/35$

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

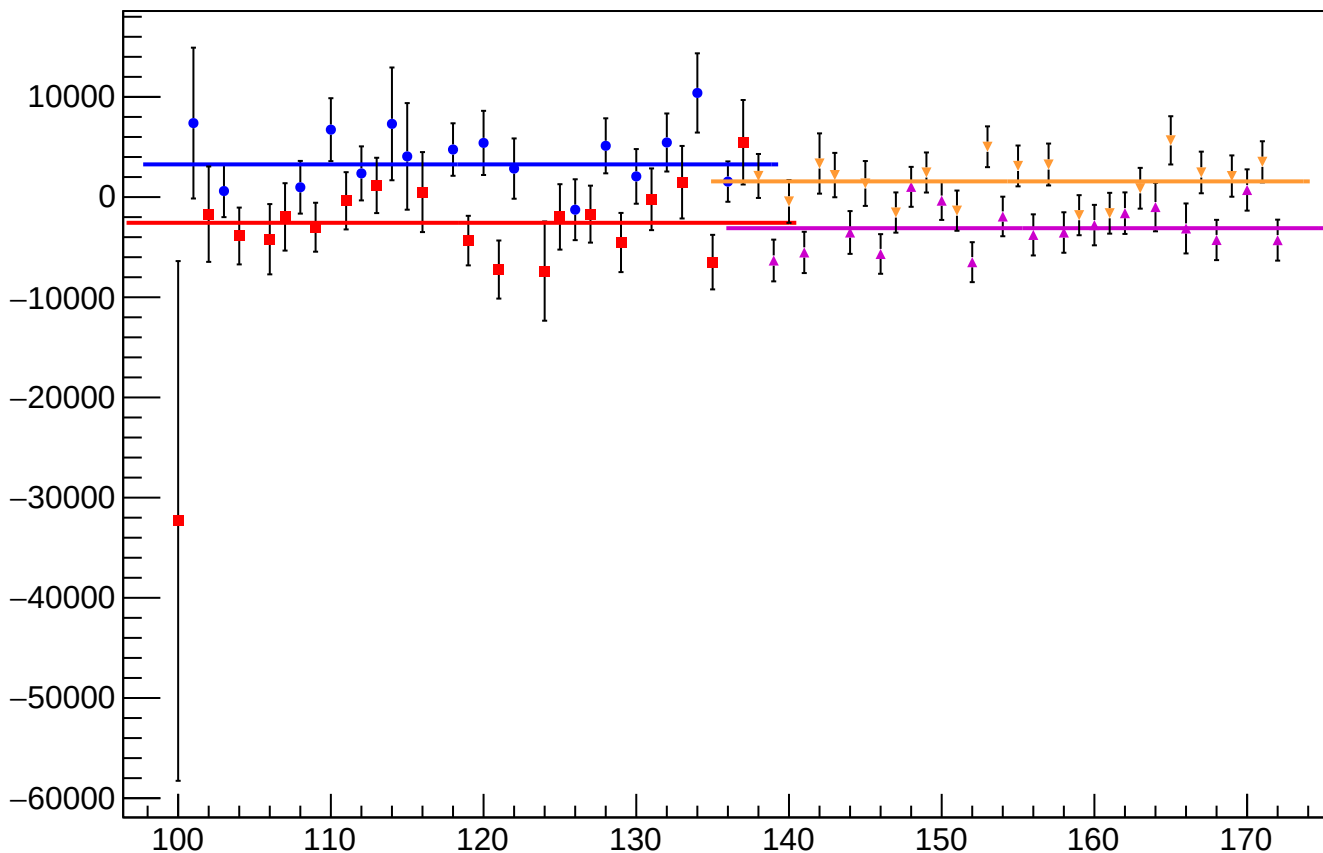
Left In: 4761.066+/-0.918 χ^2/NDF : 986867.7/16

+ sign 4658.282+/-0.726 χ^2/NDF : 1243907.5/33

All: 4364.225+/-0.490 χ^2/NDF : 5893182.9/69

- sign 4117.372+/-0.665 χ^2/NDF : 4347202.3/35

eigen_dit_asym_atr_avg_mean vs Slug



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

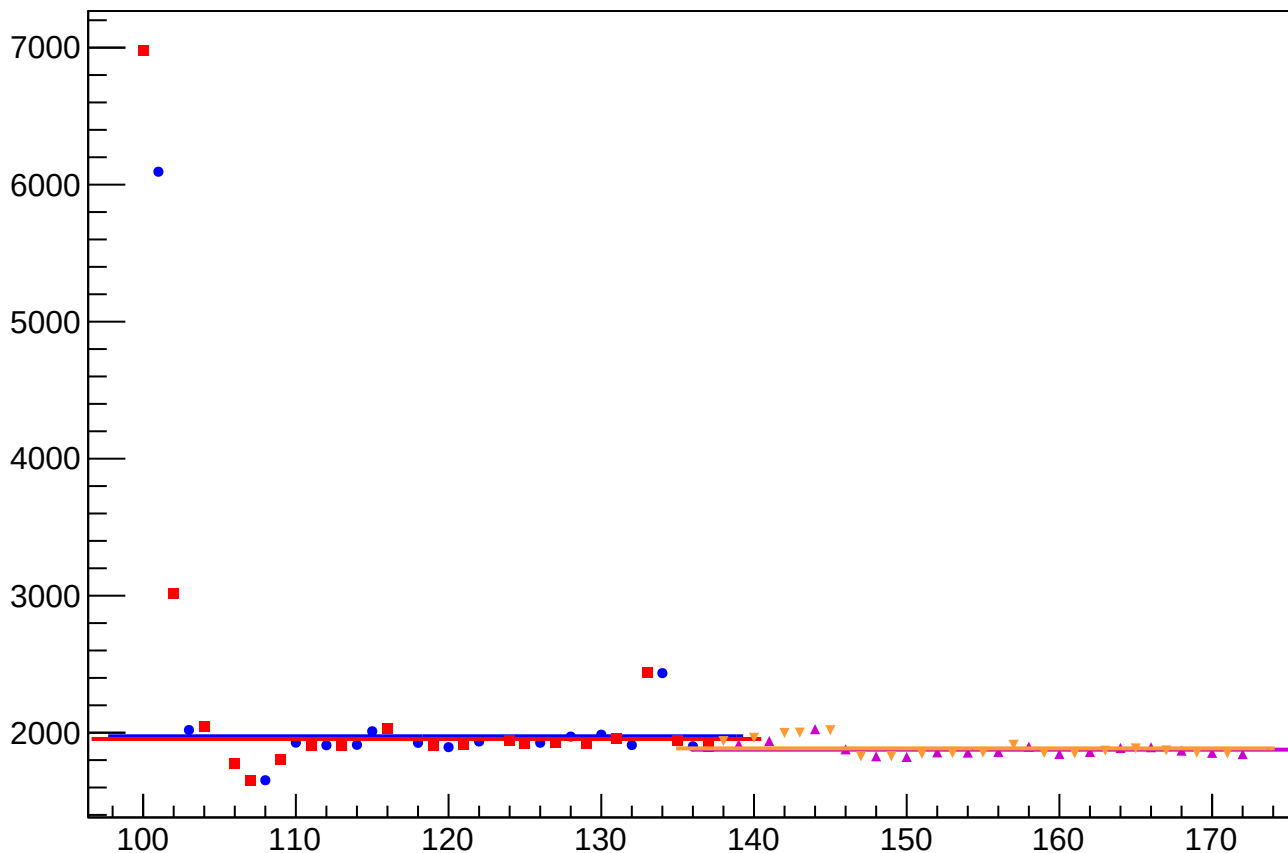
Left In: -3104.088 ± 501.014 χ^2/NDF : 20.6/16

+ sign 2088.228 ± 415.944 χ^2/NDF : 35.3/33

All: -434.660 ± 293.413 χ^2/NDF : 146.6/69

- sign -2933.562 ± 413.961 χ^2/NDF : 38.0/35

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

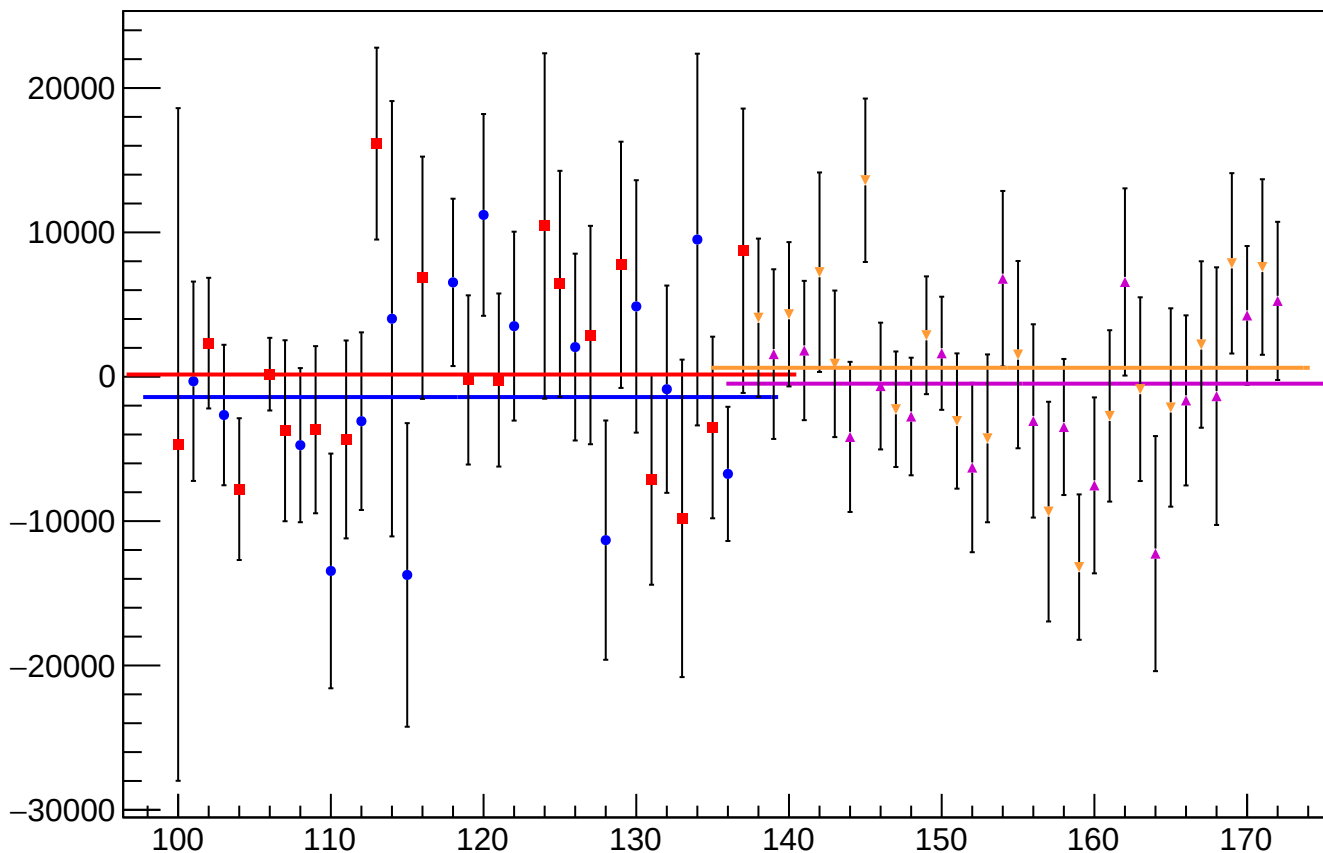
Left In: 1876.327+/-0.354 χ^2/NDF : 17450.5/16

+ sign 1912.650+/-0.294 χ^2/NDF : 711286.2/33

All: 1906.851+/-0.207 χ^2/NDF : 991125.8/69

- sign 1901.111+/-0.293 χ^2/NDF : 279066.2/35

asym_atr_avg_eigen_dit_correction_mean vs Slug



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

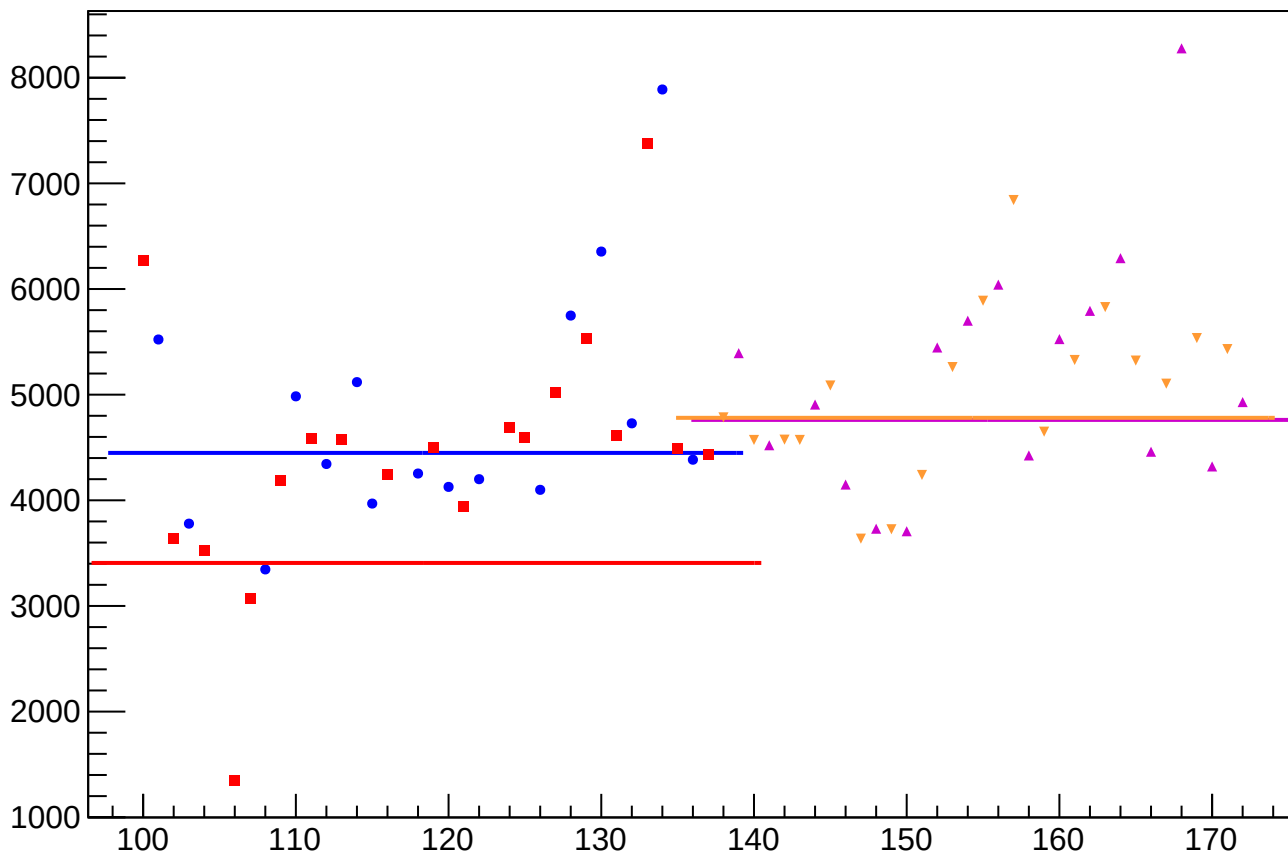
Left In: -479.131 ± 1298.186 χ^2/NDF : 11.1/16

+ sign -126.600 ± 1026.212 χ^2/NDF : 36.9/33

All: -154.282 ± 693.256 χ^2/NDF : 64.0/69

- sign -177.520 ± 940.244 χ^2/NDF : 27.1/35

asym_atr_avg_eigen_dit_correction_rms vs Slug



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

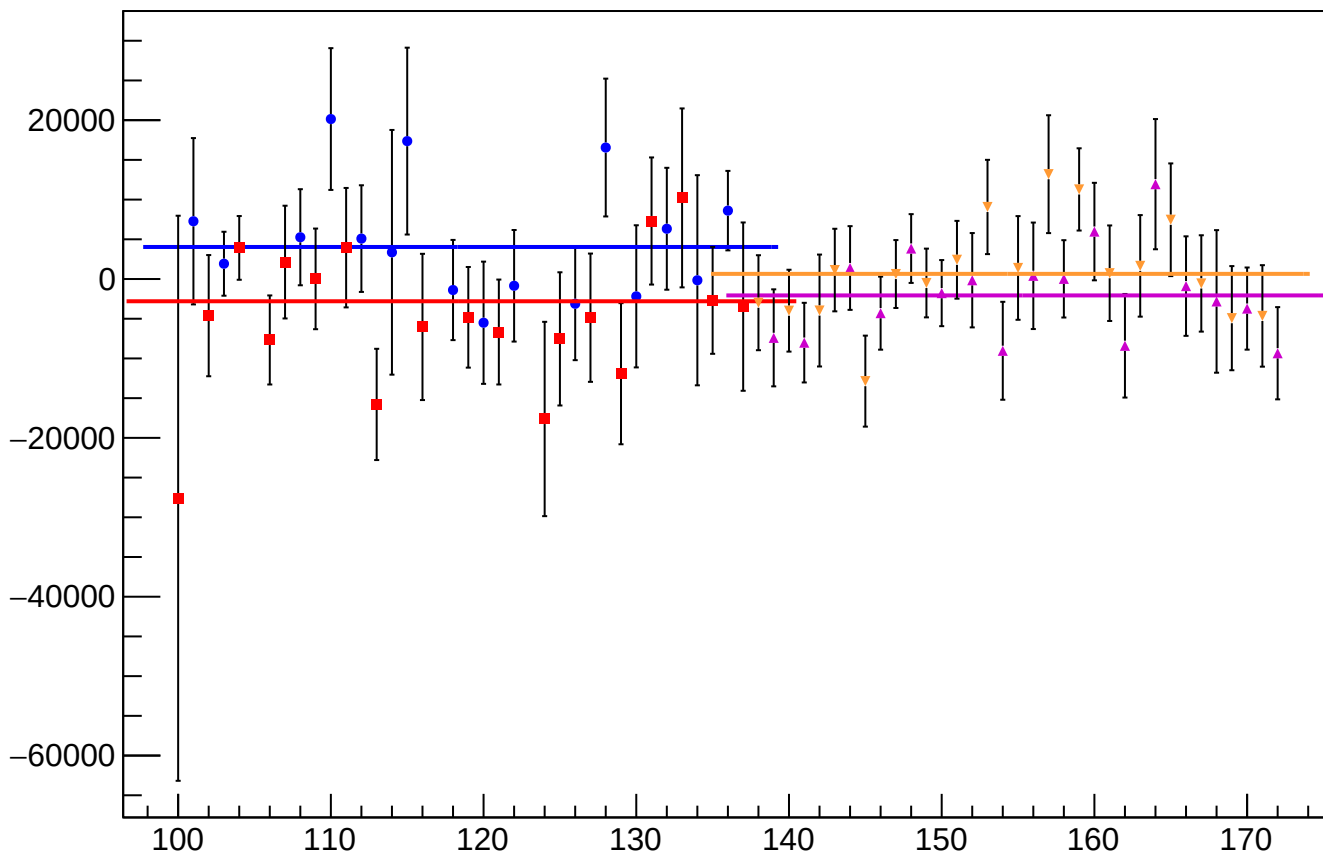
Left In: 4761.073+/-0.918 χ^2/NDF : 986867.9/16

+ sign 4658.283+/-0.726 χ^2/NDF : 1243908.7/33

All: 4364.224+/-0.490 χ^2/NDF : 5893216.7/69

- sign 4117.369+/-0.665 χ^2/NDF : 4347230.2/35

asym_atr_avg_mean vs Slug



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

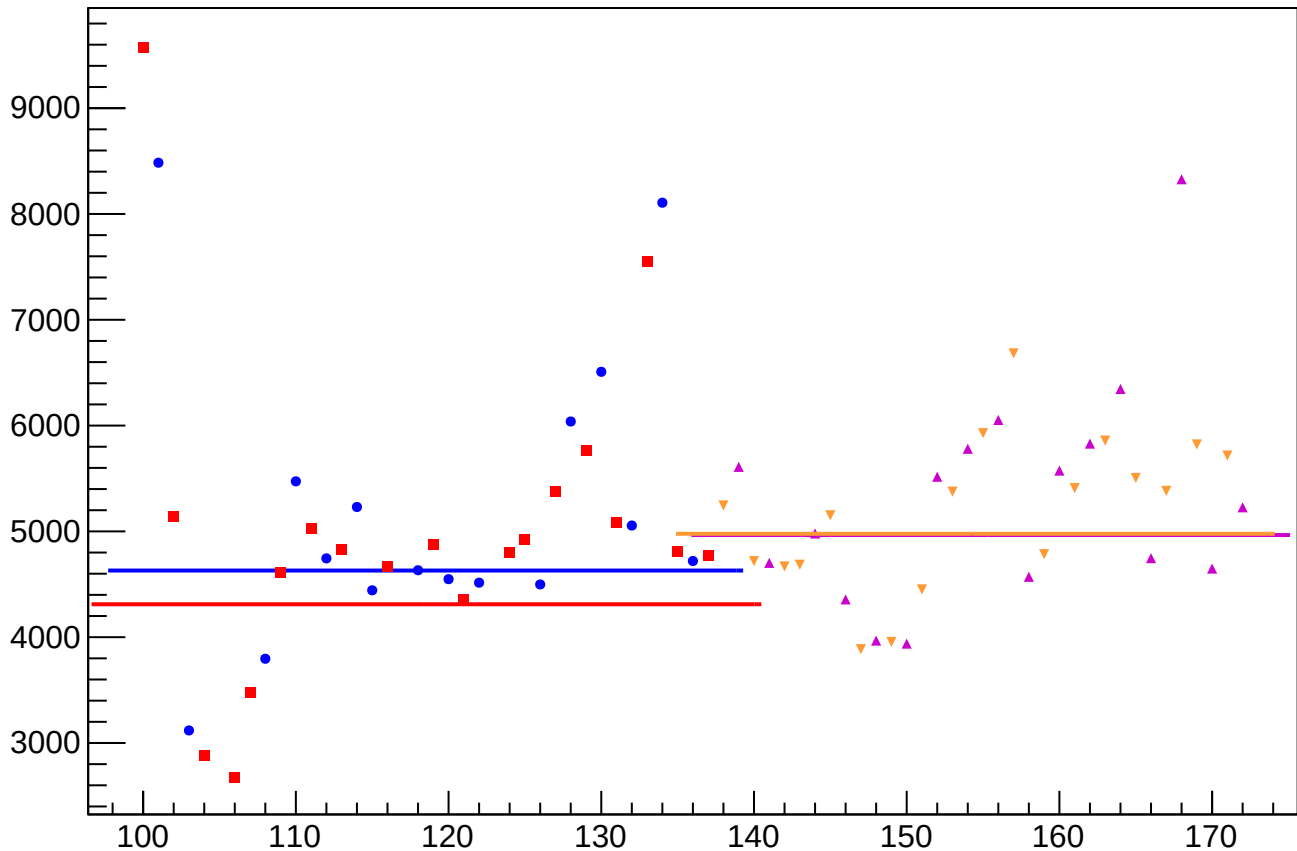
Left In: -2064.989+/-1348.503 χ^2/NDF : 13.7/16

+ sign 1871.106+/-1070.780 χ^2/NDF : 33.5/33

All: -284.057+/-749.565 χ^2/NDF : 70.7/69

- sign -2354.909+/-1049.626 χ^2/NDF : 29.3/35

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

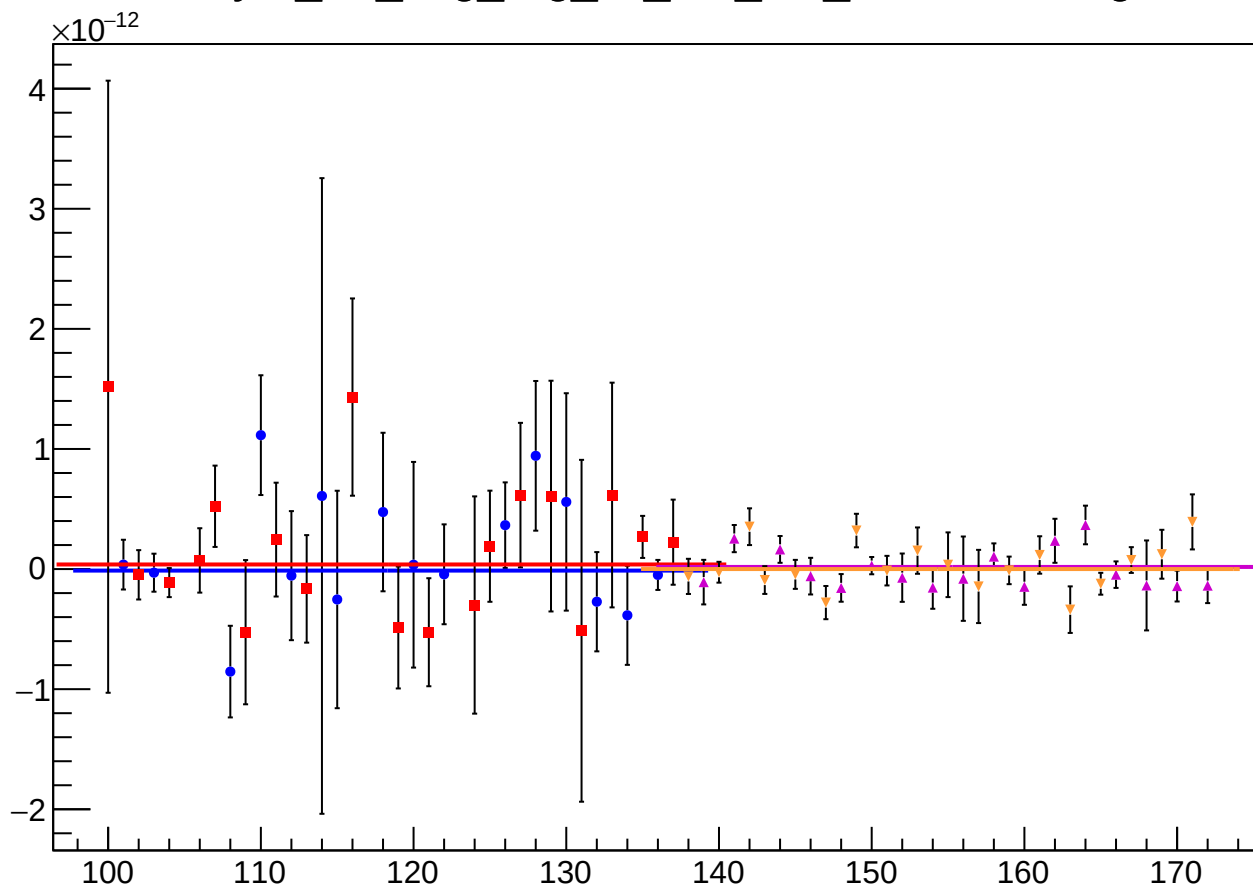
Left In: 4965.388+/-0.954 χ^2/NDF : 814802.4/16

+ sign 4851.886+/-0.757 χ^2/NDF : 1522866.2/33

All: 4776.637+/-0.529 χ^2/NDF : 3449175.8/69

- sign 4704.827+/-0.740 χ^2/NDF : 1907006.7/35

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

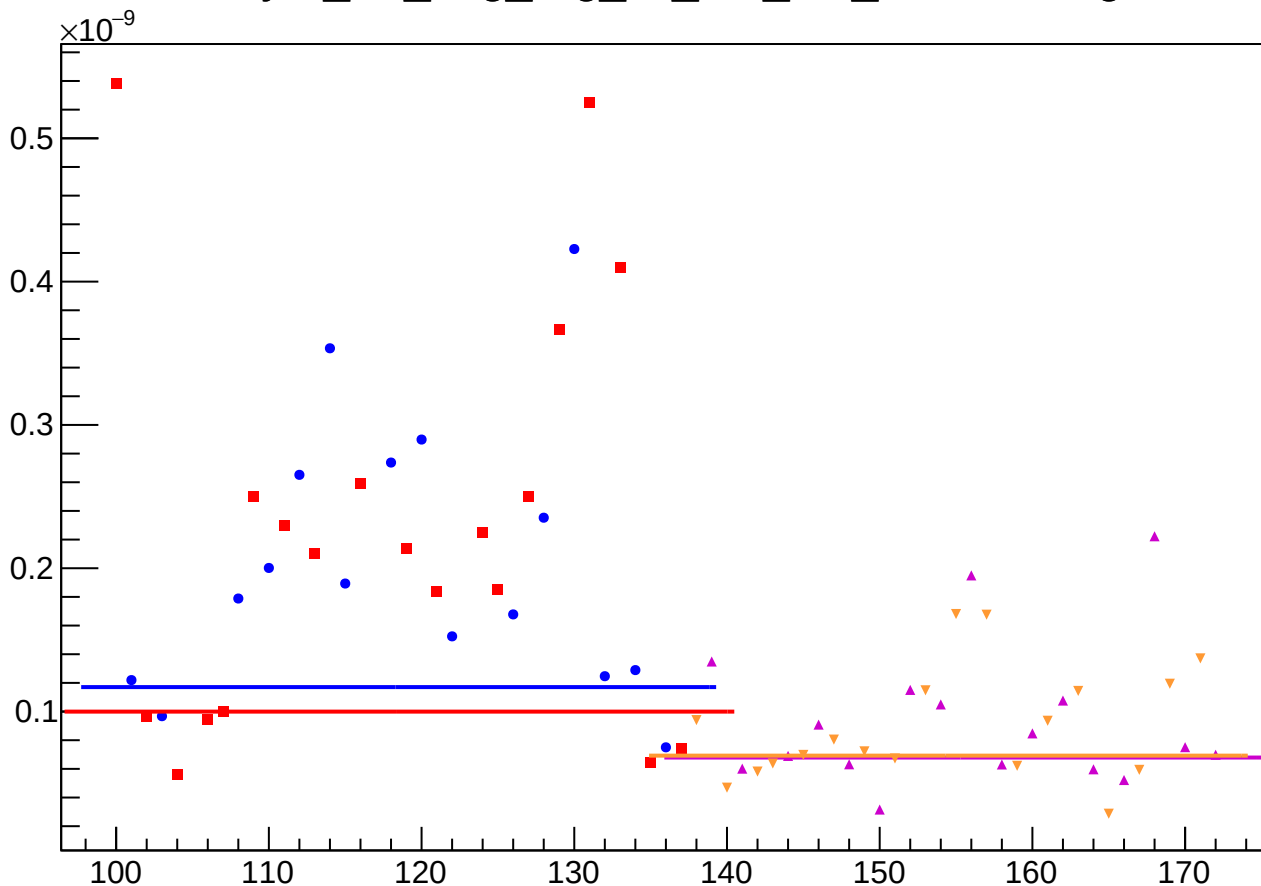
Left In: 0.000 ± 0.000 χ^2/NDF : 21.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 41.7/33

All: 0.000 ± 0.000 χ^2/NDF : 78.5/69

- sign 0.000 ± 0.000 χ^2/NDF : 36.5/35

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

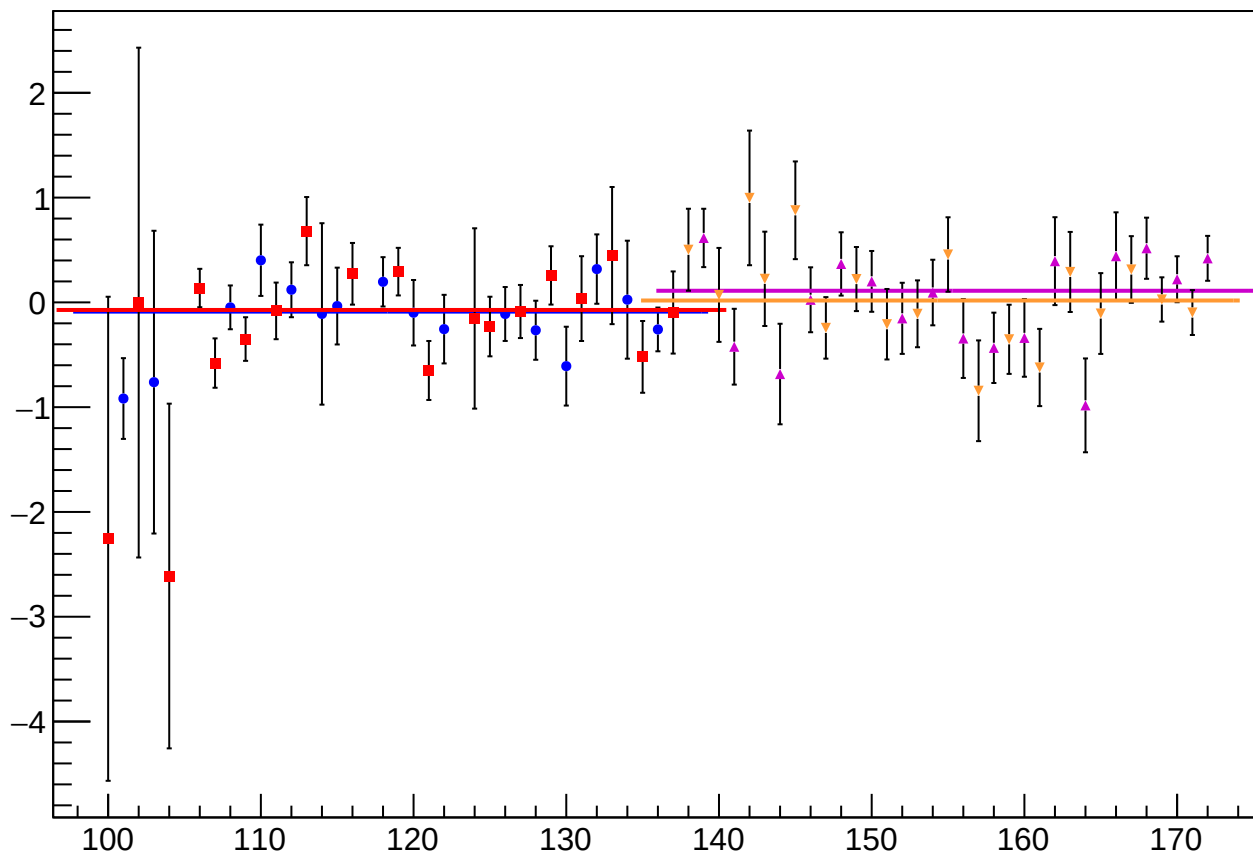
Left In: 0.000+/-0.000 χ^2/NDF : 1804707.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 3466451.2/33

All: 0.000+/-0.000 χ^2/NDF : 7452656.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3973637.9/35

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

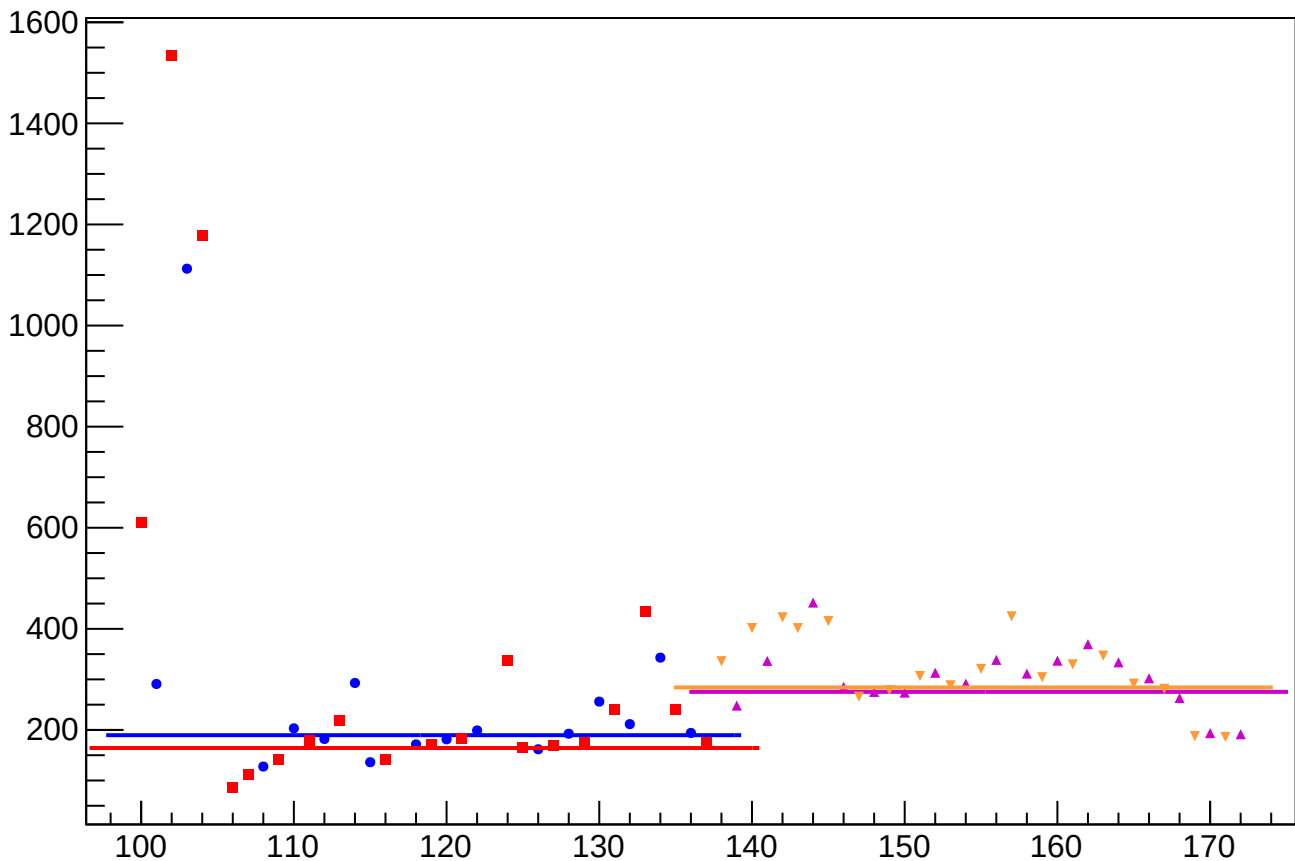
Left In: 0.111 ± 0.076 χ^2/NDF : 26.6/16

+ sign -0.036 ± 0.055 χ^2/NDF : 34.9/33

All: -0.011 ± 0.038 χ^2/NDF : 93.7/69

- sign 0.011 ± 0.052 χ^2/NDF : 58.4/35

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465476.9/15

Left Out: 284.067 $\pm$ 0.056 χ^2 /NDF:1695800.9/17

Right Out: 164.287 $\pm$ 0.050 χ^2 /NDF: 2643490.2/18

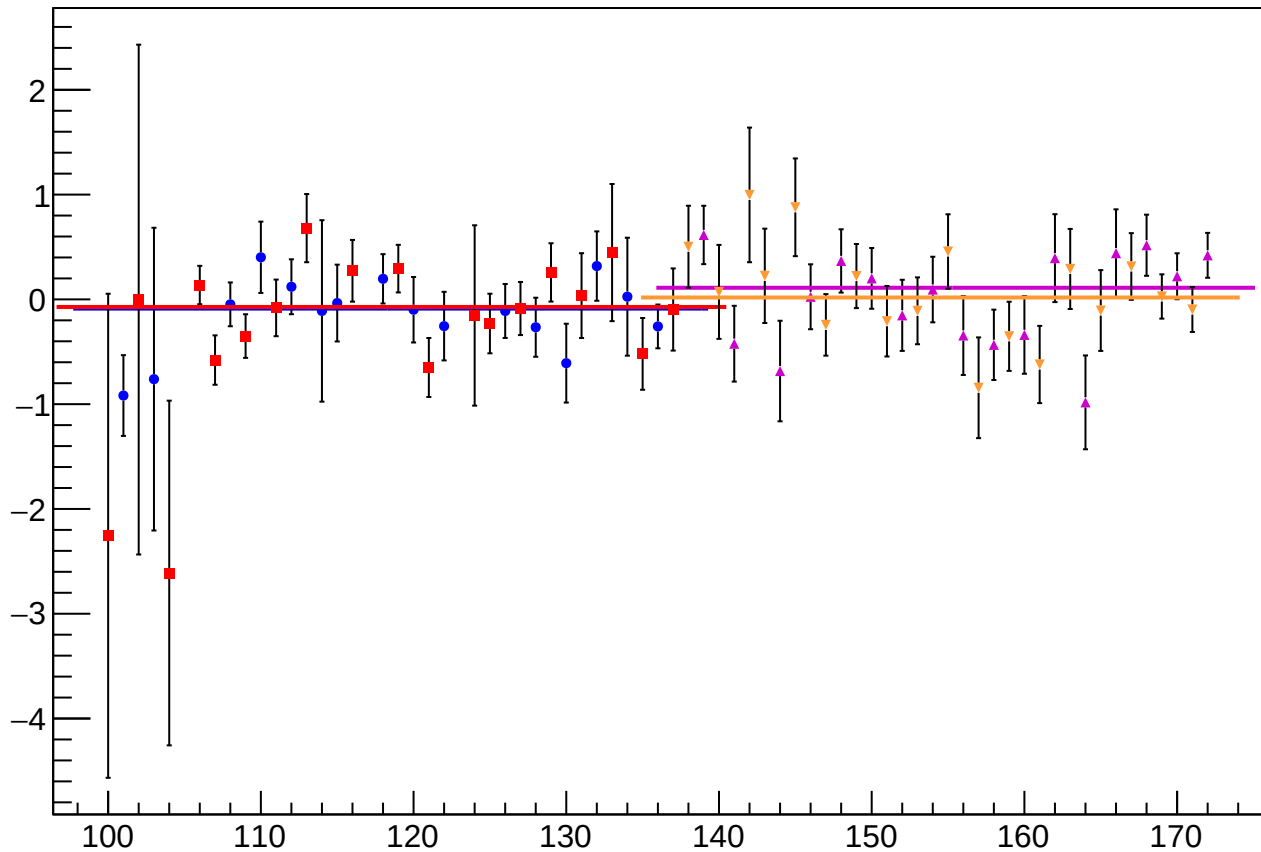
Left In: 275.333 $\pm$ 0.054 χ^2 /NDF:1245462.4/16

+ sign 235.585 $\pm$ 0.039 χ^2 /NDF: 4634140.3/33

All: 224.599 $\pm$ 0.027 χ^2 /NDF: 10966969.9/69

- sign 214.913 $\pm$ 0.037 χ^2 /NDF: 6182699.9/35

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

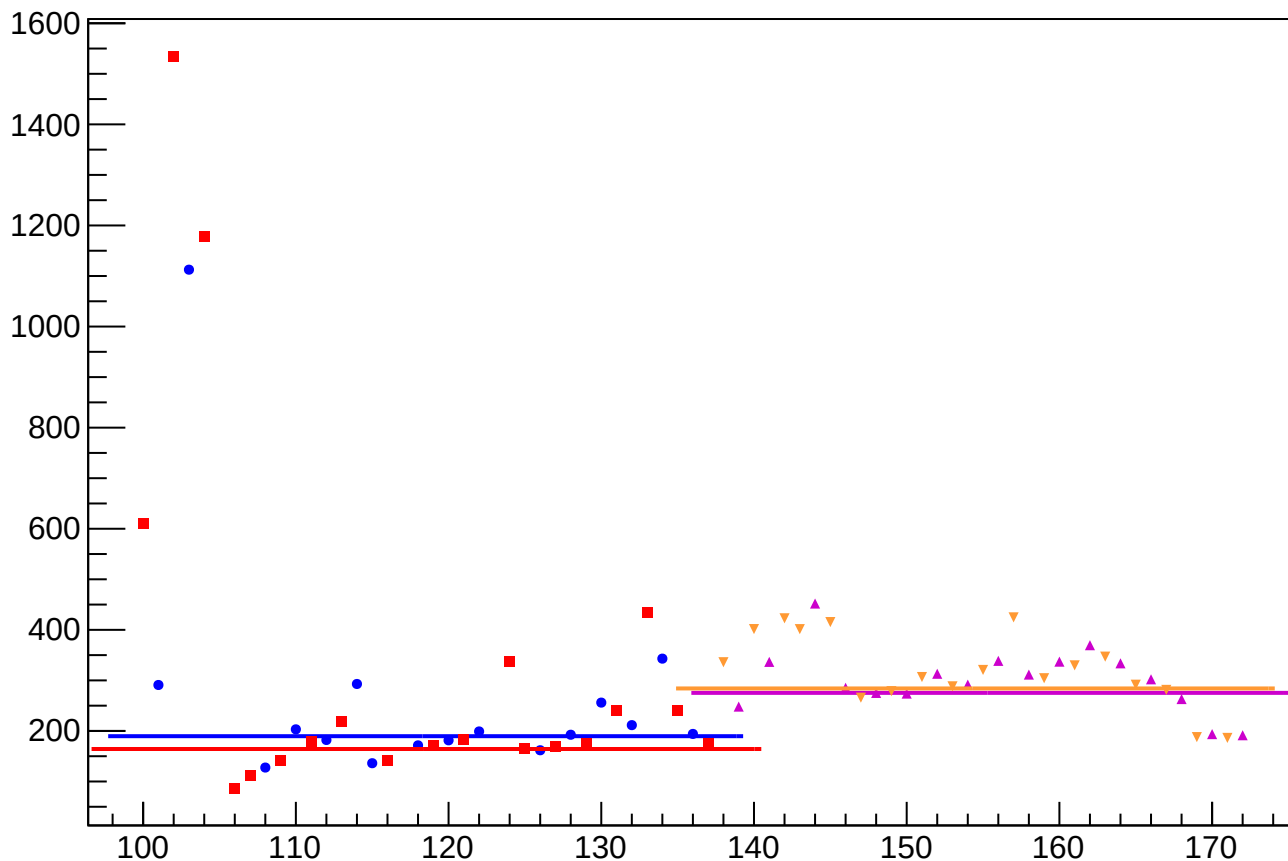
Left In: 0.111 ± 0.076 χ^2/NDF : 26.6/16

+ sign -0.036 ± 0.055 χ^2/NDF : 34.9/33

All: -0.011 ± 0.038 χ^2/NDF : 93.7/69

- sign 0.011 ± 0.052 χ^2/NDF : 58.4/35

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

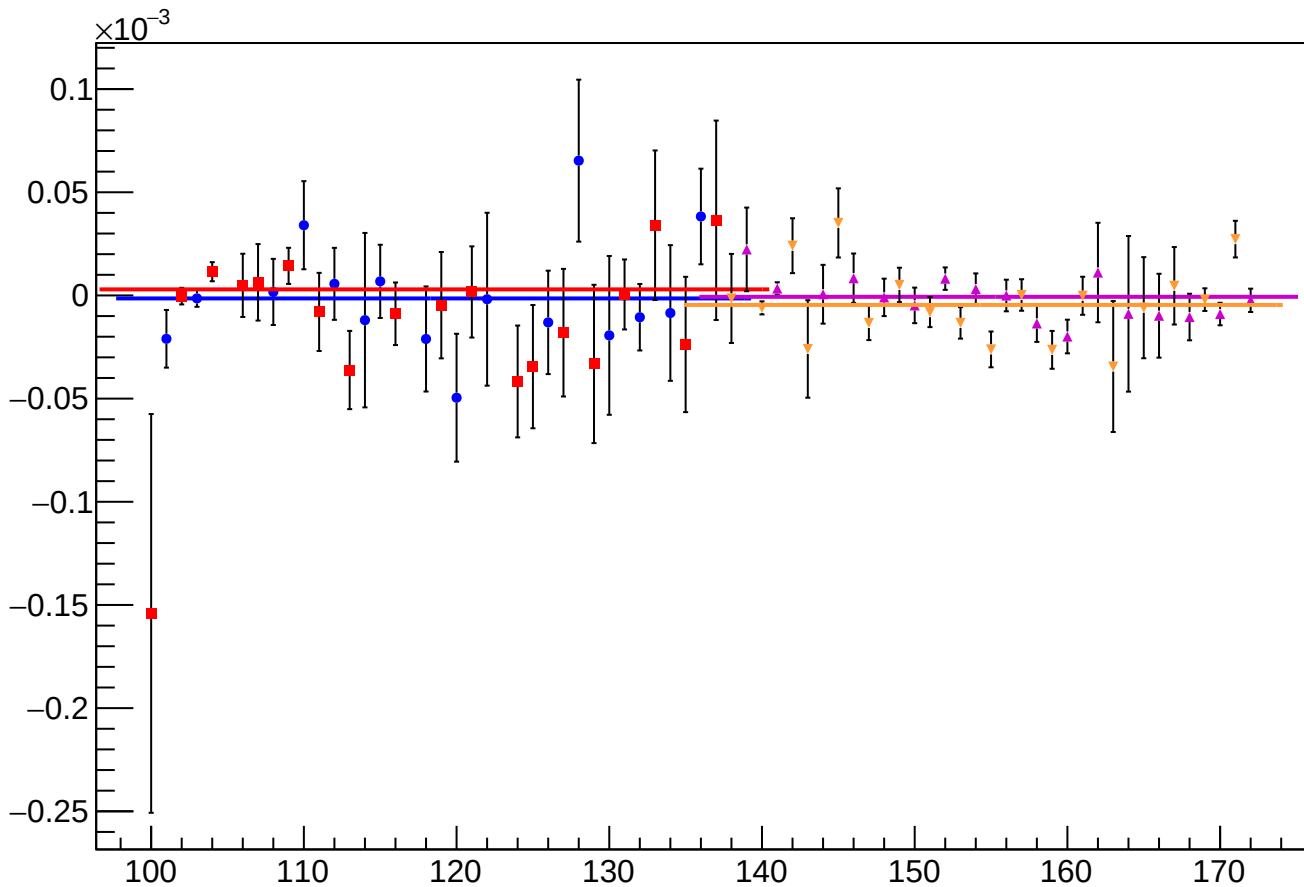
Left In: 275.333+/-0.054 χ^2/NDF : 1245462.4/16

+ sign 235.585+/-0.039 χ^2/NDF : 4634140.3/33

All: 224.599+/-0.027 χ^2/NDF : 10966969.9/69

- sign 214.913+/-0.037 χ^2/NDF : 6182699.9/35

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

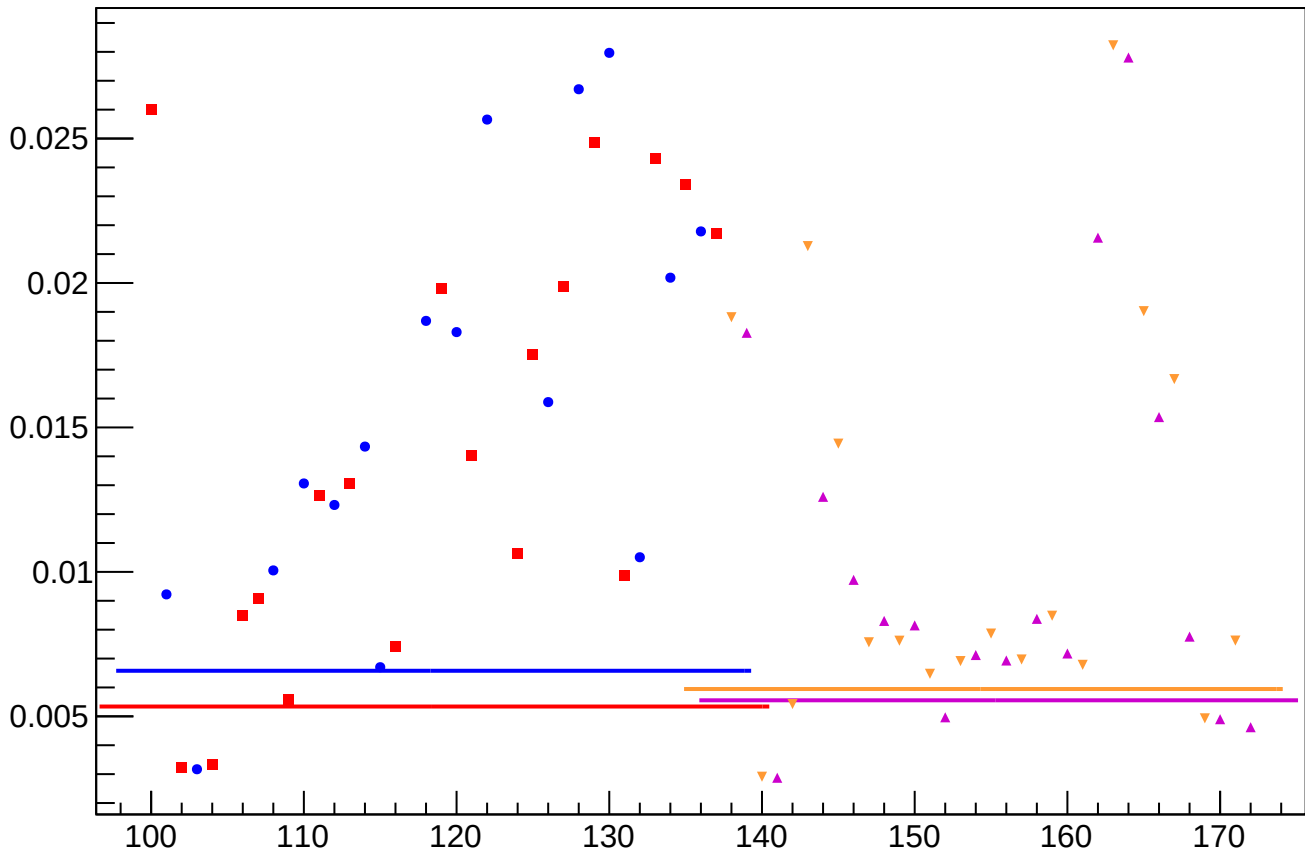
Left In: -0.000+/-0.000 χ^2/NDF : 18.0/16

+ sign -0.000+/-0.000 χ^2/NDF : 57.5/33

All: -0.000+/-0.000 χ^2/NDF : 102.1/69

- sign 0.000+/-0.000 χ^2/NDF : 40.6/35

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5928012.0/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 6752431.7/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 5685915.4/18

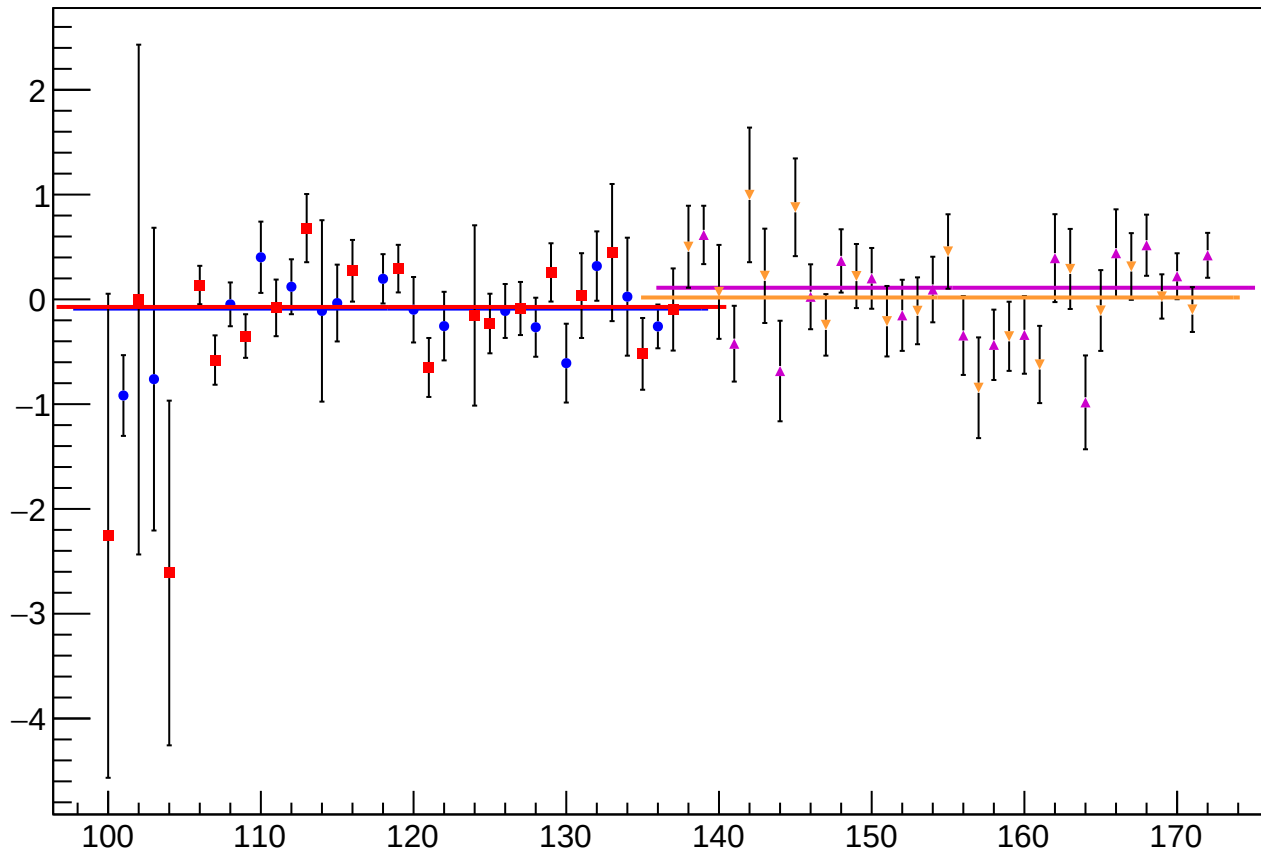
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 6074414.1/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 12735378.3/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 24662550.7/69

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 11769897.4/35

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

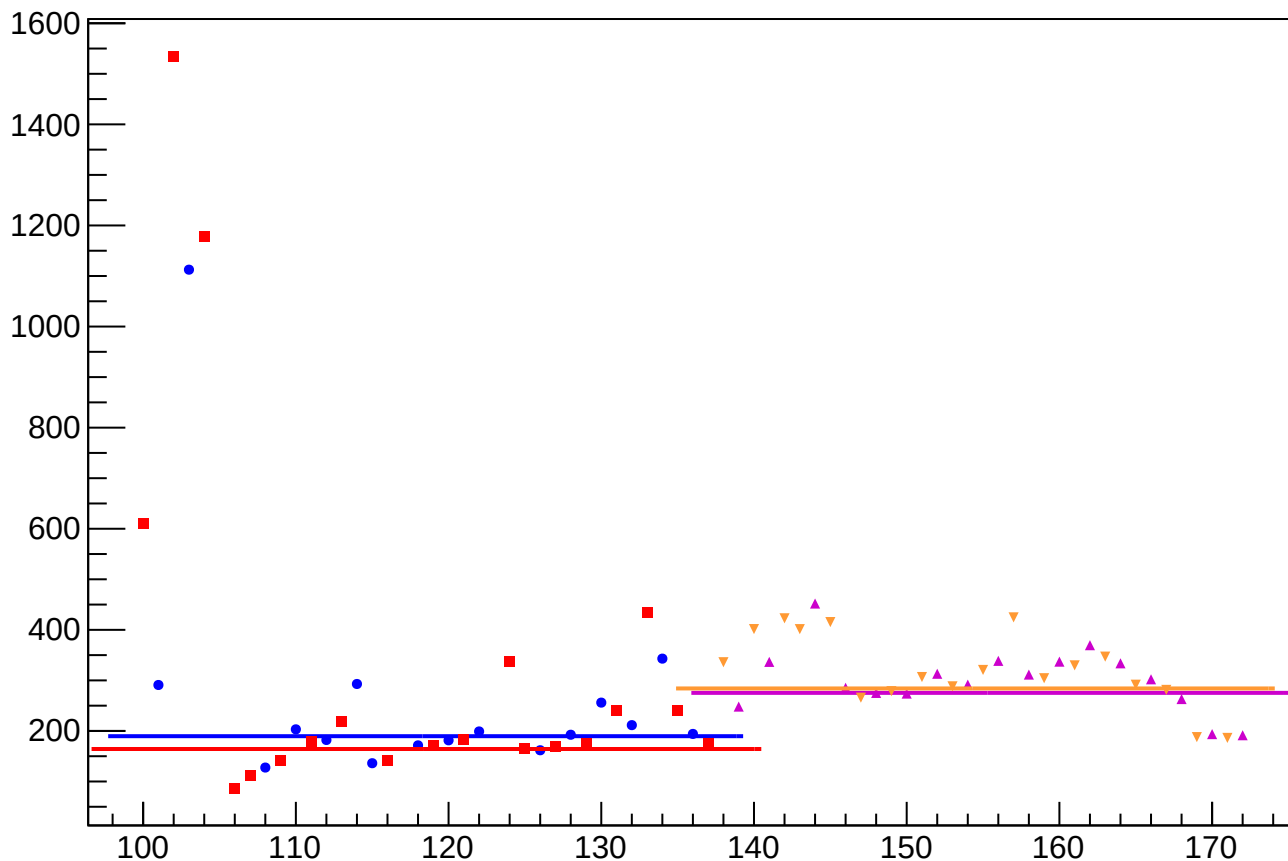
Left In: 0.111 ± 0.076 χ^2/NDF : 26.6/16

+ sign -0.036 ± 0.055 χ^2/NDF : 34.9/33

All: -0.011 ± 0.038 χ^2/NDF : 93.7/69

- sign 0.011 ± 0.052 χ^2/NDF : 58.4/35

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

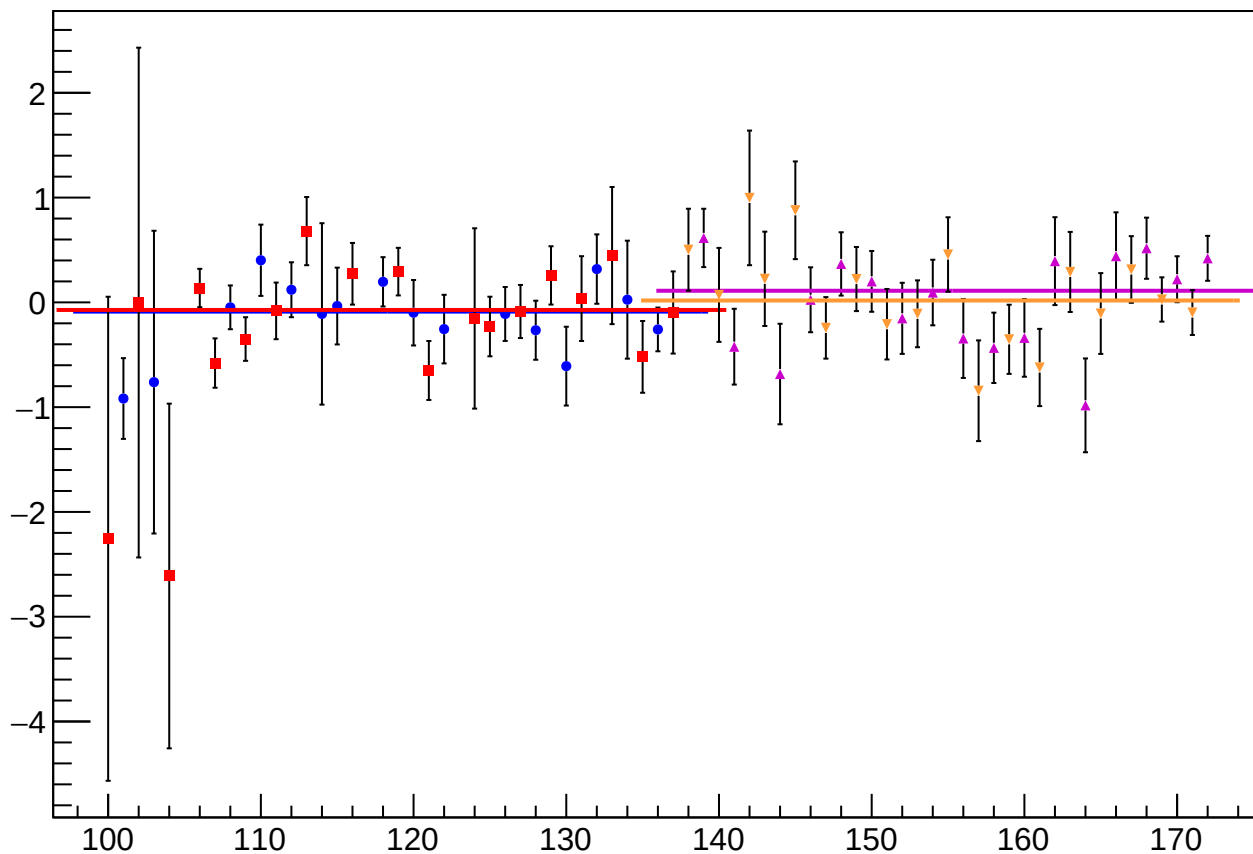
Left In: 275.337+/-0.054 χ^2/NDF : 1245500.8/16

+ sign 235.585+/-0.039 χ^2/NDF : 4634305.6/33

All: 224.599+/-0.027 χ^2/NDF : 10967292.5/69

- sign 214.913+/-0.037 χ^2/NDF : 6182856.6/35

asym_atr_avg_eigen_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

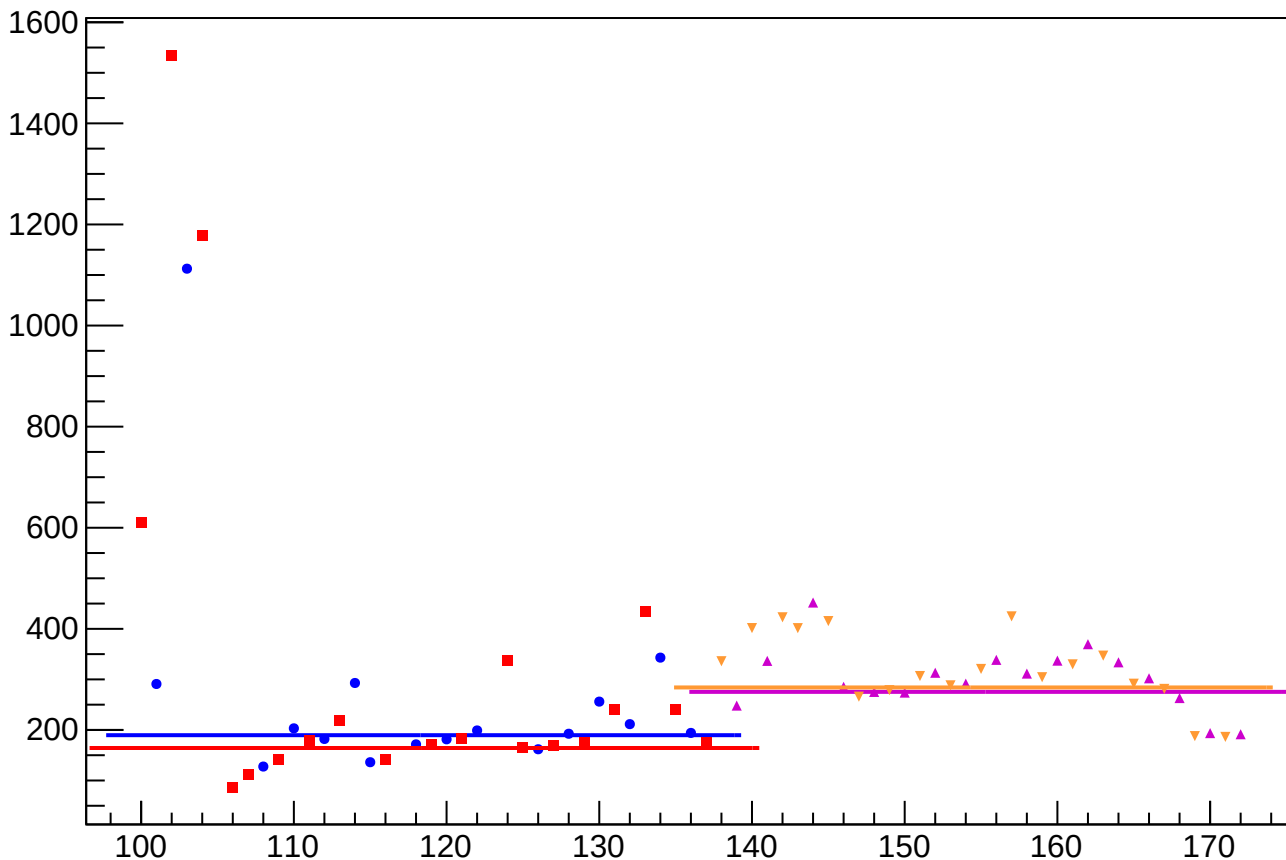
Left In: 0.111 ± 0.076 χ^2/NDF : 26.6/16

+ sign -0.036 ± 0.055 χ^2/NDF : 34.9/33

All: -0.011 ± 0.038 χ^2/NDF : 93.7/69

- sign 0.011 ± 0.052 χ^2/NDF : 58.4/35

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.628 $\pm$ 0.054 χ^2 /NDF: 1465464.1/15

Left Out: 284.069 $\pm$ 0.056 χ^2 /NDF:1695890.1/17

Right Out: 164.286 $\pm$ 0.050 χ^2 /NDF: 2643465.6/18

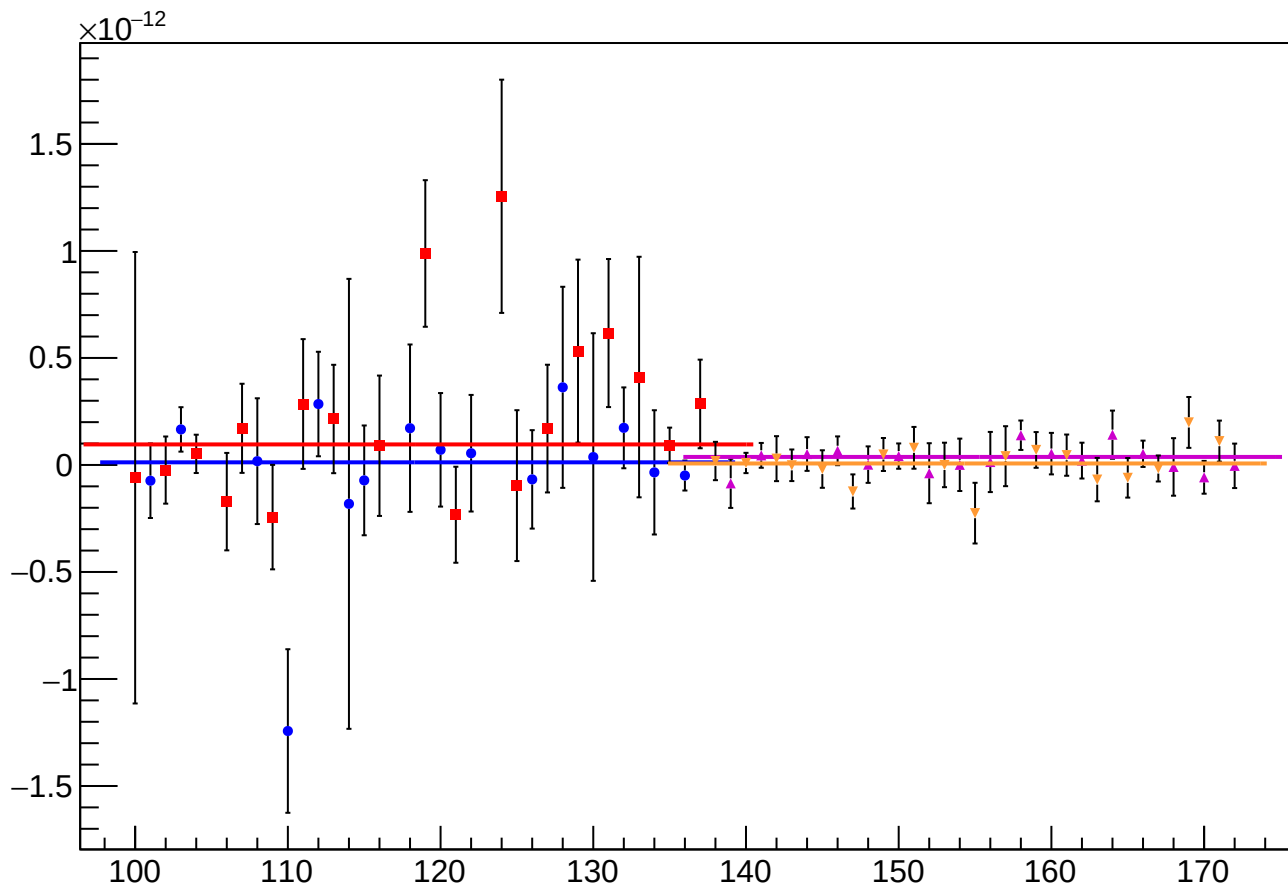
Left In: 275.337 $\pm$ 0.054 χ^2 /NDF:1245500.8/16

+ sign 235.585 $\pm$ 0.039 χ^2 /NDF: 4634305.6/33

All: 224.599 $\pm$ 0.027 χ^2 /NDF: 10967292.5/69

- sign 214.913 $\pm$ 0.037 χ^2 /NDF: 6182856.6/35

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

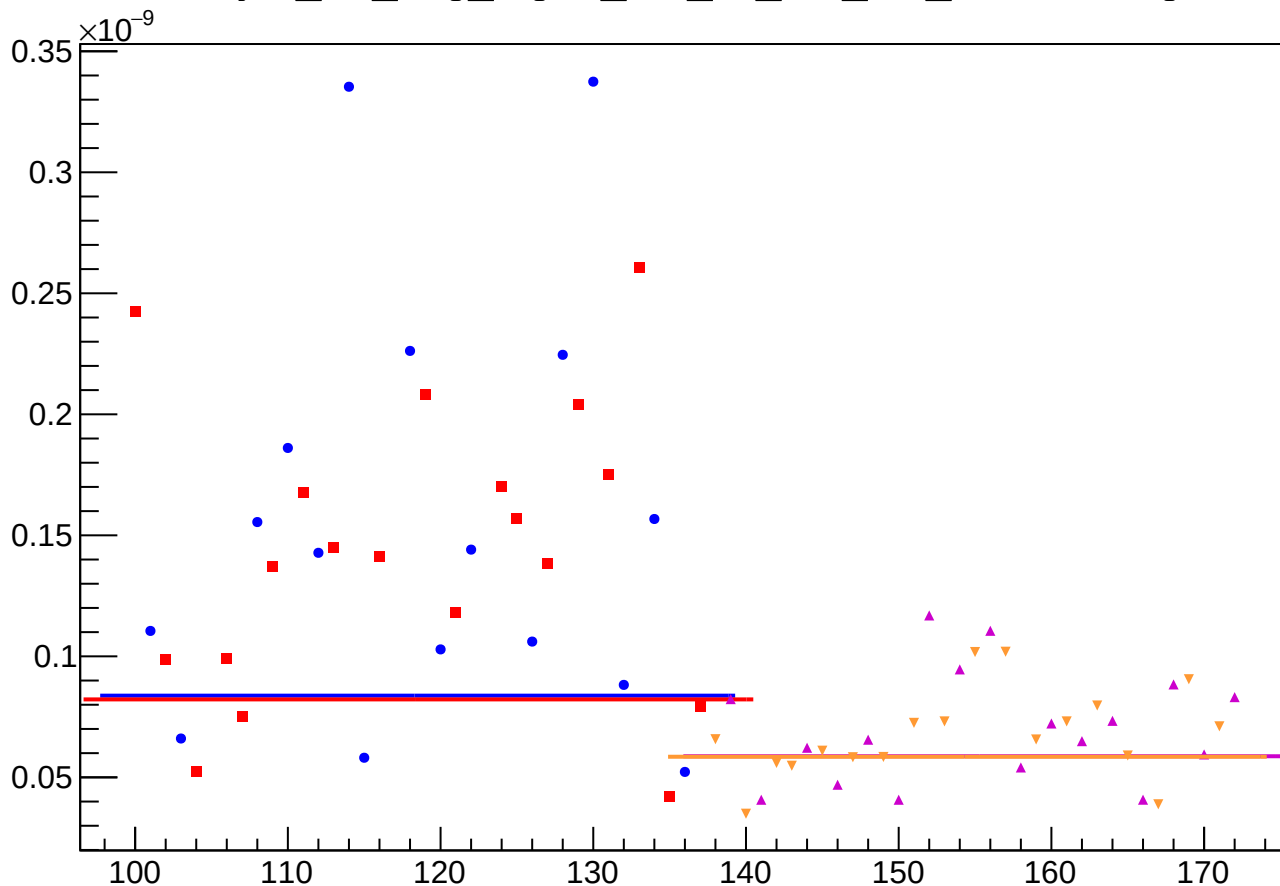
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63.2/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/35

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

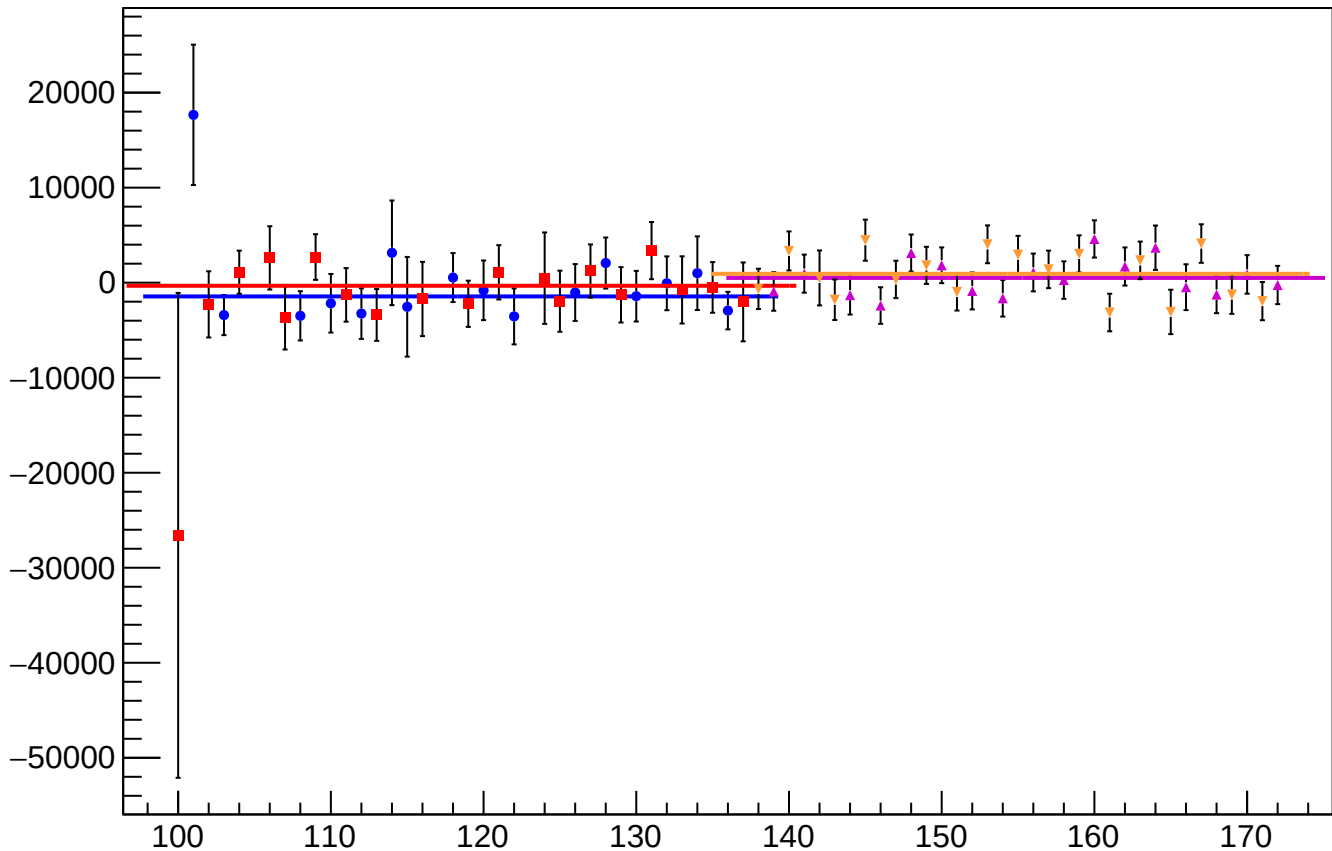
Left In: 0.000+/-0.000 χ^2/NDF : 1799265.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 4133430.3/33

All: 0.000+/-0.000 χ^2/NDF : 8662932.3/69

- sign 0.000+/-0.000 χ^2/NDF : 4529473.4/35

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

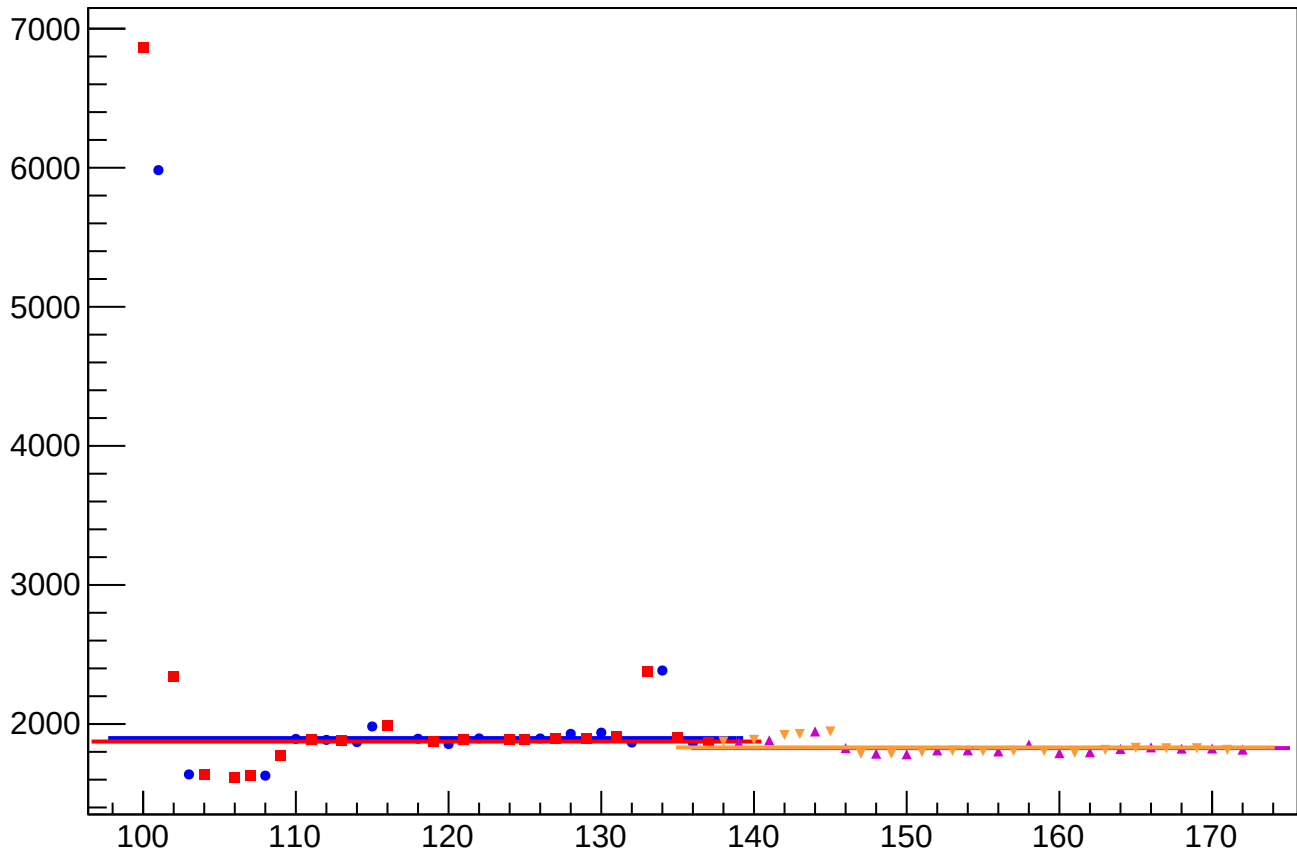
Left In: 500.156 ± 487.795 χ^2/NDF : 15.4/16

+ sign 192.796 ± 402.909 χ^2/NDF : 46.5/33

All: 212.260 ± 284.116 χ^2/NDF : 72.9/69

- sign 231.511 ± 400.701 χ^2/NDF : 26.3/35

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

+ sign 1852.484+/-0.285 χ^2 /NDF: 728236.9/33

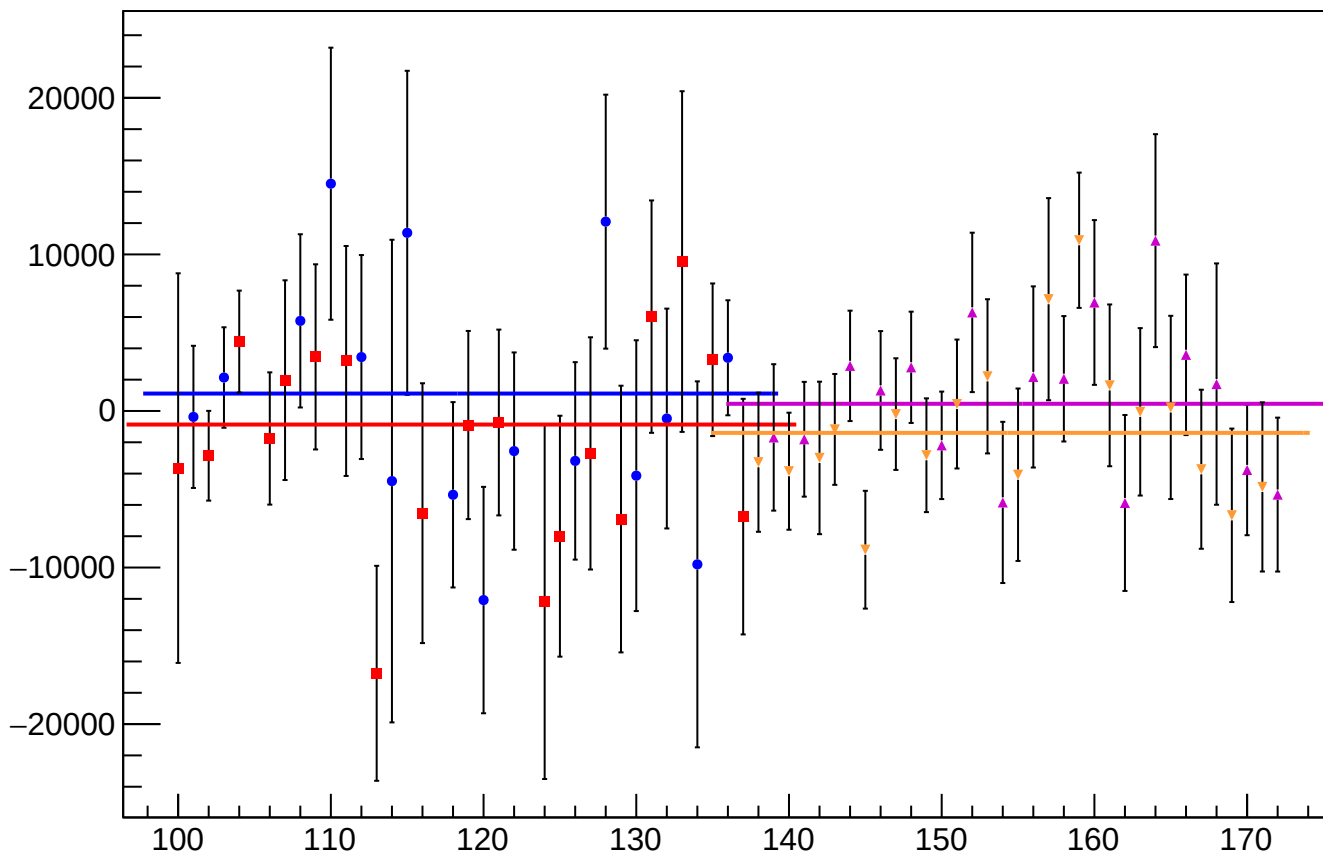
Right Out: 1874.251+/-0.495 χ^2 /NDF: 207657.7/18

All: 1847.439+/-0.201 χ^2 /NDF: 955863.0/69

Left In: 1827.034+/-0.345 χ^2 /NDF:13223.1/16

- sign 1842.460+/-0.283 χ^2 /NDF: 227003.1/35

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

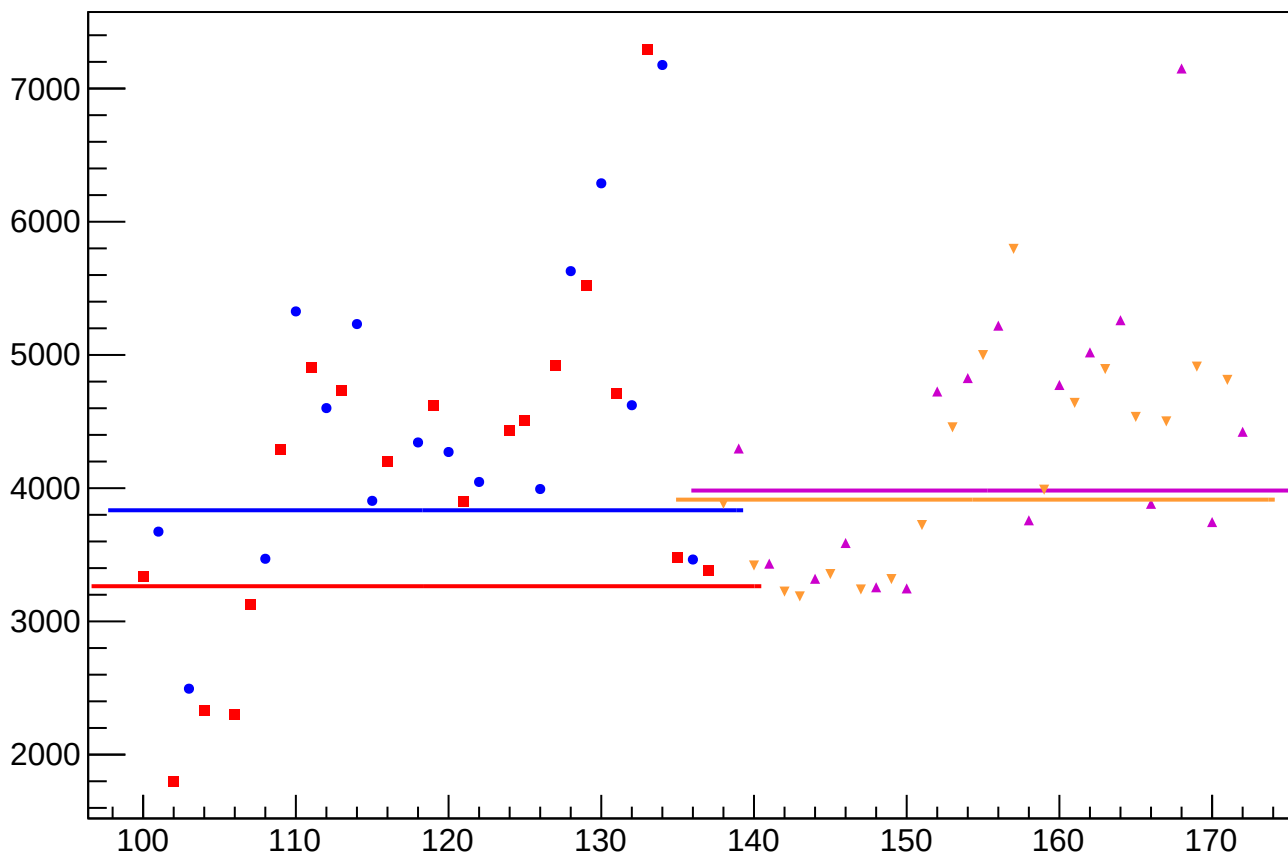
Left In: 458.975+/-1087.183 χ^2/NDF : 13.2/16

+ sign -544.457+/-862.480 χ^2/NDF : 33.0/33

All: -306.590+/-600.240 χ^2/NDF : 62.6/69

- sign -83.169+/-835.879 χ^2/NDF : 29.4/35

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

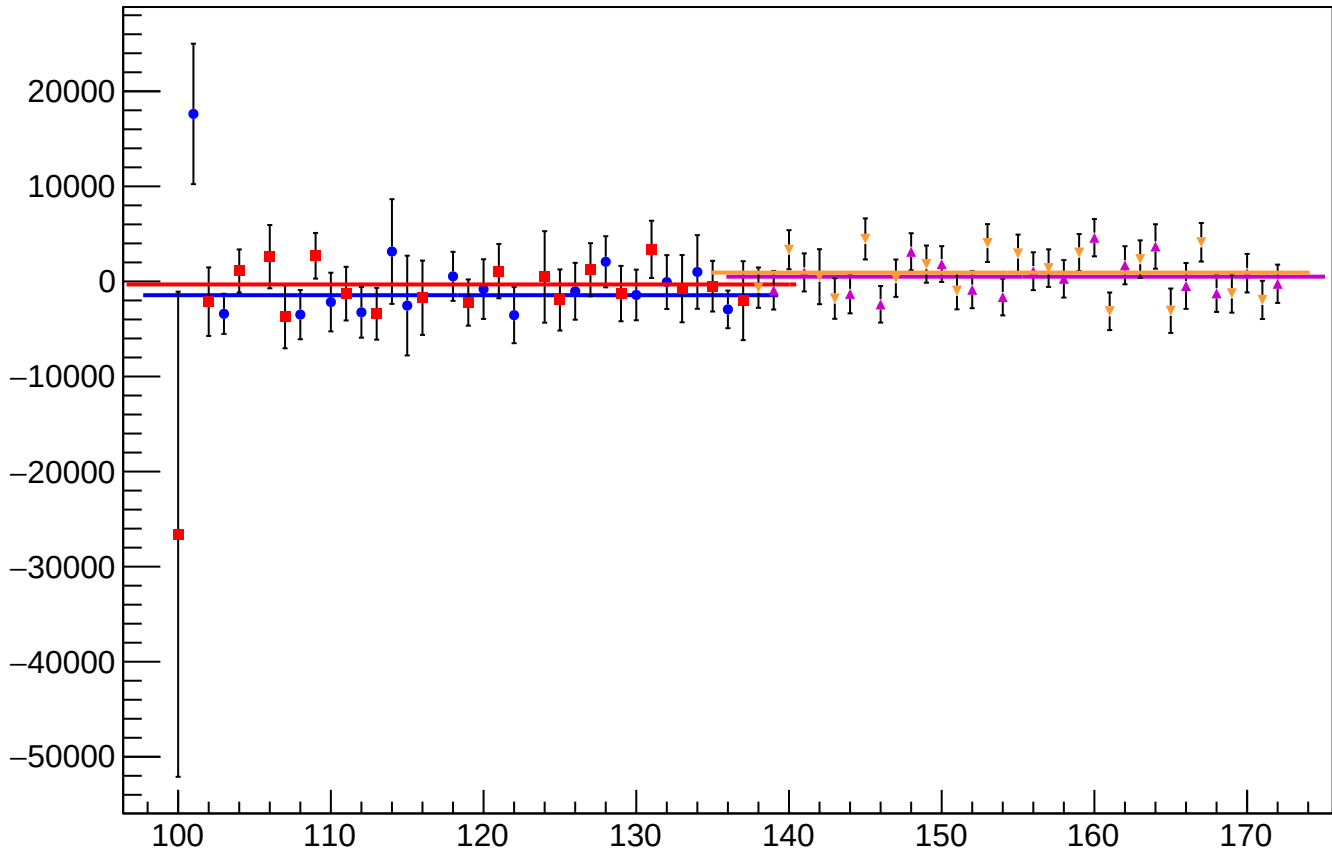
Left In: 3982.316+/-0.769 χ^2/NDF : 1060798.1/16

+ sign 3886.839+/-0.610 χ^2/NDF : 1842847.2/33

All: 3784.647+/-0.424 χ^2/NDF : 5179207.2/69

- sign 3688.662+/-0.591 χ^2/NDF : 3281909.6/35

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

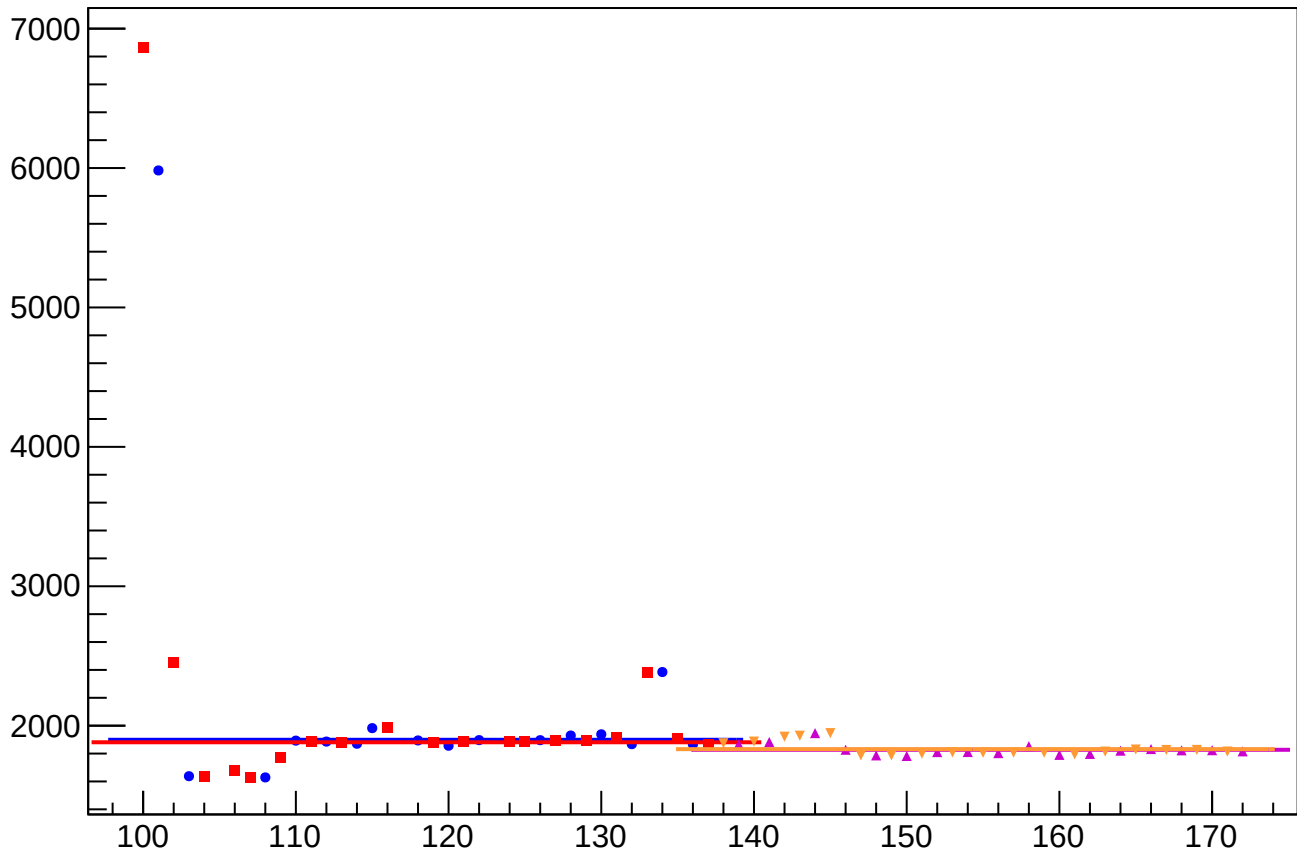
Left In: 500.077 ± 487.795 χ^2/NDF : 15.4/16

+ sign 192.750 ± 402.909 χ^2/NDF : 46.5/33

All: 214.151 ± 284.179 χ^2/NDF : 72.7/69

- sign 235.336 ± 400.877 χ^2/NDF : 26.2/35

cor_asym_atr_dd_rms vs Slug



Right In: 1898.826 $\pm$ 0.511 χ^2 /NDF: 697514.4/15

Left Out: 1831.621 $\pm$ 0.343 χ^2 /NDF: 18811.2/17

Right Out: 1881.007 $\pm$ 0.497 χ^2 /NDF: 216564.4/18

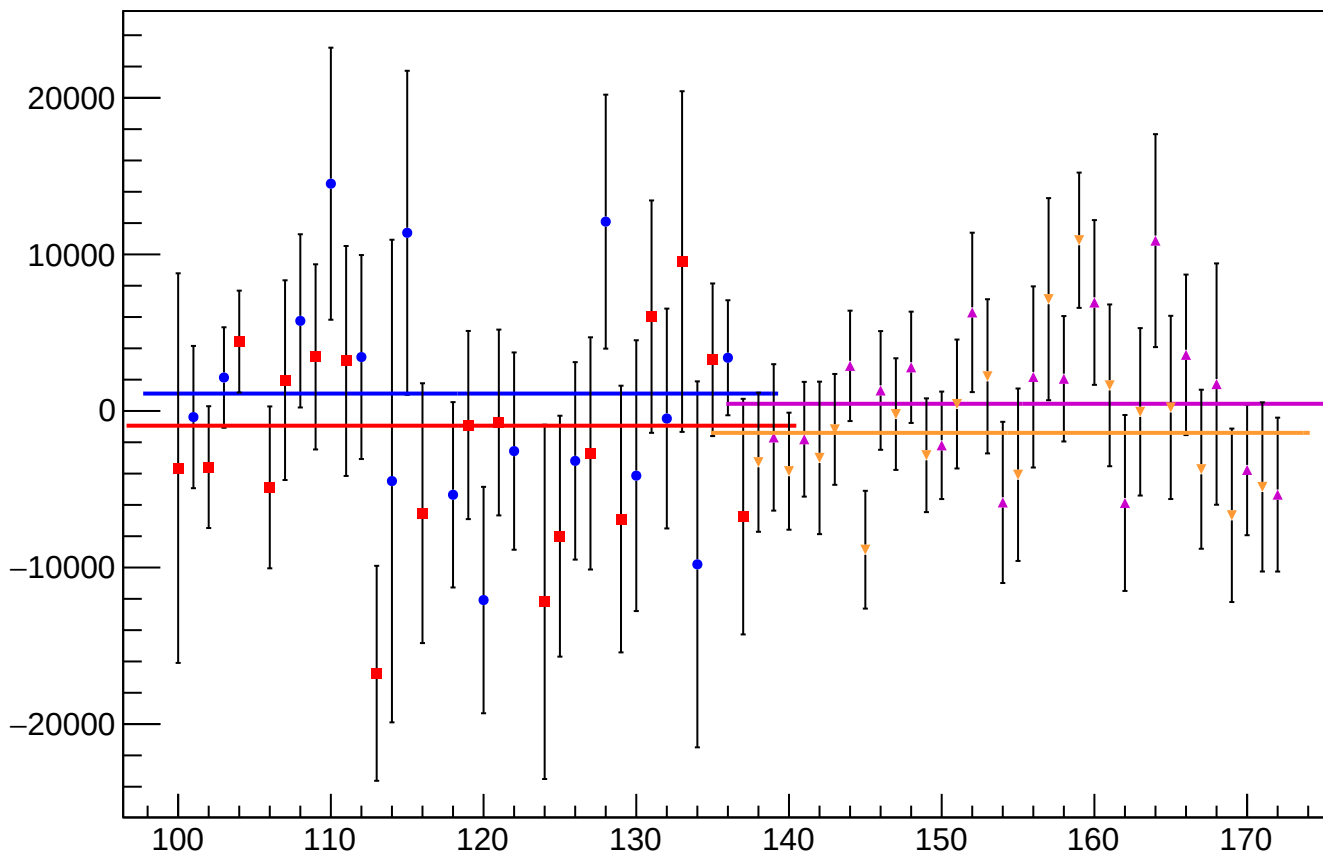
Left In: 1827.034 $\pm$ 0.345 χ^2 /NDF: 13223.1/16

+ sign 1852.484 $\pm$ 0.285 χ^2 /NDF: 728237.0/33

All: 1848.515 $\pm$ 0.201 χ^2 /NDF: 966375.5/69

- sign 1844.591 $\pm$ 0.283 χ^2 /NDF: 237752.6/35

asym_atr_dd_cor_correction_mean vs Slug



Right In: 1111.533 $\pm$ 1479.438 χ^2 /NDF: 13.4/15

Left Out: -1397.912 $\pm$ 1061.592 χ^2 /NDF: 17.8/17

Right Out: -940.712 $\pm$ 1398.993 χ^2 /NDF: 16.2/18

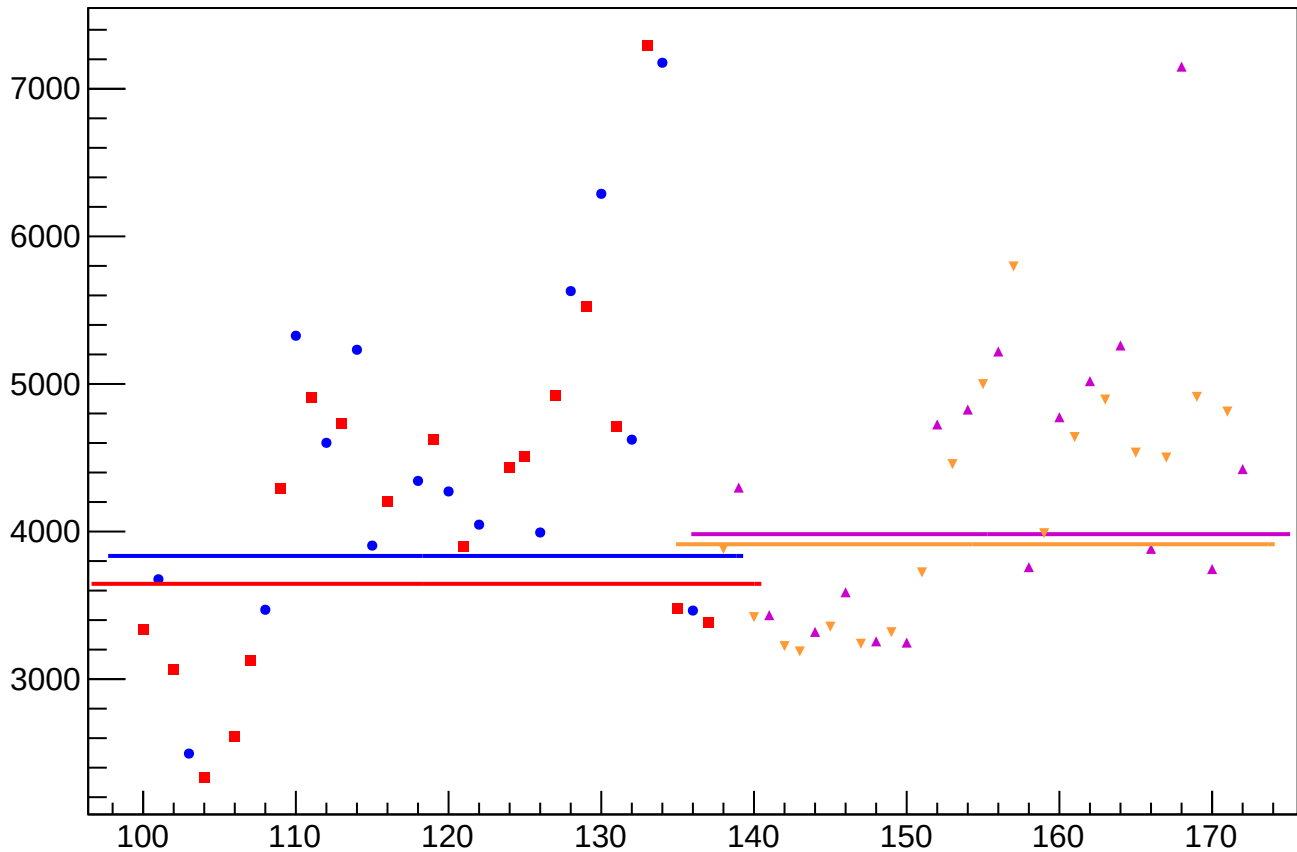
Left In: 458.994 $\pm$ 1087.181 χ^2 /NDF: 13.2/16

+ sign -544.977 $\pm$ 862.513 χ^2 /NDF: 33.0/33

All: -305.375 $\pm$ 608.445 χ^2 /NDF: 63.2/69

- sign -68.029 $\pm$ 858.443 χ^2 /NDF: 30.0/35

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

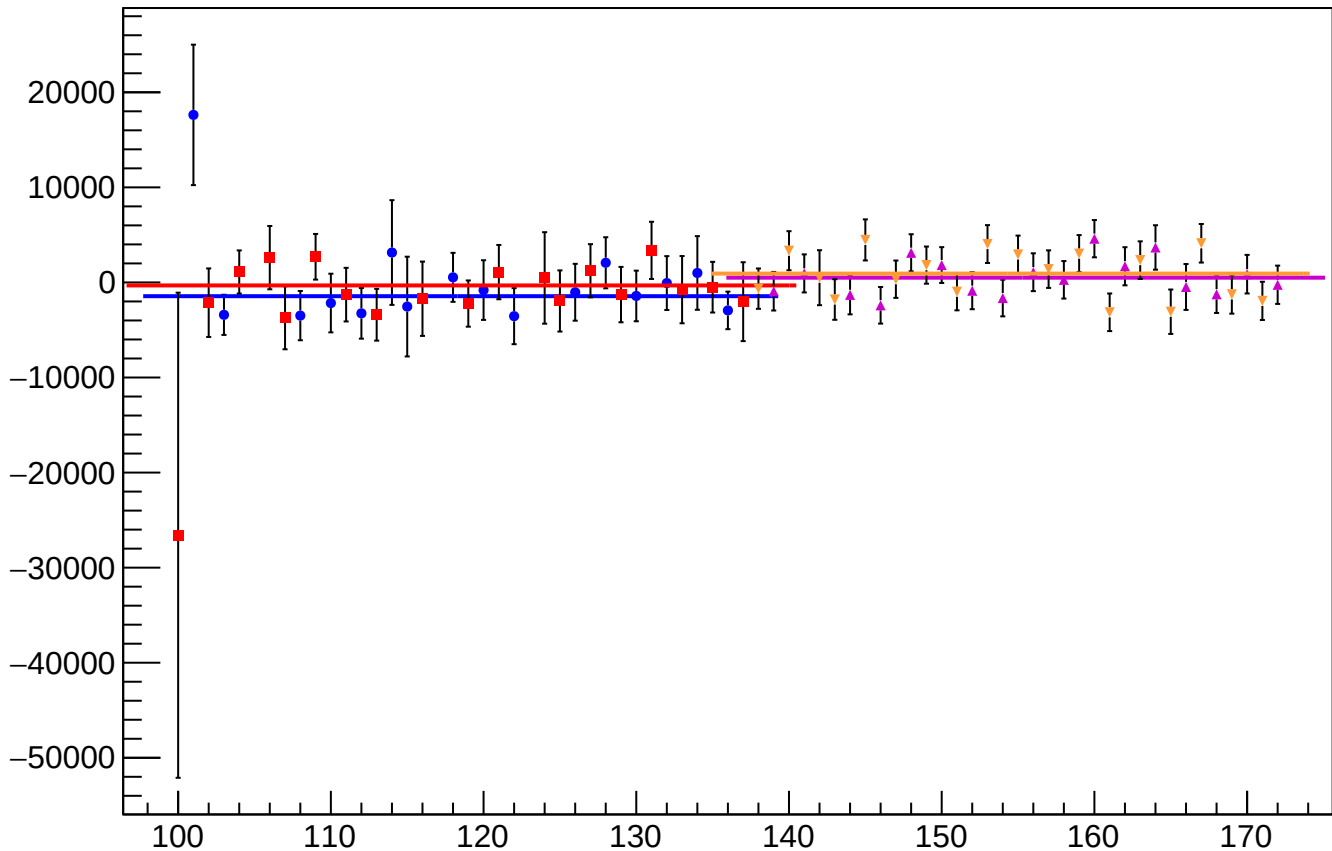
Left In: 3982.309+/-0.769 χ^2/NDF : 1060811.7/16

+ sign 3887.019+/-0.610 χ^2/NDF : 1842324.6/33

All: 3871.217+/-0.430 χ^2/NDF : 4101647.4/69

- sign 3855.563+/-0.607 χ^2/NDF : 2257986.5/35

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

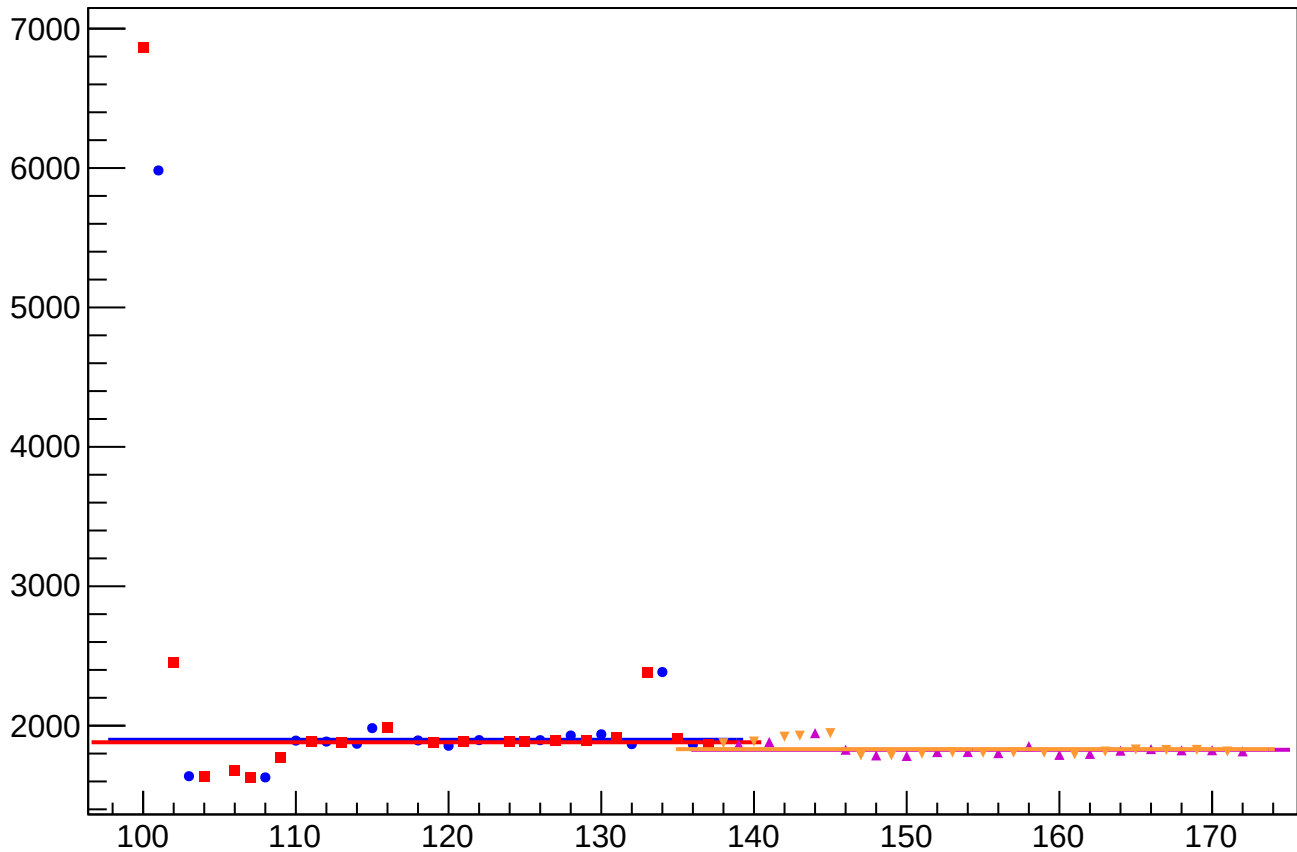
Left In: 500.077 ± 487.795 χ^2/NDF : 15.4/16

+ sign 192.750 ± 402.909 χ^2/NDF : 46.5/33

All: 214.151 ± 284.179 χ^2/NDF : 72.7/69

- sign 235.336 ± 400.877 χ^2/NDF : 26.2/35

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

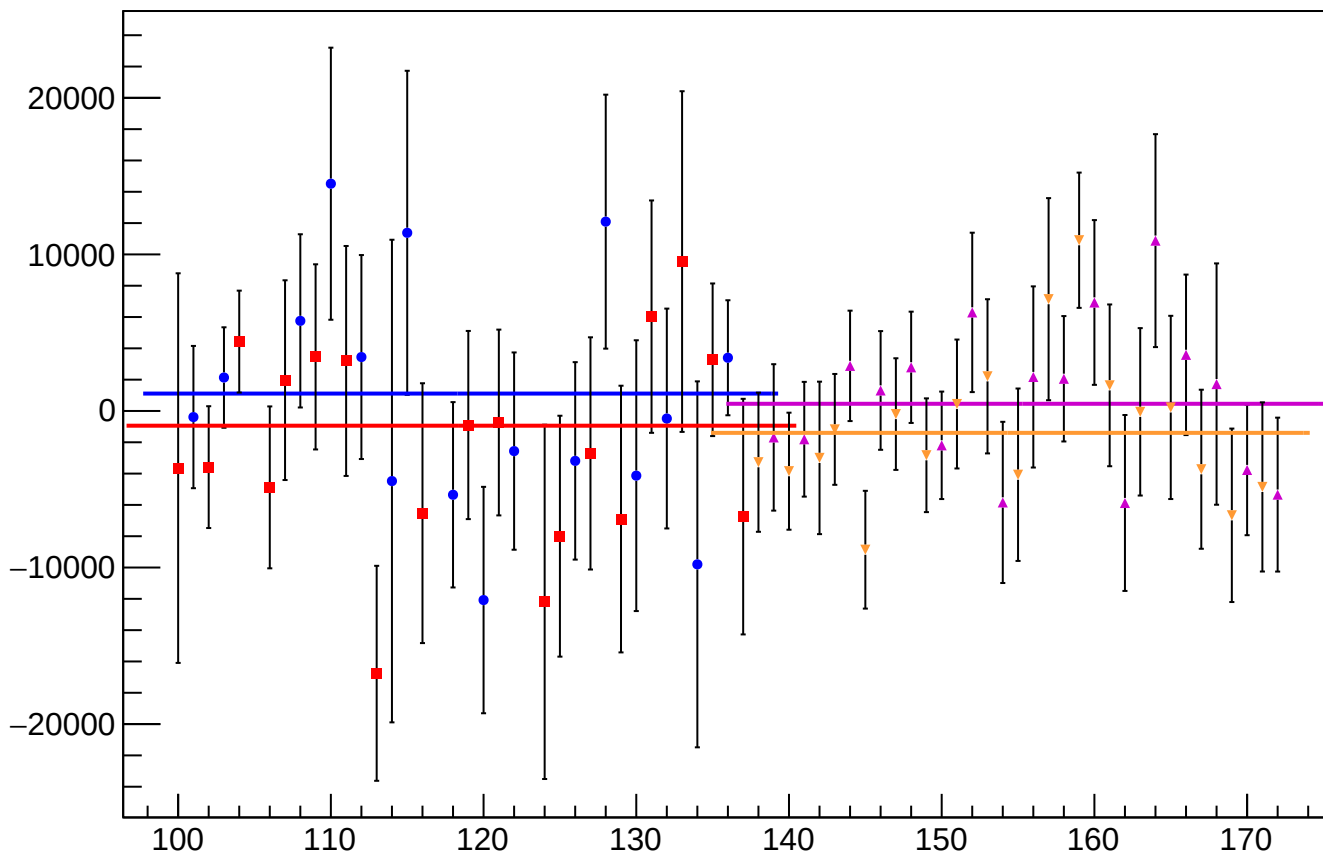
Left In: 1827.034+/-0.345 χ^2 /NDF:13223.1/16

+ sign 1852.484+/-0.285 χ^2 /NDF: 728237.0/33

All: 1848.515+/-0.201 χ^2 /NDF: 966375.5/69

- sign 1844.591+/-0.283 χ^2 /NDF: 237752.6/35

asym_atr_dd_eigen_cor_correction_mean vs Slug



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

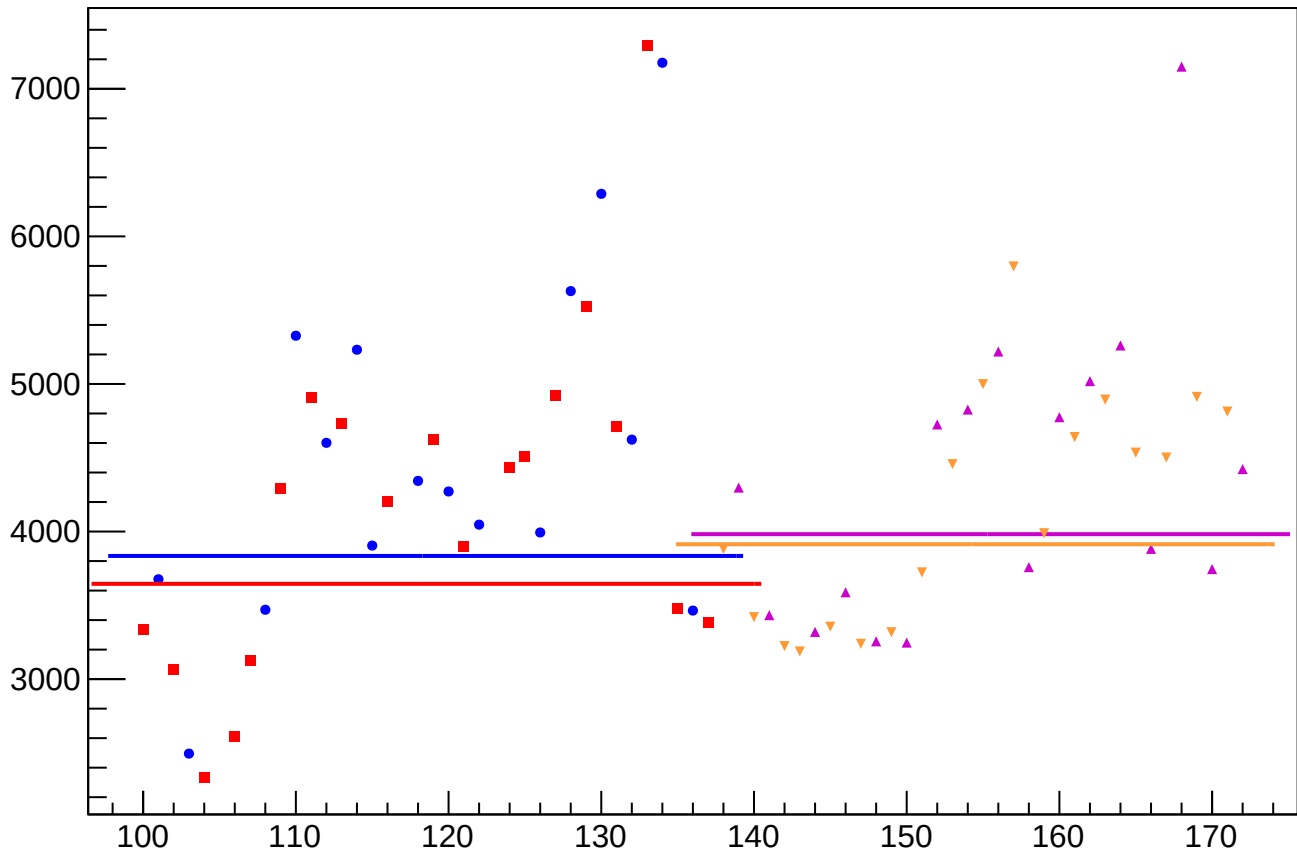
Left In: 458.994+/-1087.181 χ^2/NDF : 13.2/16

+ sign -544.977+/-862.513 χ^2/NDF : 33.0/33

All: -305.375+/-608.445 χ^2/NDF : 63.2/69

- sign -68.029+/-858.443 χ^2/NDF : 30.0/35

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

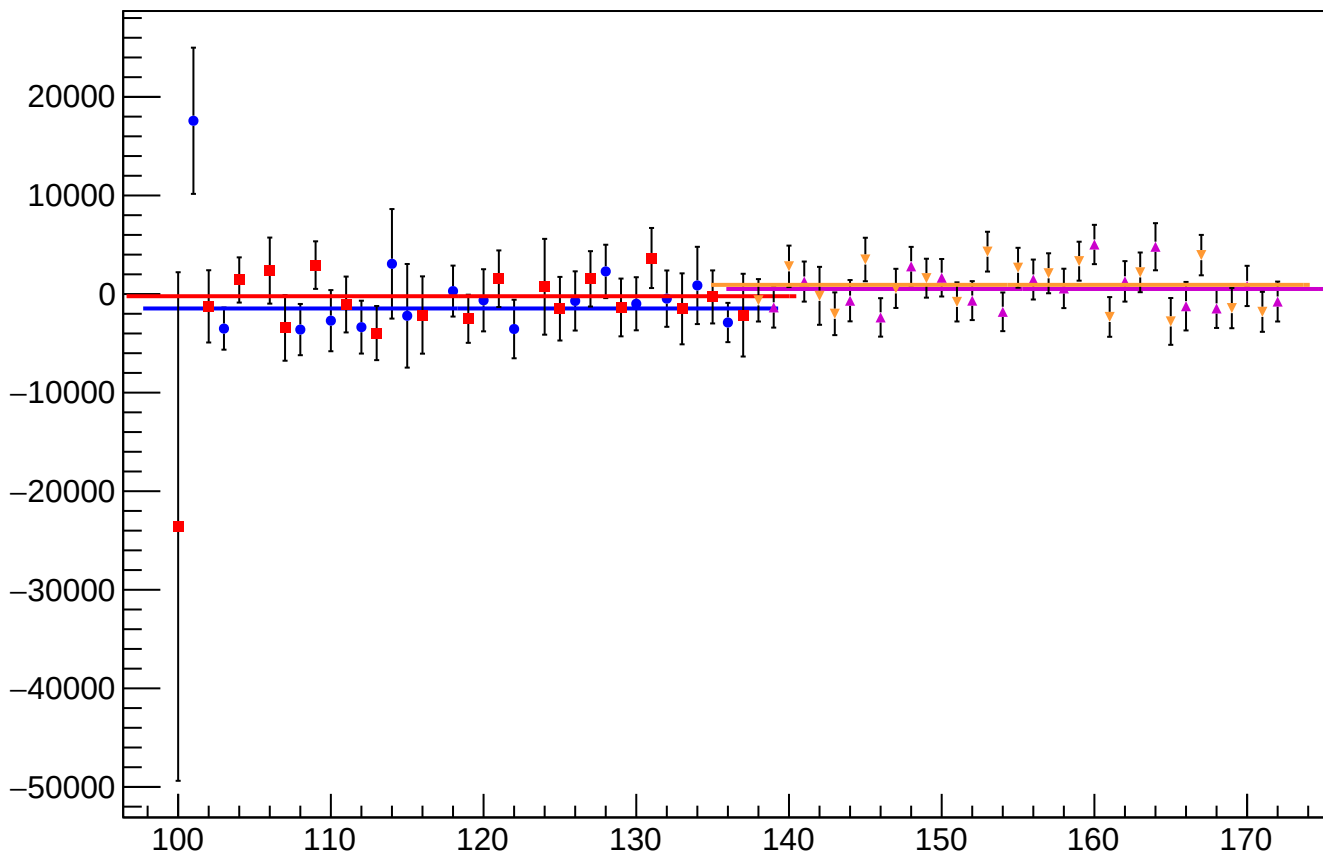
Left In: 3982.309+/-0.769 χ^2/NDF : 1060811.7/16

+ sign 3887.019+/-0.610 χ^2/NDF : 1842324.6/33

All: 3871.217+/-0.430 χ^2/NDF : 4101647.4/69

- sign 3855.563+/-0.607 χ^2/NDF : 2257986.5/35

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

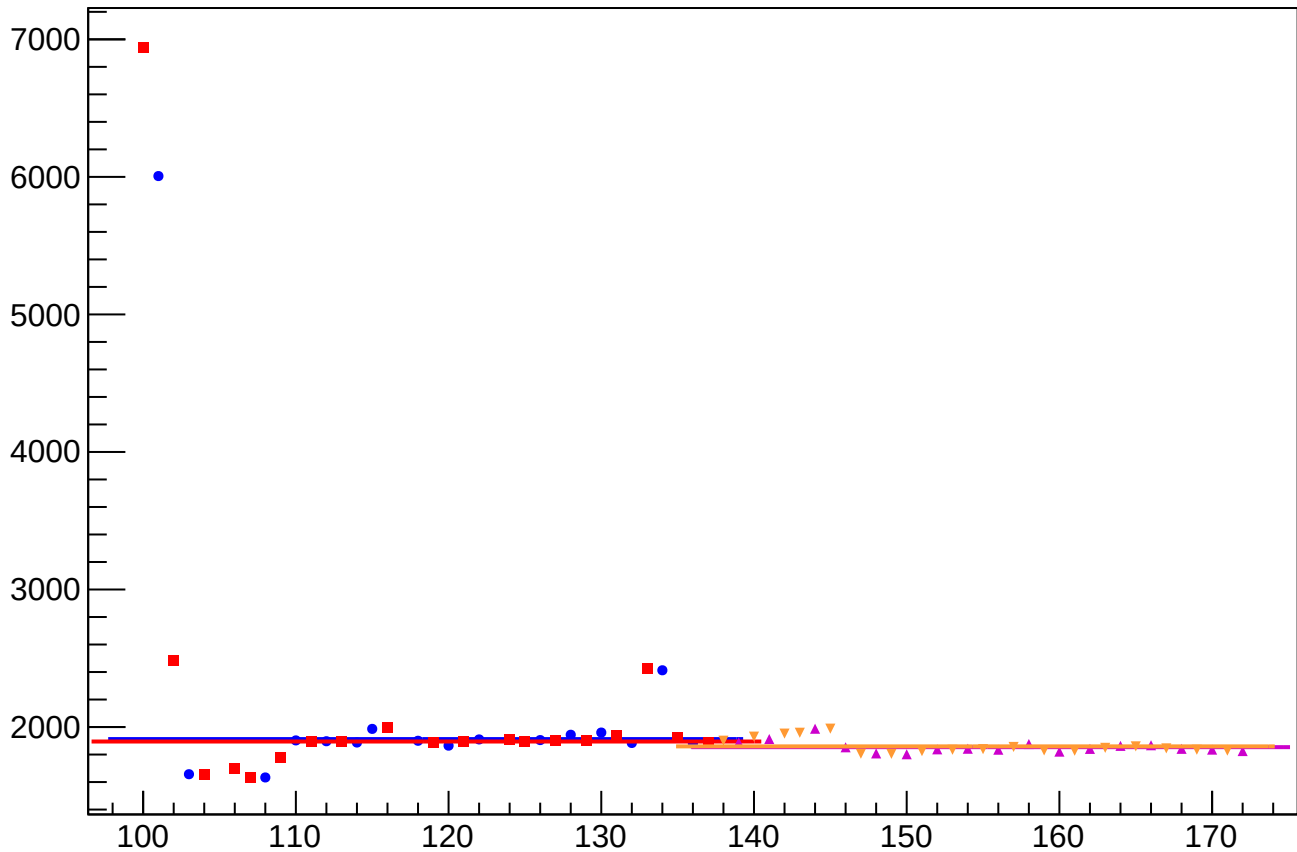
Left In: 514.804 ± 494.948 χ^2/NDF : 17.6/16

+ sign 180.889 ± 408.021 χ^2/NDF : 42.7/33

All: 227.729 ± 287.731 χ^2/NDF : 71.8/69

- sign 274.063 ± 405.813 χ^2/NDF : 29.1/35

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

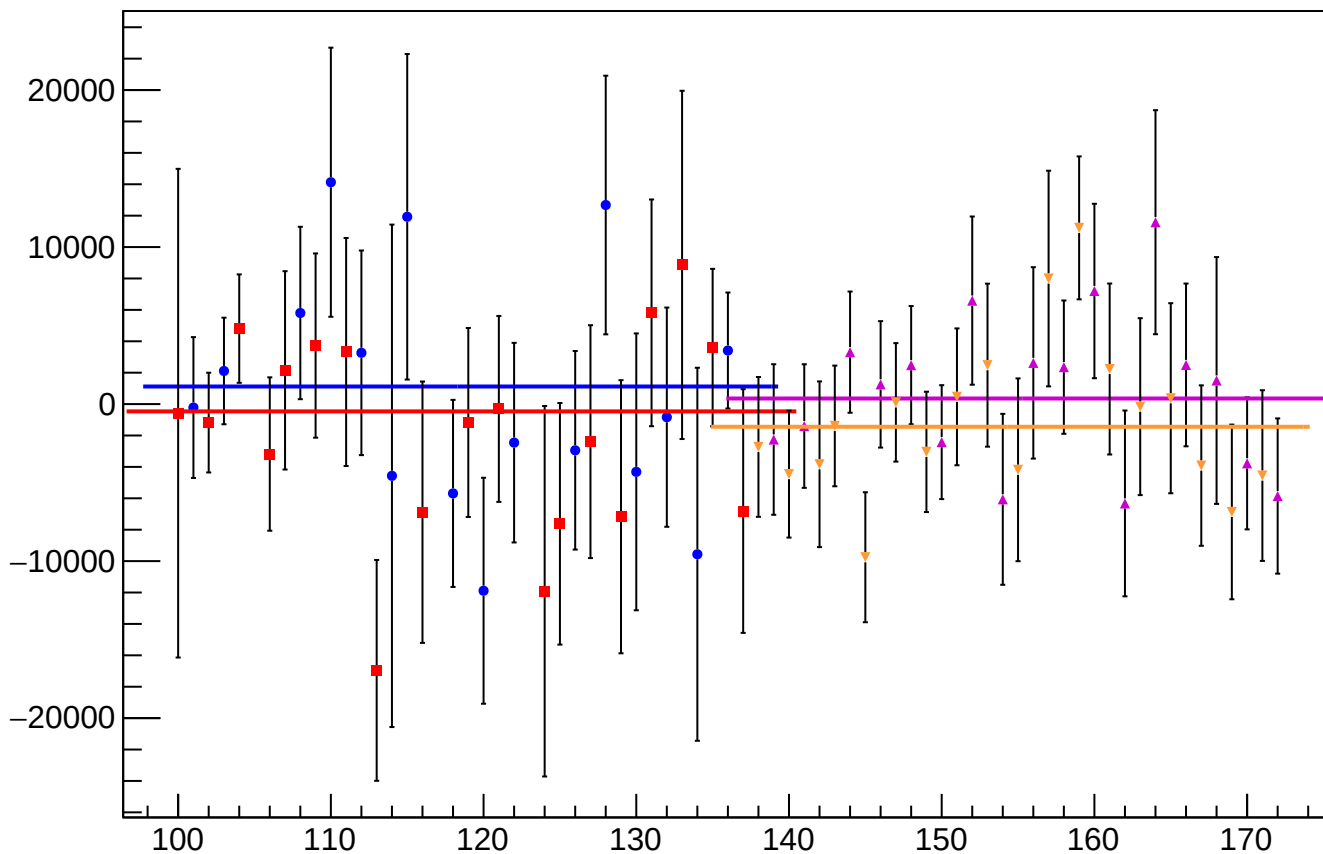
Left In: 1853.732+/-0.350 χ^2/NDF : 14930.3/16

+ sign 1876.016+/-0.289 χ^2/NDF : 725421.8/33

All: 1871.582+/-0.203 χ^2/NDF : 965114.6/69

- sign 1867.200+/-0.287 χ^2/NDF : 239223.4/35

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

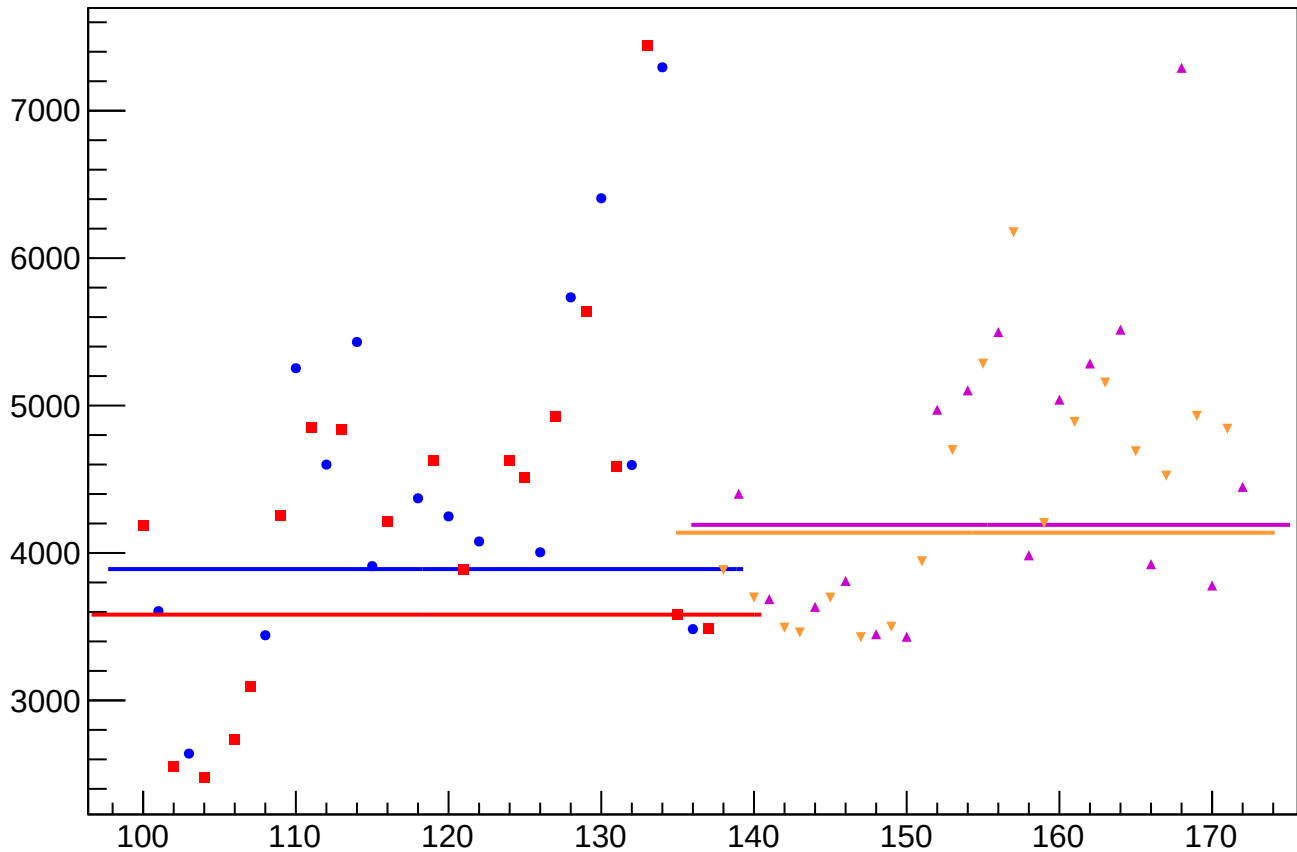
Left In: 356.423+/-1142.577 χ^2/NDF : 13.1/16

+ sign -525.422+/-896.713 χ^2/NDF : 33.3/33

All: -246.885+/-627.234 χ^2/NDF : 61.9/69

- sign 19.954+/-877.680 χ^2/NDF : 28.4/35

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3890.708+/-1.059 χ^2/NDF : 878418.2/15

Left Out: 4137.419+/-0.792 χ^2/NDF : 758150.3/17

+ sign 4048.976+/-0.634 χ^2/NDF : 1671384.6/33

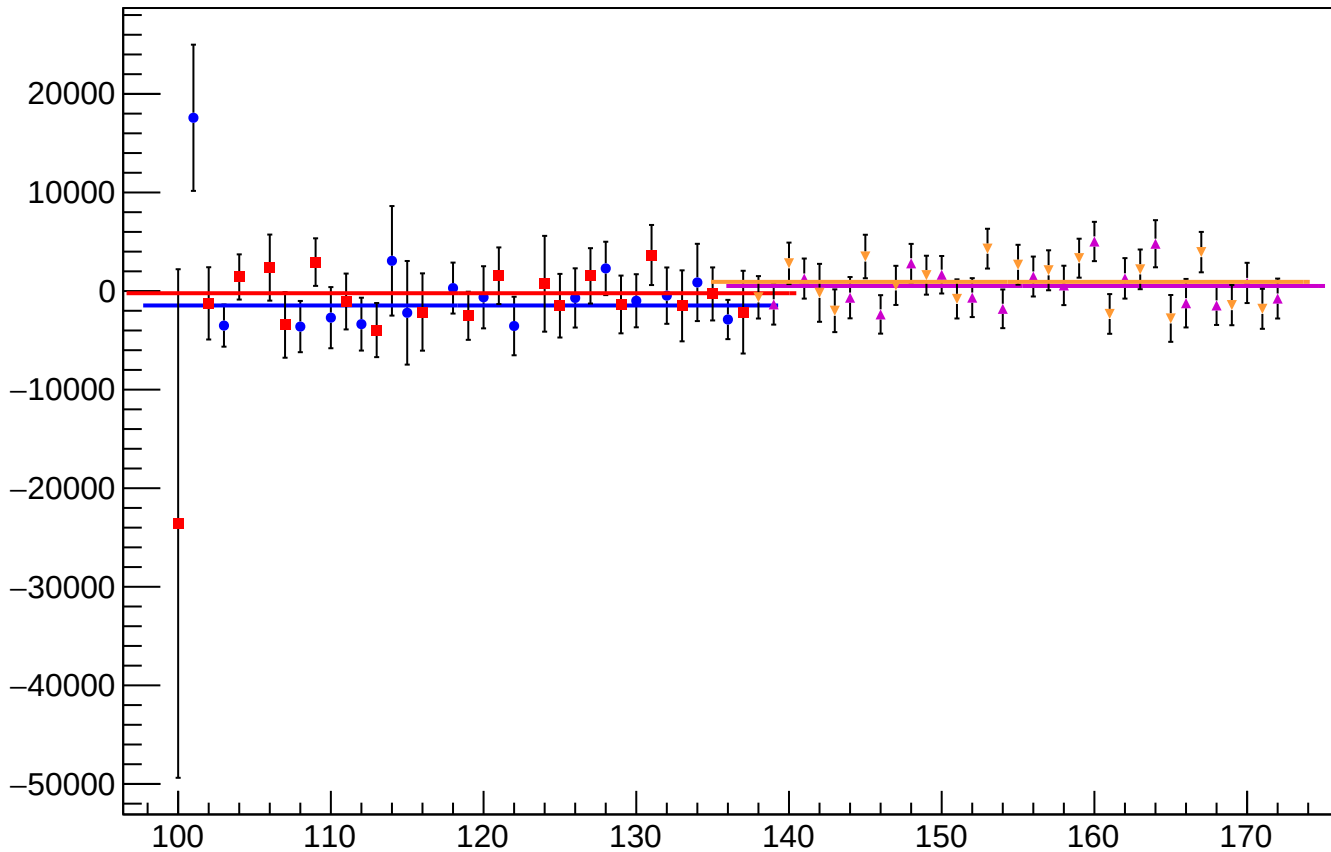
Right Out: 3581.780+/-0.969 χ^2/NDF : 1221855.2/18

All: 3993.909+/-0.444 χ^2/NDF : 4122736.7/69

- sign 3941.154+/-0.621 χ^2/NDF : 2436584.0/35

Left In: 4190.820+/-0.808 χ^2/NDF : 981778.9/16

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

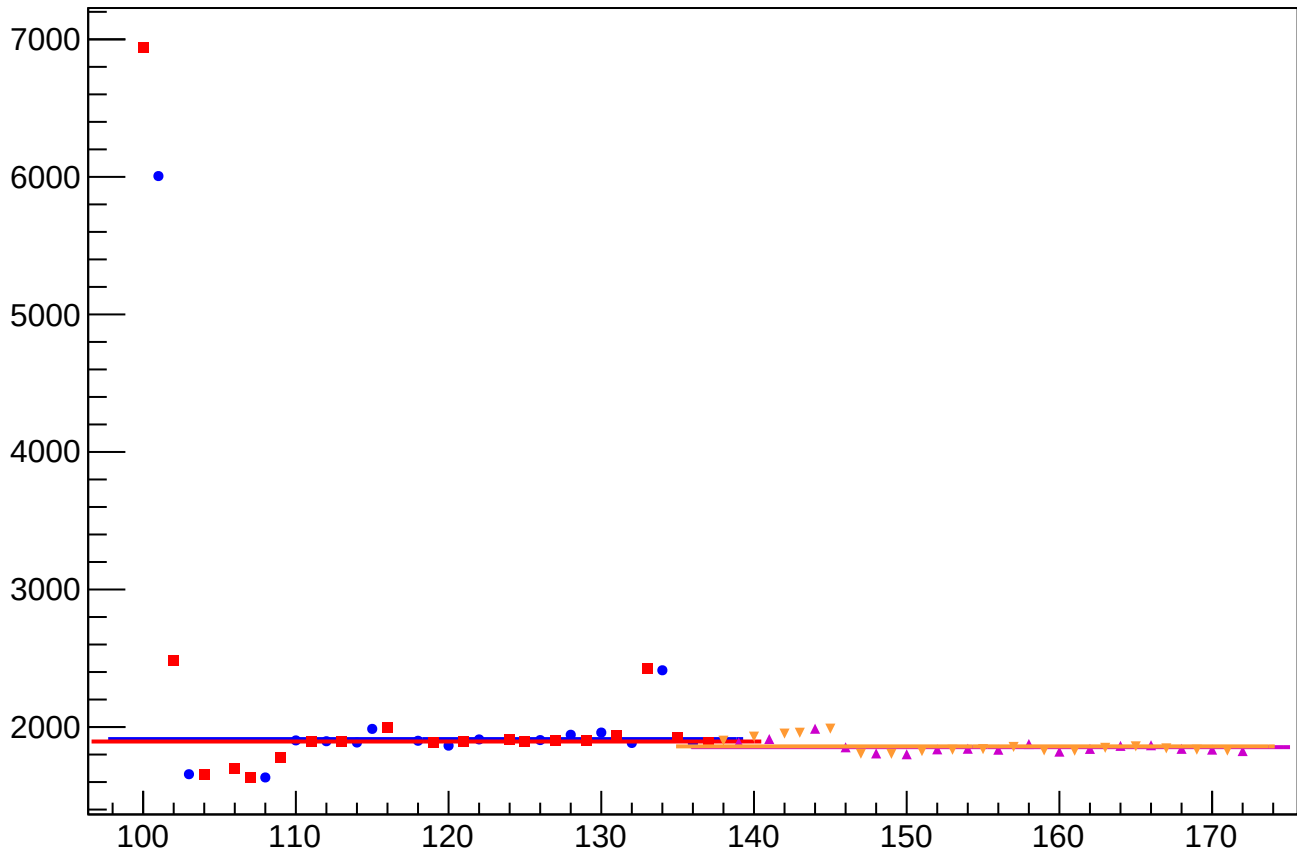
Left In: 514.806 ± 494.949 χ^2/NDF : 17.6/16

+ sign 180.891 ± 408.021 χ^2/NDF : 42.7/33

All: 227.731 ± 287.731 χ^2/NDF : 71.8/69

- sign 274.066 ± 405.813 χ^2/NDF : 29.1/35

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

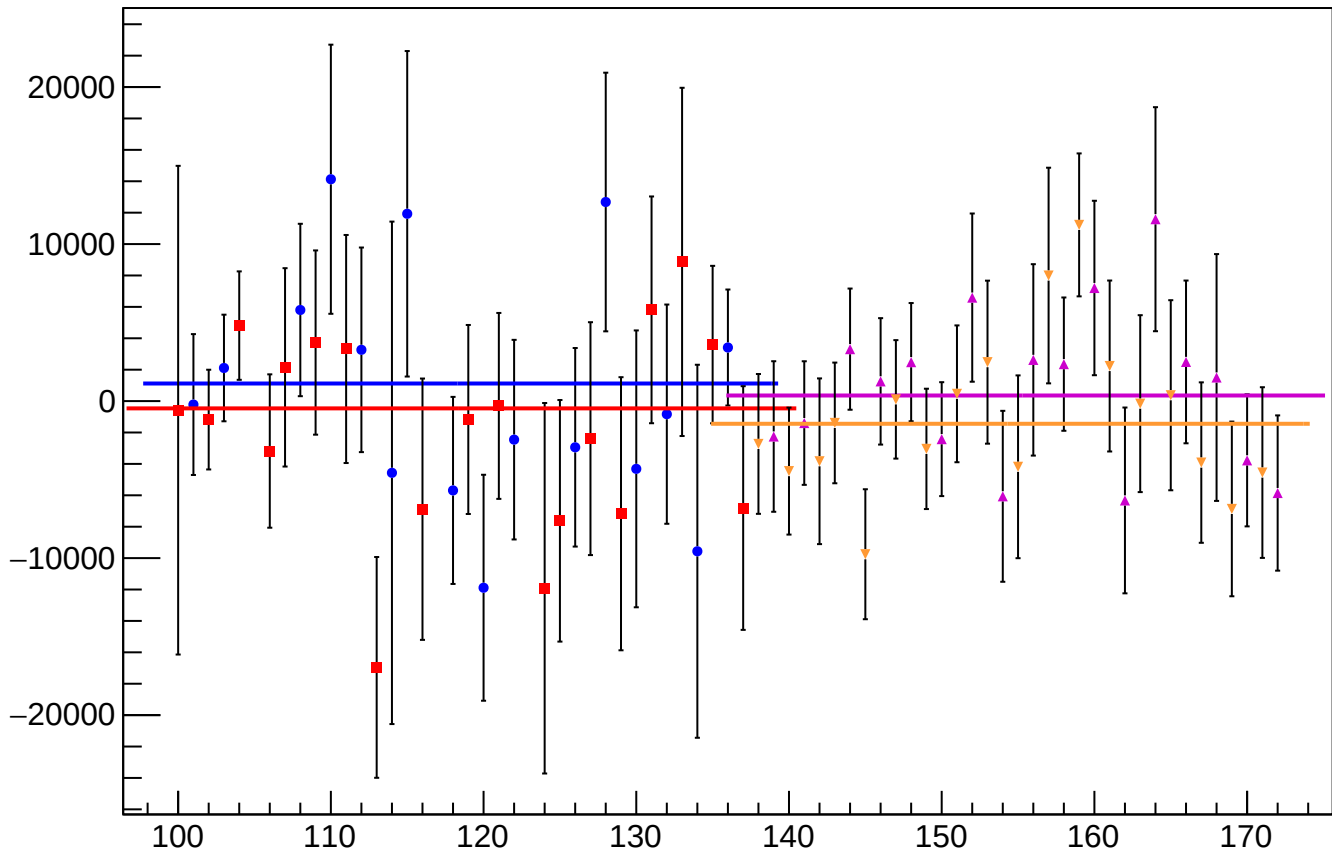
Left In: 1853.733+/-0.350 χ^2/NDF : 14930.2/16

+ sign 1876.016+/-0.289 χ^2/NDF : 725421.5/33

All: 1871.583+/-0.203 χ^2/NDF : 965114.1/69

- sign 1867.201+/-0.287 χ^2/NDF : 239223.1/35

asym_atr_dd_eigen_dit_correction_mean vs Slug



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

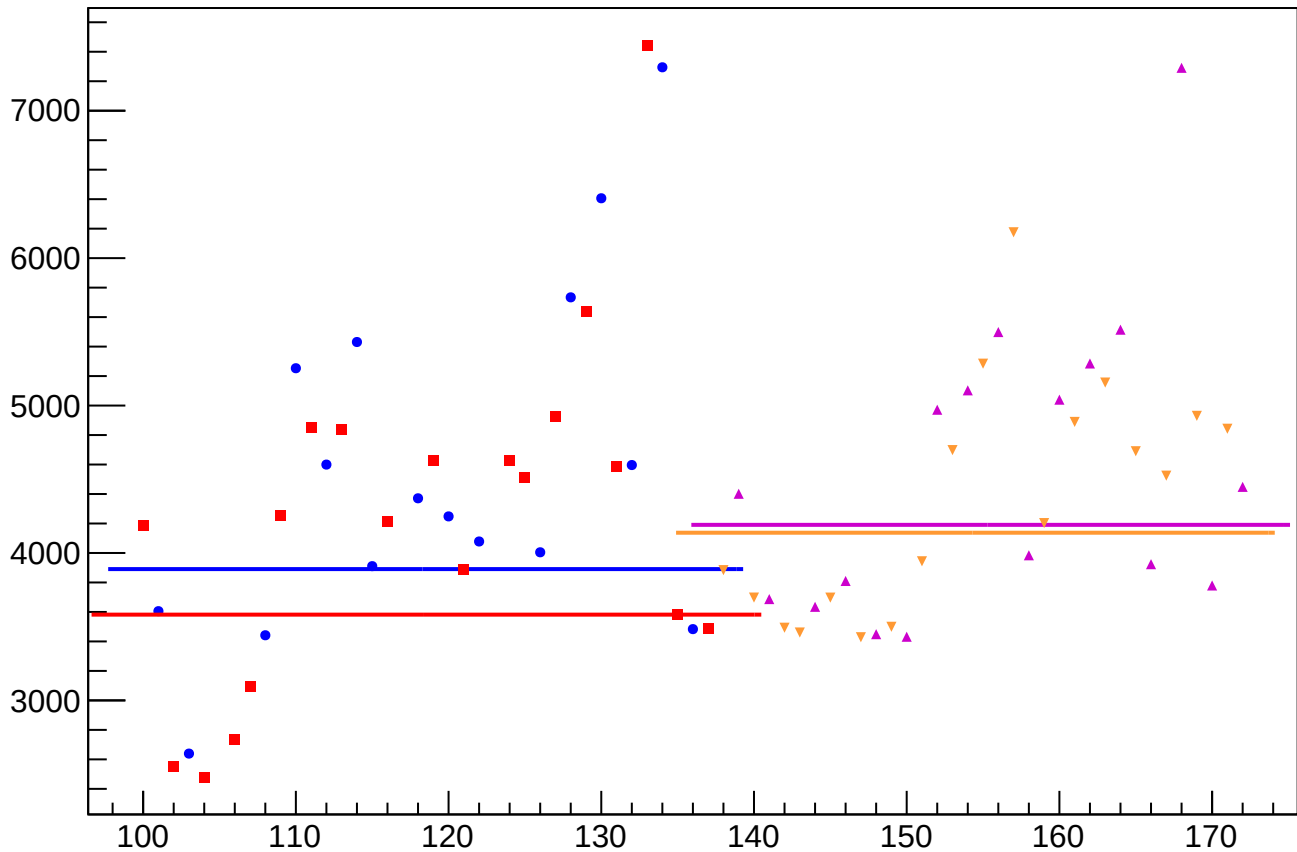
Left In: 356.420+/-1142.579 χ^2/NDF : 13.1/16

+ sign -525.423+/-896.713 χ^2/NDF : 33.3/33

All: -246.887+/-627.235 χ^2/NDF : 61.9/69

- sign 19.951+/-877.680 χ^2/NDF : 28.4/35

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

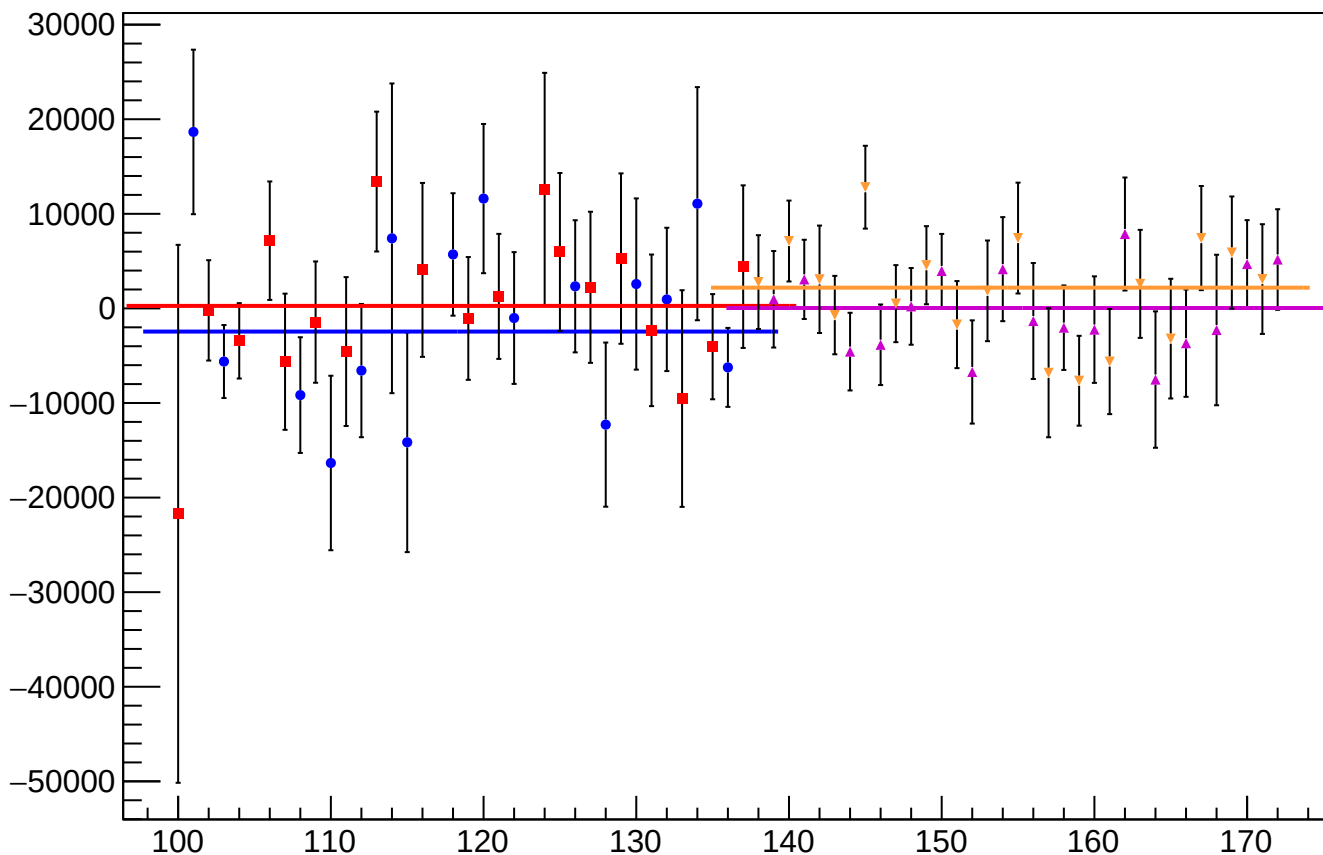
Left In: 4190.826+/-0.808 χ^2/NDF : 981781.3/16

+ sign 4048.979+/-0.634 χ^2/NDF : 1671378.5/33

All: 3993.911+/-0.444 χ^2/NDF : 4122731.6/69

- sign 3941.156+/-0.621 χ^2/NDF : 2436584.6/35

asym_atr_dd_mean vs Slug



Right In: -2448.262+/-1719.694 χ^2/NDF : 20.9/15

Left Out: 2192.809+/-1184.830 χ^2/NDF : 19.8/17

Right Out: 265.886+/-1622.574 χ^2/NDF : 10.7/18

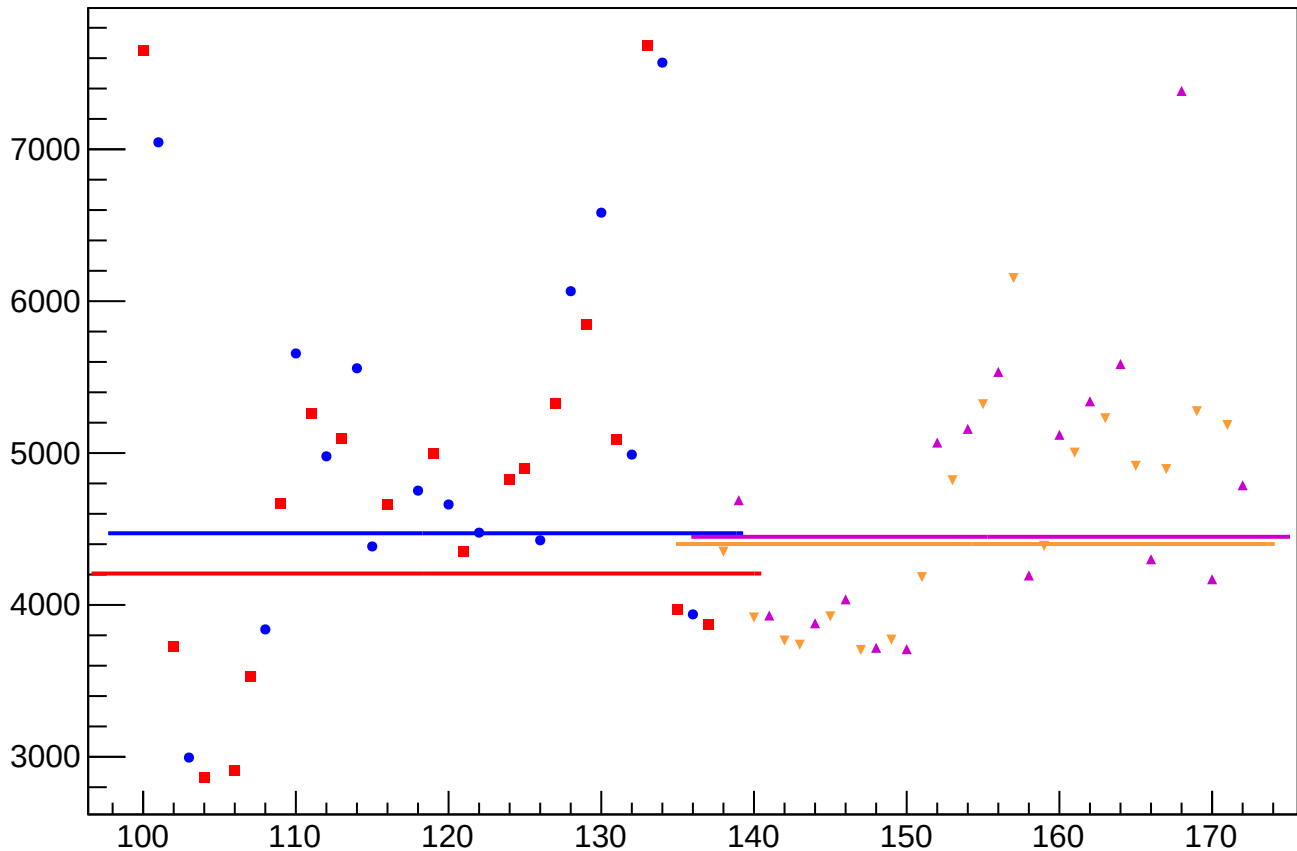
Left In: 43.217+/-1206.779 χ^2/NDF : 11.4/16

+ sign 698.889+/-975.676 χ^2/NDF : 45.6/33

All: 408.524+/-687.293 χ^2/NDF : 68.0/69

- sign 122.520+/-968.323 χ^2/NDF : 22.2/35

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

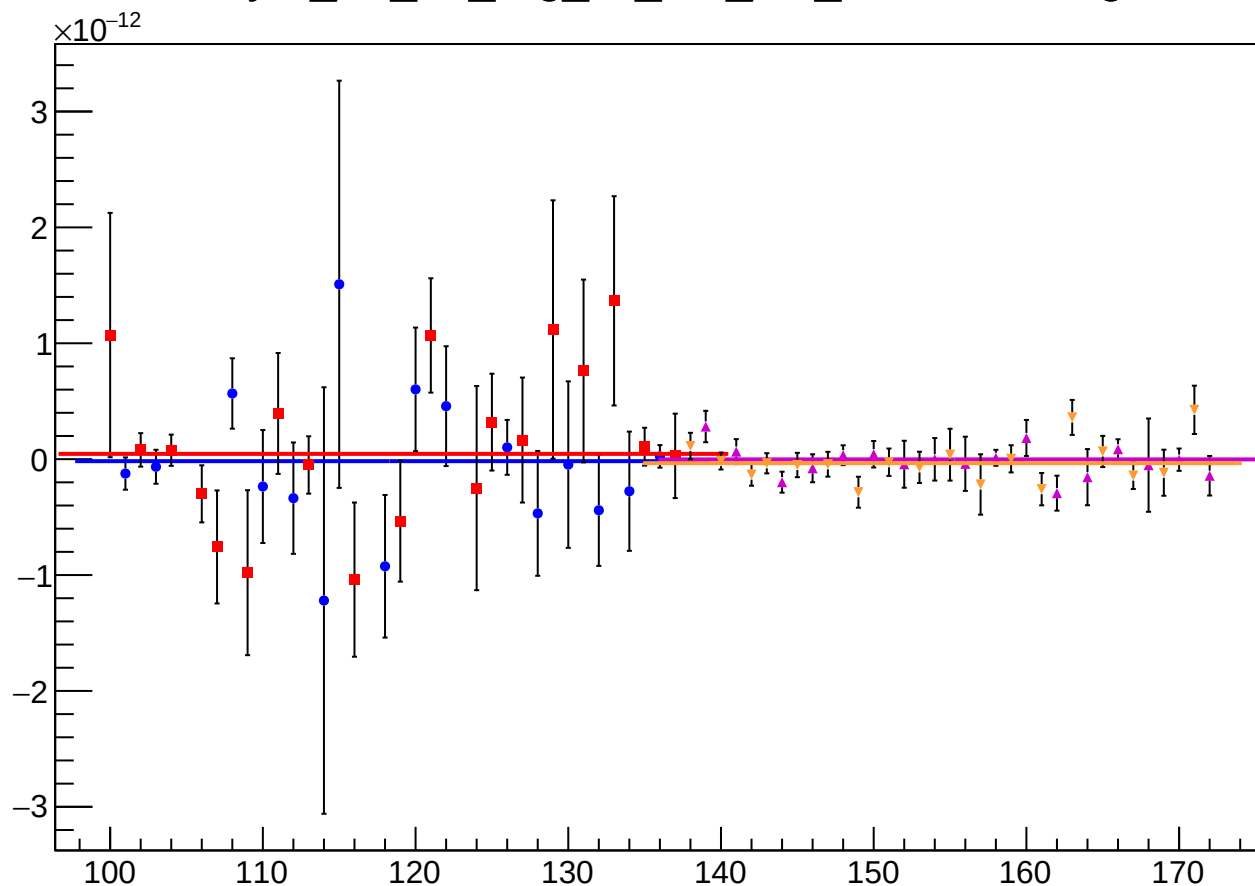
Left In: 4448.670+/-0.853 χ^2/NDF : 768814.3/16

+ sign 4423.874+/-0.690 χ^2/NDF : 1497931.5/33

All: 4392.438+/-0.485 χ^2/NDF : 3146270.5/69

- sign 4361.656+/-0.683 χ^2/NDF : 1644229.9/35

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

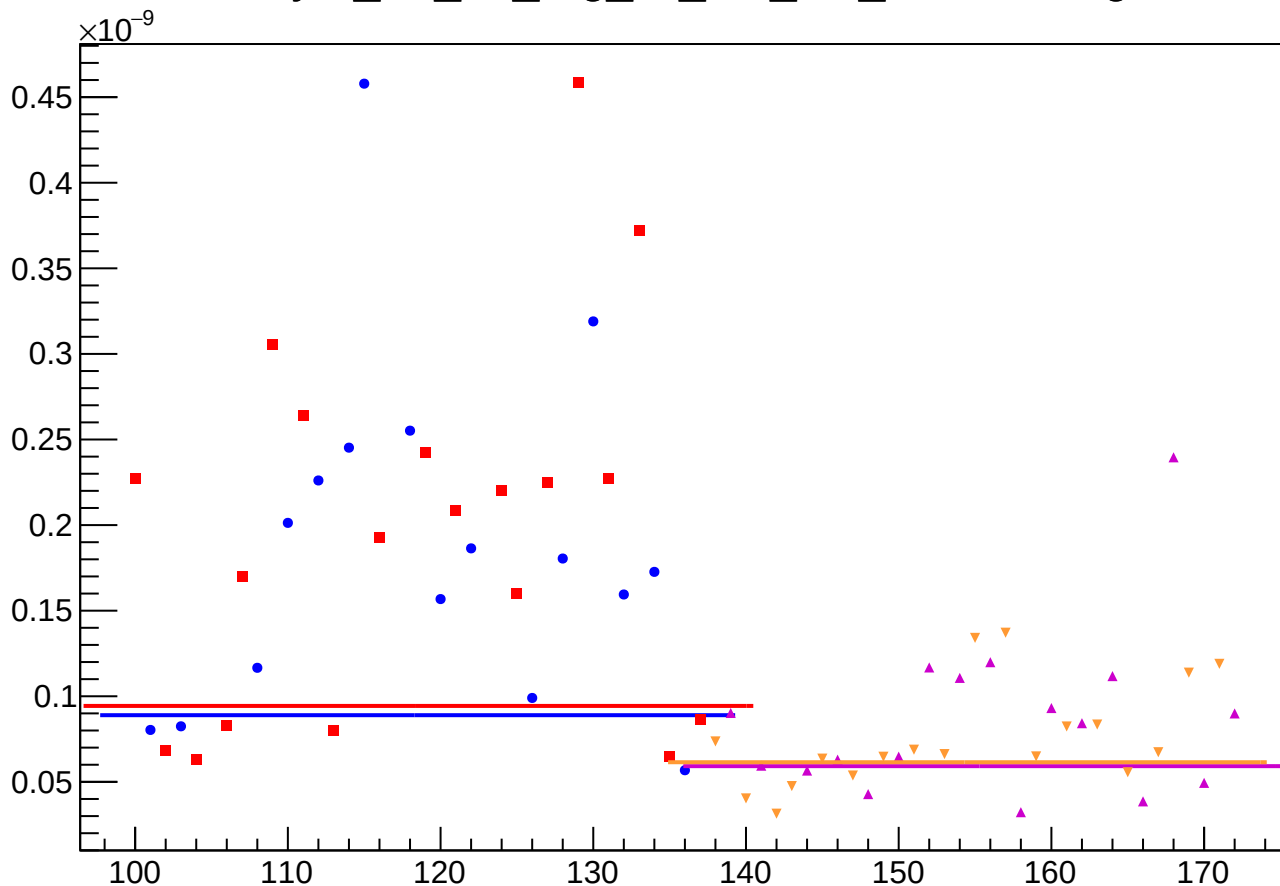
Left In: -0.000 ± 0.000 χ^2/NDF : 17.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 35.8/33

All: -0.000 ± 0.000 χ^2/NDF : 76.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 39.2/35

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1226064.3/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1695078.0/18

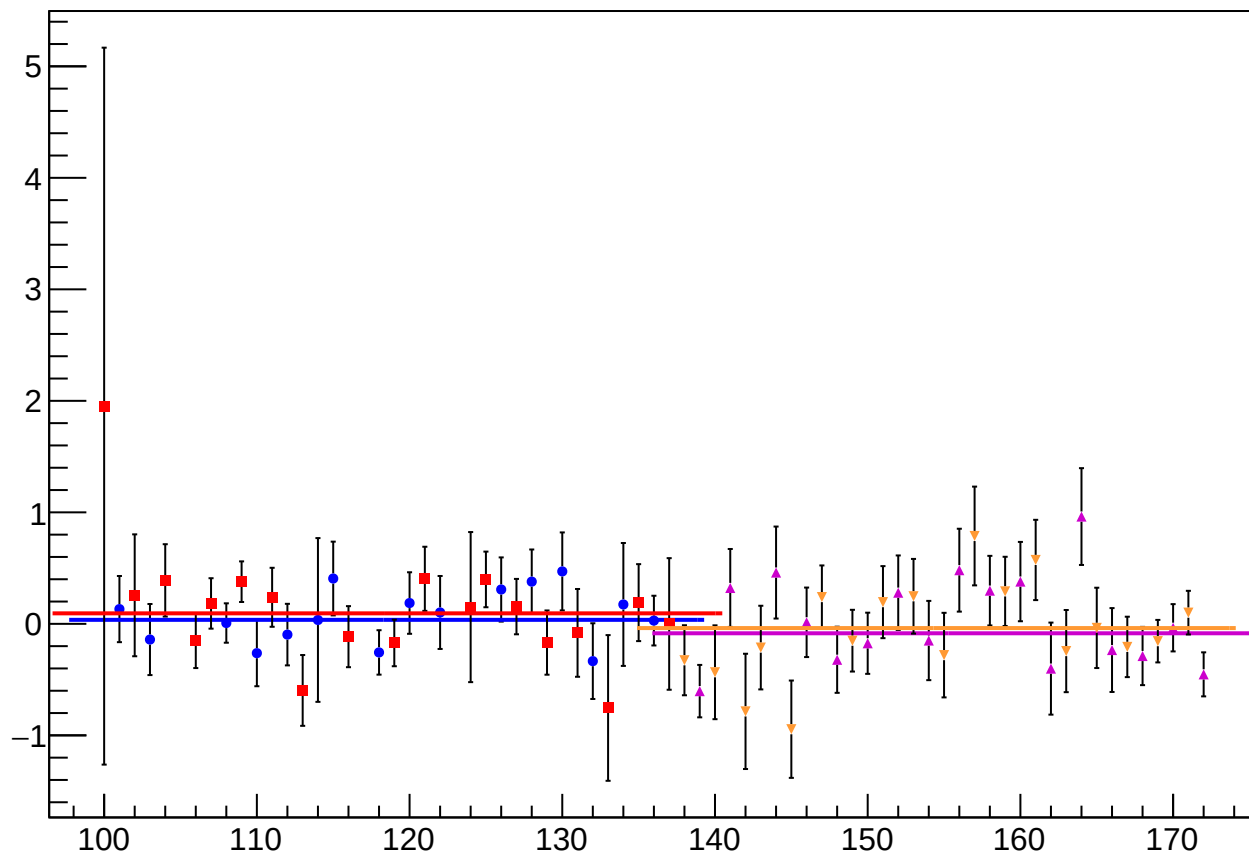
Left In: 0.000+/-0.000 χ^2/NDF : 1791290.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 2785931.9/33

All: 0.000+/-0.000 χ^2/NDF : 6730312.7/69

- sign 0.000+/-0.000 χ^2/NDF : 3939606.8/35

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 $\chi^2/\text{NDF}: 10.5/15$

Left Out: -0.038 ± 0.073 $\chi^2/\text{NDF}: 20.2/17$

Right Out: 0.094 ± 0.068 $\chi^2/\text{NDF}: 17.6/18$

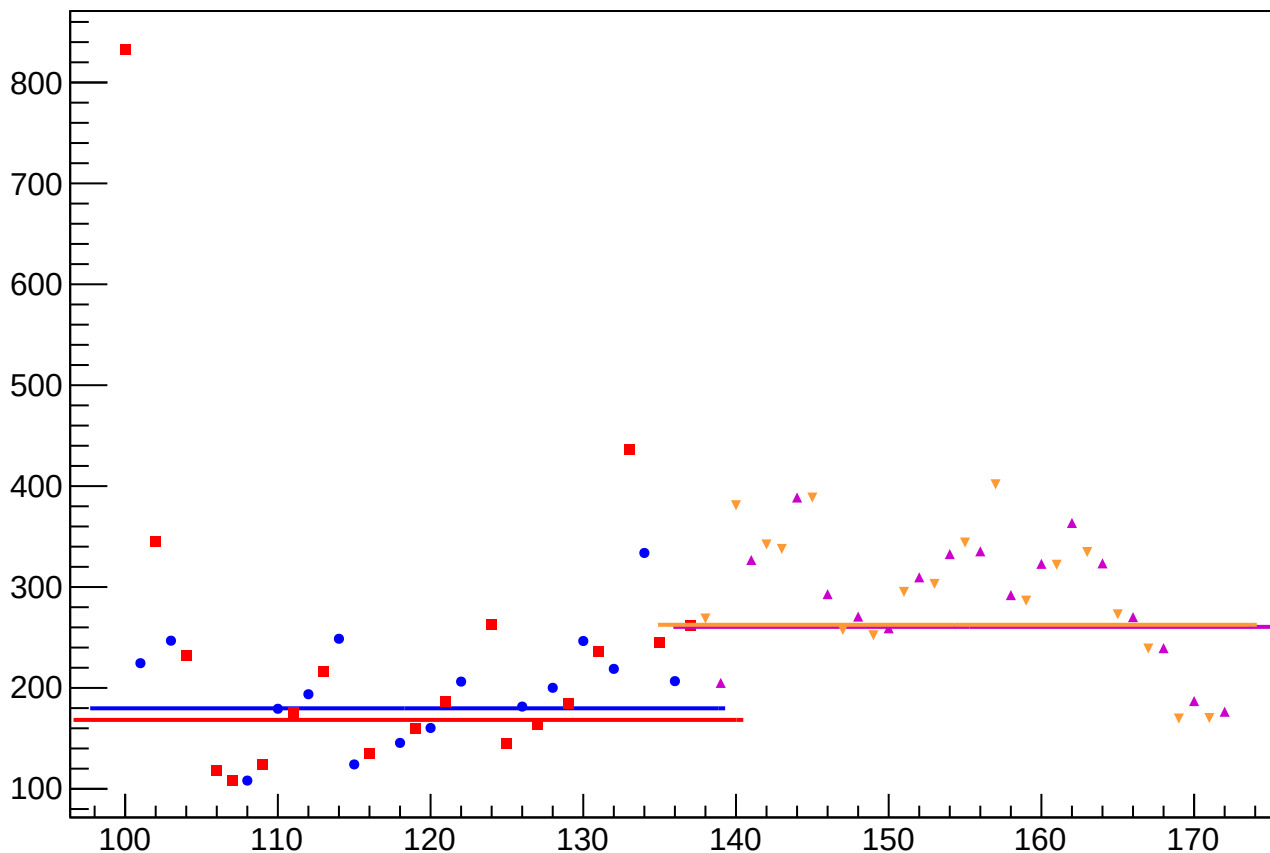
Left In: -0.085 ± 0.073 $\chi^2/\text{NDF}: 26.3/16$

+ sign 0.000 ± 0.051 $\chi^2/\text{NDF}: 31.3/33$

All: 0.006 ± 0.035 $\chi^2/\text{NDF}: 78.4/69$

- sign 0.011 ± 0.049 $\chi^2/\text{NDF}: 47.1/35$

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.796 $\pm$ 0.050 χ^2 /NDF: 918536.0/15

Left Out: 262.596 $\pm$ 0.052 χ^2 /NDF:1877127.5/17

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

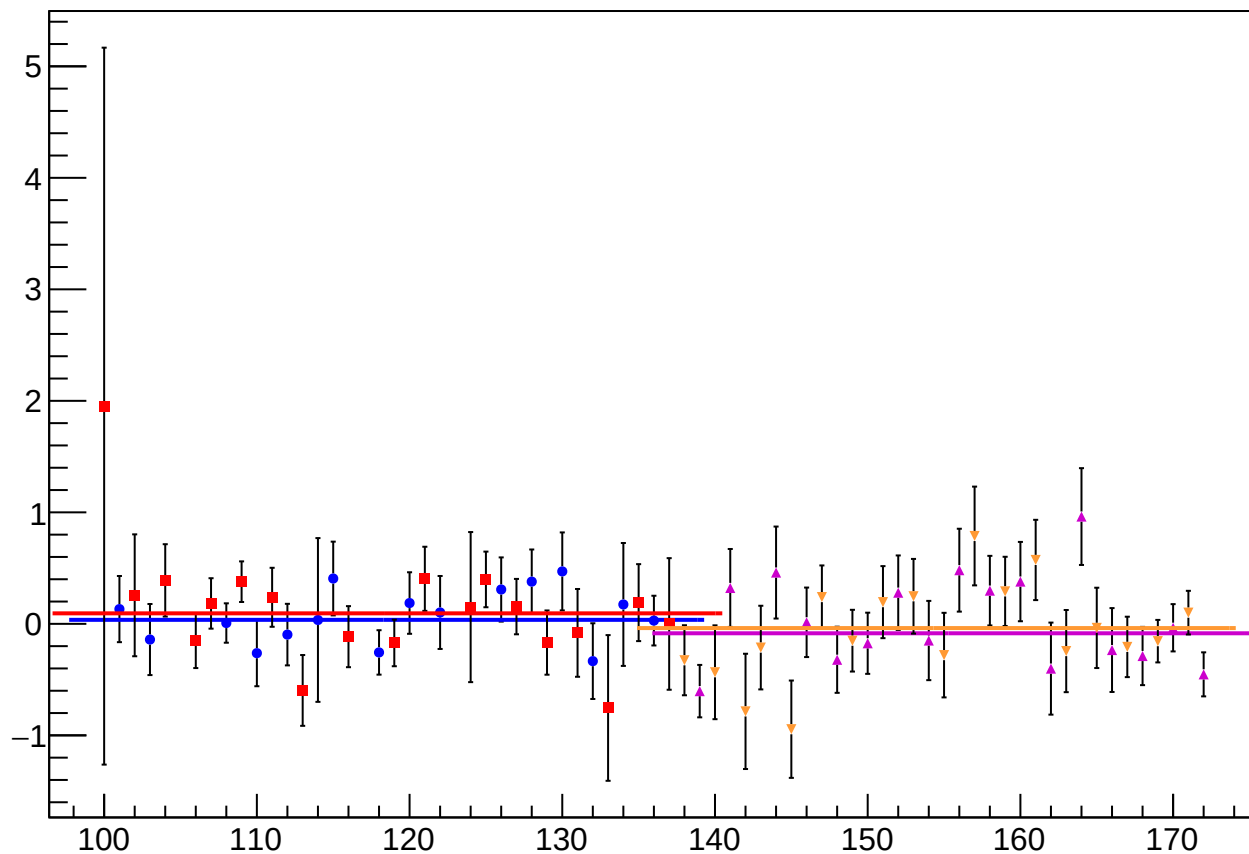
Left In: 260.518 $\pm$ 0.051 χ^2 /NDF:1473835.3/16

+ sign 219.874 $\pm$ 0.036 χ^2 /NDF: 4128001.9/33

All: 215.442 $\pm$ 0.025 χ^2 /NDF: 8769605.3/69

- sign 211.223 $\pm$ 0.035 χ^2 /NDF: 4611769.0/35

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 ± 0.071 $\chi^2/\text{NDF}: 10.5/15$

Left Out: -0.038 ± 0.073 $\chi^2/\text{NDF}: 20.2/17$

Right Out: 0.094 ± 0.068 $\chi^2/\text{NDF}: 17.6/18$

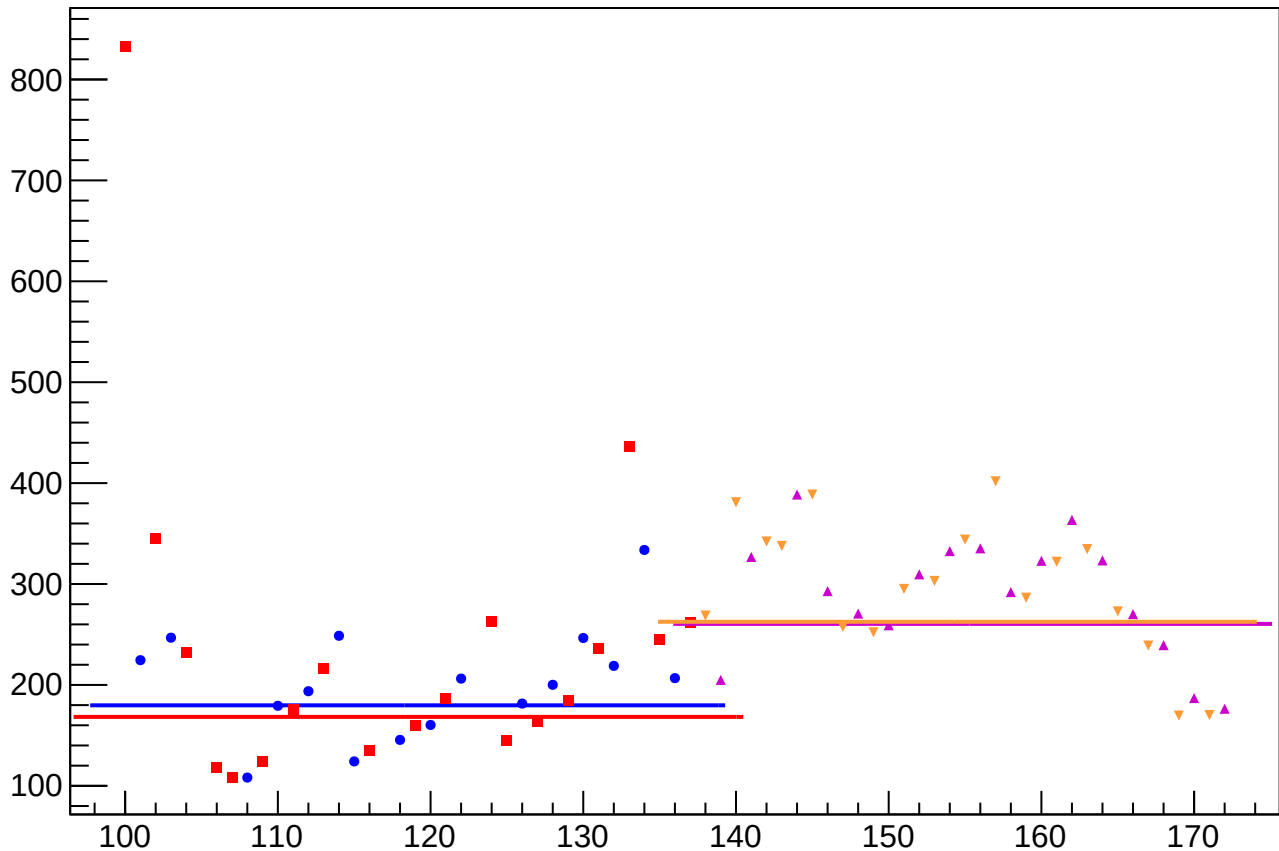
Left In: -0.085 ± 0.073 $\chi^2/\text{NDF}: 26.3/16$

+ sign 0.000 ± 0.051 $\chi^2/\text{NDF}: 31.3/33$

All: 0.006 ± 0.035 $\chi^2/\text{NDF}: 78.4/69$

- sign 0.011 ± 0.049 $\chi^2/\text{NDF}: 47.1/35$

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.796 $\pm$ 0.050 χ^2 /NDF: 918536.0/15

Left Out: 262.596 $\pm$ 0.052 χ^2 /NDF:1877127.5/17

Right Out: 168.334 $\pm$ 0.048 χ^2 /NDF: 1409290.2/18

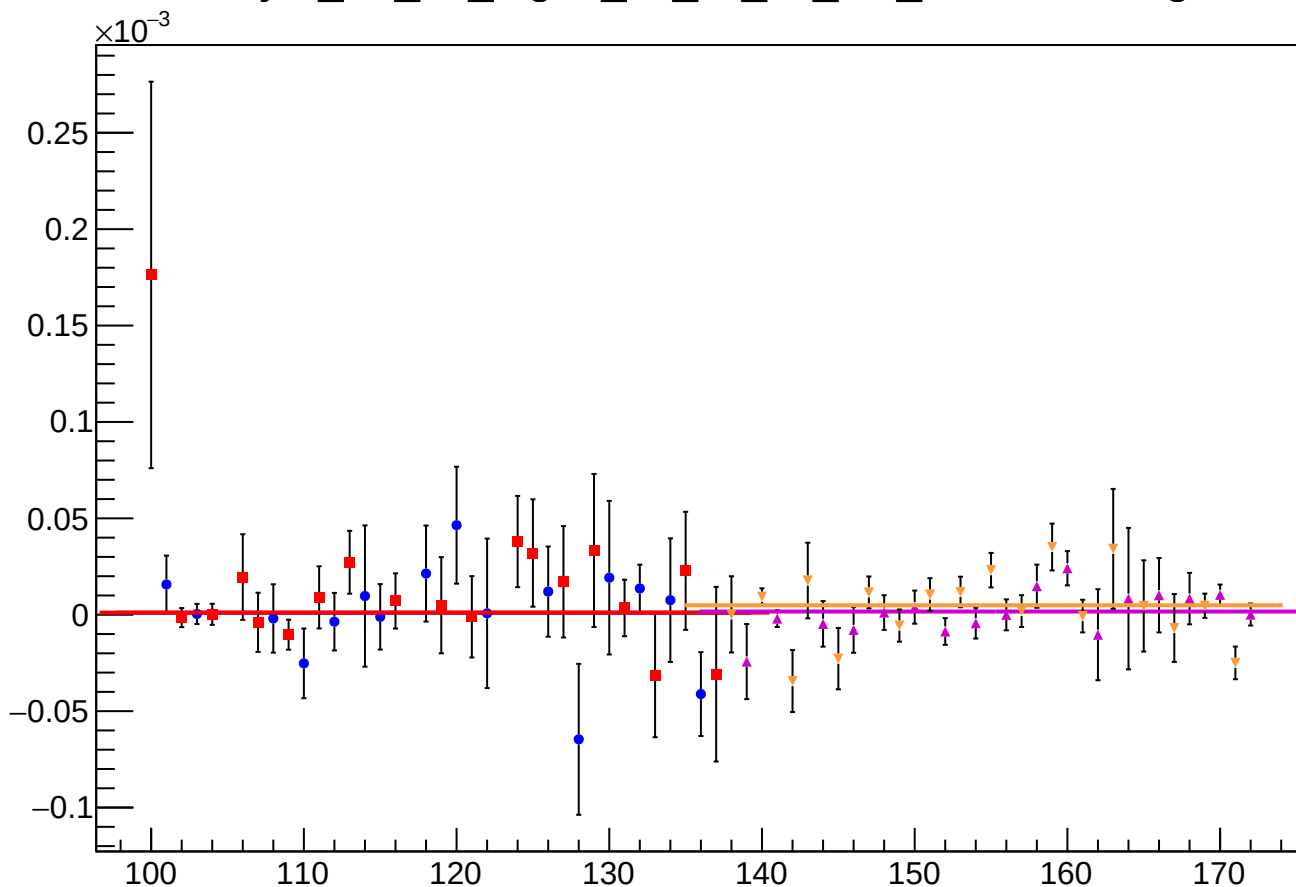
Left In: 260.518 $\pm$ 0.051 χ^2 /NDF:1473835.3/16

+ sign 219.874 $\pm$ 0.036 χ^2 /NDF: 4128001.9/33

All: 215.442 $\pm$ 0.025 χ^2 /NDF: 8769605.3/69

- sign 211.223 $\pm$ 0.035 χ^2 /NDF: 4611769.0/35

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

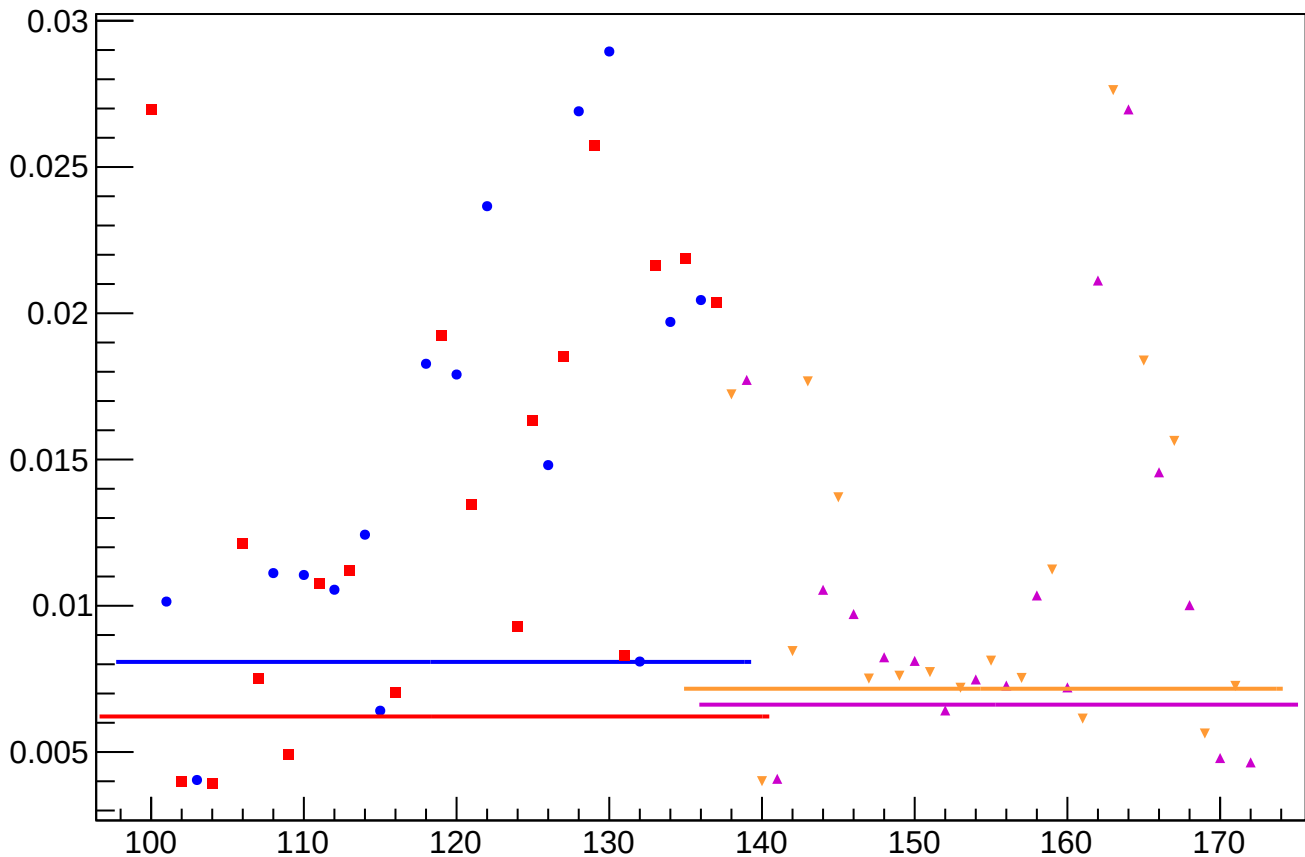
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/35

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 4413462.8/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4691145.0/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 4560988.3/18

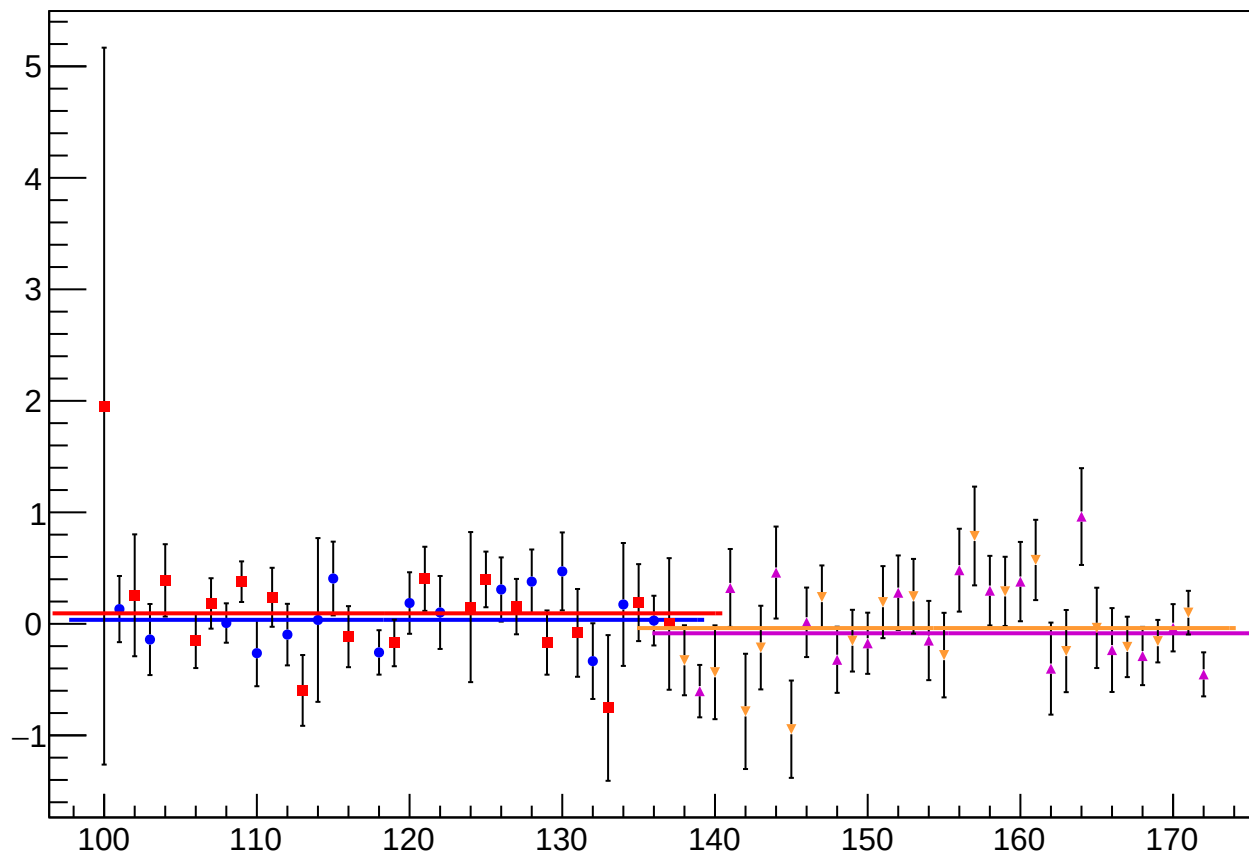
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4393665.7/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 9196088.9/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 18448321.4/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 8981865.8/35

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

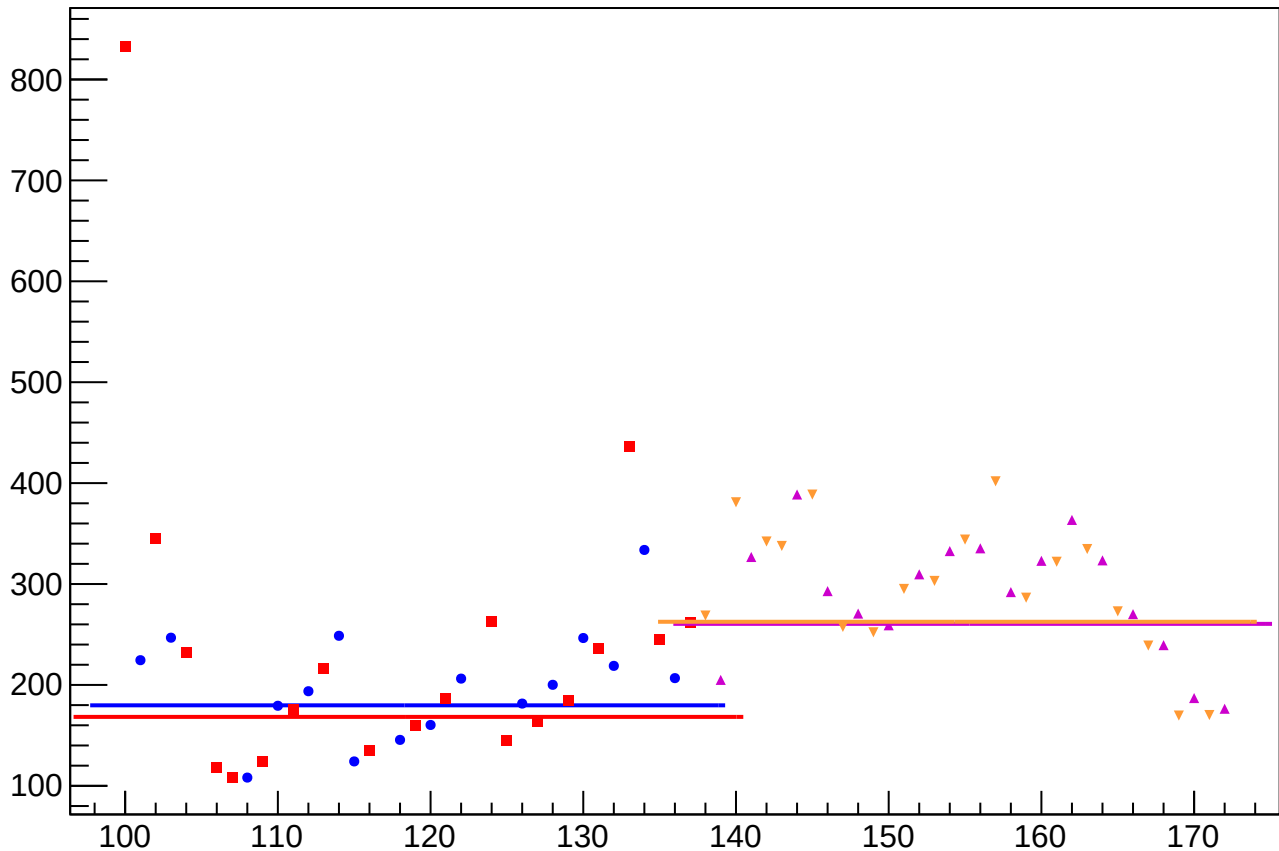
Left In: -0.085 ± 0.073 χ^2/NDF : 26.3/16

+ sign 0.000 ± 0.051 χ^2/NDF : 31.3/33

All: 0.006 ± 0.035 χ^2/NDF : 78.4/69

- sign 0.011 ± 0.049 χ^2/NDF : 47.1/35

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

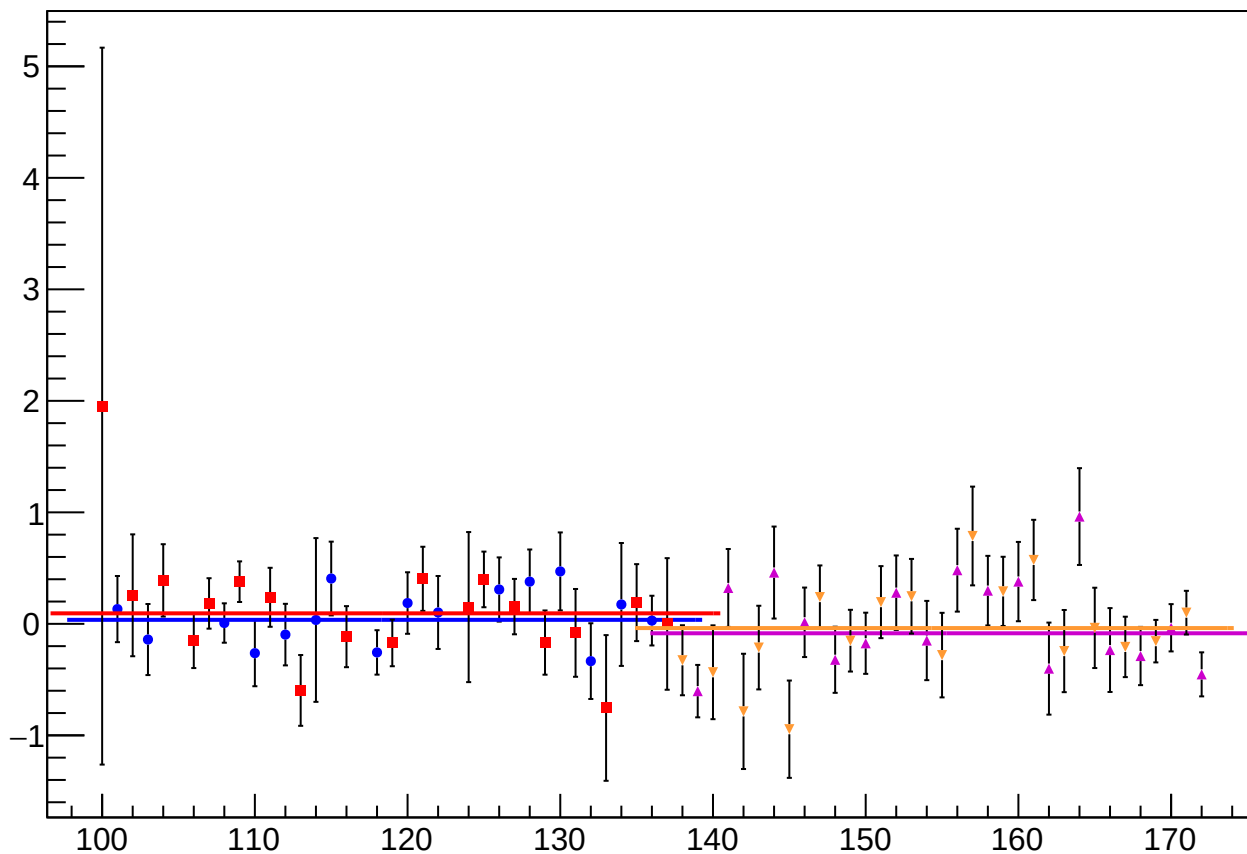
Left In: 260.521+/-0.051 χ^2/NDF : 1473874.0/16

+ sign 219.873+/-0.036 χ^2/NDF : 4128315.8/33

All: 215.441+/-0.025 χ^2/NDF : 8770043.8/69

- sign 211.224+/-0.035 χ^2/NDF : 4611908.0/35

asym_atr_dd_eigen_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

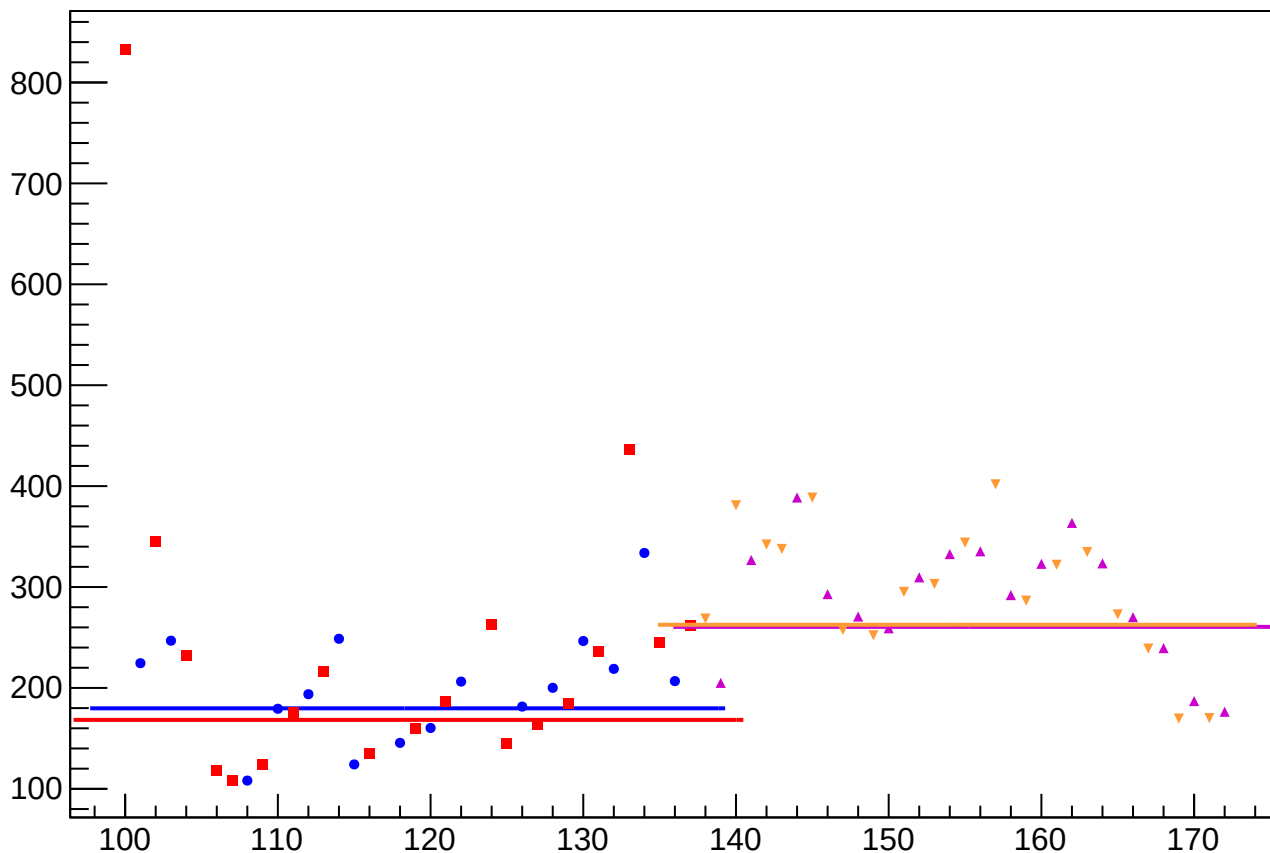
Left In: -0.085 ± 0.073 χ^2/NDF : 26.3/16

+ sign 0.000 ± 0.051 χ^2/NDF : 31.3/33

All: 0.006 ± 0.035 χ^2/NDF : 78.4/69

- sign 0.011 ± 0.049 χ^2/NDF : 47.1/35

asym_atr_dd_eigen_dit_vs_eigen_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

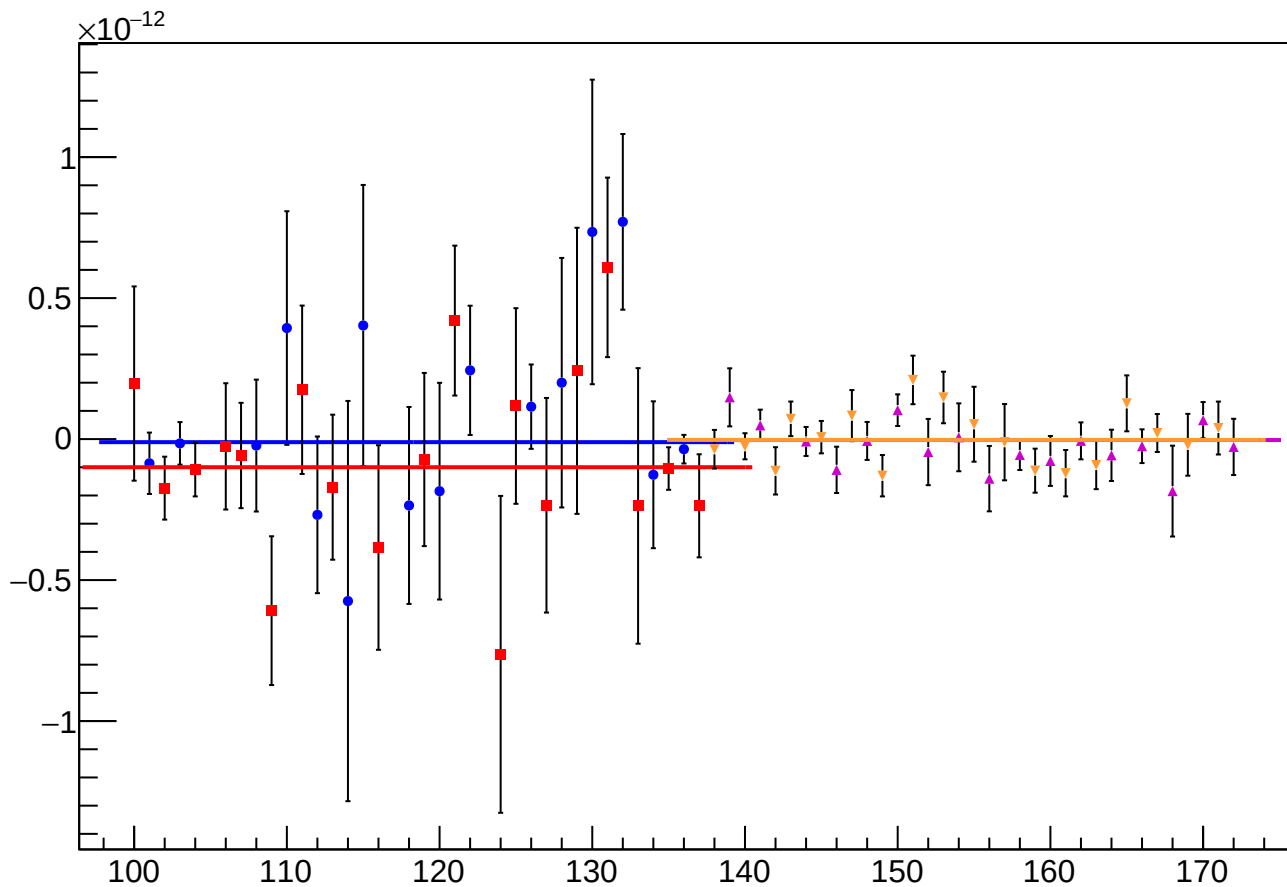
Left In: 260.521+/-0.051 χ^2/NDF :1473874.0/16

+ sign 219.873+/-0.036 χ^2/NDF : 4128315.8/33

All: 215.441+/-0.025 χ^2/NDF : 8770043.8/69

- sign 211.224+/-0.035 χ^2/NDF : 4611908.0/35

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 23.8/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

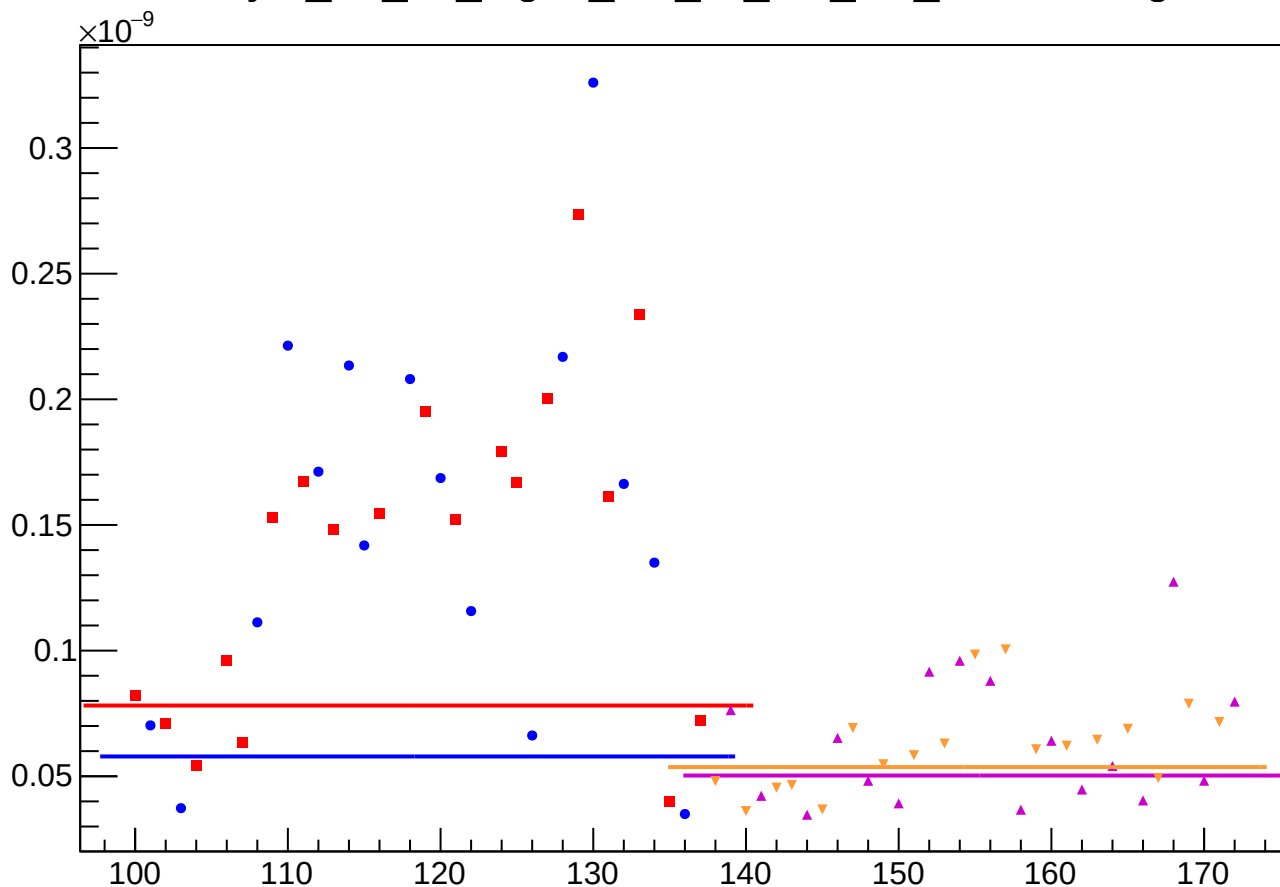
Left In: -0.000 ± 0.000 χ^2/NDF : 14.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 38.8/33

All: -0.000 ± 0.000 χ^2/NDF : 76.5/69

- sign -0.000 ± 0.000 χ^2/NDF : 37.4/35

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

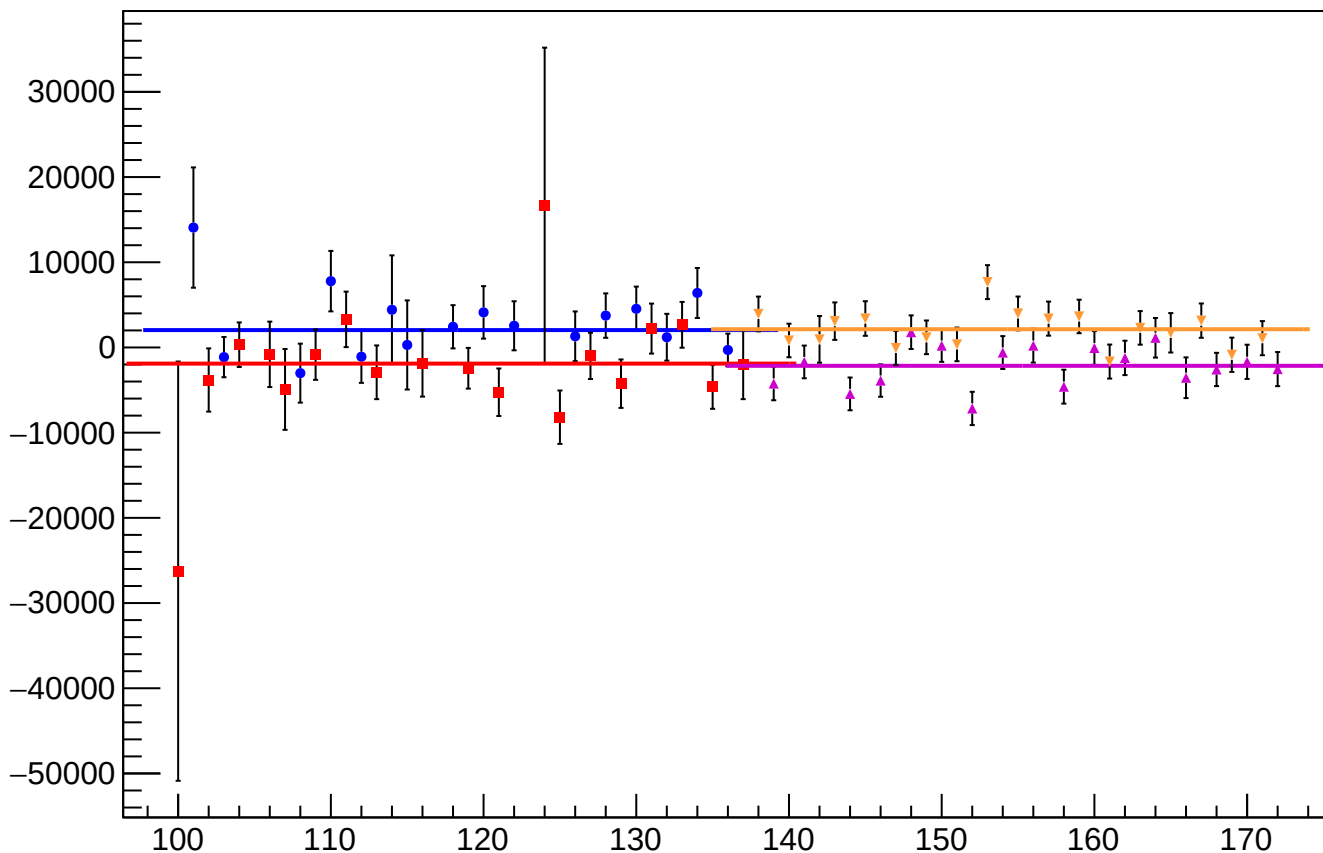
Left In: 0.000+/-0.000 χ^2/NDF : 2133304.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 4722403.7/33

All: 0.000+/-0.000 χ^2/NDF : 10331286.3/69

- sign 0.000+/-0.000 χ^2/NDF : 5608860.5/35

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

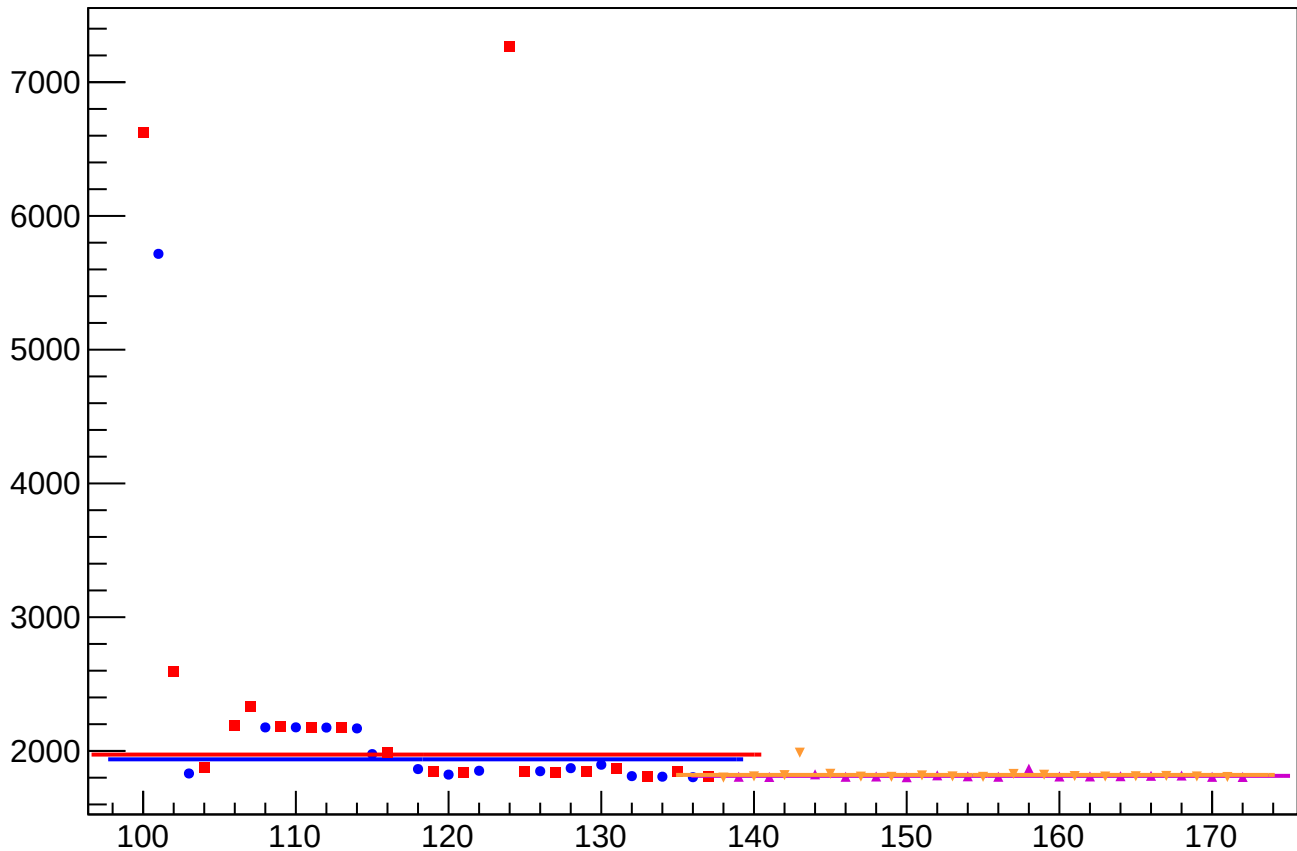
Left In: -2154.160+/-484.145 χ^2/NDF : 24.5/16

+ sign 2109.329+/-403.422 χ^2/NDF : 36.7/33

All: 22.758+/-285.680 χ^2/NDF : 133.4/69

- sign -2076.074+/-404.606 χ^2/NDF : 43.0/35

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

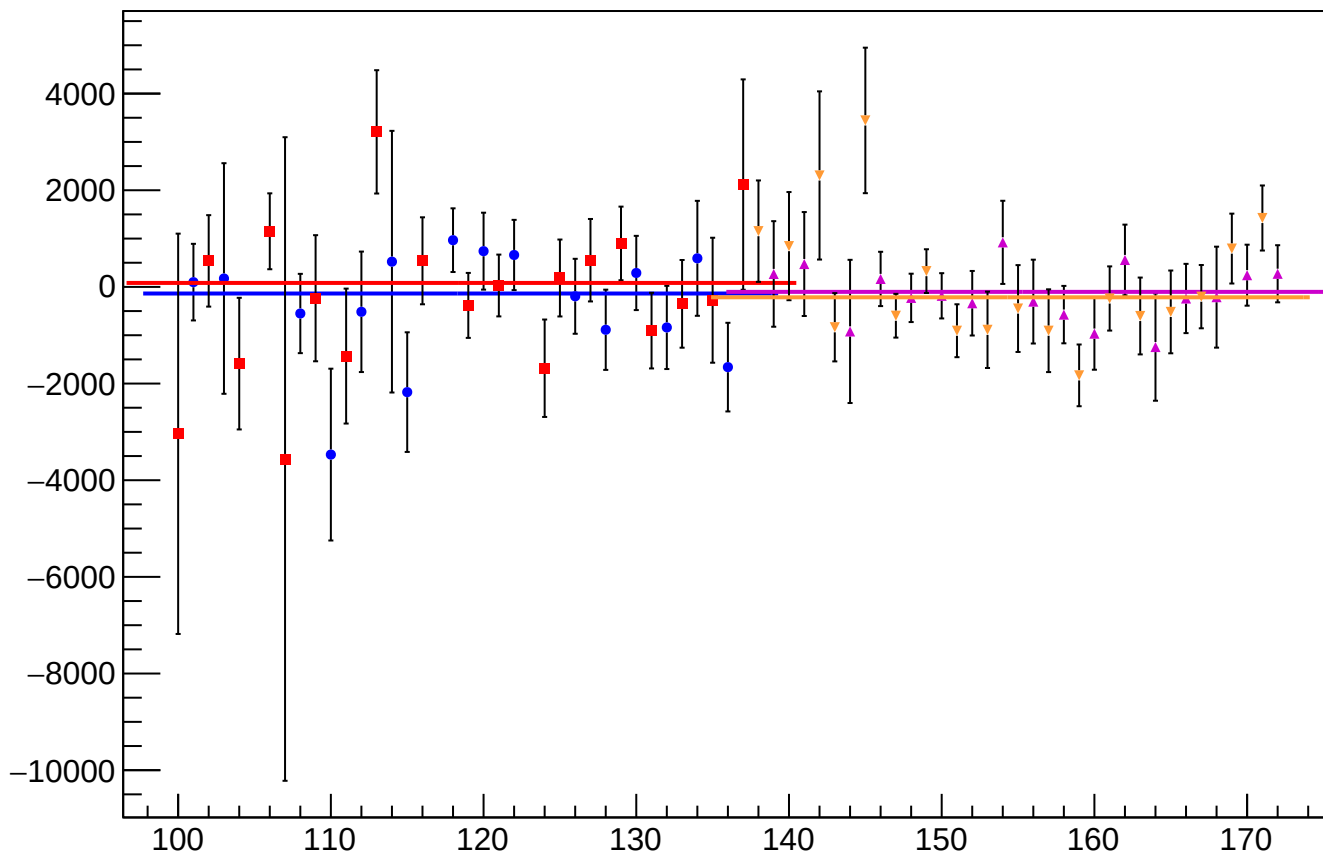
Left In: 1813.729+/-0.342 χ^2/NDF :1786.5/16

+ sign 1855.757+/-0.285 χ^2/NDF : 685596.8/33

All: 1858.715+/-0.202 χ^2/NDF : 1130216.9/69

- sign 1861.691+/-0.286 χ^2/NDF : 444404.4/35

asym_at1_avg_reg_correction_mean vs Slug



Right In: -136.643 $\pm$ 230.431 χ^2 /NDF: 16.9/15

Left Out: -215.041 $\pm$ 166.862 χ^2 /NDF:31.2/17

Right Out: 82.296 $\pm$ 222.019 χ^2 /NDF: 19.7/18

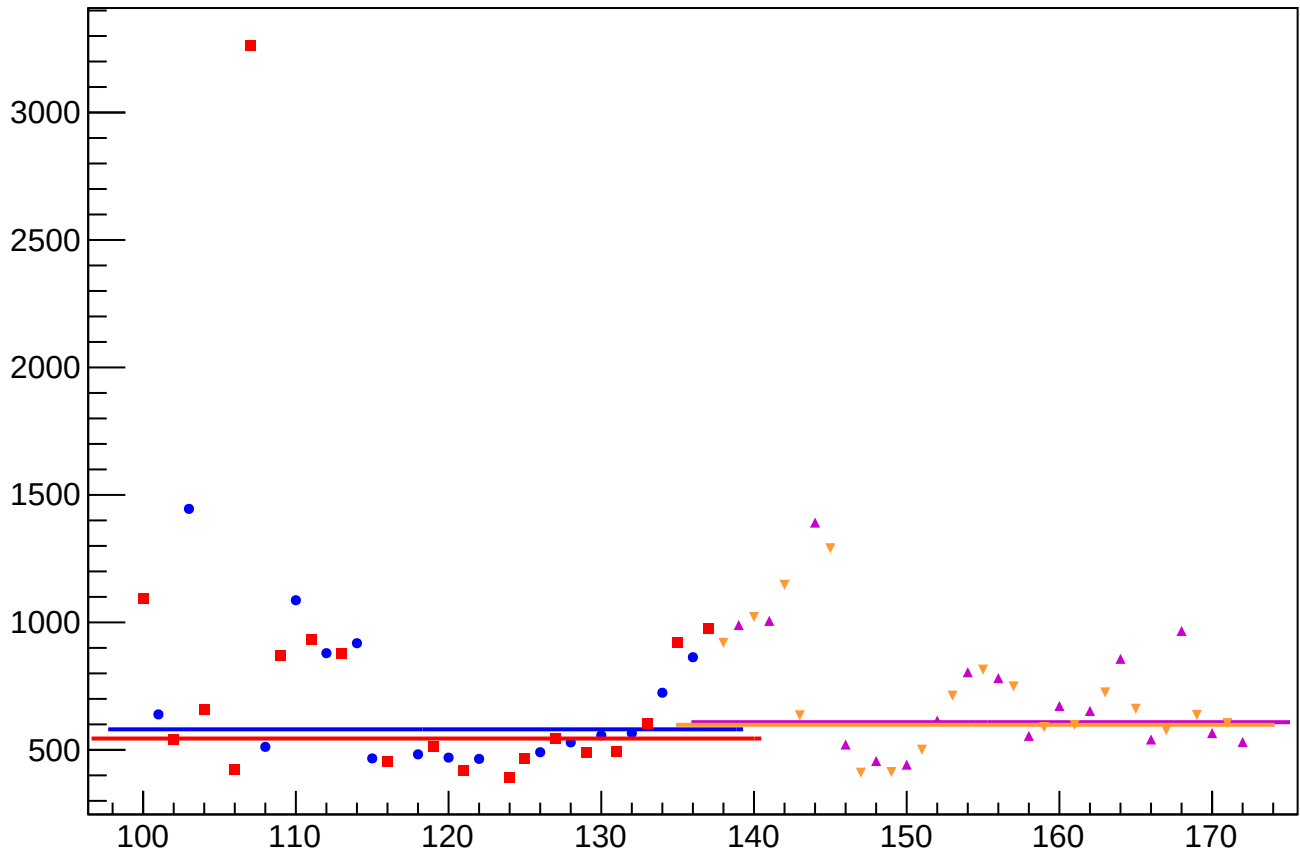
Left In: -102.578 $\pm$ 170.620 χ^2 /NDF:7.2/16

+ sign -188.073 $\pm$ 135.149 χ^2 /NDF: 48.2/33

All: -111.082 $\pm$ 95.613 χ^2 /NDF: 76.2/69

- sign -33.934 $\pm$ 135.286 χ^2 /NDF: 27.4/35

asym_at1_avg_reg_correction_rms vs Slug



Right In: 580.611 ± 0.163 $\chi^2/\text{NDF}: 1003410.8/15$

Left Out: 598.327 ± 0.118 $\chi^2/\text{NDF}: 2136278.0/17$

+ sign 592.233 ± 0.096 $\chi^2/\text{NDF}: 3147444.4/33$

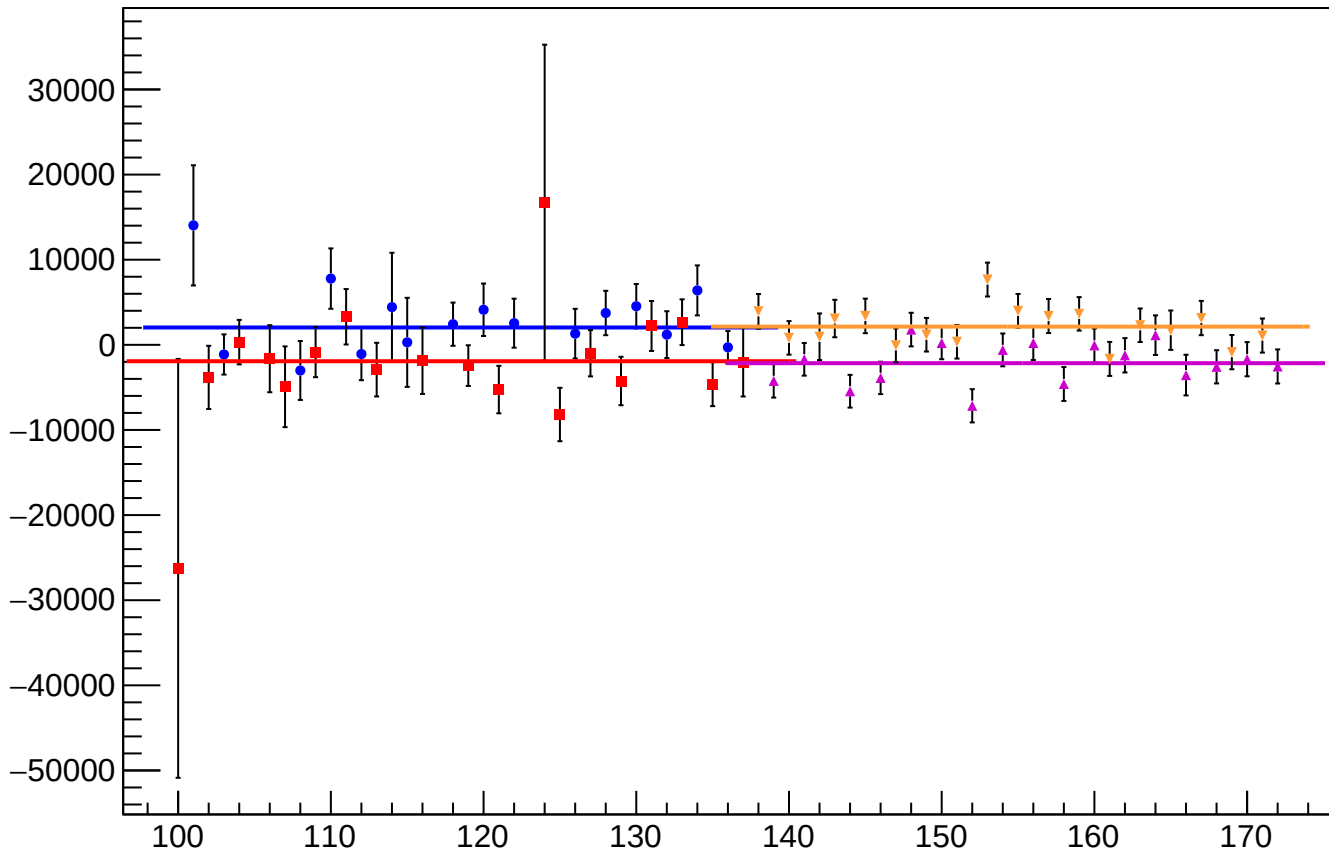
Right Out: 544.530 ± 0.157 $\chi^2/\text{NDF}: 1287643.0/18$

All: 588.519 ± 0.068 $\chi^2/\text{NDF}: 6722488.9/69$

- sign 584.798 ± 0.096 $\chi^2/\text{NDF}: 3572020.9/35$

Left In: 608.579 ± 0.121 $\chi^2/\text{NDF}: 2179733.8/16$

cor_asym_at1_avg_mean vs Slug



Right In: 2038.842 $\pm$ 736.211 χ^2 /NDF: 16.4/15

Left Out: 2139.396 $\pm$ 482.276 χ^2 /NDF: 20.2/17

Right Out: -1926.264 $\pm$ 737.411 χ^2 /NDF: 18.4/18

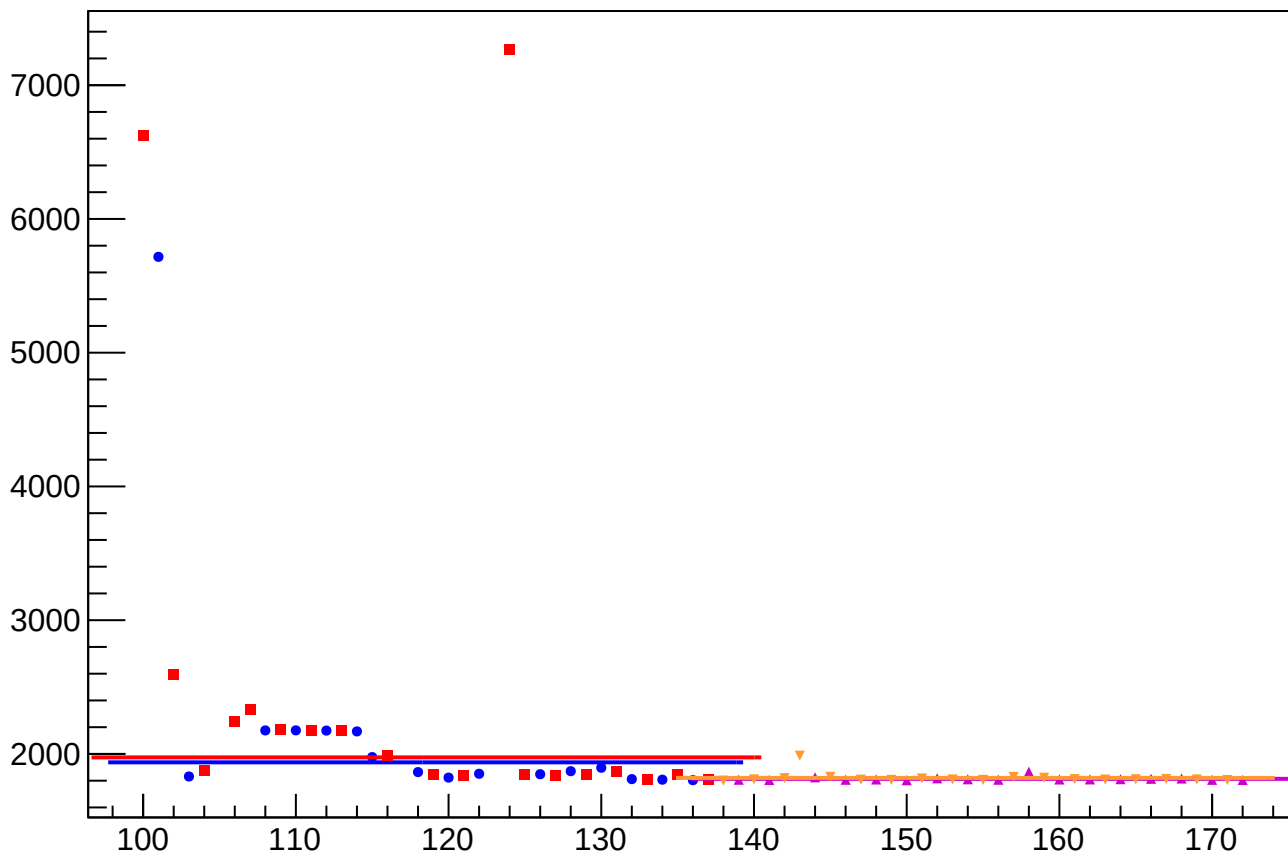
Left In: -2154.214 $\pm$ 484.145 χ^2 /NDF: 24.5/16

+ sign 2109.203 $\pm$ 403.422 χ^2 /NDF: 36.6/33

All: 18.526 $\pm$ 285.718 χ^2 /NDF: 133.5/69

- sign -2085.552 $\pm$ 404.713 χ^2 /NDF: 43.0/35

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

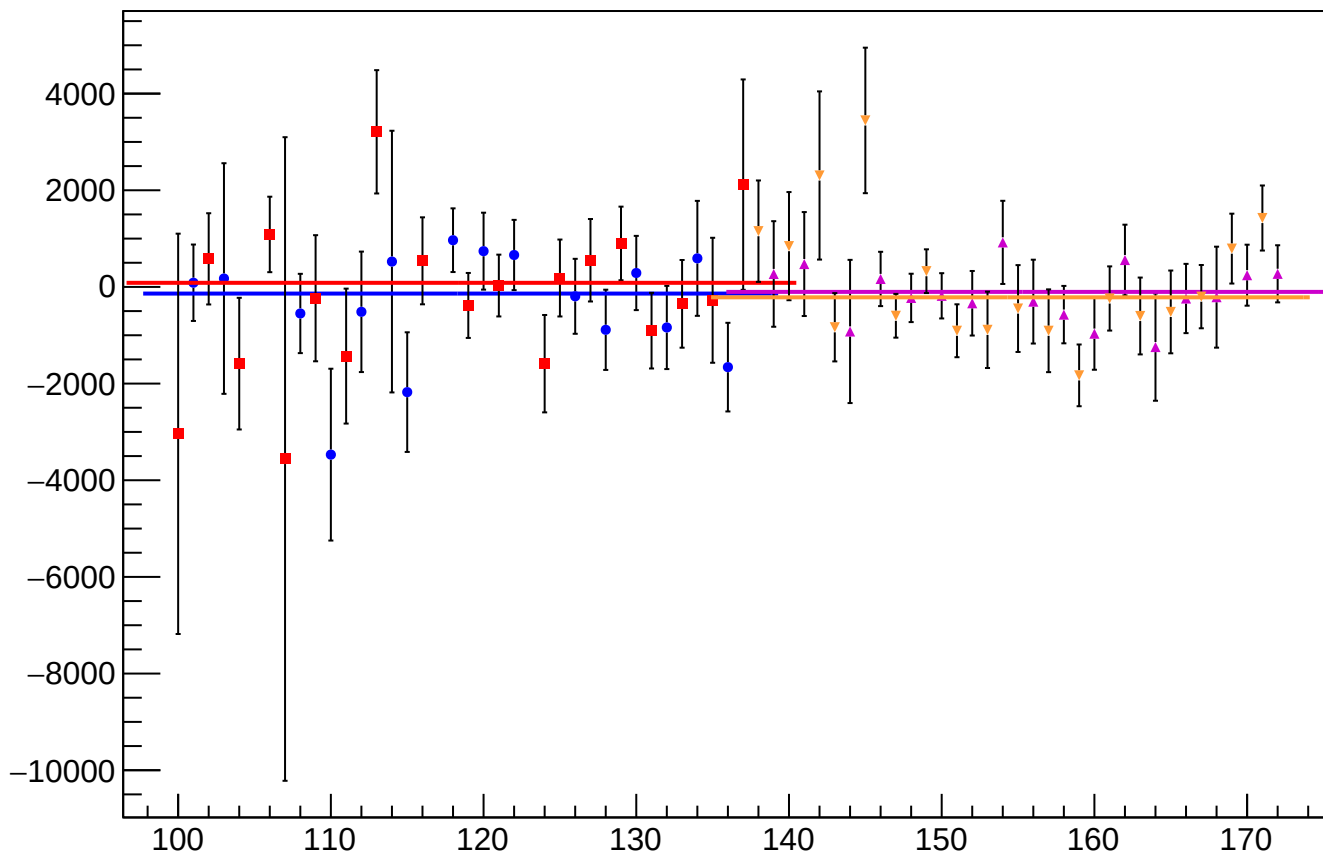
Left In: 1813.729+/-0.342 χ^2 /NDF:1786.5/16

+ sign 1855.757+/-0.285 χ^2 /NDF: 685596.7/33

All: 1858.894+/-0.202 χ^2 /NDF: 1134202.5/69

- sign 1862.052+/-0.286 χ^2 /NDF: 448363.0/35

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

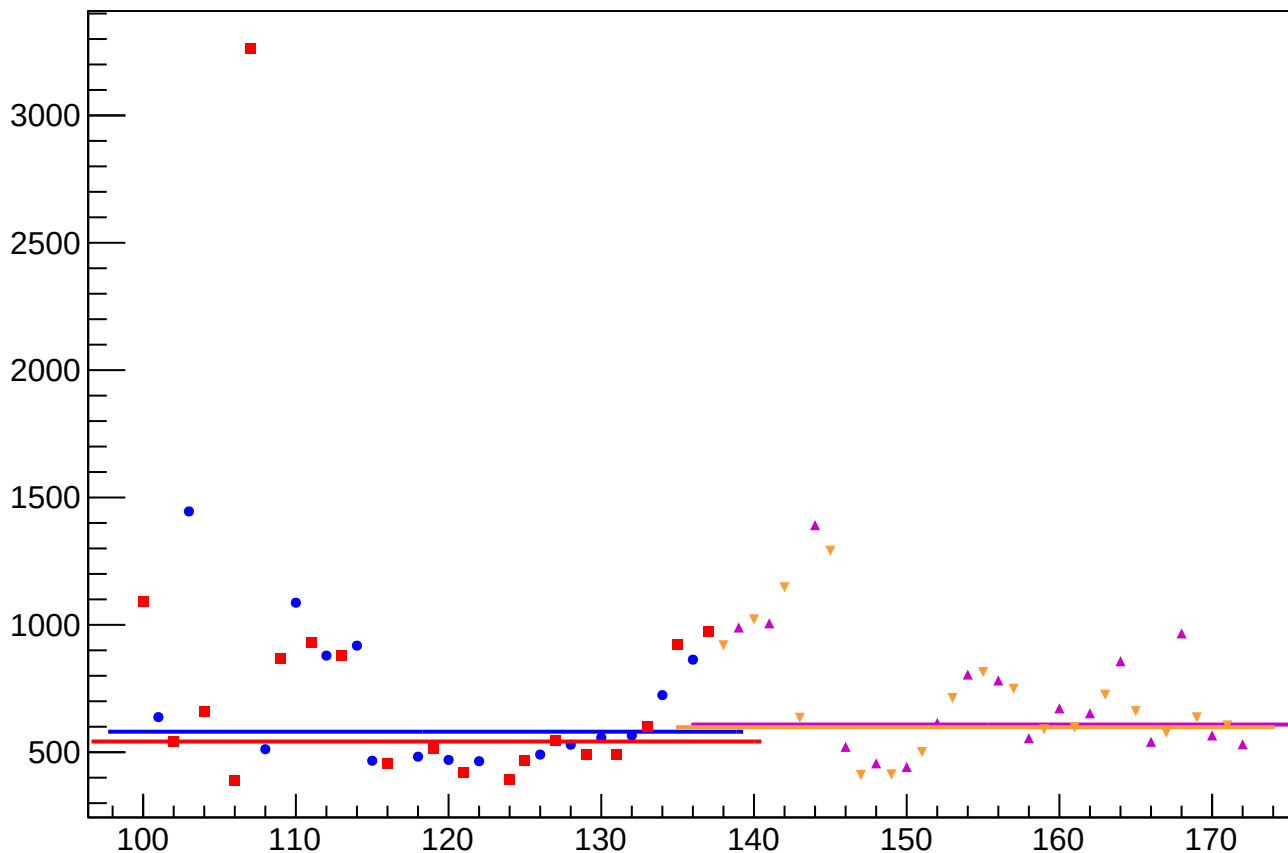
Left In: -102.613 ± 170.621 χ^2/NDF : 7.2/16

+ sign -188.390 ± 135.139 χ^2/NDF : 48.2/33

All: -110.720 ± 95.599 χ^2/NDF : 75.8/69

- sign -32.917 ± 135.255 χ^2/NDF : 26.9/35

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

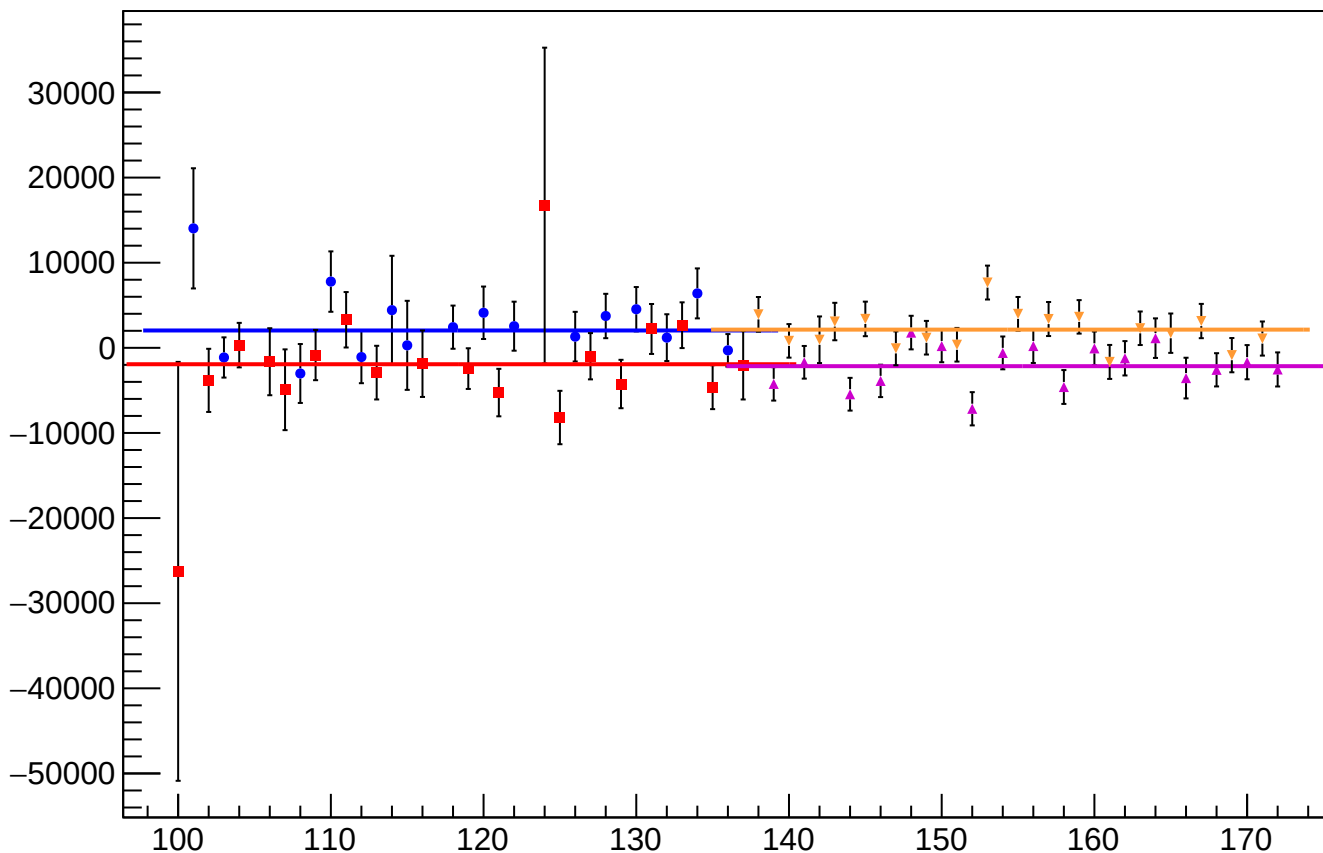
Left In: 608.583 ± 0.121 χ^2/NDF : 2179779.6/16

+ sign 592.198 ± 0.096 χ^2/NDF : 3147137.4/33

All: 588.012 ± 0.068 χ^2/NDF : 6762995.2/69

- sign 583.818 ± 0.096 χ^2/NDF : 3612015.8/35

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

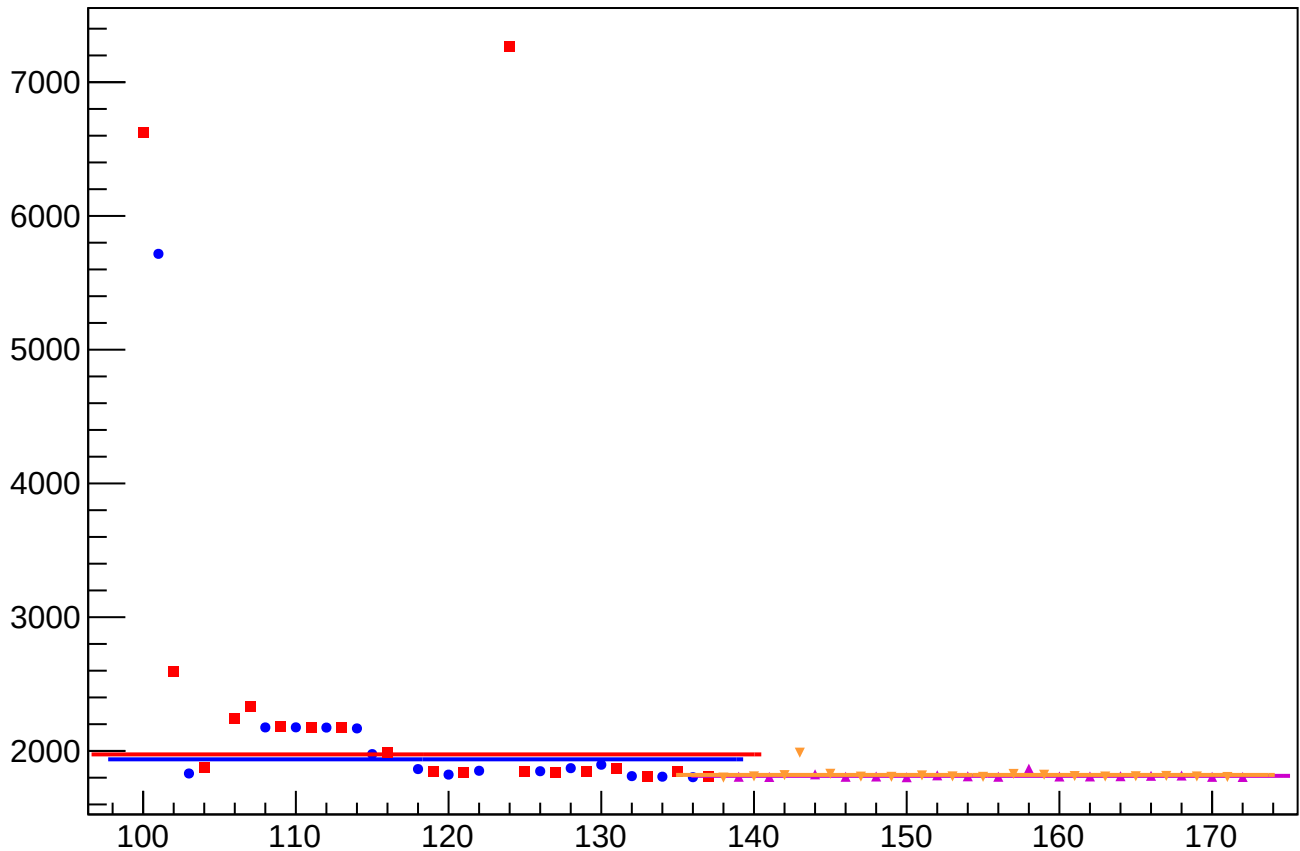
Left In: -2154.214+/-484.145 χ^2/NDF : 24.5/16

+ sign 2109.203+/-403.422 χ^2/NDF : 36.6/33

All: 18.526+/-285.718 χ^2/NDF : 133.5/69

- sign -2085.552+/-404.713 χ^2/NDF : 43.0/35

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

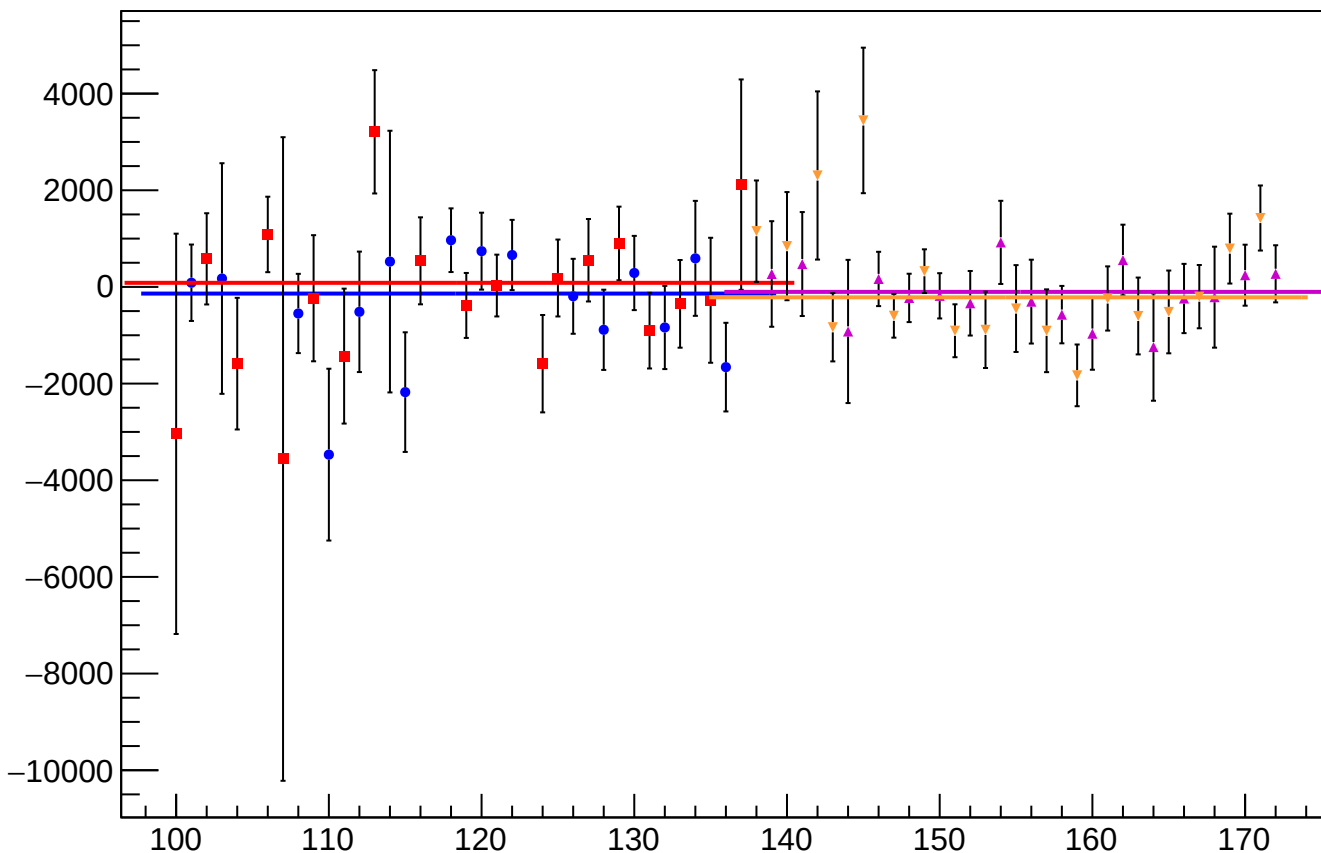
Left In: 1813.729+/-0.342 χ^2/NDF :1786.5/16

+ sign 1855.757+/-0.285 χ^2/NDF : 685596.7/33

All: 1858.894+/-0.202 χ^2/NDF : 1134202.5/69

- sign 1862.052+/-0.286 χ^2/NDF : 448363.0/35

asym_at1_avg_eigen_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

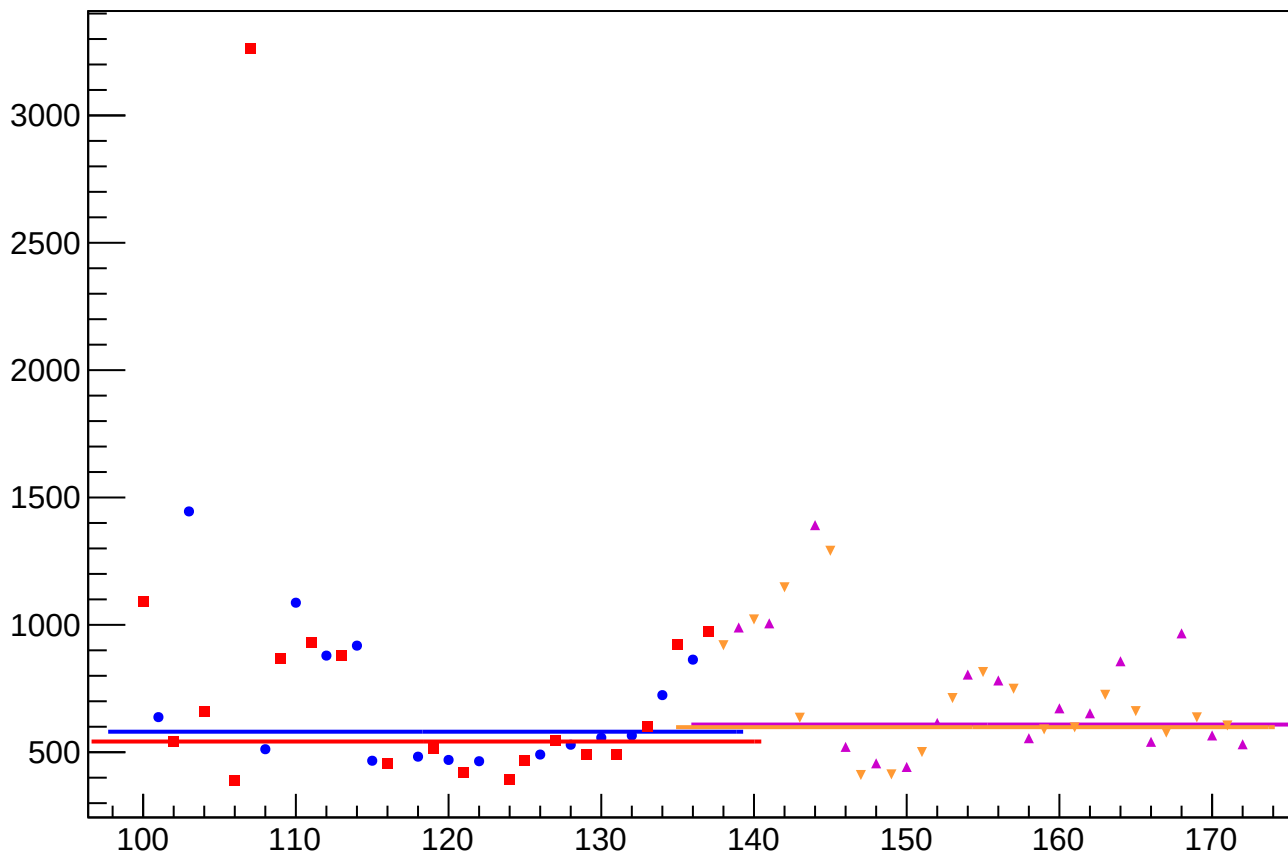
Left In: -102.613 ± 170.621 χ^2/NDF : 7.2/16

+ sign -188.390 ± 135.139 χ^2/NDF : 48.2/33

All: -110.720 ± 95.599 χ^2/NDF : 75.8/69

- sign -32.917 ± 135.255 χ^2/NDF : 26.9/35

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

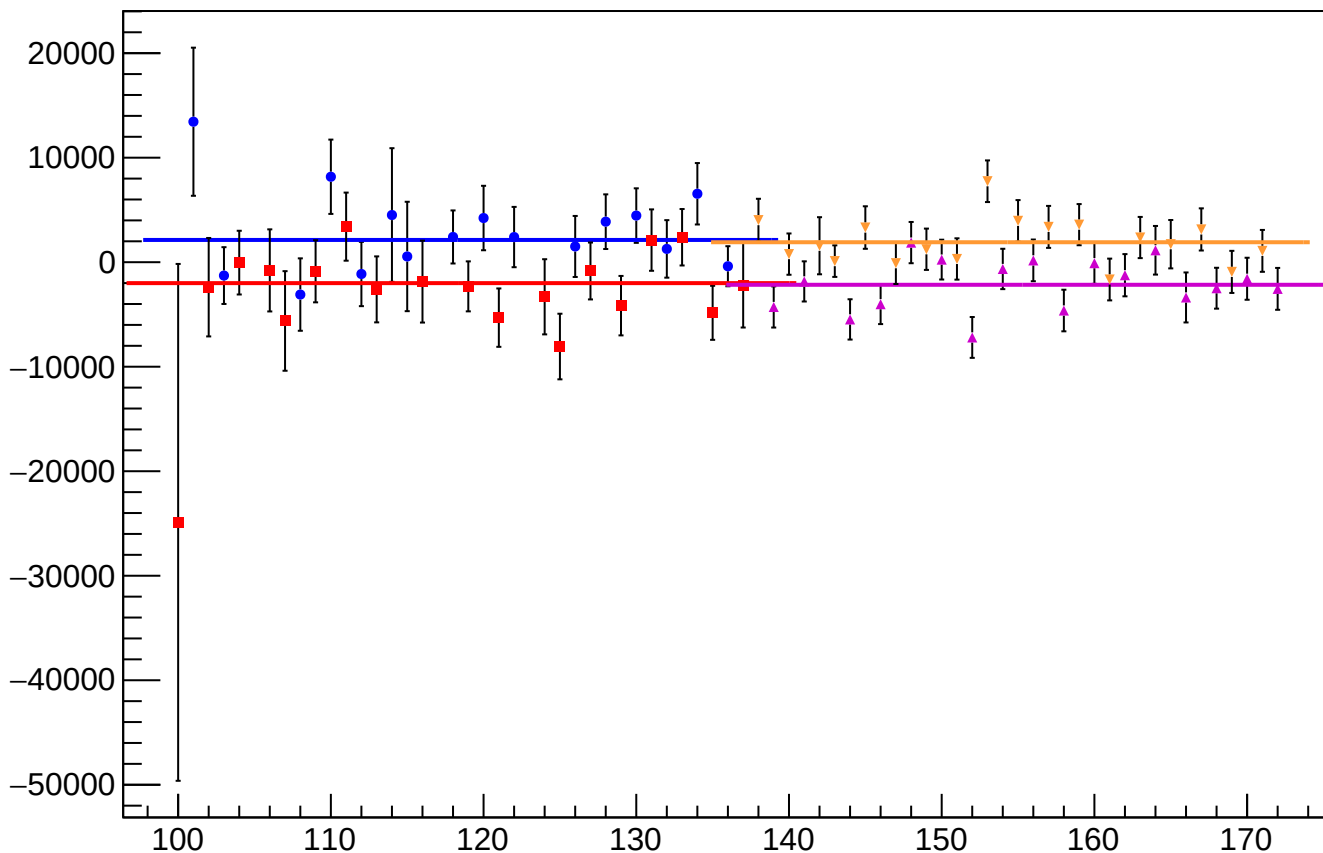
Left In: 608.583+/-0.121 χ^2/NDF : 2179779.6/16

+ sign 592.198+/-0.096 χ^2/NDF : 3147137.4/33

All: 588.012+/-0.068 χ^2/NDF : 6762995.2/69

- sign 583.818+/-0.096 χ^2/NDF : 3612015.8/35

dit_asym_at1_avg_mean vs Slug



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

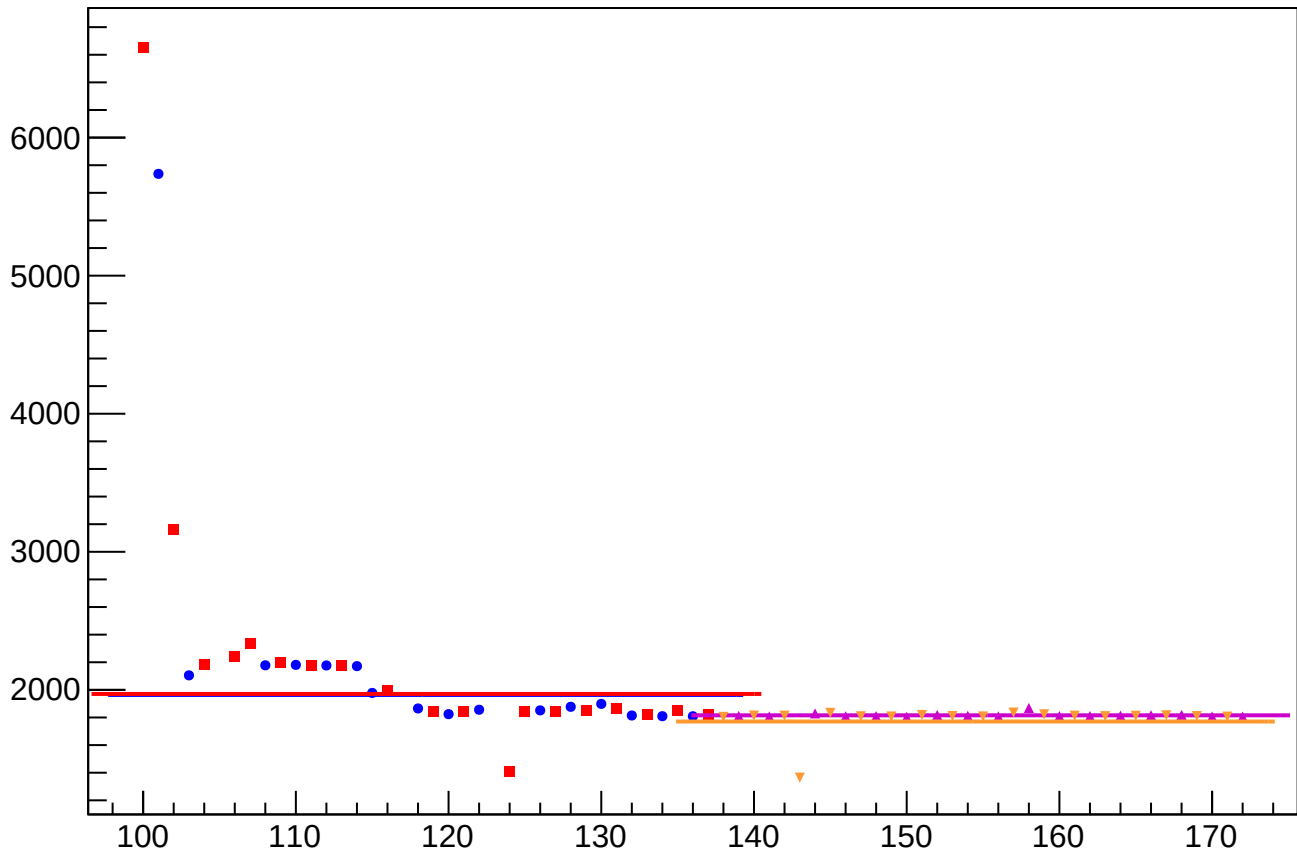
Left In: -2161.336 ± 484.663 χ^2/NDF : 24.8/16

+ sign 1972.099 ± 397.840 χ^2/NDF : 38.4/33

All: -34.279 ± 283.806 χ^2/NDF : 131.7/69

- sign -2113.317 ± 404.980 χ^2/NDF : 41.5/35

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

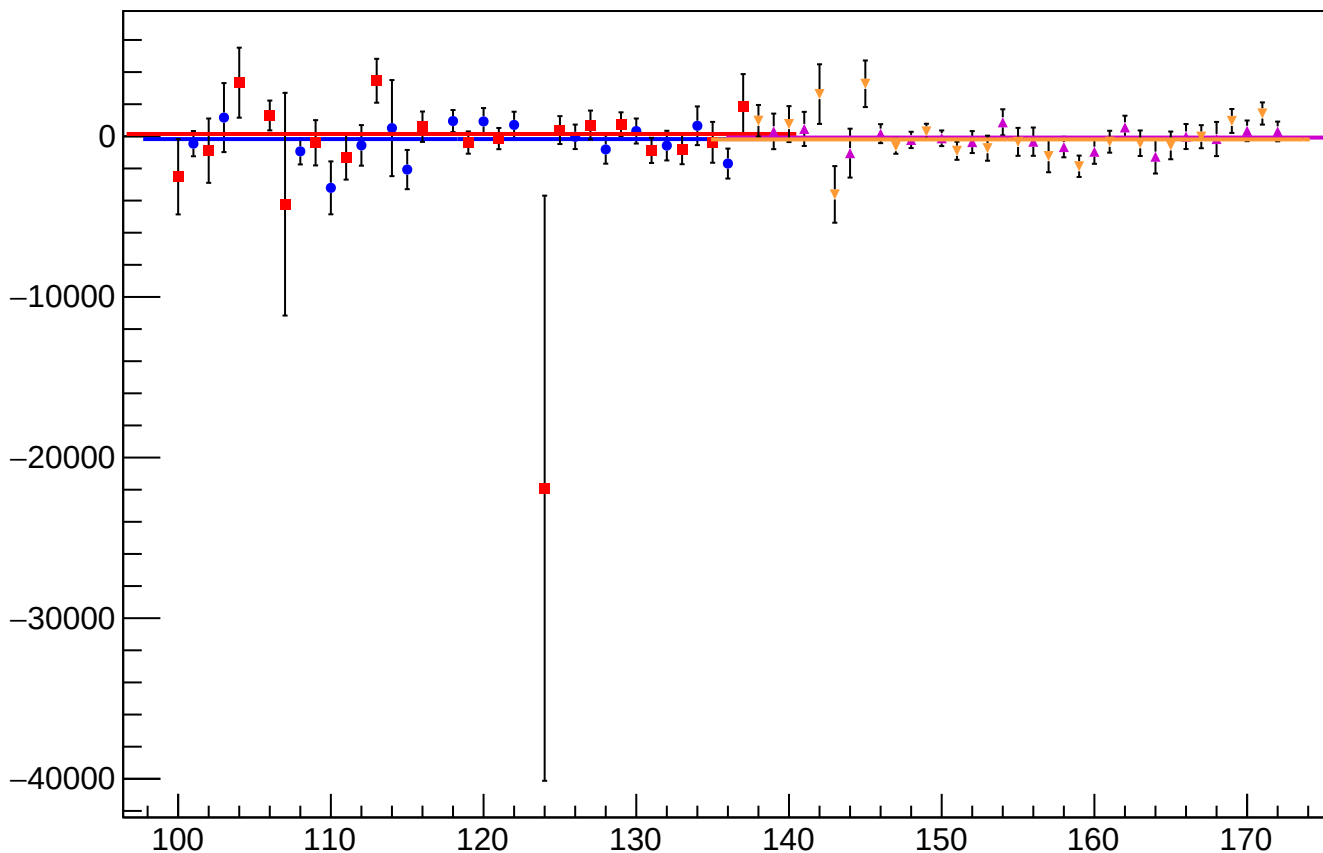
Left In: 1815.647+/-0.343 χ^2/NDF : 1841.0/16

+ sign 1825.446+/-0.281 χ^2/NDF : 896856.9/33

All: 1843.579+/-0.201 χ^2/NDF : 1313874.0/69

- sign 1862.367+/-0.286 χ^2/NDF : 408557.6/35

asym_at1_avg_dit_correction_mean vs Slug



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

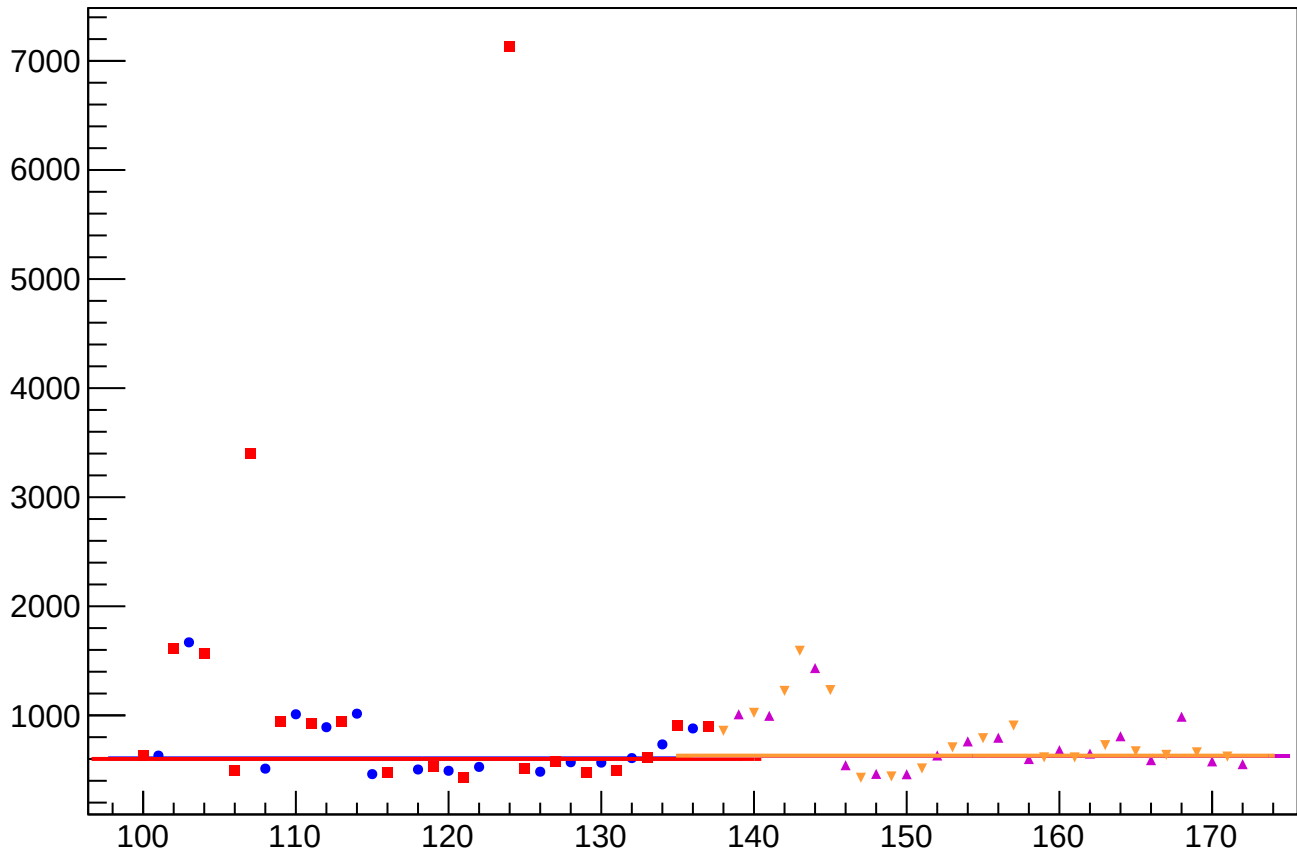
Left In: -76.942 ± 174.853 χ^2/NDF : 7.8/16

+ sign -184.471 ± 141.607 χ^2/NDF : 50.7/33

All: -92.583 ± 100.234 χ^2/NDF : 80.0/69

- sign -0.317 ± 141.899 χ^2/NDF : 28.4/35

asym_at1_avg_dit_correction_rms vs Slug



Right In: 605.430 ± 0.168 $\chi^2/\text{NDF}: 1162454.5/15$

Left Out: 630.593 ± 0.125 $\chi^2/\text{NDF}: 2546496.8/17$

+ sign 621.603 ± 0.100 $\chi^2/\text{NDF}: 3723453.0/33$

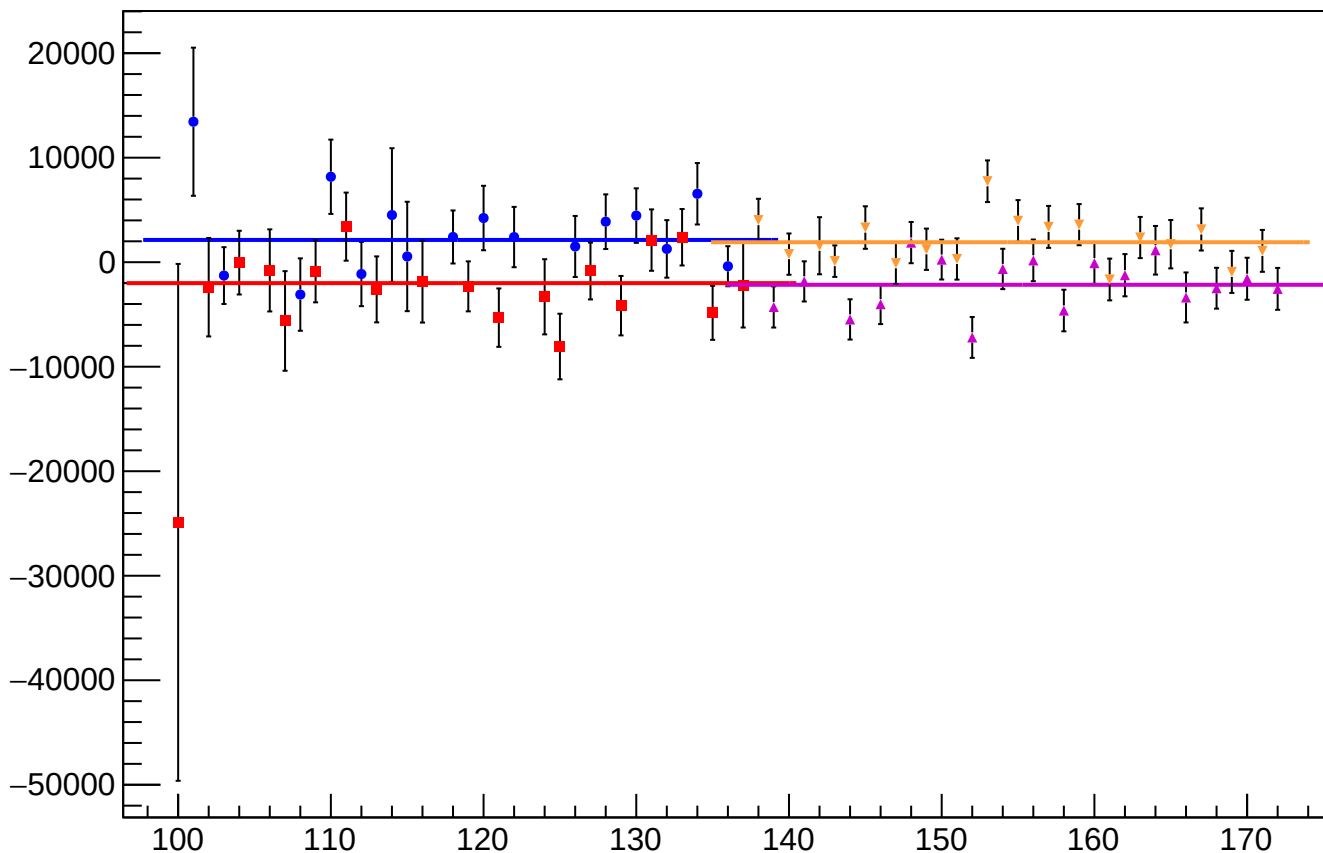
Right Out: 600.447 ± 0.172 $\chi^2/\text{NDF}: 2328523.8/18$

All: 619.899 ± 0.071 $\chi^2/\text{NDF}: 8072905.0/69$

- sign 618.188 ± 0.100 $\chi^2/\text{NDF}: 4348871.7/35$

Left In: 627.385 ± 0.124 $\chi^2/\text{NDF}: 2004140.0/16$

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2128.746 $\pm$ 746.242 χ^2 /NDF: 16.5/15

Left Out: 1909.897 $\pm$ 470.240 χ^2 /NDF: 21.8/17

Right Out: -2002.218 $\pm$ 737.195 χ^2 /NDF: 16.7/18

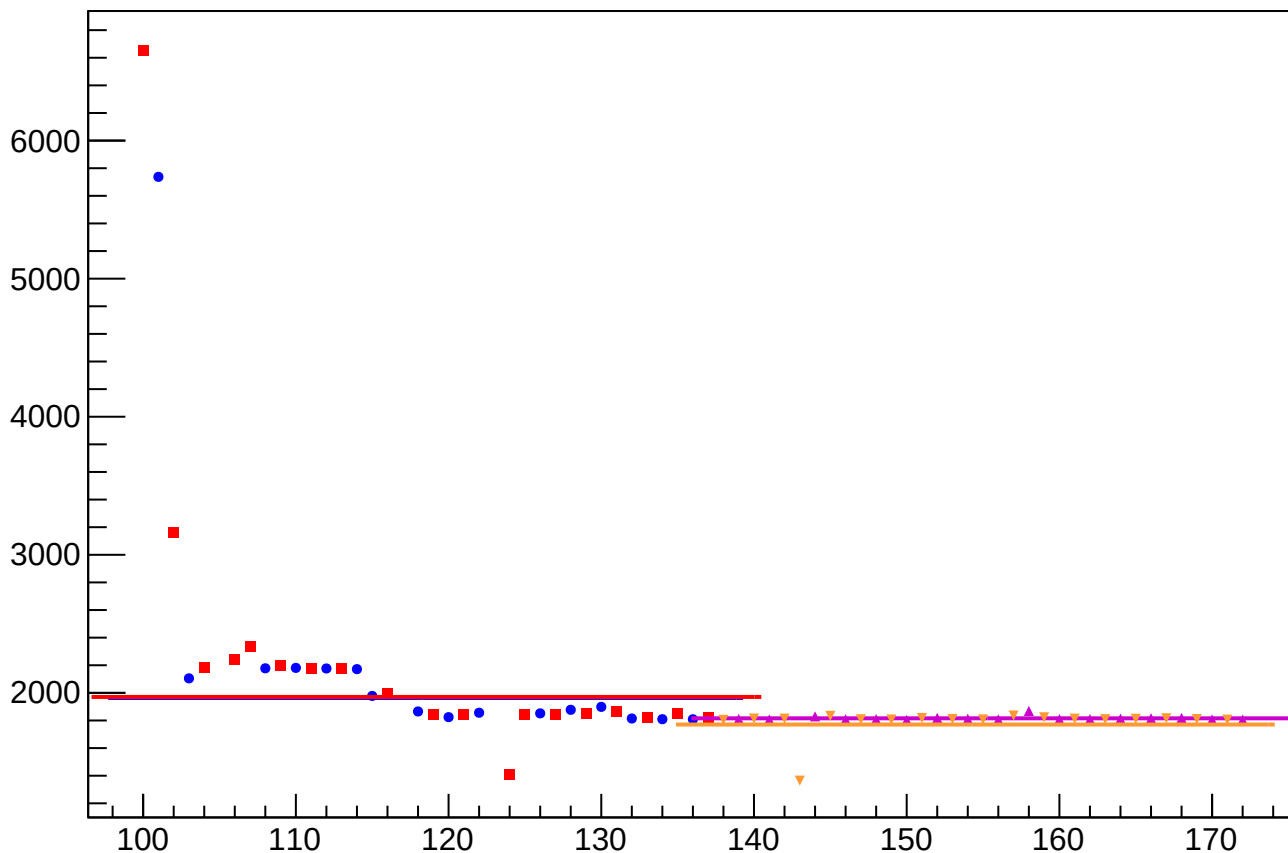
Left In: -2161.336 $\pm$ 484.663 χ^2 /NDF: 24.8/16

+ sign 1972.099 $\pm$ 397.840 χ^2 /NDF: 38.4/33

All: -34.279 $\pm$ 283.806 χ^2 /NDF: 131.7/69

- sign -2113.316 $\pm$ 404.980 χ^2 /NDF: 41.5/35

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

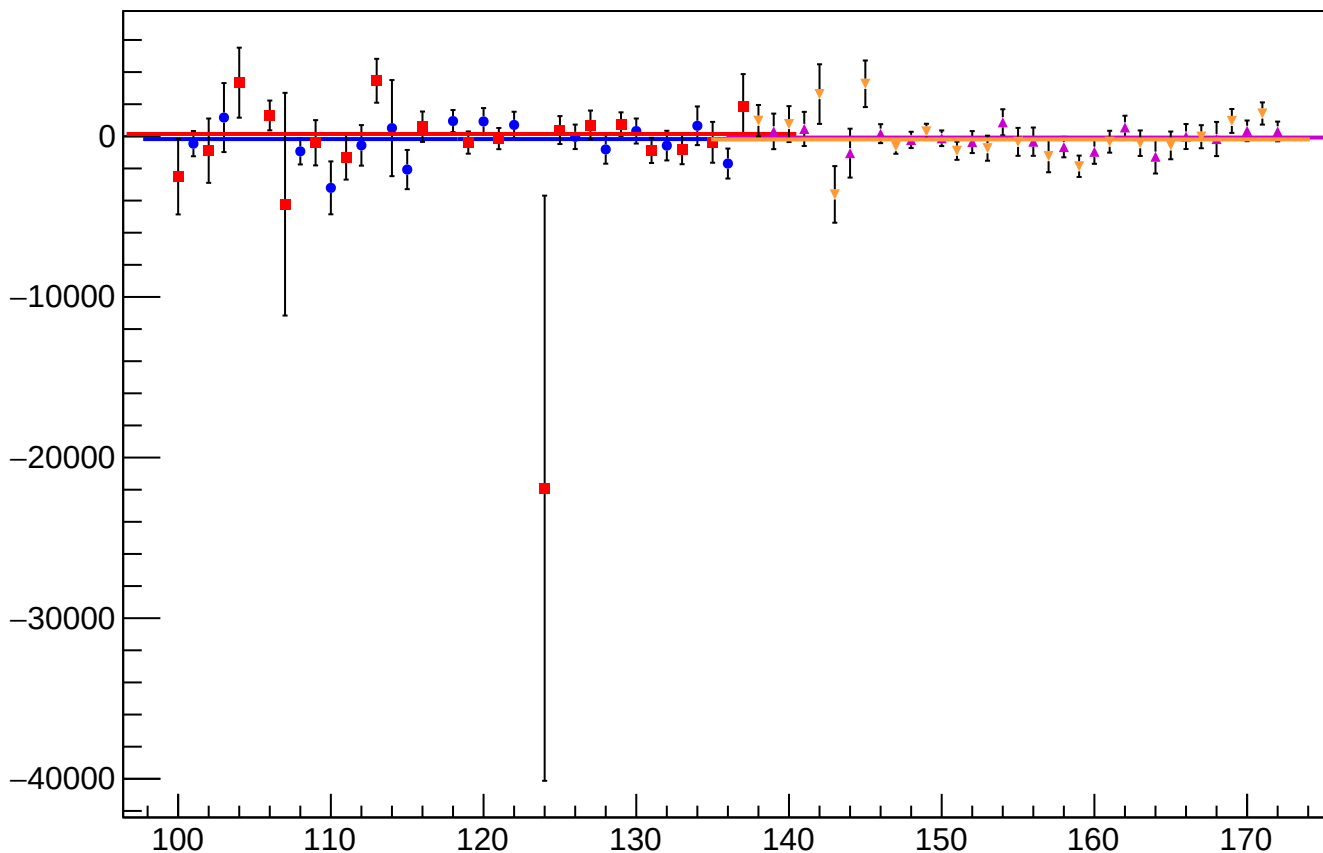
Left In: 1815.647+/-0.343 χ^2/NDF : 1841.0/16

+ sign 1825.446+/-0.281 χ^2/NDF : 896856.4/33

All: 1843.578+/-0.201 χ^2/NDF : 1313872.0/69

- sign 1862.367+/-0.286 χ^2/NDF : 408556.1/35

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

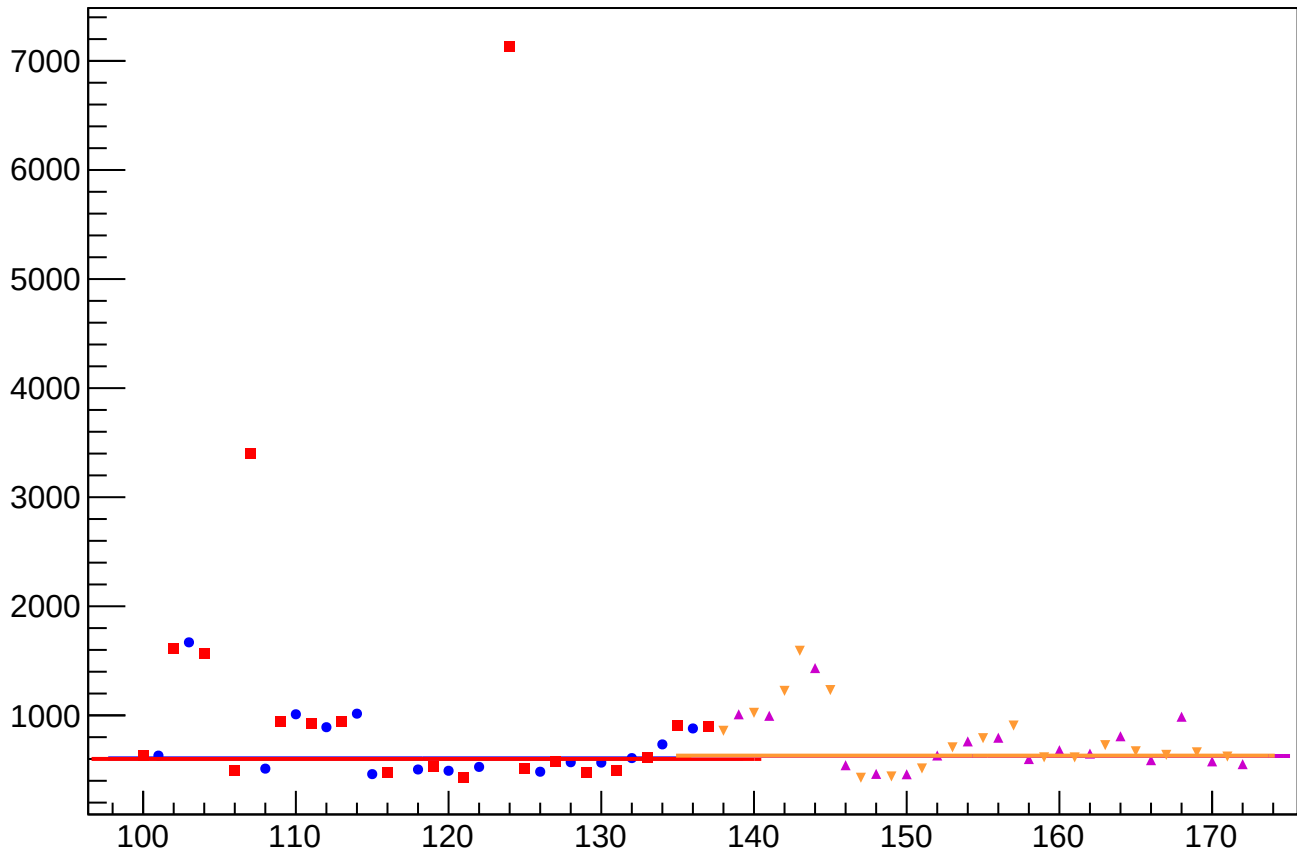
Left In: -76.942 ± 174.854 χ^2/NDF : 7.8/16

+ sign -184.471 ± 141.607 χ^2/NDF : 50.7/33

All: -92.583 ± 100.234 χ^2/NDF : 80.0/69

- sign -0.317 ± 141.899 χ^2/NDF : 28.4/35

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

+ sign 621.603+/-0.100 χ^2/NDF : 3723455.7/33

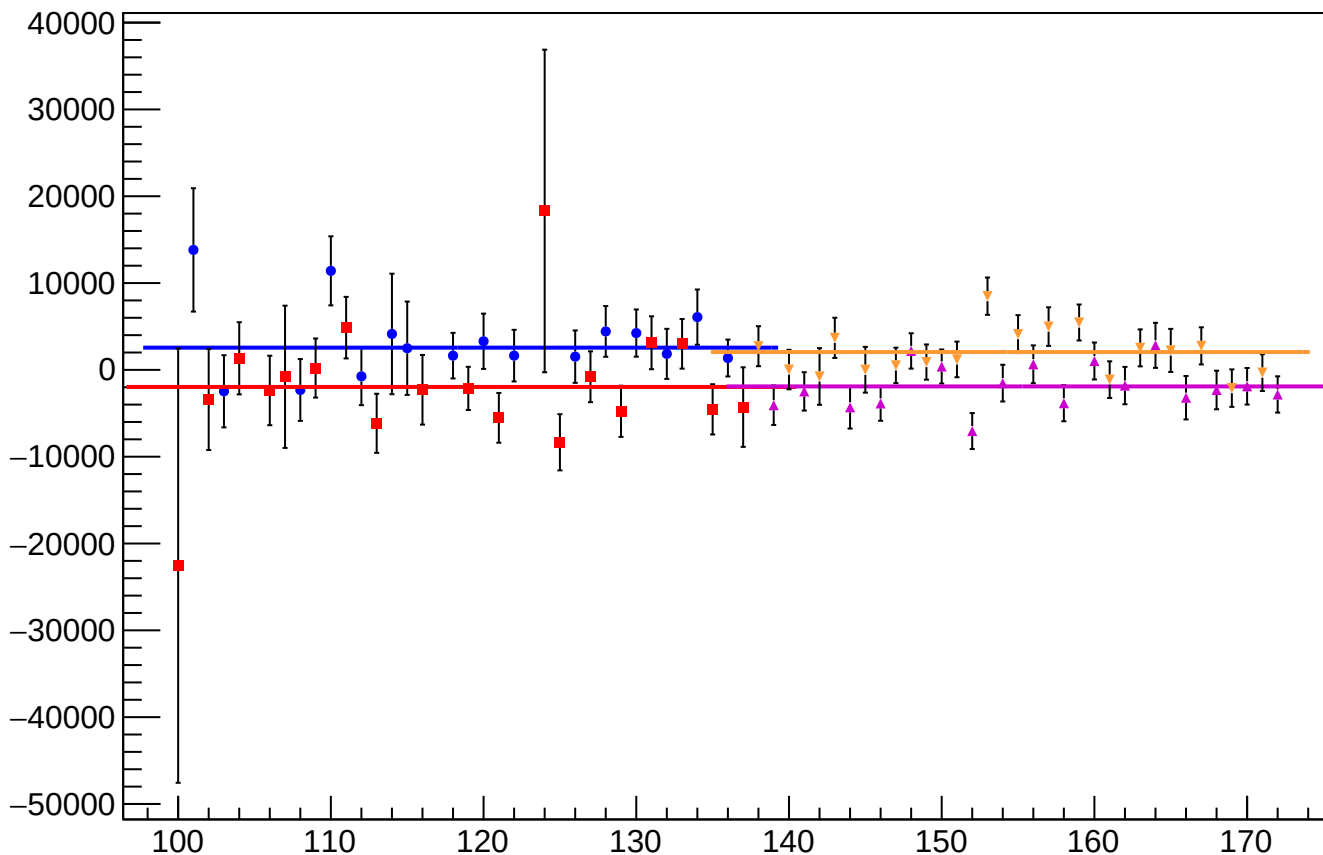
Right Out: 600.446+/-0.172 χ^2/NDF : 2328531.9/18

All: 619.899+/-0.071 χ^2/NDF : 8072913.2/69

Left In: 627.387+/-0.124 χ^2/NDF : 2004135.4/16

- sign 618.188+/-0.100 χ^2/NDF : 4348877.3/35

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

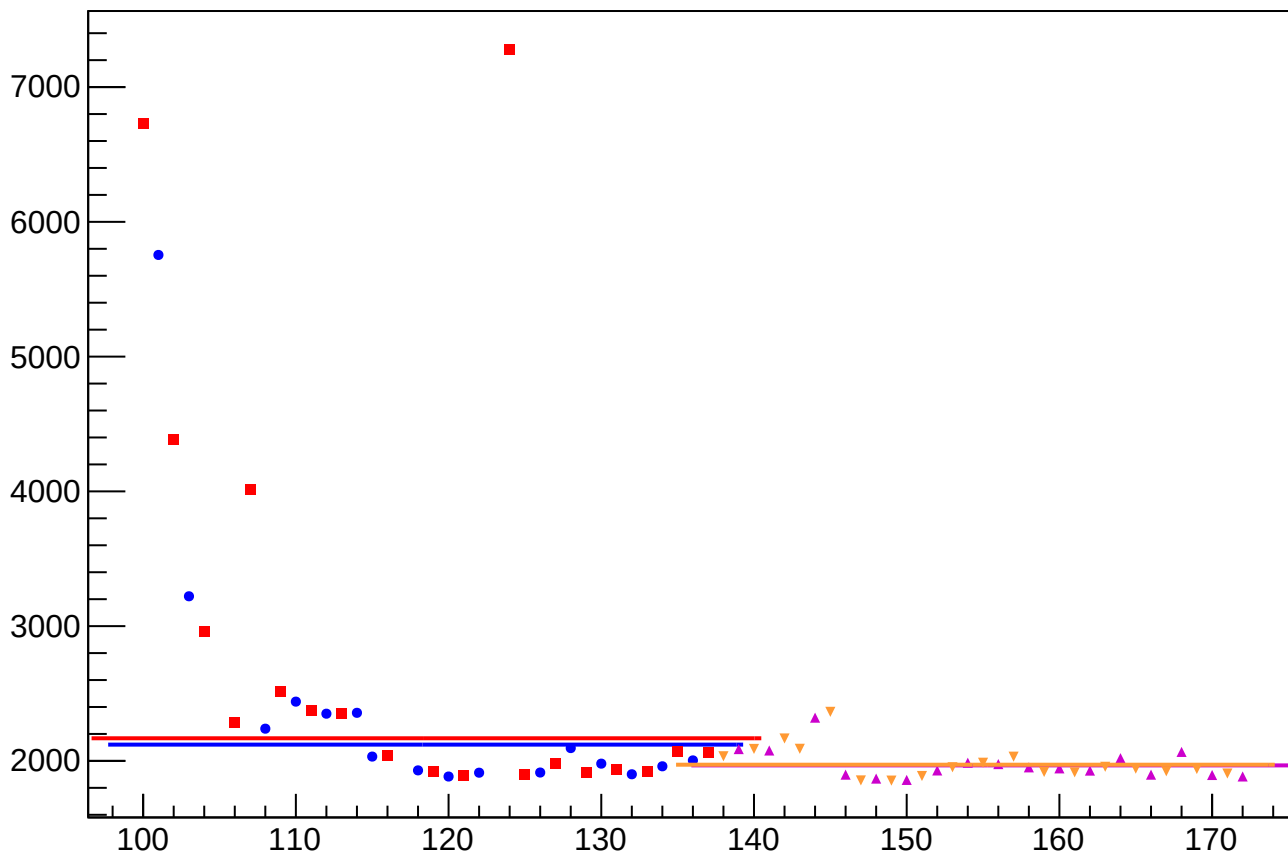
Left In: -1905.393 ± 525.864 χ^2/NDF : 22.4/16

+ sign 2204.579 ± 439.455 χ^2/NDF : 40.4/33

All: 154.780 ± 311.804 χ^2/NDF : 128.2/69

- sign -1923.304 ± 442.476 χ^2/NDF : 44.0/35

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

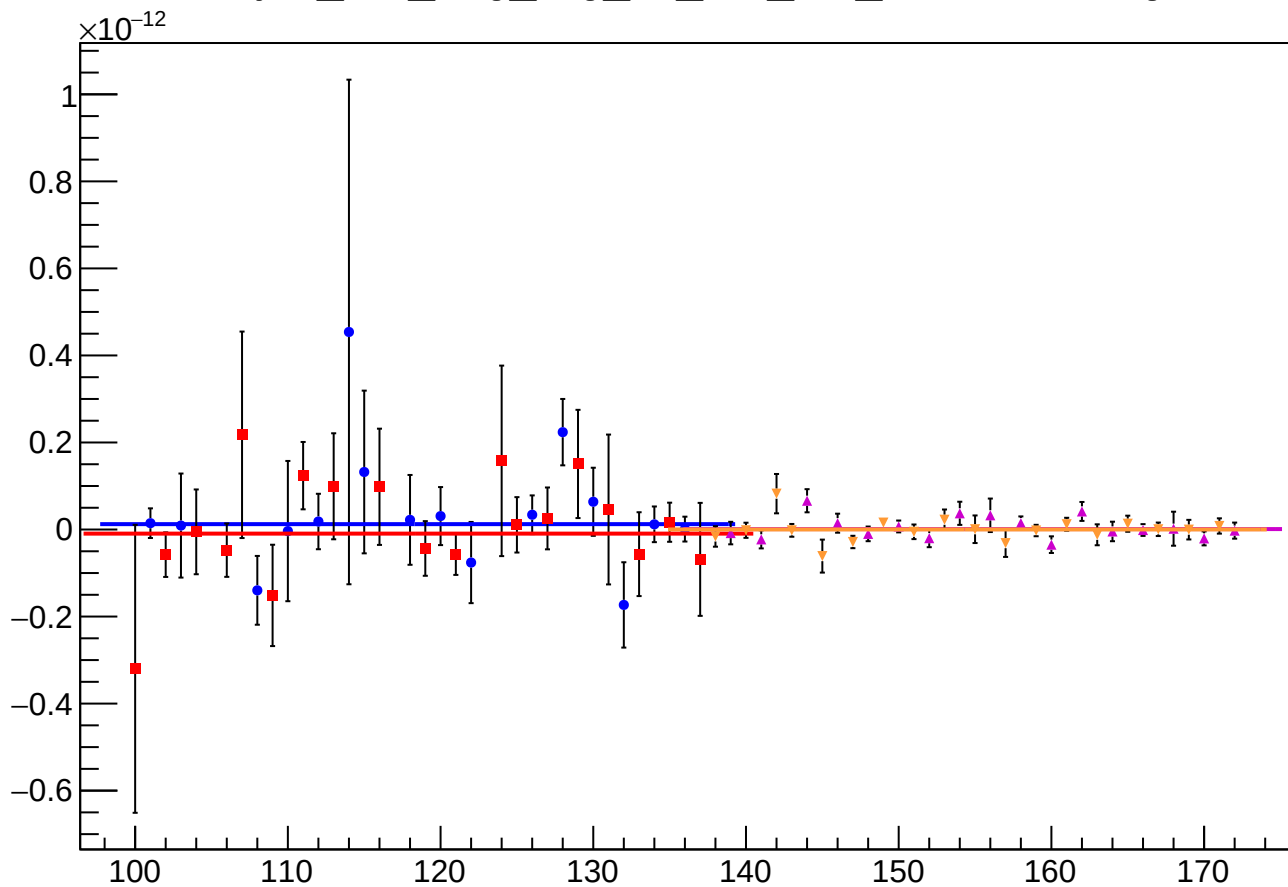
Left In: 1966.621+/-0.372 χ^2/NDF : 79146.2/16

+ sign 2015.604+/-0.311 χ^2/NDF : 896043.0/33

All: 2020.457+/-0.220 χ^2/NDF : 1885113.8/69

- sign 2025.377+/-0.313 χ^2/NDF : 988579.6/35

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

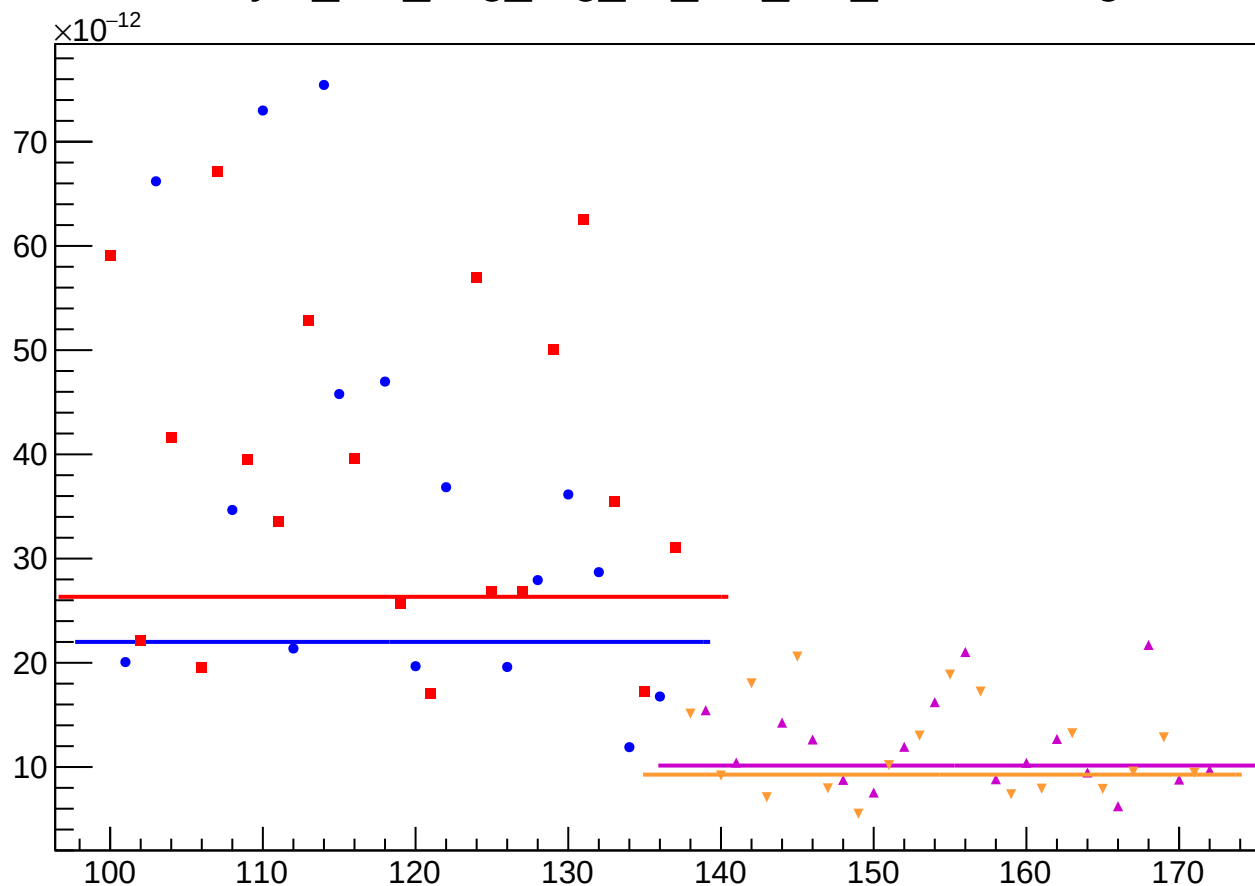
Left In: 0.000 ± 0.000 χ^2/NDF : 21.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 34.4/33

All: 0.000 ± 0.000 χ^2/NDF : 70.2/69

- sign 0.000 ± 0.000 χ^2/NDF : 35.7/35

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

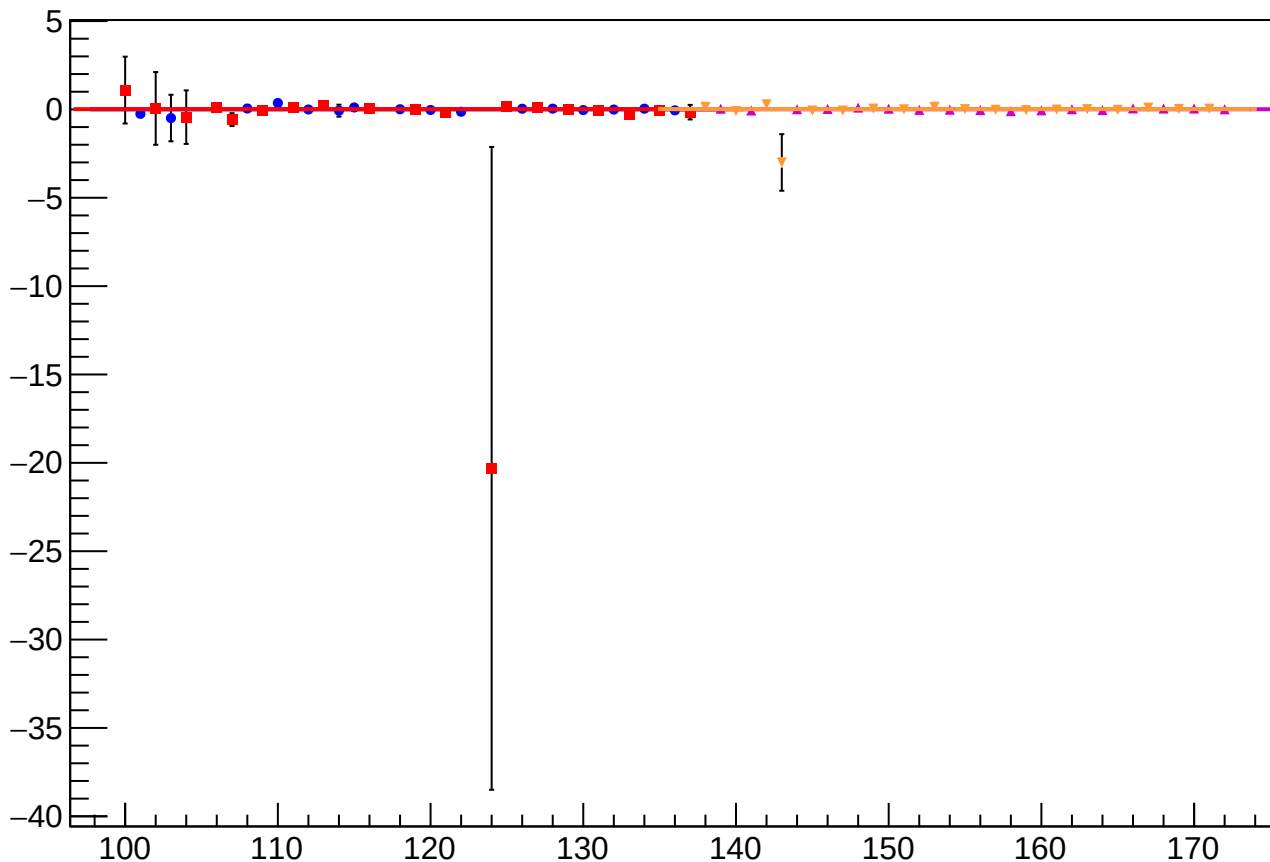
Left In: 0.000+/-0.000 χ^2/NDF : 926280.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 3599353.2/33

All: 0.000+/-0.000 χ^2/NDF : 6784803.5/69

- sign 0.000+/-0.000 χ^2/NDF : 3139820.0/35

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.018 $\pm$ 0.014 χ^2 /NDF:24.5/17

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

Left In: 0.008 $\pm$ 0.014 χ^2 /NDF:14.4/16

+ sign 0.015 $\pm$ 0.012 χ^2 /NDF: 36.1/33

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 68.2/69

- sign 0.009 $\pm$ 0.012 χ^2 /NDF: 32.0/35

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.840 $\pm$ 0.019 χ^2 /NDF: 2538867.4/15

Left Out: 46.028 $\pm$ 0.010 χ^2 /NDF: 2988247.8/17

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

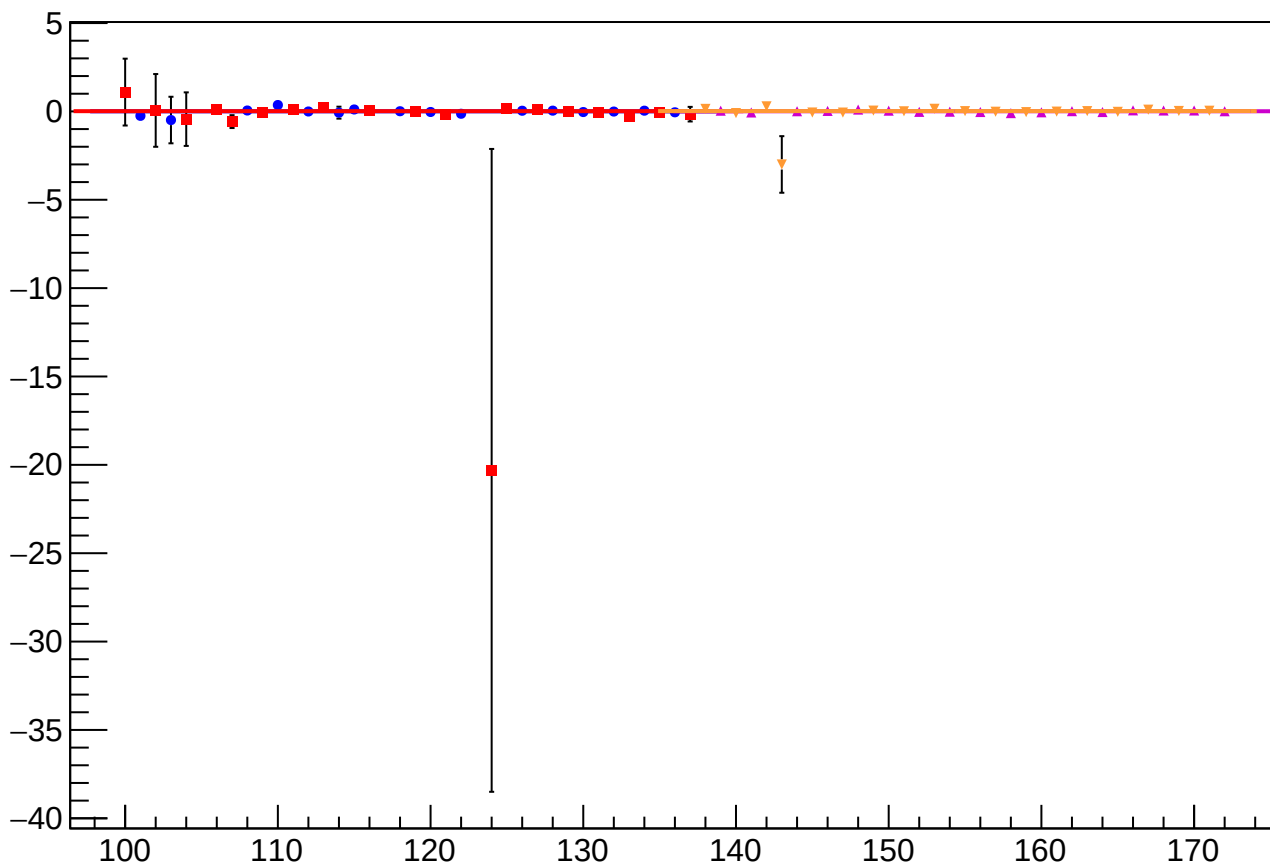
Left In: 45.531 $\pm$ 0.010 χ^2 /NDF: 1682050.9/16

+ sign 49.037 $\pm$ 0.009 χ^2 /NDF: 5945174.8/33

All: 48.221 $\pm$ 0.006 χ^2 /NDF: 11343316.5/69

- sign 47.452 $\pm$ 0.009 χ^2 /NDF: 5381524.0/35

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.018 $\pm$ 0.014 χ^2 /NDF:24.5/17

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

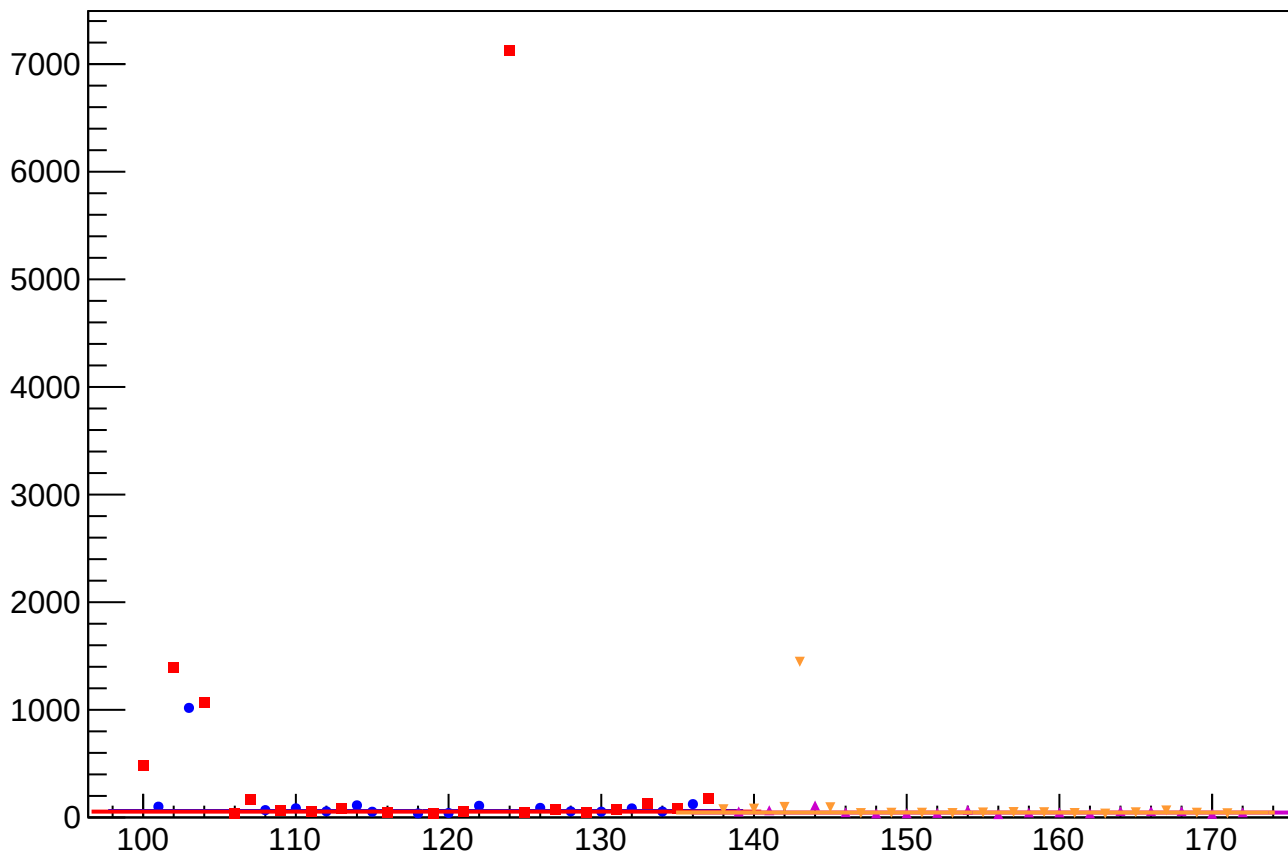
Left In: 0.008 $\pm$ 0.014 χ^2 /NDF:14.4/16

+ sign 0.015 $\pm$ 0.012 χ^2 /NDF: 36.1/33

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 68.2/69

- sign 0.009 $\pm$ 0.012 χ^2 /NDF: 32.0/35

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.840 $\pm$ 0.019 χ^2 /NDF: 2538867.4/15

Left Out: 46.028 $\pm$ 0.010 χ^2 /NDF: 2988247.8/17

Right Out: 54.249 $\pm$ 0.018 χ^2 /NDF: 3521580.5/18

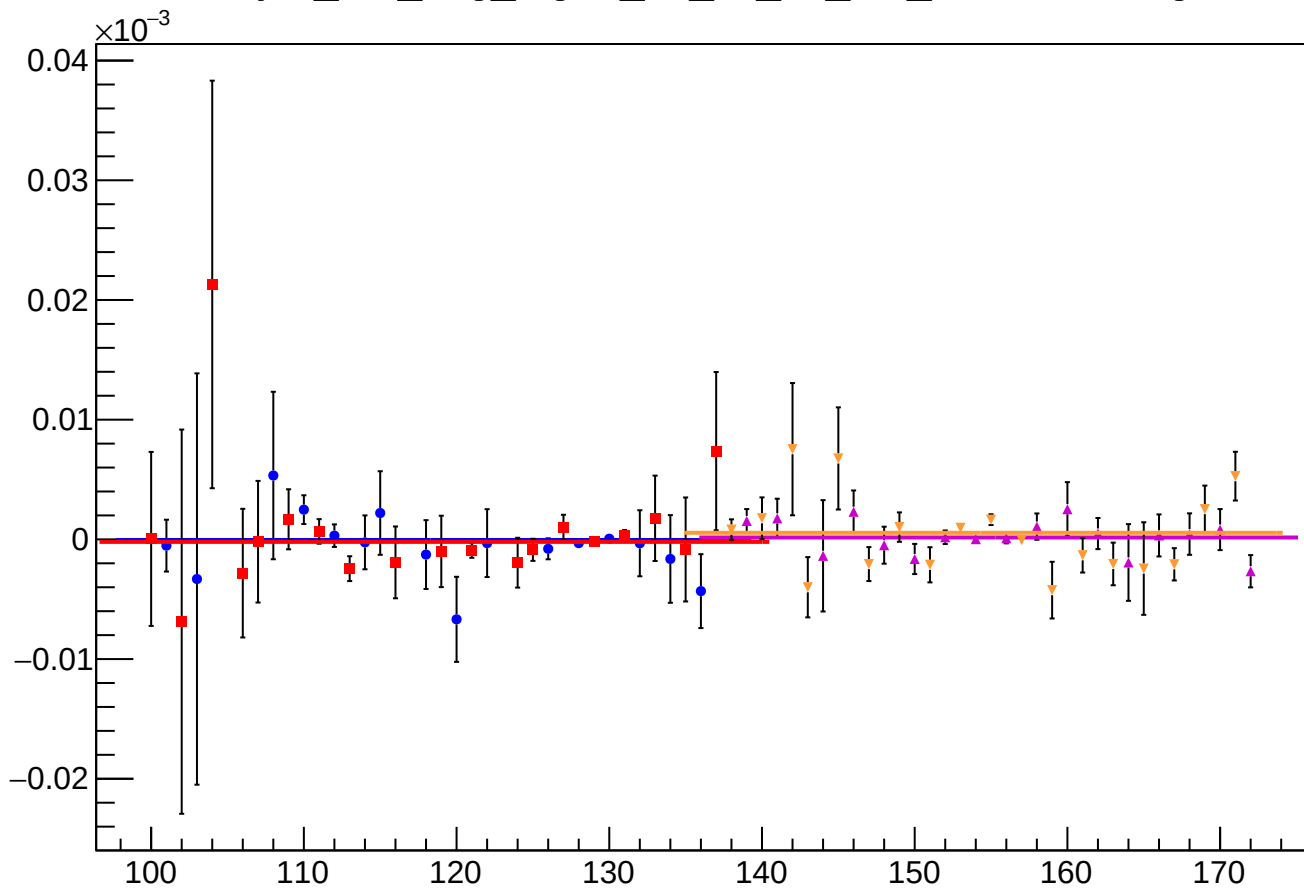
Left In: 45.531 $\pm$ 0.010 χ^2 /NDF: 1682050.9/16

+ sign 49.037 $\pm$ 0.009 χ^2 /NDF: 5945174.8/33

All: 48.221 $\pm$ 0.006 χ^2 /NDF: 11343316.5/69

- sign 47.452 $\pm$ 0.009 χ^2 /NDF: 5381524.0/35

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 42.6/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.6/18

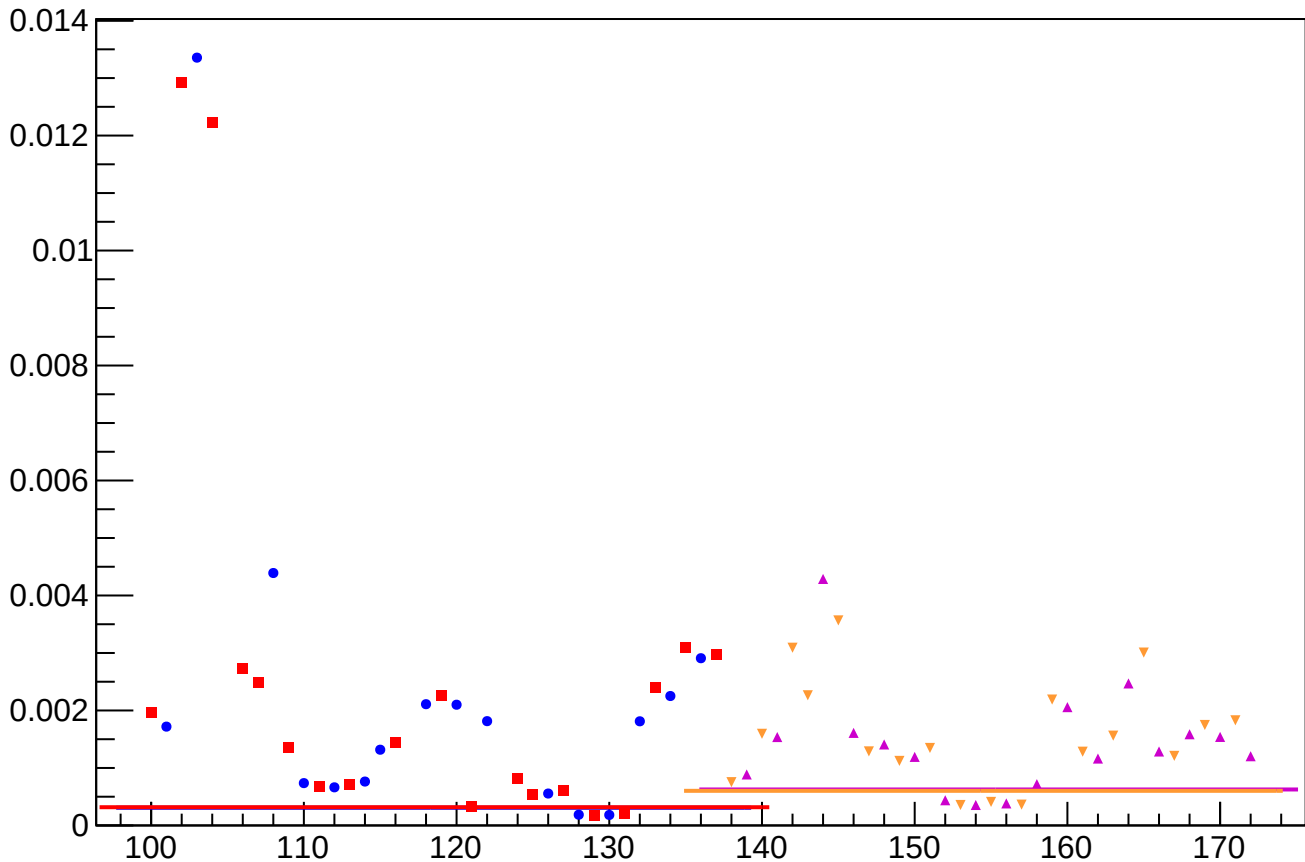
Left In: 0.000 ± 0.000 χ^2/NDF : 13.6/16

+ sign 0.000 ± 0.000 χ^2/NDF : 59.9/33

All: 0.000 ± 0.000 χ^2/NDF : 92.7/69

- sign -0.000 ± 0.000 χ^2/NDF : 30.9/35

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

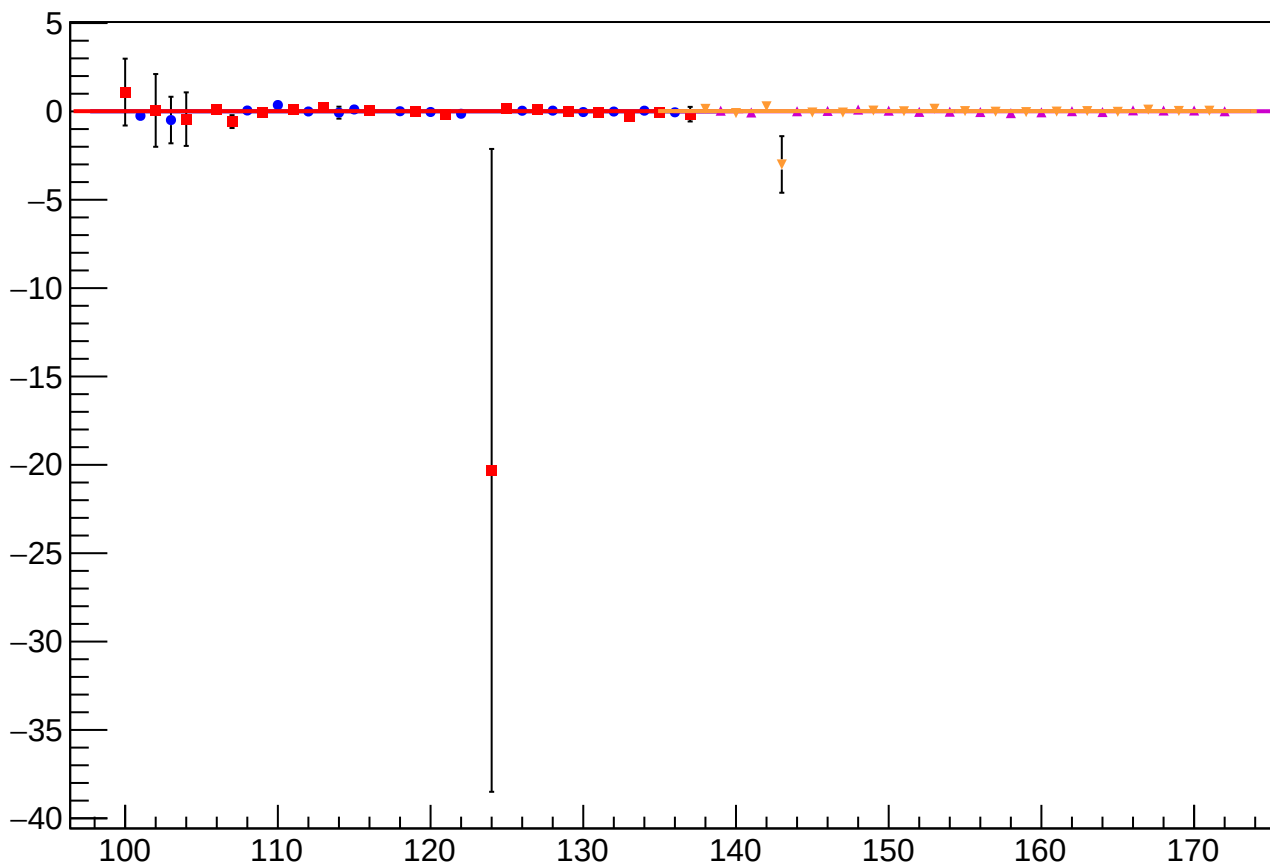
Left In: 0.001+/-0.000 χ^2/NDF : 9060085.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 21600500.4/33

All: 0.000+/-0.000 χ^2/NDF : 40963217.5/69

- sign 0.000+/-0.000 χ^2/NDF : 19358654.7/35

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.018 $\pm$ 0.014 χ^2 /NDF: 24.5/17

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

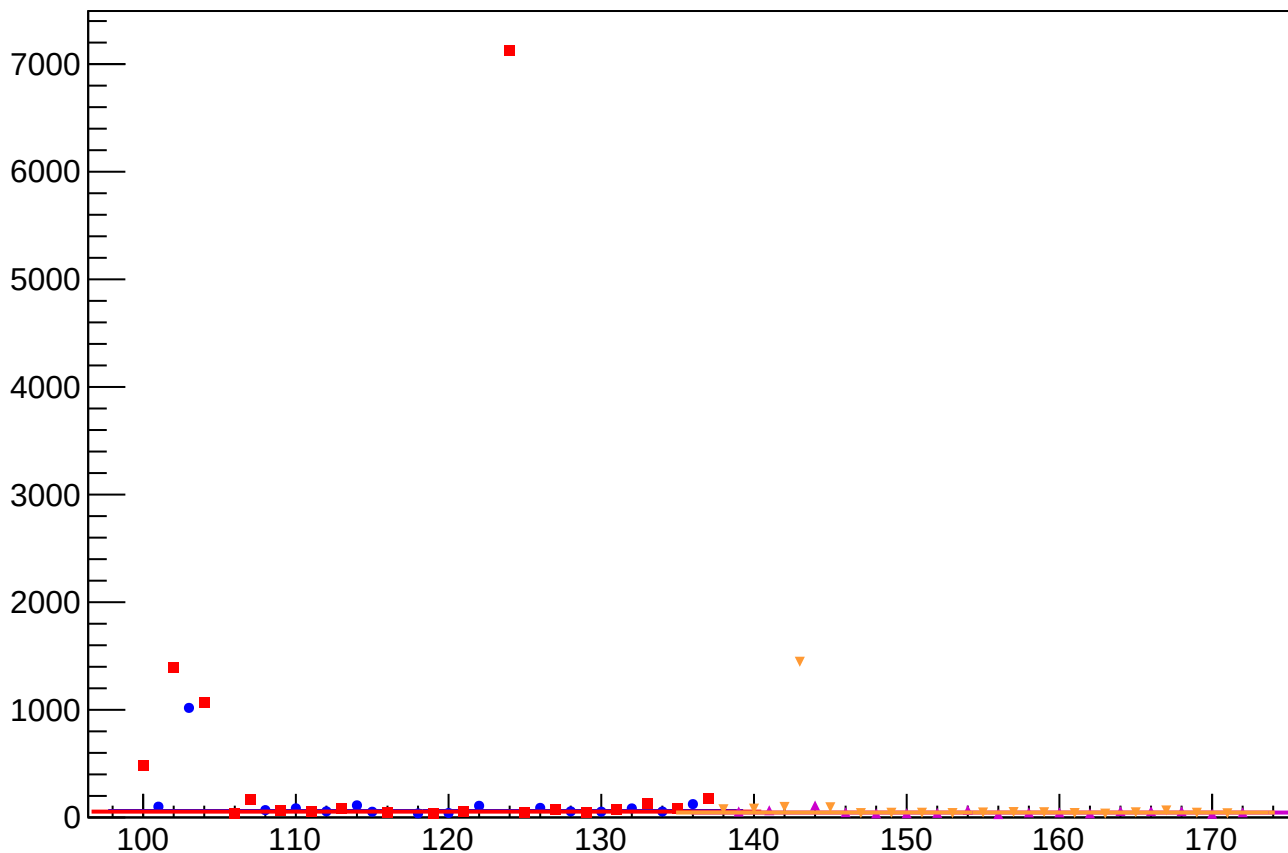
Left In: 0.008 $\pm$ 0.014 χ^2 /NDF: 14.4/16

+ sign 0.015 $\pm$ 0.012 χ^2 /NDF: 36.1/33

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 68.2/69

- sign 0.009 $\pm$ 0.012 χ^2 /NDF: 32.0/35

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.839 $\pm$ 0.019 χ^2 /NDF: 2538881.2/15

Left Out: 46.028 $\pm$ 0.010 χ^2 /NDF: 2988231.4/17

Right Out: 54.248 $\pm$ 0.018 χ^2 /NDF: 3521640.4/18

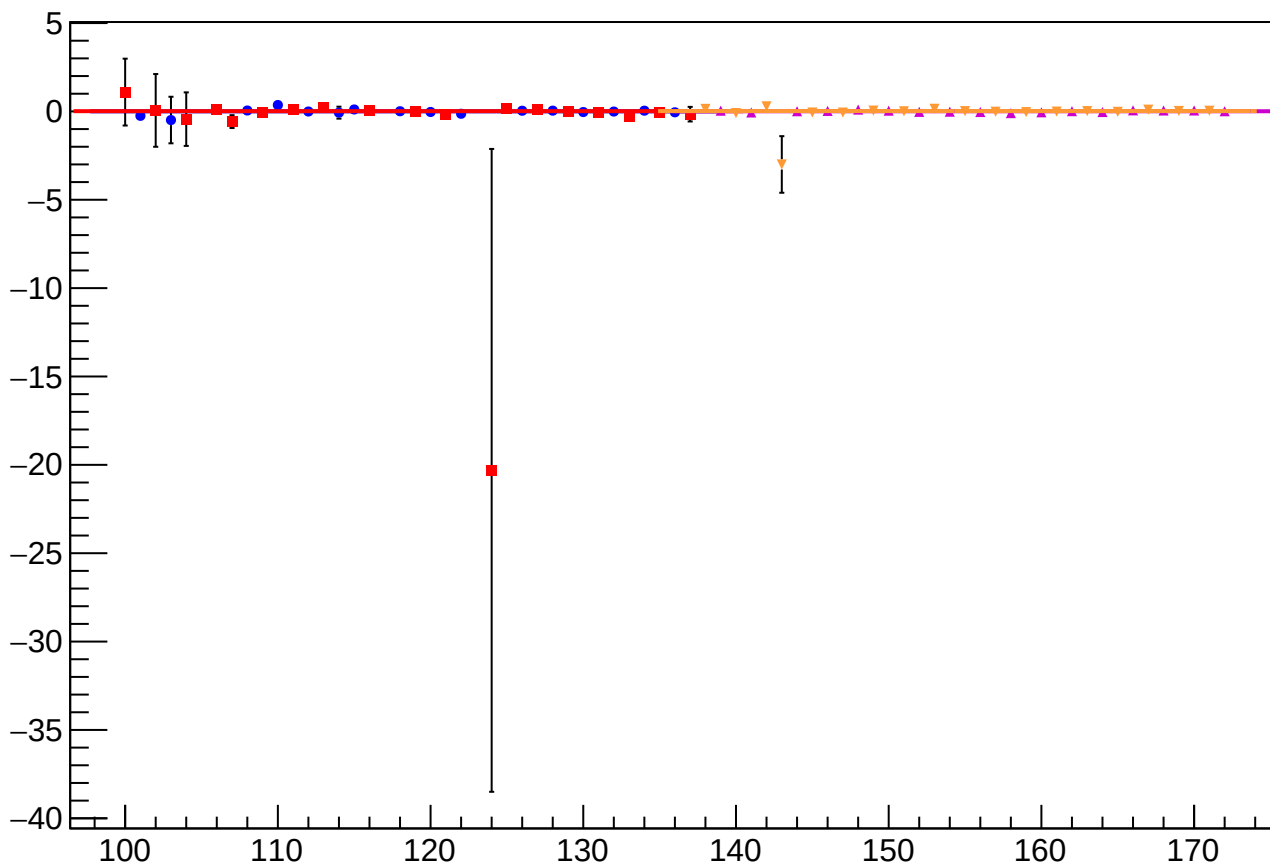
Left In: 45.531 $\pm$ 0.010 χ^2 /NDF: 1682053.5/16

+ sign 49.037 $\pm$ 0.009 χ^2 /NDF: 5945145.4/33

All: 48.221 $\pm$ 0.006 χ^2 /NDF: 11343318.3/69

- sign 47.452 $\pm$ 0.009 χ^2 /NDF: 5381547.3/35

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.027 χ^2 /NDF: 11.4/15

Left Out: 0.018 $\pm$ 0.014 χ^2 /NDF:24.5/17

Right Out: 0.013 $\pm$ 0.026 χ^2 /NDF: 17.6/18

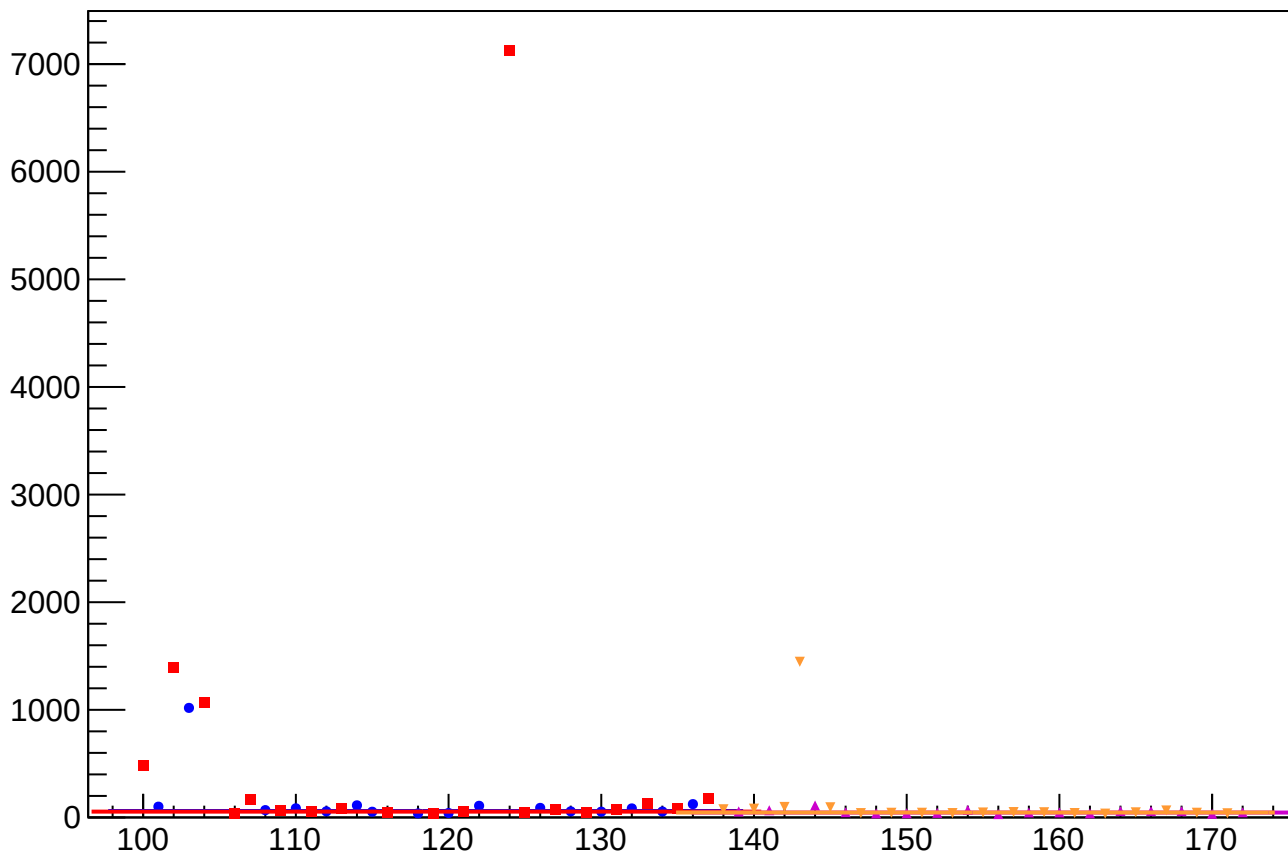
Left In: 0.008 $\pm$ 0.014 χ^2 /NDF:14.4/16

+ sign 0.015 $\pm$ 0.012 χ^2 /NDF: 36.1/33

All: 0.012 $\pm$ 0.009 χ^2 /NDF: 68.2/69

- sign 0.009 $\pm$ 0.012 χ^2 /NDF: 32.0/35

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.839 $\pm$ 0.019 χ^2 /NDF: 2538881.2/15

Left Out: 46.028 $\pm$ 0.010 χ^2 /NDF: 2988231.4/17

Right Out: 54.248 $\pm$ 0.018 χ^2 /NDF: 3521640.4/18

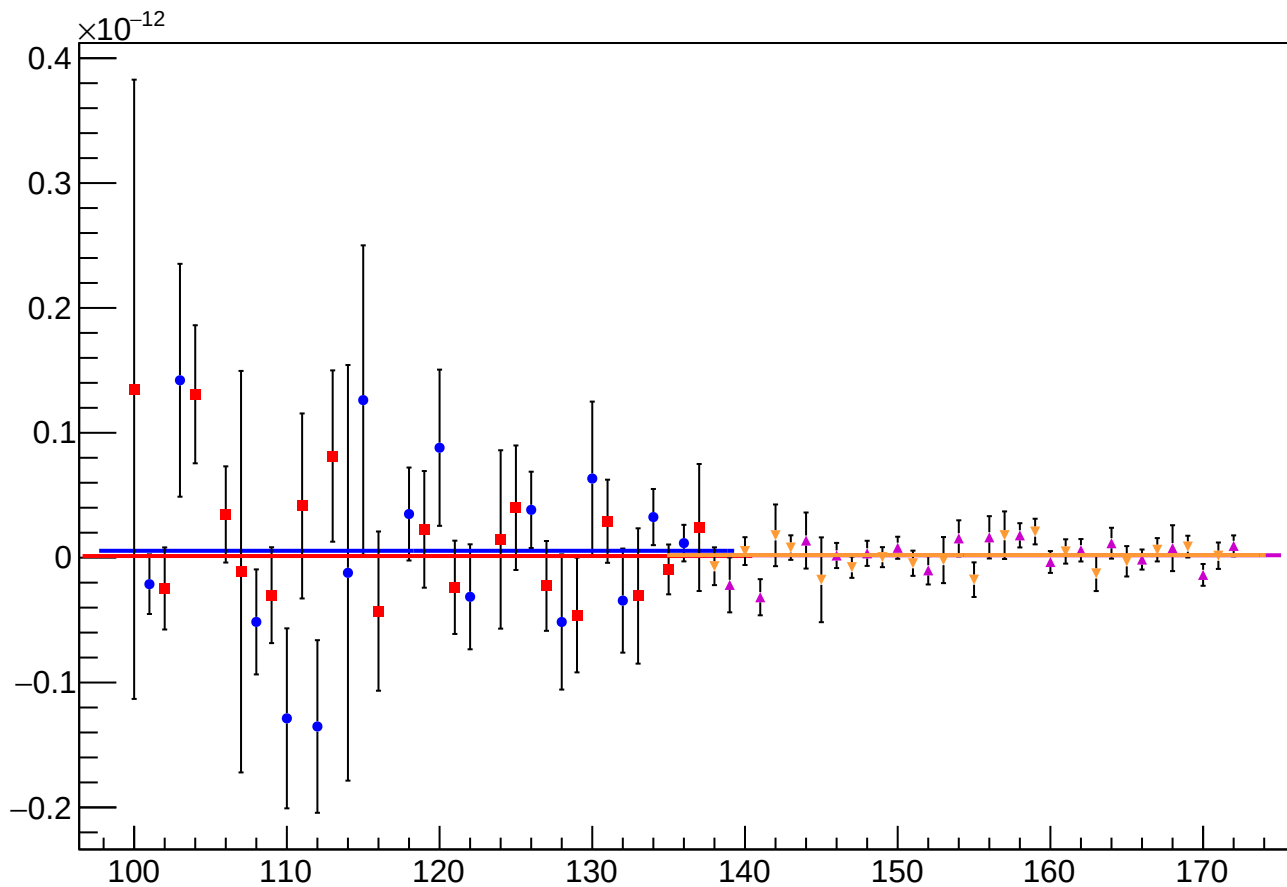
Left In: 45.531 $\pm$ 0.010 χ^2 /NDF: 1682053.5/16

+ sign 49.037 $\pm$ 0.009 χ^2 /NDF: 5945145.4/33

All: 48.221 $\pm$ 0.006 χ^2 /NDF: 11343318.3/69

- sign 47.452 $\pm$ 0.009 χ^2 /NDF: 5381547.3/35

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 22.6/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 11.6/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 14.3/18$

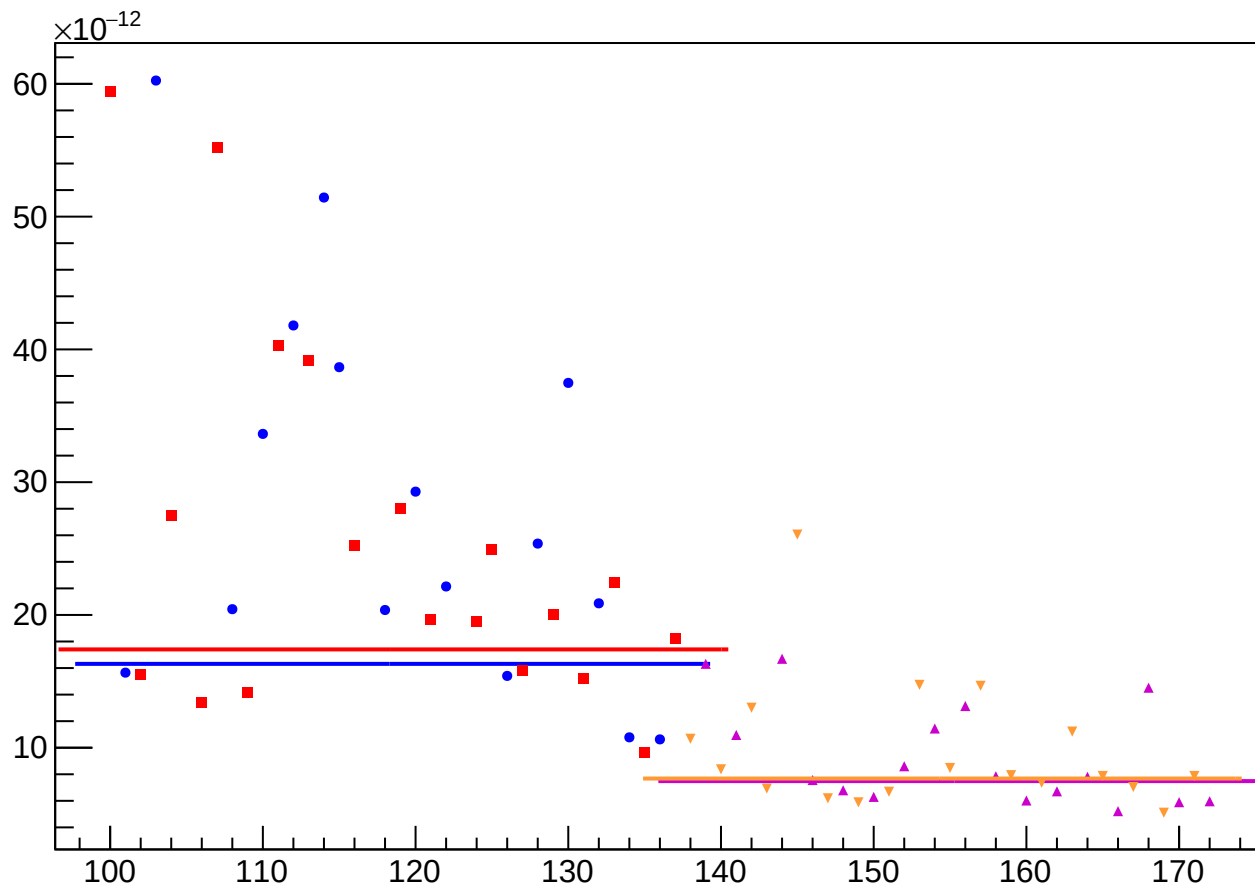
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 18.3/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 34.4/33$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 66.9/69$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 32.6/35$

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1839399.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1197059.5/18

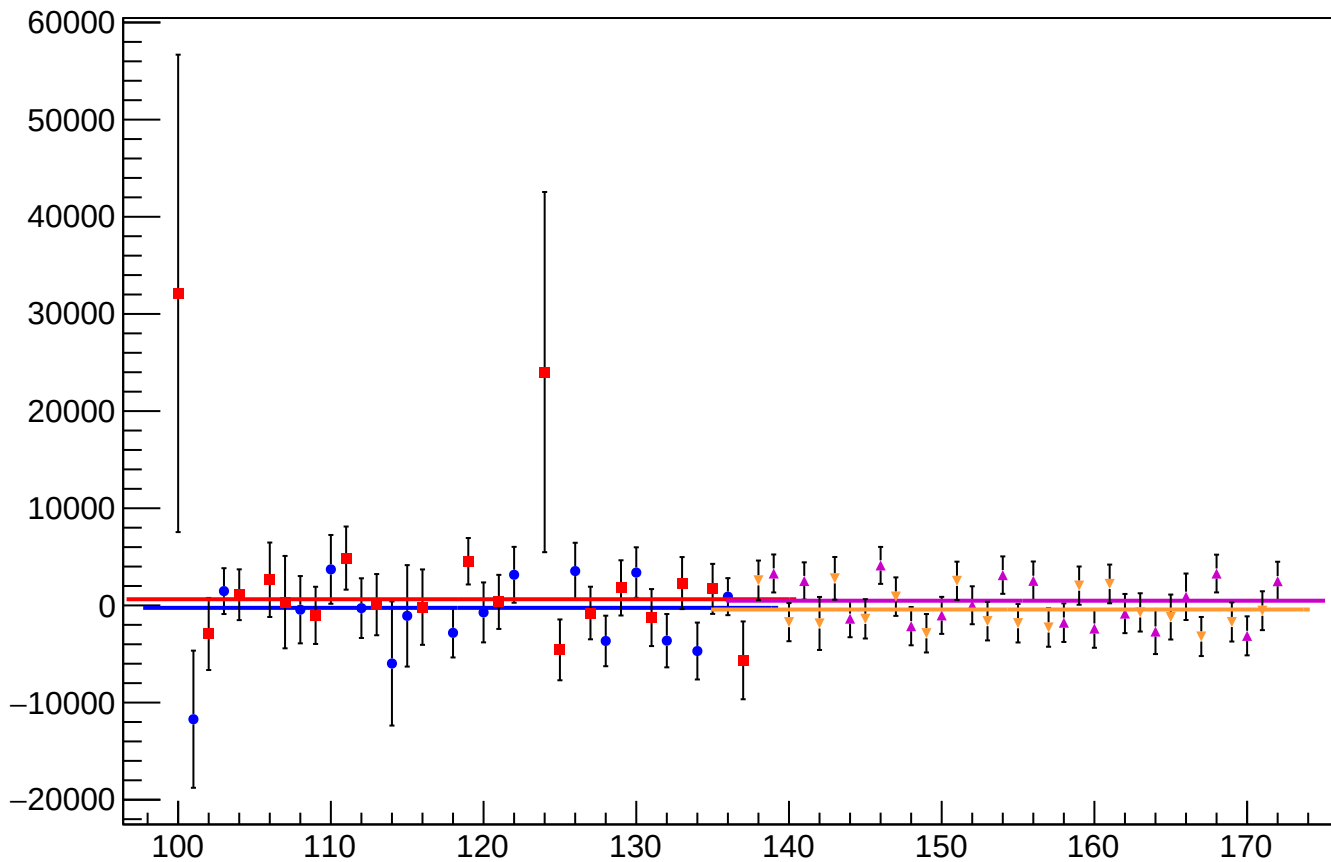
Left In: 0.000+/-0.000 χ^2/NDF : 1870586.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 5556535.6/33

All: 0.000+/-0.000 χ^2/NDF : 10556925.6/69

- sign 0.000+/-0.000 χ^2/NDF : 4988401.4/35

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

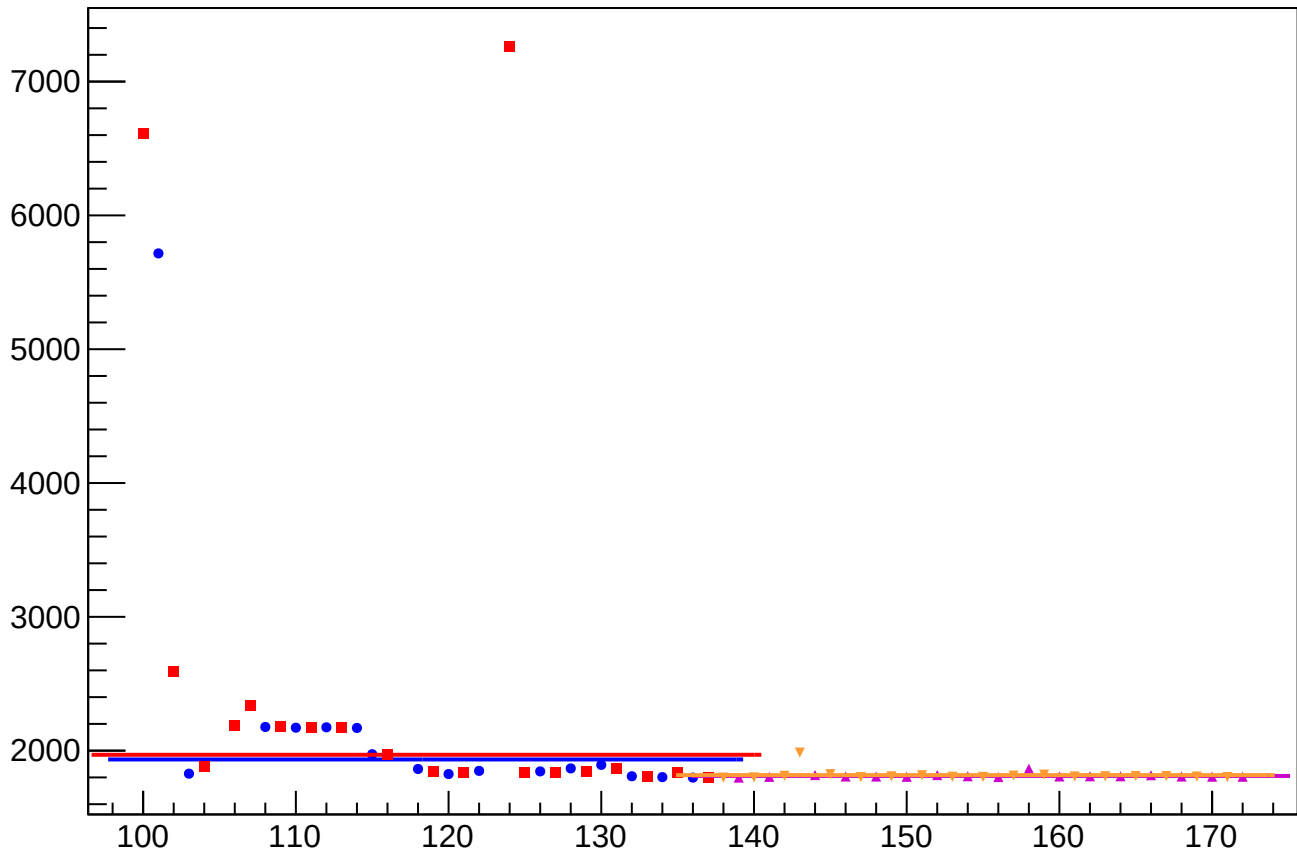
Left In: 483.887+/-483.457 χ^2/NDF : 25.2/16

+ sign -370.339+/-402.693 χ^2/NDF : 34.2/33

All: 78.285+/-285.205 χ^2/NDF : 77.9/69

- sign 529.807+/-403.992 χ^2/NDF : 41.1/35

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

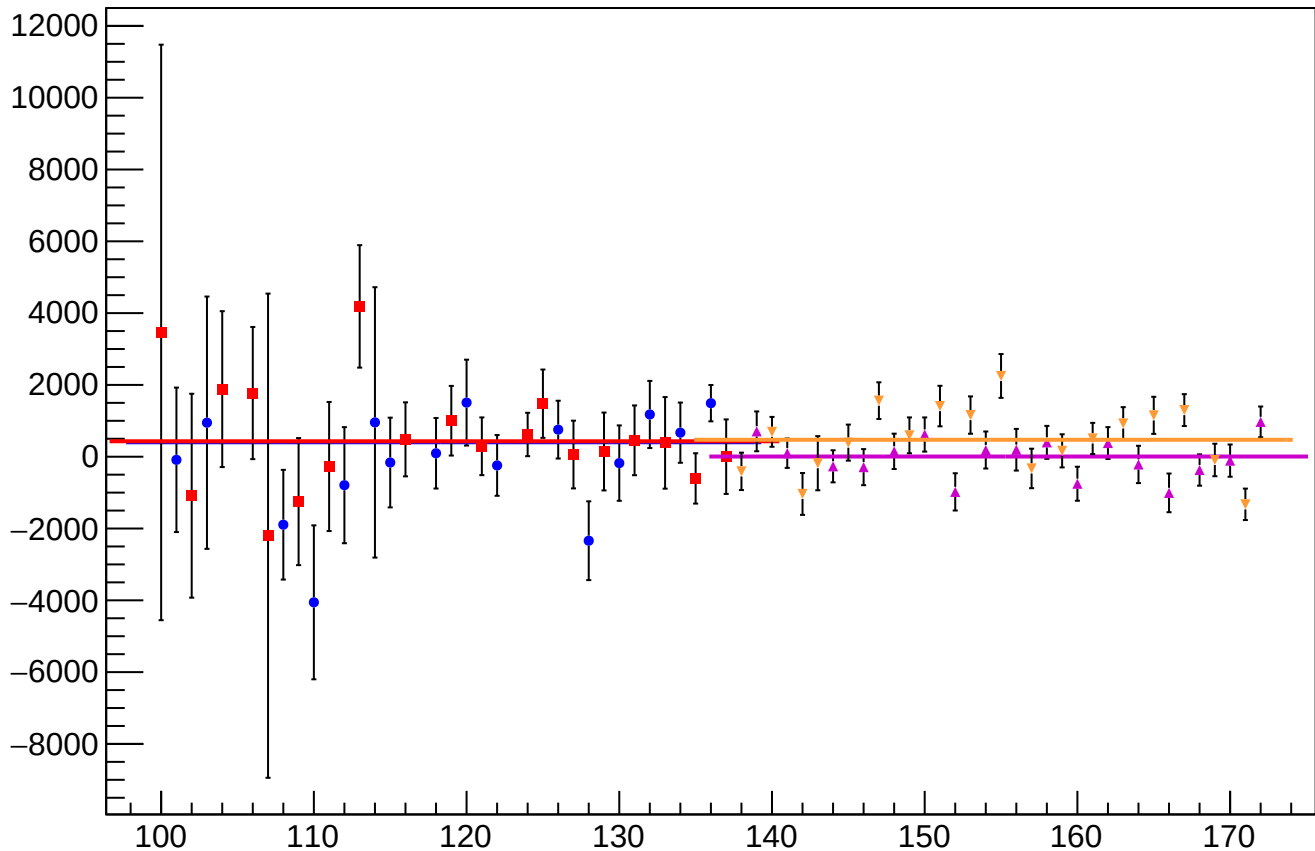
Left In: 1811.172+/-0.342 χ^2/NDF : 1789.4/16

+ sign 1852.373+/-0.285 χ^2/NDF : 688074.9/33

All: 1855.603+/-0.202 χ^2/NDF : 1132979.8/69

- sign 1858.854+/-0.286 χ^2/NDF : 444646.7/35

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

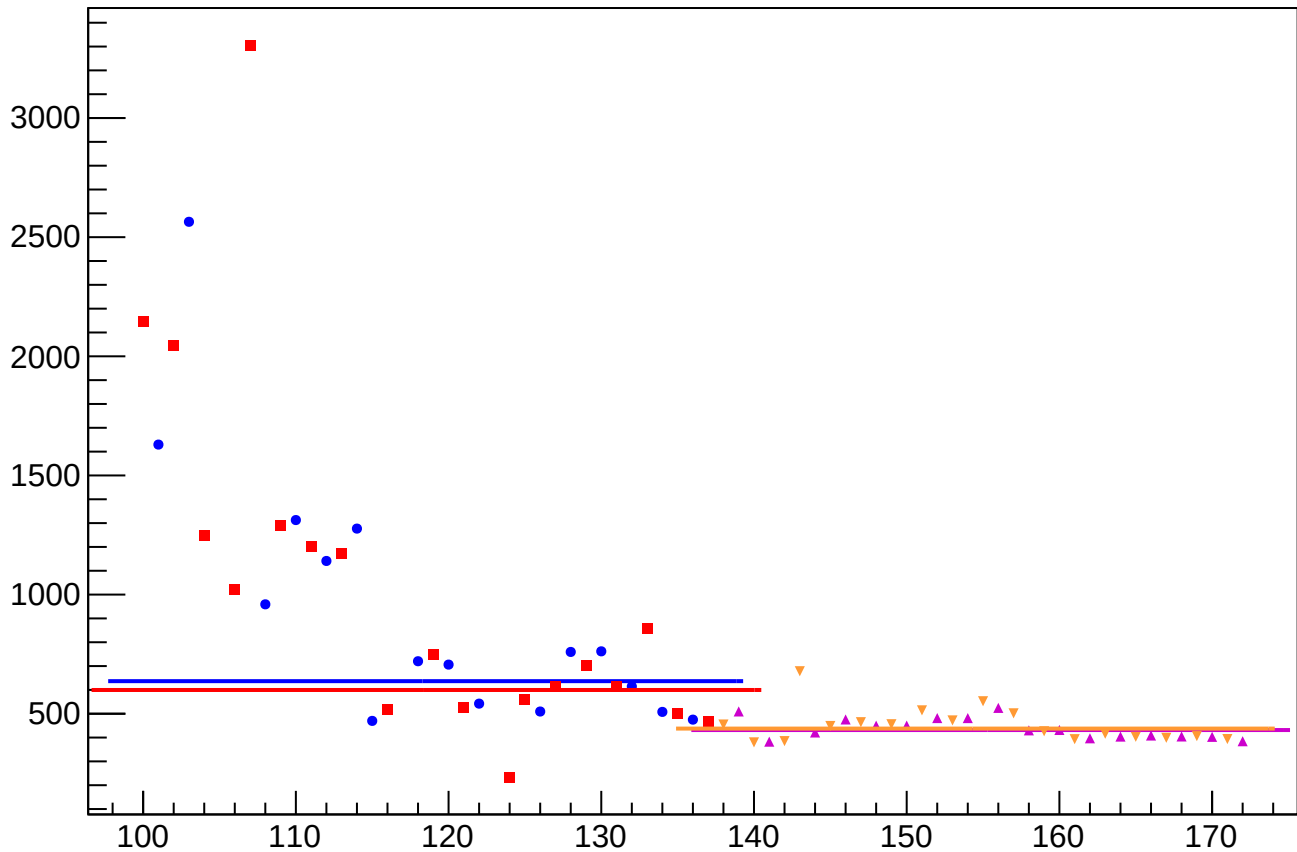
Left In: 5.407+/-116.048 χ^2/NDF : 21.6/16

+ sign 460.028+/-106.899 χ^2/NDF : 76.6/33

All: 267.103+/-75.078 χ^2/NDF : 118.6/69

- sign 79.308+/-105.468 χ^2/NDF : 35.6/35

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

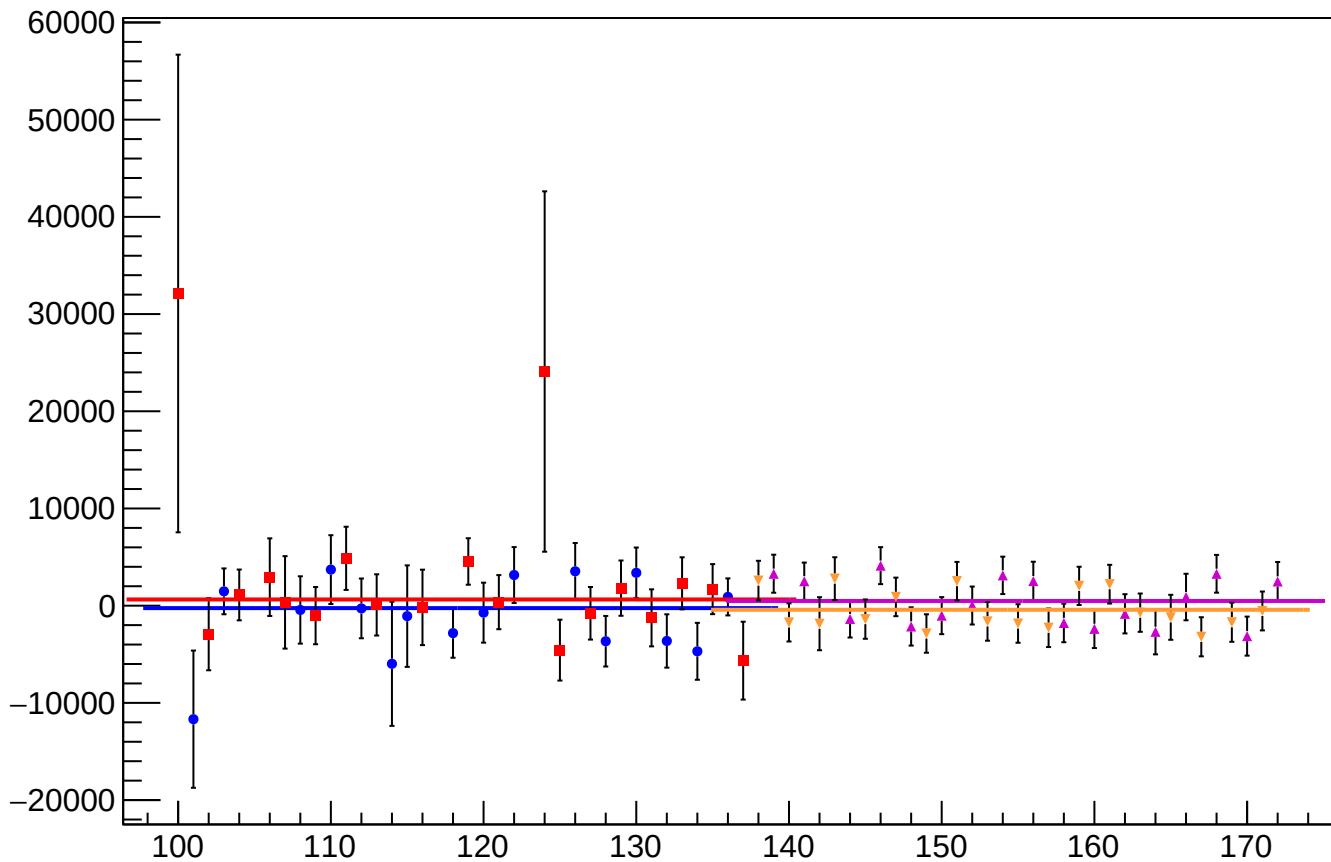
Left In: 431.513+/-0.082 χ^2/NDF : 240684.8/16

+ sign 471.659+/-0.076 χ^2/NDF : 3543502.7/33

All: 466.141+/-0.053 χ^2/NDF : 7469256.3/69

- sign 460.770+/-0.075 χ^2/NDF : 3915236.5/35

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

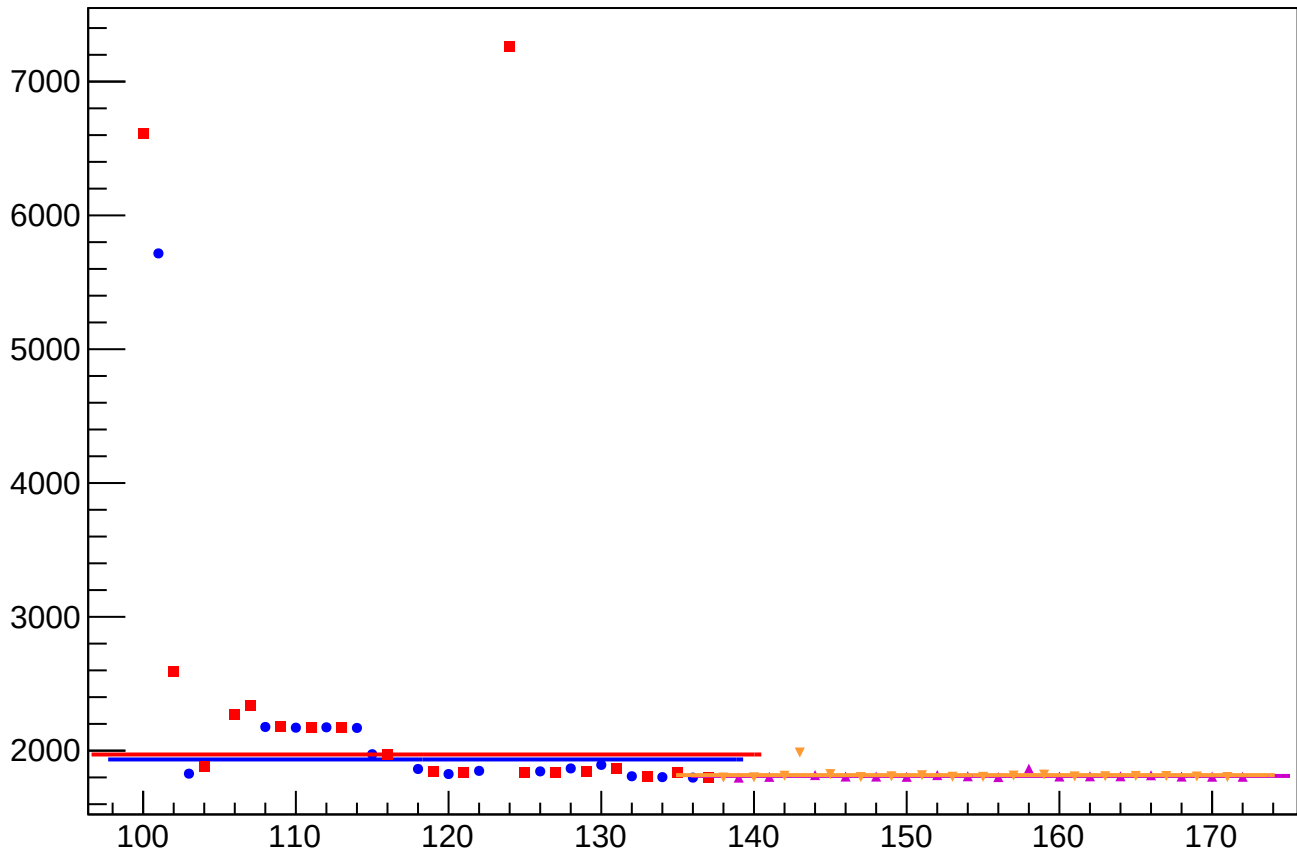
Left In: 483.907 ± 483.457 χ^2/NDF : 25.2/16

+ sign -370.103 ± 402.693 χ^2/NDF : 34.2/33

All: 78.884 ± 285.267 χ^2/NDF : 77.9/69

- sign 531.168 ± 404.169 χ^2/NDF : 41.2/35

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

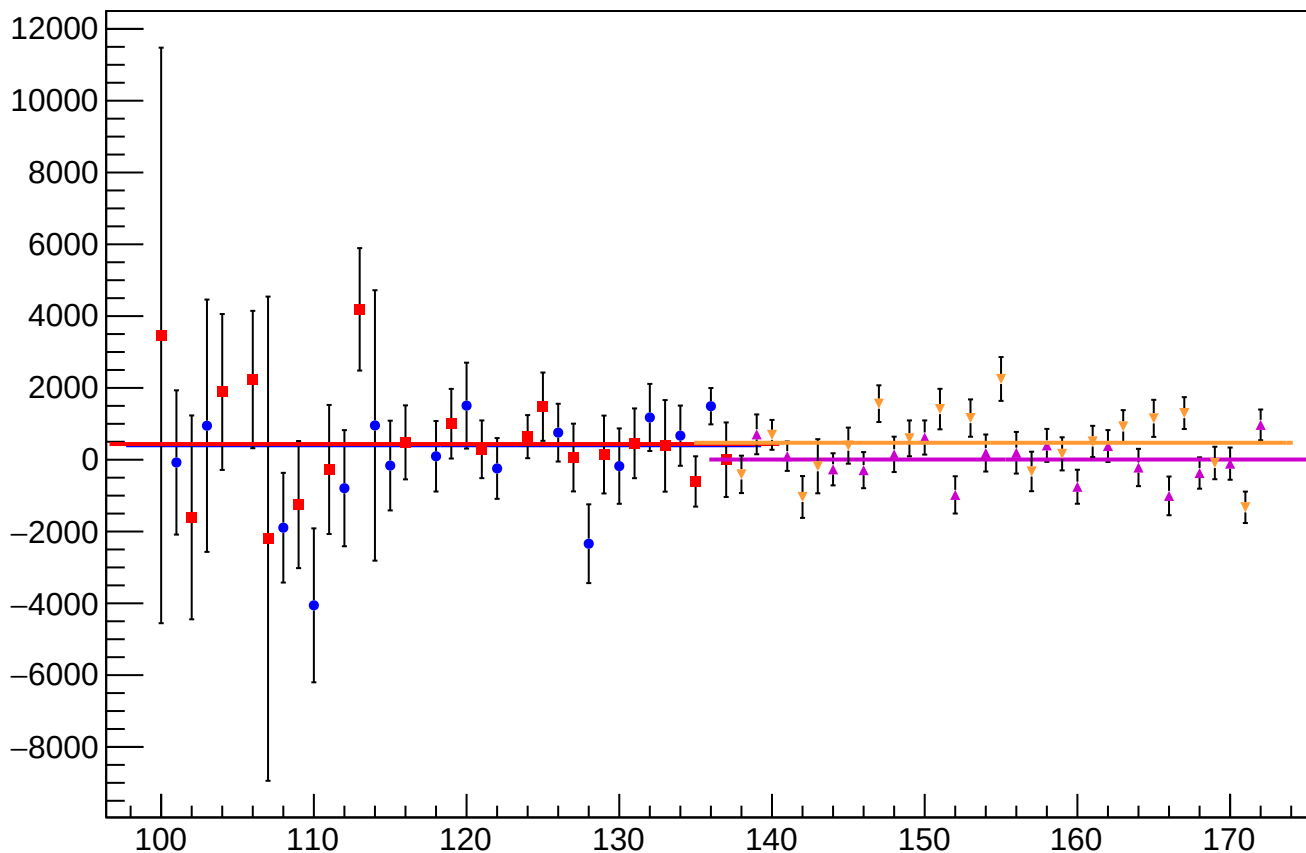
Left In: 1811.172+/-0.342 χ^2/NDF : 1789.4/16

+ sign 1852.373+/-0.285 χ^2/NDF : 688074.8/33

All: 1855.876+/-0.202 χ^2/NDF : 1139457.1/69

- sign 1859.405+/-0.286 χ^2/NDF : 451078.4/35

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

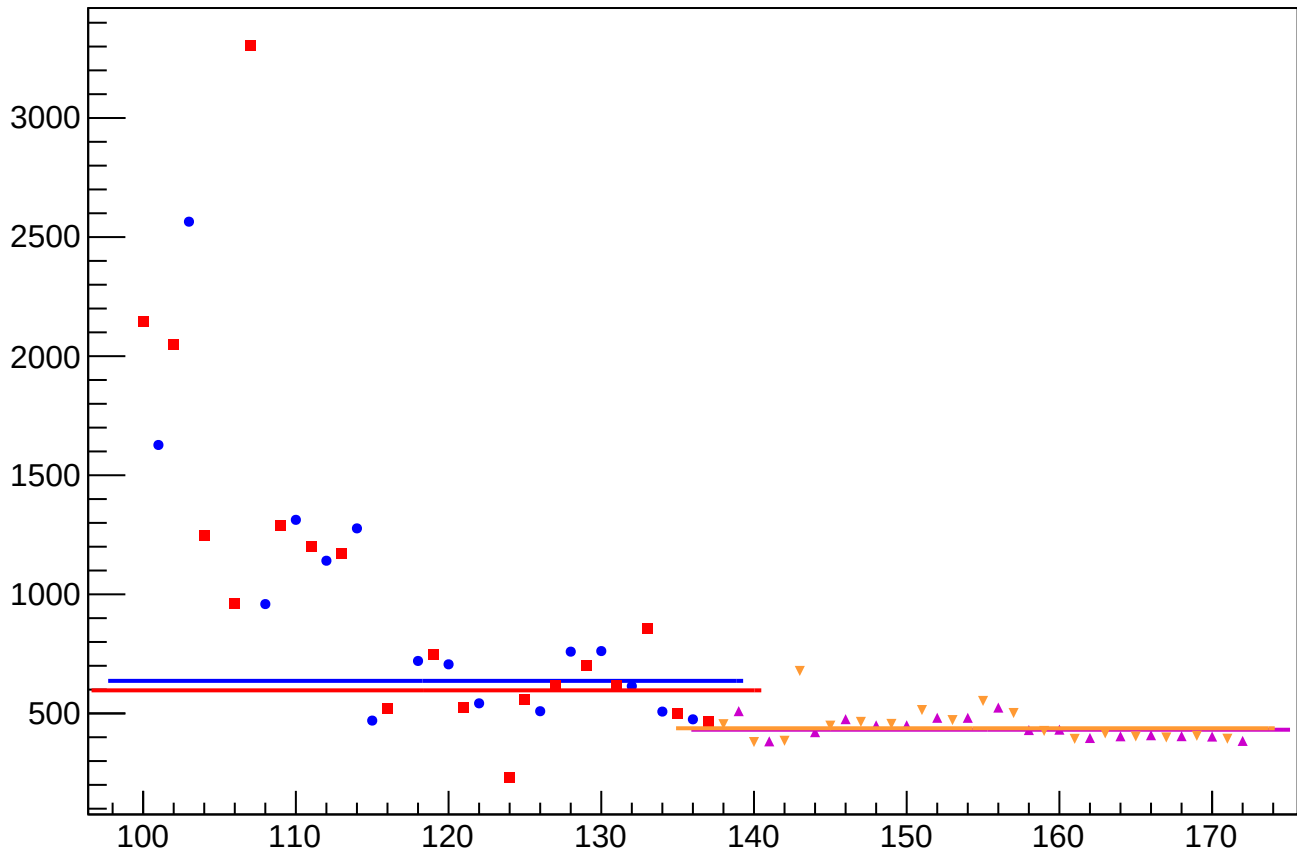
Left In: 5.404+/-116.048 χ^2/NDF : 21.6/16

+ sign 460.020+/-106.898 χ^2/NDF : 76.6/33

All: 267.701+/-75.074 χ^2/NDF : 119.3/69

- sign 80.532+/-105.457 χ^2/NDF : 36.3/35

asym_at1_dd_cor_correction_rms vs Slug



Right In: 636.698 ± 0.183 $\chi^2/\text{NDF}: 2066022.1/15$

Left Out: 437.637 ± 0.083 $\chi^2/\text{NDF}: 493839.9/17$

+ sign 471.662 ± 0.076 $\chi^2/\text{NDF}: 3542652.3/33$

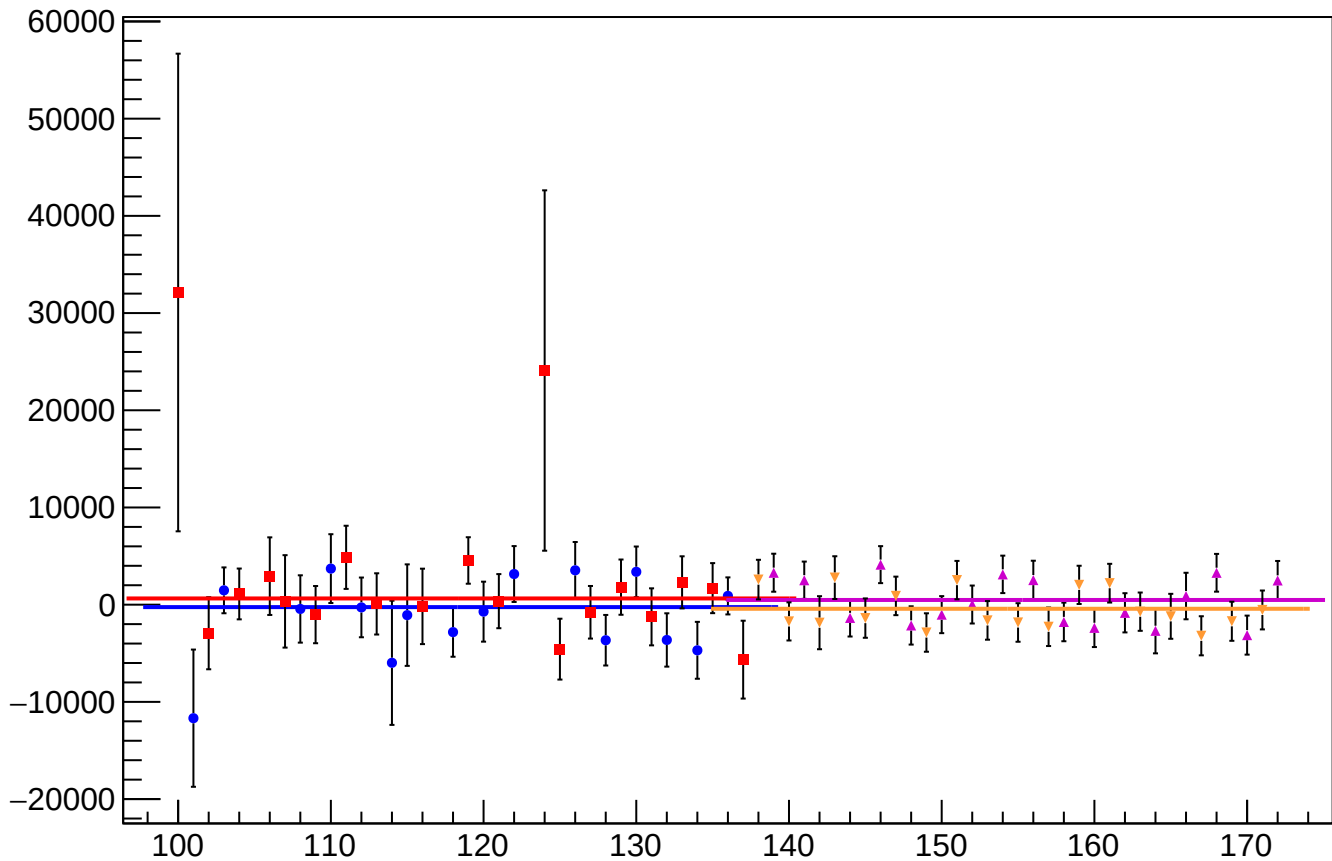
Right Out: 596.862 ± 0.179 $\chi^2/\text{NDF}: 2930443.7/18$

All: 465.911 ± 0.053 $\chi^2/\text{NDF}: 7432457.9/69$

Left In: 431.512 ± 0.082 $\chi^2/\text{NDF}: 240650.7/16$

- sign 460.315 ± 0.075 $\chi^2/\text{NDF}: 3878386.4/35$

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

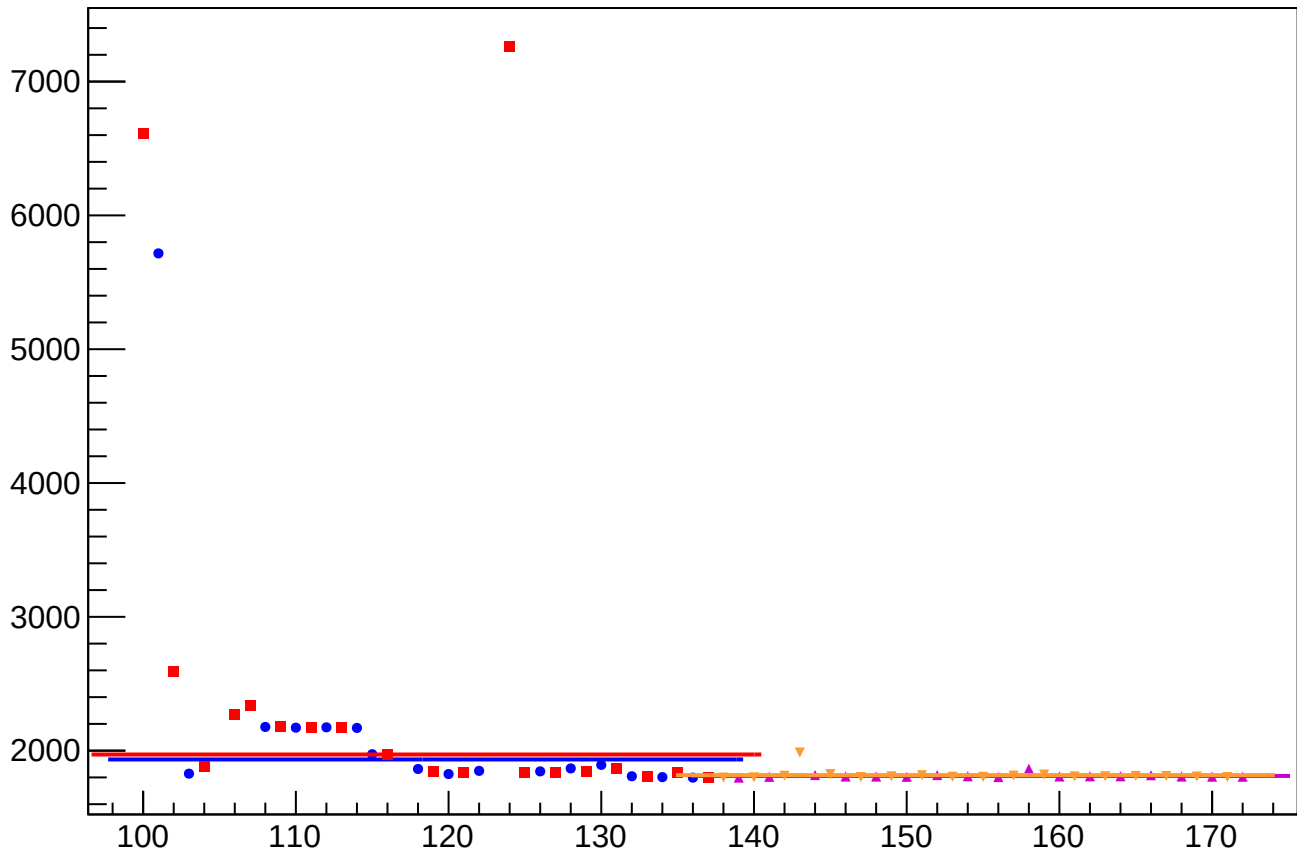
Left In: 483.907+/-483.457 χ^2/NDF : 25.2/16

+ sign -370.103+/-402.693 χ^2/NDF : 34.2/33

All: 78.884+/-285.267 χ^2/NDF : 77.9/69

- sign 531.168+/-404.169 χ^2/NDF : 41.2/35

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

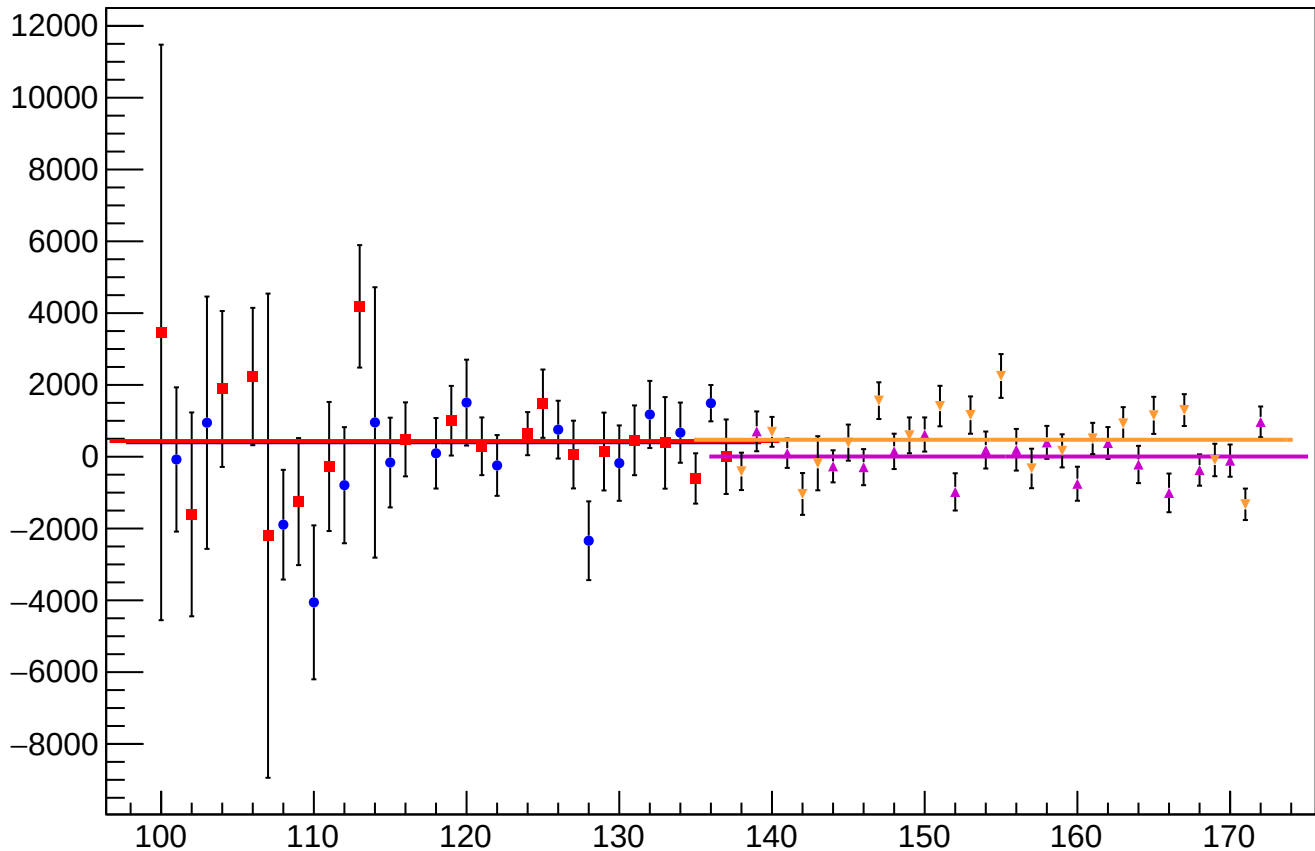
Left In: 1811.172+/-0.342 χ^2/NDF : 1789.4/16

+ sign 1852.373+/-0.285 χ^2/NDF : 688074.8/33

All: 1855.876+/-0.202 χ^2/NDF : 1139457.1/69

- sign 1859.405+/-0.286 χ^2/NDF : 451078.4/35

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 402.701 $\pm$ 258.564 χ^2 /NDF: 21.1/15

Left Out: 471.837 $\pm$ 117.401 χ^2 /NDF:55.4/17

Right Out: 436.691 $\pm$ 252.672 χ^2 /NDF: 12.4/18

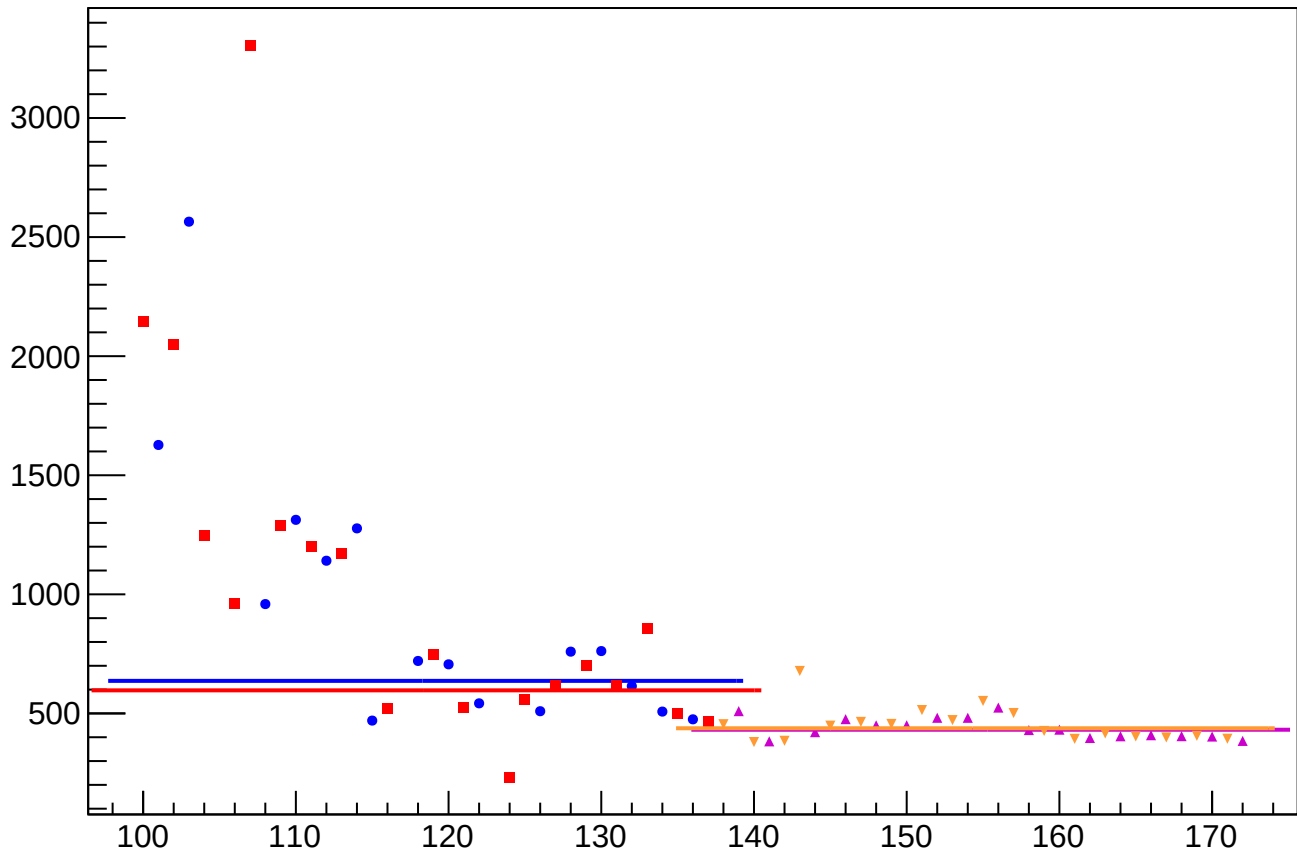
Left In: 5.404 $\pm$ 116.048 χ^2 /NDF:21.6/16

+ sign 460.020 $\pm$ 106.898 χ^2 /NDF: 76.6/33

All: 267.701 $\pm$ 75.074 χ^2 /NDF: 119.3/69

- sign 80.532 $\pm$ 105.457 χ^2 /NDF: 36.3/35

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 636.698 $\pm$ 0.183 χ^2 /NDF: 2066022.1/15

Left Out: 437.637 $\pm$ 0.083 χ^2 /NDF: 493839.9/17

Right Out: 596.862 $\pm$ 0.179 χ^2 /NDF: 2930443.7/18

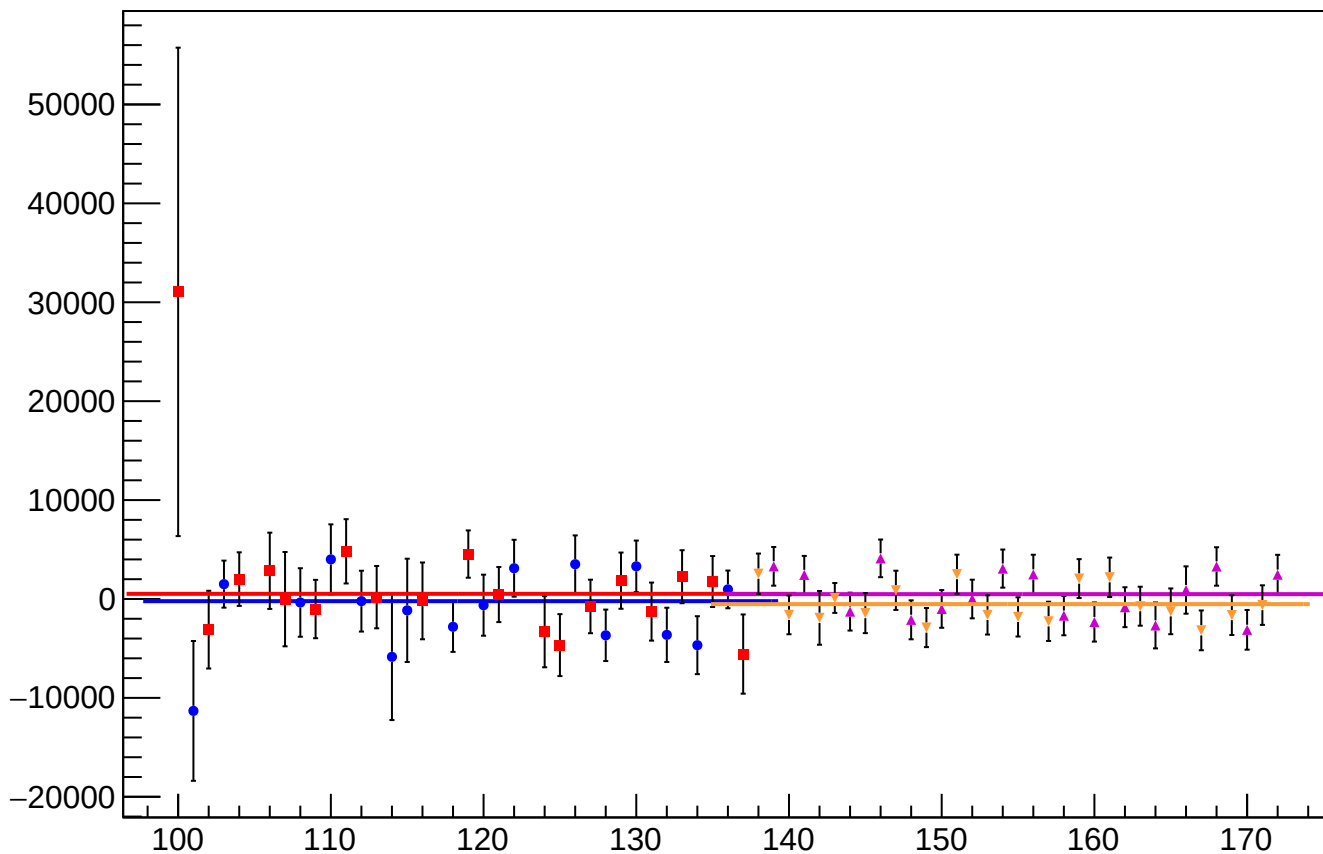
Left In: 431.512 $\pm$ 0.082 χ^2 /NDF: 240650.7/16

+ sign 471.662 $\pm$ 0.076 χ^2 /NDF: 3542652.3/33

All: 465.911 $\pm$ 0.053 χ^2 /NDF: 7432457.9/69

- sign 460.315 $\pm$ 0.075 χ^2 /NDF: 3878386.4/35

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

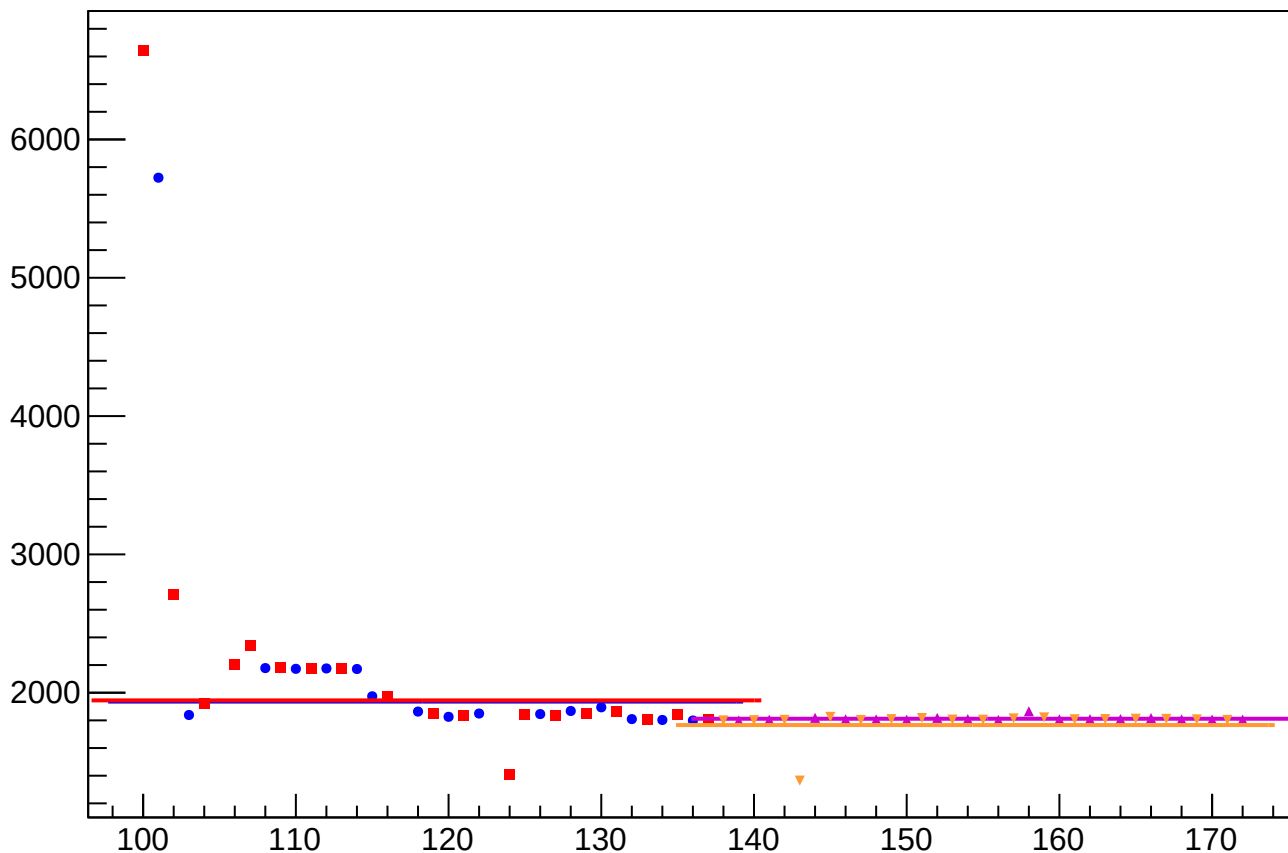
Left In: 489.455+/-483.618 χ^2 /NDF:24.6/16

+ sign -432.376+/-395.501 χ^2 /NDF: 32.0/33

All: 25.326+/-282.041 χ^2 /NDF: 74.9/69

- sign 498.943+/-402.318 χ^2 /NDF: 40.2/35

dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1766.146 $\pm$ 0.332 χ^2 /NDF: 157223.5/17

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.6/18

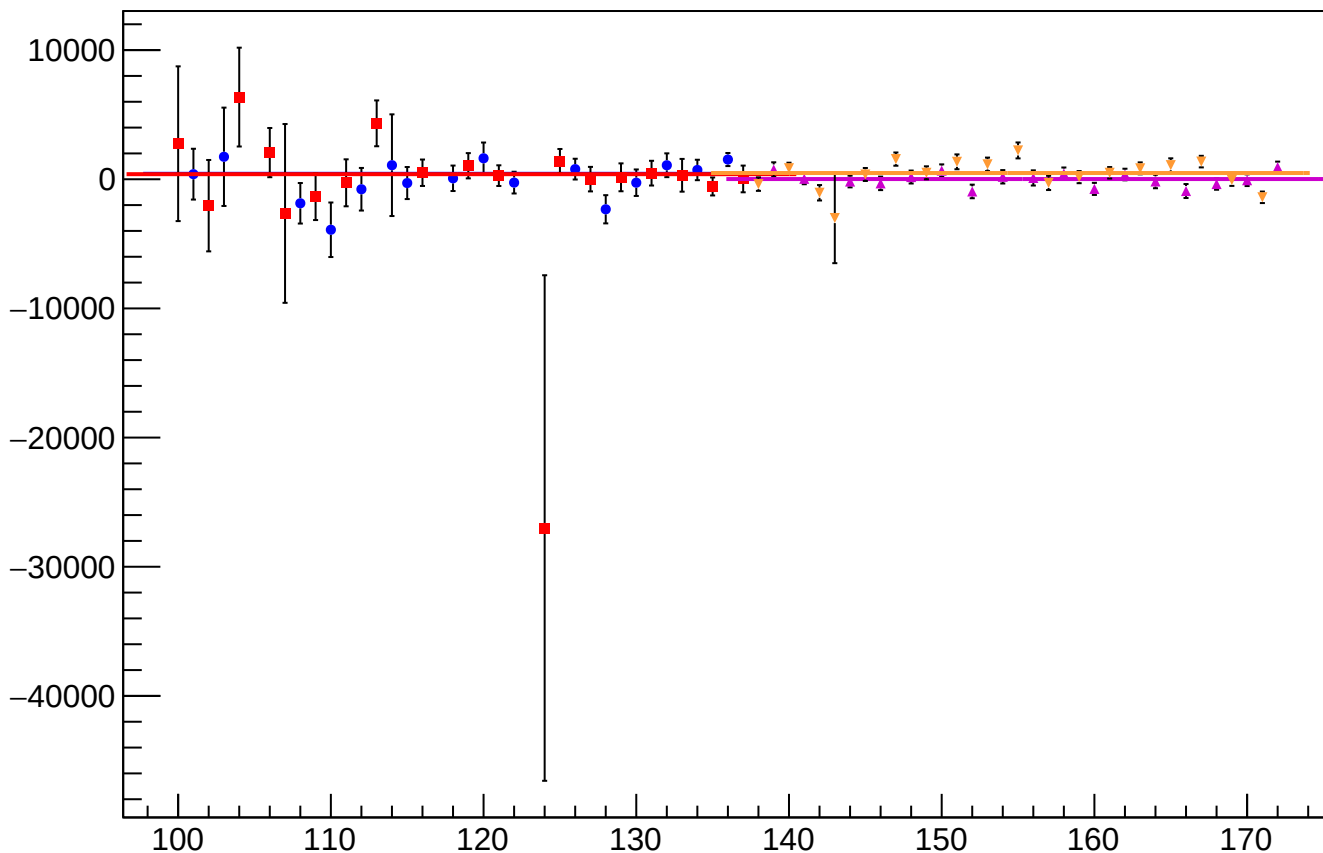
Left In: 1811.773 $\pm$ 0.342 χ^2 /NDF: 1785.7/16

+ sign 1815.200 $\pm$ 0.280 χ^2 /NDF: 872782.8/33

All: 1833.603 $\pm$ 0.199 χ^2 /NDF: 1205989.8/69

- sign 1852.646 $\pm$ 0.284 χ^2 /NDF: 324396.3/35

asym_at1_dd_dit_correction_mean vs Slug



Right In: 421.145 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 483.111 $\pm$ 120.492 χ^2 /NDF: 54.8/17

Right Out: 393.590 $\pm$ 279.562 χ^2 /NDF: 15.9/18

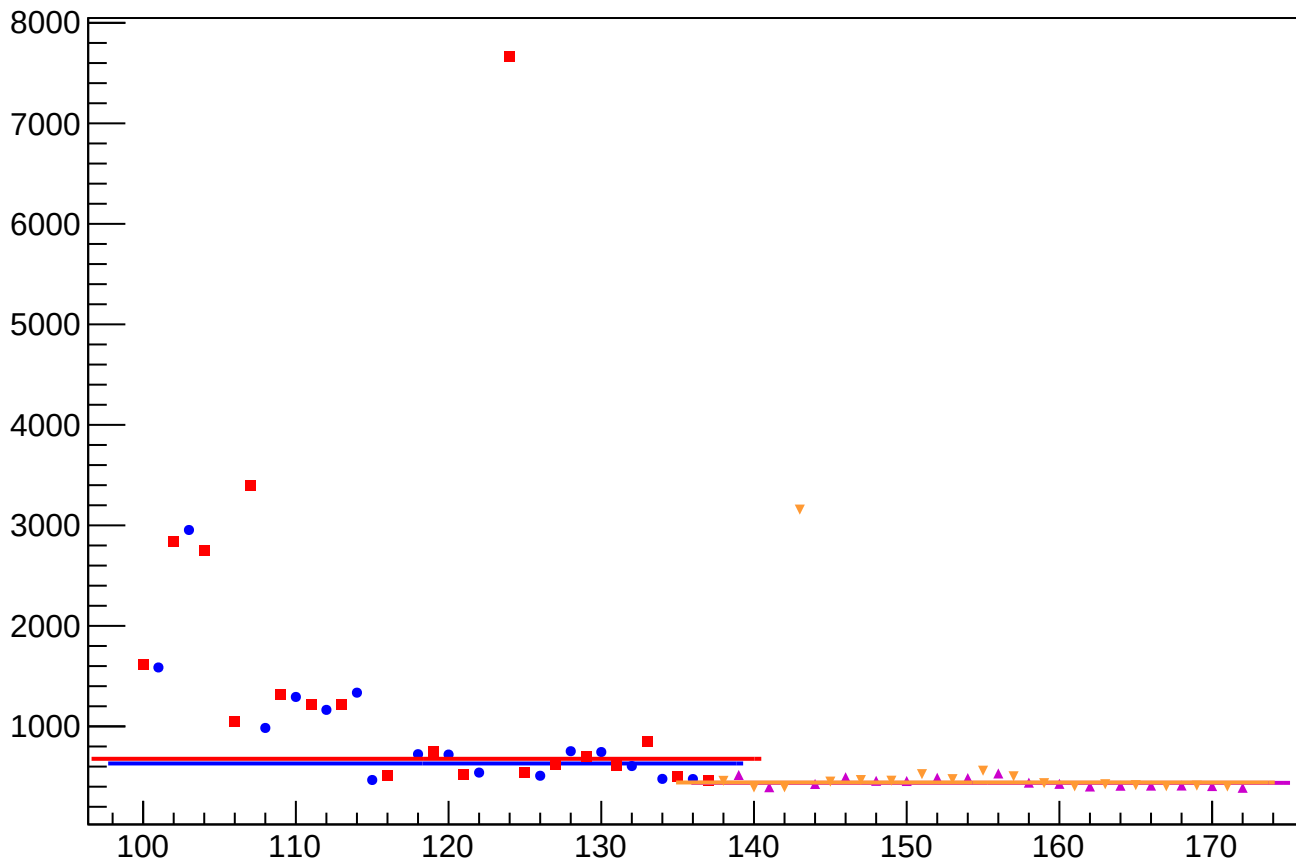
Left In: 16.534 $\pm$ 117.695 χ^2 /NDF: 20.1/16

+ sign 471.927 $\pm$ 109.077 χ^2 /NDF: 76.3/33

All: 271.509 $\pm$ 76.915 χ^2 /NDF: 120.5/69

- sign 73.302 $\pm$ 108.474 χ^2 /NDF: 37.5/35

asym_at1_dd_dit_correction_rms vs Slug



Right In: 631.140 $\pm$ 0.182 χ^2 /NDF: 2234480.1/15

Left Out: 441.796 $\pm$ 0.085 χ^2 /NDF:1466803.4/17

+ sign 475.971 $\pm$ 0.077 χ^2 /NDF: 4592671.5/33

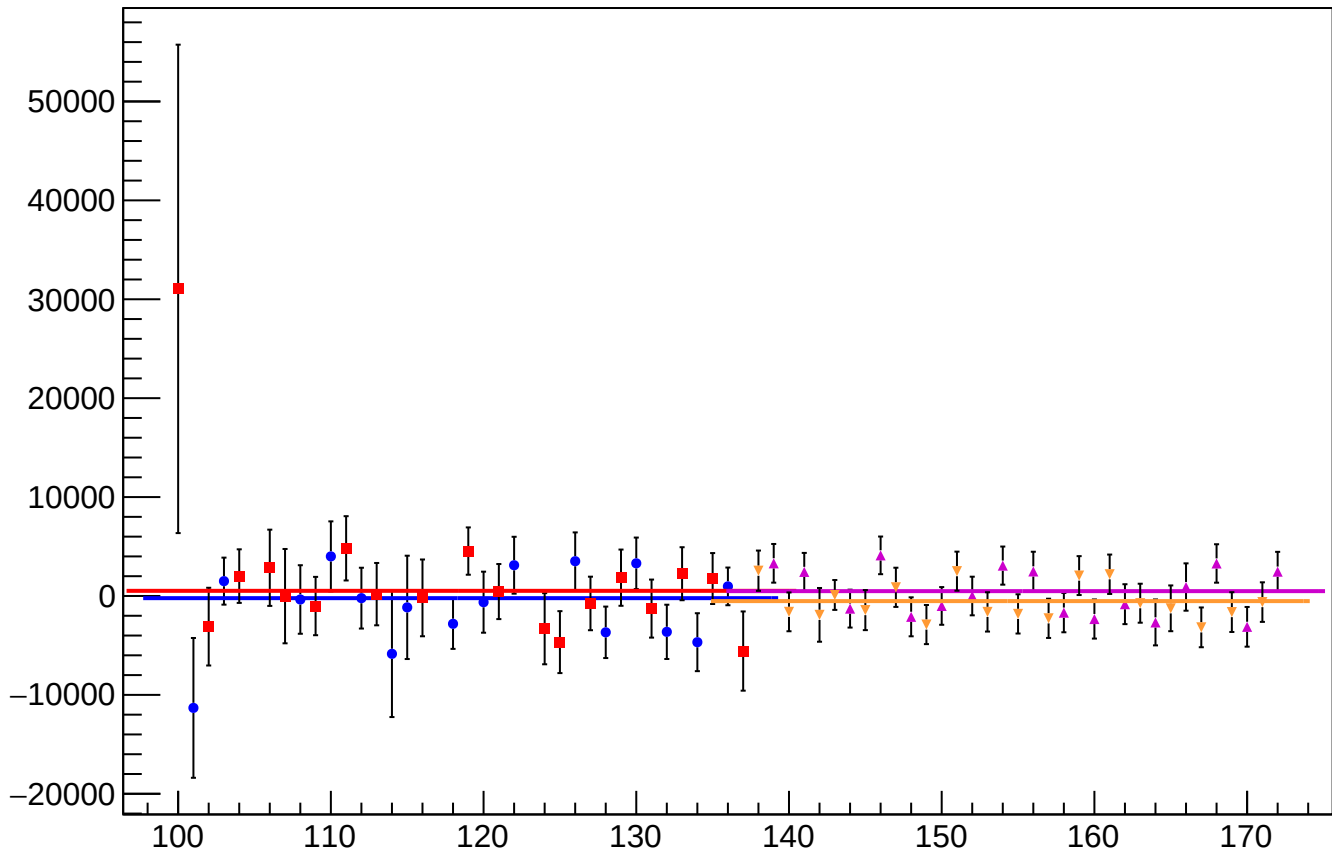
Right Out: 677.438 $\pm$ 0.198 χ^2 /NDF: 3081569.8/18

All: 475.031 $\pm$ 0.054 χ^2 /NDF: 9164083.5/69

Left In: 438.063 $\pm$ 0.083 χ^2 /NDF:243991.8/16

- sign 474.102 $\pm$ 0.077 χ^2 /NDF: 4571117.0/35

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

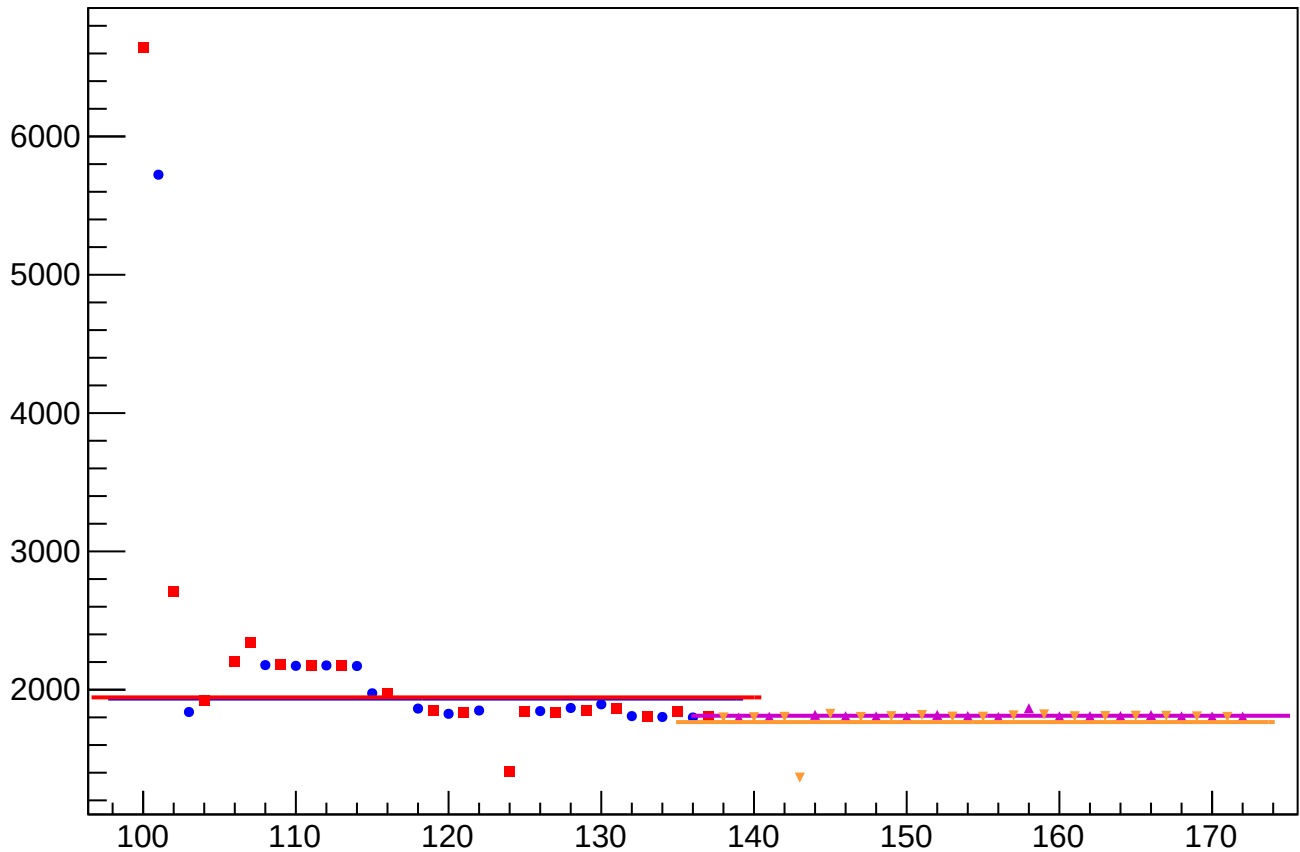
Left In: 489.455+/-483.618 χ^2 /NDF:24.6/16

+ sign -432.377+/-395.501 χ^2 /NDF: 32.0/33

All: 25.325+/-282.041 χ^2 /NDF: 74.9/69

- sign 498.943+/-402.318 χ^2 /NDF: 40.2/35

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1935.974 $\pm$ 0.520 χ^2 /NDF: 639808.0/15

Left Out: 1766.146 $\pm$ 0.332 χ^2 /NDF: 157223.5/17

Right Out: 1944.495 $\pm$ 0.513 χ^2 /NDF: 276223.5/18

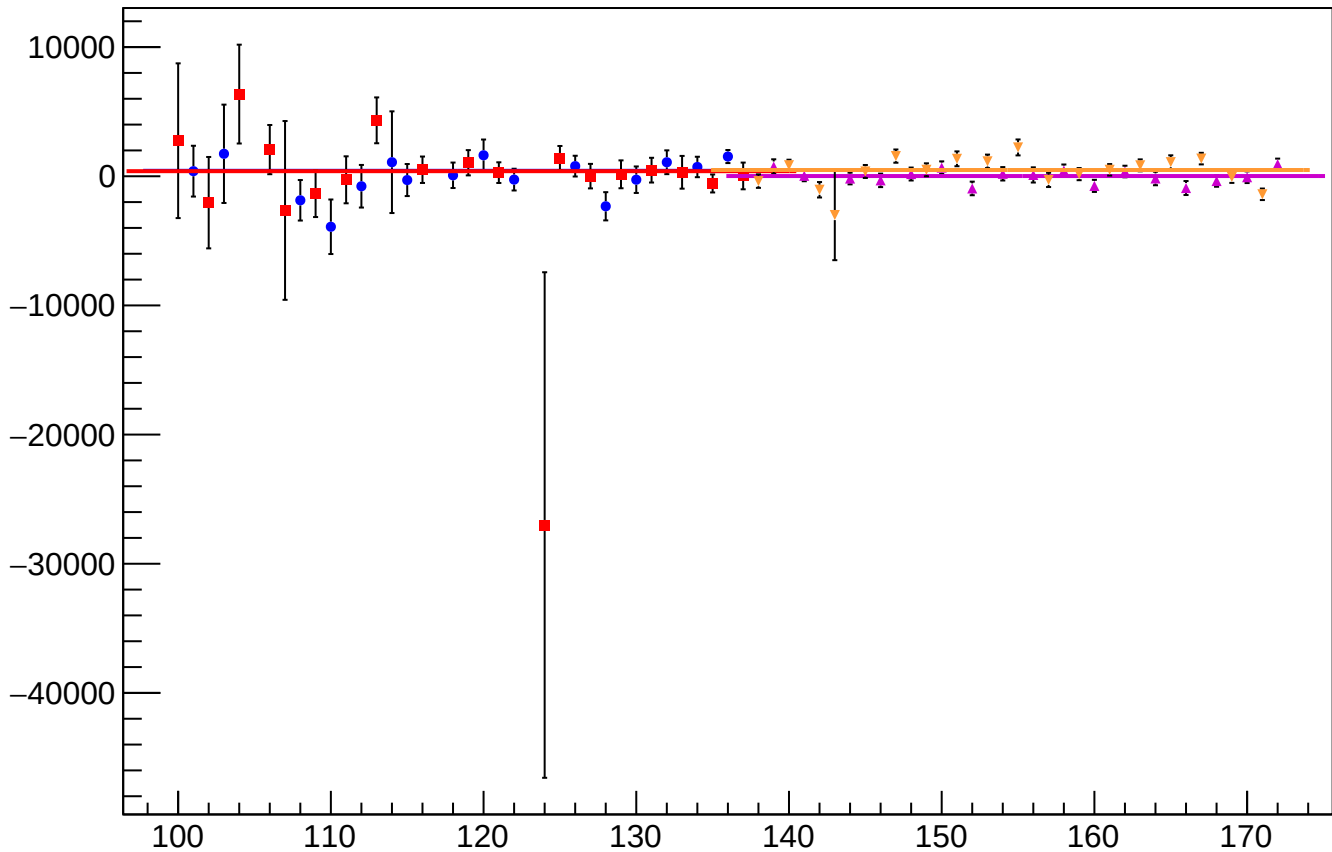
Left In: 1811.773 $\pm$ 0.342 χ^2 /NDF: 1785.7/16

+ sign 1815.200 $\pm$ 0.280 χ^2 /NDF: 872782.8/33

All: 1833.603 $\pm$ 0.199 χ^2 /NDF: 1205989.6/69

- sign 1852.646 $\pm$ 0.284 χ^2 /NDF: 324396.1/35

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 421.144 $\pm$ 256.749 χ^2 /NDF: 21.5/15

Left Out: 483.111 $\pm$ 120.492 χ^2 /NDF: 54.8/17

Right Out: 393.591 $\pm$ 279.562 χ^2 /NDF: 15.9/18

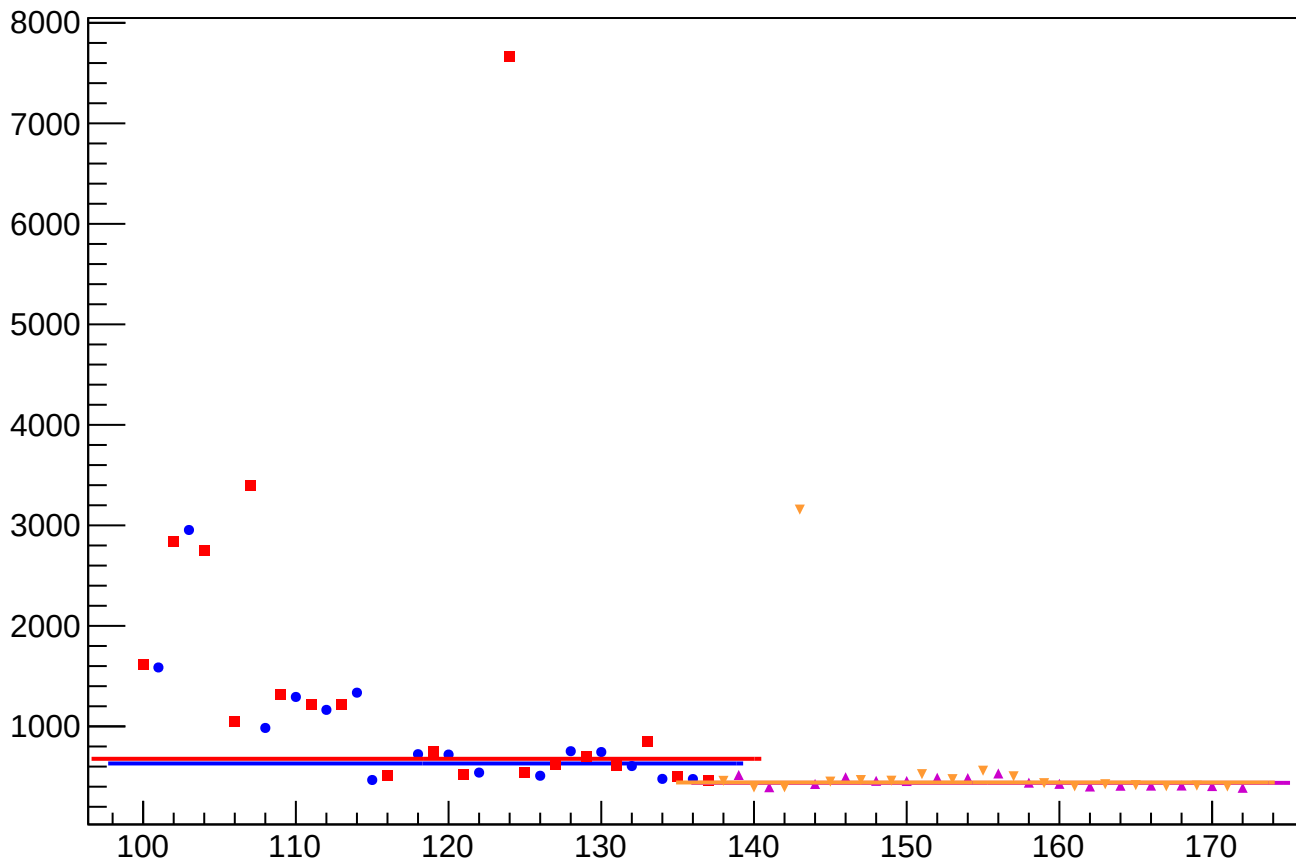
Left In: 16.533 $\pm$ 117.695 χ^2 /NDF: 20.1/16

+ sign 471.926 $\pm$ 109.077 χ^2 /NDF: 76.3/33

All: 271.508 $\pm$ 76.915 χ^2 /NDF: 120.5/69

- sign 73.301 $\pm$ 108.474 χ^2 /NDF: 37.5/35

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

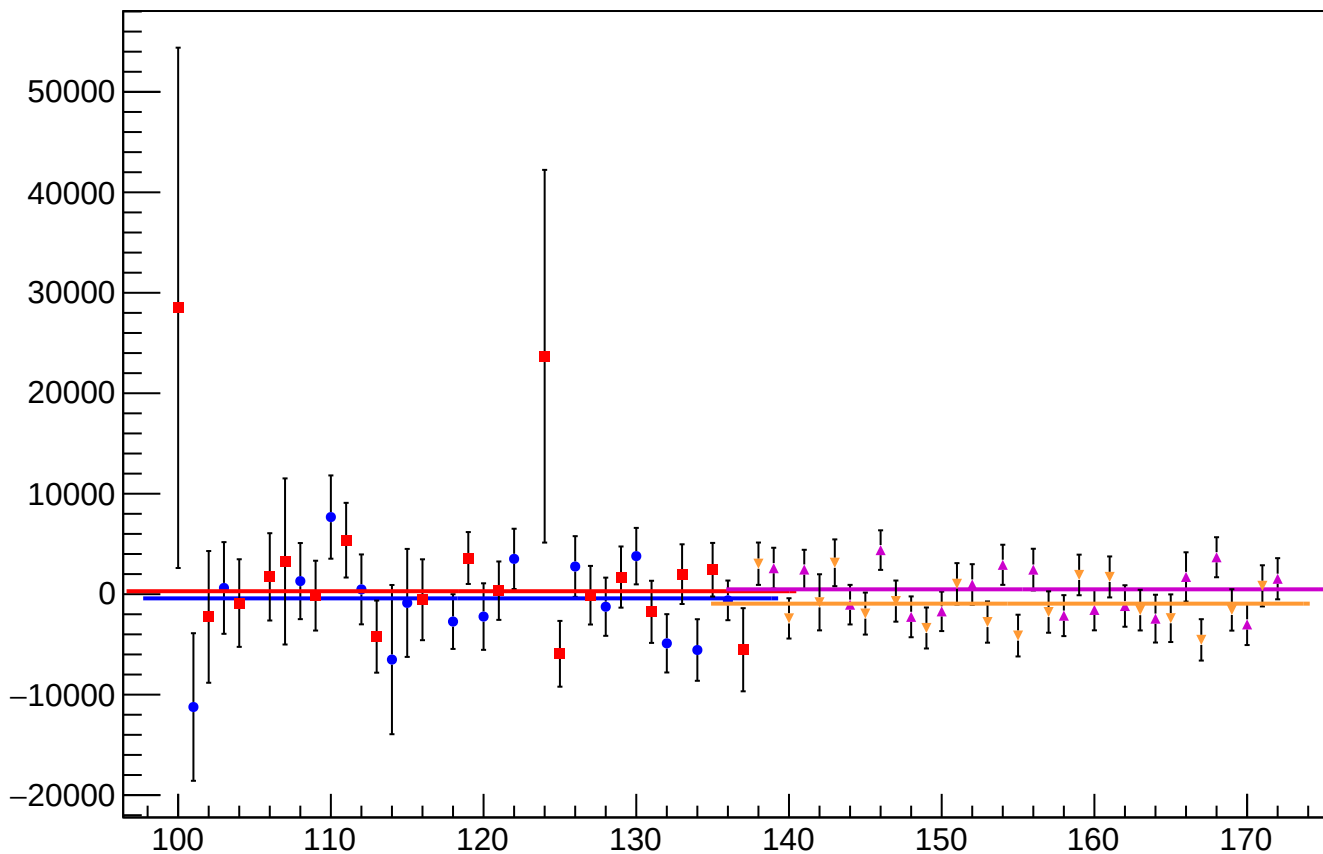
Left In: 438.063+/-0.083 χ^2/NDF : 243994.4/16

+ sign 475.970+/-0.077 χ^2/NDF : 4592673.4/33

All: 475.031+/-0.054 χ^2/NDF : 9164088.9/69

- sign 474.102+/-0.077 χ^2/NDF : 4571120.5/35

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

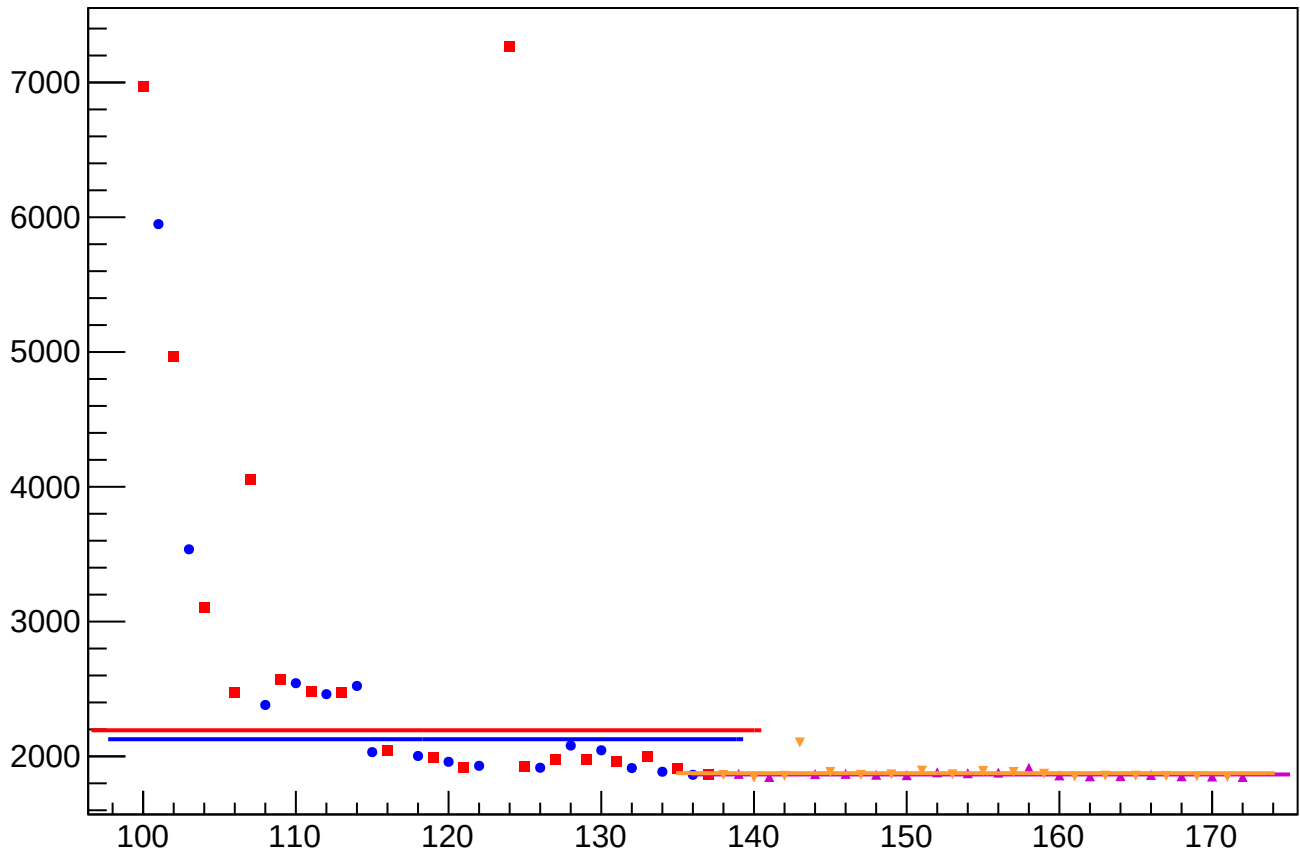
Left In: 482.757 ± 498.010 χ^2/NDF : 22.9/16

+ sign -801.031 ± 424.264 χ^2/NDF : 39.7/33

All: -188.316 ± 301.052 χ^2/NDF : 82.5/69

- sign 433.072 ± 427.256 χ^2/NDF : 38.6/35

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

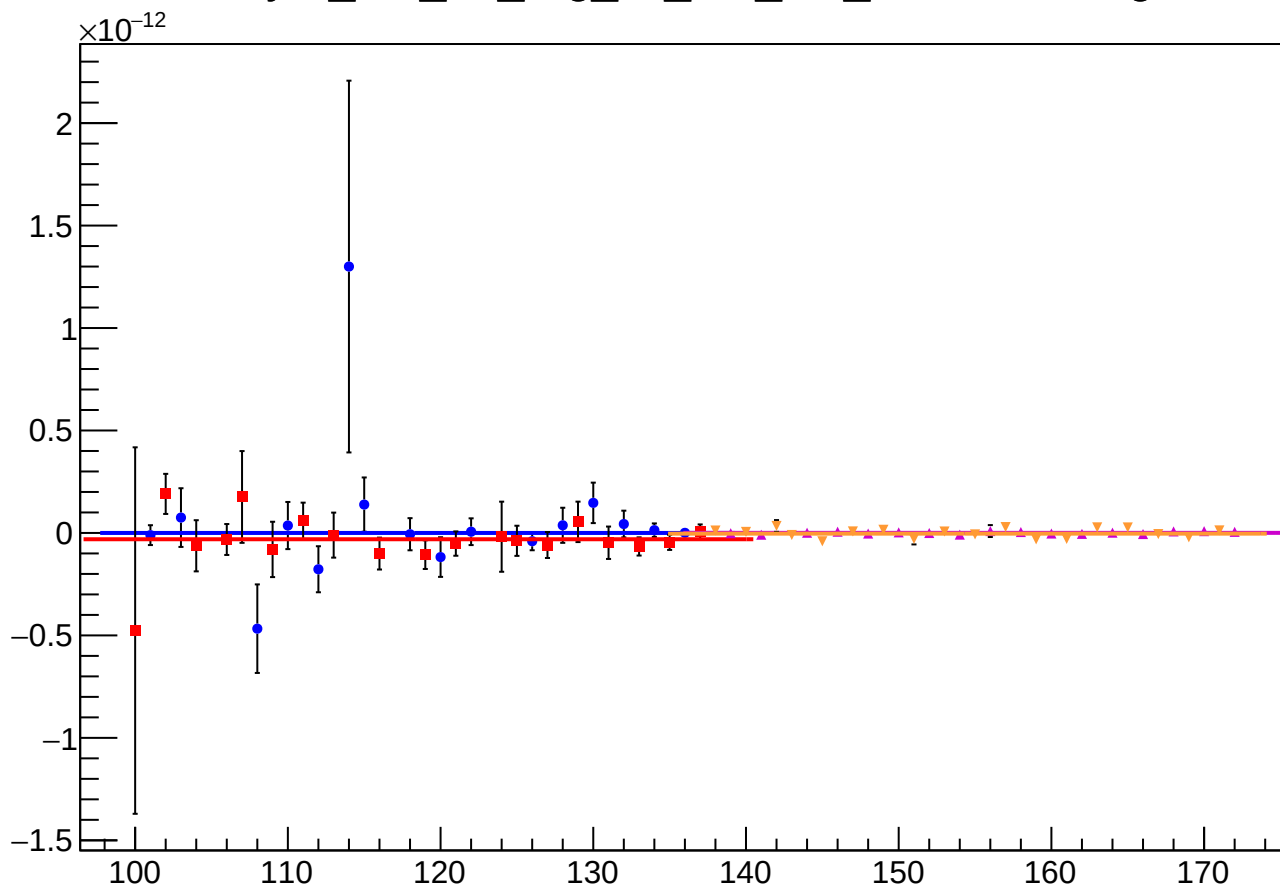
Left In: 1865.661+/-0.352 χ^2/NDF : 2165.2/16

+ sign 1943.539+/-0.300 χ^2/NDF : 1035772.9/33

All: 1947.846+/-0.213 χ^2/NDF : 2209796.6/69

- sign 1952.213+/-0.302 χ^2/NDF : 1173608.7/35

asym_at1_dd_reg_vs_cor_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 : 29.9/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 12.4/18

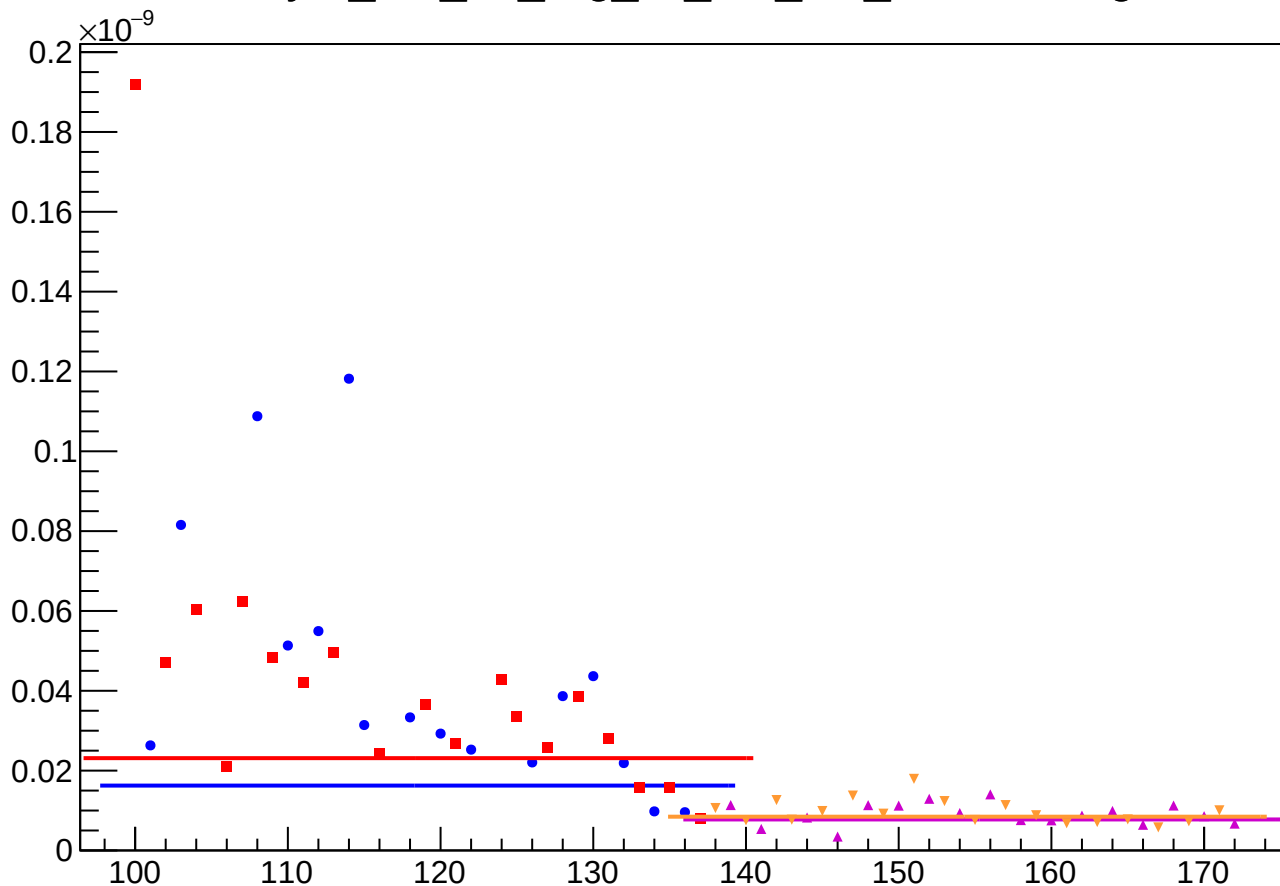
Left In: 0.000 ± 0.000 χ^2/NDF : 2.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 46.0/33

All: -0.000 ± 0.000 χ^2/NDF : 64.5/69

- sign -0.000 ± 0.000 χ^2/NDF : 18.3/35

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

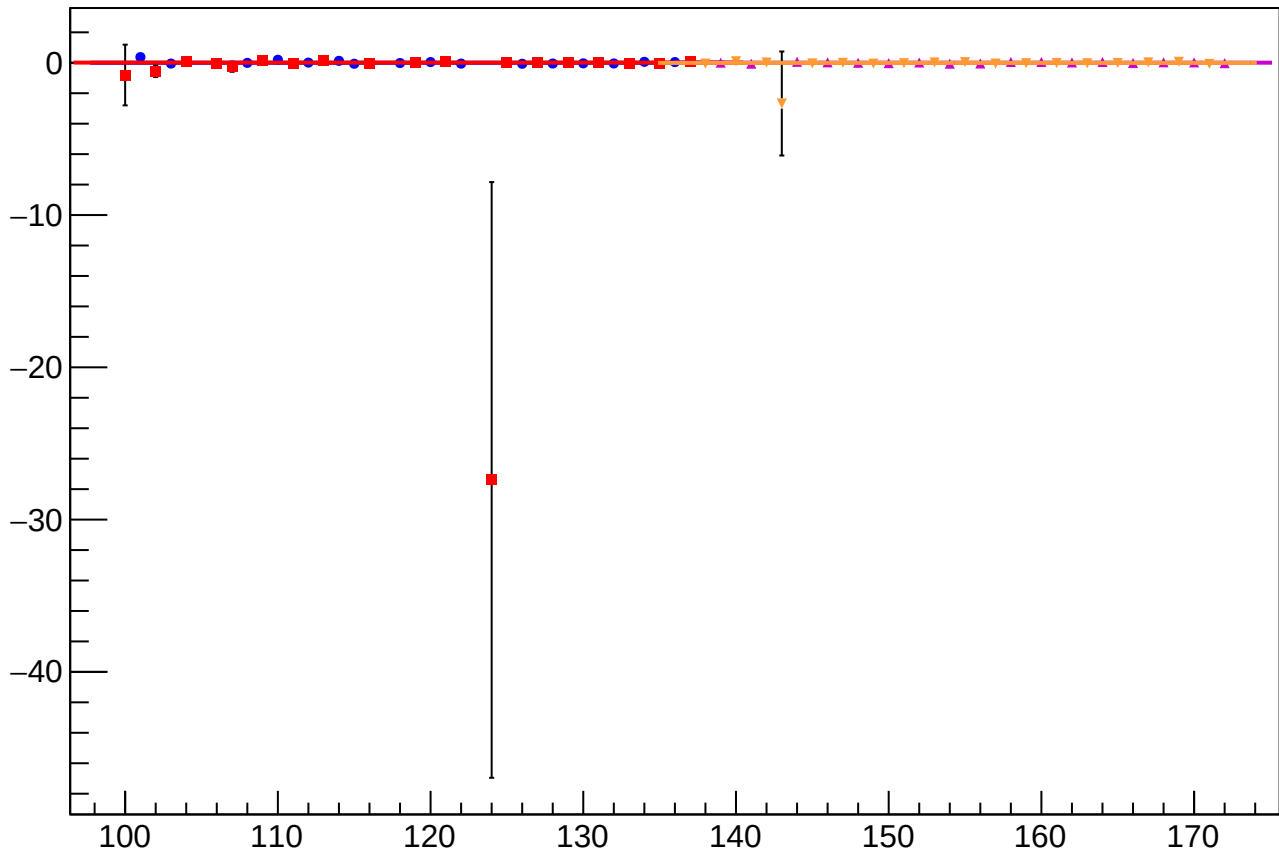
Left In: 0.000+/-0.000 χ^2/NDF : 994256.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 3835415.4/33

All: 0.000+/-0.000 χ^2/NDF : 8072221.8/69

- sign 0.000+/-0.000 χ^2/NDF : 4210457.1/35

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: -0.009 $\pm$ 0.010 χ^2 /NDF: 24.6/17

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

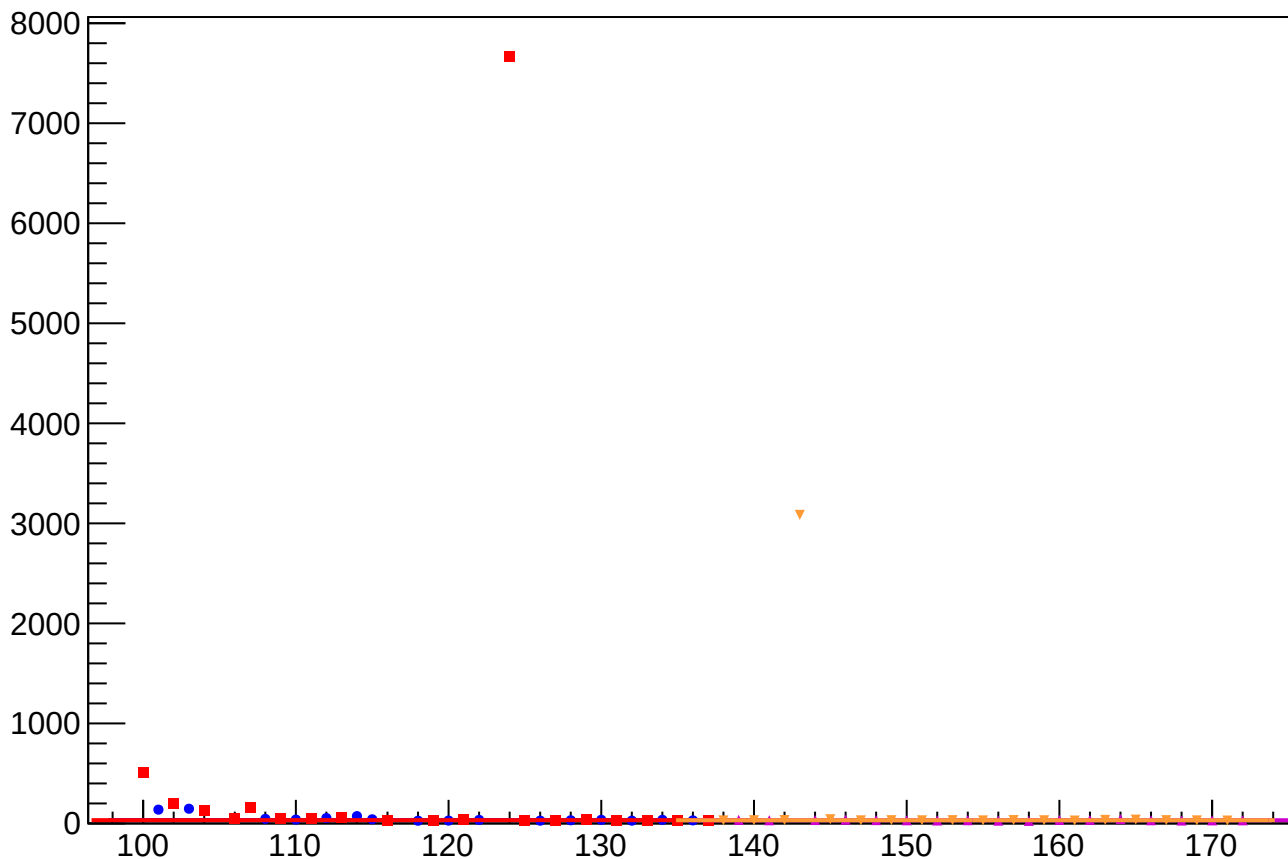
Left In: 0.006 $\pm$ 0.009 χ^2 /NDF: 18.0/16

+ sign -0.006 $\pm$ 0.008 χ^2 /NDF: 46.0/33

All: 0.001 $\pm$ 0.006 χ^2 /NDF: 79.8/69

- sign 0.008 $\pm$ 0.008 χ^2 /NDF: 32.3/35

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

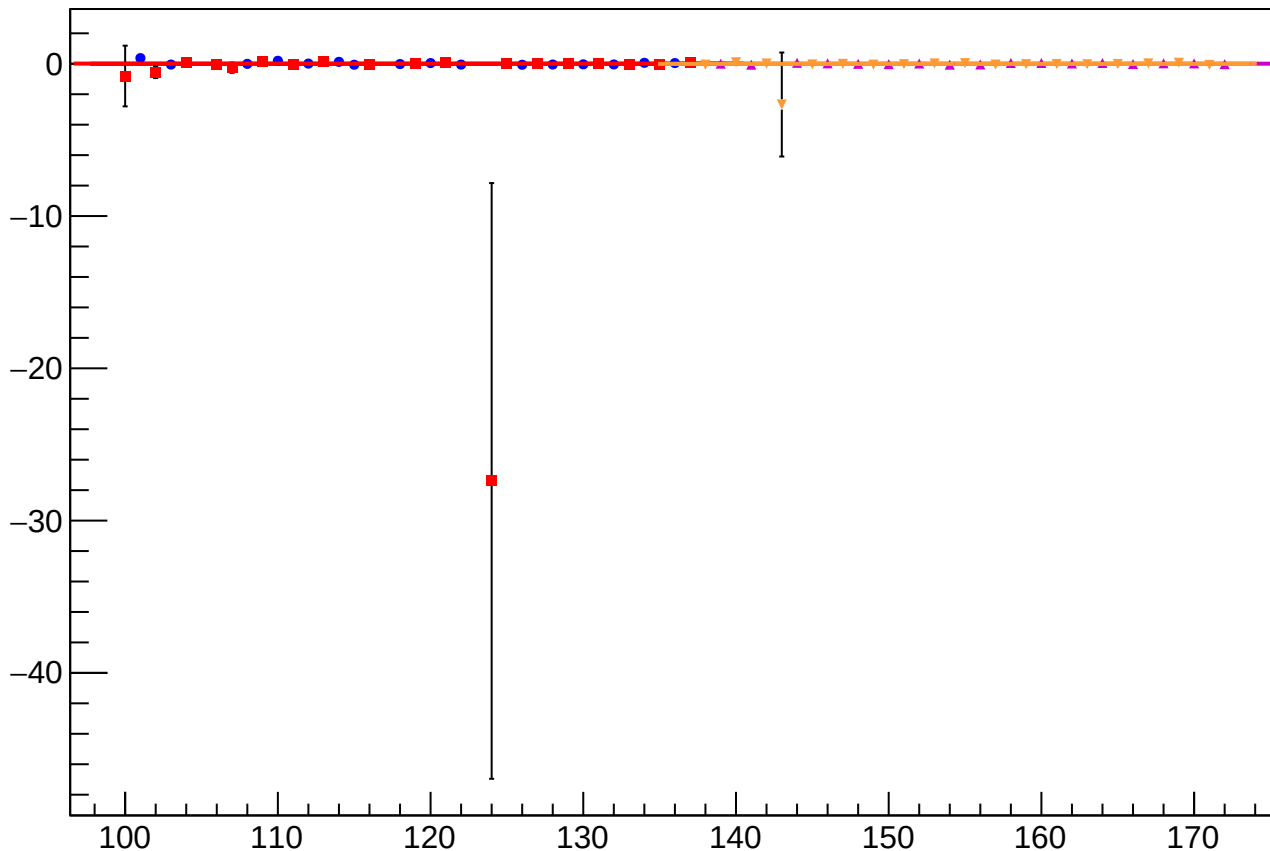
Left In: 32.231+/-0.007 χ^2/NDF : 267765.3/16

+ sign 32.723+/-0.006 χ^2/NDF : 3513410.1/33

All: 32.597+/-0.004 χ^2/NDF : 5861996.6/69

- sign 32.473+/-0.006 χ^2/NDF : 2347600.5/35

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.015 χ^2 /NDF: 21.0/15

Left Out: -0.009 $\pm$ 0.010 χ^2 /NDF: 24.6/17

Right Out: 0.012 $\pm$ 0.015 χ^2 /NDF: 14.2/18

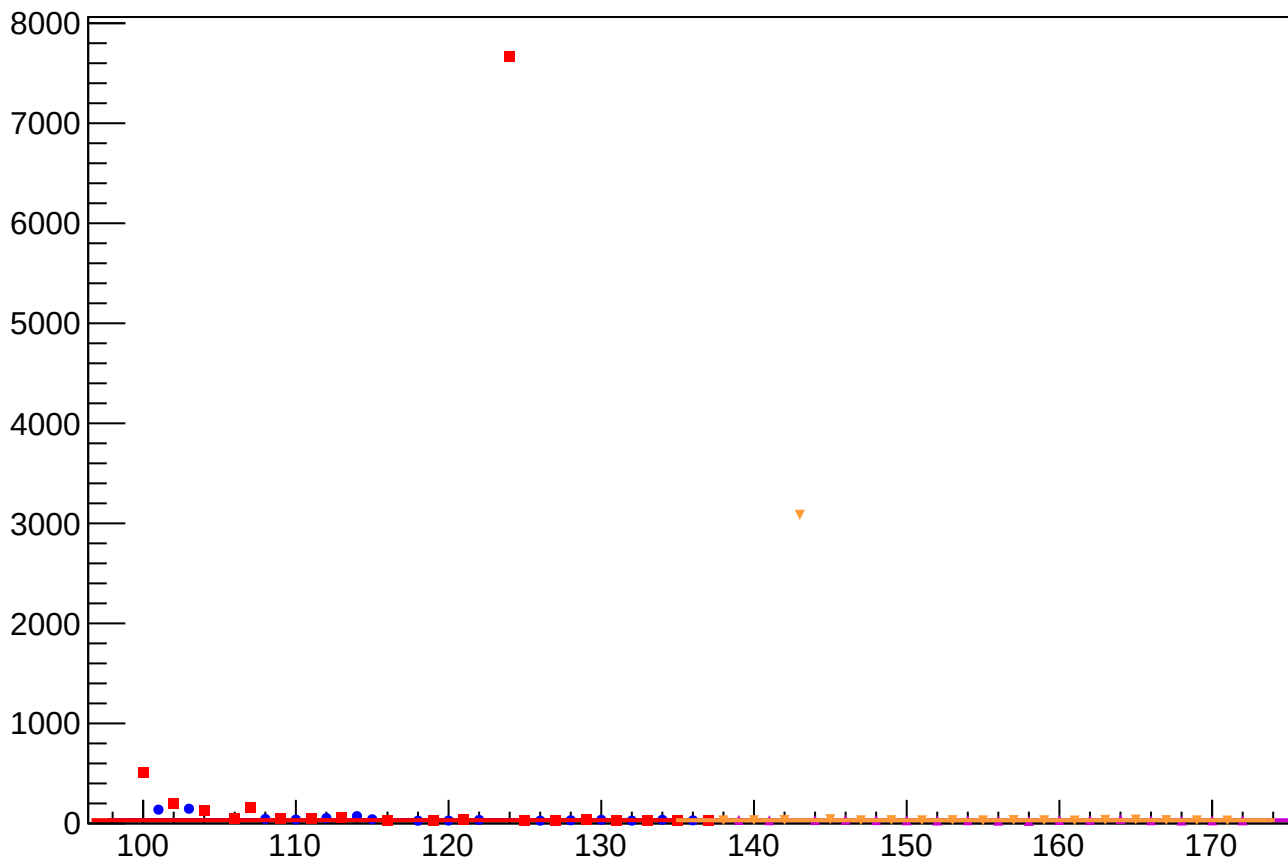
Left In: 0.006 $\pm$ 0.009 χ^2 /NDF: 18.0/16

+ sign -0.006 $\pm$ 0.008 χ^2 /NDF: 46.0/33

All: 0.001 $\pm$ 0.006 χ^2 /NDF: 79.8/69

- sign 0.008 $\pm$ 0.008 χ^2 /NDF: 32.3/35

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

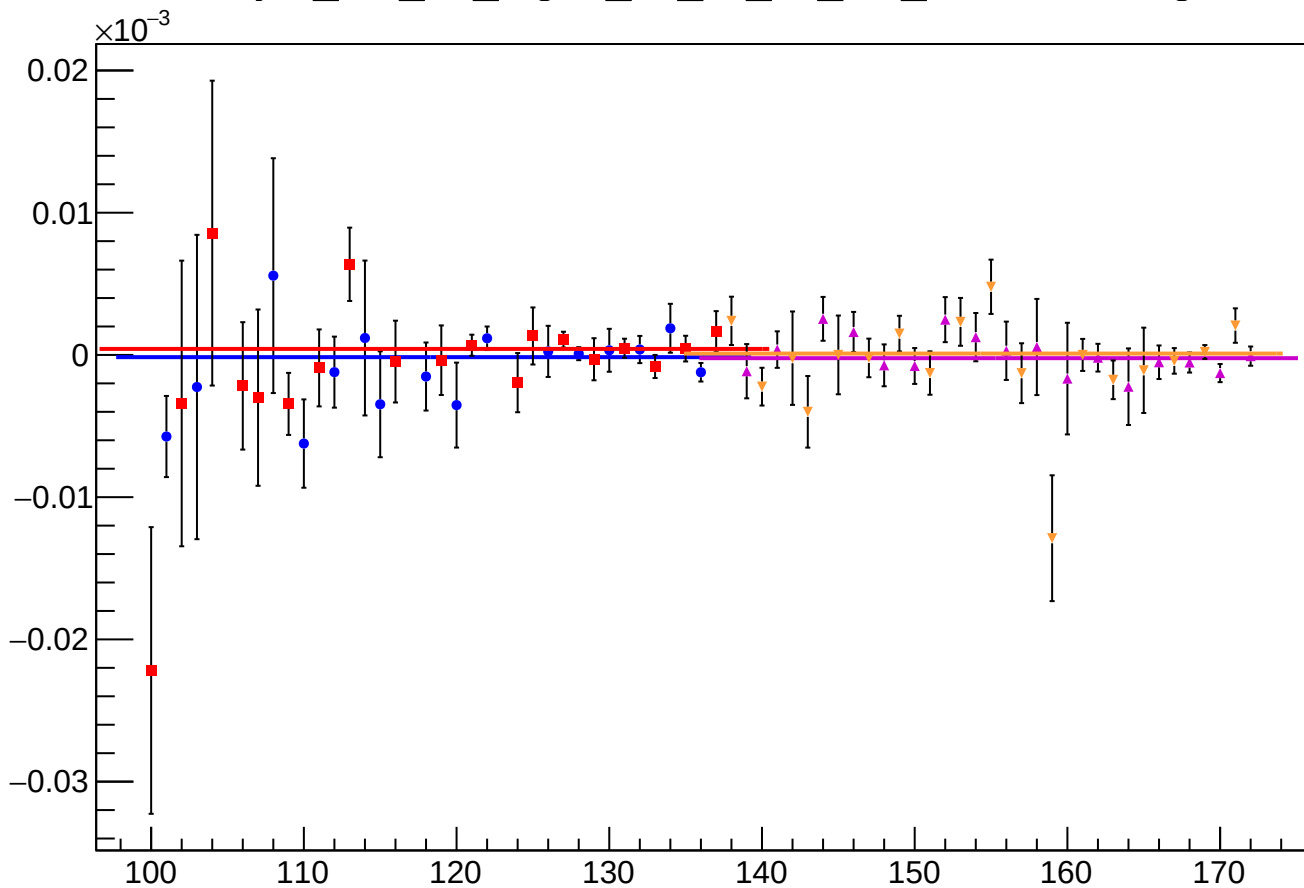
Left In: 32.231+/-0.007 χ^2/NDF : 267765.3/16

+ sign 32.723+/-0.006 χ^2/NDF : 3513410.1/33

All: 32.597+/-0.004 χ^2/NDF : 5861996.6/69

- sign 32.473+/-0.006 χ^2/NDF : 2347600.5/35

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

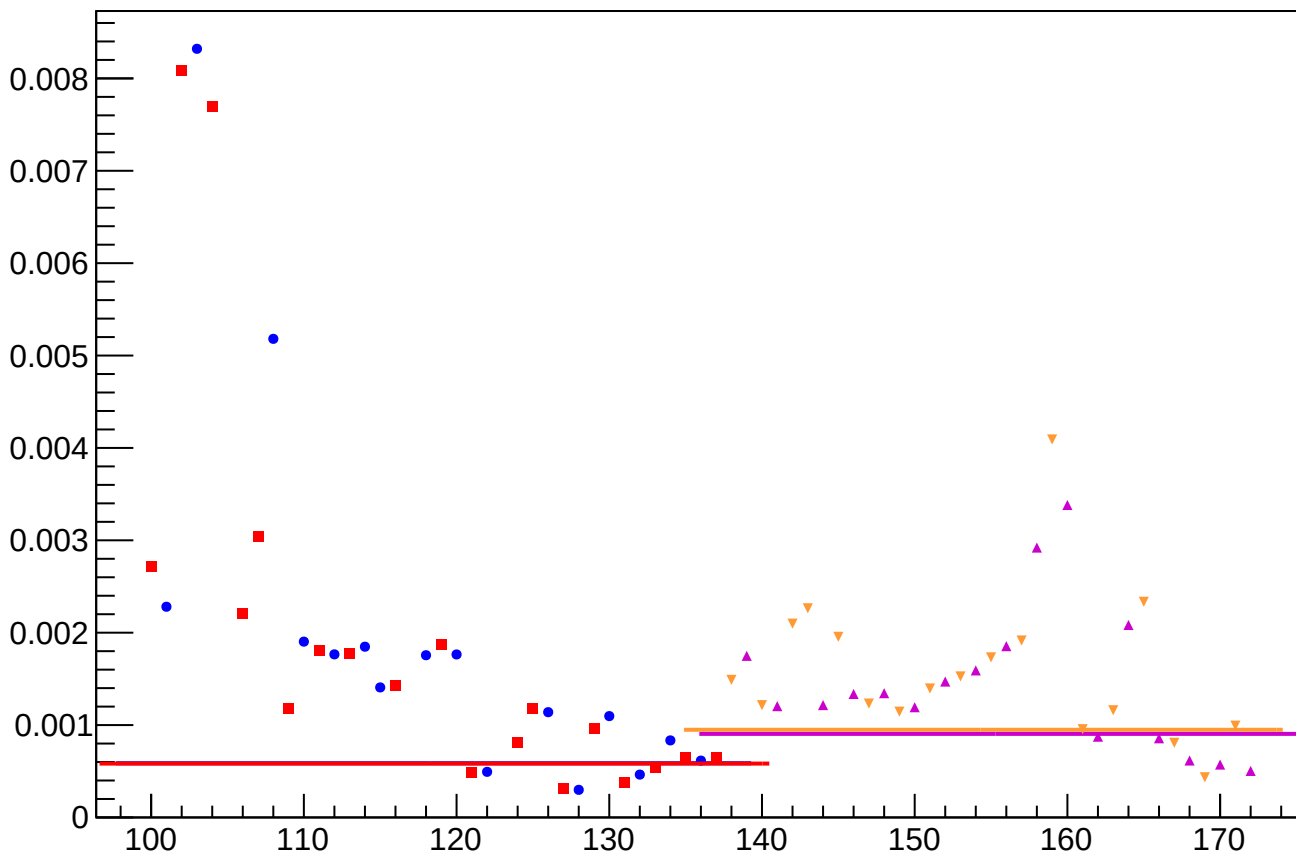
Left In: -0.000 ± 0.000 χ^2/NDF : 13.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 50.1/33

All: 0.000 ± 0.000 χ^2/NDF : 87.6/69

- sign 0.000 ± 0.000 χ^2/NDF : 37.4/35

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

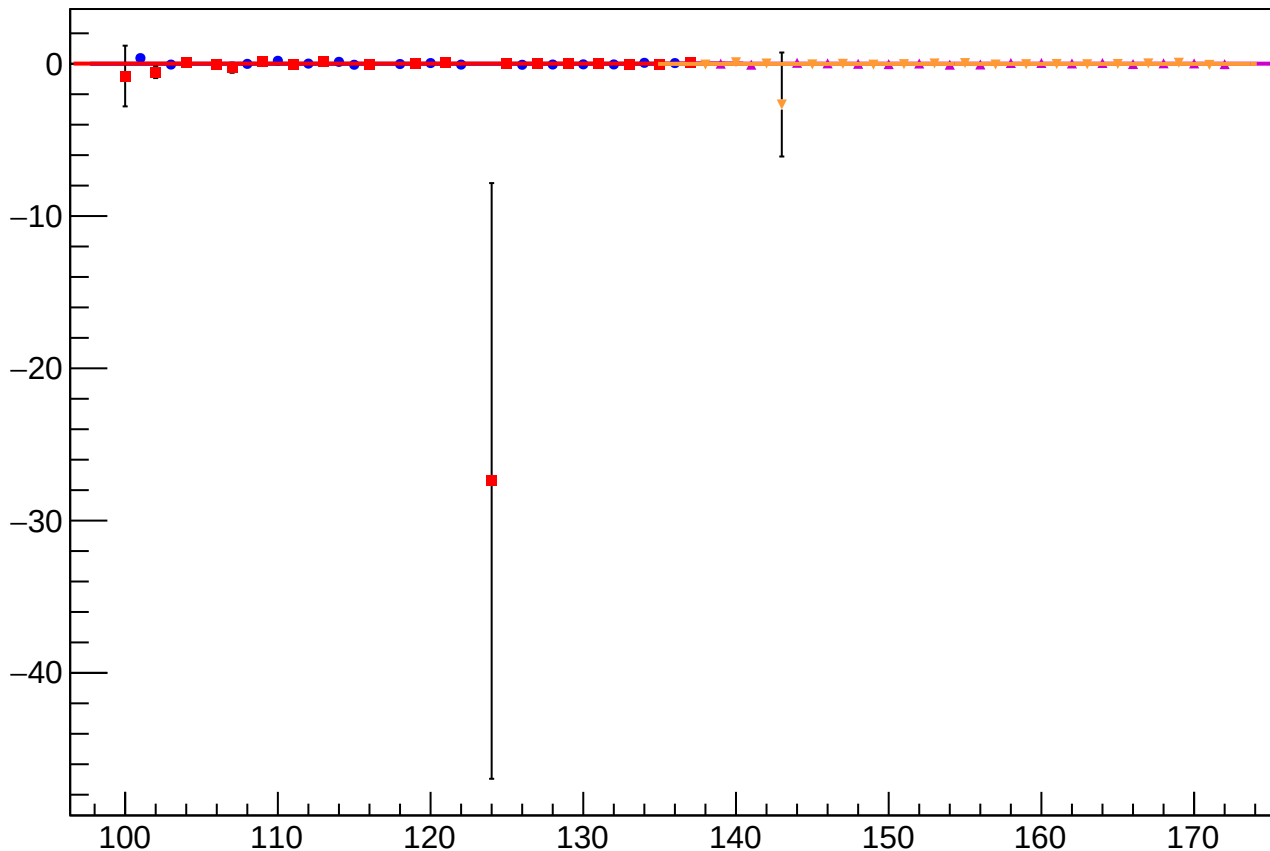
Left In: 0.001+/-0.000 χ^2/NDF : 5542469.2/16

+ sign 0.001+/-0.000 χ^2/NDF : 13418895.6/33

All: 0.001+/-0.000 χ^2/NDF : 25690910.6/69

- sign 0.001+/-0.000 χ^2/NDF : 12261624.9/35

asym_at1_dd_eigen_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

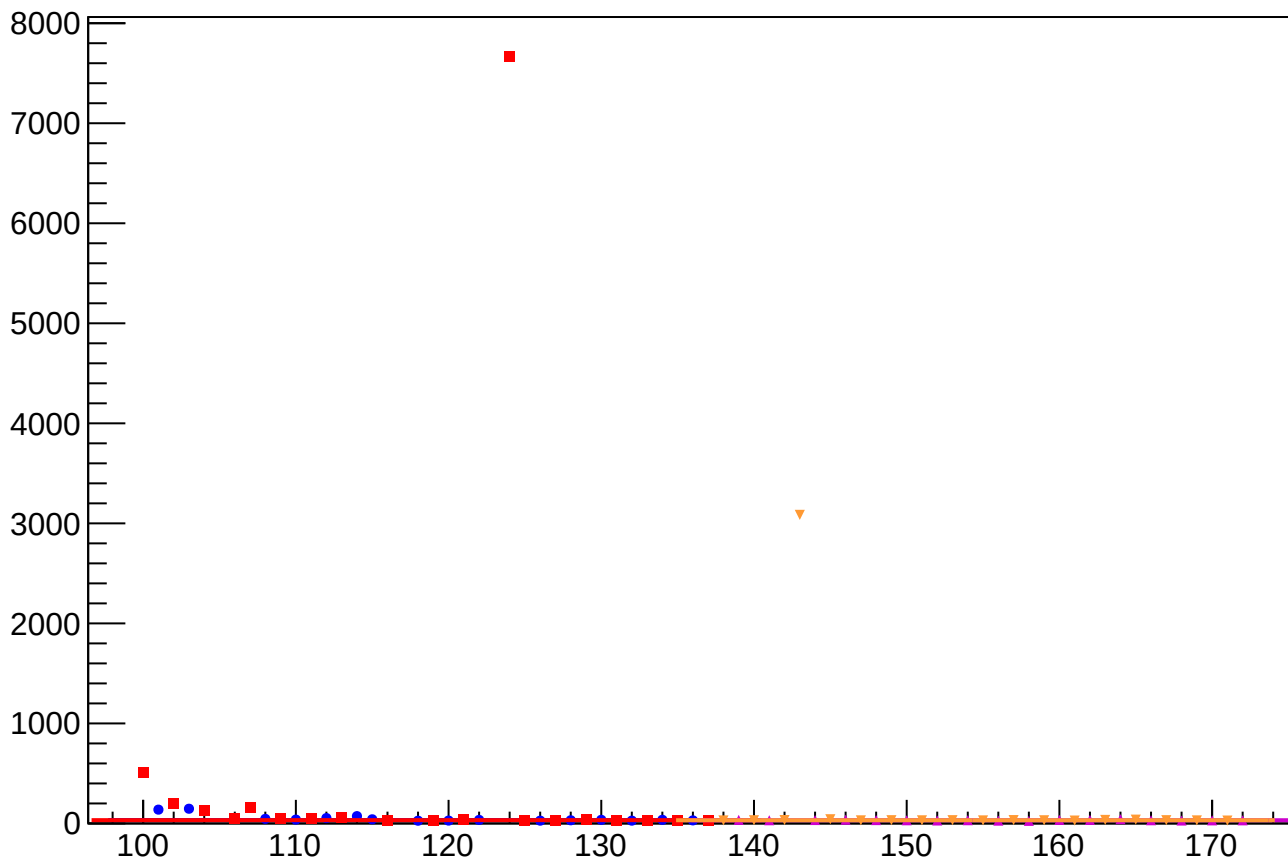
Left In: 0.006 ± 0.009 χ^2/NDF : 18.0/16

+ sign -0.006 ± 0.008 χ^2/NDF : 46.0/33

All: 0.001 ± 0.006 χ^2/NDF : 79.8/69

- sign 0.008 ± 0.008 χ^2/NDF : 32.3/35

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

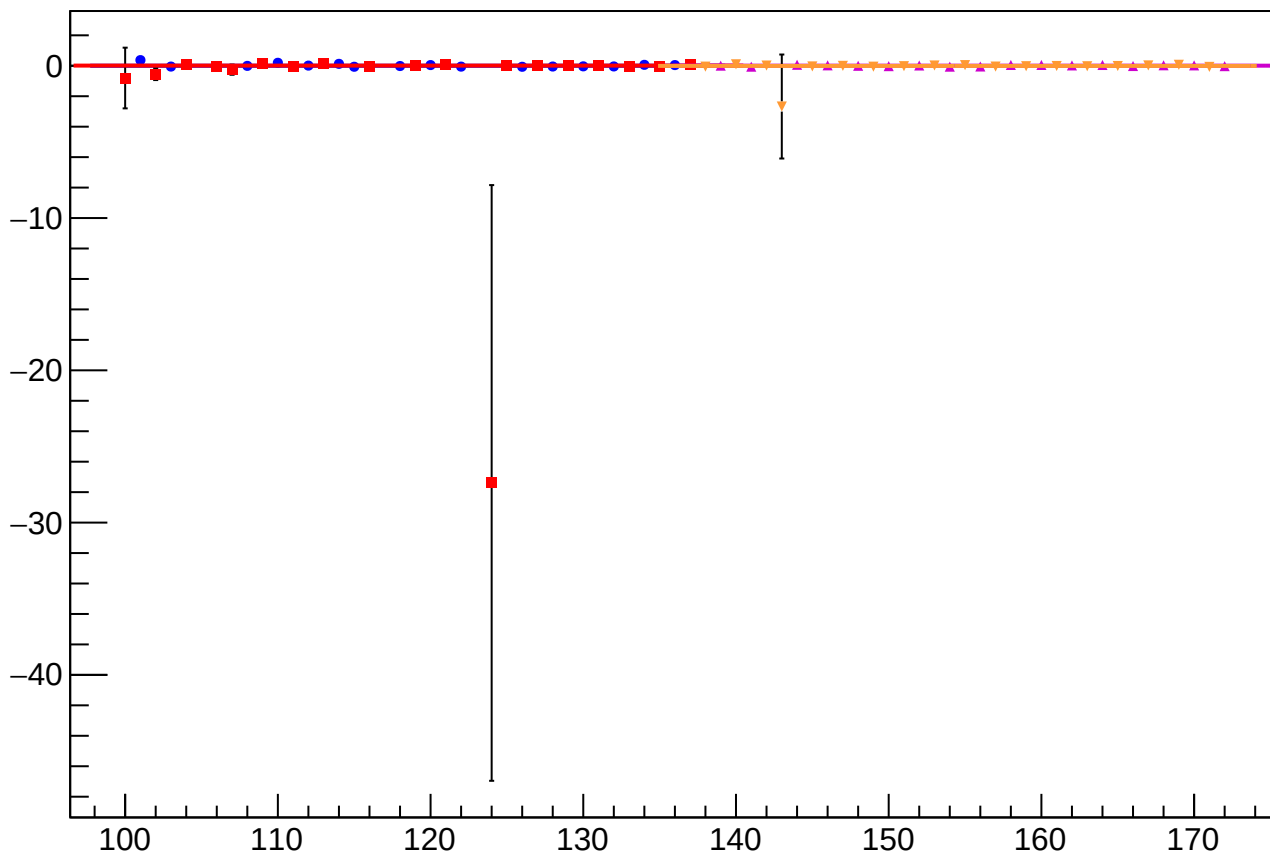
Left In: 32.231 ± 0.007 χ^2/NDF : 267689.2/16

+ sign 32.723 ± 0.006 χ^2/NDF : 3513393.5/33

All: 32.598 ± 0.004 χ^2/NDF : 5861880.1/69

- sign 32.474 ± 0.006 χ^2/NDF : 2347501.6/35

asym_at1_dd_eigen_dit_vs_eigen_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

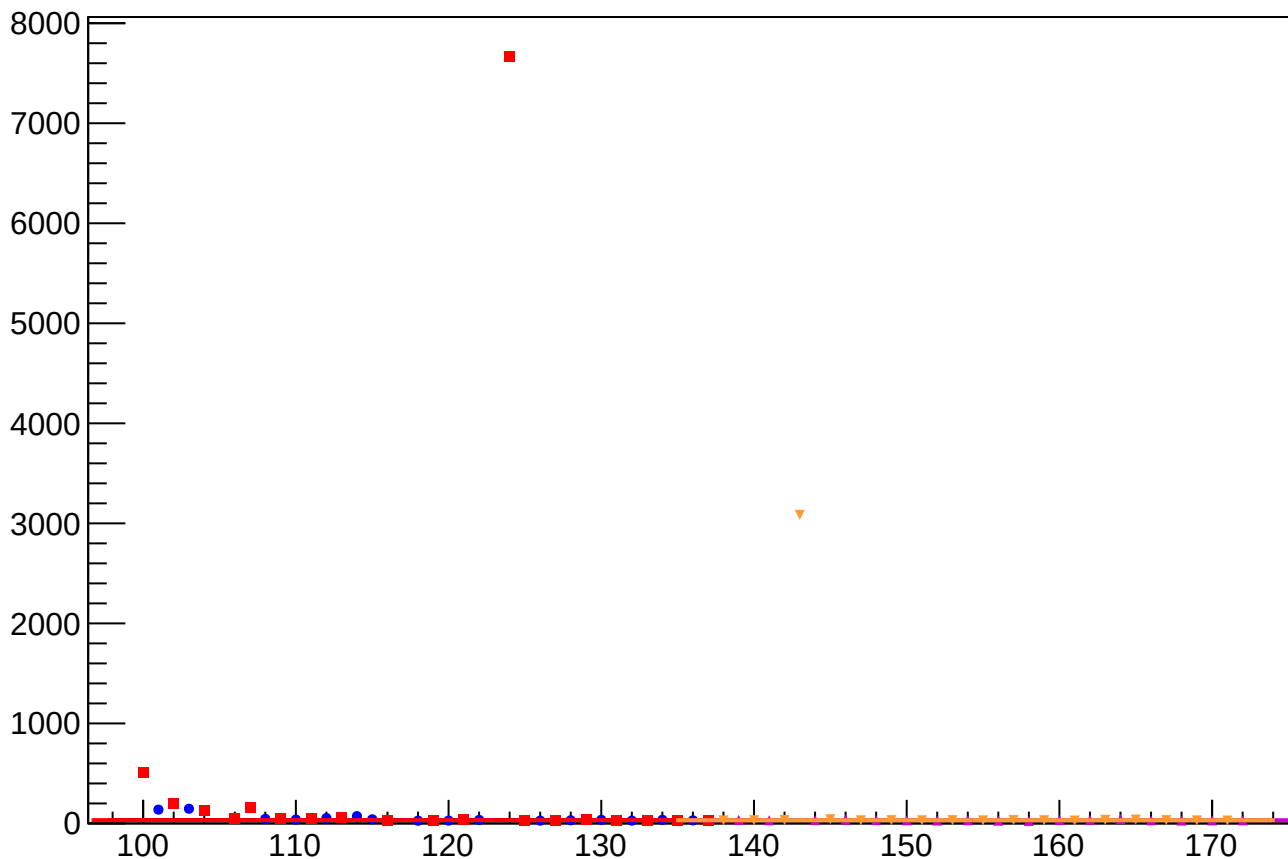
Left In: 0.006 ± 0.009 χ^2/NDF : 18.0/16

+ sign -0.006 ± 0.008 χ^2/NDF : 46.0/33

All: 0.001 ± 0.006 χ^2/NDF : 79.8/69

- sign 0.008 ± 0.008 χ^2/NDF : 32.3/35

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

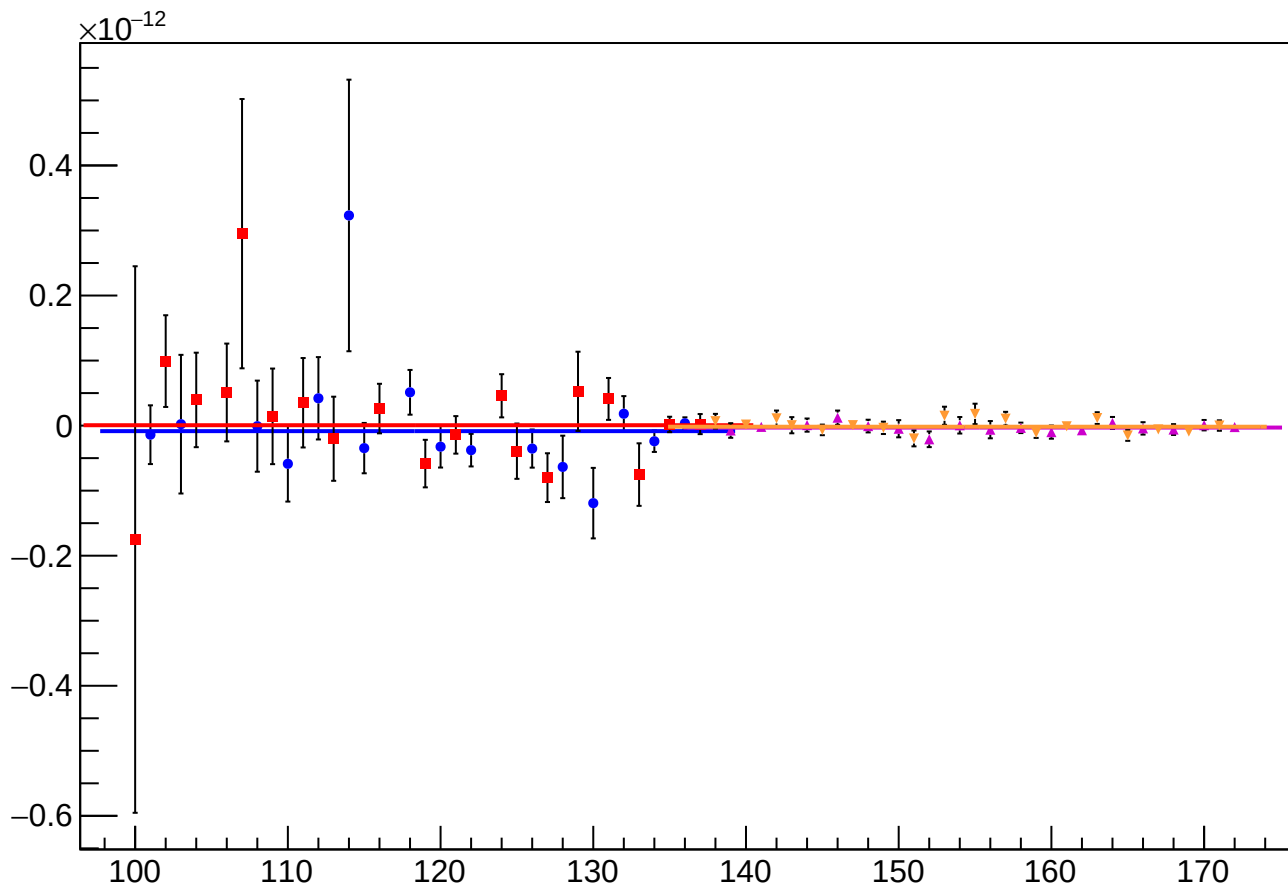
Left In: 32.231+/-0.007 χ^2/NDF : 267689.2/16

+ sign 32.723+/-0.006 χ^2/NDF : 3513393.5/33

All: 32.598+/-0.004 χ^2/NDF : 5861880.1/69

- sign 32.474+/-0.006 χ^2/NDF : 2347501.6/35

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.3/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.8/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.8/18

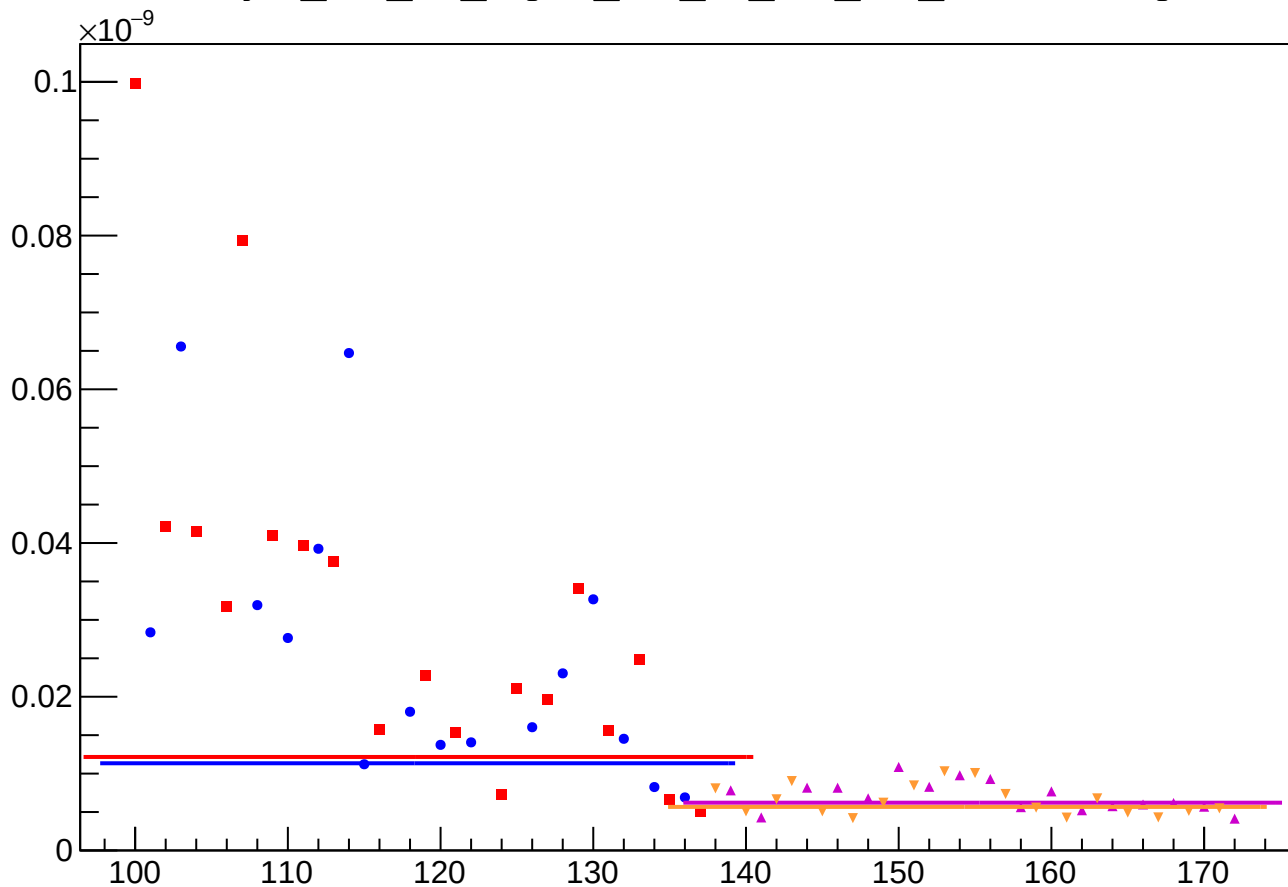
Left In: -0.000 ± 0.000 χ^2/NDF : 6.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 37.1/33

All: -0.000 ± 0.000 χ^2/NDF : 64.6/69

- sign -0.000 ± 0.000 χ^2/NDF : 27.5/35

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2813598.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1148012.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3757412.0/18

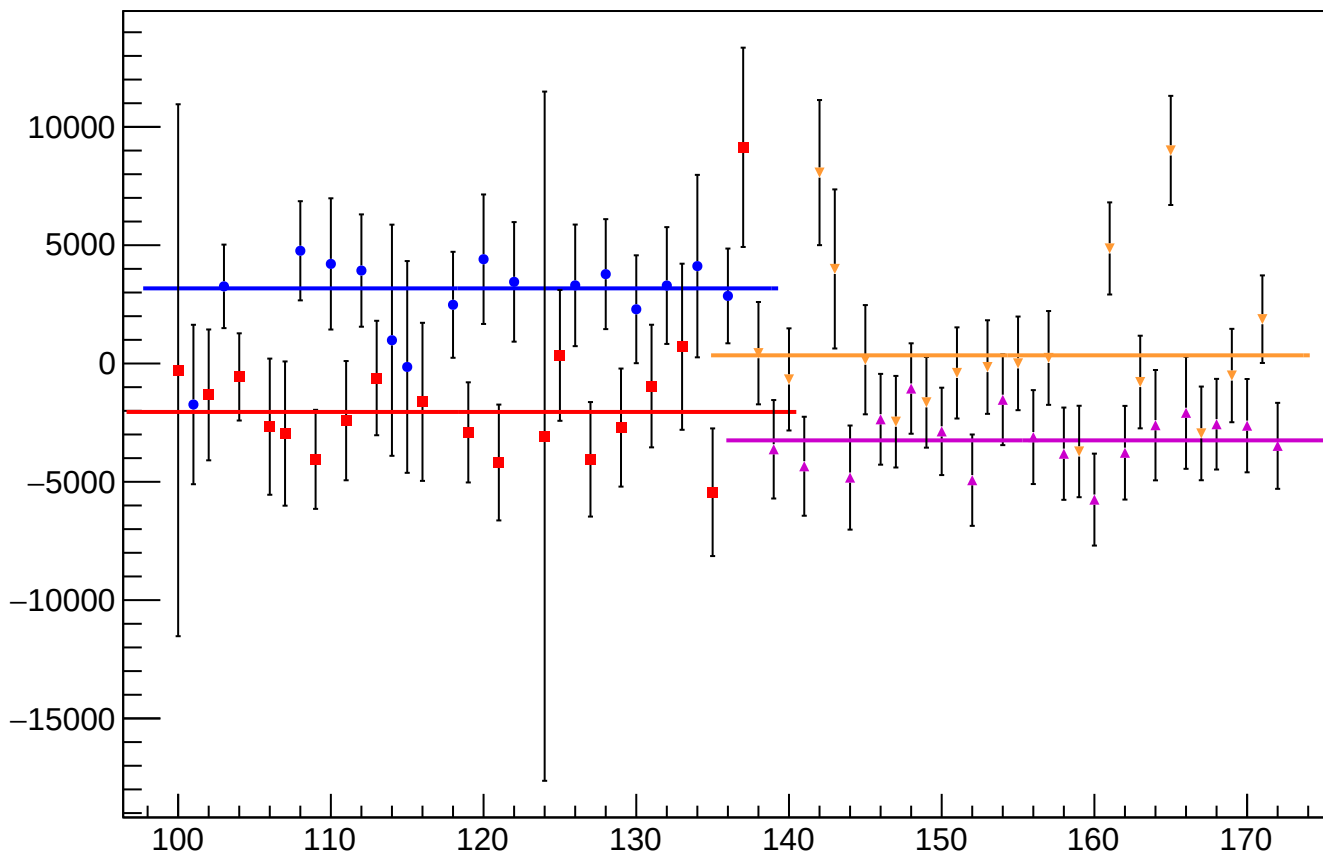
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1282272.9/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5390986.1/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 11731632.7/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6274406.7/35

reg_asym_at2_avg_mean vs Slug



Right In: 3175.599 ± 627.992 $\chi^2/\text{NDF}: 4.3/15$

Left Out: 345.682 ± 489.689 $\chi^2/\text{NDF}: 39.1/17$

Right Out: -2047.403 ± 621.498 $\chi^2/\text{NDF}: 14.0/18$

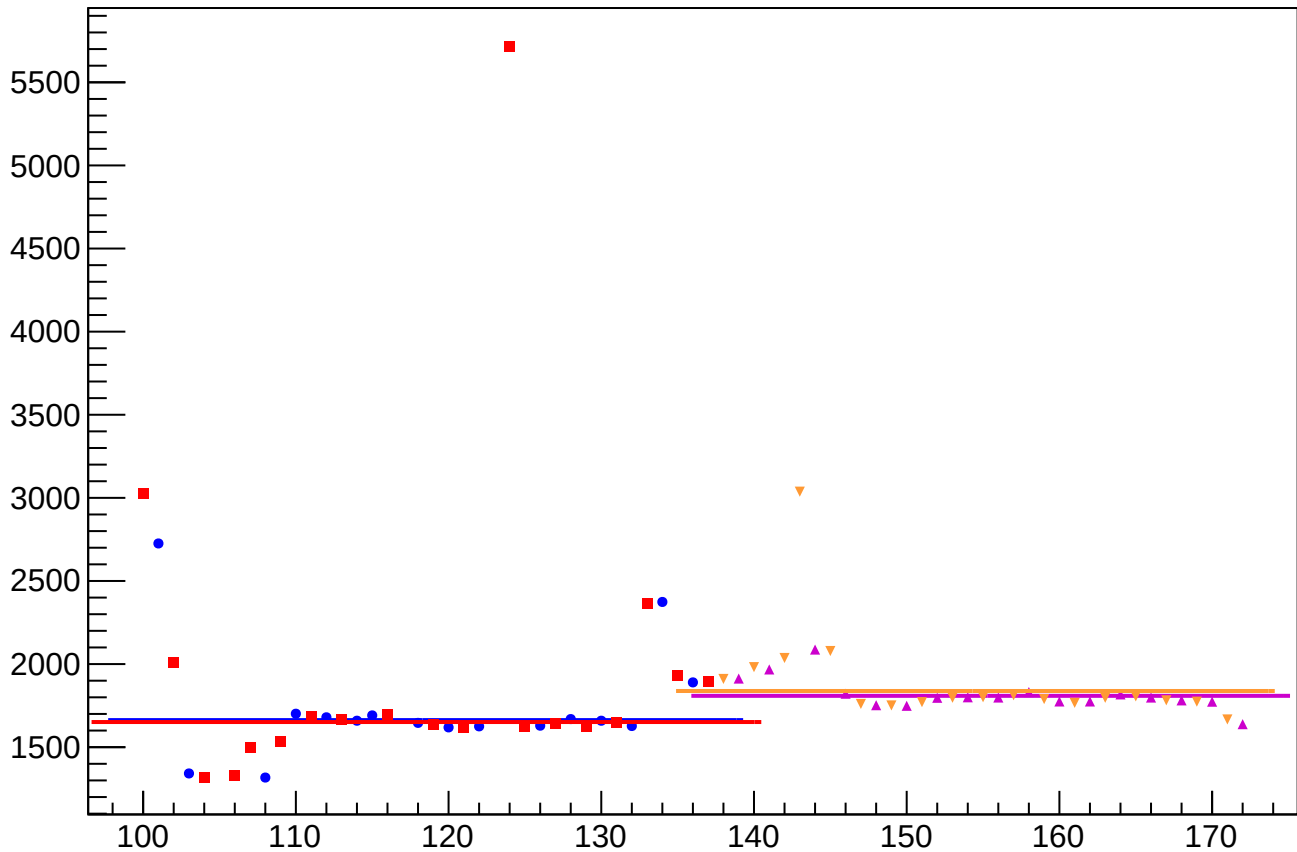
Left In: -3248.442 ± 483.539 $\chi^2/\text{NDF}: 6.3/16$

+ sign 1415.744 ± 386.164 $\chi^2/\text{NDF}: 56.0/33$

All: -714.736 ± 271.445 $\chi^2/\text{NDF}: 138.9/69$

- sign -2795.566 ± 381.638 $\chi^2/\text{NDF}: 22.7/35$

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

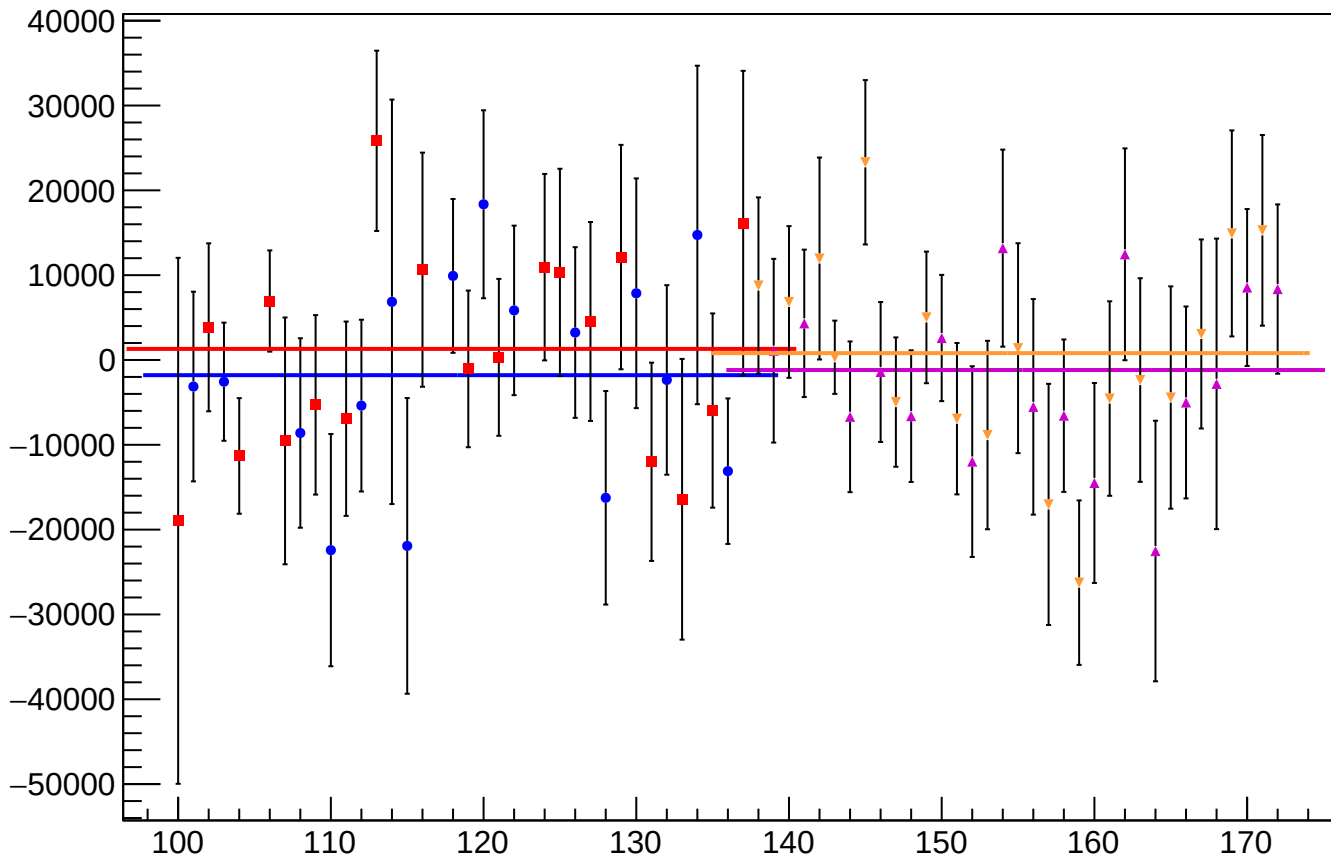
Left In: 1808.990 ± 0.342 χ^2/NDF : 72808.1/16

+ sign 1771.849 ± 0.273 χ^2/NDF : 845852.1/33

All: 1760.562 ± 0.192 χ^2/NDF : 1434184.9/69

- sign 1749.538 ± 0.270 χ^2/NDF : 584955.1/35

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1791.030 $\pm$ 2743.617 χ^2 /NDF: 14.3/15

Left Out: 807.482 $\pm$ 2167.801 χ^2 /NDF:22.6/17

Right Out: 1306.311 $\pm$ 2430.063 χ^2 /NDF: 17.7/18

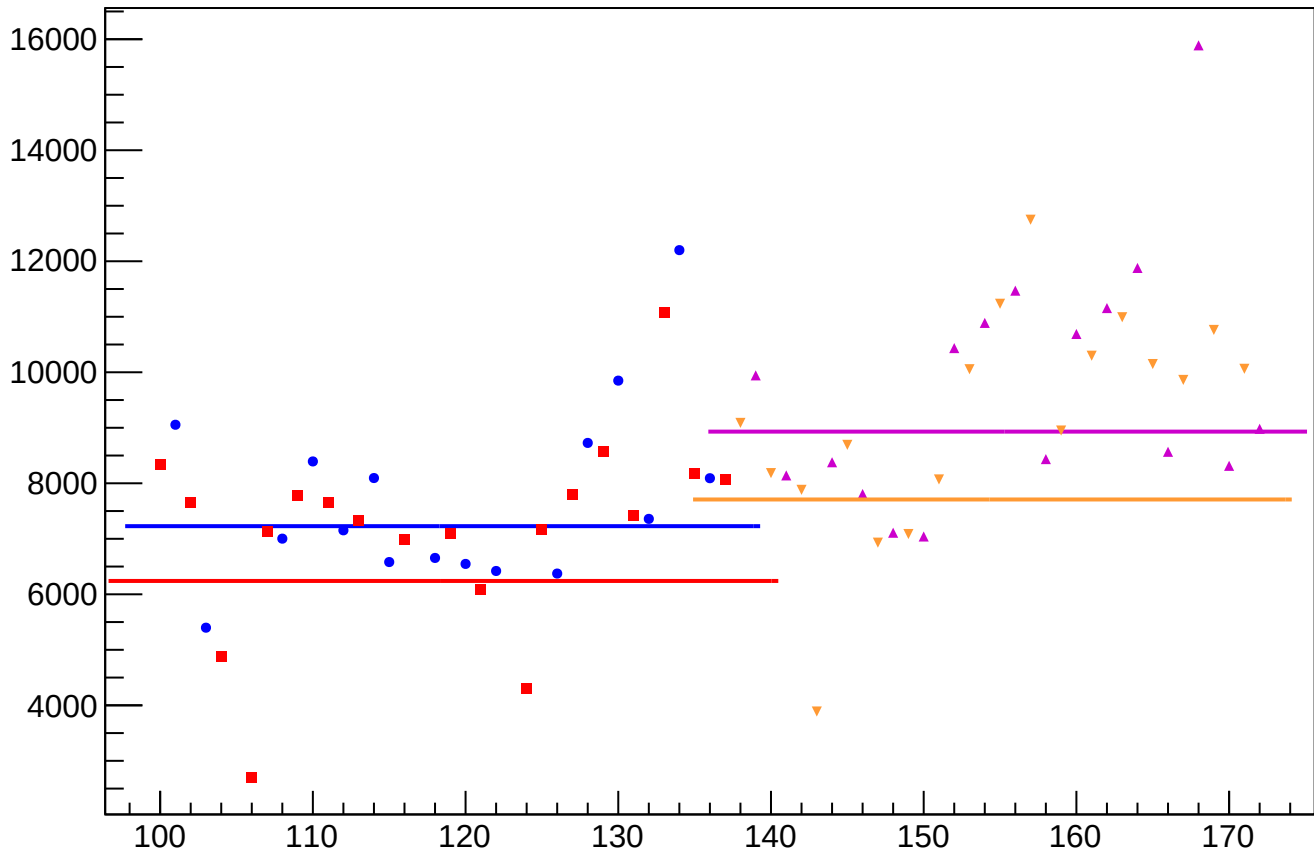
Left In: -1185.418 $\pm$ 2436.272 χ^2 /NDF:11.1/16

+ sign -191.255 $\pm$ 1700.931 χ^2 /NDF: 37.4/33

All: -65.273 $\pm$ 1209.601 χ^2 /NDF: 66.8/69

- sign 63.626 $\pm$ 1720.505 χ^2 /NDF: 29.3/35

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7227.590 $\pm$ 1.940 χ^2 /NDF: 503260.9/15

Left Out: 7708.277 $\pm$ 1.533 χ^2 /NDF: 2809494.3/17

Right Out: 6240.557 $\pm$ 1.718 χ^2 /NDF: 1399077.4/18

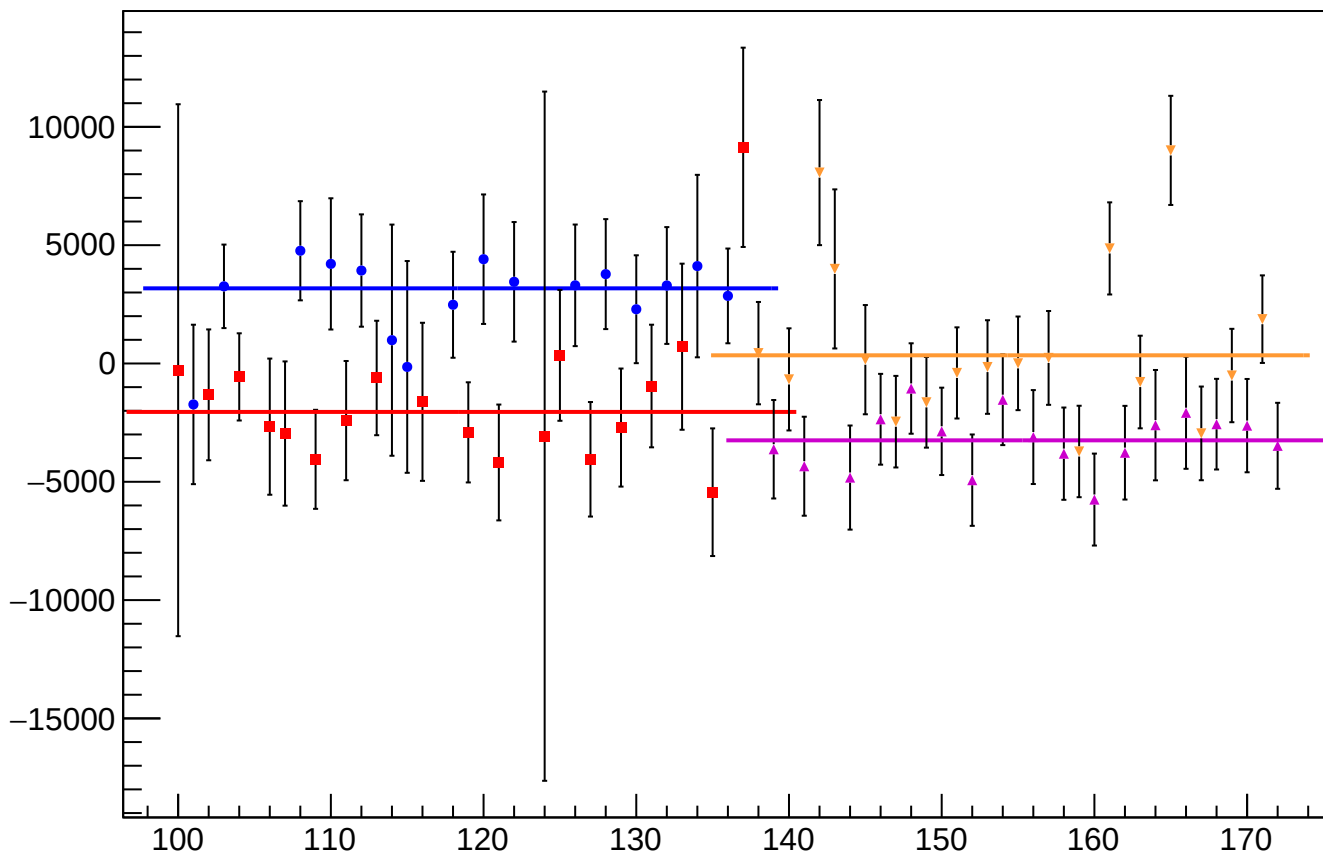
Left In: 8930.784 $\pm$ 1.723 χ^2 /NDF: 1019417.8/16

+ sign 7523.525 $\pm$ 1.203 χ^2 /NDF: 3350550.7/33

All: 7552.546 $\pm$ 0.855 χ^2 /NDF: 6992679.0/69

- sign 7582.238 $\pm$ 1.217 χ^2 /NDF: 3640950.4/35

cor_asym_at2_avg_mean vs Slug



Right In: 3175.689 $\pm$ 627.992 χ^2 /NDF: 4.3/15

Left Out: 345.572 $\pm$ 489.689 χ^2 /NDF:39.1/17

Right Out: -2047.209 $\pm$ 621.498 χ^2 /NDF: 14.0/18

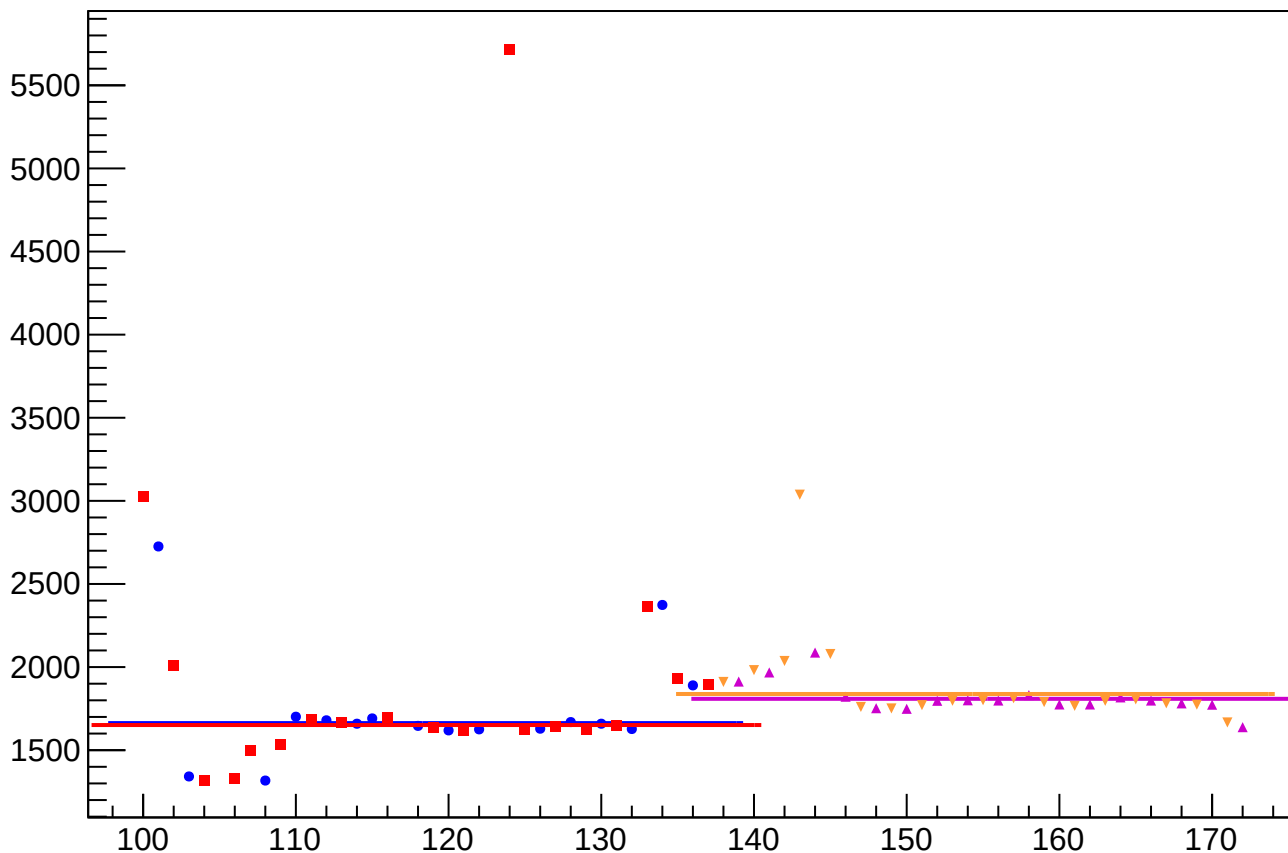
Left In: -3248.428 $\pm$ 483.539 χ^2 /NDF:6.3/16

+ sign 1415.710 $\pm$ 386.164 χ^2 /NDF: 56.0/33

All: -714.711 $\pm$ 271.445 χ^2 /NDF: 138.9/69

- sign -2795.484 $\pm$ 381.638 χ^2 /NDF: 22.7/35

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

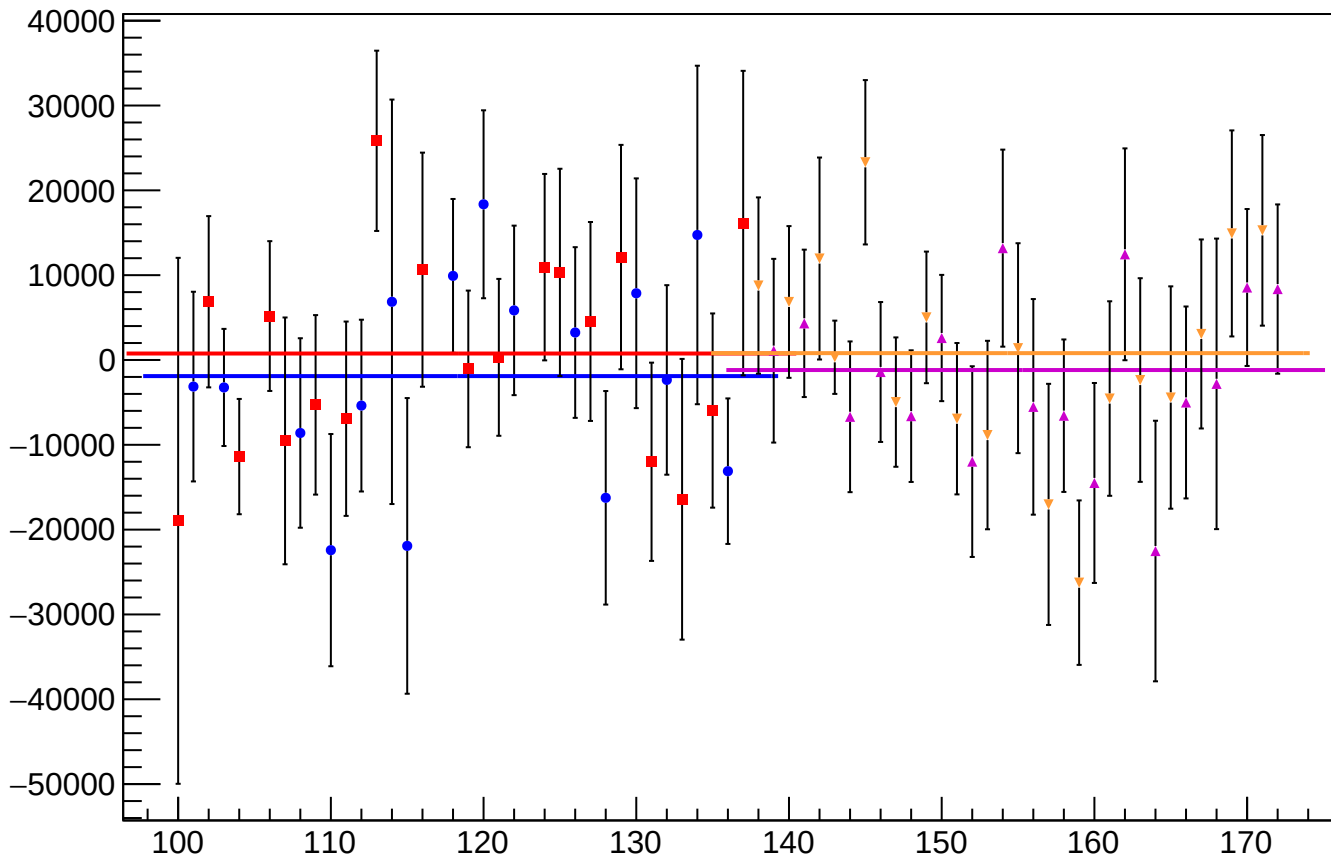
Left In: 1808.990+/-0.342 χ^2/NDF : 72808.1/16

+ sign 1771.849+/-0.273 χ^2/NDF : 845852.6/33

All: 1760.562+/-0.192 χ^2/NDF : 1434185.7/69

- sign 1749.538+/-0.270 χ^2/NDF : 584955.4/35

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1900.125 ± 2739.954 $\chi^2/\text{NDF}: 14.4/15$

Left Out: 807.389 ± 2167.794 $\chi^2/\text{NDF}: 22.6/17$

Right Out: 762.513 ± 2549.943 $\chi^2/\text{NDF}: 17.3/18$

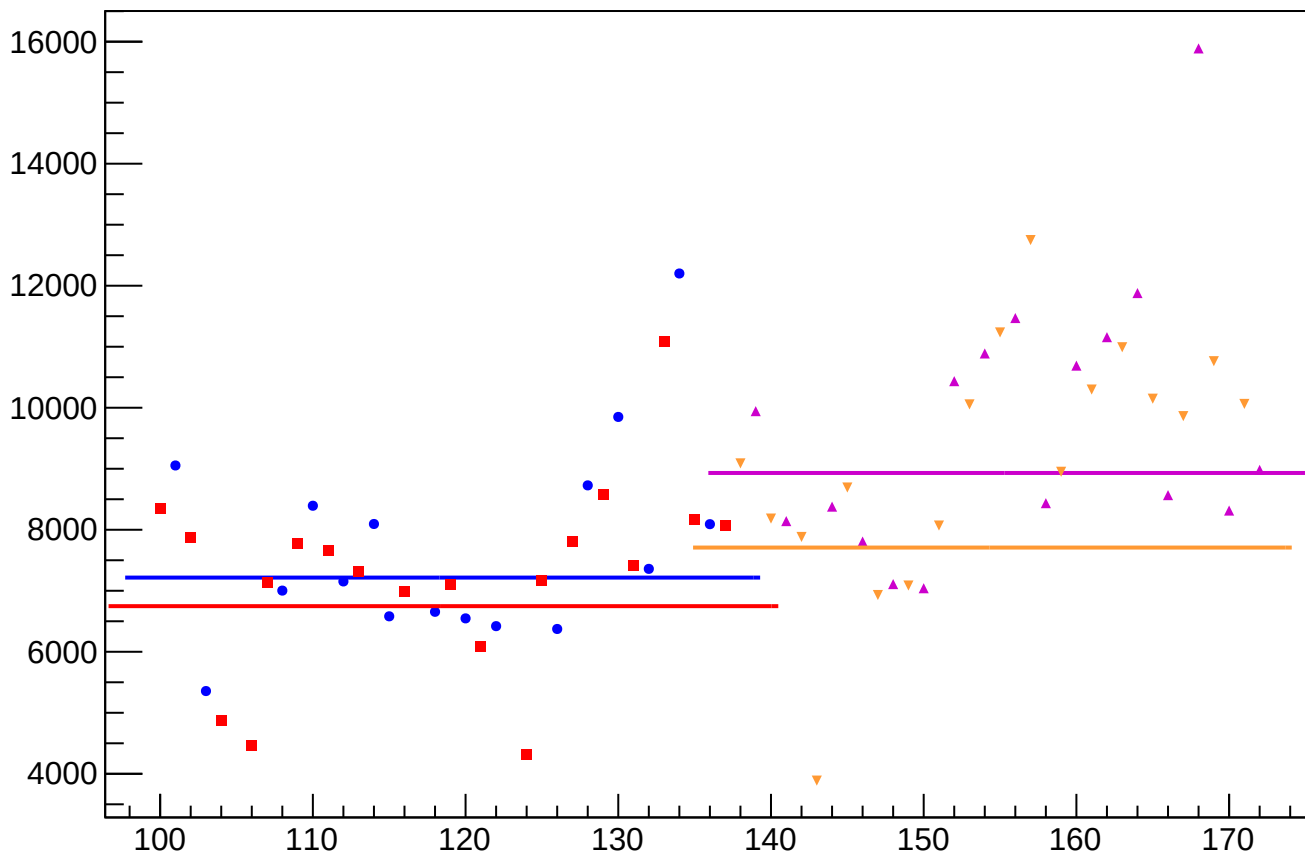
Left In: -1185.483 ± 2436.270 $\chi^2/\text{NDF}: 11.1/16$

+ sign -234.951 ± 1700.054 $\chi^2/\text{NDF}: 37.5/33$

All: -245.040 ± 1223.272 $\chi^2/\text{NDF}: 66.2/69$

- sign -255.871 ± 1761.519 $\chi^2/\text{NDF}: 28.6/35$

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7216.029 $\pm$ 1.937 χ^2 /NDF: 512126.4/15

Left Out: 7708.242 $\pm$ 1.533 χ^2 /NDF: 2809558.0/17

Right Out: 6747.736 $\pm$ 1.803 χ^2 /NDF: 708793.3/18

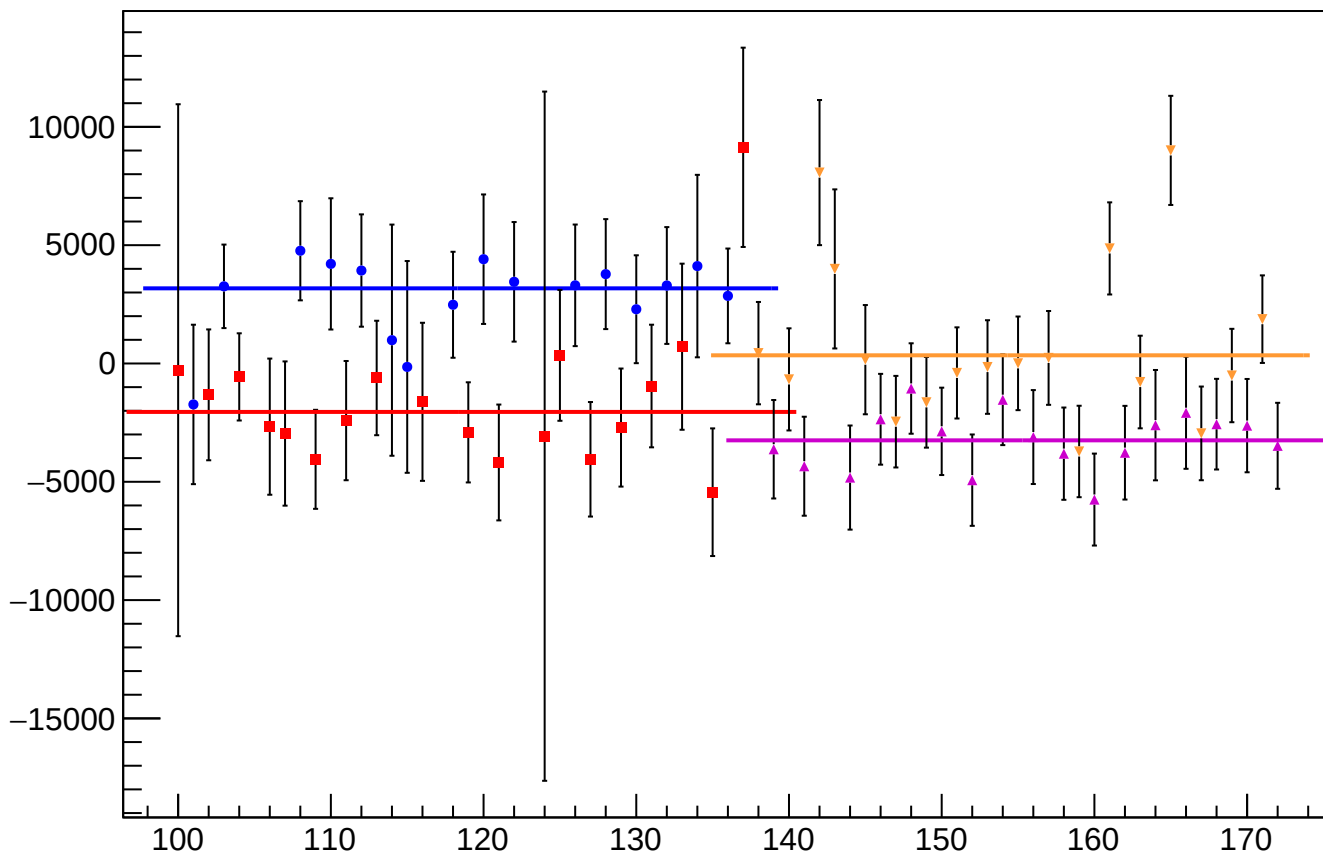
Left In: 8930.776 $\pm$ 1.723 χ^2 /NDF: 1019422.7/16

+ sign 7518.750 $\pm$ 1.202 χ^2 /NDF: 3361379.6/33

All: 7697.302 $\pm$ 0.865 χ^2 /NDF: 5901673.0/69

- sign 7888.998 $\pm$ 1.246 χ^2 /NDF: 2494546.4/35

eigen_cor_asym_at2_avg_mean vs Slug



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

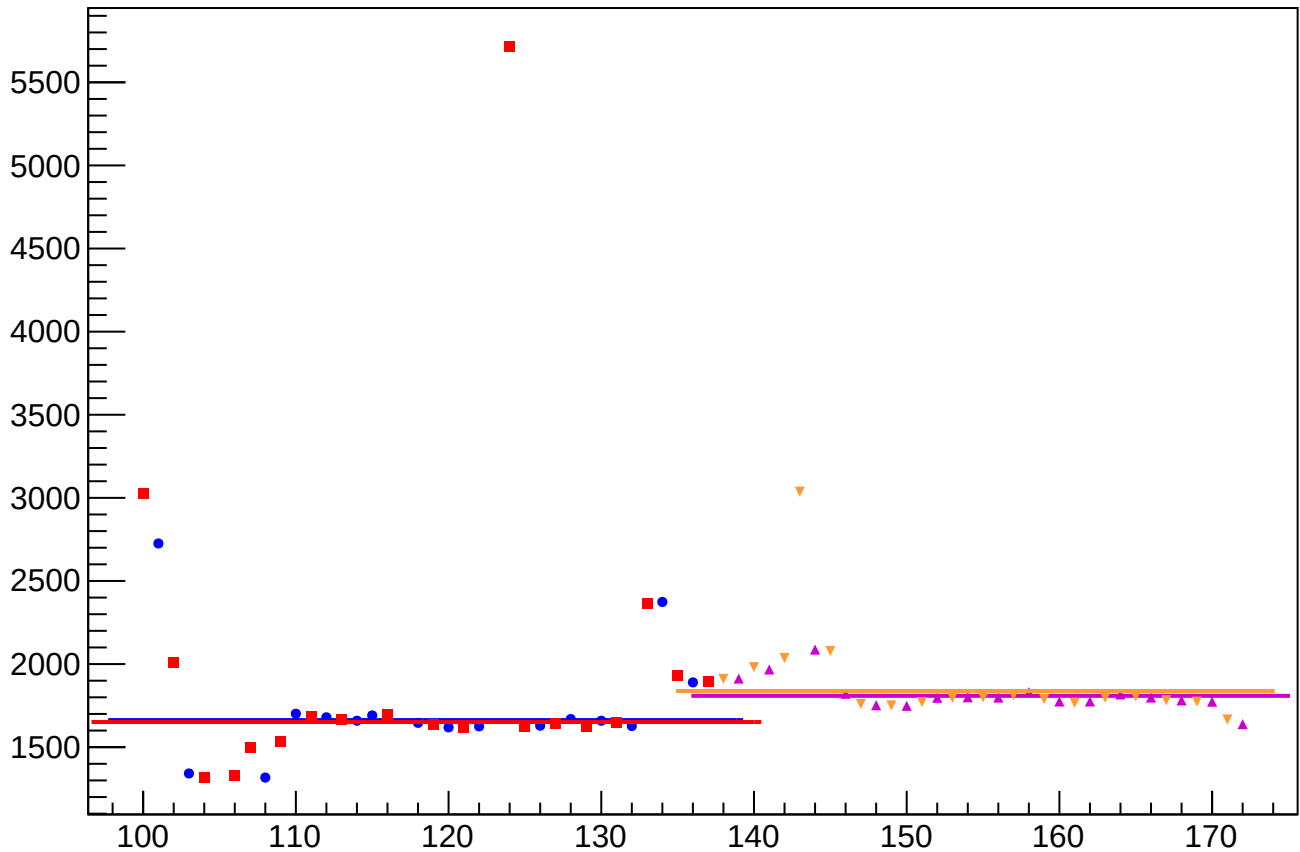
Left In: -3248.428 ± 483.539 χ^2/NDF : 6.3/16

+ sign 1415.710 ± 386.164 χ^2/NDF : 56.0/33

All: -714.711 ± 271.445 χ^2/NDF : 138.9/69

- sign -2795.484 ± 381.638 χ^2/NDF : 22.7/35

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1662.901 $\pm$ 0.444 χ^2 /NDF: 415631.0/15

Left Out: 1838.094 $\pm$ 0.346 χ^2 /NDF: 333425.5/17

Right Out: 1651.322 $\pm$ 0.439 χ^2 /NDF: 431965.2/18

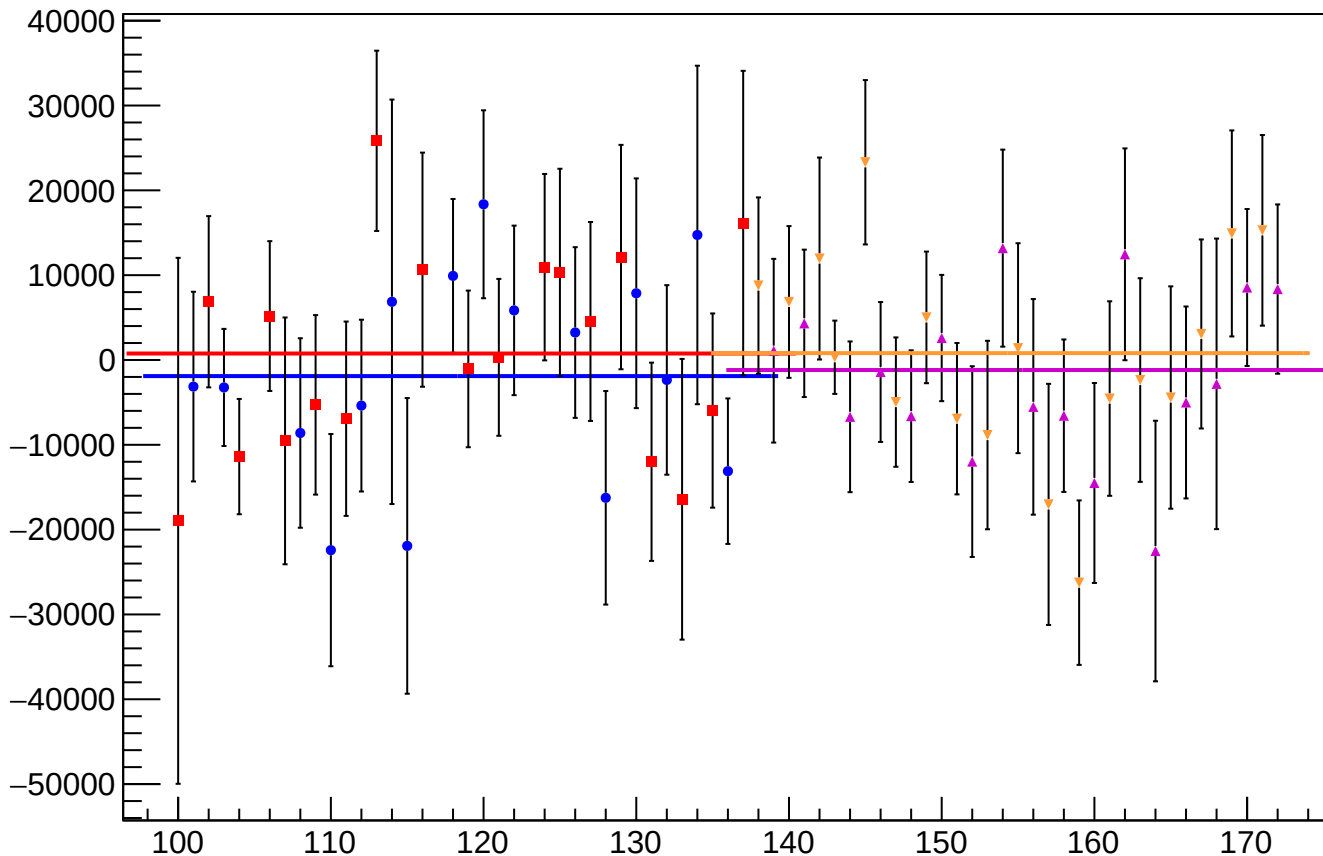
Left In: 1808.990 $\pm$ 0.342 χ^2 /NDF: 72808.1/16

+ sign 1771.849 $\pm$ 0.273 χ^2 /NDF: 845852.6/33

All: 1760.562 $\pm$ 0.192 χ^2 /NDF: 1434185.7/69

- sign 1749.538 $\pm$ 0.270 χ^2 /NDF: 584955.4/35

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1900.125 ± 2739.954 $\chi^2/\text{NDF}: 14.4/15$

Left Out: 807.389 ± 2167.794 $\chi^2/\text{NDF}: 22.6/17$

Right Out: 762.513 ± 2549.943 $\chi^2/\text{NDF}: 17.3/18$

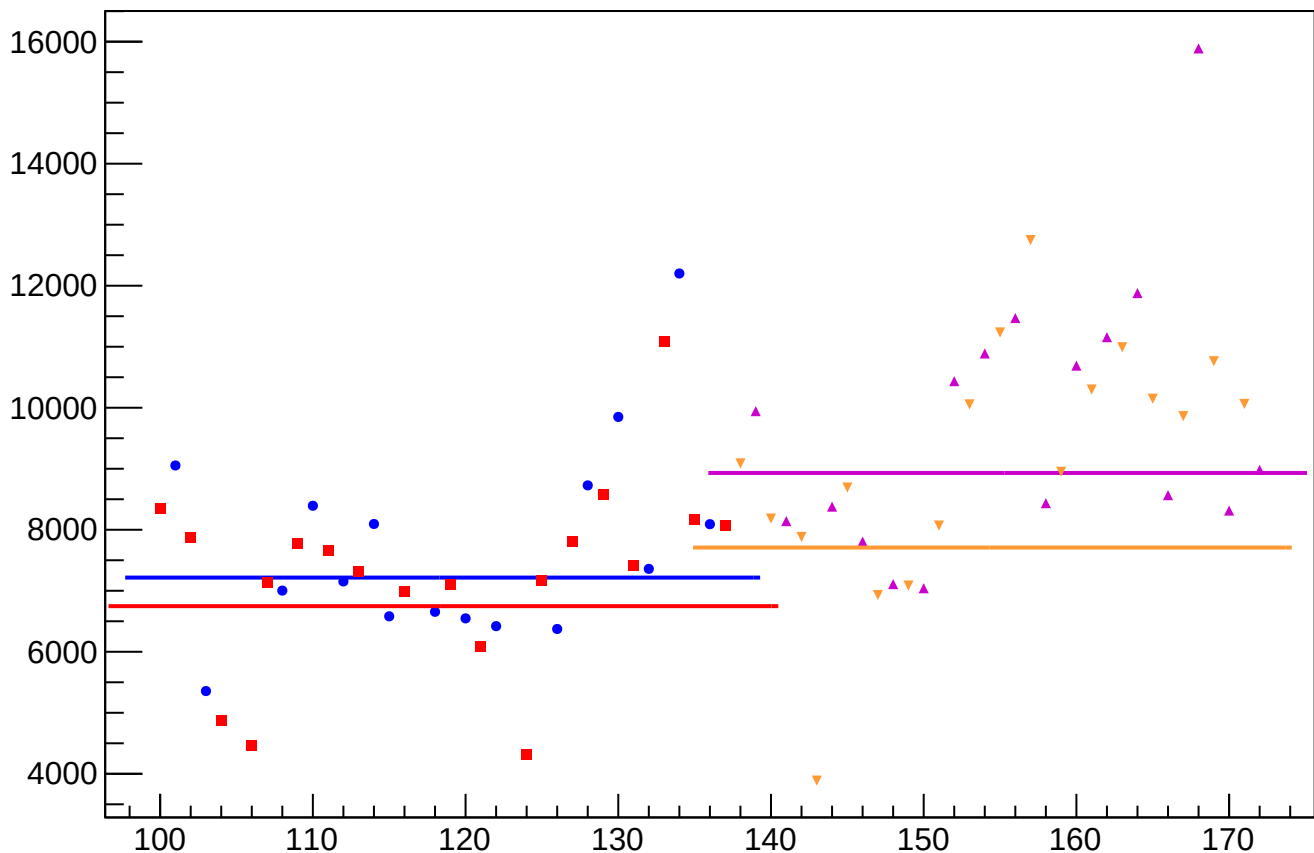
Left In: -1185.483 ± 2436.270 $\chi^2/\text{NDF}: 11.1/16$

+ sign -234.951 ± 1700.054 $\chi^2/\text{NDF}: 37.5/33$

All: -245.040 ± 1223.272 $\chi^2/\text{NDF}: 66.2/69$

- sign -255.871 ± 1761.519 $\chi^2/\text{NDF}: 28.6/35$

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

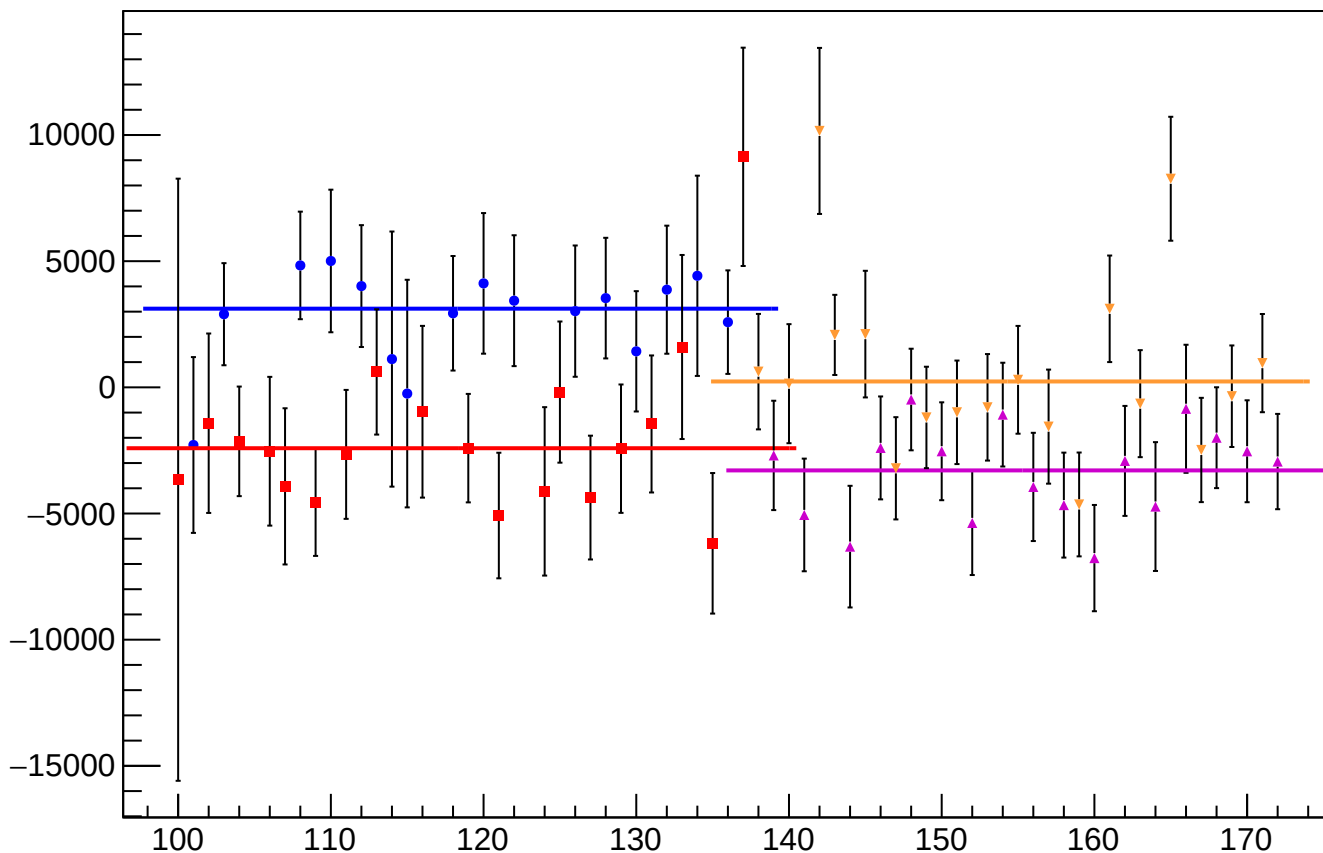
Left In: 8930.776 ± 1.723 χ^2/NDF : 1019422.7/16

+ sign 7518.750 ± 1.202 χ^2/NDF : 3361379.6/33

All: 7697.302 ± 0.865 χ^2/NDF : 5901673.0/69

- sign 7888.998 ± 1.246 χ^2/NDF : 2494546.4/35

dit_asym_at2_avg_mean vs Slug



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

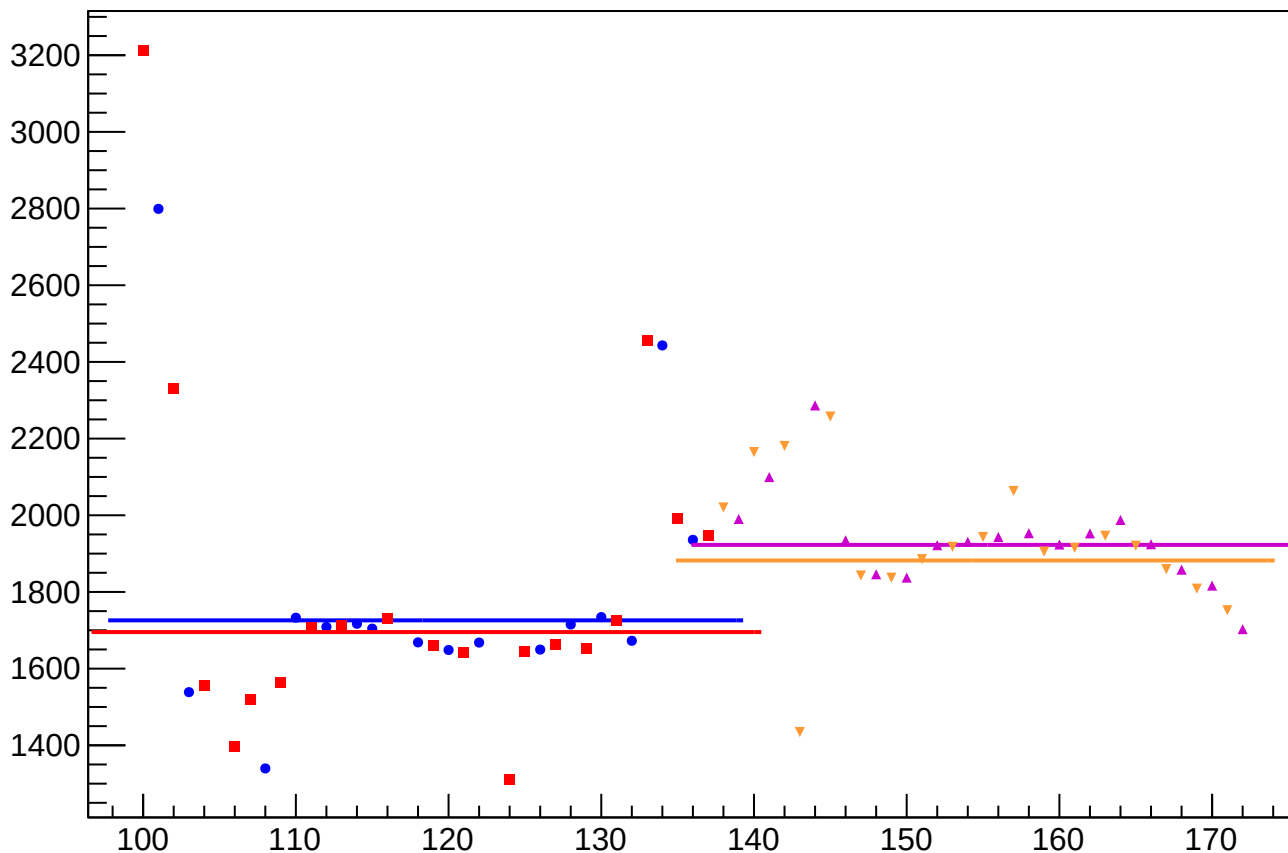
Left In: -3291.679 ± 514.379 χ^2/NDF : 11.9/16

+ sign 1306.488 ± 397.160 χ^2/NDF : 53.6/33

All: -800.919 ± 282.075 χ^2/NDF : 139.4/69

- sign -2945.988 ± 400.693 χ^2/NDF : 29.0/35

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

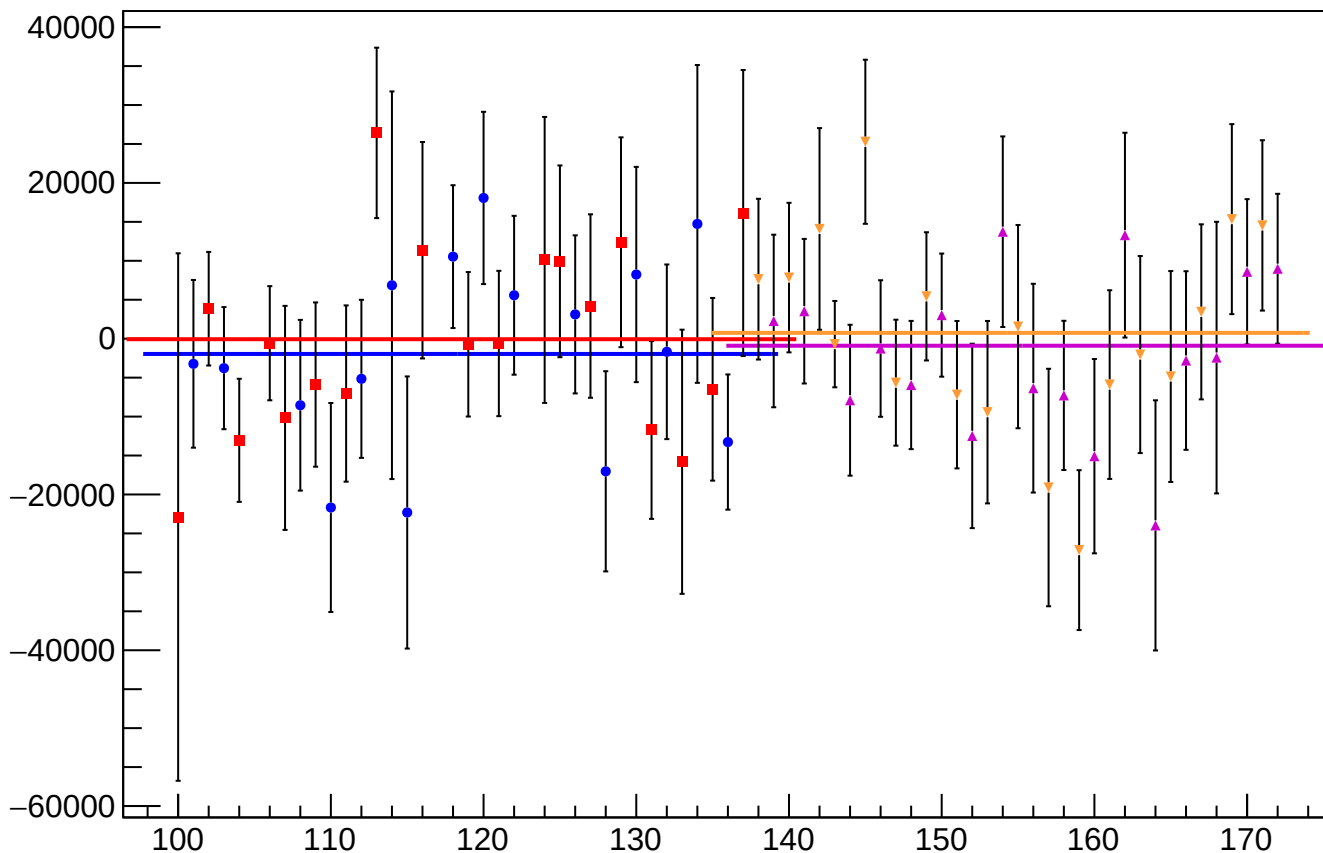
Left In: 1922.774+/-0.364 χ^2/NDF : 103954.7/16

+ sign 1823.987+/-0.281 χ^2/NDF : 725773.7/33

All: 1828.617+/-0.199 χ^2/NDF : 1269638.6/69

- sign 1833.329+/-0.283 χ^2/NDF : 543316.5/35

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1958.559 $\pm$ 2798.309 χ^2/NDF : 14.4/15

Left Out: 748.306 $\pm$ 2373.753 χ^2/NDF : 22.6/17

Right Out: -68.156 $\pm$ 2529.527 χ^2/NDF : 16.1/18

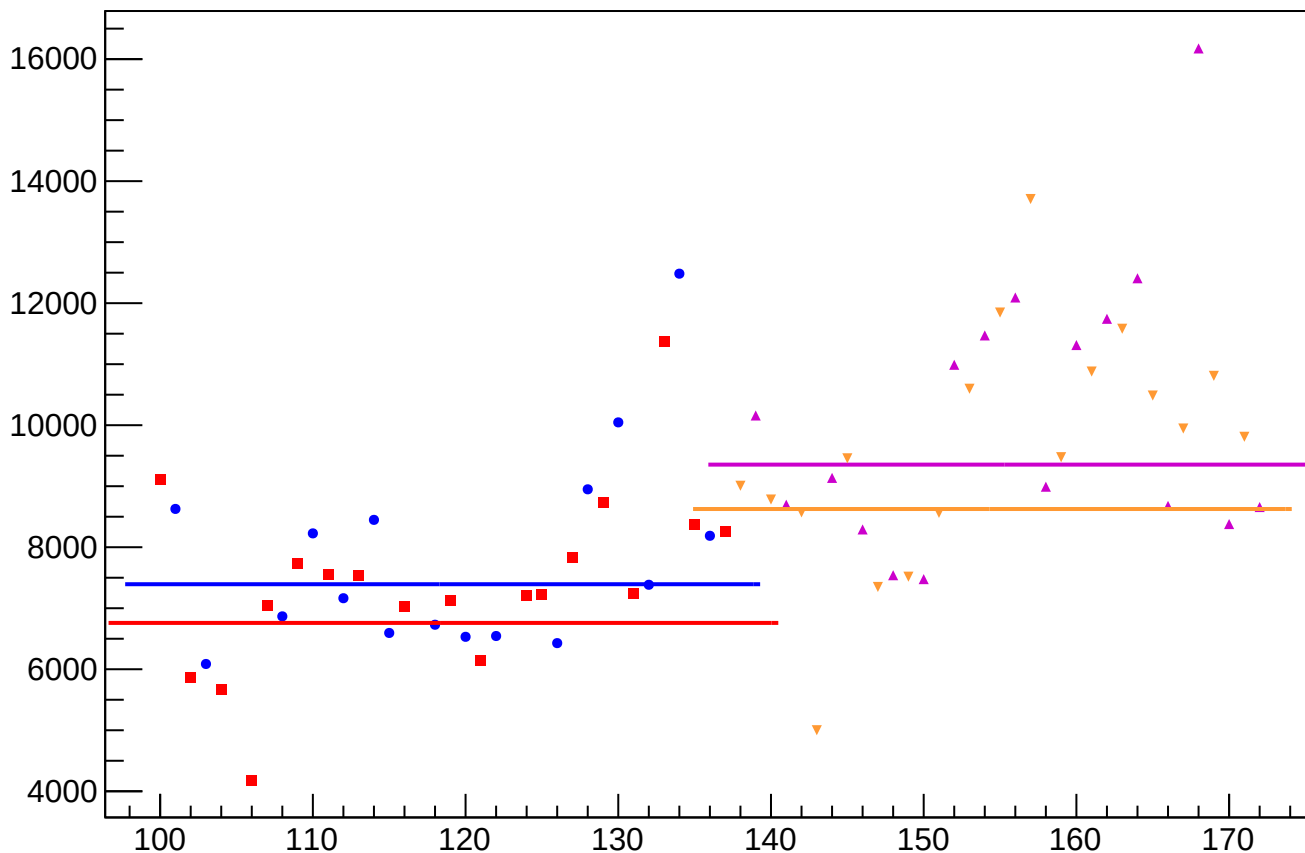
Left In: -903.073 $\pm$ 2550.096 χ^2/NDF : 11.1/16

+ sign -384.417 $\pm$ 1810.190 χ^2/NDF : 37.6/33

All: -433.714 $\pm$ 1274.906 χ^2/NDF : 64.8/69

- sign -482.234 $\pm$ 1795.874 χ^2/NDF : 27.3/35

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7393.622 ± 1.979 χ^2/NDF : 401826.8/15

Left Out: 8626.393 ± 1.678 χ^2/NDF : 1703069.3/17

Right Out: 6759.428 ± 1.789 χ^2/NDF : 644290.9/18

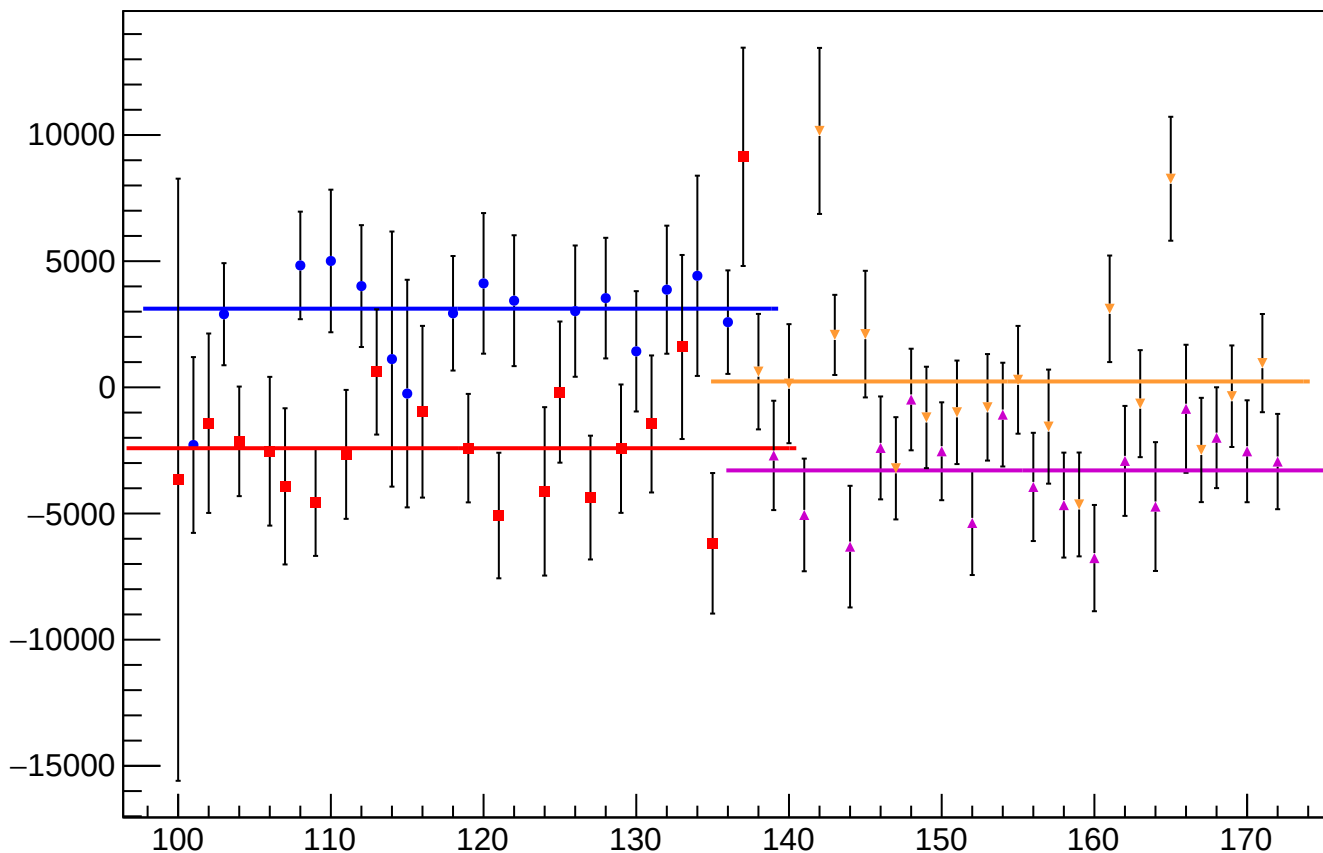
Left In: 9353.948 ± 1.803 χ^2/NDF : 978519.7/16

+ sign 8110.524 ± 1.280 χ^2/NDF : 2330621.7/33

All: 8078.098 ± 0.901 χ^2/NDF : 4998233.5/69

- sign 8046.182 ± 1.270 χ^2/NDF : 2666338.3/35

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3117.882 $\pm$ 651.118 χ^2 /NDF: 5.3/15

Left Out: 233.225 $\pm$ 501.194 χ^2 /NDF:35.9/17

Right Out: -2412.481 $\pm$ 639.018 χ^2 /NDF: 16.0/18

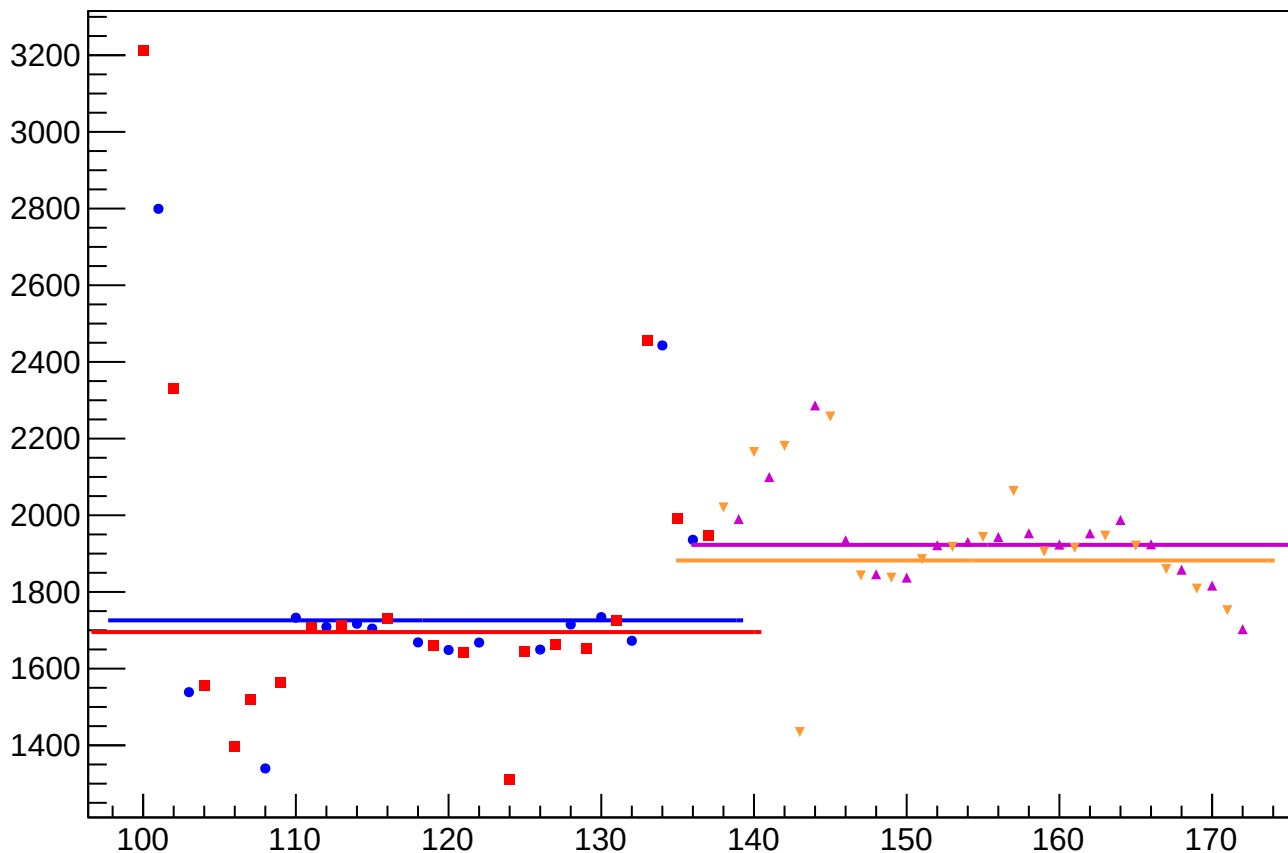
Left In: -3291.681 $\pm$ 514.380 χ^2 /NDF:11.9/16

+ sign 1306.486 $\pm$ 397.160 χ^2 /NDF: 53.6/33

All: -800.922 $\pm$ 282.075 χ^2 /NDF: 139.4/69

- sign -2945.992 $\pm$ 400.693 χ^2 /NDF: 29.0/35

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

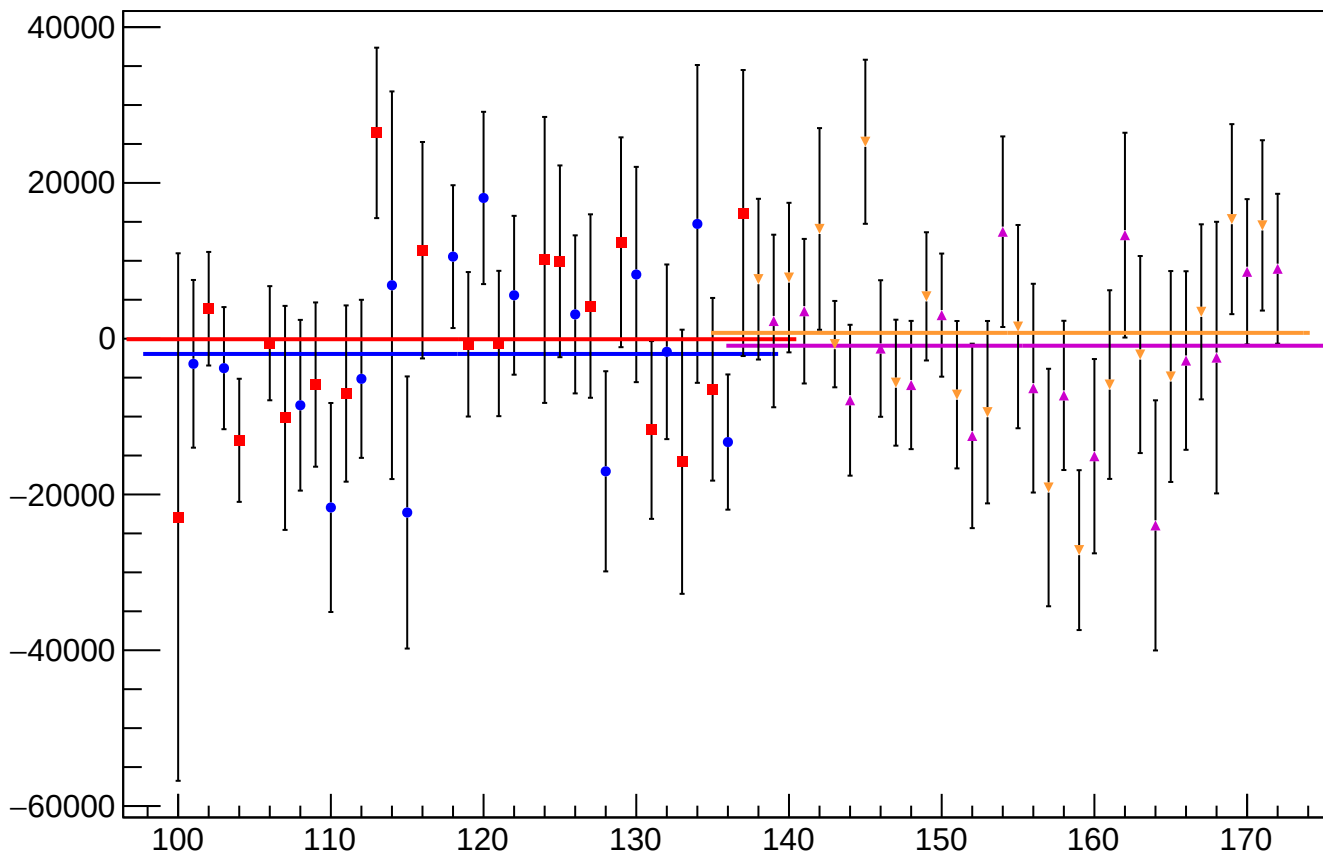
Left In: 1922.777+/-0.364 χ^2/NDF : 103957.5/16

+ sign 1823.988+/-0.281 χ^2/NDF : 725779.4/33

All: 1828.618+/-0.199 χ^2/NDF : 1269651.4/69

- sign 1833.330+/-0.283 χ^2/NDF : 543323.5/35

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1958.538 $\pm$ 2798.302 χ^2/NDF : 14.4/15

Left Out: 748.300 $\pm$ 2373.757 χ^2/NDF : 22.6/17

Right Out: -68.163 $\pm$ 2529.521 χ^2/NDF : 16.1/18

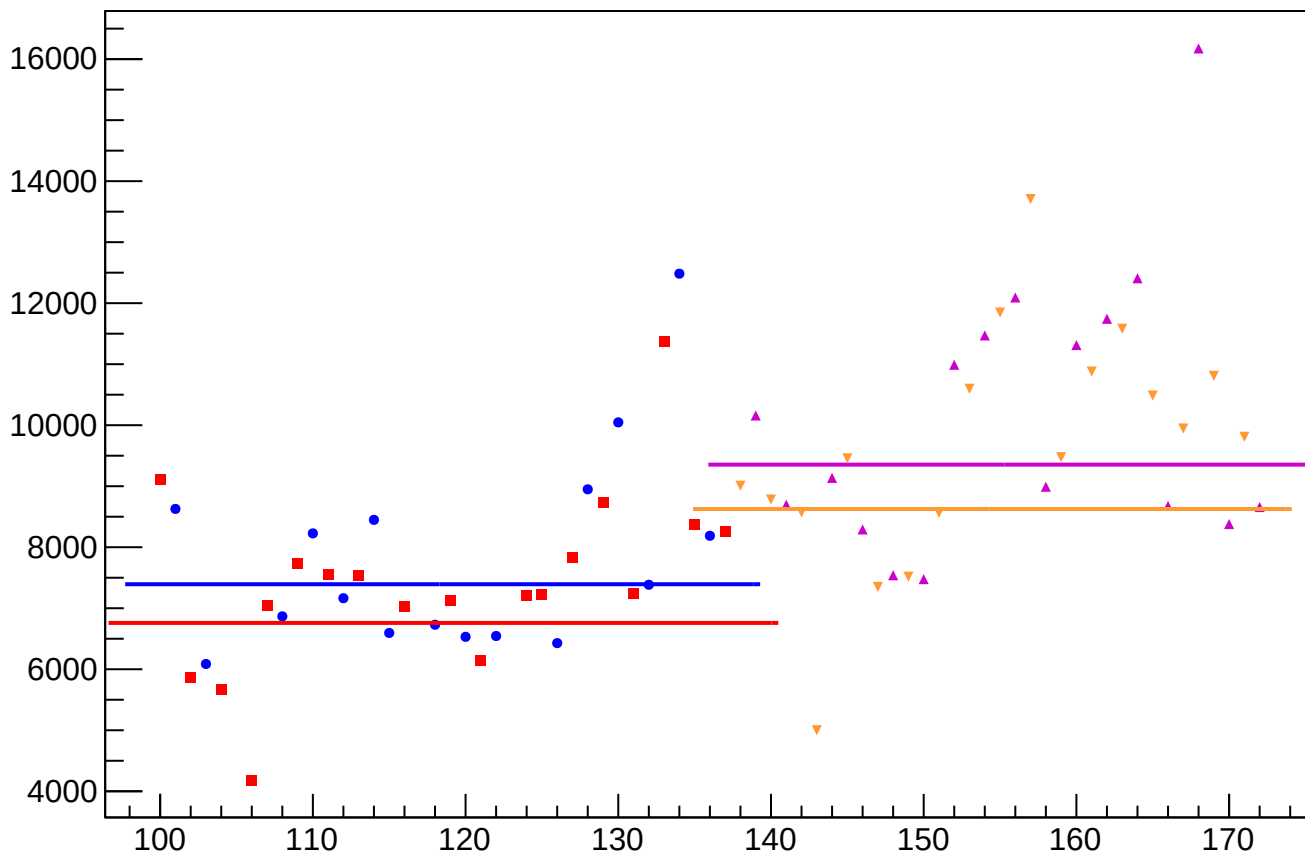
Left In: -903.071 $\pm$ 2550.100 χ^2/NDF : 11.1/16

+ sign -384.417 $\pm$ 1810.190 χ^2/NDF : 37.6/33

All: -433.714 $\pm$ 1274.906 χ^2/NDF : 64.8/69

- sign -482.235 $\pm$ 1795.873 χ^2/NDF : 27.3/35

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7393.605 $\pm$ 1.979 χ^2 /NDF: 401829.0/15

Left Out: 8626.407 $\pm$ 1.678 χ^2 /NDF:1703069.6/17

Right Out: 6759.413 $\pm$ 1.789 χ^2 /NDF: 644289.7/18

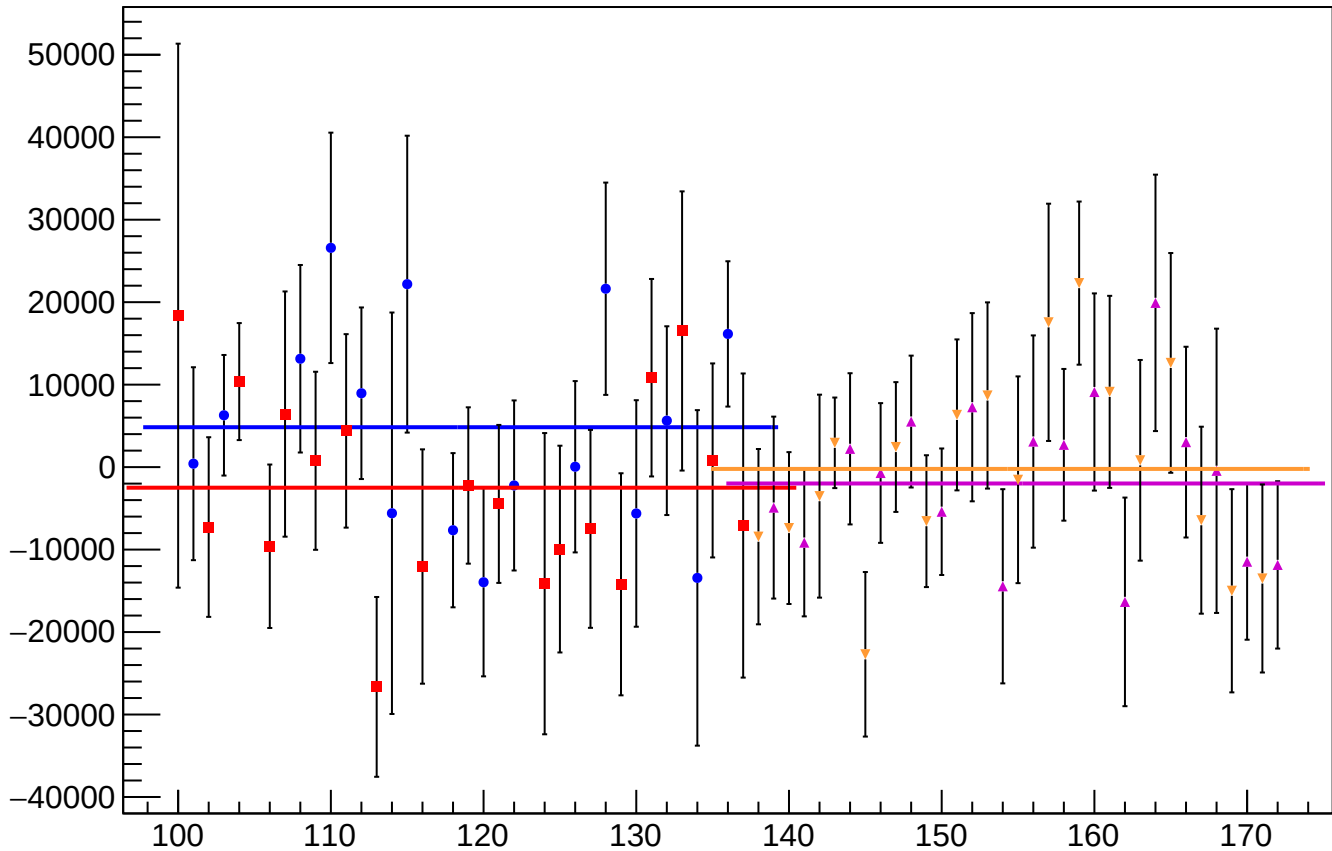
Left In: 9353.961 $\pm$ 1.803 χ^2 /NDF:978521.7/16

+ sign 8110.522 $\pm$ 1.280 χ^2 /NDF: 2330635.8/33

All: 8078.094 $\pm$ 0.901 χ^2 /NDF: 4998271.4/69

- sign 8046.176 $\pm$ 1.270 χ^2 /NDF: 2666362.0/35

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

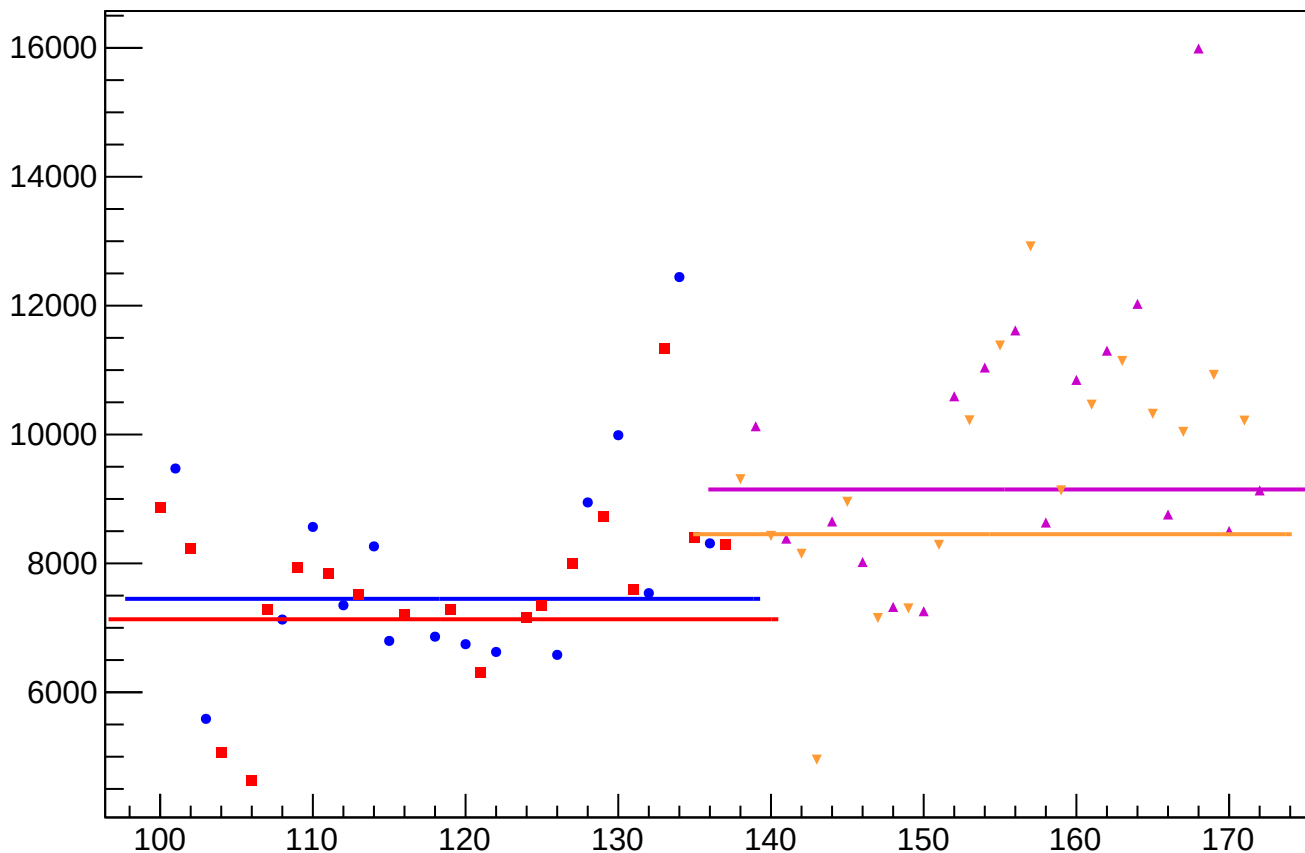
Left In: -1985.343+/-2491.785 χ^2/NDF : 10.5/16

+ sign 1818.104+/-1795.324 χ^2/NDF : 36.2/33

All: -162.881+/-1281.485 χ^2/NDF : 64.1/69

- sign -2220.573+/-1829.753 χ^2/NDF : 25.4/35

asym_at2_avg_rms vs Slug



Right In: 7449.985 $\pm$ 2.000 χ^2 /NDF: 486427.7/15

Left Out: 8452.795 $\pm$ 1.643 χ^2 /NDF:1652757.8/17

Right Out: 7133.115 $\pm$ 1.906 χ^2 /NDF: 556993.0/18

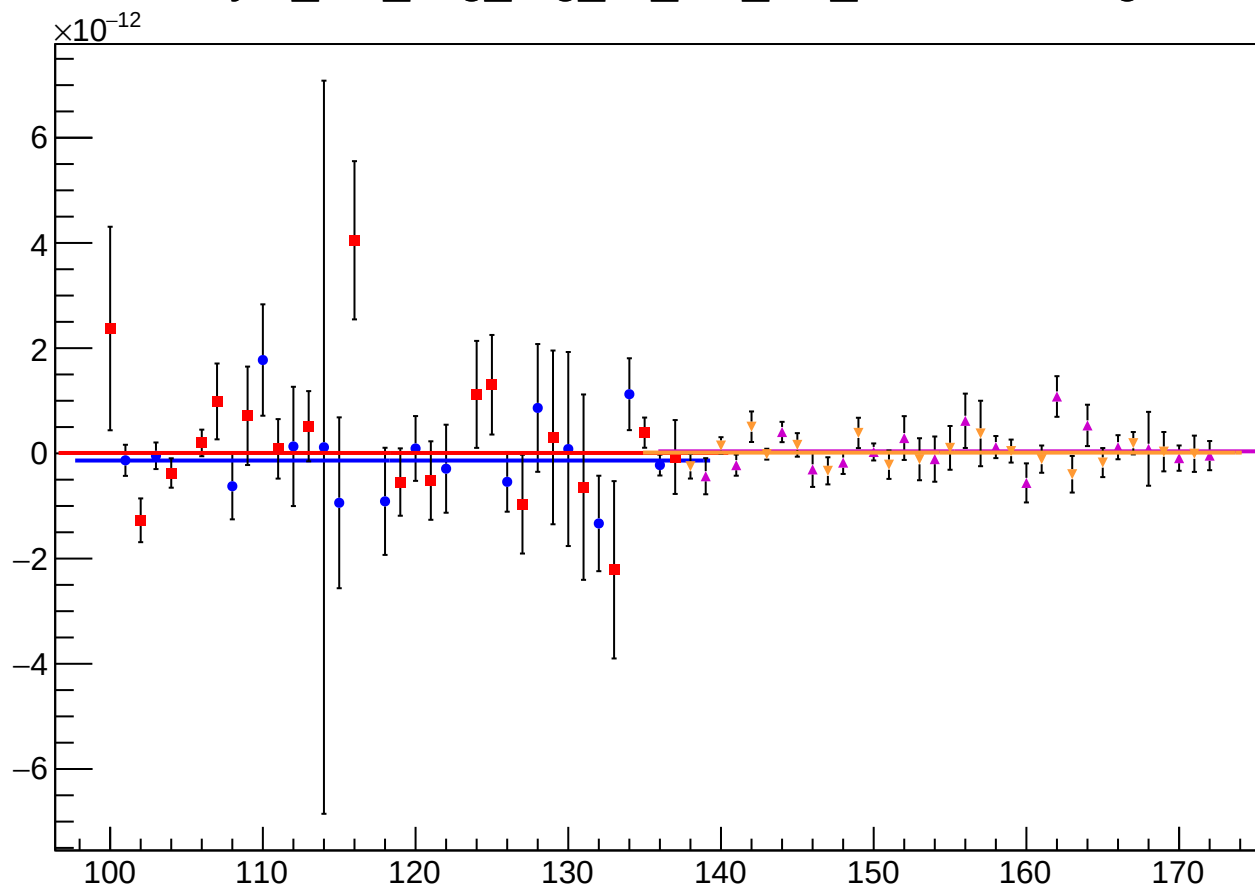
Left In: 9147.399 $\pm$ 1.762 χ^2 /NDF:954446.7/16

+ sign 8048.901 $\pm$ 1.269 χ^2 /NDF: 2289285.6/33

All: 8132.426 $\pm$ 0.906 χ^2 /NDF: 4411804.3/69

- sign 8219.181 $\pm$ 1.294 χ^2 /NDF: 2113693.4/35

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

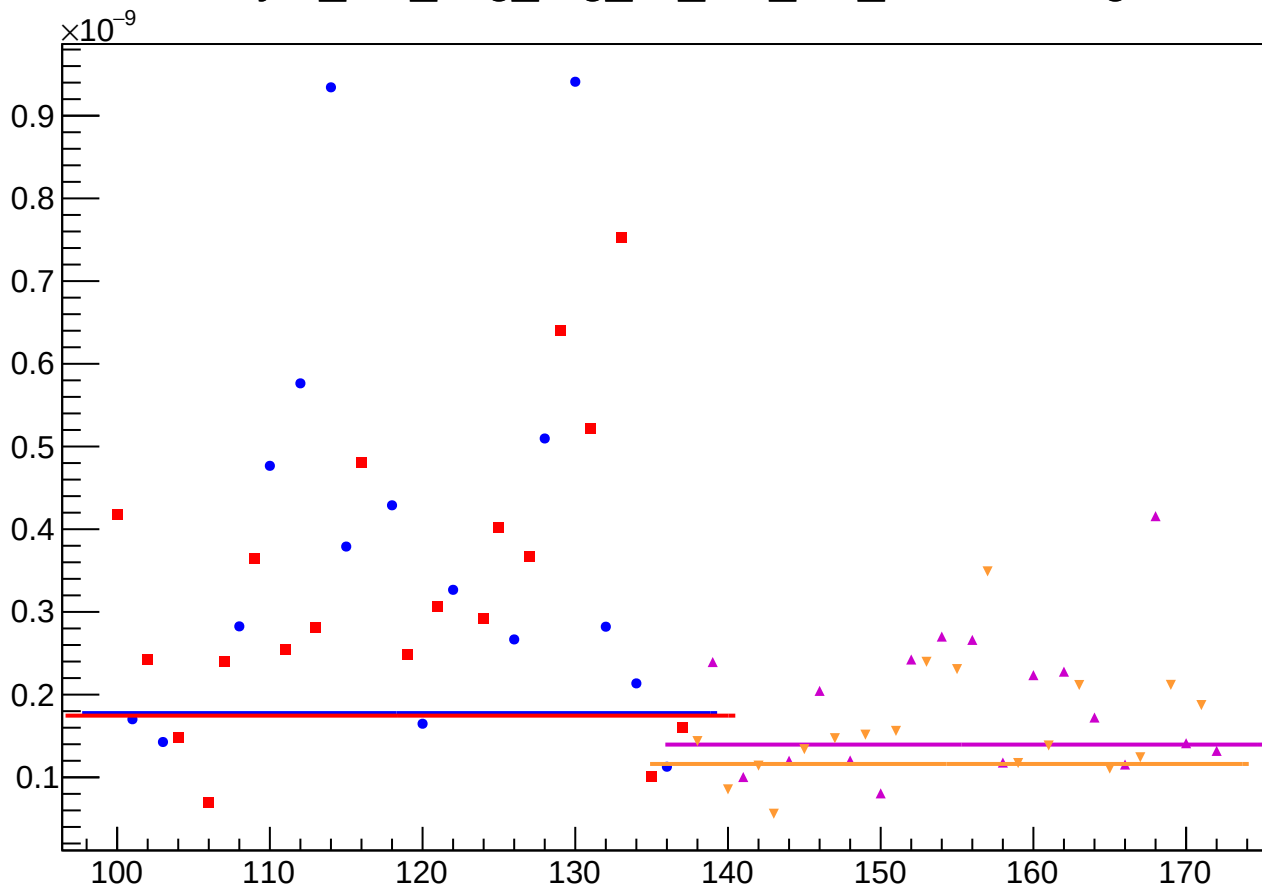
Left In: 0.000 ± 0.000 χ^2/NDF : 23.1/16

+ sign -0.000 ± 0.000 χ^2/NDF : 25.7/33

All: 0.000 ± 0.000 χ^2/NDF : 82.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 55.9/35

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF :1905091.3/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1641366.3/18

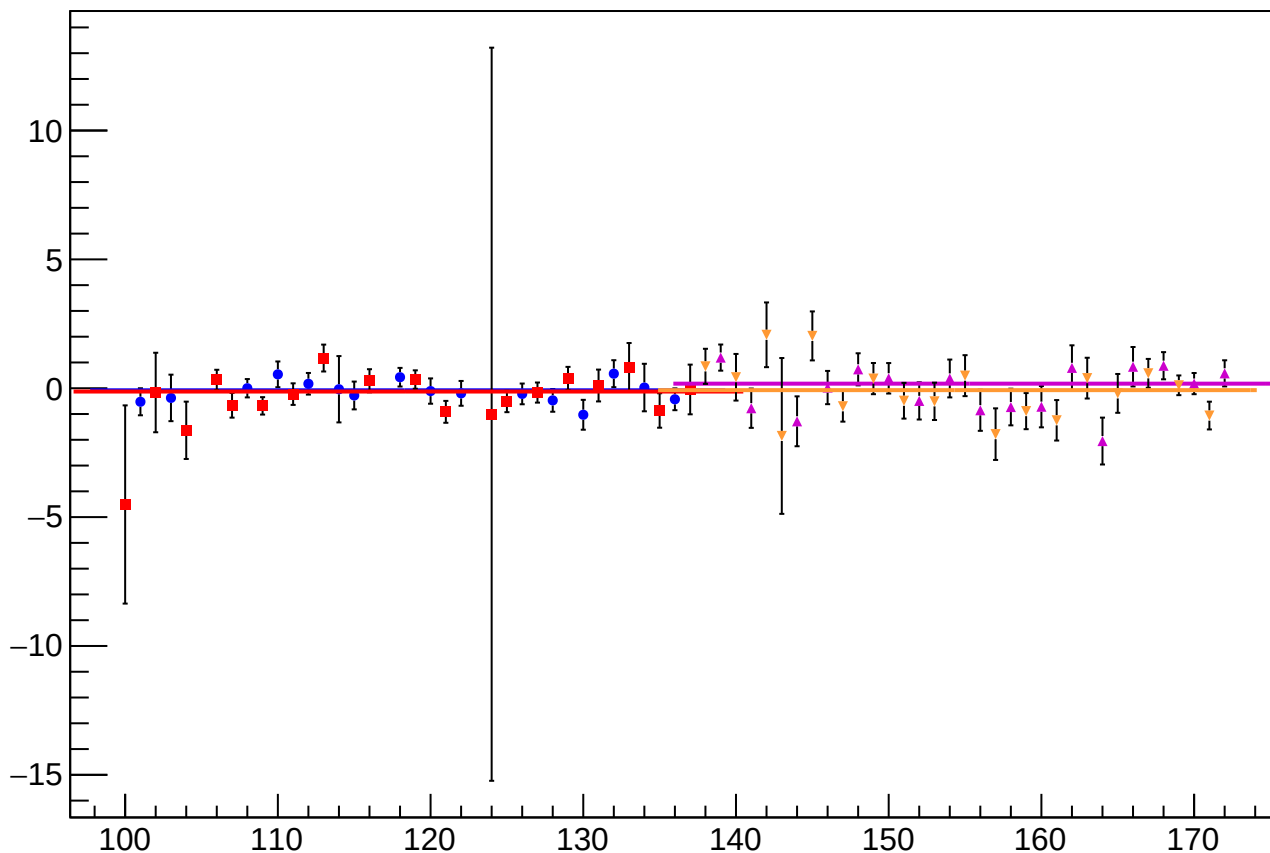
Left In: 0.000+/-0.000 χ^2/NDF :1624867.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 3870650.5/33

All: 0.000+/-0.000 χ^2/NDF : 7407855.2/69

- sign 0.000+/-0.000 χ^2/NDF : 3392966.0/35

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

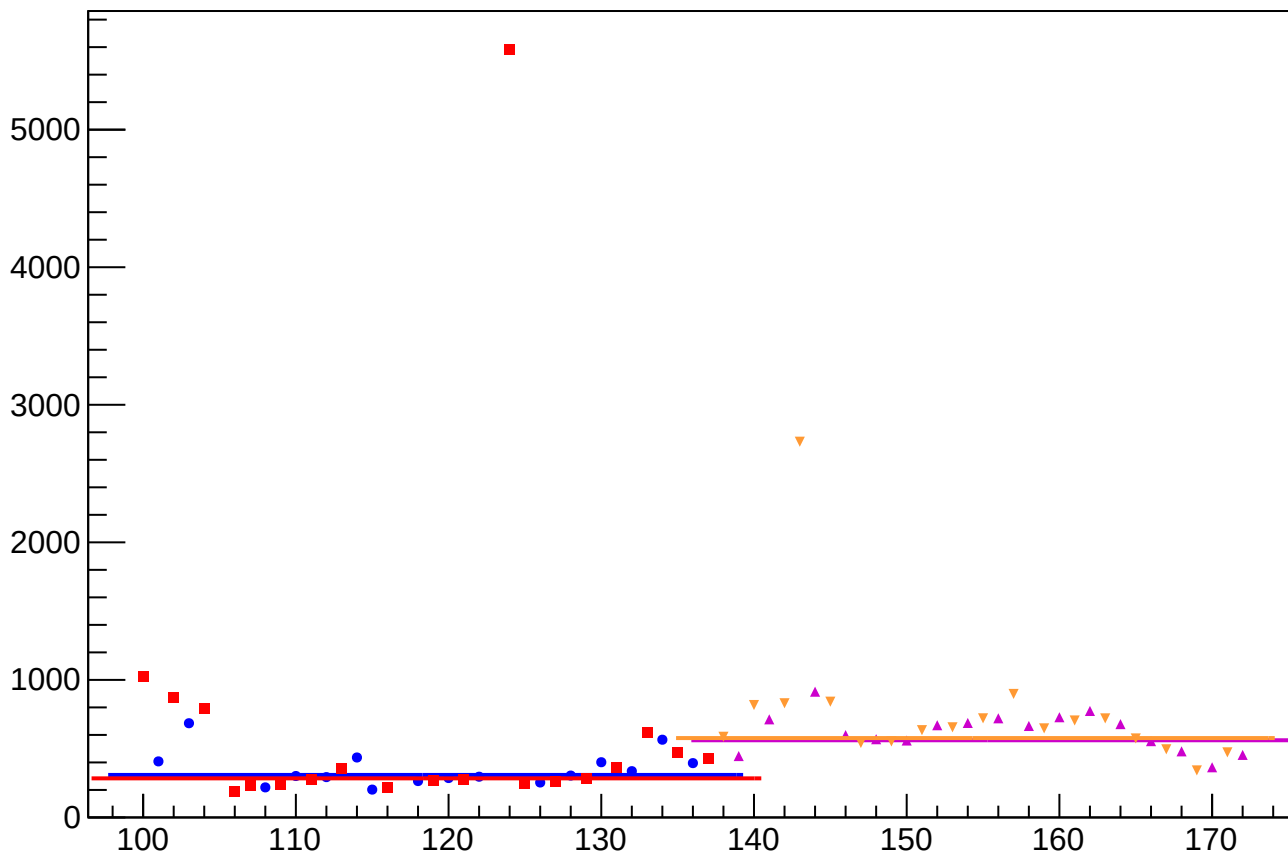
Left In: 0.178 ± 0.156 χ^2/NDF : 23.9/16

+ sign -0.078 ± 0.098 χ^2/NDF : 35.8/33

All: -0.047 ± 0.068 χ^2/NDF : 87.5/69

- sign -0.018 ± 0.094 χ^2/NDF : 51.6/35

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

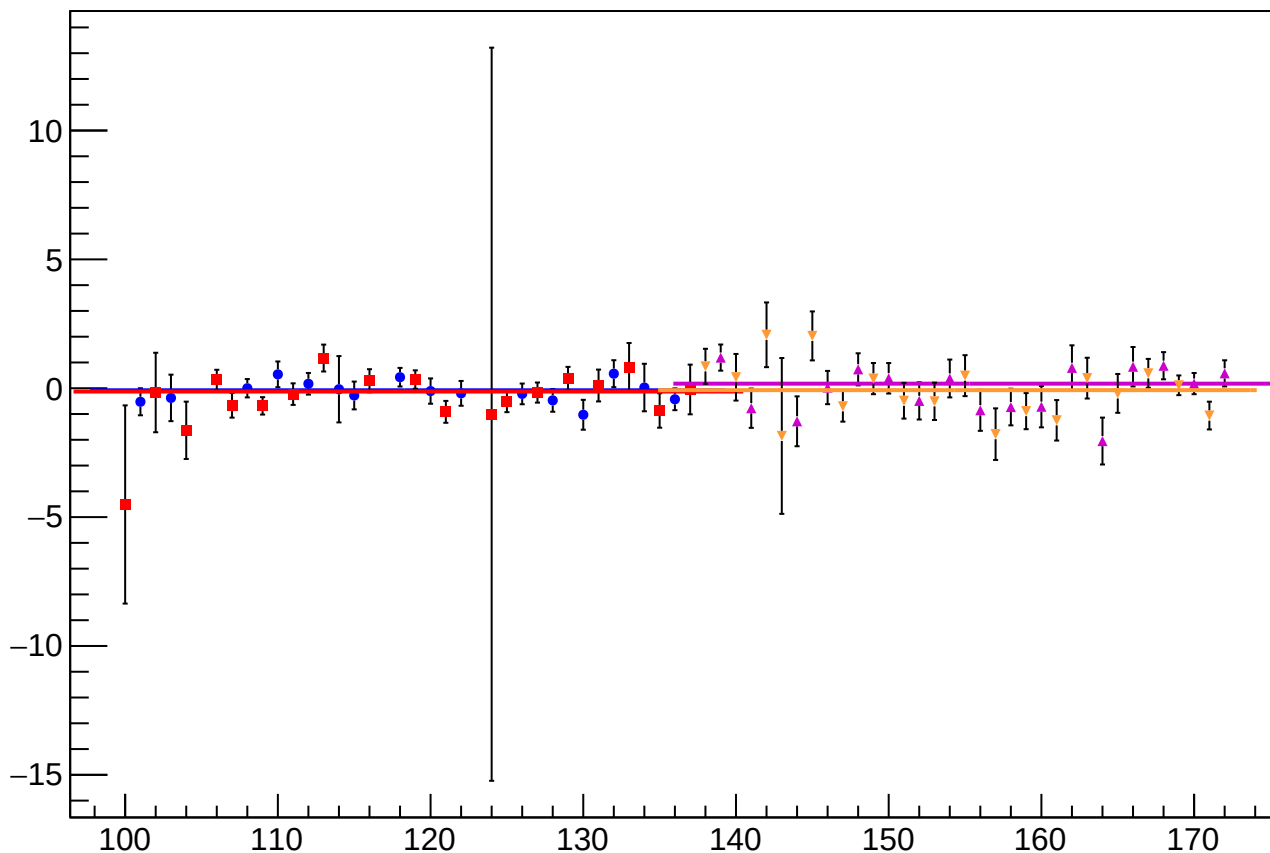
Left In: 561.213 ± 0.110 χ^2/NDF : 1513769.8/16

+ sign 405.522 ± 0.069 χ^2/NDF : 7218433.0/33

All: 394.174 ± 0.048 χ^2/NDF : 14675358.6/69

- sign 383.722 ± 0.066 χ^2/NDF : 7404888.0/35

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: -0.074 ± 0.163 χ^2/NDF : 25.0/17

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

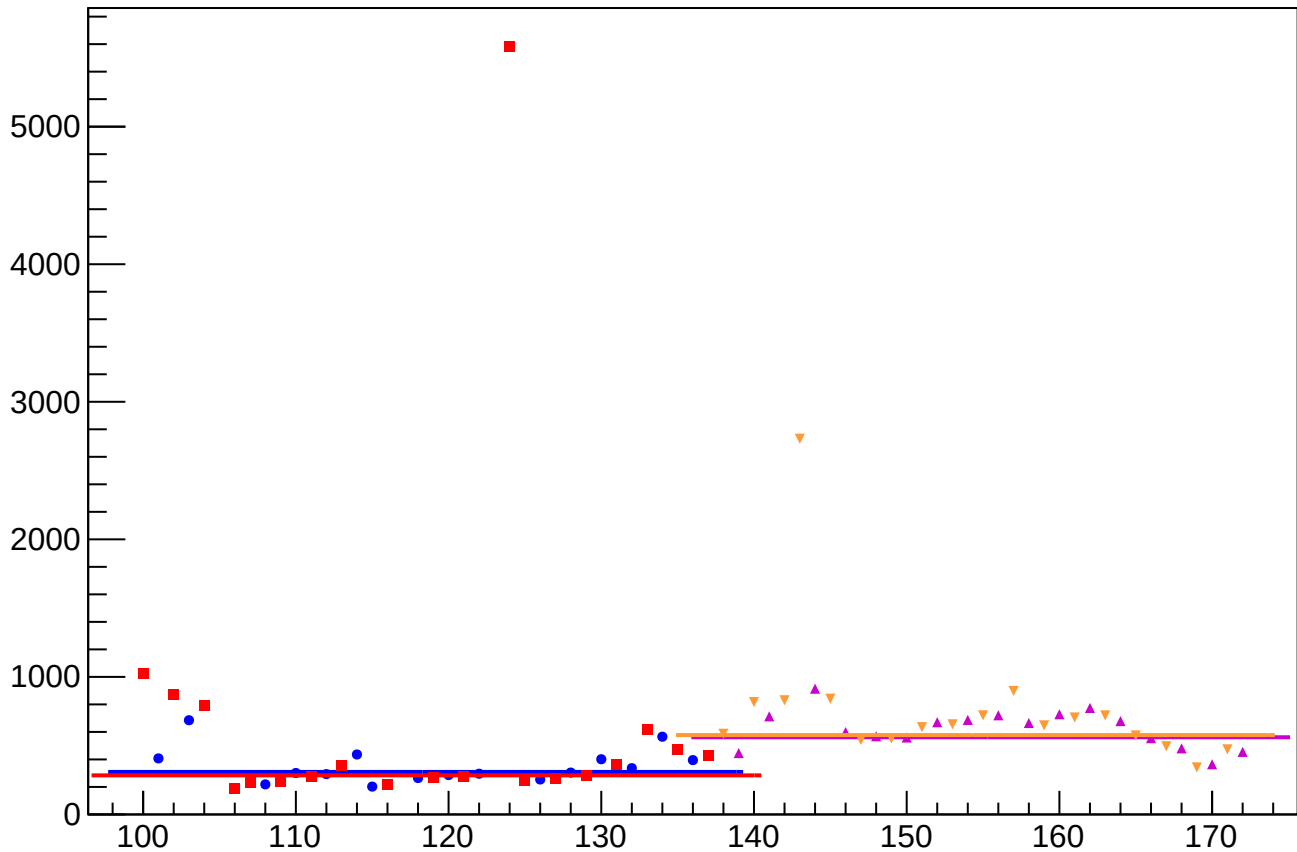
Left In: 0.178 ± 0.156 χ^2/NDF : 23.9/16

+ sign -0.078 ± 0.098 χ^2/NDF : 35.8/33

All: -0.047 ± 0.068 χ^2/NDF : 87.5/69

- sign -0.018 ± 0.094 χ^2/NDF : 51.6/35

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

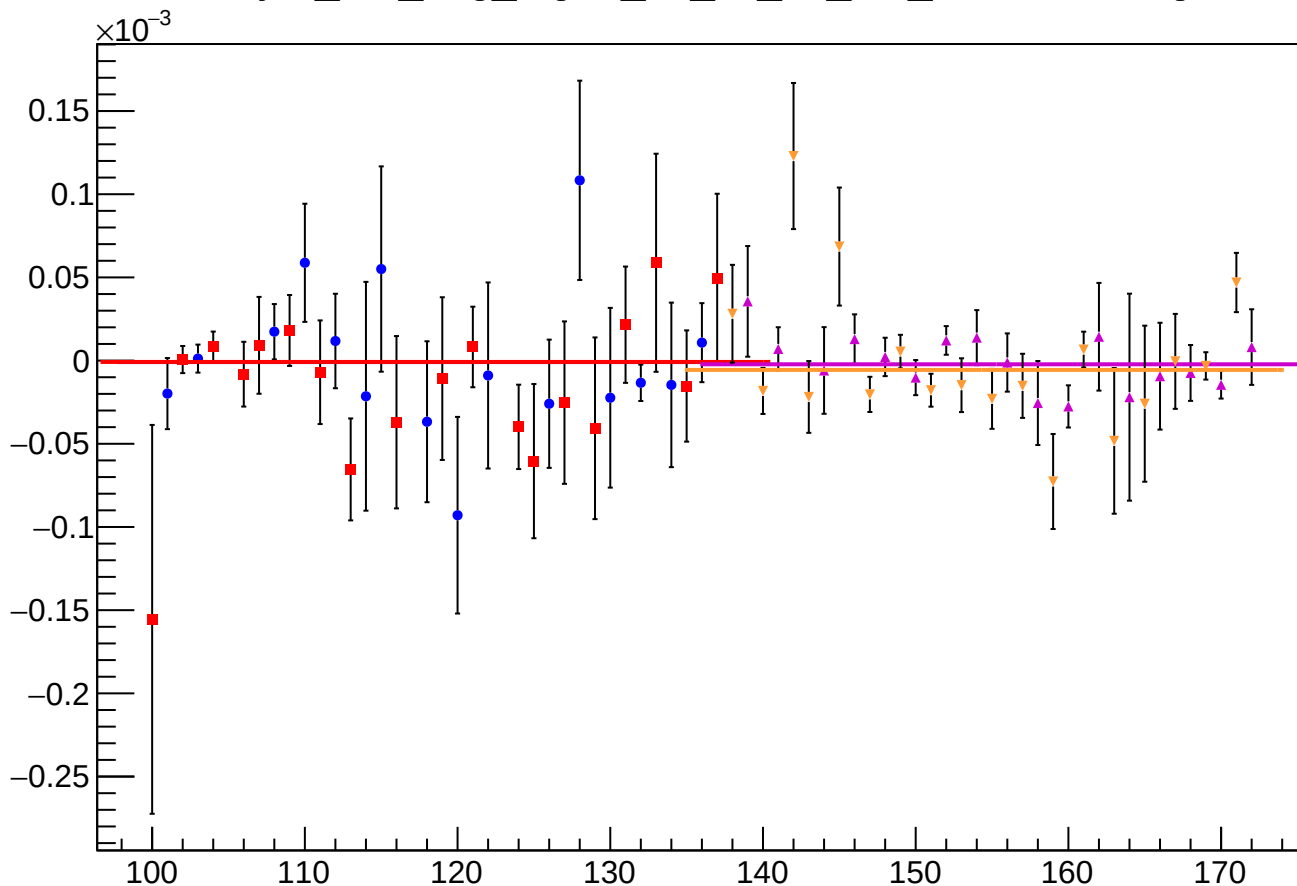
Left In: 561.213+/-0.110 χ^2/NDF : 1513769.8/16

+ sign 405.522+/-0.069 χ^2/NDF : 7218433.0/33

All: 394.174+/-0.048 χ^2/NDF : 14675358.6/69

- sign 383.722+/-0.066 χ^2/NDF : 7404888.0/35

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/18

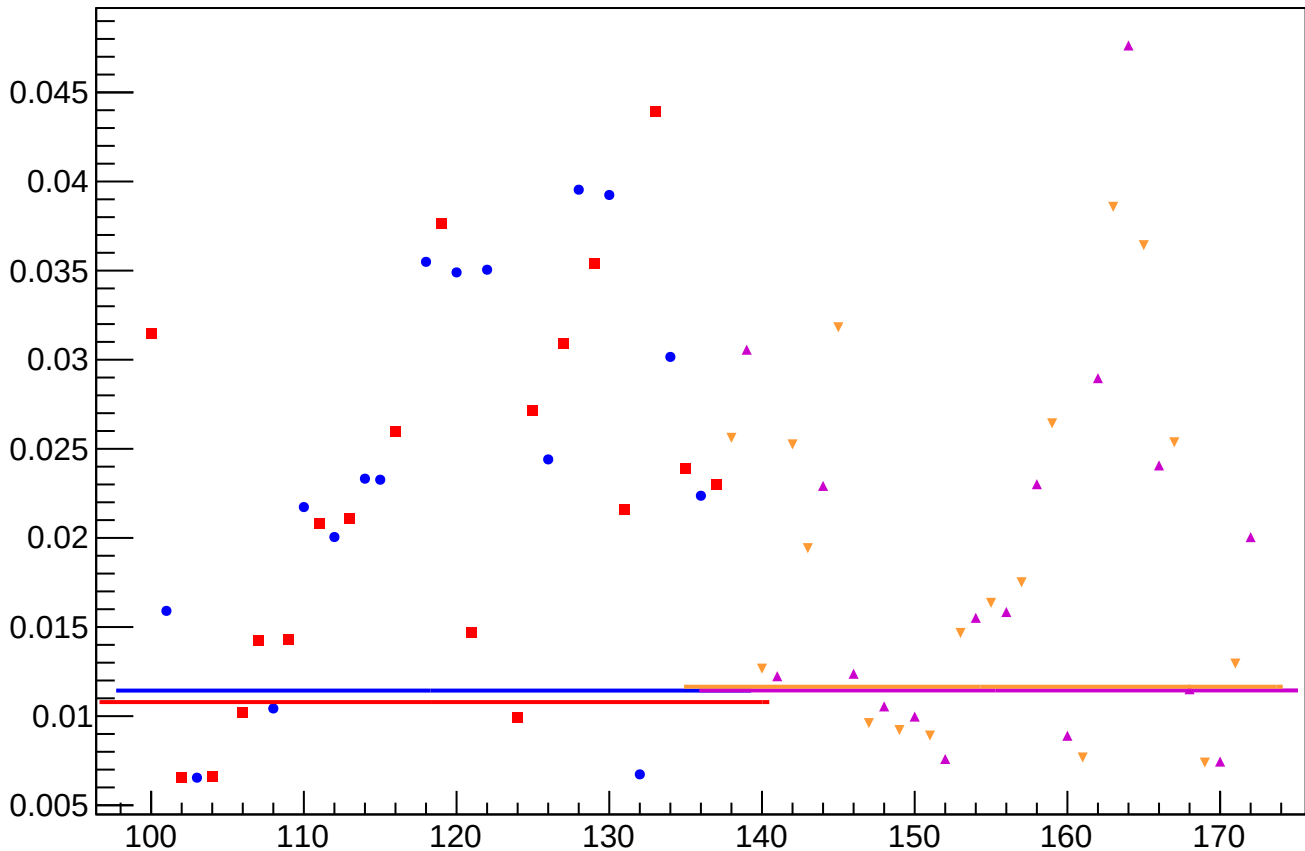
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 53.6/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 85.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/35

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF : 5426319.7/17

Right Out: 0.011+/-0.000 χ^2/NDF : 4473688.9/18

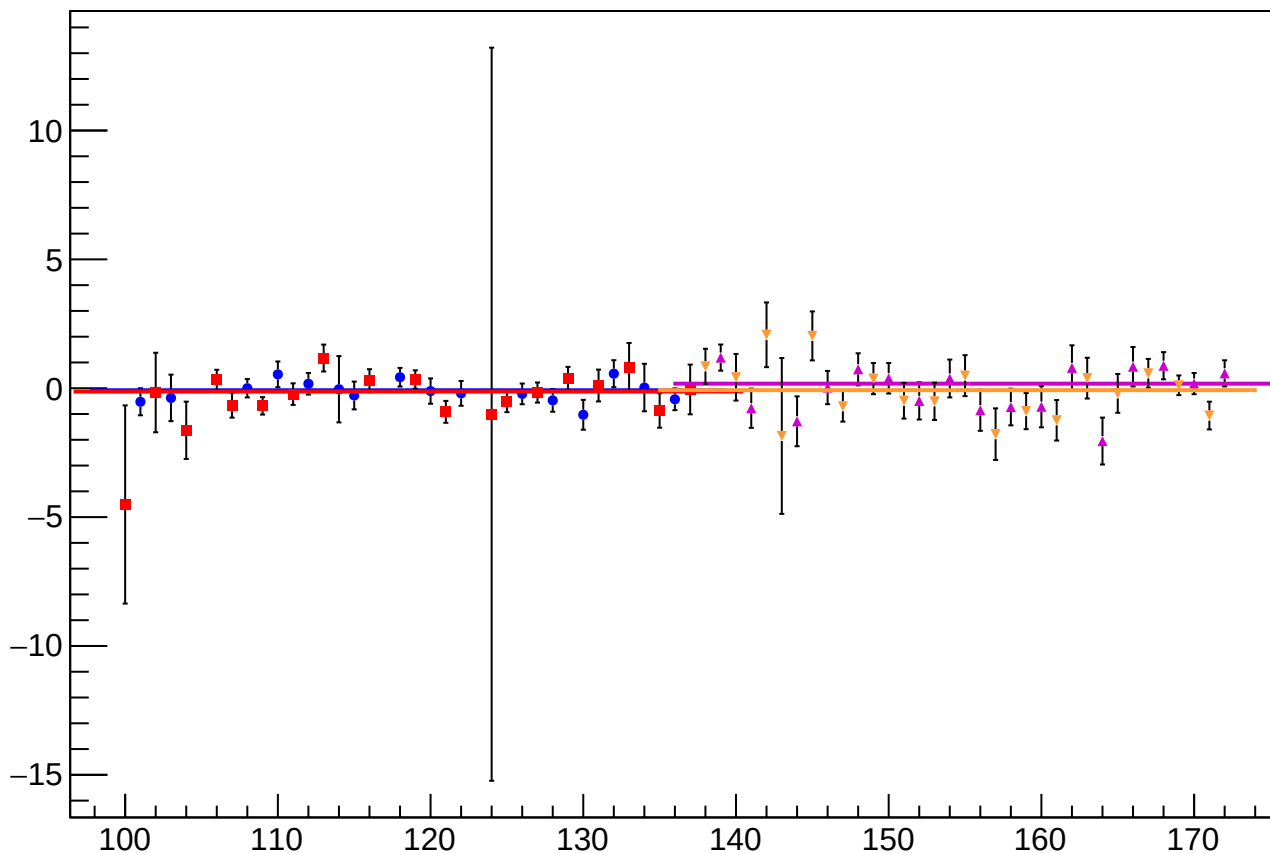
Left In: 0.011+/-0.000 χ^2/NDF : 4586912.2/16

+ sign 0.012+/-0.000 χ^2/NDF : 10128565.4/33

All: 0.011+/-0.000 χ^2/NDF : 19229026.7/69

- sign 0.011+/-0.000 χ^2/NDF : 9084369.8/35

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.080 ± 0.122 χ^2/NDF : 10.8/15

Left Out: -0.074 ± 0.163 χ^2/NDF : 25.0/17

Right Out: -0.128 ± 0.117 χ^2/NDF : 25.3/18

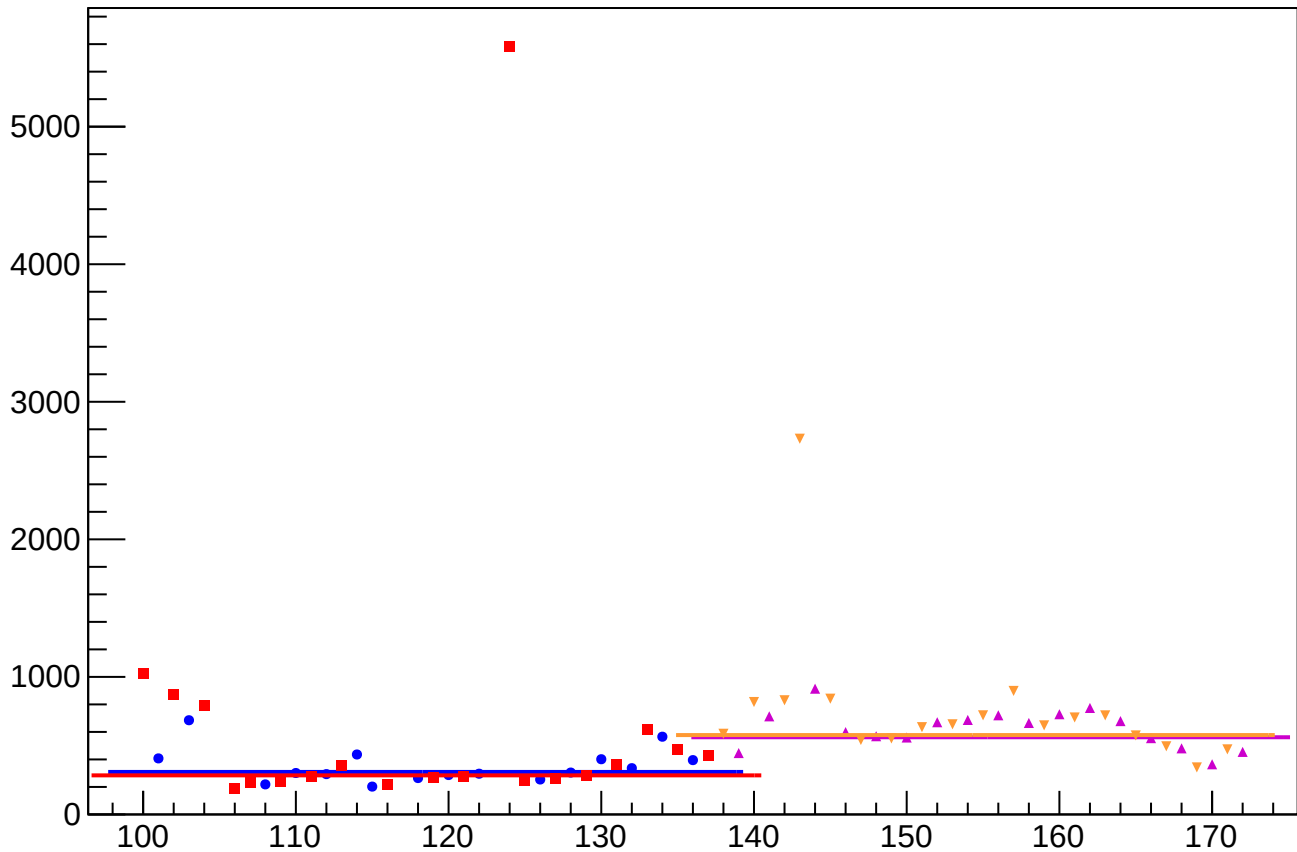
Left In: 0.178 ± 0.156 χ^2/NDF : 23.9/16

+ sign -0.078 ± 0.098 χ^2/NDF : 35.8/33

All: -0.047 ± 0.068 χ^2/NDF : 87.5/69

- sign -0.018 ± 0.094 χ^2/NDF : 51.6/35

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.093 $\pm$ 0.086 χ^2 /NDF: 1014573.4/15

Left Out: 577.101 $\pm$ 0.115 χ^2 /NDF: 2723678.3/17

Right Out: 284.188 $\pm$ 0.083 χ^2 /NDF: 1856434.1/18

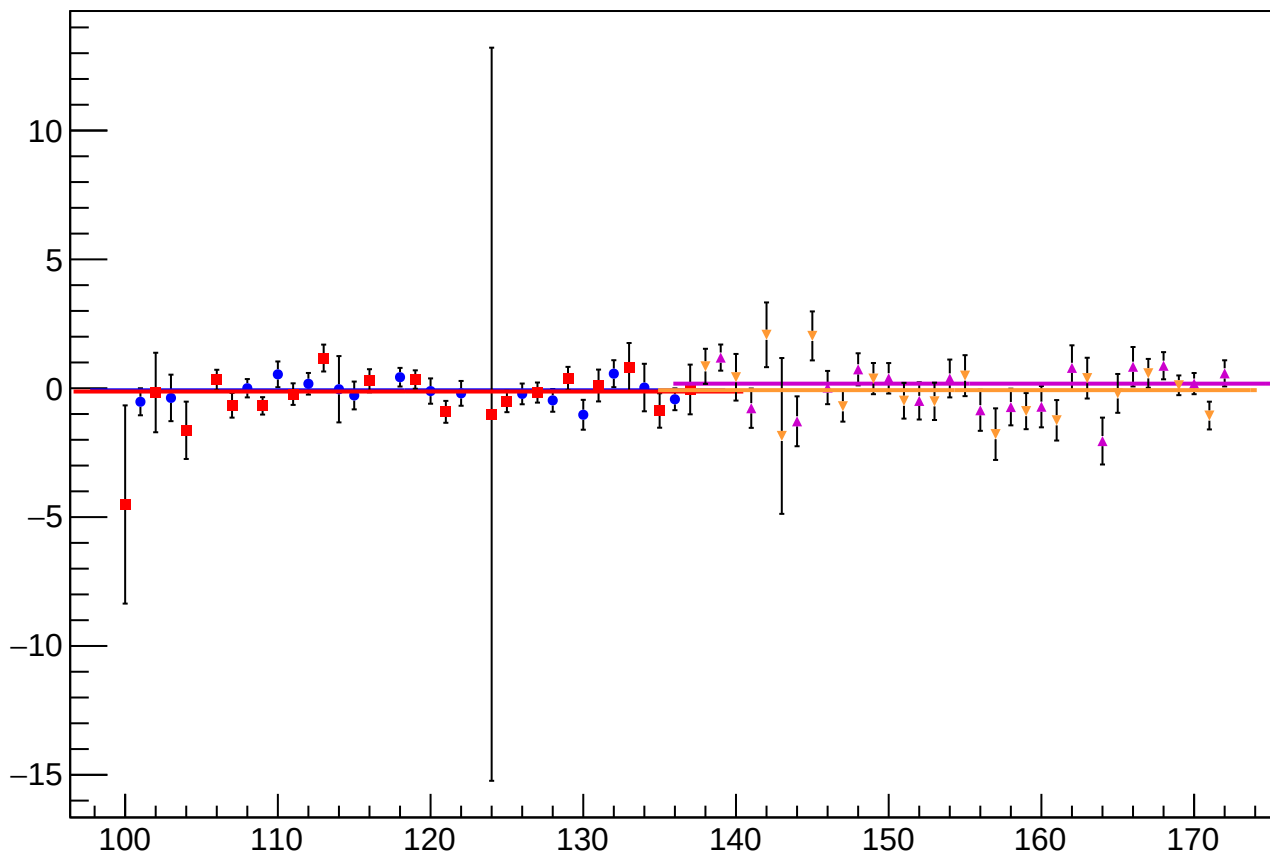
Left In: 561.217 $\pm$ 0.110 χ^2 /NDF: 1513840.8/16

+ sign 405.521 $\pm$ 0.069 χ^2 /NDF: 7218581.5/33

All: 394.174 $\pm$ 0.048 χ^2 /NDF: 14675662.3/69

- sign 383.722 $\pm$ 0.066 χ^2 /NDF: 7405044.4/35

asym_at2_avg_eigen_dit_vs_eigen_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

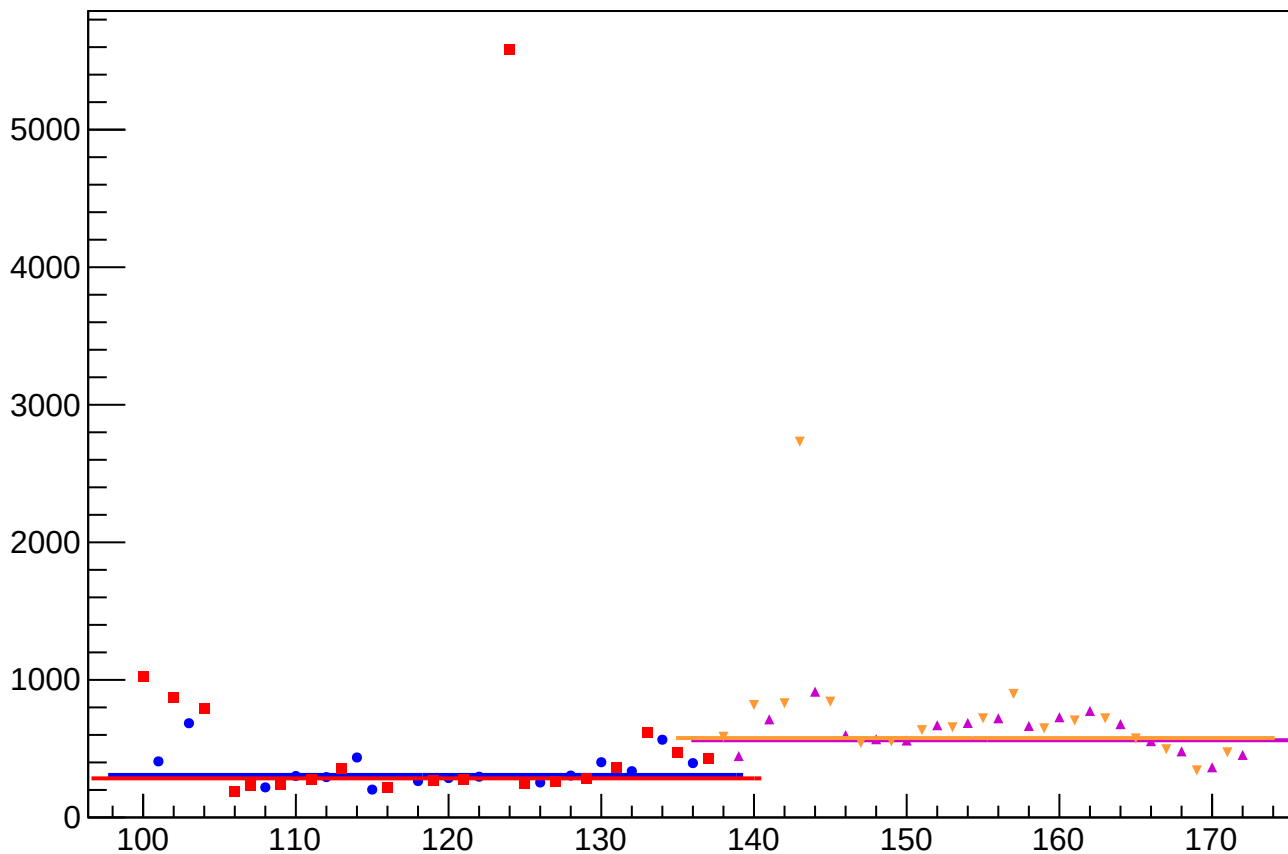
Left In: 0.178 ± 0.156 χ^2/NDF : 23.9/16

+ sign -0.078 ± 0.098 χ^2/NDF : 35.8/33

All: -0.047 ± 0.068 χ^2/NDF : 87.5/69

- sign -0.018 ± 0.094 χ^2/NDF : 51.6/35

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

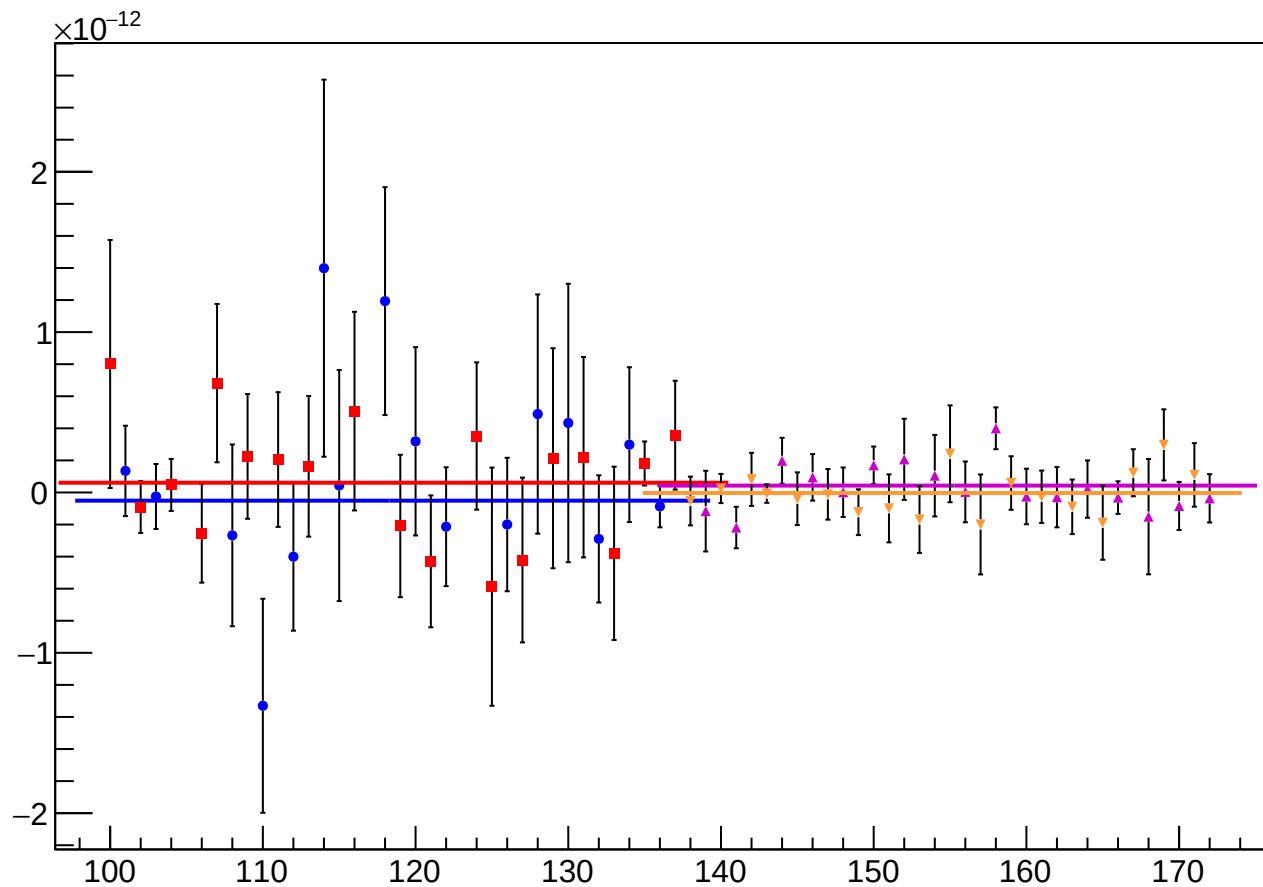
Left In: 561.217+/-0.110 χ^2/NDF : 1513840.8/16

+ sign 405.521+/-0.069 χ^2/NDF : 7218581.5/33

All: 394.174+/-0.048 χ^2/NDF : 14675662.3/69

- sign 383.722+/-0.066 χ^2/NDF : 7405044.4/35

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 7.1/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 11.4/18

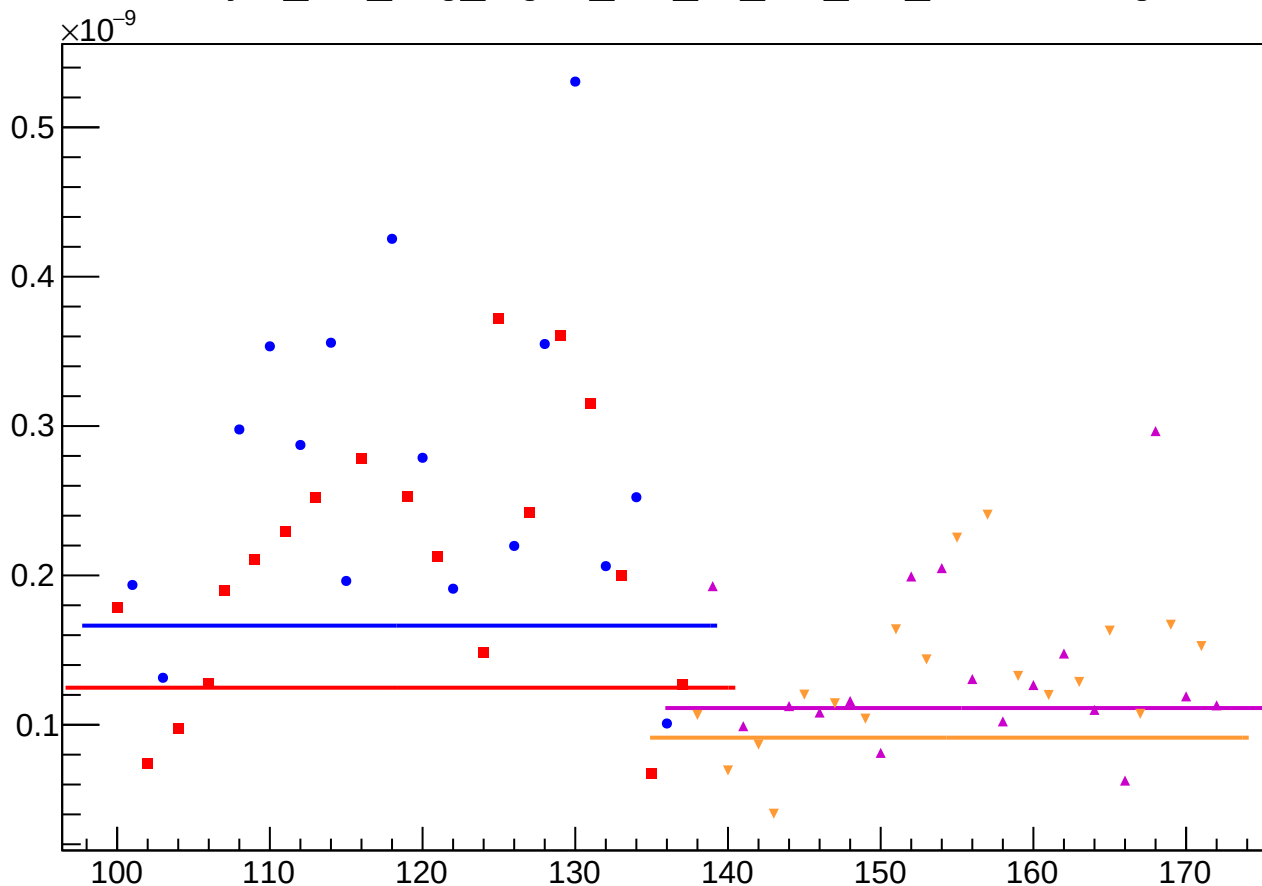
Left In: 0.000 ± 0.000 χ^2/NDF : 17.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 19.3/33

All: 0.000 ± 0.000 χ^2/NDF : 49.5/69

- sign 0.000 ± 0.000 χ^2/NDF : 28.7/35

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

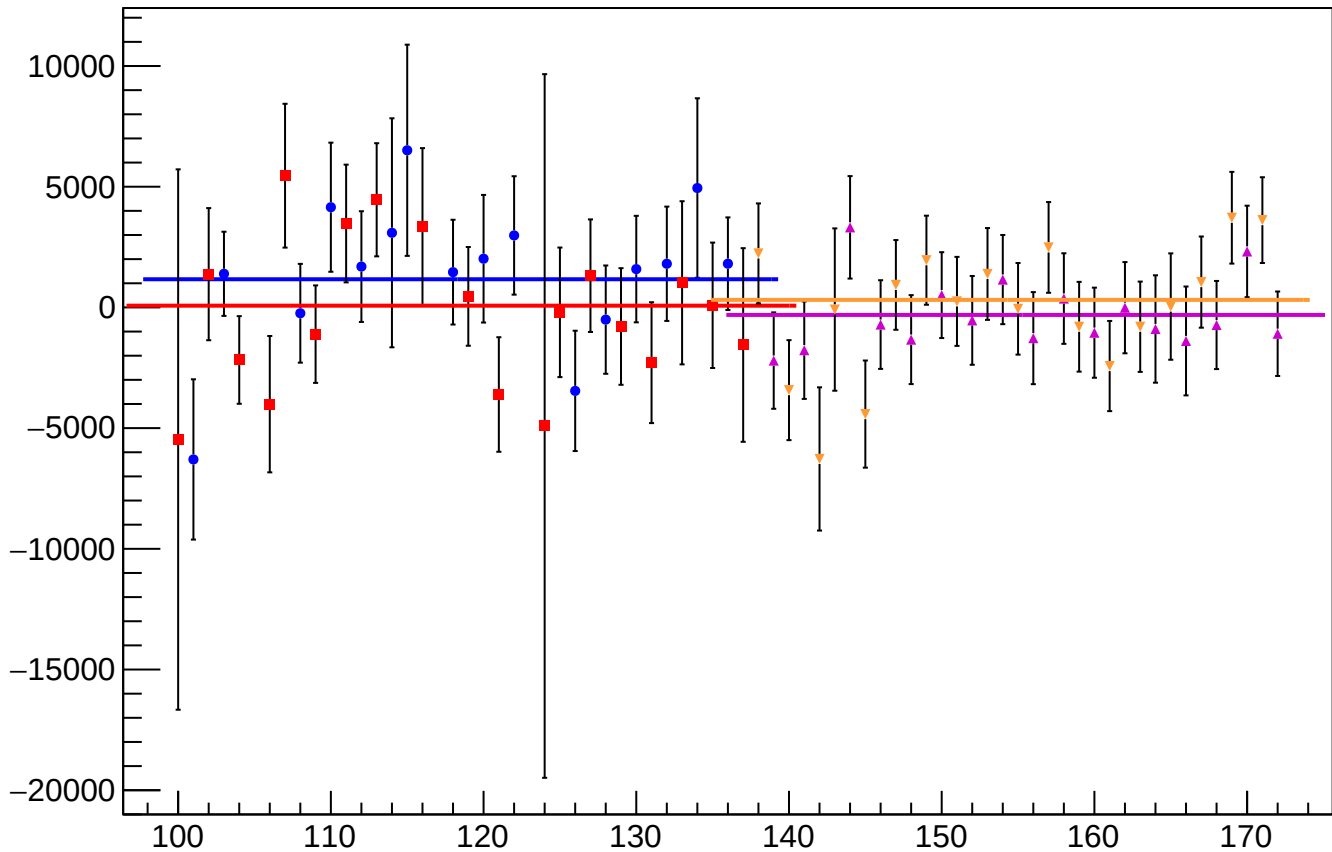
Left In: 0.000+/-0.000 χ^2/NDF : 1991709.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 7302161.2/33

All: 0.000+/-0.000 χ^2/NDF : 11724293.2/69

- sign 0.000+/-0.000 χ^2/NDF : 4259702.0/35

reg_asym_at2_dd_mean vs Slug



Right In: 1166.862 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: 312.252 $\pm$ 469.901 χ^2 /NDF:25.9/17

Right Out: 72.181 $\pm$ 603.362 χ^2 /NDF: 18.3/18

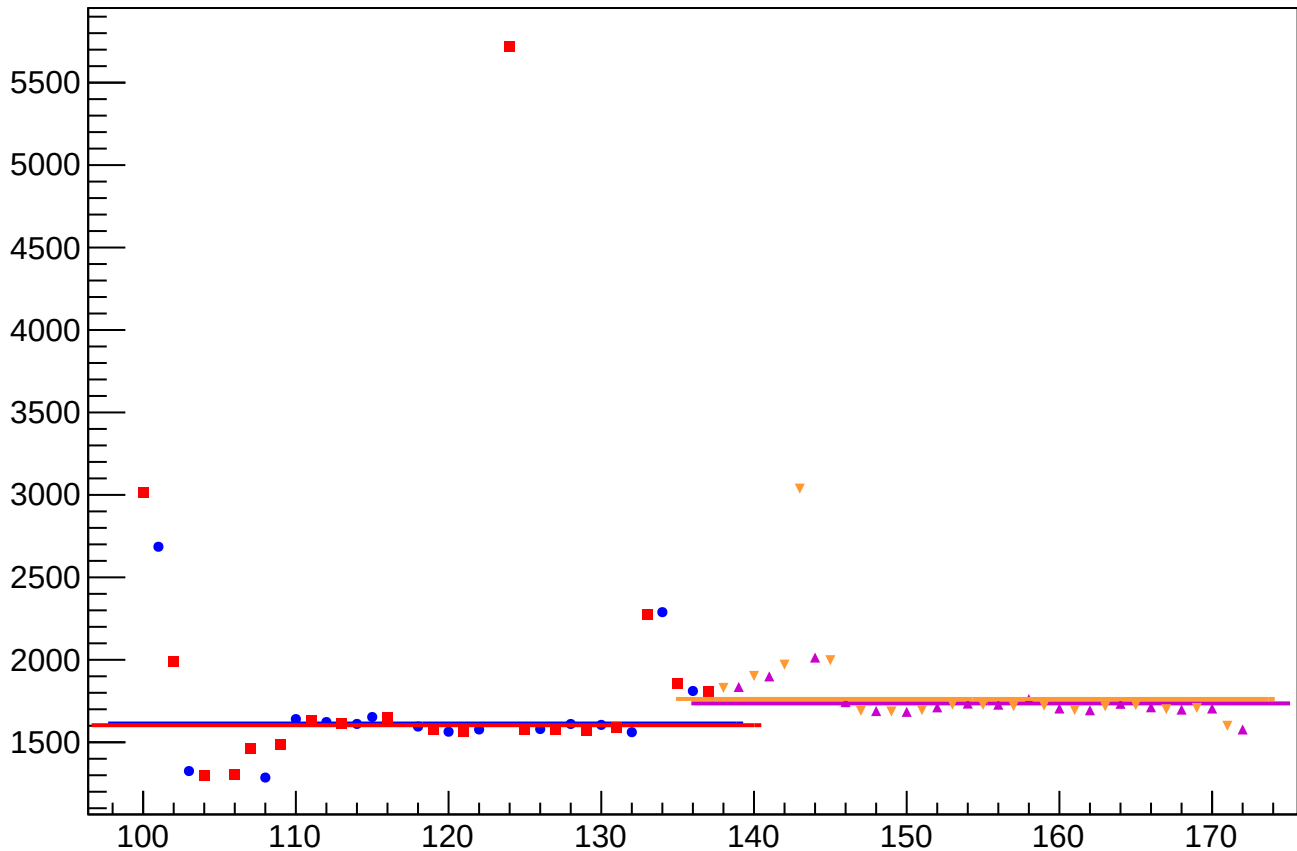
Left In: -311.520 $\pm$ 463.993 χ^2 /NDF:8.6/16

+ sign 631.064 $\pm$ 372.068 χ^2 /NDF: 41.6/33

All: 226.463 $\pm$ 261.574 χ^2 /NDF: 71.0/69

- sign -168.931 $\pm$ 367.810 χ^2 /NDF: 27.1/35

reg_asym_at2_dd_rms vs Slug



Right In: 1613.674 $\pm$ 0.431 χ^2 /NDF: 404688.5/15

Left Out: 1762.740 $\pm$ 0.332 χ^2 /NDF: 368638.0/17

Right Out: 1603.464 $\pm$ 0.427 χ^2 /NDF: 425793.5/18

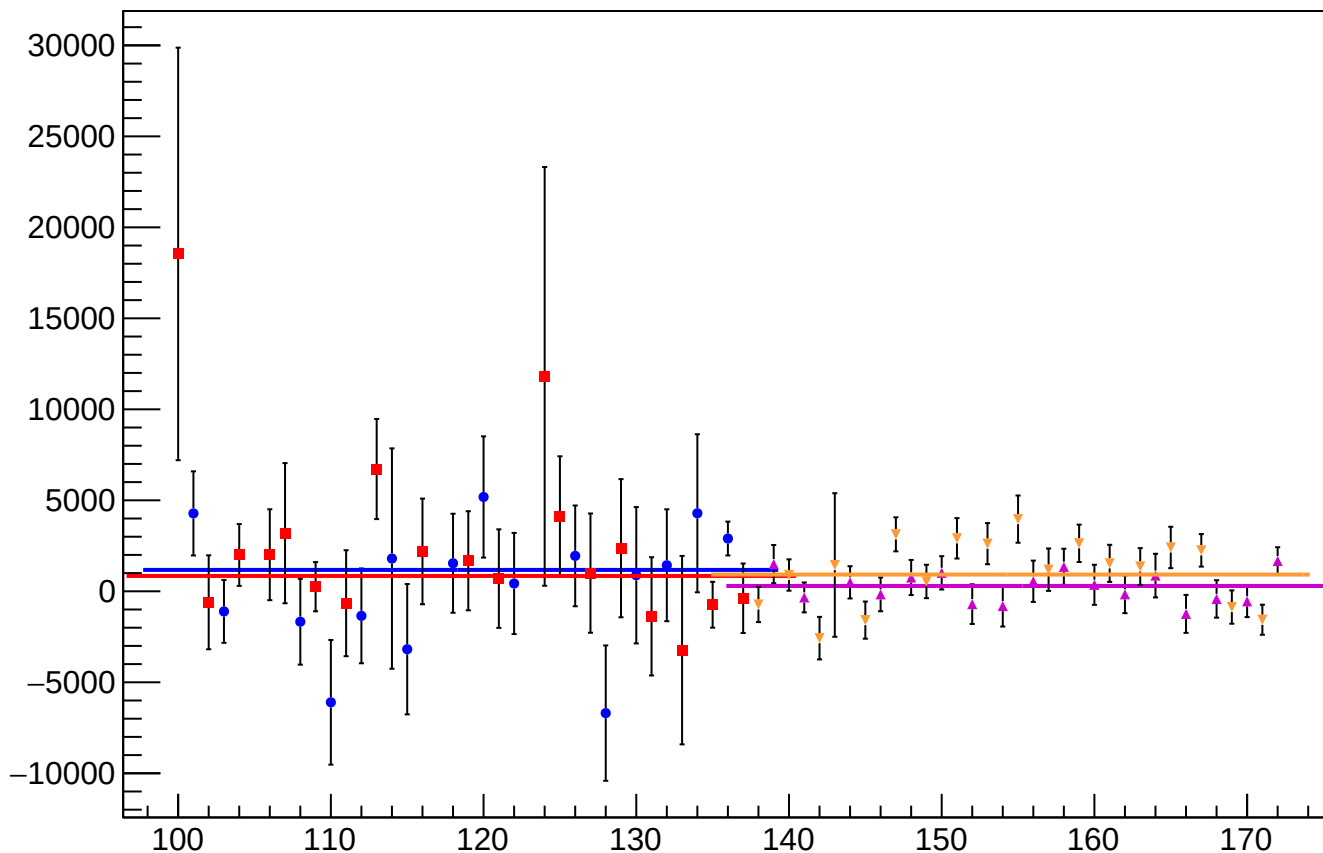
Left In: 1735.839 $\pm$ 0.328 χ^2 /NDF: 75612.1/16

+ sign 1707.131 $\pm$ 0.263 χ^2 /NDF: 848409.9/33

All: 1696.771 $\pm$ 0.185 χ^2 /NDF: 1413375.8/69

- sign 1686.647 $\pm$ 0.260 χ^2 /NDF: 561899.9/35

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

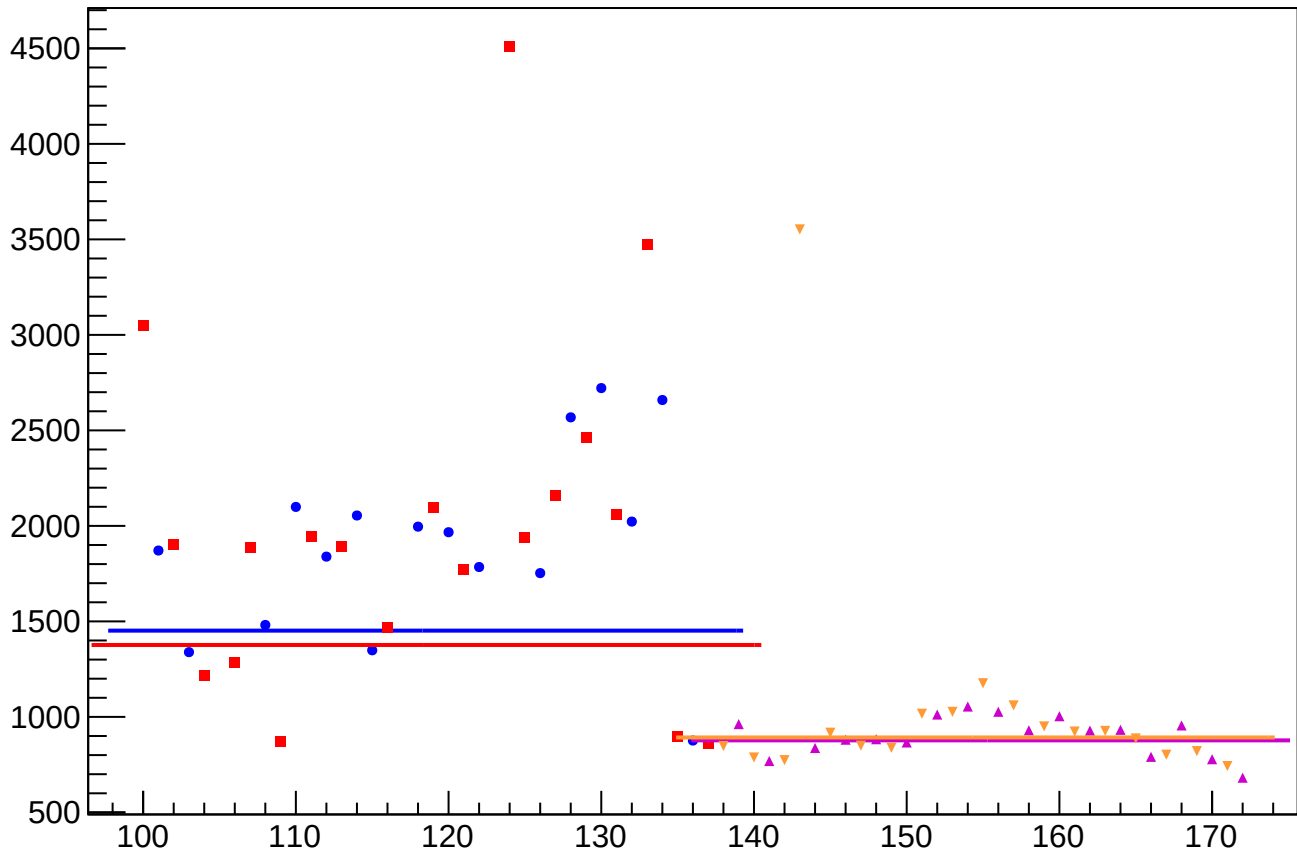
Left In: 293.211+/-236.306 χ^2/NDF : 13.3/16

+ sign 958.506+/-223.688 χ^2/NDF : 77.0/33

All: 659.731+/-155.962 χ^2/NDF : 108.8/69

- sign 377.090+/-217.565 χ^2/NDF : 28.4/35

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

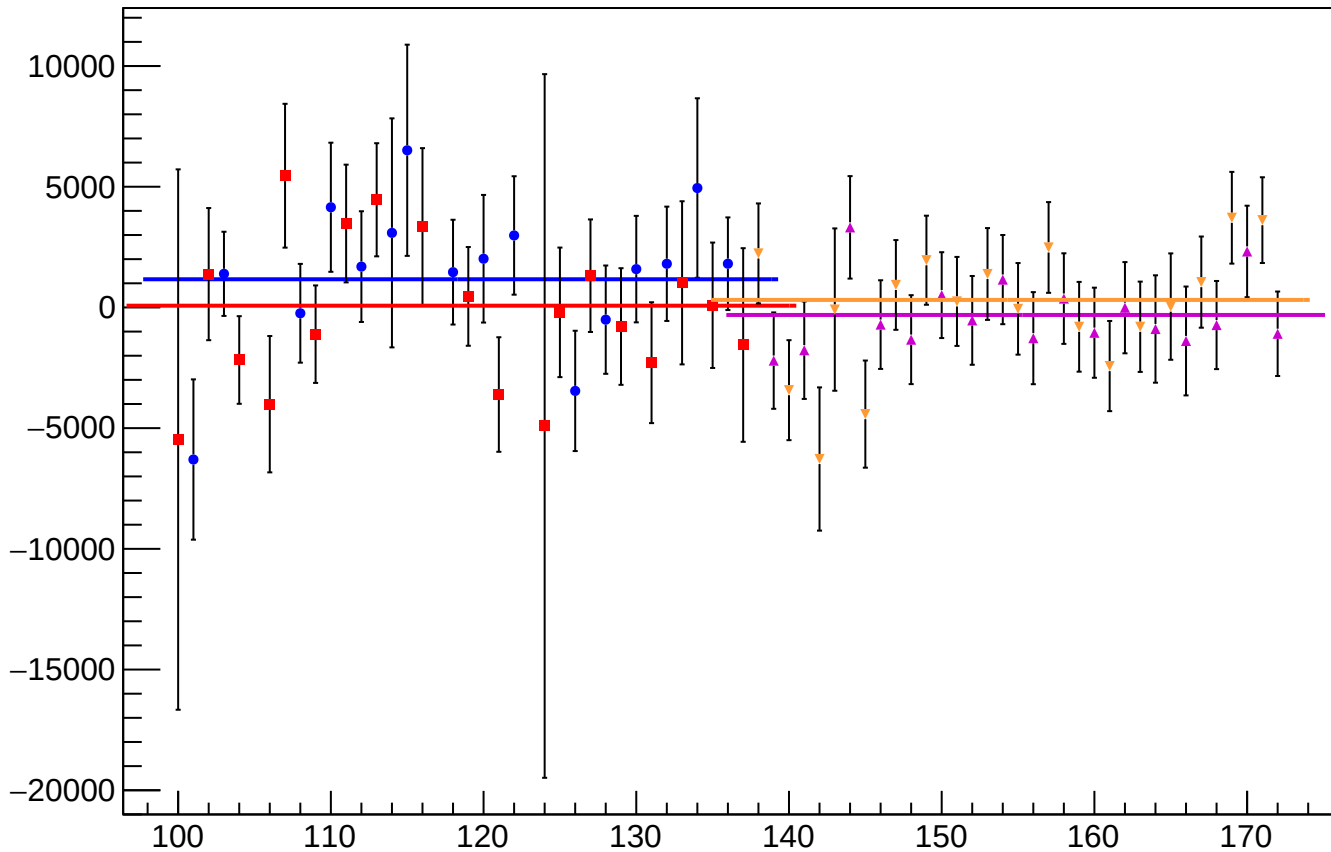
Left In: 877.123 ± 0.167 χ^2/NDF : 392771.8/16

+ sign 975.788 ± 0.158 χ^2/NDF : 4653513.3/33

All: 964.175 ± 0.110 χ^2/NDF : 8549230.1/69

- sign 953.188 ± 0.154 χ^2/NDF : 3885226.0/35

cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: 312.120 $\pm$ 469.901 χ^2 /NDF:25.9/17

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

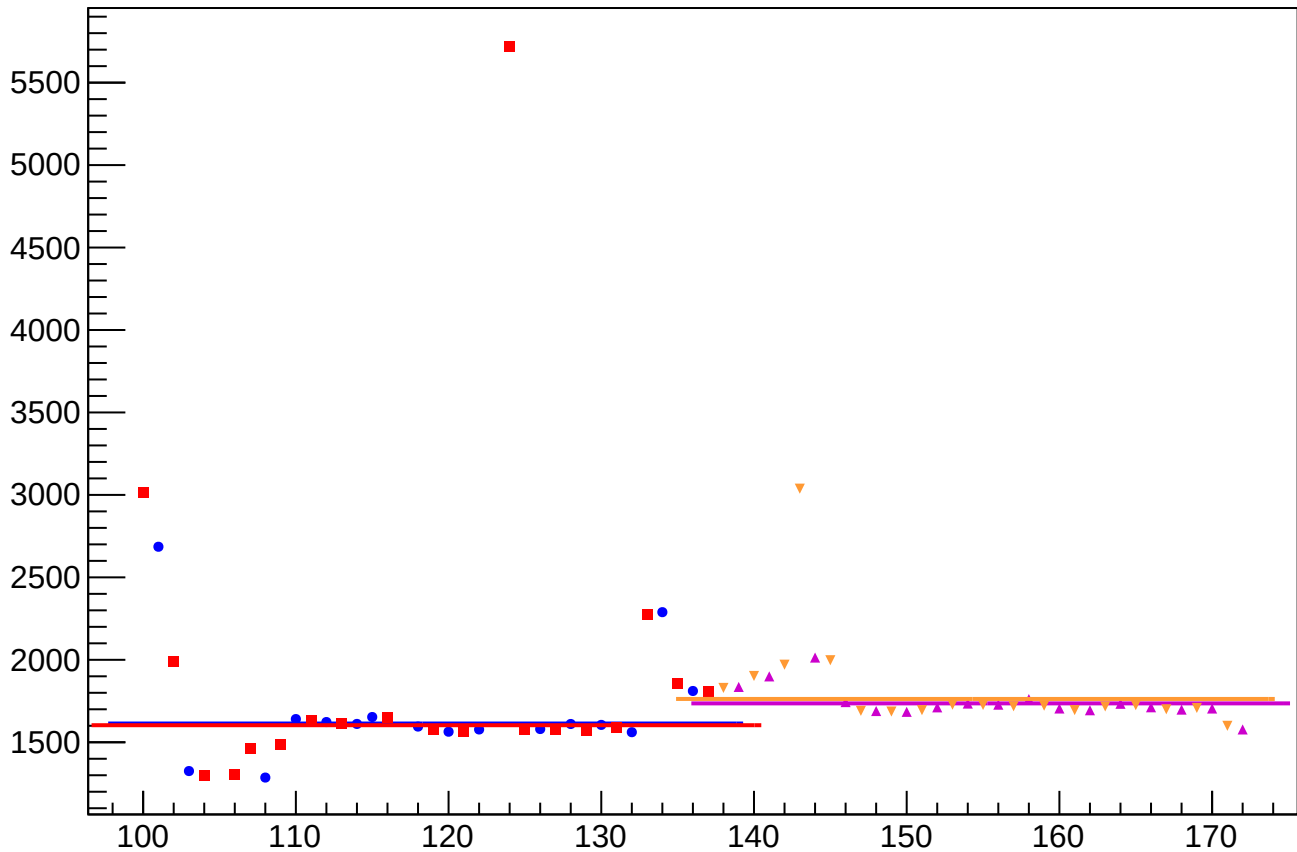
Left In: -311.434 $\pm$ 463.993 χ^2 /NDF:8.6/16

+ sign 630.947 $\pm$ 372.068 χ^2 /NDF: 41.6/33

All: 226.492 $\pm$ 261.574 χ^2 /NDF: 71.1/69

- sign -168.759 $\pm$ 367.810 χ^2 /NDF: 27.1/35

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

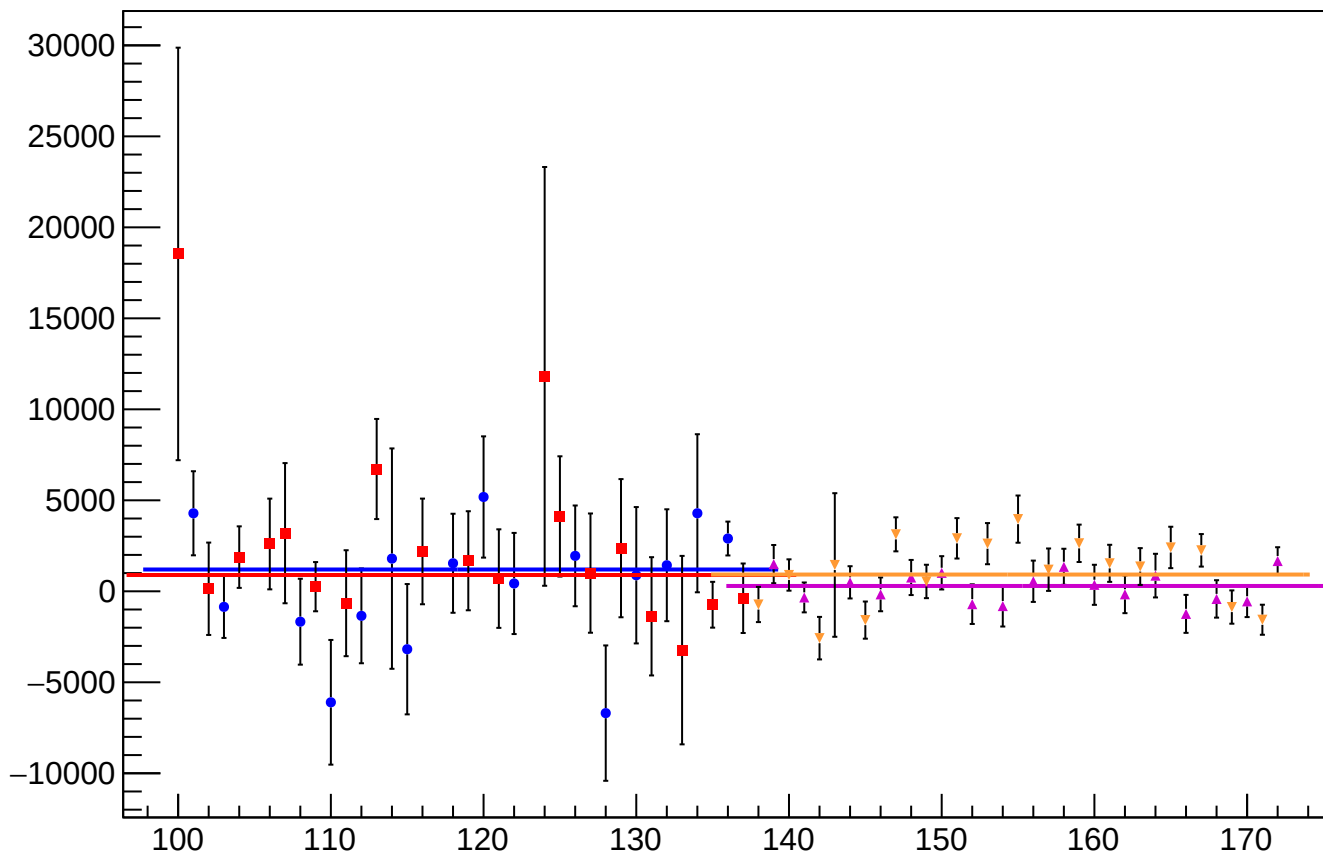
Left In: 1735.839 ± 0.328 χ^2/NDF : 75612.1/16

+ sign 1707.131 ± 0.263 χ^2/NDF : 848410.3/33

All: 1696.771 ± 0.185 χ^2/NDF : 1413376.3/69

- sign 1686.647 ± 0.260 χ^2/NDF : 561900.1/35

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2 /NDF: 21.7/15

Left Out: 920.479 $\pm$ 242.516 χ^2 /NDF: 54.8/17

Right Out: 895.463 $\pm$ 556.666 χ^2 /NDF: 14.2/18

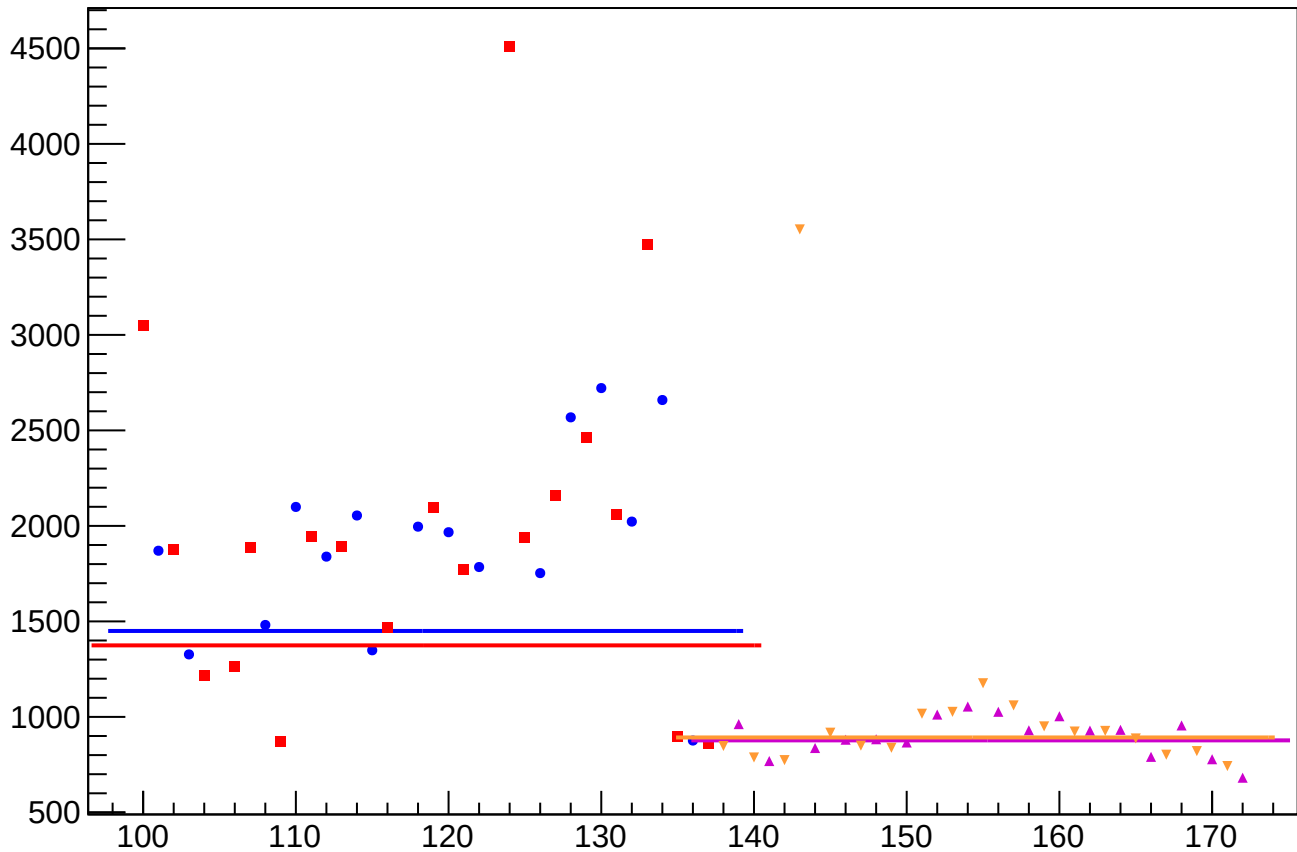
Left In: 293.161 $\pm$ 236.306 χ^2 /NDF: 13.3/16

+ sign 962.044 $\pm$ 223.643 χ^2 /NDF: 76.7/33

All: 665.576 $\pm$ 155.929 χ^2 /NDF: 108.6/69

- sign 385.125 $\pm$ 217.518 χ^2 /NDF: 28.5/35

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

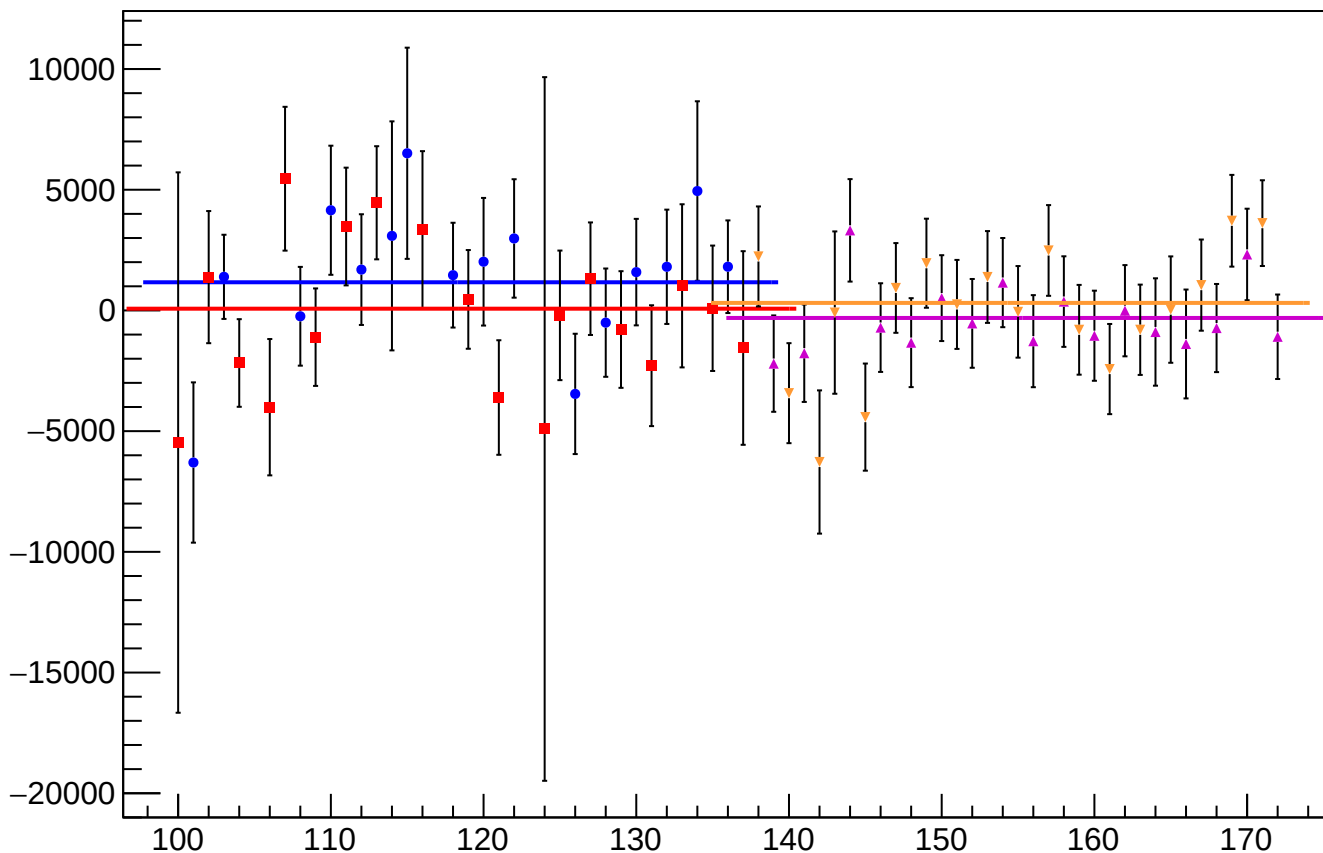
Left In: 877.121+/-0.167 χ^2/NDF : 392816.2/16

+ sign 975.750+/-0.158 χ^2/NDF : 4649391.7/33

All: 964.087+/-0.110 χ^2/NDF : 8533026.7/69

- sign 953.055+/-0.154 χ^2/NDF : 3873051.3/35

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1166.769 $\pm$ 609.171 χ^2 /NDF: 14.4/15

Left Out: 312.120 $\pm$ 469.901 χ^2 /NDF:25.9/17

Right Out: 72.499 $\pm$ 603.362 χ^2 /NDF: 18.3/18

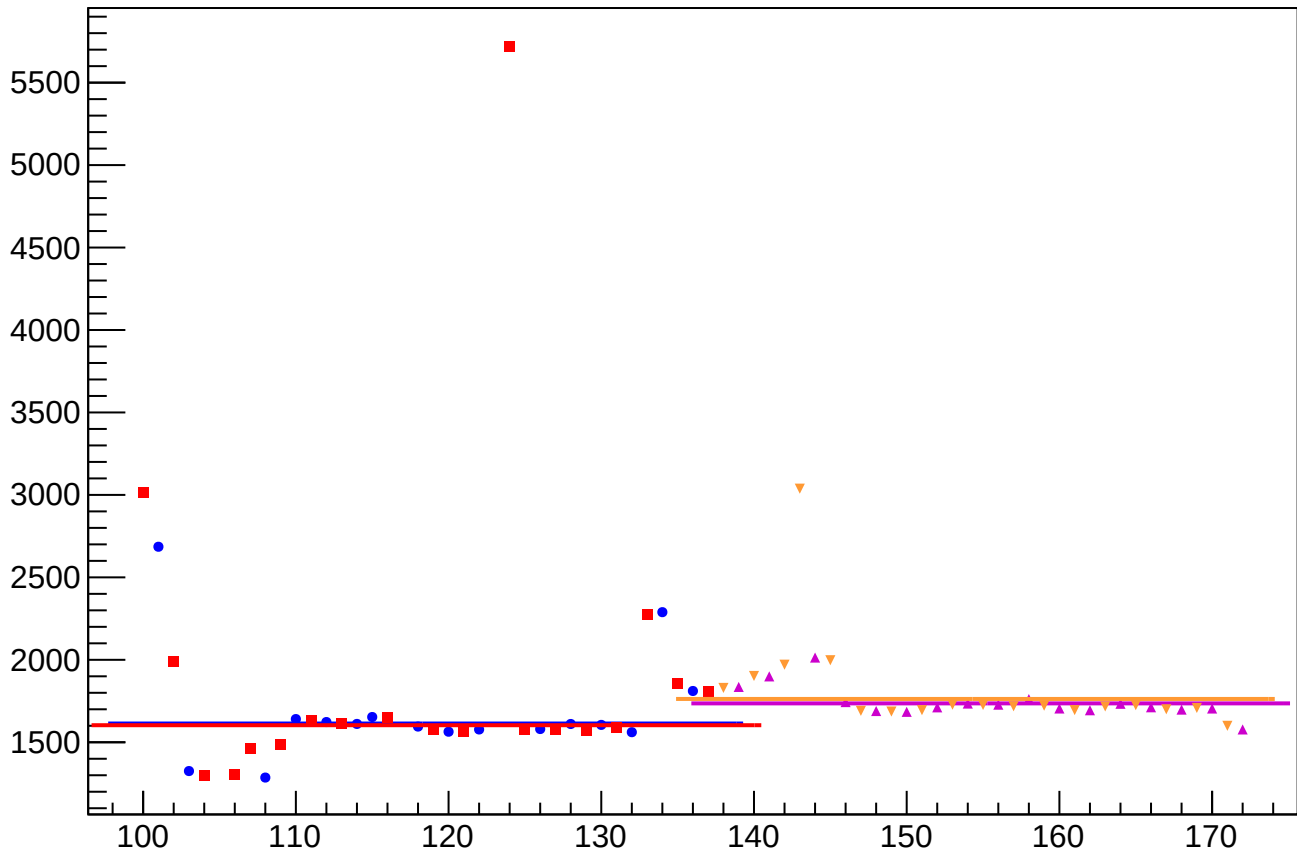
Left In: -311.434 $\pm$ 463.993 χ^2 /NDF:8.6/16

+ sign 630.947 $\pm$ 372.068 χ^2 /NDF: 41.6/33

All: 226.492 $\pm$ 261.574 χ^2 /NDF: 71.1/69

- sign -168.759 $\pm$ 367.810 χ^2 /NDF: 27.1/35

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1613.674 $\pm$ 0.431 χ^2 /NDF: 404688.8/15

Left Out: 1762.740 $\pm$ 0.332 χ^2 /NDF: 368638.0/17

Right Out: 1603.464 $\pm$ 0.427 χ^2 /NDF: 425793.4/18

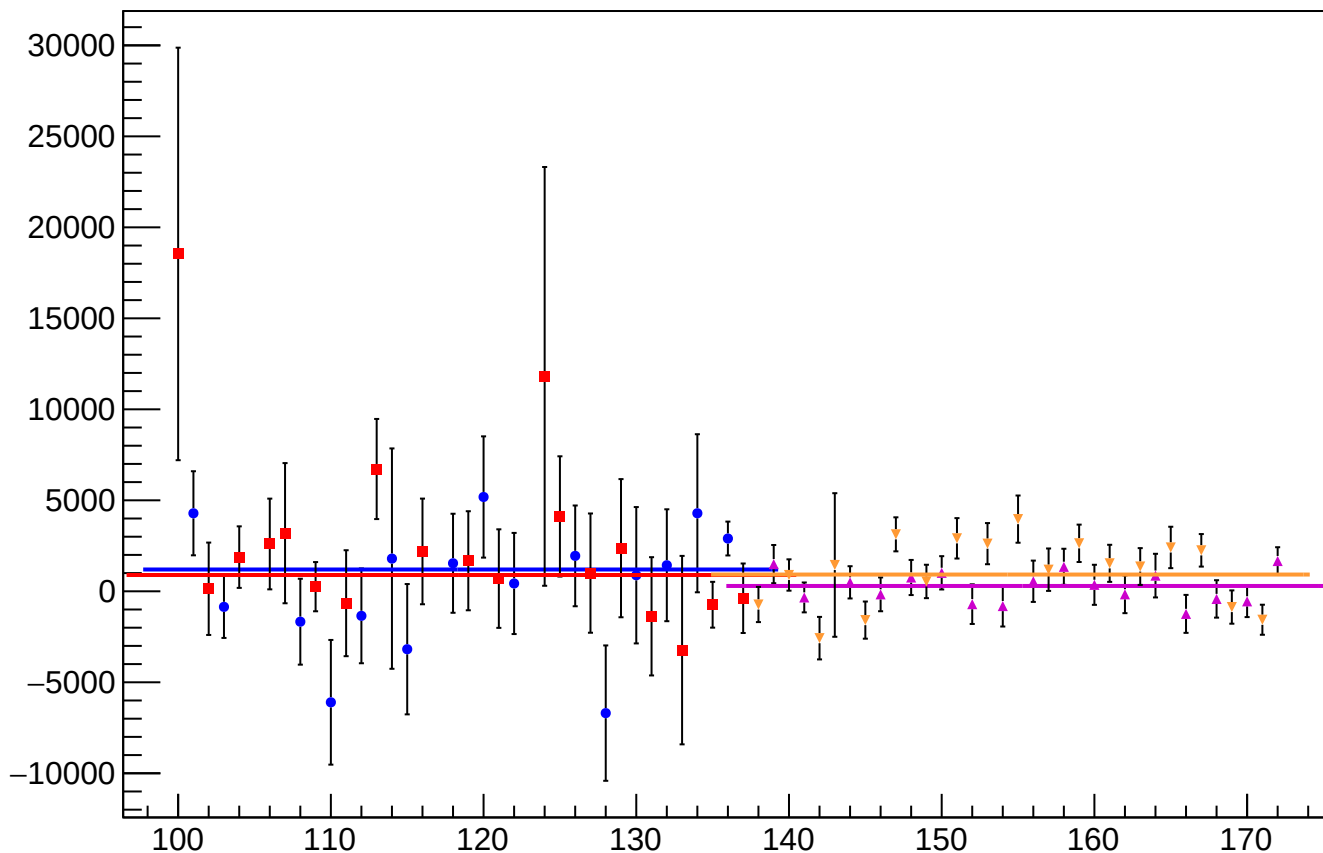
Left In: 1735.839 $\pm$ 0.328 χ^2 /NDF: 75612.1/16

+ sign 1707.131 $\pm$ 0.263 χ^2 /NDF: 848410.3/33

All: 1696.771 $\pm$ 0.185 χ^2 /NDF: 1413376.3/69

- sign 1686.647 $\pm$ 0.260 χ^2 /NDF: 561900.1/35

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1198.338 $\pm$ 578.240 χ^2/NDF : 21.7/15

Left Out: 920.479 $\pm$ 242.516 χ^2/NDF : 54.8/17

Right Out: 895.463 $\pm$ 556.666 χ^2/NDF : 14.2/18

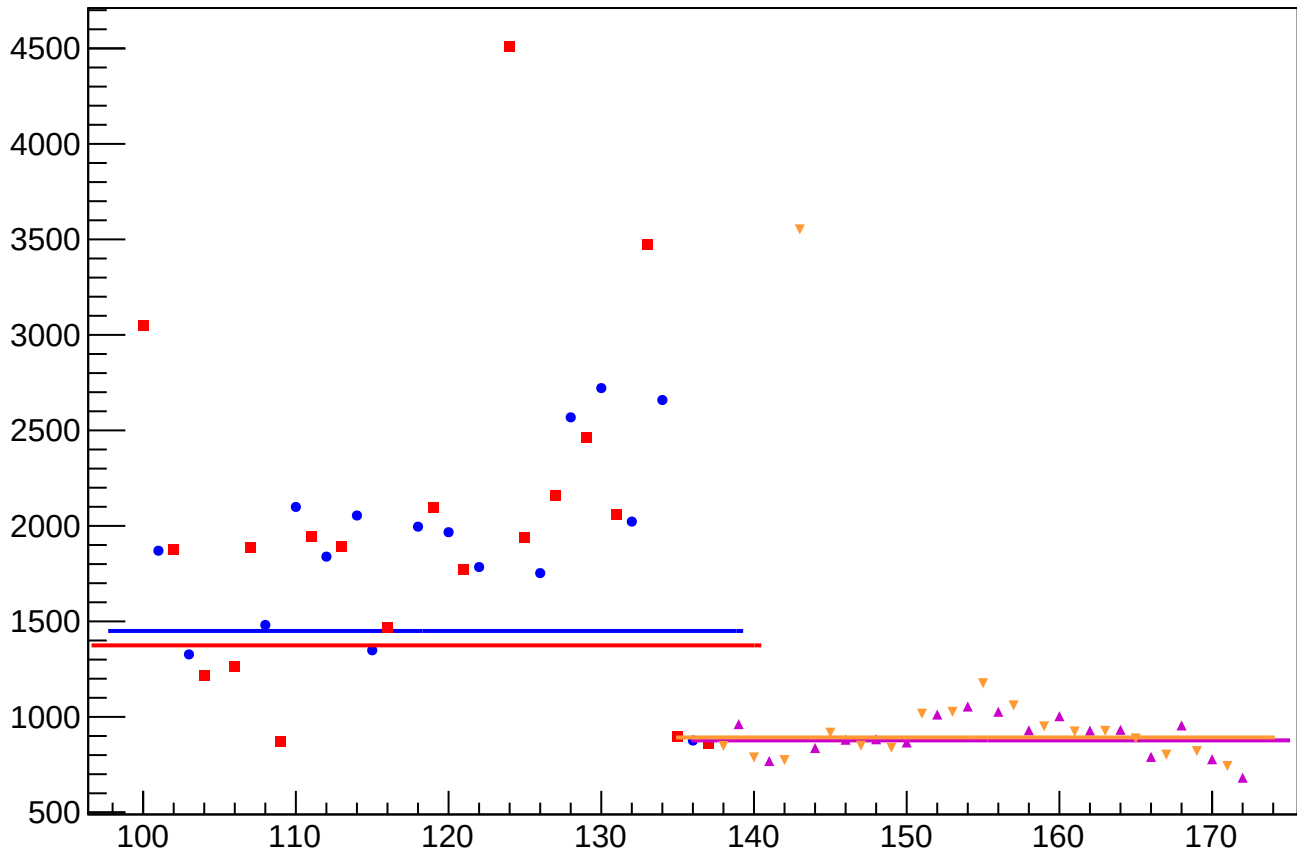
Left In: 293.161 $\pm$ 236.306 χ^2/NDF : 13.3/16

+ sign 962.044 $\pm$ 223.643 χ^2/NDF : 76.7/33

All: 665.576 $\pm$ 155.929 χ^2/NDF : 108.6/69

- sign 385.125 $\pm$ 217.518 χ^2/NDF : 28.5/35

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1449.939 $\pm$ 0.409 χ^2 /NDF: 1792673.2/15

Left Out: 892.340 $\pm$ 0.171 χ^2 /NDF: 1275156.5/17

+ sign 975.750 $\pm$ 0.158 χ^2 /NDF: 4649391.7/33

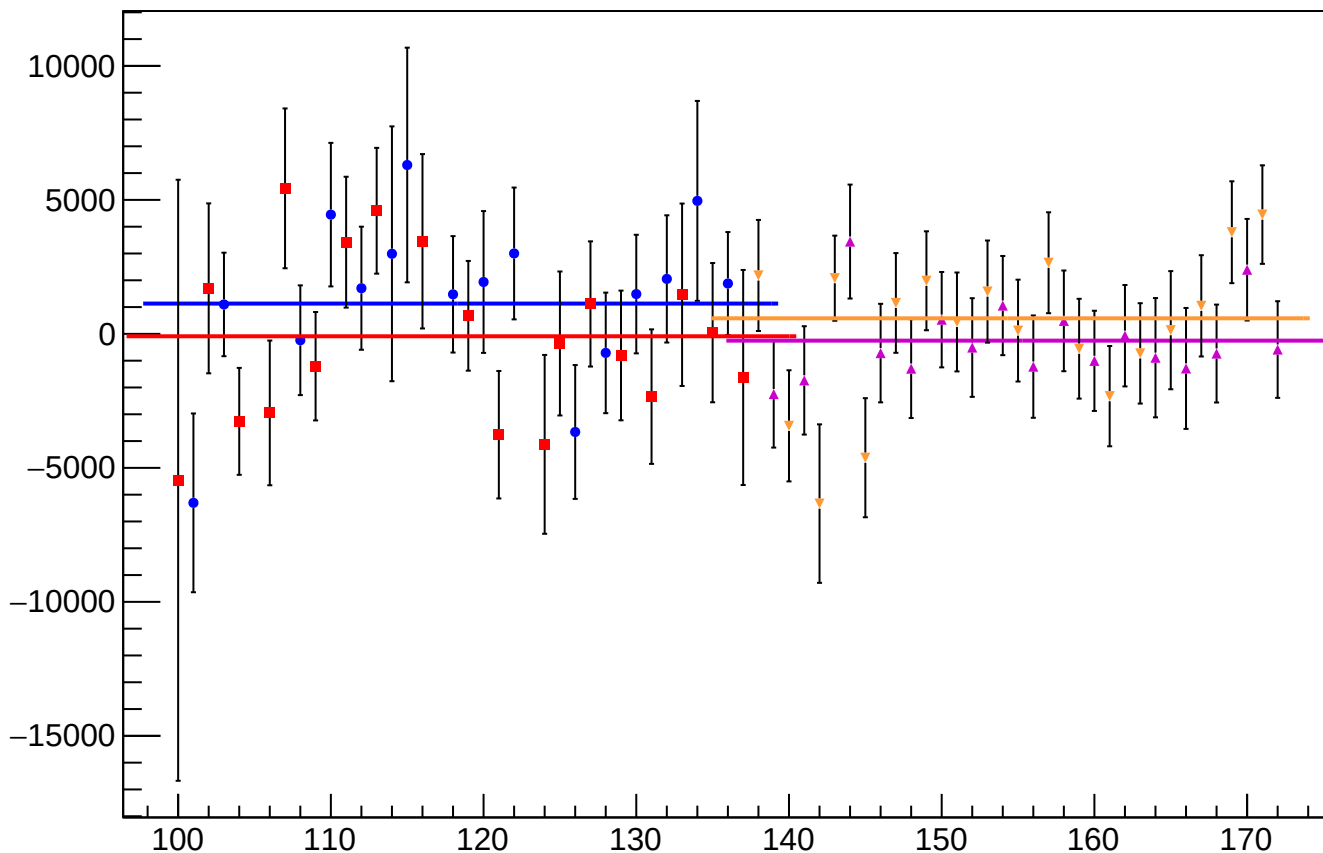
Right Out: 1374.438 $\pm$ 0.394 χ^2 /NDF: 2127695.6/18

All: 964.087 $\pm$ 0.110 χ^2 /NDF: 8533026.7/69

Left In: 877.121 $\pm$ 0.167 χ^2 /NDF: 392816.2/16

- sign 953.055 $\pm$ 0.154 χ^2 /NDF: 3873051.3/35

dit_asym_at2_dd_mean vs Slug



Right In: 1130.726 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: 581.217 $\pm$ 456.108 χ^2 /NDF: 29.1/17

Right Out: -89.220 $\pm$ 603.072 χ^2 /NDF: 20.7/18

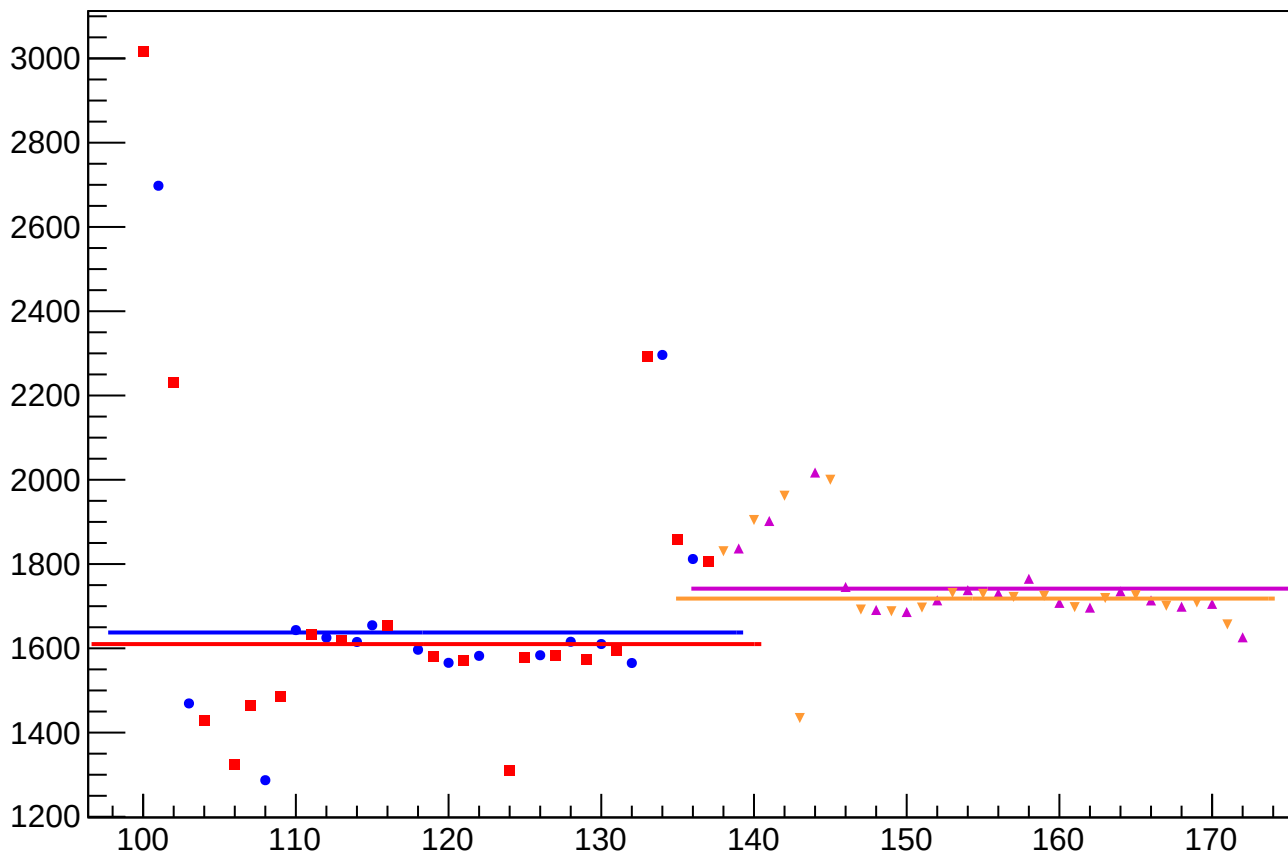
Left In: -252.158 $\pm$ 465.471 χ^2 /NDF: 8.6/16

+ sign 775.299 $\pm$ 366.823 χ^2 /NDF: 44.6/33

All: 294.163 $\pm$ 259.967 χ^2 /NDF: 77.3/69

- sign -191.329 $\pm$ 368.480 χ^2 /NDF: 29.3/35

dit_asym_at2_dd_rms vs Slug



Right In: 1637.574 $\pm$ 0.436 χ^2 /NDF: 361417.0/15

Left Out: 1718.049 $\pm$ 0.323 χ^2 /NDF:135707.4/17

Right Out: 1610.043 $\pm$ 0.426 χ^2 /NDF: 280812.5/18

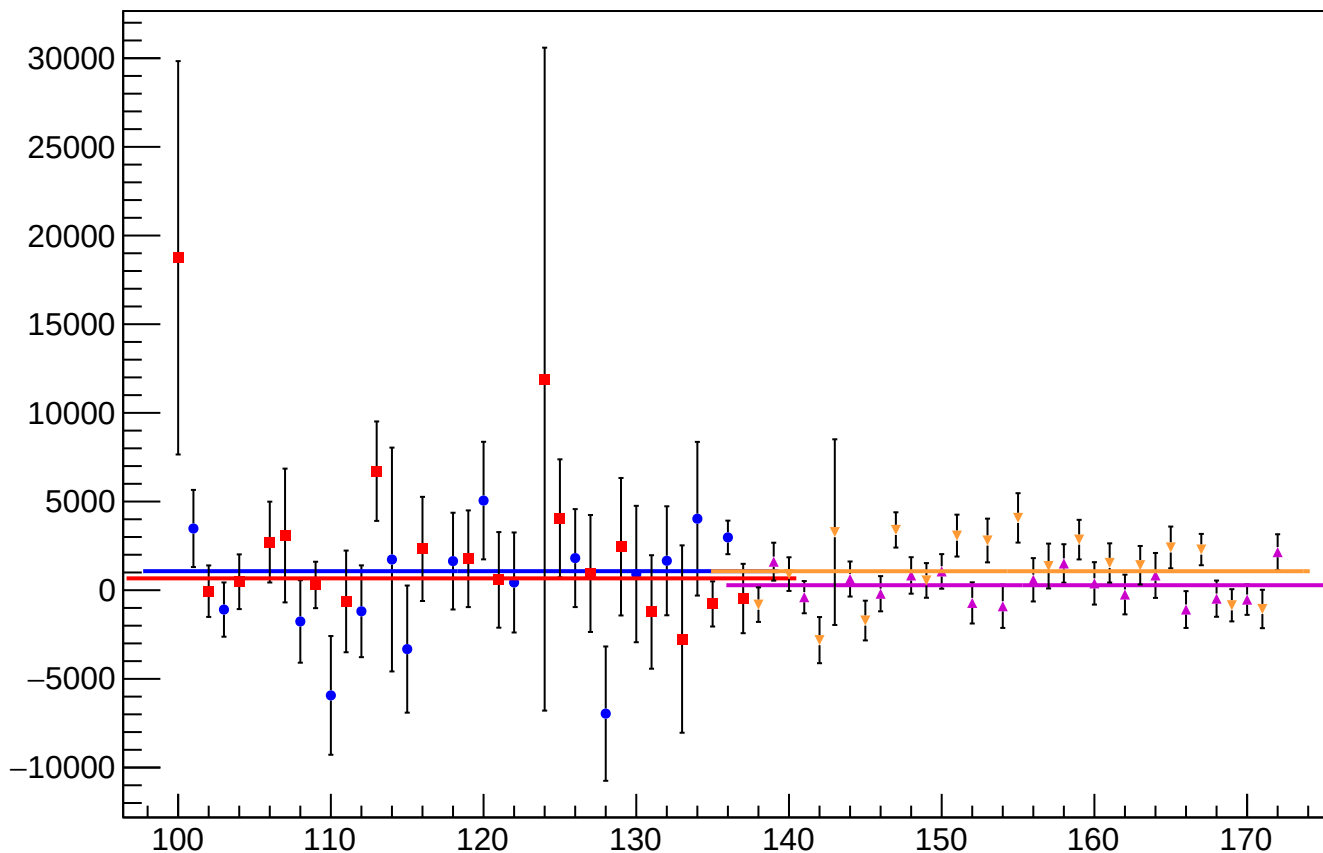
Left In: 1741.626 $\pm$ 0.329 χ^2 /NDF:67199.1/16

+ sign 1689.626 $\pm$ 0.259 χ^2 /NDF: 519114.6/33

All: 1691.058 $\pm$ 0.184 χ^2 /NDF: 926854.1/69

- sign 1692.502 $\pm$ 0.261 χ^2 /NDF: 407678.2/35

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

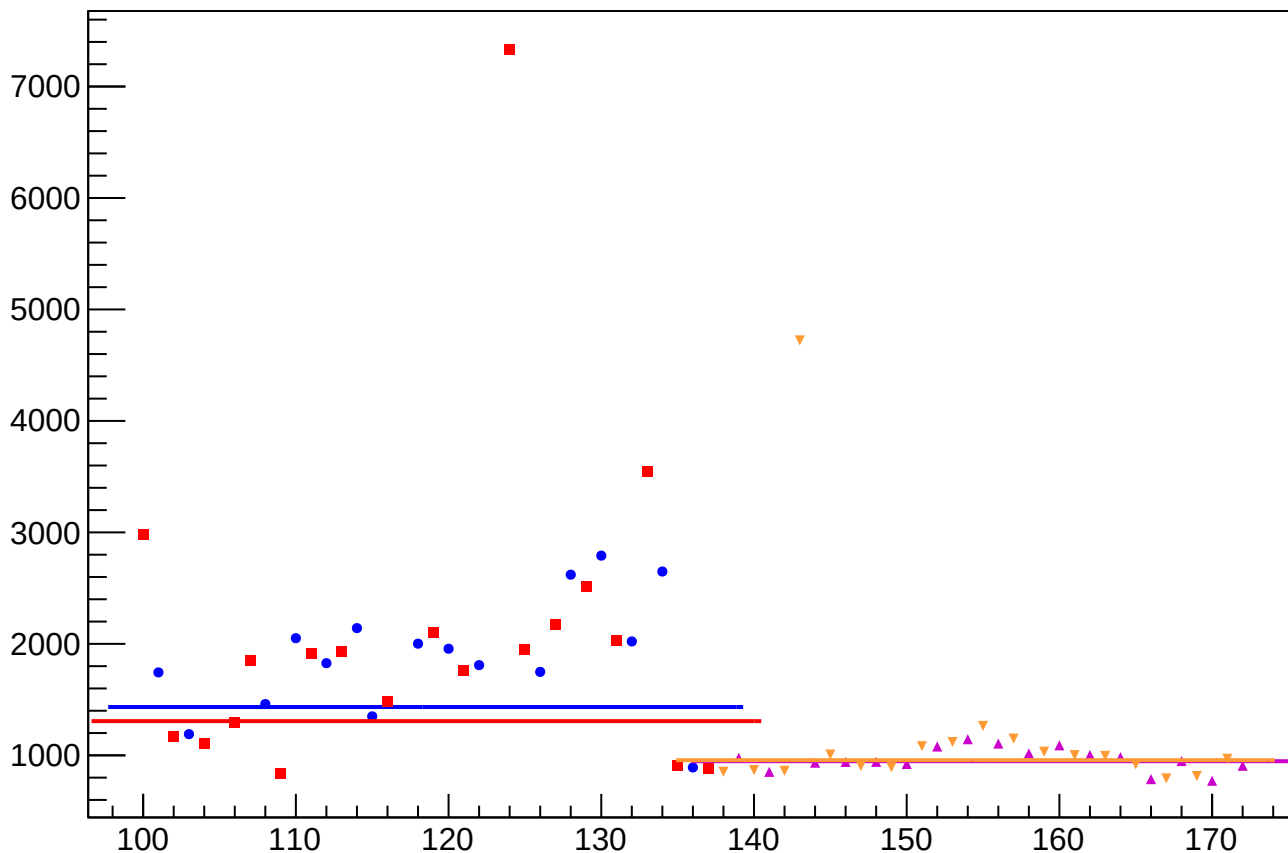
Left In: 281.505+/-254.844 χ^2/NDF : 13.4/16

+ sign 1071.117+/-237.255 χ^2/NDF : 70.8/33

All: 700.857+/-164.819 χ^2/NDF : 102.9/69

- sign 355.513+/-229.134 χ^2/NDF : 27.4/35

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1433.477 ± 0.404 $\chi^2/\text{NDF}: 1763491.8/15$

Left Out: 956.694 ± 0.184 $\chi^2/\text{NDF}: 1440639.2/17$

Right Out: 1306.866 ± 0.370 $\chi^2/\text{NDF}: 2183906.3/18$

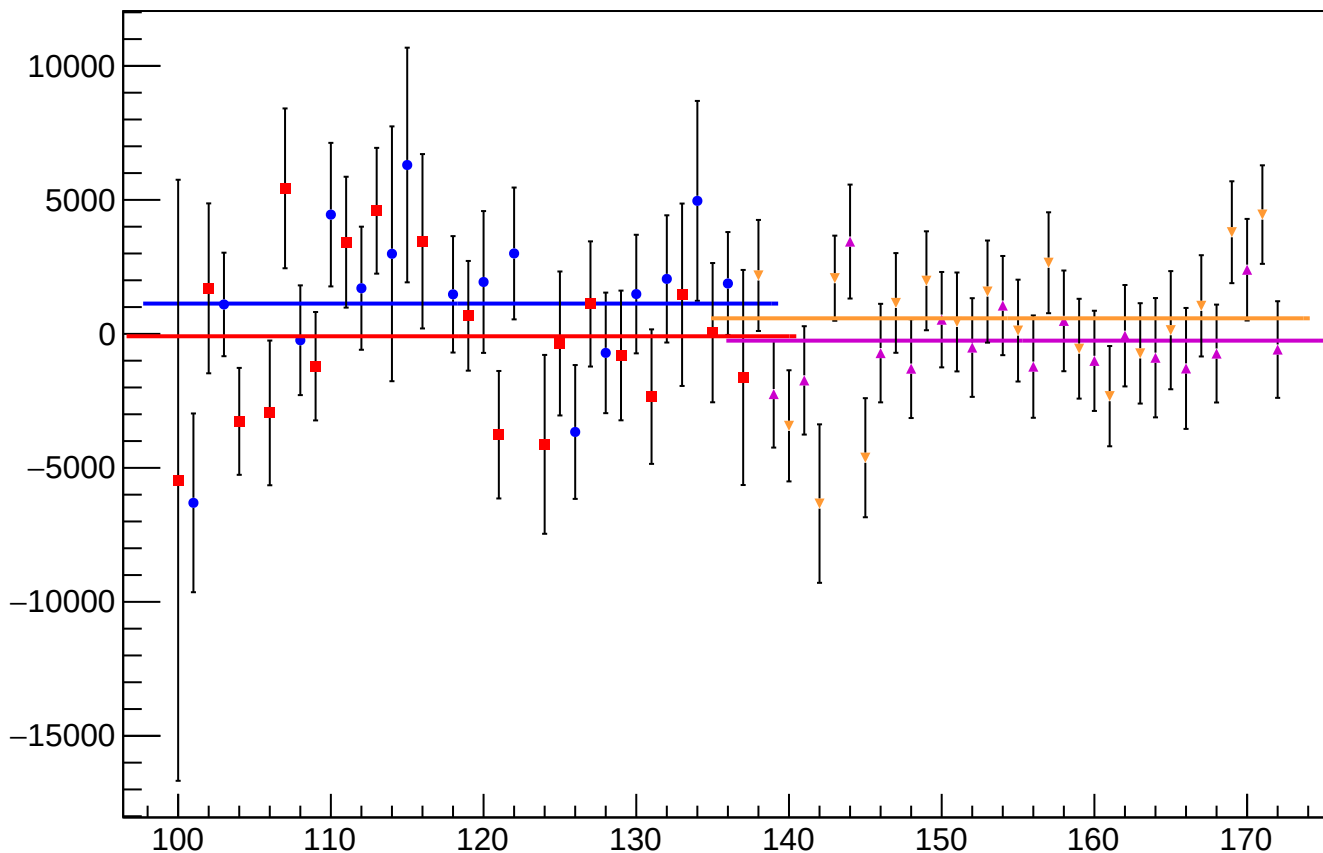
Left In: 947.316 ± 0.180 $\chi^2/\text{NDF}: 314833.8/16$

+ sign 1038.834 ± 0.168 $\chi^2/\text{NDF}: 4355878.2/33$

All: 1027.125 ± 0.117 $\chi^2/\text{NDF}: 7626785.4/69$

- sign 1016.204 ± 0.162 $\chi^2/\text{NDF}: 3261492.5/35$

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1130.728 $\pm$ 617.236 χ^2 /NDF: 15.0/15

Left Out: 581.211 $\pm$ 456.108 χ^2 /NDF: 29.1/17

Right Out: -89.225 $\pm$ 603.072 χ^2 /NDF: 20.7/18

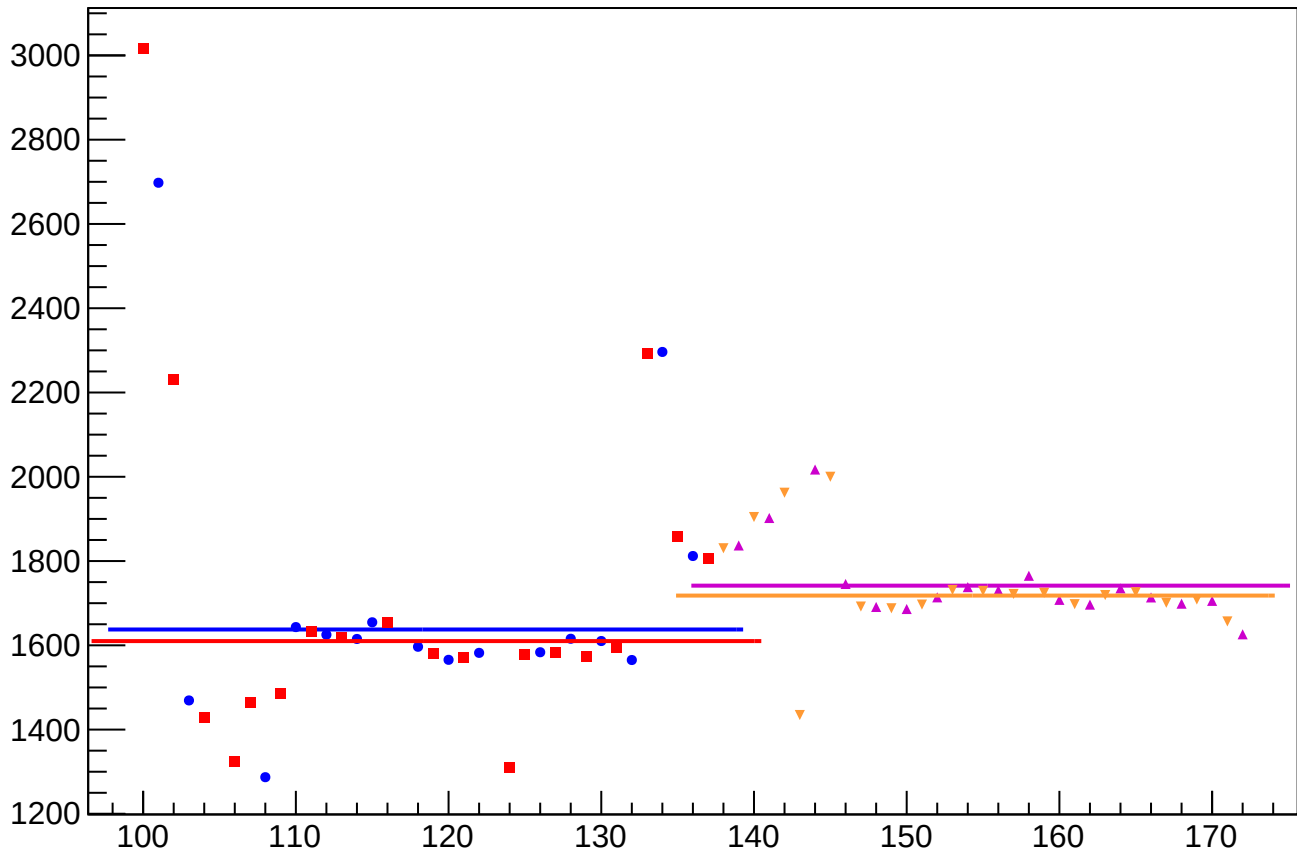
Left In: -252.160 $\pm$ 465.471 χ^2 /NDF: 8.6/16

+ sign 775.295 $\pm$ 366.823 χ^2 /NDF: 44.6/33

All: 294.160 $\pm$ 259.967 χ^2 /NDF: 77.3/69

- sign -191.332 $\pm$ 368.480 χ^2 /NDF: 29.3/35

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

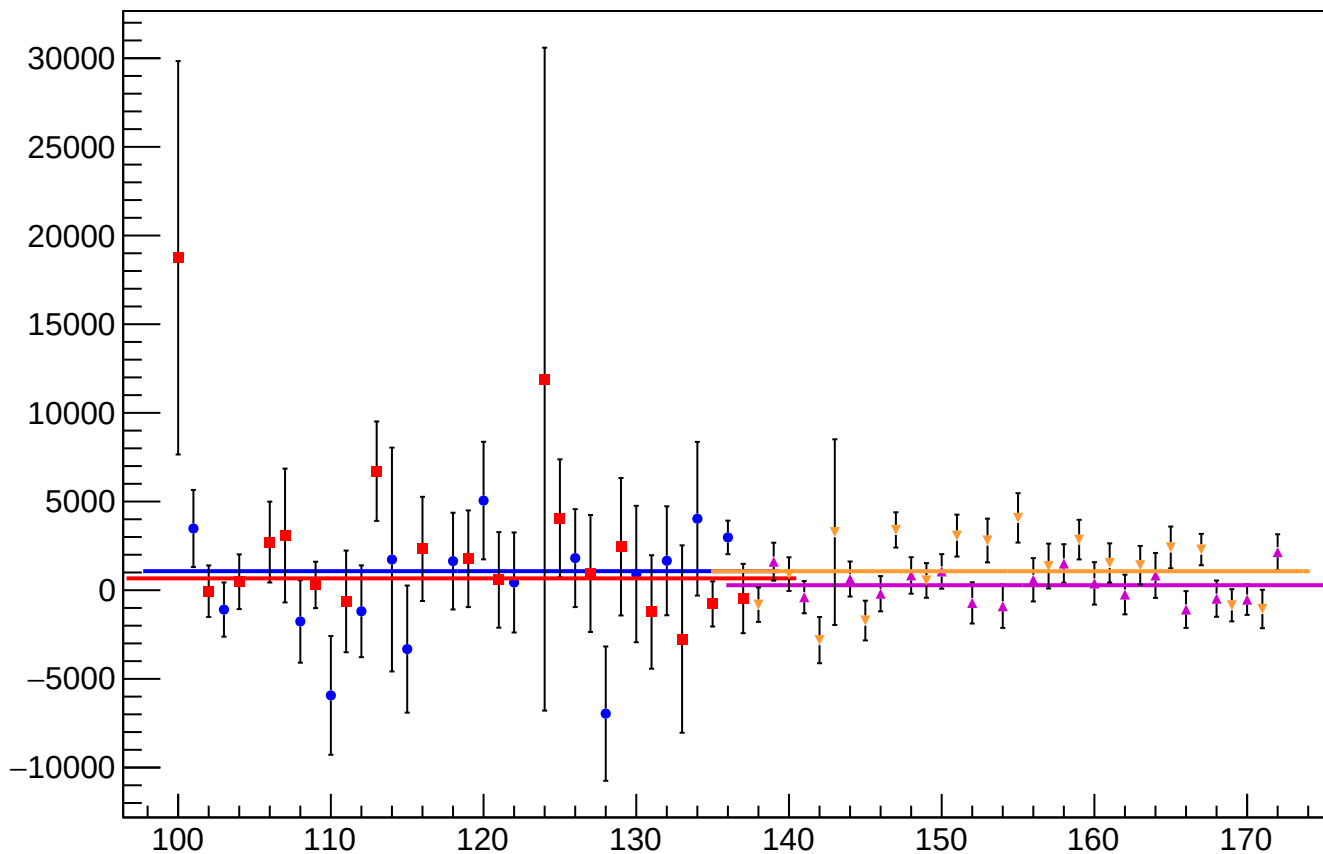
Left In: 1741.626+/-0.329 χ^2/NDF :67199.6/16

+ sign 1689.626+/-0.259 χ^2/NDF : 519113.7/33

All: 1691.058+/-0.184 χ^2/NDF : 926853.7/69

- sign 1692.502+/-0.261 χ^2/NDF : 407678.8/35

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1073.589 $\pm$ 571.613 χ^2 /NDF: 22.0/15

Left Out: 1070.606 $\pm$ 260.780 χ^2 /NDF: 48.8/17

Right Out: 667.789 $\pm$ 523.481 χ^2 /NDF: 13.6/18

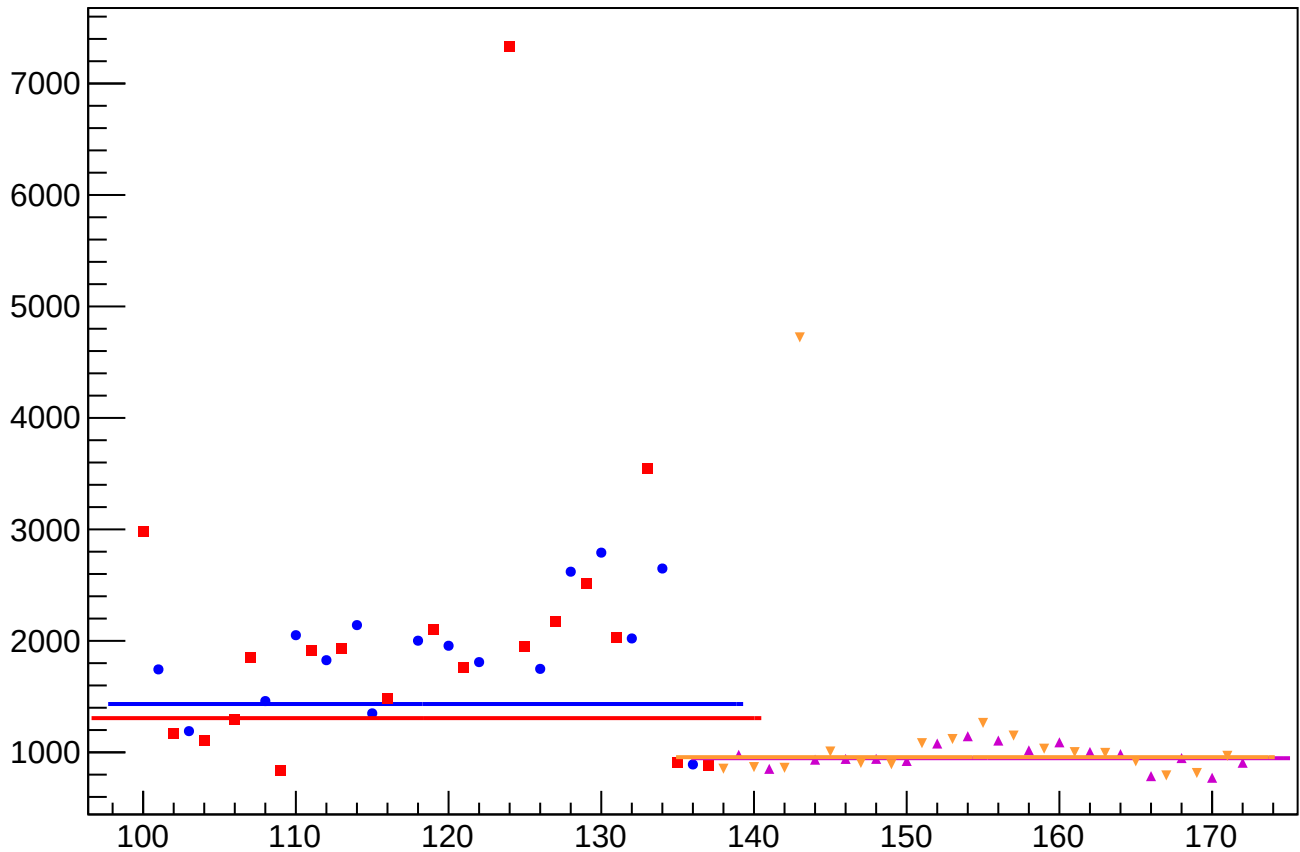
Left In: 281.503 $\pm$ 254.844 χ^2 /NDF: 13.4/16

+ sign 1071.120 $\pm$ 237.256 χ^2 /NDF: 70.8/33

All: 700.858 $\pm$ 164.819 χ^2 /NDF: 102.9/69

- sign 355.512 $\pm$ 229.134 χ^2 /NDF: 27.4/35

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1433.492 ± 0.404 $\chi^2/\text{NDF}: 1763397.4/15$

Left Out: 956.695 ± 0.184 $\chi^2/\text{NDF}: 1440623.4/17$

+ sign 1038.837 ± 0.168 $\chi^2/\text{NDF}: 4355822.1/33$

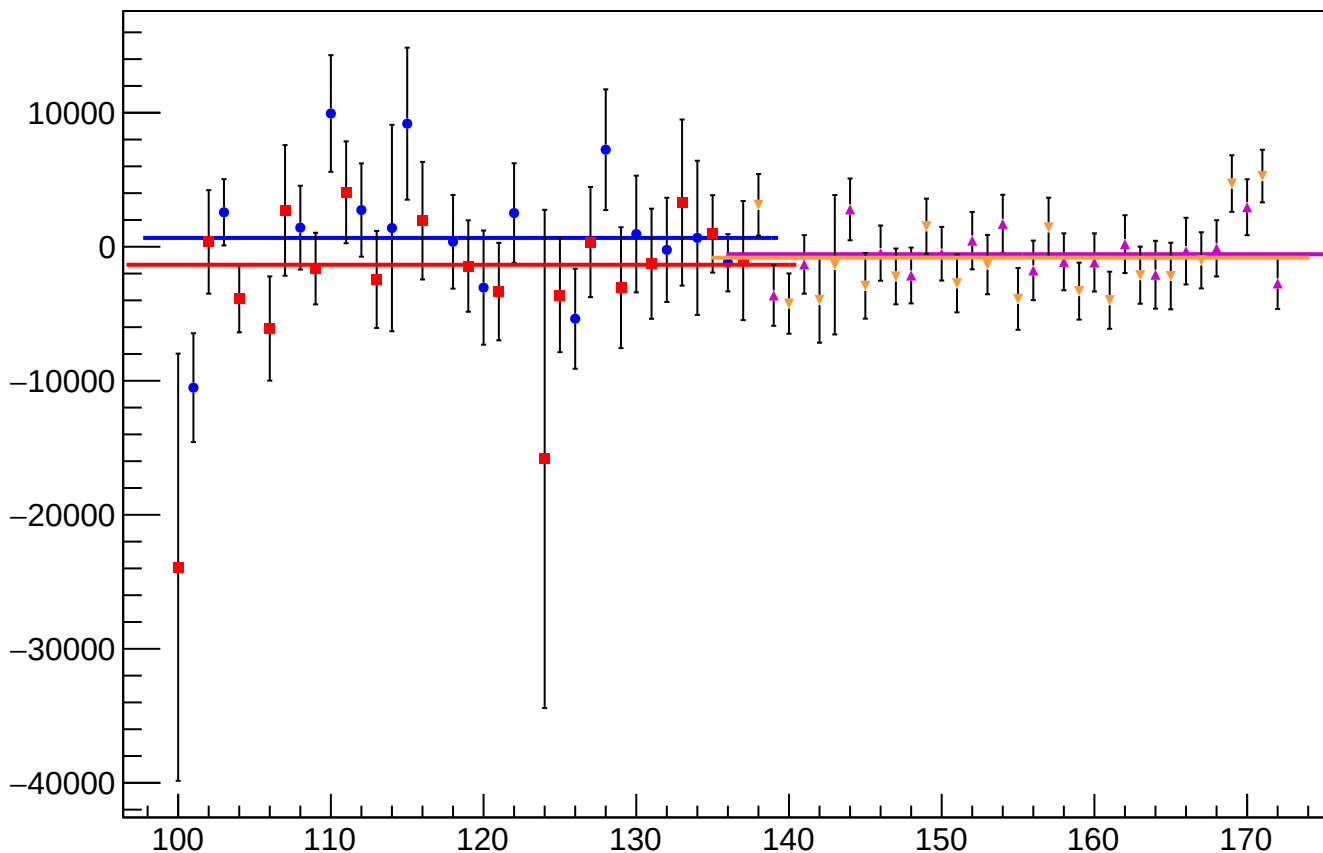
Right Out: 1306.880 ± 0.370 $\chi^2/\text{NDF}: 2183835.0/18$

All: 1027.127 ± 0.117 $\chi^2/\text{NDF}: 7626714.8/69$

Left In: 947.315 ± 0.180 $\chi^2/\text{NDF}: 314838.2/16$

- sign 1016.205 ± 0.162 $\chi^2/\text{NDF}: 3261476.4/35$

asym_at2_dd_mean vs Slug



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

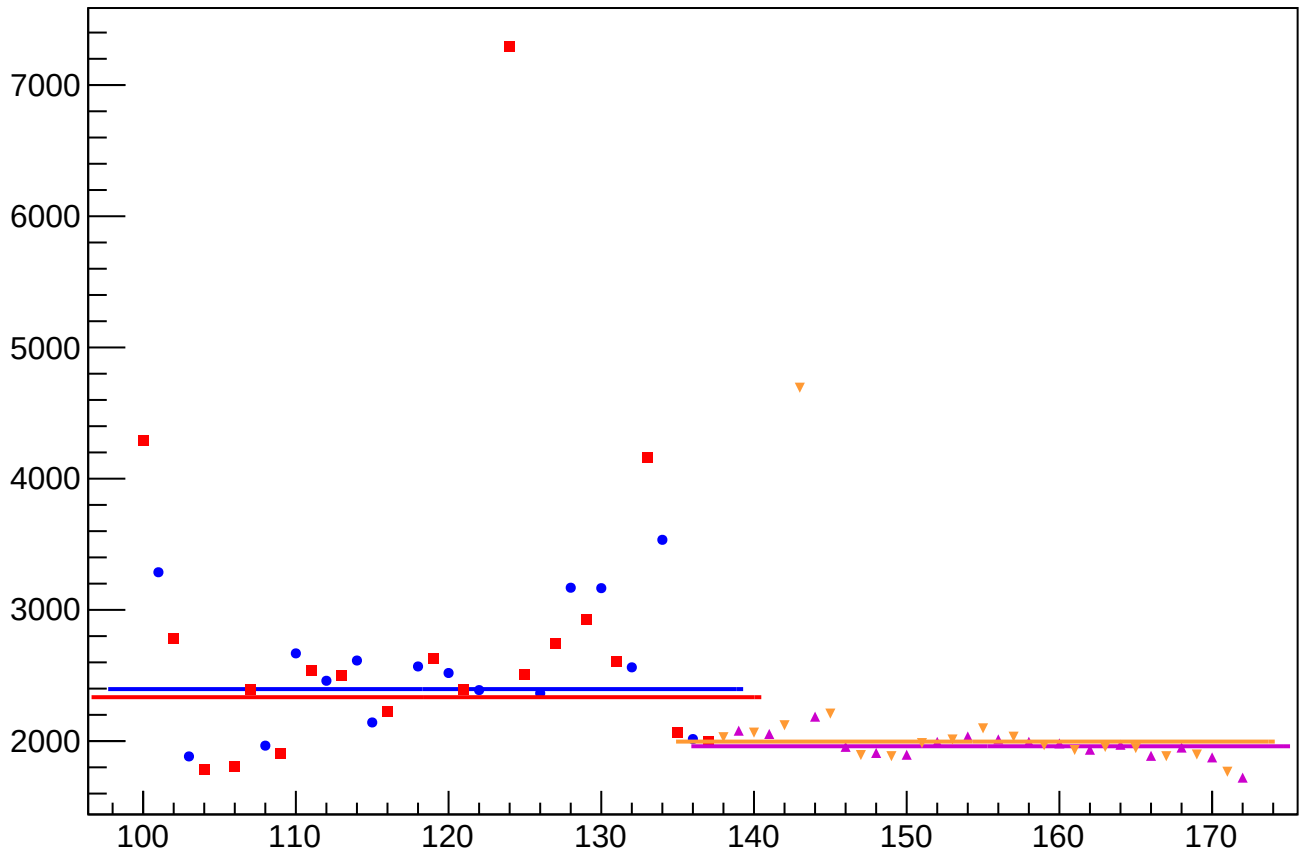
Left In: -555.722 ± 524.066 χ^2/NDF : 11.1/16

+ sign -437.037 ± 460.842 χ^2/NDF : 57.1/33

All: -600.727 ± 322.572 χ^2/NDF : 79.9/69

- sign -757.963 ± 451.667 χ^2/NDF : 22.5/35

asym_at2_dd_rms vs Slug



Right In: 2396.276 $\pm$ 0.643 χ^2 /NDF: 507897.2/15

Left Out: 1996.148 $\pm$ 0.378 χ^2 /NDF: 614664.0/17

Right Out: 2334.592 $\pm$ 0.630 χ^2 /NDF: 681568.6/18

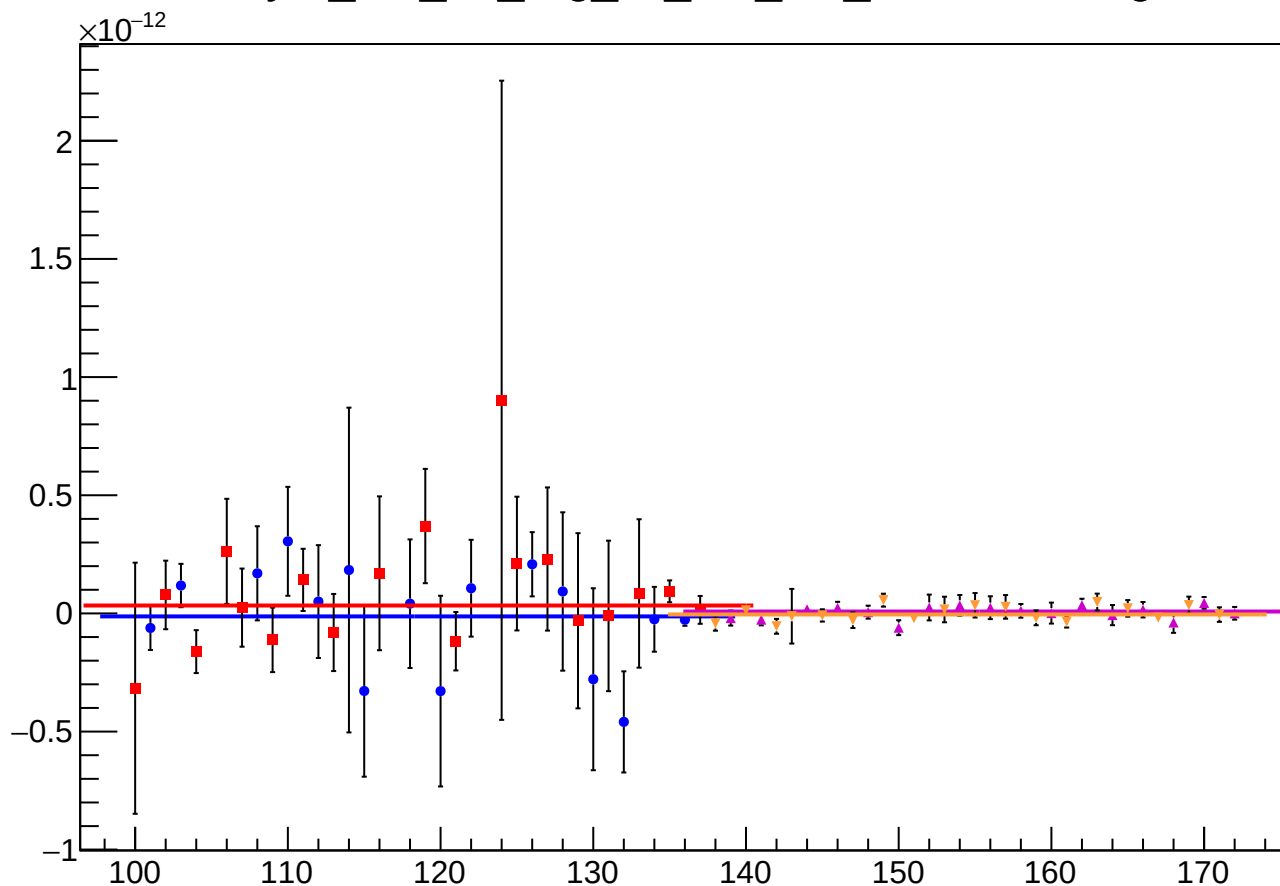
Left In: 1960.504 $\pm$ 0.371 χ^2 /NDF: 73091.9/16

+ sign 2098.862 $\pm$ 0.326 χ^2 /NDF: 1410246.9/33

All: 2077.370 $\pm$ 0.228 χ^2 /NDF: 2435558.8/69

- sign 2056.726 $\pm$ 0.319 χ^2 /NDF: 1016783.7/35

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

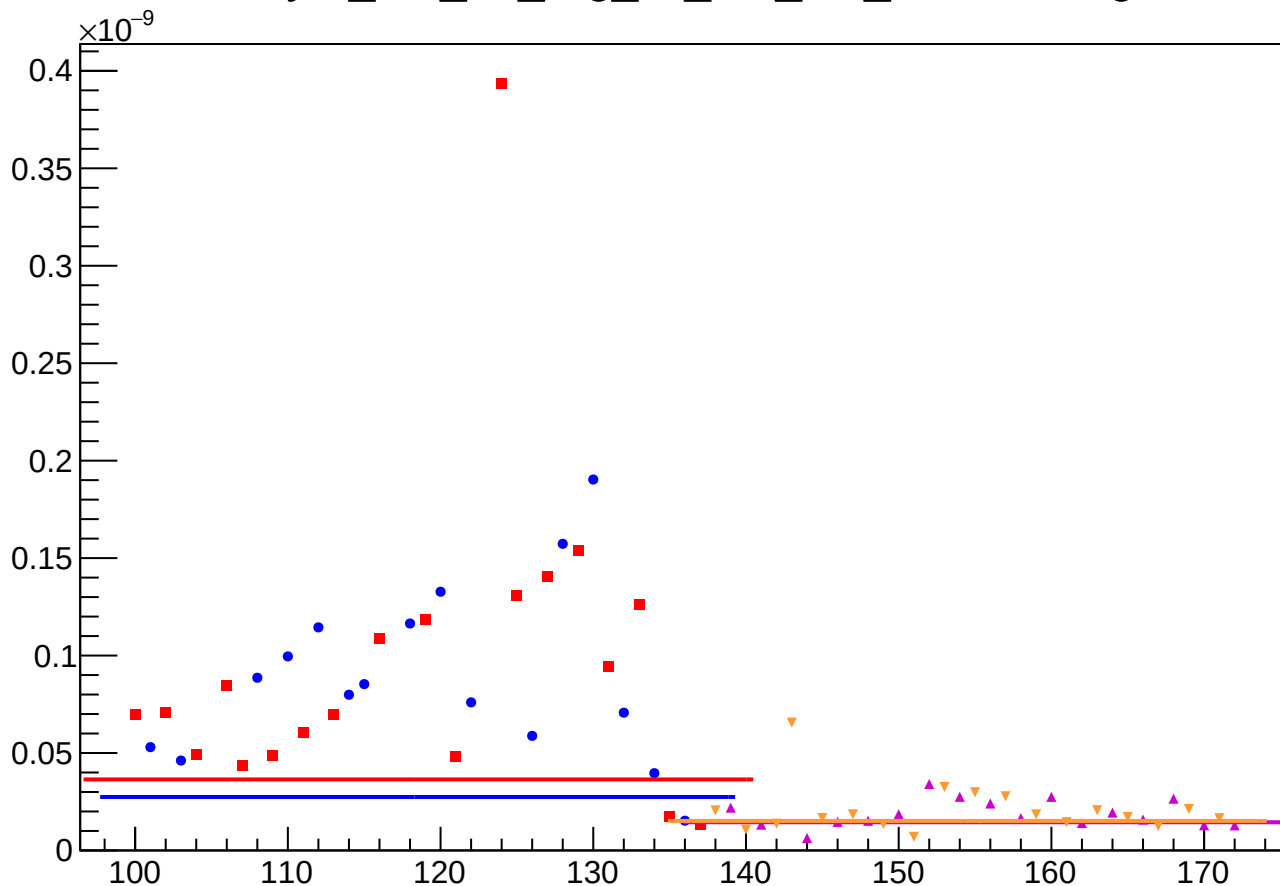
Left In: 0.000+/-0.000 χ^2/NDF : 13.3/16

+ sign -0.000+/-0.000 χ^2/NDF : 33.2/33

All: 0.000+/-0.000 χ^2/NDF : 64.9/69

- sign 0.000+/-0.000 χ^2/NDF : 29.3/35

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

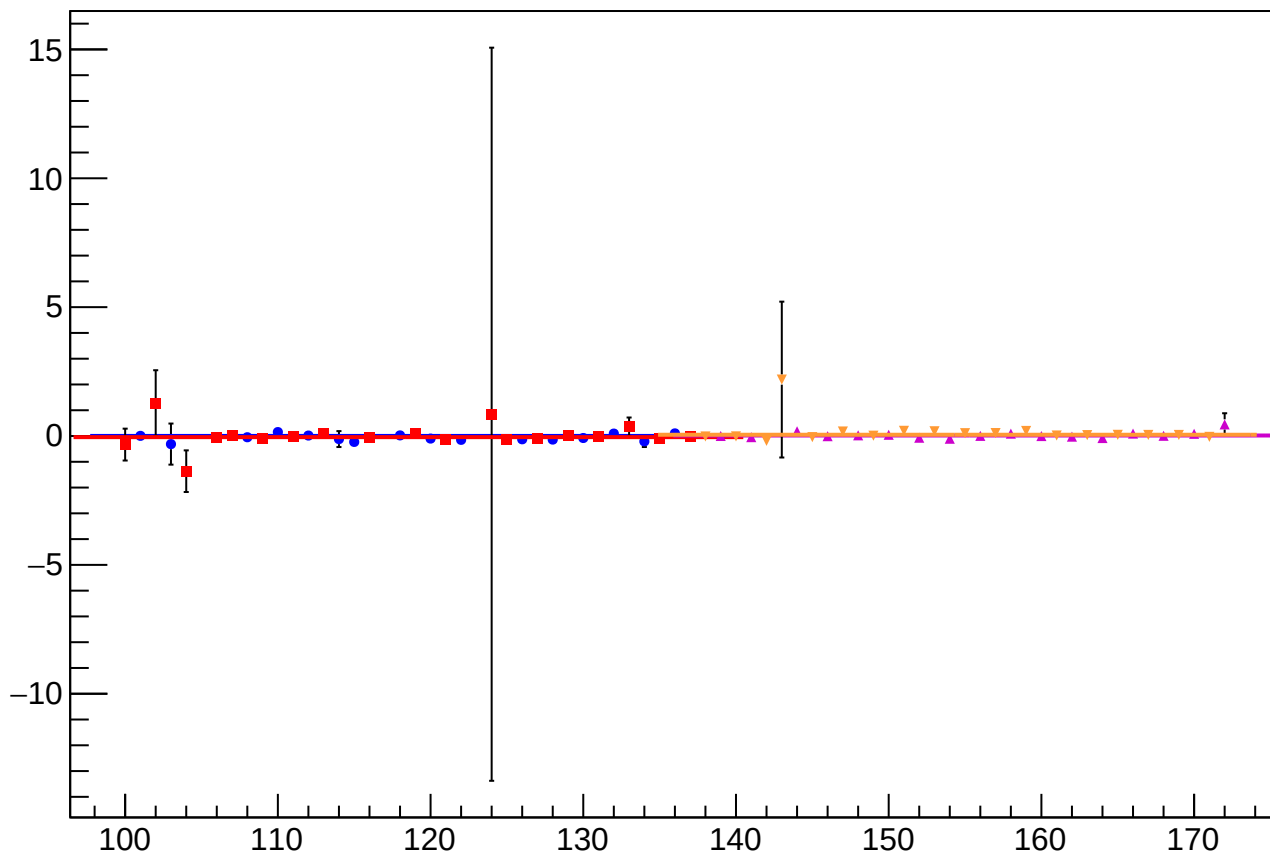
Left In: 0.000+/-0.000 χ^2/NDF :1737097.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4929303.5/33

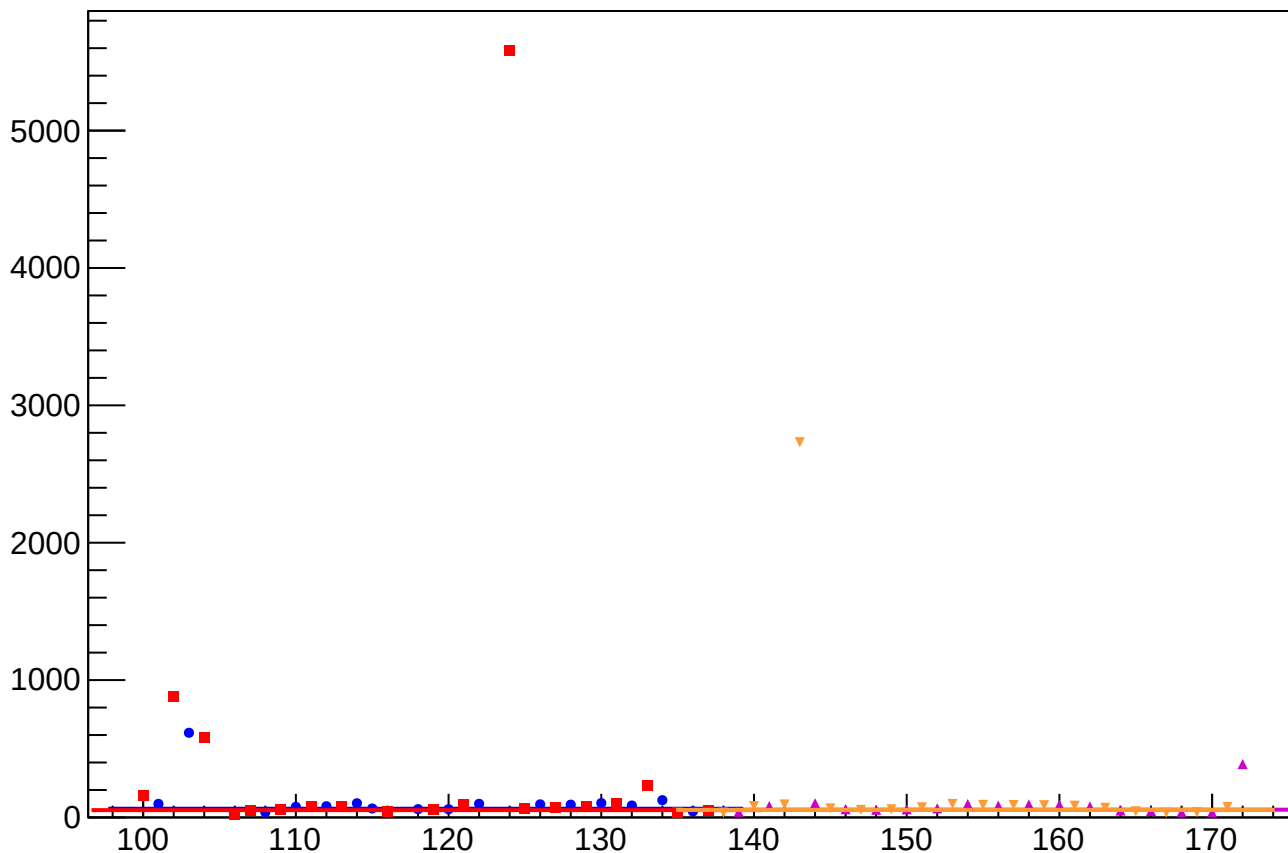
All: 0.000+/-0.000 χ^2/NDF : 10277061.0/69

- sign 0.000+/-0.000 χ^2/NDF : 5341626.5/35

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



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

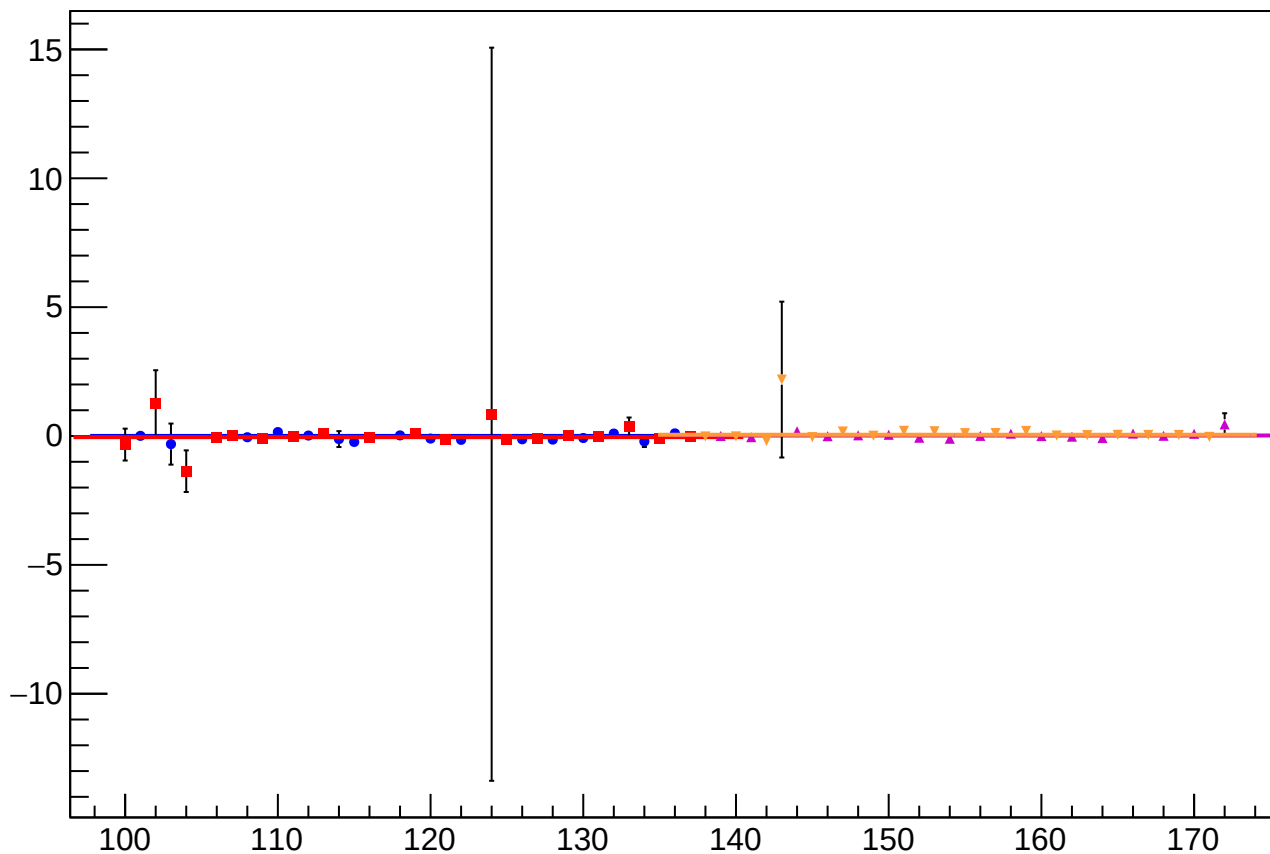
Left In: 56.500 ± 0.012 χ^2/NDF : 3835817.3/16

+ sign 57.280 ± 0.010 χ^2/NDF : 7136141.4/33

All: 56.335 ± 0.007 χ^2/NDF : 14958183.0/69

- sign 55.434 ± 0.010 χ^2/NDF : 7805385.0/35

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

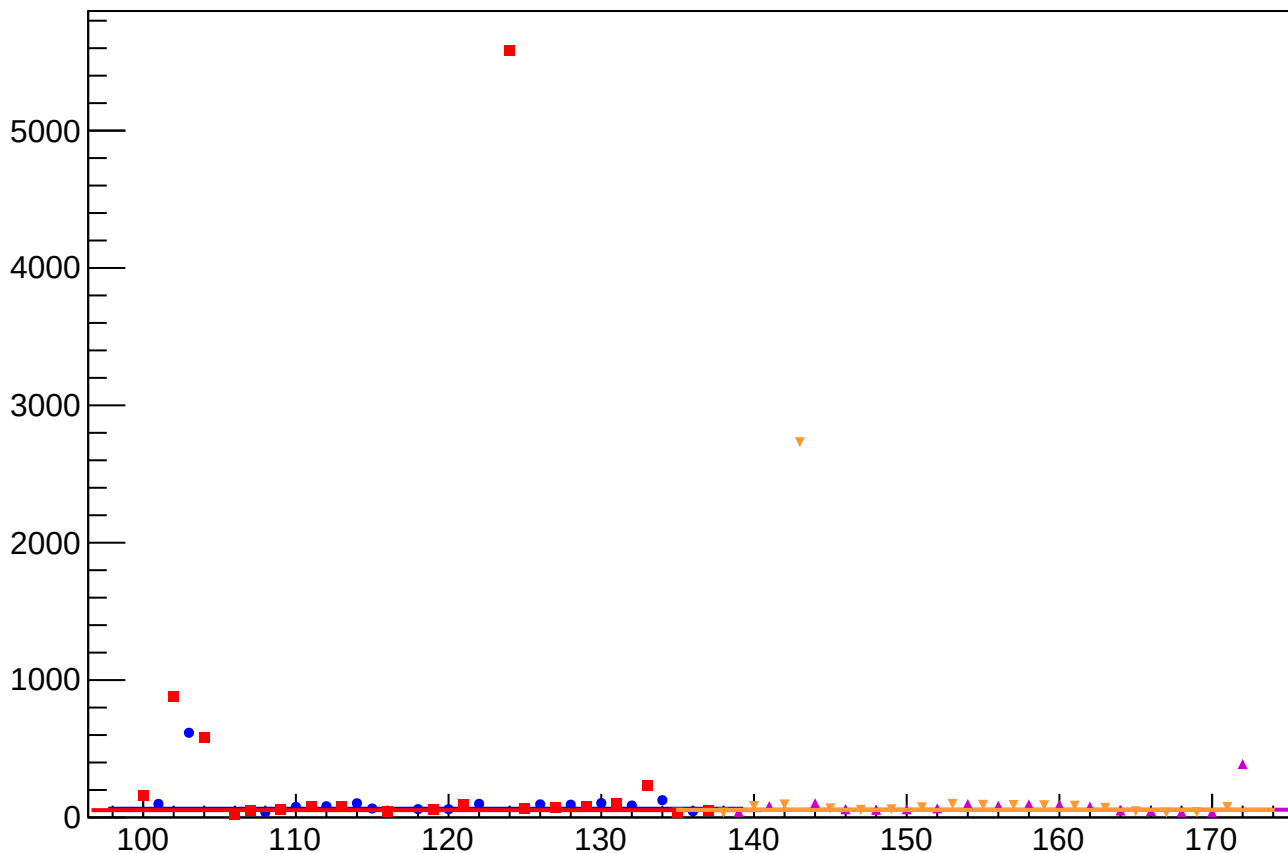
Left In: 0.020 ± 0.017 χ^2/NDF : 12.7/16

+ sign 0.036 ± 0.014 χ^2/NDF : 35.1/33

All: 0.017 ± 0.010 χ^2/NDF : 68.2/69

- sign -0.001 ± 0.014 χ^2/NDF : 29.9/35

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

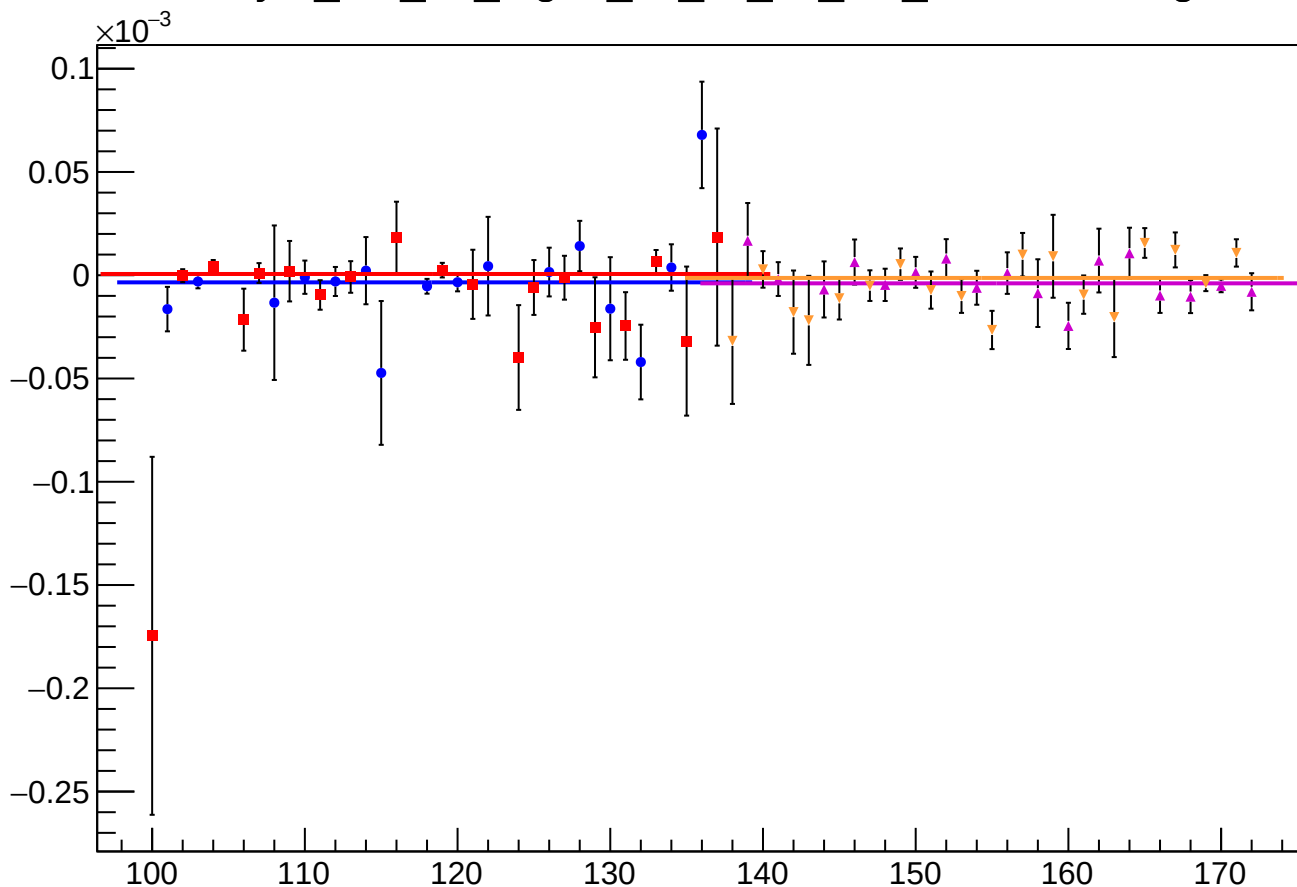
Left In: 56.500+/-0.012 χ^2/NDF : 3835817.3/16

+ sign 57.280+/-0.010 χ^2/NDF : 7136141.4/33

All: 56.335+/-0.007 χ^2/NDF : 14958183.0/69

- sign 55.434+/-0.010 χ^2/NDF : 7805385.0/35

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

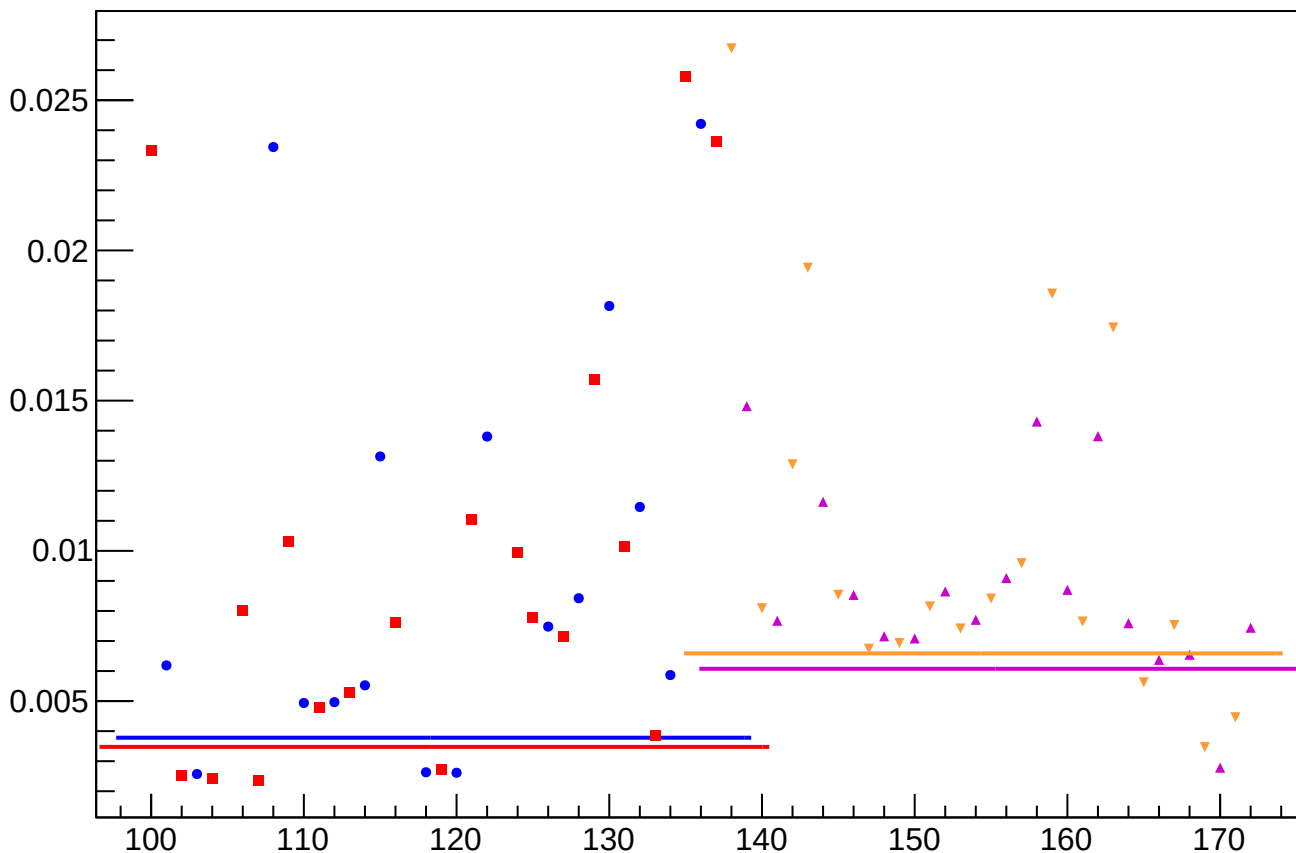
Left In: -0.000+/-0.000 χ^2 /NDF: 11.6/16

+ sign -0.000+/-0.000 χ^2 /NDF: 48.2/33

All: -0.000+/-0.000 χ^2 /NDF: 82.9/69

- sign -0.000+/-0.000 χ^2 /NDF: 34.1/35

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 4719536.5/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 5161598.6/17

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4495340.7/18

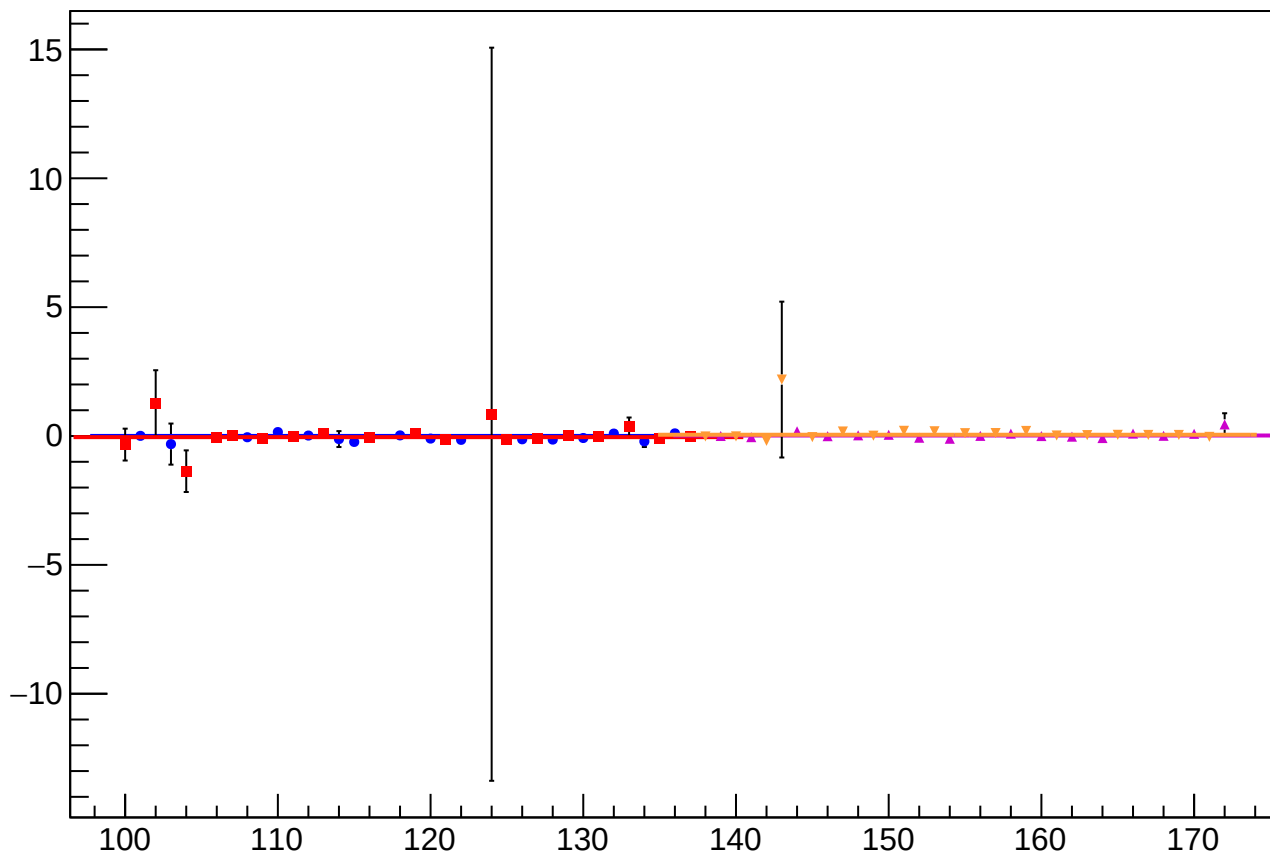
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 4909325.6/16

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 12034087.6/33

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 23855695.5/69

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 11626609.5/35

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

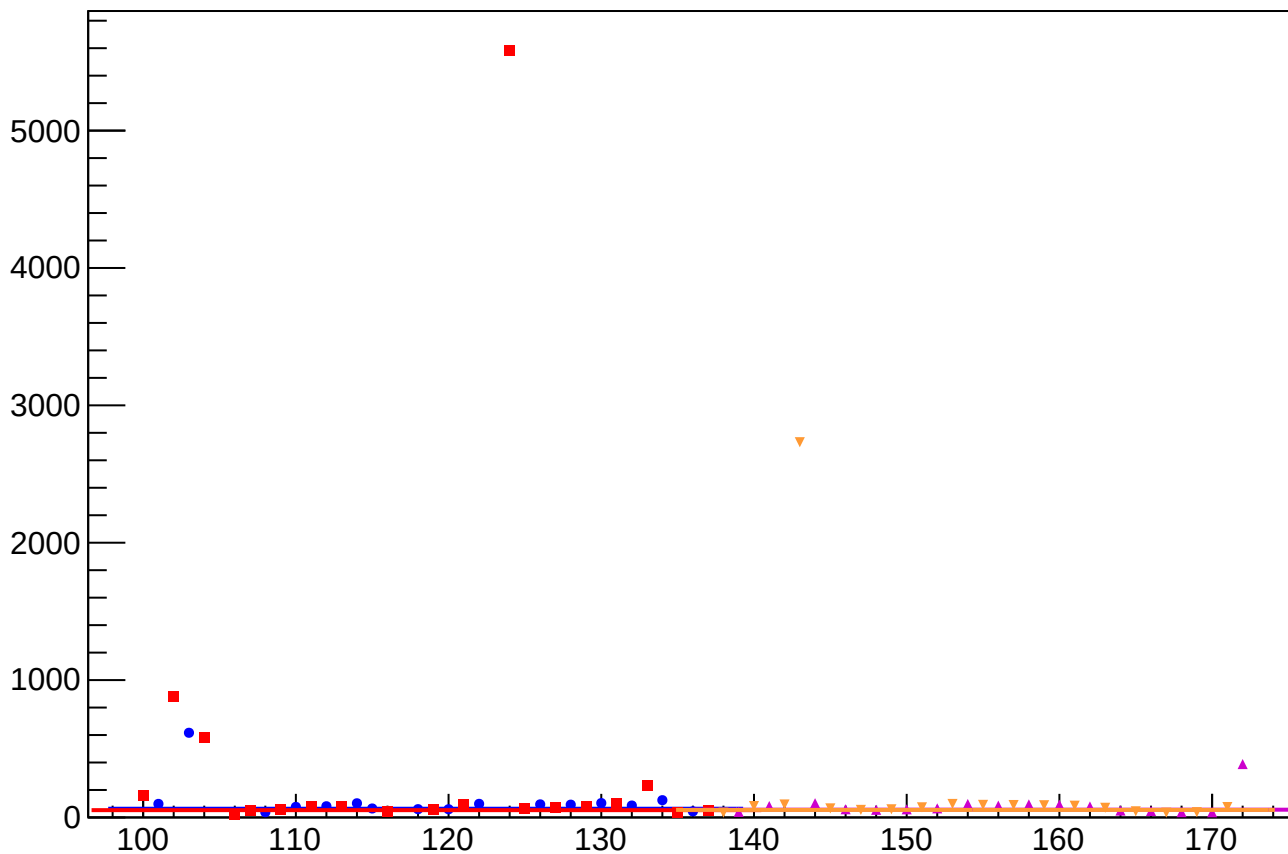
Left In: 0.020 ± 0.017 χ^2/NDF : 12.7/16

+ sign 0.036 ± 0.014 χ^2/NDF : 35.1/33

All: 0.017 ± 0.010 χ^2/NDF : 68.2/69

- sign -0.001 ± 0.014 χ^2/NDF : 29.9/35

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

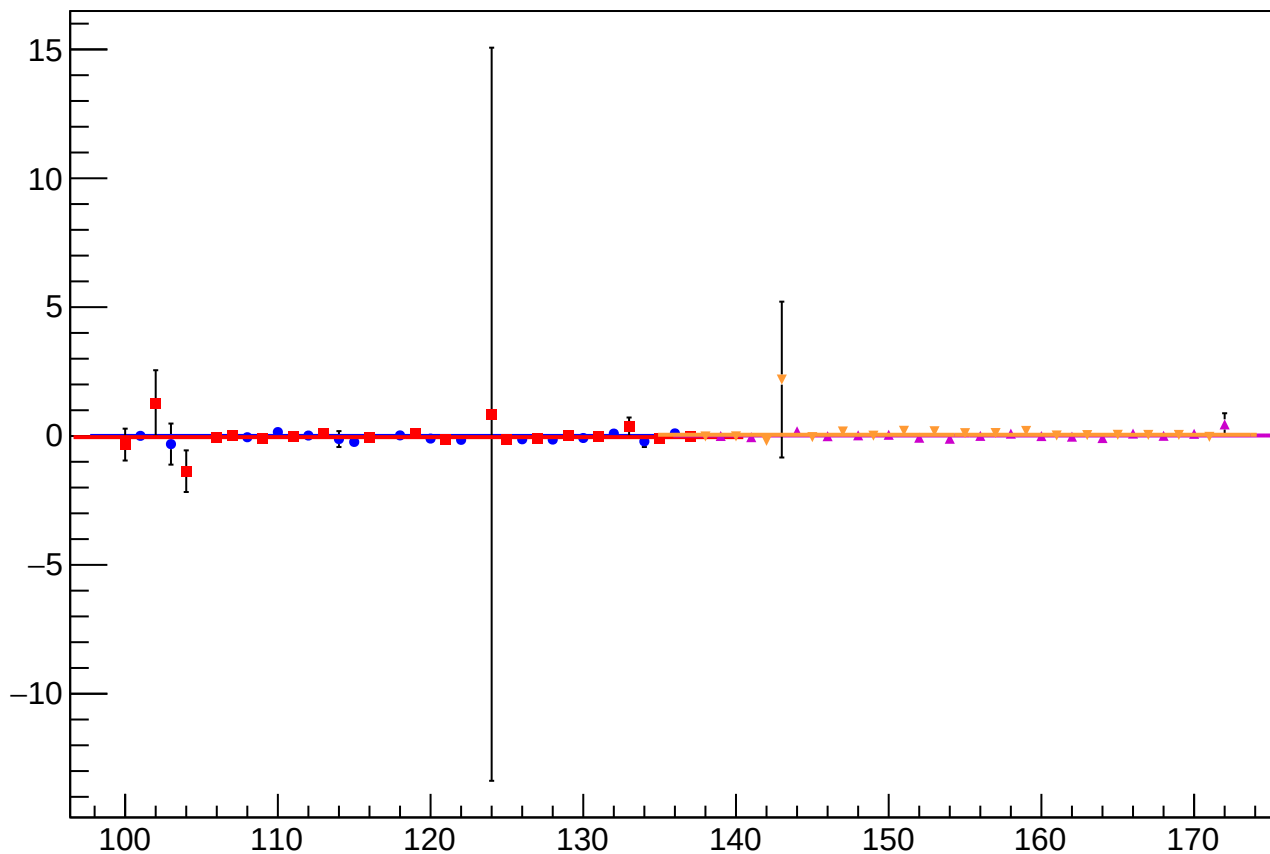
Left In: 56.502+/-0.012 χ^2/NDF : 3835376.7/16

+ sign 57.281+/-0.010 χ^2/NDF : 7135275.8/33

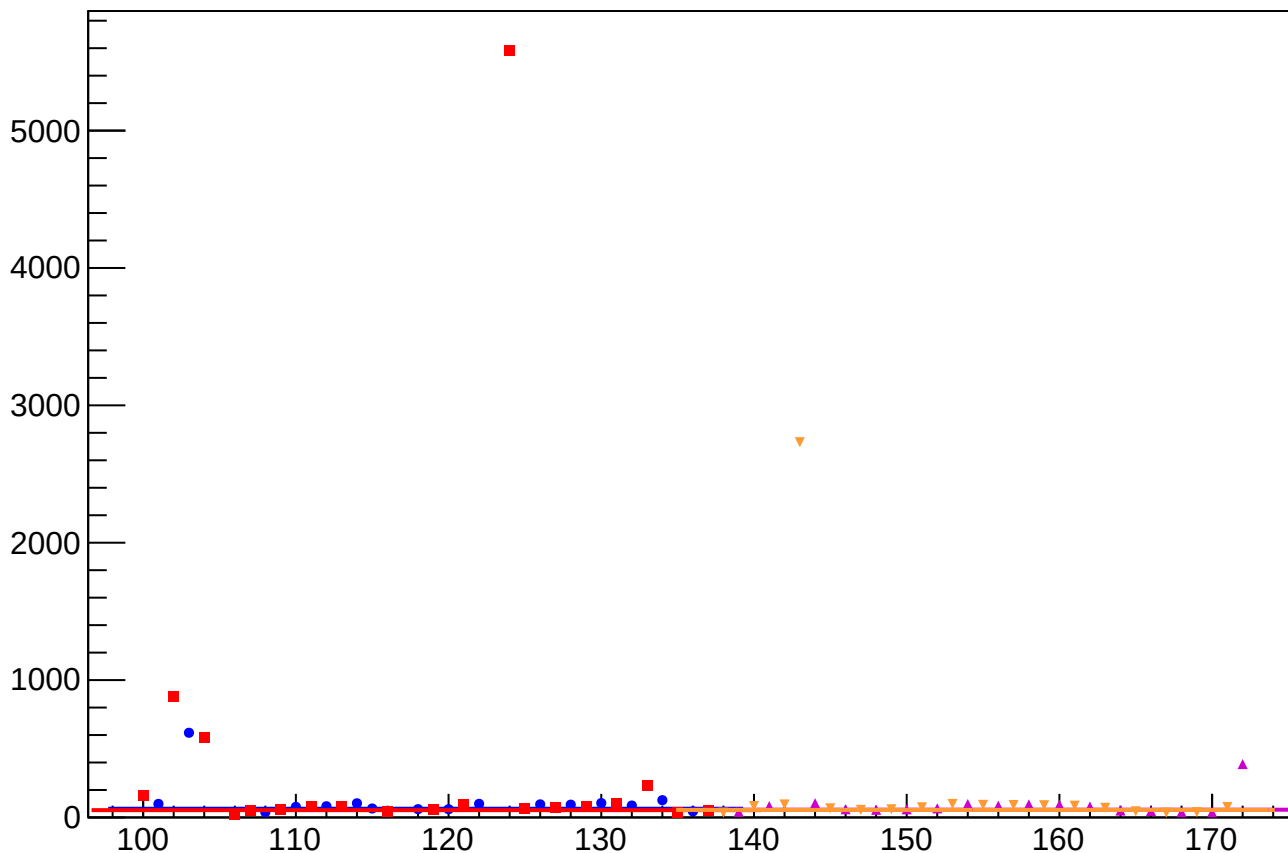
All: 56.335+/-0.007 χ^2/NDF : 14957562.6/69

- sign 55.434+/-0.010 χ^2/NDF : 7805602.0/35

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.463 $\pm$ 0.019 χ^2 /NDF: 2444357.3/15

Left Out: 54.846 $\pm$ 0.012 χ^2 /NDF: 4547082.9/17

Right Out: 53.201 $\pm$ 0.018 χ^2 /NDF: 3946328.9/18

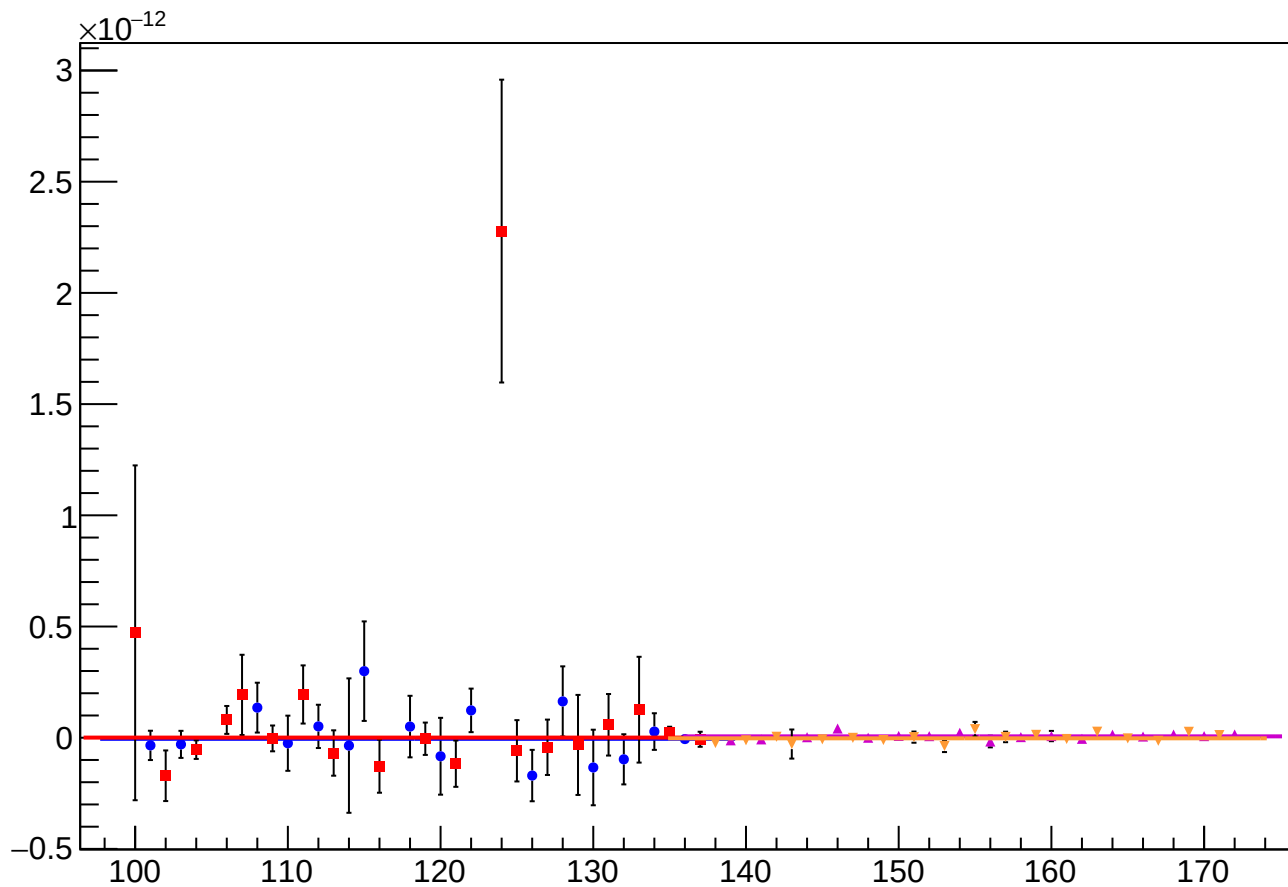
Left In: 56.502 $\pm$ 0.012 χ^2 /NDF: 3835376.7/16

+ sign 57.281 $\pm$ 0.010 χ^2 /NDF: 7135275.8/33

All: 56.335 $\pm$ 0.007 χ^2 /NDF: 14957562.6/69

- sign 55.434 $\pm$ 0.010 χ^2 /NDF: 7805602.0/35

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

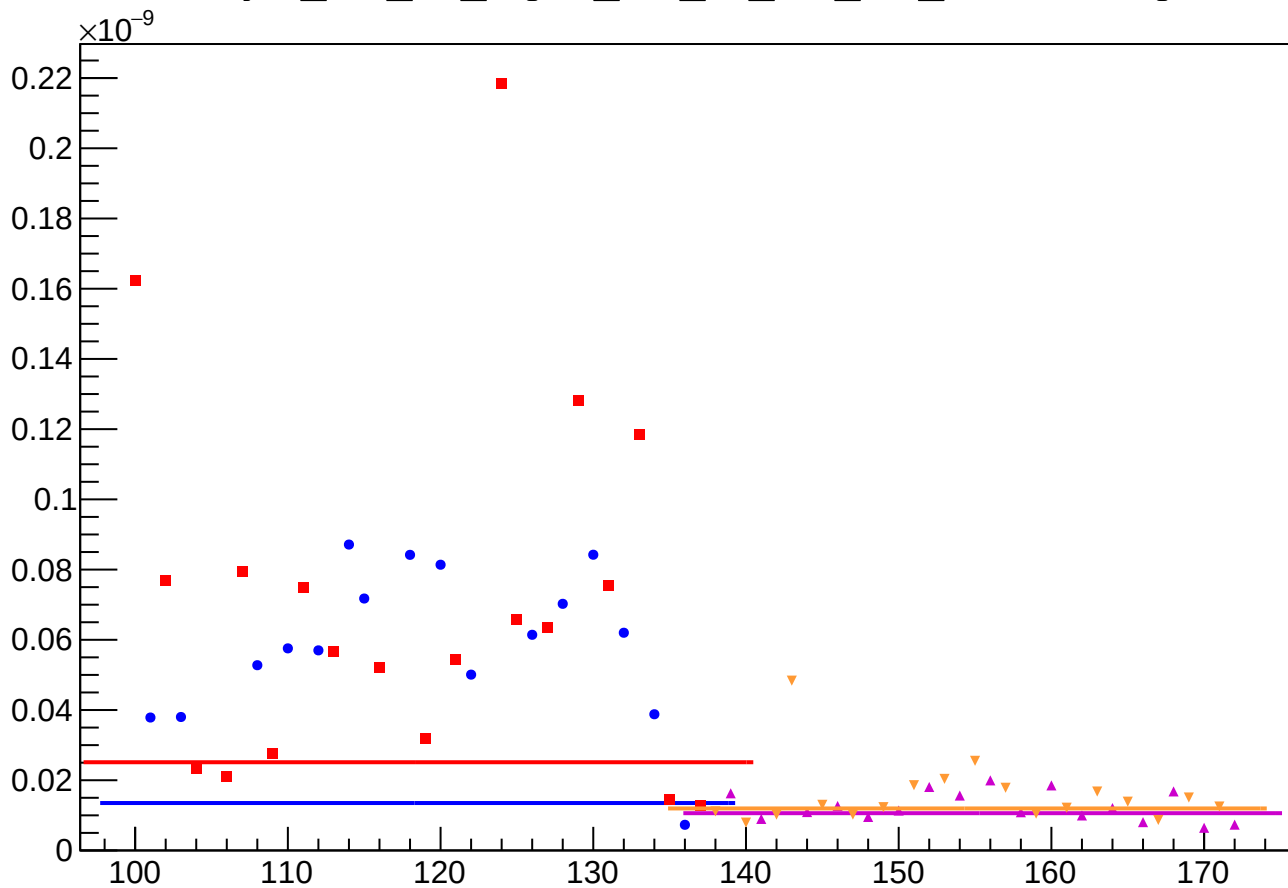
Left In: 0.000 ± 0.000 χ^2/NDF : 9.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 24.3/33

All: 0.000 ± 0.000 χ^2/NDF : 62.3/69

- sign 0.000 ± 0.000 χ^2/NDF : 35.1/35

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4993378.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2135092.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3578472.9/18

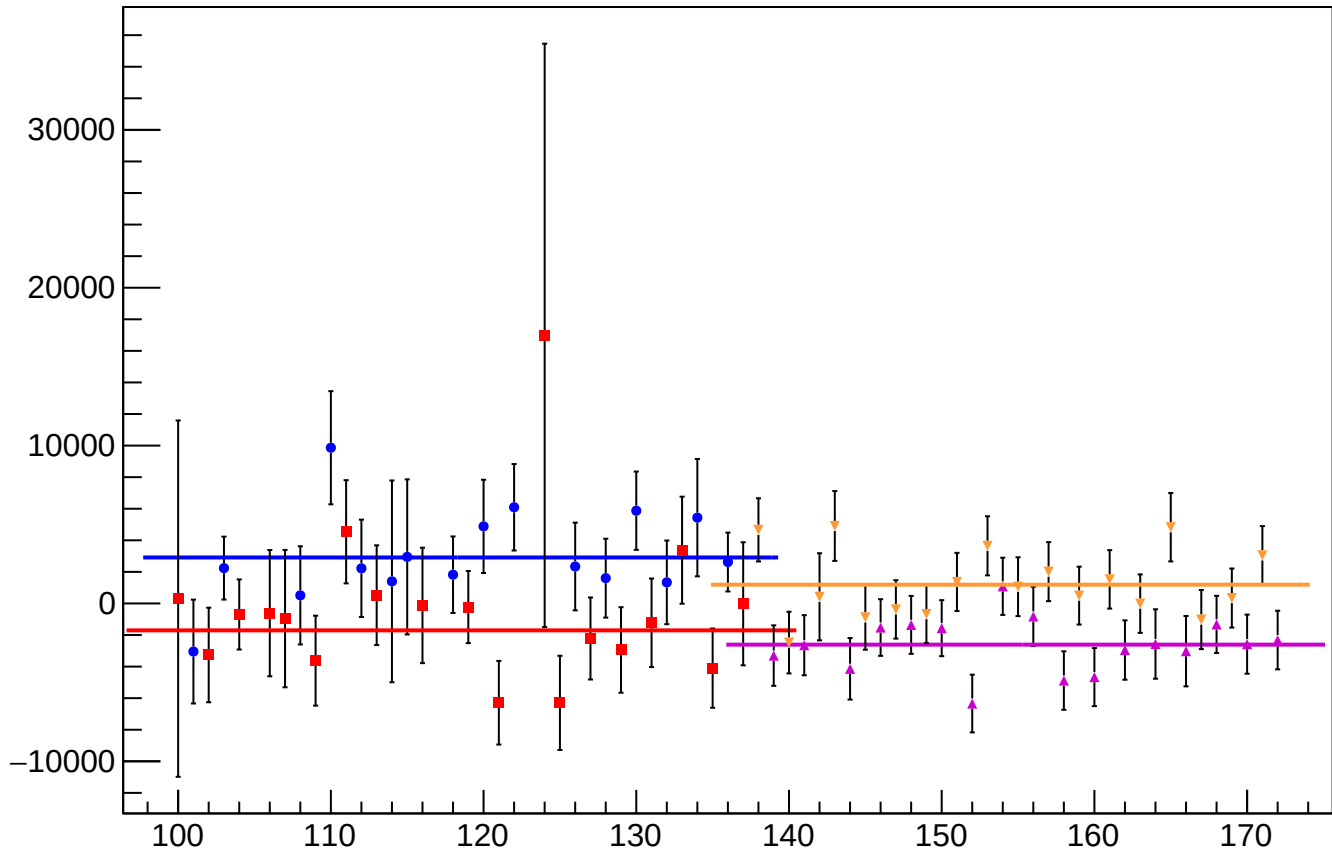
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1782529.7/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7167641.0/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 14319966.0/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7113836.3/35

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2912.991 ± 695.062 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 1189.430 ± 457.276 $\chi^2/\text{NDF}: 20.2/17$

Right Out: -1704.904 ± 706.846 $\chi^2/\text{NDF}: 15.8/18$

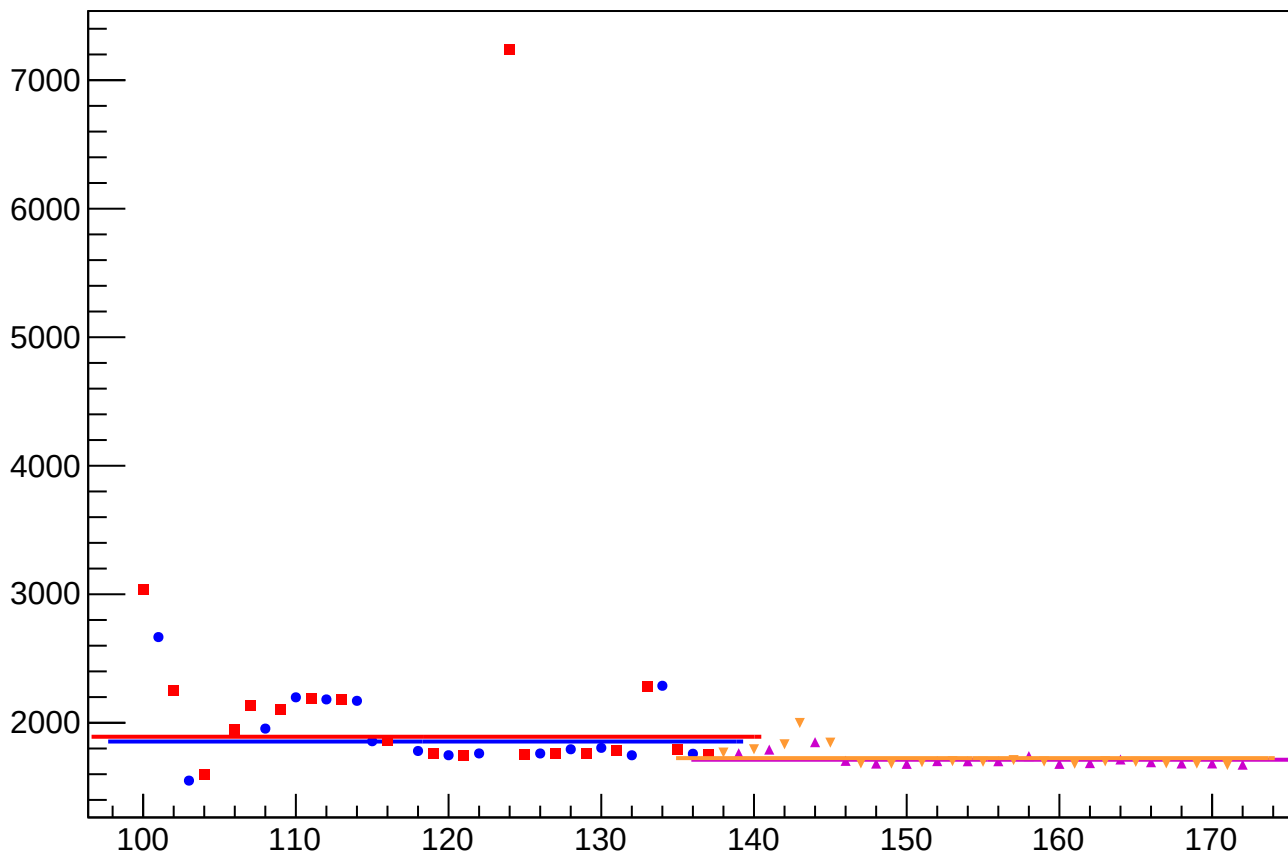
Left In: -2609.704 ± 457.300 $\chi^2/\text{NDF}: 14.5/16$

+ sign 1710.078 ± 382.016 $\chi^2/\text{NDF}: 36.9/33$

All: -306.084 ± 270.808 $\chi^2/\text{NDF}: 124.4/69$

- sign -2342.736 ± 383.953 $\chi^2/\text{NDF}: 31.5/35$

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

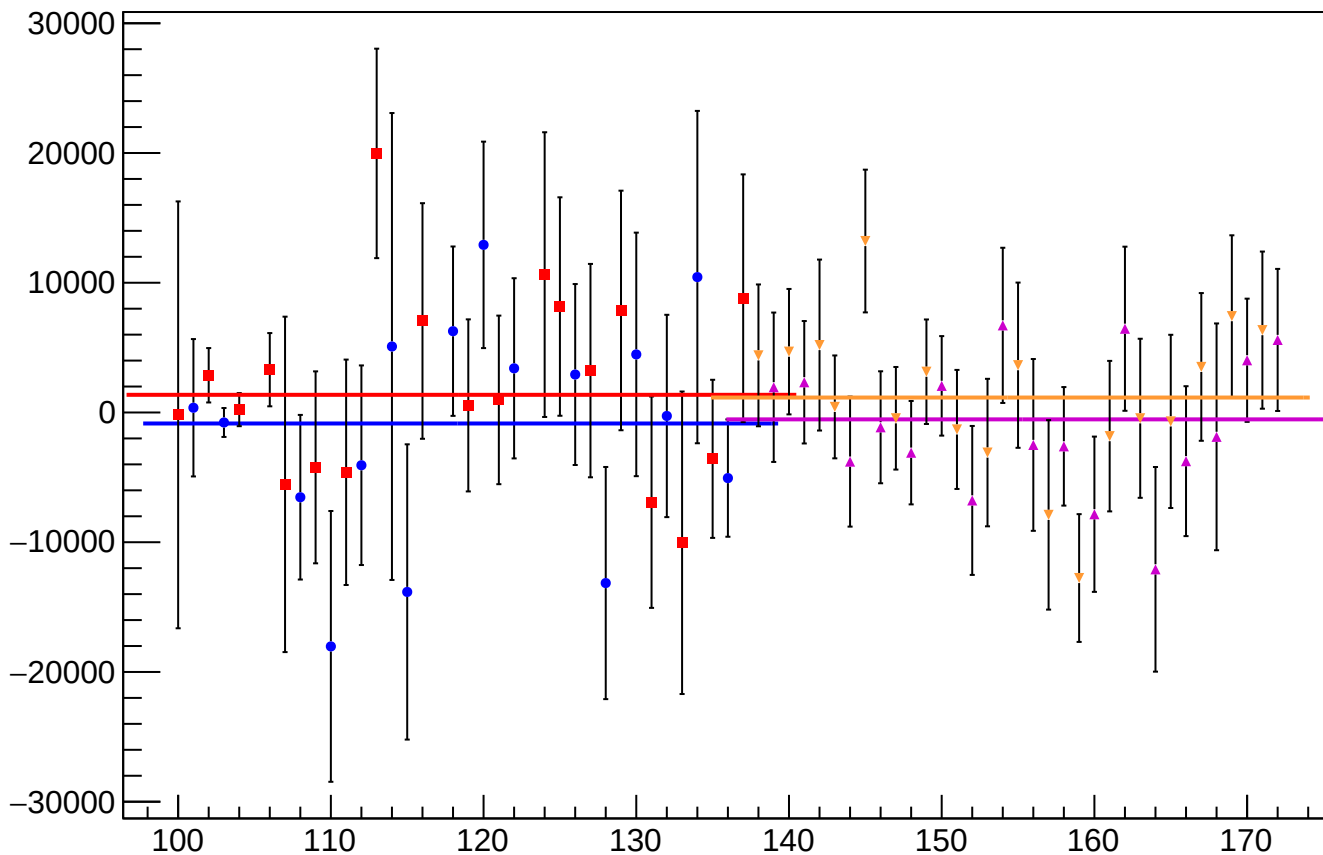
Left In: 1712.593+/-0.323 χ^2 /NDF: 19562.2/16

+ sign 1764.133+/-0.270 χ^2 /NDF: 365055.3/33

All: 1764.836+/-0.191 χ^2 /NDF: 839266.5/69

- sign 1765.545+/-0.271 χ^2 /NDF: 474197.6/35

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

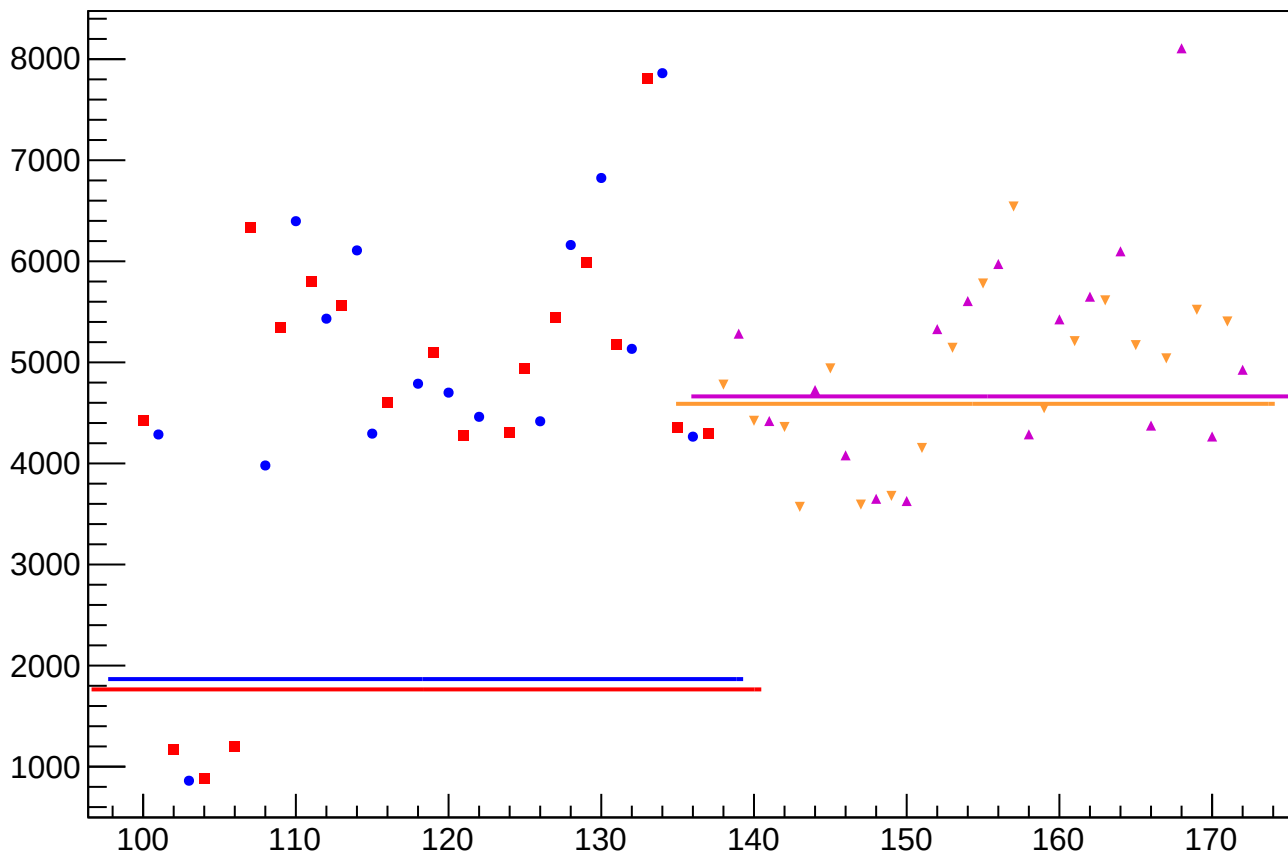
Left In: -530.550 ± 1271.696 χ^2/NDF : 12.2/16

+ sign -97.709 ± 761.210 χ^2/NDF : 34.8/33

All: 318.498 ± 531.782 χ^2/NDF : 63.1/69

- sign 715.265 ± 743.220 χ^2/NDF : 27.7/35

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

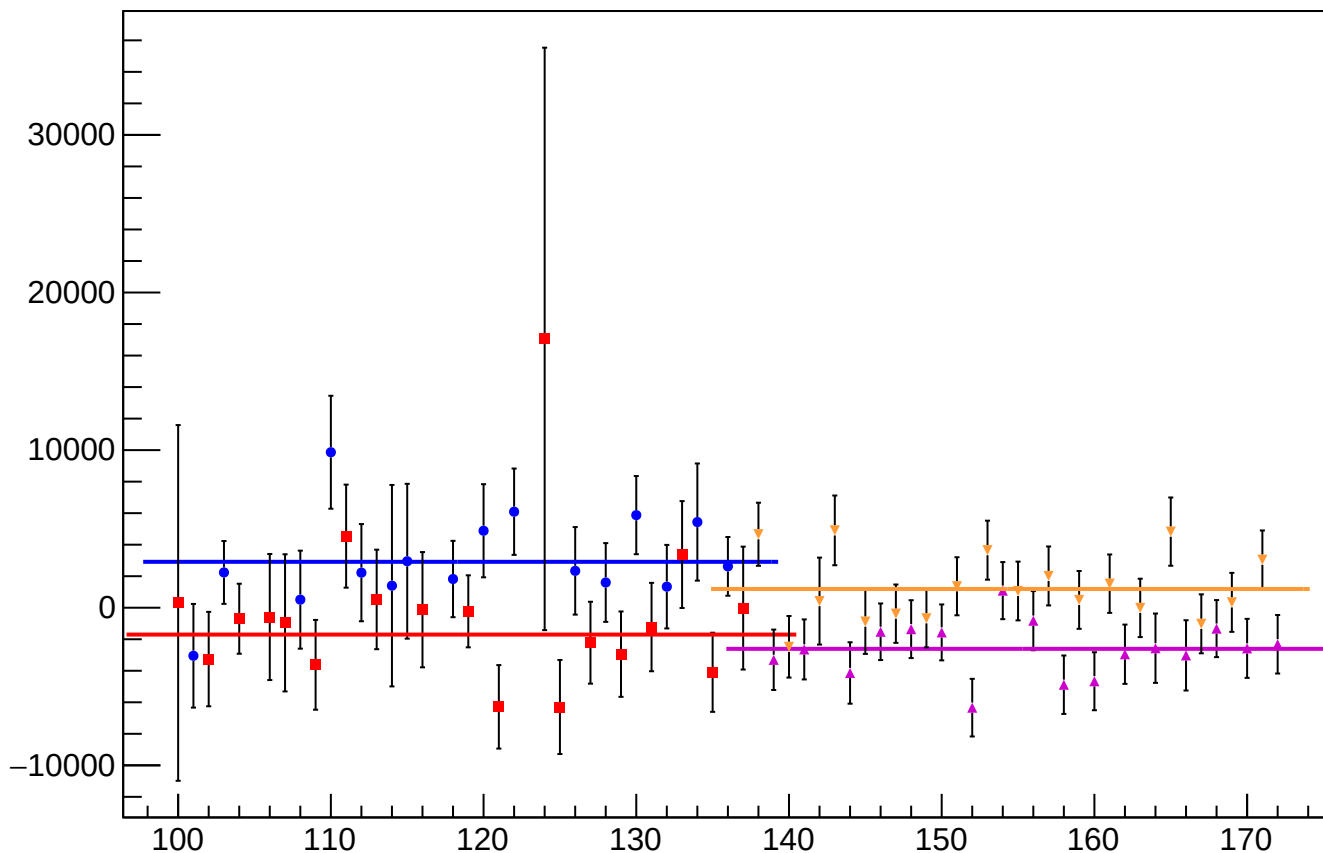
Left In: 4663.370+/-0.899 χ^2/NDF : 990321.8/16

+ sign 2887.923+/-0.538 χ^2/NDF : 13664884.5/33

All: 2819.614+/-0.376 χ^2/NDF : 27965338.8/6

- sign 2754.497+/-0.526 χ^2/NDF : 14268996.1/35

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2913.091 $\pm$ 695.062 χ^2 /NDF: 12.4/15

Left Out: 1189.297 $\pm$ 457.276 χ^2 /NDF:20.2/17

Right Out: -1703.523 $\pm$ 706.847 χ^2 /NDF: 15.8/18

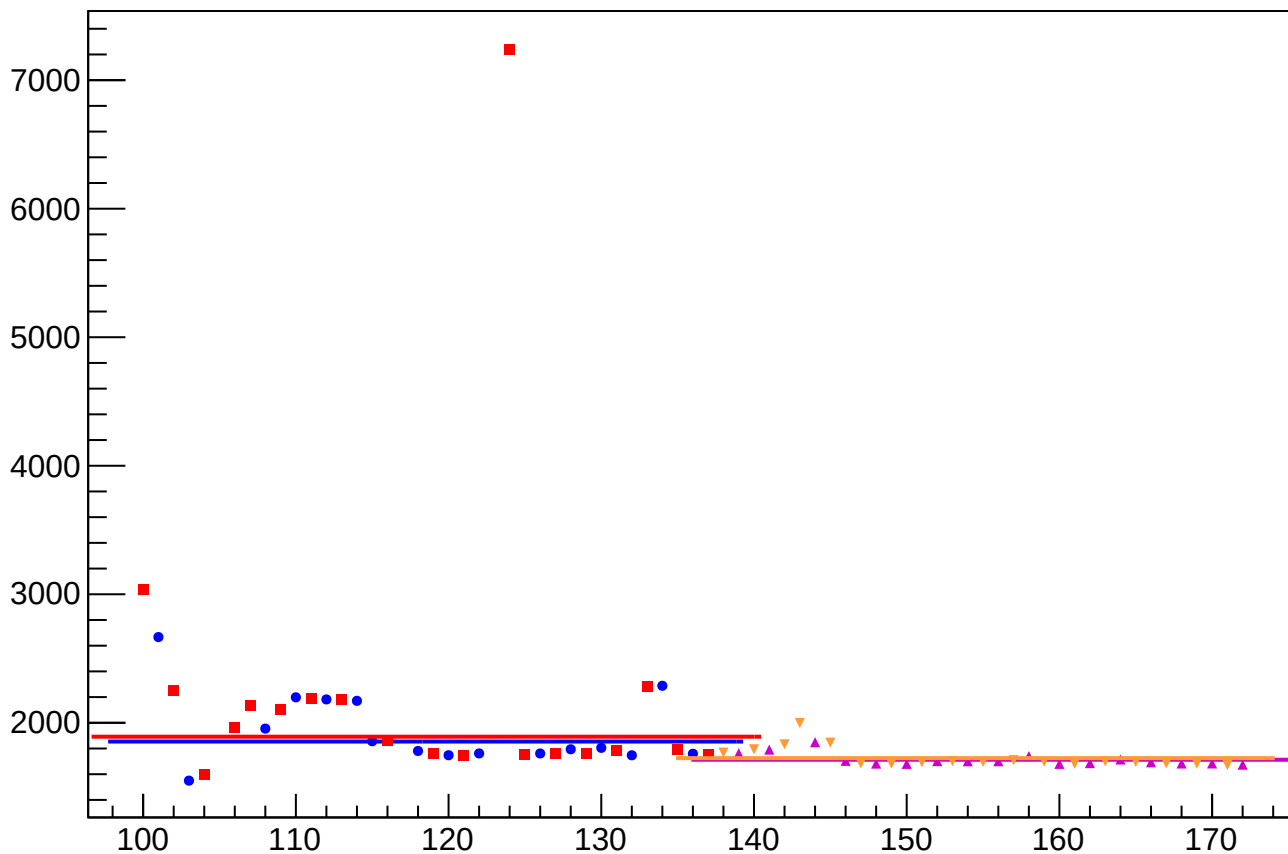
Left In: -2609.675 $\pm$ 457.300 χ^2 /NDF:14.5/16

+ sign 1710.015 $\pm$ 382.016 χ^2 /NDF: 36.9/33

All: -305.902 $\pm$ 270.808 χ^2 /NDF: 124.4/69

- sign -2342.309 $\pm$ 383.953 χ^2 /NDF: 31.5/35

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

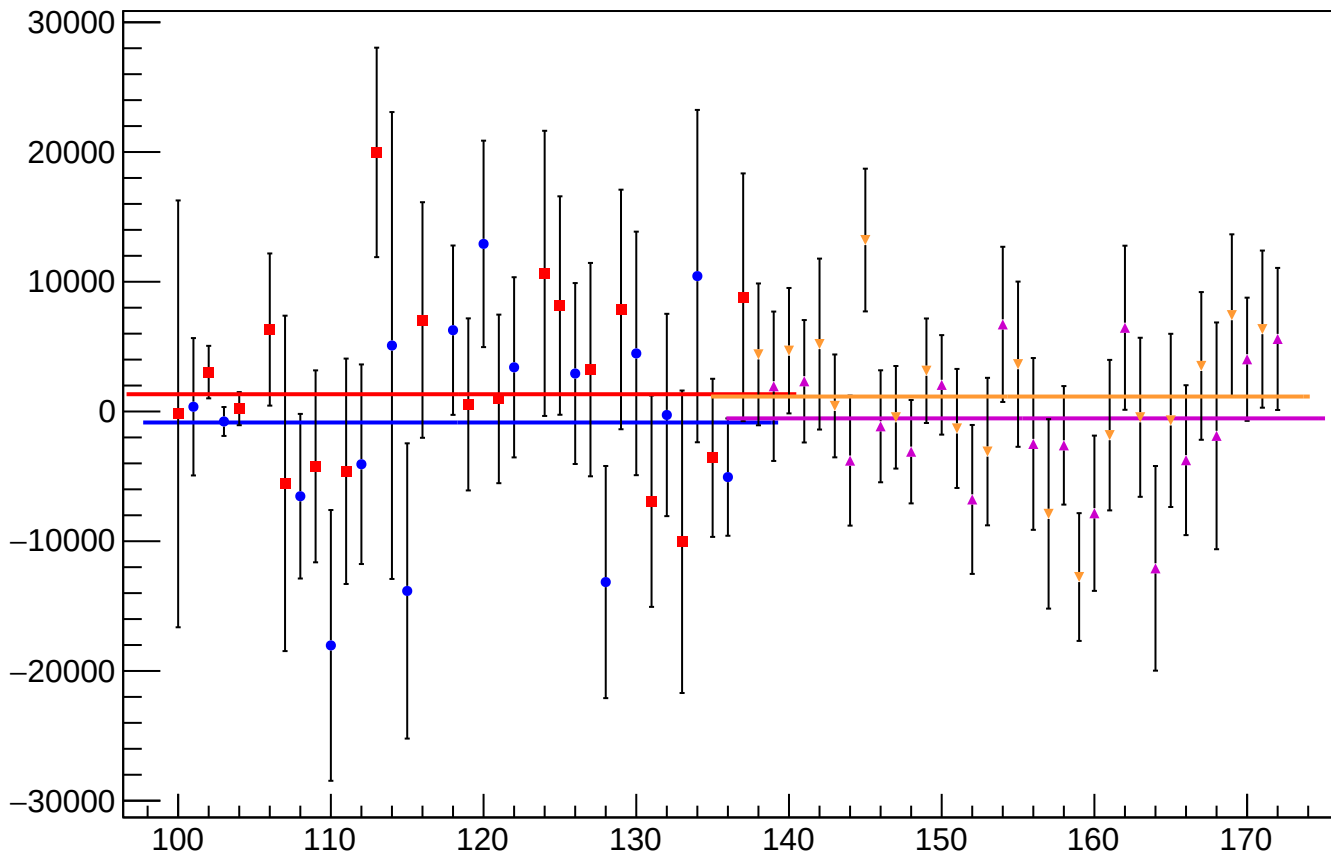
Left In: 1712.593+/-0.323 χ^2/NDF : 19562.2/16

+ sign 1764.133+/-0.270 χ^2/NDF : 365055.2/33

All: 1764.895+/-0.191 χ^2/NDF : 839946.1/69

- sign 1765.664+/-0.271 χ^2/NDF : 474874.9/35

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -847.504 $\pm$ 962.866 χ^2/NDF : 13.9/15

Left Out: 1152.337 $\pm$ 1242.928 χ^2/NDF : 19.4/17

Right Out: 1331.371 $\pm$ 948.163 χ^2/NDF : 14.4/18

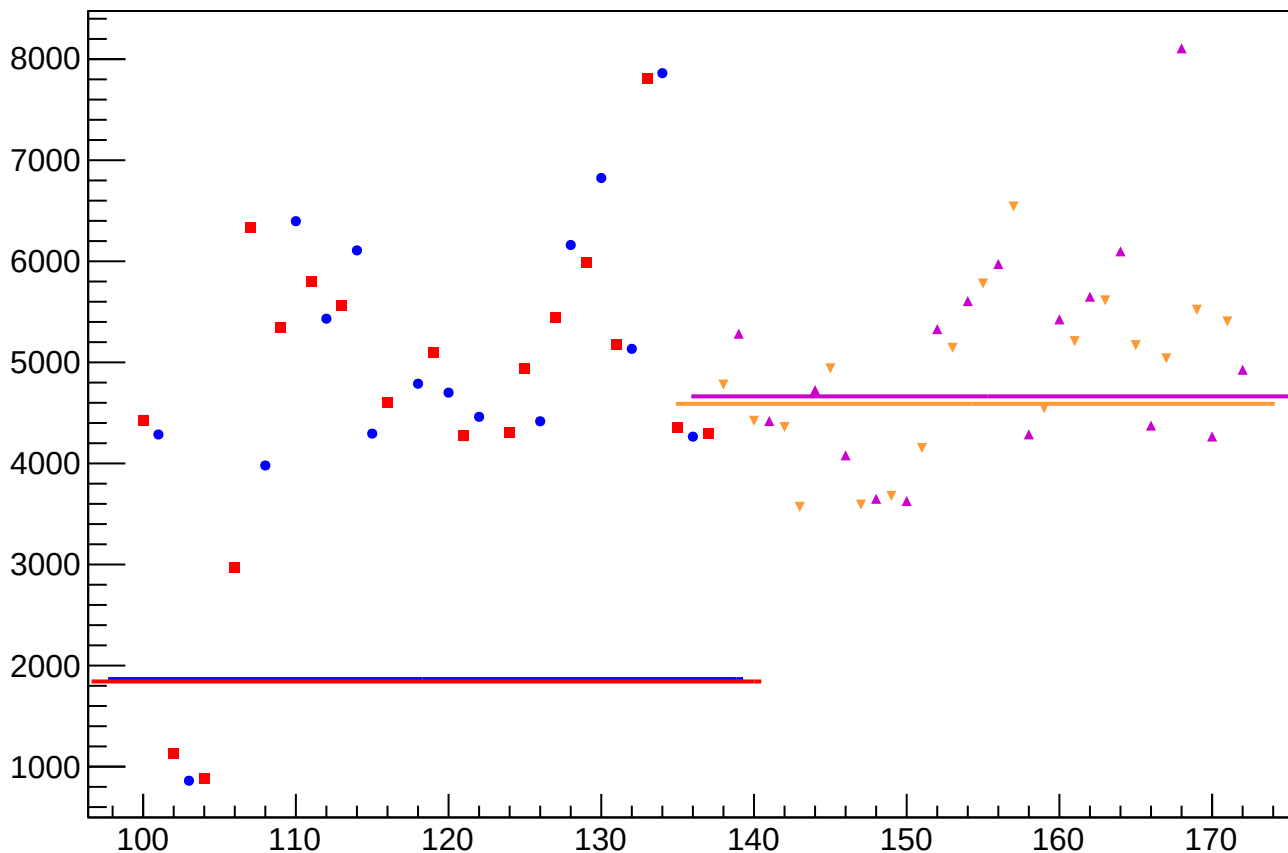
Left In: -530.604 $\pm$ 1271.696 χ^2/NDF : 12.2/16

+ sign -97.468 $\pm$ 761.184 χ^2/NDF : 34.8/33

All: 284.848 $\pm$ 537.868 χ^2/NDF : 63.3/69

- sign 666.112 $\pm$ 760.137 χ^2/NDF : 28.0/35

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1866.251+/-0.681 χ^2/NDF : 6850061.4/15

Left Out: 4589.914+/-0.879 χ^2/NDF : 814227.7/17

Right Out: 1842.882+/-0.670 χ^2/NDF : 6458456.4/18

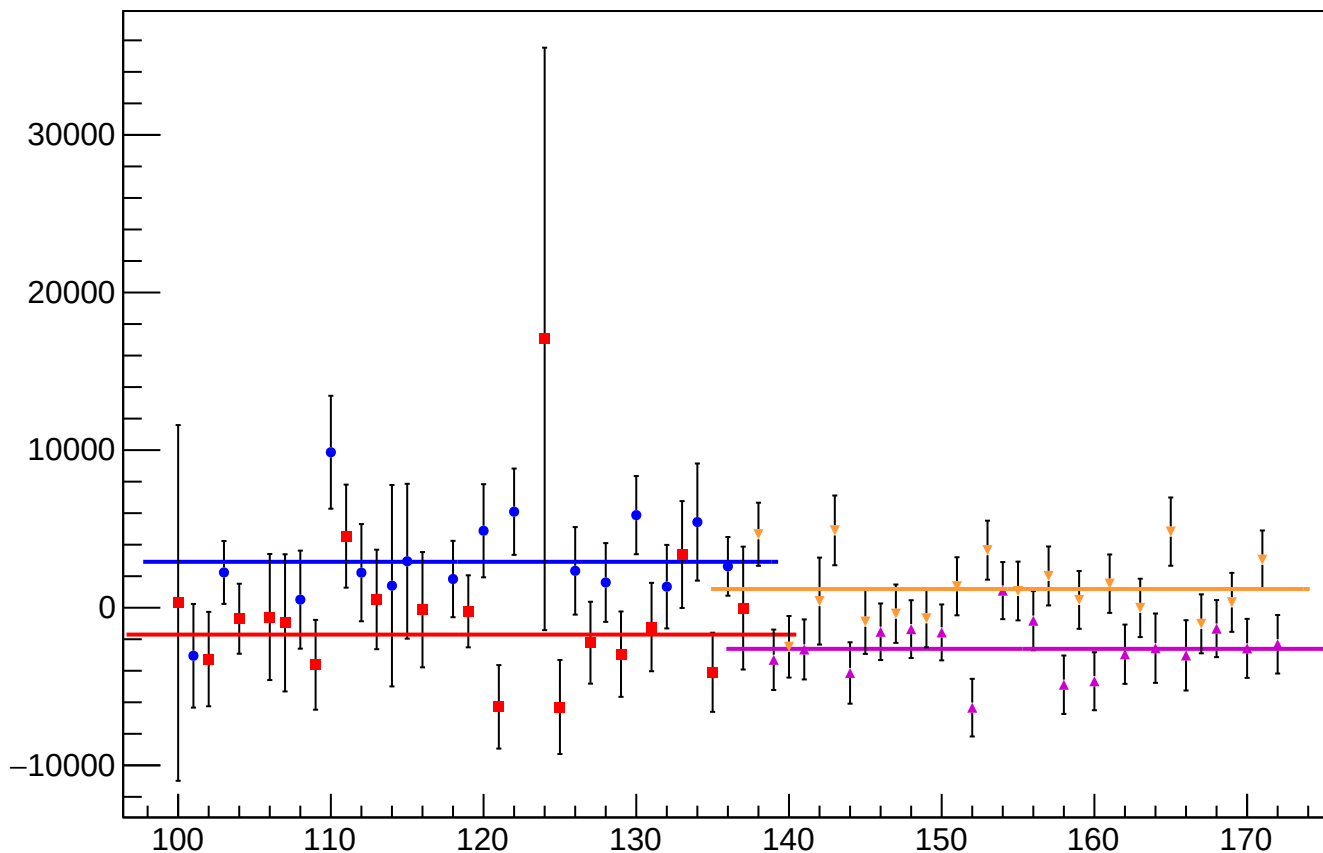
Left In: 4663.367+/-0.899 χ^2/NDF : 990337.6/16

+ sign 2887.755+/-0.538 χ^2/NDF : 13666225.2/33

All: 2869.154+/-0.380 χ^2/NDF : 27440478.5/66

- sign 2850.603+/-0.537 χ^2/NDF : 13771867.8/35

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

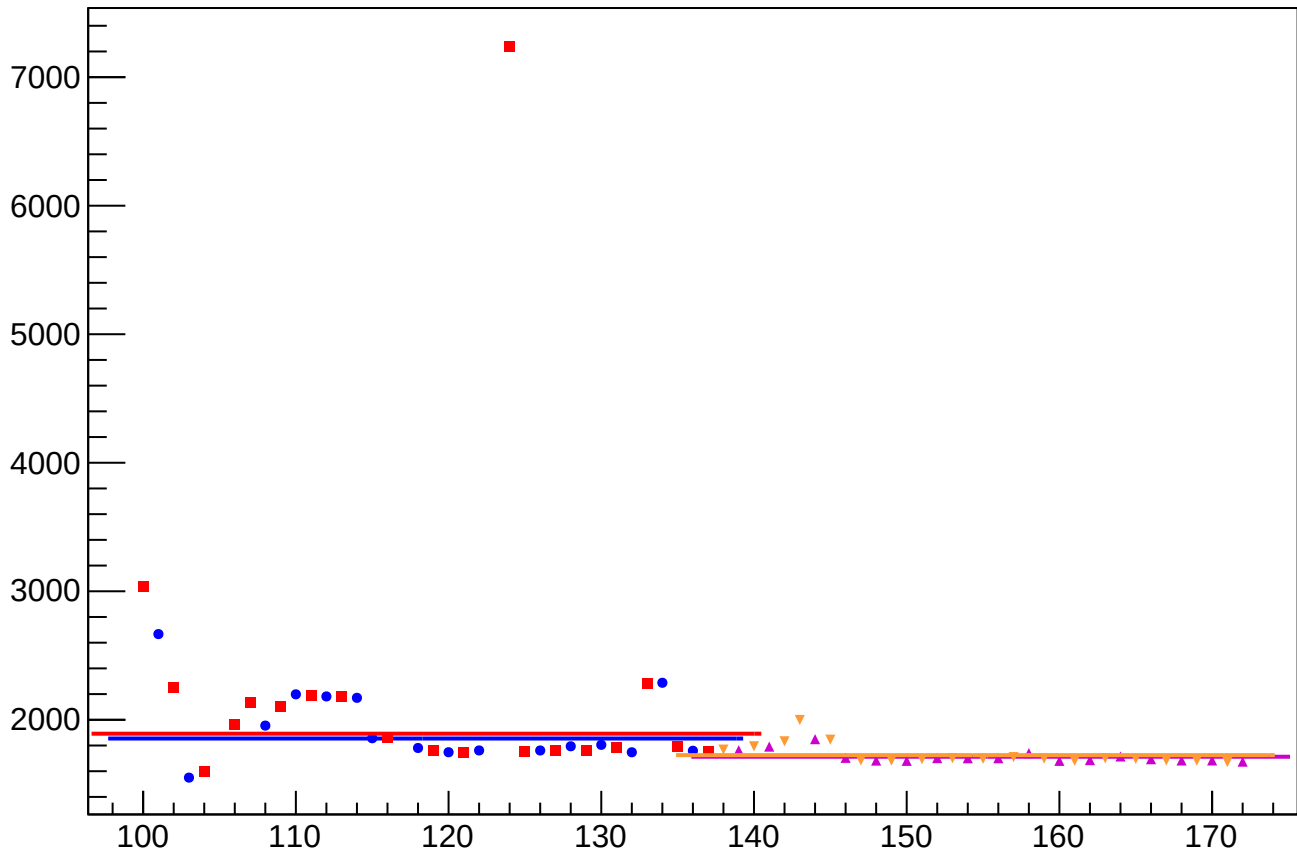
Left In: -2609.675 ± 457.300 χ^2/NDF : 14.5/16

+ sign 1710.015 ± 382.016 χ^2/NDF : 36.9/33

All: -305.902 ± 270.808 χ^2/NDF : 124.4/69

- sign -2342.309 ± 383.953 χ^2/NDF : 31.5/35

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.314 $\pm$ 0.491 χ^2 /NDF: 263322.5/15

Left Out: 1725.101 $\pm$ 0.323 χ^2 /NDF: 53493.8/17

Right Out: 1891.927 $\pm$ 0.499 χ^2 /NDF: 364292.2/18

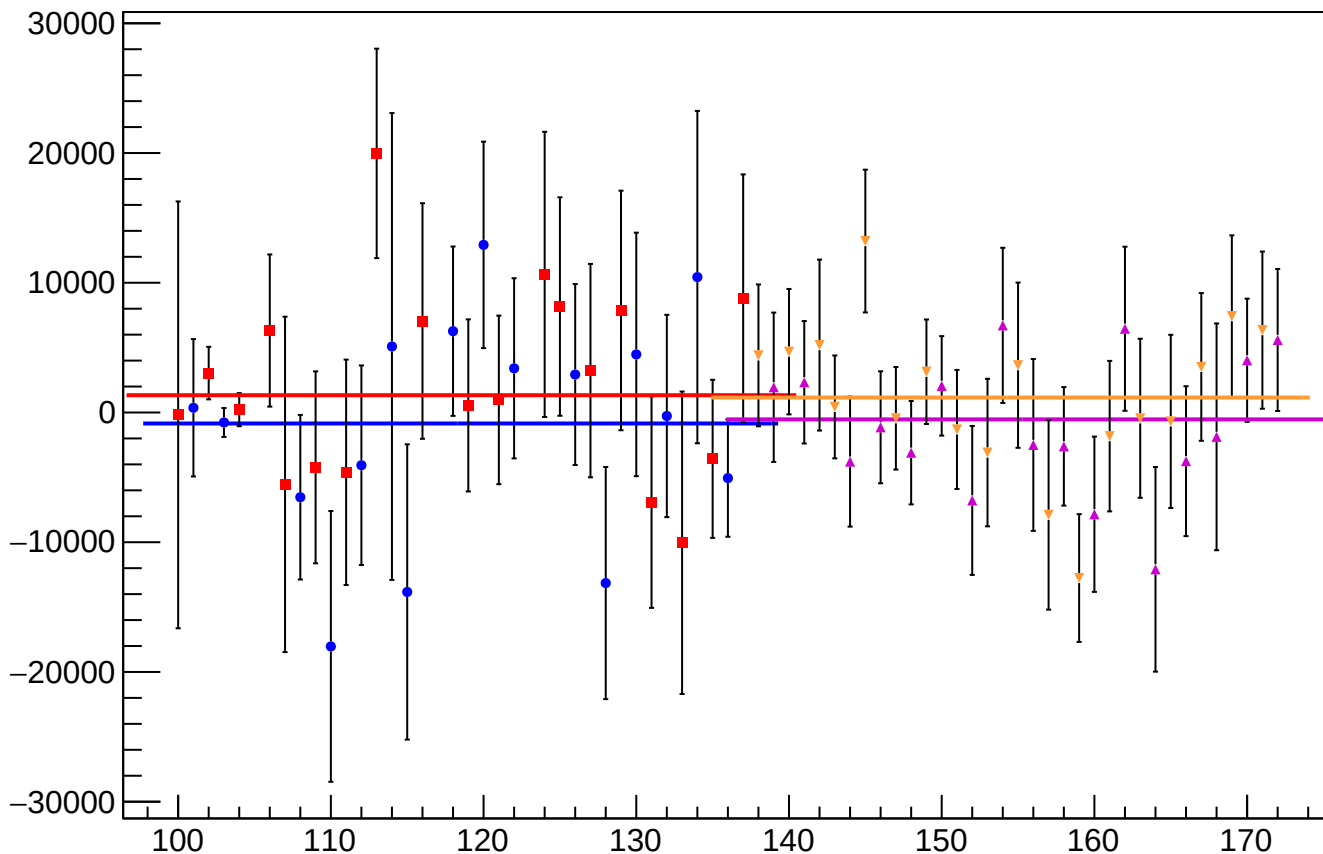
Left In: 1712.593 $\pm$ 0.323 χ^2 /NDF: 19562.2/16

+ sign 1764.133 $\pm$ 0.270 χ^2 /NDF: 365055.2/33

All: 1764.895 $\pm$ 0.191 χ^2 /NDF: 839946.1/69

- sign 1765.664 $\pm$ 0.271 χ^2 /NDF: 474874.9/35

asym_atl1r2_avg_eigen_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

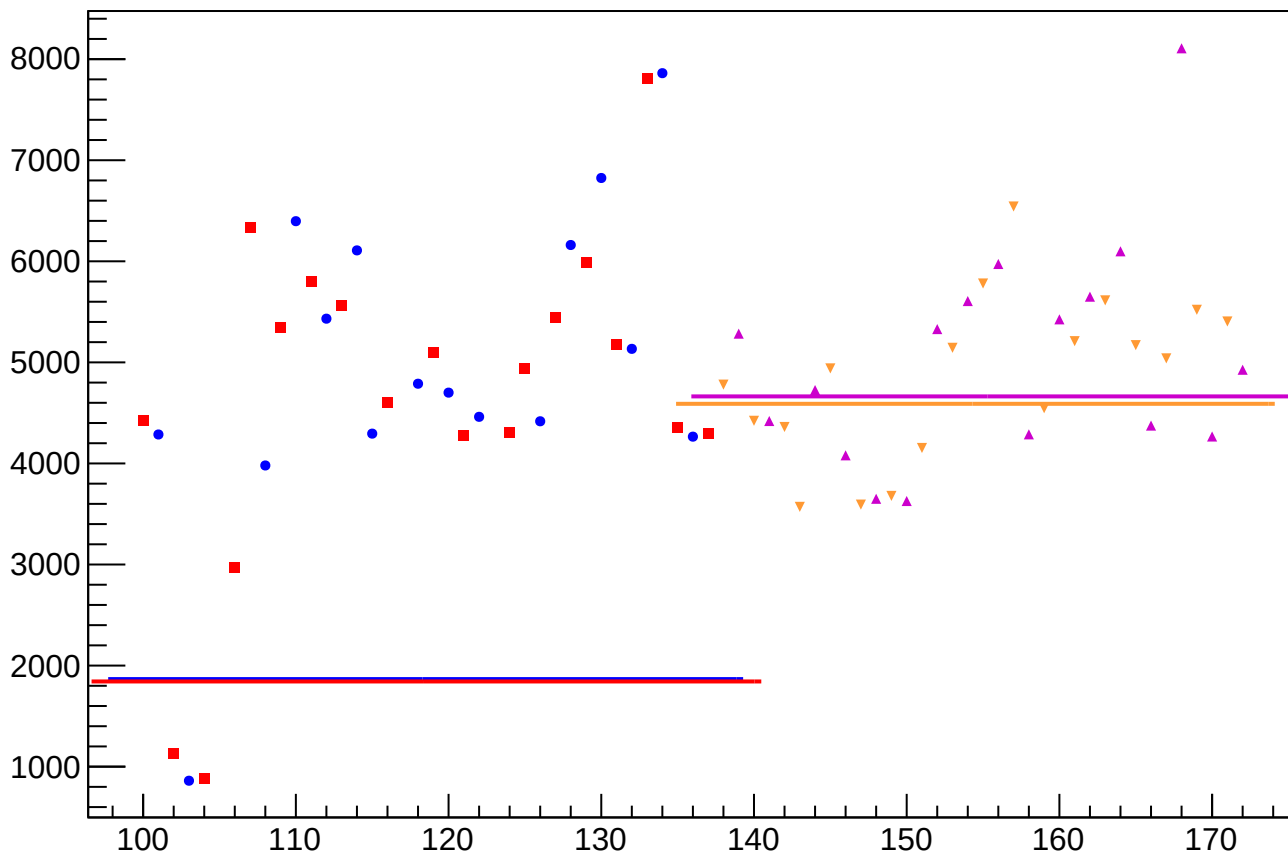
Left In: -530.604+/-1271.696 χ^2/NDF : 12.2/16

+ sign -97.468+/-761.184 χ^2/NDF : 34.8/33

All: 284.848+/-537.868 χ^2/NDF : 63.3/69

- sign 666.112+/-760.137 χ^2/NDF : 28.0/35

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1866.251 $\pm$ 0.681 χ^2 /NDF: 6850061.4/15

Left Out: 4589.914 $\pm$ 0.879 χ^2 /NDF: 814227.7/17

Right Out: 1842.882 $\pm$ 0.670 χ^2 /NDF: 6458456.4/18

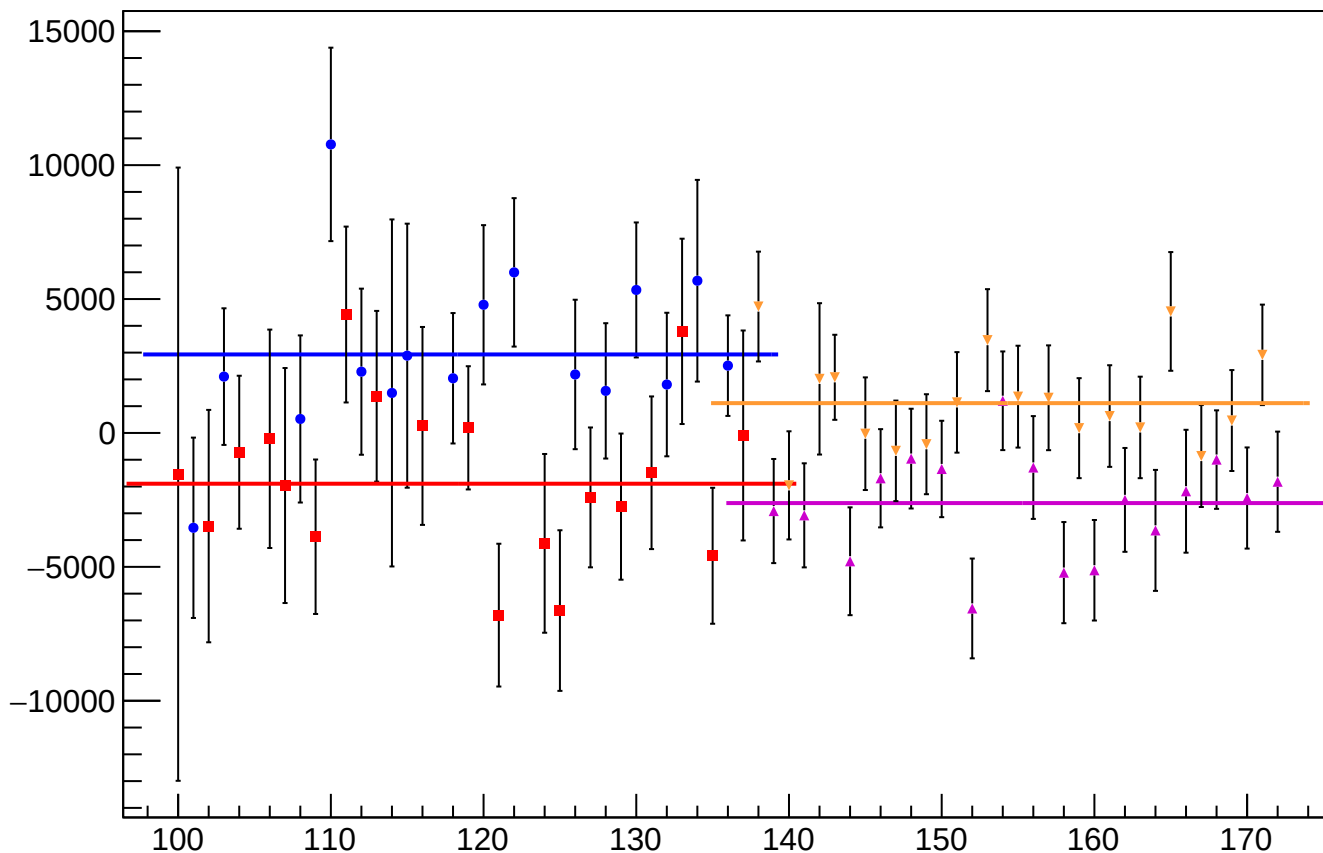
Left In: 4663.367 $\pm$ 0.899 χ^2 /NDF: 990337.6/16

+ sign 2887.755 $\pm$ 0.538 χ^2 /NDF: 13666225.2/33

All: 2869.154 $\pm$ 0.380 χ^2 /NDF: 27440478.5/6

- sign 2850.603 $\pm$ 0.537 χ^2 /NDF: 13771867.8/35

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

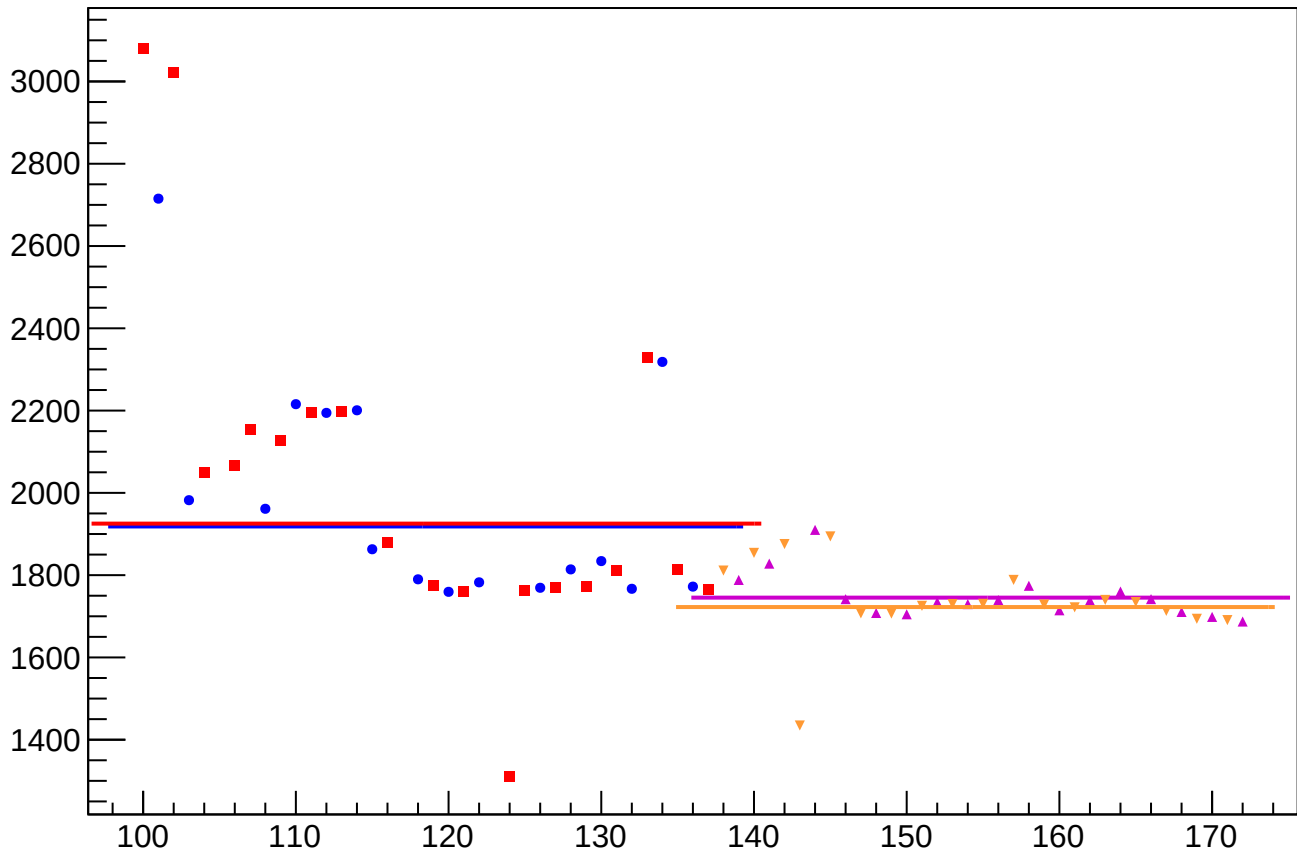
Left In: -2618.347+/-466.114 χ^2/NDF :16.9/16

+ sign 1637.254+/-385.576 χ^2/NDF : 31.9/33

All: -352.930+/-274.745 χ^2/NDF : 121.0/69

- sign -2405.684+/-391.591 χ^2/NDF : 35.0/35

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

+ sign 1778.902+/-0.273 χ^2/NDF : 422648.1/33

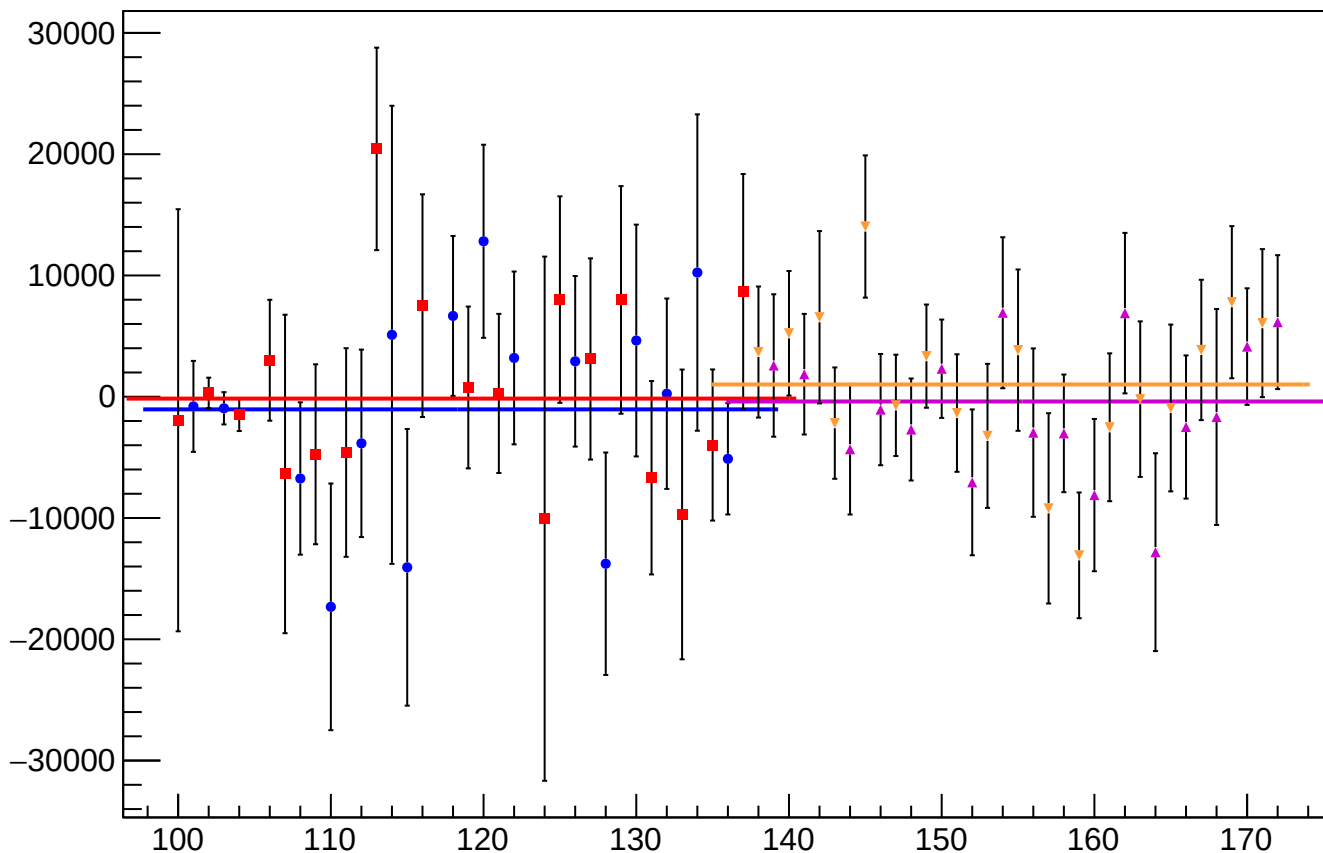
Right Out: 1925.260+/-0.510 χ^2/NDF : 339095.4/18

All: 1788.471+/-0.194 χ^2/NDF : 877044.1/69

Left In: 1745.344+/-0.330 χ^2/NDF : 25031.2/16

- sign 1798.337+/-0.277 χ^2/NDF : 451894.0/35

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -1041.908 $\pm$ 1072.406 χ^2 /NDF: 13.8/15

Left Out: 1011.813 $\pm$ 1310.253 χ^2 /NDF: 20.0/17

Right Out: -153.619 $\pm$ 835.656 χ^2 /NDF: 13.7/18

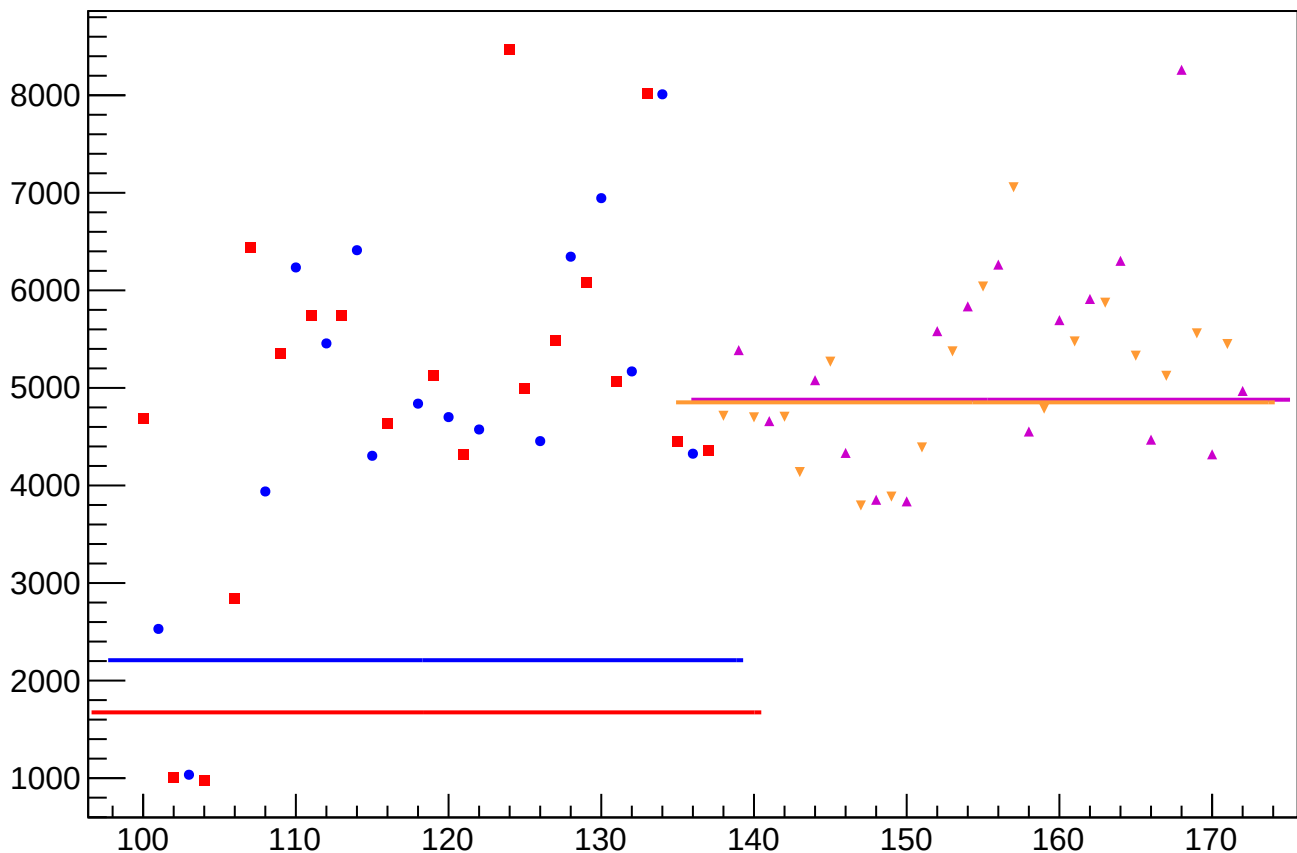
Left In: -391.036 $\pm$ 1329.107 χ^2 /NDF: 12.3/16

+ sign -218.035 $\pm$ 829.878 χ^2 /NDF: 35.3/33

All: -219.684 $\pm$ 538.374 χ^2 /NDF: 61.3/69

- sign -220.882 $\pm$ 707.445 χ^2 /NDF: 26.0/35

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2208.912 $\pm$ 0.758 χ^2 /NDF: 5499011.4/15

Left Out: 4852.050 $\pm$ 0.926 χ^2 /NDF: 679734.5/17

Right Out: 1674.162 $\pm$ 0.591 χ^2 /NDF: 6853212.9/18

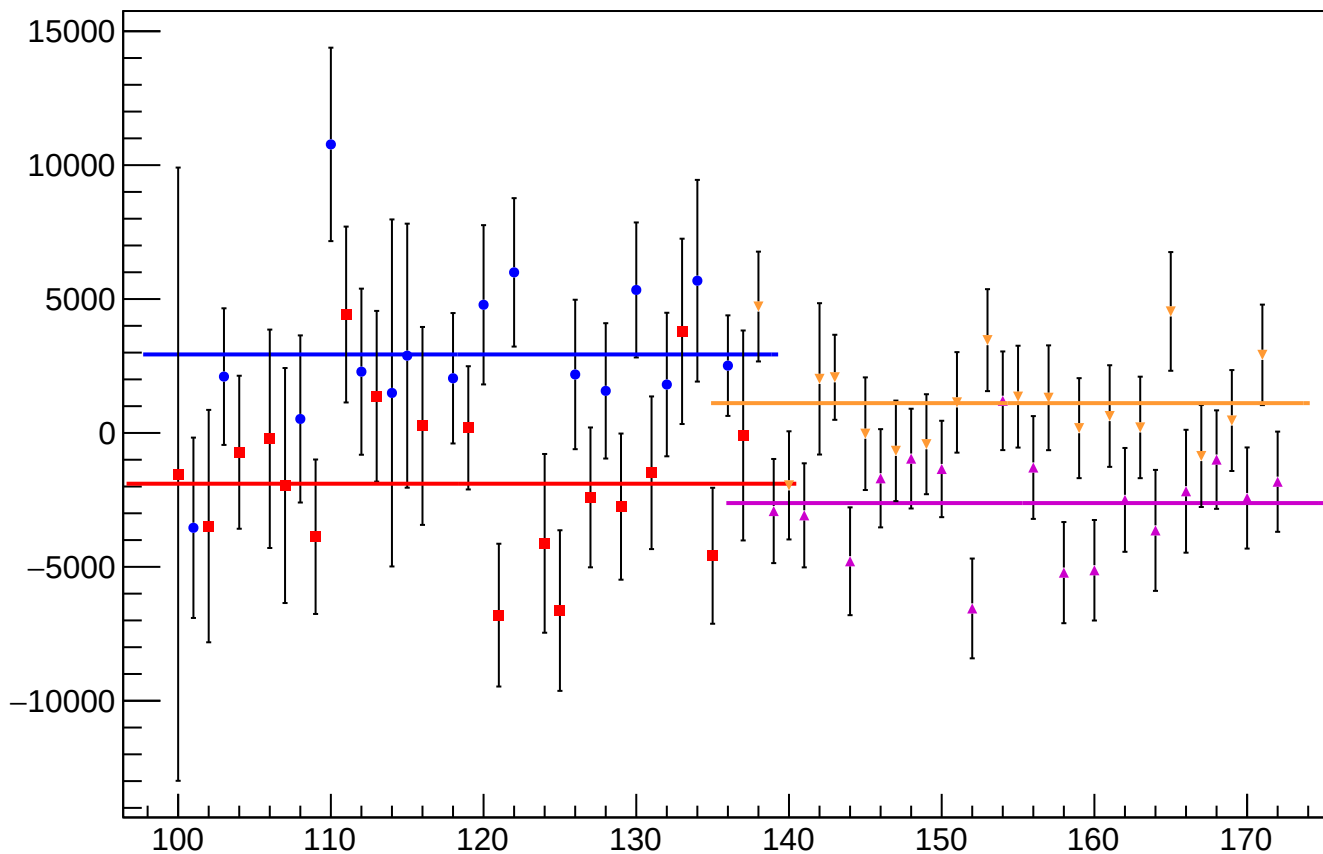
Left In: 4879.007 $\pm$ 0.940 χ^2 /NDF: 933122.8/16

+ sign 3269.235 $\pm$ 0.587 χ^2 /NDF: 11052567.1/33

All: 2871.307 $\pm$ 0.381 χ^2 /NDF: 27966930.6/6

- sign 2582.133 $\pm$ 0.500 χ^2 /NDF: 16120351.1/35

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2931.693 ± 718.305 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 1113.300 ± 456.996 $\chi^2/\text{NDF}: 14.4/17$

Right Out: -1895.508 ± 721.953 $\chi^2/\text{NDF}: 17.4/18$

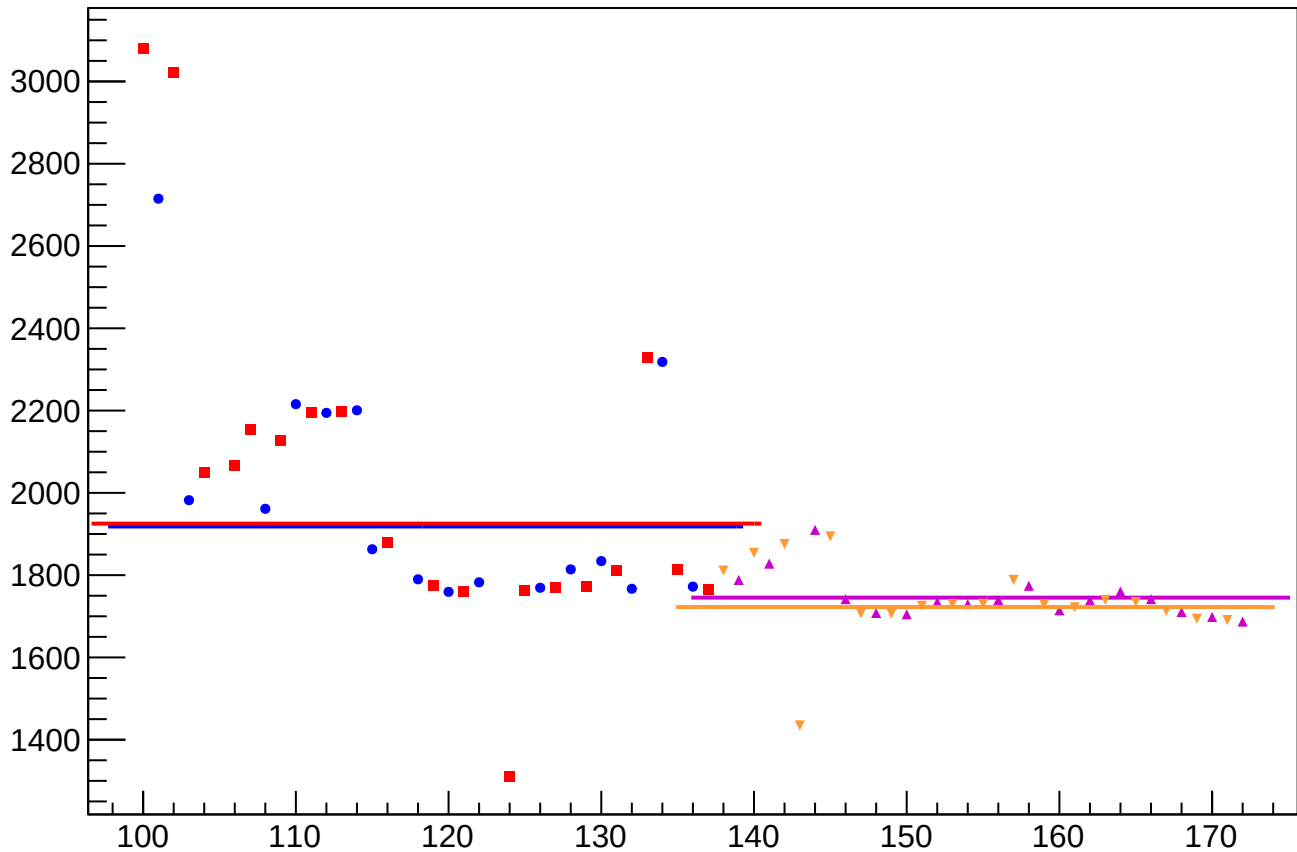
Left In: -2618.350 ± 466.114 $\chi^2/\text{NDF}: 16.9/16$

+ sign 1637.250 ± 385.576 $\chi^2/\text{NDF}: 31.9/33$

All: -352.933 ± 274.745 $\chi^2/\text{NDF}: 121.0/69$

- sign -2405.688 ± 391.591 $\chi^2/\text{NDF}: 35.0/35$

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1918.367 $\pm$ 0.508 χ^2 /NDF: 215592.7/15

Left Out: 1722.451 $\pm$ 0.323 χ^2 /NDF: 101141.2/17

+ sign 1778.902 $\pm$ 0.273 χ^2 /NDF: 422645.6/33

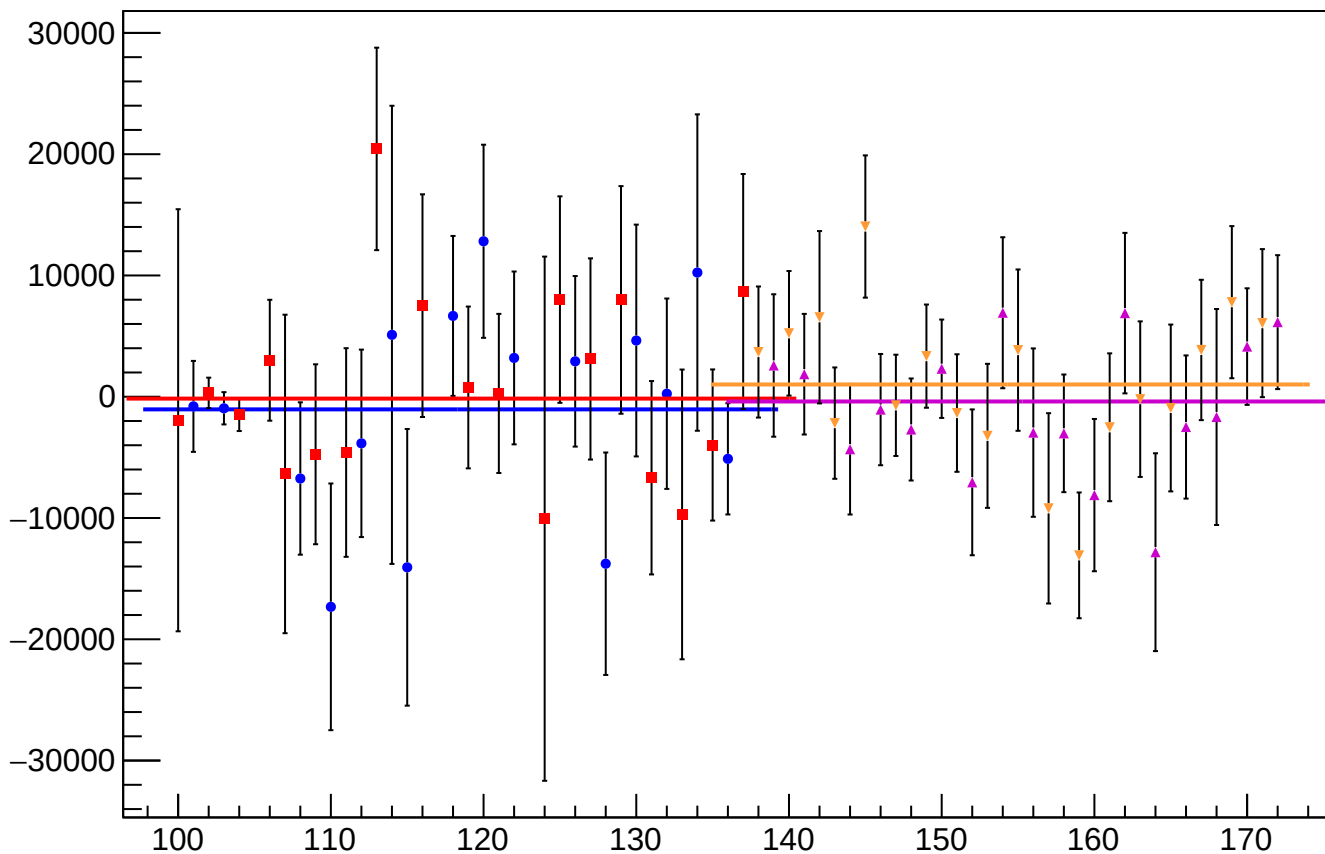
Right Out: 1925.259 $\pm$ 0.510 χ^2 /NDF: 339094.4/18

All: 1788.472 $\pm$ 0.194 χ^2 /NDF: 877039.1/69

Left In: 1745.345 $\pm$ 0.330 χ^2 /NDF: 25031.2/16

- sign 1798.337 $\pm$ 0.277 χ^2 /NDF: 451891.5/35

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -1041.906 $\pm$ 1072.405 χ^2 /NDF: 13.8/15

Left Out: 1011.812 $\pm$ 1310.255 χ^2 /NDF: 20.0/17

Right Out: -153.614 $\pm$ 835.655 χ^2 /NDF: 13.7/18

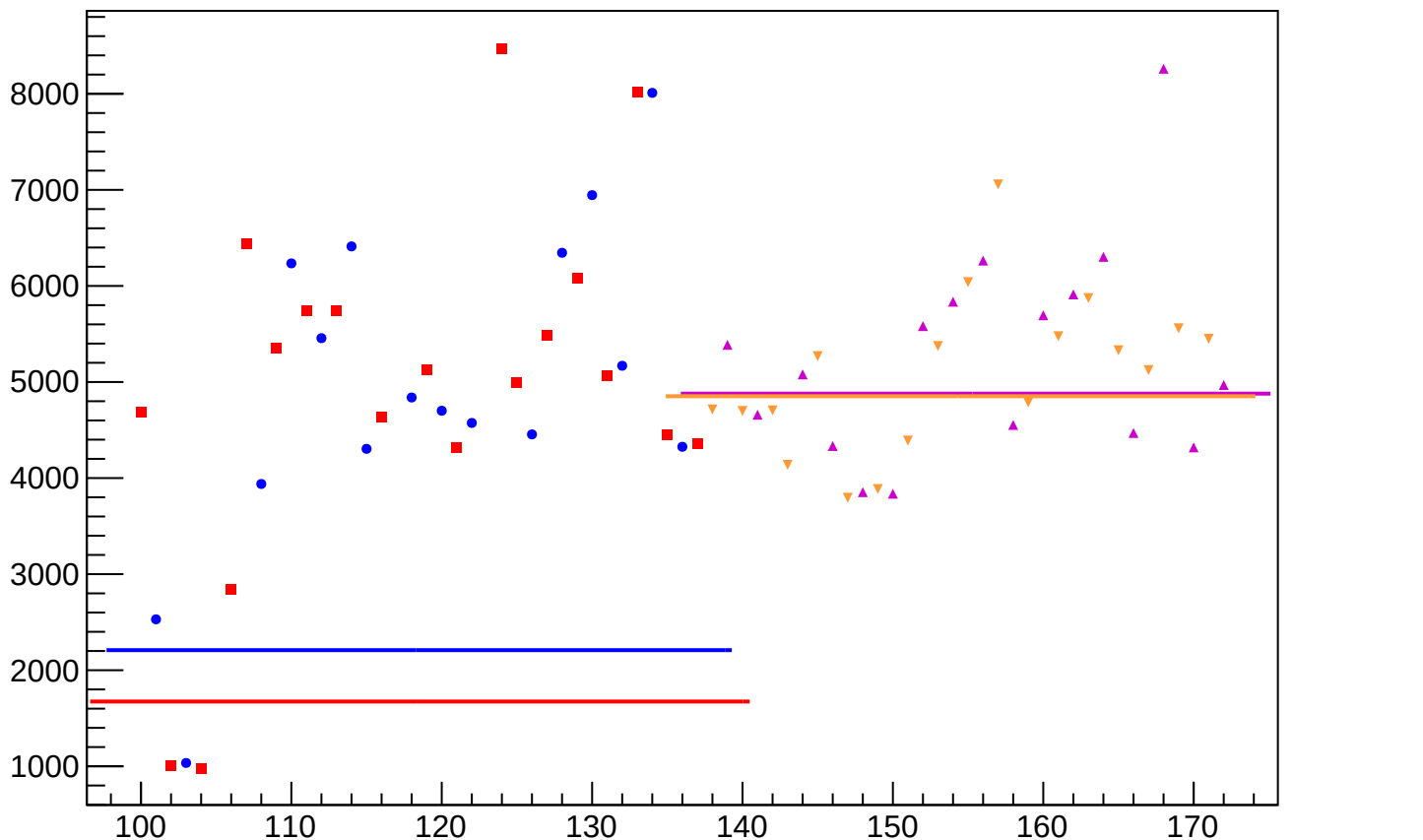
Left In: -391.033 $\pm$ 1329.109 χ^2 /NDF: 12.3/16

+ sign -218.037 $\pm$ 829.878 χ^2 /NDF: 35.3/33

All: -219.682 $\pm$ 538.374 χ^2 /NDF: 61.3/69

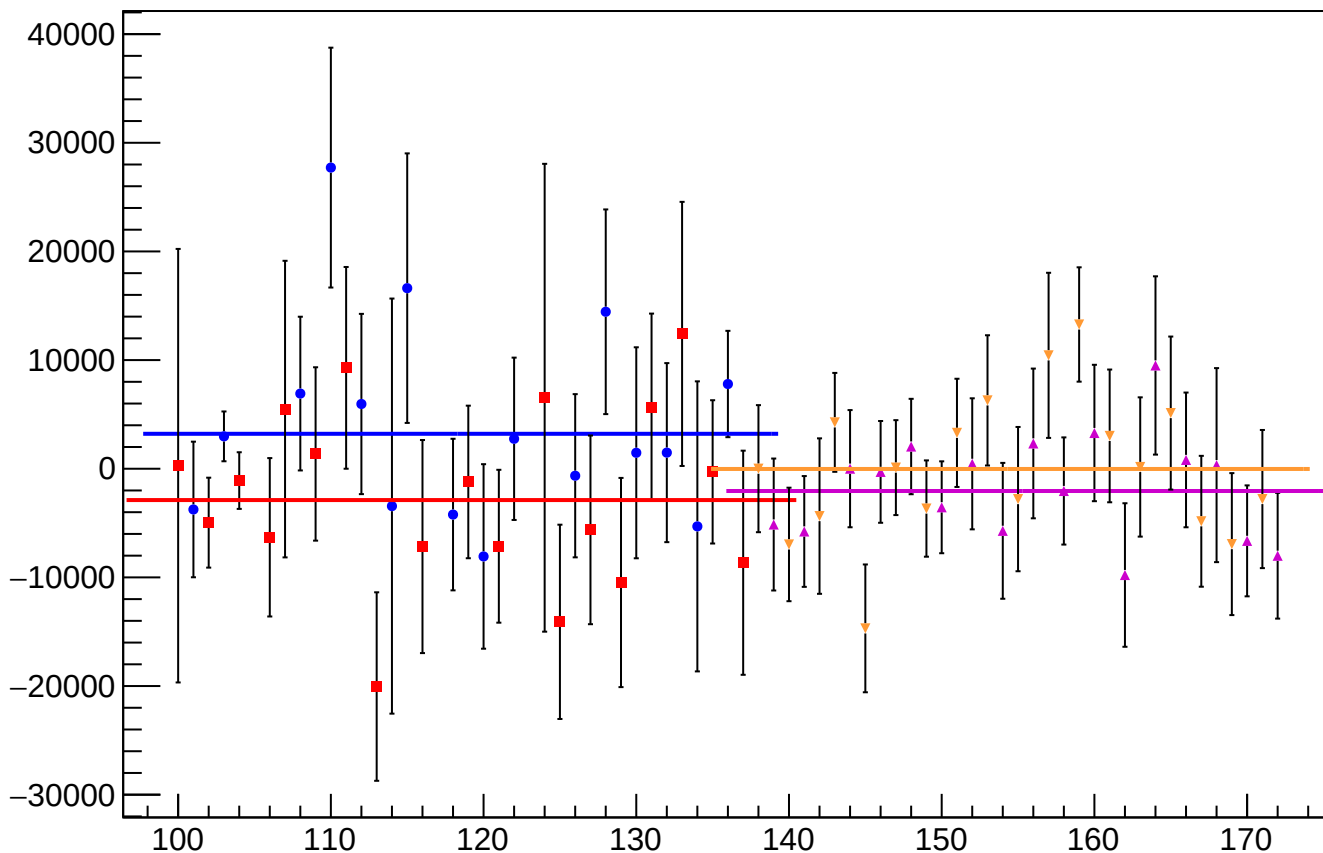
- sign -220.878 $\pm$ 707.445 χ^2 /NDF: 26.0/35

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2208.911+/-0.758	χ^2/NDF : 5499004.2/15	+ sign 3269.235+/-0.587	χ^2/NDF : 11052585.0/33
Left Out: 4852.058+/-0.926	χ^2/NDF : 679733.9/17	All: 2871.307+/-0.381	χ^2/NDF : 27966965.9/6
Right Out: 1674.162+/-0.591	χ^2/NDF : 6853204.8/18	- sign 2582.132+/-0.500	χ^2/NDF : 16120367.4/35
Left In: 4879.015+/-0.940	χ^2/NDF : 933123.2/16		

asym_atl1r2_avg_mean vs Slug



Right In: 3215.695 $\pm$ 1539.262 χ^2 /NDF: 13.8/15

Left Out: -20.917 $\pm$ 1339.593 χ^2 /NDF:22.7/17

Right Out: -2883.411 $\pm$ 1552.120 χ^2 /NDF: 13.4/18

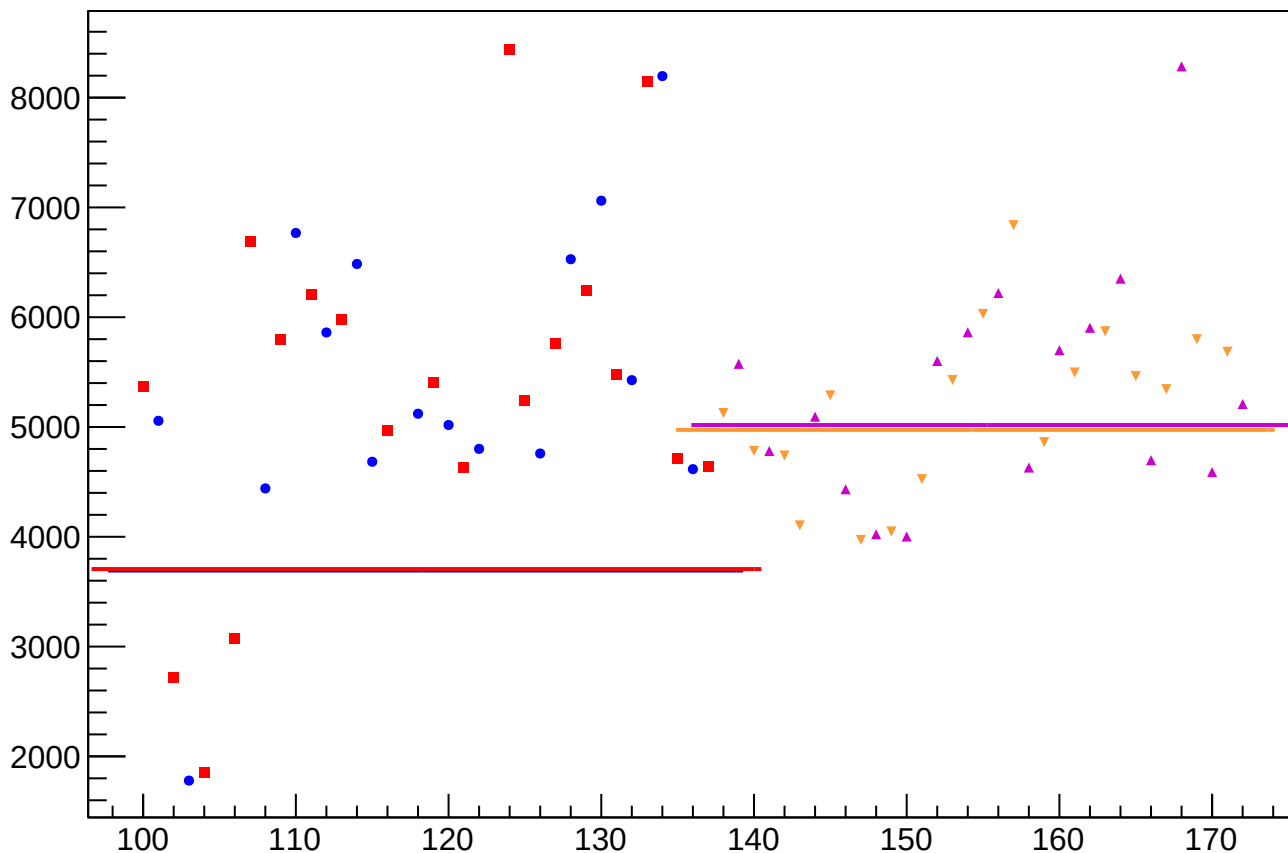
Left In: -2049.278 $\pm$ 1362.661 χ^2 /NDF:9.2/16

+ sign 1373.981 $\pm$ 1010.505 χ^2 /NDF: 39.0/33

All: -494.043 $\pm$ 719.264 χ^2 /NDF: 68.7/69

- sign -2412.355 $\pm$ 1024.016 χ^2 /NDF: 22.8/35

asym_atl1r2_avg_rms vs Slug



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

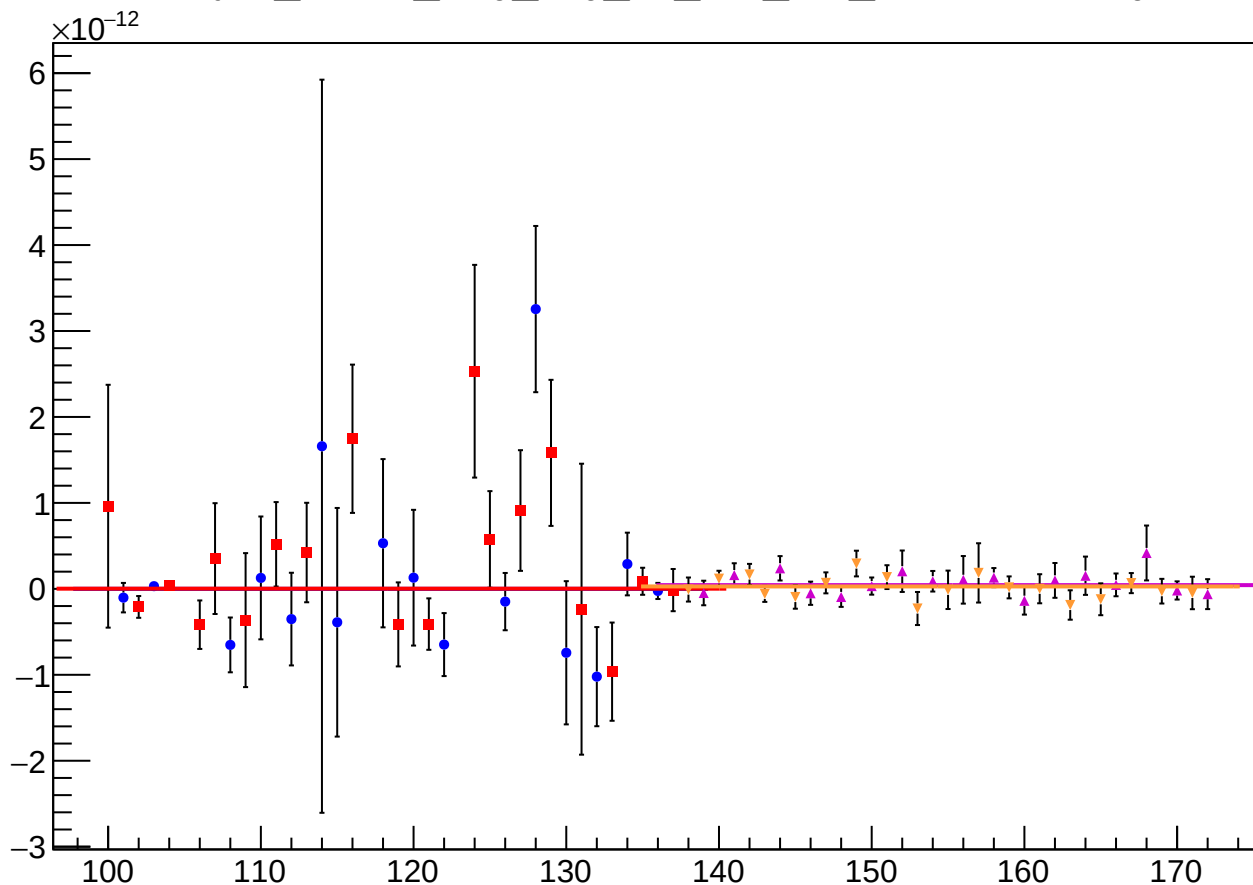
Left In: 5017.923+/-0.964 χ^2/NDF : 800872.3/16

+ sign 4421.647+/-0.715 χ^2/NDF : 4279016.1/33

All: 4430.957+/-0.507 χ^2/NDF : 8580738.9/69

- sign 4440.434+/-0.721 χ^2/NDF : 4301380.2/35

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 12.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 28.2/18

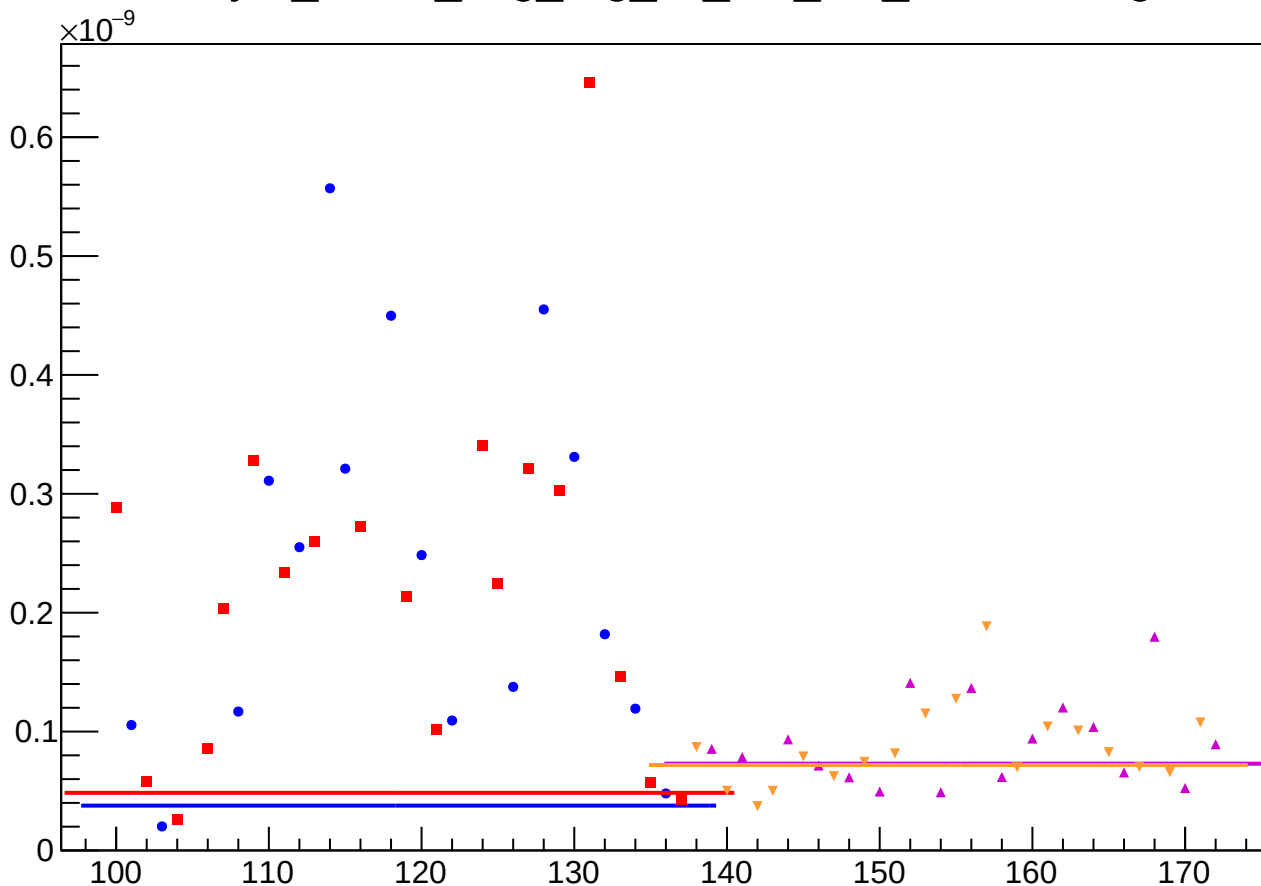
Left In: 0.000+/-0.000 χ^2/NDF : 9.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 38.3/33

All: 0.000+/-0.000 χ^2/NDF : 77.1/69

- sign 0.000+/-0.000 χ^2/NDF : 38.7/35

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1096172.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2895431.5/18

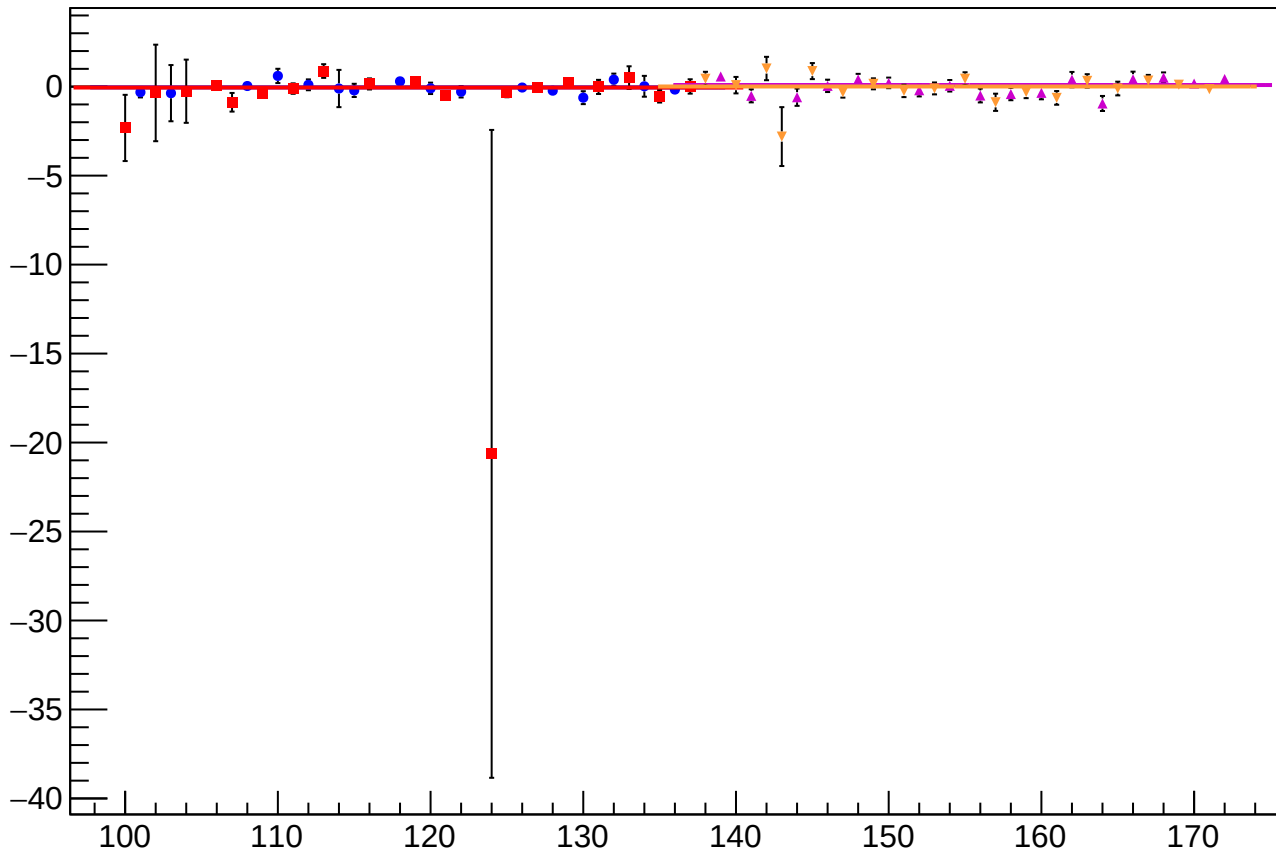
Left In: 0.000+/-0.000 χ^2/NDF : 1060001.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 5212347.0/33

All: 0.000+/-0.000 χ^2/NDF : 9621660.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4329827.9/35

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

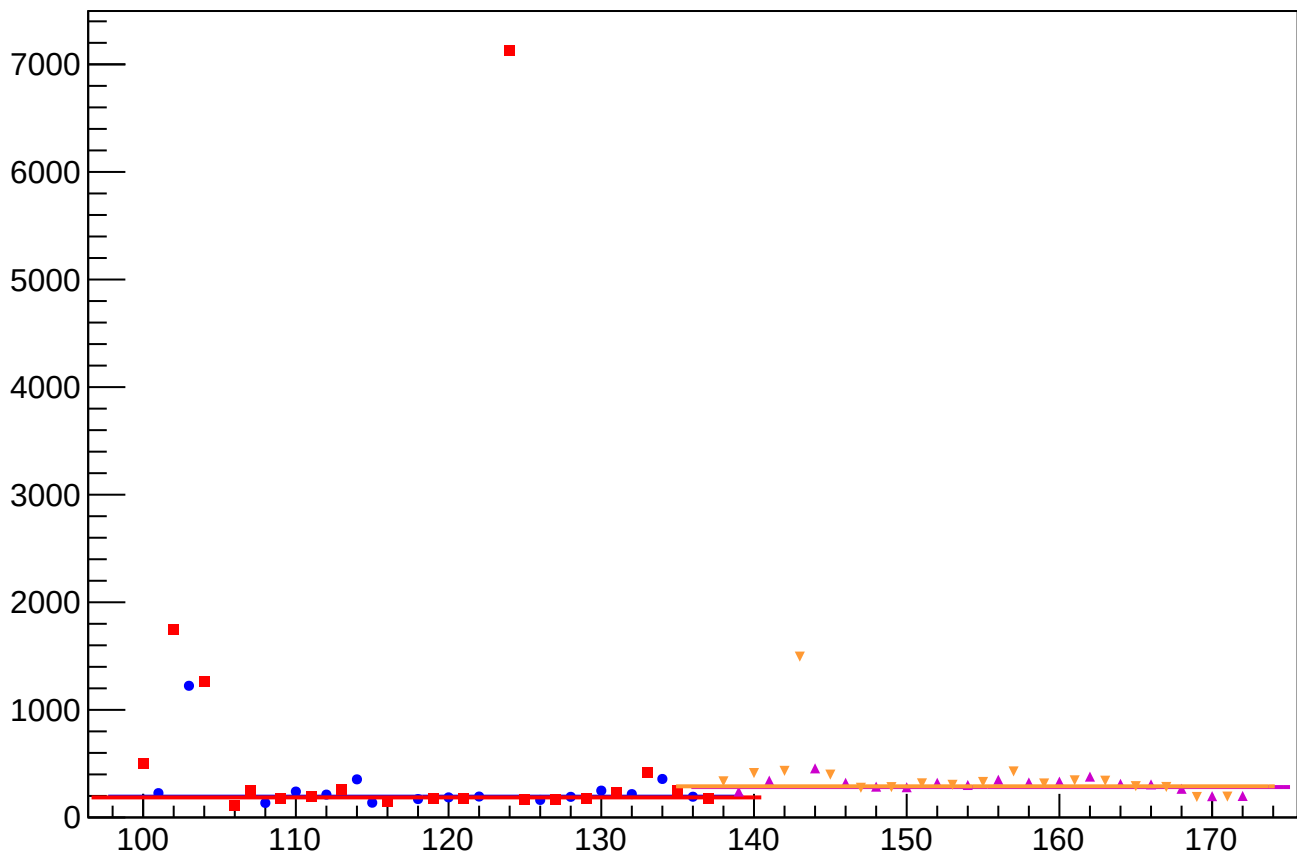
Left In: 0.091 ± 0.078 χ^2/NDF : 27.0/16

+ sign -0.017 ± 0.056 χ^2/NDF : 35.0/33

All: 0.002 ± 0.040 χ^2/NDF : 86.8/69

- sign 0.021 ± 0.056 χ^2/NDF : 51.6/35

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.248 $\pm$ 0.055 χ^2 /NDF: 1408397.0/15

Left Out: 289.493 $\pm$ 0.058 χ^2 /NDF: 2544216.9/17

Right Out: 186.379 $\pm$ 0.056 χ^2 /NDF: 2479083.9/18

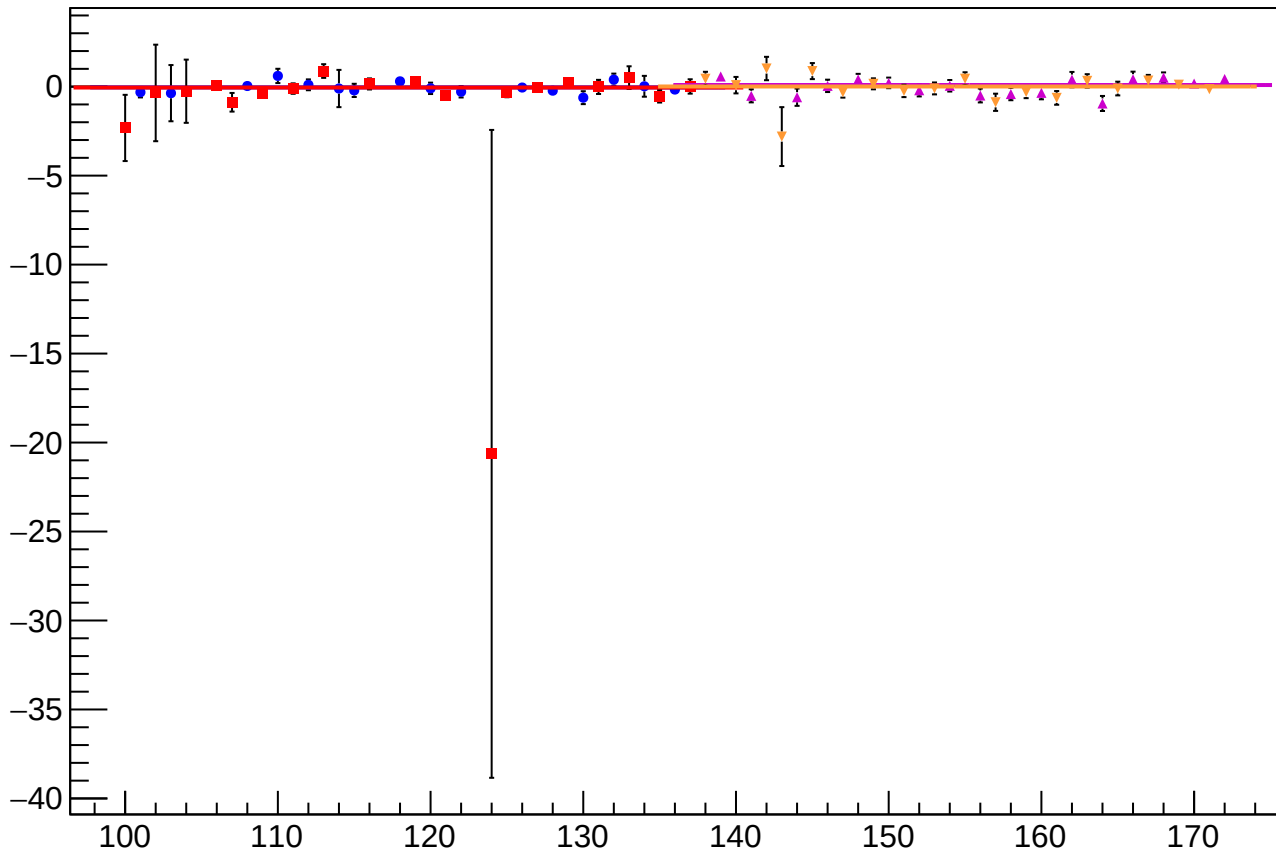
Left In: 282.428 $\pm$ 0.055 χ^2 /NDF: 1227575.0/16

+ sign 238.988 $\pm$ 0.040 χ^2 /NDF: 5408899.4/33

All: 236.780 $\pm$ 0.028 χ^2 /NDF: 10614725.9/69

- sign 234.631 $\pm$ 0.039 χ^2 /NDF: 5199763.4/35

asym_atl1r2_avg_dit_vs_eigen_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

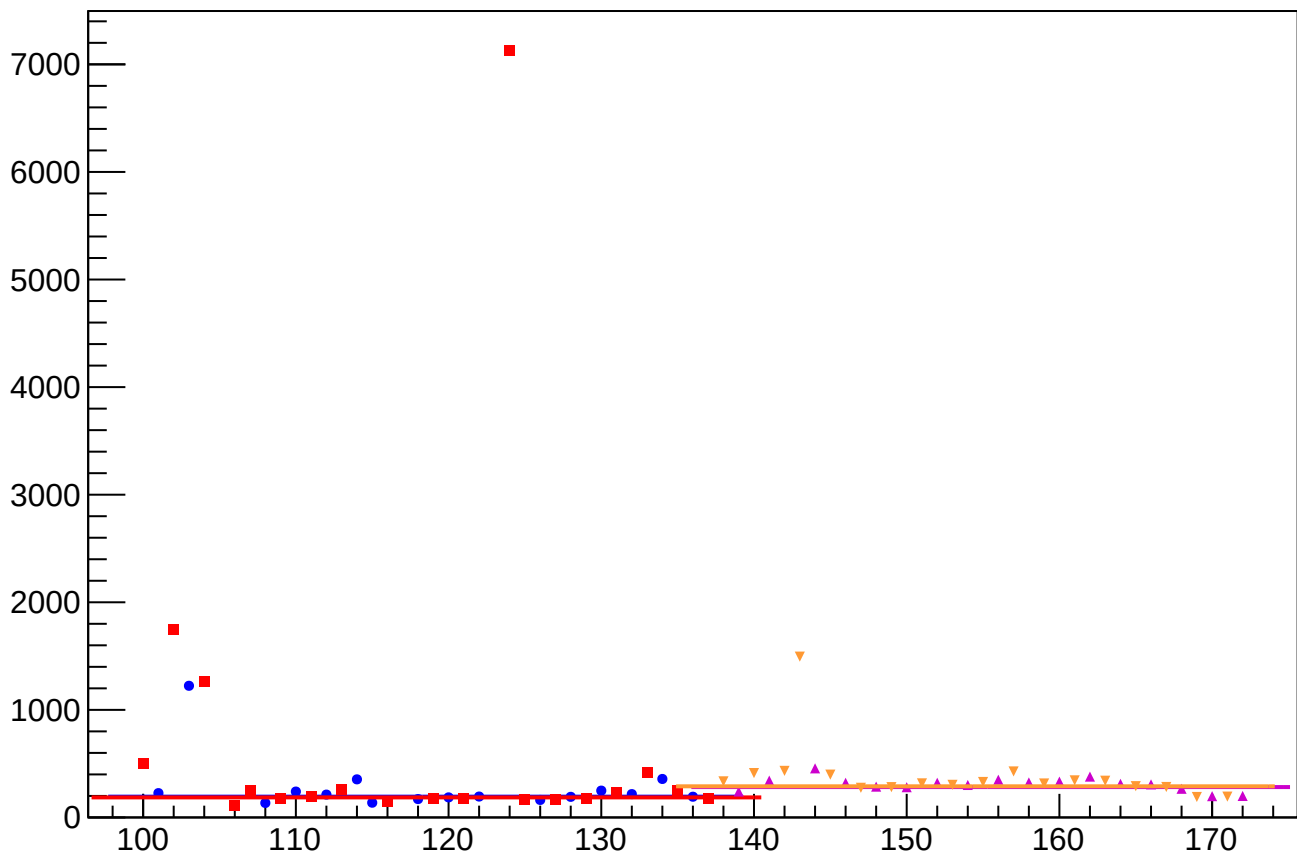
Left In: 0.091 ± 0.078 χ^2/NDF : 27.0/16

+ sign -0.017 ± 0.056 χ^2/NDF : 35.0/33

All: 0.002 ± 0.040 χ^2/NDF : 86.8/69

- sign 0.021 ± 0.056 χ^2/NDF : 51.6/35

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

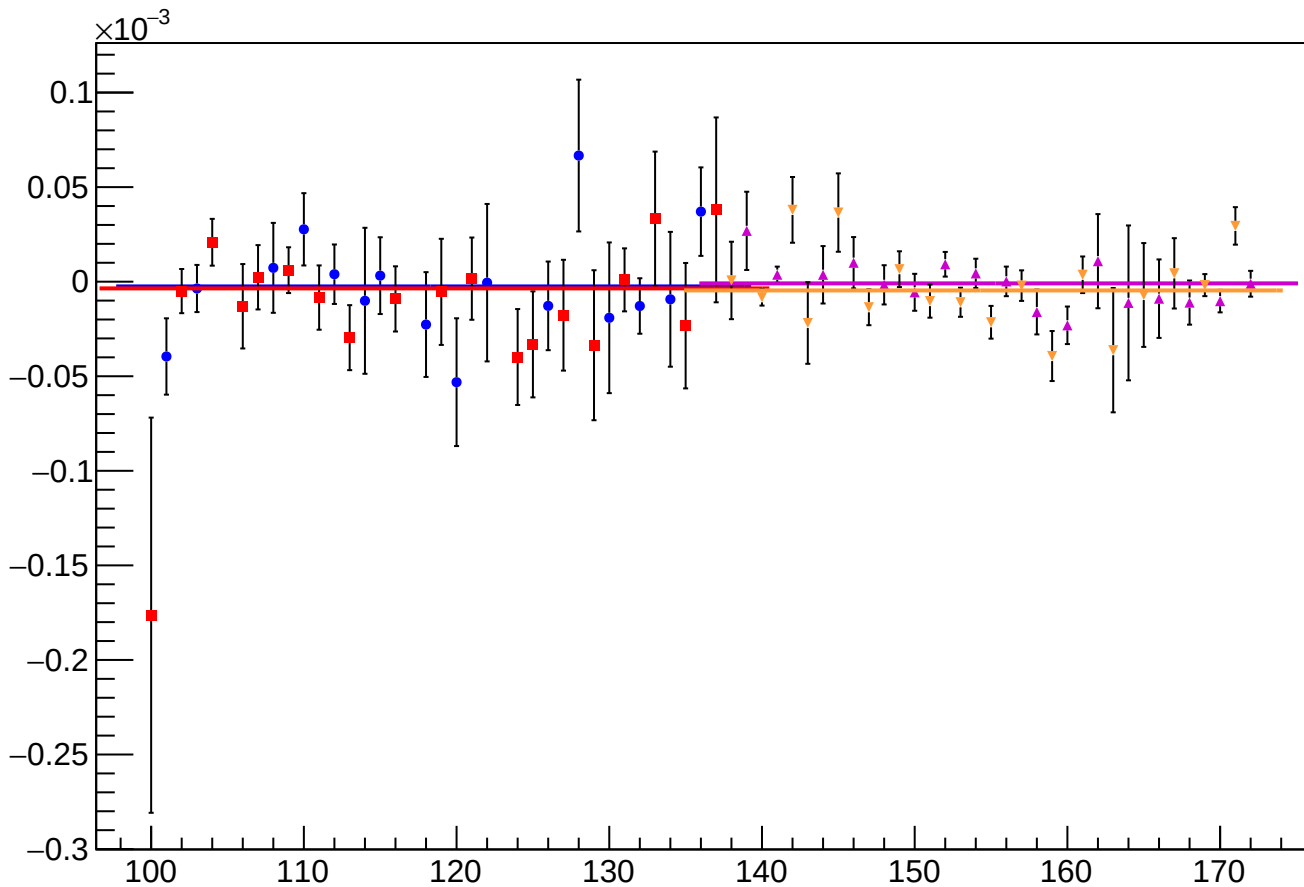
Left In: 282.428 ± 0.055 χ^2/NDF : 1227575.0/16

+ sign 238.988 ± 0.040 χ^2/NDF : 5408899.4/33

All: 236.780 ± 0.028 χ^2/NDF : 10614725.9/69

- sign 234.631 ± 0.039 χ^2/NDF : 5199763.4/35

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

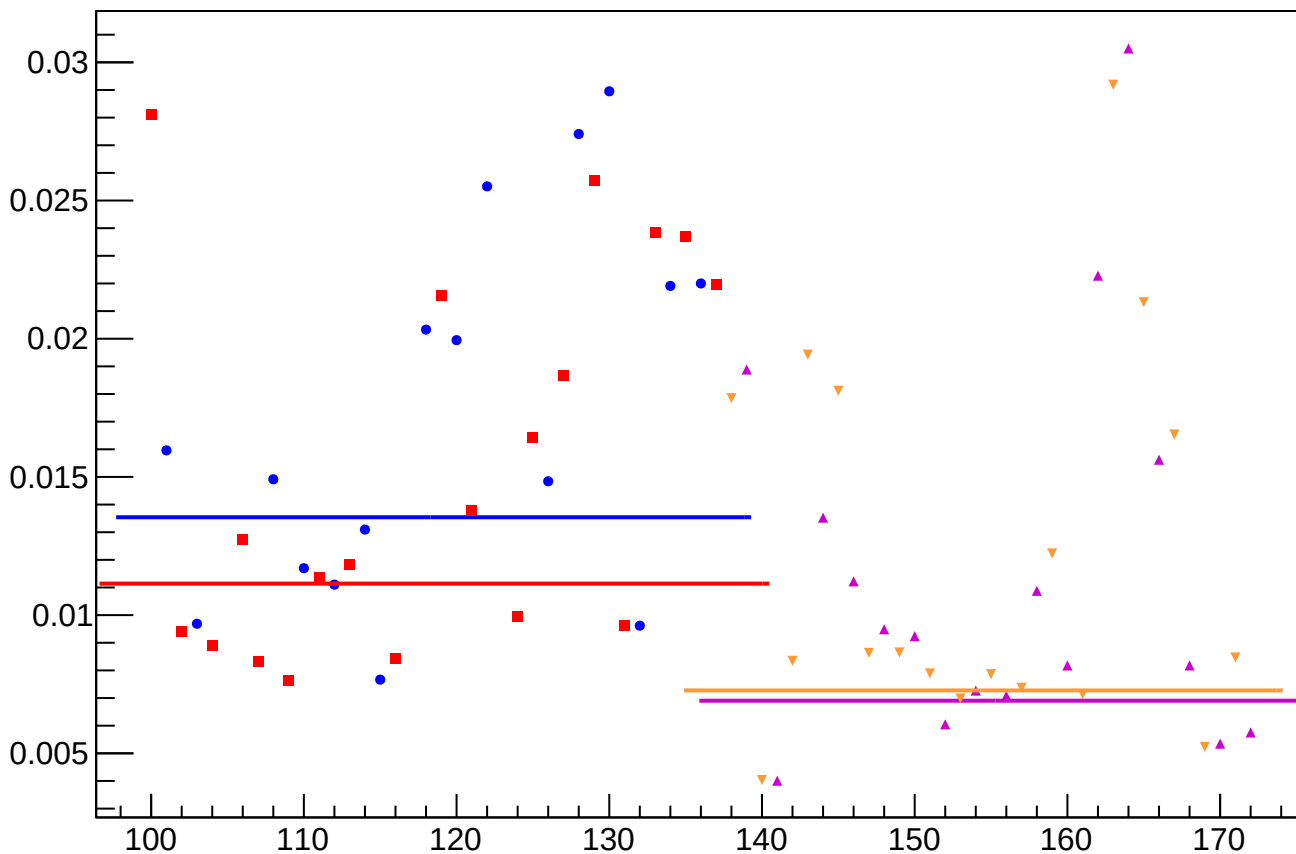
Left In: -0.000+/-0.000 χ^2/NDF : 17.1/16

+ sign -0.000+/-0.000 χ^2/NDF : 55.4/33

All: -0.000+/-0.000 χ^2/NDF : 90.2/69

- sign -0.000+/-0.000 χ^2/NDF : 33.7/35

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1877615.1/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 5380491.6/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1887740.8/18

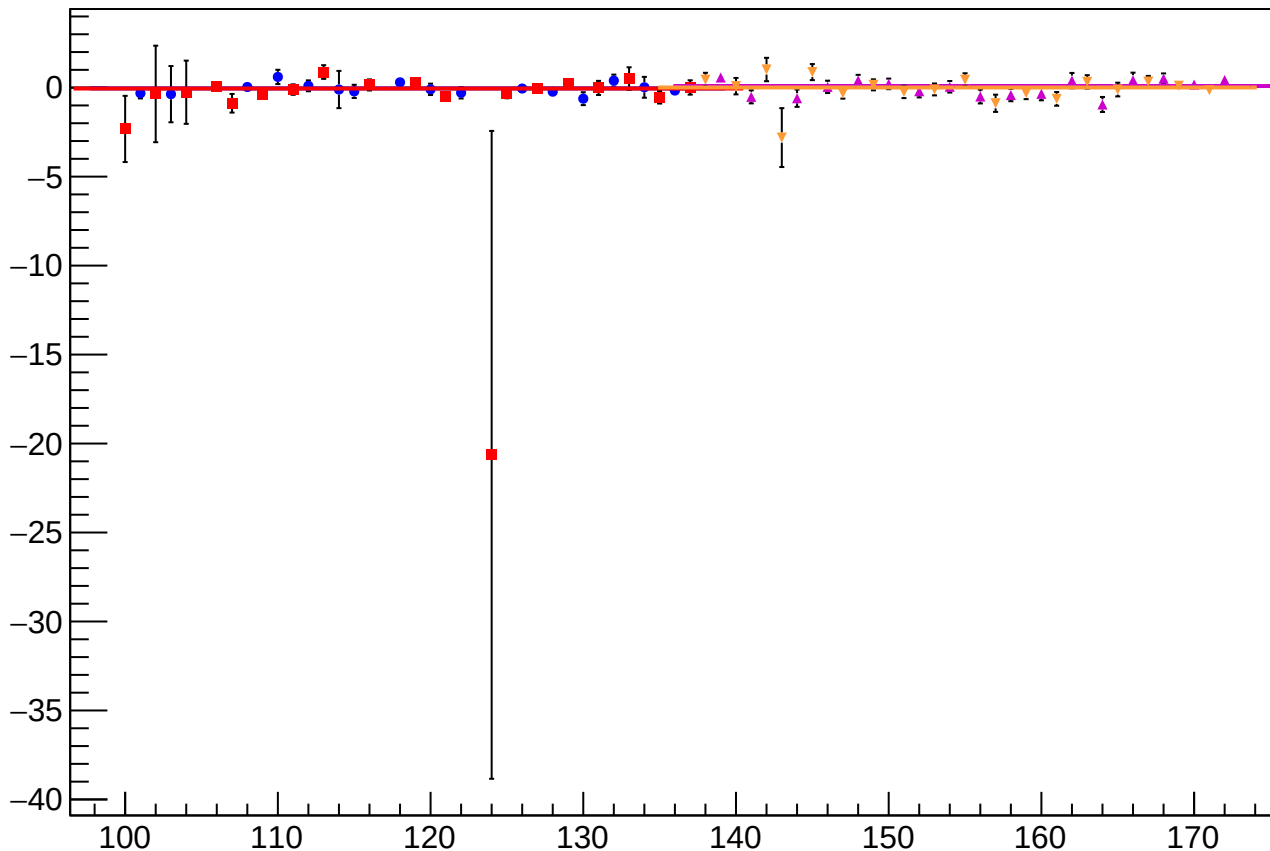
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4709573.8/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 9524585.3/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 17650374.6/69

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 8067598.0/35

asym_atl1r2_avg_eigen_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

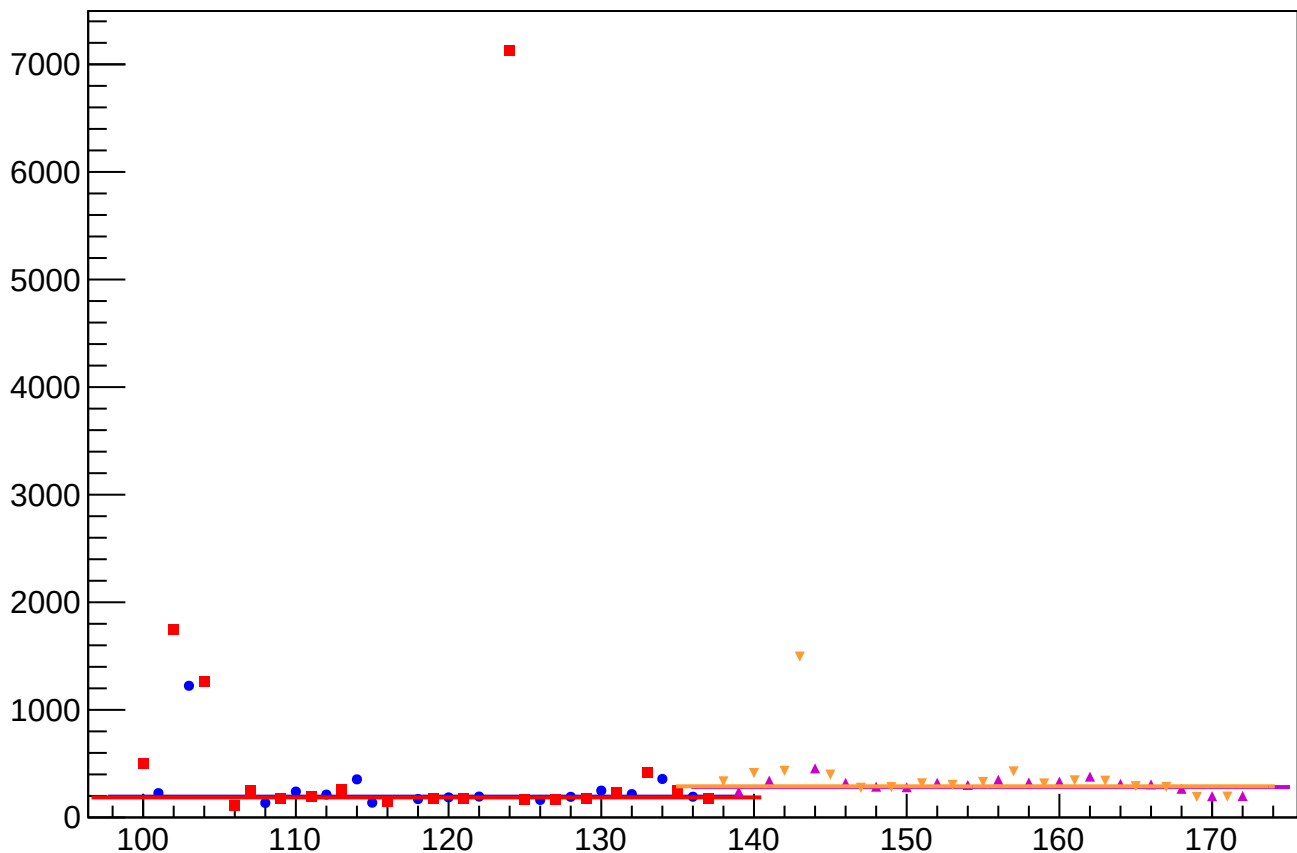
Left In: 0.091 ± 0.078 χ^2/NDF : 27.0/16

+ sign -0.017 ± 0.056 χ^2/NDF : 35.0/33

All: 0.002 ± 0.040 χ^2/NDF : 86.8/69

- sign 0.021 ± 0.056 χ^2/NDF : 51.6/35

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

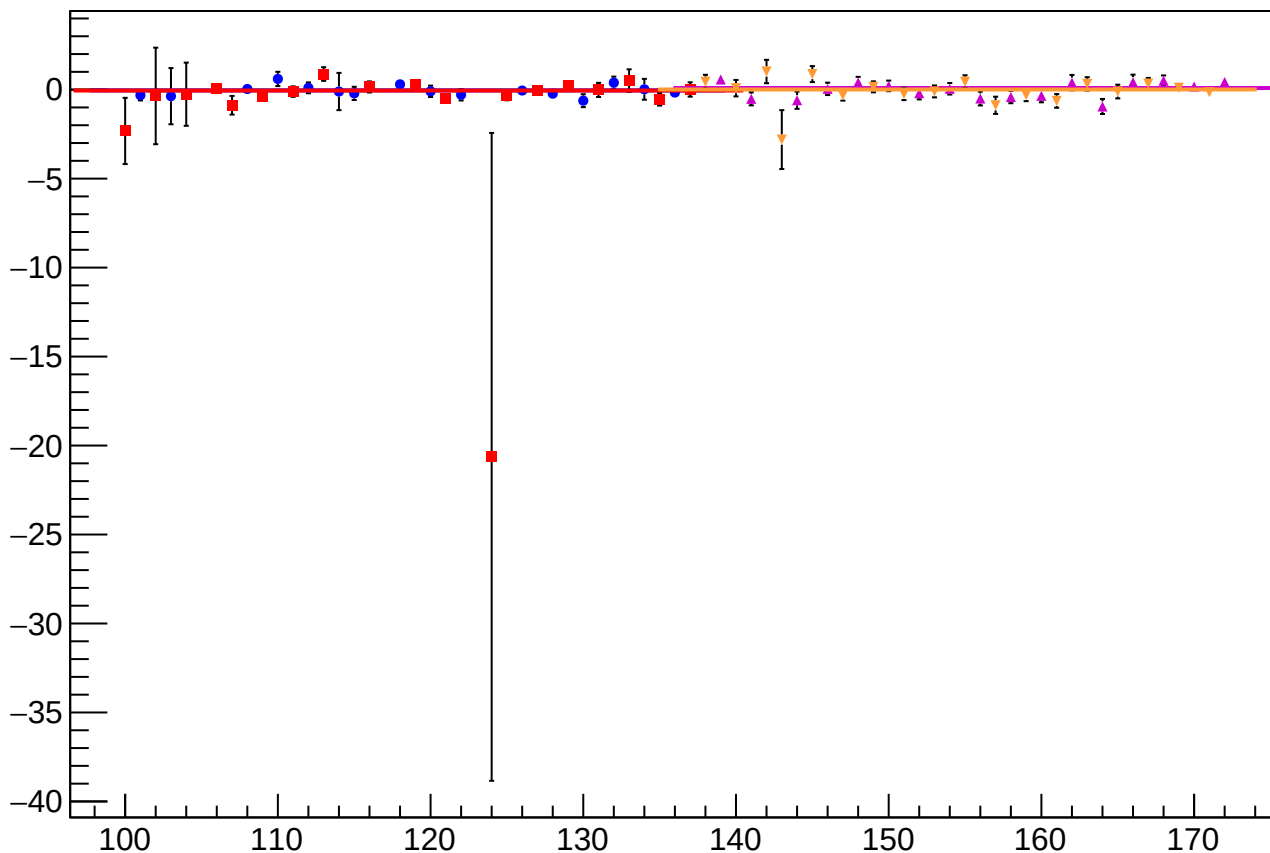
Left In: 282.431 ± 0.055 χ^2/NDF : 1227613.9/16

+ sign 238.987 ± 0.040 χ^2/NDF : 5409079.6/33

All: 236.780 ± 0.028 χ^2/NDF : 10615143.2/69

- sign 234.630 ± 0.039 χ^2/NDF : 5200000.2/35

asym_atl1r2_avg_eigen_dit_vs_eigen_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

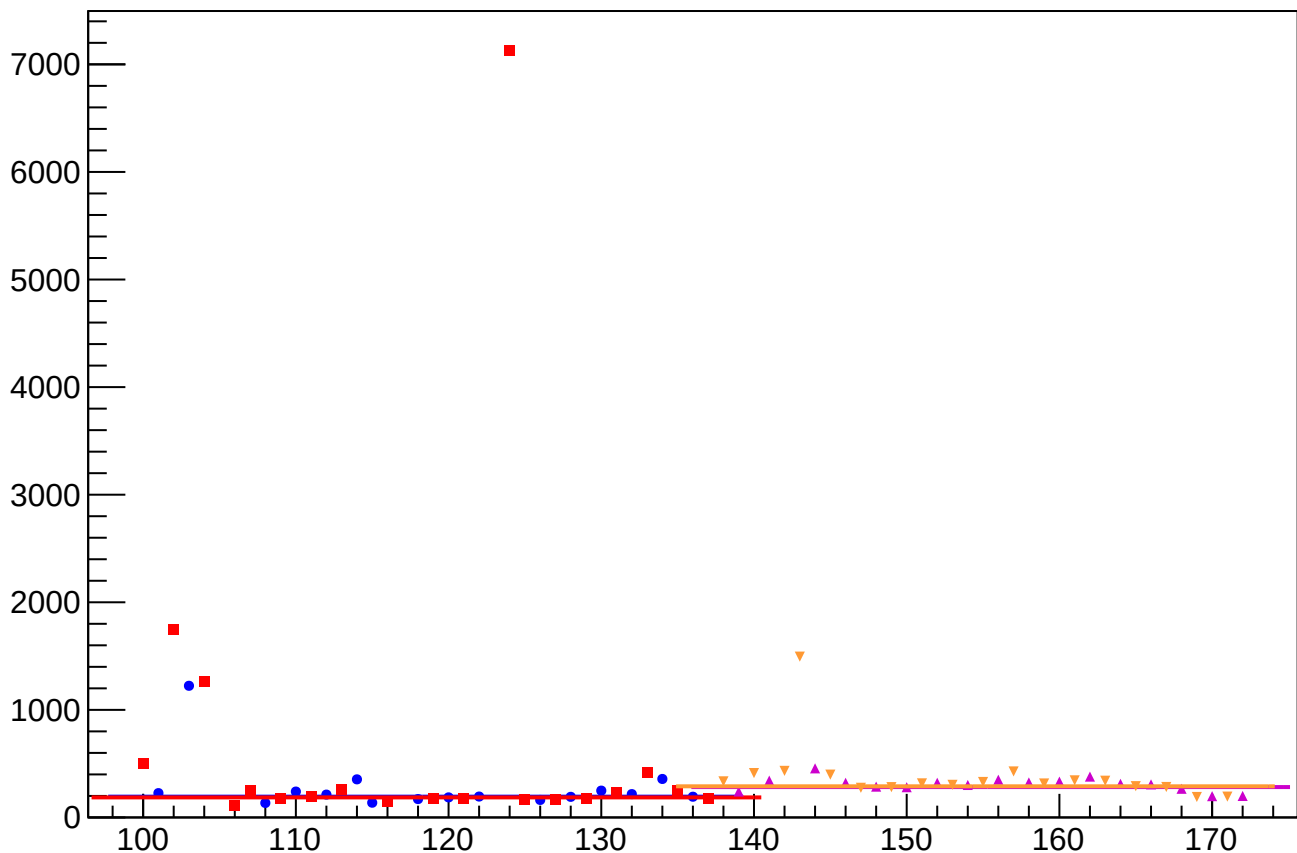
Left In: 0.091 ± 0.078 χ^2/NDF : 27.0/16

+ sign -0.017 ± 0.056 χ^2/NDF : 35.0/33

All: 0.002 ± 0.040 χ^2/NDF : 86.8/69

- sign 0.021 ± 0.056 χ^2/NDF : 51.6/35

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.247 $\pm$ 0.055 χ^2 /NDF: 1408390.6/15

Left Out: 289.496 $\pm$ 0.058 χ^2 /NDF: 2544287.1/17

Right Out: 186.376 $\pm$ 0.056 χ^2 /NDF: 2479113.1/18

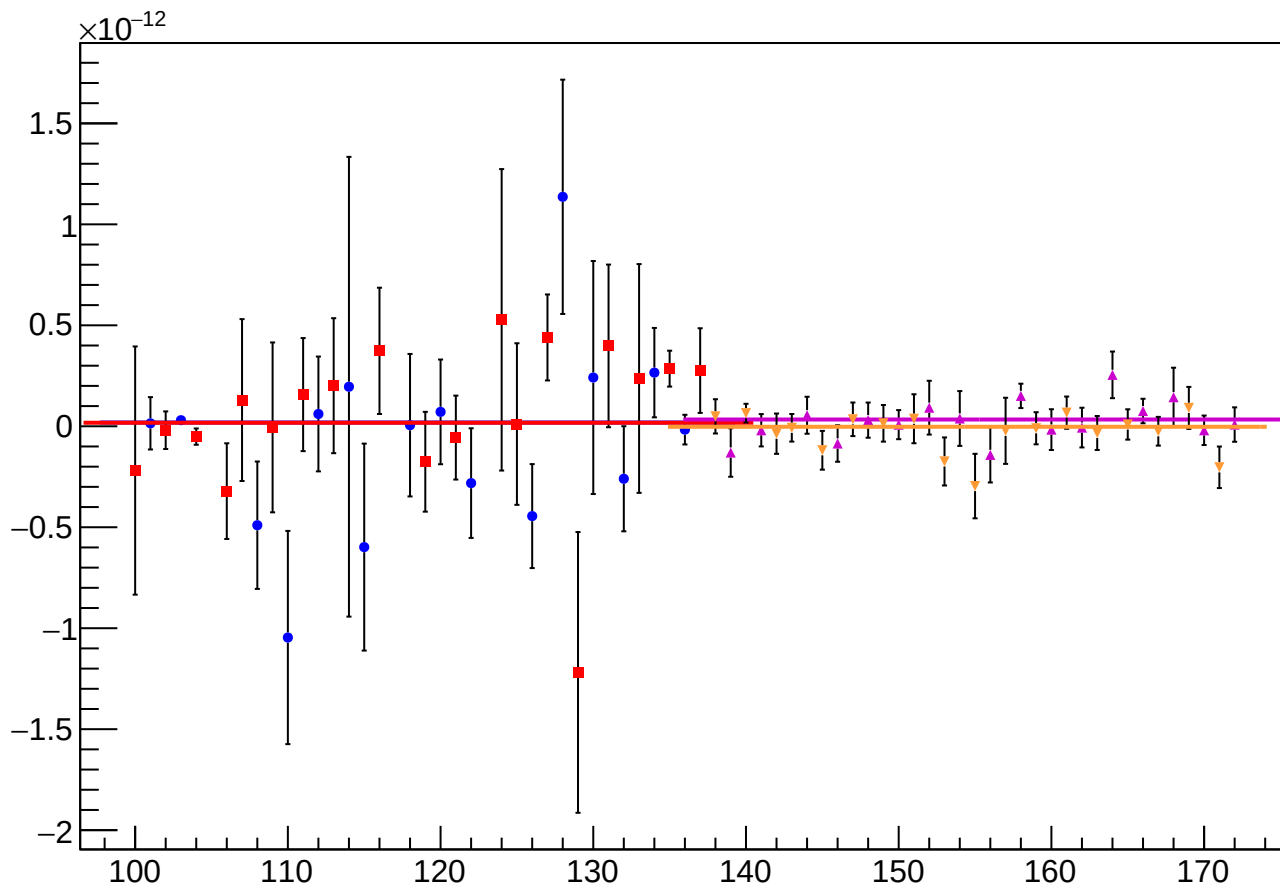
Left In: 282.431 $\pm$ 0.055 χ^2 /NDF: 1227613.9/16

+ sign 238.987 $\pm$ 0.040 χ^2 /NDF: 5409079.6/33

All: 236.780 $\pm$ 0.028 χ^2 /NDF: 10615143.2/69

- sign 234.630 $\pm$ 0.039 χ^2 /NDF: 5200000.2/35

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

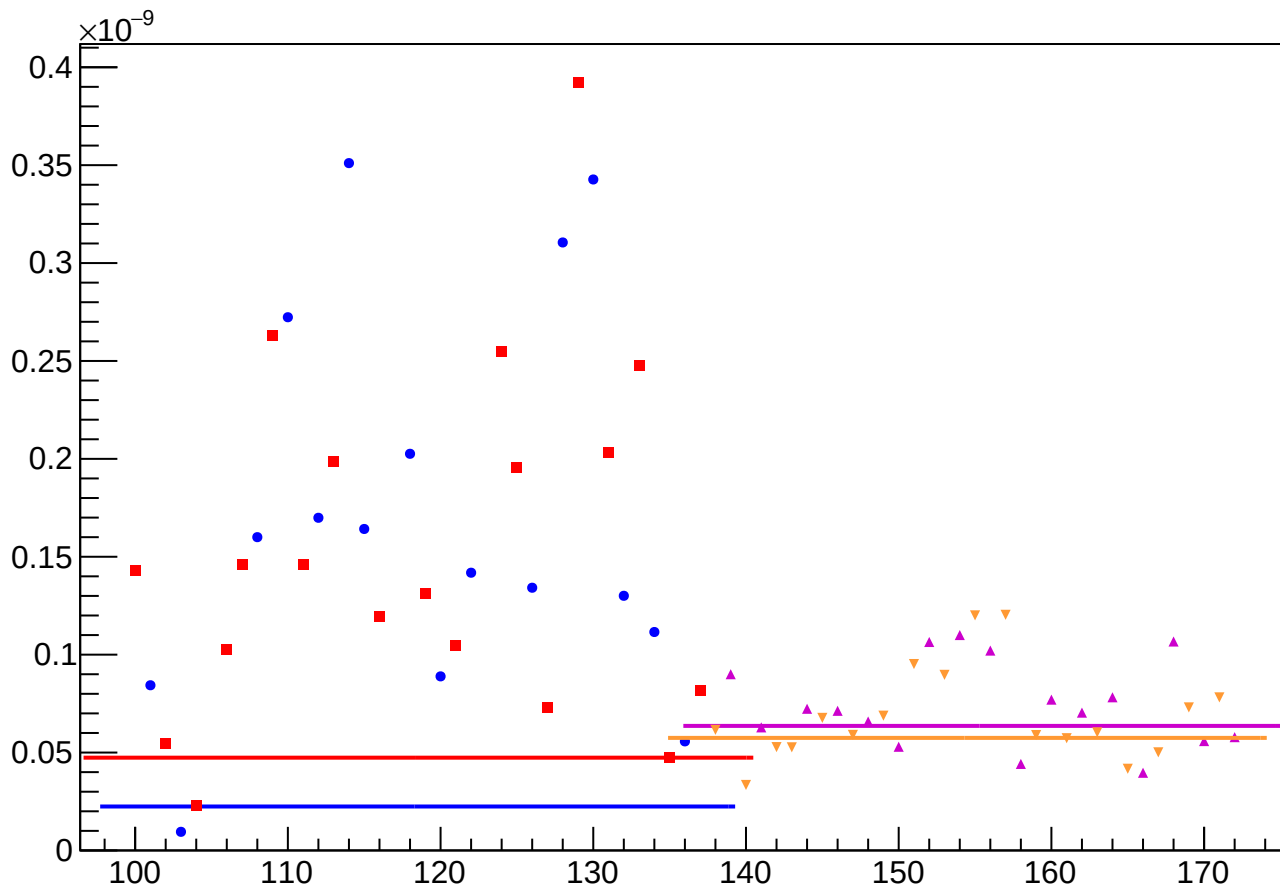
Left In: 0.000 ± 0.000 χ^2/NDF : 15.6/16

+ sign 0.000 ± 0.000 χ^2/NDF : 35.5/33

All: 0.000 ± 0.000 χ^2/NDF : 79.2/69

- sign 0.000 ± 0.000 χ^2/NDF : 42.9/35

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6410173.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1790481.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4236050.4/18

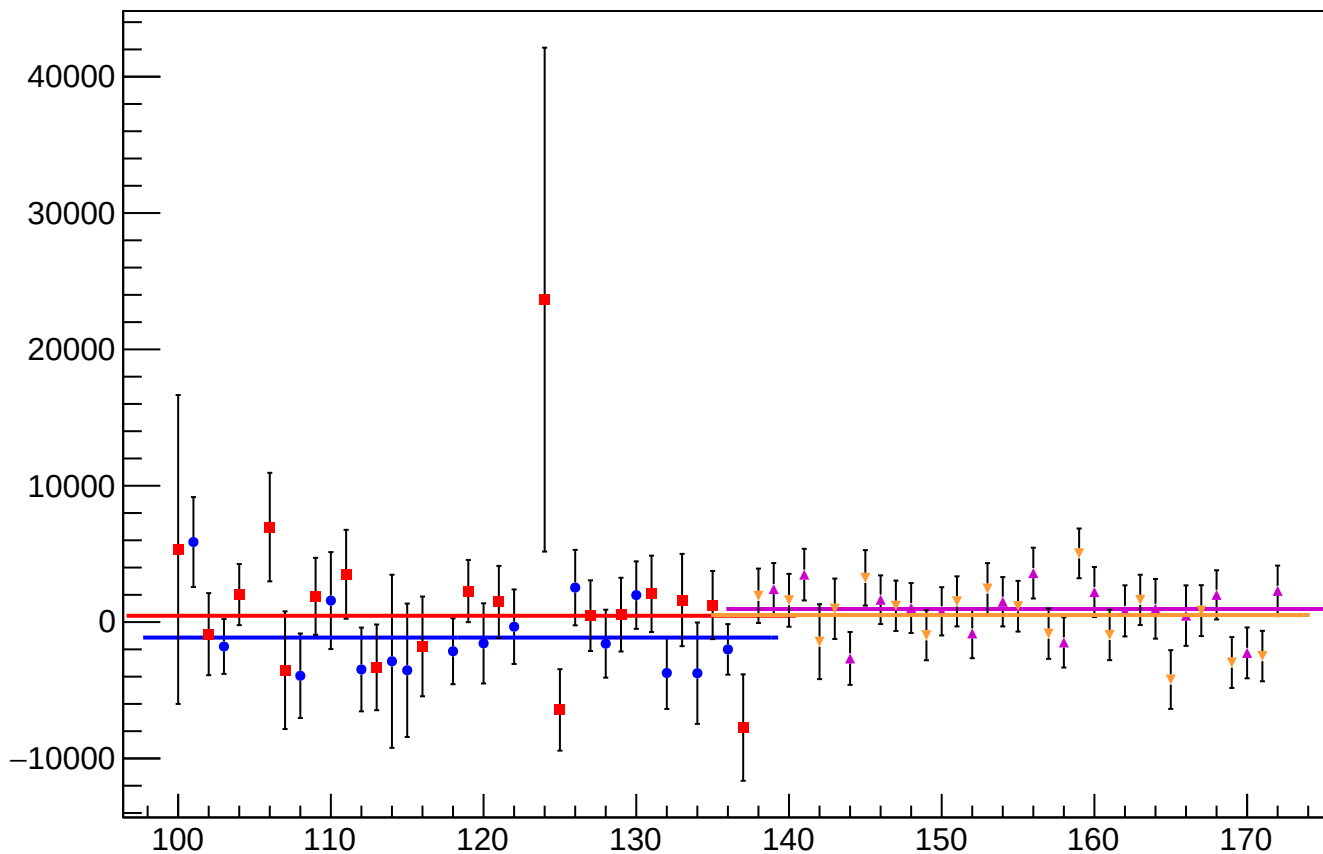
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1575249.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11194512.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18591089.1/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6177007.5/35

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

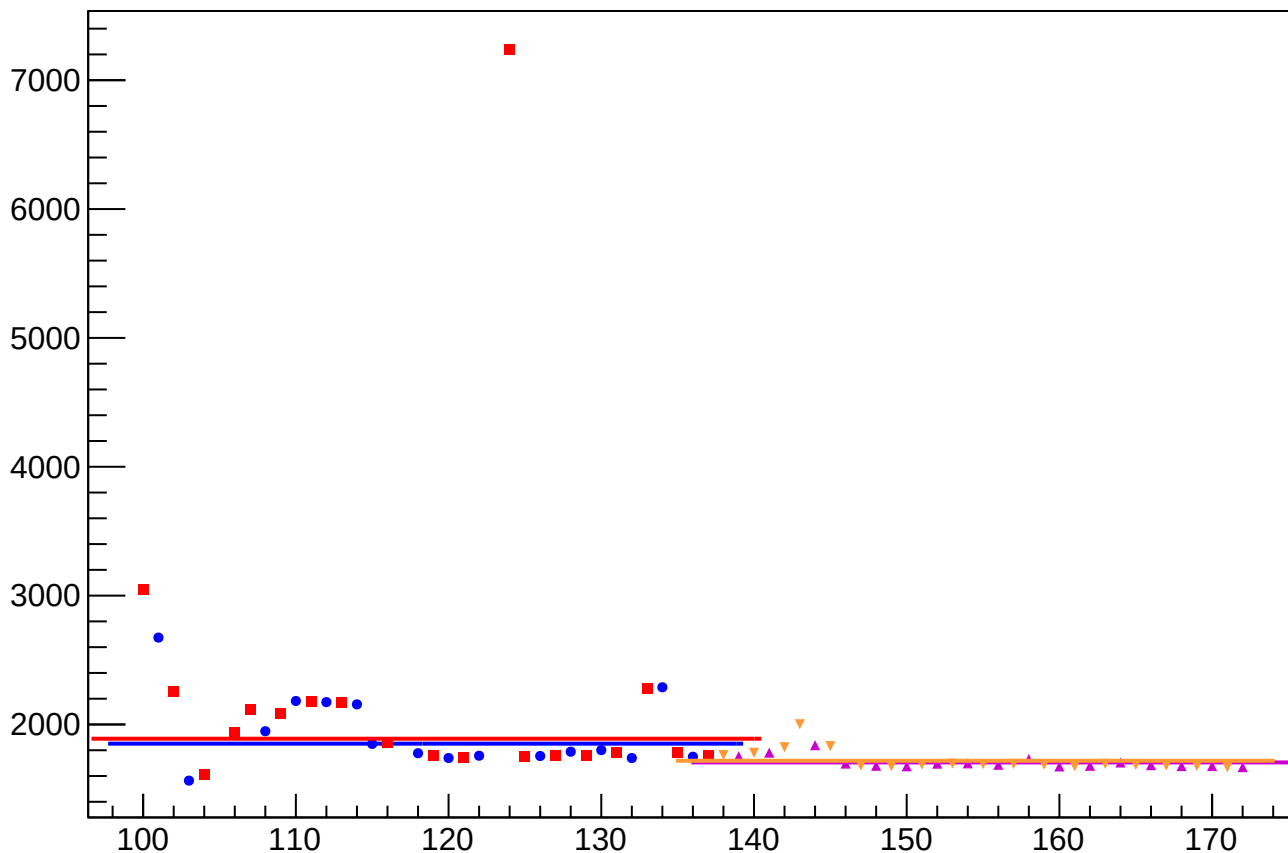
Left In: 961.235 ± 455.392 χ^2/NDF : 15.2/16

+ sign 19.036 ± 380.790 χ^2/NDF : 40.3/33

All: 415.333 ± 269.923 χ^2/NDF : 78.0/69

- sign 815.564 ± 382.675 χ^2/NDF : 35.5/35

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

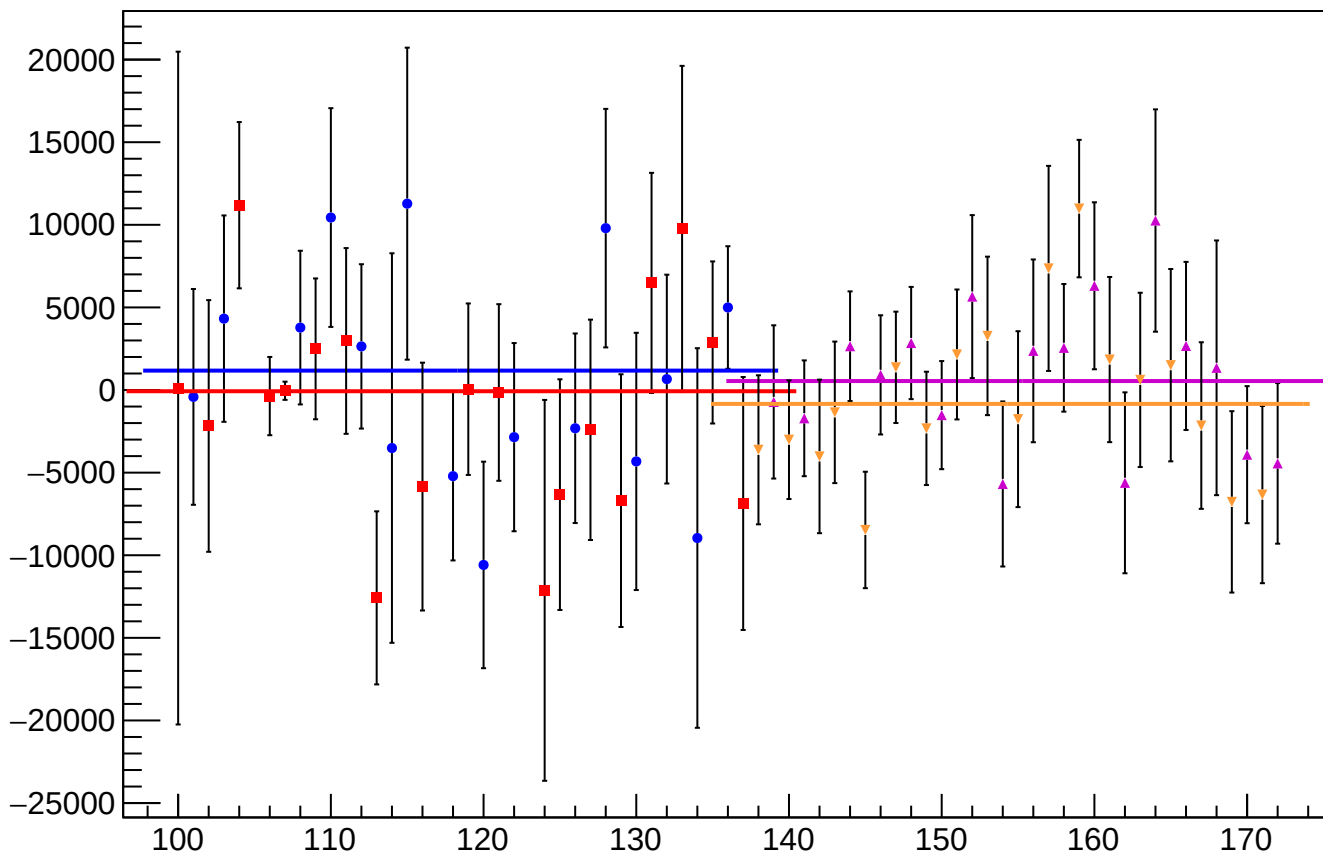
Left In: 1705.499+/-0.322 χ^2 /NDF: 18582.7/16

+ sign 1758.508+/-0.269 χ^2 /NDF: 364875.7/33

All: 1759.129+/-0.191 χ^2 /NDF: 838664.2/69

- sign 1759.755+/-0.270 χ^2 /NDF: 473777.8/35

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1175.430 $\pm$ 1502.128 χ^2/NDF : 13.7/15

Left Out: -839.641 $\pm$ 1042.009 χ^2/NDF : 20.5/17

Right Out: -72.681 $\pm$ 505.693 χ^2/NDF : 17.9/18

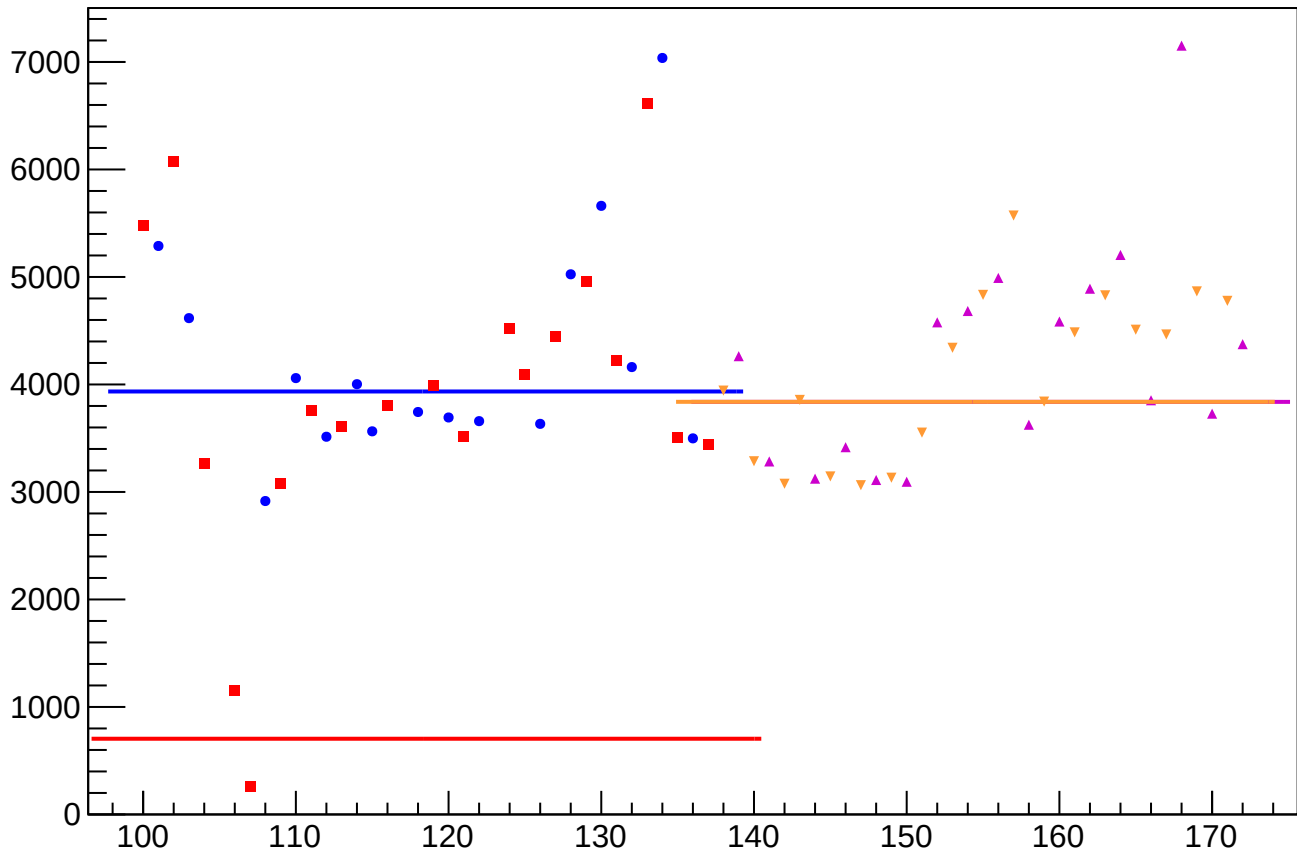
Left In: 543.937 $\pm$ 1049.945 χ^2/NDF : 11.8/16

+ sign -184.998 $\pm$ 856.178 χ^2/NDF : 35.4/33

All: -6.983 $\pm$ 402.202 χ^2/NDF : 65.5/69

- sign 43.425 $\pm$ 455.603 χ^2/NDF : 30.0/35

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

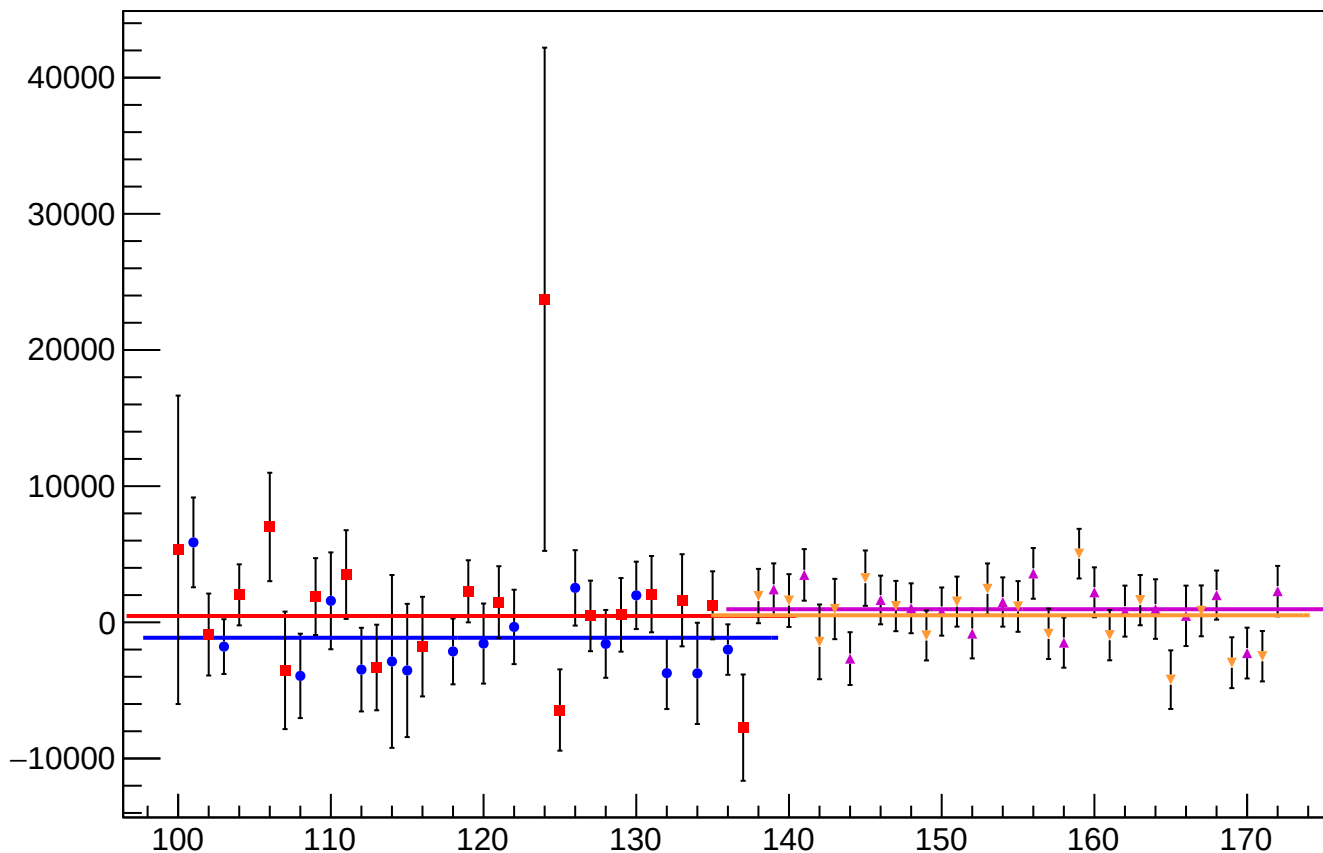
Left In: 3838.009+/-0.742 χ^2/NDF : 1172412.6/16

+ sign 3869.756+/-0.605 χ^2/NDF : 1487374.5/33

All: 1862.751+/-0.284 χ^2/NDF : 41841156.9/6

- sign 1294.431+/-0.322 χ^2/NDF : 26251728.4/35

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

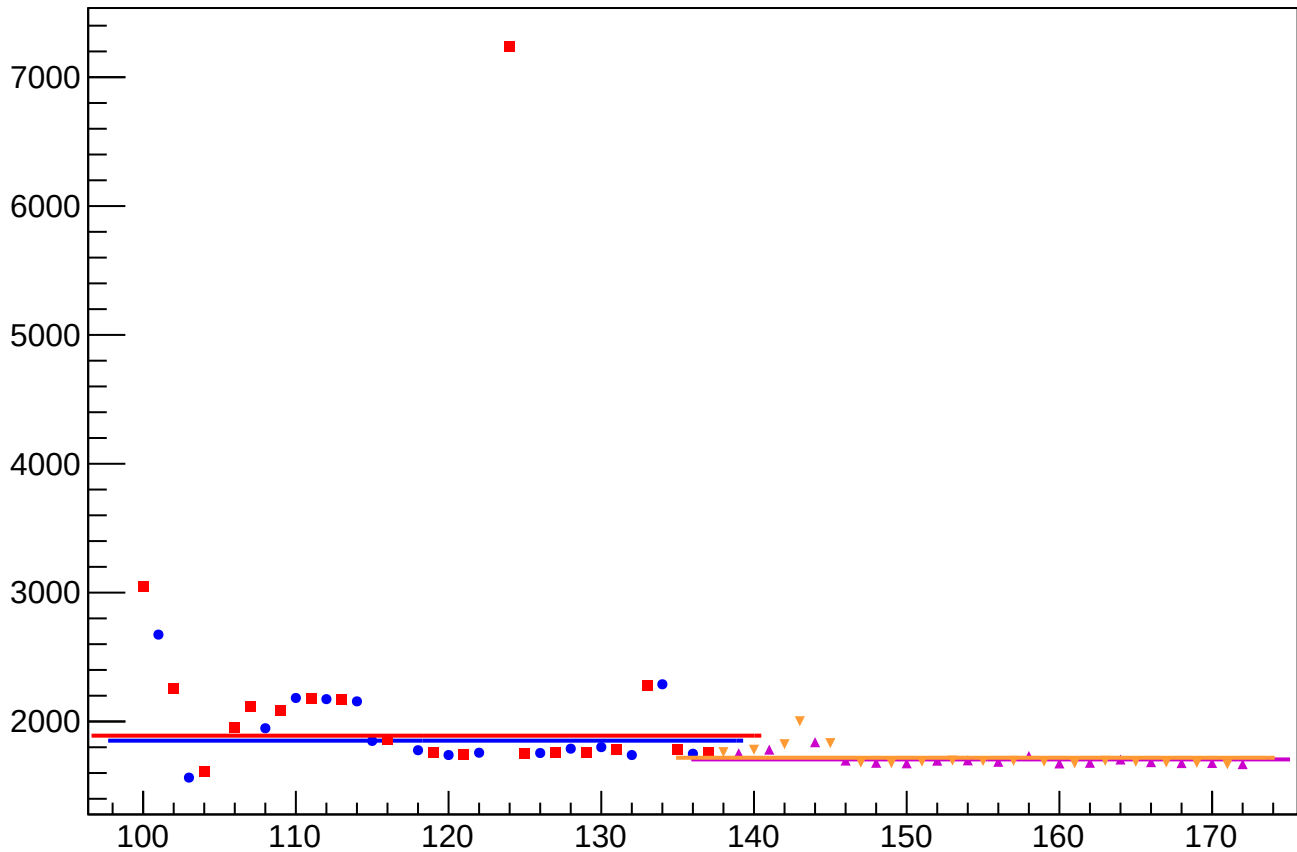
Left In: 961.174 ± 455.392 χ^2/NDF : 15.2/16

+ sign 19.236 ± 380.790 χ^2/NDF : 40.3/33

All: 415.468 ± 269.923 χ^2/NDF : 78.0/69

- sign 815.632 ± 382.675 χ^2/NDF : 35.6/35

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.131 $\pm$ 0.491 χ^2 /NDF: 259980.7/15

Left Out: 1718.576 $\pm$ 0.322 χ^2 /NDF: 53879.7/17

Right Out: 1889.986 $\pm$ 0.498 χ^2 /NDF: 359122.3/18

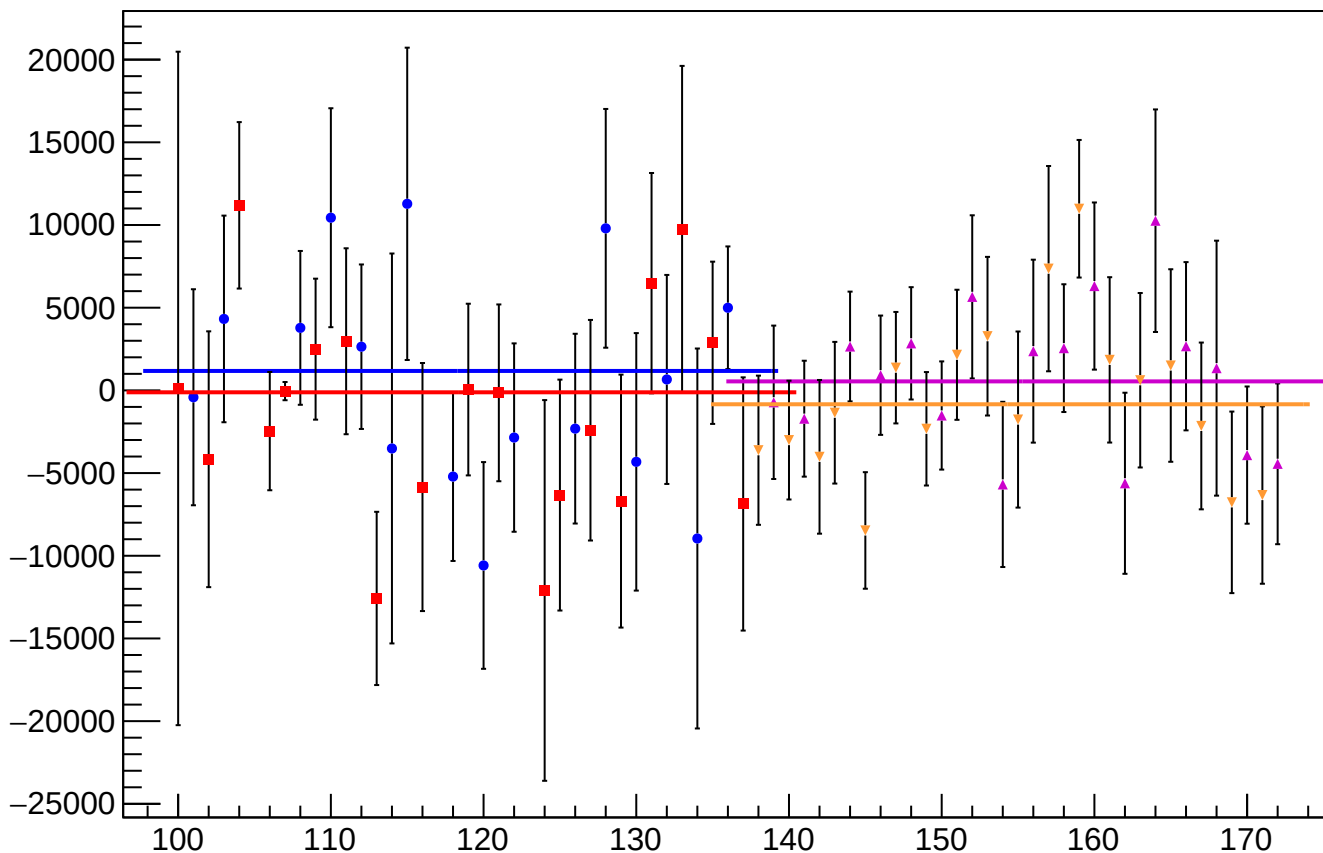
Left In: 1705.499 $\pm$ 0.322 χ^2 /NDF: 18582.7/16

+ sign 1758.508 $\pm$ 0.269 χ^2 /NDF: 364875.1/33

All: 1759.188 $\pm$ 0.191 χ^2 /NDF: 839334.6/69

- sign 1759.873 $\pm$ 0.270 χ^2 /NDF: 474446.7/35

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2 /NDF: 13.7/15

Left Out: -839.629 $\pm$ 1042.007 χ^2 /NDF:20.5/17

Right Out: -115.917 $\pm$ 512.289 χ^2 /NDF: 18.6/18

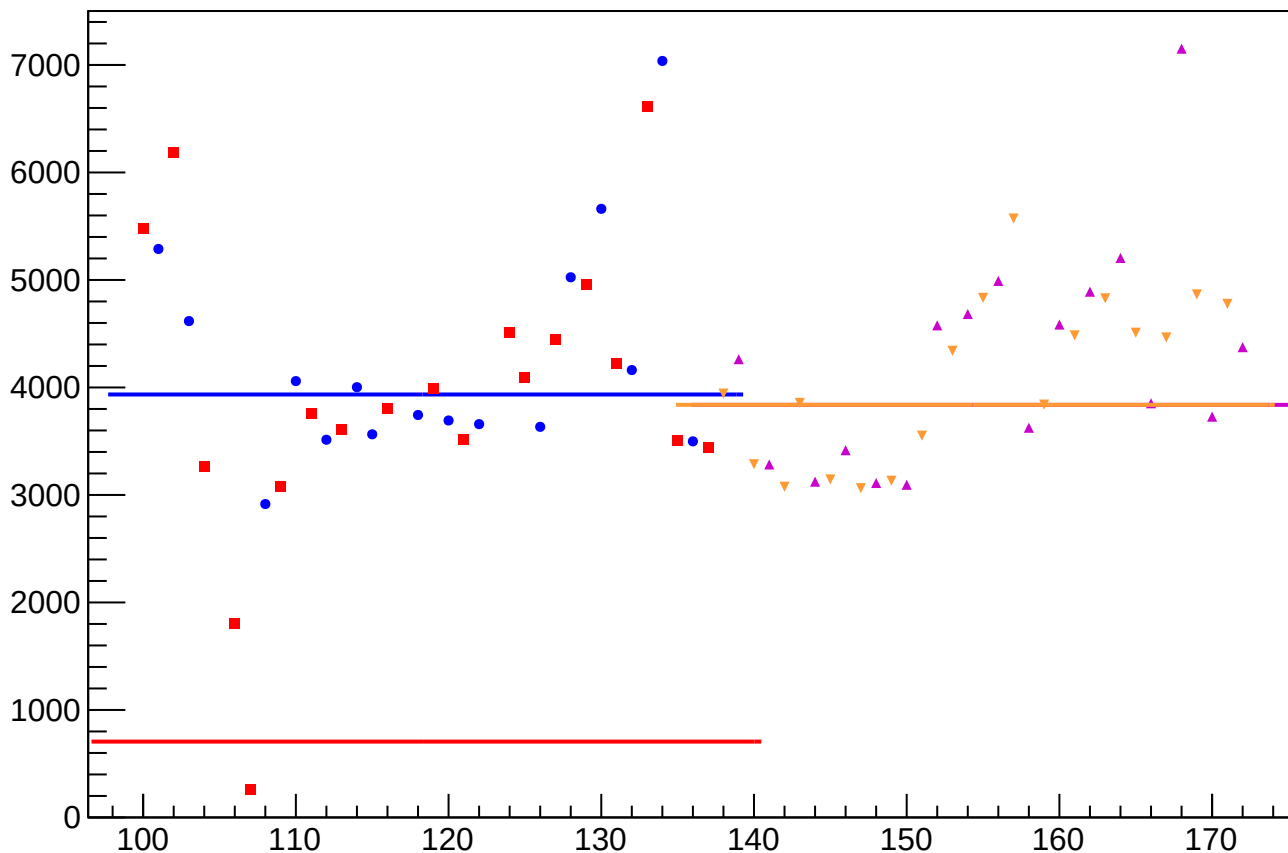
Left In: 543.921 $\pm$ 1049.945 χ^2 /NDF:11.8/16

+ sign -185.003 $\pm$ 856.178 χ^2 /NDF: 35.4/33

All: -32.994 $\pm$ 405.497 χ^2 /NDF: 66.2/69

- sign 10.963 $\pm$ 460.408 χ^2 /NDF: 30.7/35

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

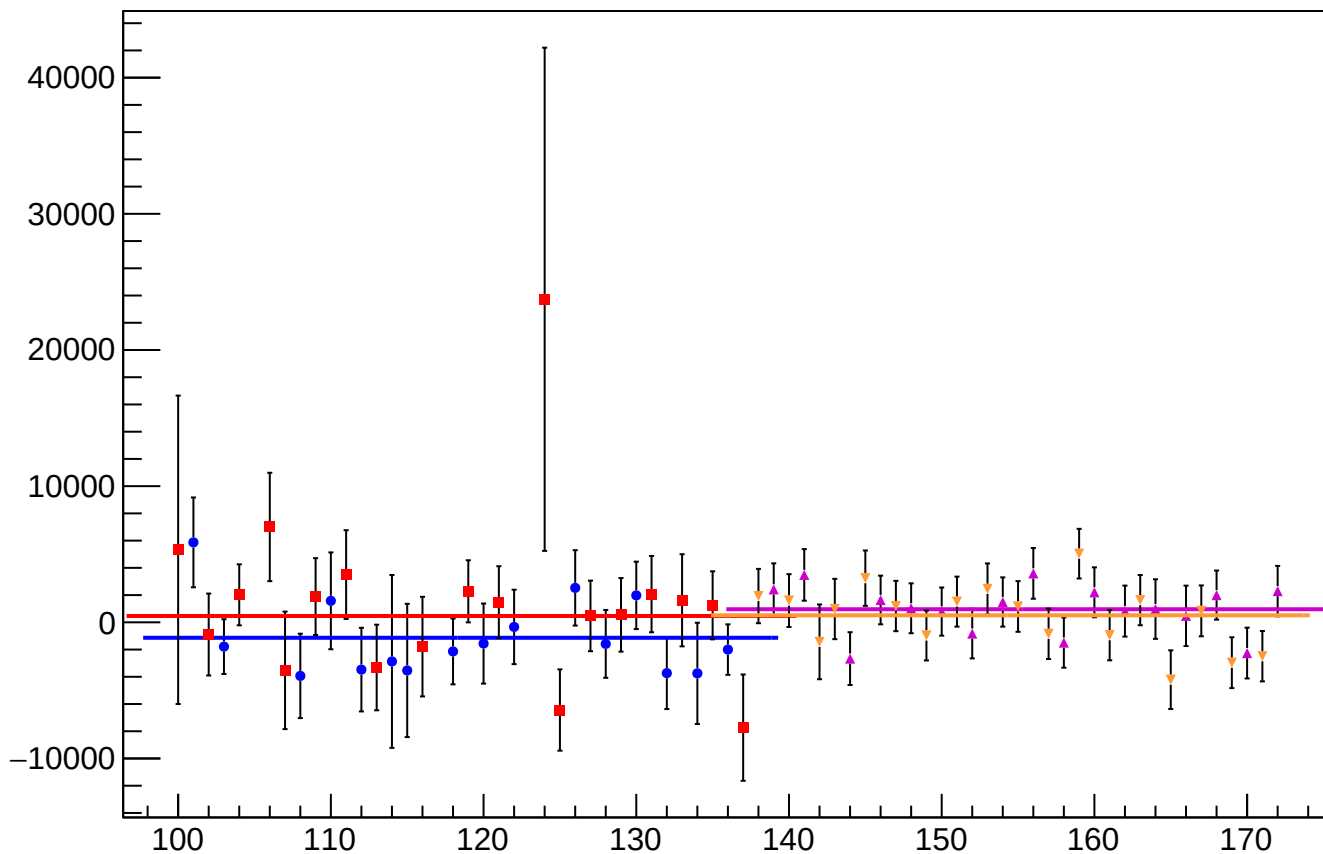
Left In: 3838.008+/-0.742 χ^2/NDF : 1172398.6/16

+ sign 3869.752+/-0.605 χ^2/NDF : 1487408.8/33

All: 1882.580+/-0.287 χ^2/NDF : 41674634.5/6

- sign 1307.942+/-0.326 χ^2/NDF : 26297800.8/35

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

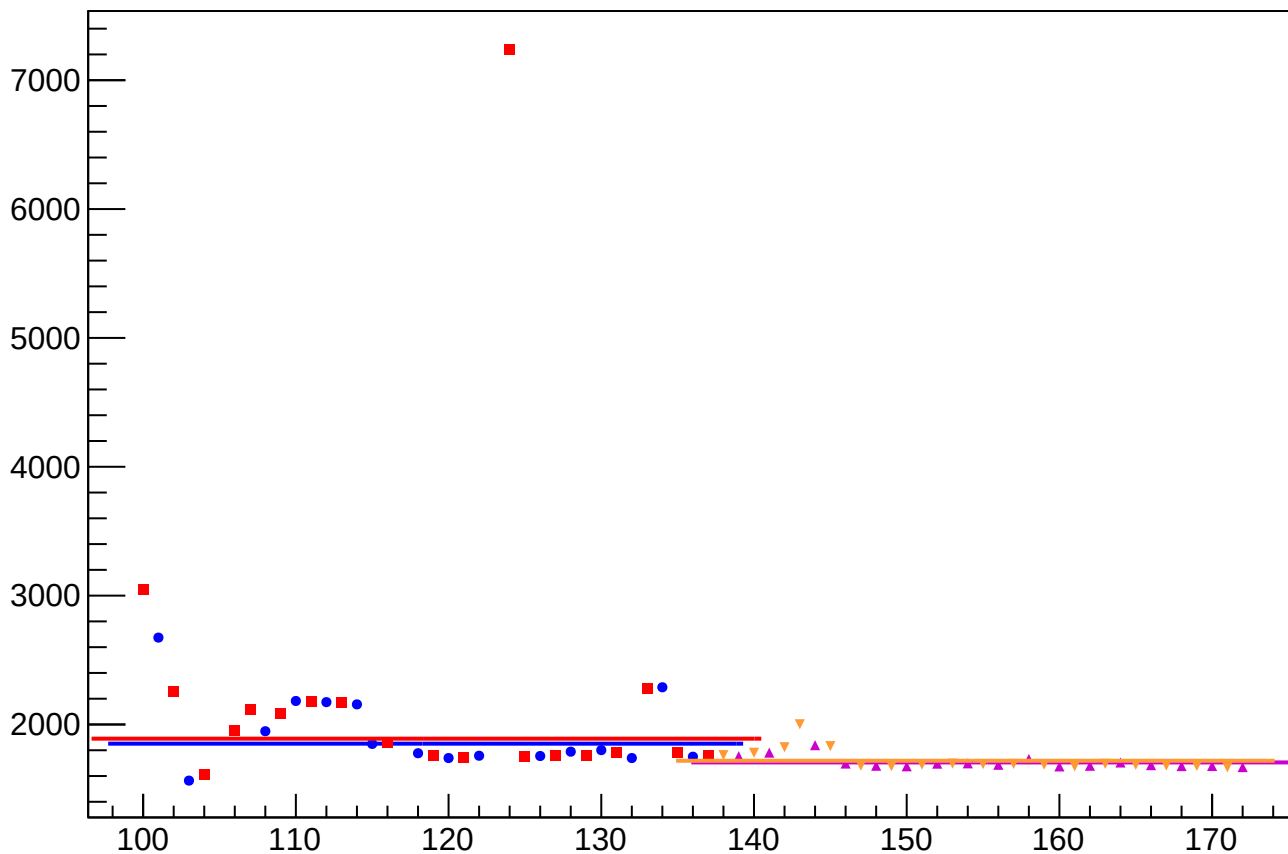
Left In: 961.174 ± 455.392 χ^2/NDF : 15.2/16

+ sign 19.236 ± 380.790 χ^2/NDF : 40.3/33

All: 415.468 ± 269.923 χ^2/NDF : 78.0/69

- sign 815.632 ± 382.675 χ^2/NDF : 35.6/35

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

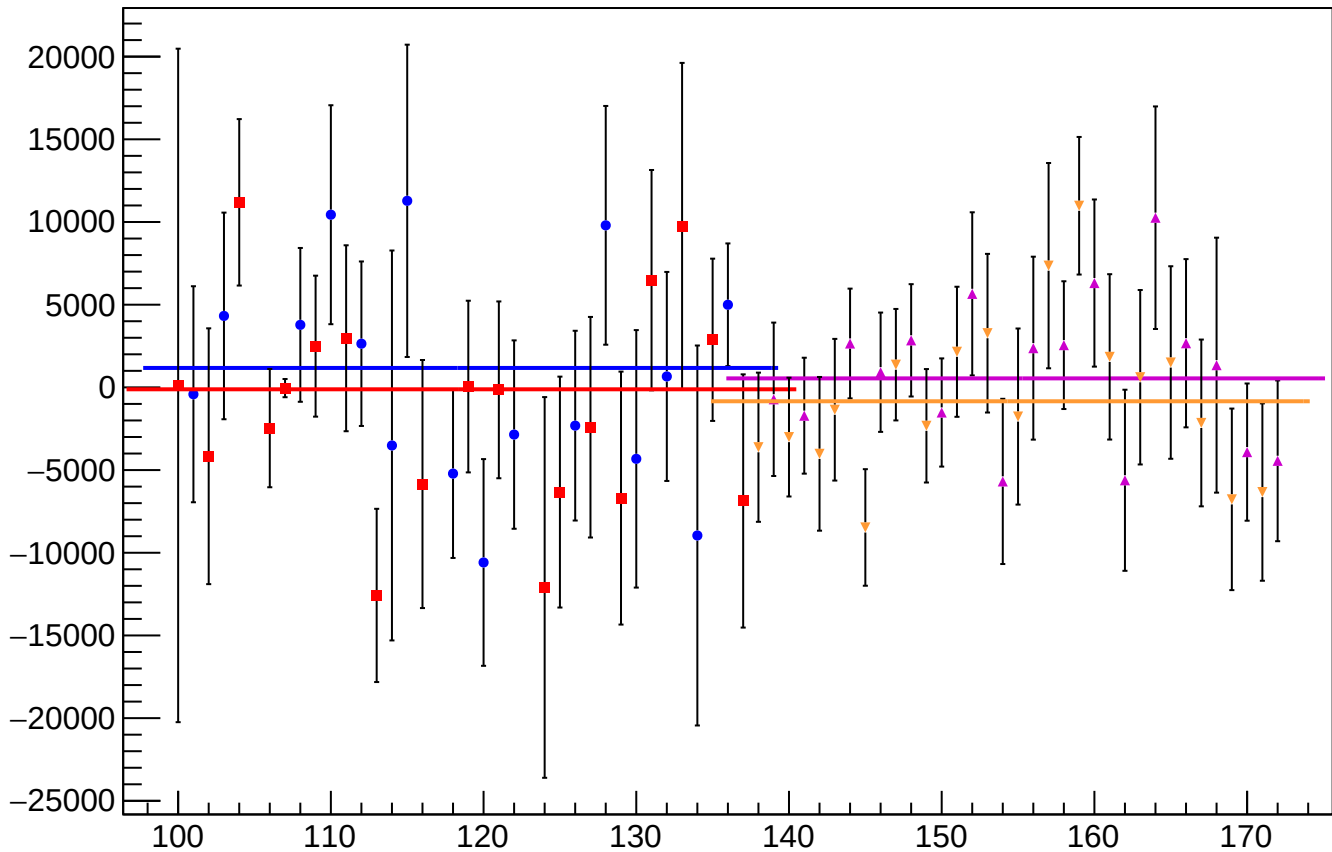
Left In: 1705.499+/-0.322 χ^2 /NDF: 18582.7/16

+ sign 1758.508+/-0.269 χ^2 /NDF: 364875.1/33

All: 1759.188+/-0.191 χ^2 /NDF: 839334.6/69

- sign 1759.873+/-0.270 χ^2 /NDF: 474446.7/35

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 1175.408 $\pm$ 1502.134 χ^2/NDF : 13.7/15

Left Out: -839.629 $\pm$ 1042.007 χ^2/NDF : 20.5/17

Right Out: -115.917 $\pm$ 512.289 χ^2/NDF : 18.6/18

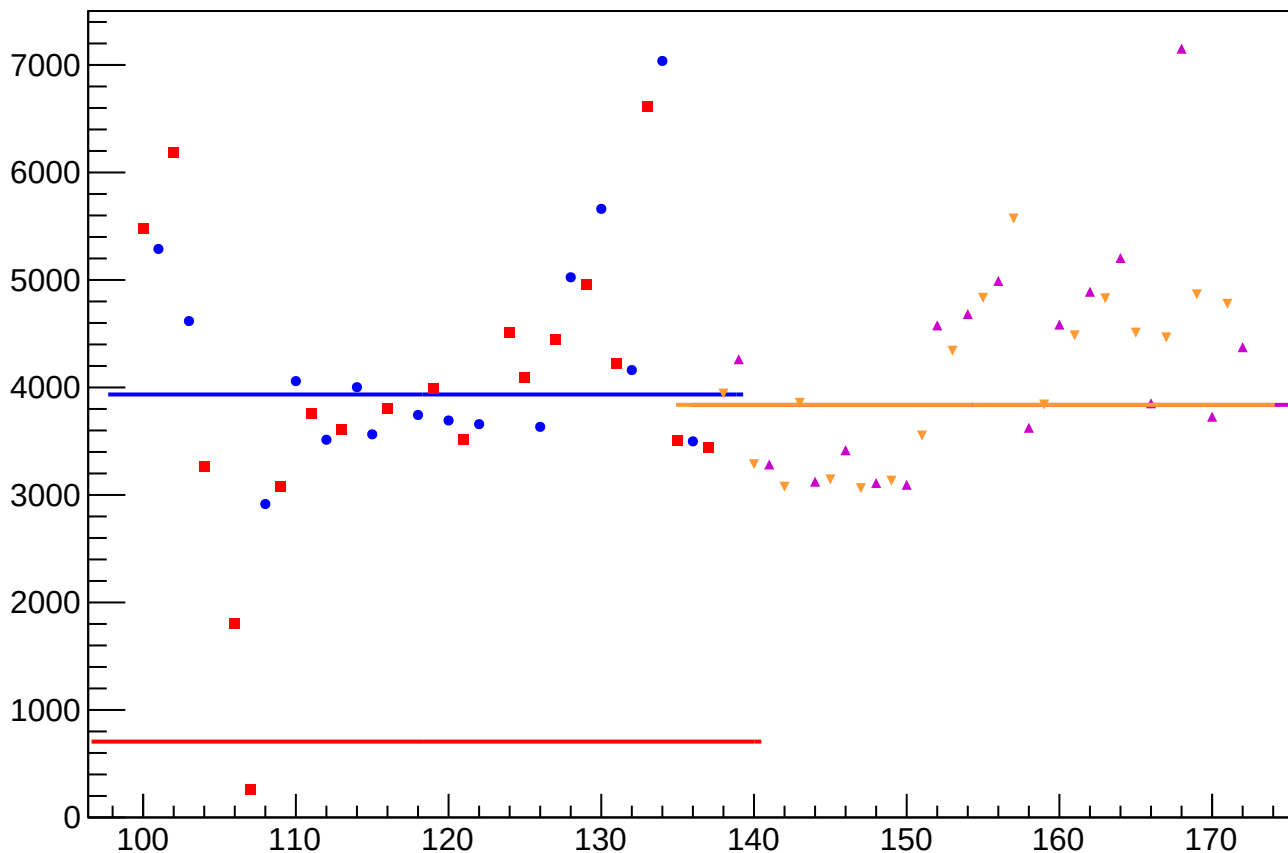
Left In: 543.921 $\pm$ 1049.945 χ^2/NDF : 11.8/16

+ sign -185.003 $\pm$ 856.178 χ^2/NDF : 35.4/33

All: -32.994 $\pm$ 405.497 χ^2/NDF : 66.2/69

- sign 10.963 $\pm$ 460.408 χ^2/NDF : 30.7/35

asym_atl1r2_dd_eigen_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

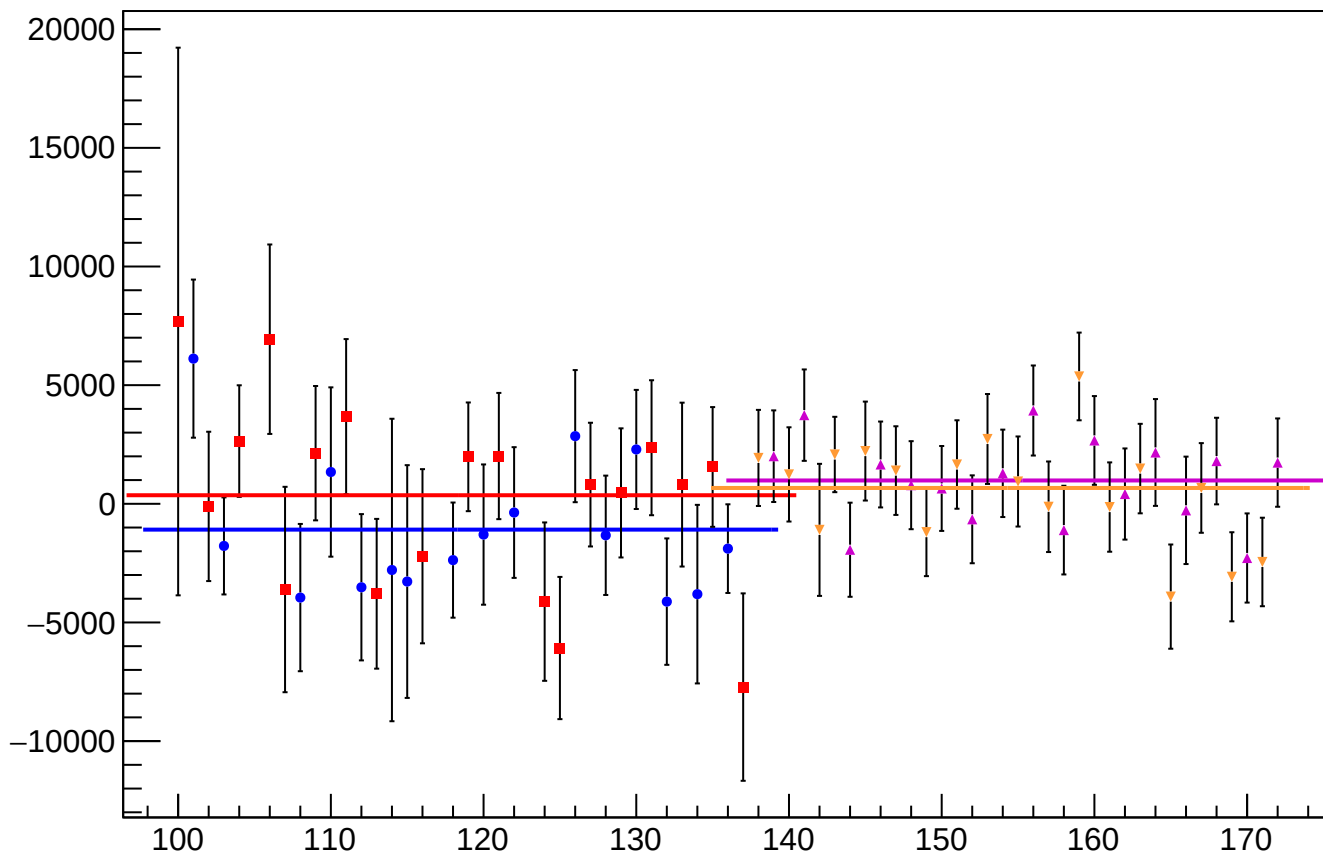
Left In: 3838.008+/-0.742 χ^2/NDF : 1172398.6/16

+ sign 3869.752+/-0.605 χ^2/NDF : 1487408.8/33

All: 1882.580+/-0.287 χ^2/NDF : 41674634.5/6

- sign 1307.942+/-0.326 χ^2/NDF : 26297800.8/35

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

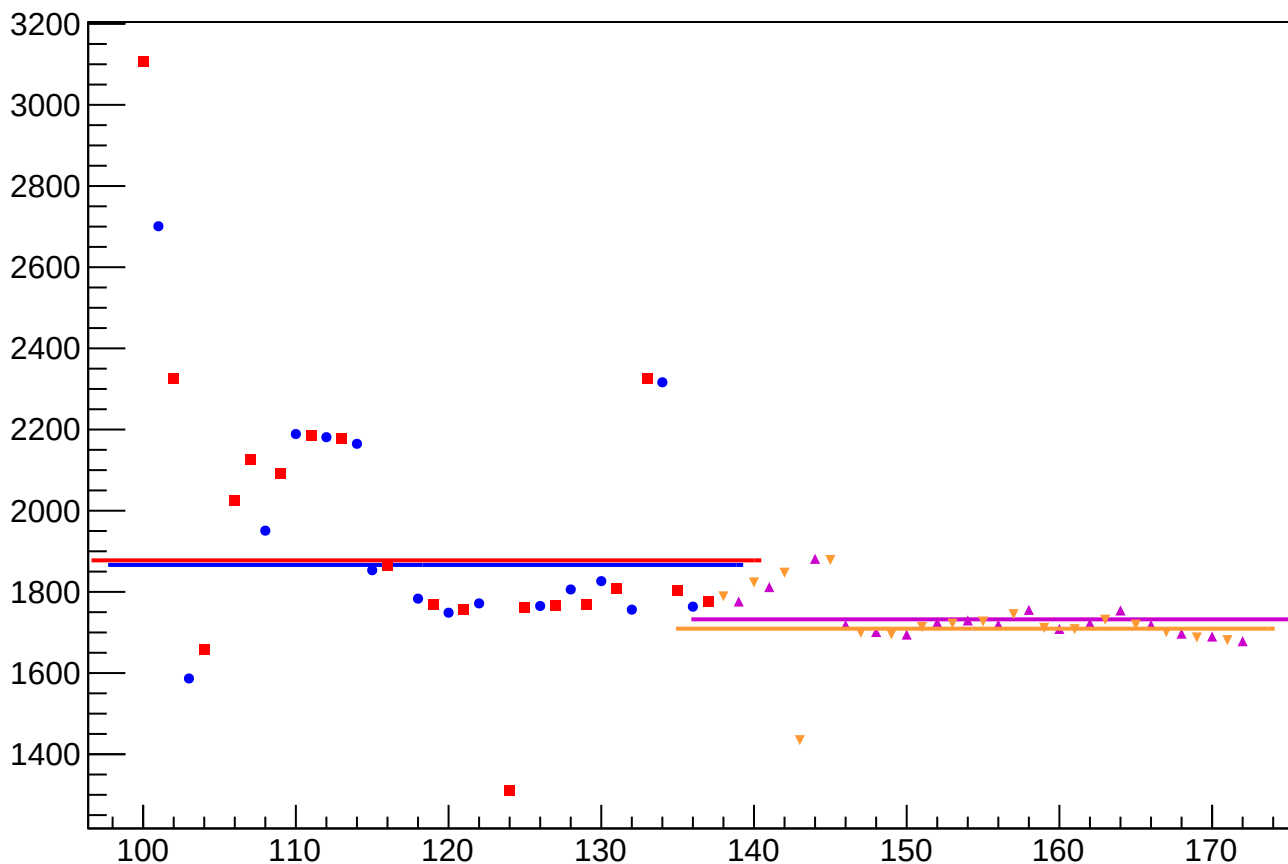
Left In: 983.651 ± 462.600 χ^2/NDF : 14.0/16

+ sign 148.299 ± 380.478 χ^2/NDF : 40.6/33

All: 466.754 ± 270.929 χ^2/NDF : 77.4/69

- sign 794.321 ± 385.882 χ^2/NDF : 35.4/35

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 ± 0.495 $\chi^2/\text{NDF}: 256262.4/15$

Left Out: 1709.355 ± 0.321 $\chi^2/\text{NDF}: 89843.2/17$

Right Out: 1877.659 ± 0.494 $\chi^2/\text{NDF}: 251850.5/18$

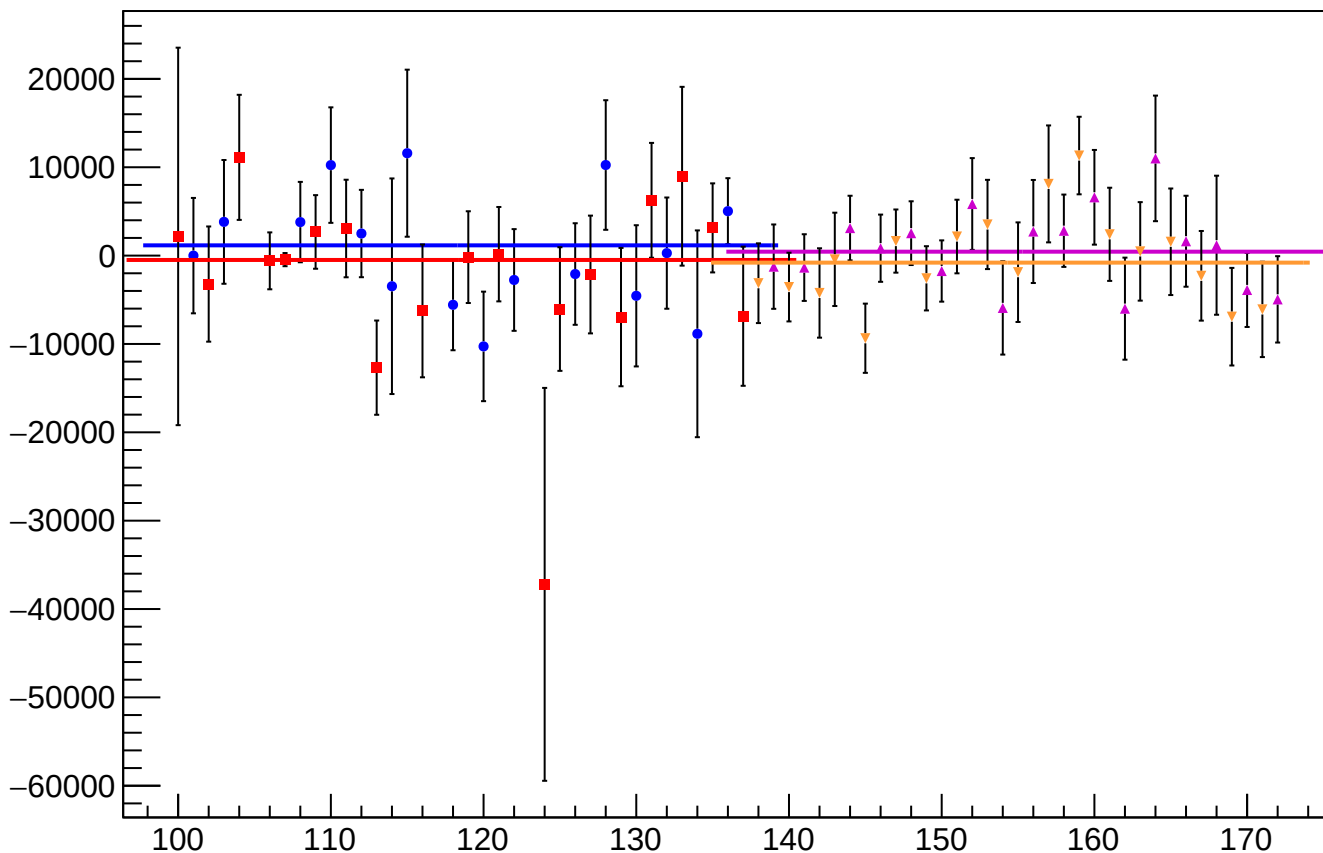
Left In: 1732.356 ± 0.327 $\chi^2/\text{NDF}: 21852.4/16$

+ sign 1755.824 ± 0.269 $\chi^2/\text{NDF}: 417131.3/33$

All: 1766.070 ± 0.192 $\chi^2/\text{NDF}: 753865.3/69$

- sign 1776.605 ± 0.273 $\chi^2/\text{NDF}: 333792.3/35$

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1161.124 $\pm$ 1512.225 χ^2/NDF : 13.7/15

Left Out: -795.031 $\pm$ 1108.380 χ^2/NDF :20.3/17

Right Out: -492.907 $\pm$ 658.510 χ^2/NDF : 16.9/18

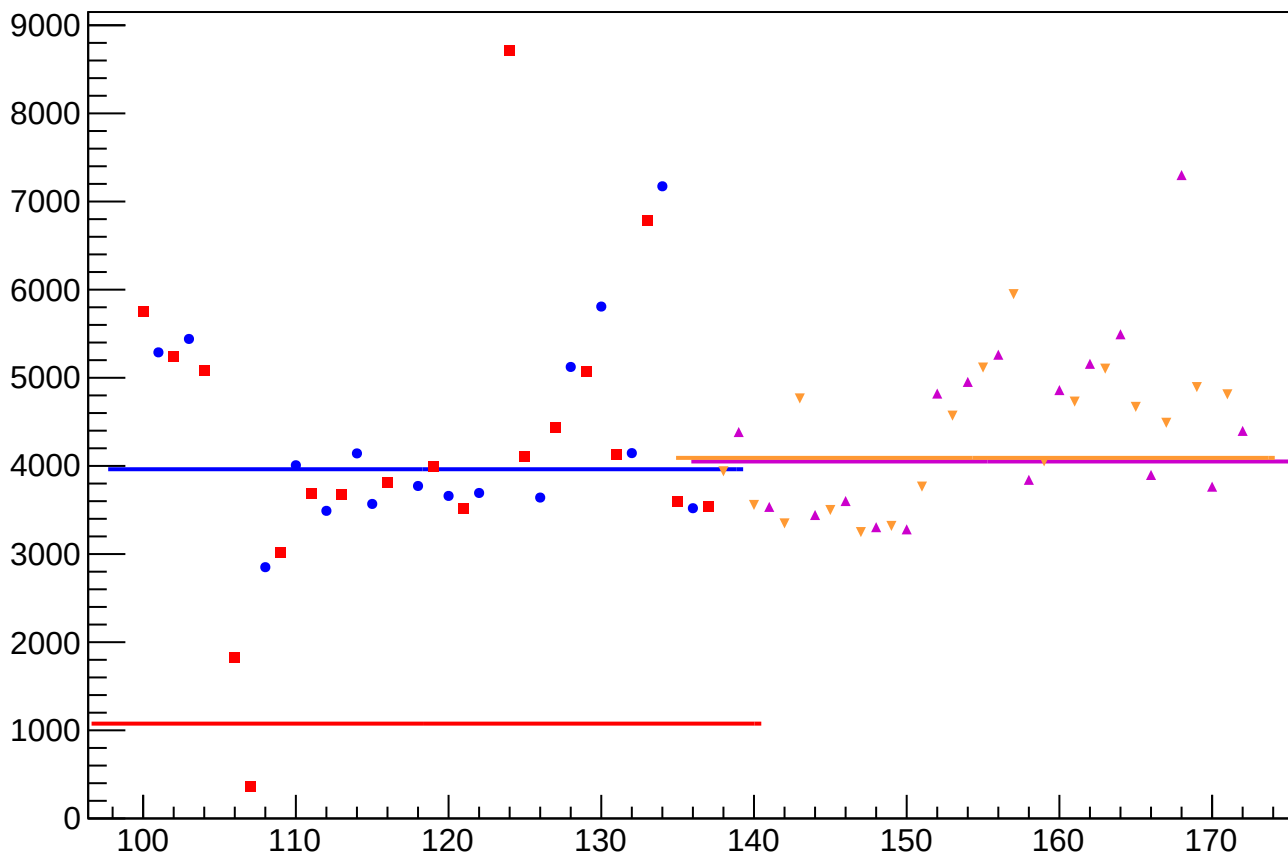
Left In: 443.968 $\pm$ 1106.088 χ^2/NDF :11.8/16

+ sign -111.412 $\pm$ 893.968 χ^2/NDF : 35.0/33

All: -208.745 $\pm$ 478.106 χ^2/NDF : 64.3/69

- sign -247.737 $\pm$ 565.825 χ^2/NDF : 29.2/35

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

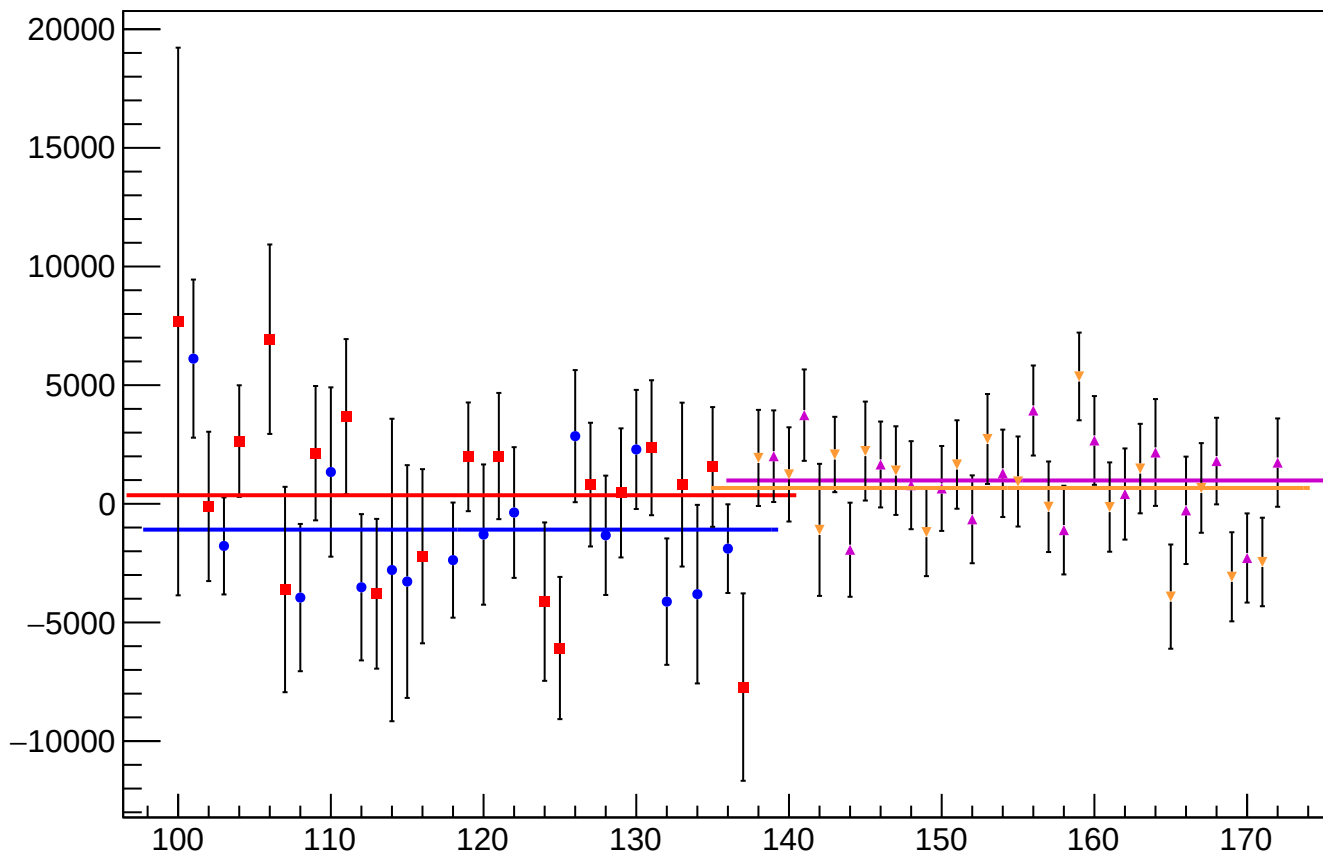
Left In: 4050.307+/-0.782 χ^2/NDF : 1072137.4/16

+ sign 4046.249+/-0.632 χ^2/NDF : 1498620.6/33

All: 2481.260+/-0.338 χ^2/NDF : 31391448.5/6

- sign 1854.311+/-0.400 χ^2/NDF : 21308118.0/35

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

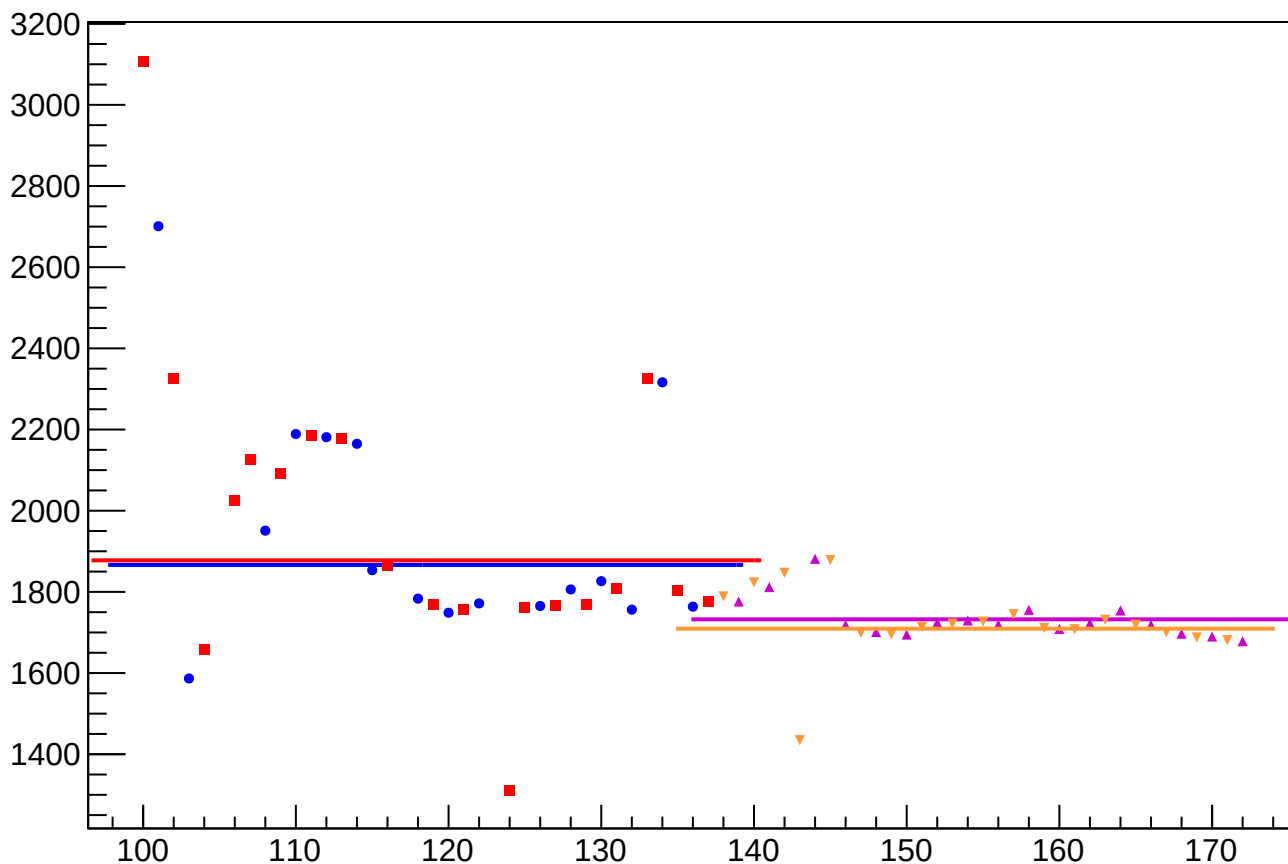
Left In: 983.653 ± 462.600 χ^2/NDF : 14.0/16

+ sign 148.299 ± 380.478 χ^2/NDF : 40.6/33

All: 466.756 ± 270.929 χ^2/NDF : 77.4/69

- sign 794.323 ± 385.882 χ^2/NDF : 35.4/35

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.456 $\pm$ 0.495 χ^2 /NDF: 256262.3/15

Left Out: 1709.356 $\pm$ 0.321 χ^2 /NDF: 89842.4/17

Right Out: 1877.659 $\pm$ 0.494 χ^2 /NDF: 251850.8/18

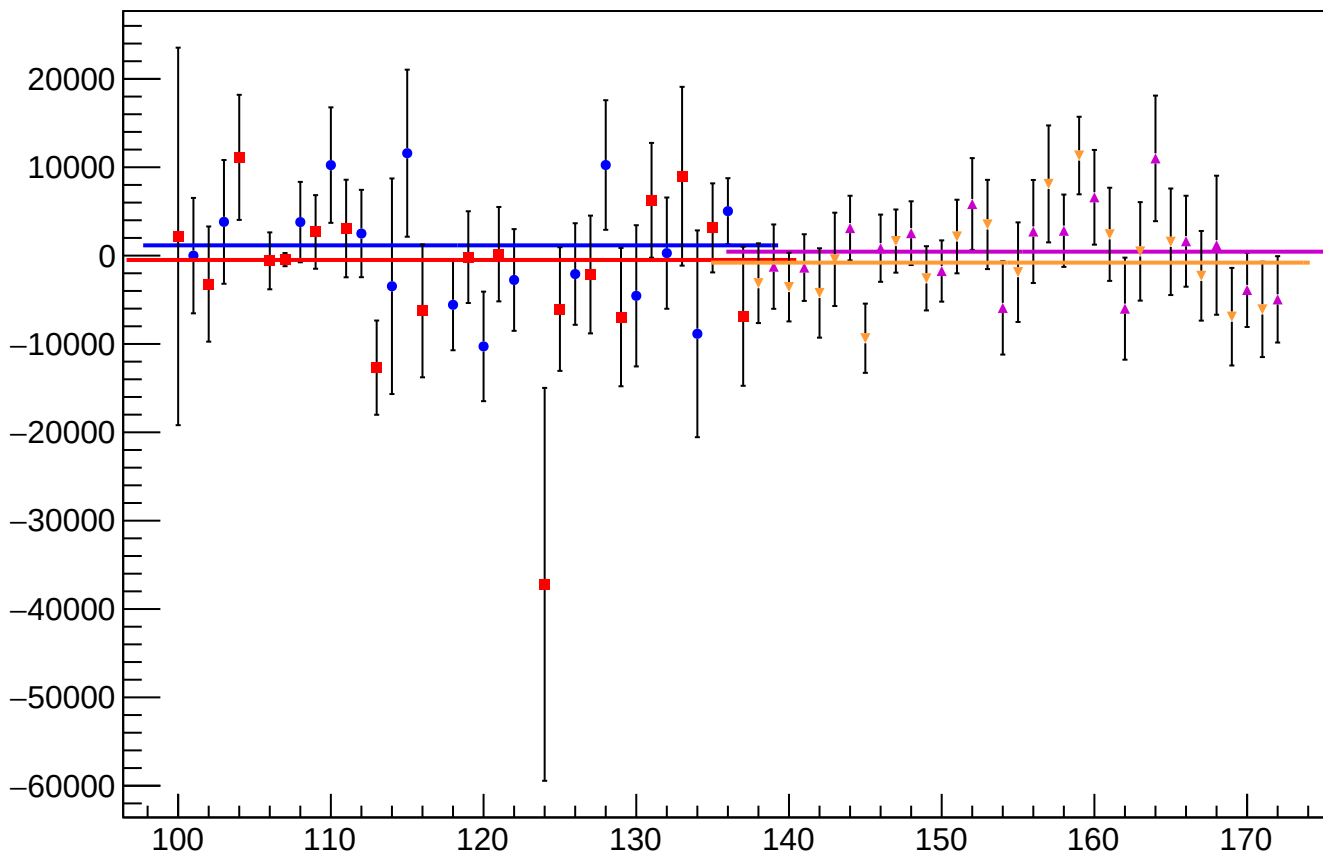
Left In: 1732.356 $\pm$ 0.327 χ^2 /NDF: 21852.3/16

+ sign 1755.824 $\pm$ 0.269 χ^2 /NDF: 417129.5/33

All: 1766.071 $\pm$ 0.192 χ^2 /NDF: 753863.0/69

- sign 1776.605 $\pm$ 0.273 χ^2 /NDF: 333791.8/35

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 1161.104 $\pm$ 1512.222 χ^2 /NDF: 13.7/15

Left Out: -795.031 $\pm$ 1108.381 χ^2 /NDF: 20.3/17

Right Out: -492.914 $\pm$ 658.521 χ^2 /NDF: 16.9/18

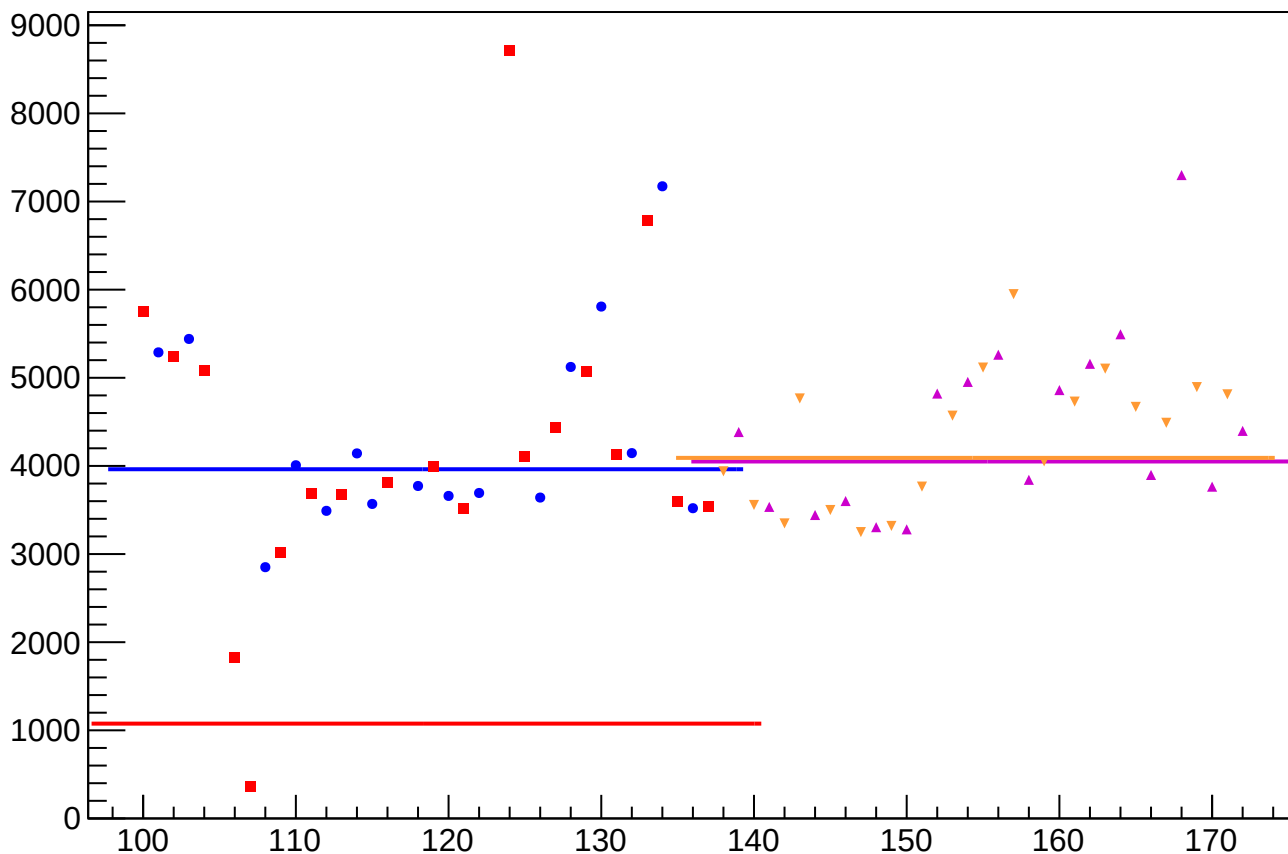
Left In: 443.966 $\pm$ 1106.090 χ^2 /NDF: 11.8/16

+ sign -111.416 $\pm$ 893.968 χ^2 /NDF: 35.0/33

All: -208.746 $\pm$ 478.110 χ^2 /NDF: 64.3/69

- sign -247.738 $\pm$ 565.832 χ^2 /NDF: 29.2/35

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3962.361 $\pm$ 1.069 χ^2/NDF : 668335.9/15

Left Out: 4091.316 $\pm$ 0.784 χ^2/NDF : 820821.5/17

+ sign 4046.250 $\pm$ 0.632 χ^2/NDF : 1498618.4/33

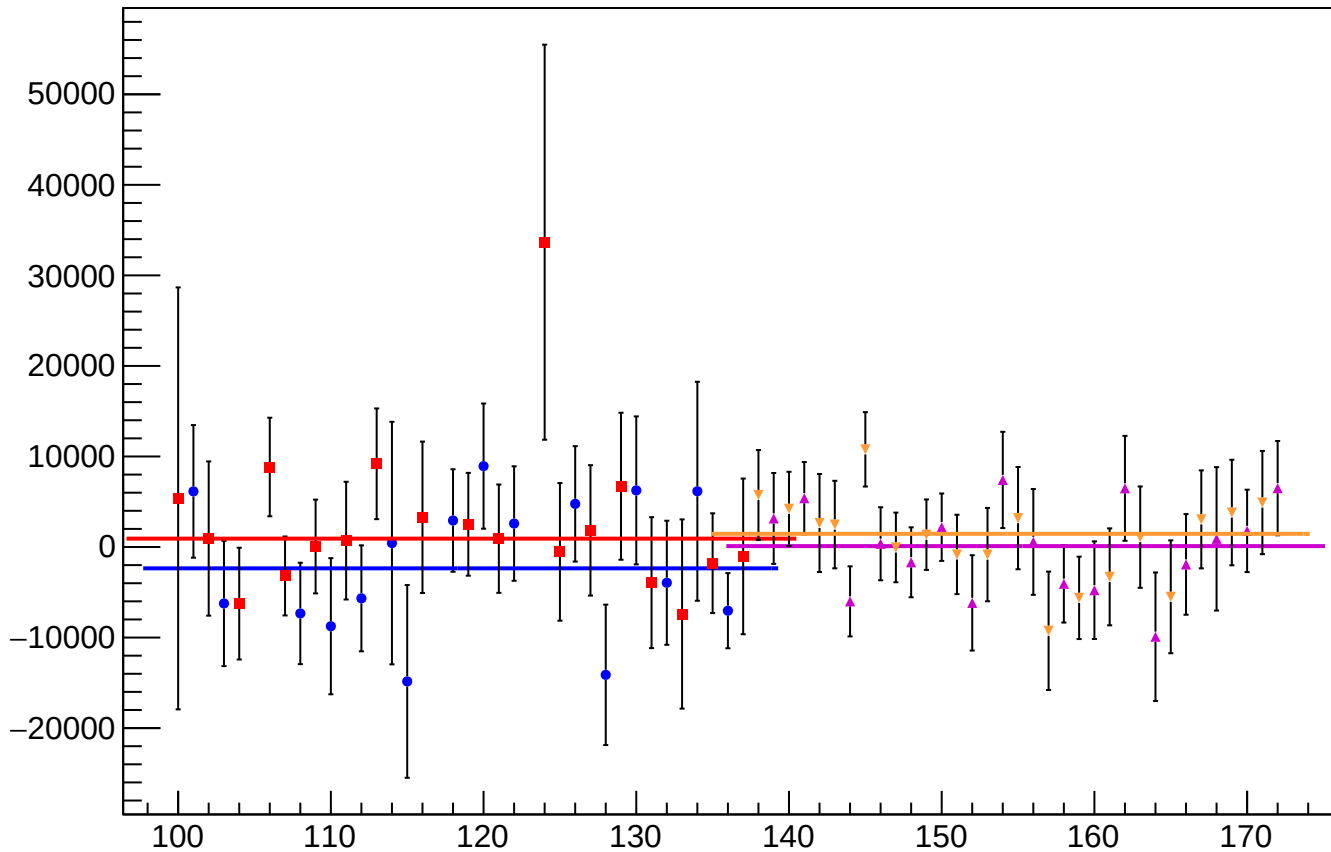
Right Out: 1075.988 $\pm$ 0.466 χ^2/NDF : 9558243.3/18

All: 2481.301 $\pm$ 0.338 χ^2/NDF : 31390643.0/6

- sign 1854.353 $\pm$ 0.400 χ^2/NDF : 21307695.0/35

Left In: 4050.313 $\pm$ 0.782 χ^2/NDF : 1072139.3/16

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

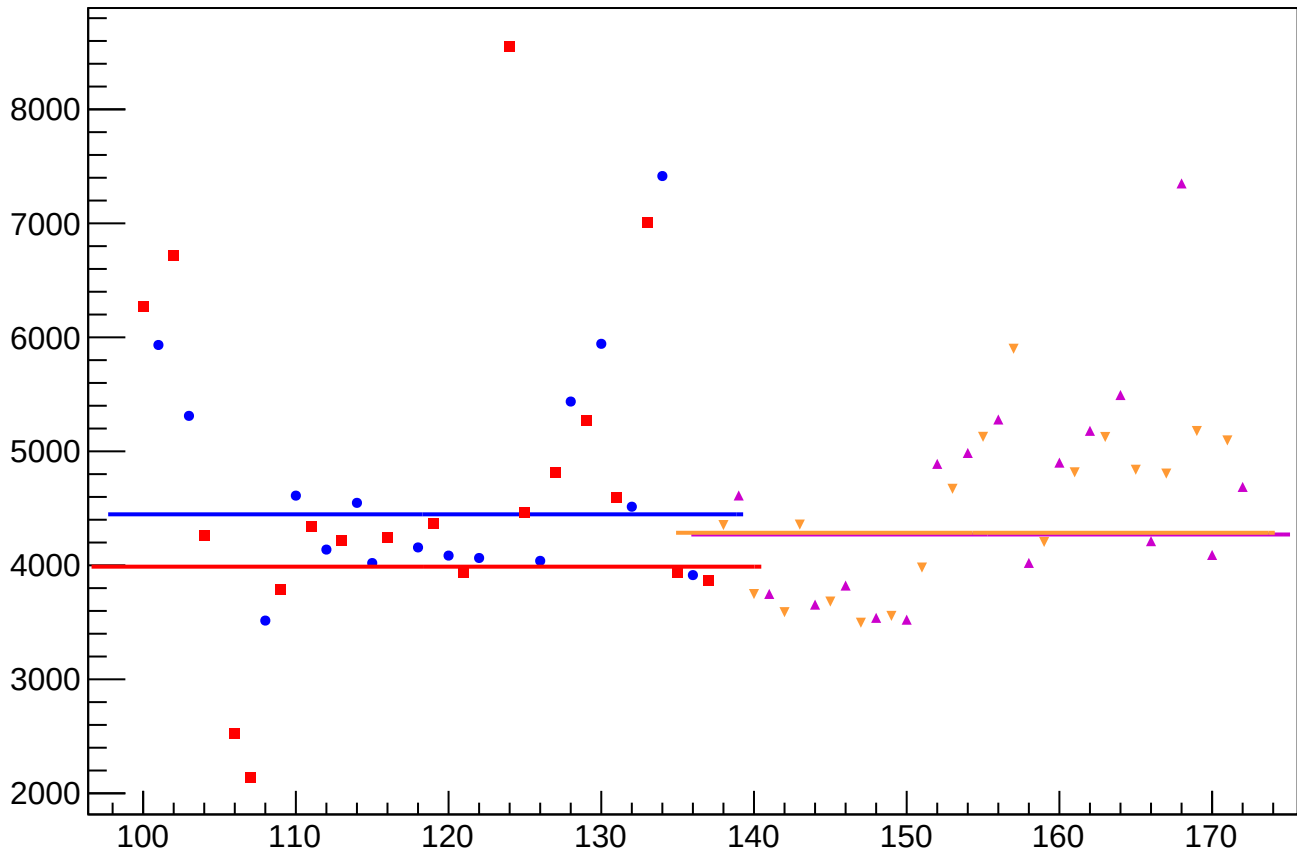
Left In: 99.565 ± 1160.325 χ^2/NDF : 15.2/16

+ sign 238.530 ± 952.530 χ^2/NDF : 34.0/33

All: 319.678 ± 664.777 χ^2/NDF : 60.0/69

- sign 396.736 ± 928.215 χ^2/NDF : 26.0/35

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

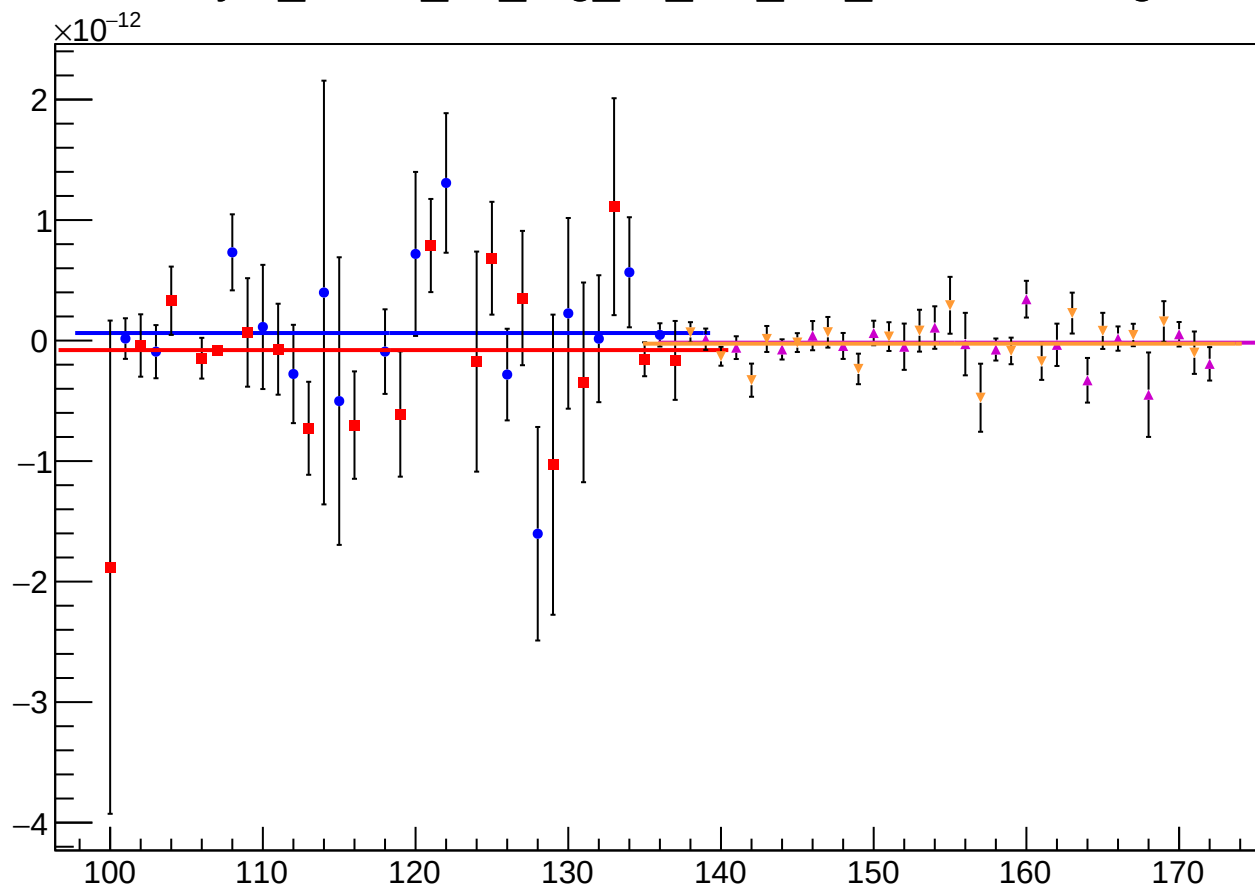
Left In: 4270.504+/-0.820 χ^2 /NDF: 855831.7/16

+ sign 4337.367+/-0.674 χ^2 /NDF: 1110959.7/33

All: 4249.970+/-0.469 χ^2 /NDF: 3186591.5/69

- sign 4167.575+/-0.654 χ^2 /NDF: 2042921.2/35

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

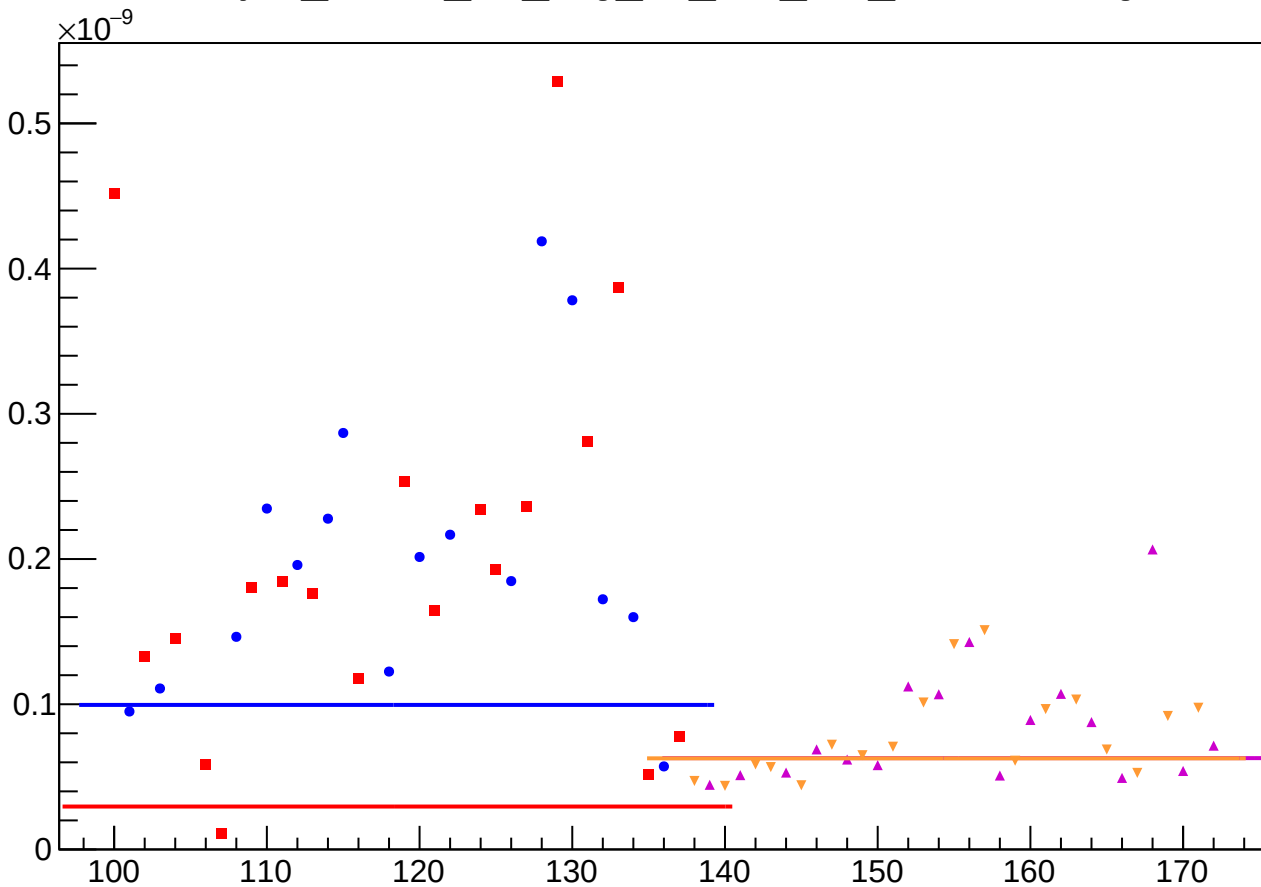
Left In: -0.000 ± 0.000 χ^2/NDF : 14.7/16

+ sign -0.000 ± 0.000 χ^2/NDF : 41.1/33

All: -0.000 ± 0.000 χ^2/NDF : 78.6/69

- sign -0.000 ± 0.000 χ^2/NDF : 36.7/35

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



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

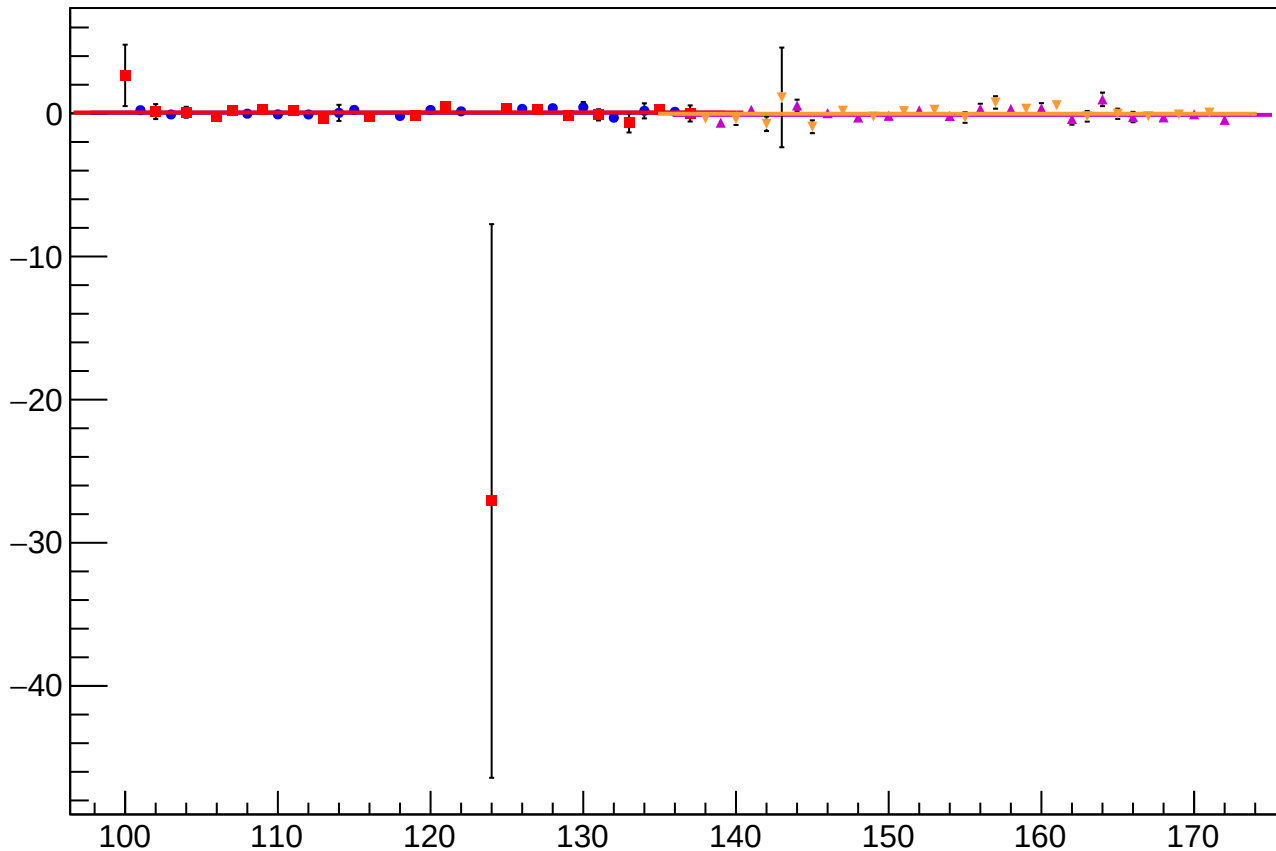
Left In: 0.000+/-0.000 χ^2/NDF :1254127.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 3278935.8/33

All: 0.000+/-0.000 χ^2/NDF : 10703769.7/69

- sign 0.000+/-0.000 χ^2/NDF : 6757999.7/35

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

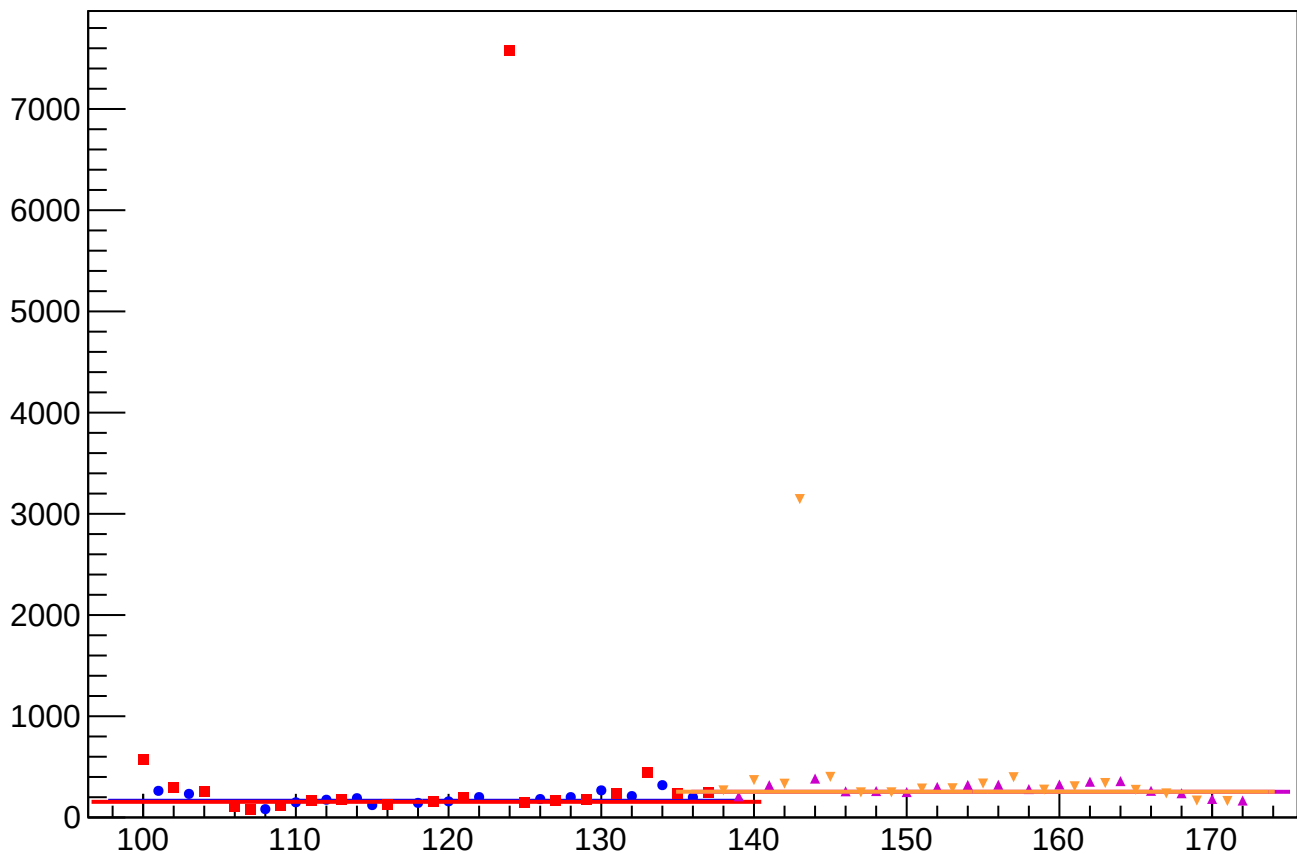
Left In: -0.106 ± 0.071 χ^2/NDF : 25.3/16

+ sign 0.014 ± 0.049 χ^2/NDF : 27.7/33

All: -0.001 ± 0.034 χ^2/NDF : 74.5/69

- sign -0.014 ± 0.048 χ^2/NDF : 46.7/35

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474718.1/15

Left Out: 254.346 $\pm$ 0.051 χ^2 /NDF: 3247057.9/17

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

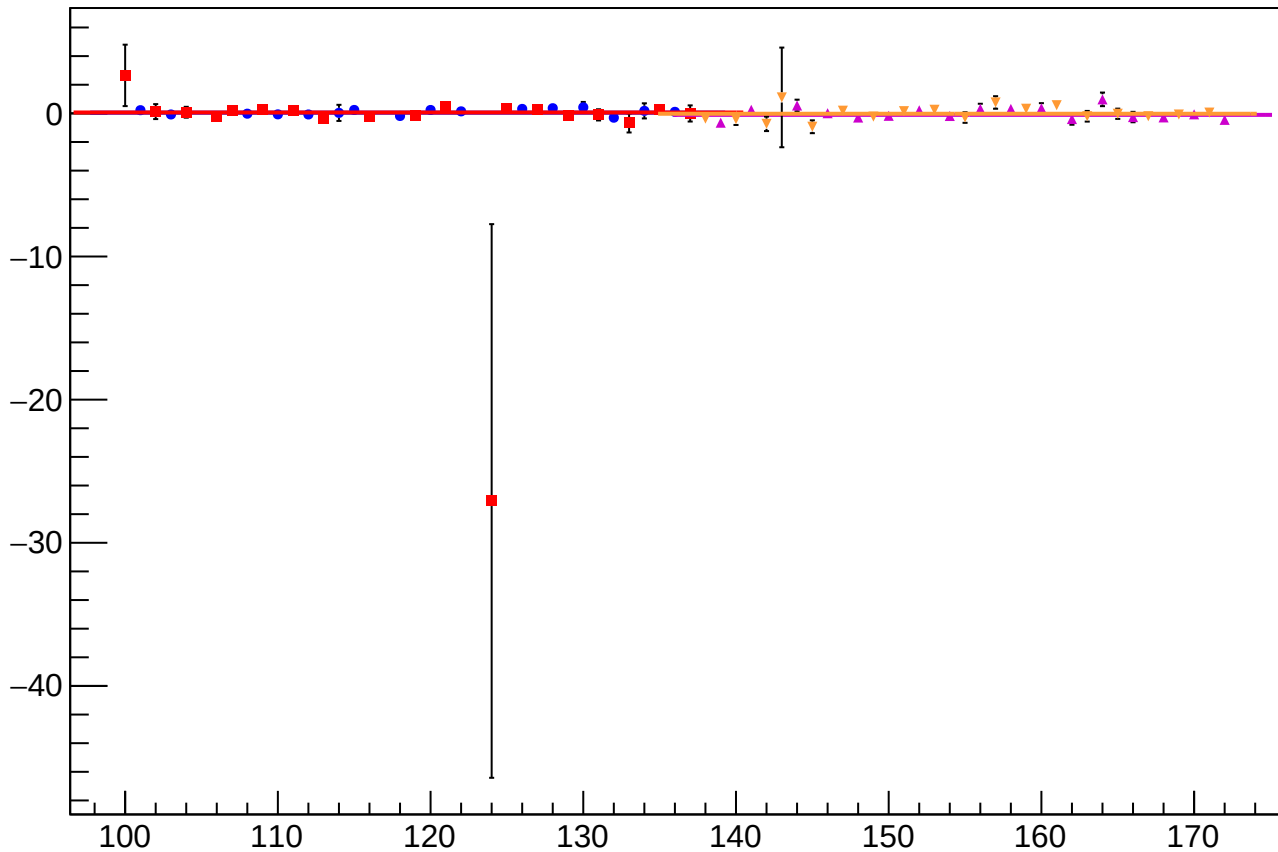
Left In: 253.539 $\pm$ 0.050 χ^2 /NDF: 1527284.3/16

+ sign 205.717 $\pm$ 0.035 χ^2 /NDF: 6379820.4/33

All: 202.495 $\pm$ 0.024 χ^2 /NDF: 11999780.6/69

- sign 199.453 $\pm$ 0.034 χ^2 /NDF: 5603116.5/35

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

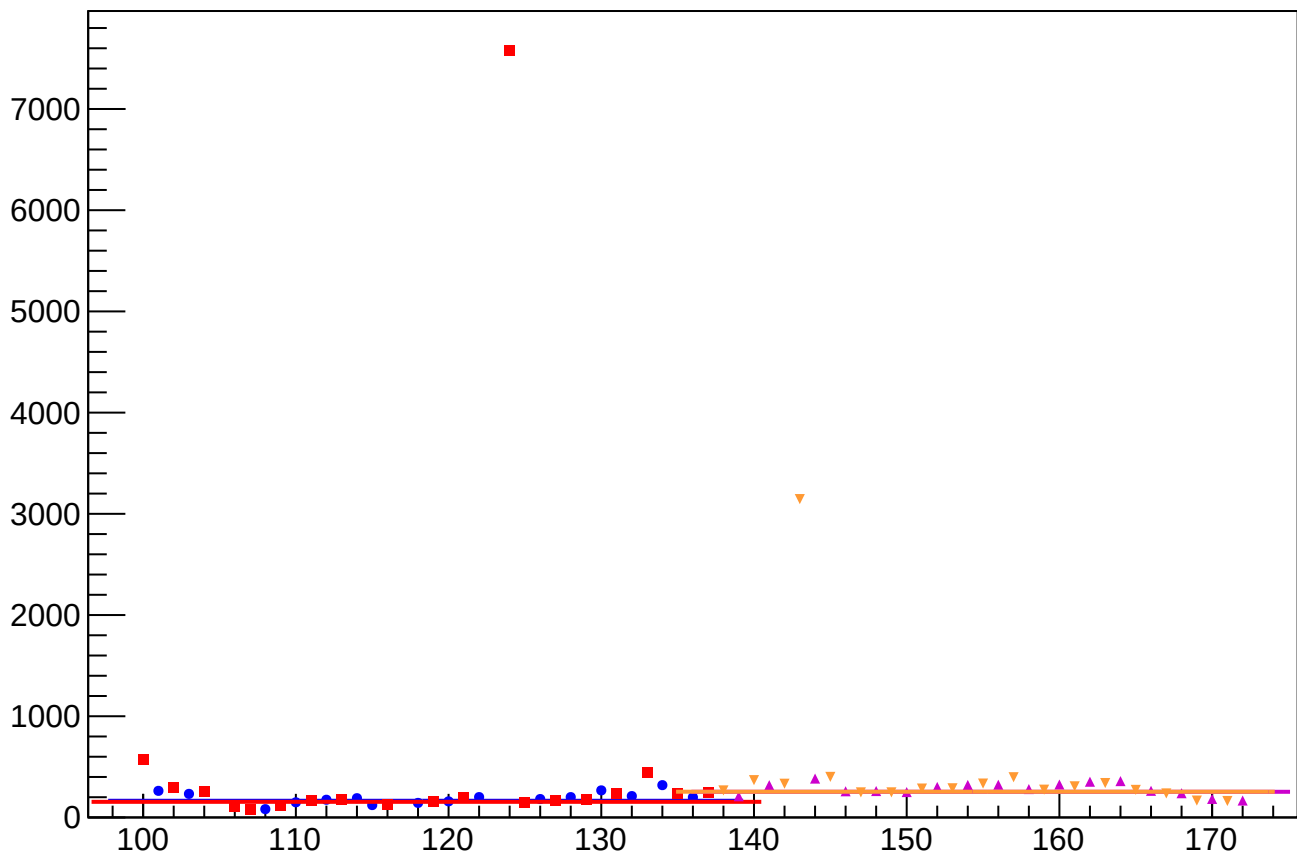
Left In: -0.106 ± 0.071 χ^2/NDF : 25.3/16

+ sign 0.014 ± 0.049 χ^2/NDF : 27.7/33

All: -0.001 ± 0.034 χ^2/NDF : 74.5/69

- sign -0.014 ± 0.048 χ^2/NDF : 46.7/35

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474718.1/15

Left Out: 254.346 $\pm$ 0.051 χ^2 /NDF:3247057.9/17

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921322.6/18

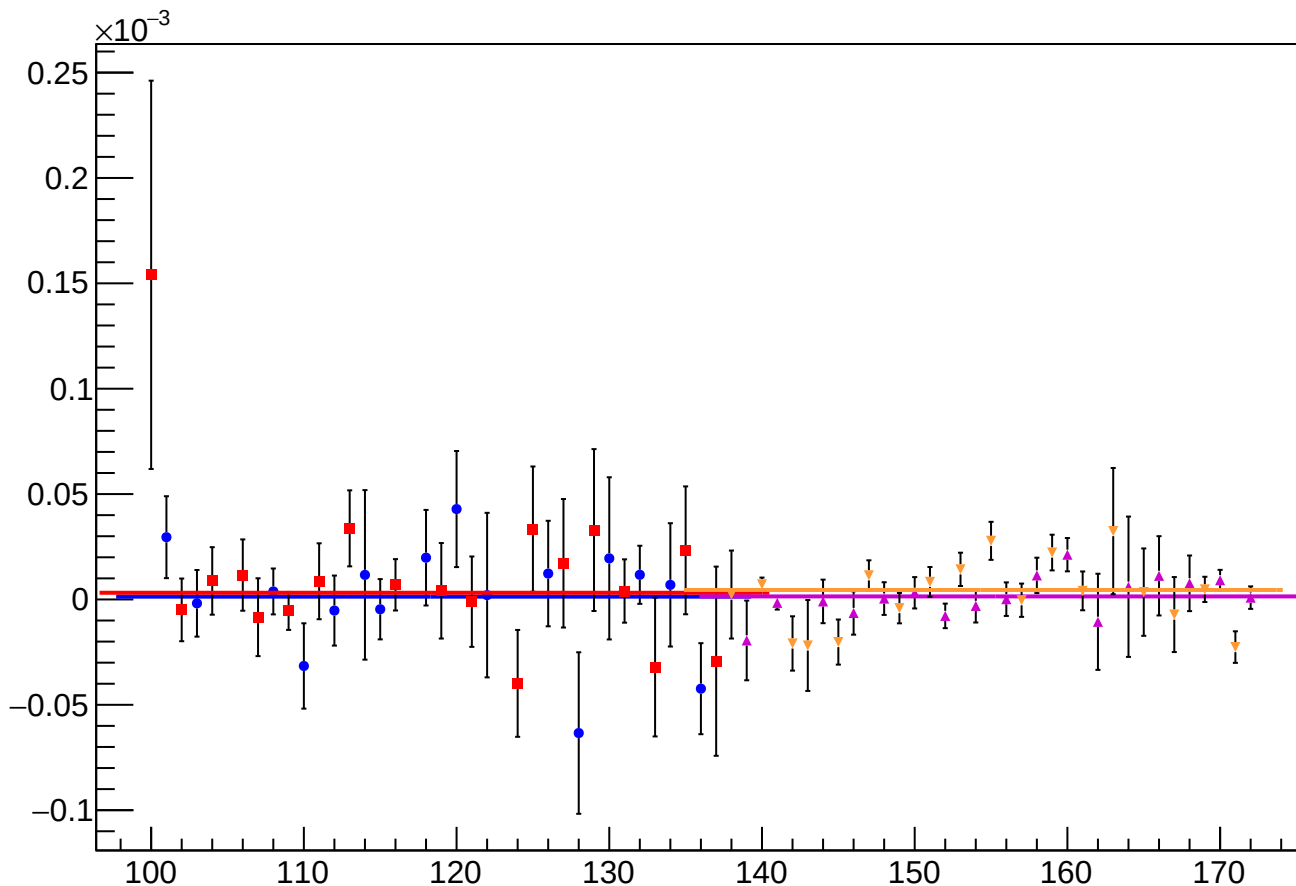
Left In: 253.539 $\pm$ 0.050 χ^2 /NDF:1527284.3/16

+ sign 205.717 $\pm$ 0.035 χ^2 /NDF: 6379820.4/33

All: 202.495 $\pm$ 0.024 χ^2 /NDF: 11999780.6/69

- sign 199.453 $\pm$ 0.034 χ^2 /NDF: 5603116.5/35

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:41.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

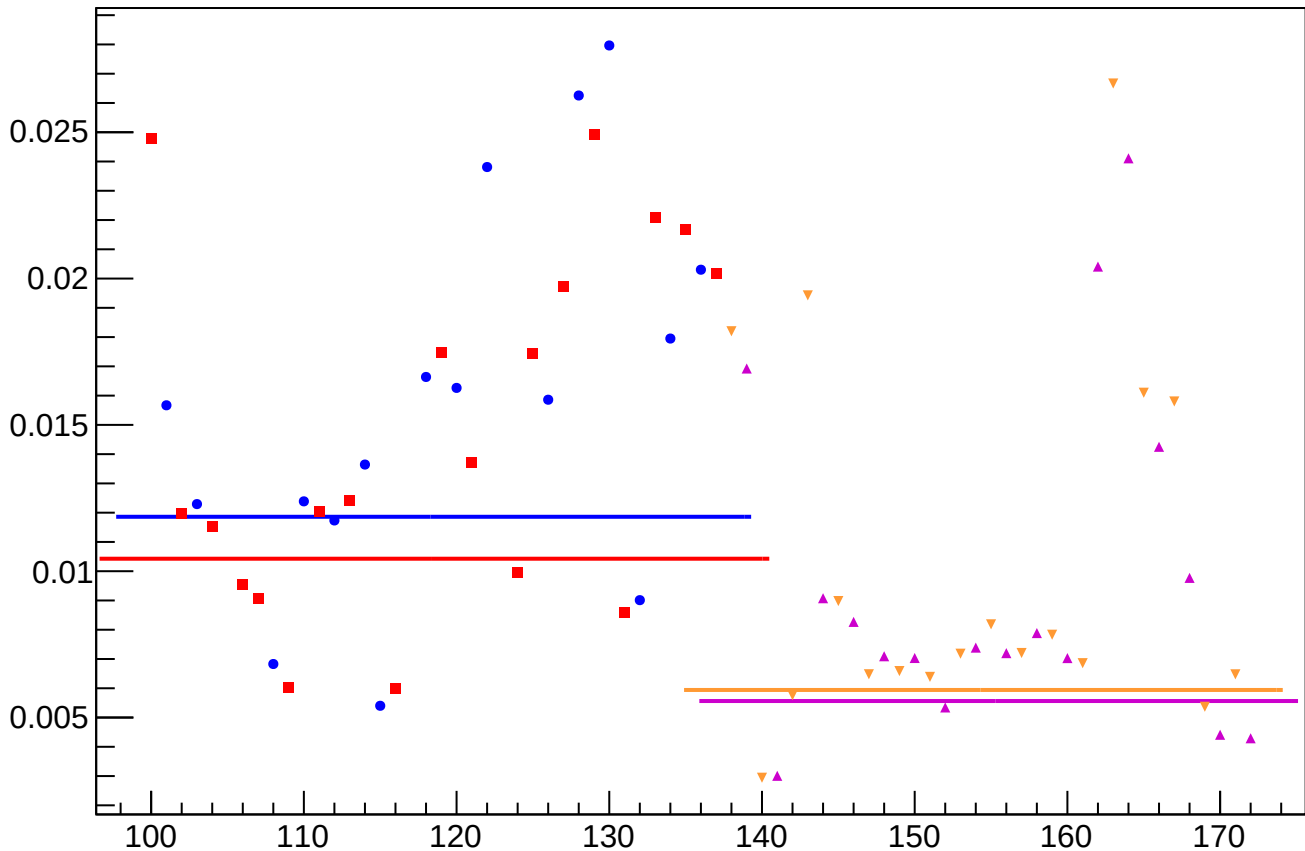
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.0/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 90.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/35

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2407192.9/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 5835511.8/17

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2355101.8/18

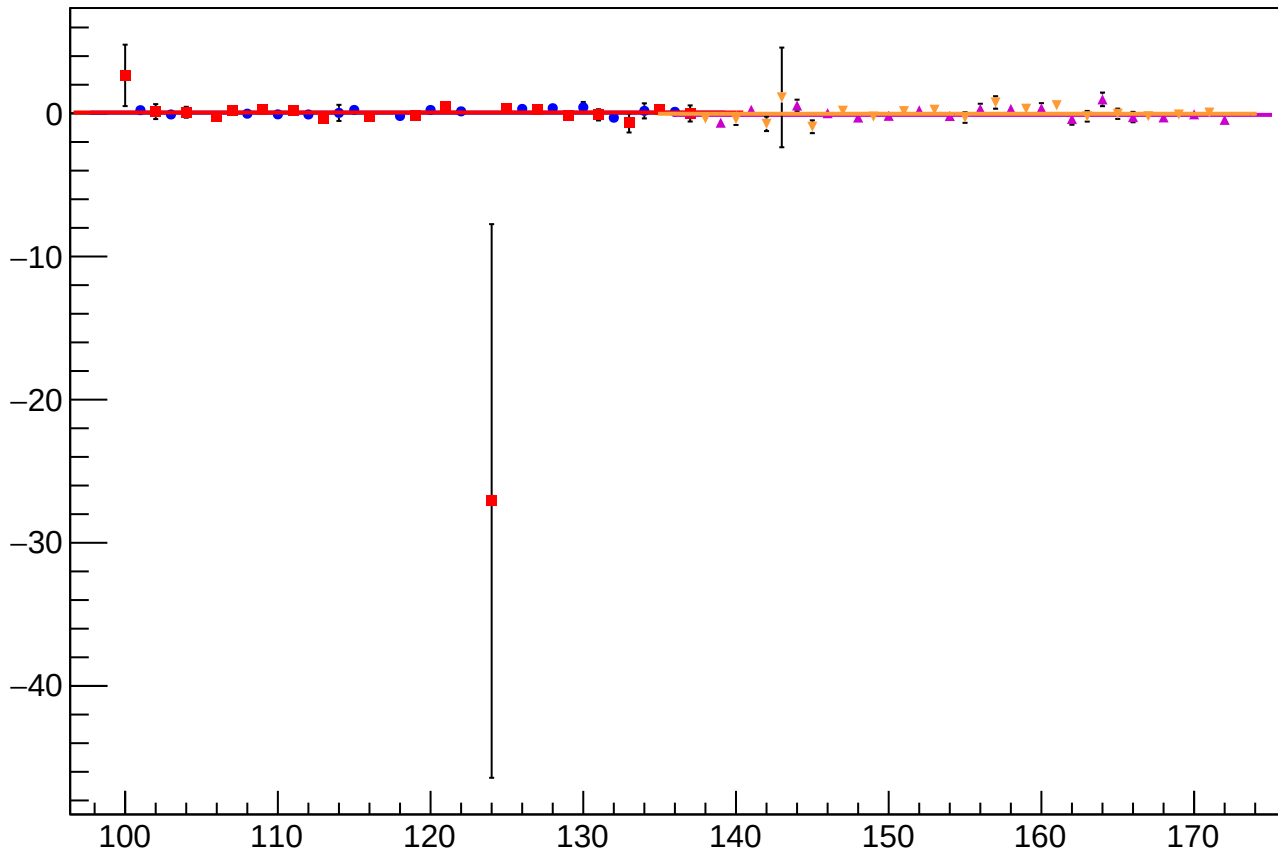
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 5256268.5/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 10826120.2/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 20756511.6/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 9867923.9/35

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

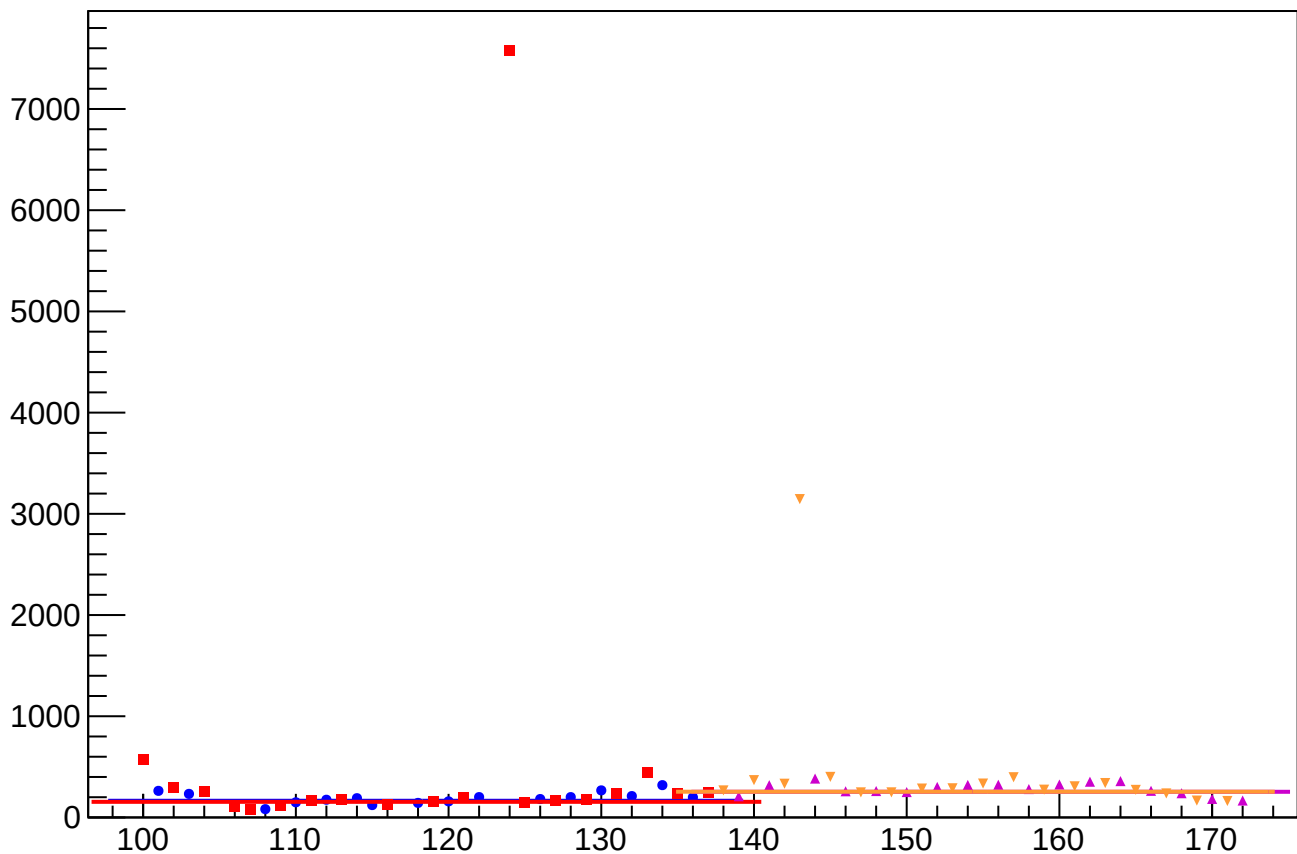
Left In: -0.106 ± 0.071 χ^2/NDF : 25.3/16

+ sign 0.014 ± 0.049 χ^2/NDF : 27.7/33

All: -0.001 ± 0.034 χ^2/NDF : 74.5/69

- sign -0.014 ± 0.048 χ^2/NDF : 46.7/35

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474692.6/15

Left Out: 254.347 $\pm$ 0.051 χ^2 /NDF: 3247174.3/17

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

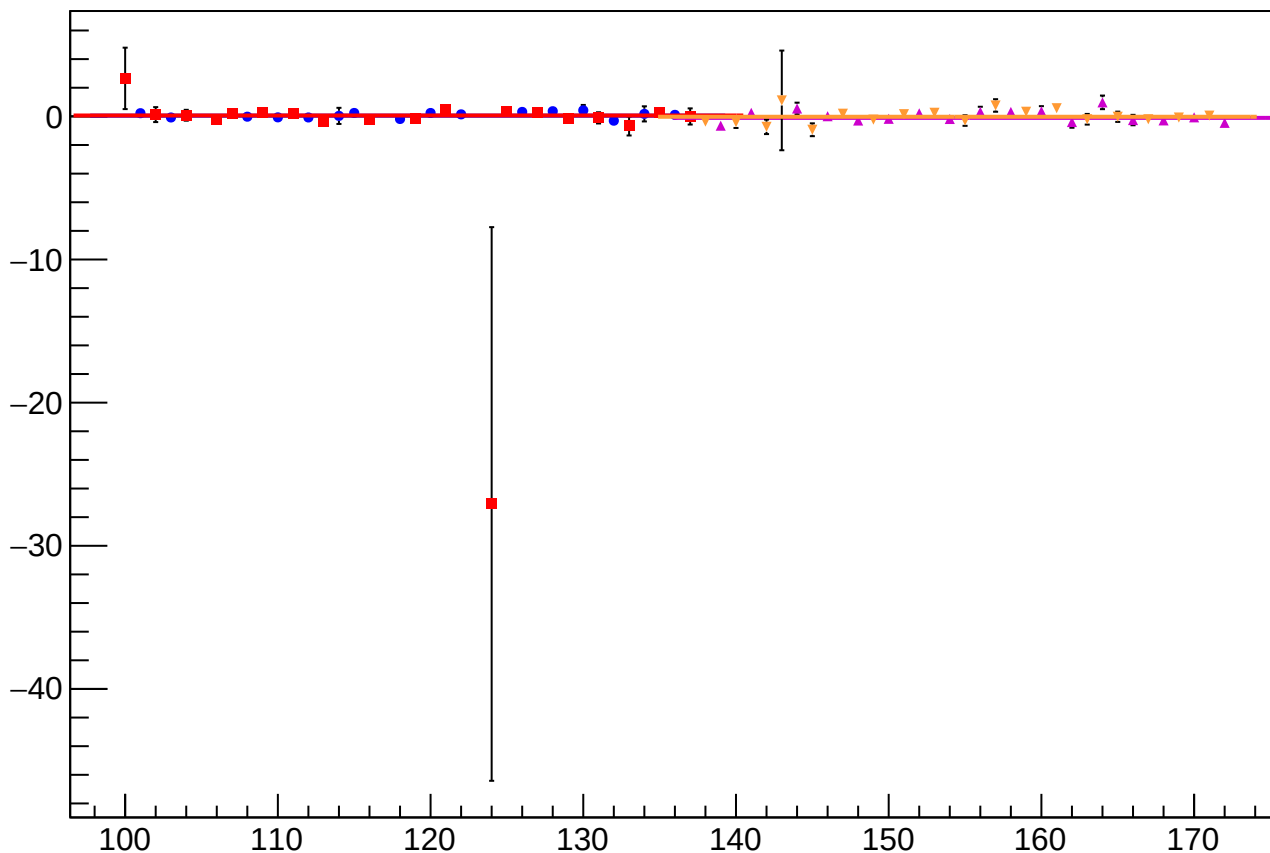
Left In: 253.541 $\pm$ 0.050 χ^2 /NDF: 1527318.7/16

+ sign 205.717 $\pm$ 0.035 χ^2 /NDF: 6379959.0/33

All: 202.495 $\pm$ 0.024 χ^2 /NDF: 12000086.8/69

- sign 199.453 $\pm$ 0.034 χ^2 /NDF: 5603286.7/35

asym_atl1r2_dd_eigen_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

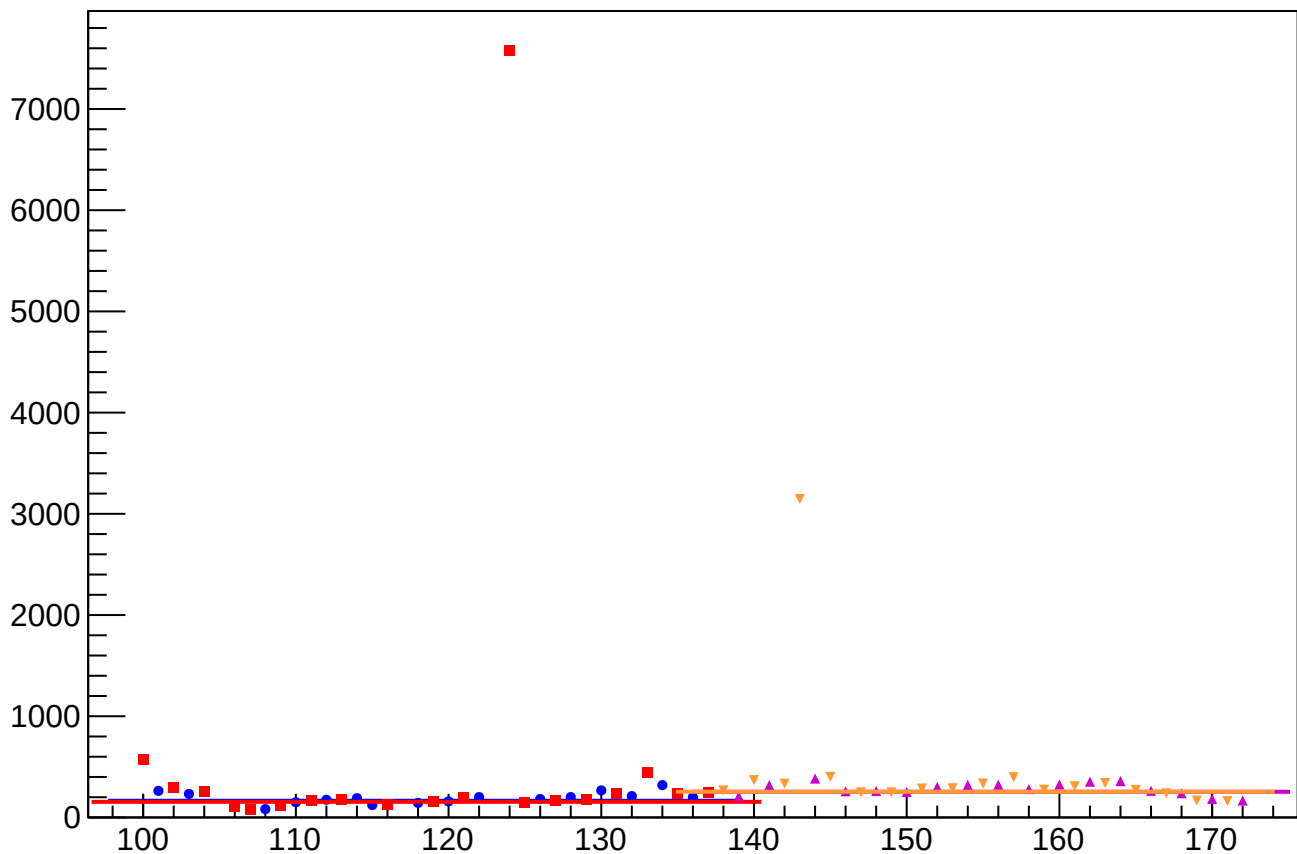
Left In: -0.106 ± 0.071 χ^2/NDF : 25.3/16

+ sign 0.014 ± 0.049 χ^2/NDF : 27.7/33

All: -0.001 ± 0.034 χ^2/NDF : 74.5/69

- sign -0.014 ± 0.048 χ^2/NDF : 46.7/35

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.862 $\pm$ 0.047 χ^2 /NDF: 1474692.6/15

Left Out: 254.347 $\pm$ 0.051 χ^2 /NDF:3247174.3/17

Right Out: 154.388 $\pm$ 0.046 χ^2 /NDF: 1921346.3/18

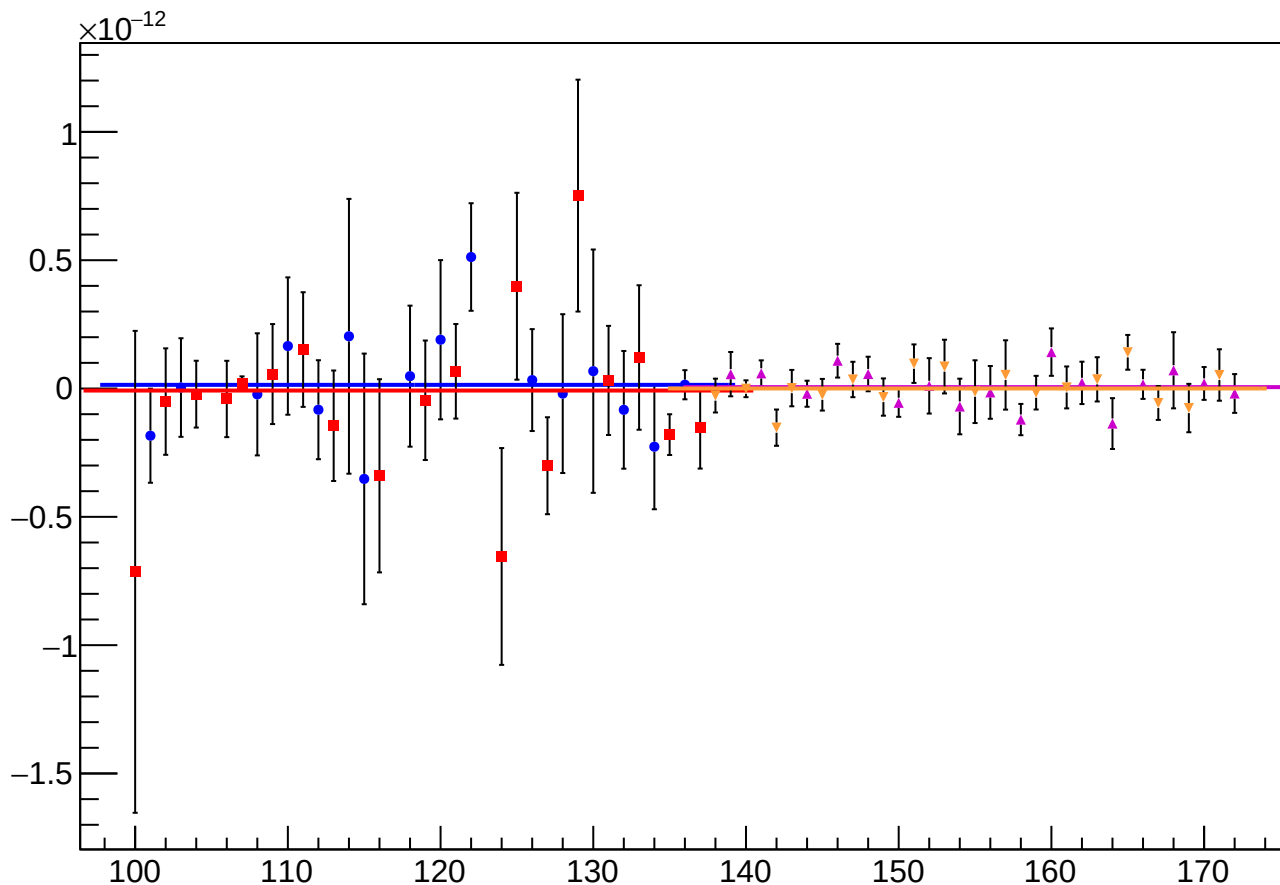
Left In: 253.541 $\pm$ 0.050 χ^2 /NDF:1527318.7/16

+ sign 205.717 $\pm$ 0.035 χ^2 /NDF: 6379959.0/33

All: 202.495 $\pm$ 0.024 χ^2 /NDF: 12000086.8/69

- sign 199.453 $\pm$ 0.034 χ^2 /NDF: 5603286.7/35

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

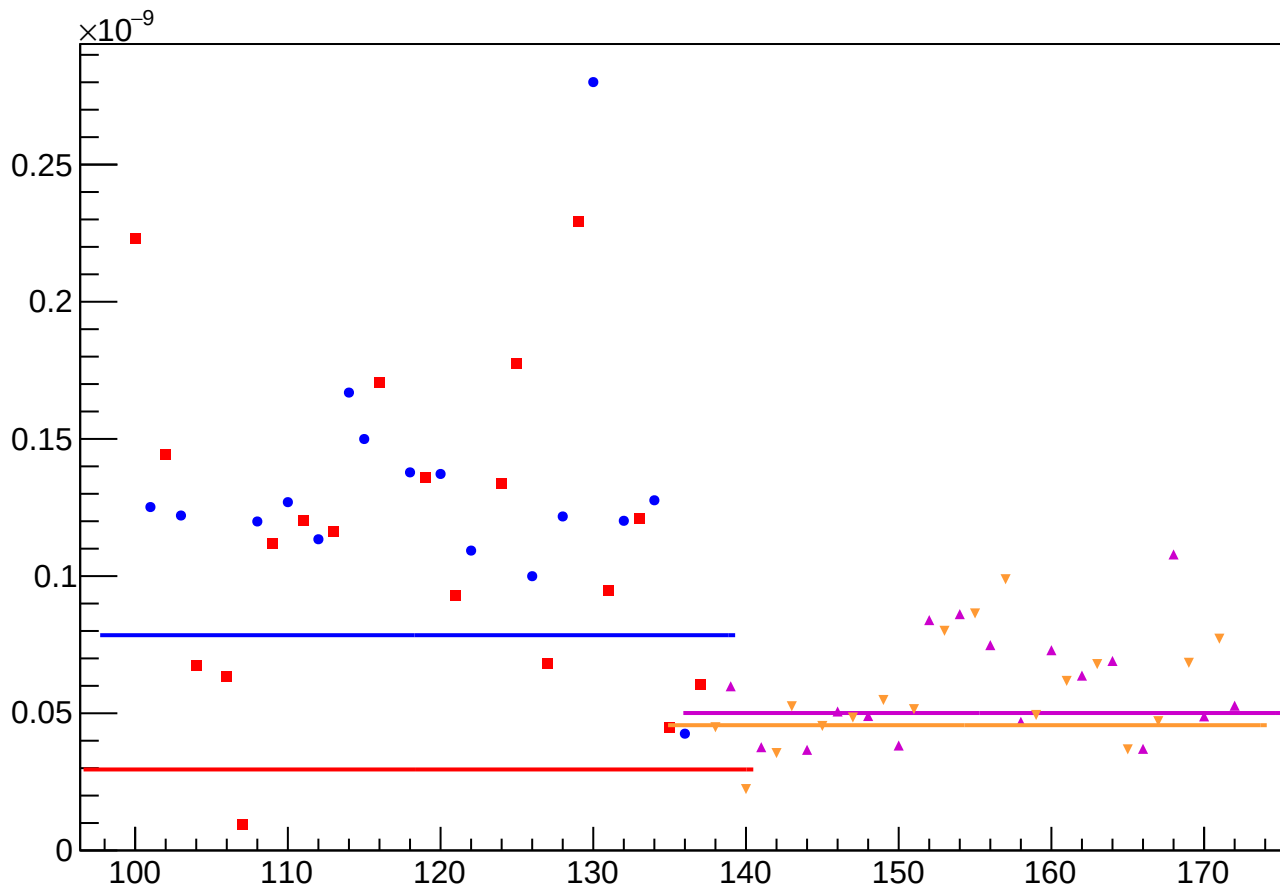
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.5/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 58.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/35

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

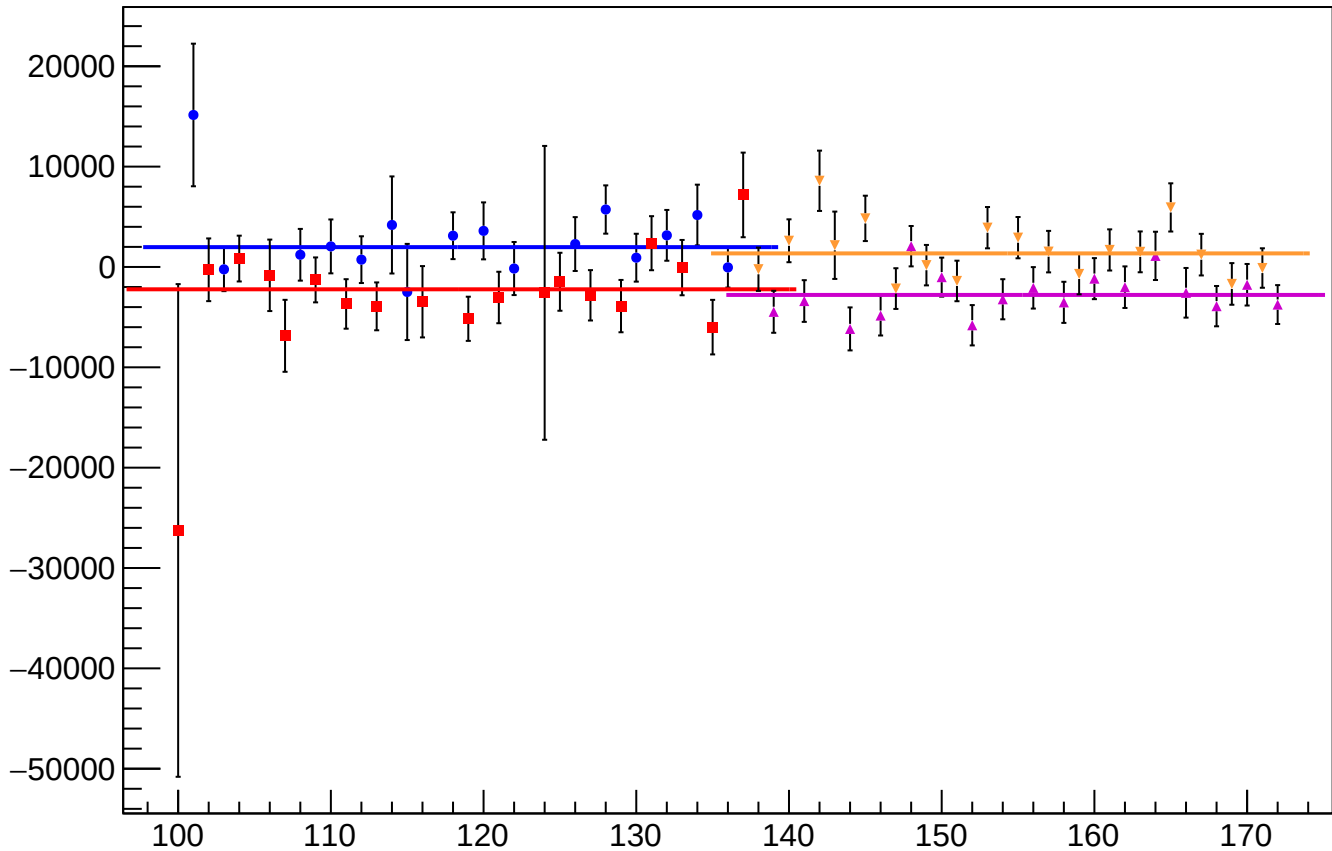
Left In: 0.000+/-0.000 χ^2/NDF : 1584166.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 5577876.6/33

All: 0.000+/-0.000 χ^2/NDF : 13924253.5/69

- sign 0.000+/-0.000 χ^2/NDF : 8101081.5/35

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.299 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1352.047 $\pm$ 507.151 χ^2 /NDF: 23.8/17

Right Out: -2226.171 $\pm$ 656.286 χ^2 /NDF: 19.0/18

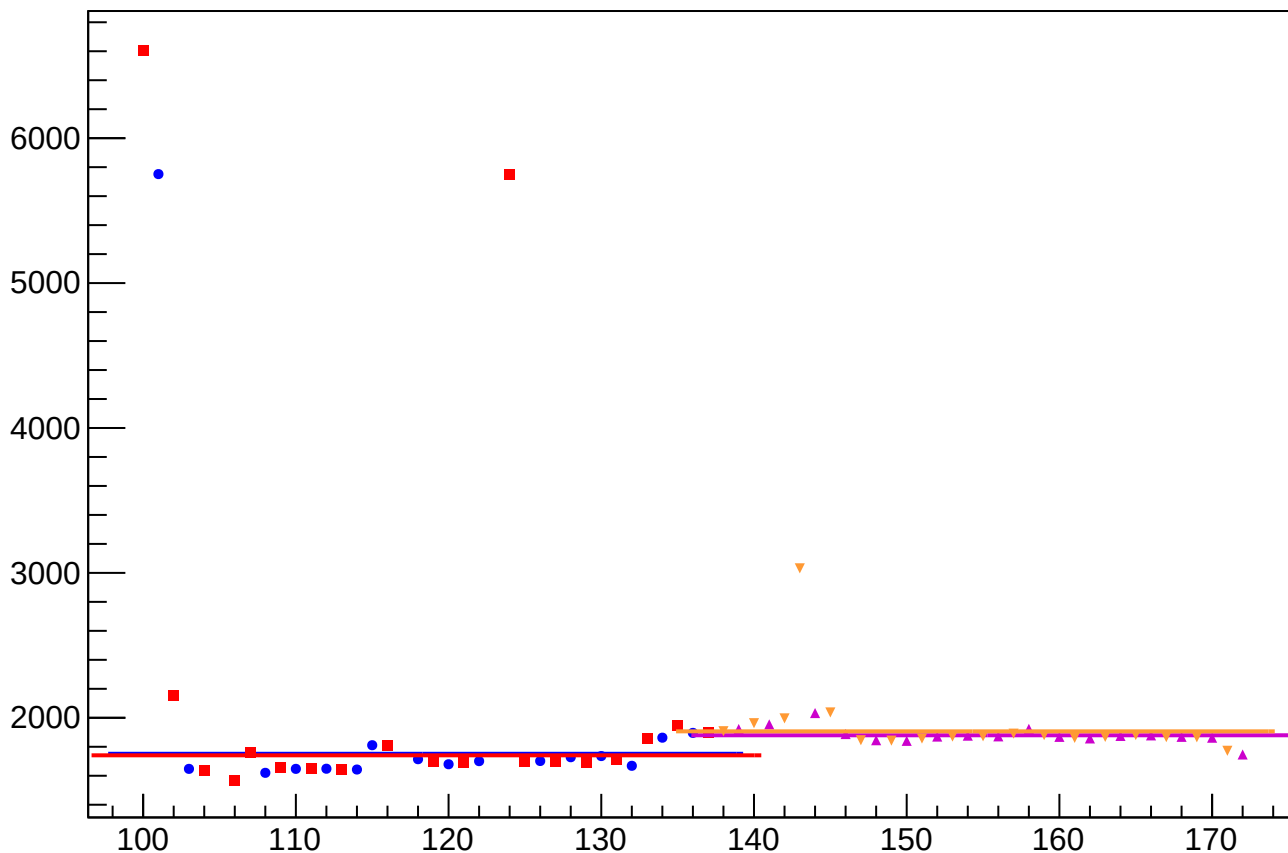
Left In: -2786.875 $\pm$ 501.900 χ^2 /NDF: 17.7/16

+ sign 1580.426 $\pm$ 403.864 χ^2 /NDF: 36.5/33

All: -526.650 $\pm$ 283.724 χ^2 /NDF: 127.4/69

- sign -2579.960 $\pm$ 398.678 χ^2 /NDF: 37.1/35

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1751.607 $\pm$ 0.472 χ^2 /NDF: 670651.4/15

Left Out: 1906.466 $\pm$ 0.359 χ^2 /NDF: 254092.0/17

Right Out: 1741.052 $\pm$ 0.461 χ^2 /NDF: 304655.0/18

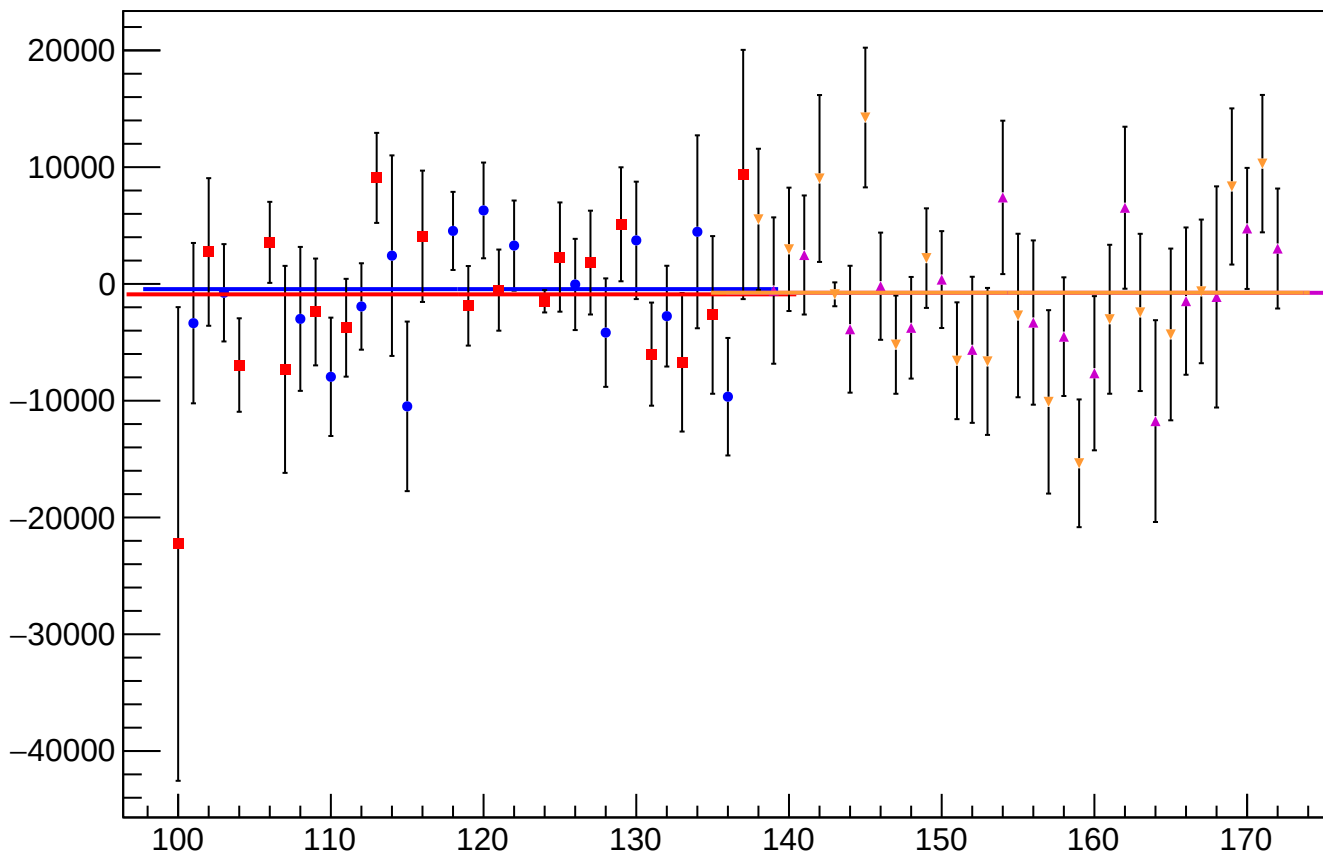
Left In: 1879.337 $\pm$ 0.355 χ^2 /NDF: 25976.8/16

+ sign 1849.812 $\pm$ 0.286 χ^2 /NDF: 992966.0/33

All: 1838.649 $\pm$ 0.200 χ^2 /NDF: 1383157.7/69

- sign 1827.830 $\pm$ 0.281 χ^2 /NDF: 387182.8/35

asym_atr1l2_avg_reg_correction_mean vs Slug



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

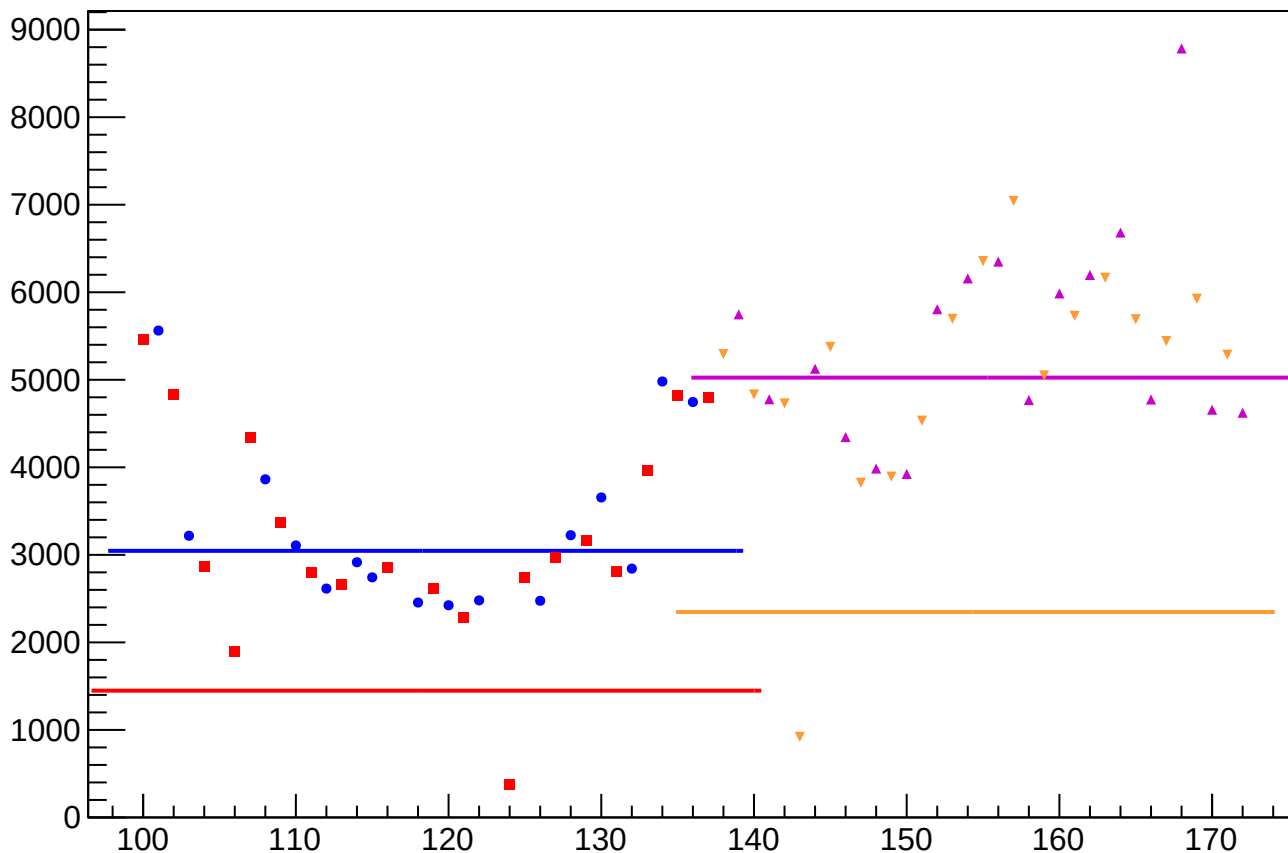
Left In: -761.003+/-1370.544 χ^2/NDF : 9.6/16

+ sign -648.798+/-676.984 χ^2/NDF : 44.0/33

All: -761.944+/-465.597 χ^2/NDF : 73.8/69

- sign -863.498+/-641.367 χ^2/NDF : 29.7/35

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3045.917 $\pm$ 0.830 χ^2 /NDF: 907385.5/15

Left Out: 2347.651 $\pm$ 0.586 χ^2 /NDF:12063654.2/17

Right Out: 1448.519 $\pm$ 0.513 χ^2 /NDF: 6786925.8/18

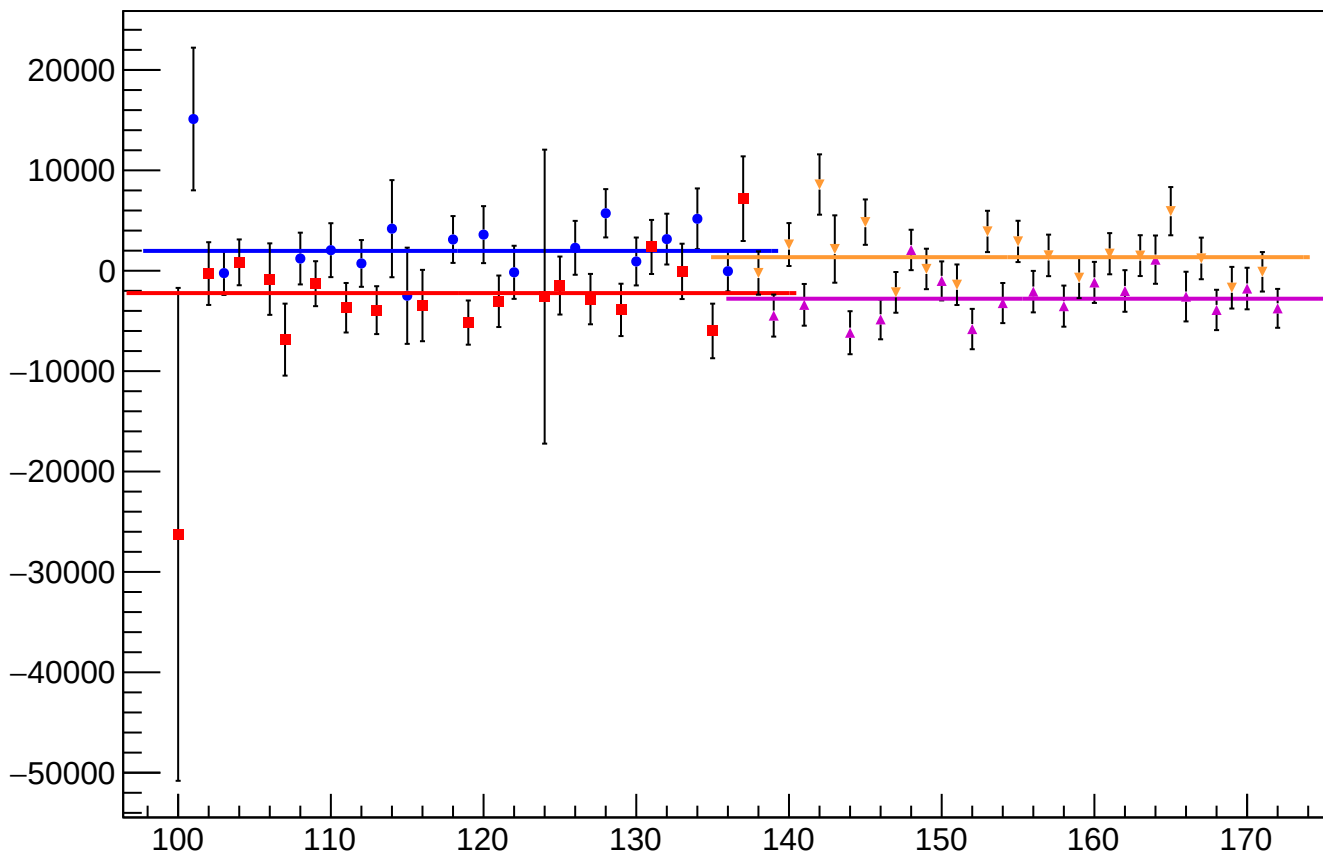
Left In: 5024.838 $\pm$ 0.969 χ^2 /NDF:1011138.6/16

+ sign 2579.663 $\pm$ 0.479 χ^2 /NDF: 13443109.3/33

All: 2396.290 $\pm$ 0.329 χ^2 /NDF: 32155461.3/6

- sign 2231.704 $\pm$ 0.454 χ^2 /NDF: 18433908.5/35

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

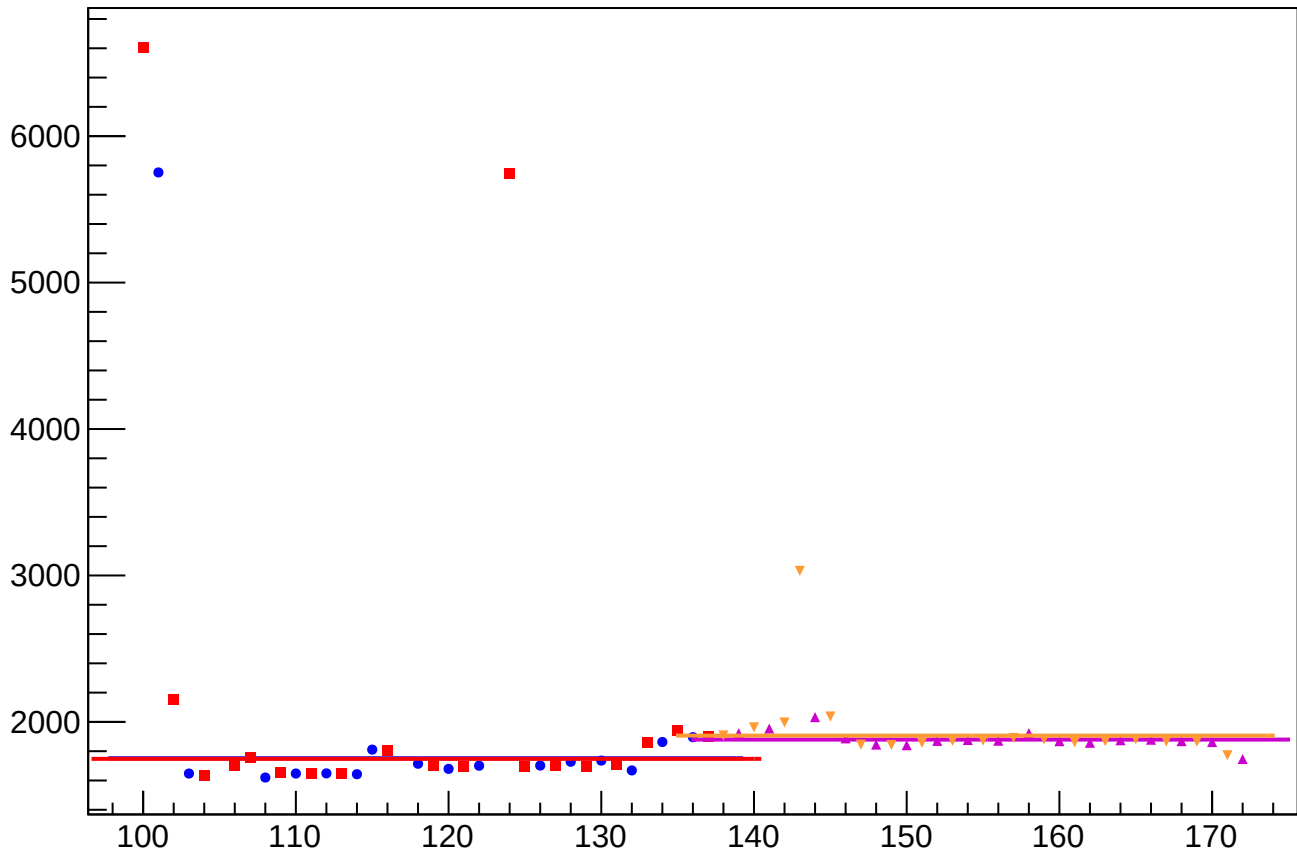
Left In: -2786.948 ± 501.900 χ^2/NDF : 17.7/16

+ sign 1580.290 ± 403.864 χ^2/NDF : 36.5/33

All: -526.759 ± 283.724 χ^2/NDF : 127.4/69

- sign -2580.041 ± 398.678 χ^2/NDF : 37.1/35

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1906.466 $\pm$ 0.359 χ^2 /NDF: 254092.0/17

Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

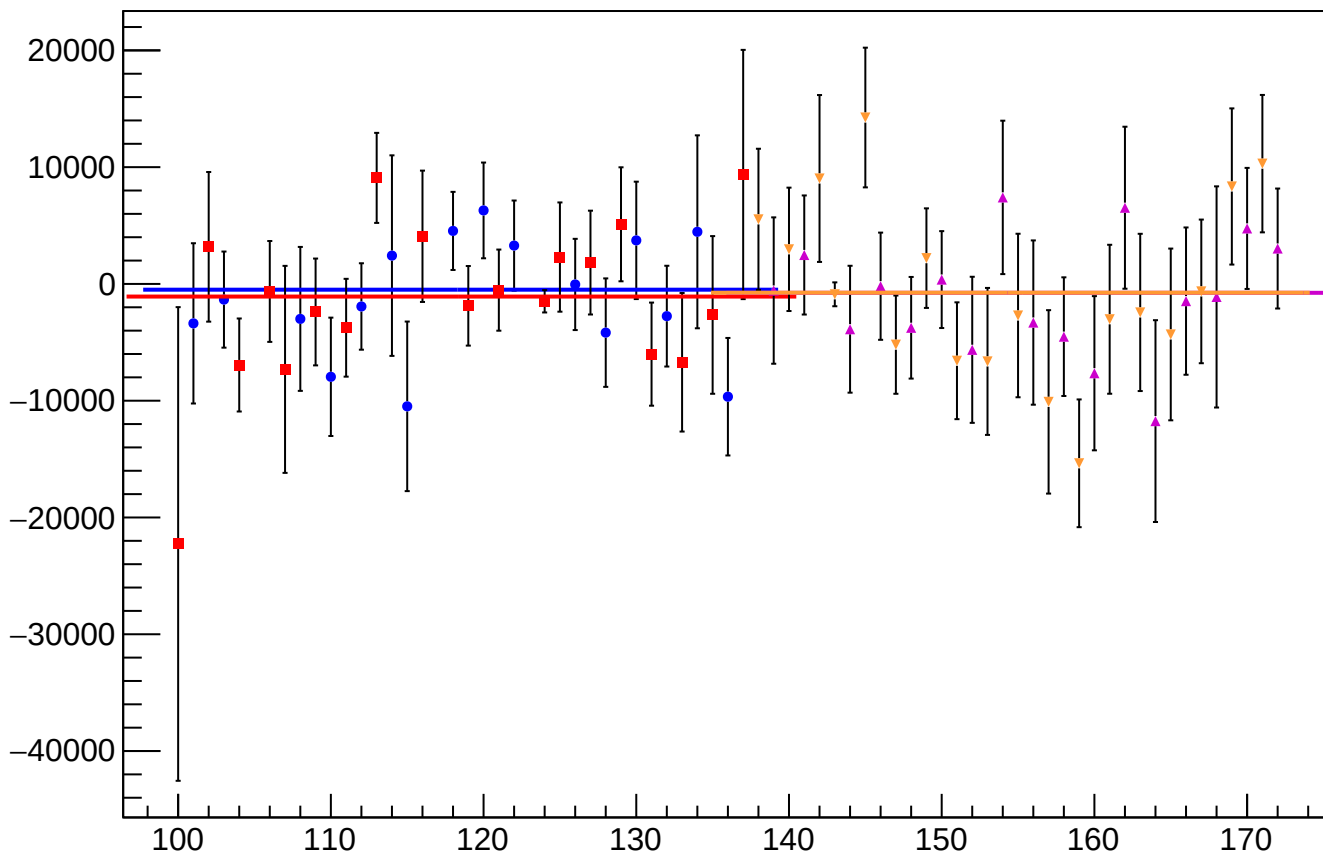
Left In: 1879.337 $\pm$ 0.355 χ^2 /NDF: 25976.8/16

+ sign 1849.812 $\pm$ 0.286 χ^2 /NDF: 992966.5/33

All: 1840.049 $\pm$ 0.200 χ^2 /NDF: 1370109.8/69

- sign 1830.561 $\pm$ 0.282 χ^2 /NDF: 374838.7/35

asym_atr1l2_avg_cor_correction_mean vs Slug



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

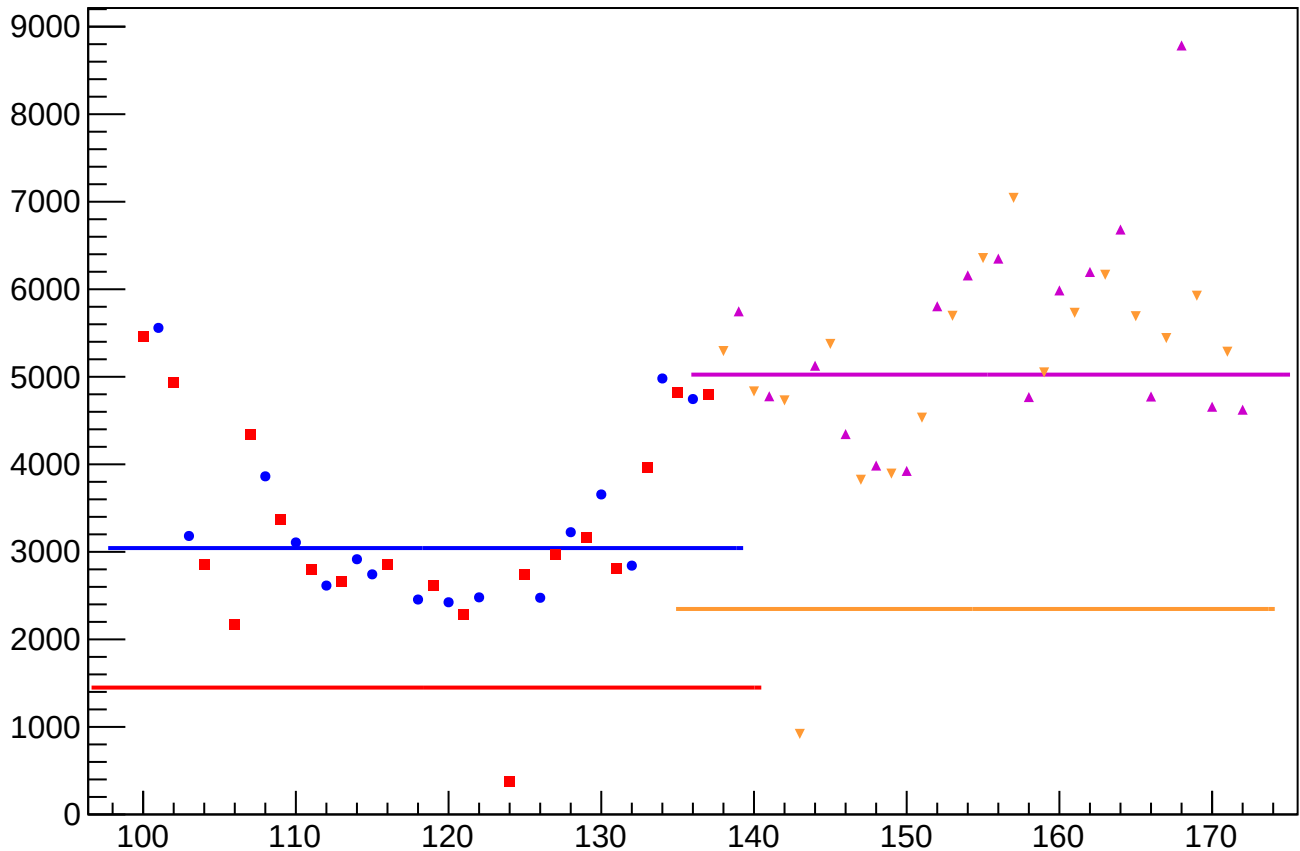
Left In: -761.065+/-1370.544 χ^2/NDF : 9.6/16

+ sign -664.741+/-676.740 χ^2/NDF : 44.0/33

All: -845.583+/-467.018 χ^2/NDF : 72.3/69

- sign -1010.015+/-645.306 χ^2/NDF : 28.1/35

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

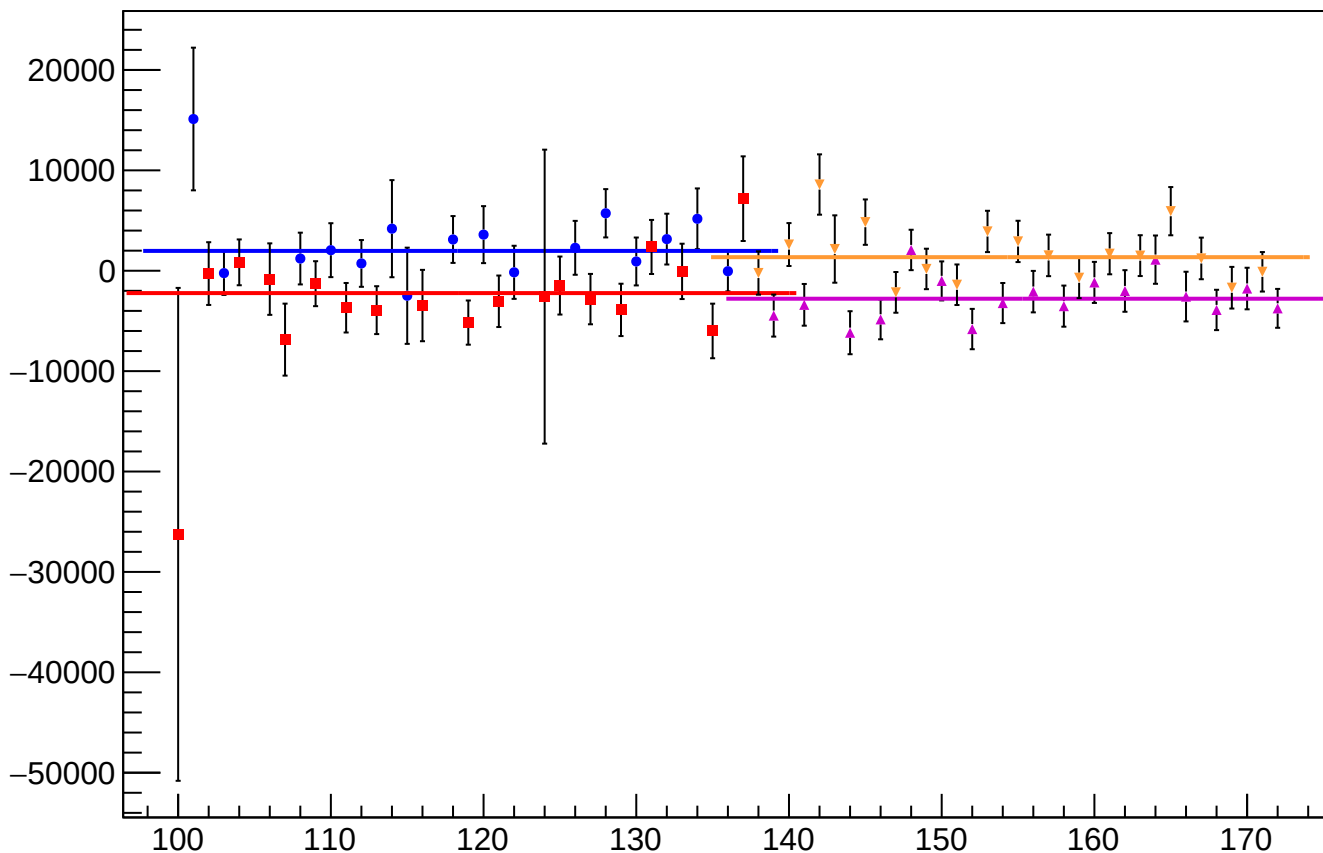
Left In: 5024.837+/-0.969 χ^2/NDF : 1011138.0/16

+ sign 2579.025+/-0.479 χ^2/NDF : 13439123.2/33

All: 2402.571+/-0.330 χ^2/NDF : 32128780.0/6

- sign 2242.128+/-0.456 χ^2/NDF : 18430050.0/35

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.946 $\pm$ 667.710 χ^2 /NDF: 12.1/15

Left Out: 1352.036 $\pm$ 507.151 χ^2 /NDF:23.8/17

Right Out: -2226.267 $\pm$ 656.286 χ^2 /NDF: 19.0/18

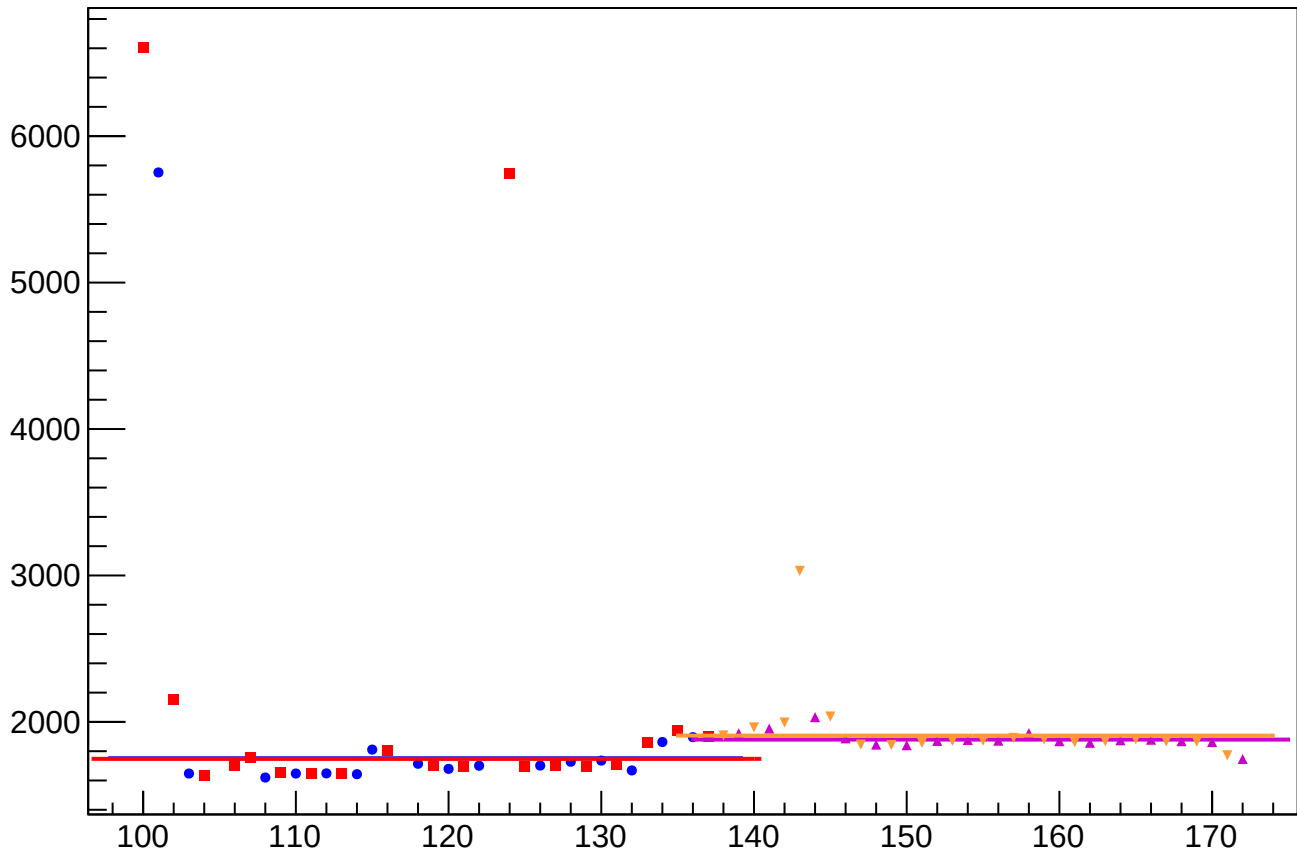
Left In: -2786.948 $\pm$ 501.900 χ^2 /NDF:17.7/16

+ sign 1580.290 $\pm$ 403.864 χ^2 /NDF: 36.5/33

All: -526.759 $\pm$ 283.724 χ^2 /NDF: 127.4/69

- sign -2580.041 $\pm$ 398.678 χ^2 /NDF: 37.1/35

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1751.606 $\pm$ 0.472 χ^2 /NDF: 670651.6/15

Left Out: 1906.466 $\pm$ 0.359 χ^2 /NDF: 254092.0/17

+ sign 1849.812 $\pm$ 0.286 χ^2 /NDF: 992966.5/33

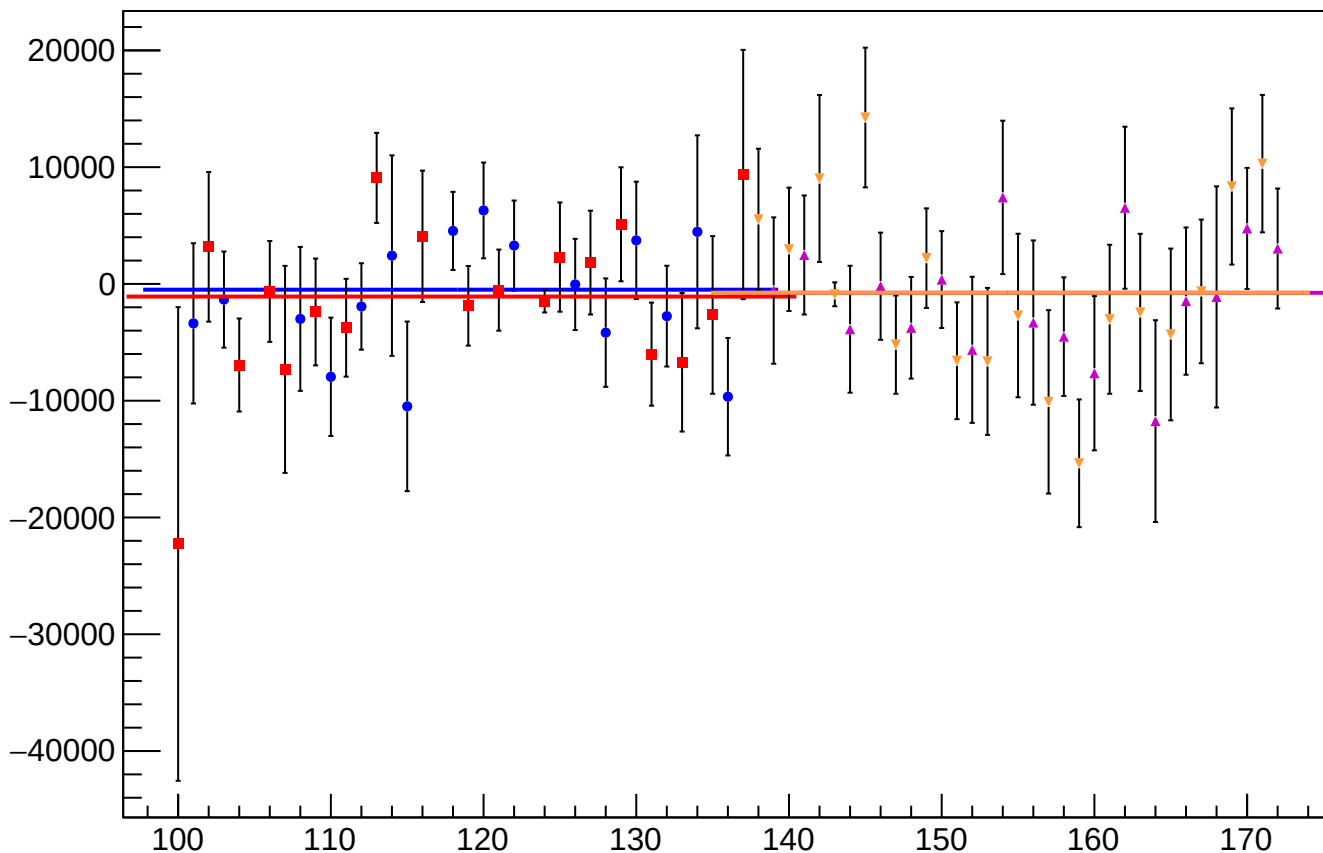
Right Out: 1747.786 $\pm$ 0.462 χ^2 /NDF: 297917.6/18

All: 1840.049 $\pm$ 0.200 χ^2 /NDF: 1370109.8/69

Left In: 1879.337 $\pm$ 0.355 χ^2 /NDF: 25976.8/16

- sign 1830.561 $\pm$ 0.282 χ^2 /NDF: 374838.7/35

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



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

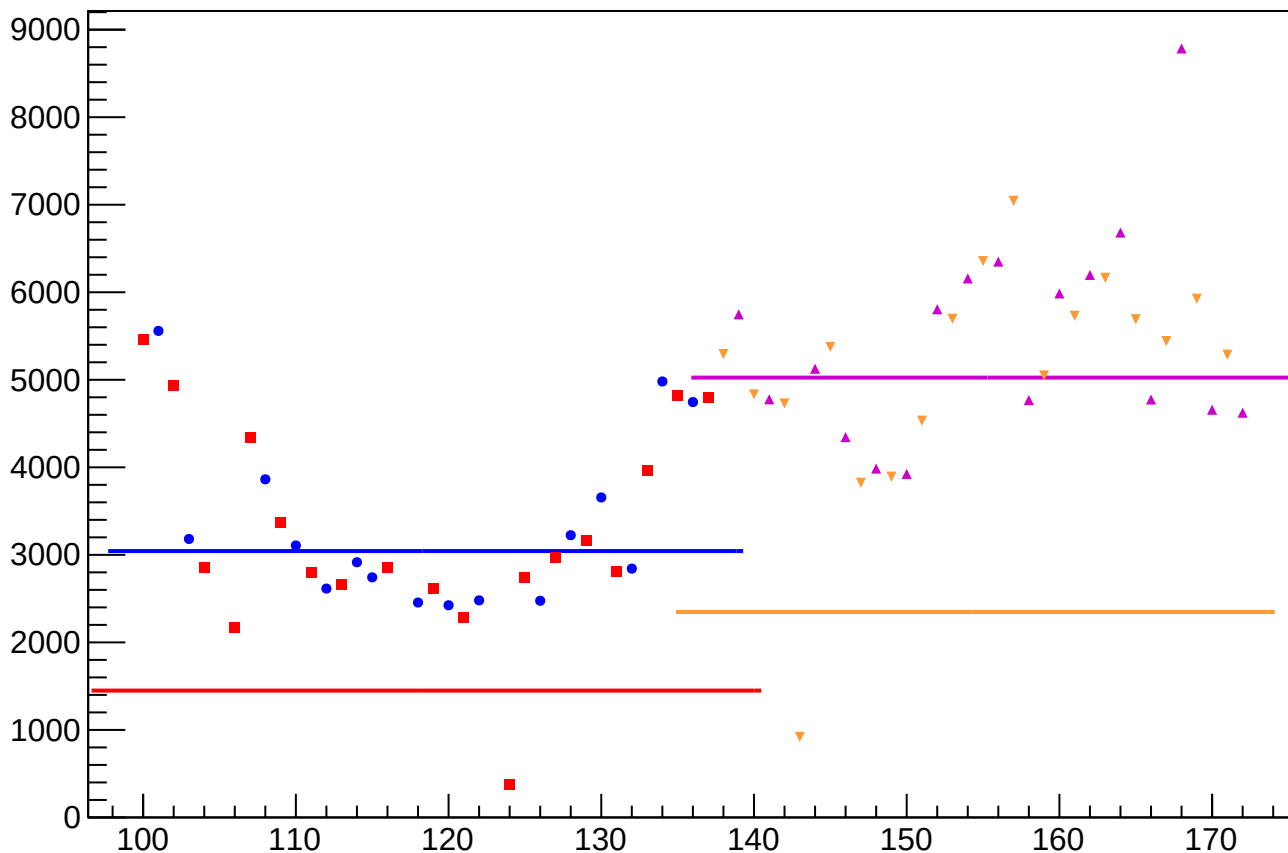
Left In: -761.065+/-1370.544 χ^2/NDF : 9.6/16

+ sign -664.741+/-676.740 χ^2/NDF : 44.0/33

All: -845.583+/-467.018 χ^2/NDF : 72.3/69

- sign -1010.015+/-645.306 χ^2/NDF : 28.1/35

asym_atr1l2_avg_eigen_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

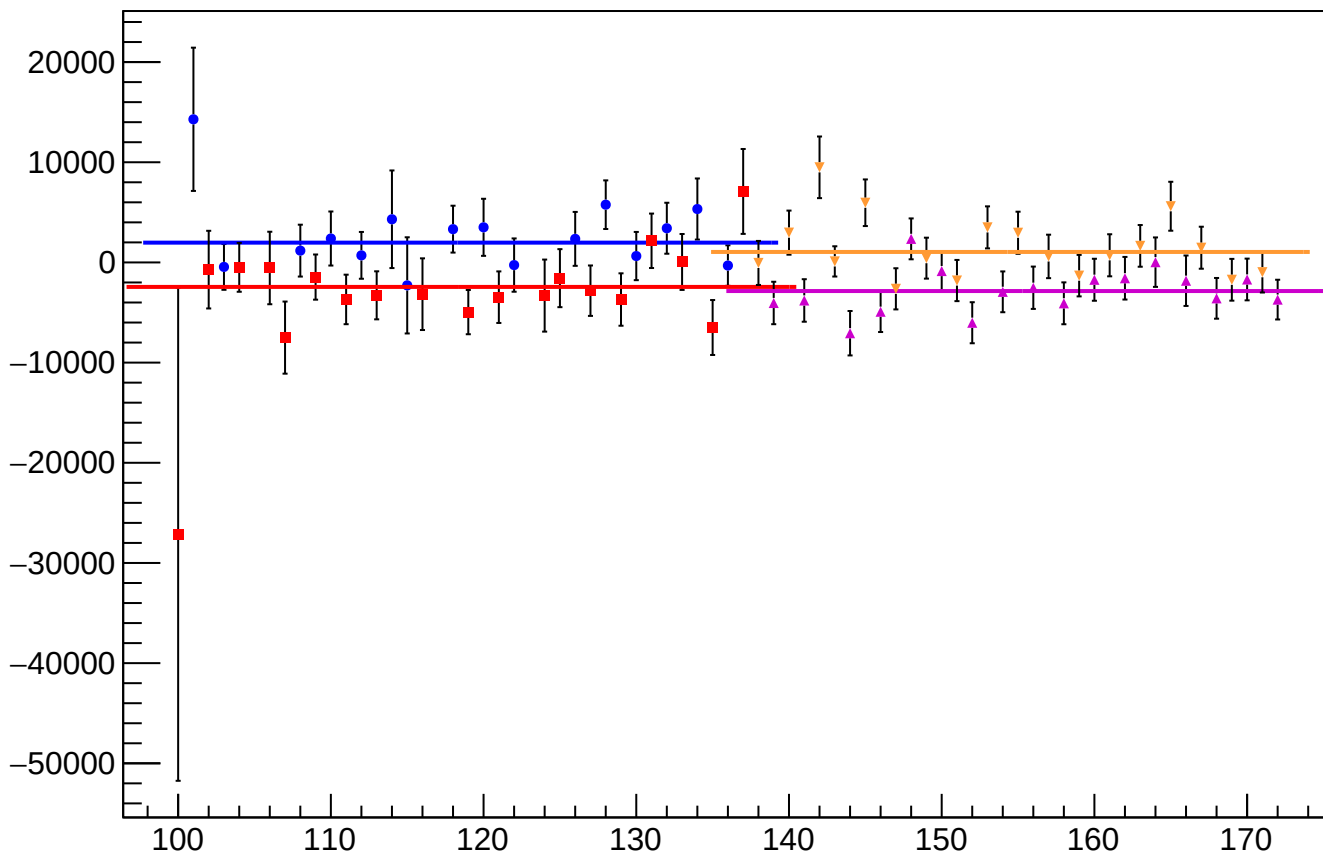
Left In: 5024.837+/-0.969 χ^2/NDF : 1011138.0/16

+ sign 2579.025+/-0.479 χ^2/NDF : 13439123.2/33

All: 2402.571+/-0.330 χ^2/NDF : 32128780.0/6

- sign 2242.128+/-0.456 χ^2/NDF : 18430050.0/35

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

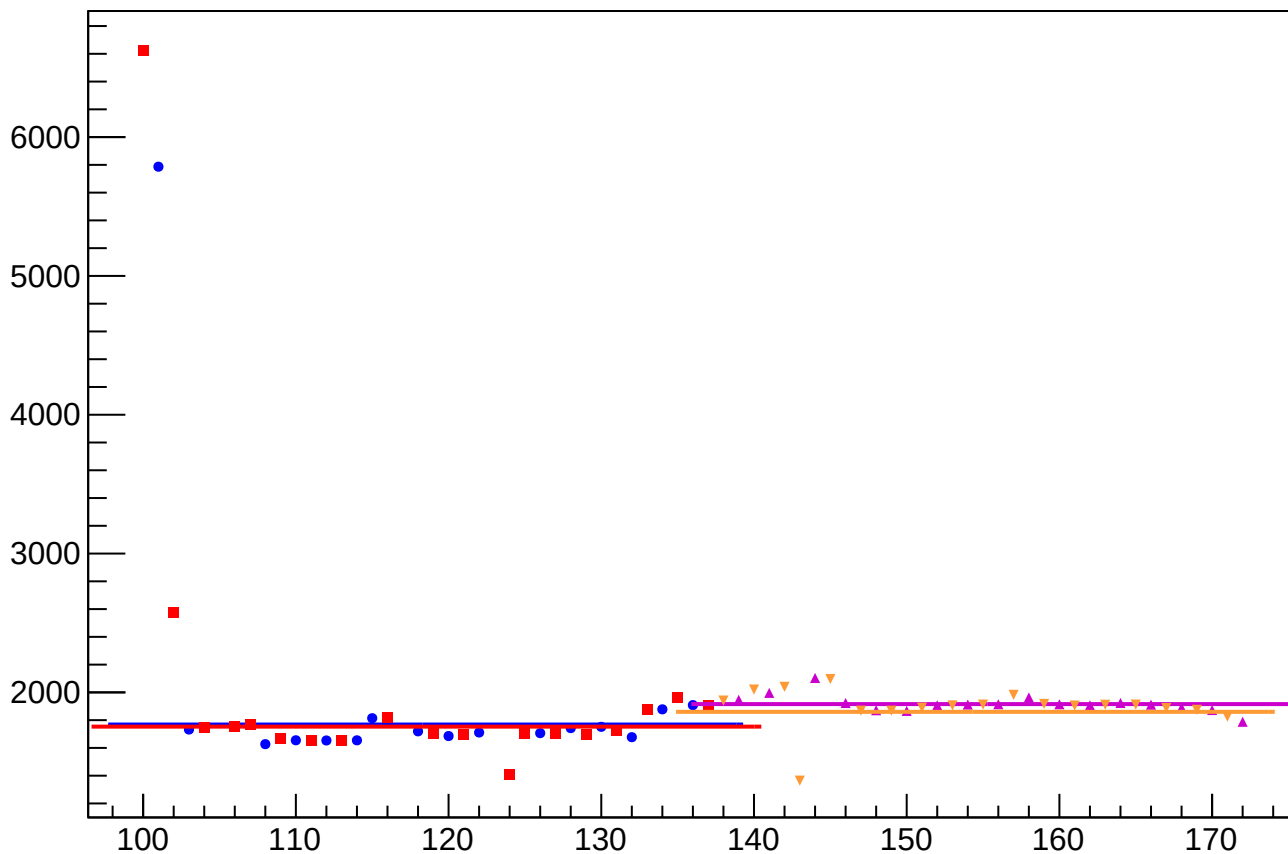
Left In: -2856.101+/-511.667 χ^2/NDF : 18.3/16

+ sign 1371.849+/-398.966 χ^2/NDF : 42.3/33

All: -639.725+/-283.821 χ^2/NDF : 129.7/69

- sign -2700.794+/-403.845 χ^2/NDF : 36.0/35

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480 $\pm$ 0.477 χ^2 /NDF: 667367.4/15

Left Out: 1859.937 $\pm$ 0.350 χ^2 /NDF: 271085.2/17

Right Out: 1753.383 $\pm$ 0.464 χ^2 /NDF: 218864.4/18

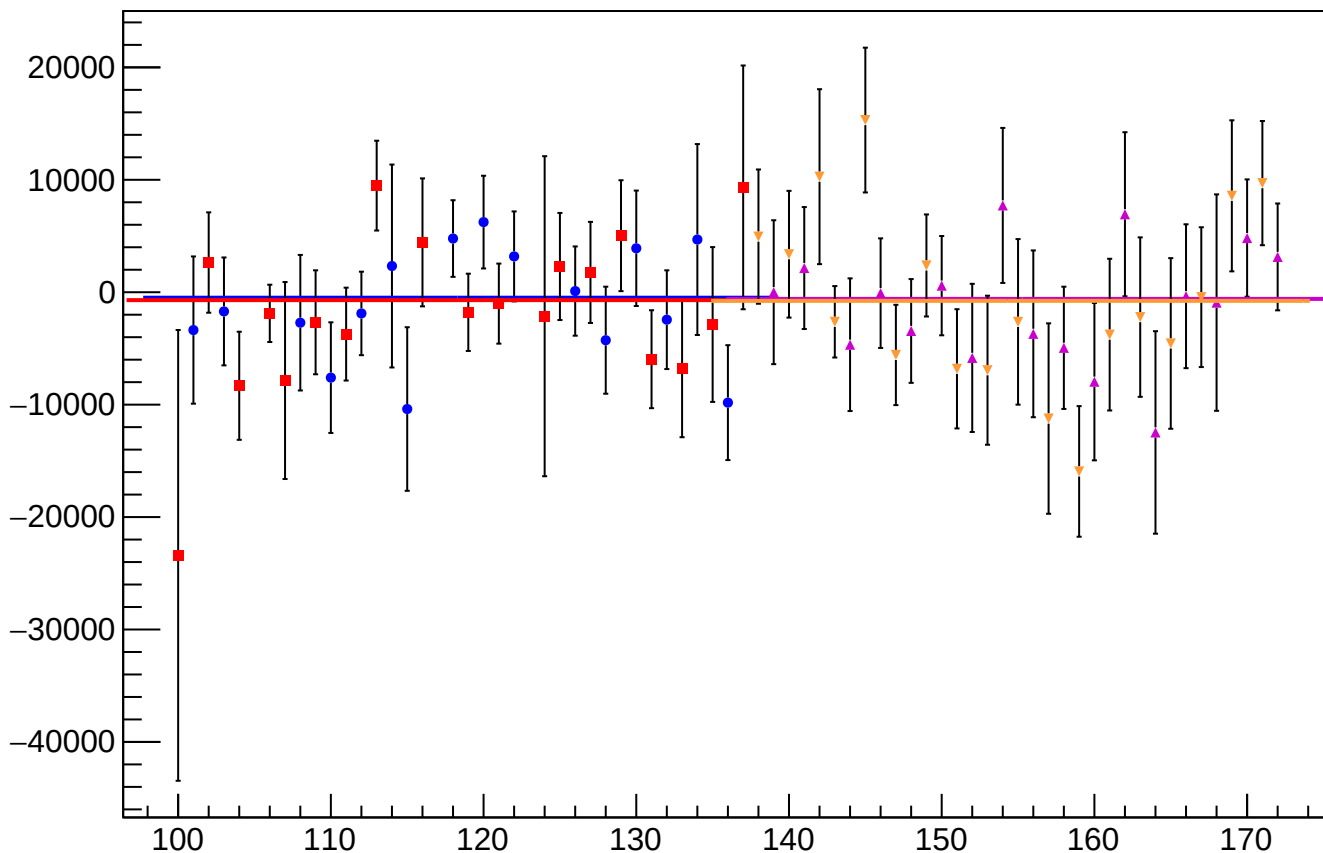
Left In: 1915.683 $\pm$ 0.362 χ^2 /NDF: 30509.1/16

+ sign 1827.899 $\pm$ 0.282 χ^2 /NDF: 962371.6/33

All: 1840.945 $\pm$ 0.201 χ^2 /NDF: 1292195.2/69

- sign 1854.285 $\pm$ 0.285 χ^2 /NDF: 325498.5/35

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

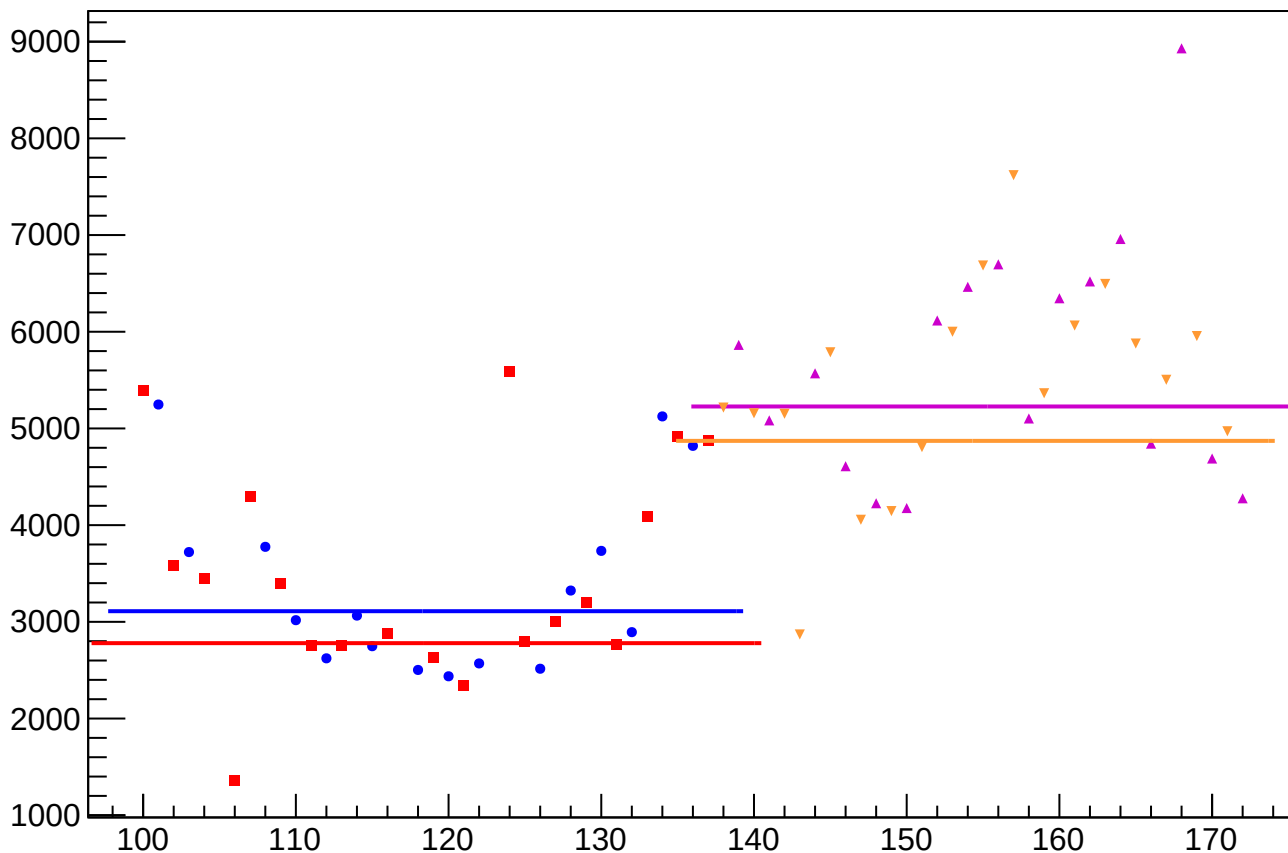
Left In: -593.237+/-1426.609 χ^2/NDF : 9.7/16

+ sign -612.302+/-892.788 χ^2/NDF : 44.1/33

All: -639.099+/-617.772 χ^2/NDF : 72.6/69

- sign -663.715+/-855.715 χ^2/NDF : 28.6/35

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

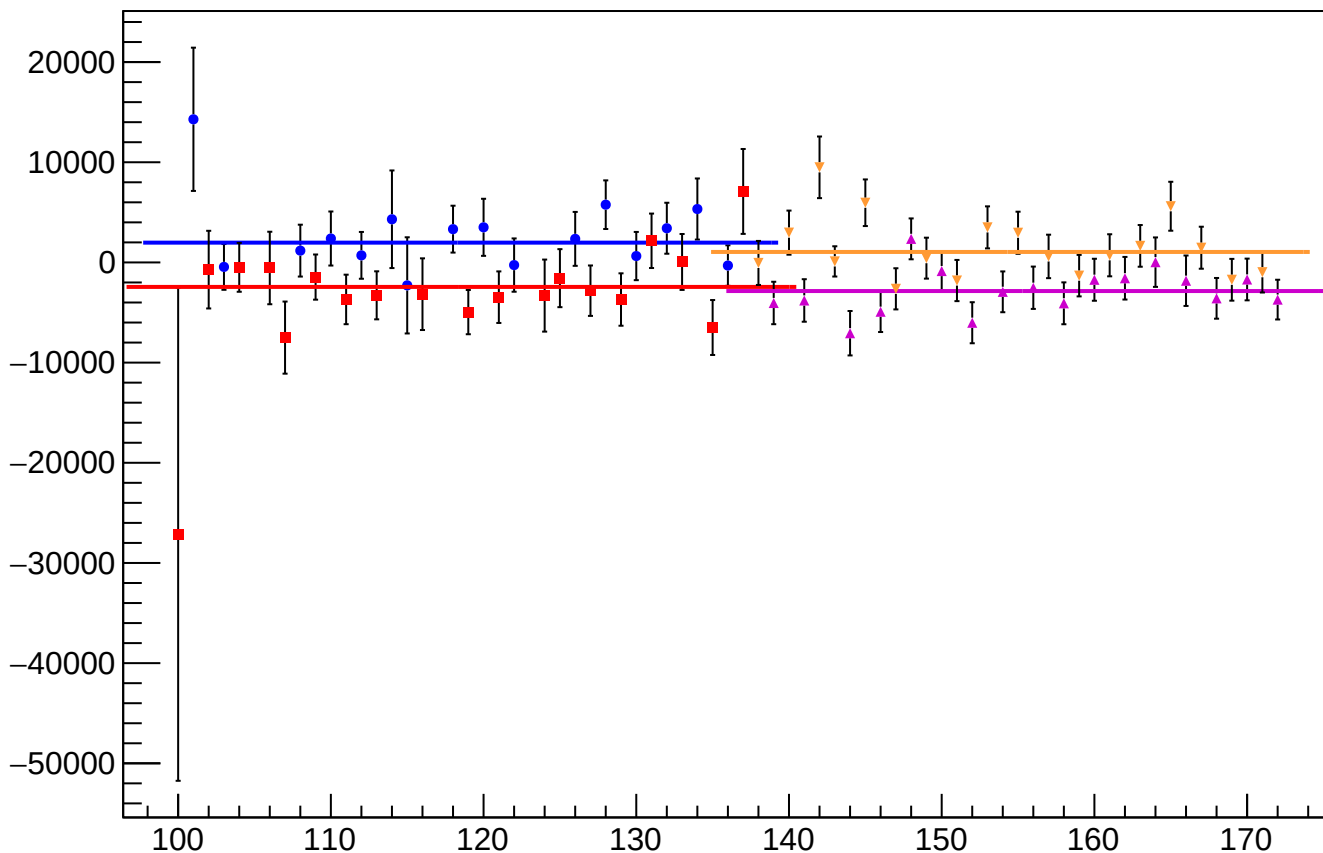
Left In: 5227.137+/-1.009 χ^2/NDF : 1040231.7/16

+ sign 3894.122+/-0.631 χ^2/NDF : 4453487.0/33

All: 3772.212+/-0.437 χ^2/NDF : 10682106.5/6

- sign 3660.216+/-0.605 χ^2/NDF : 6157068.7/35

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1975.805 $\pm$ 674.086 χ^2 /NDF: 12.4/15

Left Out: 1046.210 $\pm$ 494.972 χ^2 /NDF: 28.6/17

Right Out: -2444.199 $\pm$ 657.682 χ^2 /NDF: 17.5/18

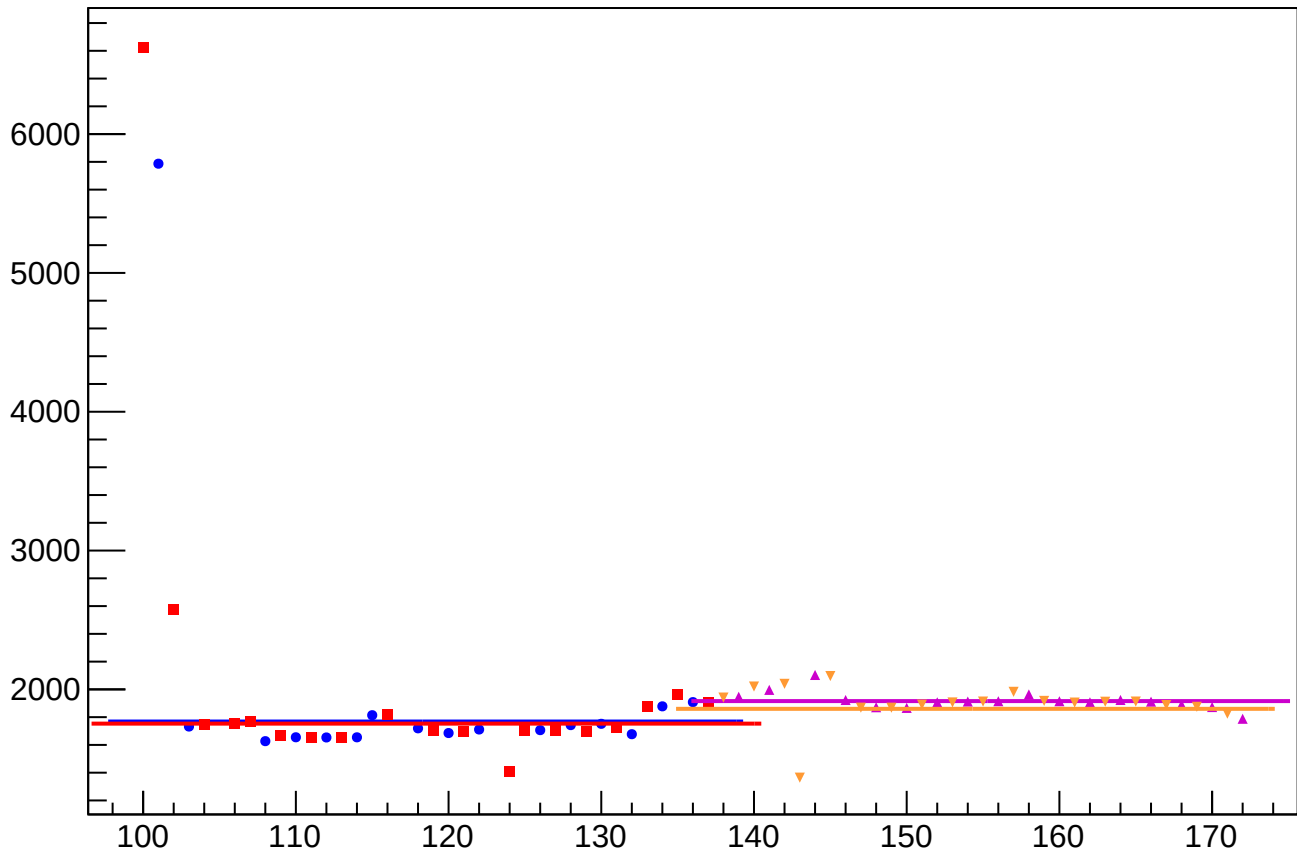
Left In: -2856.101 $\pm$ 511.667 χ^2 /NDF: 18.3/16

+ sign 1371.848 $\pm$ 398.966 χ^2 /NDF: 42.3/33

All: -639.726 $\pm$ 283.821 χ^2 /NDF: 129.7/69

- sign -2700.794 $\pm$ 403.845 χ^2 /NDF: 36.0/35

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1768.480 $\pm$ 0.477 χ^2 /NDF: 667367.4/15

Left Out: 1859.937 $\pm$ 0.350 χ^2 /NDF: 271086.7/17

Right Out: 1753.382 $\pm$ 0.464 χ^2 /NDF: 218864.3/18

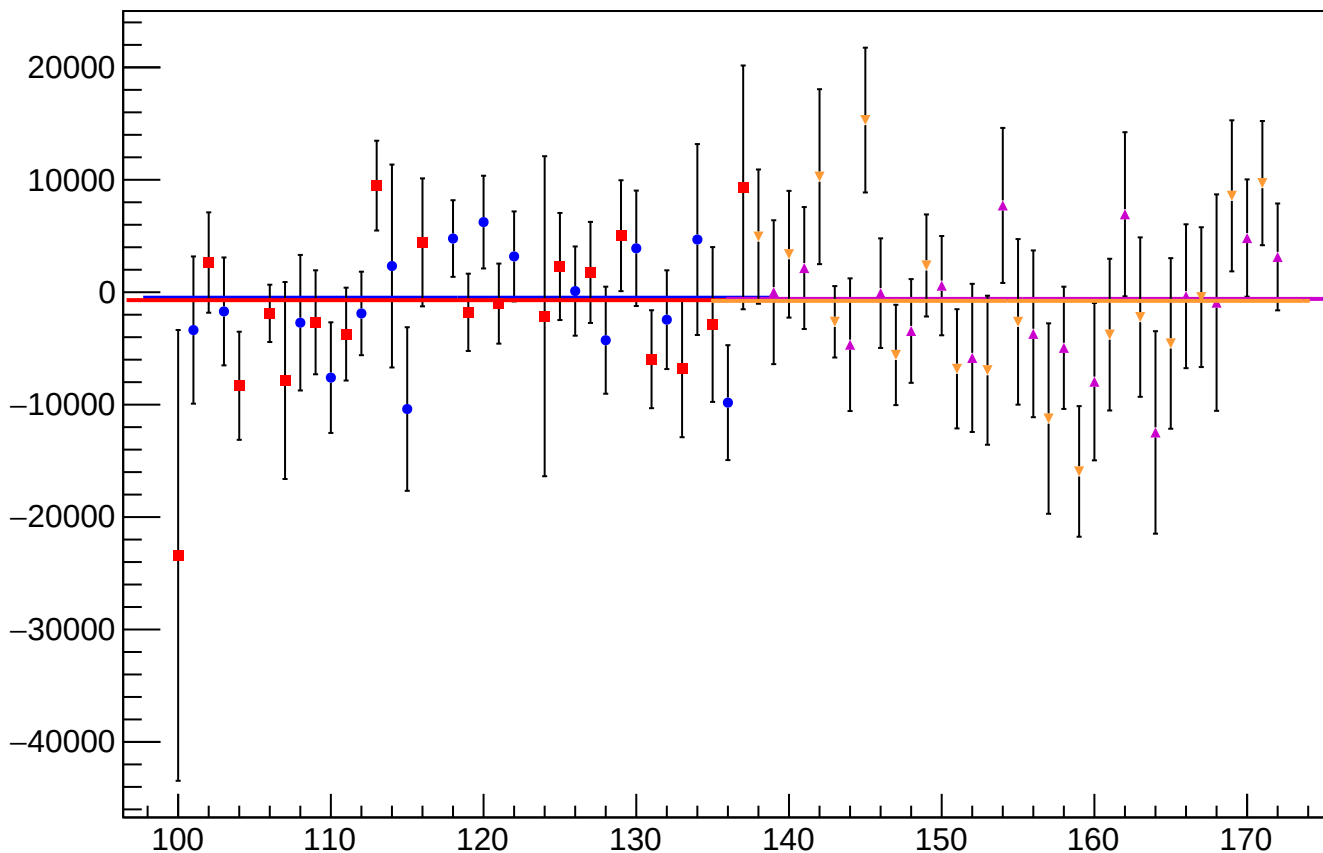
Left In: 1915.684 $\pm$ 0.362 χ^2 /NDF: 30510.0/16

+ sign 1827.900 $\pm$ 0.282 χ^2 /NDF: 962373.4/33

All: 1840.945 $\pm$ 0.201 χ^2 /NDF: 1292198.7/69

- sign 1854.285 $\pm$ 0.285 χ^2 /NDF: 325500.2/35

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



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

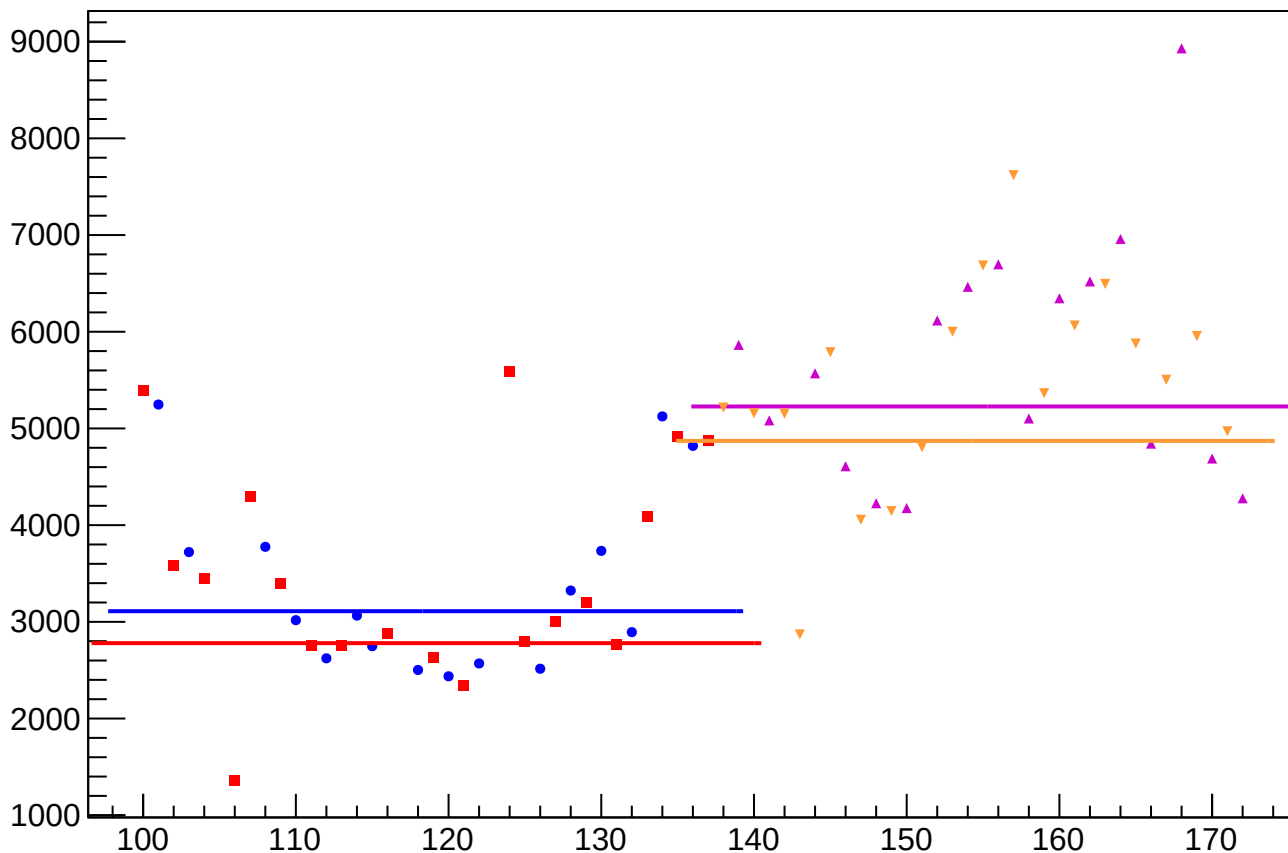
Left In: -593.237+/-1426.611 χ^2/NDF : 9.7/16

+ sign -612.301+/-892.787 χ^2/NDF : 44.1/33

All: -639.099+/-617.771 χ^2/NDF : 72.6/69

- sign -663.717+/-855.713 χ^2/NDF : 28.6/35

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

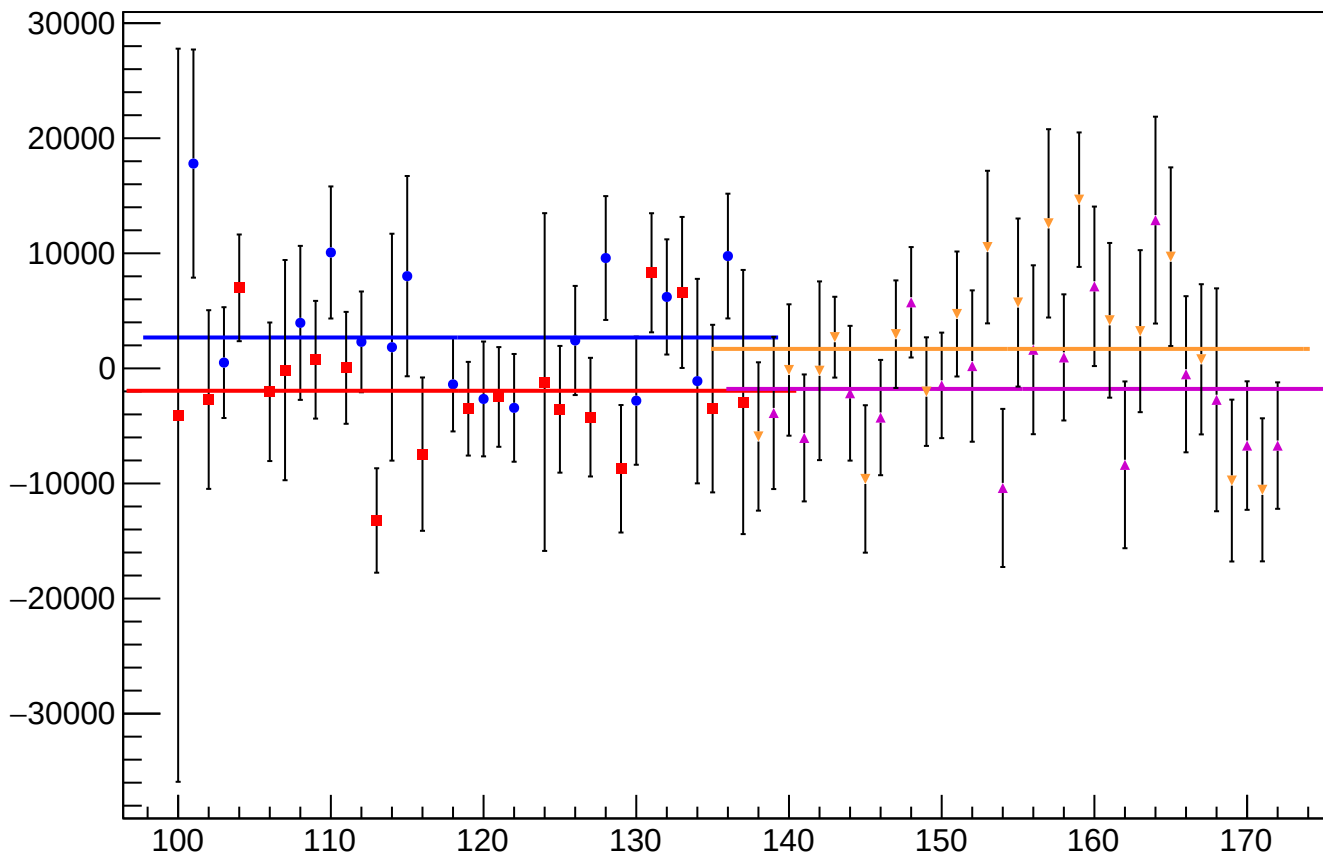
Left In: 5227.144+/-1.009 χ^2/NDF :1040233.6/16

+ sign 3894.115+/-0.631 χ^2/NDF : 4453543.1/33

All: 3772.202+/-0.437 χ^2/NDF : 10682251.2/6

- sign 3660.205+/-0.605 χ^2/NDF : 6157154.8/35

asym_atr1l2_avg_mean vs Slug



Right In: 2685.414 $\pm$ 1379.907 χ^2 /NDF: 13.5/15

Left Out: 1693.241 $\pm$ 1392.589 χ^2 /NDF:22.3/17

Right Out: -1945.685 $\pm$ 1332.986 χ^2 /NDF: 18.7/18

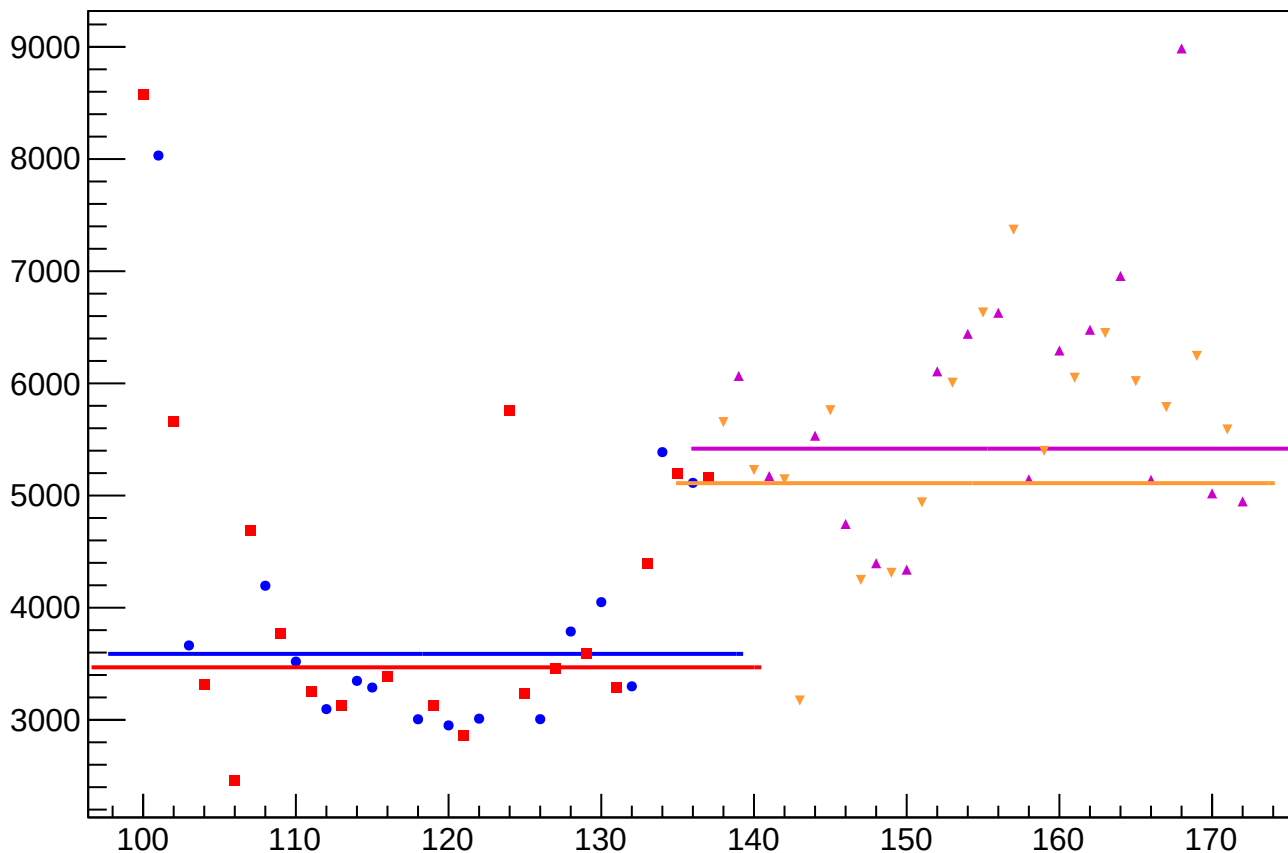
Left In: -1784.416 $\pm$ 1471.605 χ^2 /NDF:12.3/16

+ sign 2193.866 $\pm$ 980.194 χ^2 /NDF: 36.1/33

All: 176.446 $\pm$ 695.826 χ^2 /NDF: 75.6/69

- sign -1873.002 $\pm$ 987.944 χ^2 /NDF: 31.0/35

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

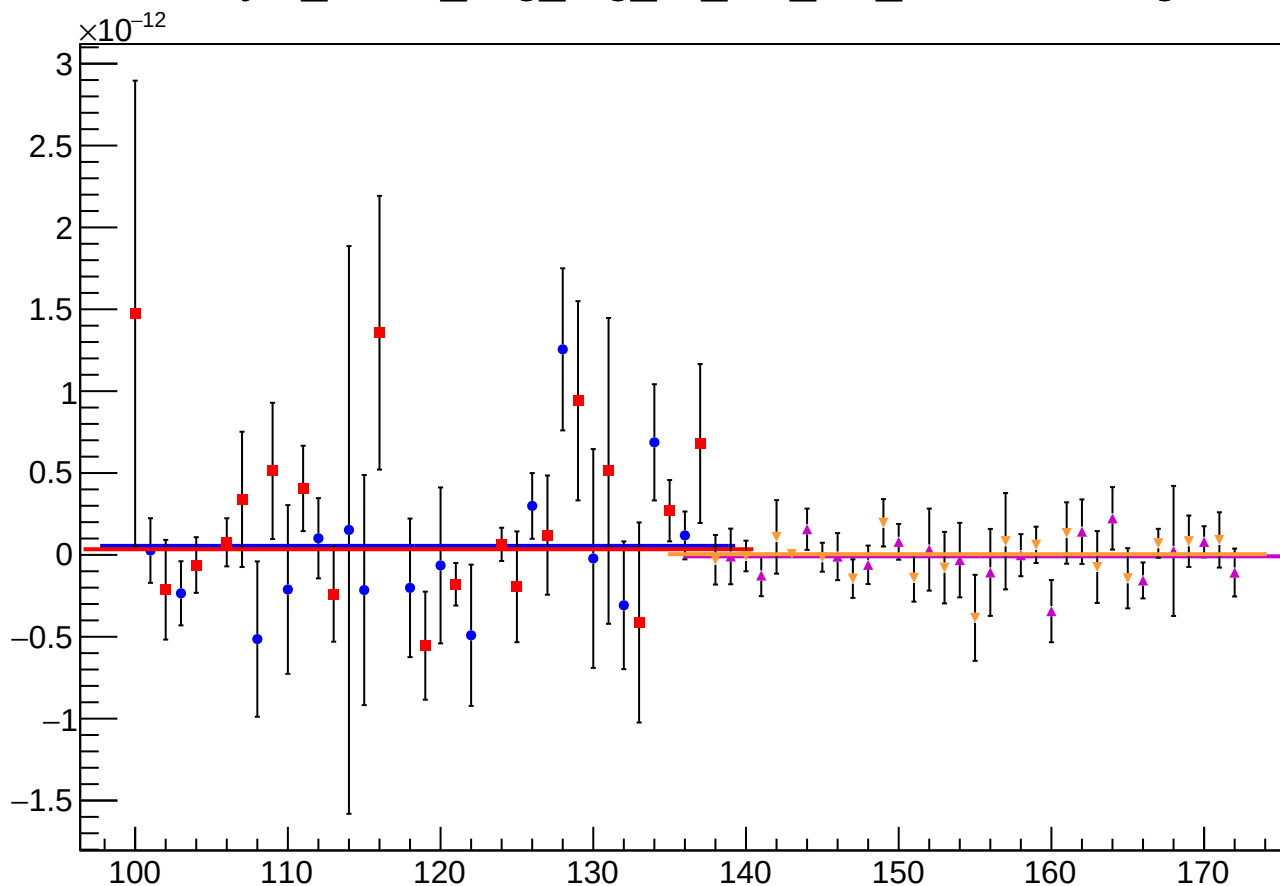
Left In: 5418.003+/-1.041 χ^2/NDF : 820072.7/16

+ sign 4342.453+/-0.693 χ^2/NDF : 3327888.5/33

All: 4337.449+/-0.490 χ^2/NDF : 6768918.5/69

- sign 4332.452+/-0.693 χ^2/NDF : 3440925.8/35

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

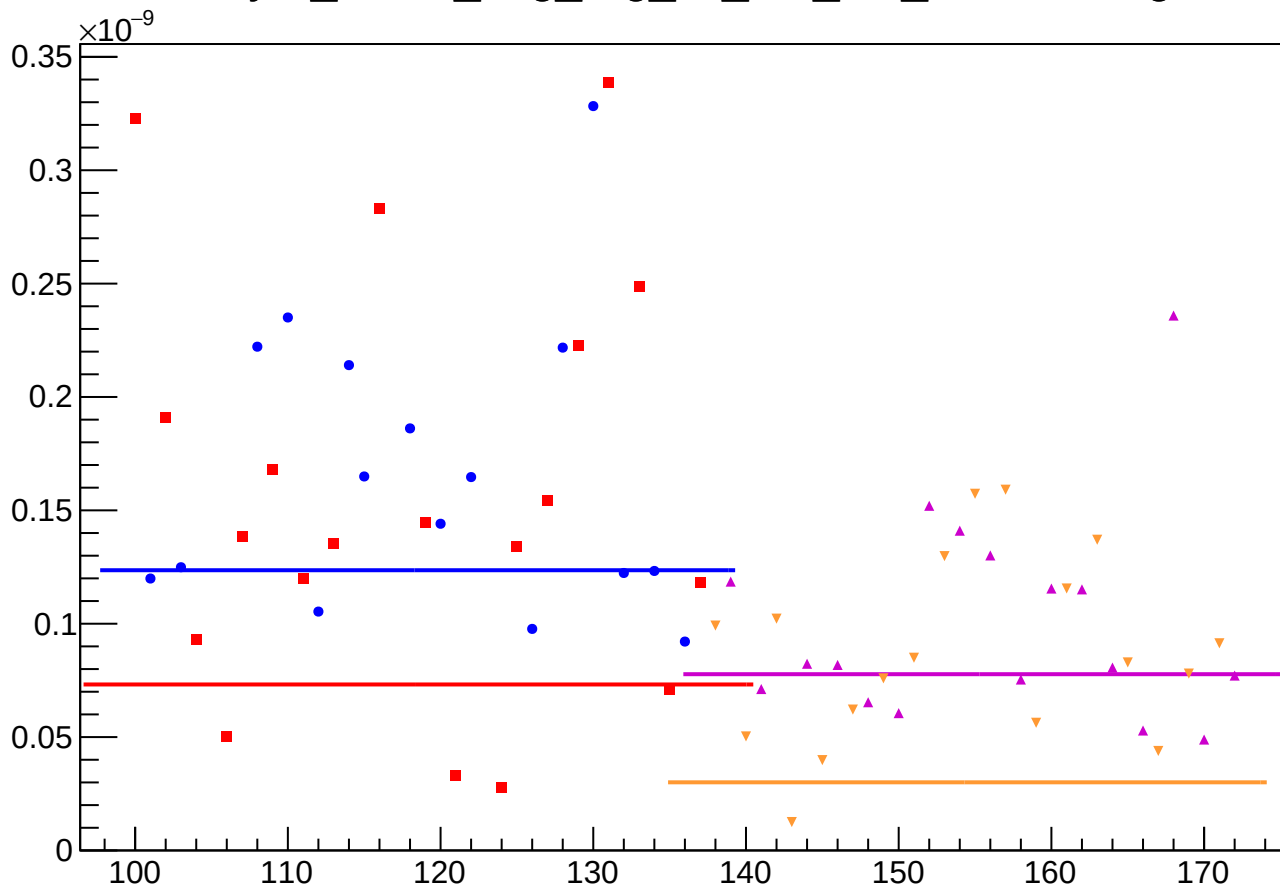
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.5/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.6/35

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 5537292.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2188857.9/18

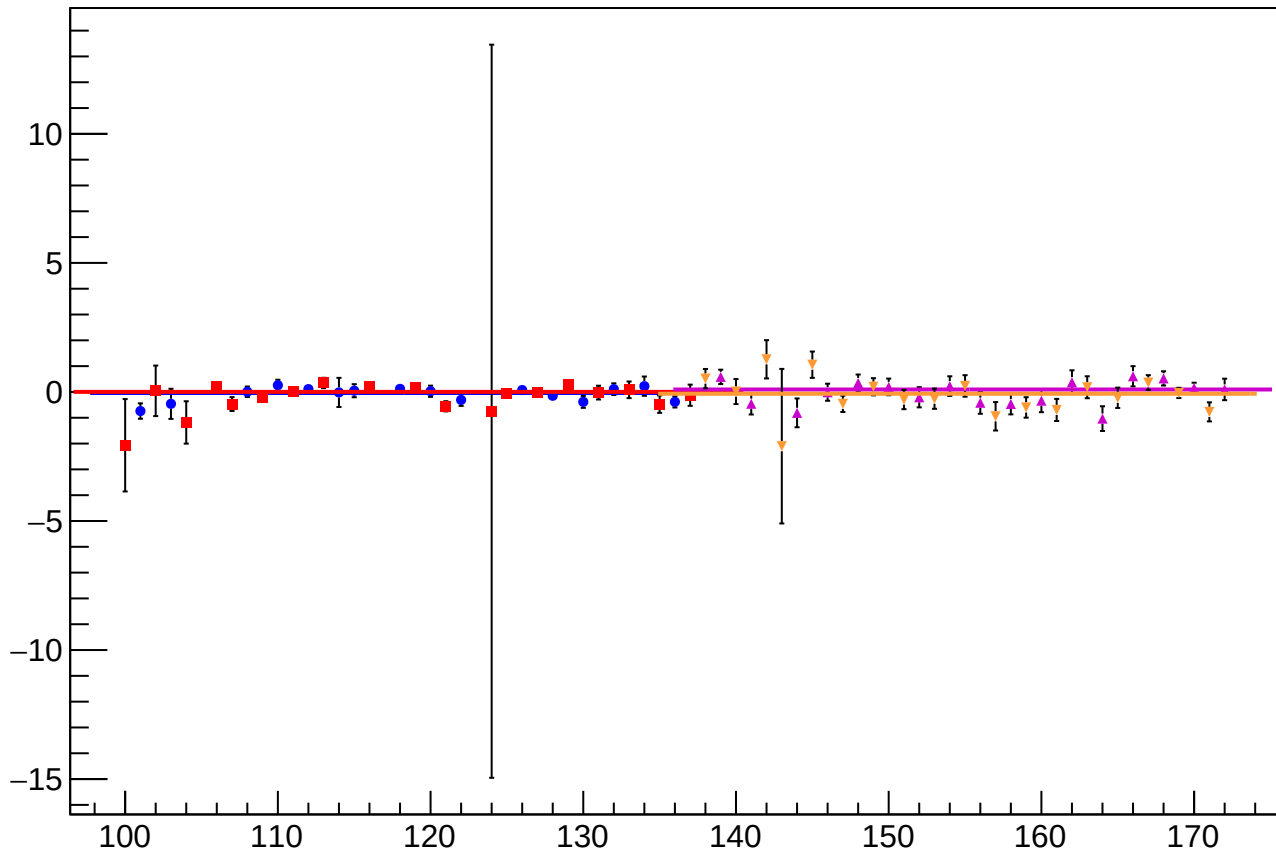
Left In: 0.000+/-0.000 χ^2/NDF : 1360082.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 9269726.5/33

All: 0.000+/-0.000 χ^2/NDF : 15590164.1/69

- sign 0.000+/-0.000 χ^2/NDF : 3559008.8/35

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

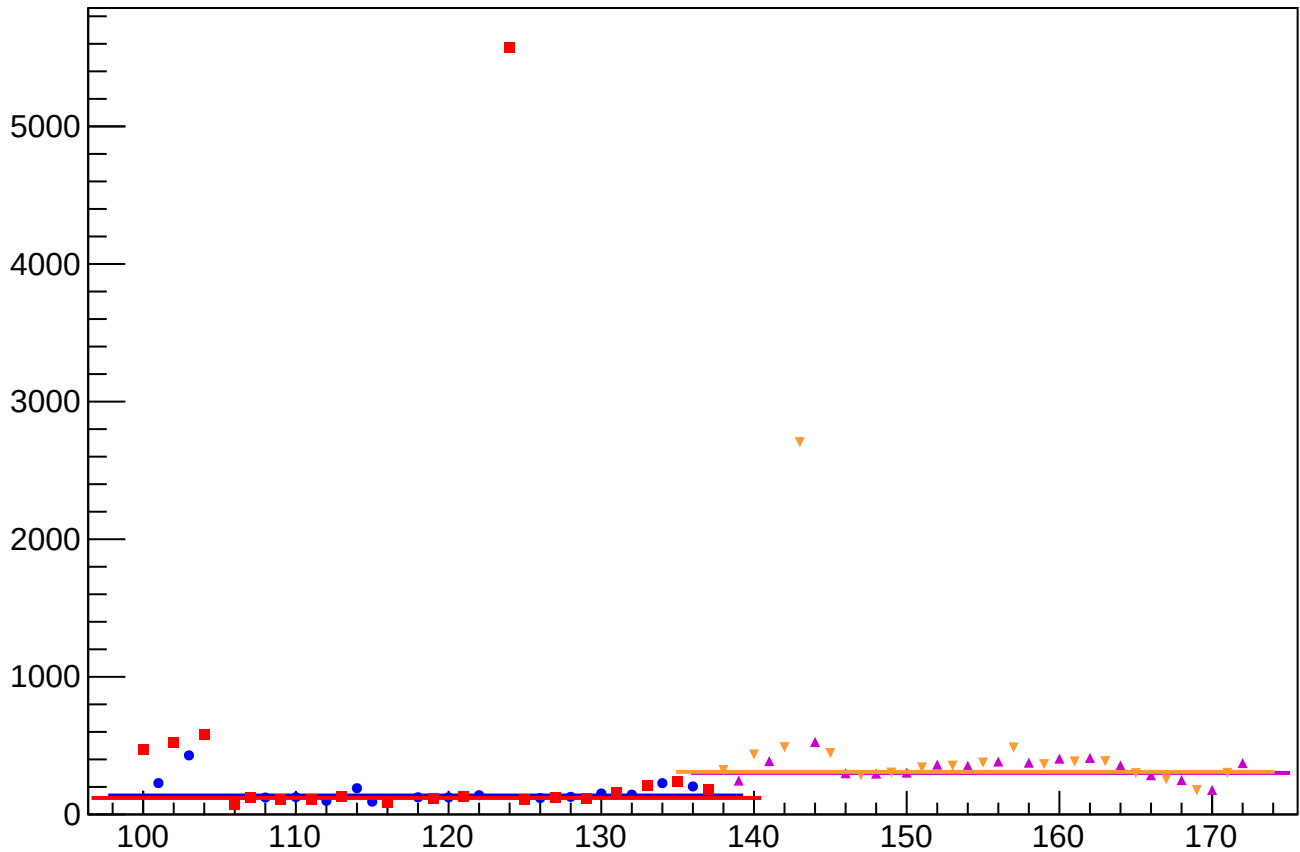
Left In: 0.095±/0.085 χ^2/NDF : 23.4/16

+ sign -0.048±/0.047 χ^2/NDF : 45.2/33

All: -0.007±/0.032 χ^2/NDF : 99.6/69

- sign 0.027±/0.044 χ^2/NDF : 53.0/35

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.399 $\pm$ 0.039 χ^2 /NDF: 1268257.0/15

Left Out: 309.556 $\pm$ 0.063 χ^2 /NDF: 3124618.9/17

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139894.0/18

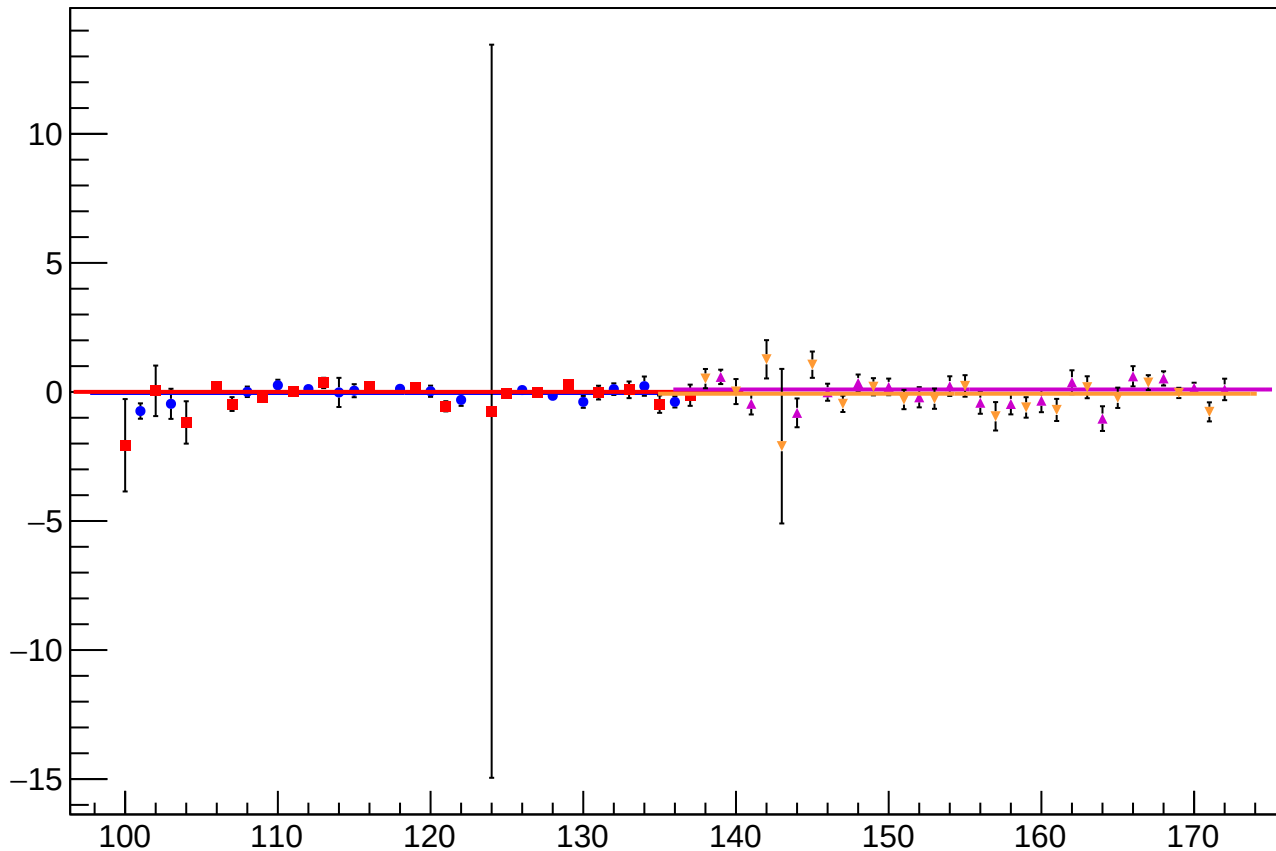
Left In: 301.717 $\pm$ 0.060 χ^2 /NDF: 1848420.0/16

+ sign 186.313 $\pm$ 0.033 χ^2 /NDF: 9797812.5/33

All: 176.527 $\pm$ 0.023 χ^2 /NDF: 20693836.5/69

- sign 168.165 $\pm$ 0.031 χ^2 /NDF: 10736795.3/35

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

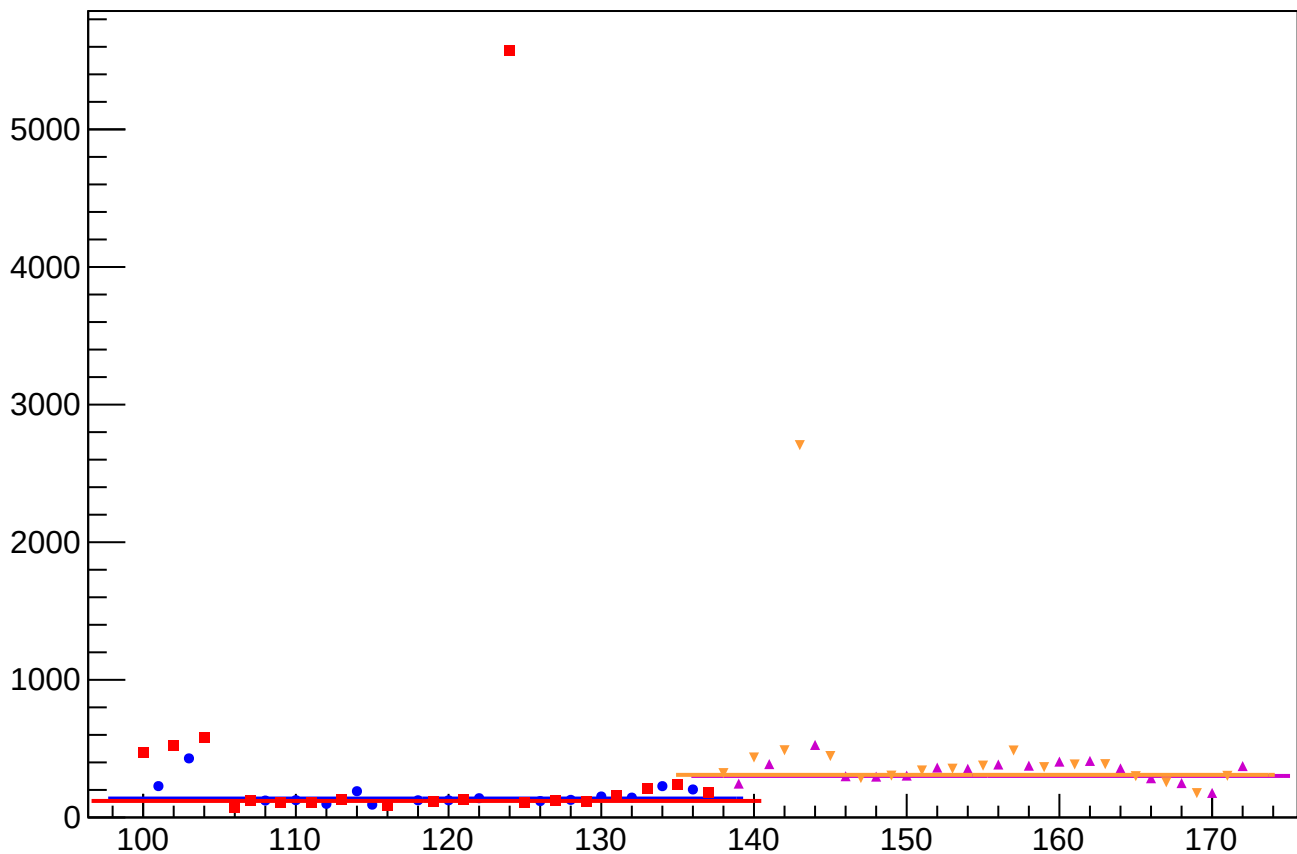
Left In: 0.095 ± 0.085 χ^2/NDF : 23.4/16

+ sign -0.048 ± 0.047 χ^2/NDF : 45.2/33

All: -0.007 ± 0.032 χ^2/NDF : 99.6/69

- sign 0.027 ± 0.044 χ^2/NDF : 53.0/35

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.399 $\pm$ 0.039 χ^2 /NDF: 1268257.0/15

Left Out: 309.556 $\pm$ 0.063 χ^2 /NDF: 3124618.9/17

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139894.0/18

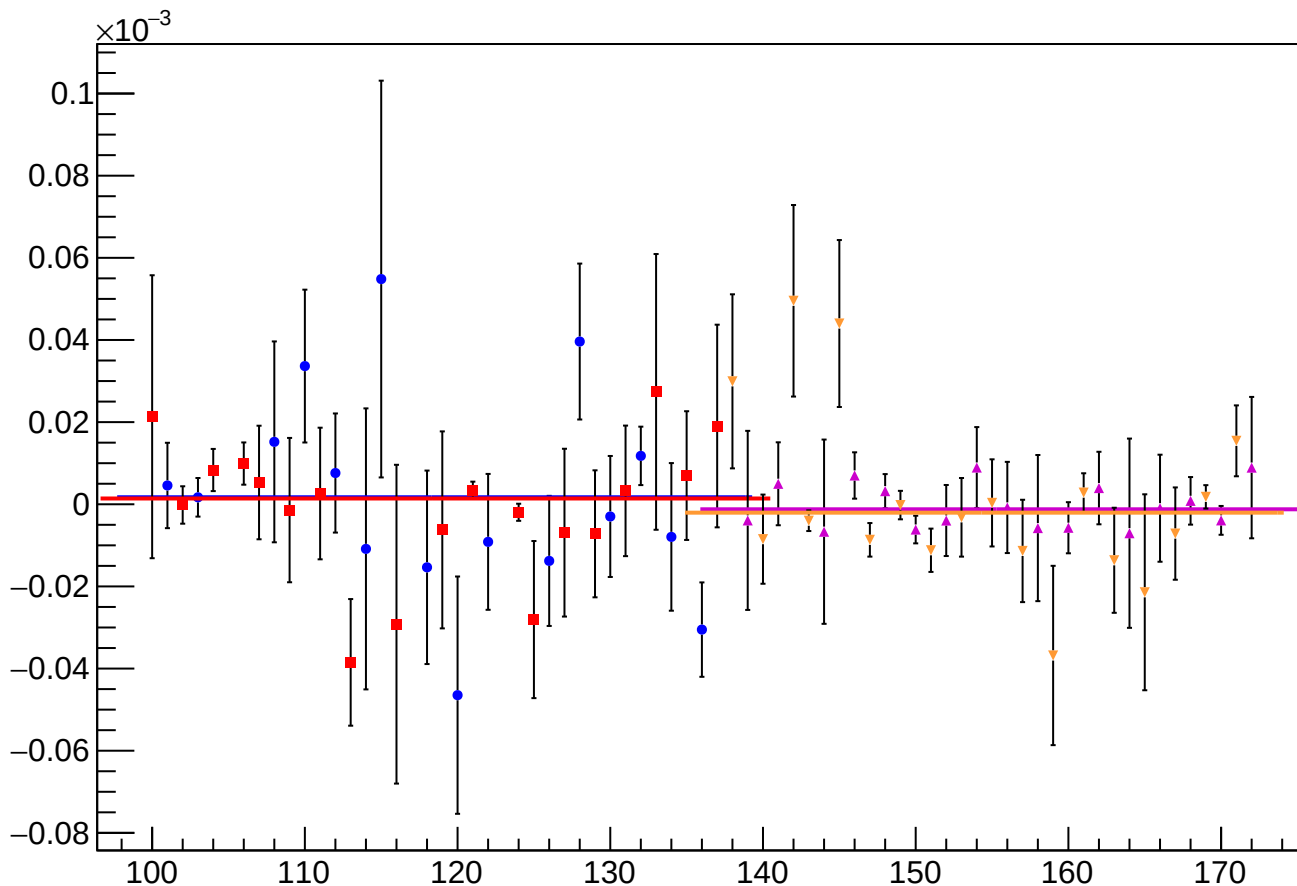
Left In: 301.717 $\pm$ 0.060 χ^2 /NDF: 1848420.0/16

+ sign 186.313 $\pm$ 0.033 χ^2 /NDF: 9797812.5/33

All: 176.527 $\pm$ 0.023 χ^2 /NDF: 20693836.5/69

- sign 168.165 $\pm$ 0.031 χ^2 /NDF: 10736795.3/35

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

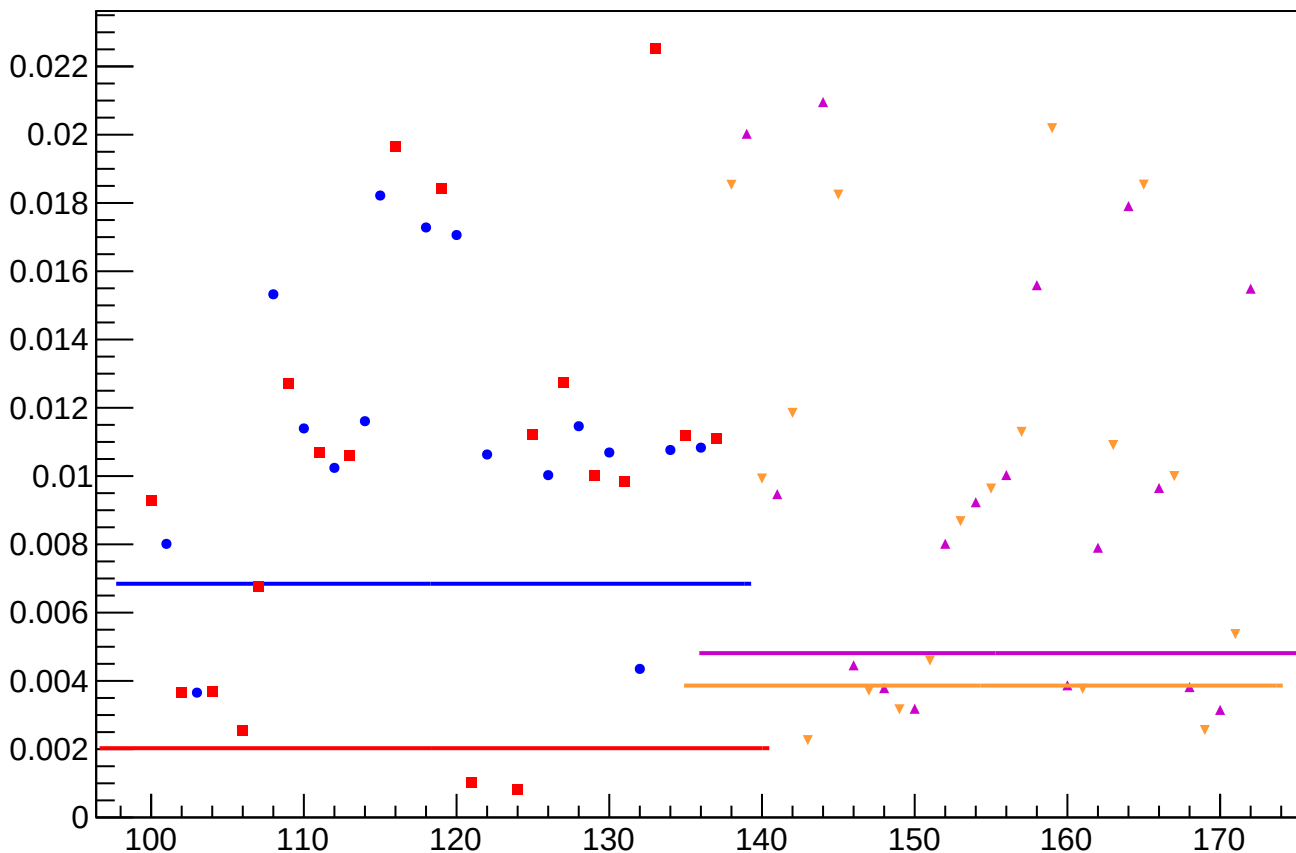
Left In: -0.000 ± 0.000 χ^2/NDF : 9.1/16

+ sign -0.000 ± 0.000 χ^2/NDF : 56.1/33

All: -0.000 ± 0.000 χ^2/NDF : 88.5/69

- sign 0.000 ± 0.000 χ^2/NDF : 31.0/35

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 3230112.6/15

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 9116355.5/17

Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 9007527.0/18

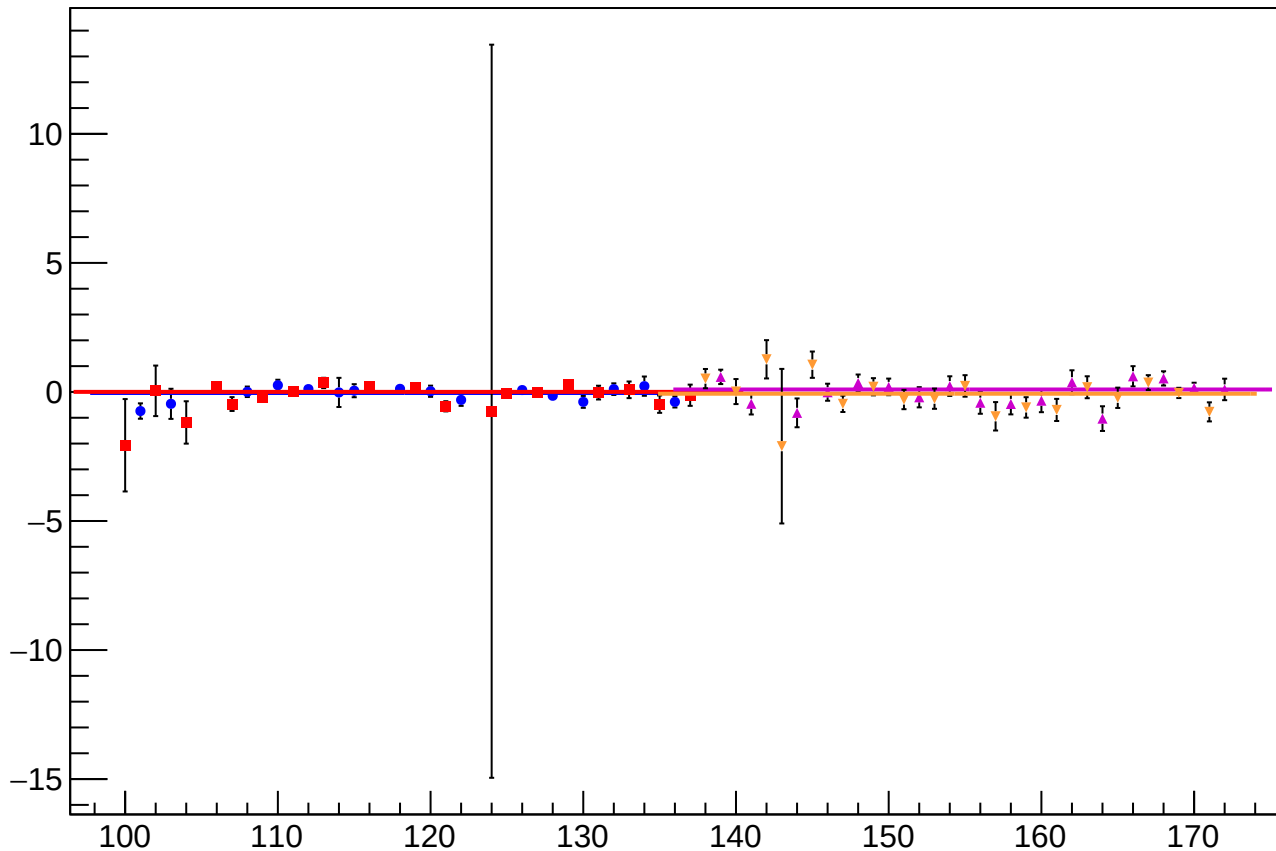
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 7377533.5/16

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 14035650.4/33

All: 0.004 $\pm$ 0.000 χ^2/NDF : 35473744.4/69

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 20114322.5/35

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

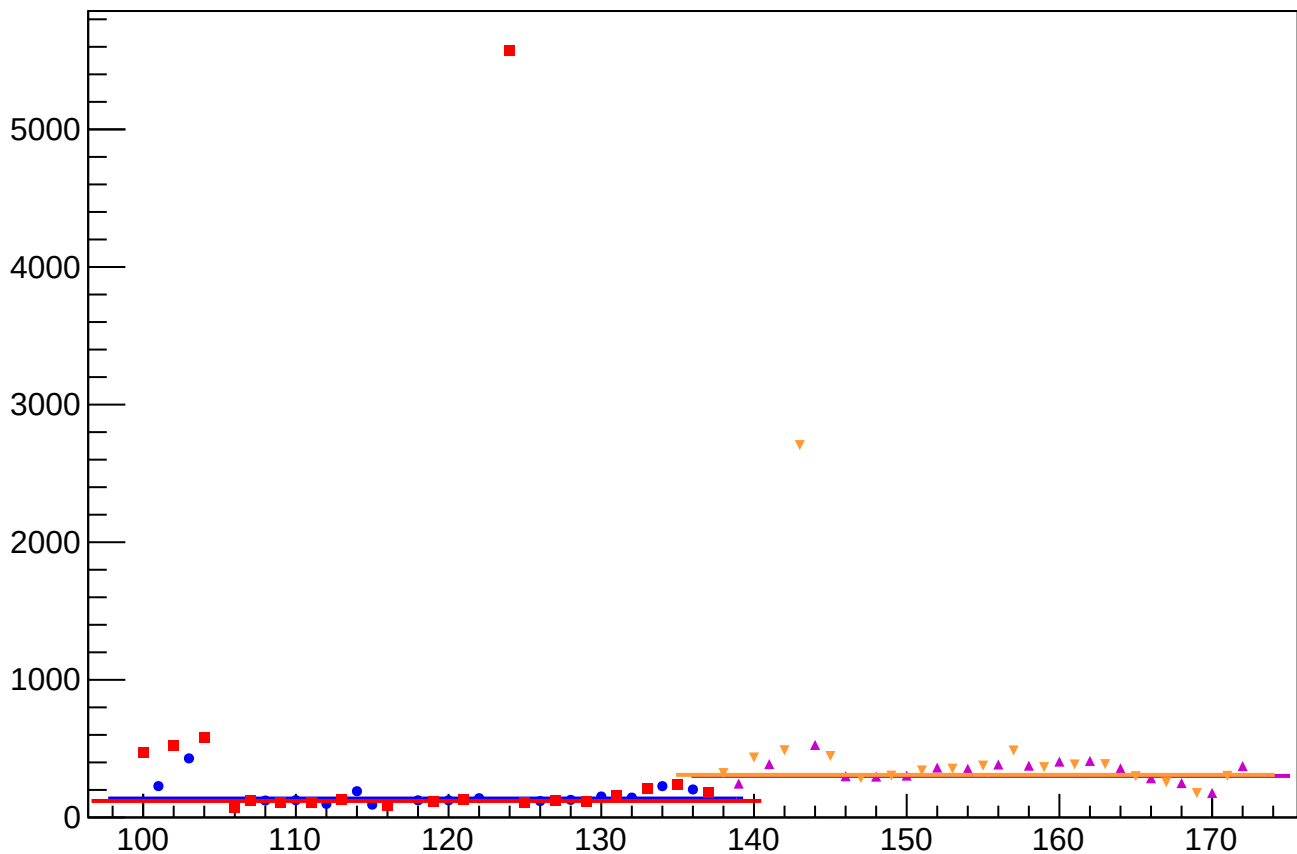
Left In: 0.095 ± 0.085 χ^2/NDF : 23.4/16

+ sign -0.048 ± 0.047 χ^2/NDF : 45.2/33

All: -0.007 ± 0.032 χ^2/NDF : 99.6/69

- sign 0.027 ± 0.044 χ^2/NDF : 53.0/35

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.400+/-0.039 χ^2/NDF : 1268197.9/15

Left Out: 309.559+/-0.063 χ^2/NDF : 3124688.4/17

Right Out: 120.006+/-0.036 χ^2/NDF : 2139820.8/18

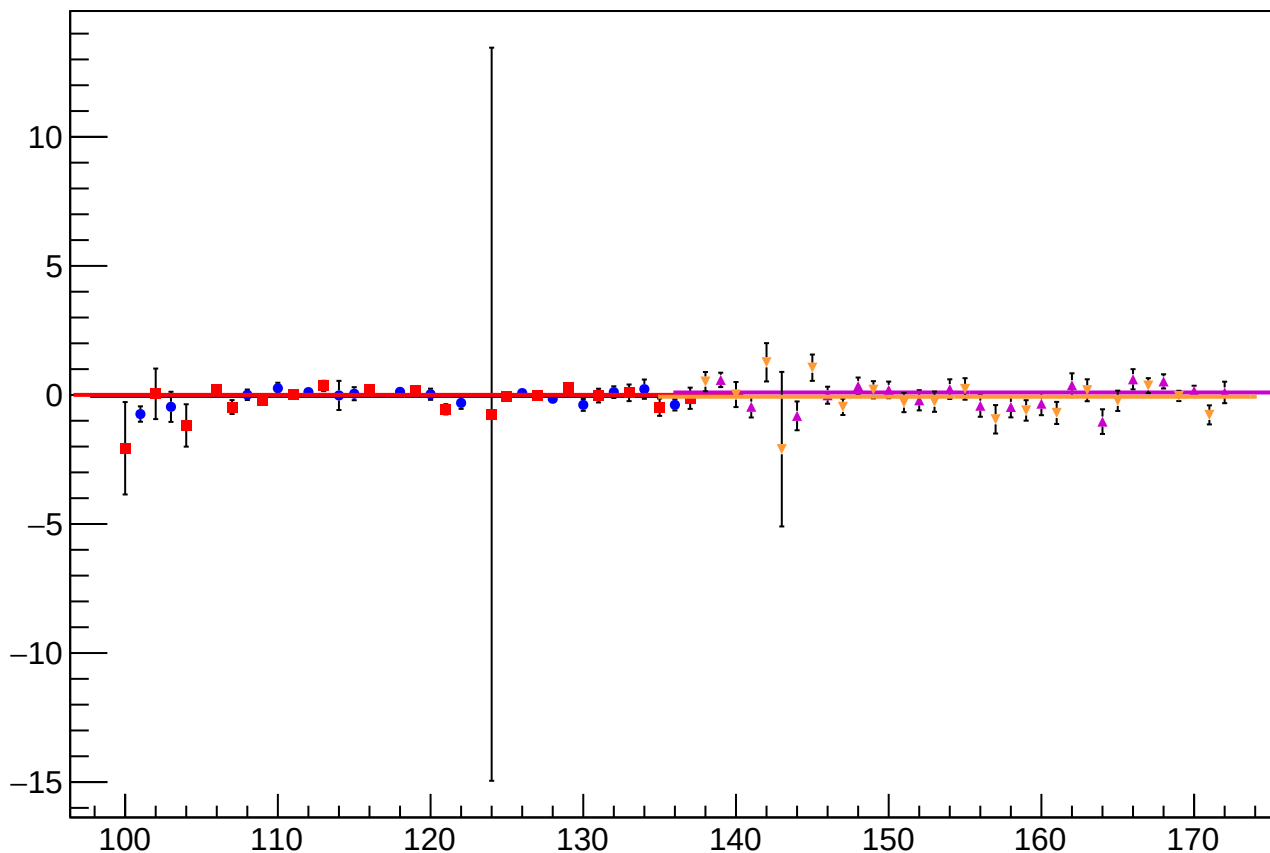
Left In: 301.720+/-0.060 χ^2/NDF : 1848424.9/16

+ sign 186.314+/-0.033 χ^2/NDF : 9797842.5/33

All: 176.527+/-0.023 χ^2/NDF : 20693946.6/69

- sign 168.165+/-0.031 χ^2/NDF : 10736856.5/35

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

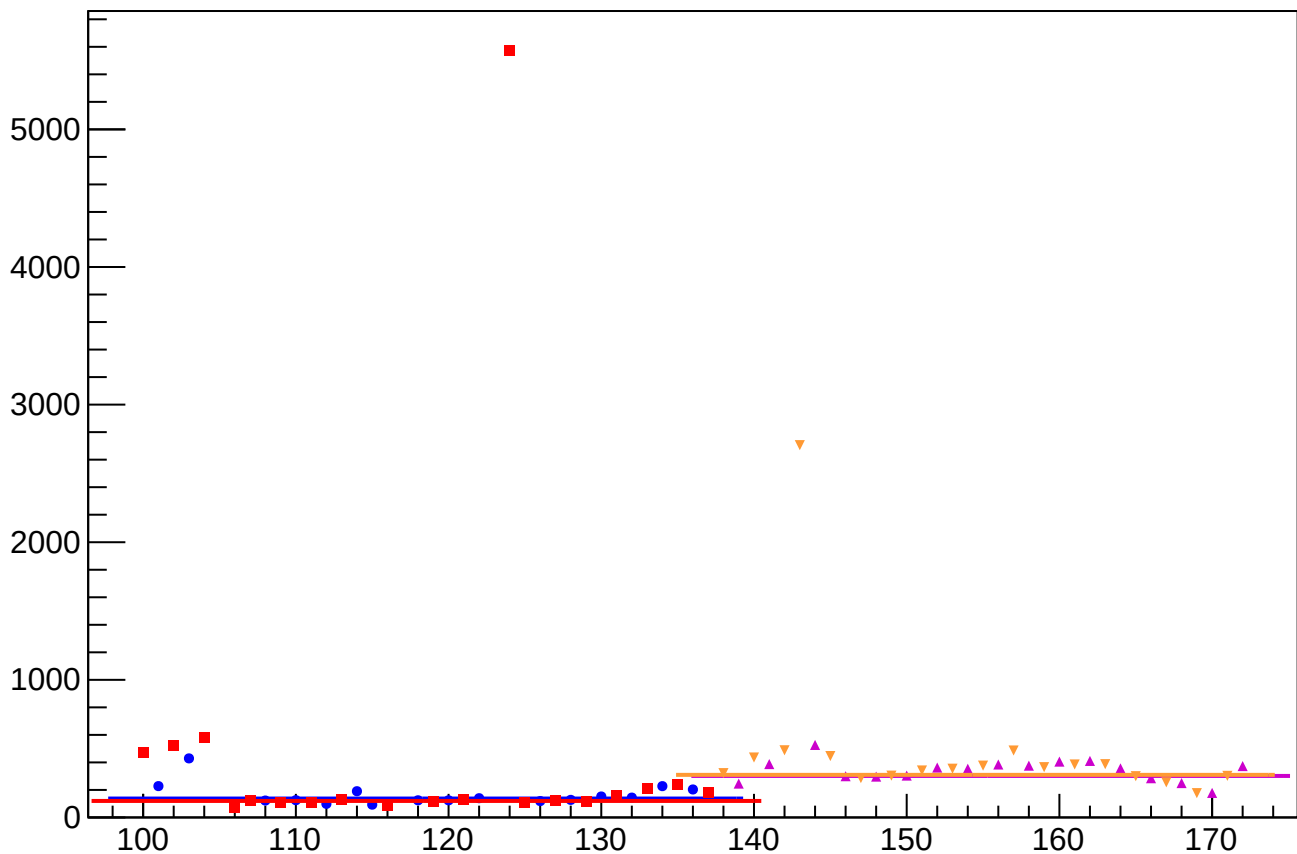
Left In: 0.095 ± 0.085 χ^2/NDF : 23.4/16

+ sign -0.048 ± 0.047 χ^2/NDF : 45.2/33

All: -0.007 ± 0.032 χ^2/NDF : 99.6/69

- sign 0.027 ± 0.044 χ^2/NDF : 53.0/35

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.400 $\pm$ 0.039 χ^2 /NDF: 1268197.9/15

Left Out: 309.559 $\pm$ 0.063 χ^2 /NDF: 3124688.4/17

Right Out: 120.006 $\pm$ 0.036 χ^2 /NDF: 2139820.8/18

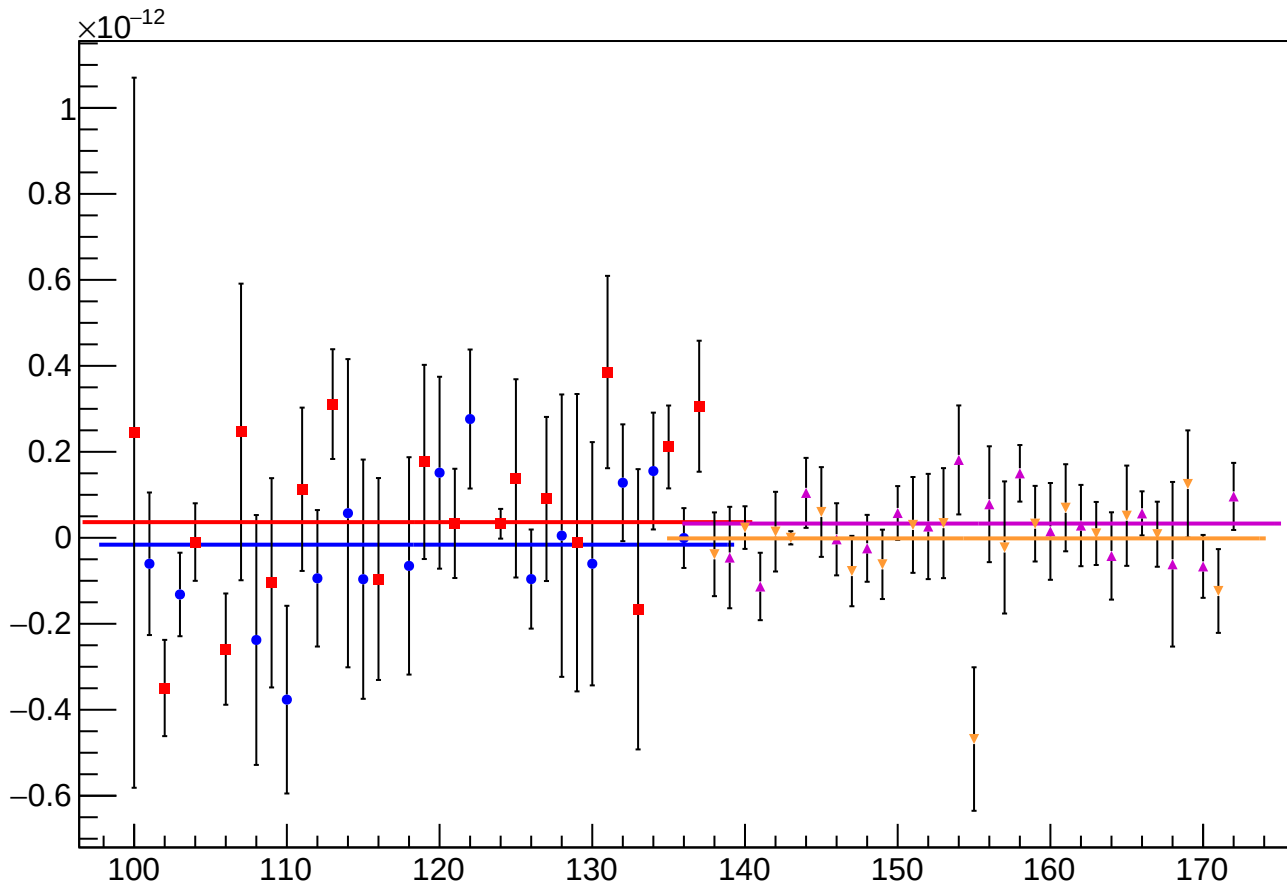
Left In: 301.720 $\pm$ 0.060 χ^2 /NDF: 1848424.9/16

+ sign 186.314 $\pm$ 0.033 χ^2 /NDF: 9797842.5/33

All: 176.527 $\pm$ 0.023 χ^2 /NDF: 20693946.6/69

- sign 168.165 $\pm$ 0.031 χ^2 /NDF: 10736856.5/35

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

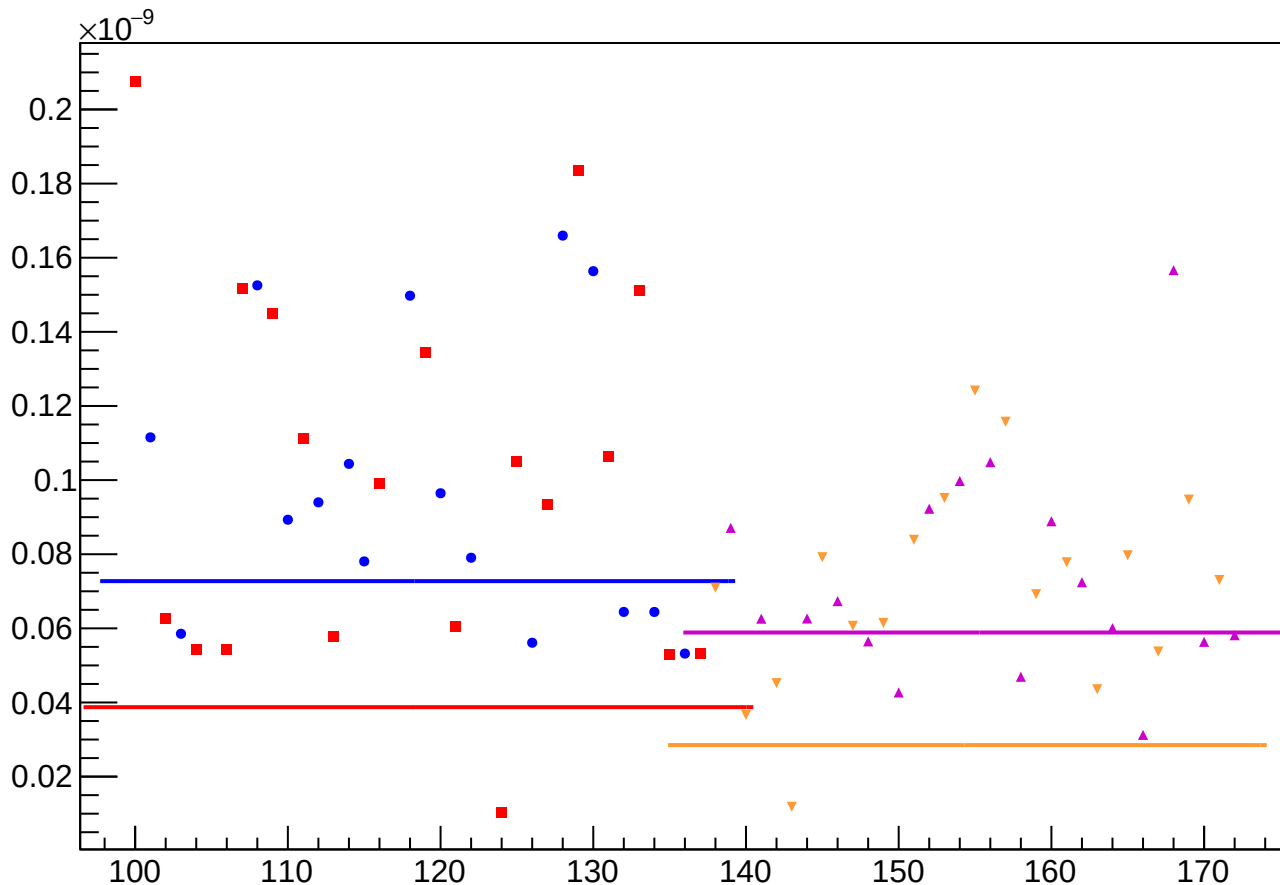
Left In: 0.000+/-0.000 χ^2/NDF : 13.8/16

+ sign -0.000+/-0.000 χ^2/NDF : 26.1/33

All: 0.000+/-0.000 χ^2/NDF : 76.6/69

- sign 0.000+/-0.000 χ^2/NDF : 46.9/35

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 8855545.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 4266020.5/18

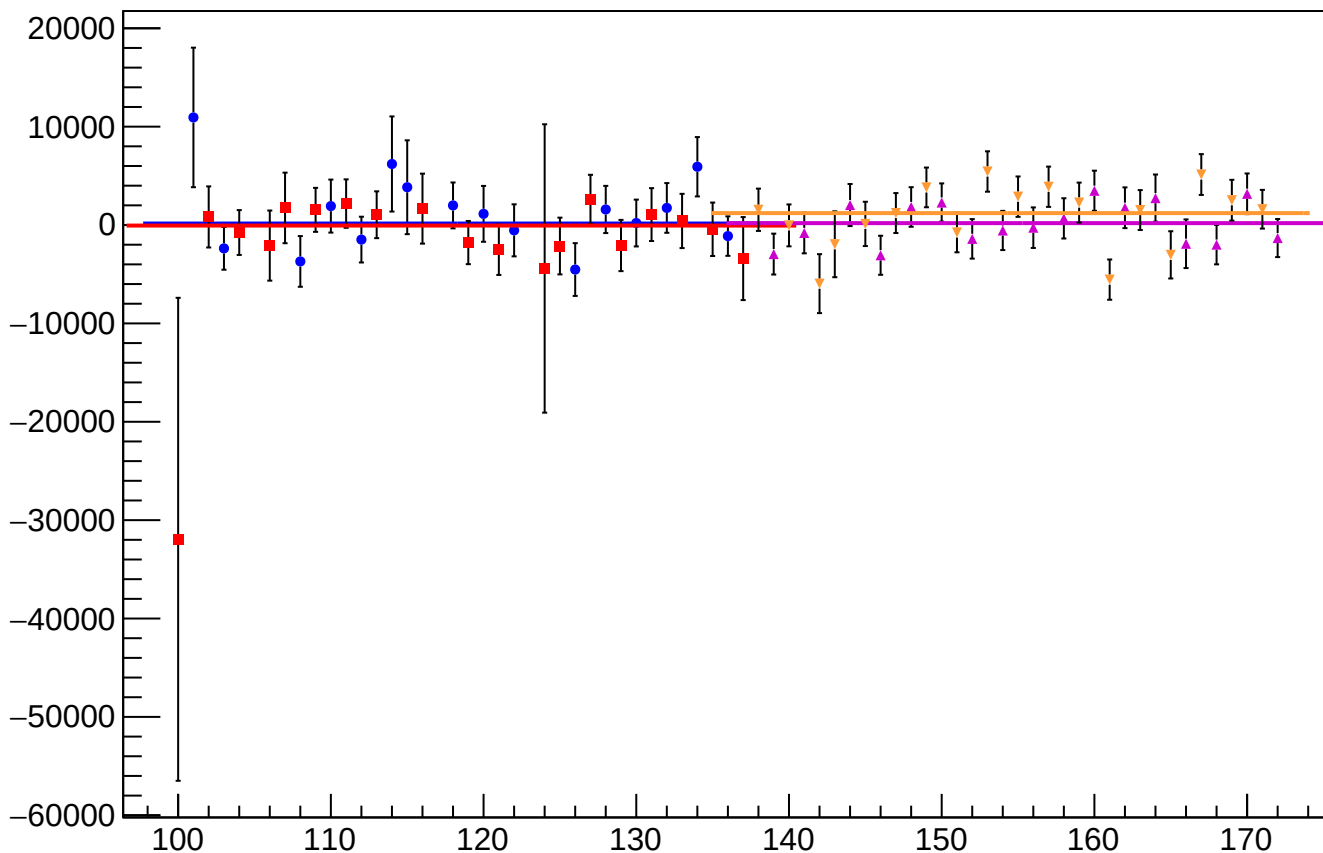
Left In: 0.000+/-0.000 χ^2/NDF : 2222964.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 12515863.4/33

All: 0.000+/-0.000 χ^2/NDF : 21394685.1/69

- sign 0.000+/-0.000 χ^2/NDF : 7253640.9/35

reg_asym_atr1l2_dd_mean vs Slug



Right In: 150.722 $\pm$ 667.029 χ^2 /NDF: 17.7/15

Left Out: 1211.859 $\pm$ 506.165 χ^2 /NDF:34.8/17

Right Out: -54.106 $\pm$ 655.266 χ^2 /NDF: 9.0/18

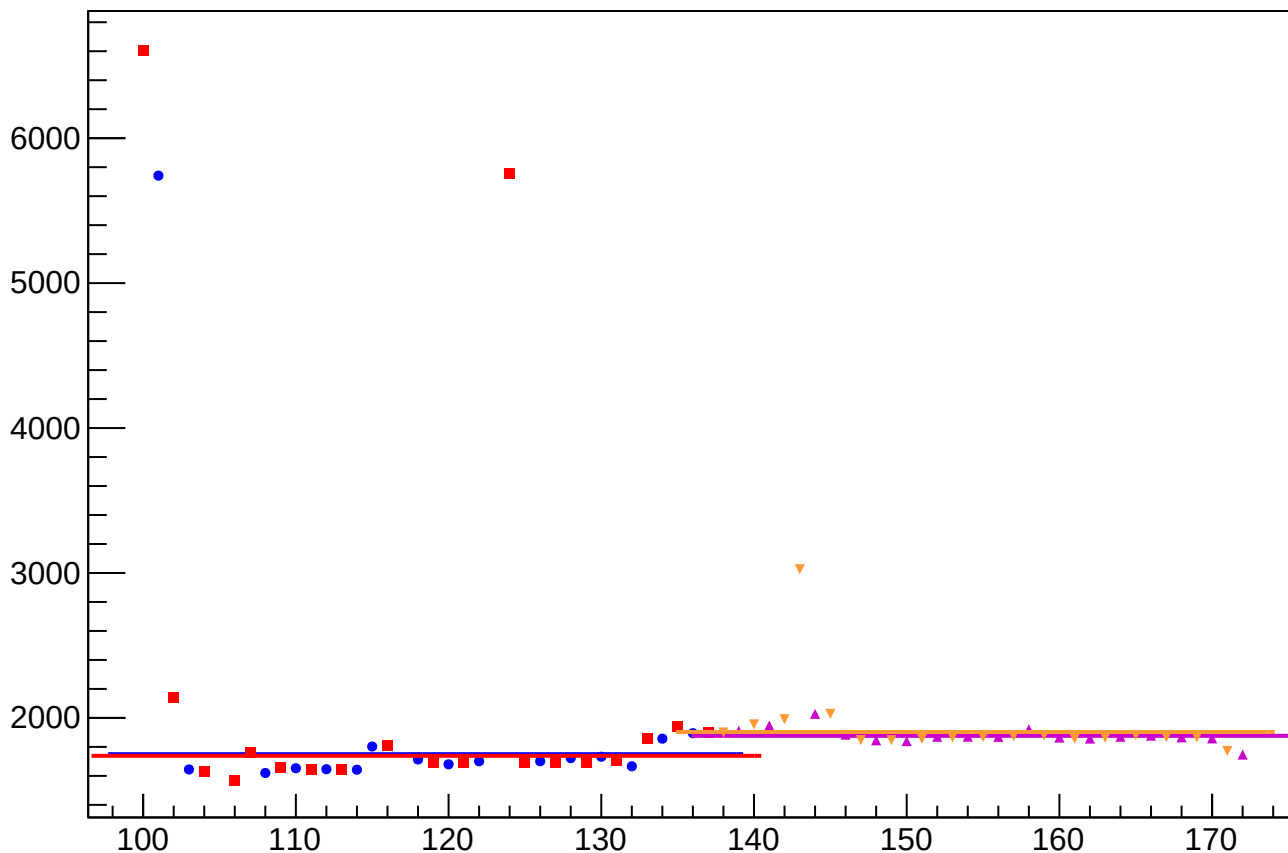
Left In: 192.794 $\pm$ 501.080 χ^2 /NDF:17.6/16

+ sign 824.104 $\pm$ 403.216 χ^2 /NDF: 54.1/33

All: 458.230 $\pm$ 283.268 χ^2 /NDF: 82.4/69

- sign 101.690 $\pm$ 398.039 χ^2 /NDF: 26.6/35

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

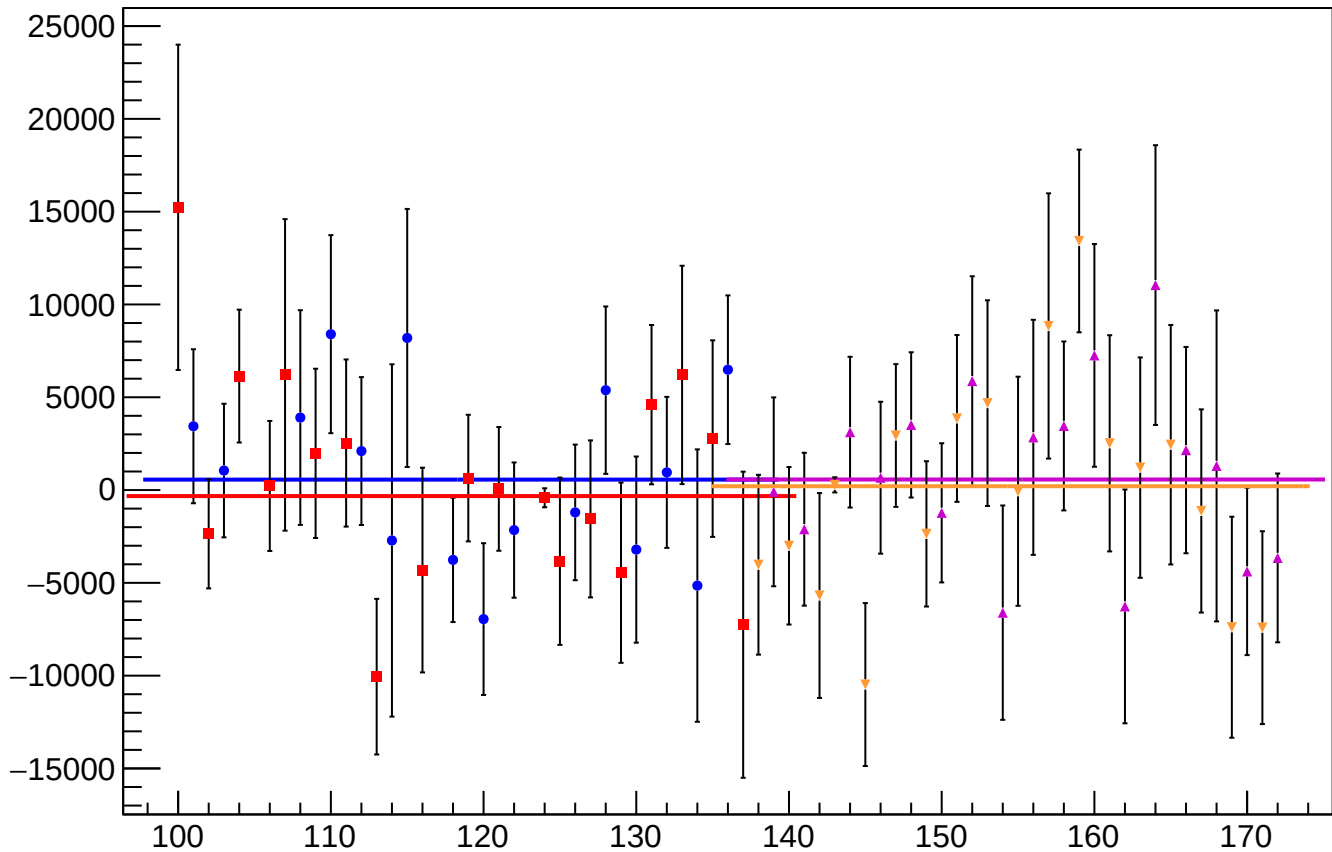
Left In: 1876.348+/-0.354 χ^2/NDF : 24603.4/16

+ sign 1846.960+/-0.285 χ^2/NDF : 988623.8/33

All: 1835.812+/-0.200 χ^2/NDF : 1377107.3/69

- sign 1825.007+/-0.281 χ^2/NDF : 385473.0/35

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 562.339 $\pm$ 1101.163 χ^2 /NDF: 14.8/15

Left Out: 206.488 $\pm$ 388.059 χ^2 /NDF: 23.5/17

Right Out: -325.567 $\pm$ 457.948 χ^2 /NDF: 19.2/18

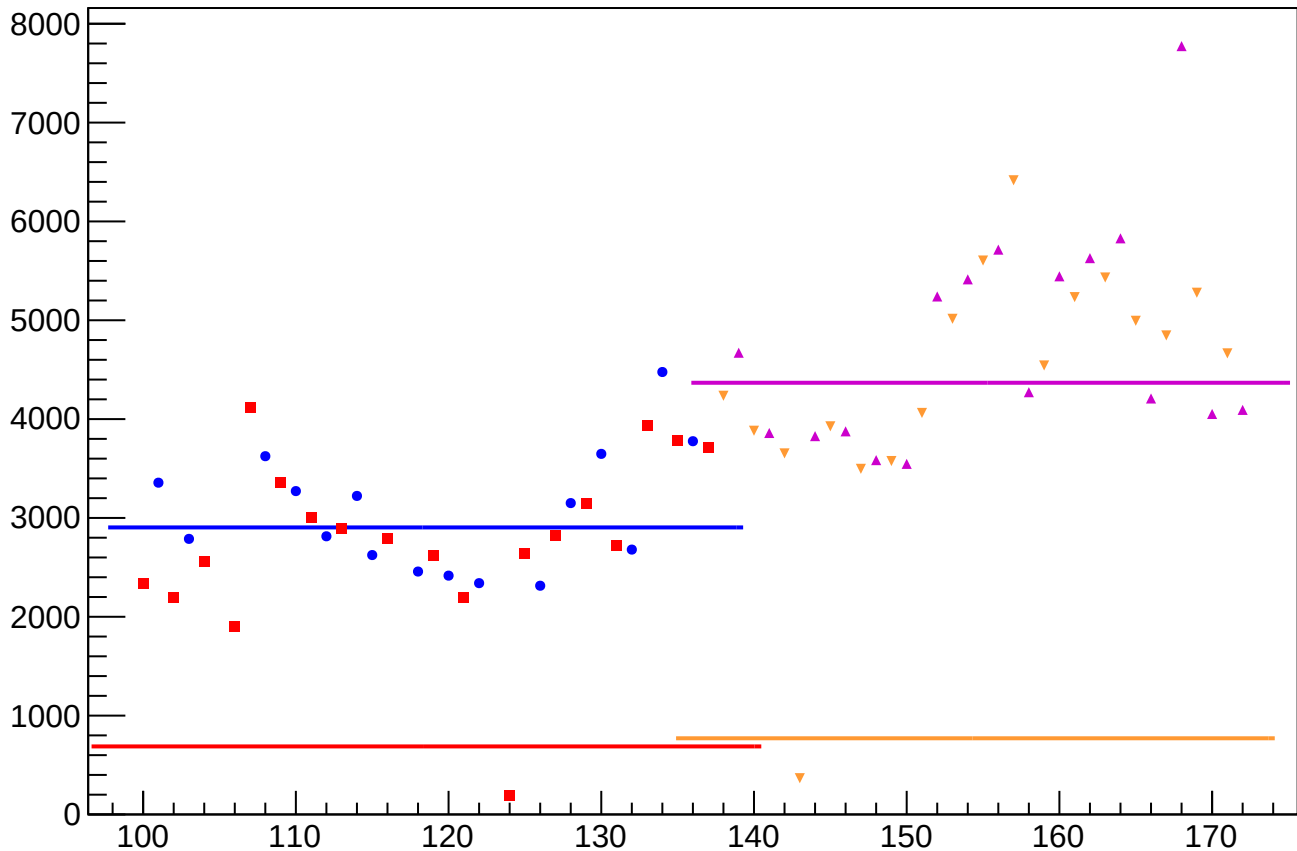
Left In: 568.957 $\pm$ 1192.114 χ^2 /NDF: 11.1/16

+ sign 245.800 $\pm$ 365.997 χ^2 /NDF: 38.4/33

All: 52.785 $\pm$ 278.022 χ^2 /NDF: 69.9/69

- sign -210.537 $\pm$ 427.491 χ^2 /NDF: 30.8/35

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

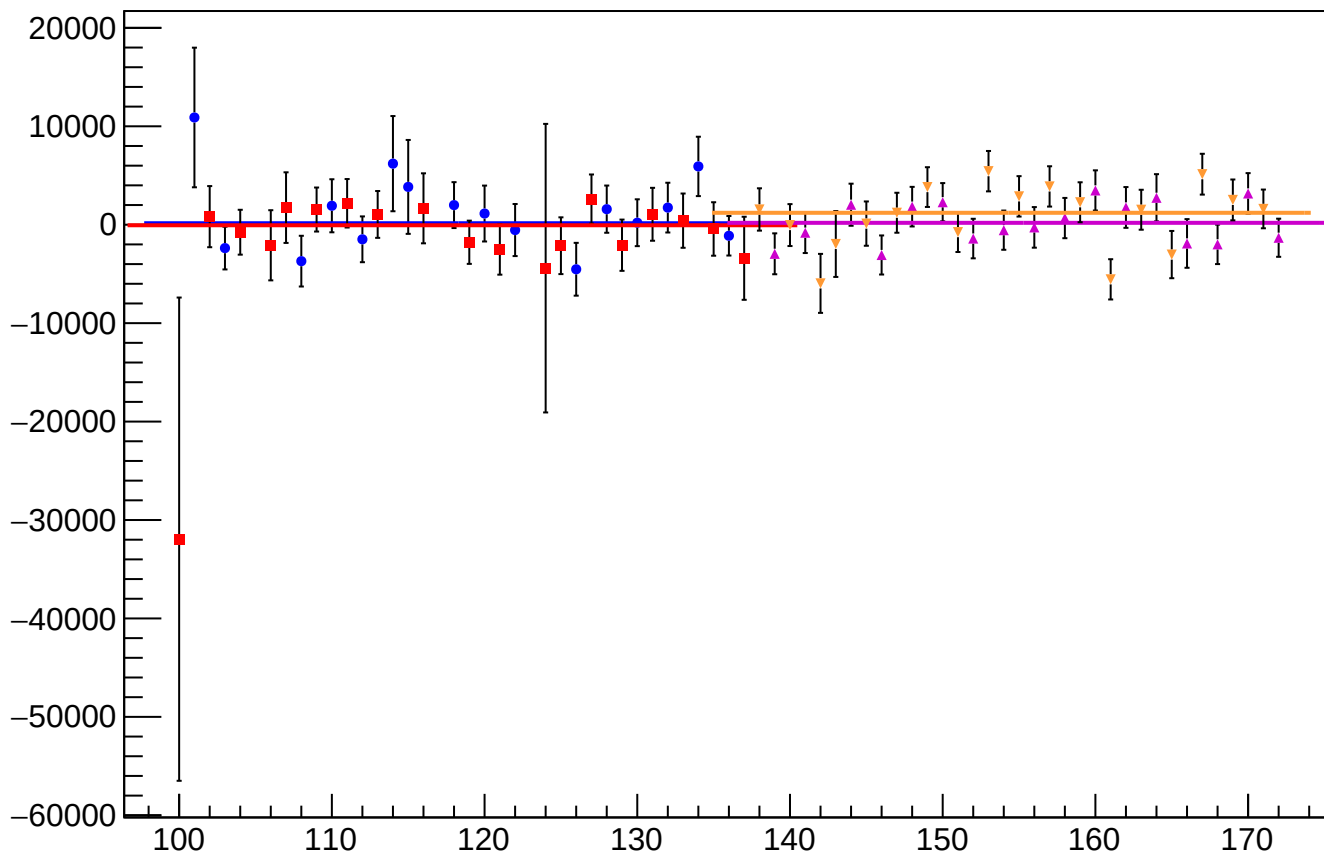
Left In: 4367.693+/-0.843 χ^2/NDF : 1051408.6/16

+ sign 1006.341+/-0.259 χ^2/NDF : 27357118.7/33

All: 1071.951+/-0.197 χ^2/NDF : 55311500.3/6

- sign 1161.461+/-0.302 χ^2/NDF : 27802426.0/35

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

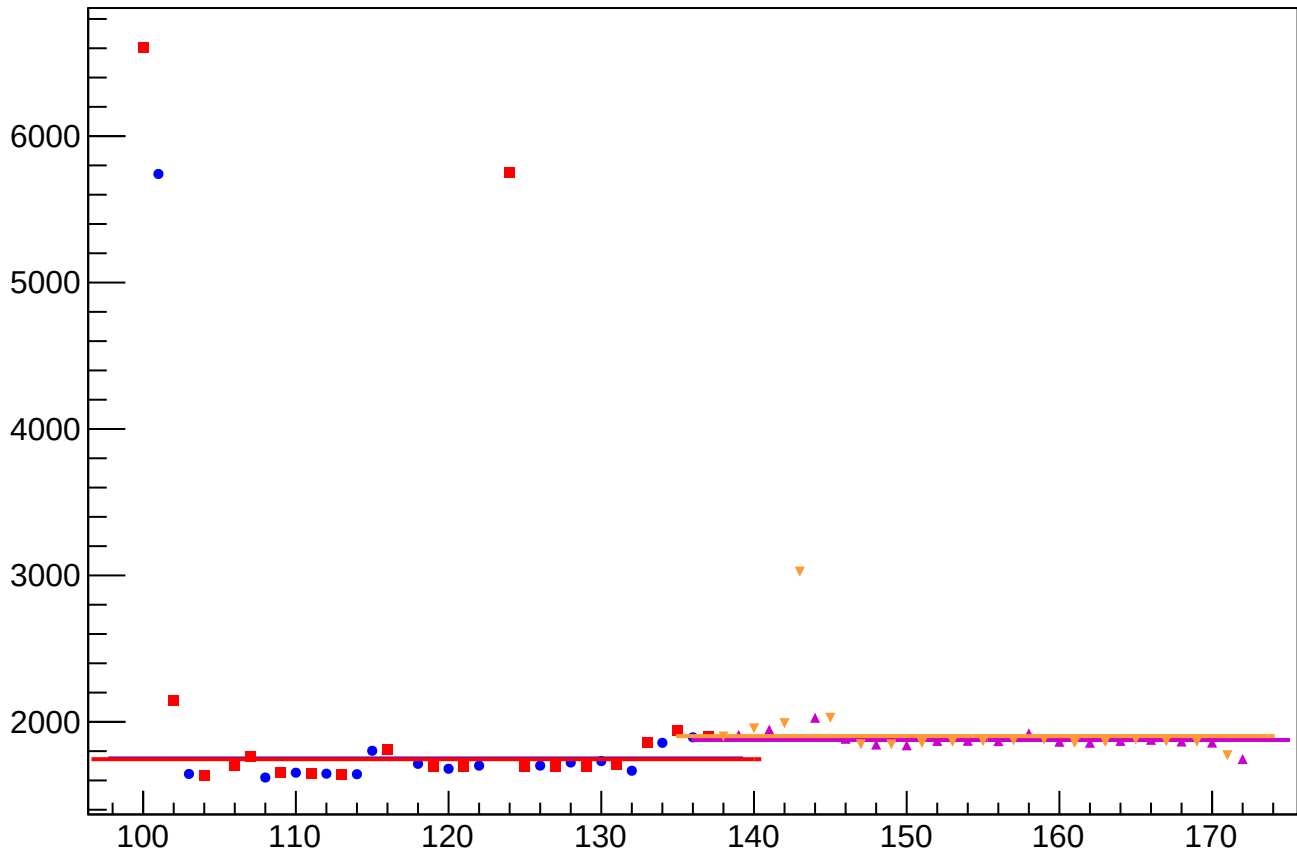
Left In: 192.794+/-501.080 χ^2/NDF : 17.6/16

+ sign 823.911+/-403.216 χ^2/NDF : 54.1/33

All: 458.125+/-283.268 χ^2/NDF : 82.3/69

- sign 101.671+/-398.039 χ^2/NDF : 26.6/35

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864 $\pm$ 0.472 χ^2 /NDF: 669576.1/15

Left Out: 1902.871 $\pm$ 0.358 χ^2 /NDF: 252267.4/17

Right Out: 1745.188 $\pm$ 0.462 χ^2 /NDF: 297979.0/18

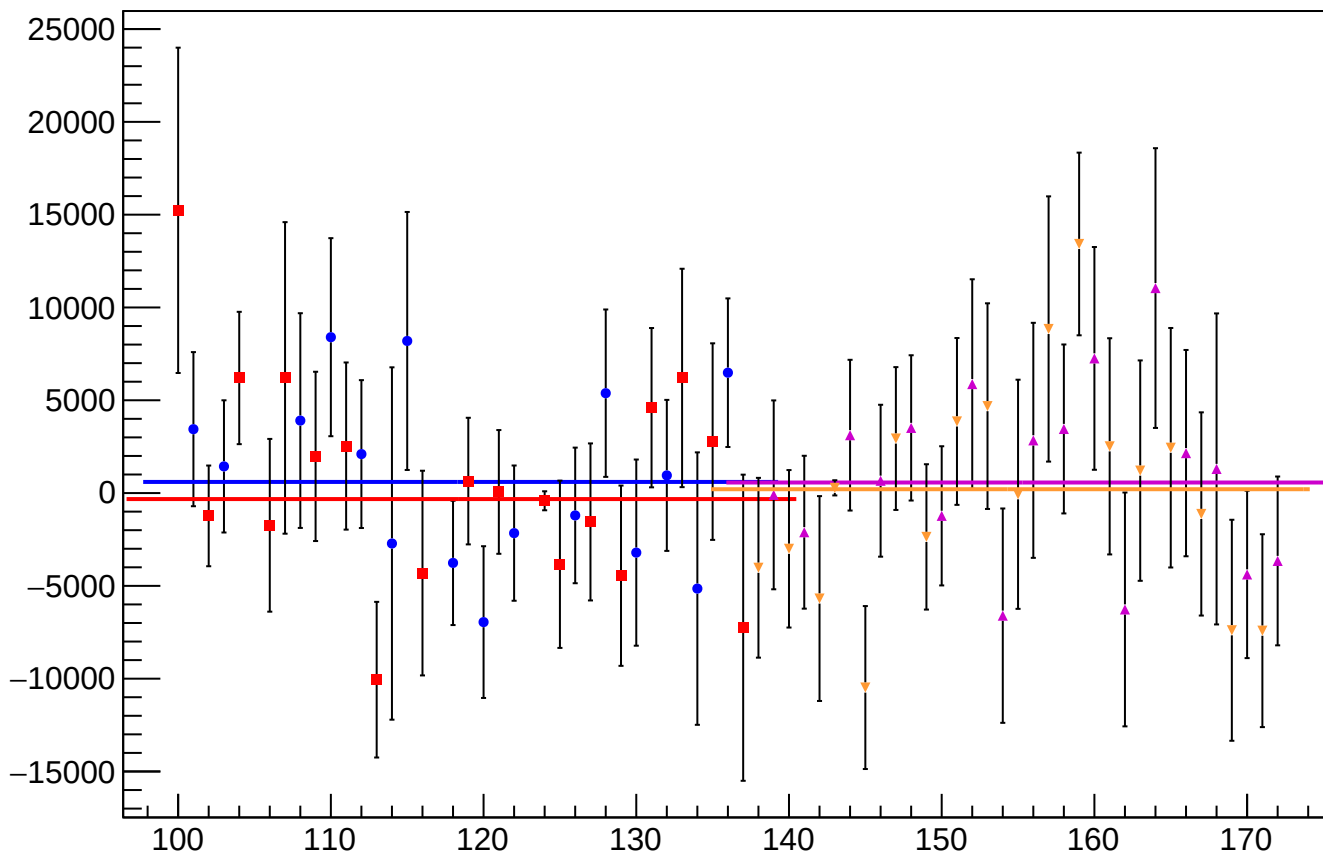
Left In: 1876.348 $\pm$ 0.354 χ^2 /NDF: 24603.4/16

+ sign 1846.960 $\pm$ 0.285 χ^2 /NDF: 988624.3/33

All: 1837.203 $\pm$ 0.200 χ^2 /NDF: 1364317.4/69

- sign 1827.722 $\pm$ 0.281 χ^2 /NDF: 373384.4/35

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

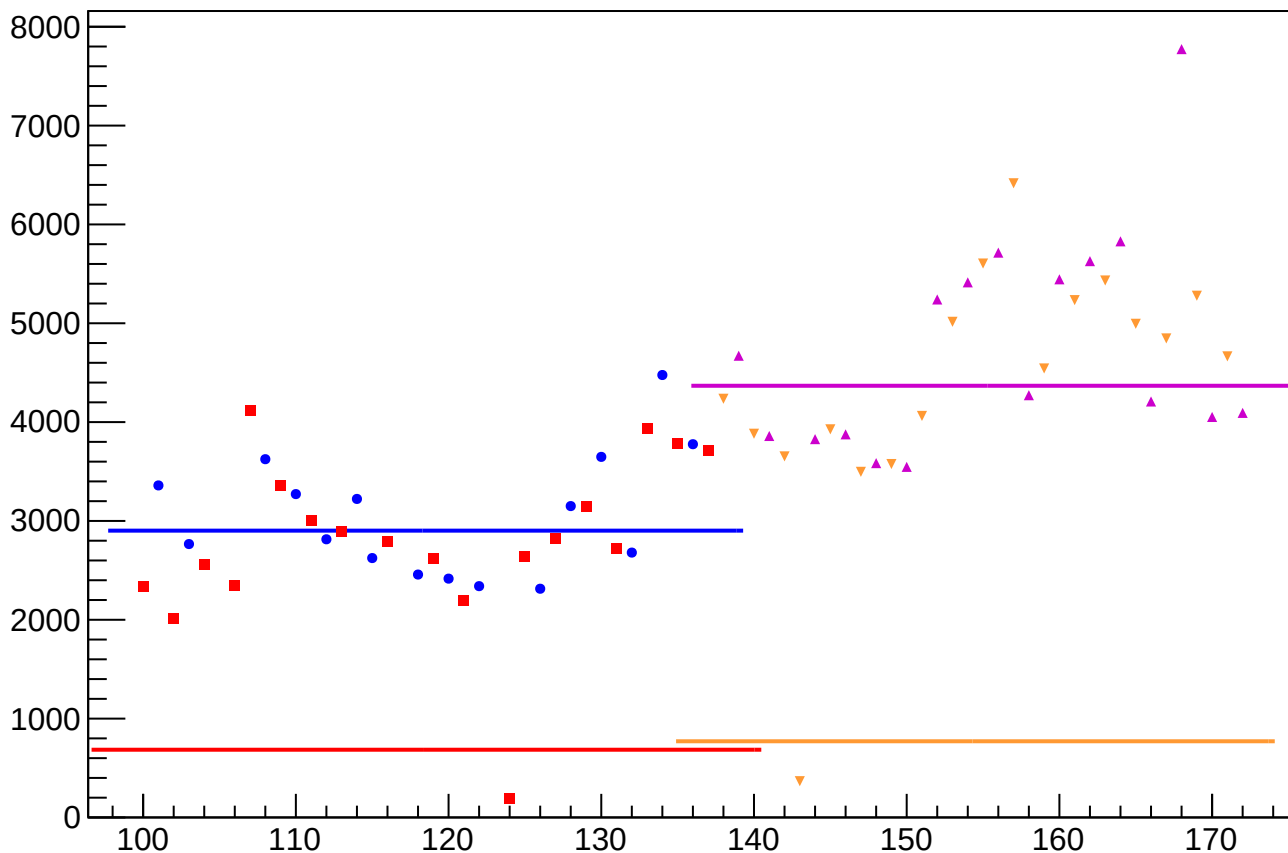
Left In: 568.984 ± 1192.112 χ^2/NDF : 11.1/16

+ sign 250.891 ± 365.985 χ^2/NDF : 38.5/33

All: 57.176 ± 278.221 χ^2/NDF : 69.7/69

- sign -208.040 ± 428.234 χ^2/NDF : 30.6/35

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

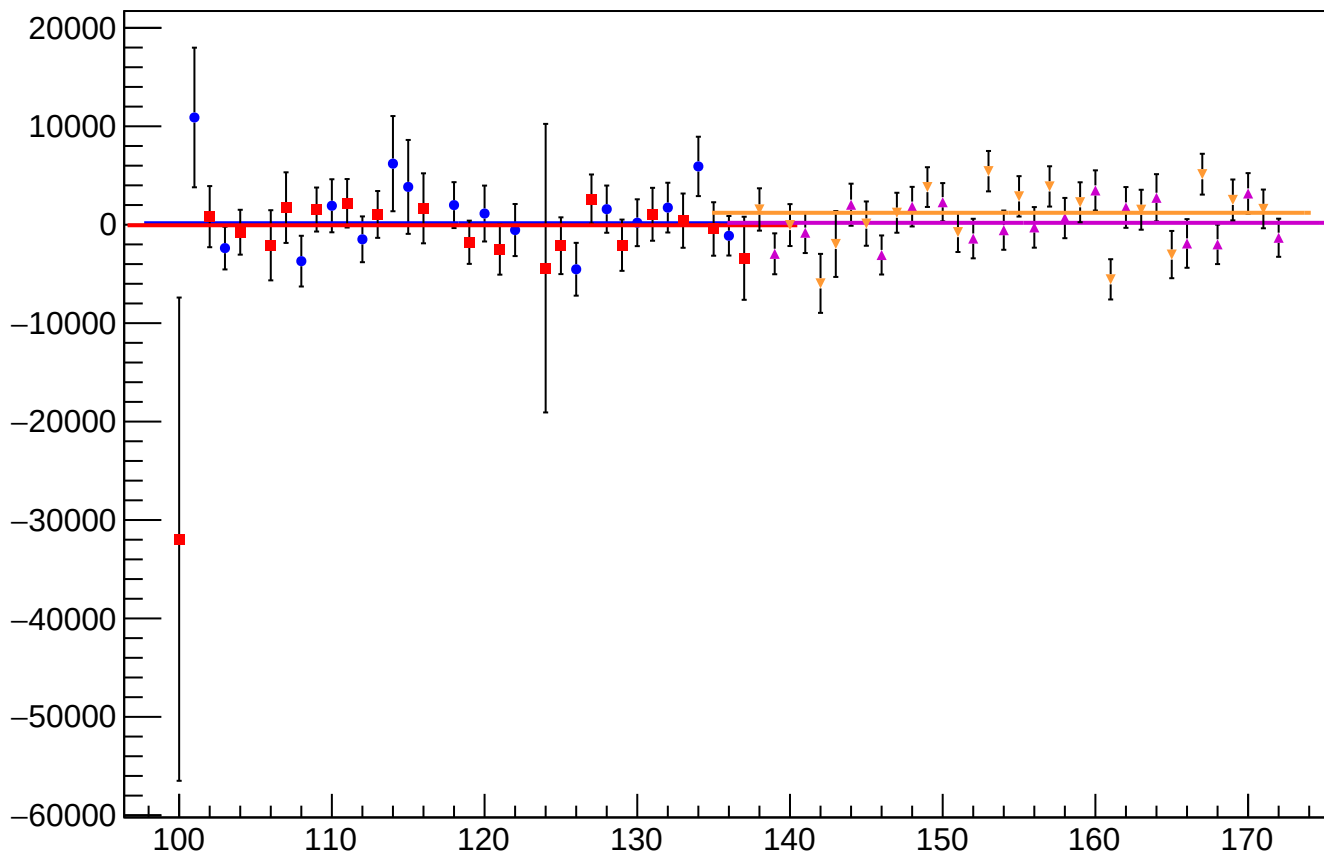
Left In: 4367.684+/-0.843 χ^2/NDF : 1051424.8/16

+ sign 1006.617+/-0.259 χ^2/NDF : 27354212.4/33

All: 1071.546+/-0.197 χ^2/NDF : 55281745.1/6

- sign 1160.442+/-0.303 χ^2/NDF : 27778400.1/35

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

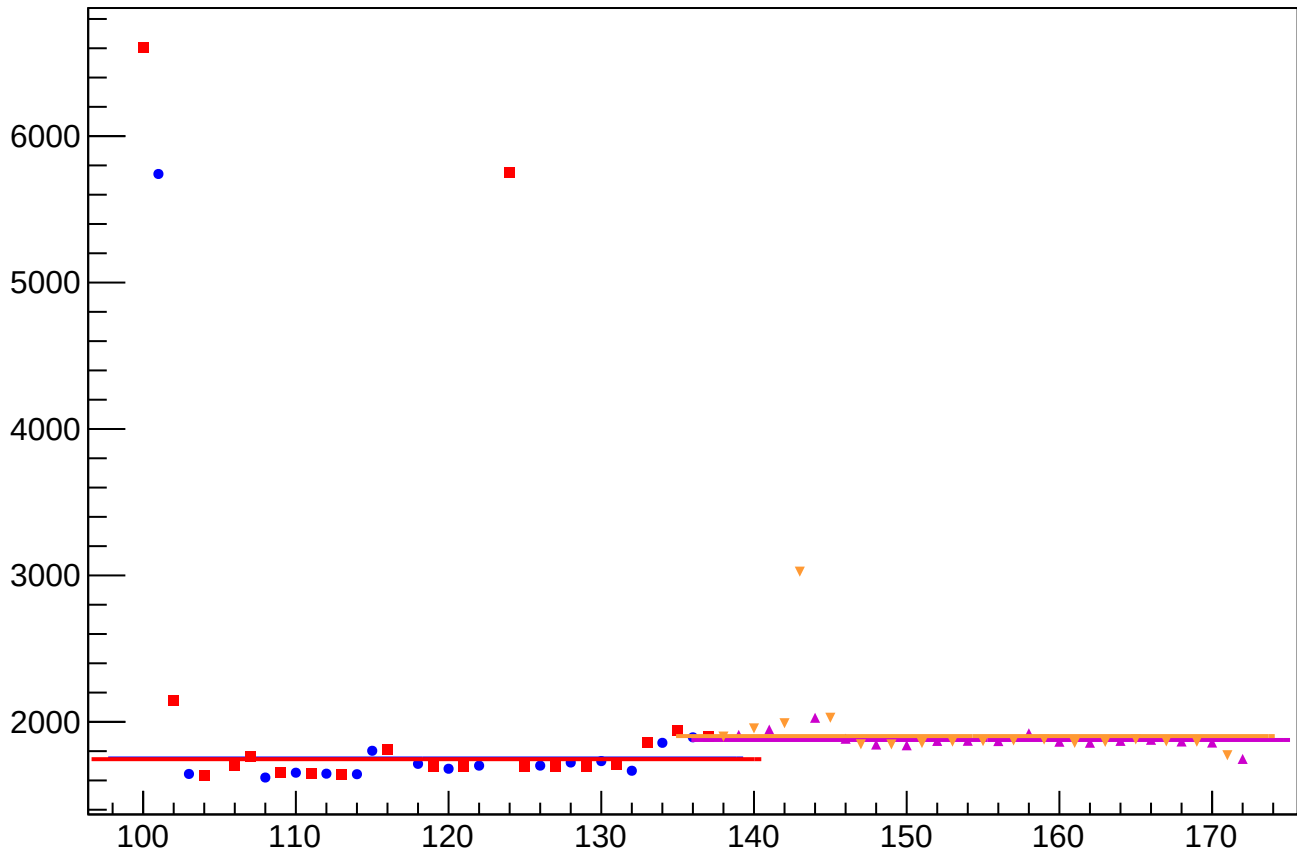
Left In: 192.794+/-501.080 χ^2/NDF : 17.6/16

+ sign 823.911+/-403.216 χ^2/NDF : 54.1/33

All: 458.125+/-283.268 χ^2/NDF : 82.3/69

- sign 101.671+/-398.039 χ^2/NDF : 26.6/35

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1749.864 $\pm$ 0.472 χ^2 /NDF: 669576.1/15

Left Out: 1902.871 $\pm$ 0.358 χ^2 /NDF: 252267.4/17

Right Out: 1745.188 $\pm$ 0.462 χ^2 /NDF: 297979.0/18

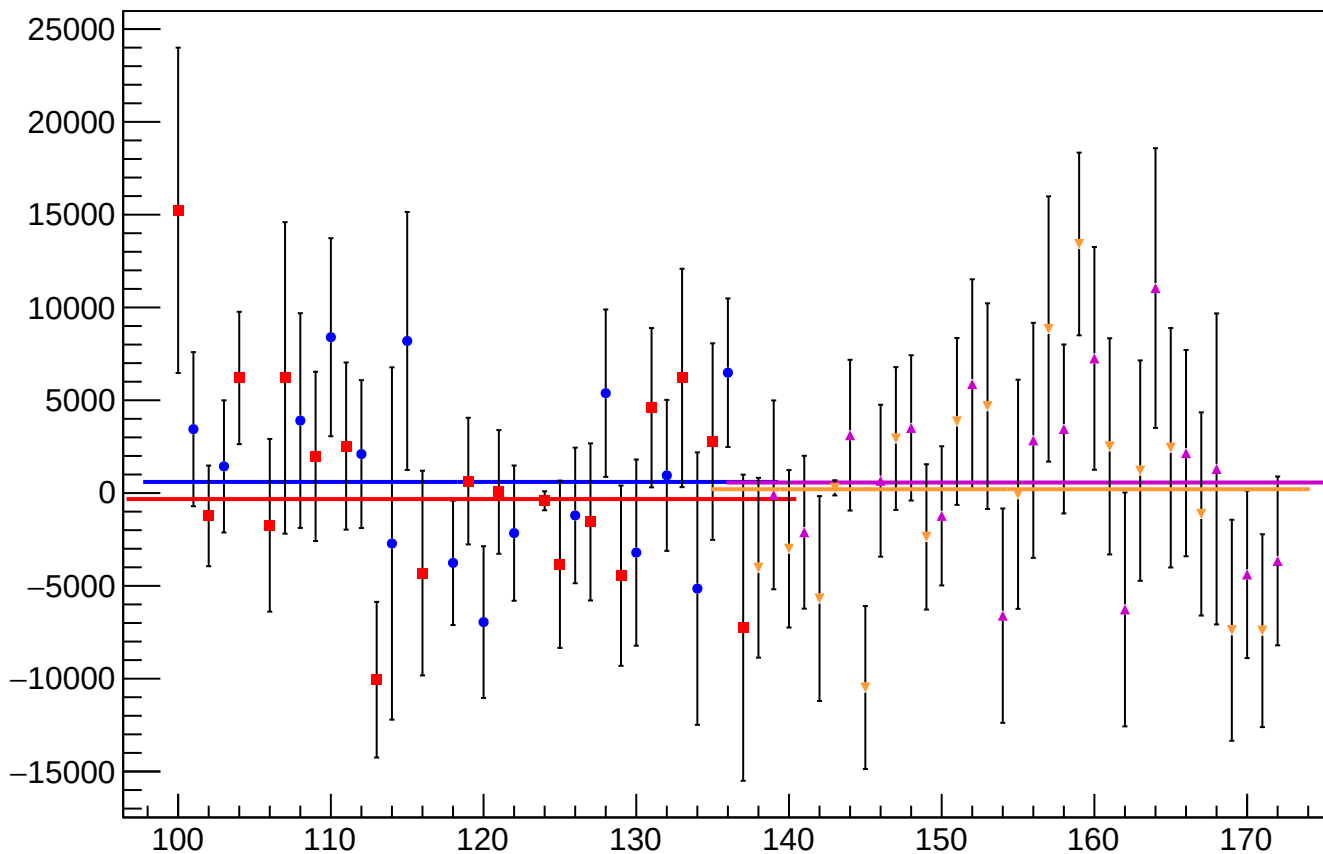
Left In: 1876.348 $\pm$ 0.354 χ^2 /NDF: 24603.4/16

+ sign 1846.960 $\pm$ 0.285 χ^2 /NDF: 988624.3/33

All: 1837.203 $\pm$ 0.200 χ^2 /NDF: 1364317.4/69

- sign 1827.722 $\pm$ 0.281 χ^2 /NDF: 373384.4/35

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 600.202 $\pm$ 1100.125 χ^2 /NDF: 14.9/15

Left Out: 207.421 $\pm$ 388.090 χ^2 /NDF: 23.5/17

Right Out: -323.164 $\pm$ 458.862 χ^2 /NDF: 19.0/18

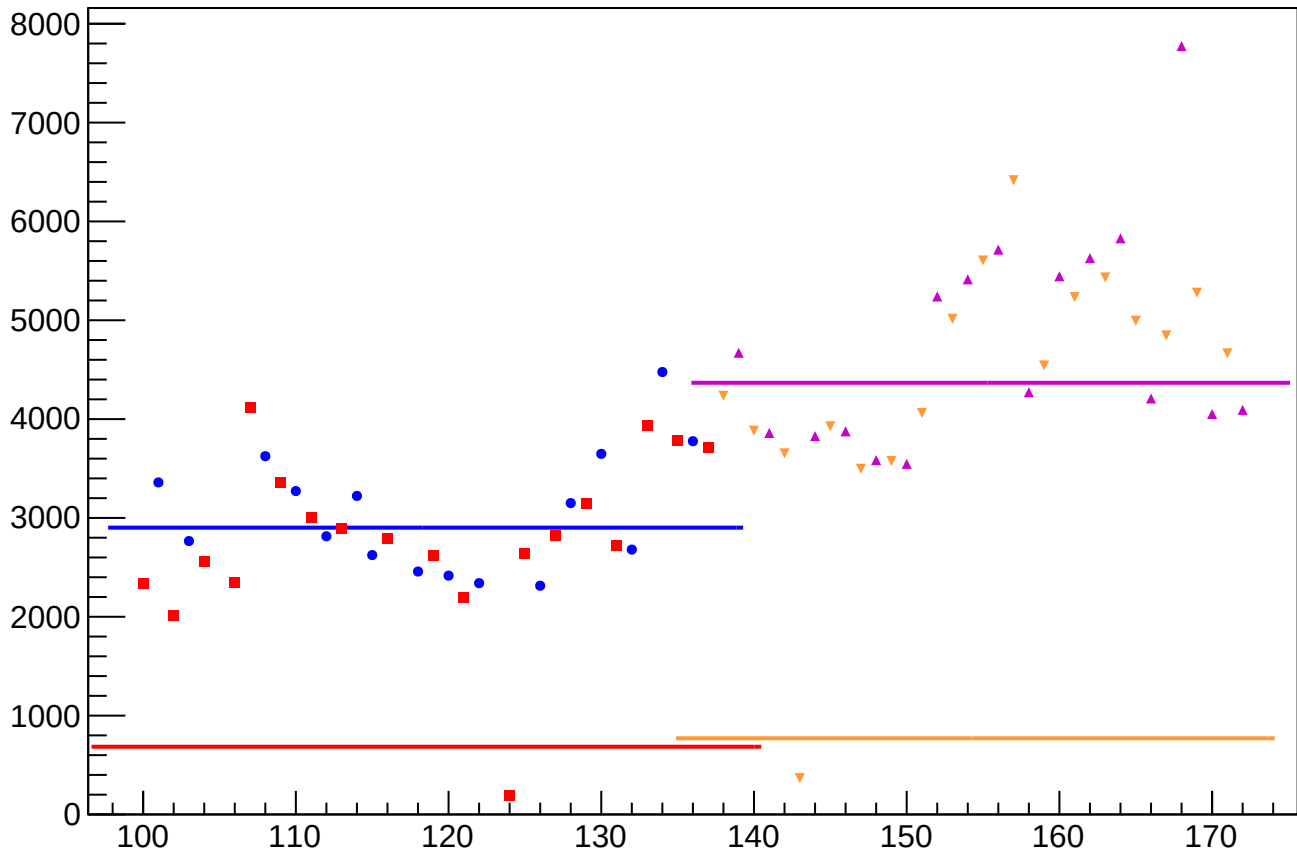
Left In: 568.984 $\pm$ 1192.112 χ^2 /NDF: 11.1/16

+ sign 250.891 $\pm$ 365.985 χ^2 /NDF: 38.5/33

All: 57.176 $\pm$ 278.221 χ^2 /NDF: 69.7/69

- sign -208.040 $\pm$ 428.234 χ^2 /NDF: 30.6/35

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

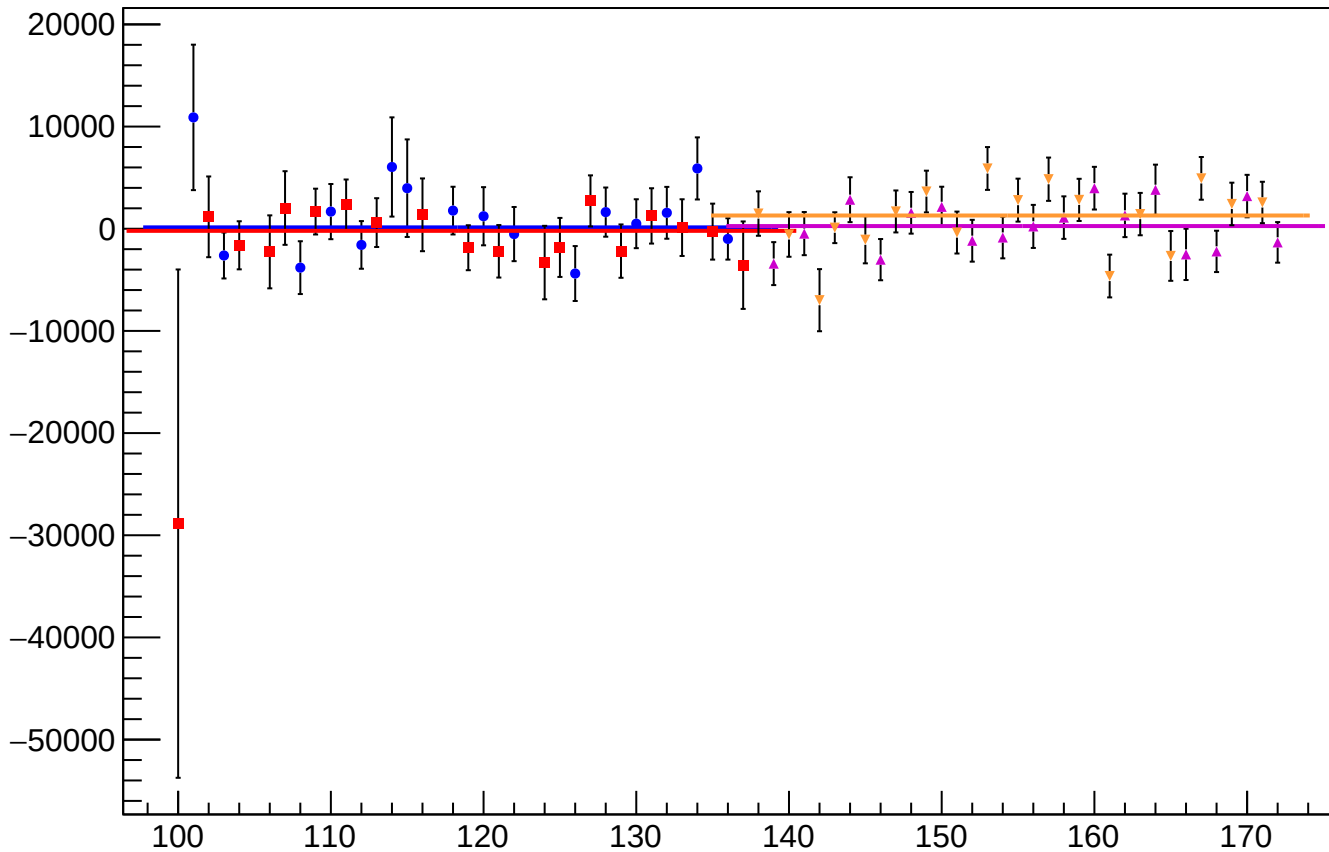
Left In: 4367.684+/-0.843 χ^2/NDF : 1051424.8/16

+ sign 1006.617+/-0.259 χ^2/NDF : 27354212.4/33

All: 1071.546+/-0.197 χ^2/NDF : 55281745.1/6

- sign 1160.442+/-0.303 χ^2/NDF : 27778400.1/35

dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.838 $\pm$ 671.621 χ^2 /NDF: 17.3/15

Left Out: 1296.138 $\pm$ 493.024 χ^2 /NDF: 34.9/17

Right Out: -205.424 $\pm$ 654.444 χ^2 /NDF: 9.7/18

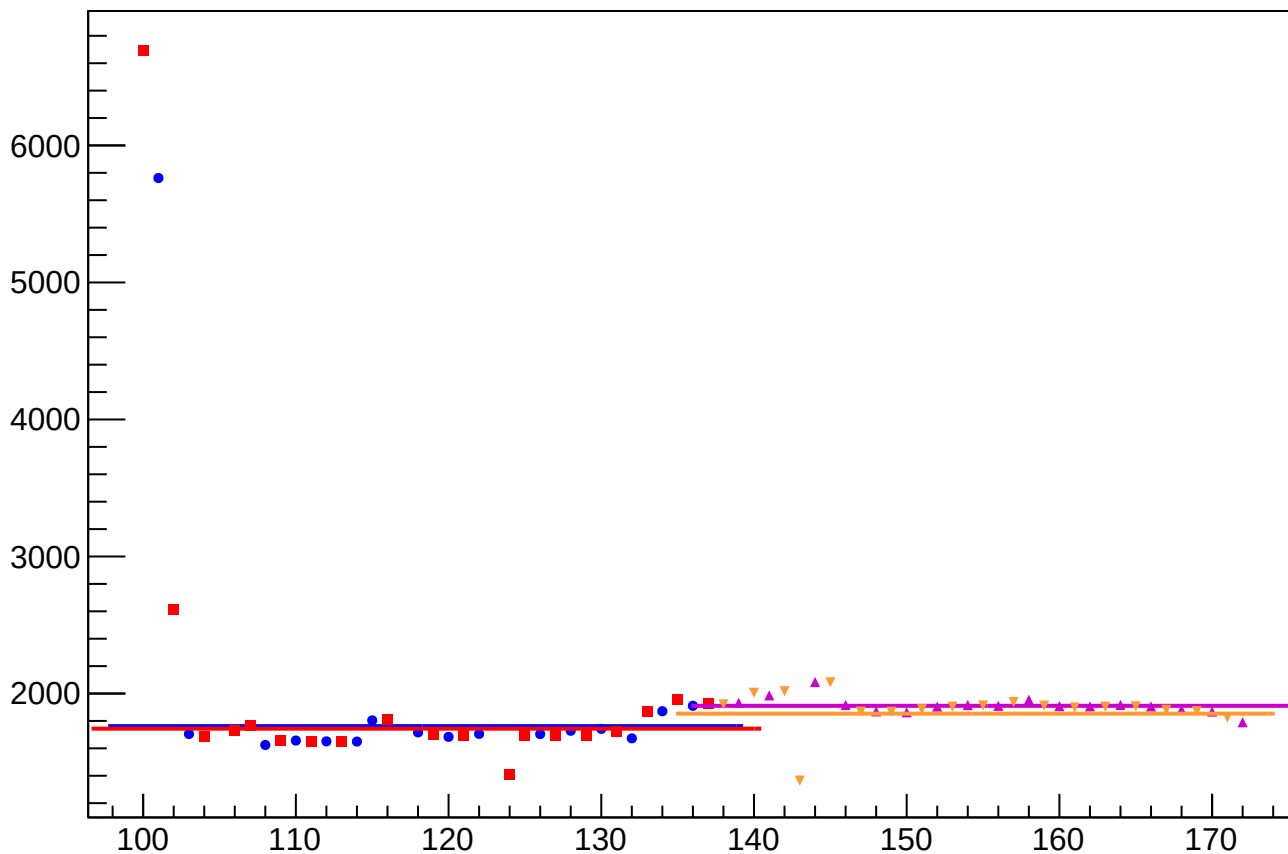
Left In: 261.729 $\pm$ 510.185 χ^2 /NDF: 20.3/16

+ sign 889.130 $\pm$ 397.435 χ^2 /NDF: 54.1/33

All: 492.093 $\pm$ 282.756 χ^2 /NDF: 86.5/69

- sign 85.143 $\pm$ 402.366 χ^2 /NDF: 30.4/35

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2 /NDF: 667696.6/15

Left Out: 1853.133 $\pm$ 0.349 χ^2 /NDF: 259078.1/17

Right Out: 1743.723 $\pm$ 0.461 χ^2 /NDF: 227762.1/18

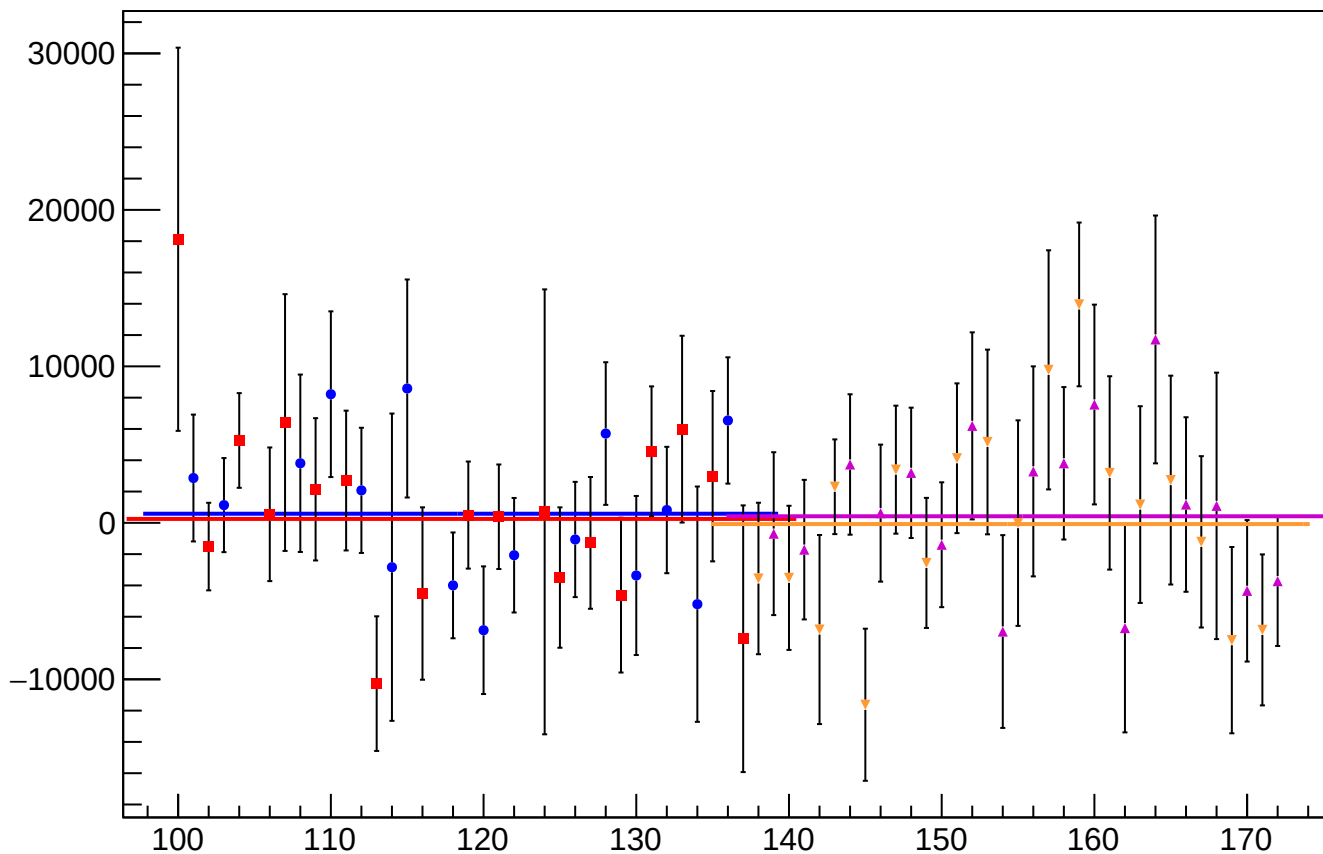
Left In: 1910.308 $\pm$ 0.361 χ^2 /NDF: 26732.3/16

+ sign 1821.239 $\pm$ 0.281 χ^2 /NDF: 950676.7/33

All: 1834.030 $\pm$ 0.200 χ^2 /NDF: 1290252.4/69

- sign 1847.112 $\pm$ 0.284 χ^2 /NDF: 335385.2/35

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 582.223 $\pm$ 1081.481 χ^2 /NDF: 14.9/15

Left Out: -78.428 $\pm$ 1183.417 χ^2 /NDF:24.1/17

Right Out: 250.224 $\pm$ 1021.012 χ^2 /NDF: 17.9/18

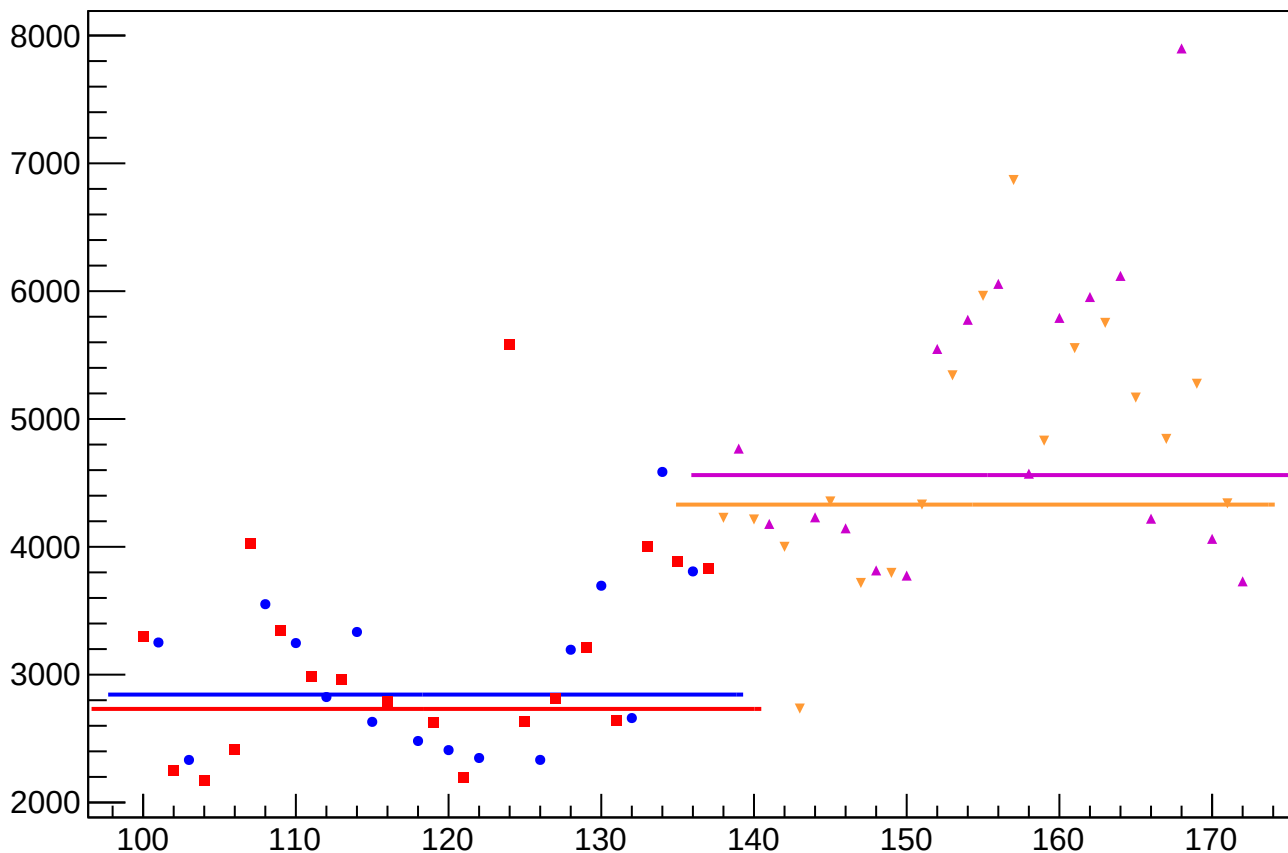
Left In: 419.216 $\pm$ 1245.845 χ^2 /NDF:11.1/16

+ sign 281.571 $\pm$ 798.332 χ^2 /NDF: 39.2/33

All: 300.046 $\pm$ 561.428 χ^2 /NDF: 68.2/69

- sign 318.122 $\pm$ 789.697 χ^2 /NDF: 29.0/35

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

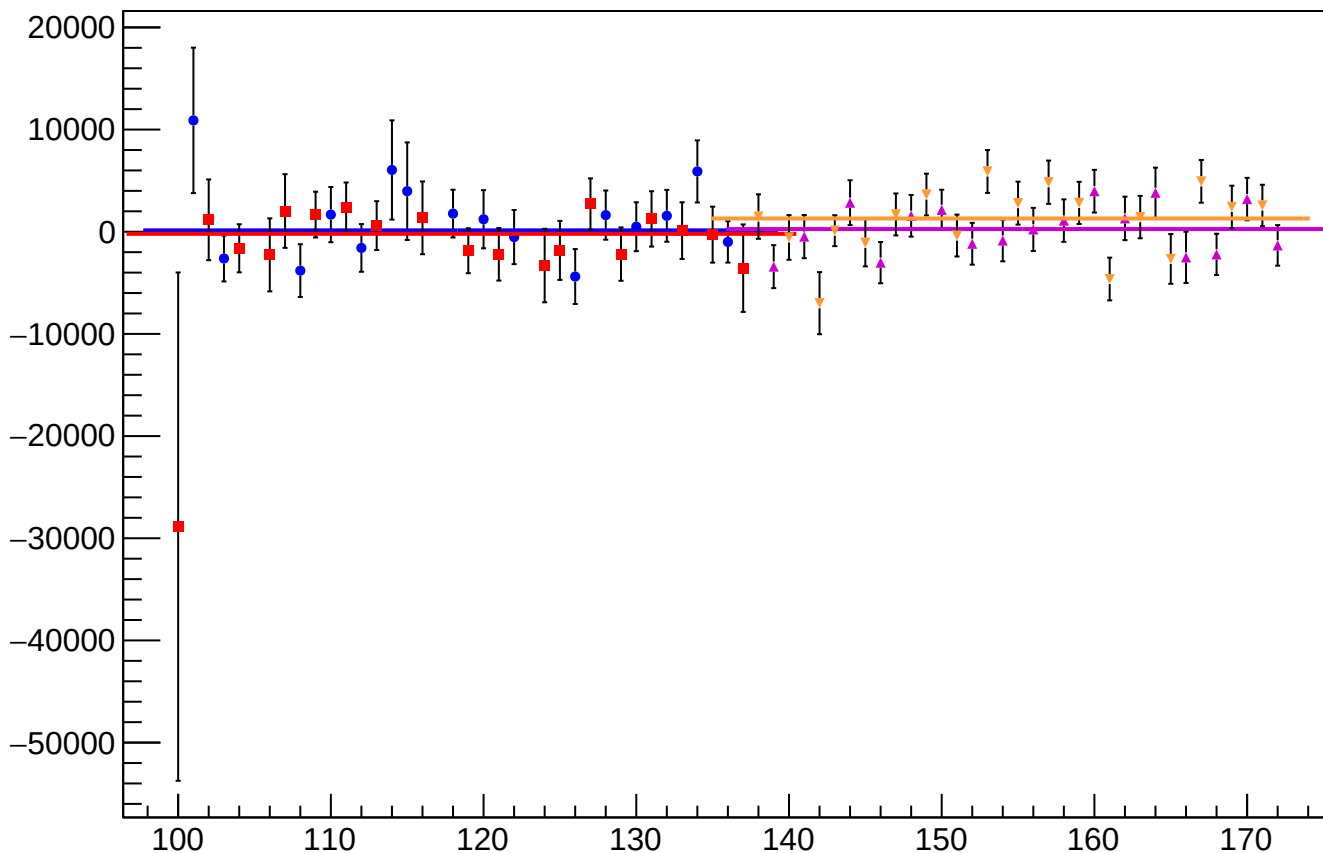
Left In: 4561.194+/-0.881 χ^2/NDF : 1078887.9/16

+ sign 3520.500+/-0.565 χ^2/NDF : 3604666.6/33

All: 3493.422+/-0.397 χ^2/NDF : 7878612.1/69

- sign 3466.926+/-0.558 χ^2/NDF : 4269393.3/35

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 133.837 $\pm$ 671.621 χ^2 /NDF: 17.3/15

Left Out: 1296.138 $\pm$ 493.024 χ^2 /NDF: 34.9/17

Right Out: -205.422 $\pm$ 654.444 χ^2 /NDF: 9.7/18

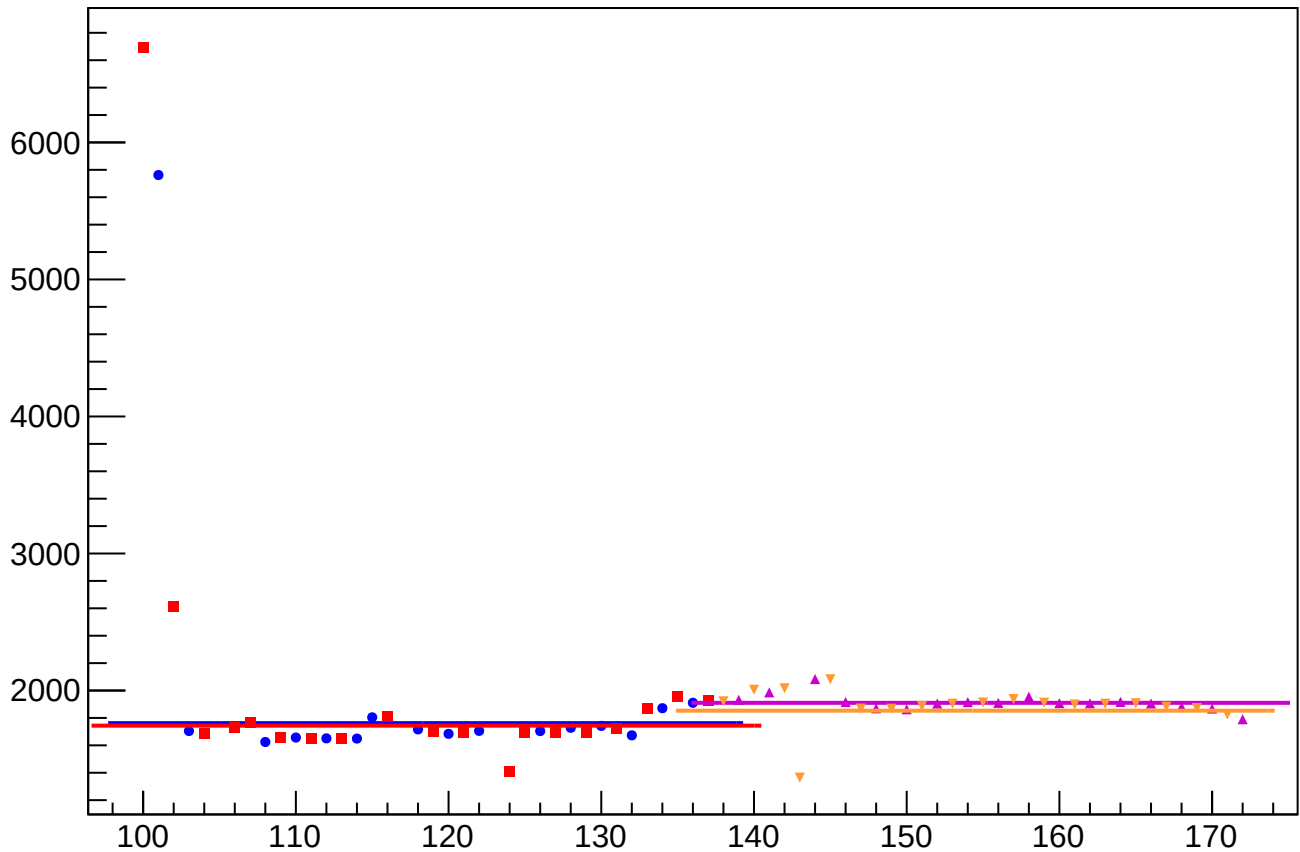
Left In: 261.730 $\pm$ 510.186 χ^2 /NDF: 20.3/16

+ sign 889.130 $\pm$ 397.435 χ^2 /NDF: 54.1/33

All: 492.094 $\pm$ 282.756 χ^2 /NDF: 86.5/69

- sign 85.144 $\pm$ 402.366 χ^2 /NDF: 30.4/35

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1762.052 $\pm$ 0.475 χ^2/NDF : 667696.6/15

Left Out: 1853.133 $\pm$ 0.349 χ^2/NDF : 259079.5/17

Right Out: 1743.723 $\pm$ 0.461 χ^2/NDF : 227762.1/18

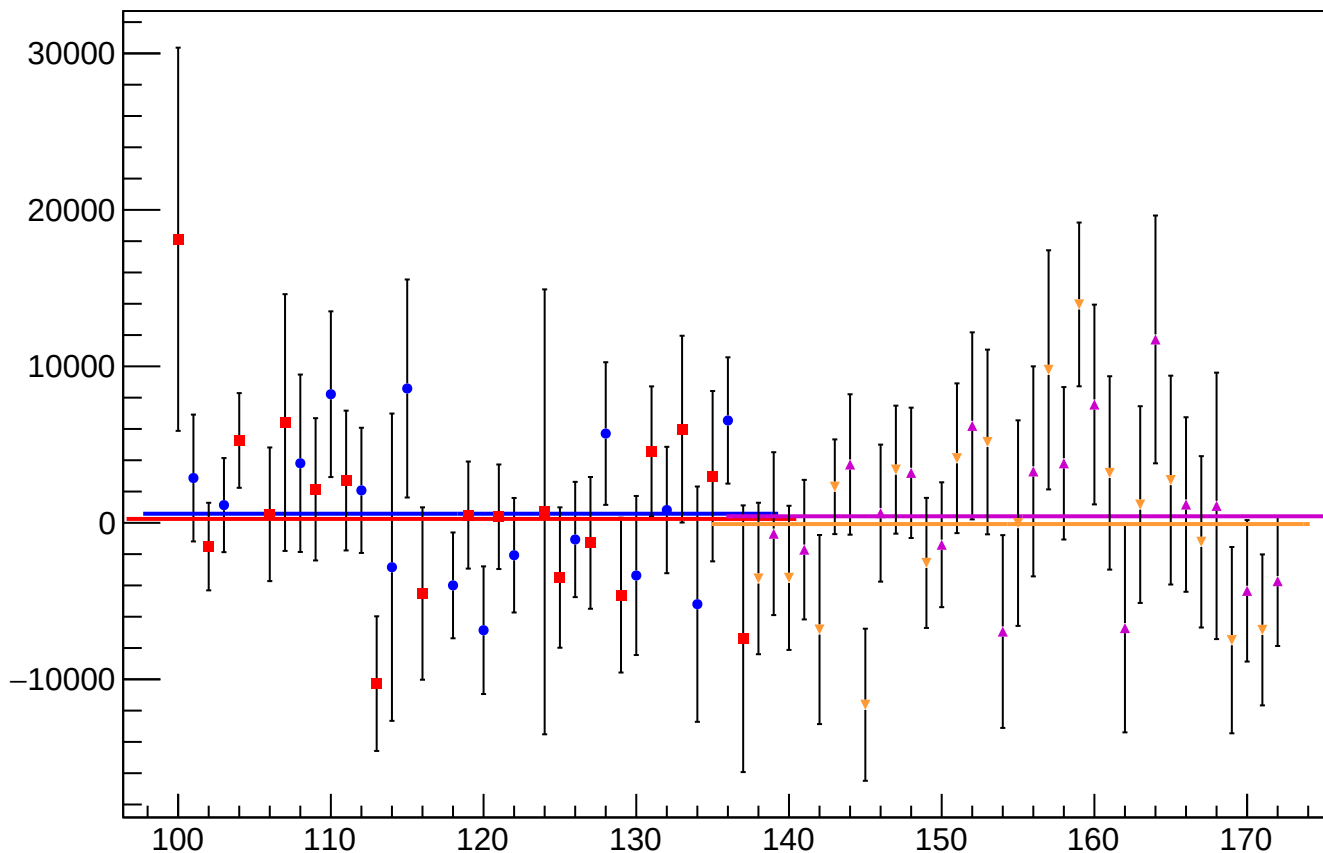
Left In: 1910.309 $\pm$ 0.361 χ^2/NDF : 26733.1/16

+ sign 1821.239 $\pm$ 0.281 χ^2/NDF : 950678.3/33

All: 1834.030 $\pm$ 0.200 χ^2/NDF : 1290255.5/69

- sign 1847.112 $\pm$ 0.284 χ^2/NDF : 335386.7/35

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 582.219 $\pm$ 1081.478 χ^2 /NDF: 14.9/15

Left Out: -78.424 $\pm$ 1183.419 χ^2 /NDF:24.1/17

Right Out: 250.225 $\pm$ 1021.010 χ^2 /NDF: 17.9/18

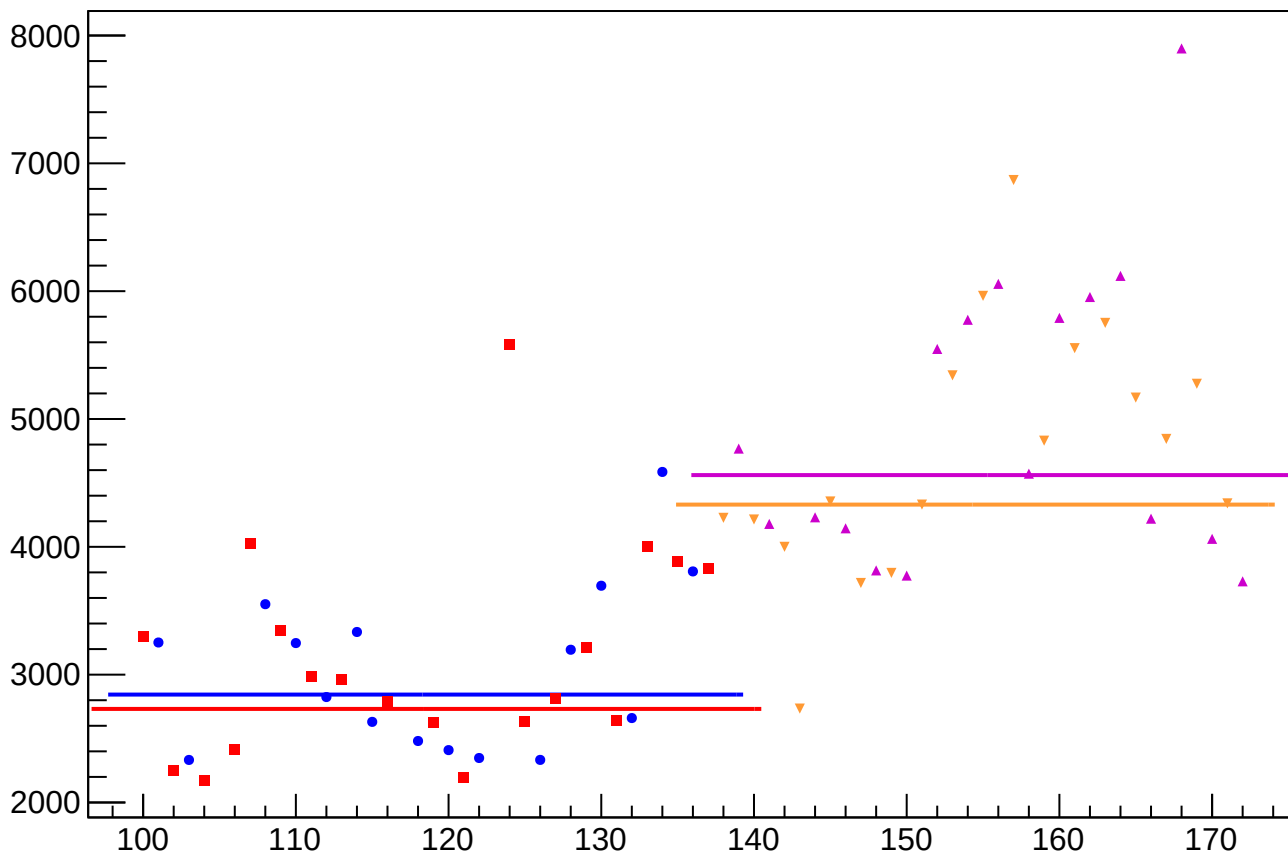
Left In: 419.217 $\pm$ 1245.847 χ^2 /NDF:11.1/16

+ sign 281.572 $\pm$ 798.332 χ^2 /NDF: 39.2/33

All: 300.046 $\pm$ 561.428 χ^2 /NDF: 68.2/69

- sign 318.123 $\pm$ 789.696 χ^2 /NDF: 29.0/35

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



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

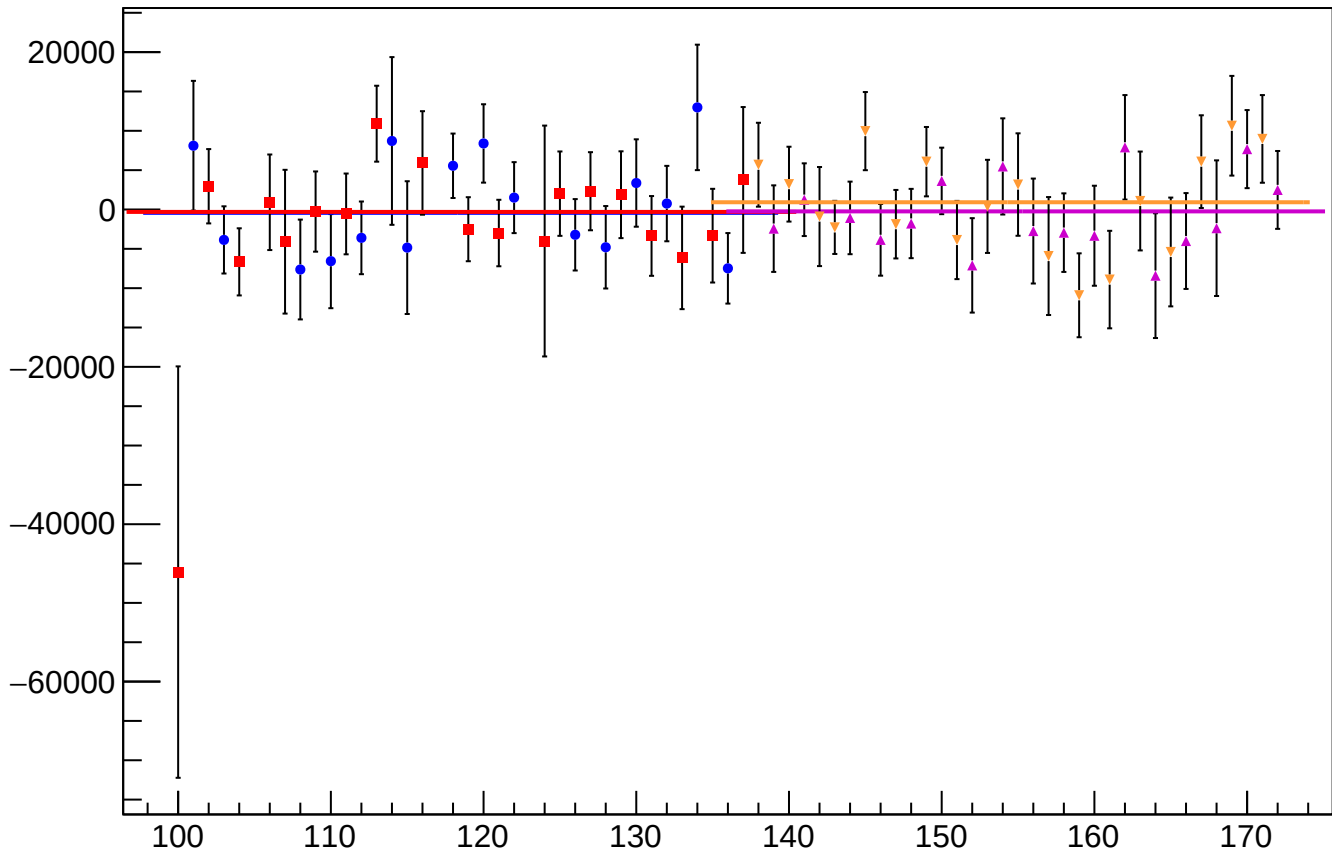
Left In: 4561.201+/-0.881 χ^2/NDF : 1078888.4/16

+ sign 3520.495+/-0.565 χ^2/NDF : 3604707.9/33

All: 3493.418+/-0.397 χ^2/NDF : 7878686.9/69

- sign 3466.923+/-0.558 χ^2/NDF : 4269426.8/35

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

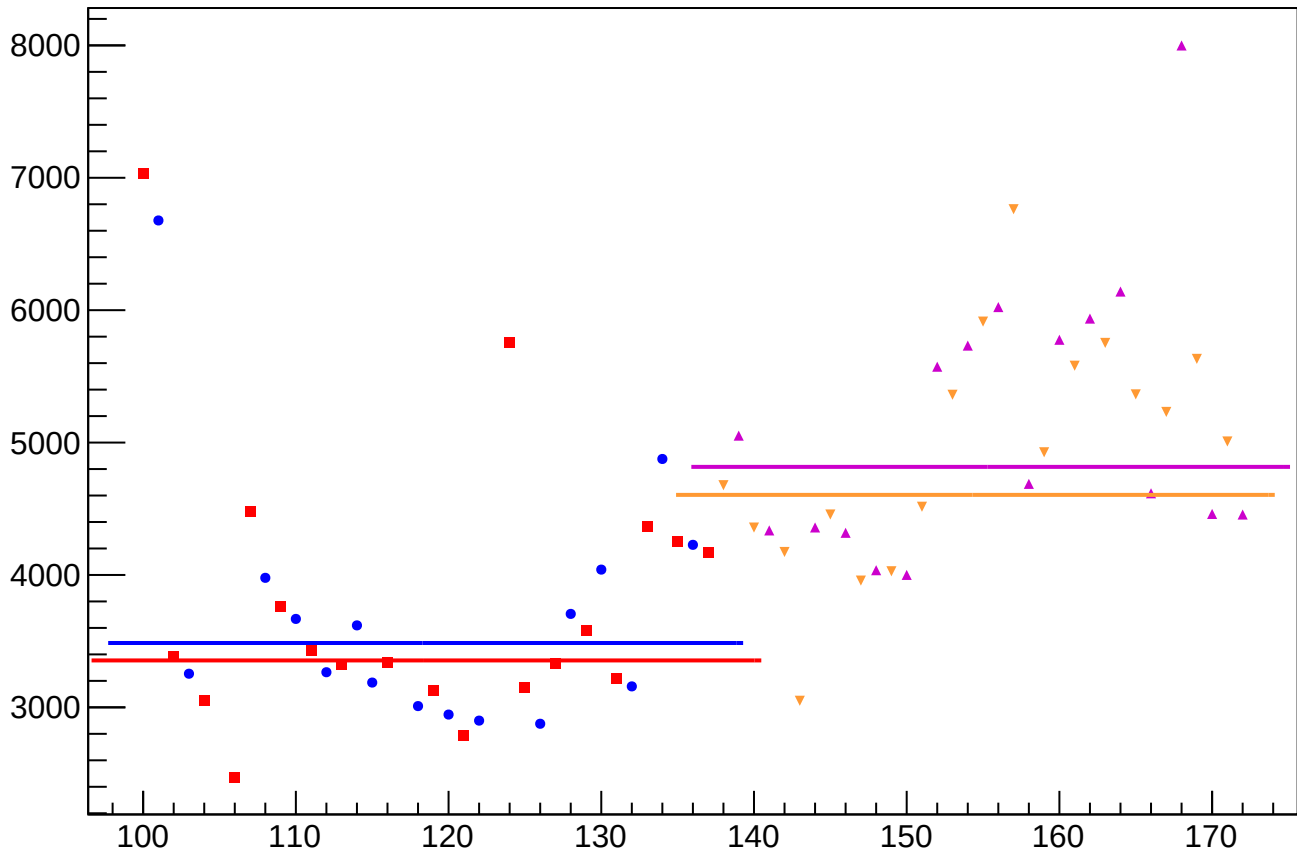
Left In: -241.312 ± 1307.486 χ^2/NDF : 10.6/16

+ sign 289.506 ± 909.618 χ^2/NDF : 40.9/33

All: 8.137 ± 644.422 χ^2/NDF : 67.0/69

- sign -275.385 ± 913.093 χ^2/NDF : 25.9/35

asym_atr1l2_dd_rms vs Slug



Right In: 3486.167 $\pm$ 0.939 χ^2 /NDF: 595790.9/15

Left Out: 4604.914 $\pm$ 0.883 χ^2 /NDF:1033142.8/17

Right Out: 3354.426 $\pm$ 0.889 χ^2 /NDF: 376426.3/18

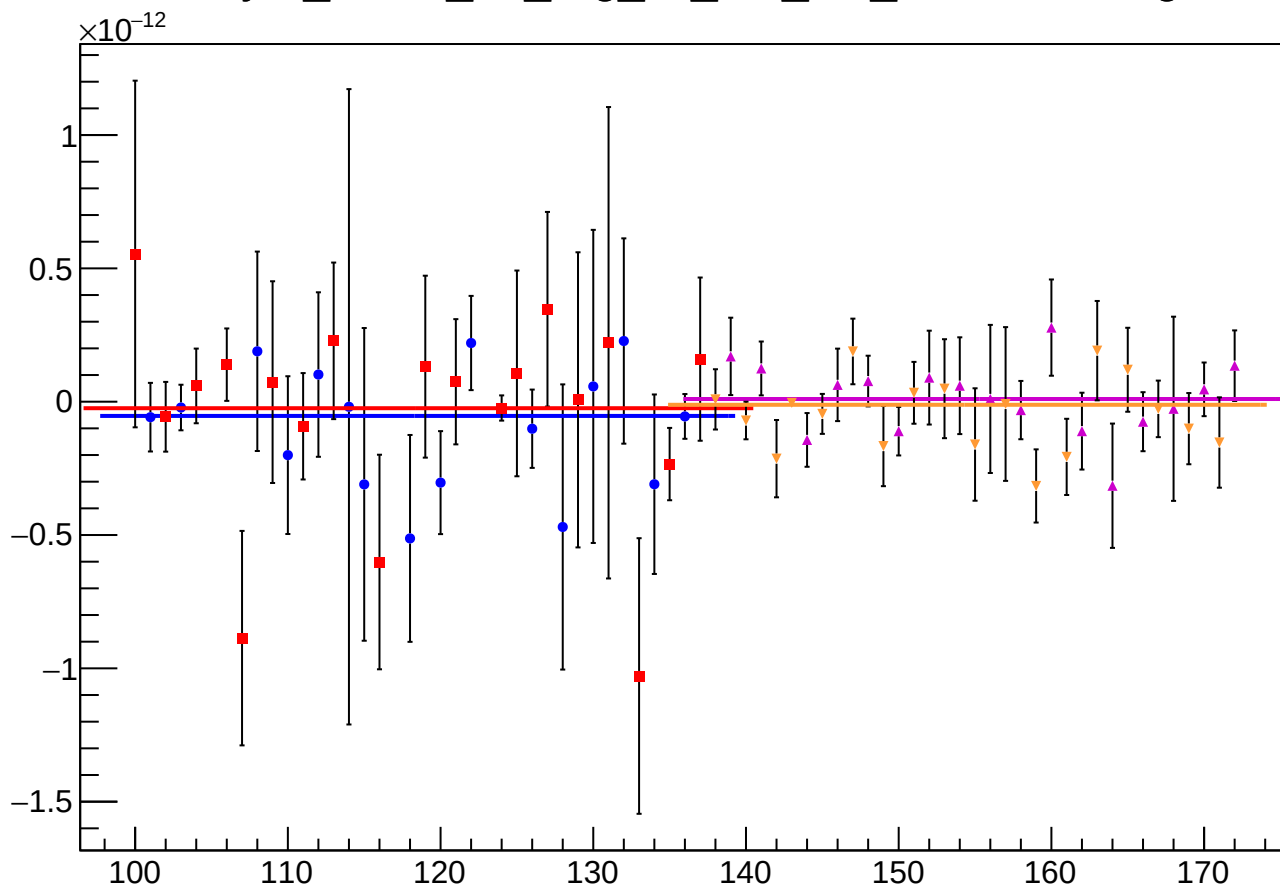
Left In: 4816.437 $\pm$ 0.925 χ^2 /NDF:803780.6/16

+ sign 4079.453 $\pm$ 0.643 χ^2 /NDF: 2382492.4/33

All: 4068.290 $\pm$ 0.454 χ^2 /NDF: 4861919.7/69

- sign 4057.203 $\pm$ 0.641 χ^2 /NDF: 2478826.9/35

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

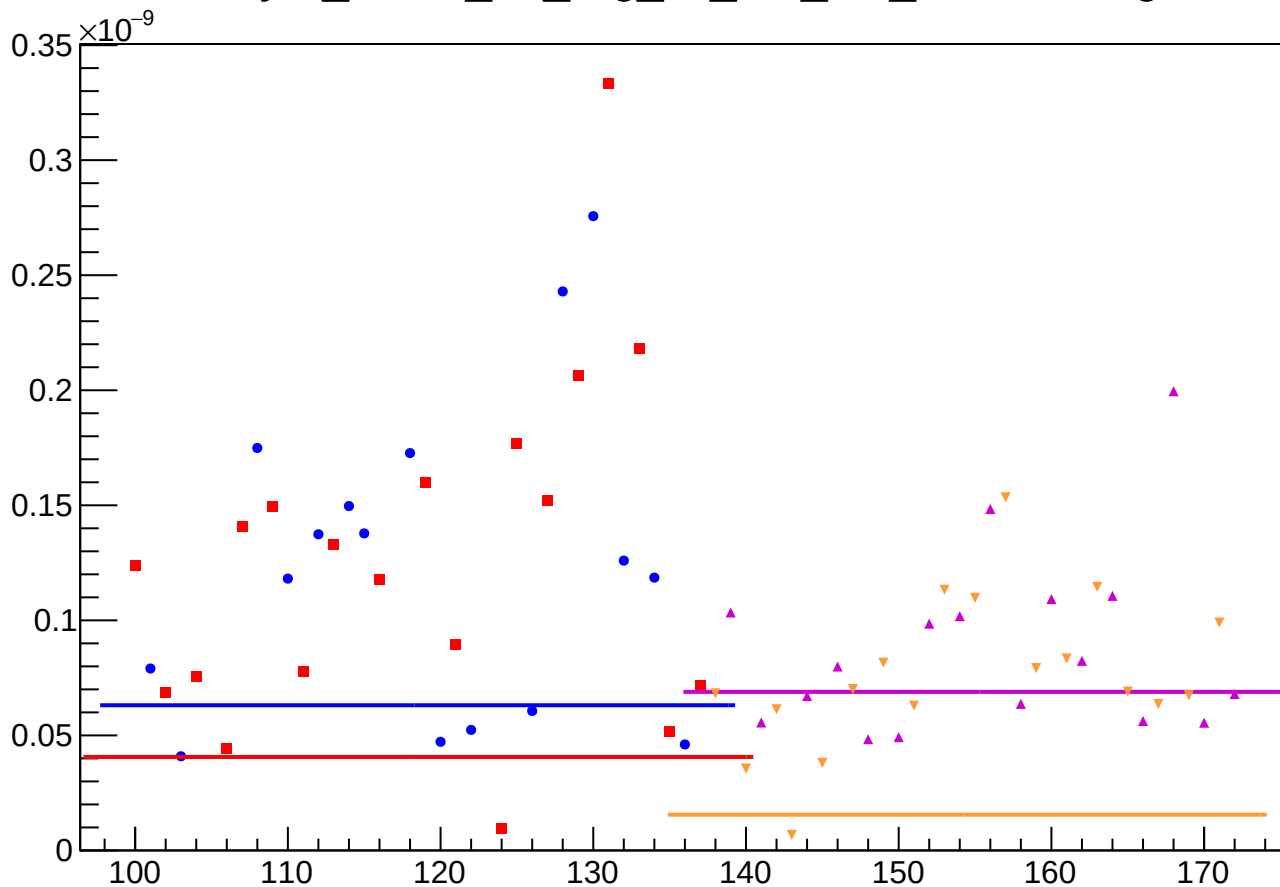
Left In: 0.000 ± 0.000 χ^2/NDF : 14.1/16

+ sign -0.000 ± 0.000 χ^2/NDF : 26.9/33

All: -0.000 ± 0.000 χ^2/NDF : 60.1/69

- sign -0.000 ± 0.000 χ^2/NDF : 33.0/35

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1432018.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7308453.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3172346.7/18

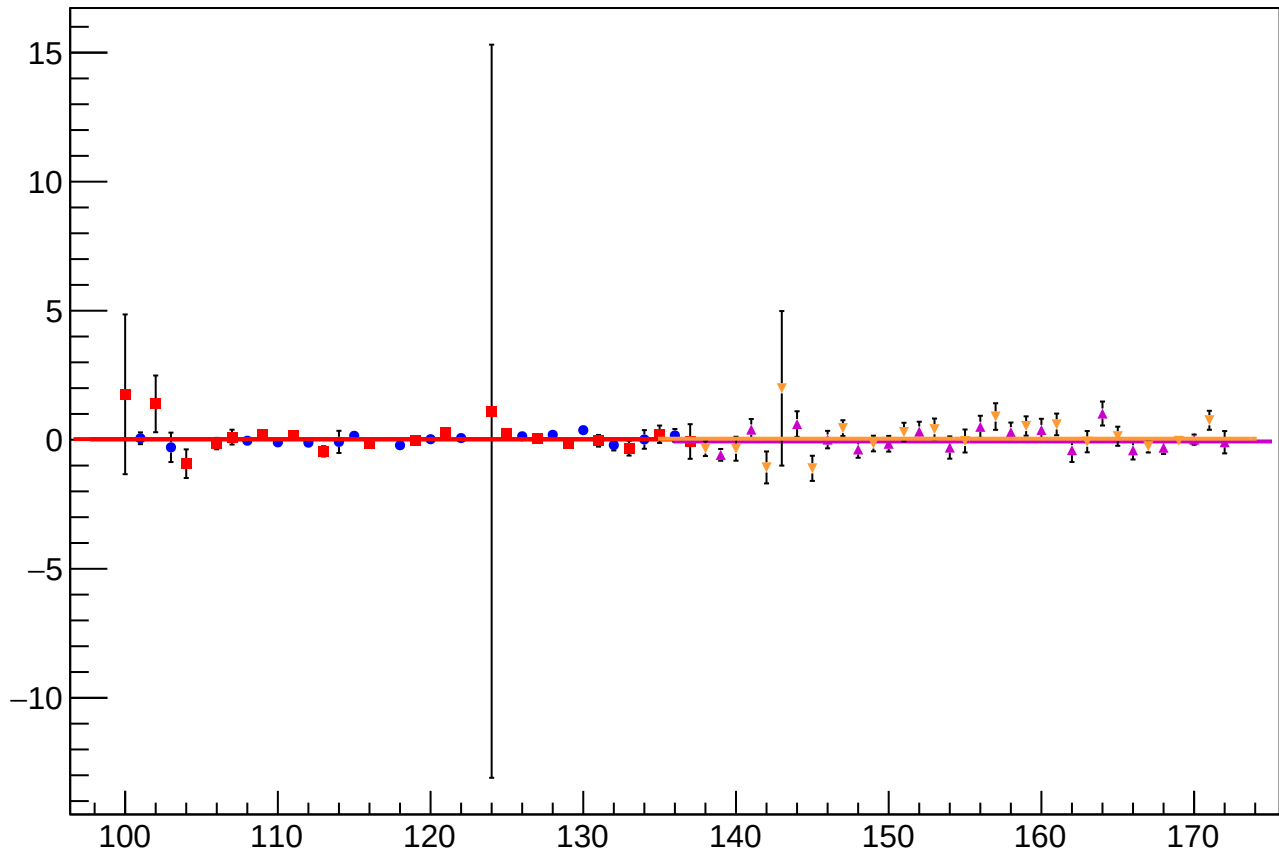
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1168951.7/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10876004.1/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 20163026.6/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5054391.3/35

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

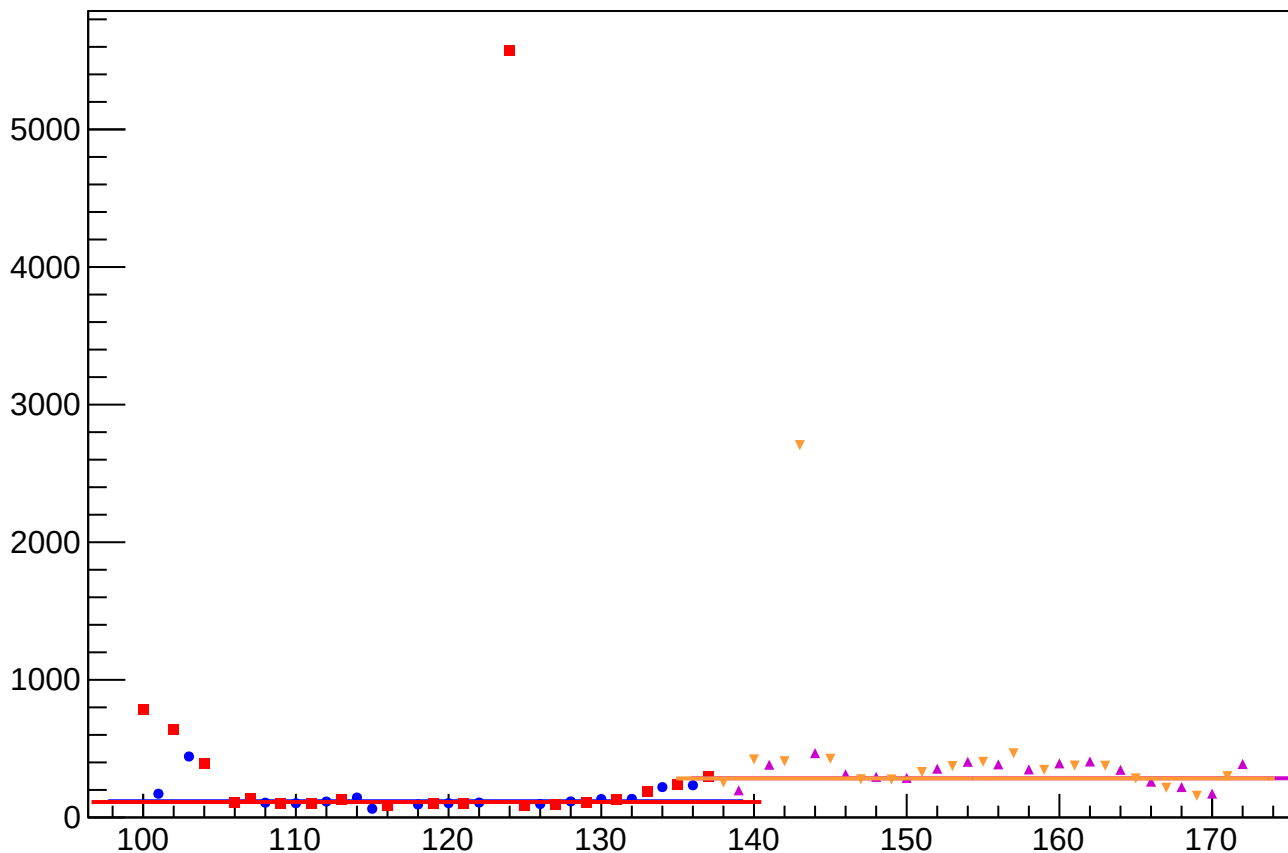
Left In: -0.066 ± 0.081 χ^2/NDF : 22.4/16

+ sign 0.022 ± 0.041 χ^2/NDF : 38.7/33

All: 0.012 ± 0.029 χ^2/NDF : 84.2/69

- sign 0.002 ± 0.040 χ^2/NDF : 45.4/35

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722401.0/15

Left Out: 283.737 $\pm$ 0.058 χ^2 /NDF: 3705312.6/17

Right Out: 112.124 $\pm$ 0.033 χ^2 /NDF: 2186364.8/18

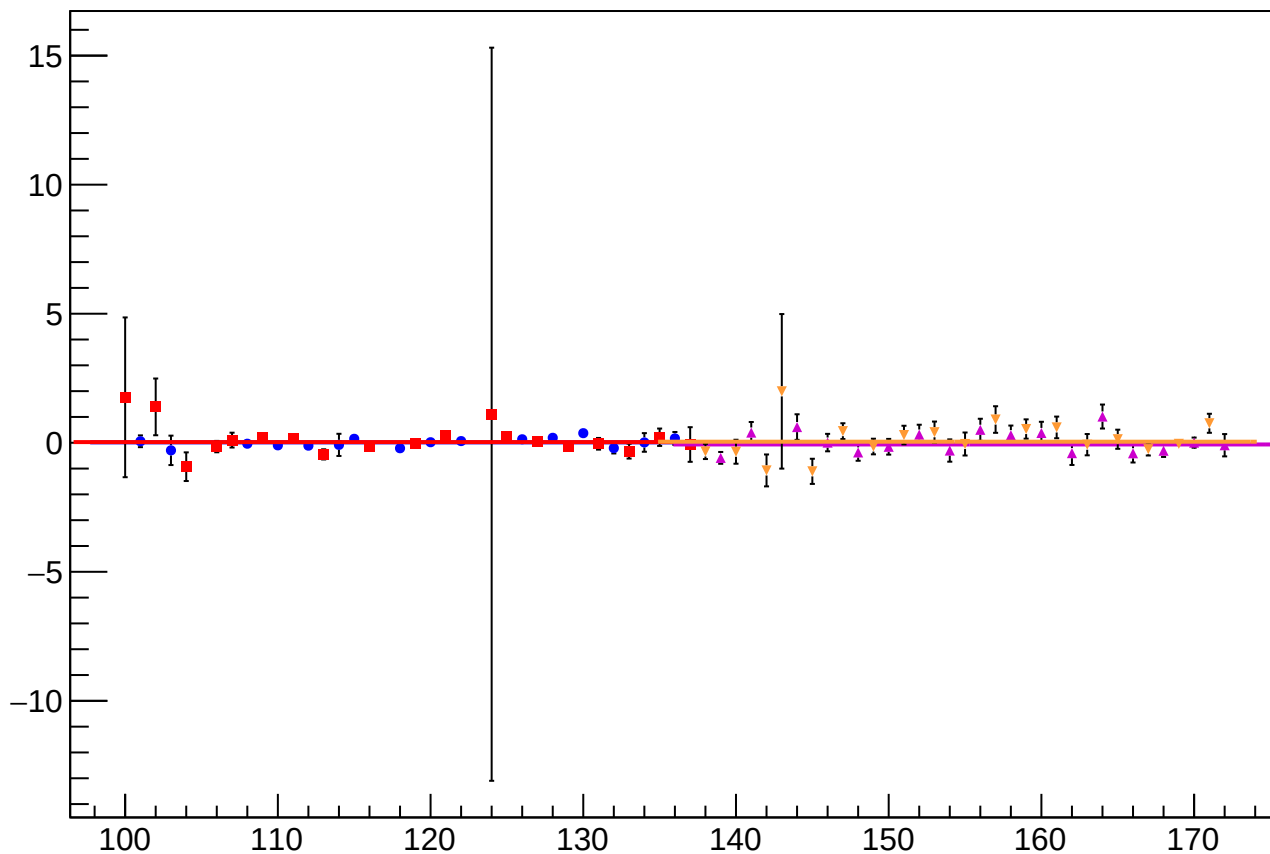
Left In: 284.783 $\pm$ 0.057 χ^2 /NDF: 2303725.0/16

+ sign 159.935 $\pm$ 0.029 χ^2 /NDF: 11551332.8/33

All: 157.801 $\pm$ 0.020 χ^2 /NDF: 22918234.2/69

- sign 155.754 $\pm$ 0.029 χ^2 /NDF: 11356465.8/35

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: 0.041 $\pm$ 0.082 χ^2 /NDF:26.8/17

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

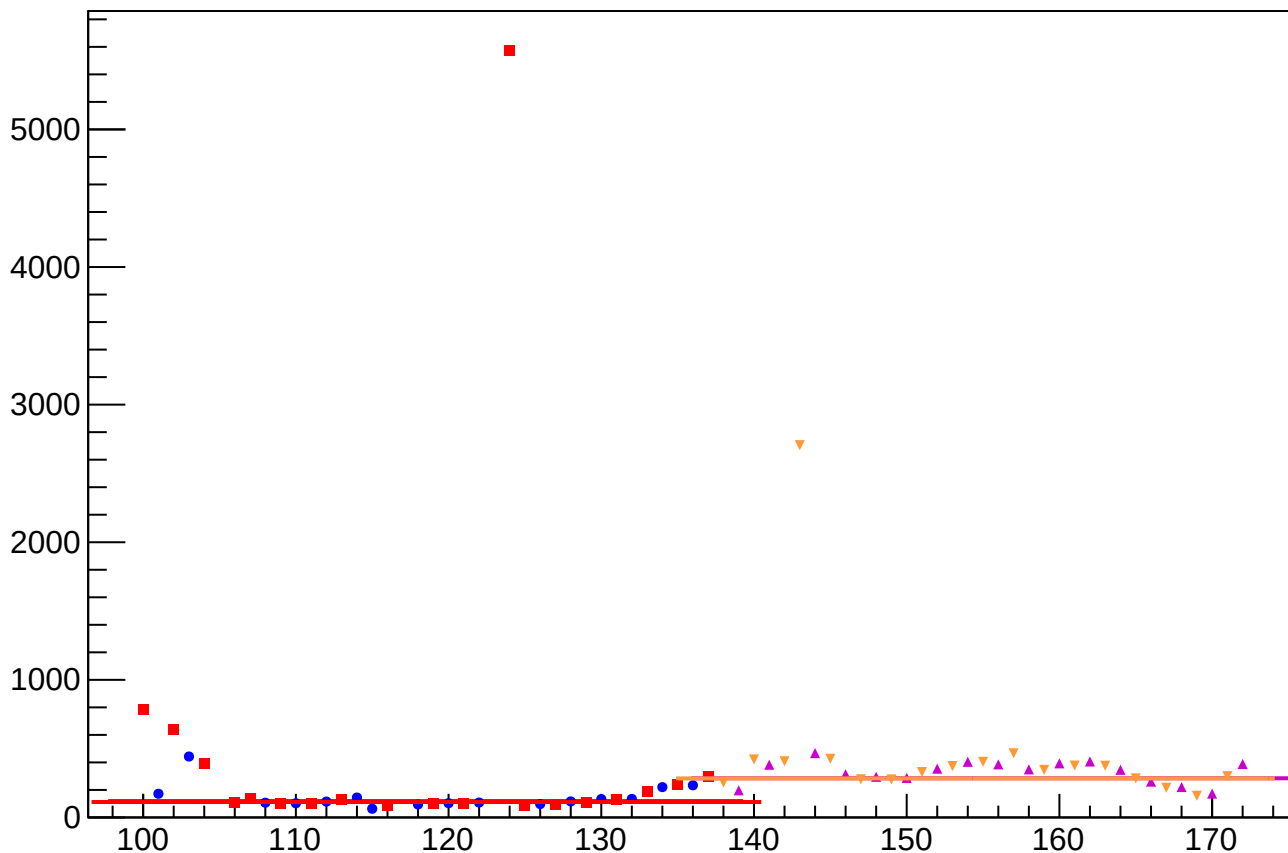
Left In: -0.066 $\pm$ 0.081 χ^2 /NDF:22.4/16

+ sign 0.022 $\pm$ 0.041 χ^2 /NDF: 38.7/33

All: 0.012 $\pm$ 0.029 χ^2 /NDF: 84.2/69

- sign 0.002 $\pm$ 0.040 χ^2 /NDF: 45.4/35

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722401.0/15

Left Out: 283.737 $\pm$ 0.058 χ^2 /NDF: 3705312.6/17

Right Out: 112.124 $\pm$ 0.033 χ^2 /NDF: 2186364.8/18

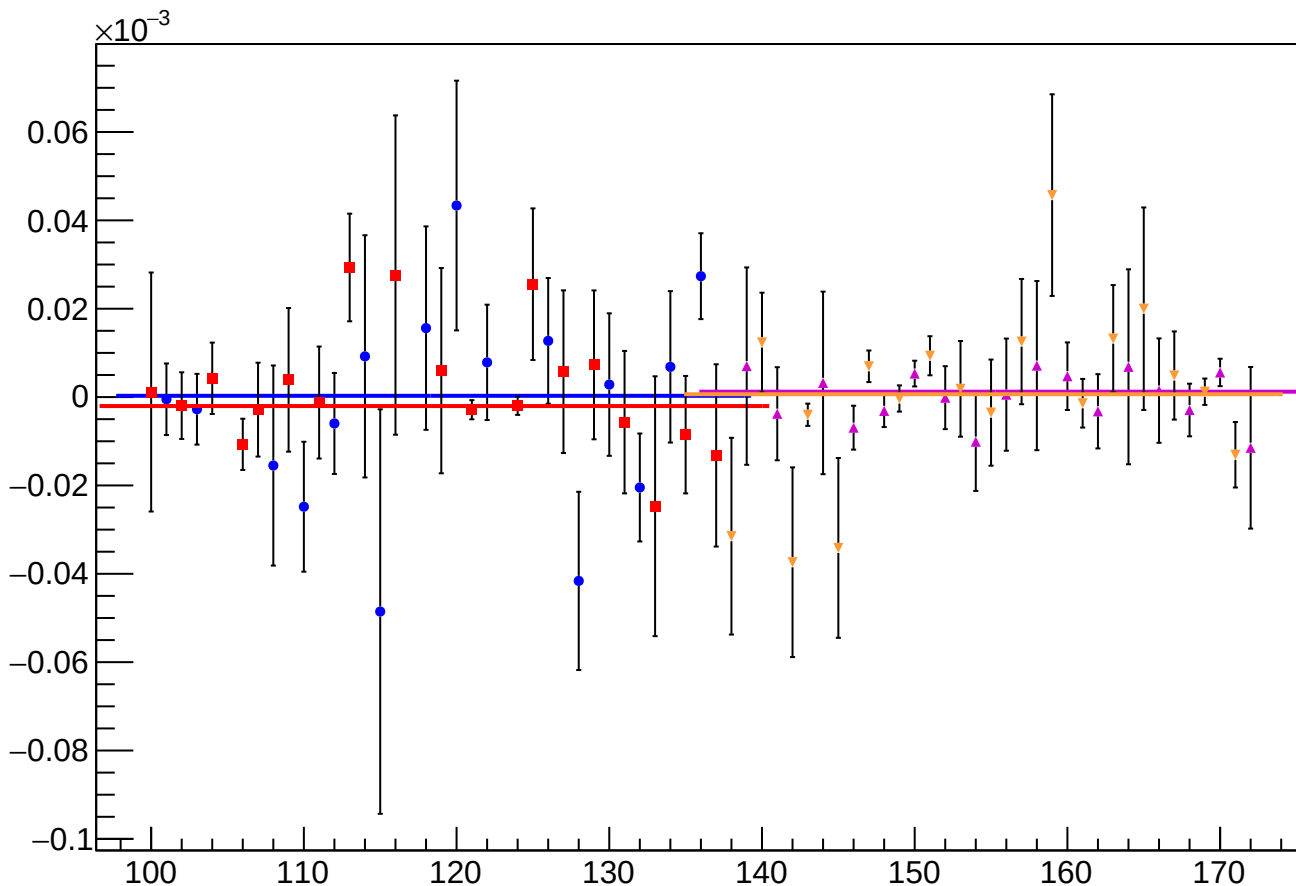
Left In: 284.783 $\pm$ 0.057 χ^2 /NDF: 2303725.0/16

+ sign 159.935 $\pm$ 0.029 χ^2 /NDF: 11551332.8/33

All: 157.801 $\pm$ 0.020 χ^2 /NDF: 22918234.2/69

- sign 155.754 $\pm$ 0.029 χ^2 /NDF: 11356465.8/35

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:30.0/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

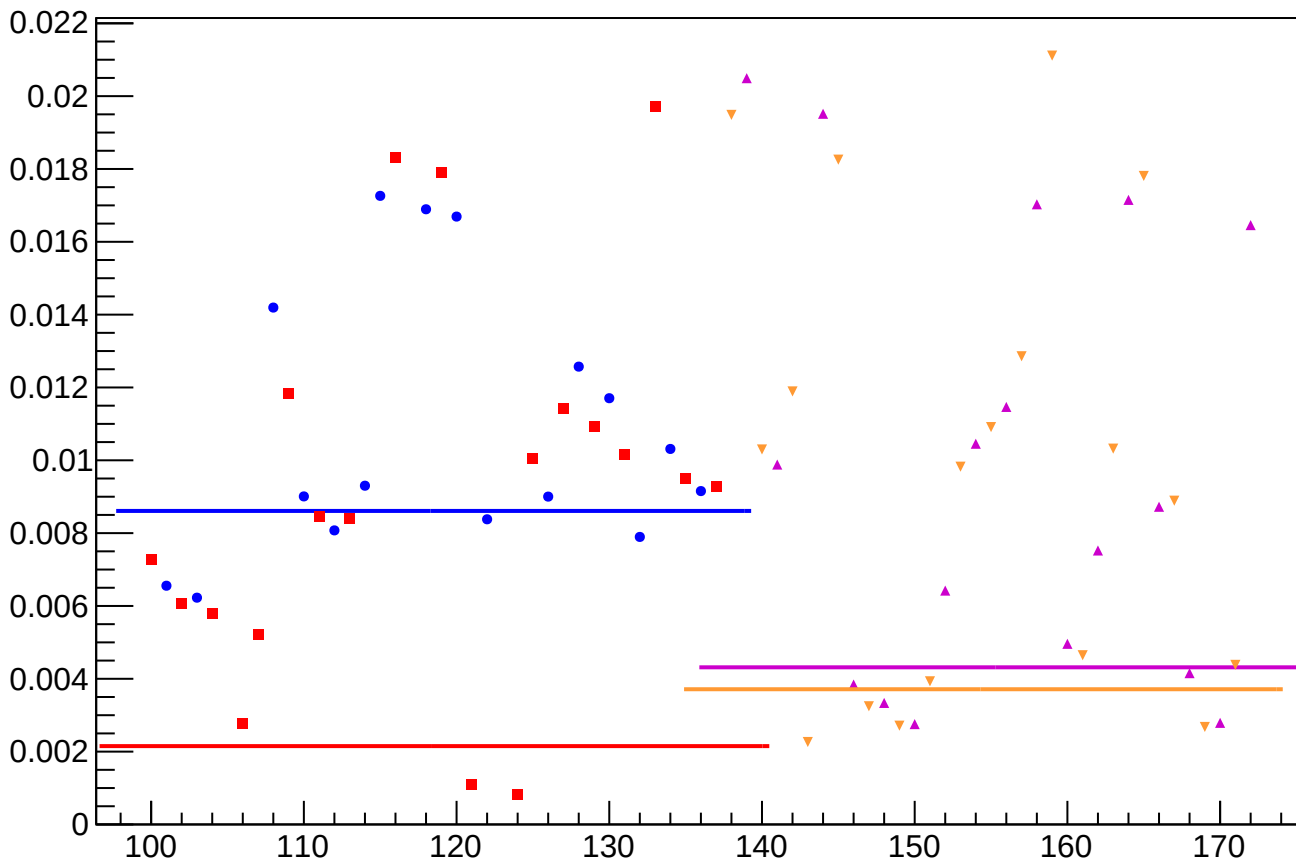
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.2/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 83.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/35

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

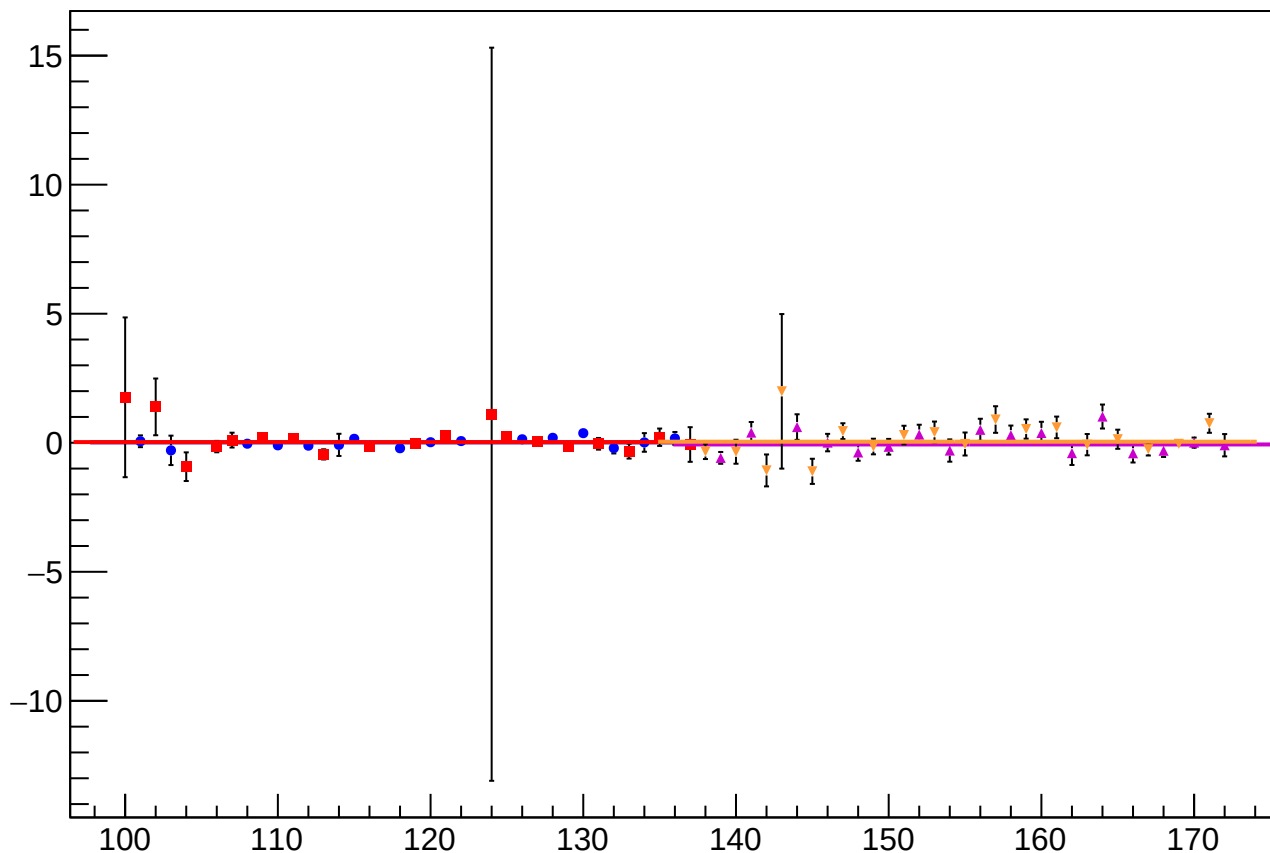
Left In: 0.004+/-0.000 χ^2/NDF : 8350452.3/16

+ sign 0.004+/-0.000 χ^2/NDF : 14284050.5/33

All: 0.004+/-0.000 χ^2/NDF : 35272185.0/69

- sign 0.003+/-0.000 χ^2/NDF : 19797340.4/35

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

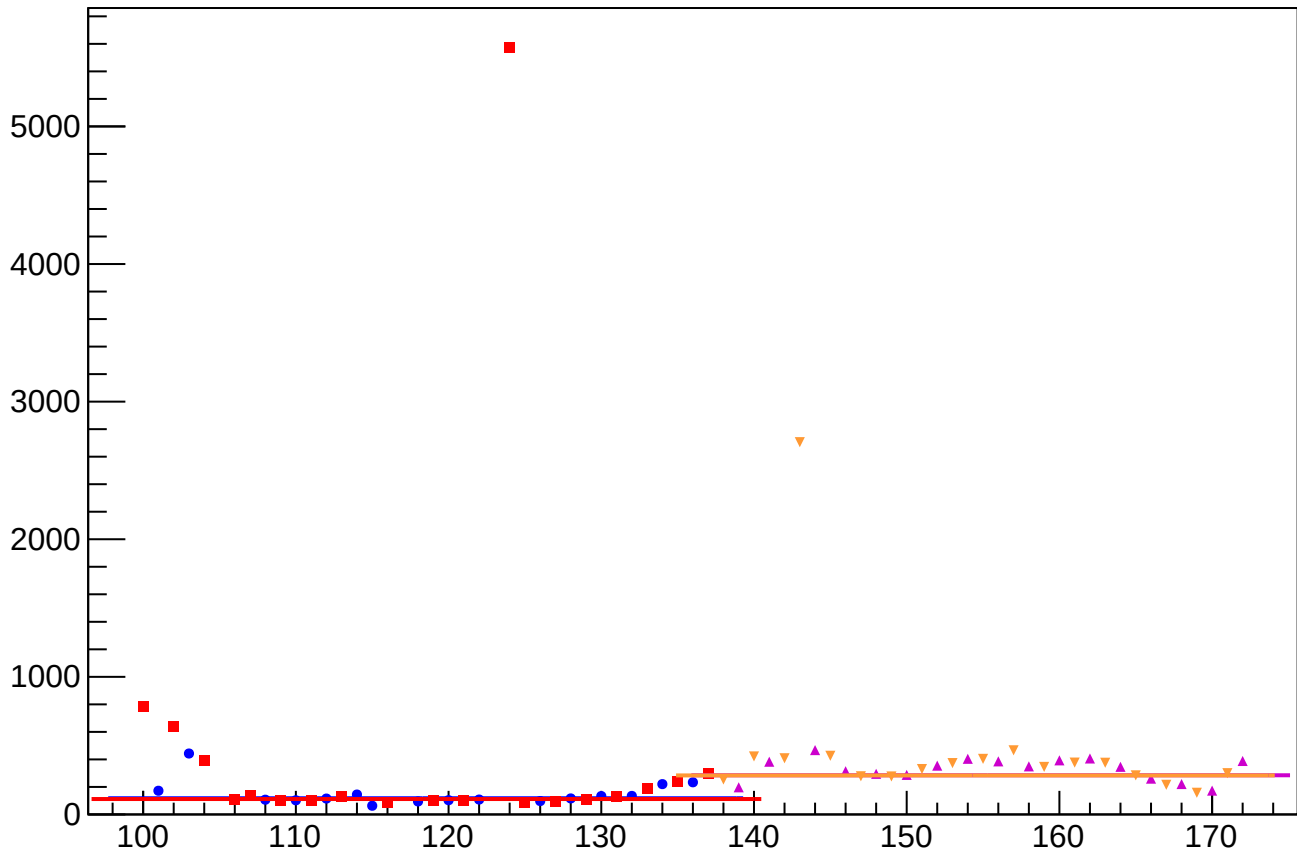
Left In: -0.066 ± 0.081 χ^2/NDF : 22.4/16

+ sign 0.022 ± 0.041 χ^2/NDF : 38.7/33

All: 0.012 ± 0.029 χ^2/NDF : 84.2/69

- sign 0.002 ± 0.040 χ^2/NDF : 45.4/35

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722367.8/15

Left Out: 283.739 $\pm$ 0.058 χ^2 /NDF: 3705406.5/17

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

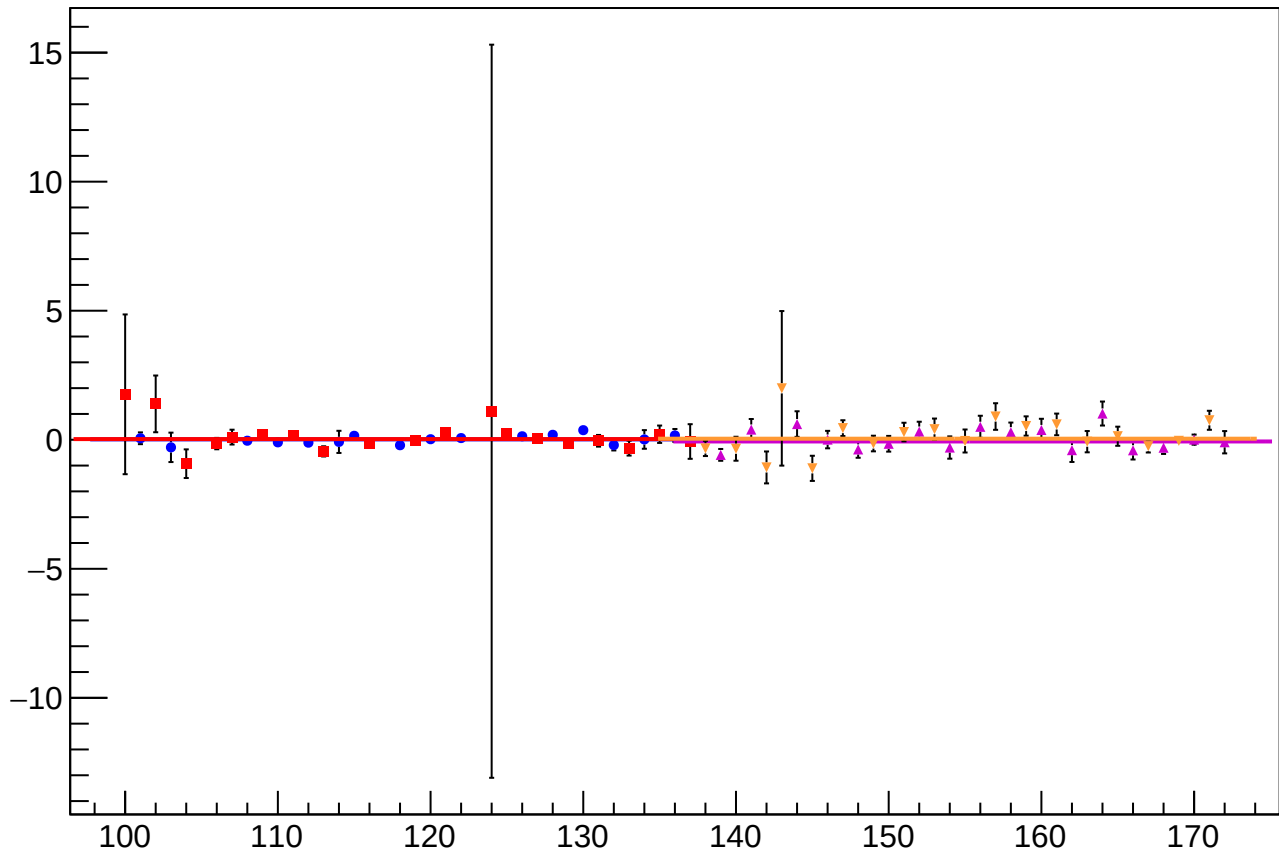
Left In: 284.786 $\pm$ 0.057 χ^2 /NDF: 2303718.3/16

+ sign 159.935 $\pm$ 0.029 χ^2 /NDF: 11551467.9/33

All: 157.802 $\pm$ 0.020 χ^2 /NDF: 22918254.8/69

- sign 155.756 $\pm$ 0.029 χ^2 /NDF: 11356361.3/35

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.048 χ^2 /NDF: 11.8/15

Left Out: 0.041 $\pm$ 0.082 χ^2 /NDF:26.8/17

Right Out: 0.026 $\pm$ 0.047 χ^2 /NDF: 22.1/18

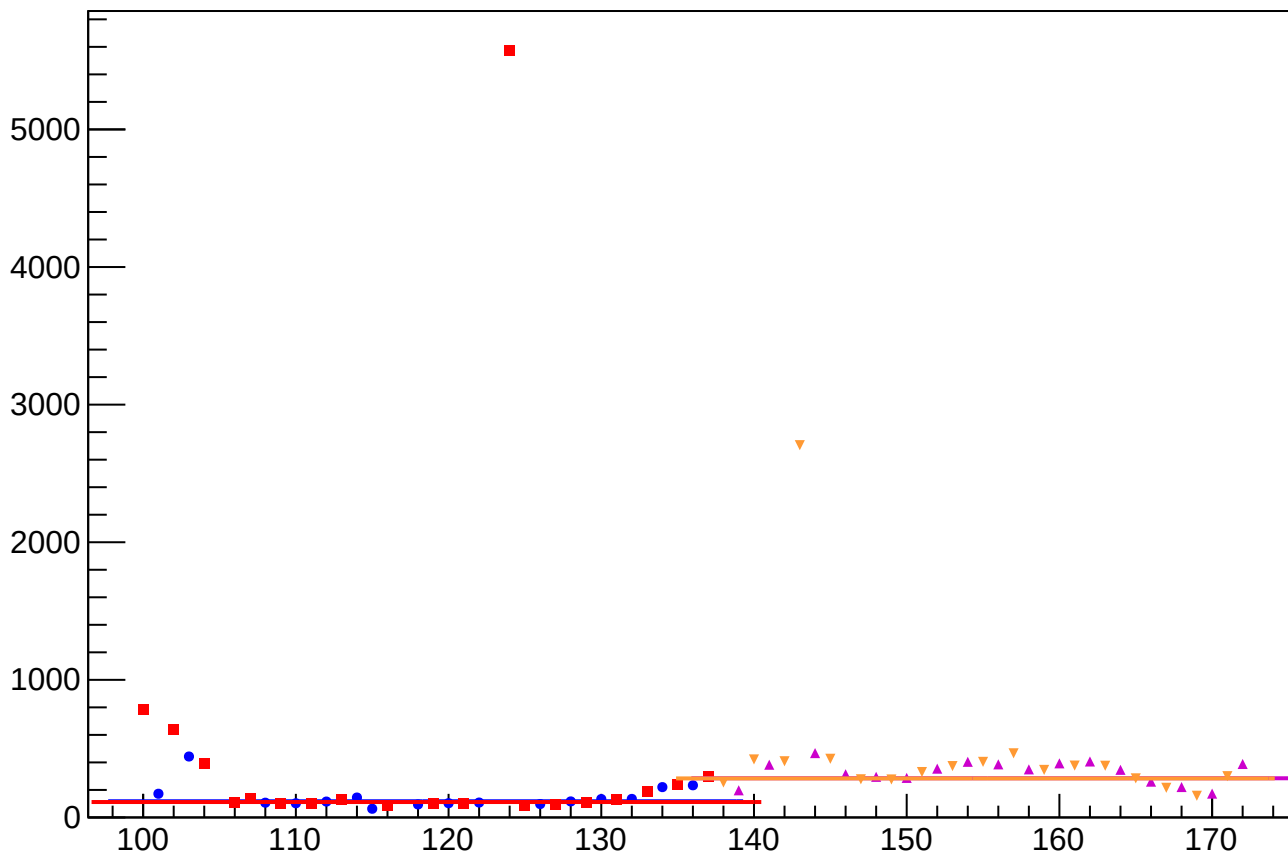
Left In: -0.066 $\pm$ 0.081 χ^2 /NDF:22.4/16

+ sign 0.022 $\pm$ 0.041 χ^2 /NDF: 38.7/33

All: 0.012 $\pm$ 0.029 χ^2 /NDF: 84.2/69

- sign 0.002 $\pm$ 0.040 χ^2 /NDF: 45.4/35

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.649 $\pm$ 0.034 χ^2 /NDF: 1722367.8/15

Left Out: 283.739 $\pm$ 0.058 χ^2 /NDF: 3705406.5/17

Right Out: 112.126 $\pm$ 0.033 χ^2 /NDF: 2186296.2/18

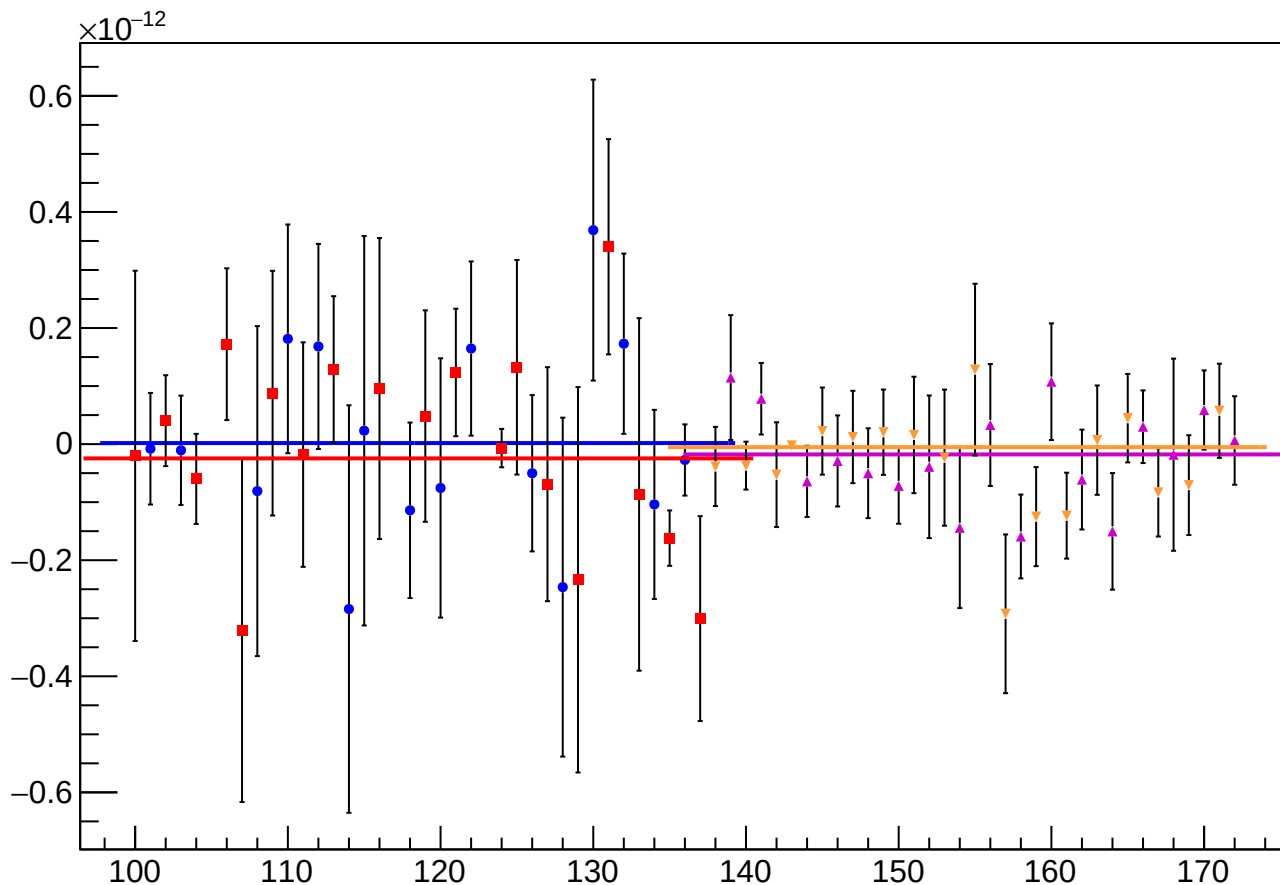
Left In: 284.786 $\pm$ 0.057 χ^2 /NDF: 2303718.3/16

+ sign 159.935 $\pm$ 0.029 χ^2 /NDF: 11551467.9/33

All: 157.802 $\pm$ 0.020 χ^2 /NDF: 22918254.8/69

- sign 155.756 $\pm$ 0.029 χ^2 /NDF: 11356361.3/35

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

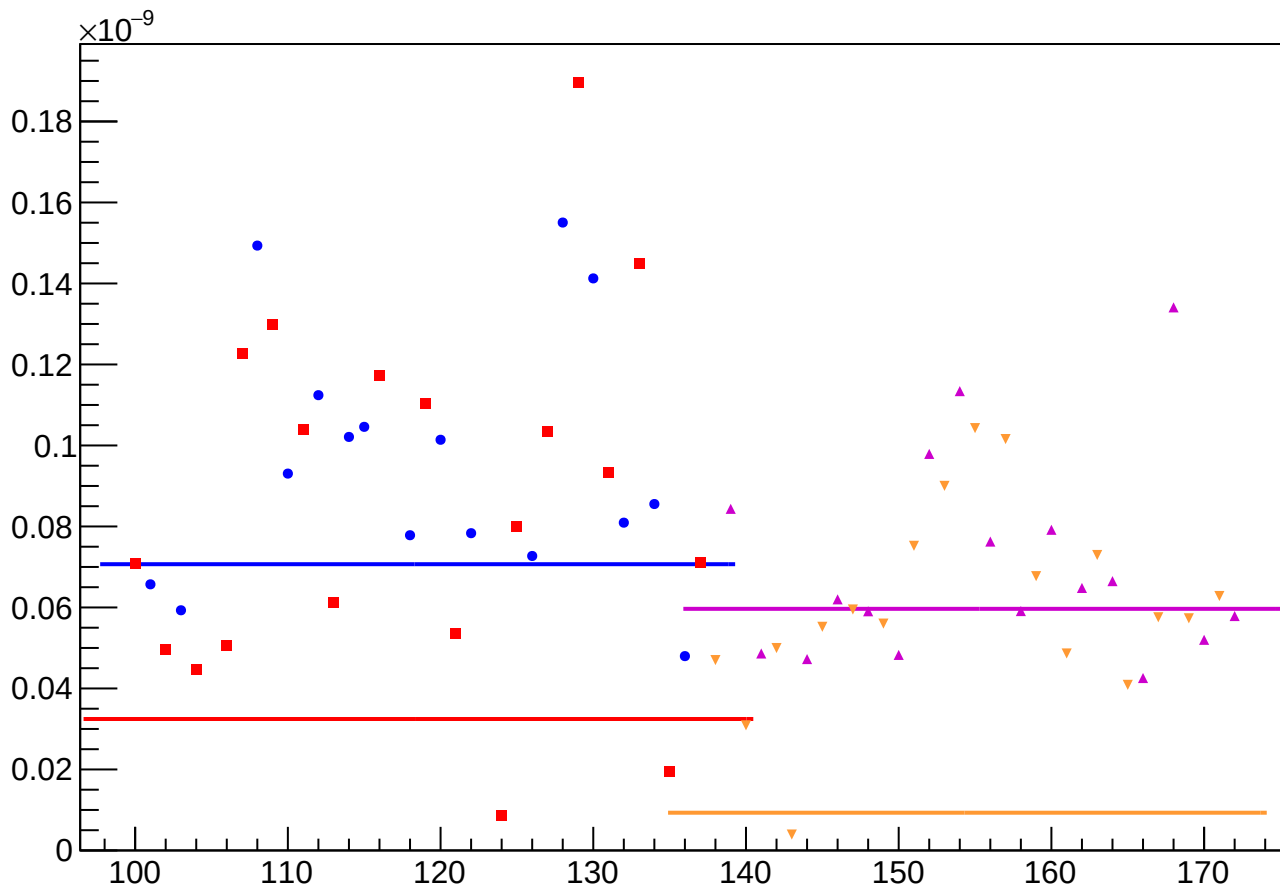
Left In: -0.000 ± 0.000 χ^2/NDF : 15.8/16

+ sign -0.000 ± 0.000 χ^2/NDF : 23.3/33

All: -0.000 ± 0.000 χ^2/NDF : 64.4/69

- sign -0.000 ± 0.000 χ^2/NDF : 40.1/35

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1023708.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13840167.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4449161.8/18

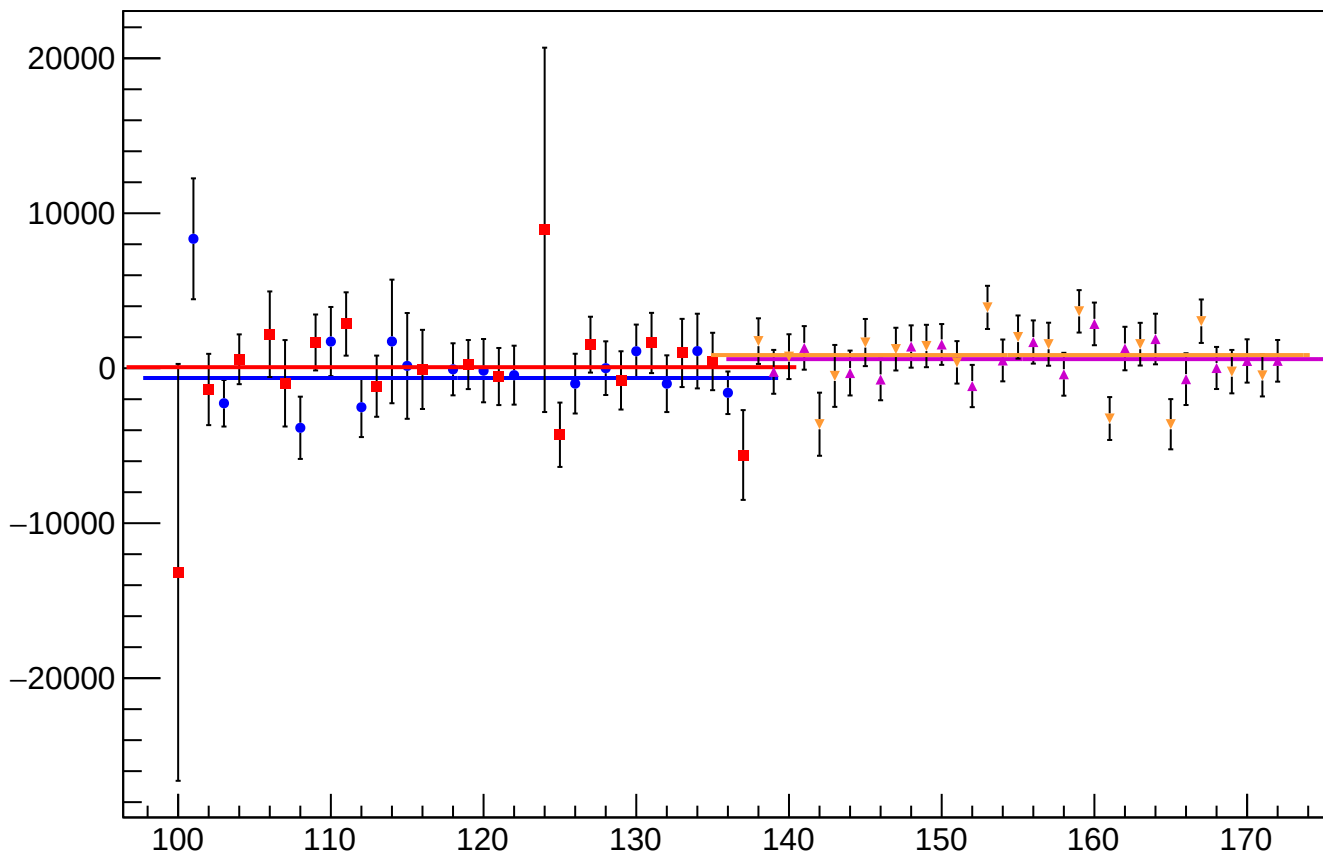
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1531757.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21008716.8/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 39180344.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7715237.7/35

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

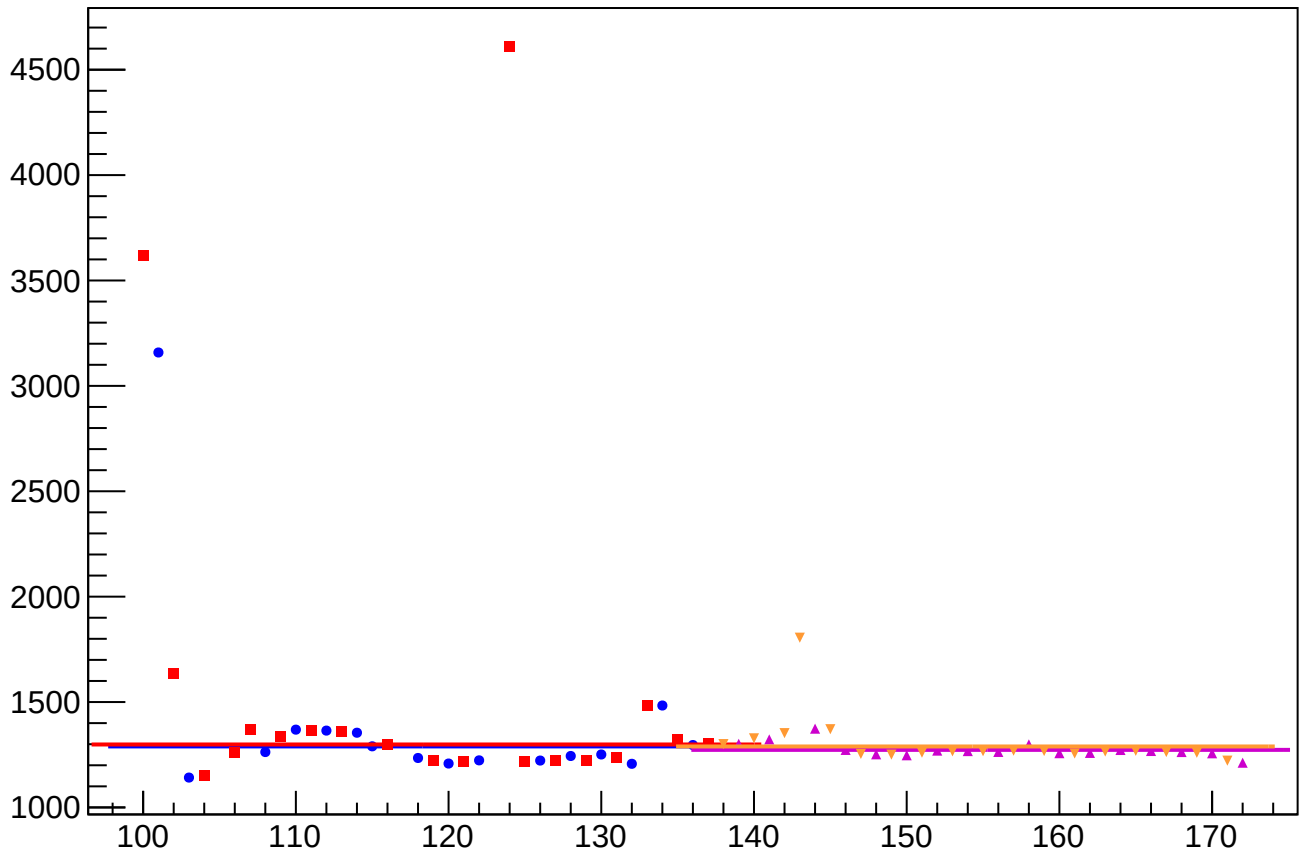
Left In: 587.016 ± 339.943 χ^2/NDF : 10.0/16

+ sign 362.118 ± 280.387 χ^2/NDF : 57.0/33

All: 389.814 ± 197.733 χ^2/NDF : 83.6/69

- sign 417.215 ± 278.892 χ^2/NDF : 26.6/35

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF:157144.9/17

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

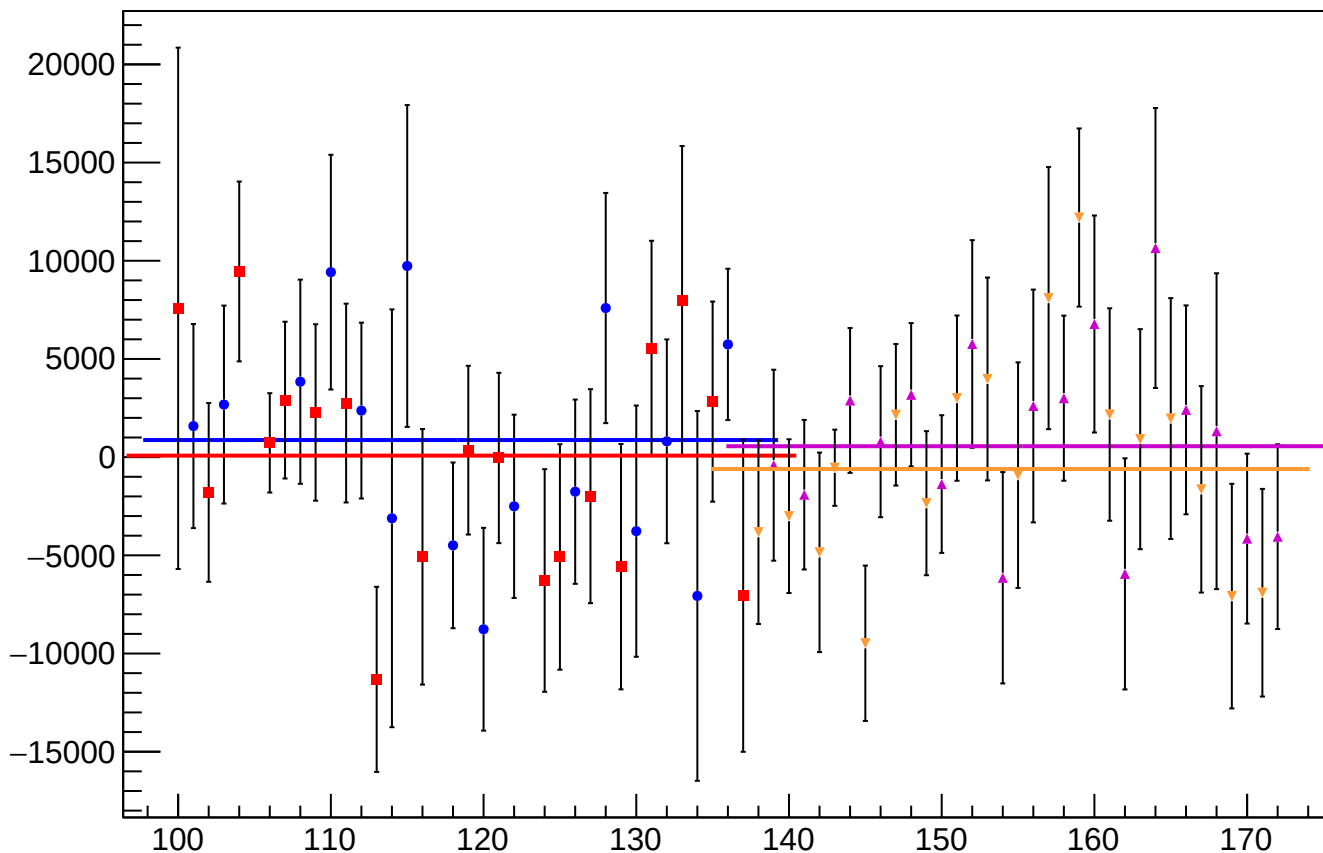
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF:20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671820.3/33

All: 1285.358 $\pm$ 0.140 χ^2 /NDF: 1015733.2/69

- sign 1281.472 $\pm$ 0.197 χ^2 /NDF: 343130.2/35

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -605.136 $\pm$ 989.466 χ^2 /NDF:21.8/17

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

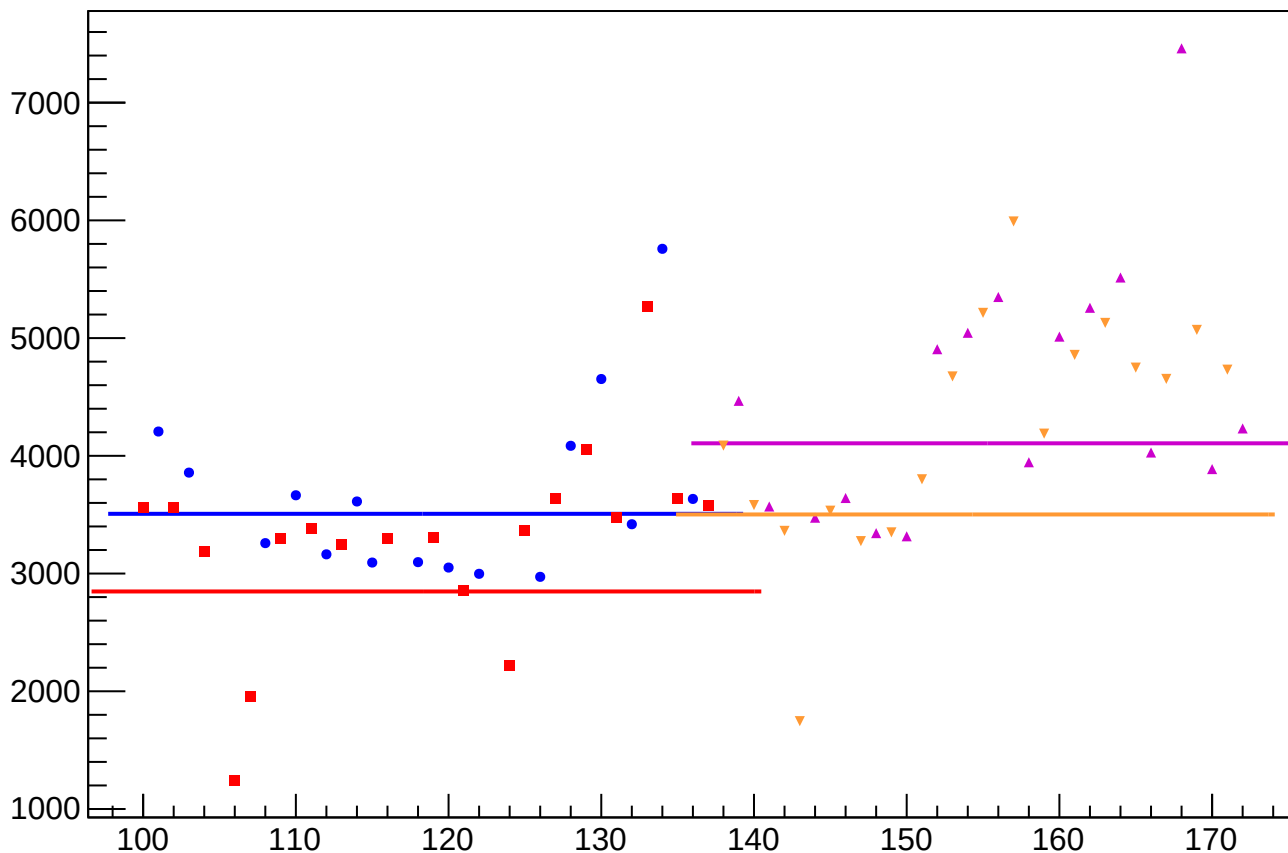
Left In: 556.387 $\pm$ 1121.530 χ^2 /NDF:11.4/16

+ sign -77.057 $\pm$ 792.861 χ^2 /NDF: 36.7/33

All: 119.654 $\pm$ 559.381 χ^2 /NDF: 66.7/69

- sign 314.612 $\pm$ 789.319 χ^2 /NDF: 29.9/35

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3507.397 $\pm$ 0.937 χ^2 /NDF: 353979.1/15

Left Out: 3501.994 $\pm$ 0.700 χ^2 /NDF:3030673.0/17

Right Out: 2847.833 $\pm$ 0.786 χ^2 /NDF: 1499373.6/18

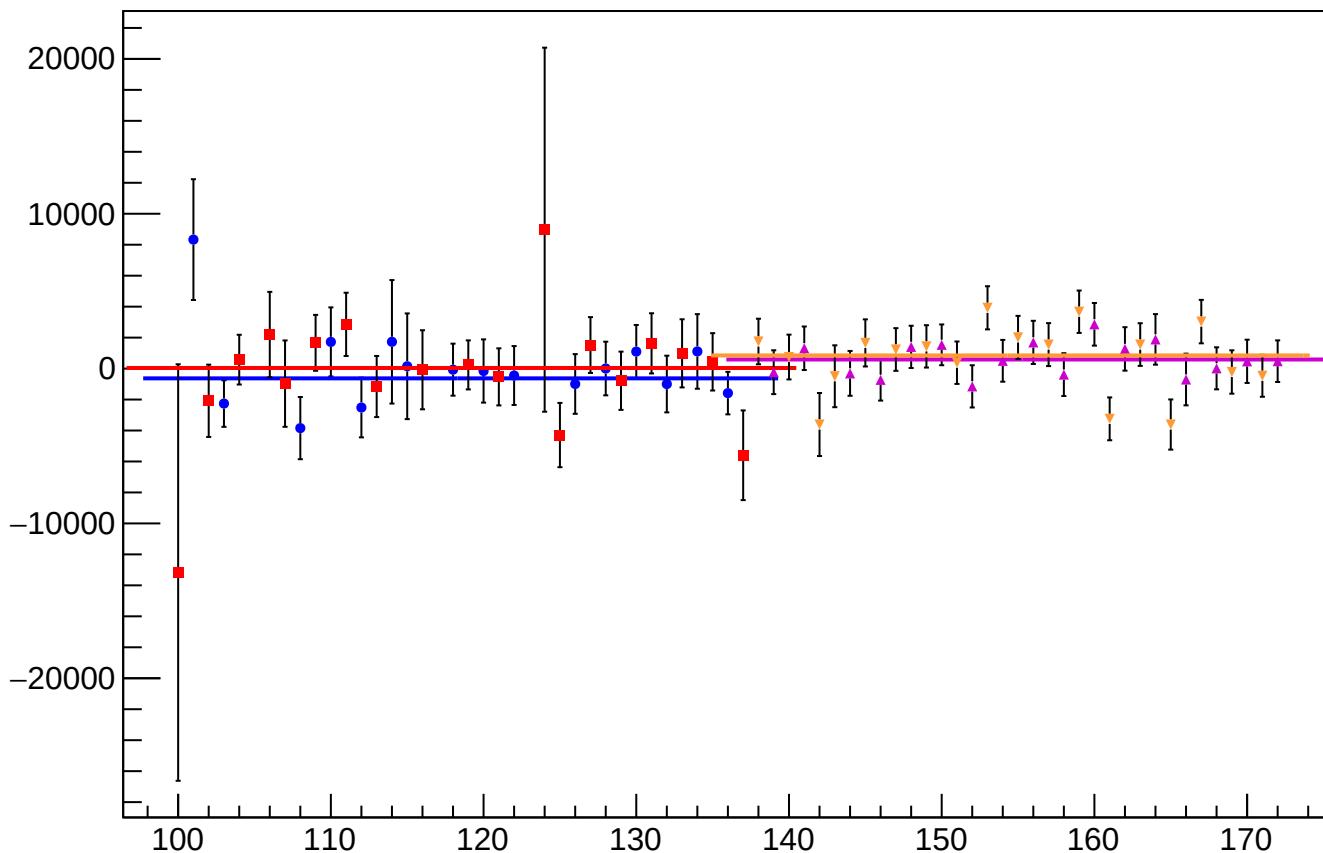
Left In: 4106.259 $\pm$ 0.793 χ^2 /NDF:1088548.5/16

+ sign 3503.928 $\pm$ 0.561 χ^2 /NDF: 3384673.4/33

All: 3487.467 $\pm$ 0.396 χ^2 /NDF: 7245128.5/69

- sign 3471.153 $\pm$ 0.558 χ^2 /NDF: 3858738.6/35

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

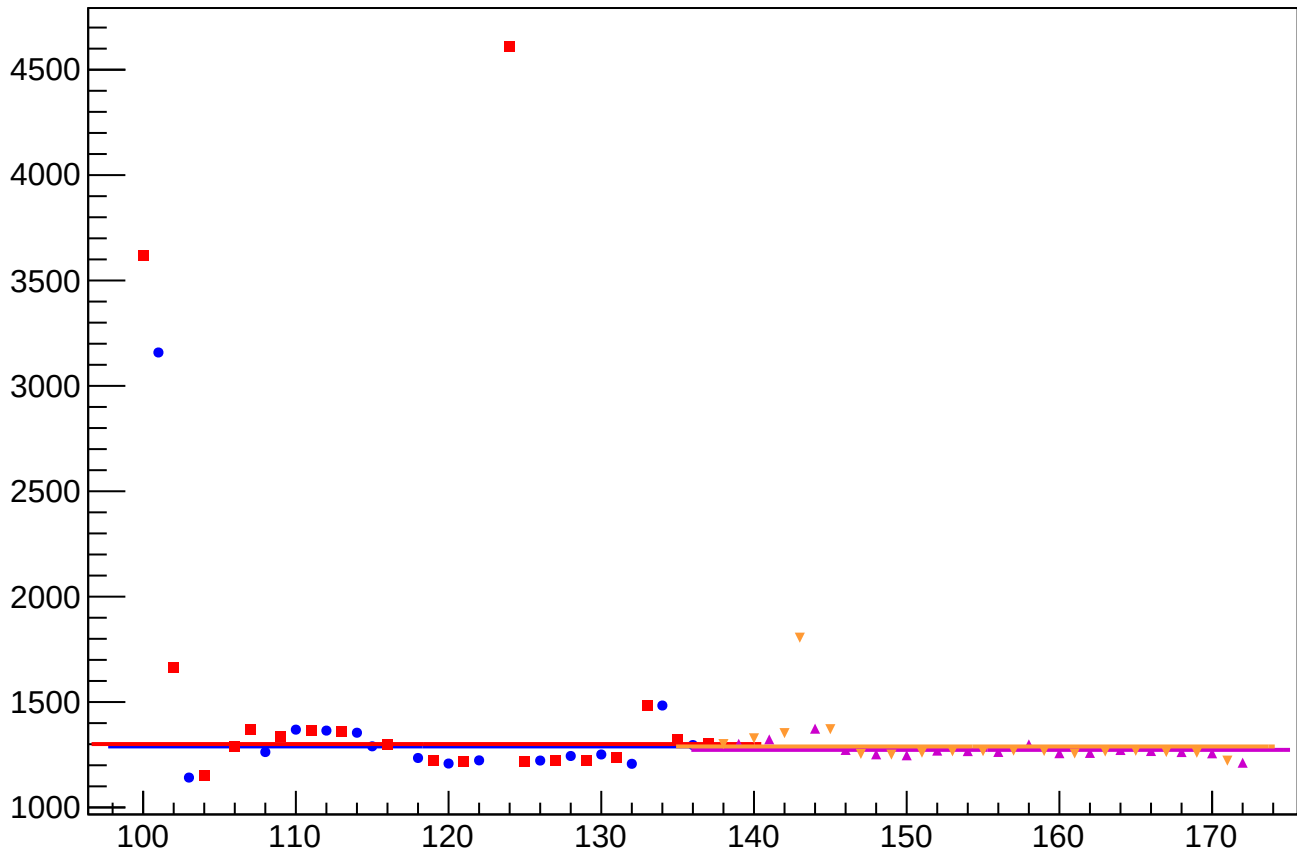
Left In: 586.987 ± 339.943 χ^2/NDF : 10.0/16

+ sign 362.015 ± 280.387 χ^2/NDF : 57.0/33

All: 385.059 ± 197.754 χ^2/NDF : 84.1/69

- sign 407.869 ± 278.952 χ^2/NDF : 27.1/35

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

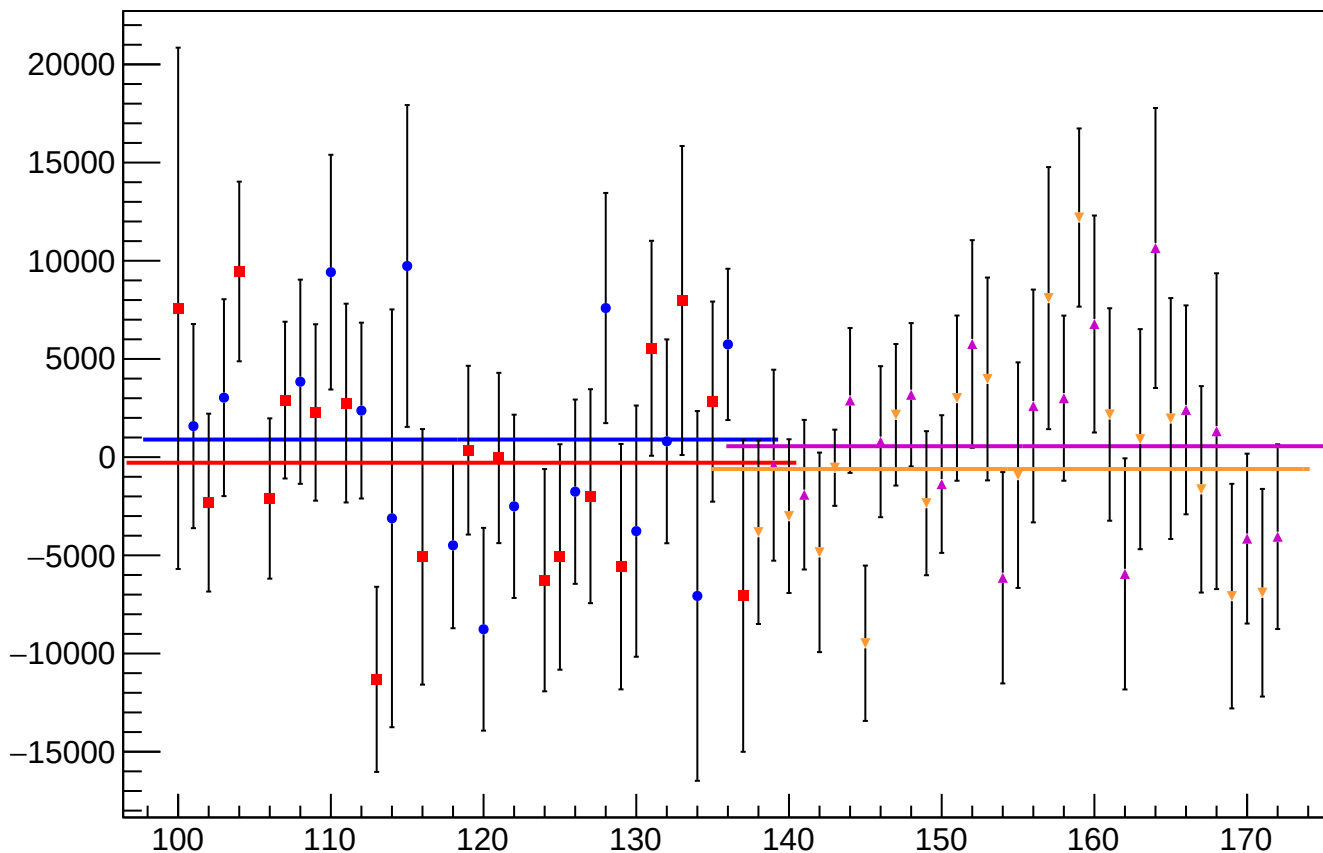
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -605.046 $\pm$ 989.464 χ^2 /NDF:21.8/17

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

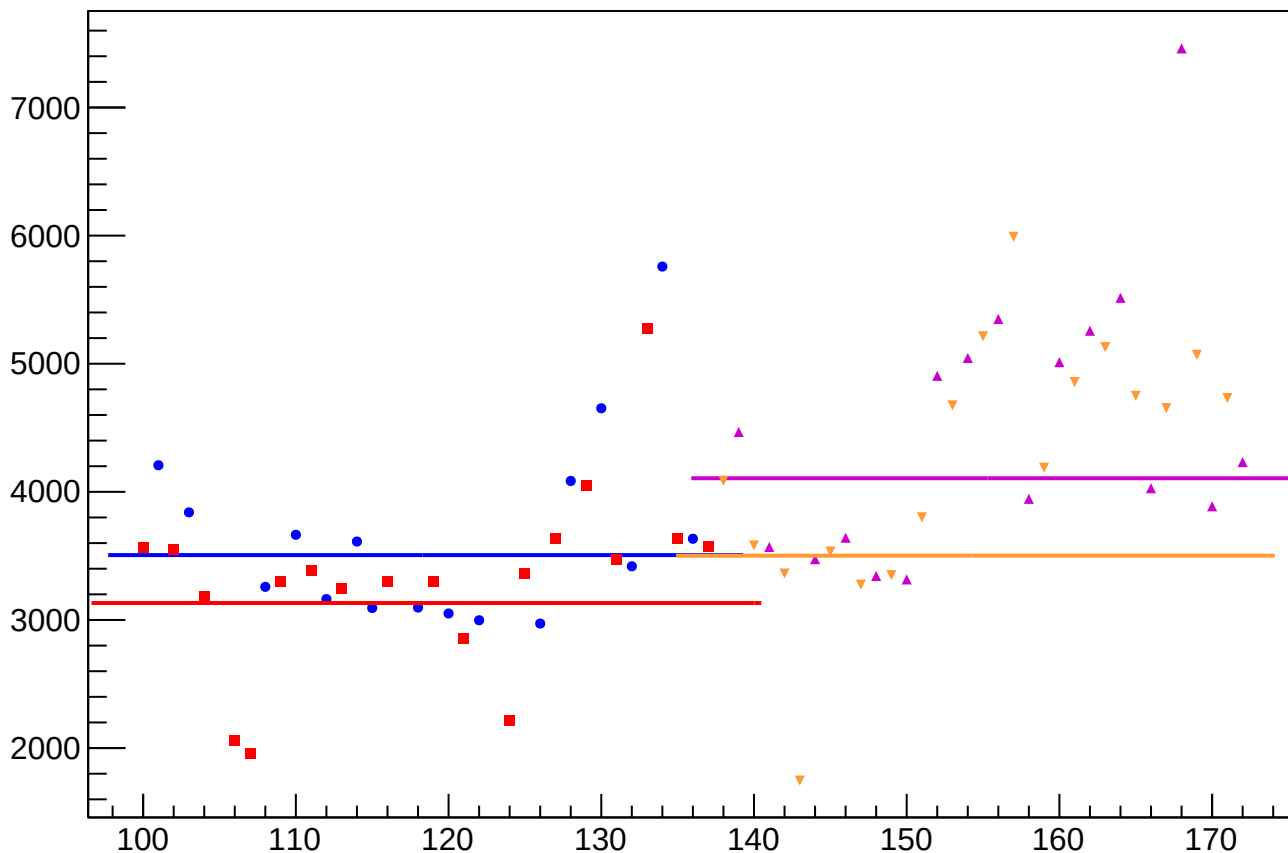
Left In: 556.396 $\pm$ 1121.529 χ^2 /NDF:11.4/16

+ sign -67.557 $\pm$ 792.763 χ^2 /NDF: 36.8/33

All: 42.576 $\pm$ 567.914 χ^2 /NDF: 67.1/69

- sign 158.677 $\pm$ 813.960 χ^2 /NDF: 30.3/35

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3501.985 $\pm$ 0.700 χ^2 /NDF: 3030703.1/17

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

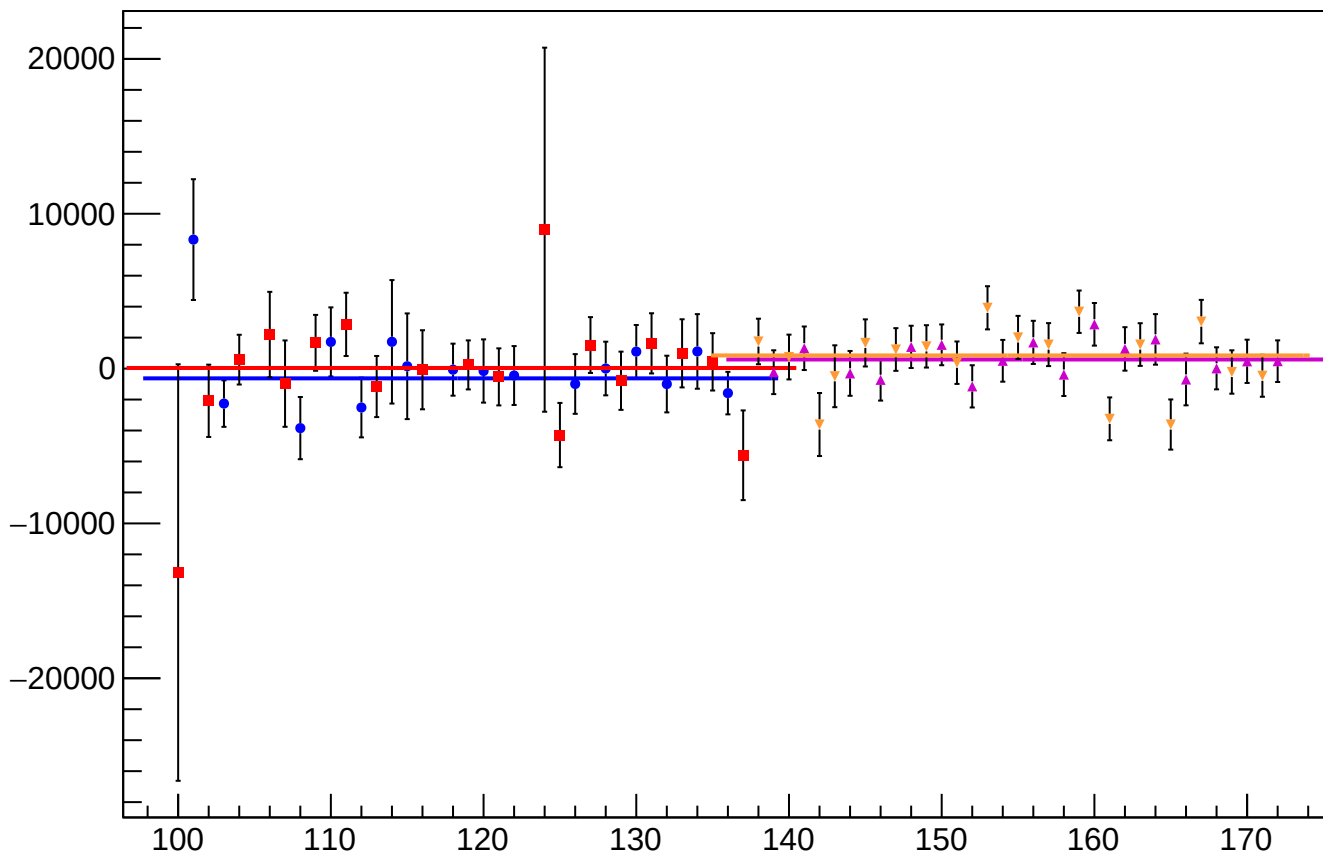
Left In: 4106.254 $\pm$ 0.793 χ^2 /NDF: 1088550.0/16

+ sign 3503.596 $\pm$ 0.561 χ^2 /NDF: 3383955.6/33

All: 3572.649 $\pm$ 0.402 χ^2 /NDF: 5866702.8/69

- sign 3645.444 $\pm$ 0.576 χ^2 /NDF: 2451576.1/35

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

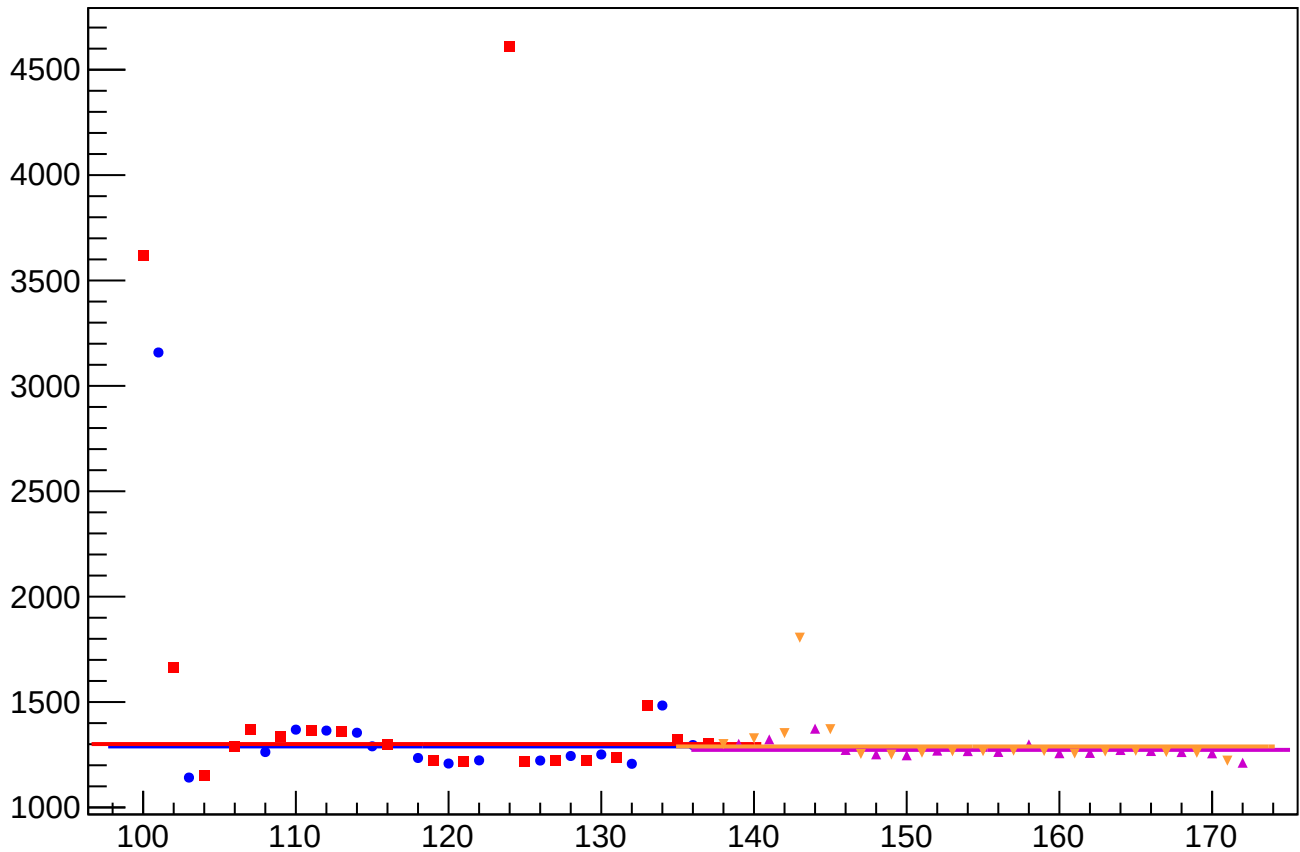
Left In: 586.987+/-339.943 χ^2/NDF : 10.0/16

+ sign 362.015+/-280.387 χ^2/NDF : 57.0/33

All: 385.059+/-197.754 χ^2/NDF : 84.1/69

- sign 407.869+/-278.952 χ^2/NDF : 27.1/35

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

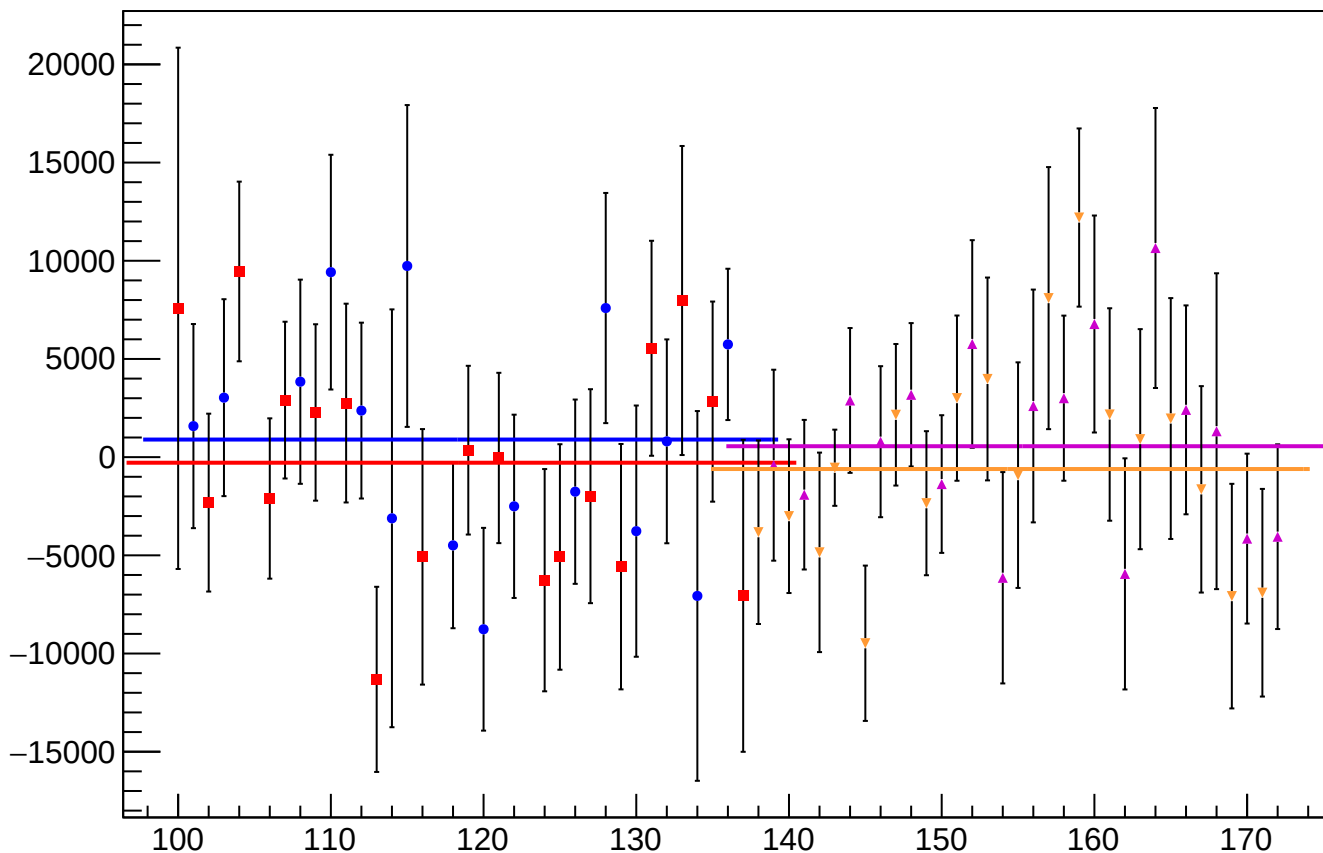
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -605.046 $\pm$ 989.464 χ^2 /NDF:21.8/17

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

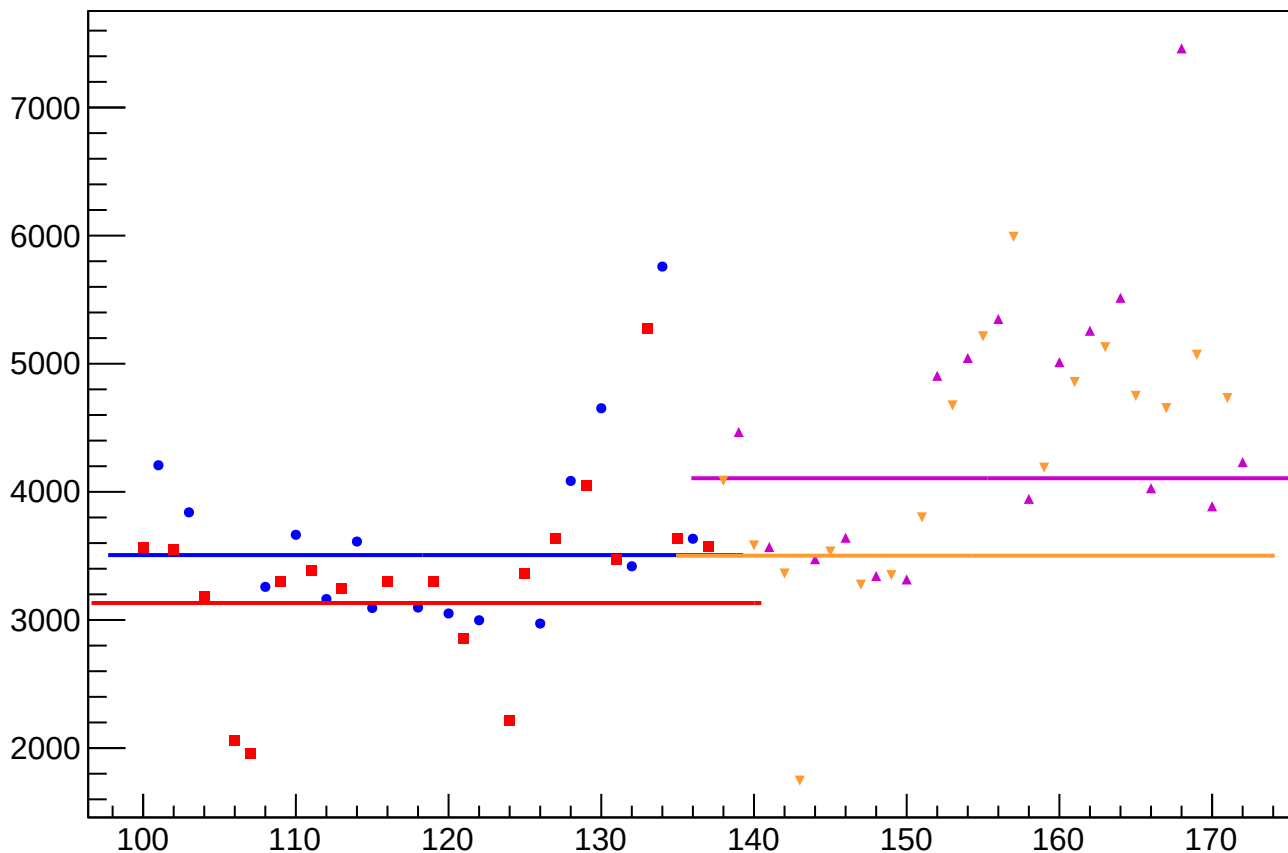
Left In: 556.396 $\pm$ 1121.529 χ^2 /NDF:11.4/16

+ sign -67.557 $\pm$ 792.763 χ^2 /NDF: 36.8/33

All: 42.576 $\pm$ 567.914 χ^2 /NDF: 67.1/69

- sign 158.677 $\pm$ 813.960 χ^2 /NDF: 30.3/35

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



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

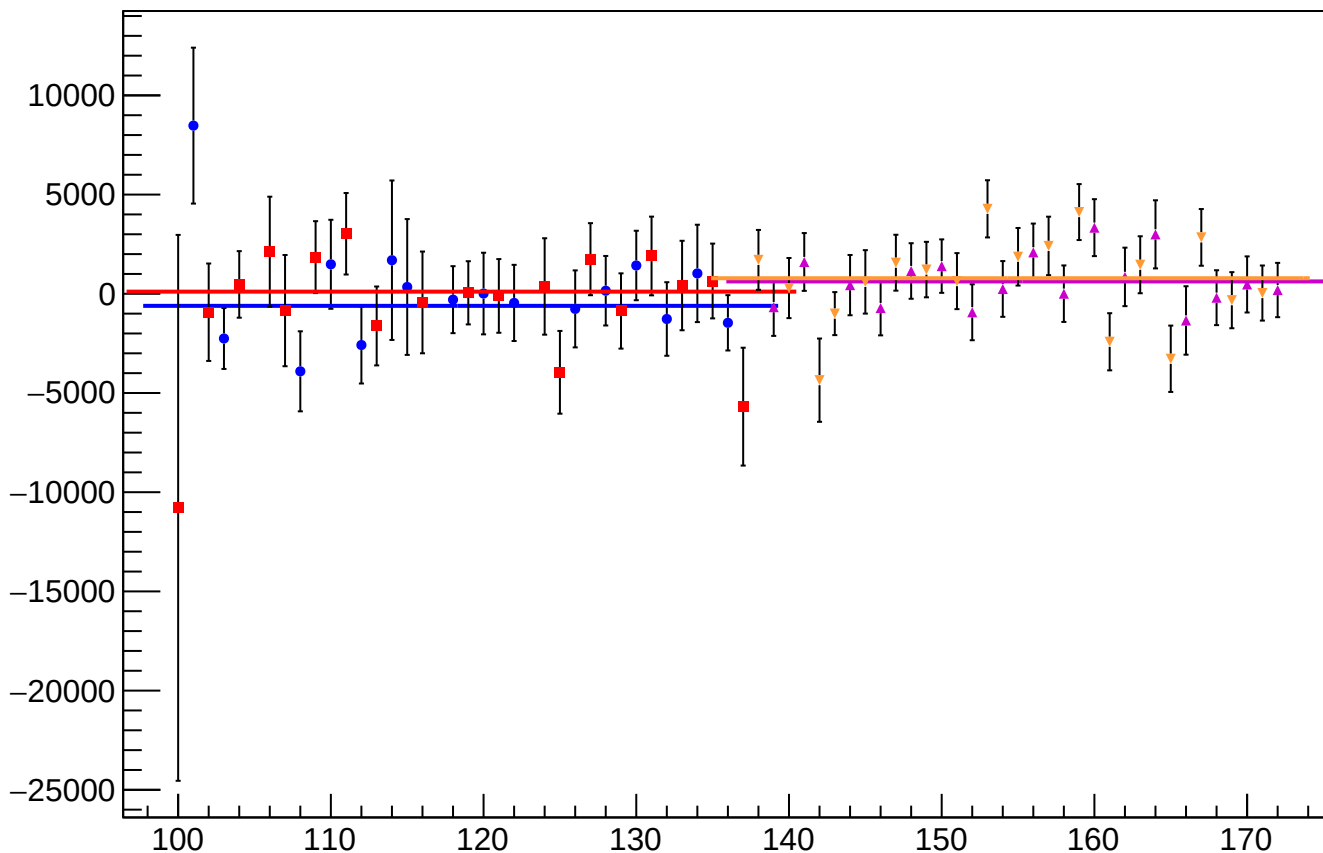
Left In: 4106.254+/-0.793 χ^2/NDF : 1088550.0/16

+ sign 3503.596+/-0.561 χ^2/NDF : 3383955.6/33

All: 3572.649+/-0.402 χ^2/NDF : 5866702.8/69

- sign 3645.444+/-0.576 χ^2/NDF : 2451576.1/35

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

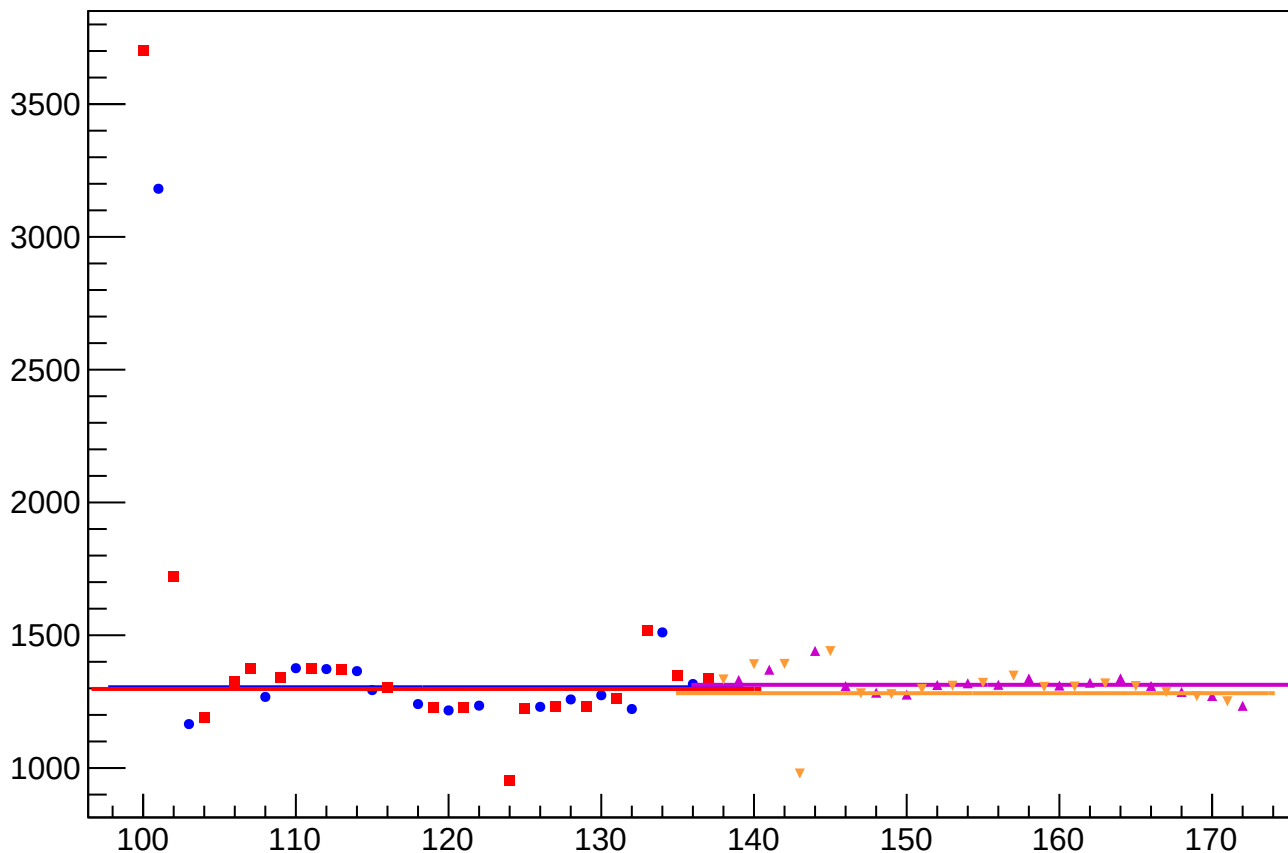
Left In: 623.077 ± 350.788 χ^2/NDF : 12.5/16

+ sign 335.786 ± 280.500 χ^2/NDF : 56.4/33

All: 390.461 ± 199.689 χ^2/NDF : 84.5/69

- sign 446.646 ± 284.346 χ^2/NDF : 28.1/35

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1281.781 $\pm$ 0.241 χ^2 /NDF: 204276.8/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

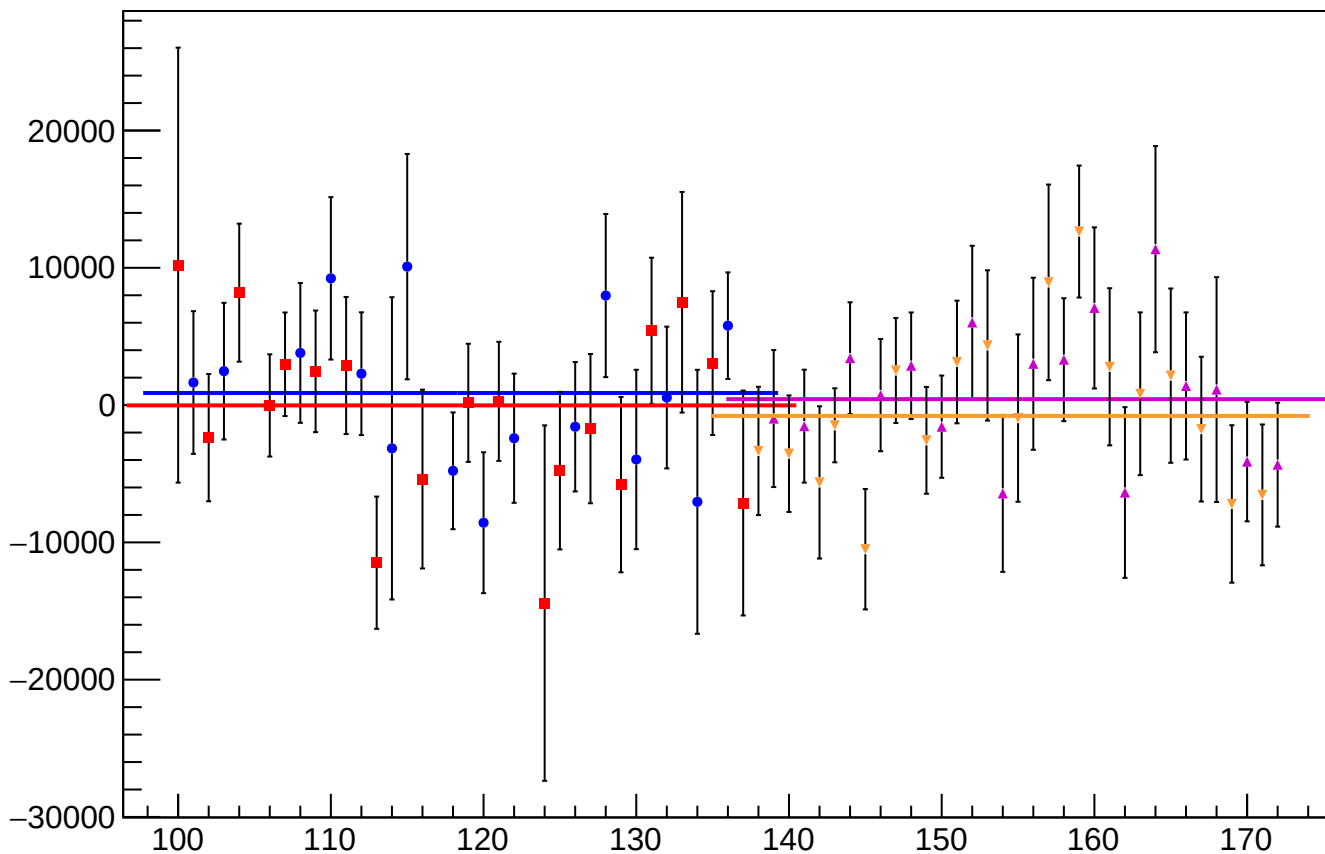
Left In: 1313.353 $\pm$ 0.248 χ^2 /NDF: 30163.2/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717631.8/33

All: 1298.365 $\pm$ 0.141 χ^2 /NDF: 966788.1/69

- sign 1308.012 $\pm$ 0.201 χ^2 /NDF: 244610.4/35

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: 884.058 $\pm$ 1327.399 χ^2 /NDF: 14.1/15

Left Out: -787.990 $\pm$ 1104.859 χ^2 /NDF:21.9/17

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

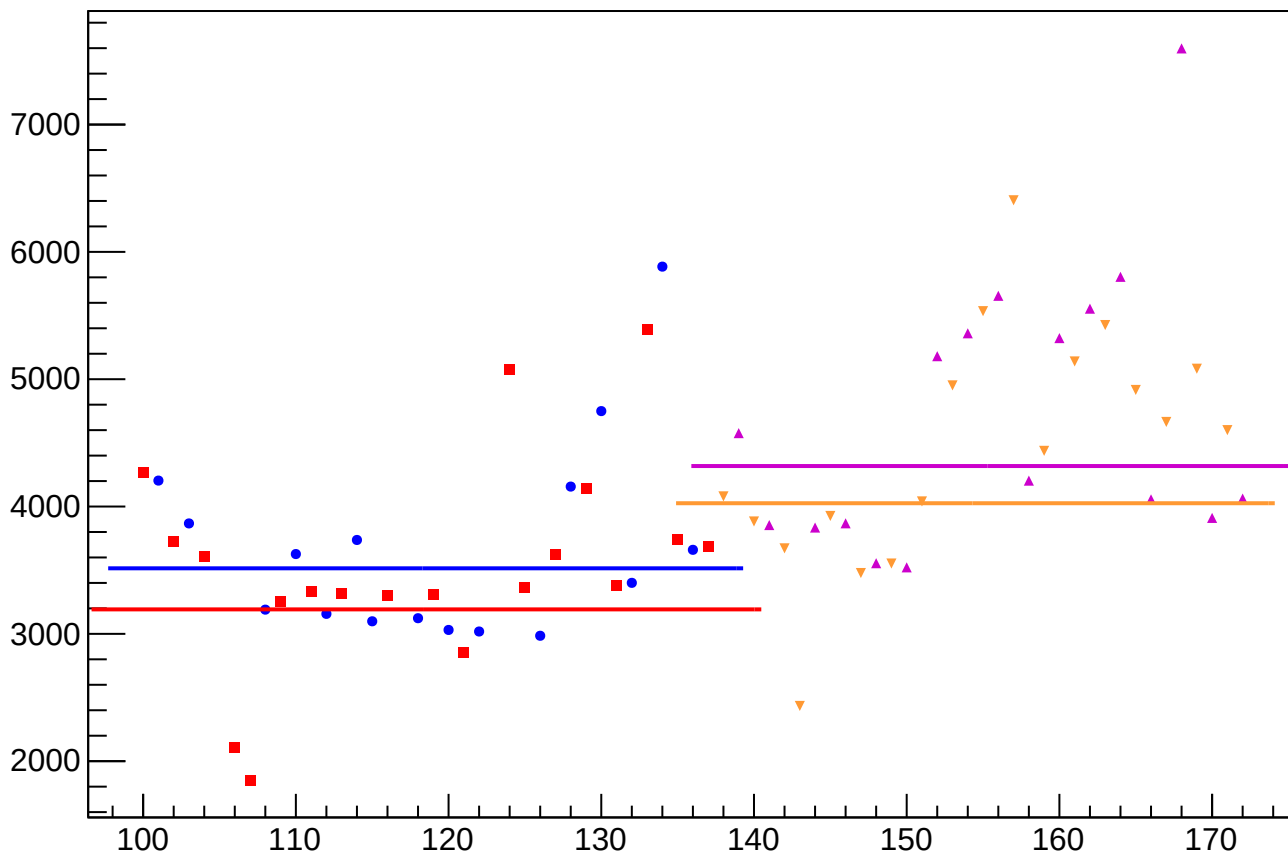
Left In: 434.012 $\pm$ 1178.168 χ^2 /NDF:11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2 /NDF: 375078.6/15

Left Out: 4025.912 $\pm$ 0.781 χ^2 /NDF:1545161.3/17

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

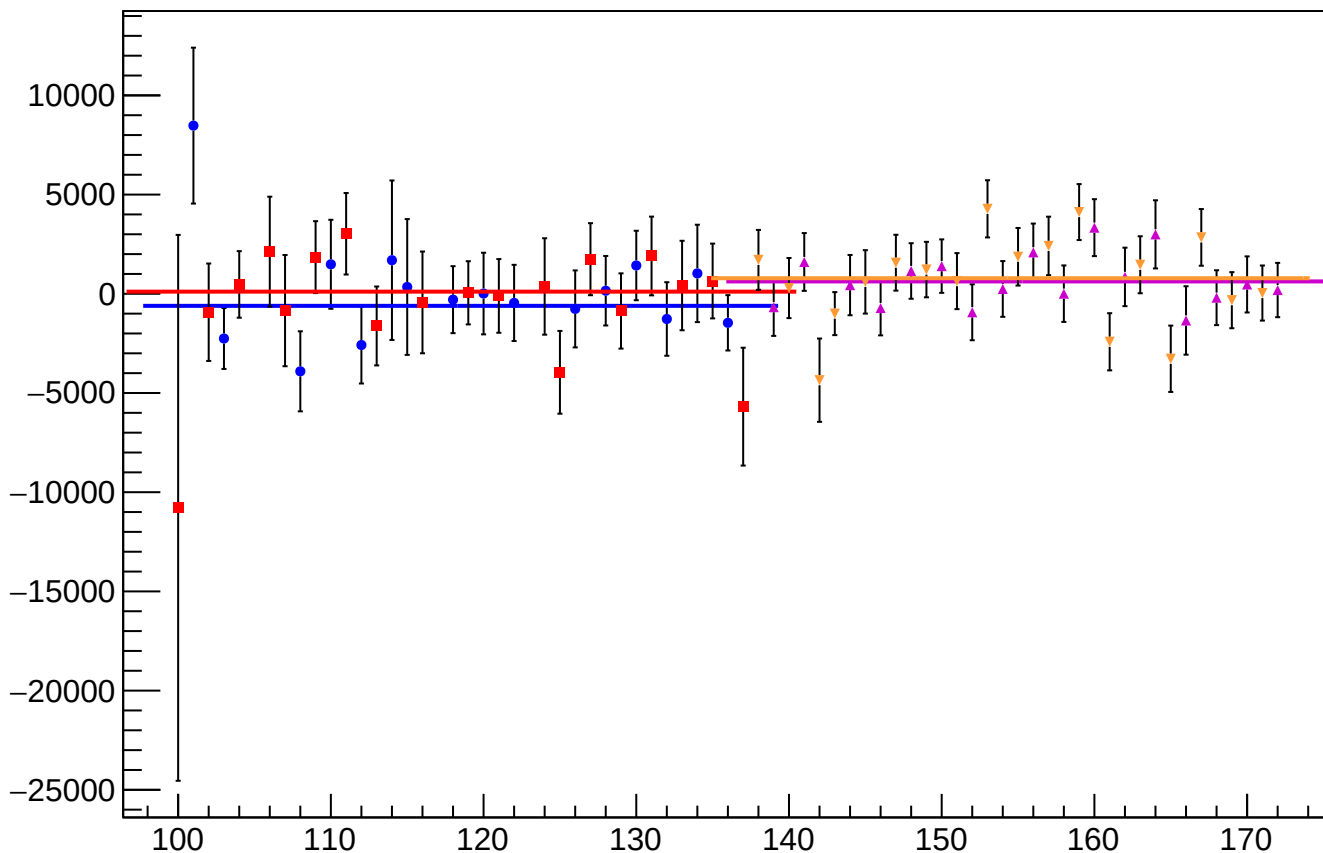
Left In: 4318.026 $\pm$ 0.833 χ^2 /NDF:1024028.2/16

+ sign 3816.710 $\pm$ 0.600 χ^2 /NDF: 2095444.4/33

All: 3790.826 $\pm$ 0.422 χ^2 /NDF: 4791987.5/69

- sign 3765.456 $\pm$ 0.594 χ^2 /NDF: 2692863.6/35

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



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

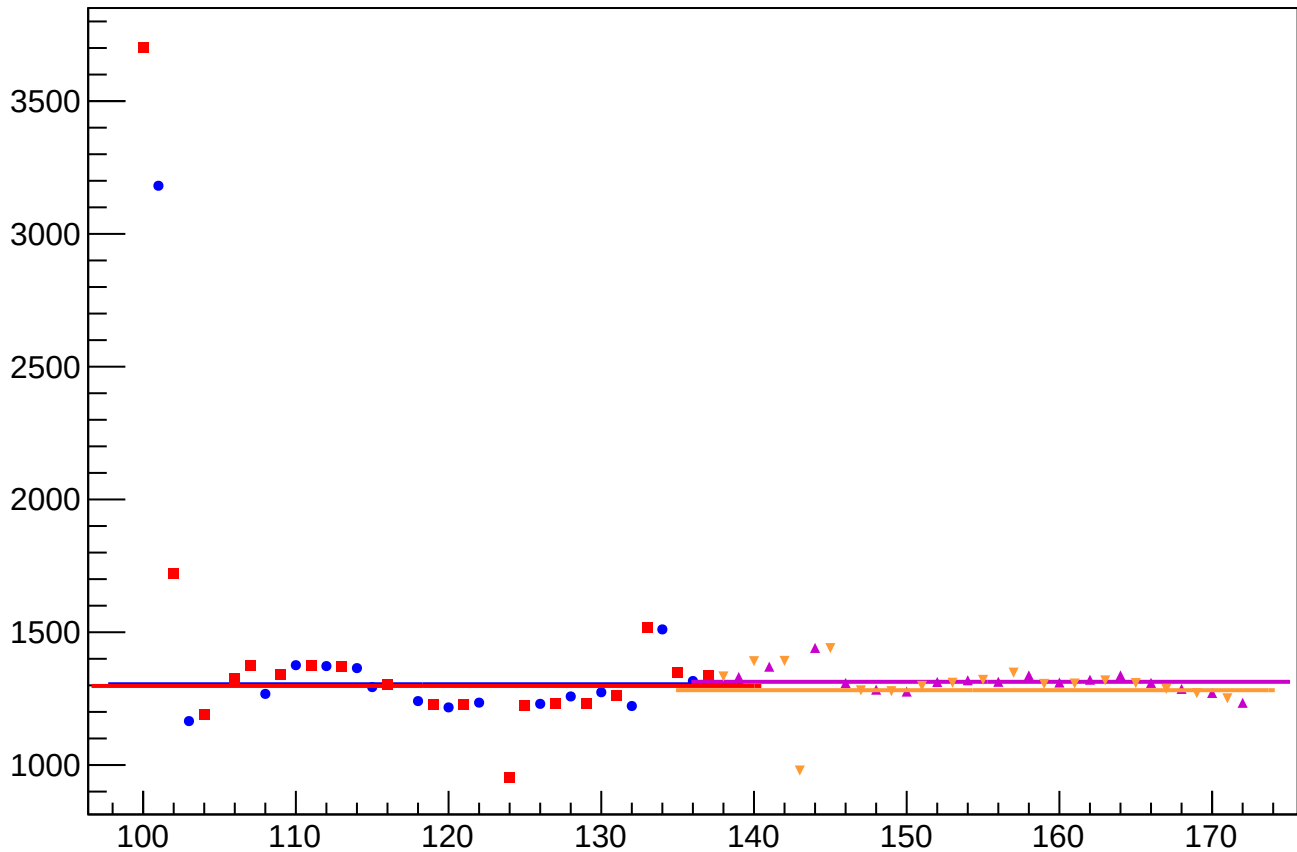
Left In: 623.078 ± 350.788 χ^2/NDF : 12.5/16

+ sign 335.786 ± 280.500 χ^2/NDF : 56.4/33

All: 390.462 ± 199.689 χ^2/NDF : 84.5/69

- sign 446.648 ± 284.346 χ^2/NDF : 28.1/35

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1281.782 $\pm$ 0.241 χ^2 /NDF: 204277.7/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

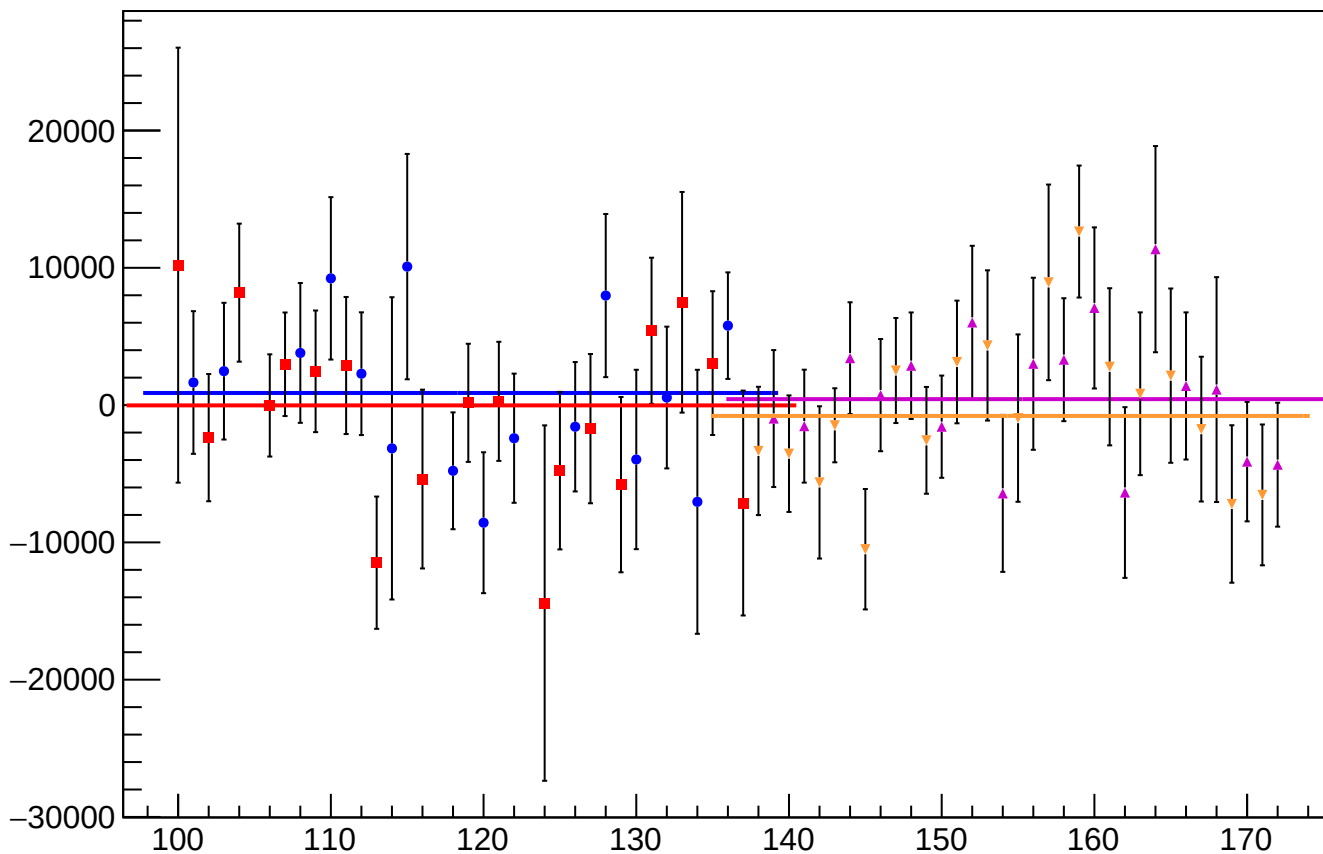
Left In: 1313.354 $\pm$ 0.248 χ^2 /NDF: 30163.9/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717632.7/33

All: 1298.366 $\pm$ 0.141 χ^2 /NDF: 966789.9/69

- sign 1308.013 $\pm$ 0.201 χ^2 /NDF: 244611.3/35

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 884.047 $\pm$ 1327.396 χ^2 /NDF: 14.1/15

Left Out: -787.988 $\pm$ 1104.861 χ^2 /NDF: 21.9/17

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

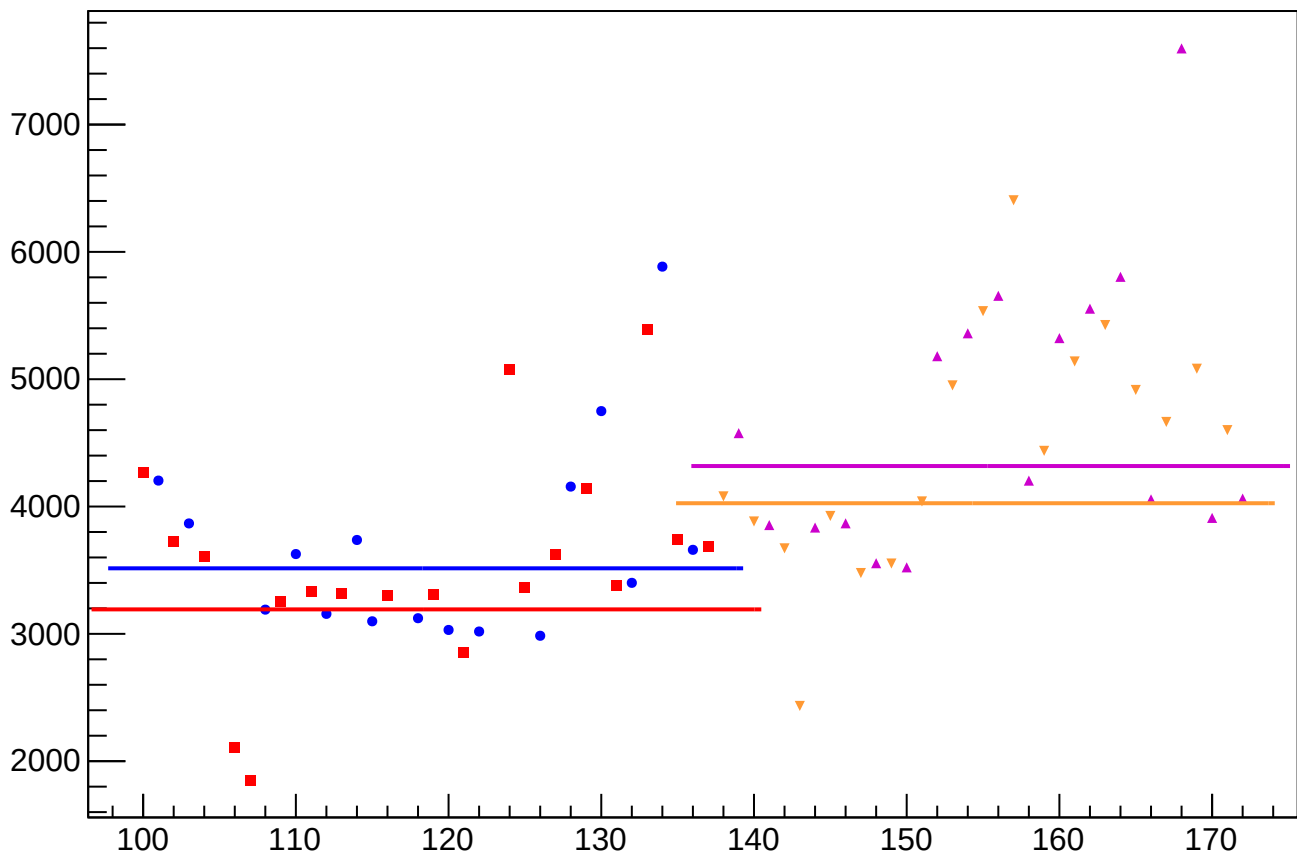
Left In: 434.011 $\pm$ 1178.170 χ^2 /NDF: 11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 4025.918 $\pm$ 0.781 χ^2 /NDF:1545162.6/17

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

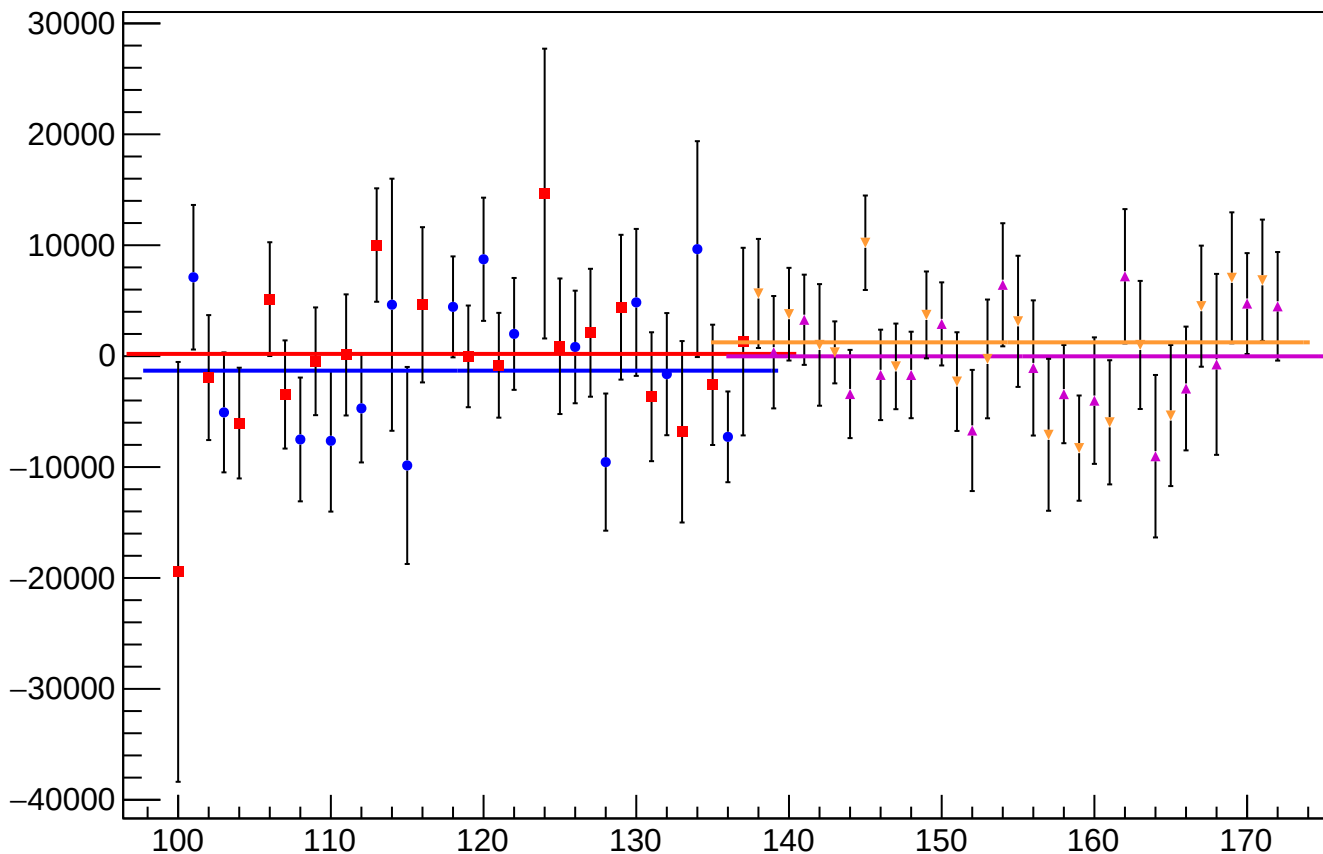
Left In: 4318.032 $\pm$ 0.833 χ^2 /NDF:1024030.4/16

+ sign 3816.709 $\pm$ 0.600 χ^2 /NDF: 2095460.5/33

All: 3790.824 $\pm$ 0.422 χ^2 /NDF: 4792031.2/69

- sign 3765.453 $\pm$ 0.594 χ^2 /NDF: 2692891.0/35

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

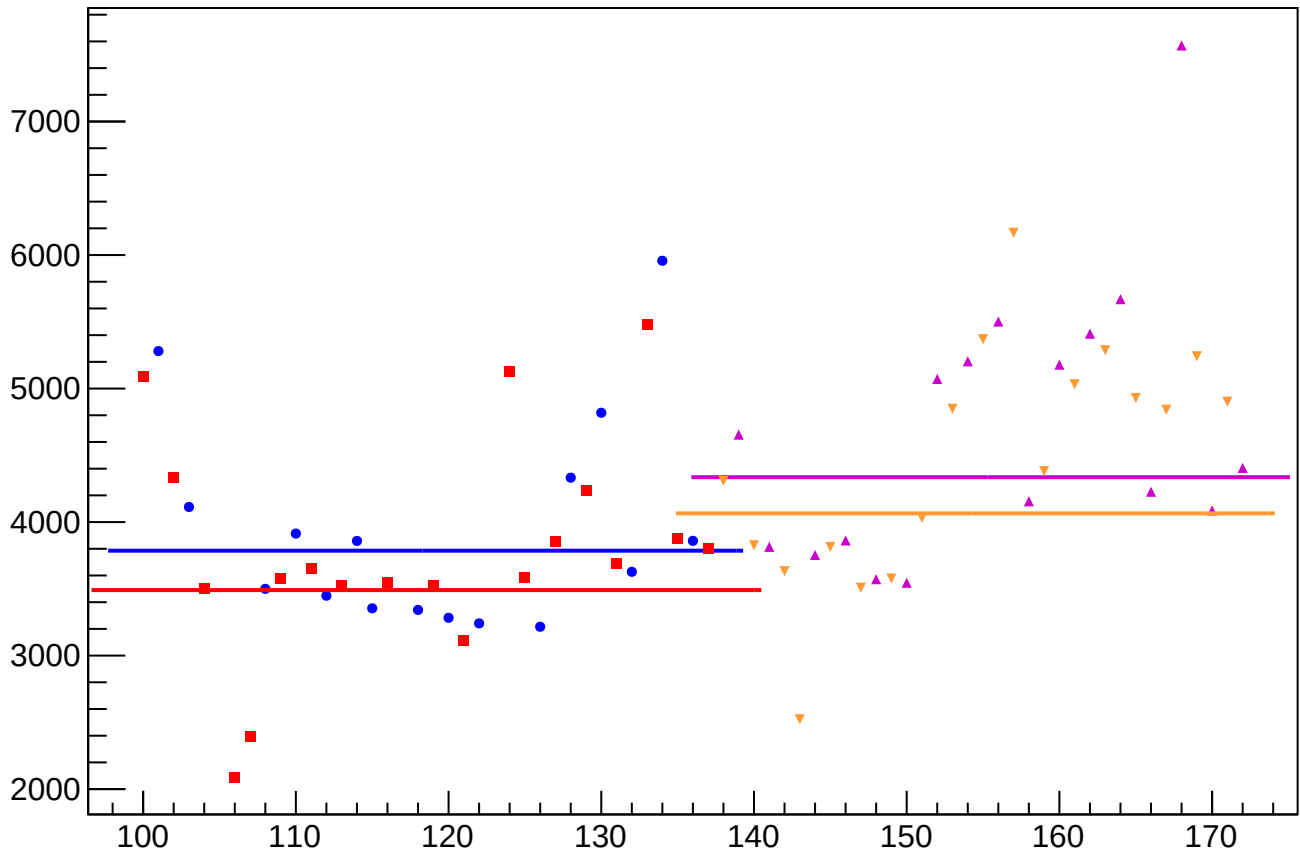
Left In: -16.762 ± 1180.340 χ^2/NDF : 11.5/16

+ sign 283.601 ± 877.958 χ^2/NDF : 37.4/33

All: 182.047 ± 623.139 χ^2/NDF : 60.6/69

- sign 78.955 ± 884.584 χ^2/NDF : 23.1/35

asym_atl_dd_atr_dd_avg_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

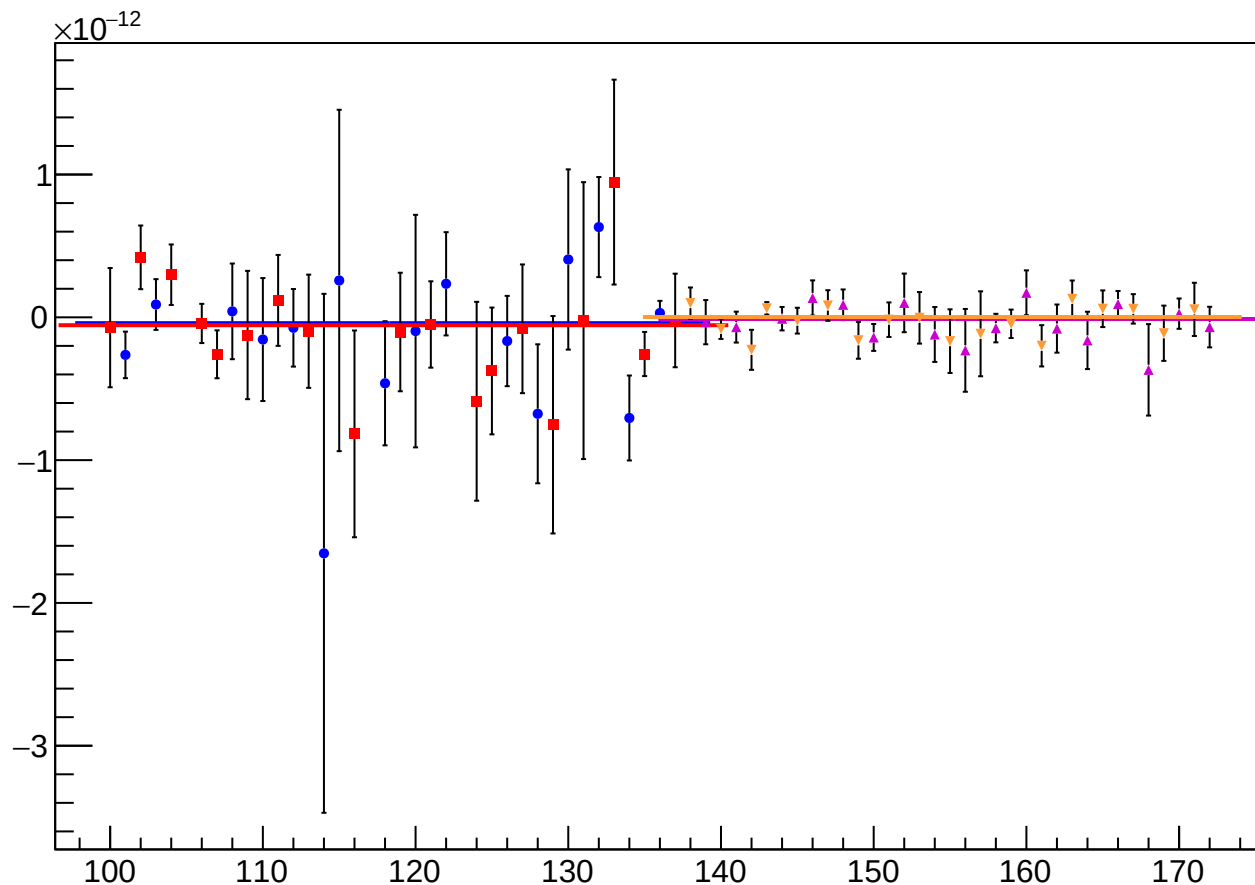
Left In: 4336.304+/-0.835 χ^2/NDF :932690.4/16

+ sign 3960.082+/-0.621 χ^2/NDF : 1832961.4/33

All: 3959.975+/-0.439 χ^2/NDF : 3809370.1/69

- sign 3959.868+/-0.622 χ^2/NDF : 1976408.6/35

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2 /NDF:13.8/17

Right Out: -0.000+/-0.000 χ^2 /NDF: 15.9/18

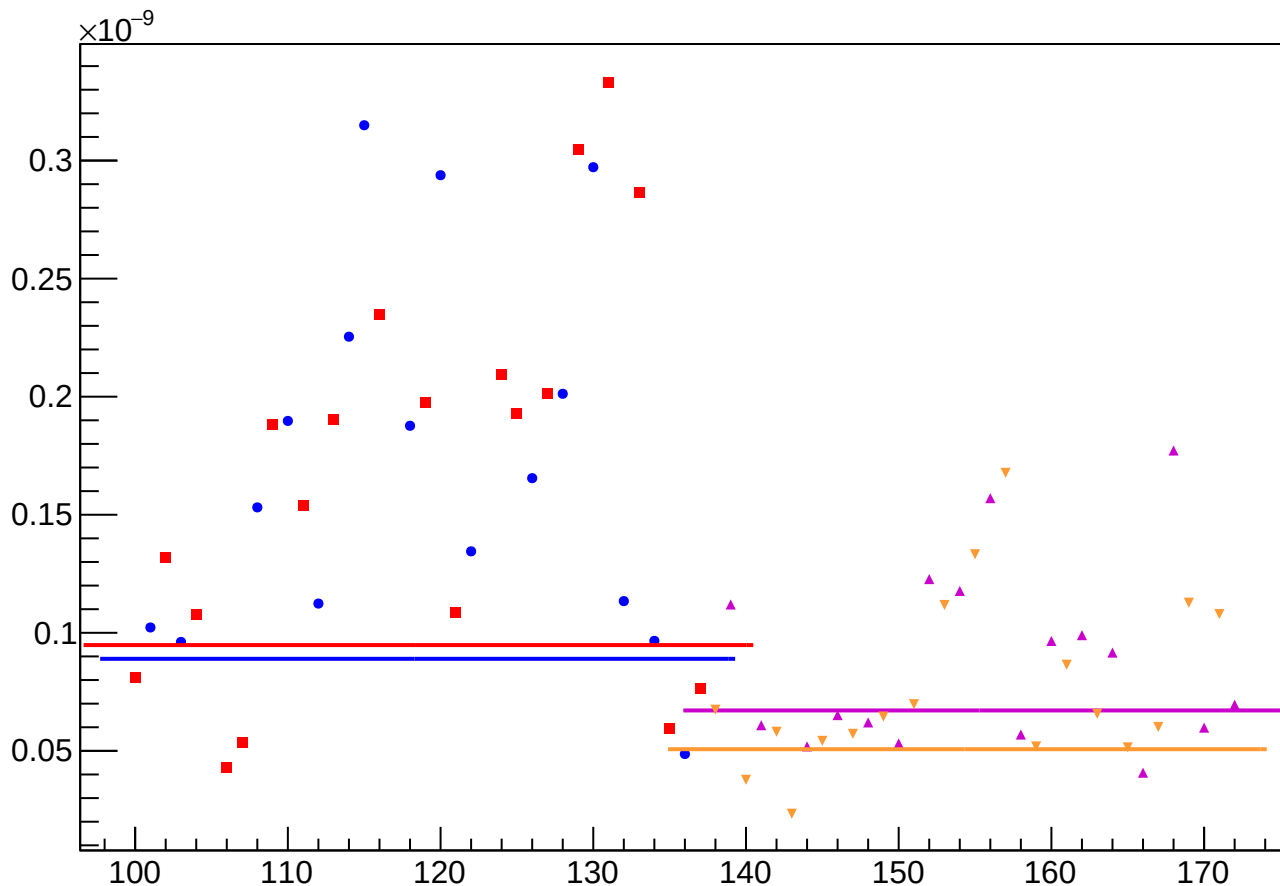
Left In: -0.000+/-0.000 χ^2 /NDF:11.0/16

+ sign -0.000+/-0.000 χ^2 /NDF: 30.9/33

All: -0.000+/-0.000 χ^2 /NDF: 58.3/69

- sign -0.000+/-0.000 χ^2 /NDF: 27.2/35

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



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

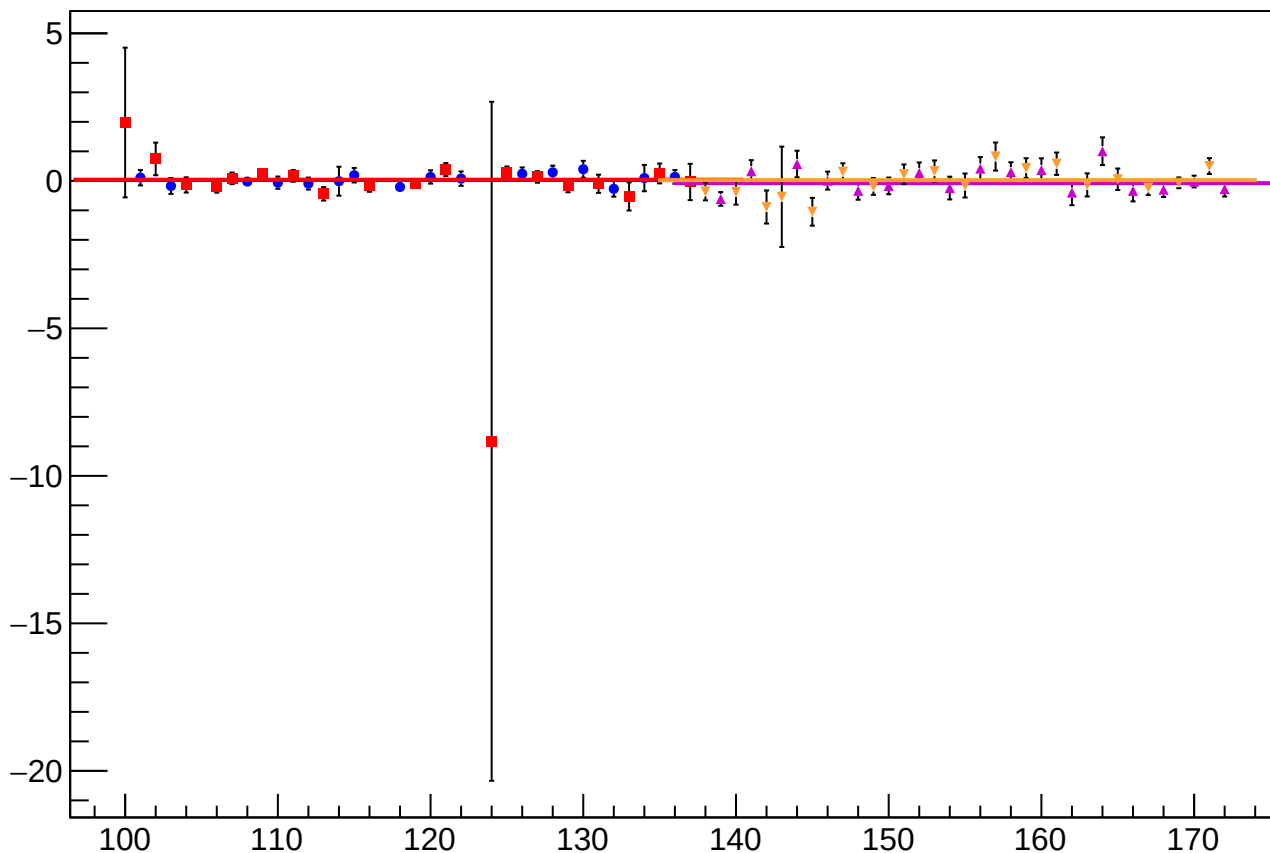
Left In: 0.000+/-0.000 χ^2/NDF : 1375148.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF : 8342582.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3414862.9/35

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

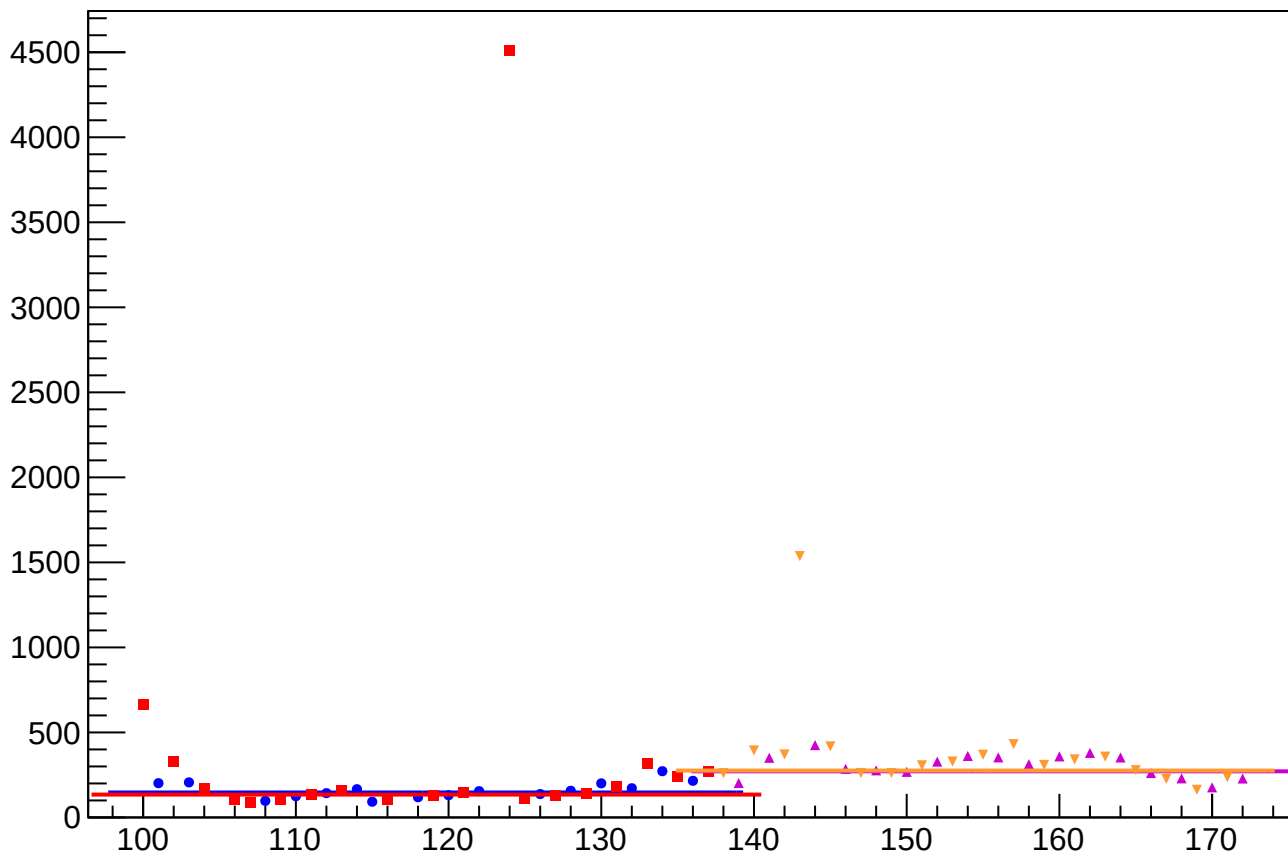
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

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

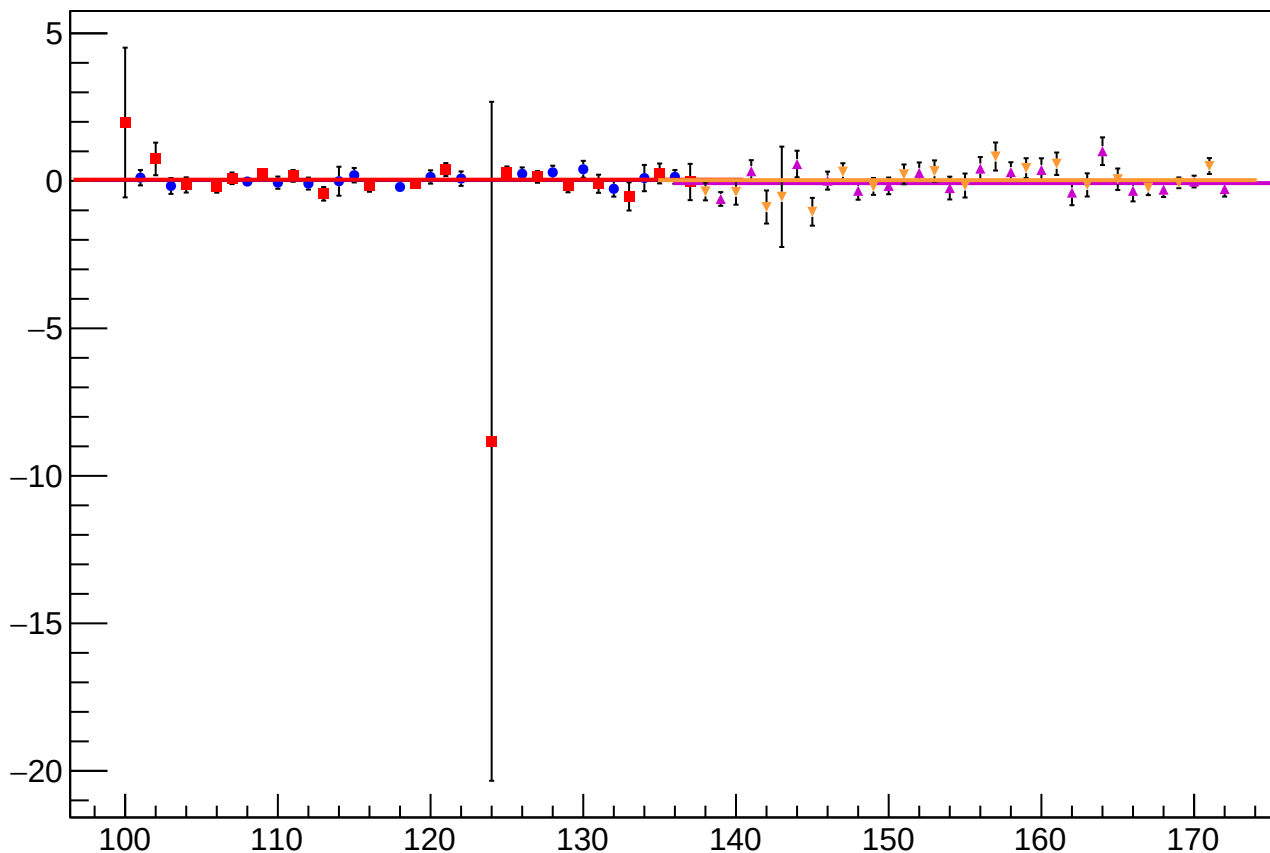
Left In: 271.262+/-0.053 χ^2/NDF : 1627326.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473192.6/33

All: 186.815+/-0.023 χ^2/NDF : 15058163.4/69

- sign 181.610+/-0.031 χ^2/NDF : 7527307.0/35

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: 0.023 $\pm$ 0.078 χ^2 /NDF: 24.2/17

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

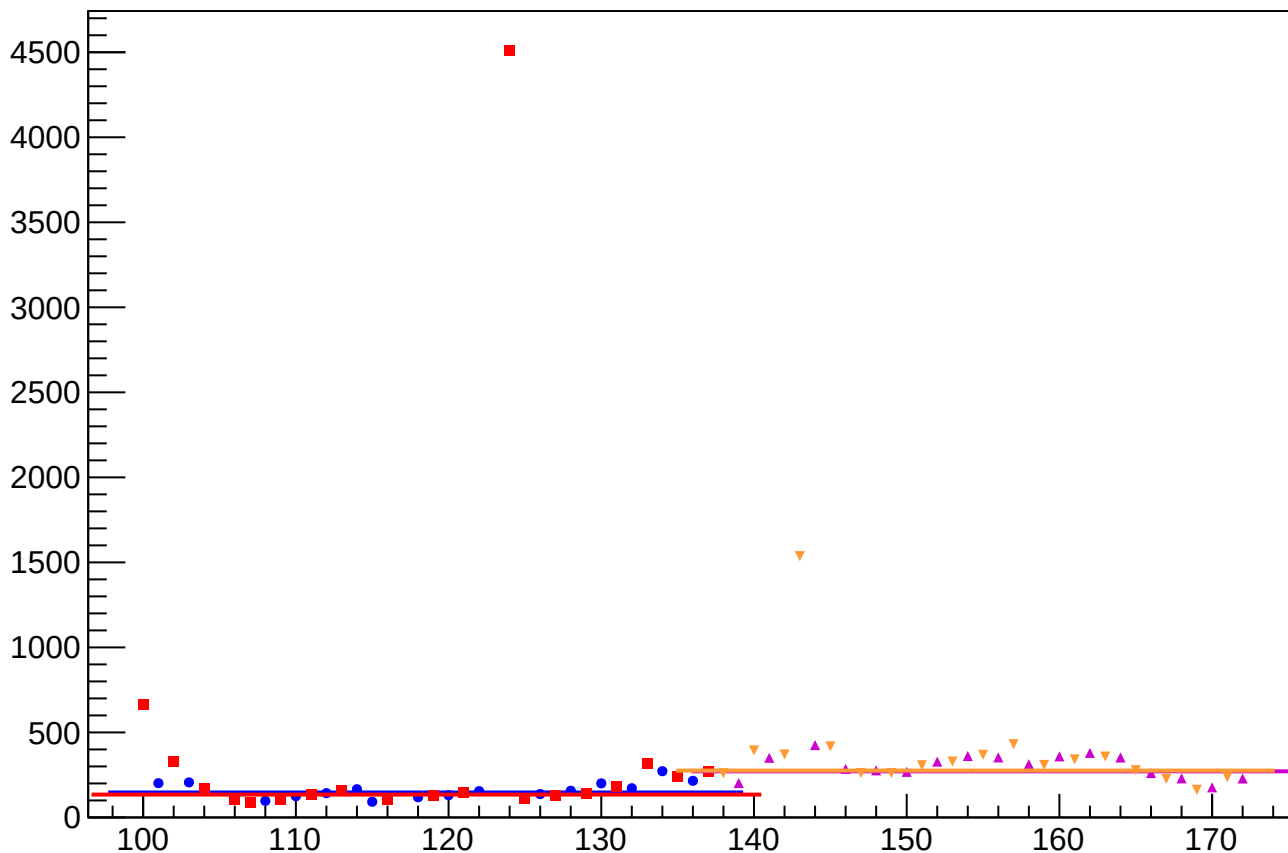
Left In: -0.077 $\pm$ 0.076 χ^2 /NDF: 22.6/16

+ sign 0.026 $\pm$ 0.046 χ^2 /NDF: 33.6/33

All: 0.012 $\pm$ 0.032 χ^2 /NDF: 77.9/69

- sign -0.001 $\pm$ 0.044 χ^2 /NDF: 44.1/35

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF : 2935721.4/17

Right Out: 134.505+/-0.039 χ^2/NDF : 1606383.2/18

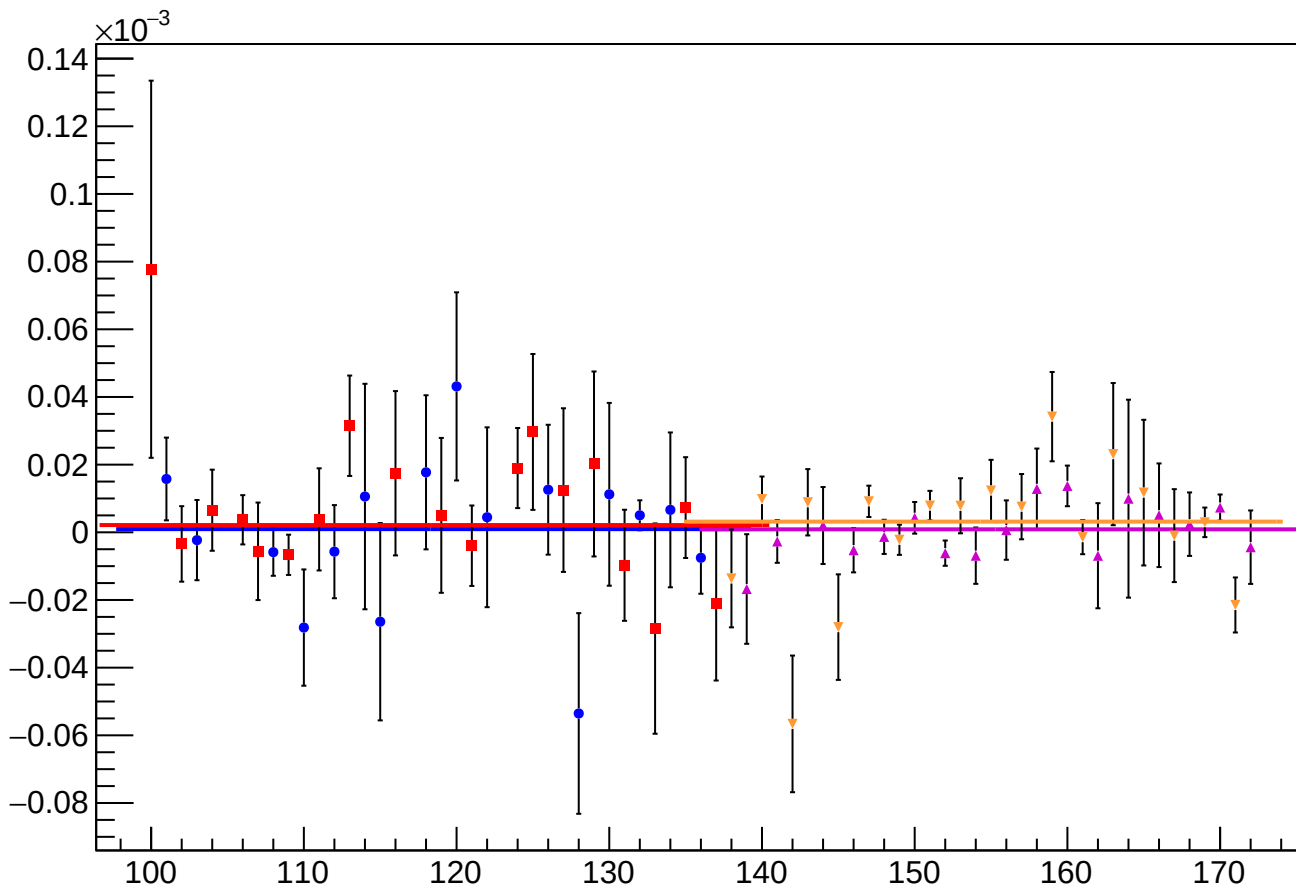
Left In: 271.262+/-0.053 χ^2/NDF : 1627326.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473192.6/33

All: 186.815+/-0.023 χ^2/NDF : 15058163.4/69

- sign 181.610+/-0.031 χ^2/NDF : 7527307.0/35

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

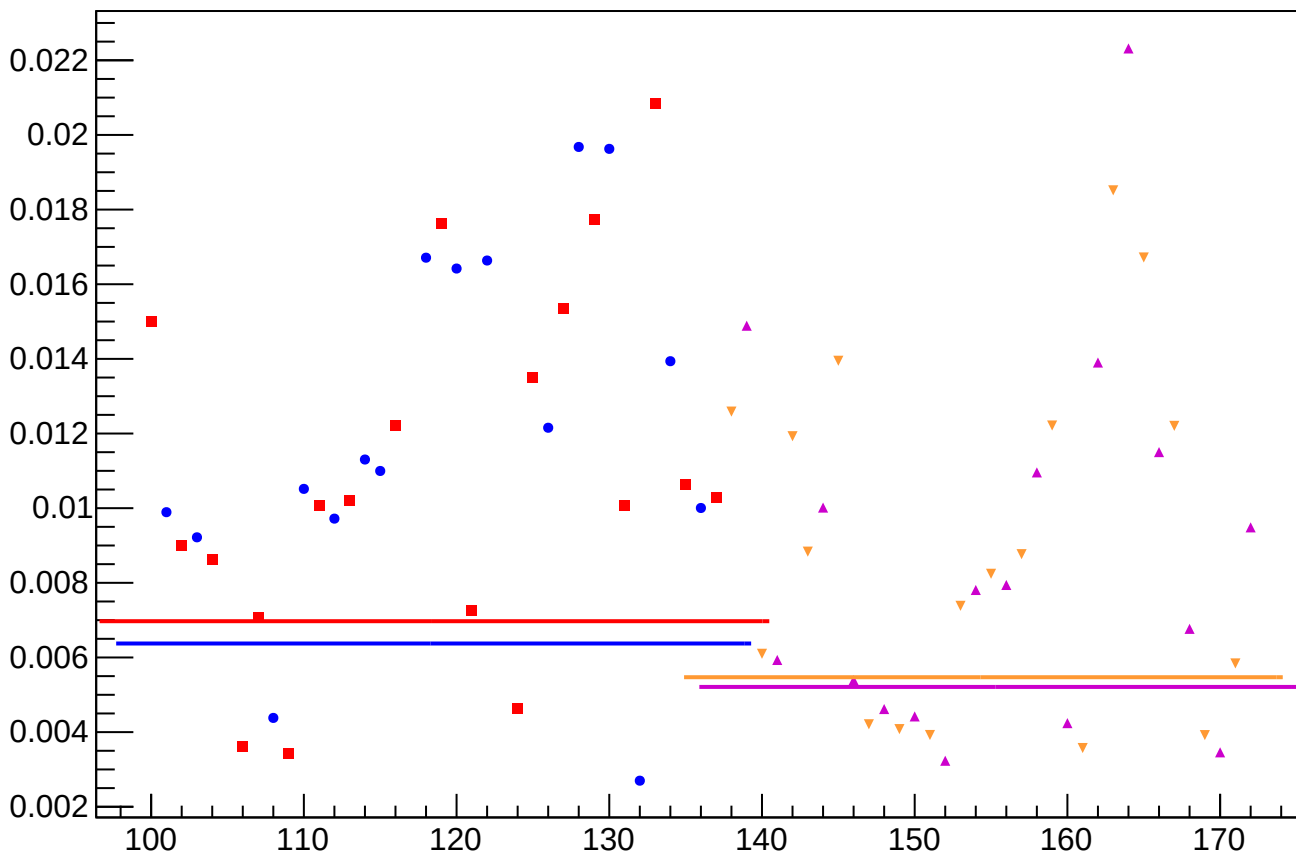
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.6/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/35

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

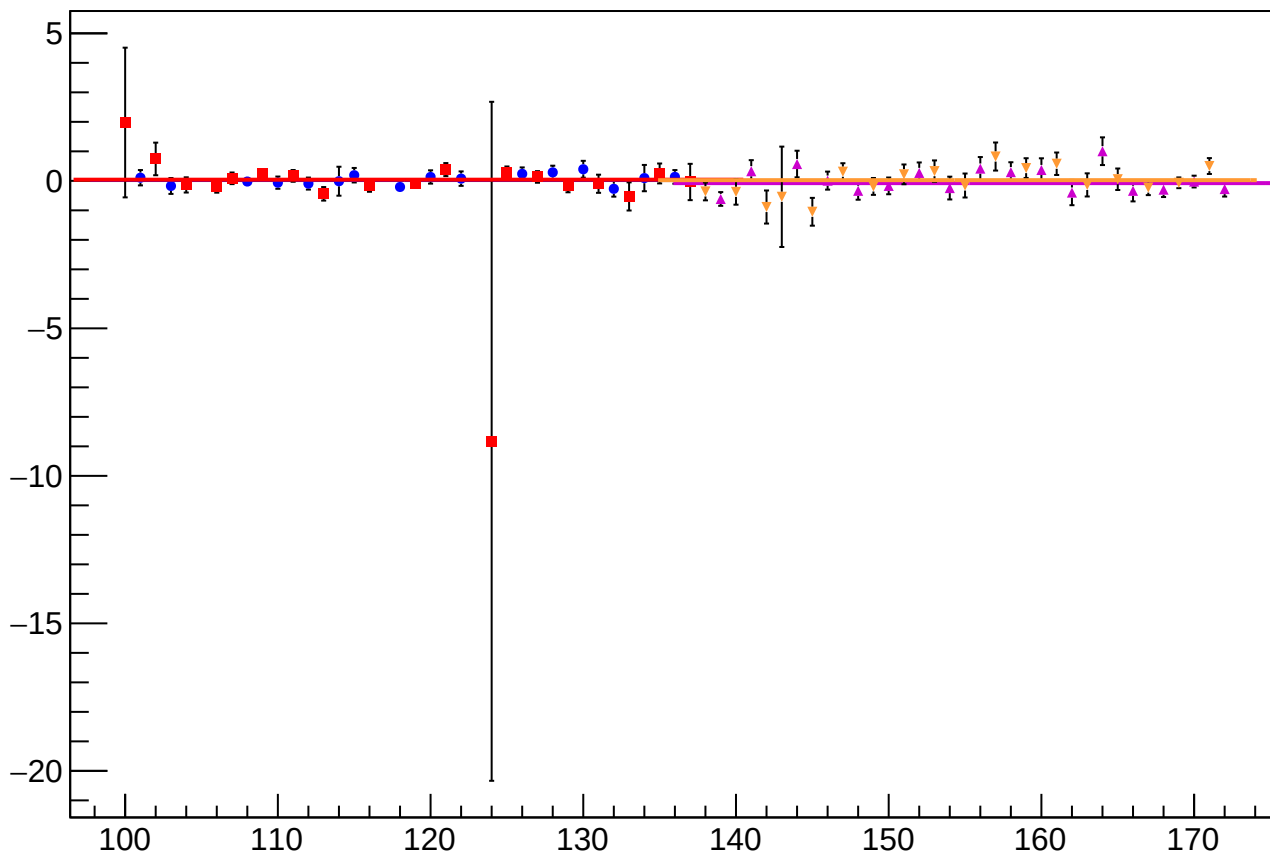
Left In: 0.005+/-0.000 χ^2/NDF : 5078304.7/16

+ sign 0.006+/-0.000 χ^2/NDF : 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF : 19319338.9/69

- sign 0.006+/-0.000 χ^2/NDF : 9016158.2/35

asym_atl_dd_atr_dd_avg_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

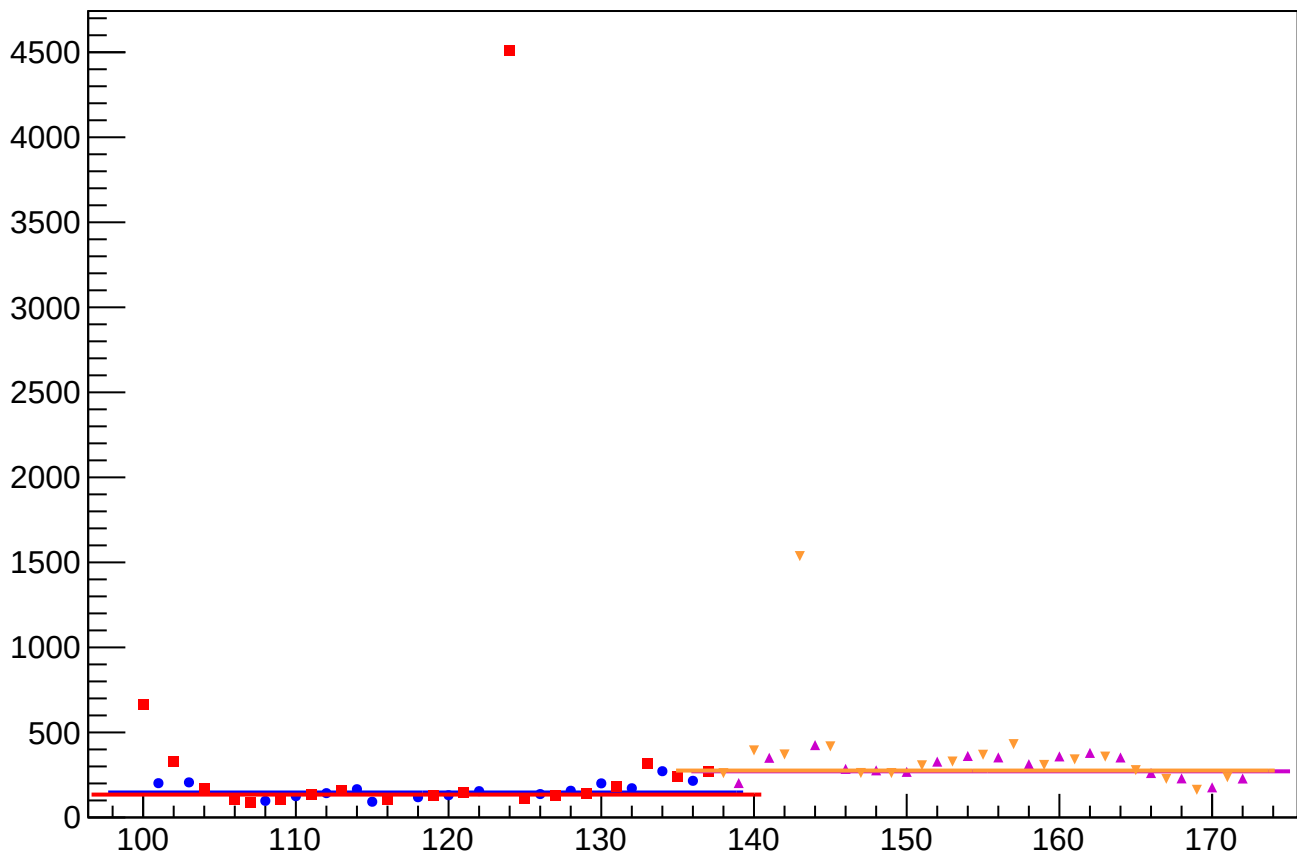
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

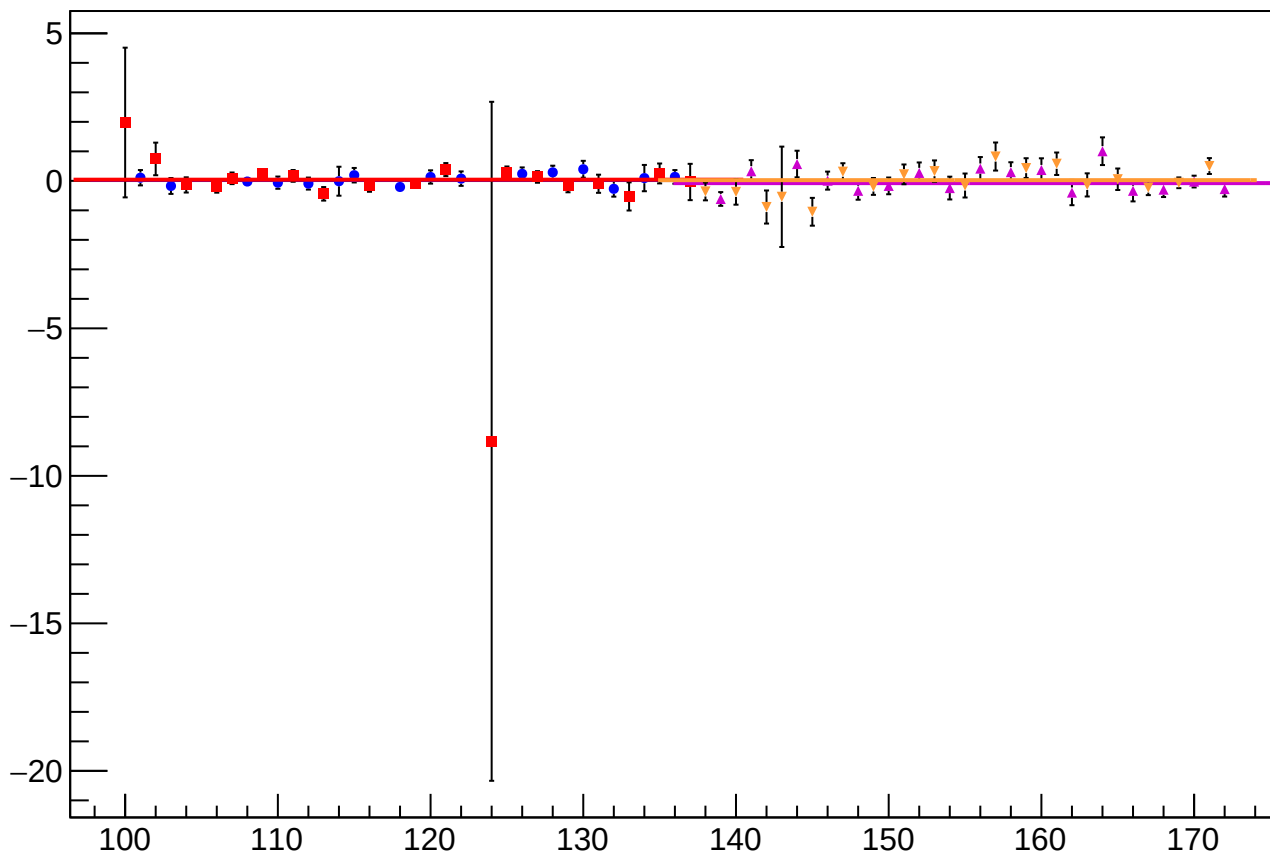
Left In: 271.264+/-0.053 χ^2/NDF : 1627379.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473290.6/33

All: 186.816+/-0.023 χ^2/NDF : 15058211.2/69

- sign 181.611+/-0.031 χ^2/NDF : 7527273.2/35

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

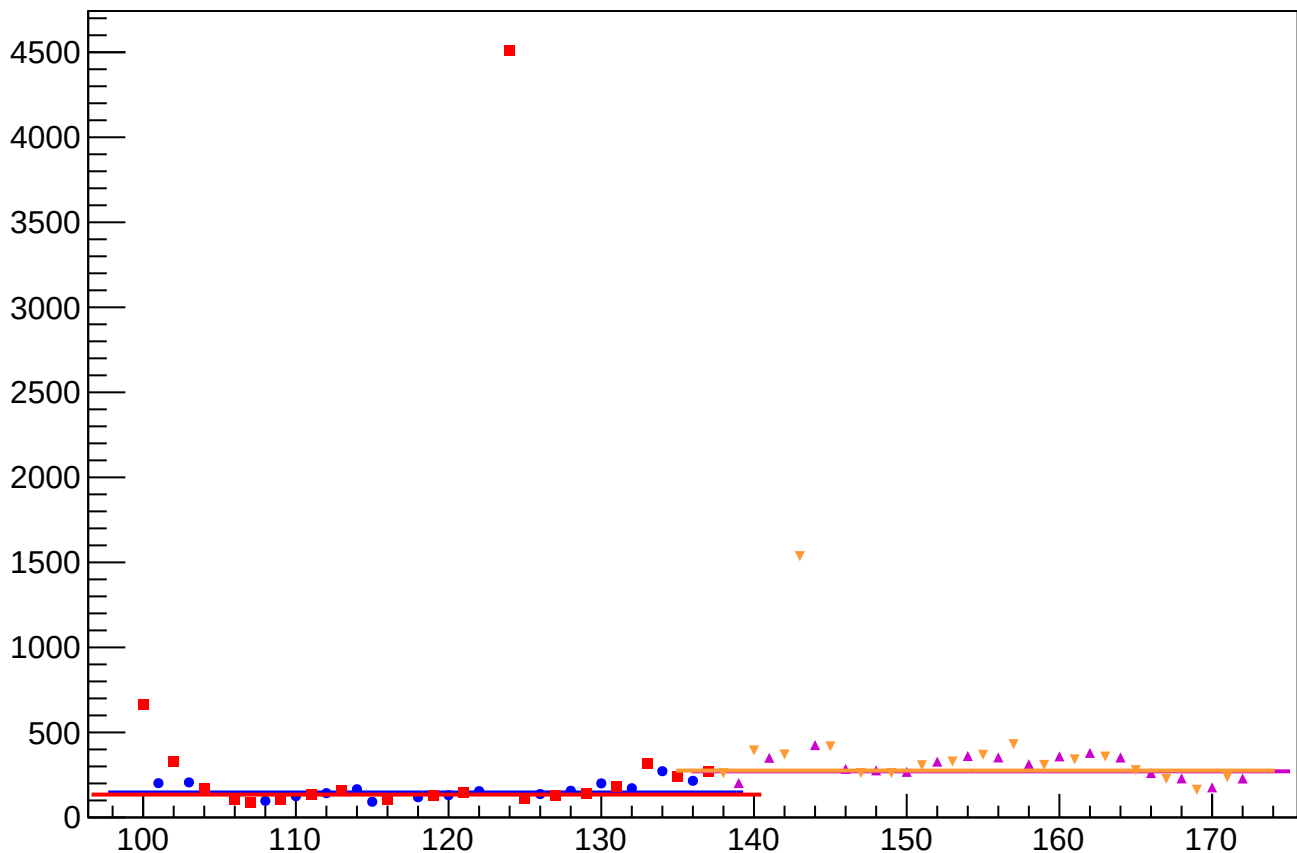
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998646.8/15

Left Out: 275.808 $\pm$ 0.055 χ^2 /NDF: 2935825.9/17

Right Out: 134.506 $\pm$ 0.039 χ^2 /NDF: 1606310.4/18

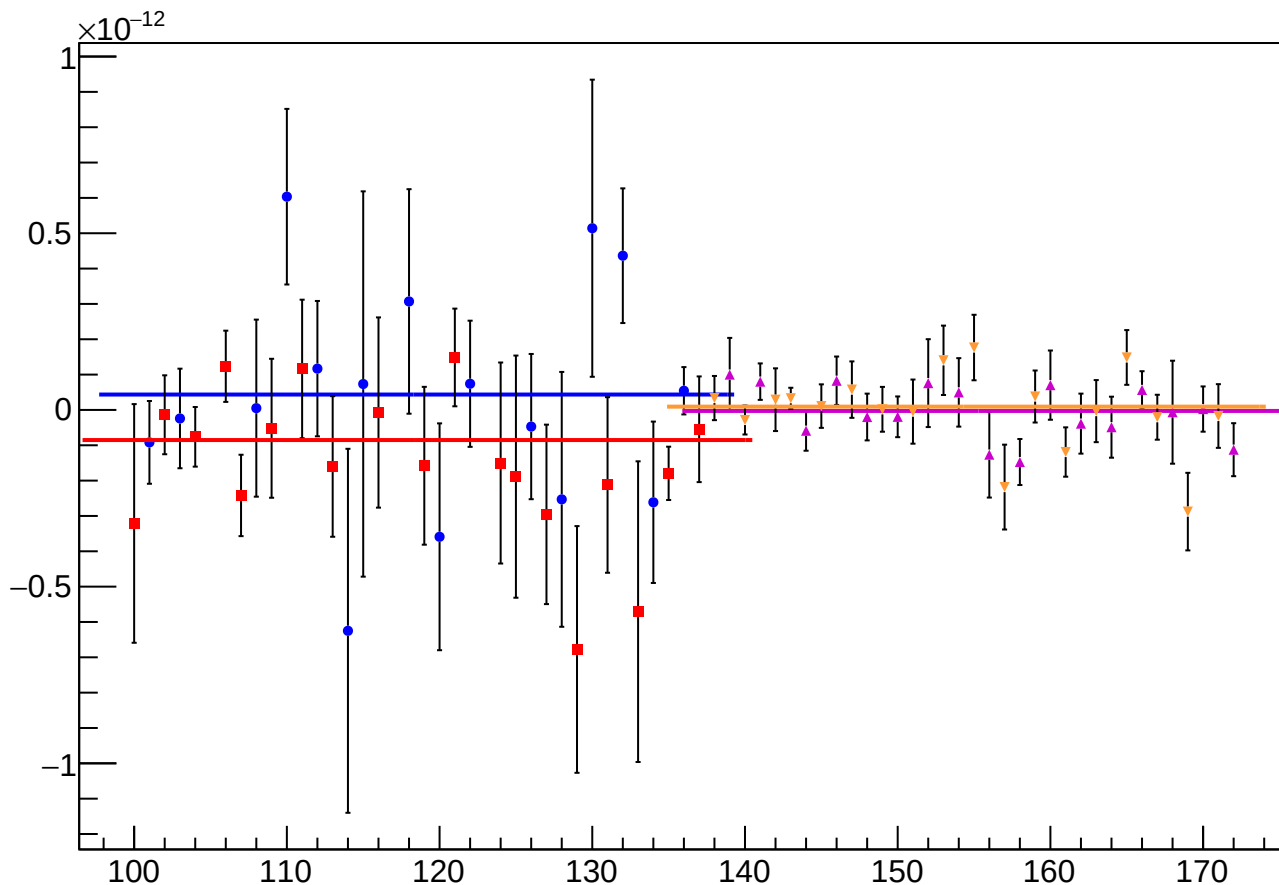
Left In: 271.264 $\pm$ 0.053 χ^2 /NDF: 1627379.4/16

+ sign 192.506 $\pm$ 0.033 χ^2 /NDF: 7473290.6/33

All: 186.816 $\pm$ 0.023 χ^2 /NDF: 15058211.2/69

- sign 181.611 $\pm$ 0.031 χ^2 /NDF: 7527273.2/35

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

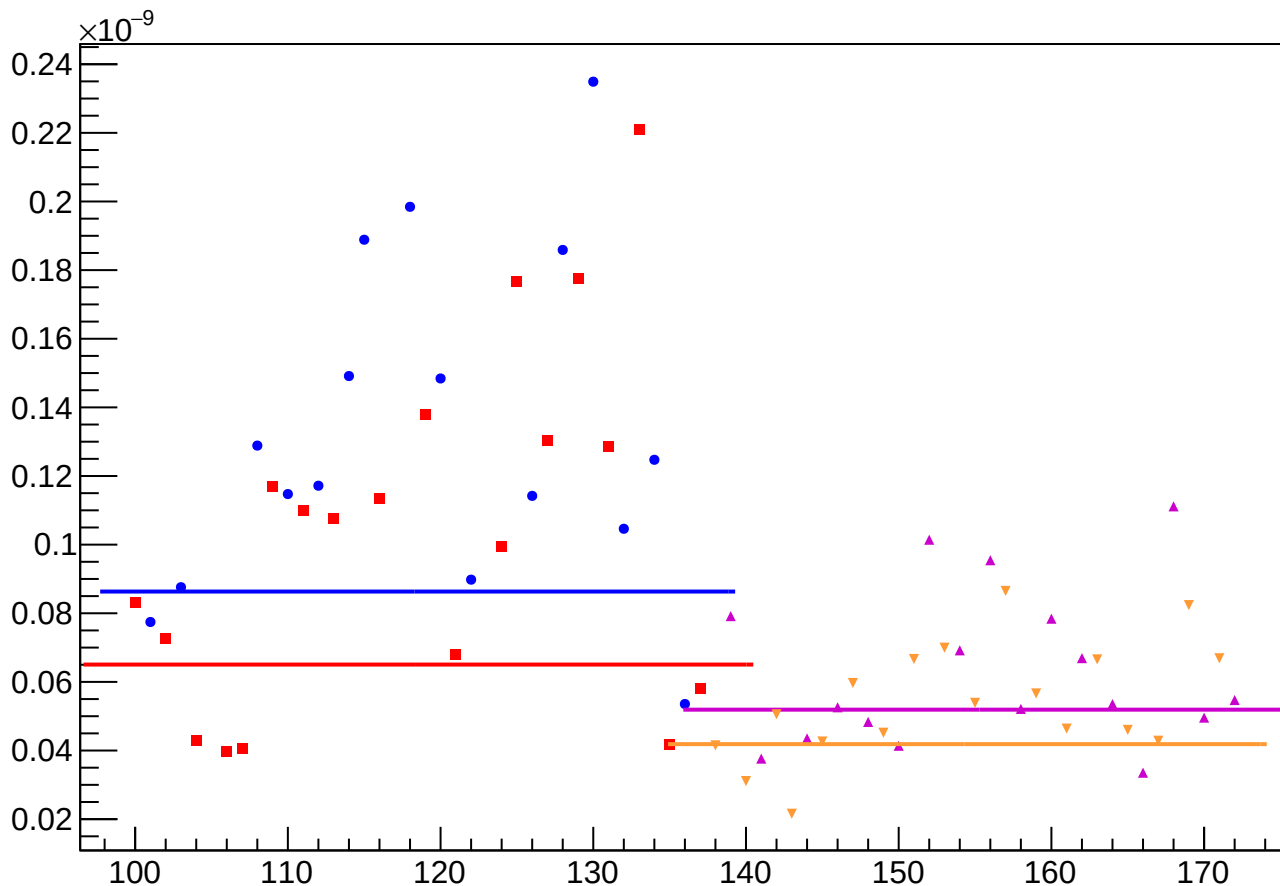
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 87.3/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.1/35

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

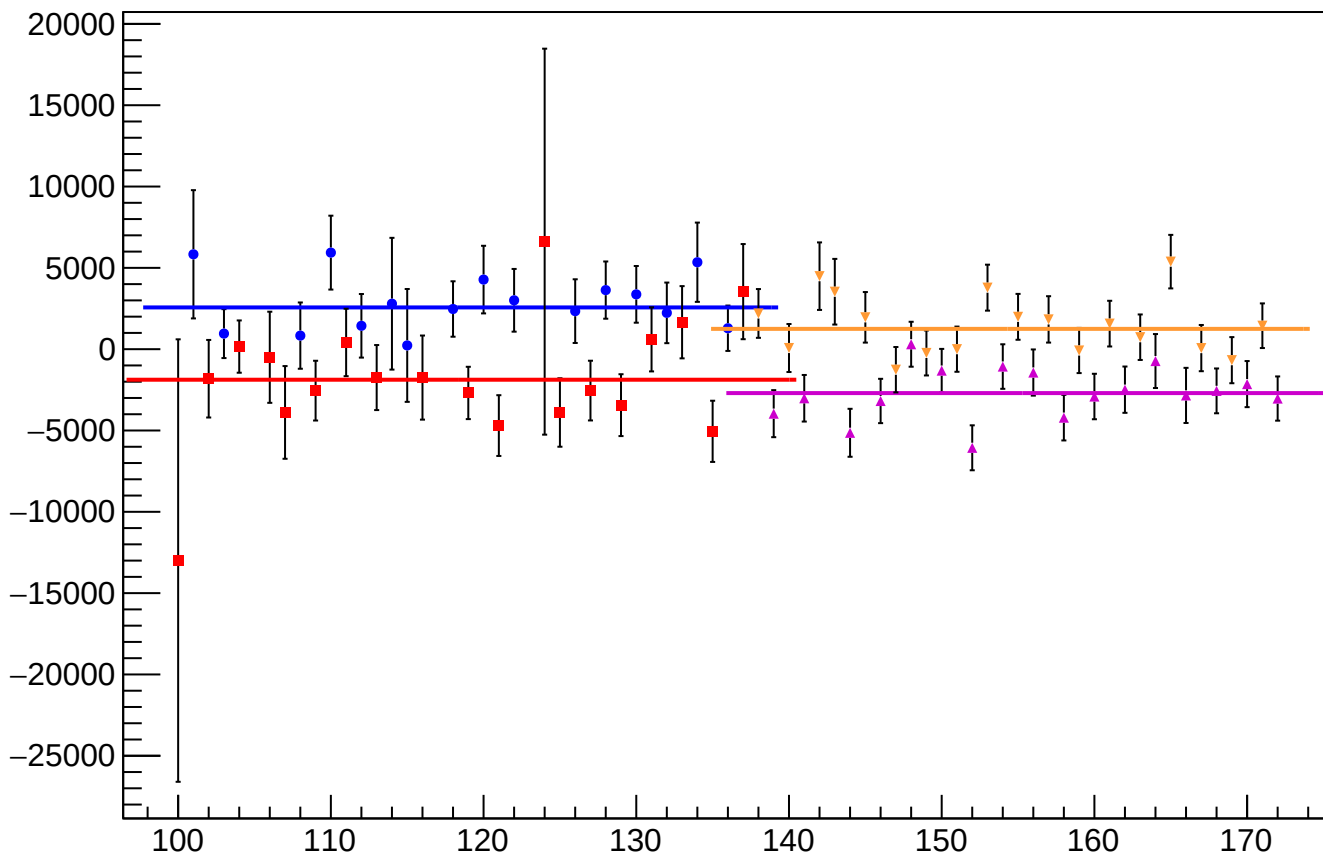
Left In: 0.000+/-0.000 χ^2/NDF : 1832464.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF : 10486740.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4224127.5/35

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.460 ± 495.364 $\chi^2/\text{NDF}: 9.0/15$

Left Out: 1249.180 ± 347.676 $\chi^2/\text{NDF}: 23.8/17$

Right Out: -1878.030 ± 494.719 $\chi^2/\text{NDF}: 19.5/18$

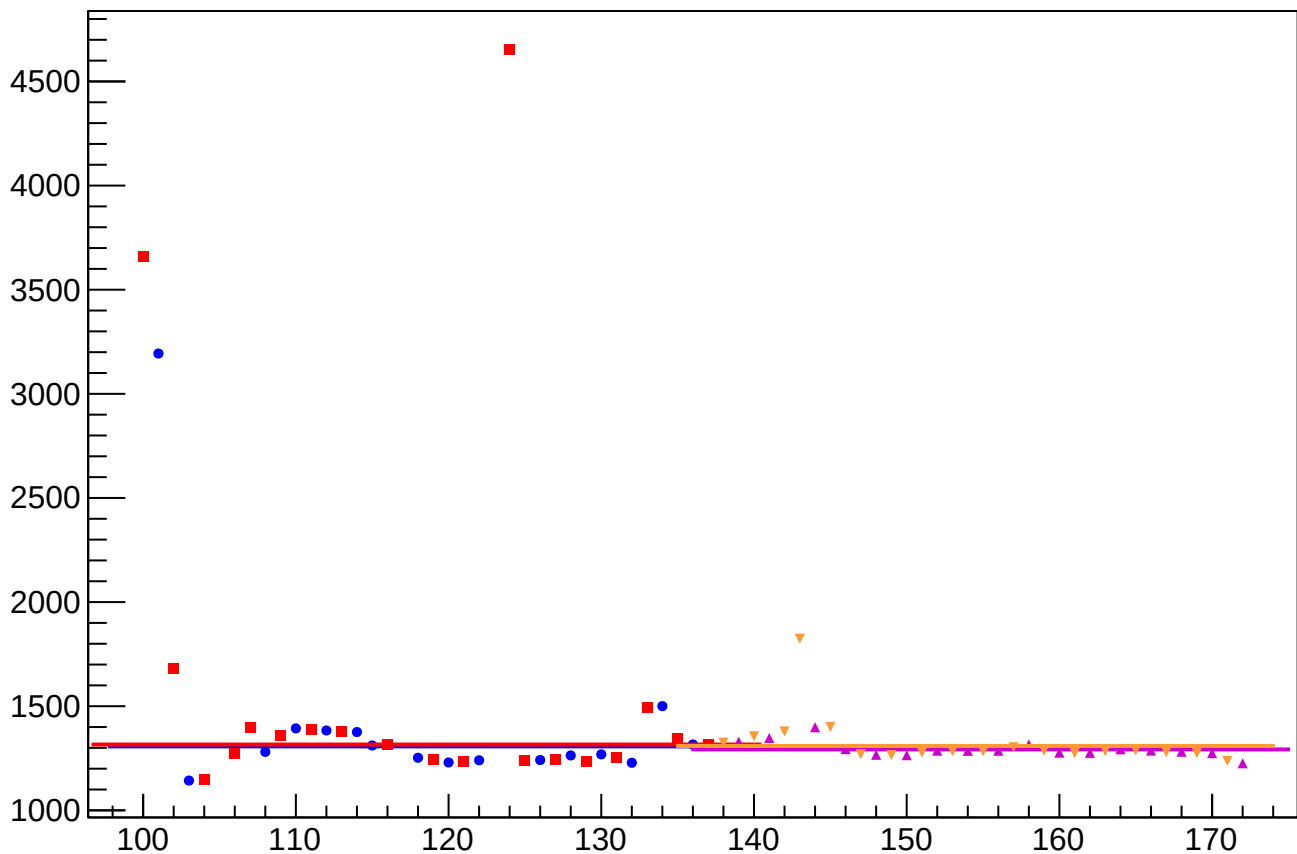
Left In: -2699.800 ± 345.171 $\chi^2/\text{NDF}: 20.5/16$

+ sign 1684.254 ± 284.579 $\chi^2/\text{NDF}: 37.6/33$

All: -384.114 ± 200.695 $\chi^2/\text{NDF}: 184.5/69$

- sign -2430.740 ± 283.079 $\chi^2/\text{NDF}: 41.9/35$

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

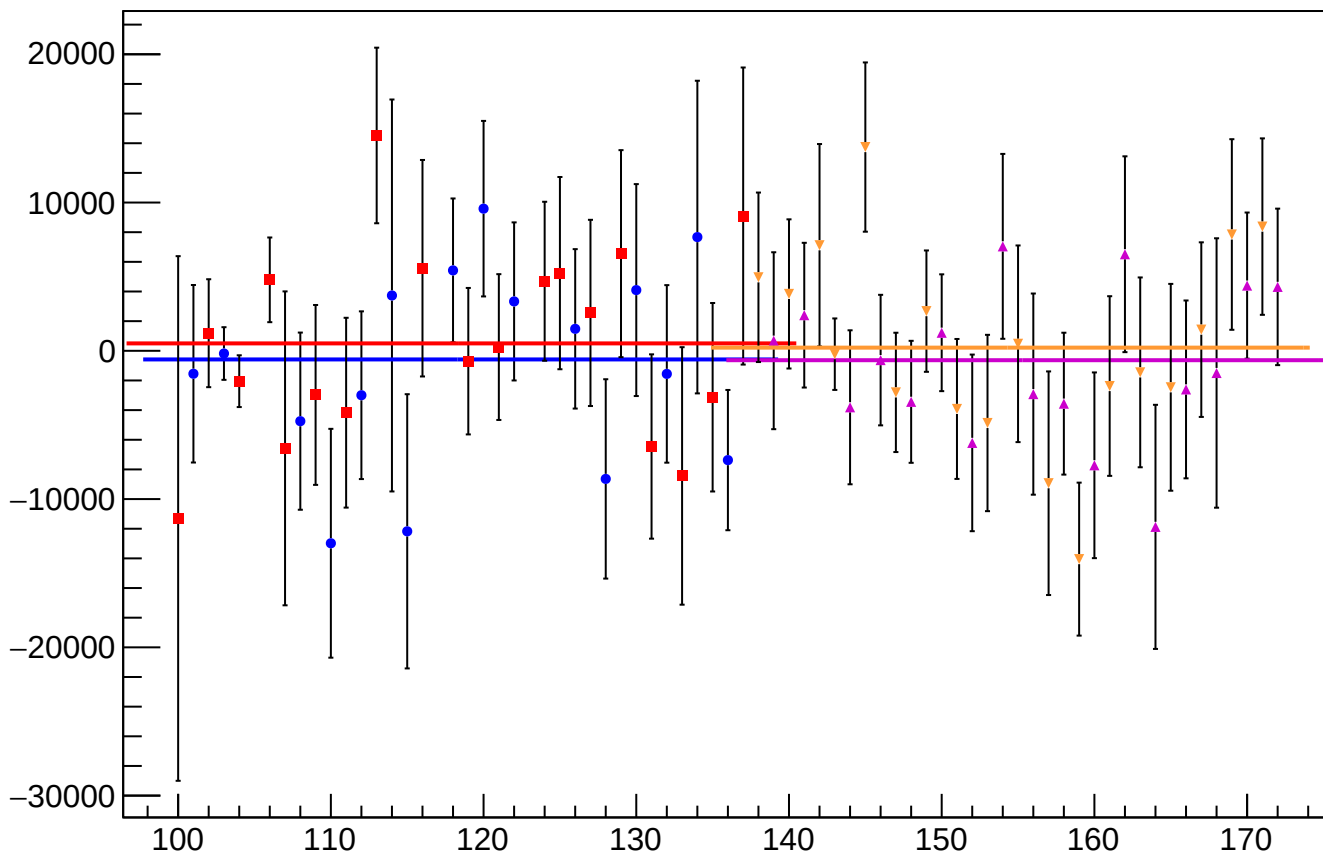
Left In: 1292.530 ± 0.244 χ^2/NDF : 22742.4/16

+ sign 1308.474 ± 0.201 χ^2/NDF : 674026.7/33

All: 1304.333 ± 0.142 χ^2/NDF : 1027069.1/69

- sign 1300.242 ± 0.200 χ^2/NDF : 352200.5/35

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



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

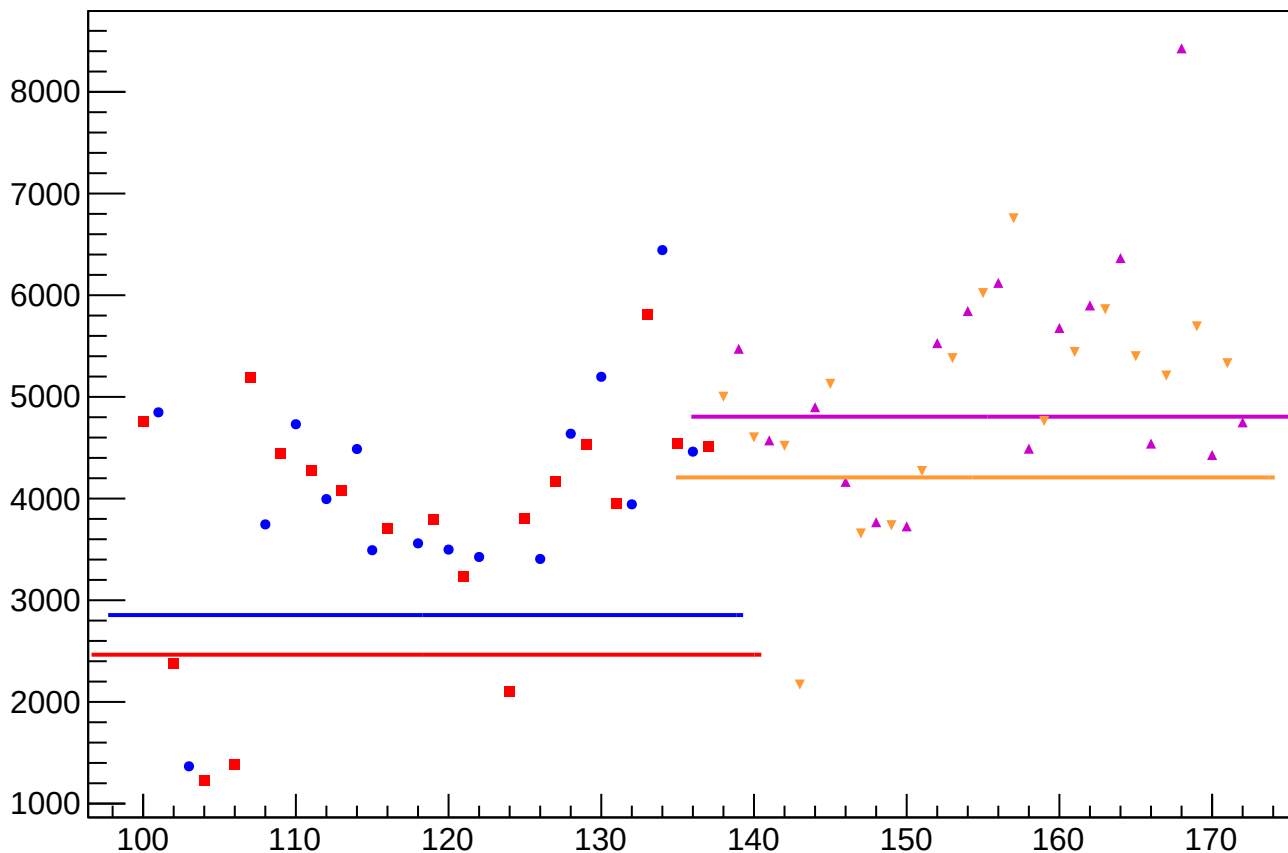
Left In: -633.629+/-1311.047 χ^2/NDF : 10.7/16

+ sign -178.892+/-838.245 χ^2/NDF : 38.1/33

All: -60.043+/-586.950 χ^2/NDF : 67.0/69

- sign 54.281+/-822.134 χ^2/NDF : 28.9/35

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



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

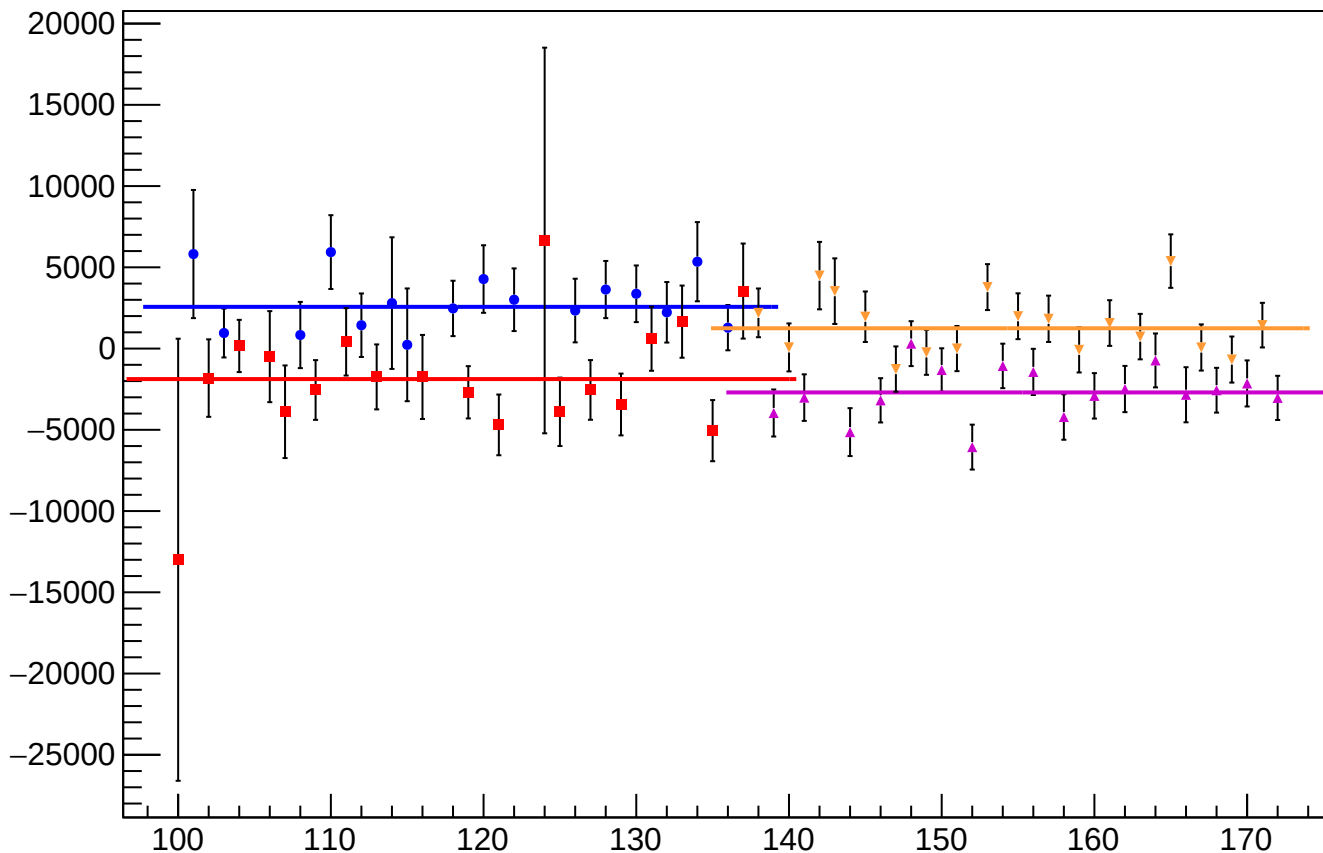
Left In: 4805.452+/-0.927 χ^2/NDF : 1018174.7/16

+ sign 3539.487+/-0.593 χ^2/NDF : 6797726.8/33

All: 3460.792+/-0.415 χ^2/NDF : 15075150.0/6

- sign 3385.093+/-0.581 χ^2/NDF : 8242840.3/35

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180 $\pm$ 495.364 χ^2 /NDF: 9.0/15

Left Out: 1249.107 $\pm$ 347.676 χ^2 /NDF:23.8/17

Right Out: -1877.774 $\pm$ 494.719 χ^2 /NDF: 19.5/18

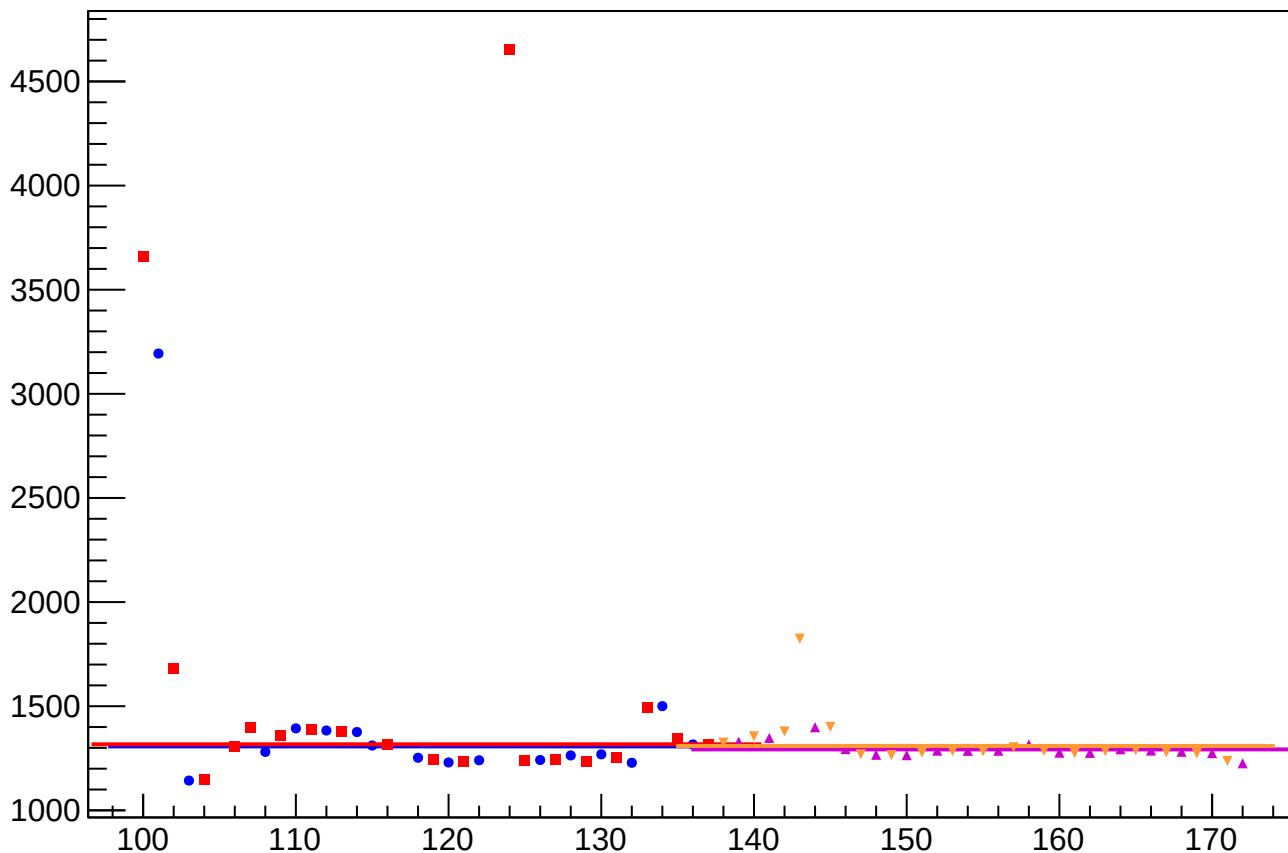
Left In: -2699.822 $\pm$ 345.171 χ^2 /NDF:20.5/16

+ sign 1684.113 $\pm$ 284.579 χ^2 /NDF: 37.6/33

All: -384.150 $\pm$ 200.695 χ^2 /NDF: 184.5/69

- sign -2430.671 $\pm$ 283.079 χ^2 /NDF: 41.9/35

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516250.6/15

Left Out: 1309.167 $\pm$ 0.246 χ^2 /NDF: 157753.6/17

Right Out: 1317.128 $\pm$ 0.349 χ^2 /NDF: 325926.8/18

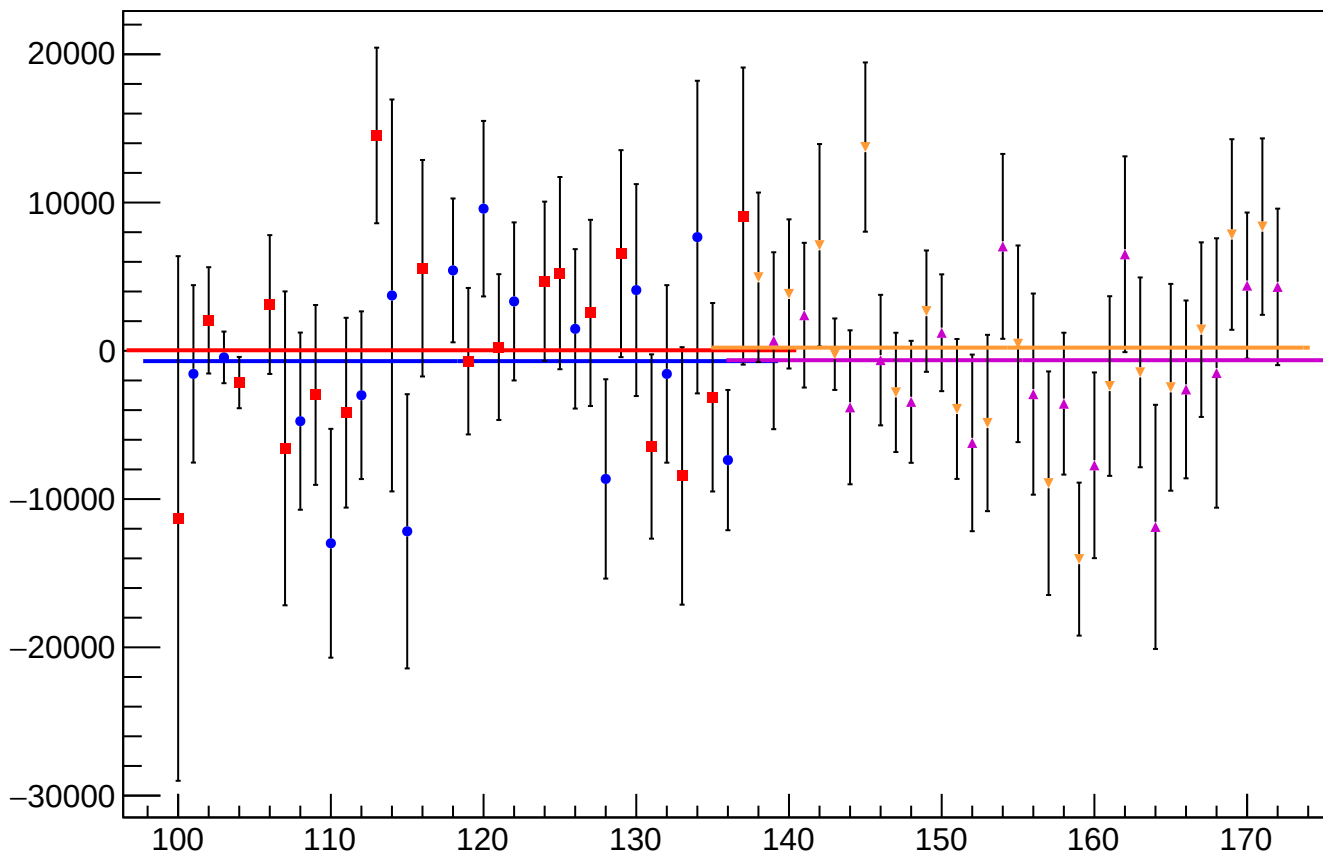
Left In: 1292.530 $\pm$ 0.244 χ^2 /NDF: 22742.4/16

+ sign 1308.474 $\pm$ 0.201 χ^2 /NDF: 674028.2/33

All: 1304.516 $\pm$ 0.142 χ^2 /NDF: 1026800.5/69

- sign 1300.605 $\pm$ 0.200 χ^2 /NDF: 352003.1/35

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



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

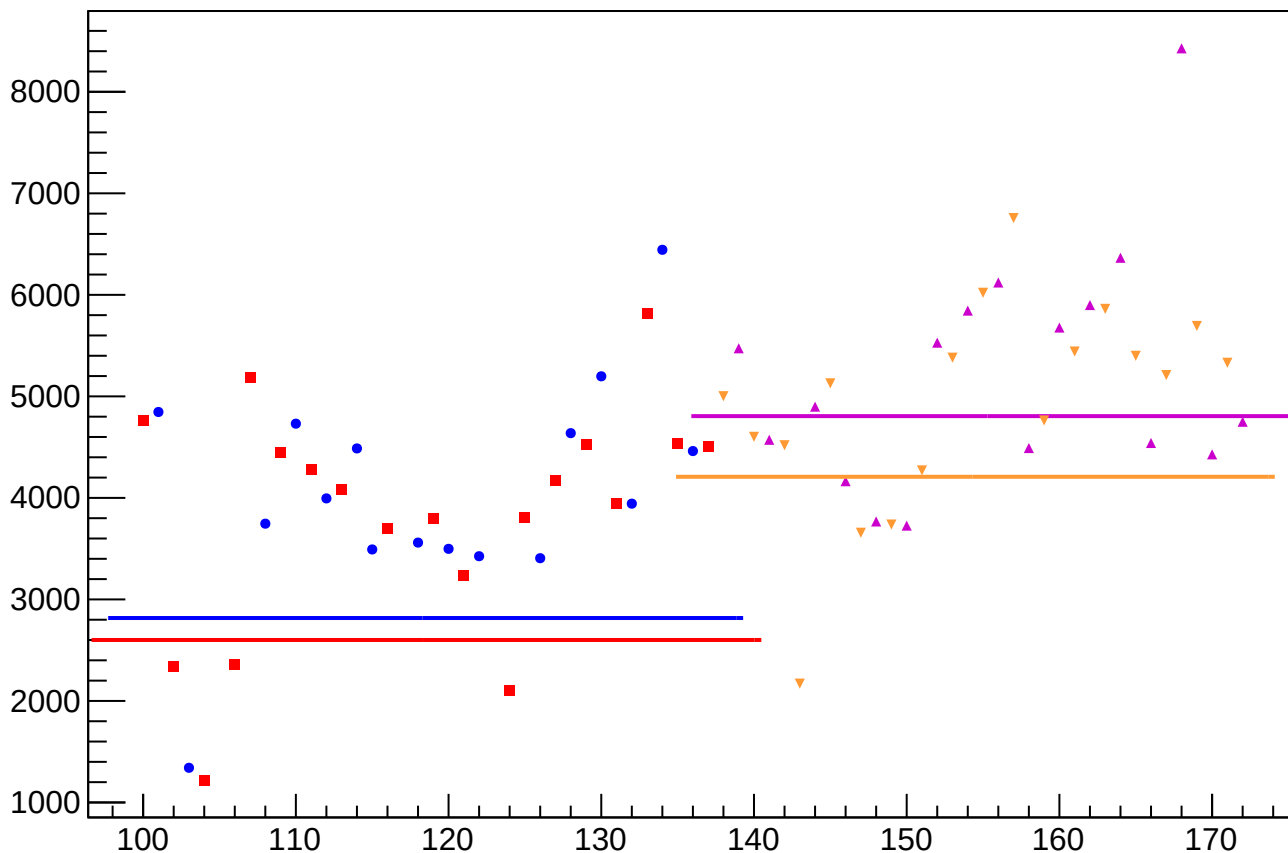
Left In: -633.685+/-1311.046 χ^2/NDF : 10.7/16

+ sign -238.920+/-834.601 χ^2/NDF : 38.1/33

All: -239.491+/-592.706 χ^2/NDF : 65.0/69

- sign -240.072+/-841.873 χ^2/NDF : 26.8/35

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



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

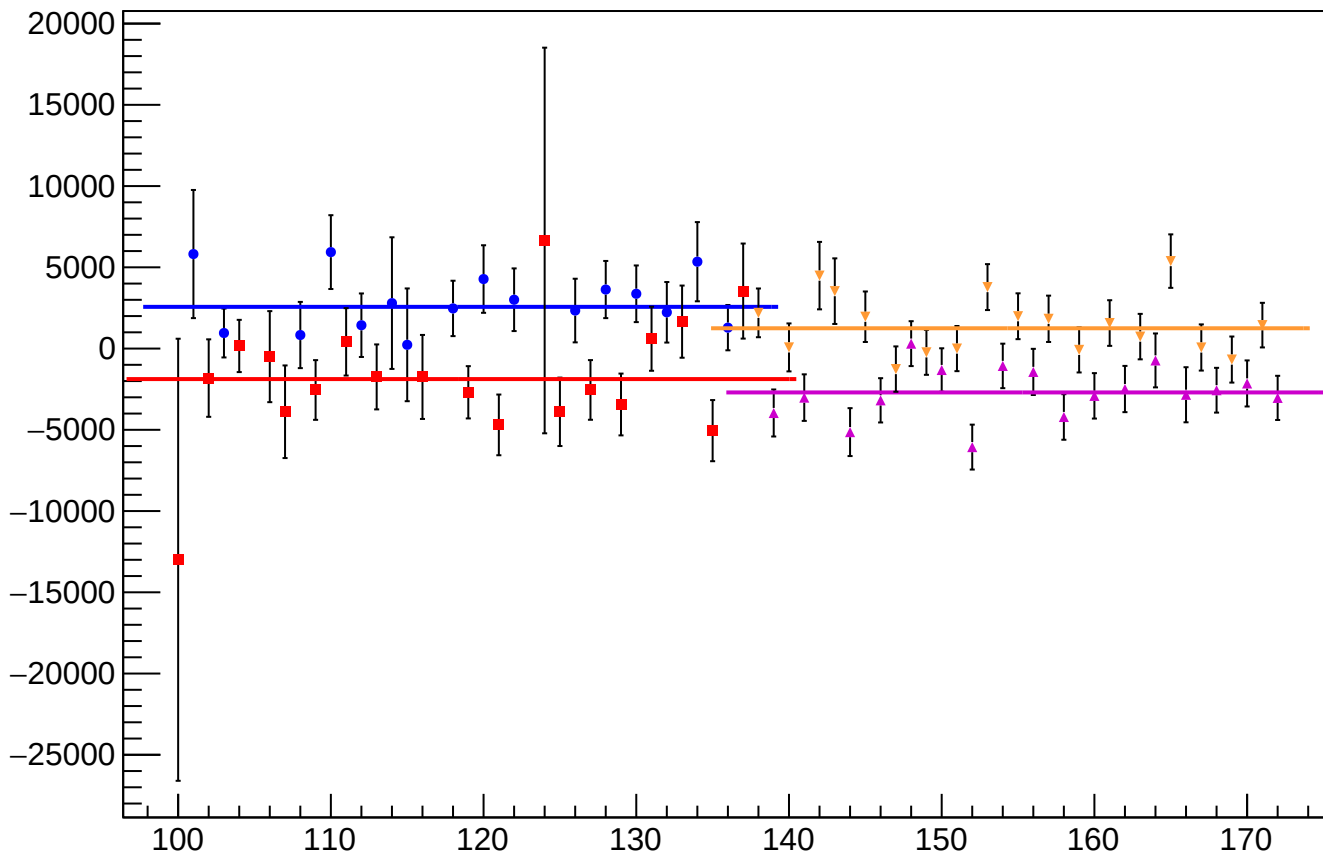
Left In: 4805.451+/-0.927 χ^2/NDF : 1018182.4/16

+ sign 3514.845+/-0.590 χ^2/NDF : 6986020.5/33

All: 3512.298+/-0.419 χ^2/NDF : 14409364.2/6

- sign 3509.707+/-0.595 χ^2/NDF : 7423306.2/35

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2567.180 $\pm$ 495.364 χ^2 /NDF: 9.0/15

Left Out: 1249.107 $\pm$ 347.676 χ^2 /NDF:23.8/17

Right Out: -1877.774 $\pm$ 494.719 χ^2 /NDF: 19.5/18

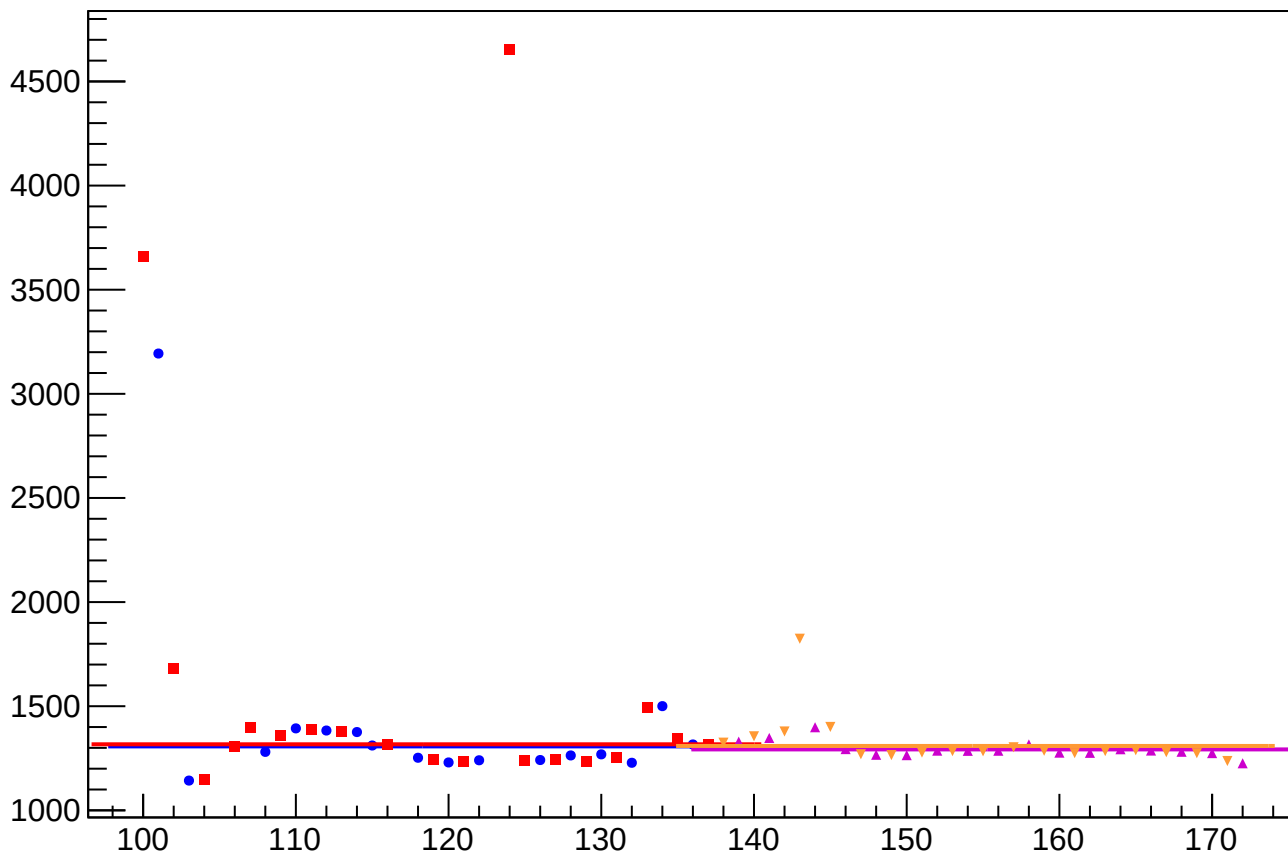
Left In: -2699.822 $\pm$ 345.171 χ^2 /NDF:20.5/16

+ sign 1684.113 $\pm$ 284.579 χ^2 /NDF: 37.6/33

All: -384.150 $\pm$ 200.695 χ^2 /NDF: 184.5/69

- sign -2430.671 $\pm$ 283.079 χ^2 /NDF: 41.9/35

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.068 $\pm$ 0.350 χ^2 /NDF: 516250.6/15

Left Out: 1309.167 $\pm$ 0.246 χ^2 /NDF: 157753.6/17

Right Out: 1317.128 $\pm$ 0.349 χ^2 /NDF: 325926.8/18

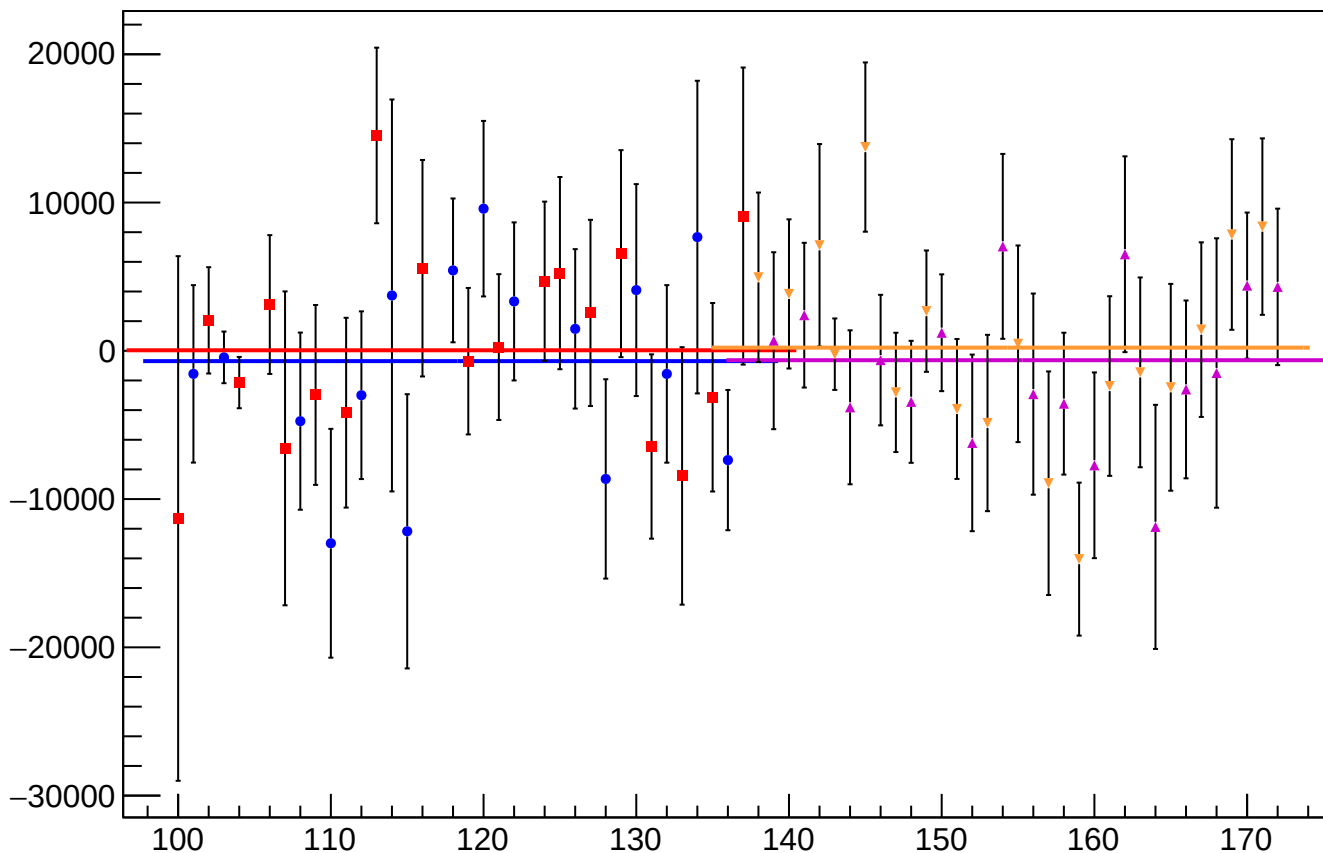
Left In: 1292.530 $\pm$ 0.244 χ^2 /NDF: 22742.4/16

+ sign 1308.474 $\pm$ 0.201 χ^2 /NDF: 674028.2/33

All: 1304.516 $\pm$ 0.142 χ^2 /NDF: 1026800.5/69

- sign 1300.605 $\pm$ 0.200 χ^2 /NDF: 352003.1/35

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



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

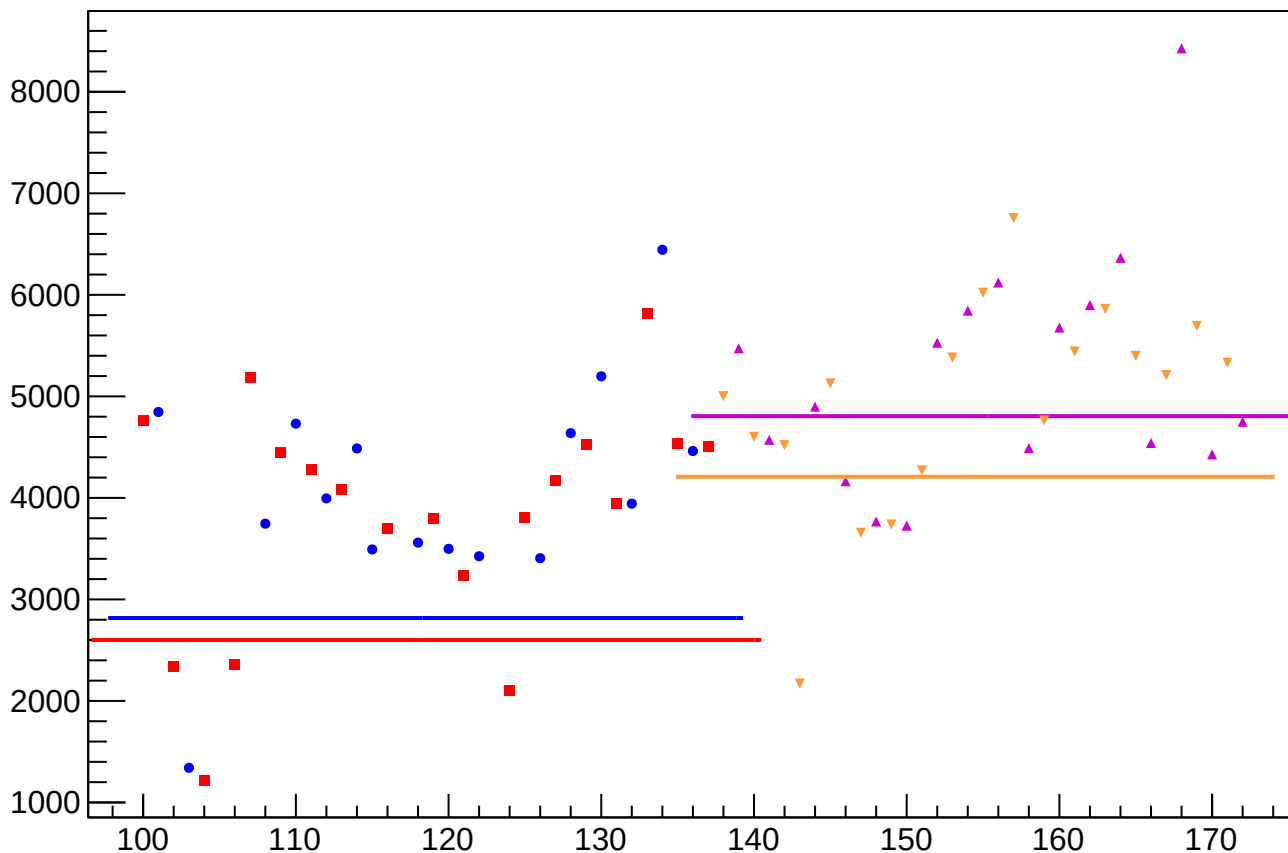
Left In: -633.685+/-1311.046 χ^2/NDF : 10.7/16

+ sign -238.920+/-834.601 χ^2/NDF : 38.1/33

All: -239.491+/-592.706 χ^2/NDF : 65.0/69

- sign -240.072+/-841.873 χ^2/NDF : 26.8/35

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 2816.784 $\pm$ 0.836 χ^2 /NDF: 3007570.0/15

Left Out: 4207.900 $\pm$ 0.833 χ^2 /NDF: 2589349.0/17

Right Out: 2600.524 $\pm$ 0.777 χ^2 /NDF: 3080771.9/18

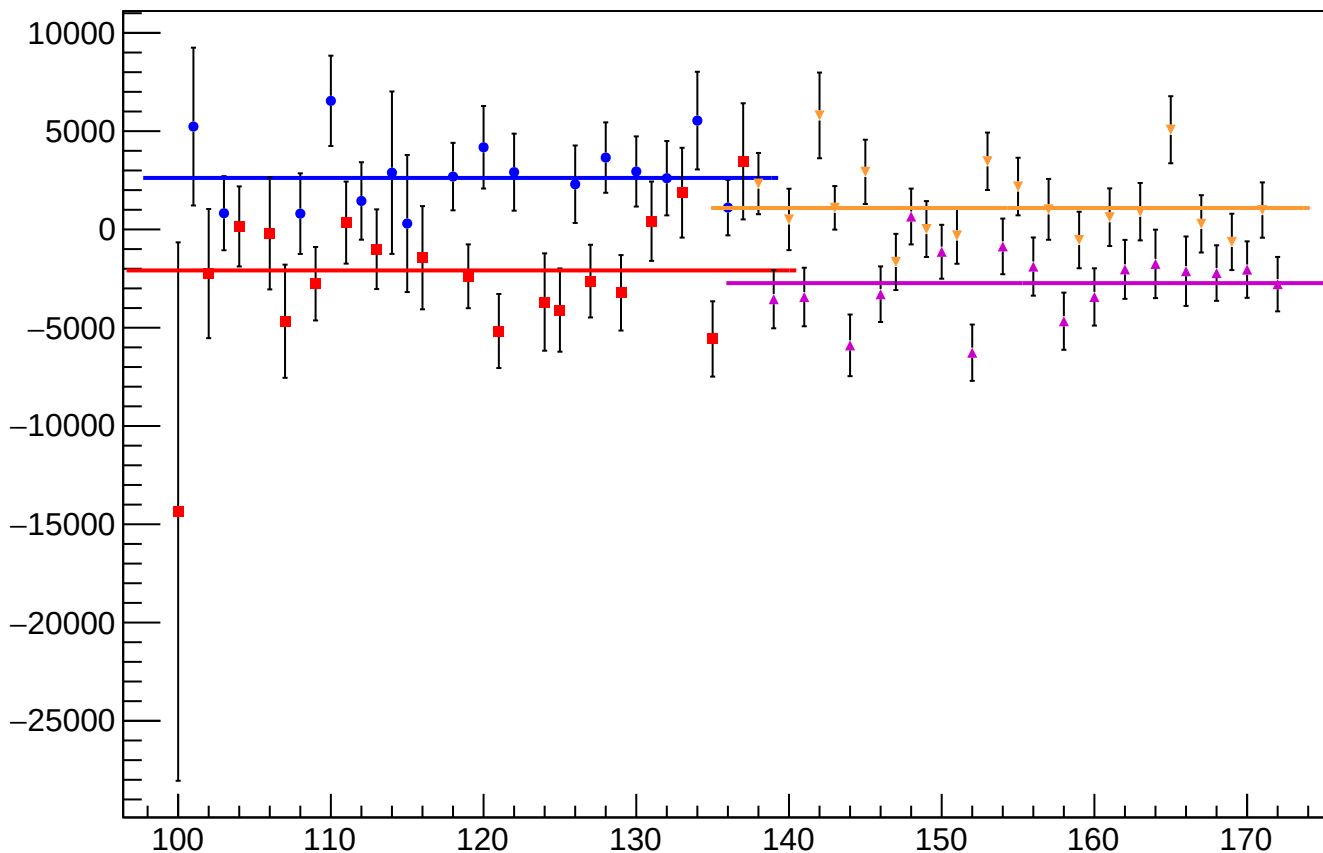
Left In: 4805.451 $\pm$ 0.927 χ^2 /NDF: 1018182.4/16

+ sign 3514.845 $\pm$ 0.590 χ^2 /NDF: 6986020.5/33

All: 3512.298 $\pm$ 0.419 χ^2 /NDF: 14409364.2/6

- sign 3509.707 $\pm$ 0.595 χ^2 /NDF: 7423306.2/35

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535 $\pm$ 511.510 χ^2 /NDF: 9.3/15

Left Out: 1091.185 $\pm$ 347.866 χ^2 /NDF:23.7/17

Right Out: -2085.606 $\pm$ 504.873 χ^2 /NDF: 20.9/18

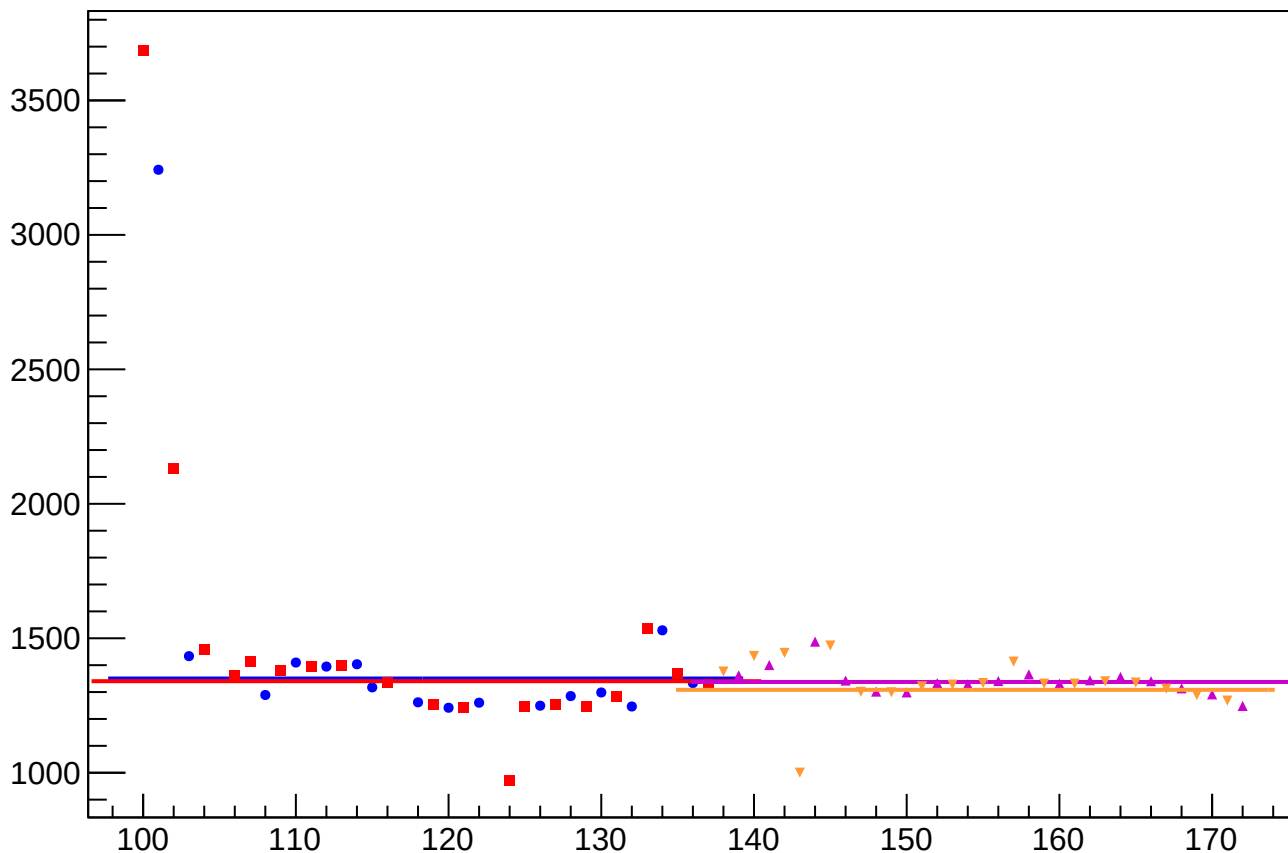
Left In: -2730.410 $\pm$ 357.325 χ^2 /NDF:23.0/16

+ sign 1574.827 $\pm$ 287.649 χ^2 /NDF: 39.2/33

All: -441.838 $\pm$ 204.804 χ^2 /NDF: 183.9/69

- sign -2515.214 $\pm$ 291.666 χ^2 /NDF: 45.1/35

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

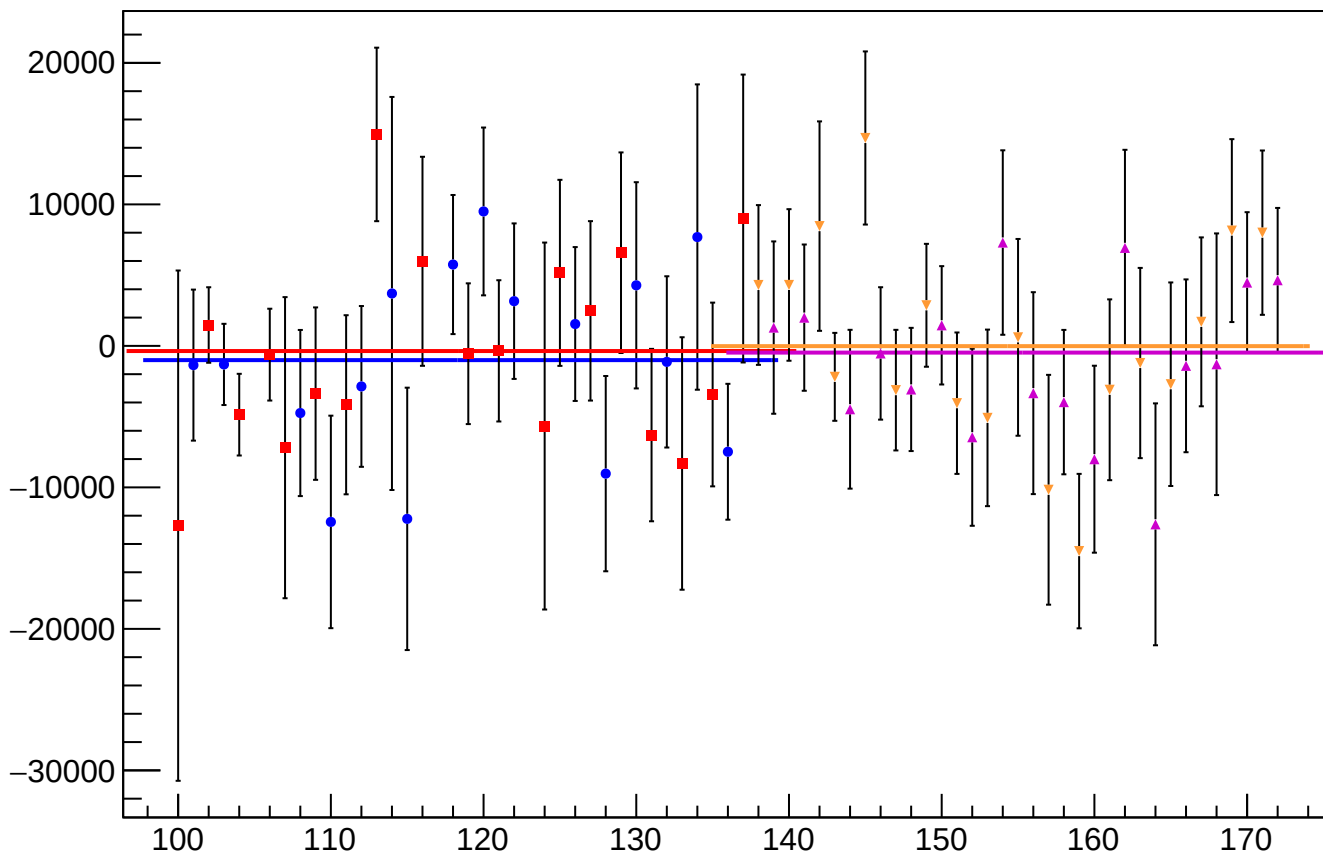
Left In: 1337.526+/-0.253 χ^2/NDF : 37427.2/16

+ sign 1321.586+/-0.203 χ^2/NDF : 718011.4/33

All: 1329.926+/-0.145 χ^2/NDF : 1031074.7/69

- sign 1338.496+/-0.206 χ^2/NDF : 309654.8/35

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



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

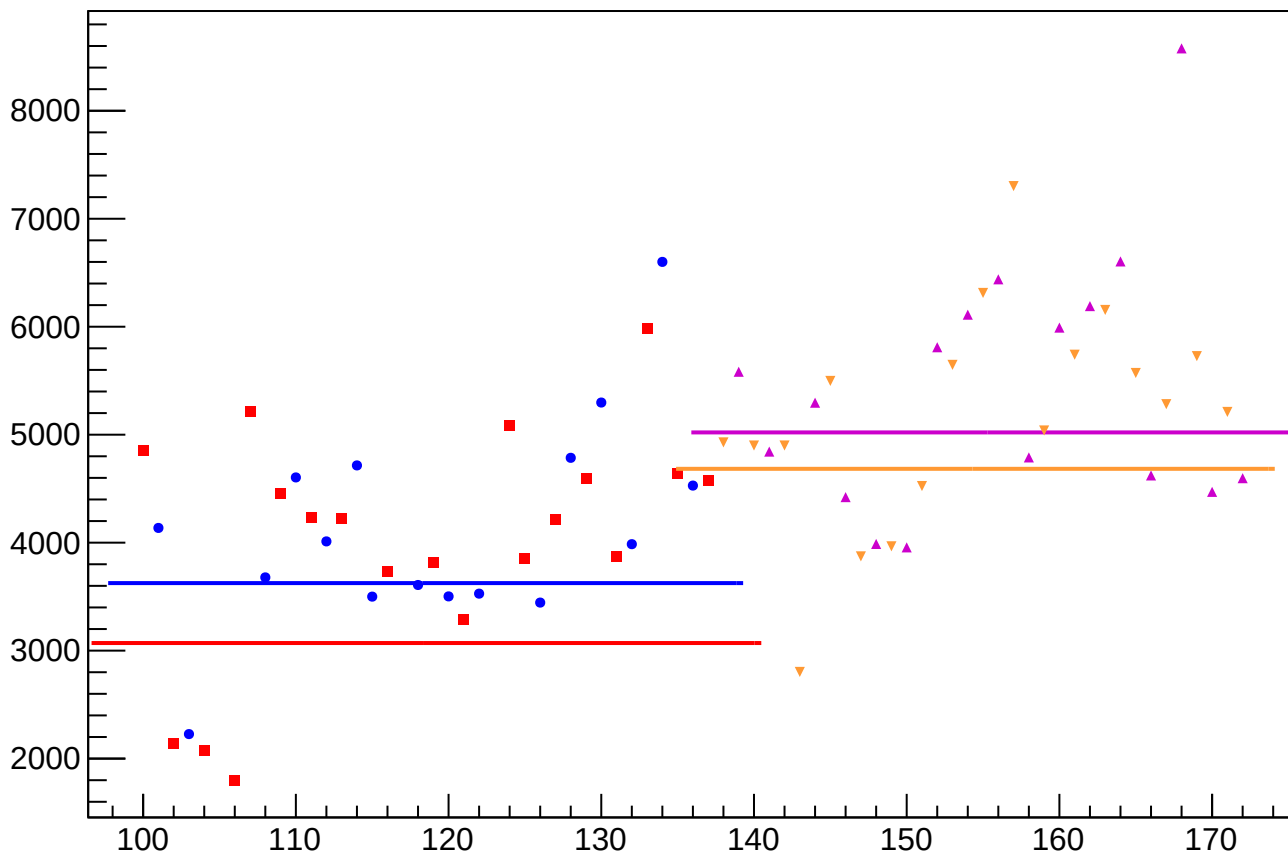
Left In: -474.844 ± 1369.011 χ^2/NDF : 10.8/16

+ sign -468.819 ± 948.034 χ^2/NDF : 38.6/33

All: -439.332 ± 654.034 χ^2/NDF : 65.6/69

- sign -412.553 ± 903.462 χ^2/NDF : 27.1/35

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3625.512 $\pm$ 0.993 χ^2 /NDF: 944905.4/15

Left Out: 4683.909 $\pm$ 0.909 χ^2 /NDF: 1549840.7/17

Right Out: 3070.442 $\pm$ 0.850 χ^2 /NDF: 1838659.1/18

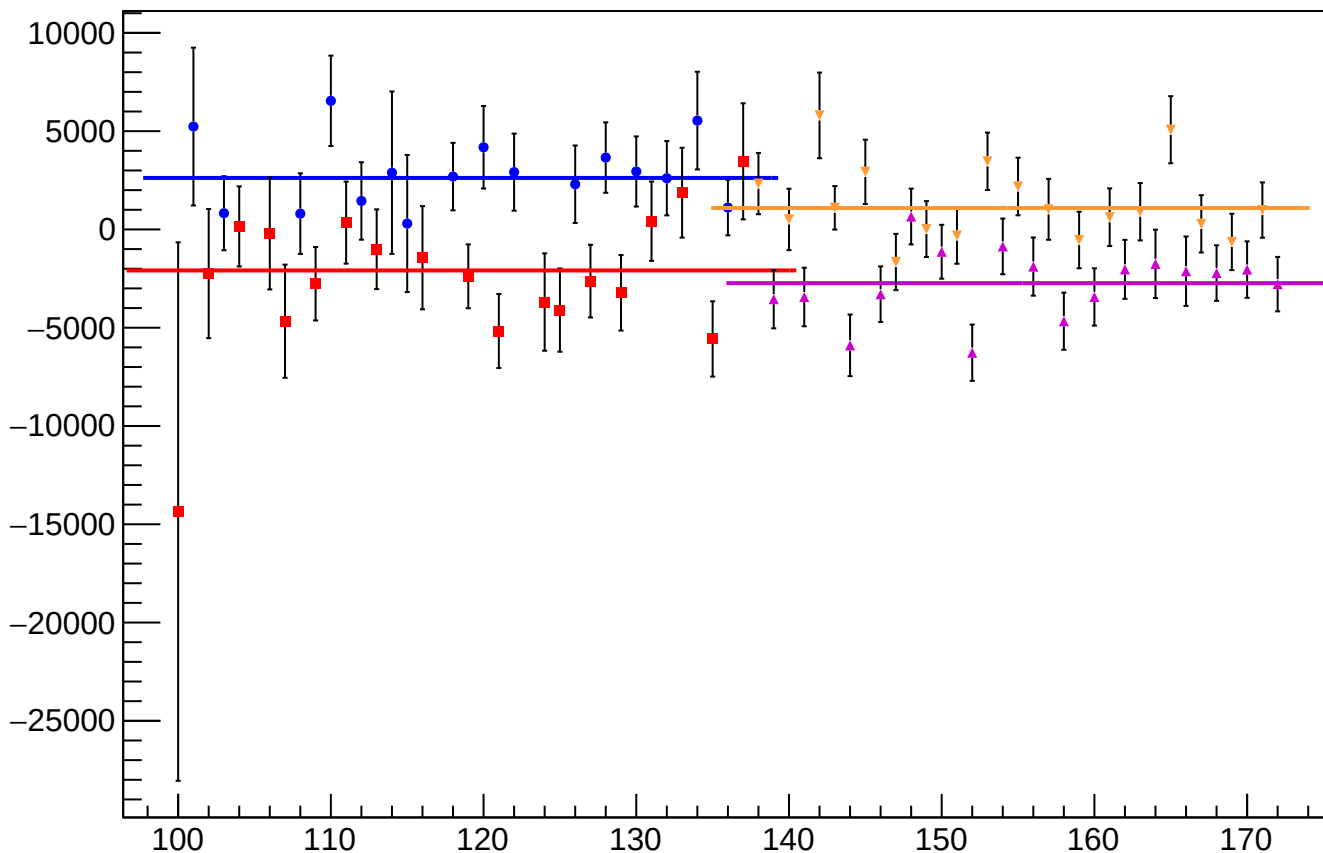
Left In: 5021.056 $\pm$ 0.968 χ^2 /NDF: 981633.6/16

+ sign 4201.652 $\pm$ 0.670 χ^2 /NDF: 3113031.6/33

All: 4054.033 $\pm$ 0.462 χ^2 /NDF: 8317826.6/69

- sign 3919.969 $\pm$ 0.639 χ^2 /NDF: 5112264.4/35

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2620.535 $\pm$ 511.510 χ^2 /NDF: 9.3/15

Left Out: 1091.180 $\pm$ 347.866 χ^2 /NDF:23.7/17

Right Out: -2085.608 $\pm$ 504.873 χ^2 /NDF: 20.9/18

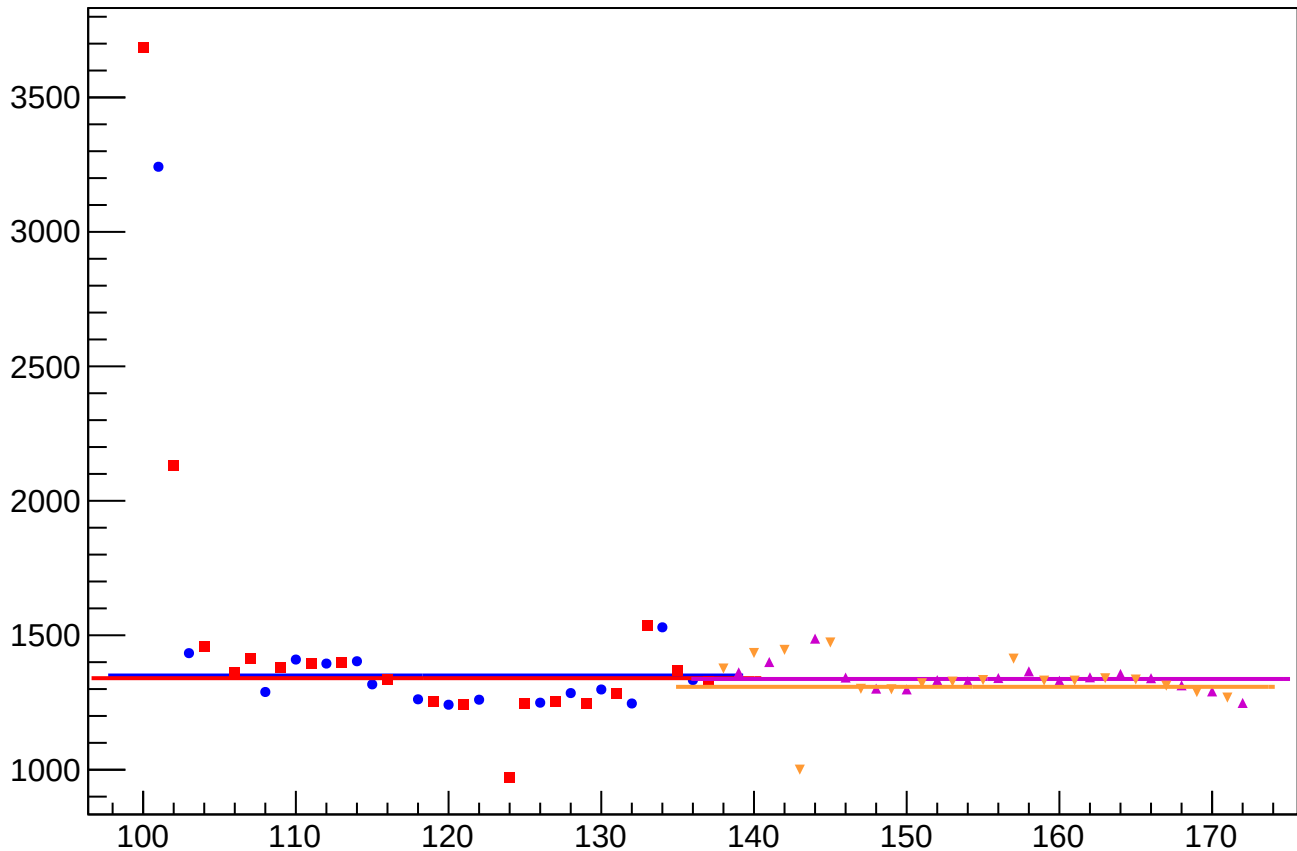
Left In: -2730.411 $\pm$ 357.325 χ^2 /NDF:23.0/16

+ sign 1574.825 $\pm$ 287.649 χ^2 /NDF: 39.2/33

All: -441.839 $\pm$ 204.804 χ^2 /NDF: 183.9/69

- sign -2515.215 $\pm$ 291.666 χ^2 /NDF: 45.1/35

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

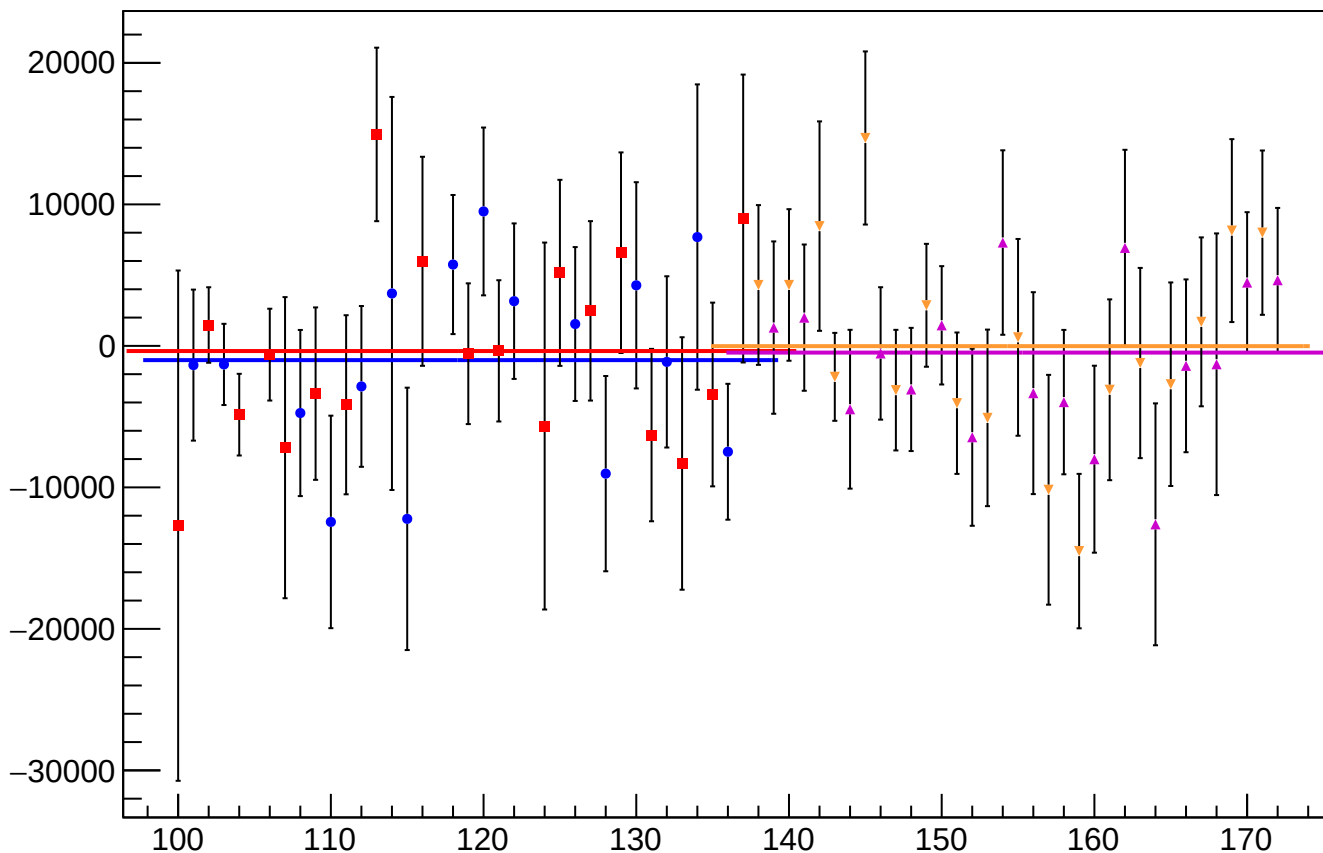
Left In: 1337.528 ± 0.253 χ^2/NDF : 37428.1/16

+ sign 1321.587 ± 0.203 χ^2/NDF : 718011.9/33

All: 1329.926 ± 0.145 χ^2/NDF : 1031075.0/69

- sign 1338.496 ± 0.206 χ^2/NDF : 309654.6/35

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



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

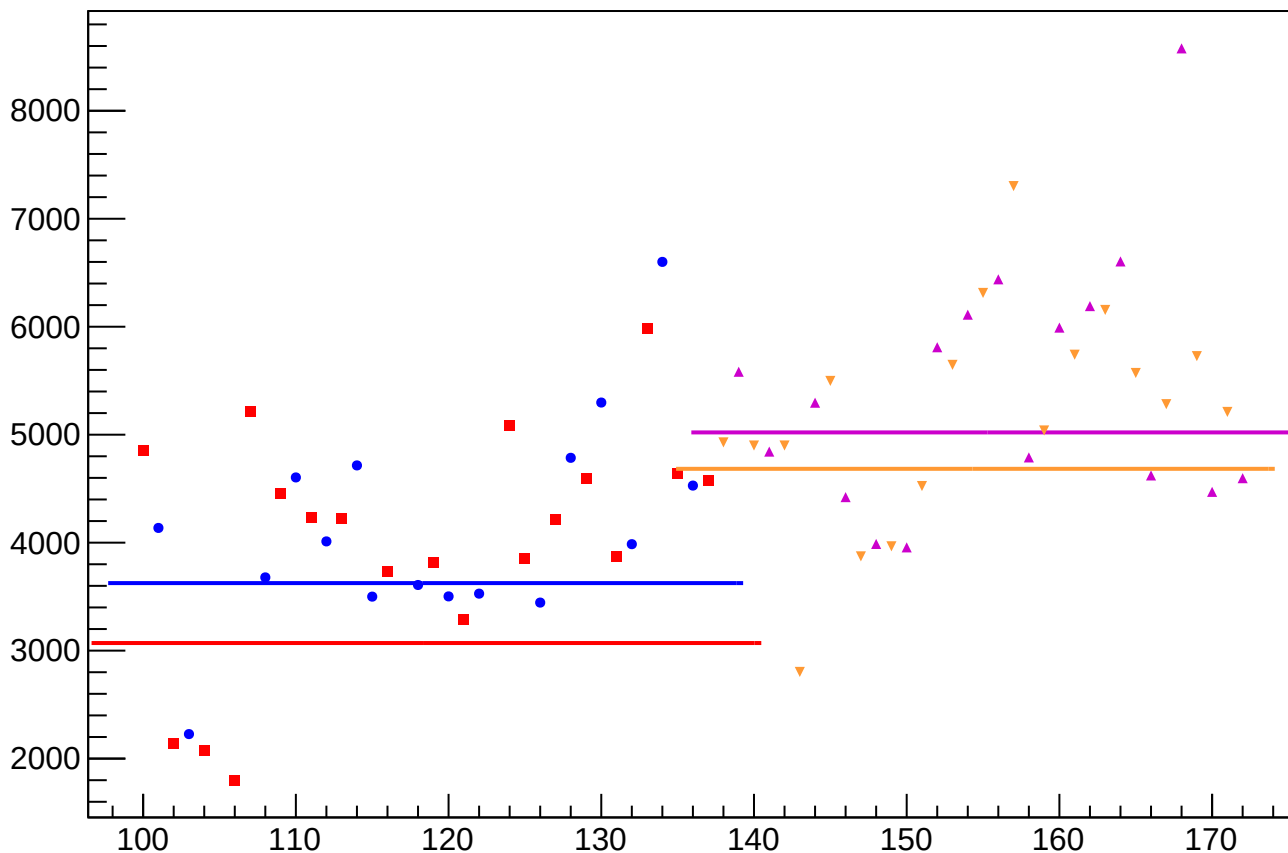
Left In: -474.843 ± 1369.013 χ^2/NDF : 10.8/16

+ sign -468.819 ± 948.034 χ^2/NDF : 38.6/33

All: -439.332 ± 654.033 χ^2/NDF : 65.6/69

- sign -412.553 ± 903.461 χ^2/NDF : 27.1/35

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



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

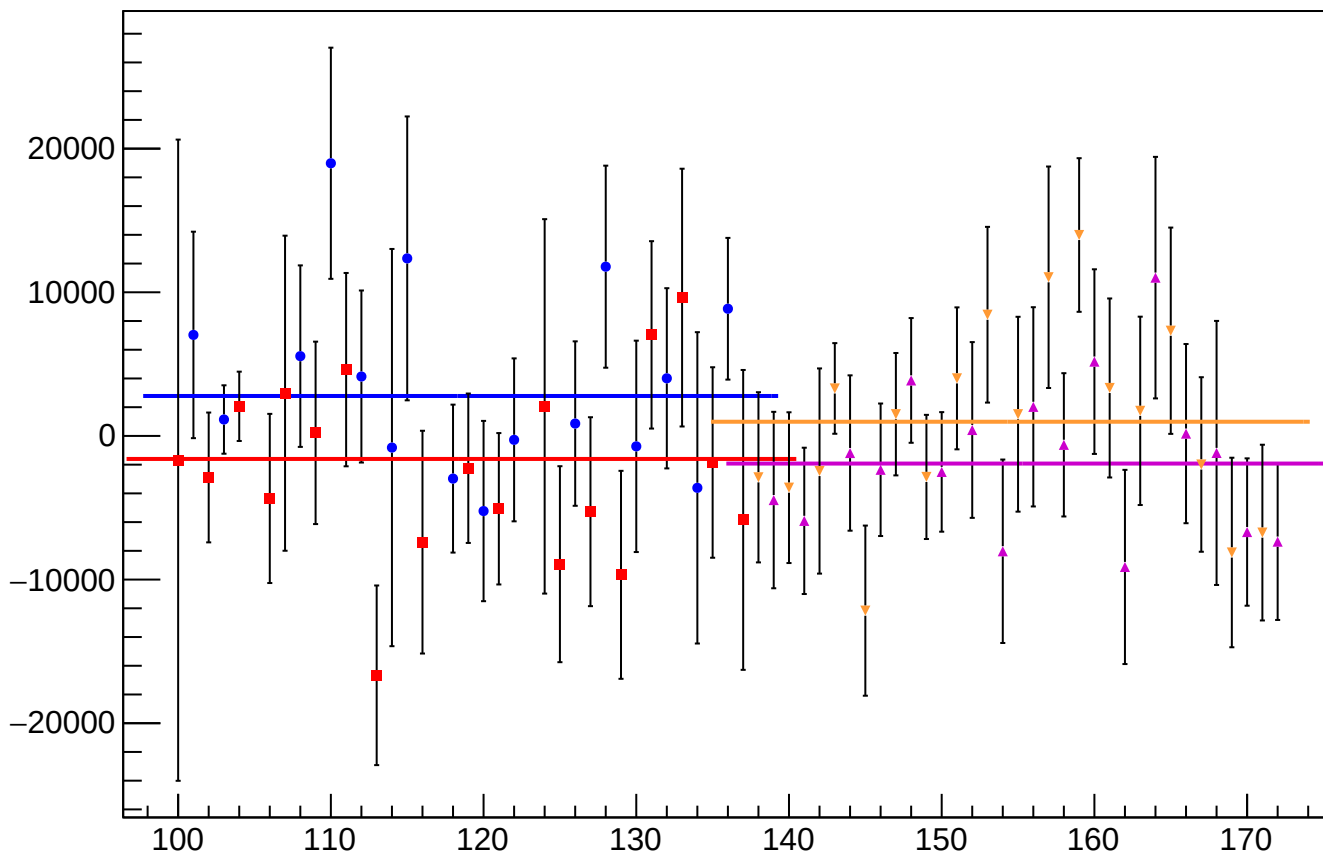
Left In: 5021.063+/-0.968 χ^2/NDF : 981635.4/16

+ sign 4201.650+/-0.670 χ^2/NDF : 3113054.0/33

All: 4054.029+/-0.462 χ^2/NDF : 8317894.3/69

- sign 3919.963+/-0.639 χ^2/NDF : 5112307.4/35

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

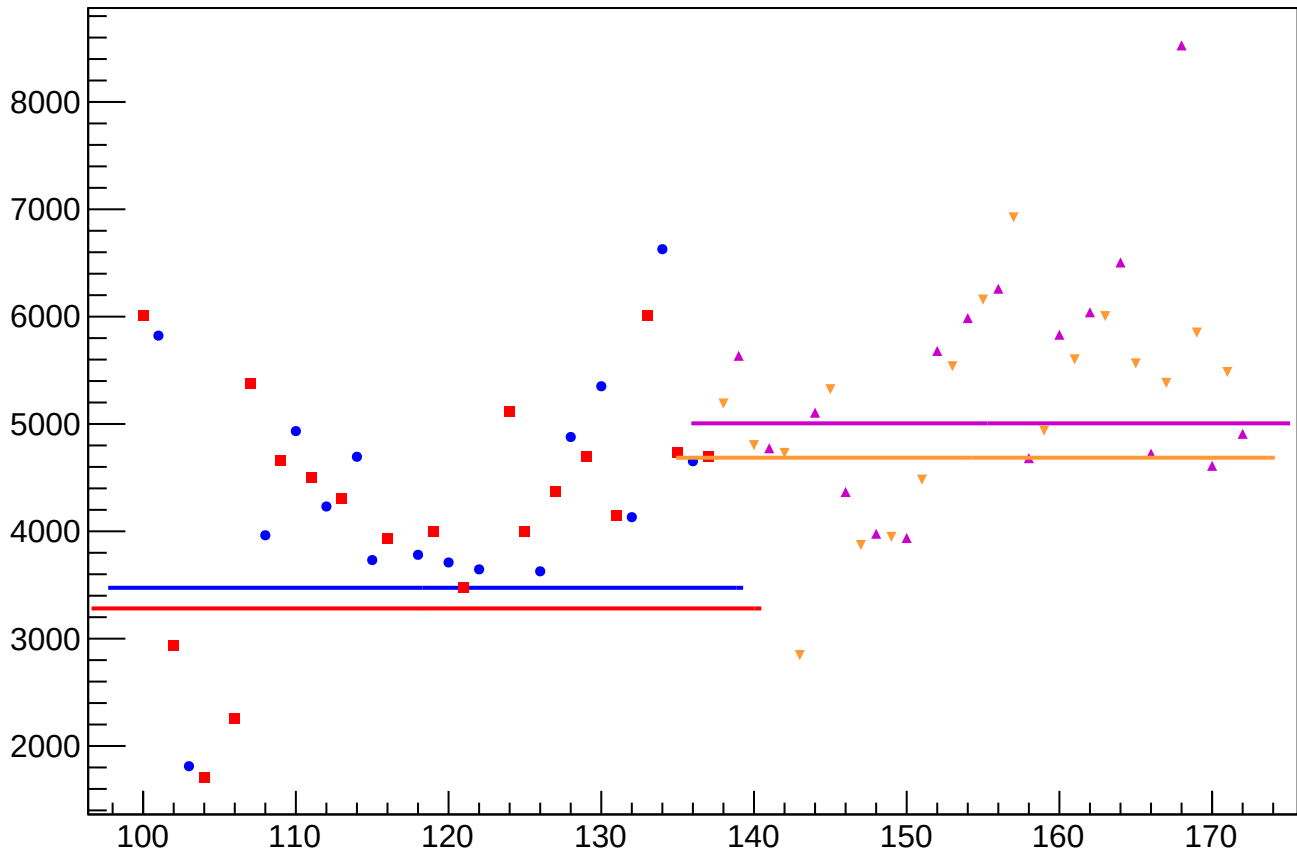
Left In: -1923.667+/-1362.417 χ^2/NDF : 10.8/16

+ sign 1812.404+/-942.204 χ^2/NDF : 35.9/33

All: 48.864+/-670.463 χ^2/NDF : 70.6/69

- sign -1760.126+/-954.268 χ^2/NDF : 27.6/35

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

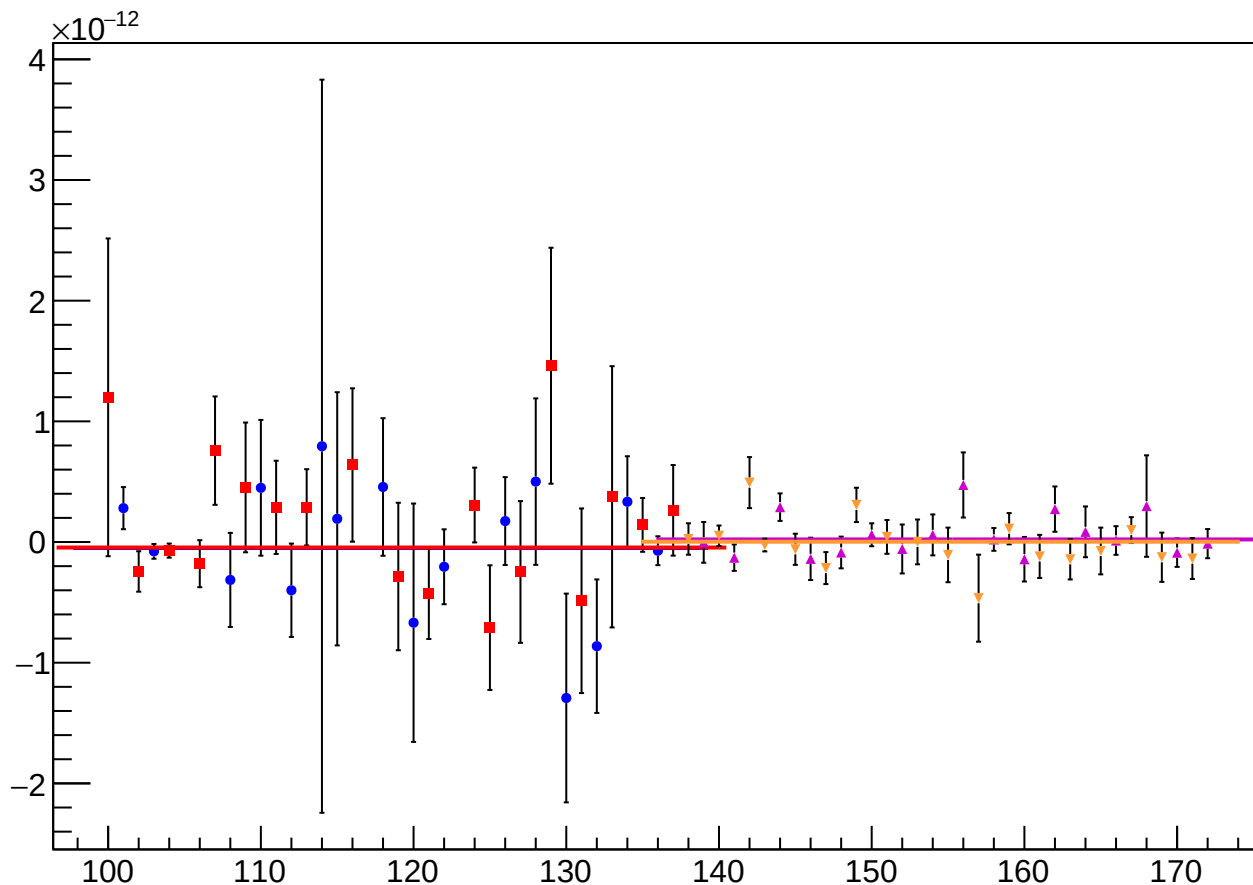
Left In: 5005.955+/-0.963 χ^2/NDF : 907177.8/16

+ sign 4128.402+/-0.666 χ^2/NDF : 4101765.7/33

All: 4122.055+/-0.472 χ^2/NDF : 8538916.7/69

- sign 4115.635+/-0.670 χ^2/NDF : 4436968.5/35

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.5/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/18

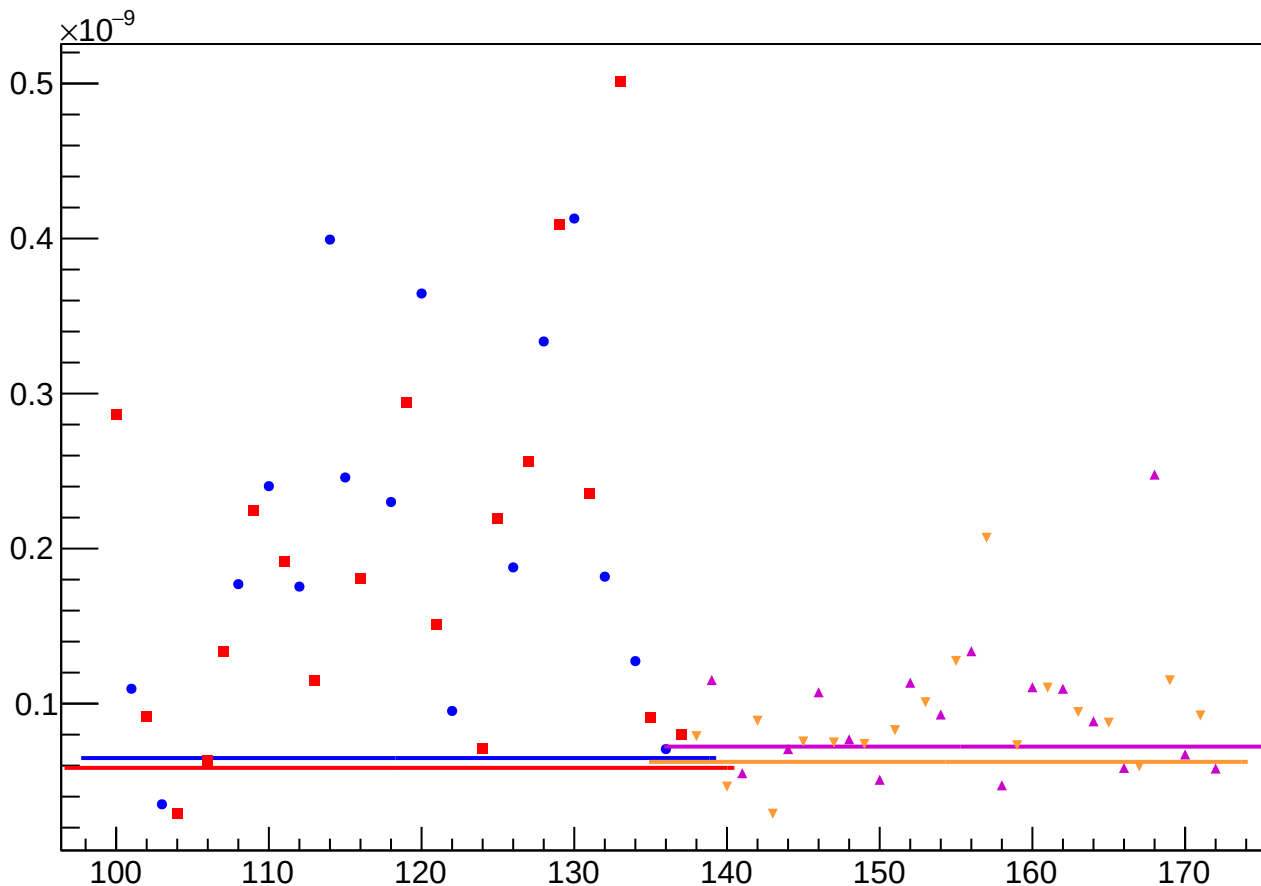
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.2/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 70.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/35

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2592912.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2065185.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2855105.2/18

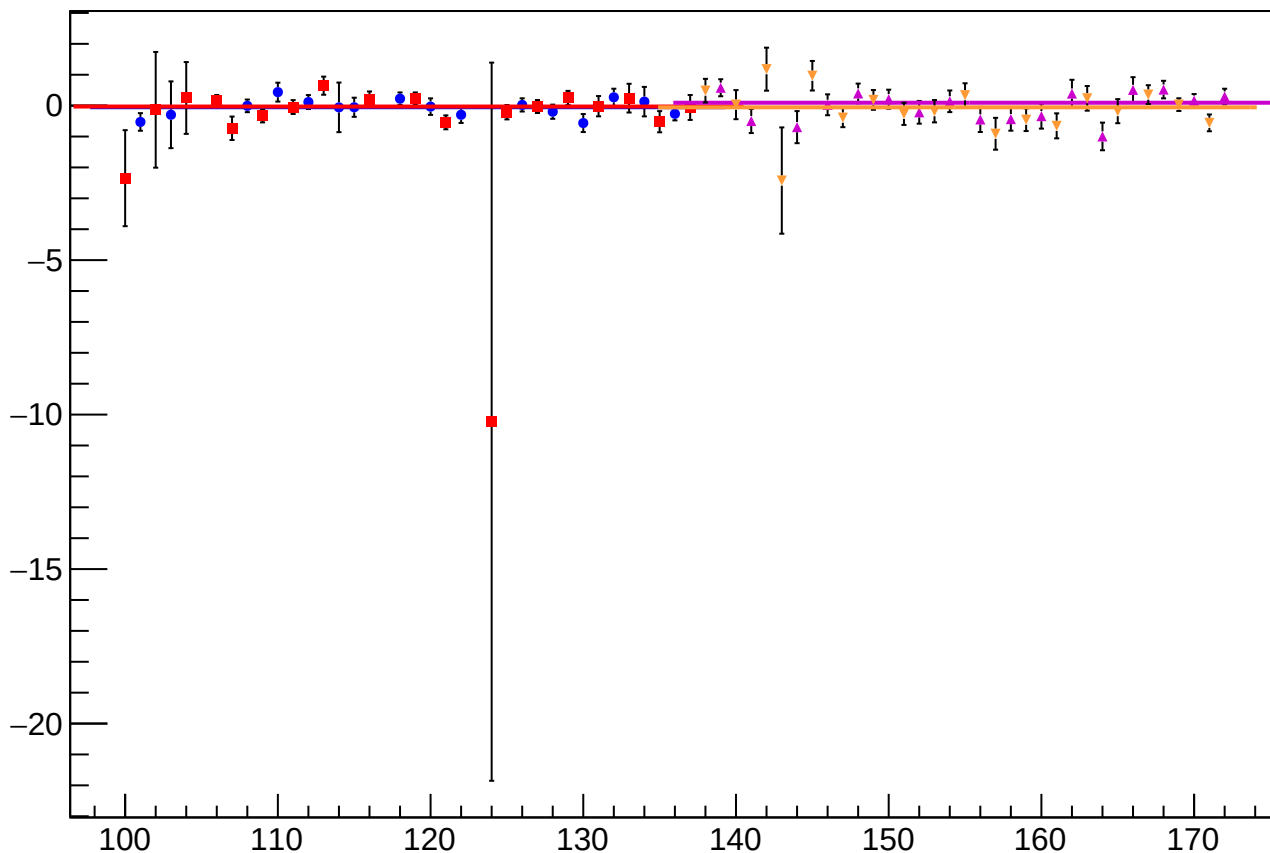
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1302332.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4661804.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8959916.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4267886.8/35

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



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

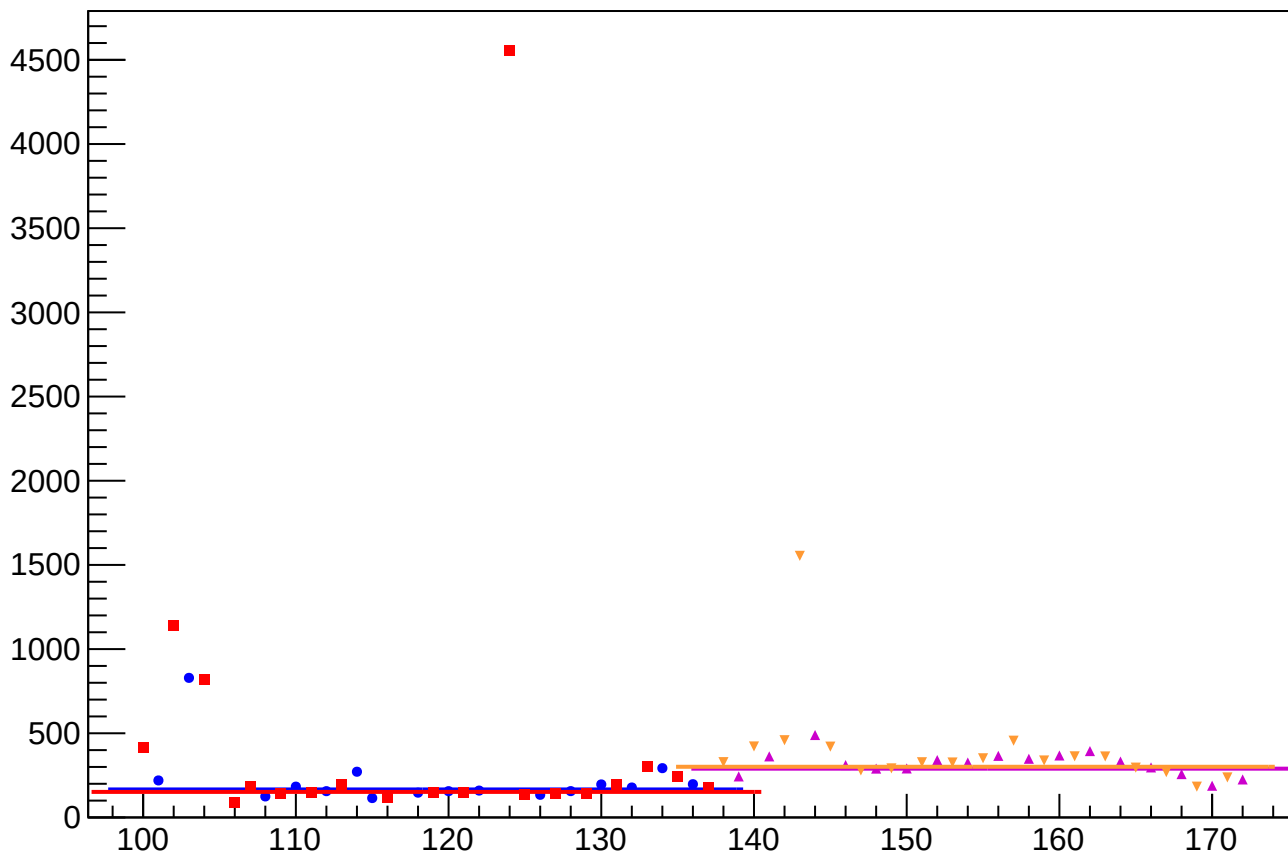
Left In: 0.094 ± 0.081 χ^2/NDF : 24.8/16

+ sign -0.053 ± 0.052 χ^2/NDF : 41.9/33

All: -0.015 ± 0.036 χ^2/NDF : 96.7/69

- sign 0.018 ± 0.050 χ^2/NDF : 53.8/35

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.360 $\pm$ 0.047 χ^2 /NDF: 1282728.5/15

Left Out: 301.035 $\pm$ 0.060 χ^2 /NDF:2586225.5/17

Right Out: 151.791 $\pm$ 0.045 χ^2 /NDF: 2315638.8/18

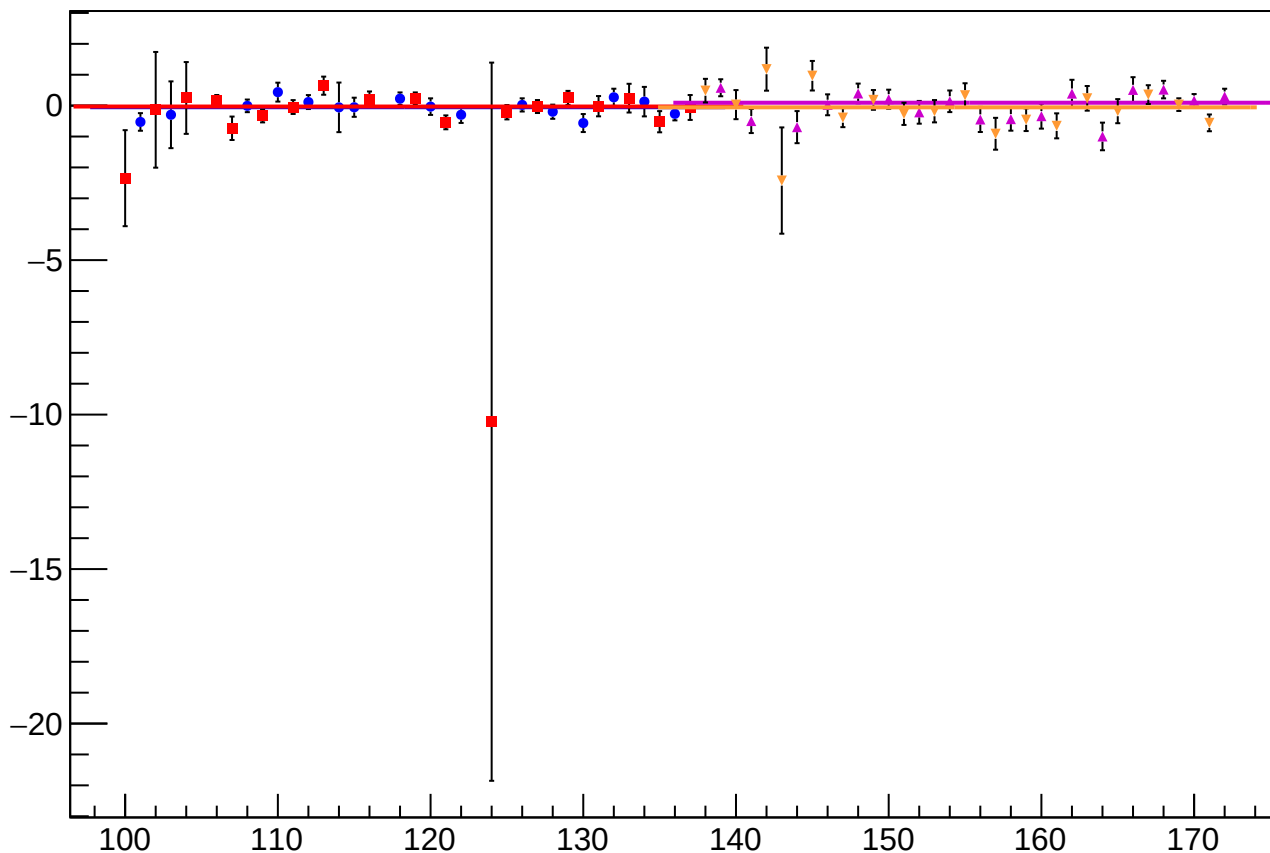
Left In: 289.781 $\pm$ 0.057 χ^2 /NDF:1421221.9/16

+ sign 217.803 $\pm$ 0.037 χ^2 /NDF: 6980901.6/33

All: 211.165 $\pm$ 0.026 χ^2 /NDF: 14368147.9/69

- sign 205.096 $\pm$ 0.035 χ^2 /NDF: 7325937.2/35

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

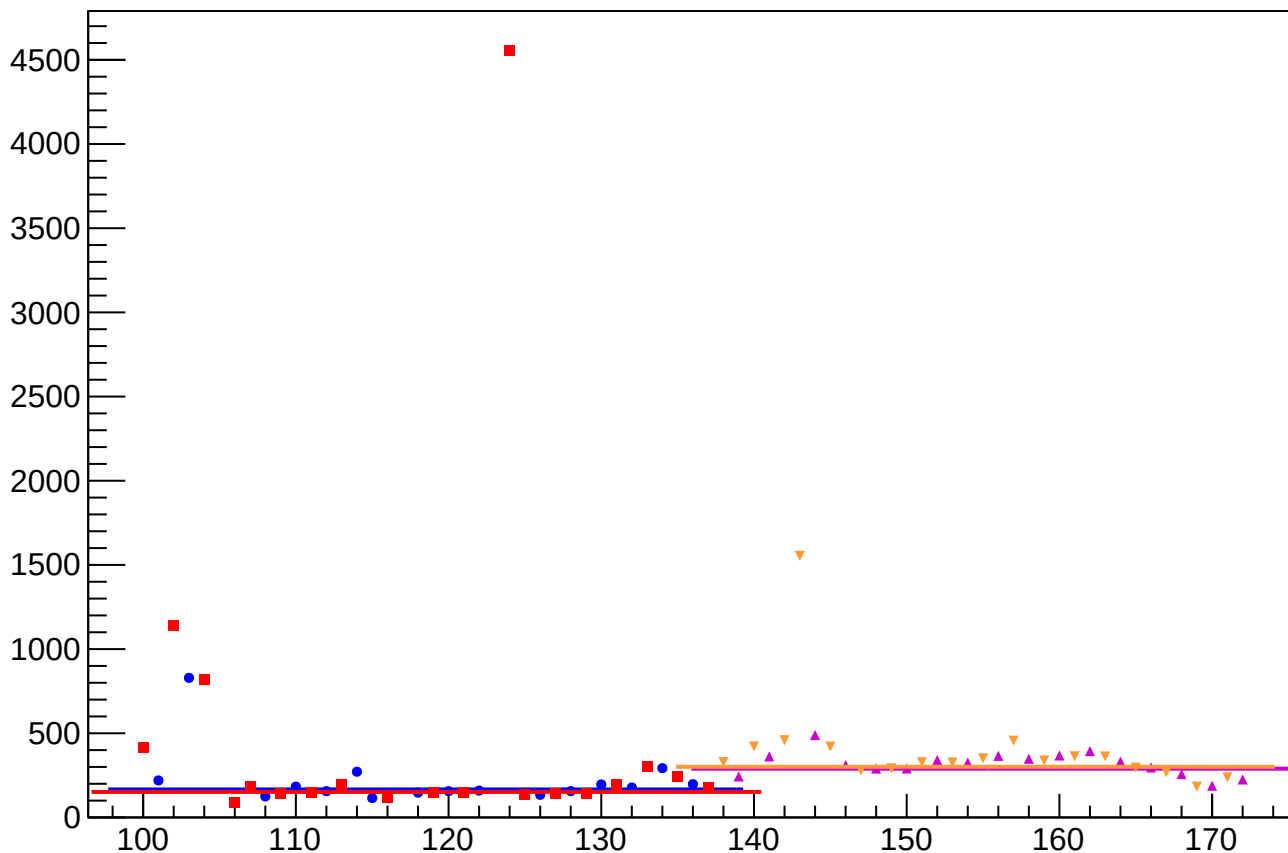
Left In: 0.094 ± 0.081 χ^2/NDF : 24.8/16

+ sign -0.053 ± 0.052 χ^2/NDF : 41.9/33

All: -0.015 ± 0.036 χ^2/NDF : 96.7/69

- sign 0.018 ± 0.050 χ^2/NDF : 53.8/35

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 166.360 $\pm$ 0.047 χ^2/NDF : 1282728.5/15

Left Out: 301.035 $\pm$ 0.060 χ^2/NDF : 2586225.5/17

Right Out: 151.791 $\pm$ 0.045 χ^2/NDF : 2315638.8/18

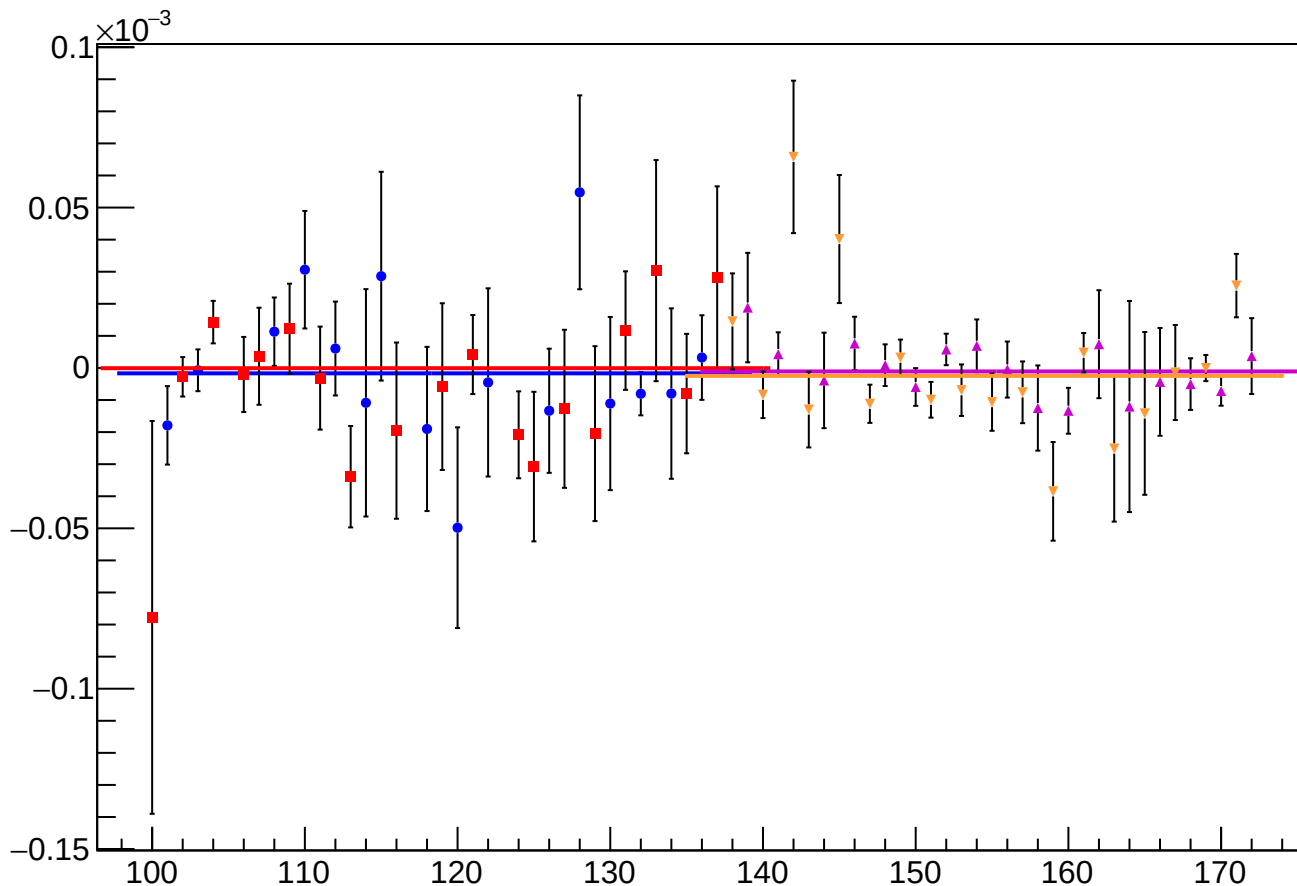
Left In: 289.781 $\pm$ 0.057 χ^2/NDF : 1421221.9/16

+ sign 217.803 $\pm$ 0.037 χ^2/NDF : 6980901.6/33

All: 211.165 $\pm$ 0.026 χ^2/NDF : 14368147.9/69

- sign 205.096 $\pm$ 0.035 χ^2/NDF : 7325937.2/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

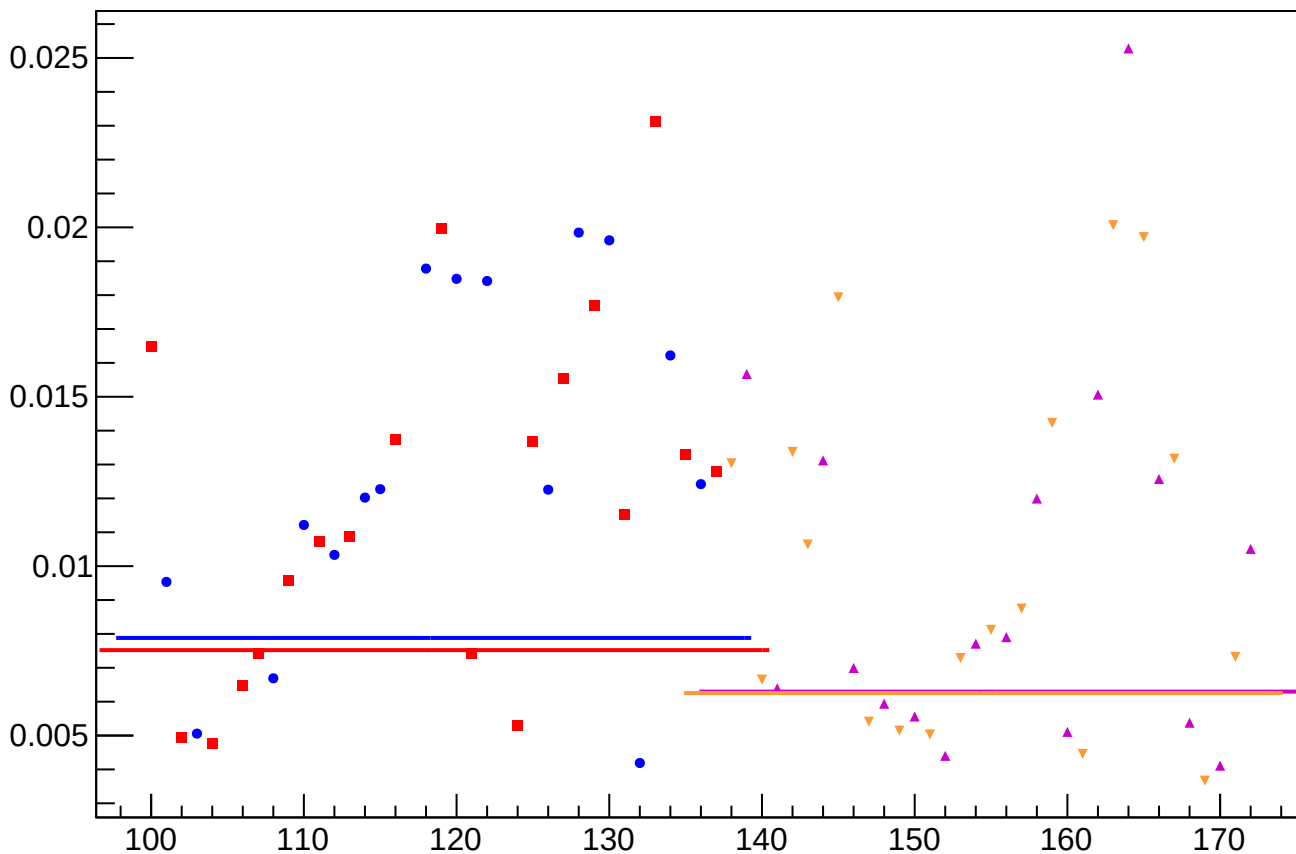
Left In: -0.000+/-0.000 χ^2 /NDF: 13.1/16

+ sign -0.000+/-0.000 χ^2 /NDF: 54.0/33

All: -0.000+/-0.000 χ^2 /NDF: 87.4/69

- sign -0.000+/-0.000 χ^2 /NDF: 33.0/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

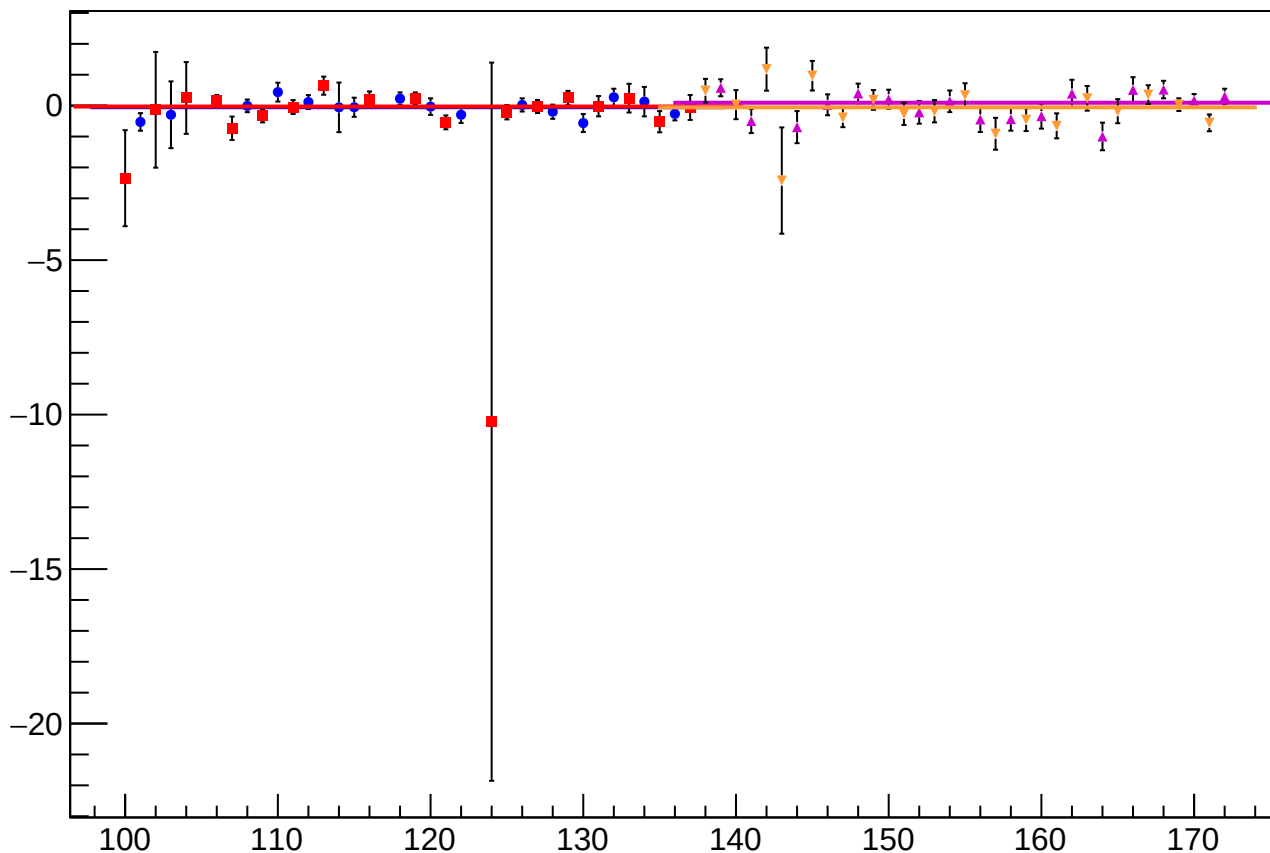
Left In: 0.006+/-0.000 χ^2/NDF : 4148594.2/16

+ sign 0.007+/-0.000 χ^2/NDF : 8944487.1/33

All: 0.007+/-0.000 χ^2/NDF : 16289717.6/69

- sign 0.007+/-0.000 χ^2/NDF : 7345182.4/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

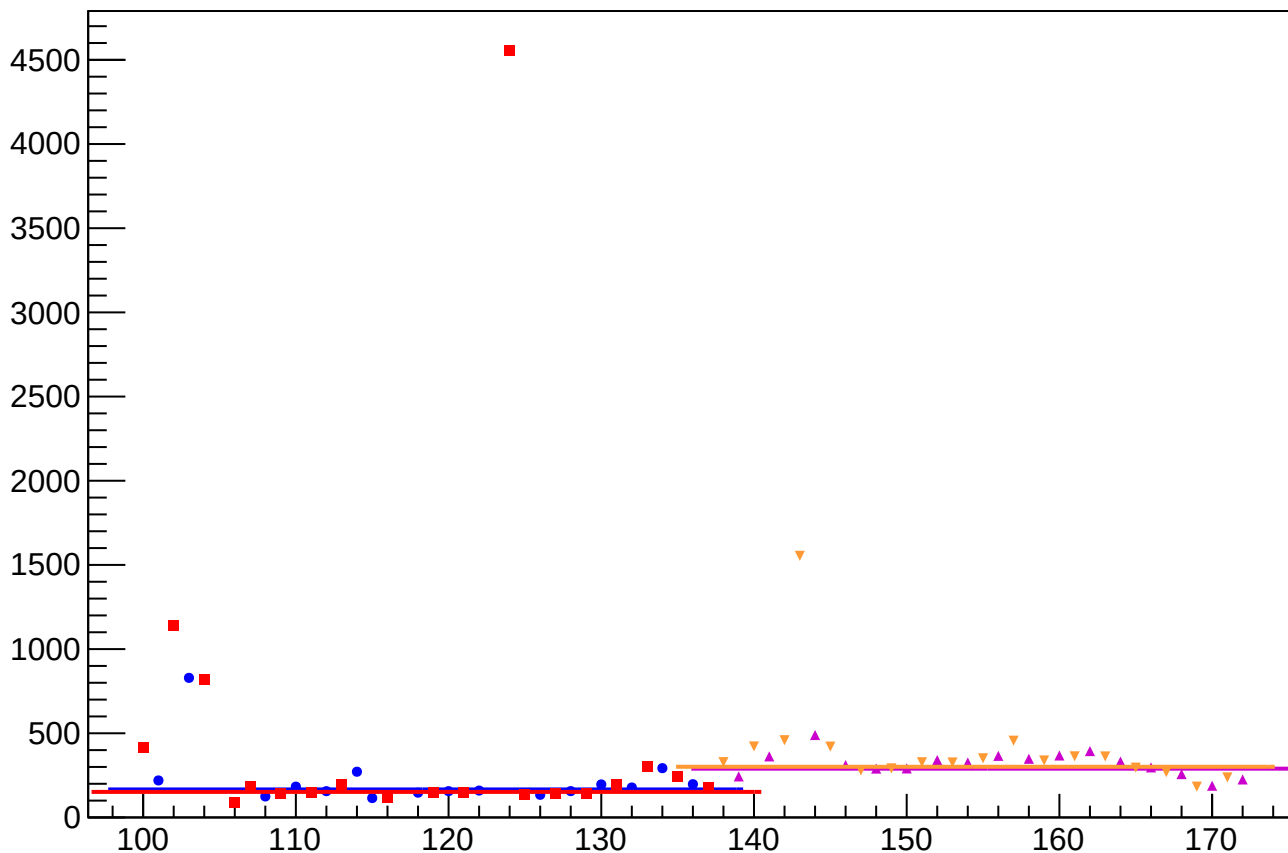
Left In: 0.094 ± 0.081 χ^2/NDF : 24.8/16

+ sign -0.053 ± 0.052 χ^2/NDF : 41.9/33

All: -0.015 ± 0.036 χ^2/NDF : 96.7/69

- sign 0.018 ± 0.050 χ^2/NDF : 53.8/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 166.359 ± 0.047 $\chi^2/\text{NDF}: 1282724.2/15$

Left Out: 301.037 ± 0.060 $\chi^2/\text{NDF}: 2586333.5/17$

Right Out: 151.790 ± 0.045 $\chi^2/\text{NDF}: 2315641.8/18$

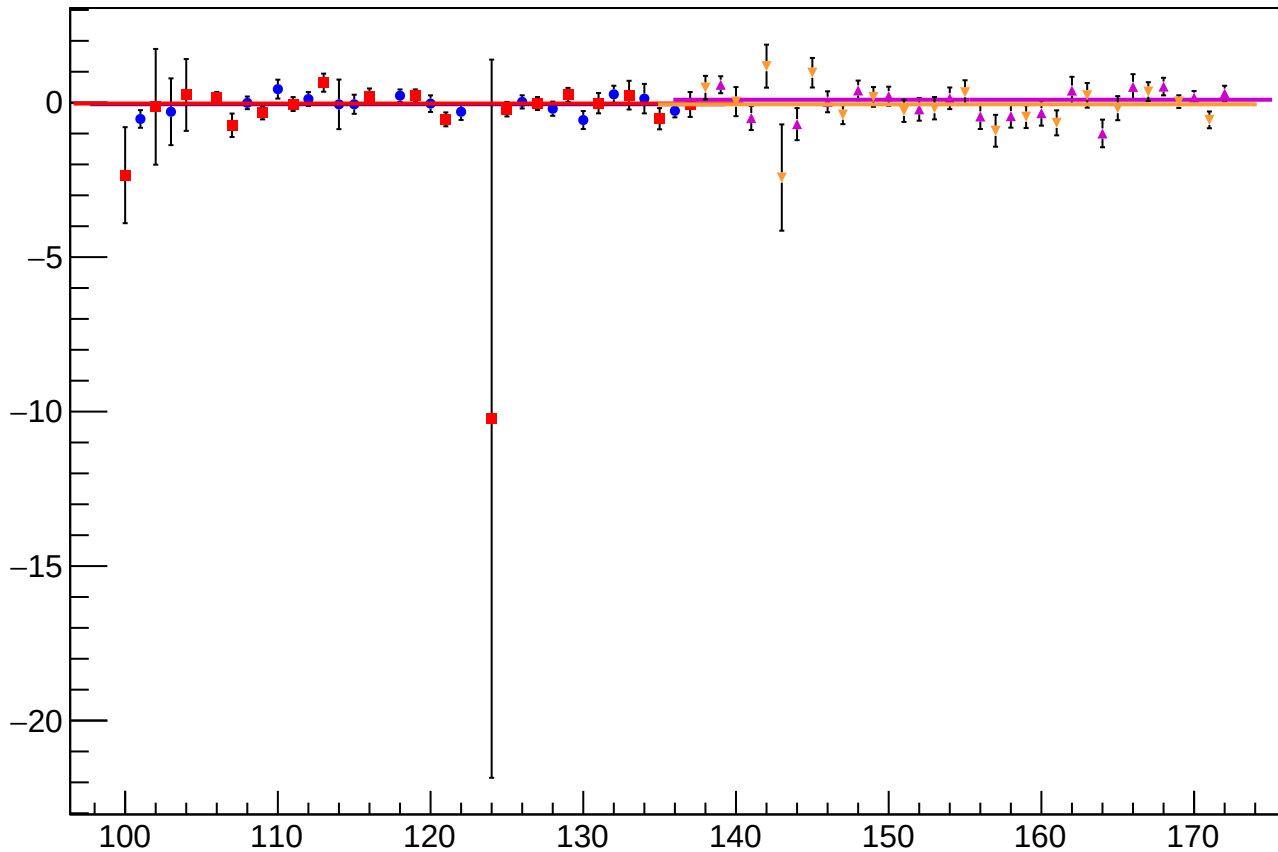
Left In: 289.783 ± 0.057 $\chi^2/\text{NDF}: 1421310.0/16$

+ sign 217.803 ± 0.037 $\chi^2/\text{NDF}: 6981094.4/33$

All: 211.164 ± 0.026 $\chi^2/\text{NDF}: 14368589.7/69$

- sign 205.095 ± 0.035 $\chi^2/\text{NDF}: 7326180.8/35$

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

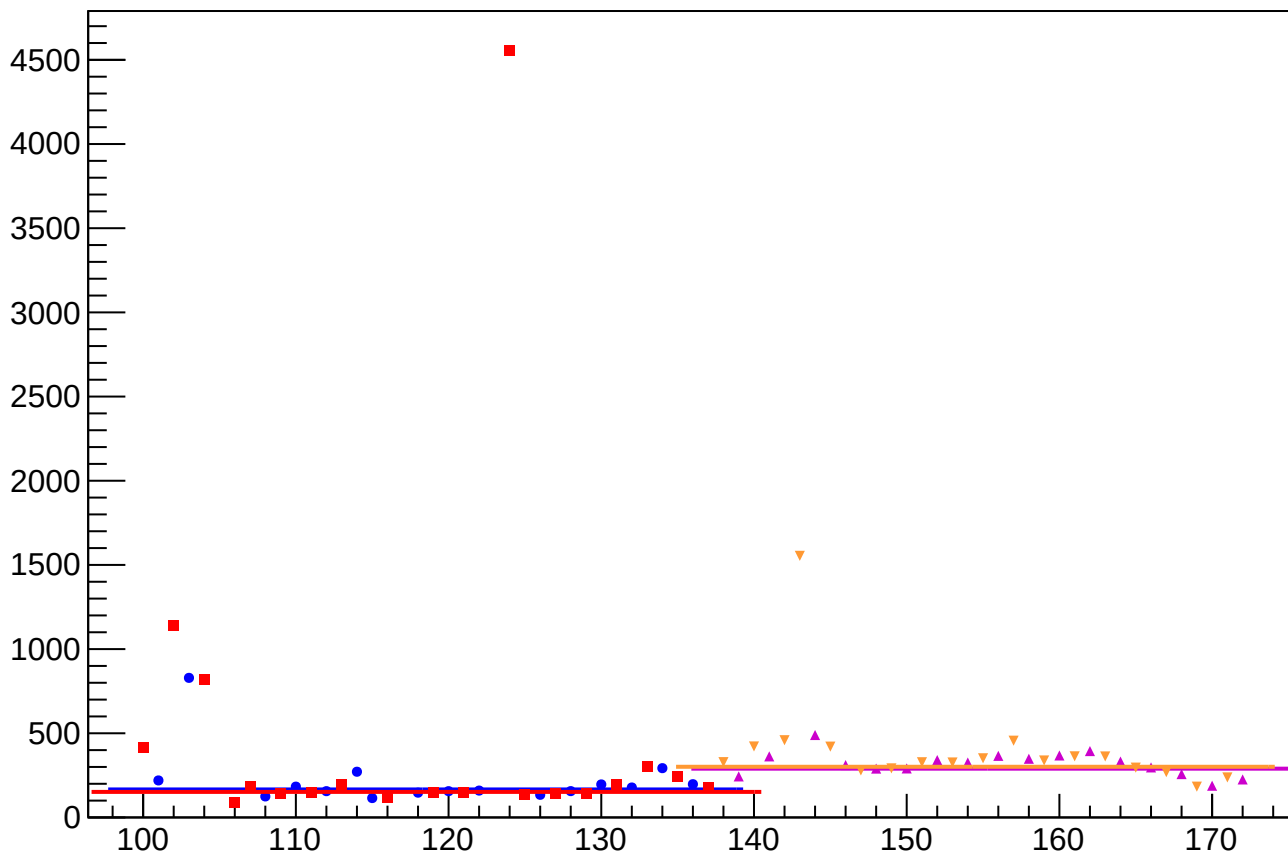
Left In: 0.094 ± 0.081 χ^2/NDF : 24.8/16

+ sign -0.053 ± 0.052 χ^2/NDF : 41.9/33

All: -0.015 ± 0.036 χ^2/NDF : 96.7/69

- sign 0.018 ± 0.050 χ^2/NDF : 53.8/35

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

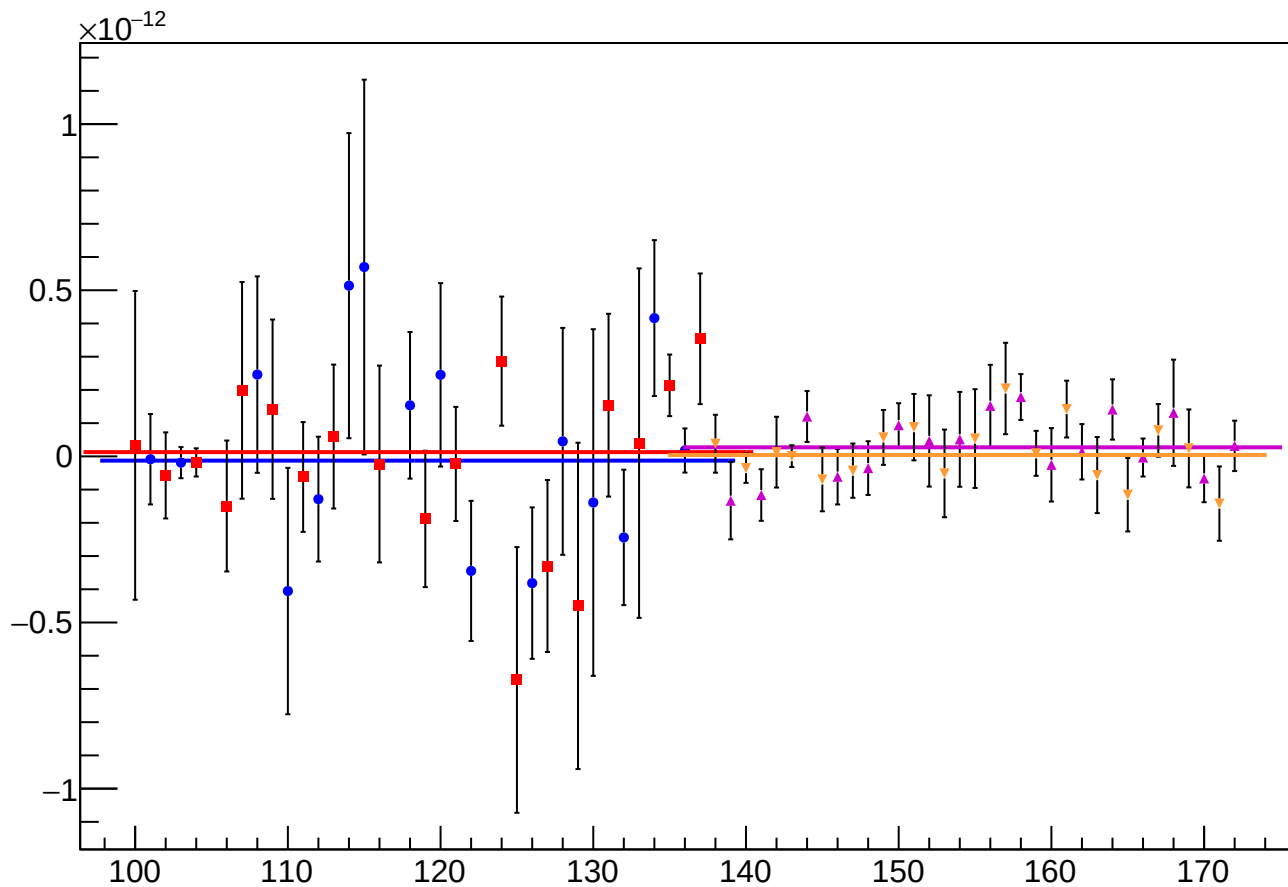
Left In: 289.783+/-0.057 χ^2/NDF : 1421310.0/16

+ sign 217.803+/-0.037 χ^2/NDF : 6981094.4/33

All: 211.164+/-0.026 χ^2/NDF : 14368589.7/69

- sign 205.095+/-0.035 χ^2/NDF : 7326180.8/35

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_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 : 12.1/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.9/18

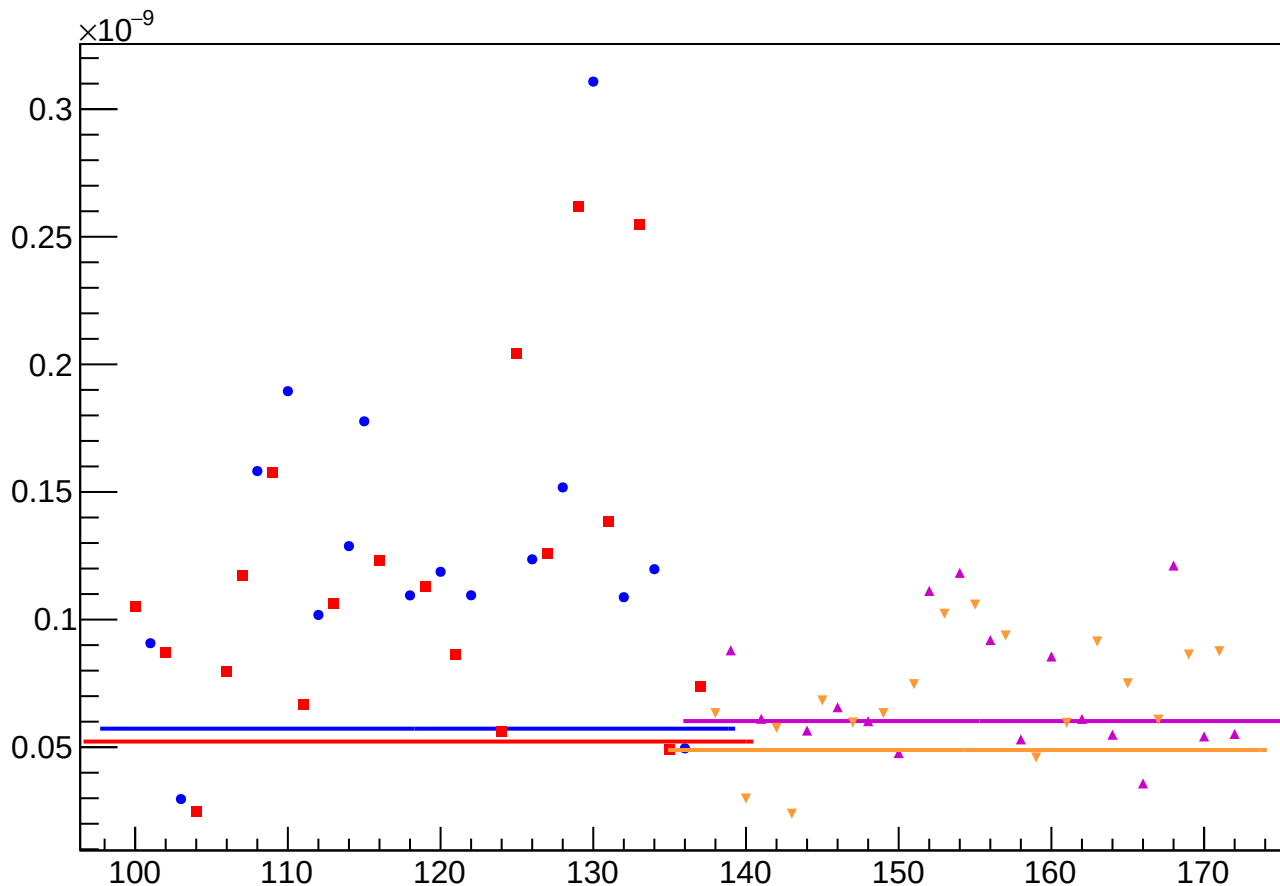
Left In: 0.000 ± 0.000 χ^2/NDF : 19.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 28.4/33

All: 0.000 ± 0.000 χ^2/NDF : 68.1/69

- sign 0.000 ± 0.000 χ^2/NDF : 38.7/35

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2983121.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3660915.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3287828.4/18

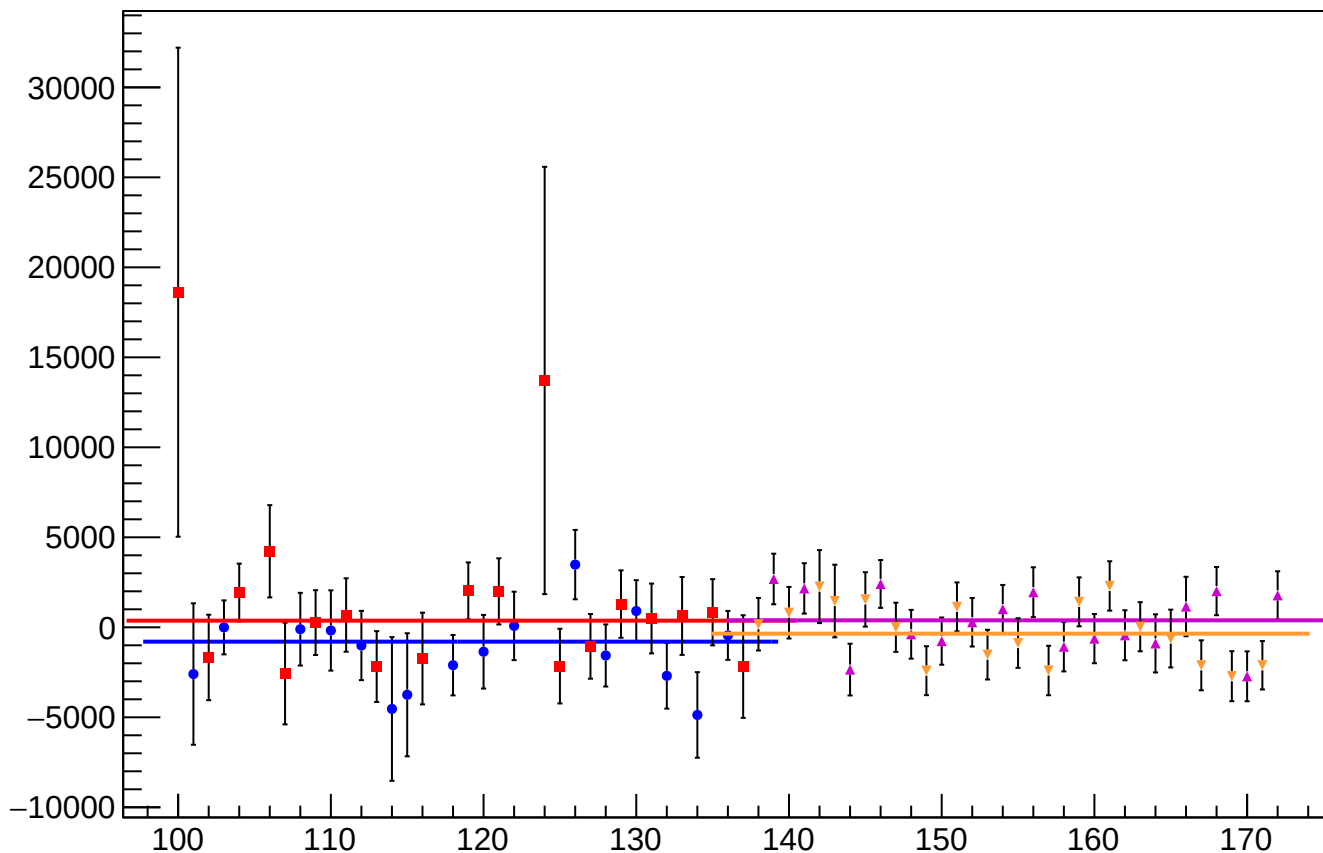
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1750581.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6743987.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12058099.7/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5129718.2/35

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

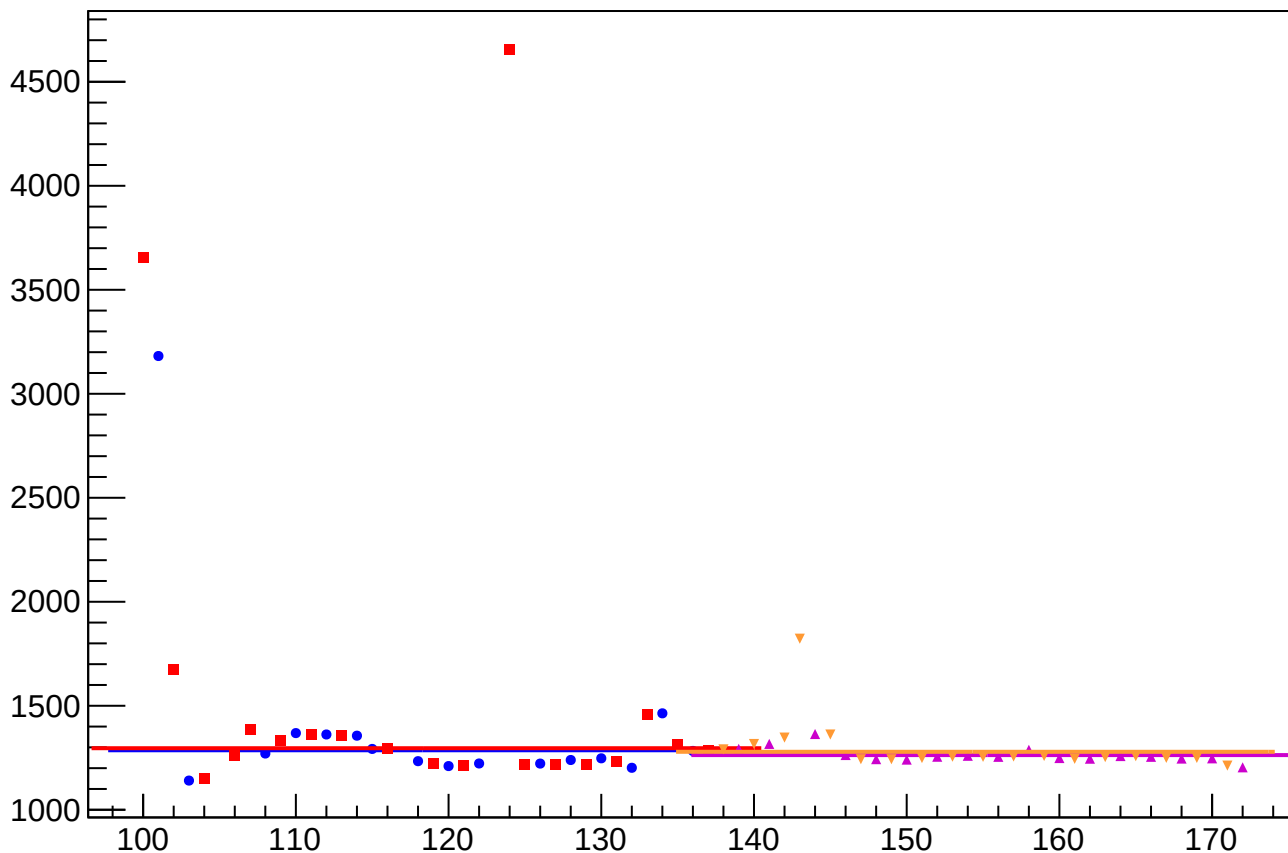
Left In: 387.171+/-337.229 χ^2/NDF : 23.3/16

+ sign -498.406+/-278.670 χ^2/NDF : 37.2/33

All: -55.809+/-196.467 χ^2/NDF : 81.1/69

- sign 381.591+/-277.030 χ^2/NDF : 38.9/35

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518126.9/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF: 170006.9/17

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

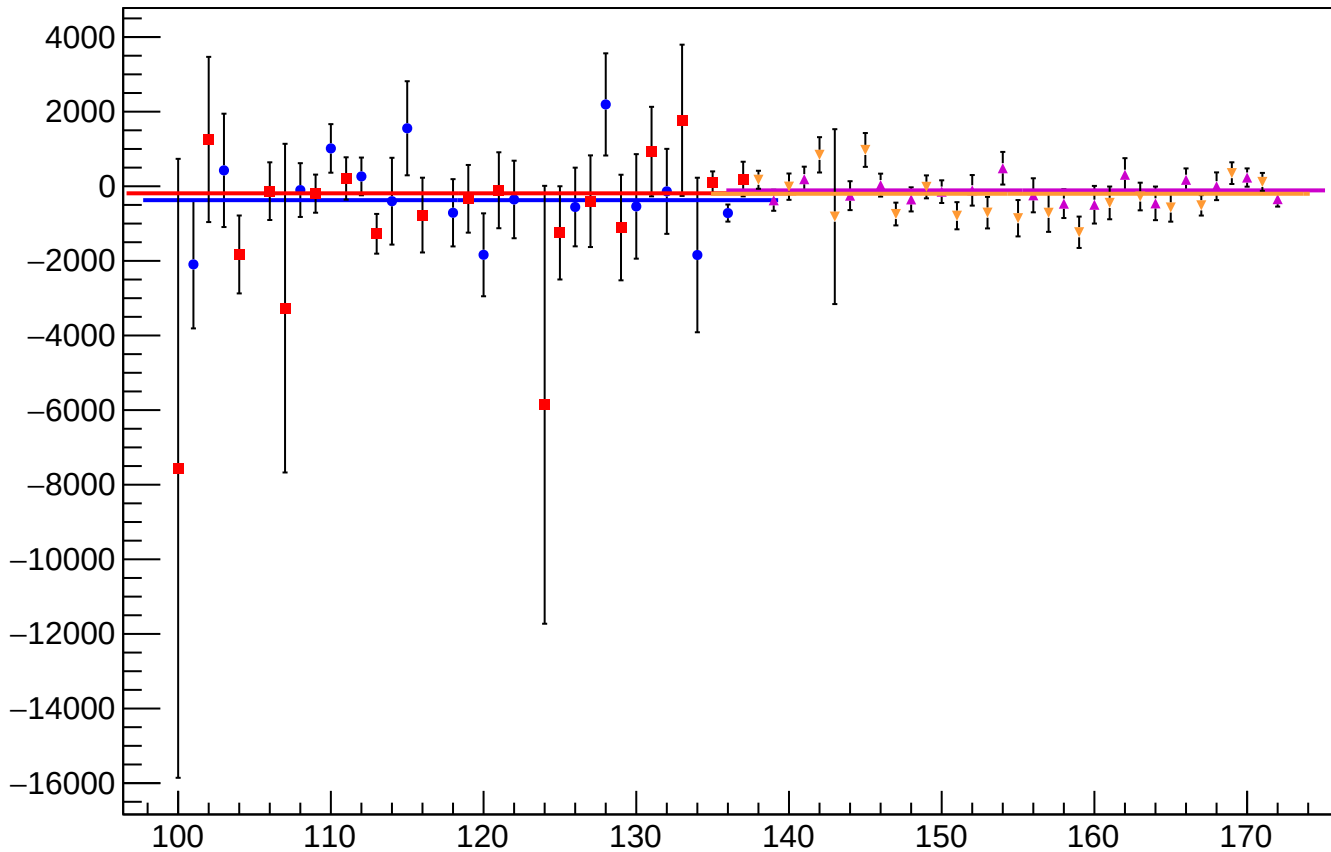
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF: 20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688441.1/33

All: 1277.368 $\pm$ 0.139 χ^2 /NDF: 1044139.1/69

- sign 1273.641 $\pm$ 0.196 χ^2 /NDF: 354969.6/35

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



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

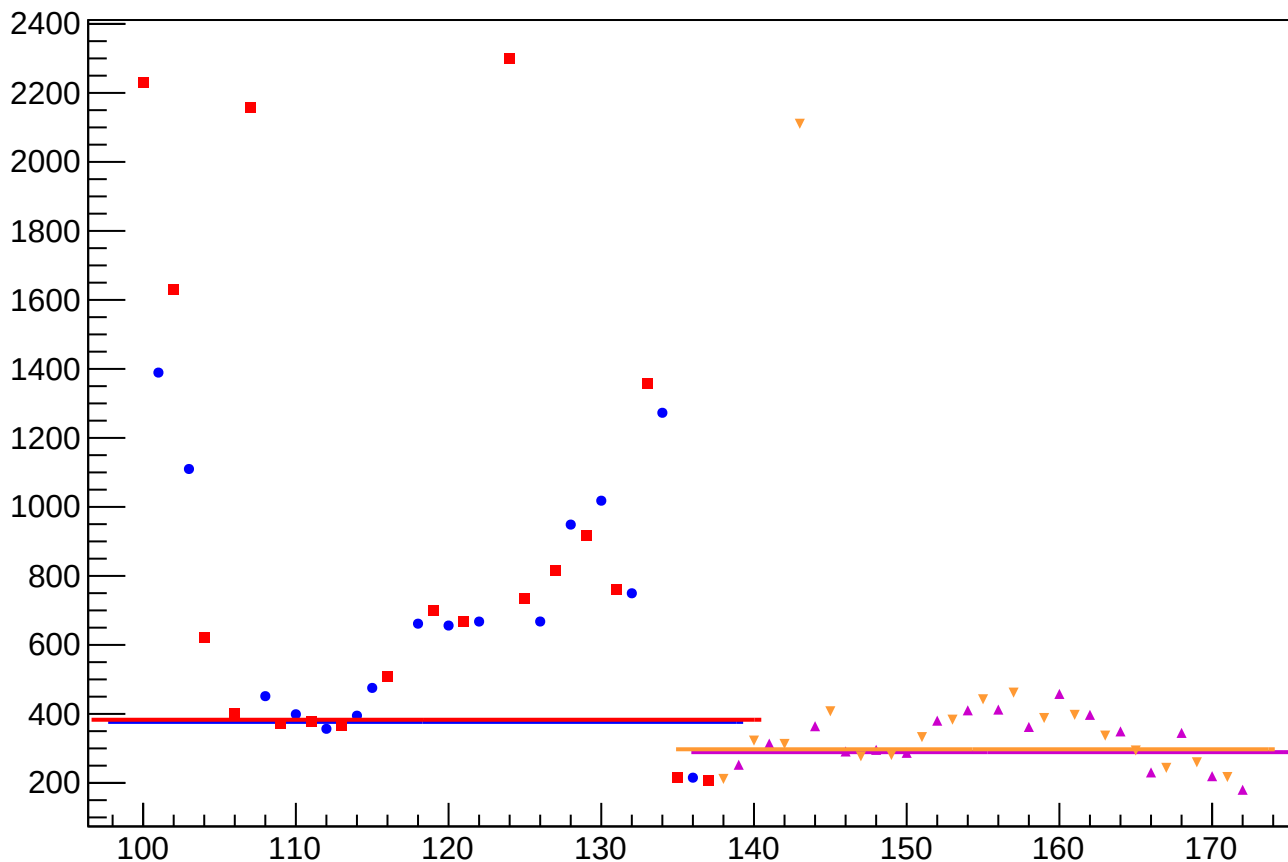
Left In: -110.327+/-80.271 χ^2/NDF : 11.7/16

+ sign -234.729+/-74.570 χ^2/NDF : 57.6/33

All: -178.215+/-52.001 χ^2/NDF : 85.3/69

- sign -124.718+/-72.553 χ^2/NDF : 26.5/35

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



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

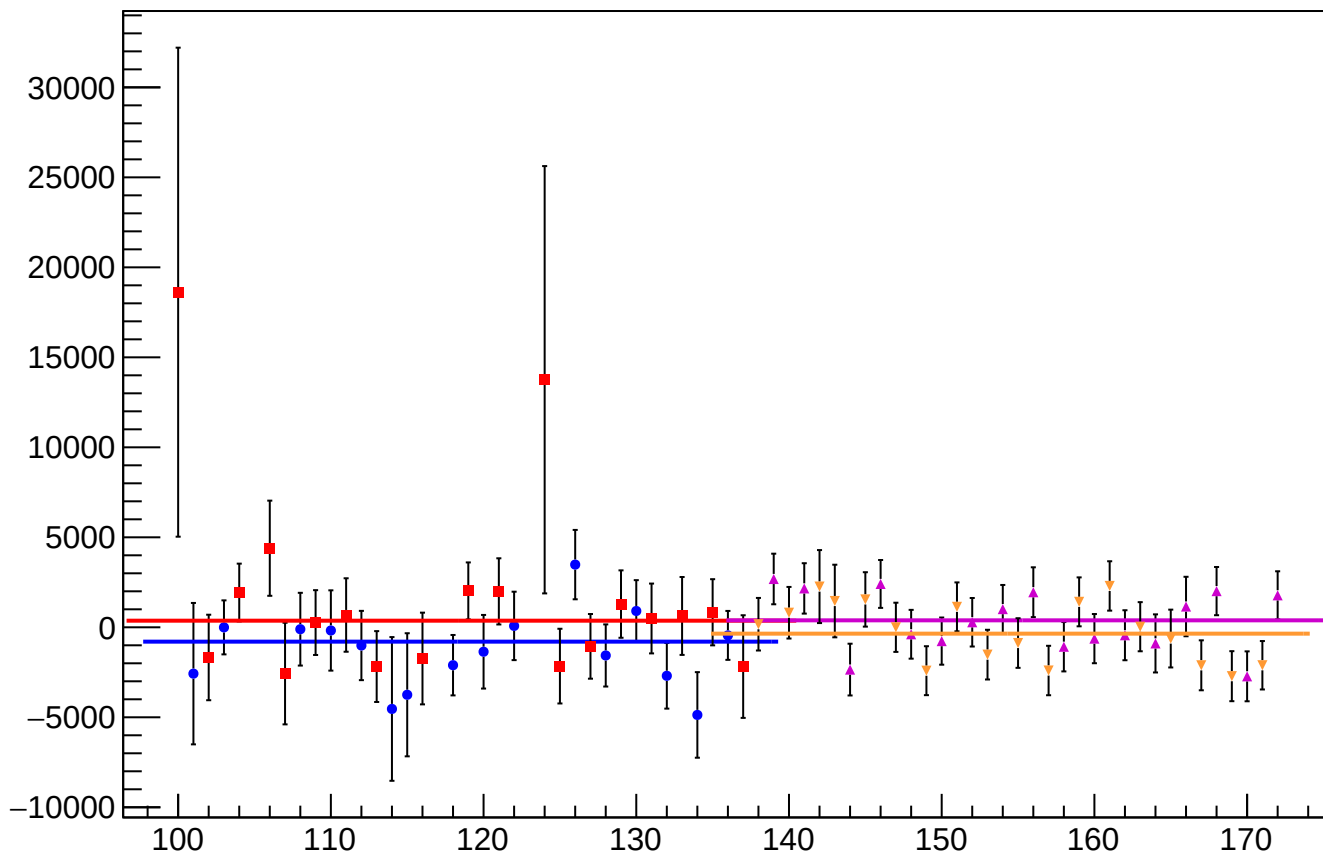
Left In: 289.152+/-0.057 χ^2/NDF : 1840420.2/16

+ sign 313.094+/-0.053 χ^2/NDF : 7178401.1/33

All: 309.627+/-0.037 χ^2/NDF : 13582577.0/69

- sign 306.345+/-0.051 χ^2/NDF : 6395760.5/35

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

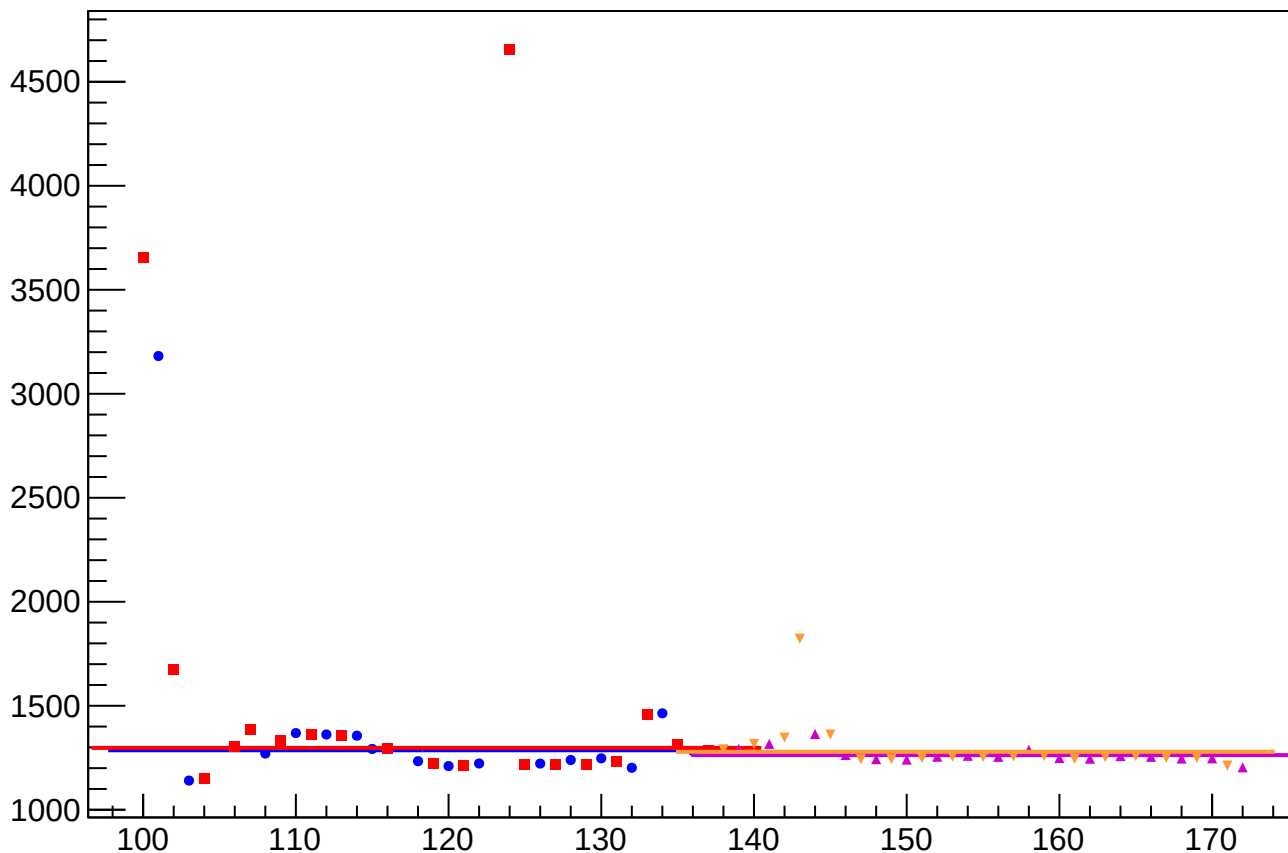
Left In: 387.138+/-337.229 χ^2/NDF : 23.3/16

+ sign -498.230+/-278.670 χ^2/NDF : 37.2/33

All: -56.296+/-196.502 χ^2/NDF : 81.1/69

- sign 380.754+/-277.126 χ^2/NDF : 39.0/35

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF:170006.9/17

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

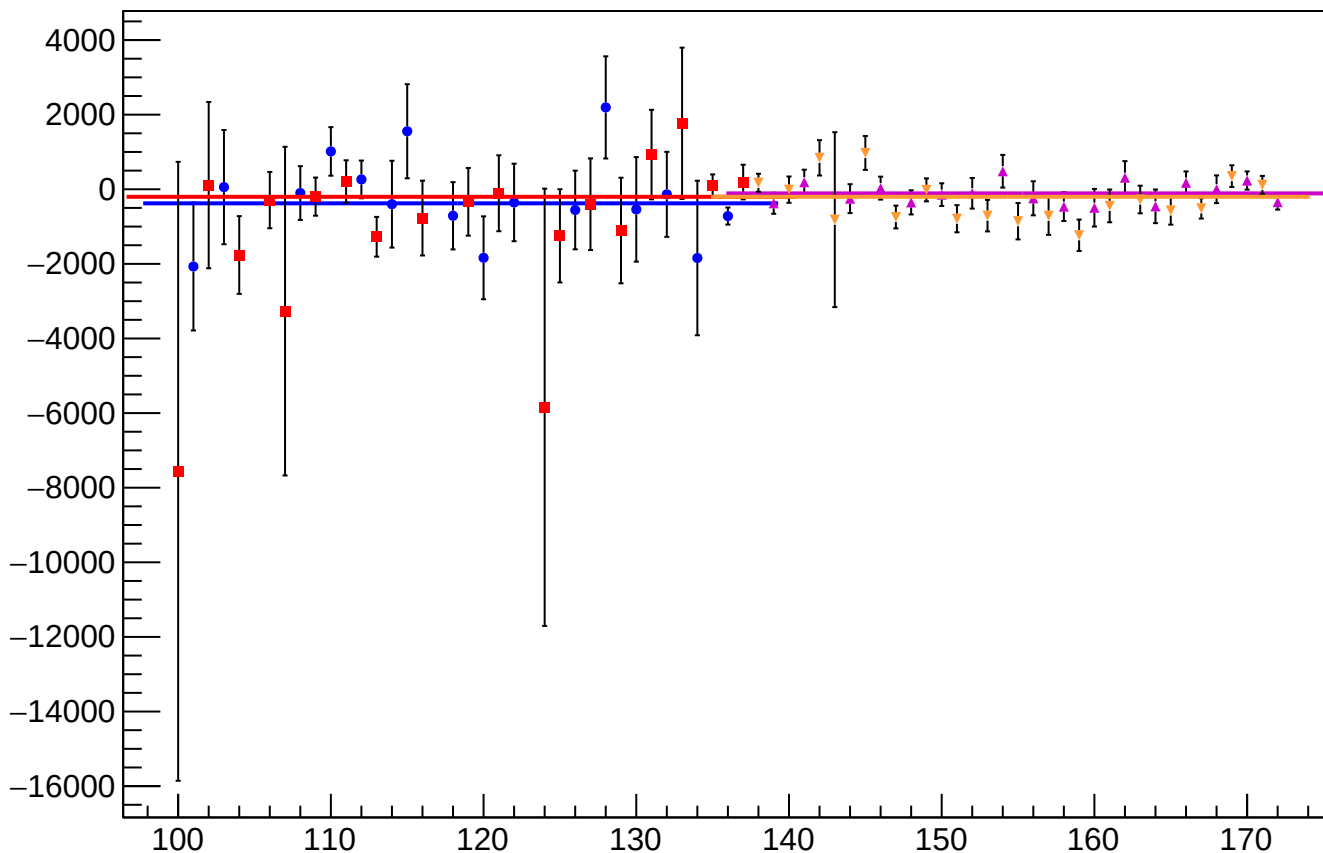
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF:20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688442.5/33

All: 1277.599 $\pm$ 0.139 χ^2 /NDF: 1044276.9/69

- sign 1274.097 $\pm$ 0.196 χ^2 /NDF: 355192.0/35

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.771 $\pm$ 168.223 χ^2 /NDF: 17.9/15

Left Out: -201.059 $\pm$ 83.195 χ^2 /NDF:38.6/17

Right Out: -202.144 $\pm$ 169.377 χ^2 /NDF: 14.0/18

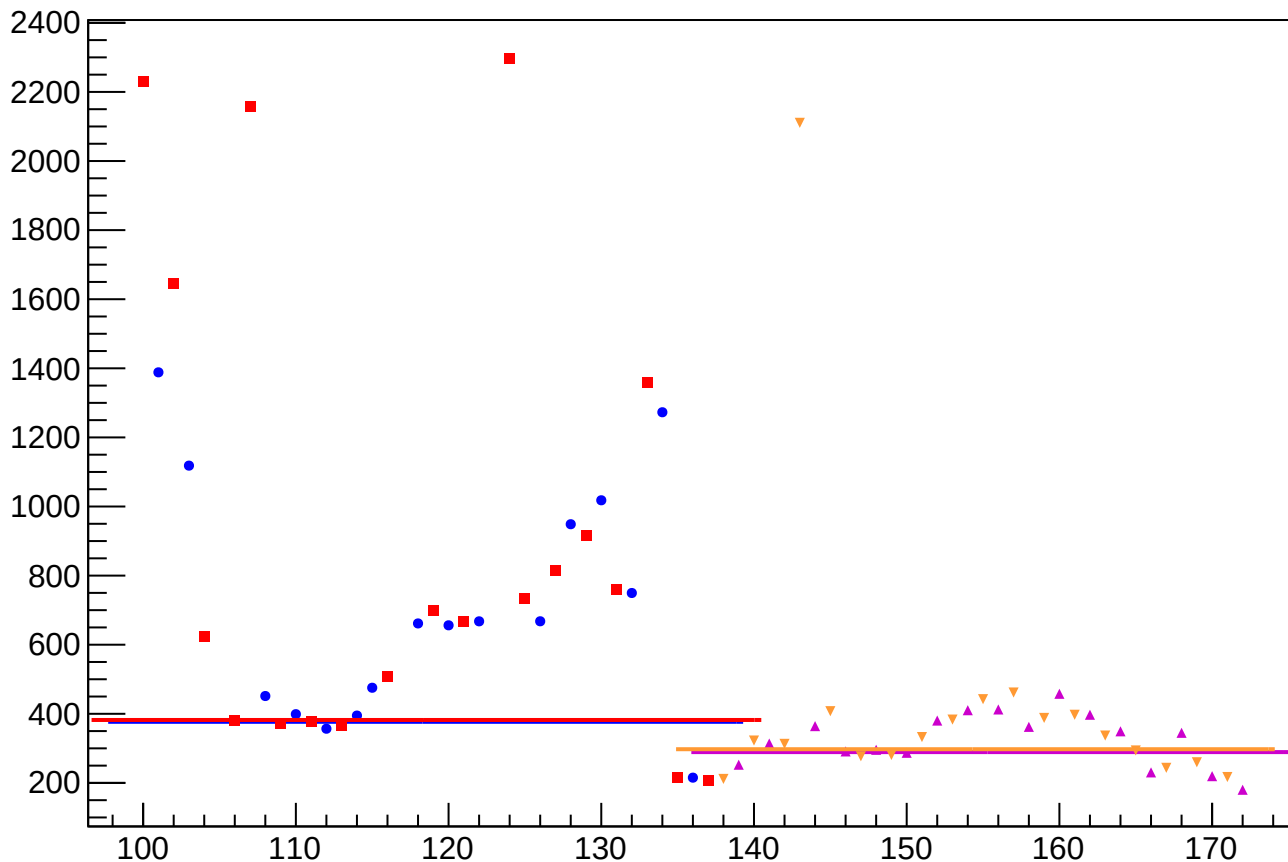
Left In: -110.366 $\pm$ 80.271 χ^2 /NDF:11.7/16

+ sign -235.589 $\pm$ 74.573 χ^2 /NDF: 57.5/33

All: -179.894 $\pm$ 51.997 χ^2 /NDF: 84.6/69

- sign -127.198 $\pm$ 72.538 χ^2 /NDF: 26.0/35

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

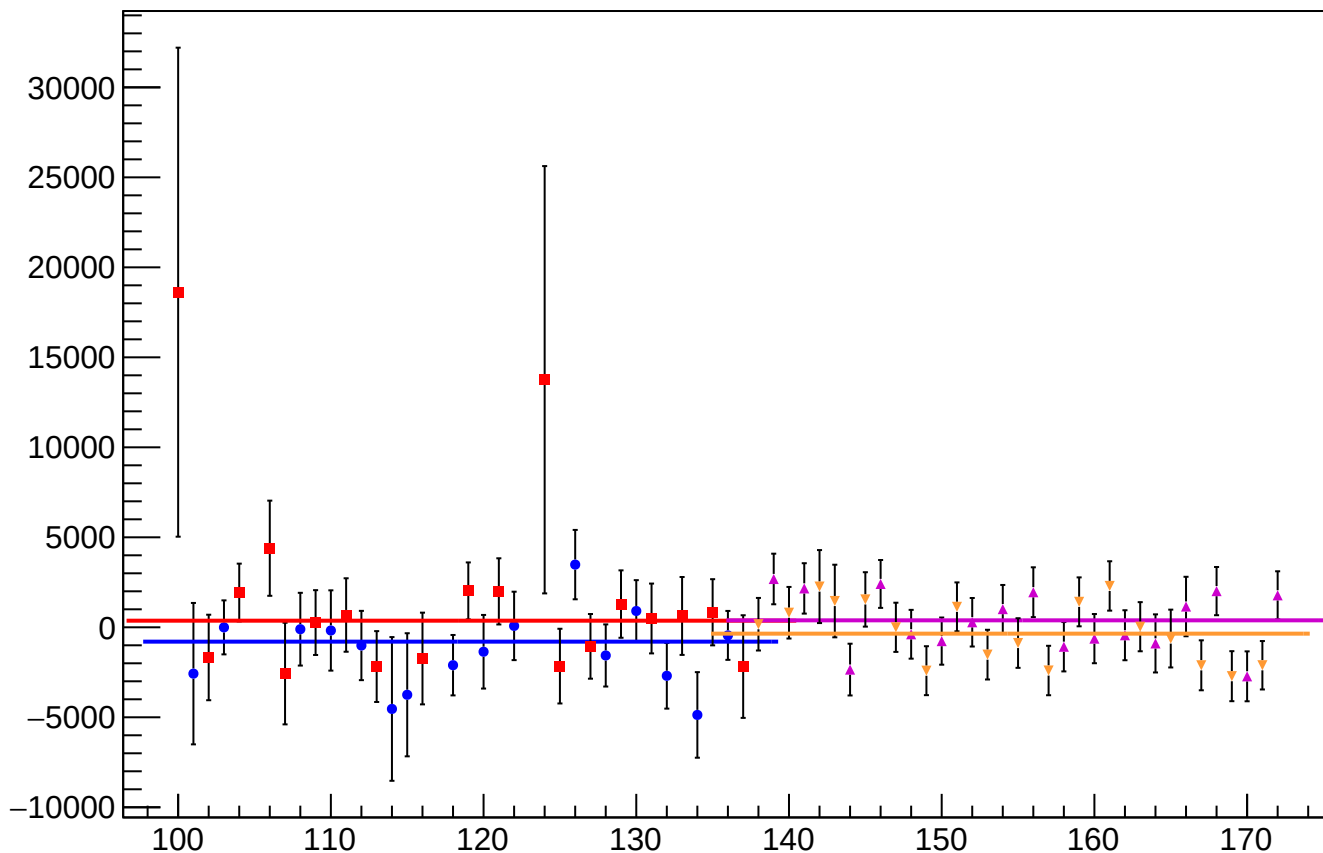
Left In: 289.154+/-0.057 χ^2/NDF : 1840467.2/16

+ sign 313.097+/-0.053 χ^2/NDF : 7181151.4/33

All: 309.557+/-0.037 χ^2/NDF : 13582169.9/69

- sign 306.207+/-0.051 χ^2/NDF : 6392247.2/35

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

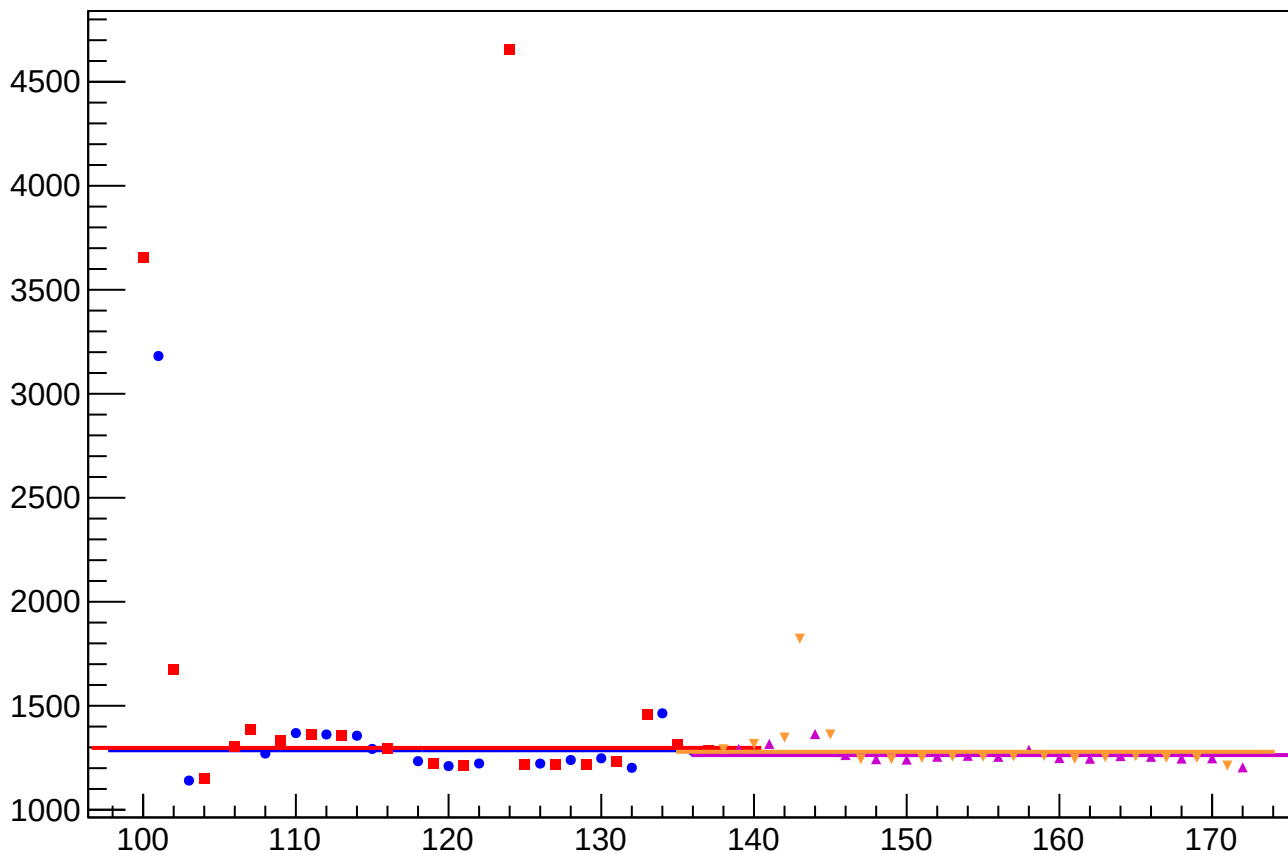
Left In: 387.138+/-337.229 χ^2 /NDF: 23.3/16

+ sign -498.230+/-278.670 χ^2 /NDF: 37.2/33

All: -56.296+/-196.502 χ^2 /NDF: 81.1/69

- sign 380.754+/-277.126 χ^2 /NDF: 39.0/35

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF: 170006.9/17

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

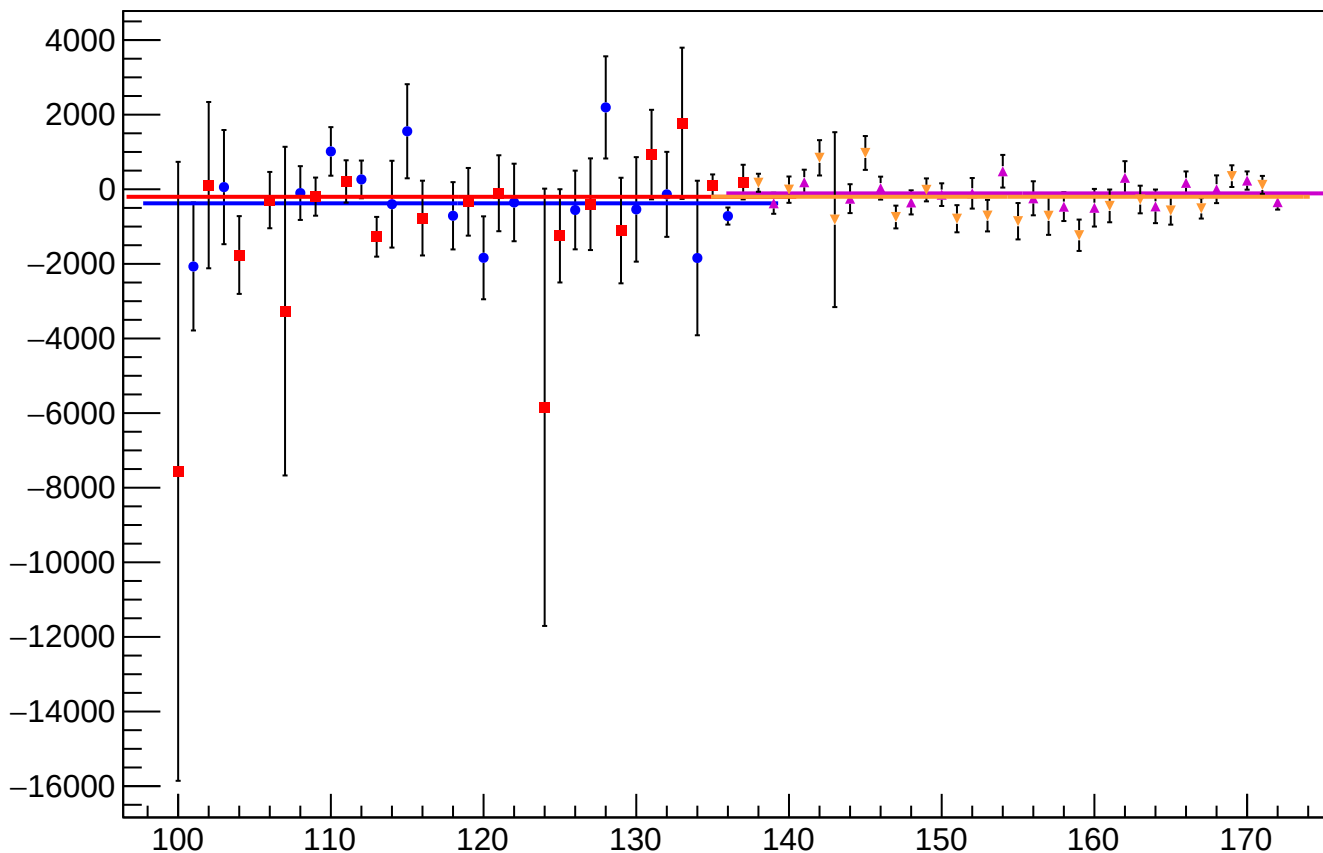
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF: 20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688442.5/33

All: 1277.599 $\pm$ 0.139 χ^2 /NDF: 1044276.9/69

- sign 1274.097 $\pm$ 0.196 χ^2 /NDF: 355192.0/35

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



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

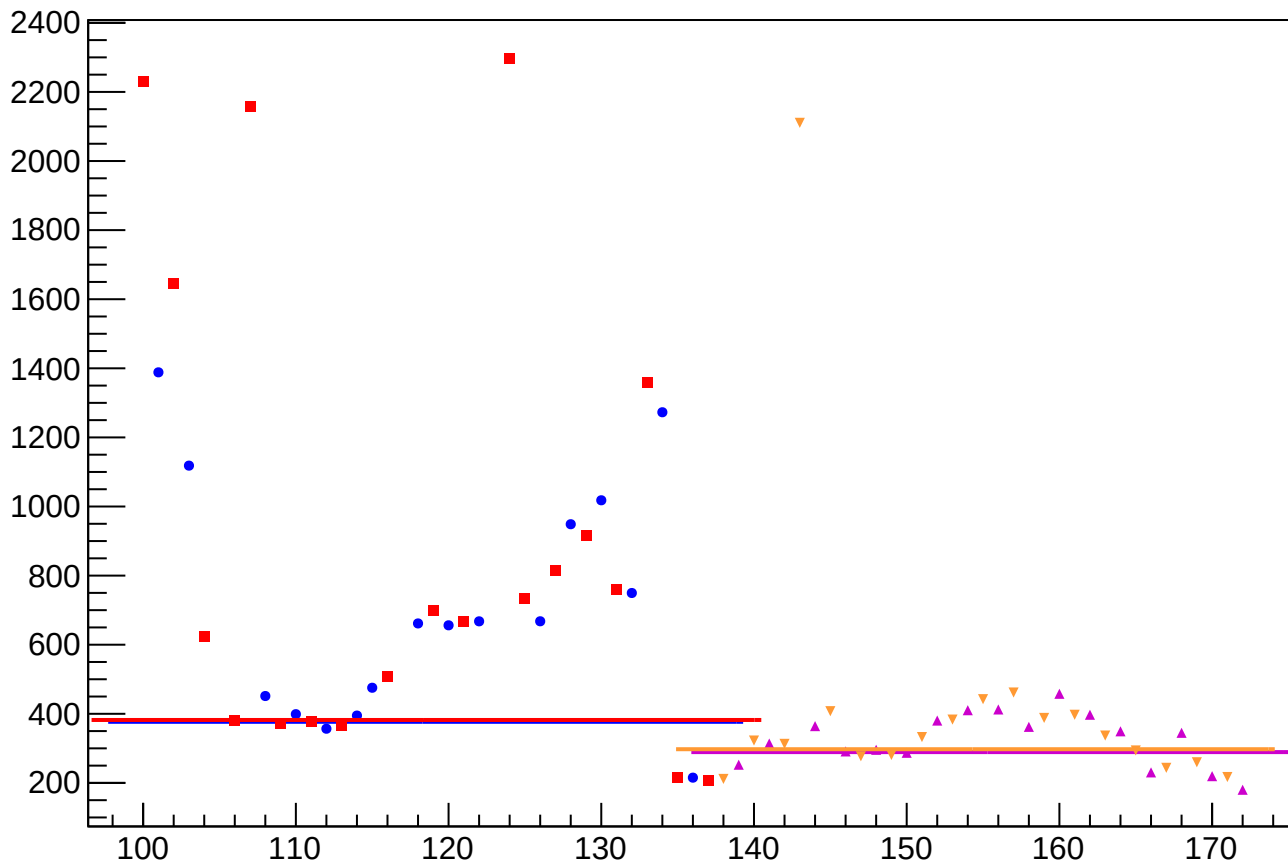
Left In: -110.366+/-80.271 χ^2/NDF : 11.7/16

+ sign -235.589+/-74.573 χ^2/NDF : 57.5/33

All: -179.894+/-51.997 χ^2/NDF : 84.6/69

- sign -127.198+/-72.538 χ^2/NDF : 26.0/35

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 376.884 $\pm$ 0.119 χ^2 /NDF: 4193328.0/15

Left Out: 297.496 $\pm$ 0.059 χ^2 /NDF: 2629938.3/17

Right Out: 382.136 $\pm$ 0.120 χ^2 /NDF: 4059600.2/18

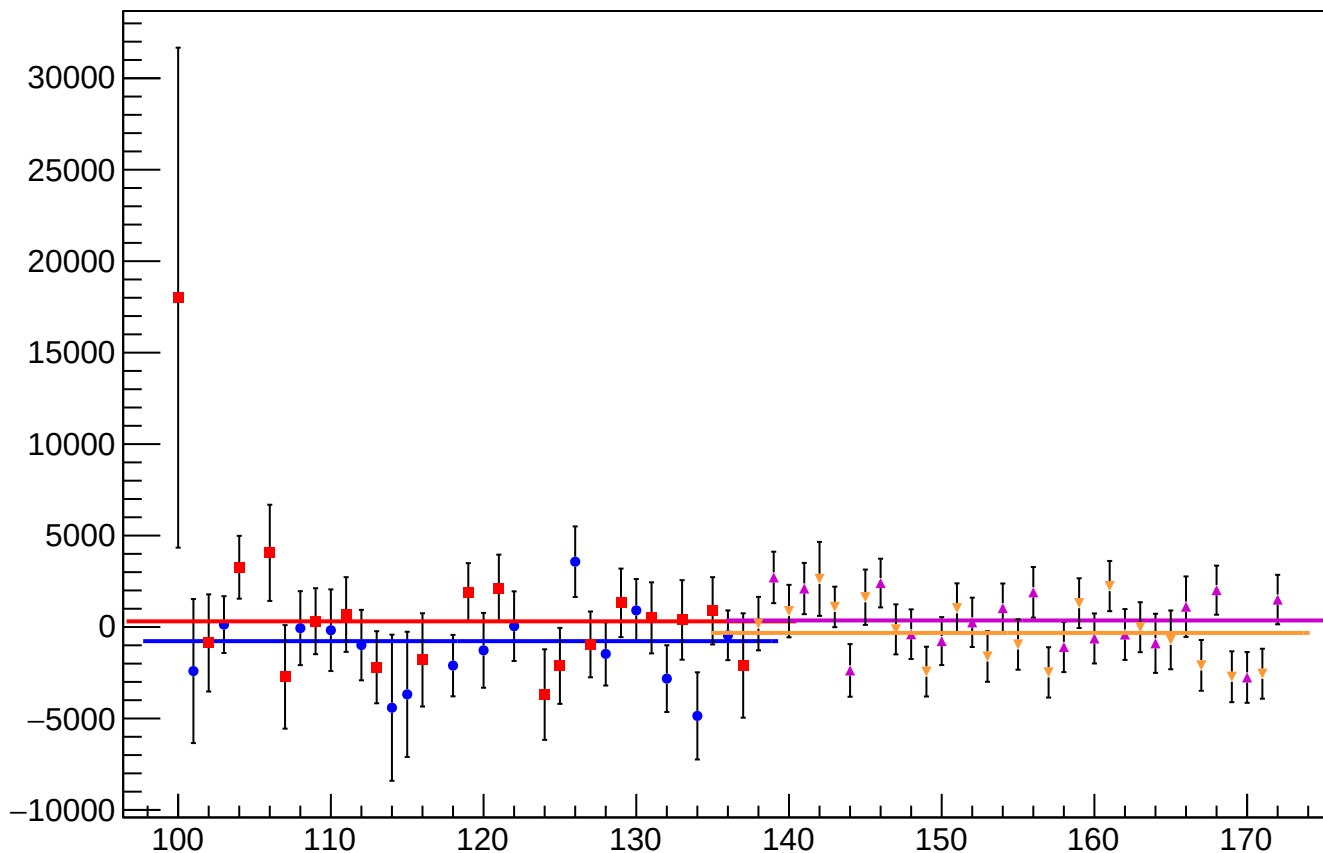
Left In: 289.154 $\pm$ 0.057 χ^2 /NDF: 1840467.2/16

+ sign 313.097 $\pm$ 0.053 χ^2 /NDF: 7181151.4/33

All: 309.557 $\pm$ 0.037 χ^2 /NDF: 13582169.9/69

- sign 306.207 $\pm$ 0.051 χ^2 /NDF: 6392247.2/35

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

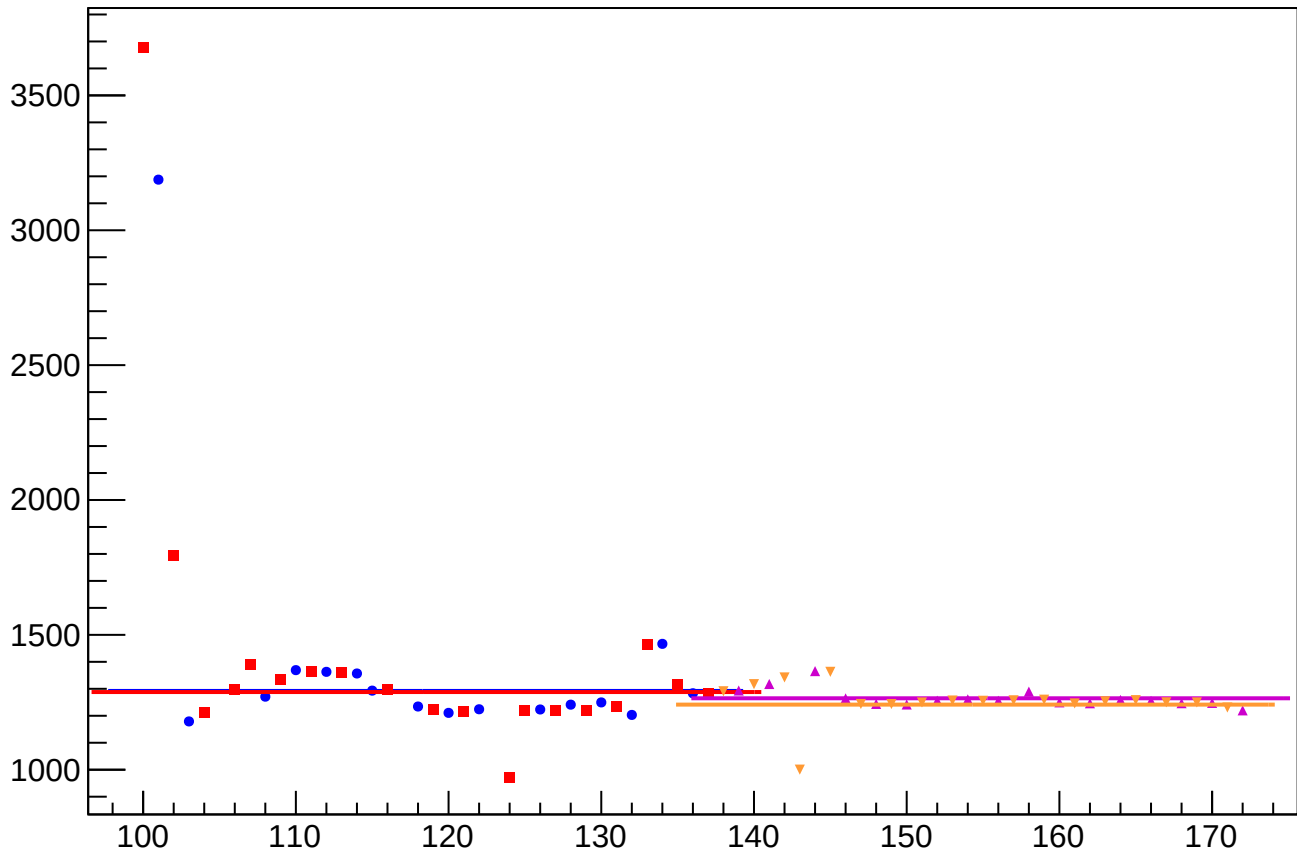
Left In: 359.266+/-337.733 χ^2/NDF : 22.9/16

+ sign -462.141+/-273.332 χ^2/NDF : 39.7/33

All: -64.254+/-194.459 χ^2/NDF : 84.8/69

- sign 343.538+/-276.713 χ^2/NDF : 40.8/35

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.3/15

Left Out: 1241.374 $\pm$ 0.233 χ^2 /NDF: 122422.3/17

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

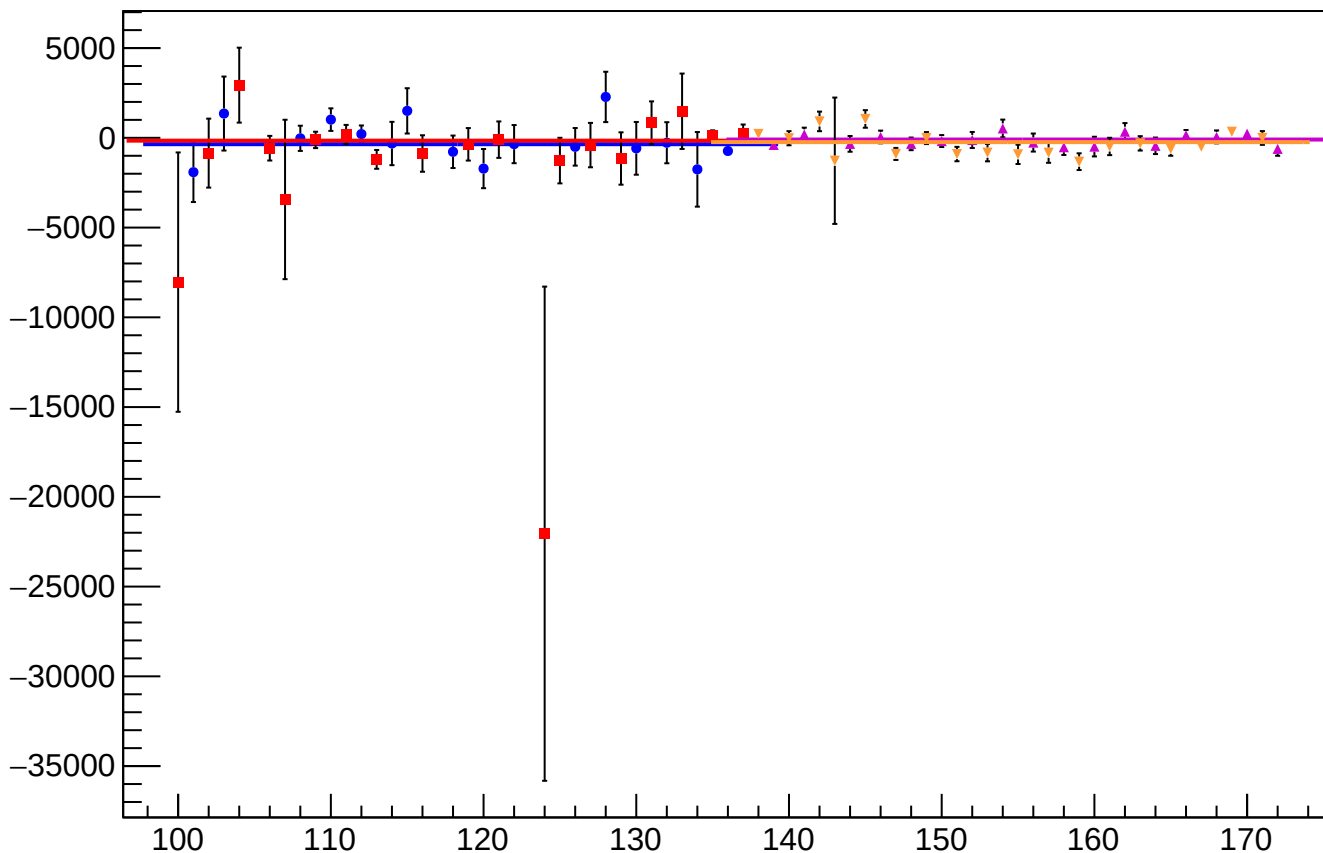
Left In: 1264.819 $\pm$ 0.239 χ^2 /NDF: 18986.3/16

+ sign 1257.164 $\pm$ 0.193 χ^2 /NDF: 646570.0/33

All: 1264.706 $\pm$ 0.138 χ^2 /NDF: 880942.0/69

- sign 1272.435 $\pm$ 0.196 χ^2 /NDF: 231289.1/35

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -355.226 ± 169.971 χ^2/NDF : 18.4/15

Left Out: -238.673 ± 90.533 χ^2/NDF : 38.9/17

Right Out: -157.924 ± 169.665 χ^2/NDF : 15.8/18

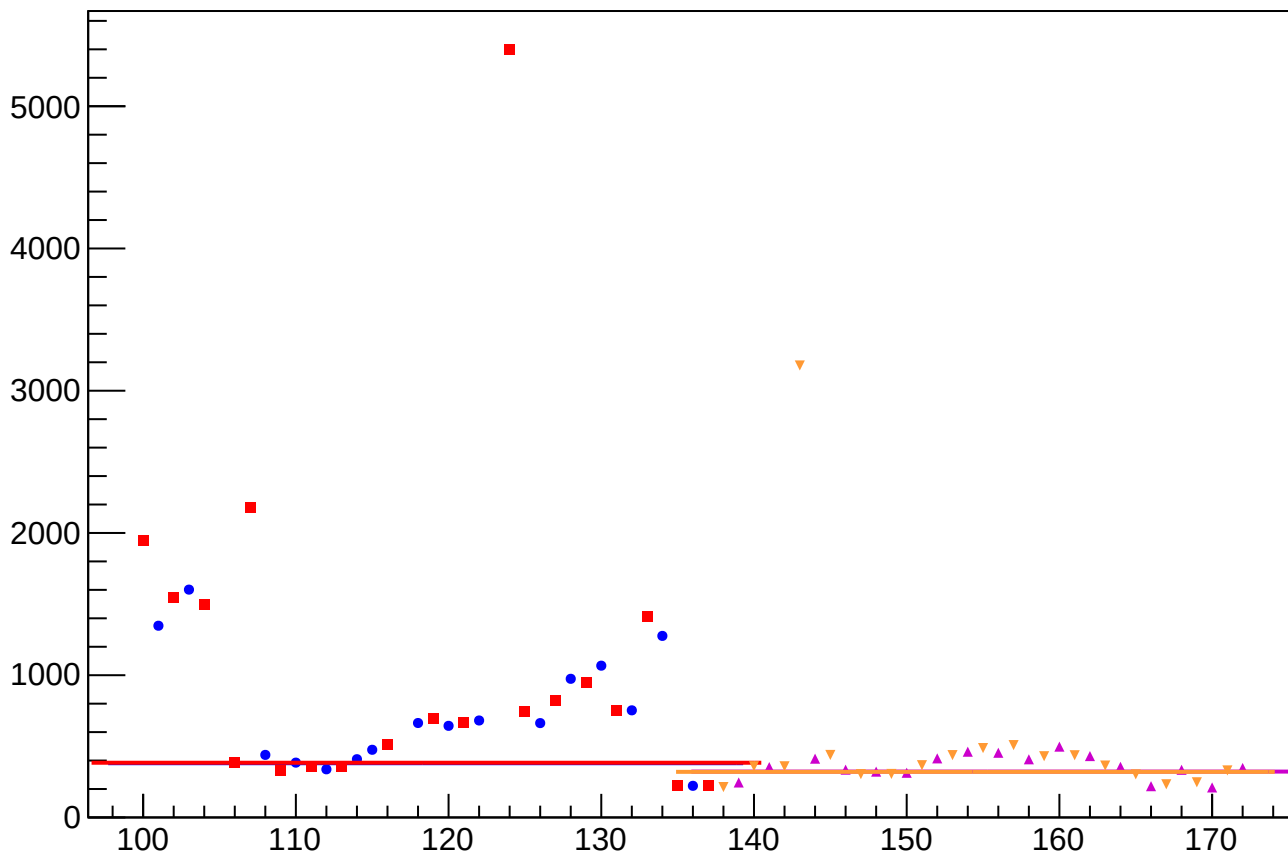
Left In: -95.298 ± 89.343 χ^2/NDF : 11.8/16

+ sign -264.432 ± 79.905 χ^2/NDF : 57.7/33

All: -185.828 ± 56.198 χ^2/NDF : 87.4/69

- sign -108.894 ± 79.053 χ^2/NDF : 27.8/35

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 381.349 ± 0.120 χ^2/NDF : 4317922.6/15

Left Out: 320.636 ± 0.064 χ^2/NDF : 3044519.5/17

Right Out: 384.651 ± 0.120 χ^2/NDF : 4560208.6/18

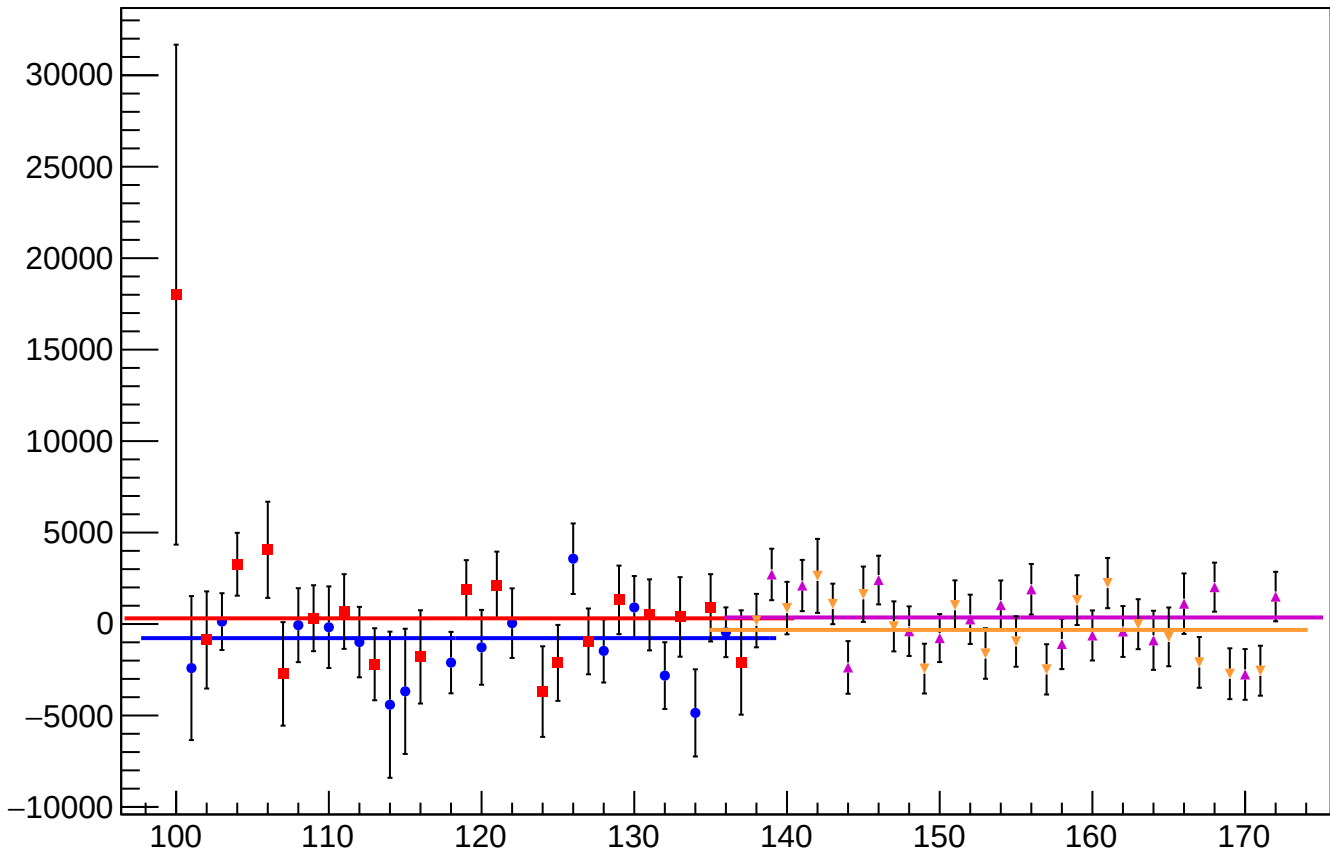
Left In: 322.489 ± 0.063 χ^2/NDF : 1748900.6/16

+ sign 334.054 ± 0.057 χ^2/NDF : 7561222.8/33

All: 335.030 ± 0.040 χ^2/NDF : 14081106.3/69

- sign 335.984 ± 0.056 χ^2/NDF : 6519294.1/35

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.501 $\pm$ 489.602 χ^2 /NDF: 13.6/15

Left Out: -322.067 $\pm$ 329.452 χ^2 /NDF: 25.5/17

Right Out: 311.419 $\pm$ 482.642 χ^2 /NDF: 17.9/18

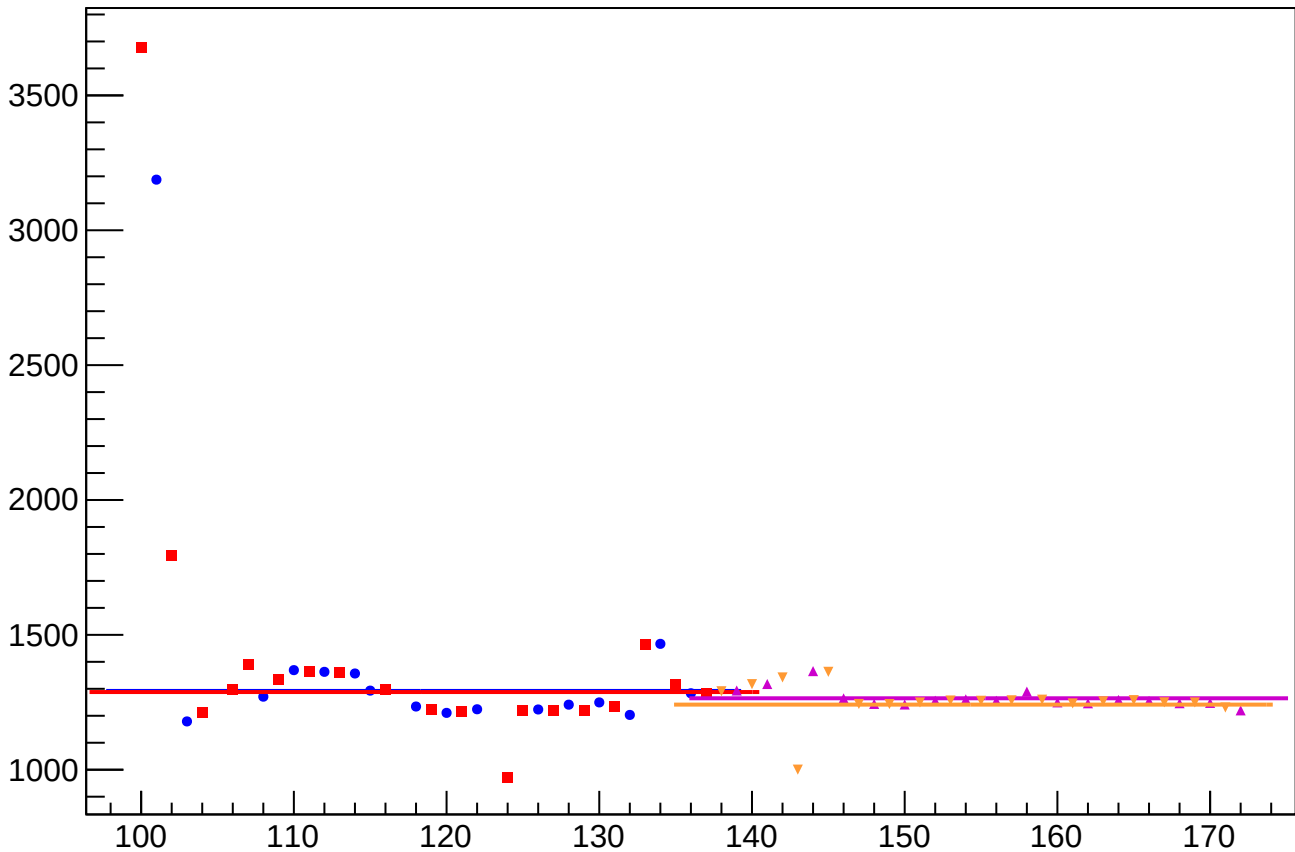
Left In: 359.267 $\pm$ 337.733 χ^2 /NDF: 22.9/16

+ sign -462.142 $\pm$ 273.332 χ^2 /NDF: 39.7/33

All: -64.253 $\pm$ 194.459 χ^2 /NDF: 84.8/69

- sign 343.539 $\pm$ 276.713 χ^2 /NDF: 40.8/35

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.2/15

Left Out: 1241.374 $\pm$ 0.233 χ^2 /NDF: 122421.5/17

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

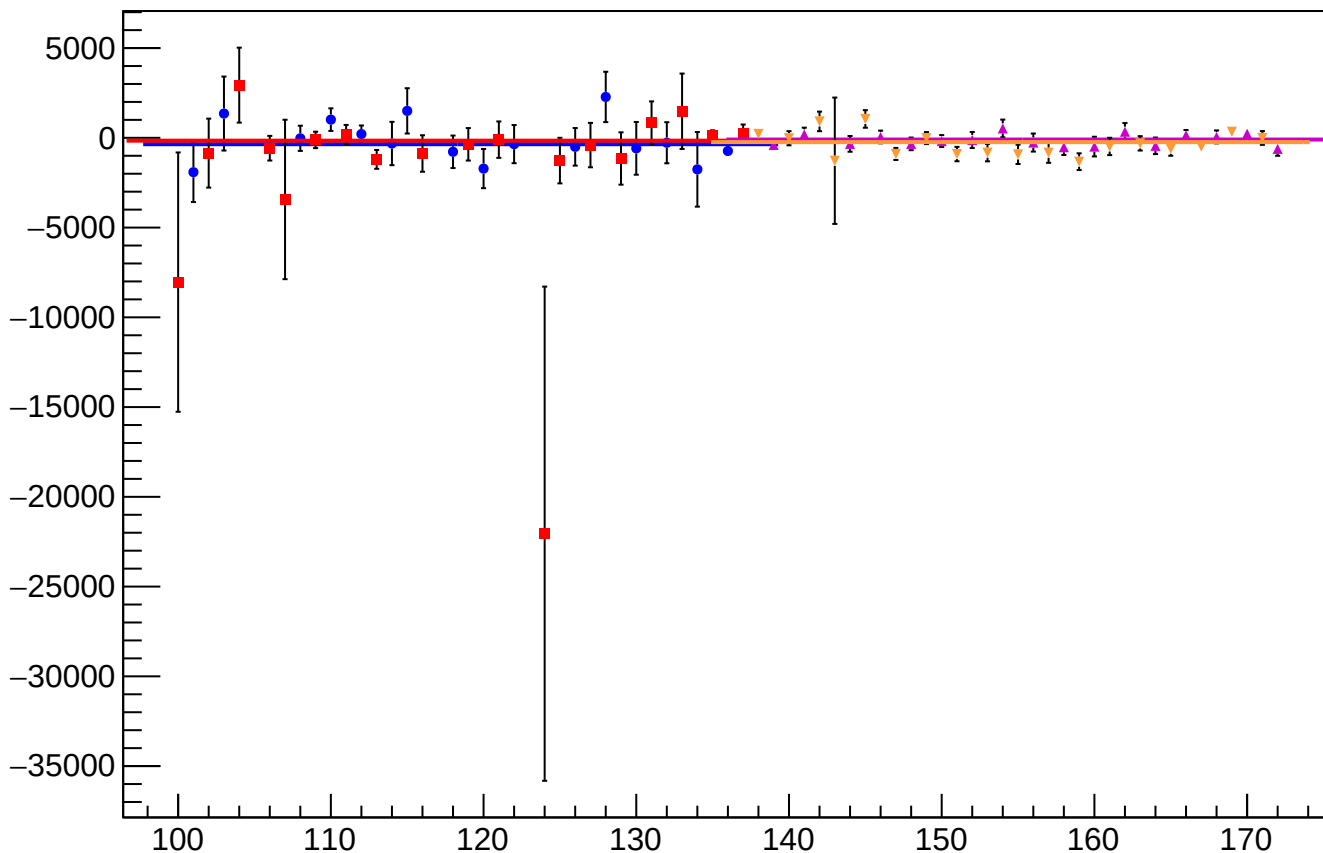
Left In: 1264.819 $\pm$ 0.239 χ^2 /NDF: 18986.4/16

+ sign 1257.164 $\pm$ 0.193 χ^2 /NDF: 646569.2/33

All: 1264.706 $\pm$ 0.138 χ^2 /NDF: 880941.6/69

- sign 1272.435 $\pm$ 0.196 χ^2 /NDF: 231289.5/35

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



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

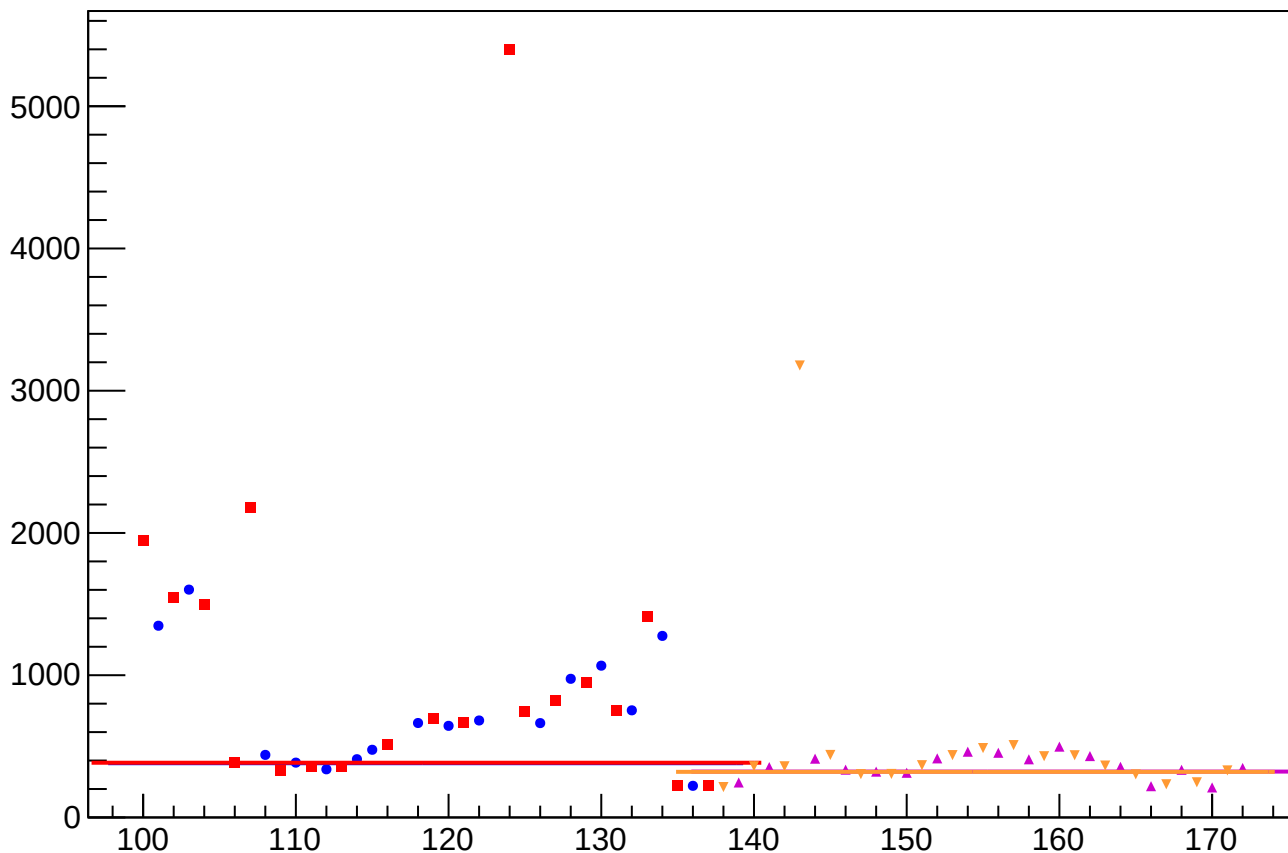
Left In: -95.296 ± 89.344 χ^2/NDF : 11.8/16

+ sign -264.438 ± 79.906 χ^2/NDF : 57.7/33

All: -185.831 ± 56.198 χ^2/NDF : 87.4/69

- sign -108.893 ± 79.053 χ^2/NDF : 27.8/35

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



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

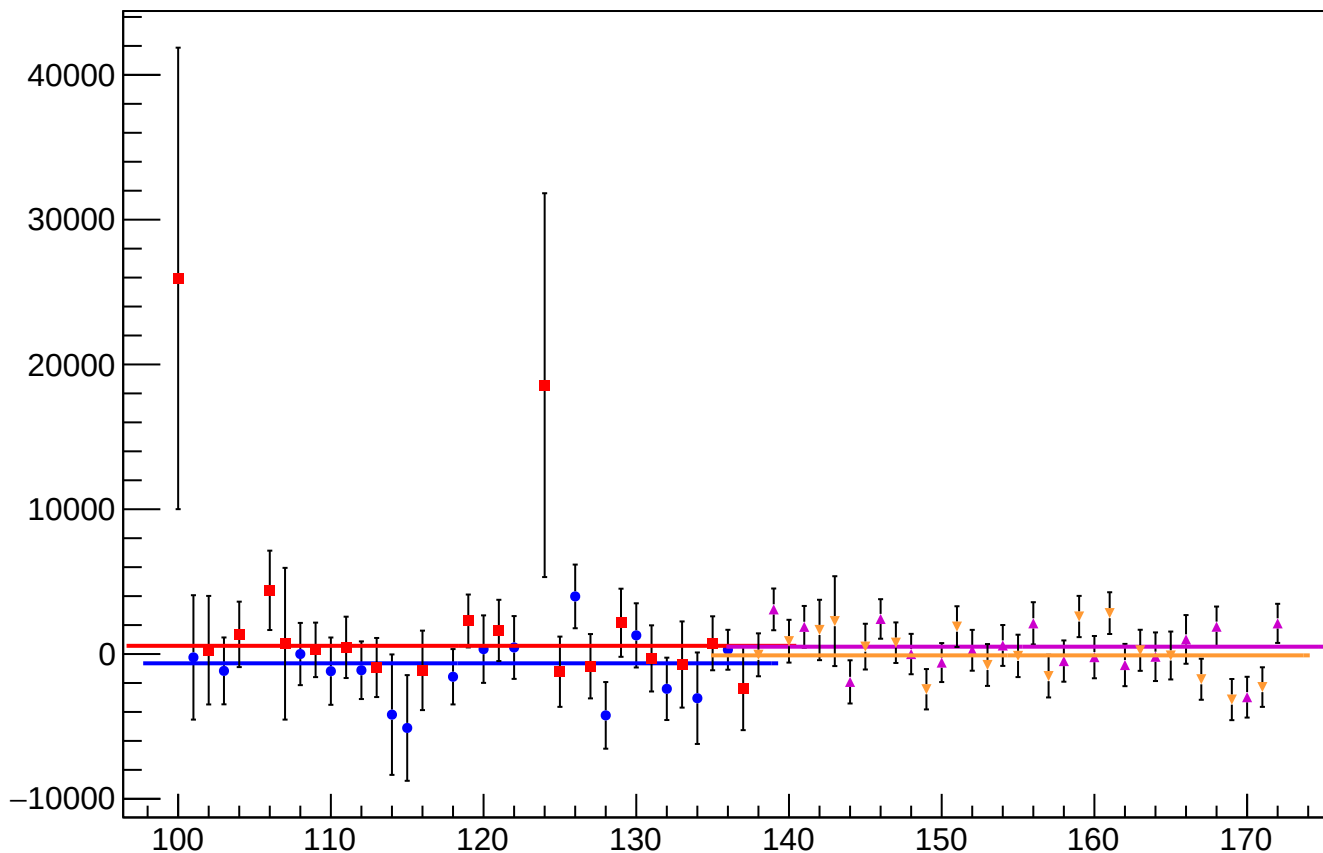
Left In: 322.490+/-0.063 χ^2/NDF : 1748838.0/16

+ sign 334.059+/-0.057 χ^2/NDF : 7560954.4/33

All: 335.033+/-0.040 χ^2/NDF : 14080672.6/69

- sign 335.987+/-0.056 χ^2/NDF : 6519129.8/35

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

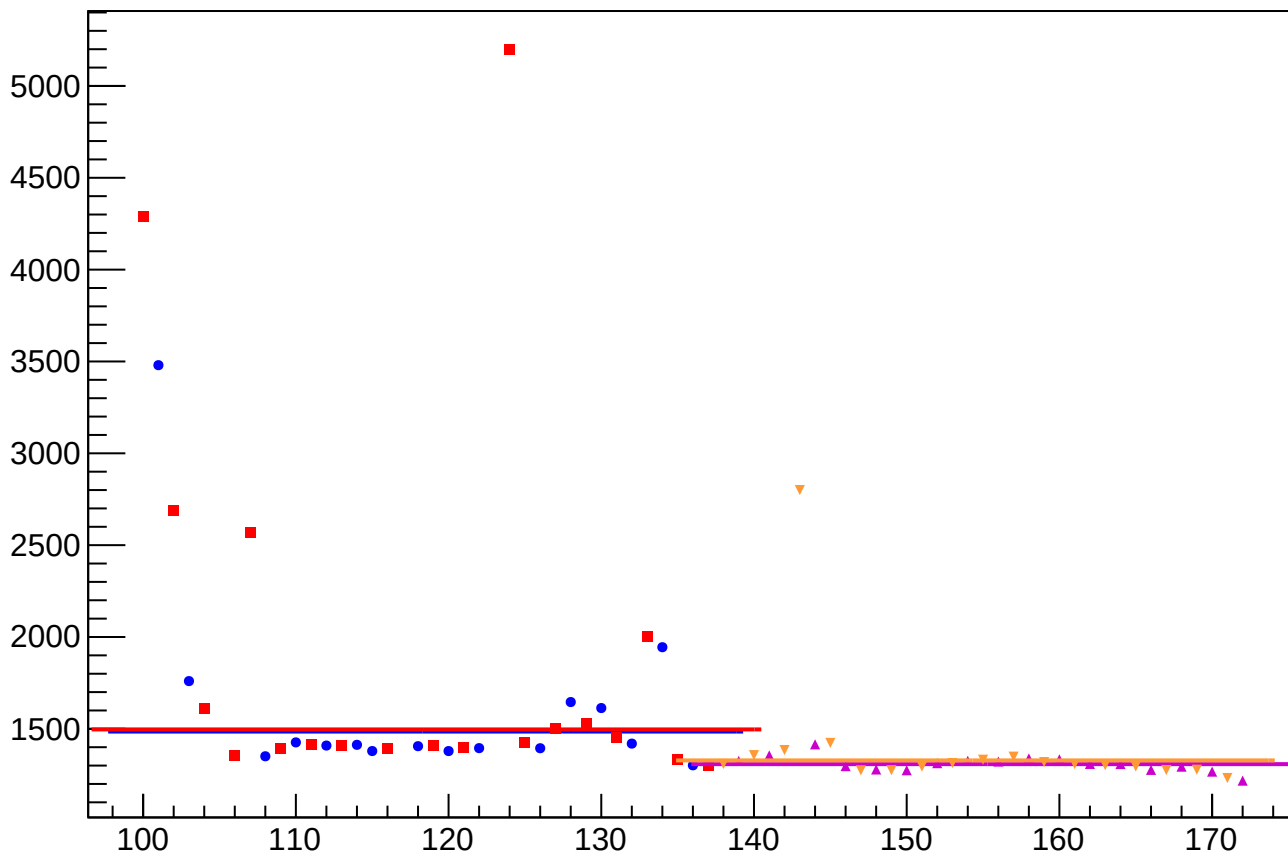
Left In: 506.572 ± 349.291 χ^2/NDF : 21.1/16

+ sign -247.606 ± 300.354 χ^2/NDF : 37.6/33

All: 141.698 ± 211.315 χ^2/NDF : 73.3/69

- sign 523.275 ± 297.358 χ^2/NDF : 32.4/35

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1485.370 ± 0.399 $\chi^2/\text{NDF}: 584470.1/15$

Left Out: 1328.132 ± 0.251 $\chi^2/\text{NDF}: 484424.1/17$

Right Out: 1496.865 ± 0.401 $\chi^2/\text{NDF}: 623292.7/18$

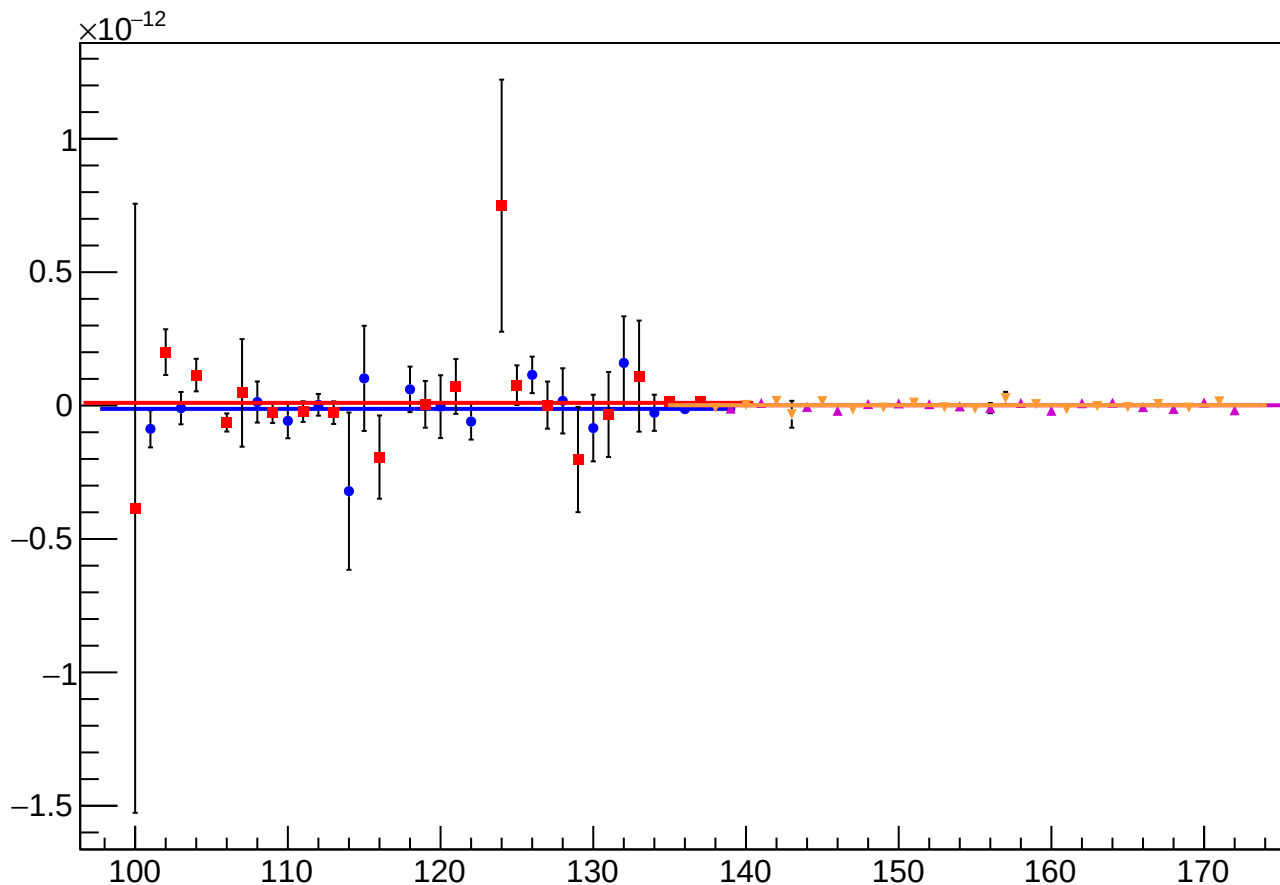
Left In: 1307.845 ± 0.247 $\chi^2/\text{NDF}: 28689.9/16$

+ sign 1372.667 ± 0.212 $\chi^2/\text{NDF}: 1180170.8/33$

All: 1366.207 ± 0.149 $\chi^2/\text{NDF}: 1995204.5/69$

- sign 1359.874 ± 0.210 $\chi^2/\text{NDF}: 813201.4/35$

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/18

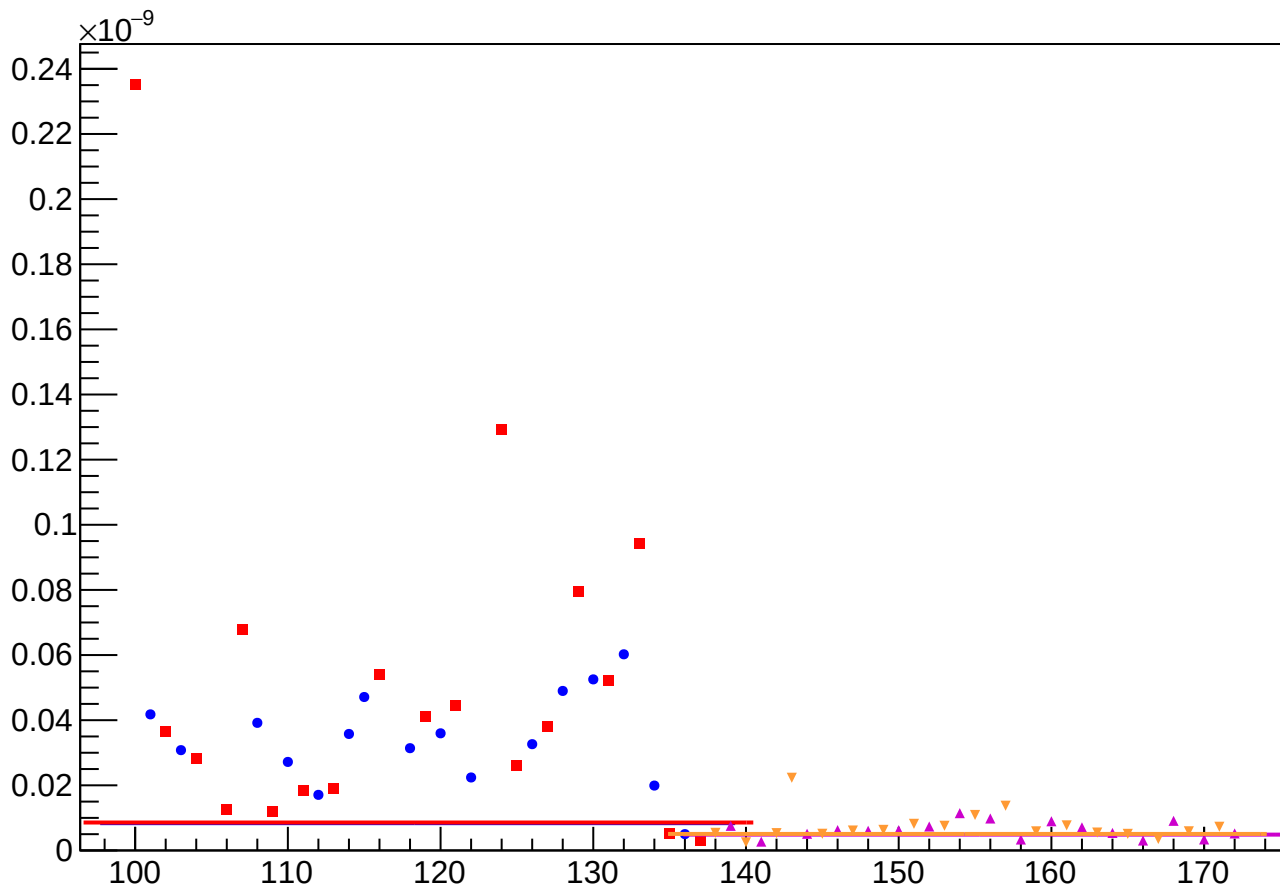
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 74.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/35

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3059657.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1835857.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3348571.5/18

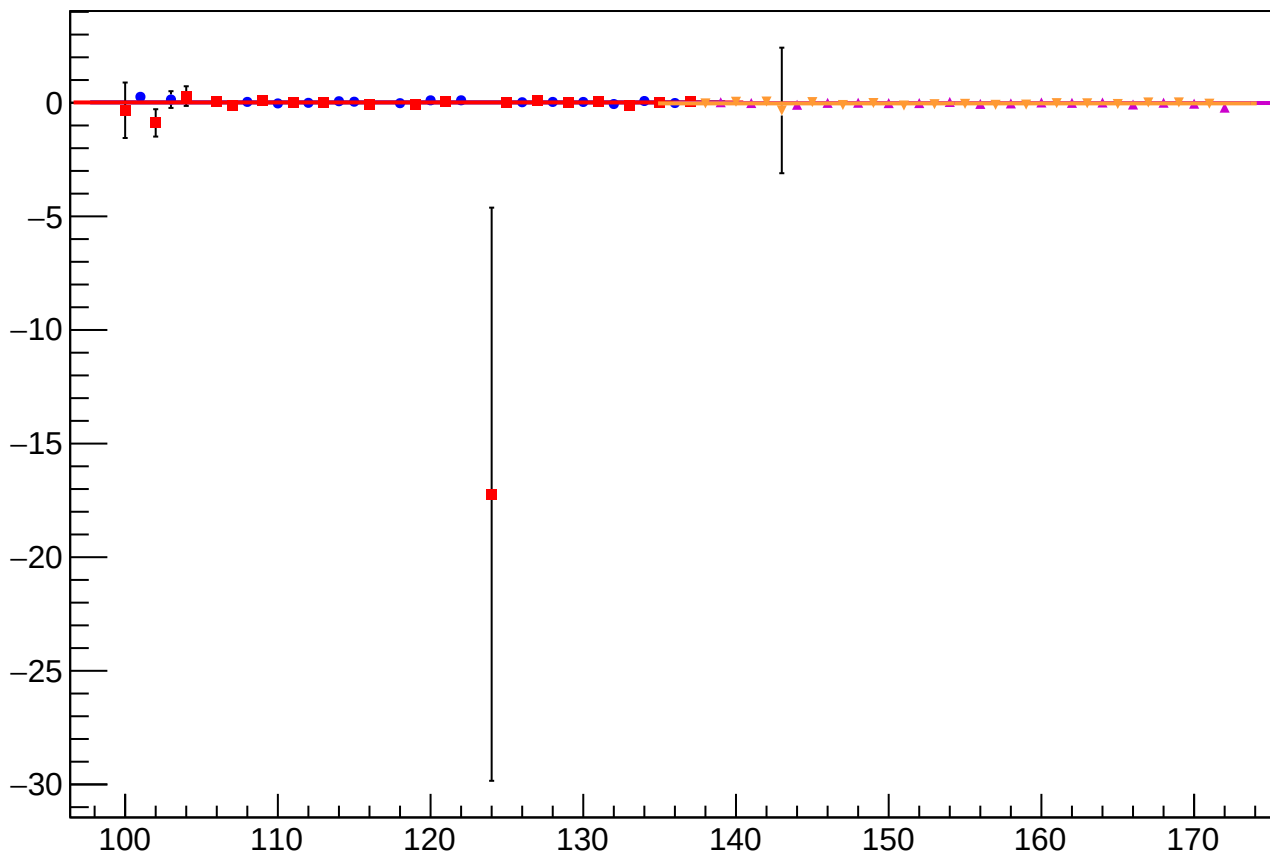
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1690417.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5257339.1/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10704039.2/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5436626.2/35

asym_atl_avg_atr_avg_dd_dit_vs_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

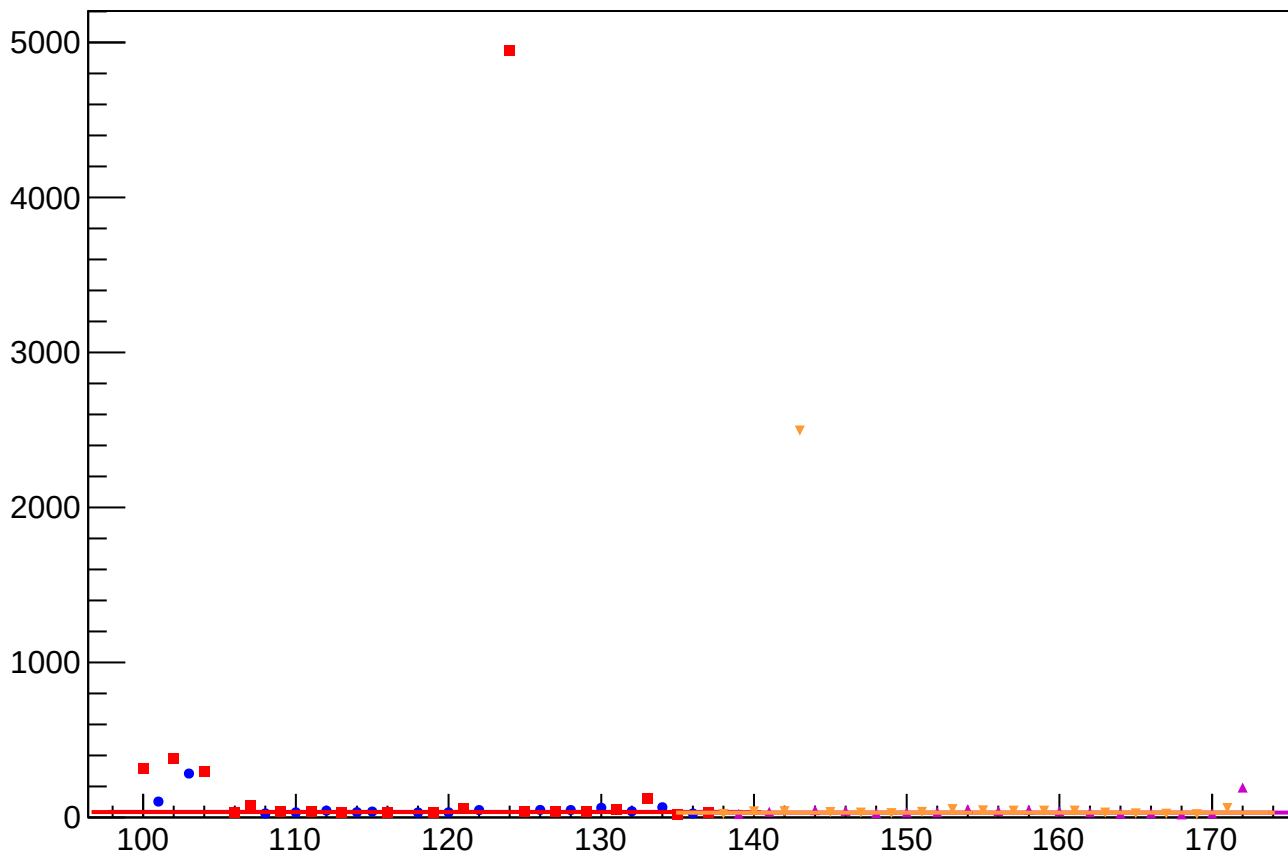
Left In: -0.011 ± 0.010 χ^2/NDF : 10.6/16

+ sign -0.015 ± 0.008 χ^2/NDF : 40.8/33

All: -0.010 ± 0.006 χ^2/NDF : 70.2/69

- sign -0.005 ± 0.008 χ^2/NDF : 28.6/35

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 31.047 $\pm$ 0.007 χ^2 /NDF:3388970.2/17

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

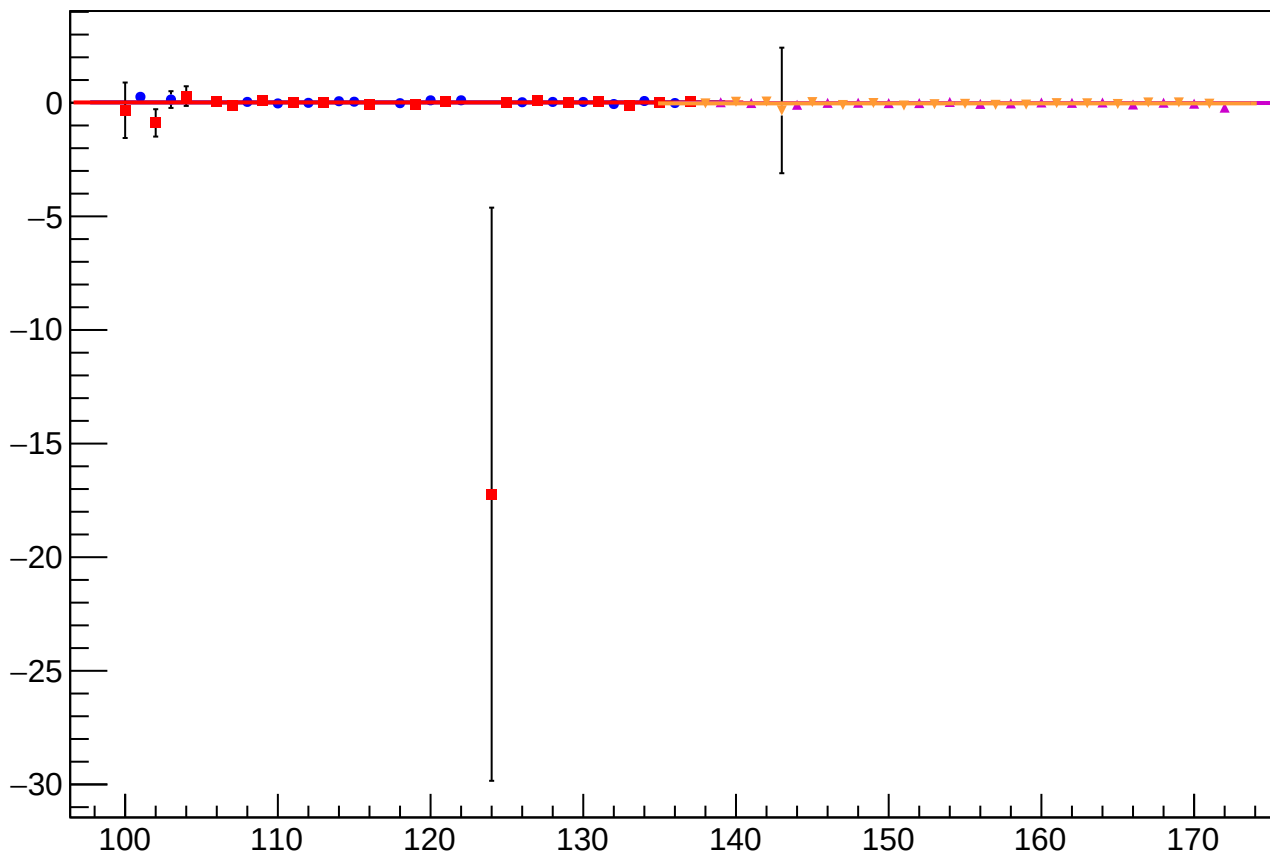
Left In: 31.477 $\pm$ 0.007 χ^2 /NDF:2795037.4/16

+ sign 32.346 $\pm$ 0.006 χ^2 /NDF: 5787420.7/33

All: 32.362 $\pm$ 0.004 χ^2 /NDF: 11562446.4/69

- sign 32.378 $\pm$ 0.006 χ^2 /NDF: 5775010.5/35

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.027 $\pm$ 0.010 χ^2 /NDF: 23.4/17

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

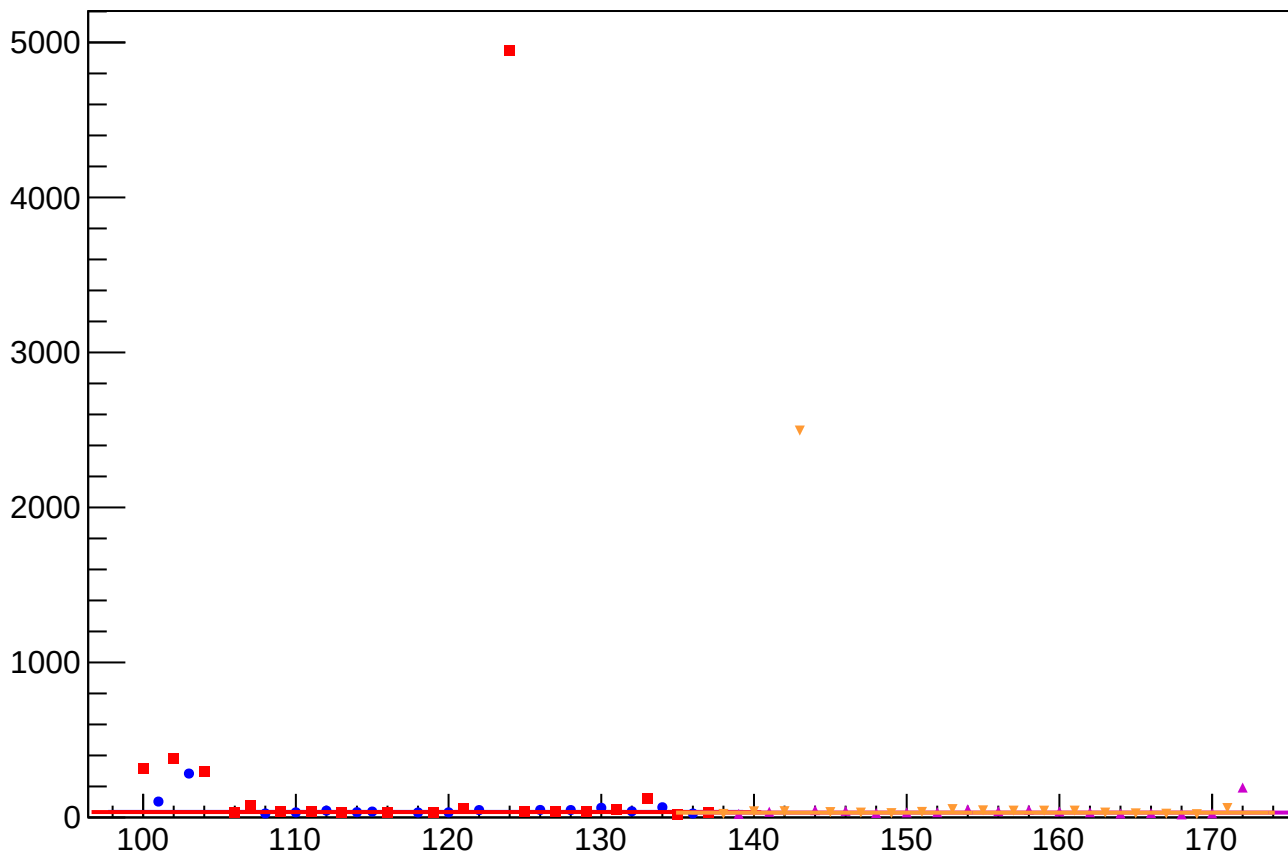
Left In: -0.011 $\pm$ 0.010 χ^2 /NDF: 10.6/16

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 40.8/33

All: -0.010 $\pm$ 0.006 χ^2 /NDF: 70.2/69

- sign -0.005 $\pm$ 0.008 χ^2 /NDF: 28.6/35

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 31.047 $\pm$ 0.007 χ^2 /NDF: 3388970.2/17

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

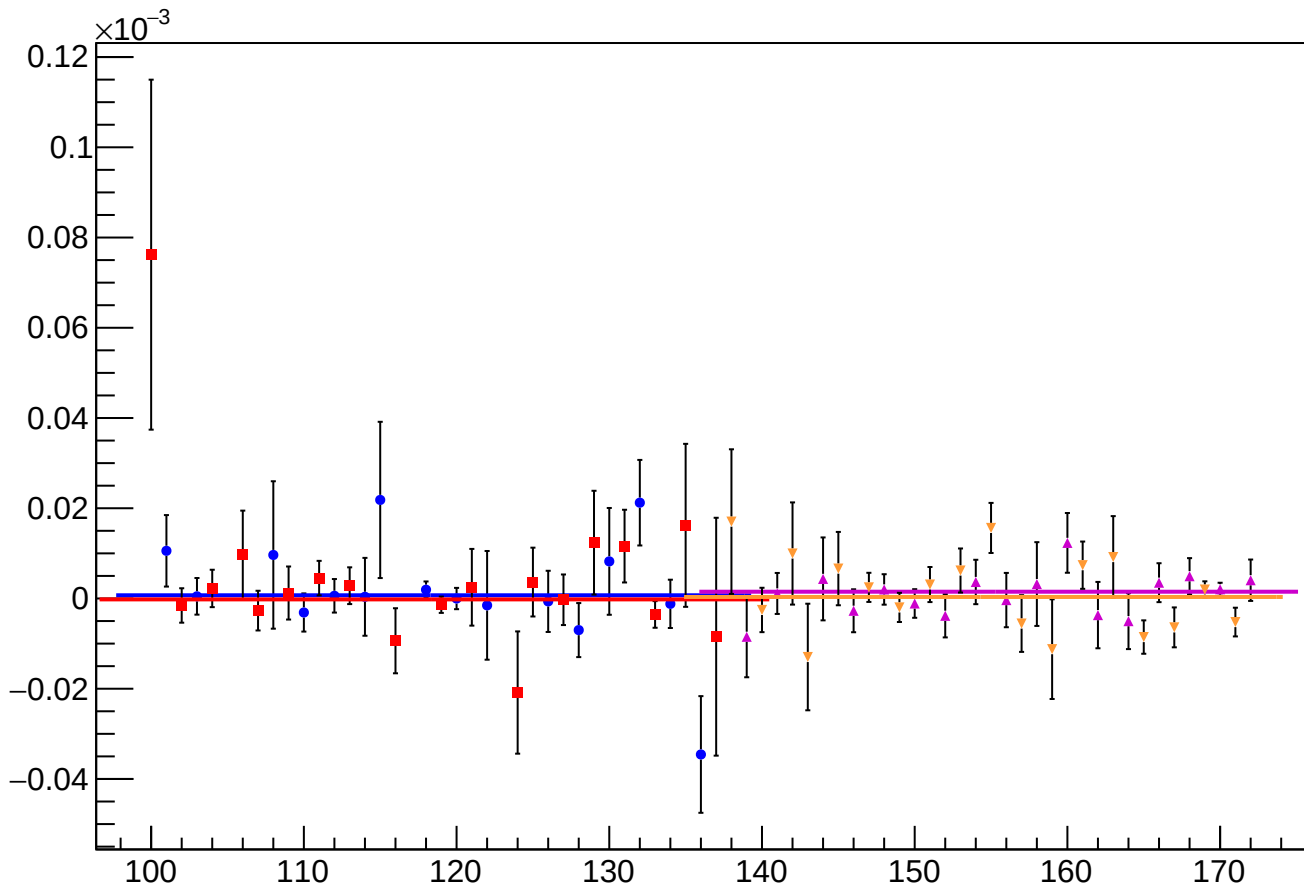
Left In: 31.477 $\pm$ 0.007 χ^2 /NDF: 2795037.4/16

+ sign 32.346 $\pm$ 0.006 χ^2 /NDF: 5787420.7/33

All: 32.362 $\pm$ 0.004 χ^2 /NDF: 11562446.4/69

- sign 32.378 $\pm$ 0.006 χ^2 /NDF: 5775010.5/35

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

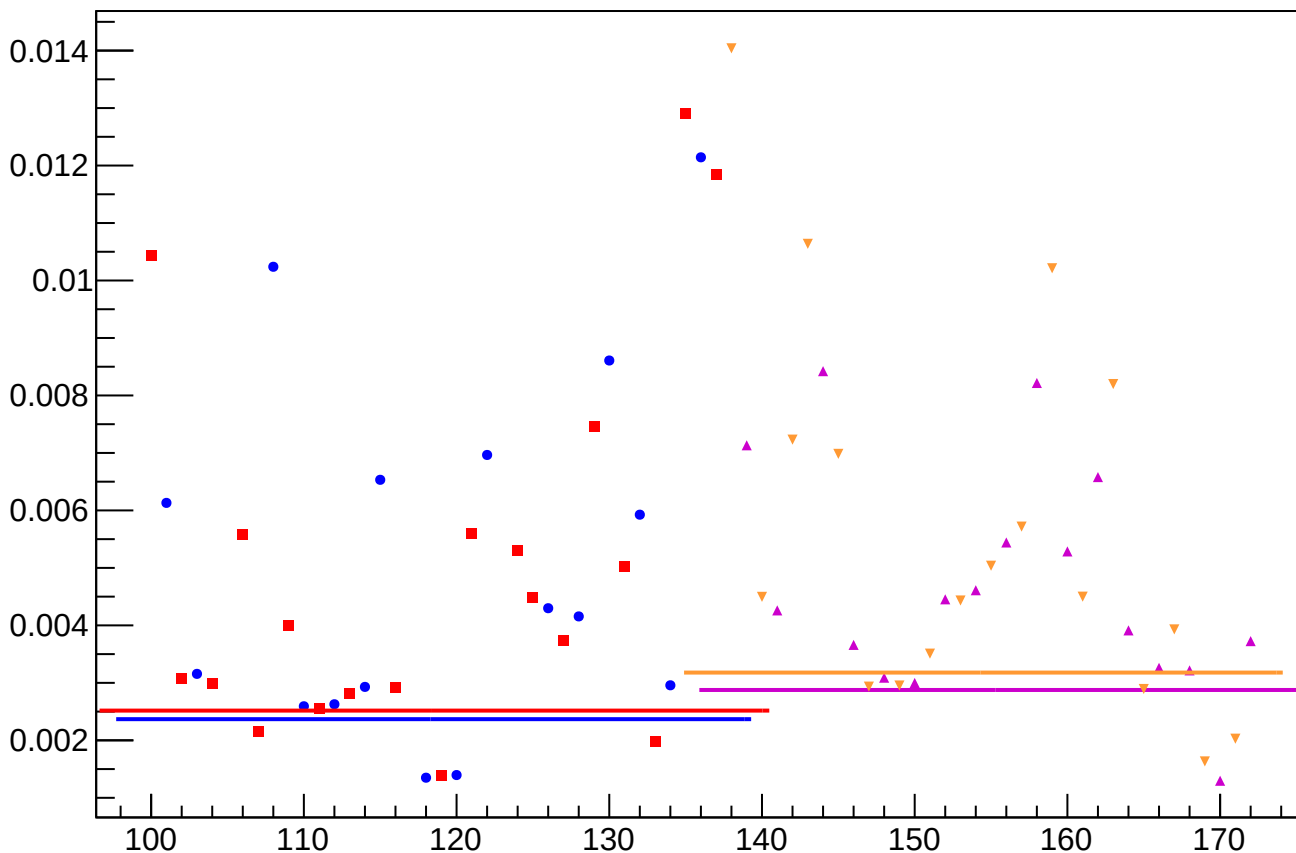
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/35

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF : 6587816.3/17

Right Out: 0.003+/-0.000 χ^2/NDF : 3397462.9/18

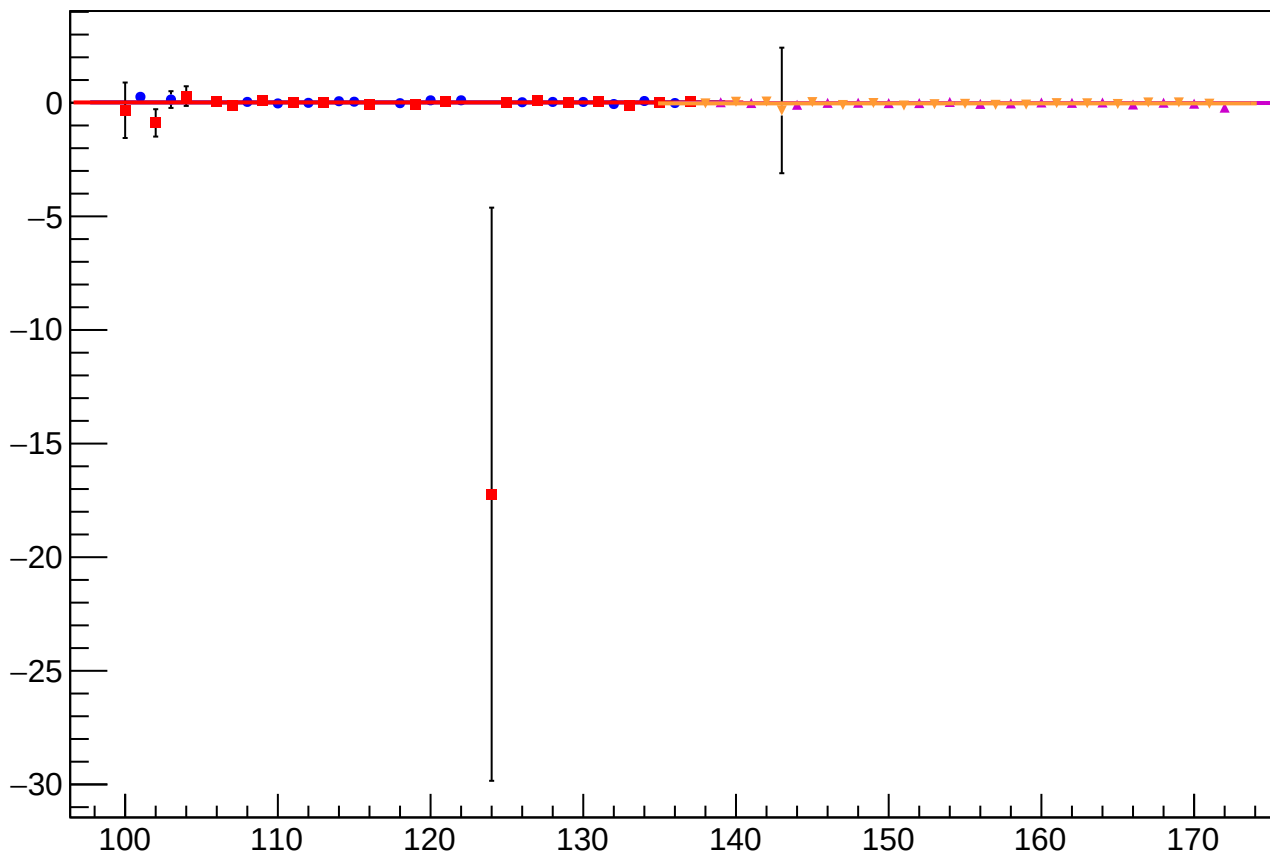
Left In: 0.003+/-0.000 χ^2/NDF : 6239601.8/16

+ sign 0.003+/-0.000 χ^2/NDF : 11903831.4/33

All: 0.003+/-0.000 χ^2/NDF : 21687166.0/69

- sign 0.003+/-0.000 χ^2/NDF : 9765090.6/35

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.027 $\pm$ 0.010 χ^2 /NDF: 23.4/17

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

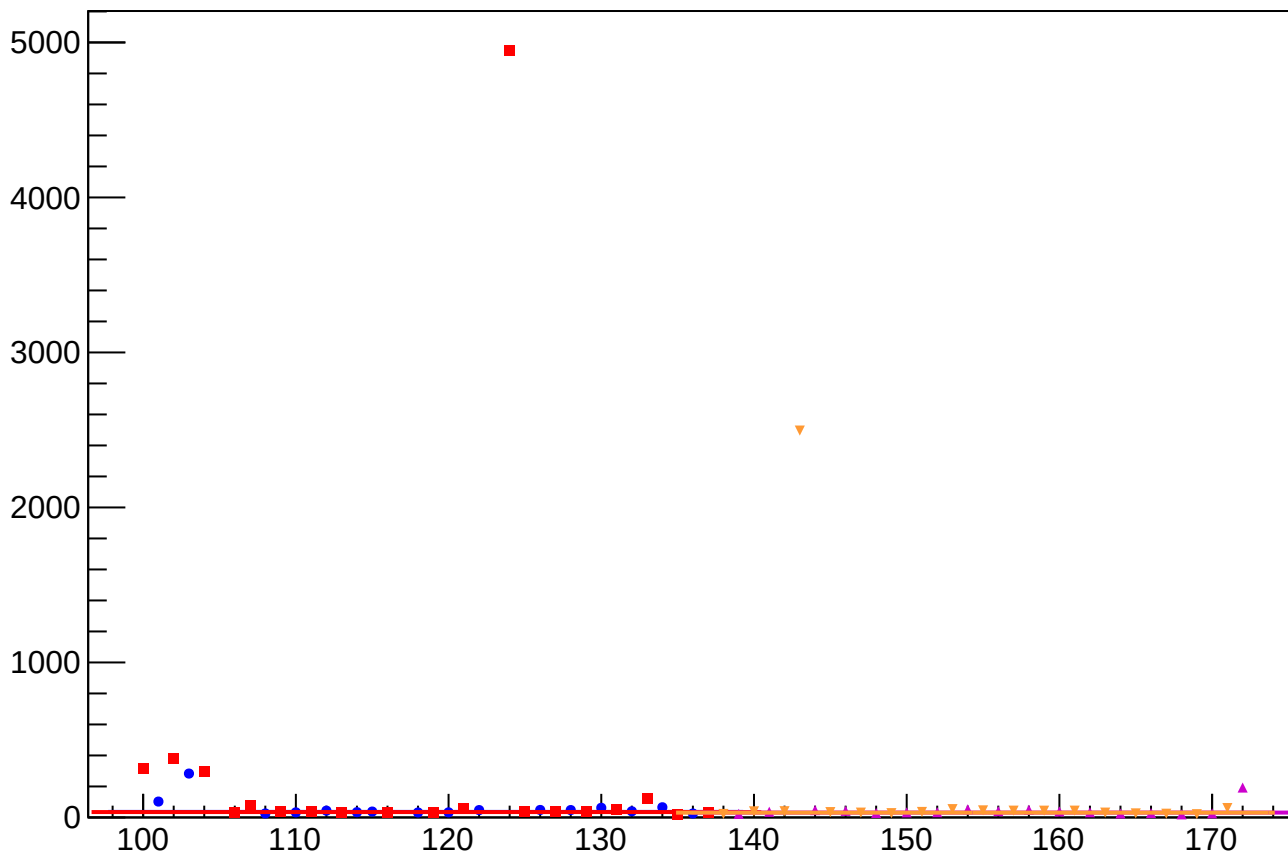
Left In: -0.011 $\pm$ 0.010 χ^2 /NDF: 10.7/16

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 40.8/33

All: -0.010 $\pm$ 0.006 χ^2 /NDF: 70.2/69

- sign -0.005 $\pm$ 0.008 χ^2 /NDF: 28.6/35

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 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

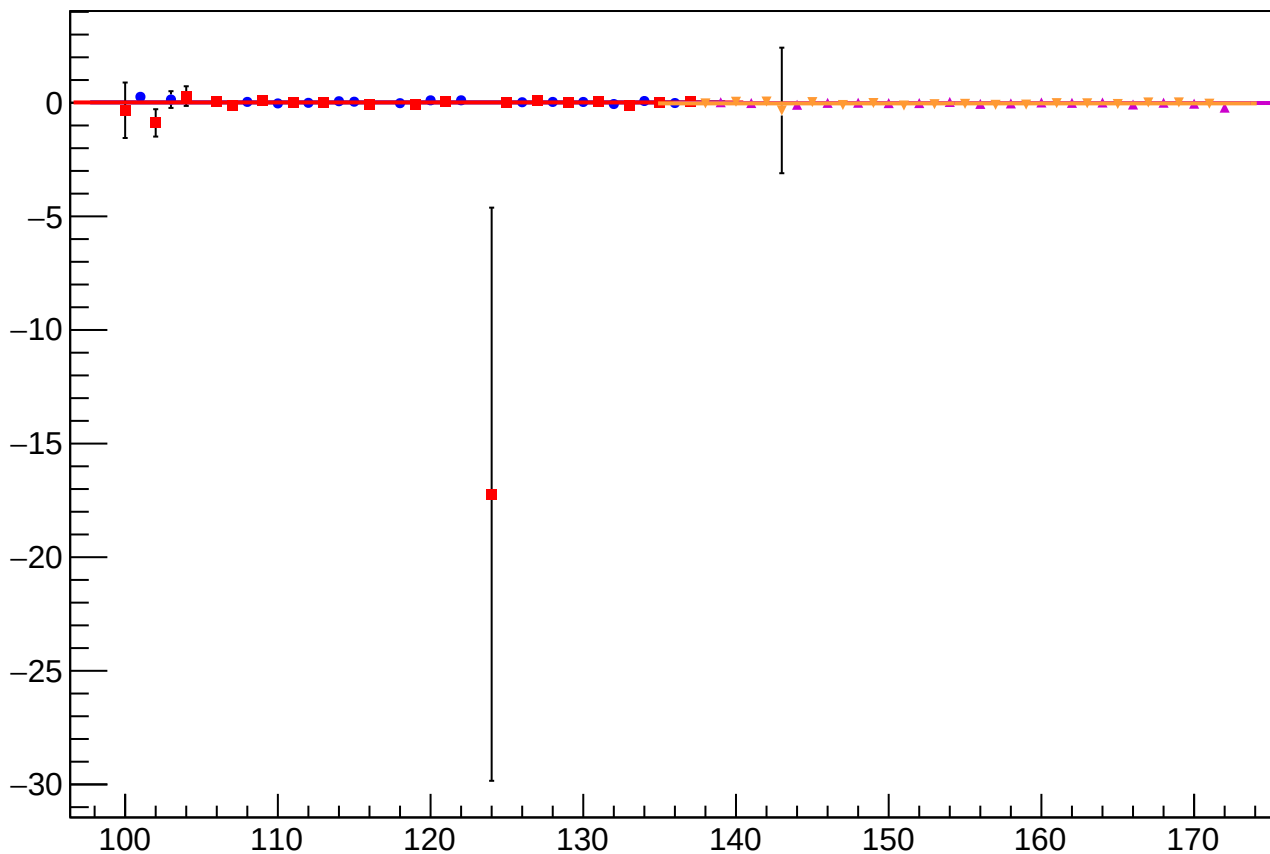
Left In: 31.475+/-0.007 χ^2/NDF :2795602.4/16

+ sign 32.346+/-0.006 χ^2/NDF : 5787498.8/33

All: 32.361+/-0.004 χ^2/NDF : 11563000.5/69

- sign 32.377+/-0.006 χ^2/NDF : 5775487.4/35

asym_atl_avg_atr_avg_dd_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

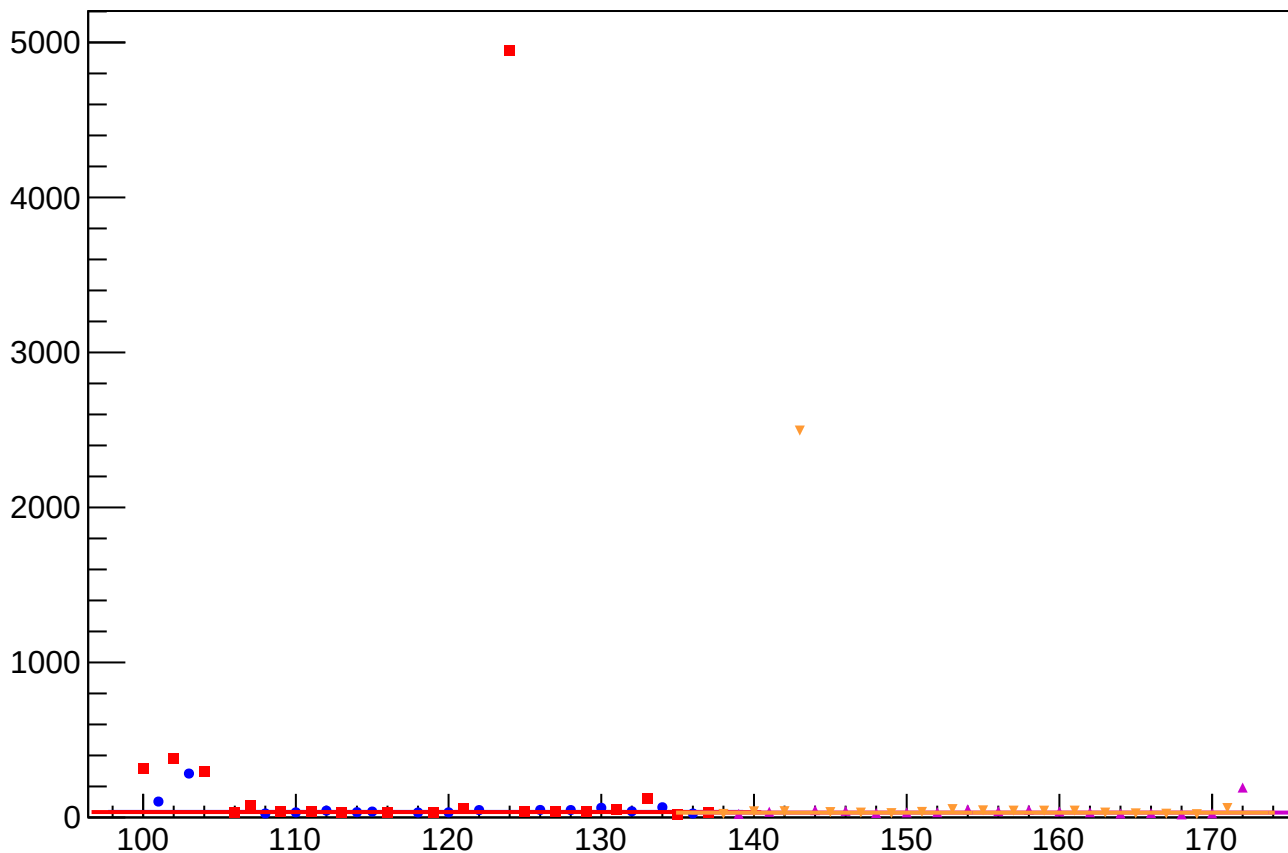
Left In: -0.011 ± 0.010 χ^2/NDF : 10.7/16

+ sign -0.015 ± 0.008 χ^2/NDF : 40.8/33

All: -0.010 ± 0.006 χ^2/NDF : 70.2/69

- sign -0.005 ± 0.008 χ^2/NDF : 28.6/35

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.743 $\pm$ 0.011 χ^2 /NDF: 2264513.9/15

Left Out: 31.046 $\pm$ 0.007 χ^2 /NDF:3389231.6/17

Right Out: 34.798 $\pm$ 0.011 χ^2 /NDF: 2913962.5/18

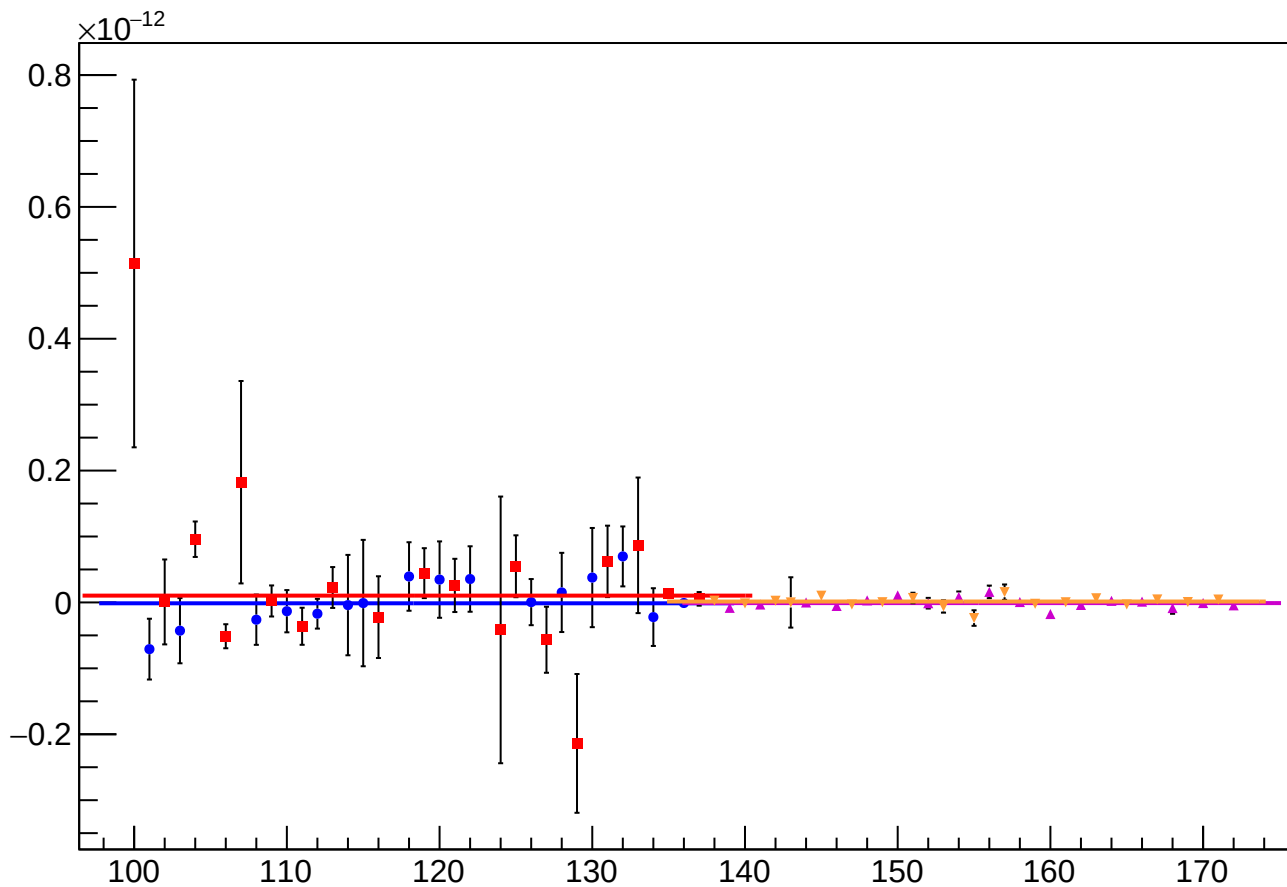
Left In: 31.475 $\pm$ 0.007 χ^2 /NDF:2795602.4/16

+ sign 32.346 $\pm$ 0.006 χ^2 /NDF: 5787498.8/33

All: 32.361 $\pm$ 0.004 χ^2 /NDF: 11563000.5/69

- sign 32.377 $\pm$ 0.006 χ^2 /NDF: 5775487.4/35

asym_atl_avg_atr_avg_dd_eigen_cor_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 : 13.0/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

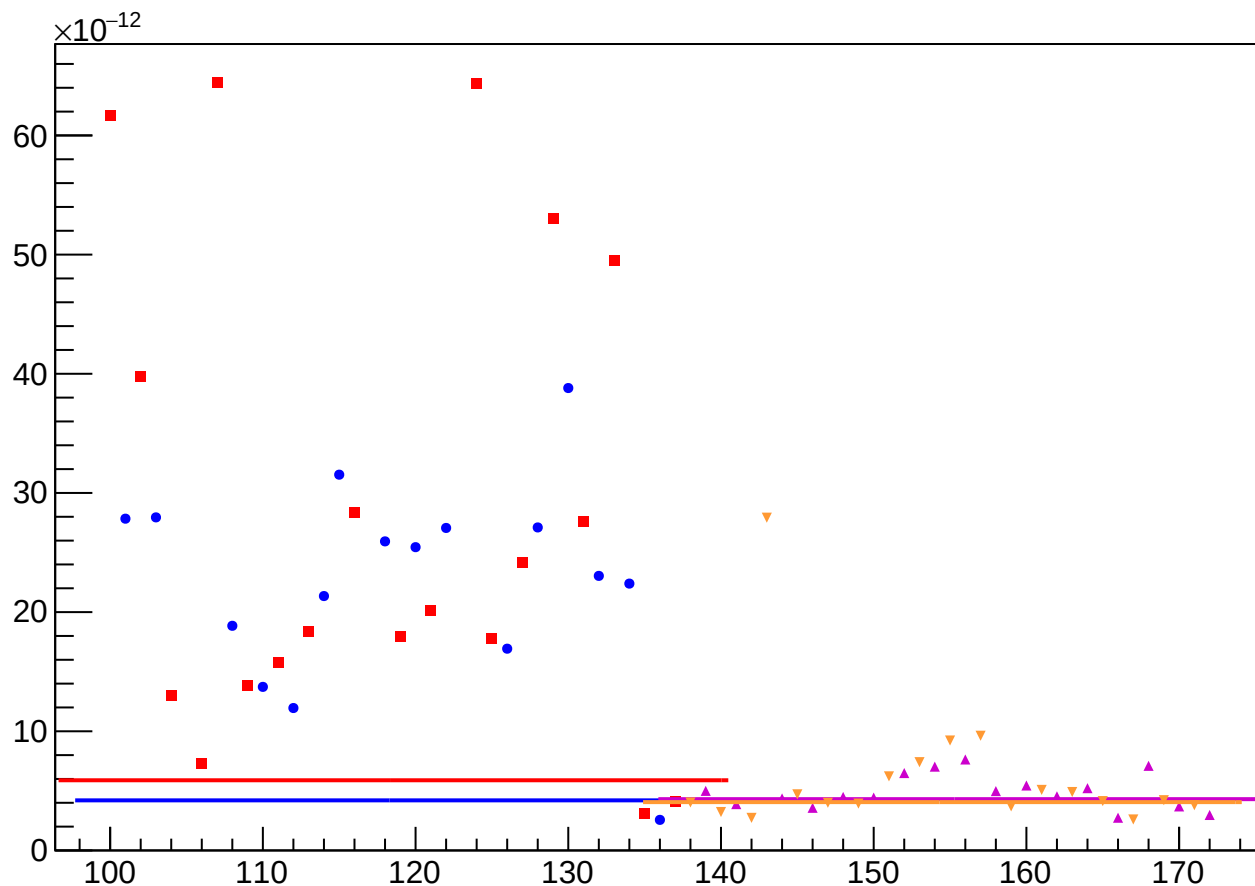
Left In: -0.000 ± 0.000 χ^2/NDF : 19.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 22.2/33

All: 0.000 ± 0.000 χ^2/NDF : 87.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 65.4/35

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

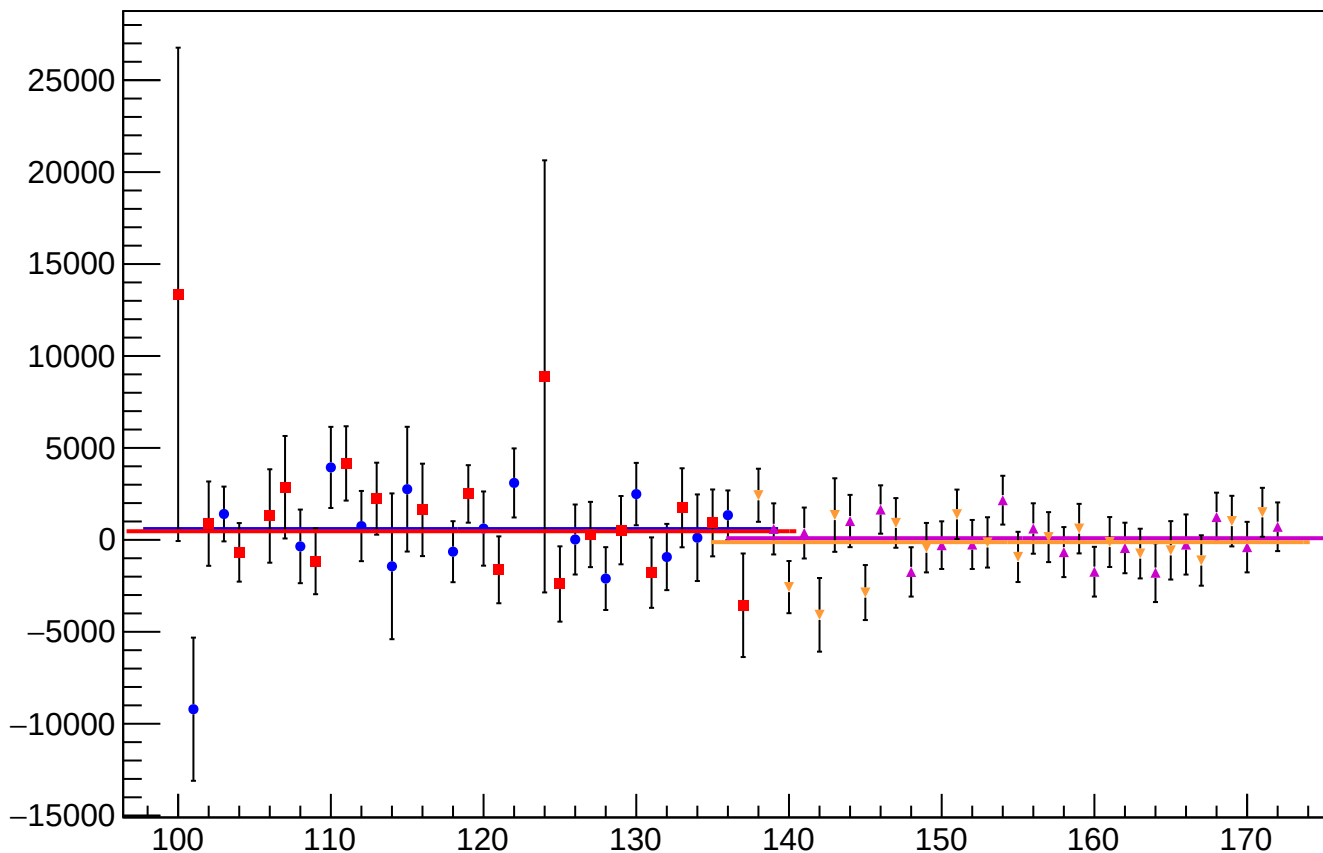
Left In: 0.000+/-0.000 χ^2/NDF : 1493959.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 7747202.0/33

All: 0.000+/-0.000 χ^2/NDF : 14448739.8/69

- sign 0.000+/-0.000 χ^2/NDF : 6613296.5/35

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 586.935 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -123.603 $\pm$ 336.112 χ^2 /NDF:19.5/17

Right Out: 469.012 $\pm$ 480.516 χ^2 /NDF: 16.9/18

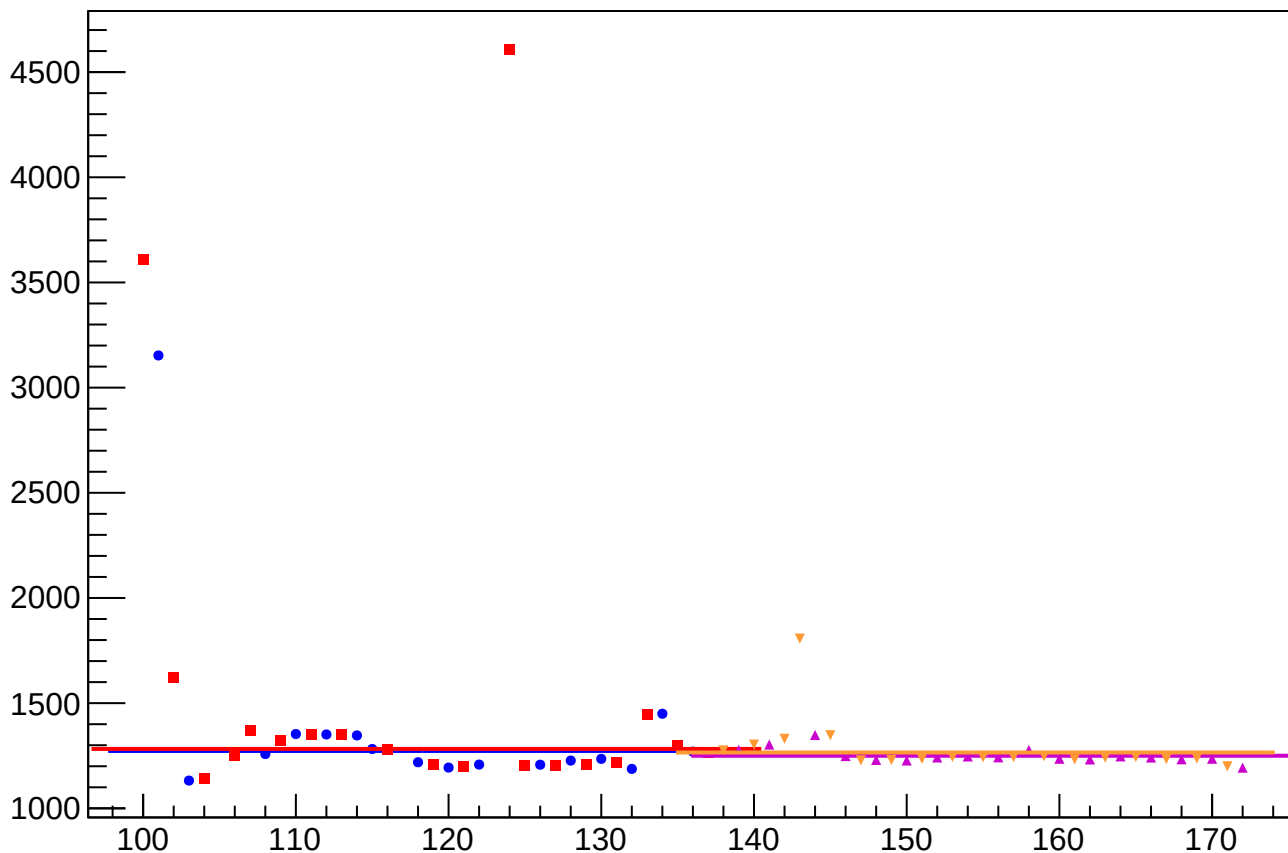
Left In: 90.575 $\pm$ 333.783 χ^2 /NDF:11.4/16

+ sign 108.585 $\pm$ 275.781 χ^2 /NDF: 38.0/33

All: 161.480 $\pm$ 194.422 χ^2 /NDF: 66.8/69

- sign 213.745 $\pm$ 274.135 χ^2 /NDF: 28.7/35

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519298.2/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF: 171106.9/17

Right Out: 1282.365 $\pm$ 0.340 χ^2 /NDF: 322078.6/18

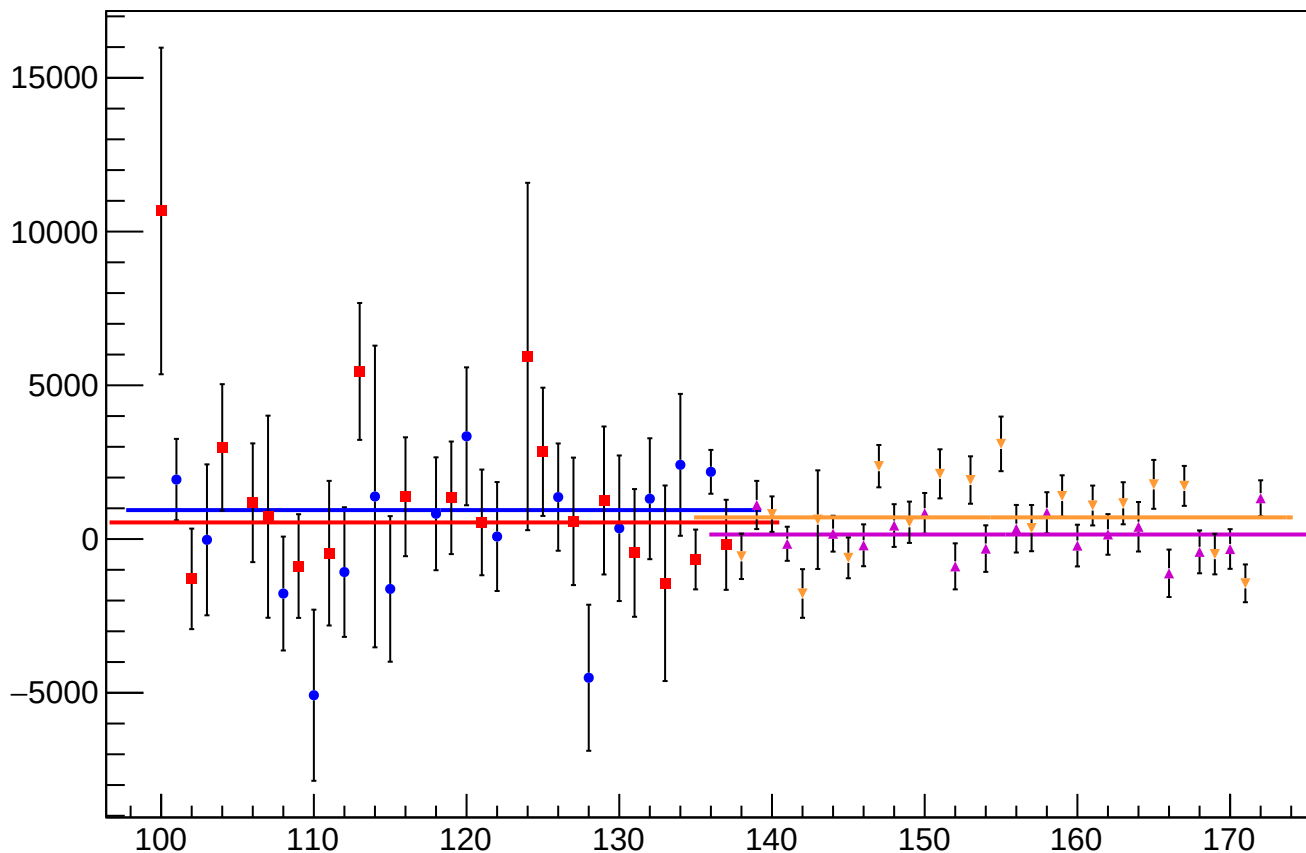
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF: 20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690721.7/33

All: 1264.162 $\pm$ 0.137 χ^2 /NDF: 1039863.9/69

- sign 1260.544 $\pm$ 0.194 χ^2 /NDF: 348441.4/35

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

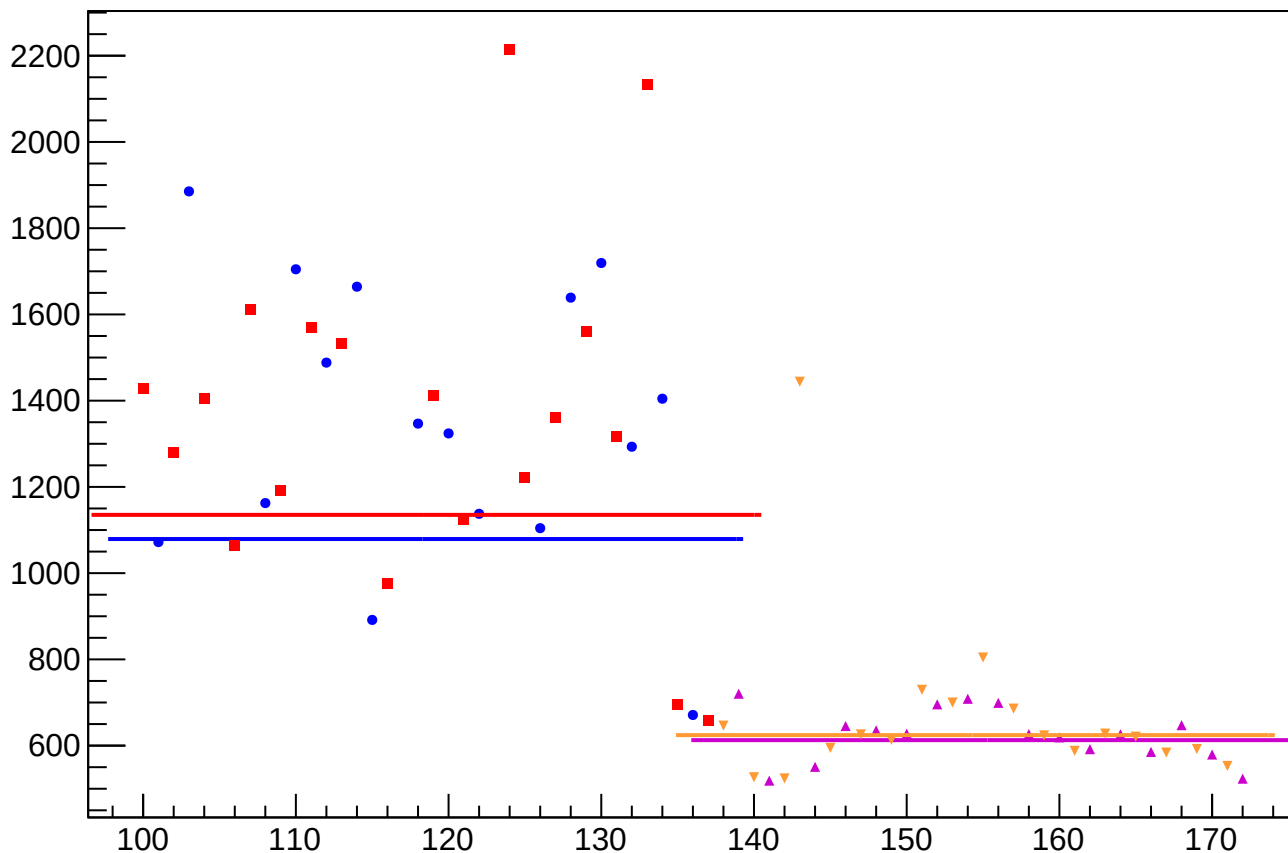
Left In: 148.040 ± 164.697 χ^2/NDF : 15.1/16

+ sign 736.779 ± 156.487 χ^2/NDF : 77.5/33

All: 462.636 ± 109.851 χ^2/NDF : 116.6/69

- sign 196.303 ± 154.242 χ^2/NDF : 33.0/35

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1079.120 $\pm$ 0.301 χ^2/NDF : 1482232.0/15

Left Out: 624.370 $\pm$ 0.119 χ^2/NDF : 813716.4/17

Right Out: 1135.161 $\pm$ 0.311 χ^2/NDF : 1293082.2/18

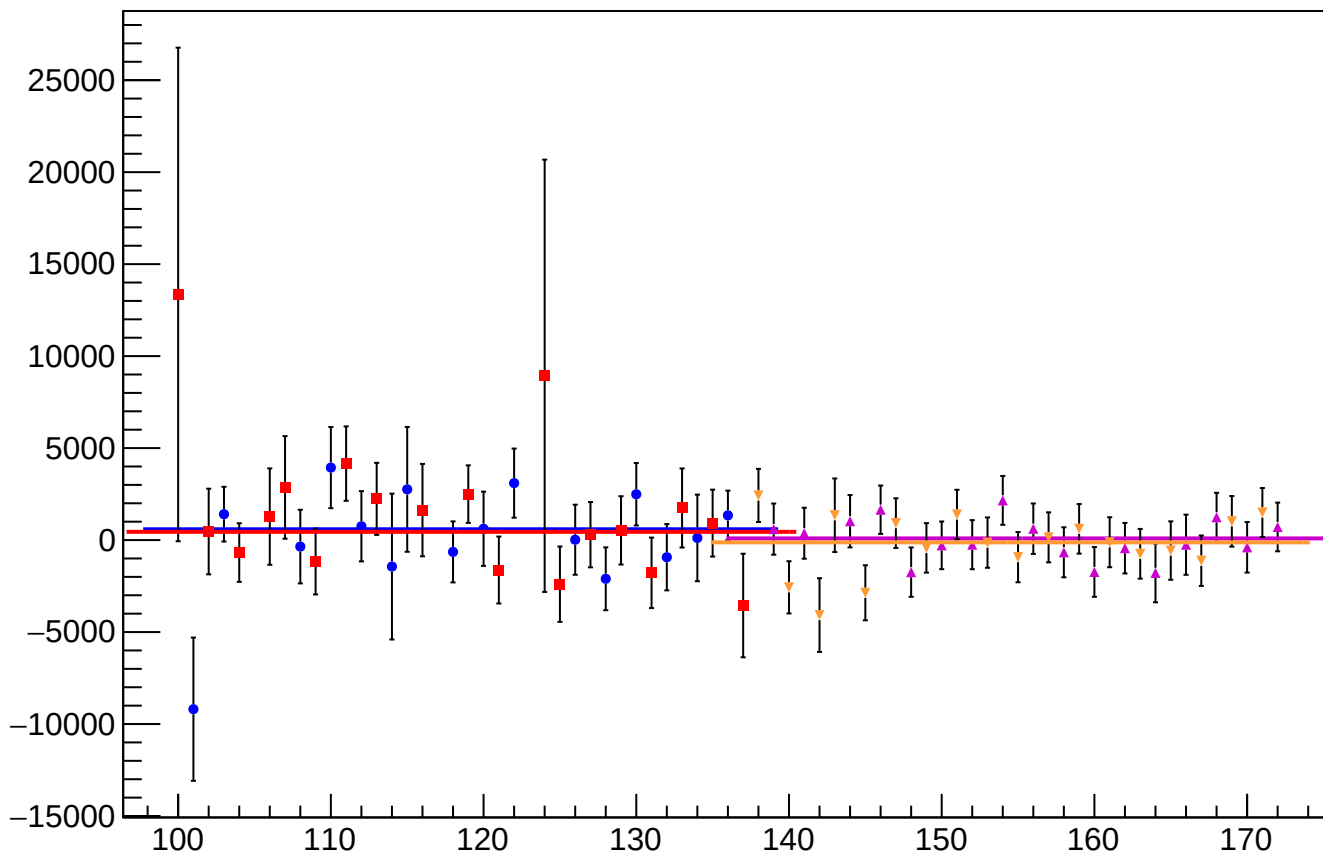
Left In: 612.733 $\pm$ 0.116 χ^2/NDF : 270769.5/16

+ sign 685.780 $\pm$ 0.111 χ^2/NDF : 4268751.9/33

All: 681.306 $\pm$ 0.078 χ^2/NDF : 8309803.1/69

- sign 676.959 $\pm$ 0.109 χ^2/NDF : 4037827.7/35

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -123.668 $\pm$ 336.112 χ^2 /NDF:19.5/17

Right Out: 448.412 $\pm$ 481.333 χ^2 /NDF: 16.8/18

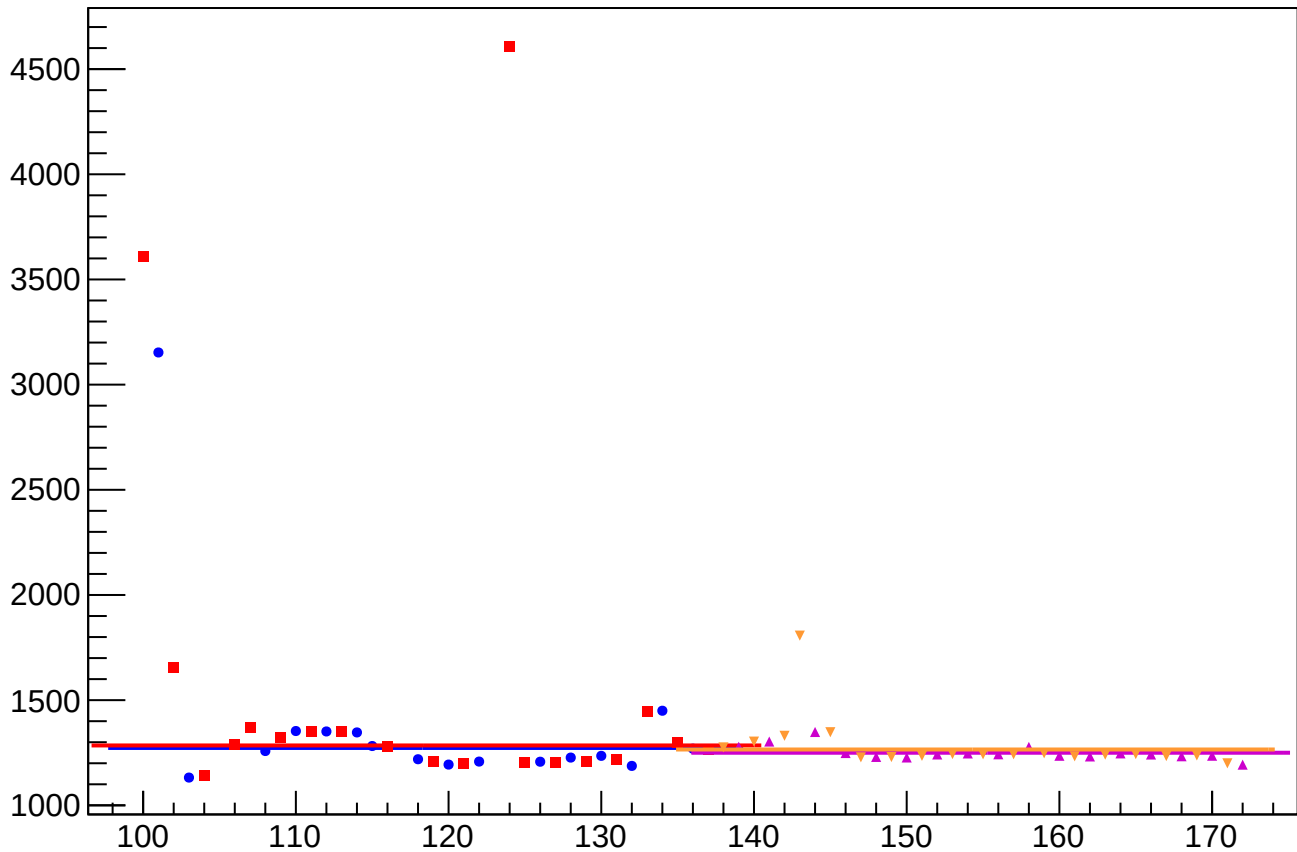
Left In: 90.626 $\pm$ 333.783 χ^2 /NDF:11.4/16

+ sign 108.645 $\pm$ 275.781 χ^2 /NDF: 38.0/33

All: 157.994 $\pm$ 194.476 χ^2 /NDF: 66.6/69

- sign 206.809 $\pm$ 274.286 χ^2 /NDF: 28.6/35

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF: 171106.8/17

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

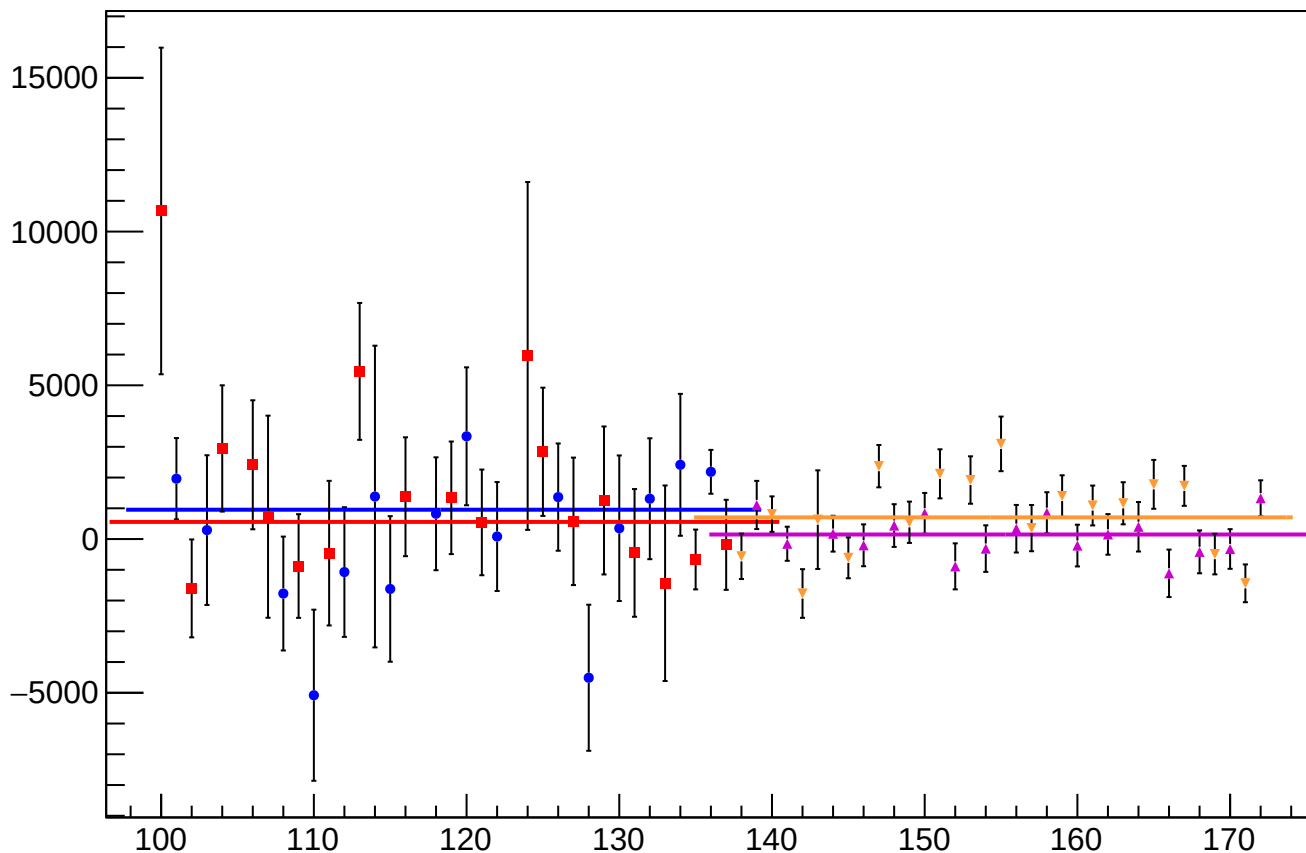
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF: 20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690723.1/33

All: 1264.525 $\pm$ 0.138 χ^2 /NDF: 1047269.6/69

- sign 1261.264 $\pm$ 0.194 χ^2 /NDF: 355977.7/35

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2/NDF : 19.9/15

Left Out: 704.769 $\pm$ 168.261 χ^2/NDF : 57.3/17

Right Out: 557.935 $\pm$ 440.758 χ^2/NDF : 18.4/18

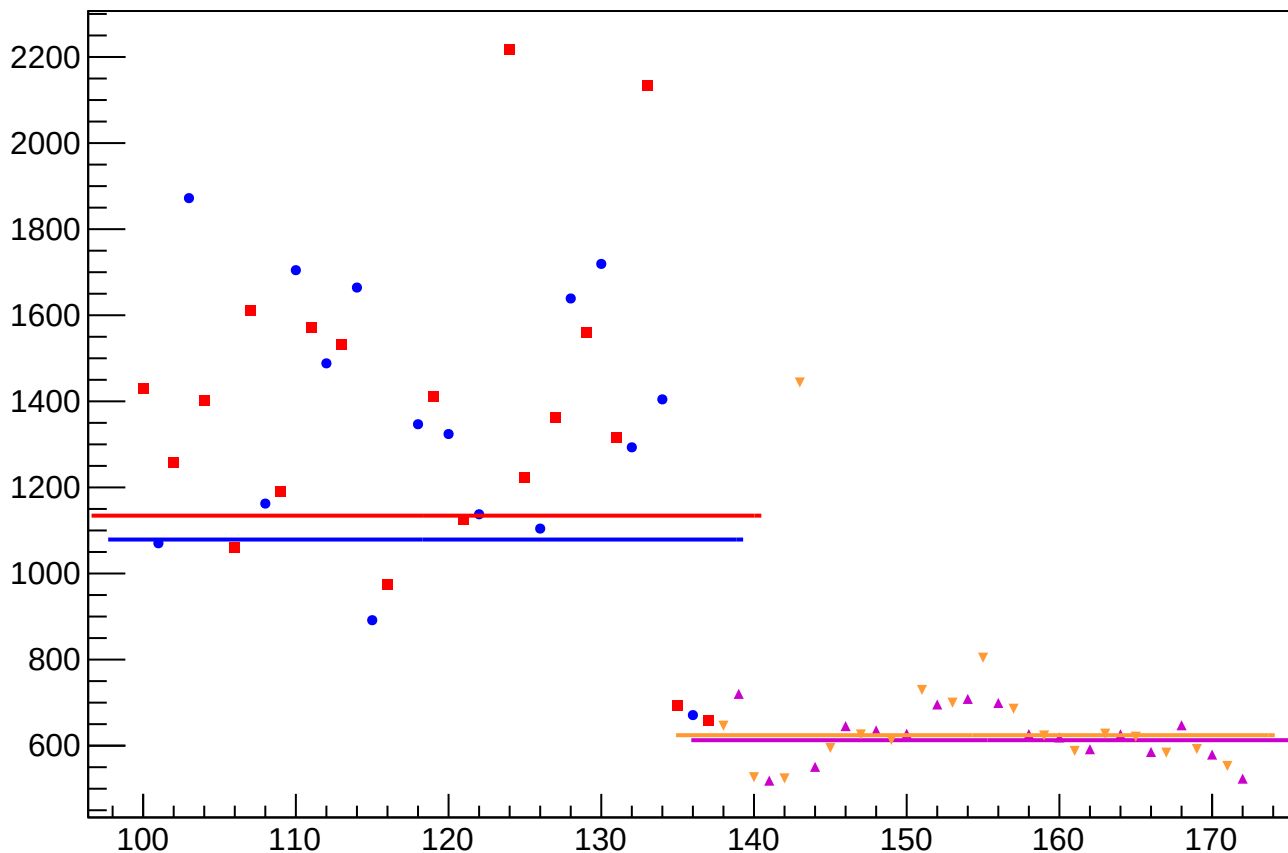
Left In: 148.026 $\pm$ 164.697 χ^2/NDF : 15.1/16

+ sign 738.470 $\pm$ 156.479 χ^2/NDF : 77.5/33

All: 464.532 $\pm$ 109.861 χ^2/NDF : 117.8/69

- sign 198.248 $\pm$ 154.278 χ^2/NDF : 34.3/35

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 624.375 $\pm$ 0.119 χ^2 /NDF: 813628.8/17

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

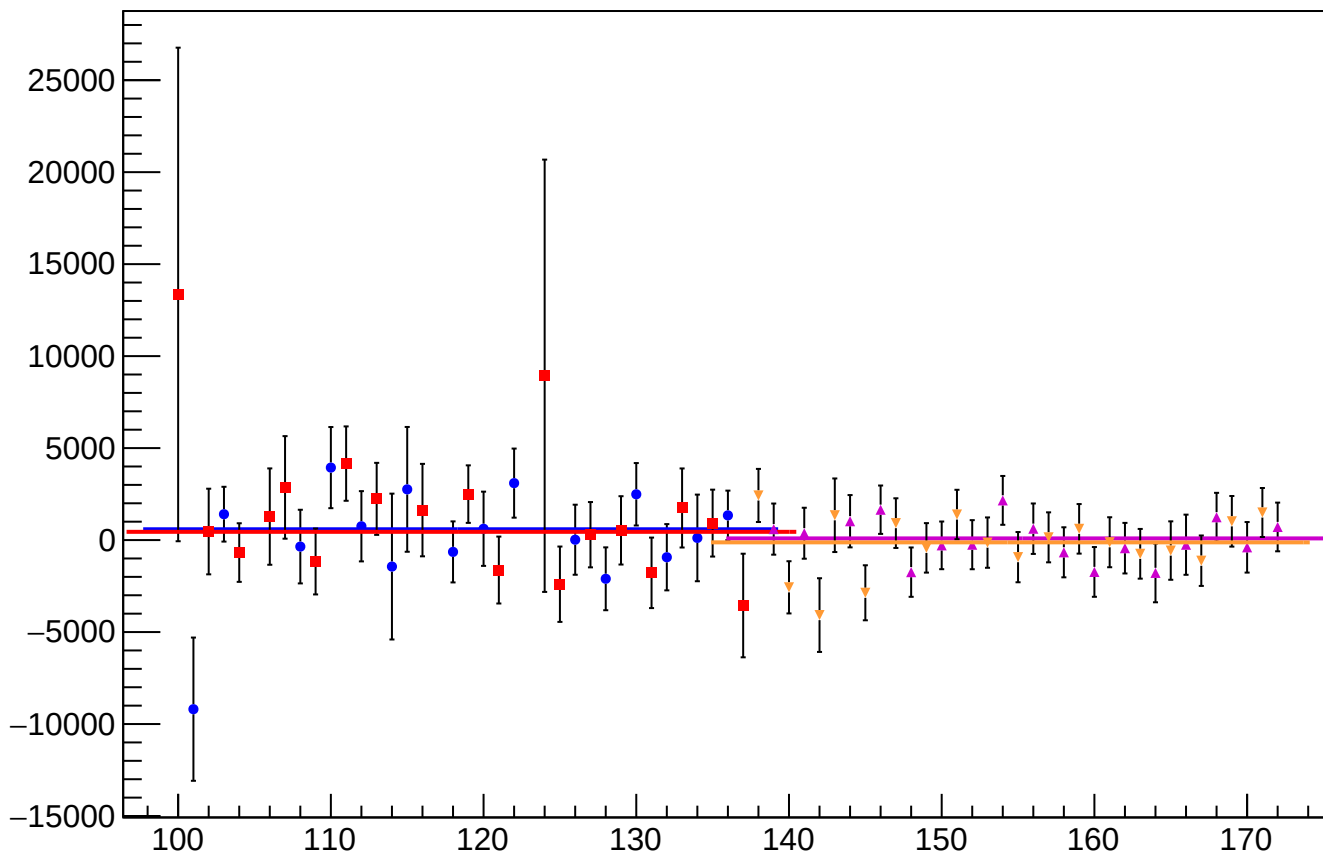
Left In: 612.730 $\pm$ 0.116 χ^2 /NDF: 270782.3/16

+ sign 685.804 $\pm$ 0.111 χ^2 /NDF: 4264888.3/33

All: 681.162 $\pm$ 0.078 χ^2 /NDF: 8286736.1/69

- sign 676.649 $\pm$ 0.109 χ^2 /NDF: 4018376.1/35

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 587.254 ± 482.434 χ^2/NDF : 17.1/15

Left Out: -123.668 ± 336.112 χ^2/NDF : 19.5/17

Right Out: 448.412 ± 481.333 χ^2/NDF : 16.8/18

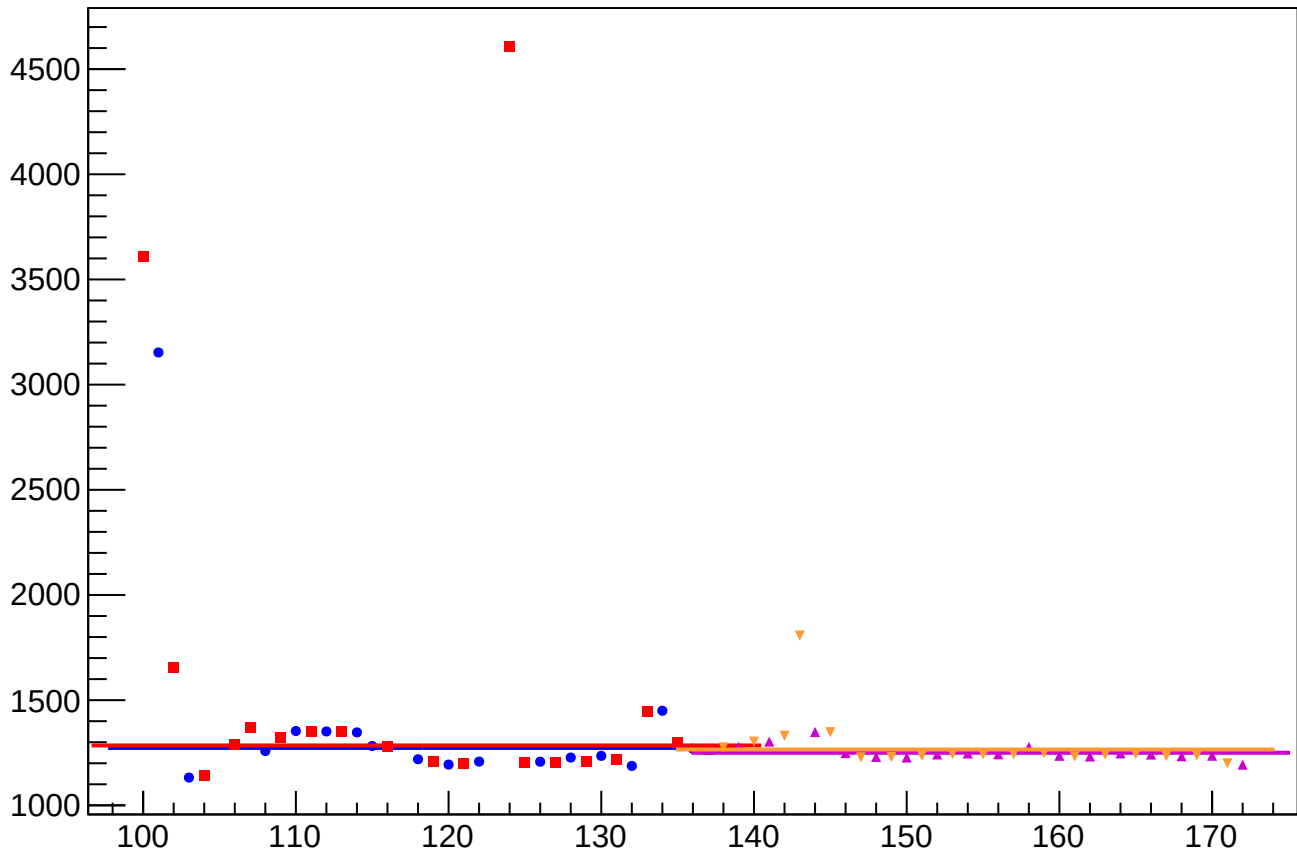
Left In: 90.626 ± 333.783 χ^2/NDF : 11.4/16

+ sign 108.645 ± 275.781 χ^2/NDF : 38.0/33

All: 157.994 ± 194.476 χ^2/NDF : 66.6/69

- sign 206.809 ± 274.286 χ^2/NDF : 28.6/35

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF: 171106.8/17

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

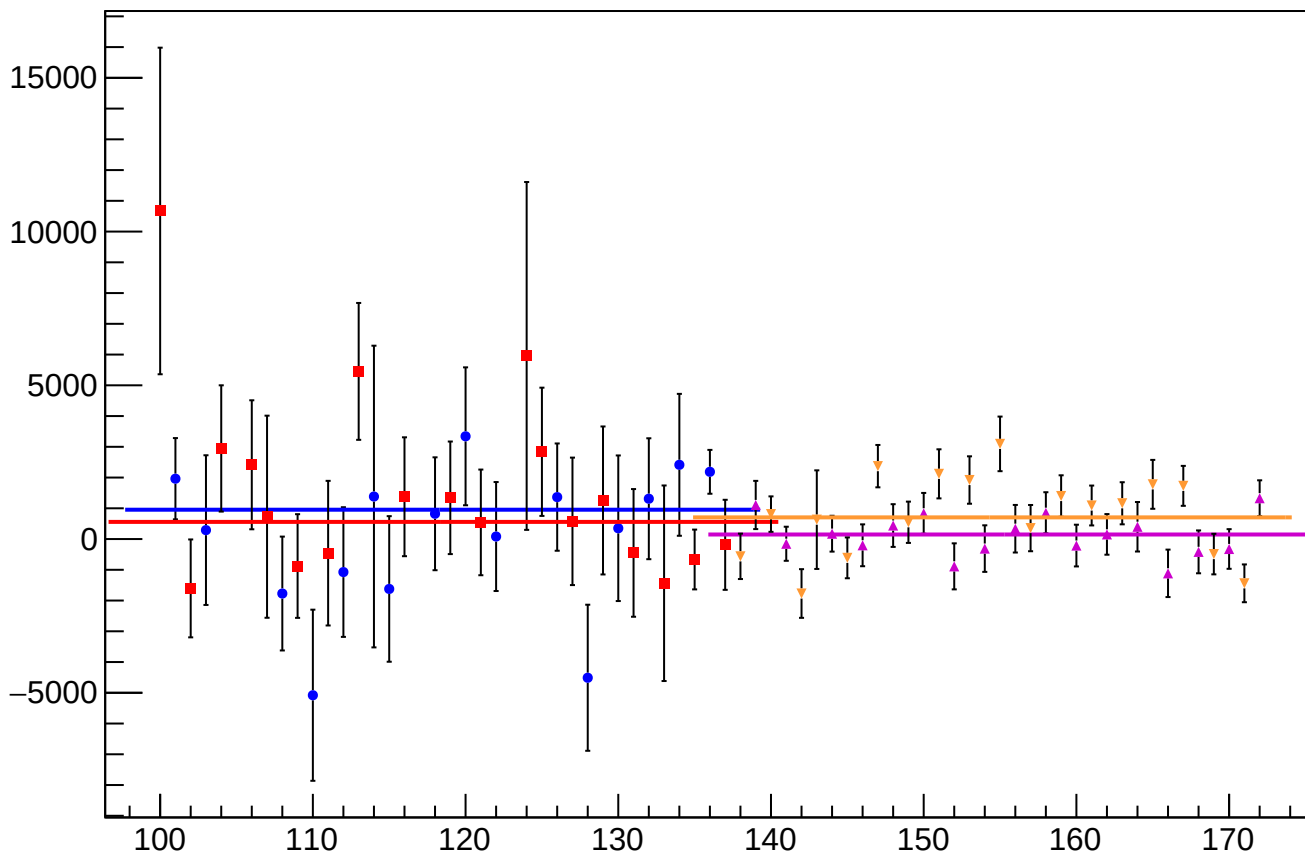
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF: 20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690723.1/33

All: 1264.525 $\pm$ 0.138 χ^2 /NDF: 1047269.6/69

- sign 1261.264 $\pm$ 0.194 χ^2 /NDF: 355977.7/35

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 704.769 $\pm$ 168.261 χ^2 /NDF: 57.3/17

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

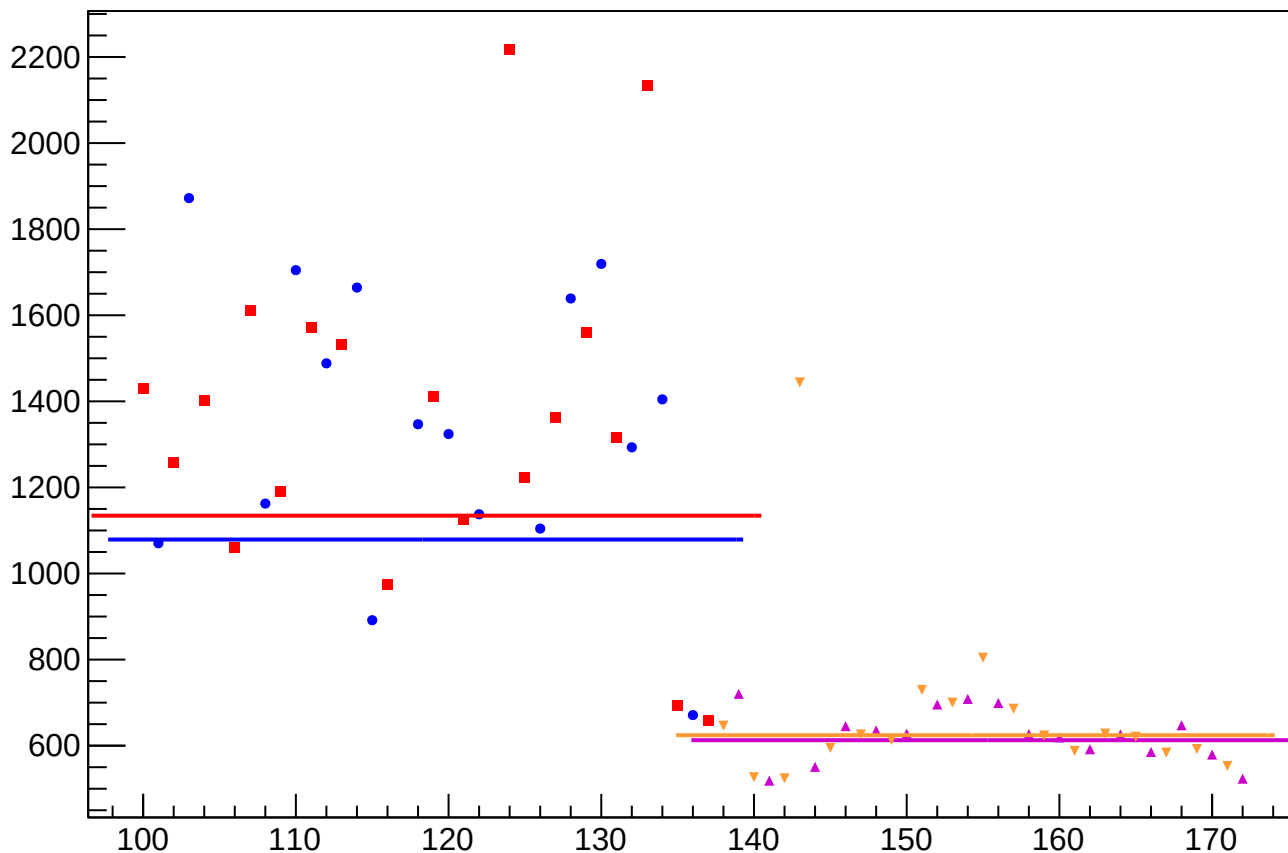
Left In: 148.026 $\pm$ 164.697 χ^2 /NDF: 15.1/16

+ sign 738.470 $\pm$ 156.479 χ^2 /NDF: 77.5/33

All: 464.532 $\pm$ 109.861 χ^2 /NDF: 117.8/69

- sign 198.248 $\pm$ 154.278 χ^2 /NDF: 34.3/35

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 624.375 $\pm$ 0.119 χ^2 /NDF:813628.8/17

Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

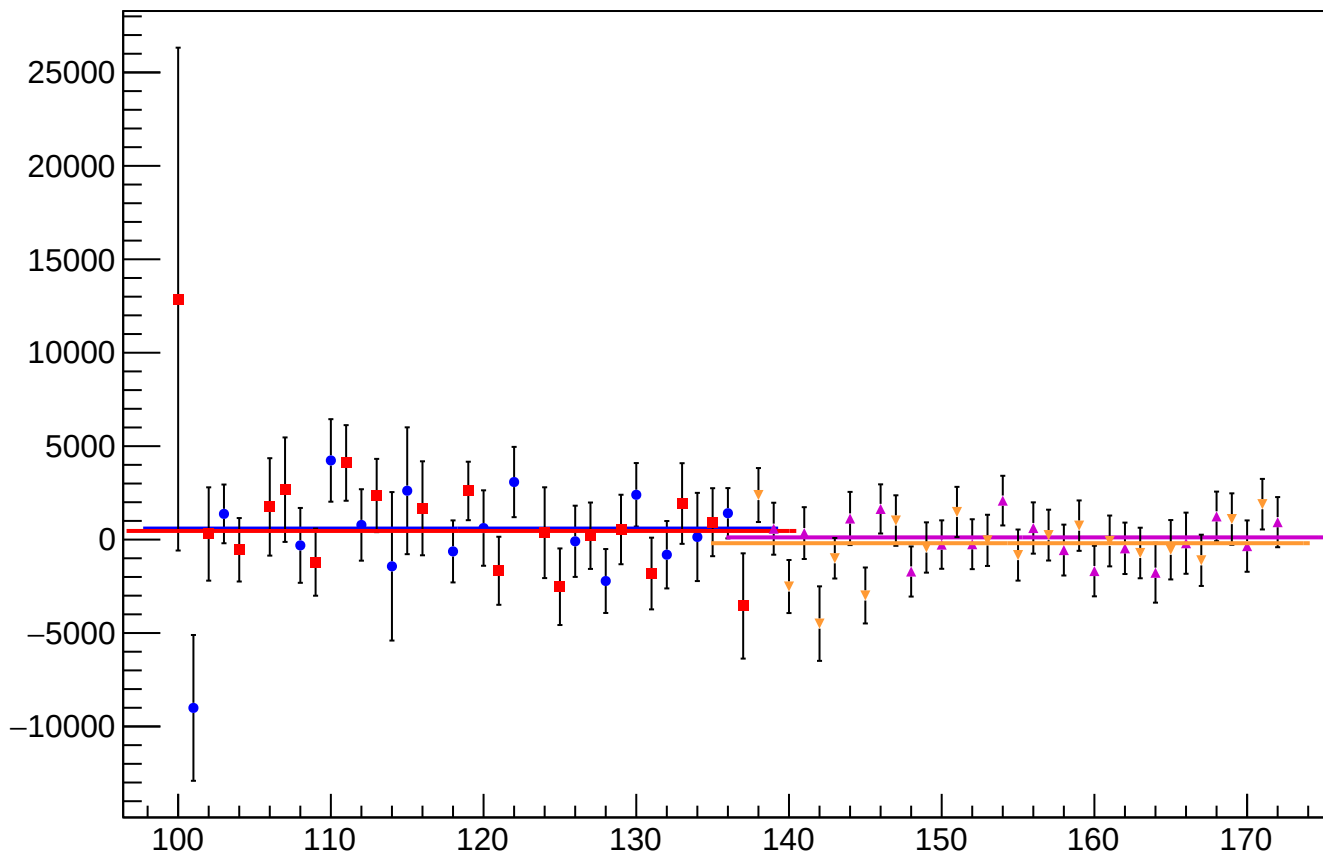
Left In: 612.730 $\pm$ 0.116 χ^2 /NDF:270782.3/16

+ sign 685.804 $\pm$ 0.111 χ^2 /NDF: 4264888.3/33

All: 681.162 $\pm$ 0.078 χ^2 /NDF: 8286736.1/69

- sign 676.649 $\pm$ 0.109 χ^2 /NDF: 4018376.1/35

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

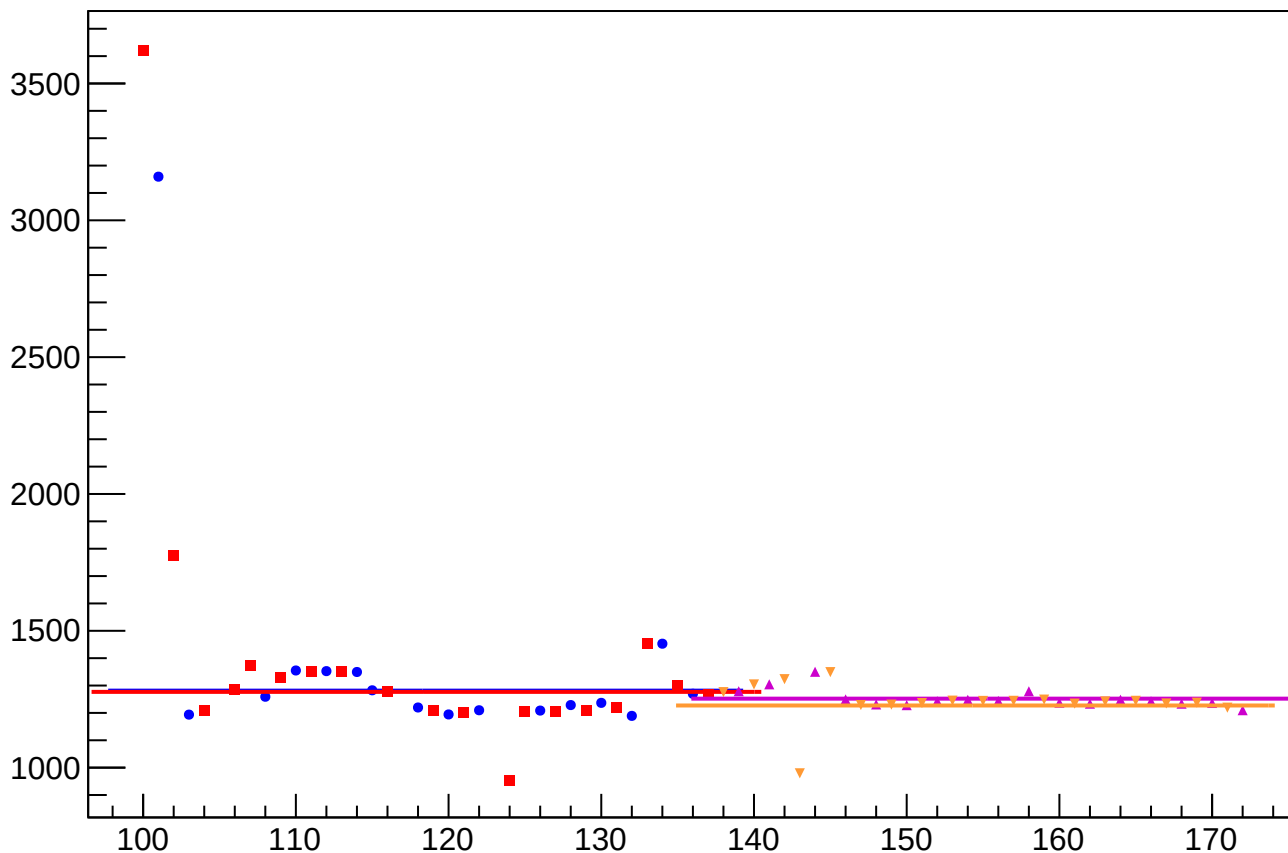
Left In: 119.011+/-334.326 χ^2/NDF : 11.2/16

+ sign 50.022+/-270.490 χ^2/NDF : 40.6/33

All: 140.056+/-192.403 χ^2/NDF : 69.0/69

- sign 232.264+/-273.737 χ^2/NDF : 28.2/35

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

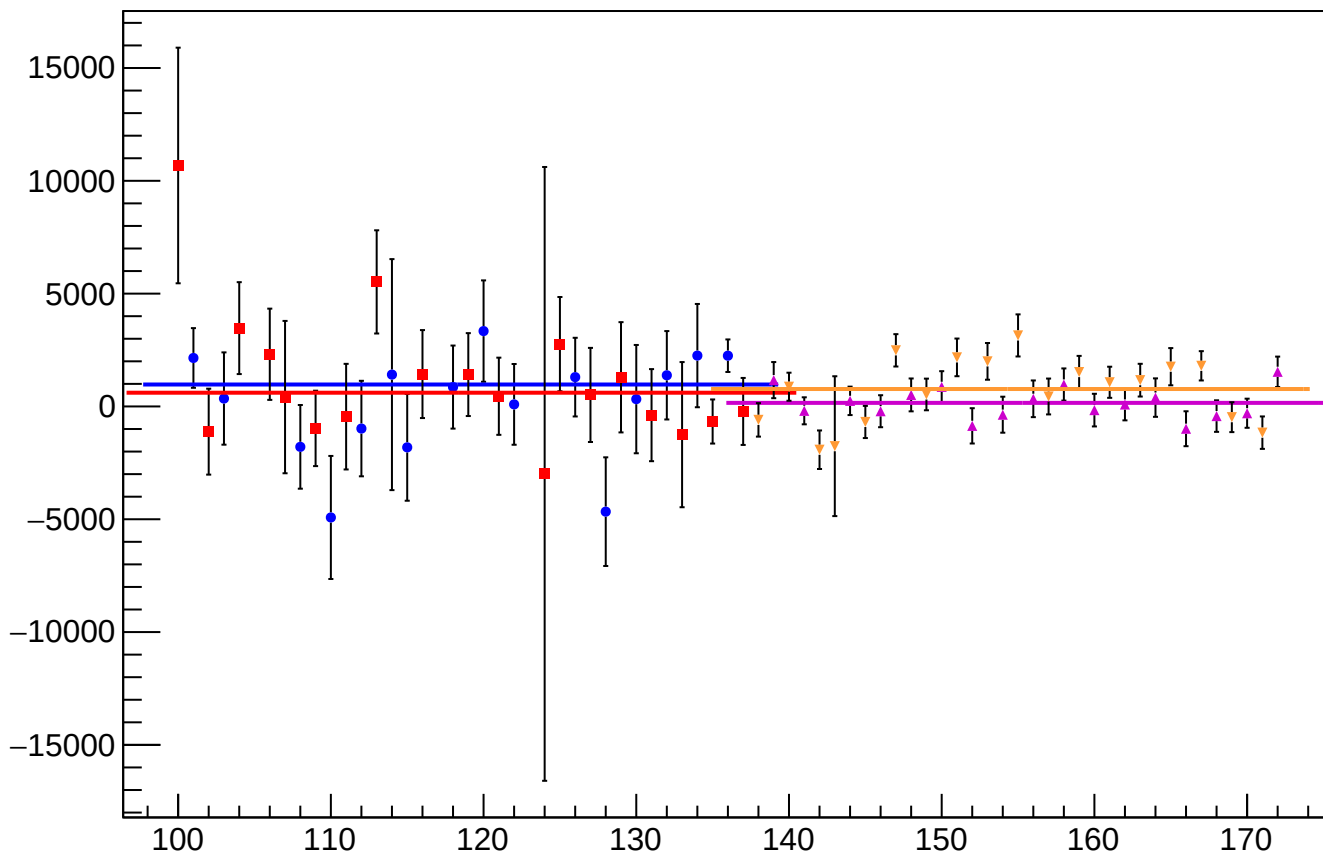
Left In: 1252.084+/-0.236 χ^2/NDF :18592.6/16

+ sign 1243.958+/-0.191 χ^2/NDF : 657272.0/33

All: 1252.007+/-0.136 χ^2/NDF : 903583.6/69

- sign 1260.251+/-0.194 χ^2/NDF : 242726.6/35

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 972.287 $\pm$ 425.219 χ^2 /NDF: 20.4/15

Left Out: 772.412 $\pm$ 178.147 χ^2 /NDF:52.1/17

Right Out: 608.431 $\pm$ 447.734 χ^2 /NDF: 17.1/18

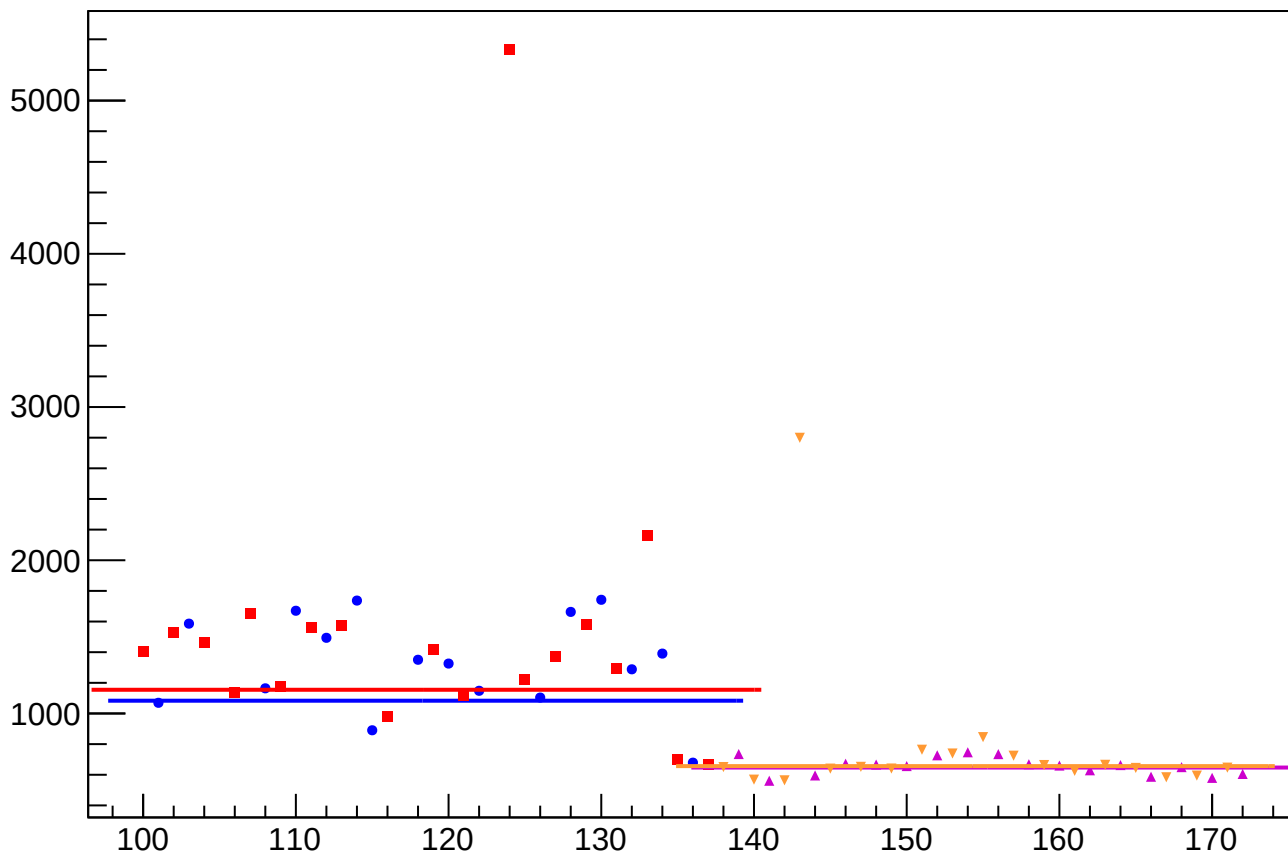
Left In: 158.268 $\pm$ 173.692 χ^2 /NDF:14.9/16

+ sign 802.257 $\pm$ 164.309 χ^2 /NDF: 72.8/33

All: 505.444 $\pm$ 115.335 χ^2 /NDF: 112.1/69

- sign 217.153 $\pm$ 161.934 χ^2 /NDF: 32.9/35

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1083.335 $\pm$ 0.301 χ^2 /NDF: 1360153.3/15

Left Out: 656.452 $\pm$ 0.126 χ^2 /NDF:1220528.3/17

+ sign 720.192 $\pm$ 0.116 χ^2 /NDF: 4295392.8/33

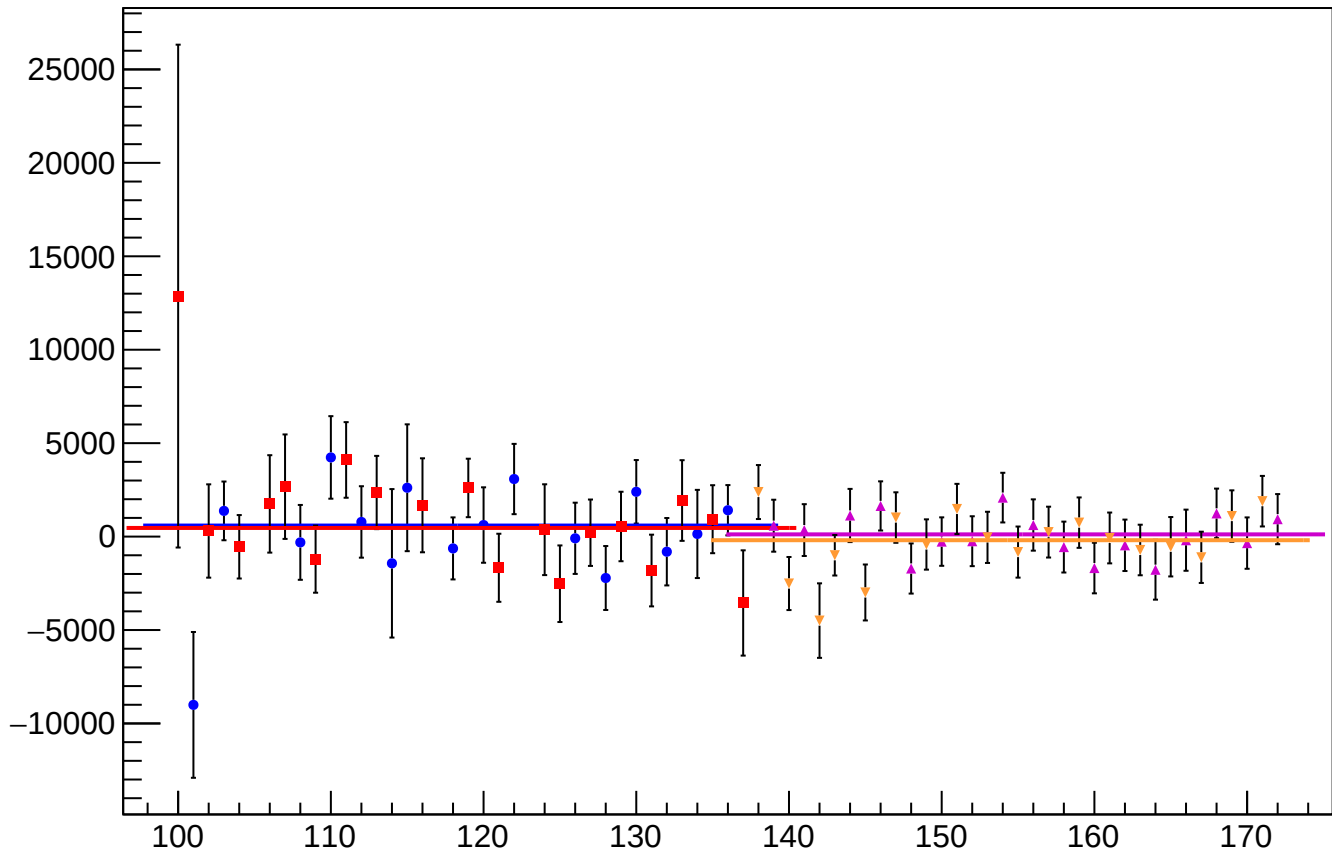
Right Out: 1154.724 $\pm$ 0.317 χ^2 /NDF: 1488304.5/18

All: 716.809 $\pm$ 0.082 χ^2 /NDF: 8224409.8/69

Left In: 647.125 $\pm$ 0.123 χ^2 /NDF:204708.0/16

- sign 713.523 $\pm$ 0.115 χ^2 /NDF: 3927345.7/35

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF : 17.1/15

Left Out: -193.205+/-325.732 χ^2/NDF : 21.7/17

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

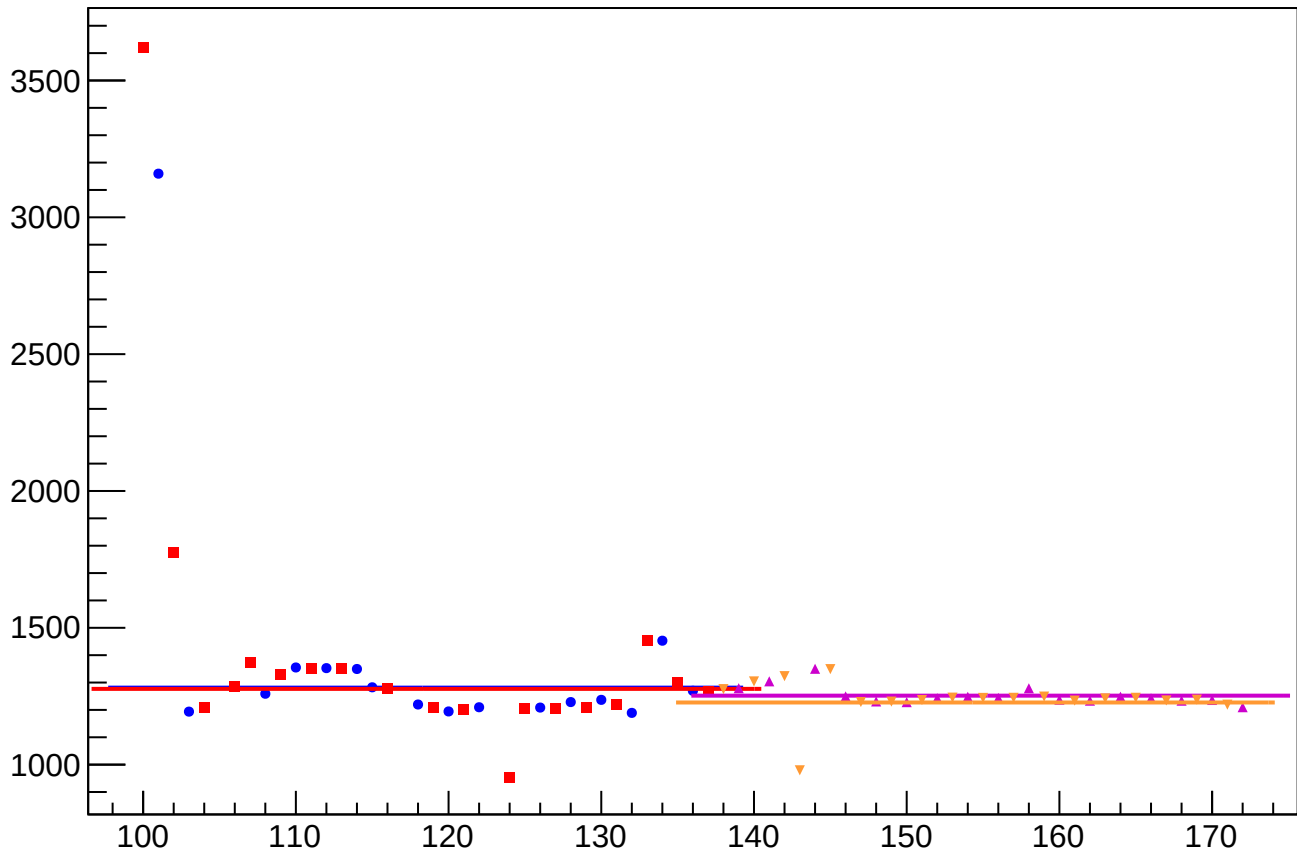
Left In: 119.010+/-334.326 χ^2/NDF : 11.2/16

+ sign 50.021+/-270.490 χ^2/NDF : 40.6/33

All: 140.055+/-192.403 χ^2/NDF : 69.0/69

- sign 232.263+/-273.737 χ^2/NDF : 28.2/35

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.369 ± 0.343 $\chi^2/\text{NDF}: 507078.6/15$

Left Out: 1227.116 ± 0.230 $\chi^2/\text{NDF}: 132970.1/17$

Right Out: 1276.860 ± 0.337 $\chi^2/\text{NDF}: 220513.5/18$

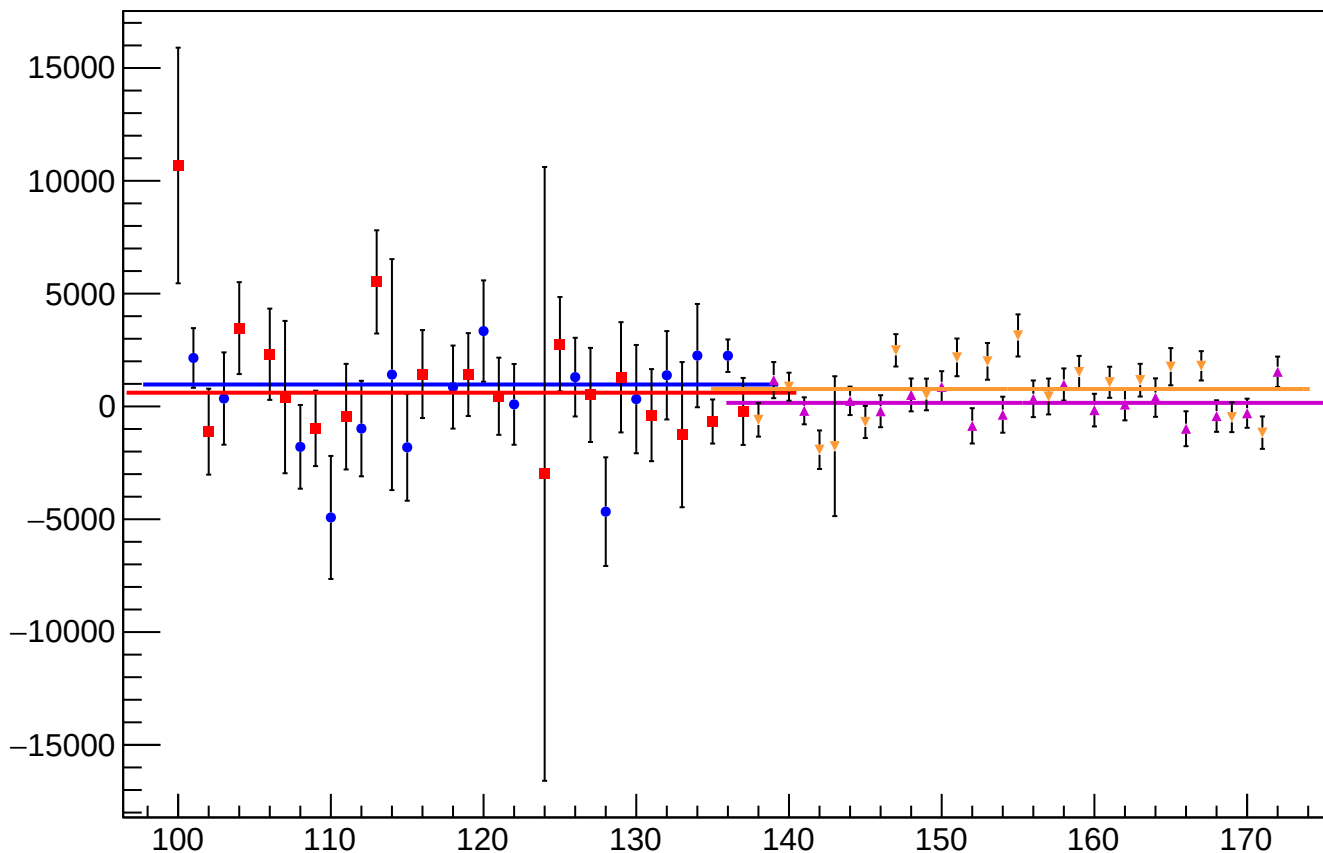
Left In: 1252.084 ± 0.236 $\chi^2/\text{NDF}: 18592.7/16$

+ sign 1243.958 ± 0.191 $\chi^2/\text{NDF}: 657271.4/33$

All: 1252.007 ± 0.136 $\chi^2/\text{NDF}: 903582.9/69$

- sign 1260.251 ± 0.194 $\chi^2/\text{NDF}: 242726.5/35$

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



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

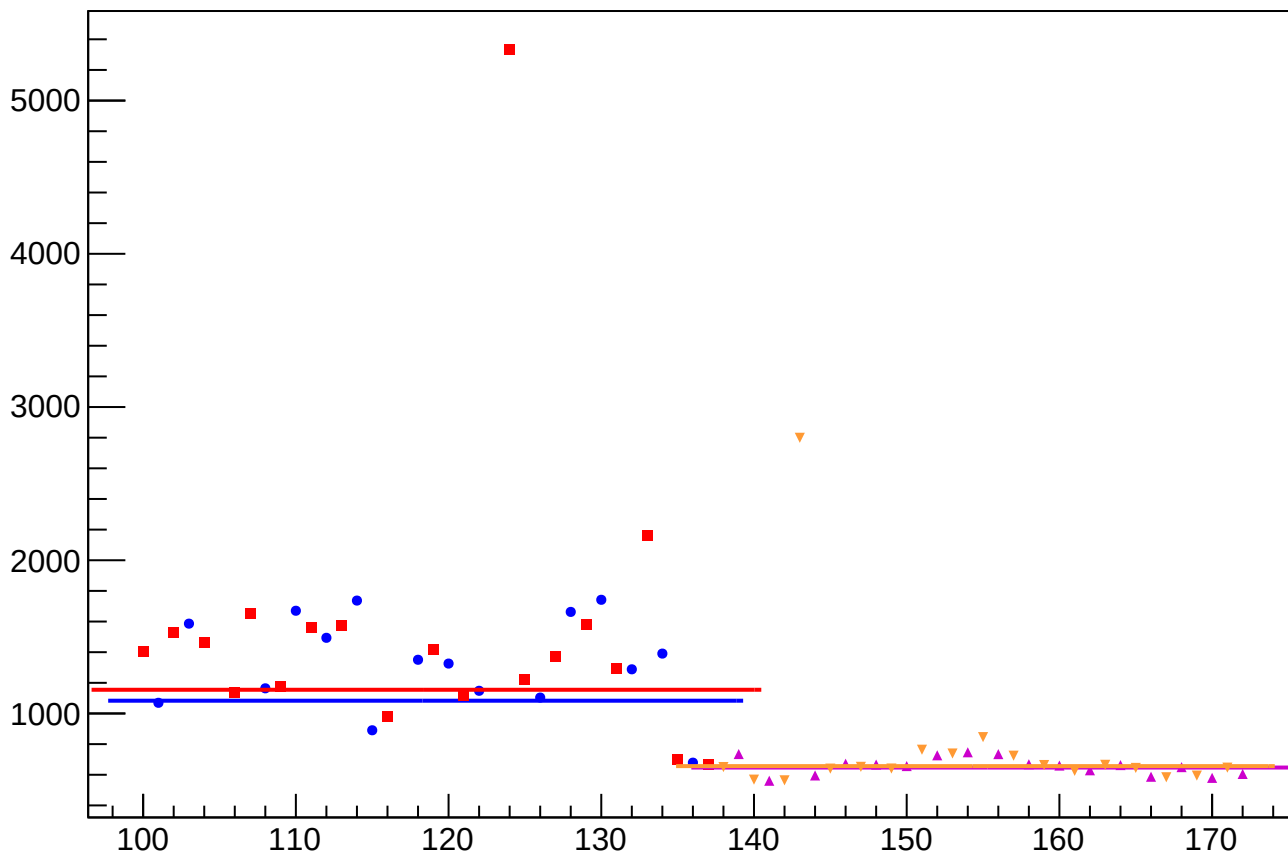
Left In: 158.267+/-173.692 χ^2/NDF : 14.9/16

+ sign 802.256+/-164.309 χ^2/NDF : 72.8/33

All: 505.444+/-115.335 χ^2/NDF : 112.1/69

- sign 217.153+/-161.934 χ^2/NDF : 32.9/35

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1083.341 $\pm$ 0.301 χ^2 /NDF: 1360095.7/15

Left Out: 656.452 $\pm$ 0.126 χ^2 /NDF: 1220524.1/17

Right Out: 1154.732 $\pm$ 0.317 χ^2 /NDF: 1488251.4/18

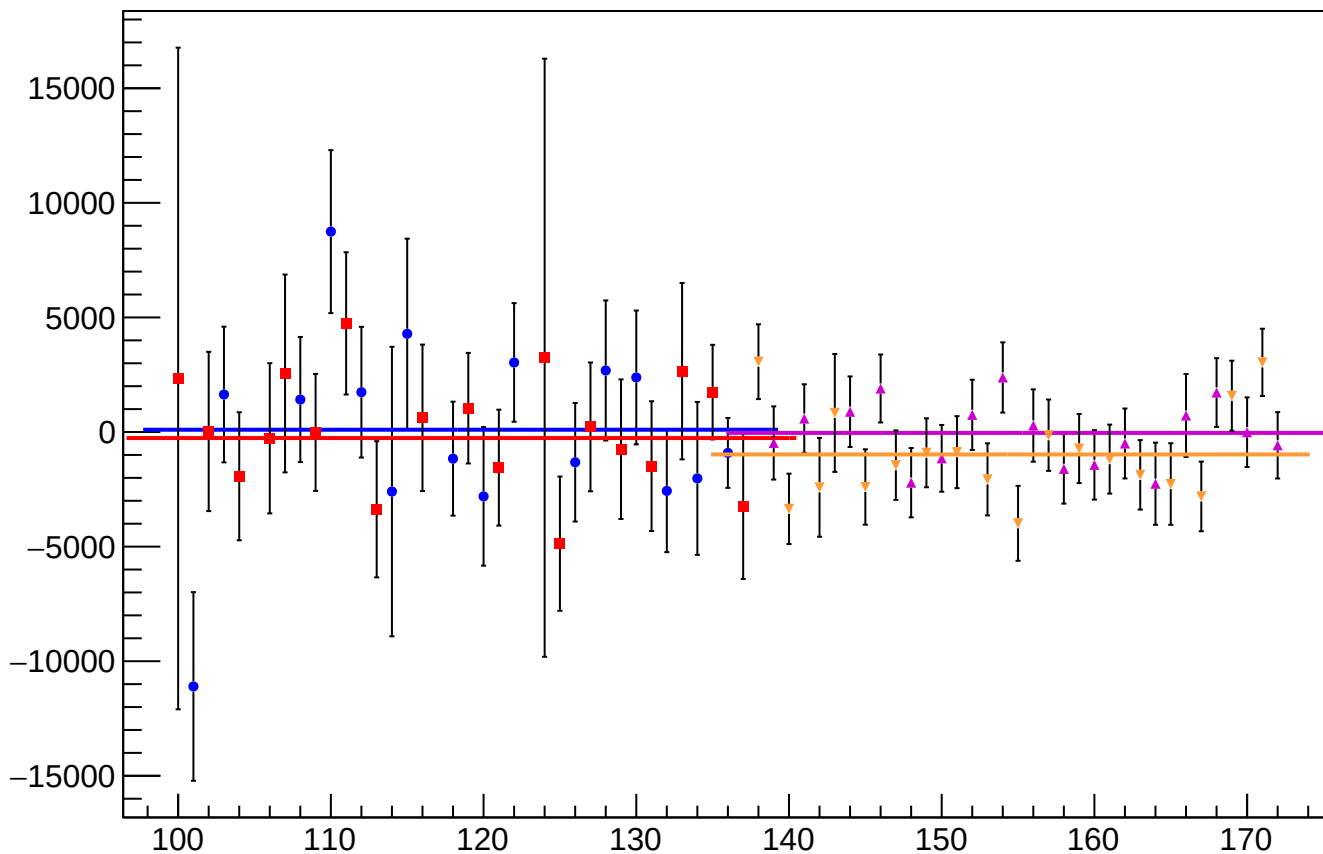
Left In: 647.124 $\pm$ 0.123 χ^2 /NDF: 204712.5/16

+ sign 720.192 $\pm$ 0.116 χ^2 /NDF: 4295371.0/33

All: 716.809 $\pm$ 0.082 χ^2 /NDF: 8224394.5/69

- sign 713.523 $\pm$ 0.115 χ^2 /NDF: 3927351.8/35

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

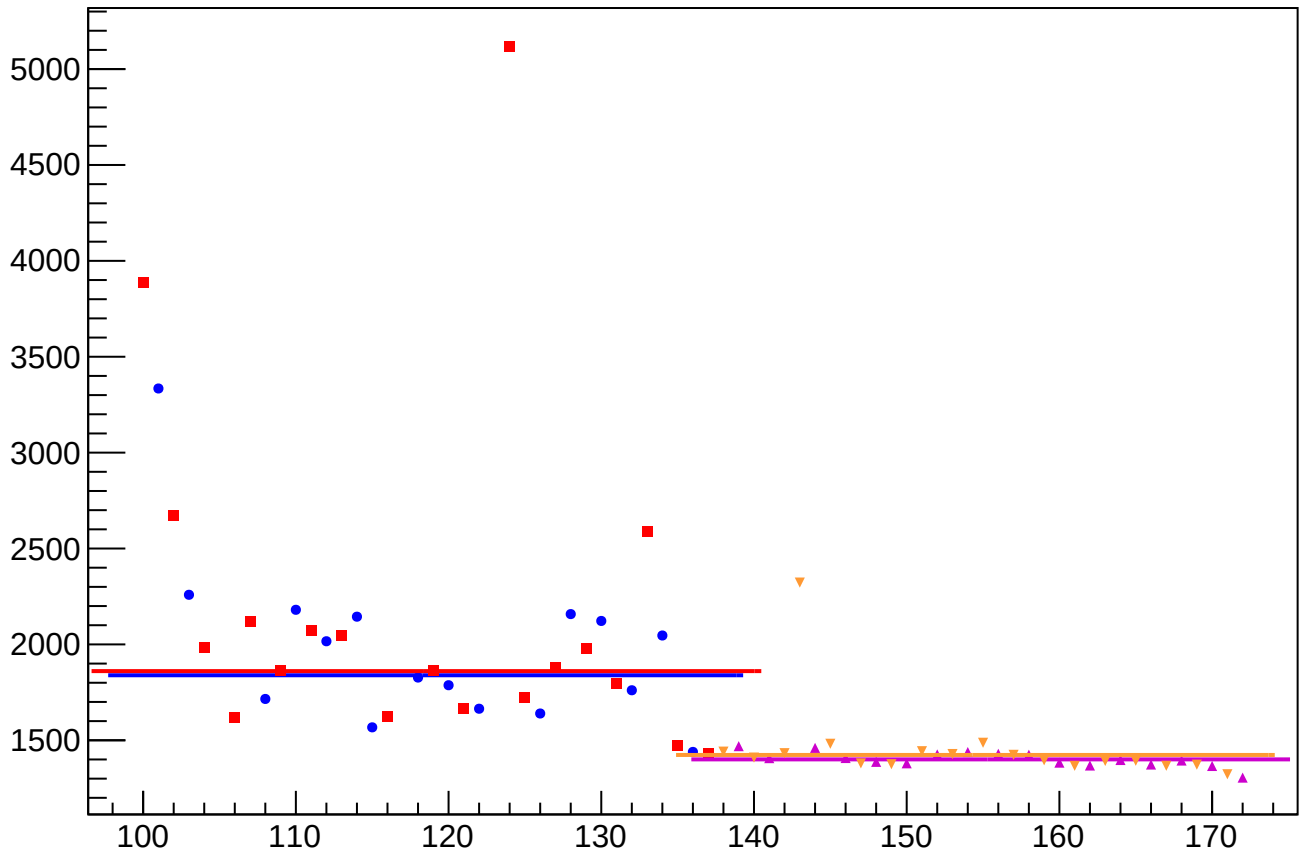
Left In: -38.667+/-373.987 χ^2/NDF : 13.0/16

+ sign -733.115+/-333.069 χ^2/NDF : 50.3/33

All: -407.635+/-234.363 χ^2/NDF : 75.6/69

- sign -88.452+/-329.832 χ^2/NDF : 23.4/35

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1839.113 $\pm$ 0.494 χ^2 /NDF: 556725.4/15

Left Out: 1423.537 $\pm$ 0.268 χ^2 /NDF: 273635.8/17

Right Out: 1860.754 $\pm$ 0.495 χ^2 /NDF: 522114.2/18

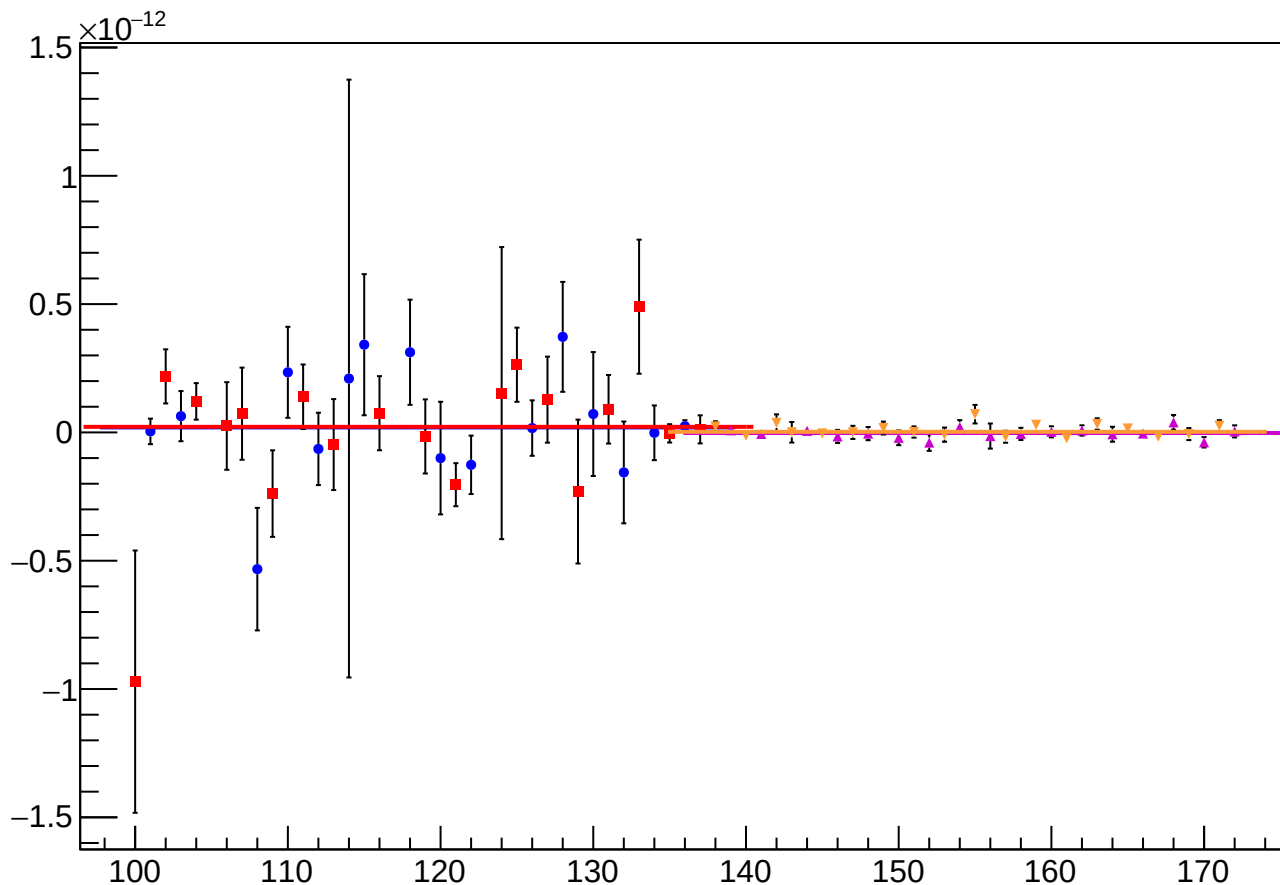
Left In: 1400.431 $\pm$ 0.264 χ^2 /NDF: 21658.6/16

+ sign 1517.897 $\pm$ 0.236 χ^2 /NDF: 1376805.3/33

All: 1510.231 $\pm$ 0.166 χ^2 /NDF: 2595934.5/69

- sign 1502.713 $\pm$ 0.233 χ^2 /NDF: 1217030.6/35

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/18

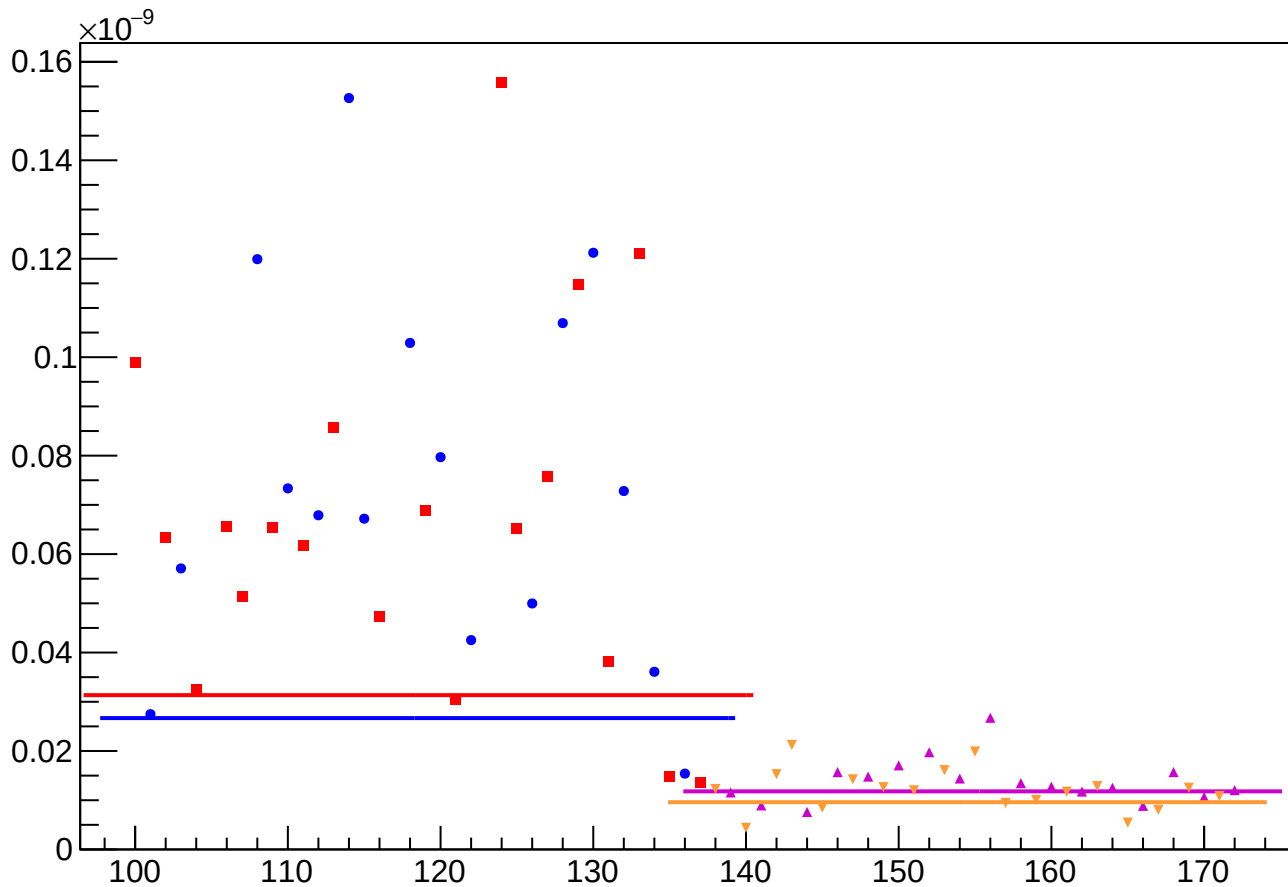
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 74.7/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/35

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2580672.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1397609.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2275167.3/18

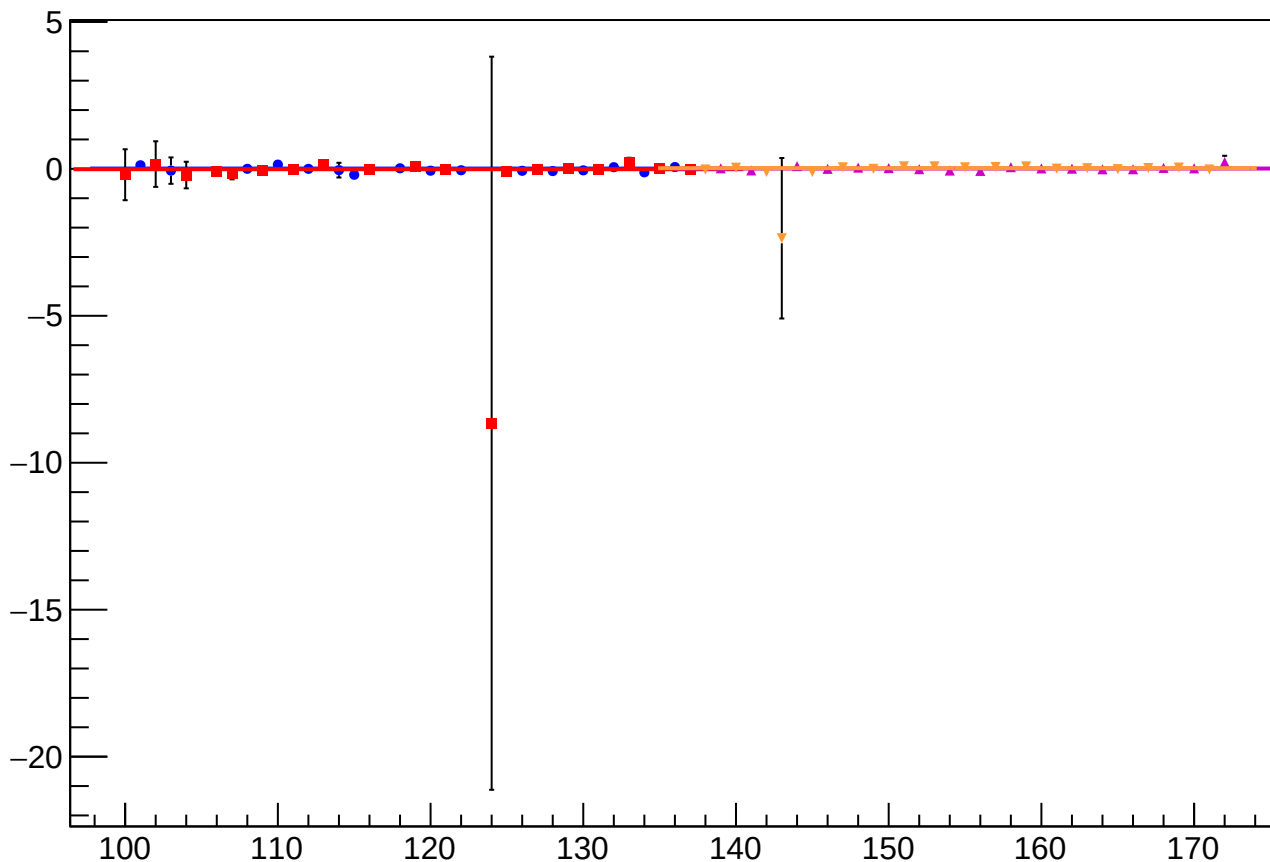
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:831975.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5532589.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10310524.1/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4560703.1/35

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 $\pm$ 0.016 χ^2 /NDF: 19.3/15

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:18.1/17

Right Out: -0.012 $\pm$ 0.017 χ^2 /NDF: 12.6/18

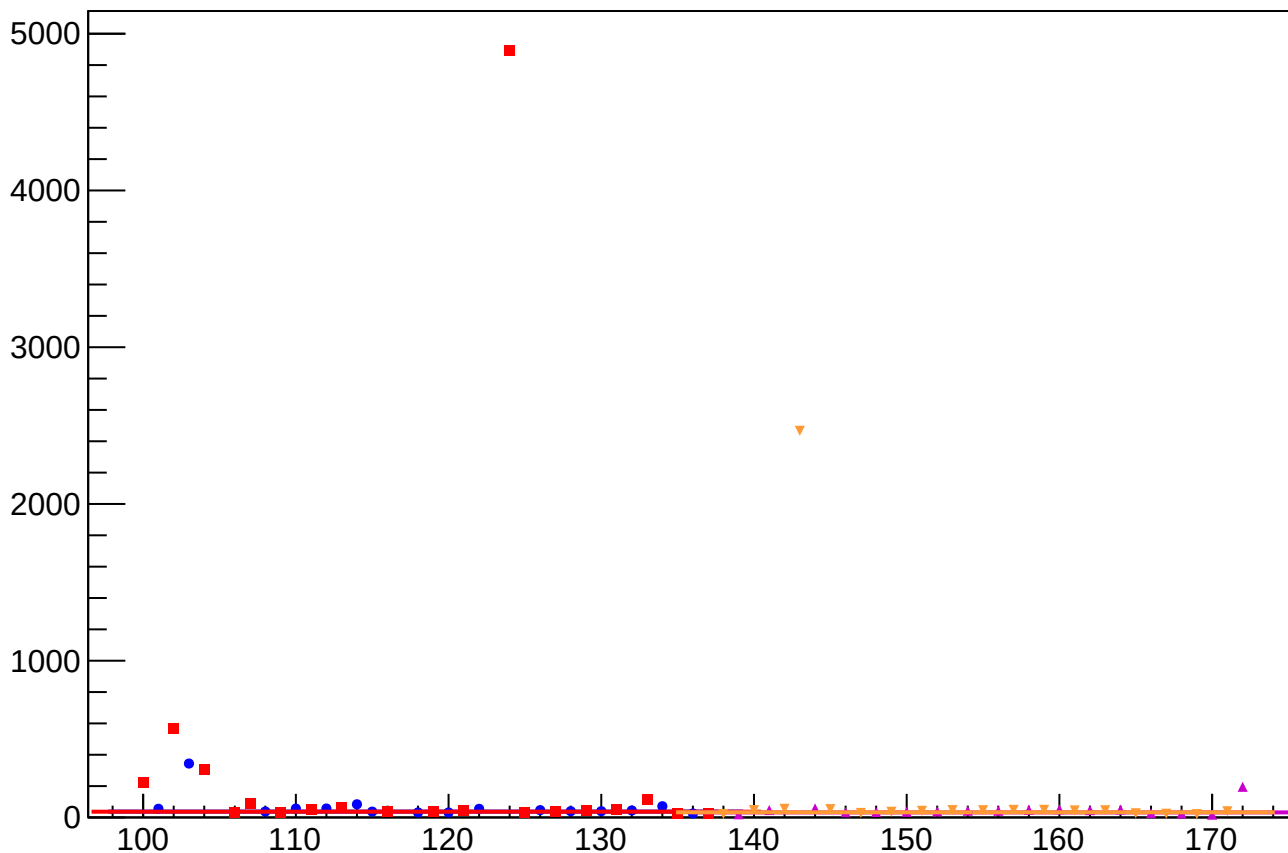
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:11.8/16

+ sign 0.019 $\pm$ 0.009 χ^2 /NDF: 37.9/33

All: 0.011 $\pm$ 0.006 χ^2 /NDF: 65.1/69

- sign 0.004 $\pm$ 0.009 χ^2 /NDF: 25.8/35

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 32.975 $\pm$ 0.007 χ^2 /NDF: 3975971.6/17

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

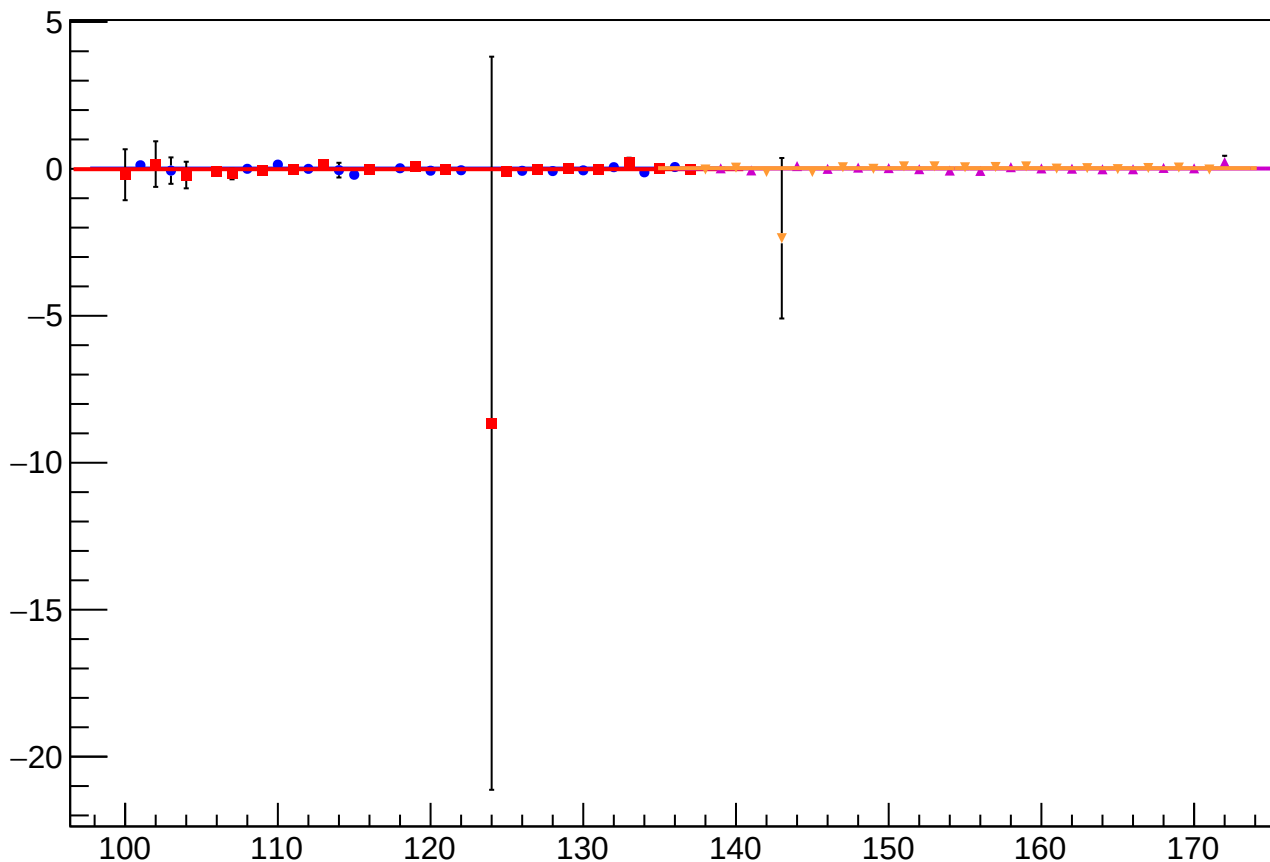
Left In: 32.231 $\pm$ 0.007 χ^2 /NDF: 3841713.7/16

+ sign 34.281 $\pm$ 0.006 χ^2 /NDF: 6071595.1/33

All: 33.852 $\pm$ 0.004 χ^2 /NDF: 13223265.9/69

- sign 33.433 $\pm$ 0.006 χ^2 /NDF: 7141939.9/35

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

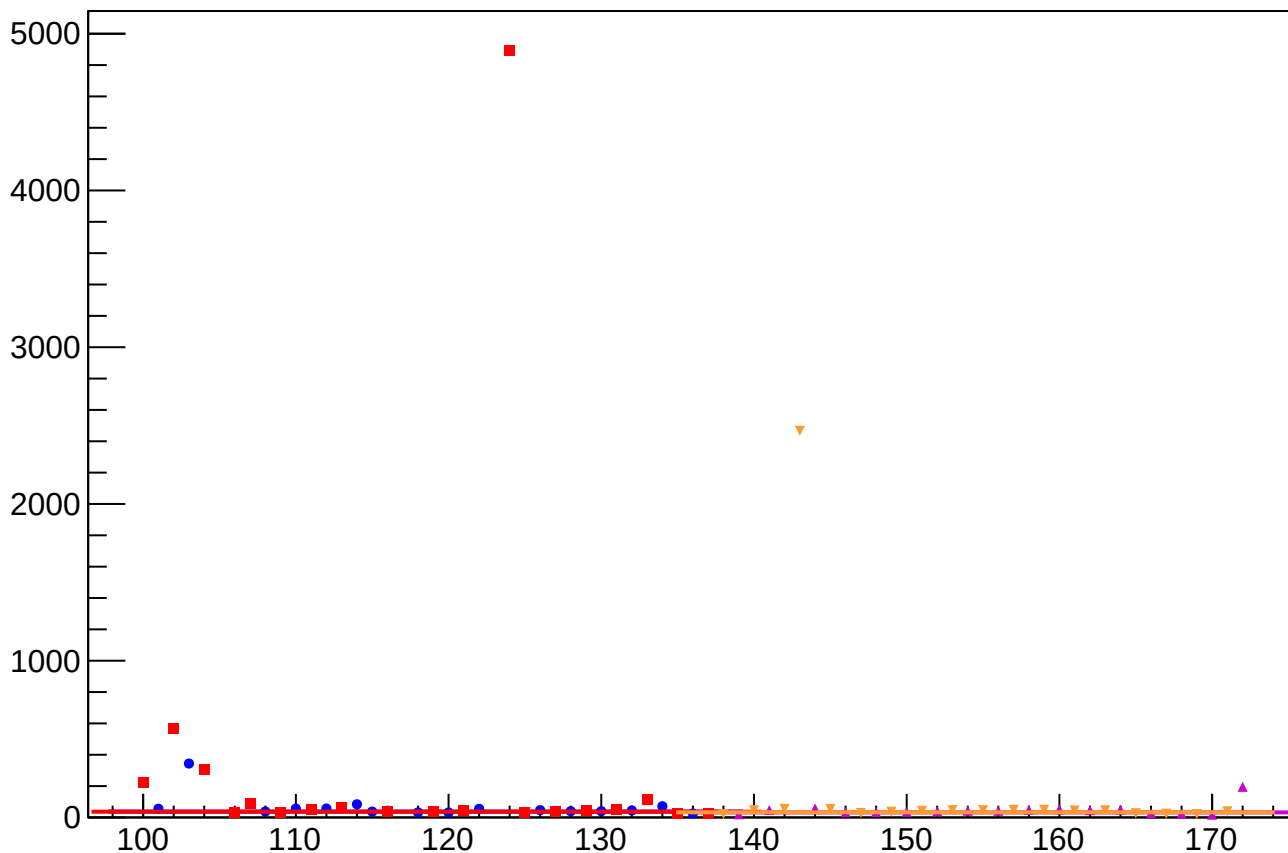
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 32.975 $\pm$ 0.007 χ^2 /NDF: 3975971.6/17

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

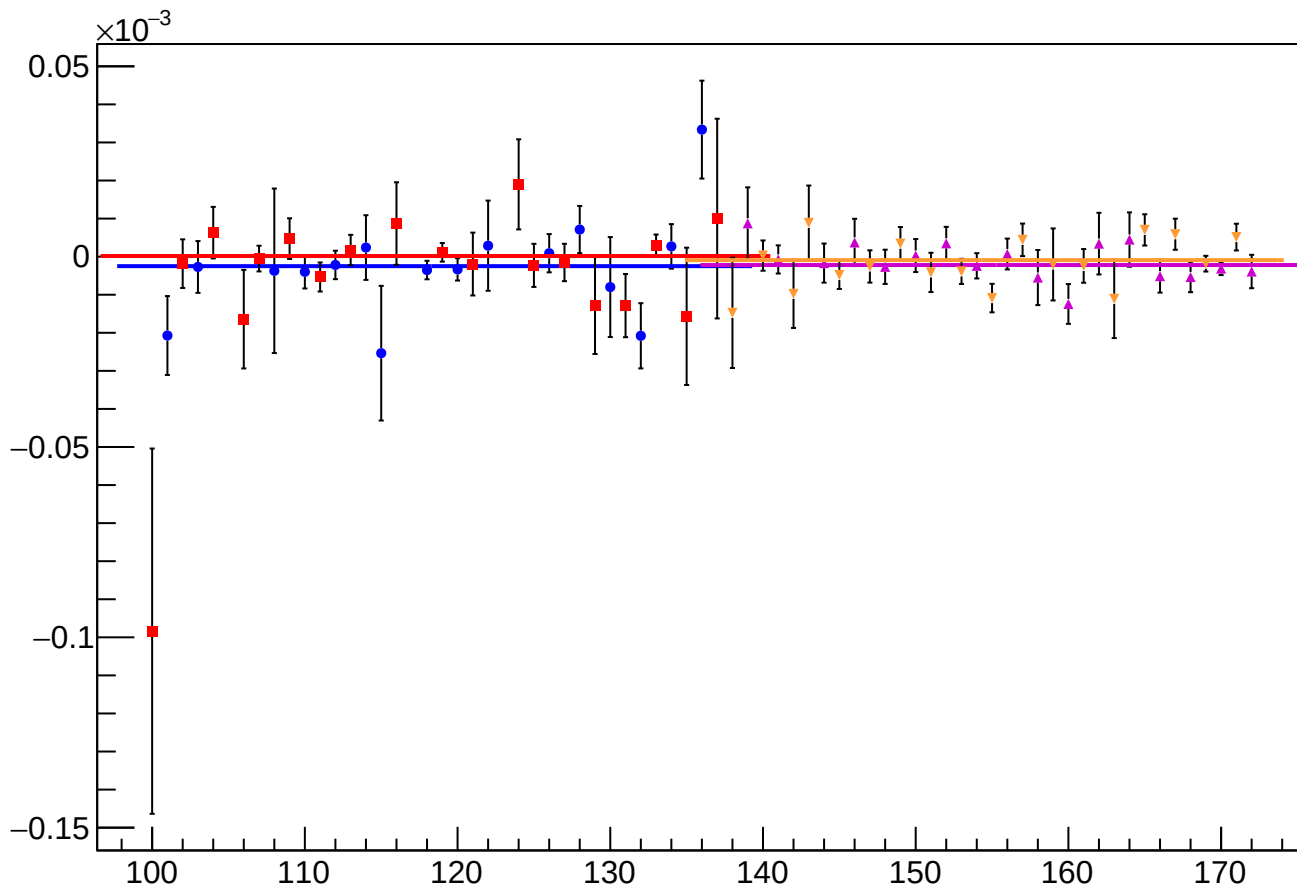
Left In: 32.231 $\pm$ 0.007 χ^2 /NDF: 3841713.7/16

+ sign 34.281 $\pm$ 0.006 χ^2 /NDF: 6071595.1/33

All: 33.852 $\pm$ 0.004 χ^2 /NDF: 13223265.9/69

- sign 33.433 $\pm$ 0.006 χ^2 /NDF: 7141939.9/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/18

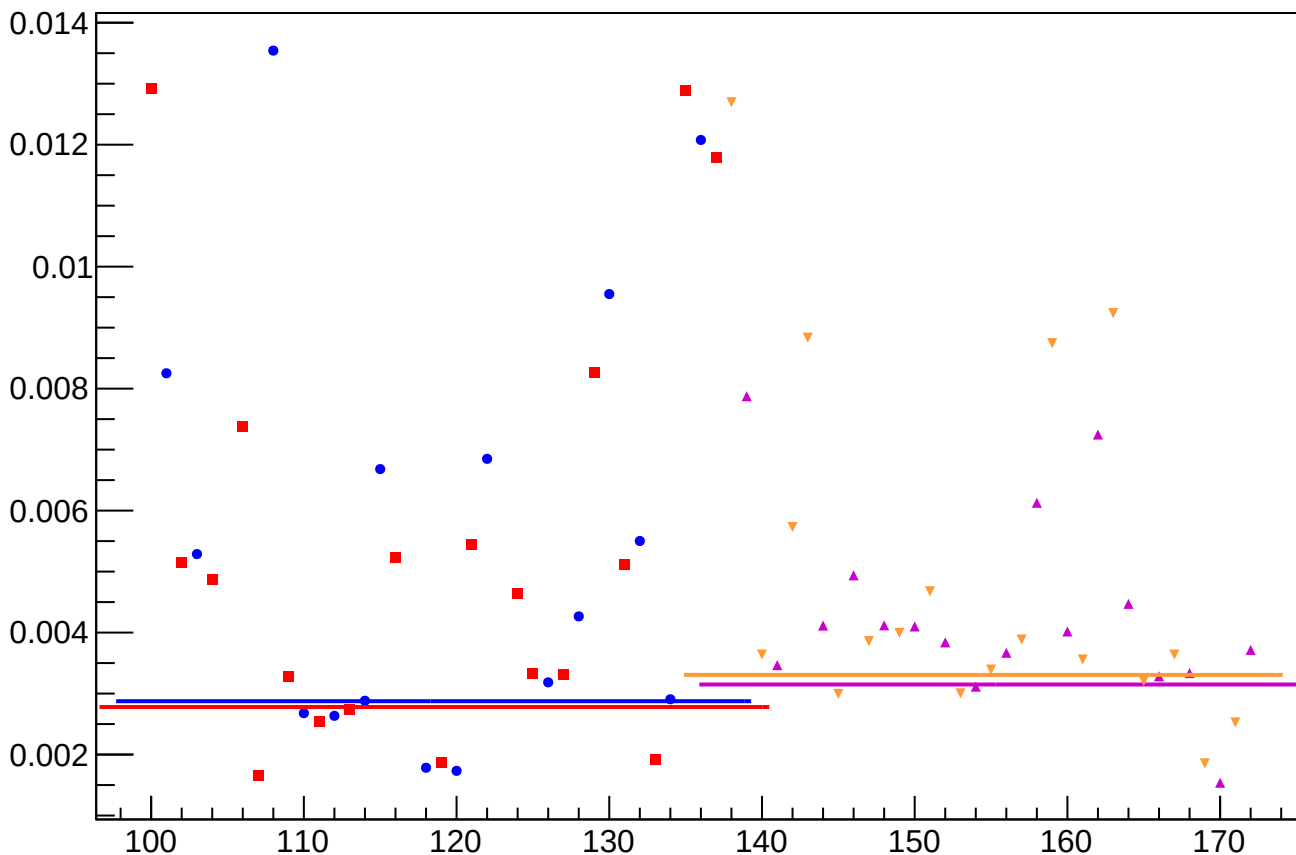
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.9/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 81.9/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 4358818.5/17

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

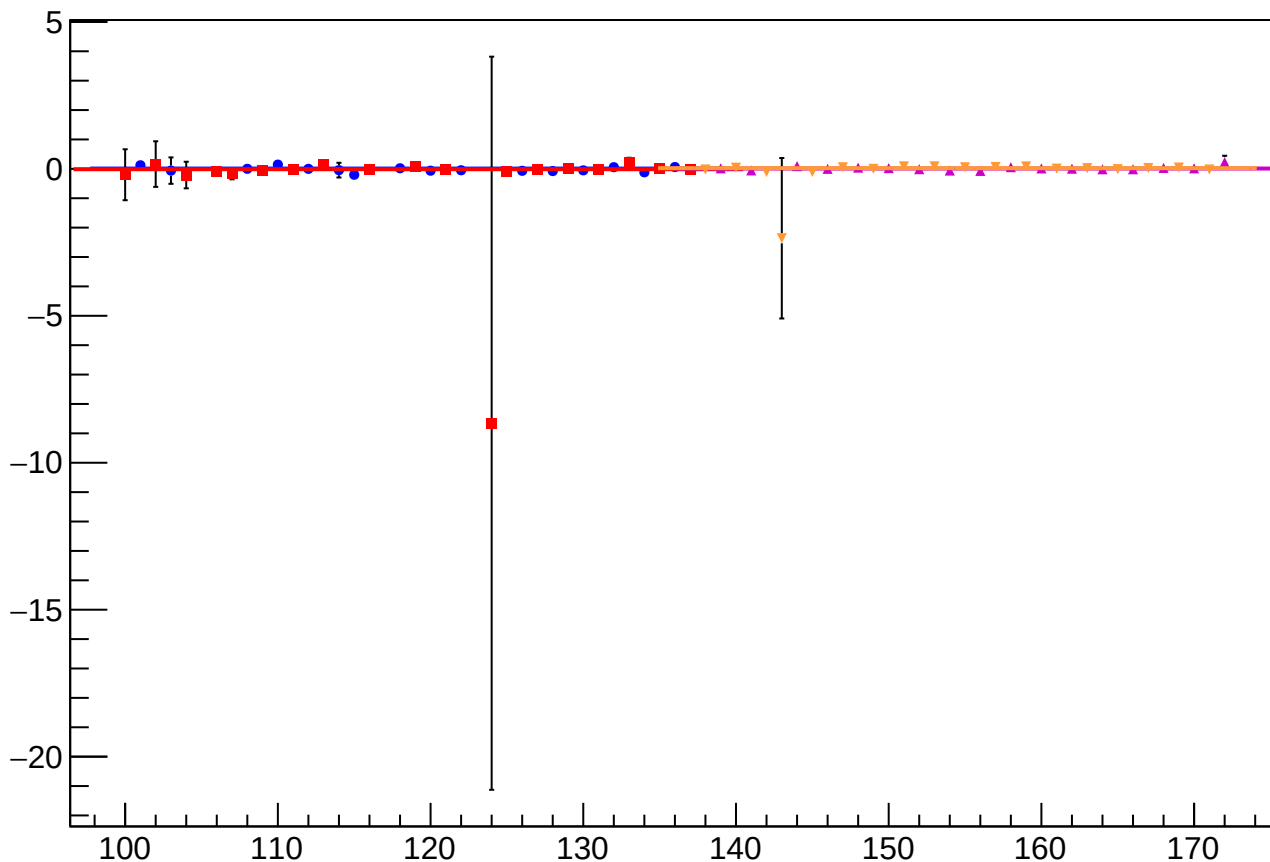
Left In: 0.003+/-0.000 χ^2/NDF : 3809638.2/16

+ sign 0.003+/-0.000 χ^2/NDF : 8650426.5/33

All: 0.003+/-0.000 χ^2/NDF : 15927523.5/69

- sign 0.003+/-0.000 χ^2/NDF : 7237983.0/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

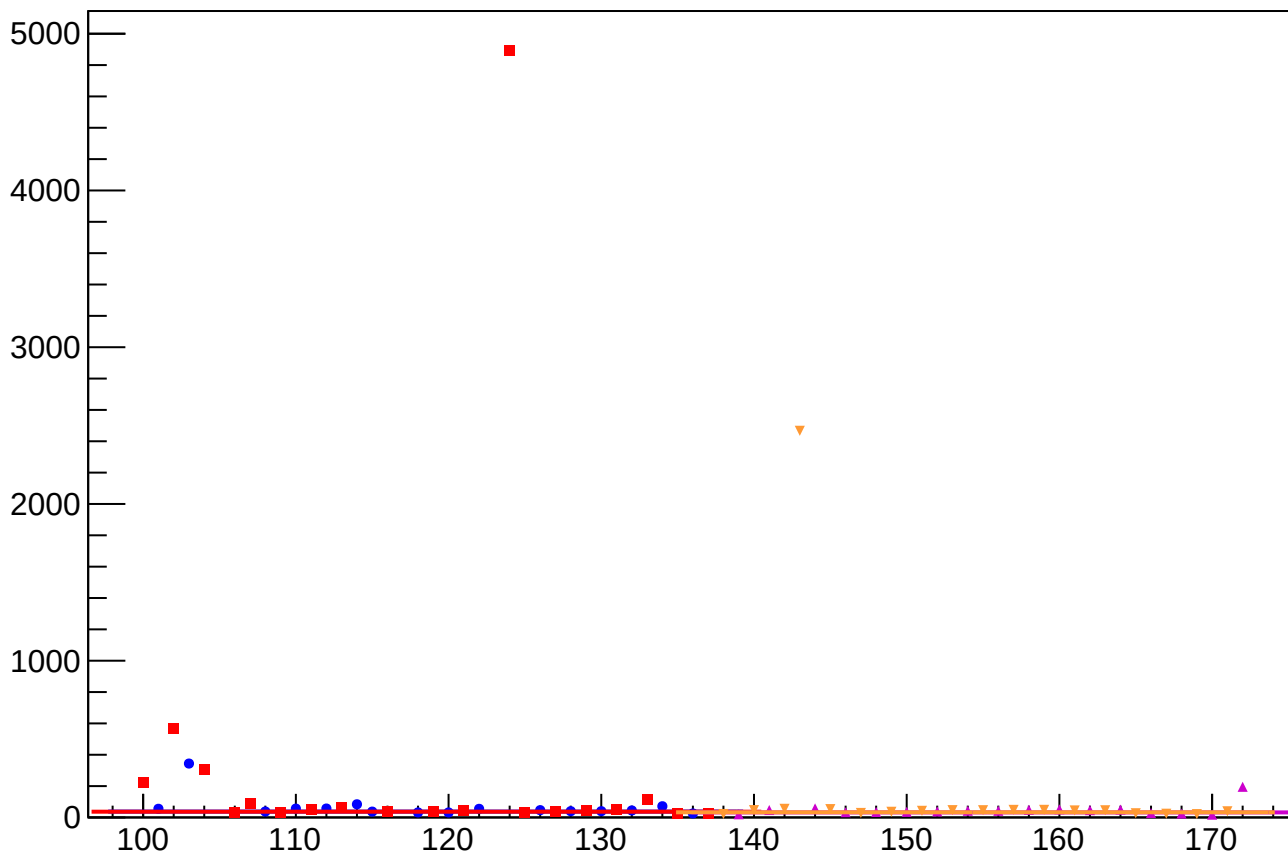
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 32.974 $\pm$ 0.007 χ^2 /NDF: 3976031.3/17

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

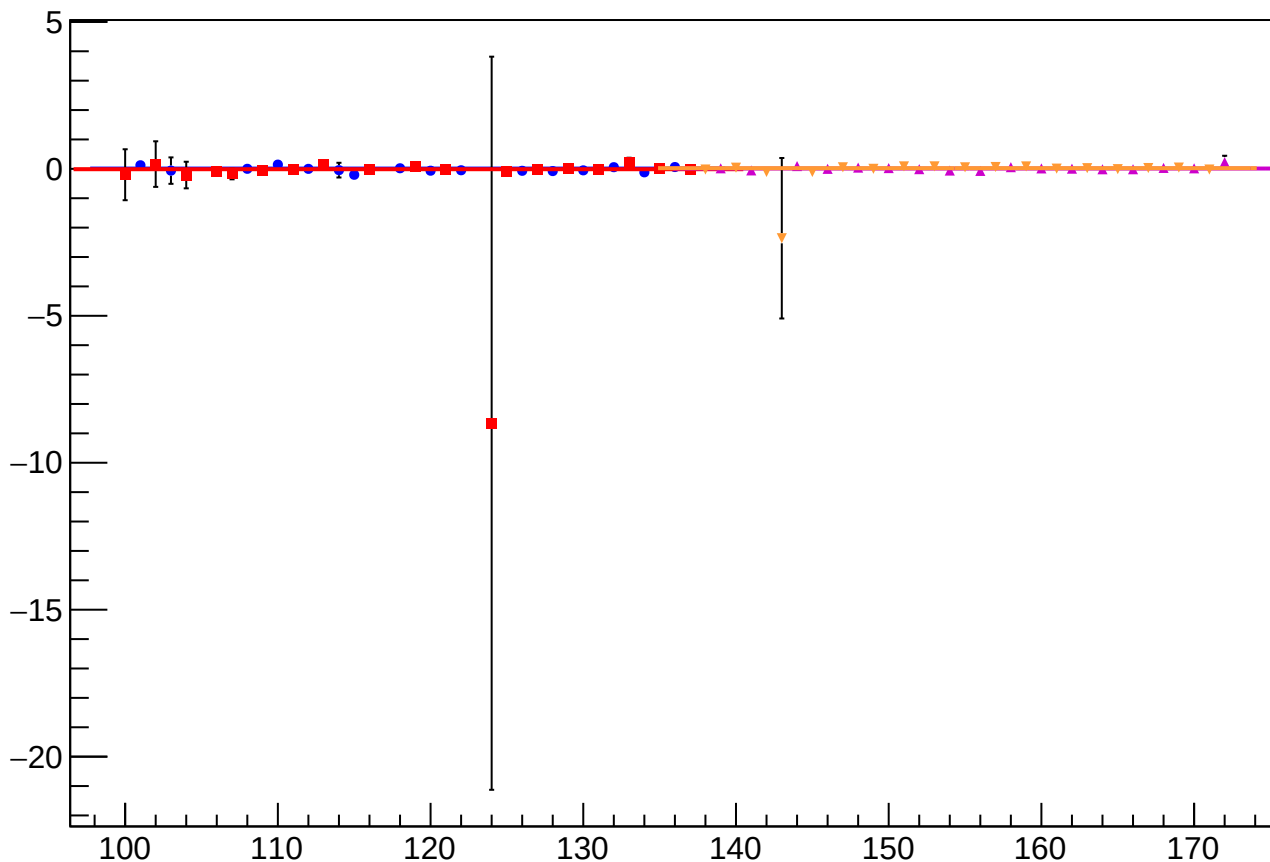
Left In: 32.234 $\pm$ 0.007 χ^2 /NDF: 3840563.7/16

+ sign 34.280 $\pm$ 0.006 χ^2 /NDF: 6071657.9/33

All: 33.853 $\pm$ 0.004 χ^2 /NDF: 13221787.0/69

- sign 33.435 $\pm$ 0.006 χ^2 /NDF: 7140458.8/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

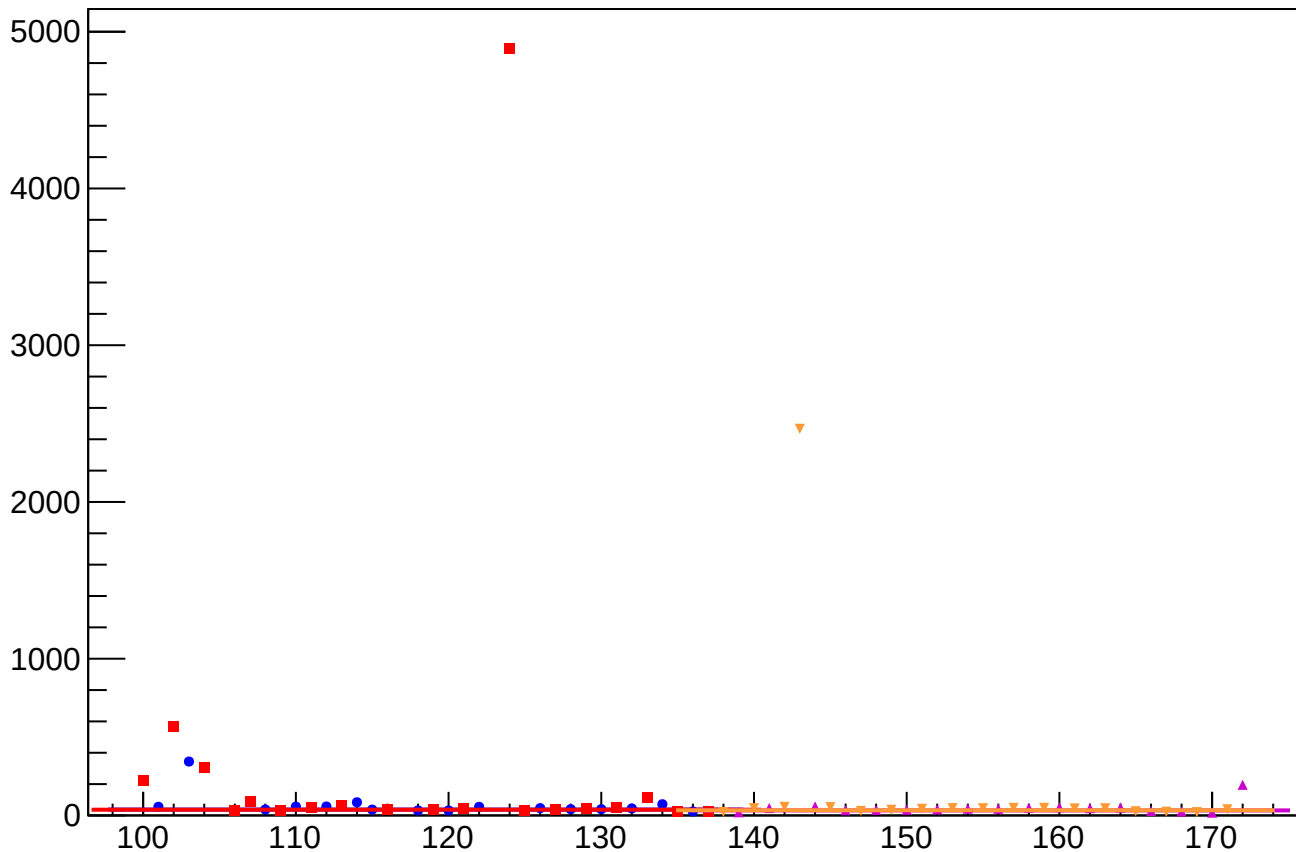
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 32.974 $\pm$ 0.007 χ^2 /NDF: 3976031.3/17

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

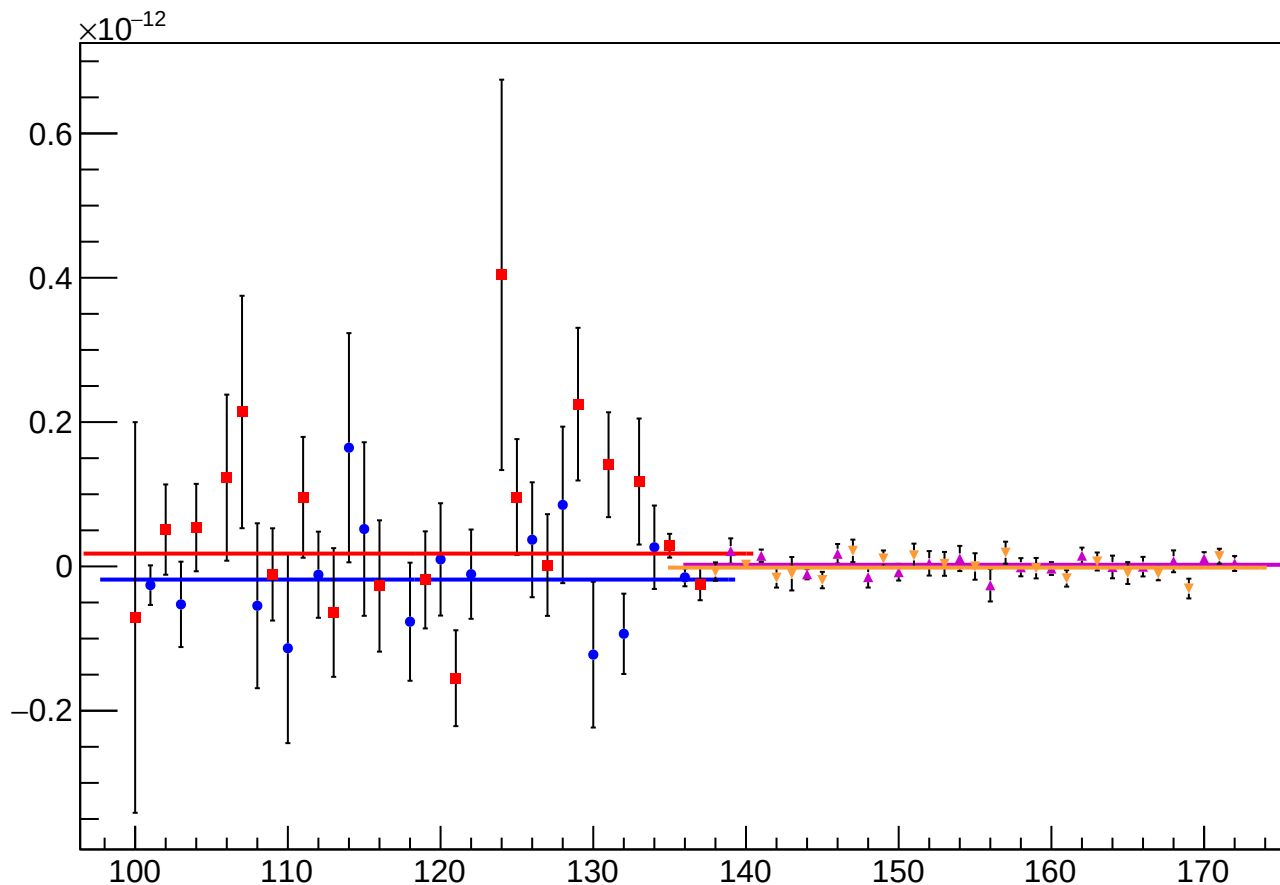
Left In: 32.234 $\pm$ 0.007 χ^2 /NDF: 3840563.7/16

+ sign 34.280 $\pm$ 0.006 χ^2 /NDF: 6071657.9/33

All: 33.853 $\pm$ 0.004 χ^2 /NDF: 13221787.0/69

- sign 33.435 $\pm$ 0.006 χ^2 /NDF: 7140458.8/35

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:20.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/18

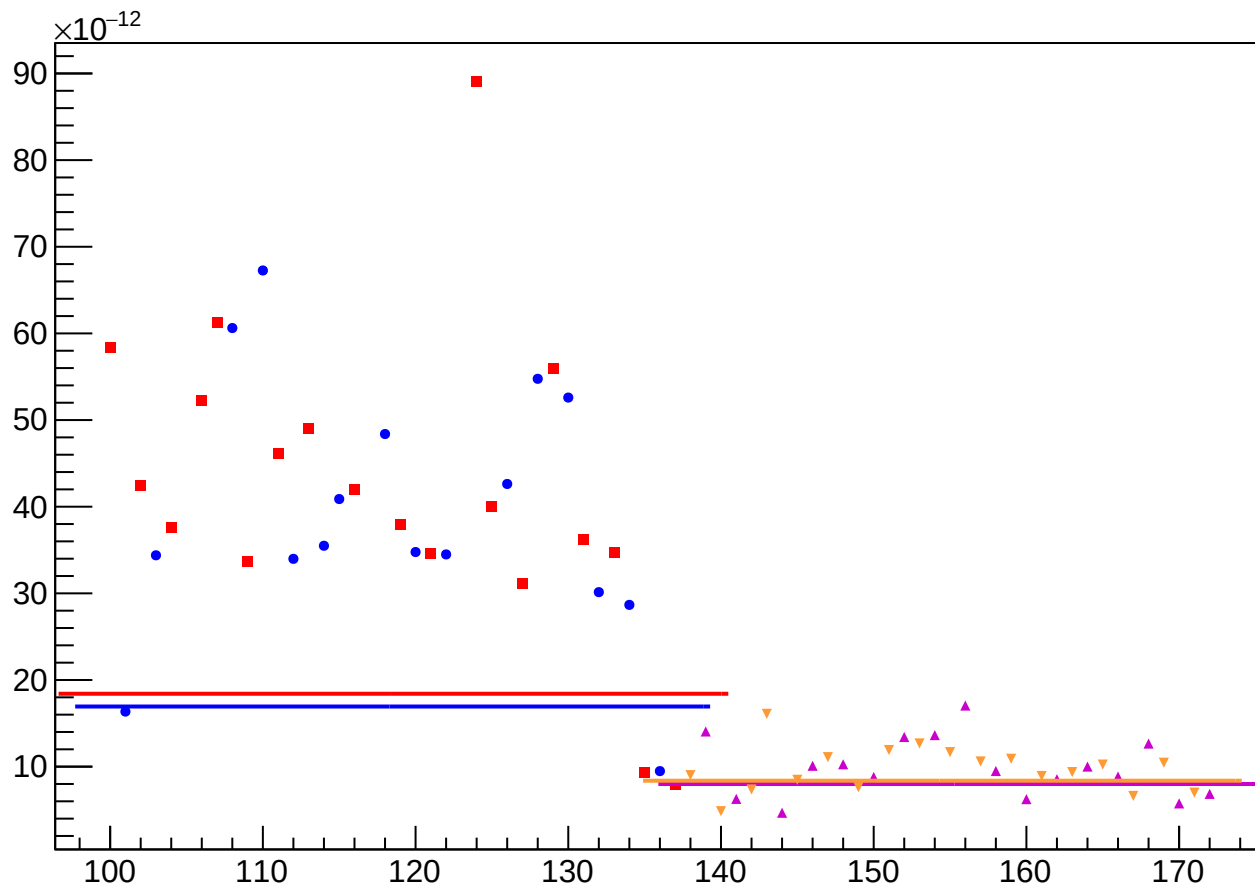
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.8/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.0/35

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

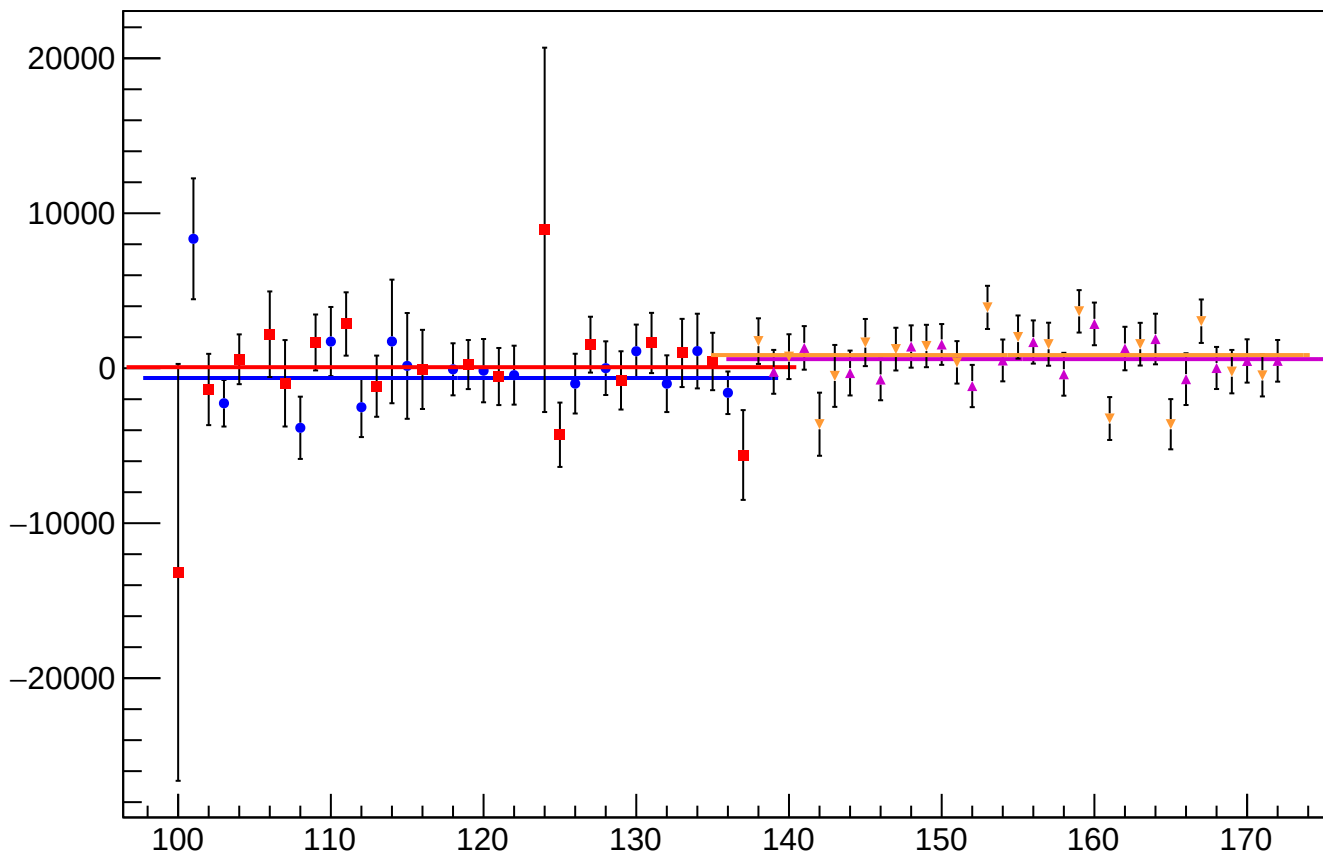
Left In: 0.000+/-0.000 χ^2/NDF : 2099597.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 6033128.3/33

All: 0.000+/-0.000 χ^2/NDF : 13497321.6/69

- sign 0.000+/-0.000 χ^2/NDF : 7441342.4/35

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

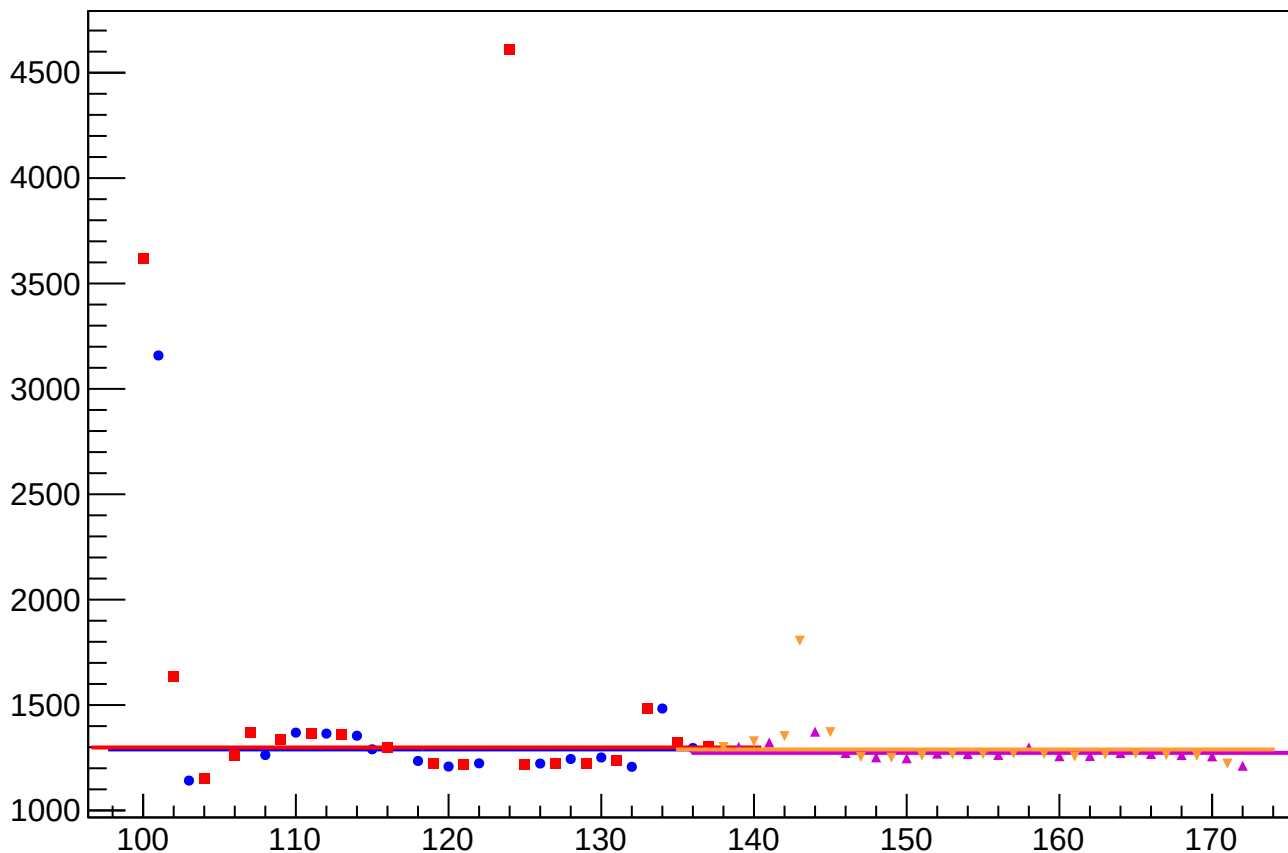
Left In: 587.016 ± 339.943 χ^2/NDF : 10.0/16

+ sign 362.118 ± 280.387 χ^2/NDF : 57.0/33

All: 389.814 ± 197.733 χ^2/NDF : 83.6/69

- sign 417.215 ± 278.892 χ^2/NDF : 26.6/35

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514675.0/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.9/17

Right Out: 1298.656 $\pm$ 0.344 χ^2 /NDF: 319374.9/18

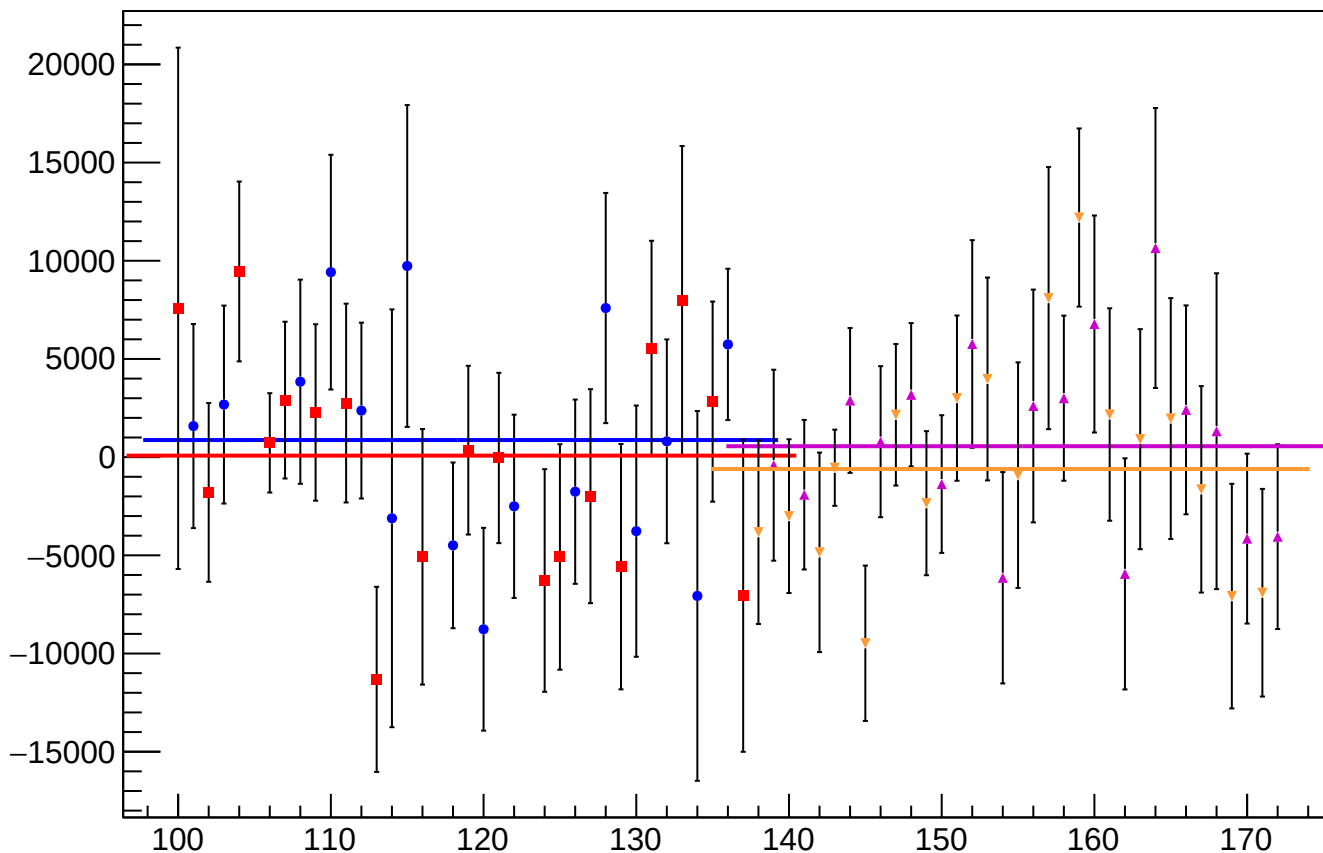
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671820.3/33

All: 1285.358 $\pm$ 0.140 χ^2 /NDF: 1015733.2/69

- sign 1281.472 $\pm$ 0.197 χ^2 /NDF: 343130.2/35

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



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

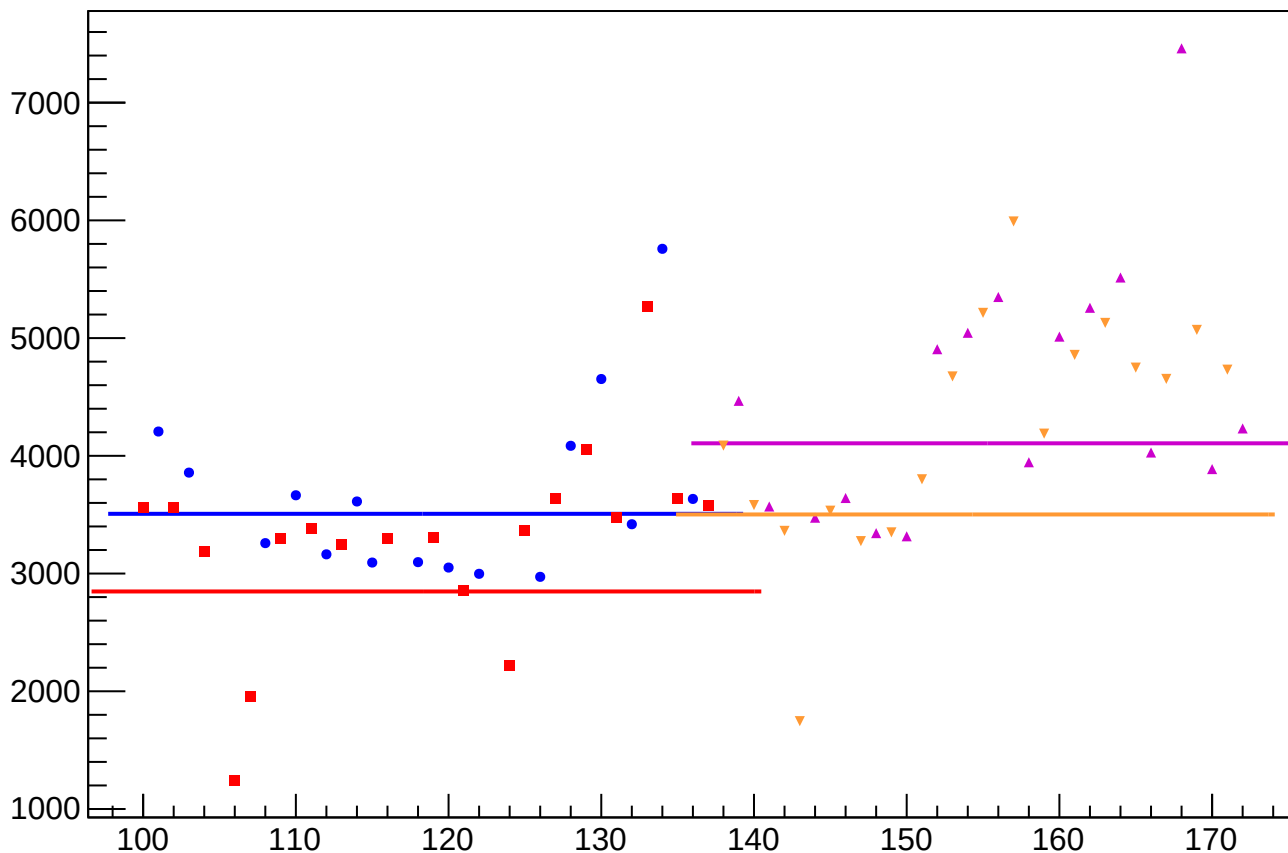
Left In: 556.387+/-1121.530 χ^2/NDF : 11.4/16

+ sign -77.057+/-792.861 χ^2/NDF : 36.7/33

All: 119.654+/-559.381 χ^2/NDF : 66.7/69

- sign 314.612+/-789.319 χ^2/NDF : 29.9/35

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3507.397 $\pm$ 0.937 χ^2 /NDF: 353979.1/15

Left Out: 3501.994 $\pm$ 0.700 χ^2 /NDF: 3030673.0/17

Right Out: 2847.833 $\pm$ 0.786 χ^2 /NDF: 1499373.6/18

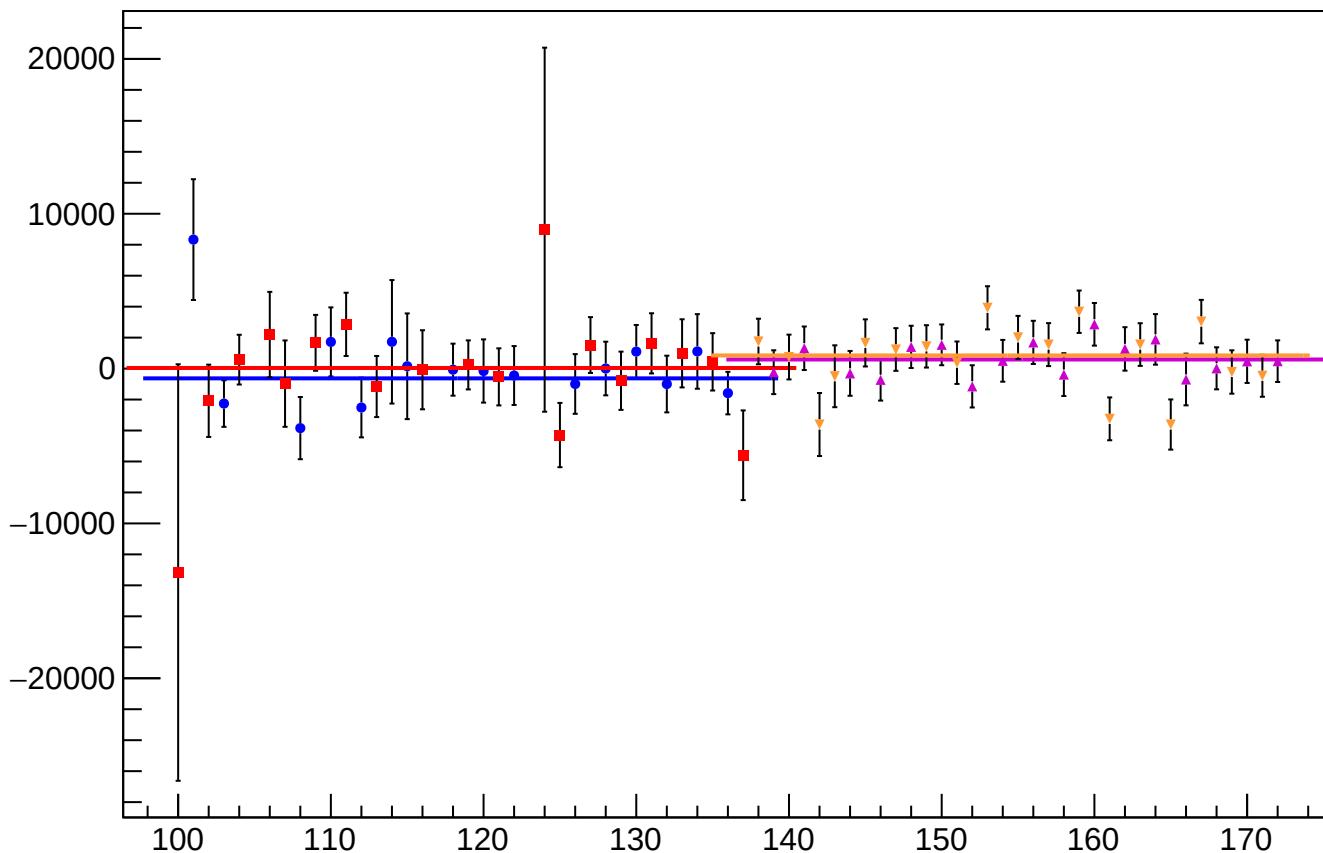
Left In: 4106.259 $\pm$ 0.793 χ^2 /NDF: 1088548.5/16

+ sign 3503.928 $\pm$ 0.561 χ^2 /NDF: 3384673.4/33

All: 3487.467 $\pm$ 0.396 χ^2 /NDF: 7245128.5/69

- sign 3471.153 $\pm$ 0.558 χ^2 /NDF: 3858738.6/35

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

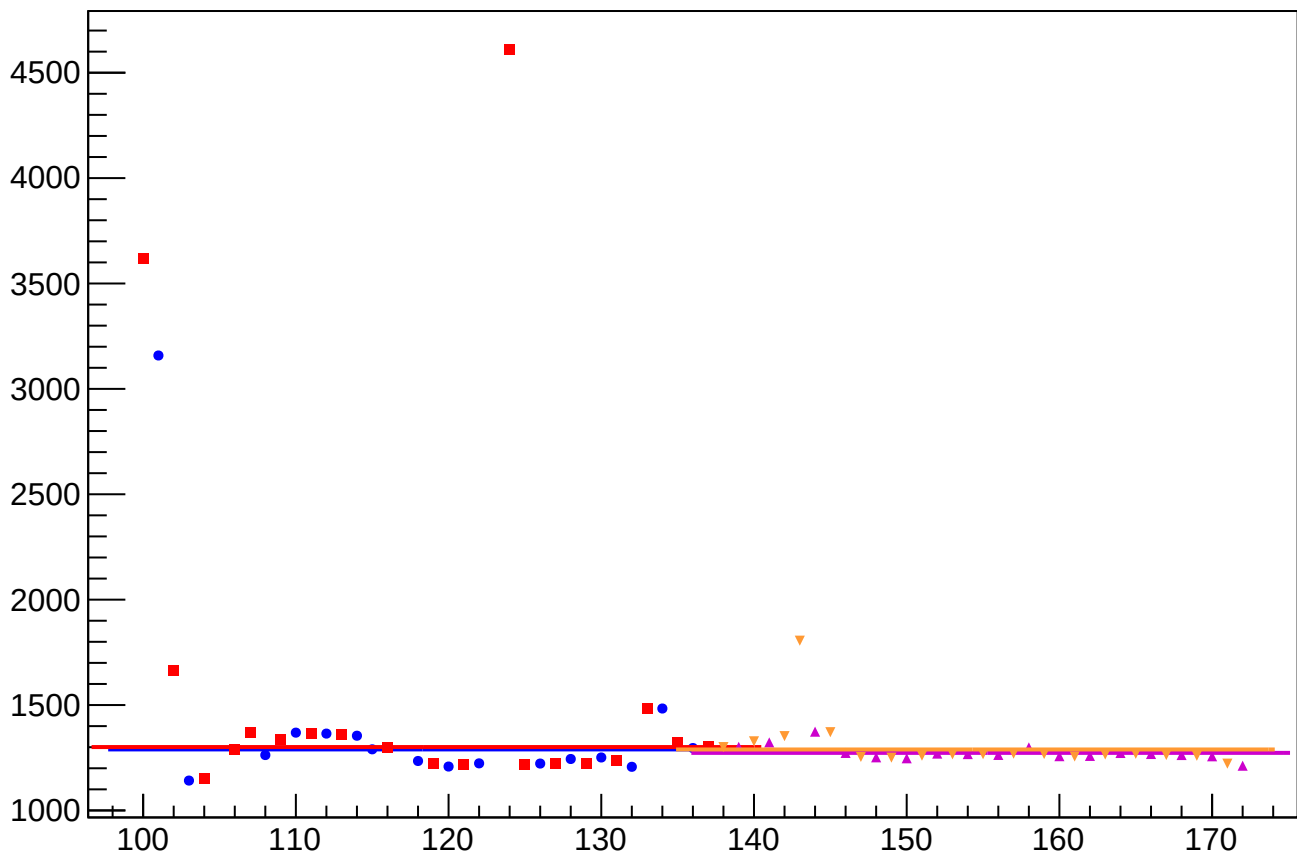
Left In: 586.987 ± 339.943 χ^2/NDF : 10.0/16

+ sign 362.015 ± 280.387 χ^2/NDF : 57.0/33

All: 385.059 ± 197.754 χ^2/NDF : 84.1/69

- sign 407.869 ± 278.952 χ^2/NDF : 27.1/35

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

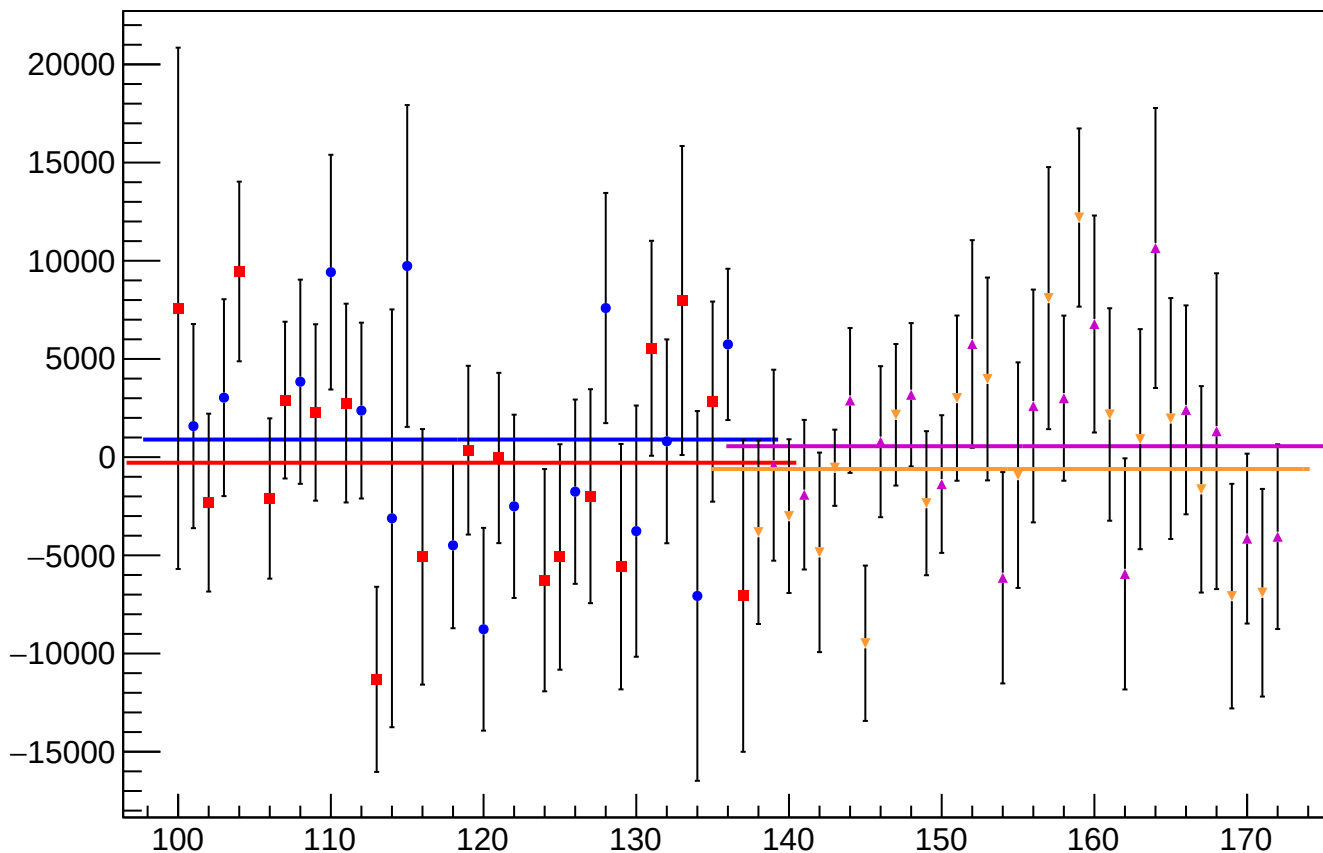
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 896.017 ± 1324.823 $\chi^2/\text{NDF}: 14.1/15$

Left Out: -605.046 ± 989.464 $\chi^2/\text{NDF}: 21.8/17$

Right Out: -283.963 ± 1183.171 $\chi^2/\text{NDF}: 18.6/18$

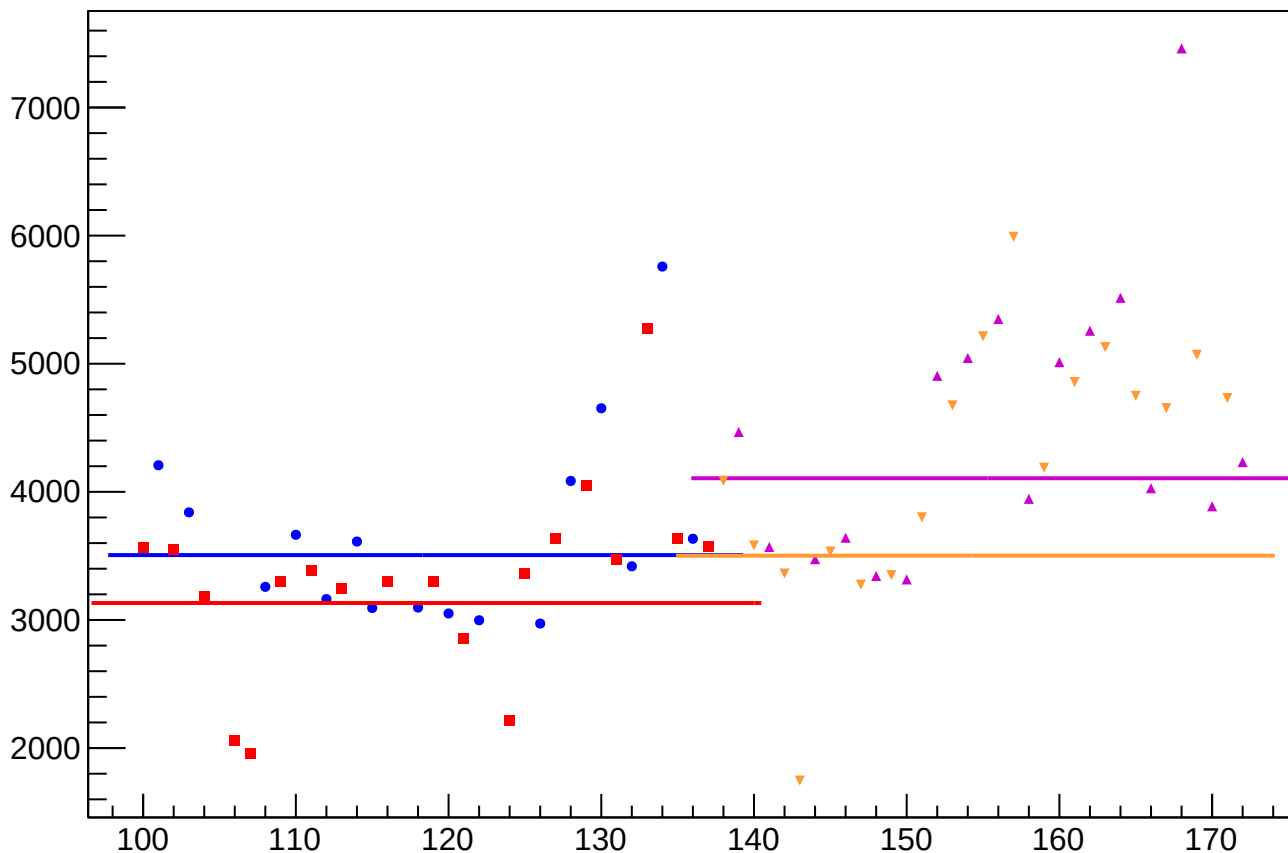
Left In: 556.396 ± 1121.529 $\chi^2/\text{NDF}: 11.4/16$

+ sign -67.557 ± 792.763 $\chi^2/\text{NDF}: 36.8/33$

All: 42.576 ± 567.914 $\chi^2/\text{NDF}: 67.1/69$

- sign 158.677 ± 813.960 $\chi^2/\text{NDF}: 30.3/35$

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2/NDF : 353237.7/15

Left Out: 3501.985 $\pm$ 0.700 χ^2/NDF : 3030703.1/17

Right Out: 3132.586 $\pm$ 0.837 χ^2/NDF : 649611.1/18

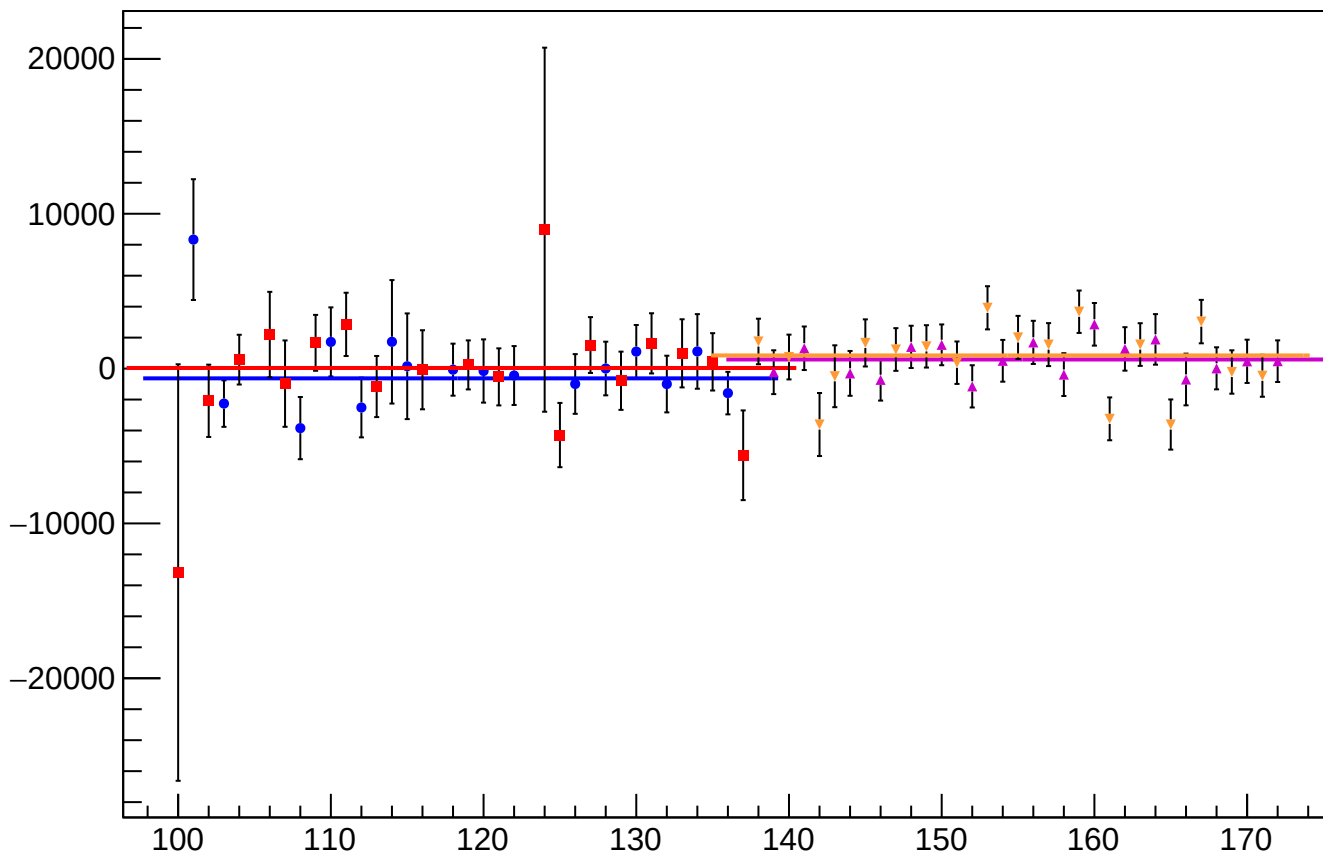
Left In: 4106.254 $\pm$ 0.793 χ^2/NDF : 1088550.0/16

+ sign 3503.596 $\pm$ 0.561 χ^2/NDF : 3383955.6/33

All: 3572.649 $\pm$ 0.402 χ^2/NDF : 5866702.8/69

- sign 3645.444 $\pm$ 0.576 χ^2/NDF : 2451576.1/35

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -631.427 $\pm$ 488.663 χ^2/NDF : 13.9/15

Left Out: 849.616 $\pm$ 342.350 χ^2/NDF : 36.9/17

Right Out: 38.623 $\pm$ 488.084 χ^2/NDF : 16.3/18

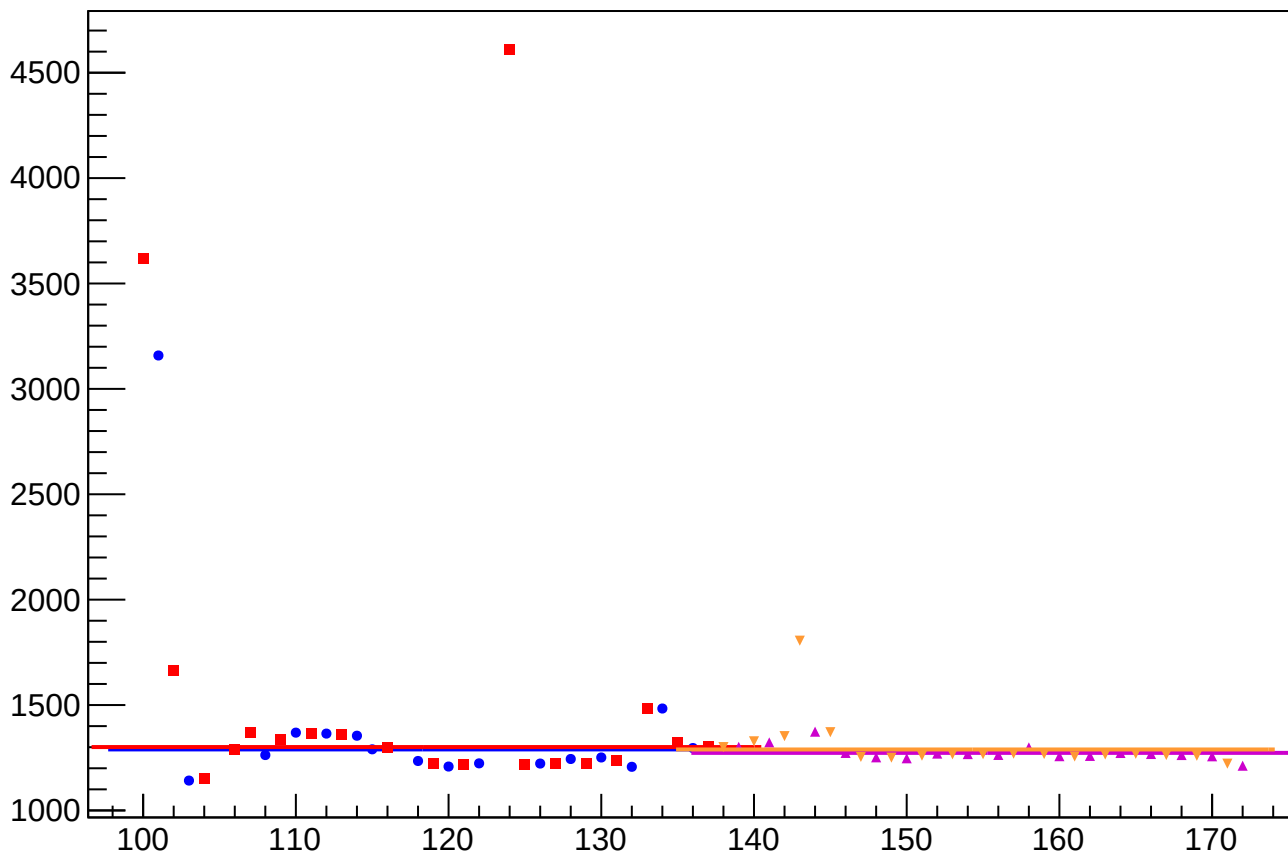
Left In: 586.987 $\pm$ 339.943 χ^2/NDF : 10.0/16

+ sign 362.015 $\pm$ 280.387 χ^2/NDF : 57.0/33

All: 385.059 $\pm$ 197.754 χ^2/NDF : 84.1/69

- sign 407.869 $\pm$ 278.952 χ^2/NDF : 27.1/35

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

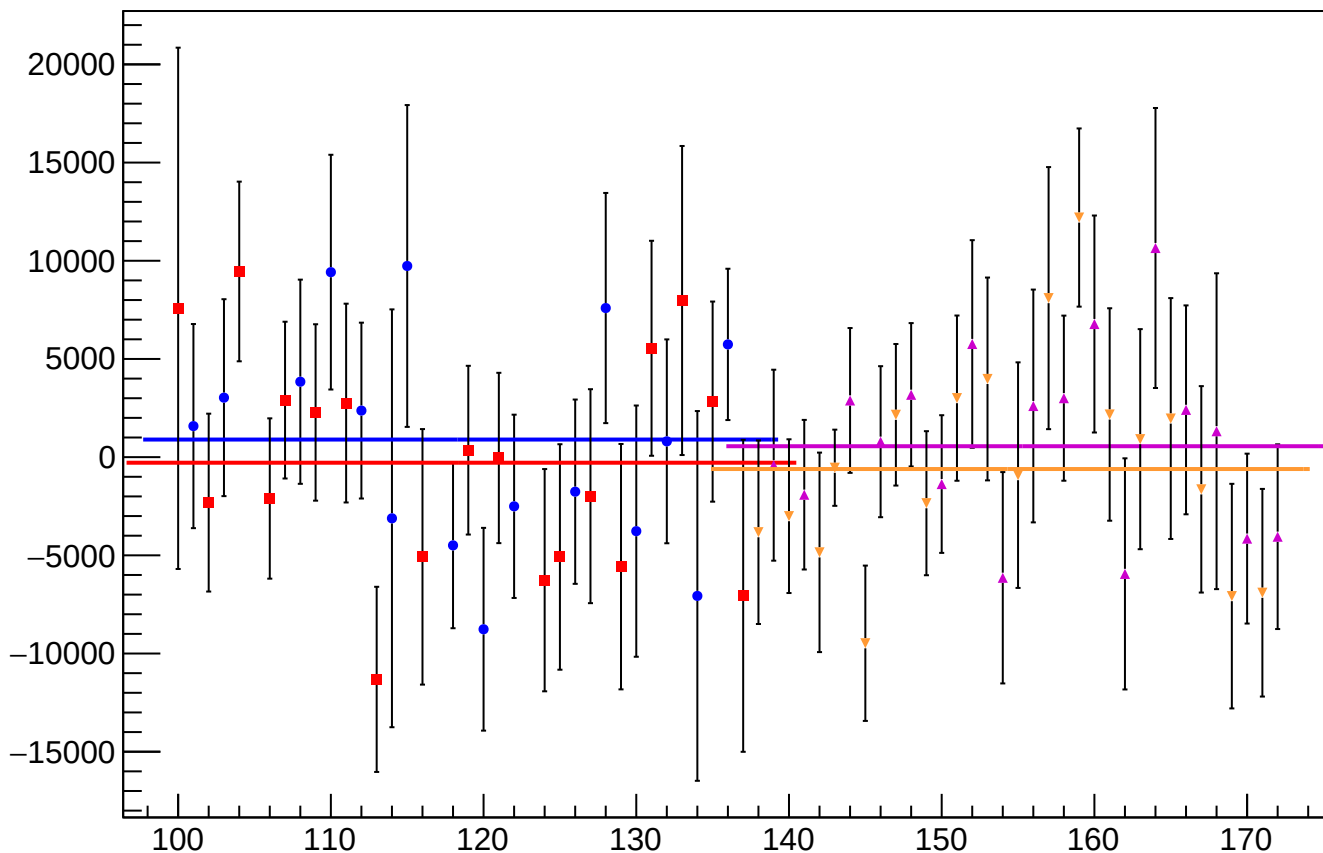
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -605.046 $\pm$ 989.464 χ^2 /NDF:21.8/17

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

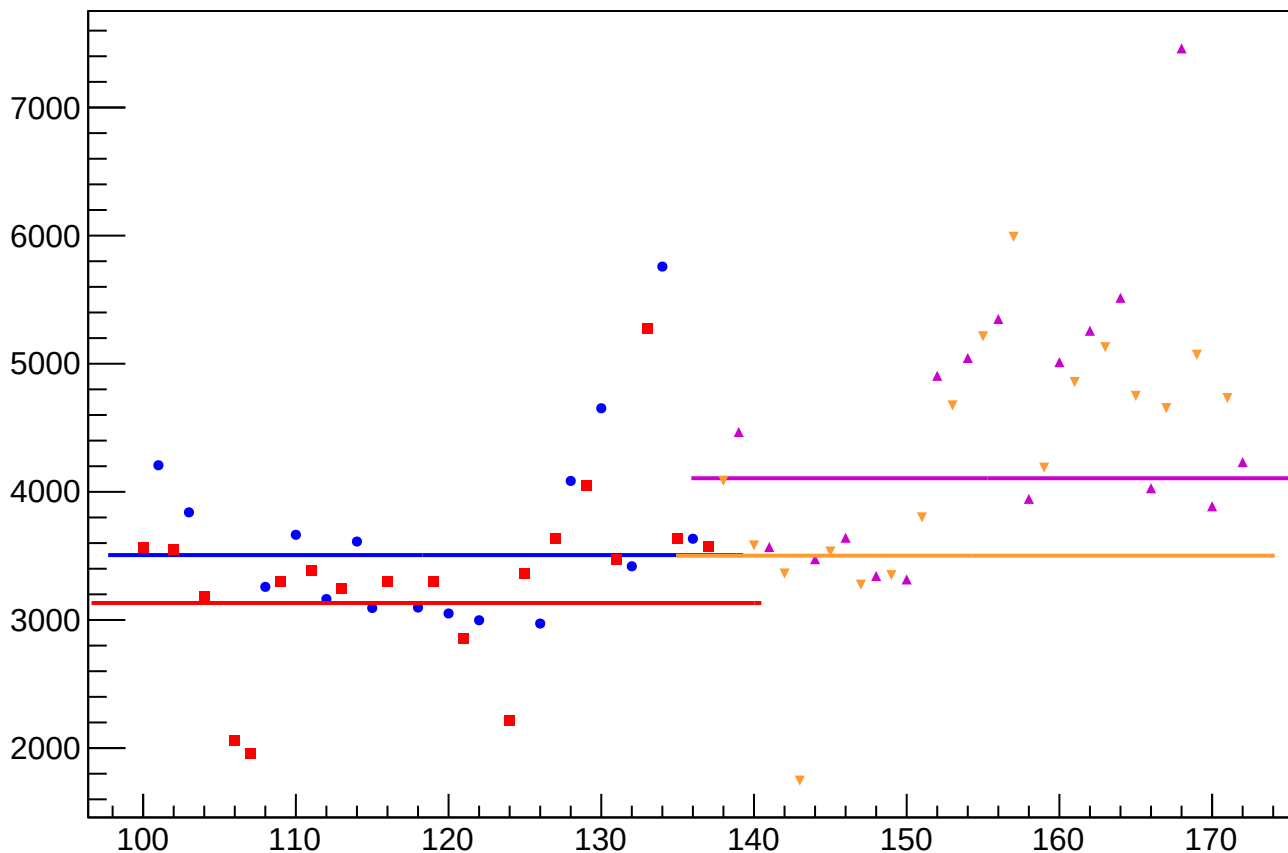
Left In: 556.396 $\pm$ 1121.529 χ^2 /NDF:11.4/16

+ sign -67.557 $\pm$ 792.763 χ^2 /NDF: 36.8/33

All: 42.576 $\pm$ 567.914 χ^2 /NDF: 67.1/69

- sign 158.677 $\pm$ 813.960 χ^2 /NDF: 30.3/35

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



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

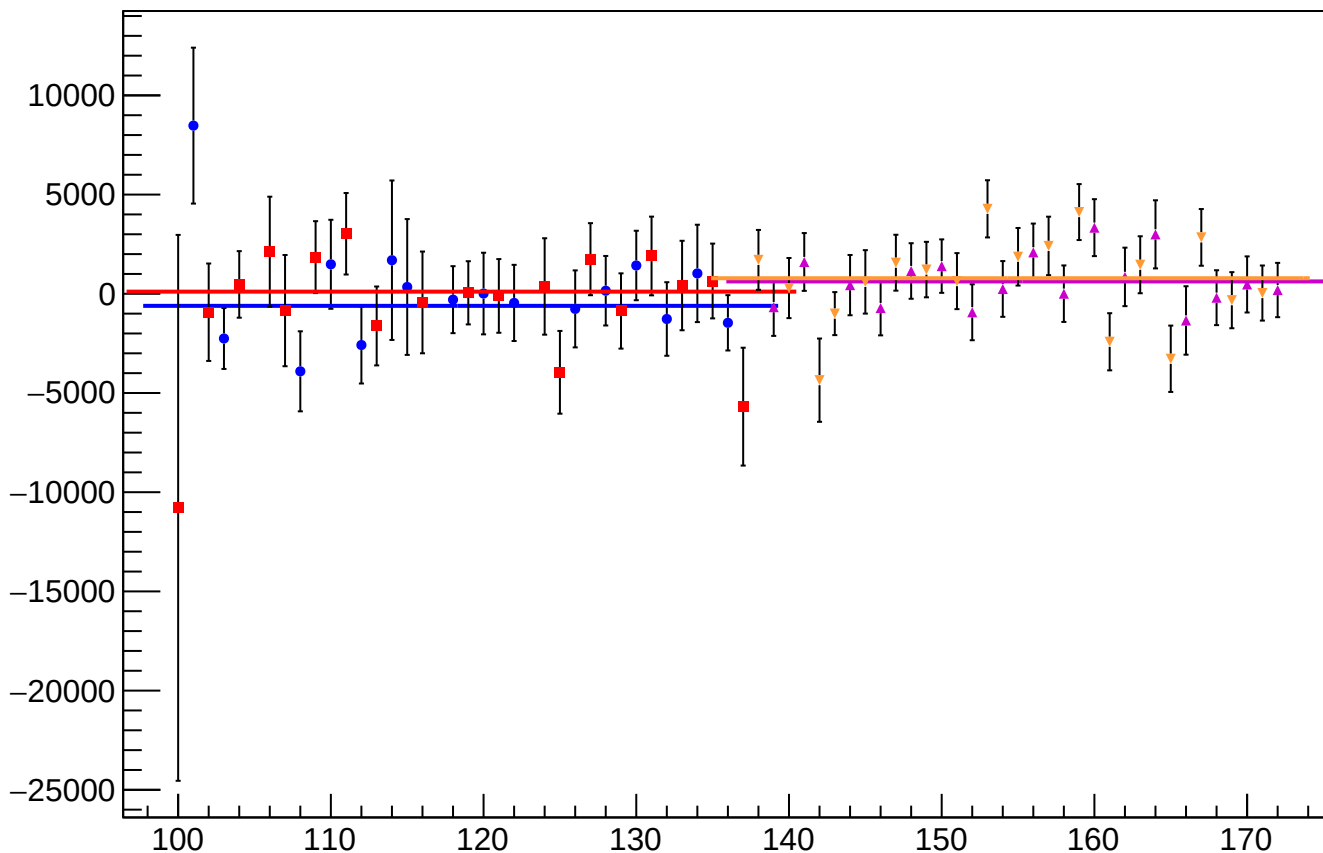
Left In: 4106.254+/-0.793 χ^2/NDF : 1088550.0/16

+ sign 3503.596+/-0.561 χ^2/NDF : 3383955.6/33

All: 3572.649+/-0.402 χ^2/NDF : 5866702.8/69

- sign 3645.444+/-0.576 χ^2/NDF : 2451576.1/35

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -607.831 $\pm$ 494.182 χ^2 /NDF: 14.1/15

Left Out: 784.292 $\pm$ 340.701 χ^2 /NDF:36.9/17

Right Out: 108.614 $\pm$ 485.552 χ^2 /NDF: 14.9/18

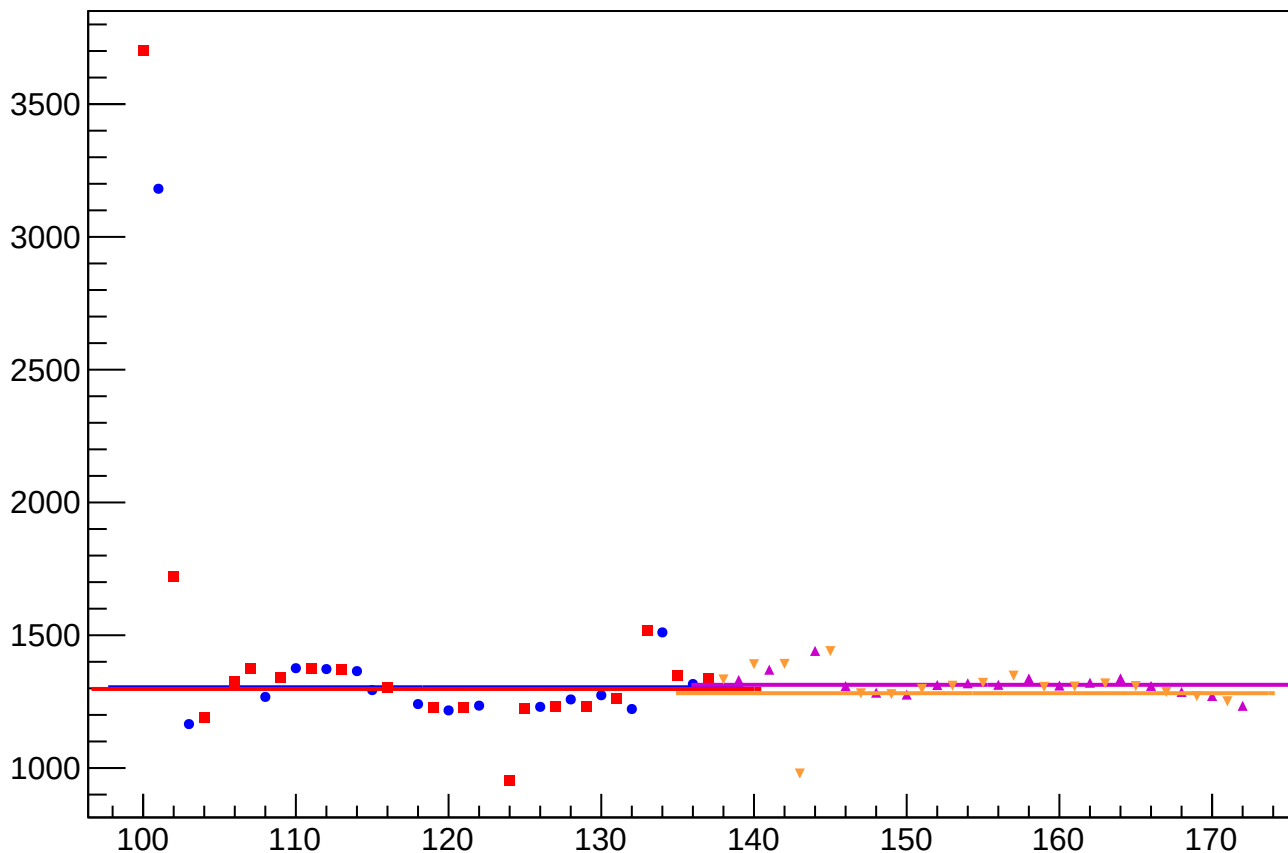
Left In: 623.077 $\pm$ 350.788 χ^2 /NDF:12.5/16

+ sign 335.786 $\pm$ 280.500 χ^2 /NDF: 56.4/33

All: 390.461 $\pm$ 199.689 χ^2 /NDF: 84.5/69

- sign 446.646 $\pm$ 284.346 χ^2 /NDF: 28.1/35

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1281.781 $\pm$ 0.241 χ^2 /NDF: 204276.8/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

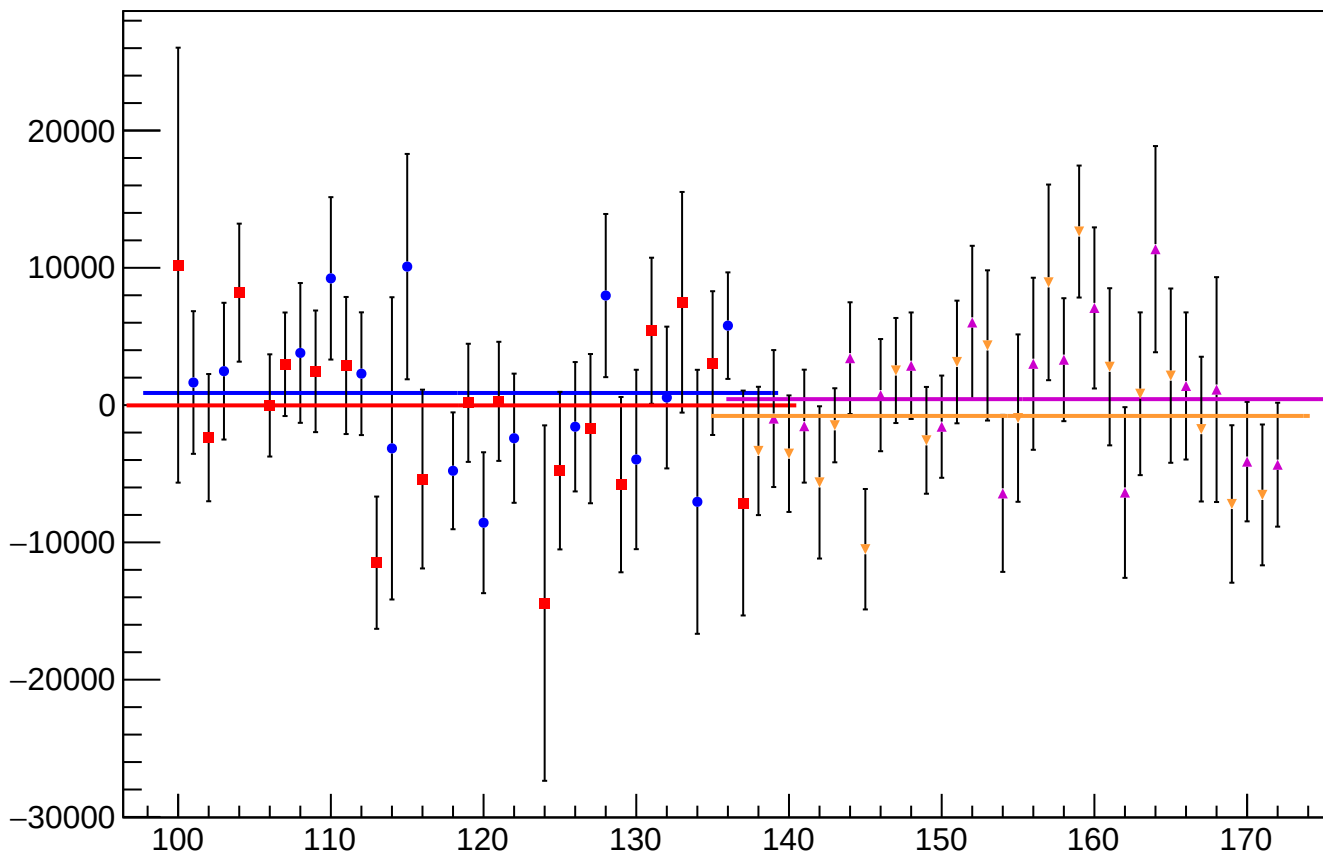
Left In: 1313.353 $\pm$ 0.248 χ^2 /NDF: 30163.2/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717631.8/33

All: 1298.365 $\pm$ 0.141 χ^2 /NDF: 966788.1/69

- sign 1308.012 $\pm$ 0.201 χ^2 /NDF: 244610.4/35

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 884.058 $\pm$ 1327.399 χ^2 /NDF: 14.1/15

Left Out: -787.990 $\pm$ 1104.859 χ^2 /NDF:21.9/17

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

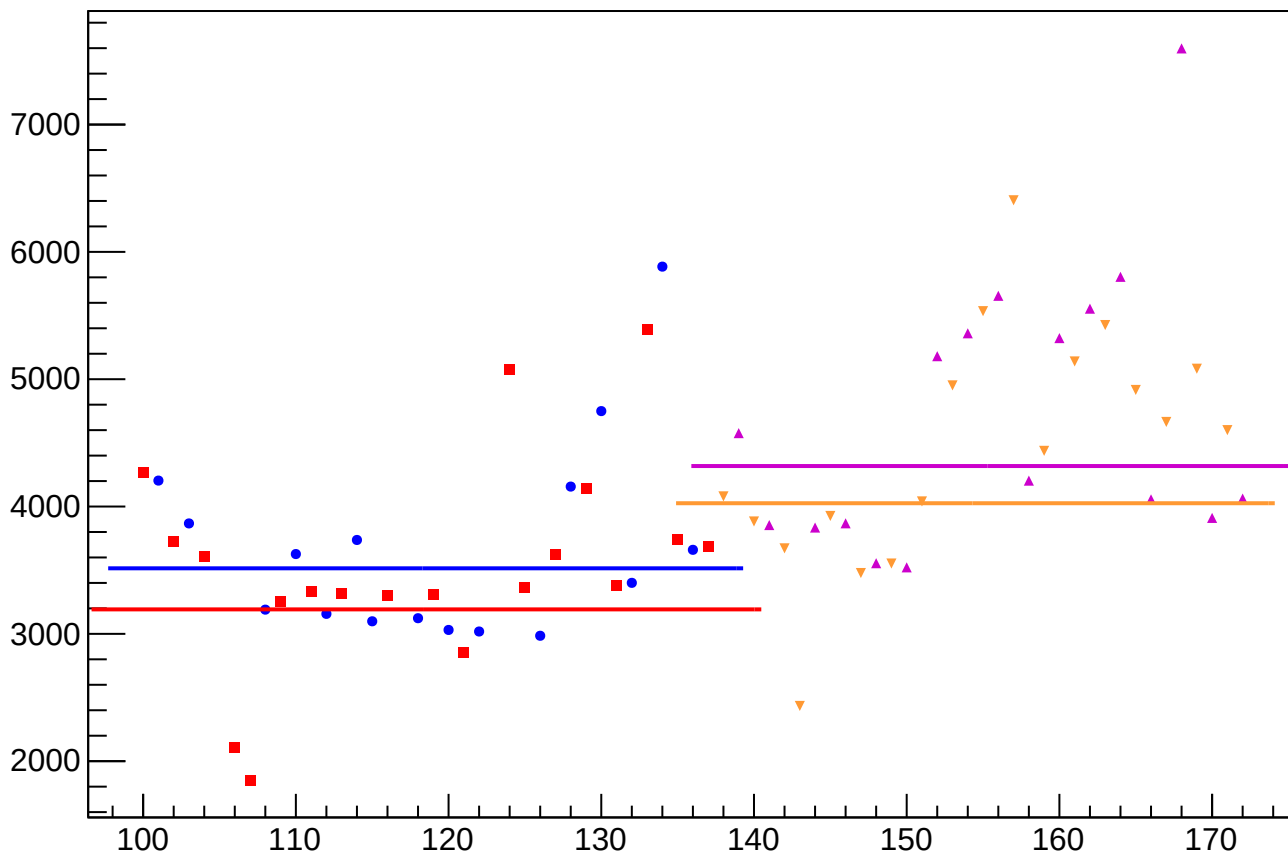
Left In: 434.012 $\pm$ 1178.168 χ^2 /NDF:11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2 /NDF: 375078.6/15

Left Out: 4025.912 $\pm$ 0.781 χ^2 /NDF:1545161.3/17

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

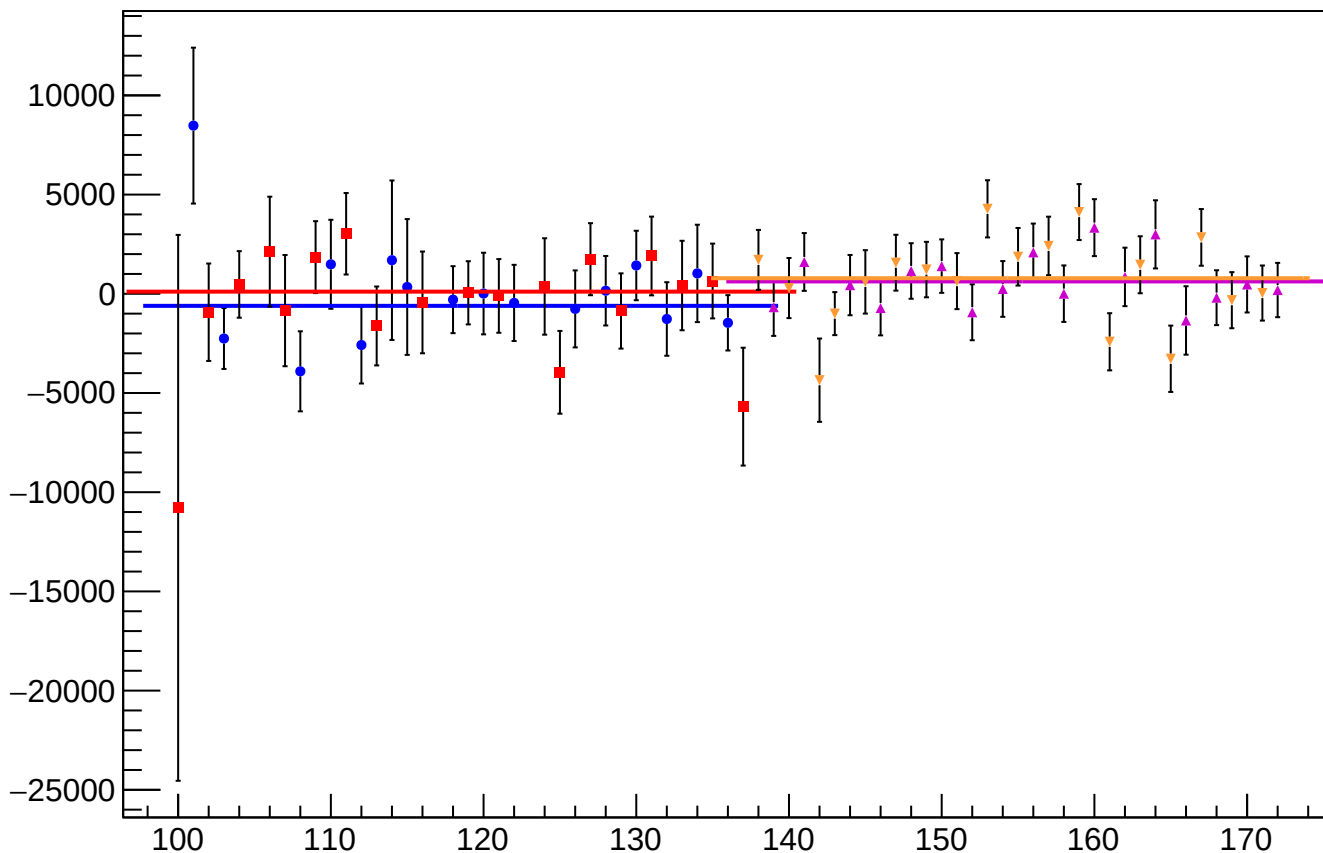
Left In: 4318.026 $\pm$ 0.833 χ^2 /NDF:1024028.2/16

+ sign 3816.710 $\pm$ 0.600 χ^2 /NDF: 2095444.4/33

All: 3790.826 $\pm$ 0.422 χ^2 /NDF: 4791987.5/69

- sign 3765.456 $\pm$ 0.594 χ^2 /NDF: 2692863.6/35

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



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

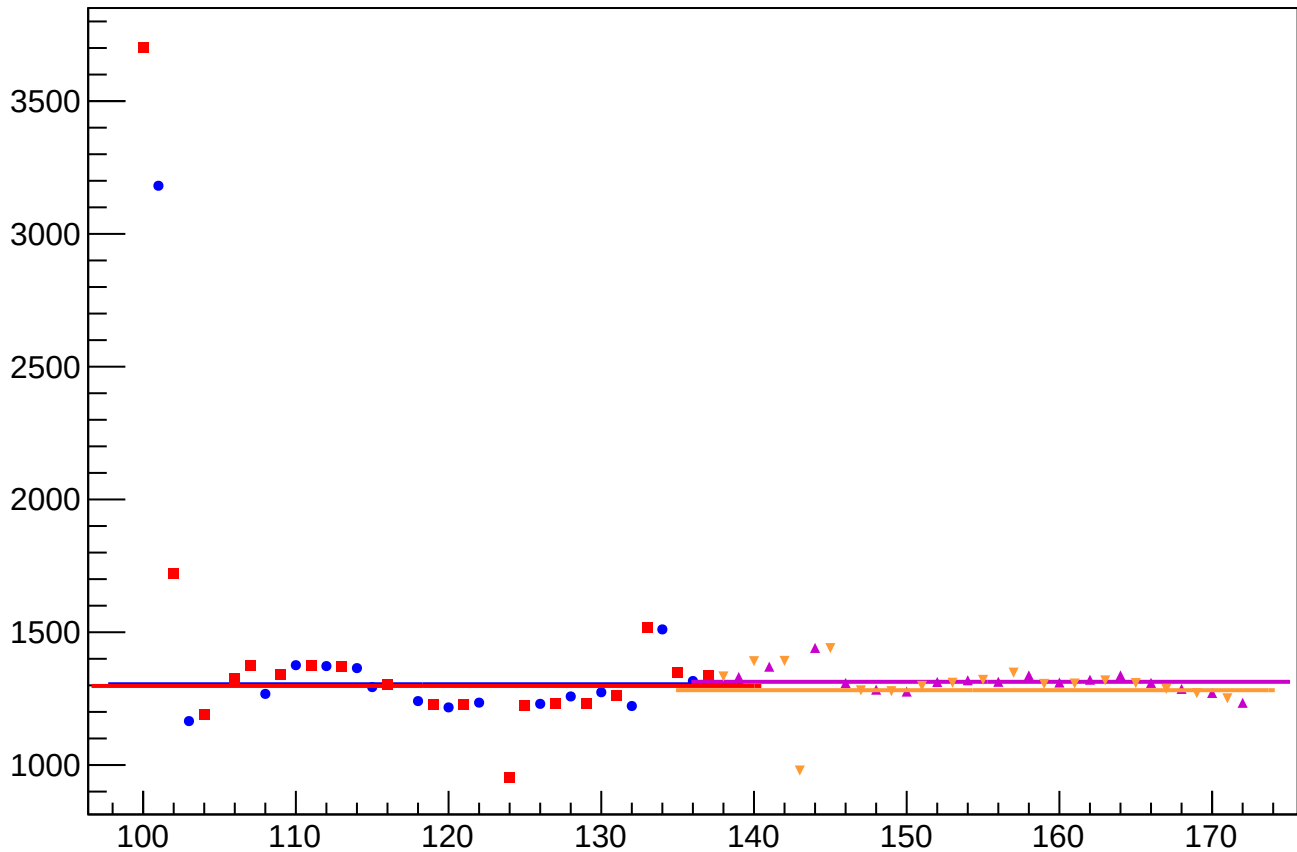
Left In: 623.078 ± 350.788 χ^2/NDF : 12.5/16

+ sign 335.786 ± 280.500 χ^2/NDF : 56.4/33

All: 390.462 ± 199.689 χ^2/NDF : 84.5/69

- sign 446.648 ± 284.346 χ^2/NDF : 28.1/35

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1281.782 $\pm$ 0.241 χ^2 /NDF: 204277.7/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

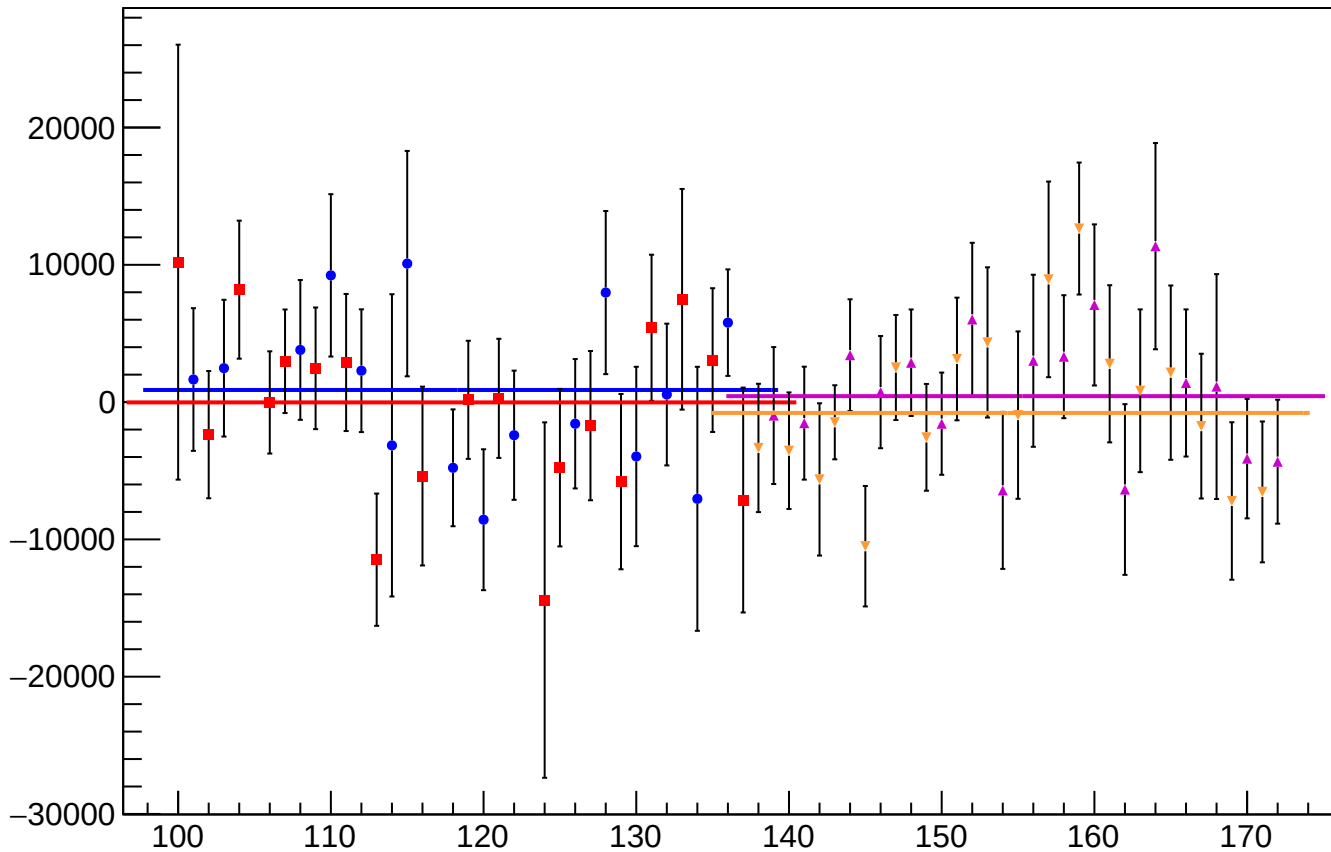
Left In: 1313.354 $\pm$ 0.248 χ^2 /NDF: 30163.9/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717632.7/33

All: 1298.366 $\pm$ 0.141 χ^2 /NDF: 966789.9/69

- sign 1308.013 $\pm$ 0.201 χ^2 /NDF: 244611.3/35

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 $\pm$ 1327.396 χ^2 /NDF: 14.1/15

Left Out: -787.988 $\pm$ 1104.861 χ^2 /NDF: 21.9/17

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

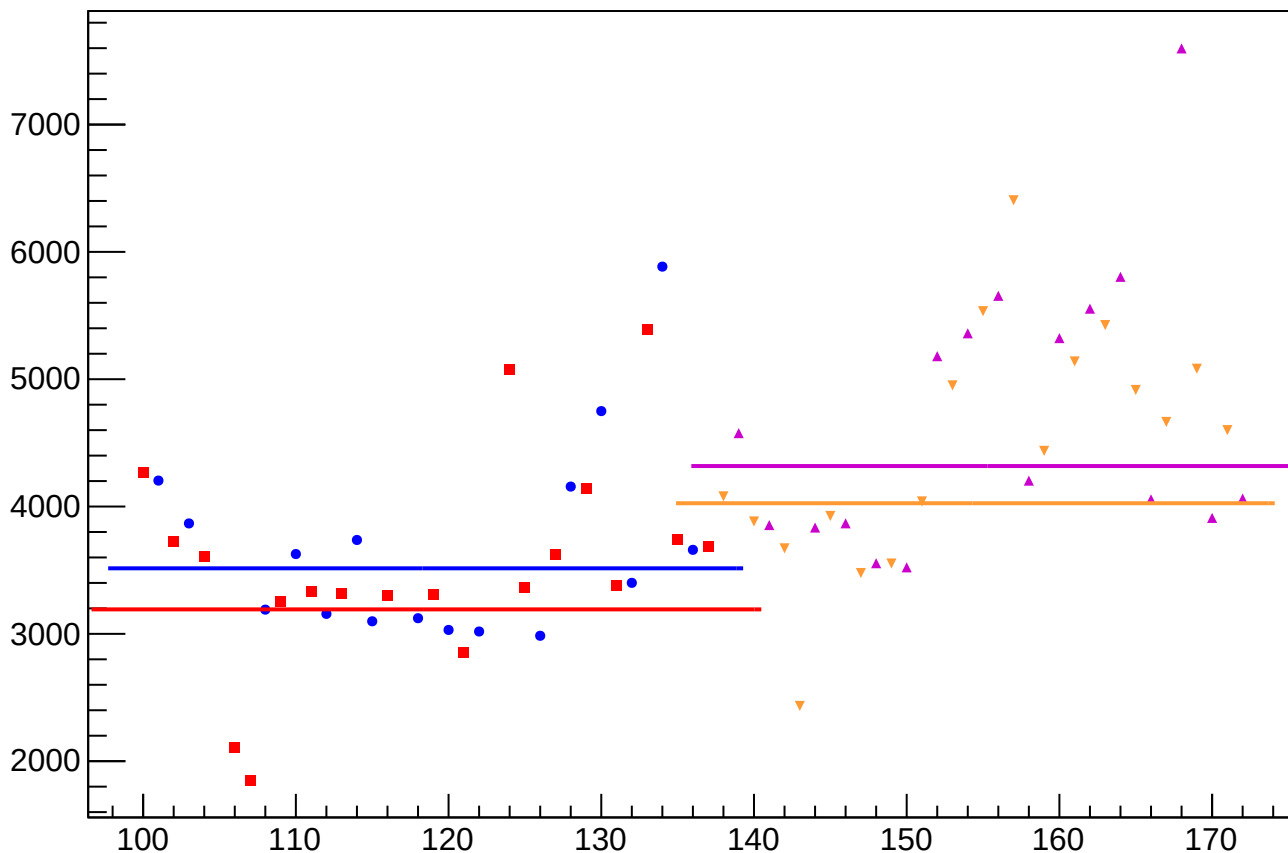
Left In: 434.011 $\pm$ 1178.170 χ^2 /NDF: 11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 4025.918 $\pm$ 0.781 χ^2 /NDF:1545162.6/17

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

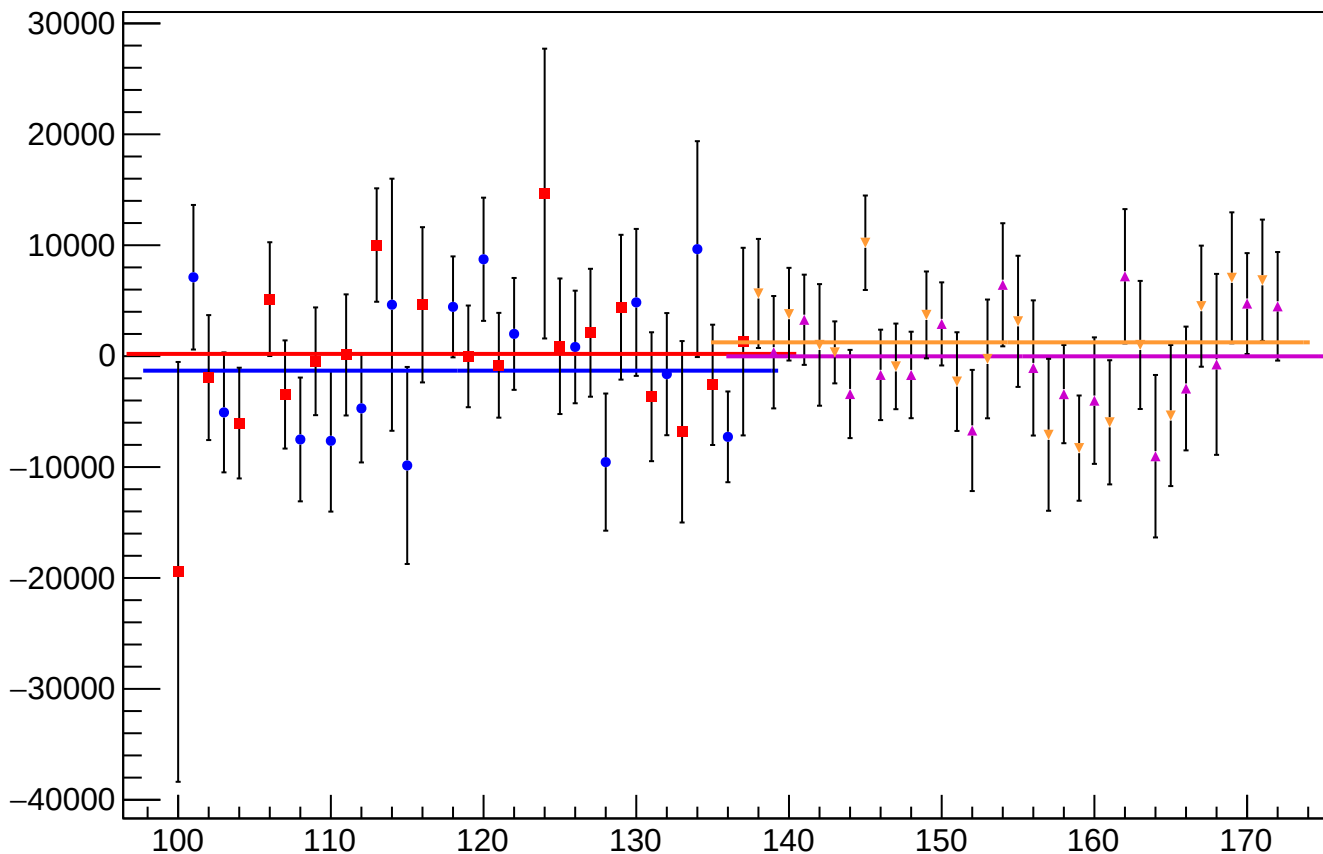
Left In: 4318.032 $\pm$ 0.833 χ^2 /NDF:1024030.4/16

+ sign 3816.709 $\pm$ 0.600 χ^2 /NDF: 2095460.5/33

All: 3790.824 $\pm$ 0.422 χ^2 /NDF: 4792031.2/69

- sign 3765.453 $\pm$ 0.594 χ^2 /NDF: 2692891.0/35

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

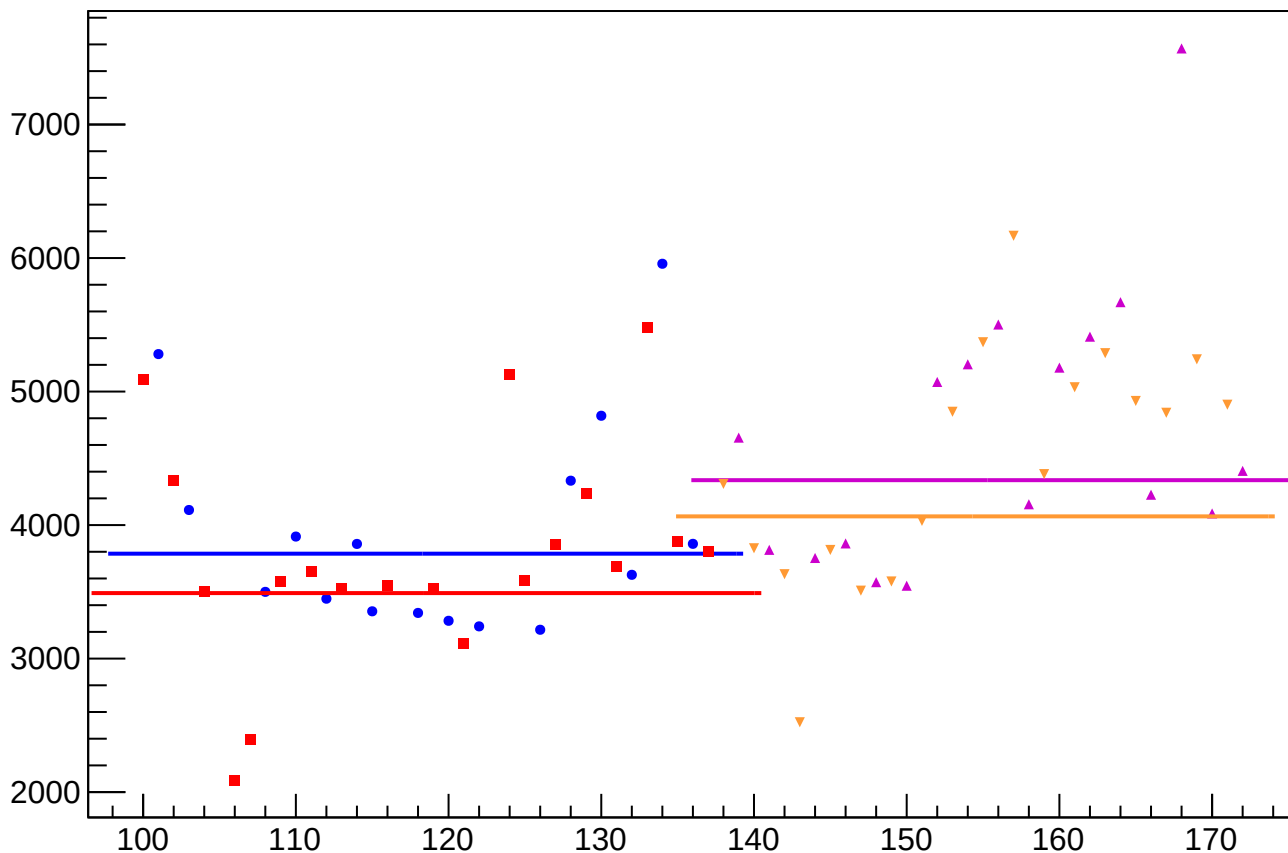
Left In: -16.762 ± 1180.340 χ^2/NDF : 11.5/16

+ sign 283.601 ± 877.958 χ^2/NDF : 37.4/33

All: 182.047 ± 623.139 χ^2/NDF : 60.6/69

- sign 78.955 ± 884.584 χ^2/NDF : 23.1/35

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

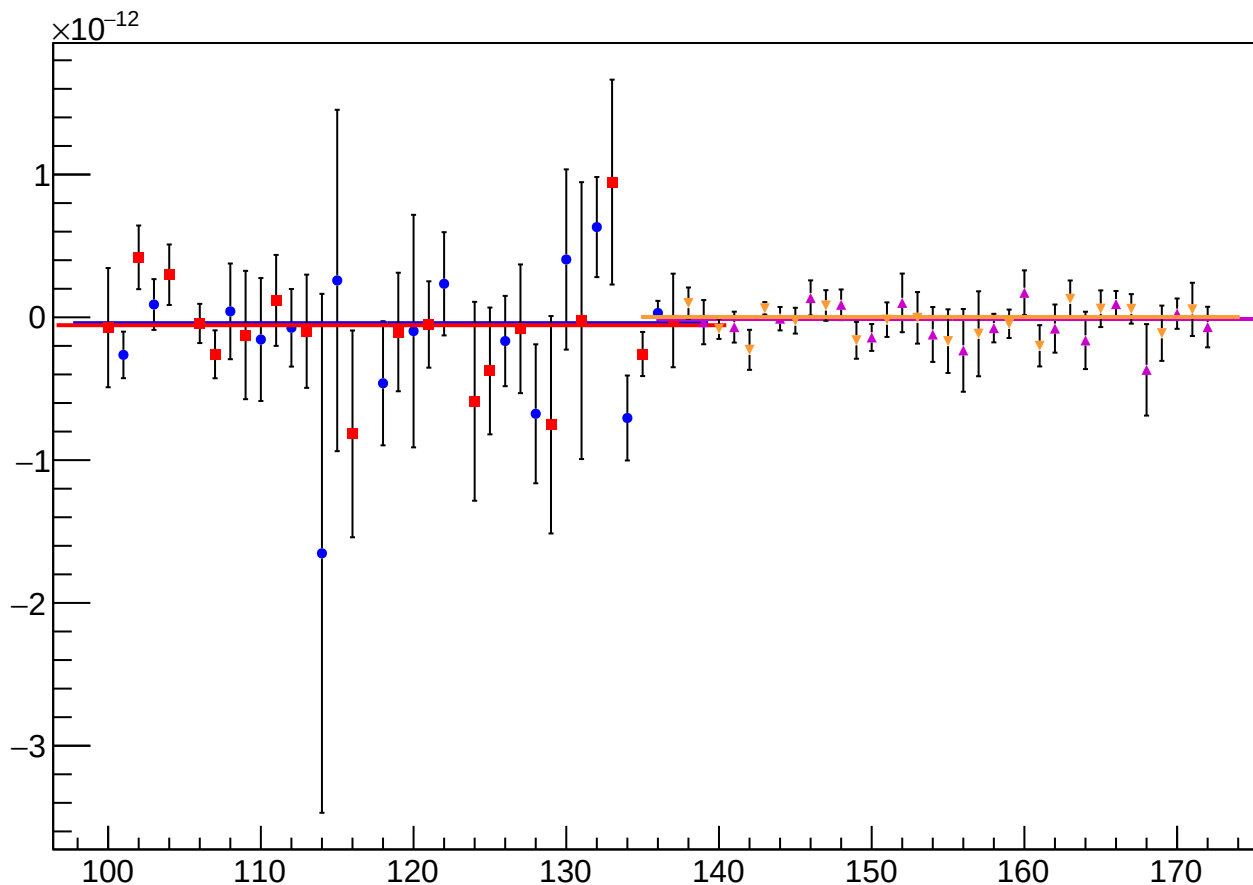
Left In: 4336.304 ± 0.835 χ^2/NDF : 932690.4/16

+ sign 3960.082 ± 0.621 χ^2/NDF : 1832961.4/33

All: 3959.975 ± 0.439 χ^2/NDF : 3809370.1/69

- sign 3959.868 ± 0.622 χ^2/NDF : 1976408.6/35

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2 /NDF:13.8/17

Right Out: -0.000+/-0.000 χ^2 /NDF: 15.9/18

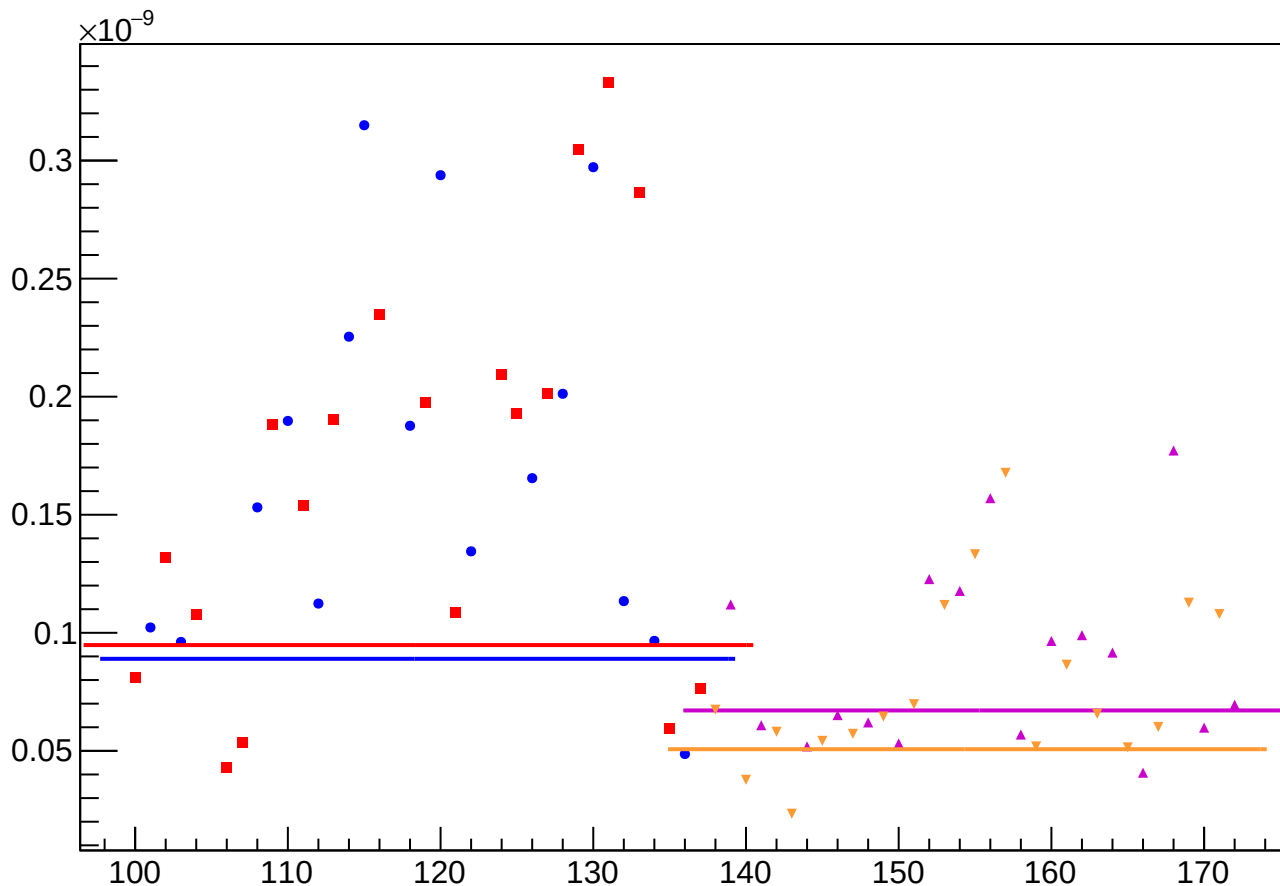
Left In: -0.000+/-0.000 χ^2 /NDF:11.0/16

+ sign -0.000+/-0.000 χ^2 /NDF: 30.9/33

All: -0.000+/-0.000 χ^2 /NDF: 58.3/69

- sign -0.000+/-0.000 χ^2 /NDF: 27.2/35

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



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

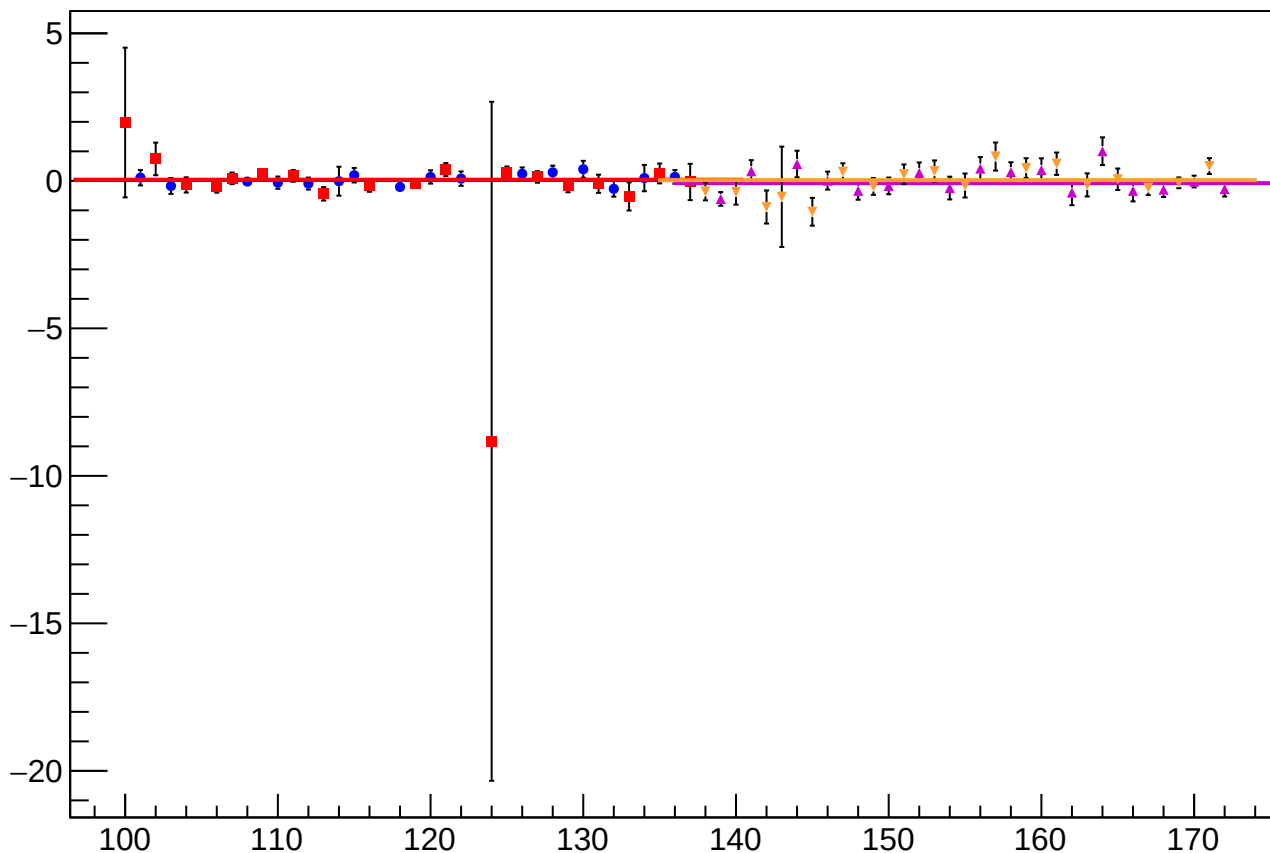
Left In: 0.000+/-0.000 χ^2/NDF : 1375148.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF : 8342582.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3414862.9/35

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: 0.023 $\pm$ 0.078 χ^2 /NDF: 24.2/17

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

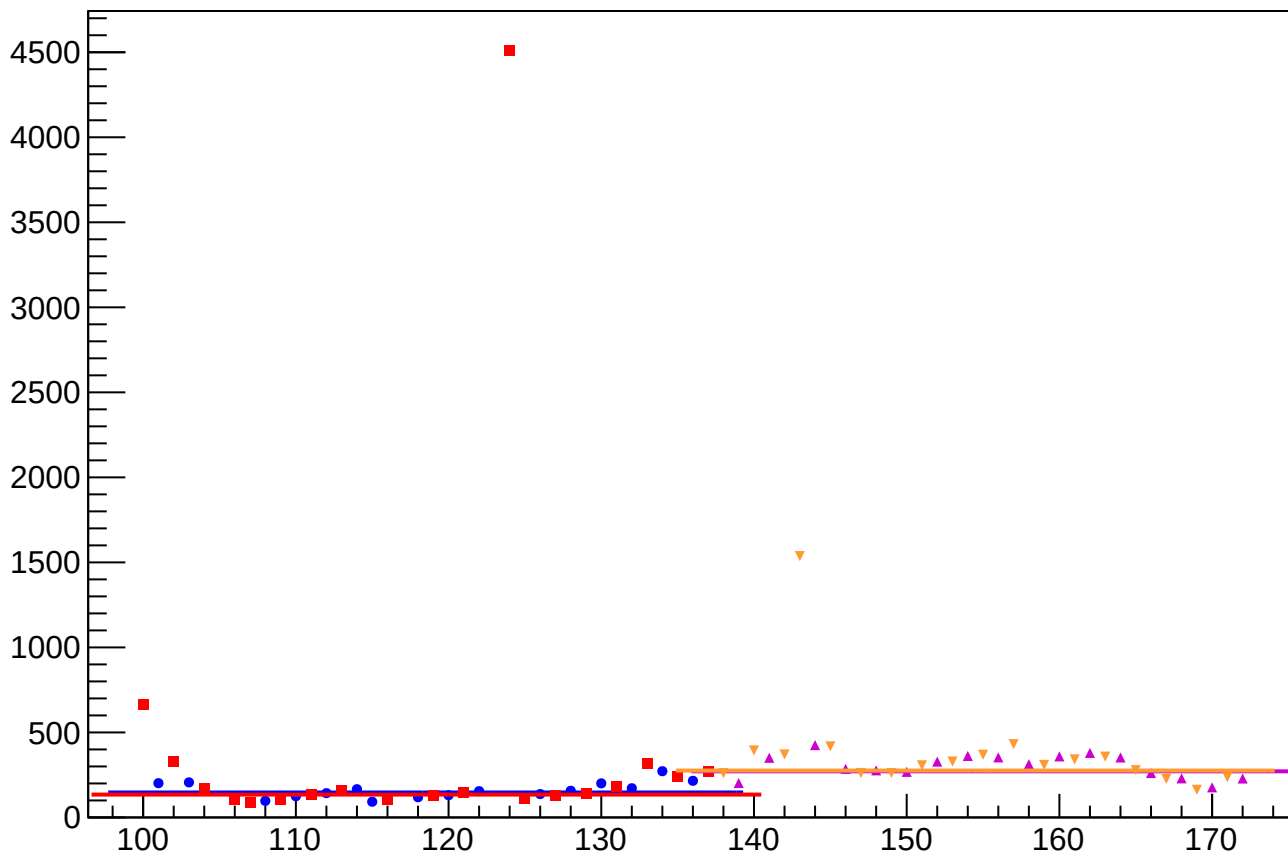
Left In: -0.077 $\pm$ 0.076 χ^2 /NDF: 22.6/16

+ sign 0.026 $\pm$ 0.046 χ^2 /NDF: 33.6/33

All: 0.012 $\pm$ 0.032 χ^2 /NDF: 77.9/69

- sign -0.001 $\pm$ 0.044 χ^2 /NDF: 44.1/35

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

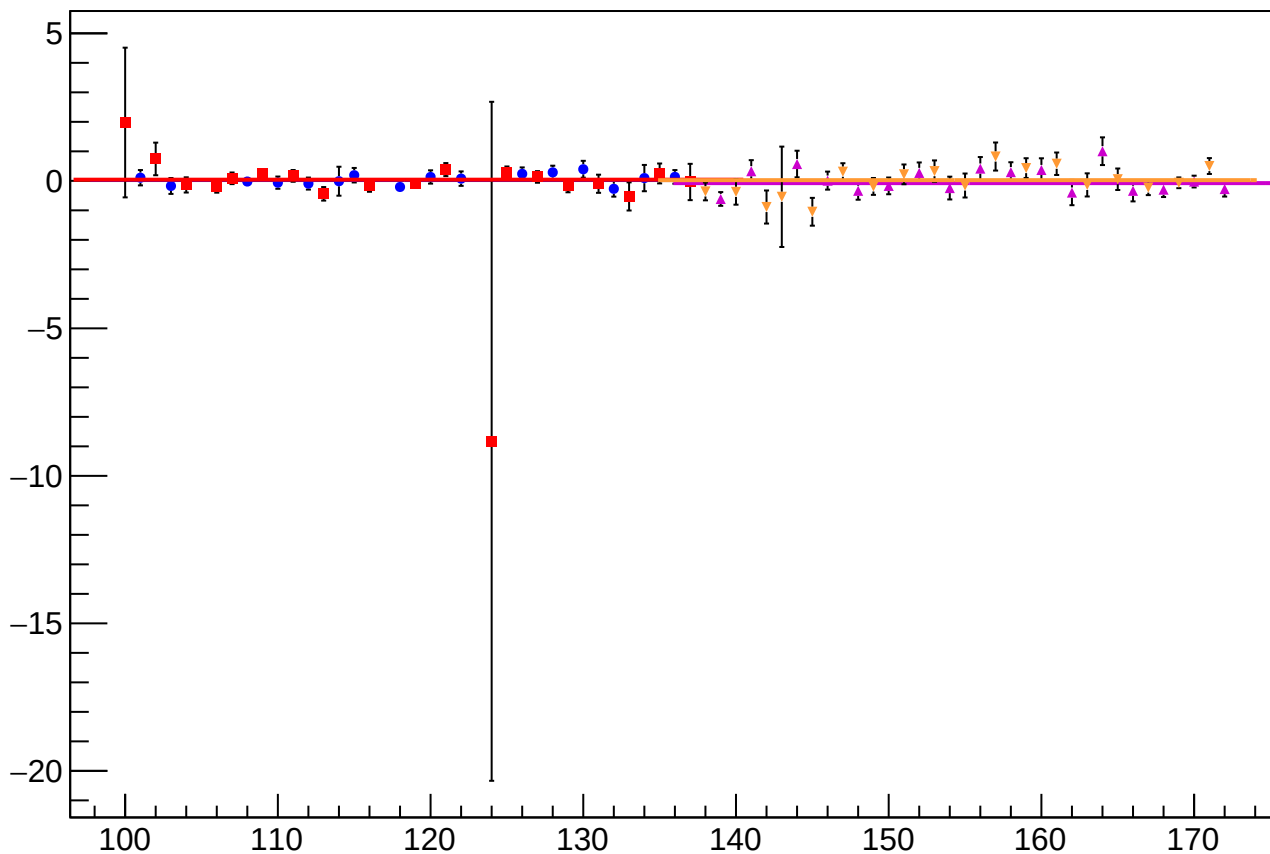
Left In: 271.262+/-0.053 χ^2/NDF : 1627326.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473192.6/33

All: 186.815+/-0.023 χ^2/NDF : 15058163.4/69

- sign 181.610+/-0.031 χ^2/NDF : 7527307.0/35

asym_at1_avg_at2_avg_dd_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

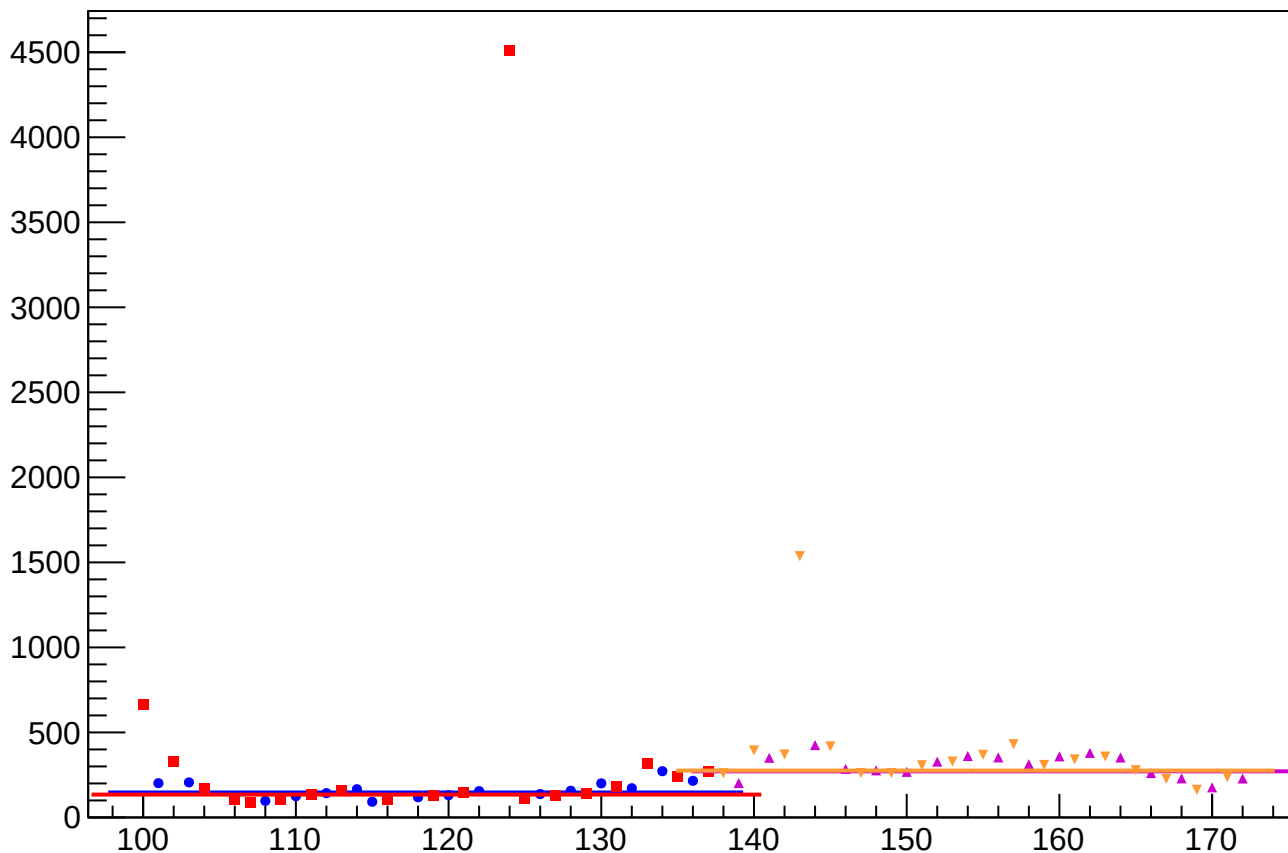
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 275.807 $\pm$ 0.055 χ^2 /NDF: 2935721.4/17

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

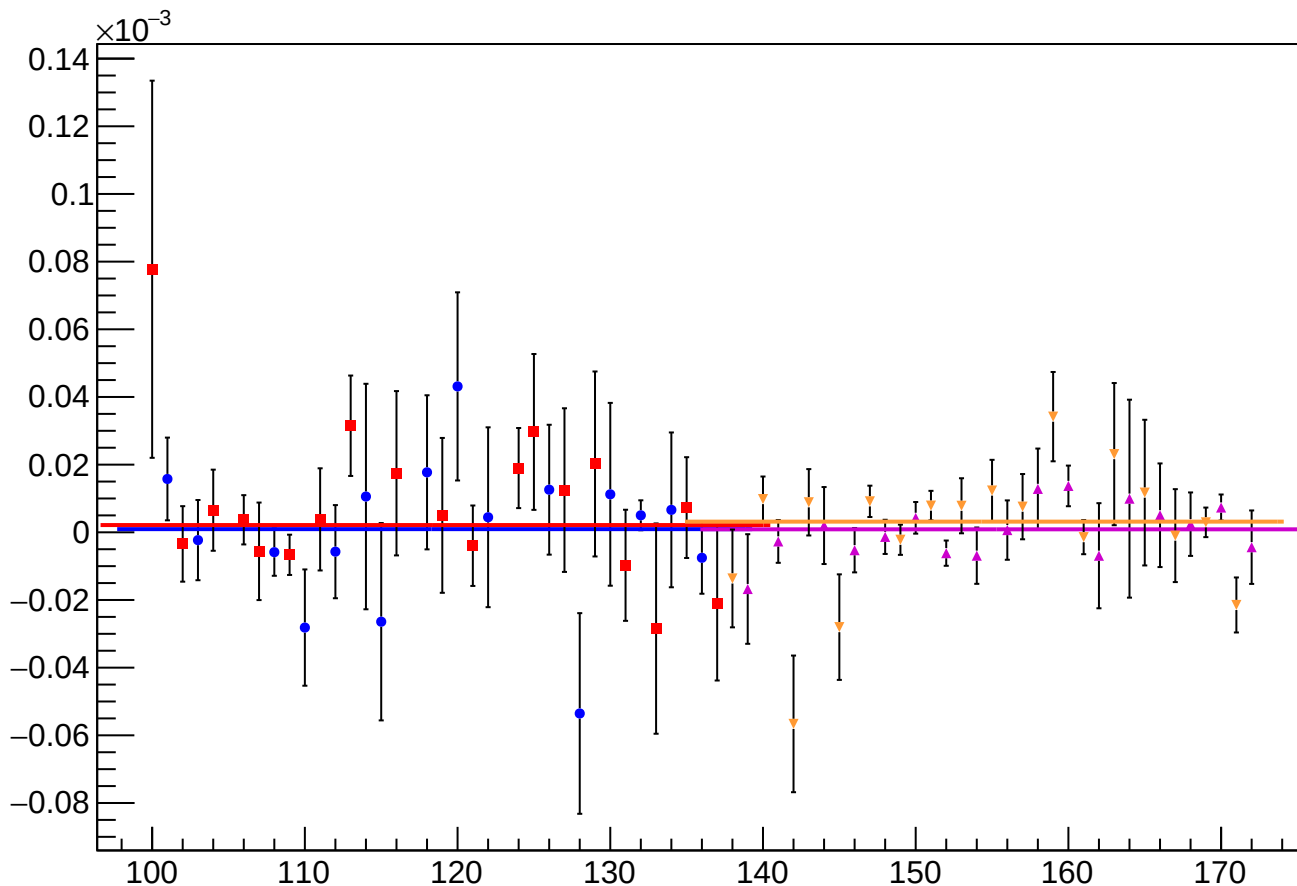
Left In: 271.262 $\pm$ 0.053 χ^2 /NDF: 1627326.4/16

+ sign 192.506 $\pm$ 0.033 χ^2 /NDF: 7473192.6/33

All: 186.815 $\pm$ 0.023 χ^2 /NDF: 15058163.4/69

- sign 181.610 $\pm$ 0.031 χ^2 /NDF: 7527307.0/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

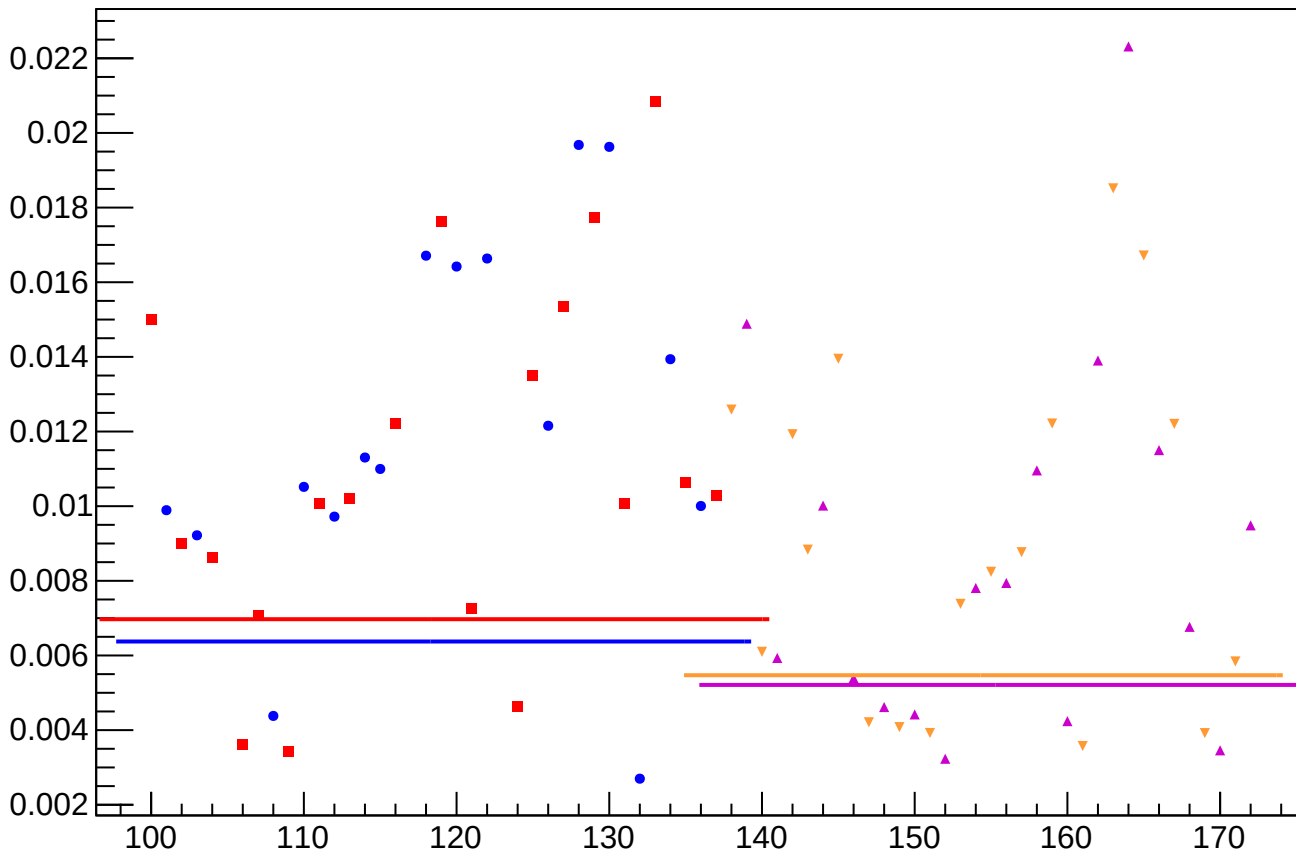
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.6/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

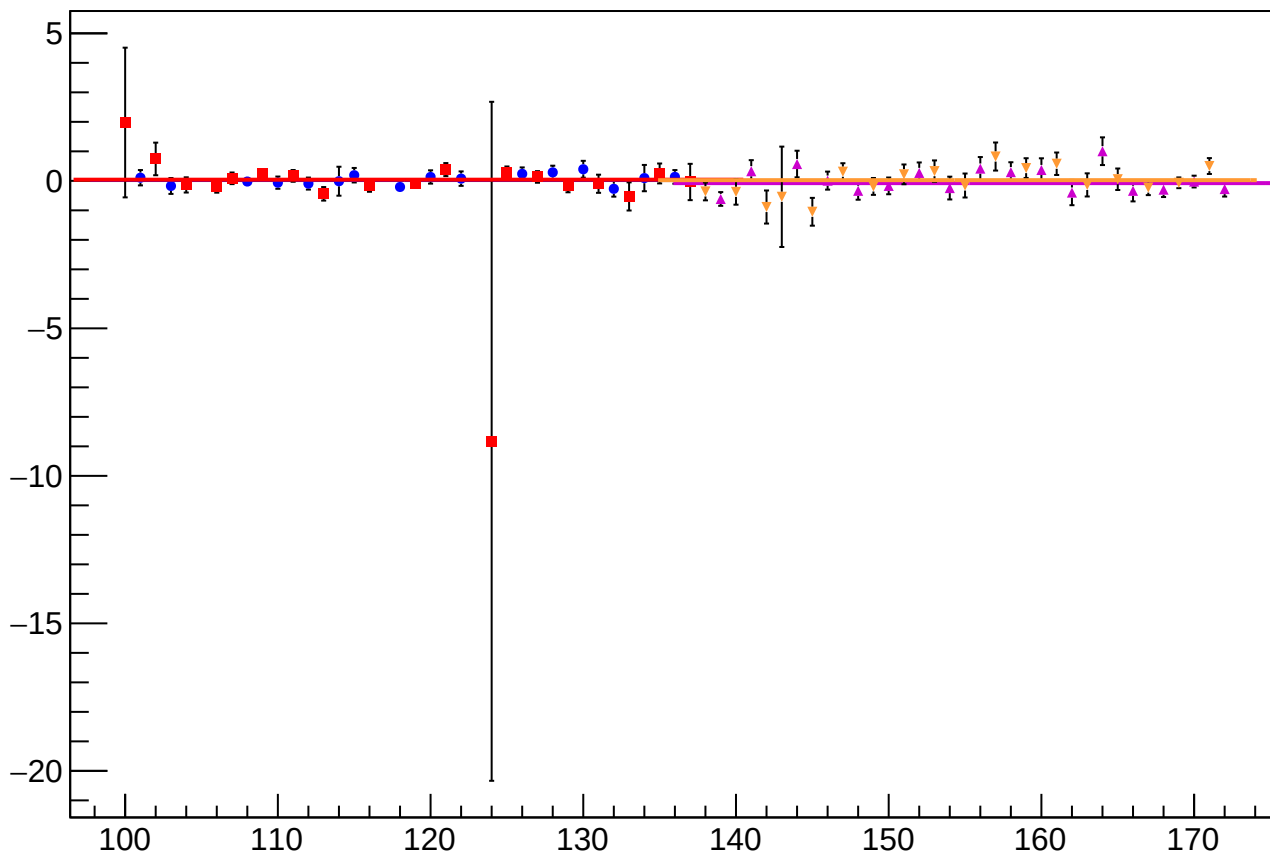
Left In: 0.005+/-0.000 χ^2/NDF : 5078304.7/16

+ sign 0.006+/-0.000 χ^2/NDF : 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF : 19319338.9/69

- sign 0.006+/-0.000 χ^2/NDF : 9016158.2/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: 0.023 $\pm$ 0.078 χ^2 /NDF:24.2/17

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

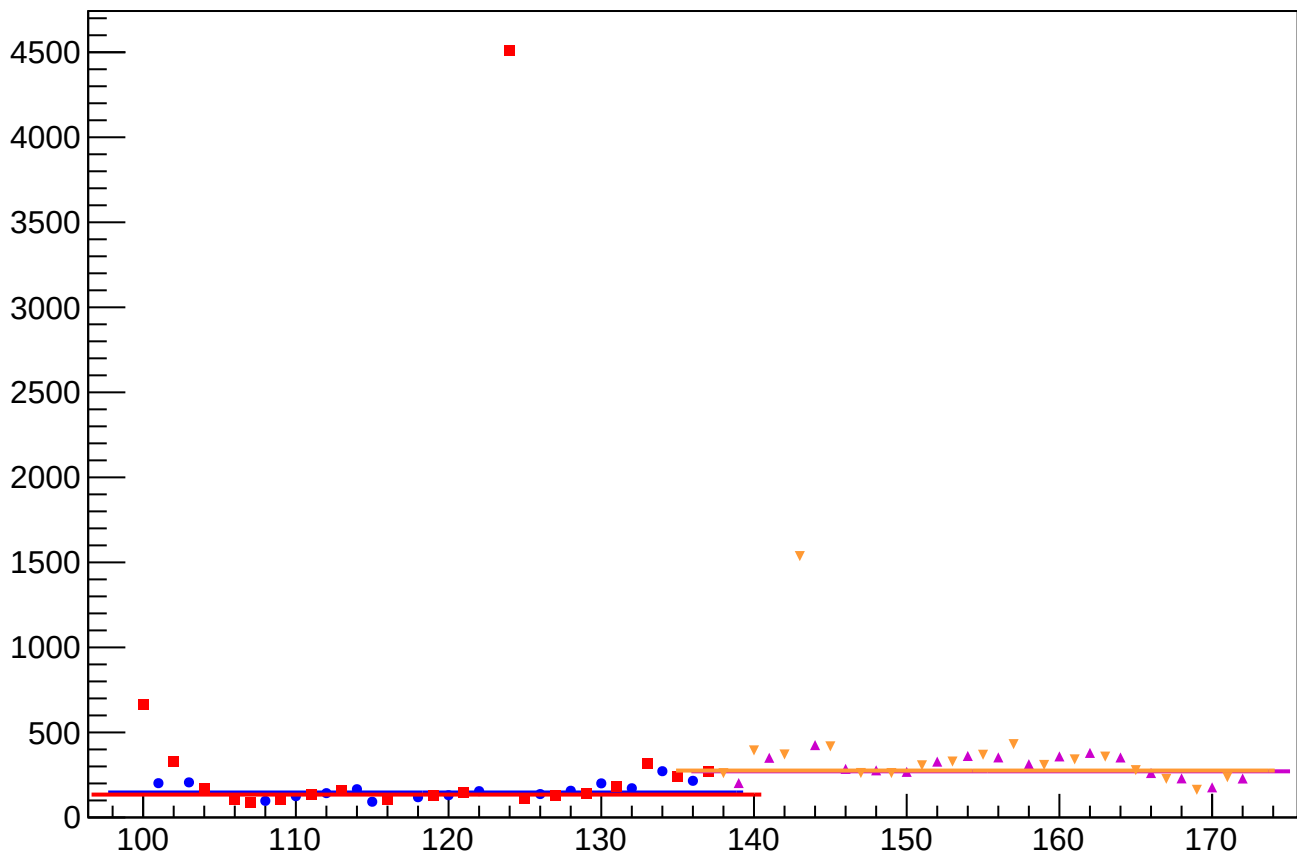
Left In: -0.077 $\pm$ 0.076 χ^2 /NDF:22.6/16

+ sign 0.026 $\pm$ 0.046 χ^2 /NDF: 33.6/33

All: 0.012 $\pm$ 0.032 χ^2 /NDF: 77.9/69

- sign -0.001 $\pm$ 0.044 χ^2 /NDF: 44.1/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF : 2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

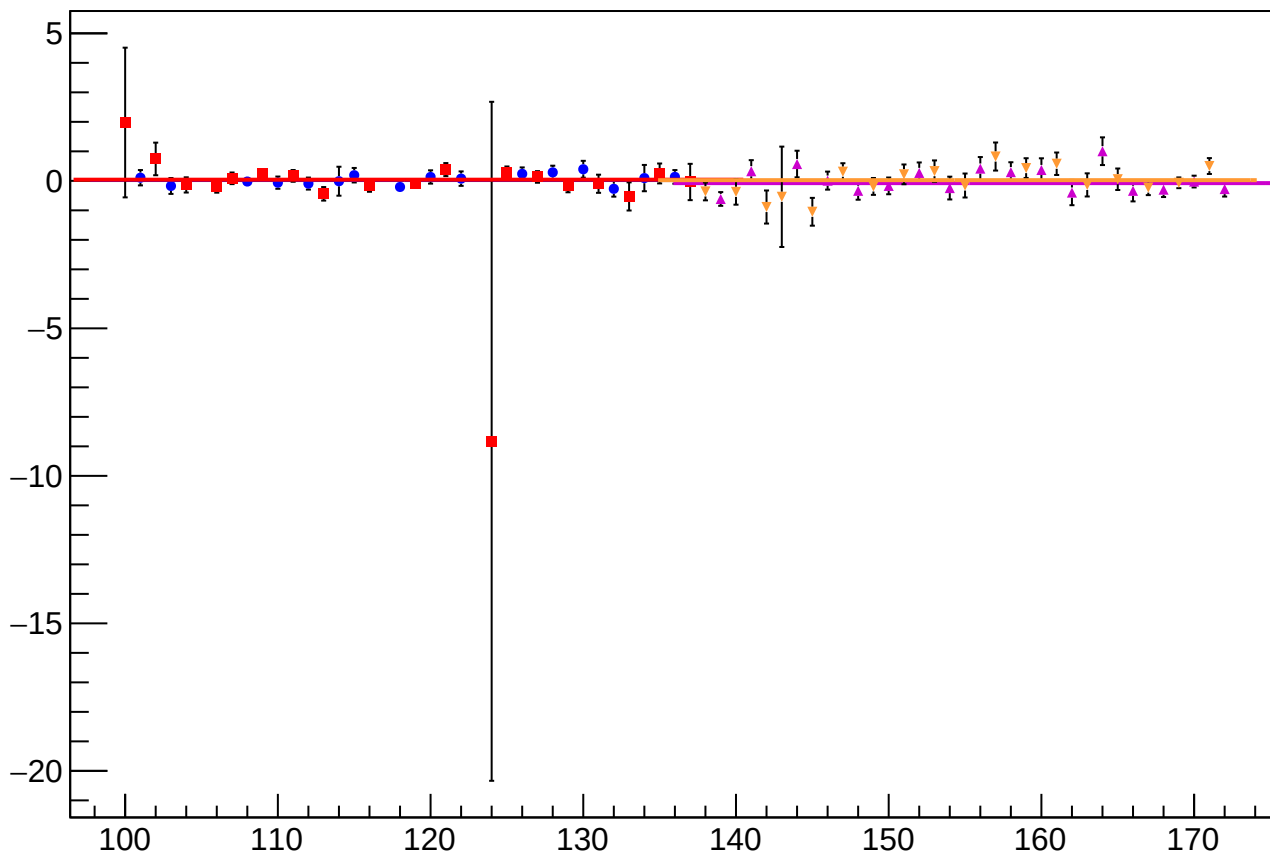
Left In: 271.264+/-0.053 χ^2/NDF : 1627379.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473290.6/33

All: 186.816+/-0.023 χ^2/NDF : 15058211.2/69

- sign 181.611+/-0.031 χ^2/NDF : 7527273.2/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: 0.023 $\pm$ 0.078 χ^2 /NDF: 24.2/17

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

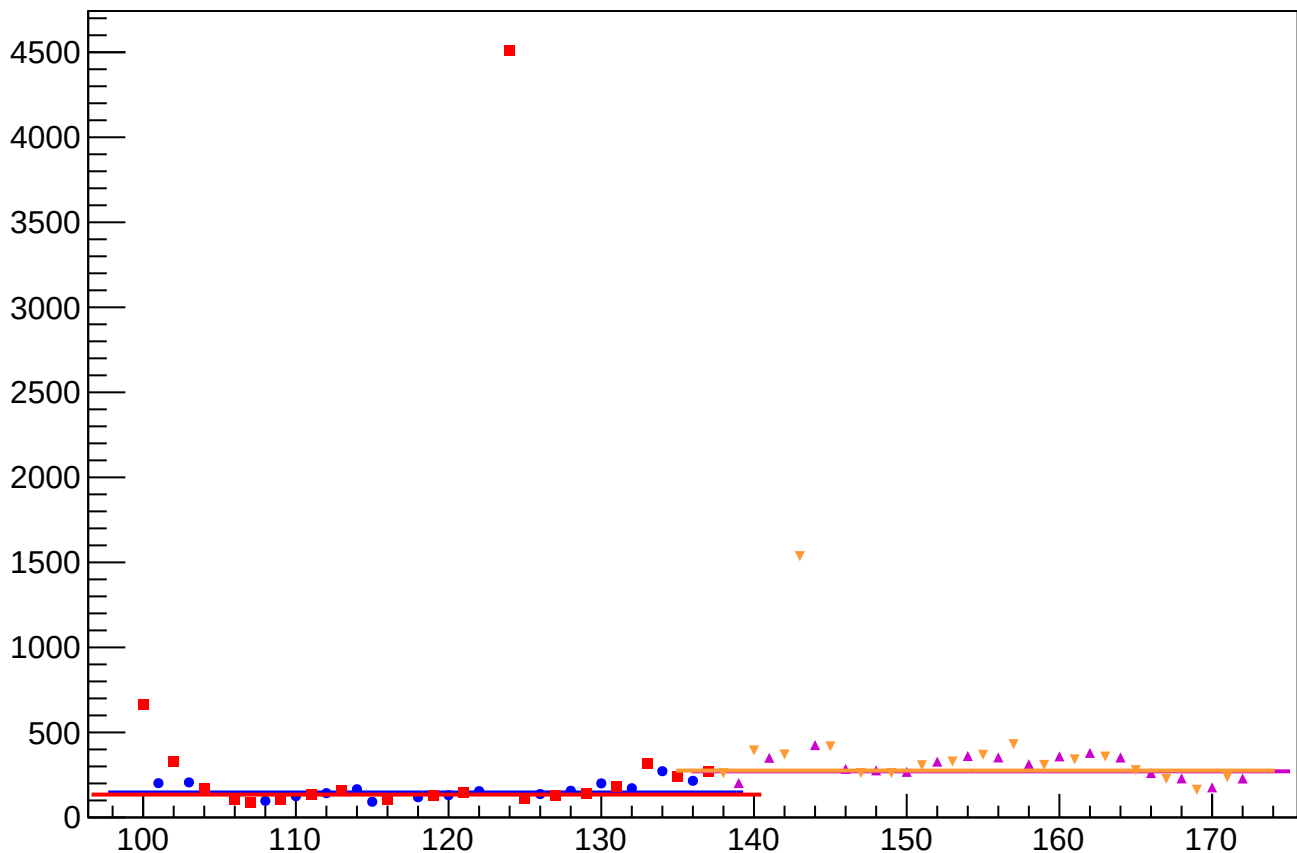
Left In: -0.077 $\pm$ 0.076 χ^2 /NDF: 22.6/16

+ sign 0.026 $\pm$ 0.046 χ^2 /NDF: 33.6/33

All: 0.012 $\pm$ 0.032 χ^2 /NDF: 77.9/69

- sign -0.001 $\pm$ 0.044 χ^2 /NDF: 44.1/35

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

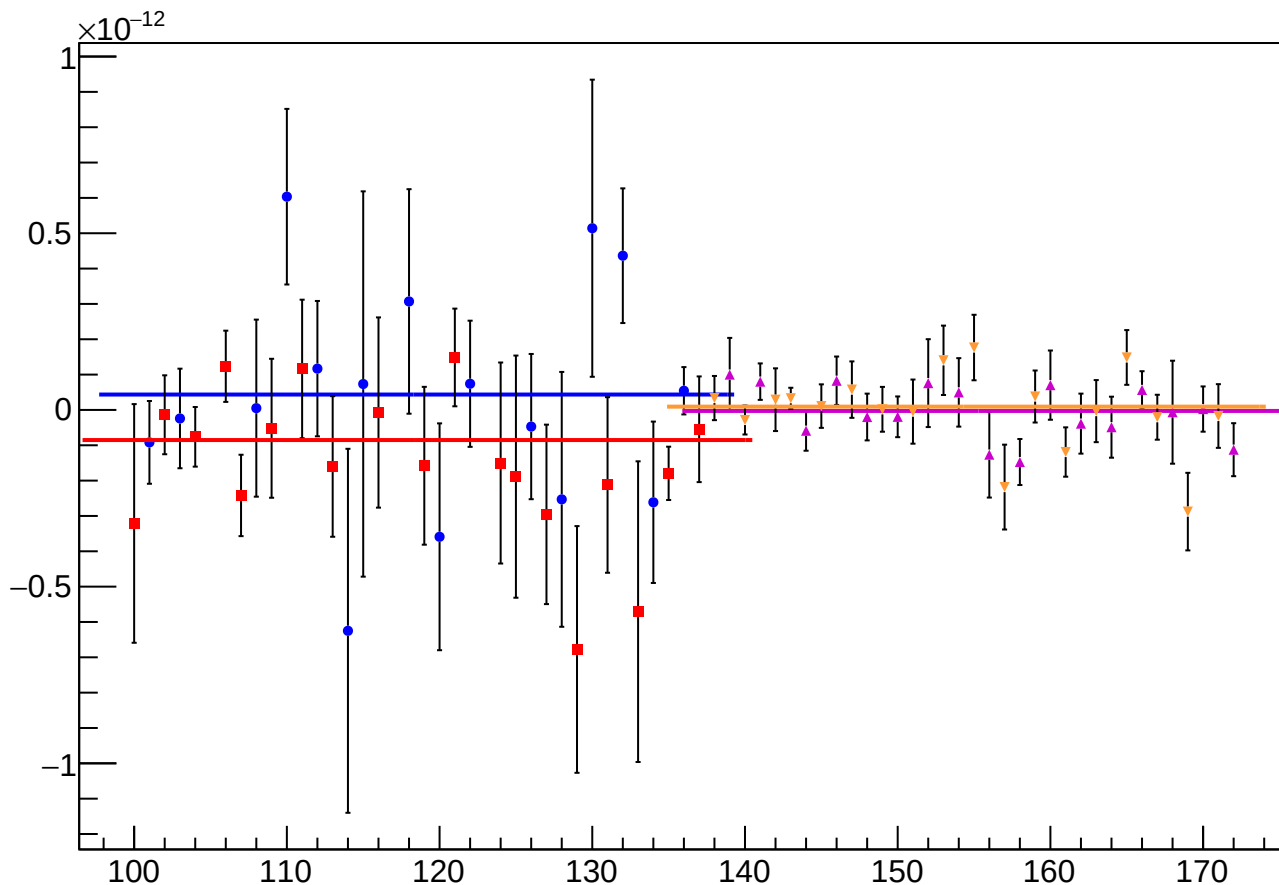
Left In: 271.264+/-0.053 χ^2/NDF : 1627379.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473290.6/33

All: 186.816+/-0.023 χ^2/NDF : 15058211.2/69

- sign 181.611+/-0.031 χ^2/NDF : 7527273.2/35

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

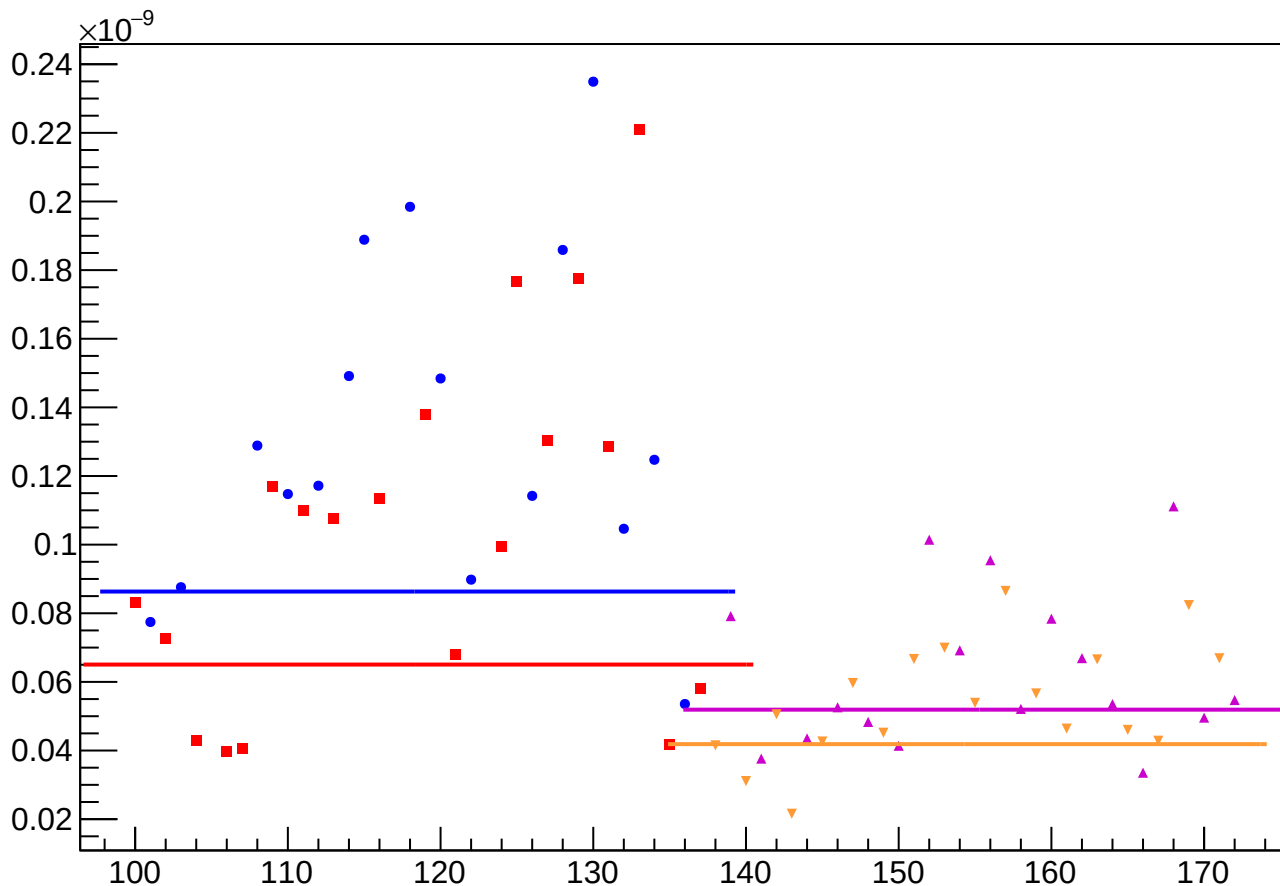
Left In: -0.000 ± 0.000 χ^2/NDF : 17.3/16

+ sign 0.000 ± 0.000 χ^2/NDF : 44.7/33

All: -0.000 ± 0.000 χ^2/NDF : 87.3/69

- sign -0.000 ± 0.000 χ^2/NDF : 40.1/35

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

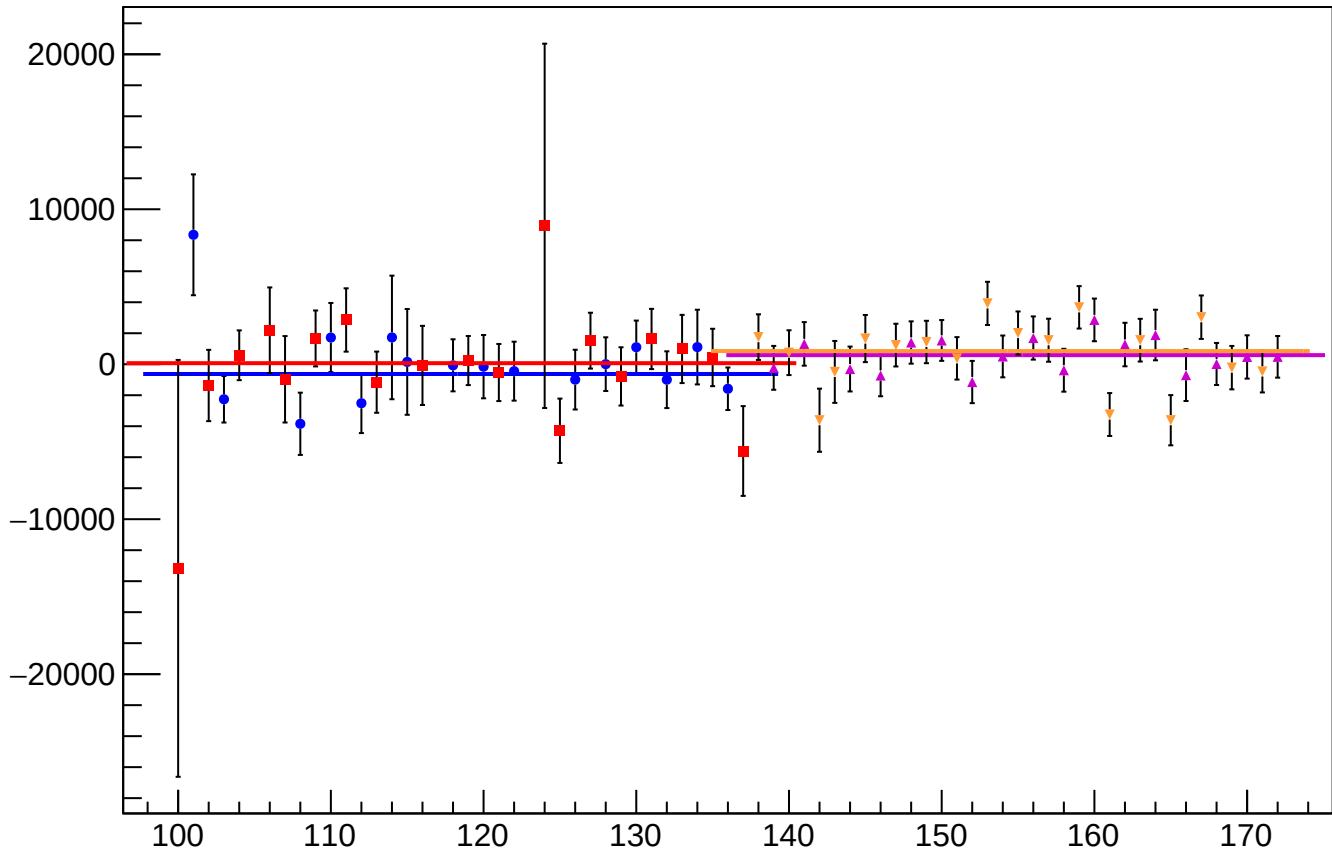
Left In: 0.000+/-0.000 χ^2/NDF : 1832464.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF : 10486740.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4224127.5/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.041 $\pm$ 488.663 χ^2/NDF : 13.9/15

Left Out: 849.580 $\pm$ 342.350 χ^2/NDF : 36.9/17

Right Out: 67.642 $\pm$ 487.761 χ^2/NDF : 15.9/18

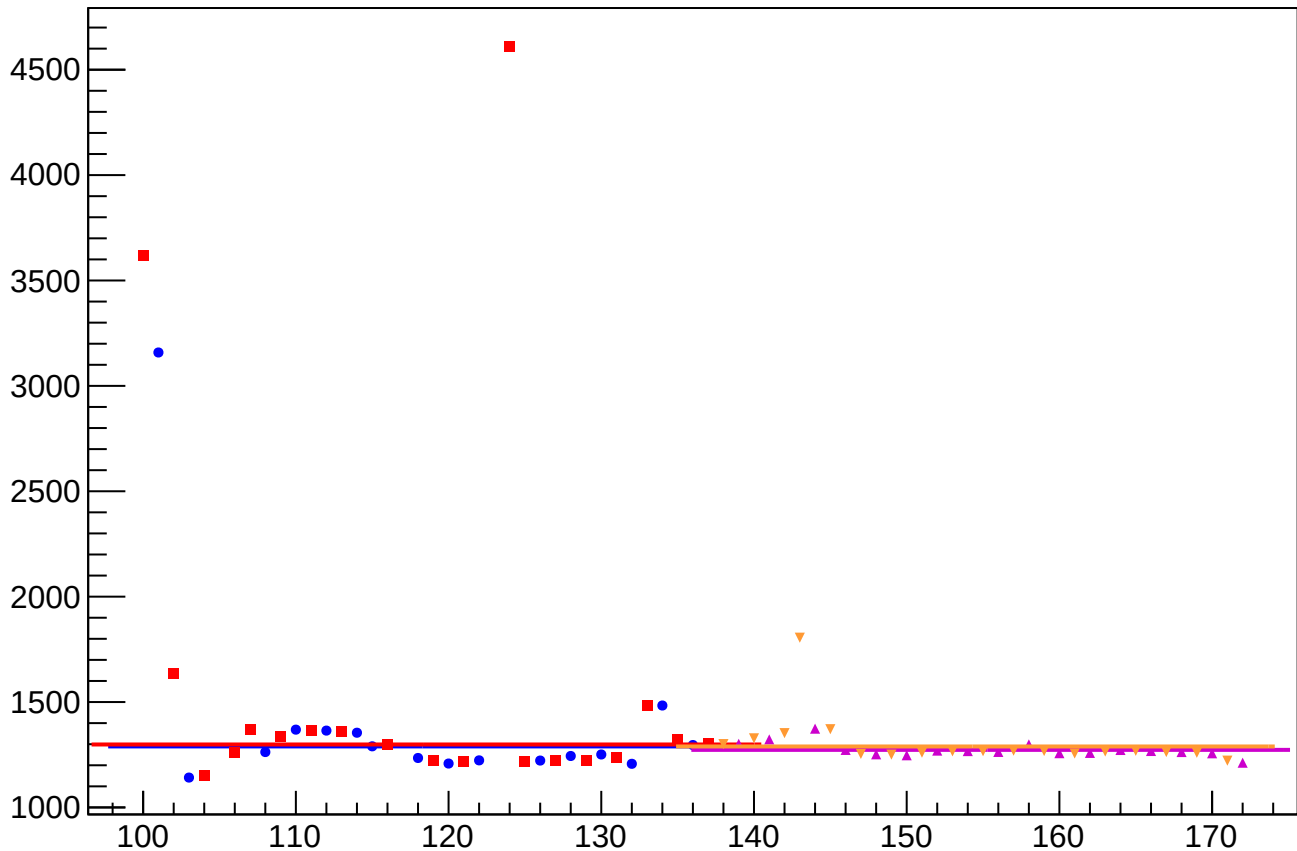
Left In: 587.016 $\pm$ 339.943 χ^2/NDF : 10.0/16

+ sign 362.118 $\pm$ 280.387 χ^2/NDF : 57.0/33

All: 389.814 $\pm$ 197.733 χ^2/NDF : 83.6/69

- sign 417.215 $\pm$ 278.892 χ^2/NDF : 26.6/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 ± 0.346 $\chi^2/\text{NDF}: 514675.0/15$

Left Out: 1289.208 ± 0.242 $\chi^2/\text{NDF}: 157144.9/17$

Right Out: 1298.656 ± 0.344 $\chi^2/\text{NDF}: 319374.9/18$

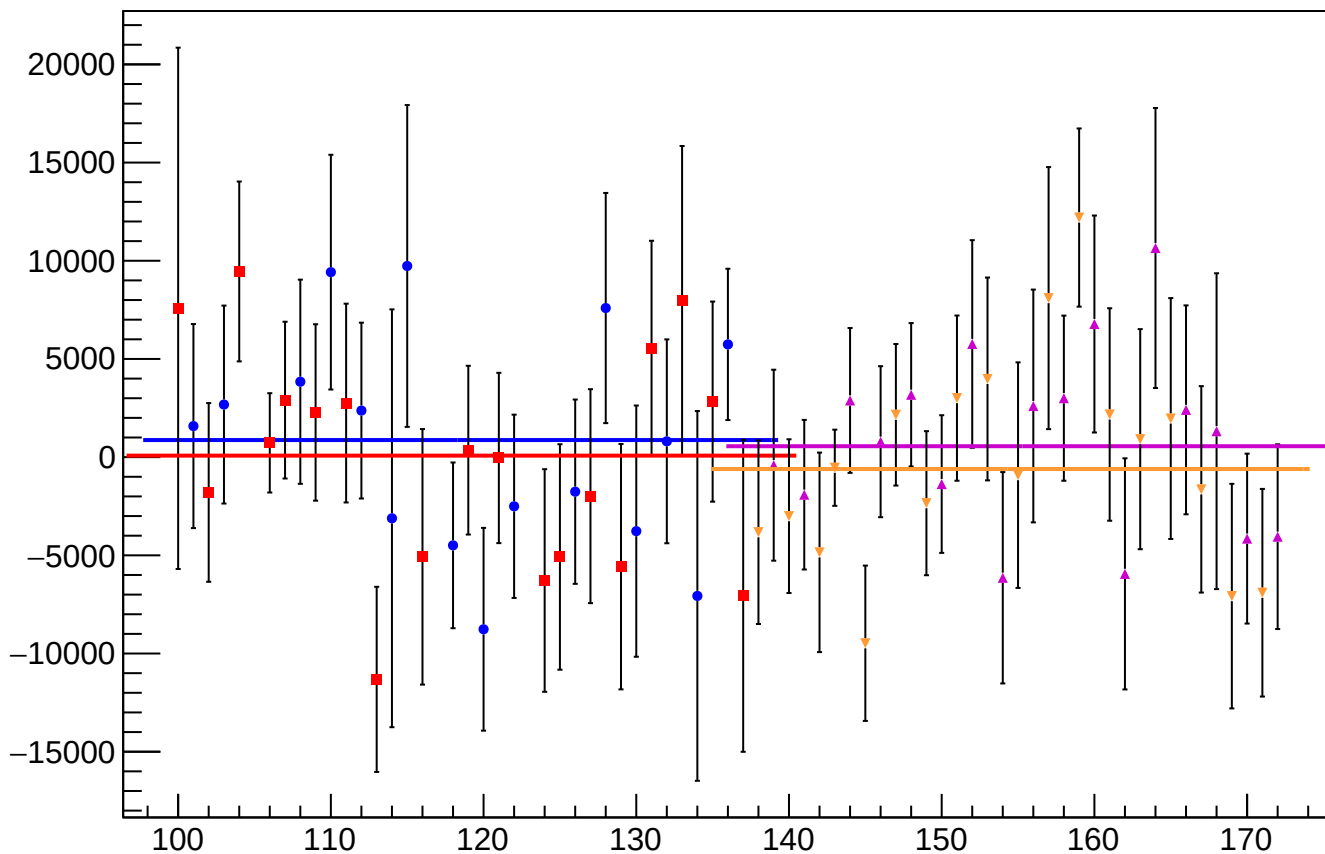
Left In: 1273.082 ± 0.240 $\chi^2/\text{NDF}: 20041.8/16$

+ sign 1289.293 ± 0.198 $\chi^2/\text{NDF}: 671820.3/33$

All: 1285.358 ± 0.140 $\chi^2/\text{NDF}: 1015733.2/69$

- sign 1281.472 ± 0.197 $\chi^2/\text{NDF}: 343130.2/35$

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 870.295 $\pm$ 1325.278 χ^2 /NDF: 14.0/15

Left Out: -605.136 $\pm$ 989.466 χ^2 /NDF:21.8/17

Right Out: 77.323 $\pm$ 1111.074 χ^2 /NDF: 18.4/18

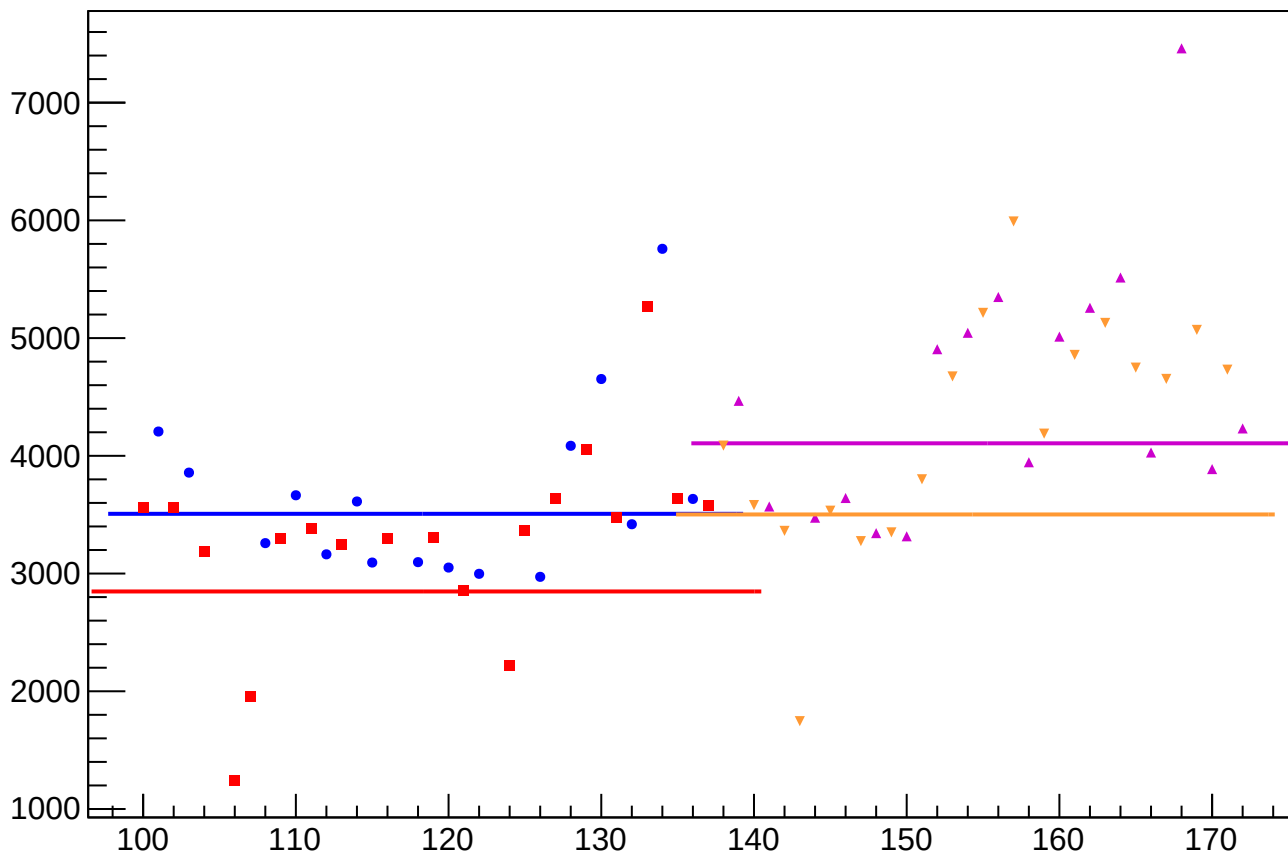
Left In: 556.387 $\pm$ 1121.530 χ^2 /NDF:11.4/16

+ sign -77.057 $\pm$ 792.861 χ^2 /NDF: 36.7/33

All: 119.654 $\pm$ 559.381 χ^2 /NDF: 66.7/69

- sign 314.612 $\pm$ 789.319 χ^2 /NDF: 29.9/35

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



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

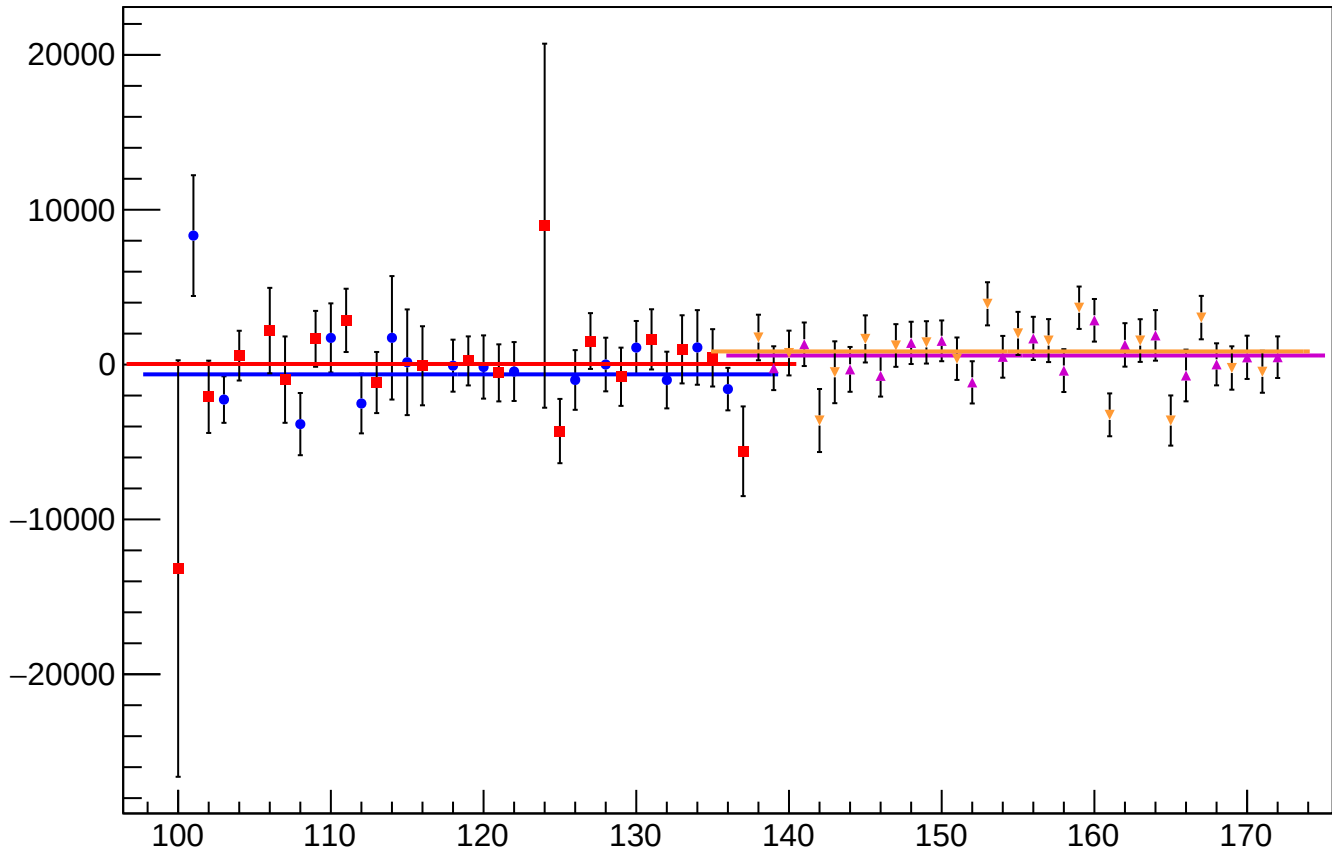
Left In: 4106.259+/-0.793 χ^2/NDF : 1088548.5/16

+ sign 3503.928+/-0.561 χ^2/NDF : 3384673.4/33

All: 3487.467+/-0.396 χ^2/NDF : 7245128.5/69

- sign 3471.153+/-0.558 χ^2/NDF : 3858738.6/35

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

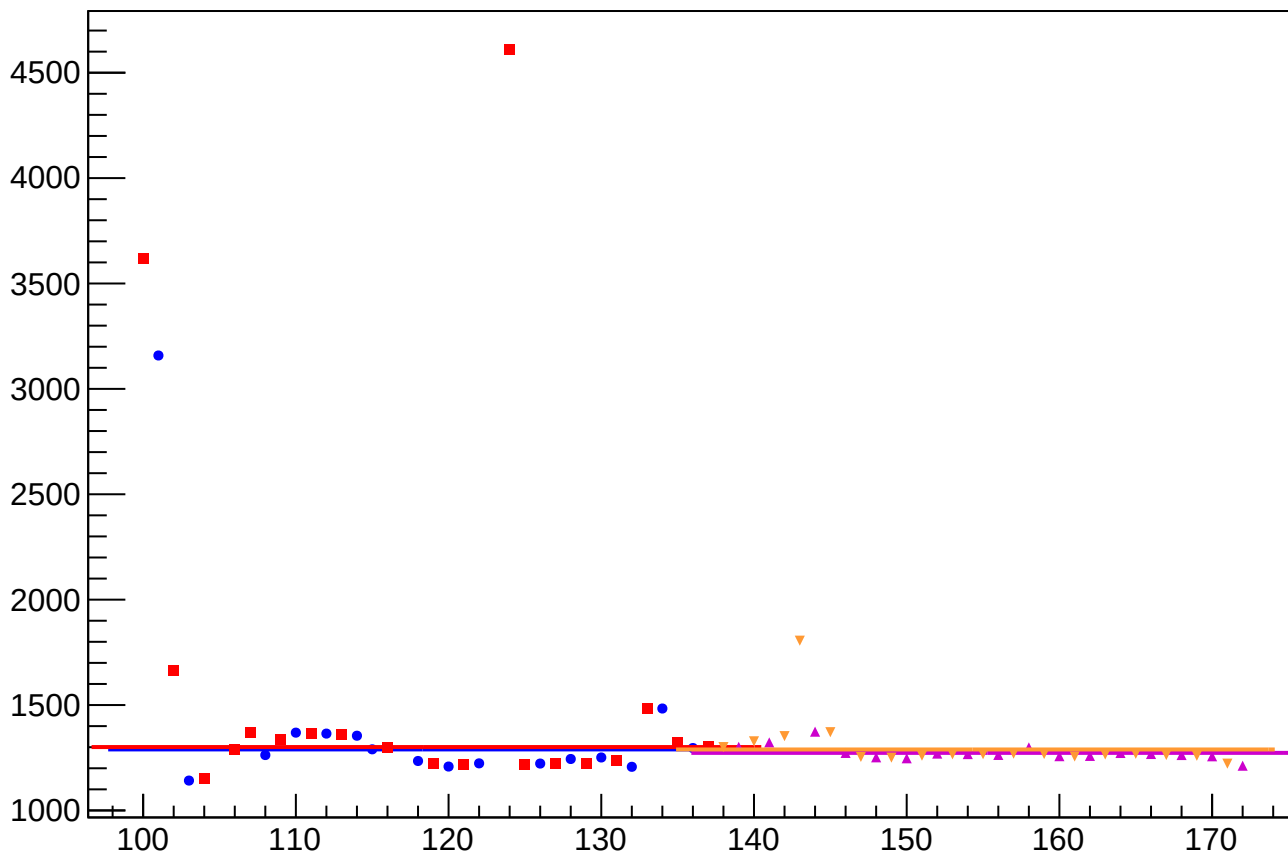
Left In: 586.987 ± 339.943 χ^2/NDF : 10.0/16

+ sign 362.015 ± 280.387 χ^2/NDF : 57.0/33

All: 385.059 ± 197.754 χ^2/NDF : 84.1/69

- sign 407.869 ± 278.952 χ^2/NDF : 27.1/35

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

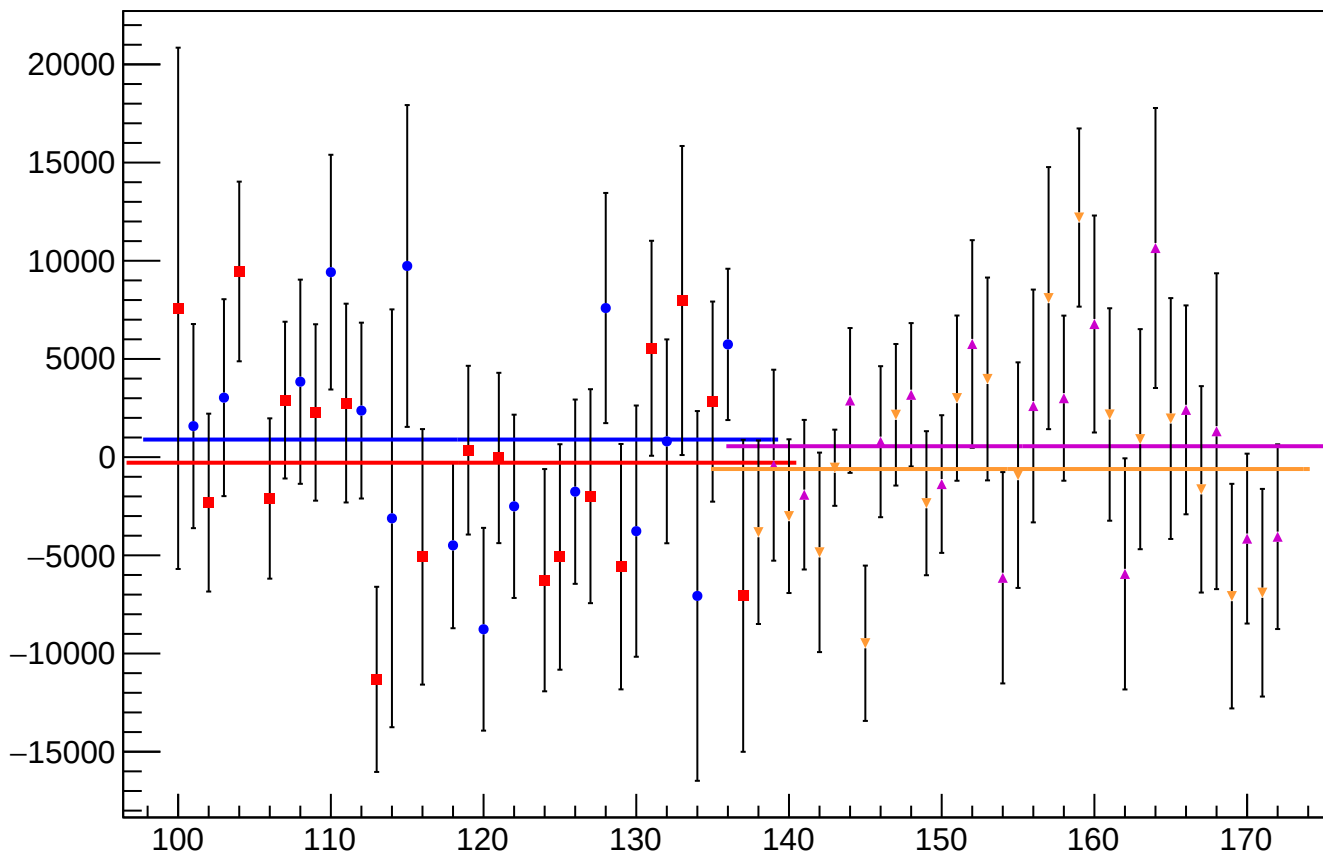
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -605.046 $\pm$ 989.464 χ^2 /NDF:21.8/17

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

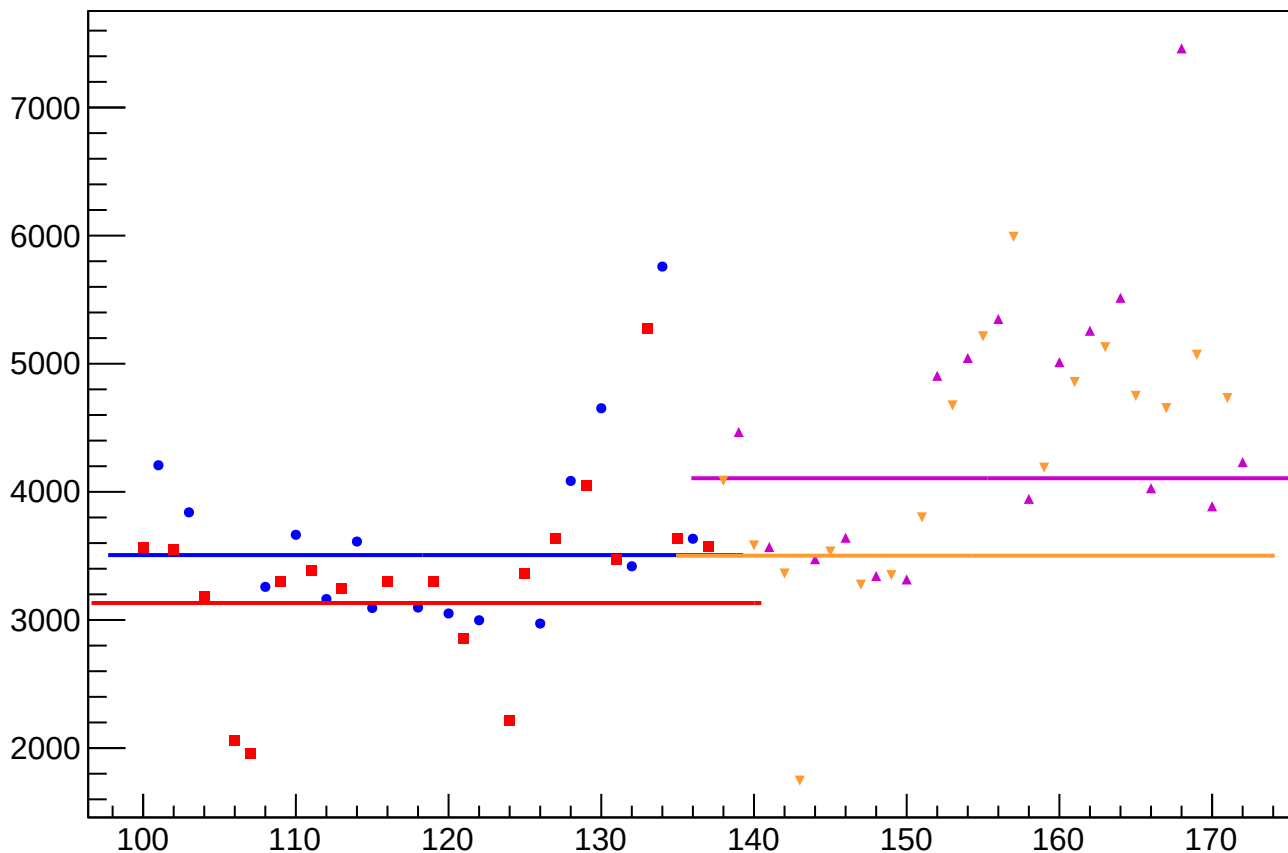
Left In: 556.396 $\pm$ 1121.529 χ^2 /NDF:11.4/16

+ sign -67.557 $\pm$ 792.763 χ^2 /NDF: 36.8/33

All: 42.576 $\pm$ 567.914 χ^2 /NDF: 67.1/69

- sign 158.677 $\pm$ 813.960 χ^2 /NDF: 30.3/35

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3506.484 $\pm$ 0.937 χ^2 /NDF: 353237.7/15

Left Out: 3501.985 $\pm$ 0.700 χ^2 /NDF: 3030703.1/17

Right Out: 3132.586 $\pm$ 0.837 χ^2 /NDF: 649611.1/18

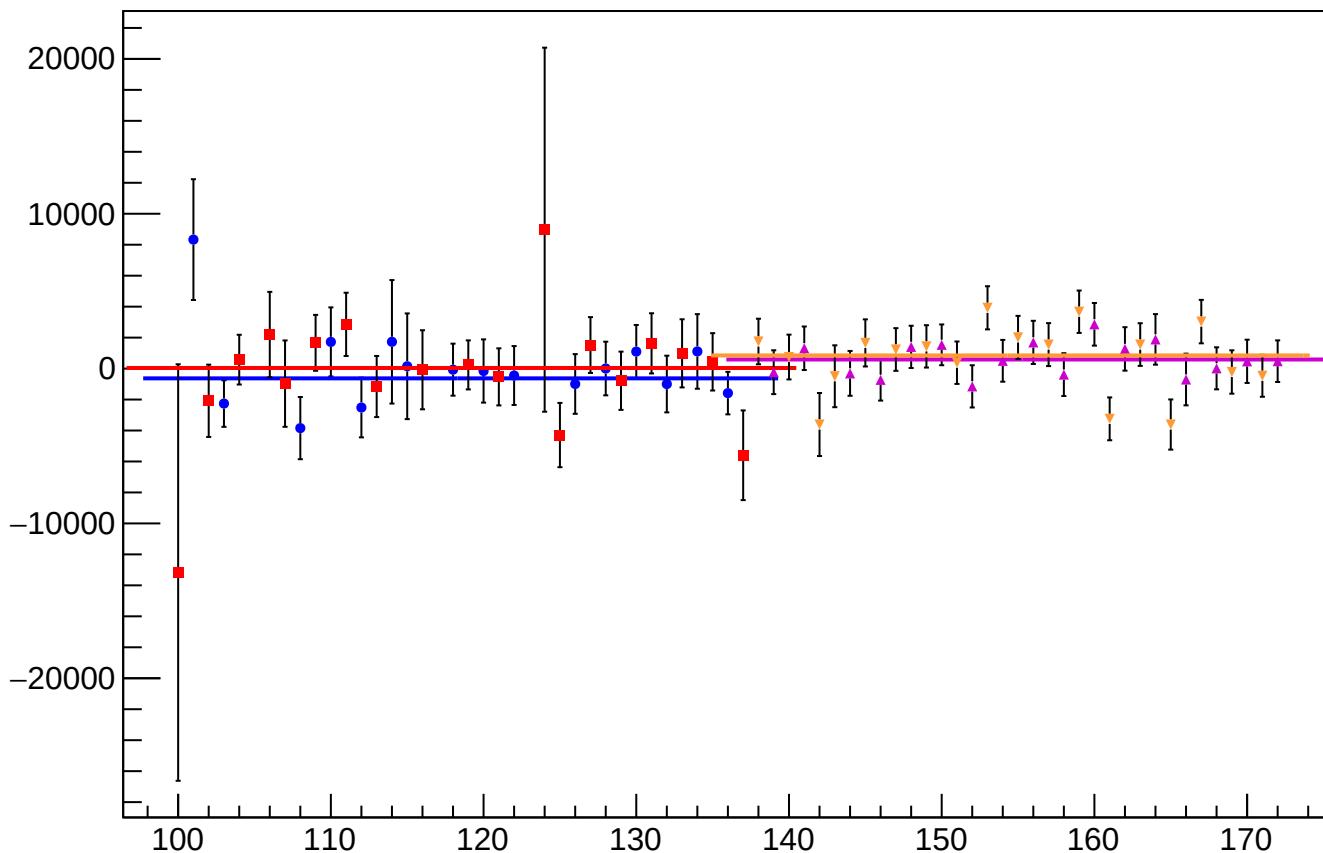
Left In: 4106.254 $\pm$ 0.793 χ^2 /NDF: 1088550.0/16

+ sign 3503.596 $\pm$ 0.561 χ^2 /NDF: 3383955.6/33

All: 3572.649 $\pm$ 0.402 χ^2 /NDF: 5866702.8/69

- sign 3645.444 $\pm$ 0.576 χ^2 /NDF: 2451576.1/35

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -631.427 $\pm$ 488.663 χ^2/NDF : 13.9/15

Left Out: 849.616 $\pm$ 342.350 χ^2/NDF : 36.9/17

Right Out: 38.623 $\pm$ 488.084 χ^2/NDF : 16.3/18

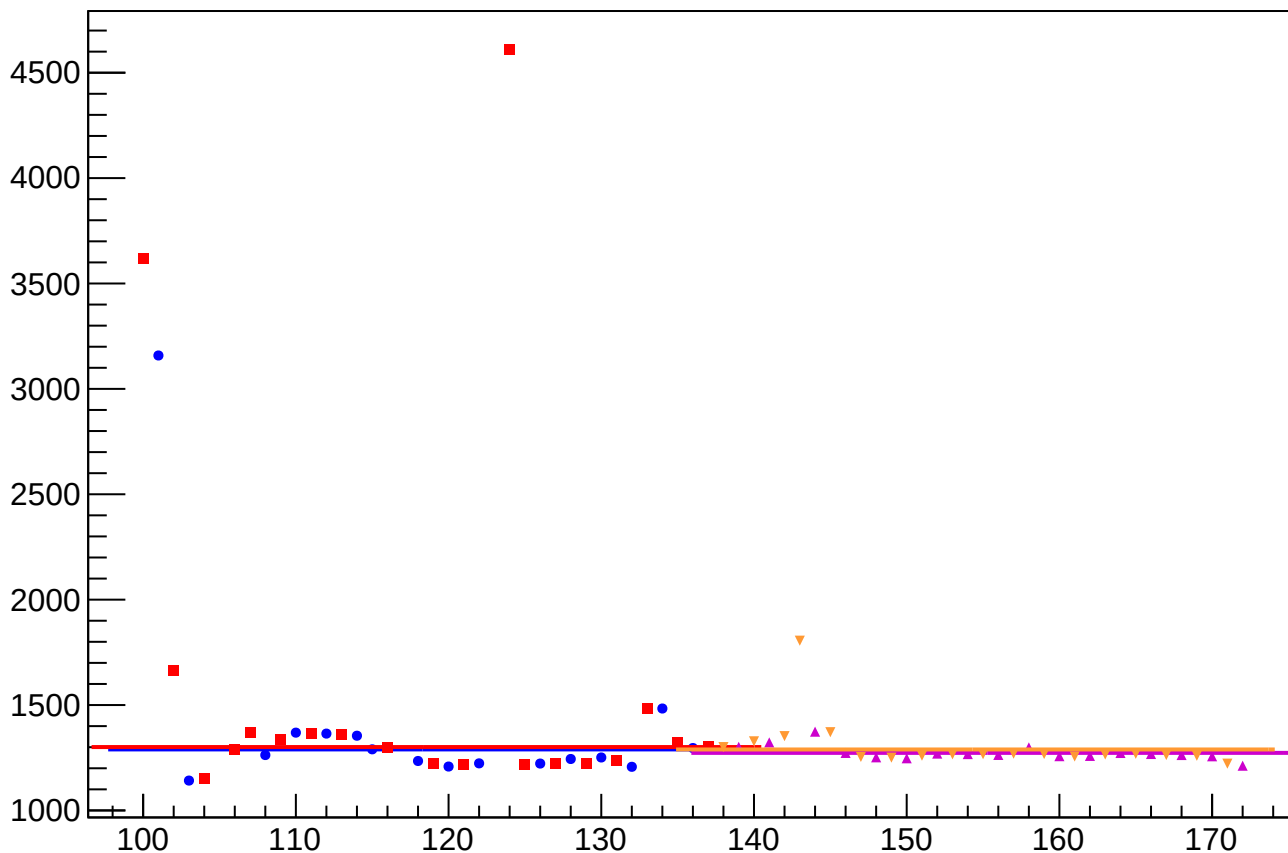
Left In: 586.987 $\pm$ 339.943 χ^2/NDF : 10.0/16

+ sign 362.015 $\pm$ 280.387 χ^2/NDF : 57.0/33

All: 385.059 $\pm$ 197.754 χ^2/NDF : 84.1/69

- sign 407.869 $\pm$ 278.952 χ^2/NDF : 27.1/35

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1289.466 $\pm$ 0.346 χ^2 /NDF: 514676.5/15

Left Out: 1289.208 $\pm$ 0.242 χ^2 /NDF: 157144.8/17

Right Out: 1300.684 $\pm$ 0.344 χ^2 /NDF: 325907.6/18

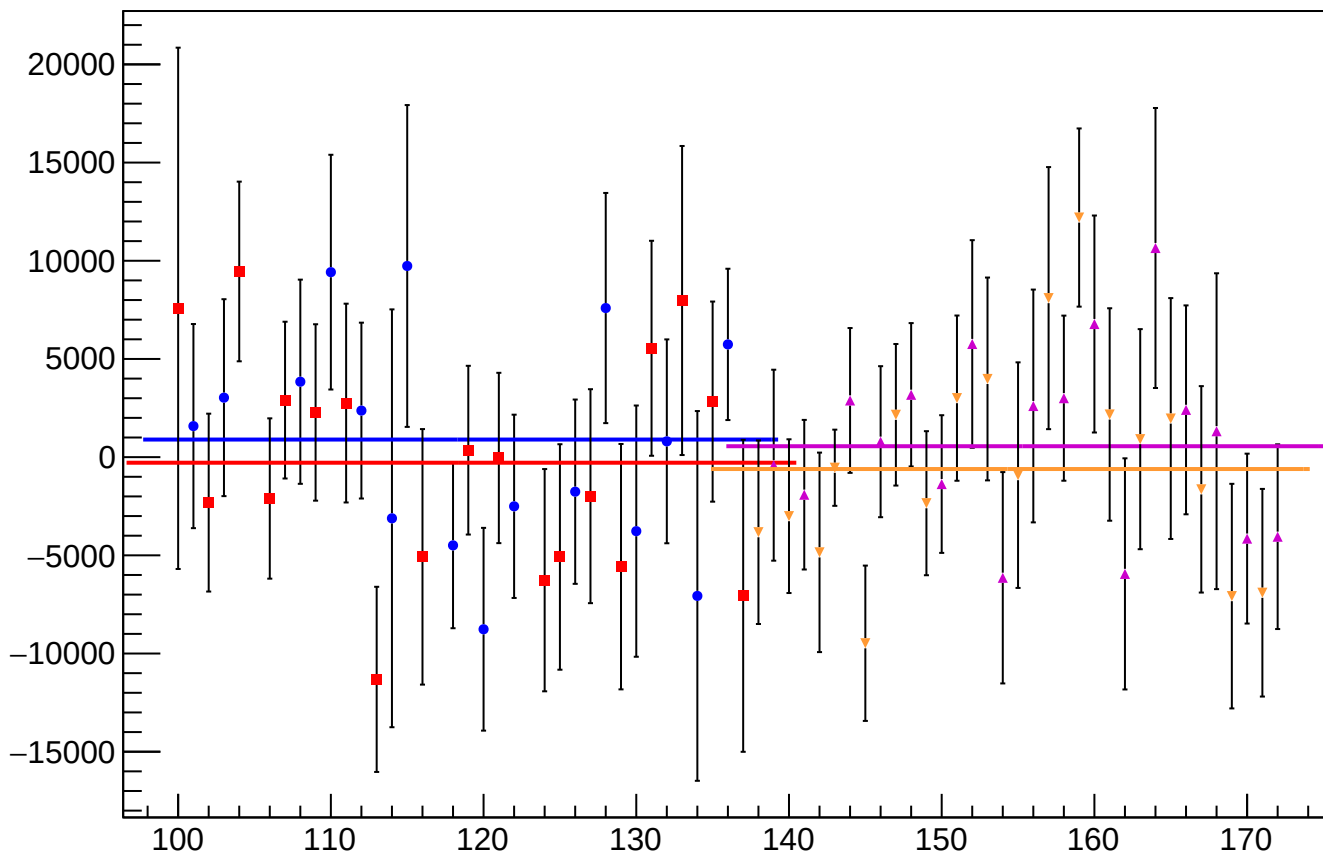
Left In: 1273.082 $\pm$ 0.240 χ^2 /NDF: 20041.8/16

+ sign 1289.293 $\pm$ 0.198 χ^2 /NDF: 671821.7/33

All: 1285.686 $\pm$ 0.140 χ^2 /NDF: 1022746.9/69

- sign 1282.121 $\pm$ 0.197 χ^2 /NDF: 350267.1/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 896.017 $\pm$ 1324.823 χ^2 /NDF: 14.1/15

Left Out: -605.046 $\pm$ 989.464 χ^2 /NDF:21.8/17

Right Out: -283.963 $\pm$ 1183.171 χ^2 /NDF: 18.6/18

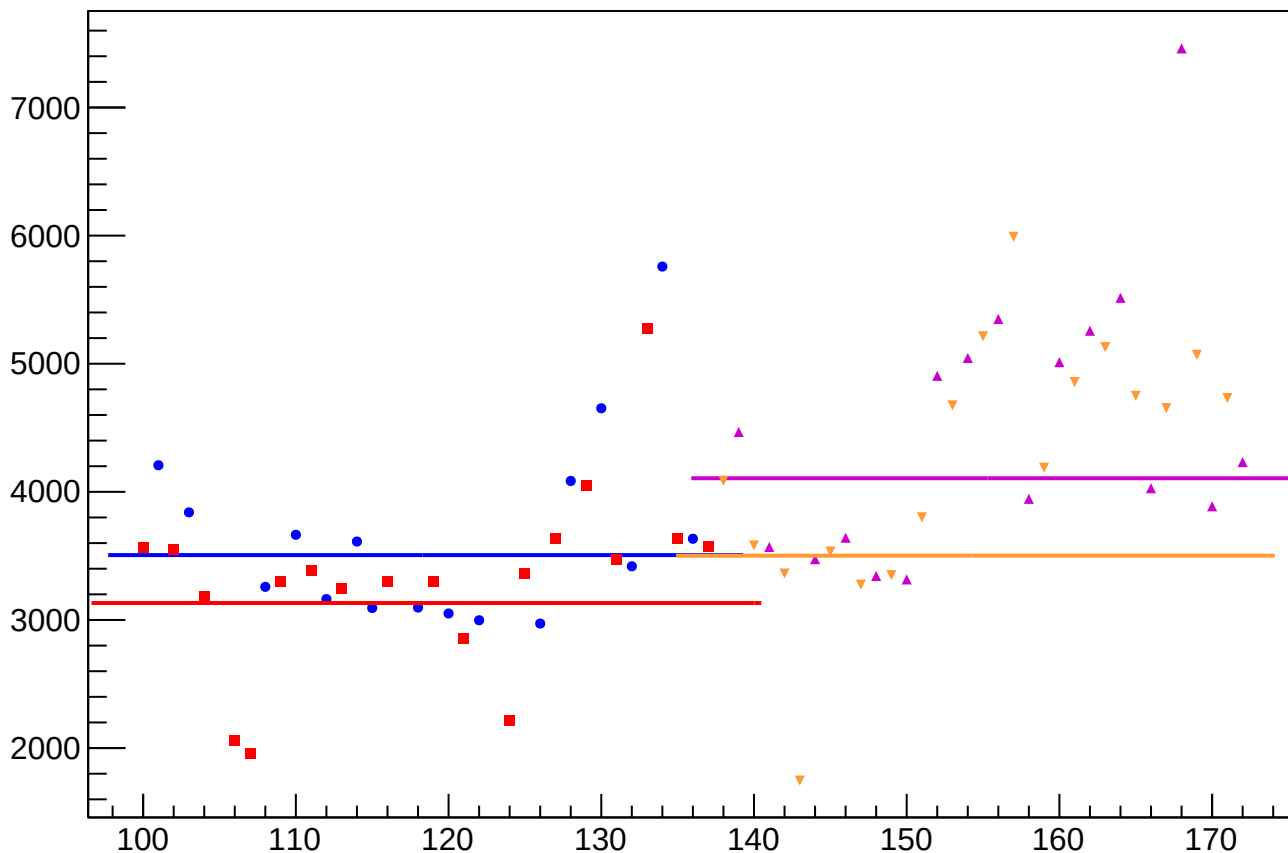
Left In: 556.396 $\pm$ 1121.529 χ^2 /NDF:11.4/16

+ sign -67.557 $\pm$ 792.763 χ^2 /NDF: 36.8/33

All: 42.576 $\pm$ 567.914 χ^2 /NDF: 67.1/69

- sign 158.677 $\pm$ 813.960 χ^2 /NDF: 30.3/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



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

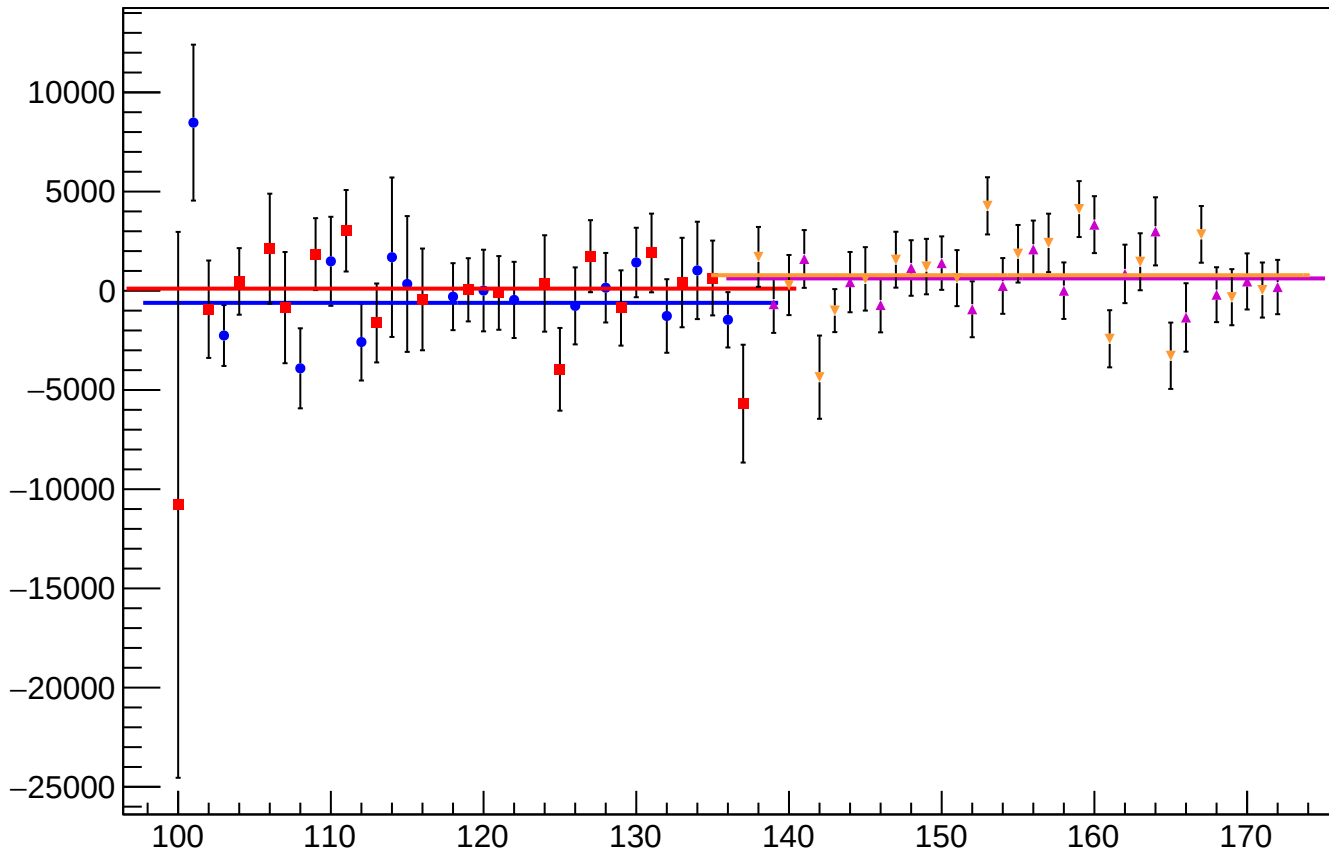
Left In: 4106.254 ± 0.793 χ^2/NDF : 1088550.0/16

+ sign 3503.596 ± 0.561 χ^2/NDF : 3383955.6/33

All: 3572.649 ± 0.402 χ^2/NDF : 5866702.8/69

- sign 3645.444 ± 0.576 χ^2/NDF : 2451576.1/35

dit_asym_atl1r2_dd_atl2r1_dd_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

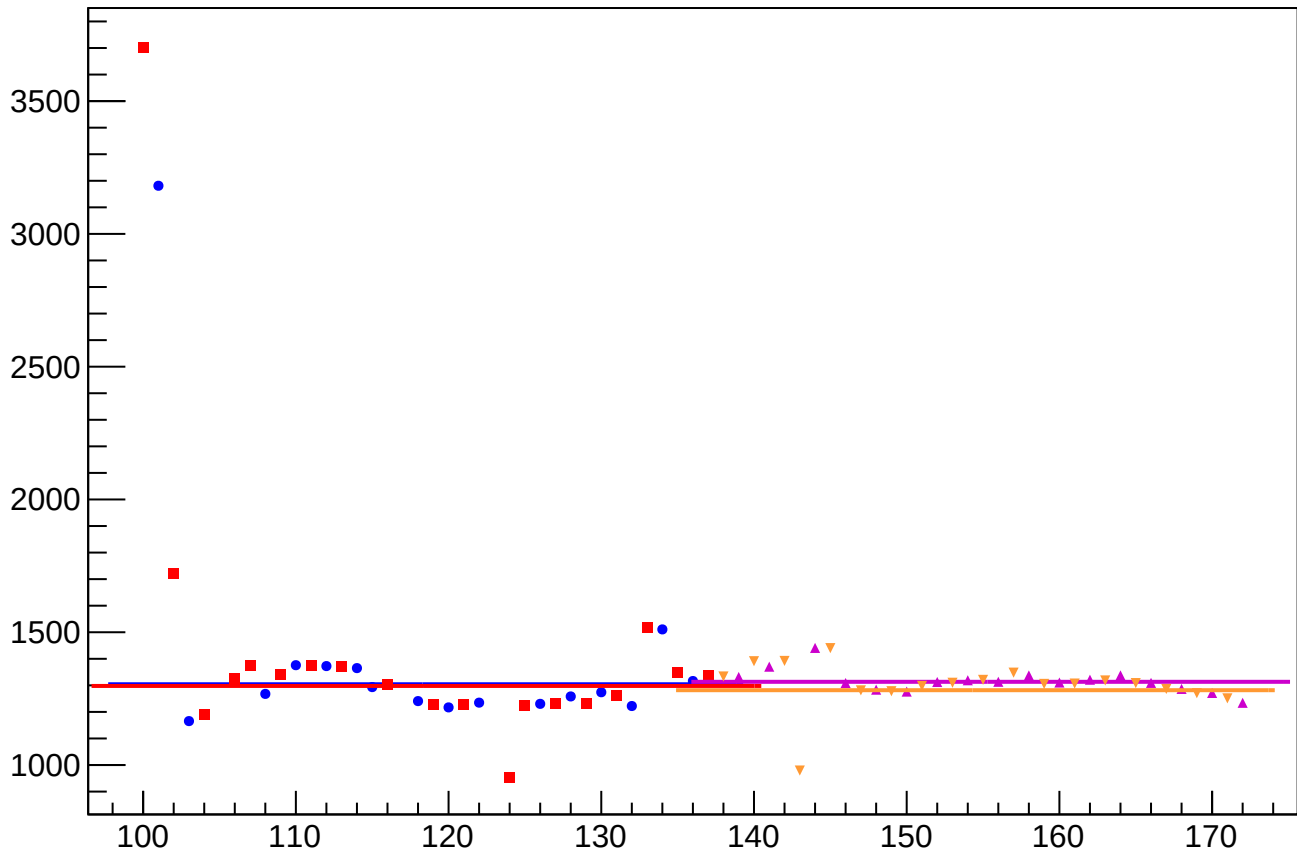
Left In: 623.077 ± 350.788 χ^2/NDF : 12.5/16

+ sign 335.786 ± 280.500 χ^2/NDF : 56.4/33

All: 390.461 ± 199.689 χ^2/NDF : 84.5/69

- sign 446.646 ± 284.346 χ^2/NDF : 28.1/35

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.4/15

Left Out: 1281.781 $\pm$ 0.241 χ^2 /NDF: 204276.8/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213096.9/18

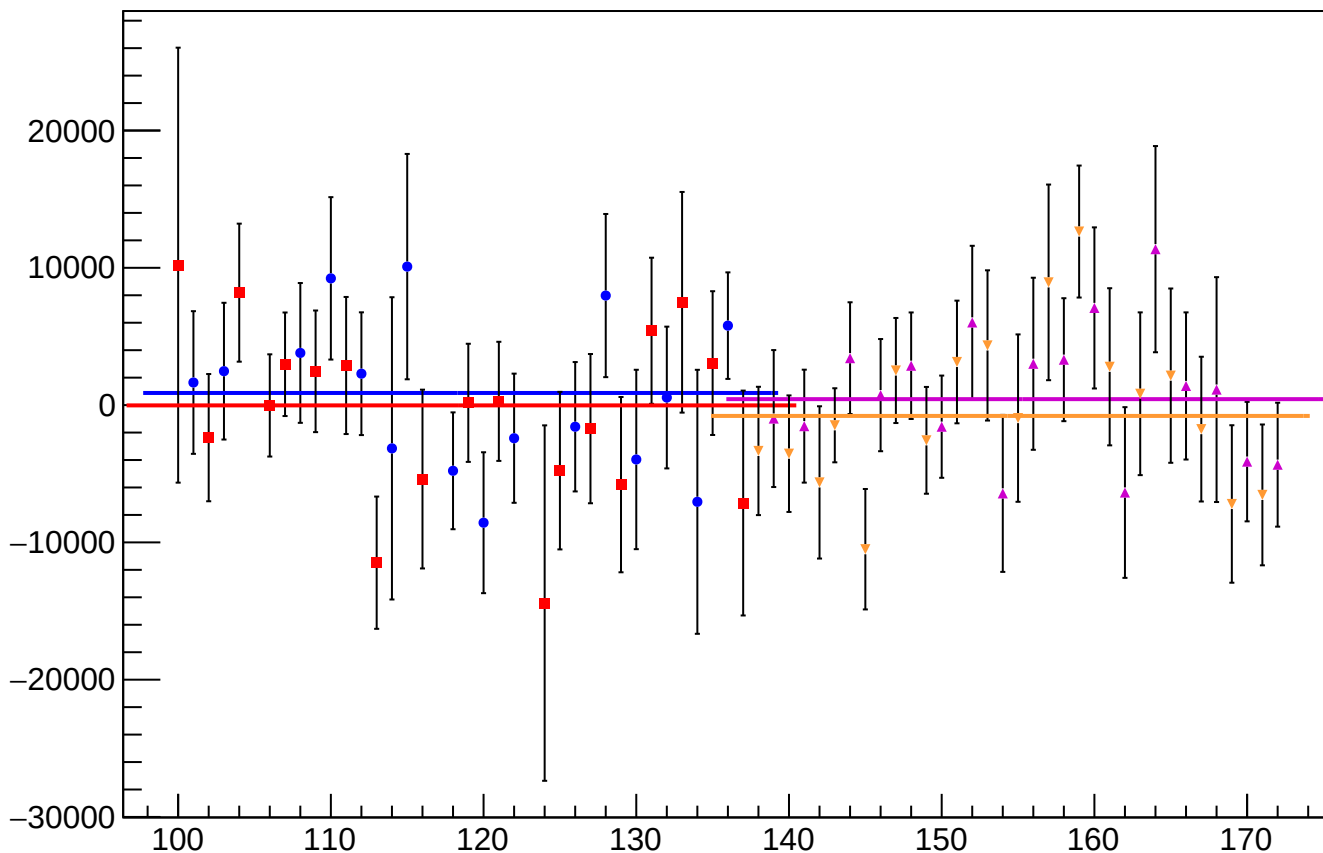
Left In: 1313.353 $\pm$ 0.248 χ^2 /NDF: 30163.2/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717631.8/33

All: 1298.365 $\pm$ 0.141 χ^2 /NDF: 966788.1/69

- sign 1308.012 $\pm$ 0.201 χ^2 /NDF: 244610.4/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 884.058 $\pm$ 1327.399 χ^2 /NDF: 14.1/15

Left Out: -787.990 $\pm$ 1104.859 χ^2 /NDF:21.9/17

Right Out: -20.681 $\pm$ 1200.015 χ^2 /NDF: 16.8/18

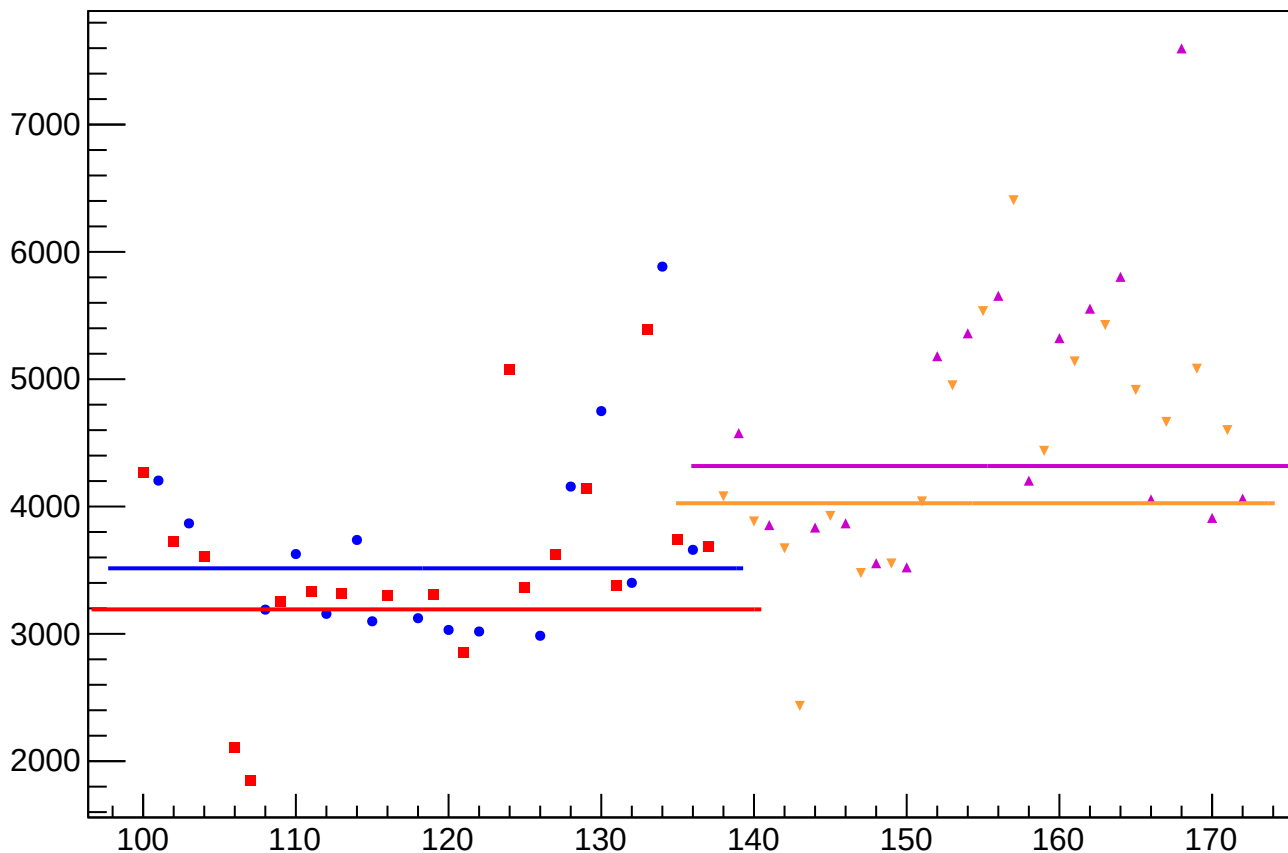
Left In: 434.012 $\pm$ 1178.168 χ^2 /NDF:11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3514.746 $\pm$ 0.939 χ^2 /NDF: 375078.6/15

Left Out: 4025.912 $\pm$ 0.781 χ^2 /NDF:1545161.3/17

Right Out: 3192.203 $\pm$ 0.849 χ^2 /NDF: 772495.7/18

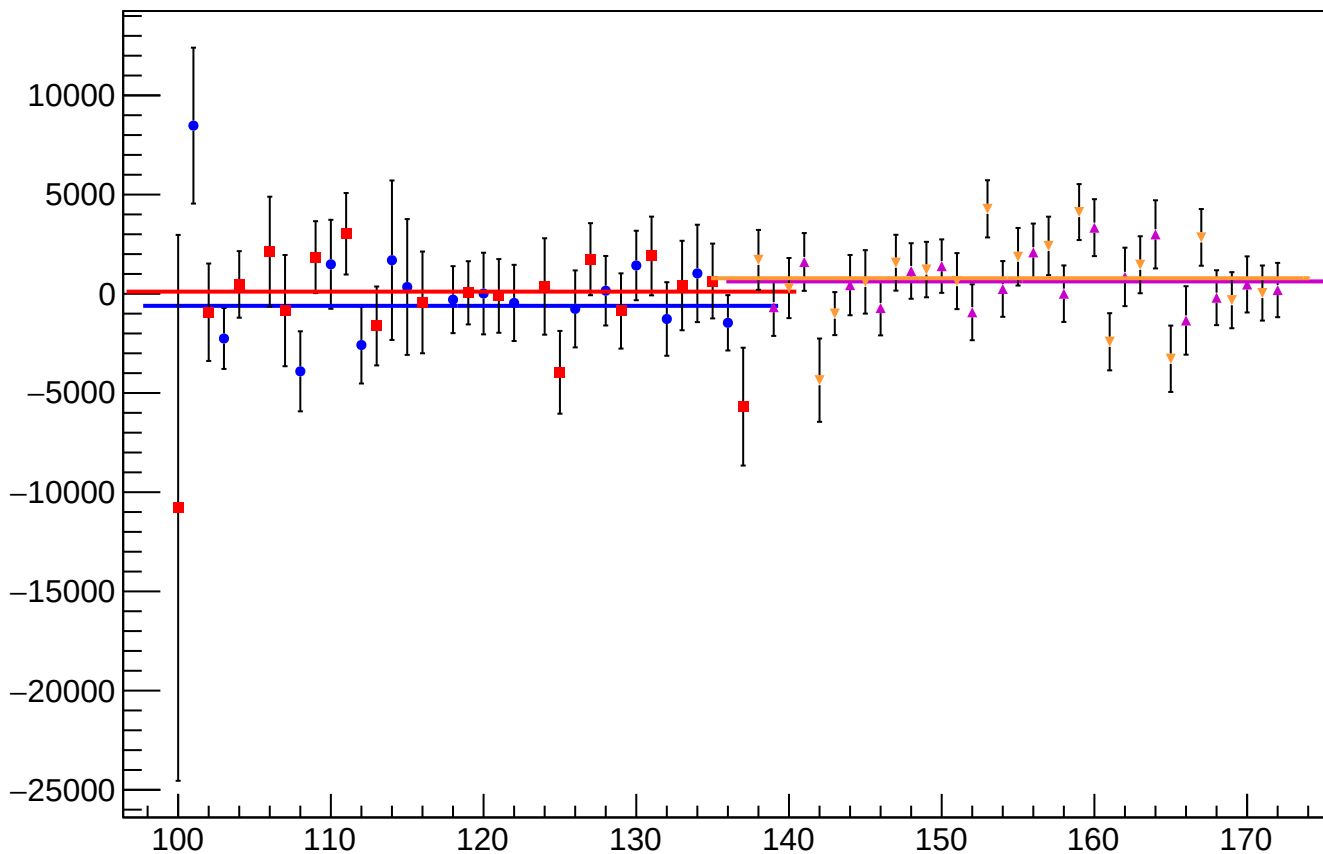
Left In: 4318.026 $\pm$ 0.833 χ^2 /NDF:1024028.2/16

+ sign 3816.710 $\pm$ 0.600 χ^2 /NDF: 2095444.4/33

All: 3790.826 $\pm$ 0.422 χ^2 /NDF: 4791987.5/69

- sign 3765.456 $\pm$ 0.594 χ^2 /NDF: 2692863.6/35

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



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

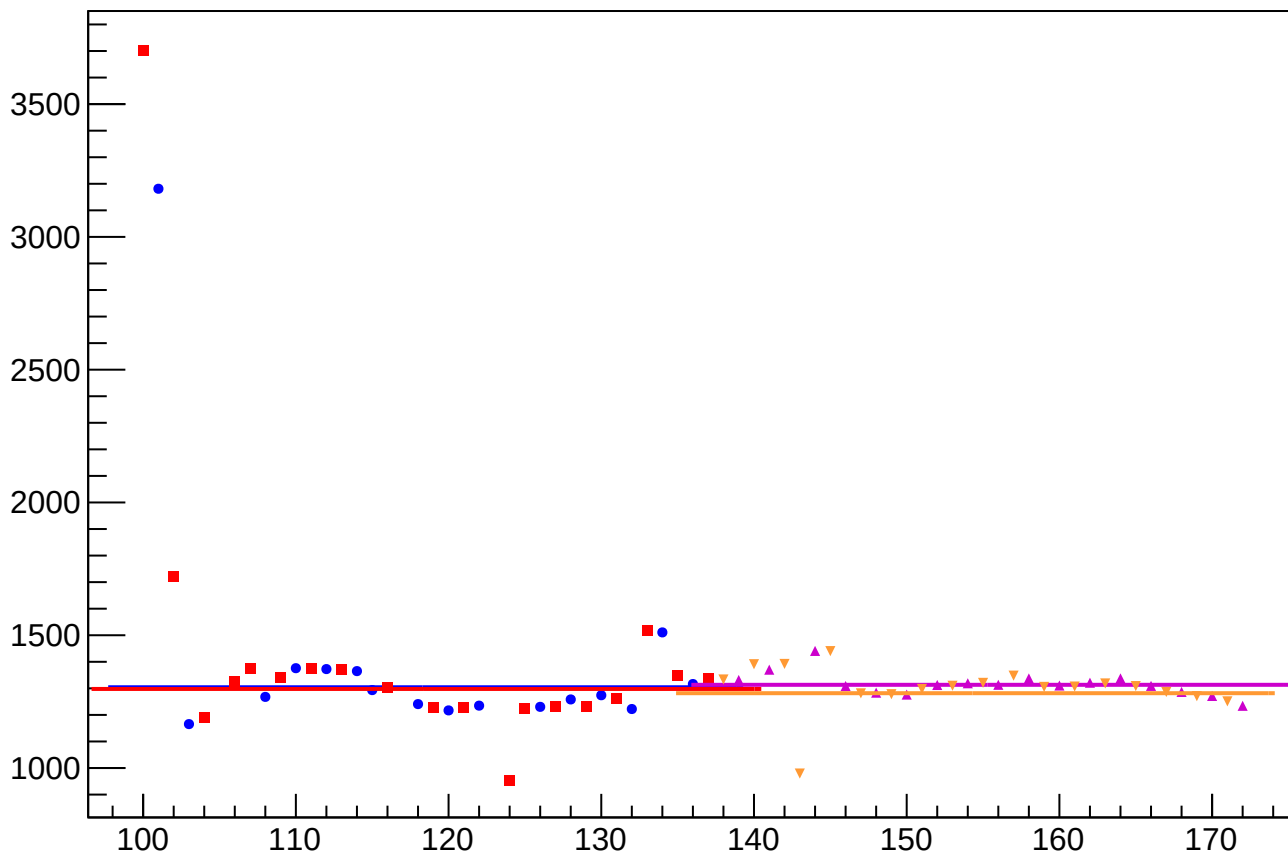
Left In: 623.078 ± 350.788 χ^2/NDF : 12.5/16

+ sign 335.786 ± 280.500 χ^2/NDF : 56.4/33

All: 390.462 ± 199.689 χ^2/NDF : 84.5/69

- sign 446.648 ± 284.346 χ^2/NDF : 28.1/35

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.102 $\pm$ 0.349 χ^2 /NDF: 510589.6/15

Left Out: 1281.782 $\pm$ 0.241 χ^2 /NDF: 204277.7/17

Right Out: 1297.796 $\pm$ 0.343 χ^2 /NDF: 213097.0/18

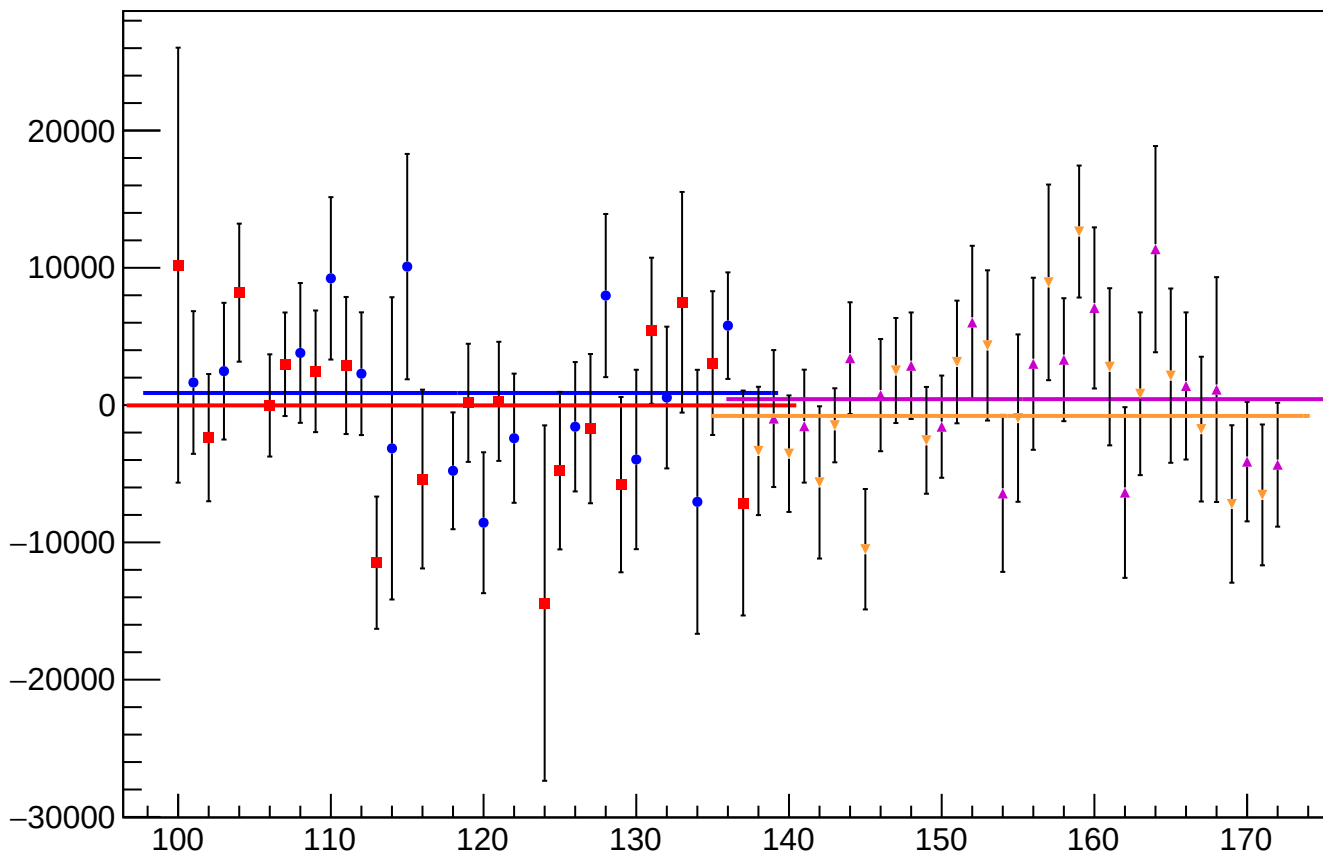
Left In: 1313.354 $\pm$ 0.248 χ^2 /NDF: 30163.9/16

+ sign 1288.973 $\pm$ 0.198 χ^2 /NDF: 717632.7/33

All: 1298.366 $\pm$ 0.141 χ^2 /NDF: 966789.9/69

- sign 1308.013 $\pm$ 0.201 χ^2 /NDF: 244611.3/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 884.047 $\pm$ 1327.396 χ^2 /NDF: 14.1/15

Left Out: -787.988 $\pm$ 1104.861 χ^2 /NDF: 21.9/17

Right Out: -20.677 $\pm$ 1200.012 χ^2 /NDF: 16.8/18

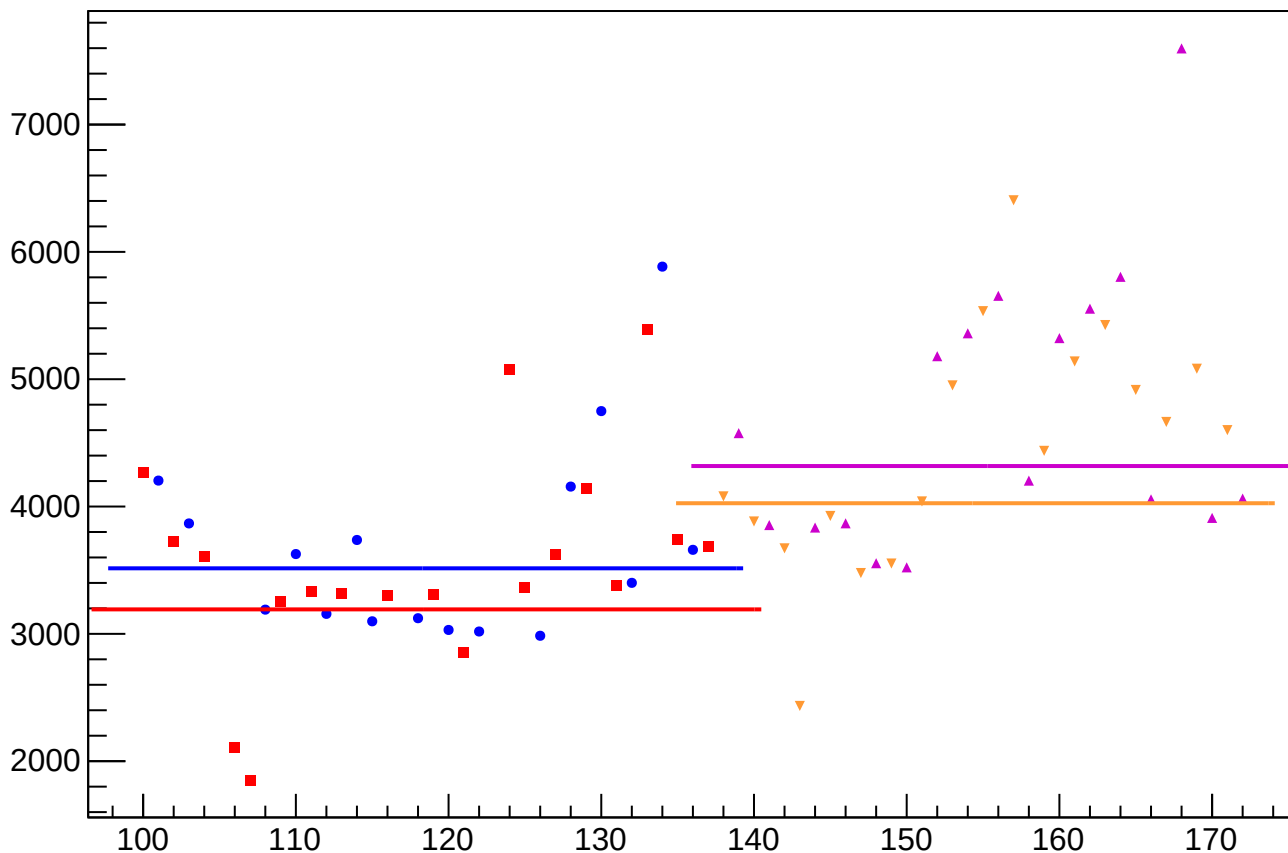
Left In: 434.011 $\pm$ 1178.170 χ^2 /NDF: 11.4/16

+ sign -103.680 $\pm$ 849.187 χ^2 /NDF: 37.0/33

All: 55.159 $\pm$ 597.446 χ^2 /NDF: 65.4/69

- sign 210.842 $\pm$ 840.708 χ^2 /NDF: 28.3/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 3514.737 $\pm$ 0.939 χ^2 /NDF: 375082.8/15

Left Out: 4025.918 $\pm$ 0.781 χ^2 /NDF:1545162.6/17

Right Out: 3192.196 $\pm$ 0.849 χ^2 /NDF: 772497.9/18

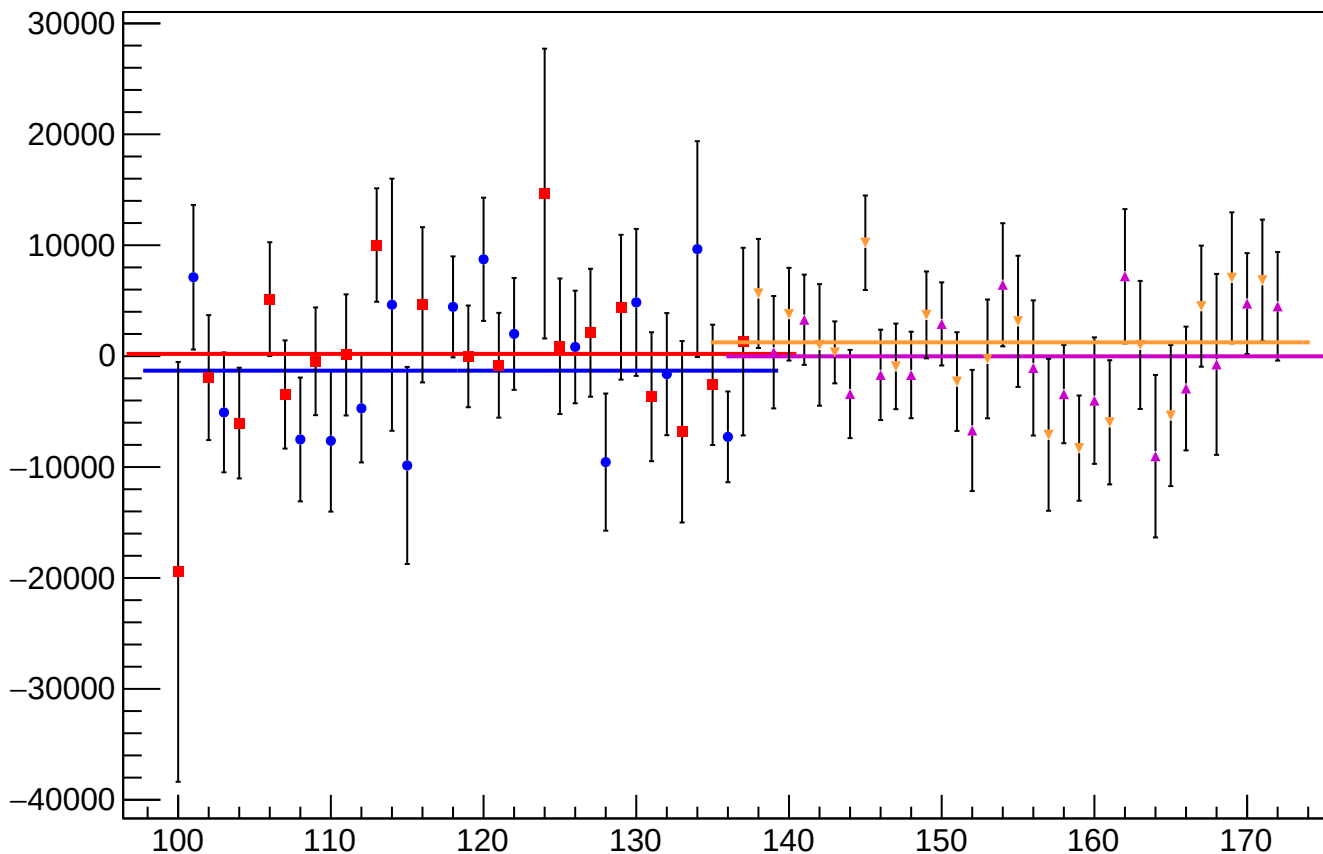
Left In: 4318.032 $\pm$ 0.833 χ^2 /NDF:1024030.4/16

+ sign 3816.709 $\pm$ 0.600 χ^2 /NDF: 2095460.5/33

All: 3790.824 $\pm$ 0.422 χ^2 /NDF: 4792031.2/69

- sign 3765.453 $\pm$ 0.594 χ^2 /NDF: 2692891.0/35

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

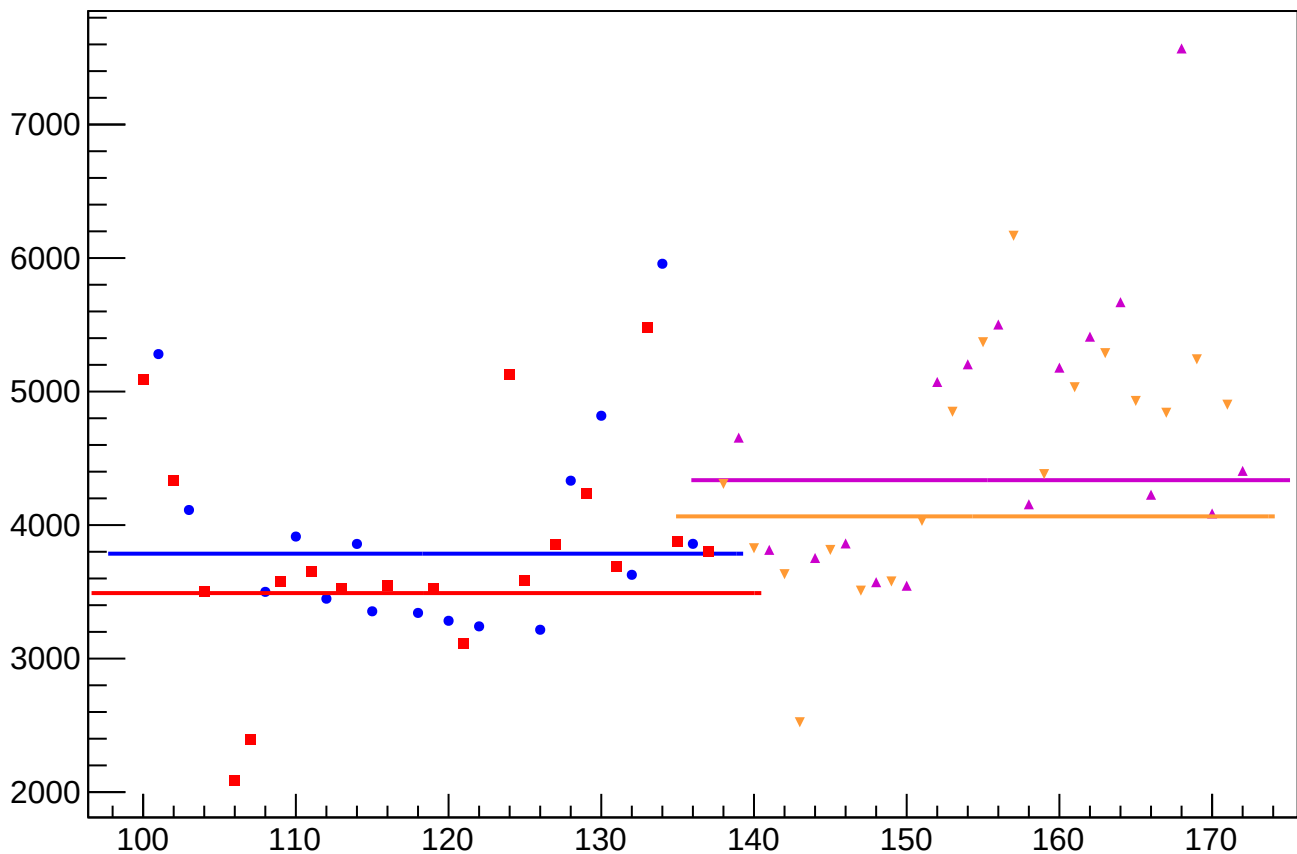
Left In: -16.762+/-1180.340 χ^2/NDF : 11.5/16

+ sign 283.601+/-877.958 χ^2/NDF : 37.4/33

All: 182.047+/-623.139 χ^2/NDF : 60.6/69

- sign 78.955+/-884.584 χ^2/NDF : 23.1/35

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

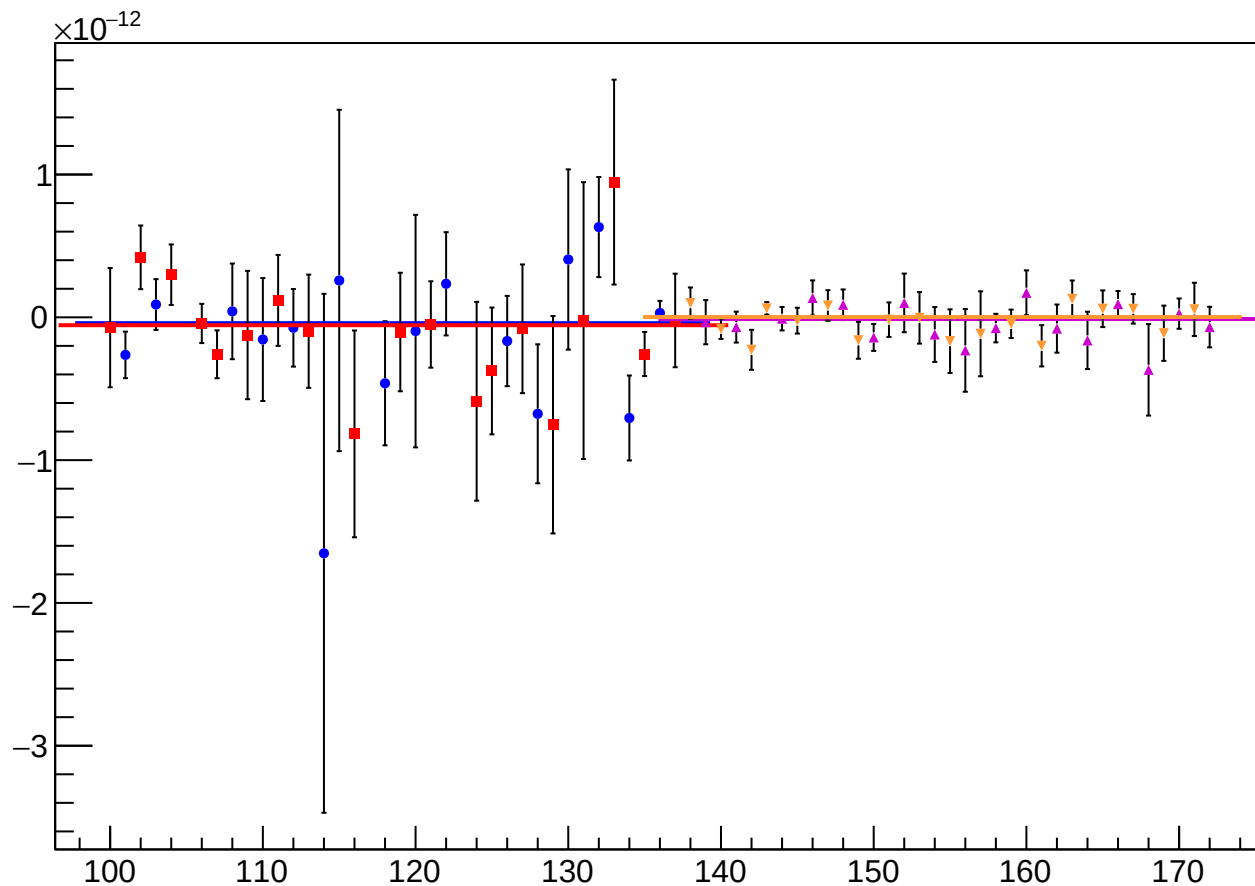
Left In: 4336.304+/-0.835 χ^2/NDF : 932690.4/16

+ sign 3960.082+/-0.621 χ^2/NDF : 1832961.4/33

All: 3959.975+/-0.439 χ^2/NDF : 3809370.1/69

- sign 3959.868+/-0.622 χ^2/NDF : 1976408.6/35

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.8/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

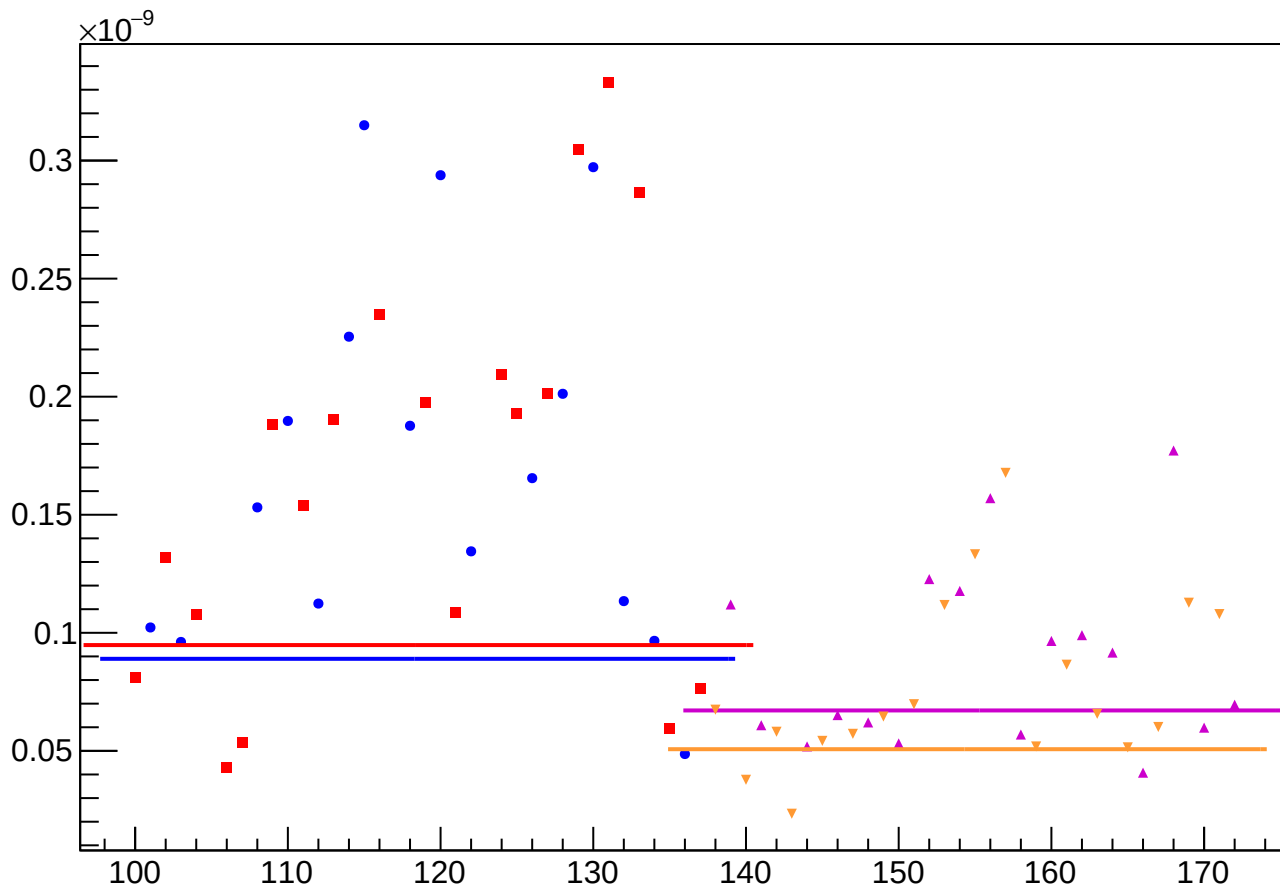
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.0/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 58.3/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.2/35

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



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

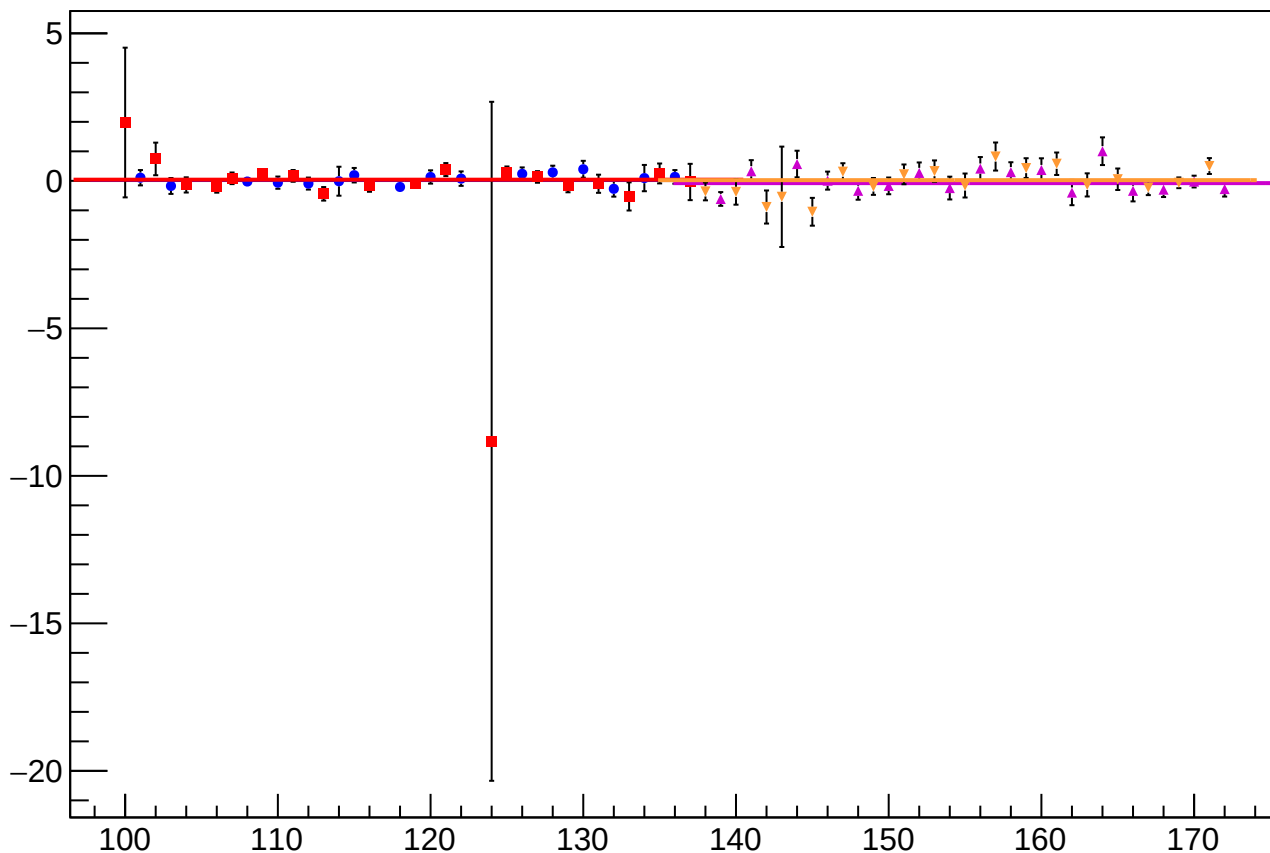
Left In: 0.000+/-0.000 χ^2/NDF : 1375148.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 4528054.6/33

All: 0.000+/-0.000 χ^2/NDF : 8342582.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3414862.9/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.058 χ^2/NDF : 9.4/15

Left Out: 0.023 ± 0.078 χ^2/NDF : 24.2/17

Right Out: 0.039 ± 0.055 χ^2/NDF : 20.0/18

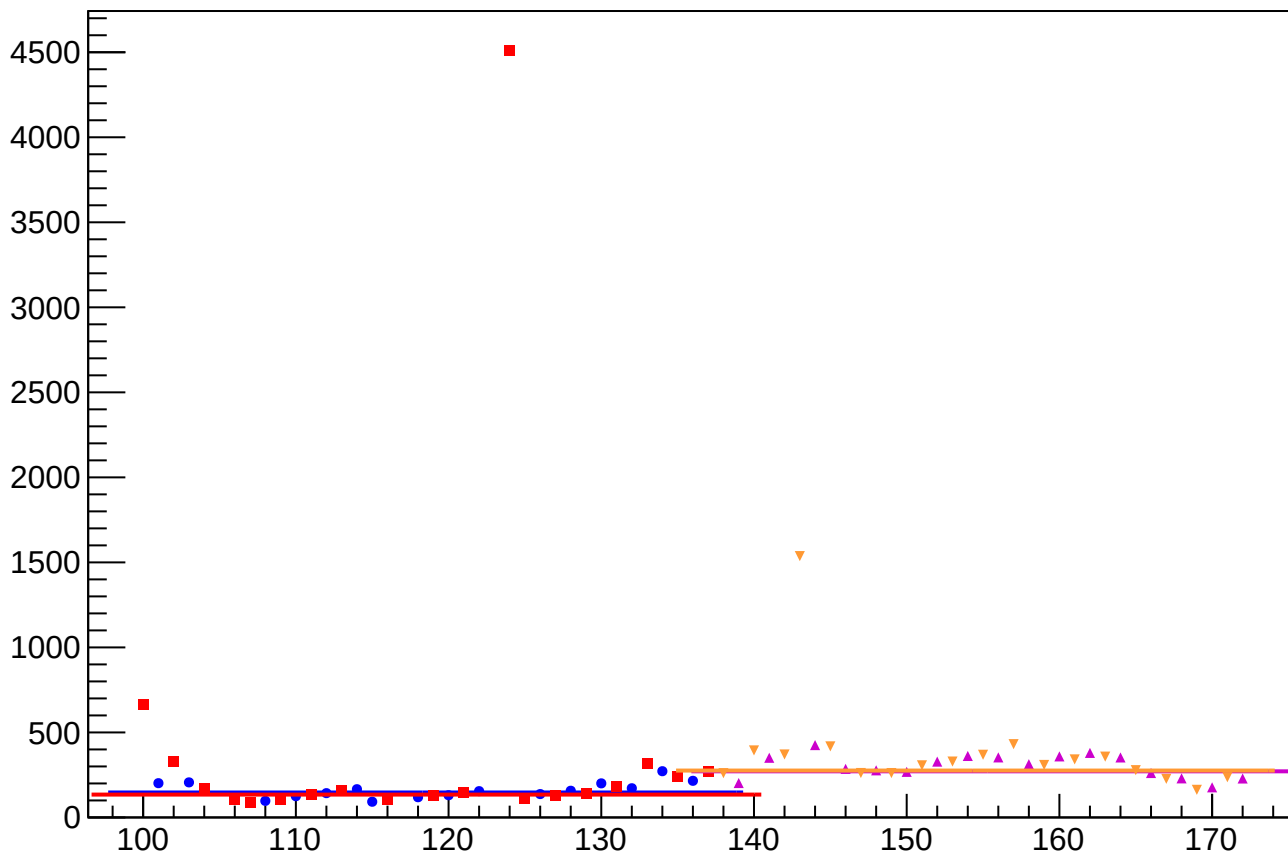
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 275.807 $\pm$ 0.055 χ^2 /NDF: 2935721.4/17

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

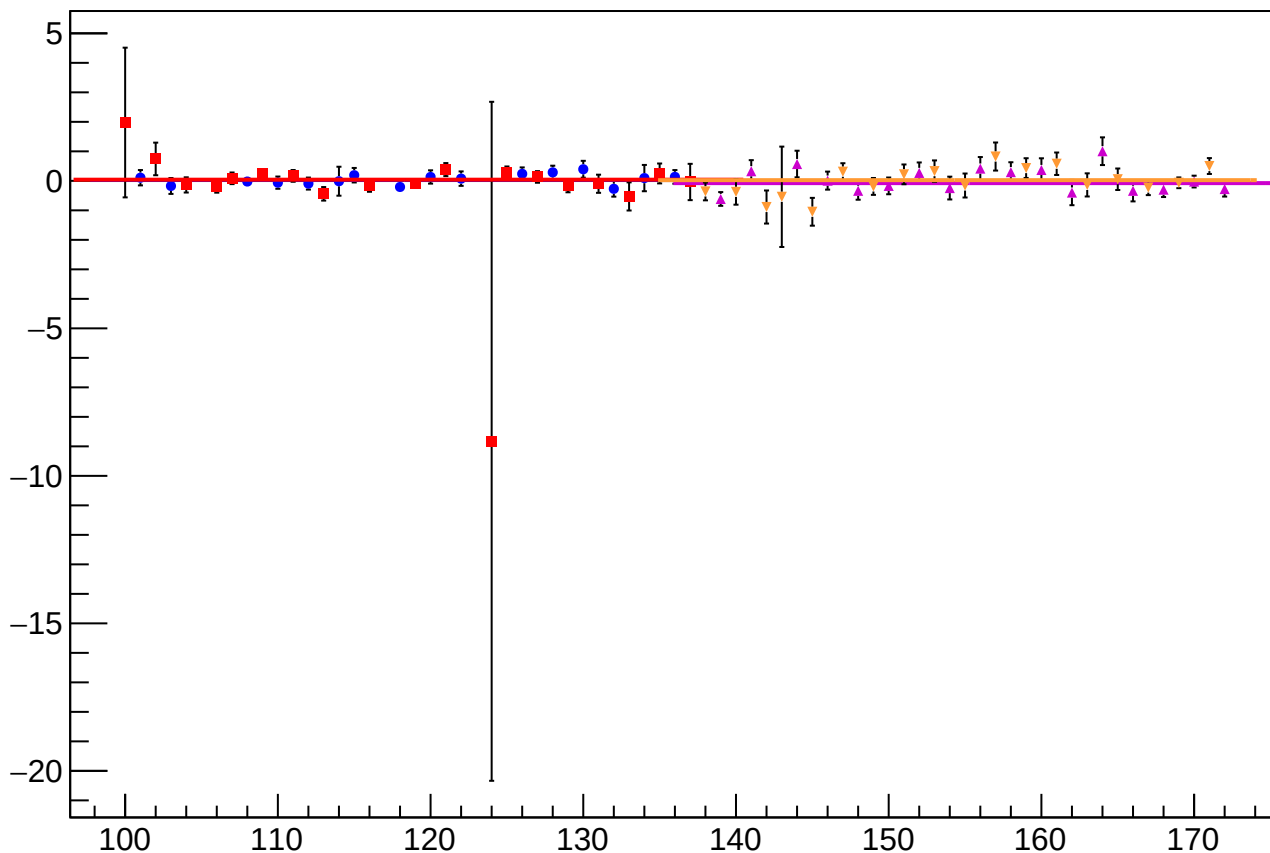
Left In: 271.262 $\pm$ 0.053 χ^2 /NDF: 1627326.4/16

+ sign 192.506 $\pm$ 0.033 χ^2 /NDF: 7473192.6/33

All: 186.815 $\pm$ 0.023 χ^2 /NDF: 15058163.4/69

- sign 181.610 $\pm$ 0.031 χ^2 /NDF: 7527307.0/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_dd_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

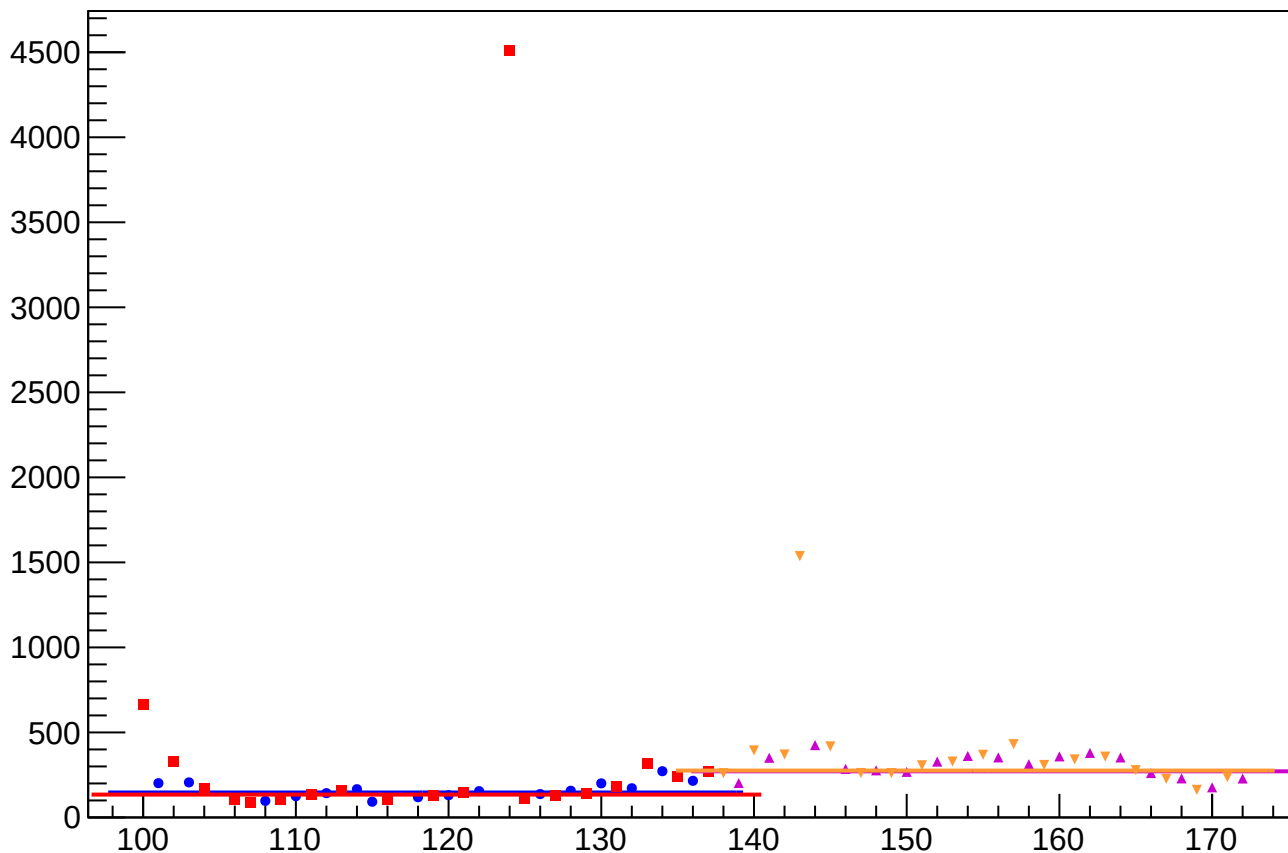
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829 $\pm$ 0.041 χ^2 /NDF: 998704.7/15

Left Out: 275.807 $\pm$ 0.055 χ^2 /NDF: 2935721.4/17

Right Out: 134.505 $\pm$ 0.039 χ^2 /NDF: 1606383.2/18

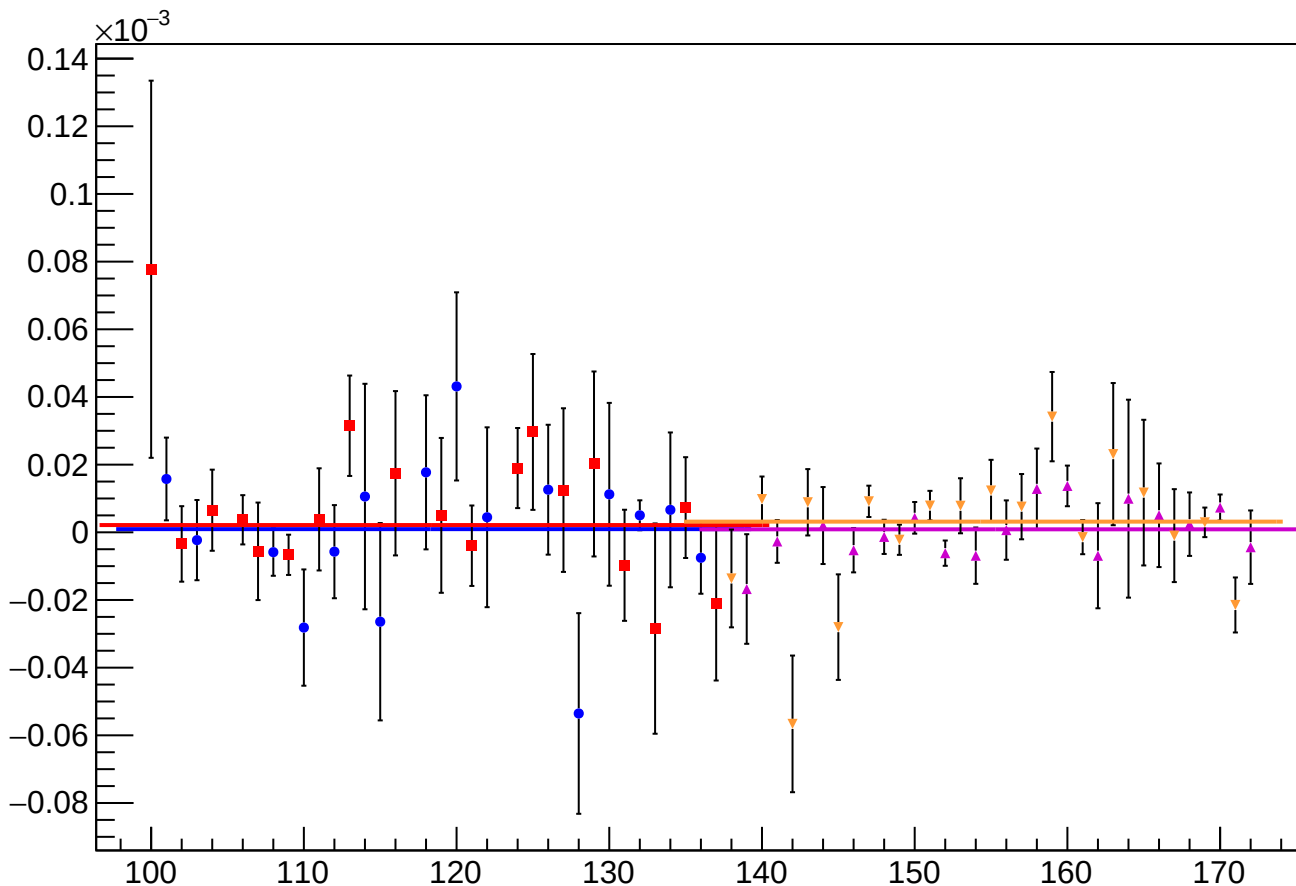
Left In: 271.262 $\pm$ 0.053 χ^2 /NDF: 1627326.4/16

+ sign 192.506 $\pm$ 0.033 χ^2 /NDF: 7473192.6/33

All: 186.815 $\pm$ 0.023 χ^2 /NDF: 15058163.4/69

- sign 181.610 $\pm$ 0.031 χ^2 /NDF: 7527307.0/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

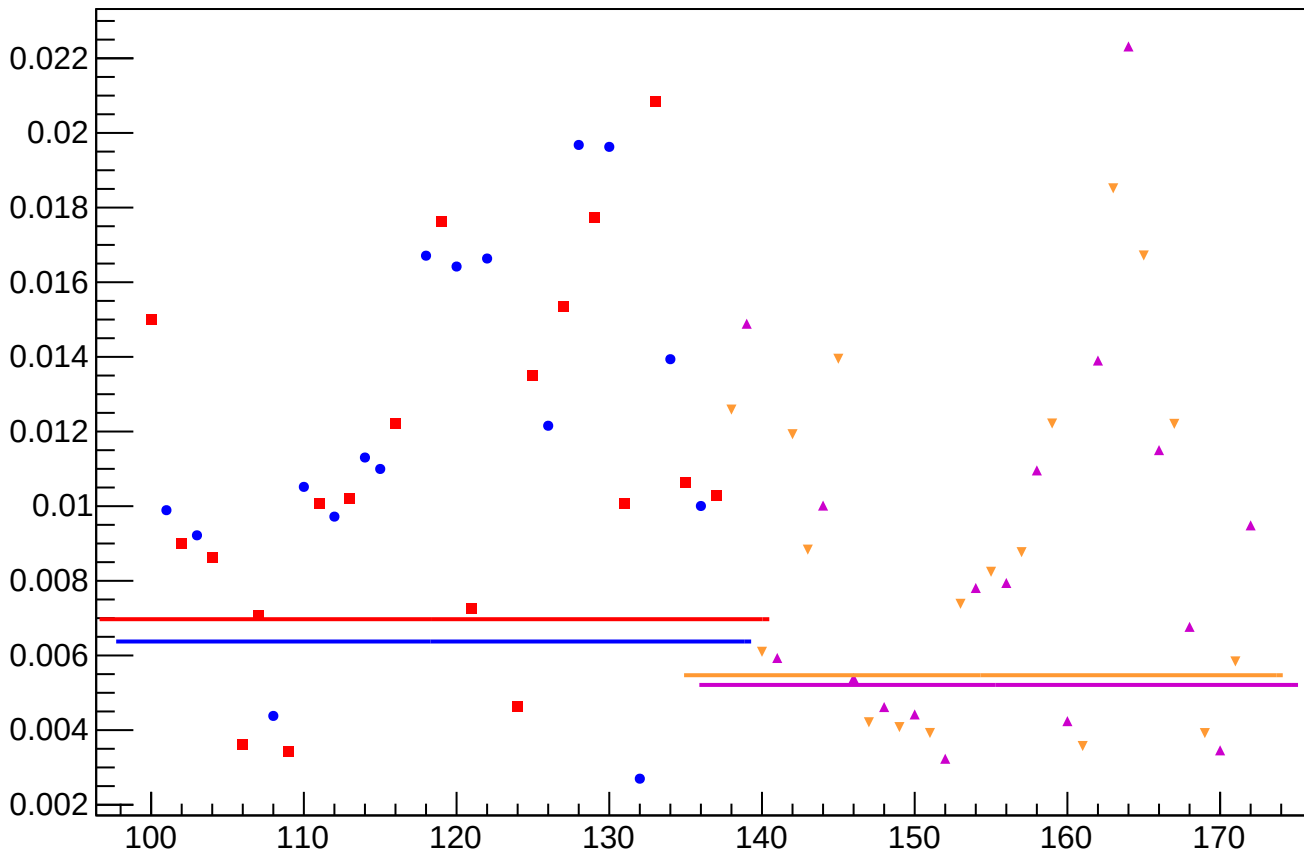
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 53.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.6/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

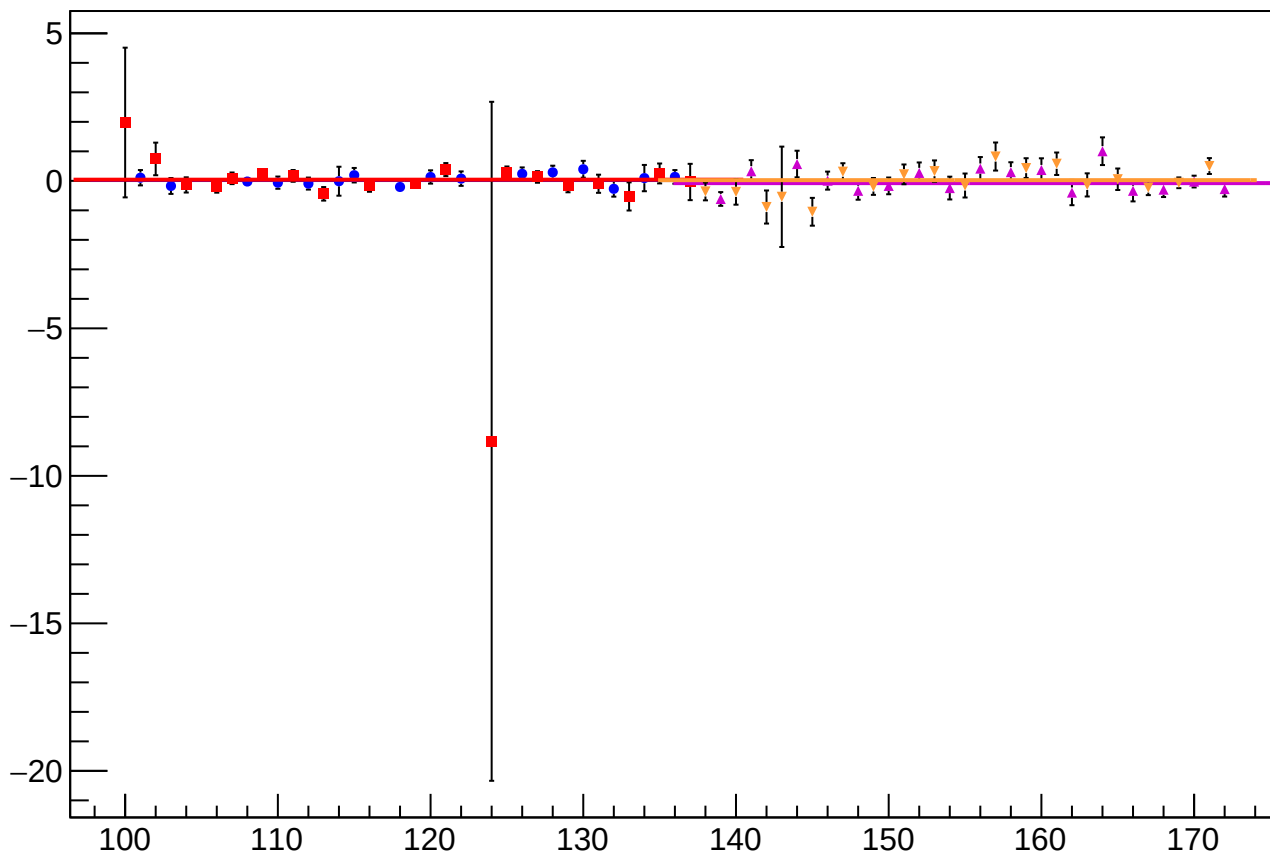
Left In: 0.005+/-0.000 χ^2/NDF : 5078304.7/16

+ sign 0.006+/-0.000 χ^2/NDF : 10299724.9/33

All: 0.006+/-0.000 χ^2/NDF : 19319338.9/69

- sign 0.006+/-0.000 χ^2/NDF : 9016158.2/35

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

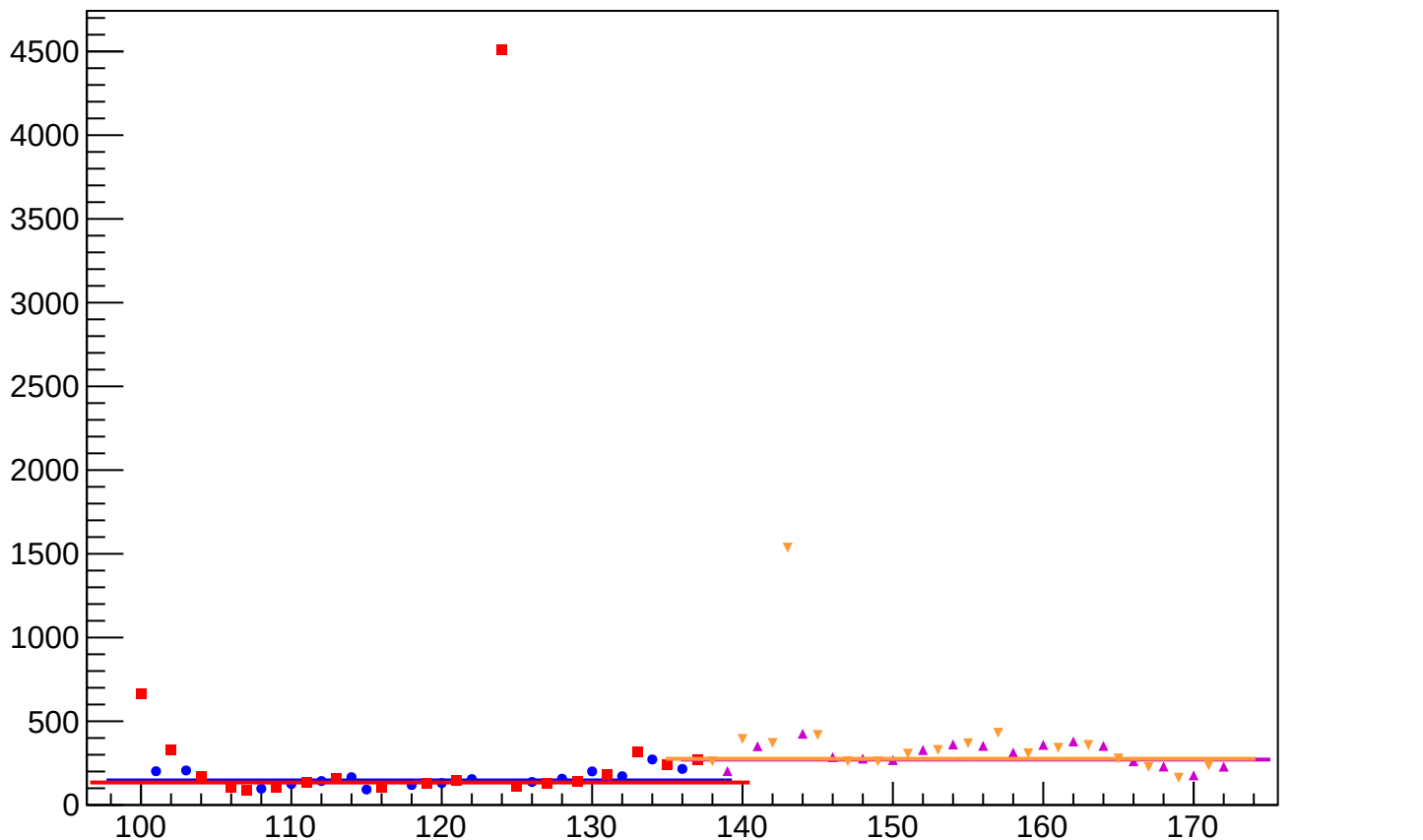
Left In: -0.077 ± 0.076 χ^2/NDF : 22.6/16

+ sign 0.026 ± 0.046 χ^2/NDF : 33.6/33

All: 0.012 ± 0.032 χ^2/NDF : 77.9/69

- sign -0.001 ± 0.044 χ^2/NDF : 44.1/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

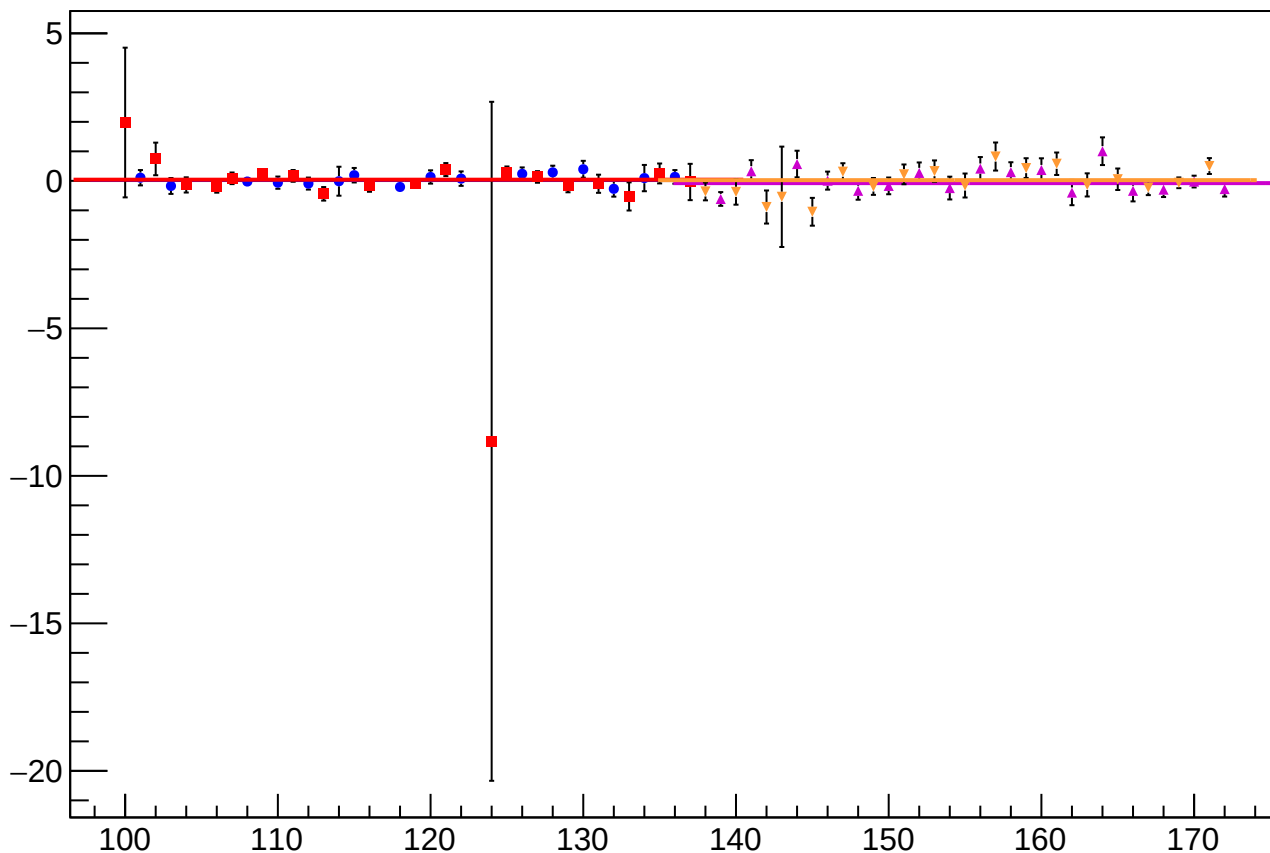
Left In: 271.264+/-0.053 χ^2/NDF : 1627379.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473290.6/33

All: 186.816+/-0.023 χ^2/NDF : 15058211.2/69

- sign 181.611+/-0.031 χ^2/NDF : 7527273.2/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.058 χ^2 /NDF: 9.4/15

Left Out: 0.023 $\pm$ 0.078 χ^2 /NDF:24.2/17

Right Out: 0.039 $\pm$ 0.055 χ^2 /NDF: 20.0/18

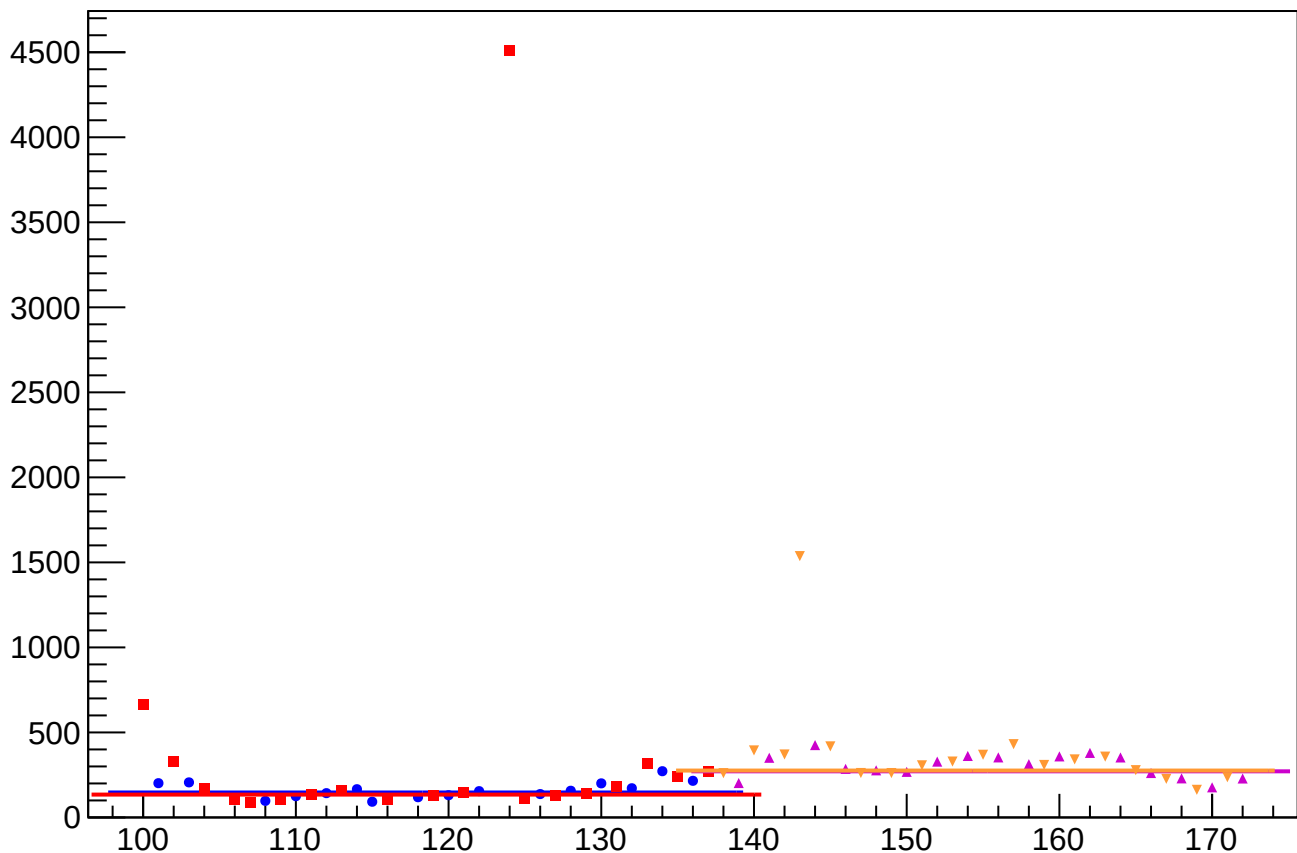
Left In: -0.077 $\pm$ 0.076 χ^2 /NDF:22.6/16

+ sign 0.026 $\pm$ 0.046 χ^2 /NDF: 33.6/33

All: 0.012 $\pm$ 0.032 χ^2 /NDF: 77.9/69

- sign -0.001 $\pm$ 0.044 χ^2 /NDF: 44.1/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.829+/-0.041 χ^2/NDF : 998646.8/15

Left Out: 275.808+/-0.055 χ^2/NDF : 2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF : 1606310.4/18

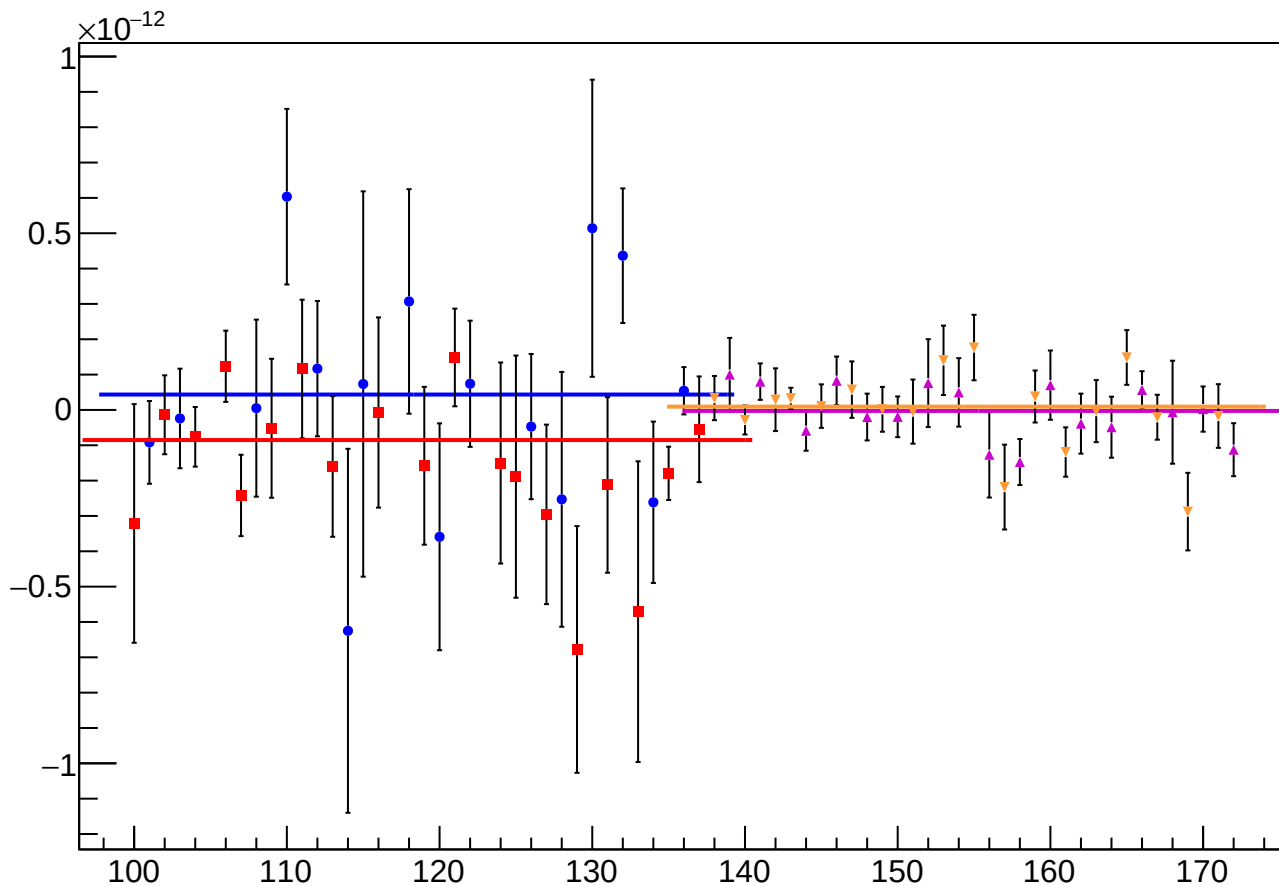
Left In: 271.264+/-0.053 χ^2/NDF : 1627379.4/16

+ sign 192.506+/-0.033 χ^2/NDF : 7473290.6/33

All: 186.816+/-0.023 χ^2/NDF : 15058211.2/69

- sign 181.611+/-0.031 χ^2/NDF : 7527273.2/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

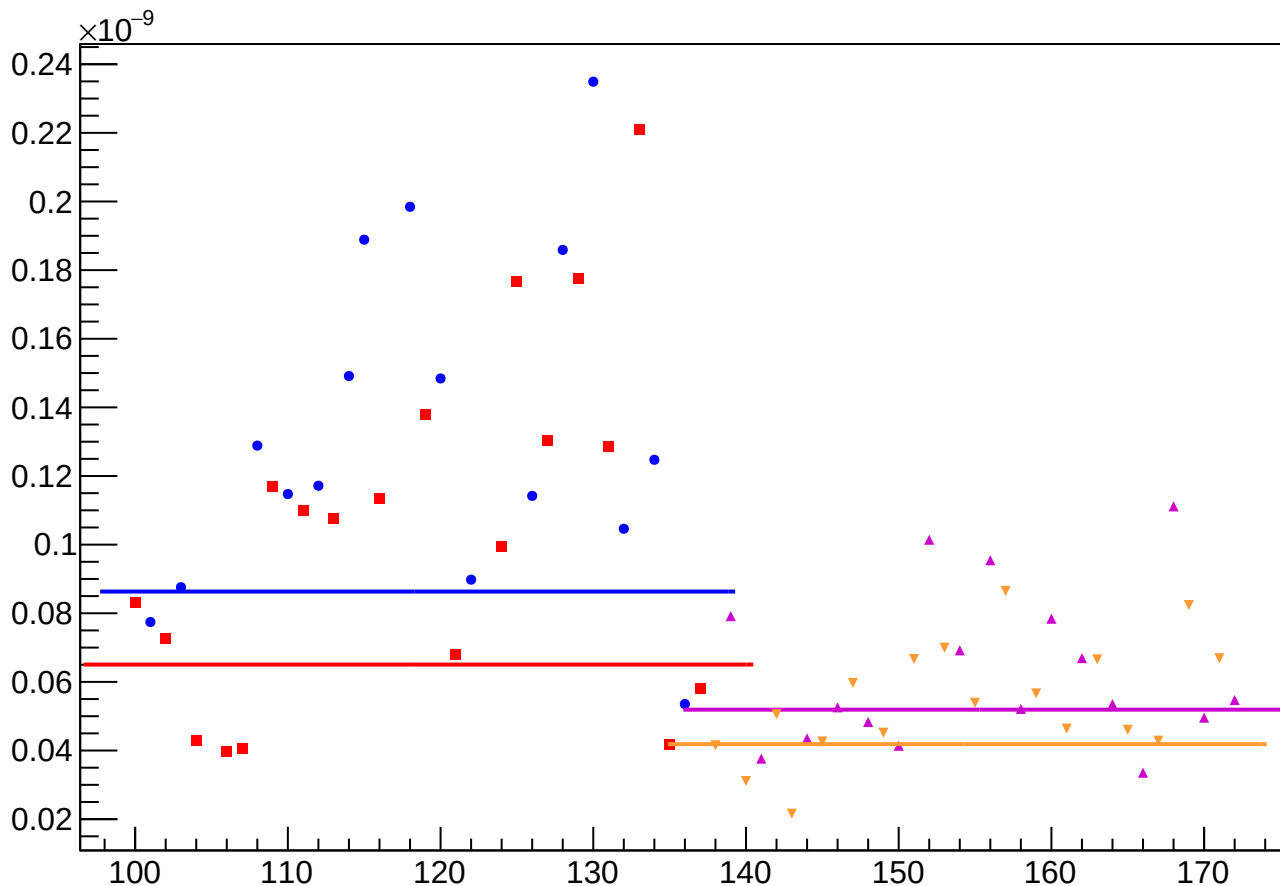
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:17.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.7/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 87.3/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 40.1/35

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

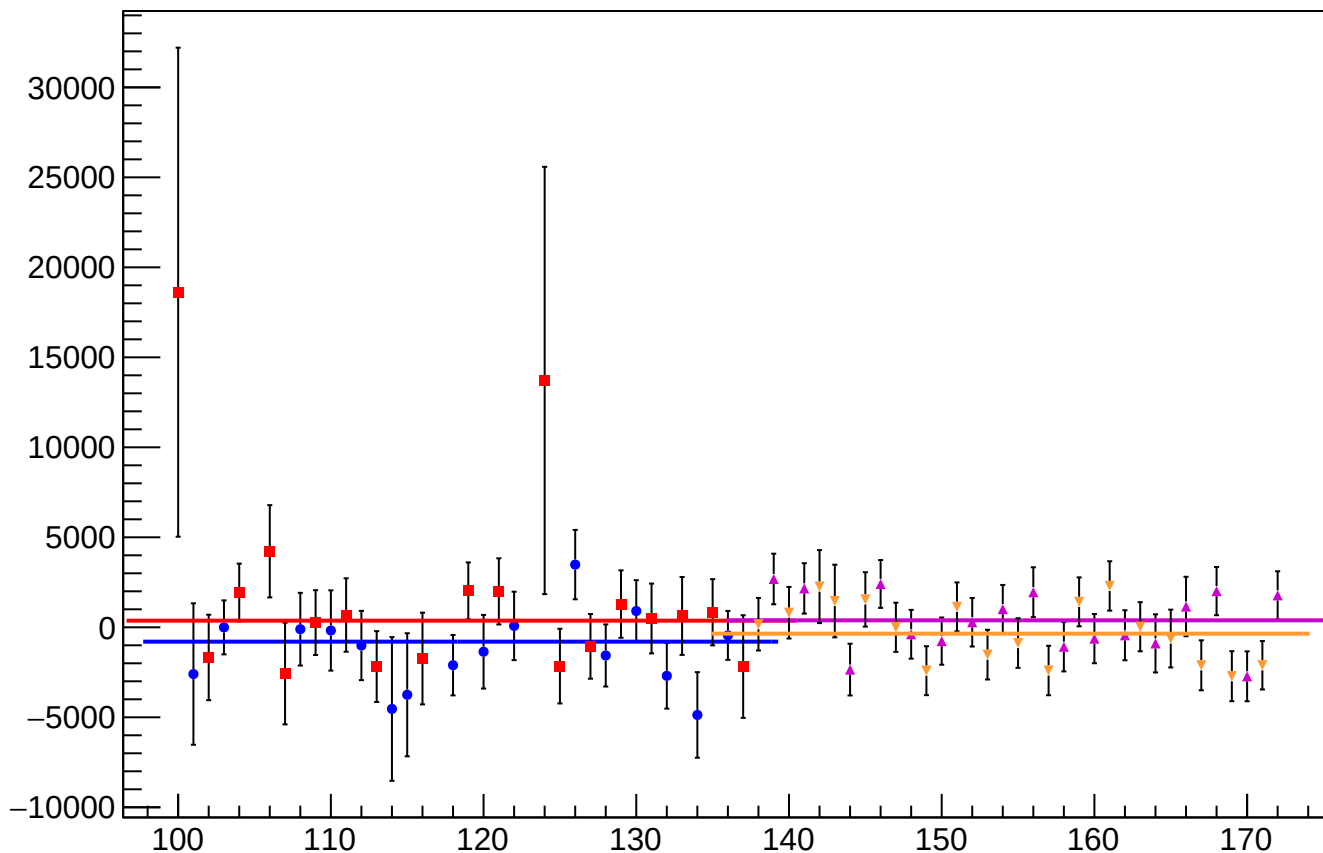
Left In: 0.000+/-0.000 χ^2/NDF : 1832464.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5991149.5/33

All: 0.000+/-0.000 χ^2/NDF : 10486740.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4224127.5/35

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

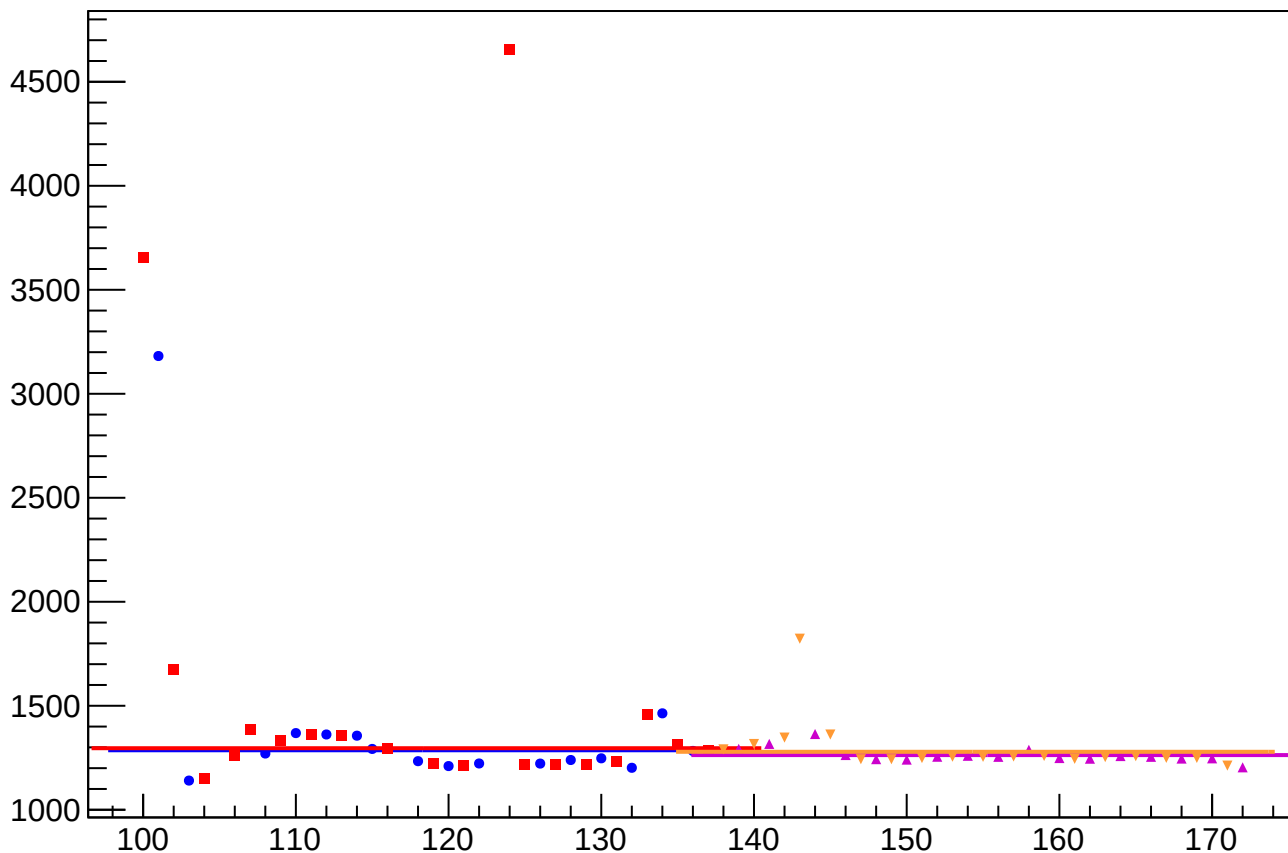
Left In: 387.171+/-337.229 χ^2/NDF : 23.3/16

+ sign -498.406+/-278.670 χ^2/NDF : 37.2/33

All: -55.809+/-196.467 χ^2/NDF : 81.1/69

- sign 381.591+/-277.030 χ^2/NDF : 38.9/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518126.9/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF: 170006.9/17

Right Out: 1295.943 $\pm$ 0.344 χ^2 /NDF: 328069.9/18

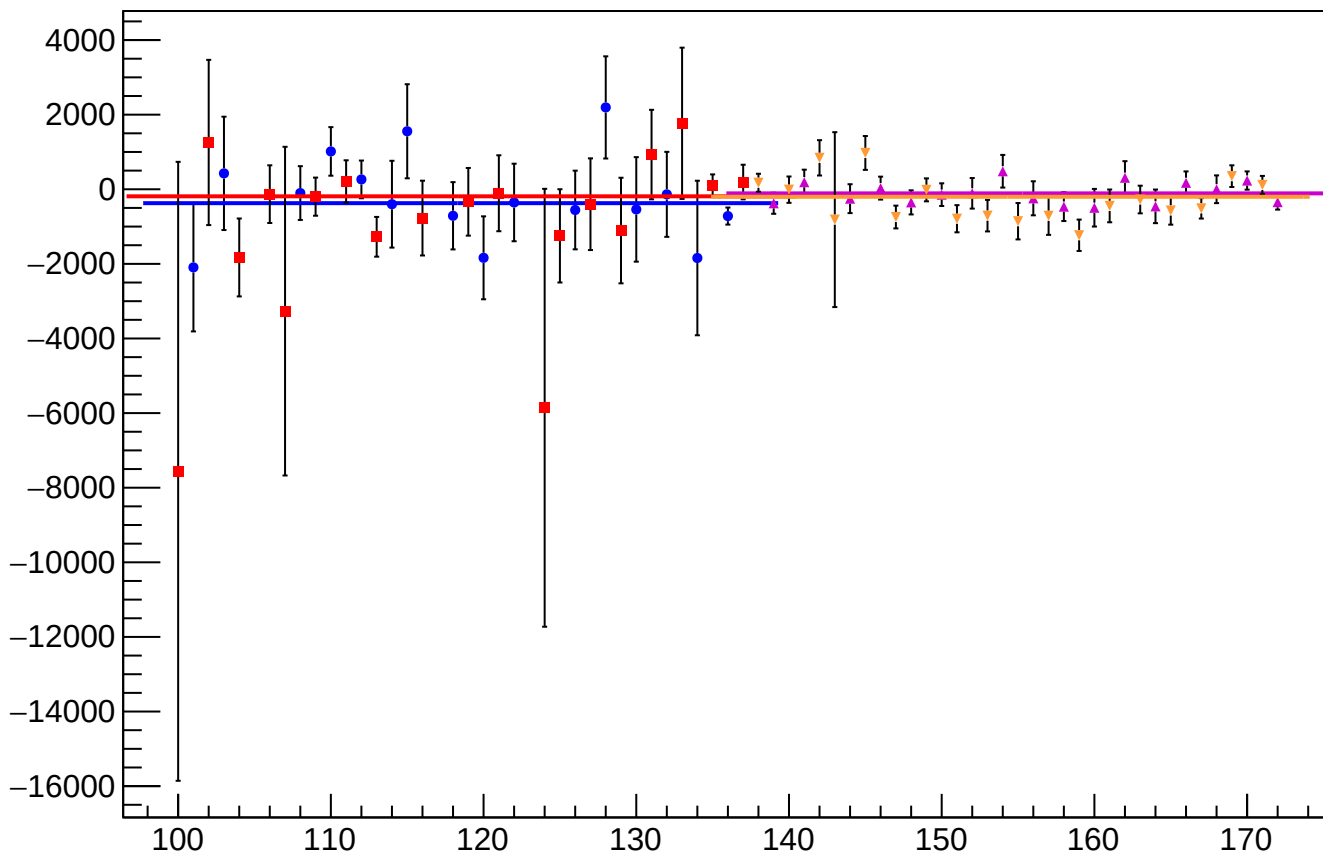
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF: 20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688441.1/33

All: 1277.368 $\pm$ 0.139 χ^2 /NDF: 1044139.1/69

- sign 1273.641 $\pm$ 0.196 χ^2 /NDF: 354969.6/35

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -372.325 $\pm$ 168.204 χ^2 /NDF: 18.2/15

Left Out: -201.069 $\pm$ 83.193 χ^2 /NDF:38.7/17

Right Out: -188.945 $\pm$ 169.575 χ^2 /NDF: 14.6/18

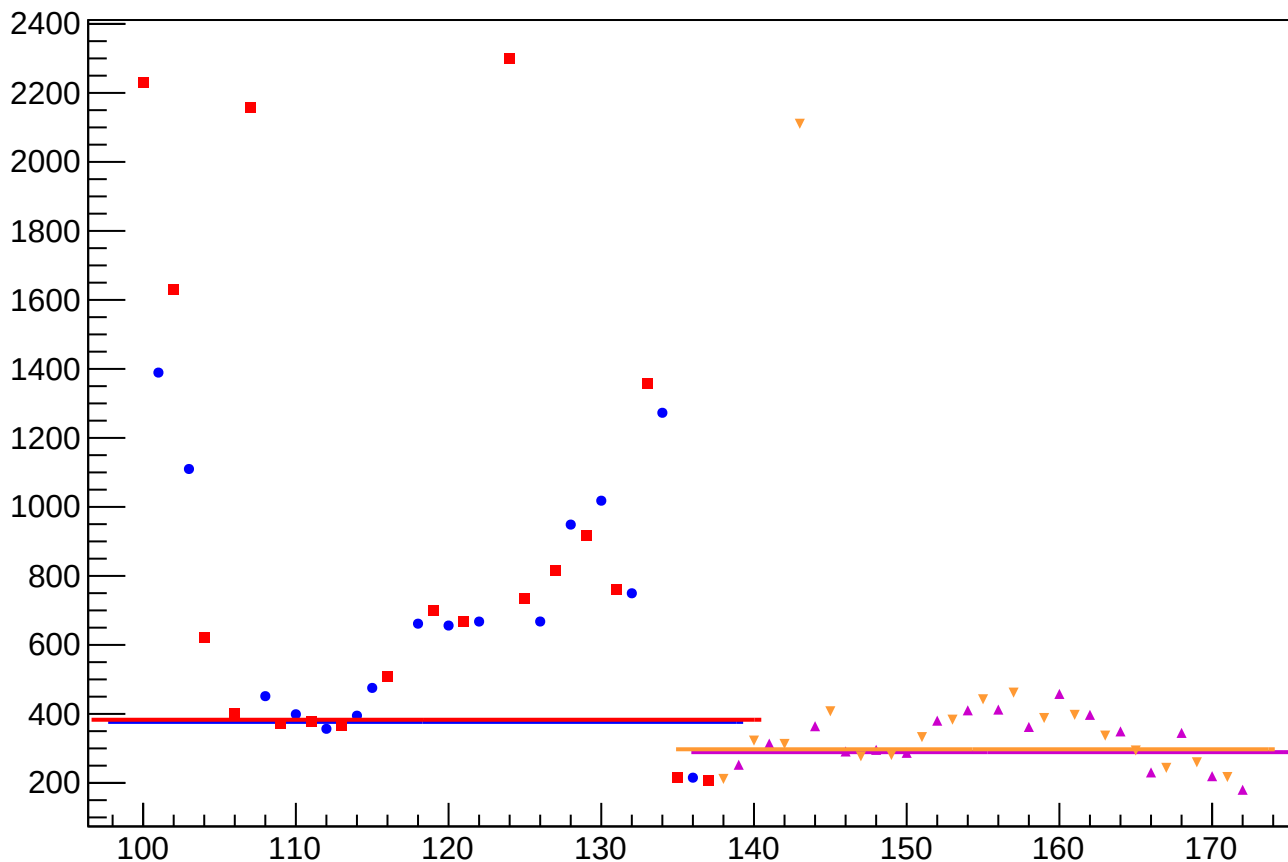
Left In: -110.327 $\pm$ 80.271 χ^2 /NDF:11.7/16

+ sign -234.729 $\pm$ 74.570 χ^2 /NDF: 57.6/33

All: -178.215 $\pm$ 52.001 χ^2 /NDF: 85.3/69

- sign -124.718 $\pm$ 72.553 χ^2 /NDF: 26.5/35

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



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

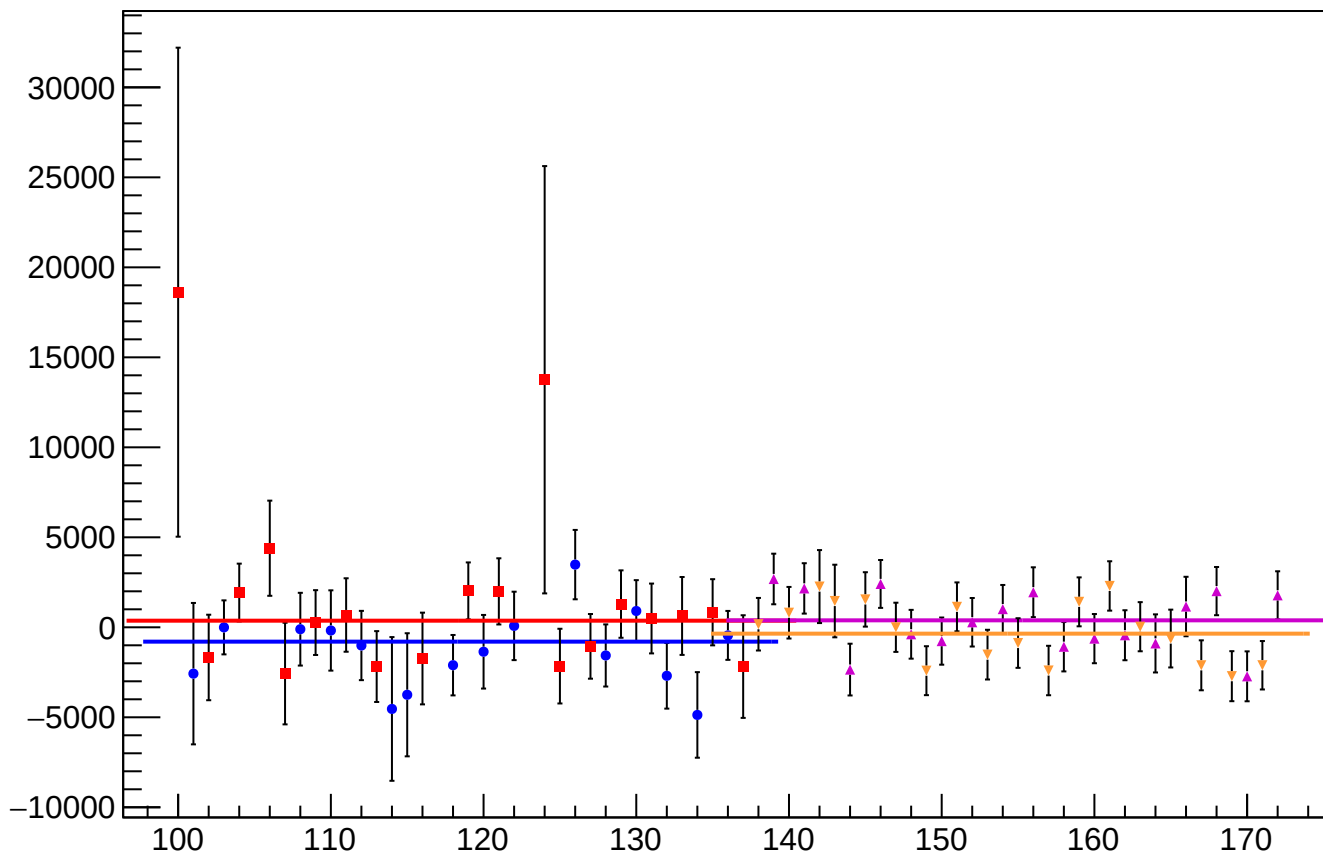
Left In: 289.152+/-0.057 χ^2/NDF : 1840420.2/16

+ sign 313.094+/-0.053 χ^2/NDF : 7178401.1/33

All: 309.627+/-0.037 χ^2/NDF : 13582577.0/69

- sign 306.345+/-0.051 χ^2/NDF : 6395760.5/35

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -796.883 $\pm$ 487.454 χ^2/NDF : 13.4/15

Left Out: -353.235 $\pm$ 339.646 χ^2/NDF : 23.2/17

Right Out: 367.476 $\pm$ 486.348 χ^2/NDF : 15.7/18

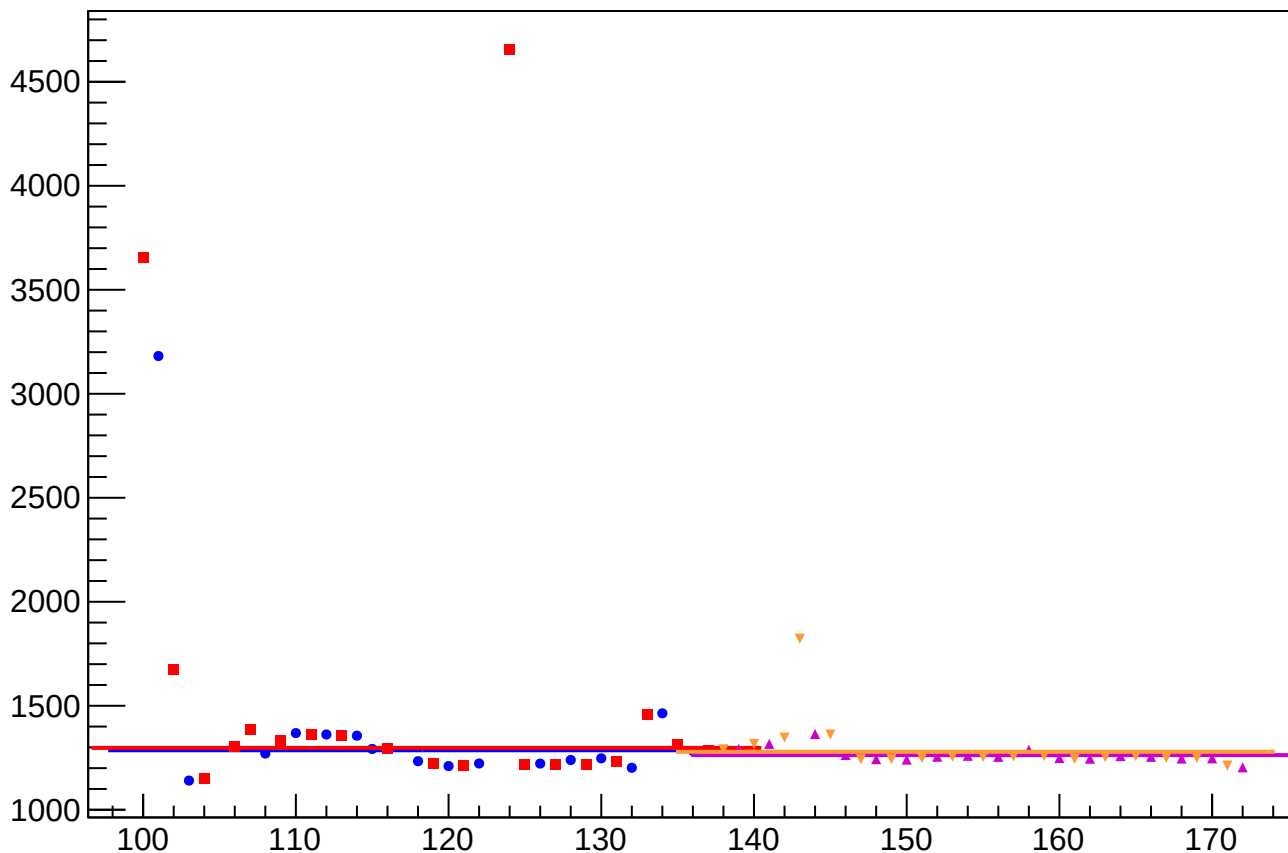
Left In: 387.138 $\pm$ 337.229 χ^2/NDF : 23.3/16

+ sign -498.230 $\pm$ 278.670 χ^2/NDF : 37.2/33

All: -56.296 $\pm$ 196.502 χ^2/NDF : 81.1/69

- sign 380.754 $\pm$ 277.126 χ^2/NDF : 39.0/35

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF: 170006.9/17

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

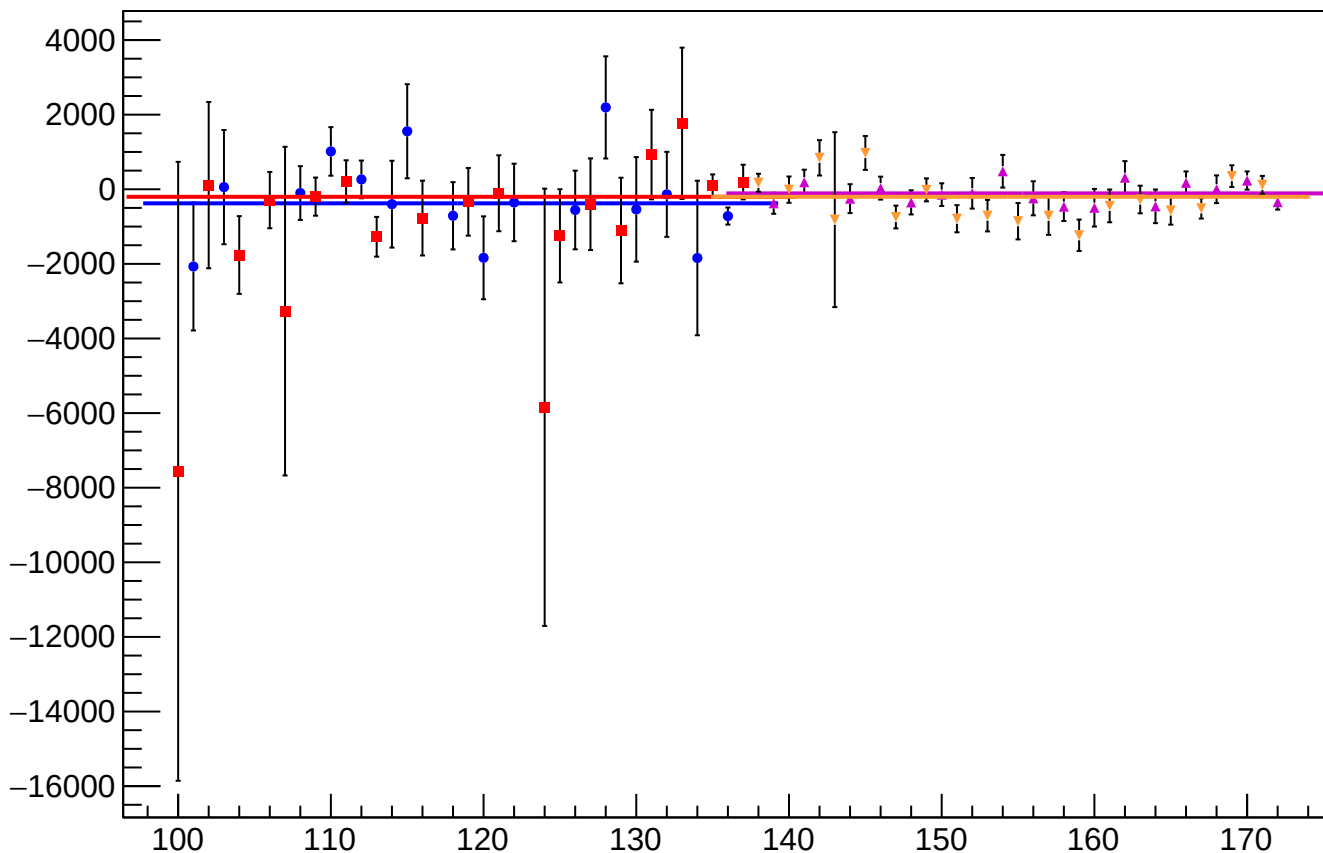
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF: 20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688442.5/33

All: 1277.599 $\pm$ 0.139 χ^2 /NDF: 1044276.9/69

- sign 1274.097 $\pm$ 0.196 χ^2 /NDF: 355192.0/35

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



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

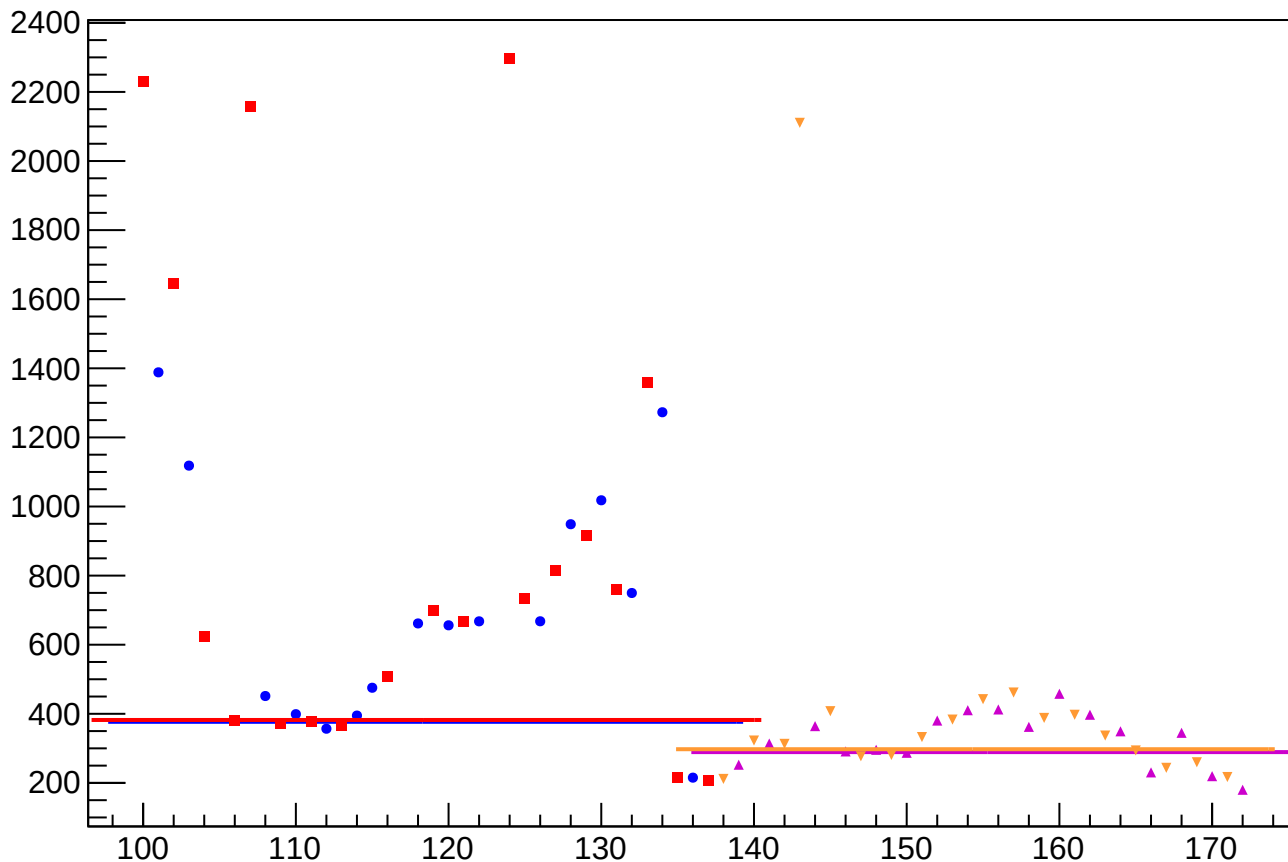
Left In: -110.366 ± 80.271 χ^2/NDF : 11.7/16

+ sign -235.589 ± 74.573 χ^2/NDF : 57.5/33

All: -179.894 ± 51.997 χ^2/NDF : 84.6/69

- sign -127.198 ± 72.538 χ^2/NDF : 26.0/35

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 376.884 ± 0.119 $\chi^2/\text{NDF}: 4193328.0/15$

Left Out: 297.496 ± 0.059 $\chi^2/\text{NDF}: 2629938.3/17$

Right Out: 382.136 ± 0.120 $\chi^2/\text{NDF}: 4059600.2/18$

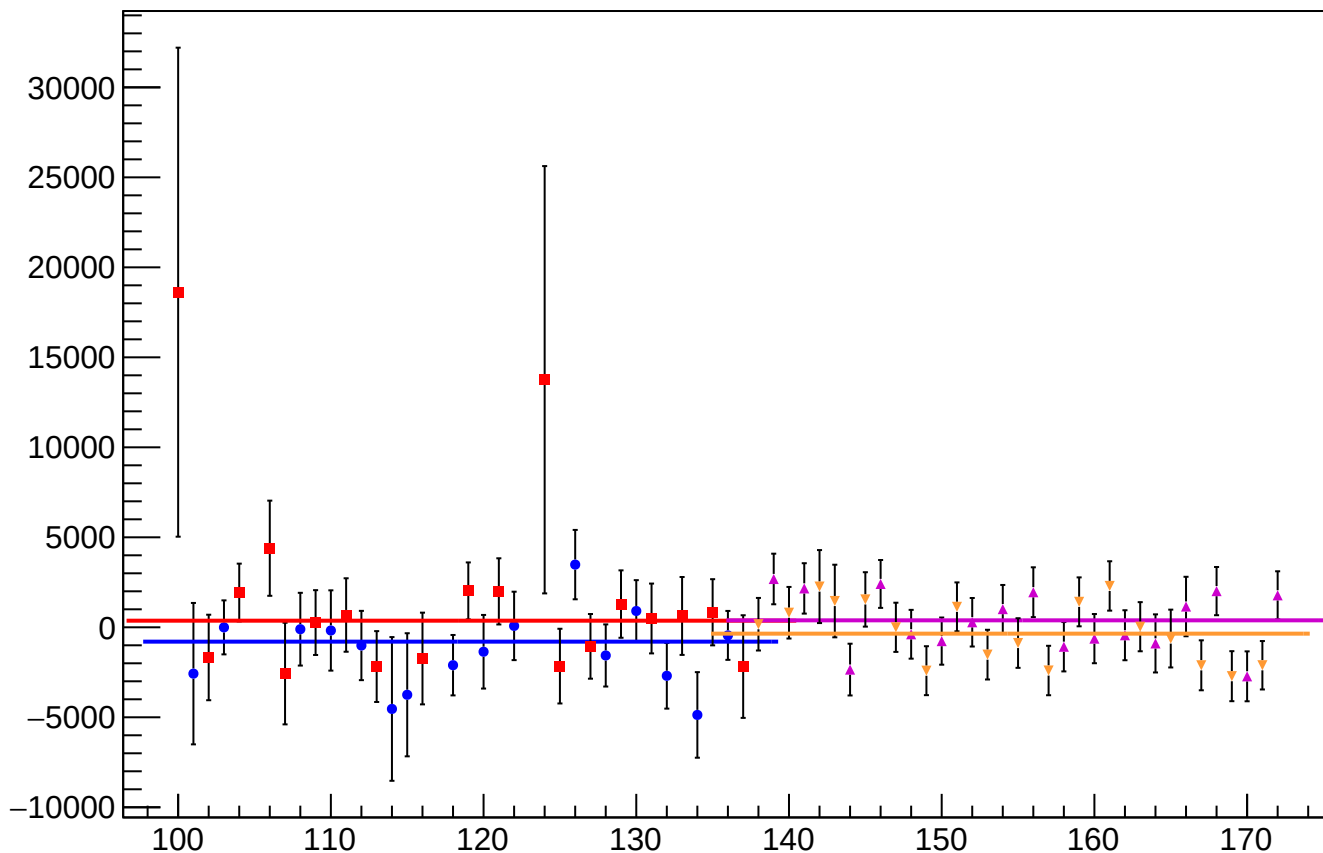
Left In: 289.154 ± 0.057 $\chi^2/\text{NDF}: 1840467.2/16$

+ sign 313.097 ± 0.053 $\chi^2/\text{NDF}: 7181151.4/33$

All: 309.557 ± 0.037 $\chi^2/\text{NDF}: 13582169.9/69$

- sign 306.207 ± 0.051 $\chi^2/\text{NDF}: 6392247.2/35$

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_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

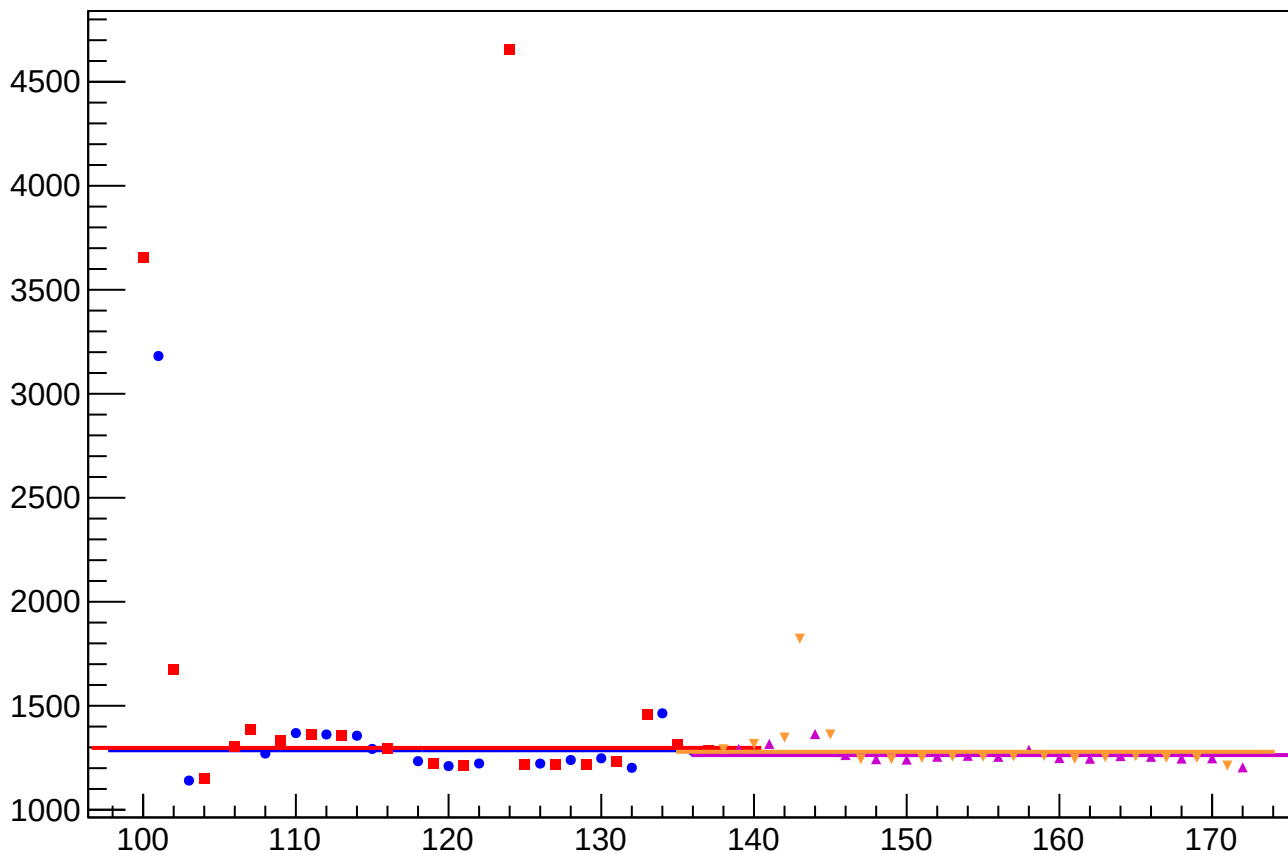
Left In: 387.138 ± 337.229 χ^2/NDF : 23.3/16

+ sign -498.230 ± 278.670 χ^2/NDF : 37.2/33

All: -56.296 ± 196.502 χ^2/NDF : 81.1/69

- sign 380.754 ± 277.126 χ^2/NDF : 39.0/35

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.097 $\pm$ 0.345 χ^2 /NDF: 518128.4/15

Left Out: 1278.733 $\pm$ 0.240 χ^2 /NDF: 170006.9/17

Right Out: 1297.394 $\pm$ 0.344 χ^2 /NDF: 327741.7/18

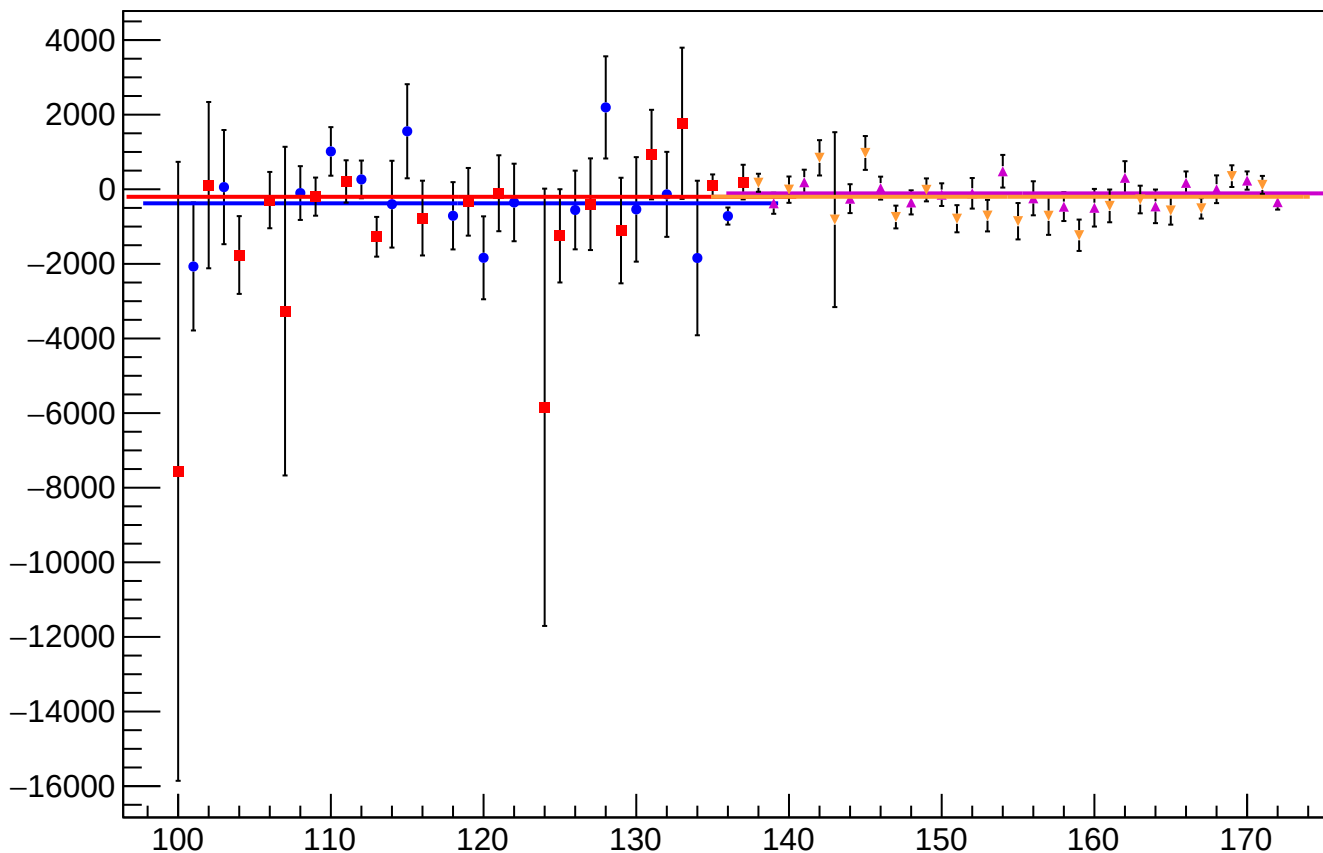
Left In: 1262.895 $\pm$ 0.238 χ^2 /NDF: 20654.5/16

+ sign 1281.140 $\pm$ 0.197 χ^2 /NDF: 688442.5/33

All: 1277.599 $\pm$ 0.139 χ^2 /NDF: 1044276.9/69

- sign 1274.097 $\pm$ 0.196 χ^2 /NDF: 355192.0/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



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

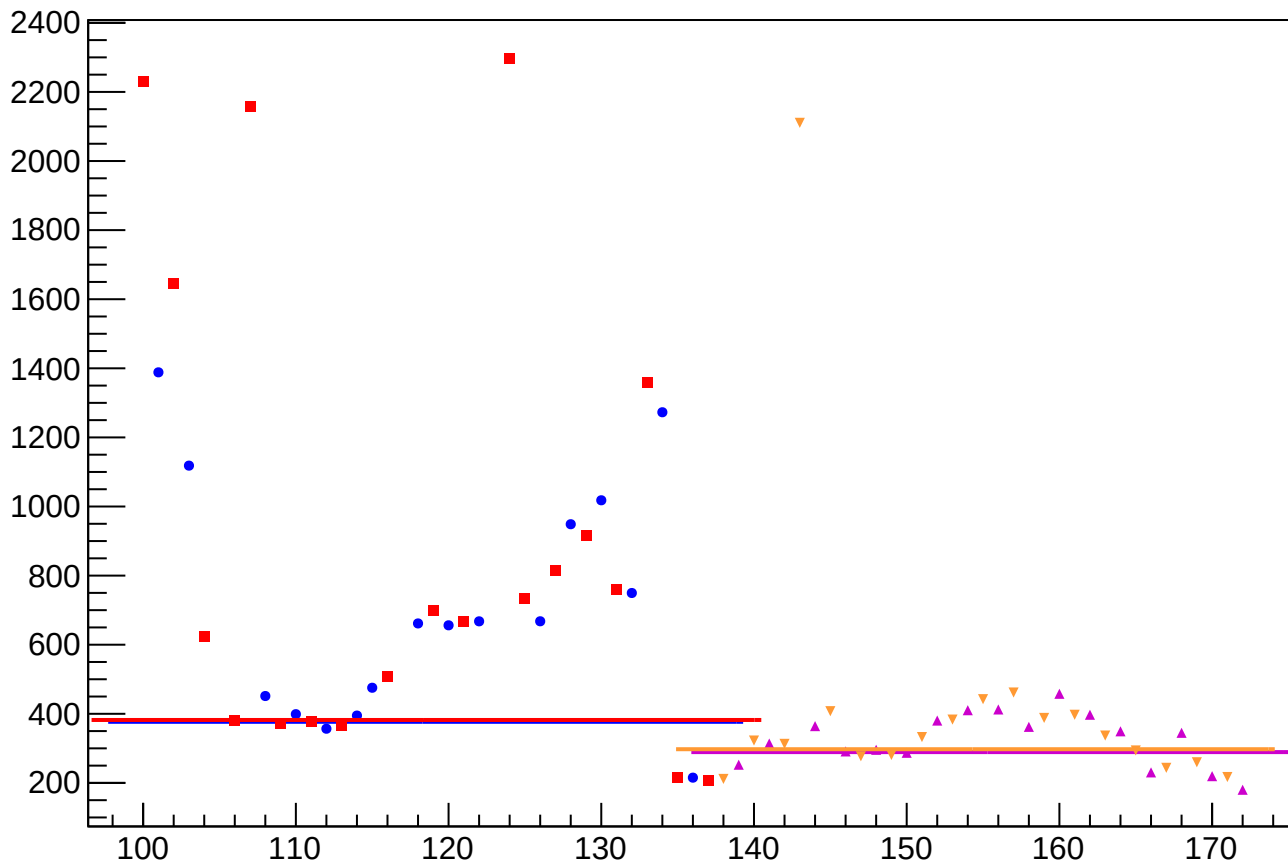
Left In: -110.366 ± 80.271 χ^2/NDF : 11.7/16

+ sign -235.589 ± 74.573 χ^2/NDF : 57.5/33

All: -179.894 ± 51.997 χ^2/NDF : 84.6/69

- sign -127.198 ± 72.538 χ^2/NDF : 26.0/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_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

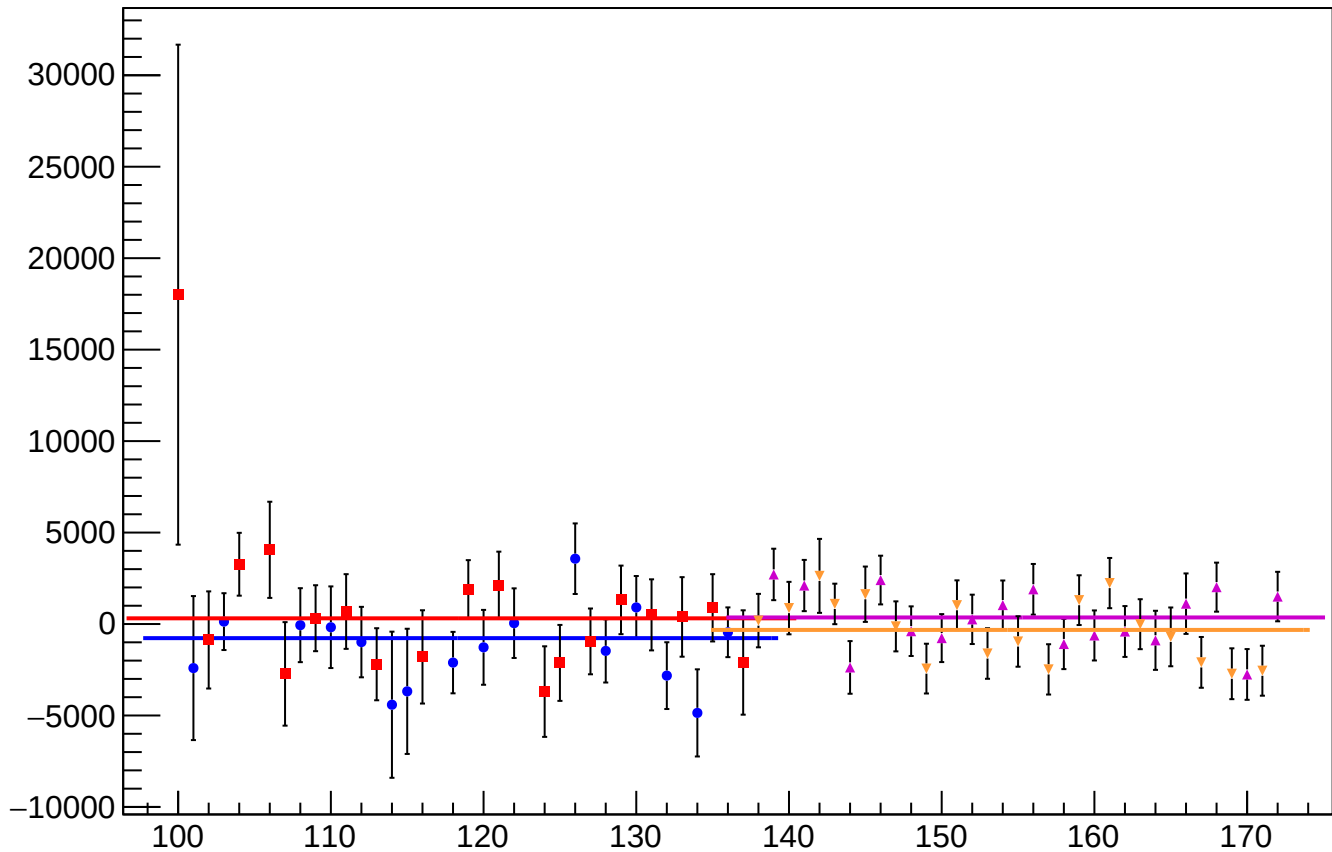
Left In: 289.154+/-0.057 χ^2/NDF : 1840467.2/16

+ sign 313.097+/-0.053 χ^2/NDF : 7181151.4/33

All: 309.557+/-0.037 χ^2/NDF : 13582169.9/69

- sign 306.207+/-0.051 χ^2/NDF : 6392247.2/35

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

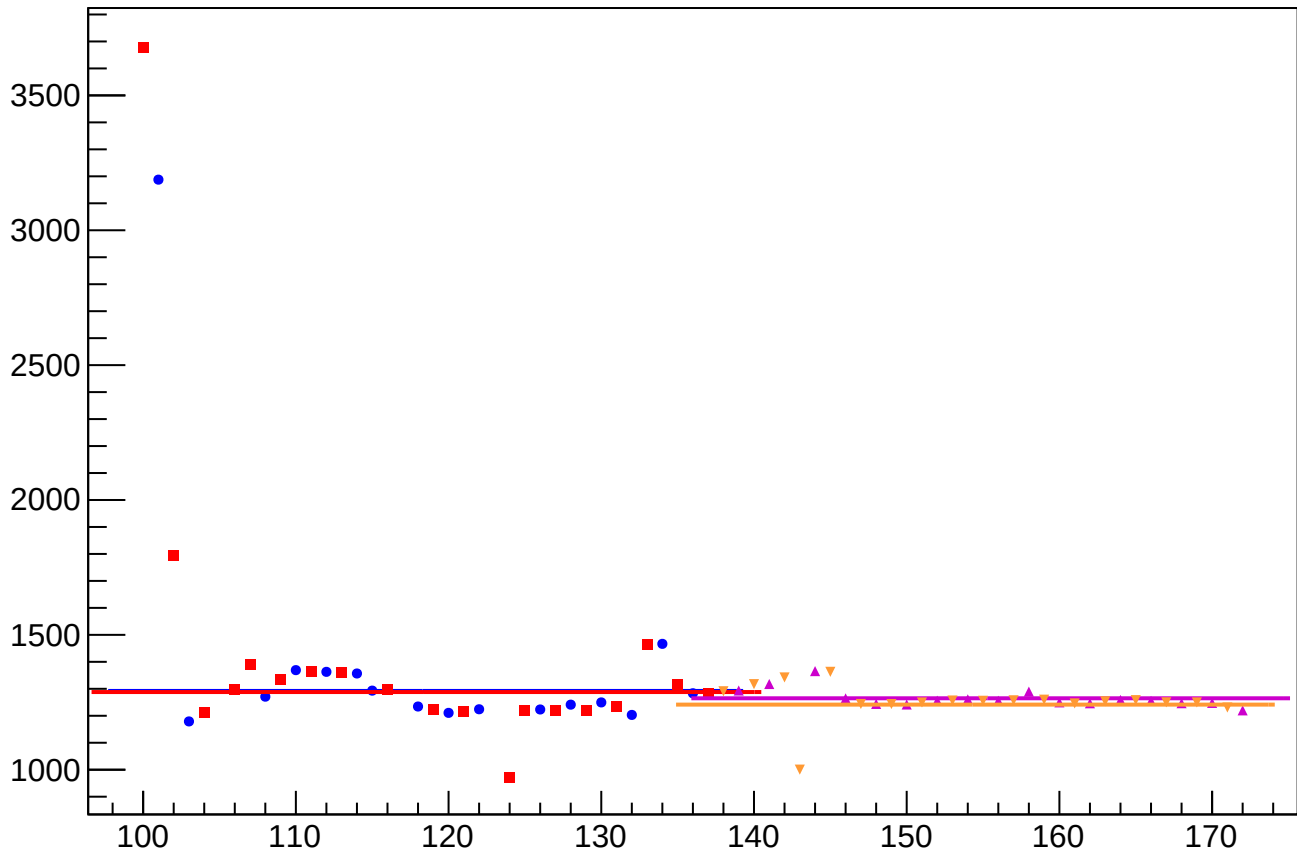
Left In: 359.266+/-337.733 χ^2/NDF : 22.9/16

+ sign -462.141+/-273.332 χ^2/NDF : 39.7/33

All: -64.254+/-194.459 χ^2/NDF : 84.8/69

- sign 343.538+/-276.713 χ^2/NDF : 40.8/35

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.3/15

Left Out: 1241.374 $\pm$ 0.233 χ^2 /NDF: 122422.3/17

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209208.8/18

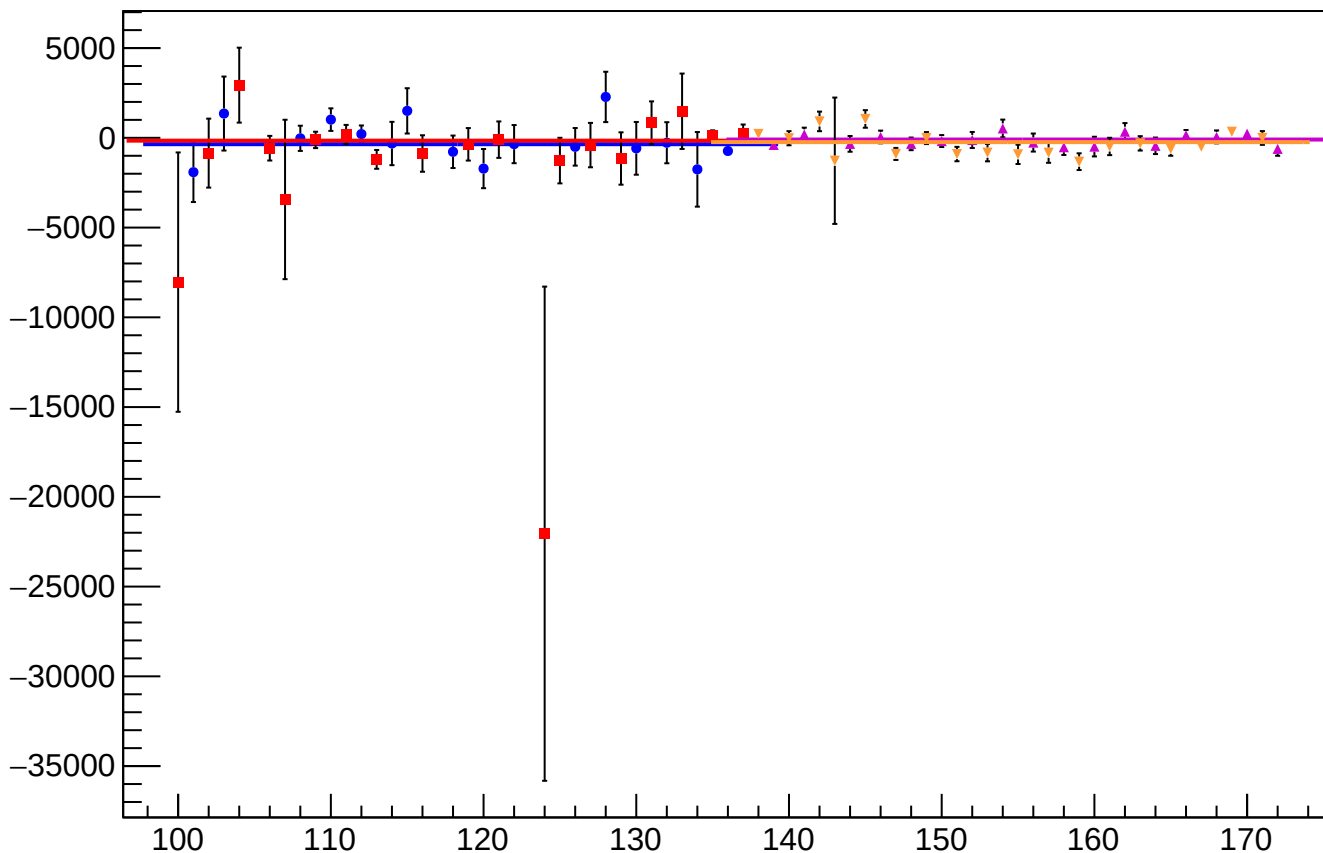
Left In: 1264.819 $\pm$ 0.239 χ^2 /NDF: 18986.3/16

+ sign 1257.164 $\pm$ 0.193 χ^2 /NDF: 646570.0/33

All: 1264.706 $\pm$ 0.138 χ^2 /NDF: 880942.0/69

- sign 1272.435 $\pm$ 0.196 χ^2 /NDF: 231289.1/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



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

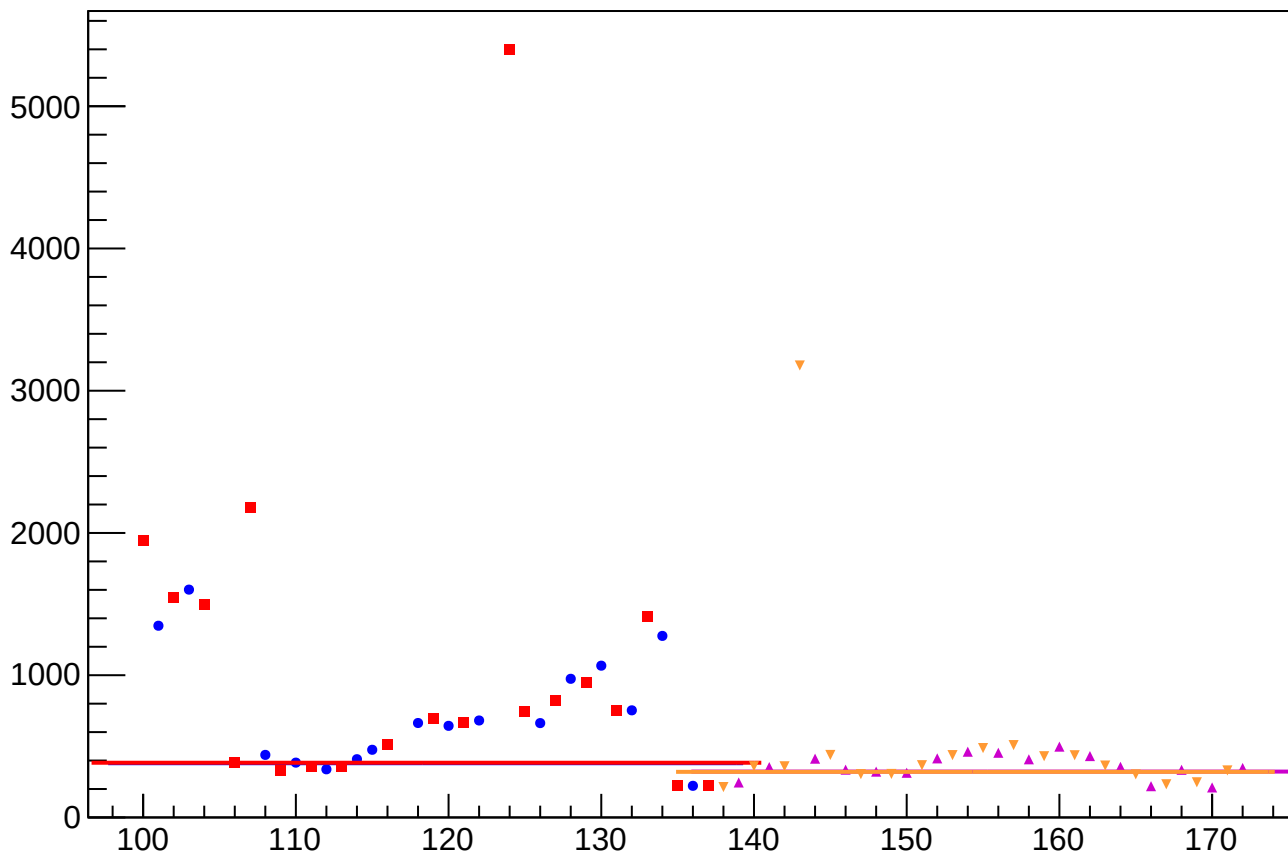
Left In: -95.298 ± 89.343 χ^2/NDF : 11.8/16

+ sign -264.432 ± 79.905 χ^2/NDF : 57.7/33

All: -185.828 ± 56.198 χ^2/NDF : 87.4/69

- sign -108.894 ± 79.053 χ^2/NDF : 27.8/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



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

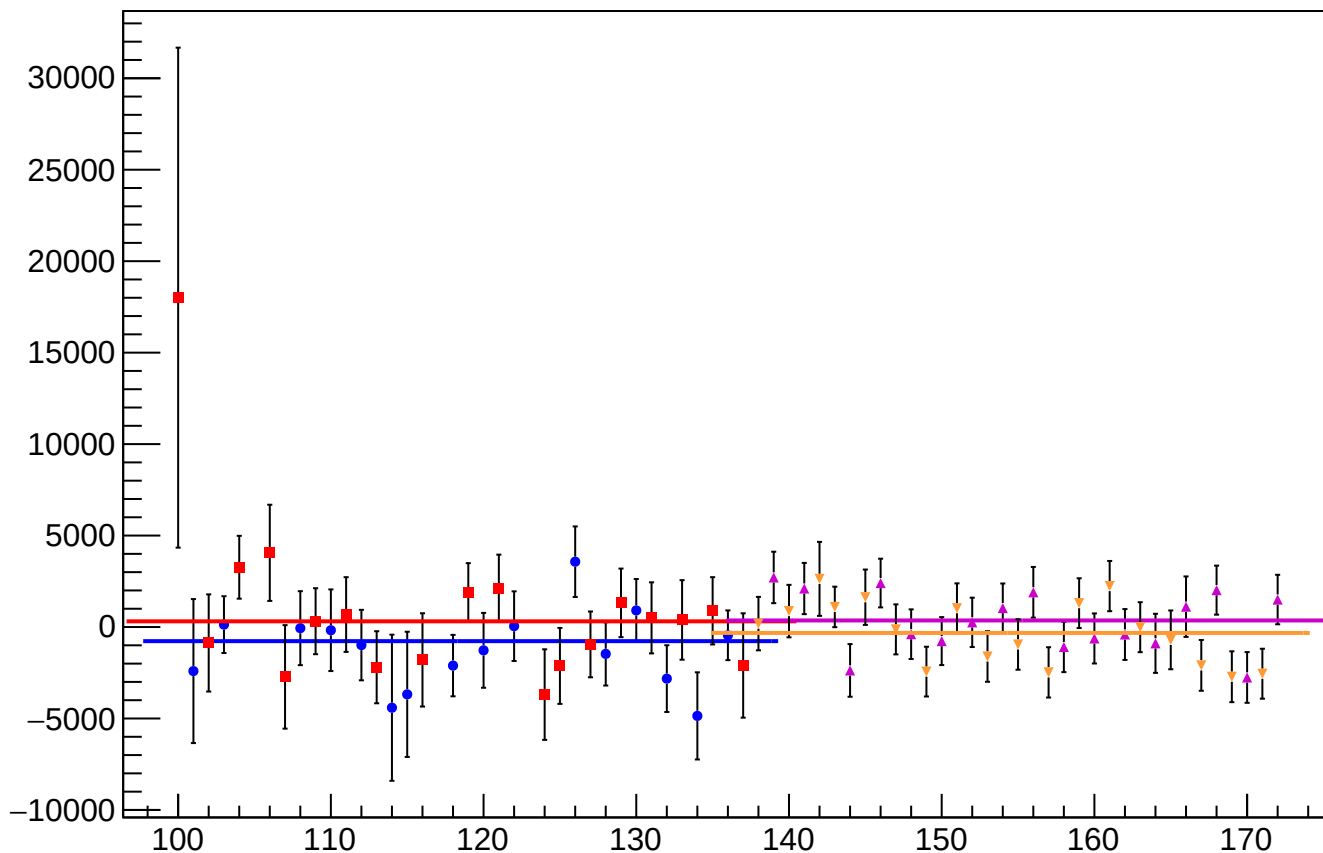
Left In: 322.489+/-0.063 χ^2/NDF :1748900.6/16

+ sign 334.054+/-0.057 χ^2/NDF : 7561222.8/33

All: 335.030+/-0.040 χ^2/NDF : 14081106.3/69

- sign 335.984+/-0.056 χ^2/NDF : 6519294.1/35

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -771.501 $\pm$ 489.602 χ^2 /NDF: 13.6/15

Left Out: -322.067 $\pm$ 329.452 χ^2 /NDF: 25.5/17

Right Out: 311.419 $\pm$ 482.642 χ^2 /NDF: 17.9/18

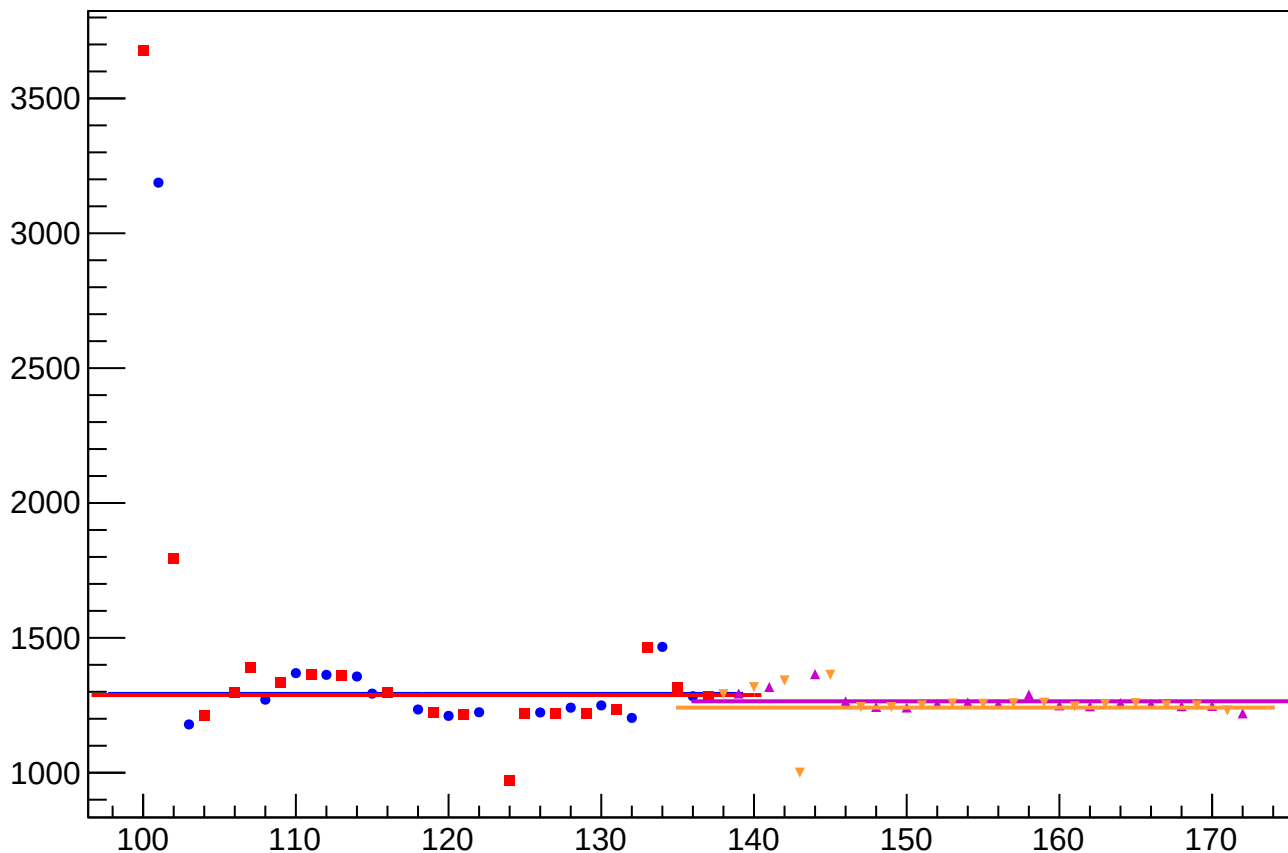
Left In: 359.267 $\pm$ 337.733 χ^2 /NDF: 22.9/16

+ sign -462.142 $\pm$ 273.332 χ^2 /NDF: 39.7/33

All: -64.253 $\pm$ 194.459 χ^2 /NDF: 84.8/69

- sign 343.539 $\pm$ 276.713 χ^2 /NDF: 40.8/35

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.038 $\pm$ 0.346 χ^2 /NDF: 509406.2/15

Left Out: 1241.374 $\pm$ 0.233 χ^2 /NDF:122421.5/17

Right Out: 1287.988 $\pm$ 0.341 χ^2 /NDF: 209209.1/18

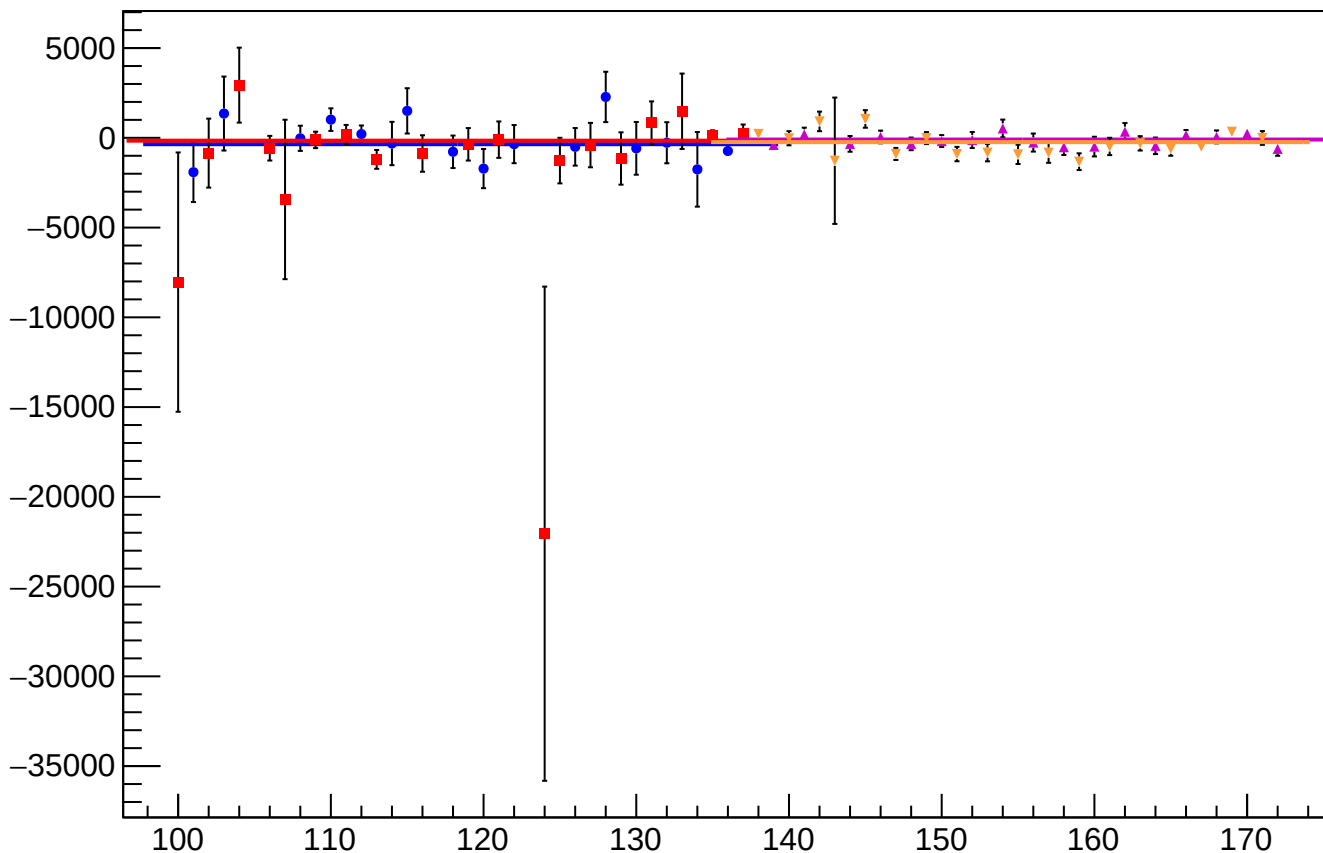
Left In: 1264.819 $\pm$ 0.239 χ^2 /NDF:18986.4/16

+ sign 1257.164 $\pm$ 0.193 χ^2 /NDF: 646569.2/33

All: 1264.706 $\pm$ 0.138 χ^2 /NDF: 880941.6/69

- sign 1272.435 $\pm$ 0.196 χ^2 /NDF: 231289.5/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



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

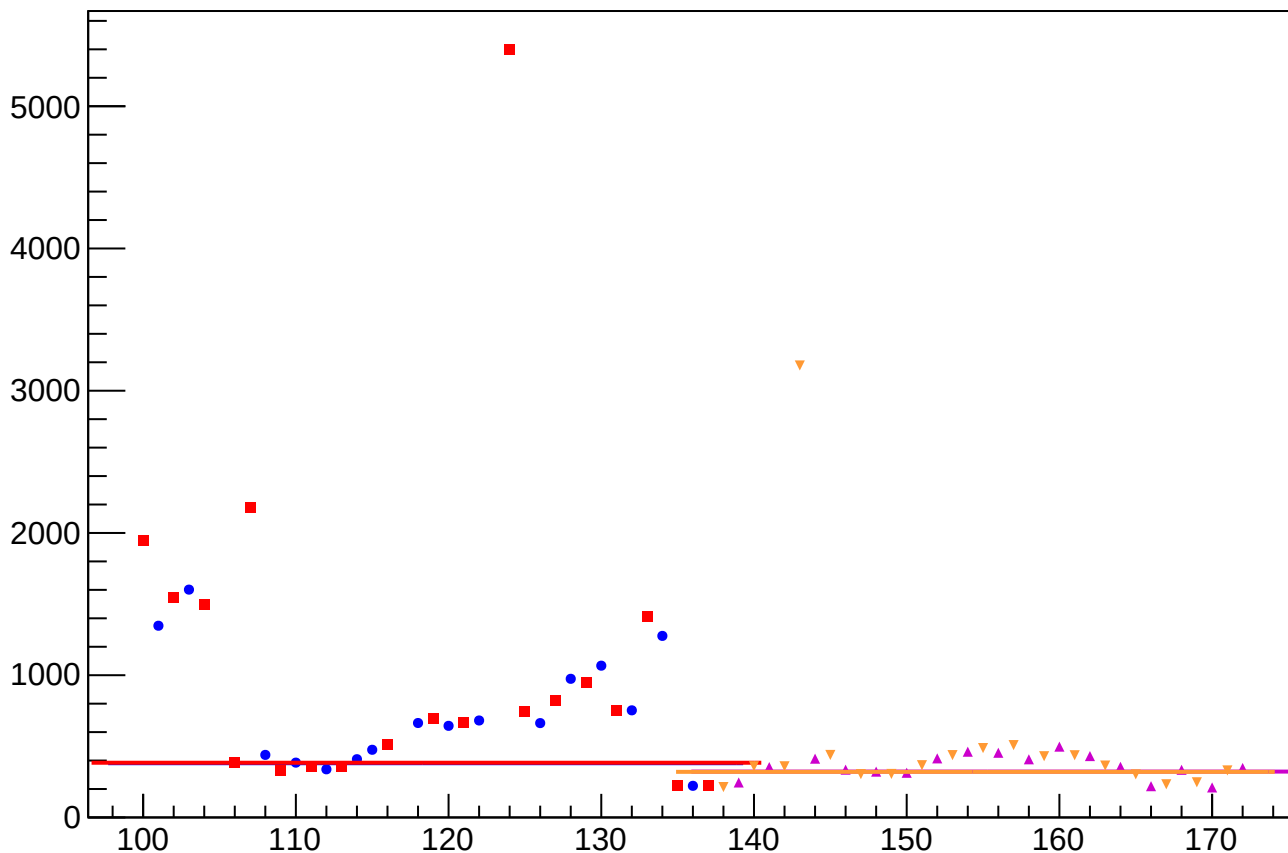
Left In: -95.296+/-89.344 χ^2/NDF : 11.8/16

+ sign -264.438+/-79.906 χ^2/NDF : 57.7/33

All: -185.831+/-56.198 χ^2/NDF : 87.4/69

- sign -108.893+/-79.053 χ^2/NDF : 27.8/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



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

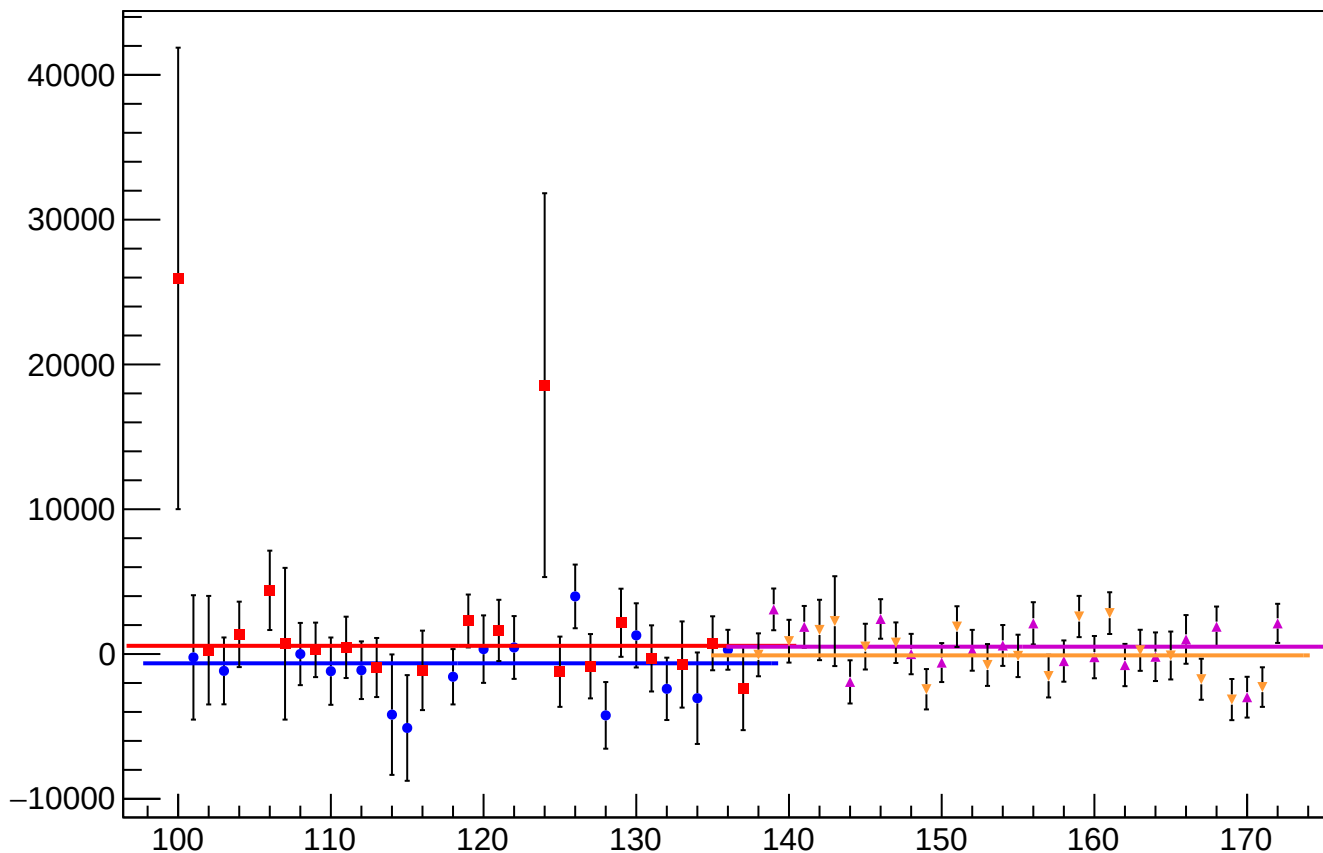
Left In: 322.490+/-0.063 χ^2/NDF : 1748838.0/16

+ sign 334.059+/-0.057 χ^2/NDF : 7560954.4/33

All: 335.033+/-0.040 χ^2/NDF : 14080672.6/69

- sign 335.987+/-0.056 χ^2/NDF : 6519129.8/35

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

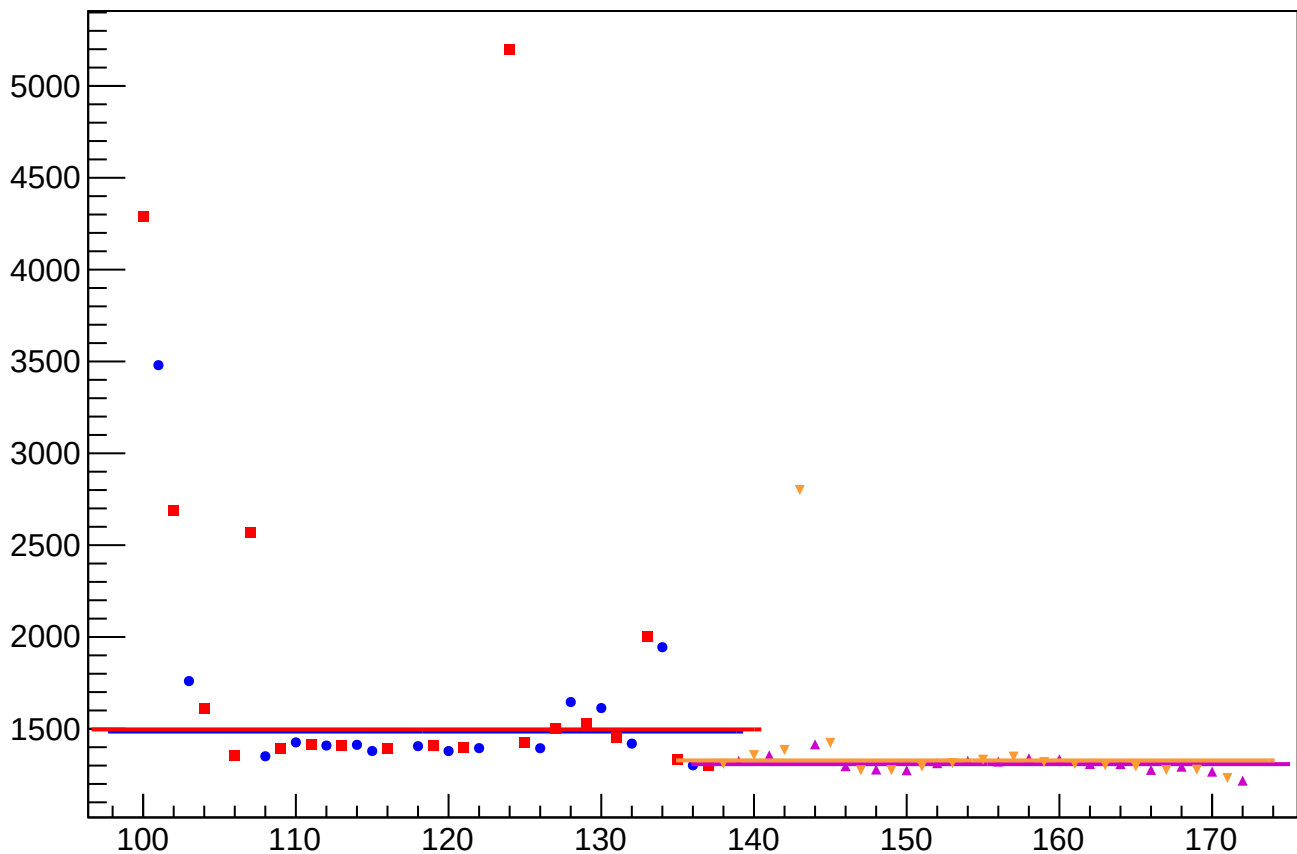
Left In: 506.572+/-349.291 χ^2/NDF : 21.1/16

+ sign -247.606+/-300.354 χ^2/NDF : 37.6/33

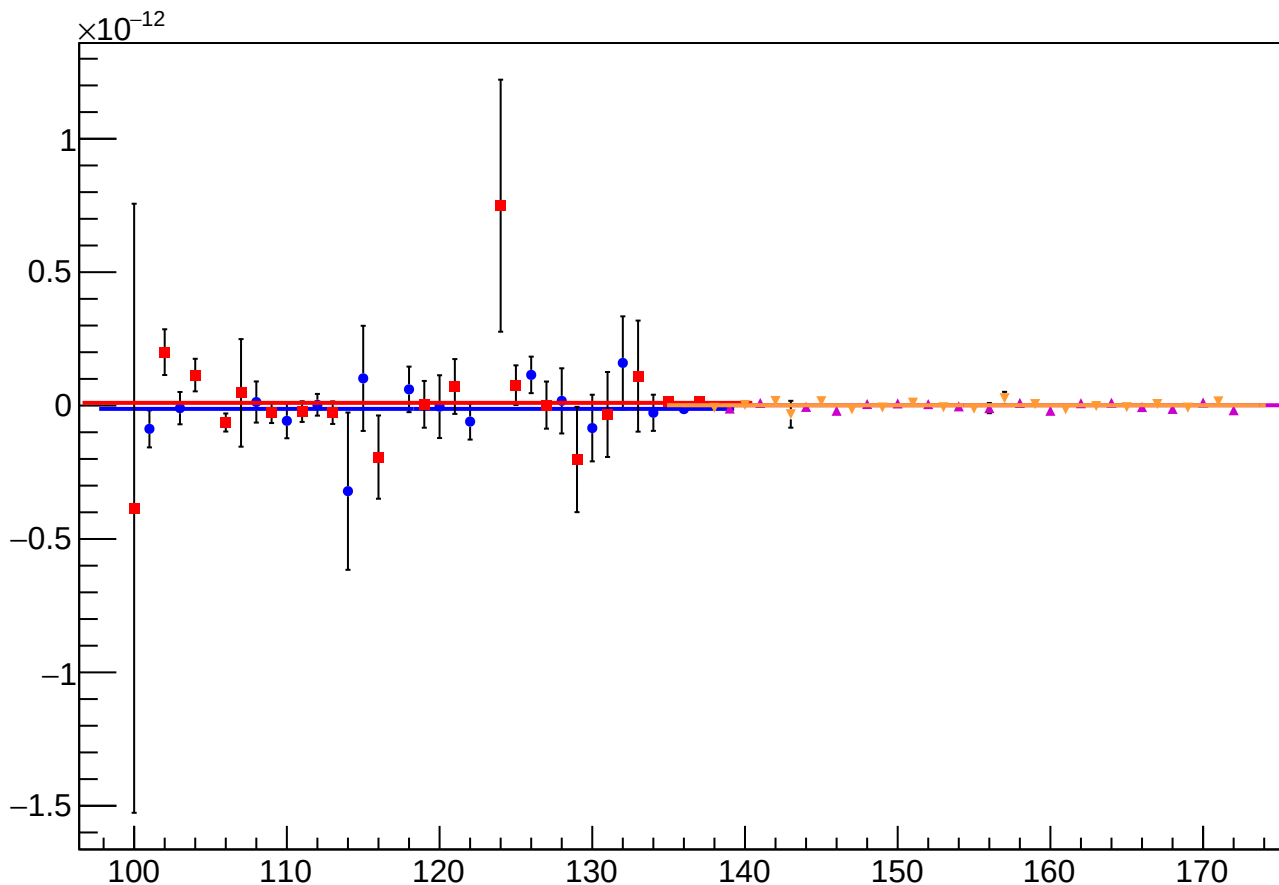
All: 141.698+/-211.315 χ^2/NDF : 73.3/69

- sign 523.275+/-297.358 χ^2/NDF : 32.4/35

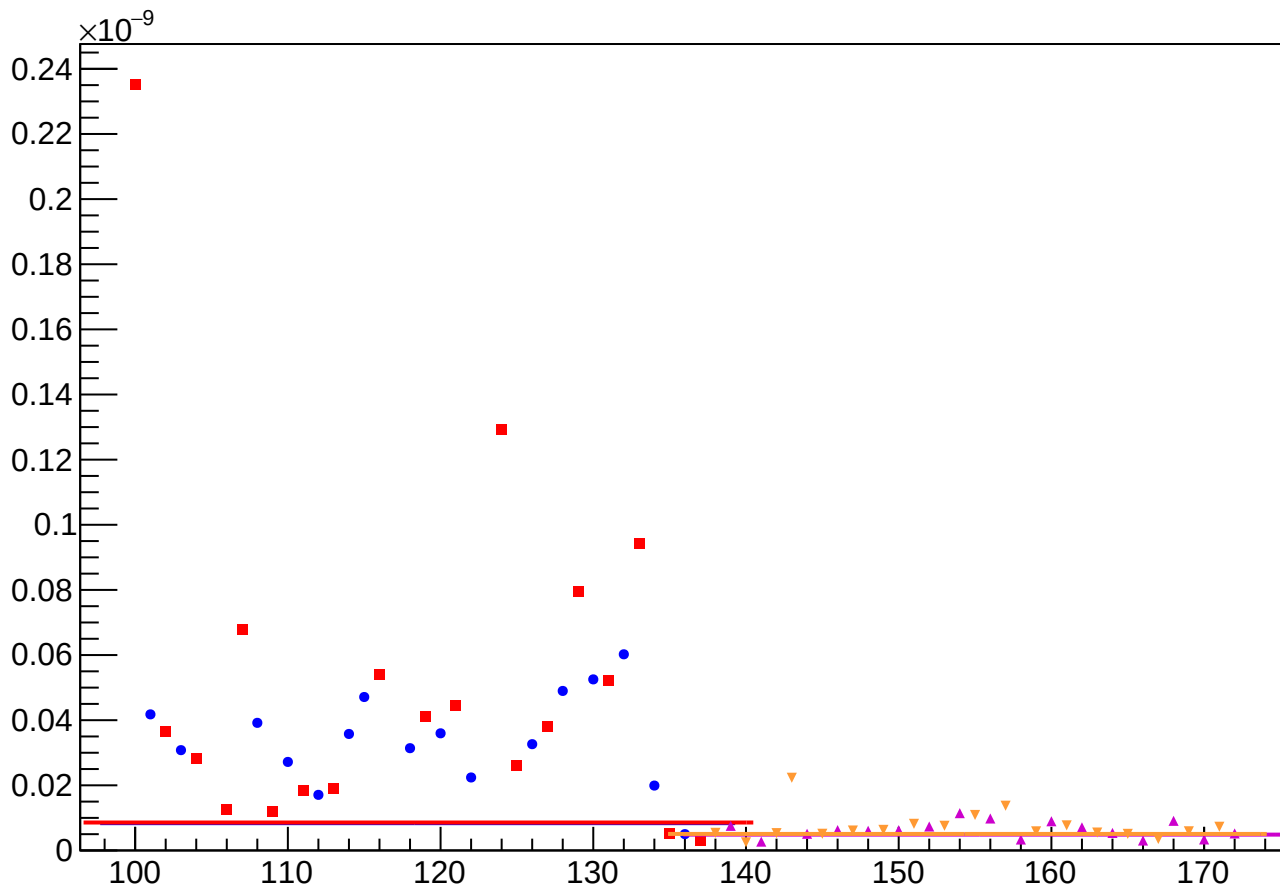
asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



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

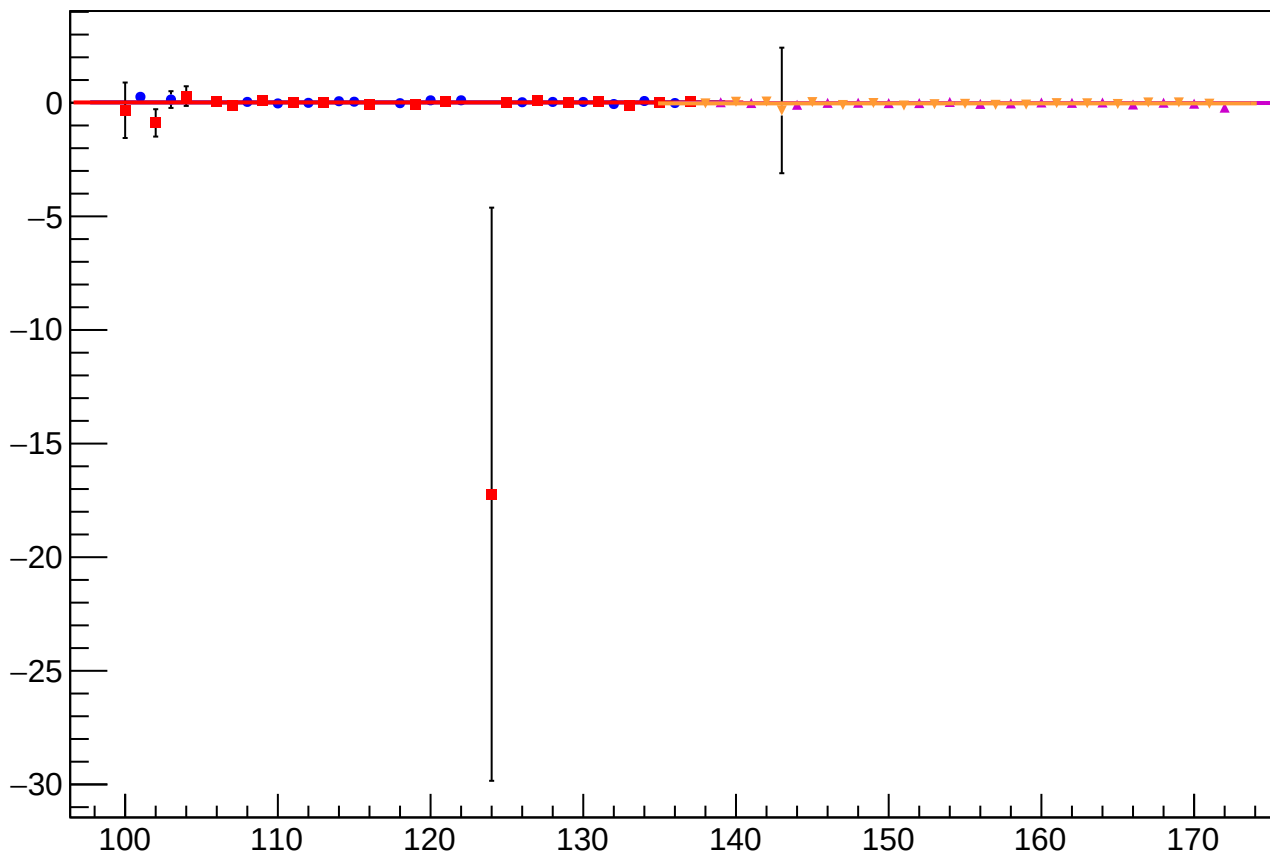
Left In: 0.000+/-0.000 χ^2/NDF :1690417.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5257339.1/33

All: 0.000+/-0.000 χ^2/NDF : 10704039.2/69

- sign 0.000+/-0.000 χ^2/NDF : 5436626.2/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_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

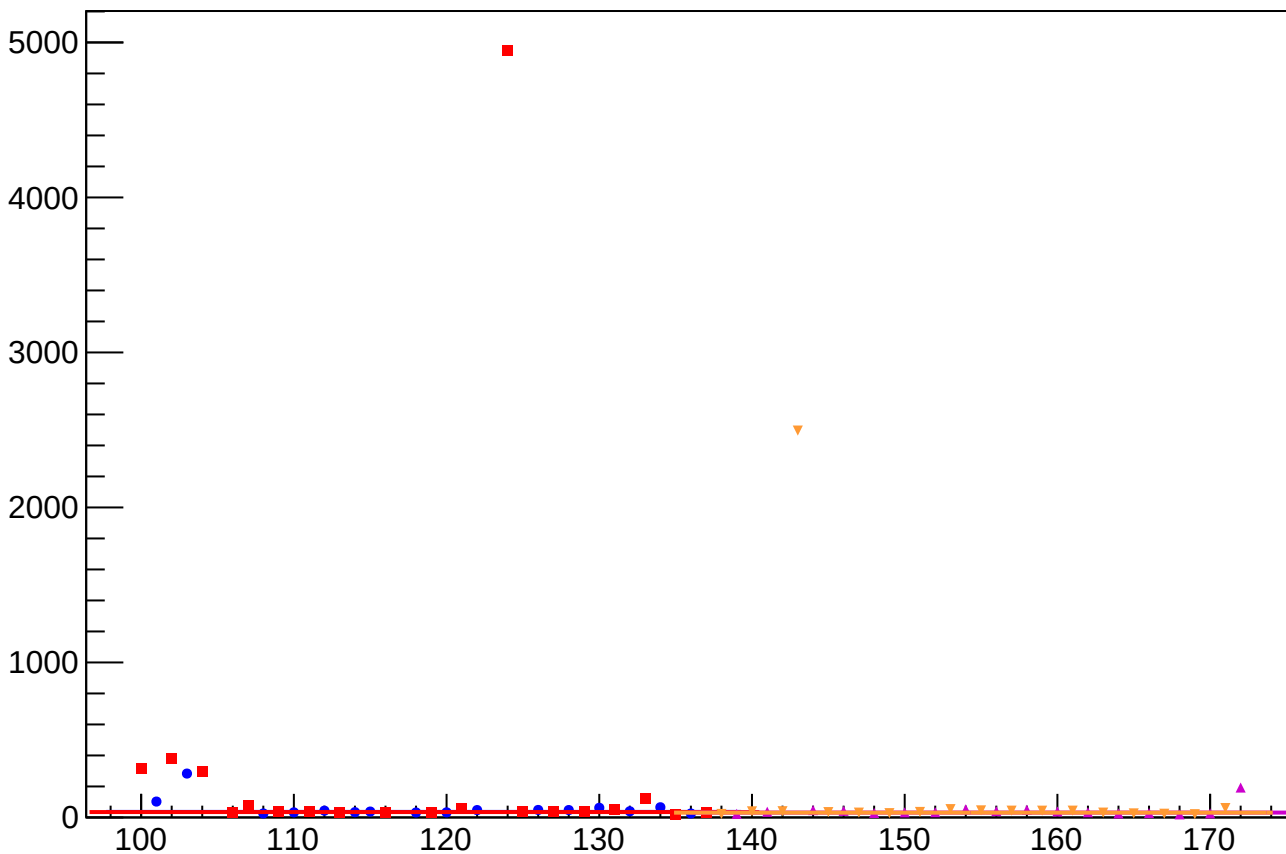
Left In: -0.011 ± 0.010 χ^2/NDF : 10.6/16

+ sign -0.015 ± 0.008 χ^2/NDF : 40.8/33

All: -0.010 ± 0.006 χ^2/NDF : 70.2/69

- sign -0.005 ± 0.008 χ^2/NDF : 28.6/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 31.047 $\pm$ 0.007 χ^2 /NDF: 3388970.2/17

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

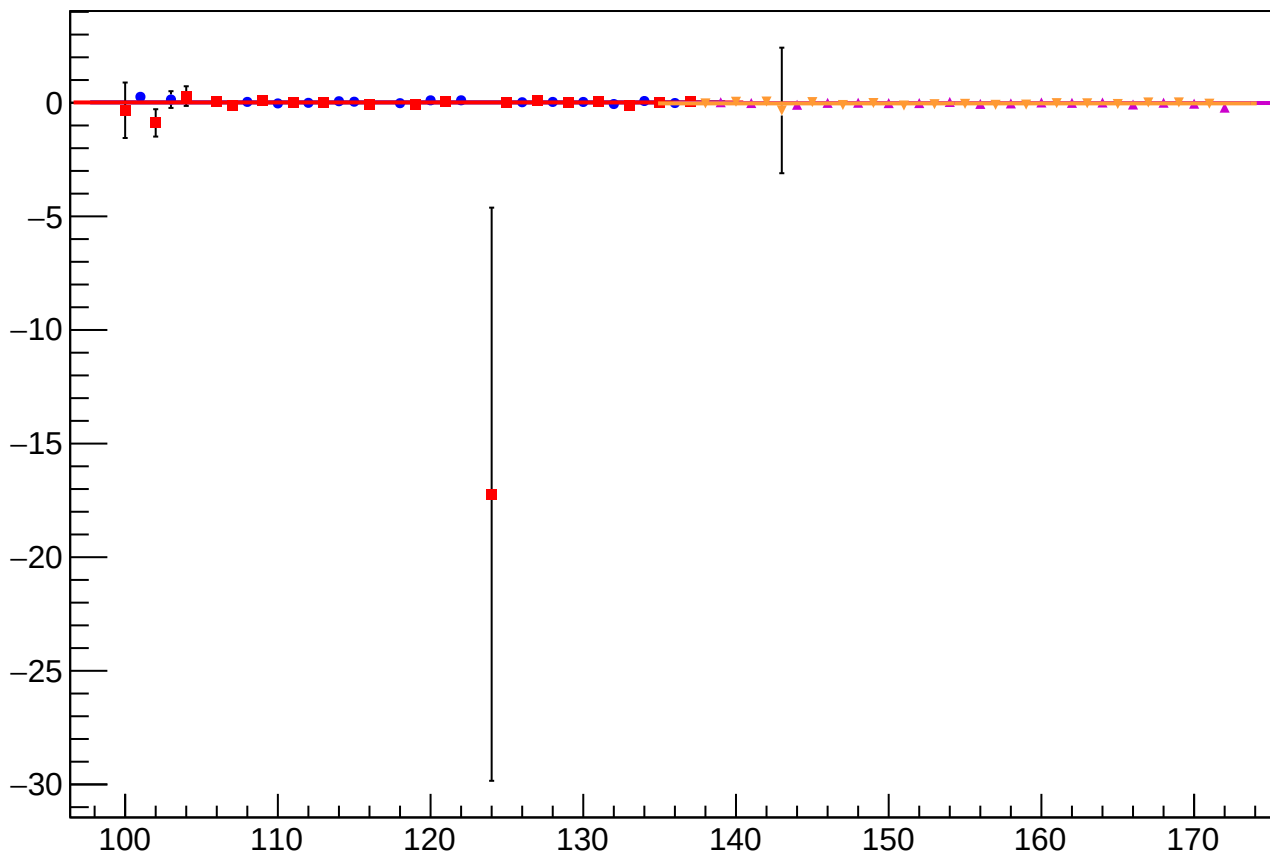
Left In: 31.477 $\pm$ 0.007 χ^2 /NDF: 2795037.4/16

+ sign 32.346 $\pm$ 0.006 χ^2 /NDF: 5787420.7/33

All: 32.362 $\pm$ 0.004 χ^2 /NDF: 11562446.4/69

- sign 32.378 $\pm$ 0.006 χ^2 /NDF: 5775010.5/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.015 χ^2/NDF : 11.5/15

Left Out: -0.027 ± 0.010 χ^2/NDF : 23.4/17

Right Out: 0.014 ± 0.016 χ^2/NDF : 16.0/18

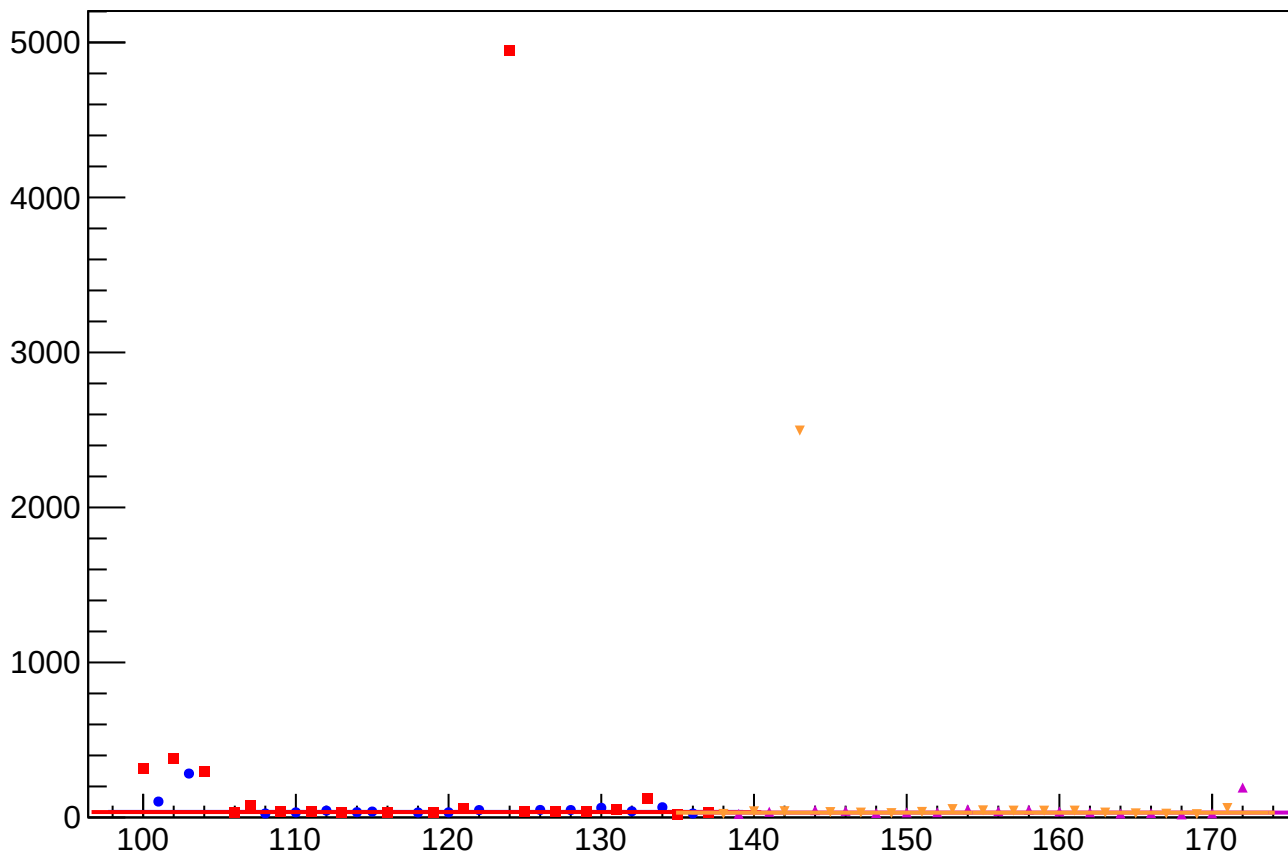
Left In: -0.011 ± 0.010 χ^2/NDF : 10.6/16

+ sign -0.015 ± 0.008 χ^2/NDF : 40.8/33

All: -0.010 ± 0.006 χ^2/NDF : 70.2/69

- sign -0.005 ± 0.008 χ^2/NDF : 28.6/35

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742 $\pm$ 0.011 χ^2 /NDF: 2264790.8/15

Left Out: 31.047 $\pm$ 0.007 χ^2 /NDF: 3388970.2/17

Right Out: 34.797 $\pm$ 0.011 χ^2 /NDF: 2914137.1/18

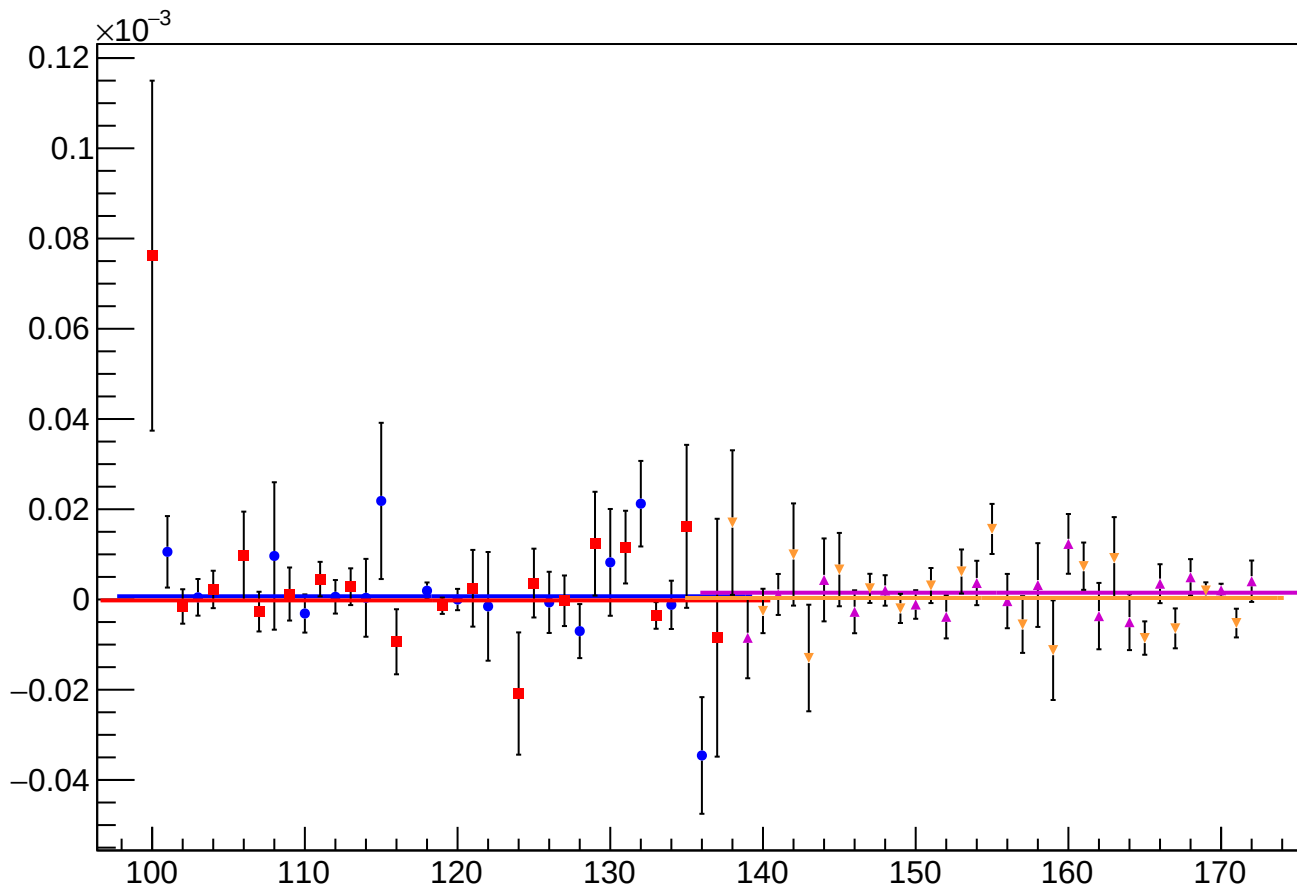
Left In: 31.477 $\pm$ 0.007 χ^2 /NDF: 2795037.4/16

+ sign 32.346 $\pm$ 0.006 χ^2 /NDF: 5787420.7/33

All: 32.362 $\pm$ 0.004 χ^2 /NDF: 11562446.4/69

- sign 32.378 $\pm$ 0.006 χ^2 /NDF: 5775010.5/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.1/18

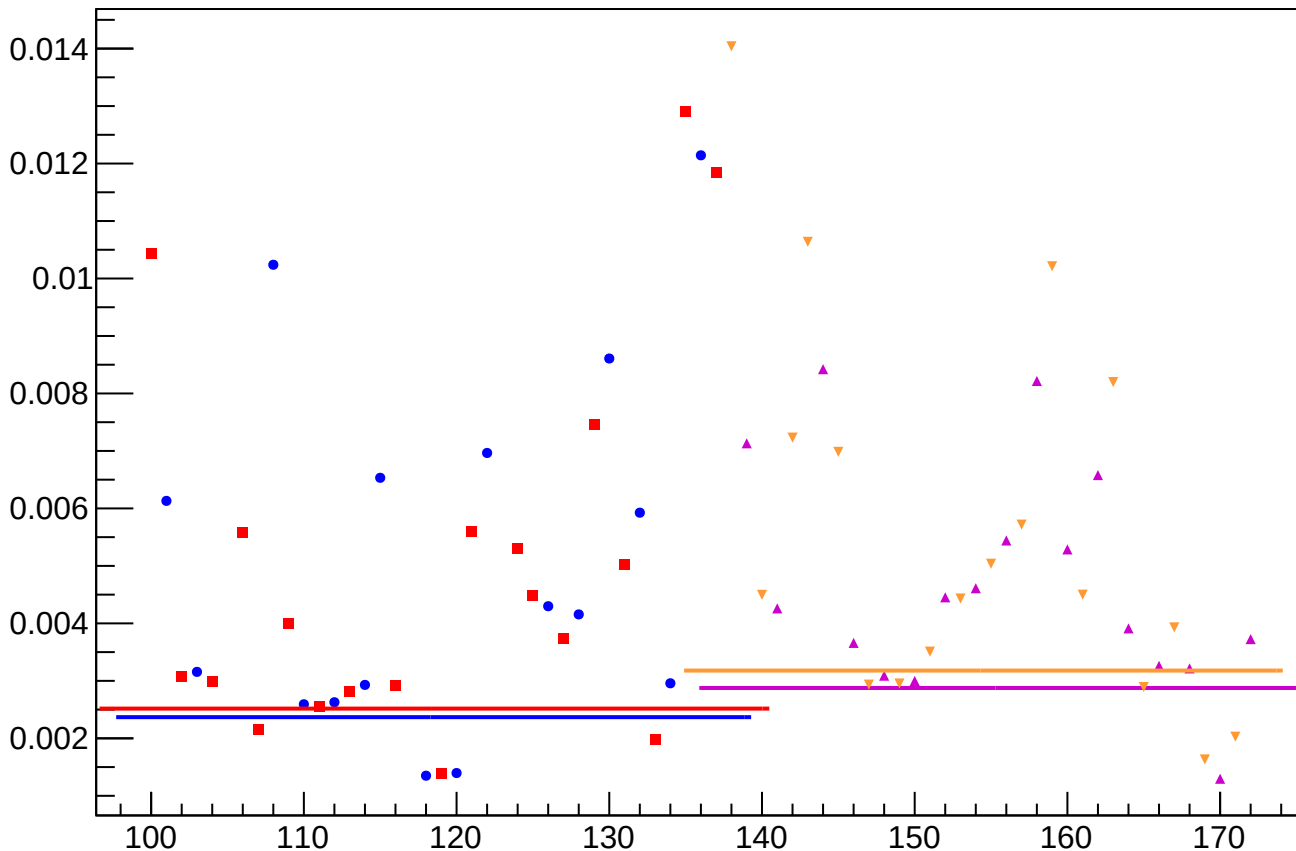
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2/NDF : 4721602.1/15

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 6587816.3/17

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 3397462.9/18

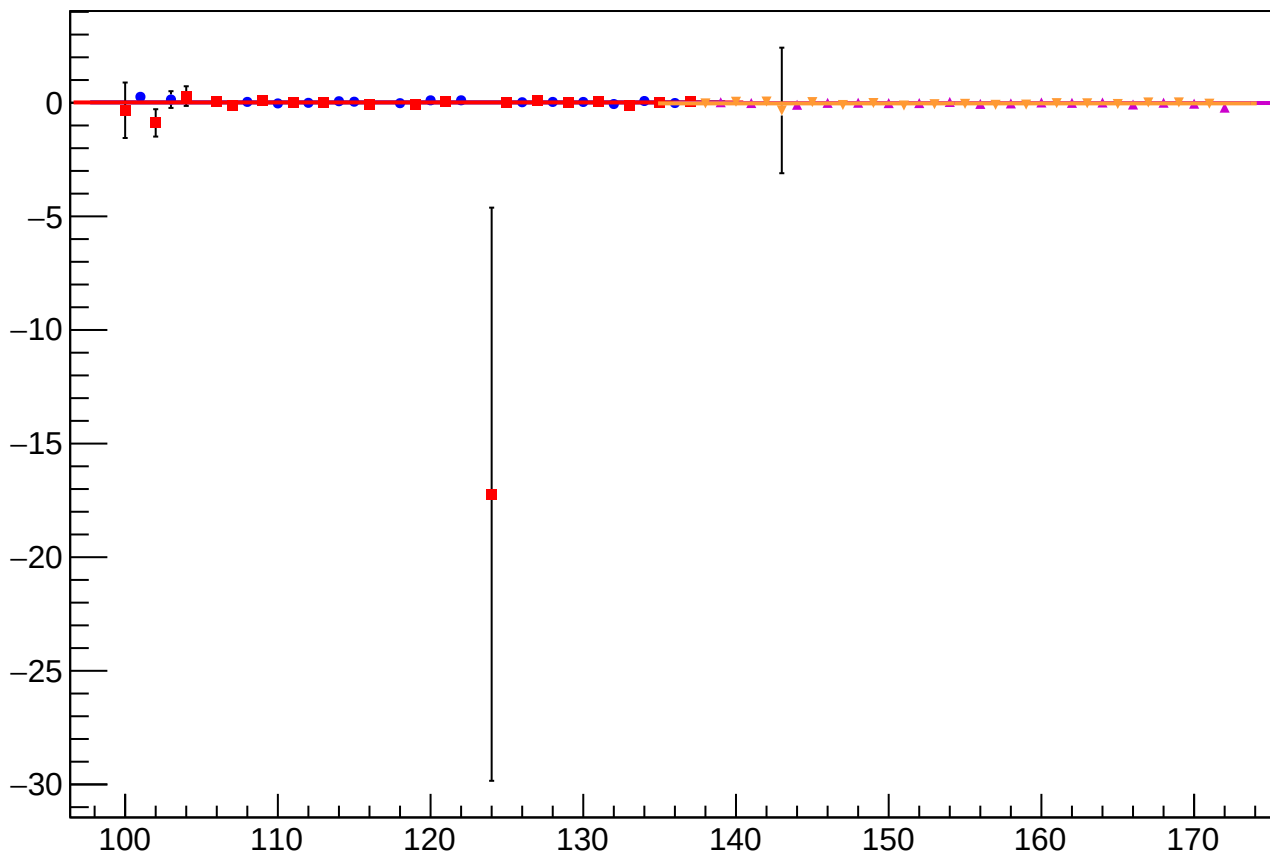
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 6239601.8/16

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 11903831.4/33

All: 0.003 $\pm$ 0.000 χ^2/NDF : 21687166.0/69

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 9765090.6/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.027 $\pm$ 0.010 χ^2 /NDF: 23.4/17

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

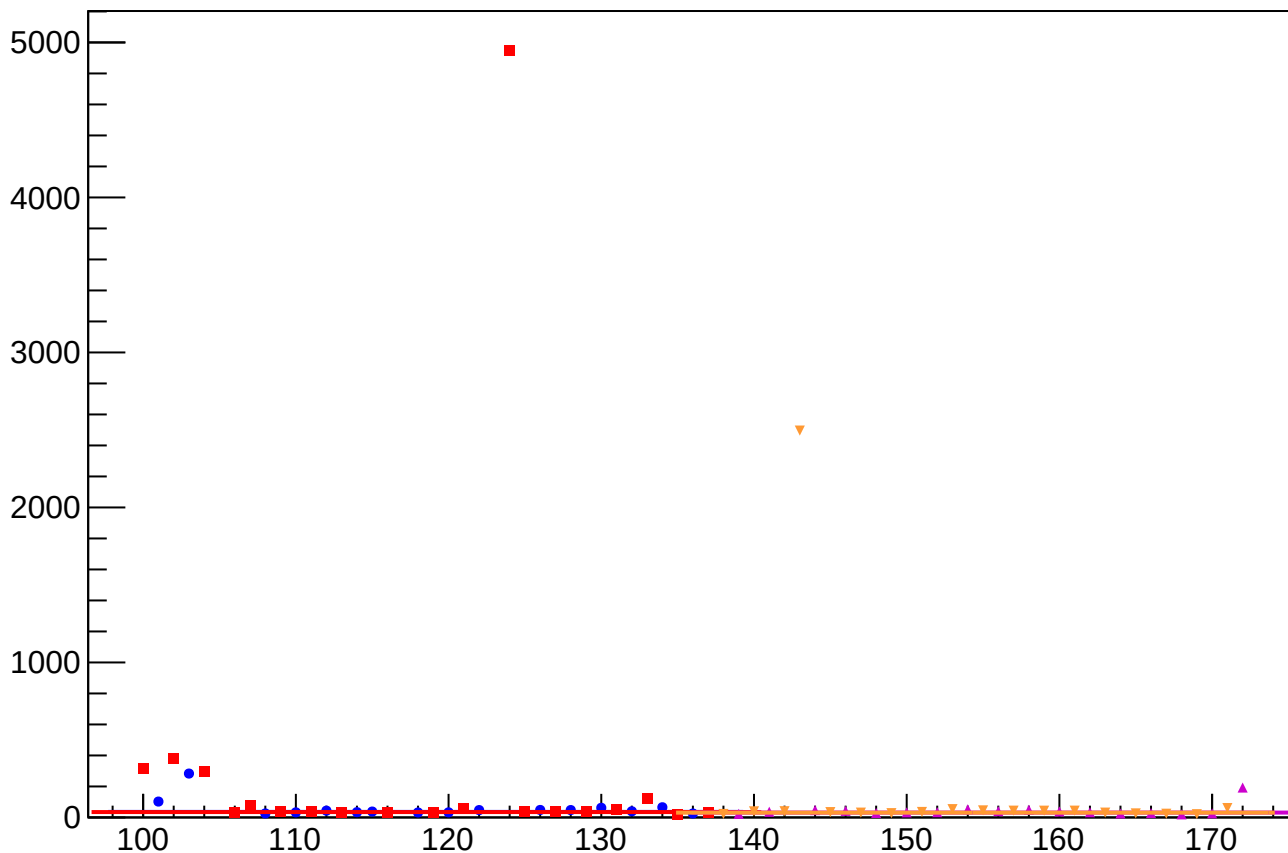
Left In: -0.011 $\pm$ 0.010 χ^2 /NDF: 10.7/16

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 40.8/33

All: -0.010 $\pm$ 0.006 χ^2 /NDF: 70.2/69

- sign -0.005 $\pm$ 0.008 χ^2 /NDF: 28.6/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.743+/-0.011 χ^2/NDF : 2264513.9/15

Left Out: 31.046+/-0.007 χ^2/NDF : 3389231.6/17

Right Out: 34.798+/-0.011 χ^2/NDF : 2913962.5/18

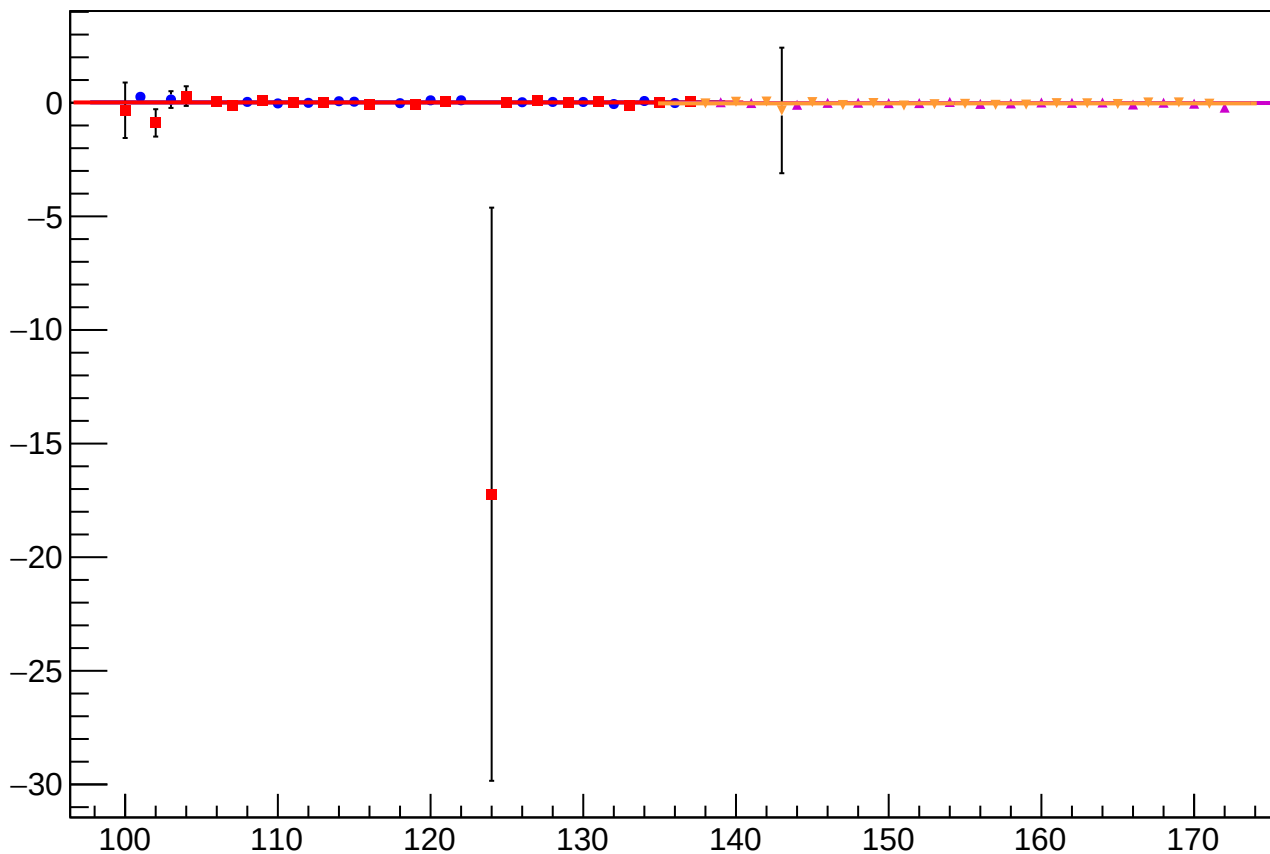
Left In: 31.475+/-0.007 χ^2/NDF : 2795602.4/16

+ sign 32.346+/-0.006 χ^2/NDF : 5787498.8/33

All: 32.361+/-0.004 χ^2/NDF : 11563000.5/69

- sign 32.377+/-0.006 χ^2/NDF : 5775487.4/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.015 χ^2 /NDF: 11.5/15

Left Out: -0.027 $\pm$ 0.010 χ^2 /NDF:23.4/17

Right Out: 0.014 $\pm$ 0.016 χ^2 /NDF: 16.0/18

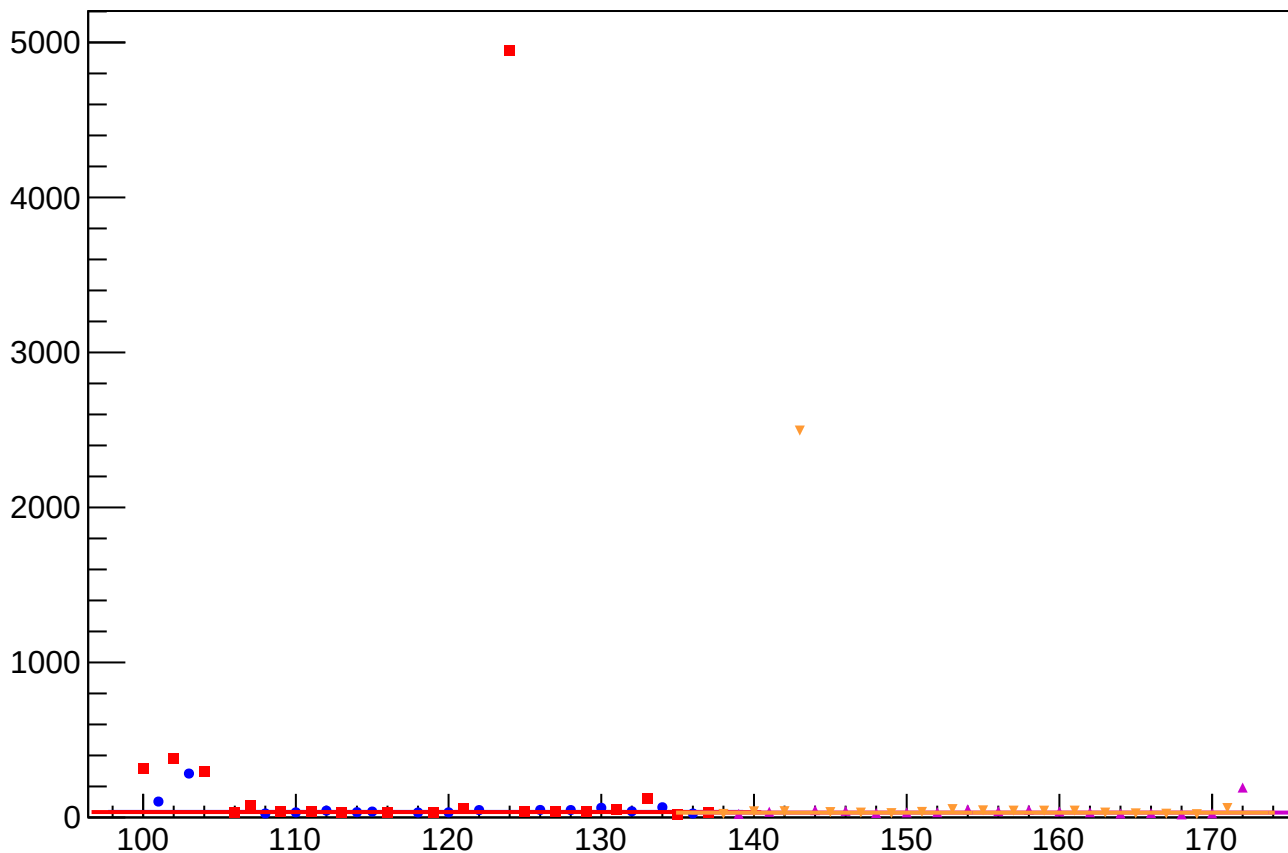
Left In: -0.011 $\pm$ 0.010 χ^2 /NDF:10.7/16

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 40.8/33

All: -0.010 $\pm$ 0.006 χ^2 /NDF: 70.2/69

- sign -0.005 $\pm$ 0.008 χ^2 /NDF: 28.6/35

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

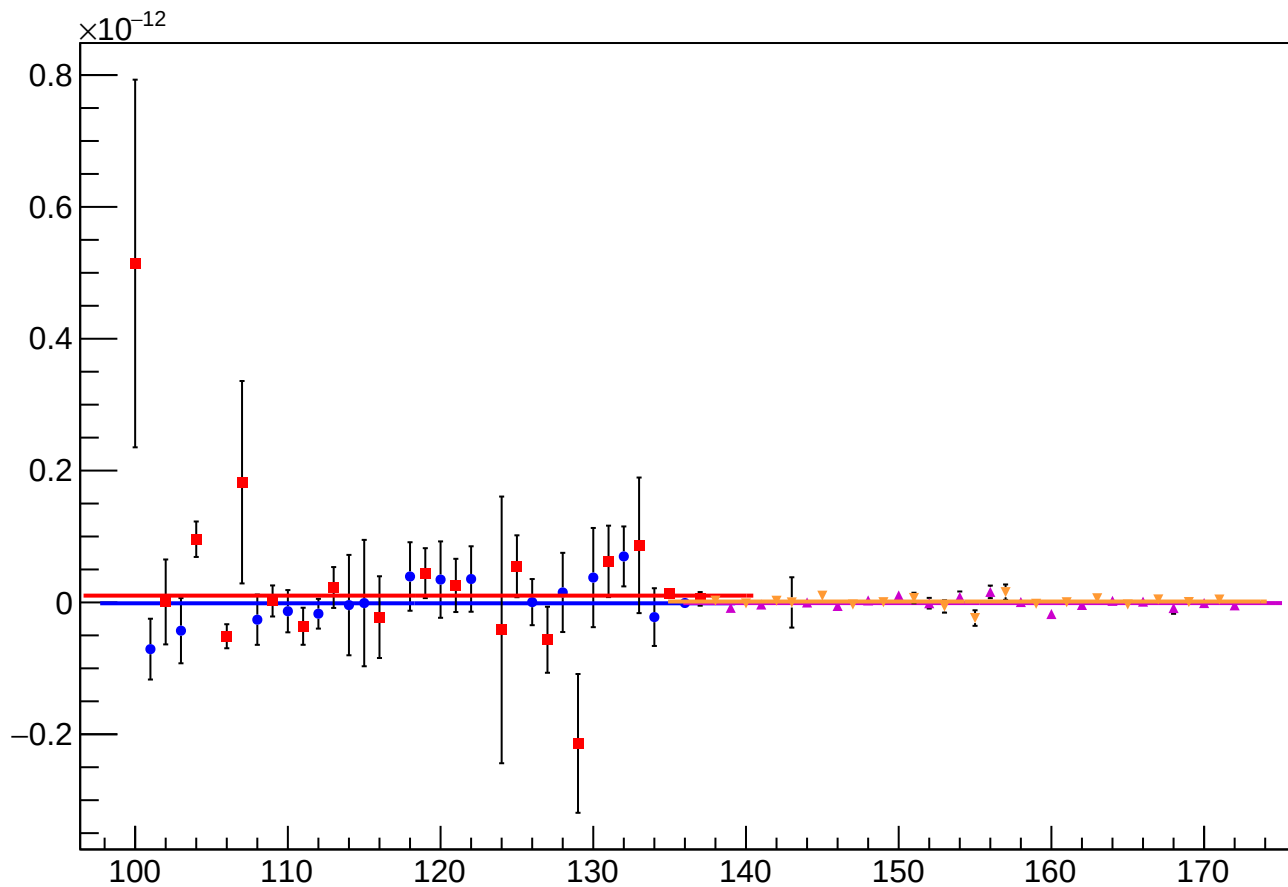
Left In: 31.475+/-0.007 χ^2/NDF : 2795602.4/16

+ sign 32.346+/-0.006 χ^2/NDF : 5787498.8/33

All: 32.361+/-0.004 χ^2/NDF : 11563000.5/69

- sign 32.377+/-0.006 χ^2/NDF : 5775487.4/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_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 : 13.0/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 39.9/18

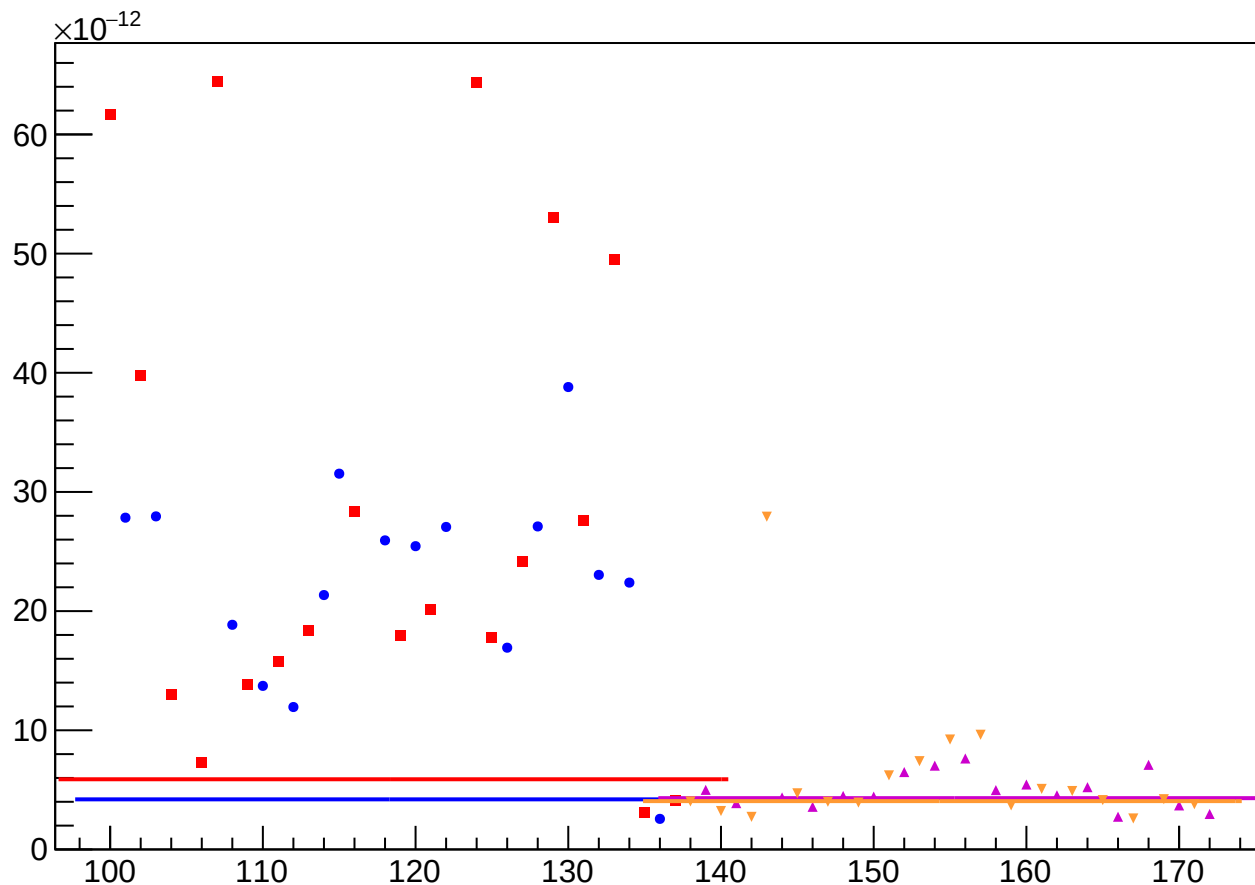
Left In: -0.000 ± 0.000 χ^2/NDF : 19.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 22.2/33

All: 0.000 ± 0.000 χ^2/NDF : 87.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 65.4/35

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

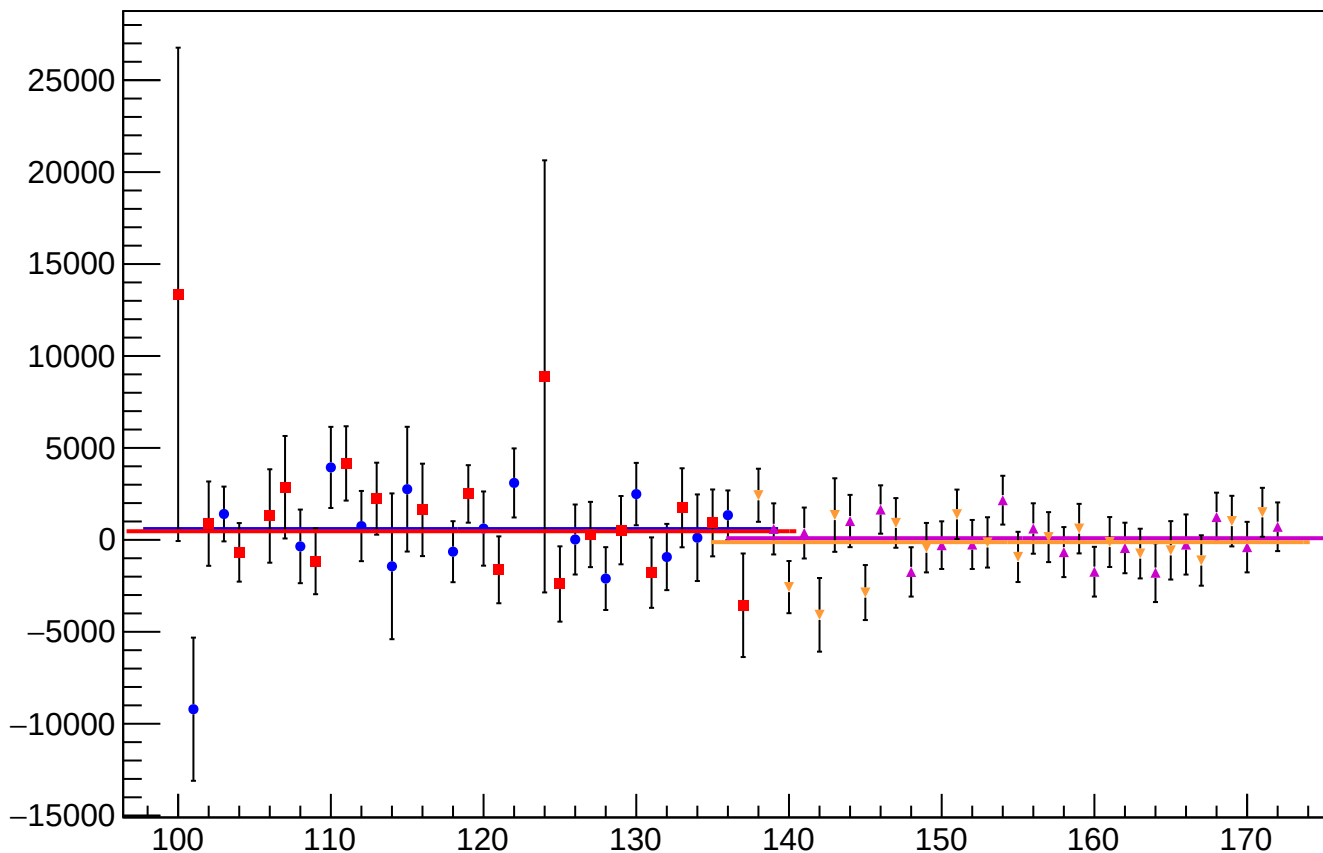
Left In: 0.000+/-0.000 χ^2/NDF : 1493959.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 7747202.0/33

All: 0.000+/-0.000 χ^2/NDF : 14448739.8/69

- sign 0.000+/-0.000 χ^2/NDF : 6613296.5/35

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 586.935 $\pm$ 482.434 χ^2 /NDF: 17.1/15

Left Out: -123.603 $\pm$ 336.112 χ^2 /NDF:19.5/17

Right Out: 469.012 $\pm$ 480.516 χ^2 /NDF: 16.9/18

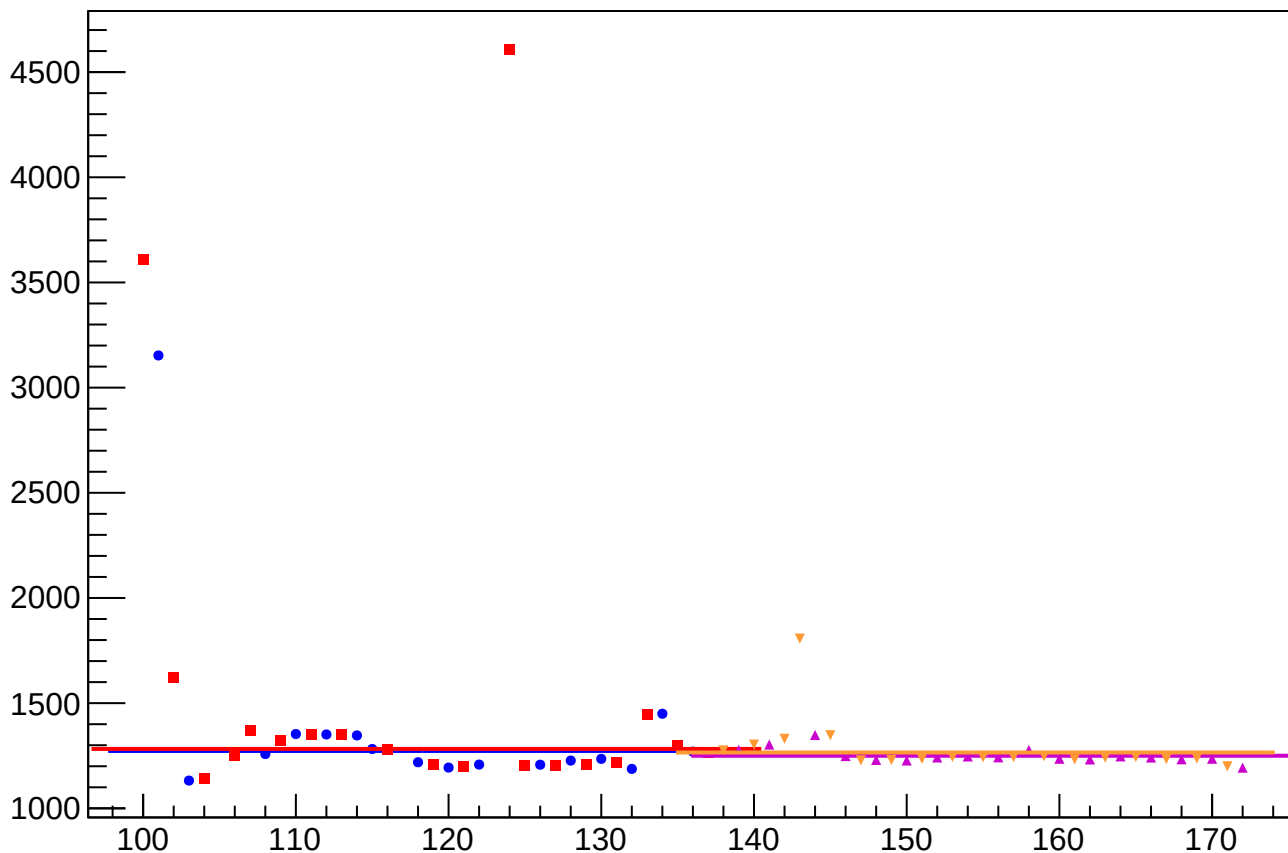
Left In: 90.575 $\pm$ 333.783 χ^2 /NDF:11.4/16

+ sign 108.585 $\pm$ 275.781 χ^2 /NDF: 38.0/33

All: 161.480 $\pm$ 194.422 χ^2 /NDF: 66.8/69

- sign 213.745 $\pm$ 274.135 χ^2 /NDF: 28.7/35

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519298.2/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF:171106.9/17

Right Out: 1282.365 $\pm$ 0.340 χ^2 /NDF: 322078.6/18

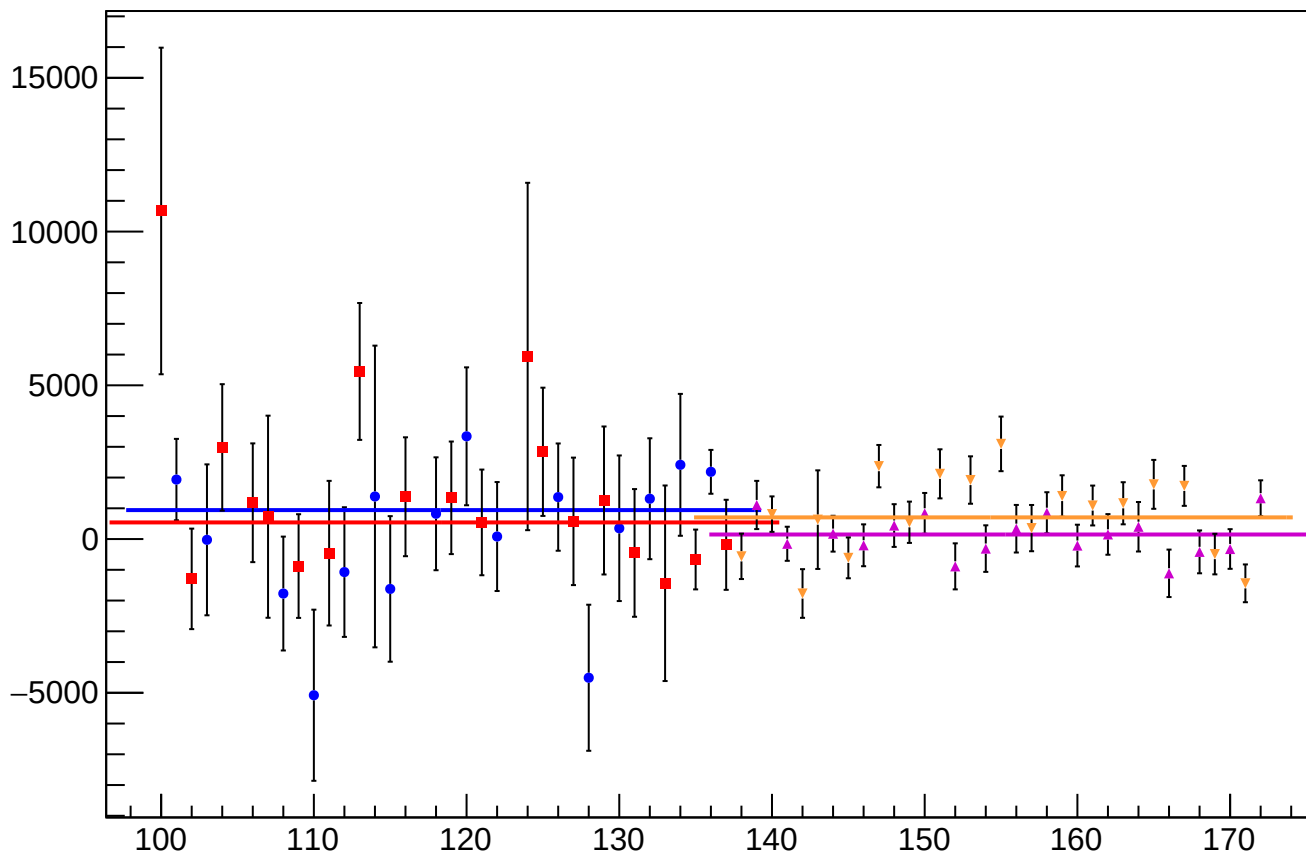
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF:20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690721.7/33

All: 1264.162 $\pm$ 0.137 χ^2 /NDF: 1039863.9/69

- sign 1260.544 $\pm$ 0.194 χ^2 /NDF: 348441.4/35

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

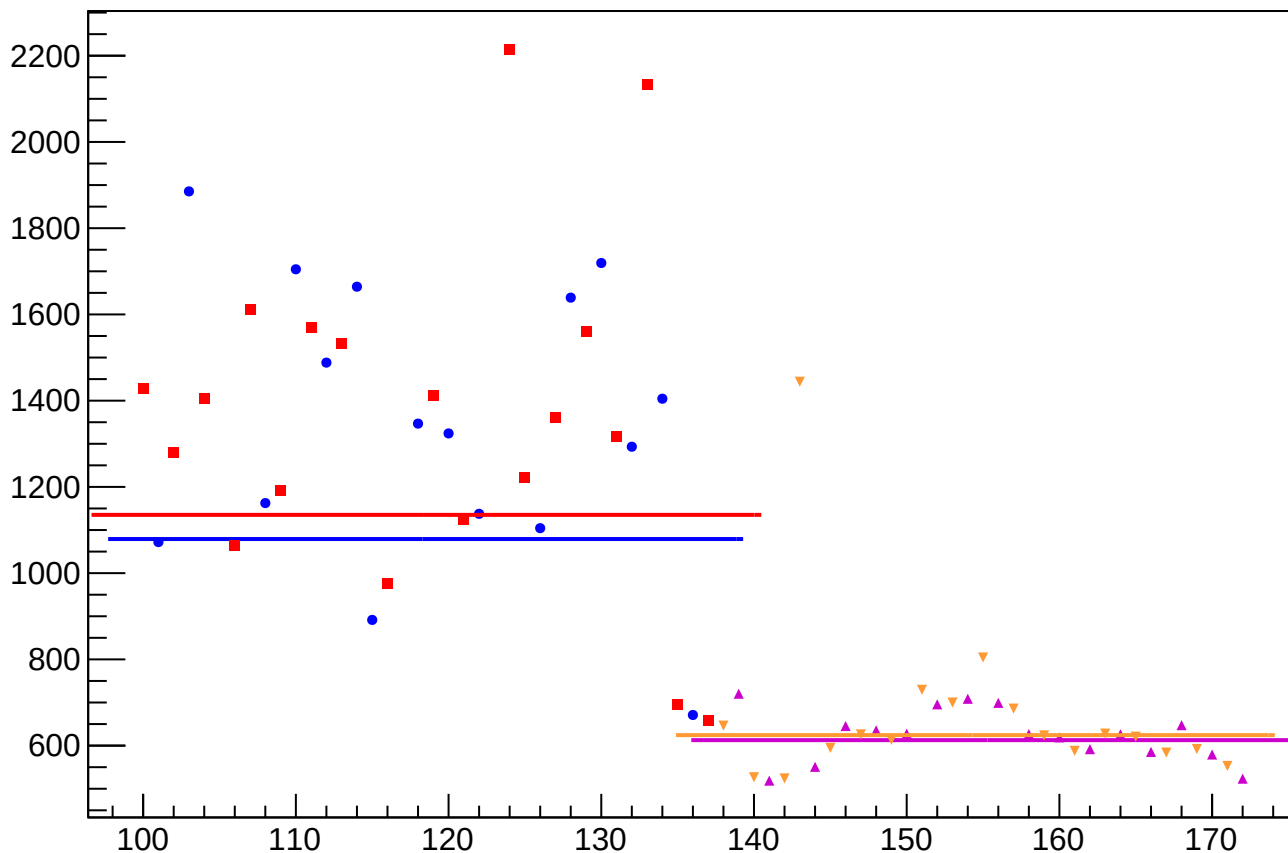
Left In: 148.040 ± 164.697 χ^2/NDF : 15.1/16

+ sign 736.779 ± 156.487 χ^2/NDF : 77.5/33

All: 462.636 ± 109.851 χ^2/NDF : 116.6/69

- sign 196.303 ± 154.242 χ^2/NDF : 33.0/35

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1079.120 $\pm$ 0.301 χ^2/NDF : 1482232.0/15

Left Out: 624.370 $\pm$ 0.119 χ^2/NDF : 813716.4/17

Right Out: 1135.161 $\pm$ 0.311 χ^2/NDF : 1293082.2/18

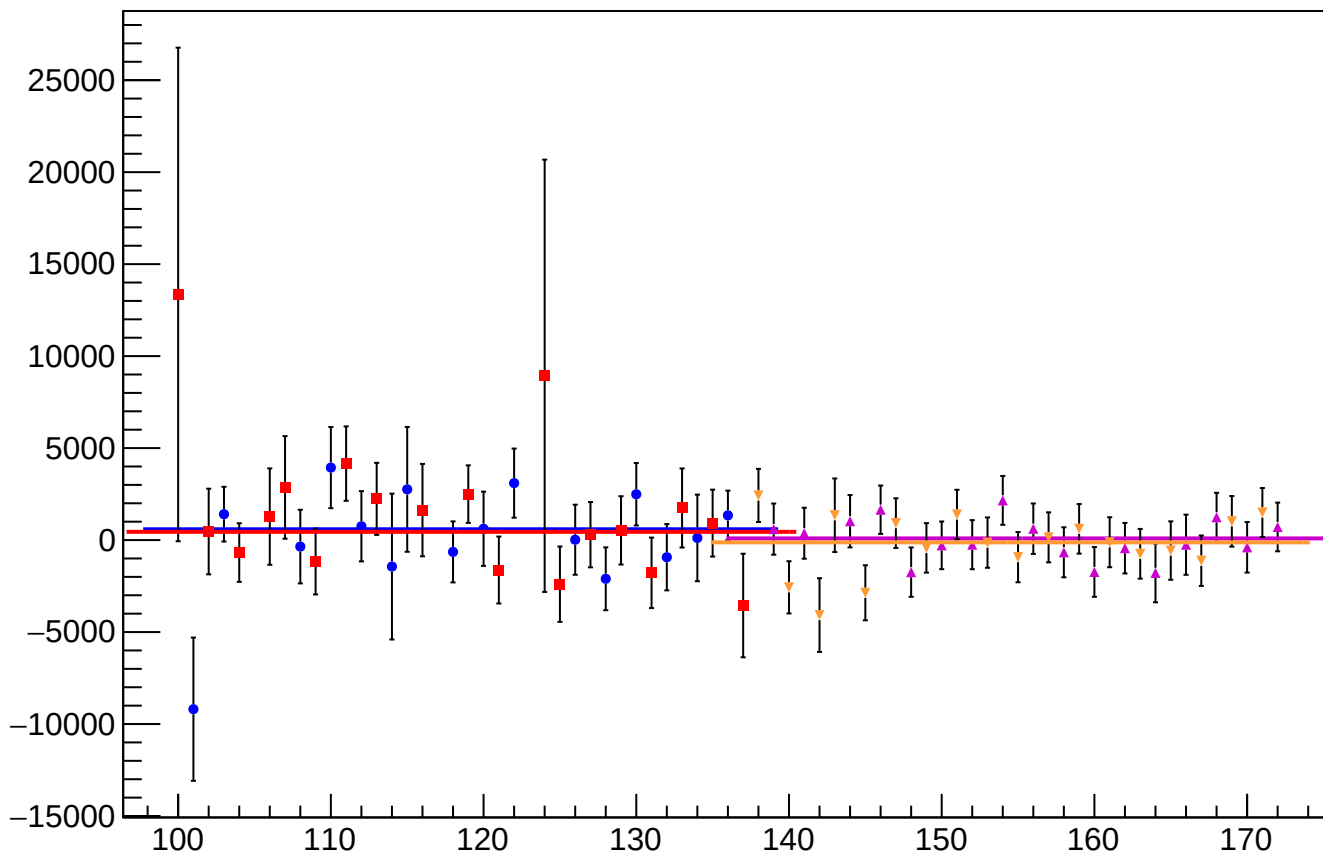
Left In: 612.733 $\pm$ 0.116 χ^2/NDF : 270769.5/16

+ sign 685.780 $\pm$ 0.111 χ^2/NDF : 4268751.9/33

All: 681.306 $\pm$ 0.078 χ^2/NDF : 8309803.1/69

- sign 676.959 $\pm$ 0.109 χ^2/NDF : 4037827.7/35

cor_asym_at1_dd_at2_dd_avg_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

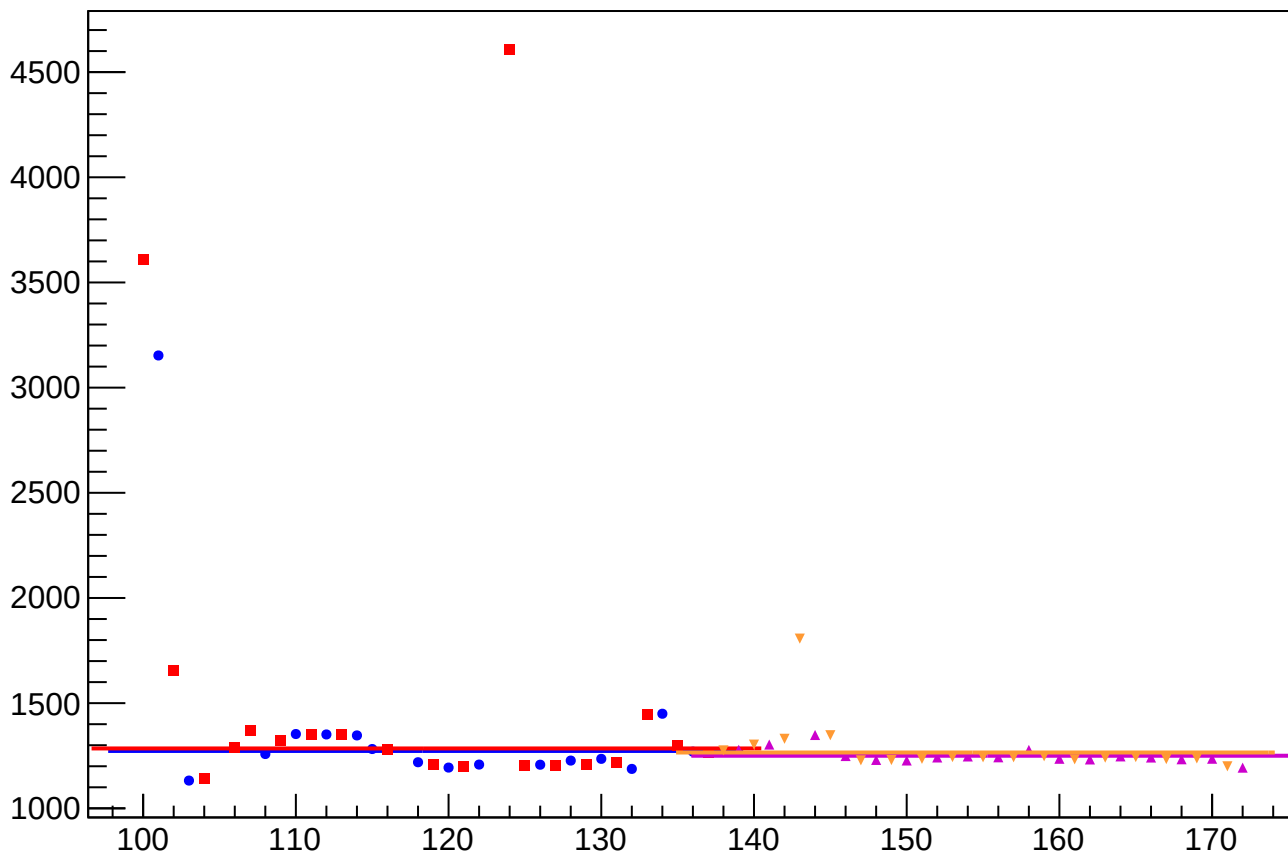
Left In: 90.626 ± 333.783 χ^2/NDF : 11.4/16

+ sign 108.645 ± 275.781 χ^2/NDF : 38.0/33

All: 157.994 ± 194.476 χ^2/NDF : 66.6/69

- sign 206.809 ± 274.286 χ^2/NDF : 28.6/35

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF:171106.8/17

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

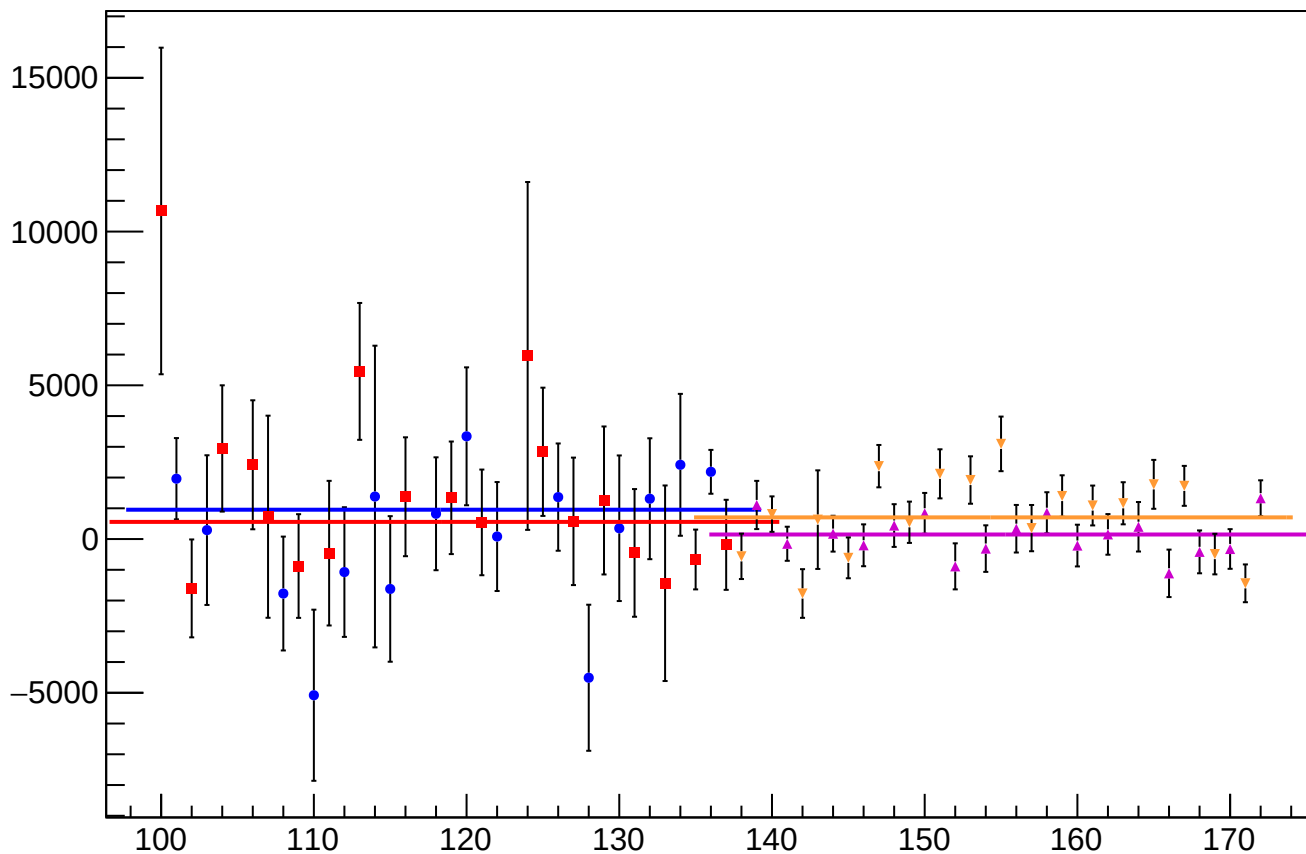
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF:20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690723.1/33

All: 1264.525 $\pm$ 0.138 χ^2 /NDF: 1047269.6/69

- sign 1261.264 $\pm$ 0.194 χ^2 /NDF: 355977.7/35

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 704.769 $\pm$ 168.261 χ^2 /NDF: 57.3/17

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

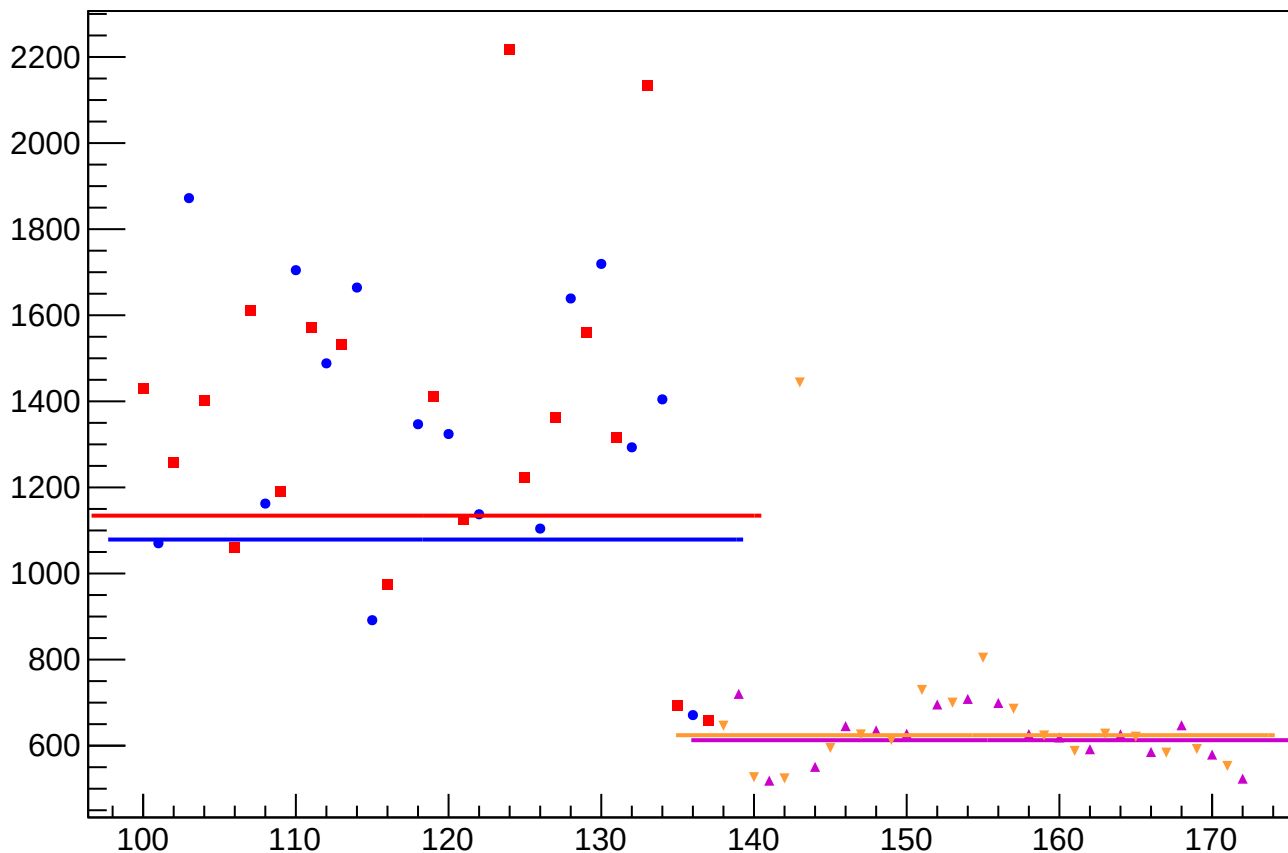
Left In: 148.026 $\pm$ 164.697 χ^2 /NDF: 15.1/16

+ sign 738.470 $\pm$ 156.479 χ^2 /NDF: 77.5/33

All: 464.532 $\pm$ 109.861 χ^2 /NDF: 117.8/69

- sign 198.248 $\pm$ 154.278 χ^2 /NDF: 34.3/35

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1078.932 $\pm$ 0.301 χ^2 /NDF: 1478719.9/15

Left Out: 624.375 $\pm$ 0.119 χ^2 /NDF:813628.8/17

+ sign 685.804 $\pm$ 0.111 χ^2 /NDF: 4264888.3/33

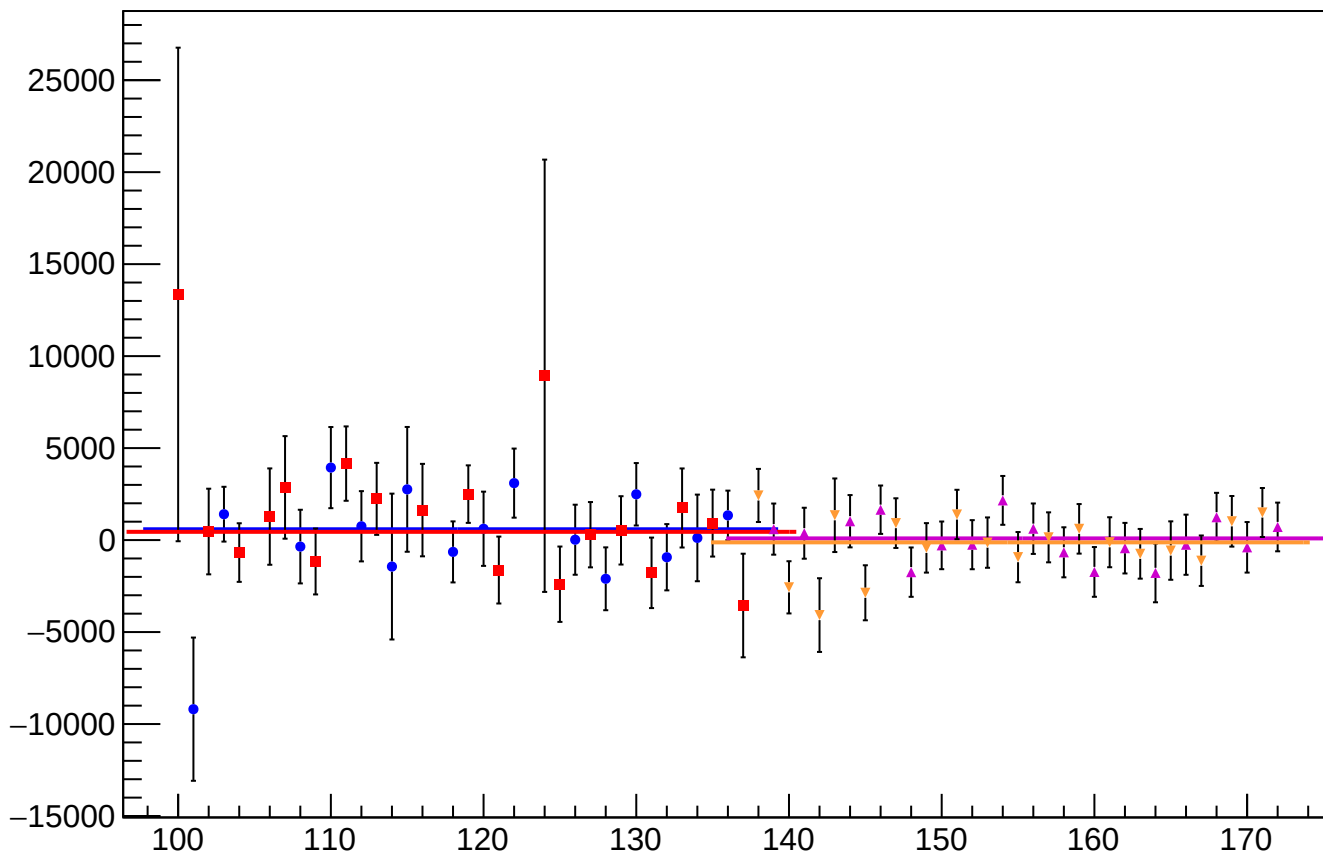
Right Out: 1134.428 $\pm$ 0.312 χ^2 /NDF: 1288899.2/18

All: 681.162 $\pm$ 0.078 χ^2 /NDF: 8286736.1/69

- sign 676.649 $\pm$ 0.109 χ^2 /NDF: 4018376.1/35

Left In: 612.730 $\pm$ 0.116 χ^2 /NDF:270782.3/16

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 587.254+/-482.434 χ^2/NDF : 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF : 19.5/17

Right Out: 448.412+/-481.333 χ^2/NDF : 16.8/18

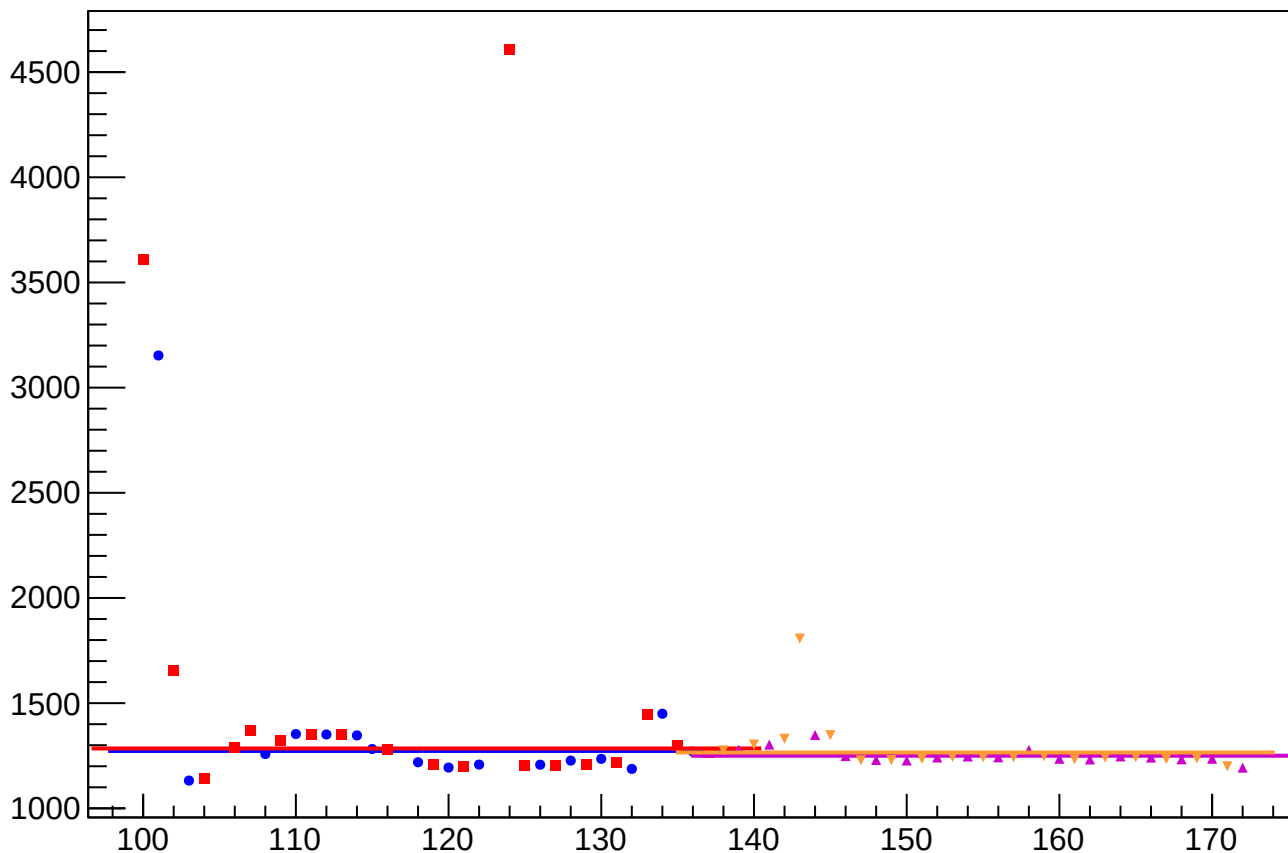
Left In: 90.626+/-333.783 χ^2/NDF : 11.4/16

+ sign 108.645+/-275.781 χ^2/NDF : 38.0/33

All: 157.994+/-194.476 χ^2/NDF : 66.6/69

- sign 206.809+/-274.286 χ^2/NDF : 28.6/35

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1272.804 $\pm$ 0.341 χ^2 /NDF: 519299.6/15

Left Out: 1265.405 $\pm$ 0.238 χ^2 /NDF: 171106.8/17

Right Out: 1284.654 $\pm$ 0.340 χ^2 /NDF: 328734.9/18

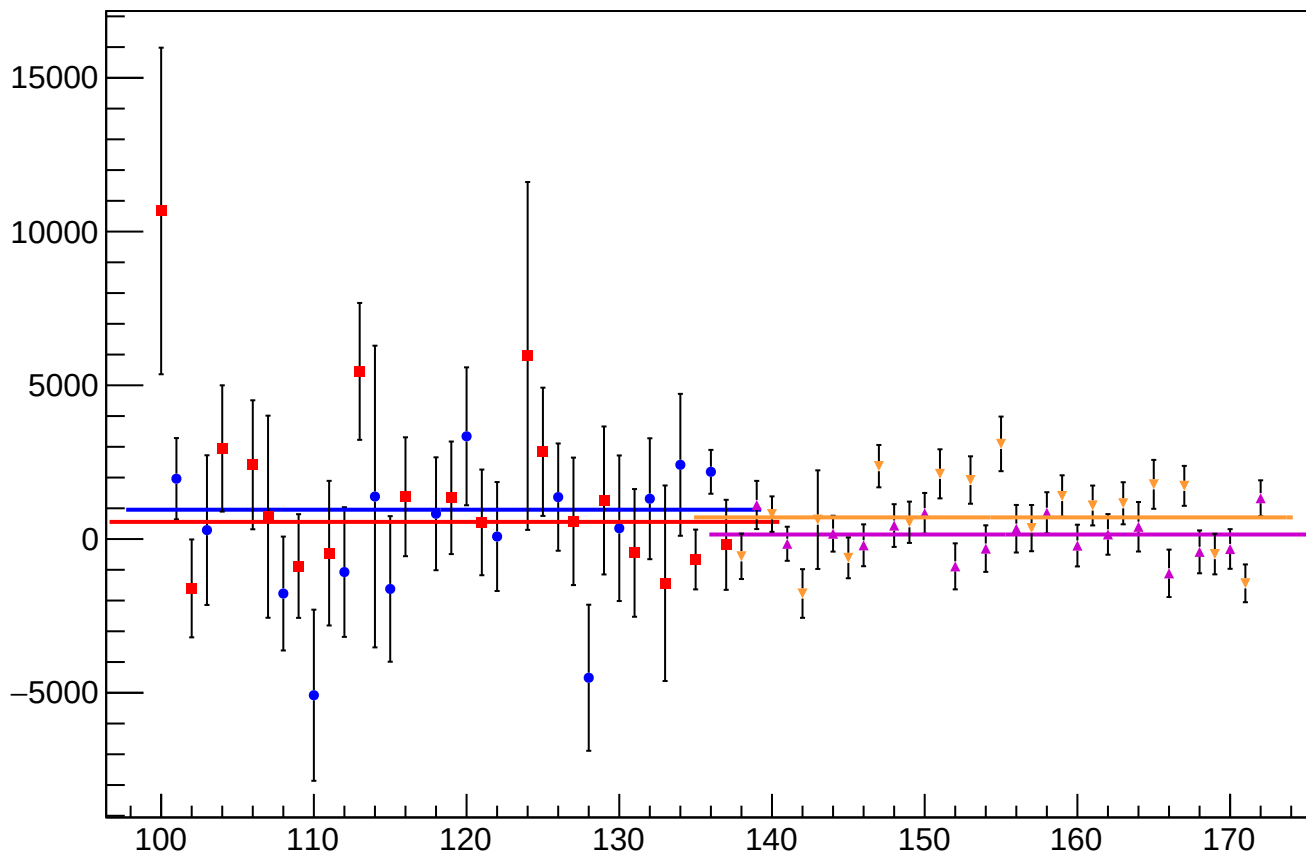
Left In: 1250.015 $\pm$ 0.236 χ^2 /NDF: 20248.3/16

+ sign 1267.823 $\pm$ 0.195 χ^2 /NDF: 690723.1/33

All: 1264.525 $\pm$ 0.138 χ^2 /NDF: 1047269.6/69

- sign 1261.264 $\pm$ 0.194 χ^2 /NDF: 355977.7/35

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 954.146 $\pm$ 425.660 χ^2 /NDF: 19.9/15

Left Out: 704.769 $\pm$ 168.261 χ^2 /NDF: 57.3/17

Right Out: 557.935 $\pm$ 440.758 χ^2 /NDF: 18.4/18

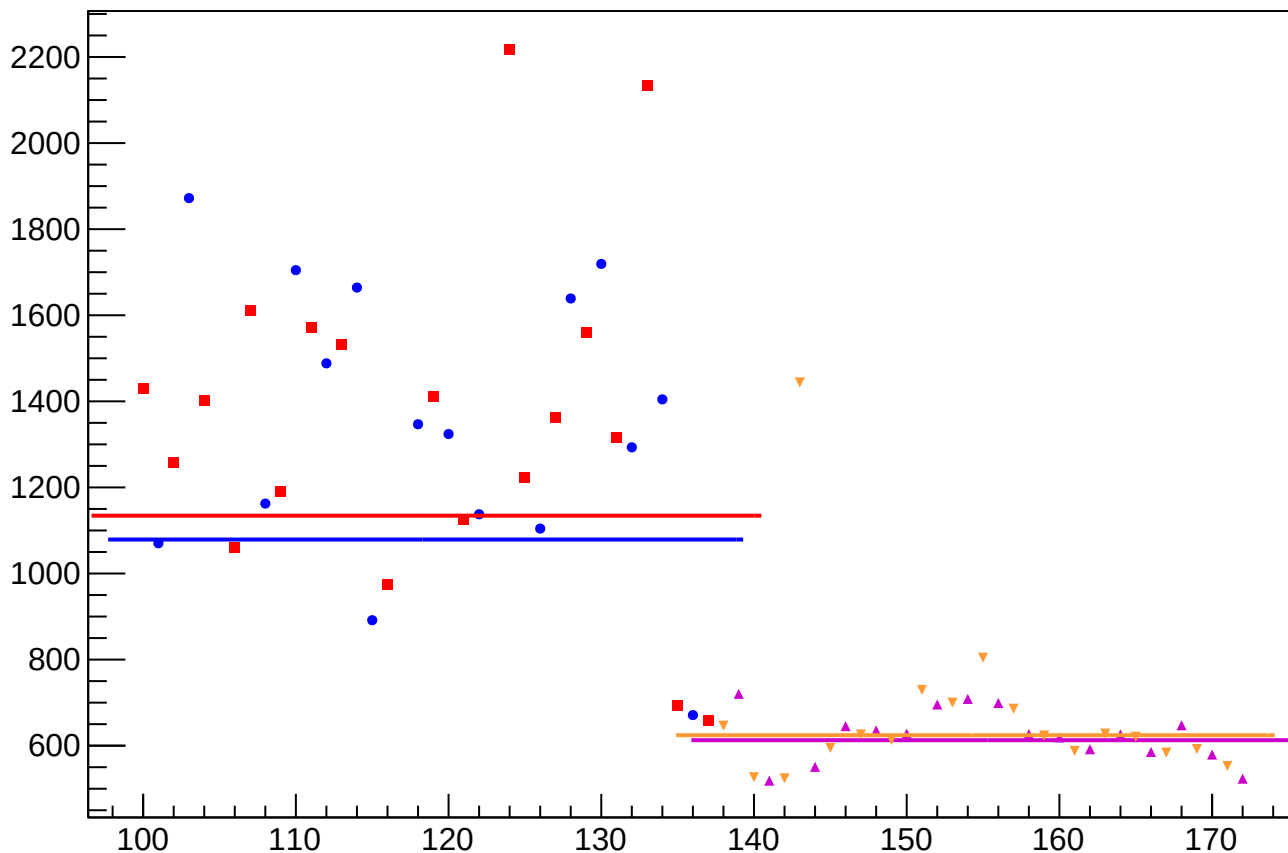
Left In: 148.026 $\pm$ 164.697 χ^2 /NDF: 15.1/16

+ sign 738.470 $\pm$ 156.479 χ^2 /NDF: 77.5/33

All: 464.532 $\pm$ 109.861 χ^2 /NDF: 117.8/69

- sign 198.248 $\pm$ 154.278 χ^2 /NDF: 34.3/35

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1078.932 ± 0.301 $\chi^2/\text{NDF}: 1478719.9/15$

Left Out: 624.375 ± 0.119 $\chi^2/\text{NDF}: 813628.8/17$

Right Out: 1134.428 ± 0.312 $\chi^2/\text{NDF}: 1288899.2/18$

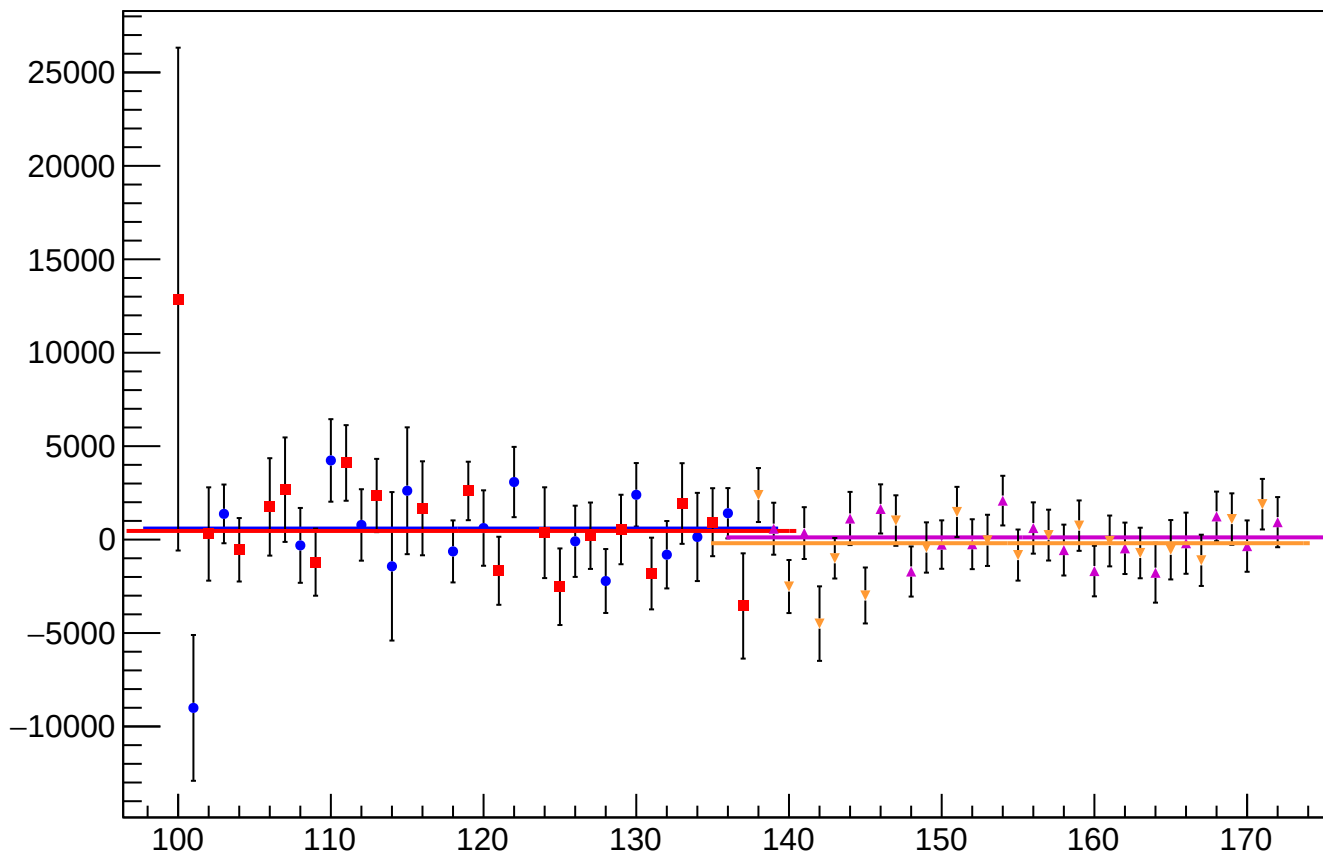
Left In: 612.730 ± 0.116 $\chi^2/\text{NDF}: 270782.3/16$

+ sign 685.804 ± 0.111 $\chi^2/\text{NDF}: 4264888.3/33$

All: 681.162 ± 0.078 $\chi^2/\text{NDF}: 8286736.1/69$

- sign 676.649 ± 0.109 $\chi^2/\text{NDF}: 4018376.1/35$

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.322 $\pm$ 485.483 χ^2 /NDF: 17.1/15

Left Out: -193.203 $\pm$ 325.732 χ^2 /NDF:21.7/17

Right Out: 462.606 $\pm$ 476.795 χ^2 /NDF: 16.7/18

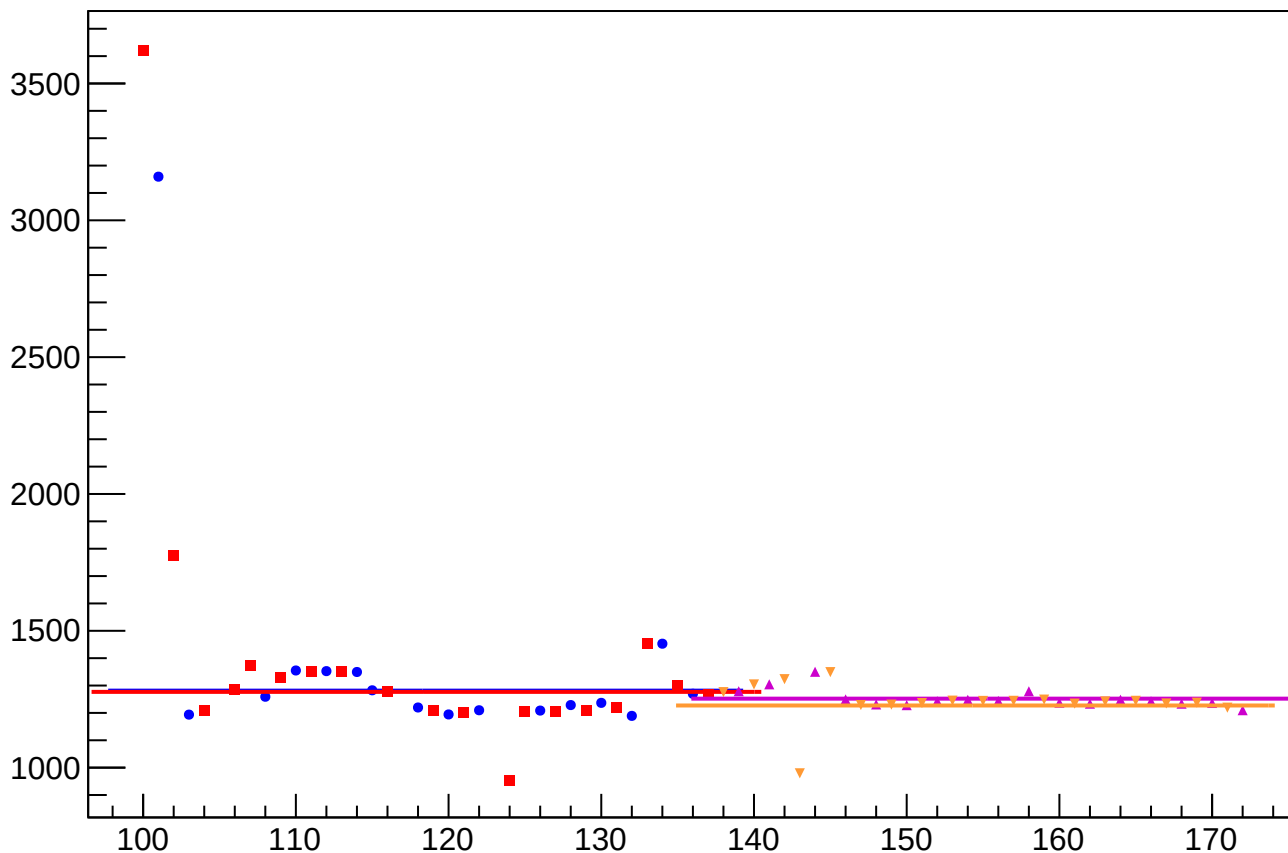
Left In: 119.011 $\pm$ 334.326 χ^2 /NDF:11.2/16

+ sign 50.022 $\pm$ 270.490 χ^2 /NDF: 40.6/33

All: 140.056 $\pm$ 192.403 χ^2 /NDF: 69.0/69

- sign 232.264 $\pm$ 273.737 χ^2 /NDF: 28.2/35

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369 $\pm$ 0.343 χ^2 /NDF: 507078.4/15

Left Out: 1227.116 $\pm$ 0.230 χ^2 /NDF: 132970.8/17

Right Out: 1276.860 $\pm$ 0.337 χ^2 /NDF: 220513.6/18

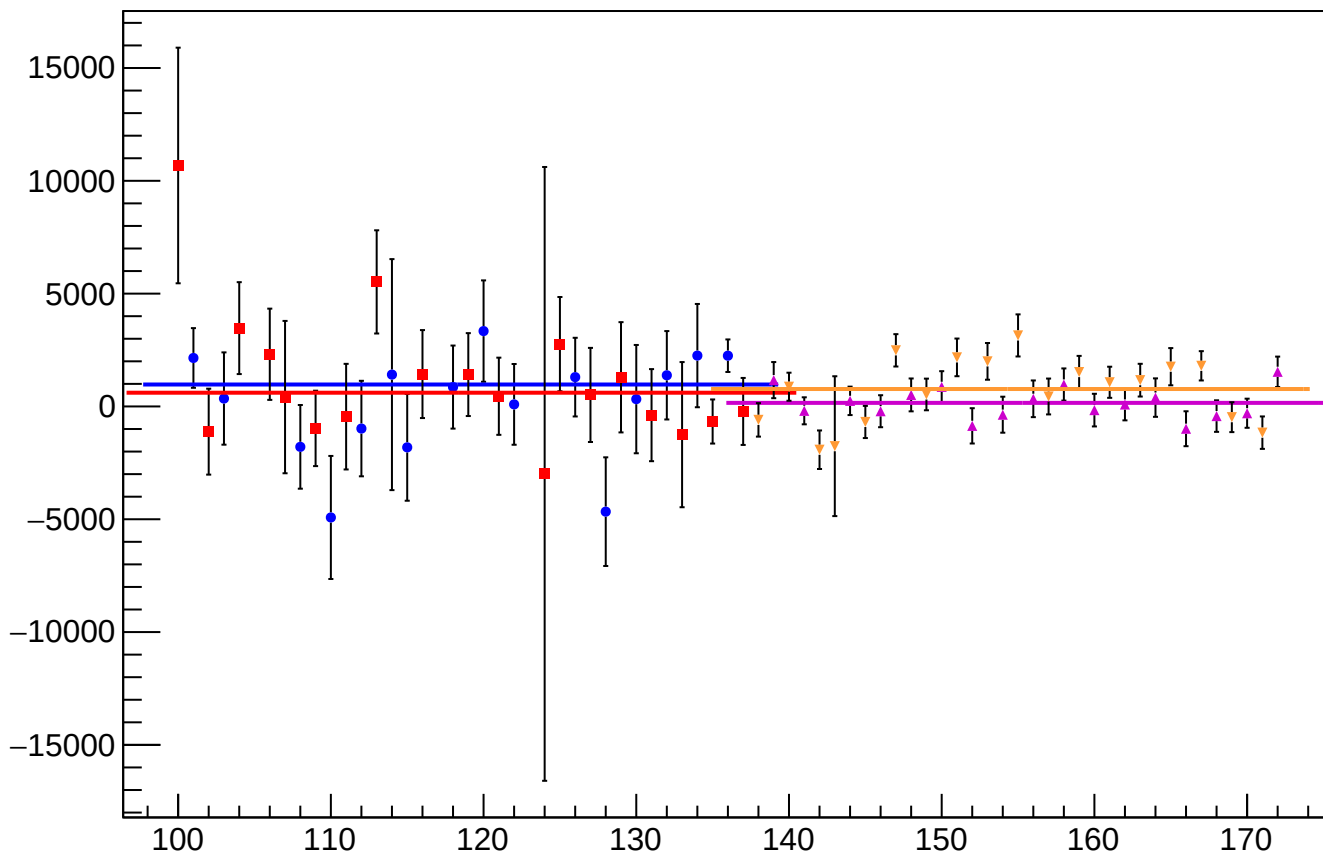
Left In: 1252.084 $\pm$ 0.236 χ^2 /NDF: 18592.6/16

+ sign 1243.958 $\pm$ 0.191 χ^2 /NDF: 657272.0/33

All: 1252.007 $\pm$ 0.136 χ^2 /NDF: 903583.6/69

- sign 1260.251 $\pm$ 0.194 χ^2 /NDF: 242726.6/35

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 972.287 $\pm$ 425.219 χ^2 /NDF: 20.4/15

Left Out: 772.412 $\pm$ 178.147 χ^2 /NDF: 52.1/17

Right Out: 608.431 $\pm$ 447.734 χ^2 /NDF: 17.1/18

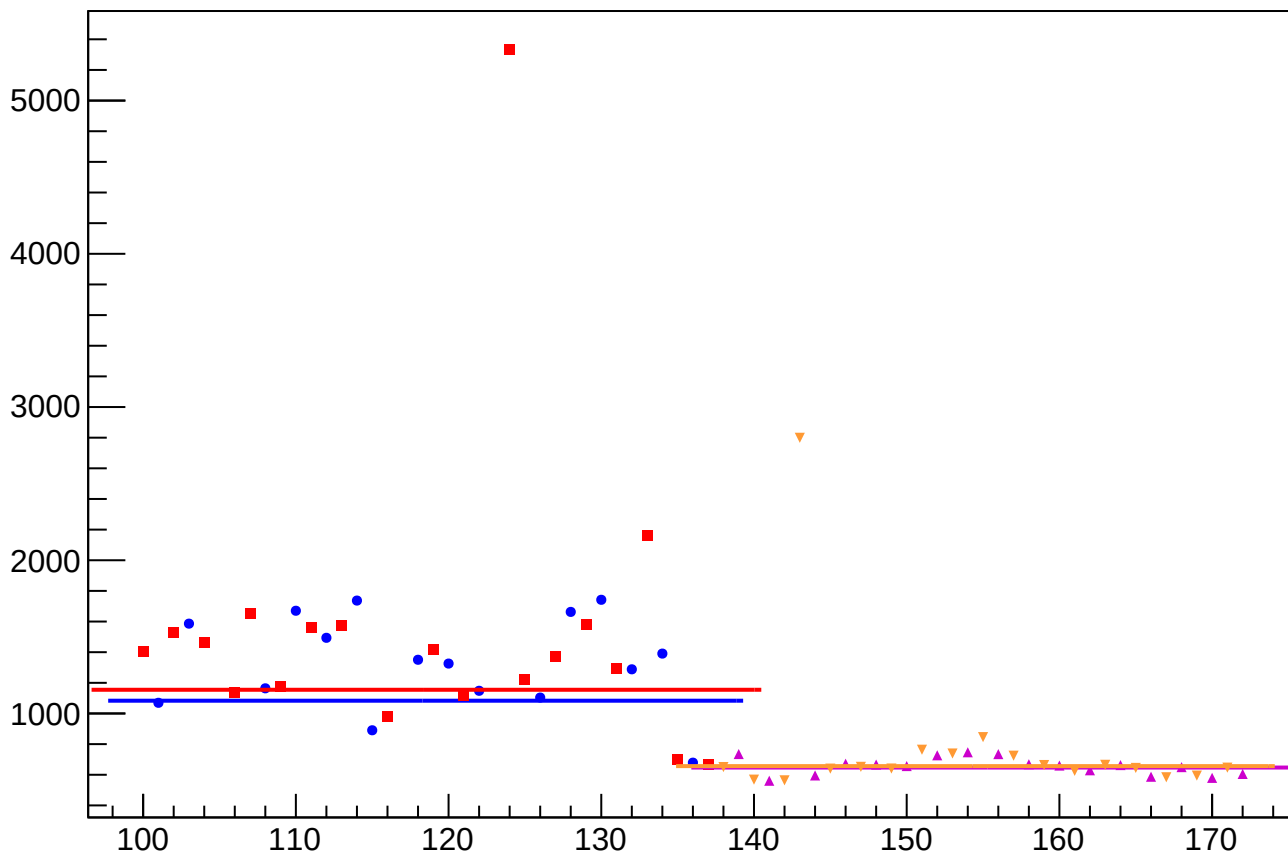
Left In: 158.268 $\pm$ 173.692 χ^2 /NDF: 14.9/16

+ sign 802.257 $\pm$ 164.309 χ^2 /NDF: 72.8/33

All: 505.444 $\pm$ 115.335 χ^2 /NDF: 112.1/69

- sign 217.153 $\pm$ 161.934 χ^2 /NDF: 32.9/35

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1083.335 $\pm$ 0.301 χ^2 /NDF: 1360153.3/15

Left Out: 656.452 $\pm$ 0.126 χ^2 /NDF: 1220528.3/17

Right Out: 1154.724 $\pm$ 0.317 χ^2 /NDF: 1488304.5/18

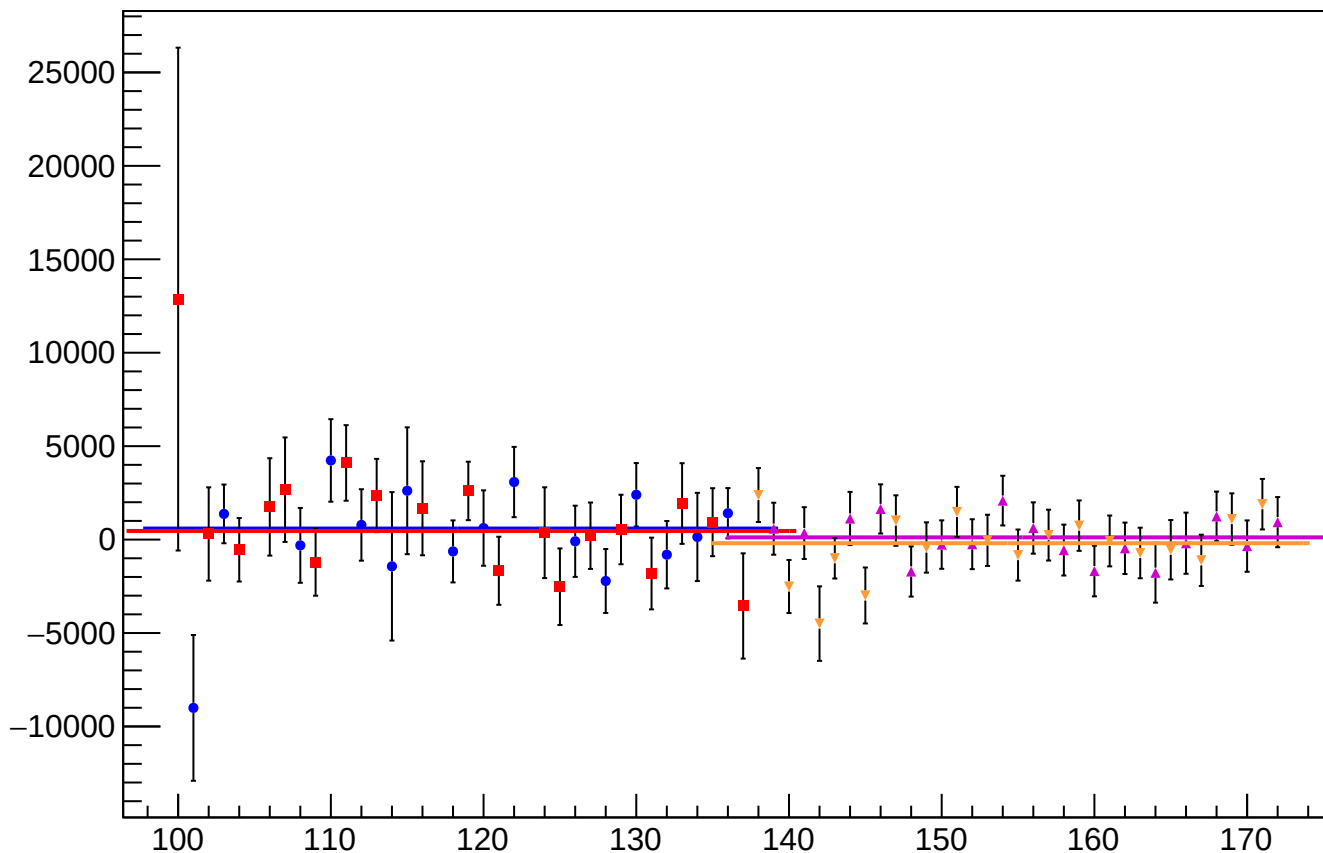
Left In: 647.125 $\pm$ 0.123 χ^2 /NDF: 204708.0/16

+ sign 720.192 $\pm$ 0.116 χ^2 /NDF: 4295392.8/33

All: 716.809 $\pm$ 0.082 χ^2 /NDF: 8224409.8/69

- sign 713.523 $\pm$ 0.115 χ^2 /NDF: 3927345.7/35

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 590.323+/-485.483 χ^2/NDF : 17.1/15

Left Out: -193.205+/-325.732 χ^2/NDF : 21.7/17

Right Out: 462.605+/-476.795 χ^2/NDF : 16.7/18

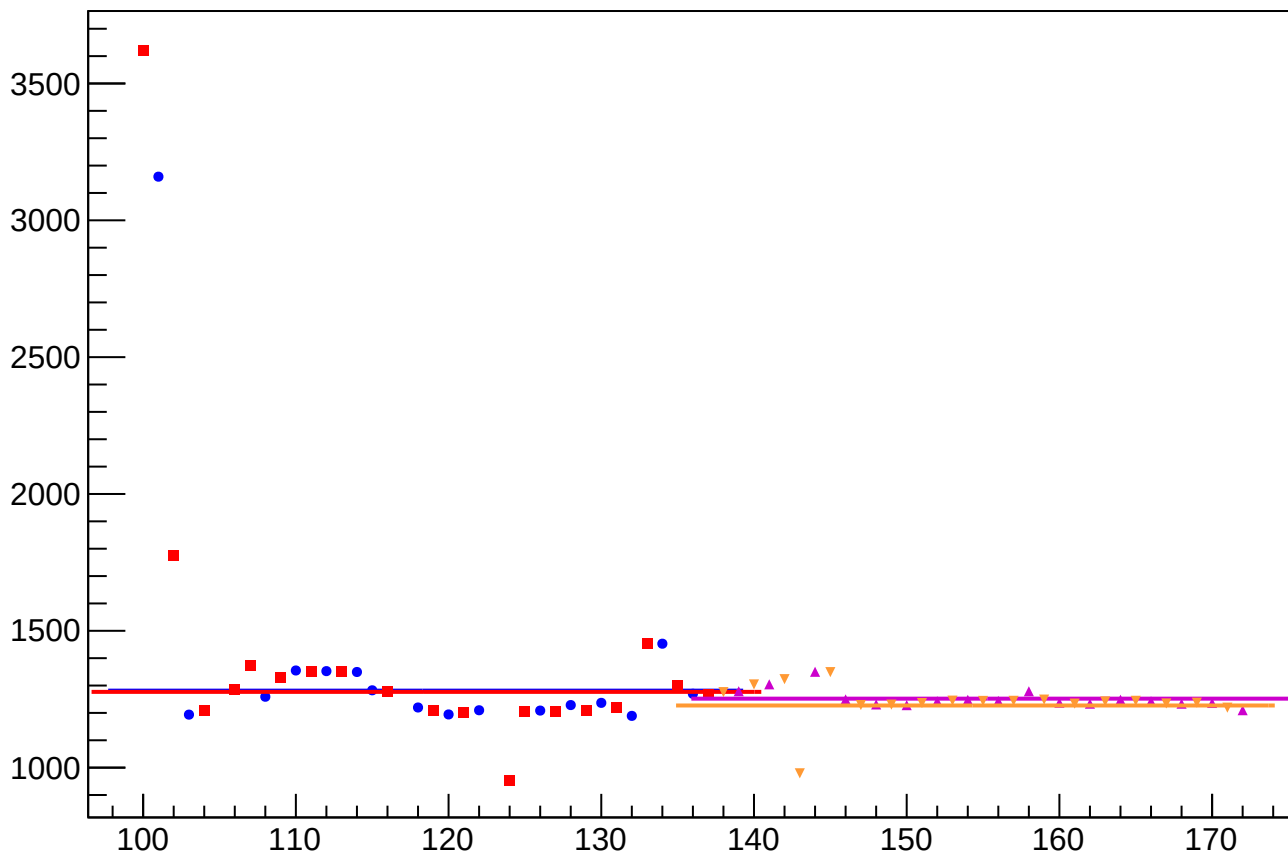
Left In: 119.010+/-334.326 χ^2/NDF : 11.2/16

+ sign 50.021+/-270.490 χ^2/NDF : 40.6/33

All: 140.055+/-192.403 χ^2/NDF : 69.0/69

- sign 232.263+/-273.737 χ^2/NDF : 28.2/35

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.369 $\pm$ 0.343 χ^2 /NDF: 507078.6/15

Left Out: 1227.116 $\pm$ 0.230 χ^2 /NDF:132970.1/17

Right Out: 1276.860 $\pm$ 0.337 χ^2 /NDF: 220513.5/18

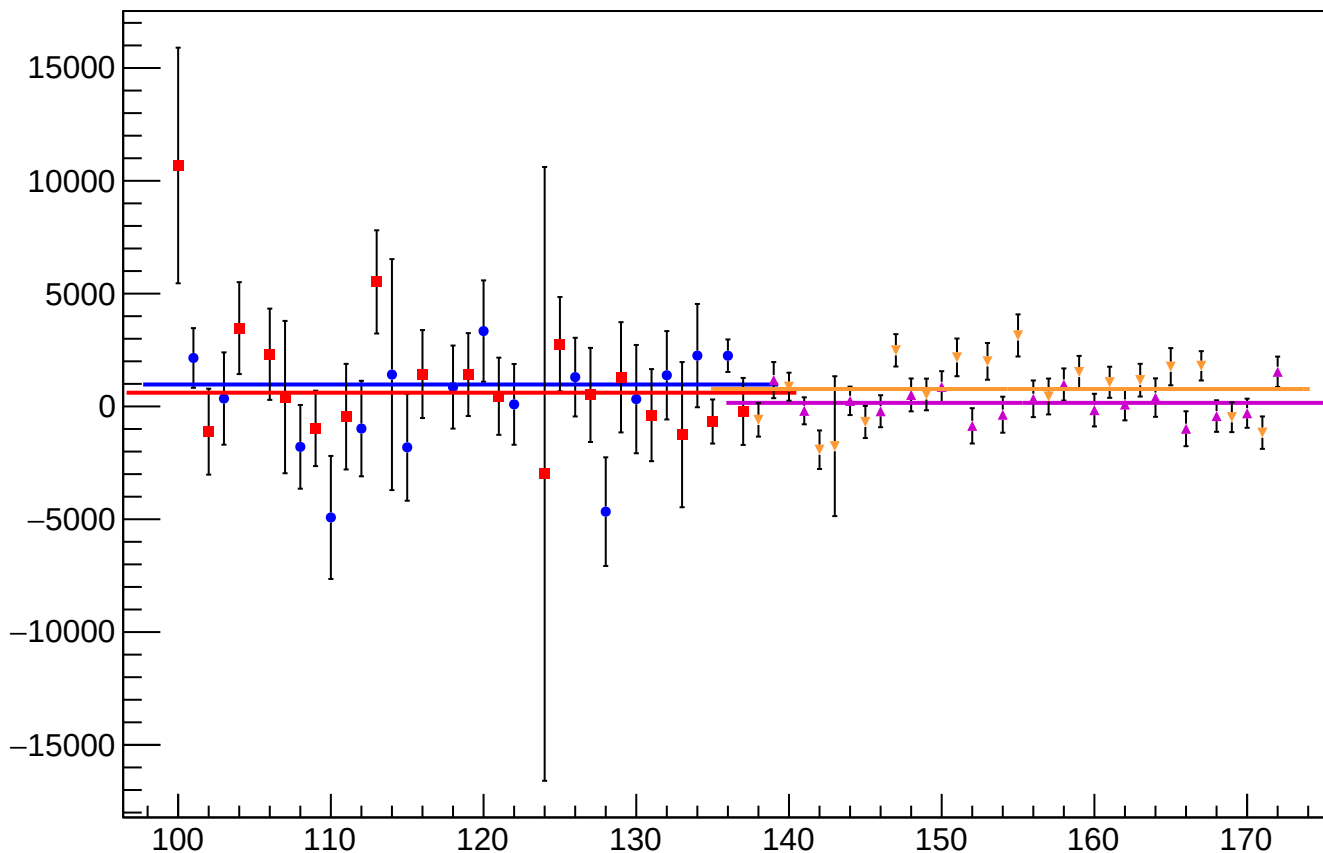
Left In: 1252.084 $\pm$ 0.236 χ^2 /NDF:18592.7/16

+ sign 1243.958 $\pm$ 0.191 χ^2 /NDF: 657271.4/33

All: 1252.007 $\pm$ 0.136 χ^2 /NDF: 903582.9/69

- sign 1260.251 $\pm$ 0.194 χ^2 /NDF: 242726.5/35

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



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

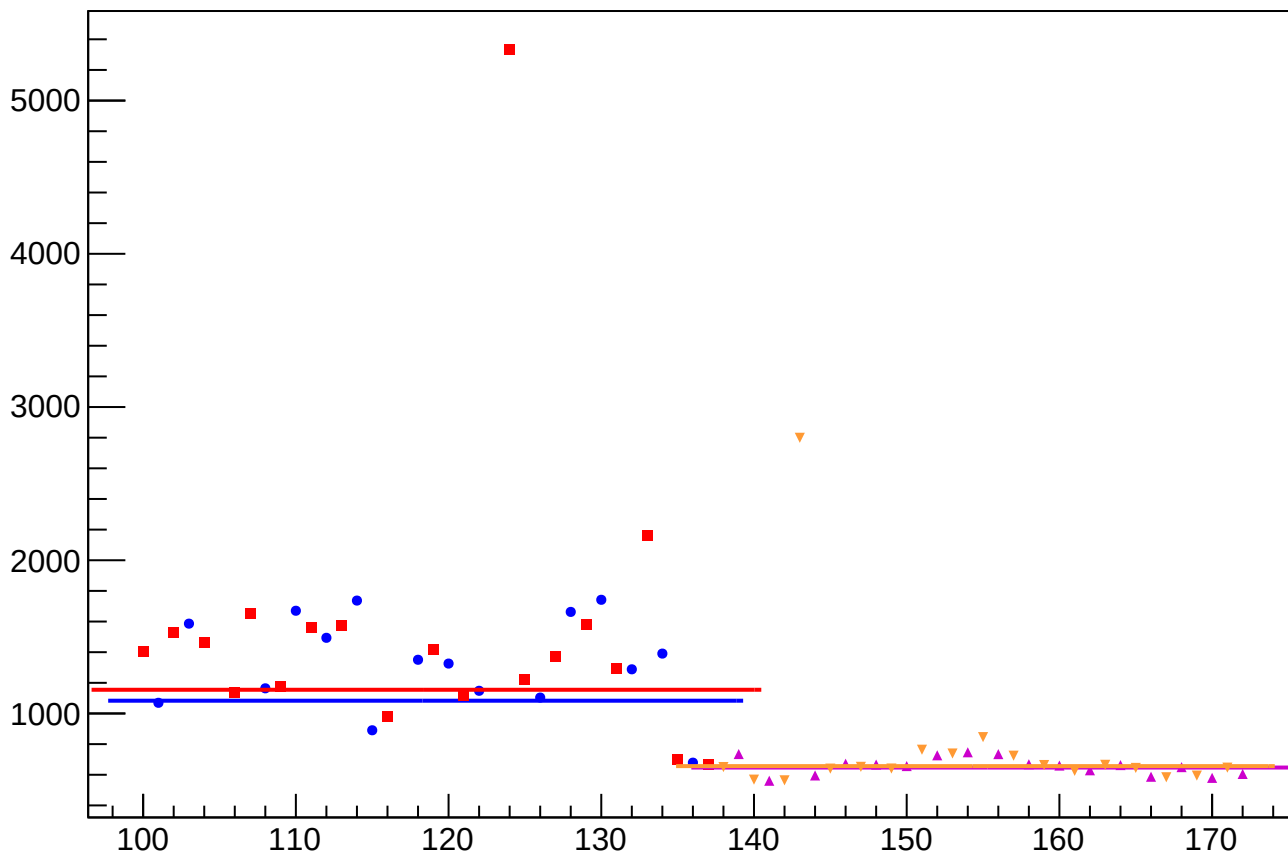
Left In: 158.267+/-173.692 χ^2/NDF : 14.9/16

+ sign 802.256+/-164.309 χ^2/NDF : 72.8/33

All: 505.444+/-115.335 χ^2/NDF : 112.1/69

- sign 217.153+/-161.934 χ^2/NDF : 32.9/35

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



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

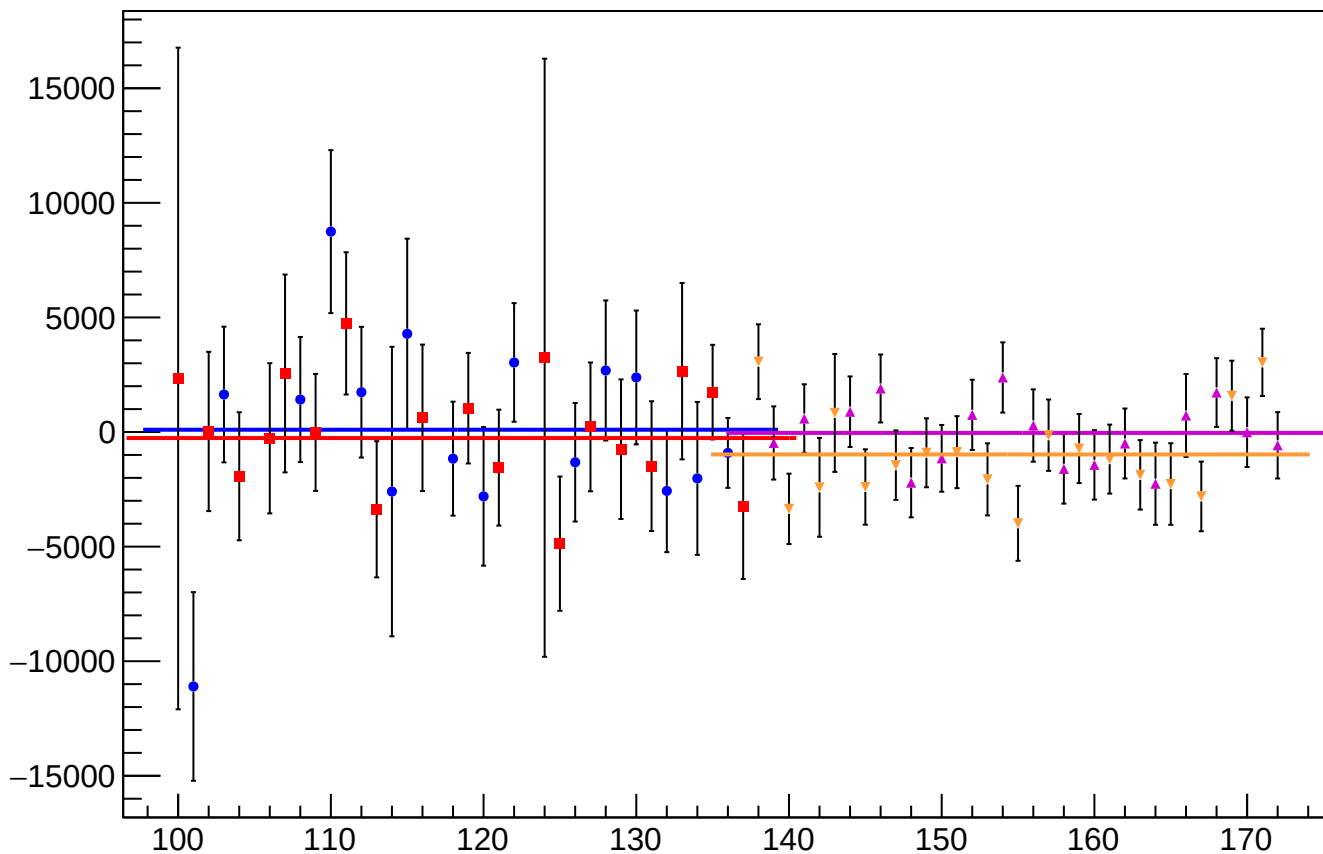
Left In: 647.124+/-0.123 χ^2 /NDF:204712.5/16

+ sign 720.192+/-0.116 χ^2 /NDF: 4295371.0/33

All: 716.809+/-0.082 χ^2 /NDF: 8224394.5/69

- sign 713.523+/-0.115 χ^2 /NDF: 3927351.8/35

asym_at1_dd_at2_dd_avg_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

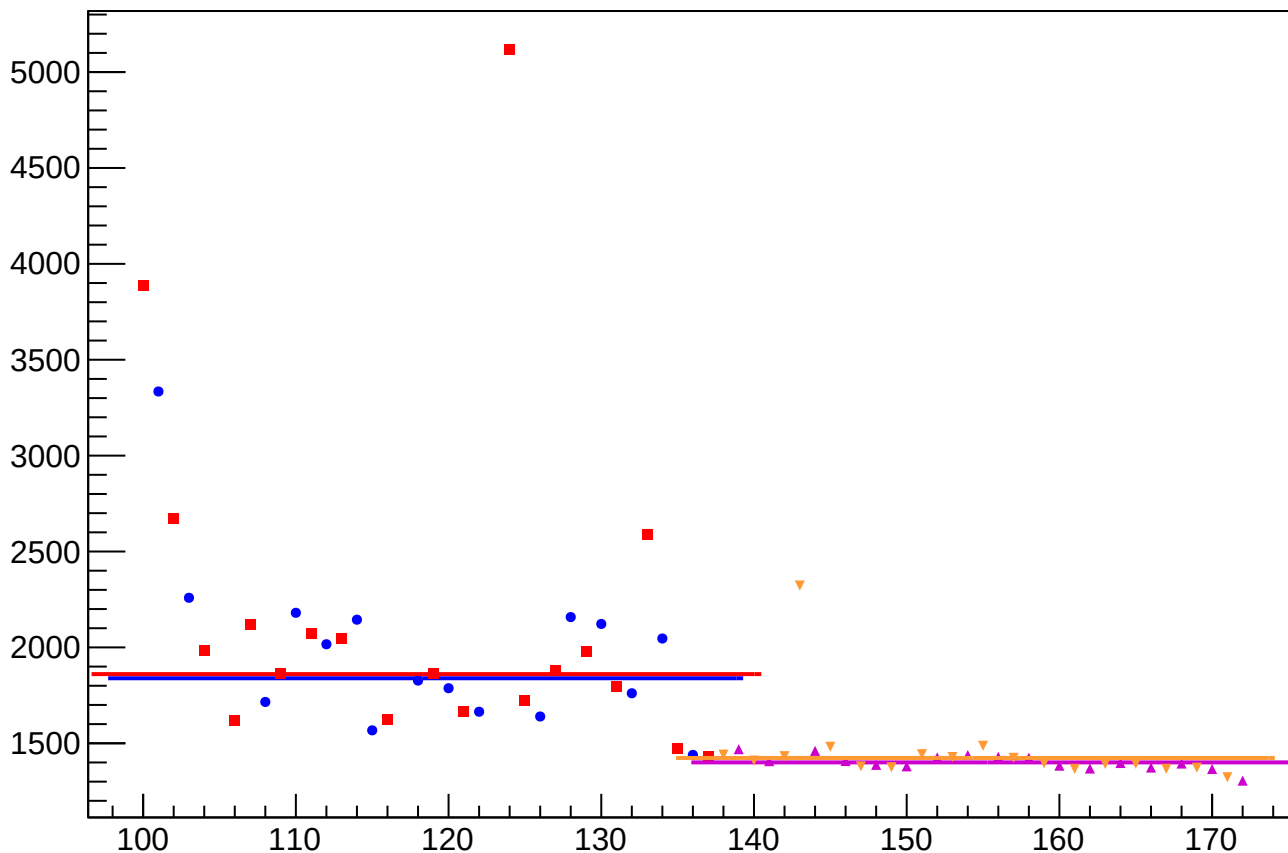
Left In: -38.667 ± 373.987 χ^2/NDF : 13.0/16

+ sign -733.115 ± 333.069 χ^2/NDF : 50.3/33

All: -407.635 ± 234.363 χ^2/NDF : 75.6/69

- sign -88.452 ± 329.832 χ^2/NDF : 23.4/35

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1839.113 $\pm$ 0.494 χ^2 /NDF: 556725.4/15

Left Out: 1423.537 $\pm$ 0.268 χ^2 /NDF: 273635.8/17

Right Out: 1860.754 $\pm$ 0.495 χ^2 /NDF: 522114.2/18

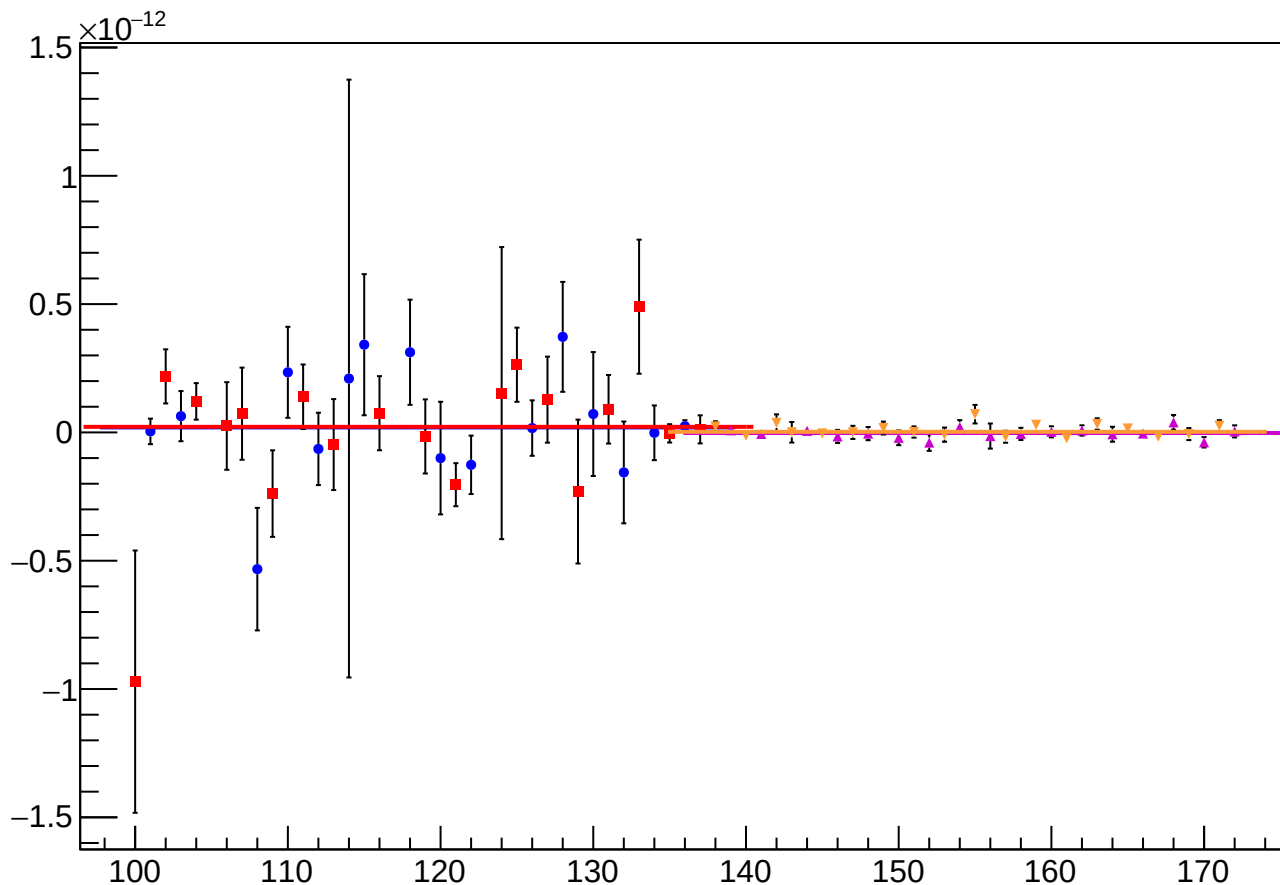
Left In: 1400.431 $\pm$ 0.264 χ^2 /NDF: 21658.6/16

+ sign 1517.897 $\pm$ 0.236 χ^2 /NDF: 1376805.3/33

All: 1510.231 $\pm$ 0.166 χ^2 /NDF: 2595934.5/69

- sign 1502.713 $\pm$ 0.233 χ^2 /NDF: 1217030.6/35

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

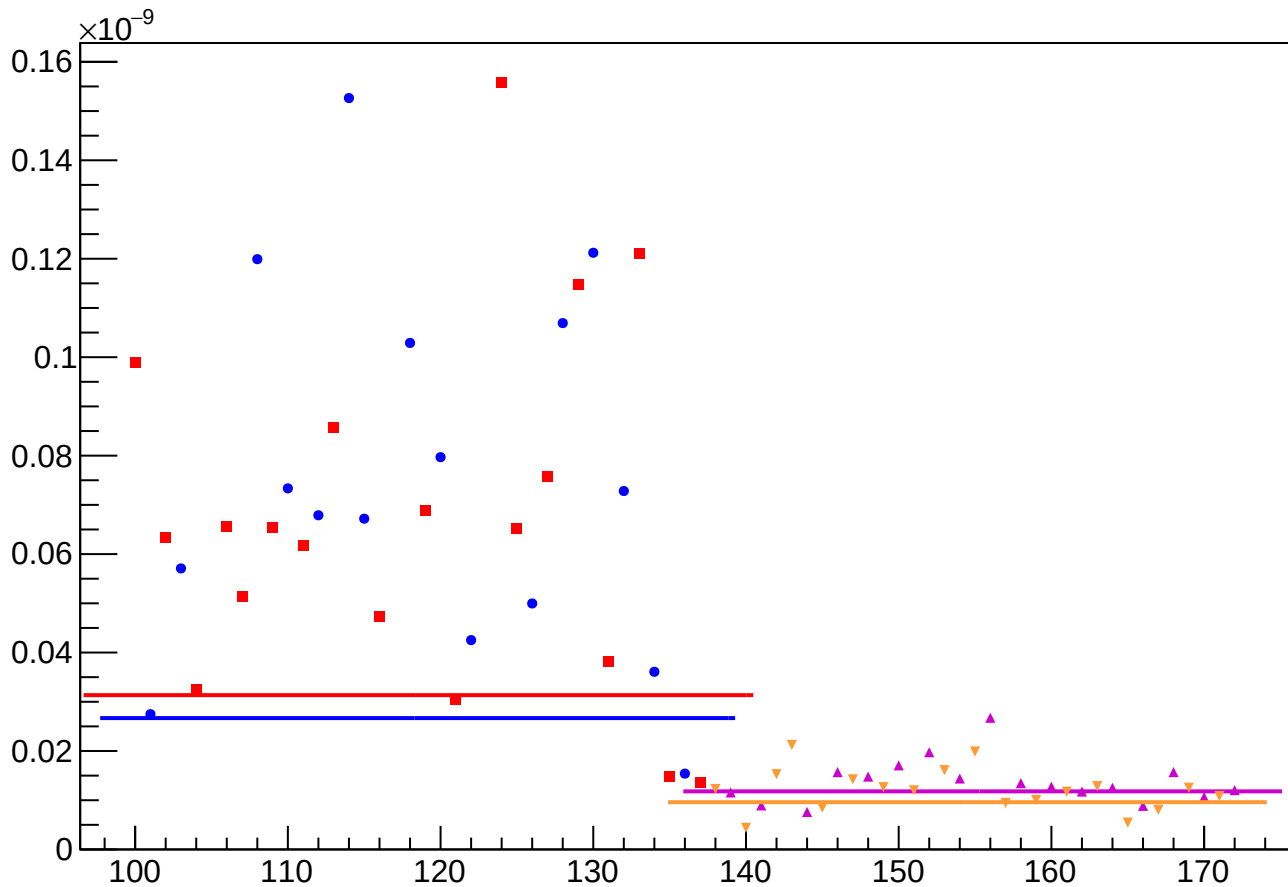
Left In: -0.000+/-0.000 χ^2/NDF : 9.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 35.7/33

All: 0.000+/-0.000 χ^2/NDF : 74.7/69

- sign -0.000+/-0.000 χ^2/NDF : 38.6/35

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2580672.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1397609.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2275167.3/18

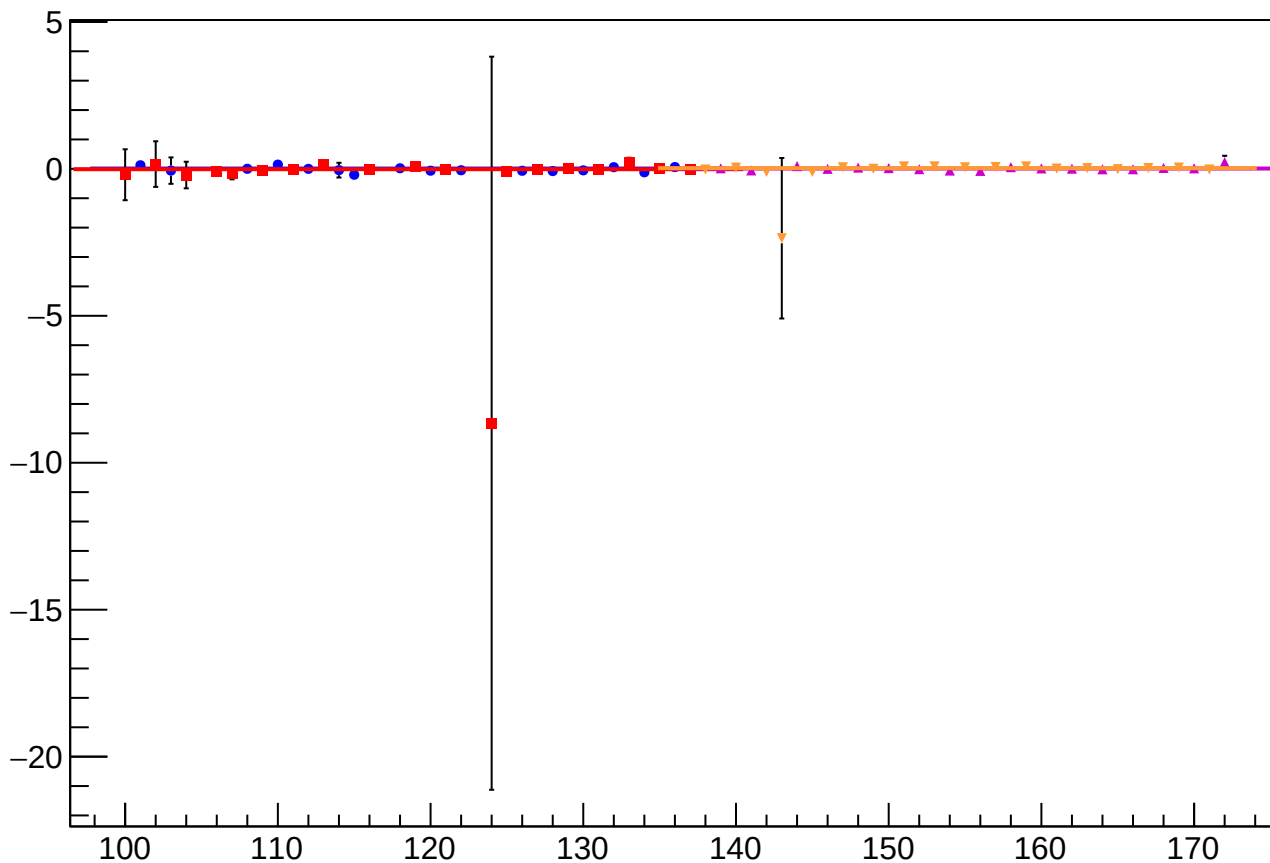
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 831975.7/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5532589.4/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10310524.1/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4560703.1/35

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



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

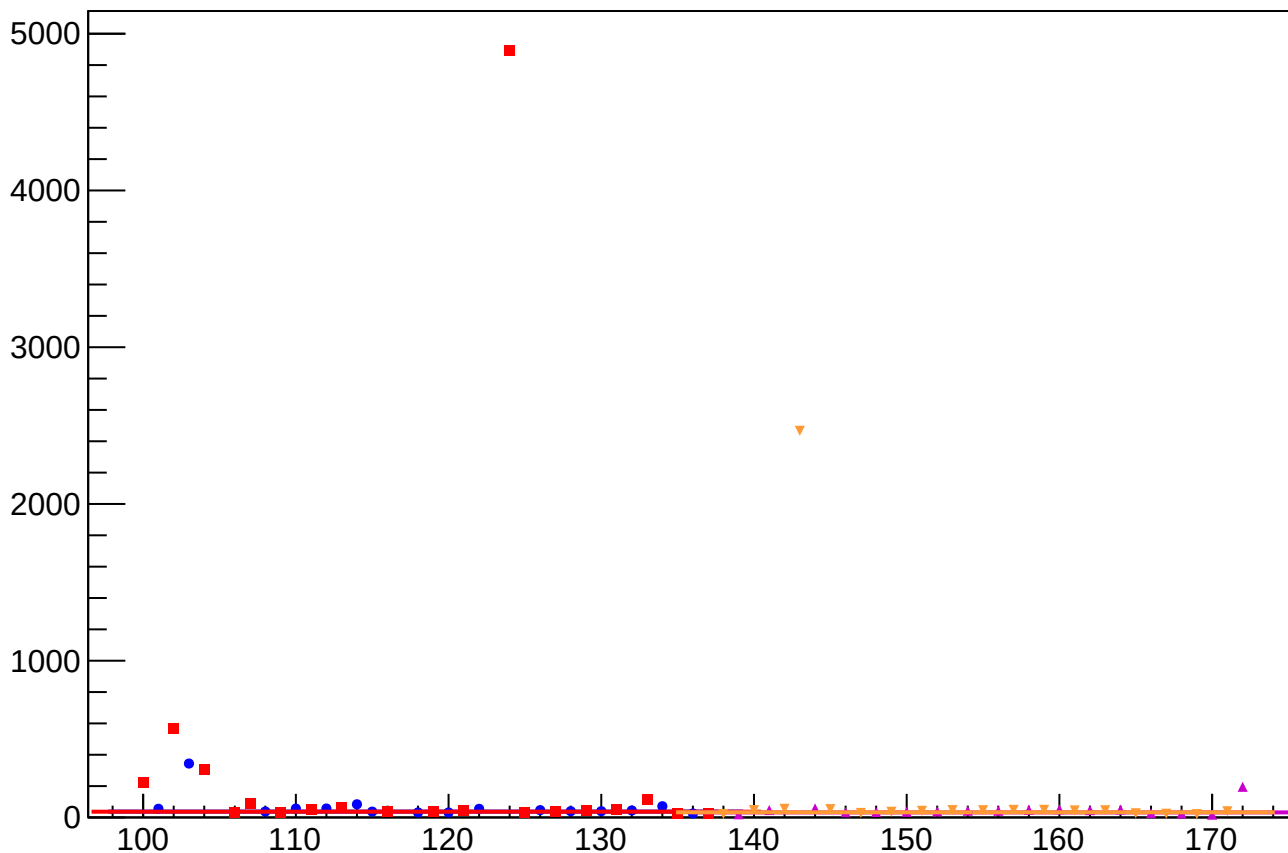
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 32.975 $\pm$ 0.007 χ^2 /NDF: 3975971.6/17

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

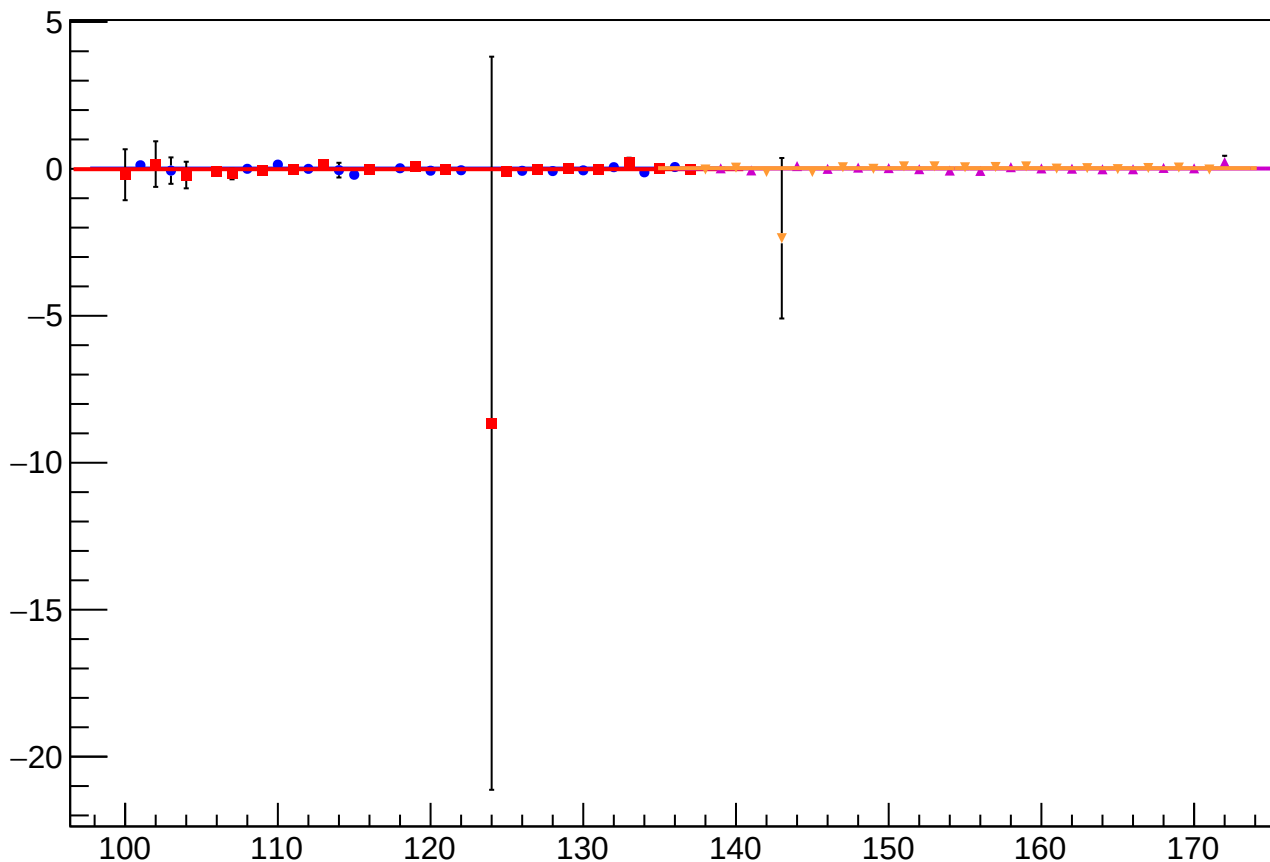
Left In: 32.231 $\pm$ 0.007 χ^2 /NDF: 3841713.7/16

+ sign 34.281 $\pm$ 0.006 χ^2 /NDF: 6071595.1/33

All: 33.852 $\pm$ 0.004 χ^2 /NDF: 13223265.9/69

- sign 33.433 $\pm$ 0.006 χ^2 /NDF: 7141939.9/35

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

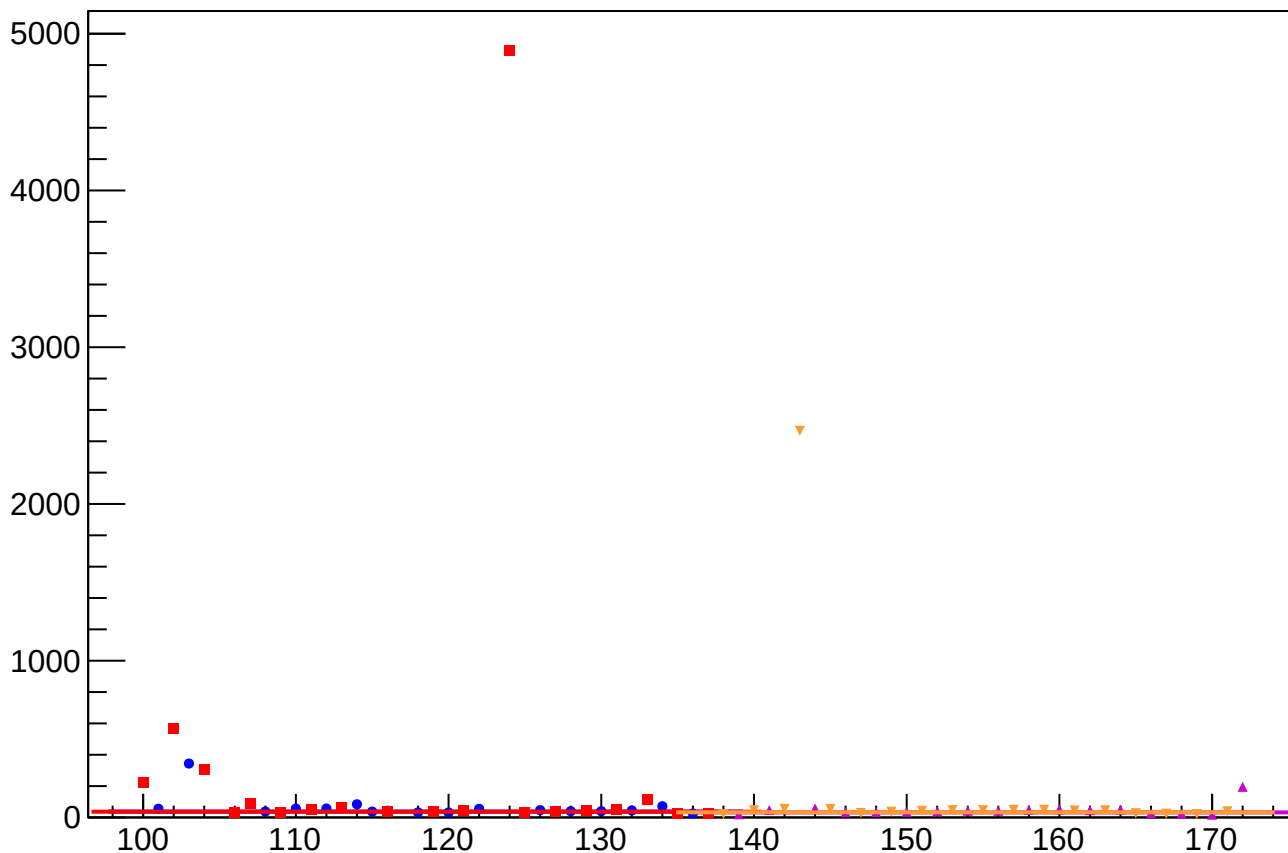
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.494 $\pm$ 0.011 χ^2 /NDF: 1983275.6/15

Left Out: 32.975 $\pm$ 0.007 χ^2 /NDF: 3975971.6/17

Right Out: 36.767 $\pm$ 0.012 χ^2 /NDF: 3190700.2/18

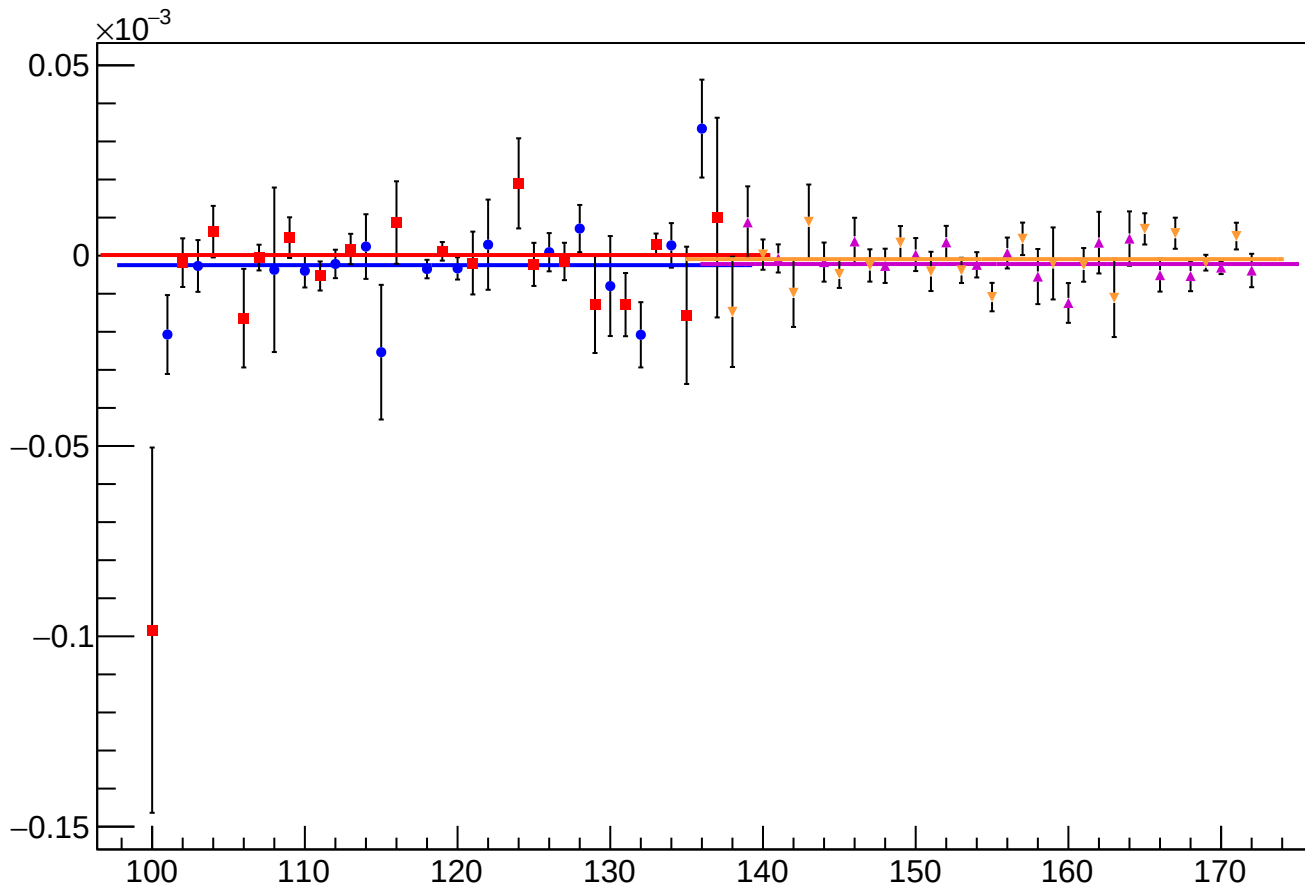
Left In: 32.231 $\pm$ 0.007 χ^2 /NDF: 3841713.7/16

+ sign 34.281 $\pm$ 0.006 χ^2 /NDF: 6071595.1/33

All: 33.852 $\pm$ 0.004 χ^2 /NDF: 13223265.9/69

- sign 33.433 $\pm$ 0.006 χ^2 /NDF: 7141939.9/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2/NDF : 21.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 25.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 18.9/18

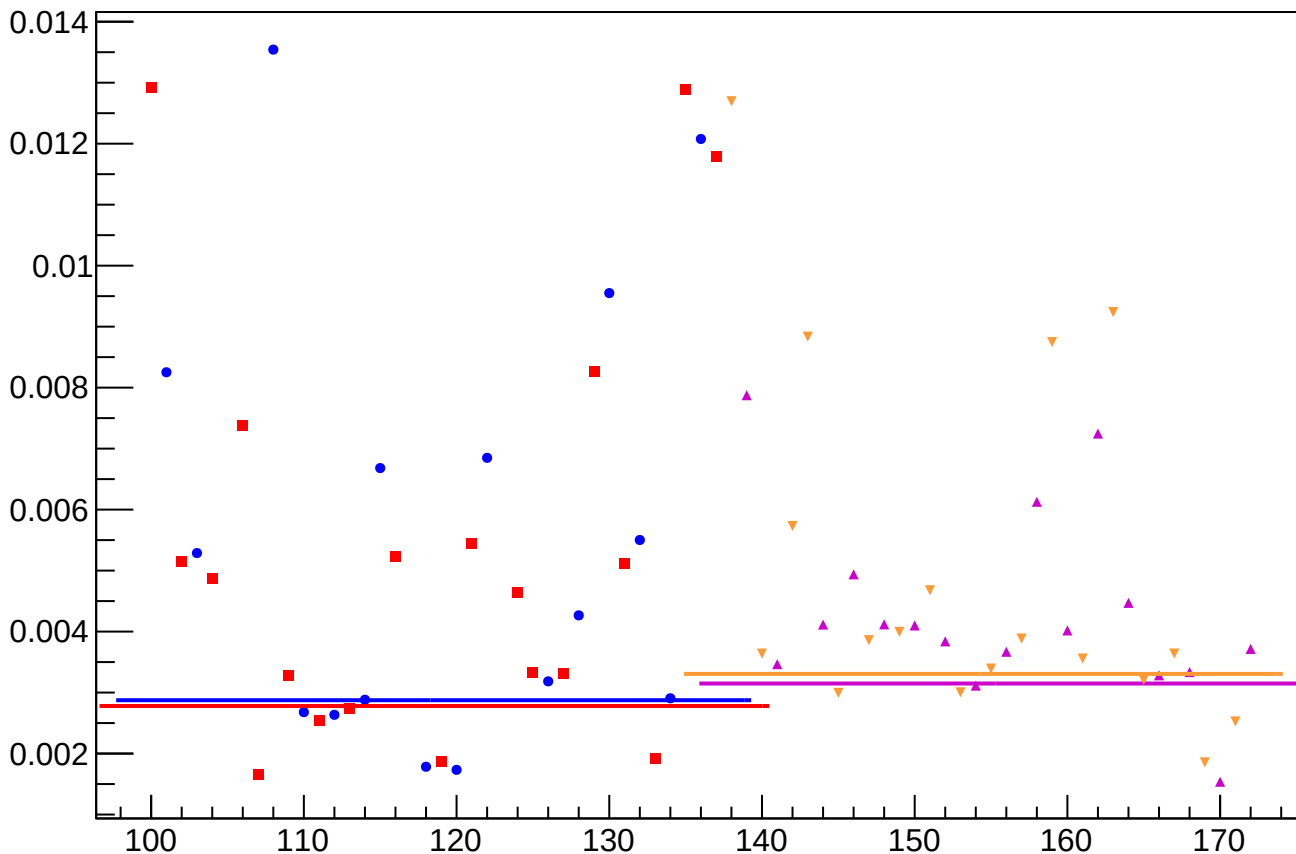
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 11.9/16

+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 48.7/33

All: -0.000 $\pm$ 0.000 χ^2/NDF : 81.9/69

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 33.2/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 4358818.5/17

Right Out: 0.003+/-0.000 χ^2/NDF : 3311178.7/18

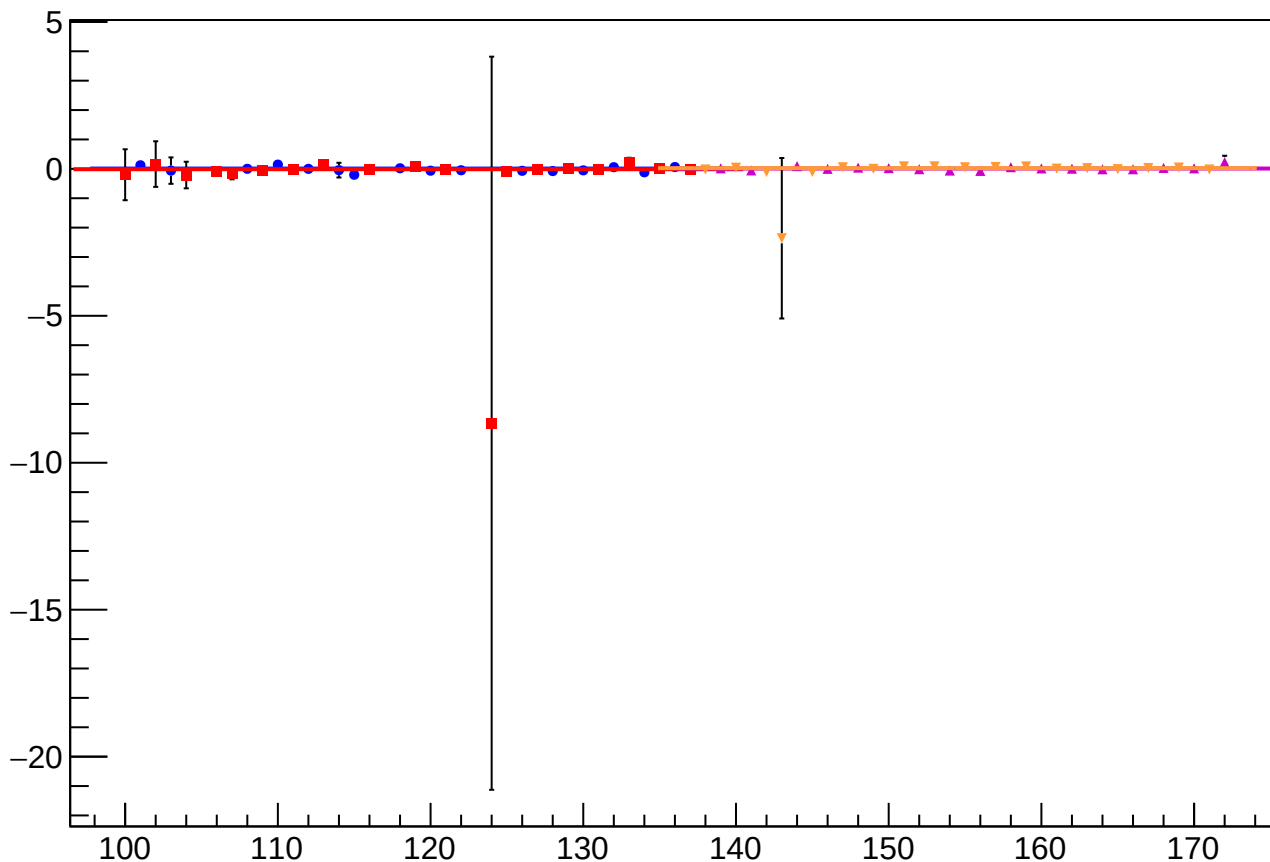
Left In: 0.003+/-0.000 χ^2/NDF : 3809638.2/16

+ sign 0.003+/-0.000 χ^2/NDF : 8650426.5/33

All: 0.003+/-0.000 χ^2/NDF : 15927523.5/69

- sign 0.003+/-0.000 χ^2/NDF : 7237983.0/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

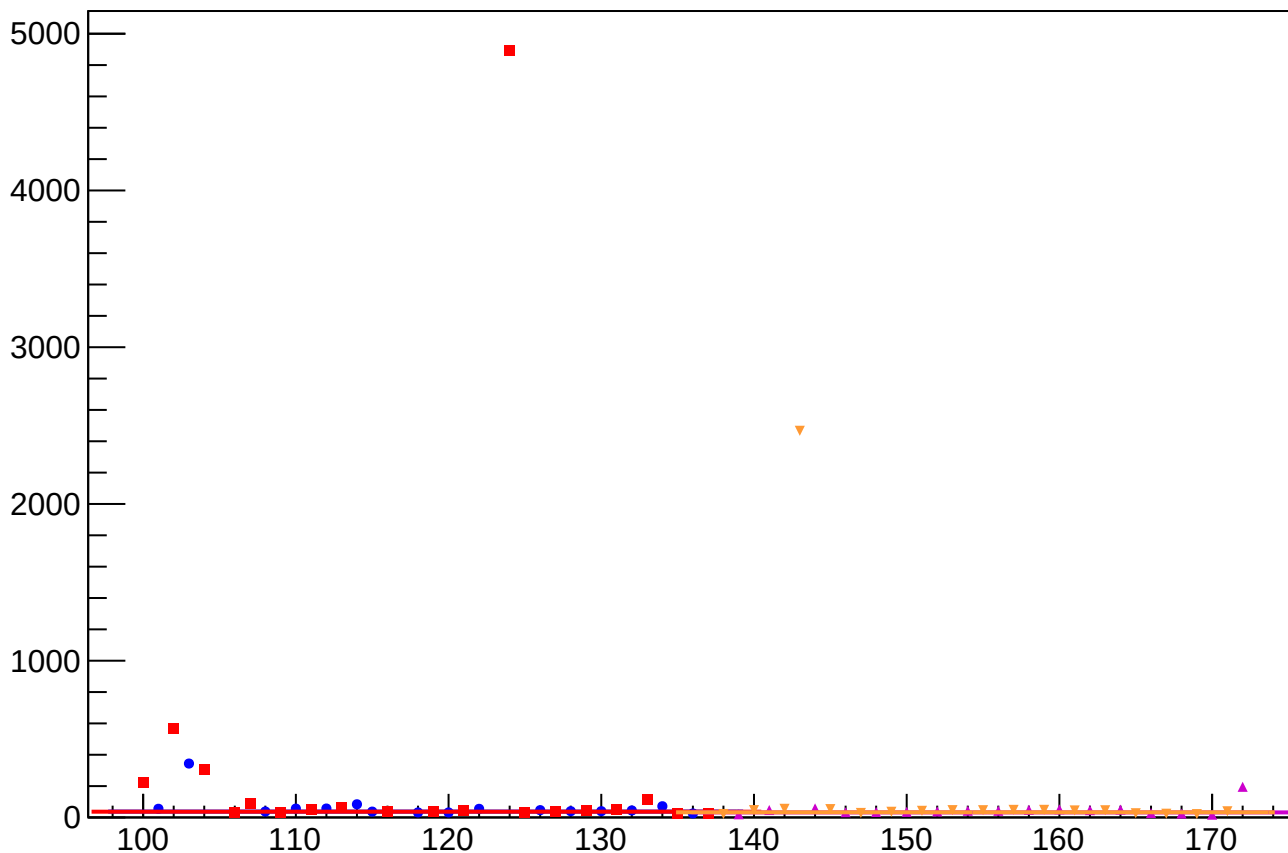
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 32.974 $\pm$ 0.007 χ^2 /NDF: 3976031.3/17

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

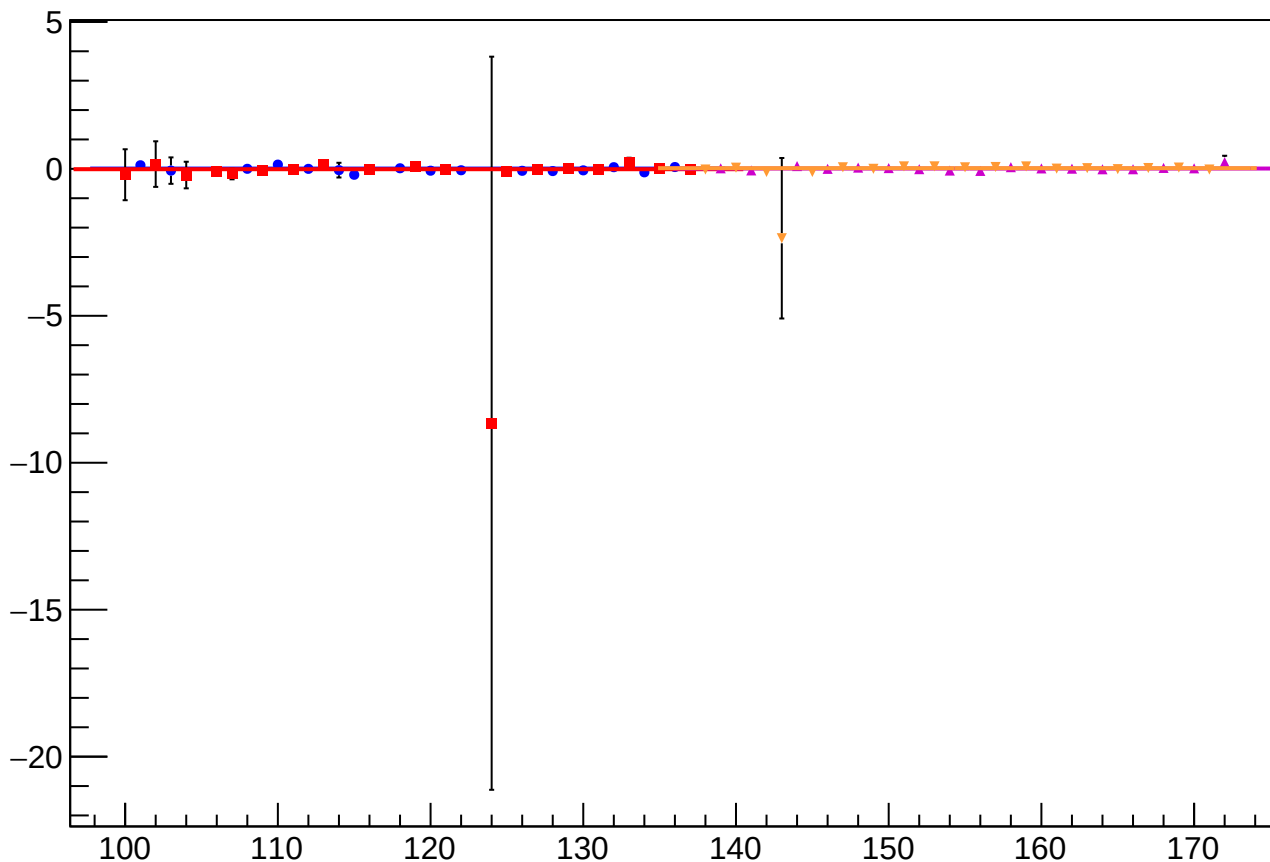
Left In: 32.234 $\pm$ 0.007 χ^2 /NDF: 3840563.7/16

+ sign 34.280 $\pm$ 0.006 χ^2 /NDF: 6071657.9/33

All: 33.853 $\pm$ 0.004 χ^2 /NDF: 13221787.0/69

- sign 33.435 $\pm$ 0.006 χ^2 /NDF: 7140458.8/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

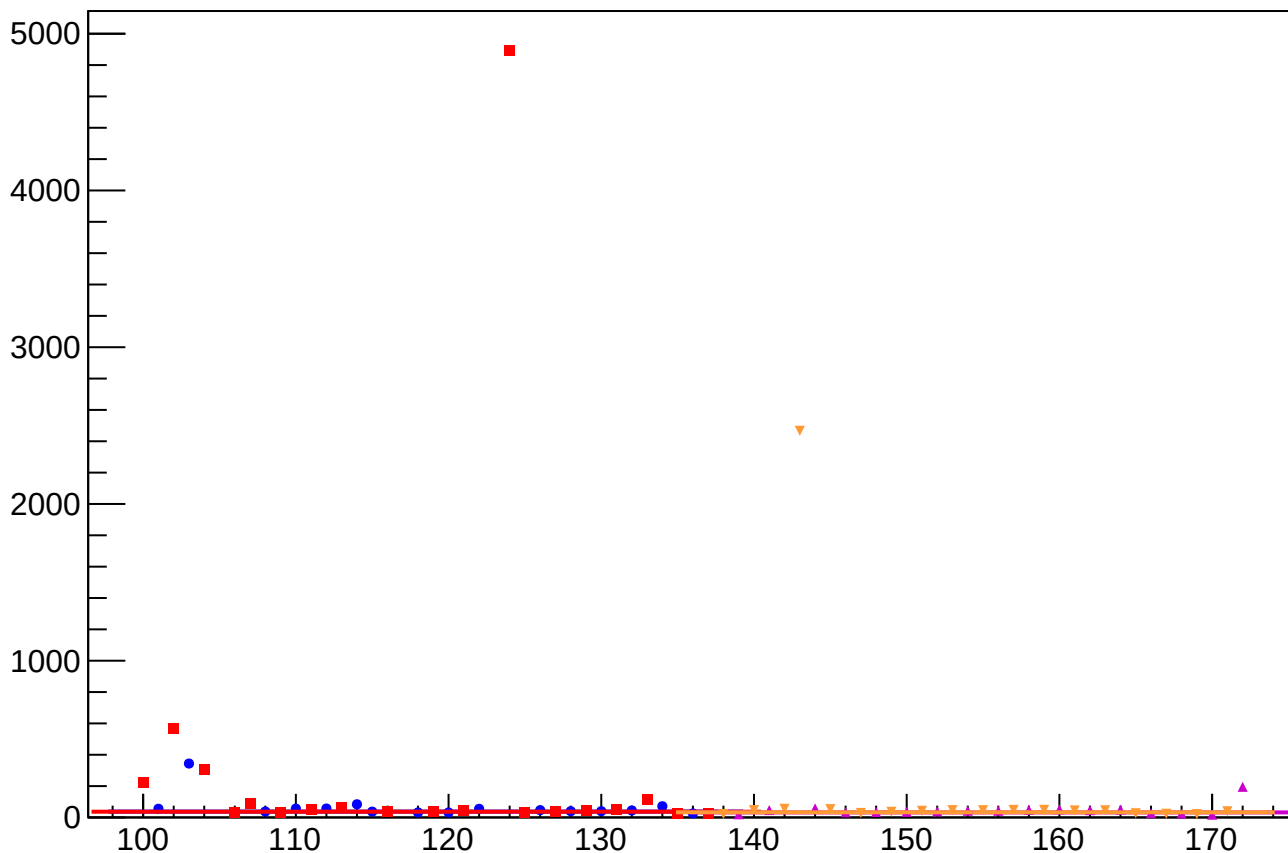
Left In: 0.010 ± 0.010 χ^2/NDF : 11.8/16

+ sign 0.019 ± 0.009 χ^2/NDF : 37.9/33

All: 0.011 ± 0.006 χ^2/NDF : 65.1/69

- sign 0.004 ± 0.009 χ^2/NDF : 25.8/35

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.495 $\pm$ 0.011 χ^2 /NDF: 1983206.3/15

Left Out: 32.974 $\pm$ 0.007 χ^2 /NDF: 3976031.3/17

Right Out: 36.769 $\pm$ 0.012 χ^2 /NDF: 3190400.7/18

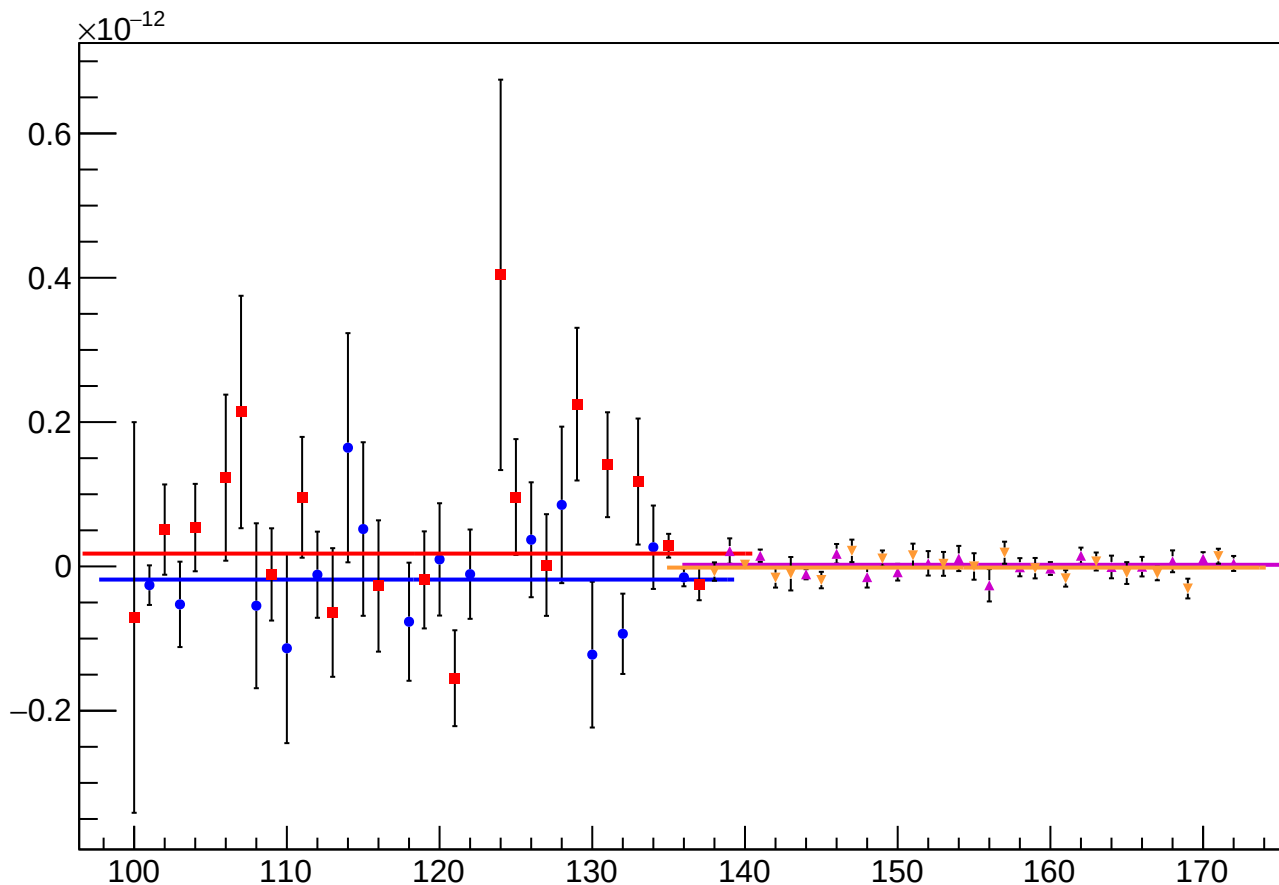
Left In: 32.234 $\pm$ 0.007 χ^2 /NDF: 3840563.7/16

+ sign 34.280 $\pm$ 0.006 χ^2 /NDF: 6071657.9/33

All: 33.853 $\pm$ 0.004 χ^2 /NDF: 13221787.0/69

- sign 33.435 $\pm$ 0.006 χ^2 /NDF: 7140458.8/35

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:20.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/18

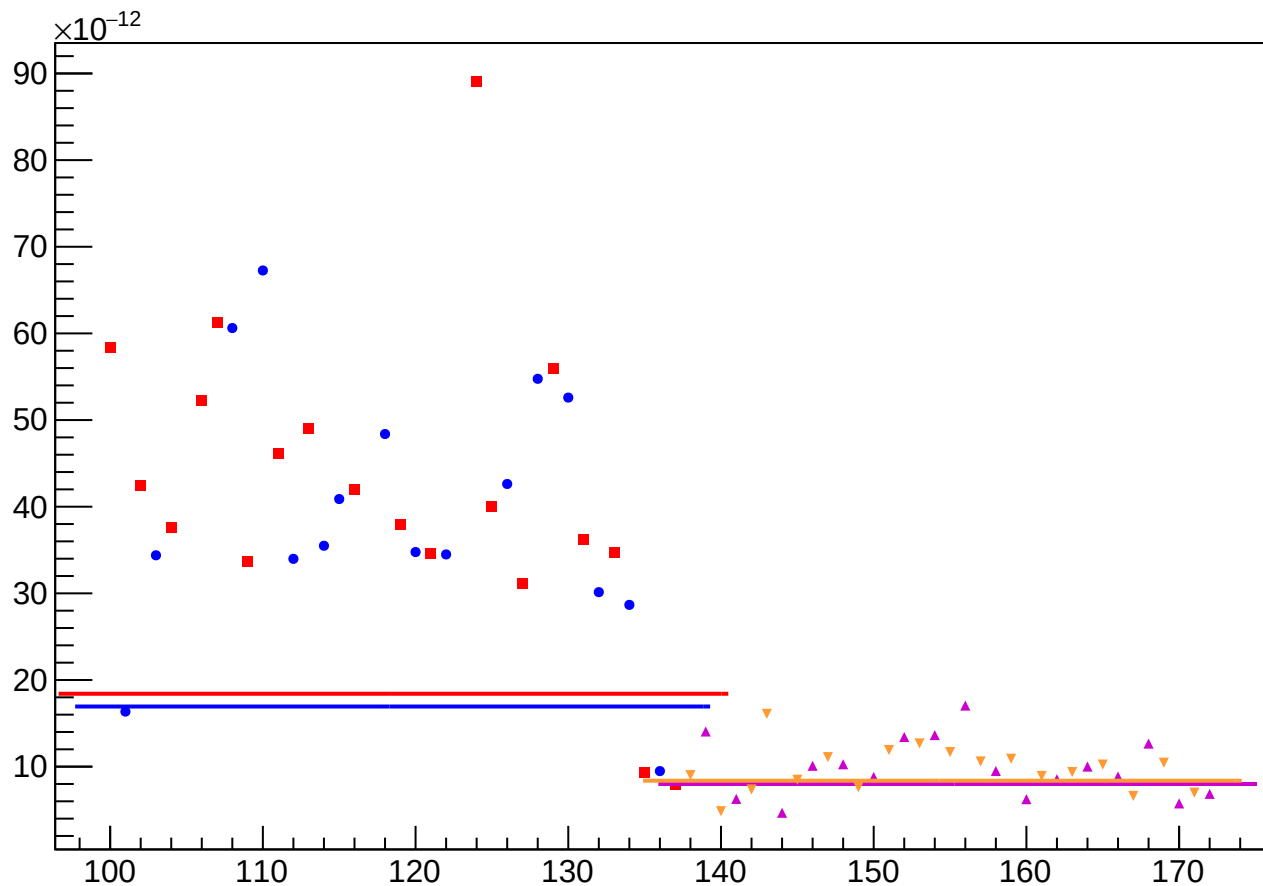
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.8/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 44.0/35

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

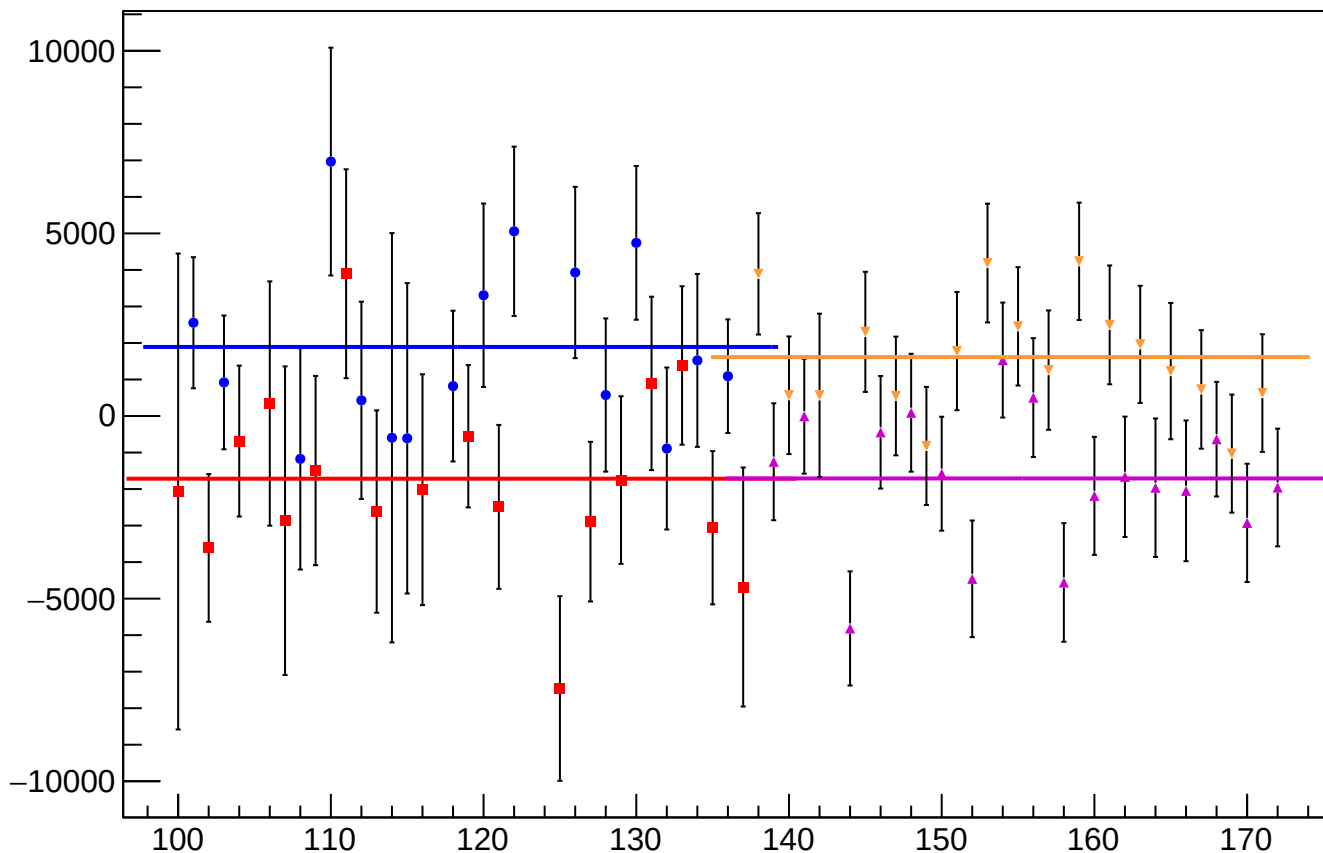
Left In: 0.000+/-0.000 χ^2/NDF : 2099597.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 6033128.3/33

All: 0.000+/-0.000 χ^2/NDF : 13497321.6/69

- sign 0.000+/-0.000 χ^2/NDF : 7441342.4/35

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.457 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1614.653 $\pm$ 402.132 χ^2 /NDF: 14.6/16

Right Out: -1715.909 $\pm$ 589.518 χ^2 /NDF: 16.0/17

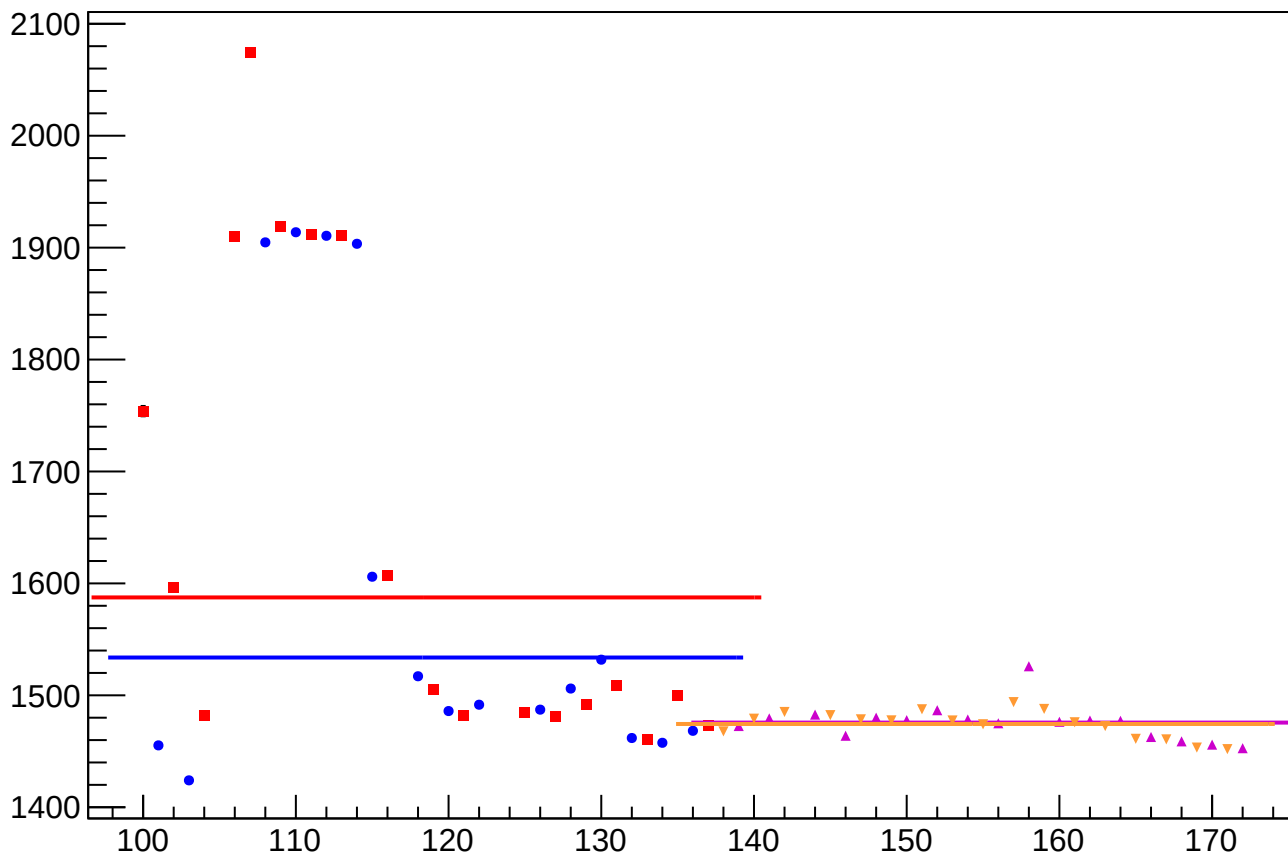
Left In: -1709.643 $\pm$ 393.907 χ^2 /NDF: 23.4/16

+ sign 1706.158 $\pm$ 329.017 χ^2 /NDF: 27.0/32

All: -10.499 $\pm$ 232.119 χ^2 /NDF: 120.6/67

- sign -1711.577 $\pm$ 327.521 χ^2 /NDF: 39.4/34

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

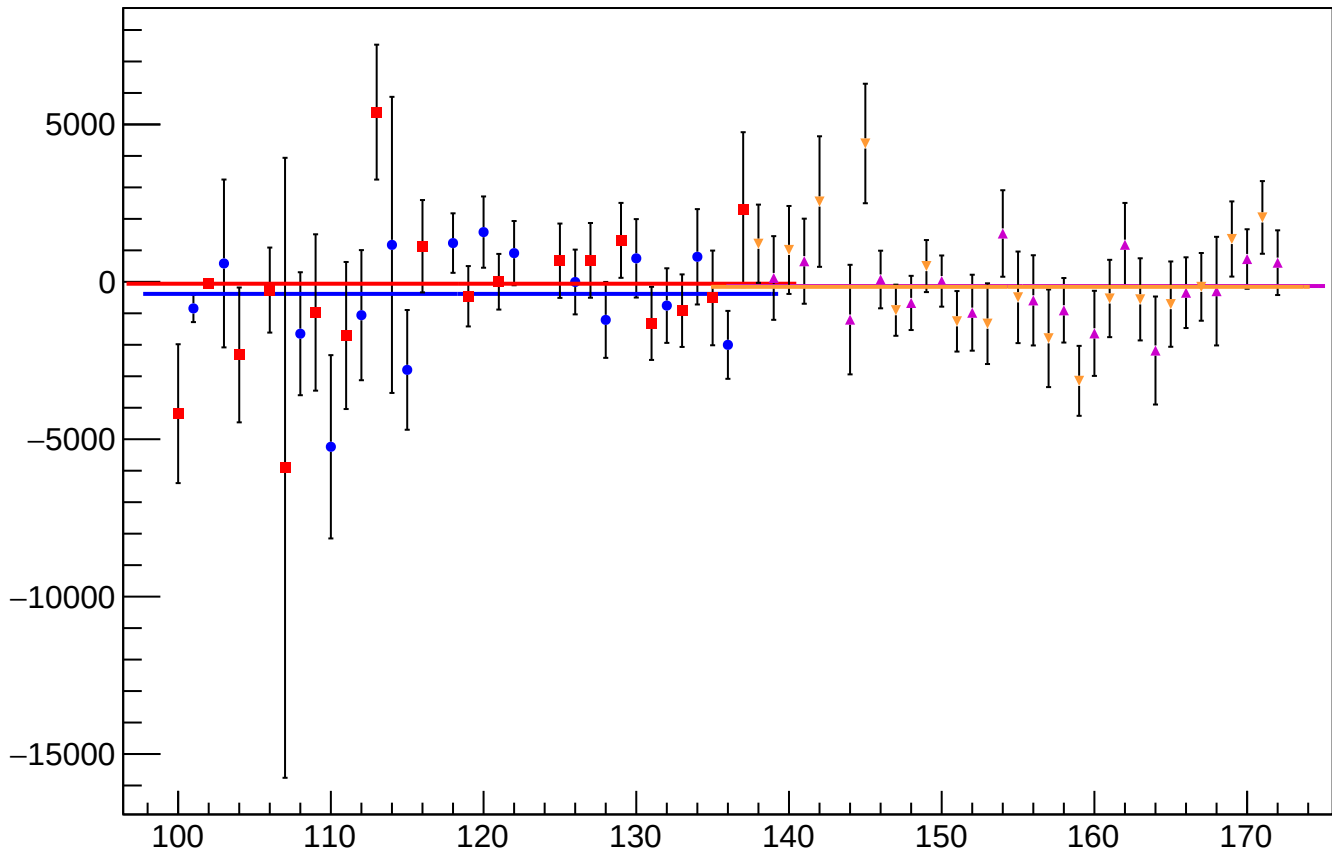
Left In: 1475.634+/-0.279 χ^2/NDF : 3238.8/16

+ sign 1494.022+/-0.233 χ^2/NDF : 145393.0/32

All: 1502.123+/-0.164 χ^2/NDF : 372787.9/67

- sign 1510.151+/-0.232 χ^2/NDF : 224980.8/34

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -382.787 $\pm$ 272.209 χ^2 /NDF: 18.2/15

Left Out: -158.395 $\pm$ 286.909 χ^2 /NDF: 27.0/16

Right Out: -59.970 $\pm$ 127.700 χ^2 /NDF: 17.8/17

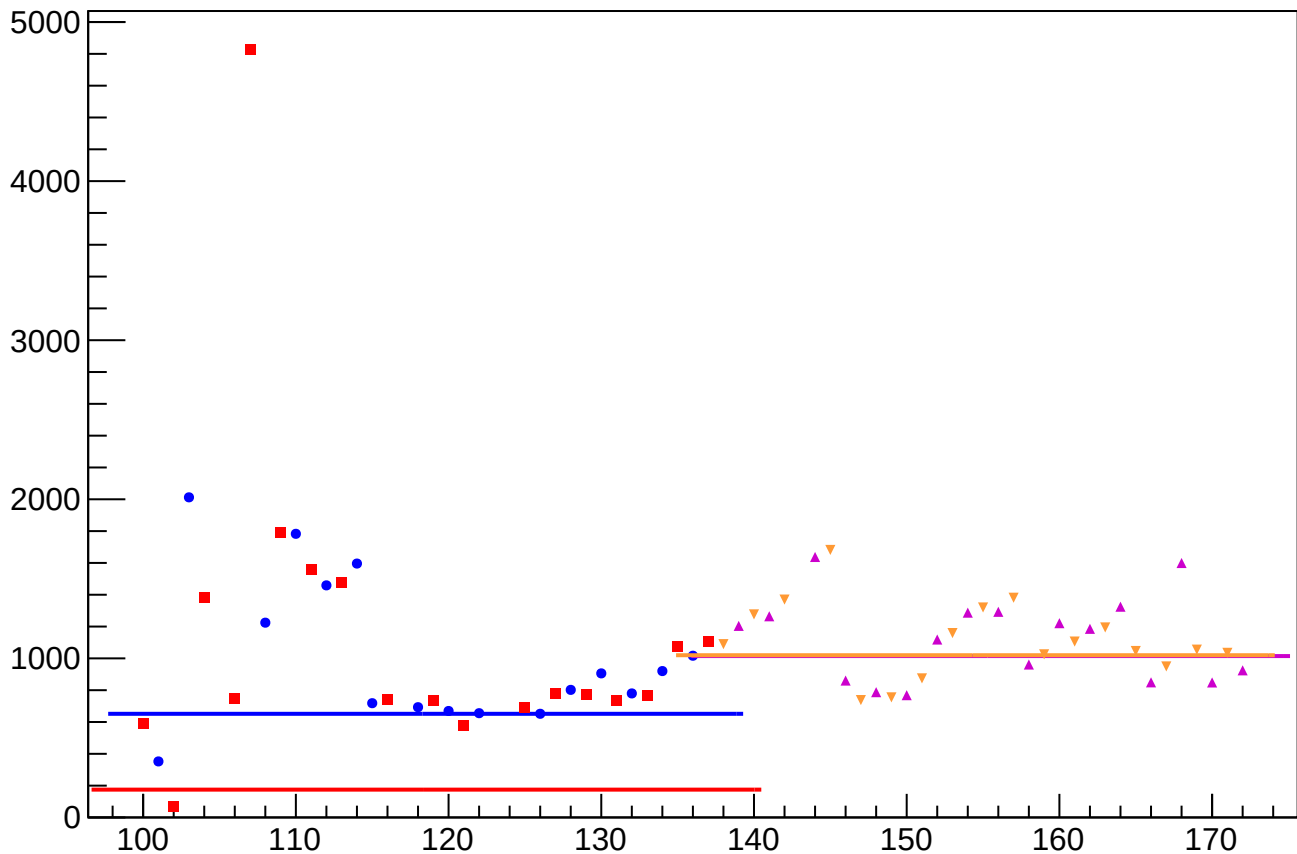
Left In: -133.234 $\pm$ 279.447 χ^2 /NDF: 8.9/16

+ sign -276.487 $\pm$ 197.473 χ^2 /NDF: 45.5/32

All: -125.024 $\pm$ 100.114 χ^2 /NDF: 73.0/67

- sign -72.627 $\pm$ 116.148 χ^2 /NDF: 26.7/34

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

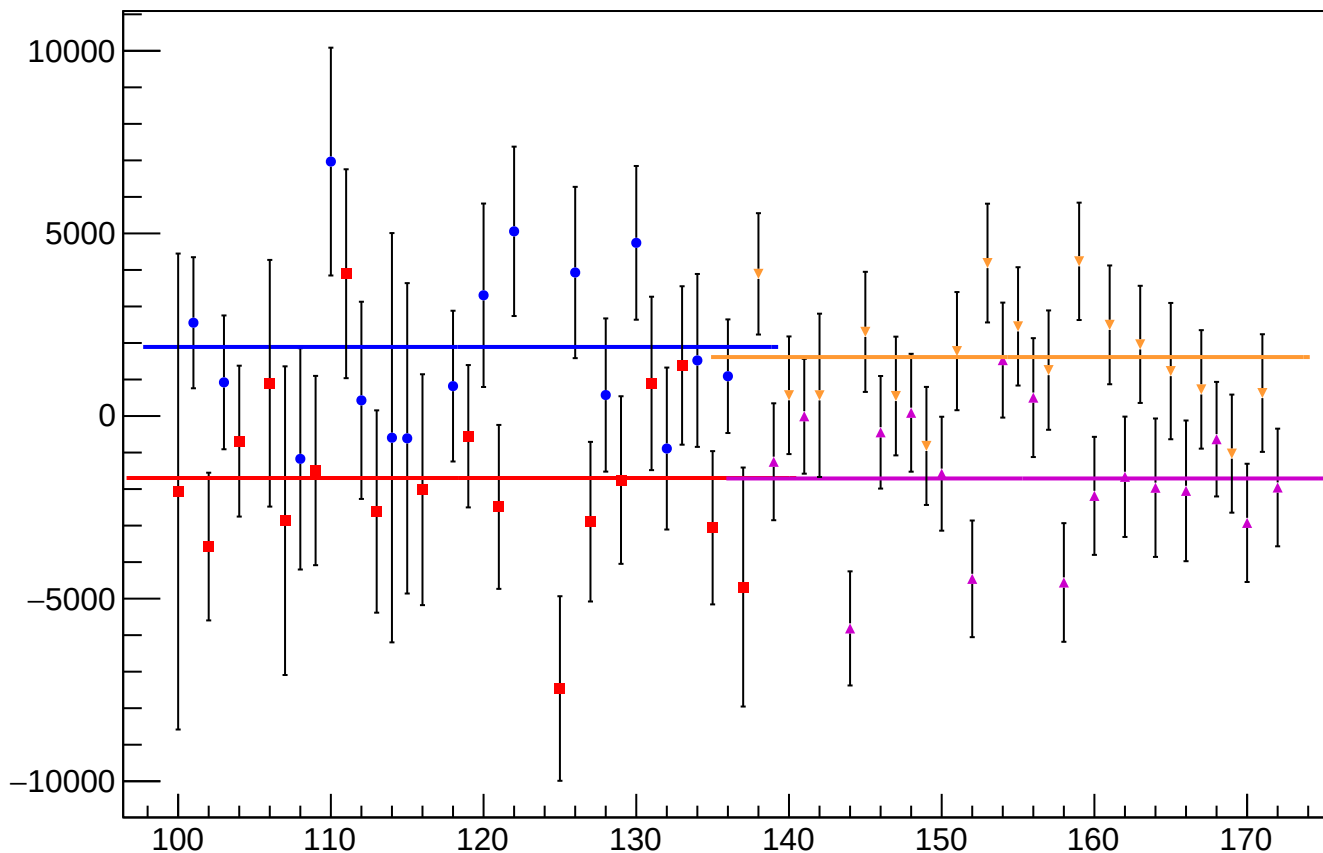
Left In: 1014.475+/-0.198 χ^2/NDF :1414137.6/16

+ sign 825.977+/-0.140 χ^2/NDF : 5636982.4/32

All: 450.003+/-0.071 χ^2/NDF : 41504710.6/67

- sign 319.937+/-0.082 χ^2/NDF : 26109791.0/34

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1614.643 $\pm$ 402.132 χ^2 /NDF: 14.6/16

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

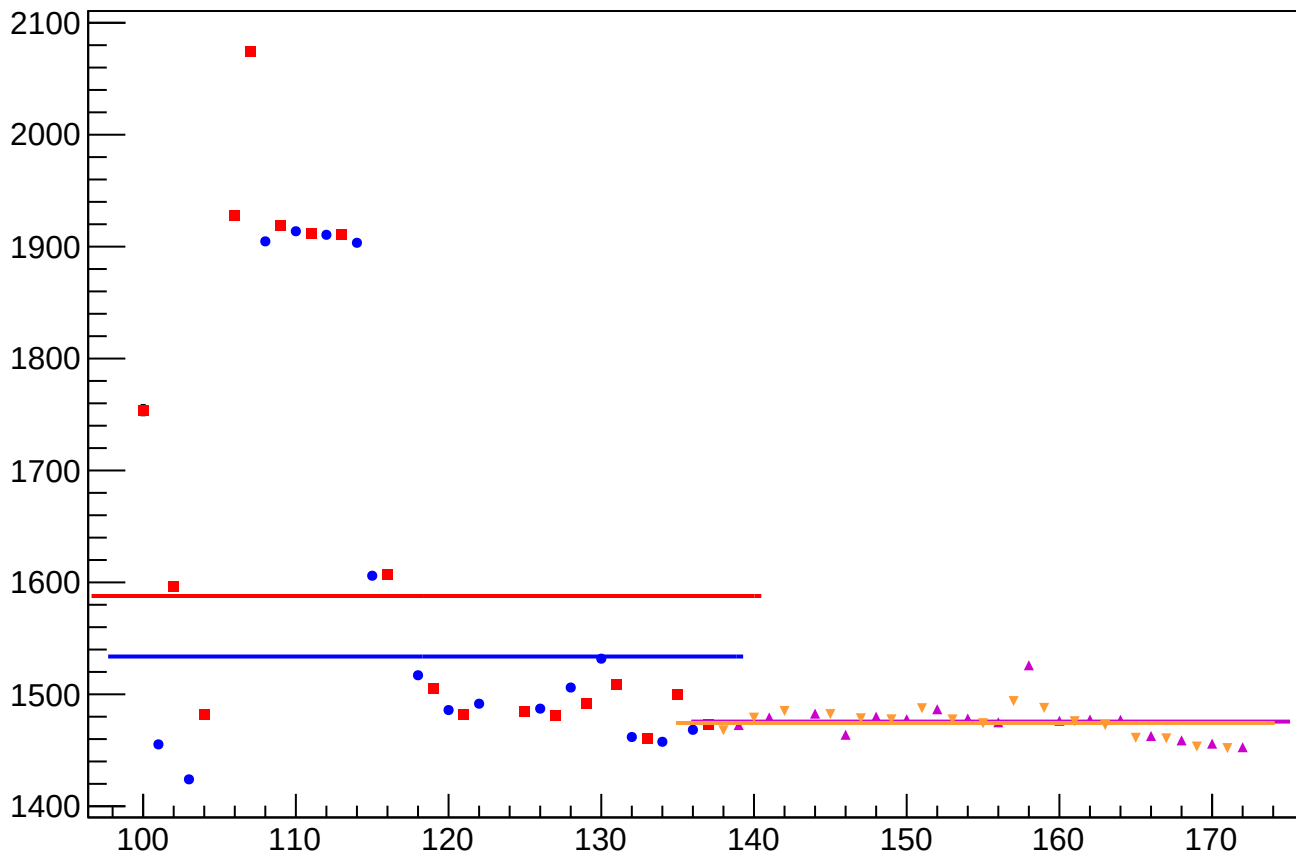
Left In: -1709.700 $\pm$ 393.907 χ^2 /NDF: 23.4/16

+ sign 1706.186 $\pm$ 329.017 χ^2 /NDF: 27.0/32

All: -7.410 $\pm$ 232.130 χ^2 /NDF: 120.6/67

- sign -1705.778 $\pm$ 327.552 χ^2 /NDF: 39.6/34

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

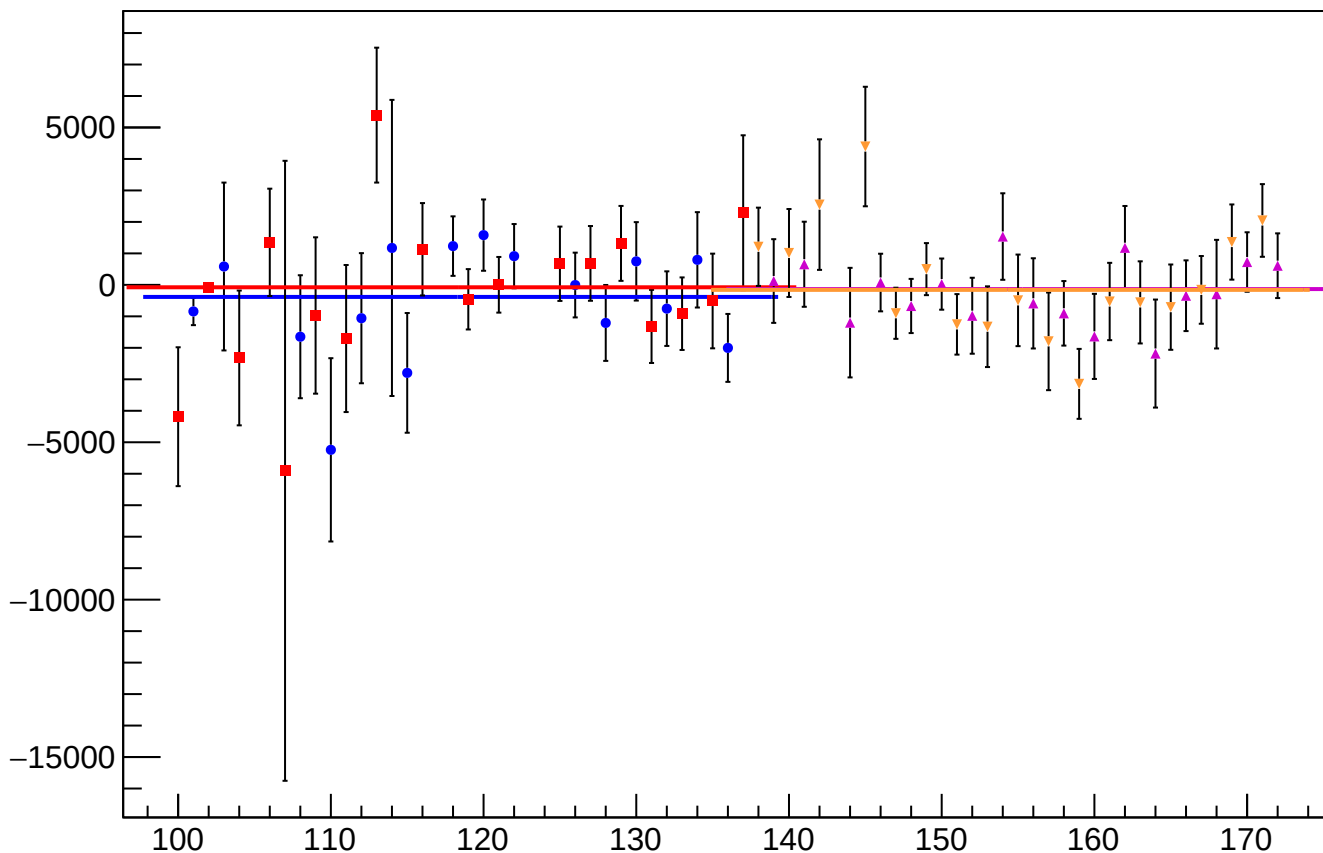
Left In: 1475.634+/-0.279 χ^2/NDF : 3238.8/16

+ sign 1494.022+/-0.233 χ^2/NDF : 145392.9/32

All: 1502.174+/-0.164 χ^2/NDF : 374919.3/67

- sign 1510.255+/-0.232 χ^2/NDF : 227081.2/34

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -382.761 $\pm$ 272.209 χ^2 /NDF: 18.2/15

Left Out: -158.385 $\pm$ 286.909 χ^2 /NDF:27.0/16

Right Out: -76.754 $\pm$ 138.137 χ^2 /NDF: 18.5/17

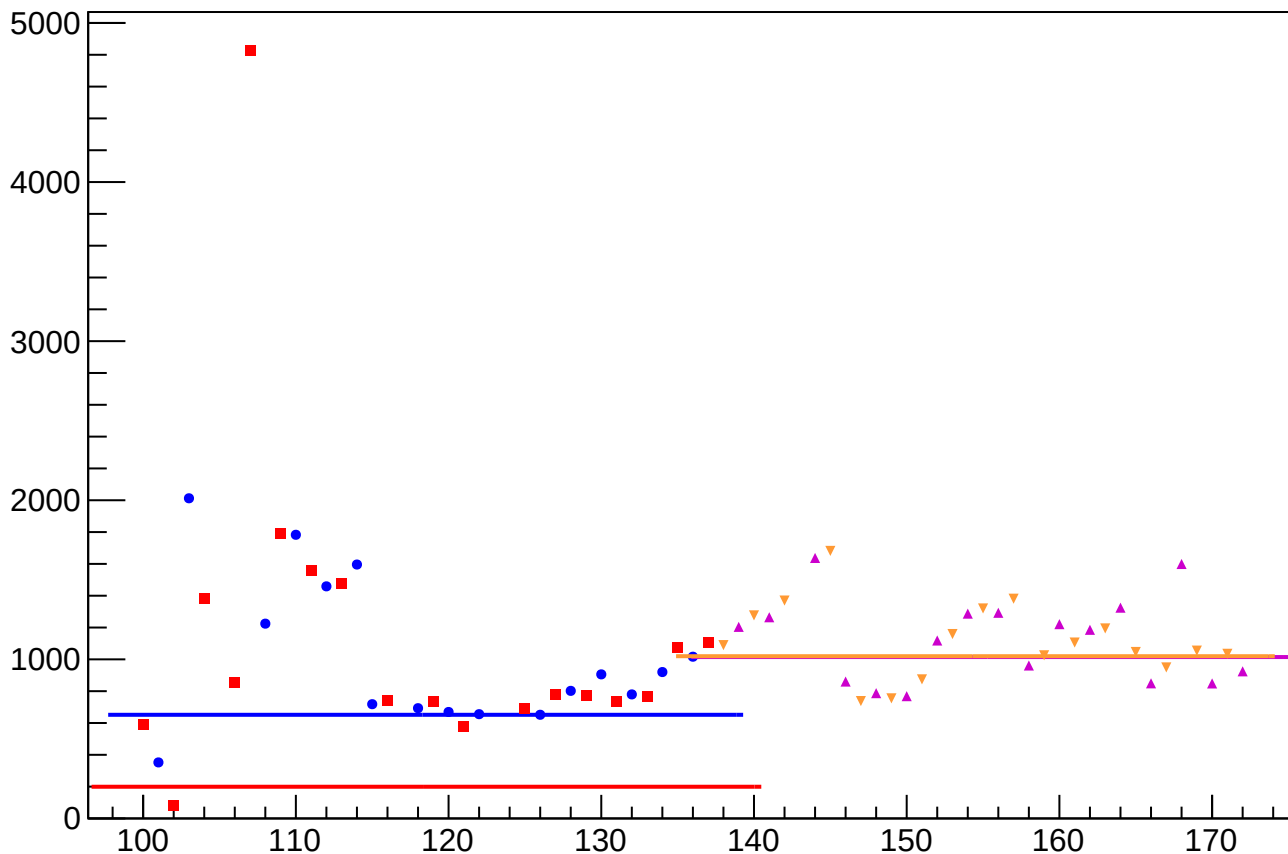
Left In: -133.276 $\pm$ 279.447 χ^2 /NDF:8.9/16

+ sign -276.468 $\pm$ 197.473 χ^2 /NDF: 45.5/32

All: -141.090 $\pm$ 104.912 χ^2 /NDF: 73.6/67

- sign -87.853 $\pm$ 123.834 χ^2 /NDF: 27.4/34

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

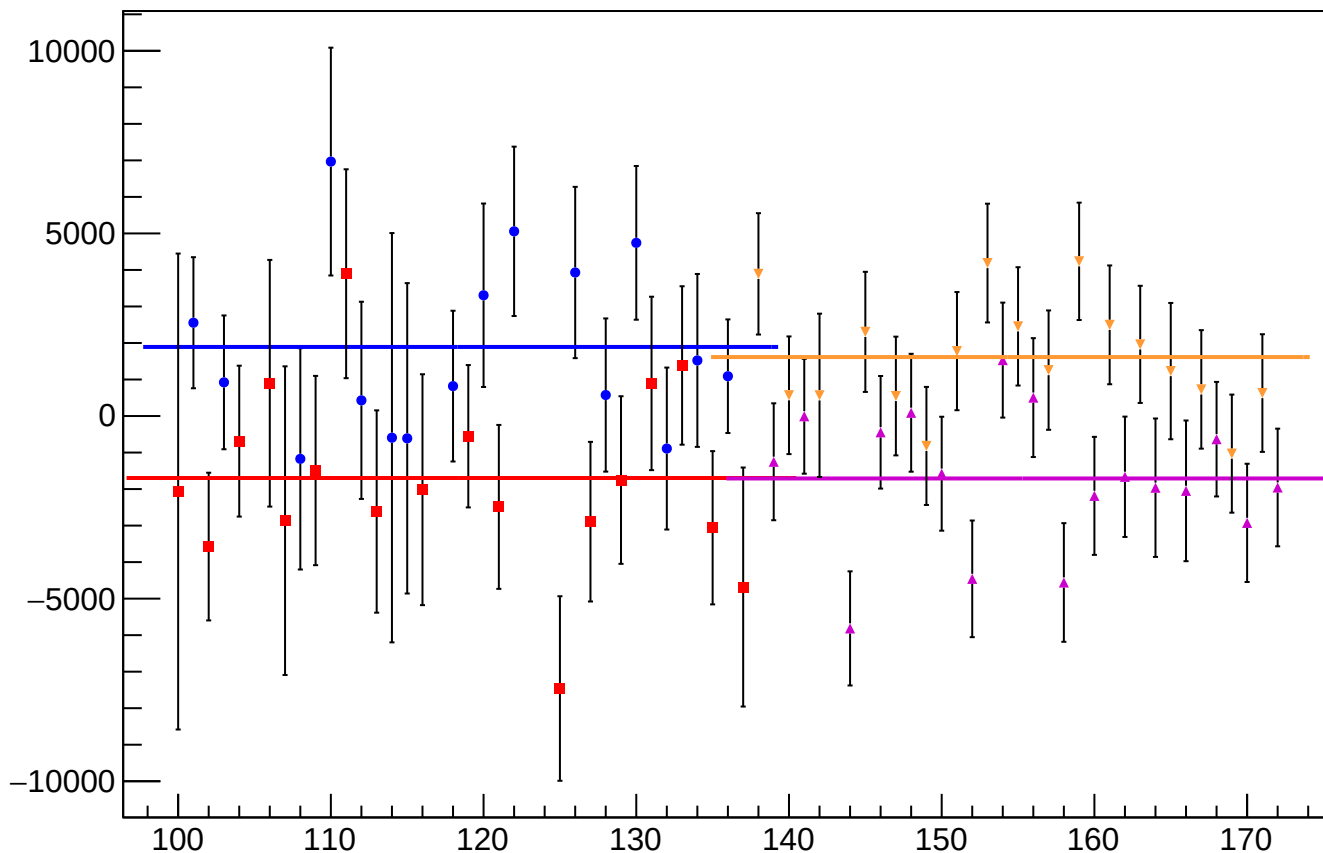
Left In: 1014.474+/-0.198 χ^2/NDF : 1414231.6/16

+ sign 825.977+/-0.140 χ^2/NDF : 5637060.2/32

All: 491.100+/-0.074 χ^2/NDF : 38024838.3/67

- sign 359.412+/-0.088 χ^2/NDF : 24374469.5/34

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1891.562 $\pm$ 572.244 χ^2 /NDF: 12.2/15

Left Out: 1614.643 $\pm$ 402.132 χ^2 /NDF: 14.6/16

Right Out: -1696.987 $\pm$ 589.699 χ^2 /NDF: 16.2/17

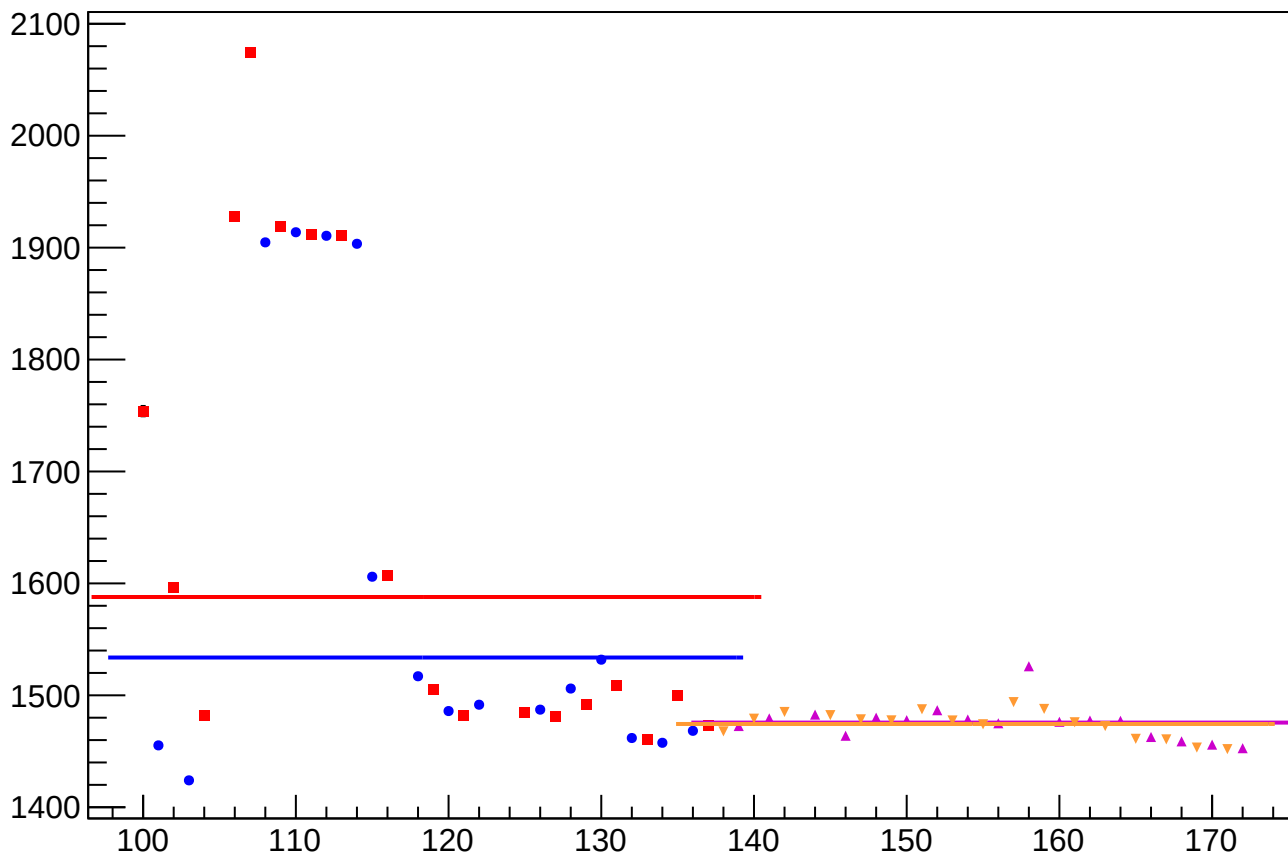
Left In: -1709.700 $\pm$ 393.907 χ^2 /NDF: 23.4/16

+ sign 1706.186 $\pm$ 329.017 χ^2 /NDF: 27.0/32

All: -7.410 $\pm$ 232.130 χ^2 /NDF: 120.6/67

- sign -1705.778 $\pm$ 327.552 χ^2 /NDF: 39.6/34

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1533.771 $\pm$ 0.405 χ^2 /NDF: 129271.5/15

Left Out: 1474.392 $\pm$ 0.284 χ^2 /NDF: 1706.1/16

Right Out: 1587.846 $\pm$ 0.417 χ^2 /NDF: 173766.9/17

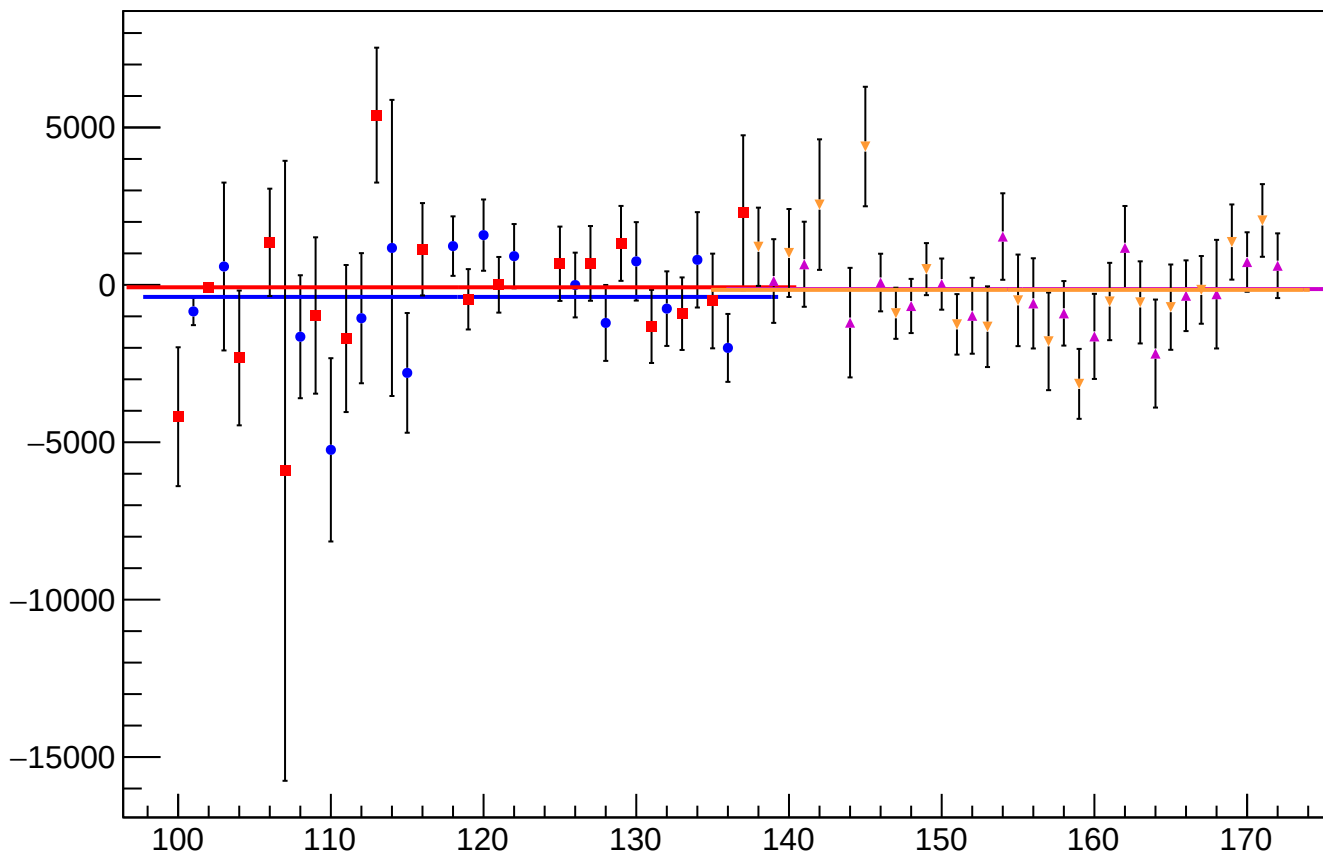
Left In: 1475.634 $\pm$ 0.279 χ^2 /NDF: 3238.8/16

+ sign 1494.022 $\pm$ 0.233 χ^2 /NDF: 145392.9/32

All: 1502.174 $\pm$ 0.164 χ^2 /NDF: 374919.3/67

- sign 1510.255 $\pm$ 0.232 χ^2 /NDF: 227081.2/34

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



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

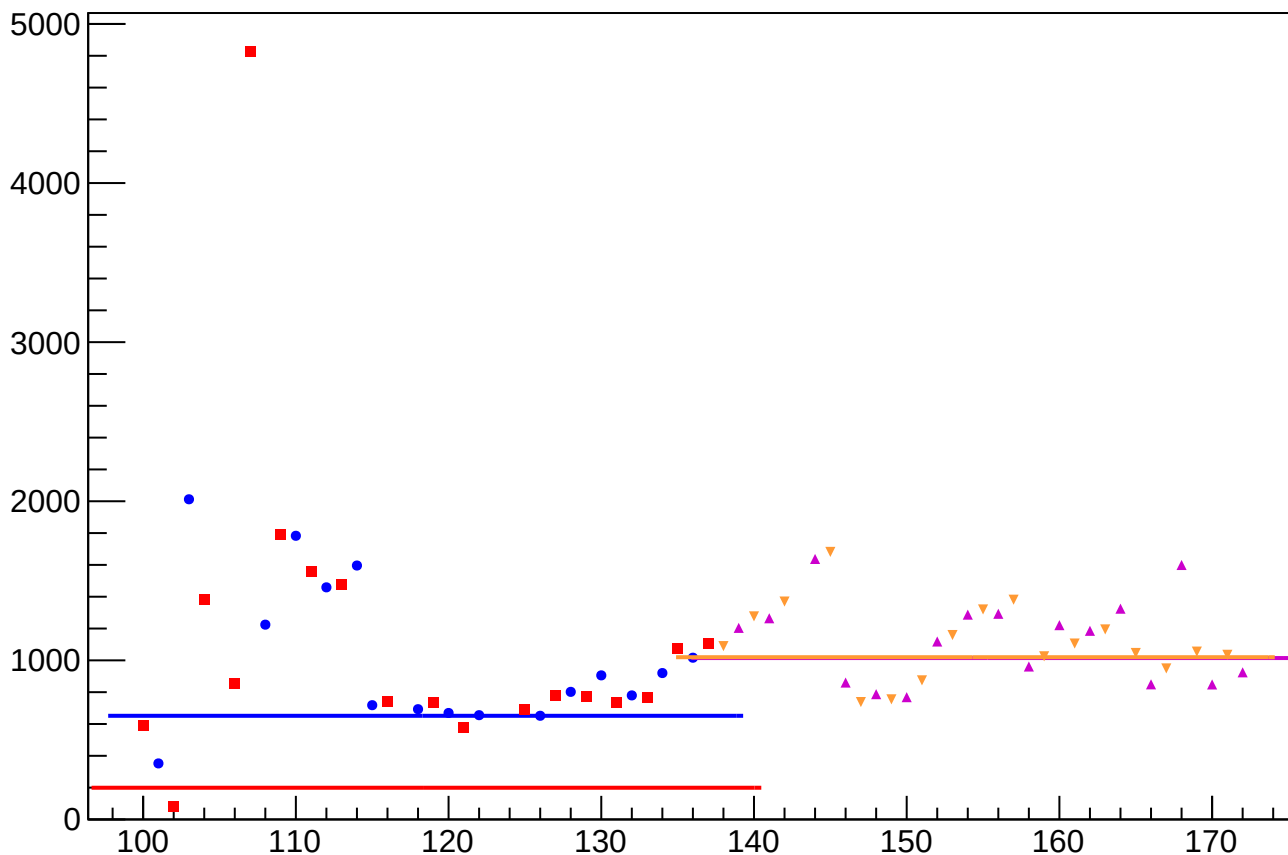
Left In: -133.276 ± 279.447 χ^2/NDF : 8.9/16

+ sign -276.468 ± 197.473 χ^2/NDF : 45.5/32

All: -141.090 ± 104.912 χ^2/NDF : 73.6/67

- sign -87.853 ± 123.834 χ^2/NDF : 27.4/34

asym_usl_atl1_avg_eigen_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

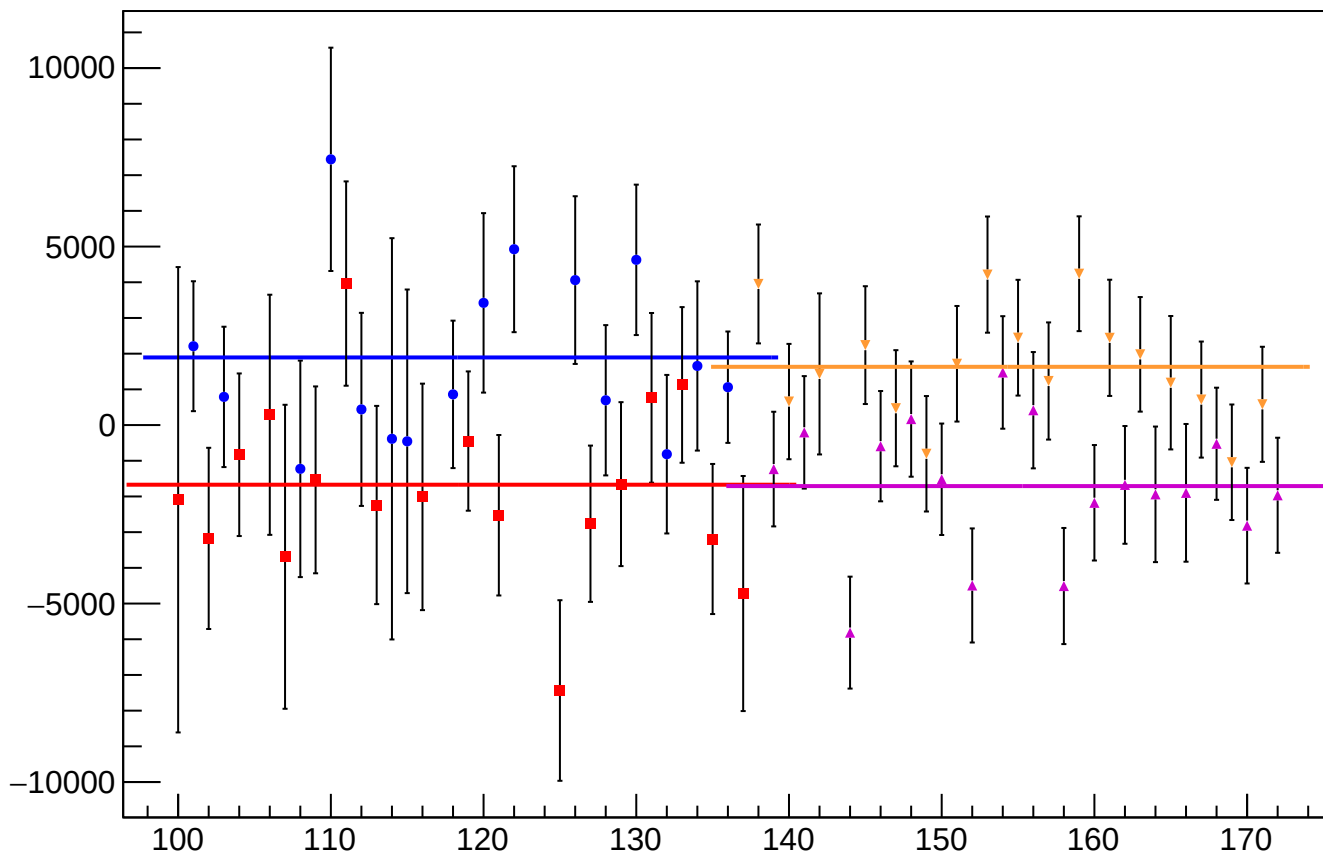
Left In: 1014.474+/-0.198 χ^2/NDF : 1414231.6/16

+ sign 825.977+/-0.140 χ^2/NDF : 5637060.2/32

All: 491.100+/-0.074 χ^2/NDF : 38024838.3/67

- sign 359.412+/-0.088 χ^2/NDF : 24374469.5/34

dit_asym_usl_atl1_avg_mean vs Slug



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

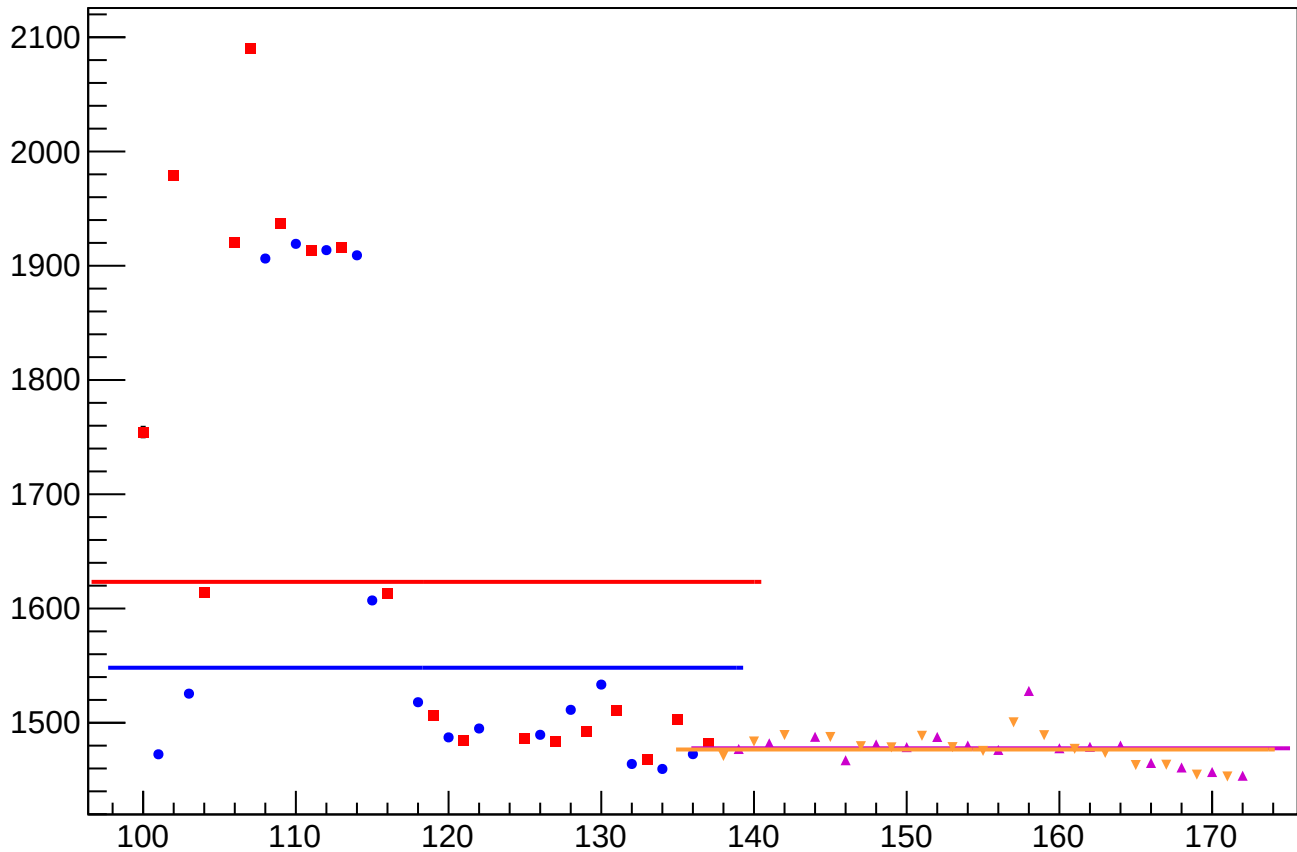
Left In: -1709.439+/-394.457 χ^2 /NDF:22.7/16

+ sign 1717.502+/-330.414 χ^2 /NDF: 26.9/32

All: 9.713+/-233.634 χ^2 /NDF: 118.1/67

- sign -1697.949+/-330.402 χ^2 /NDF: 37.7/34

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1548.174 $\pm$ 0.408 χ^2 /NDF: 119905.3/15

Left Out: 1476.618 $\pm$ 0.285 χ^2 /NDF: 1921.5/16

Right Out: 1623.331 $\pm$ 0.428 χ^2 /NDF: 211534.0/17

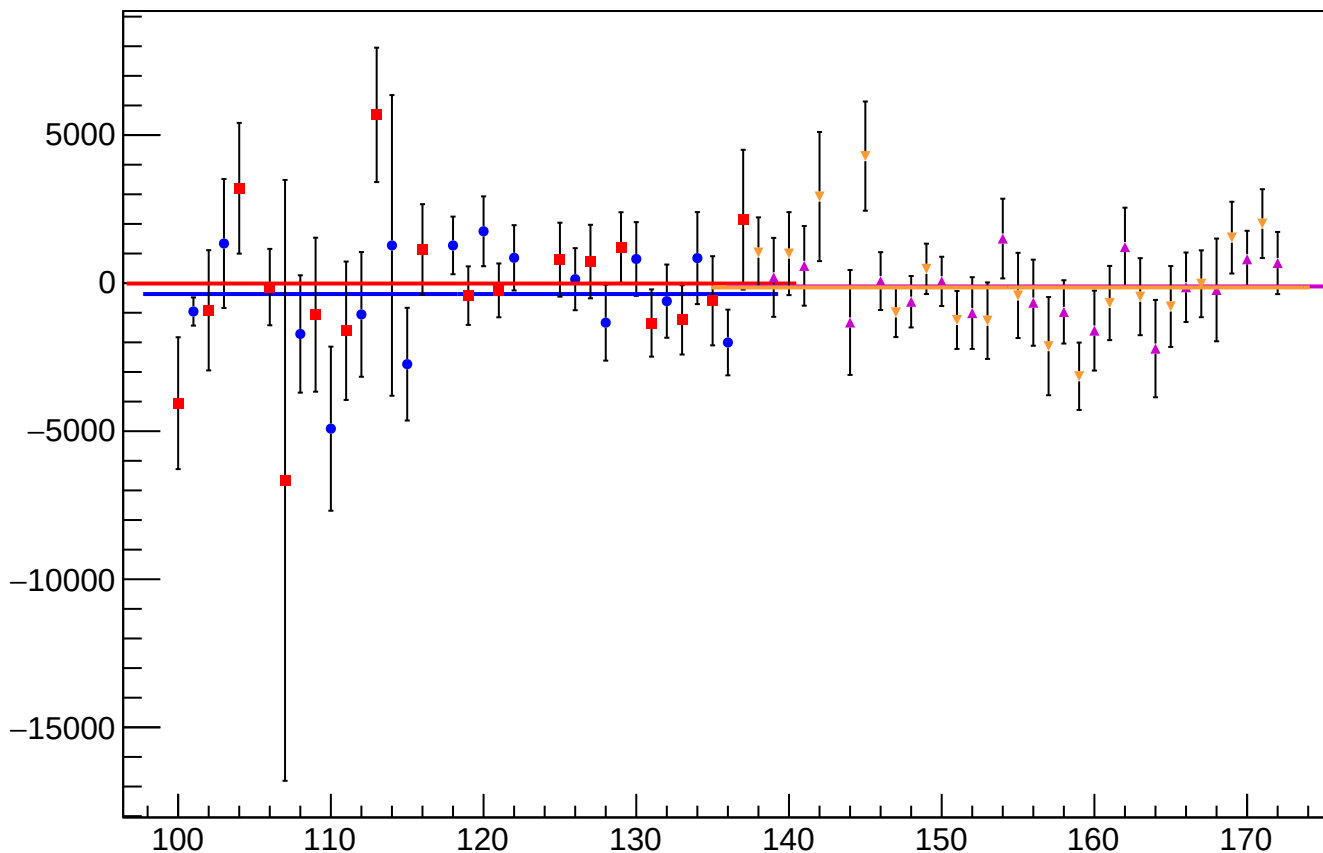
Left In: 1477.676 $\pm$ 0.279 χ^2 /NDF: 3278.9/16

+ sign 1500.031 $\pm$ 0.234 χ^2 /NDF: 142476.4/32

All: 1510.586 $\pm$ 0.165 χ^2 /NDF: 442745.3/67

- sign 1521.140 $\pm$ 0.234 χ^2 /NDF: 296187.4/34

asym_usl_atl1_avg_dit_correction_mean vs Slug



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

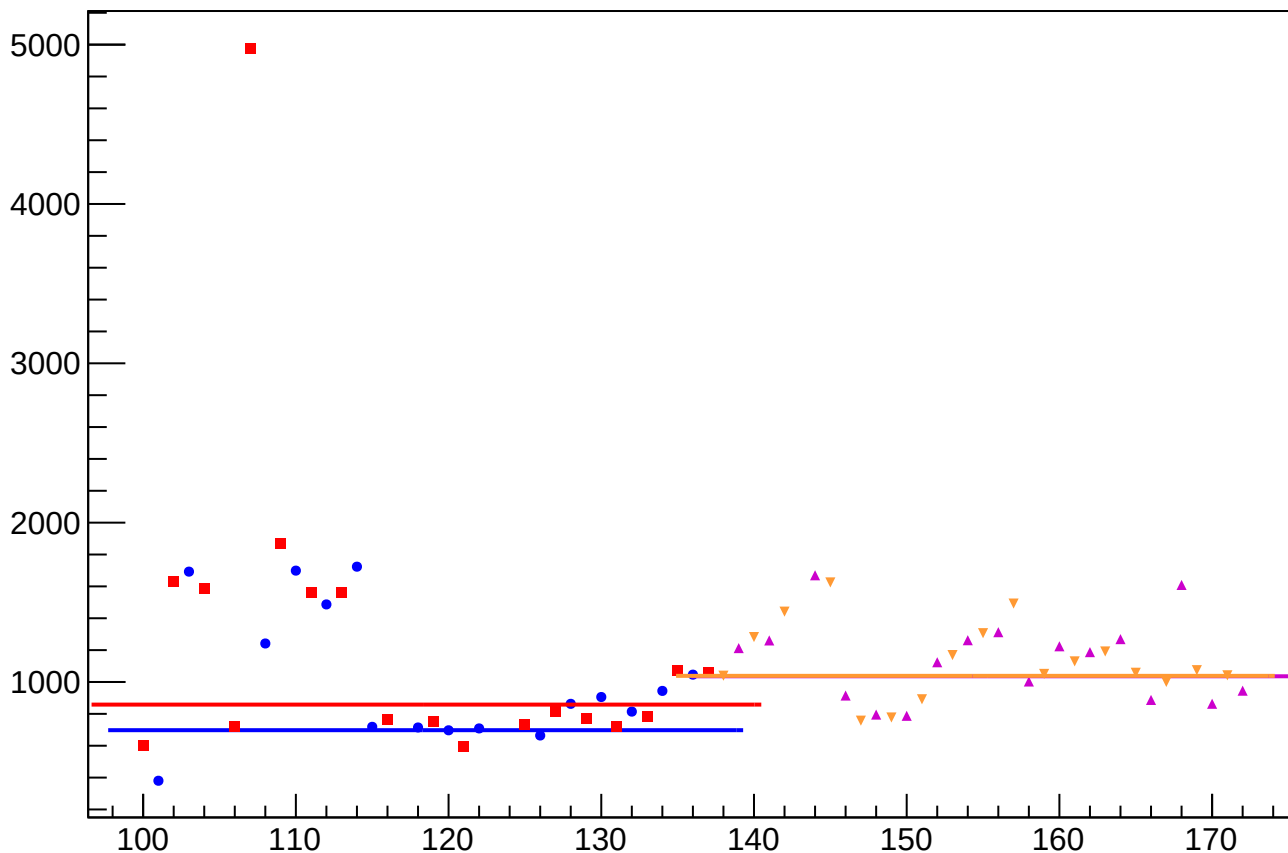
Left In: -111.546 ± 284.350 χ^2/NDF : 9.3/16

+ sign -259.033 ± 204.340 χ^2/NDF : 46.4/32

All: -171.557 ± 149.256 χ^2/NDF : 75.3/67

- sign -71.505 ± 218.535 χ^2/NDF : 28.5/34

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 697.517 $\pm$ 0.203 χ^2 /NDF: 2435601.0/15

Left Out: 1038.518 $\pm$ 0.206 χ^2 /NDF: 1074542.7/16

Right Out: 858.095 $\pm$ 0.242 χ^2 /NDF: 1882164.5/17

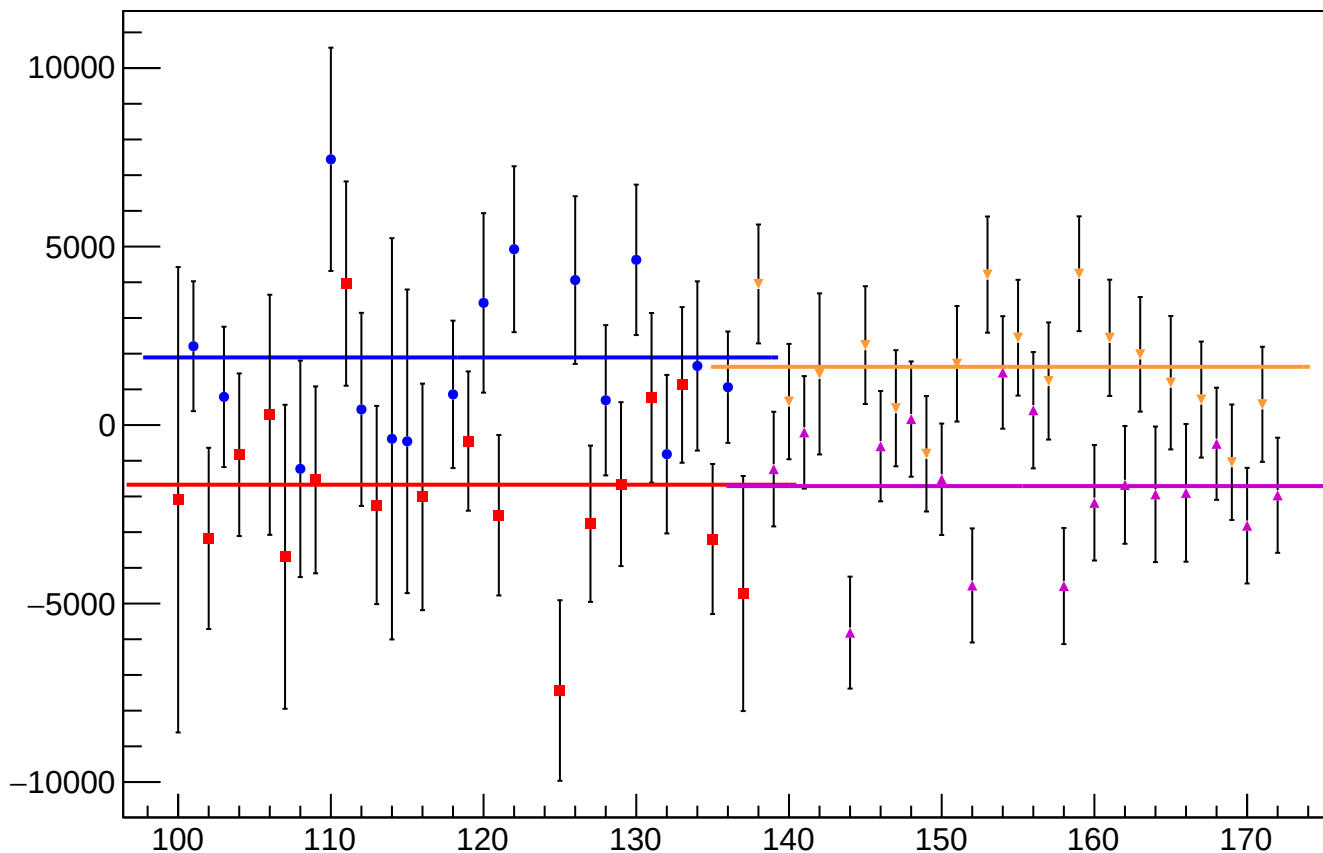
Left In: 1035.821 $\pm$ 0.201 χ^2 /NDF: 1284810.0/16

+ sign 865.145 $\pm$ 0.144 χ^2 /NDF: 4902187.9/32

All: 910.824 $\pm$ 0.106 χ^2 /NDF: 8603244.7/67

- sign 963.071 $\pm$ 0.155 χ^2 /NDF: 3486798.1/34

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

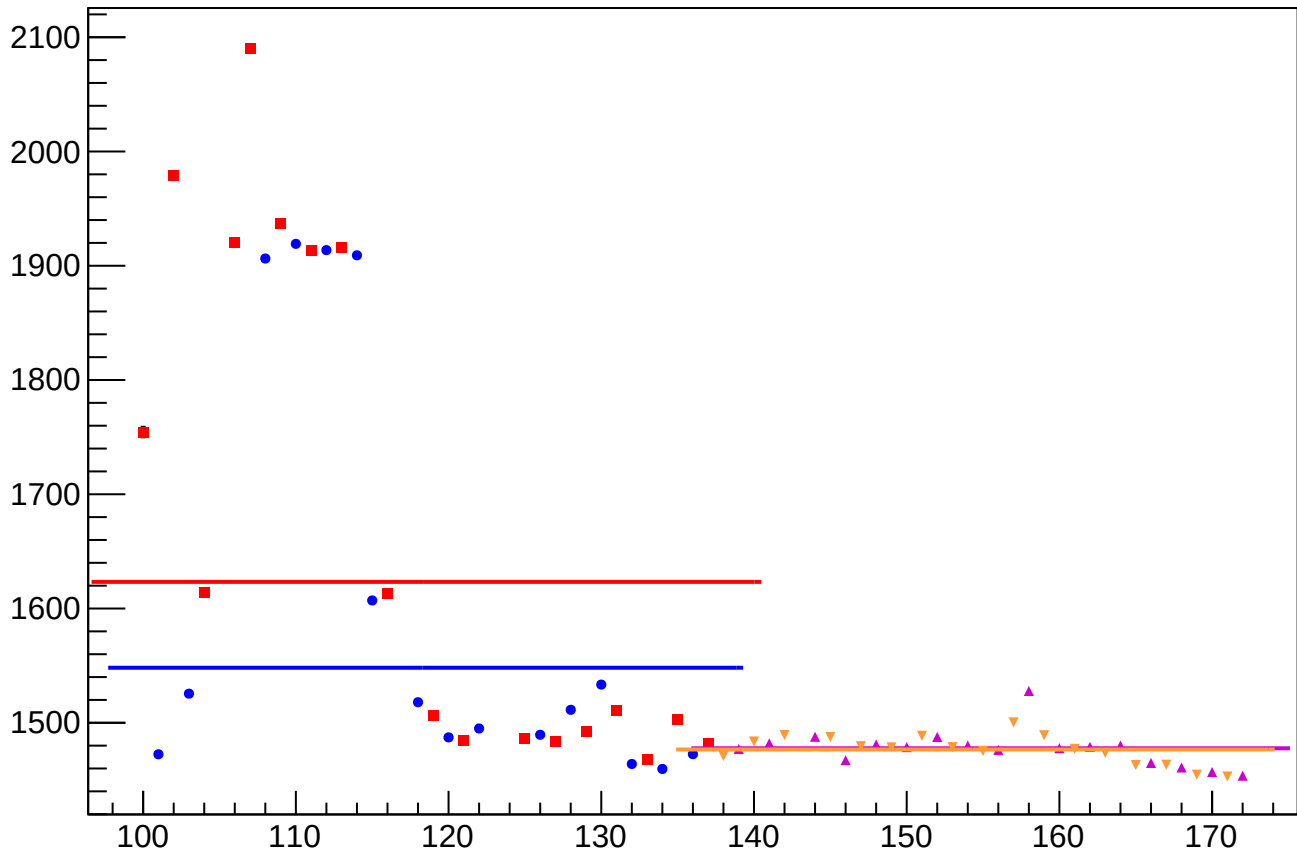
Left In: -1709.441+/-394.457 χ^2/NDF : 22.7/16

+ sign 1717.500+/-330.414 χ^2/NDF : 26.9/32

All: 9.712+/-233.634 χ^2/NDF : 118.1/67

- sign -1697.949+/-330.402 χ^2/NDF : 37.7/34

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

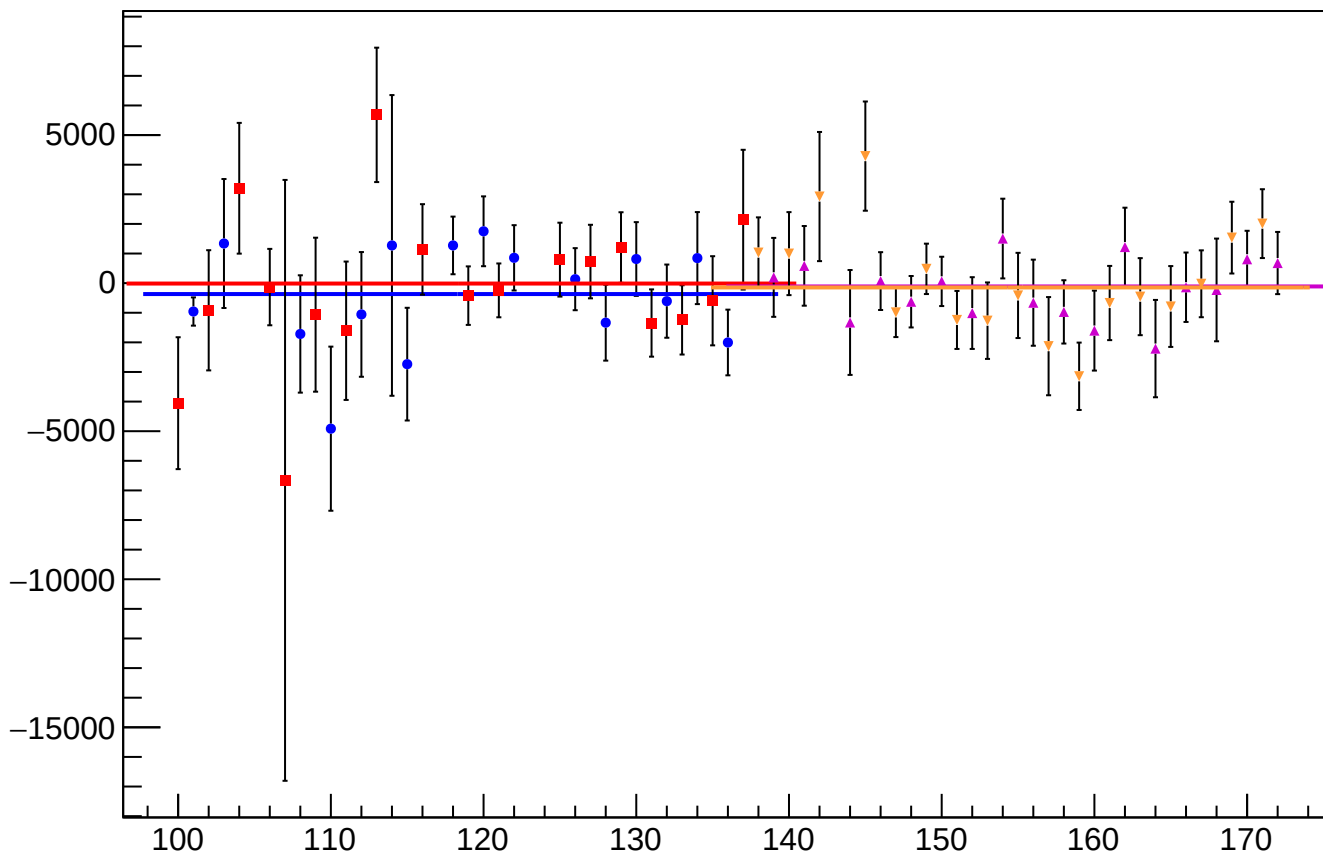
Left In: 1477.676+/-0.279 χ^2/NDF : 3278.9/16

+ sign 1500.031+/-0.234 χ^2/NDF : 142476.3/32

All: 1510.586+/-0.165 χ^2/NDF : 442744.8/67

- sign 1521.140+/-0.234 χ^2/NDF : 296186.9/34

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



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

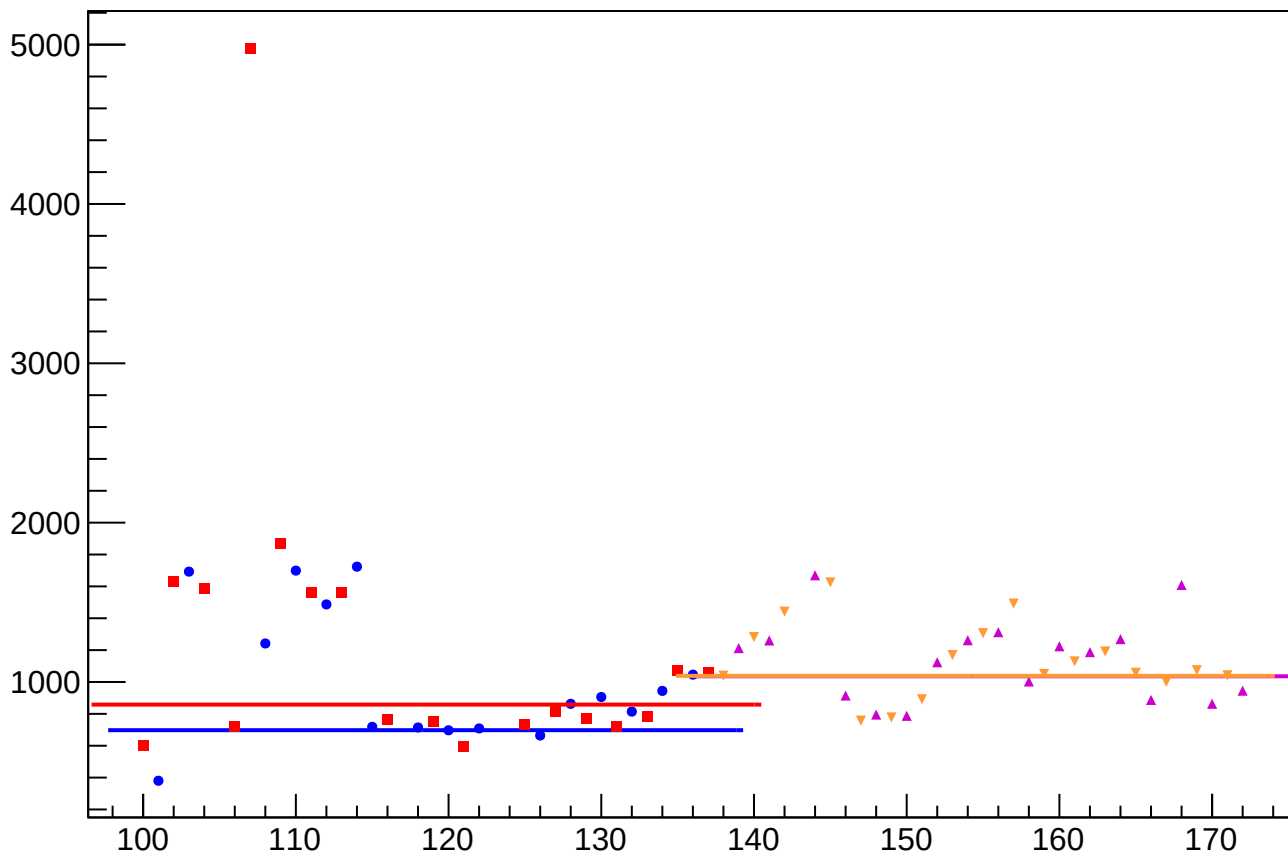
Left In: -111.546 ± 284.350 χ^2/NDF : 9.3/16

+ sign -259.034 ± 204.340 χ^2/NDF : 46.4/32

All: -171.558 ± 149.256 χ^2/NDF : 75.3/67

- sign -71.506 ± 218.535 χ^2/NDF : 28.5/34

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 697.517 $\pm$ 0.203 χ^2 /NDF: 2435593.9/15

Left Out: 1038.520 $\pm$ 0.206 χ^2 /NDF: 1074540.4/16

Right Out: 858.094 $\pm$ 0.242 χ^2 /NDF: 1882174.1/17

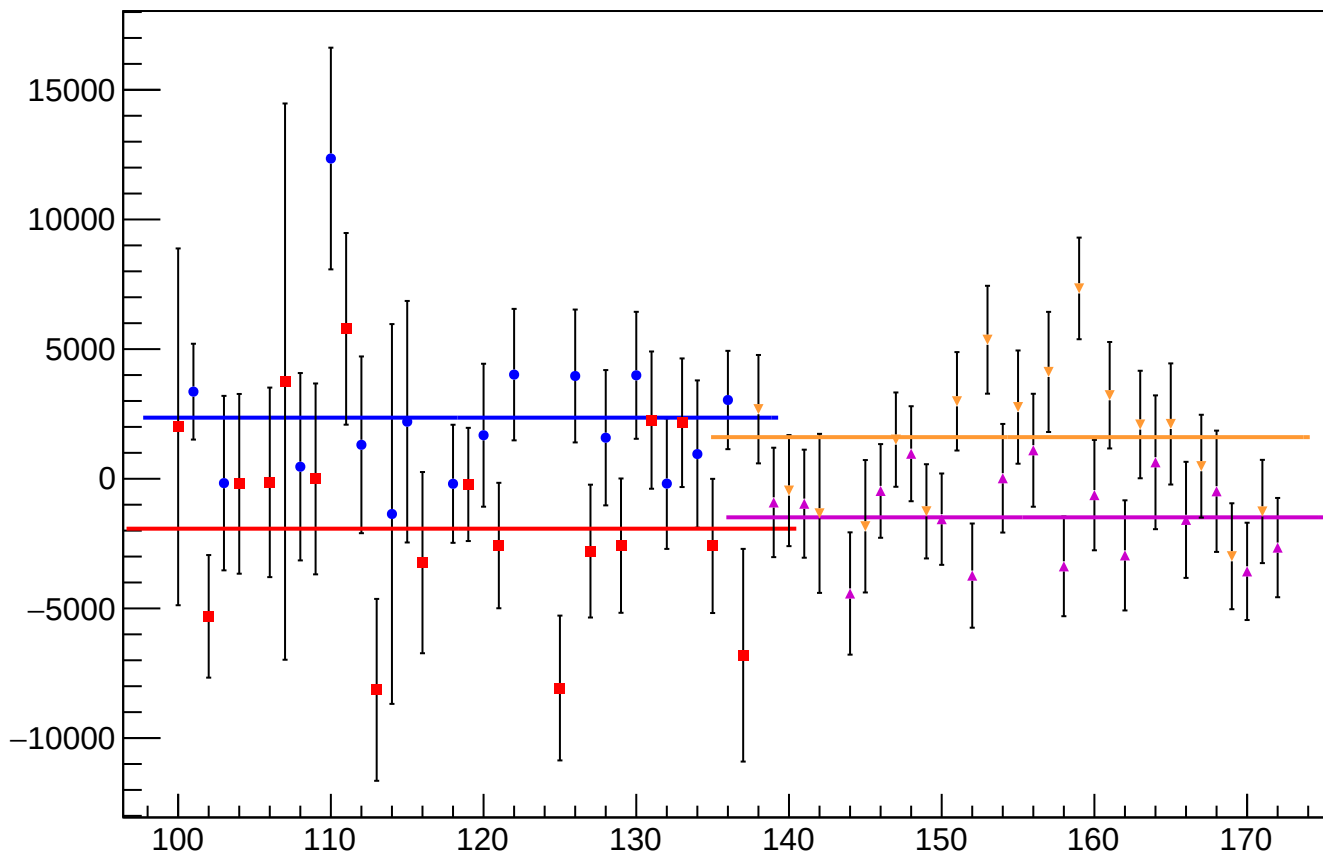
Left In: 1035.823 $\pm$ 0.201 χ^2 /NDF: 1284806.7/16

+ sign 865.146 $\pm$ 0.144 χ^2 /NDF: 4902189.8/32

All: 910.825 $\pm$ 0.106 χ^2 /NDF: 8603262.0/67

- sign 963.071 $\pm$ 0.155 χ^2 /NDF: 3486816.0/34

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.998 $\pm$ 678.944 χ^2 /NDF: 11.0/15

Left Out: 1605.386 $\pm$ 507.924 χ^2 /NDF:28.4/16

Right Out: -1924.824 $\pm$ 706.809 χ^2 /NDF: 23.4/17

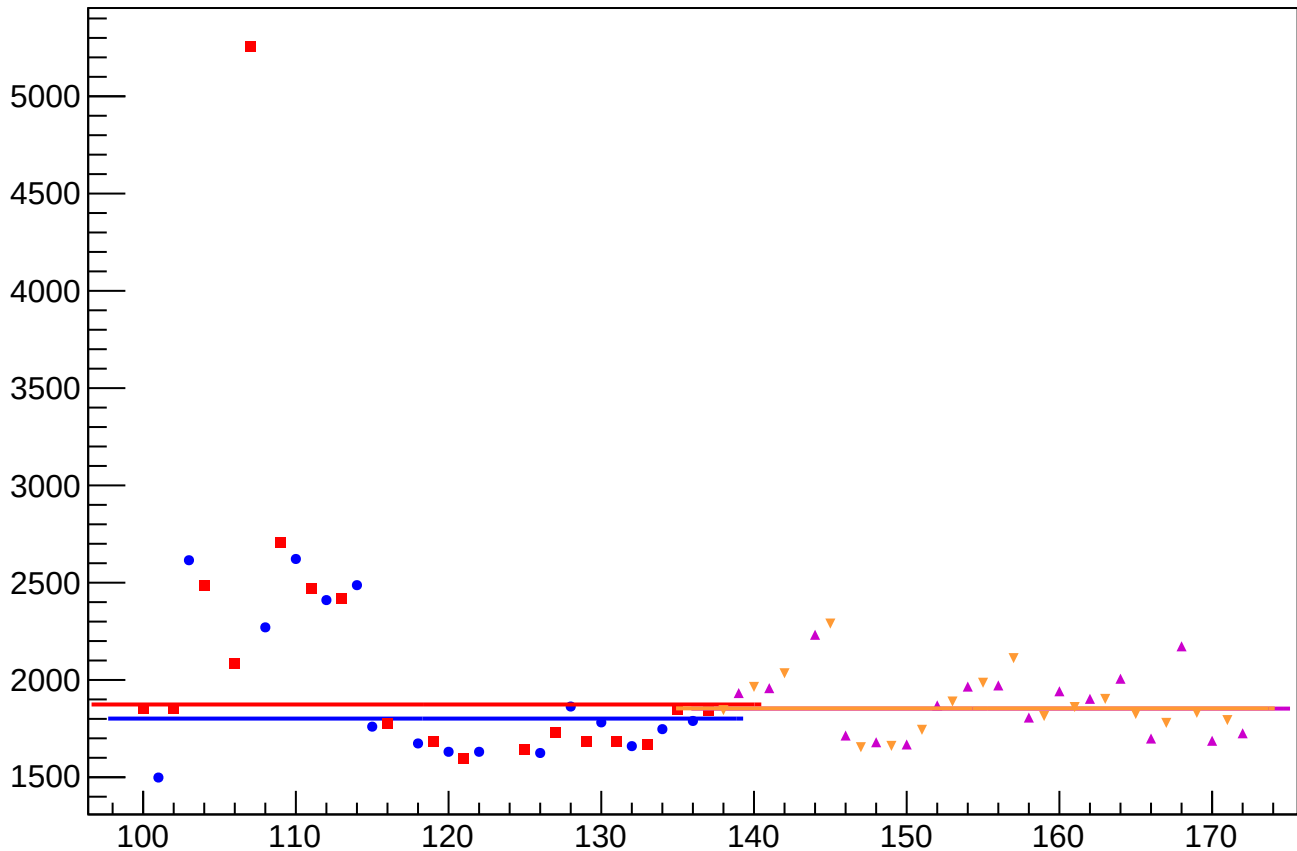
Left In: -1487.151 $\pm$ 496.894 χ^2 /NDF:11.1/16

+ sign 1875.093 $\pm$ 406.708 χ^2 /NDF: 40.2/32

All: 120.673 $\pm$ 287.511 χ^2 /NDF: 112.1/67

- sign -1631.914 $\pm$ 406.496 χ^2 /NDF: 34.8/34

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

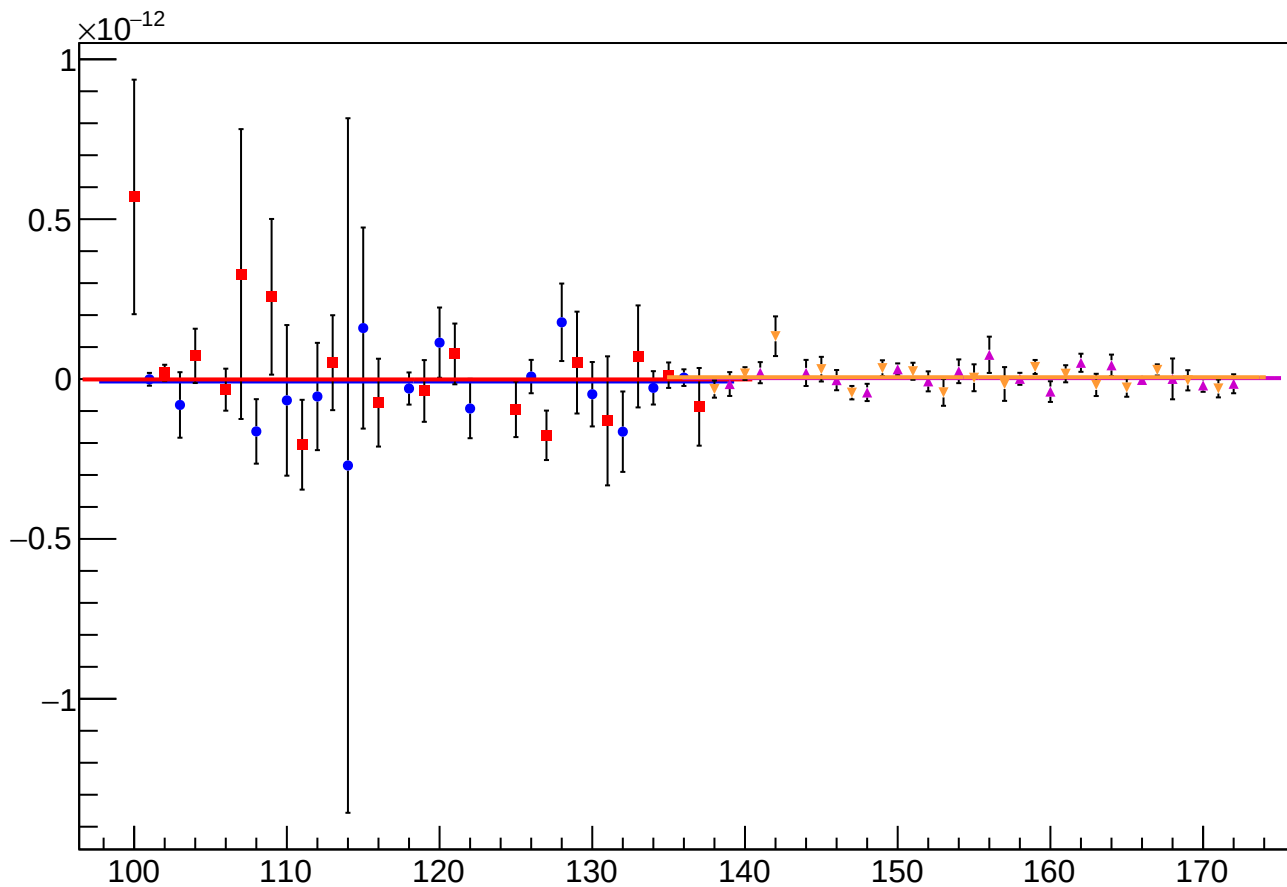
Left In: 1852.819+/-0.351 χ^2/NDF :207210.1/16

+ sign 1835.138+/-0.288 χ^2/NDF : 572084.2/32

All: 1847.484+/-0.203 χ^2/NDF : 1354086.5/67

- sign 1859.817+/-0.287 χ^2/NDF : 778318.4/34

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



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

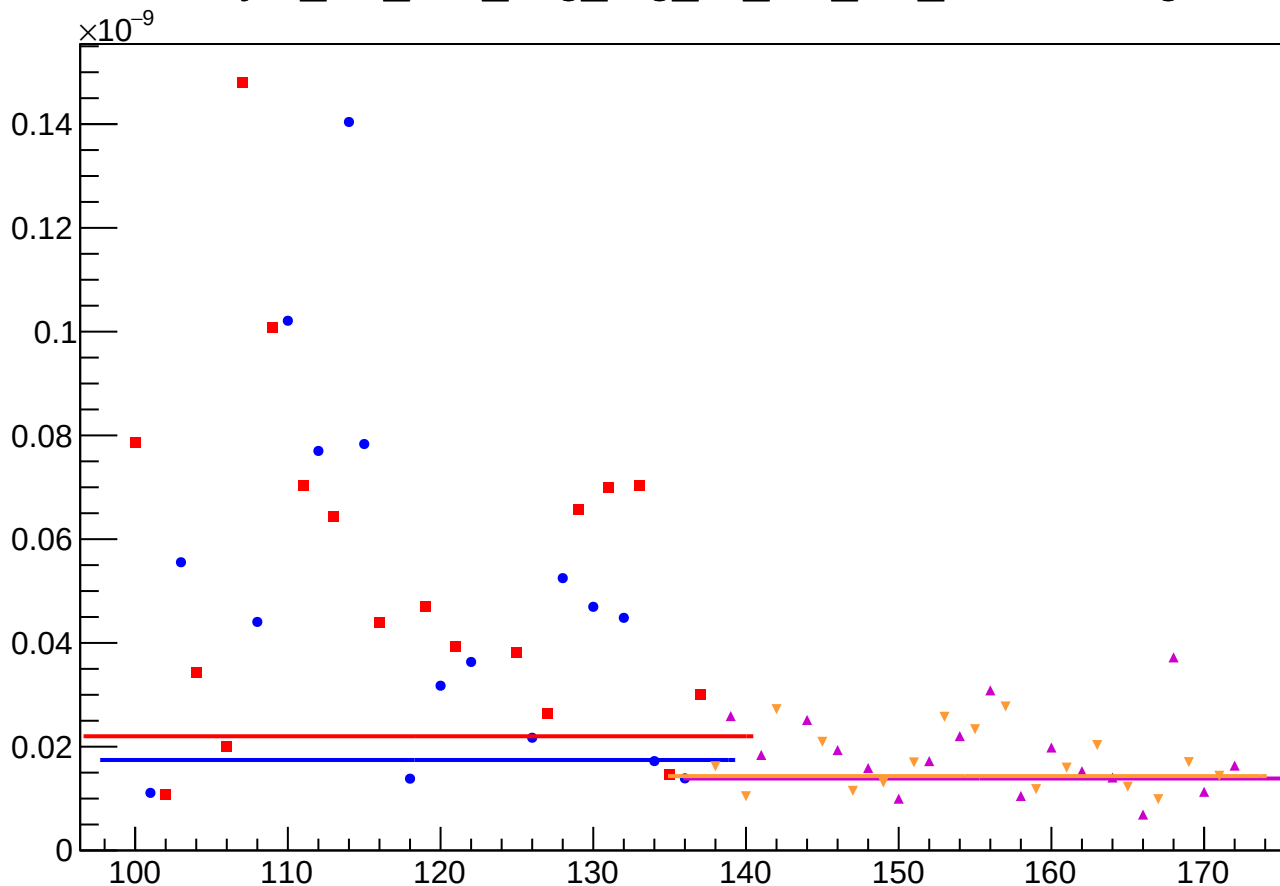
Left In: 0.000+/-0.000 χ^2 /NDF:15.6/16

+ sign 0.000+/-0.000 χ^2 /NDF: 34.0/32

All: 0.000+/-0.000 χ^2 /NDF: 66.3/67

- sign 0.000+/-0.000 χ^2 /NDF: 32.3/34

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1840069.5/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 908596.4/16$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2098640.3/17$

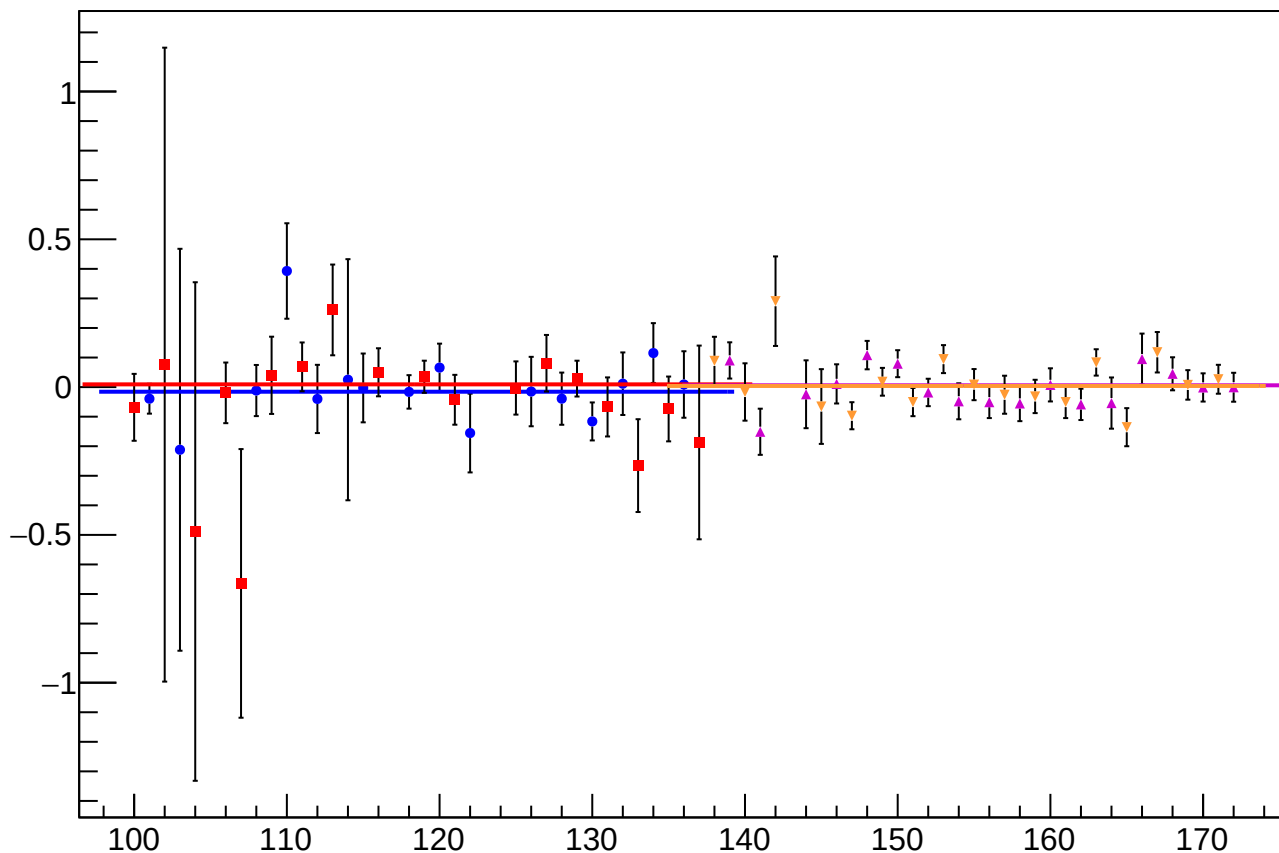
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1746571.4/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 2837839.7/32$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 7077870.1/67$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 4239835.7/34$

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

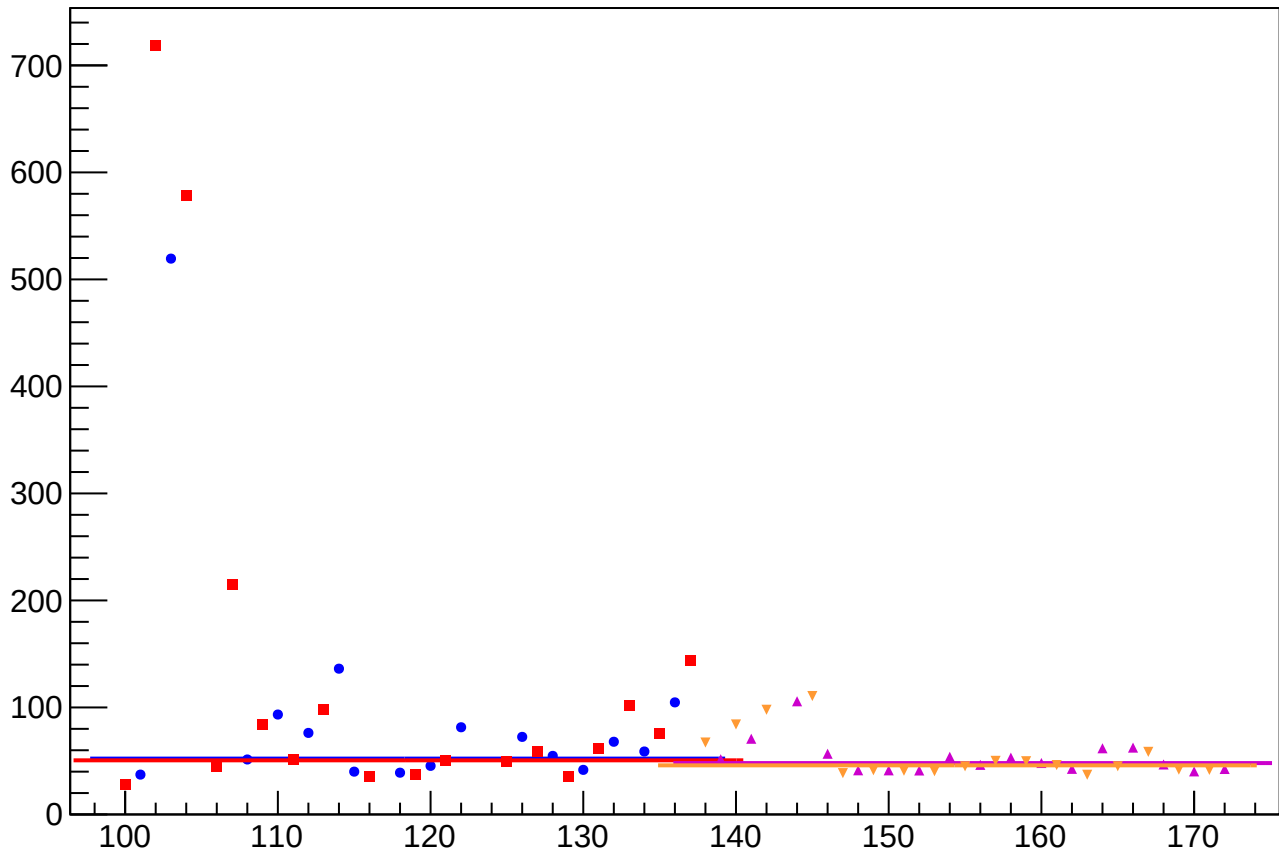
Left In: 0.006 ± 0.014 χ^2/NDF : 19.9/16

+ sign -0.001 ± 0.012 χ^2/NDF : 41.2/32

All: 0.003 ± 0.008 χ^2/NDF : 73.8/67

- sign 0.007 ± 0.012 χ^2/NDF : 32.4/34

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.191 ± 0.016 $\chi^2/\text{NDF}: 2266928.1/15$

Left Out: 45.895 ± 0.010 $\chi^2/\text{NDF}: 1518720.3/16$

Right Out: 50.582 ± 0.017 $\chi^2/\text{NDF}: 3051379.6/17$

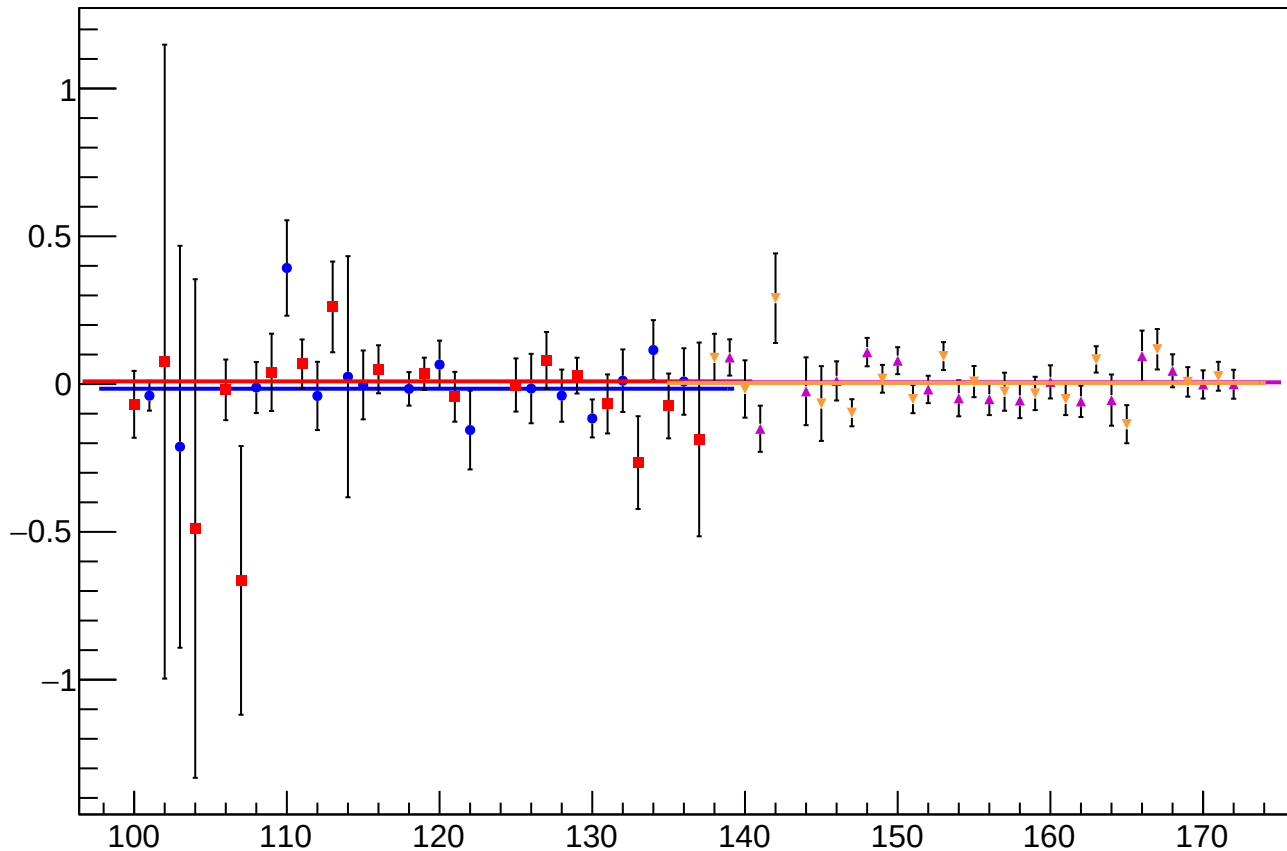
Left In: 48.004 ± 0.010 $\chi^2/\text{NDF}: 1087532.2/16$

+ sign 47.609 ± 0.008 $\chi^2/\text{NDF}: 3898157.9/32$

All: 48.132 ± 0.006 $\chi^2/\text{NDF}: 8062710.8/67$

- sign 48.673 ± 0.009 $\chi^2/\text{NDF}: 4156582.5/34$

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.023 χ^2/NDF : 13.2/15

Left Out: 0.004 ± 0.014 χ^2/NDF : 27.4/16

Right Out: 0.009 ± 0.024 χ^2/NDF : 12.5/17

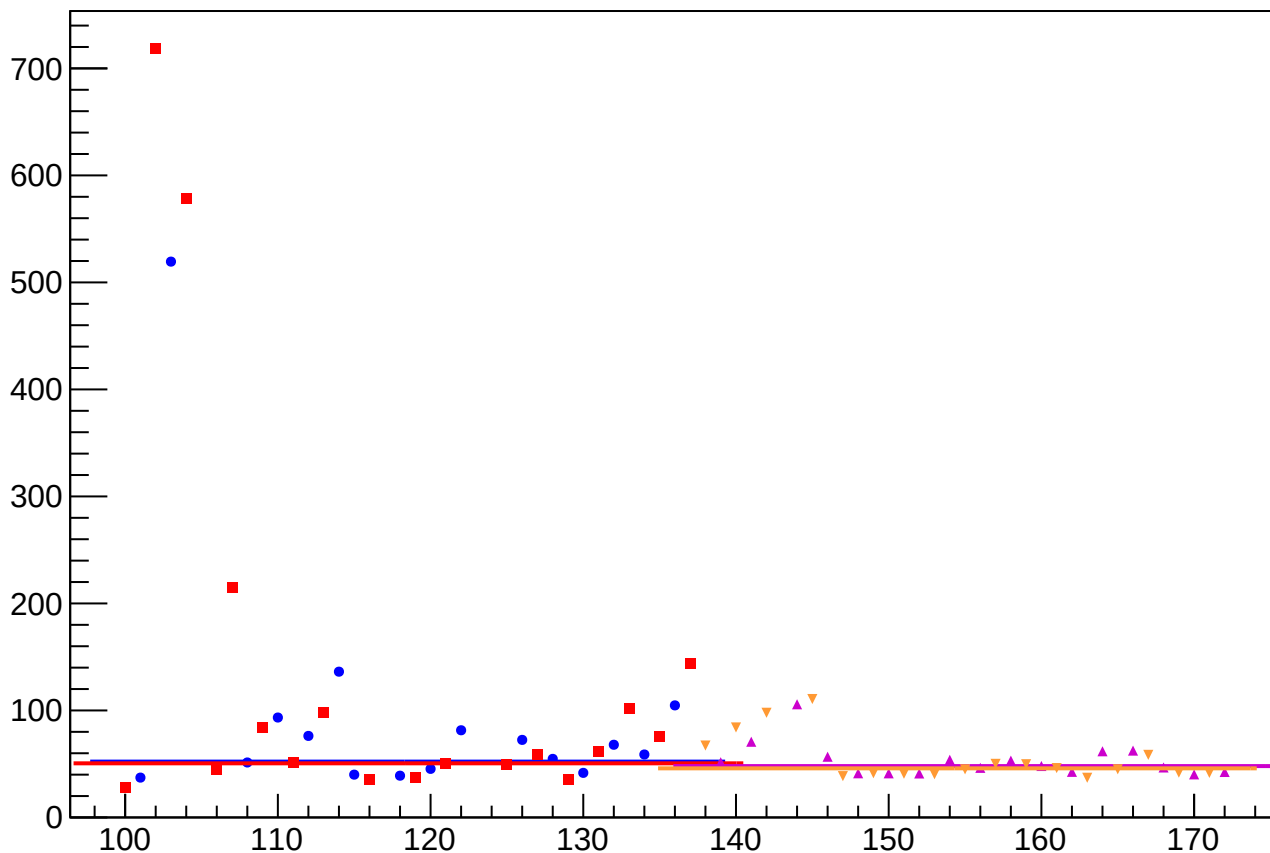
Left In: 0.006 ± 0.014 χ^2/NDF : 19.9/16

+ sign -0.001 ± 0.012 χ^2/NDF : 41.2/32

All: 0.003 ± 0.008 χ^2/NDF : 73.8/67

- sign 0.007 ± 0.012 χ^2/NDF : 32.4/34

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

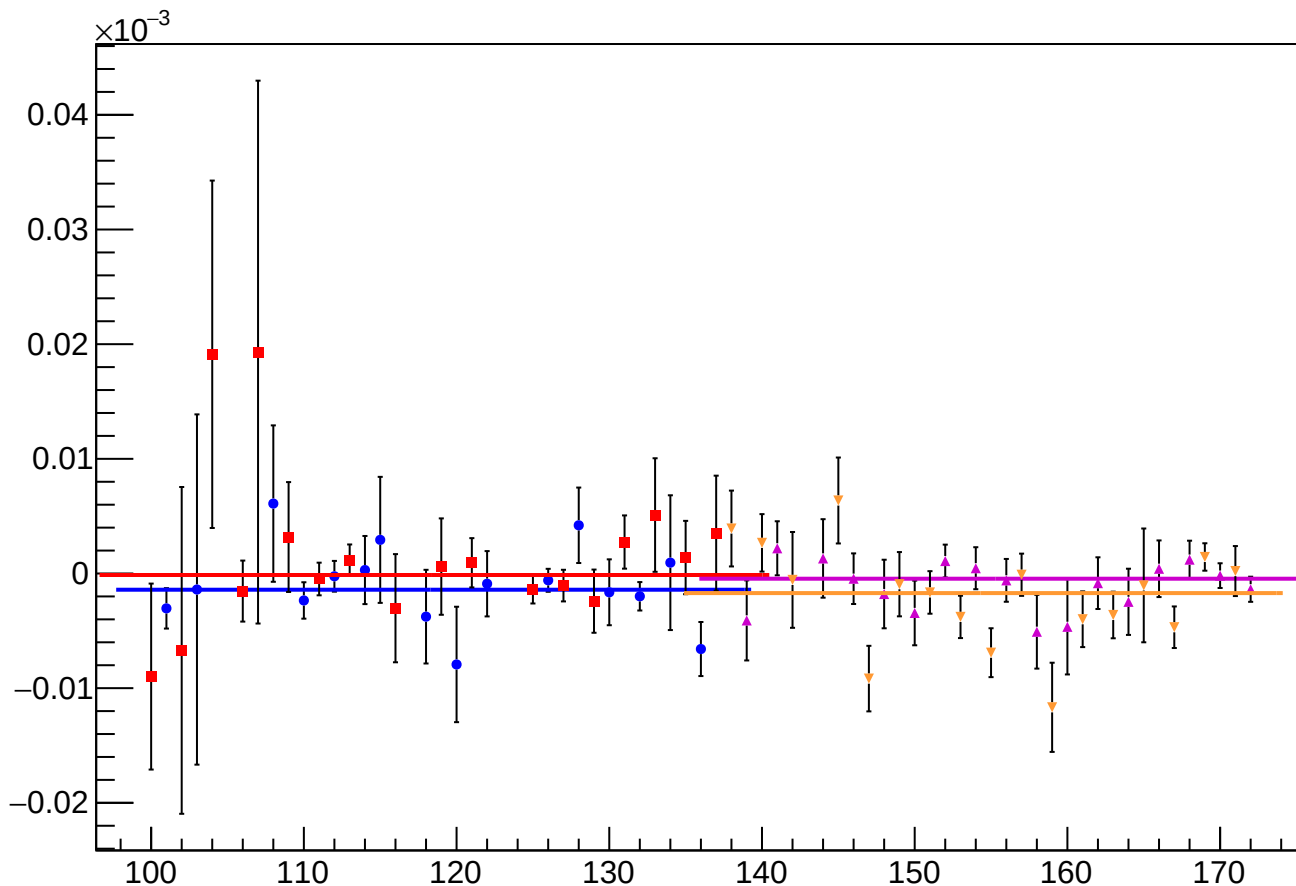
Left In: 48.004+/-0.010 χ^2/NDF : 1087532.2/16

+ sign 47.609+/-0.008 χ^2/NDF : 3898157.9/32

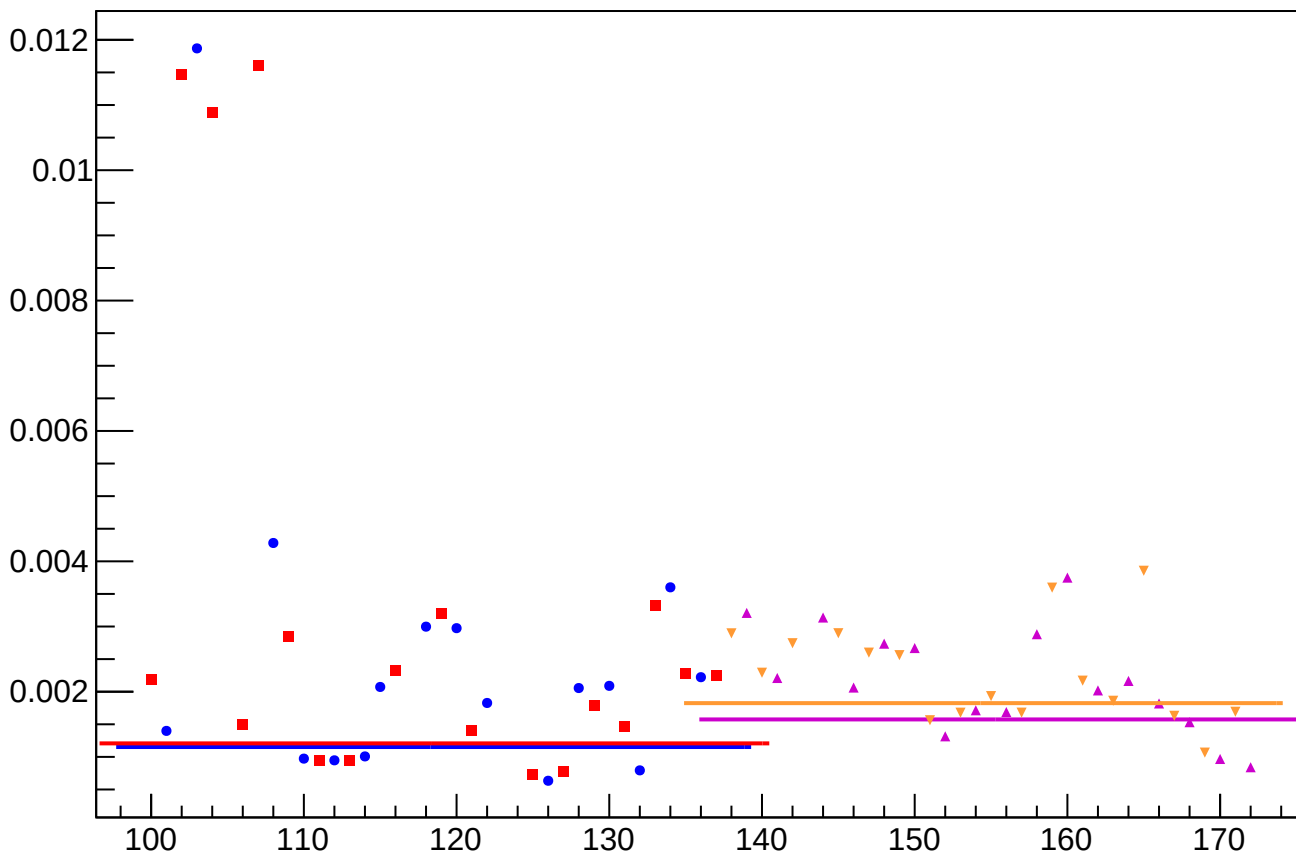
All: 48.132+/-0.006 χ^2/NDF : 8062710.8/67

- sign 48.673+/-0.009 χ^2/NDF : 4156582.5/34

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF :2522059.3/16

Right Out: 0.001+/-0.000 χ^2/NDF : 4521920.0/17

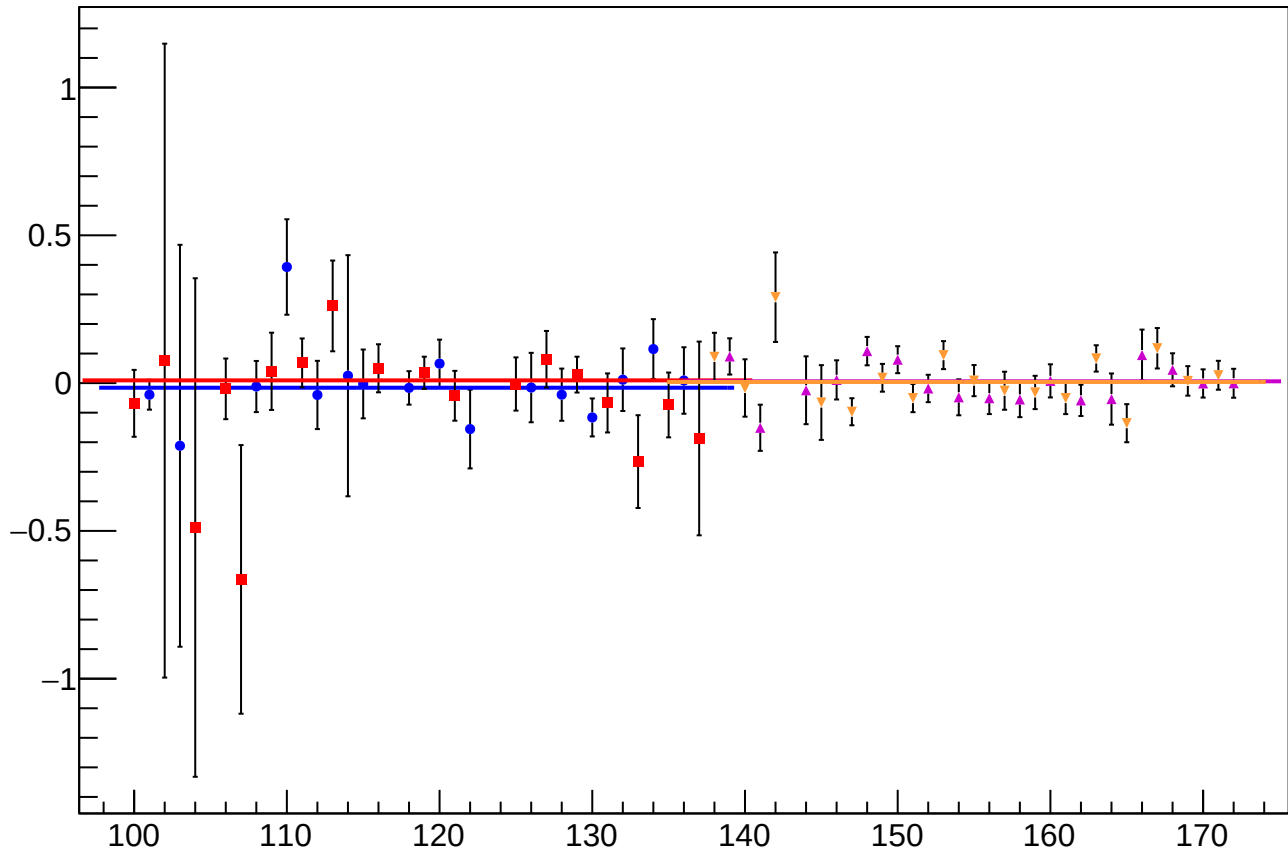
Left In: 0.002+/-0.000 χ^2/NDF :4379029.1/16

+ sign 0.001+/-0.000 χ^2/NDF : 8339461.0/32

All: 0.001+/-0.000 χ^2/NDF : 17770846.6/67

- sign 0.001+/-0.000 χ^2/NDF : 9410790.1/34

asym_usl_atl1_avg_eigen_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

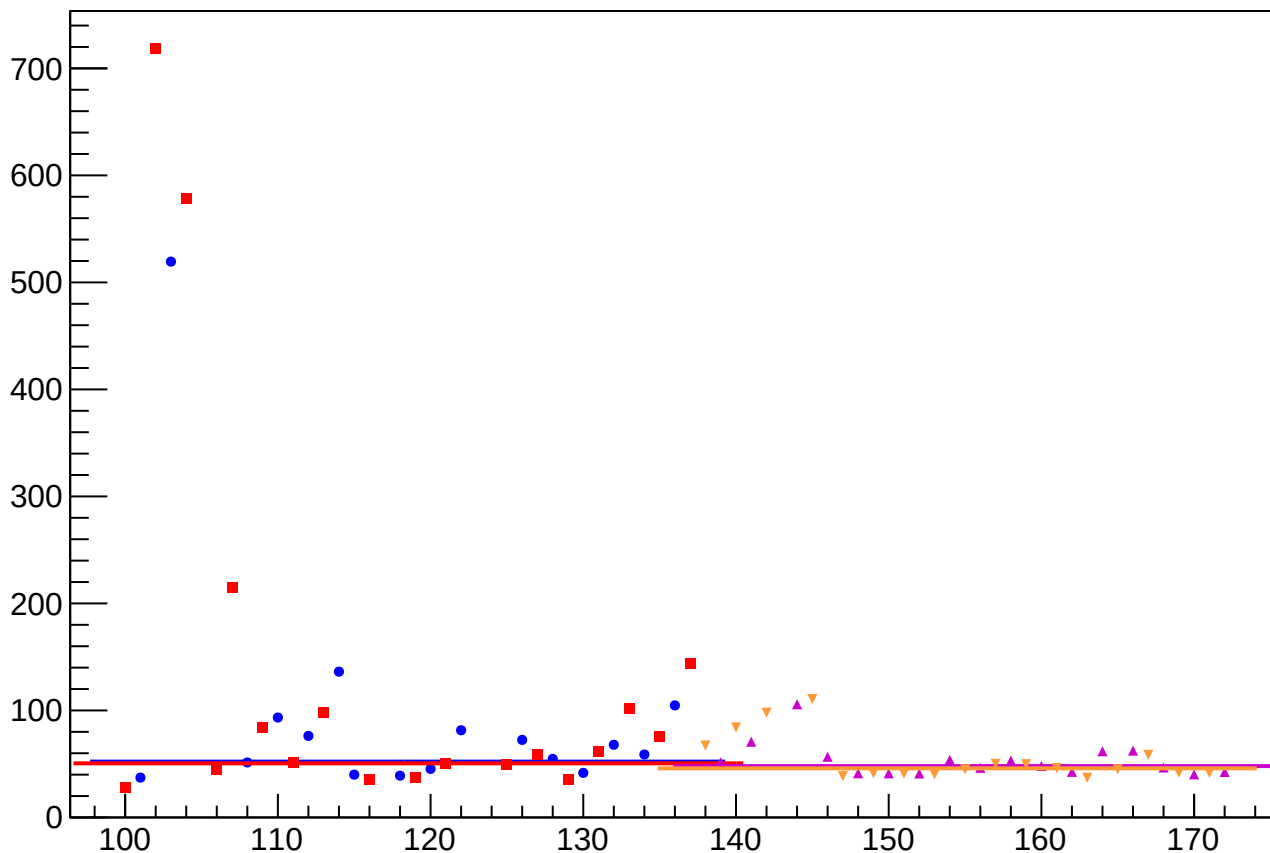
Left In: 0.006 ± 0.014 χ^2/NDF : 19.9/16

+ sign -0.001 ± 0.012 χ^2/NDF : 41.2/32

All: 0.003 ± 0.008 χ^2/NDF : 73.8/67

- sign 0.007 ± 0.012 χ^2/NDF : 32.4/34

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.191 $\pm$ 0.016 χ^2 /NDF: 2266922.0/15

Left Out: 45.895 $\pm$ 0.010 χ^2 /NDF: 1518702.9/16

Right Out: 50.582 $\pm$ 0.017 χ^2 /NDF: 3051364.2/17

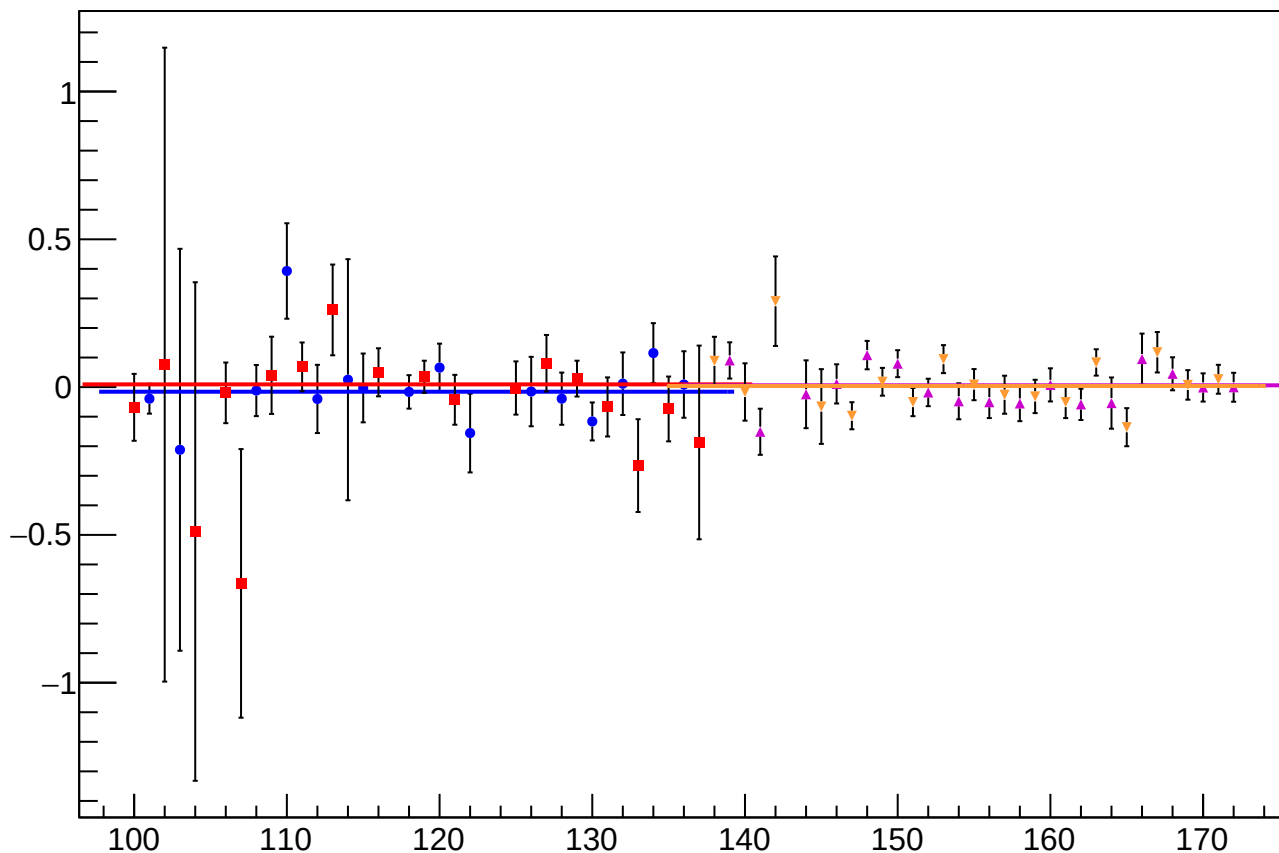
Left In: 48.004 $\pm$ 0.010 χ^2 /NDF: 1087535.3/16

+ sign 47.609 $\pm$ 0.008 χ^2 /NDF: 3898121.6/32

All: 48.132 $\pm$ 0.006 χ^2 /NDF: 8062655.7/67

- sign 48.673 $\pm$ 0.009 χ^2 /NDF: 4156566.2/34

asym_usl_atl1_avg_eigen_dit_vs_eigen_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

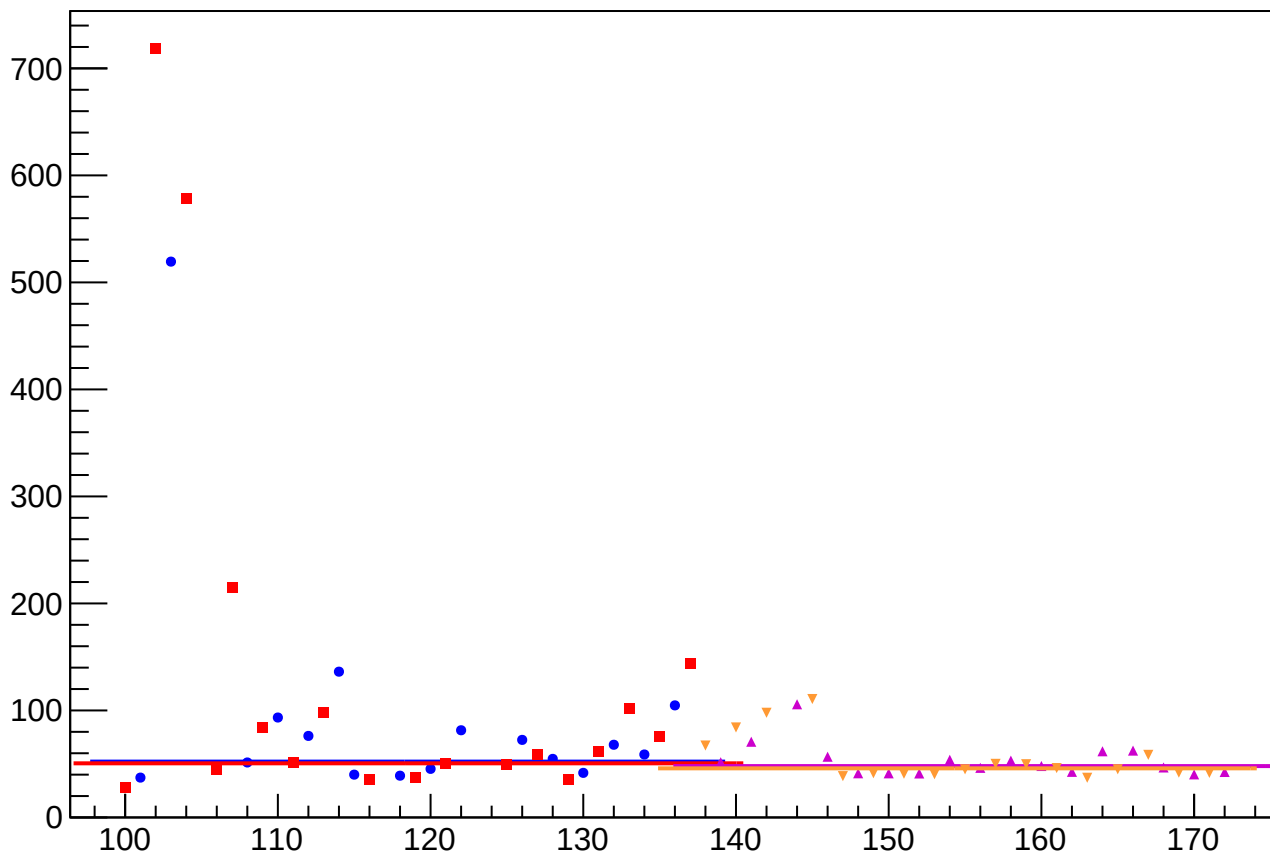
Left In: 0.006 ± 0.014 χ^2/NDF : 19.9/16

+ sign -0.001 ± 0.012 χ^2/NDF : 41.2/32

All: 0.003 ± 0.008 χ^2/NDF : 73.8/67

- sign 0.007 ± 0.012 χ^2/NDF : 32.4/34

asym_usl_atl1_avg_eigen_dit_vs_eigen_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

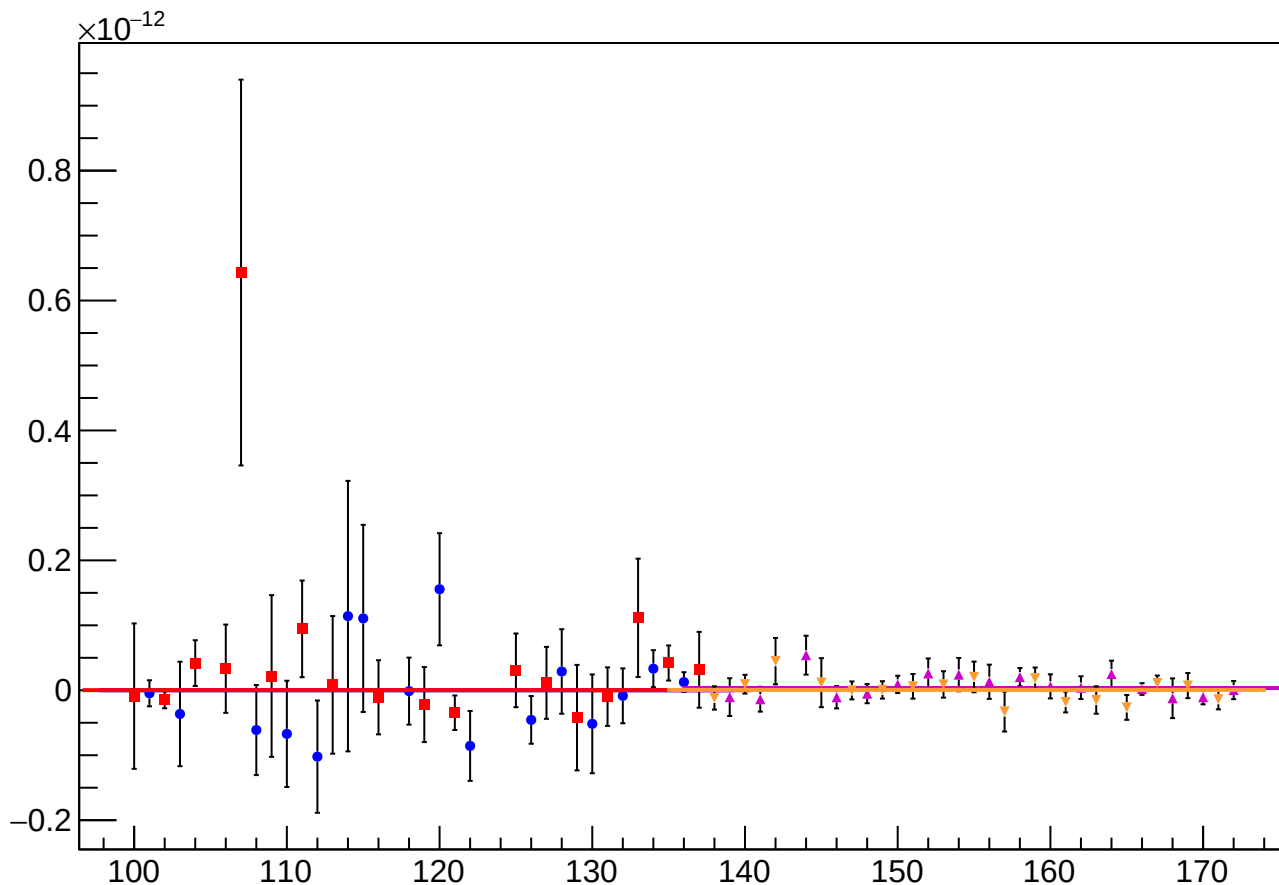
Left In: 48.004+/-0.010 χ^2/NDF : 1087535.3/16

+ sign 47.609+/-0.008 χ^2/NDF : 3898121.6/32

All: 48.132+/-0.006 χ^2/NDF : 8062655.7/67

- sign 48.673+/-0.009 χ^2/NDF : 4156566.2/34

asym_usl_atl1_avg_eigen_cor_vs_cor_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 : 11.4/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.0/17

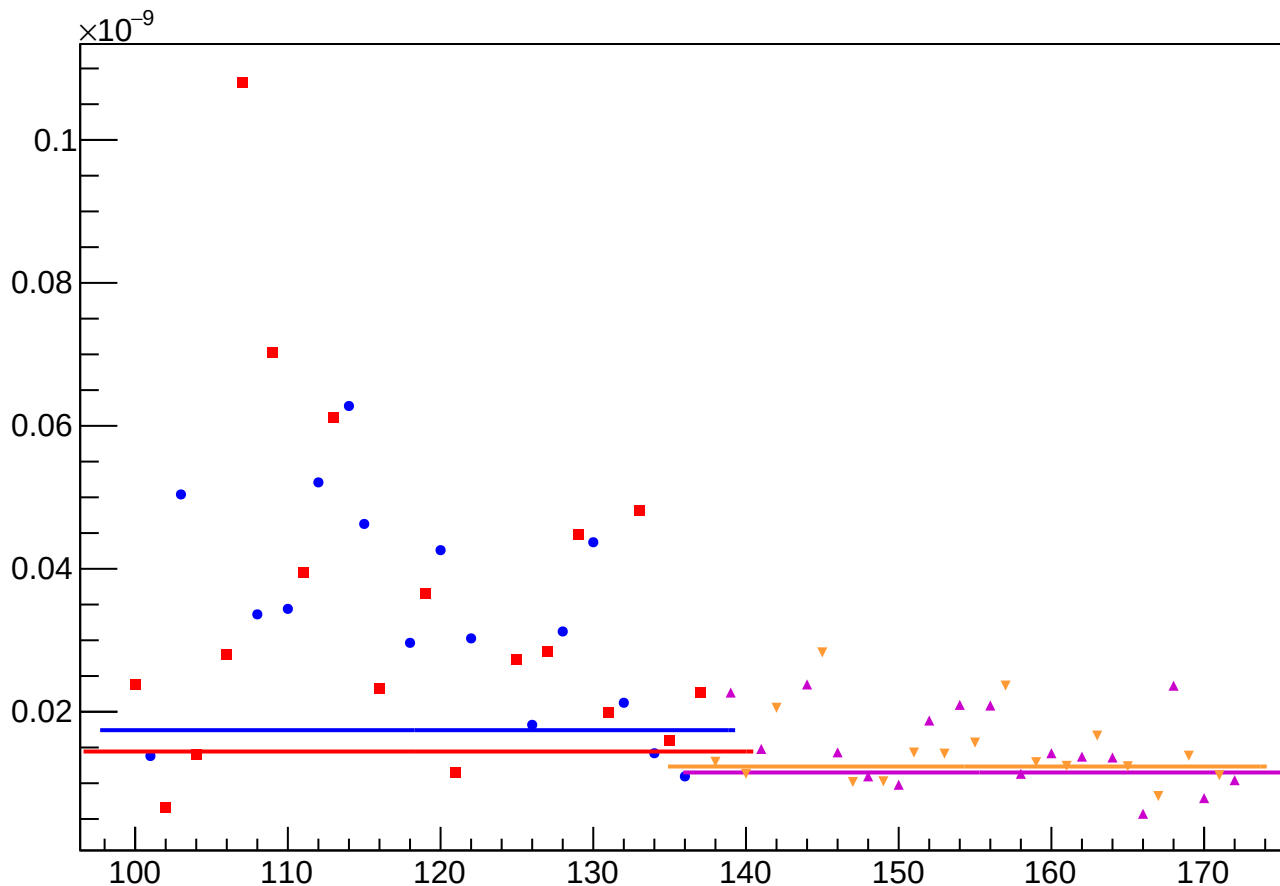
Left In: 0.000 ± 0.000 χ^2/NDF : 11.4/16

+ sign 0.000 ± 0.000 χ^2/NDF : 25.5/32

All: 0.000 ± 0.000 χ^2/NDF : 53.2/67

- sign 0.000 ± 0.000 χ^2/NDF : 27.5/34

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2224531.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1286715.5/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3261103.3/17

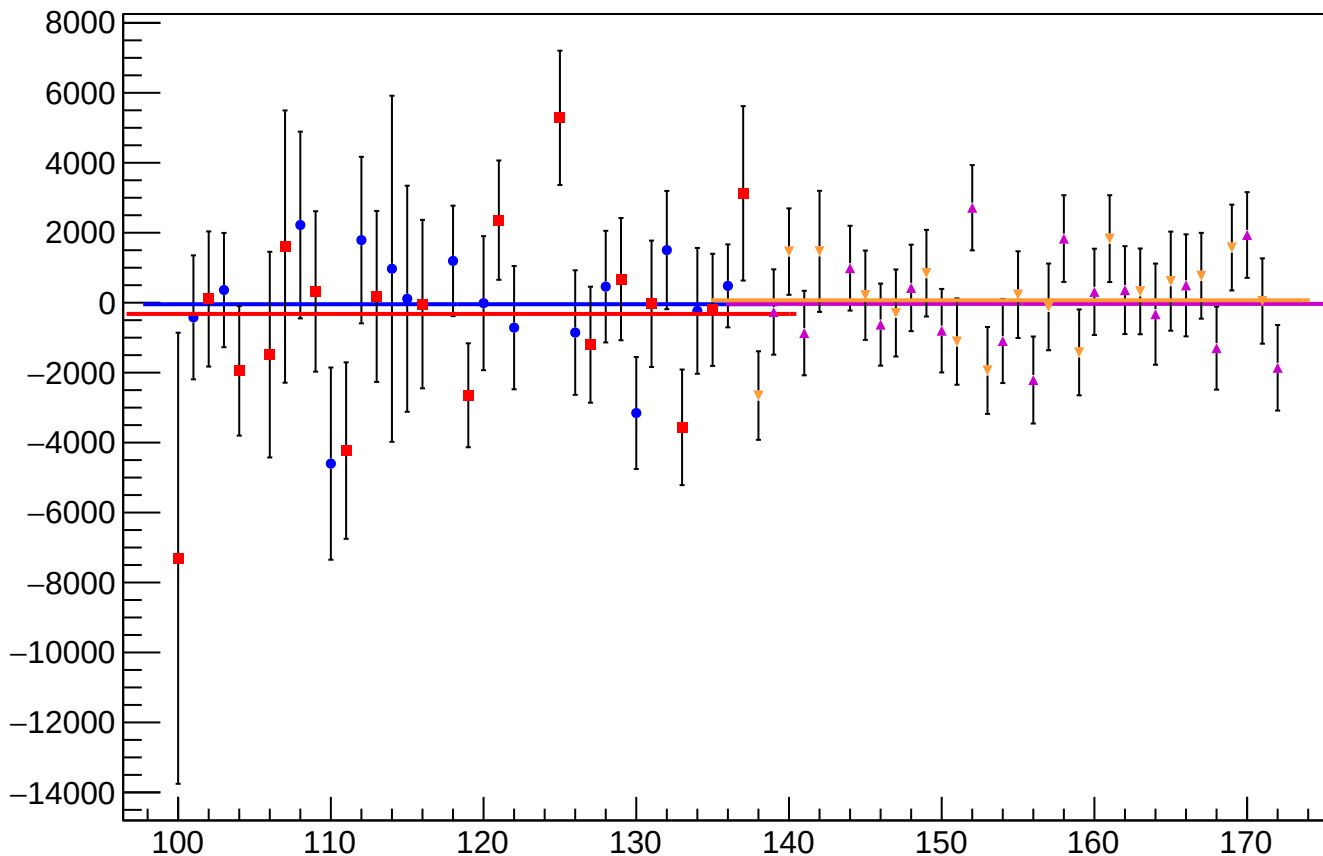
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2970359.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3996923.3/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10514798.5/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6411180.6/34

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

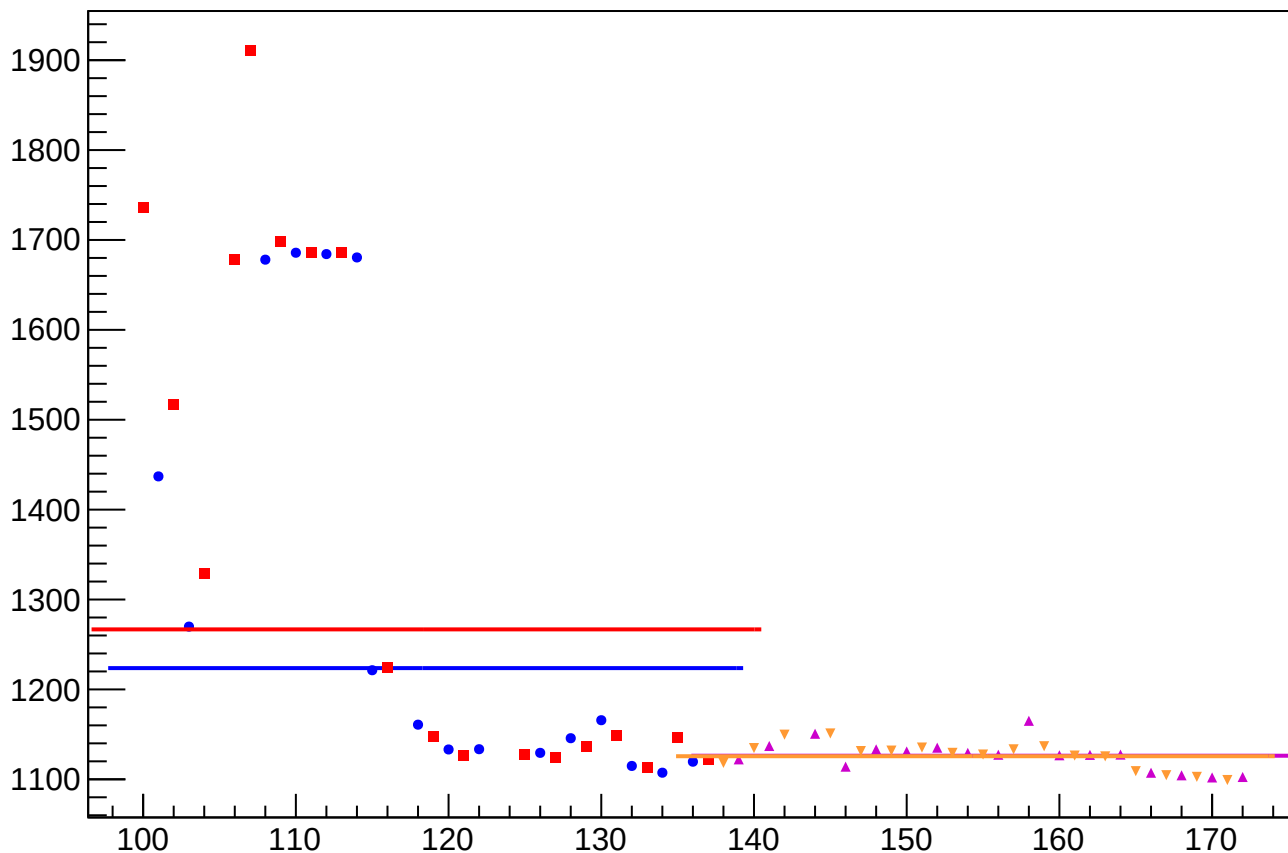
Left In: -34.279 ± 300.653 χ^2/NDF : 19.5/16

+ sign 33.942 ± 255.239 χ^2/NDF : 26.3/32

All: -41.576 ± 180.053 χ^2/NDF : 71.0/67

- sign -116.383 ± 254.032 χ^2/NDF : 44.6/34

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 ± 0.325 $\chi^2/\text{NDF}: 294966.1/15$

Left Out: 1125.679 ± 0.217 $\chi^2/\text{NDF}: 4337.7/16$

Right Out: 1266.780 ± 0.336 $\chi^2/\text{NDF}: 432845.4/17$

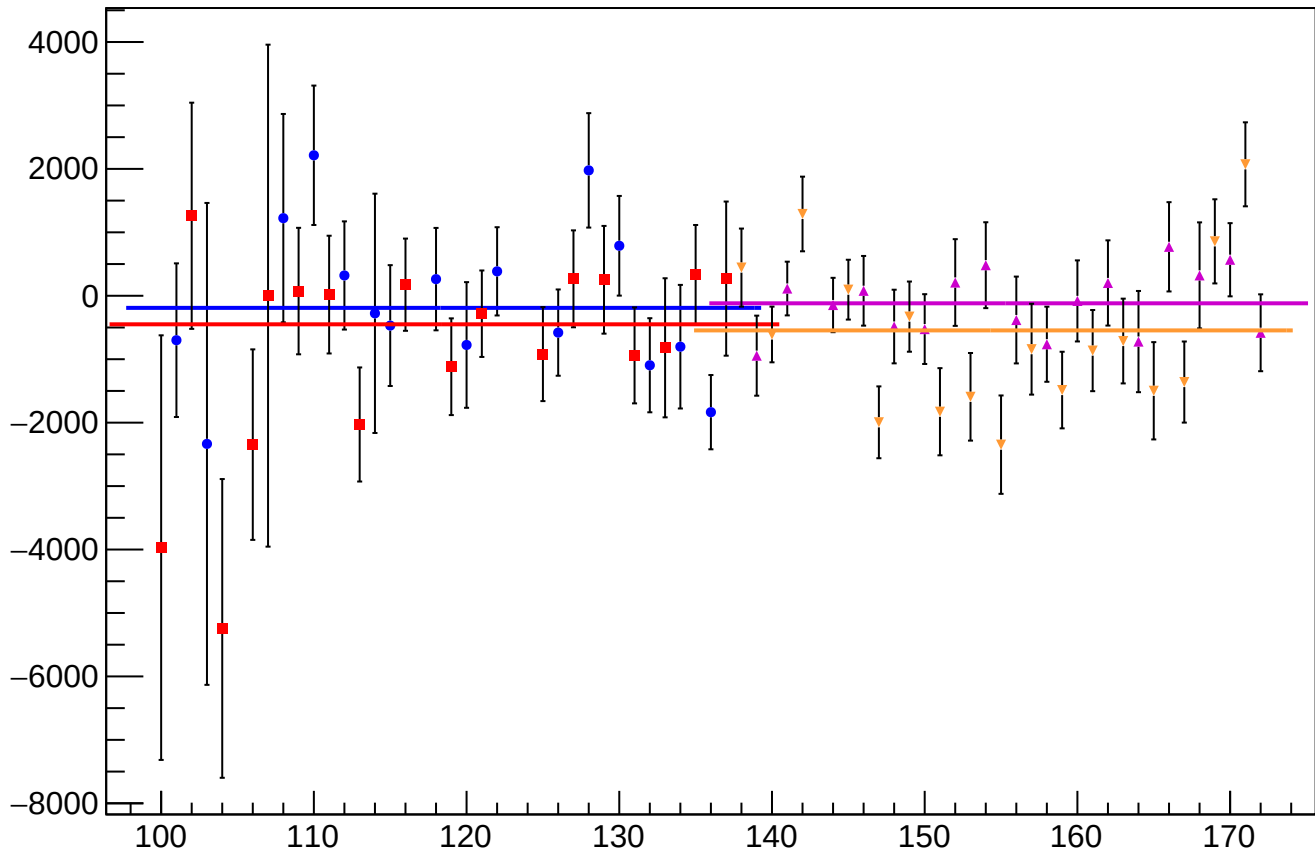
Left In: 1126.241 ± 0.213 $\chi^2/\text{NDF}: 5932.5/16$

+ sign 1155.961 ± 0.180 $\chi^2/\text{NDF}: 362283.0/32$

All: 1161.229 ± 0.127 $\chi^2/\text{NDF}: 927780.3/67$

- sign 1166.447 ± 0.180 $\chi^2/\text{NDF}: 563801.5/34$

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -190.634 $\pm$ 222.869 χ^2/NDF : 25.2/15

Left Out: -545.906 $\pm$ 148.136 χ^2/NDF : 58.3/16

Right Out: -449.847 $\pm$ 223.203 χ^2/NDF : 16.8/17

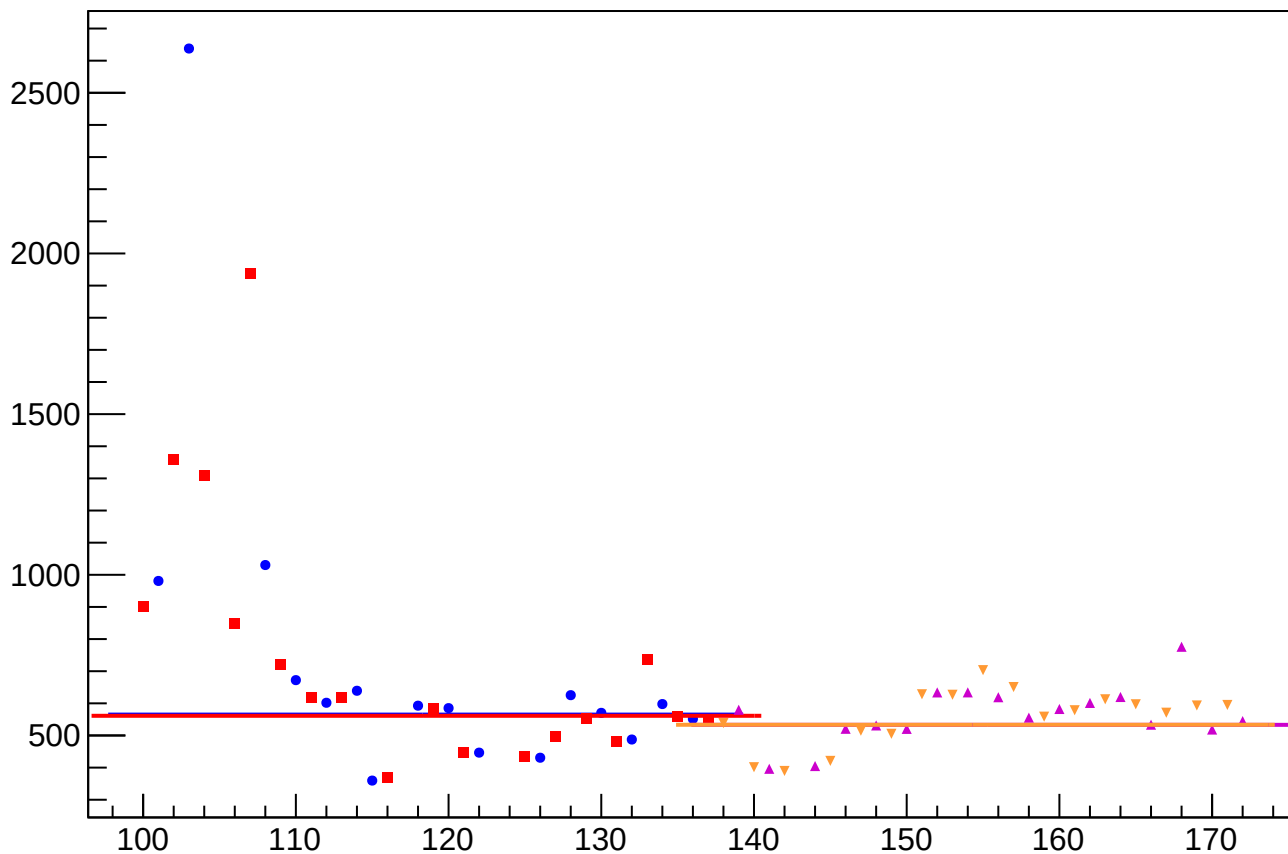
Left In: -118.839 $\pm$ 144.551 χ^2/NDF : 10.1/16

+ sign -437.043 $\pm$ 123.370 χ^2/NDF : 85.3/32

All: -325.008 $\pm$ 86.505 χ^2/NDF : 115.4/67

- sign -216.647 $\pm$ 121.330 χ^2/NDF : 28.5/34

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 564.959 $\pm$ 0.158 χ^2 /NDF: 1284478.9/15

Left Out: 533.316 $\pm$ 0.105 χ^2 /NDF: 742475.3/16

Right Out: 561.243 $\pm$ 0.158 χ^2 /NDF: 1352239.3/17

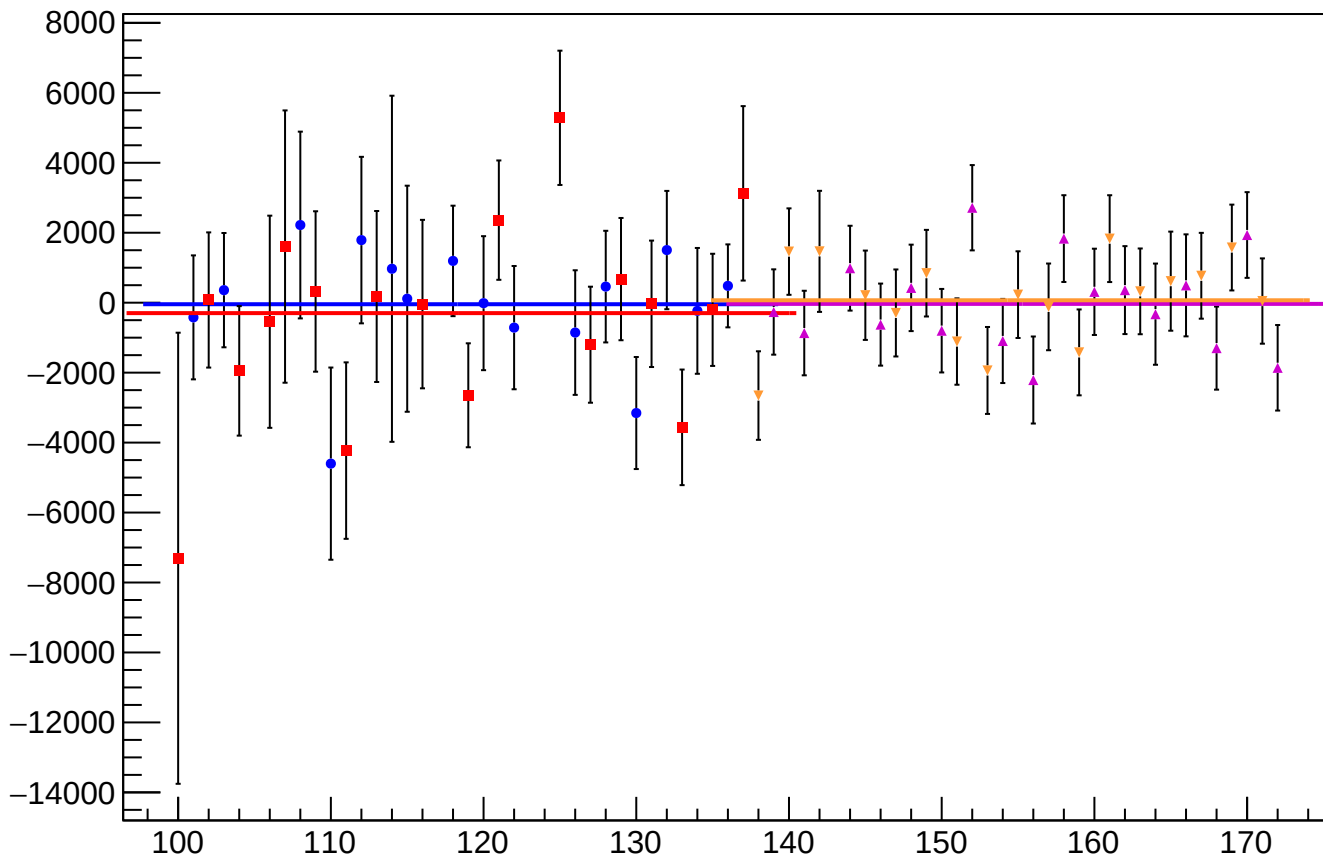
Left In: 533.060 $\pm$ 0.102 χ^2 /NDF: 750921.2/16

+ sign 543.012 $\pm$ 0.087 χ^2 /NDF: 2054916.7/32

All: 542.186 $\pm$ 0.061 χ^2 /NDF: 4180717.6/67

- sign 541.388 $\pm$ 0.086 χ^2 /NDF: 2125624.7/34

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

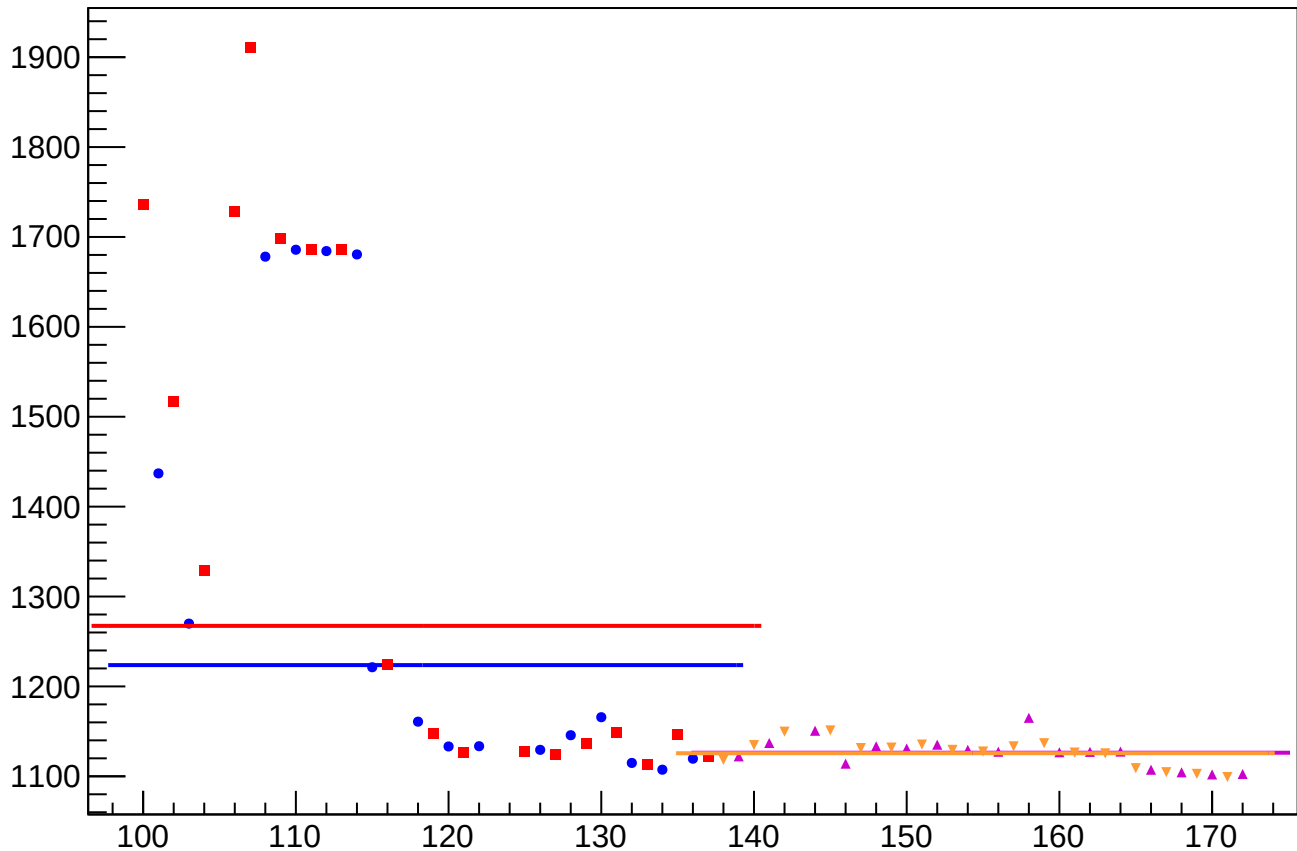
Left In: -34.303 ± 300.653 χ^2/NDF : 19.5/16

+ sign 33.887 ± 255.239 χ^2/NDF : 26.3/32

All: -38.239 ± 180.073 χ^2/NDF : 70.8/67

- sign -109.718 ± 254.089 χ^2/NDF : 44.3/34

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1125.679 $\pm$ 0.217 χ^2 /NDF: 4337.7/16

Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

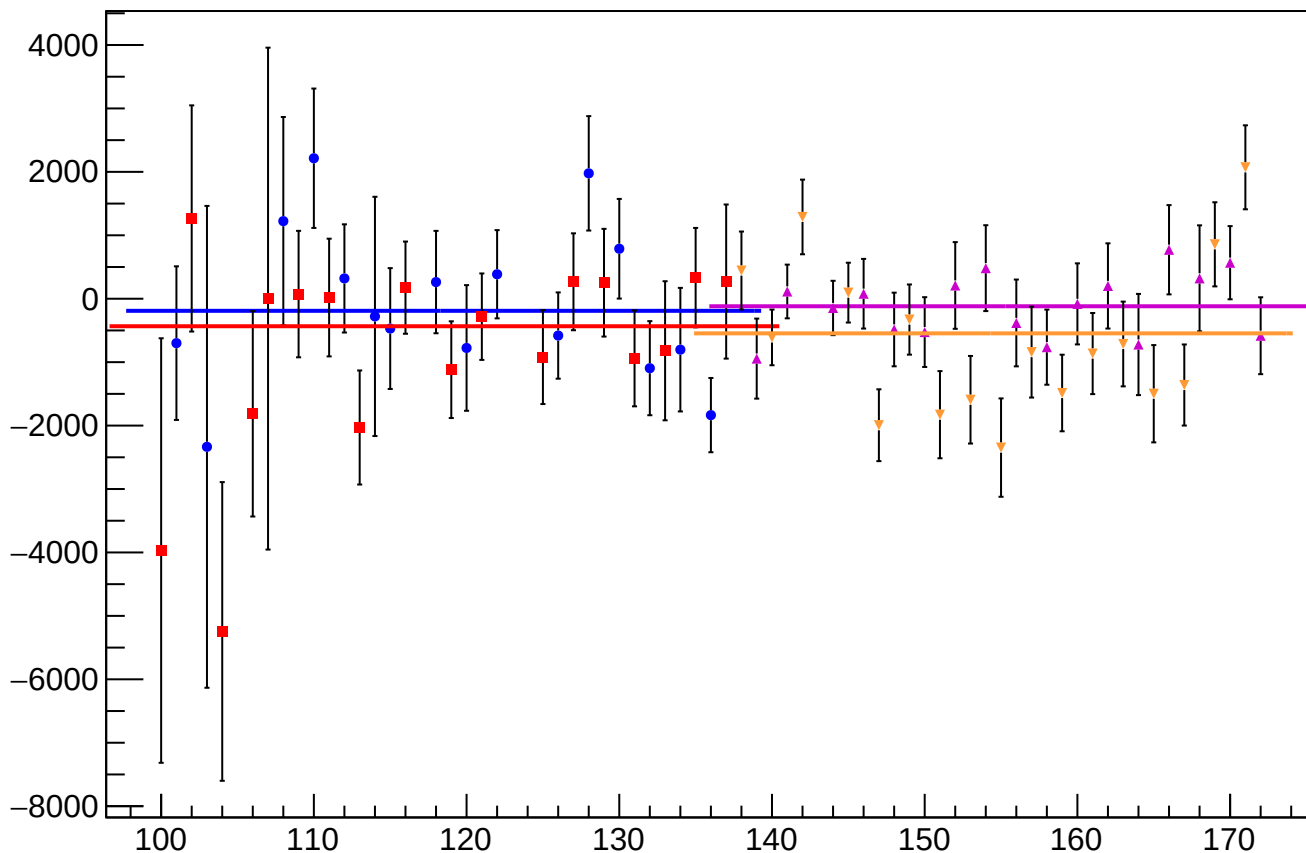
Left In: 1126.241 $\pm$ 0.213 χ^2 /NDF: 5932.5/16

+ sign 1155.961 $\pm$ 0.180 χ^2 /NDF: 362283.1/32

All: 1161.289 $\pm$ 0.127 χ^2 /NDF: 935854.4/67

- sign 1166.569 $\pm$ 0.180 χ^2 /NDF: 571836.5/34

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

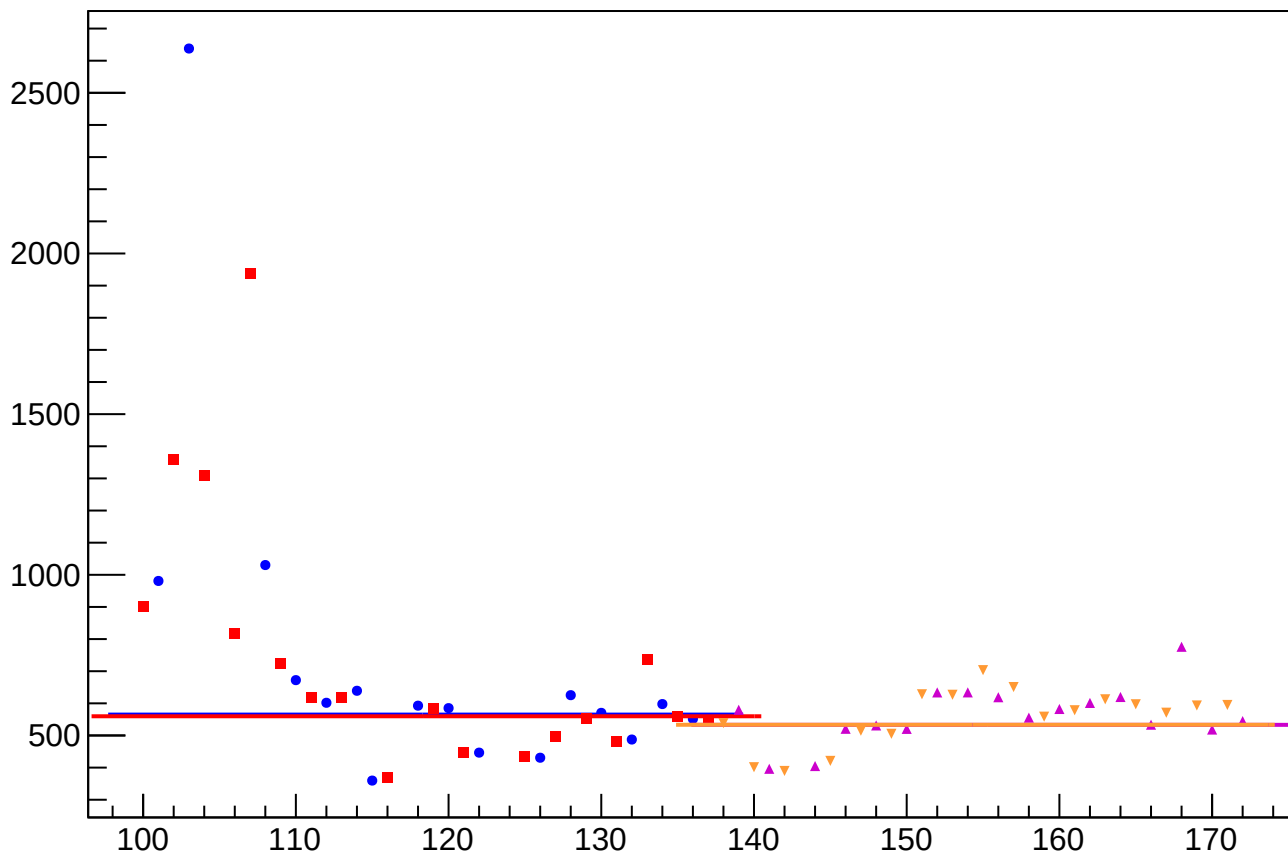
Left In: -118.841+/-144.551 χ^2/NDF : 10.1/16

+ sign -437.071+/-123.370 χ^2/NDF : 85.3/32

All: -322.572+/-86.525 χ^2/NDF : 114.4/67

- sign -211.727+/-121.385 χ^2/NDF : 27.5/34

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2 /NDF: 1284455.7/15

Left Out: 533.315 $\pm$ 0.105 χ^2 /NDF: 742461.0/16

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

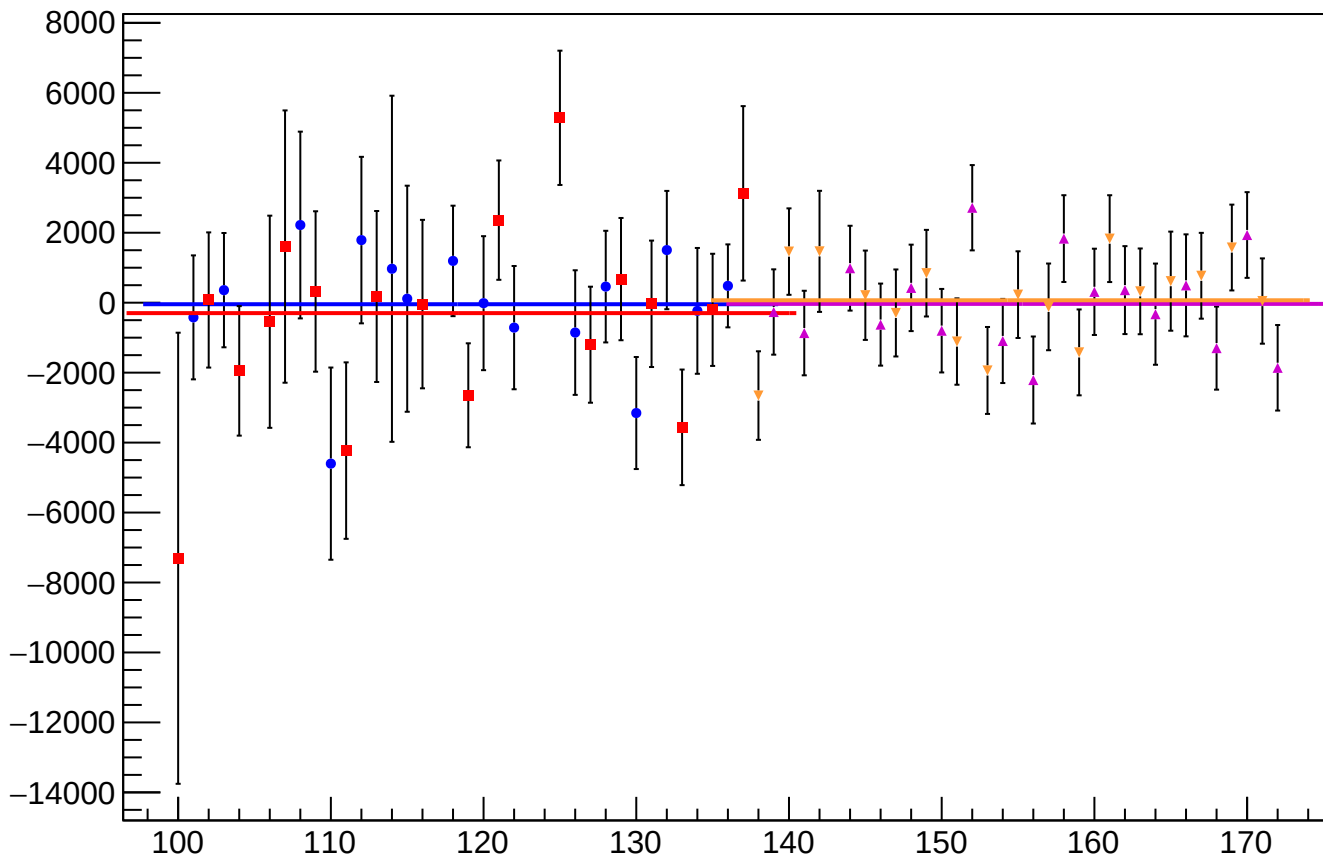
Left In: 533.060 $\pm$ 0.102 χ^2 /NDF: 750879.1/16

+ sign 543.010 $\pm$ 0.087 χ^2 /NDF: 2054873.1/32

All: 541.954 $\pm$ 0.061 χ^2 /NDF: 4155512.8/67

- sign 540.932 $\pm$ 0.086 χ^2 /NDF: 2100351.2/34

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -43.923 ± 459.222 $\chi^2/\text{NDF}: 10.1/15$

Left Out: 68.670 ± 307.032 $\chi^2/\text{NDF}: 16.1/16$

Right Out: -298.207 ± 475.315 $\chi^2/\text{NDF}: 24.6/17$

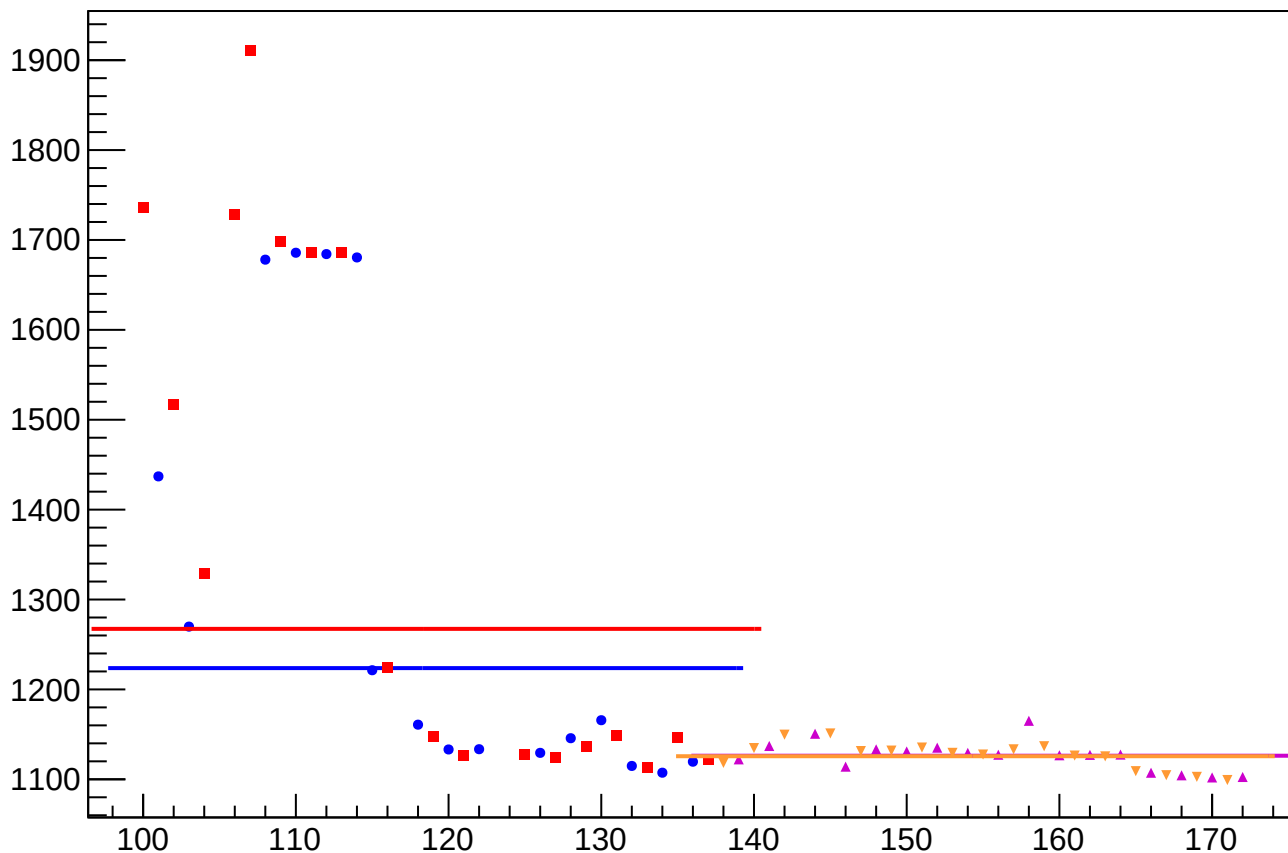
Left In: -34.303 ± 300.653 $\chi^2/\text{NDF}: 19.5/16$

+ sign 33.887 ± 255.239 $\chi^2/\text{NDF}: 26.3/32$

All: -38.239 ± 180.073 $\chi^2/\text{NDF}: 70.8/67$

- sign -109.718 ± 254.089 $\chi^2/\text{NDF}: 44.3/34$

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1223.705 $\pm$ 0.325 χ^2 /NDF: 294966.1/15

Left Out: 1125.679 $\pm$ 0.217 χ^2 /NDF: 4337.7/16

+ sign 1155.961 $\pm$ 0.180 χ^2 /NDF: 362283.1/32

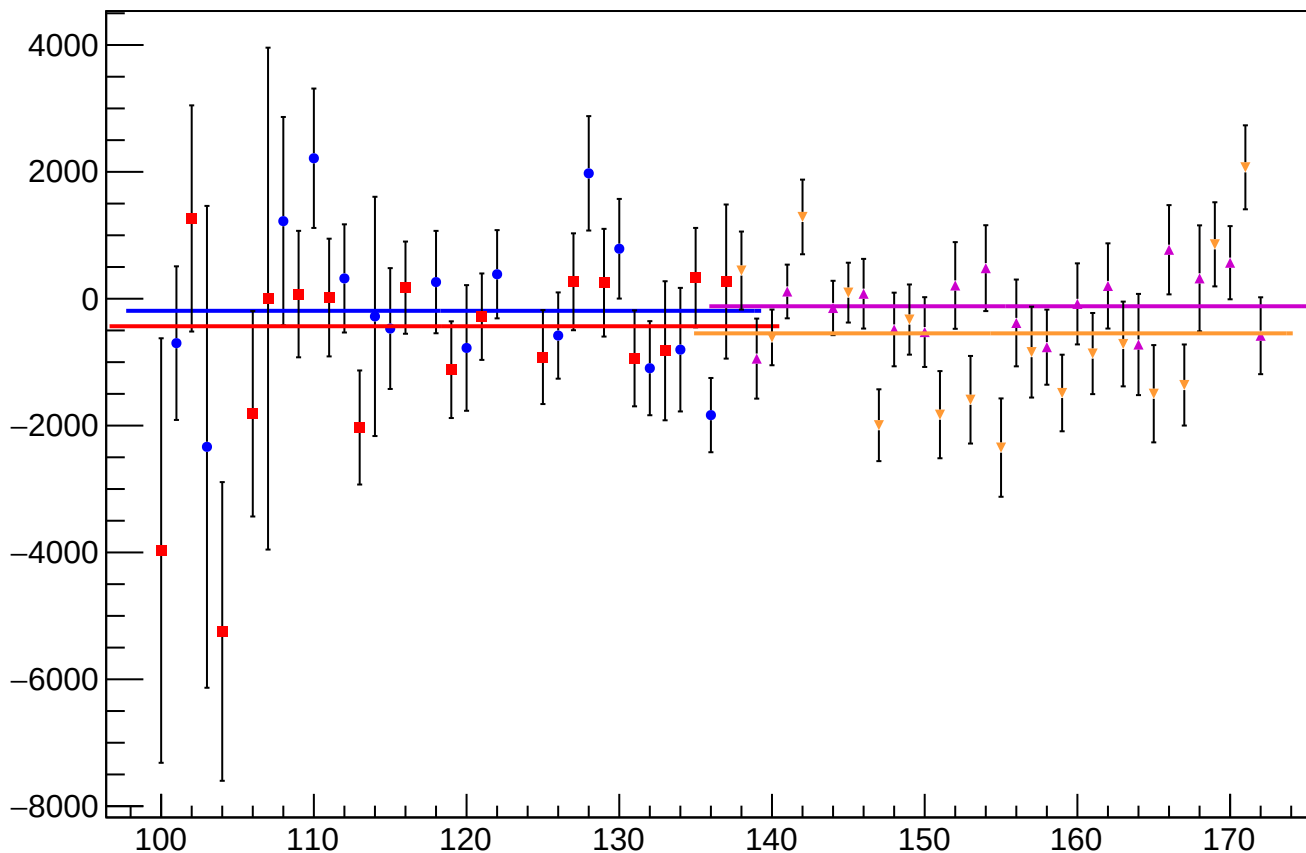
Right Out: 1267.363 $\pm$ 0.336 χ^2 /NDF: 439982.4/17

All: 1161.289 $\pm$ 0.127 χ^2 /NDF: 935854.4/67

Left In: 1126.241 $\pm$ 0.213 χ^2 /NDF: 5932.5/16

- sign 1166.569 $\pm$ 0.180 χ^2 /NDF: 571836.5/34

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -190.645 $\pm$ 222.867 χ^2 /NDF: 25.3/15

Left Out: -545.943 $\pm$ 148.136 χ^2 /NDF: 58.2/16

Right Out: -433.877 $\pm$ 223.547 χ^2 /NDF: 15.9/17

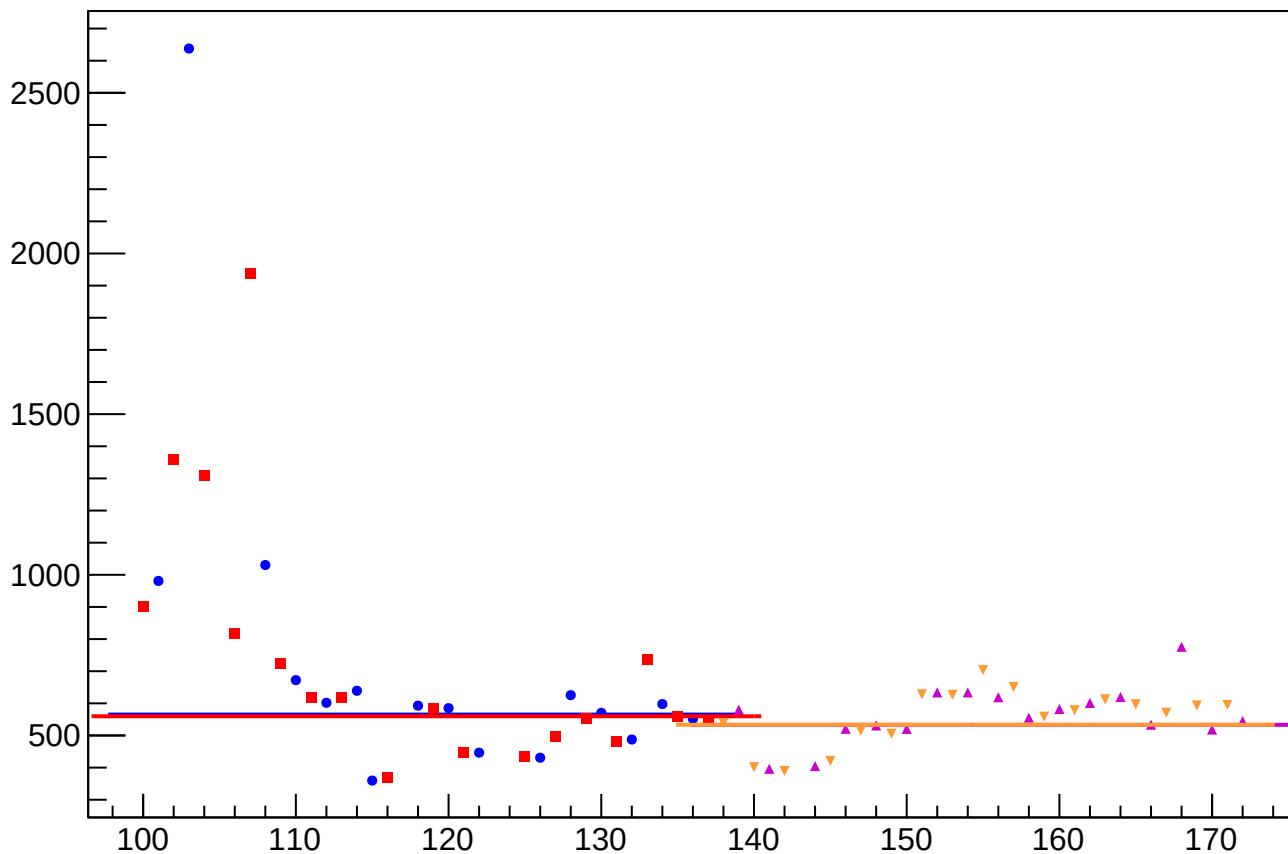
Left In: -118.841 $\pm$ 144.551 χ^2 /NDF: 10.1/16

+ sign -437.071 $\pm$ 123.370 χ^2 /NDF: 85.3/32

All: -322.572 $\pm$ 86.525 χ^2 /NDF: 114.4/67

- sign -211.727 $\pm$ 121.385 χ^2 /NDF: 27.5/34

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 564.954 $\pm$ 0.158 χ^2 /NDF: 1284455.7/15

Left Out: 533.315 $\pm$ 0.105 χ^2 /NDF: 742461.0/16

Right Out: 559.758 $\pm$ 0.158 χ^2 /NDF: 1329357.2/17

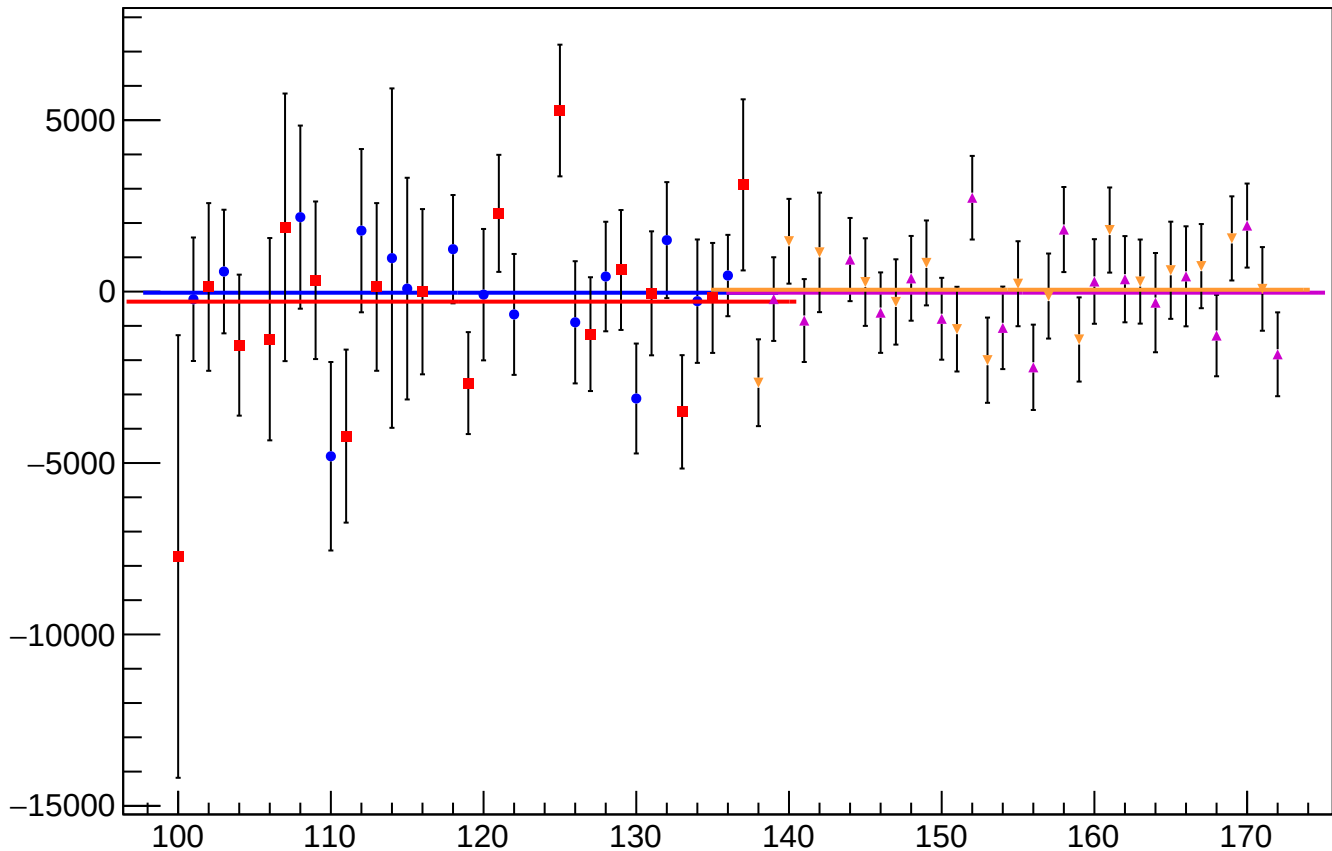
Left In: 533.060 $\pm$ 0.102 χ^2 /NDF: 750879.1/16

+ sign 543.010 $\pm$ 0.087 χ^2 /NDF: 2054873.1/32

All: 541.954 $\pm$ 0.061 χ^2 /NDF: 4155512.8/67

- sign 540.932 $\pm$ 0.086 χ^2 /NDF: 2100351.2/34

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

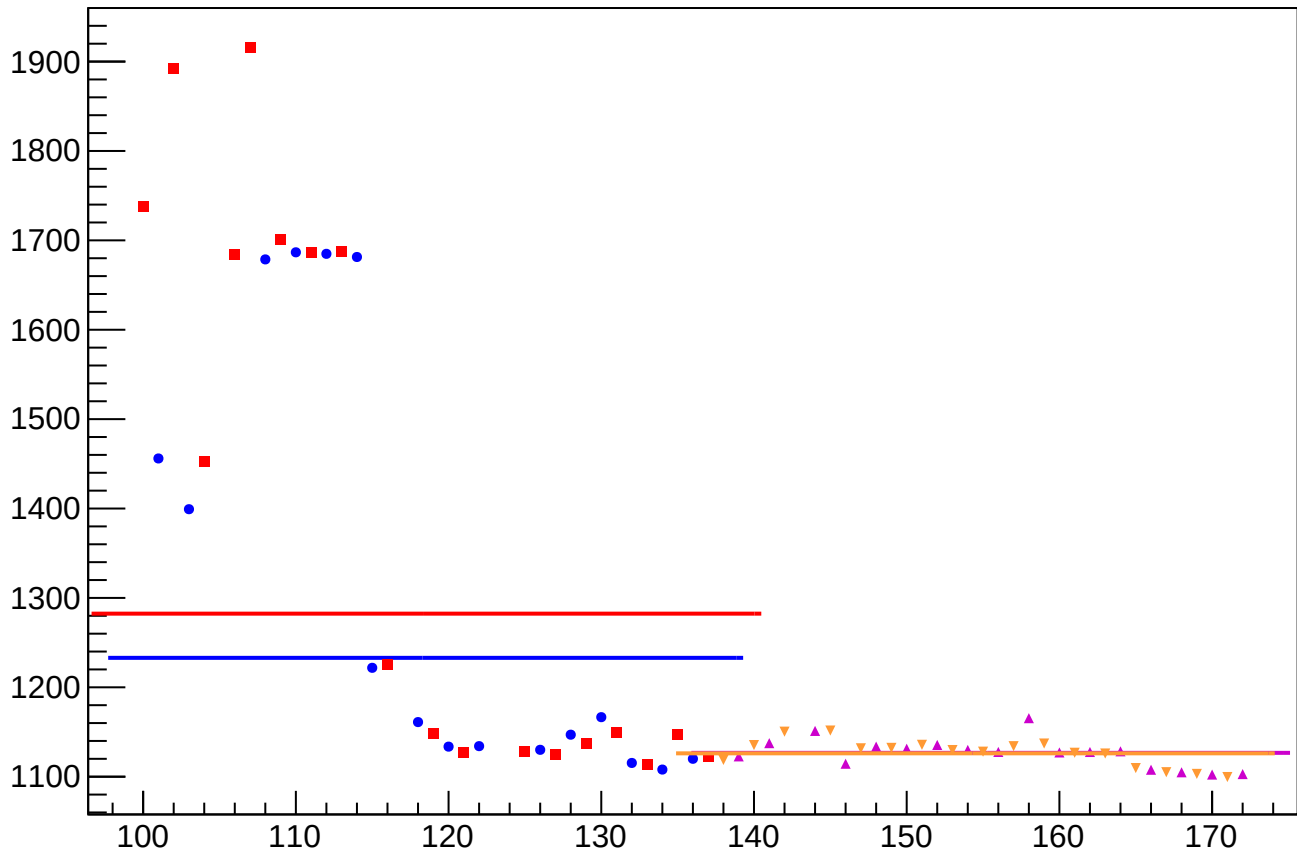
Left In: -31.637 ± 300.771 χ^2/NDF : 19.2/16

+ sign 27.190 ± 256.027 χ^2/NDF : 26.1/32

All: -38.853 ± 180.830 χ^2/NDF : 69.8/67

- sign -104.592 ± 255.439 χ^2/NDF : 43.6/34

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965 $\pm$ 0.328 χ^2 /NDF: 315470.6/15

Left Out: 1126.136 $\pm$ 0.217 χ^2 /NDF: 4346.3/16

Right Out: 1282.407 $\pm$ 0.342 χ^2 /NDF: 543403.8/17

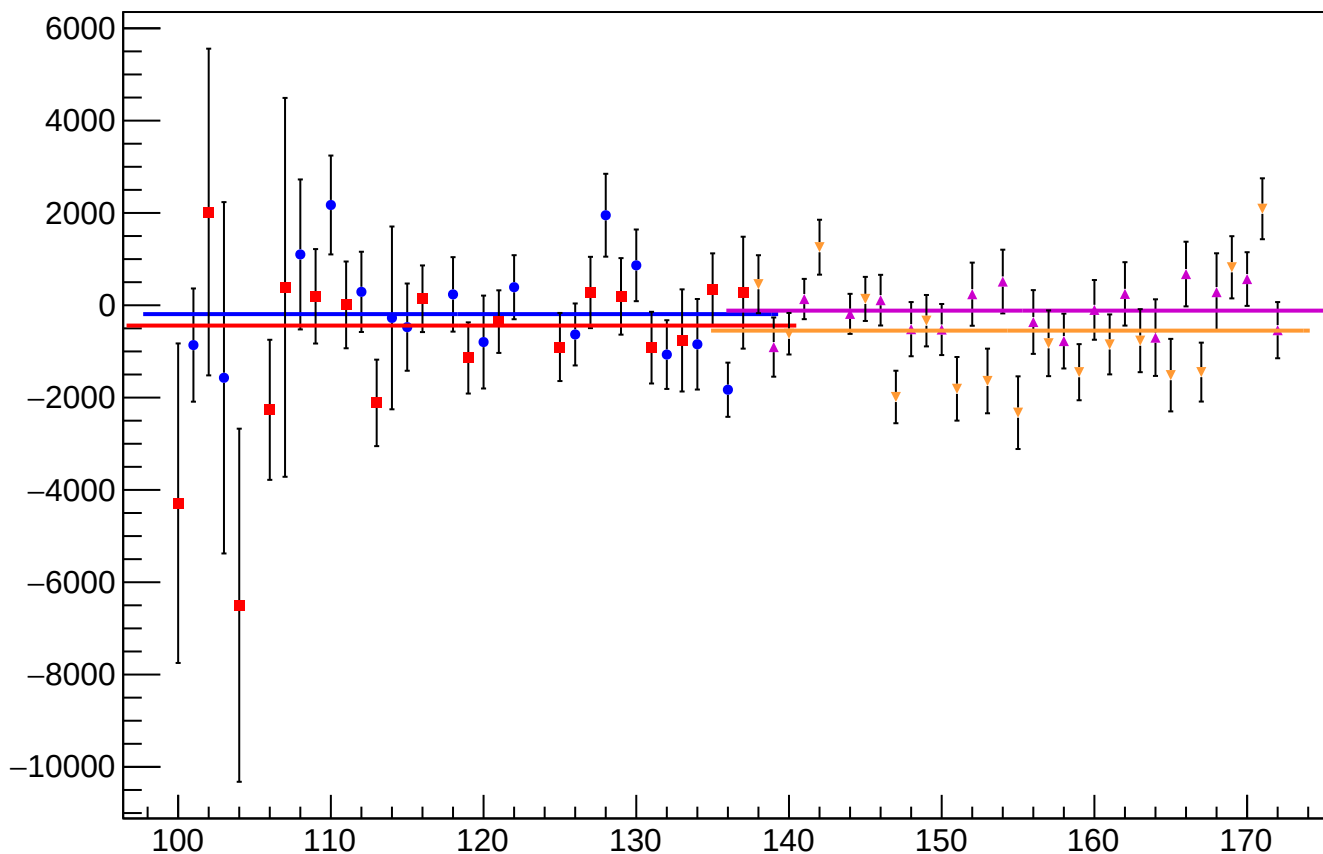
Left In: 1126.680 $\pm$ 0.213 χ^2 /NDF: 5936.1/16

+ sign 1158.772 $\pm$ 0.181 χ^2 /NDF: 393695.0/32

All: 1164.441 $\pm$ 0.128 χ^2 /NDF: 1094429.8/67

- sign 1170.085 $\pm$ 0.181 χ^2 /NDF: 698778.0/34

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

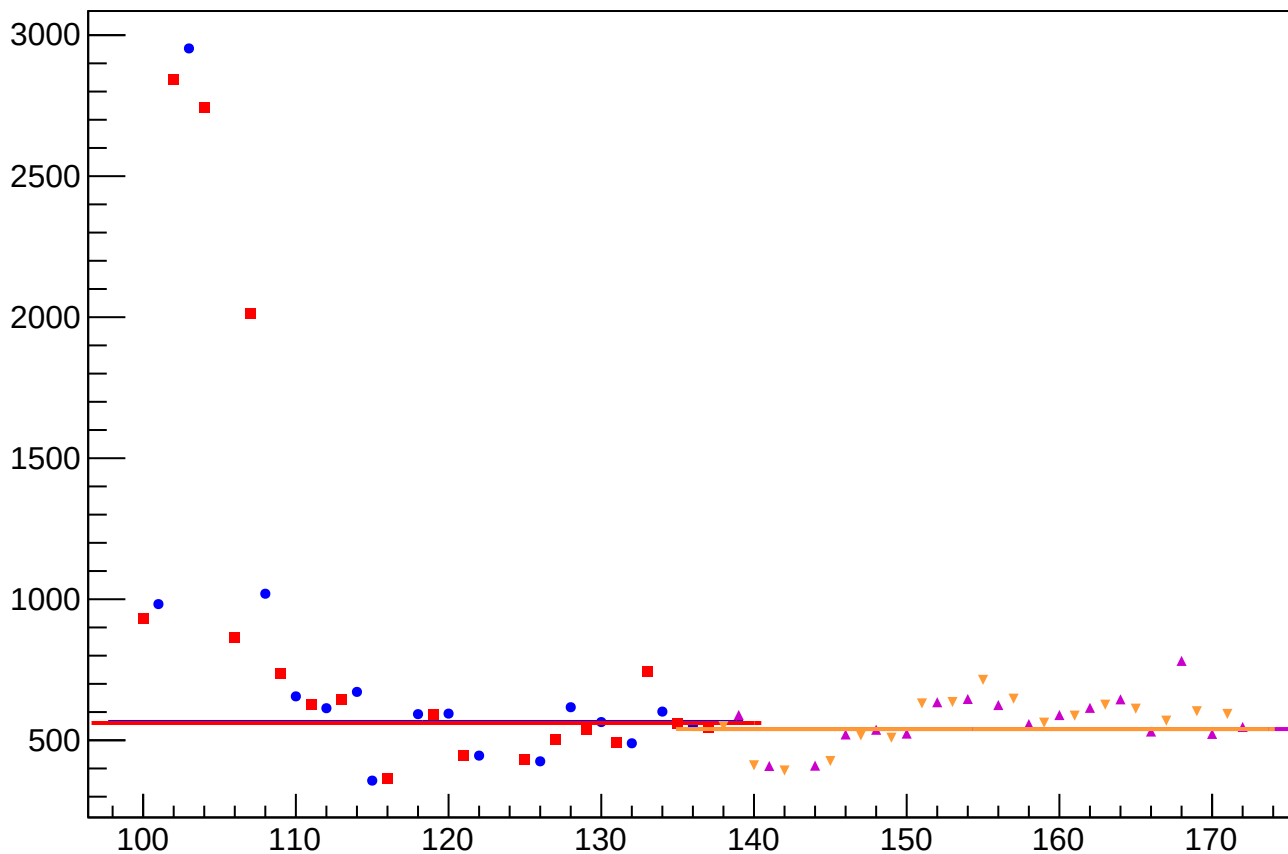
Left In: -116.001 ± 146.281 χ^2/NDF : 9.7/16

+ sign -437.742 ± 124.331 χ^2/NDF : 84.6/32

All: -323.153 ± 87.404 χ^2/NDF : 112.1/67

- sign -211.191 ± 122.898 χ^2/NDF : 25.8/34

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

+ sign 547.607+/-0.088 χ^2/NDF : 2219370.9/32

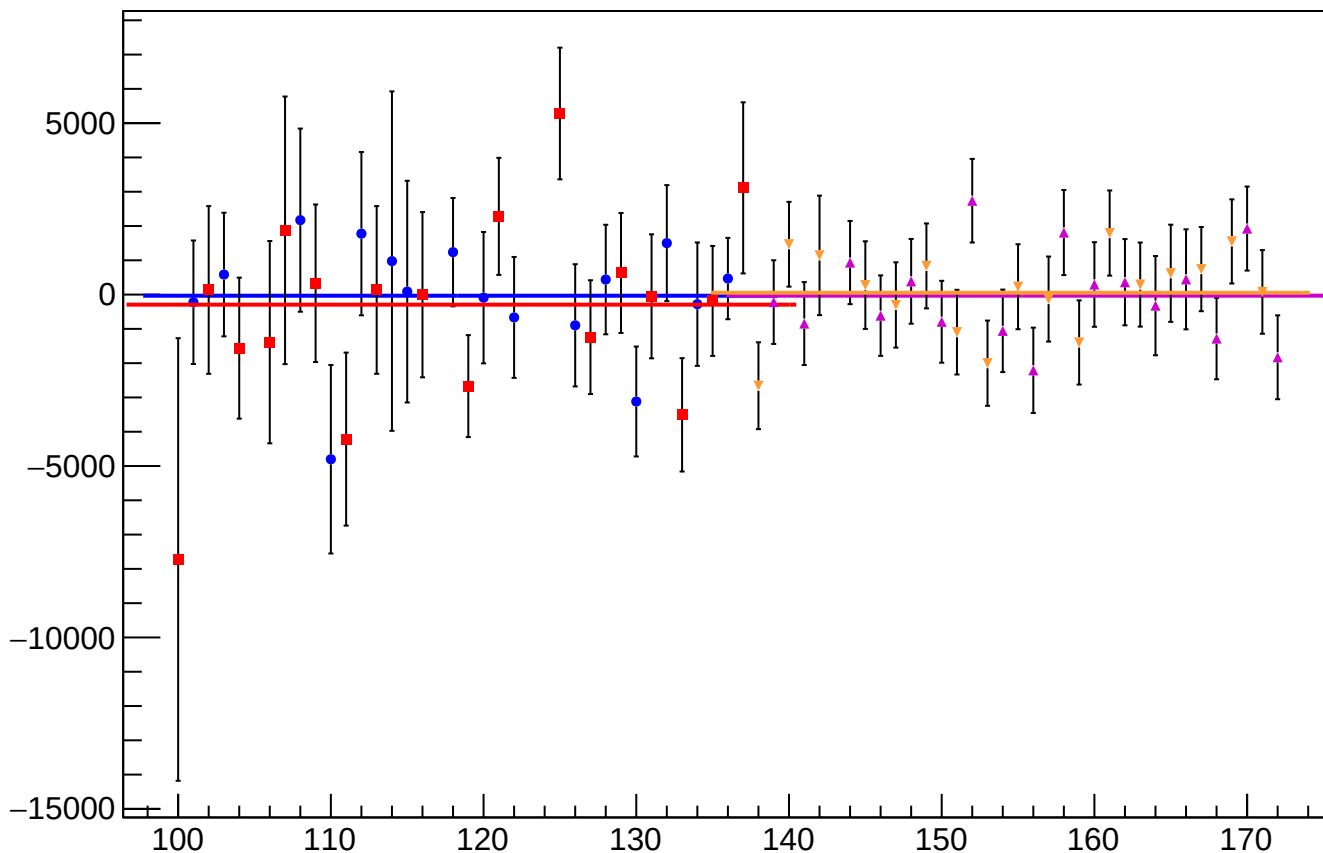
Right Out: 561.273+/-0.160 χ^2/NDF : 2273371.7/17

All: 546.857+/-0.062 χ^2/NDF : 5234993.1/67

Left In: 539.811+/-0.103 χ^2/NDF : 729443.0/16

- sign 546.124+/-0.087 χ^2/NDF : 3015478.3/34

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

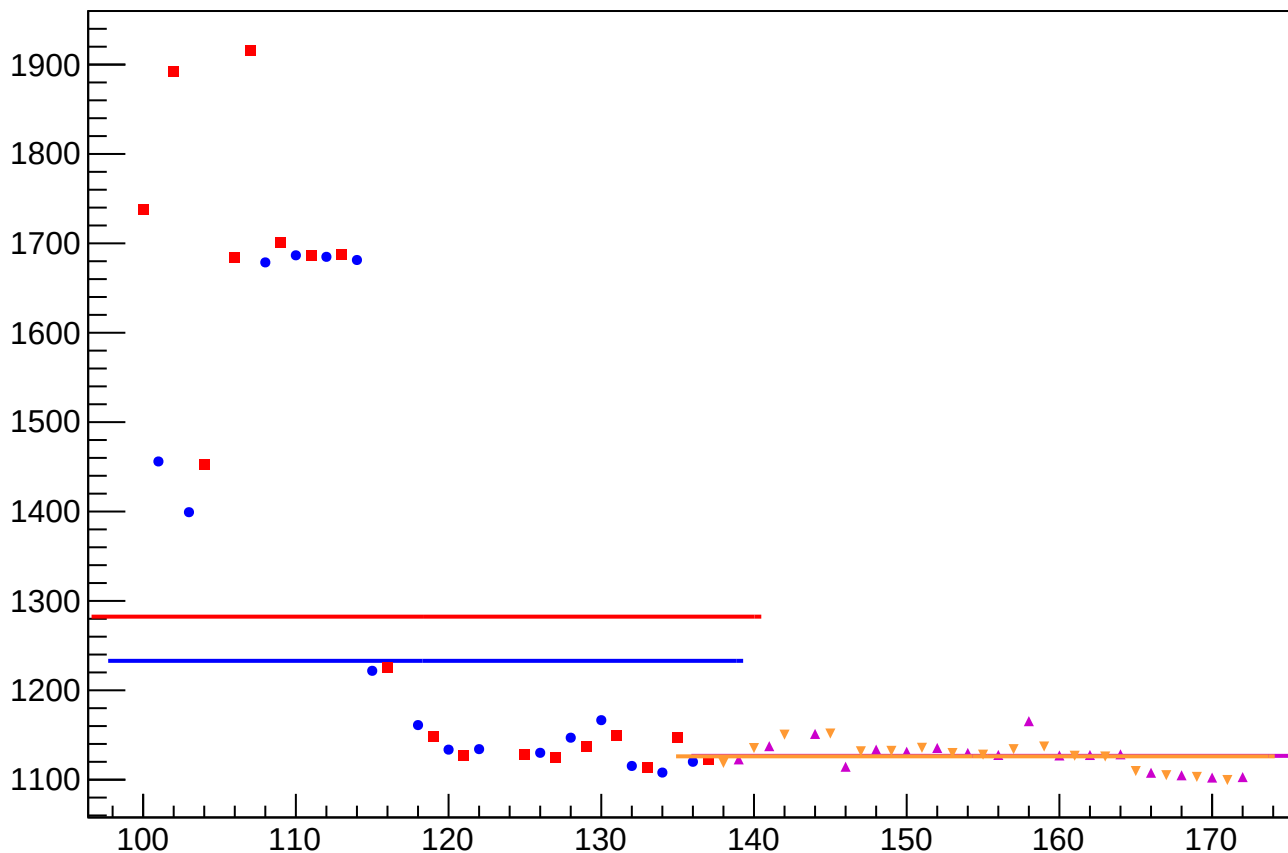
Left In: -31.638 ± 300.771 χ^2/NDF : 19.2/16

+ sign 27.188 ± 256.027 χ^2/NDF : 26.1/32

All: -38.854 ± 180.830 χ^2/NDF : 69.8/67

- sign -104.593 ± 255.439 χ^2/NDF : 43.6/34

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1232.965 $\pm$ 0.328 χ^2 /NDF: 315470.2/15

Left Out: 1126.136 $\pm$ 0.217 χ^2 /NDF: 4346.3/16

Right Out: 1282.407 $\pm$ 0.342 χ^2 /NDF: 543403.2/17

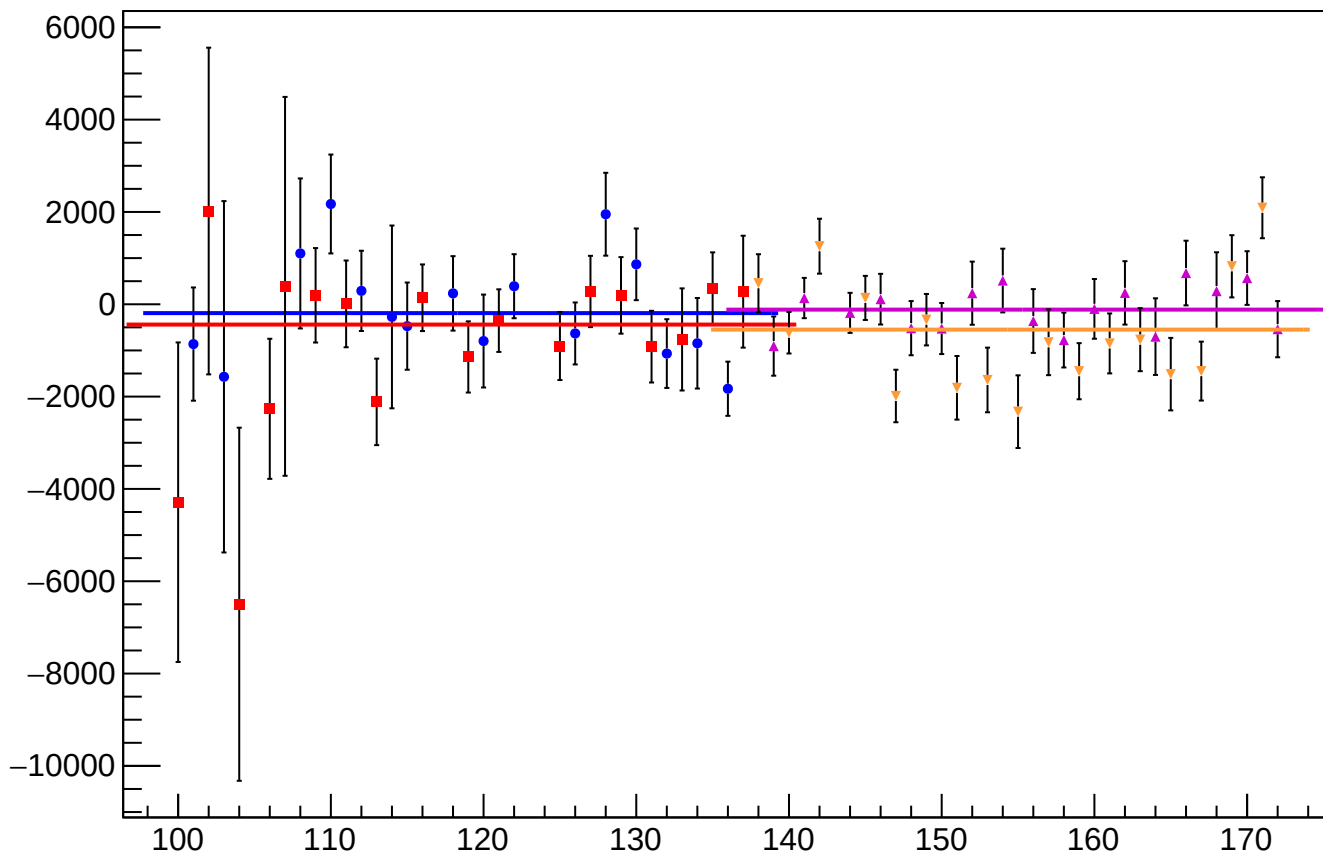
Left In: 1126.680 $\pm$ 0.213 χ^2 /NDF: 5936.1/16

+ sign 1158.772 $\pm$ 0.181 χ^2 /NDF: 393694.5/32

All: 1164.441 $\pm$ 0.128 χ^2 /NDF: 1094428.6/67

- sign 1170.085 $\pm$ 0.181 χ^2 /NDF: 698777.3/34

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -191.527 $\pm$ 222.763 χ^2 /NDF: 25.3/15

Left Out: -549.141 $\pm$ 149.841 χ^2 /NDF: 57.6/16

Right Out: -439.611 $\pm$ 226.600 χ^2 /NDF: 14.6/17

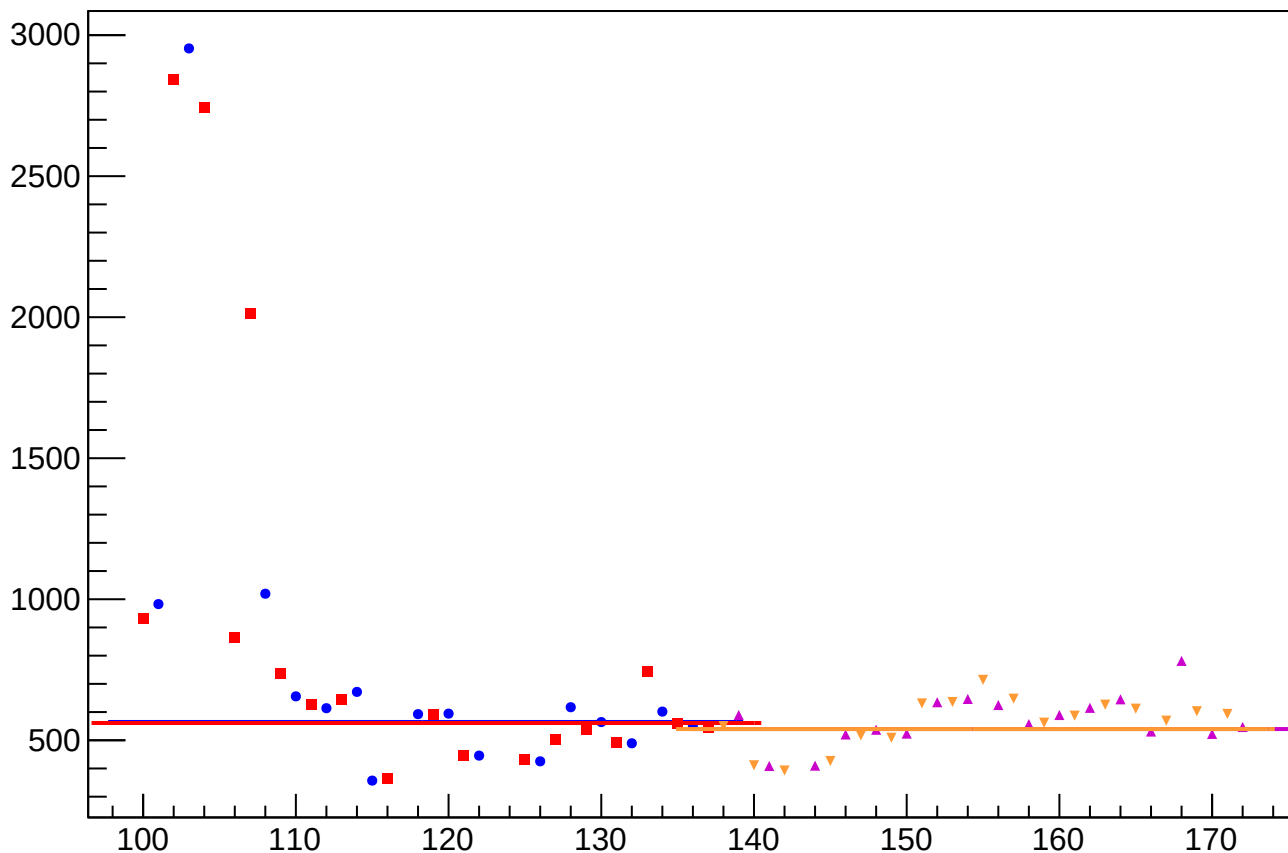
Left In: -116.001 $\pm$ 146.281 χ^2 /NDF: 9.7/16

+ sign -437.741 $\pm$ 124.331 χ^2 /NDF: 84.6/32

All: -323.152 $\pm$ 87.404 χ^2 /NDF: 112.1/67

- sign -211.191 $\pm$ 122.898 χ^2 /NDF: 25.8/34

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

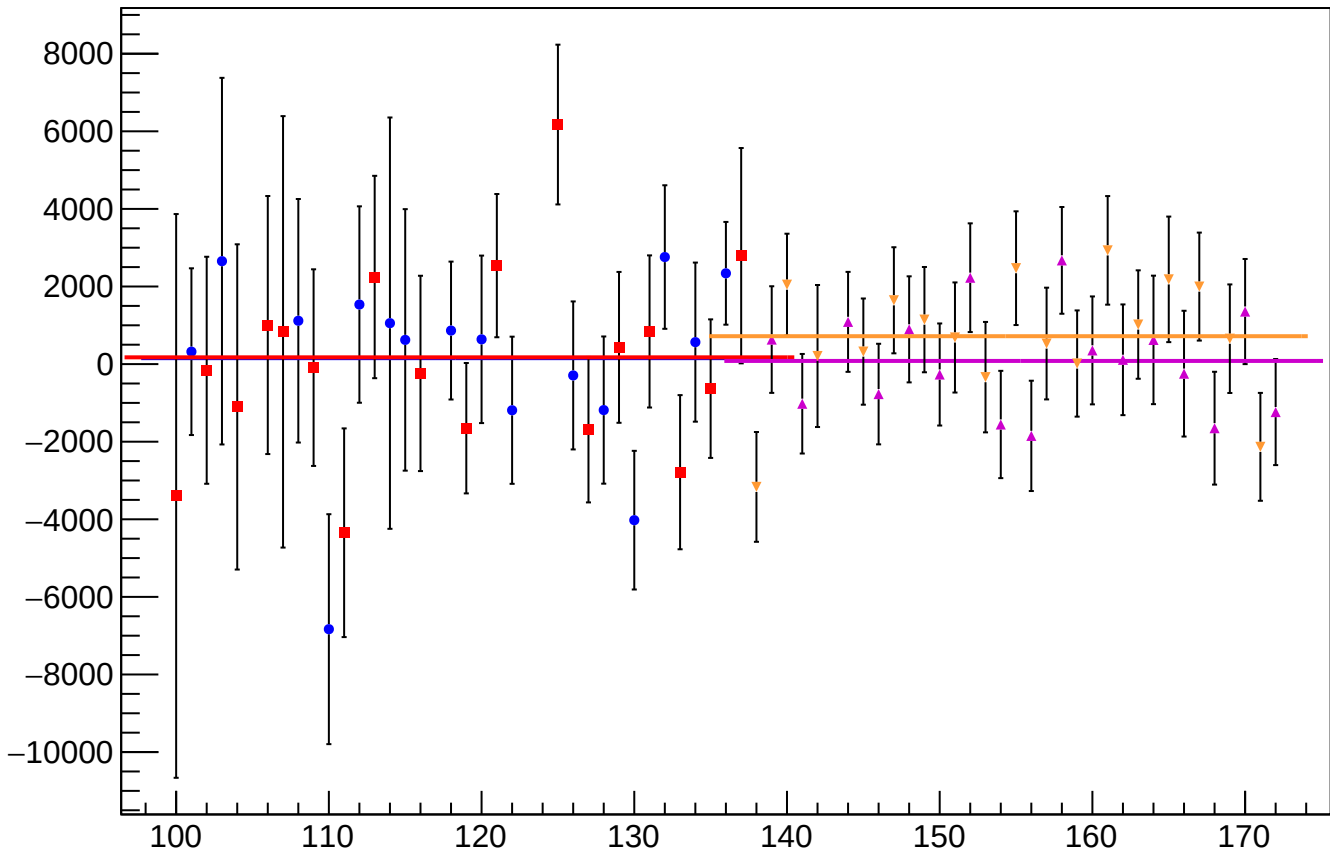
Left In: 539.811+/-0.103 χ^2/NDF : 729455.4/16

+ sign 547.606+/-0.088 χ^2/NDF : 2219387.9/32

All: 546.856+/-0.062 χ^2/NDF : 5235023.8/67

- sign 546.124+/-0.087 χ^2/NDF : 3015492.0/34

asym_usl_atl1_dd_mean vs Slug



Right In: 153.375 $\pm$ 532.096 χ^2 /NDF: 17.8/15

Left Out: 719.022 $\pm$ 344.827 χ^2 /NDF:20.0/16

Right Out: 174.319 $\pm$ 550.153 χ^2 /NDF: 19.7/17

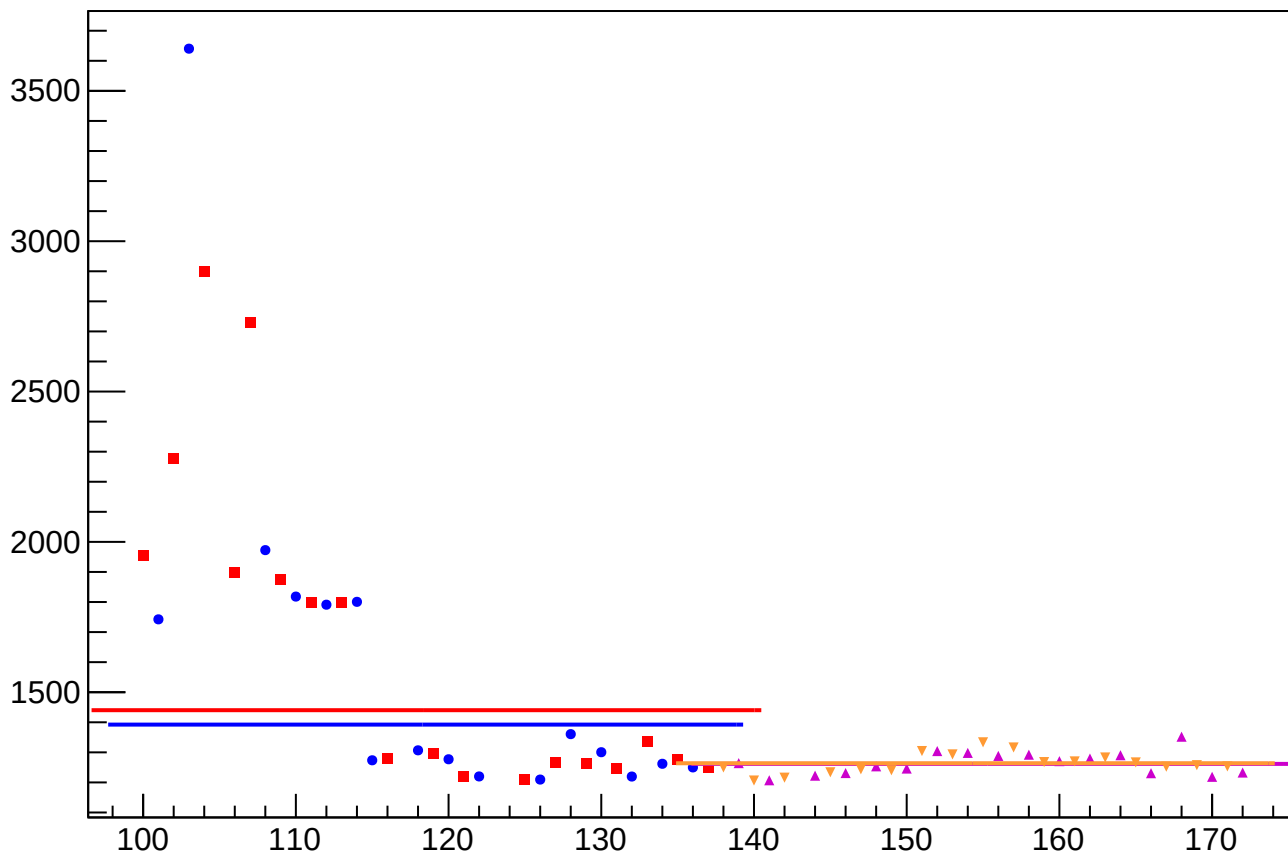
Left In: 81.552 $\pm$ 336.925 χ^2 /NDF:14.9/16

+ sign 551.725 $\pm$ 289.375 χ^2 /NDF: 38.5/32

All: 327.708 $\pm$ 203.890 χ^2 /NDF: 74.3/67

- sign 106.855 $\pm$ 287.324 χ^2 /NDF: 34.6/34

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

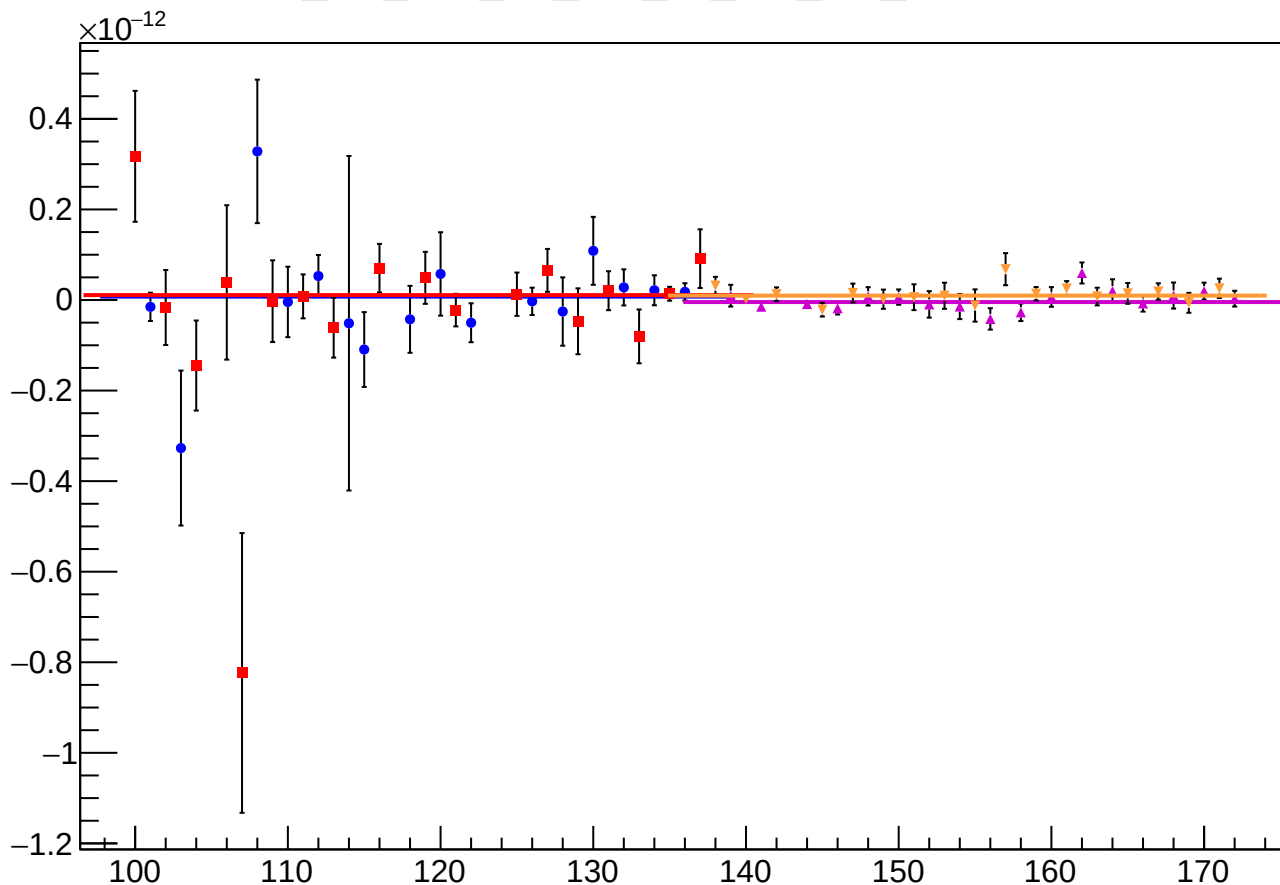
Left In: 1261.606+/-0.238 χ^2/NDF : 24227.1/16

+ sign 1301.760+/-0.205 χ^2/NDF : 879245.6/32

All: 1306.073+/-0.144 χ^2/NDF : 1912556.1/67

- sign 1310.325+/-0.203 χ^2/NDF : 1032428.2/34

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.8/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/17

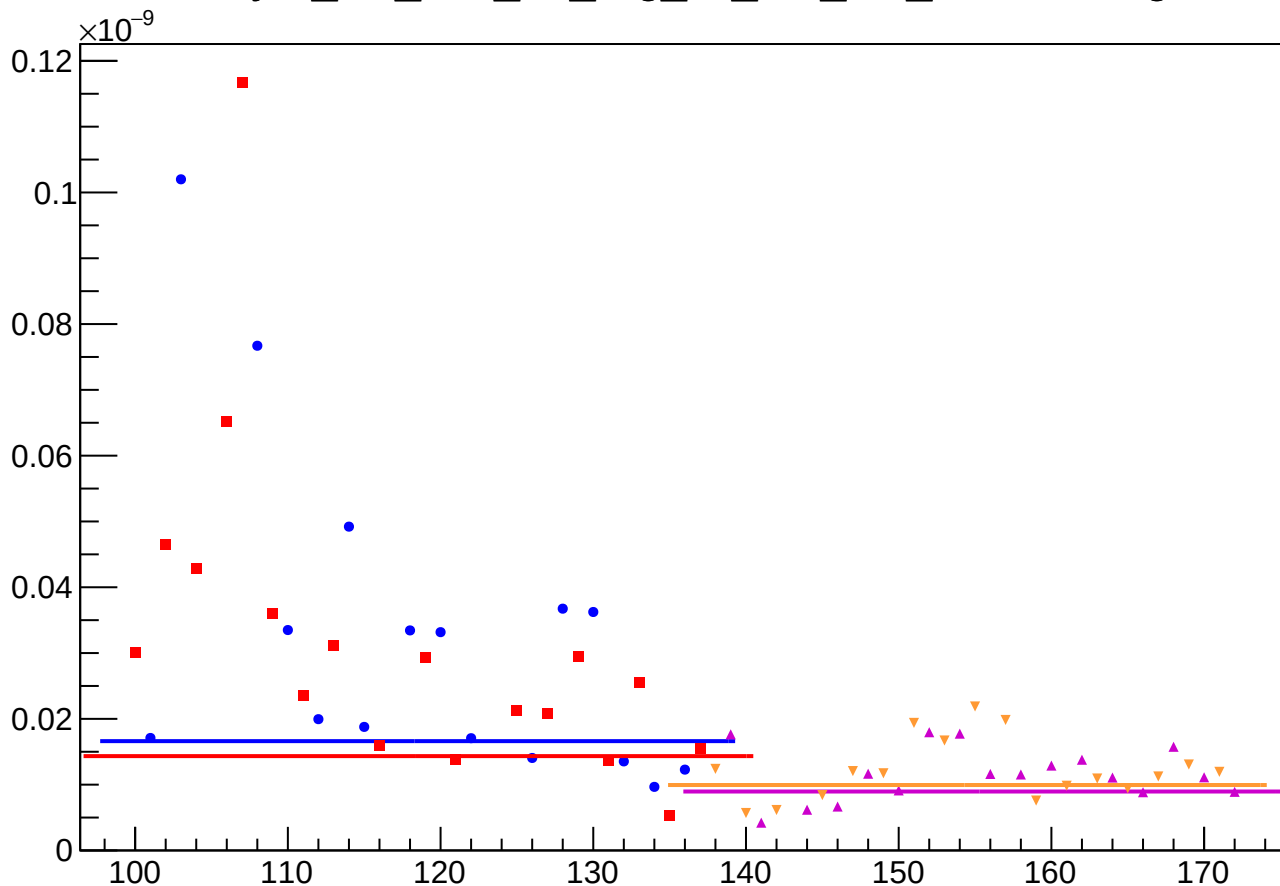
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.7/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.2/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.3/34

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



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

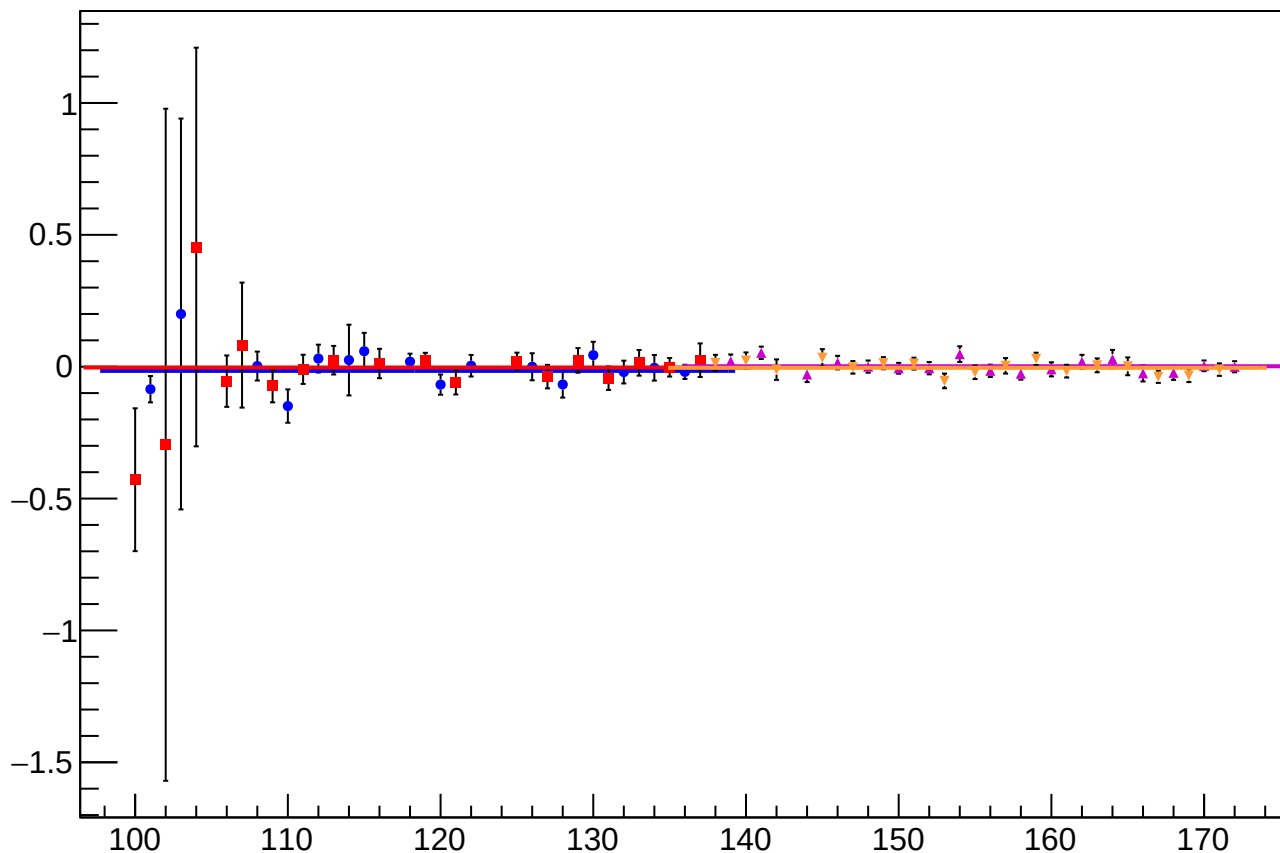
Left In: 0.000+/-0.000 χ^2/NDF : 1754615.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 3555514.9/32

All: 0.000+/-0.000 χ^2/NDF : 8106000.5/67

- sign 0.000+/-0.000 χ^2/NDF : 4457002.5/34

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

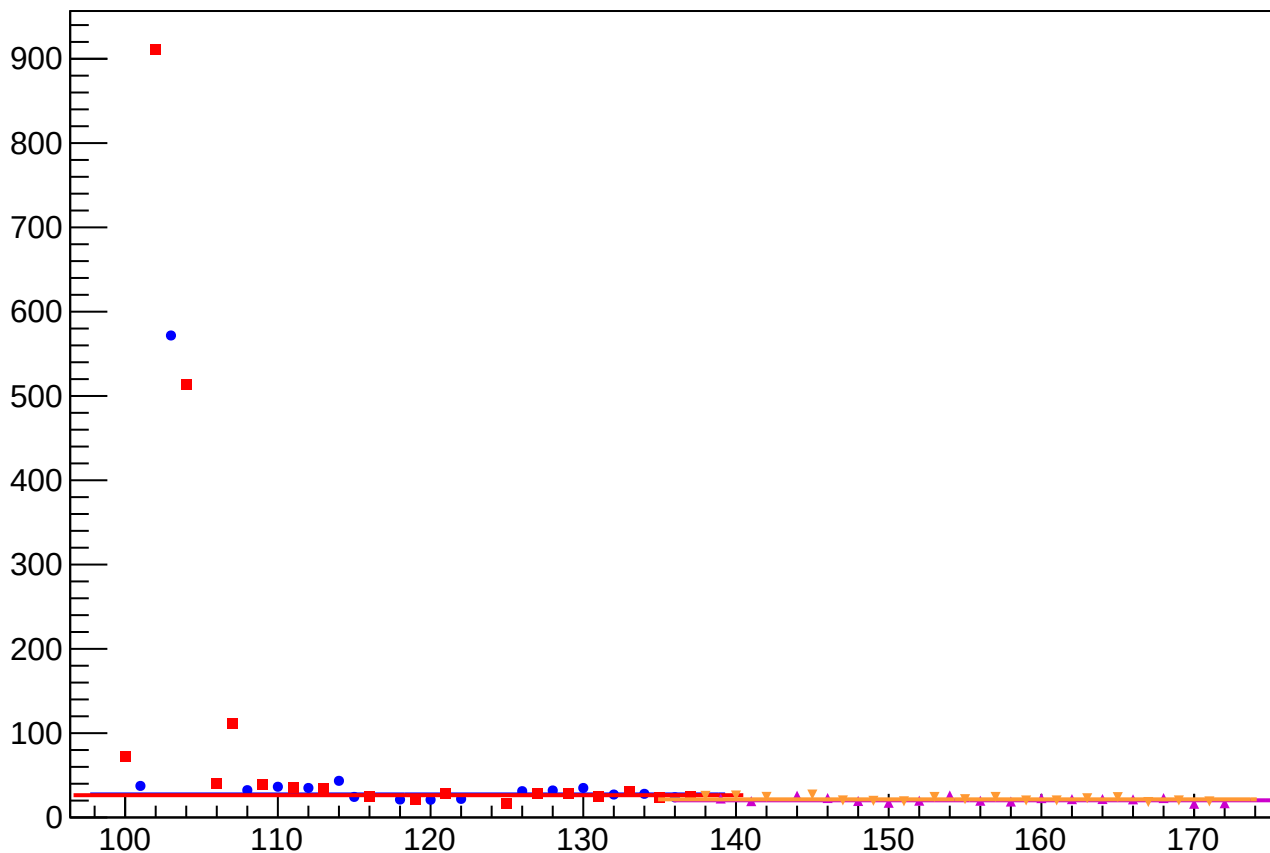
Left In: 0.002 ± 0.006 χ^2/NDF : 14.2/16

+ sign -0.007 ± 0.006 χ^2/NDF : 29.0/32

All: -0.003 ± 0.004 χ^2/NDF : 54.2/67

- sign 0.001 ± 0.005 χ^2/NDF : 24.2/34

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

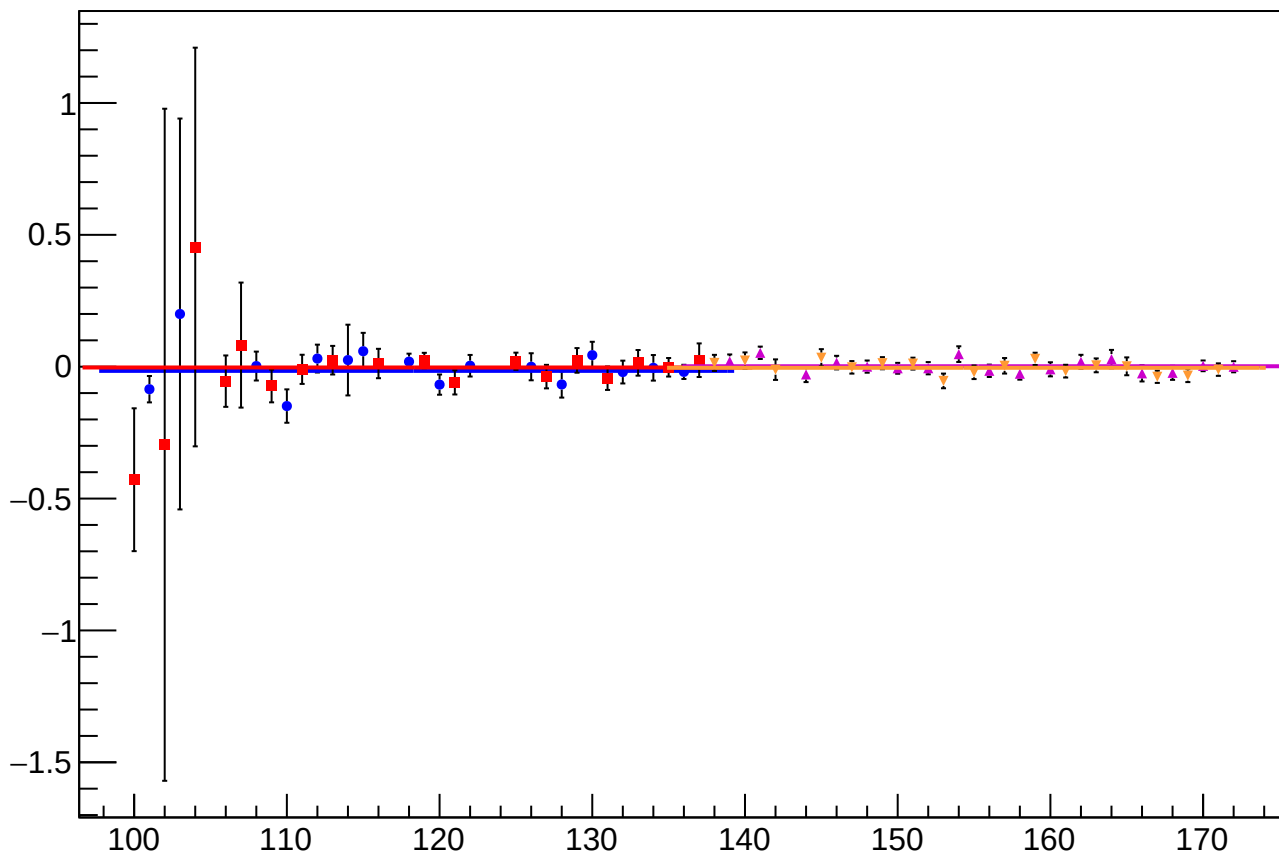
Left In: 20.344+/-0.004 χ^2/NDF : 421773.7/16

+ sign 22.852+/-0.004 χ^2/NDF : 2279380.6/32

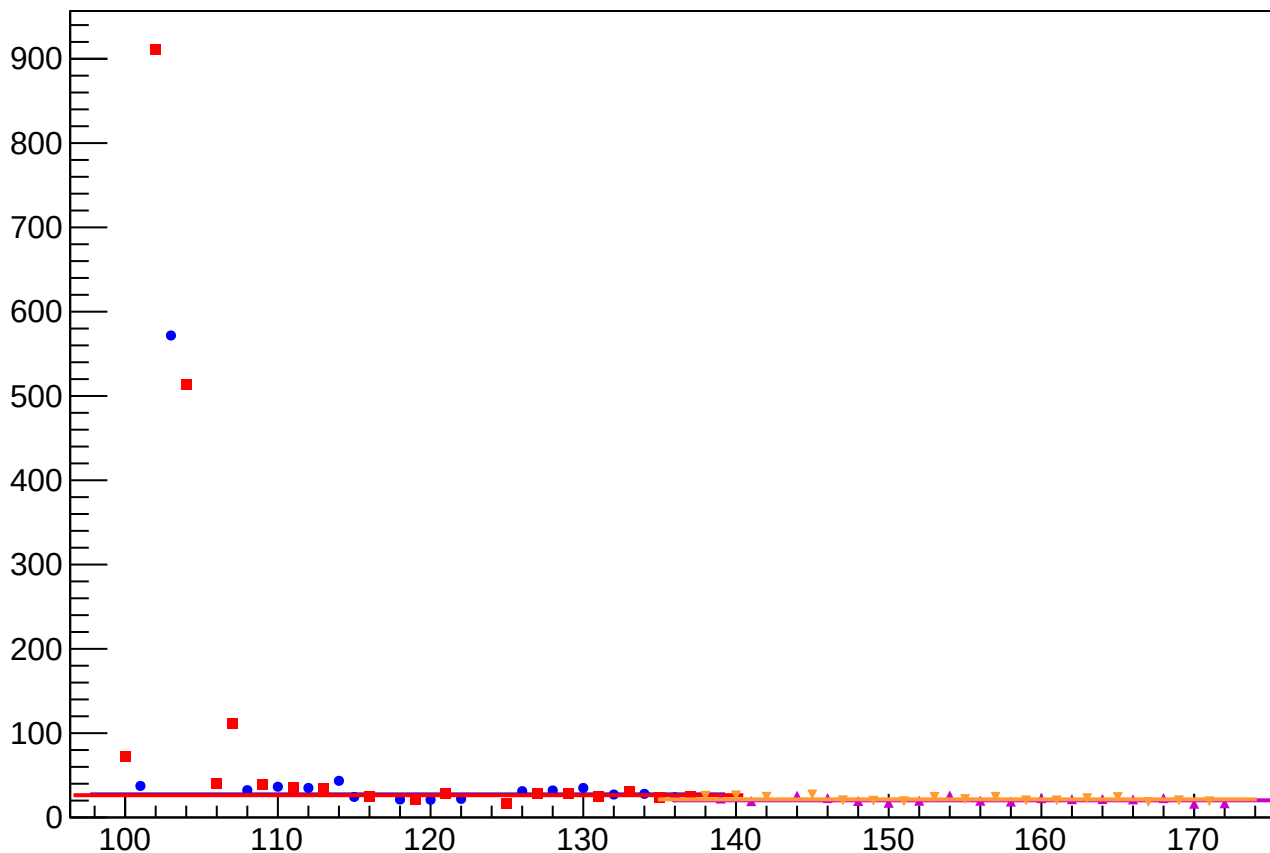
All: 22.176+/-0.003 χ^2/NDF : 5778020.6/67

- sign 21.554+/-0.004 χ^2/NDF : 3442620.6/34

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF : 1568329.0/15

Left Out: 21.489+/-0.005 χ^2/NDF : 323385.2/16

Right Out: 26.400+/-0.009 χ^2/NDF : 2614691.8/17

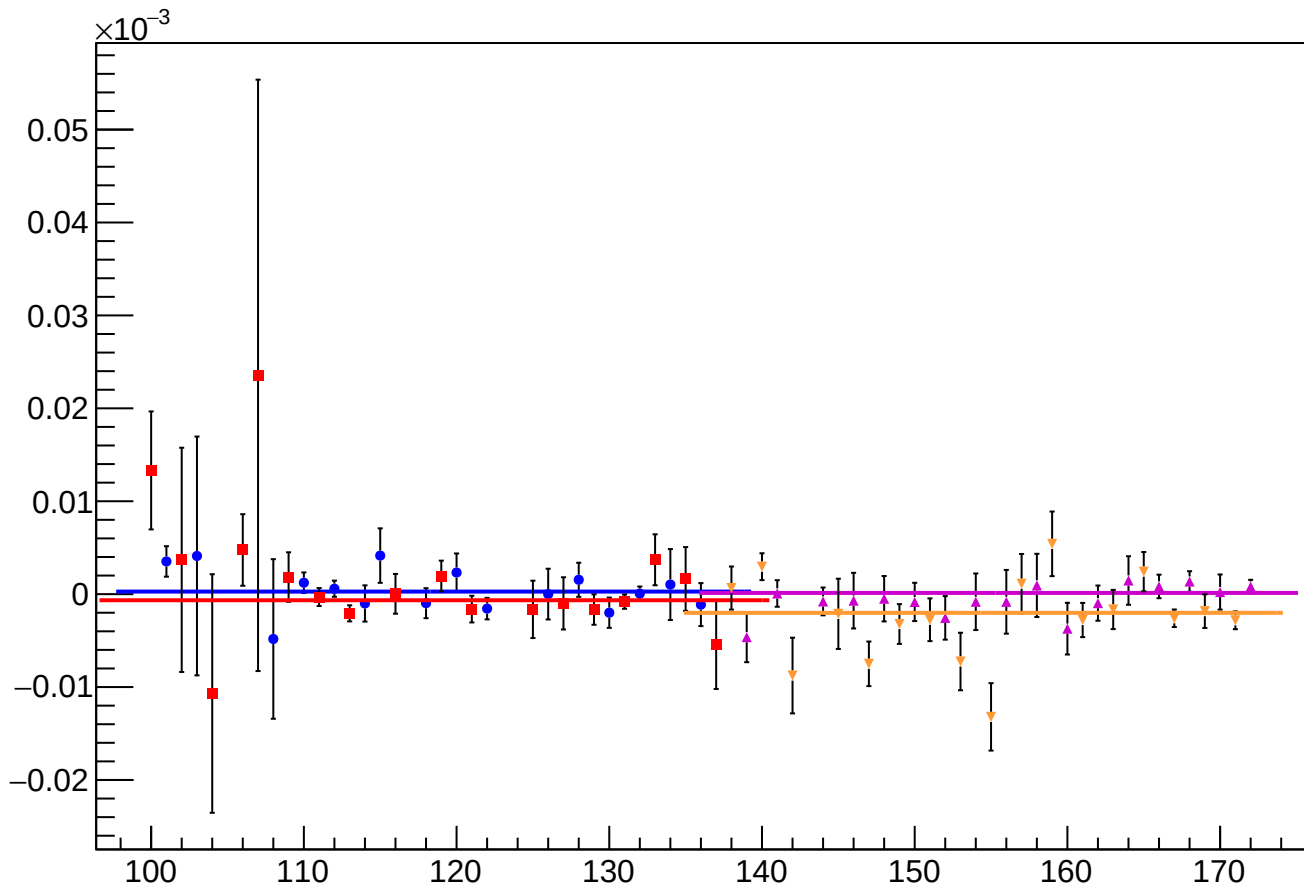
Left In: 20.344+/-0.004 χ^2/NDF : 421773.7/16

+ sign 22.852+/-0.004 χ^2/NDF : 2279380.6/32

All: 22.176+/-0.003 χ^2/NDF : 5778020.6/67

- sign 21.554+/-0.004 χ^2/NDF : 3442620.6/34

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF : 45.1/16

Right Out: -0.000+/-0.000 χ^2/NDF : 19.3/17

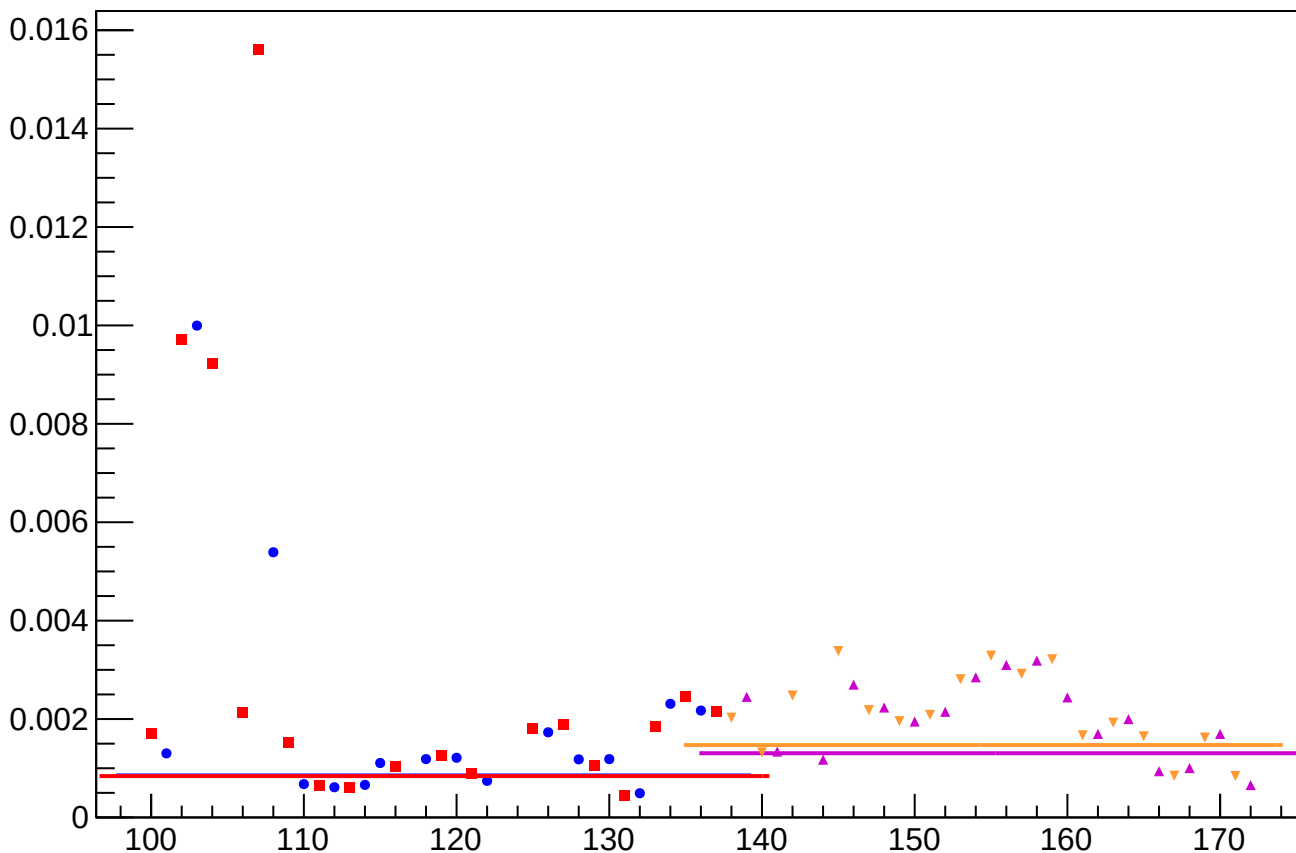
Left In: 0.000+/-0.000 χ^2/NDF : 10.3/16

+ sign -0.000+/-0.000 χ^2/NDF : 74.9/32

All: -0.000+/-0.000 χ^2/NDF : 107.4/67

- sign -0.000+/-0.000 χ^2/NDF : 31.5/34

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

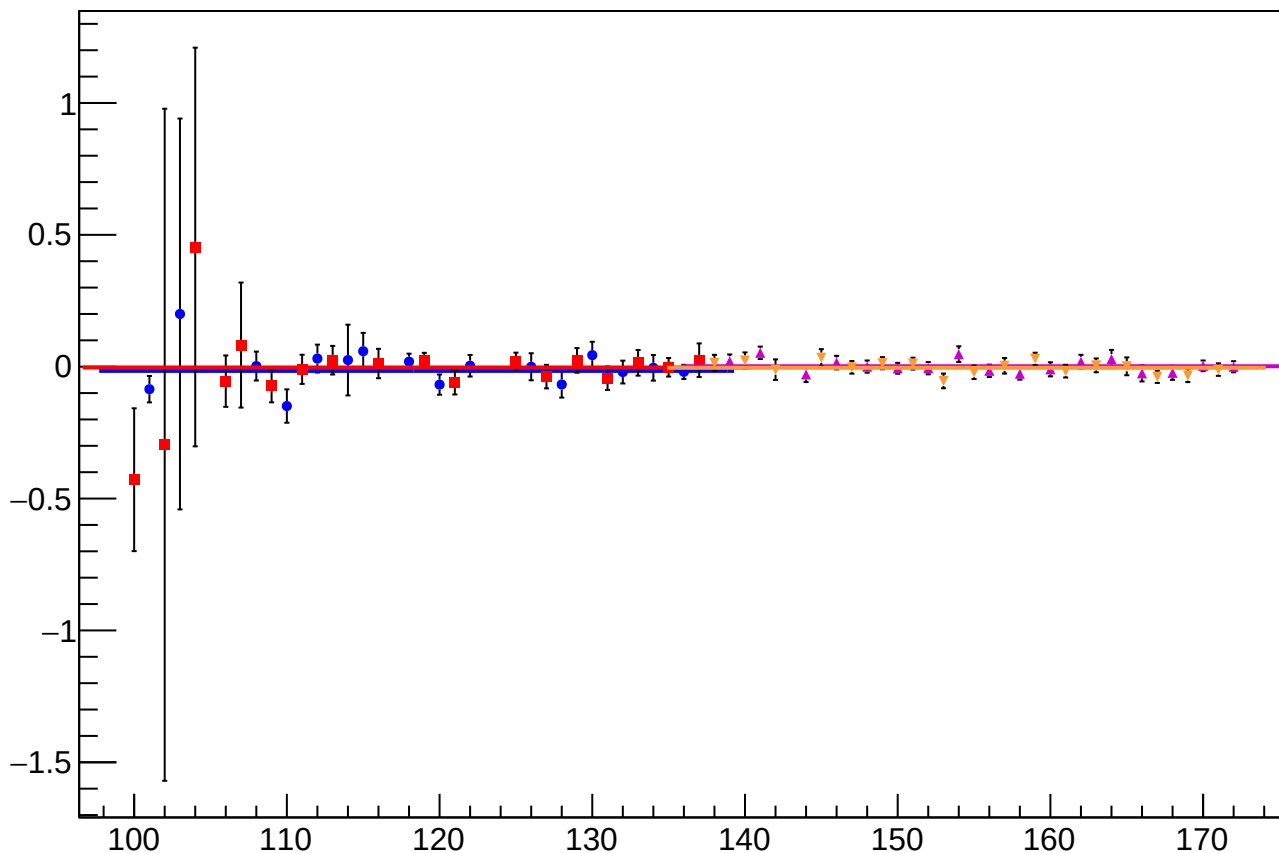
Left In: 0.001+/-0.000 χ^2/NDF : 5751852.6/16

+ sign 0.001+/-0.000 χ^2/NDF : 10947832.7/32

All: 0.001+/-0.000 χ^2/NDF : 23104409.5/67

- sign 0.001+/-0.000 χ^2/NDF : 12138813.5/34

asym_usl_atl1_dd_eigen_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

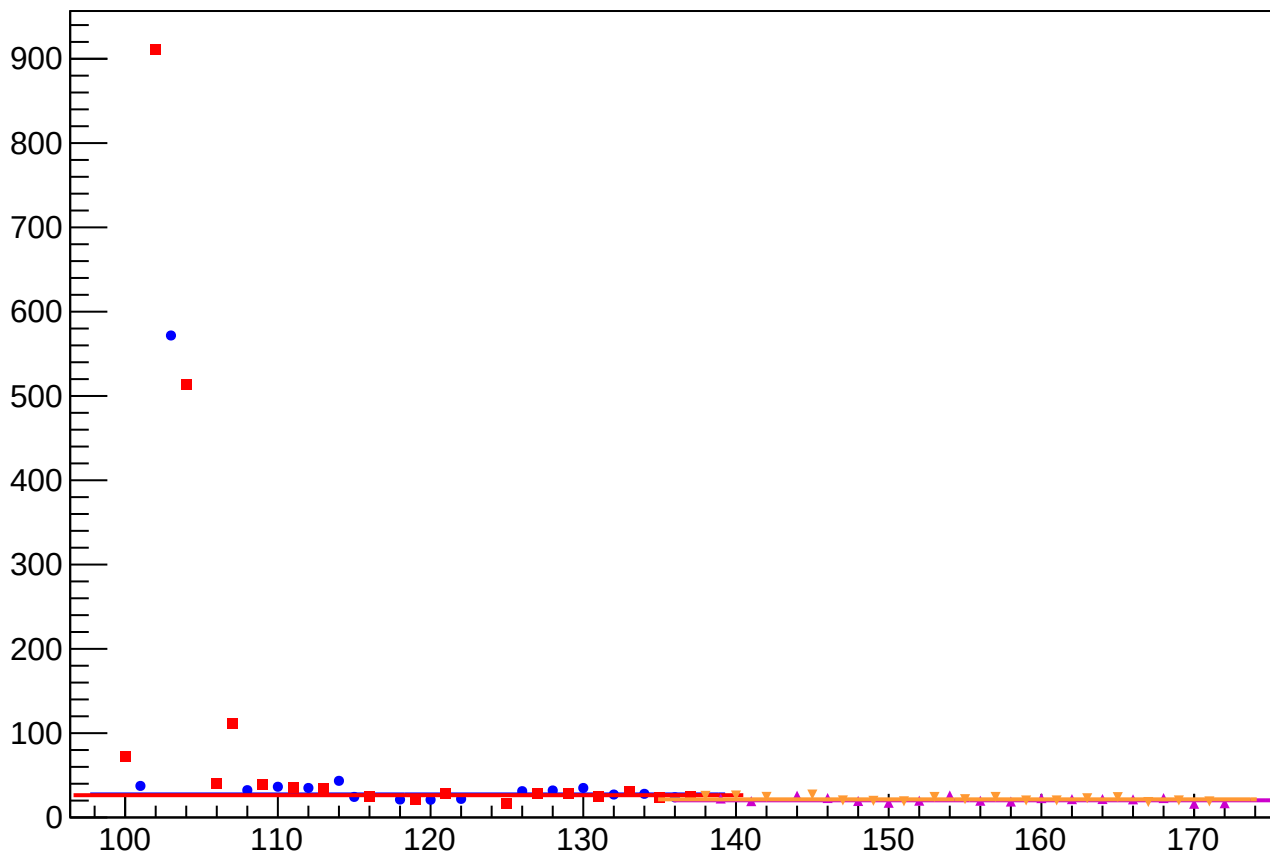
Left In: 0.002 ± 0.006 χ^2/NDF : 14.2/16

+ sign -0.007 ± 0.006 χ^2/NDF : 29.0/32

All: -0.003 ± 0.004 χ^2/NDF : 54.2/67

- sign 0.001 ± 0.005 χ^2/NDF : 24.2/34

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.305+/-0.008 χ^2/NDF : 1568325.9/15

Left Out: 21.489+/-0.005 χ^2/NDF : 323357.6/16

Right Out: 26.400+/-0.009 χ^2/NDF : 2614710.8/17

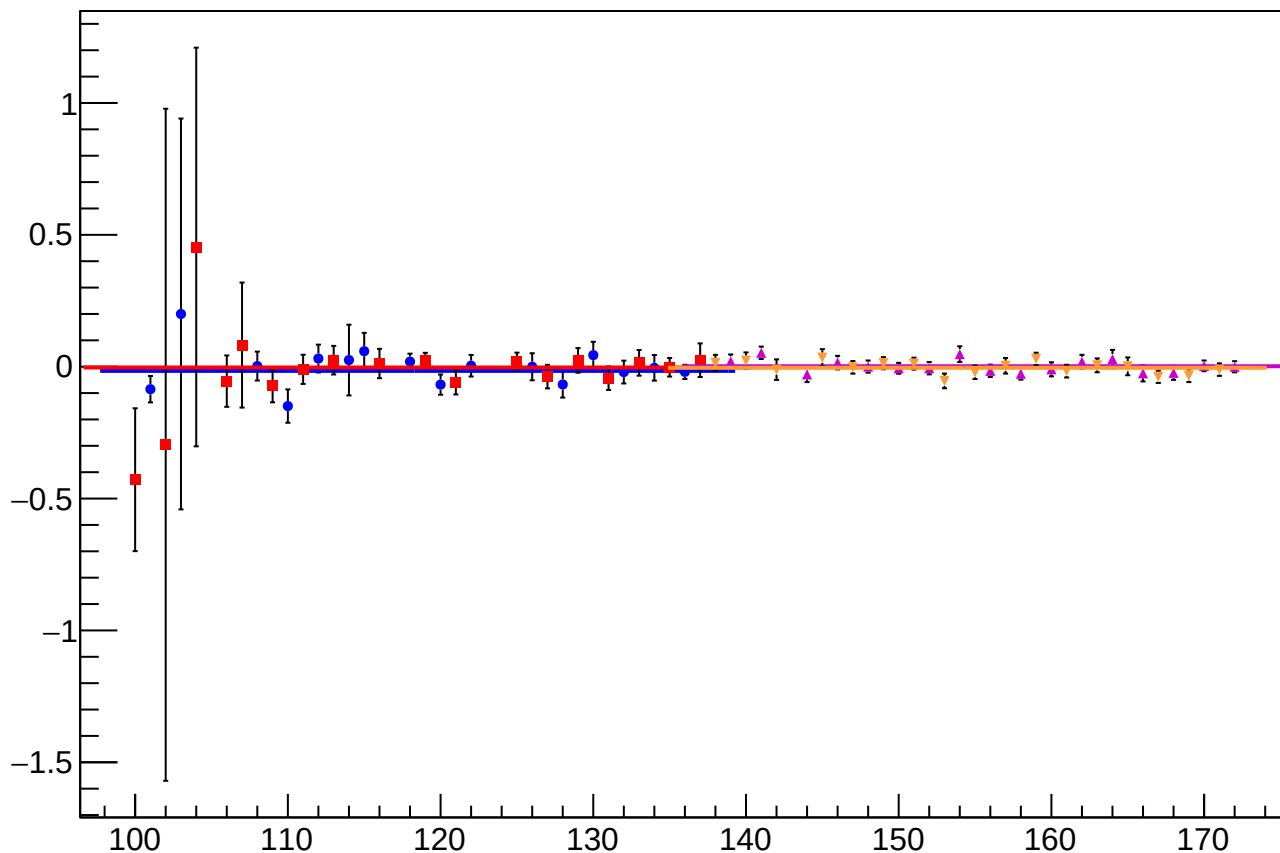
Left In: 20.344+/-0.004 χ^2/NDF : 421796.5/16

+ sign 22.852+/-0.004 χ^2/NDF : 2279356.9/32

All: 22.176+/-0.003 χ^2/NDF : 5778038.4/67

- sign 21.554+/-0.004 χ^2/NDF : 3442664.5/34

asym_usl_atl1_dd_eigen_dit_vs_eigen_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

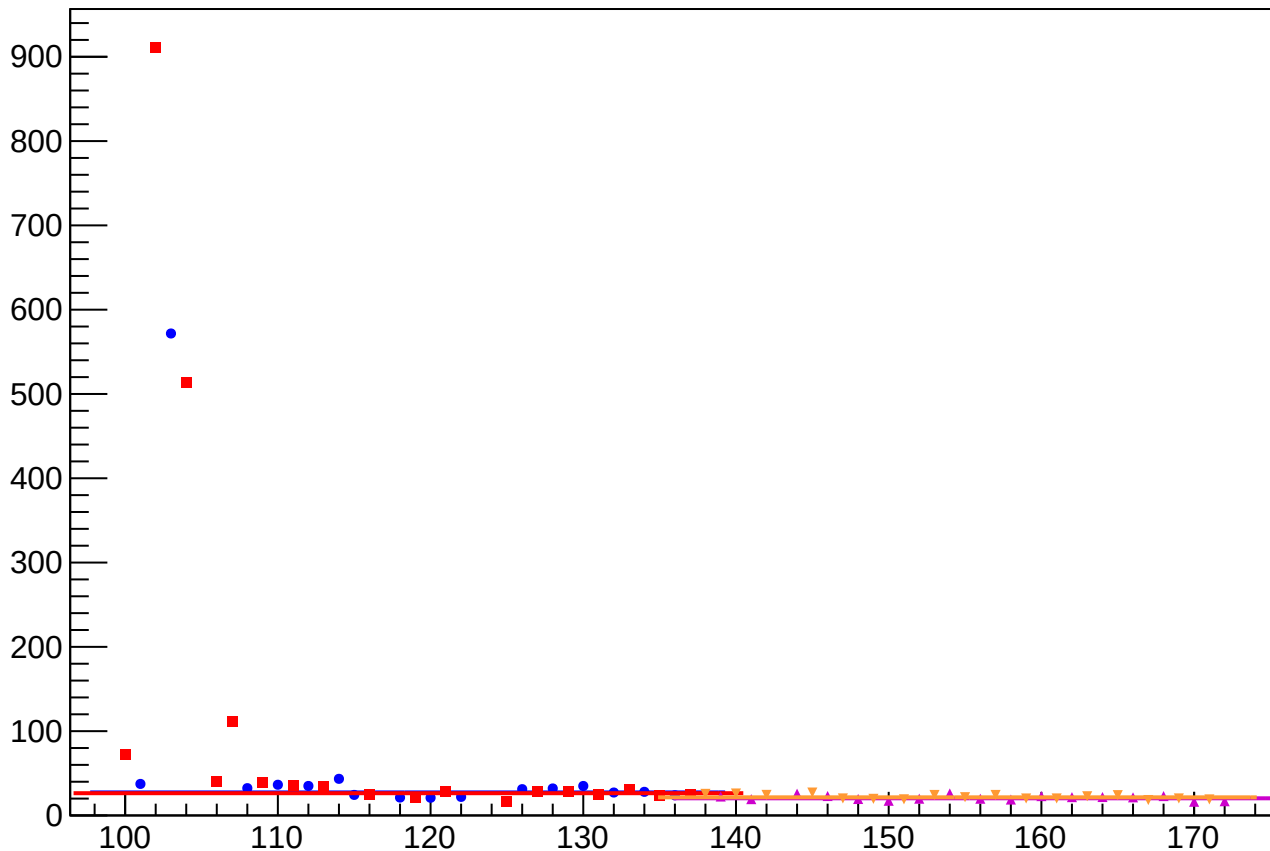
Left In: 0.002 ± 0.006 χ^2/NDF : 14.2/16

+ sign -0.007 ± 0.006 χ^2/NDF : 29.0/32

All: -0.003 ± 0.004 χ^2/NDF : 54.2/67

- sign 0.001 ± 0.005 χ^2/NDF : 24.2/34

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.305 $\pm$ 0.008 χ^2 /NDF: 1568325.9/15

Left Out: 21.489 $\pm$ 0.005 χ^2 /NDF: 323357.6/16

Right Out: 26.400 $\pm$ 0.009 χ^2 /NDF: 2614710.8/17

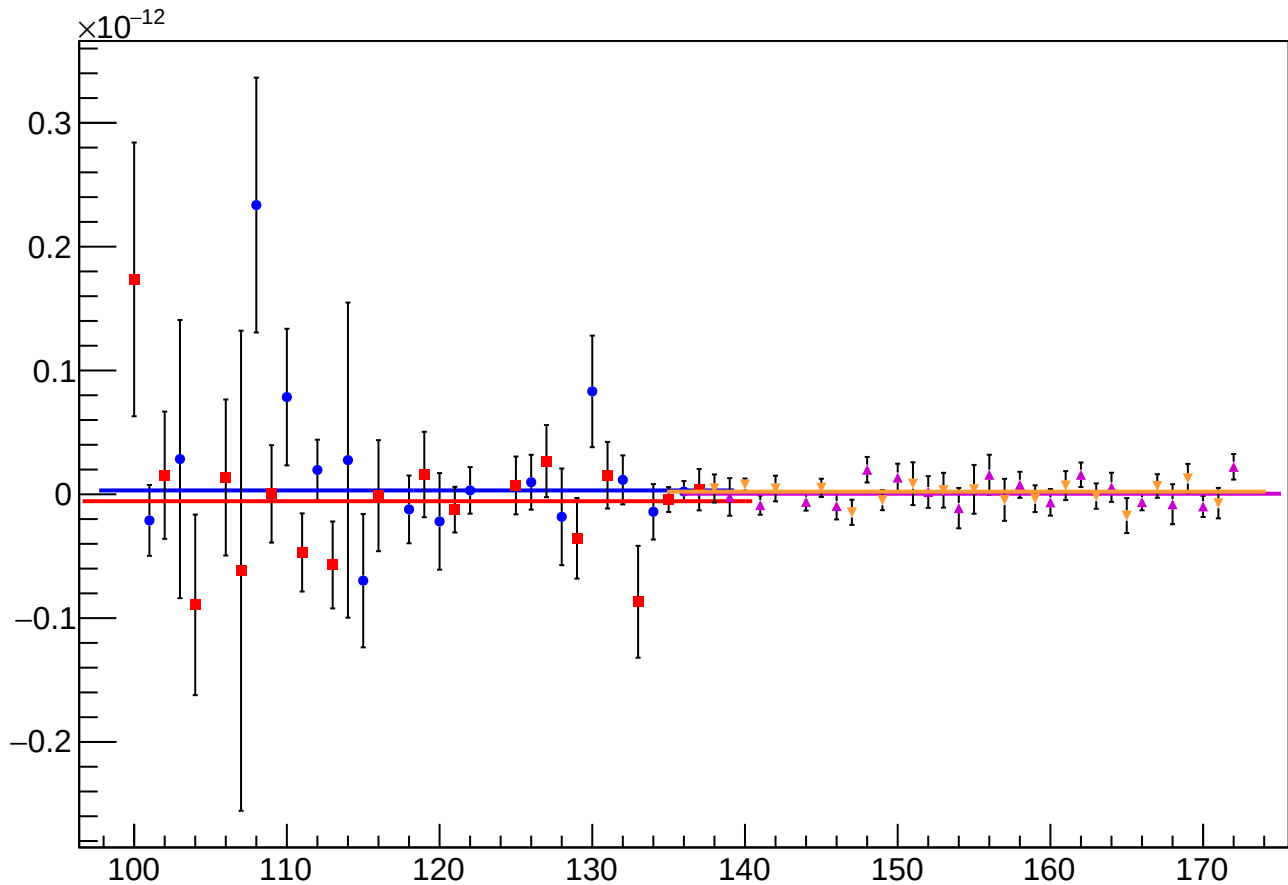
Left In: 20.344 $\pm$ 0.004 χ^2 /NDF: 421796.5/16

+ sign 22.852 $\pm$ 0.004 χ^2 /NDF: 2279356.9/32

All: 22.176 $\pm$ 0.003 χ^2 /NDF: 5778038.4/67

- sign 21.554 $\pm$ 0.004 χ^2 /NDF: 3442664.5/34

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9.4/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/17

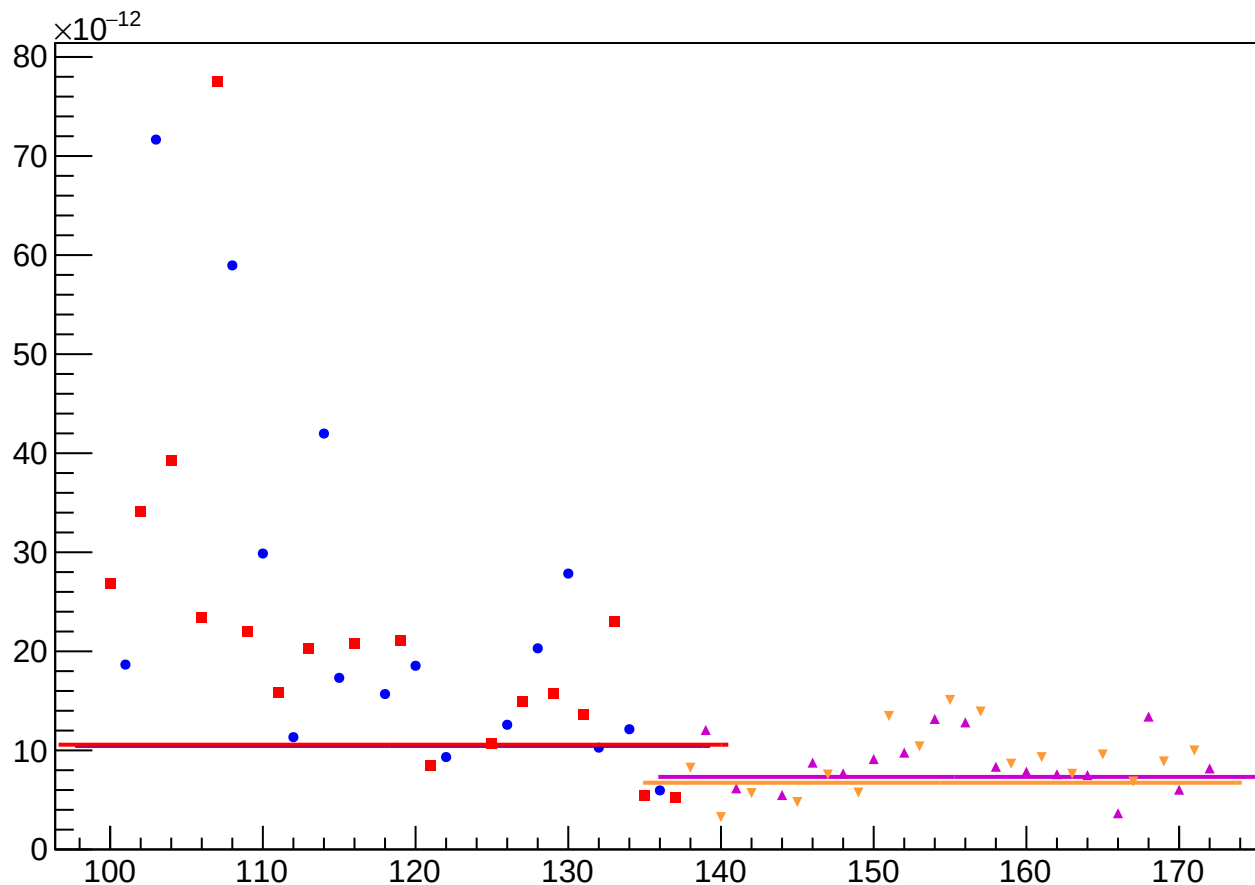
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.4/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/34

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2860652.9/16

Right Out: 0.000+/-0.000 χ^2/NDF : 2771384.1/17

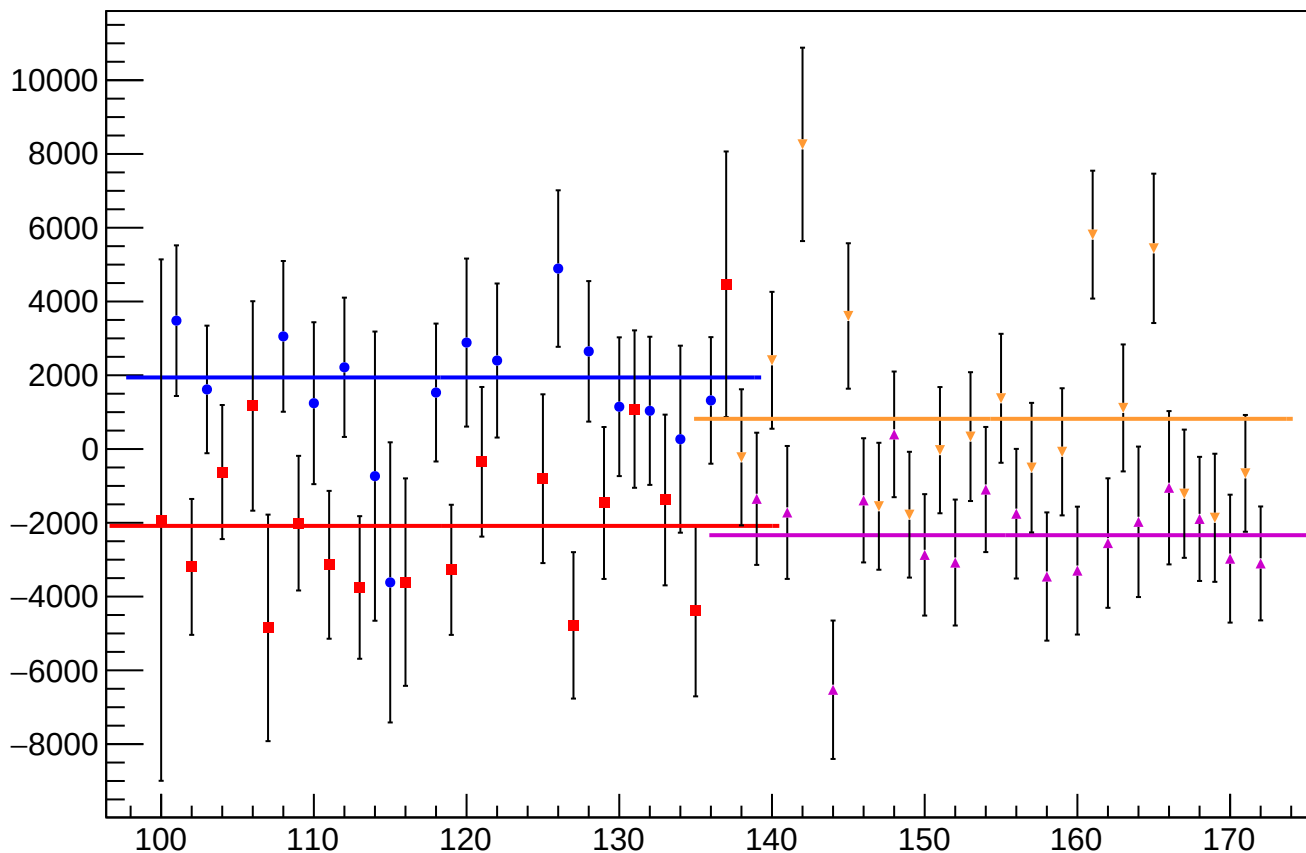
Left In: 0.000+/-0.000 χ^2/NDF : 2016381.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 6372614.3/32

All: 0.000+/-0.000 χ^2/NDF : 11697886.5/67

- sign 0.000+/-0.000 χ^2/NDF : 5278854.8/34

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

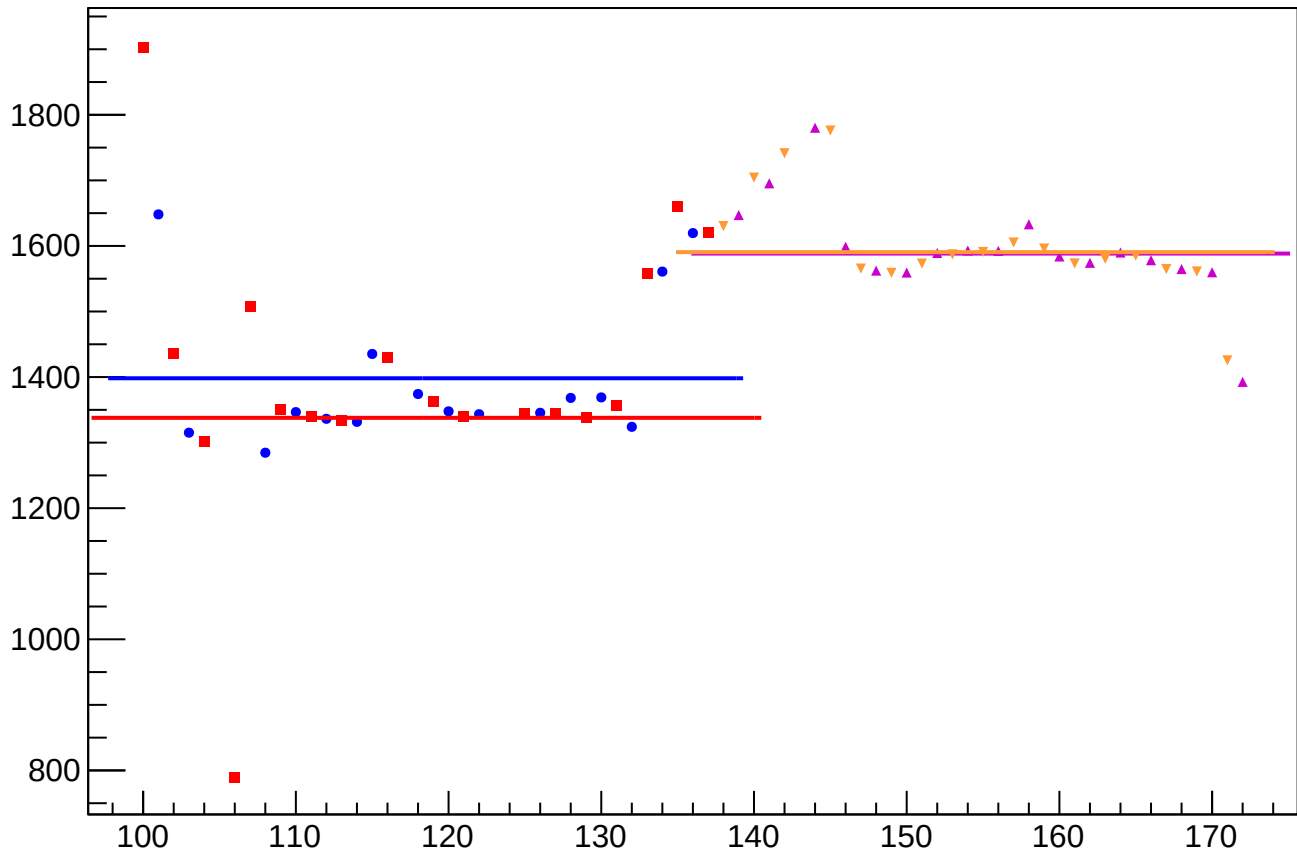
Left In: -2336.084+/-424.510 χ^2/NDF : 10.8/16

+ sign 1277.818+/-333.914 χ^2/NDF : 44.4/32

All: -506.097+/-234.262 χ^2/NDF : 126.1/67

- sign -2235.154+/-328.740 χ^2/NDF : 25.5/34

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1398.161 $\pm$ 0.369 χ^2 /NDF: 93923.6/15

Left Out: 1590.574 $\pm$ 0.307 χ^2 /NDF: 57272.0/16

Right Out: 1337.819 $\pm$ 0.356 χ^2 /NDF: 317763.3/17

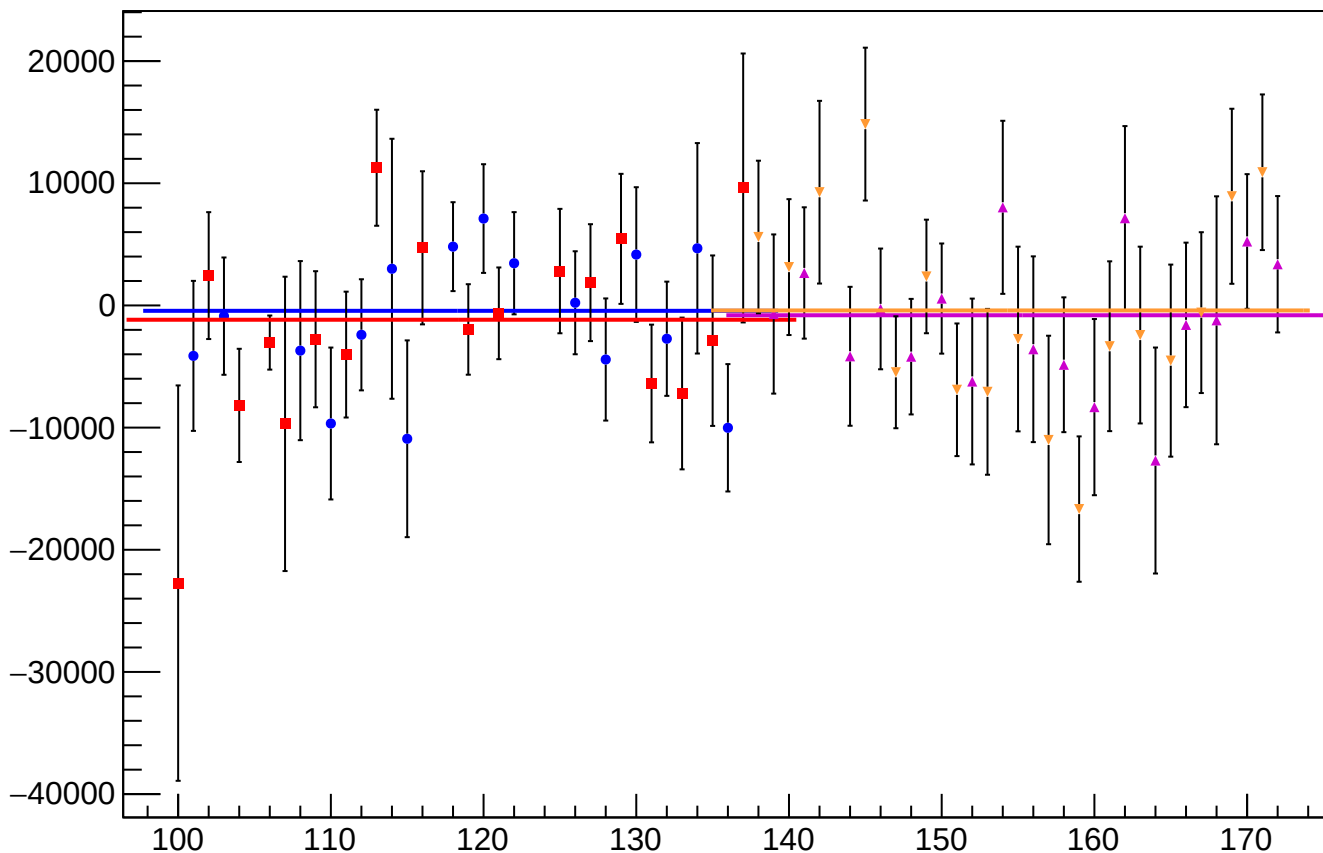
Left In: 1588.367 $\pm$ 0.300 χ^2 /NDF: 65900.9/16

+ sign 1511.892 $\pm$ 0.236 χ^2 /NDF: 311709.7/32

All: 1497.663 $\pm$ 0.165 χ^2 /NDF: 992019.7/67

- sign 1484.224 $\pm$ 0.229 χ^2 /NDF: 673248.1/34

asym_usl_atl2_avg_reg_correction_mean vs Slug



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

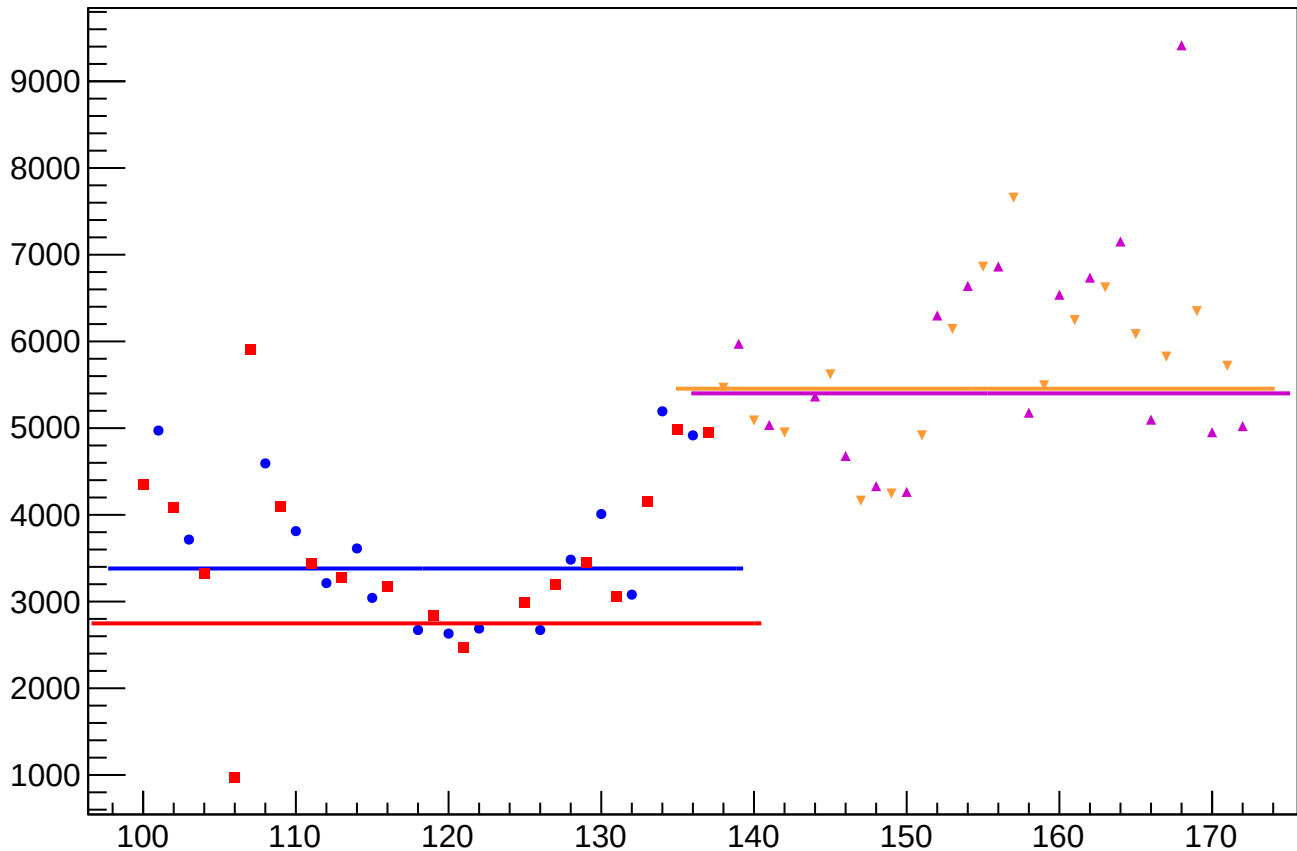
Left In: -804.083+/-1472.691 χ^2/NDF : 9.9/16

+ sign -428.363+/-985.748 χ^2/NDF : 43.3/32

All: -763.138+/-661.172 χ^2/NDF : 73.1/67

- sign -1036.912+/-891.426 χ^2/NDF : 29.6/34

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3381.117 $\pm$ 0.916 χ^2 /NDF: 757146.6/15

Left Out: 5455.227 $\pm$ 1.074 χ^2 /NDF: 688214.3/16

Right Out: 2748.372 $\pm$ 0.792 χ^2 /NDF: 2264563.8/17

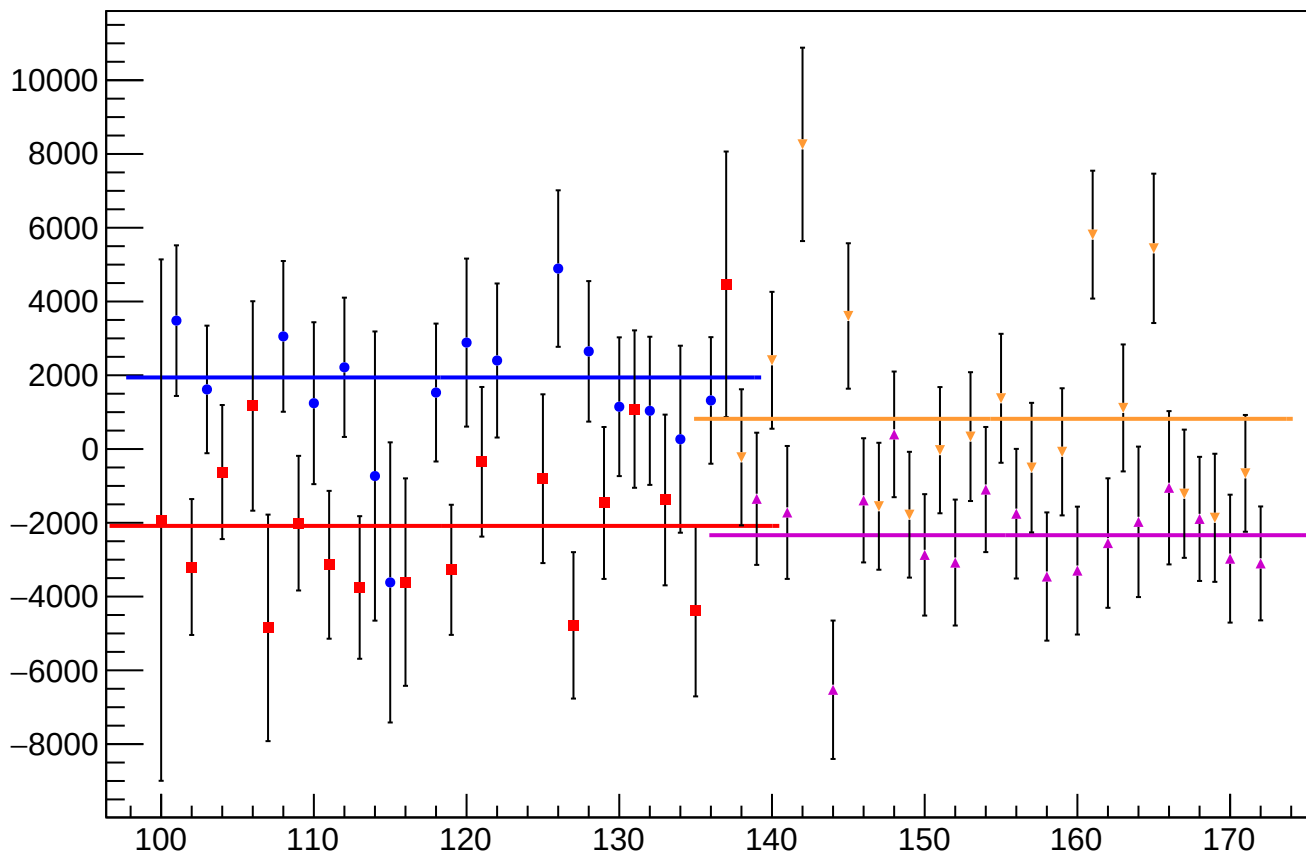
Left In: 5401.062 $\pm$ 1.041 χ^2 /NDF: 993807.5/16

+ sign 4255.148 $\pm$ 0.697 χ^2 /NDF: 3604270.7/32

All: 3960.916 $\pm$ 0.468 χ^2 /NDF: 11298041.9/6

- sign 3720.299 $\pm$ 0.630 χ^2 /NDF: 7369866.4/34

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2 /NDF: 6.9/15

Left Out: 819.053 $\pm$ 434.322 χ^2 /NDF:34.8/16

Right Out: -2084.166 $\pm$ 519.587 χ^2 /NDF: 14.5/17

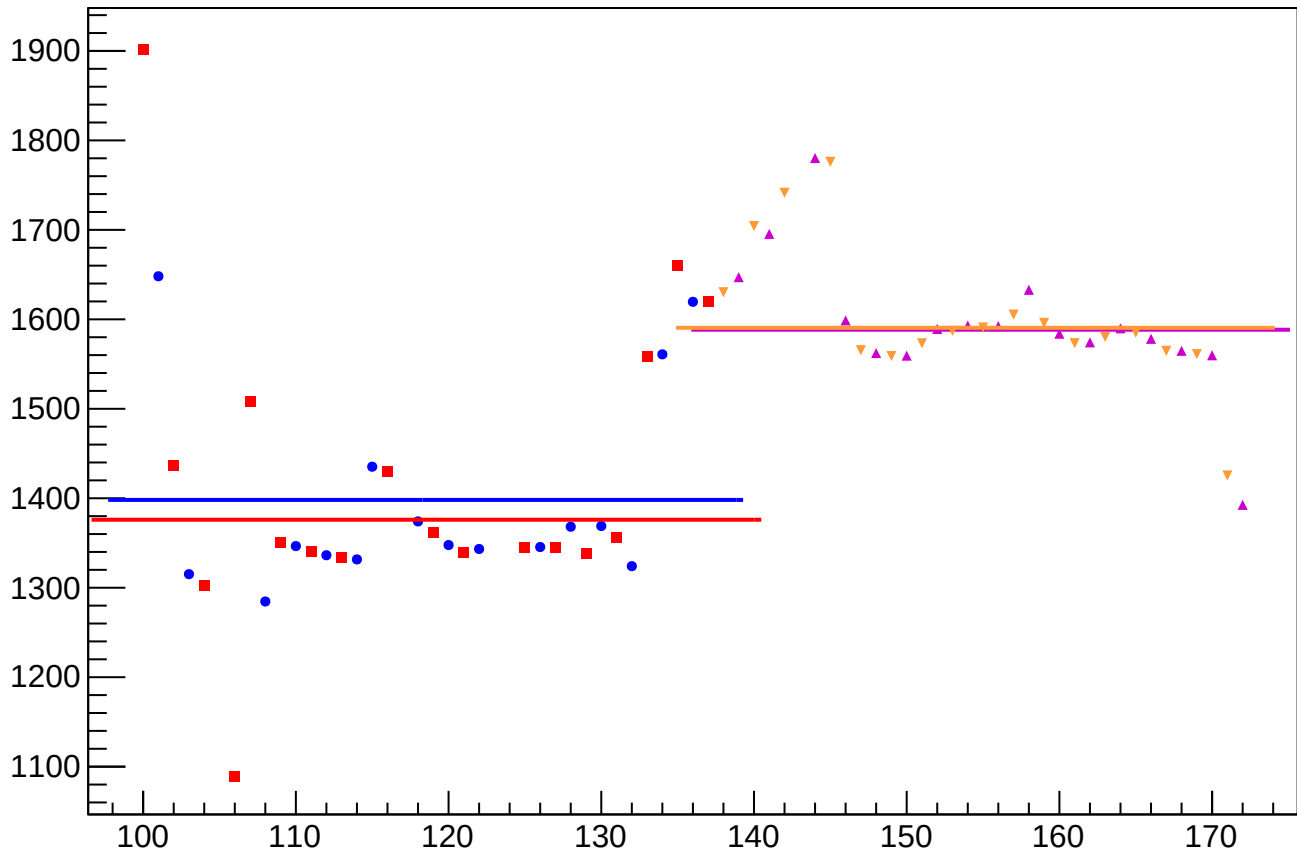
Left In: -2336.156 $\pm$ 424.510 χ^2 /NDF:10.8/16

+ sign 1277.854 $\pm$ 333.914 χ^2 /NDF: 44.4/32

All: -506.142 $\pm$ 234.263 χ^2 /NDF: 126.1/67

- sign -2235.284 $\pm$ 328.741 χ^2 /NDF: 25.5/34

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

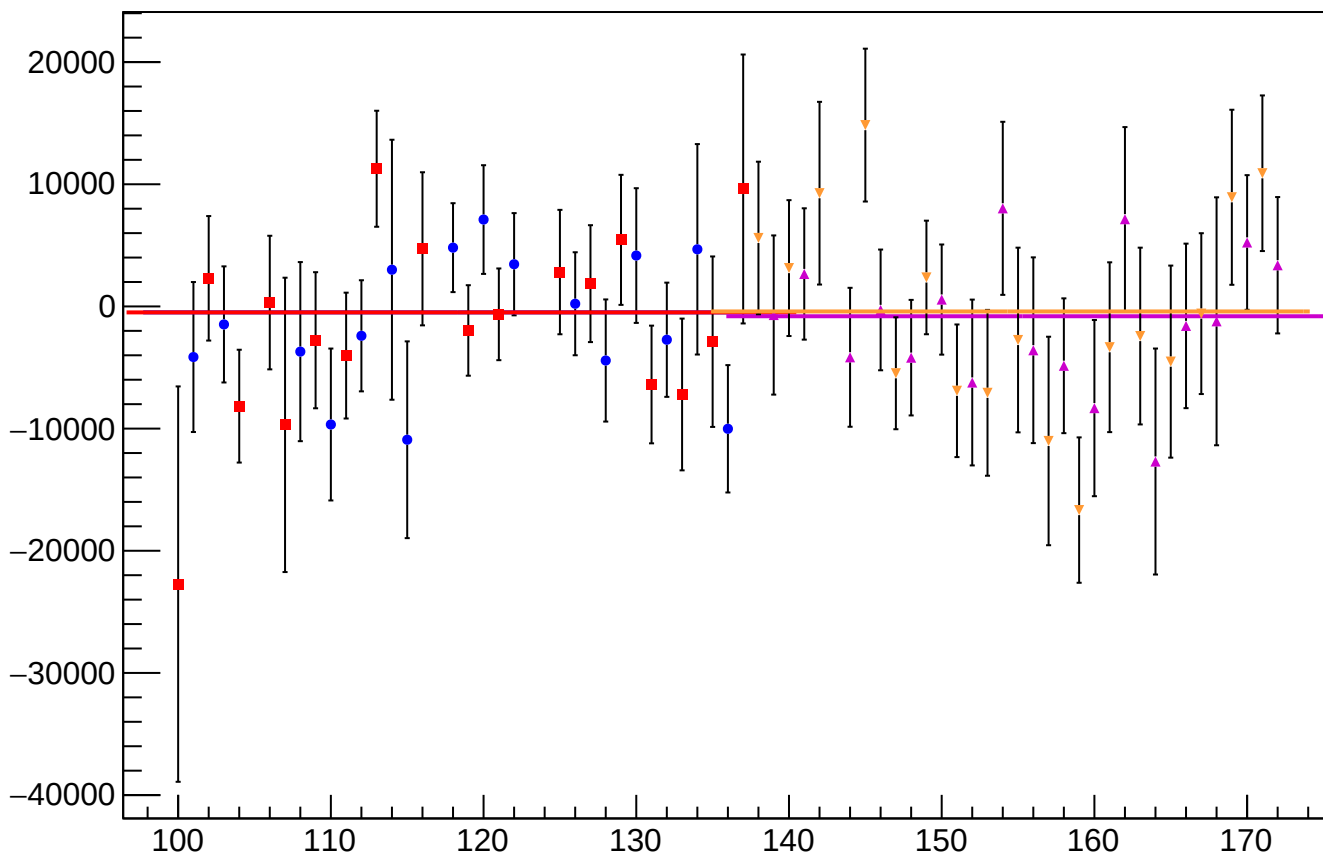
Left In: 1588.367+/-0.300 χ^2/NDF : 65900.9/16

+ sign 1511.892+/-0.236 χ^2/NDF : 311709.9/32

All: 1506.840+/-0.165 χ^2/NDF : 696088.2/67

- sign 1501.996+/-0.231 χ^2/NDF : 383481.6/34

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -486.563 $\pm$ 1294.930 χ^2/NDF : 15.9/15

Left Out: -410.855 $\pm$ 1518.514 χ^2/NDF : 27.4/16

Right Out: -488.594 $\pm$ 1261.315 χ^2/NDF : 18.7/17

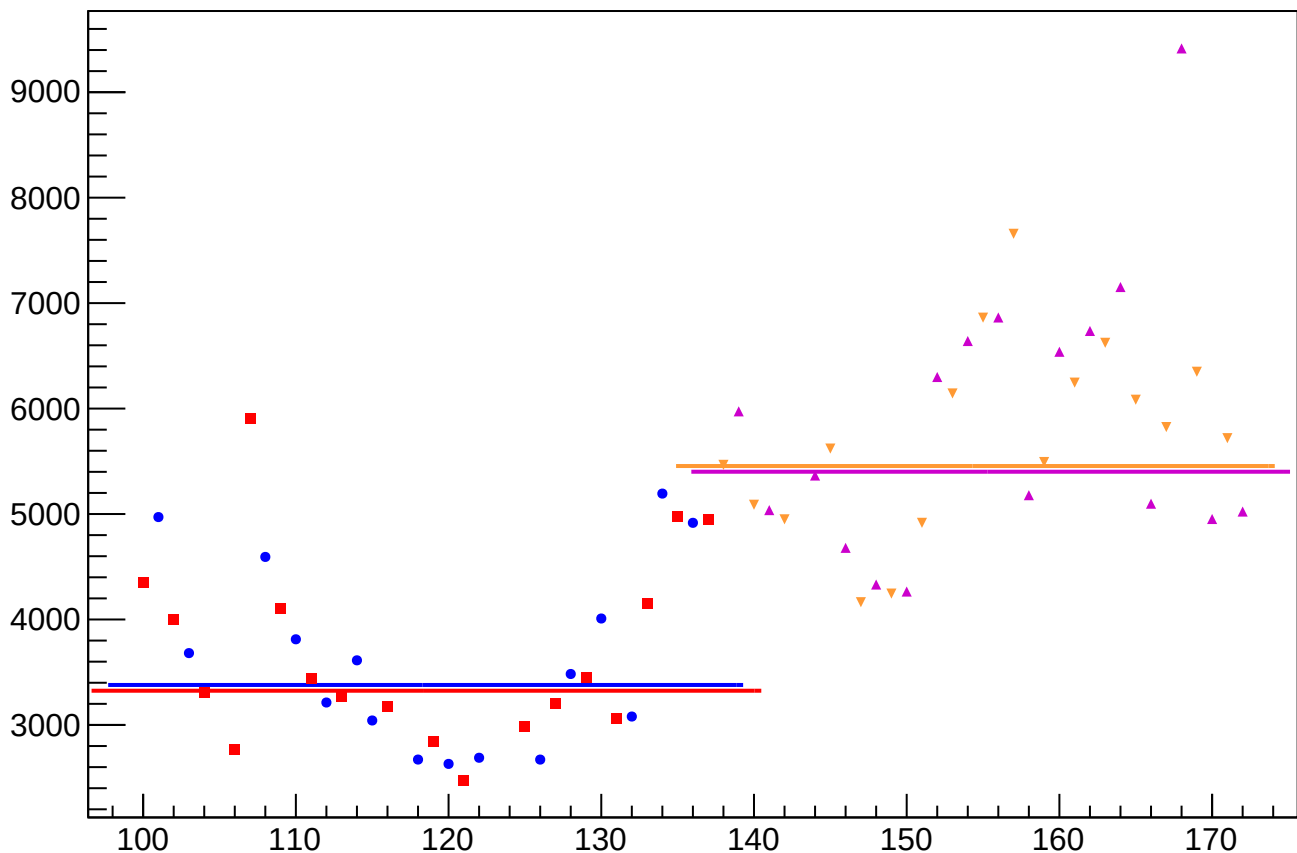
Left In: -804.145 $\pm$ 1472.690 χ^2/NDF : 9.9/16

+ sign -454.687 $\pm$ 985.314 χ^2/NDF : 43.4/32

All: -540.757 $\pm$ 686.854 χ^2/NDF : 72.0/67

- sign -622.118 $\pm$ 957.980 χ^2/NDF : 28.6/34

asym_usl_atl2_avg_cor_correction_rms vs Slug



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

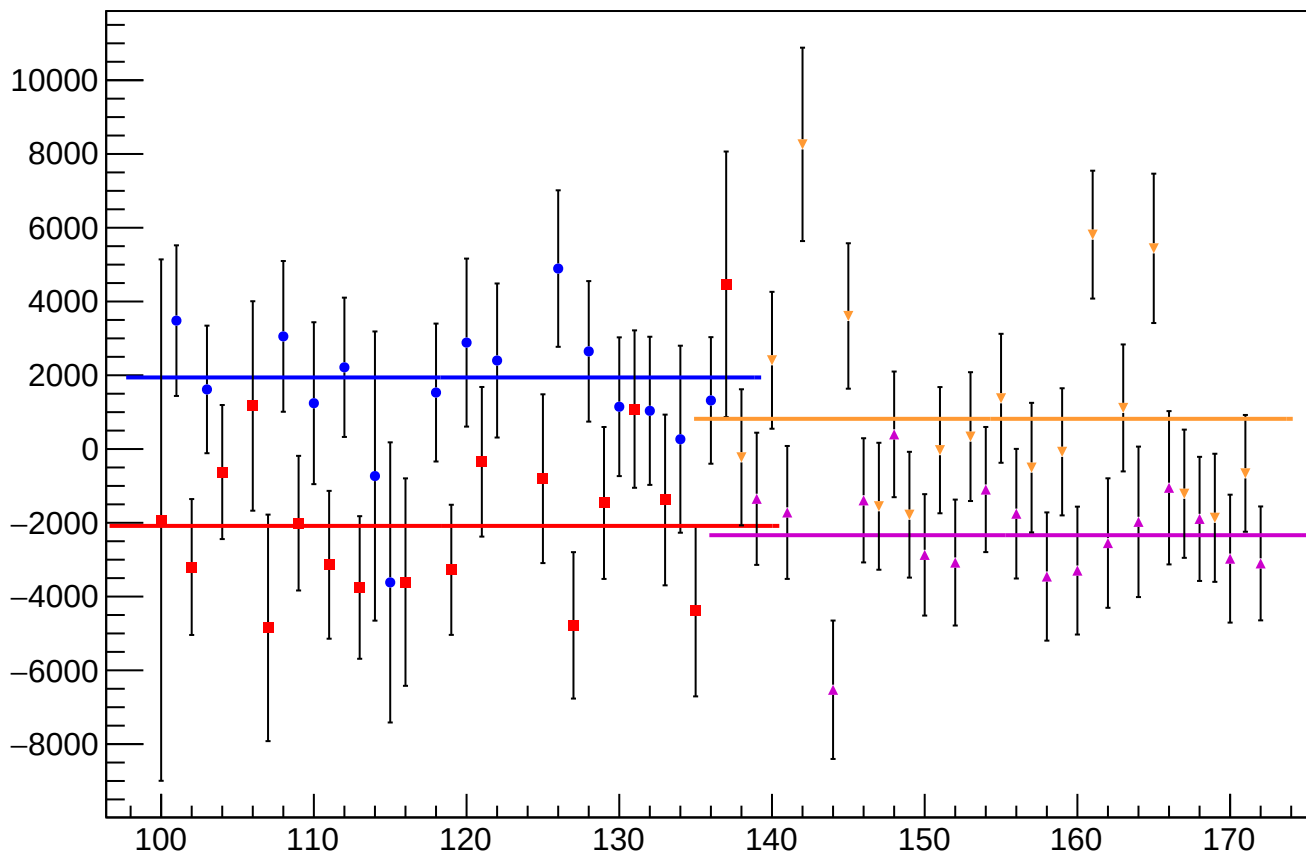
Left In: 5401.057+/-1.041 χ^2/NDF : 993817.3/16

+ sign 4253.216+/-0.697 χ^2/NDF : 3608031.5/32

All: 4227.483+/-0.486 χ^2/NDF : 7442256.6/67

- sign 4203.158+/-0.677 χ^2/NDF : 3831571.4/34

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1941.031 $\pm$ 522.174 χ^2/NDF : 6.9/15

Left Out: 819.053 $\pm$ 434.322 χ^2/NDF : 34.8/16

Right Out: -2084.166 $\pm$ 519.587 χ^2/NDF : 14.5/17

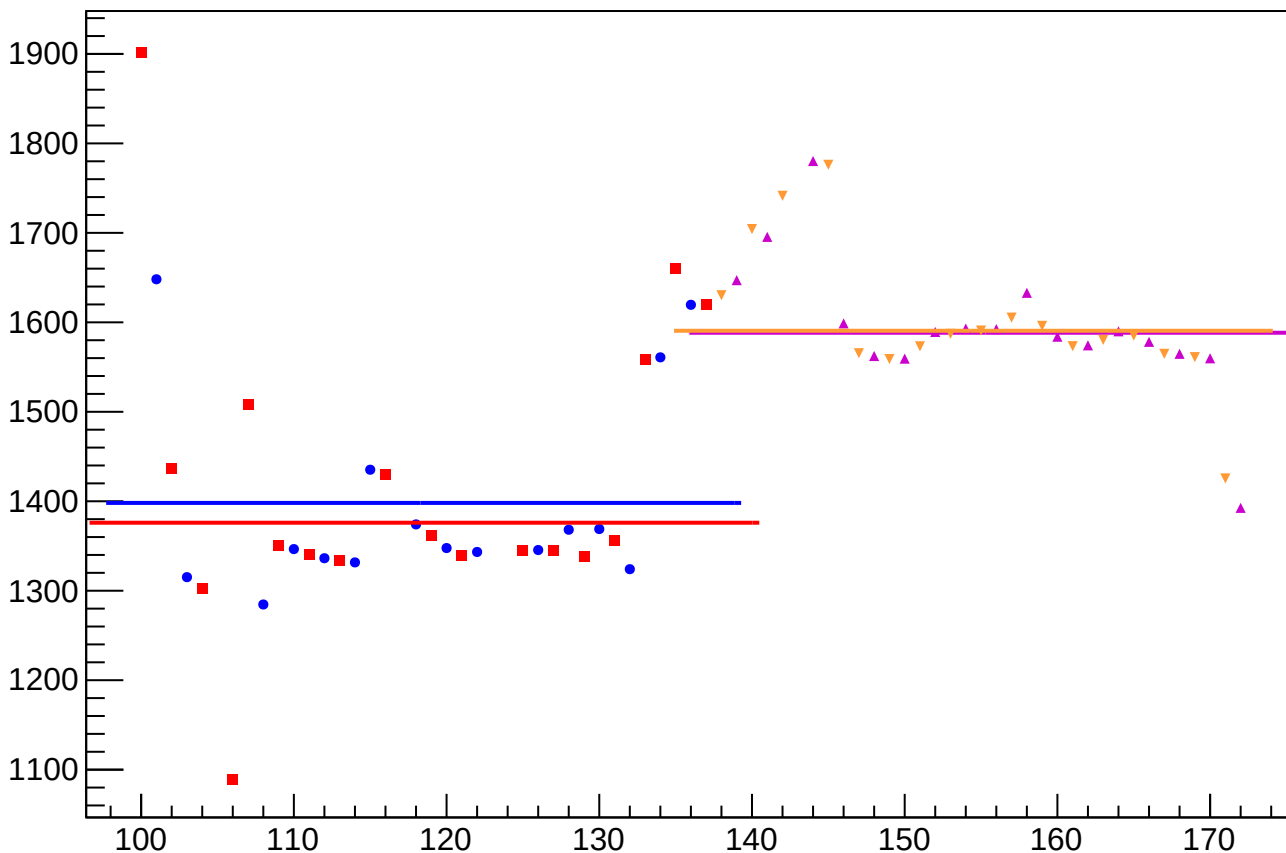
Left In: -2336.156 $\pm$ 424.510 χ^2/NDF : 10.8/16

+ sign 1277.854 $\pm$ 333.914 χ^2/NDF : 44.4/32

All: -506.142 $\pm$ 234.263 χ^2/NDF : 126.1/67

- sign -2235.284 $\pm$ 328.741 χ^2/NDF : 25.5/34

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

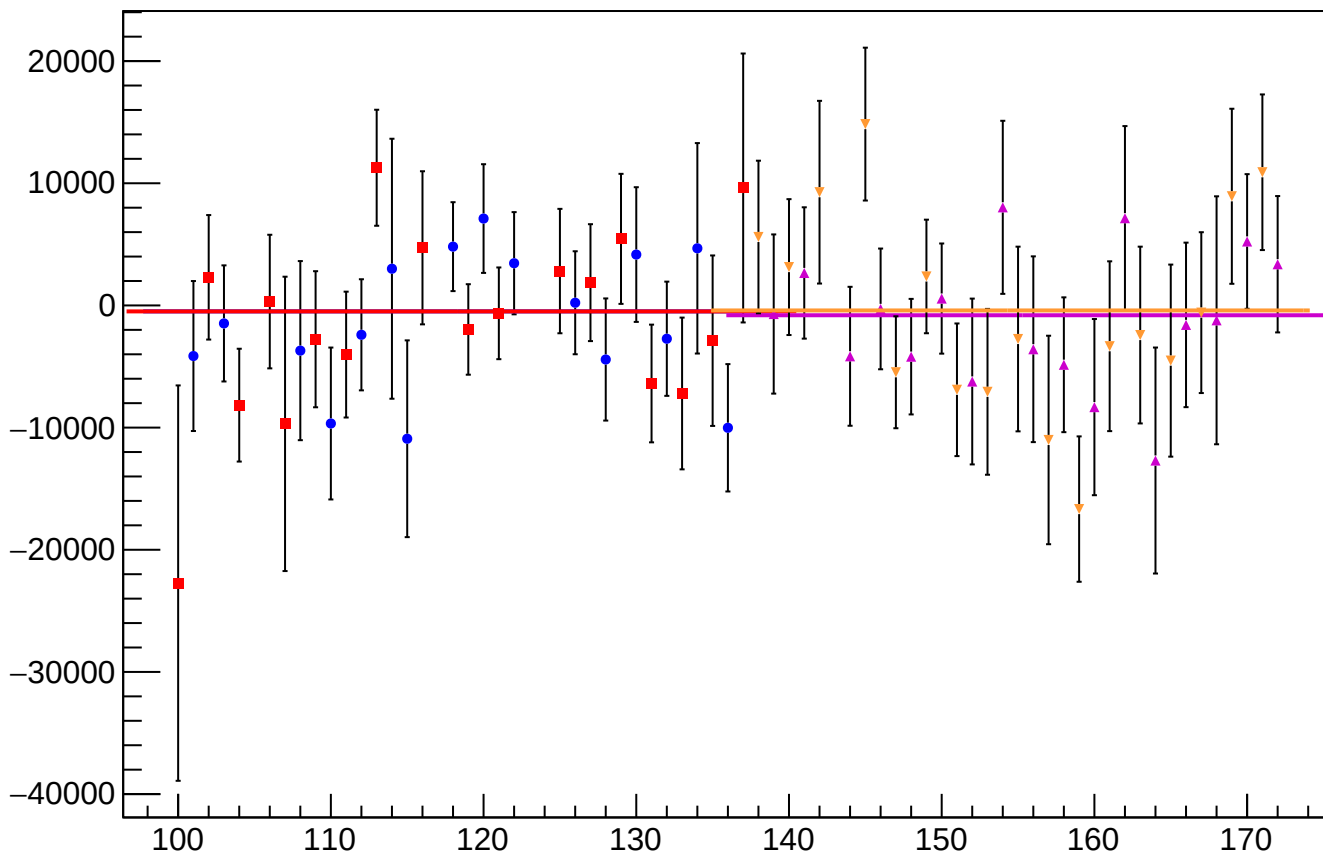
Left In: 1588.367+/-0.300 χ^2/NDF : 65900.9/16

+ sign 1511.892+/-0.236 χ^2/NDF : 311709.9/32

All: 1506.840+/-0.165 χ^2/NDF : 696088.2/67

- sign 1501.996+/-0.231 χ^2/NDF : 383481.6/34

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



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

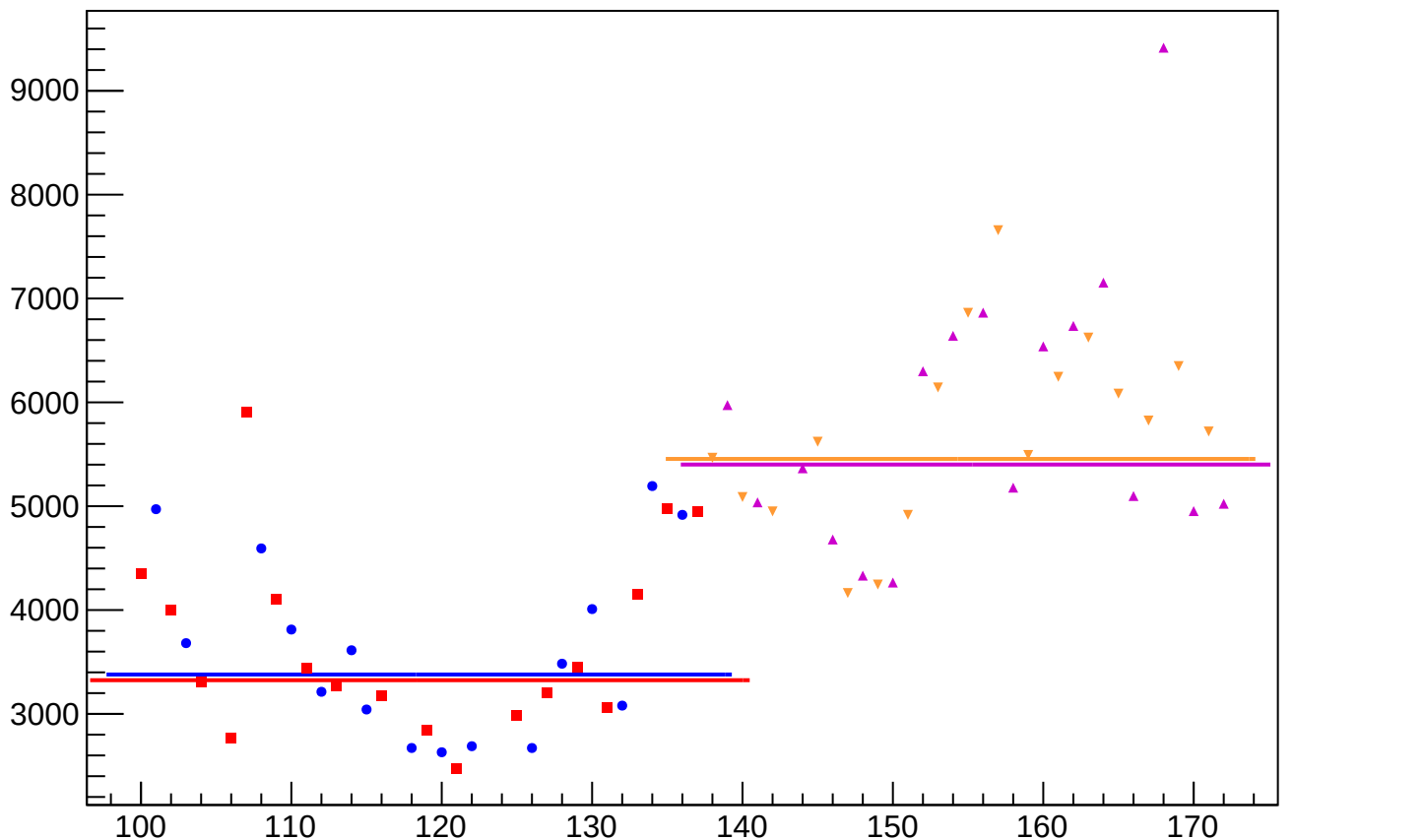
Left In: -804.145+/-1472.690 χ^2/NDF : 9.9/16

+ sign -454.687+/-985.314 χ^2/NDF : 43.4/32

All: -540.757+/-686.854 χ^2/NDF : 72.0/67

- sign -622.118+/-957.980 χ^2/NDF : 28.6/34

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3379.110 $\pm$ 0.916 χ^2/NDF : 755339.9/15

Left Out: 5455.229 $\pm$ 1.074 χ^2/NDF : 688211.2/16

Right Out: 3324.449 $\pm$ 0.892 χ^2/NDF : 543813.3/17

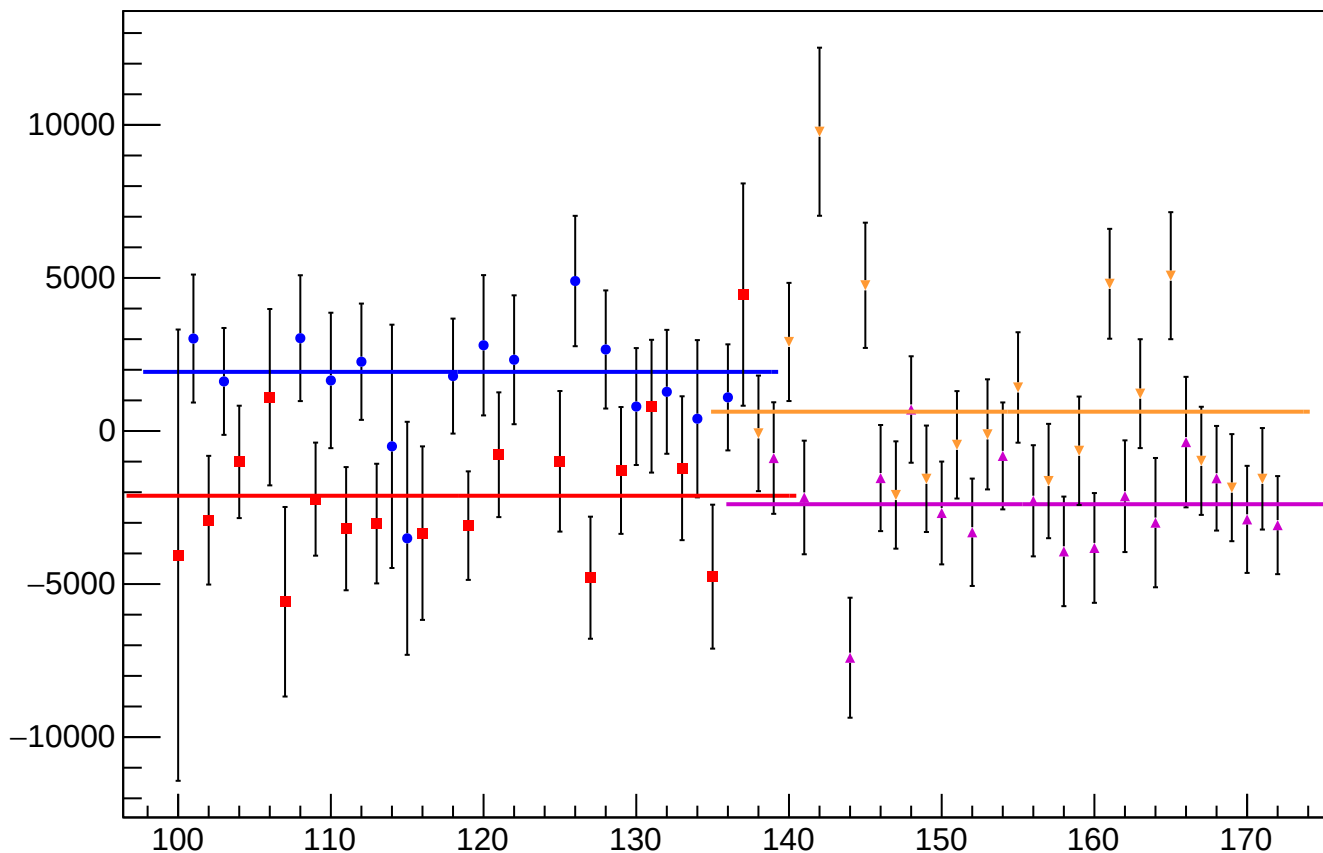
Left In: 5401.057 $\pm$ 1.041 χ^2/NDF : 993817.3/16

+ sign 4253.216 $\pm$ 0.697 χ^2/NDF : 3608031.5/32

All: 4227.483 $\pm$ 0.486 χ^2/NDF : 7442256.6/67

- sign 4203.158 $\pm$ 0.677 χ^2/NDF : 3831571.4/34

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1931.537 $\pm$ 527.135 χ^2 /NDF: 6.4/15

Left Out: 630.858 $\pm$ 447.530 χ^2 /NDF:38.1/16

Right Out: -2115.195 $\pm$ 528.802 χ^2 /NDF: 13.2/17

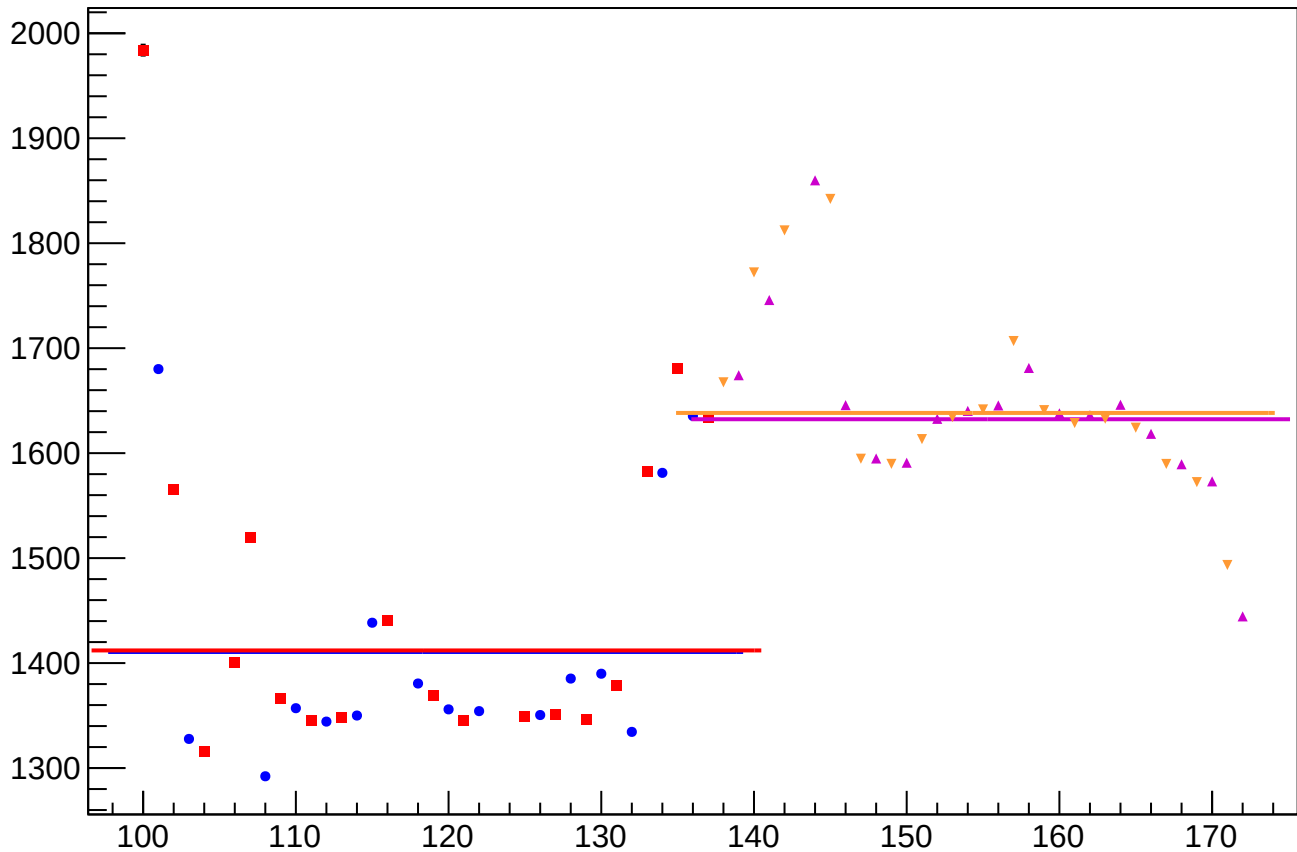
Left In: -2391.873 $\pm$ 436.317 χ^2 /NDF:14.7/16

+ sign 1175.668 $\pm$ 341.161 χ^2 /NDF: 48.0/32

All: -575.601 $\pm$ 239.589 χ^2 /NDF: 128.1/67

- sign -2279.806 $\pm$ 336.546 χ^2 /NDF: 28.0/34

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

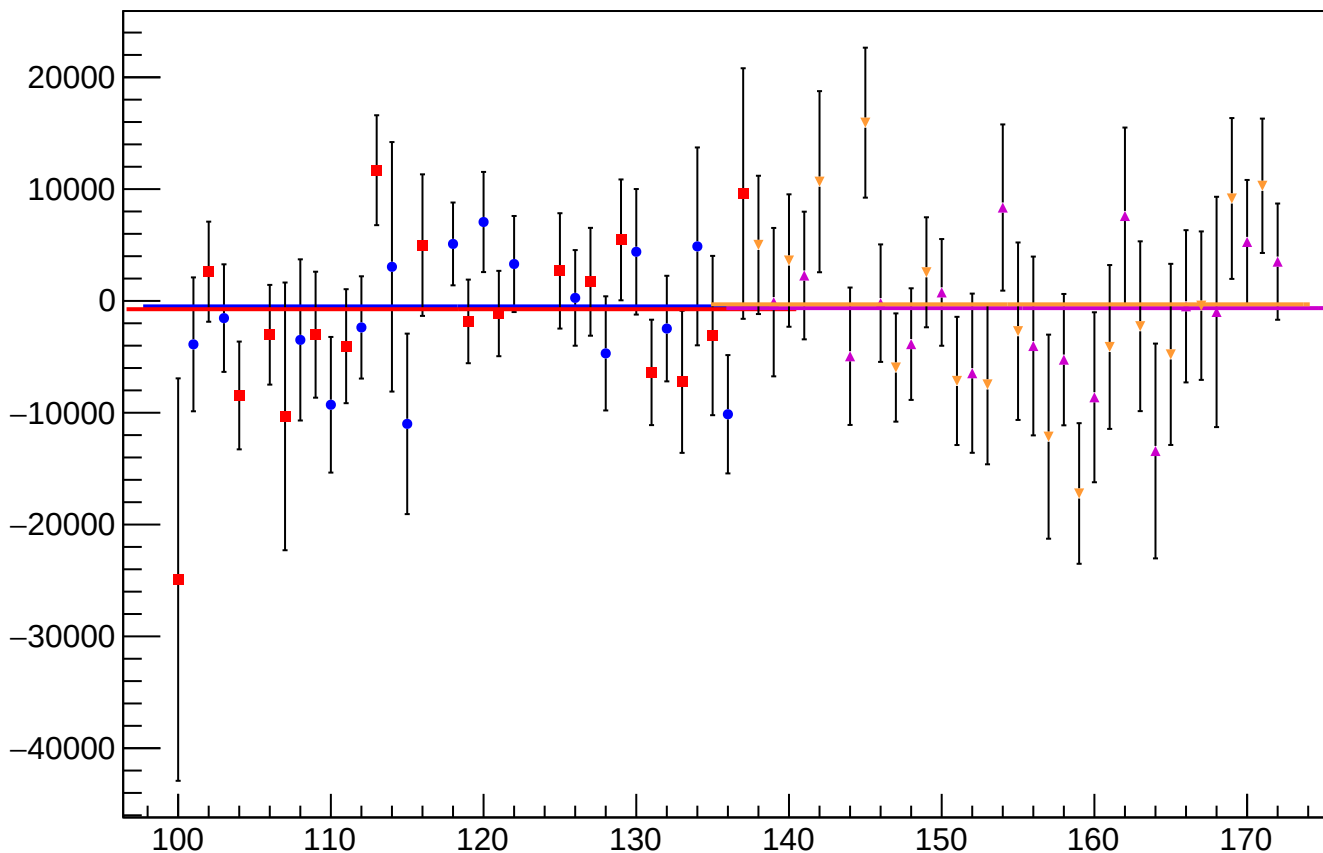
Left In: 1632.304 ± 0.309 χ^2/NDF : 70657.3/16

+ sign 1542.929 ± 0.241 χ^2/NDF : 379725.7/32

All: 1542.867 ± 0.169 χ^2/NDF : 747179.2/67

- sign 1542.807 ± 0.238 χ^2/NDF : 367453.3/34

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -489.402 $\pm$ 1308.692 χ^2 /NDF: 15.8/15

Left Out: -304.125 $\pm$ 1580.556 χ^2 /NDF: 27.5/16

Right Out: -740.592 $\pm$ 1247.947 χ^2 /NDF: 19.2/17

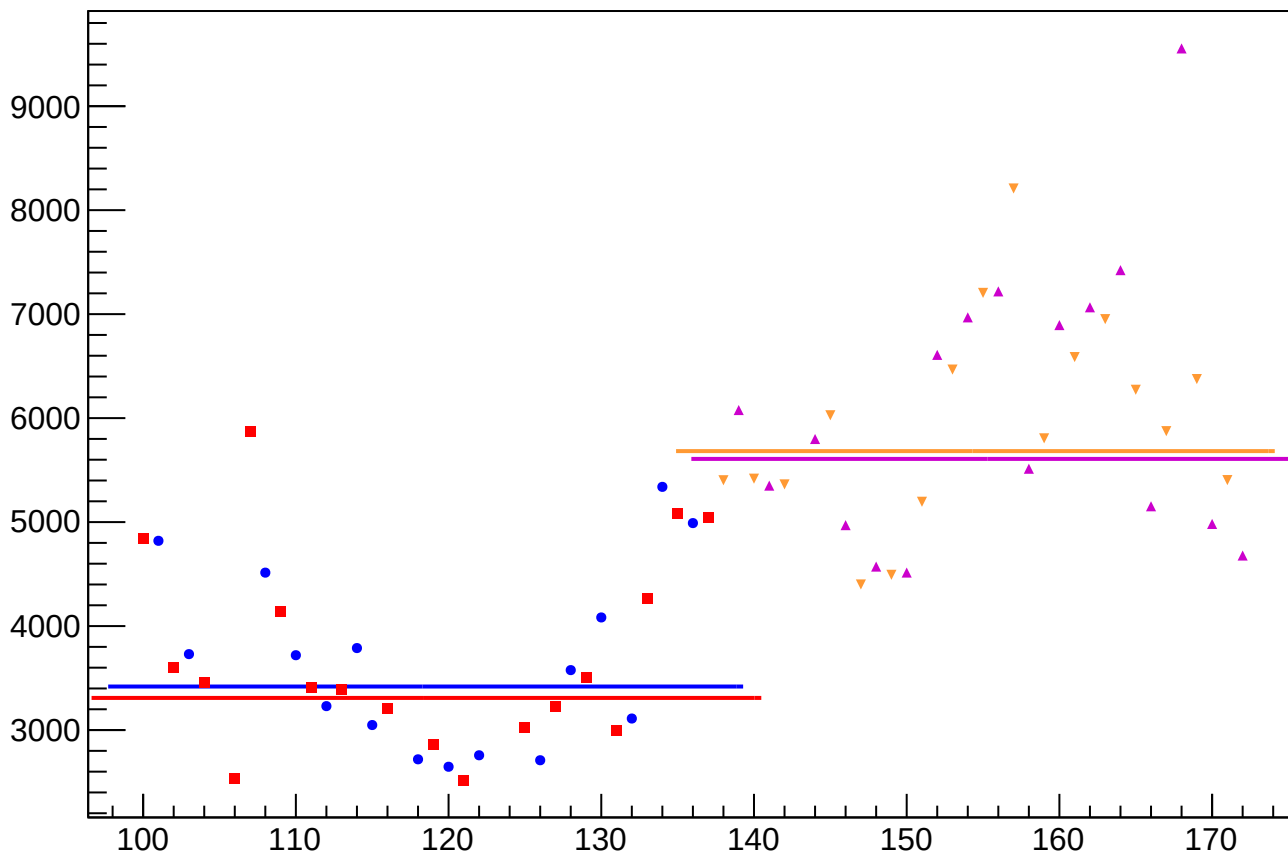
Left In: -643.755 $\pm$ 1529.747 χ^2 /NDF: 9.9/16

+ sign -414.044 $\pm$ 1008.006 χ^2 /NDF: 43.4/32

All: -563.946 $\pm$ 697.816 χ^2 /NDF: 72.5/67

- sign -701.897 $\pm$ 966.992 χ^2 /NDF: 29.1/34

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3418.701 $\pm$ 0.925 χ^2 /NDF: 721215.3/15

Left Out: 5682.738 $\pm$ 1.118 χ^2 /NDF: 661435.8/16

Right Out: 3309.112 $\pm$ 0.882 χ^2 /NDF: 571940.6/17

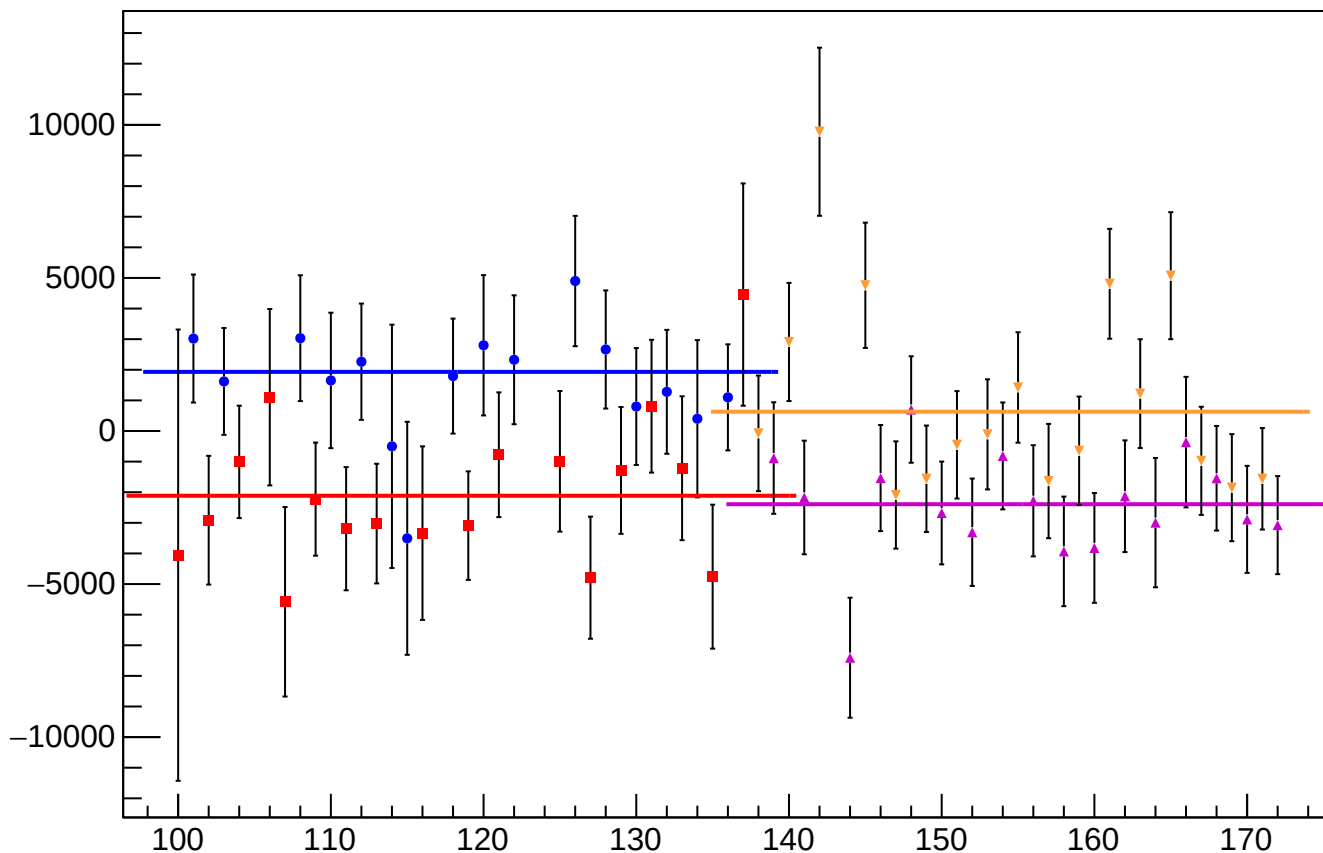
Left In: 5607.735 $\pm$ 1.082 χ^2 /NDF: 1013688.7/16

+ sign 4339.554 $\pm$ 0.713 χ^2 /NDF: 3817259.9/32

All: 4281.254 $\pm$ 0.493 χ^2 /NDF: 8127049.1/67

- sign 4227.602 $\pm$ 0.684 χ^2 /NDF: 4296942.3/34

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

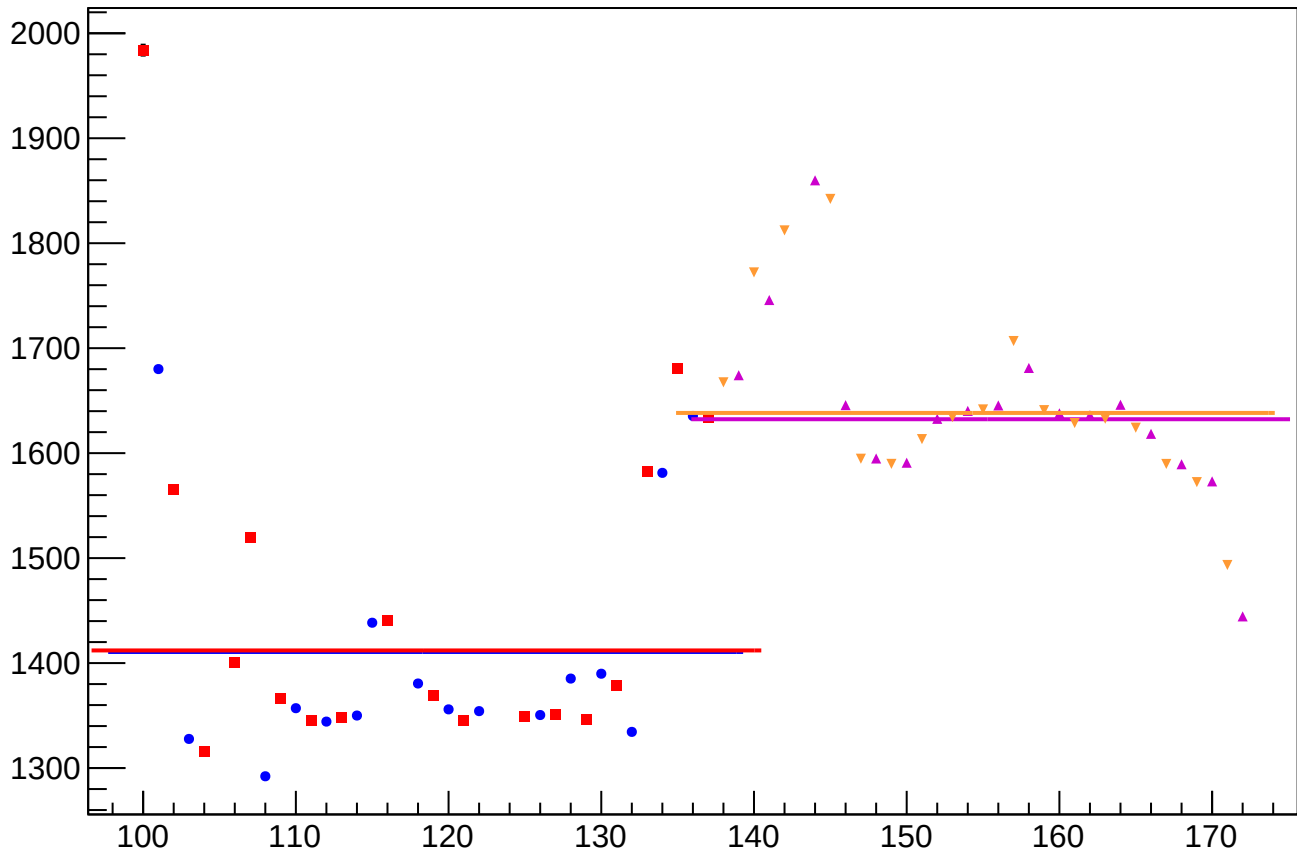
Left In: -2391.874 ± 436.317 χ^2/NDF : 14.7/16

+ sign 1175.666 ± 341.162 χ^2/NDF : 48.0/32

All: -575.603 ± 239.589 χ^2/NDF : 128.1/67

- sign -2279.807 ± 336.546 χ^2/NDF : 28.0/34

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1410.595 $\pm$ 0.373 χ^2 /NDF: 99150.0/15

Left Out: 1638.313 $\pm$ 0.316 χ^2 /NDF: 63682.5/16

Right Out: 1412.048 $\pm$ 0.373 χ^2 /NDF: 89704.6/17

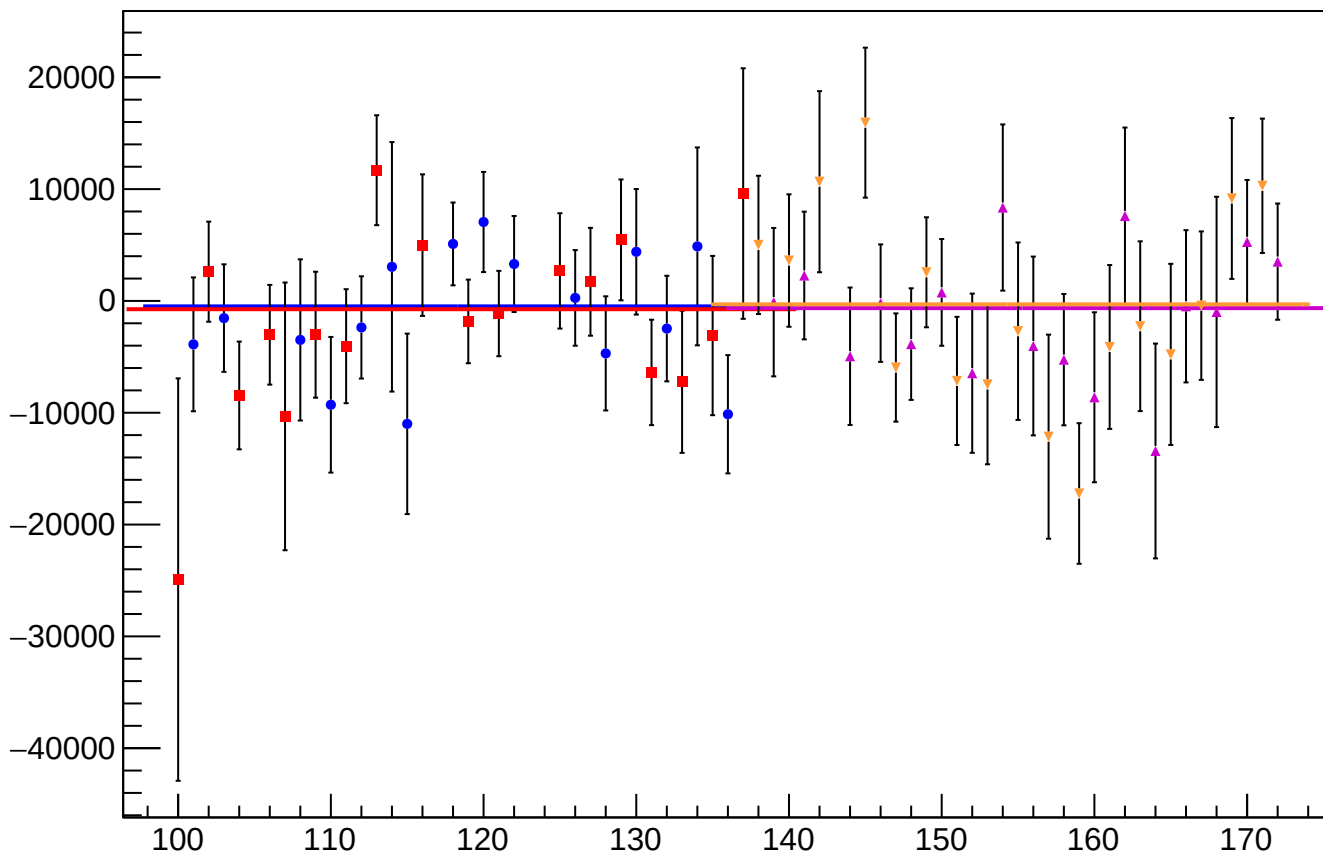
Left In: 1632.305 $\pm$ 0.309 χ^2 /NDF: 70659.6/16

+ sign 1542.930 $\pm$ 0.241 χ^2 /NDF: 379729.3/32

All: 1542.867 $\pm$ 0.169 χ^2 /NDF: 747186.8/67

- sign 1542.807 $\pm$ 0.238 χ^2 /NDF: 367457.4/34

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



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

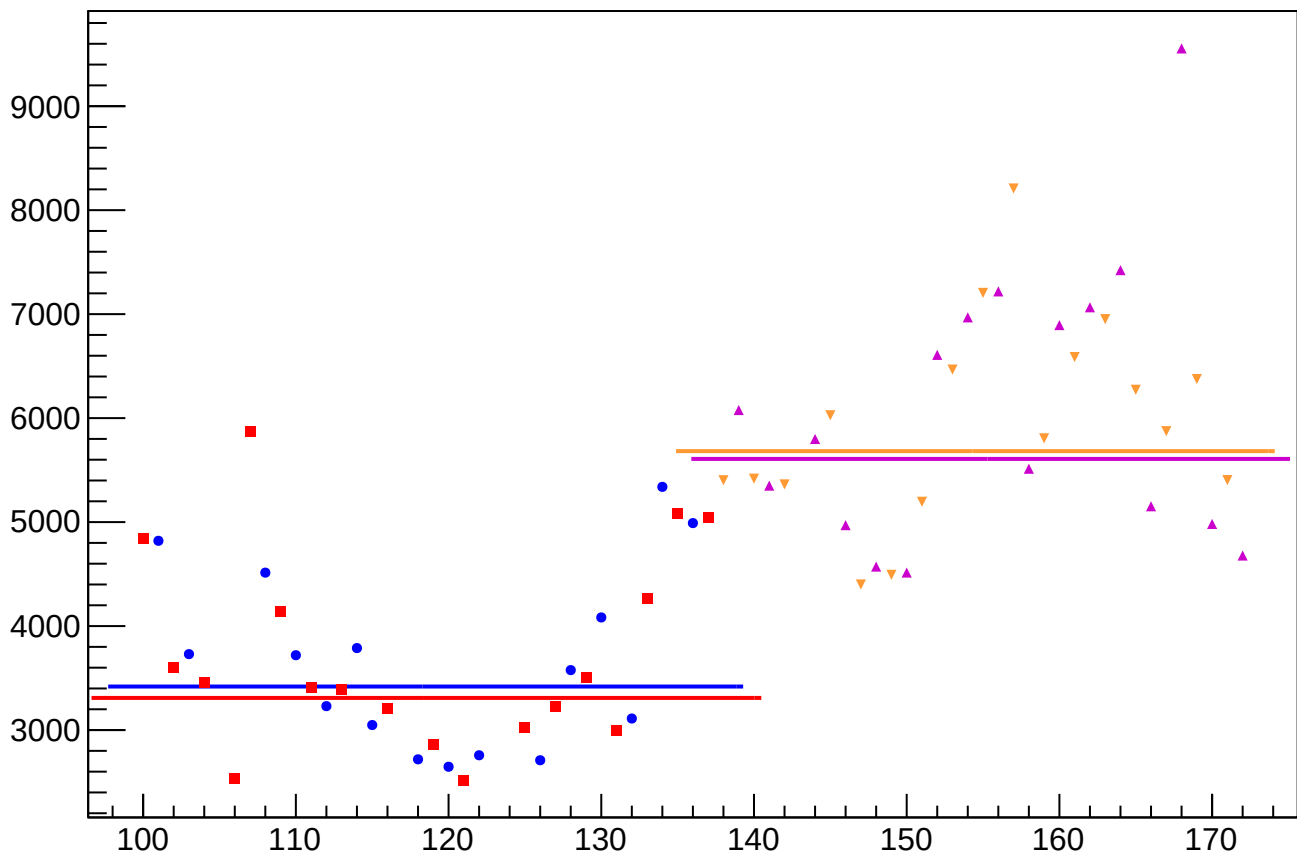
Left In: -643.755+/-1529.749 χ^2/NDF : 9.9/16

+ sign -414.044+/-1008.005 χ^2/NDF : 43.4/32

All: -563.947+/-697.815 χ^2/NDF : 72.5/67

- sign -701.899+/-966.991 χ^2/NDF : 29.1/34

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3418.690 $\pm$ 0.925 χ^2/NDF : 721223.9/15

Left Out: 5682.746 $\pm$ 1.118 χ^2/NDF : 661438.0/16

Right Out: 3309.102 $\pm$ 0.882 χ^2/NDF : 571944.5/17

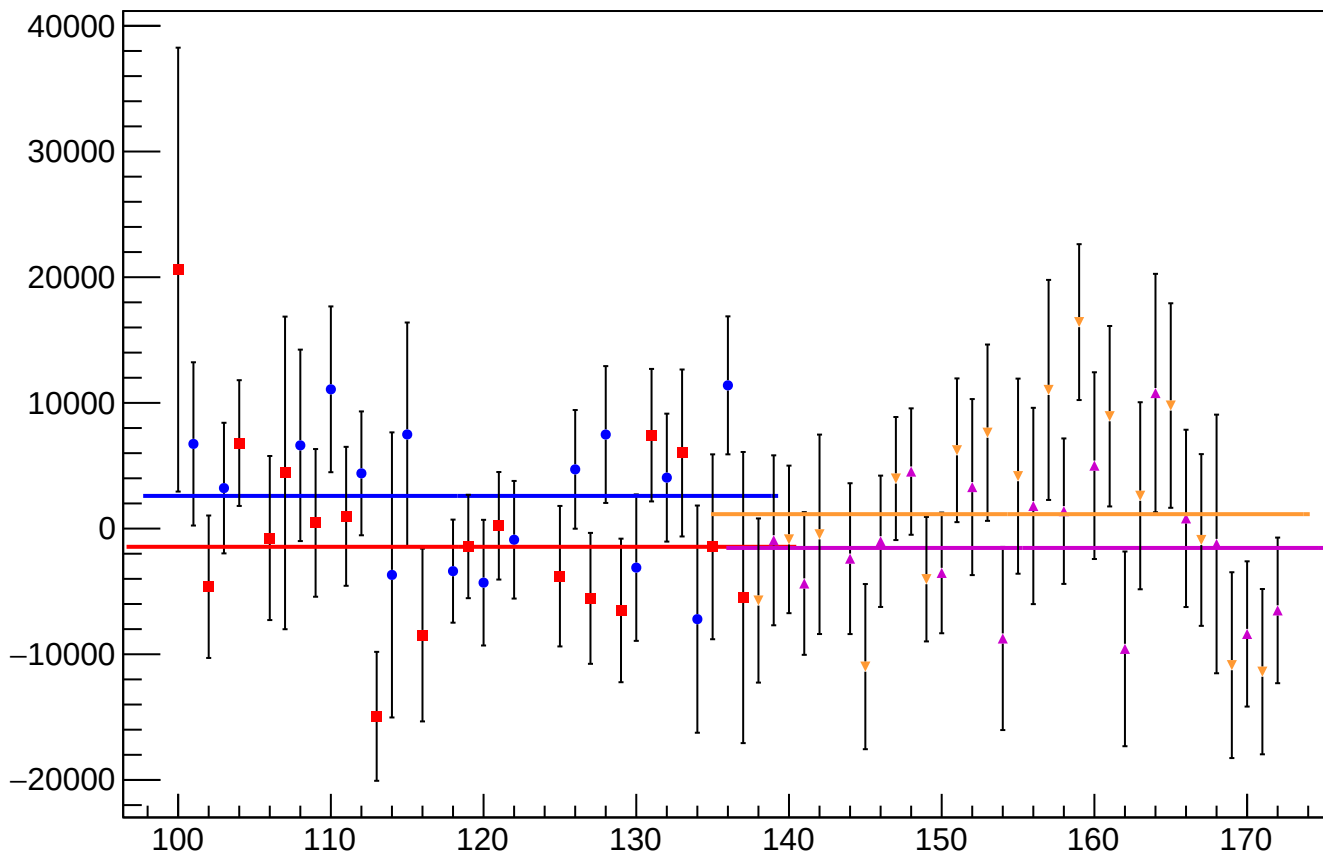
Left In: 5607.743 $\pm$ 1.082 χ^2/NDF : 1013690.0/16

+ sign 4339.545 $\pm$ 0.713 χ^2/NDF : 3817313.7/32

All: 4281.246 $\pm$ 0.493 χ^2/NDF : 8127151.2/67

- sign 4227.595 $\pm$ 0.684 χ^2/NDF : 4296990.8/34

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

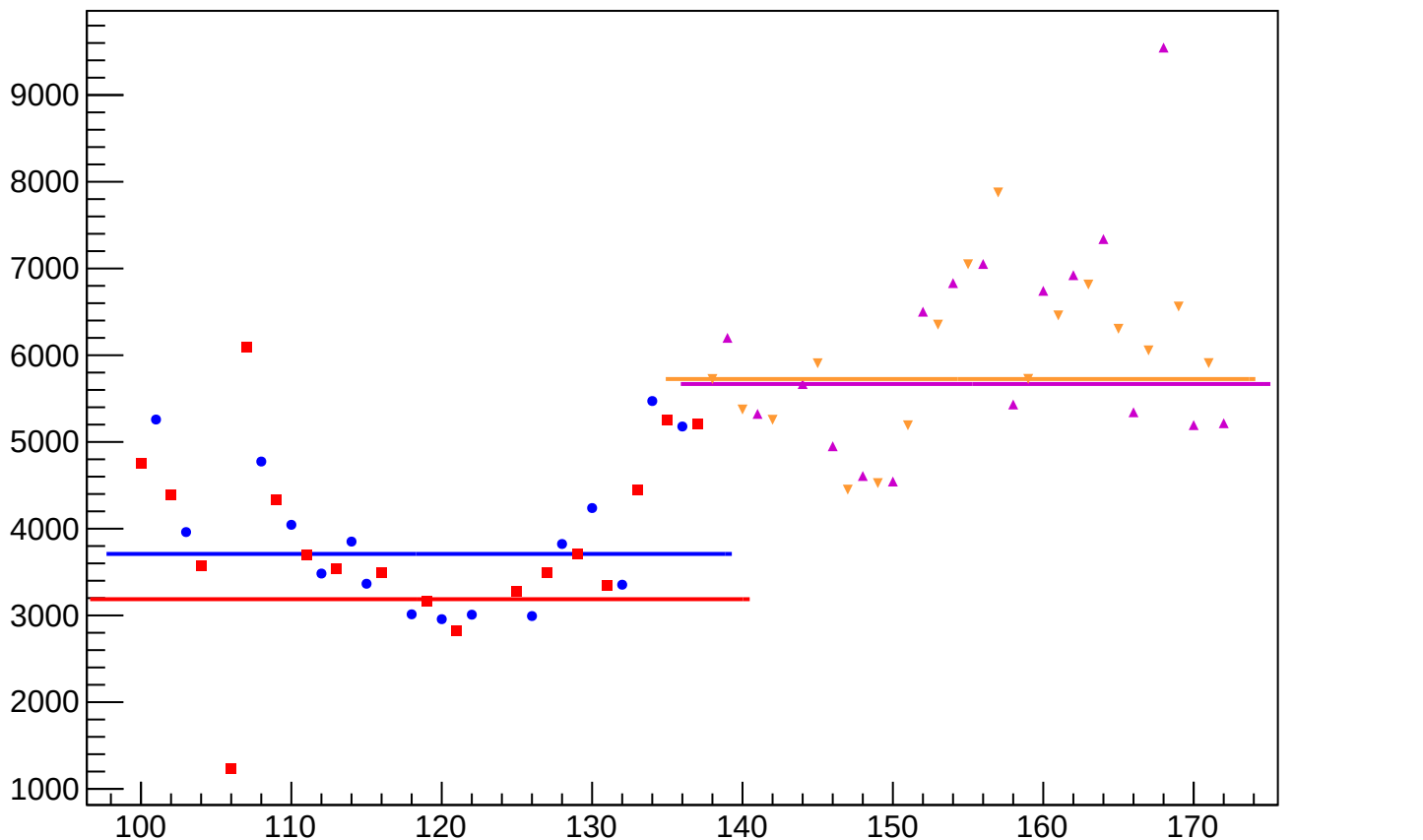
Left In: -1540.945+/-1541.401 χ^2/NDF : 9.6/16

+ sign 1957.651+/-1056.568 χ^2/NDF : 37.9/32

All: 188.383+/-737.282 χ^2/NDF : 72.0/67

- sign -1490.787+/-1029.314 χ^2/NDF : 28.6/34

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

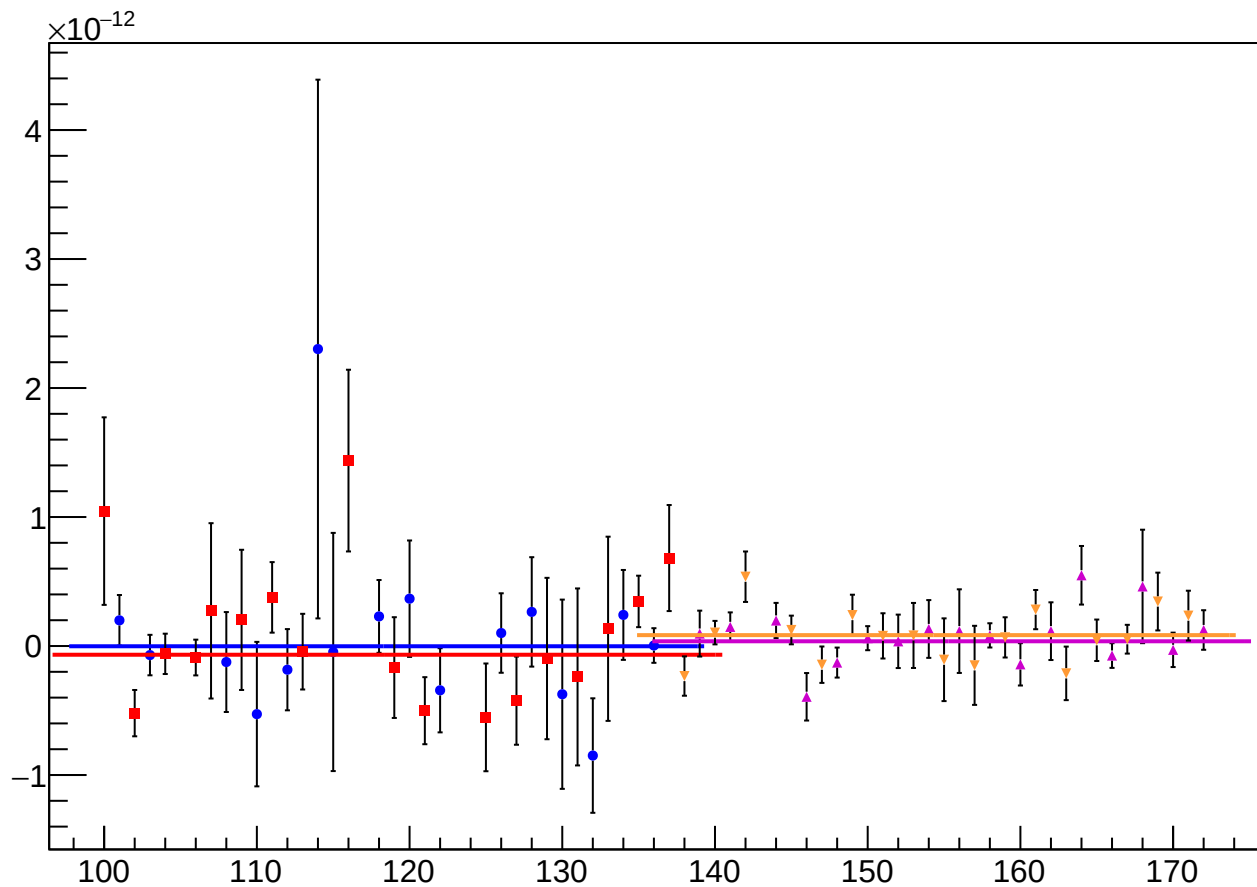
Left In: 5668.291 ± 1.090 χ^2/NDF : 872087.8/16

+ sign 4600.607 ± 0.747 χ^2/NDF : 2994360.6/32

All: 4378.060 ± 0.508 χ^2/NDF : 8735510.5/67

- sign 4187.162 ± 0.692 χ^2/NDF : 5576305.4/34

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

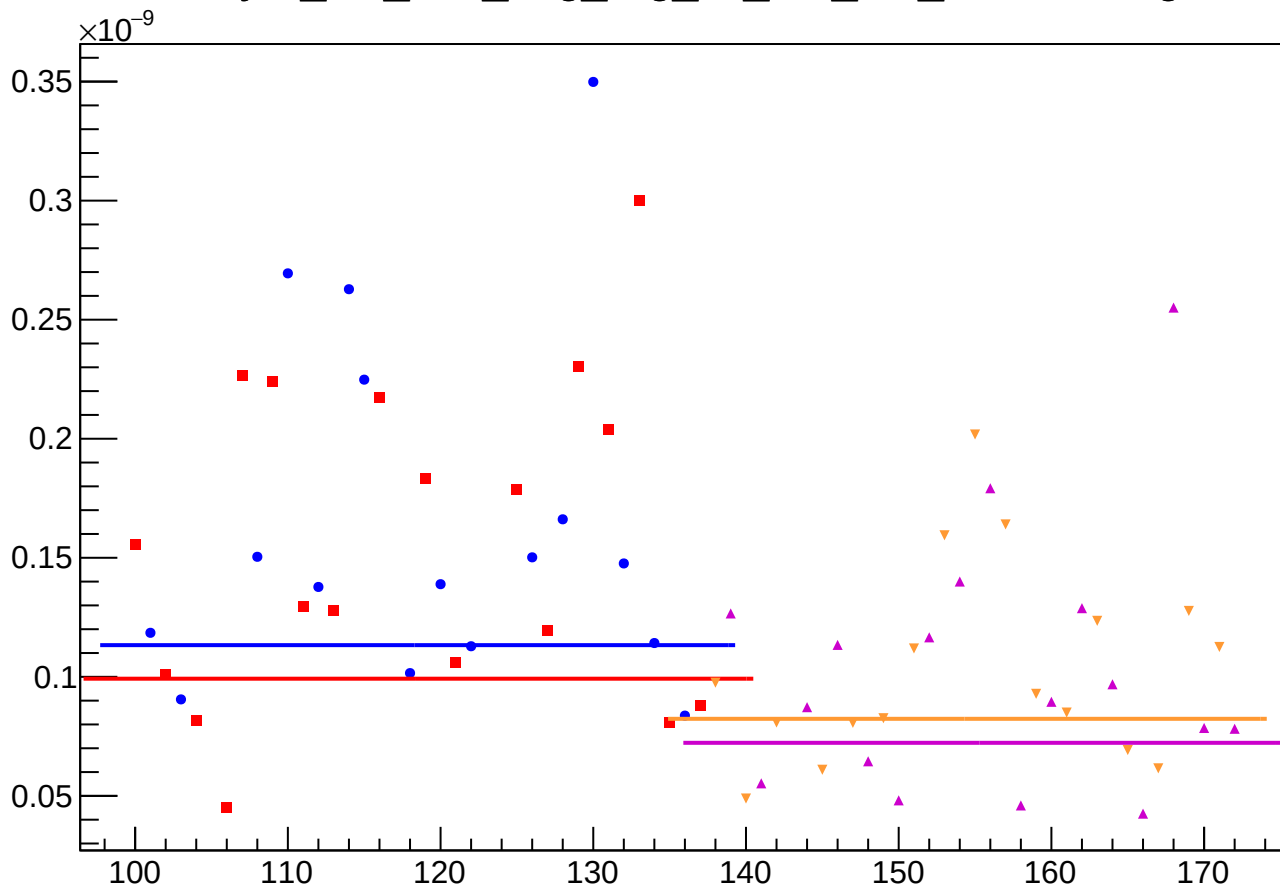
Left In: 0.000+/-0.000 χ^2/NDF : 19.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 32.5/32

All: 0.000+/-0.000 χ^2/NDF : 85.0/67

- sign 0.000+/-0.000 χ^2/NDF : 51.2/34

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



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

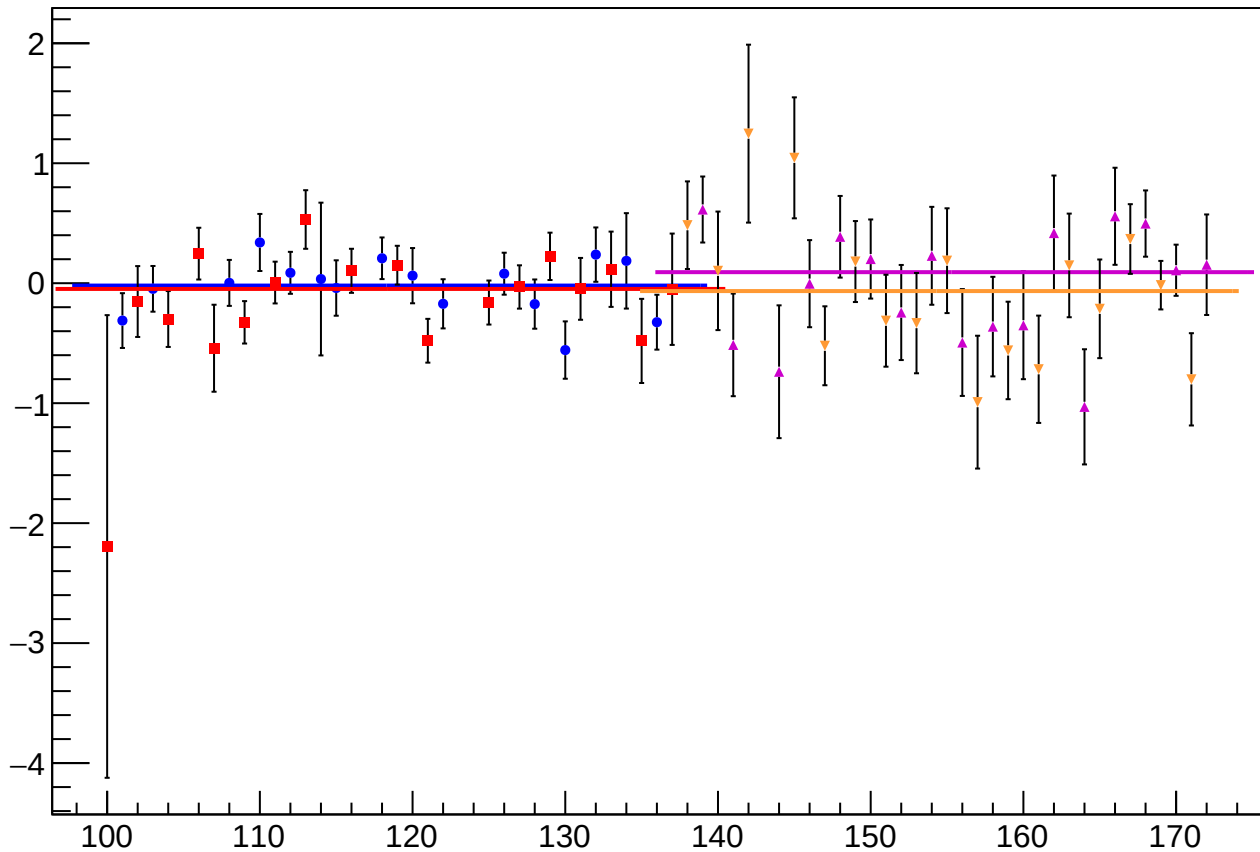
Left In: 0.000+/-0.000 χ^2/NDF : 1867936.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 2285354.1/32

All: 0.000+/-0.000 χ^2/NDF : 5639342.5/67

- sign 0.000+/-0.000 χ^2/NDF : 3232238.1/34

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

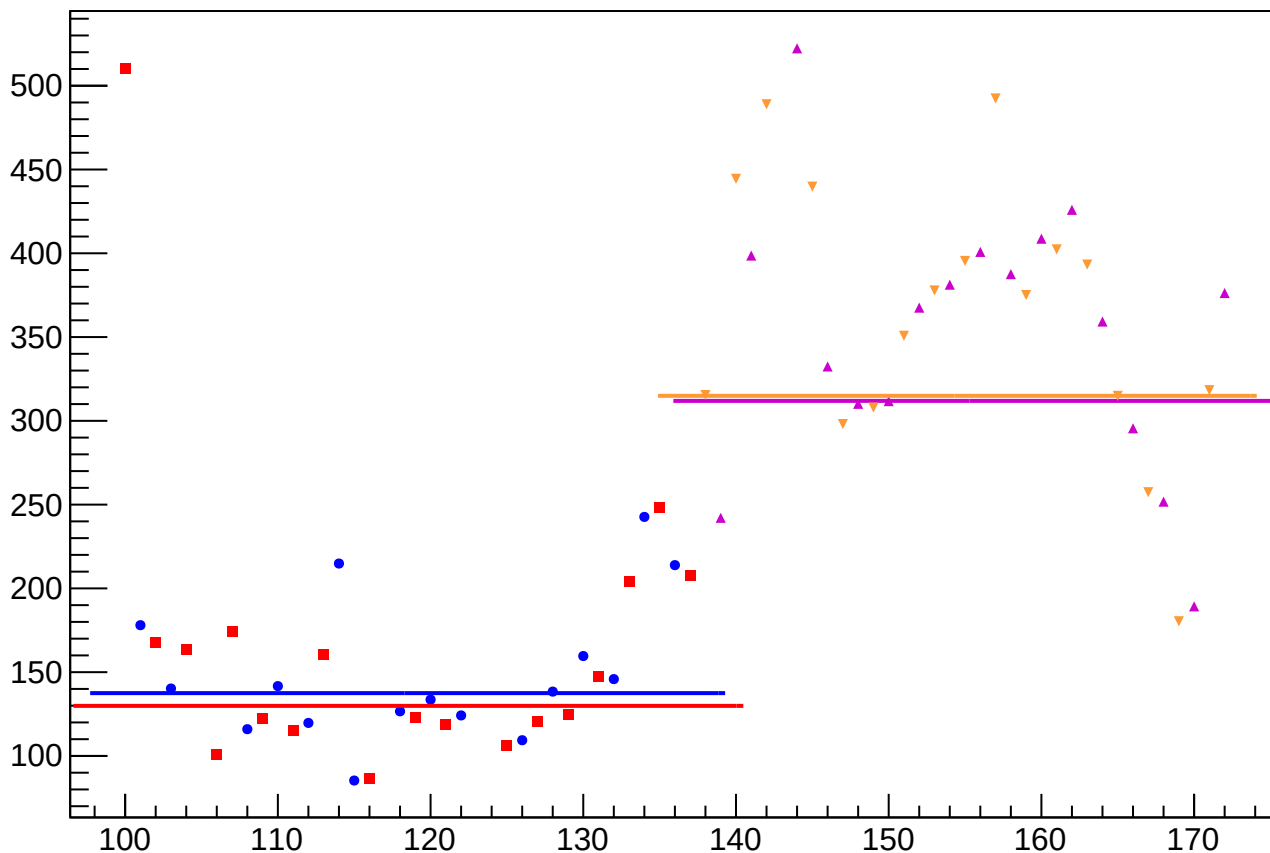
Left In: 0.092 ± 0.087 χ^2/NDF : 23.0/16

+ sign -0.032 ± 0.047 χ^2/NDF : 42.9/32

All: -0.021 ± 0.032 χ^2/NDF : 94.1/67

- sign -0.011 ± 0.045 χ^2/NDF : 51.1/34

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

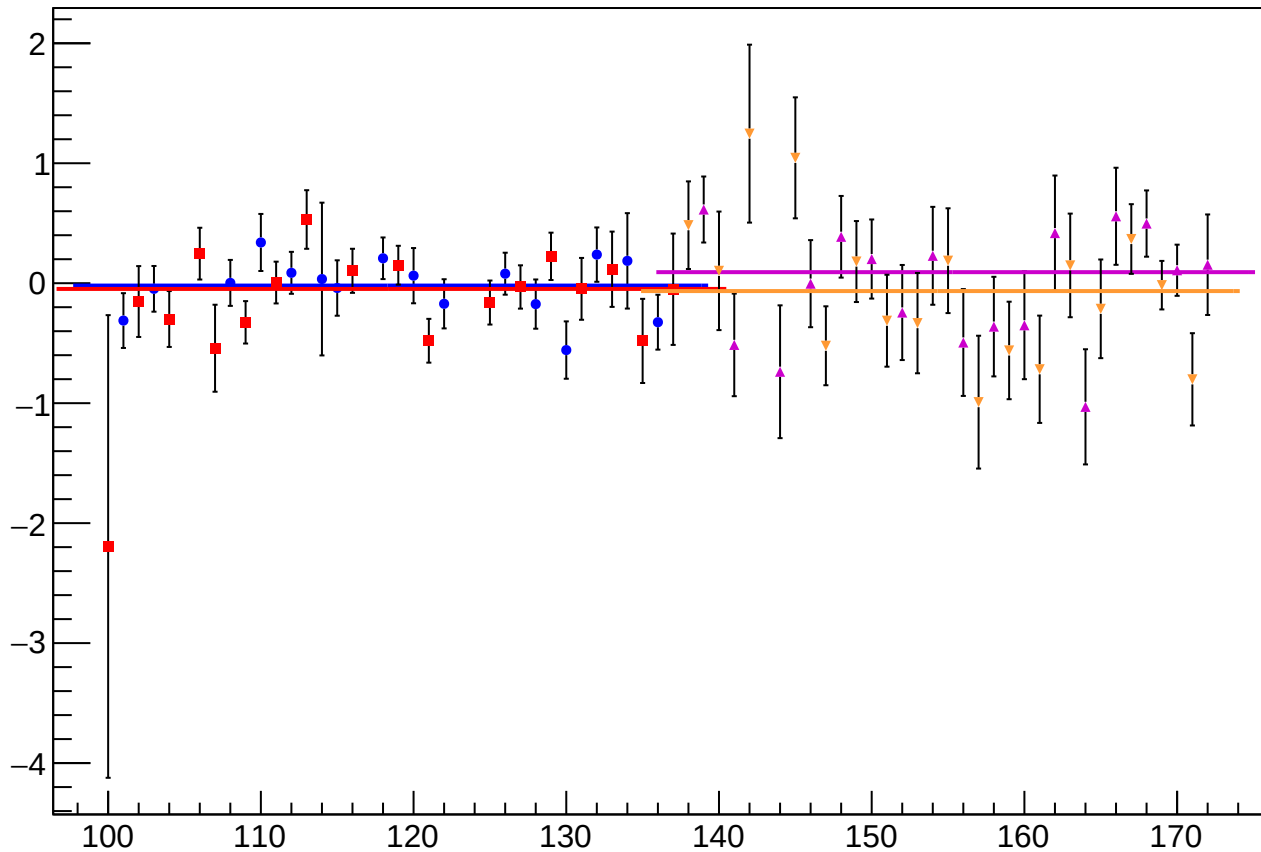
Left In: 311.910 +/- 0.062 χ^2/NDF : 1781963.6/16

+ sign 184.258 +/- 0.033 χ^2/NDF : 8203711.8/32

All: 181.129 +/- 0.023 χ^2/NDF : 17220018.8/67

- sign 178.203 +/- 0.032 χ^2/NDF : 8998797.1/34

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.054 $\chi^2/\text{NDF}: 16.0/15$

Left Out: -0.066 ± 0.091 $\chi^2/\text{NDF}: 26.7/16$

Right Out: -0.048 ± 0.052 $\chi^2/\text{NDF}: 26.3/17$

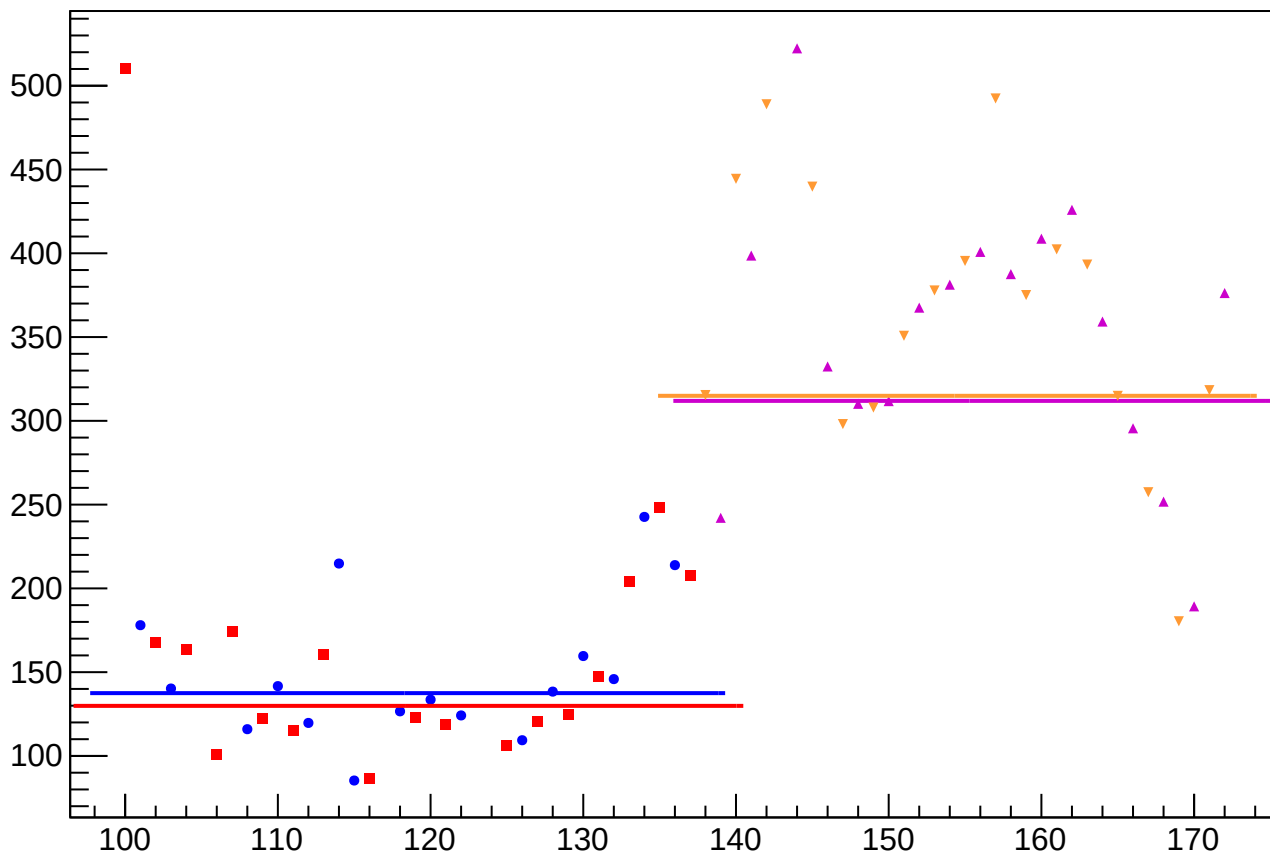
Left In: 0.092 ± 0.087 $\chi^2/\text{NDF}: 23.0/16$

+ sign -0.032 ± 0.047 $\chi^2/\text{NDF}: 42.9/32$

All: -0.021 ± 0.032 $\chi^2/\text{NDF}: 94.1/67$

- sign -0.011 ± 0.045 $\chi^2/\text{NDF}: 51.1/34$

asym_usl_atl2_avg_dit_vs_eigen_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

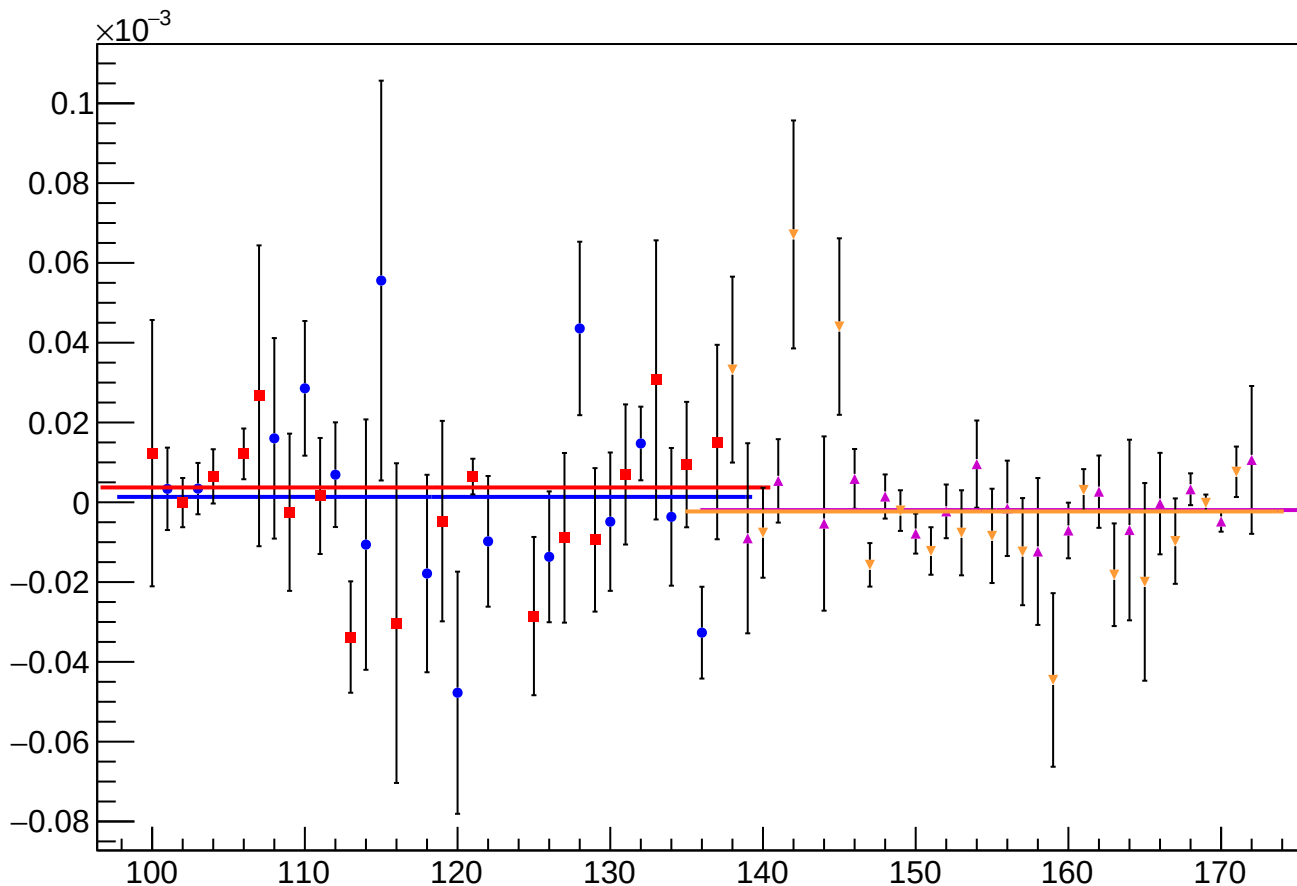
Left In: 311.910 ± 0.062 χ^2/NDF : 1781963.6/16

+ sign 184.258 ± 0.033 χ^2/NDF : 8203711.8/32

All: 181.129 ± 0.023 χ^2/NDF : 17220018.8/67

- sign 178.203 ± 0.032 χ^2/NDF : 8998797.1/34

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

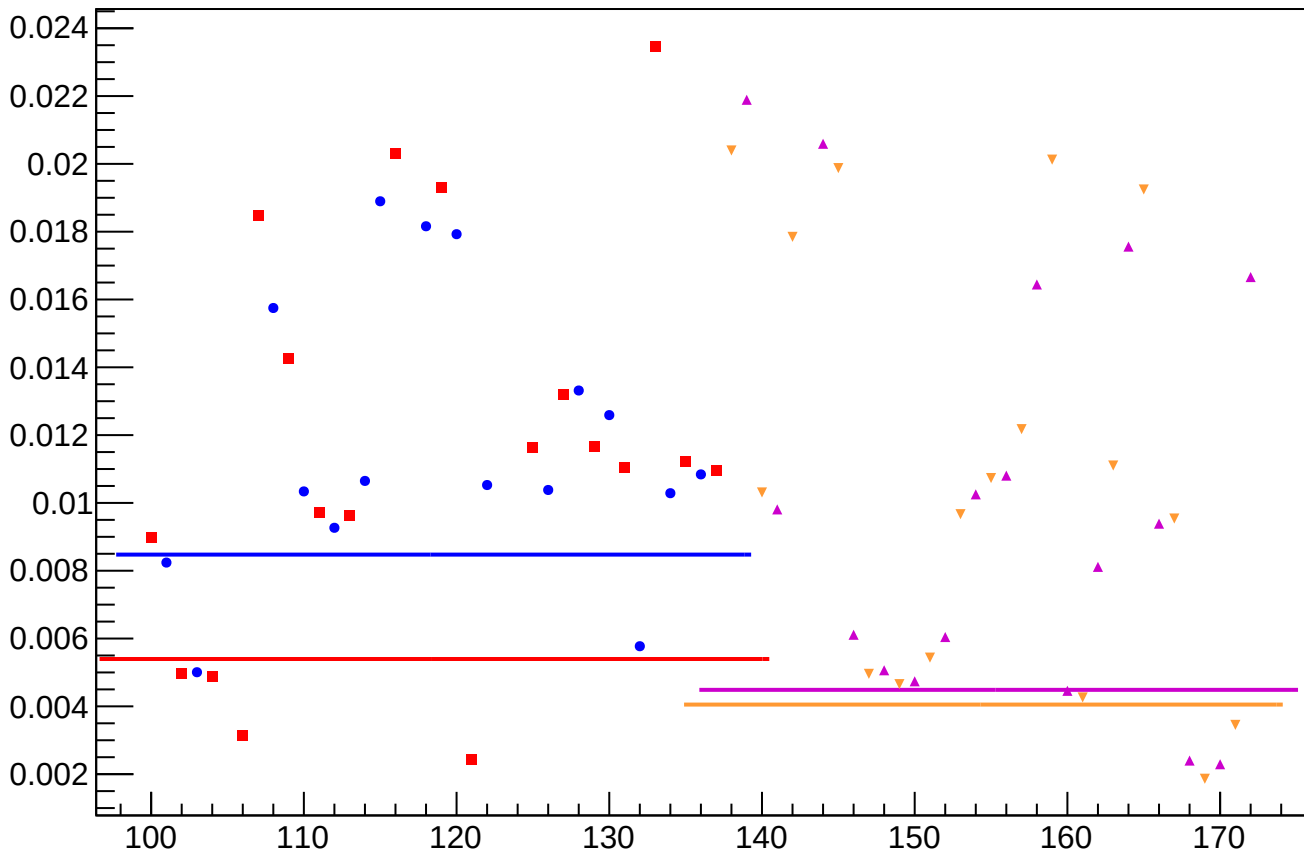
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 58.5/32

All: -0.000 ± 0.000 χ^2/NDF : 87.6/67

- sign -0.000 ± 0.000 χ^2/NDF : 28.6/34

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 1925998.4/15

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 10412549.7/16

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 4909074.3/17

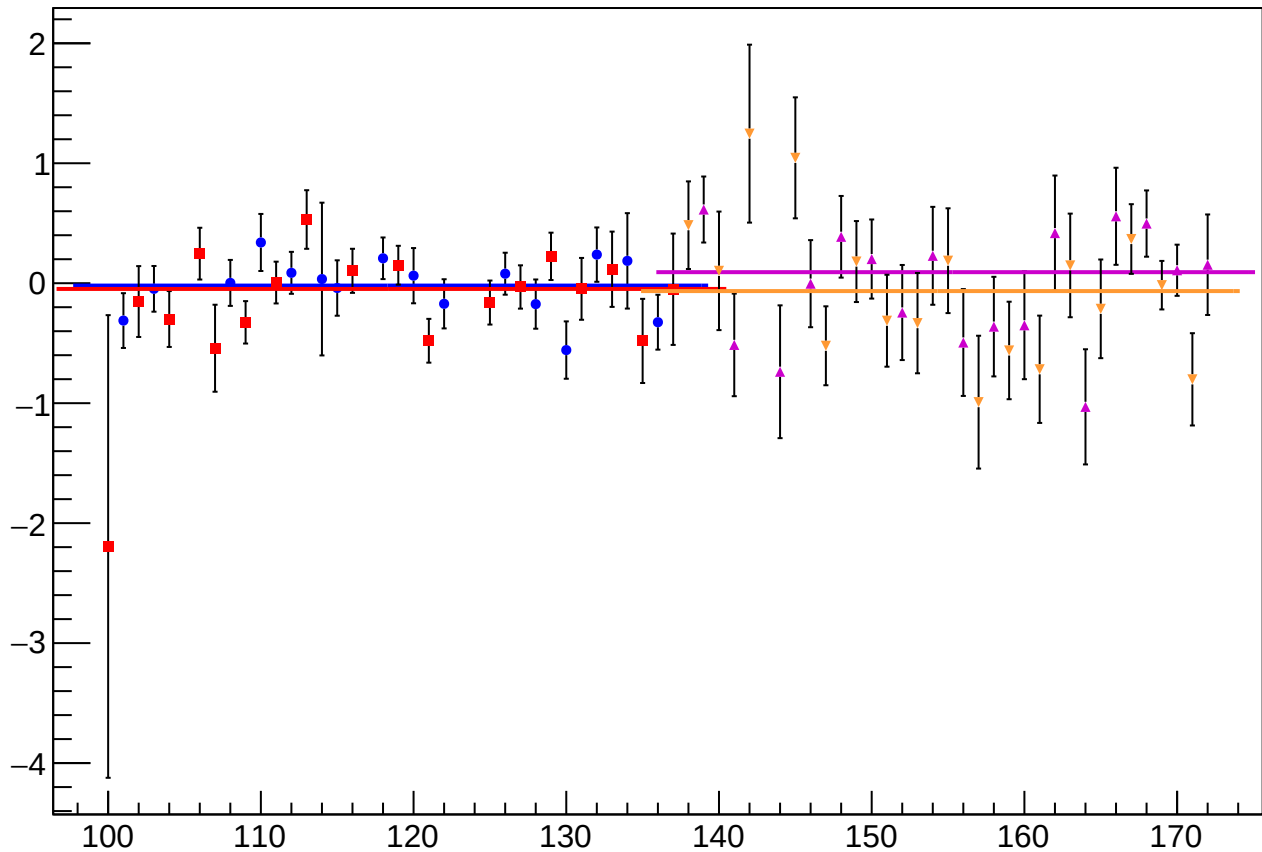
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 9034615.2/16

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 15107678.9/32

All: 0.005 $\pm$ 0.000 χ^2/NDF : 29238325.3/67

- sign 0.005 $\pm$ 0.000 χ^2/NDF : 14130556.1/34

asym_usl_atl2_avg_eigen_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

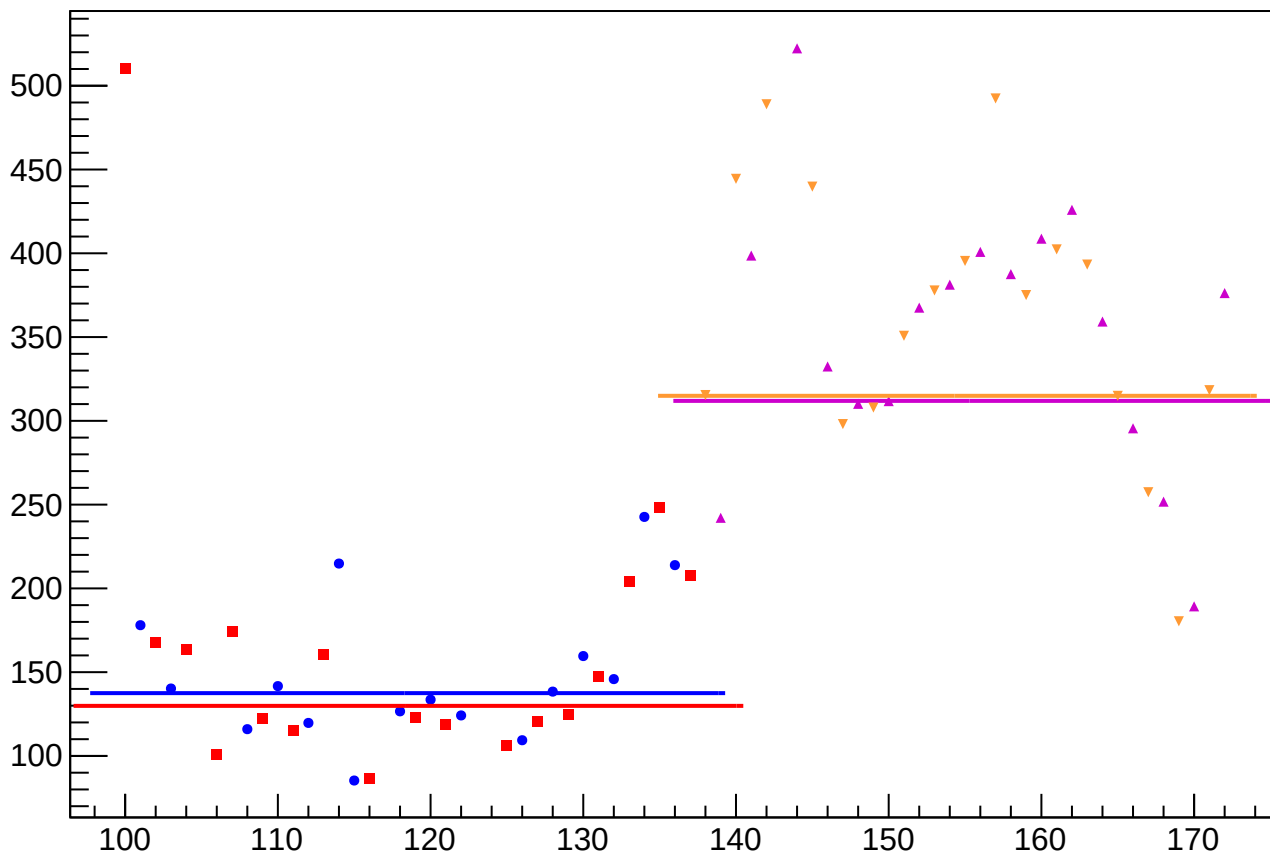
Left In: 0.092 ± 0.087 χ^2/NDF : 23.0/16

+ sign -0.032 ± 0.047 χ^2/NDF : 42.9/32

All: -0.021 ± 0.032 χ^2/NDF : 94.1/67

- sign -0.011 ± 0.045 χ^2/NDF : 51.1/34

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692923.1/15

Left Out: 314.943 $\pm$ 0.064 χ^2 /NDF:1862345.2/16

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833937.8/17

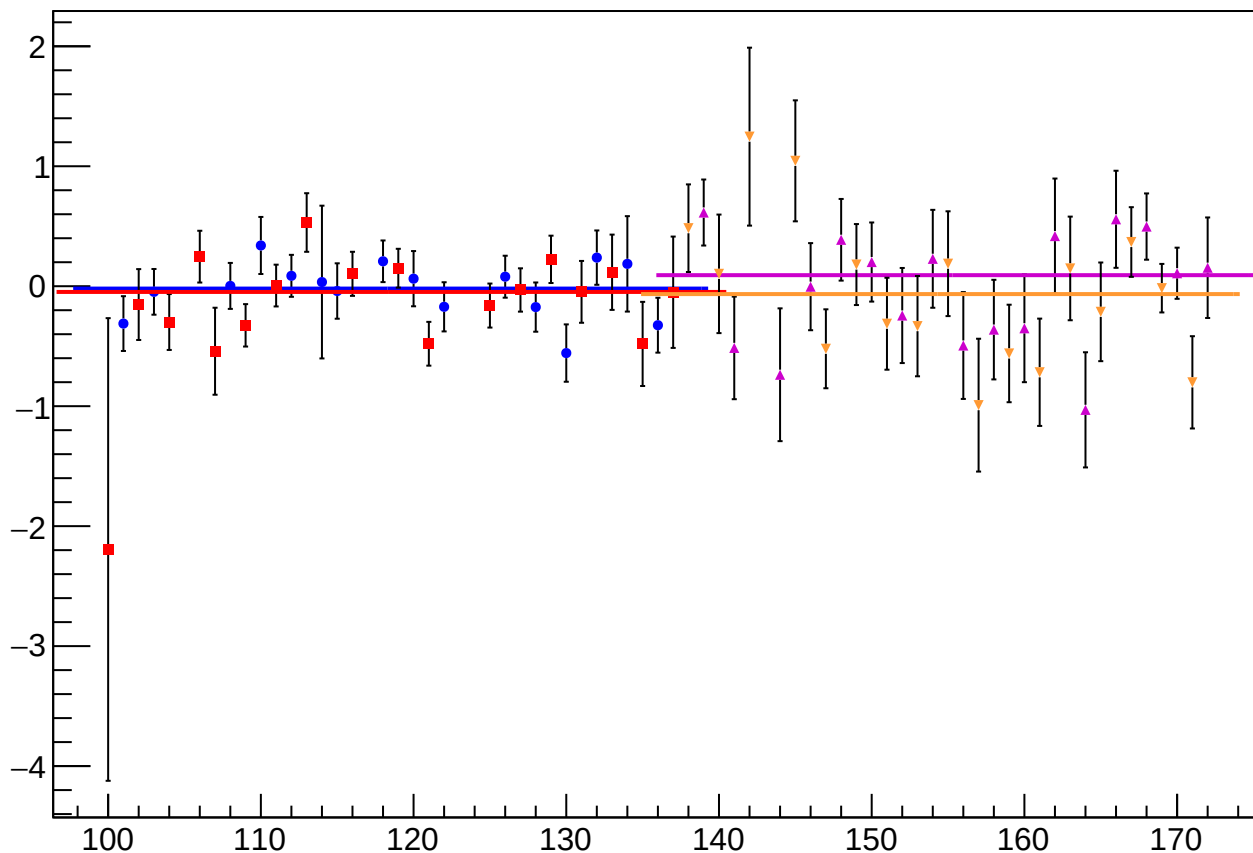
Left In: 311.913 $\pm$ 0.062 χ^2 /NDF:1781968.6/16

+ sign 184.258 $\pm$ 0.033 χ^2 /NDF: 8203872.4/32

All: 181.129 $\pm$ 0.023 χ^2 /NDF: 17220271.2/67

- sign 178.203 $\pm$ 0.032 χ^2 /NDF: 8998889.6/34

asym_usl_atl2_avg_eigen_dit_vs_eigen_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

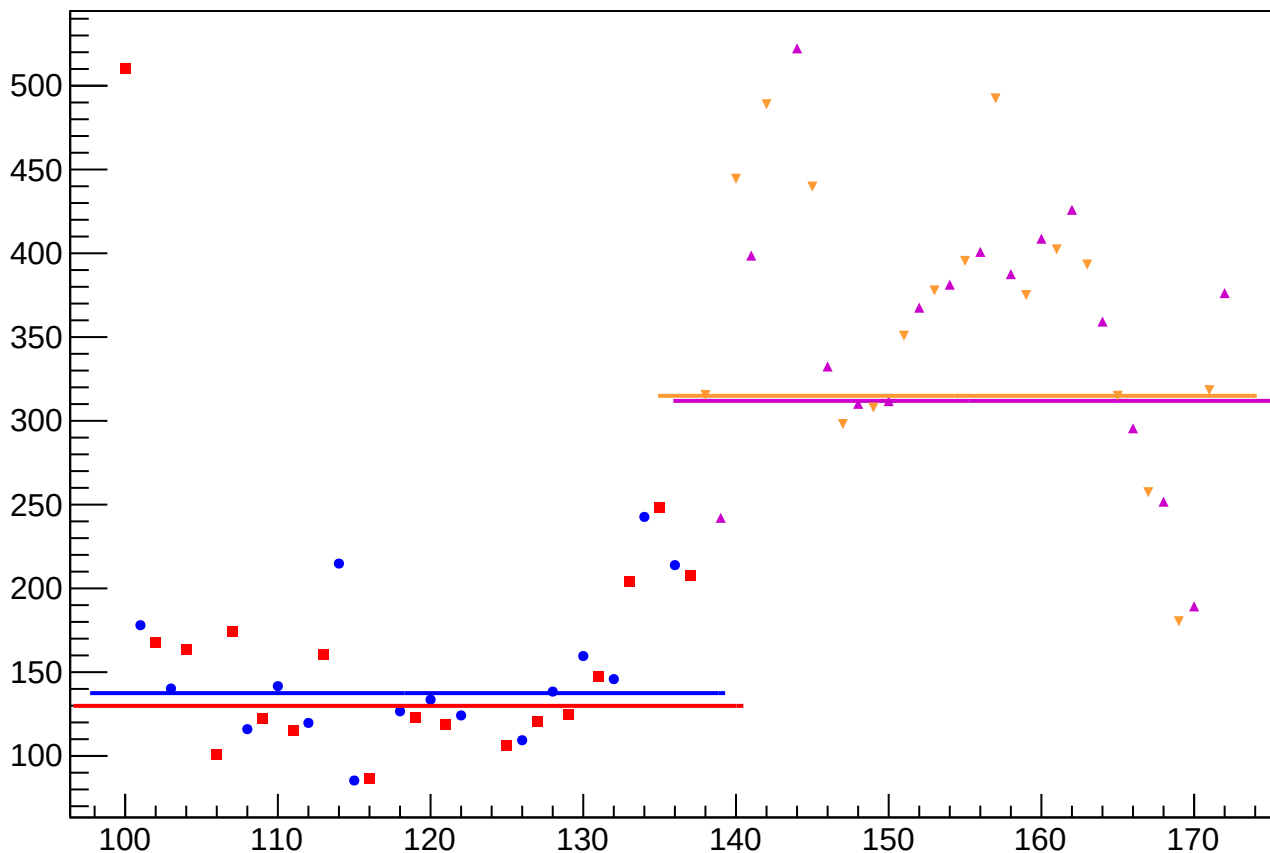
Left In: 0.092 ± 0.087 χ^2/NDF : 23.0/16

+ sign -0.032 ± 0.047 χ^2/NDF : 42.9/32

All: -0.021 ± 0.032 χ^2/NDF : 94.1/67

- sign -0.011 ± 0.045 χ^2/NDF : 51.1/34

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.492 $\pm$ 0.038 χ^2 /NDF: 692923.1/15

Left Out: 314.943 $\pm$ 0.064 χ^2 /NDF:1862345.2/16

Right Out: 129.887 $\pm$ 0.037 χ^2 /NDF: 833937.8/17

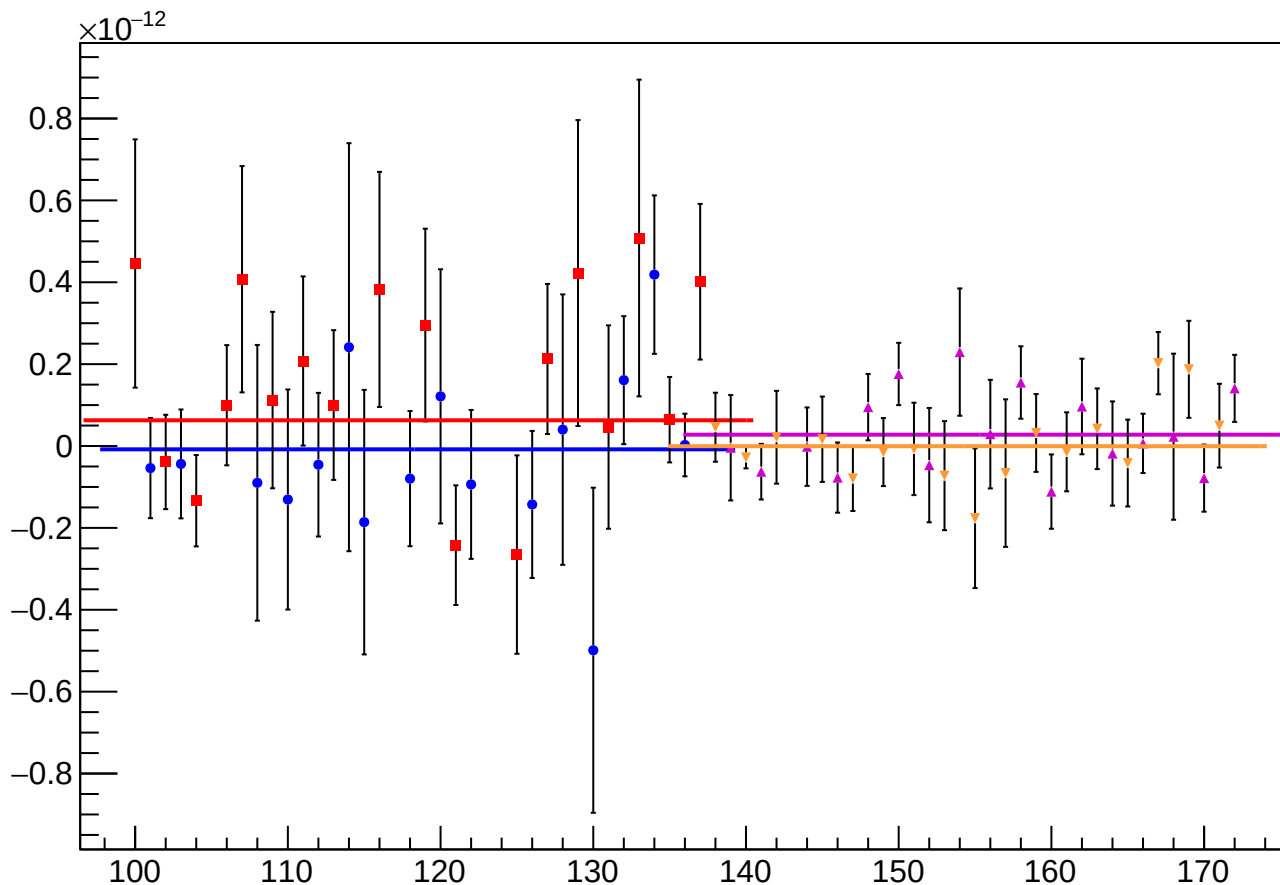
Left In: 311.913 $\pm$ 0.062 χ^2 /NDF:1781968.6/16

+ sign 184.258 $\pm$ 0.033 χ^2 /NDF: 8203872.4/32

All: 181.129 $\pm$ 0.023 χ^2 /NDF: 17220271.2/67

- sign 178.203 $\pm$ 0.032 χ^2 /NDF: 8998889.6/34

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:14.3/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/17

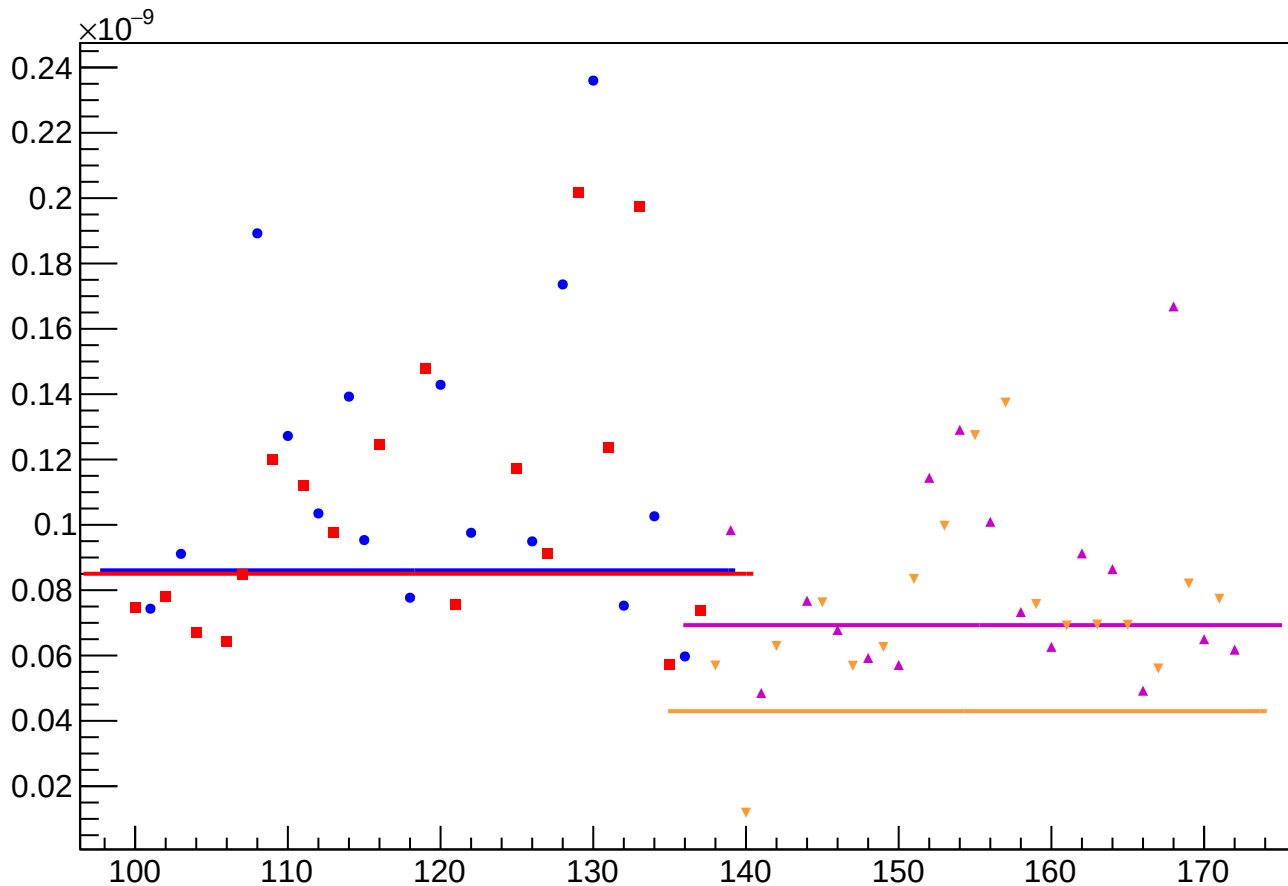
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.4/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.3/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.1/34

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1072075.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:6027048.5/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 983211.4/17

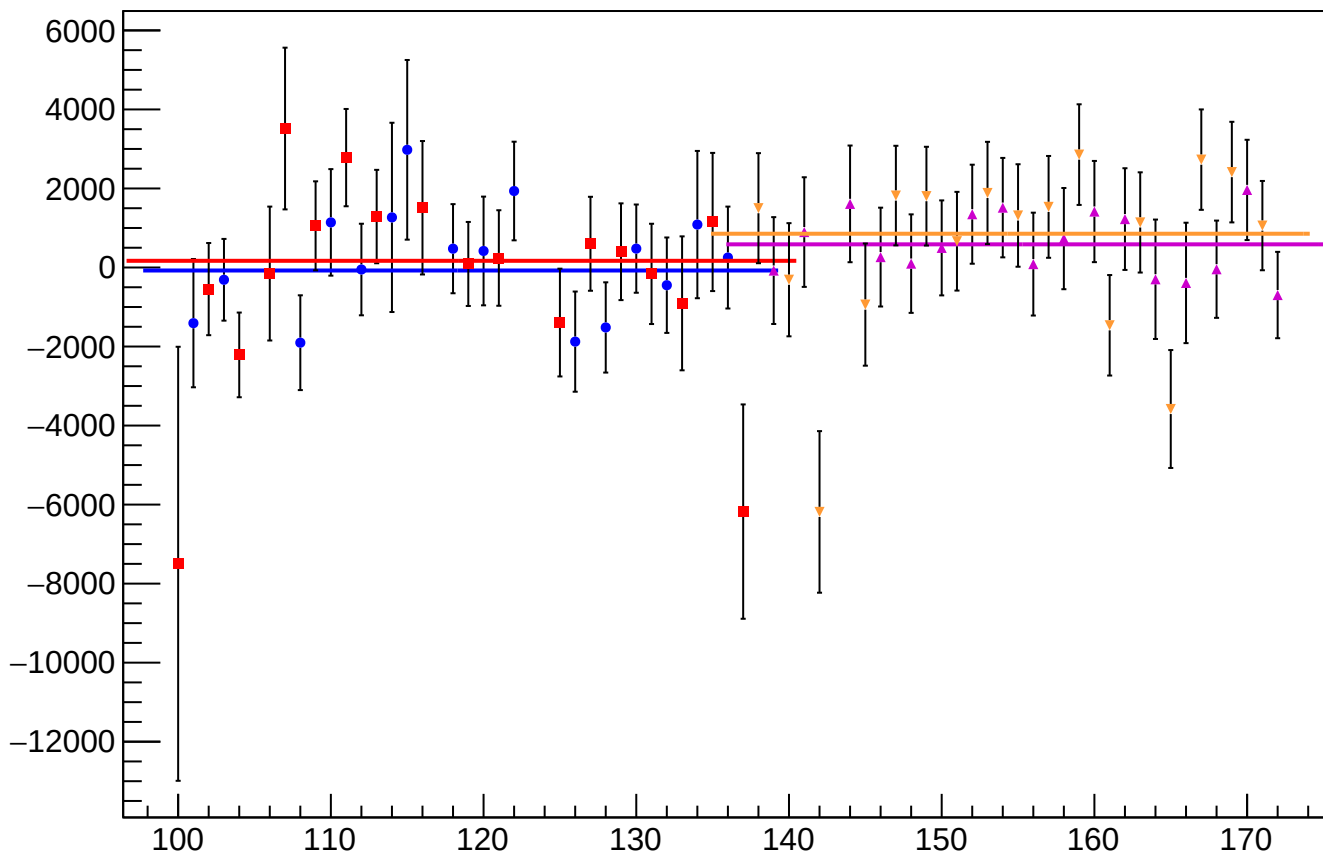
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1762210.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8835304.7/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13361928.5/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2963357.0/34

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

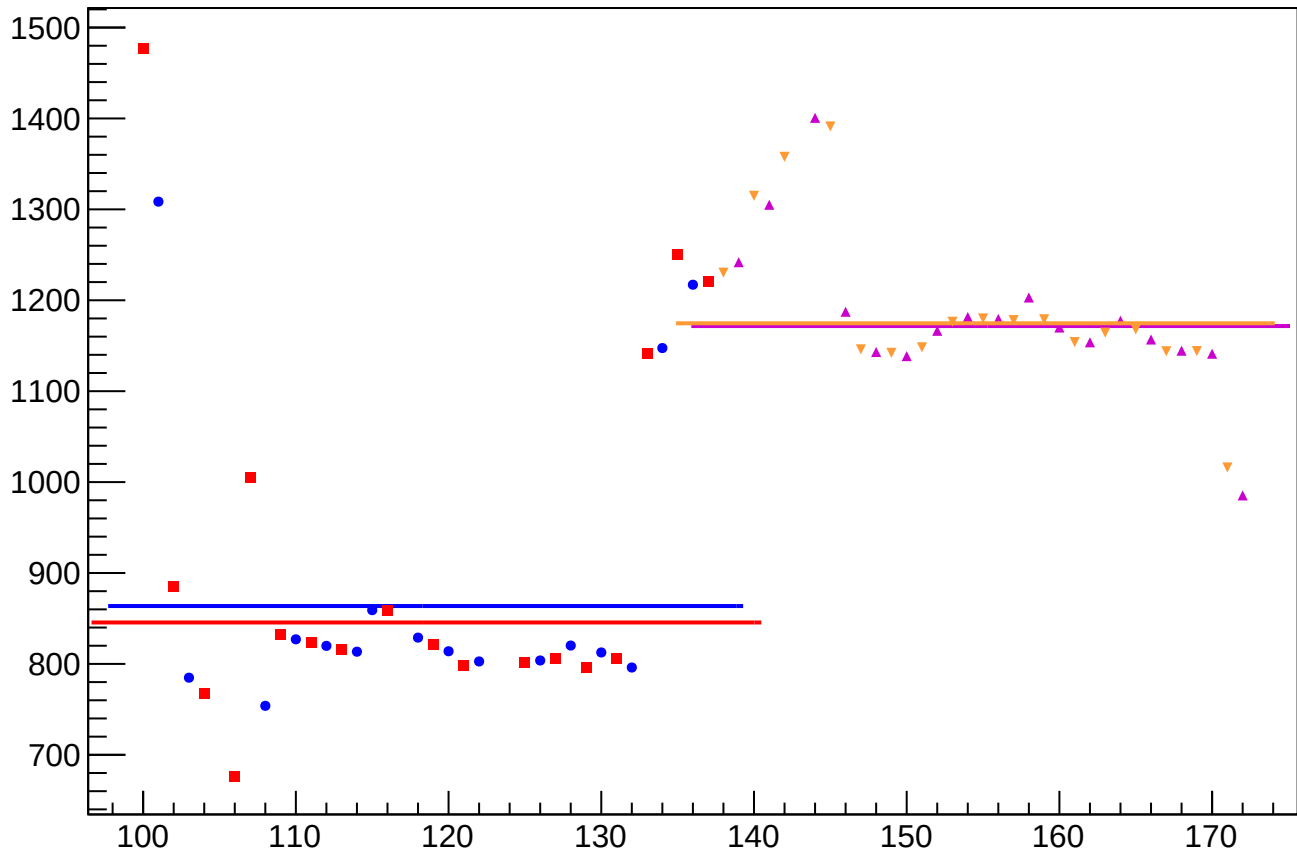
Left In: 586.053 ± 313.560 χ^2/NDF : 6.3/16

+ sign 396.429 ± 228.880 χ^2/NDF : 52.2/32

All: 389.648 ± 160.303 χ^2/NDF : 83.7/67

- sign 383.120 ± 224.586 χ^2/NDF : 31.5/34

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

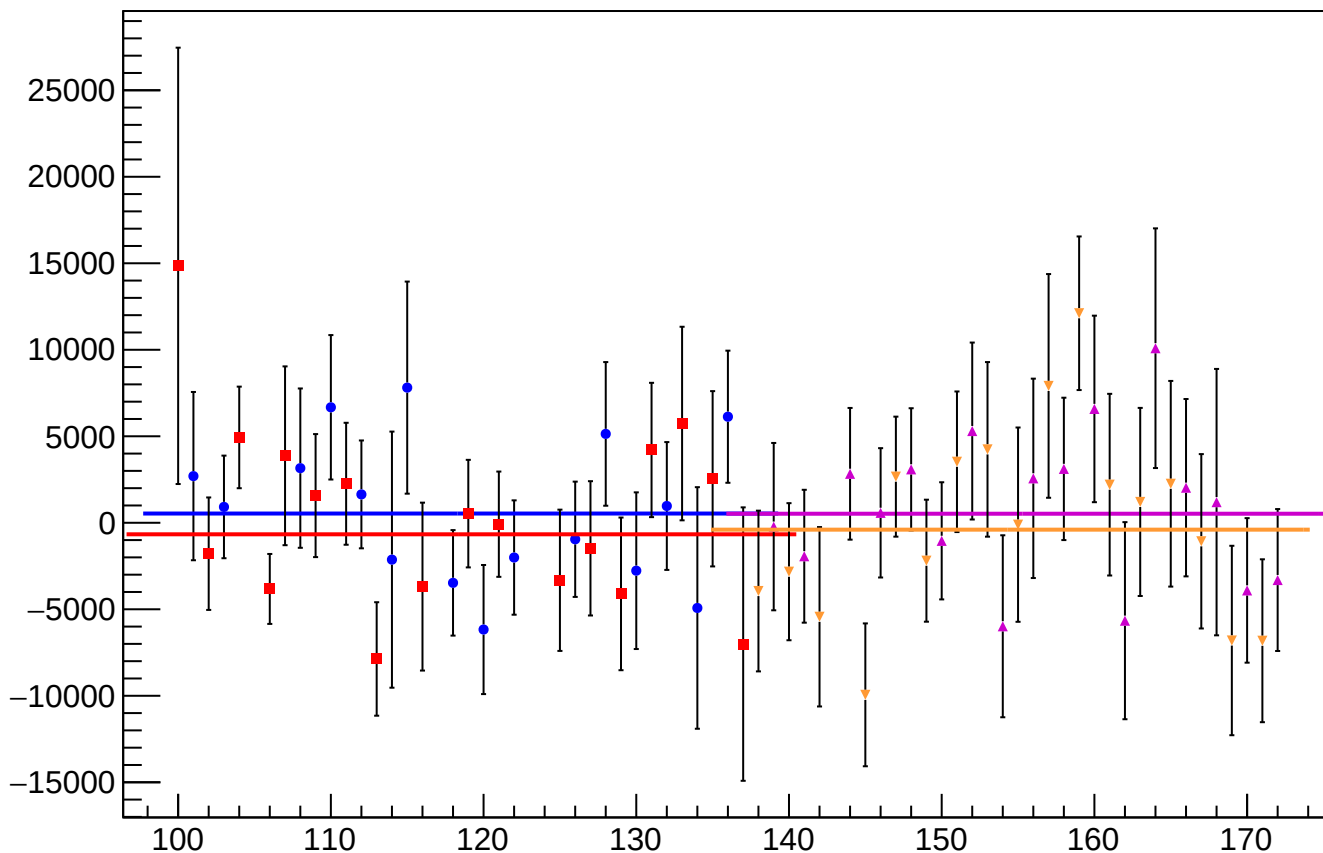
Left In: 1171.655+/-0.222 χ^2/NDF :137206.9/16

+ sign 1021.593+/-0.162 χ^2/NDF : 1454075.2/32

All: 1016.078+/-0.113 χ^2/NDF : 2968055.7/67

- sign 1010.832+/-0.158 χ^2/NDF : 1511715.1/34

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 534.507 $\pm$ 981.290 χ^2 /NDF: 14.7/15

Left Out: -397.626 $\pm$ 1123.712 χ^2 /NDF:23.4/16

Right Out: -665.878 $\pm$ 864.970 χ^2 /NDF: 20.0/17

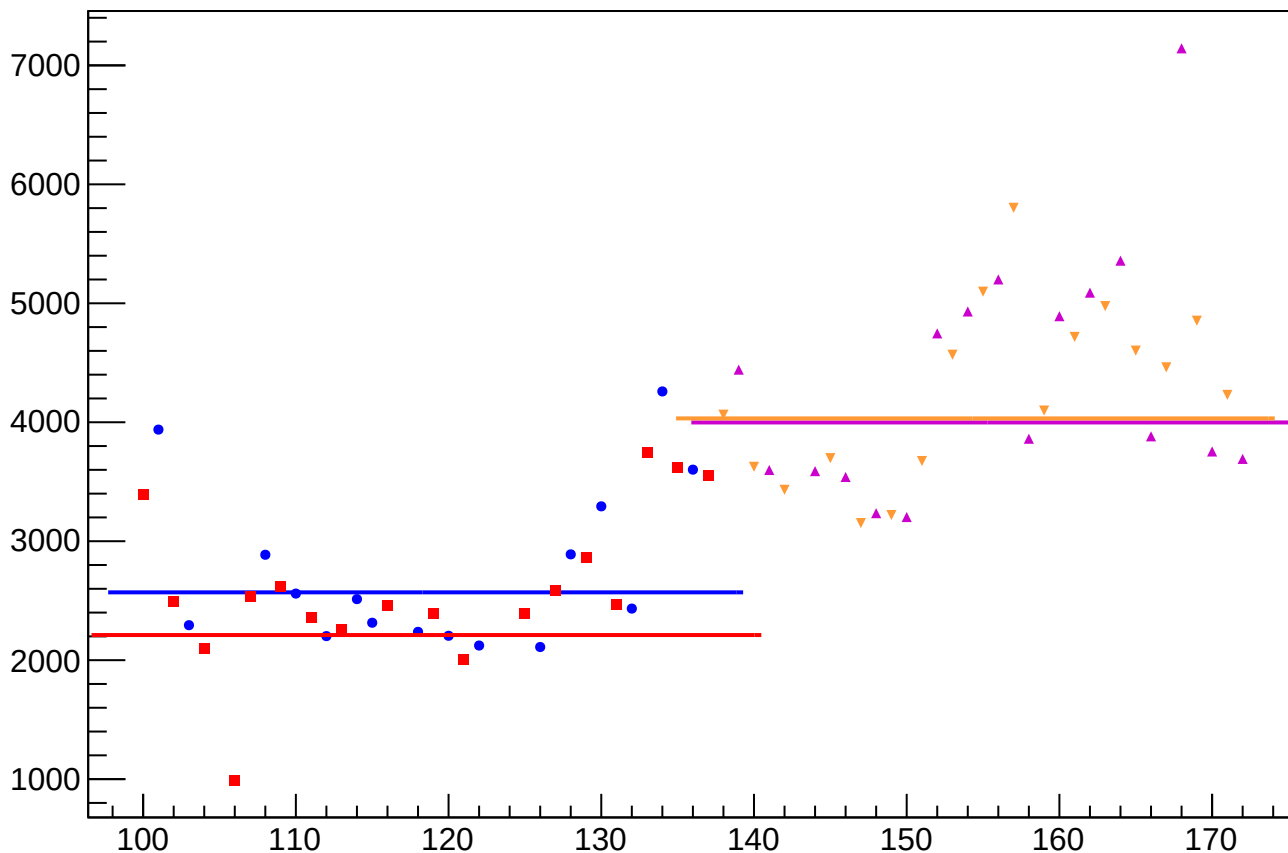
Left In: 523.057 $\pm$ 1091.189 χ^2 /NDF:10.9/16

+ sign 131.220 $\pm$ 739.134 χ^2 /NDF: 38.5/32

All: -52.542 $\pm$ 499.571 χ^2 /NDF: 70.2/67

- sign -207.090 $\pm$ 677.840 χ^2 /NDF: 31.6/34

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2570.135 $\pm$ 0.694 χ^2 /NDF: 662477.9/15

Left Out: 4032.444 $\pm$ 0.795 χ^2 /NDF: 732150.1/16

Right Out: 2211.269 $\pm$ 0.612 χ^2 /NDF: 1264087.9/17

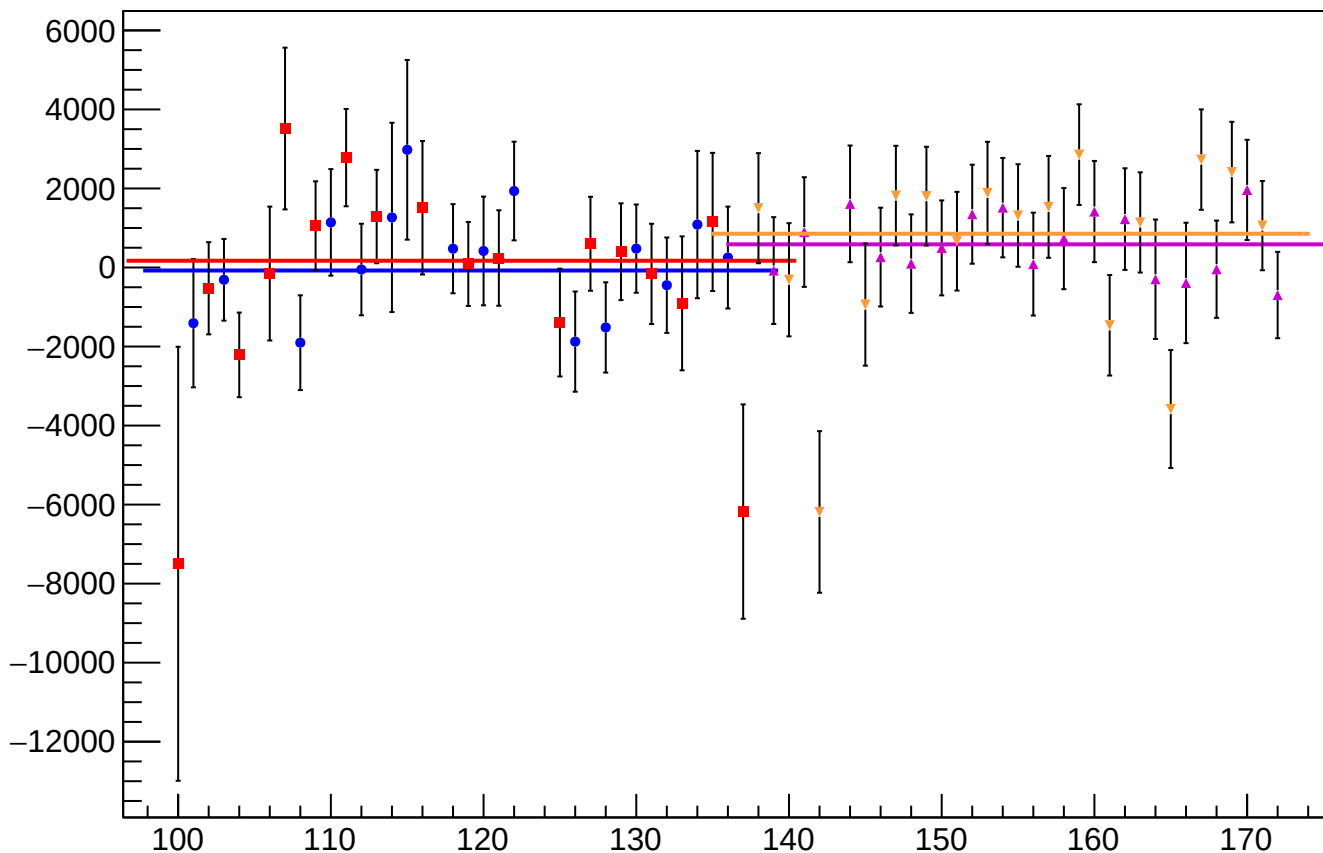
Left In: 3998.315 $\pm$ 0.772 χ^2 /NDF: 1048387.1/16

+ sign 3202.802 $\pm$ 0.523 χ^2 /NDF: 3316169.5/32

All: 3038.793 $\pm$ 0.353 χ^2 /NDF: 9104164.0/67

- sign 2900.858 $\pm$ 0.479 χ^2 /NDF: 5606702.2/34

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

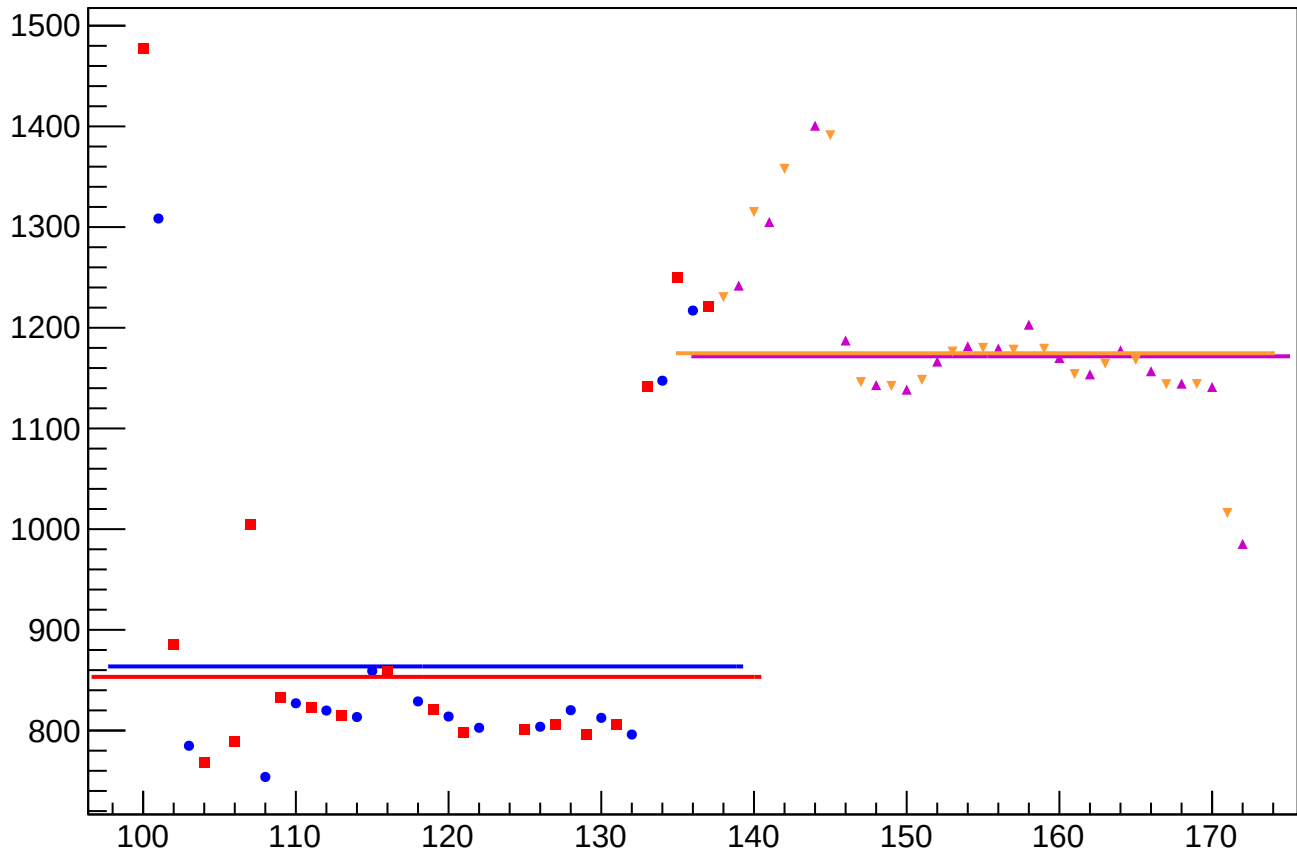
Left In: 586.048 ± 313.560 χ^2/NDF : 6.3/16

+ sign 396.389 ± 228.880 χ^2/NDF : 52.2/32

All: 390.036 ± 160.304 χ^2/NDF : 83.7/67

- sign 383.918 ± 224.588 χ^2/NDF : 31.5/34

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.5/15

Left Out: 1174.697 $\pm$ 0.227 χ^2 /NDF:123430.2/16

Right Out: 853.289 $\pm$ 0.226 χ^2 /NDF: 275357.1/17

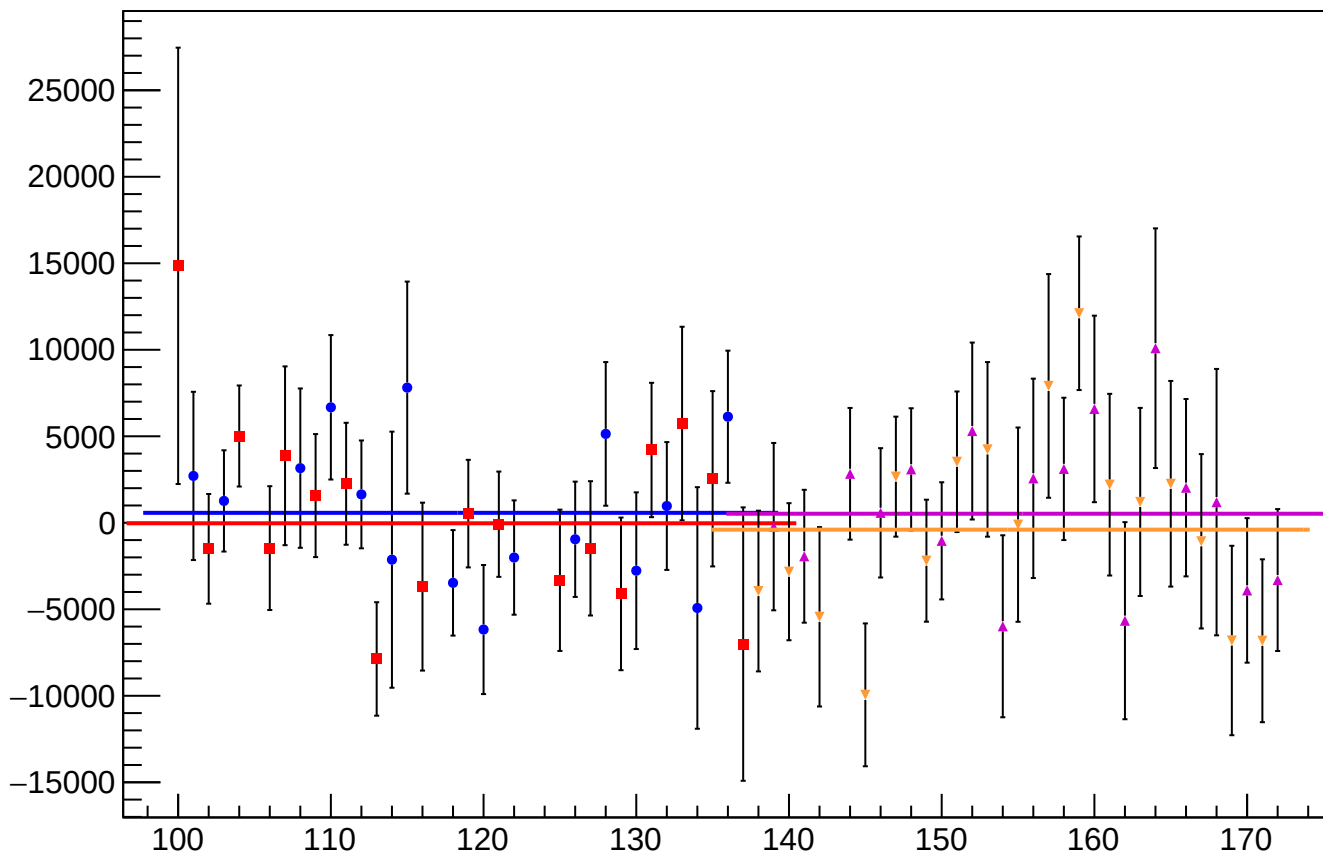
Left In: 1171.655 $\pm$ 0.222 χ^2 /NDF:137206.9/16

+ sign 1021.593 $\pm$ 0.162 χ^2 /NDF: 1454075.4/32

All: 1018.631 $\pm$ 0.113 χ^2 /NDF: 2876679.8/67

- sign 1015.793 $\pm$ 0.158 χ^2 /NDF: 1421948.6/34

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 574.964 $\pm$ 979.856 χ^2 /NDF: 14.7/15

Left Out: -397.607 $\pm$ 1123.712 χ^2 /NDF:23.4/16

Right Out: -28.604 $\pm$ 922.115 χ^2 /NDF: 17.2/17

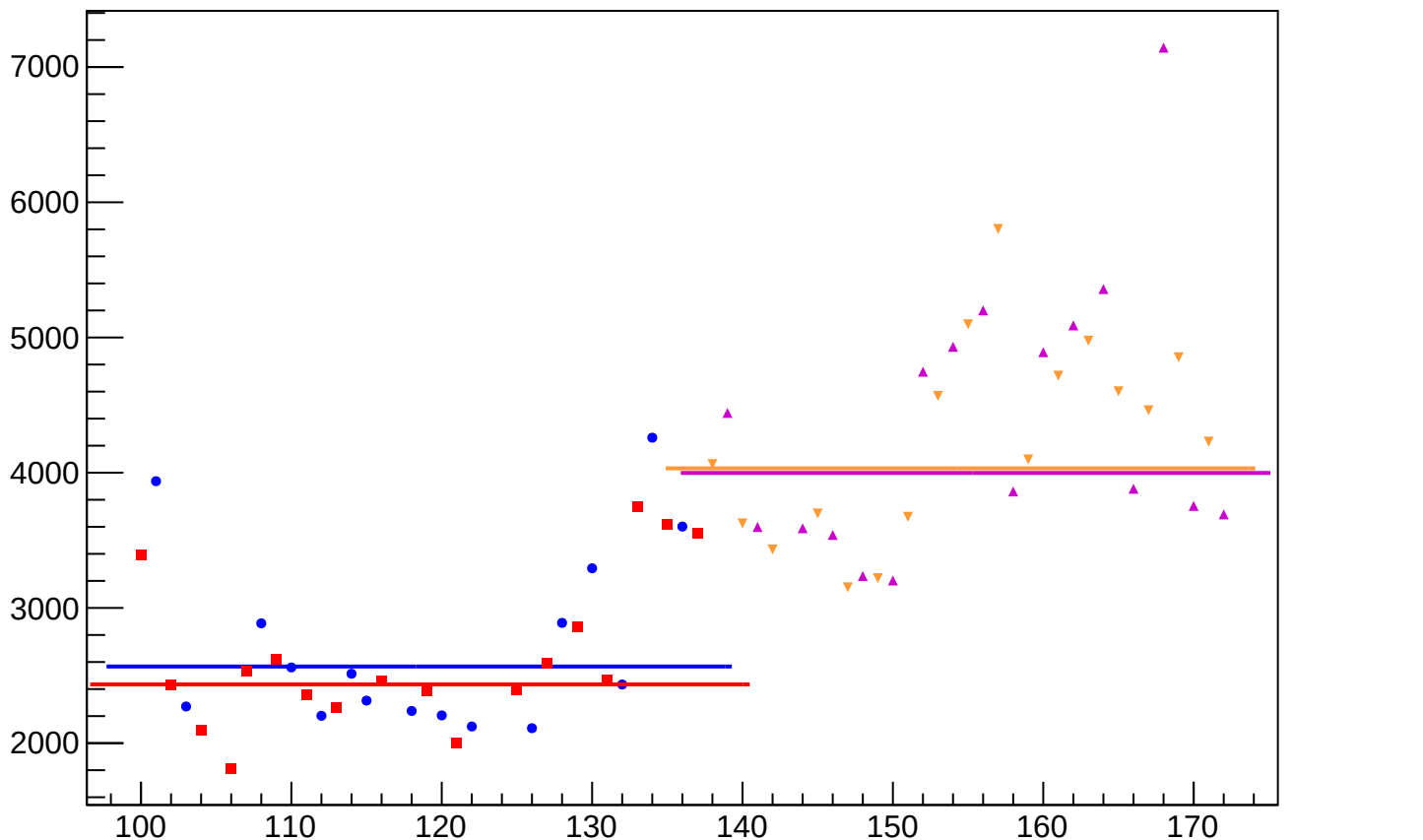
Left In: 523.078 $\pm$ 1091.188 χ^2 /NDF:10.9/16

+ sign 154.880 $\pm$ 738.521 χ^2 /NDF: 38.6/32

All: 179.154 $\pm$ 509.688 χ^2 /NDF: 66.8/67

- sign 201.233 $\pm$ 704.311 χ^2 /NDF: 28.3/34

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2566.732 $\pm$ 0.693 χ^2 /NDF: 665871.6/15

Left Out: 4032.444 $\pm$ 0.795 χ^2 /NDF: 732149.9/16

Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

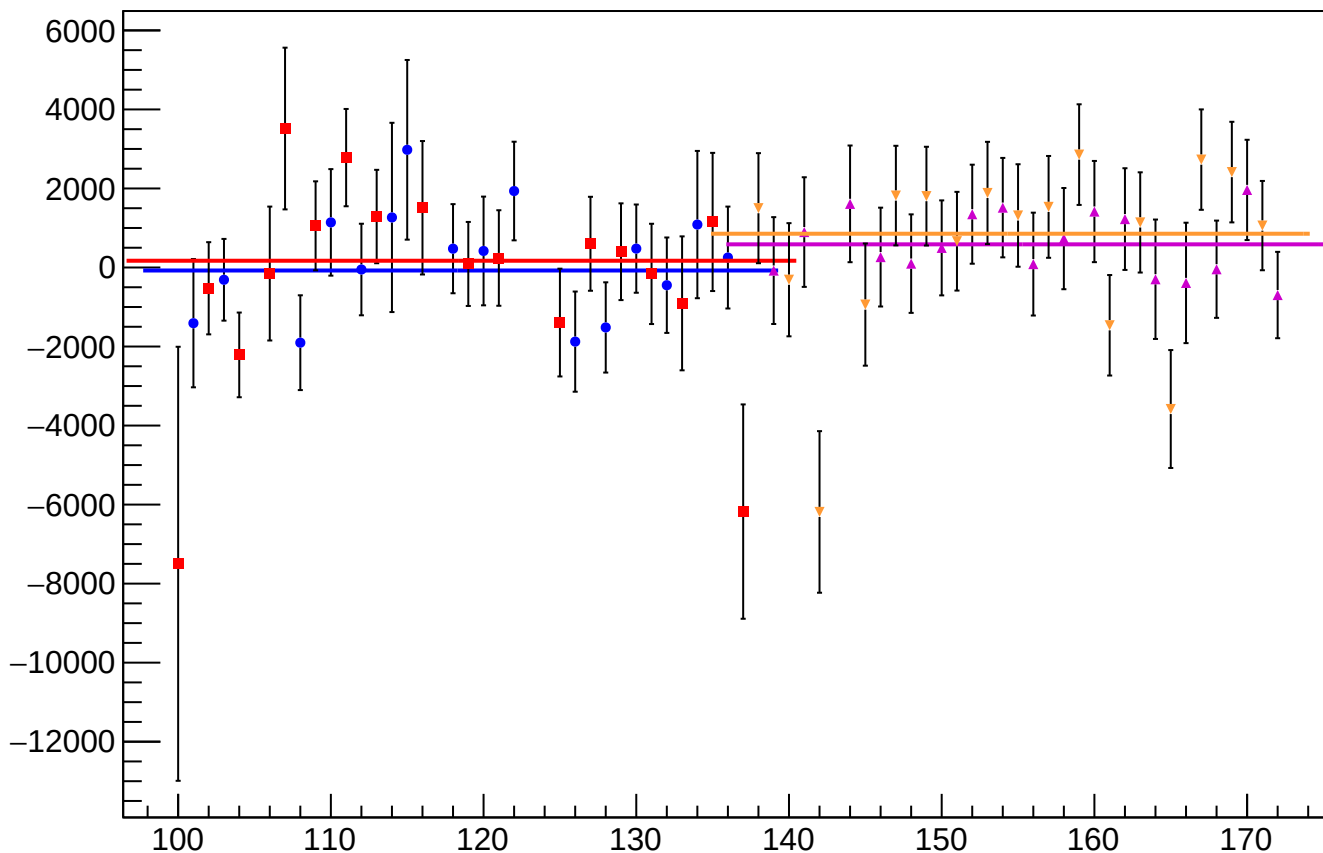
Left In: 3998.311 $\pm$ 0.772 χ^2 /NDF: 1048390.3/16

+ sign 3199.820 $\pm$ 0.522 χ^2 /NDF: 3330958.3/32

All: 3140.191 $\pm$ 0.360 χ^2 /NDF: 7234931.5/67

- sign 3085.959 $\pm$ 0.498 χ^2 /NDF: 3879076.9/34

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

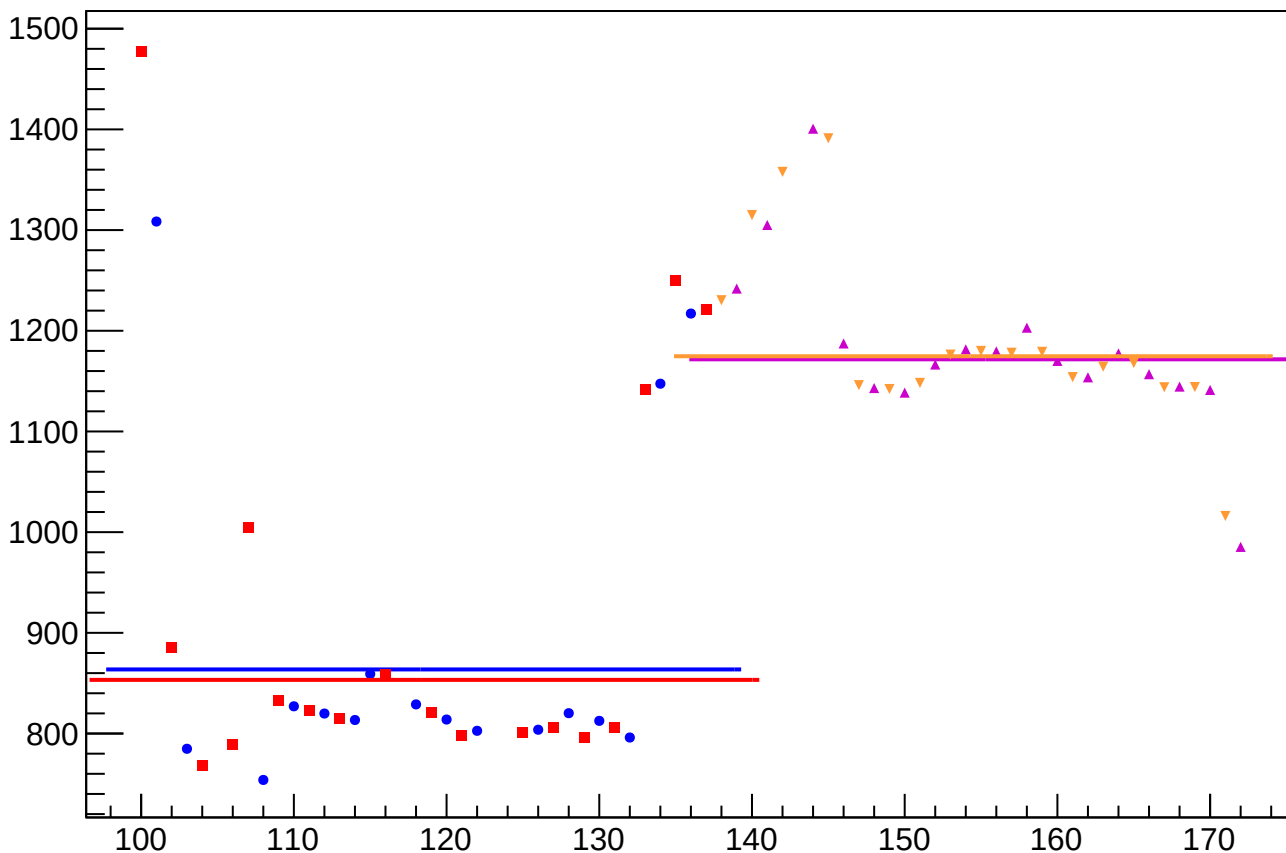
Left In: 586.048 ± 313.560 χ^2/NDF : 6.3/16

+ sign 396.389 ± 228.880 χ^2/NDF : 52.2/32

All: 390.036 ± 160.304 χ^2/NDF : 83.7/67

- sign 383.918 ± 224.588 χ^2/NDF : 31.5/34

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 863.661 $\pm$ 0.231 χ^2 /NDF: 407498.5/15

Left Out: 1174.697 $\pm$ 0.227 χ^2 /NDF:123430.2/16

Right Out: 853.289 $\pm$ 0.226 χ^2 /NDF: 275357.1/17

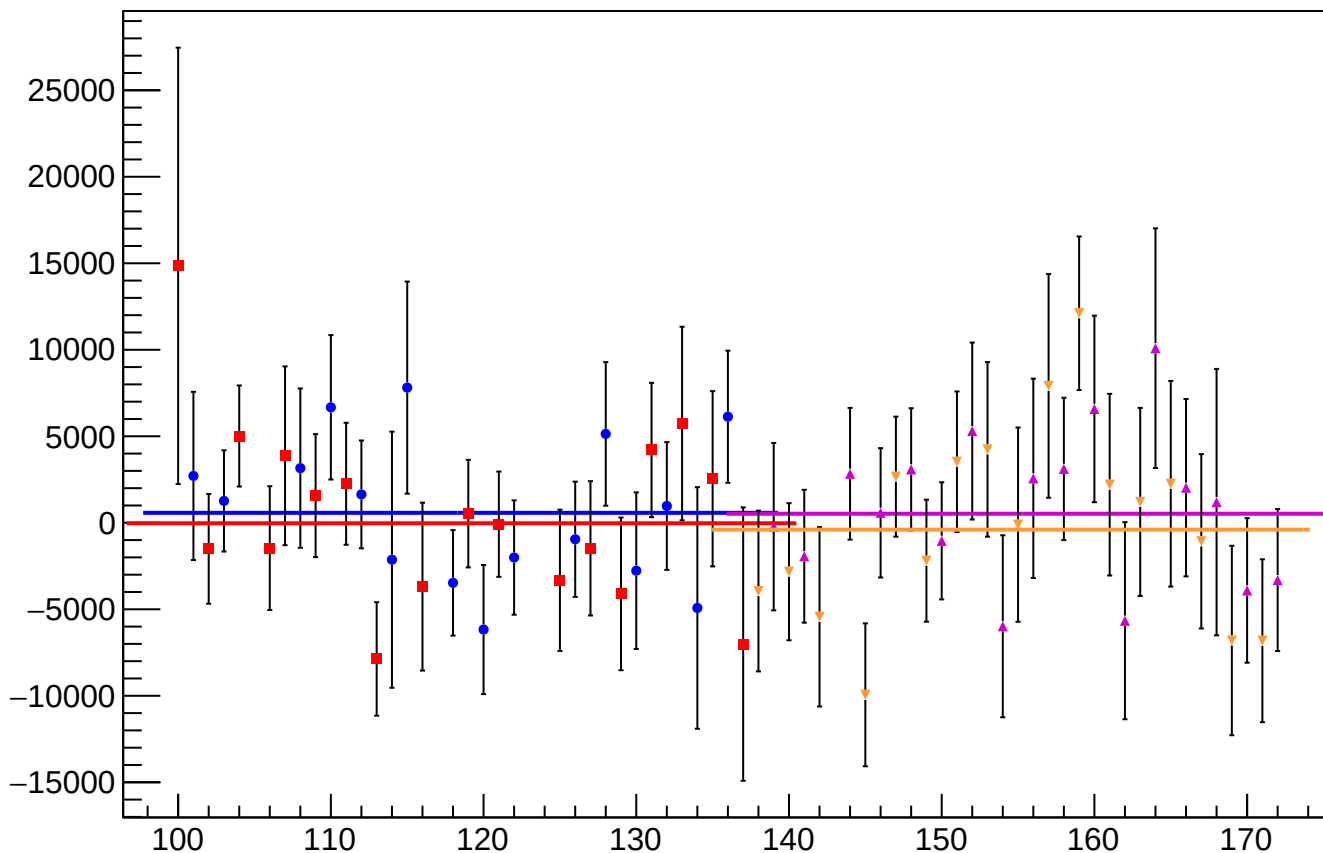
Left In: 1171.655 $\pm$ 0.222 χ^2 /NDF:137206.9/16

+ sign 1021.593 $\pm$ 0.162 χ^2 /NDF: 1454075.4/32

All: 1018.631 $\pm$ 0.113 χ^2 /NDF: 2876679.8/67

- sign 1015.793 $\pm$ 0.158 χ^2 /NDF: 1421948.6/34

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 574.964 $\pm$ 979.856 χ^2 /NDF: 14.7/15

Left Out: -397.607 $\pm$ 1123.712 χ^2 /NDF:23.4/16

Right Out: -28.604 $\pm$ 922.115 χ^2 /NDF: 17.2/17

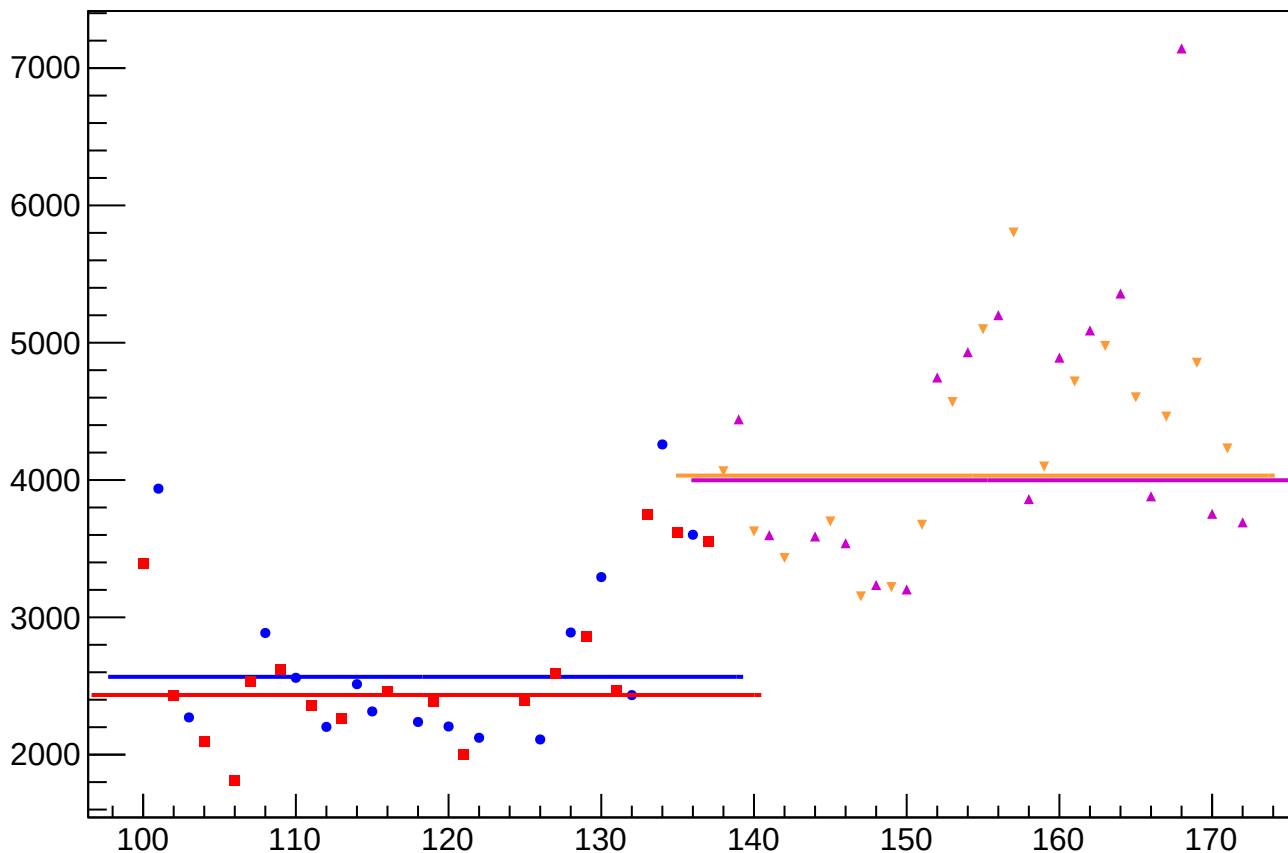
Left In: 523.078 $\pm$ 1091.188 χ^2 /NDF:10.9/16

+ sign 154.880 $\pm$ 738.521 χ^2 /NDF: 38.6/32

All: 179.154 $\pm$ 509.688 χ^2 /NDF: 66.8/67

- sign 201.233 $\pm$ 704.311 χ^2 /NDF: 28.3/34

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2566.732 $\pm$ 0.693 χ^2 /NDF: 665871.6/15

Left Out: 4032.444 $\pm$ 0.795 χ^2 /NDF: 732149.9/16

Right Out: 2434.430 $\pm$ 0.652 χ^2 /NDF: 434078.9/17

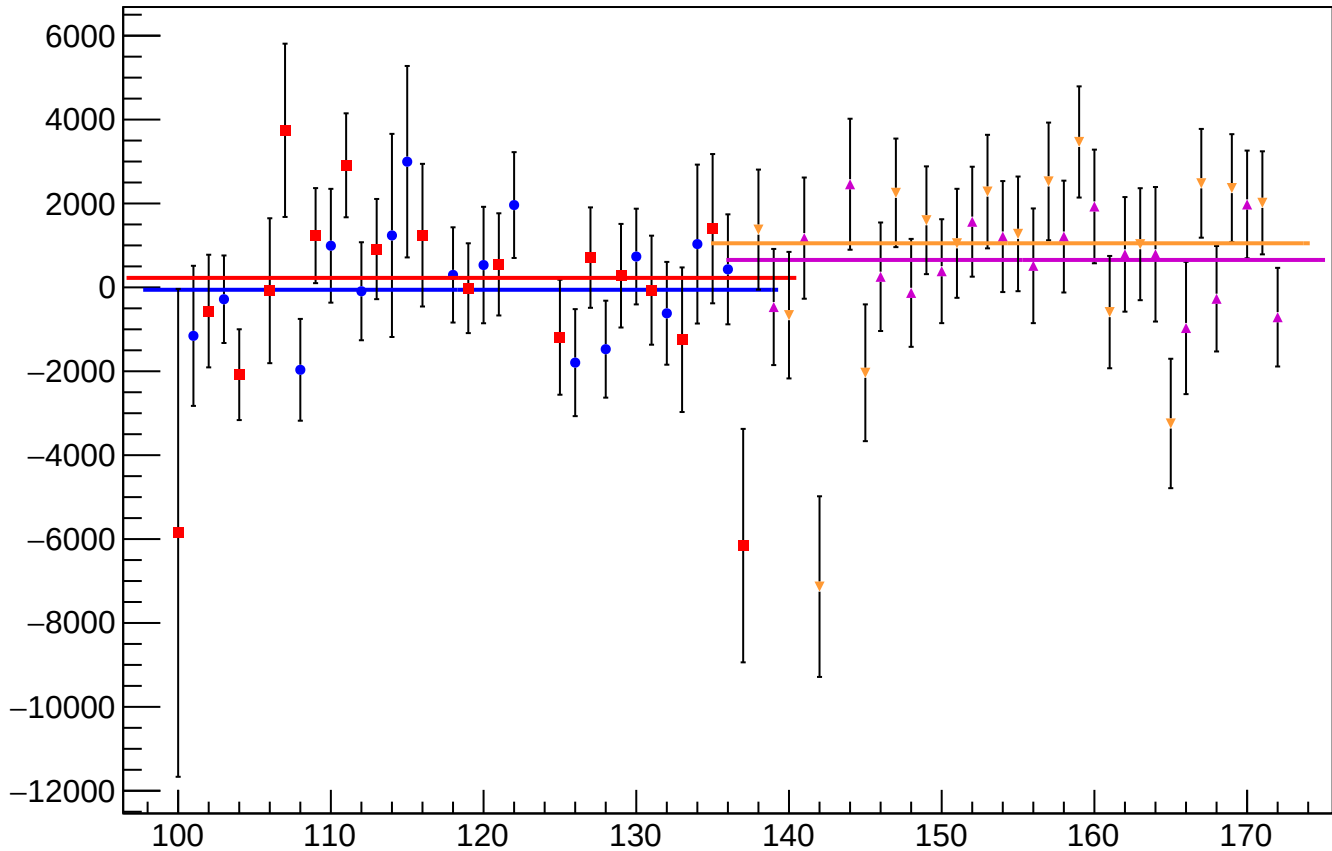
Left In: 3998.311 $\pm$ 0.772 χ^2 /NDF: 1048390.3/16

+ sign 3199.820 $\pm$ 0.522 χ^2 /NDF: 3330958.3/32

All: 3140.191 $\pm$ 0.360 χ^2 /NDF: 7234931.5/67

- sign 3085.959 $\pm$ 0.498 χ^2 /NDF: 3879076.9/34

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

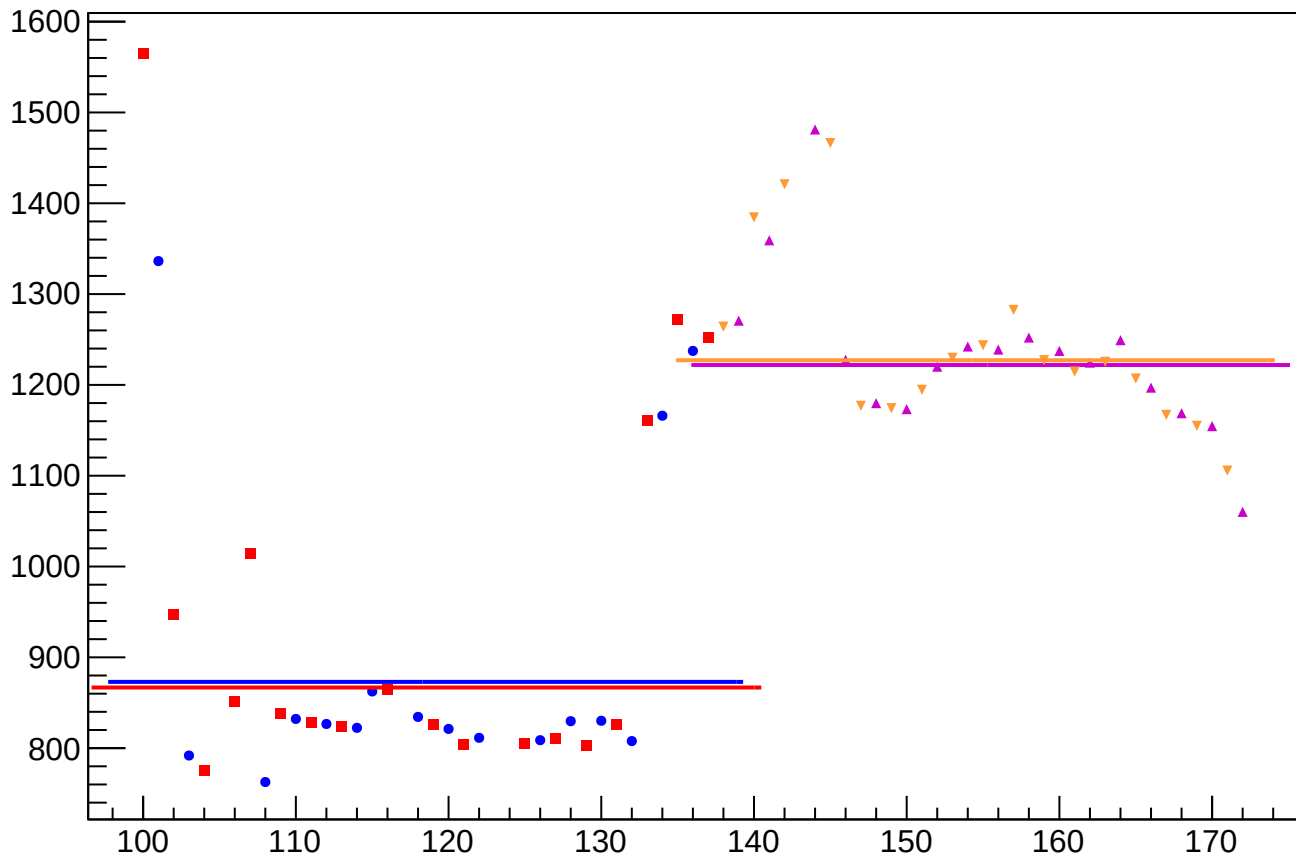
Left In: 654.024 ± 327.010 χ^2/NDF : 8.4/16

+ sign 487.783 ± 235.344 χ^2/NDF : 56.4/32

All: 463.885 ± 165.075 χ^2/NDF : 88.6/67

- sign -440.741 ± 231.604 χ^2/NDF : 32.2/34

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

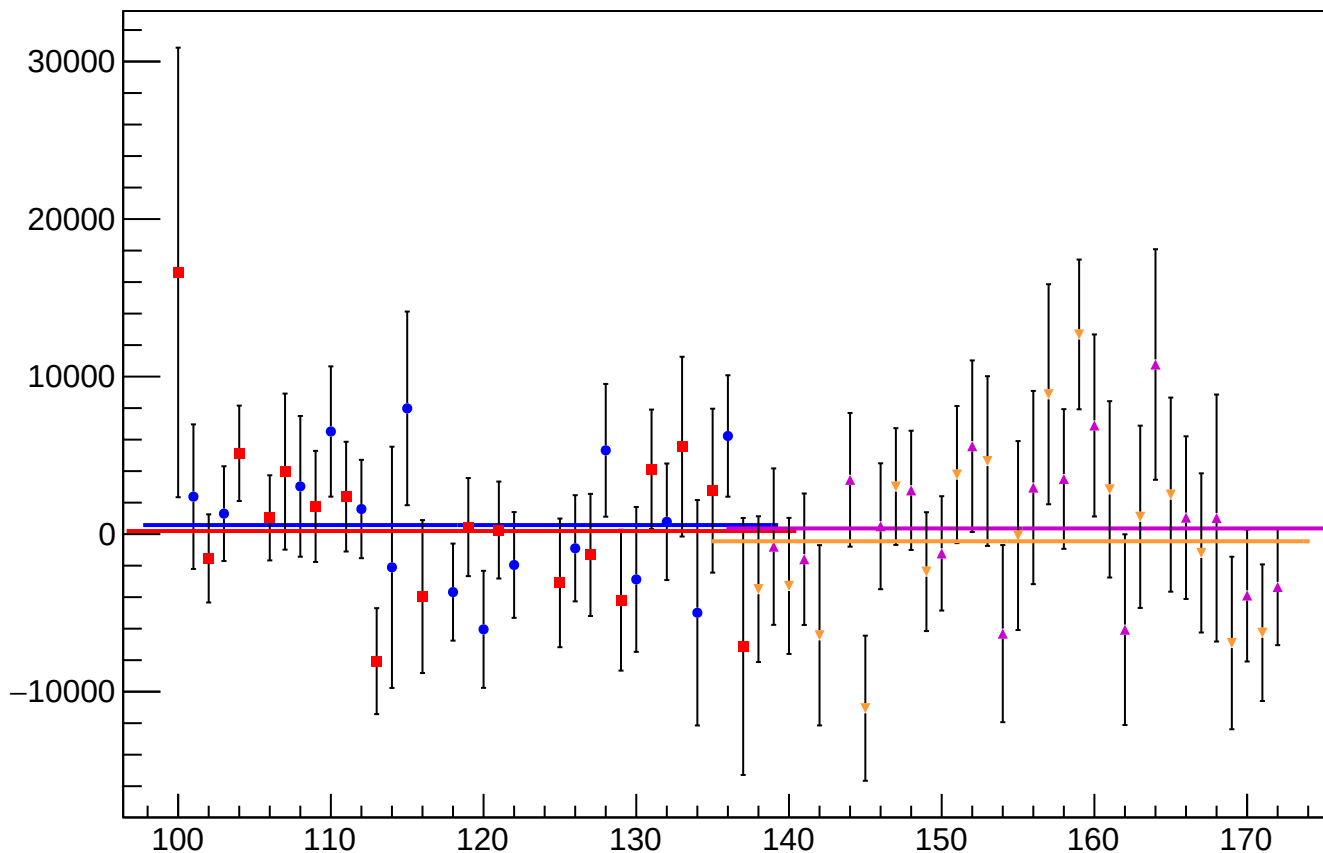
Left In: 1221.886+/-0.231 χ^2/NDF : 131054.6/16

+ sign 1047.105+/-0.166 χ^2/NDF : 1673238.7/32

All: 1045.897+/-0.117 χ^2/NDF : 3271409.6/67

- sign 1044.727+/-0.164 χ^2/NDF : 1598067.2/34

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 575.271 $\pm$ 984.888 χ^2 /NDF: 14.7/15

Left Out: -451.947 $\pm$ 1182.757 χ^2 /NDF:23.5/16

Right Out: 197.953 $\pm$ 894.121 χ^2 /NDF: 17.2/17

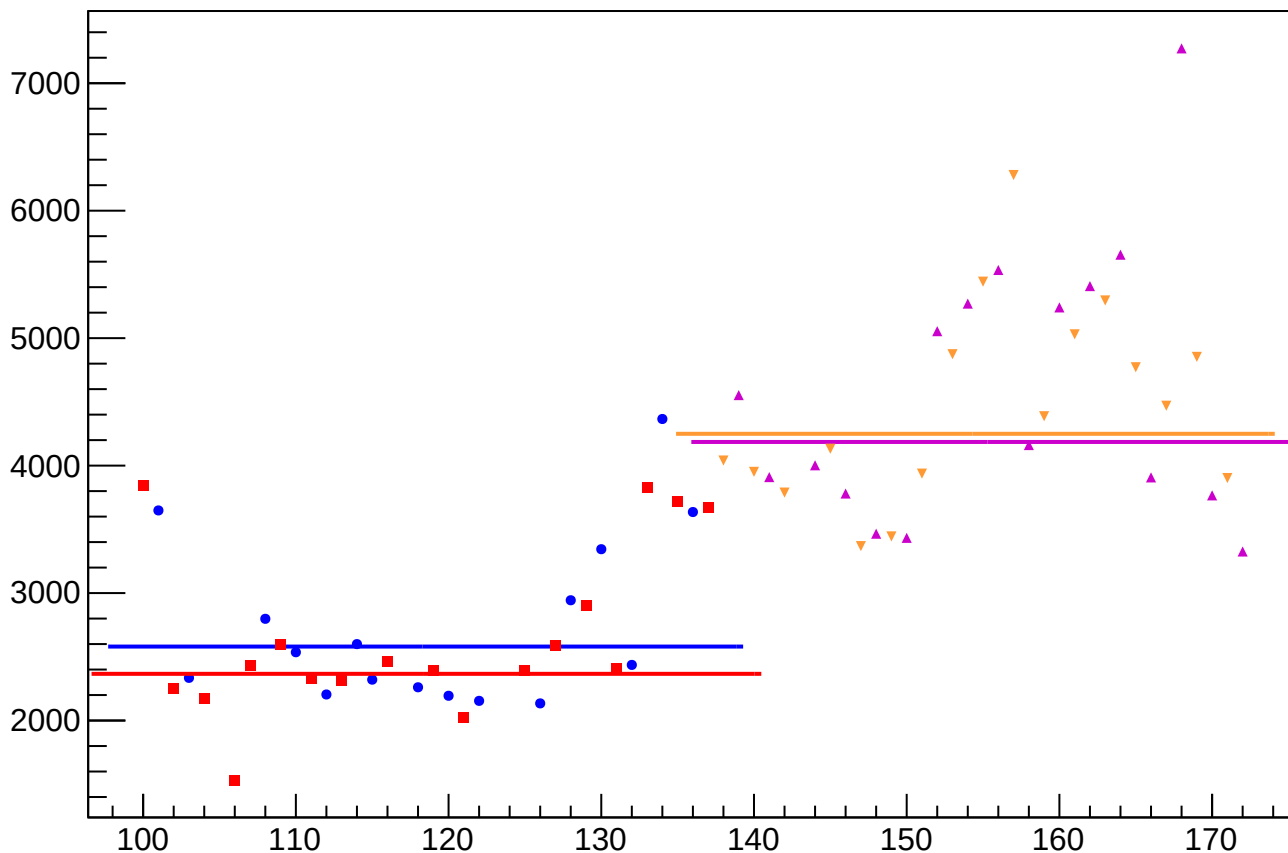
Left In: 362.111 $\pm$ 1143.598 χ^2 /NDF:10.9/16

+ sign 154.655 $\pm$ 756.846 χ^2 /NDF: 38.6/32

All: 211.229 $\pm$ 515.625 χ^2 /NDF: 66.7/67

- sign 260.231 $\pm$ 704.384 χ^2 /NDF: 28.1/34

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2580.377 $\pm$ 0.696 χ^2 /NDF: 617156.1/15

Left Out: 4249.579 $\pm$ 0.836 χ^2 /NDF: 678877.5/16

Right Out: 2366.412 $\pm$ 0.632 χ^2 /NDF: 611695.1/17

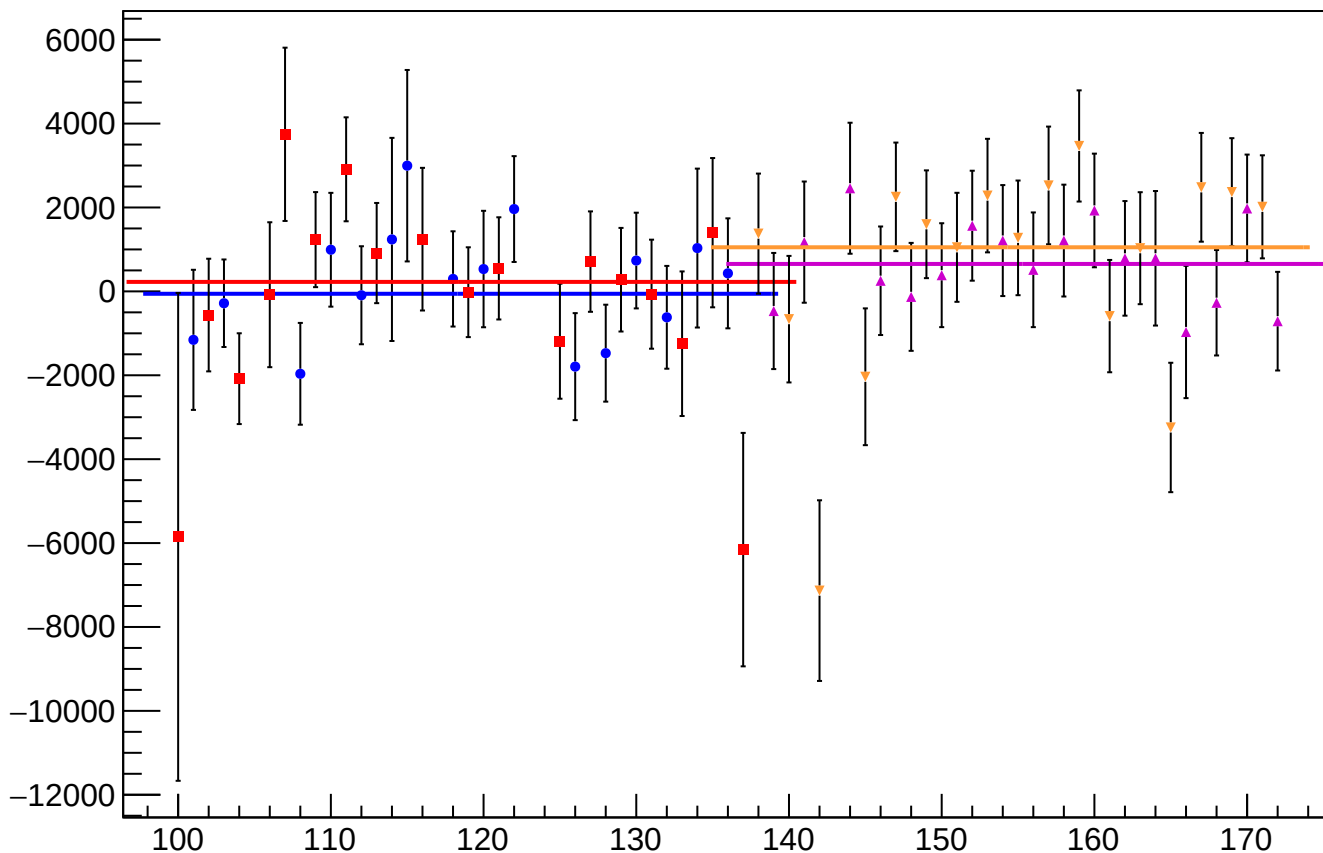
Left In: 4185.516 $\pm$ 0.809 χ^2 /NDF: 1097770.1/16

+ sign 3263.868 $\pm$ 0.535 χ^2 /NDF: 3648362.3/32

All: 3152.771 $\pm$ 0.365 χ^2 /NDF: 8578937.4/67

- sign 3056.541 $\pm$ 0.498 χ^2 /NDF: 4850153.3/34

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

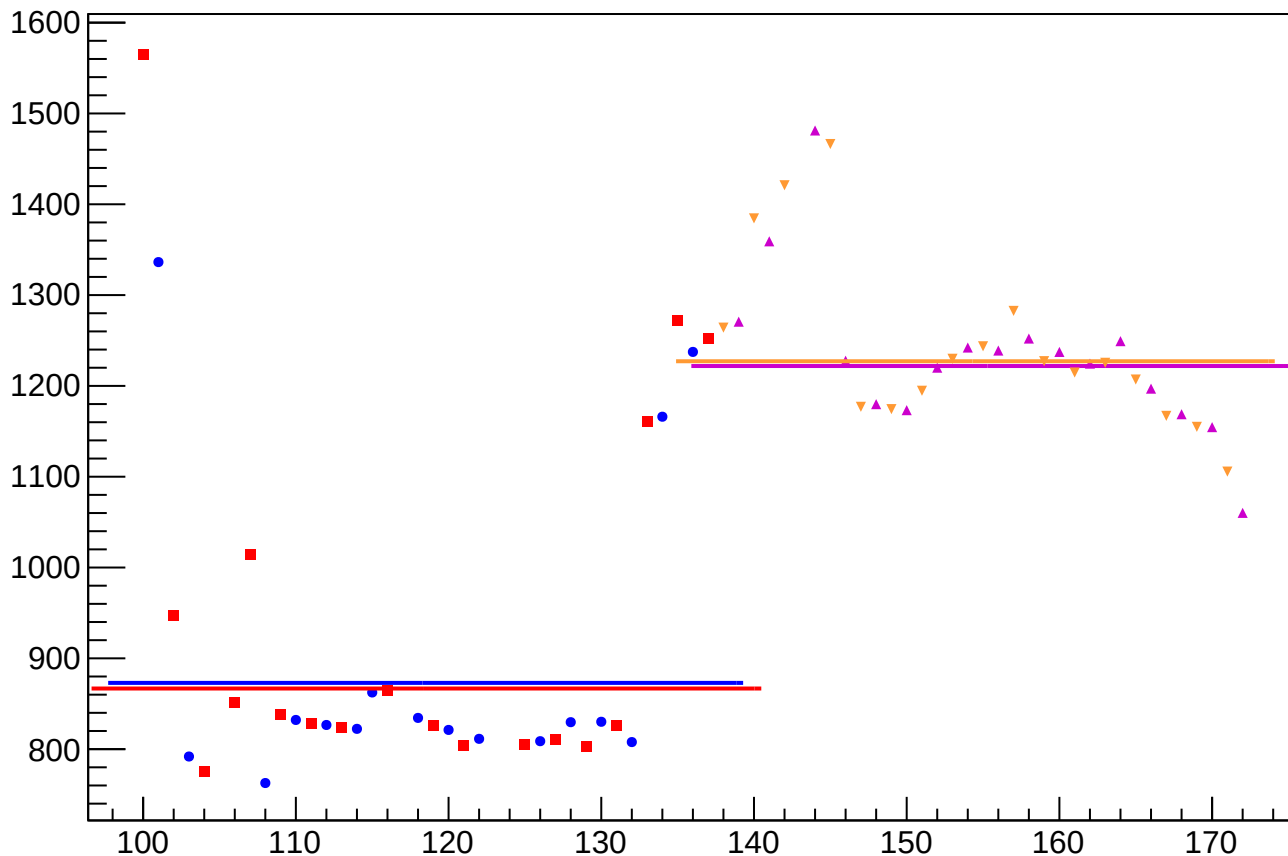
Left In: 654.022 ± 327.010 χ^2/NDF : 8.4/16

+ sign 487.782 ± 235.344 χ^2/NDF : 56.4/32

All: 463.885 ± 165.075 χ^2/NDF : 88.6/67

- sign 440.742 ± 231.604 χ^2/NDF : 32.2/34

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

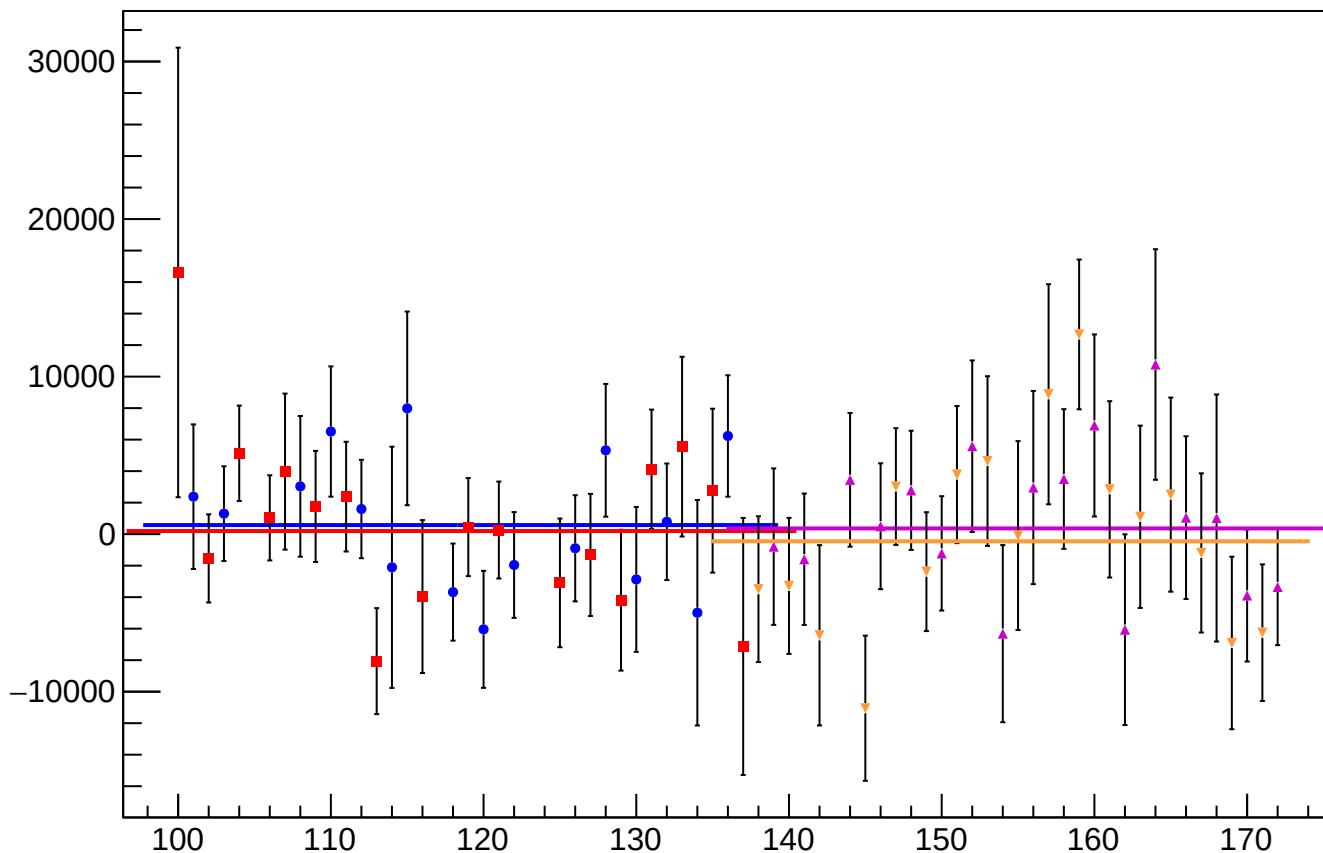
Left In: 1221.887 ± 0.231 χ^2/NDF : 131059.3/16

+ sign 1047.105 ± 0.166 χ^2/NDF : 1673245.4/32

All: 1045.897 ± 0.117 χ^2/NDF : 3271423.9/67

- sign 1044.728 ± 0.164 χ^2/NDF : 1598074.8/34

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 575.266 $\pm$ 984.885 χ^2 /NDF: 14.7/15

Left Out: -451.945 $\pm$ 1182.759 χ^2 /NDF:23.5/16

Right Out: 197.955 $\pm$ 894.119 χ^2 /NDF: 17.2/17

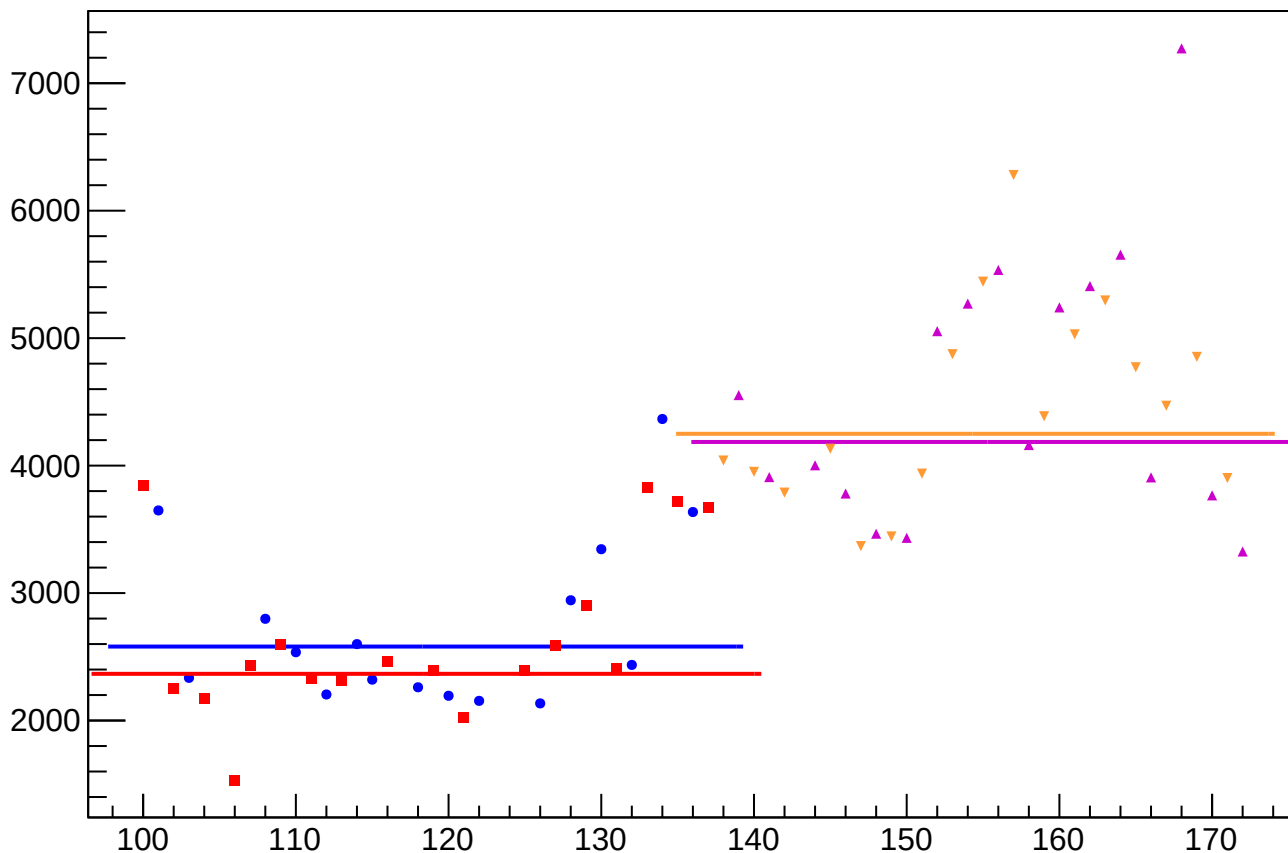
Left In: 362.112 $\pm$ 1143.600 χ^2 /NDF:10.9/16

+ sign 154.655 $\pm$ 756.845 χ^2 /NDF: 38.6/32

All: 211.229 $\pm$ 515.624 χ^2 /NDF: 66.7/67

- sign 260.232 $\pm$ 704.384 χ^2 /NDF: 28.1/34

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2580.368 $\pm$ 0.696 χ^2 /NDF: 617163.3/15

Left Out: 4249.586 $\pm$ 0.836 χ^2 /NDF: 678879.5/16

Right Out: 2366.405 $\pm$ 0.632 χ^2 /NDF: 611698.8/17

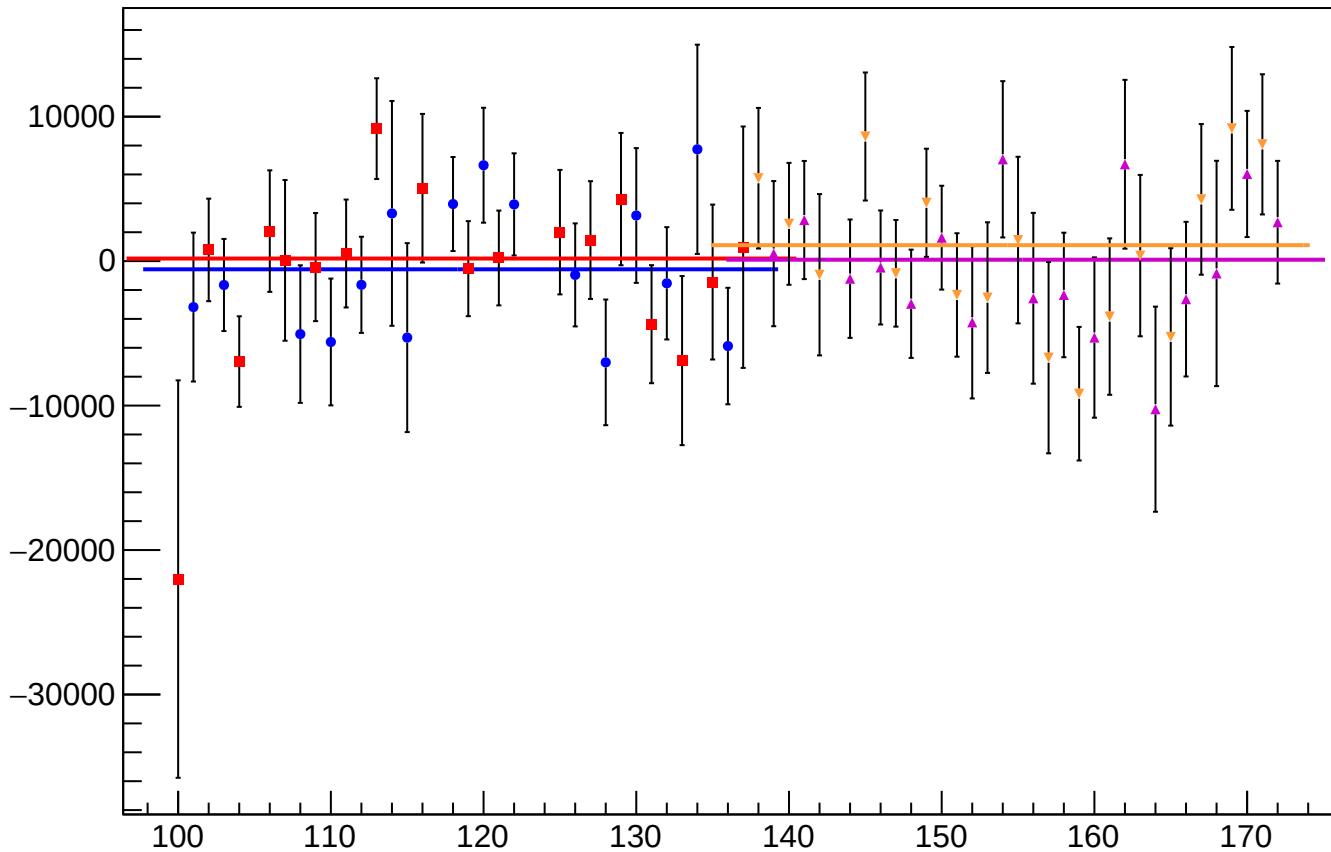
Left In: 4185.522 $\pm$ 0.809 χ^2 /NDF: 1097771.1/16

+ sign 3263.862 $\pm$ 0.535 χ^2 /NDF: 3648415.5/32

All: 3152.765 $\pm$ 0.365 χ^2 /NDF: 8579041.7/67

- sign 3056.536 $\pm$ 0.498 χ^2 /NDF: 4850204.7/34

asym_usl_atl2_dd_mean vs Slug



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

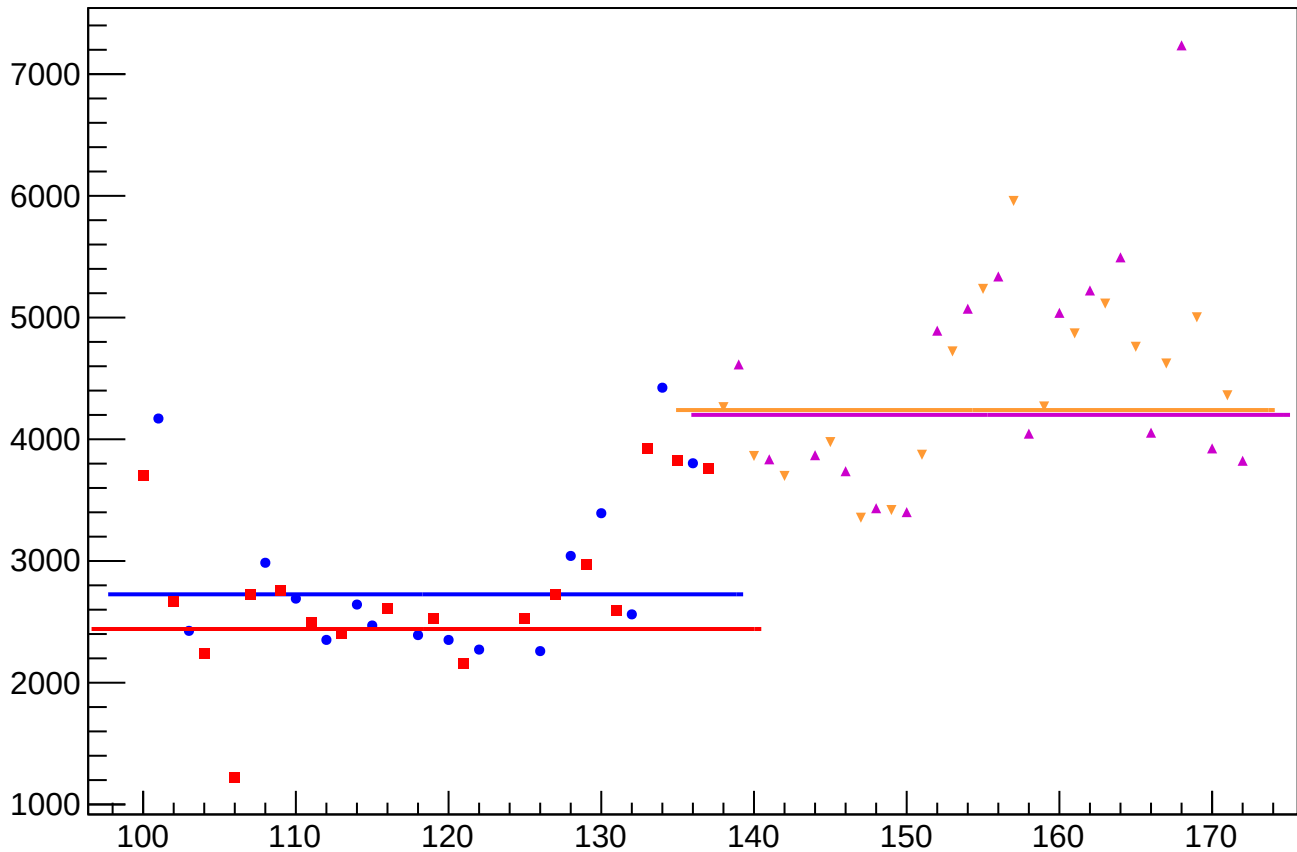
Left In: 97.516 ± 1143.090 χ^2/NDF : 11.1/16

+ sign 165.742 ± 779.701 χ^2/NDF : 36.2/32

All: 154.365 ± 539.646 χ^2/NDF : 66.8/67

- sign 143.904 ± 747.657 χ^2/NDF : 30.6/34

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

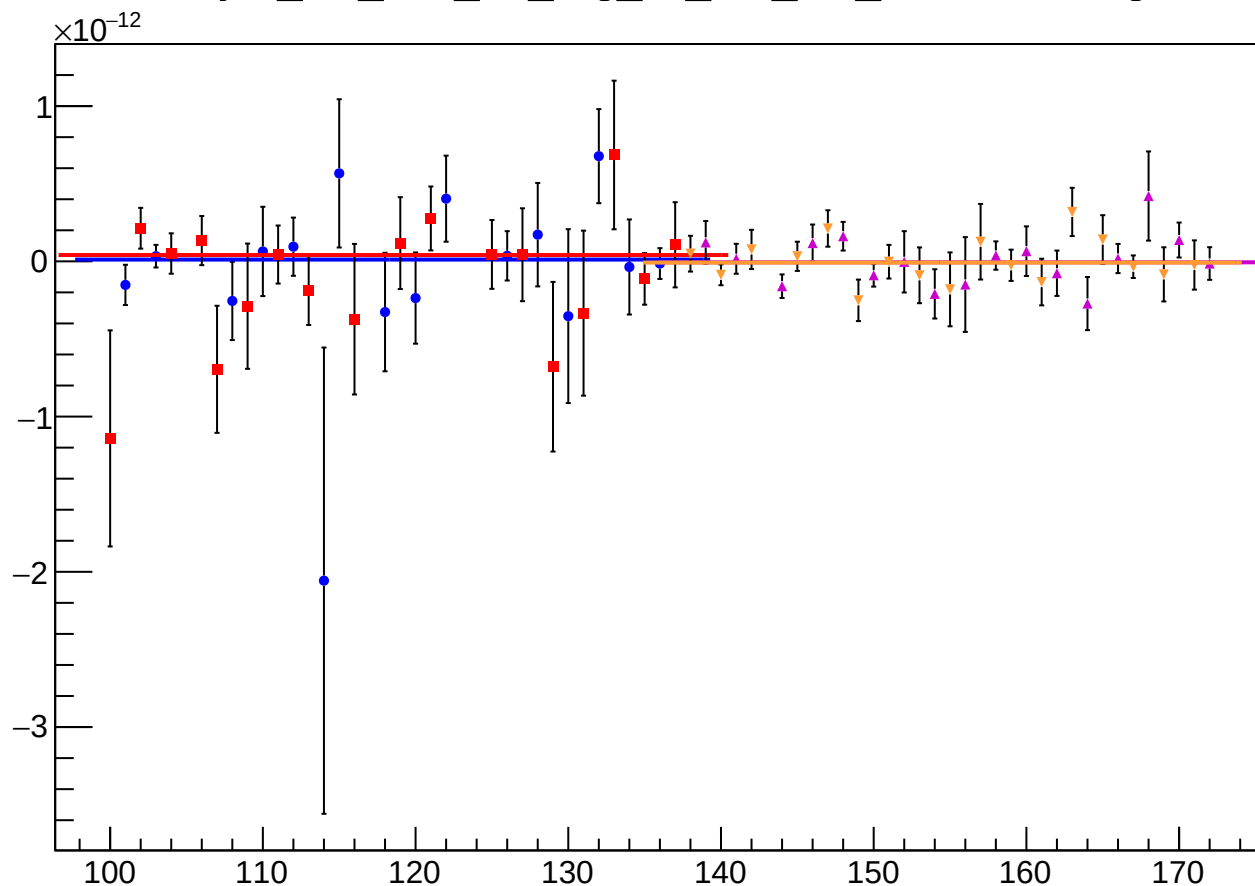
Left In: 4200.573+/-0.808 χ^2/NDF : 917320.2/16

+ sign 3389.748+/-0.551 χ^2/NDF : 3097724.9/32

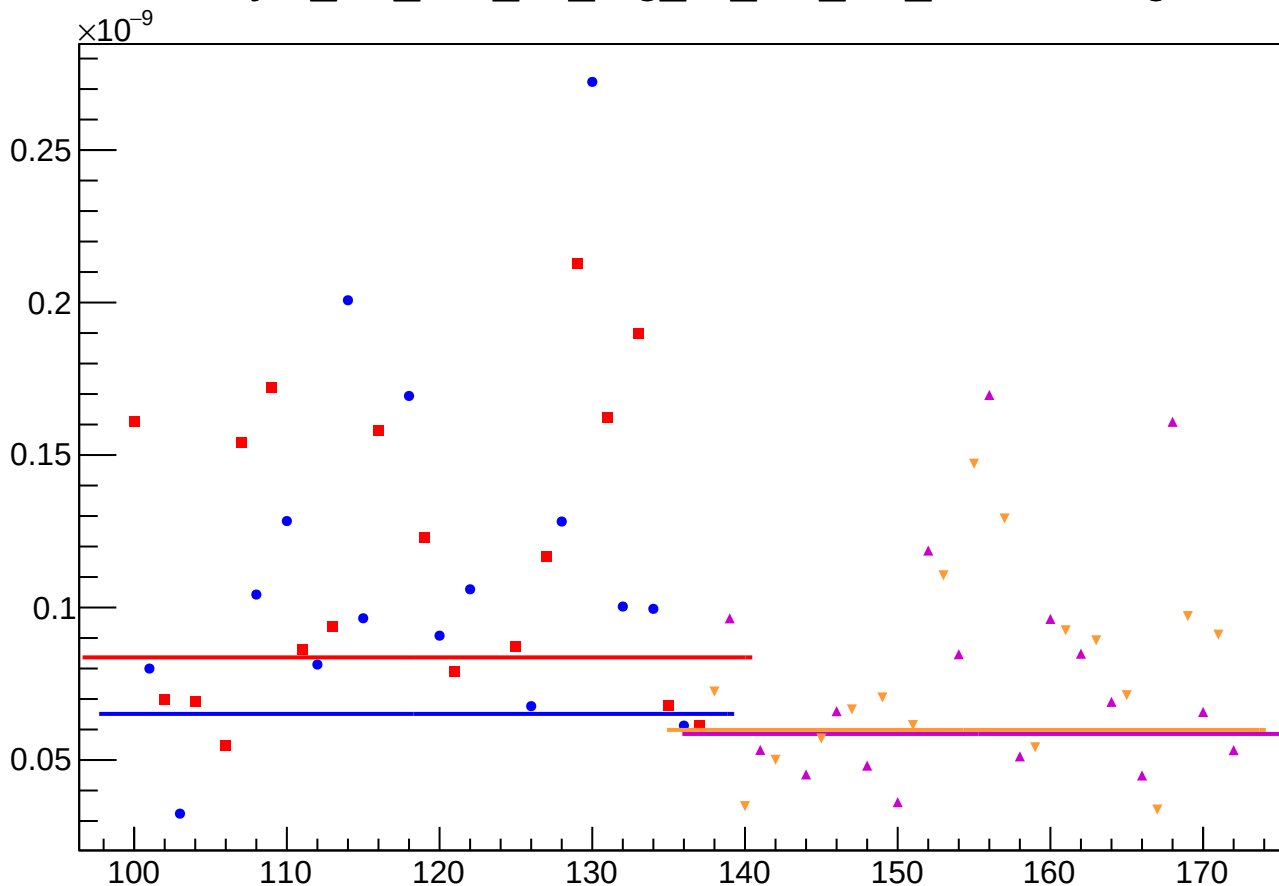
All: 3263.692+/-0.376 χ^2/NDF : 7822209.7/67

- sign 3153.947+/-0.514 χ^2/NDF : 4626697.5/34

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



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

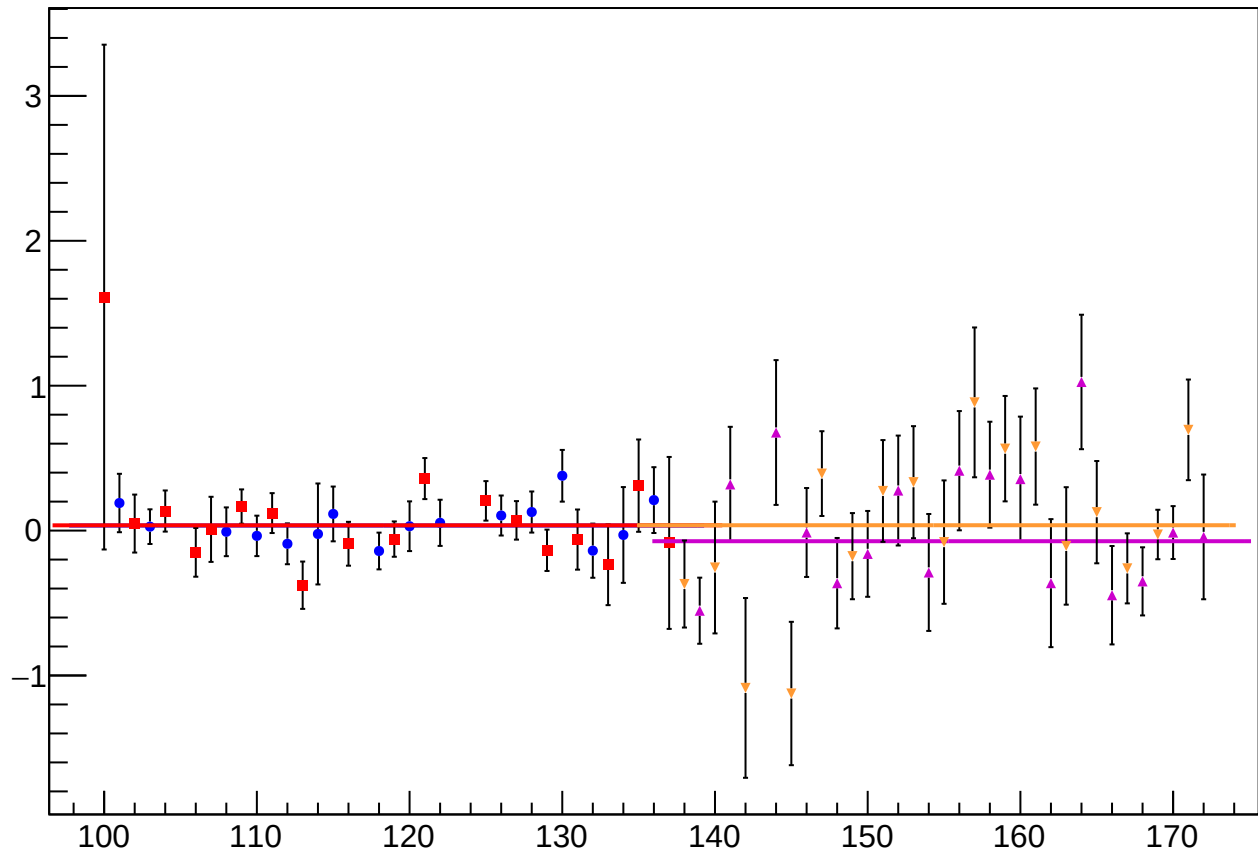
Left In: 0.000+/-0.000 χ^2/NDF : 1450647.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 2779864.3/32

All: 0.000+/-0.000 χ^2/NDF : 5281979.5/67

- sign 0.000+/-0.000 χ^2/NDF : 2492141.5/34

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

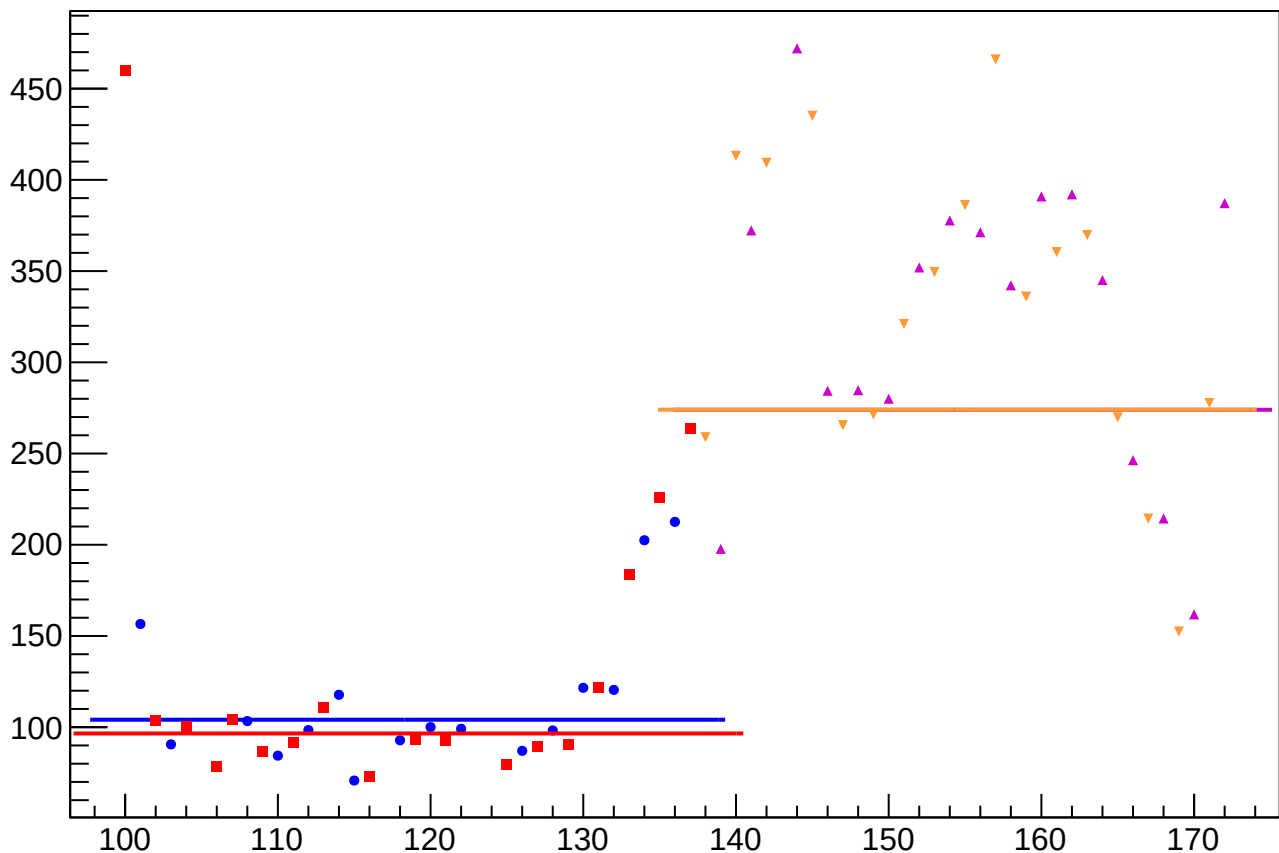
Left In: -0.073 ± 0.078 χ^2/NDF : 22.5/16

+ sign 0.035 ± 0.036 χ^2/NDF : 36.0/32

All: 0.024 ± 0.025 χ^2/NDF : 82.3/67

- sign 0.014 ± 0.035 χ^2/NDF : 46.1/34

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

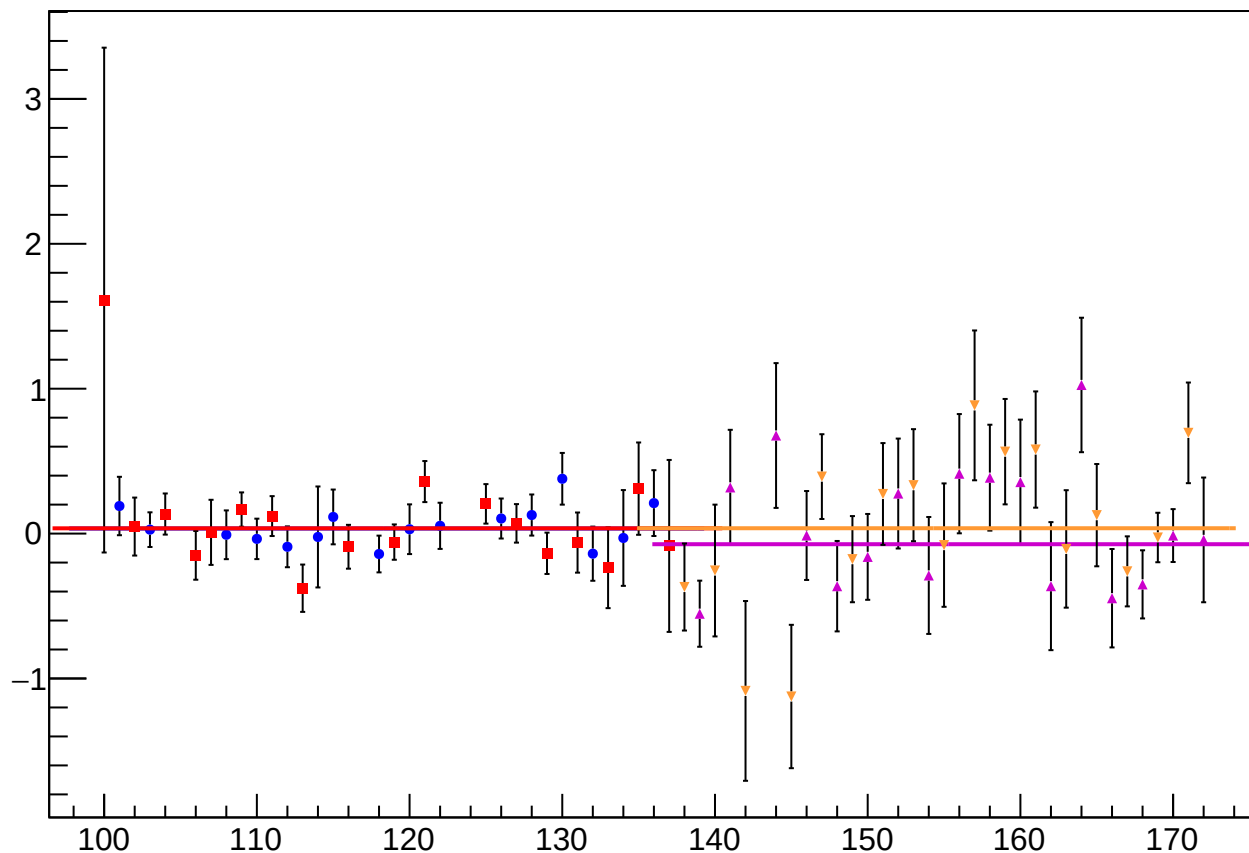
Left In: 273.986+/-0.055 χ^2/NDF : 2436479.1/16

+ sign 139.671+/-0.026 χ^2/NDF : 10597273.1/32

All: 135.720+/-0.018 χ^2/NDF : 22372393.6/67

- sign 132.128+/-0.025 χ^2/NDF : 11730330.0/34

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.041 χ^2 /NDF: 9.8/15

Left Out: 0.037 $\pm$ 0.080 χ^2 /NDF:26.2/16

Right Out: 0.036 $\pm$ 0.039 χ^2 /NDF: 22.0/17

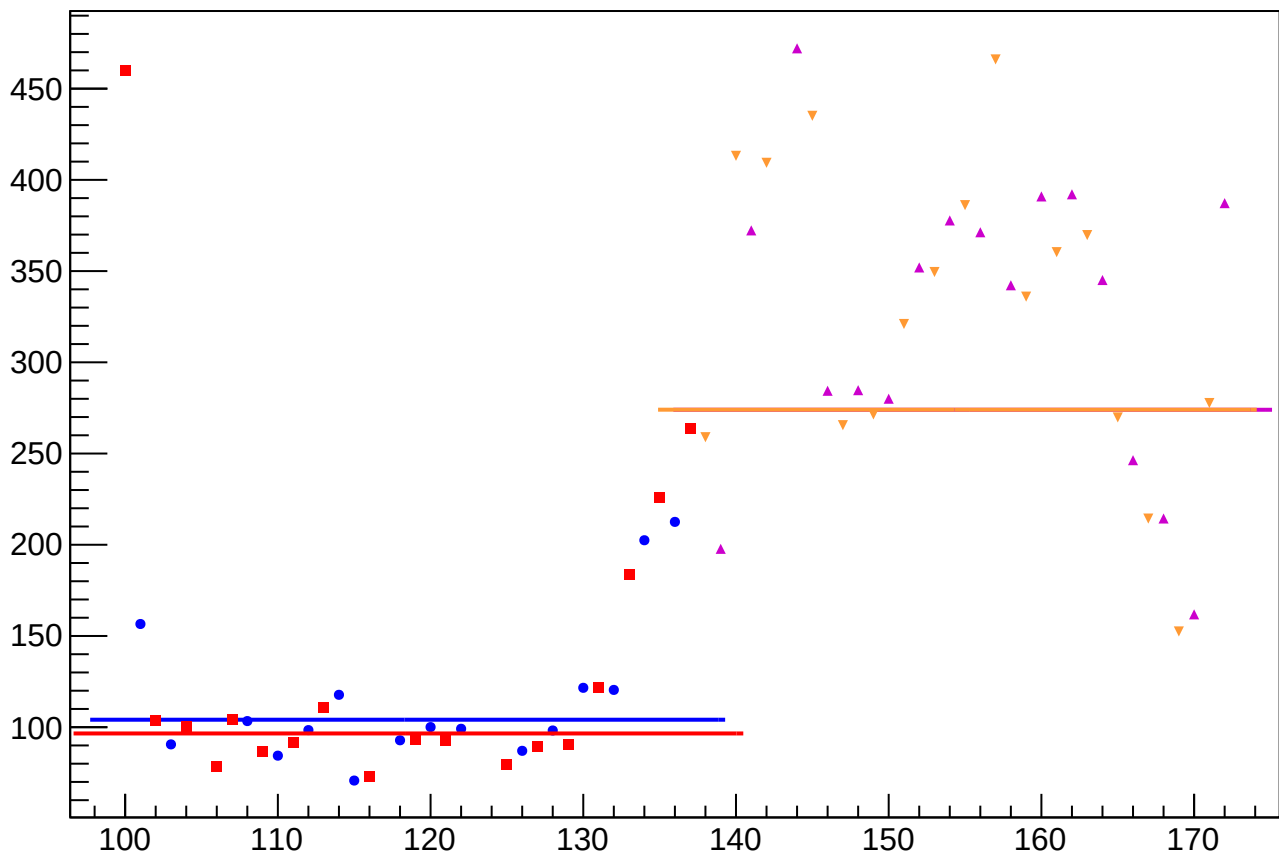
Left In: -0.073 $\pm$ 0.078 χ^2 /NDF:22.5/16

+ sign 0.035 $\pm$ 0.036 χ^2 /NDF: 36.0/32

All: 0.024 $\pm$ 0.025 χ^2 /NDF: 82.3/67

- sign 0.014 $\pm$ 0.035 χ^2 /NDF: 46.1/34

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 104.099 $\pm$ 0.029 χ^2 /NDF: 989856.1/15

Left Out: 274.034 $\pm$ 0.056 χ^2 /NDF: 2426059.5/16

Right Out: 96.569 $\pm$ 0.028 χ^2 /NDF: 955547.2/17

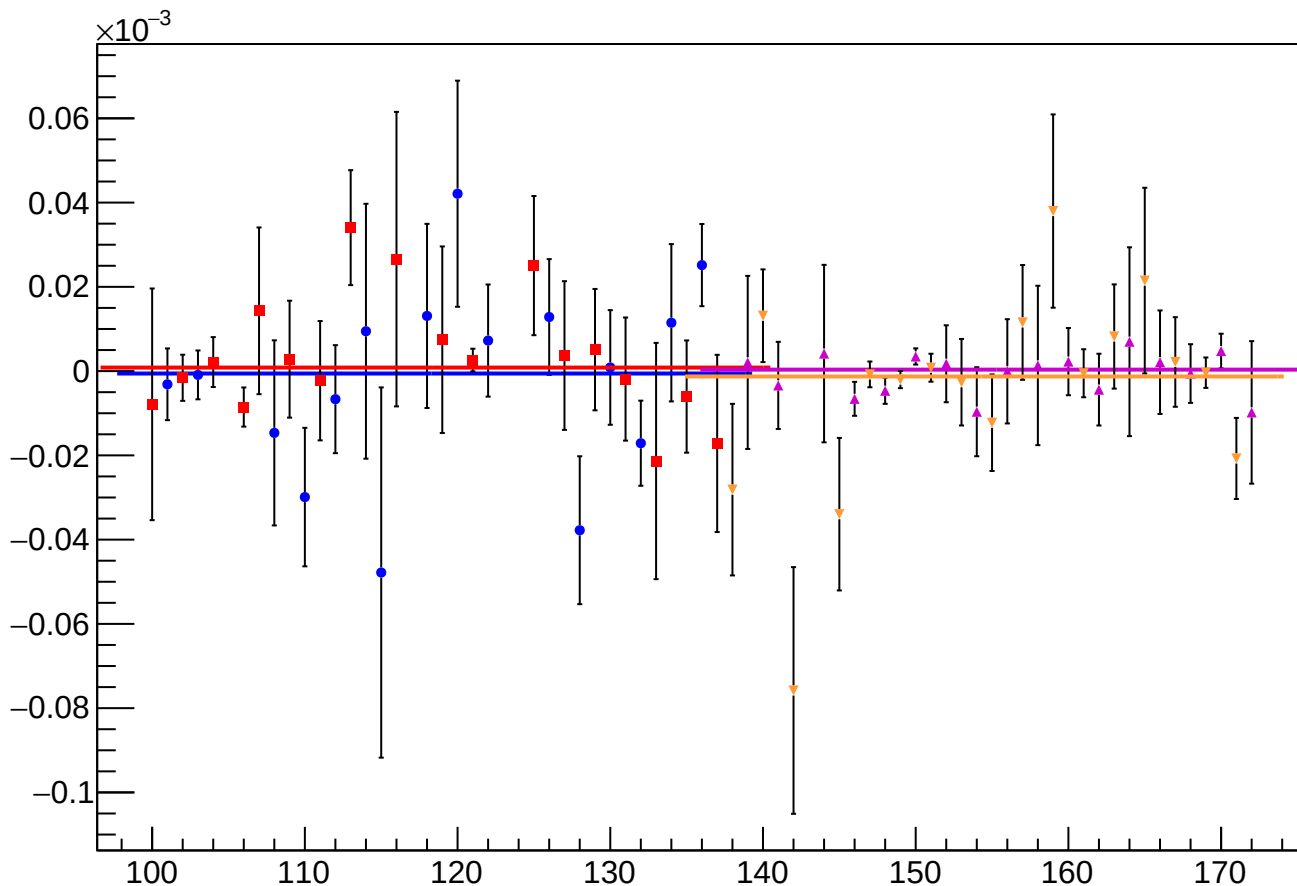
Left In: 273.986 $\pm$ 0.055 χ^2 /NDF: 2436479.1/16

+ sign 139.671 $\pm$ 0.026 χ^2 /NDF: 10597273.1/32

All: 135.720 $\pm$ 0.018 χ^2 /NDF: 22372393.6/67

- sign 132.128 $\pm$ 0.025 χ^2 /NDF: 11730330.0/34

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:24.4/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/17

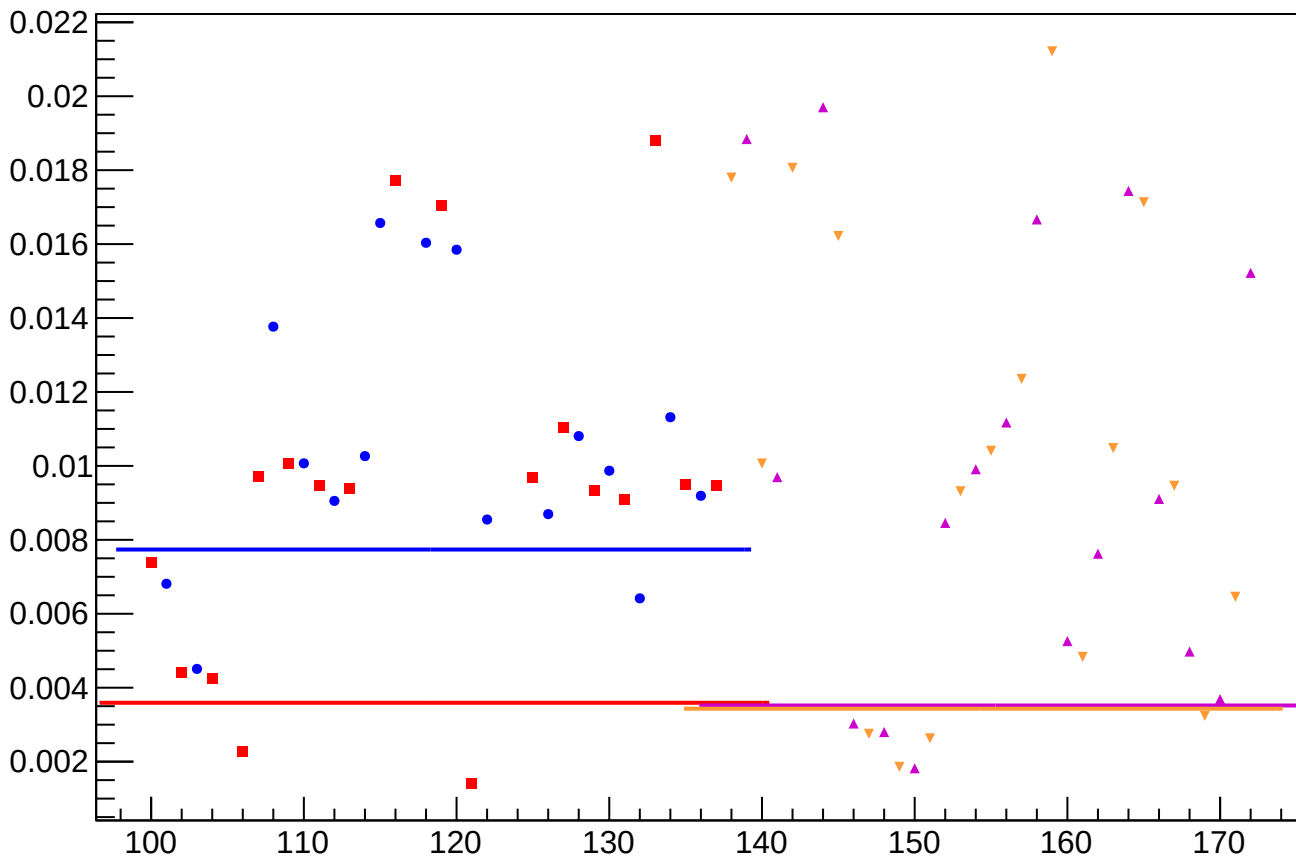
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.3/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.4/32

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 76.8/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.2/34

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1701473.5/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:10474933.3/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 6364883.4/17

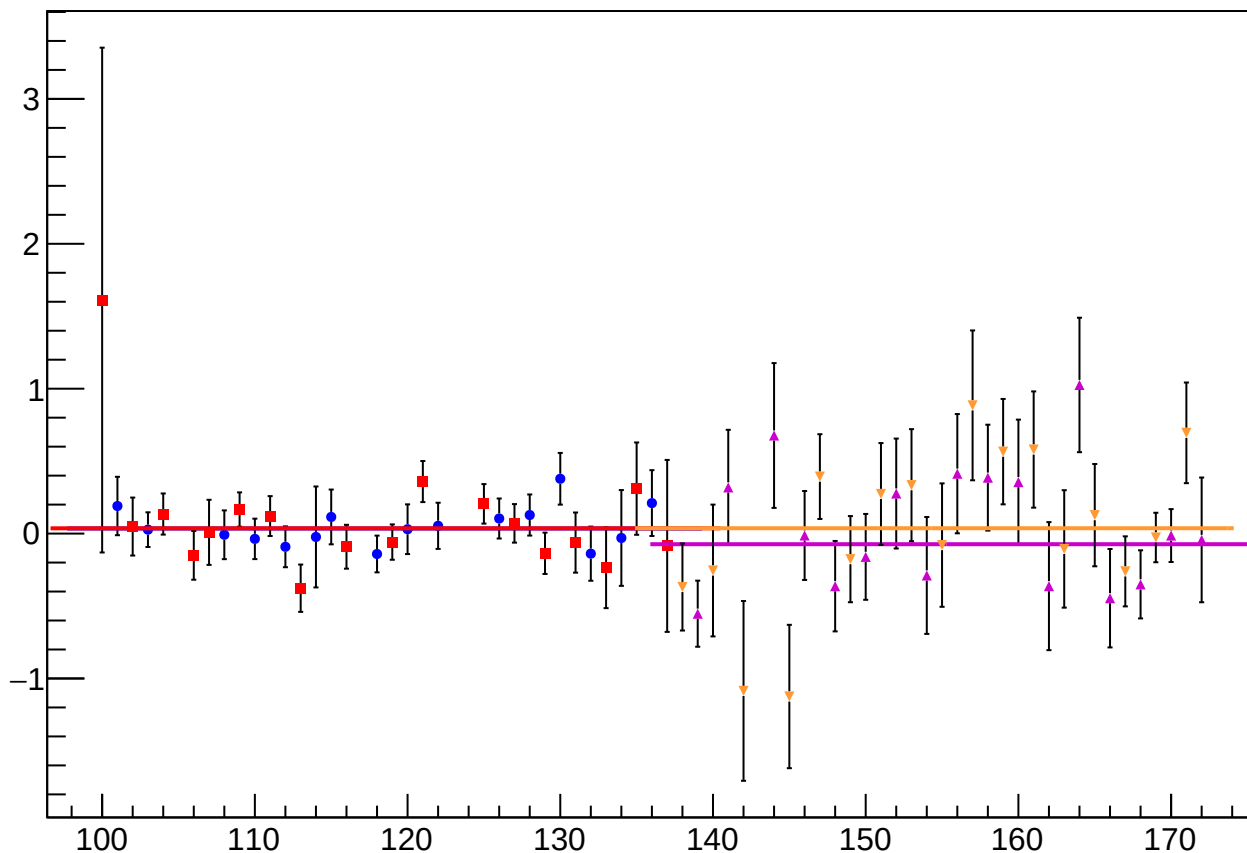
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:10545615.8/16

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 15454696.7/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 32573719.1/67

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 16912624.7/34

asym_usl_atl2_dd_eigen_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

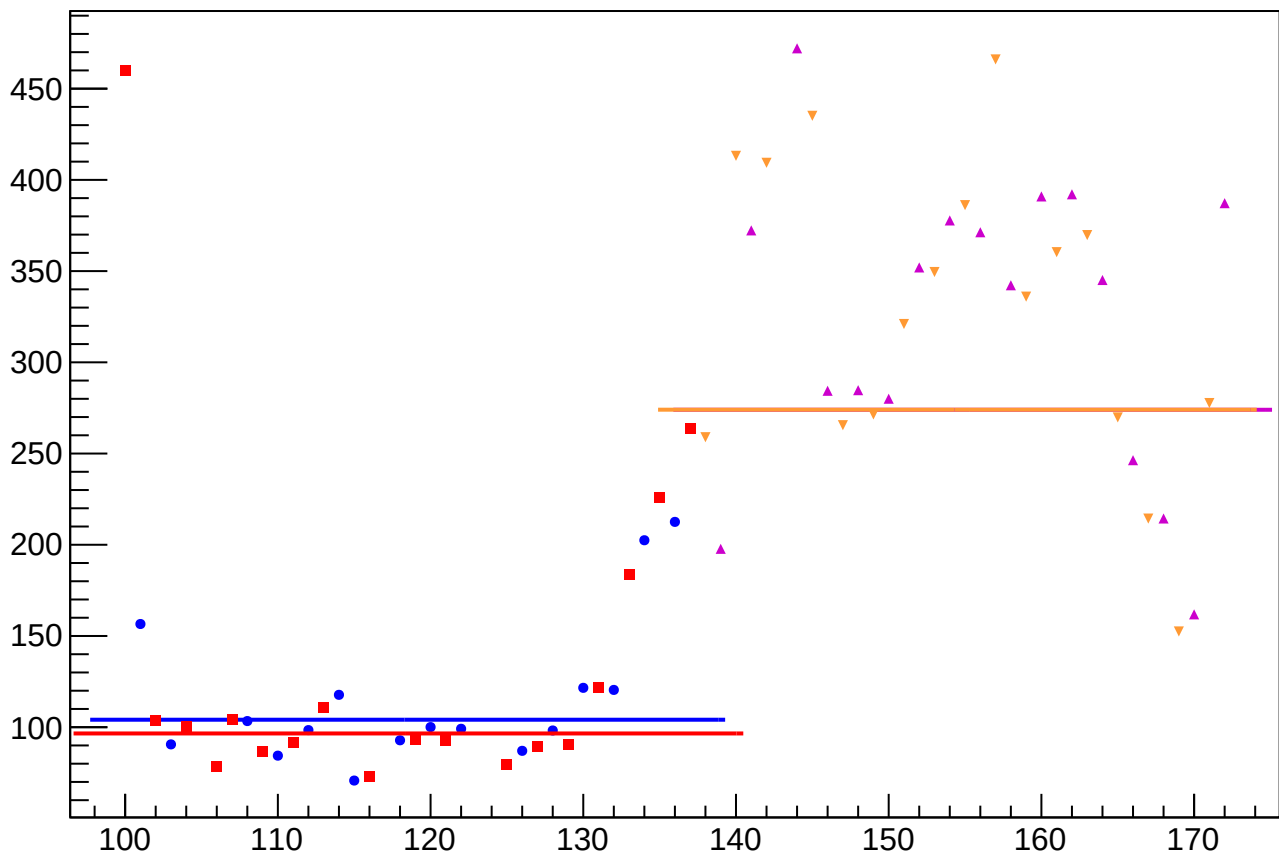
Left In: -0.073 ± 0.078 χ^2/NDF : 22.5/16

+ sign 0.035 ± 0.036 χ^2/NDF : 36.0/32

All: 0.024 ± 0.025 χ^2/NDF : 82.3/67

- sign 0.014 ± 0.035 χ^2/NDF : 46.1/34

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 104.100 $\pm$ 0.029 χ^2 /NDF: 989809.0/15

Left Out: 274.036 $\pm$ 0.056 χ^2 /NDF: 2426147.0/16

Right Out: 96.570 $\pm$ 0.028 χ^2 /NDF: 955477.2/17

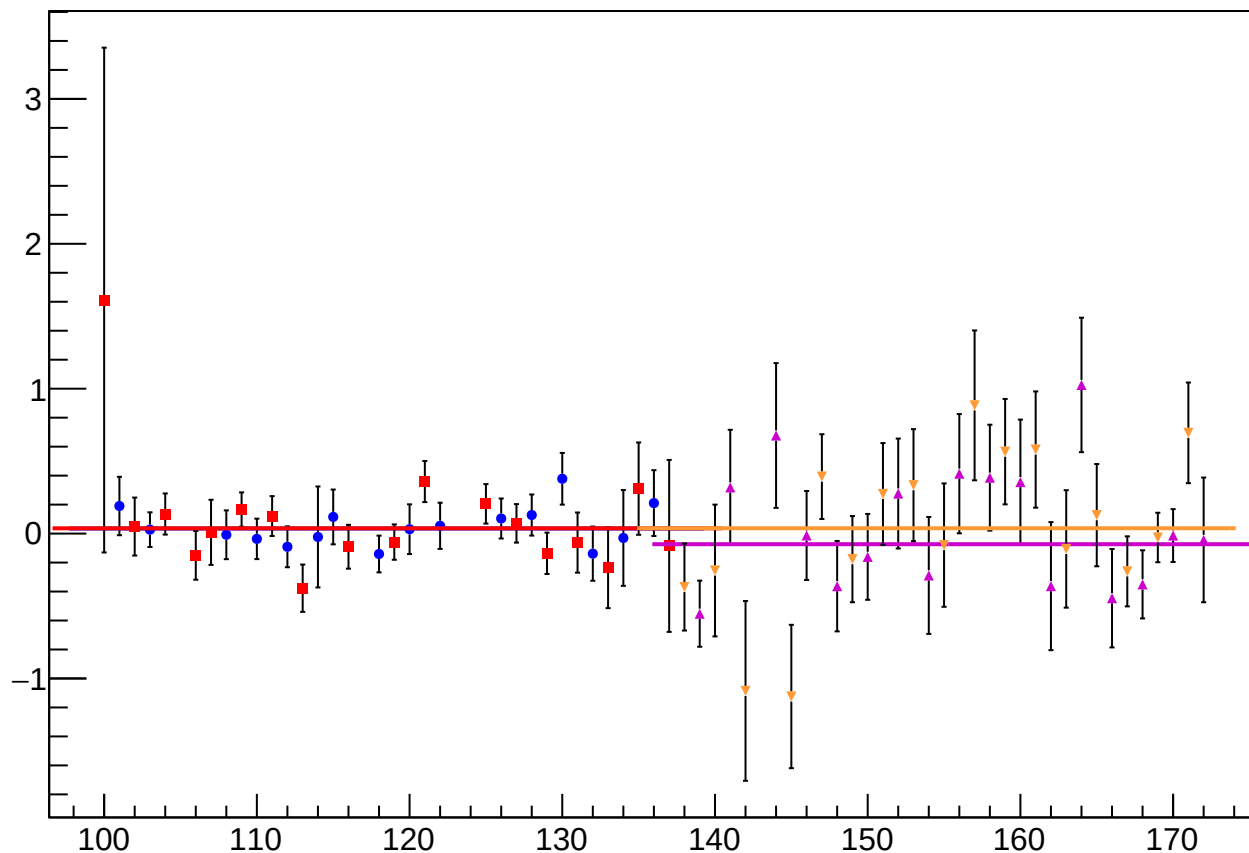
Left In: 273.990 $\pm$ 0.055 χ^2 /NDF: 2436454.7/16

+ sign 139.672 $\pm$ 0.026 χ^2 /NDF: 10597302.8/32

All: 135.721 $\pm$ 0.018 χ^2 /NDF: 22372333.4/67

- sign 132.129 $\pm$ 0.025 χ^2 /NDF: 11730247.7/34

asym_usl_atl2_dd_eigen_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

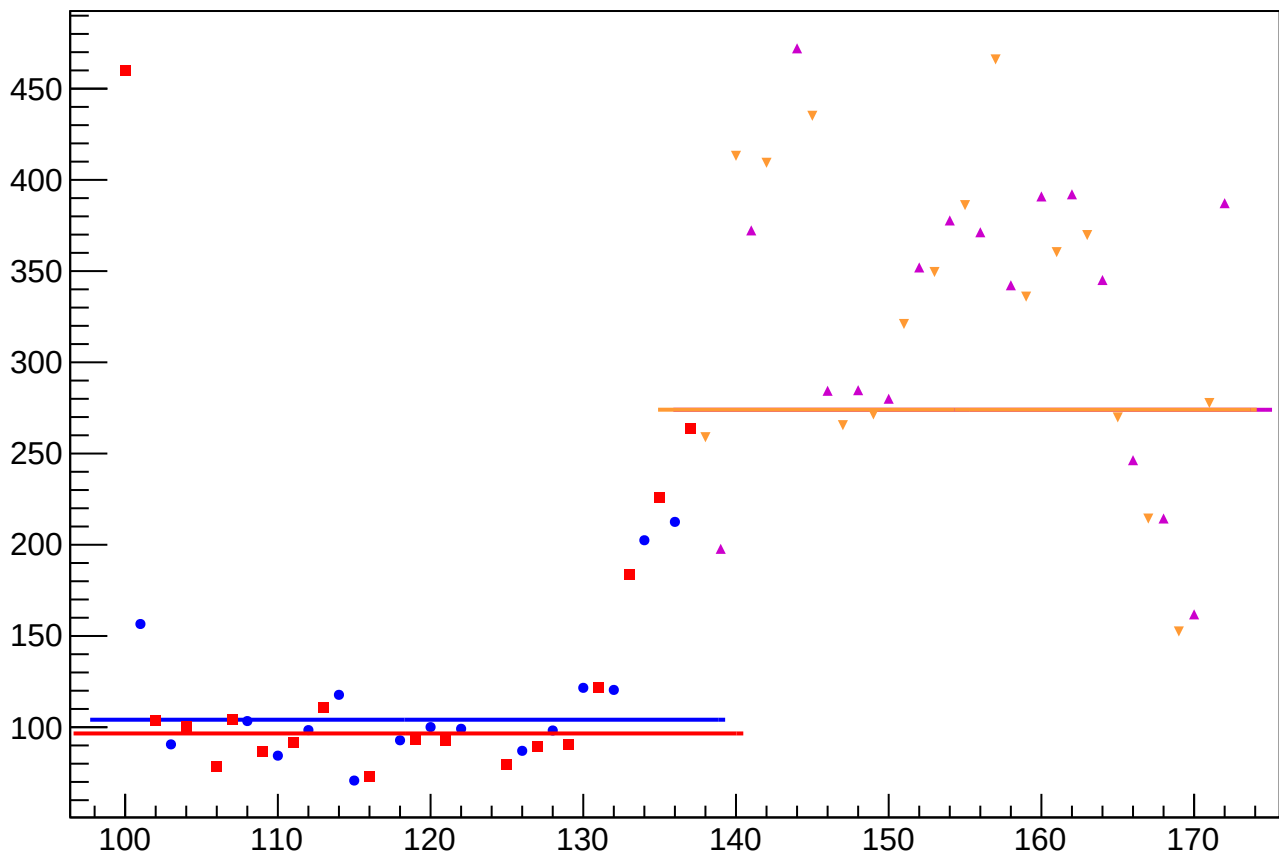
Left In: -0.073 ± 0.078 χ^2/NDF : 22.5/16

+ sign 0.035 ± 0.036 χ^2/NDF : 36.0/32

All: 0.024 ± 0.025 χ^2/NDF : 82.3/67

- sign 0.014 ± 0.035 χ^2/NDF : 46.1/34

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

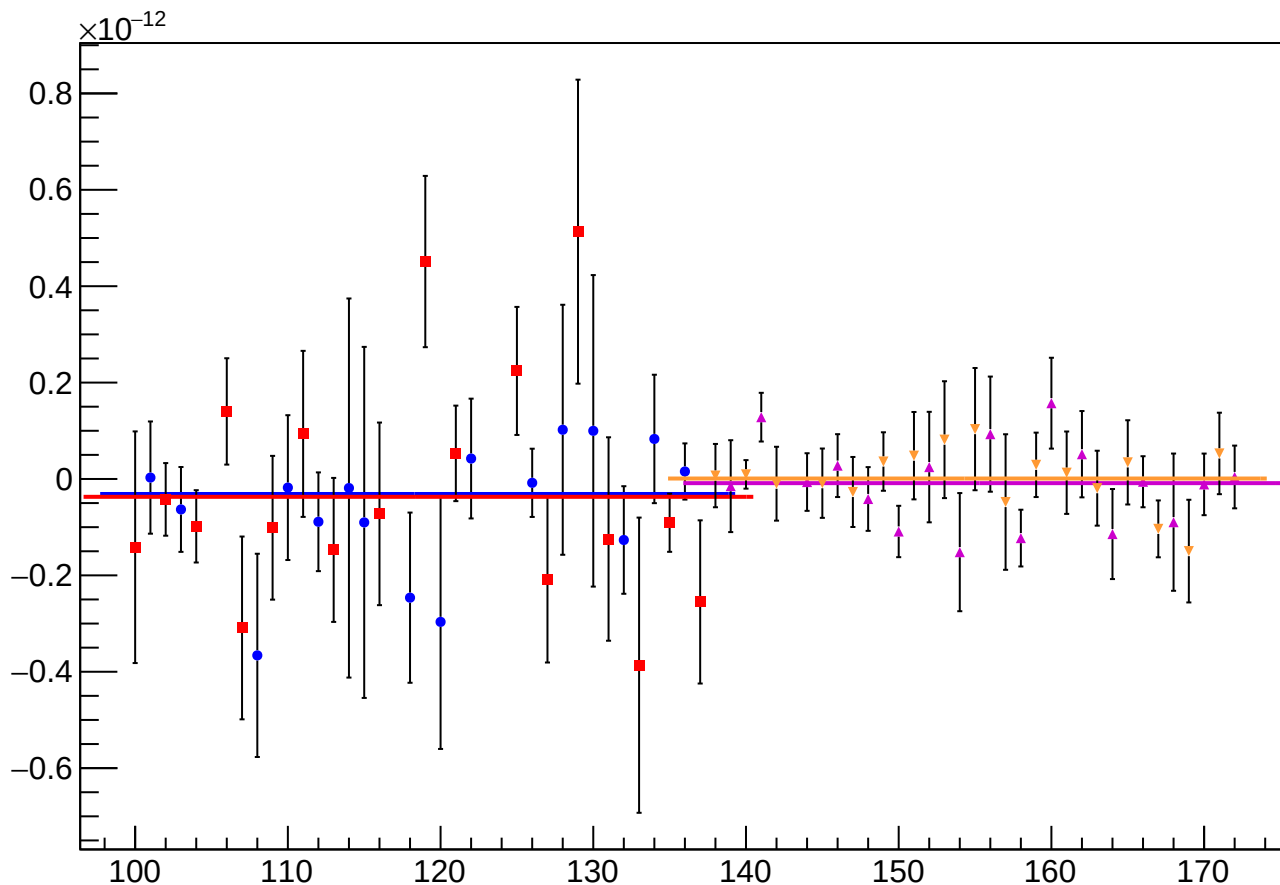
Left In: 273.990+/-0.055 χ^2/NDF : 2436454.7/16

+ sign 139.672+/-0.026 χ^2/NDF : 10597302.8/32

All: 135.721+/-0.018 χ^2/NDF : 22372333.4/67

- sign 132.129+/-0.025 χ^2/NDF : 11730247.7/34

asym_usl_atl2_dd_eigen_cor_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 : 8.0/16

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.0/17

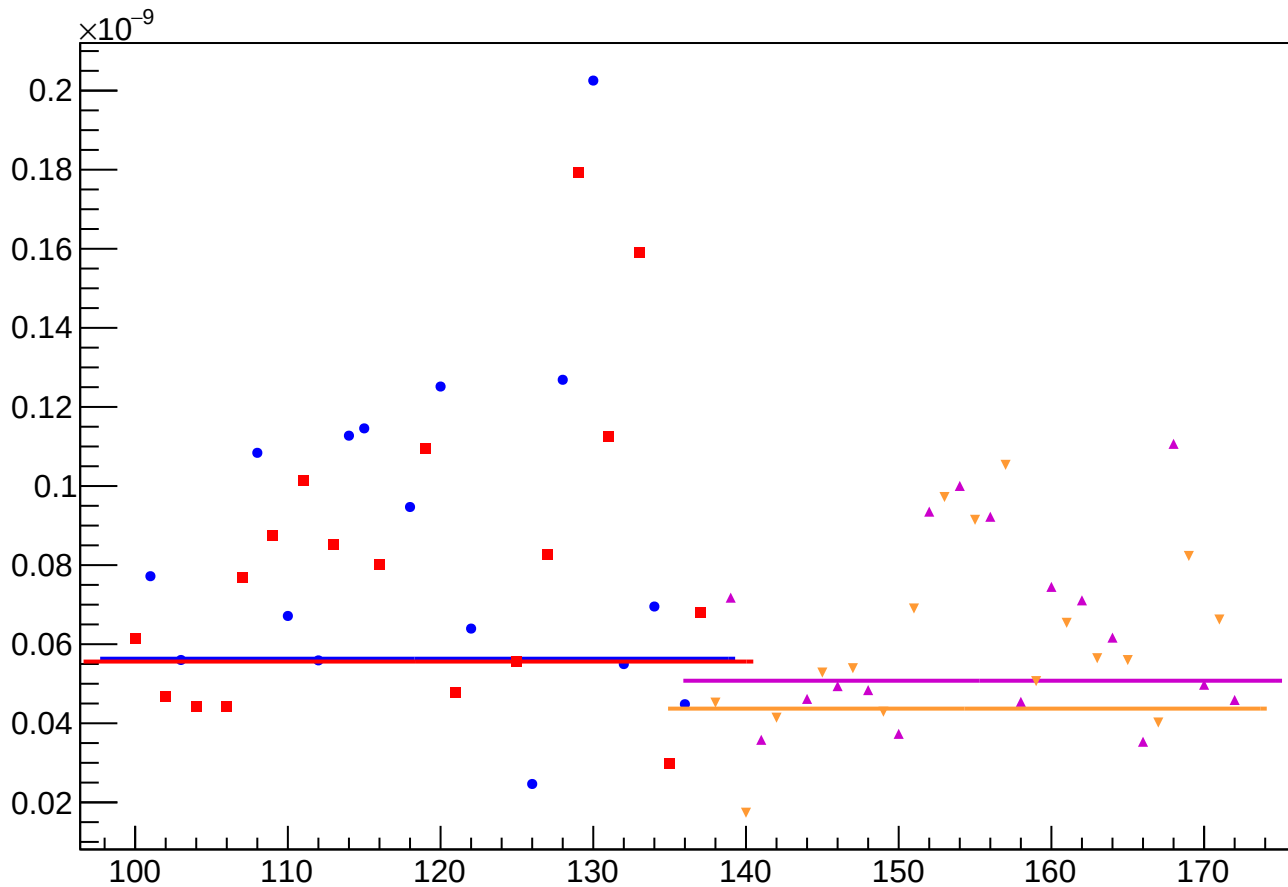
Left In: -0.000 ± 0.000 χ^2/NDF : 22.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 17.5/32

All: -0.000 ± 0.000 χ^2/NDF : 68.1/67

- sign -0.000 ± 0.000 χ^2/NDF : 50.3/34

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

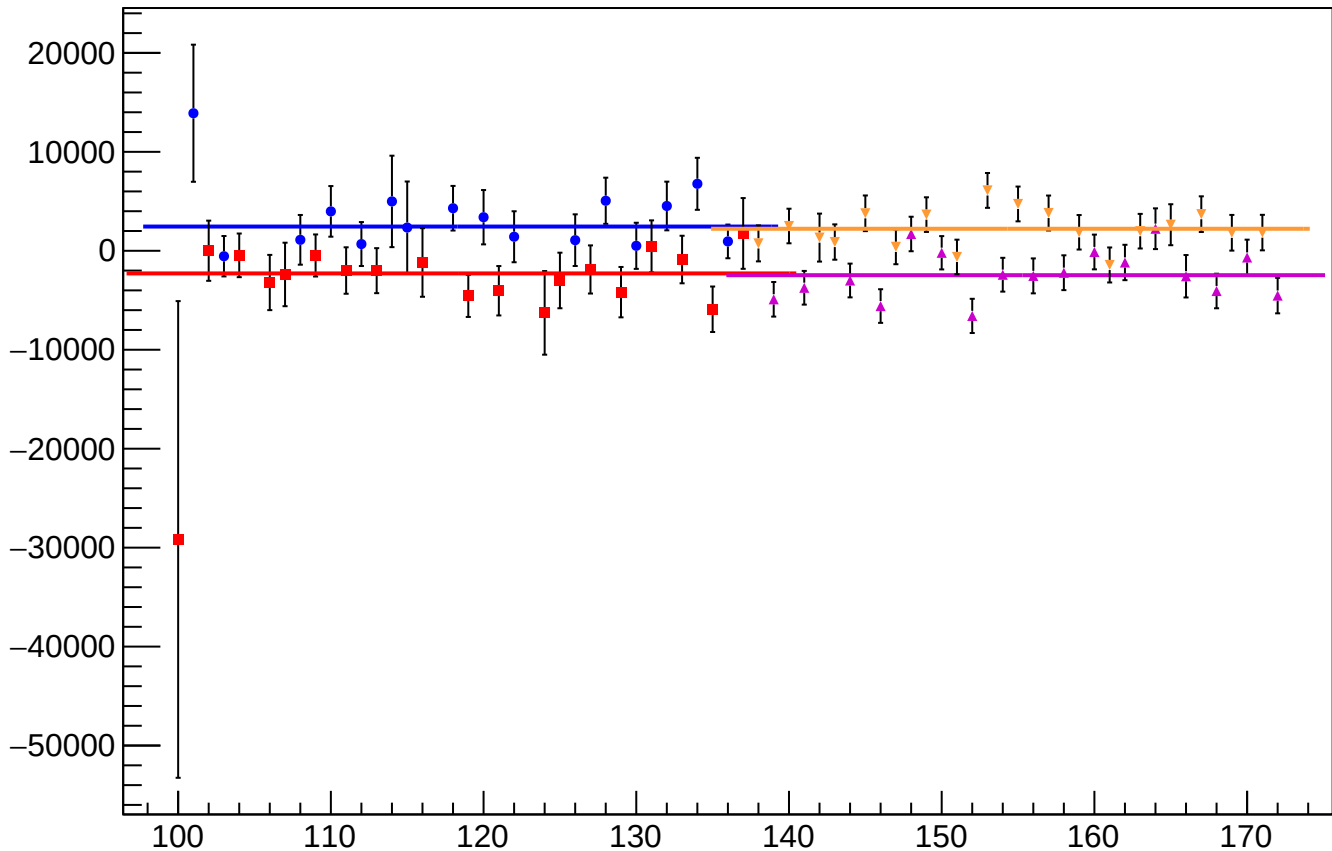
Left In: 0.000+/-0.000 χ^2/NDF : 2065615.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 5386106.5/32

All: 0.000+/-0.000 χ^2/NDF : 9394441.4/67

- sign 0.000+/-0.000 χ^2/NDF : 3874791.4/34

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.957 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 2226.851 $\pm$ 426.343 χ^2 /NDF: 19.4/17

Right Out: -2286.573 $\pm$ 609.157 χ^2 /NDF: 11.8/18

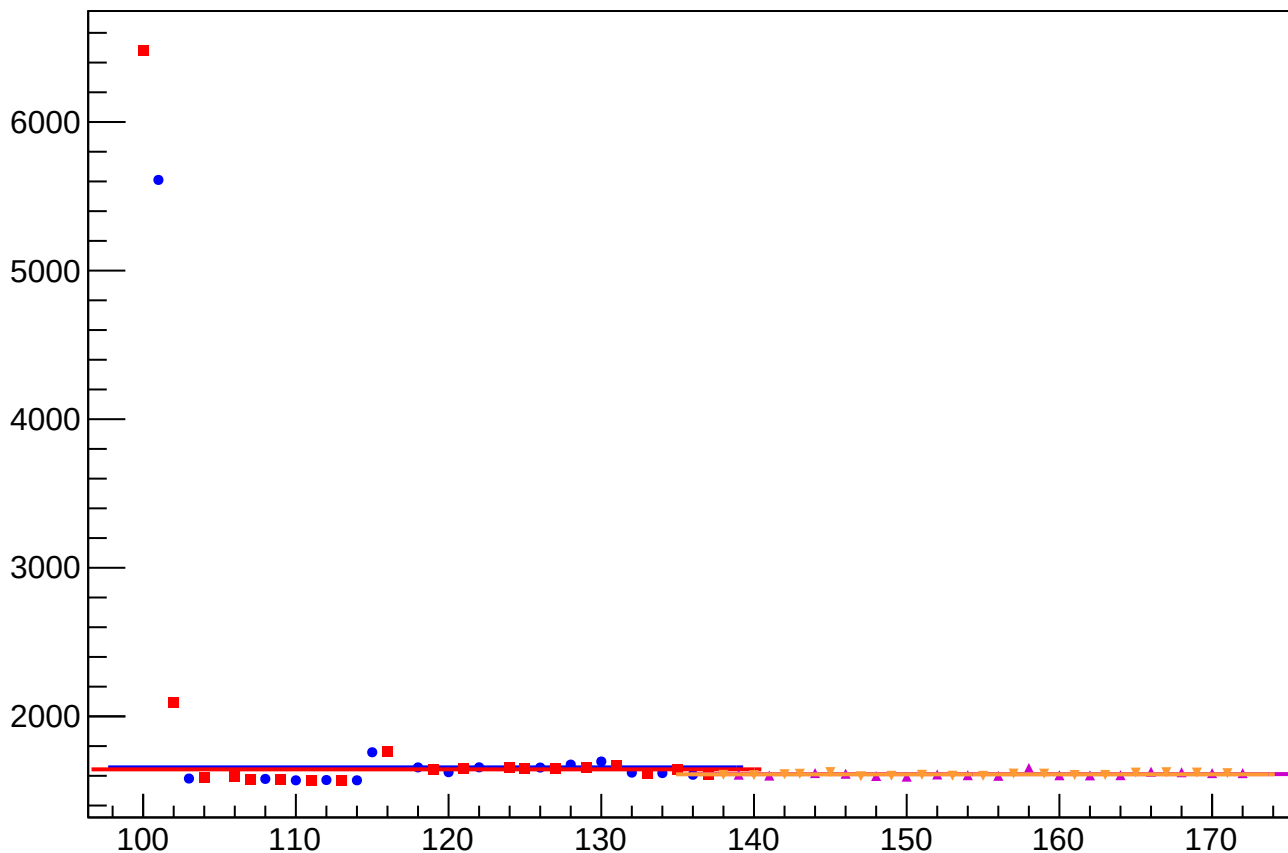
Left In: -2464.782 $\pm$ 430.182 χ^2 /NDF: 29.8/16

+ sign 2296.896 $\pm$ 353.131 χ^2 /NDF: 33.3/33

All: -65.888 $\pm$ 249.085 χ^2 /NDF: 164.1/69

- sign -2405.482 $\pm$ 351.393 χ^2 /NDF: 41.7/35

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

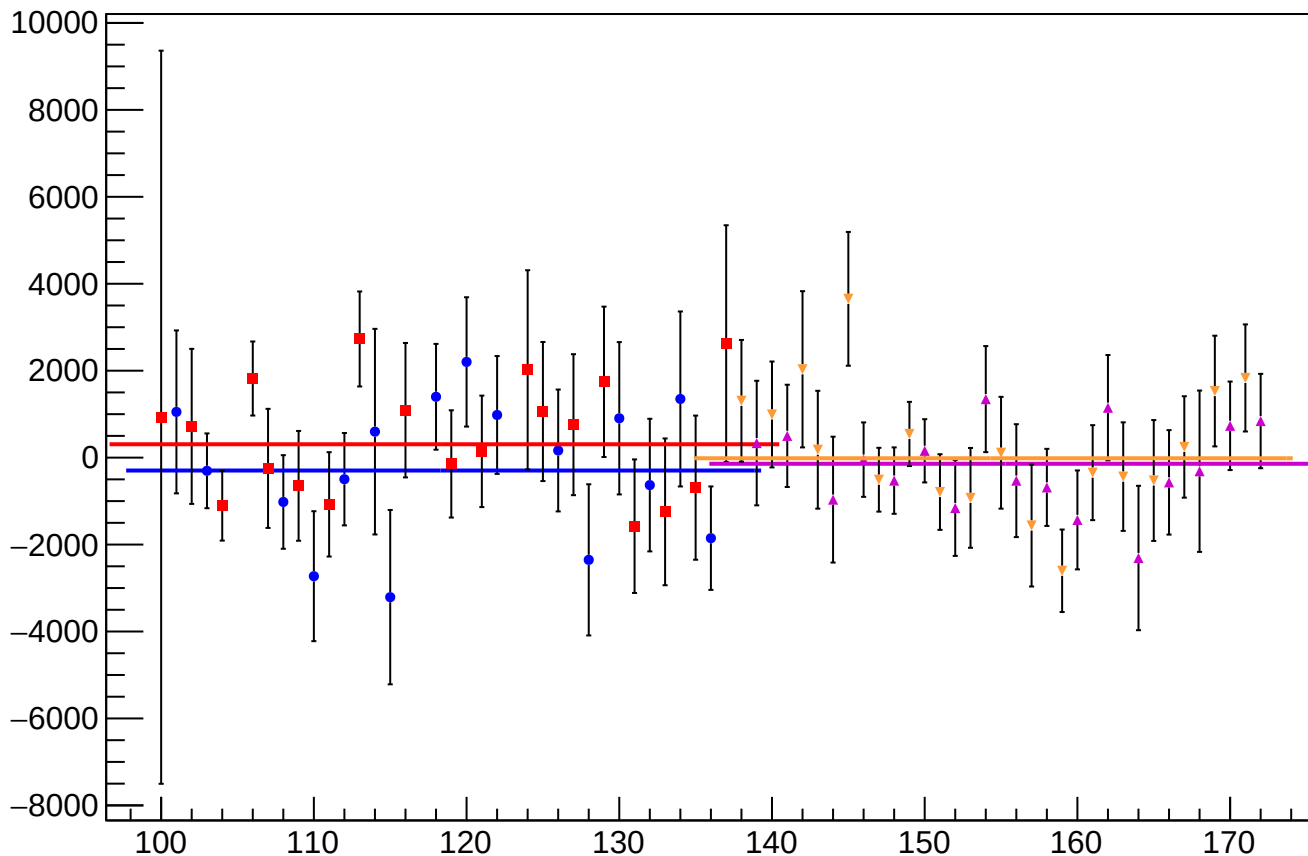
Left In: 1611.569+/-0.304 χ^2/NDF : 2016.9/16

+ sign 1624.633+/-0.250 χ^2/NDF : 674599.4/33

All: 1623.396+/-0.176 χ^2/NDF : 817313.7/69

- sign 1622.171+/-0.248 χ^2/NDF : 142665.4/35

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

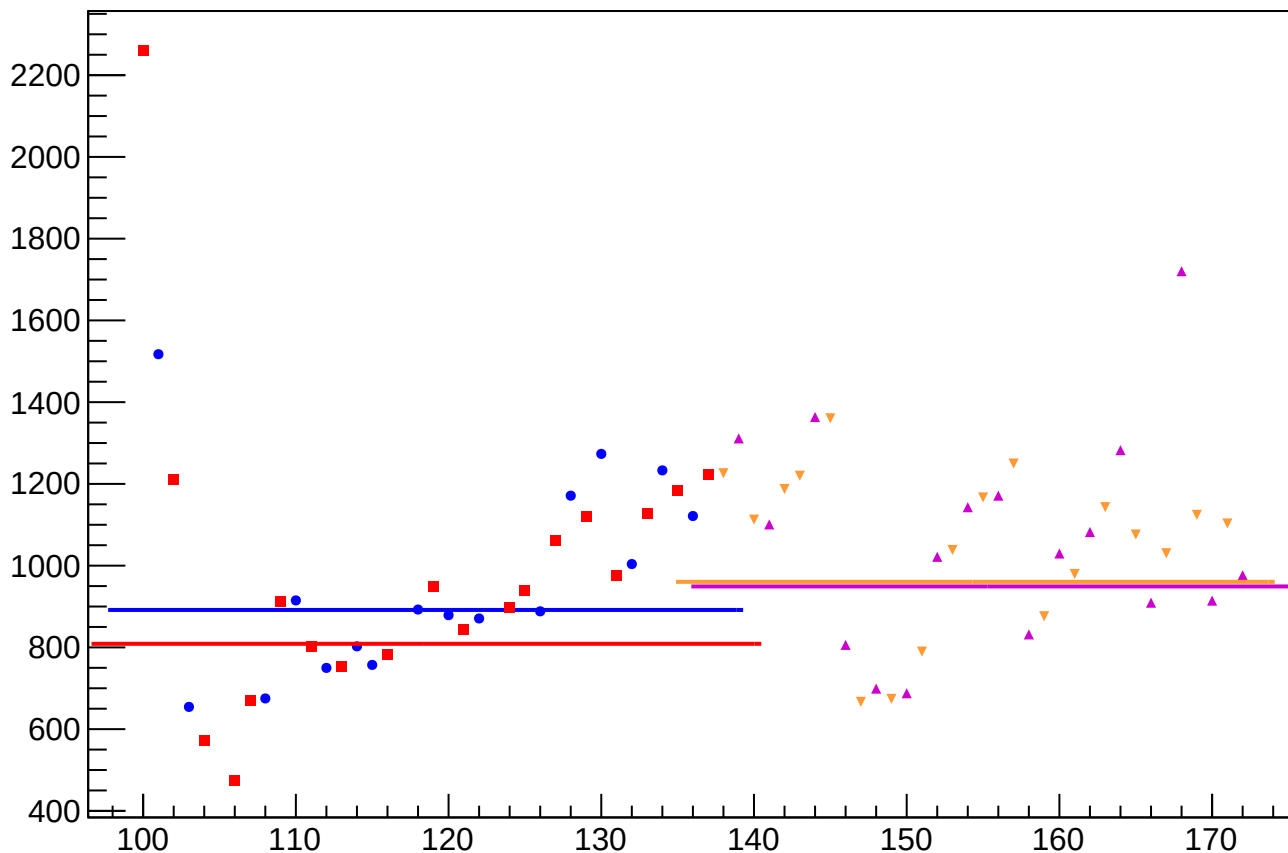
Left In: -141.256+/-261.475 χ^2/NDF :9.8/16

+ sign -118.629+/-208.791 χ^2/NDF : 40.2/33

All: -34.461+/-144.678 χ^2/NDF : 70.2/69

- sign 43.280+/-200.662 χ^2/NDF : 29.7/35

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

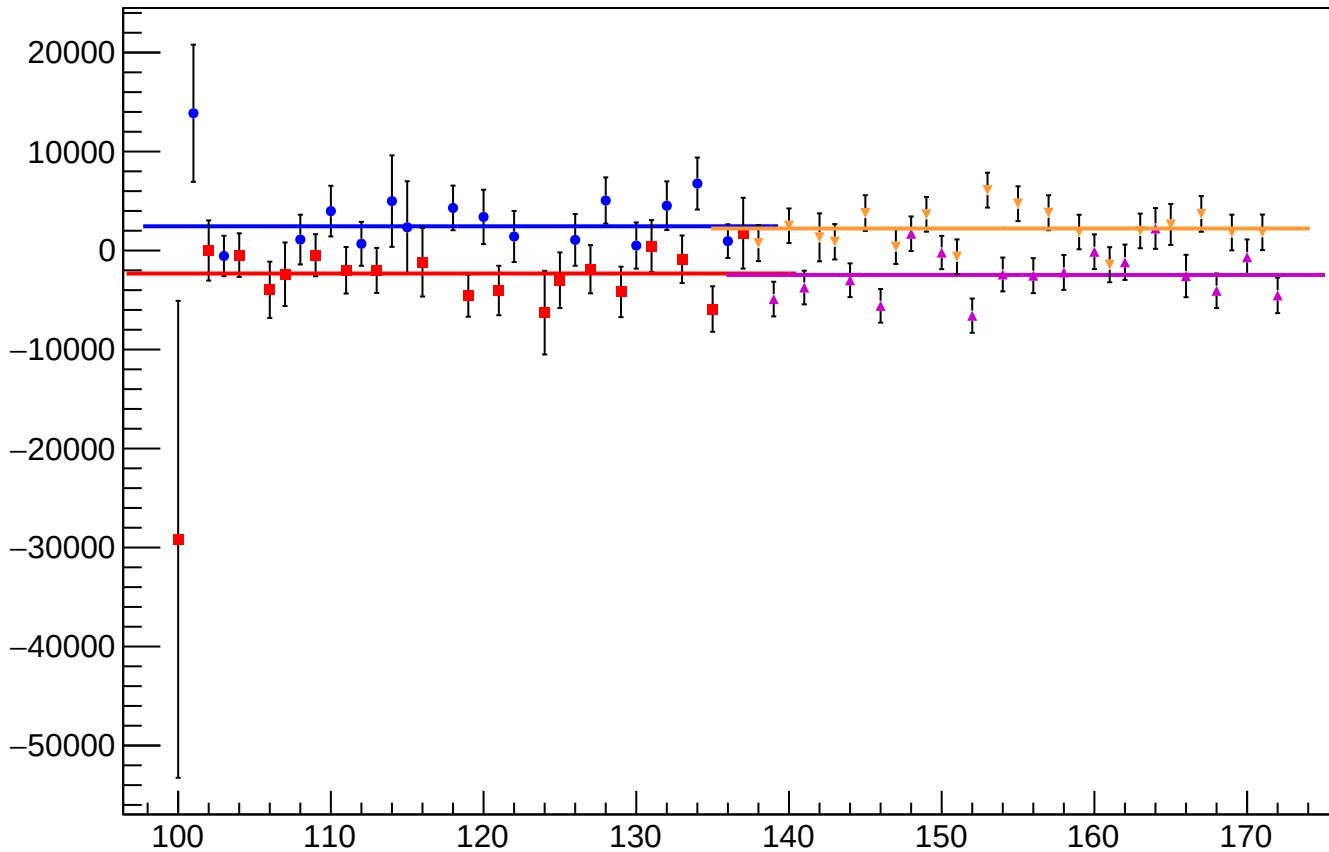
Left In: 949.104+/-0.185 χ^2/NDF : 1471665.9/16

+ sign 934.994+/-0.148 χ^2/NDF : 2172212.0/33

All: 912.350+/-0.102 χ^2/NDF : 5009652.4/69

- sign 891.434+/-0.142 χ^2/NDF : 2792185.7/35

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 2226.818 $\pm$ 426.343 χ^2 /NDF: 19.4/17

Right Out: -2320.575 $\pm$ 609.657 χ^2 /NDF: 12.1/18

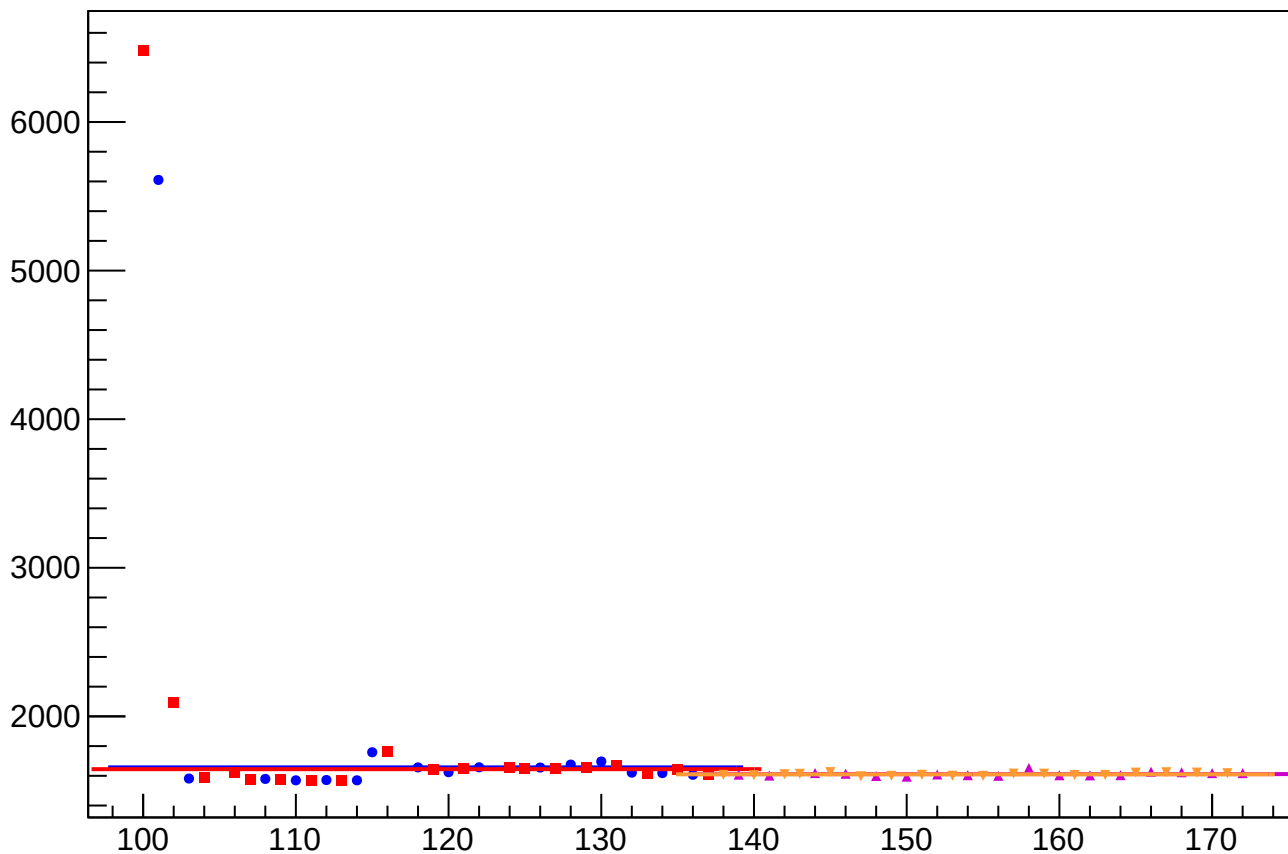
Left In: -2464.809 $\pm$ 430.182 χ^2 /NDF: 29.8/16

+ sign 2296.698 $\pm$ 353.131 χ^2 /NDF: 33.3/33

All: -71.064 $\pm$ 249.119 χ^2 /NDF: 164.7/69

- sign -2416.866 $\pm$ 351.489 χ^2 /NDF: 41.9/35

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683 $\pm$ 0.446 χ^2 /NDF: 666225.7/15

Left Out: 1609.966 $\pm$ 0.301 χ^2 /NDF: 834.0/17

Right Out: 1644.733 $\pm$ 0.431 χ^2 /NDF: 136483.1/18

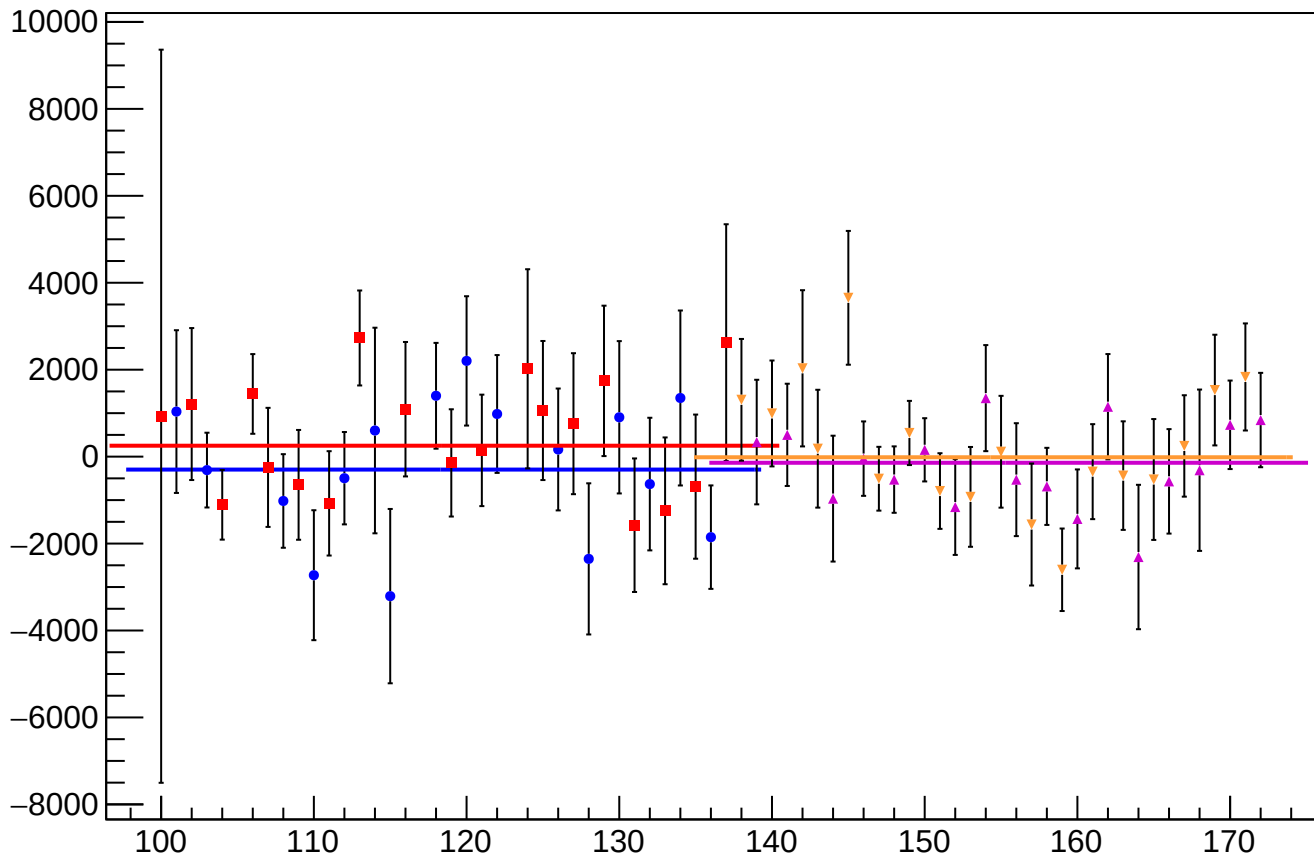
Left In: 1611.569 $\pm$ 0.304 χ^2 /NDF: 2016.9/16

+ sign 1624.633 $\pm$ 0.250 χ^2 /NDF: 674598.9/33

All: 1623.608 $\pm$ 0.176 χ^2 /NDF: 817083.5/69

- sign 1622.593 $\pm$ 0.249 χ^2 /NDF: 142451.0/35

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -297.794 ± 343.391 $\chi^2/\text{NDF}: 15.9/15$

Left Out: -14.446 ± 262.966 $\chi^2/\text{NDF}: 23.8/17$

Right Out: 251.230 ± 315.749 $\chi^2/\text{NDF}: 17.3/18$

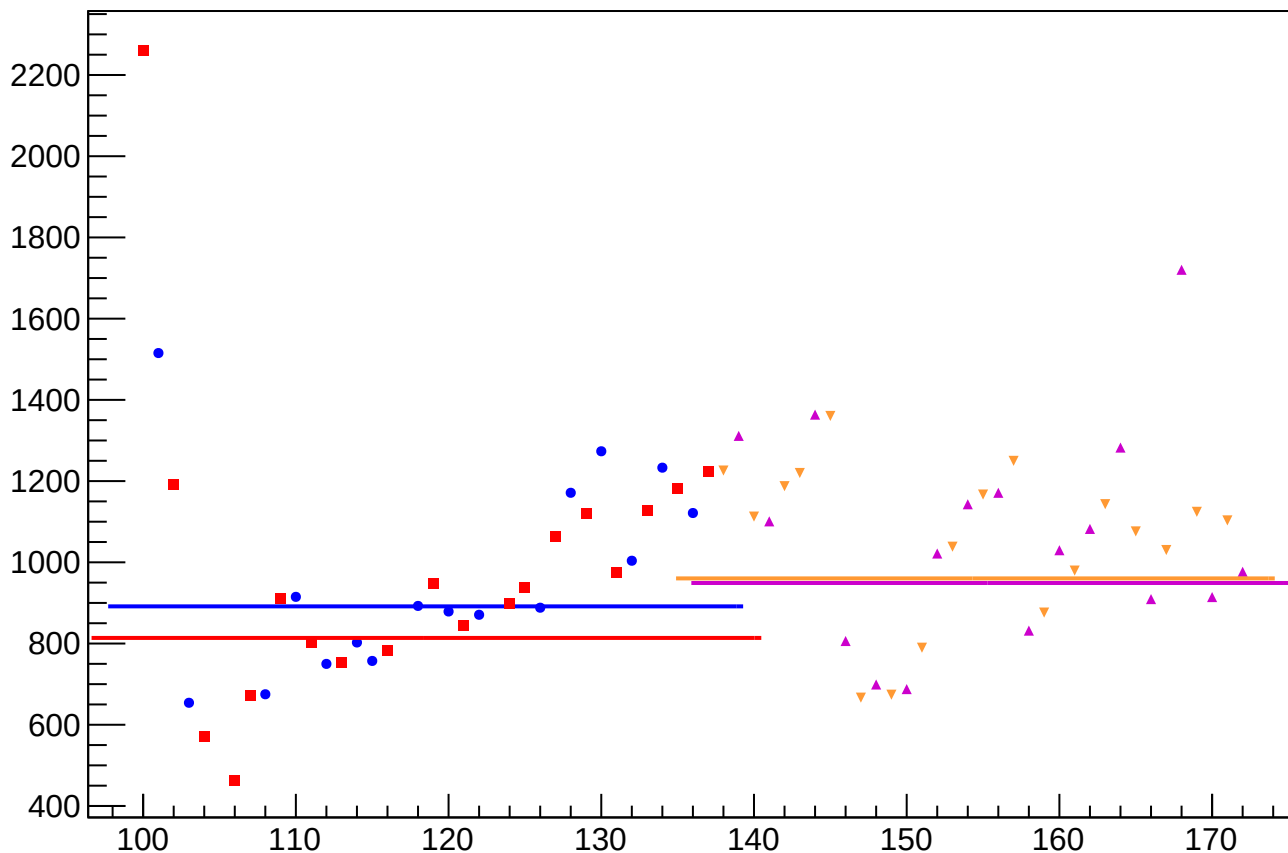
Left In: -141.300 ± 261.476 $\chi^2/\text{NDF}: 9.8/16$

+ sign -119.188 ± 208.780 $\chi^2/\text{NDF}: 40.2/33$

All: -47.925 ± 144.945 $\chi^2/\text{NDF}: 68.4/69$

- sign 18.381 ± 201.387 $\chi^2/\text{NDF}: 28.0/35$

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

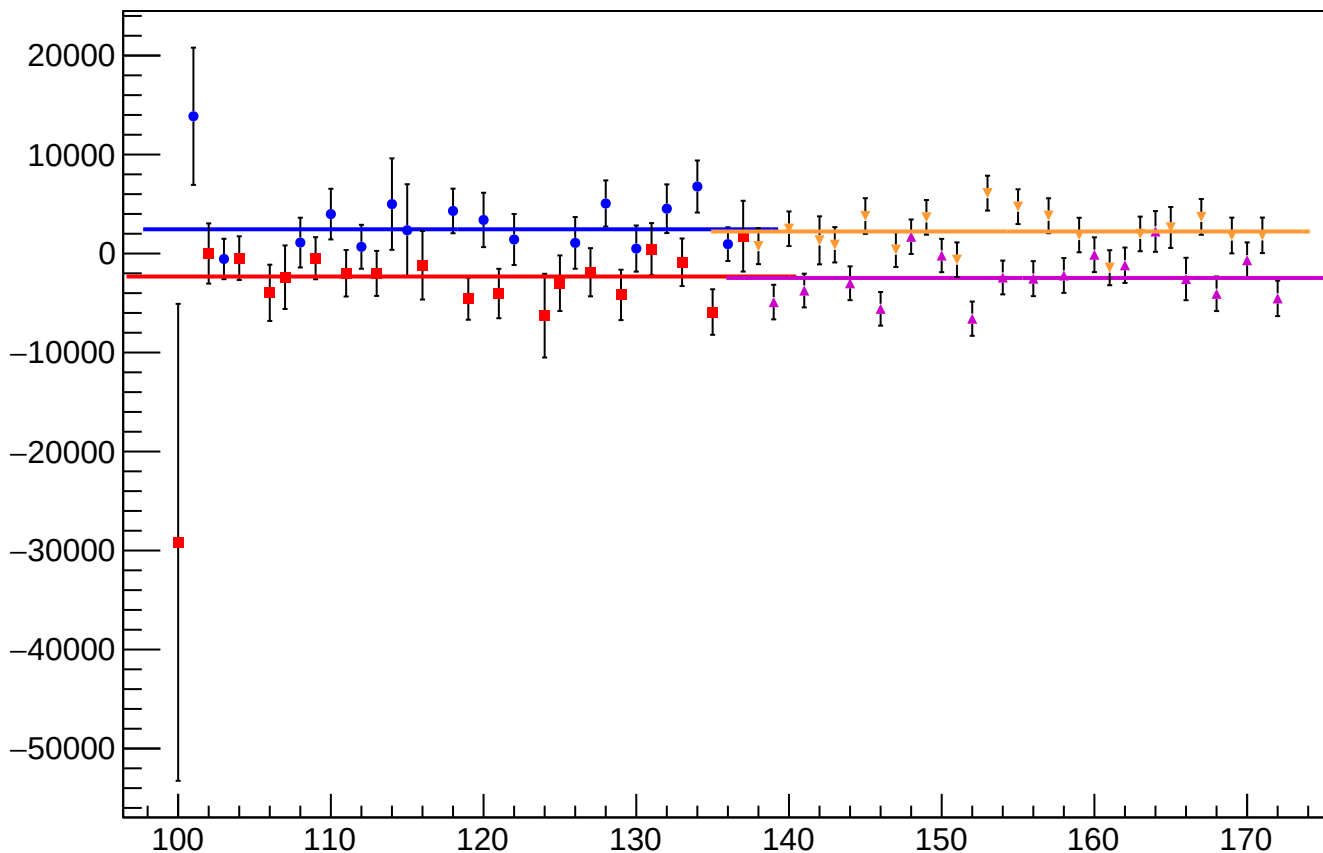
Left In: 949.109+/-0.185 χ^2/NDF : 1471617.8/16

+ sign 934.947+/-0.148 χ^2/NDF : 2172205.9/33

All: 913.771+/-0.102 χ^2/NDF : 4954382.2/69

- sign 894.068+/-0.142 χ^2/NDF : 2742457.1/35

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2449.397 $\pm$ 630.235 χ^2 /NDF: 13.8/15

Left Out: 2226.818 $\pm$ 426.343 χ^2 /NDF: 19.4/17

Right Out: -2320.575 $\pm$ 609.657 χ^2 /NDF: 12.1/18

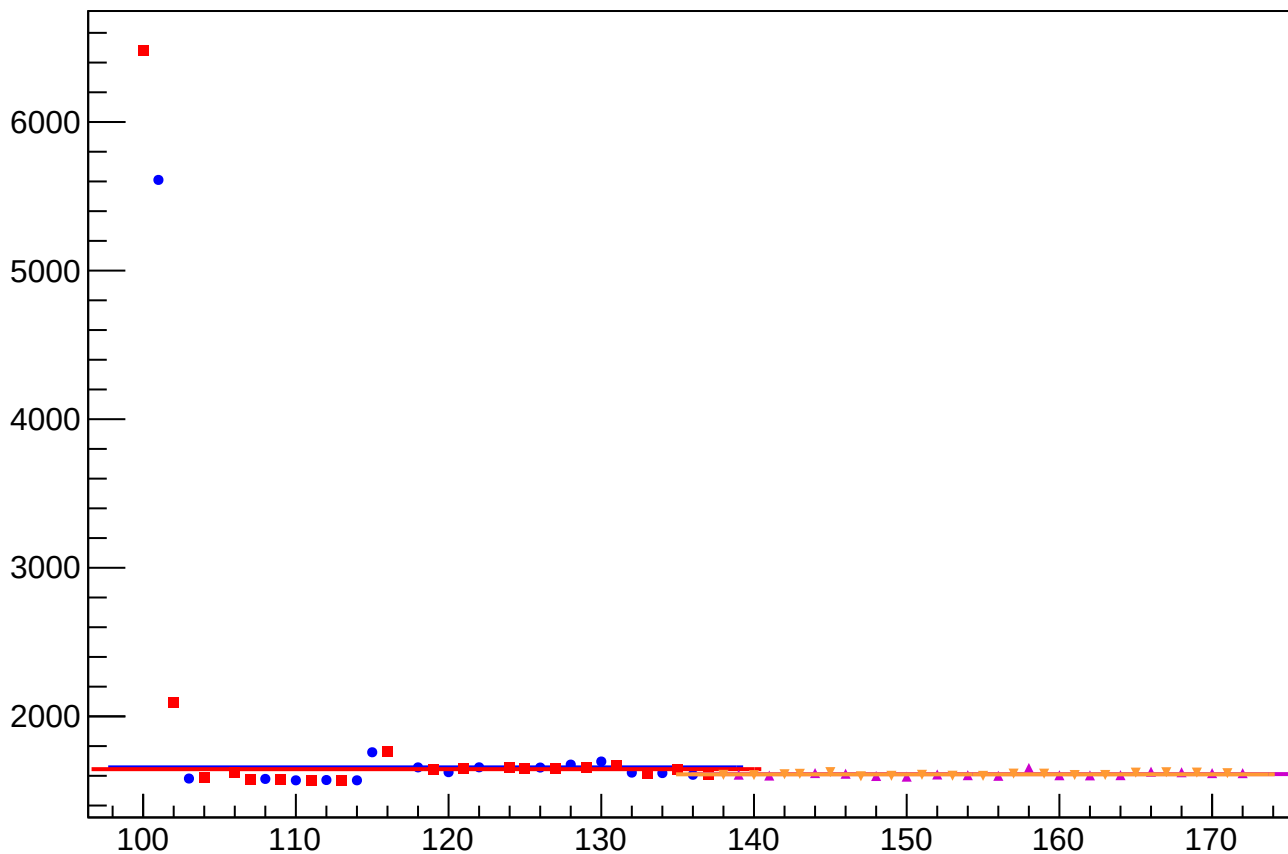
Left In: -2464.809 $\pm$ 430.182 χ^2 /NDF: 29.8/16

+ sign 2296.698 $\pm$ 353.131 χ^2 /NDF: 33.3/33

All: -71.064 $\pm$ 249.119 χ^2 /NDF: 164.7/69

- sign -2416.866 $\pm$ 351.489 χ^2 /NDF: 41.9/35

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.683 $\pm$ 0.446 χ^2 /NDF: 666225.7/15

Left Out: 1609.966 $\pm$ 0.301 χ^2 /NDF: 834.0/17

Right Out: 1644.733 $\pm$ 0.431 χ^2 /NDF: 136483.1/18

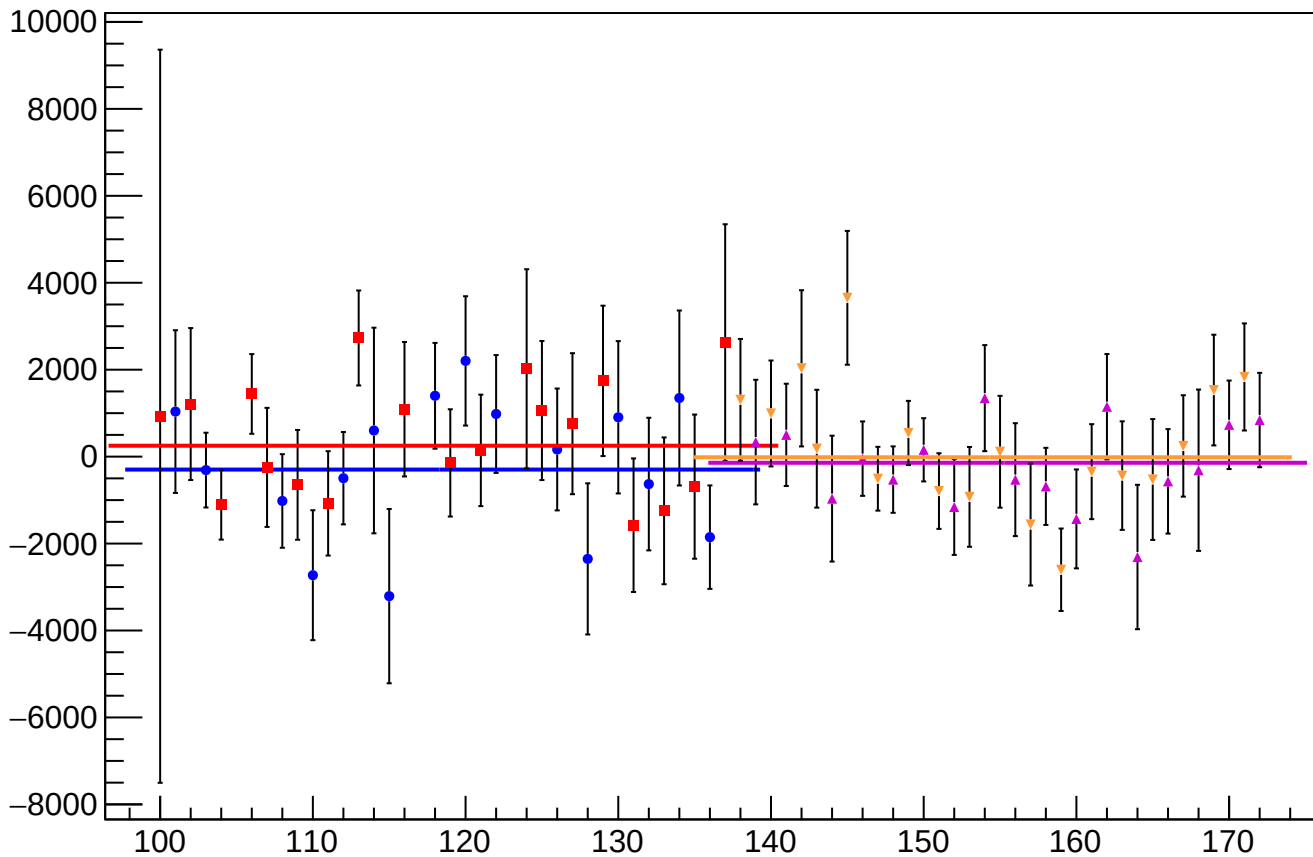
Left In: 1611.569 $\pm$ 0.304 χ^2 /NDF: 2016.9/16

+ sign 1624.633 $\pm$ 0.250 χ^2 /NDF: 674598.9/33

All: 1623.608 $\pm$ 0.176 χ^2 /NDF: 817083.5/69

- sign 1622.593 $\pm$ 0.249 χ^2 /NDF: 142451.0/35

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -297.794 ± 343.391 $\chi^2/\text{NDF}: 15.9/15$

Left Out: -14.446 ± 262.966 $\chi^2/\text{NDF}: 23.8/17$

Right Out: 251.230 ± 315.749 $\chi^2/\text{NDF}: 17.3/18$

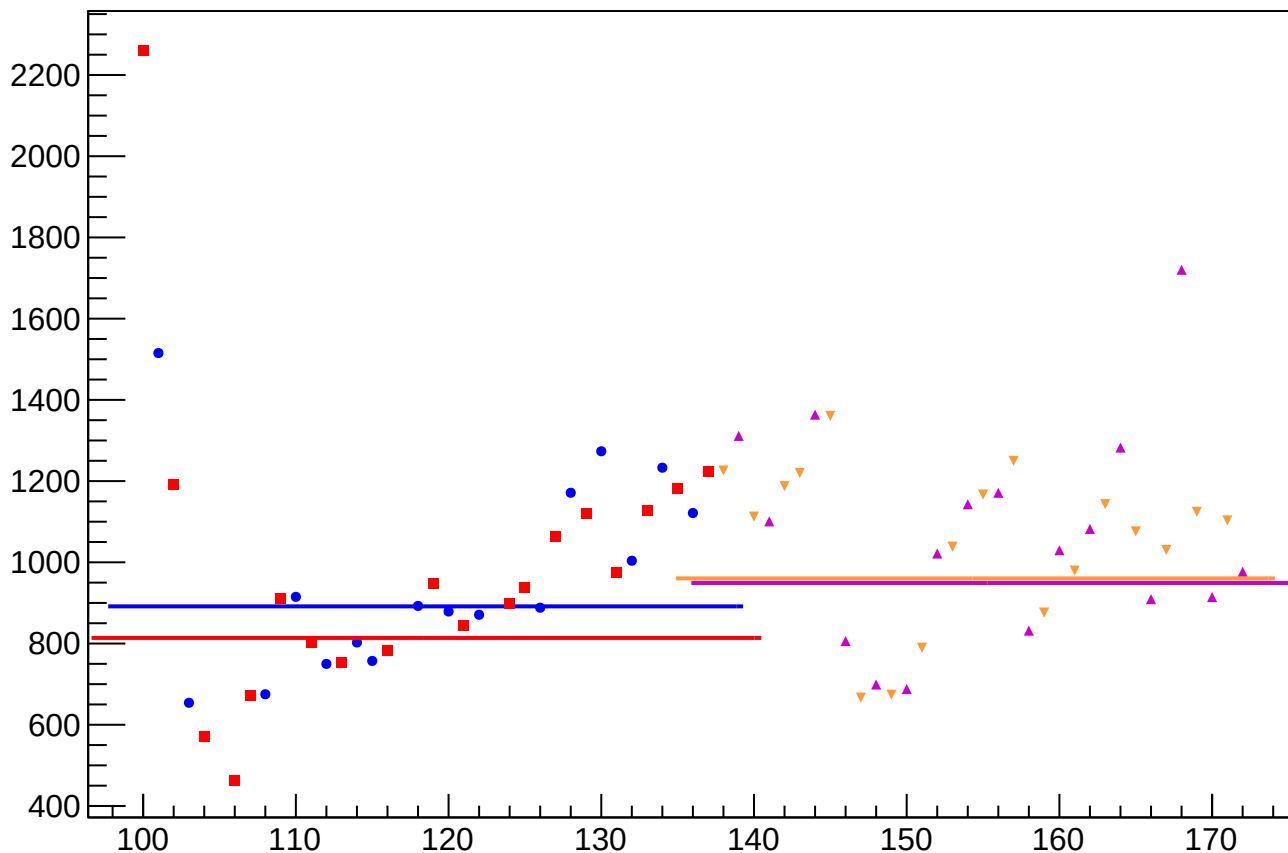
Left In: -141.300 ± 261.476 $\chi^2/\text{NDF}: 9.8/16$

+ sign -119.188 ± 208.780 $\chi^2/\text{NDF}: 40.2/33$

All: -47.925 ± 144.945 $\chi^2/\text{NDF}: 68.4/69$

- sign 18.381 ± 201.387 $\chi^2/\text{NDF}: 28.0/35$

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 891.533 $\pm$ 0.243 χ^2/NDF : 793657.2/15

Left Out: 960.407 $\pm$ 0.186 χ^2/NDF : 1327833.2/17

Right Out: 813.807 $\pm$ 0.223 χ^2/NDF : 1052991.6/18

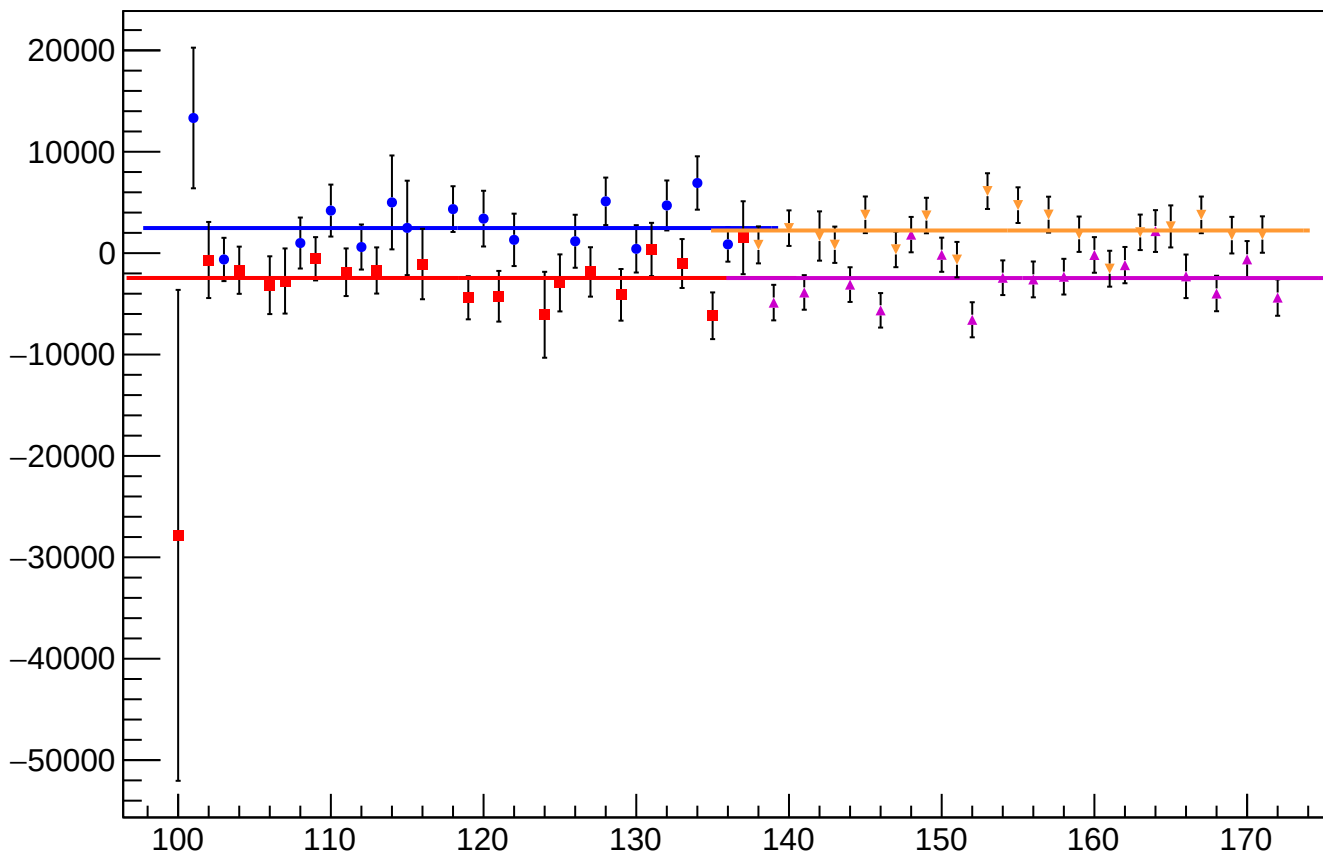
Left In: 949.109 $\pm$ 0.185 χ^2/NDF : 1471617.8/16

+ sign 934.947 $\pm$ 0.148 χ^2/NDF : 2172205.9/33

All: 913.771 $\pm$ 0.102 χ^2/NDF : 4954382.2/69

- sign 894.068 $\pm$ 0.142 χ^2/NDF : 2742457.1/35

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.229 $\pm$ 633.866 χ^2 /NDF: 14.2/15

Left Out: 2234.909 $\pm$ 426.984 χ^2 /NDF:19.7/17

Right Out: -2449.053 $\pm$ 617.532 χ^2 /NDF: 10.6/18

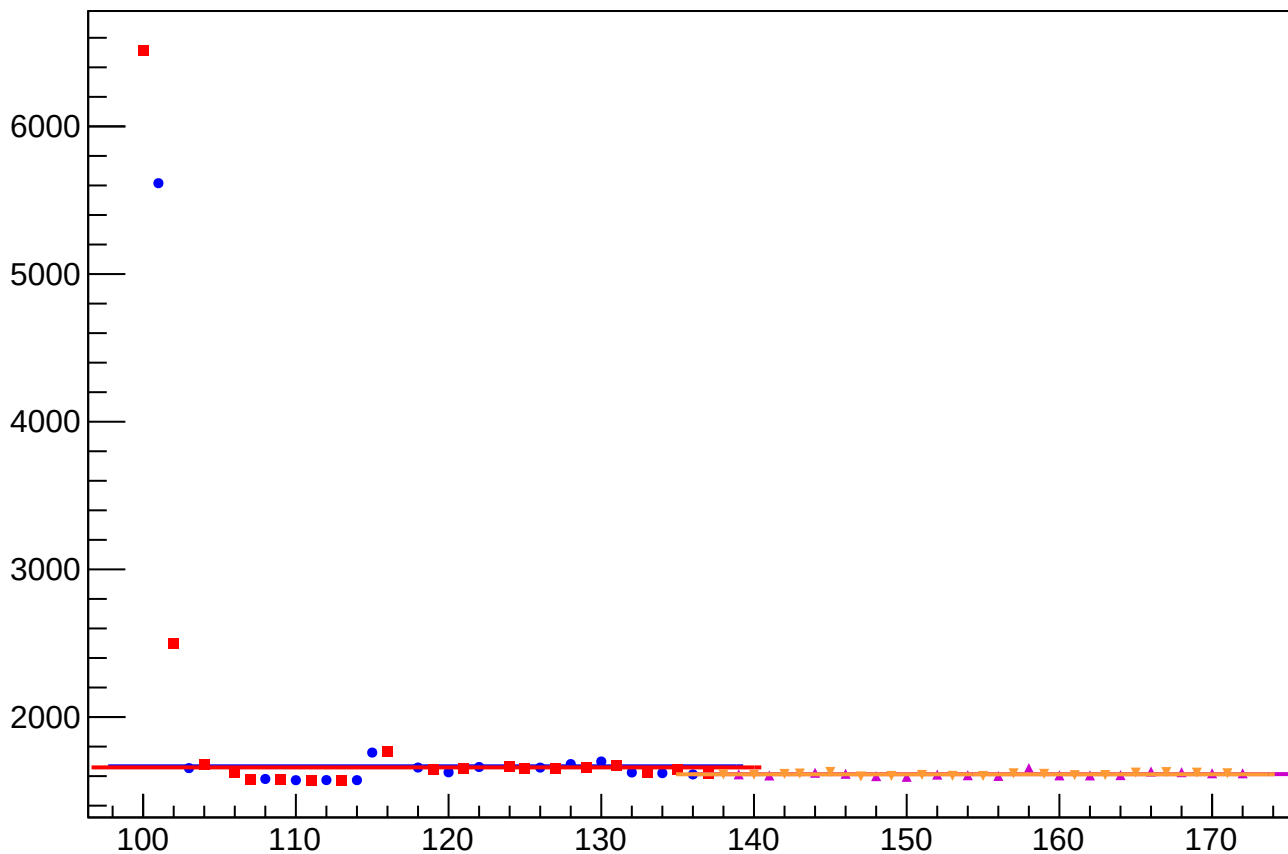
Left In: -2456.767 $\pm$ 430.724 χ^2 /NDF:30.0/16

+ sign 2309.920 $\pm$ 354.132 χ^2 /NDF: 34.0/33

All: -77.906 $\pm$ 250.107 χ^2 /NDF: 165.3/69

- sign -2454.243 $\pm$ 353.279 χ^2 /NDF: 40.6/35

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400 $\pm$ 0.448 χ^2 /NDF: 662914.5/15

Left Out: 1612.379 $\pm$ 0.302 χ^2 /NDF: 944.2/17

Right Out: 1659.005 $\pm$ 0.437 χ^2 /NDF: 193223.7/18

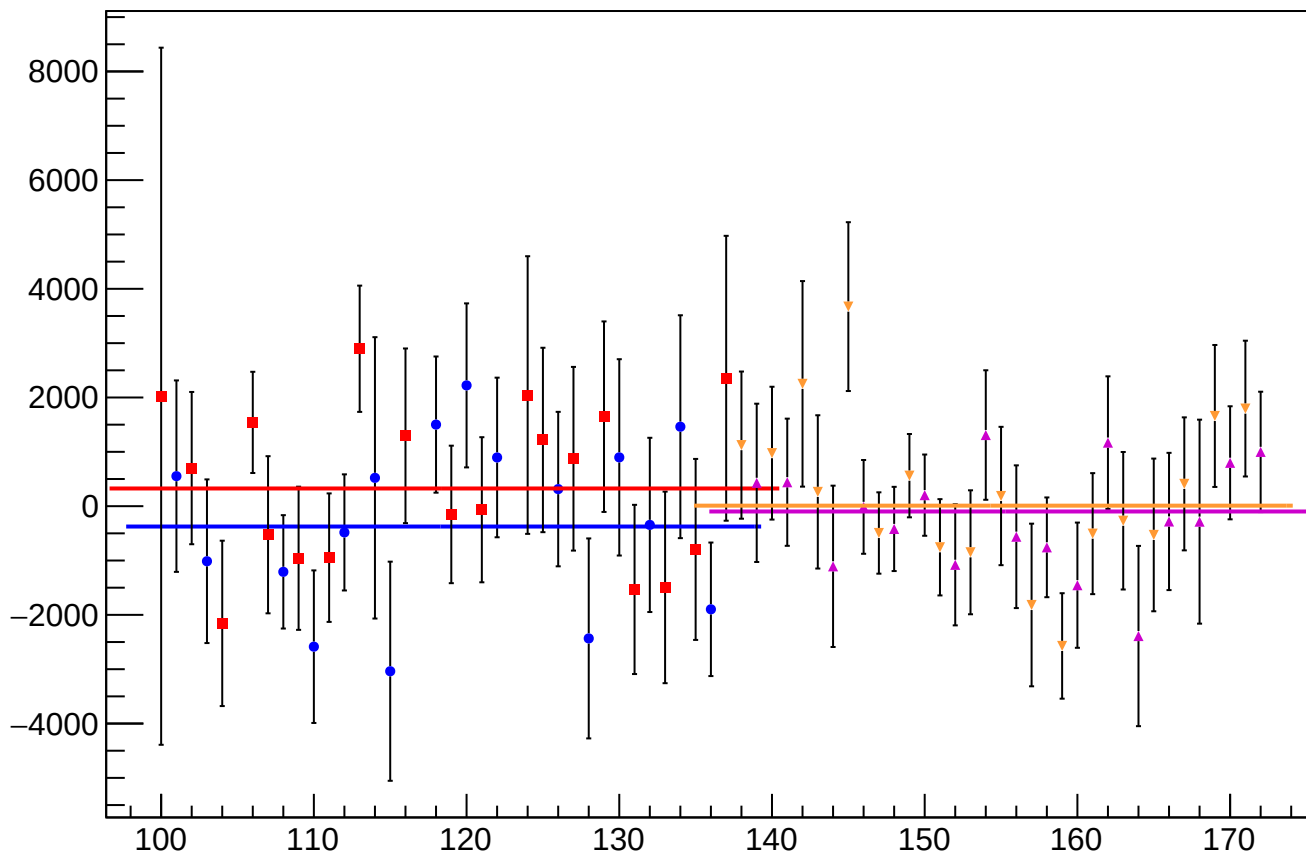
Left In: 1613.590 $\pm$ 0.305 χ^2 /NDF: 2084.3/16

+ sign 1629.240 $\pm$ 0.250 χ^2 /NDF: 673851.1/33

All: 1628.846 $\pm$ 0.177 χ^2 /NDF: 876440.8/69

- sign 1628.453 $\pm$ 0.250 χ^2 /NDF: 202584.7/35

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

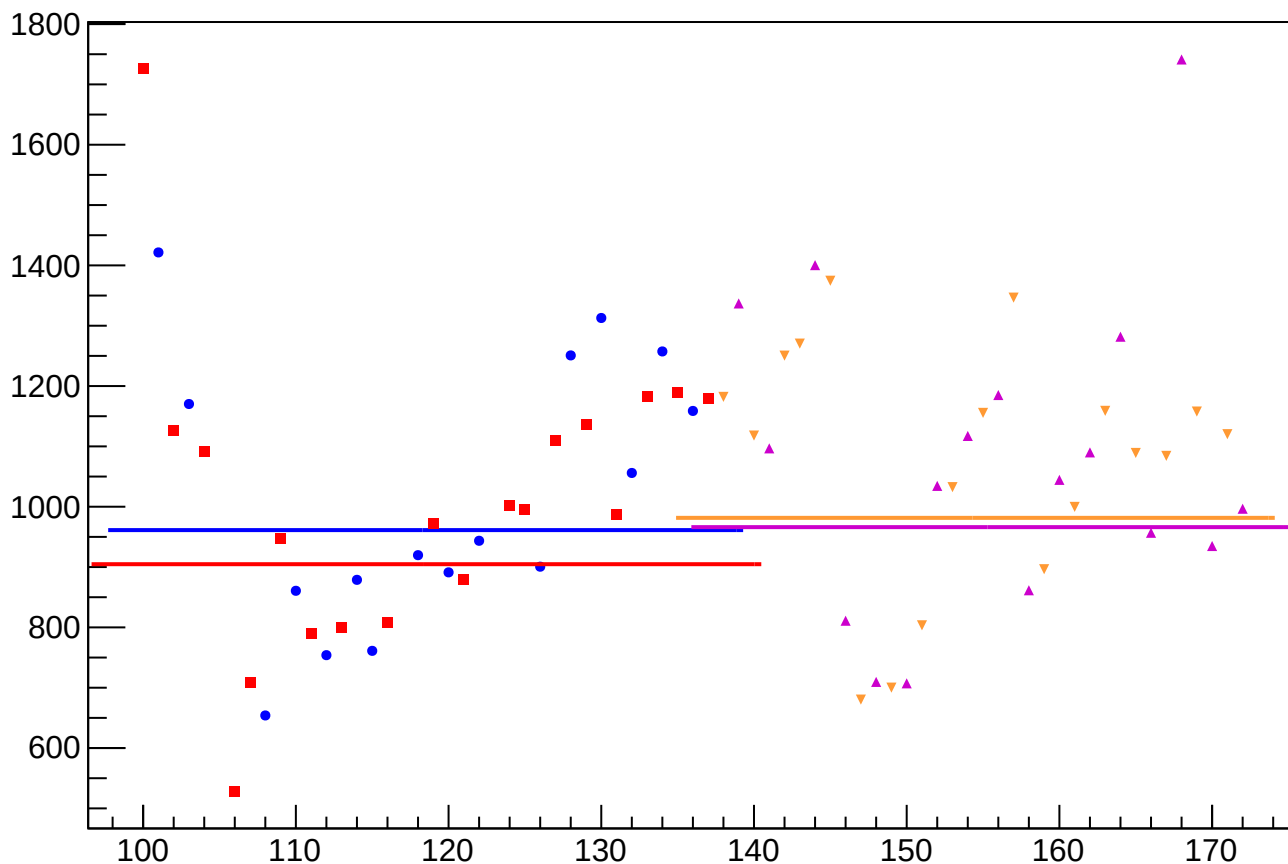
Left In: -97.713 ± 265.666 χ^2/NDF : 10.1/16

+ sign -123.686 ± 216.752 χ^2/NDF : 39.8/33

All: -27.457 ± 150.631 χ^2/NDF : 68.6/69

- sign 62.425 ± 209.483 χ^2/NDF : 28.4/35

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 961.243 $\pm$ 0.260 χ^2 /NDF: 691875.4/15

Left Out: 981.560 $\pm$ 0.190 χ^2 /NDF: 1297717.4/17

Right Out: 904.736 $\pm$ 0.241 χ^2 /NDF: 736484.7/18

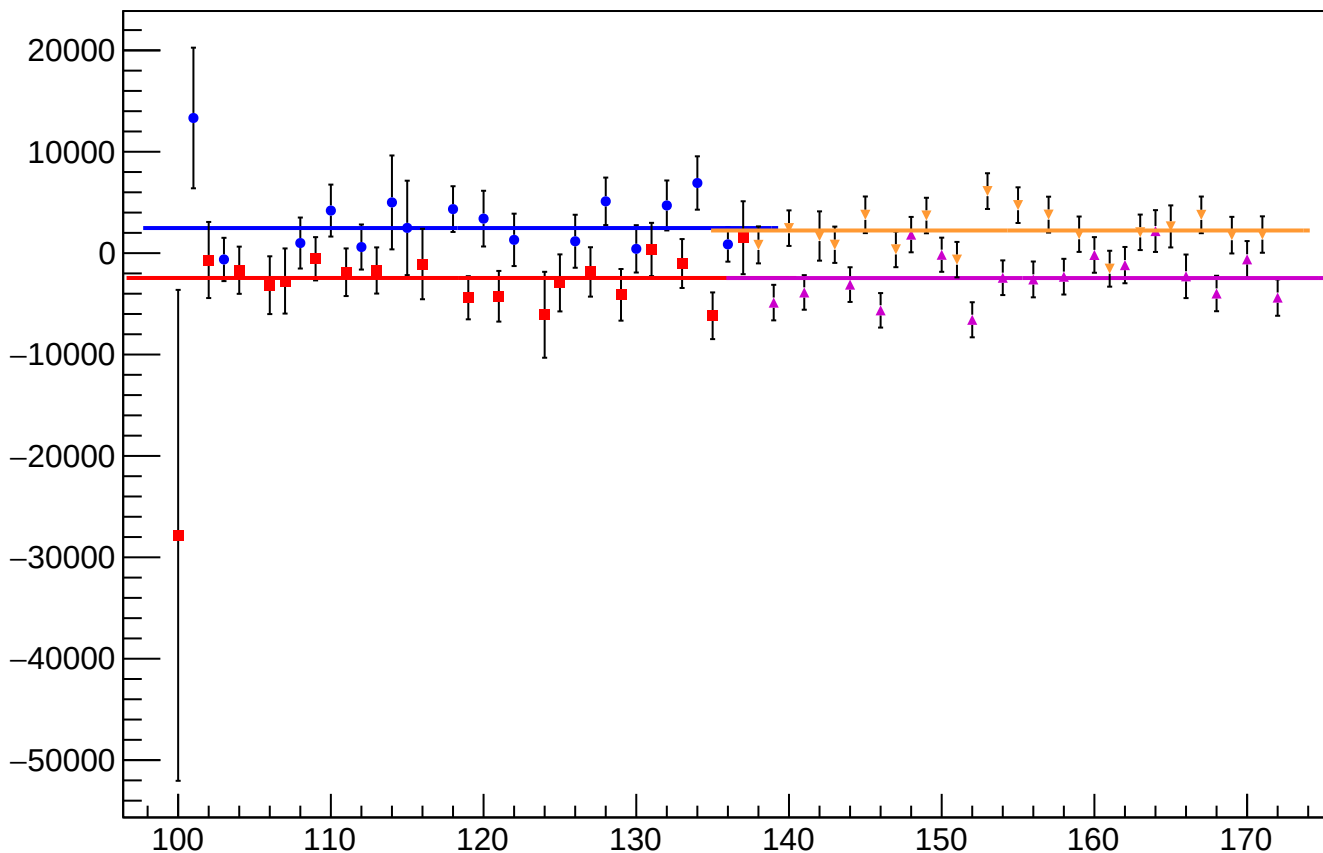
Left In: 966.162 $\pm$ 0.188 χ^2 /NDF: 1417420.3/16

+ sign 974.509 $\pm$ 0.153 χ^2 /NDF: 1993574.8/33

All: 958.181 $\pm$ 0.107 χ^2 /NDF: 4209872.6/69

- sign 942.929 $\pm$ 0.148 χ^2 /NDF: 2194345.9/35

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2475.228 $\pm$ 633.866 χ^2 /NDF: 14.2/15

Left Out: 2234.909 $\pm$ 426.984 χ^2 /NDF:19.7/17

Right Out: -2449.053 $\pm$ 617.532 χ^2 /NDF: 10.6/18

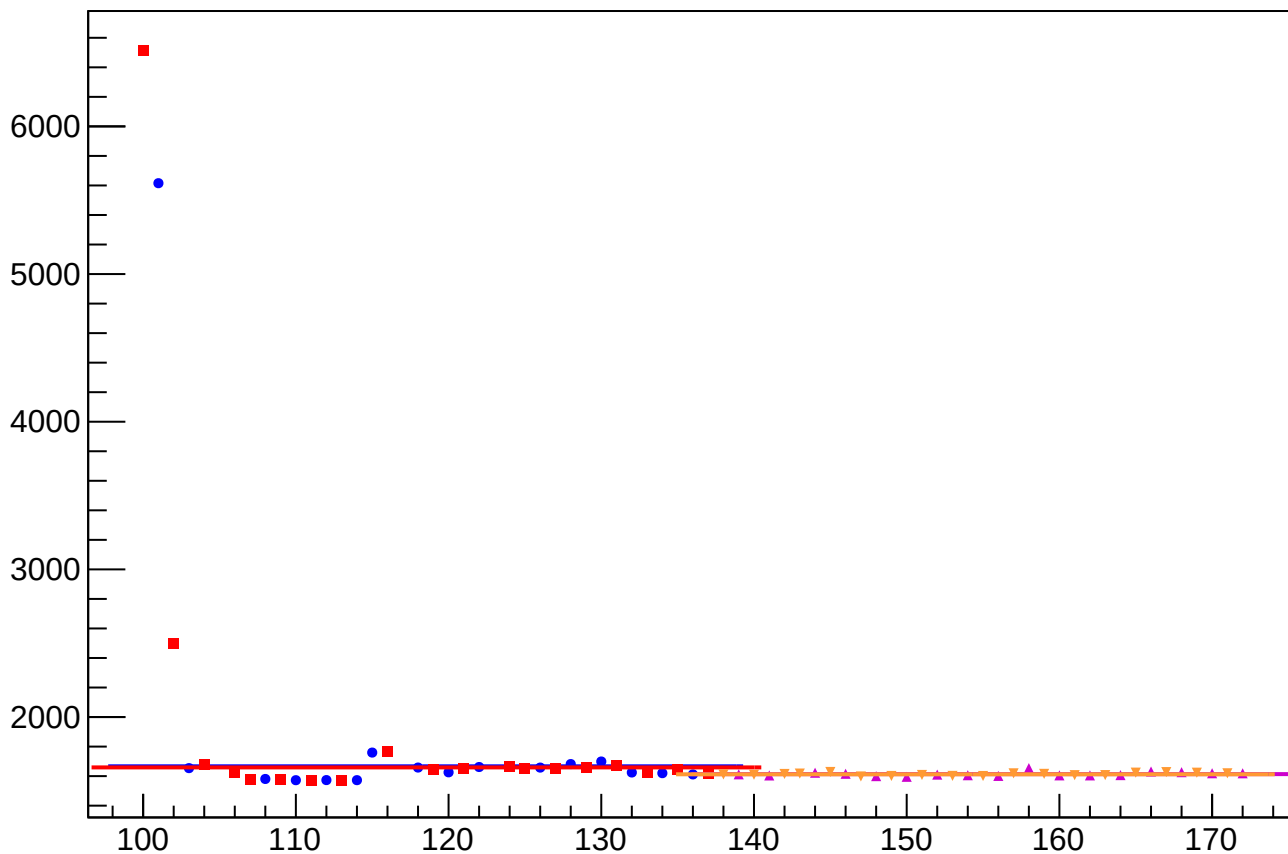
Left In: -2456.767 $\pm$ 430.724 χ^2 /NDF:30.0/16

+ sign 2309.920 $\pm$ 354.132 χ^2 /NDF: 34.0/33

All: -77.906 $\pm$ 250.107 χ^2 /NDF: 165.3/69

- sign -2454.243 $\pm$ 353.279 χ^2 /NDF: 40.6/35

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1666.400 $\pm$ 0.448 χ^2 /NDF: 662914.5/15

Left Out: 1612.379 $\pm$ 0.302 χ^2 /NDF: 944.2/17

Right Out: 1659.004 $\pm$ 0.437 χ^2 /NDF: 193223.5/18

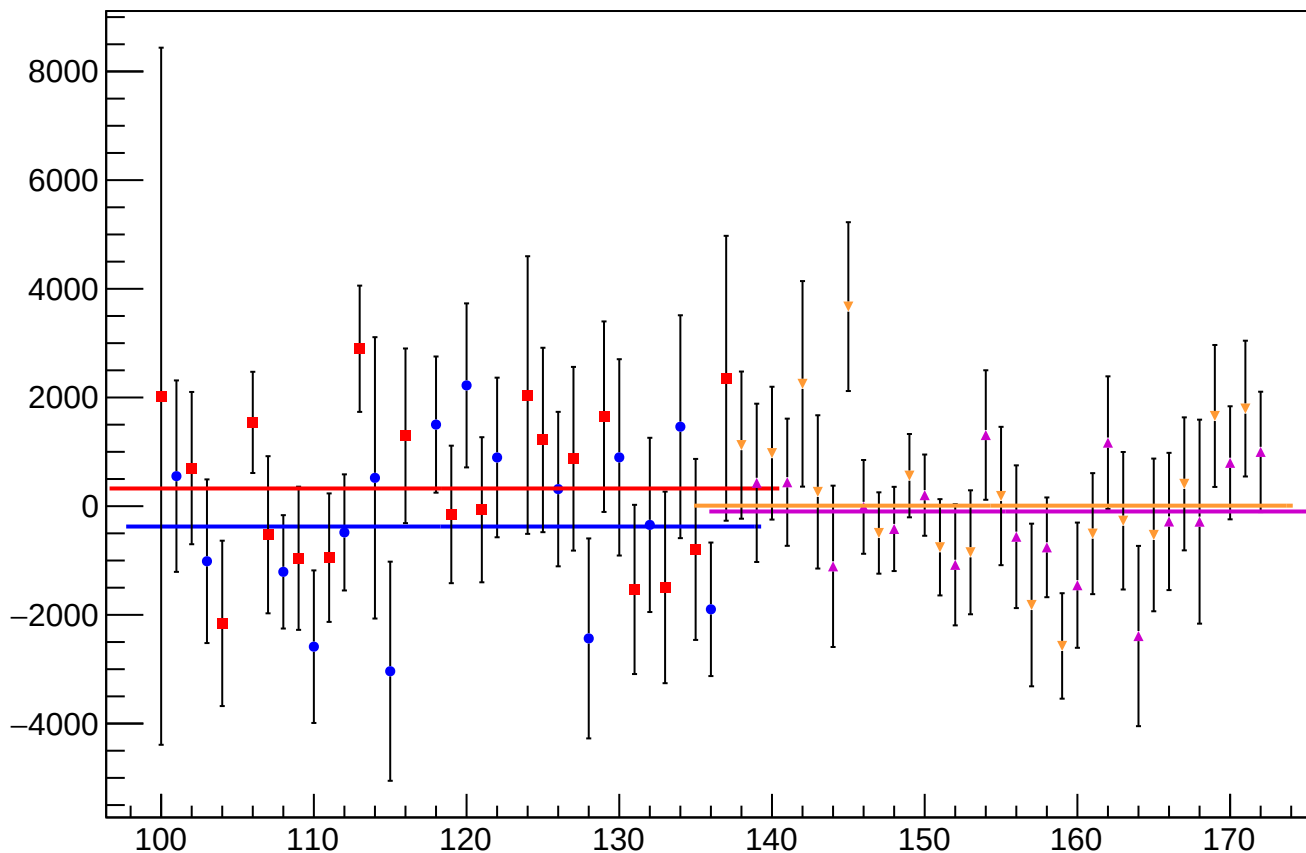
Left In: 1613.590 $\pm$ 0.305 χ^2 /NDF: 2084.3/16

+ sign 1629.240 $\pm$ 0.250 χ^2 /NDF: 673851.1/33

All: 1628.846 $\pm$ 0.177 χ^2 /NDF: 876440.5/69

- sign 1628.453 $\pm$ 0.250 χ^2 /NDF: 202584.5/35

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



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

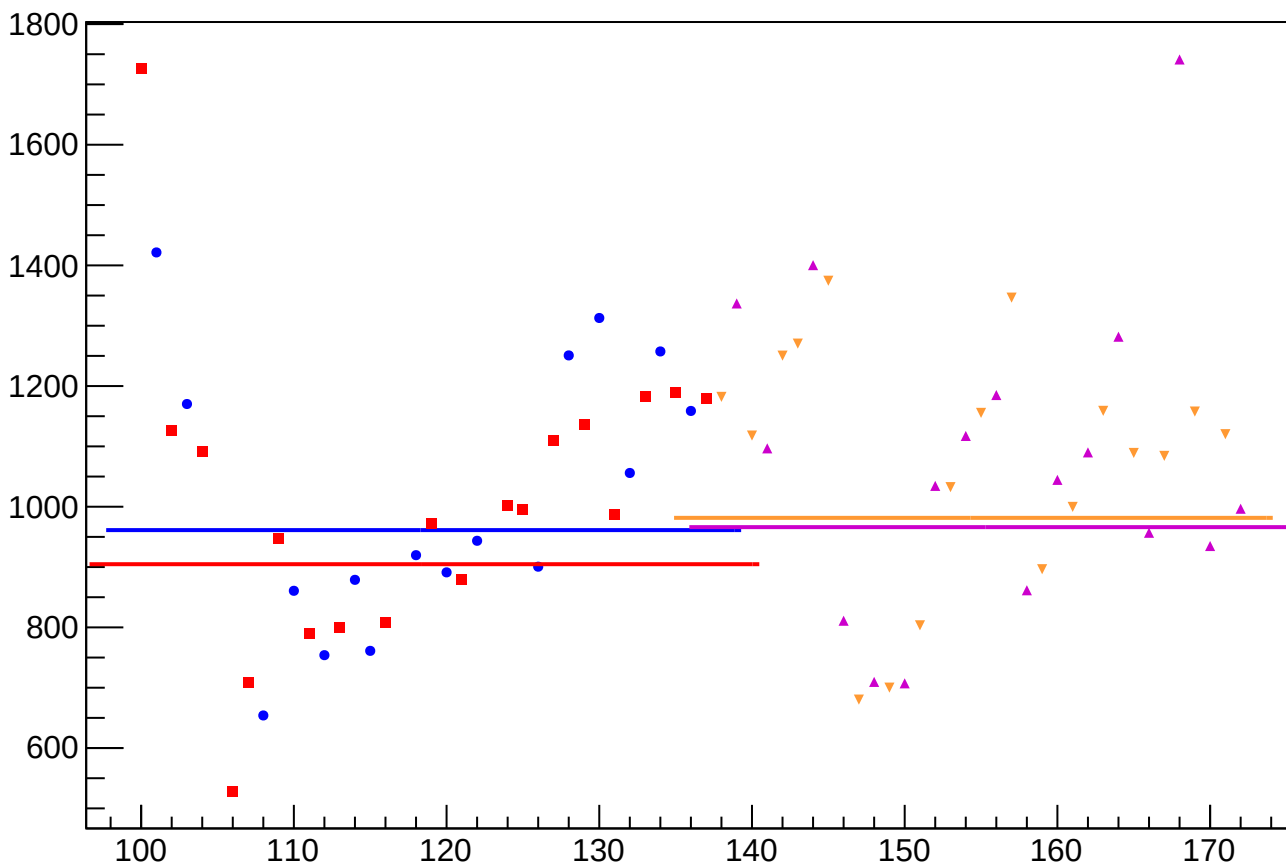
Left In: -97.713 ± 265.666 χ^2/NDF : 10.1/16

+ sign -123.687 ± 216.752 χ^2/NDF : 39.8/33

All: -27.458 ± 150.631 χ^2/NDF : 68.6/69

- sign 62.425 ± 209.483 χ^2/NDF : 28.4/35

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 961.239 $\pm$ 0.260 χ^2 /NDF: 691883.4/15

Left Out: 981.562 $\pm$ 0.190 χ^2 /NDF: 1297720.9/17

Right Out: 904.734 $\pm$ 0.241 χ^2 /NDF: 736482.2/18

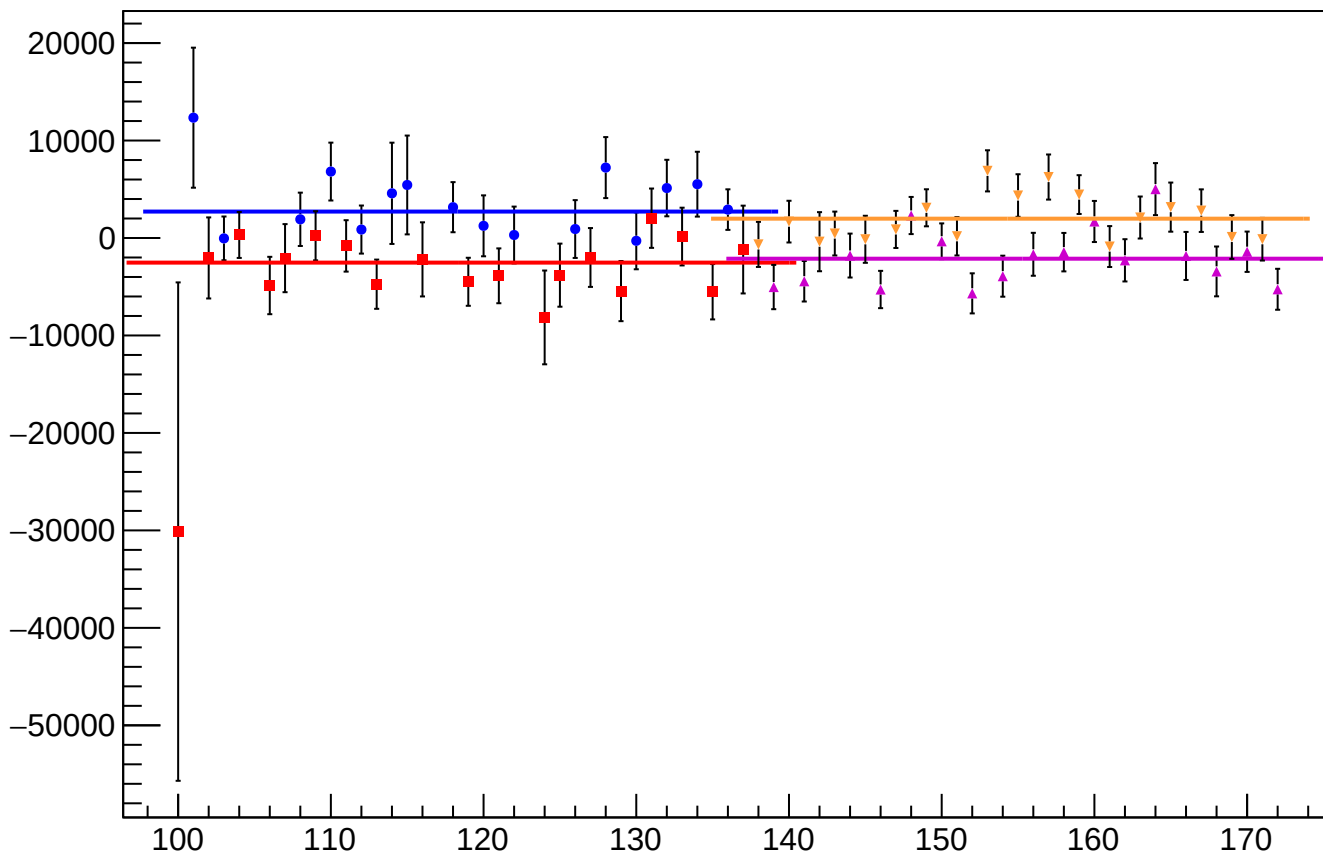
Left In: 966.164 $\pm$ 0.188 χ^2 /NDF: 1417423.7/16

+ sign 974.509 $\pm$ 0.153 χ^2 /NDF: 1993588.6/33

All: 958.181 $\pm$ 0.107 χ^2 /NDF: 4209893.0/69

- sign 942.929 $\pm$ 0.148 χ^2 /NDF: 2194352.8/35

asym_usr_atr1_avg_mean vs Slug



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

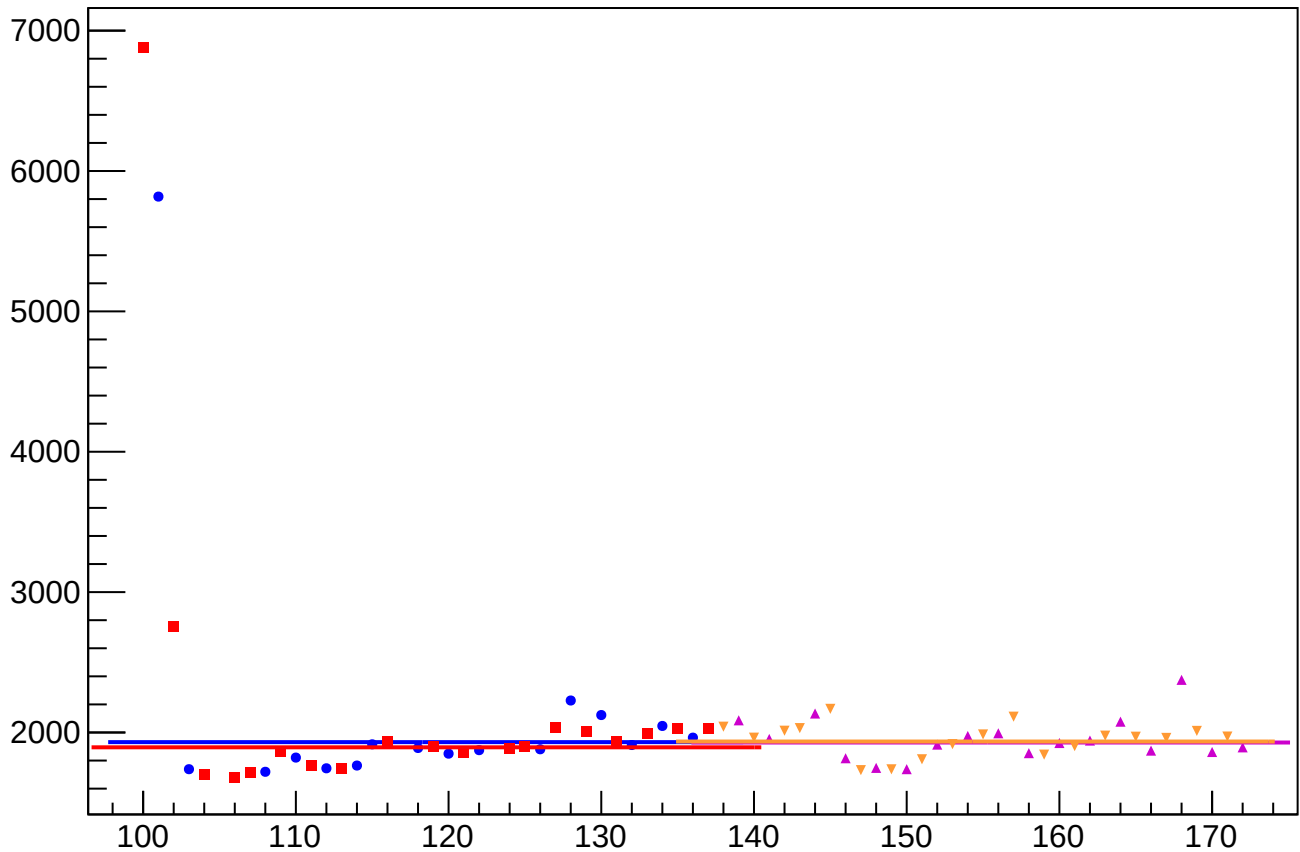
Left In: -2124.375+/-516.439 χ^2/NDF : 28.9/16

+ sign 2222.397+/-421.256 χ^2/NDF : 32.9/33

All: -44.081+/-296.327 χ^2/NDF : 132.5/69

- sign -2264.094+/-416.916 χ^2/NDF : 42.4/35

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

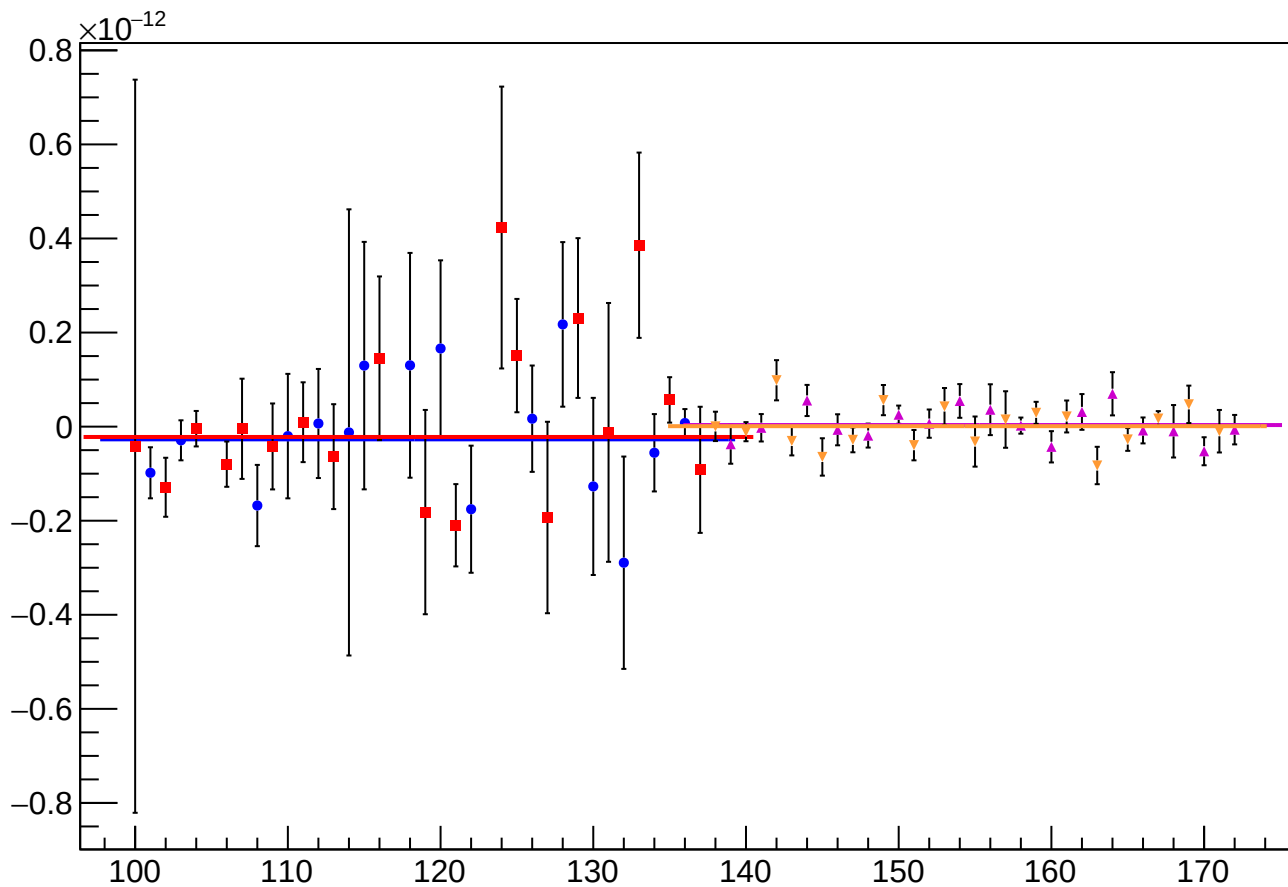
Left In: 1928.597+/-0.365 χ^2/NDF : 149910.5/16

+ sign 1934.170+/-0.298 χ^2/NDF : 764198.6/33

All: 1925.329+/-0.210 χ^2/NDF : 1139457.6/69

- sign 1916.669+/-0.295 χ^2/NDF : 373515.0/35

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

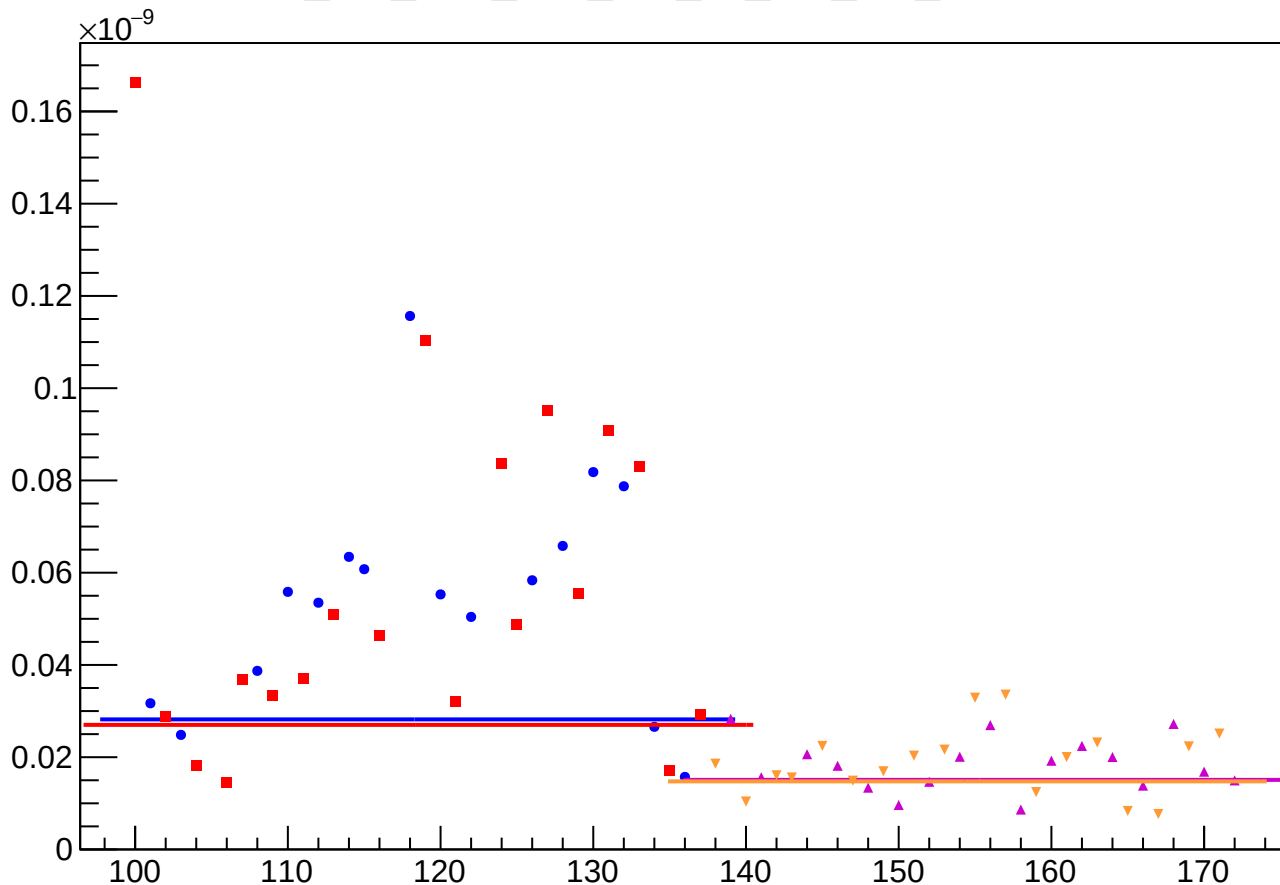
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 41.4/33

All: -0.000 ± 0.000 χ^2/NDF : 84.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 43.4/35

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



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

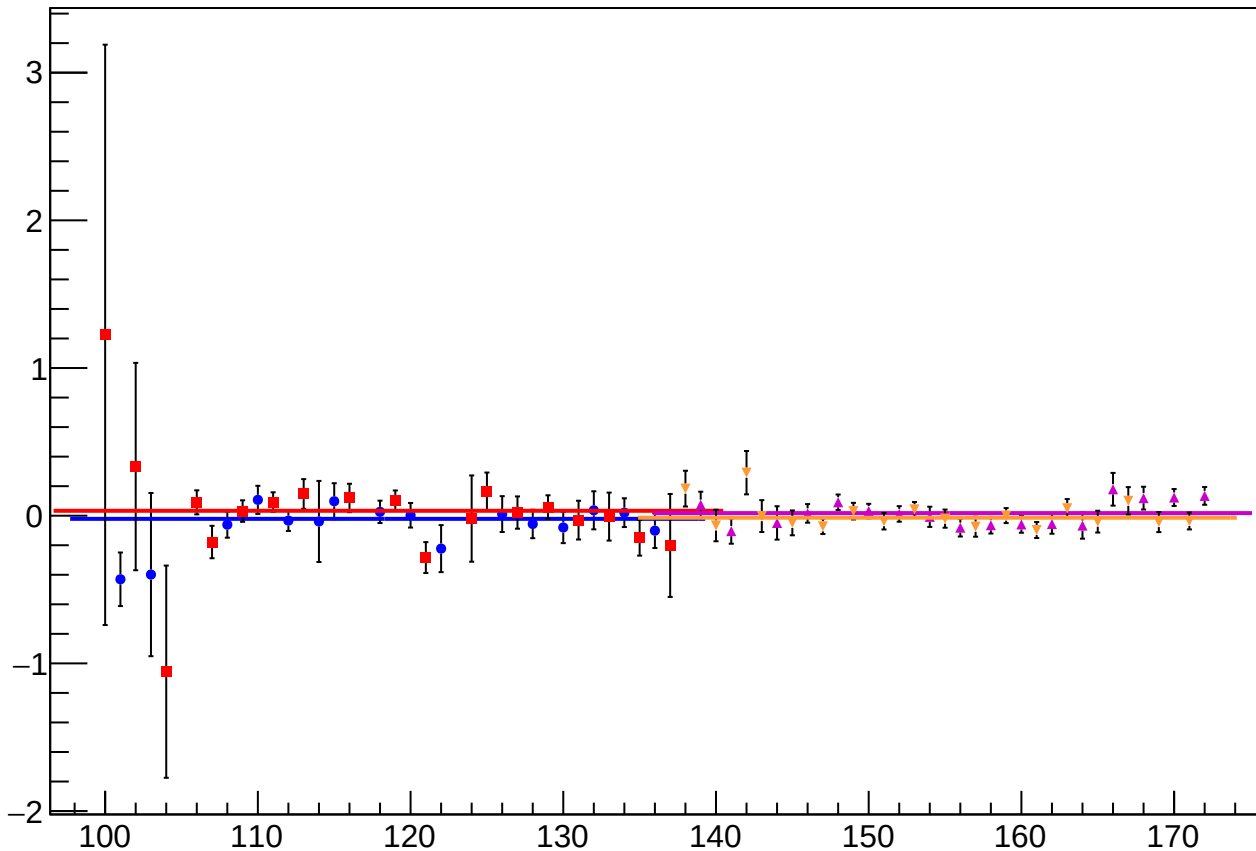
Left In: 0.000+/-0.000 χ^2/NDF : 1098533.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 3990963.4/33

All: 0.000+/-0.000 χ^2/NDF : 7312575.5/69

- sign 0.000+/-0.000 χ^2/NDF : 3320779.5/35

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

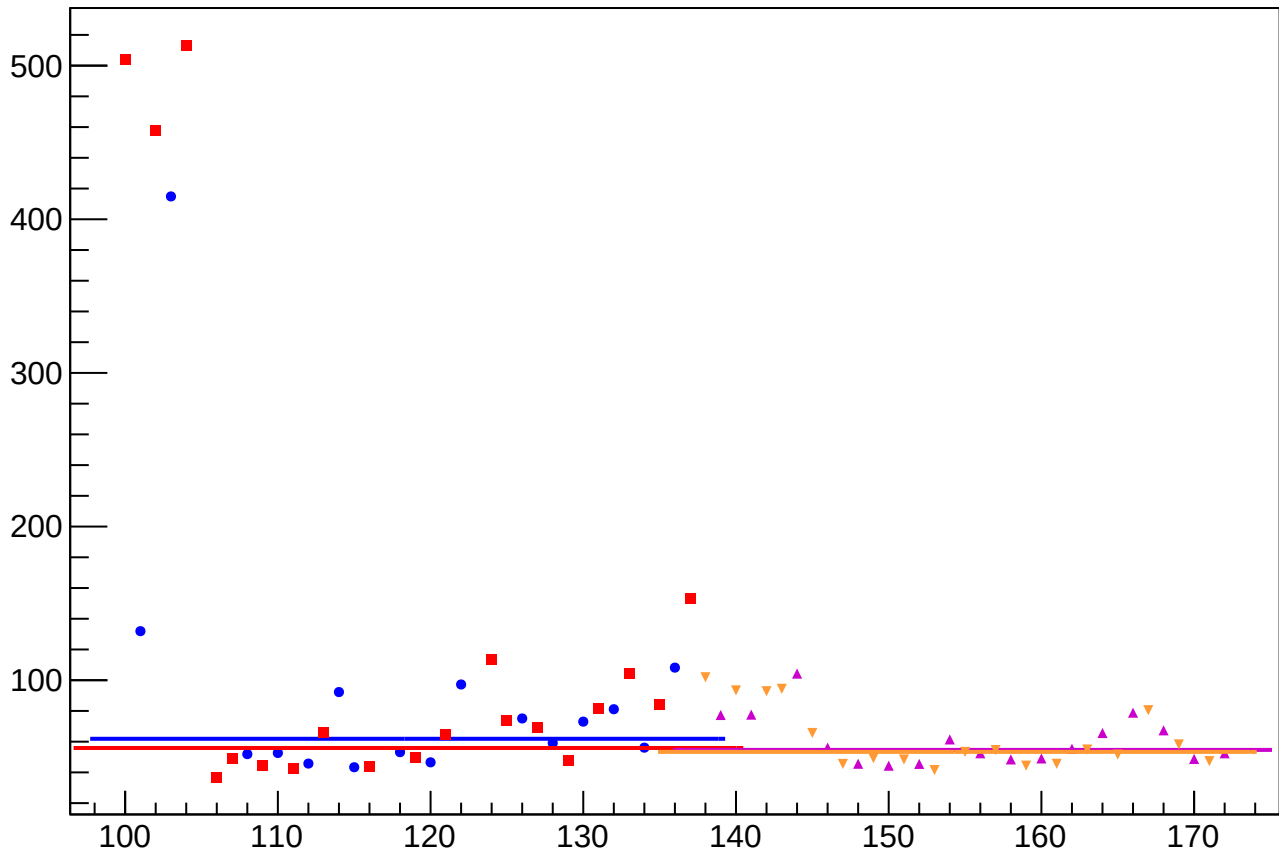
Left In: 0.018 ± 0.016 χ^2/NDF : 24.8/16

+ sign -0.016 ± 0.013 χ^2/NDF : 29.1/33

All: 0.004 ± 0.009 χ^2/NDF : 82.5/69

- sign 0.022 ± 0.013 χ^2/NDF : 49.5/35

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.876 $\pm$ 0.019 χ^2 /NDF: 1937953.9/15

Left Out: 53.356 $\pm$ 0.011 χ^2 /NDF: 1570065.6/17

Right Out: 55.887 $\pm$ 0.017 χ^2 /NDF: 2591275.8/18

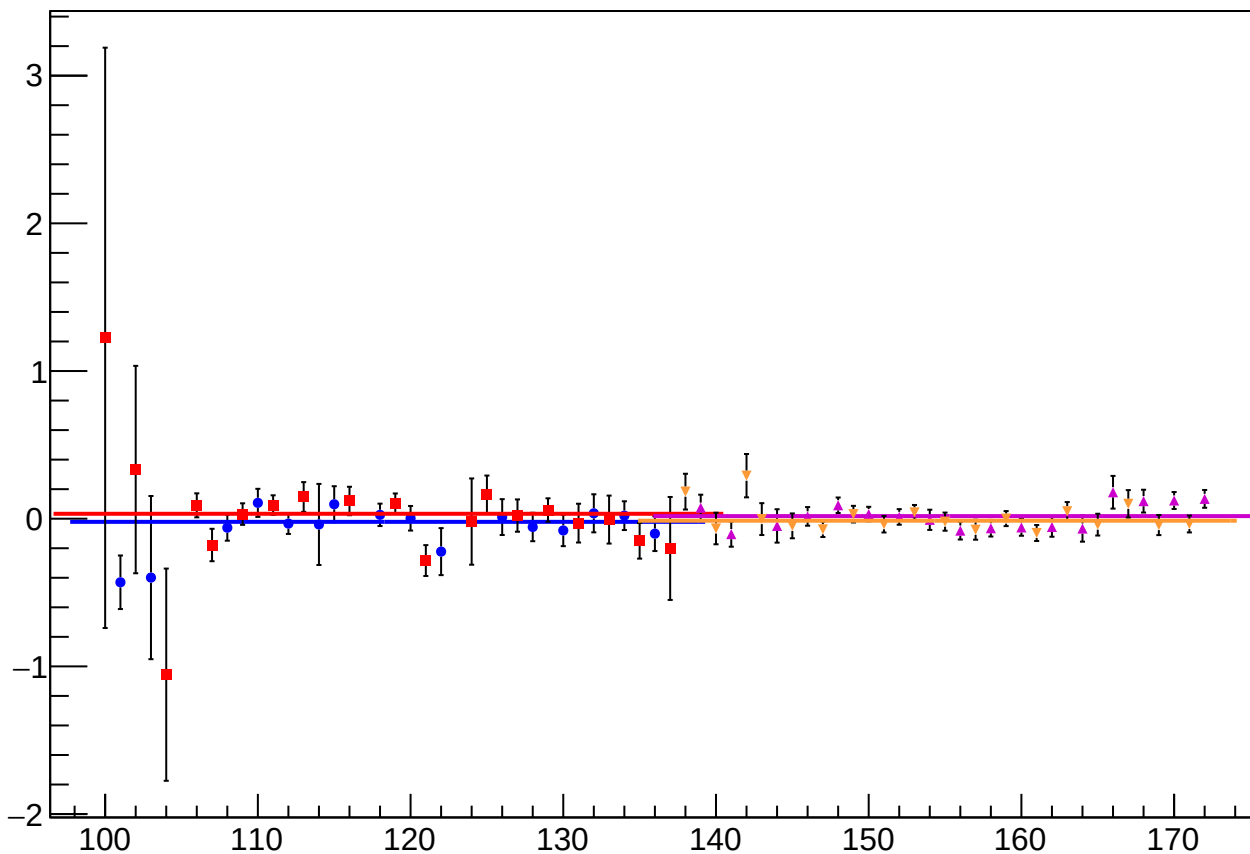
Left In: 54.639 $\pm$ 0.011 χ^2 /NDF: 1142435.4/16

+ sign 55.539 $\pm$ 0.010 χ^2 /NDF: 3661148.1/33

All: 55.267 $\pm$ 0.007 χ^2 /NDF: 7400129.0/69

- sign 55.002 $\pm$ 0.009 χ^2 /NDF: 3737365.6/35

asym_usr_atr1_avg_dit_vs_eigen_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

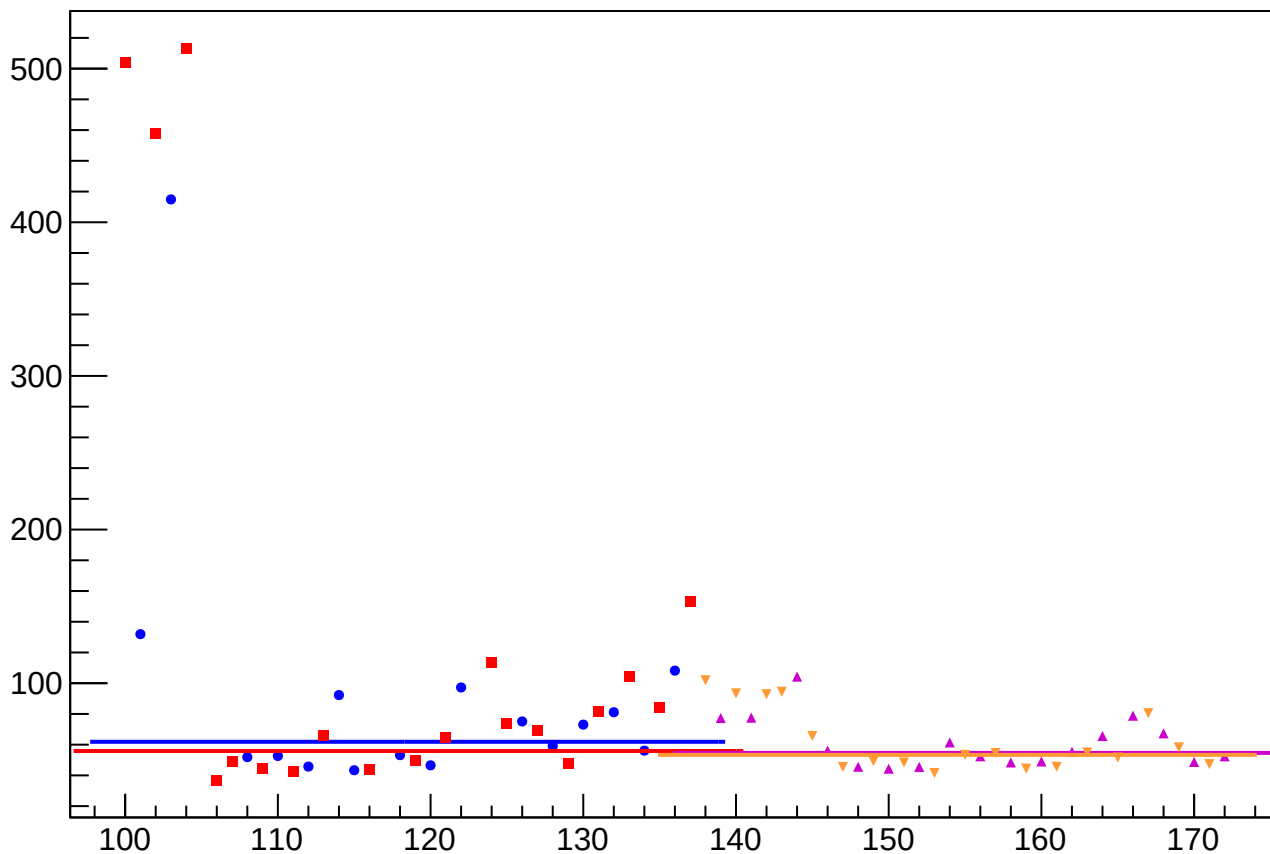
Left In: 0.018 ± 0.016 χ^2/NDF : 24.8/16

+ sign -0.016 ± 0.013 χ^2/NDF : 29.1/33

All: 0.004 ± 0.009 χ^2/NDF : 82.5/69

- sign 0.022 ± 0.013 χ^2/NDF : 49.5/35

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

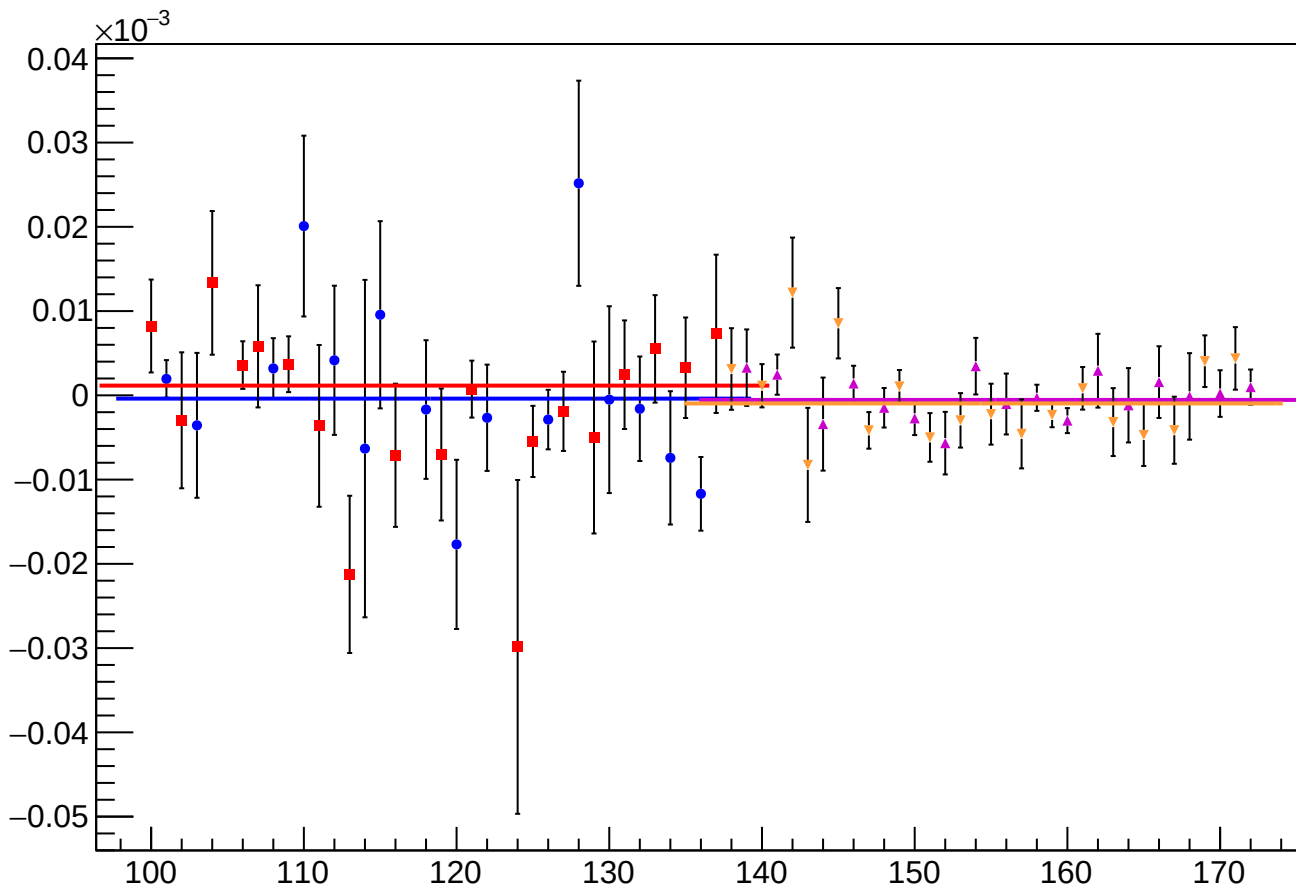
Left In: 54.639+/-0.011 χ^2/NDF : 1142435.4/16

+ sign 55.539+/-0.010 χ^2/NDF : 3661148.1/33

All: 55.267+/-0.007 χ^2/NDF : 7400129.0/69

- sign 55.002+/-0.009 χ^2/NDF : 3737365.6/35

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

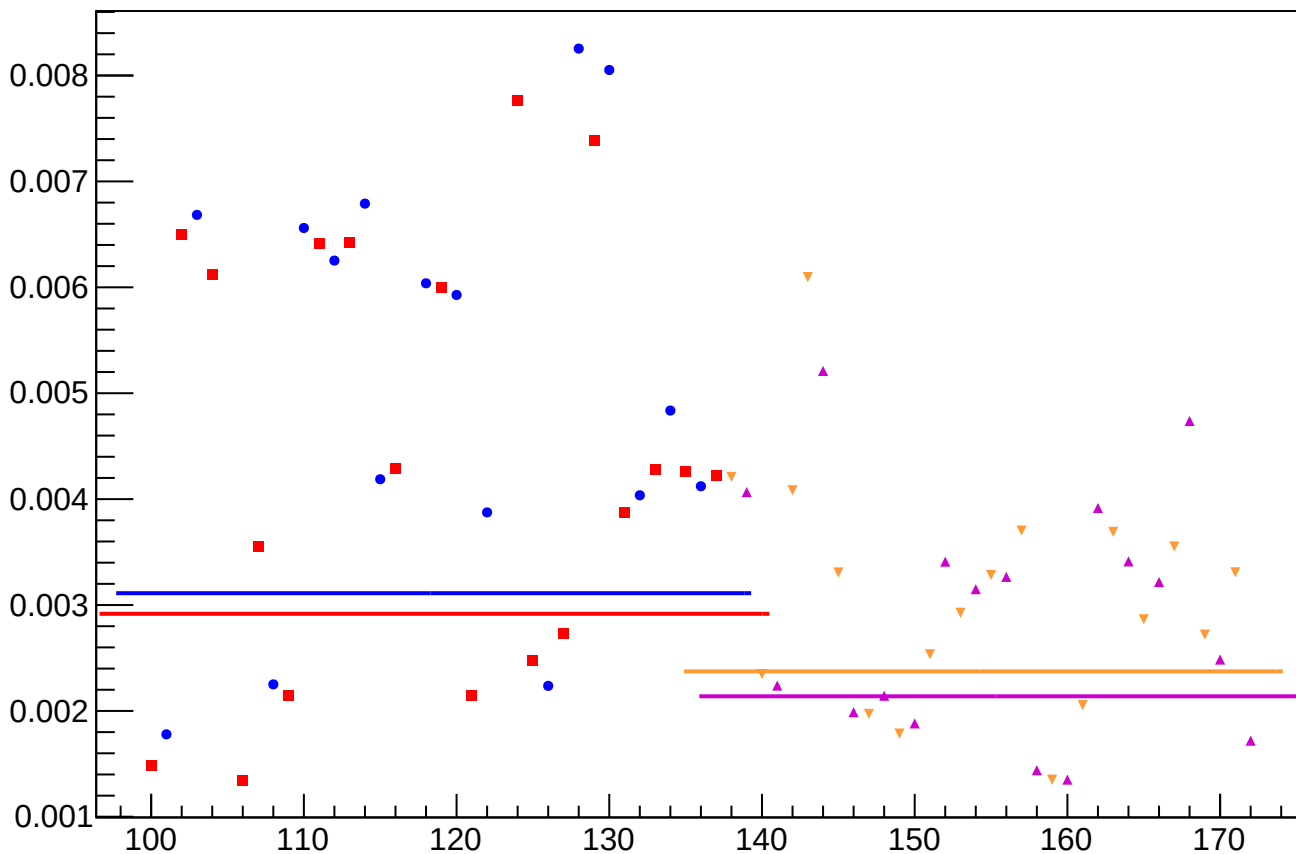
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 49.1/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 84.0/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 34.3/35

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF : 3369037.6/17

Right Out: 0.003+/-0.000 χ^2/NDF : 3295506.1/18

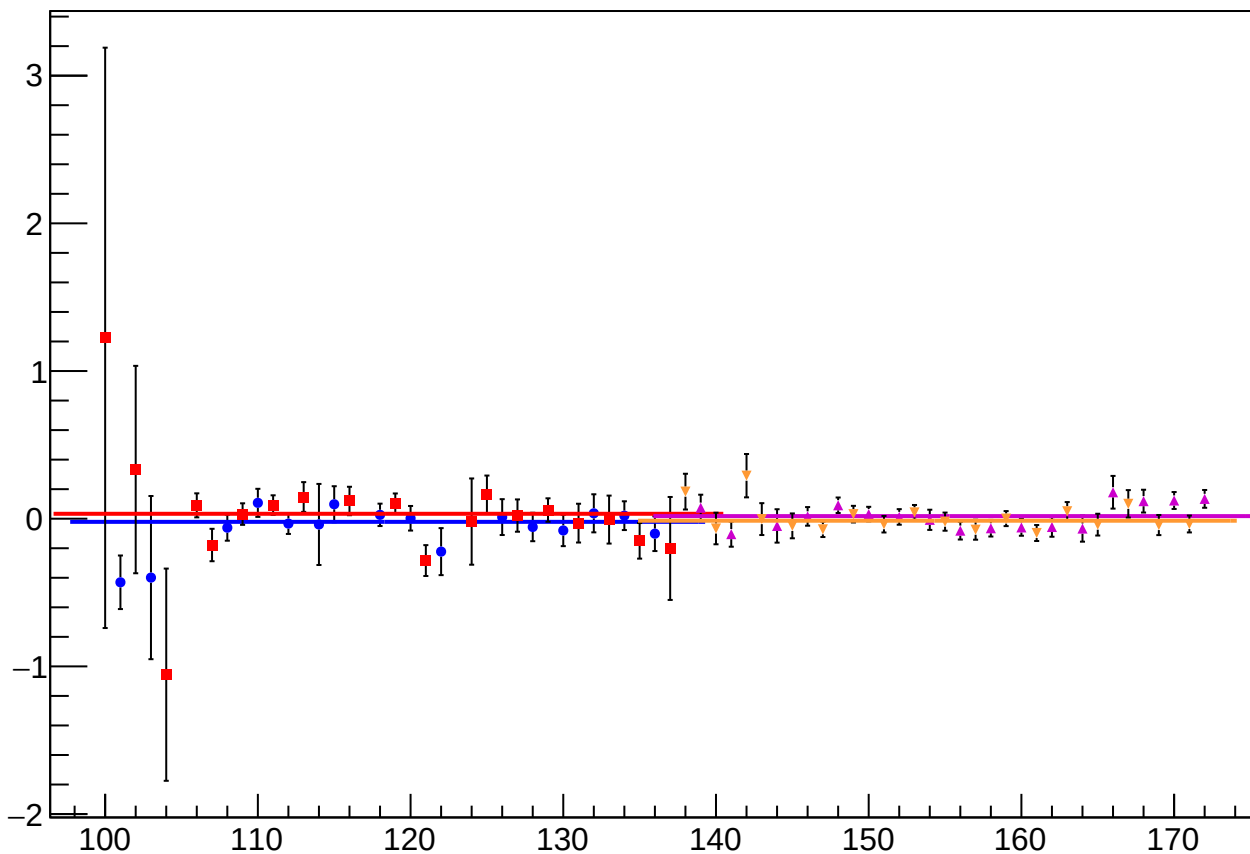
Left In: 0.002+/-0.000 χ^2/NDF : 3854509.0/16

+ sign 0.003+/-0.000 χ^2/NDF : 7138834.9/33

All: 0.002+/-0.000 χ^2/NDF : 15072269.0/69

- sign 0.002+/-0.000 χ^2/NDF : 7770194.8/35

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

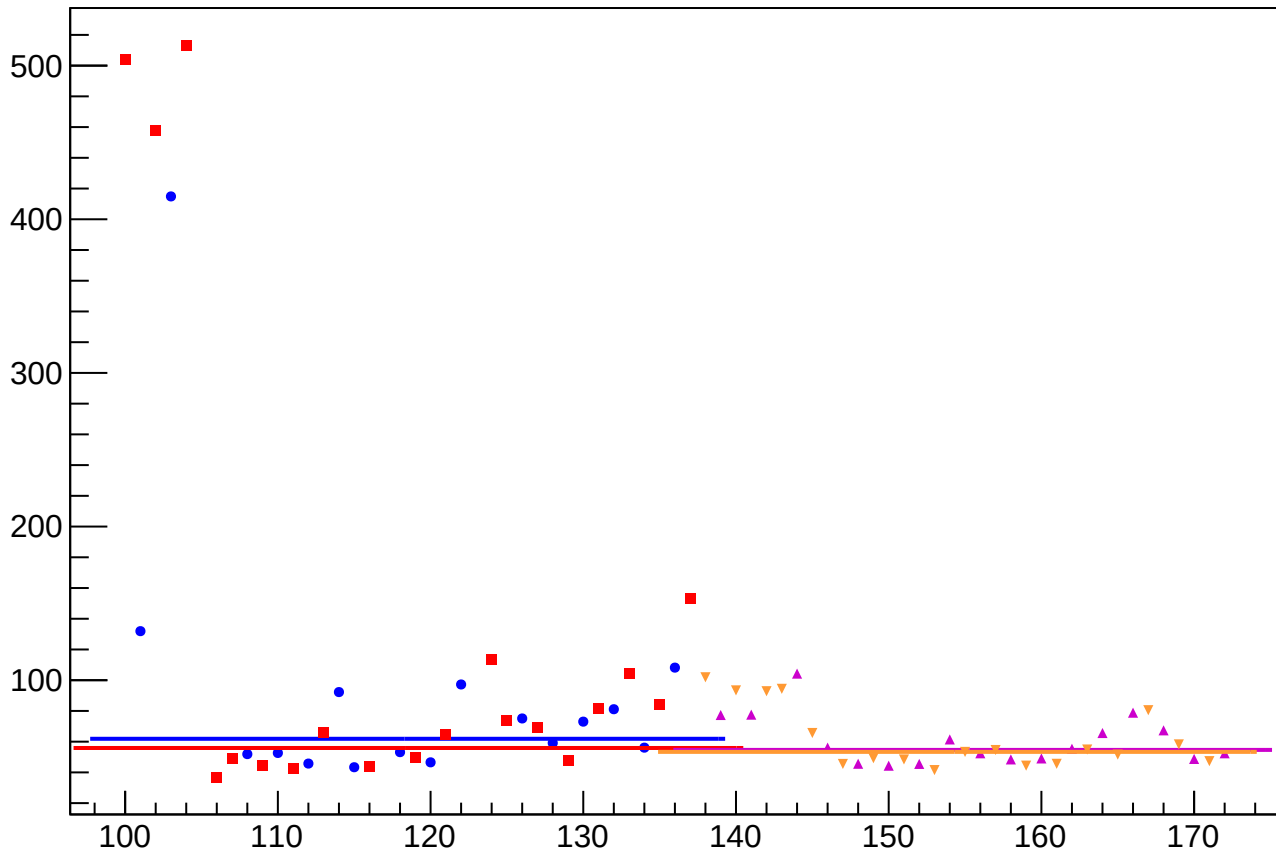
Left In: 0.018 ± 0.016 χ^2/NDF : 24.8/16

+ sign -0.016 ± 0.013 χ^2/NDF : 29.1/33

All: 0.004 ± 0.009 χ^2/NDF : 82.5/69

- sign 0.022 ± 0.013 χ^2/NDF : 49.5/35

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.875 $\pm$ 0.019 χ^2 /NDF: 1937904.4/15

Left Out: 53.356 $\pm$ 0.011 χ^2 /NDF: 1570107.0/17

Right Out: 55.886 $\pm$ 0.017 χ^2 /NDF: 2591233.7/18

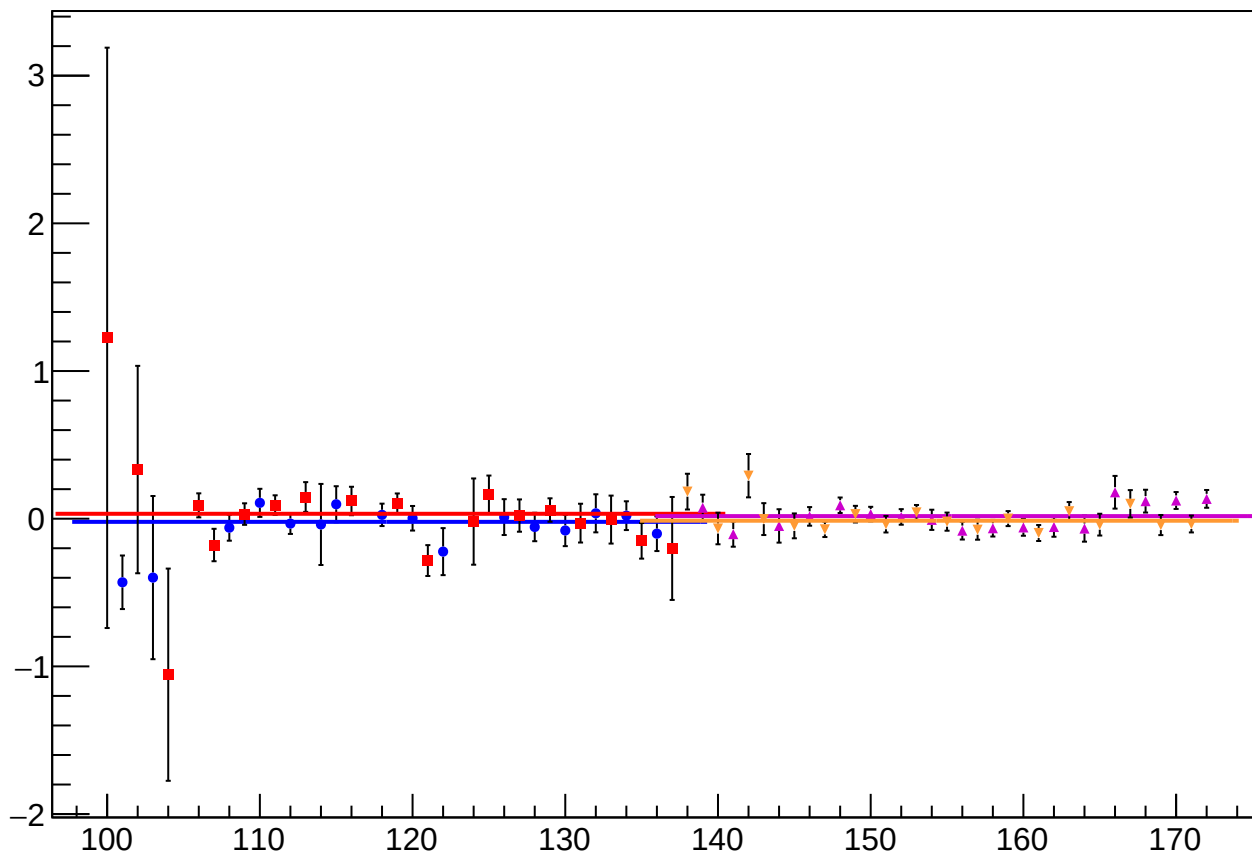
Left In: 54.640 $\pm$ 0.011 χ^2 /NDF: 1142427.3/16

+ sign 55.538 $\pm$ 0.010 χ^2 /NDF: 3661117.9/33

All: 55.266 $\pm$ 0.007 χ^2 /NDF: 7400042.6/69

- sign 55.002 $\pm$ 0.009 χ^2 /NDF: 3737309.6/35

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.027 χ^2/NDF : 12.0/15

Left Out: -0.014 ± 0.016 χ^2/NDF : 17.0/17

Right Out: 0.033 ± 0.025 χ^2/NDF : 24.4/18

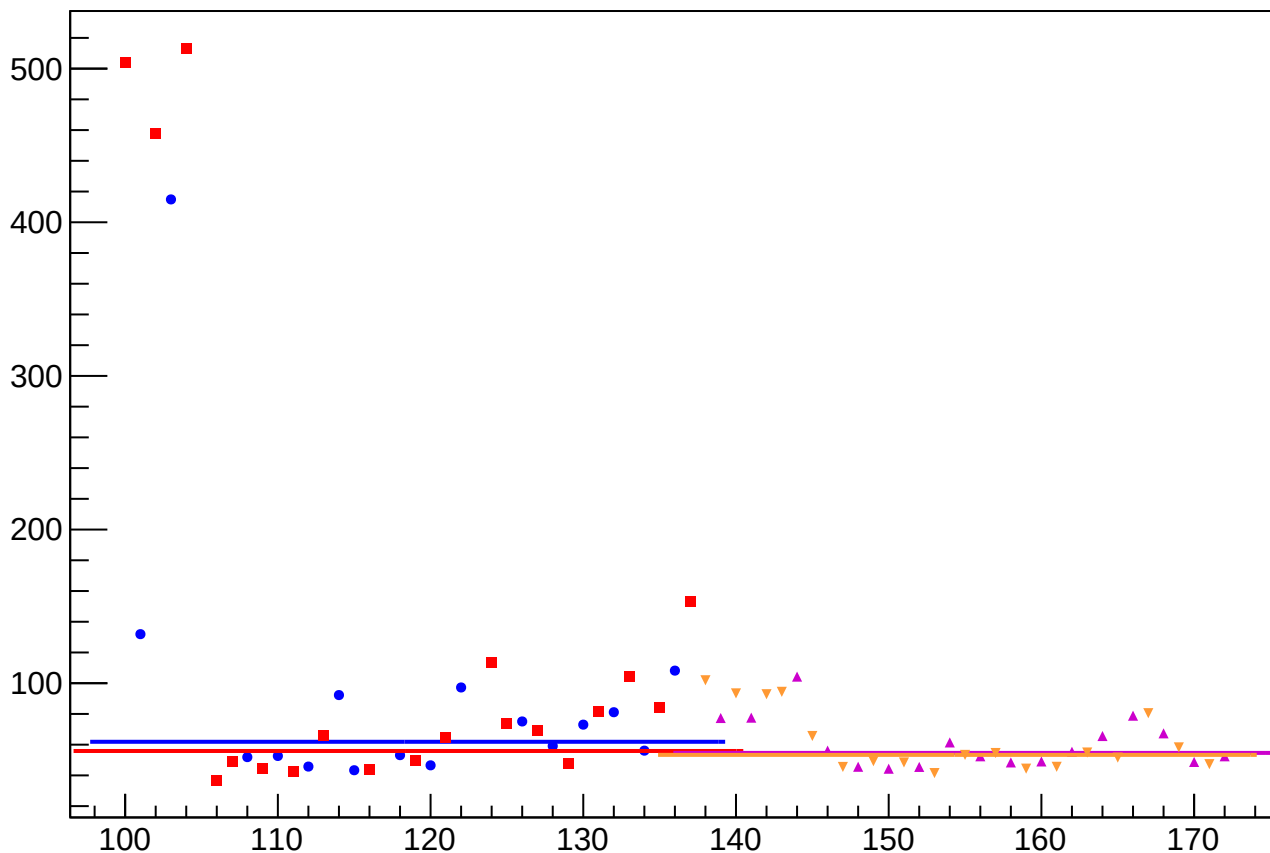
Left In: 0.018 ± 0.016 χ^2/NDF : 24.8/16

+ sign -0.016 ± 0.013 χ^2/NDF : 29.1/33

All: 0.004 ± 0.009 χ^2/NDF : 82.5/69

- sign 0.022 ± 0.013 χ^2/NDF : 49.5/35

asym_usr_atr1_avg_eigen_dit_vs_eigen_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

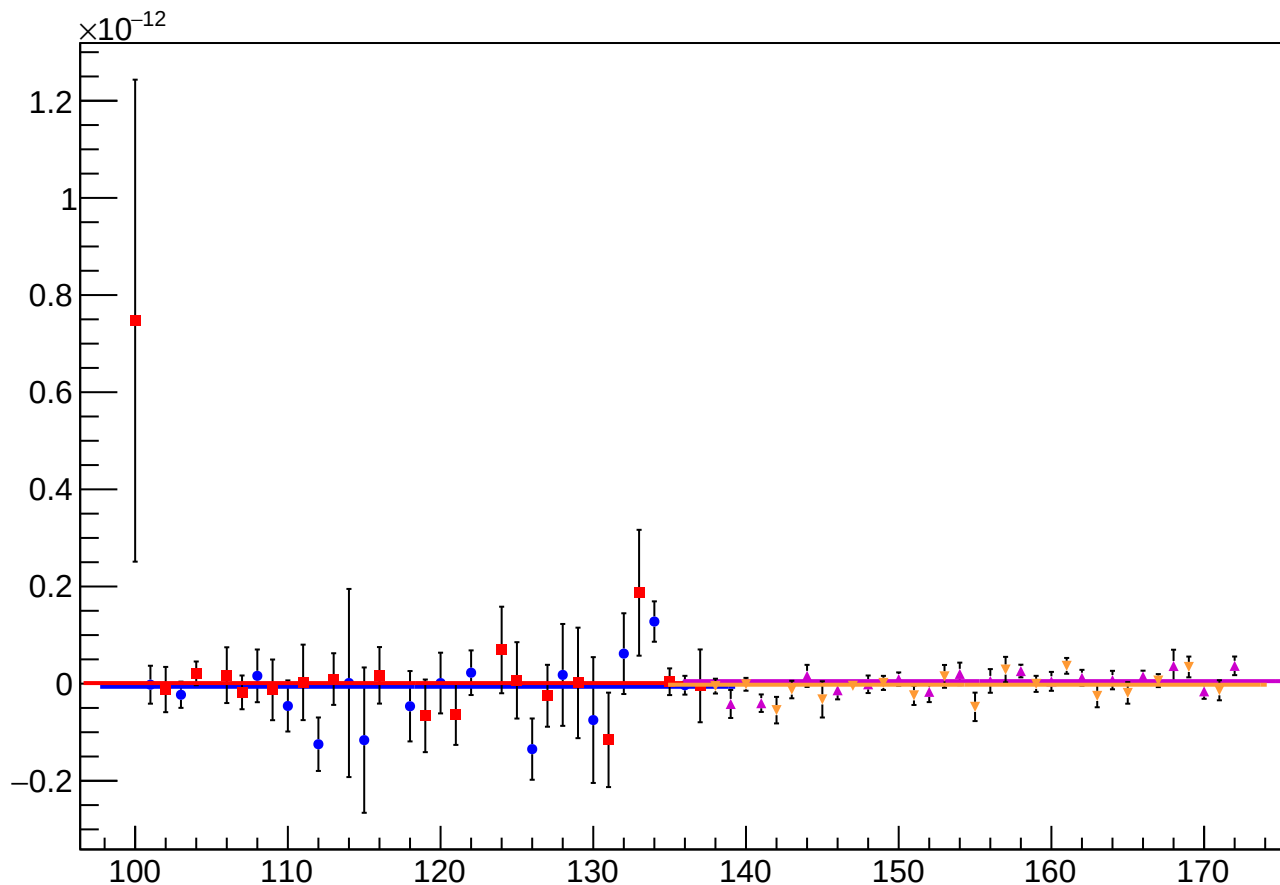
Left In: 54.640+/-0.011 χ^2/NDF : 1142427.3/16

+ sign 55.538+/-0.010 χ^2/NDF : 3661117.9/33

All: 55.266+/-0.007 χ^2/NDF : 7400042.6/69

- sign 55.002+/-0.009 χ^2/NDF : 3737309.6/35

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 22.6/15

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

Right Out: 0.000+/-0.000 χ^2 /NDF: 9.7/18

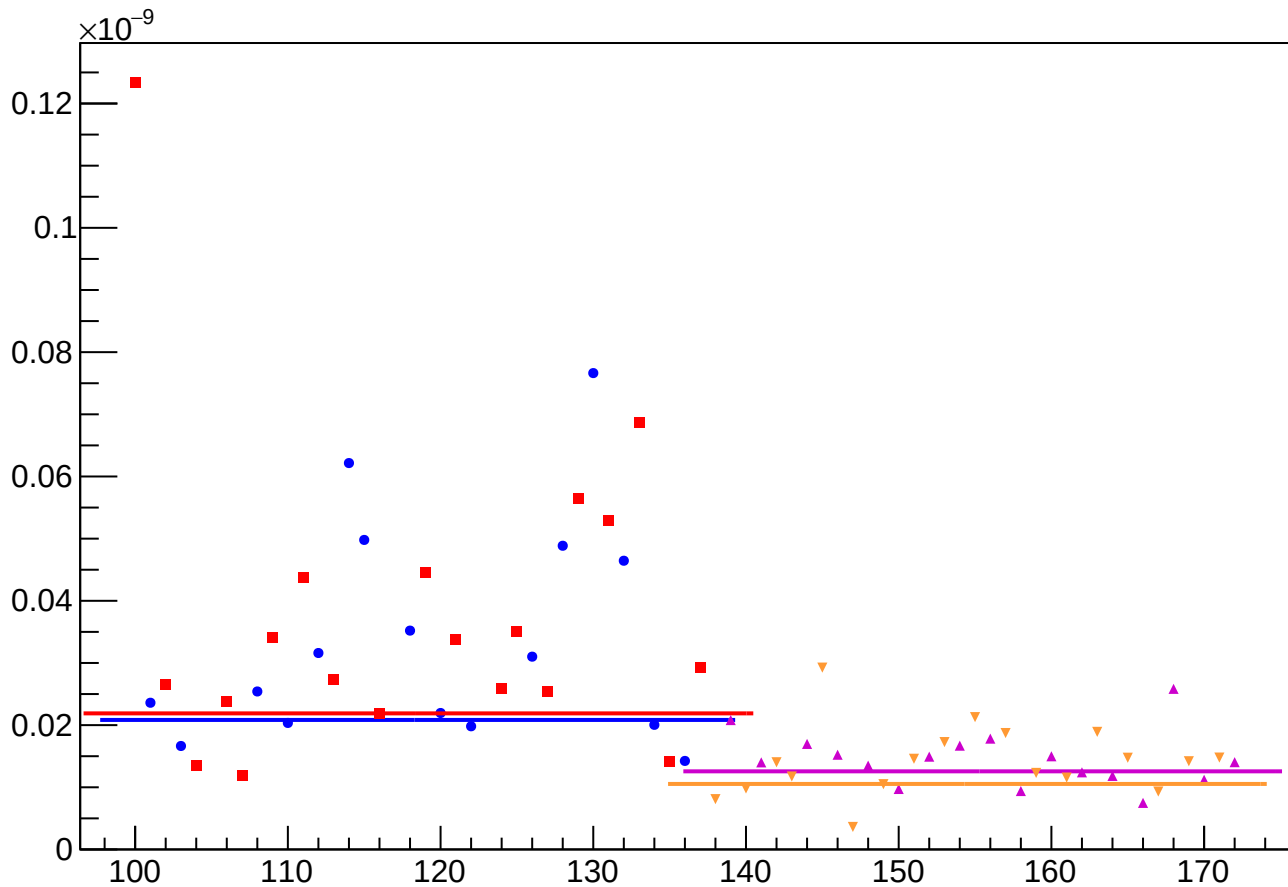
Left In: 0.000+/-0.000 χ^2 /NDF: 20.7/16

+ sign -0.000+/-0.000 χ^2 /NDF: 44.0/33

All: 0.000+/-0.000 χ^2 /NDF: 76.4/69

- sign 0.000+/-0.000 χ^2 /NDF: 30.5/35

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

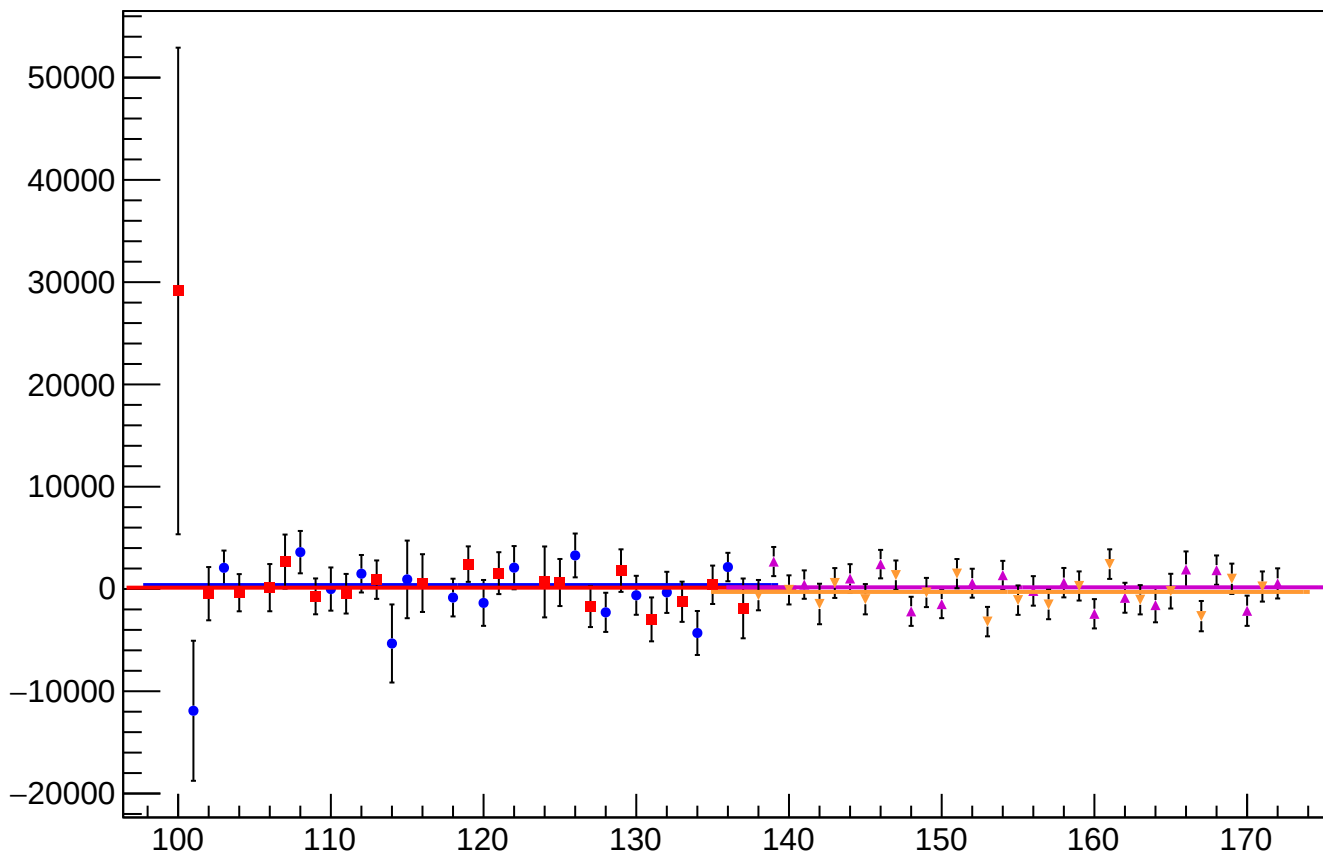
Left In: 0.000+/-0.000 χ^2/NDF : 1418986.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 6074767.5/33

All: 0.000+/-0.000 χ^2/NDF : 10738161.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4409585.7/35

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

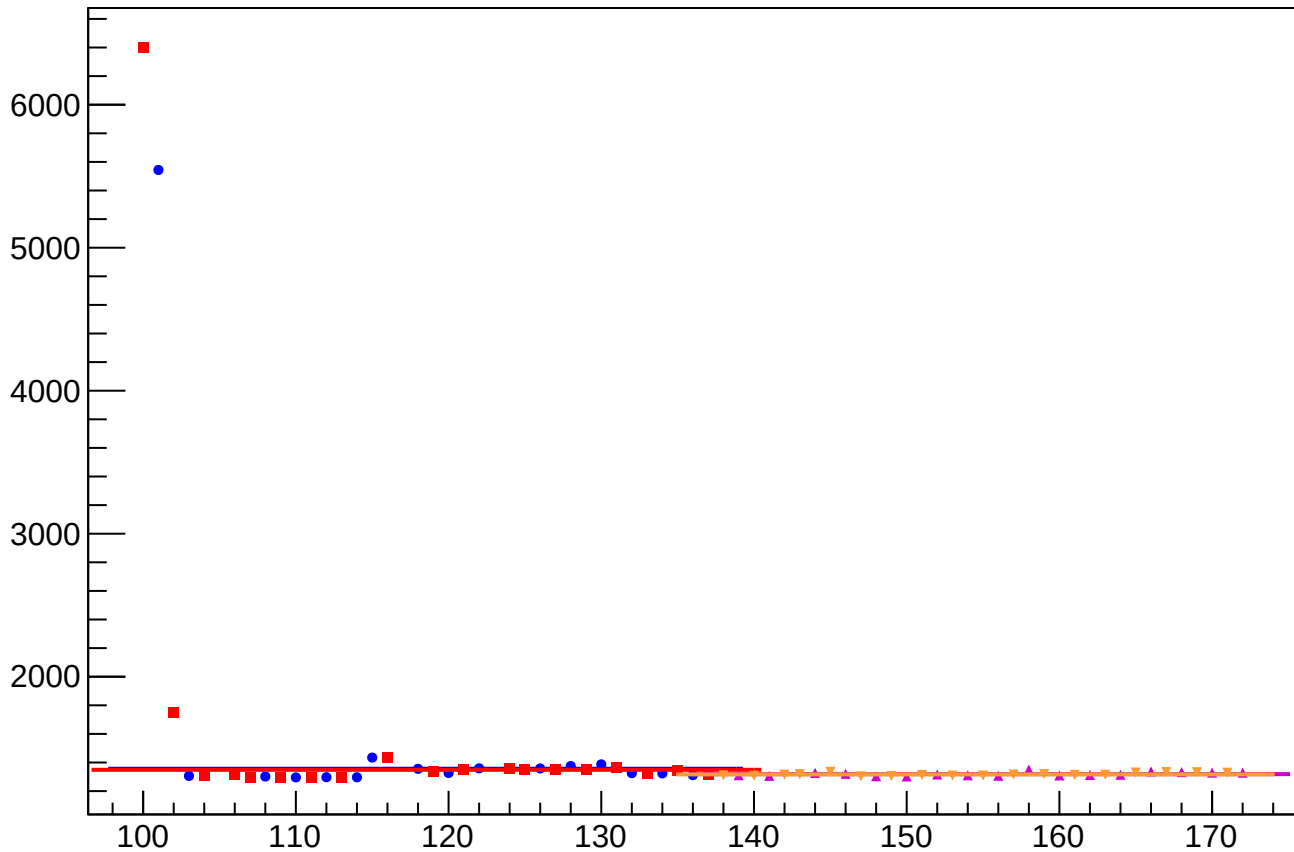
Left In: 161.462+/-352.005 χ^2/NDF : 21.0/16

+ sign -79.867+/-289.254 χ^2/NDF : 39.1/33

All: 35.748+/-204.095 χ^2/NDF : 70.3/69

- sign 150.379+/-288.019 χ^2/NDF : 30.9/35

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

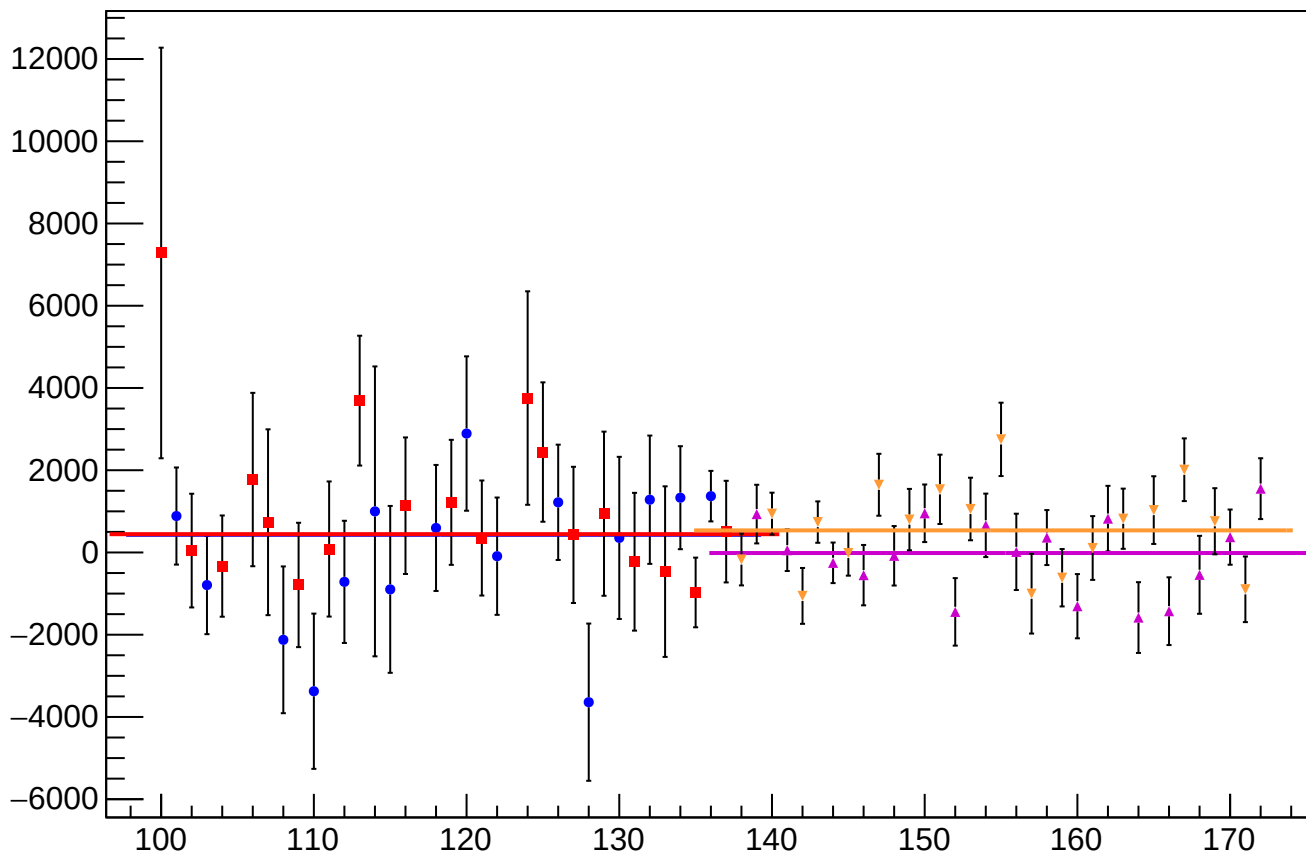
Left In: 1318.686+/-0.249 χ^2/NDF : 2754.1/16

+ sign 1329.247+/-0.205 χ^2/NDF : 769838.5/33

All: 1328.971+/-0.144 χ^2/NDF : 924756.0/69

- sign 1328.697+/-0.204 χ^2/NDF : 154913.9/35

asym_usr_atr1_dd_reg_correction_mean vs Slug



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

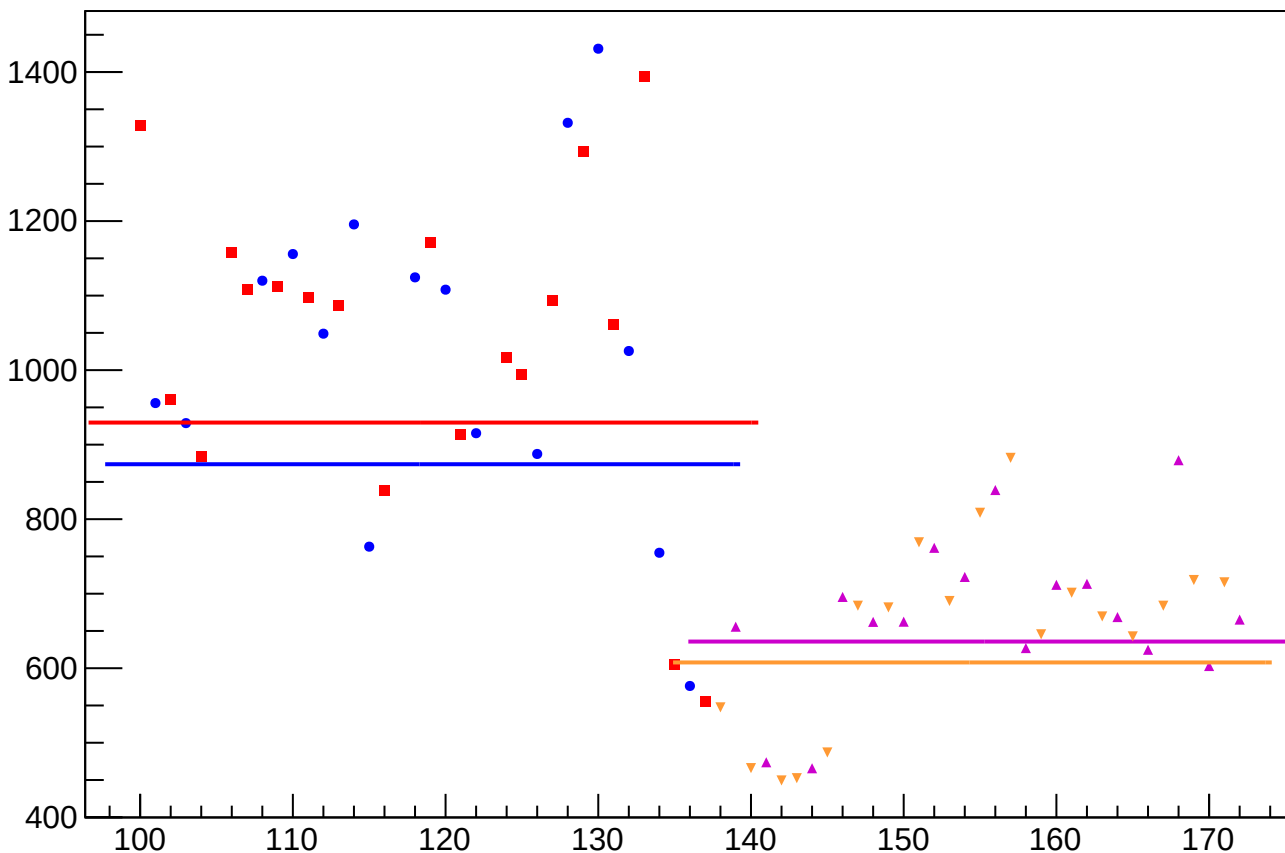
Left In: -13.627+/-172.642 χ^2/NDF : 23.8/16

+ sign 516.291+/-148.384 χ^2/NDF : 50.3/33

All: 305.112+/-107.287 χ^2/NDF : 94.1/69

- sign 73.771+/-155.306 χ^2/NDF : 39.6/35

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

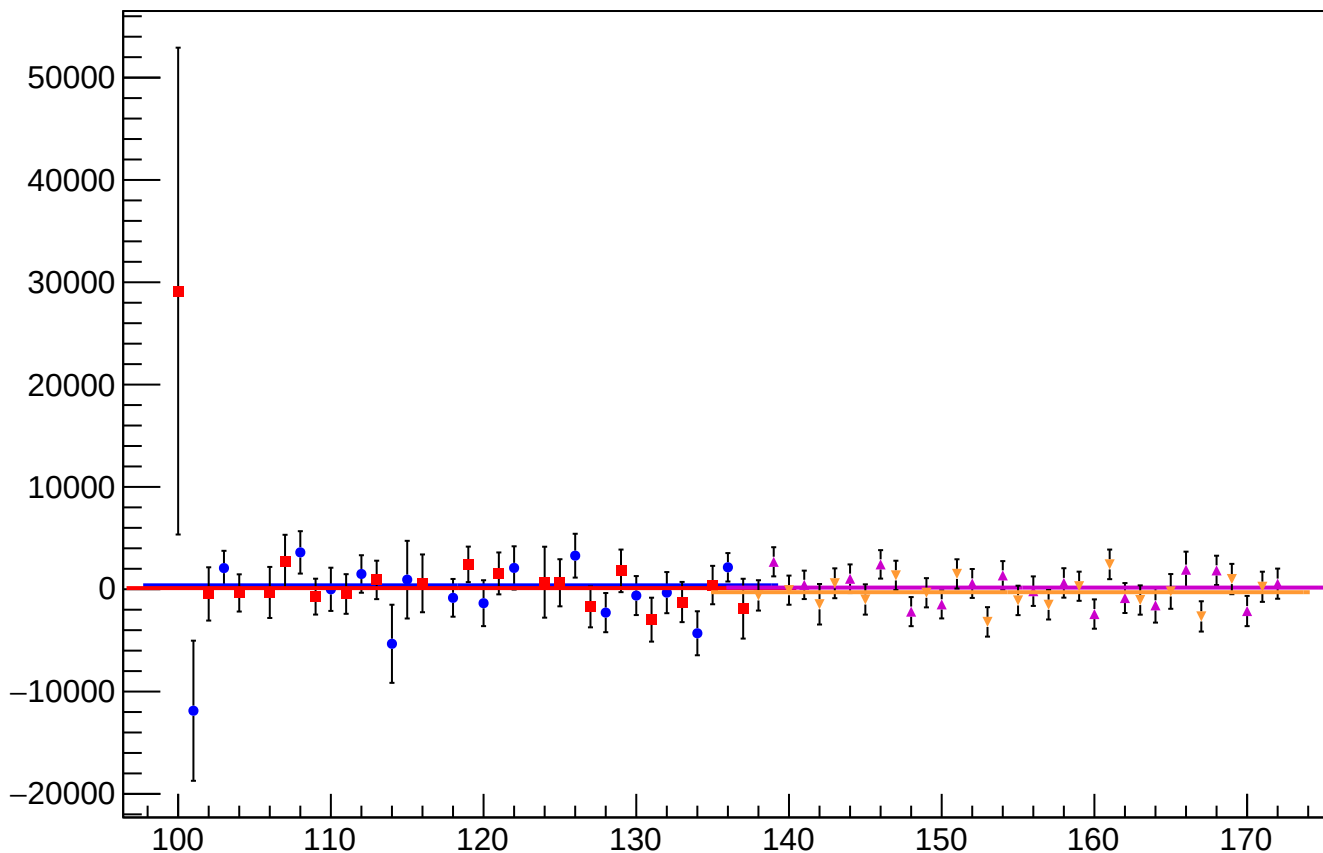
Left In: 635.771+/-0.122 χ^2/NDF : 812655.6/16

+ sign 658.871+/-0.105 χ^2/NDF : 3126085.6/33

All: 674.598+/-0.076 χ^2/NDF : 5951104.1/69

- sign 691.826+/-0.110 χ^2/NDF : 2777941.6/35

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

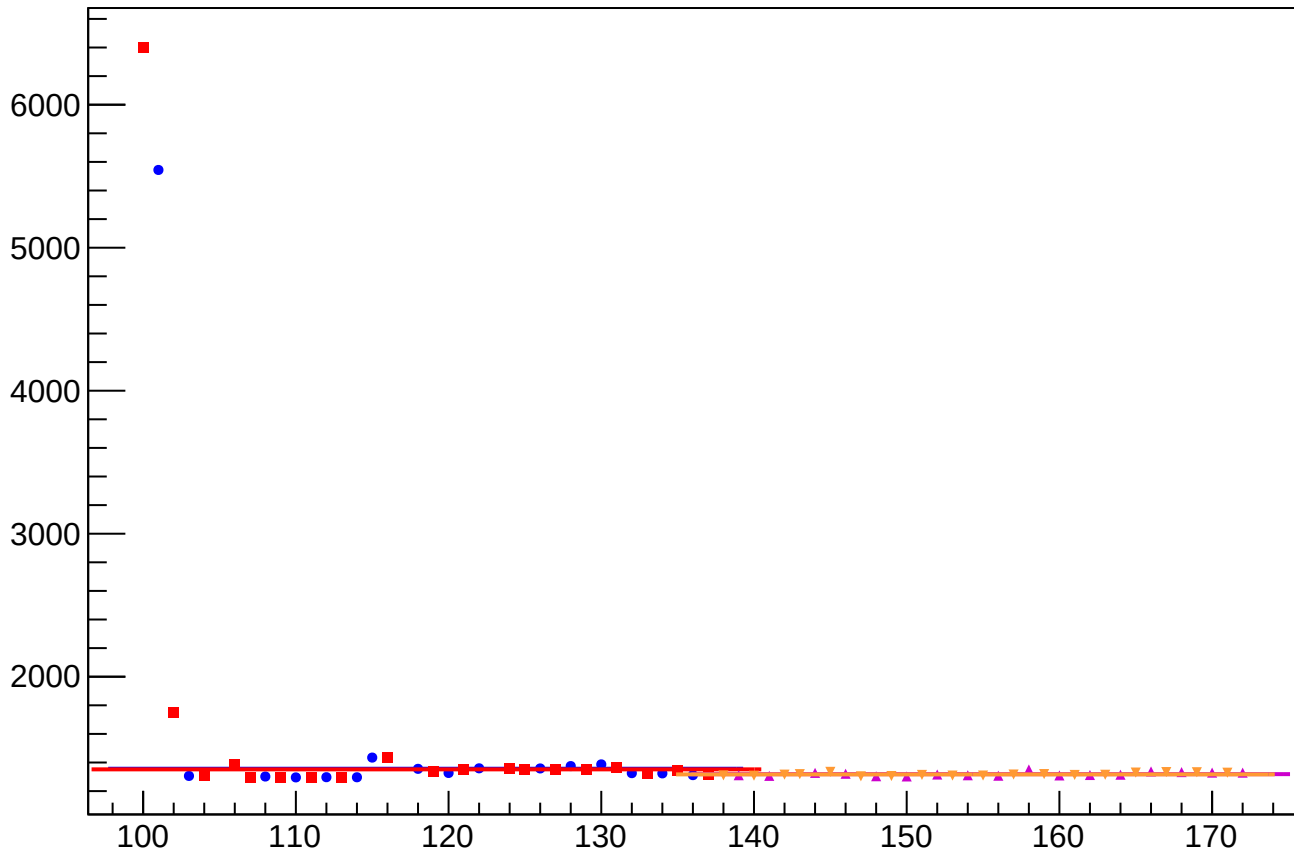
Left In: 161.509 ± 352.005 χ^2/NDF : 21.0/16

+ sign -79.789 ± 289.254 χ^2/NDF : 39.1/33

All: 32.787 ± 204.210 χ^2/NDF : 70.3/69

- sign 144.654 ± 288.342 χ^2/NDF : 31.0/35

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1316.931 $\pm$ 0.247 χ^2 /NDF: 1579.1/17

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

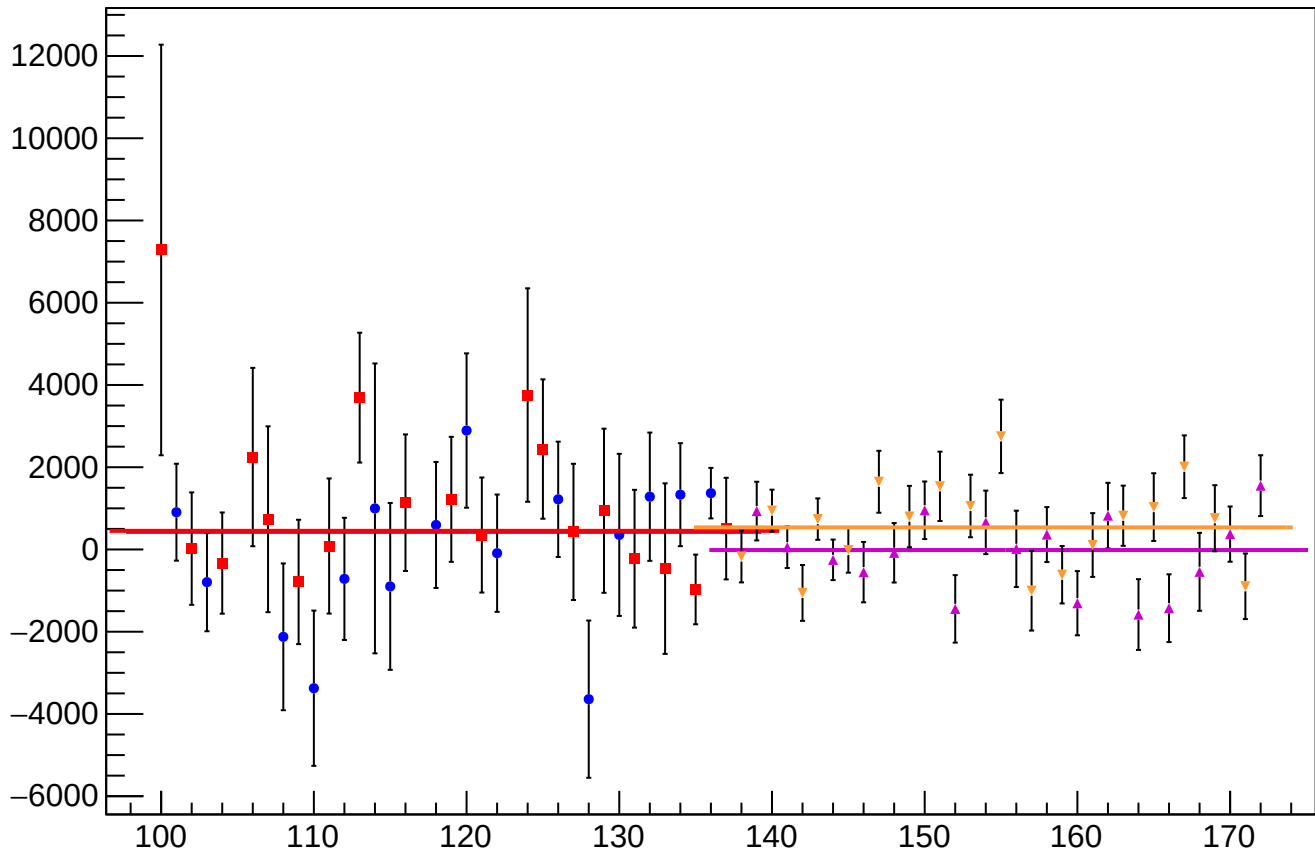
Left In: 1318.686 $\pm$ 0.249 χ^2 /NDF: 2754.1/16

+ sign 1329.247 $\pm$ 0.205 χ^2 /NDF: 769837.5/33

All: 1329.461 $\pm$ 0.144 χ^2 /NDF: 925843.6/69

- sign 1329.674 $\pm$ 0.204 χ^2 /NDF: 156003.9/35

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 432.135 ± 338.403 $\chi^2/\text{NDF}: 18.2/15$

Left Out: 536.706 ± 165.096 $\chi^2/\text{NDF}: 32.0/17$

Right Out: 453.039 ± 355.599 $\chi^2/\text{NDF}: 14.7/18$

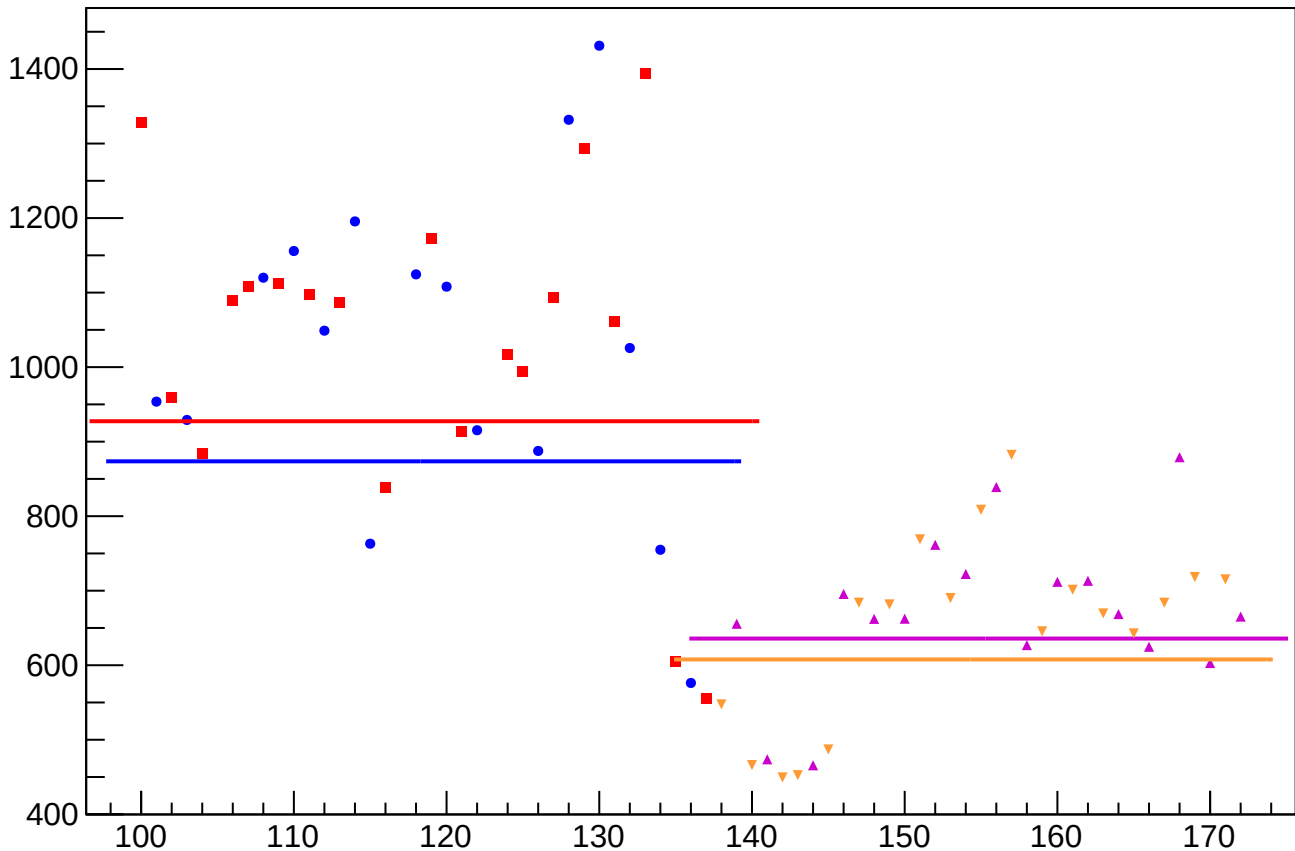
Left In: -13.626 ± 172.641 $\chi^2/\text{NDF}: 23.8/16$

+ sign 516.602 ± 148.379 $\chi^2/\text{NDF}: 50.3/33$

All: 306.052 ± 107.285 $\chi^2/\text{NDF}: 94.4/69$

- sign 75.388 ± 155.305 $\chi^2/\text{NDF}: 39.9/35$

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 873.606 $\pm$ 0.239 χ^2 /NDF: 1014405.7/15

Left Out: 607.749 $\pm$ 0.117 χ^2 /NDF: 1113375.0/17

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

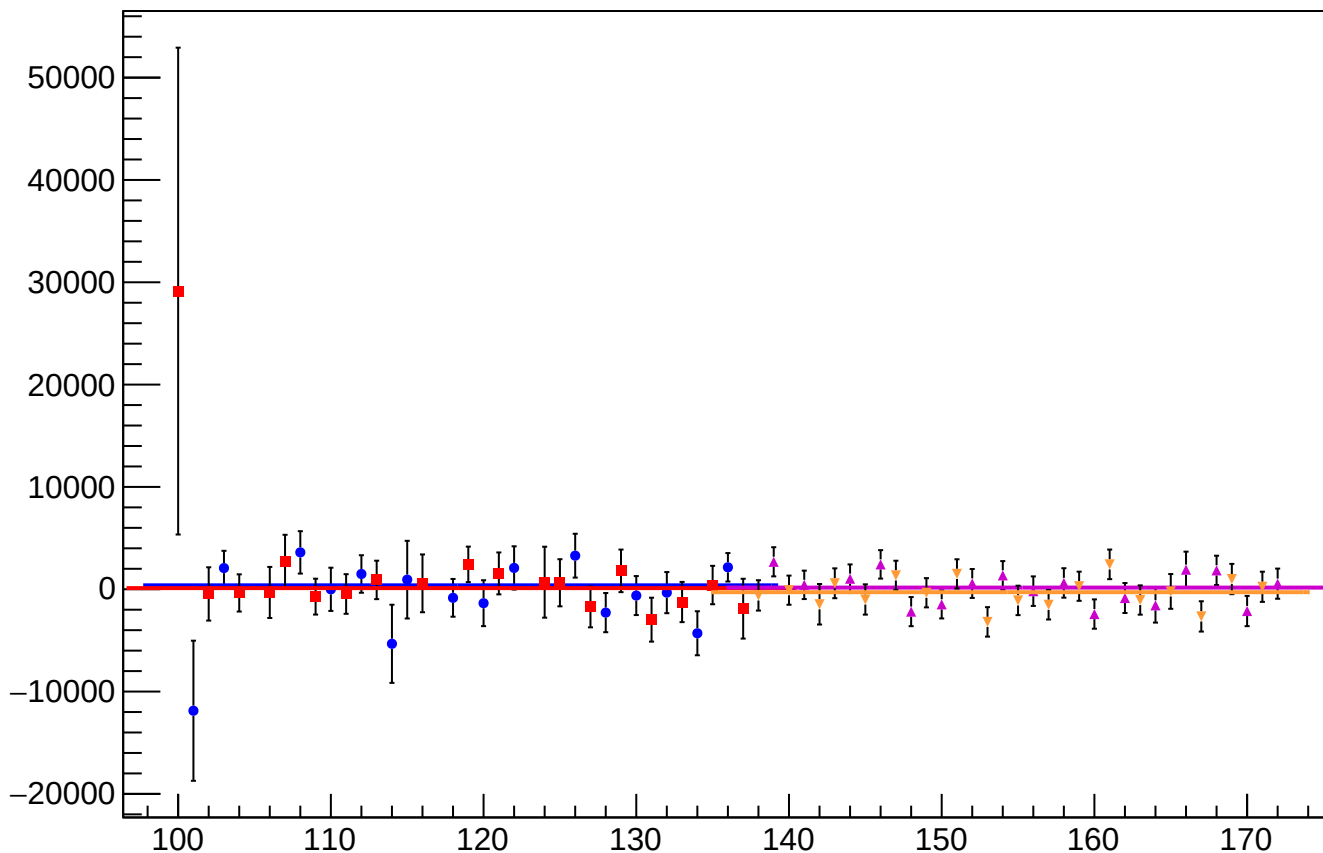
Left In: 635.766 $\pm$ 0.122 χ^2 /NDF: 812720.1/16

+ sign 658.861 $\pm$ 0.105 χ^2 /NDF: 3124870.2/33

All: 674.386 $\pm$ 0.076 χ^2 /NDF: 5919514.5/69

- sign 691.395 $\pm$ 0.110 χ^2 /NDF: 2748761.1/35

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

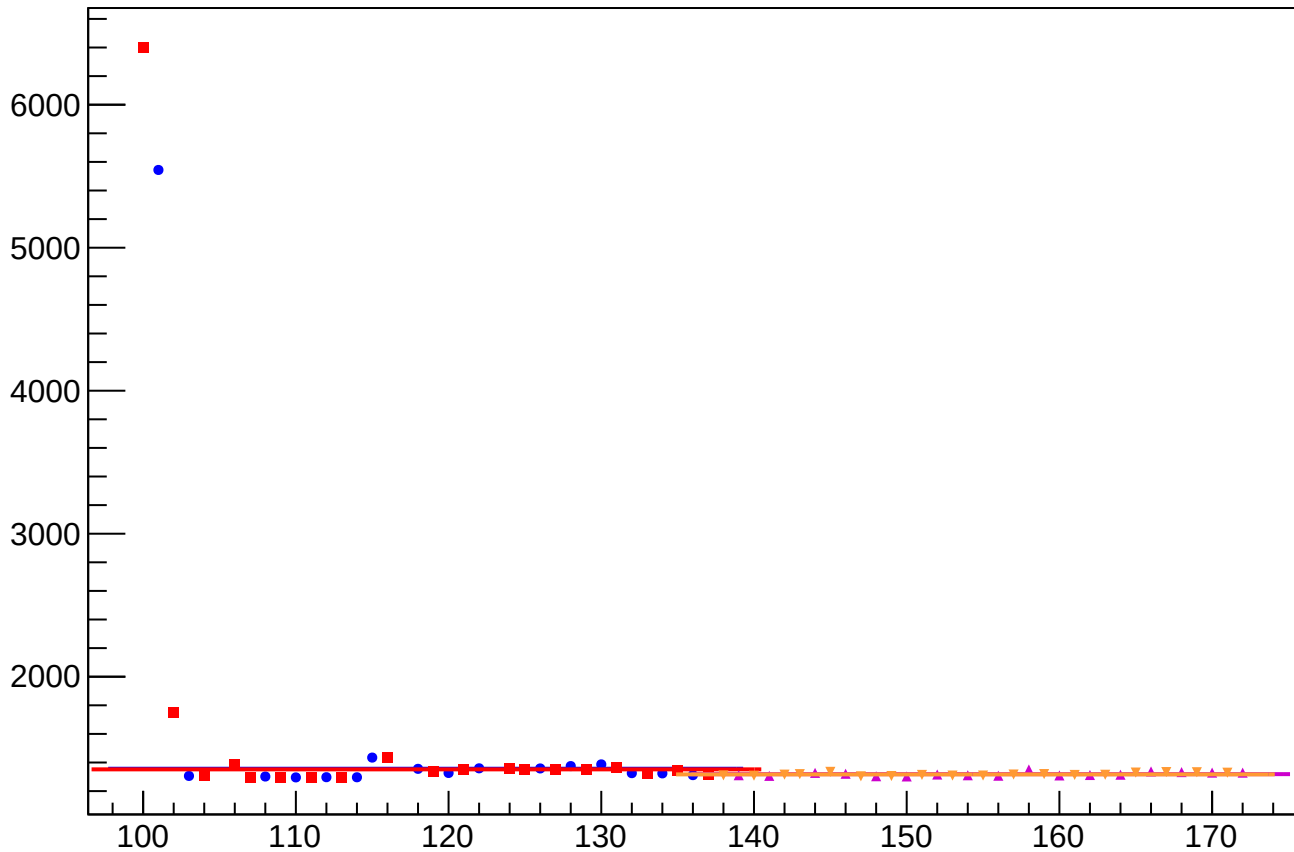
Left In: 161.509 ± 352.005 χ^2/NDF : 21.0/16

+ sign -79.789 ± 289.254 χ^2/NDF : 39.1/33

All: 32.787 ± 204.210 χ^2/NDF : 70.3/69

- sign 144.654 ± 288.342 χ^2/NDF : 31.0/35

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.397 $\pm$ 0.366 χ^2 /NDF: 760265.4/15

Left Out: 1316.931 $\pm$ 0.247 χ^2 /NDF: 1579.1/17

Right Out: 1352.083 $\pm$ 0.355 χ^2 /NDF: 147326.5/18

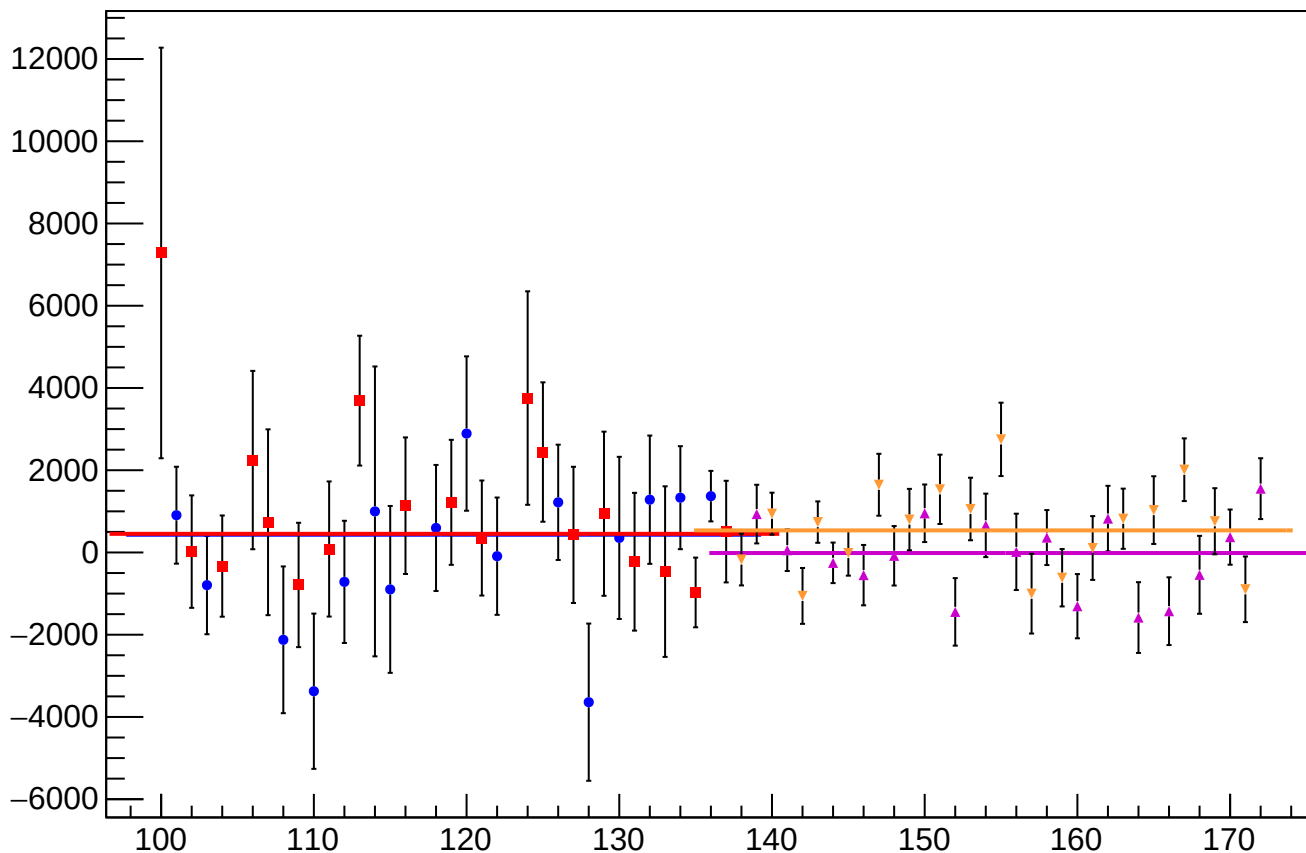
Left In: 1318.686 $\pm$ 0.249 χ^2 /NDF: 2754.1/16

+ sign 1329.247 $\pm$ 0.205 χ^2 /NDF: 769837.5/33

All: 1329.461 $\pm$ 0.144 χ^2 /NDF: 925843.6/69

- sign 1329.674 $\pm$ 0.204 χ^2 /NDF: 156003.9/35

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 432.135 $\pm$ 338.403 χ^2 /NDF: 18.2/15

Left Out: 536.706 $\pm$ 165.096 χ^2 /NDF: 32.0/17

Right Out: 453.039 $\pm$ 355.599 χ^2 /NDF: 14.7/18

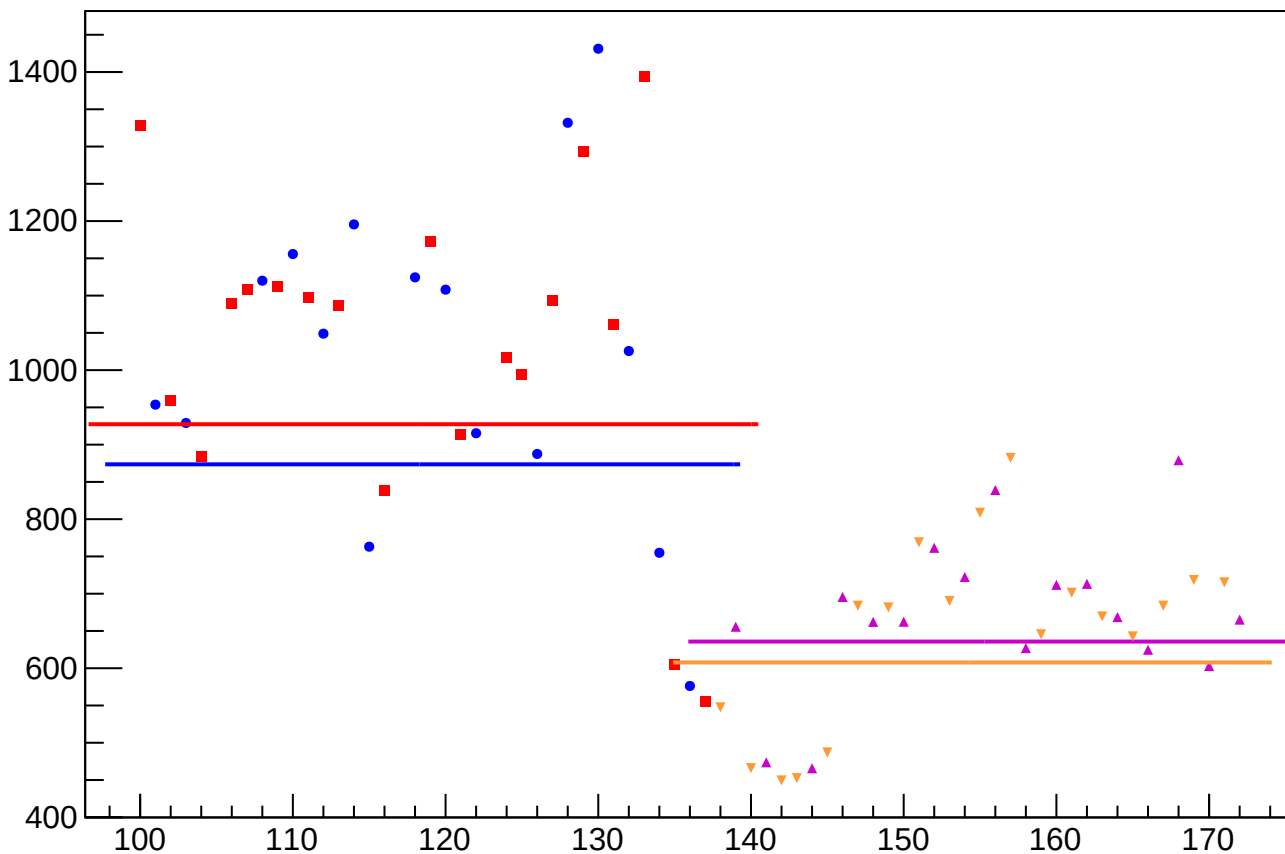
Left In: -13.626 $\pm$ 172.641 χ^2 /NDF: 23.8/16

+ sign 516.602 $\pm$ 148.379 χ^2 /NDF: 50.3/33

All: 306.052 $\pm$ 107.285 χ^2 /NDF: 94.4/69

- sign 75.388 $\pm$ 155.305 χ^2 /NDF: 39.9/35

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 873.606 $\pm$ 0.239 χ^2 /NDF: 1014405.7/15

Left Out: 607.749 $\pm$ 0.117 χ^2 /NDF: 1113375.0/17

Right Out: 927.407 $\pm$ 0.251 χ^2 /NDF: 847382.0/18

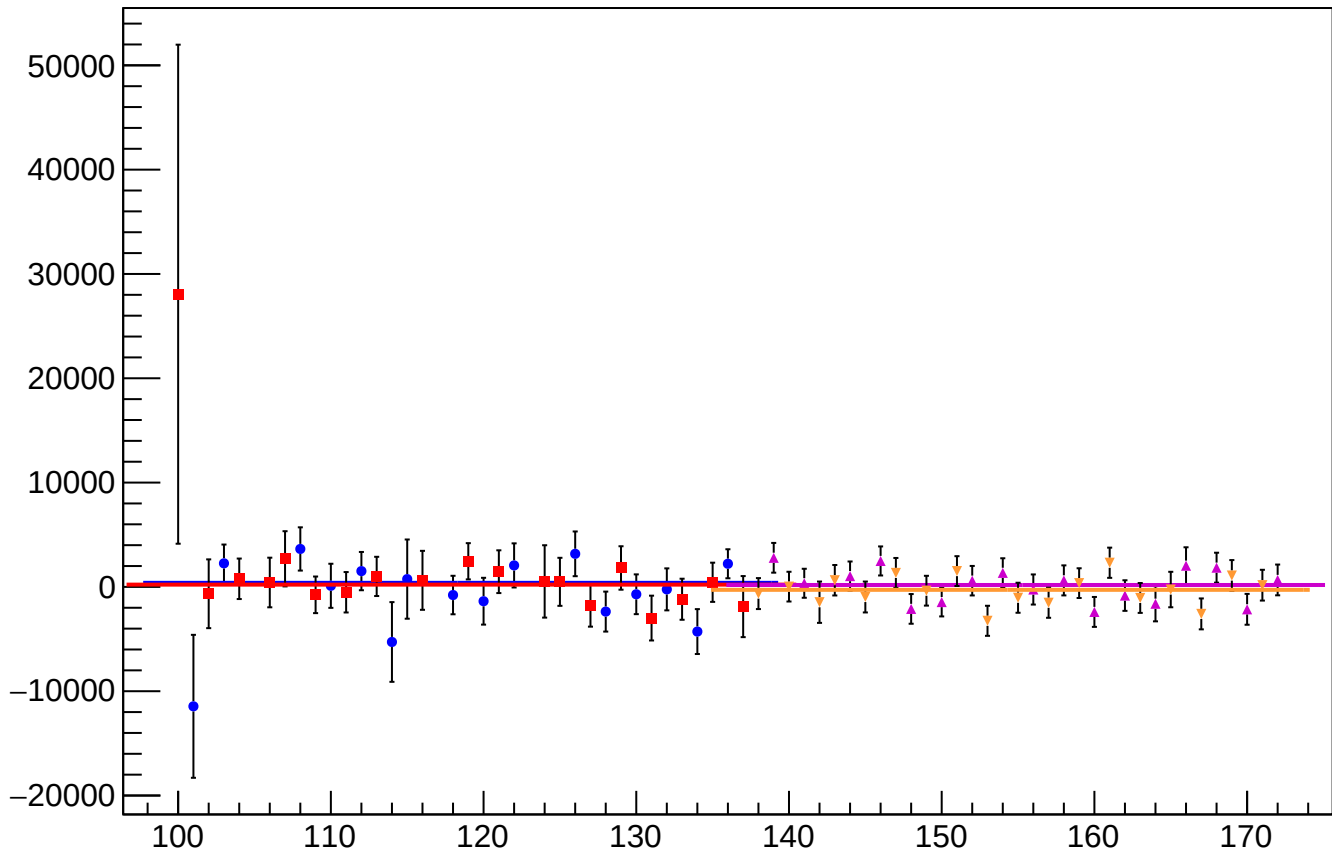
Left In: 635.766 $\pm$ 0.122 χ^2 /NDF: 812720.1/16

+ sign 658.861 $\pm$ 0.105 χ^2 /NDF: 3124870.2/33

All: 674.386 $\pm$ 0.076 χ^2 /NDF: 5919514.5/69

- sign 691.395 $\pm$ 0.110 χ^2 /NDF: 2748761.1/35

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

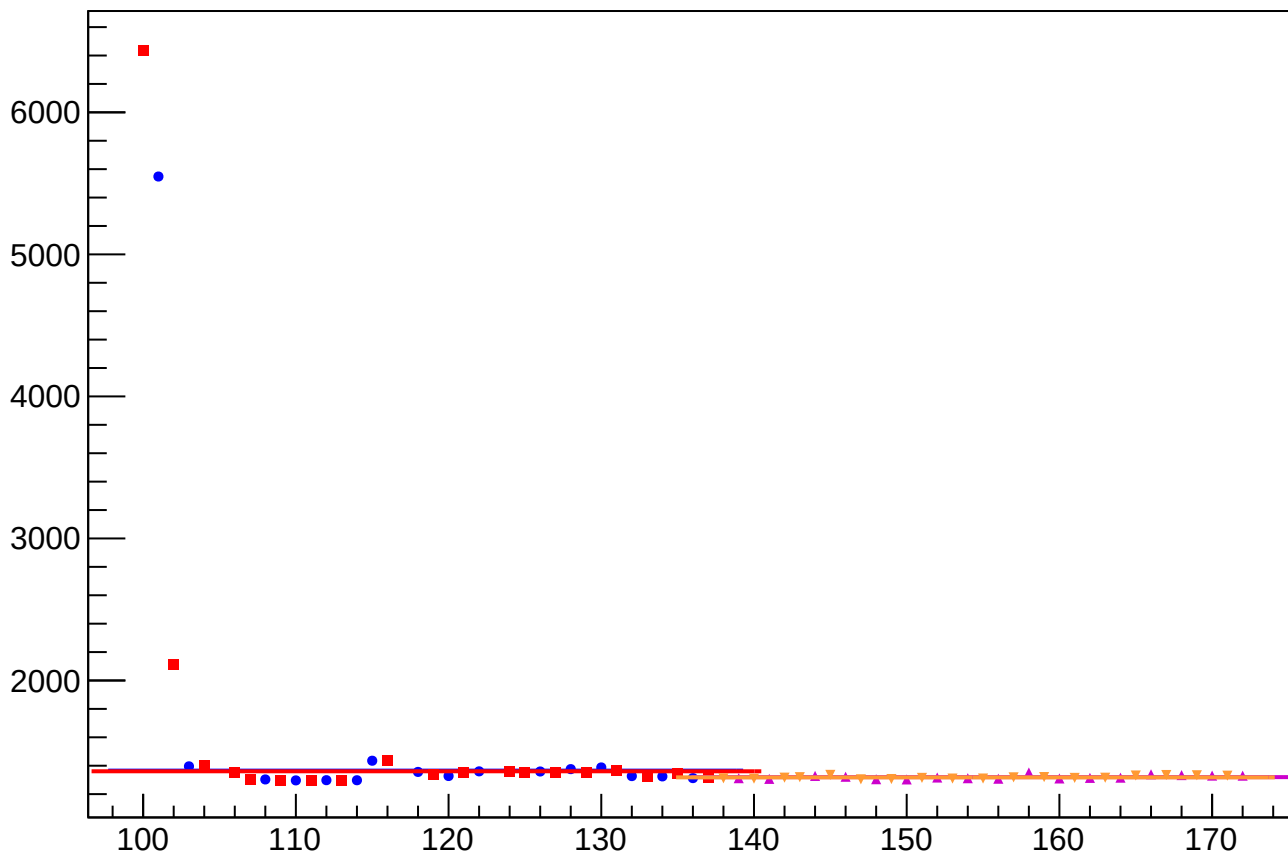
Left In: 183.683 ± 352.268 χ^2/NDF : 21.3/16

+ sign -73.232 ± 289.995 χ^2/NDF : 38.8/33

All: 61.073 ± 204.870 χ^2/NDF : 70.5/69

- sign 194.888 ± 289.465 χ^2/NDF : 31.3/35

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302 $\pm$ 0.369 χ^2 /NDF: 758944.7/15

Left Out: 1317.967 $\pm$ 0.247 χ^2 /NDF:1586.1/17

Right Out: 1360.771 $\pm$ 0.359 χ^2 /NDF: 205315.3/18

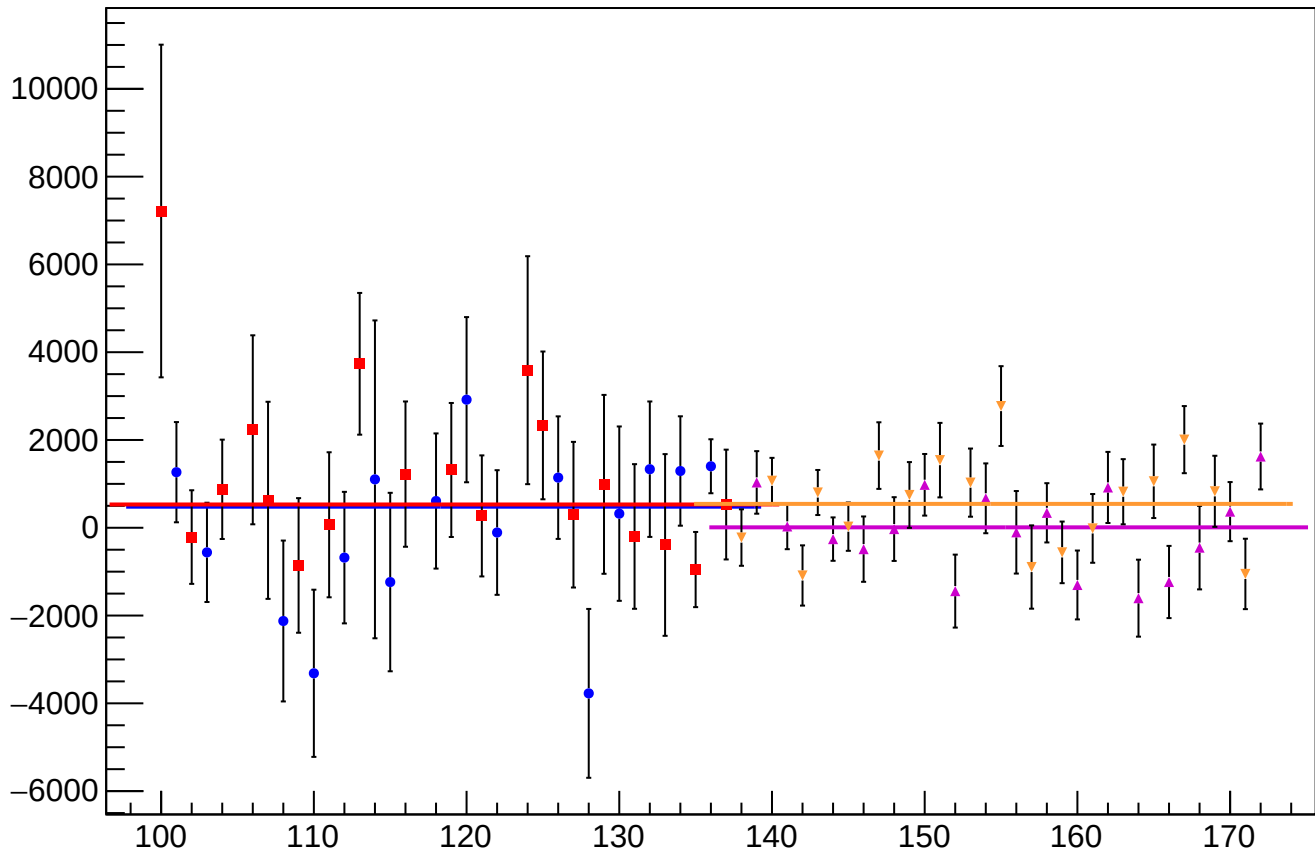
Left In: 1319.670 $\pm$ 0.249 χ^2 /NDF:2776.3/16

+ sign 1332.623 $\pm$ 0.205 χ^2 /NDF: 771921.3/33

All: 1332.821 $\pm$ 0.145 χ^2 /NDF: 988857.1/69

- sign 1333.019 $\pm$ 0.205 χ^2 /NDF: 216933.9/35

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 480.403 $\pm$ 336.520 χ^2/NDF : 18.6/15

Left Out: 543.896 $\pm$ 166.944 χ^2/NDF : 32.7/17

Right Out: 530.532 $\pm$ 346.105 χ^2/NDF : 15.6/18

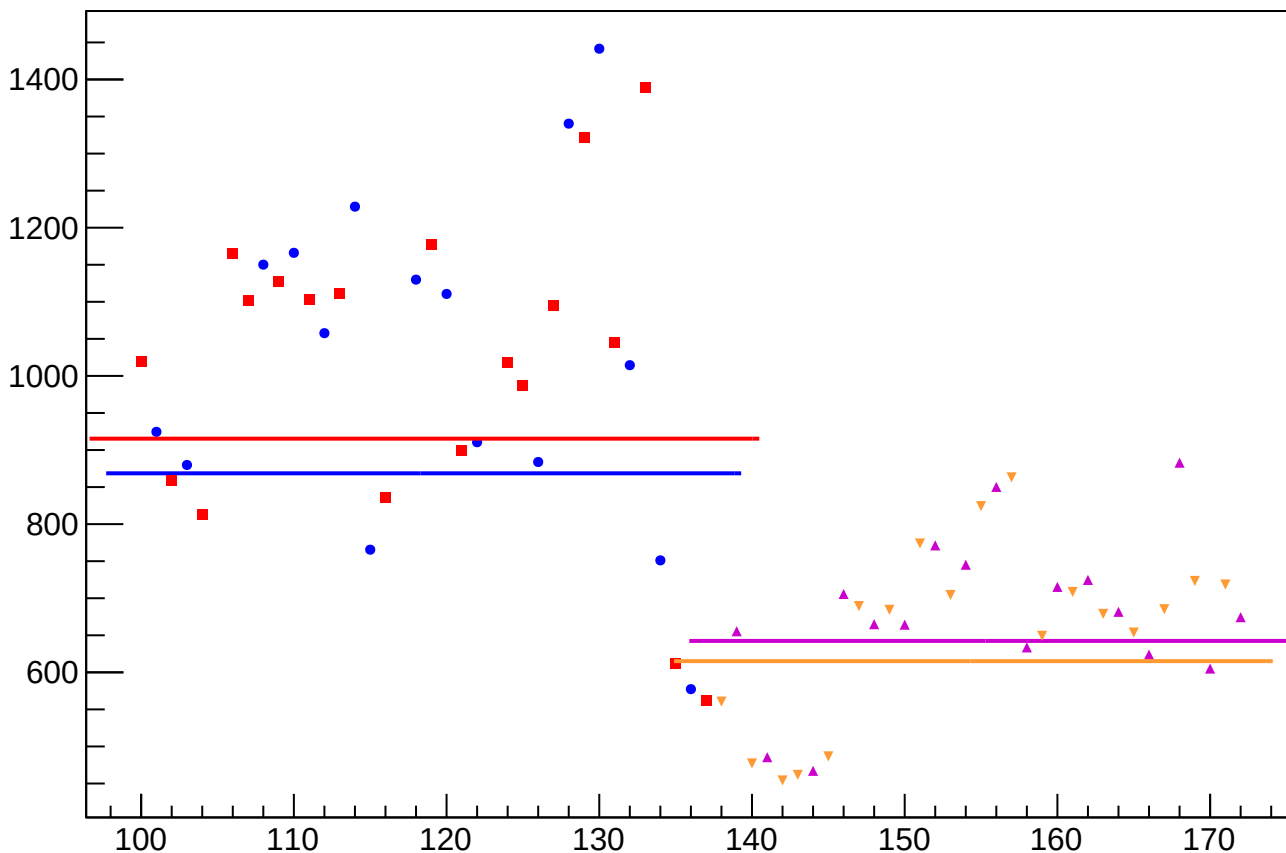
Left In: 9.588 $\pm$ 174.399 χ^2/NDF : 23.6/16

+ sign 531.356 $\pm$ 149.552 χ^2/NDF : 51.4/33

All: 331.654 $\pm$ 107.872 χ^2/NDF : 96.1/69

- sign 115.075 $\pm$ 155.744 χ^2/NDF : 41.0/35

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 868.572 $\pm$ 0.238 χ^2 /NDF: 1021338.5/15

Left Out: 615.148 $\pm$ 0.118 χ^2 /NDF: 1065083.0/17

Right Out: 915.360 $\pm$ 0.245 χ^2 /NDF: 858906.6/18

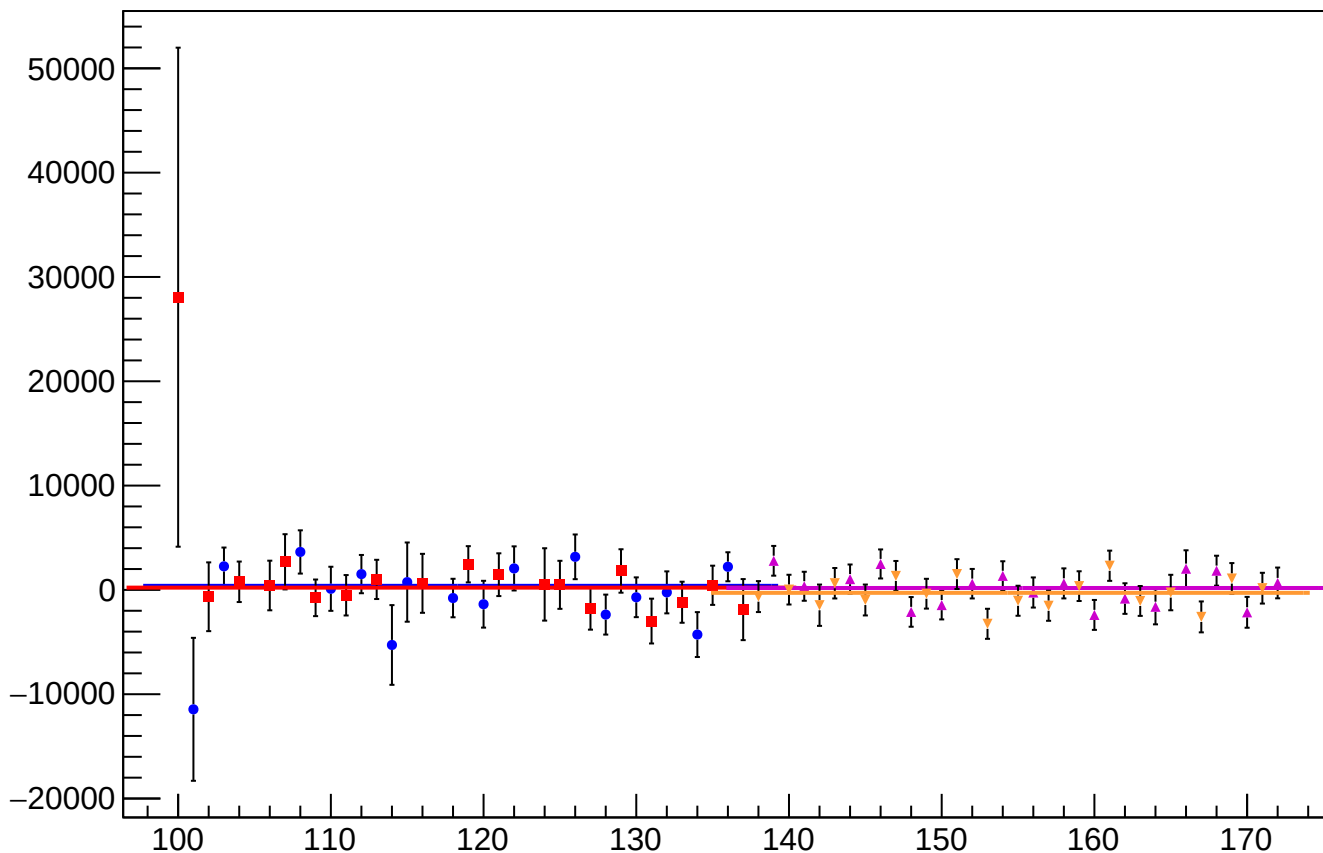
Left In: 642.411 $\pm$ 0.123 χ^2 /NDF: 813545.4/16

+ sign 665.199 $\pm$ 0.106 χ^2 /NDF: 2996647.9/33

All: 680.781 $\pm$ 0.076 χ^2 /NDF: 5706363.1/69

- sign 697.681 $\pm$ 0.110 χ^2 /NDF: 2664452.8/35

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

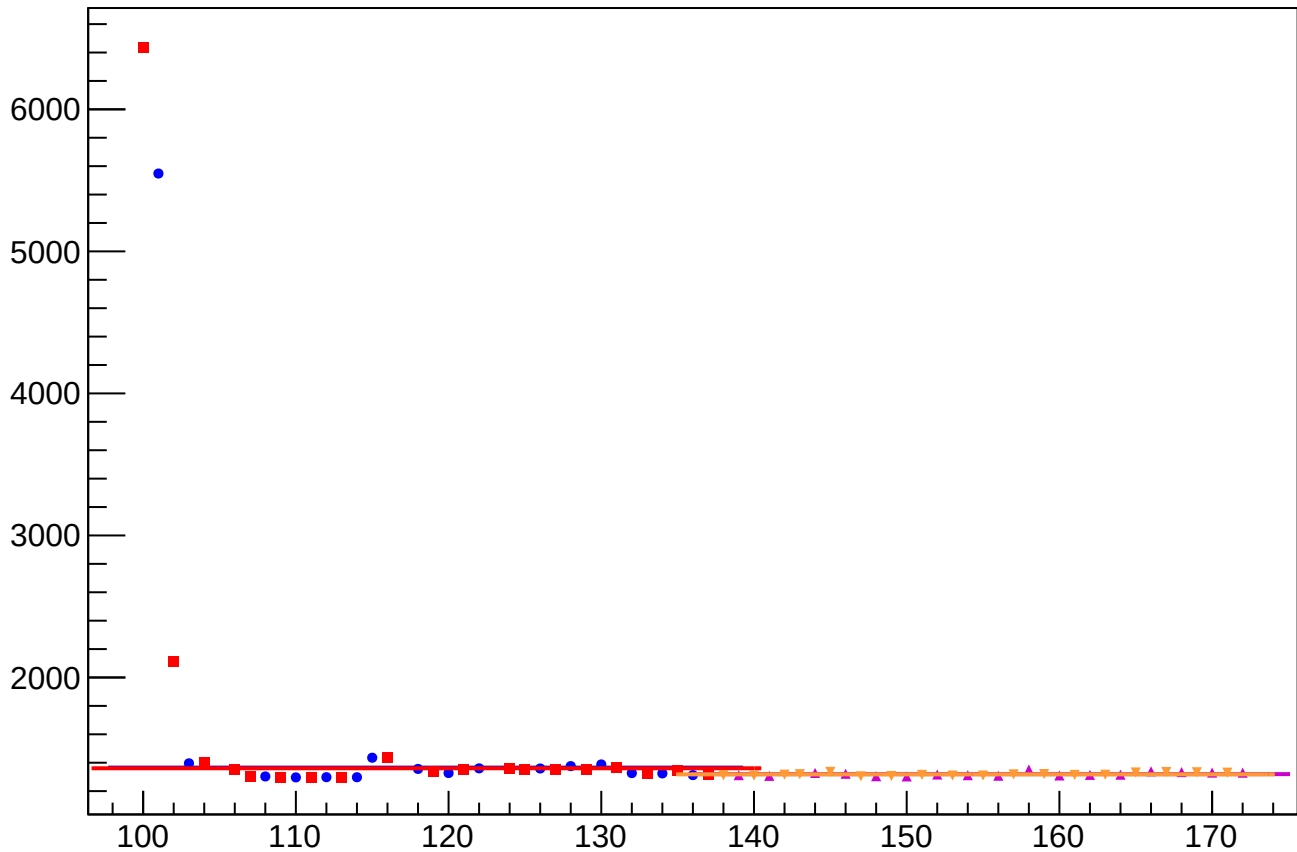
Left In: 183.683 ± 352.268 χ^2/NDF : 21.3/16

+ sign -73.233 ± 289.995 χ^2/NDF : 38.8/33

All: 61.073 ± 204.870 χ^2/NDF : 70.5/69

- sign 194.887 ± 289.465 χ^2/NDF : 31.3/35

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.302 $\pm$ 0.369 χ^2 /NDF: 758944.7/15

Left Out: 1317.967 $\pm$ 0.247 χ^2 /NDF: 1586.1/17

Right Out: 1360.770 $\pm$ 0.359 χ^2 /NDF: 205315.2/18

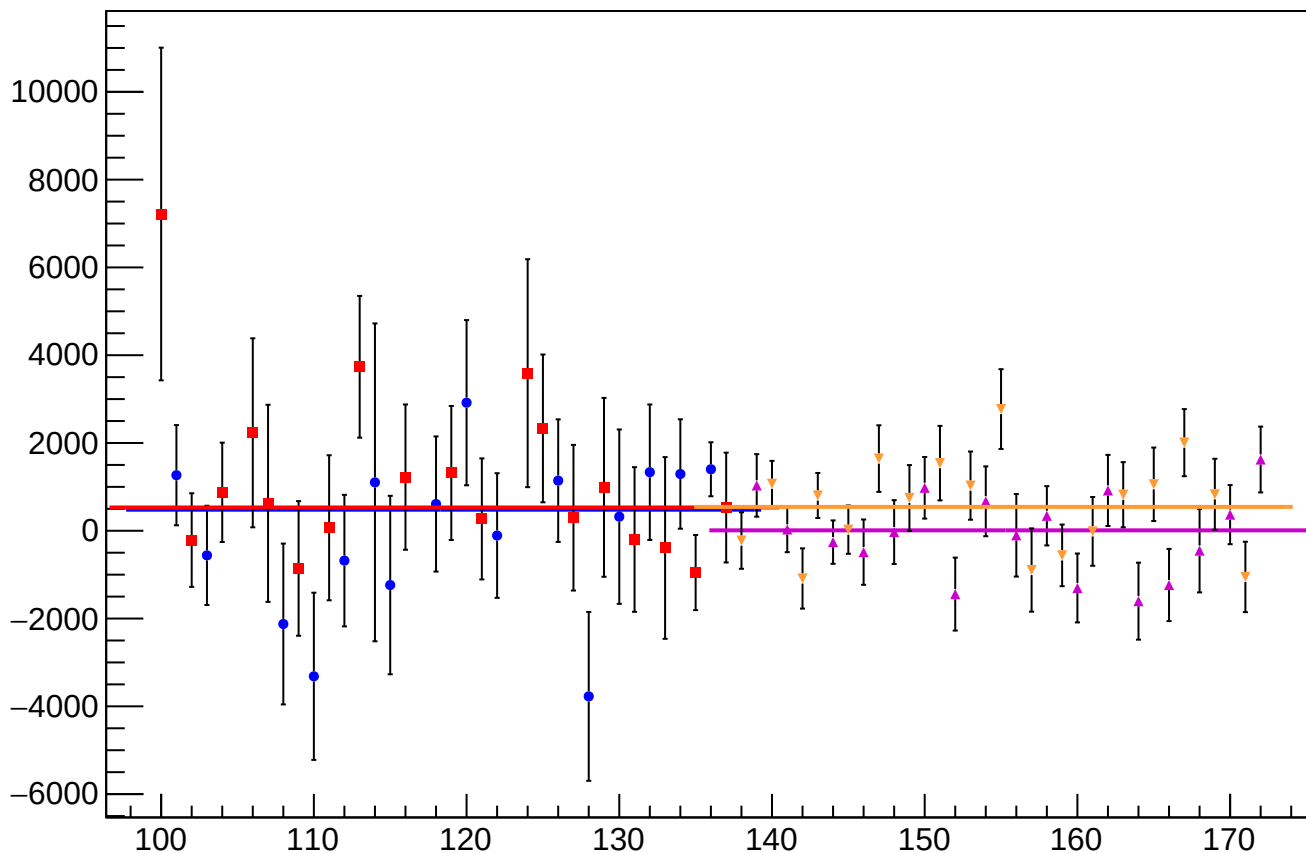
Left In: 1319.670 $\pm$ 0.249 χ^2 /NDF: 2776.3/16

+ sign 1332.623 $\pm$ 0.205 χ^2 /NDF: 771921.3/33

All: 1332.821 $\pm$ 0.145 χ^2 /NDF: 988857.0/69

- sign 1333.019 $\pm$ 0.205 χ^2 /NDF: 216933.8/35

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 480.400 $\pm$ 336.519 χ^2/NDF : 18.6/15

Left Out: 543.897 $\pm$ 166.944 χ^2/NDF : 32.7/17

Right Out: 530.531 $\pm$ 346.104 χ^2/NDF : 15.6/18

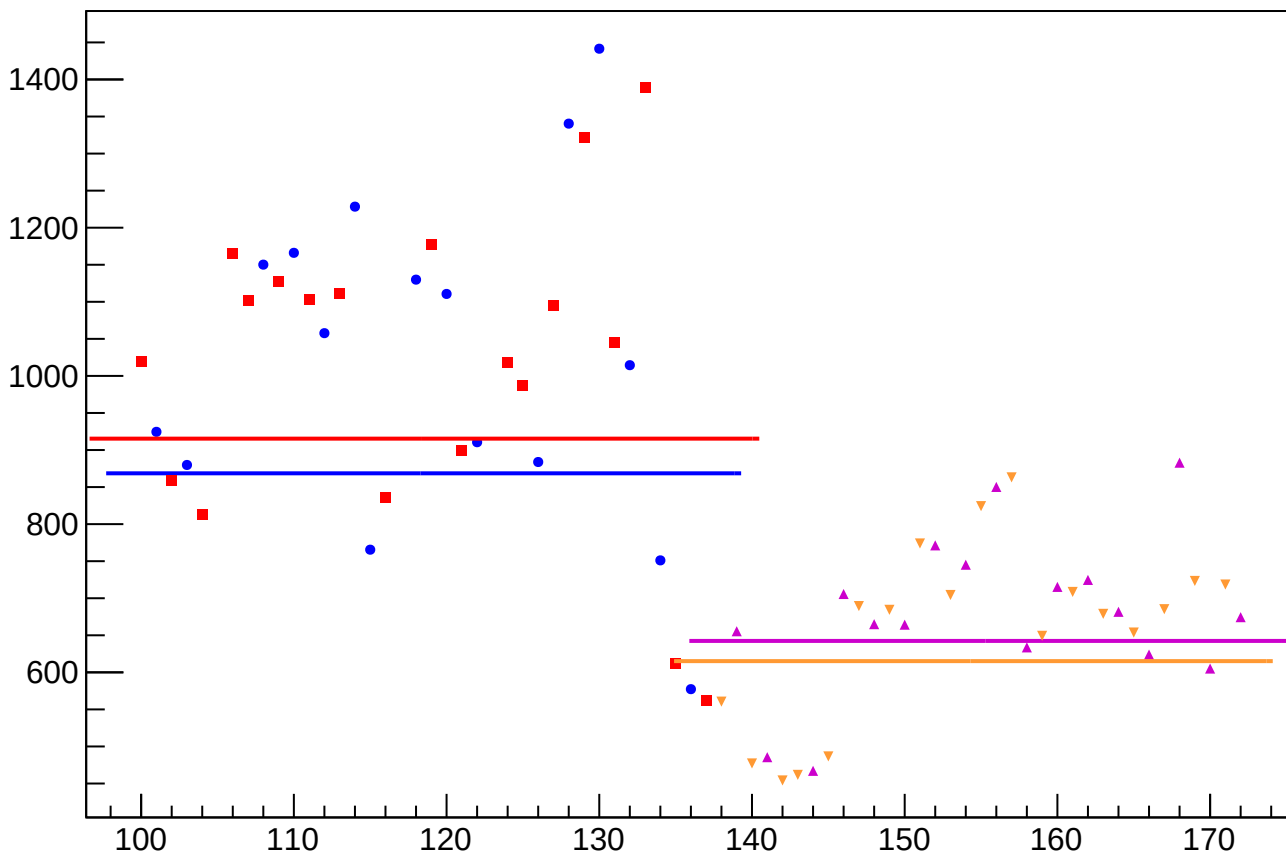
Left In: 9.587 $\pm$ 174.399 χ^2/NDF : 23.6/16

+ sign 531.356 $\pm$ 149.552 χ^2/NDF : 51.4/33

All: 331.654 $\pm$ 107.872 χ^2/NDF : 96.1/69

- sign 115.074 $\pm$ 155.744 χ^2/NDF : 41.0/35

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 868.570 $\pm$ 0.238 χ^2 /NDF: 1021337.1/15

Left Out: 615.148 $\pm$ 0.118 χ^2 /NDF: 1065099.4/17

Right Out: 915.358 $\pm$ 0.245 χ^2 /NDF: 858906.3/18

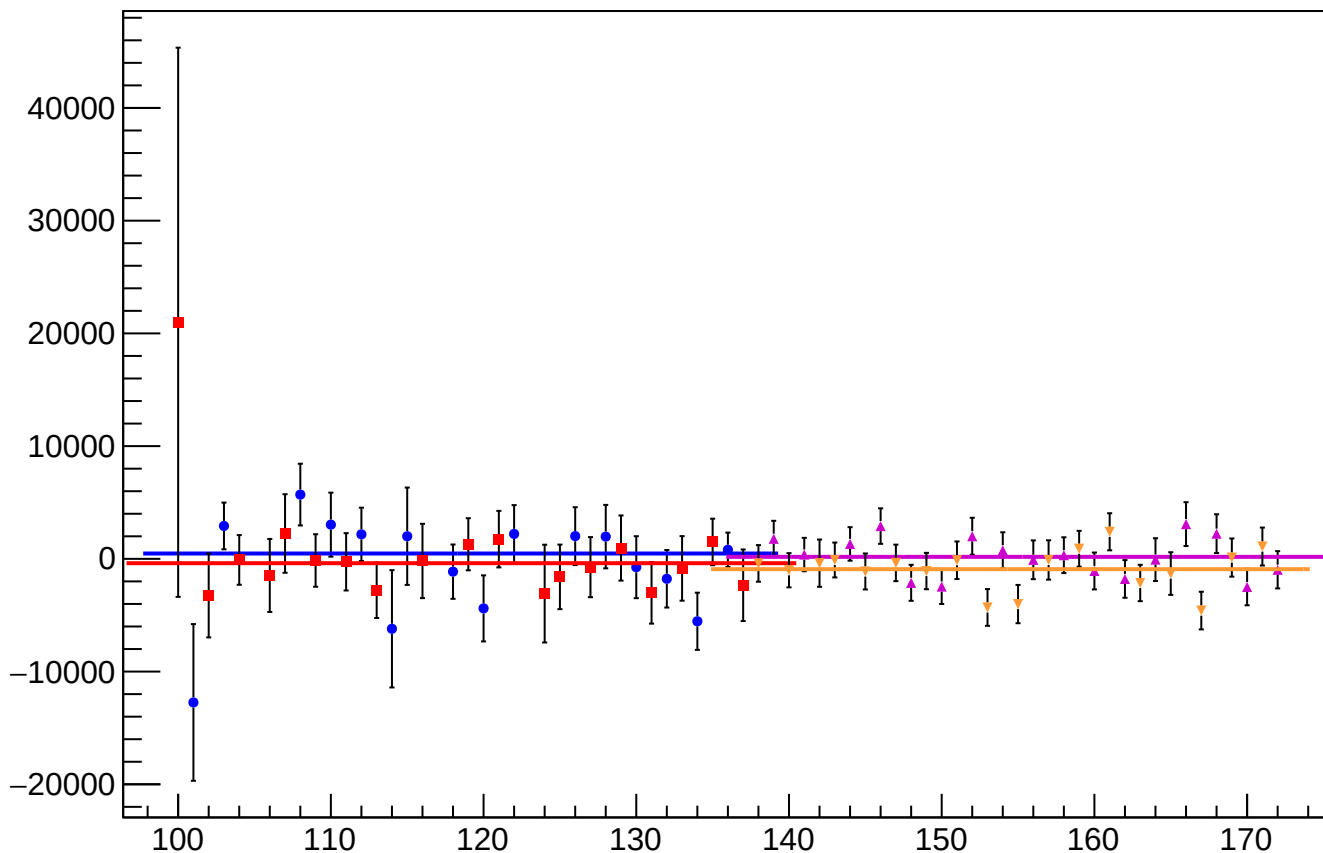
Left In: 642.412 $\pm$ 0.123 χ^2 /NDF: 813553.1/16

+ sign 665.199 $\pm$ 0.106 χ^2 /NDF: 2996647.6/33

All: 680.782 $\pm$ 0.076 χ^2 /NDF: 5706353.9/69

- sign 697.682 $\pm$ 0.110 χ^2 /NDF: 2664441.5/35

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

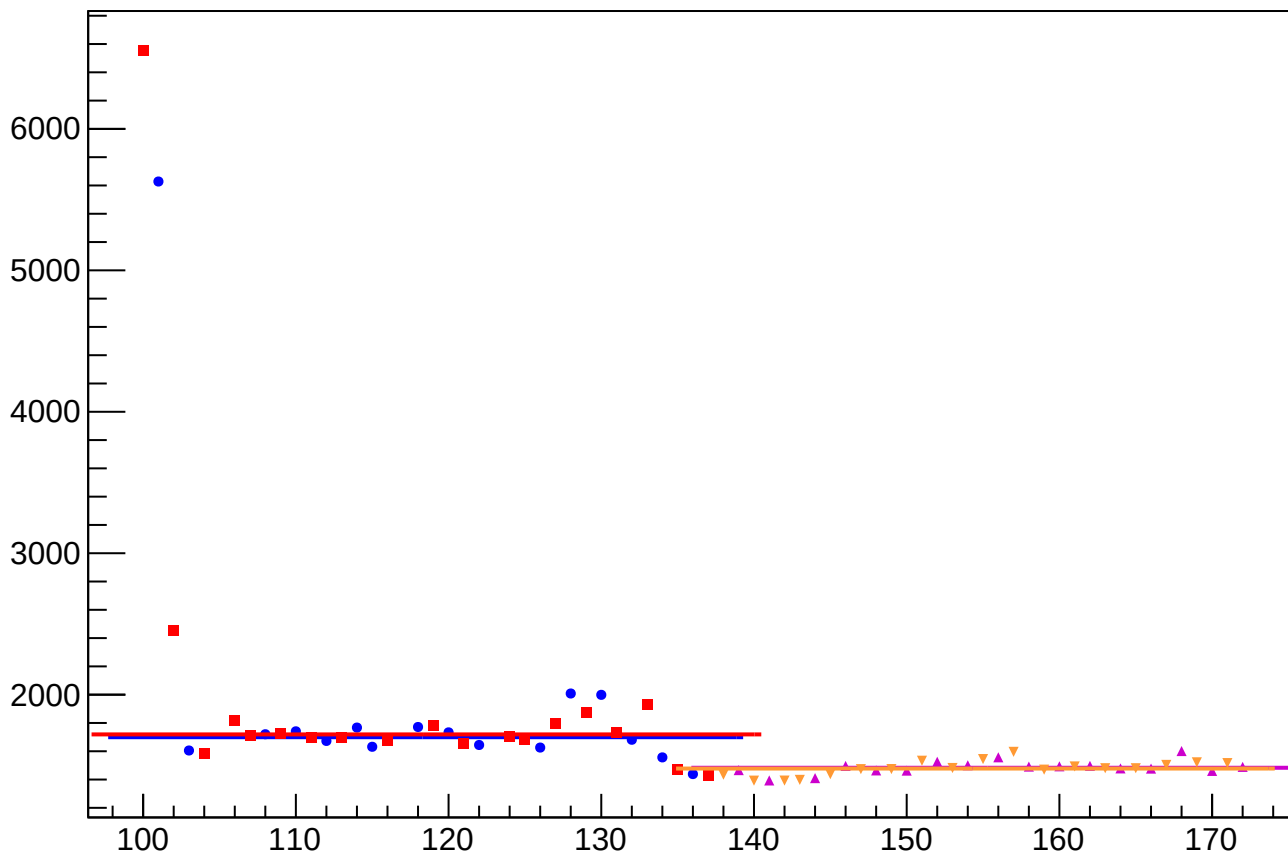
Left In: 177.497+/-396.156 χ^2/NDF : 19.9/16

+ sign -544.862+/-335.345 χ^2/NDF : 47.4/33

All: -262.724+/-237.755 χ^2/NDF : 76.5/69

- sign 22.436+/-337.136 χ^2/NDF : 27.7/35

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

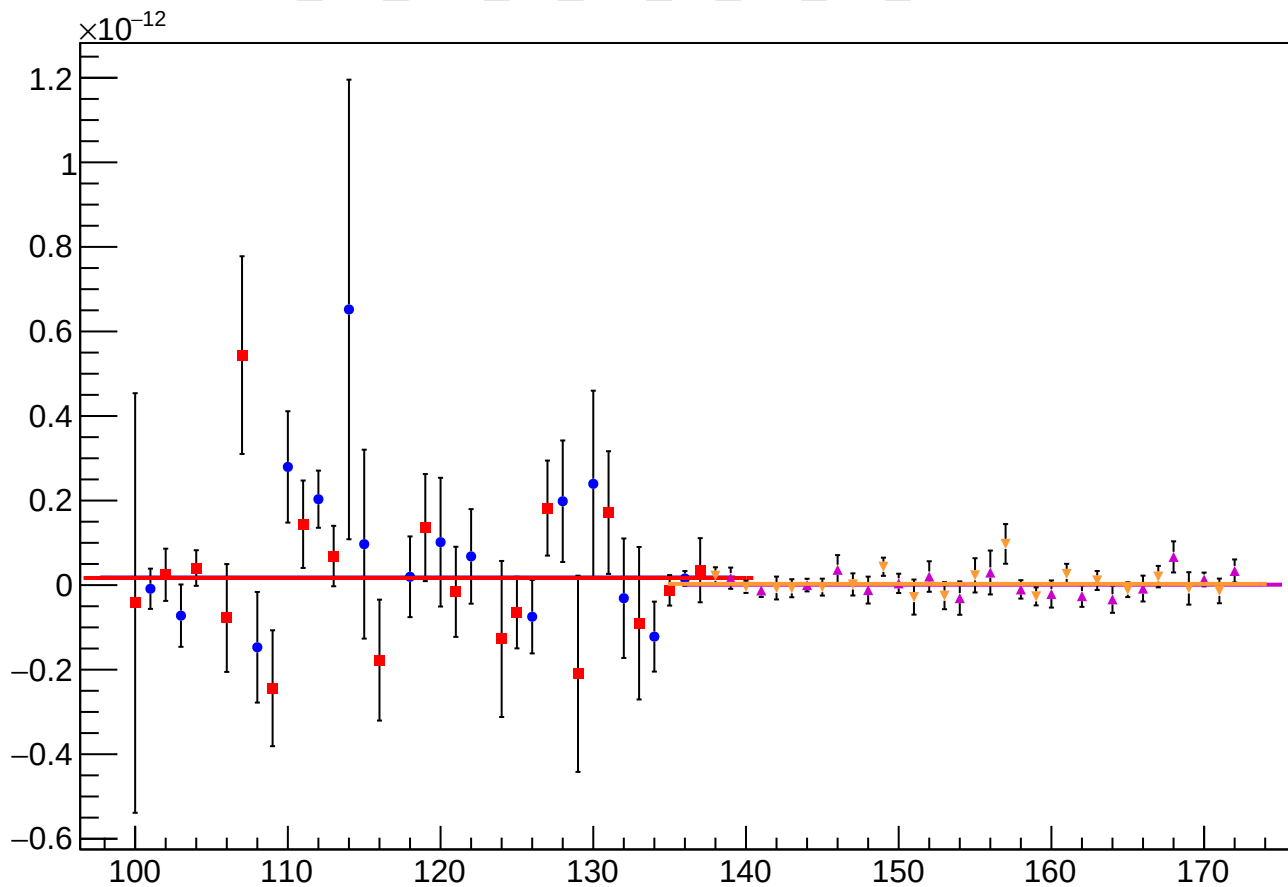
Left In: 1483.250+/-0.280 χ^2/NDF : 28541.1/16

+ sign 1536.864+/-0.237 χ^2/NDF : 968168.2/33

All: 1542.547+/-0.168 χ^2/NDF : 1427107.7/69

- sign 1548.291+/-0.238 χ^2/NDF : 457784.7/35

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.3/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.3/18

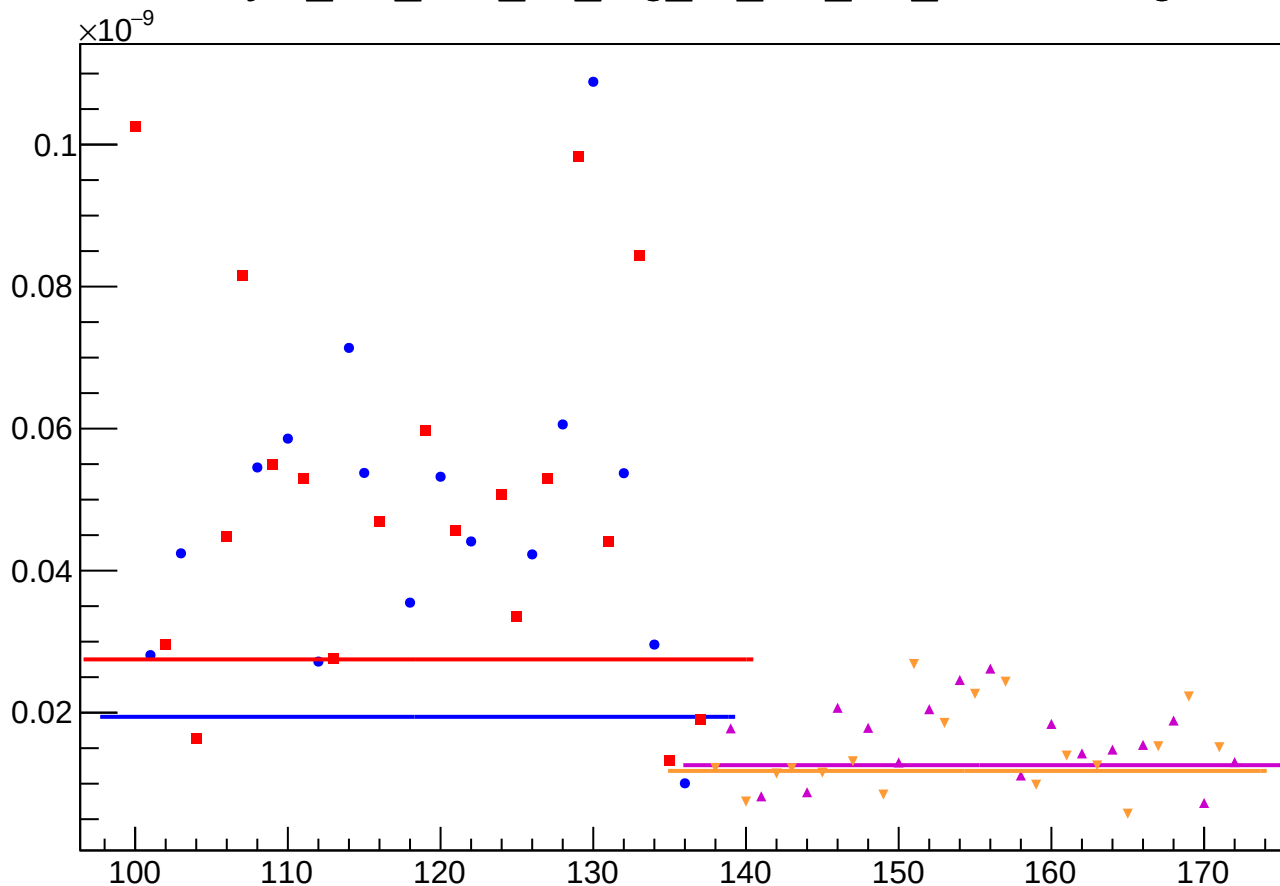
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.8/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.9/35

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2274412.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1360606.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1650144.8/18

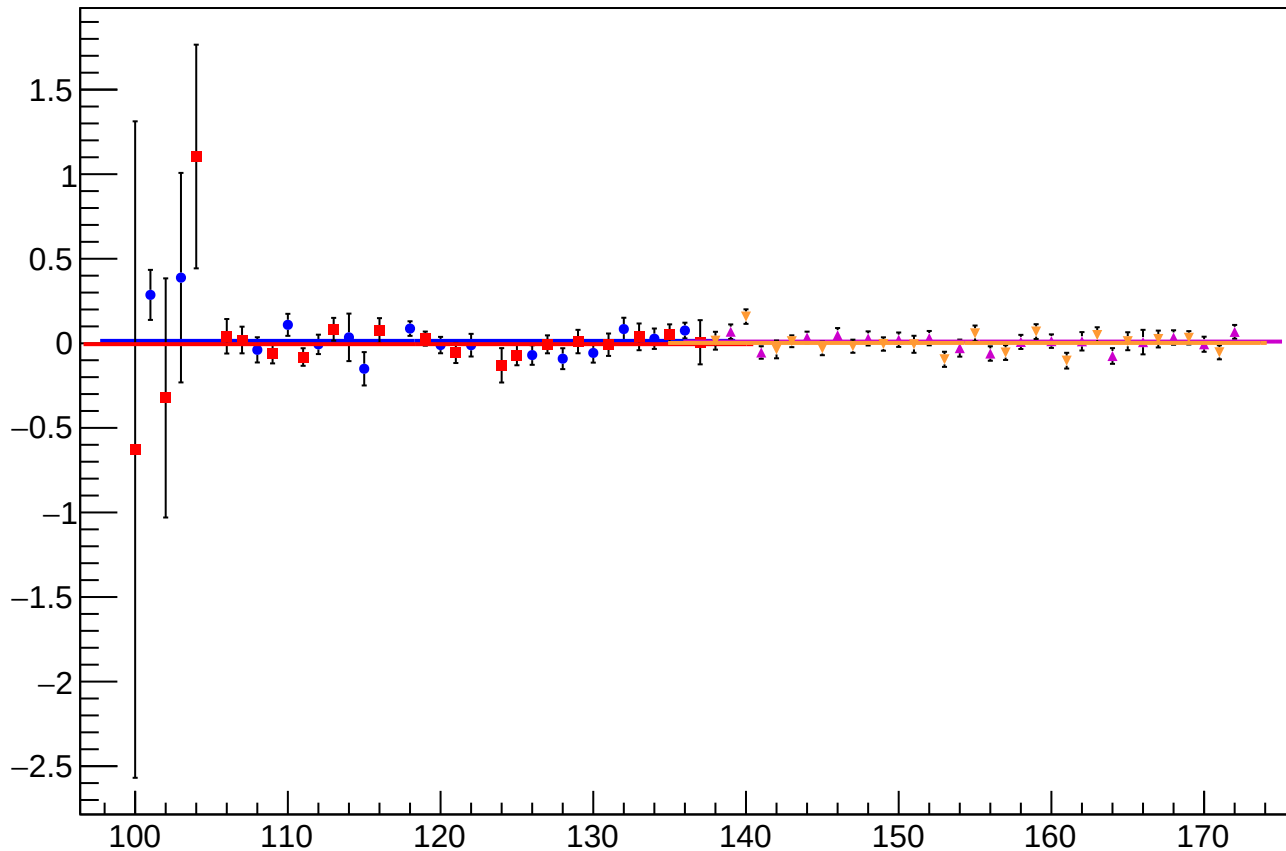
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1337674.6/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4123247.5/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8262355.5/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4096177.4/35

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

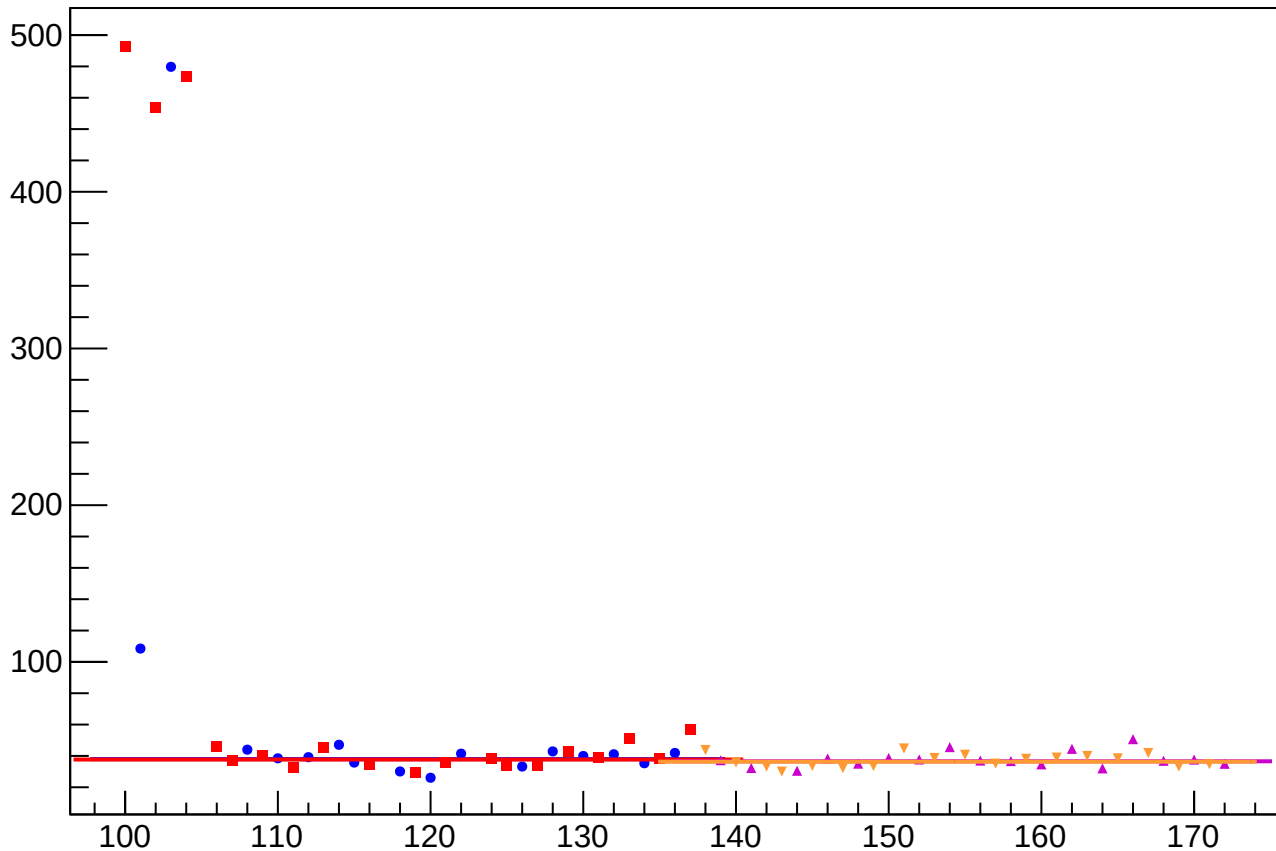
Left In: 0.010 ± 0.010 χ^2/NDF : 15.8/16

+ sign 0.006 ± 0.009 χ^2/NDF : 56.1/33

All: 0.006 ± 0.006 χ^2/NDF : 87.4/69

- sign 0.006 ± 0.009 χ^2/NDF : 31.3/35

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739669.4/15

Left Out: 36.305 $\pm$ 0.007 χ^2 /NDF: 300691.5/17

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

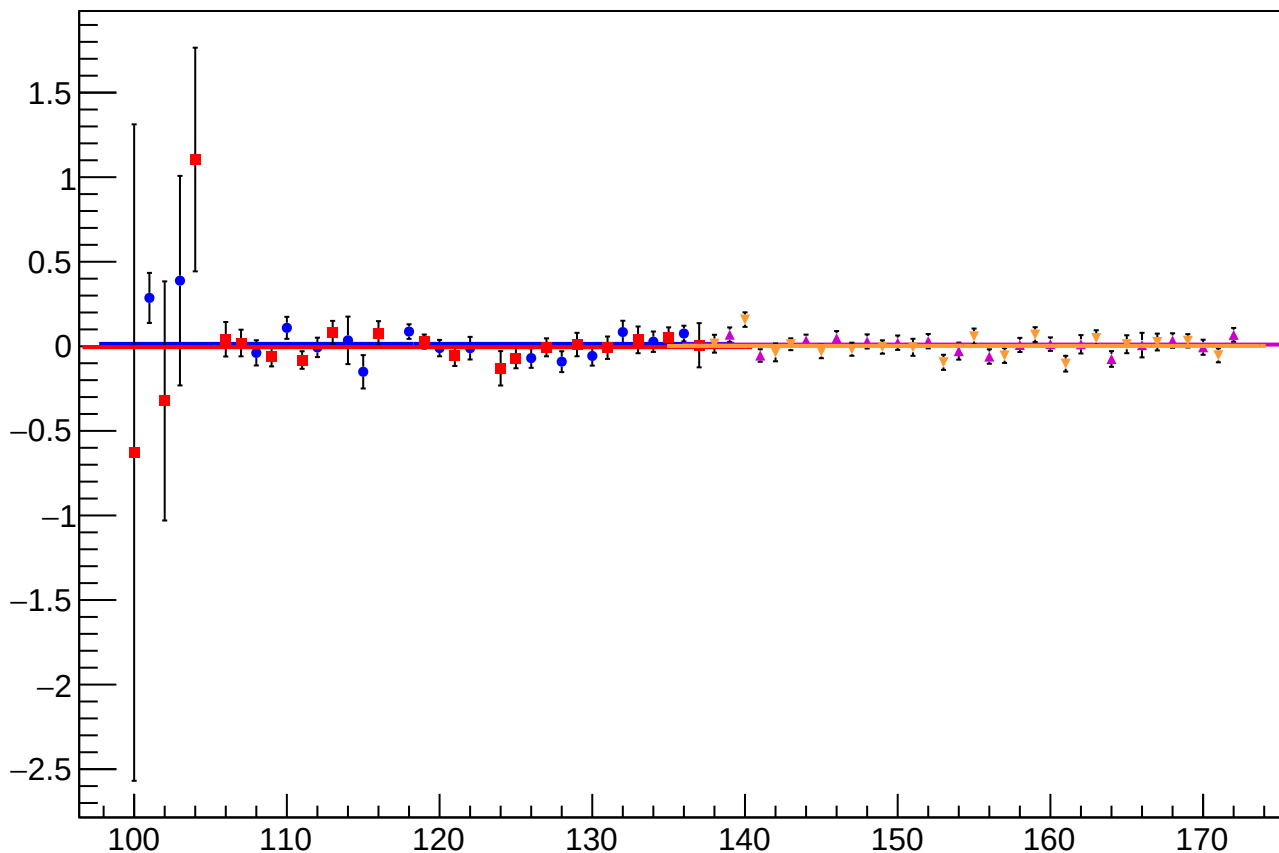
Left In: 36.560 $\pm$ 0.007 χ^2 /NDF: 312350.1/16

+ sign 36.791 $\pm$ 0.006 χ^2 /NDF: 2055210.4/33

All: 36.845 $\pm$ 0.004 χ^2 /NDF: 4319618.3/69

- sign 36.899 $\pm$ 0.006 χ^2 /NDF: 2264255.0/35

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.002 $\pm$ 0.010 χ^2 /NDF:33.7/17

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

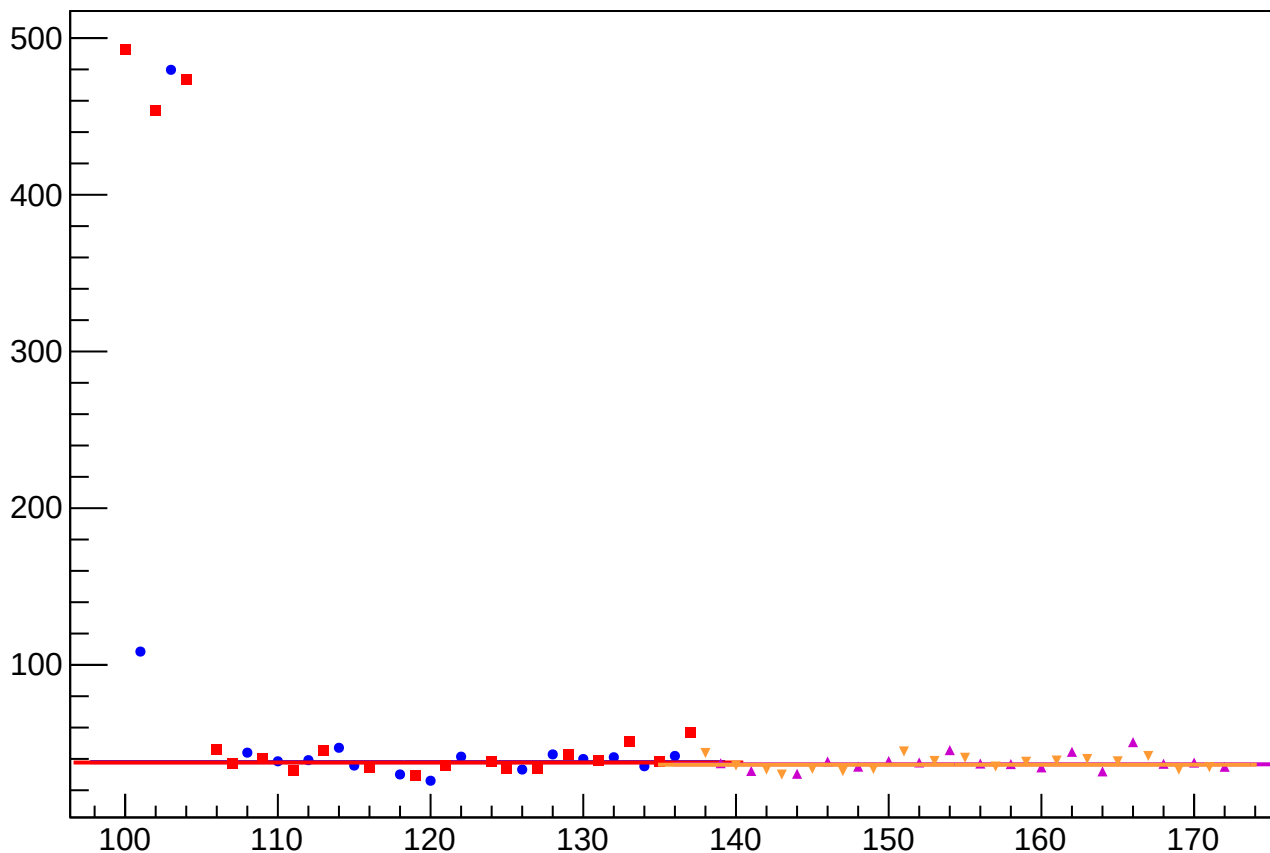
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:15.8/16

+ sign 0.006 $\pm$ 0.009 χ^2 /NDF: 56.1/33

All: 0.006 $\pm$ 0.006 χ^2 /NDF: 87.4/69

- sign 0.006 $\pm$ 0.009 χ^2 /NDF: 31.3/35

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739669.4/15

Left Out: 36.305 $\pm$ 0.007 χ^2 /NDF:300691.5/17

Right Out: 37.696 $\pm$ 0.011 χ^2 /NDF: 1944881.8/18

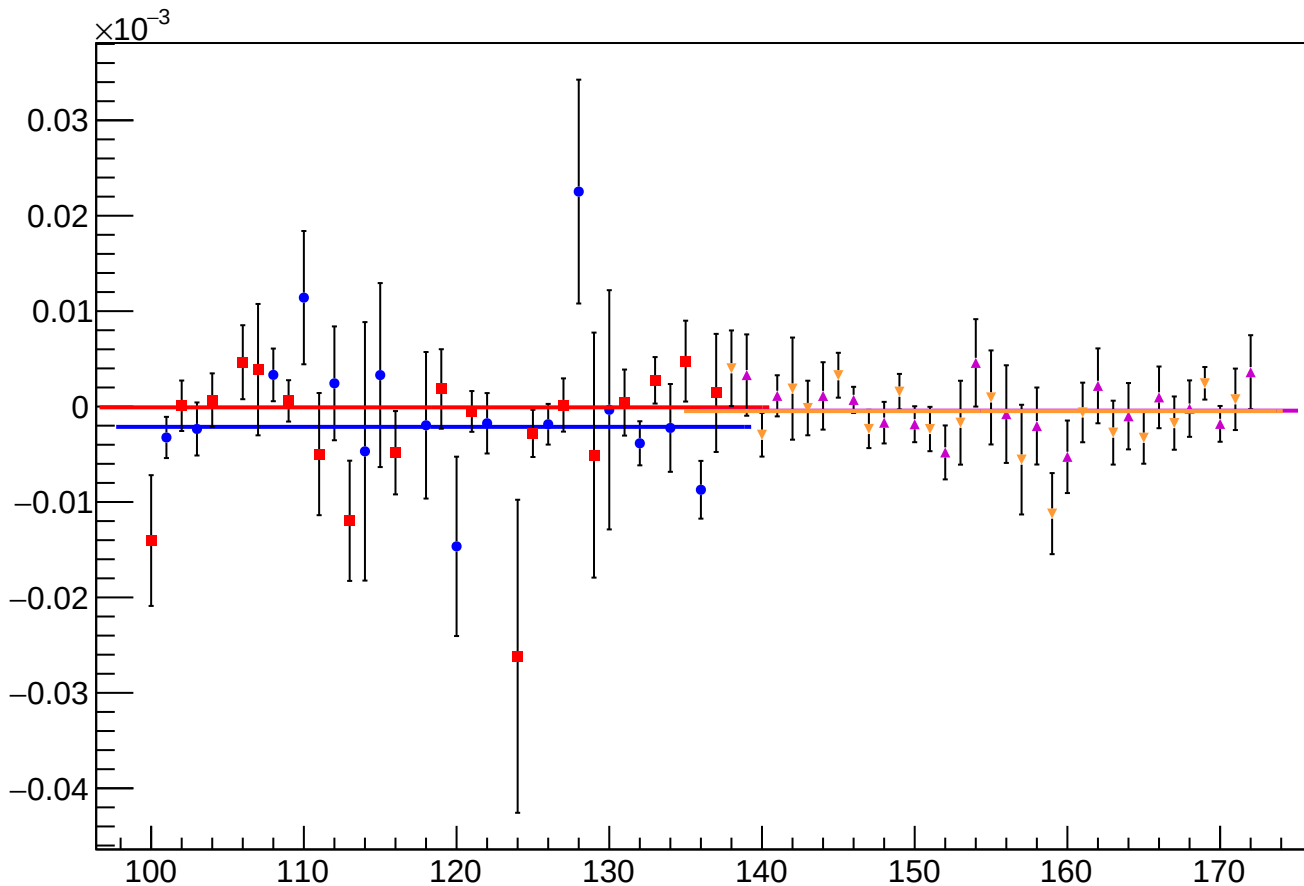
Left In: 36.560 $\pm$ 0.007 χ^2 /NDF:312350.1/16

+ sign 36.791 $\pm$ 0.006 χ^2 /NDF: 2055210.4/33

All: 36.845 $\pm$ 0.004 χ^2 /NDF: 4319618.3/69

- sign 36.899 $\pm$ 0.006 χ^2 /NDF: 2264255.0/35

asym_usr_atr1_dd_eigen_dit_vs_dit_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 : 20.1/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.4/18

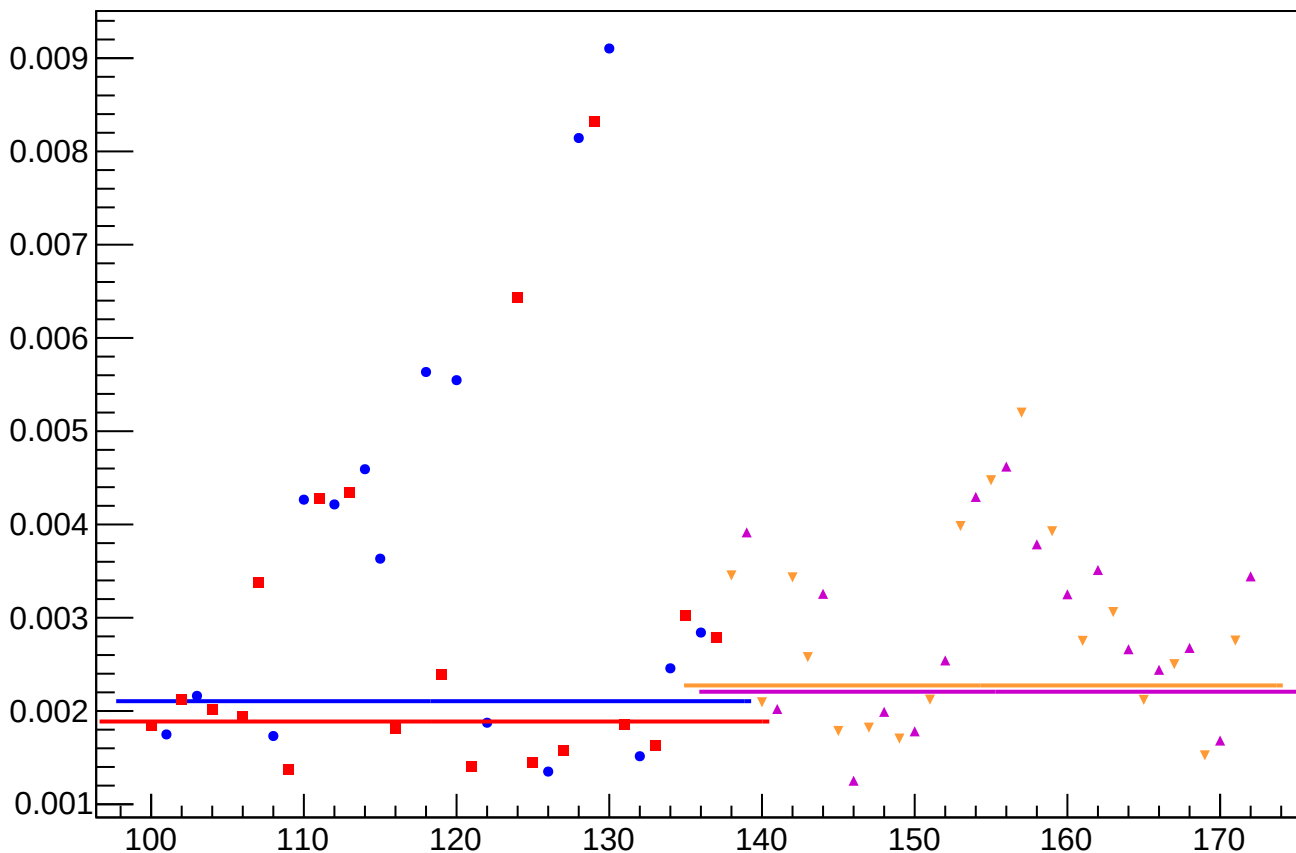
Left In: -0.000 ± 0.000 χ^2/NDF : 10.7/16

+ sign -0.000 ± 0.000 χ^2/NDF : 42.7/33

All: -0.000 ± 0.000 χ^2/NDF : 73.0/69

- sign -0.000 ± 0.000 χ^2/NDF : 29.2/35

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 $\chi^2/\text{NDF}: 3017568.9/15$

Left Out: 0.002+/-0.000 $\chi^2/\text{NDF}: 2819610.2/17$

Right Out: 0.002+/-0.000 $\chi^2/\text{NDF}: 1892000.0/18$

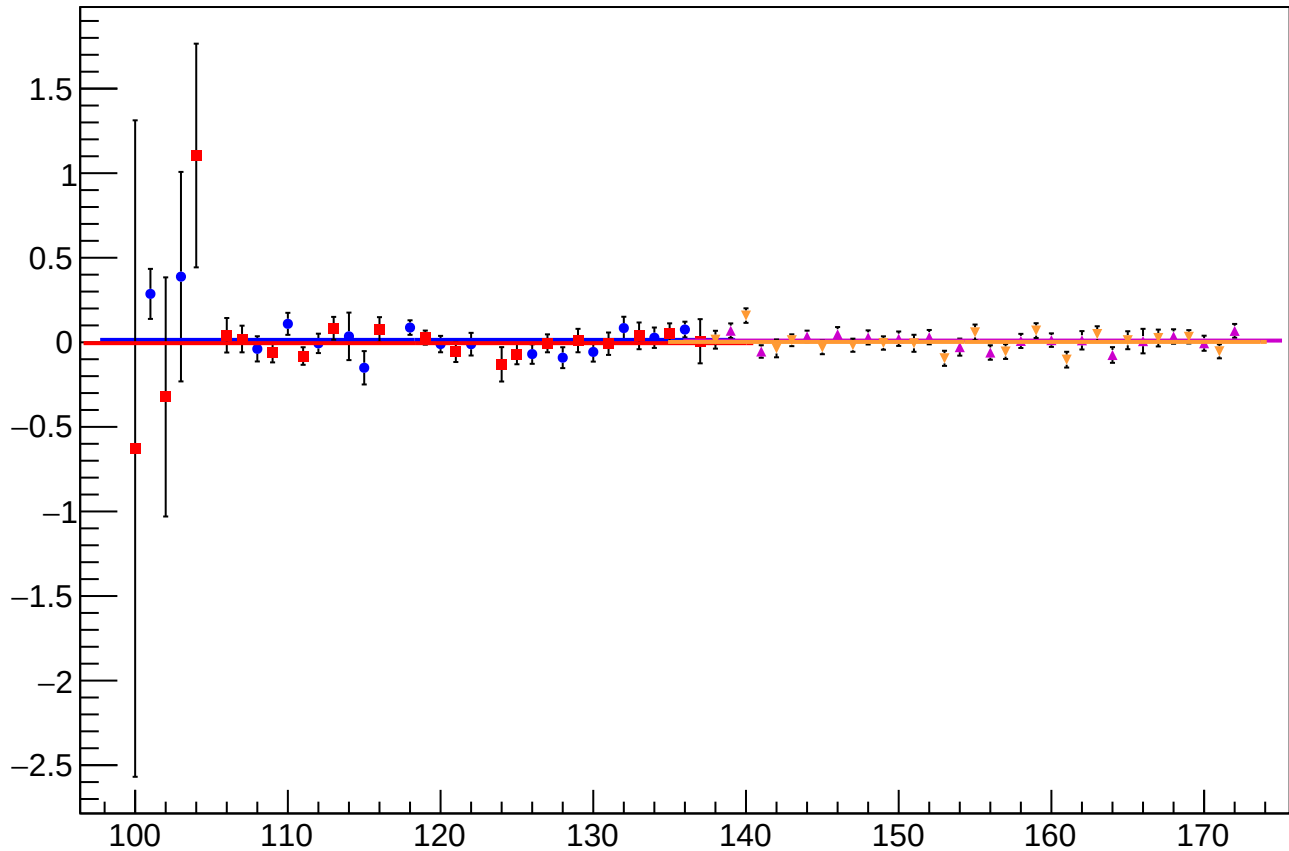
Left In: 0.002+/-0.000 $\chi^2/\text{NDF}: 3629734.8/16$

+ sign 0.002+/-0.000 $\chi^2/\text{NDF}: 5883869.9/33$

All: 0.002+/-0.000 $\chi^2/\text{NDF}: 11674374.9/69$

- sign 0.002+/-0.000 $\chi^2/\text{NDF}: 5718854.6/35$

asym_usr_atr1_dd_eigen_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

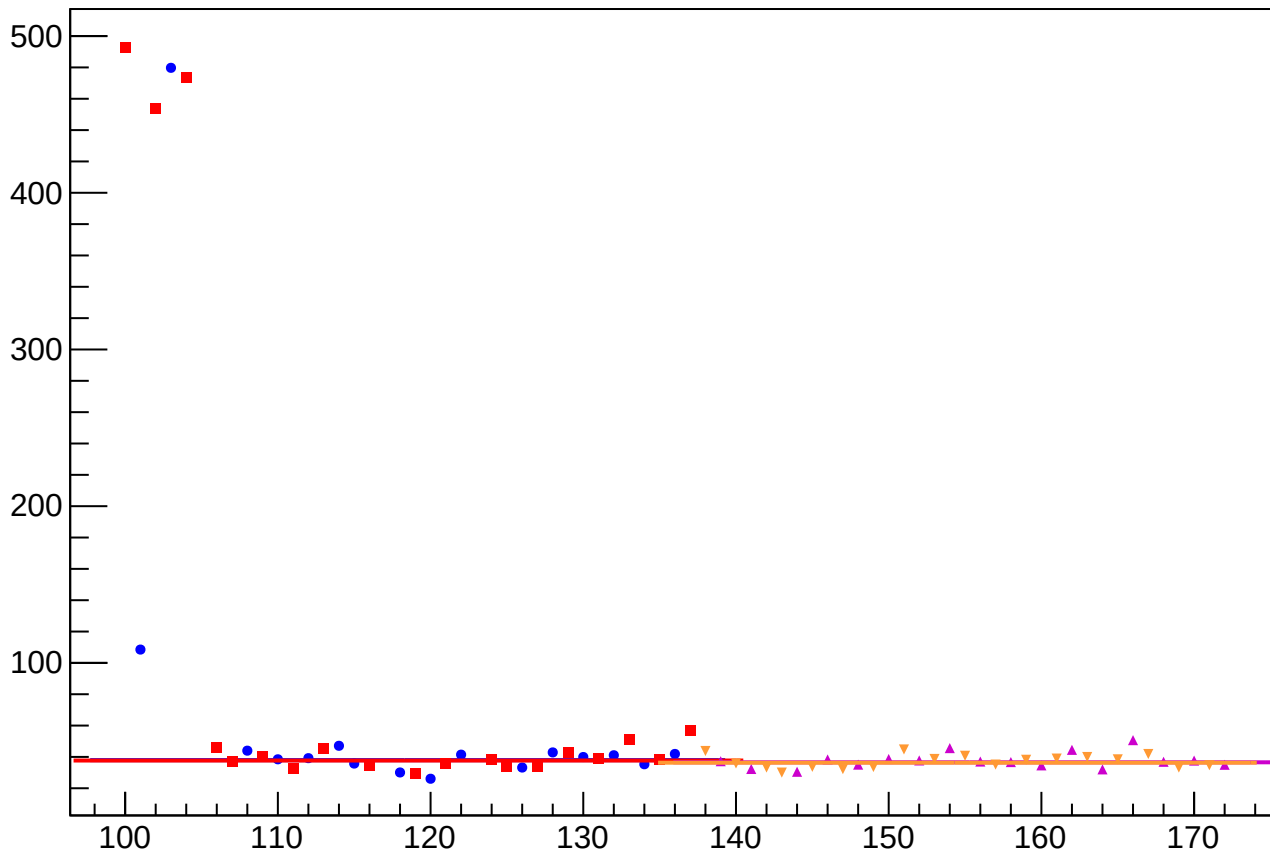
Left In: 0.010 ± 0.010 χ^2/NDF : 15.8/16

+ sign 0.006 ± 0.009 χ^2/NDF : 56.1/33

All: 0.006 ± 0.006 χ^2/NDF : 87.4/69

- sign 0.006 ± 0.009 χ^2/NDF : 31.3/35

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739681.1/15

Left Out: 36.305 $\pm$ 0.007 χ^2 /NDF: 300746.8/17

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

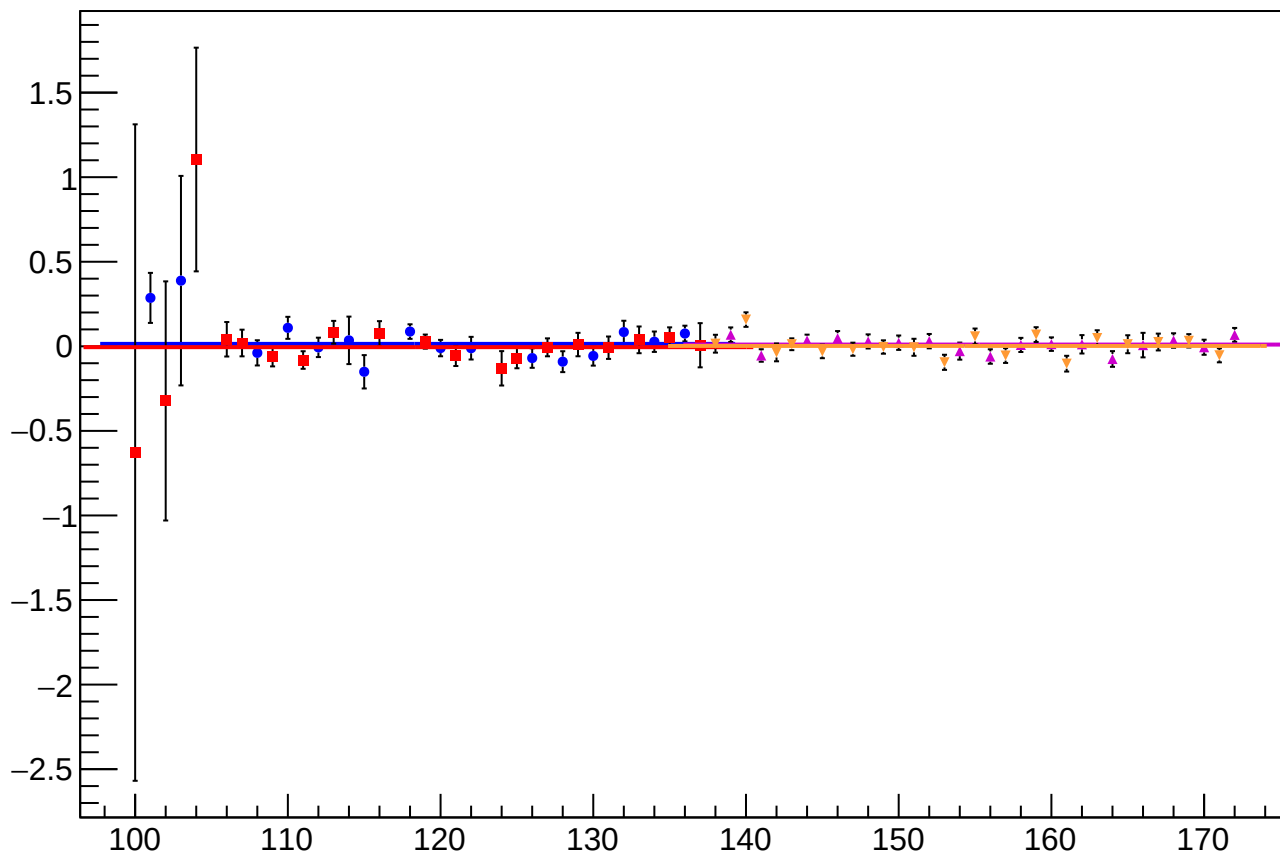
Left In: 36.560 $\pm$ 0.007 χ^2 /NDF: 312386.2/16

+ sign 36.791 $\pm$ 0.006 χ^2 /NDF: 2055271.5/33

All: 36.844 $\pm$ 0.004 χ^2 /NDF: 4319781.6/69

- sign 36.899 $\pm$ 0.006 χ^2 /NDF: 2264358.1/35

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.016 χ^2 /NDF: 22.0/15

Left Out: 0.002 $\pm$ 0.010 χ^2 /NDF:33.7/17

Right Out: -0.005 $\pm$ 0.016 χ^2 /NDF: 14.9/18

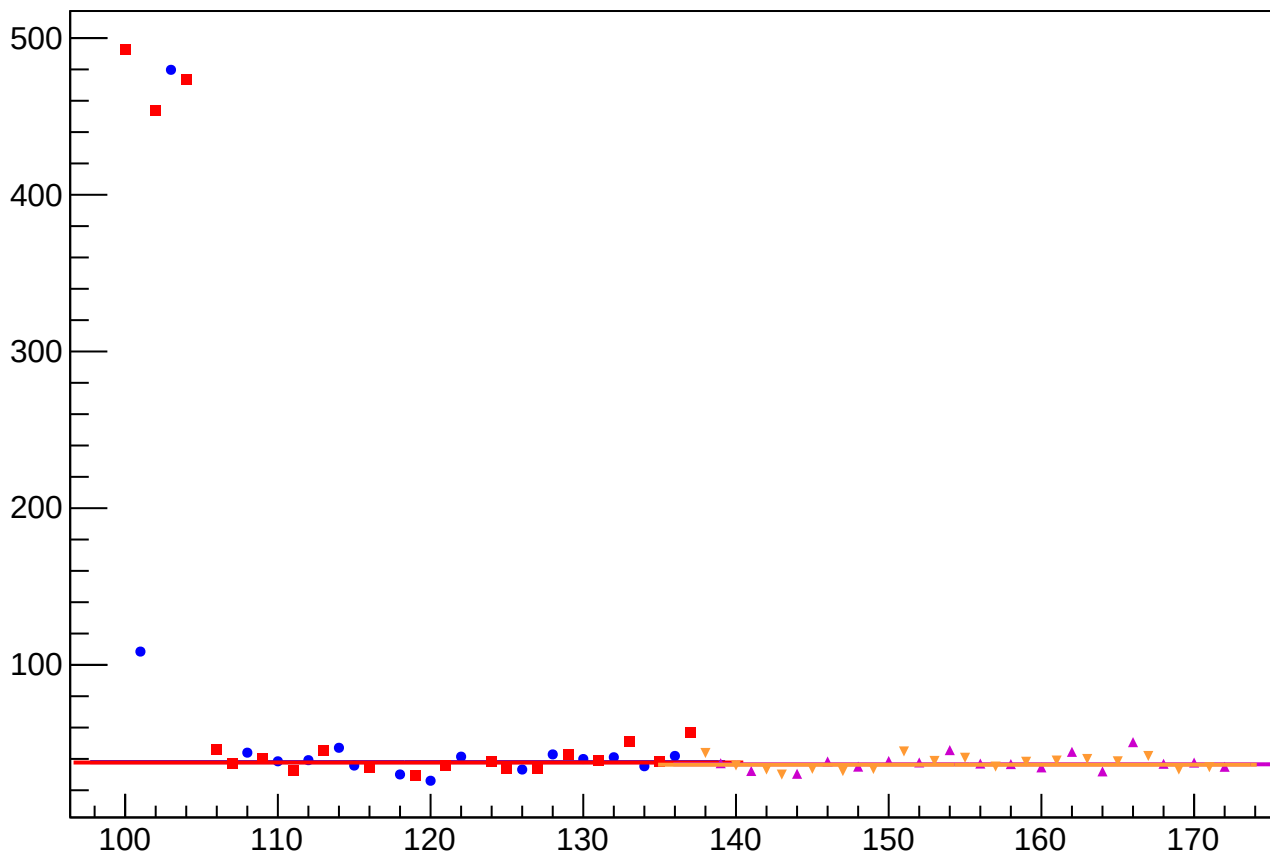
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:15.8/16

+ sign 0.006 $\pm$ 0.009 χ^2 /NDF: 56.1/33

All: 0.006 $\pm$ 0.006 χ^2 /NDF: 87.4/69

- sign 0.006 $\pm$ 0.009 χ^2 /NDF: 31.3/35

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.942 $\pm$ 0.011 χ^2 /NDF: 1739681.1/15

Left Out: 36.305 $\pm$ 0.007 χ^2 /NDF: 300746.8/17

Right Out: 37.695 $\pm$ 0.011 χ^2 /NDF: 1944959.2/18

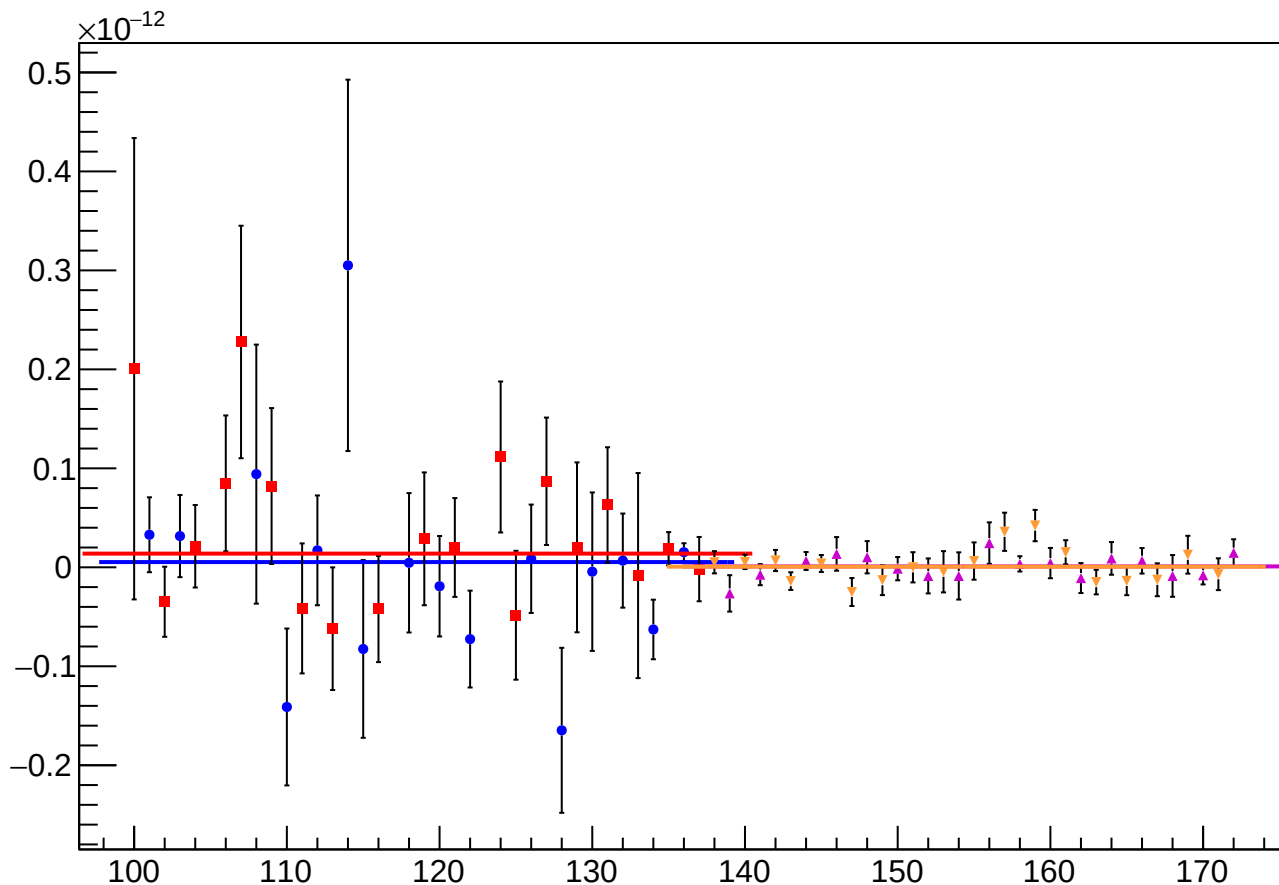
Left In: 36.560 $\pm$ 0.007 χ^2 /NDF: 312386.2/16

+ sign 36.791 $\pm$ 0.006 χ^2 /NDF: 2055271.5/33

All: 36.844 $\pm$ 0.004 χ^2 /NDF: 4319781.6/69

- sign 36.899 $\pm$ 0.006 χ^2 /NDF: 2264358.1/35

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.0/18

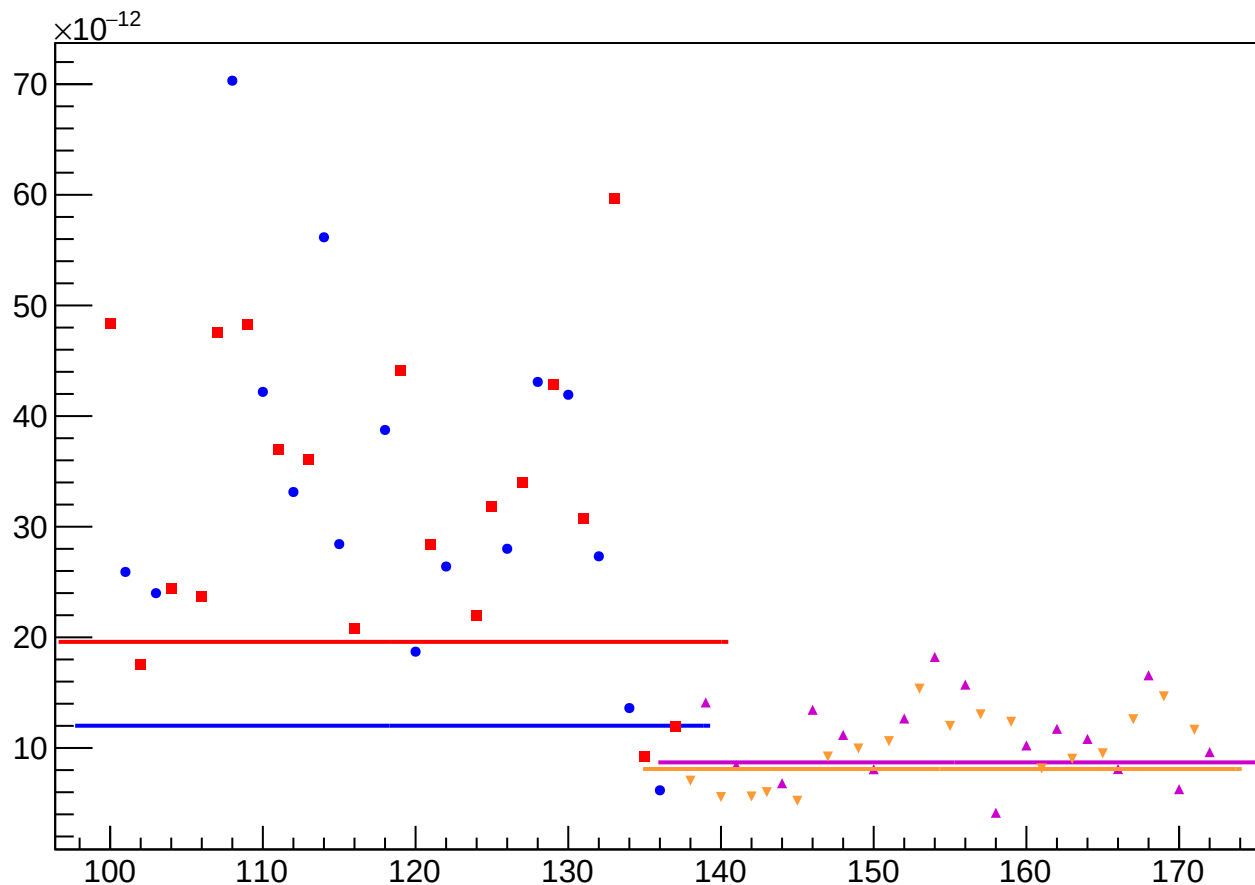
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.5/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 72.1/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/35

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1917092.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2619469.9/18

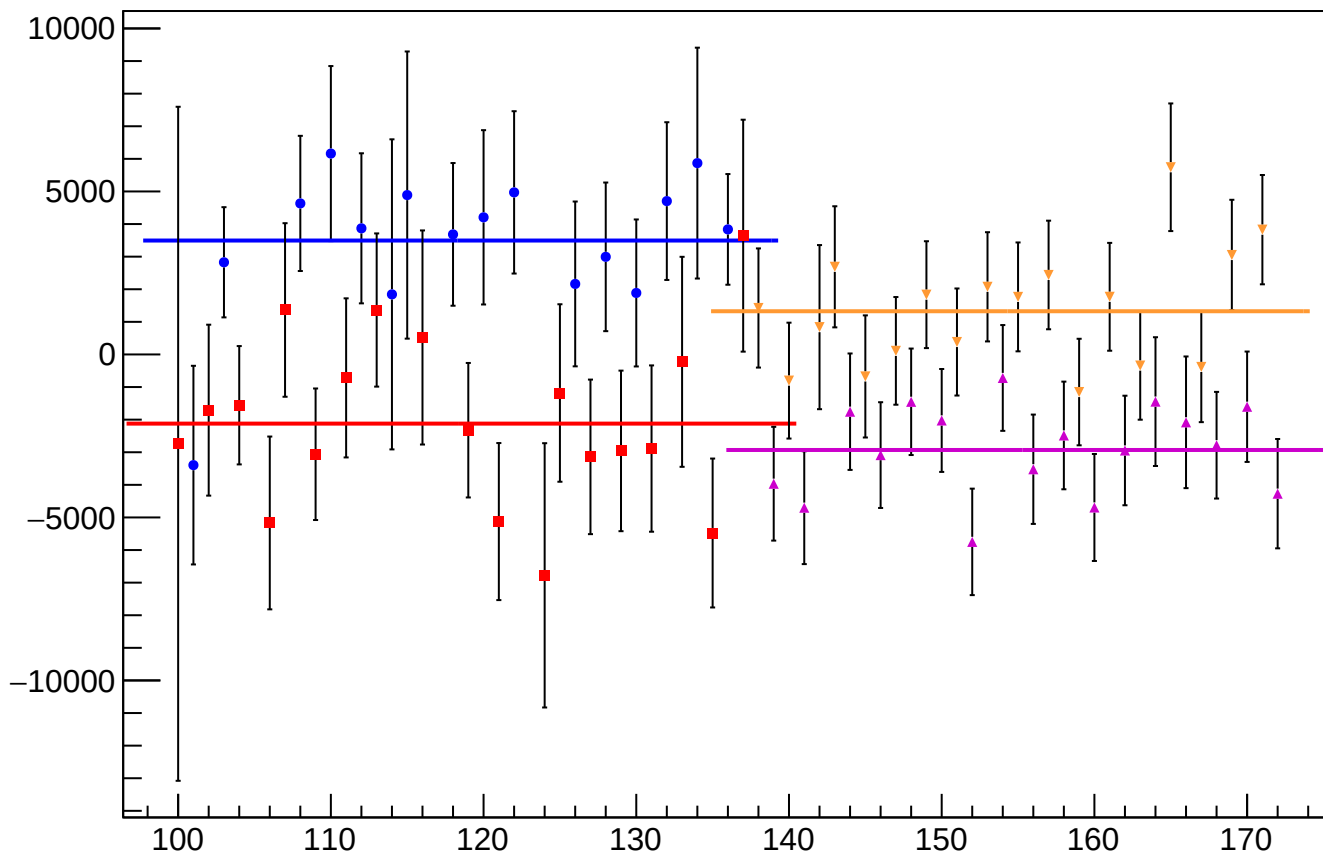
Left In: 0.000+/-0.000 χ^2/NDF : 2369552.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 6251505.2/33

All: 0.000+/-0.000 χ^2/NDF : 13309079.2/69

- sign 0.000+/-0.000 χ^2/NDF : 6942403.7/35

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

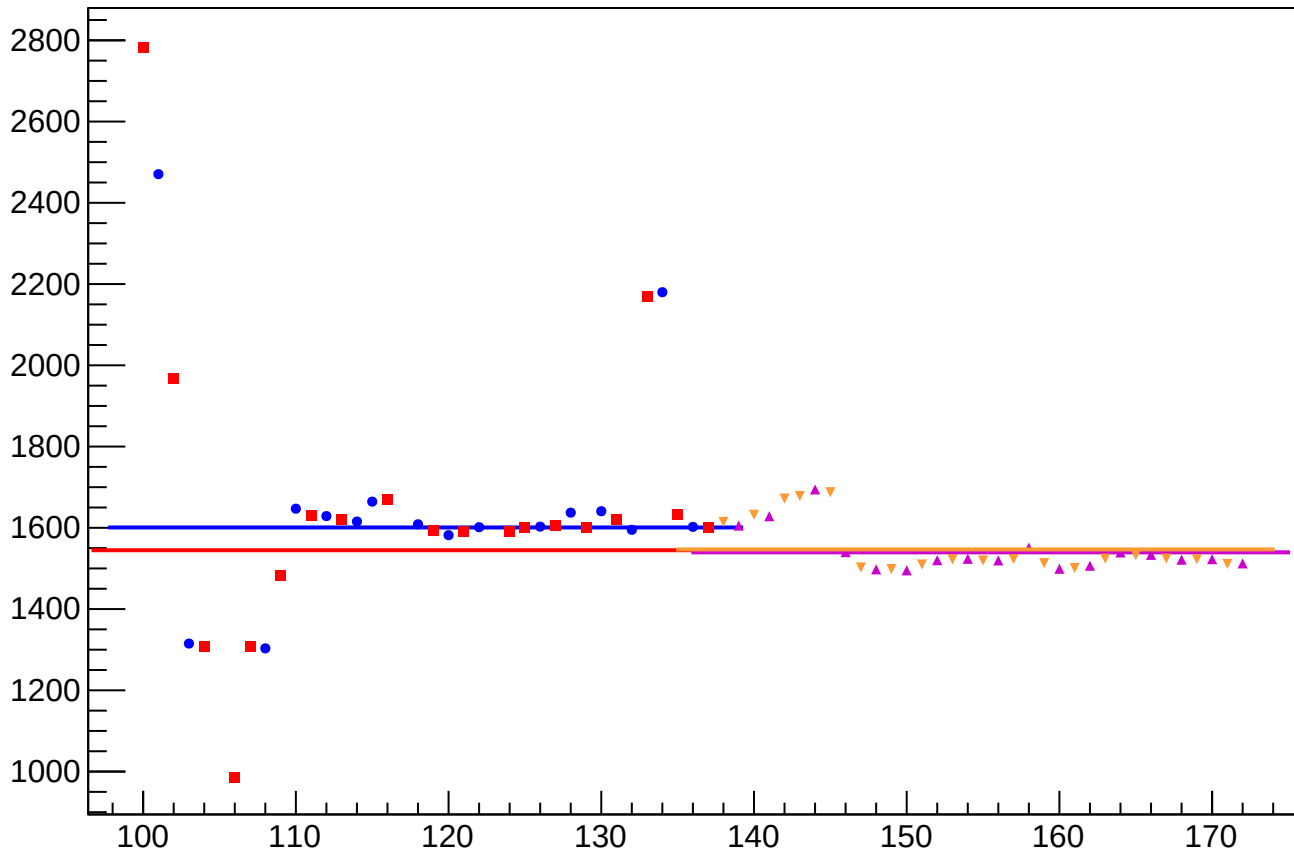
Left In: -2930.539 ± 411.191 χ^2/NDF : 11.2/16

+ sign 2013.780 ± 338.693 χ^2/NDF : 35.3/33

All: -337.872 ± 238.855 χ^2/NDF : 158.7/69

- sign -2664.672 ± 336.899 χ^2/NDF : 27.5/35

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

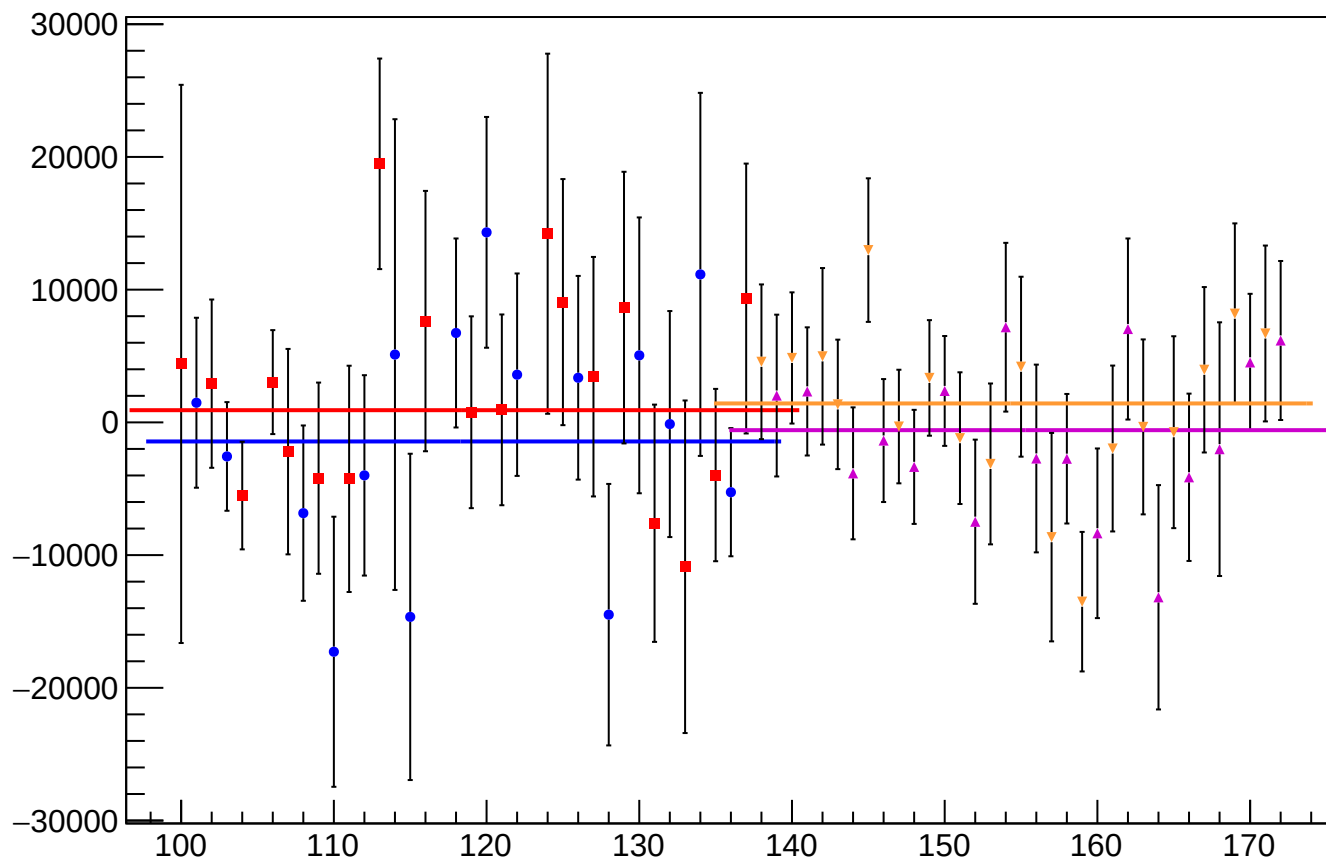
Left In: 1539.629+/-0.291 χ^2/NDF : 29850.6/16

+ sign 1563.958+/-0.239 χ^2/NDF : 372139.0/33

All: 1552.541+/-0.168 χ^2/NDF : 782719.9/69

- sign 1541.370+/-0.237 χ^2/NDF : 406084.7/35

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1437.118 $\pm$ 1848.287 χ^2 /NDF: 13.9/15

Left Out: 1426.542 $\pm$ 1340.556 χ^2 /NDF:19.0/17

Right Out: 918.485 $\pm$ 1669.278 χ^2 /NDF: 15.3/18

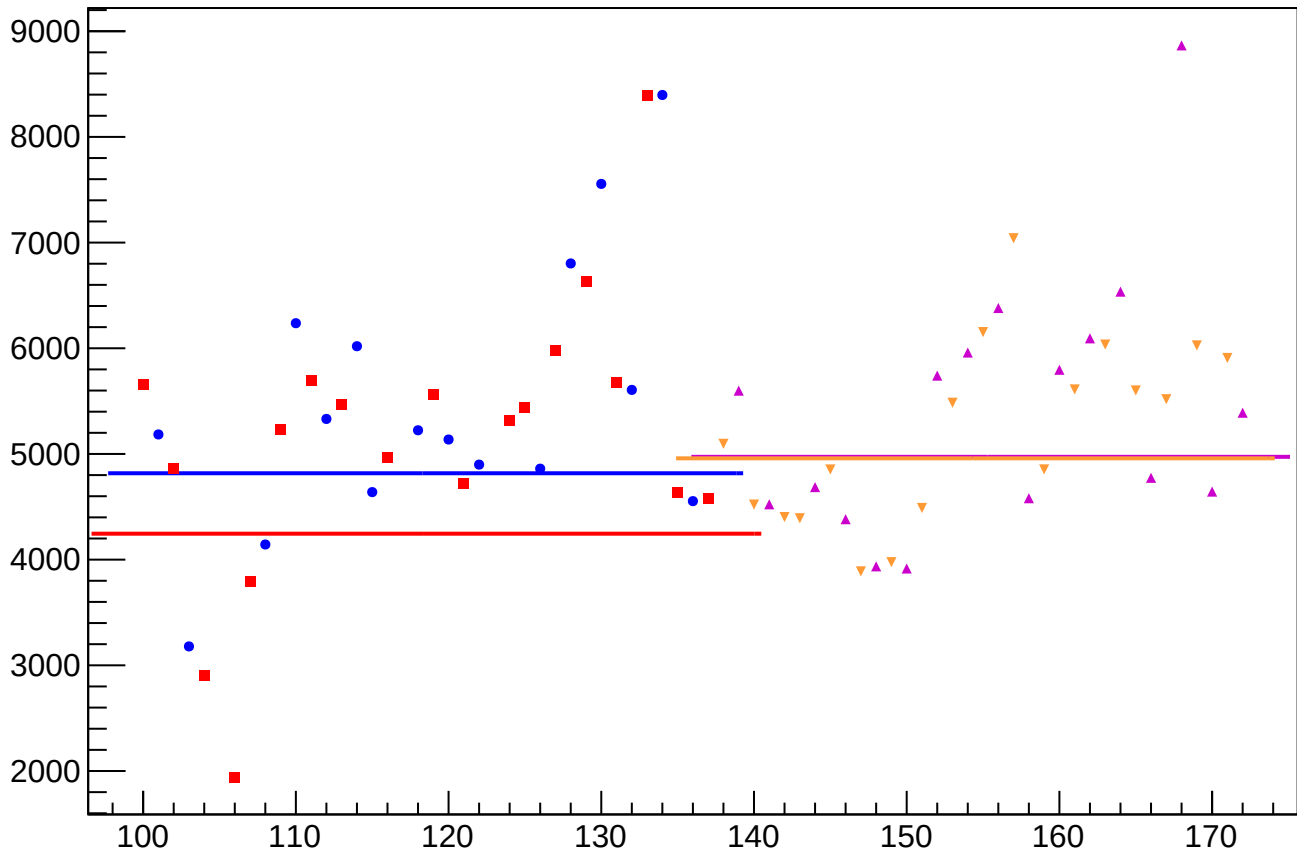
Left In: -586.301 $\pm$ 1356.231 χ^2 /NDF:12.5/16

+ sign 439.394 $\pm$ 1085.175 χ^2 /NDF: 34.4/33

All: 219.209 $\pm$ 755.557 χ^2 /NDF: 62.8/69

- sign 12.042 $\pm$ 1052.607 χ^2 /NDF: 28.3/35

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

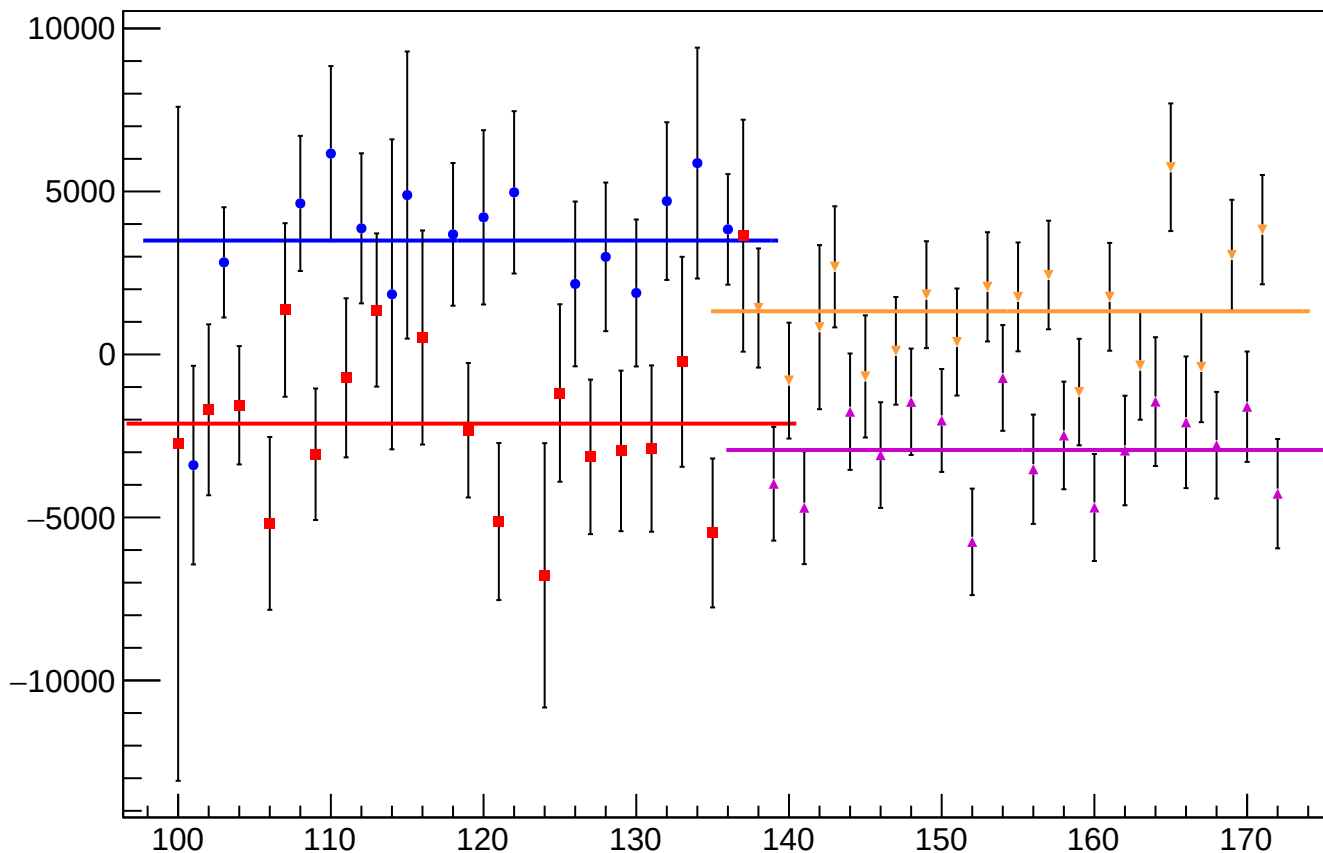
Left In: 4972.834+/-0.959 χ^2/NDF : 1002766.9/16

+ sign 4909.934+/-0.767 χ^2/NDF : 1522591.7/33

All: 4793.340+/-0.534 χ^2/NDF : 4482028.6/69

- sign 4683.640+/-0.744 χ^2/NDF : 2914626.3/35

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

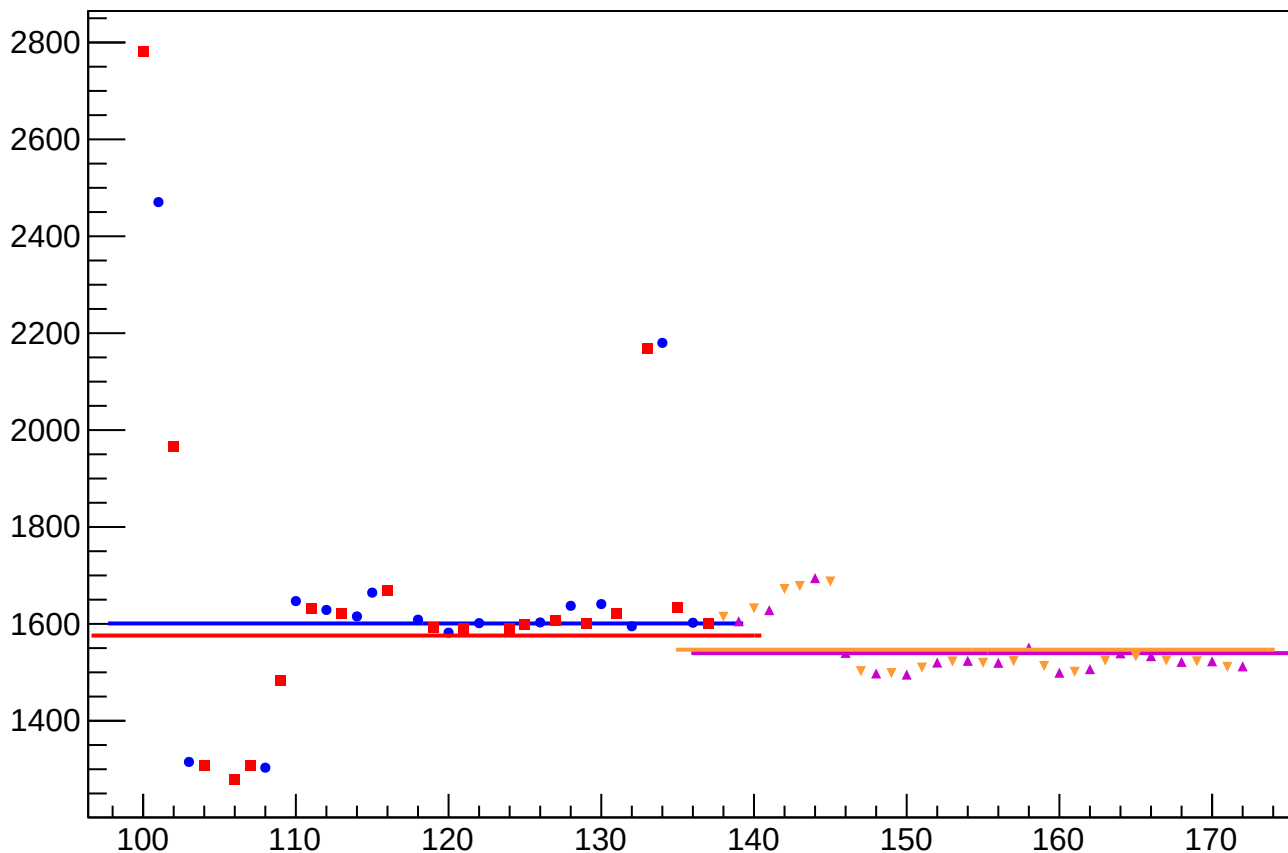
Left In: -2930.480 ± 411.191 χ^2/NDF : 11.2/16

+ sign 2013.572 ± 338.693 χ^2/NDF : 35.3/33

All: -337.951 ± 238.855 χ^2/NDF : 158.7/69

- sign -2664.632 ± 336.899 χ^2/NDF : 27.5/35

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

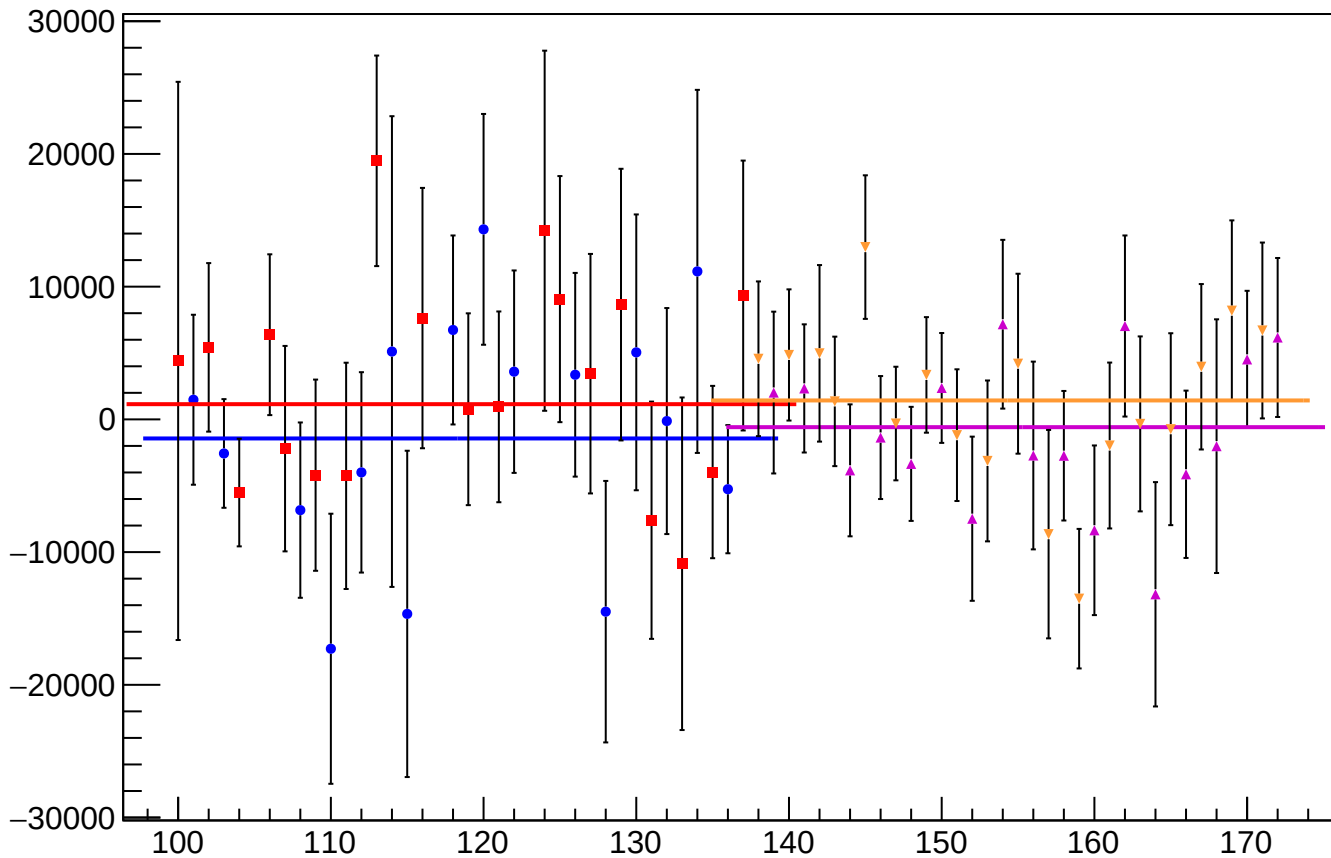
Left In: 1539.629+/-0.291 χ^2/NDF : 29850.6/16

+ sign 1563.958+/-0.239 χ^2/NDF : 372138.3/33

All: 1557.746+/-0.169 χ^2/NDF : 651800.2/69

- sign 1551.615+/-0.238 χ^2/NDF : 278325.0/35

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1437.362 $\pm$ 1848.324 χ^2 /NDF: 13.9/15

Left Out: 1426.513 $\pm$ 1340.553 χ^2 /NDF:19.0/17

Right Out: 1146.174 $\pm$ 1765.384 χ^2 /NDF: 16.3/18

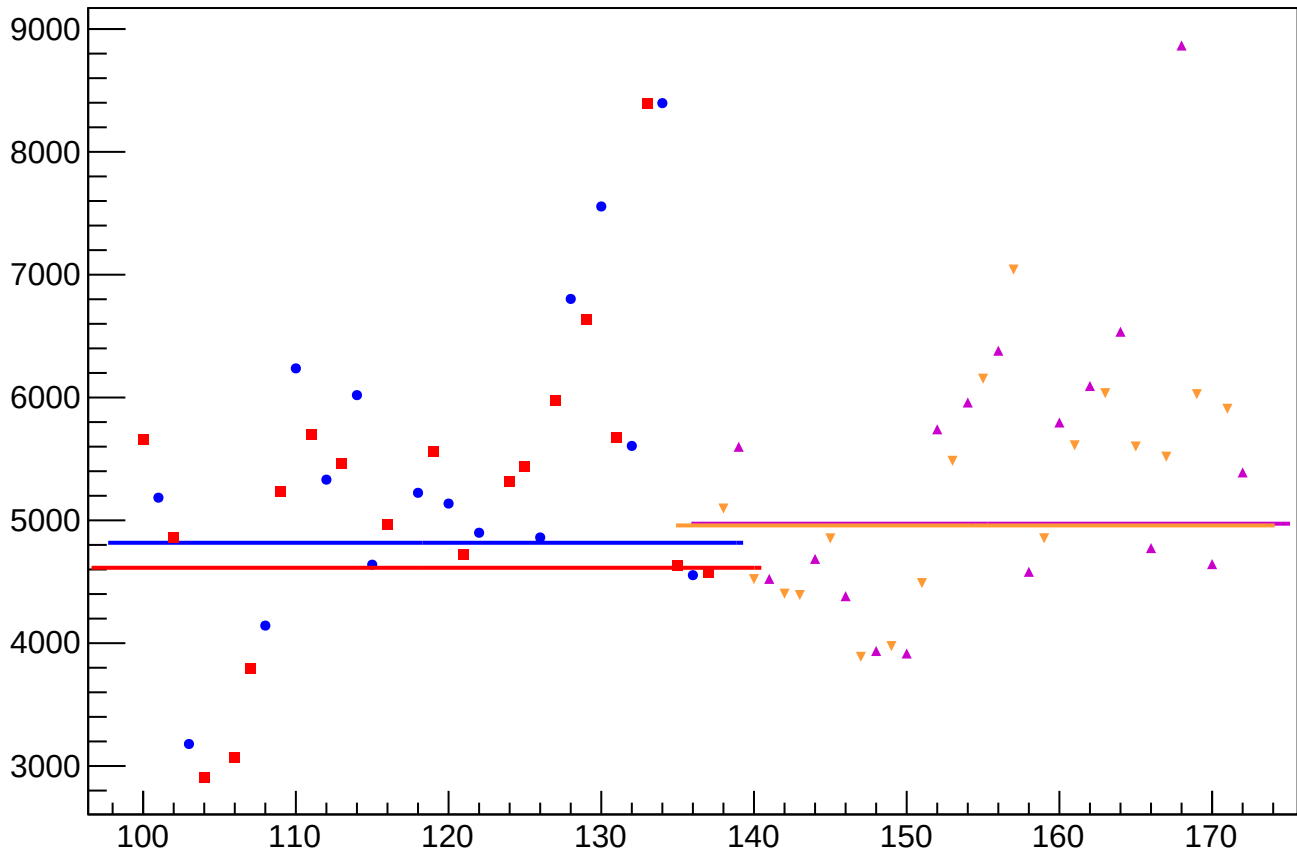
Left In: -586.341 $\pm$ 1356.230 χ^2 /NDF:12.5/16

+ sign 439.320 $\pm$ 1085.181 χ^2 /NDF: 34.4/33

All: 246.280 $\pm$ 763.892 χ^2 /NDF: 63.8/69

- sign 56.669 $\pm$ 1075.498 χ^2 /NDF: 29.3/35

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

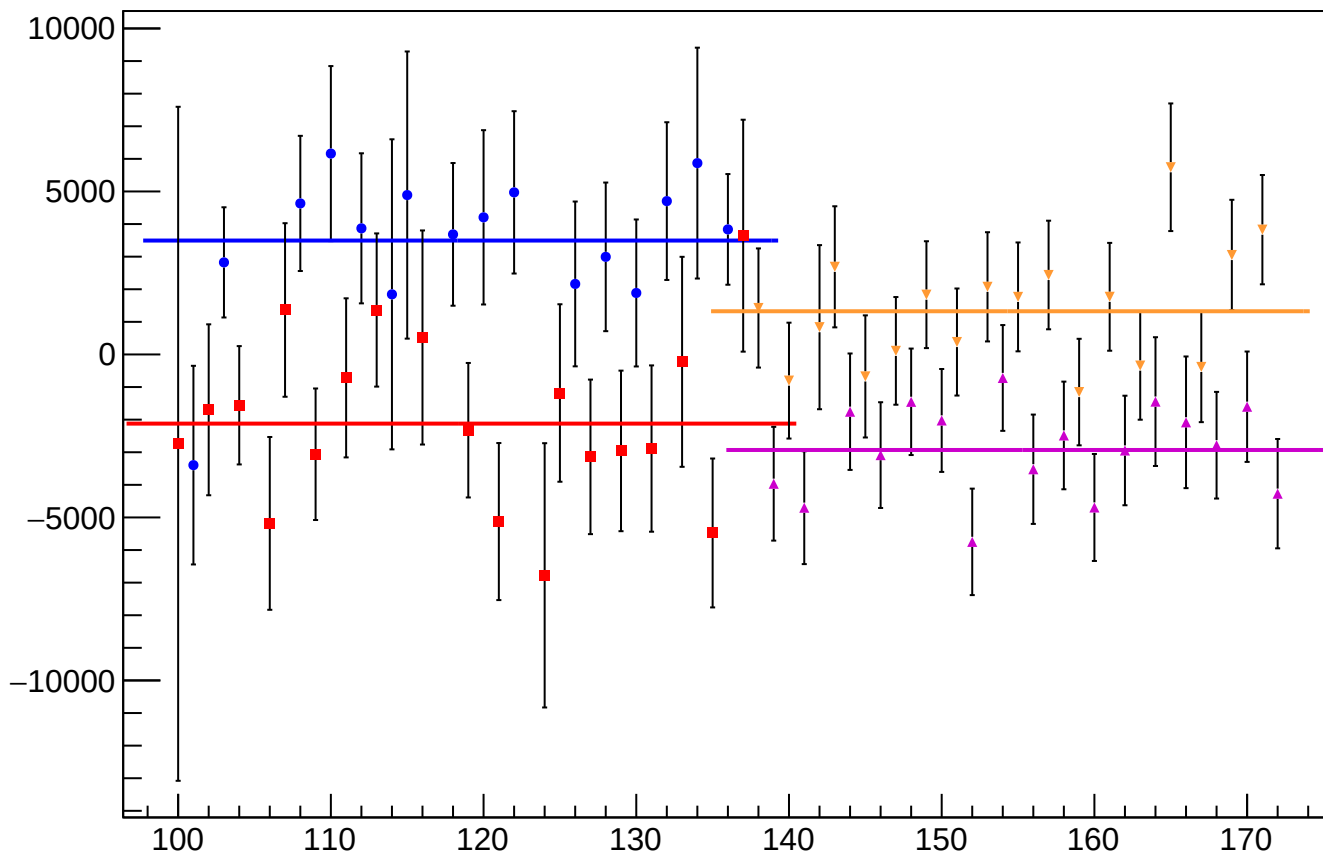
Left In: 4972.832+/-0.959 χ^2/NDF : 1002768.9/16

+ sign 4909.975+/-0.767 χ^2/NDF : 1522384.1/33

All: 4874.472+/-0.540 χ^2/NDF : 3559360.0/69

- sign 4839.599+/-0.760 χ^2/NDF : 2032732.4/35

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

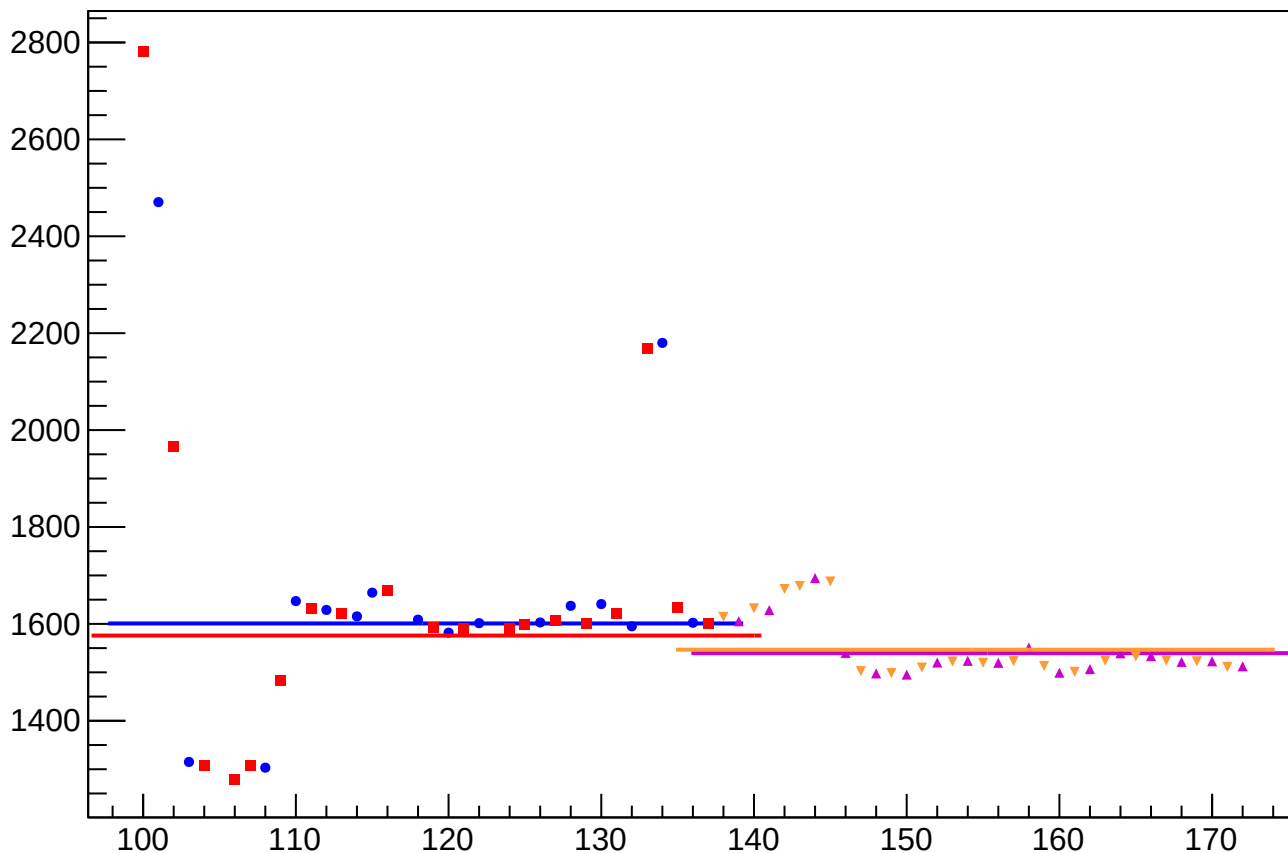
Left In: -2930.480 ± 411.191 χ^2/NDF : 11.2/16

+ sign 2013.572 ± 338.693 χ^2/NDF : 35.3/33

All: -337.951 ± 238.855 χ^2/NDF : 158.7/69

- sign -2664.632 ± 336.899 χ^2/NDF : 27.5/35

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1600.880 $\pm$ 0.425 χ^2/NDF : 317413.1/15

Left Out: 1546.791 $\pm$ 0.290 χ^2/NDF : 43674.1/17

Right Out: 1575.900 $\pm$ 0.414 χ^2/NDF : 243332.0/18

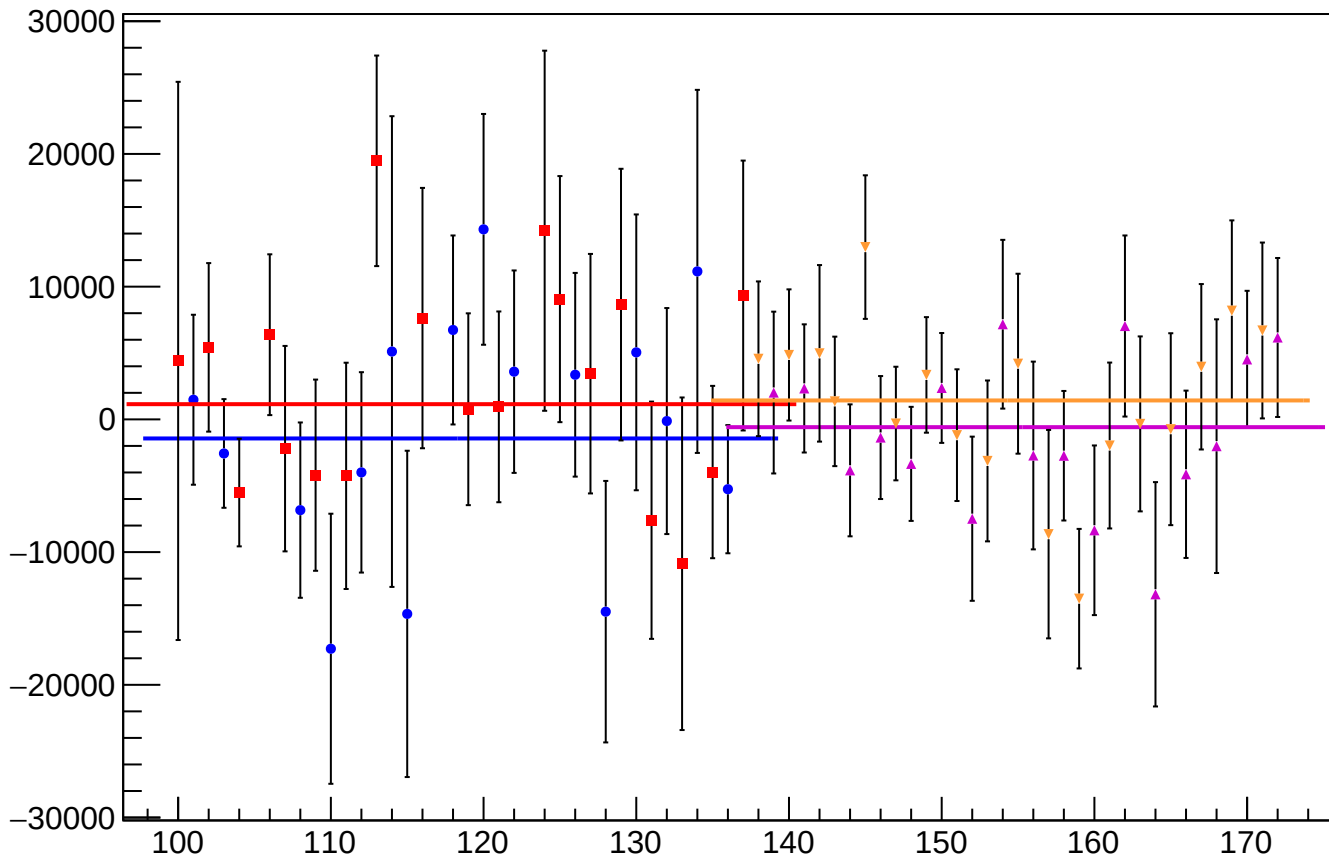
Left In: 1539.629 $\pm$ 0.291 χ^2/NDF : 29850.6/16

+ sign 1563.958 $\pm$ 0.239 χ^2/NDF : 372138.3/33

All: 1557.746 $\pm$ 0.169 χ^2/NDF : 651800.2/69

- sign 1551.615 $\pm$ 0.238 χ^2/NDF : 278325.0/35

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1437.362 $\pm$ 1848.324 χ^2/NDF : 13.9/15

Left Out: 1426.513 $\pm$ 1340.553 χ^2/NDF : 19.0/17

Right Out: 1146.174 $\pm$ 1765.384 χ^2/NDF : 16.3/18

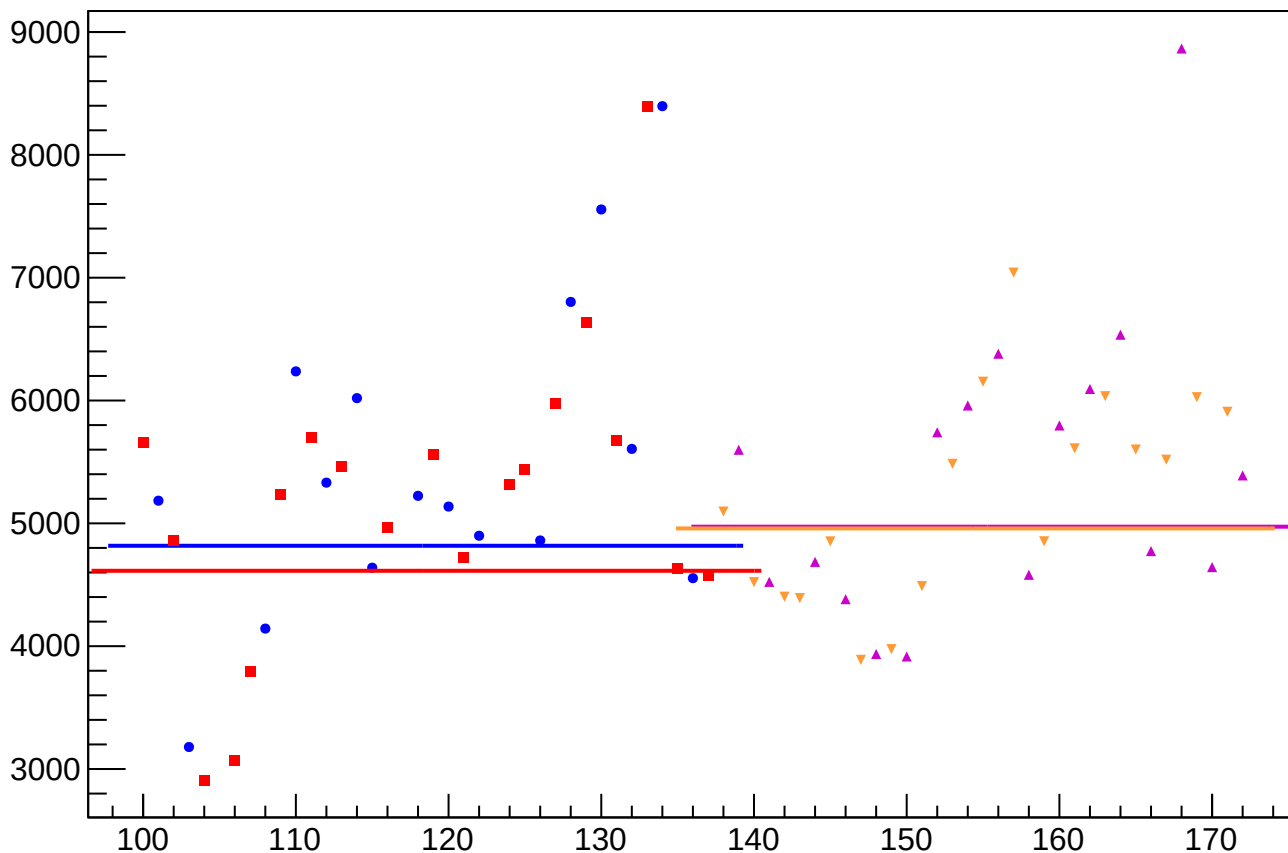
Left In: -586.341 $\pm$ 1356.230 χ^2/NDF : 12.5/16

+ sign 439.320 $\pm$ 1085.181 χ^2/NDF : 34.4/33

All: 246.280 $\pm$ 763.892 χ^2/NDF : 63.8/69

- sign 56.669 $\pm$ 1075.498 χ^2/NDF : 29.3/35

asym_usr_atr2_avg_eigen_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

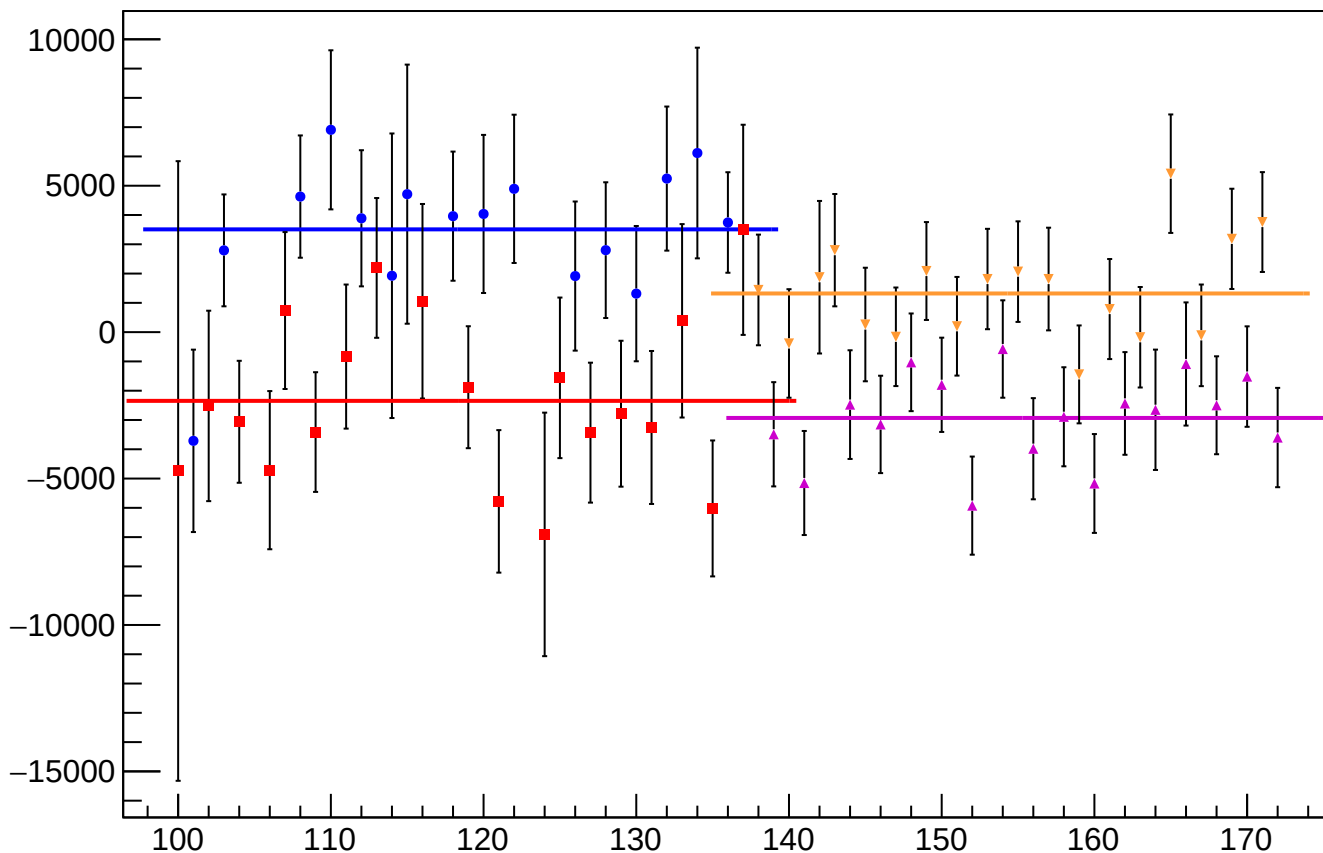
Left In: 4972.832+/-0.959 χ^2/NDF : 1002768.9/16

+ sign 4909.975+/-0.767 χ^2/NDF : 1522384.1/33

All: 4874.472+/-0.540 χ^2/NDF : 3559360.0/69

- sign 4839.599+/-0.760 χ^2/NDF : 2032732.4/35

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.507 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 1320.297 $\pm$ 421.583 χ^2 /NDF:15.2/17

Right Out: -2346.859 $\pm$ 607.502 χ^2 /NDF: 17.1/18

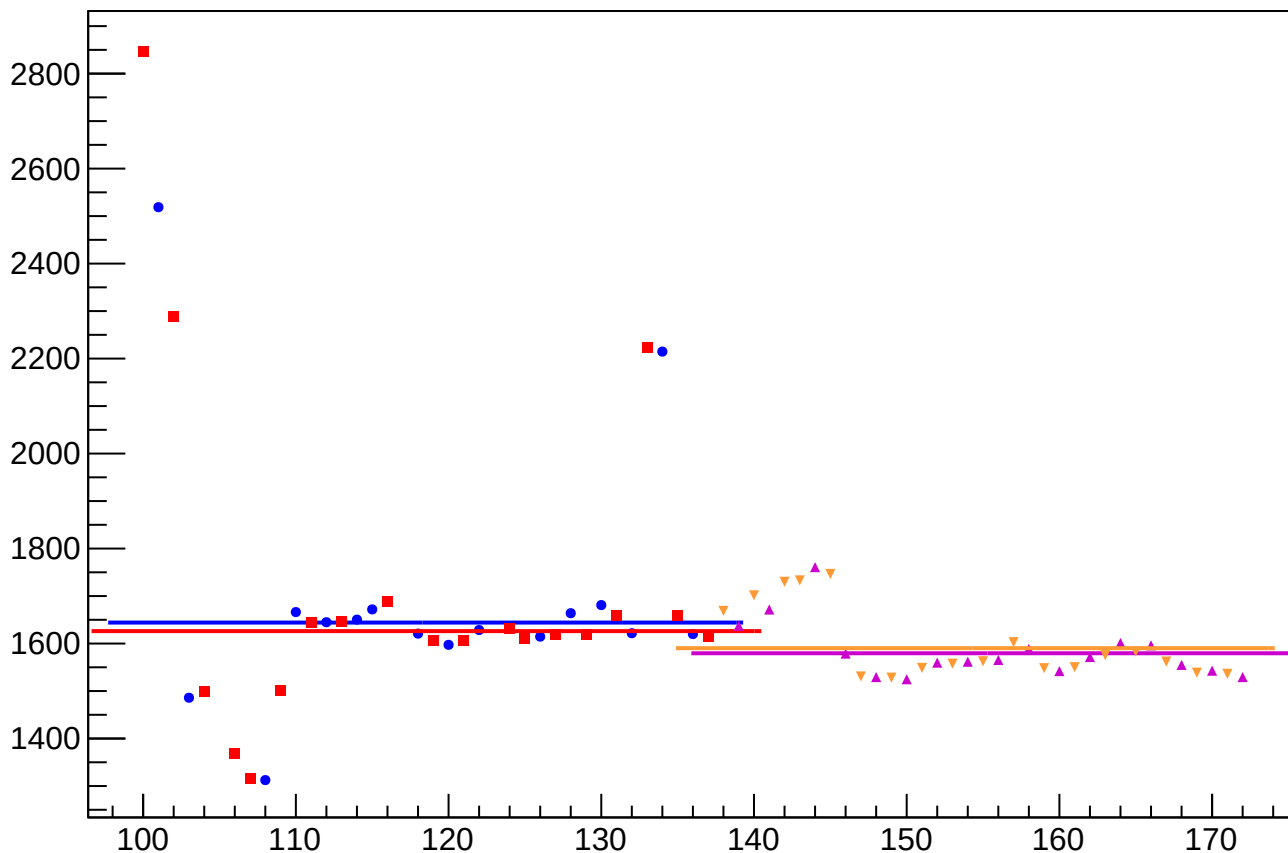
Left In: -2930.390 $\pm$ 421.934 χ^2 /NDF:12.6/16

+ sign 2017.496 $\pm$ 348.037 χ^2 /NDF: 34.1/33

All: -371.702 $\pm$ 245.571 χ^2 /NDF: 158.3/69

- sign -2740.502 $\pm$ 346.548 χ^2 /NDF: 30.4/35

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274817.9/15

Left Out: 1590.266 $\pm$ 0.298 χ^2 /NDF: 55199.3/17

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237639.1/18

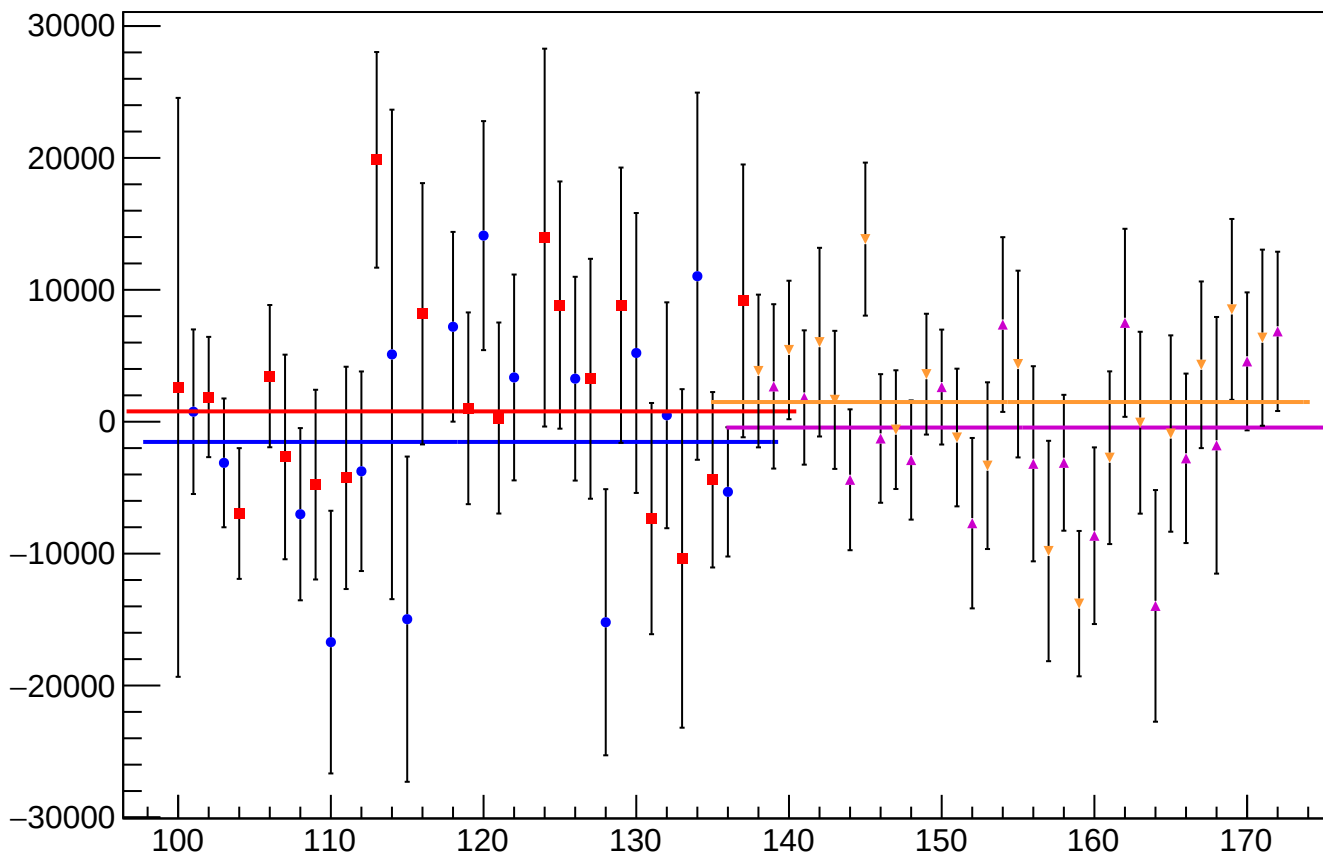
Left In: 1579.564 $\pm$ 0.298 χ^2 /NDF: 35864.9/16

+ sign 1607.442 $\pm$ 0.246 χ^2 /NDF: 340441.1/33

All: 1601.067 $\pm$ 0.174 χ^2 /NDF: 623232.6/69

- sign 1594.750 $\pm$ 0.245 χ^2 /NDF: 281455.5/35

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

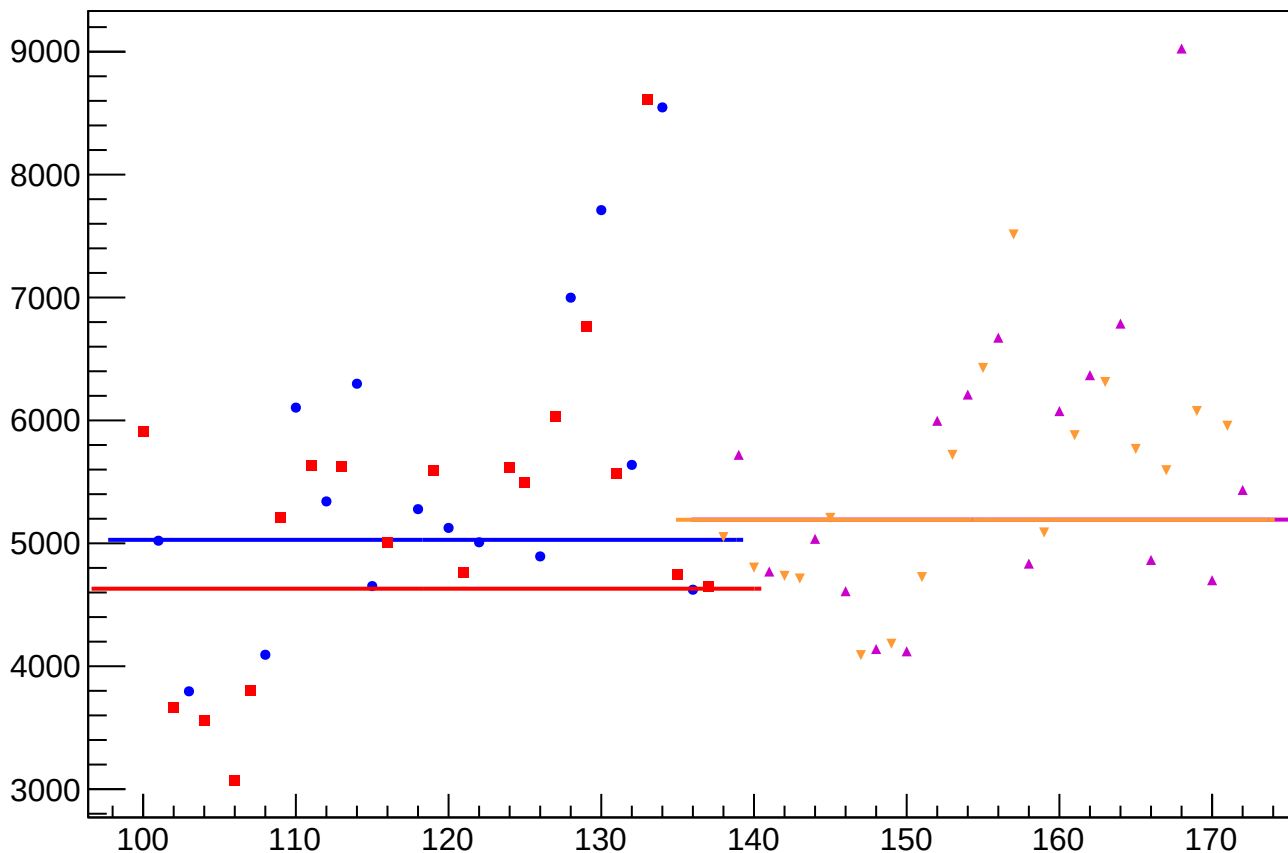
Left In: -441.490+/-1414.843 χ^2/NDF : 12.5/16

+ sign 437.339+/-1130.785 χ^2/NDF : 34.5/33

All: 234.959+/-788.433 χ^2/NDF : 62.4/69

- sign 43.488+/-1099.883 χ^2/NDF : 27.9/35

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

+ sign 5134.684+/-0.800 χ^2/NDF : 1229323.4/33

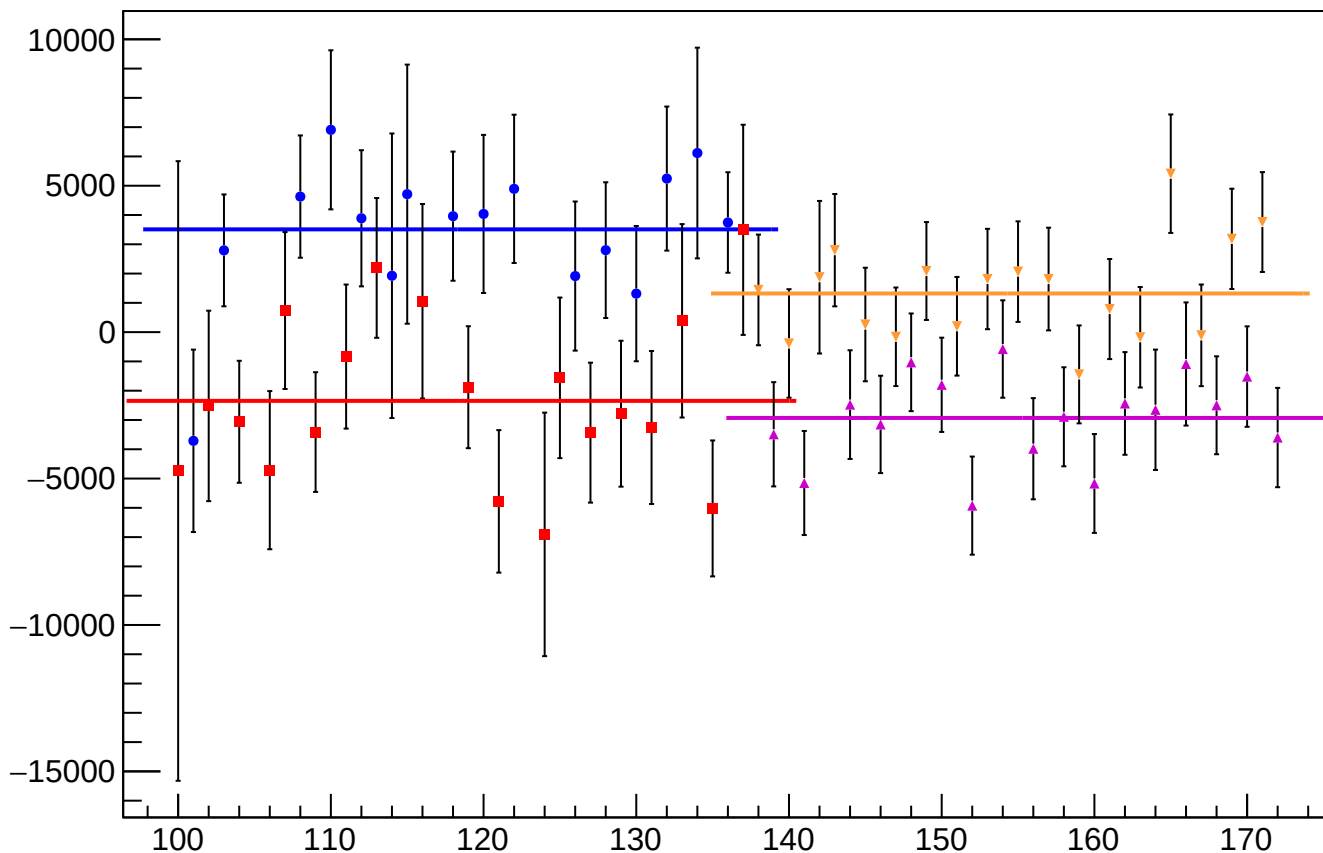
Right Out: 4630.901+/-1.236 χ^2/NDF : 863515.0/18

All: 5050.352+/-0.558 χ^2/NDF : 3186808.8/69

- sign 4970.566+/-0.778 χ^2/NDF : 1935837.1/35

Left In: 5192.949+/-1.000 χ^2/NDF : 947443.0/16

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3509.509 $\pm$ 616.724 χ^2 /NDF: 10.4/15

Left Out: 1320.290 $\pm$ 421.584 χ^2 /NDF:15.2/17

Right Out: -2346.865 $\pm$ 607.502 χ^2 /NDF: 17.1/18

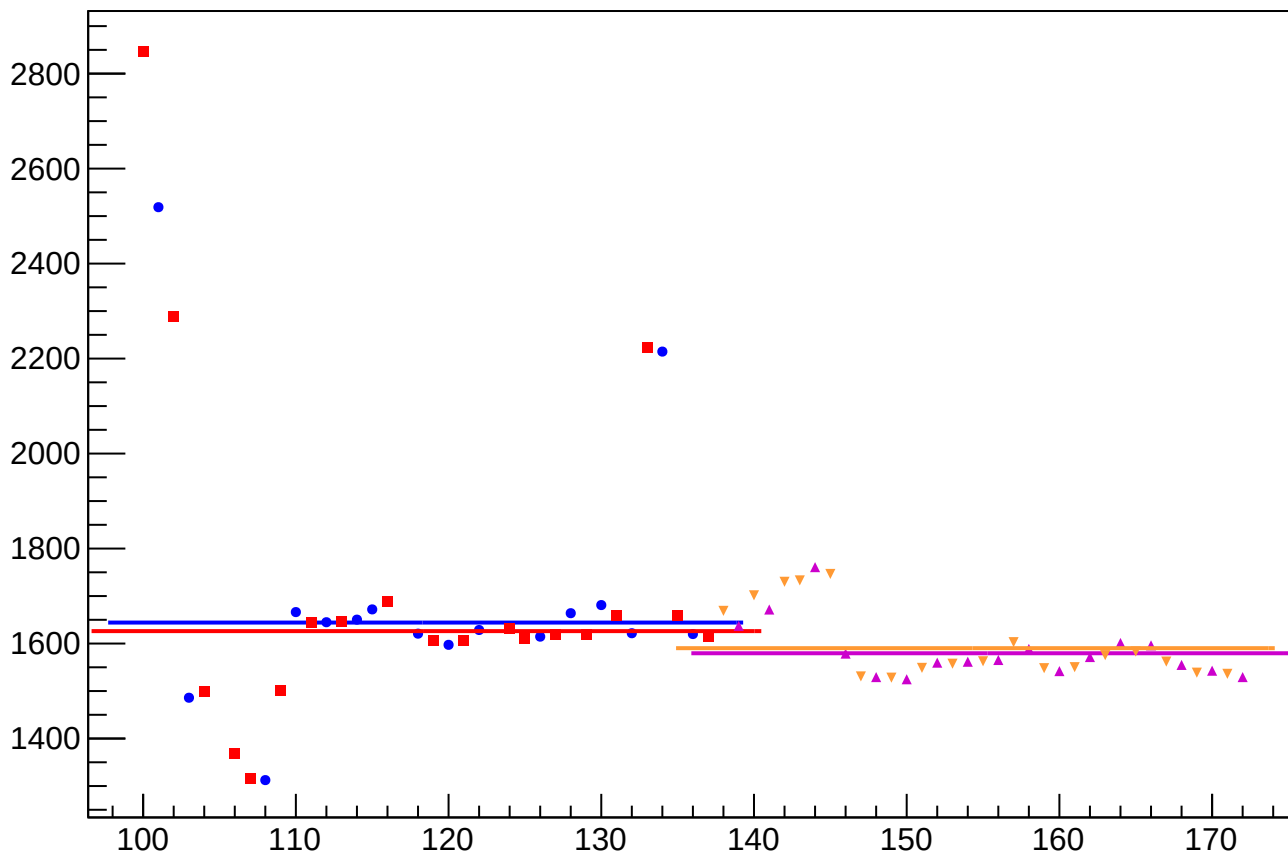
Left In: -2930.393 $\pm$ 421.934 χ^2 /NDF:12.6/16

+ sign 2017.493 $\pm$ 348.037 χ^2 /NDF: 34.1/33

All: -371.705 $\pm$ 245.572 χ^2 /NDF: 158.3/69

- sign -2740.506 $\pm$ 346.549 χ^2 /NDF: 30.4/35

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.198 $\pm$ 0.436 χ^2 /NDF: 274818.1/15

Left Out: 1590.267 $\pm$ 0.298 χ^2 /NDF: 55199.4/17

Right Out: 1626.174 $\pm$ 0.429 χ^2 /NDF: 237638.8/18

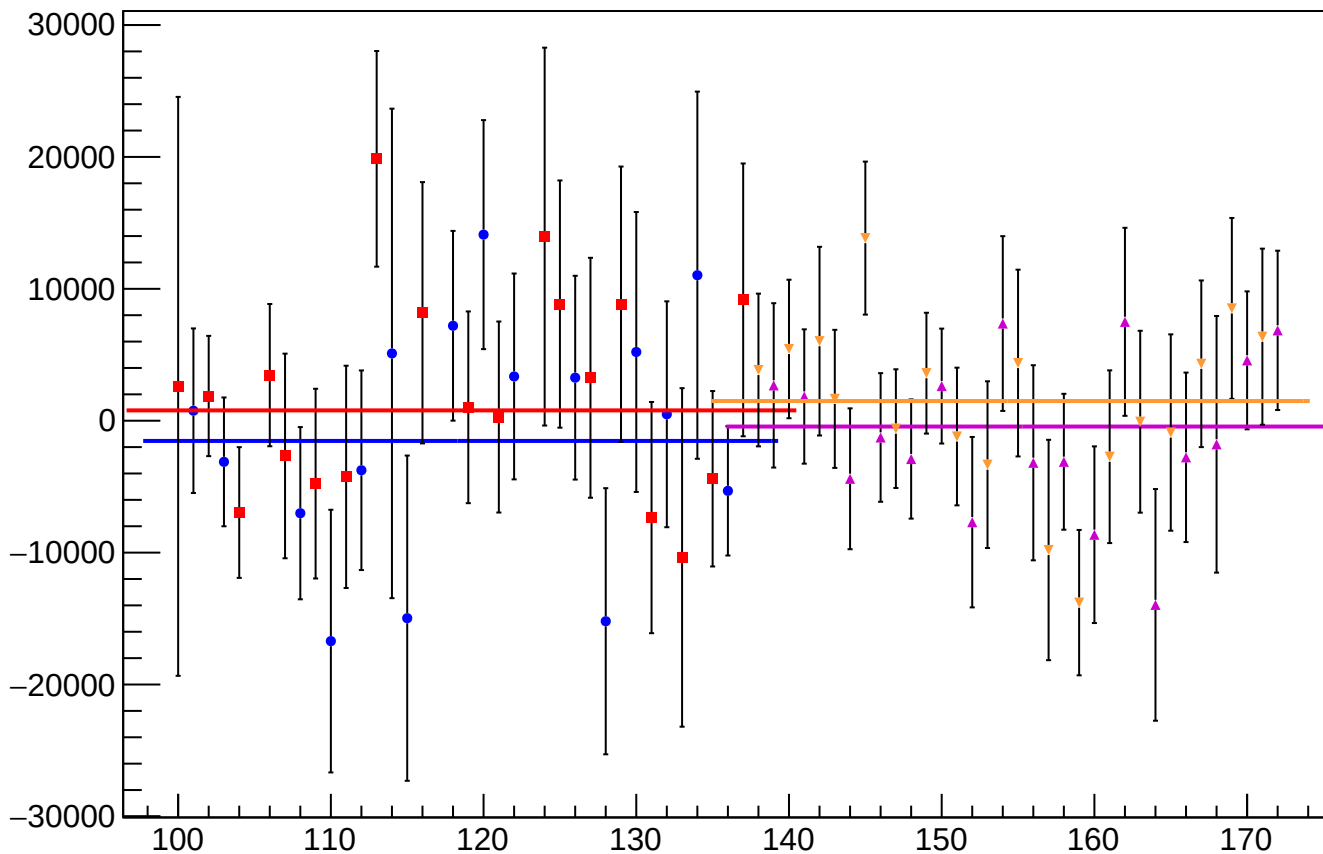
Left In: 1579.566 $\pm$ 0.298 χ^2 /NDF: 35864.9/16

+ sign 1607.442 $\pm$ 0.246 χ^2 /NDF: 340440.8/33

All: 1601.067 $\pm$ 0.174 χ^2 /NDF: 623231.3/69

- sign 1594.750 $\pm$ 0.245 χ^2 /NDF: 281454.6/35

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1532.095 $\pm$ 1913.796 χ^2 /NDF: 13.9/15

Left Out: 1493.684 $\pm$ 1401.613 χ^2 /NDF:19.0/17

Right Out: 784.236 $\pm$ 1748.563 χ^2 /NDF: 15.0/18

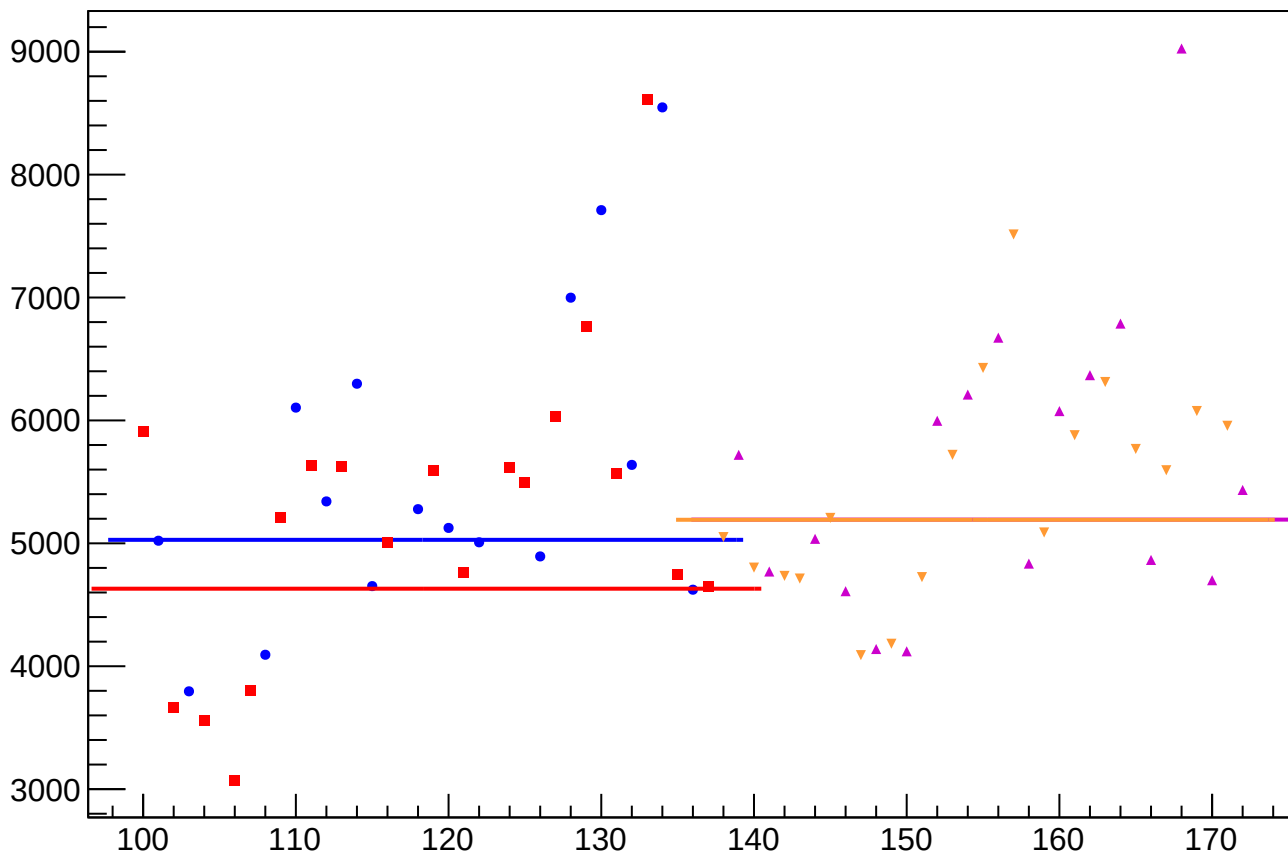
Left In: -441.488 $\pm$ 1414.845 χ^2 /NDF:12.5/16

+ sign 437.338 $\pm$ 1130.785 χ^2 /NDF: 34.5/33

All: 234.960 $\pm$ 788.434 χ^2 /NDF: 62.4/69

- sign 43.492 $\pm$ 1099.884 χ^2 /NDF: 27.9/35

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5028.443 $\pm$ 1.353 χ^2 /NDF: 565463.1/15

Left Out: 5191.674 $\pm$ 0.991 χ^2 /NDF: 654386.5/17

Right Out: 4630.895 $\pm$ 1.236 χ^2 /NDF: 863509.0/18

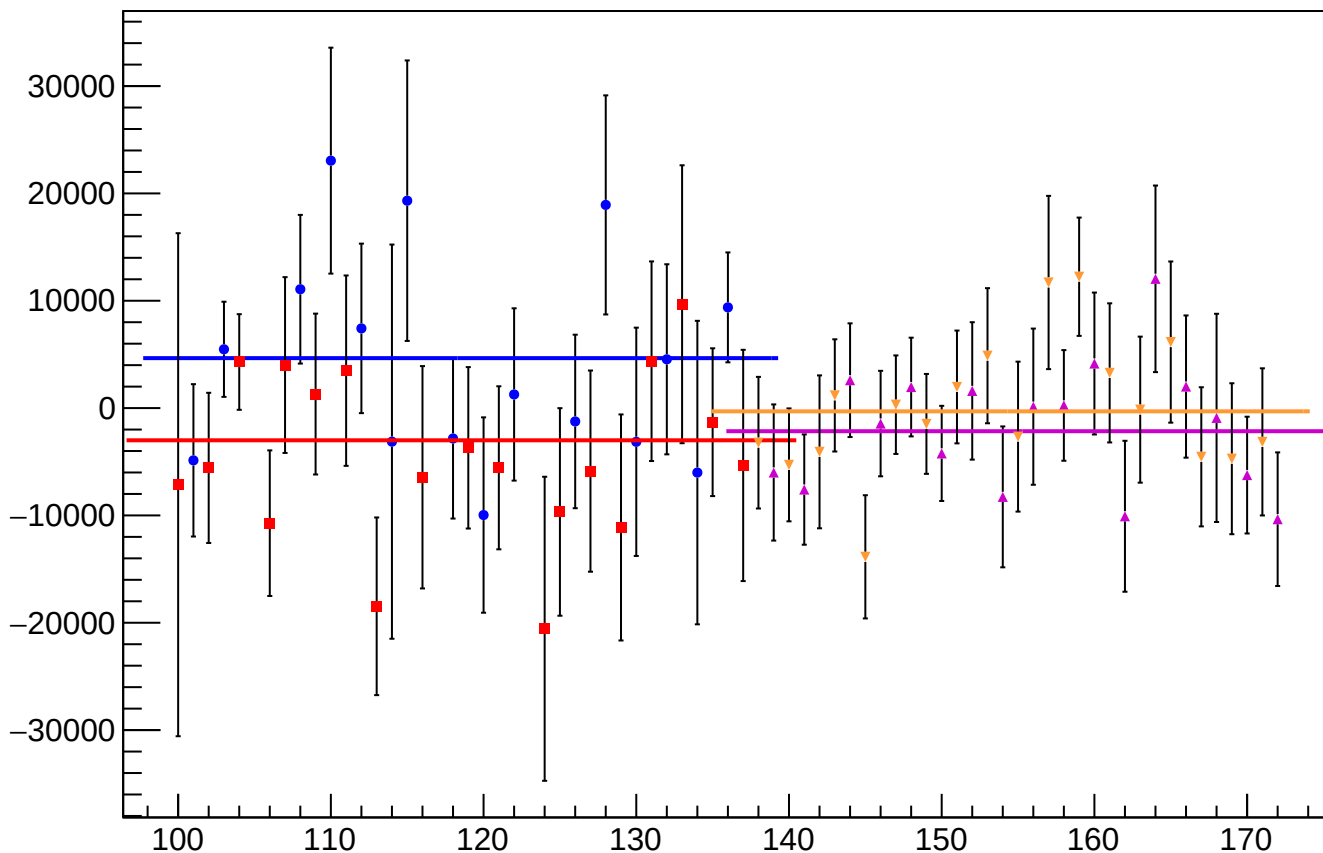
Left In: 5192.958 $\pm$ 1.000 χ^2 /NDF: 947444.6/16

+ sign 5134.687 $\pm$ 0.800 χ^2 /NDF: 1229319.5/33

All: 5050.354 $\pm$ 0.558 χ^2 /NDF: 3186807.5/69

- sign 4970.567 $\pm$ 0.778 χ^2 /NDF: 1935839.4/35

asym_usr_atr2_avg_mean vs Slug



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

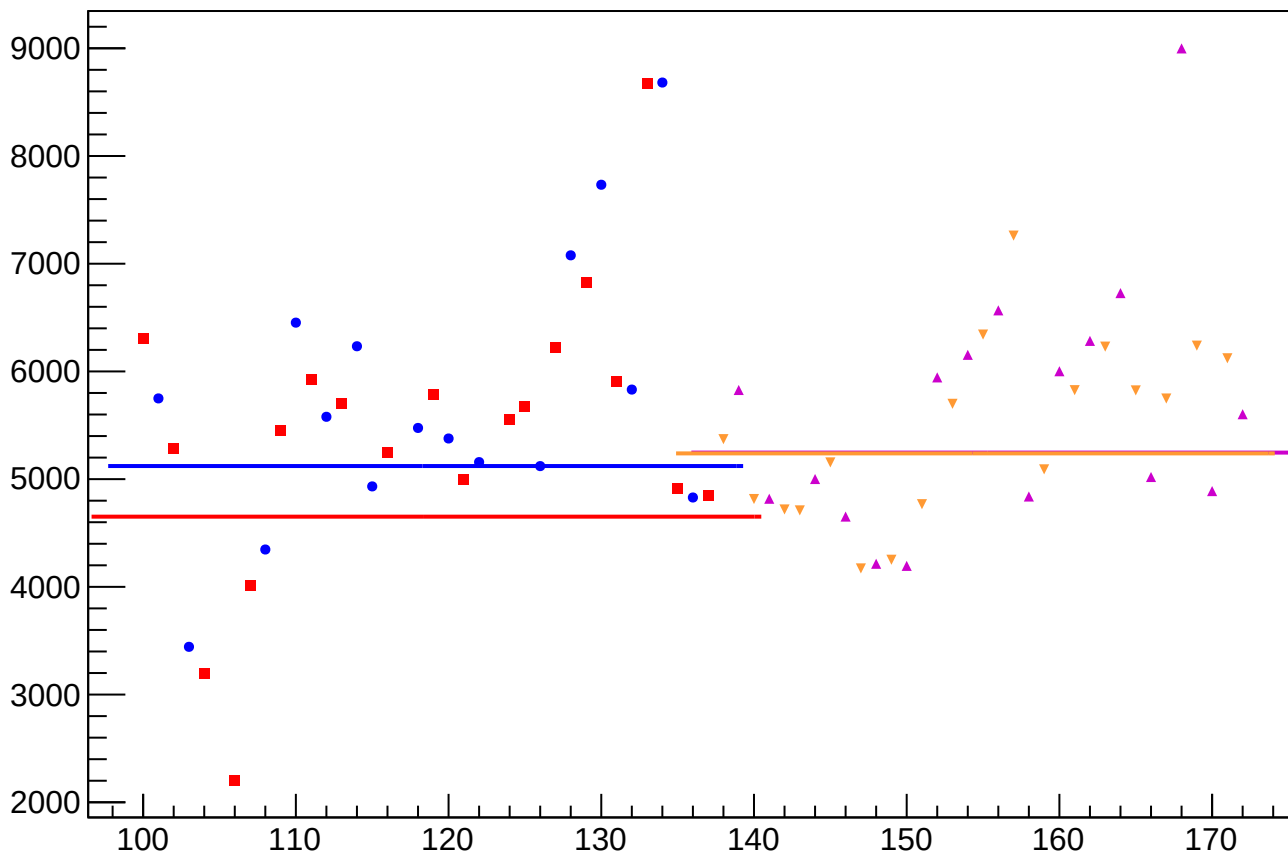
Left In: -2154.521+/-1426.420 χ^2/NDF : 12.4/16

+ sign 1391.936+/-1145.214 χ^2/NDF : 37.3/33

All: -549.541+/-806.860 χ^2/NDF : 69.4/69

- sign -2463.189+/-1136.977 χ^2/NDF : 26.4/35

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

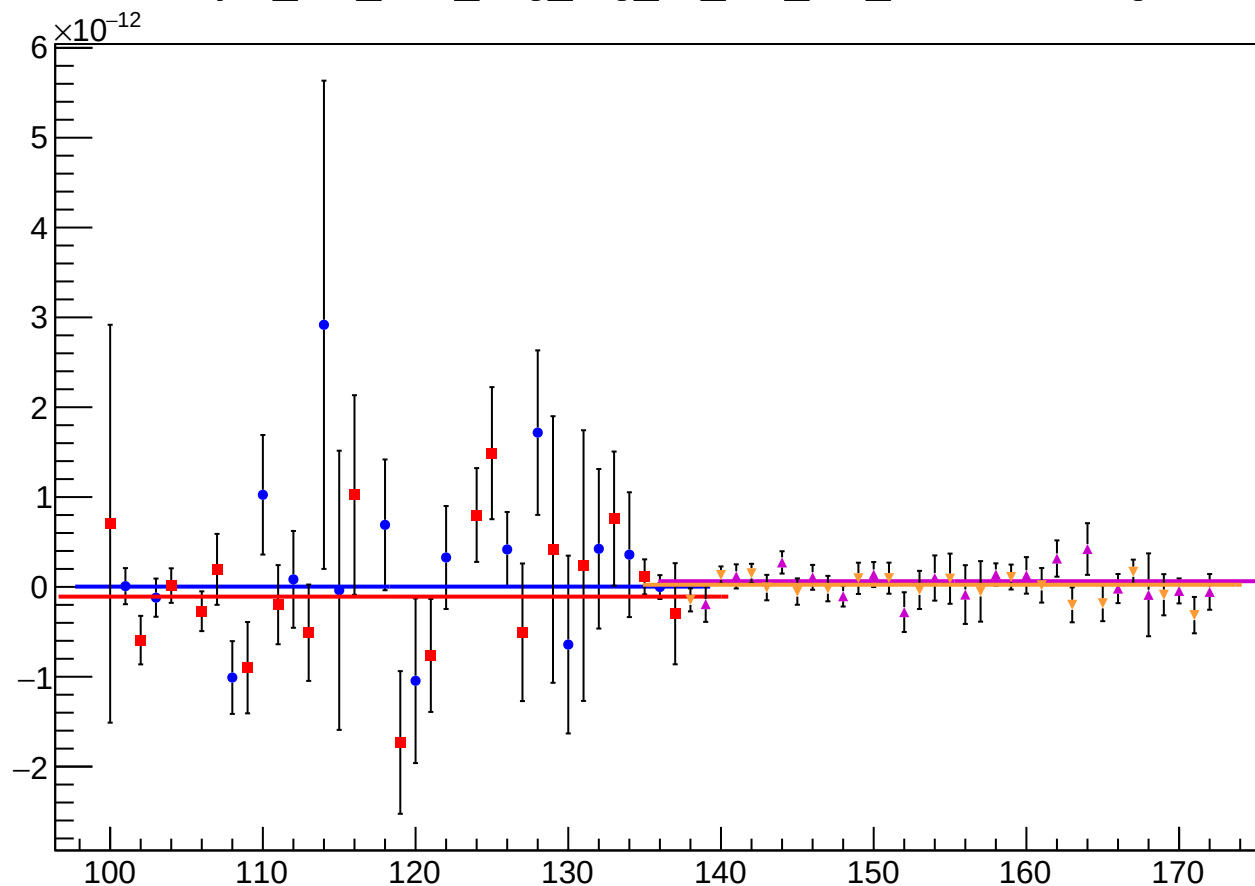
Left In: 5246.483+/-1.009 χ^2/NDF : 862436.1/16

+ sign 5198.877+/-0.810 χ^2/NDF : 1329616.8/33

All: 5106.837+/-0.566 χ^2/NDF : 3695357.4/69

- sign 5018.726+/-0.792 χ^2/NDF : 2340455.1/35

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

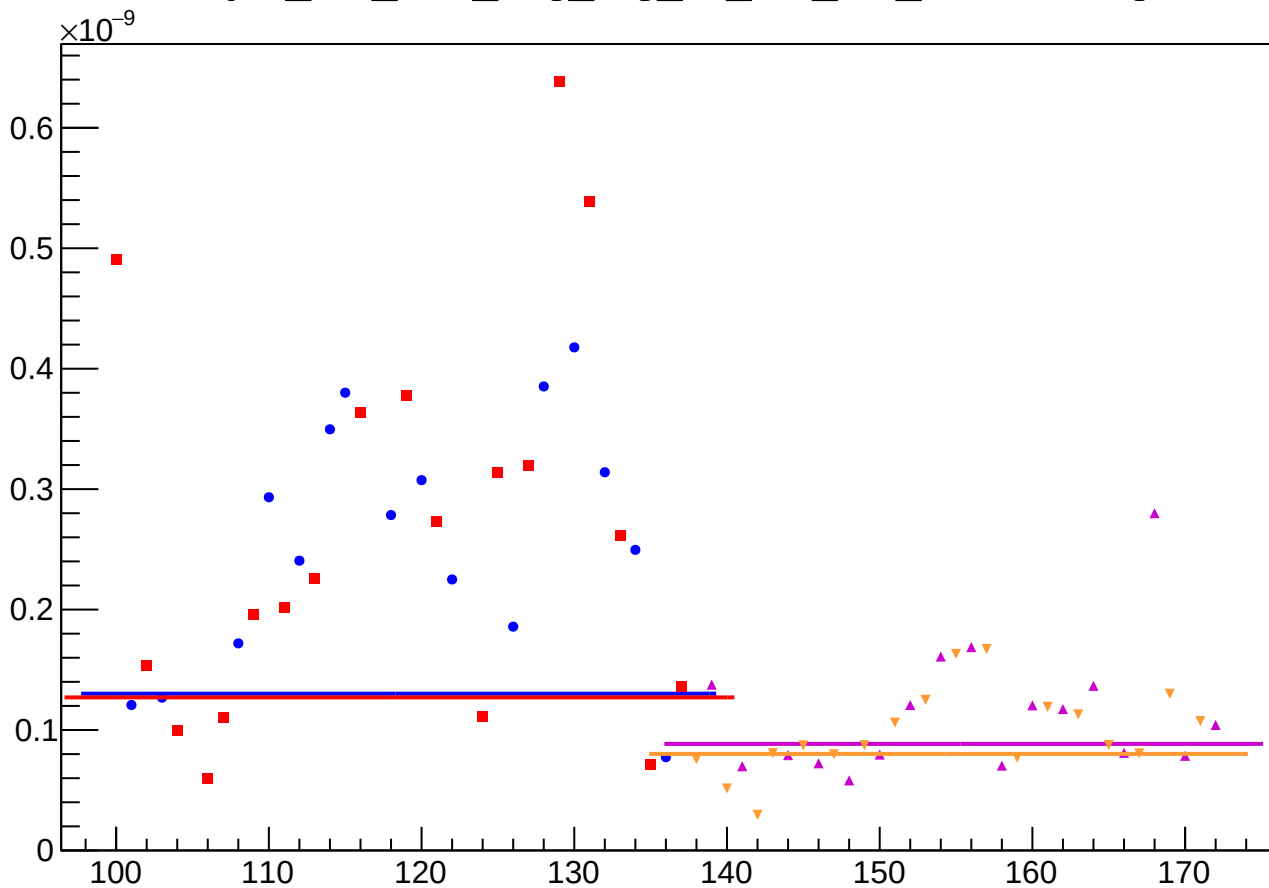
Left In: 0.000 ± 0.000 χ^2/NDF : 14.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 30.4/33

All: 0.000 ± 0.000 χ^2/NDF : 73.4/69

- sign 0.000 ± 0.000 χ^2/NDF : 42.9/35

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1361289.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1734331.2/18

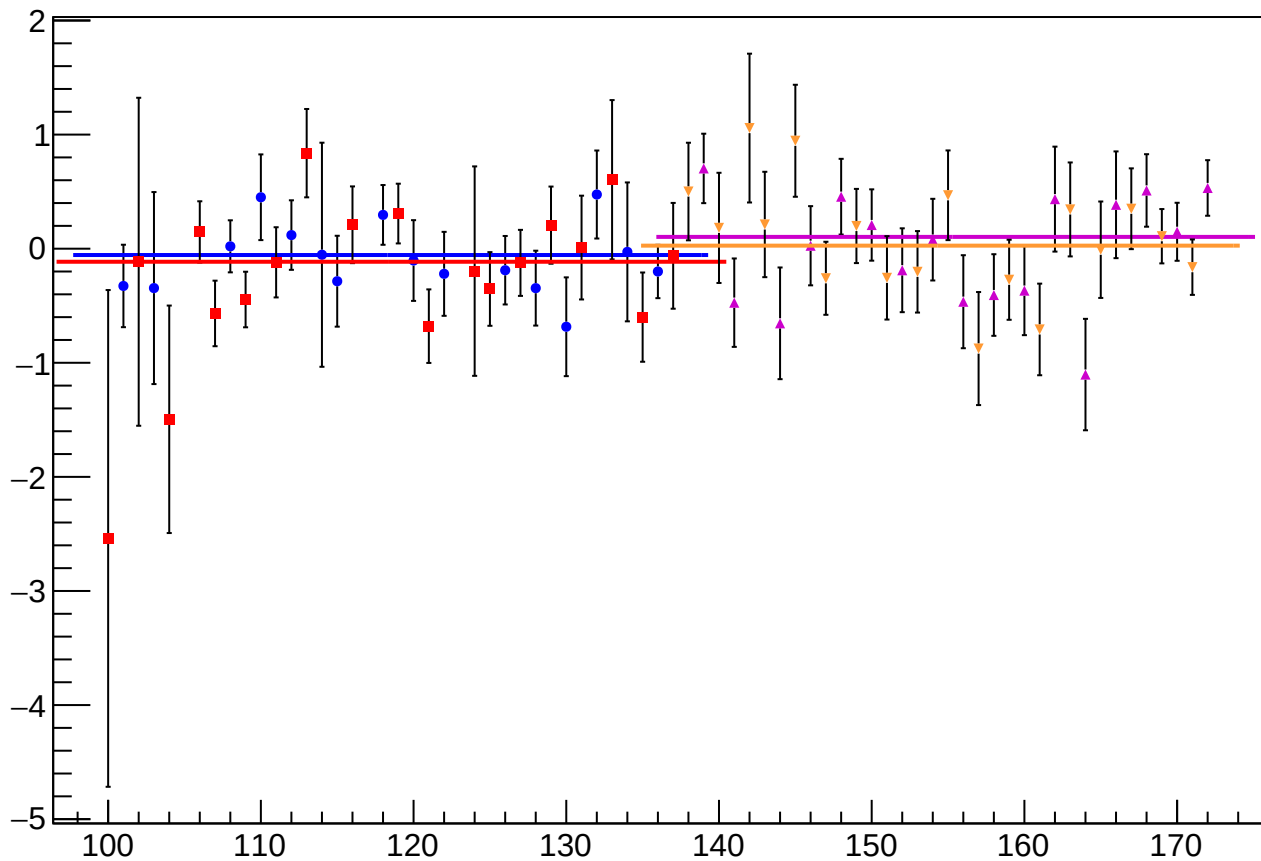
Left In: 0.000+/-0.000 χ^2/NDF : 1238344.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 3258002.5/33

All: 0.000+/-0.000 χ^2/NDF : 6581017.1/69

- sign 0.000+/-0.000 χ^2/NDF : 3281412.3/35

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

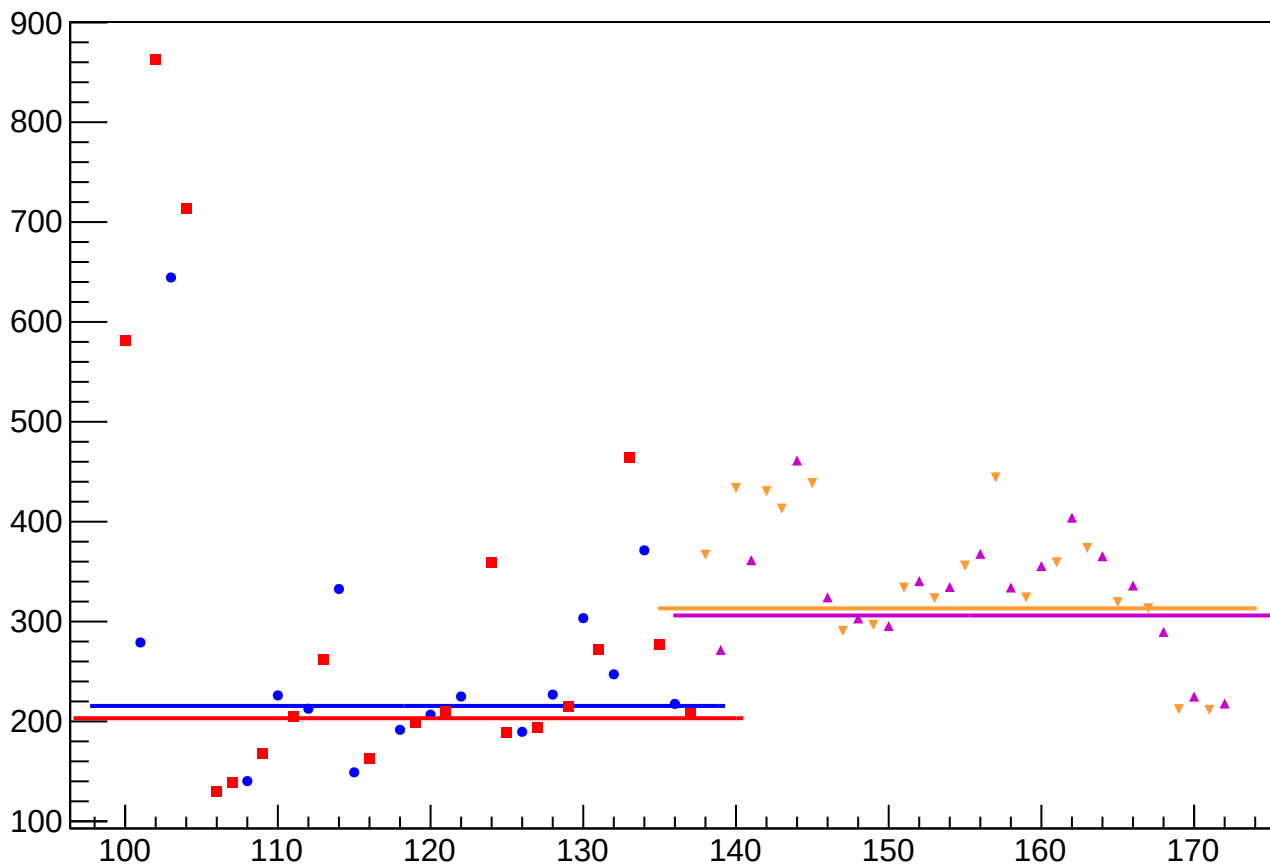
Left In: 0.103 ± 0.084 χ^2/NDF : 27.6/16

+ sign -0.015 ± 0.061 χ^2/NDF : 31.5/33

All: -0.011 ± 0.042 χ^2/NDF : 87.7/69

- sign -0.007 ± 0.059 χ^2/NDF : 56.2/35

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.519 $\pm$ 0.060 χ^2 /NDF: 1148727.3/15

Left Out: 313.229 $\pm$ 0.061 χ^2 /NDF: 1413864.7/17

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 1835552.6/18

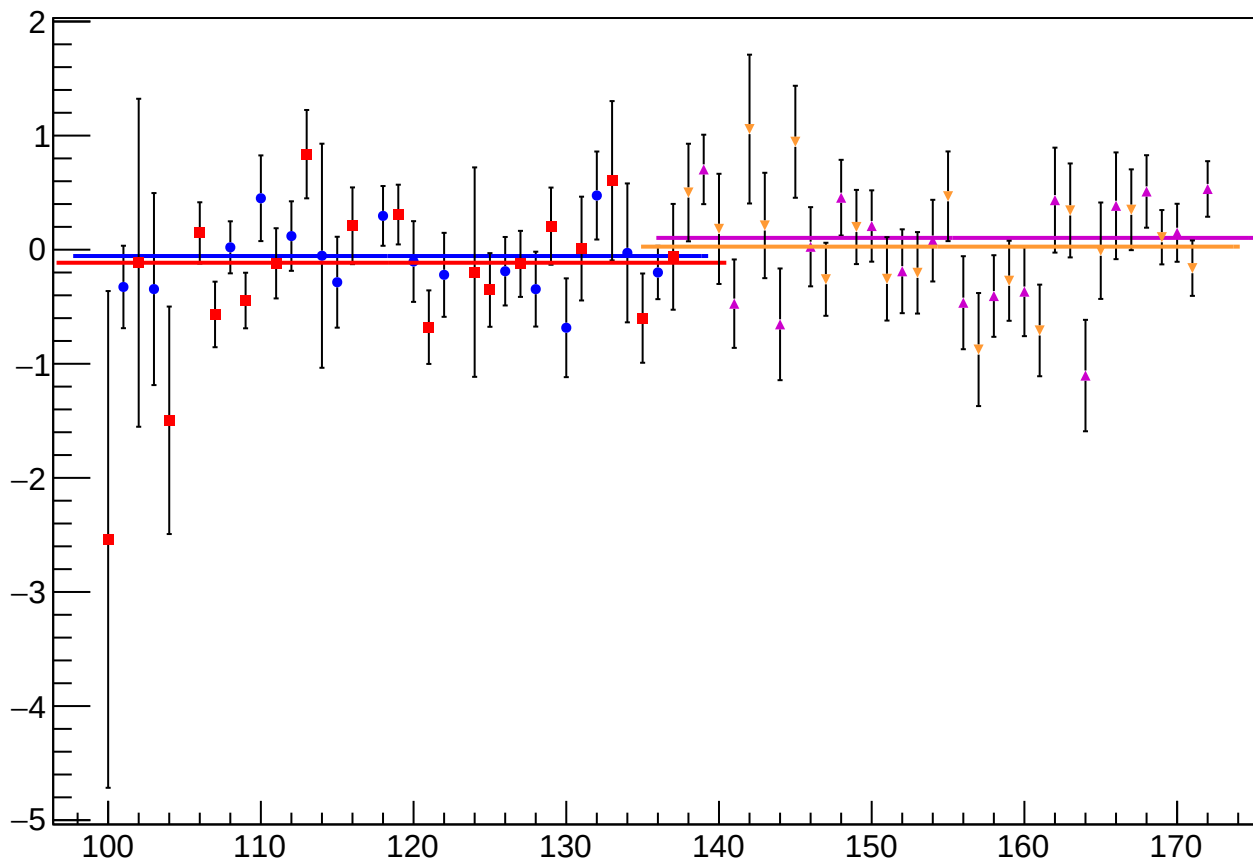
Left In: 306.086 $\pm$ 0.060 χ^2 /NDF: 996278.4/16

+ sign 263.933 $\pm$ 0.043 χ^2 /NDF: 3857710.6/33

All: 258.823 $\pm$ 0.030 χ^2 /NDF: 8225154.9/69

- sign 253.959 $\pm$ 0.042 χ^2 /NDF: 4339789.1/35

asym_usr_atr2_avg_dit_vs_eigen_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

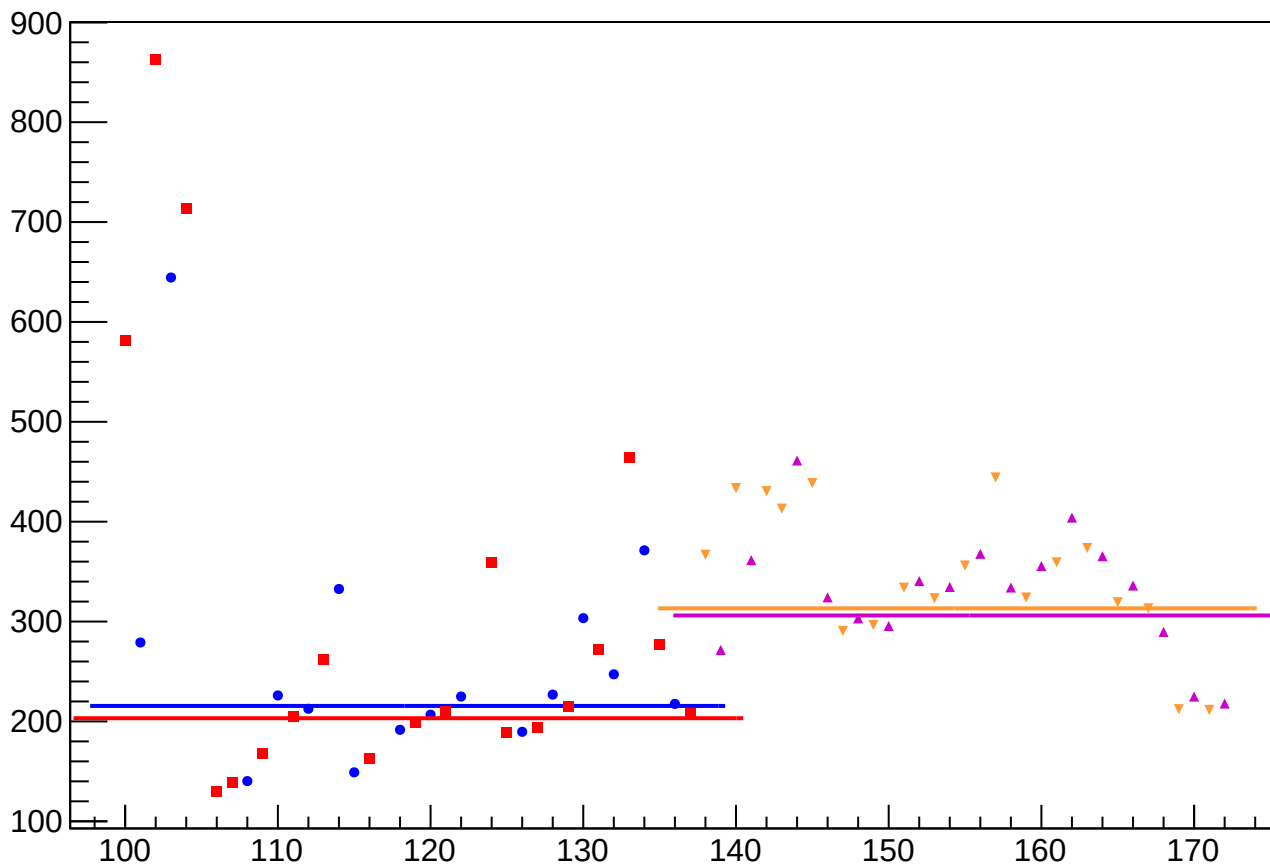
Left In: 0.103 ± 0.084 χ^2/NDF : 27.6/16

+ sign -0.015 ± 0.061 χ^2/NDF : 31.5/33

All: -0.011 ± 0.042 χ^2/NDF : 87.7/69

- sign -0.007 ± 0.059 χ^2/NDF : 56.2/35

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 215.519 $\pm$ 0.060 χ^2 /NDF: 1148727.3/15

Left Out: 313.229 $\pm$ 0.061 χ^2 /NDF: 1413864.7/17

Right Out: 203.207 $\pm$ 0.059 χ^2 /NDF: 1835552.6/18

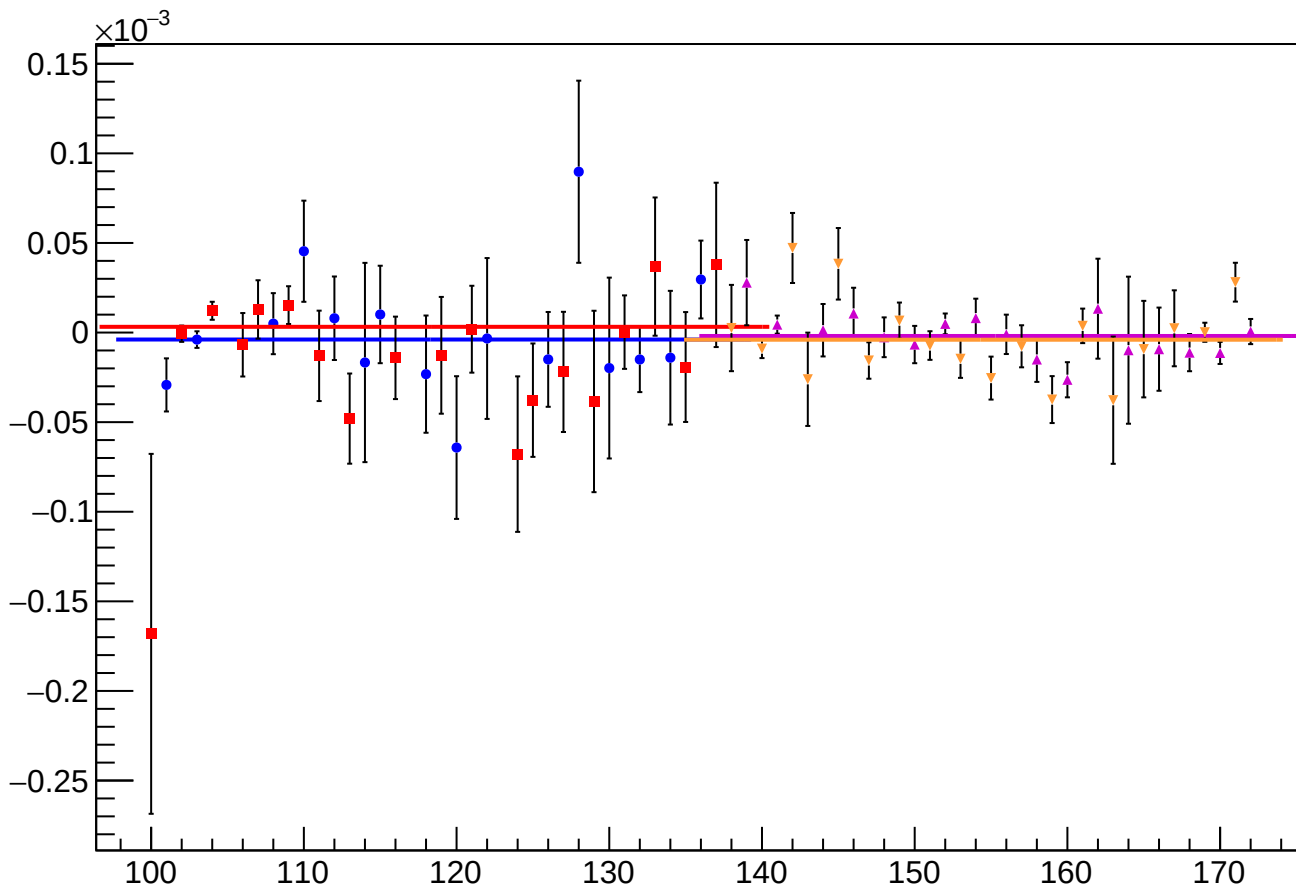
Left In: 306.086 $\pm$ 0.060 χ^2 /NDF: 996278.4/16

+ sign 263.933 $\pm$ 0.043 χ^2 /NDF: 3857710.6/33

All: 258.823 $\pm$ 0.030 χ^2 /NDF: 8225154.9/69

- sign 253.959 $\pm$ 0.042 χ^2 /NDF: 4339789.1/35

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

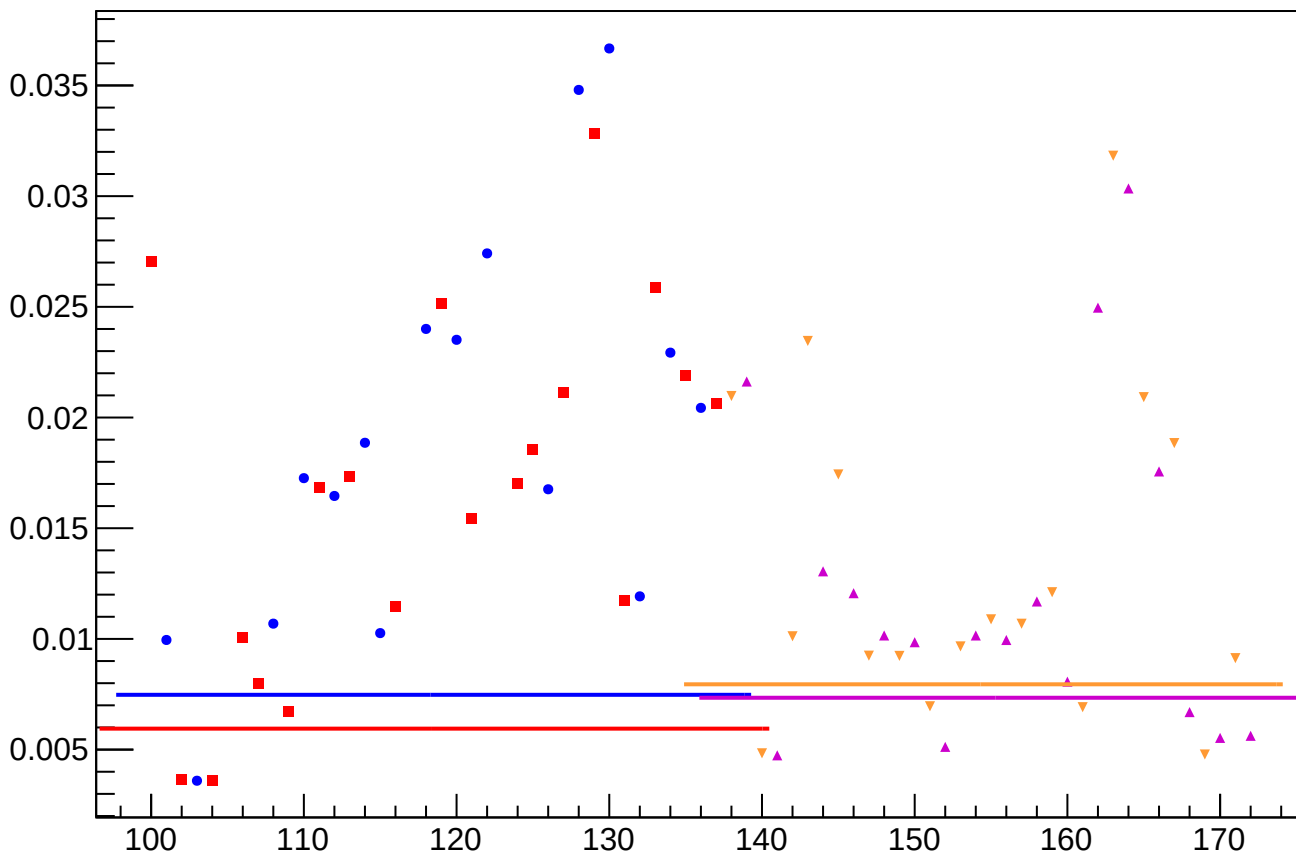
Left In: -0.000 ± 0.000 χ^2/NDF : 17.4/16

+ sign -0.000 ± 0.000 χ^2/NDF : 53.5/33

All: -0.000 ± 0.000 χ^2/NDF : 96.6/69

- sign 0.000 ± 0.000 χ^2/NDF : 41.0/35

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

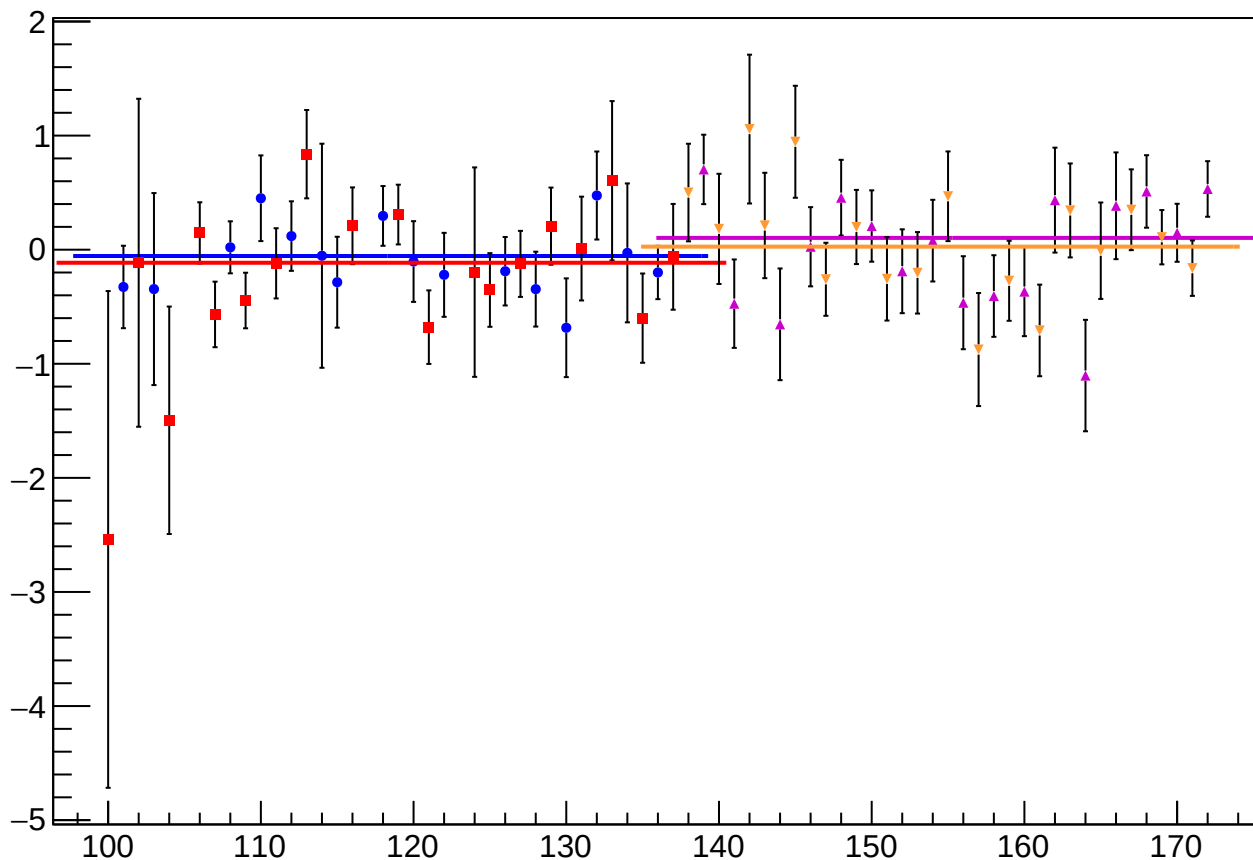
Left In: 0.007+/-0.000 χ^2/NDF : 4926999.0/16

+ sign 0.008+/-0.000 χ^2/NDF : 11798651.0/33

All: 0.007+/-0.000 χ^2/NDF : 23216351.8/69

- sign 0.007+/-0.000 χ^2/NDF : 11146732.6/35

asym_usr_atr2_avg_eigen_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

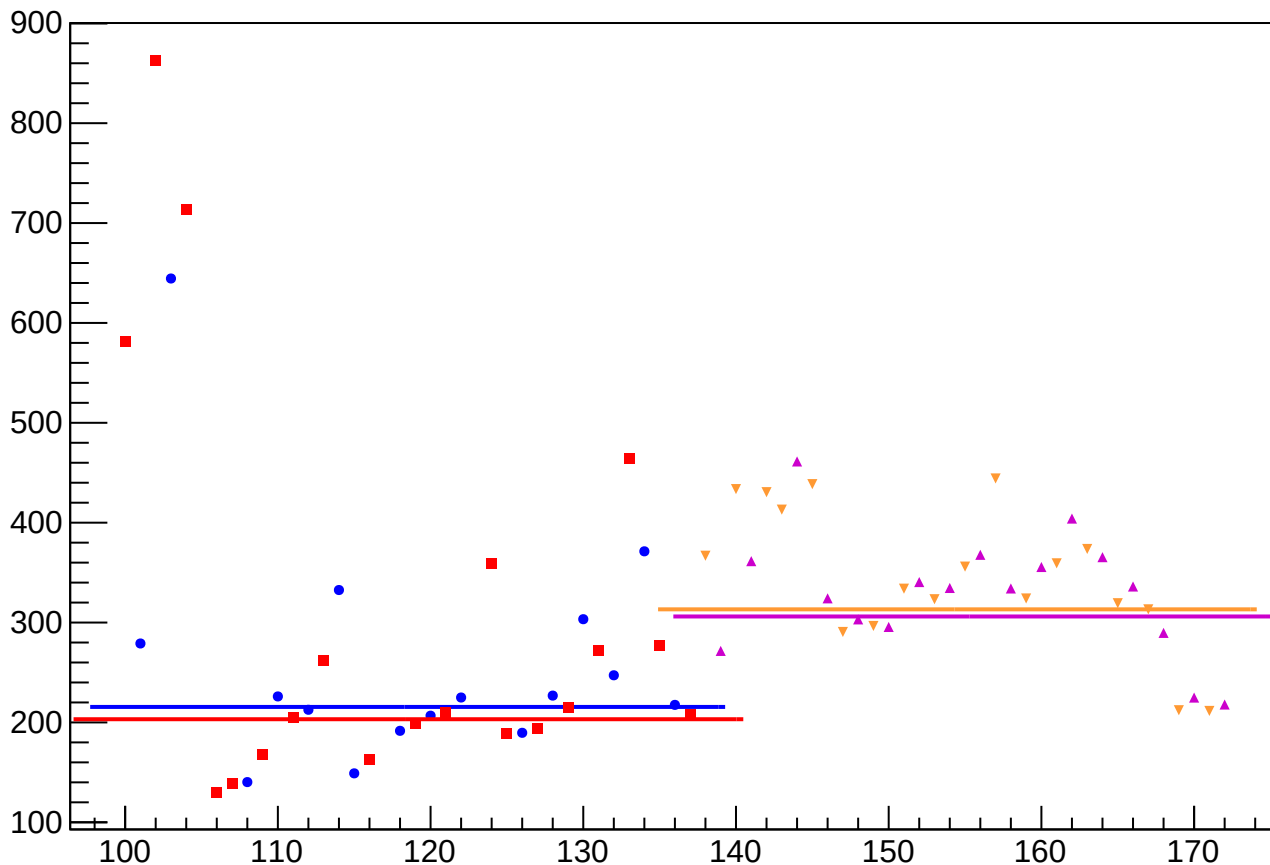
Left In: 0.103 ± 0.084 χ^2/NDF : 27.6/16

+ sign -0.015 ± 0.061 χ^2/NDF : 31.5/33

All: -0.011 ± 0.042 χ^2/NDF : 87.7/69

- sign -0.007 ± 0.059 χ^2/NDF : 56.2/35

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 215.518 $\pm$ 0.060 χ^2/NDF : 1148700.9/15

Left Out: 313.232 $\pm$ 0.061 χ^2/NDF : 1413954.8/17

Right Out: 203.205 $\pm$ 0.059 χ^2/NDF : 1835535.5/18

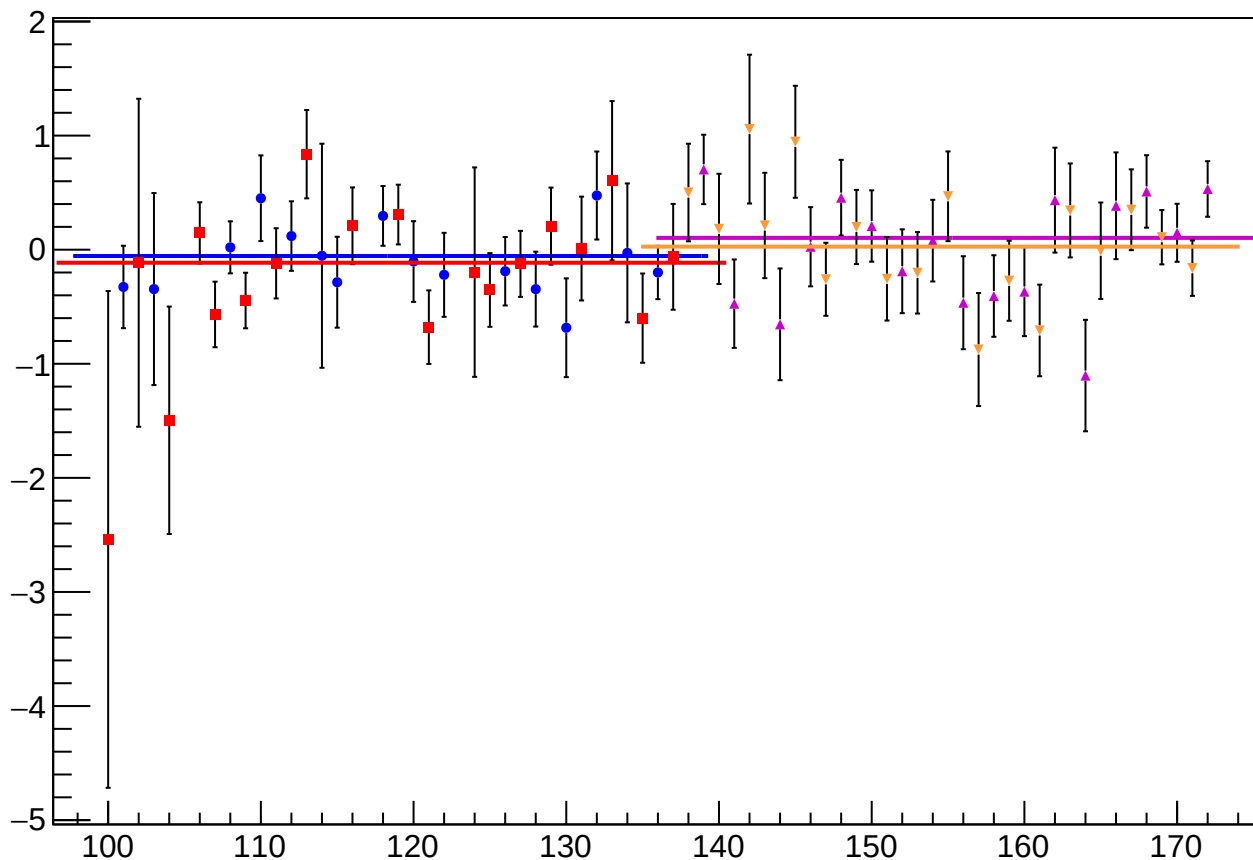
Left In: 306.090 $\pm$ 0.060 χ^2/NDF : 996318.2/16

+ sign 263.933 $\pm$ 0.043 χ^2/NDF : 3857883.5/33

All: 258.823 $\pm$ 0.030 χ^2/NDF : 8225505.1/69

- sign 253.959 $\pm$ 0.042 χ^2/NDF : 4339967.1/35

asym_usr_atr2_avg_eigen_dlt_vs_eigen_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

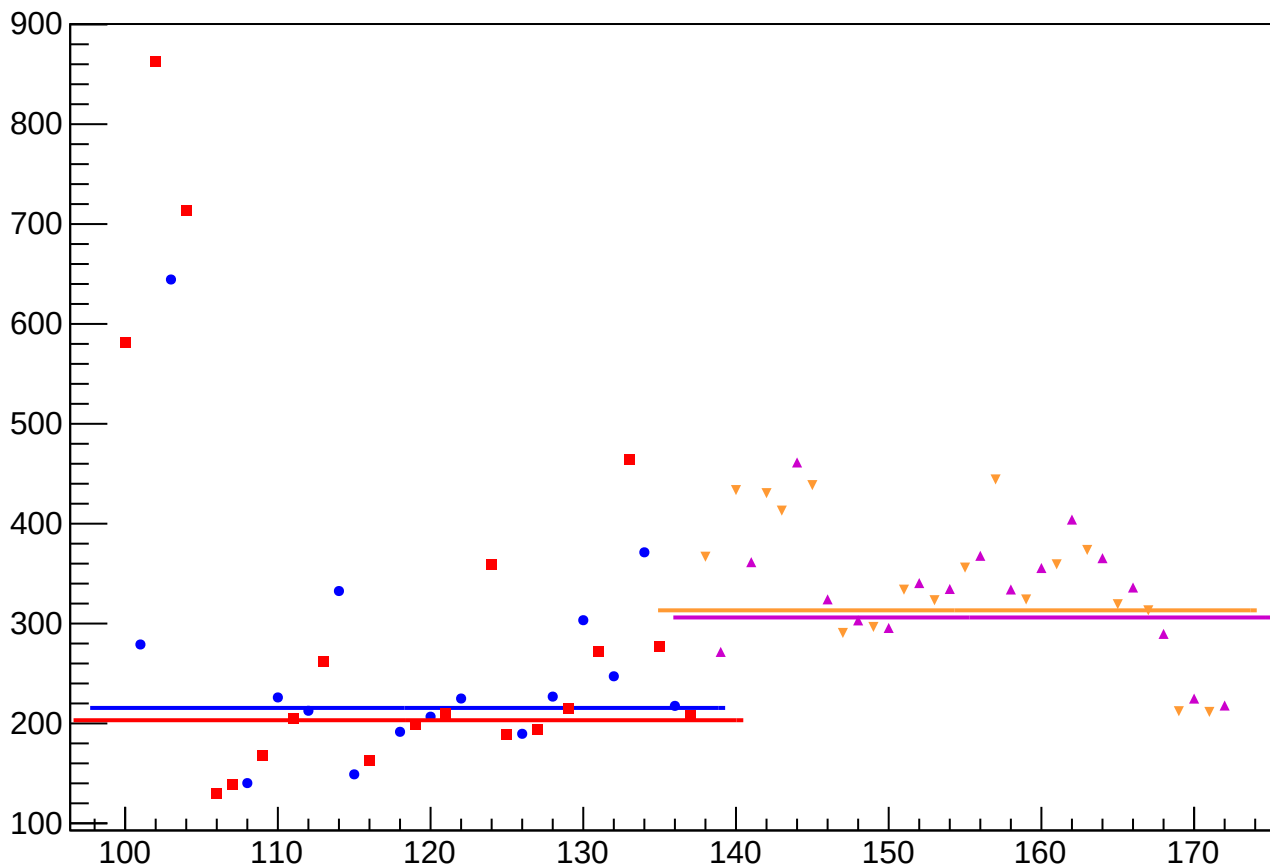
Left In: 0.103 ± 0.084 χ^2/NDF : 27.6/16

+ sign -0.015 ± 0.061 χ^2/NDF : 31.5/33

All: -0.011 ± 0.042 χ^2/NDF : 87.7/69

- sign -0.007 ± 0.059 χ^2/NDF : 56.2/35

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

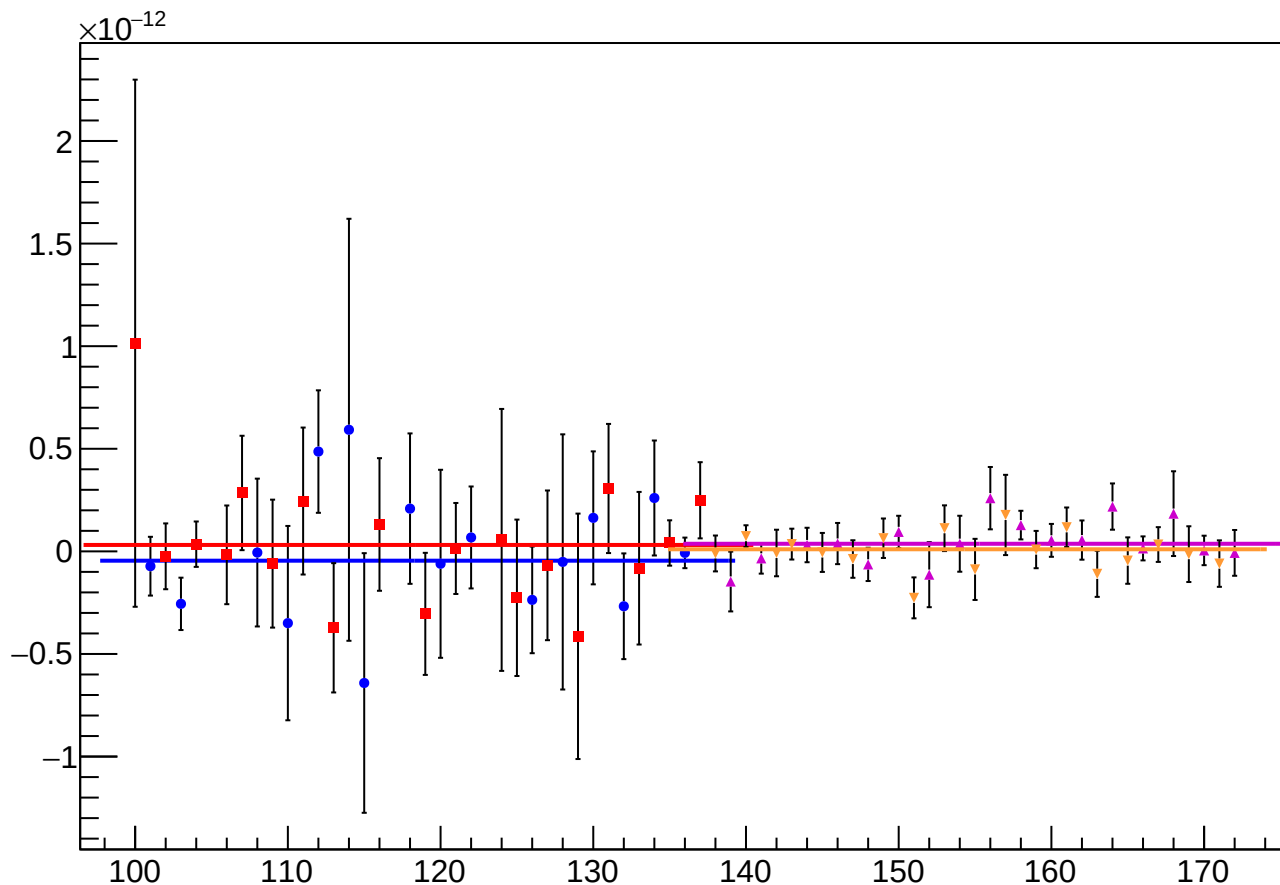
Left In: 306.090+/-0.060 χ^2/NDF : 996318.2/16

+ sign 263.933+/-0.043 χ^2/NDF : 3857883.5/33

All: 258.823+/-0.030 χ^2/NDF : 8225505.1/69

- sign 253.959+/-0.042 χ^2/NDF : 4339967.1/35

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

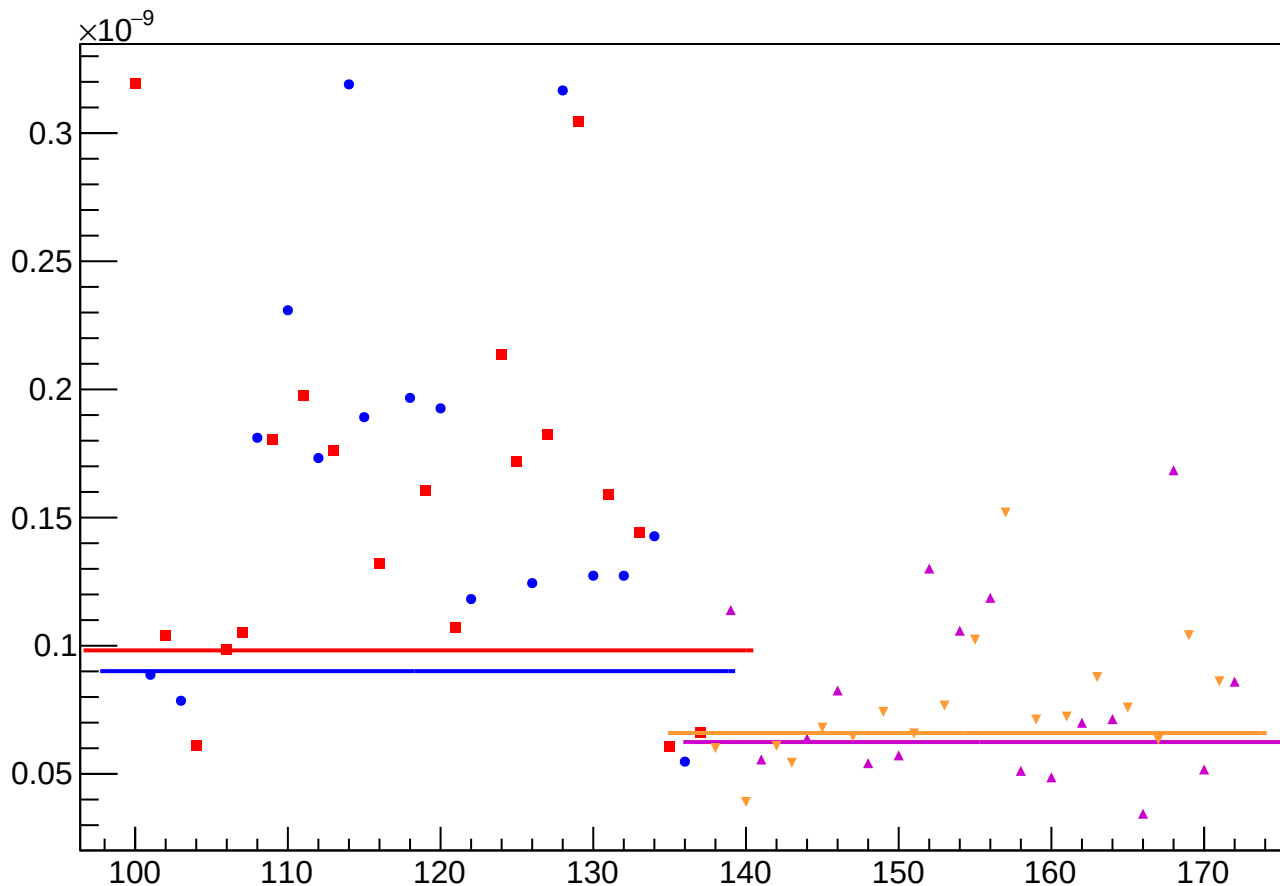
Left In: 0.000 ± 0.000 χ^2/NDF : 13.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 25.5/33

All: 0.000 ± 0.000 χ^2/NDF : 48.4/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.4/35

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1808066.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1445724.3/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1694726.3/18

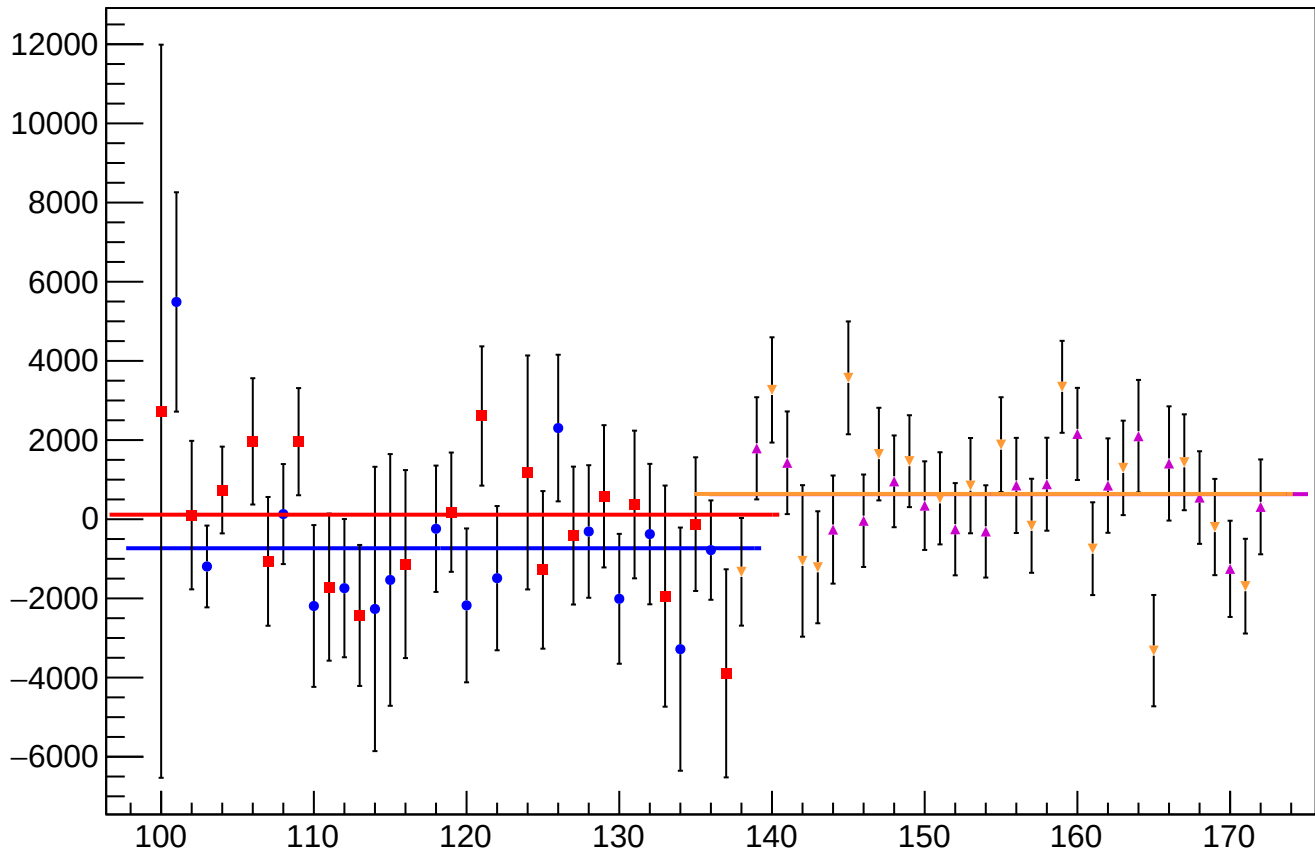
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2472946.9/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3642205.2/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8620944.2/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4967610.9/35

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

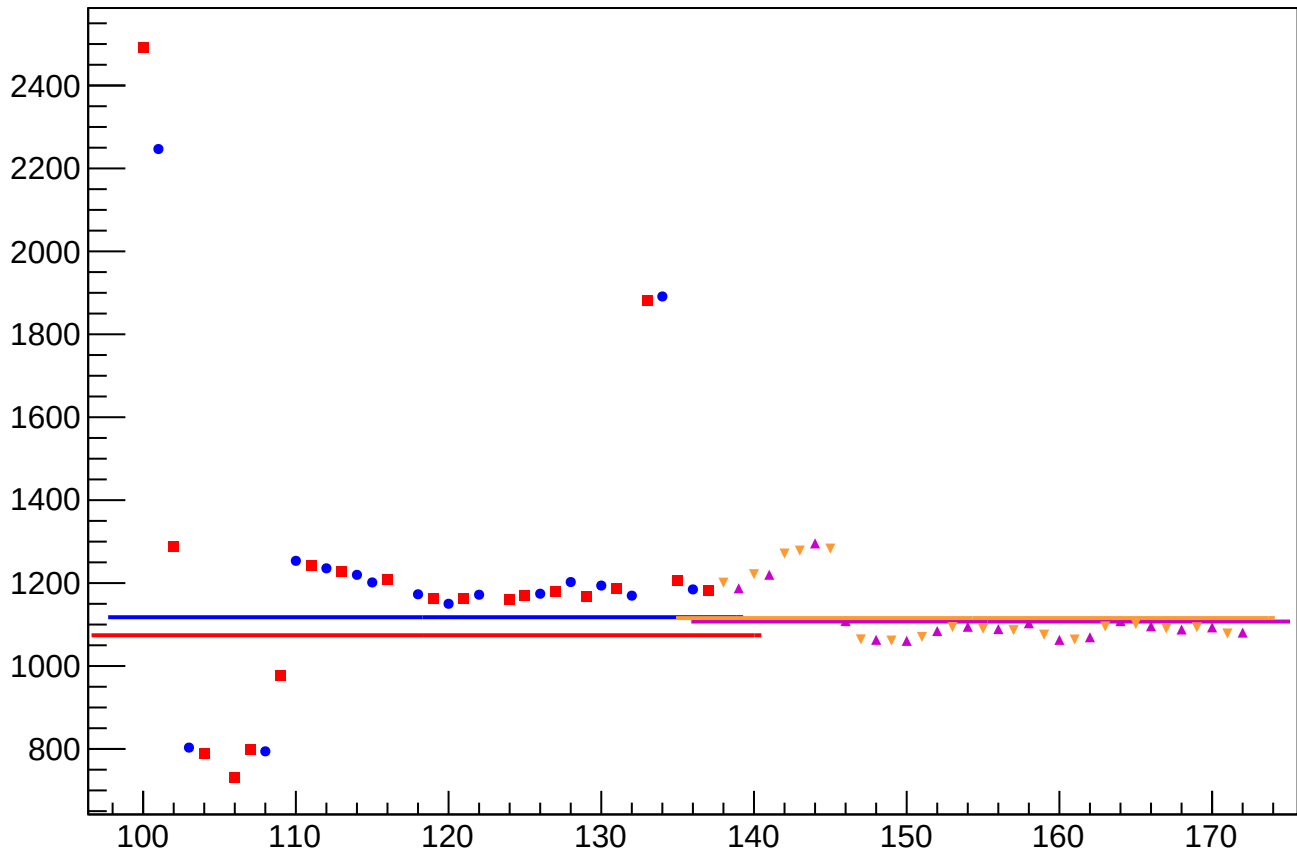
Left In: 633.772 ± 295.963 χ^2/NDF : 9.0/16

+ sign 194.279 ± 243.363 χ^2/NDF : 54.0/33

All: 327.267 ± 170.976 χ^2/NDF : 77.7/69

- sign 456.885 ± 240.259 χ^2/NDF : 23.1/35

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

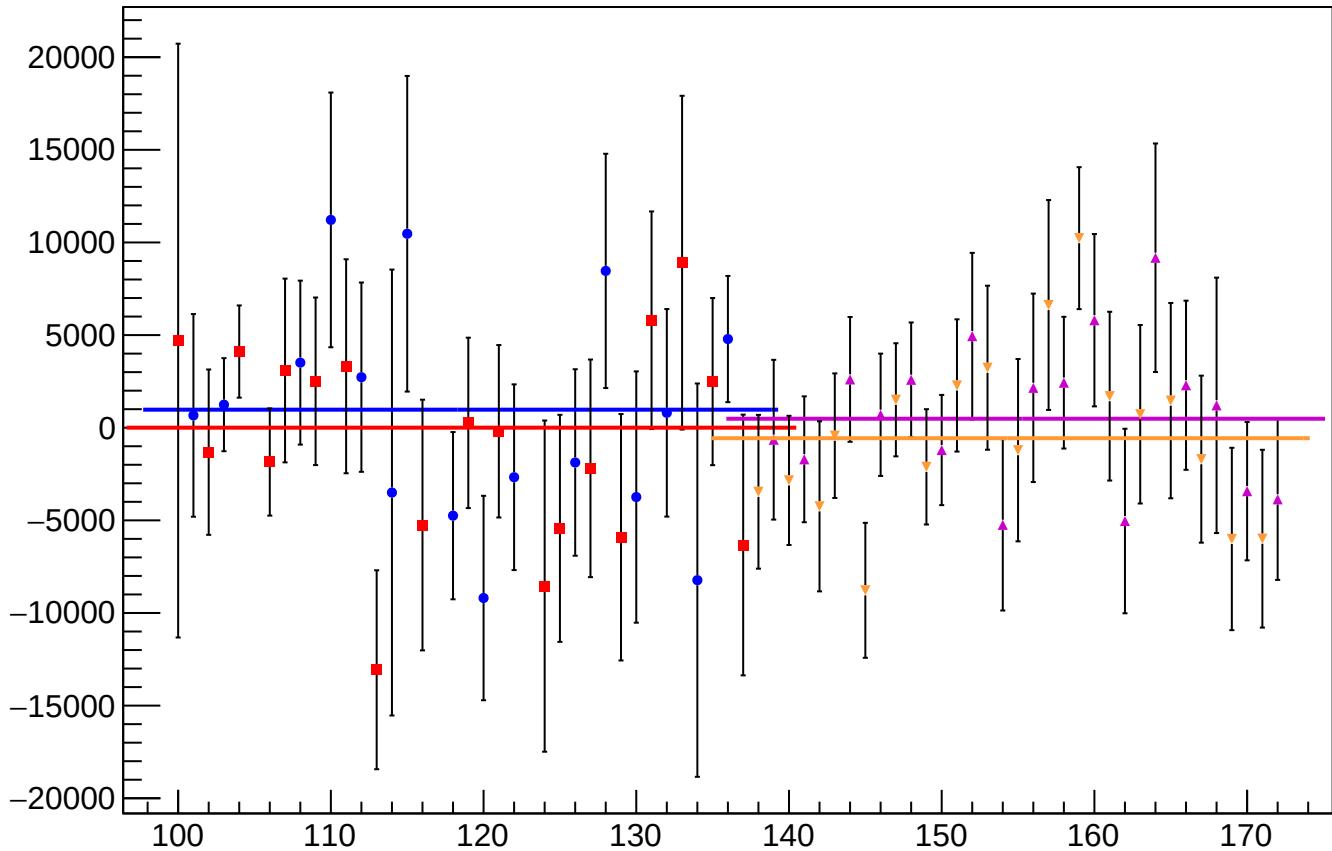
Left In: 1107.242 ± 0.209 χ^2/NDF : 75578.4/16

+ sign 1116.290 ± 0.172 χ^2/NDF : 932216.8/33

All: 1105.901 ± 0.121 χ^2/NDF : 1673101.6/69

- sign 1095.833 ± 0.169 χ^2/NDF : 733707.6/35

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 973.755 $\pm$ 1232.754 χ^2/NDF : 13.8/15

Left Out: -566.467 $\pm$ 956.296 χ^2/NDF : 21.3/17

Right Out: 2.885 $\pm$ 1113.897 χ^2/NDF : 16.6/18

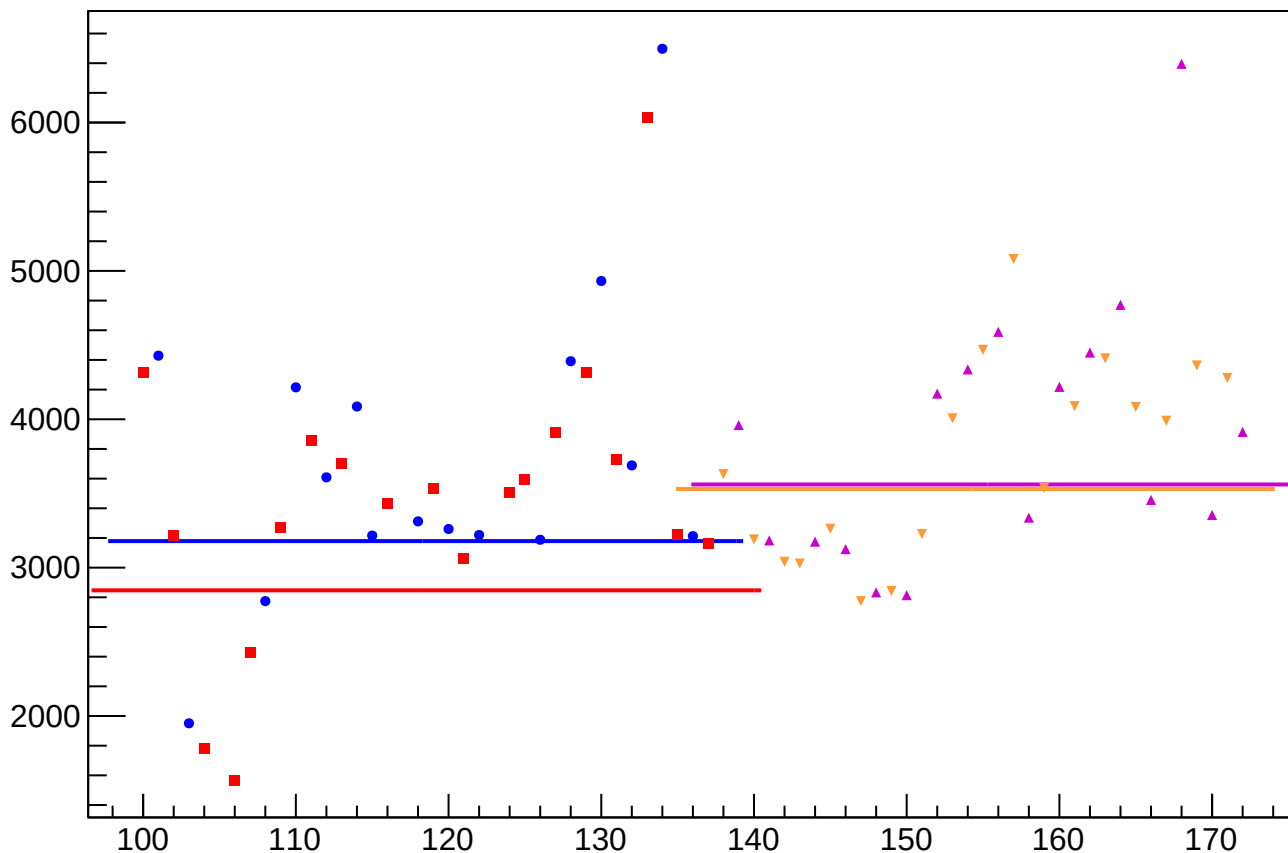
Left In: 484.743 $\pm$ 972.033 χ^2/NDF : 11.4/16

+ sign 12.182 $\pm$ 755.600 χ^2/NDF : 36.1/33

All: 148.430 $\pm$ 525.890 χ^2/NDF : 64.2/69

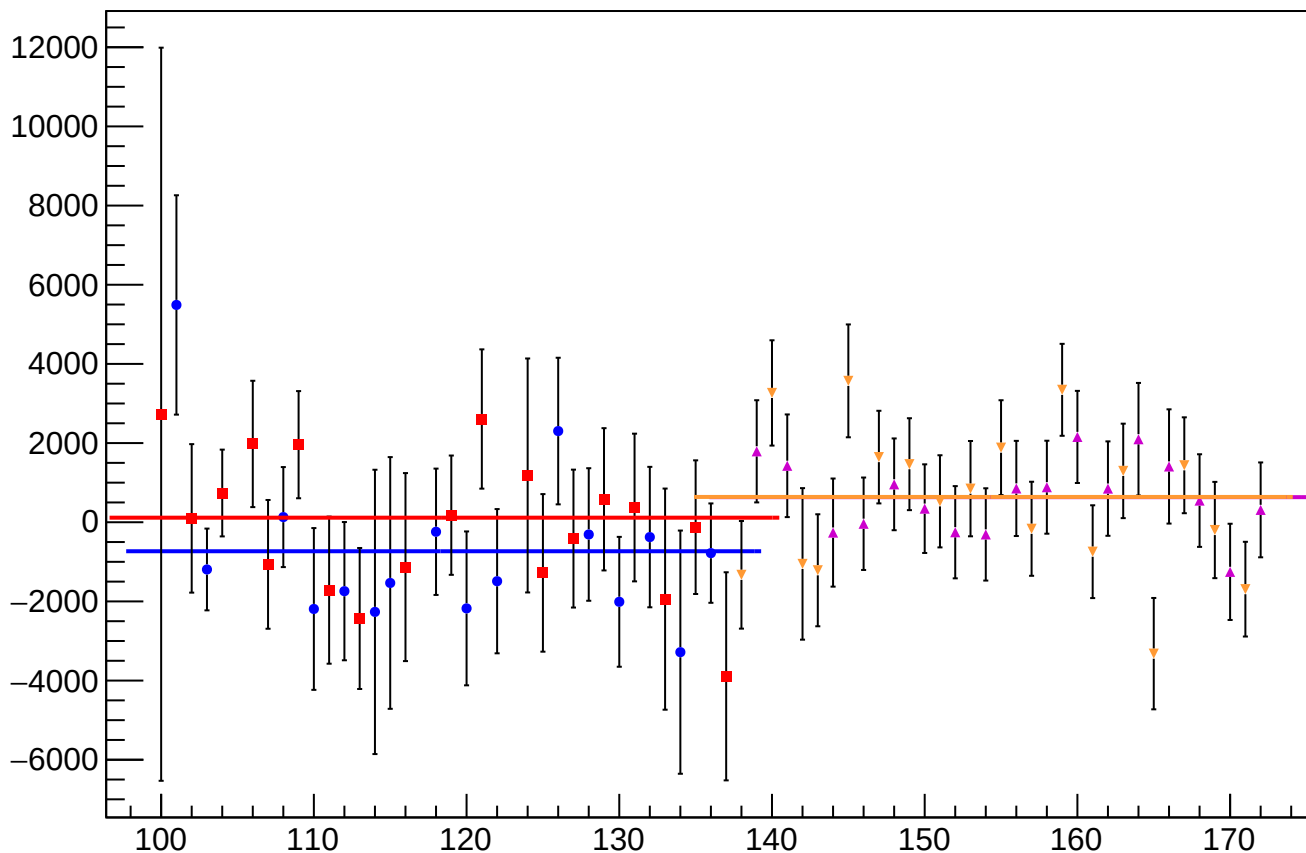
- sign 276.434 $\pm$ 732.384 χ^2/NDF : 28.0/35

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3178.870+/-0.872	χ^2/NDF : 1091676.8/15	+ sign 3398.105+/-0.534	χ^2/NDF : 2017475.5/33
Left Out: 3530.035+/-0.676	χ^2/NDF : 824477.5/17	All: 3322.811+/-0.372	χ^2/NDF : 5094878.3/69
Right Out: 2847.016+/-0.788	χ^2/NDF : 1511160.9/18	- sign 3252.072+/-0.518	χ^2/NDF : 3038884.8/35
Left In: 3560.523+/-0.687	χ^2/NDF : 1061866.2/16		

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

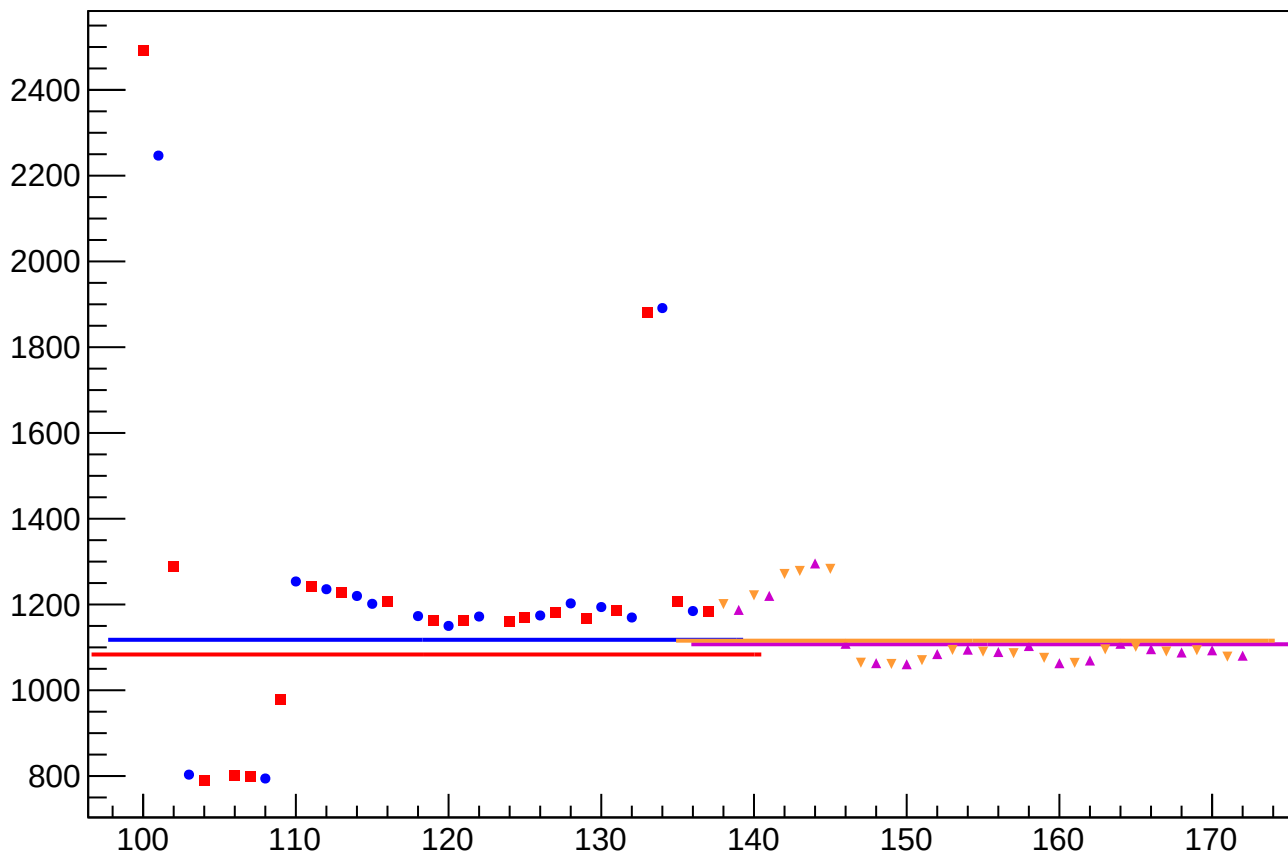
Left In: 633.735 ± 295.963 χ^2/NDF : 9.0/16

+ sign 194.361 ± 243.363 χ^2/NDF : 54.0/33

All: 327.342 ± 170.976 χ^2/NDF : 77.7/69

- sign 456.954 ± 240.260 χ^2/NDF : 23.2/35

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2 /NDF: 819831.7/15

Left Out: 1115.622 $\pm$ 0.209 χ^2 /NDF: 112350.2/17

Right Out: 1083.421 $\pm$ 0.290 χ^2 /NDF: 595016.7/18

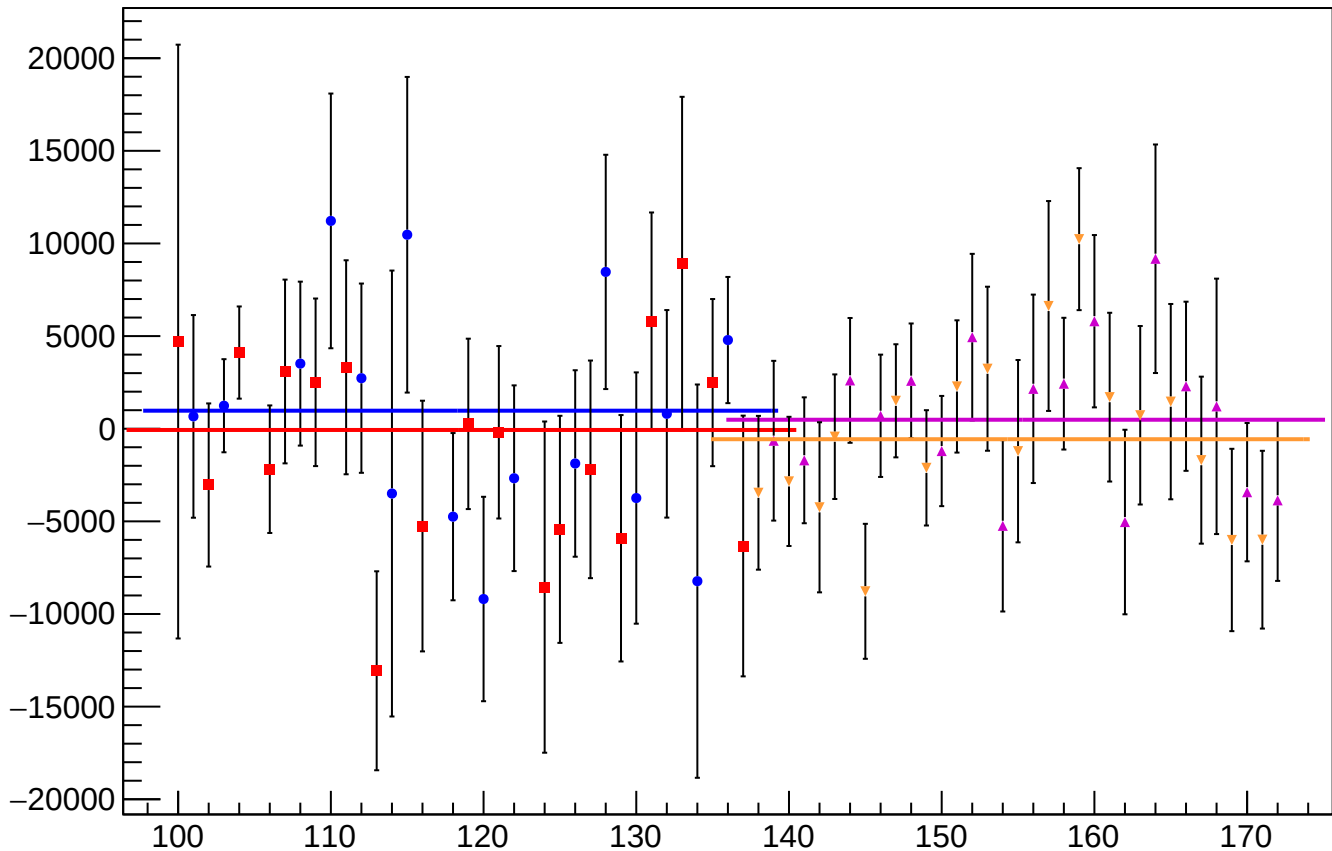
Left In: 1107.242 $\pm$ 0.209 χ^2 /NDF: 75578.4/16

+ sign 1116.290 $\pm$ 0.172 χ^2 /NDF: 932213.4/33

All: 1107.578 $\pm$ 0.121 χ^2 /NDF: 1612295.4/69

- sign 1099.098 $\pm$ 0.170 χ^2 /NDF: 675024.1/35

asym_usr_atr2_dd_cor_correction_mean vs Slug



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

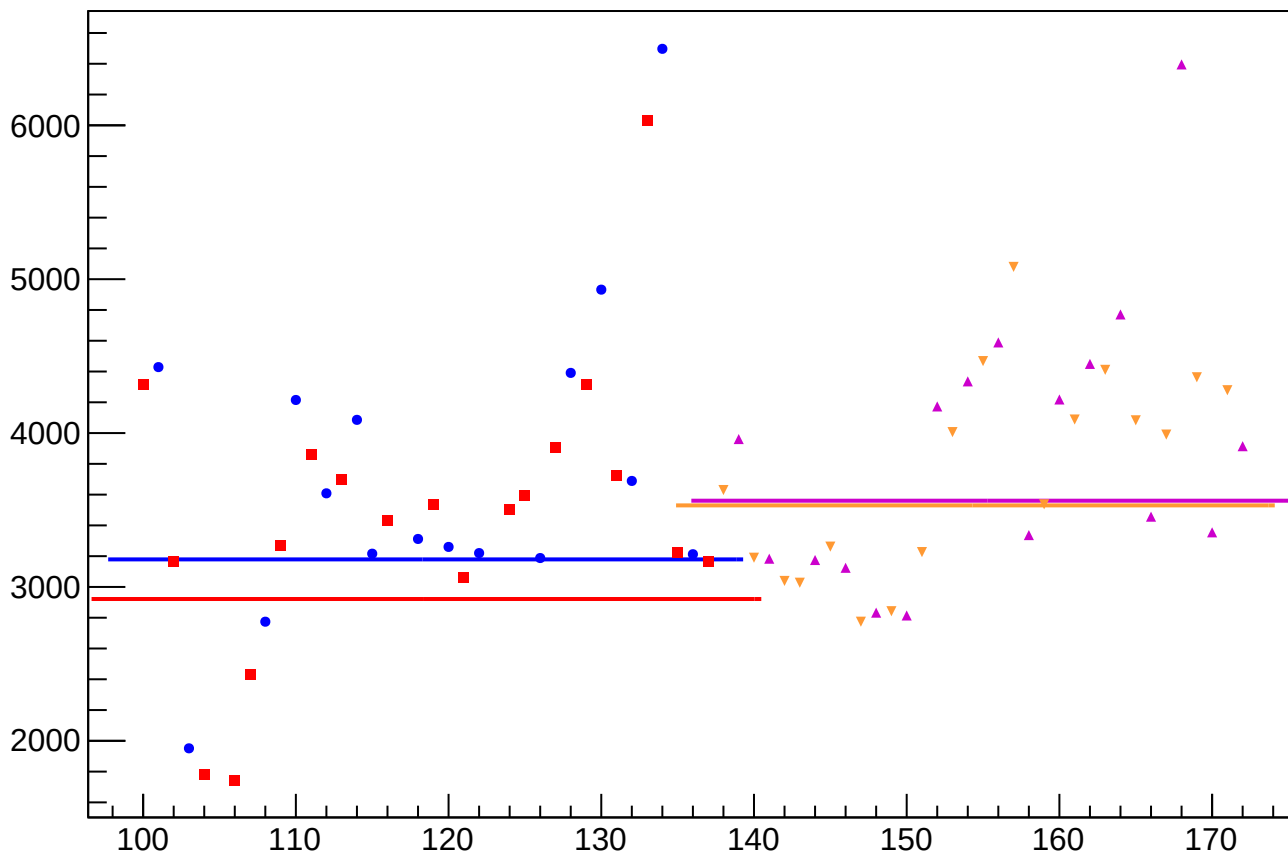
Left In: 484.741+/-972.032 χ^2/NDF : 11.4/16

+ sign 11.960+/-755.611 χ^2/NDF : 36.1/33

All: 134.598+/-528.356 χ^2/NDF : 64.6/69

- sign 251.928+/-739.081 χ^2/NDF : 28.5/35

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

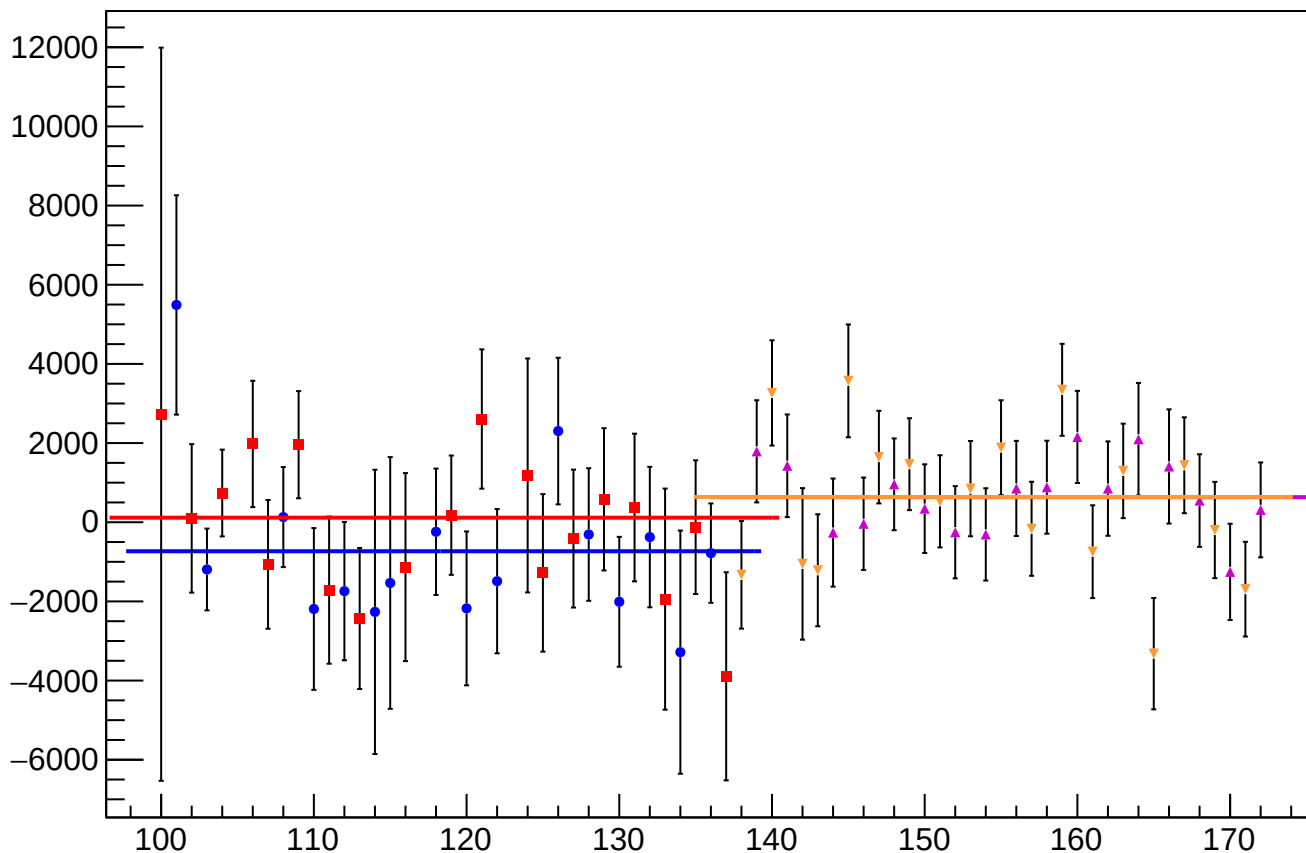
Left In: 3560.520+/-0.687 χ^2/NDF : 1061869.9/16

+ sign 3398.179+/-0.534 χ^2/NDF : 2016923.9/33

All: 3343.401+/-0.374 χ^2/NDF : 4776743.5/69

- sign 3290.994+/-0.523 χ^2/NDF : 2739252.7/35

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

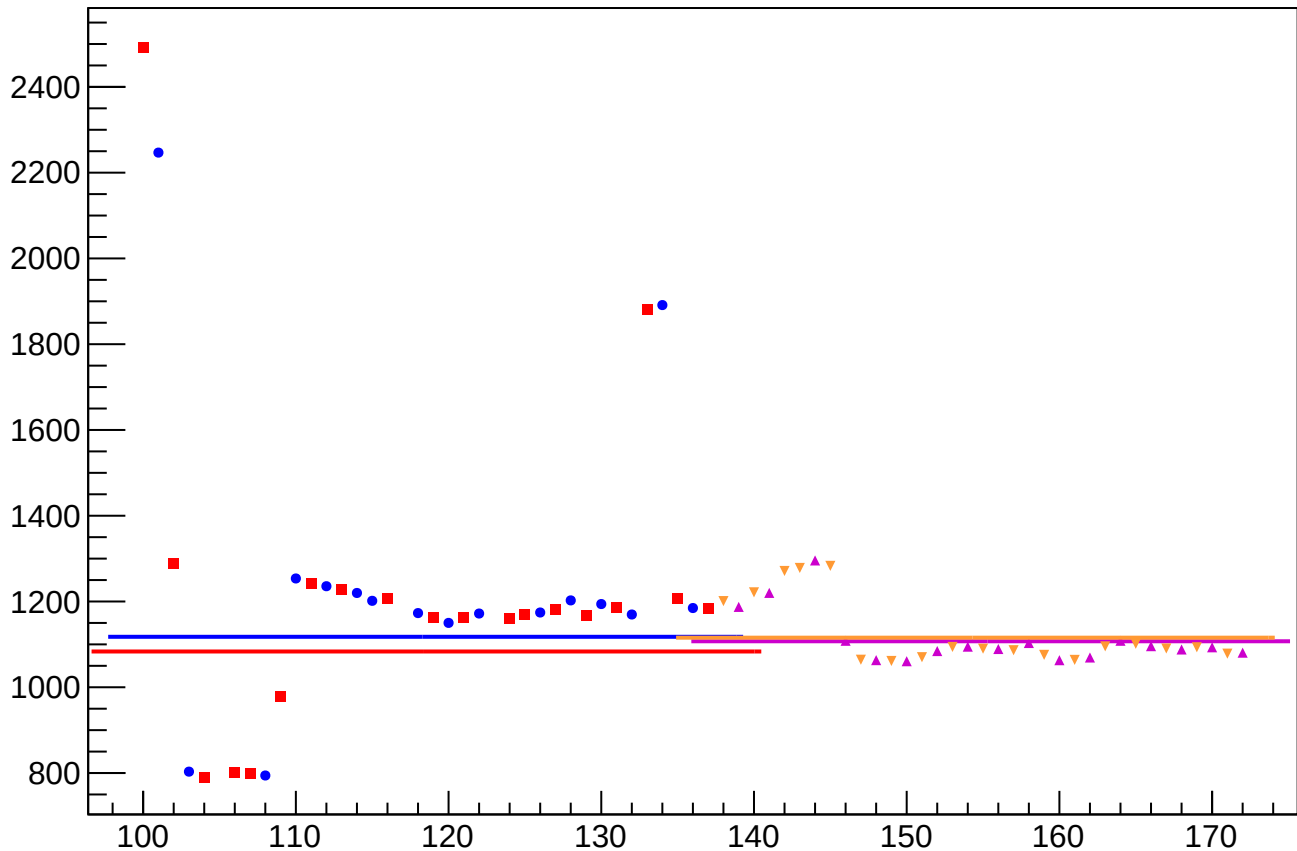
Left In: 633.735 ± 295.963 χ^2/NDF : 9.0/16

+ sign 194.361 ± 243.363 χ^2/NDF : 54.0/33

All: 327.342 ± 170.976 χ^2/NDF : 77.7/69

- sign 456.954 ± 240.260 χ^2/NDF : 23.2/35

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1117.684 $\pm$ 0.302 χ^2/NDF : 819831.7/15

Left Out: 1115.622 $\pm$ 0.209 χ^2/NDF : 112350.2/17

Right Out: 1083.421 $\pm$ 0.290 χ^2/NDF : 595016.7/18

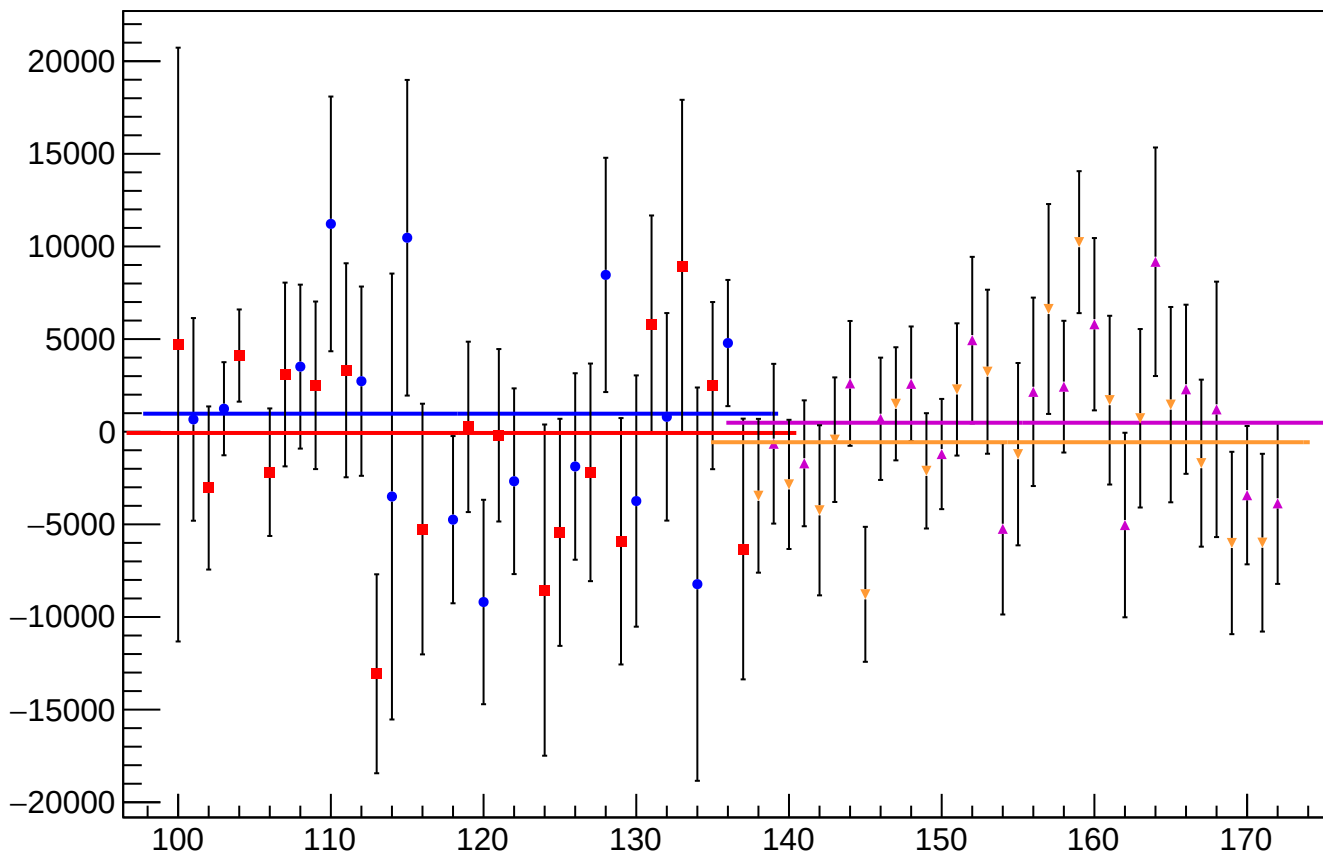
Left In: 1107.242 $\pm$ 0.209 χ^2/NDF : 75578.4/16

+ sign 1116.290 $\pm$ 0.172 χ^2/NDF : 932213.4/33

All: 1107.578 $\pm$ 0.121 χ^2/NDF : 1612295.4/69

- sign 1099.098 $\pm$ 0.170 χ^2/NDF : 675024.1/35

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



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

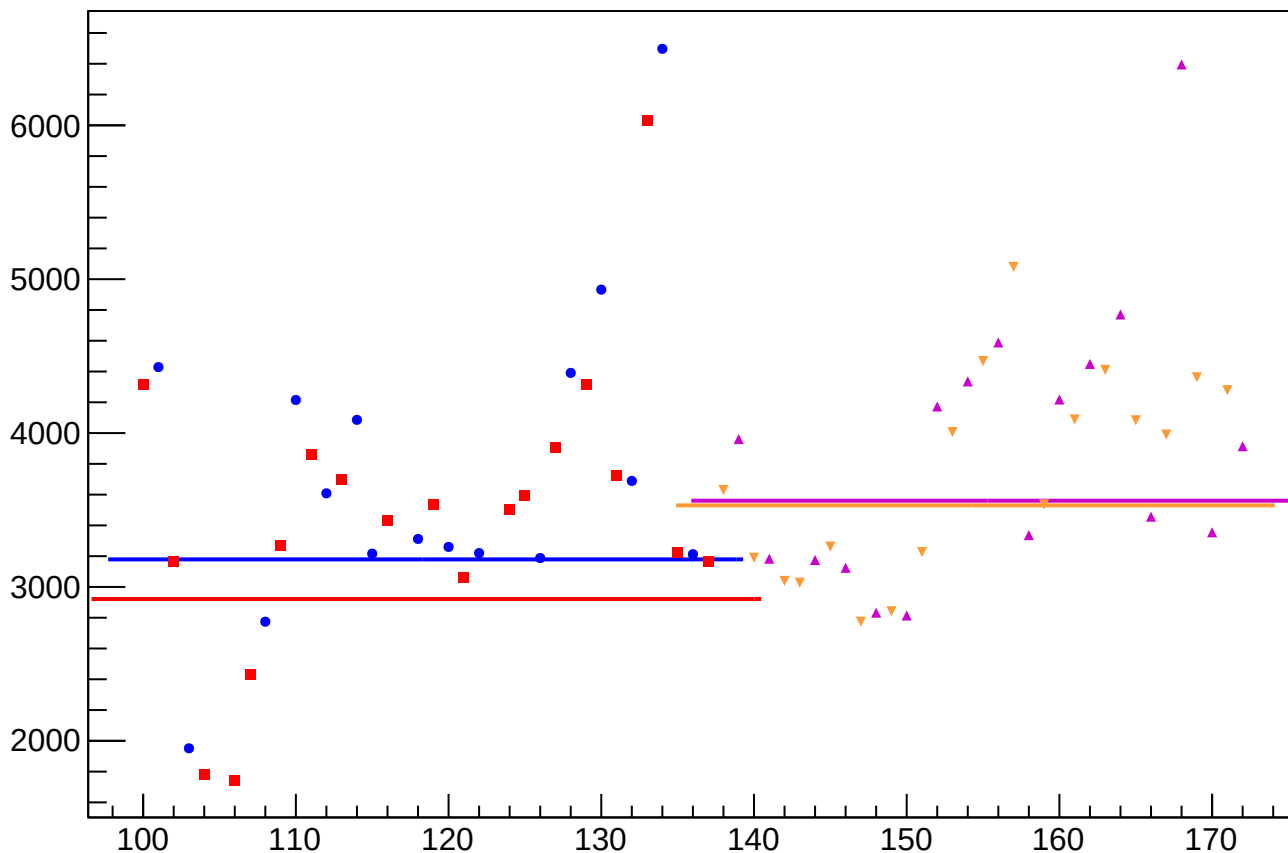
Left In: 484.741+/-972.032 χ^2/NDF : 11.4/16

+ sign 11.960+/-755.611 χ^2/NDF : 36.1/33

All: 134.598+/-528.356 χ^2/NDF : 64.6/69

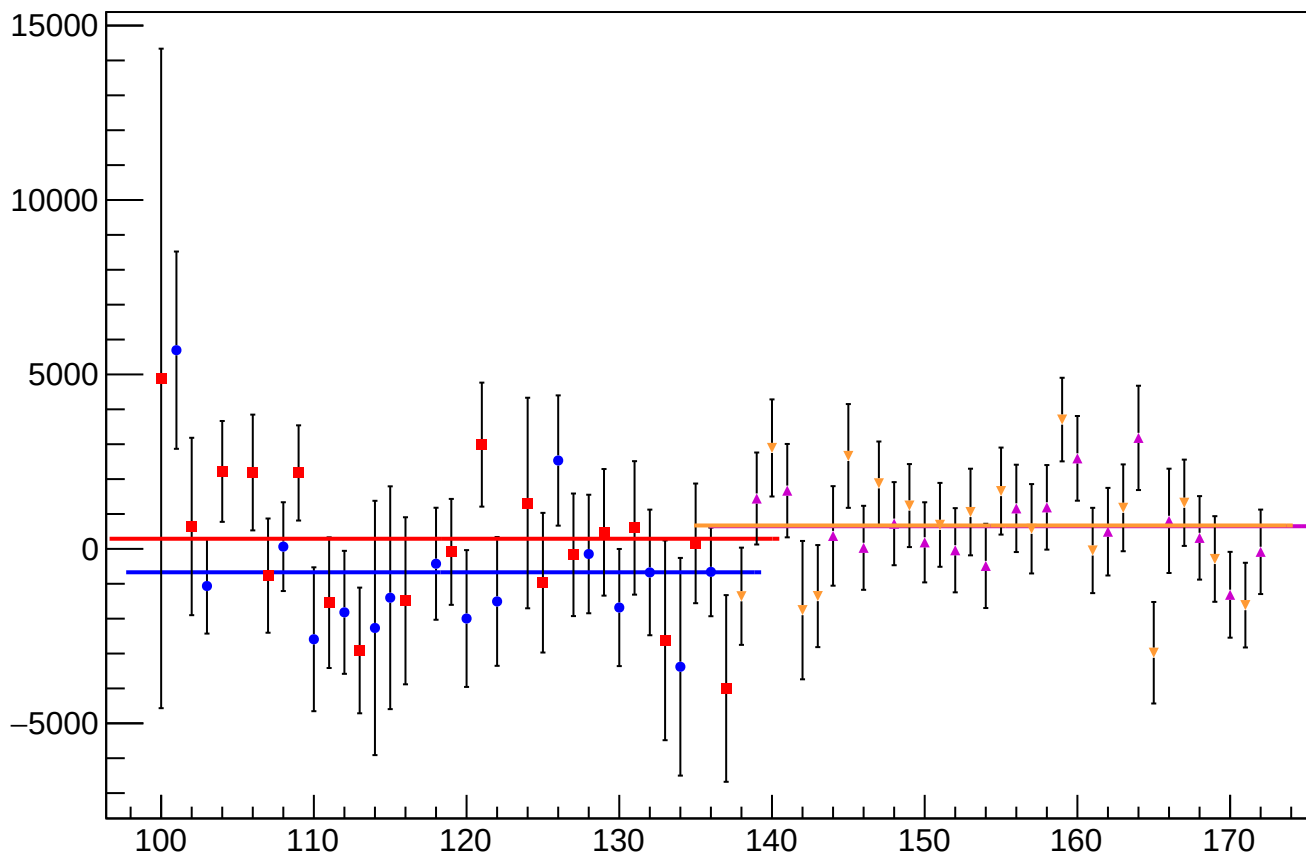
- sign 251.928+/-739.081 χ^2/NDF : 28.5/35

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3179.054+/-0.872	χ^2/NDF : 1091236.5/15	+ sign 3398.179+/-0.534	χ^2/NDF : 2016923.9/33
Left Out: 3530.031+/-0.676	χ^2/NDF : 824480.0/17	All: 3343.401+/-0.374	χ^2/NDF : 4776743.5/69
Right Out: 2921.641+/-0.805	χ^2/NDF : 1312890.1/18	- sign 3290.994+/-0.523	χ^2/NDF : 2739252.7/35
Left In: 3560.520+/-0.687	χ^2/NDF : 1061869.9/16		

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

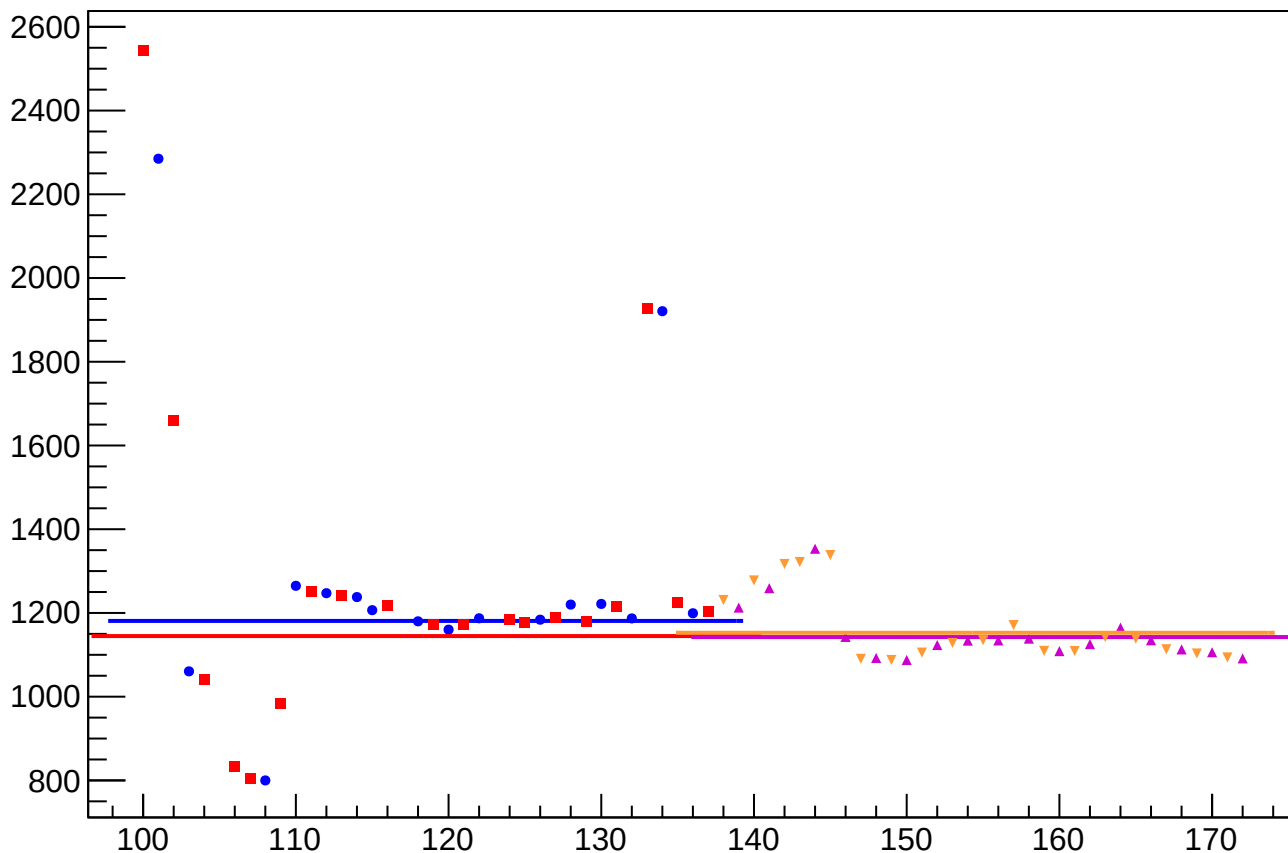
Left In: 649.038+/-305.432 χ^2/NDF : 11.5/16

+ sign 244.697+/-252.760 χ^2/NDF : 47.5/33

All: 389.184+/-177.693 χ^2/NDF : 77.0/69

- sign 530.373+/-249.858 χ^2/NDF : 28.8/35

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

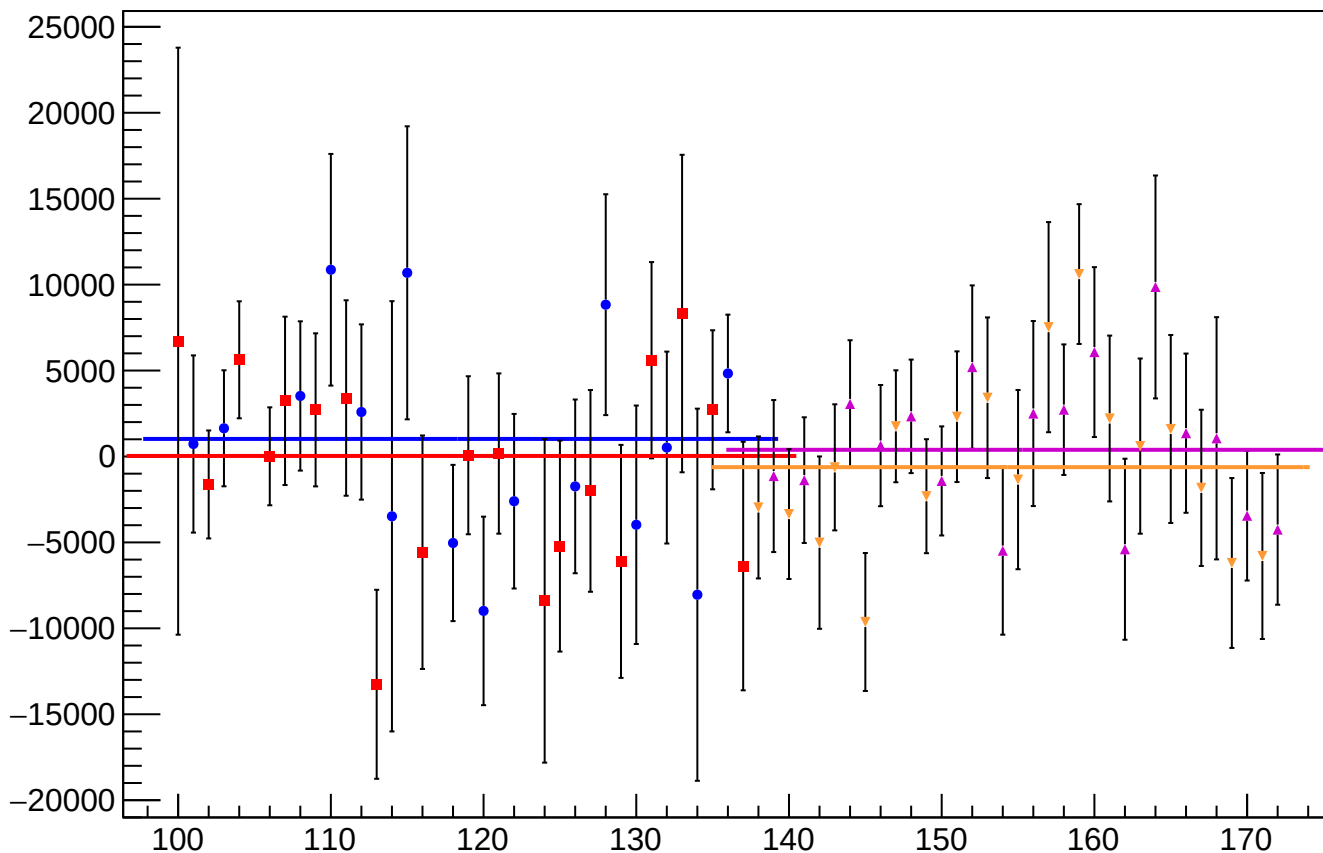
Left In: 1142.444+/-0.216 χ^2/NDF : 82318.7/16

+ sign 1161.666+/-0.179 χ^2/NDF : 752818.4/33

All: 1152.333+/-0.126 χ^2/NDF : 1338296.5/69

- sign 1143.216+/-0.177 χ^2/NDF : 580087.9/35

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

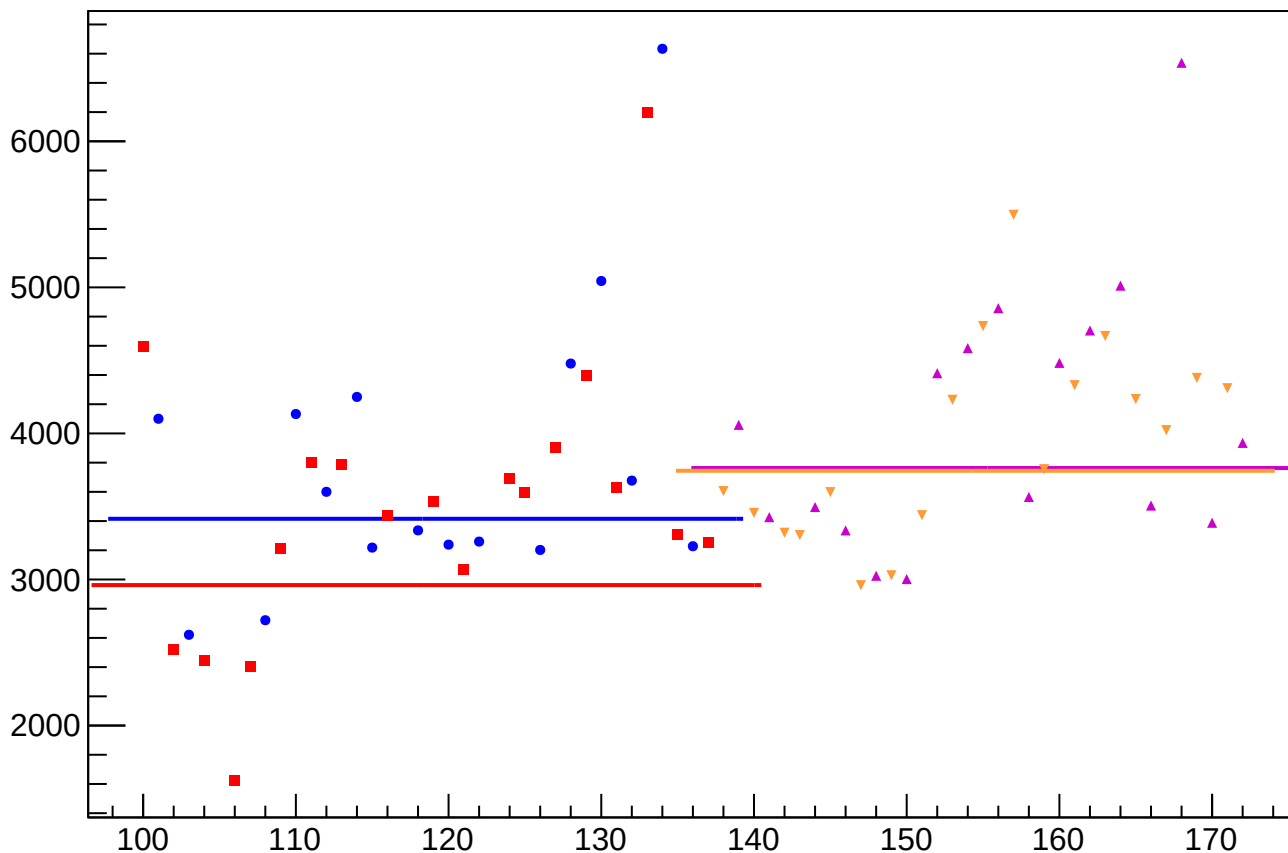
Left In: 388.095+/-1025.969 χ^2/NDF : 11.4/16

+ sign -2.756+/-799.243 χ^2/NDF : 36.1/33

All: 117.647+/-550.683 χ^2/NDF : 63.8/69

- sign 226.464+/-759.817 χ^2/NDF : 27.6/35

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3415.595 $\pm$ 0.921 χ^2/NDF : 592344.0/15

Left Out: 3744.349 $\pm$ 0.716 χ^2/NDF : 718676.0/17

Right Out: 2961.798 $\pm$ 0.800 χ^2/NDF : 1169257.4/18

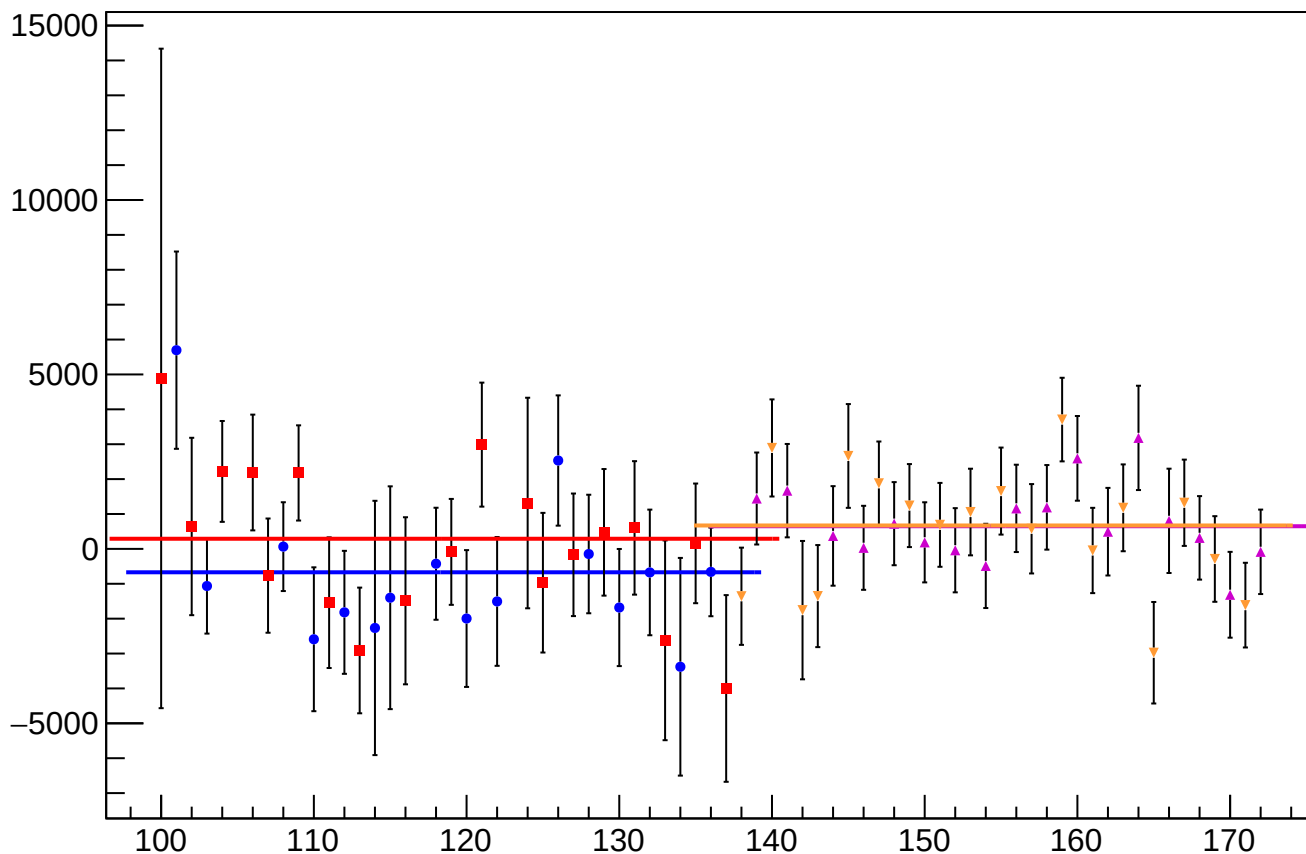
Left In: 3763.075 $\pm$ 0.725 χ^2/NDF : 981323.3/16

+ sign 3620.549 $\pm$ 0.565 χ^2/NDF : 1390461.8/33

All: 3505.368 $\pm$ 0.389 χ^2/NDF : 4170947.9/69

- sign 3401.271 $\pm$ 0.537 χ^2/NDF : 2701409.6/35

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

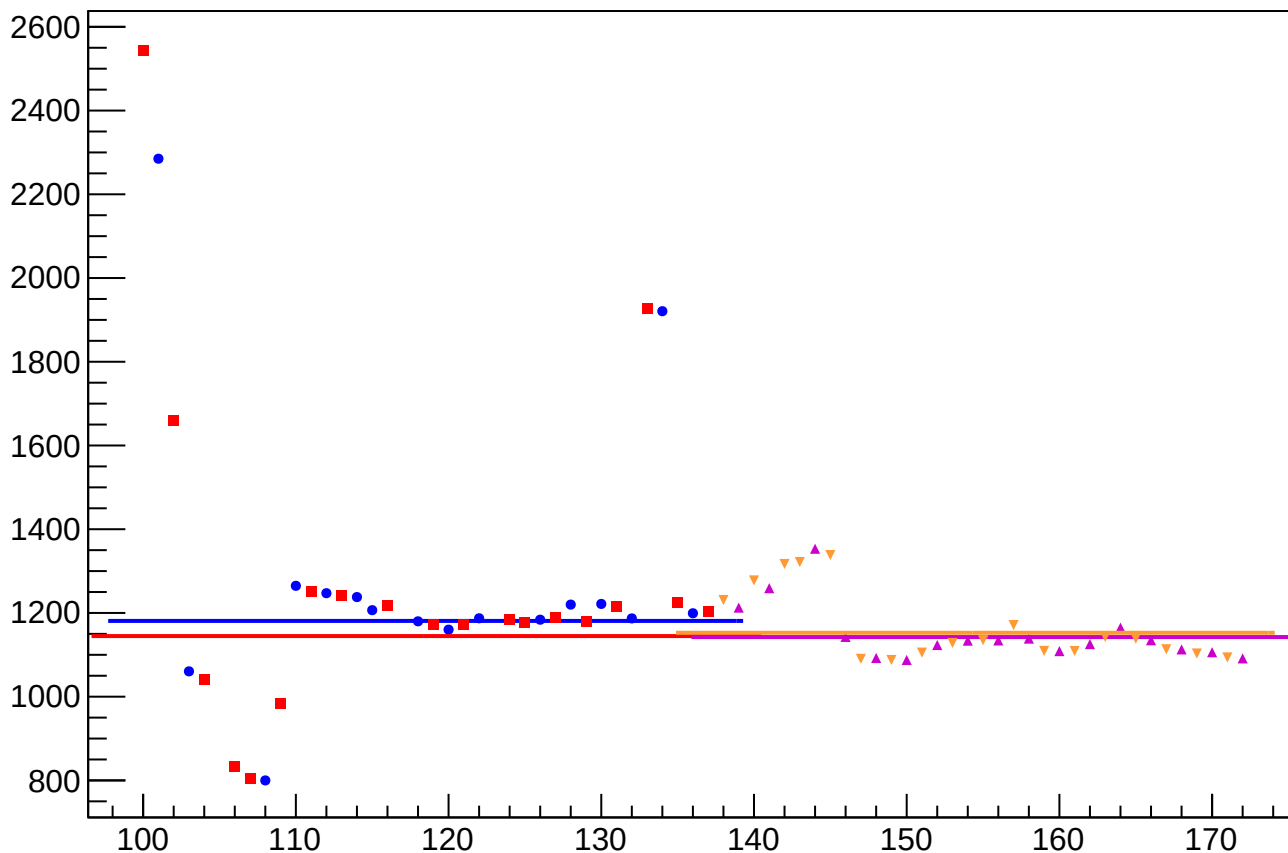
Left In: 649.039 ± 305.432 χ^2/NDF : 11.5/16

+ sign 244.699 ± 252.760 χ^2/NDF : 47.5/33

All: 389.186 ± 177.693 χ^2/NDF : 77.0/69

- sign 530.376 ± 249.858 χ^2/NDF : 28.8/35

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1180.955 $\pm$ 0.317 χ^2 /NDF: 621878.9/15

Left Out: 1152.689 $\pm$ 0.216 χ^2 /NDF:125518.3/17

Right Out: 1144.777 $\pm$ 0.307 χ^2 /NDF: 497730.2/18

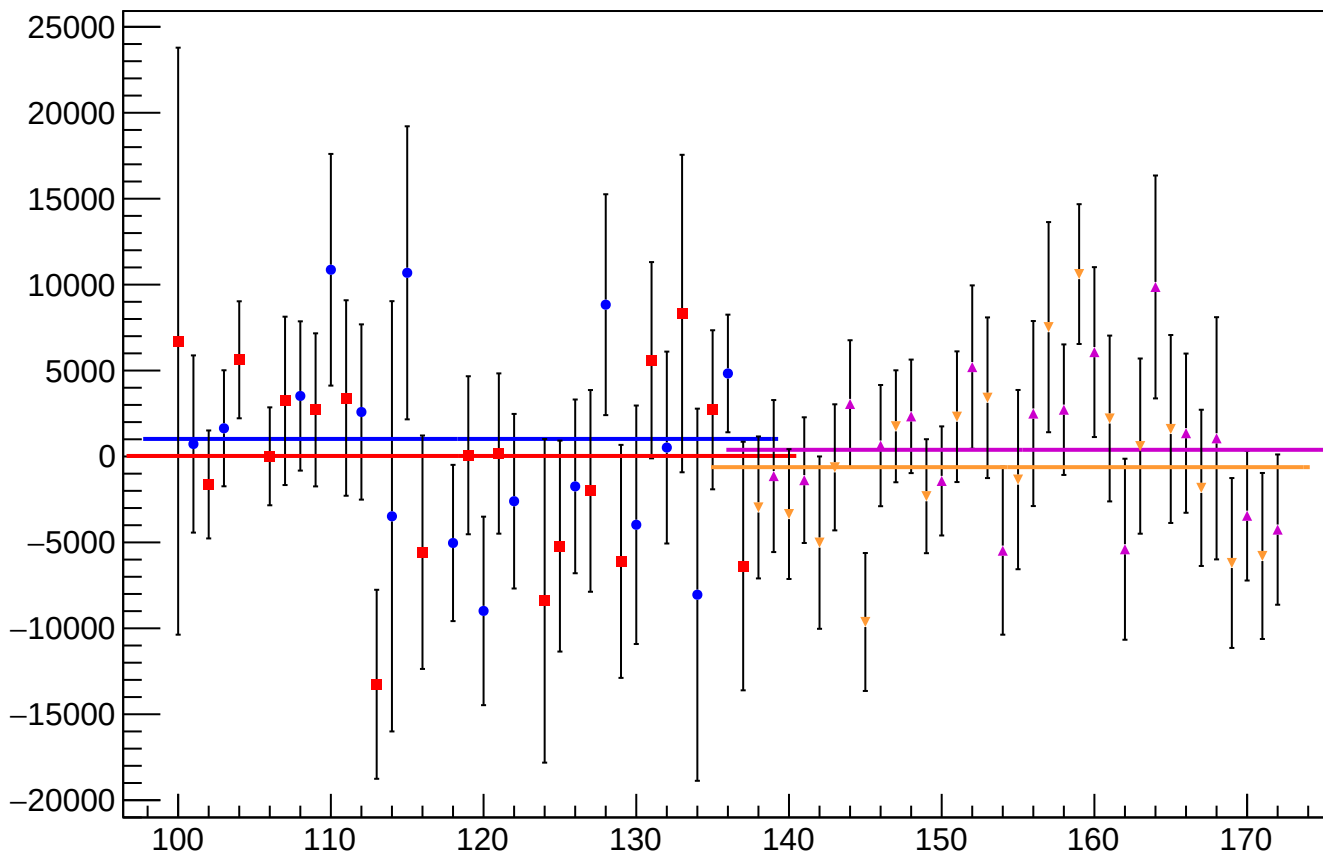
Left In: 1142.445 $\pm$ 0.216 χ^2 /NDF:82318.3/16

+ sign 1161.666 $\pm$ 0.179 χ^2 /NDF: 752818.3/33

All: 1152.334 $\pm$ 0.126 χ^2 /NDF: 1338295.5/69

- sign 1143.217 $\pm$ 0.177 χ^2 /NDF: 580087.1/35

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



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

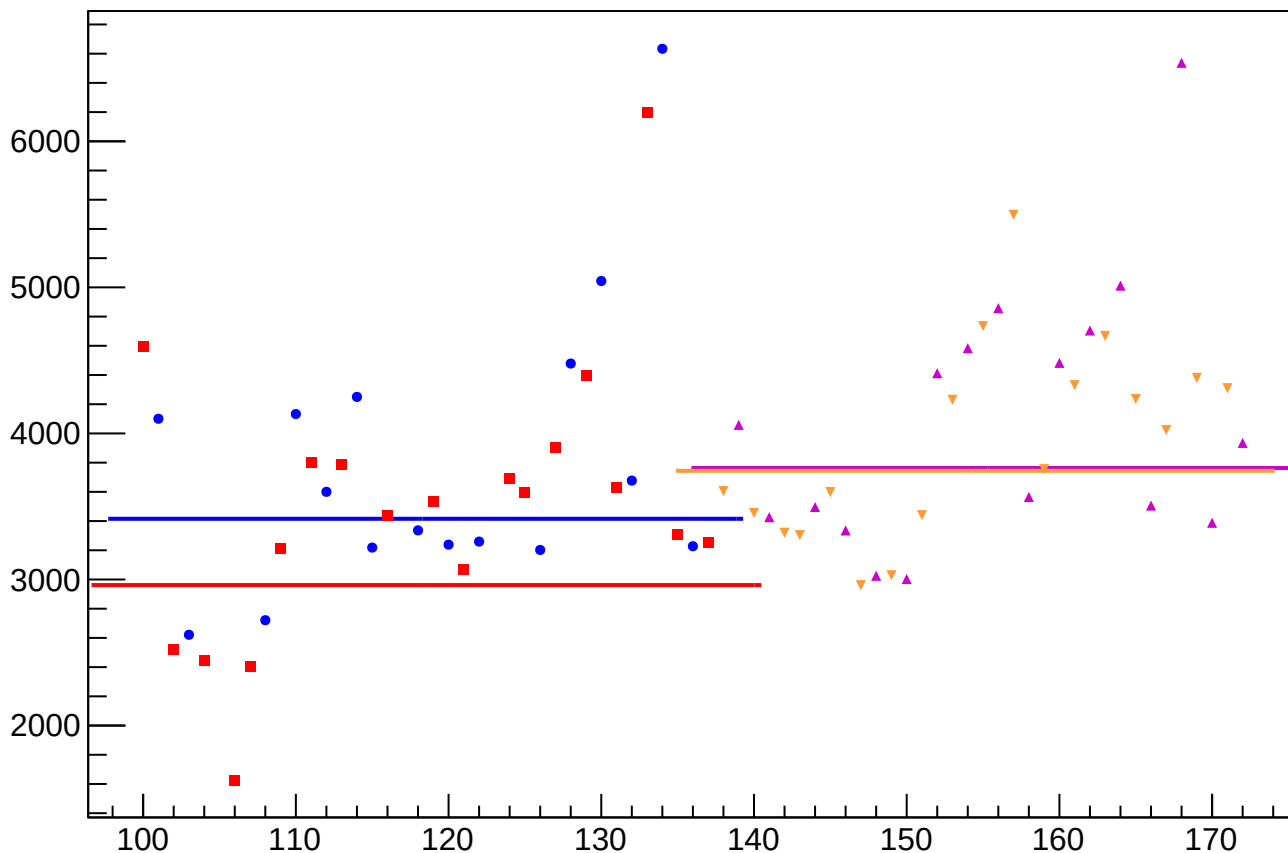
Left In: 388.092+/-1025.970 χ^2/NDF : 11.4/16

+ sign -2.761+/-799.244 χ^2/NDF : 36.1/33

All: 117.645+/-550.683 χ^2/NDF : 63.8/69

- sign 226.465+/-759.817 χ^2/NDF : 27.6/35

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3415.591 $\pm$ 0.921 χ^2 /NDF: 592339.1/15

Left Out: 3744.354 $\pm$ 0.716 χ^2 /NDF: 718675.0/17

Right Out: 2961.793 $\pm$ 0.800 χ^2 /NDF: 1169257.0/18

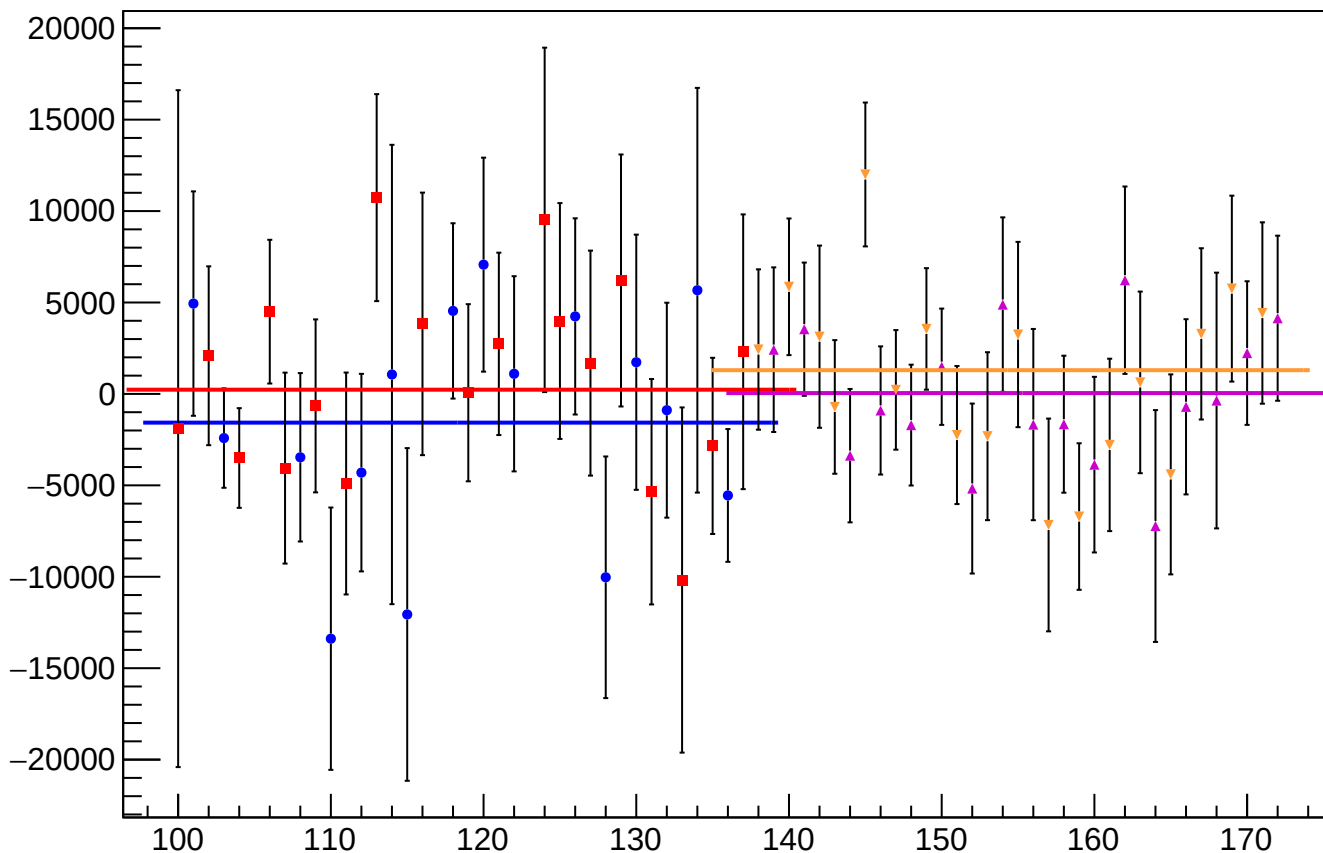
Left In: 3763.079 $\pm$ 0.725 χ^2 /NDF: 981323.7/16

+ sign 3620.551 $\pm$ 0.565 χ^2 /NDF: 1390460.1/33

All: 3505.369 $\pm$ 0.389 χ^2 /NDF: 4170961.3/69

- sign 3401.270 $\pm$ 0.537 χ^2 /NDF: 2701423.0/35

asym_usr_atr2_dd_mean vs Slug



Right In: -1569.809 ± 1312.937 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 1298.378 ± 1010.315 $\chi^2/\text{NDF}: 20.9/17$

Right Out: 231.125 ± 1224.318 $\chi^2/\text{NDF}: 13.2/18$

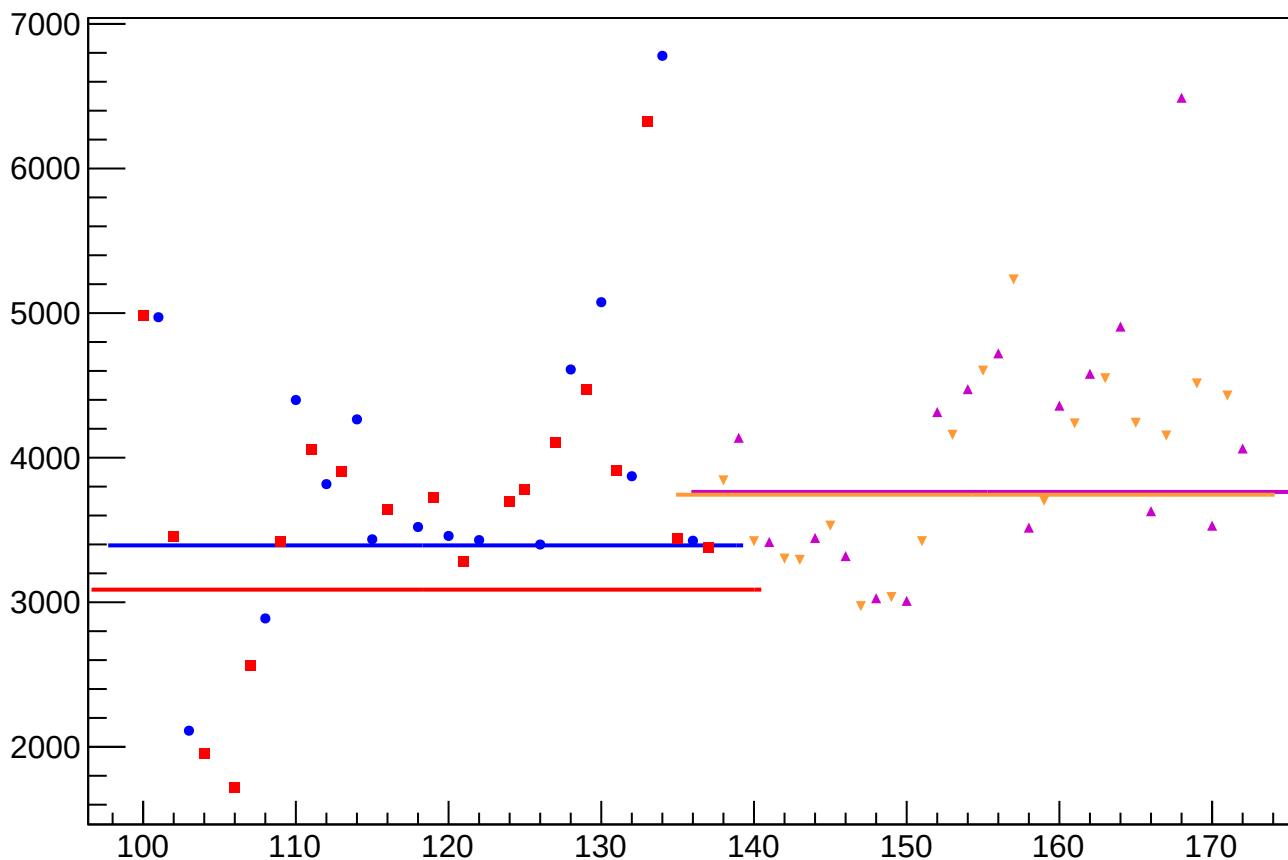
Left In: 46.541 ± 1023.843 $\chi^2/\text{NDF}: 9.8/16$

+ sign 231.655 ± 800.693 $\chi^2/\text{NDF}: 38.4/33$

All: 176.028 ± 560.693 $\chi^2/\text{NDF}: 61.5/69$

- sign 122.503 ± 785.408 $\chi^2/\text{NDF}: 23.1/35$

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

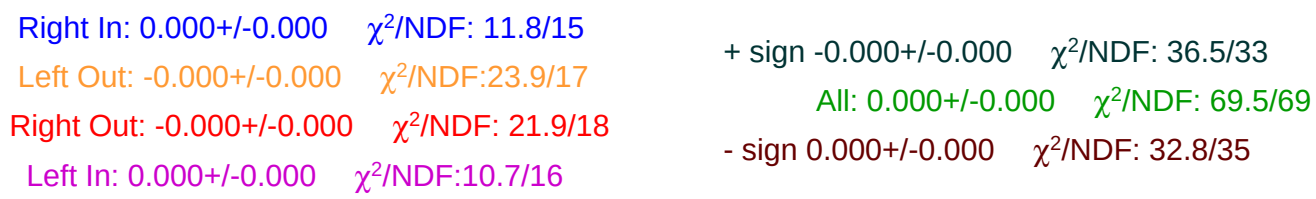
Right Out: 3087.307 ± 0.851 χ^2/NDF : 1328355.8/18

Left In: 3763.020 ± 0.724 χ^2/NDF : 907169.8/16

+ sign 3613.569 ± 0.566 χ^2/NDF : 1817861.1/33

All: 3544.721 ± 0.395 χ^2/NDF : 4447852.4/69

- sign 3479.399 ± 0.551 χ^2/NDF : 2601174.5/35

$\times 10^{-12}$ 

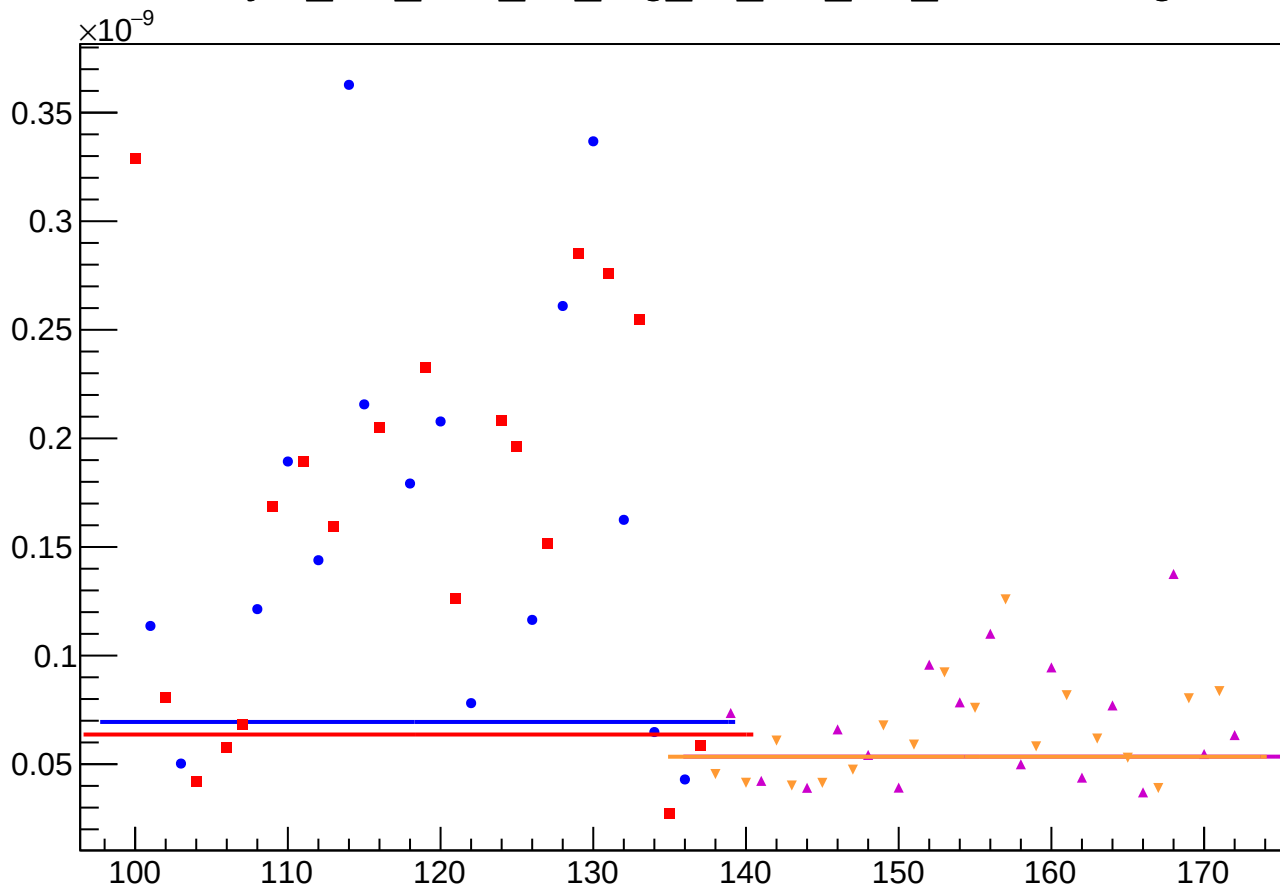
+ sign -0.000+/-0.000 χ^2/NDF : 36.5/33

All: 0.000+/-0.000 χ^2 /NDF: 69.5/69

- sign 0.000+/-0.000 χ^2/NDF : 32.8/35

Left In: 0.000+/-0.000 χ^2/NDF :10.7/16

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



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

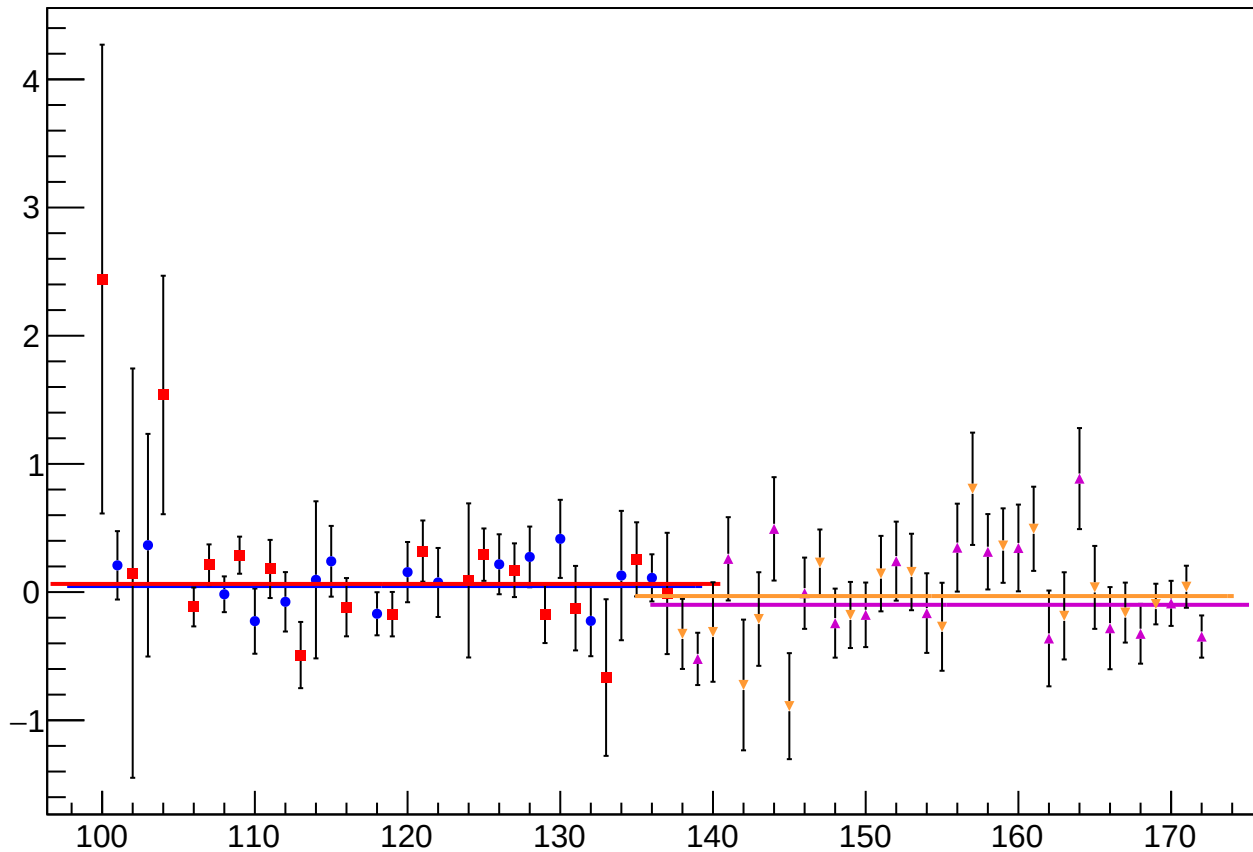
Left In: 0.000+/-0.000 χ^2/NDF : 1175587.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 2829078.6/33

All: 0.000+/-0.000 χ^2/NDF : 6324492.8/69

- sign 0.000+/-0.000 χ^2/NDF : 3493171.3/35

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

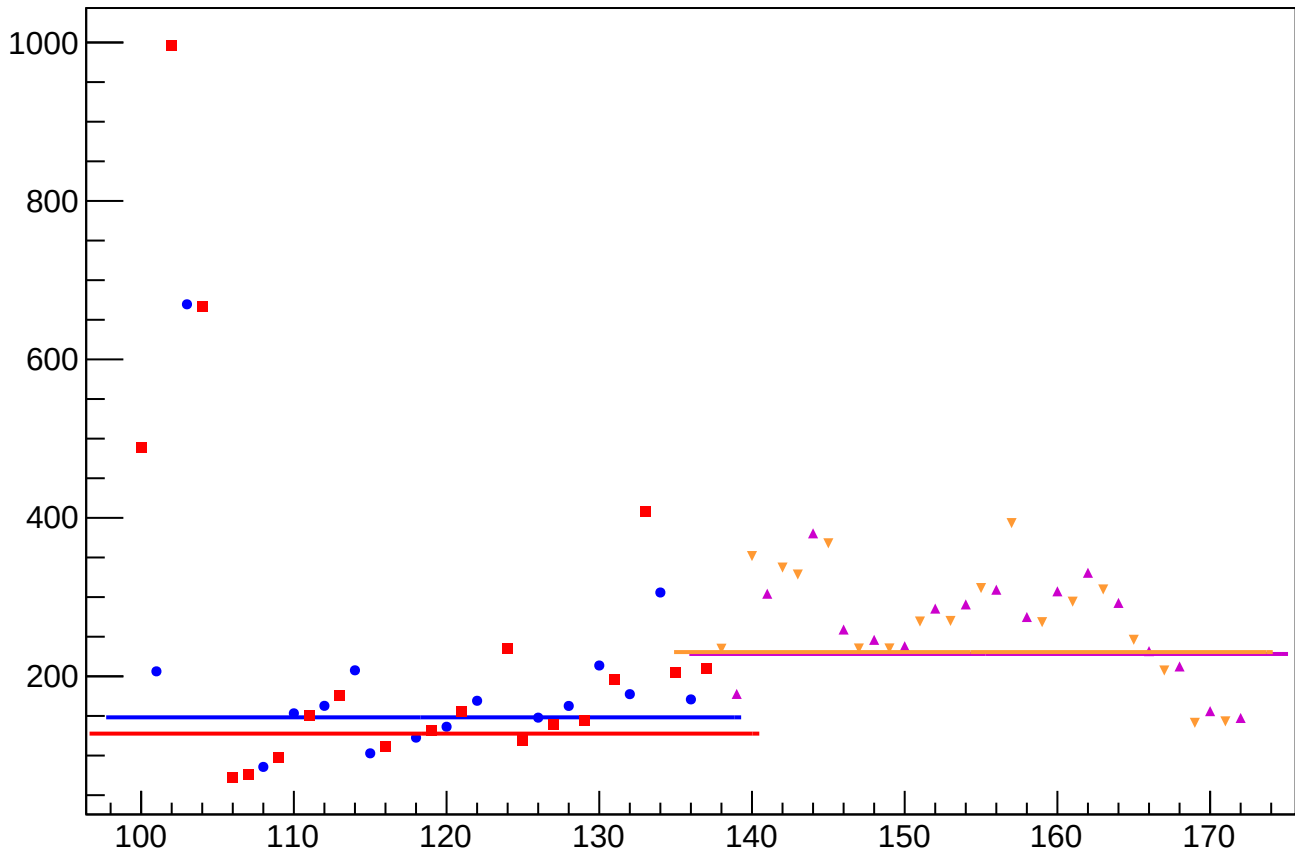
Left In: -0.099 ± 0.064 χ^2/NDF : 25.1/16

+ sign 0.011 ± 0.044 χ^2/NDF : 29.0/33

All: 0.003 ± 0.030 χ^2/NDF : 80.1/69

- sign -0.005 ± 0.042 χ^2/NDF : 51.0/35

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 230.606 $\pm$ 0.046 χ^2 /NDF: 2548938.9/17

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

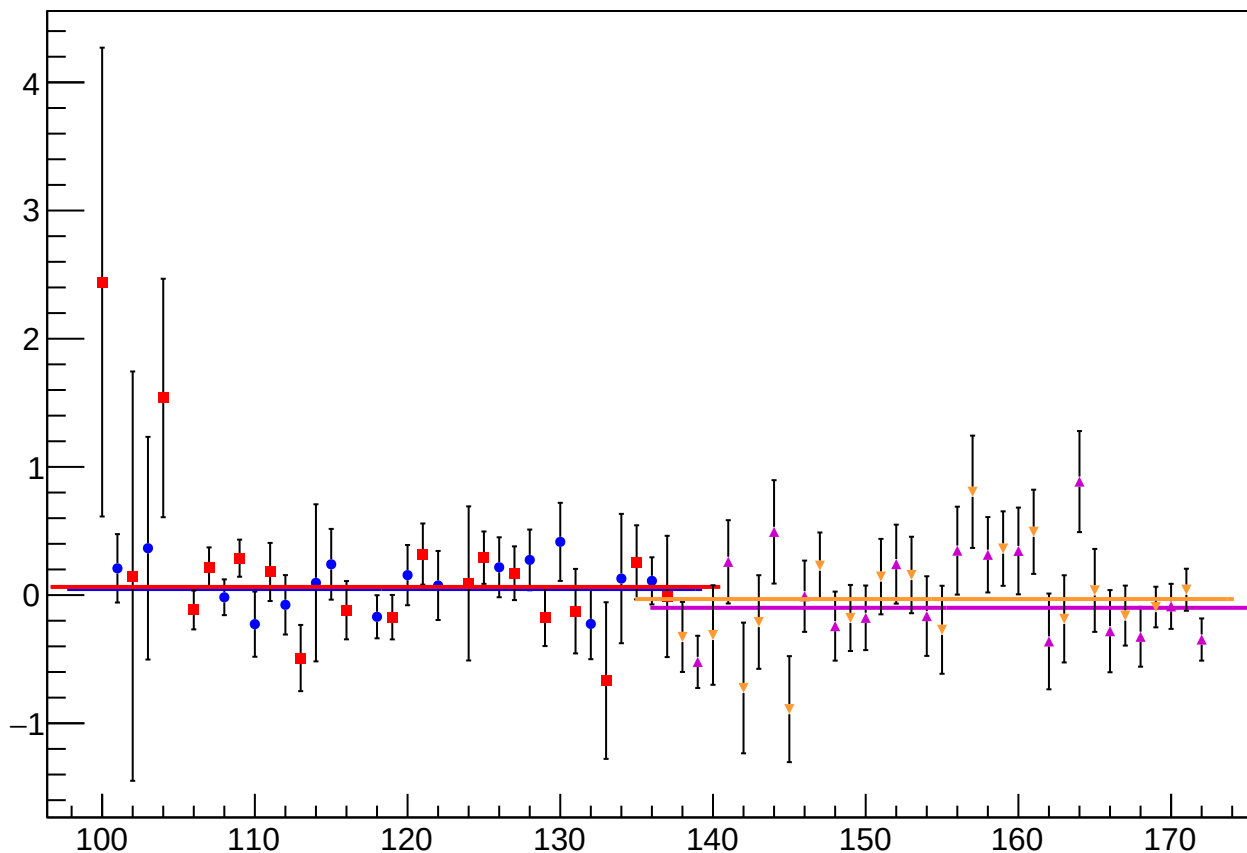
Left In: 228.217 $\pm$ 0.045 χ^2 /NDF: 2006243.7/16

+ sign 186.285 $\pm$ 0.031 χ^2 /NDF: 5998190.4/33

All: 177.661 $\pm$ 0.021 χ^2 /NDF: 13835587.4/69

- sign 169.958 $\pm$ 0.029 χ^2 /NDF: 7692166.9/35

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 χ^2/NDF : 8.6/15

Left Out: -0.031 ± 0.065 χ^2/NDF : 19.6/17

Right Out: 0.064 ± 0.055 χ^2/NDF : 22.2/18

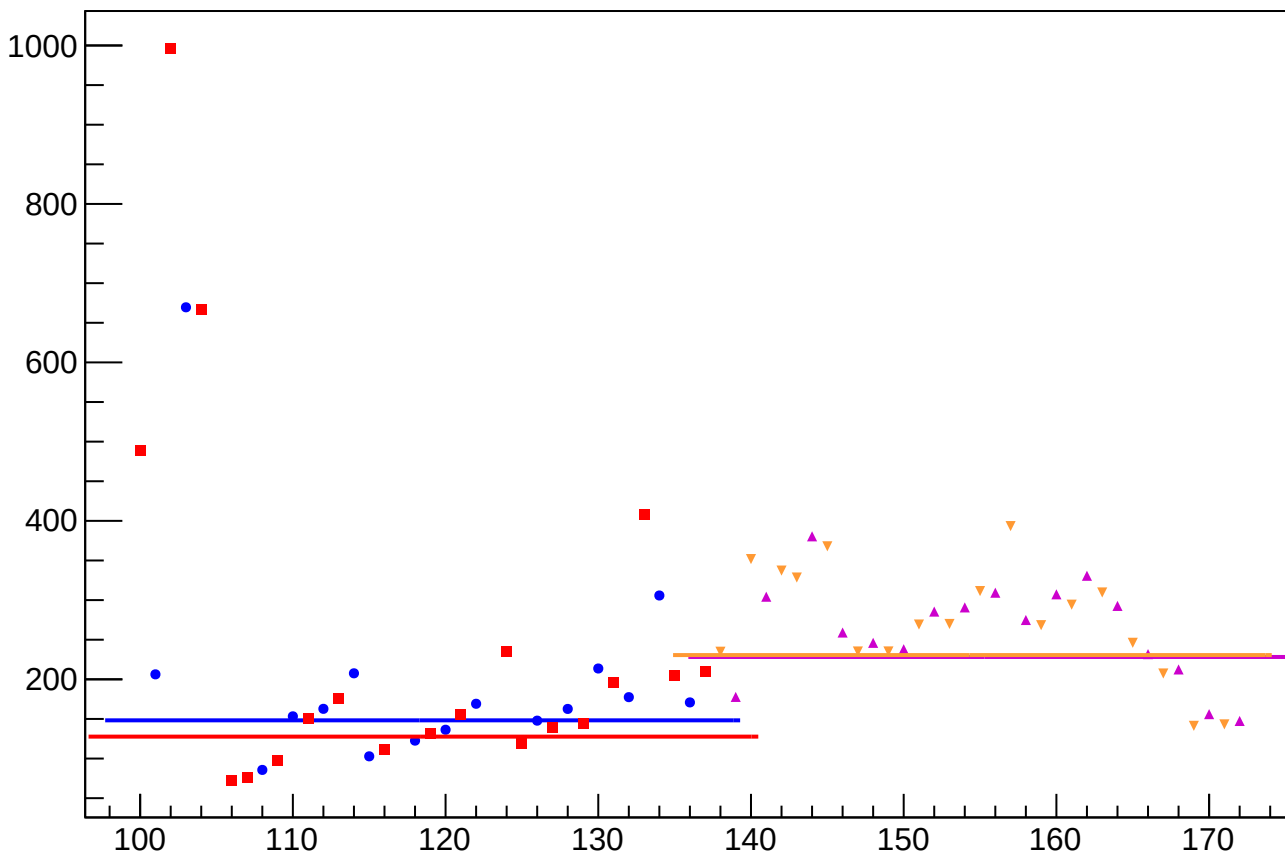
Left In: -0.099 ± 0.064 χ^2/NDF : 25.1/16

+ sign 0.011 ± 0.044 χ^2/NDF : 29.0/33

All: 0.003 ± 0.030 χ^2/NDF : 80.1/69

- sign -0.005 ± 0.042 χ^2/NDF : 51.0/35

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.240 $\pm$ 0.042 χ^2 /NDF: 1710035.6/15

Left Out: 230.606 $\pm$ 0.046 χ^2 /NDF: 2548938.9/17

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841780.7/18

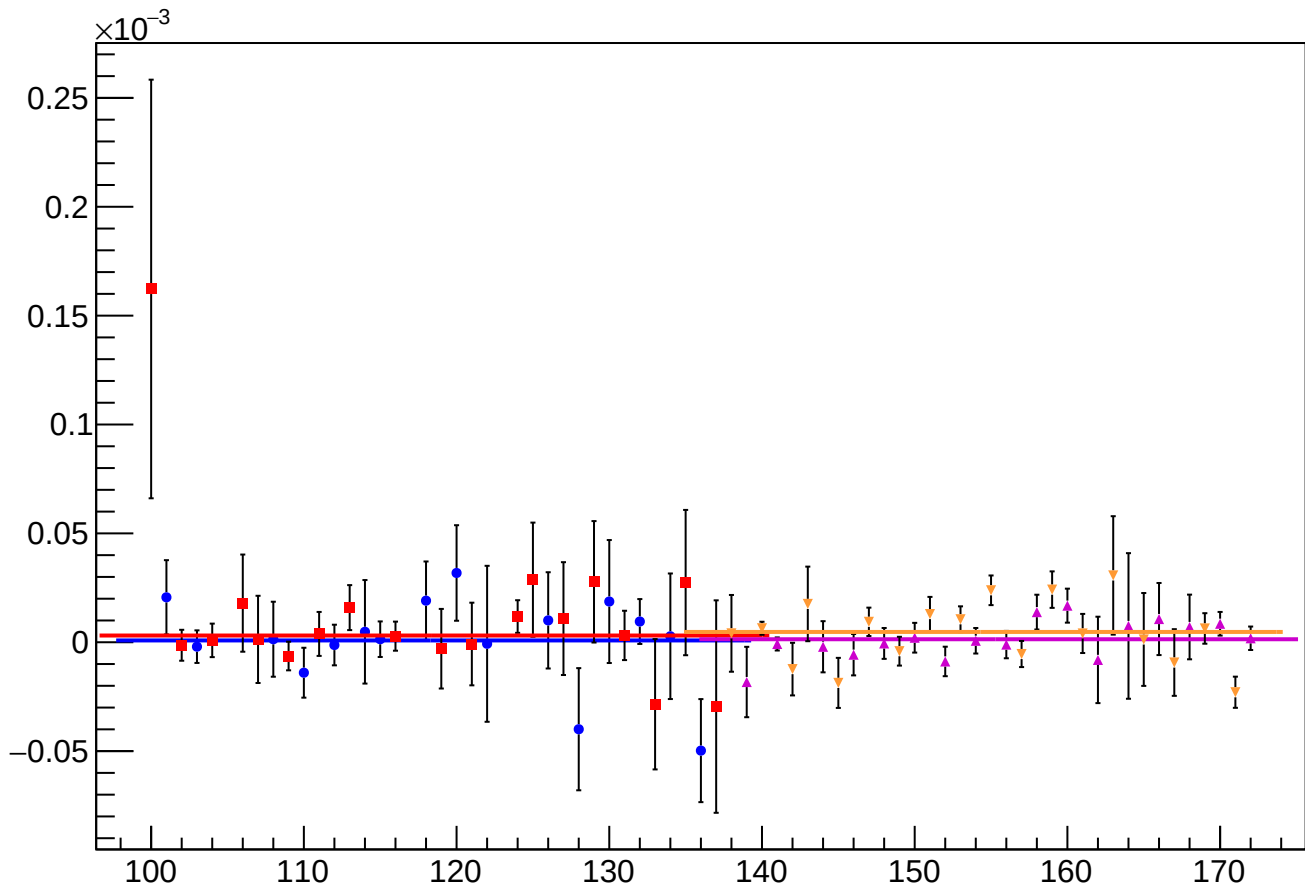
Left In: 228.217 $\pm$ 0.045 χ^2 /NDF: 2006243.7/16

+ sign 186.285 $\pm$ 0.031 χ^2 /NDF: 5998190.4/33

All: 177.661 $\pm$ 0.021 χ^2 /NDF: 13835587.4/69

- sign 169.958 $\pm$ 0.029 χ^2 /NDF: 7692166.9/35

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:44.3/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

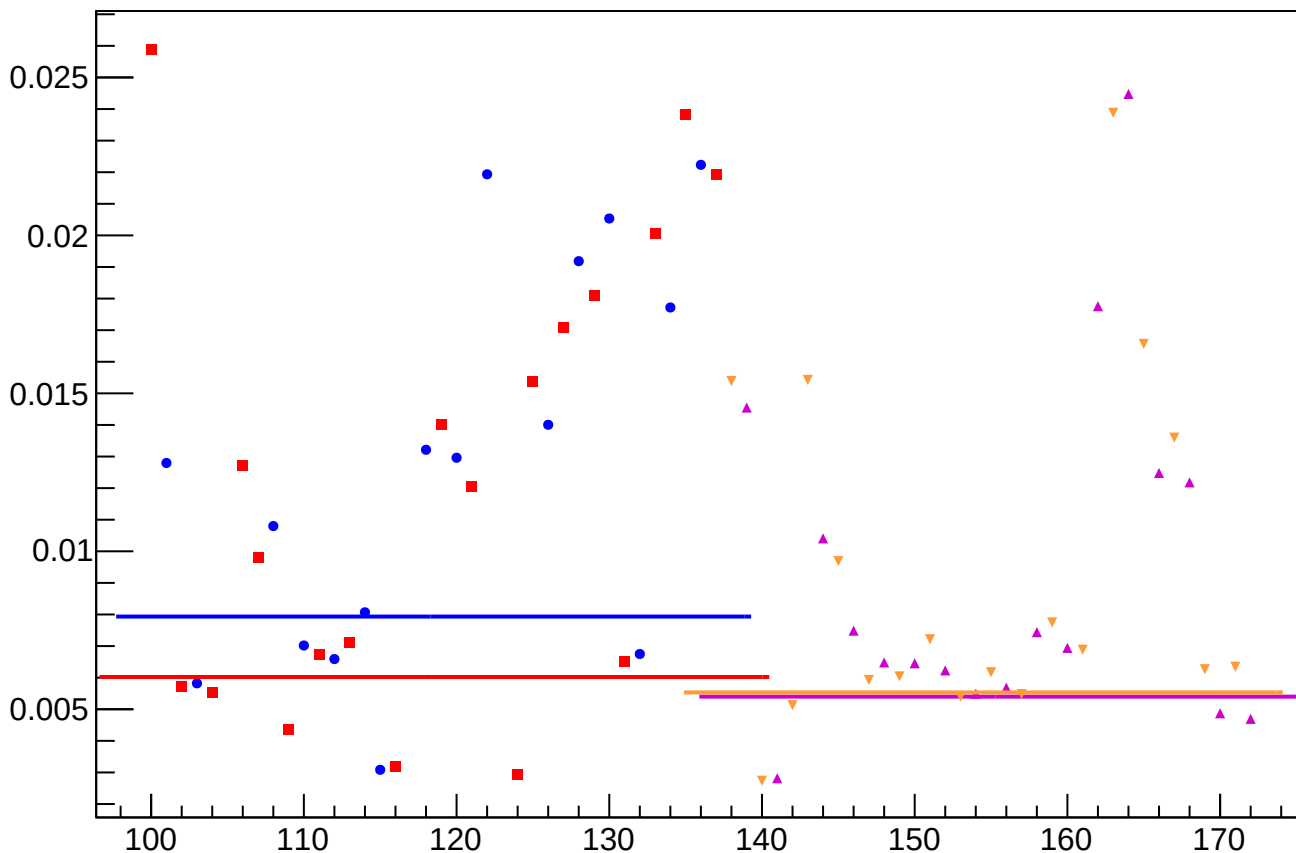
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 87.6/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.0/35

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 3577687.8/15

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 5668167.8/17

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 4009592.0/18

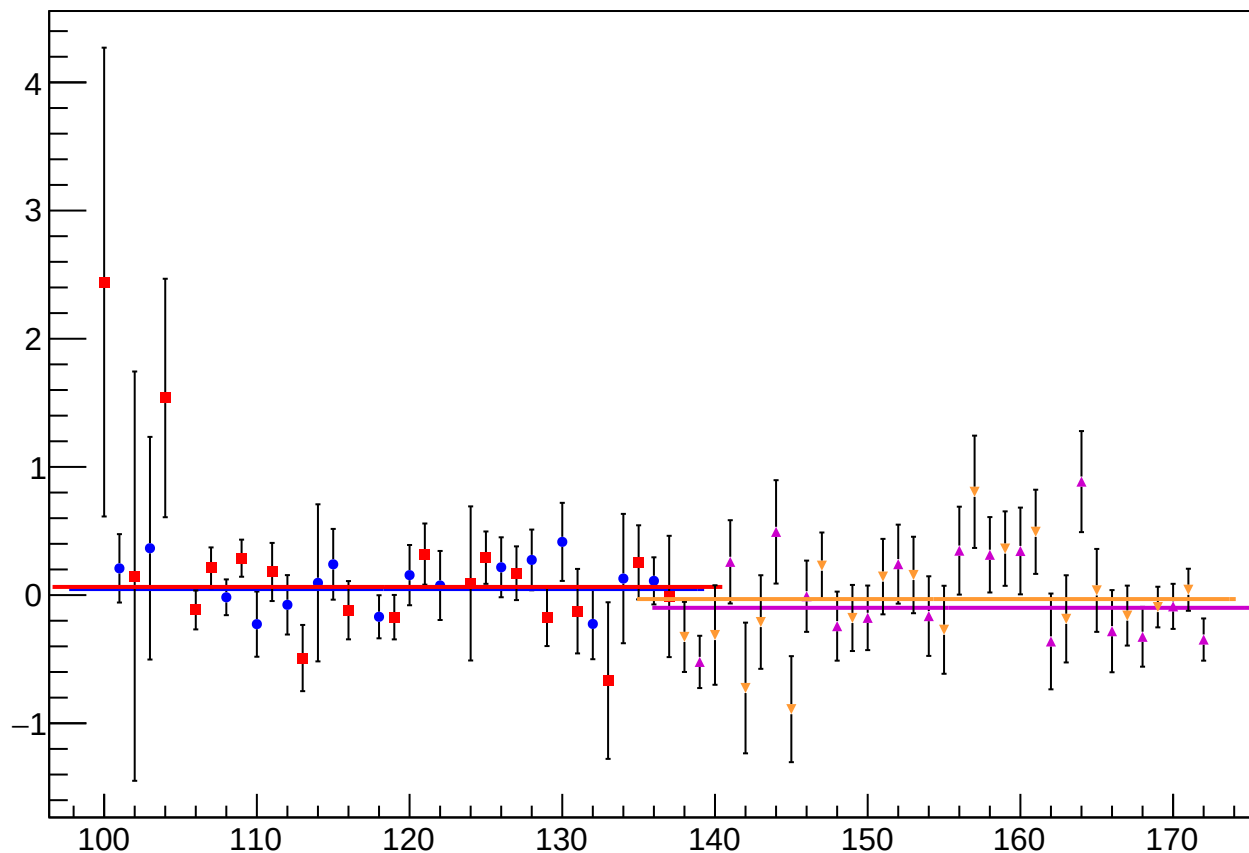
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 5184782.6/16

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 10021774.4/33

All: 0.006 $\pm$ 0.000 χ^2/NDF : 19378783.2/69

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 9274167.2/35

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047 ± 0.060 χ^2/NDF : 8.6/15

Left Out: -0.031 ± 0.065 χ^2/NDF : 19.6/17

Right Out: 0.064 ± 0.055 χ^2/NDF : 22.2/18

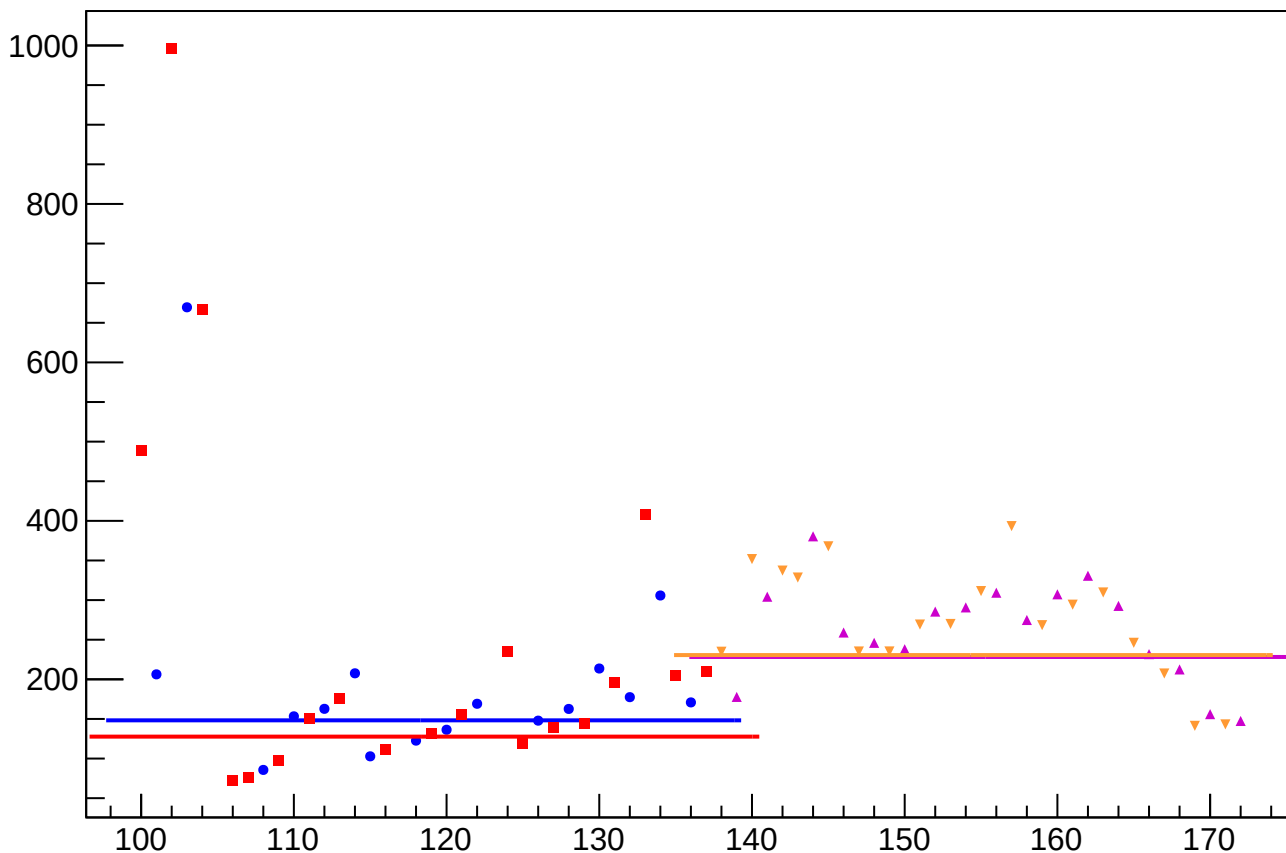
Left In: -0.099 ± 0.064 χ^2/NDF : 25.1/16

+ sign 0.011 ± 0.044 χ^2/NDF : 29.0/33

All: 0.003 ± 0.030 χ^2/NDF : 80.1/69

- sign -0.005 ± 0.042 χ^2/NDF : 51.0/35

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.238 $\pm$ 0.042 χ^2 /NDF: 1710114.4/15

Left Out: 230.607 $\pm$ 0.046 χ^2 /NDF: 2549073.9/17

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

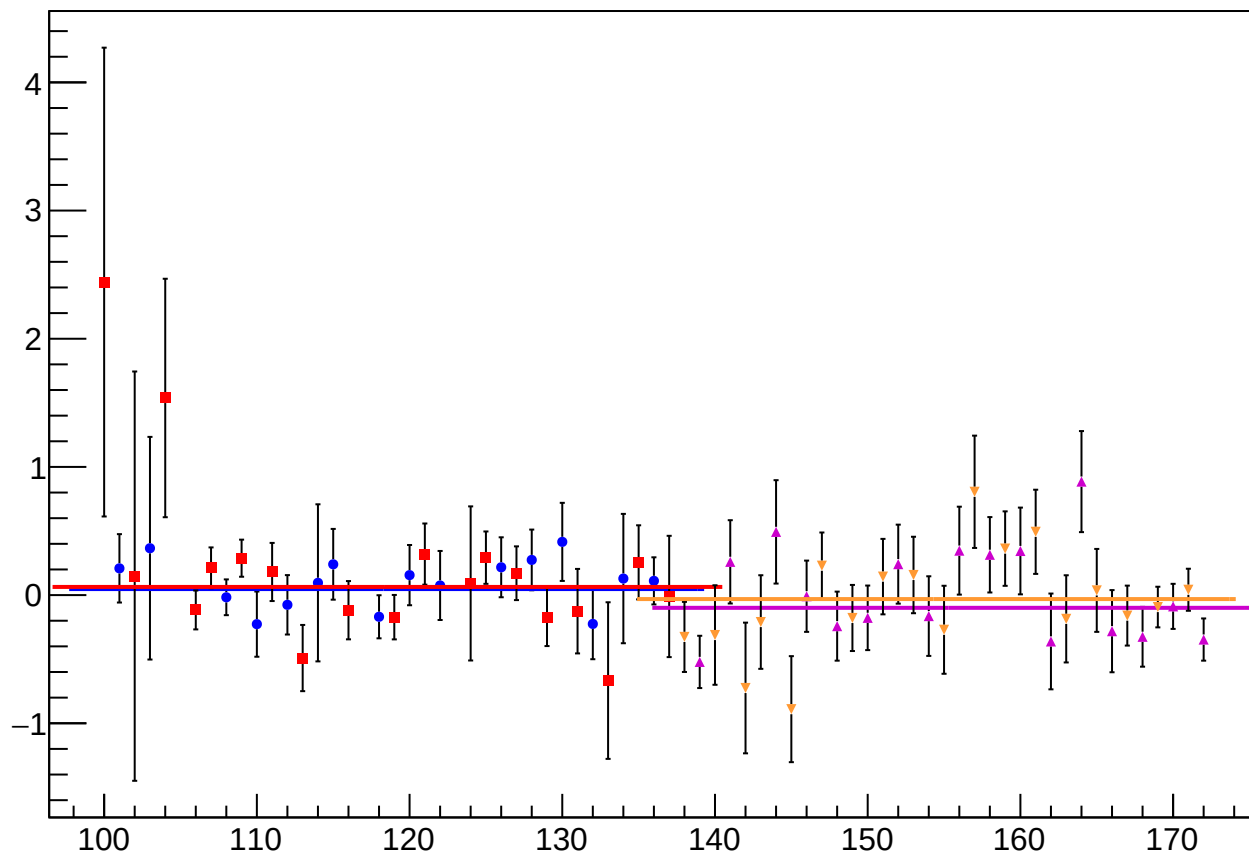
Left In: 228.219 $\pm$ 0.045 χ^2 /NDF: 2006269.9/16

+ sign 186.283 $\pm$ 0.031 χ^2 /NDF: 5998550.8/33

All: 177.661 $\pm$ 0.021 χ^2 /NDF: 13836013.3/69

- sign 169.959 $\pm$ 0.029 χ^2 /NDF: 7692271.3/35

asym_usr_atr2_dd_eigen_dit_vs_eigen_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

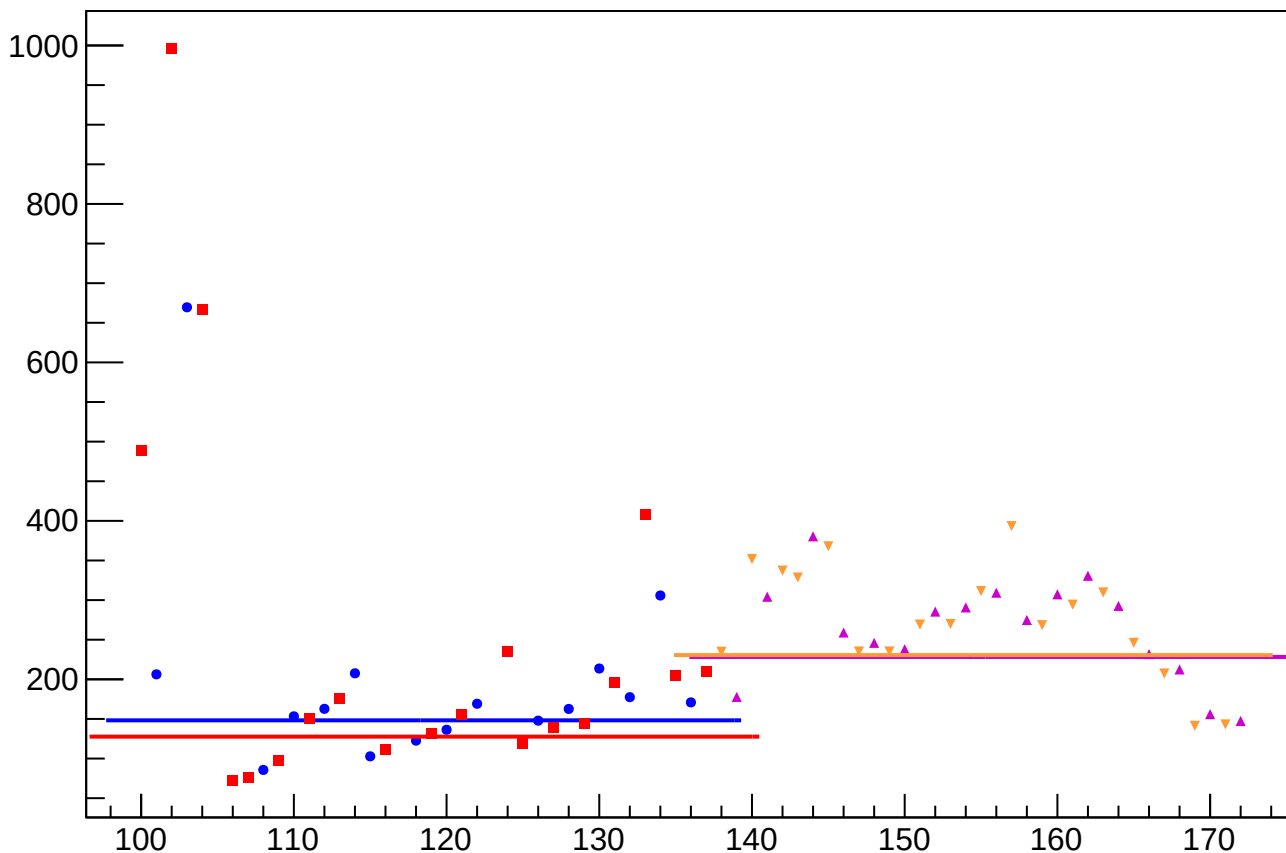
Left In: -0.099 ± 0.064 χ^2/NDF : 25.1/16

+ sign 0.011 ± 0.044 χ^2/NDF : 29.0/33

All: 0.003 ± 0.030 χ^2/NDF : 80.1/69

- sign -0.005 ± 0.042 χ^2/NDF : 51.0/35

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.238 $\pm$ 0.042 χ^2 /NDF: 1710114.4/15

Left Out: 230.607 $\pm$ 0.046 χ^2 /NDF: 2549073.9/17

Right Out: 127.685 $\pm$ 0.039 χ^2 /NDF: 2841772.5/18

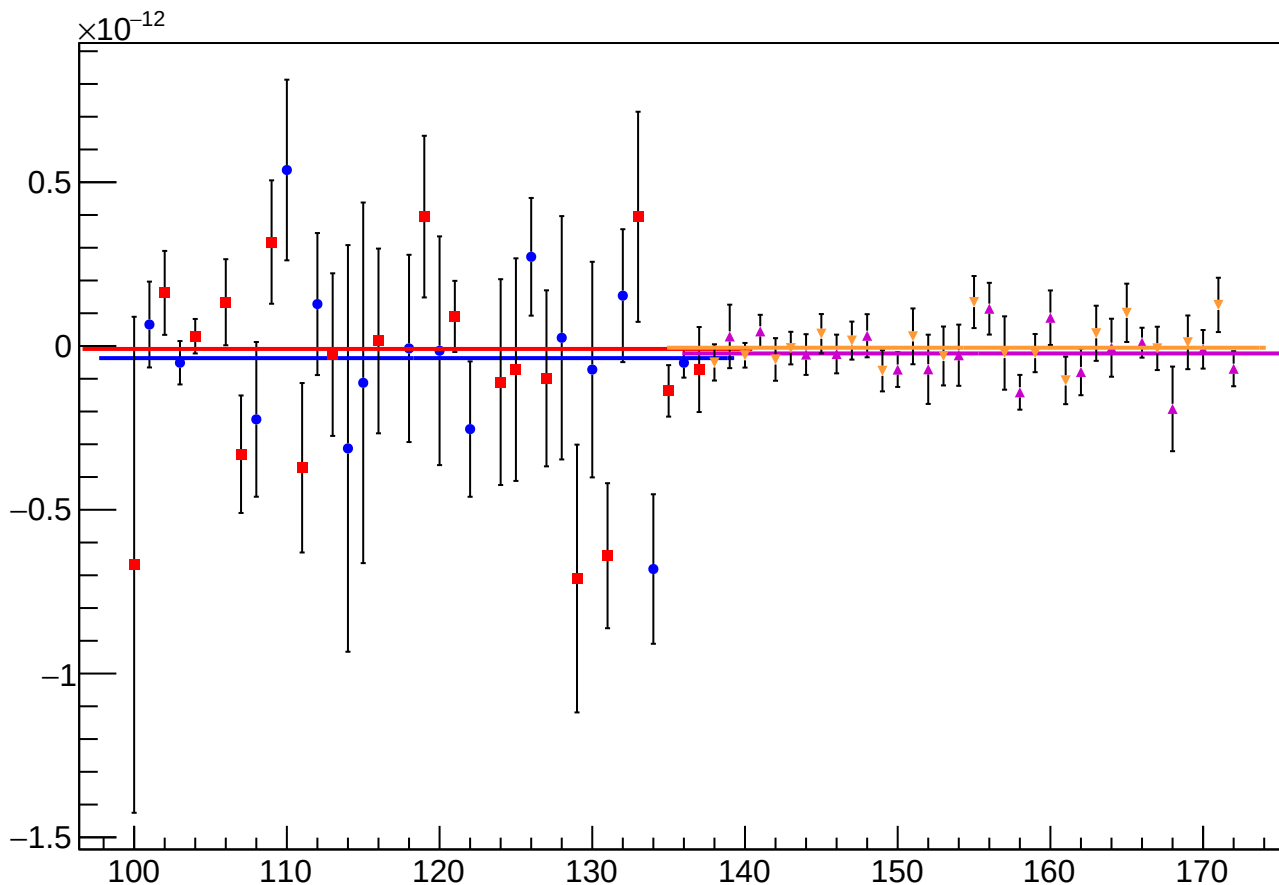
Left In: 228.219 $\pm$ 0.045 χ^2 /NDF: 2006269.9/16

+ sign 186.283 $\pm$ 0.031 χ^2 /NDF: 5998550.8/33

All: 177.661 $\pm$ 0.021 χ^2 /NDF: 13836013.3/69

- sign 169.959 $\pm$ 0.029 χ^2 /NDF: 7692271.3/35

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

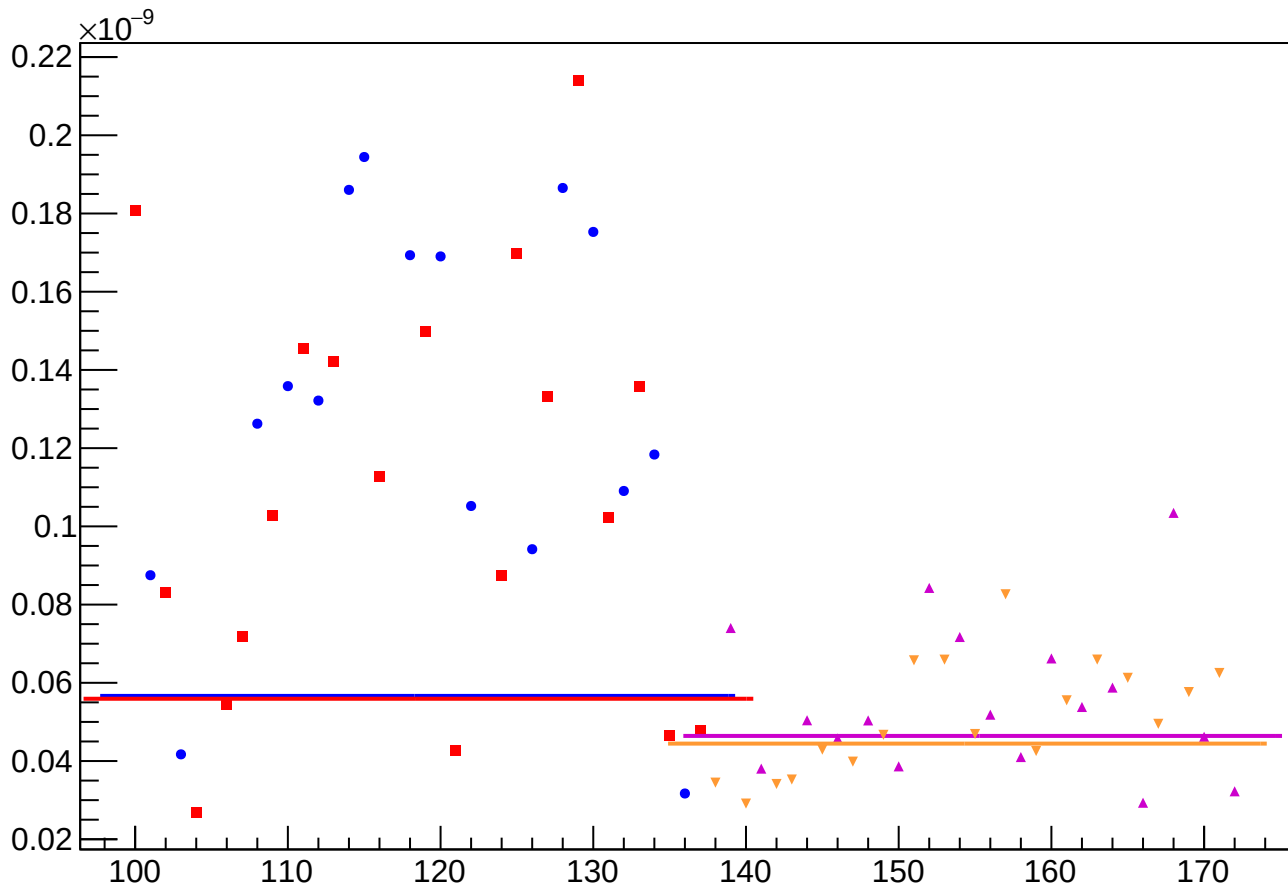
Left In: -0.000+/-0.000 χ^2/NDF : 17.3/16

+ sign -0.000+/-0.000 χ^2/NDF : 33.1/33

All: -0.000+/-0.000 χ^2/NDF : 82.4/69

- sign -0.000+/-0.000 χ^2/NDF : 49.2/35

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1413937.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2732977.9/18

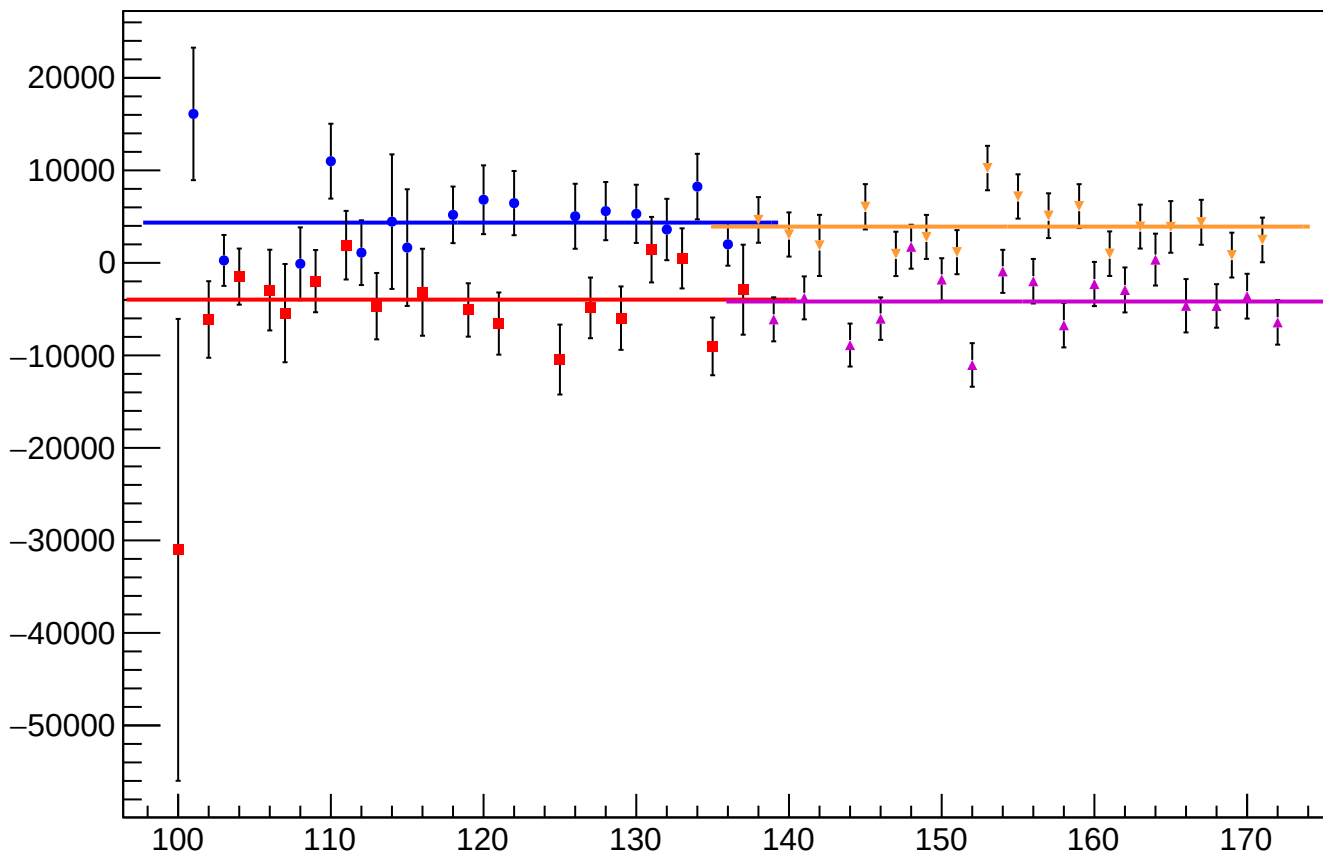
Left In: 0.000+/-0.000 χ^2/NDF : 1693588.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4761743.6/33

All: 0.000+/-0.000 χ^2/NDF : 9342779.6/69

- sign 0.000+/-0.000 χ^2/NDF : 4568292.9/35

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

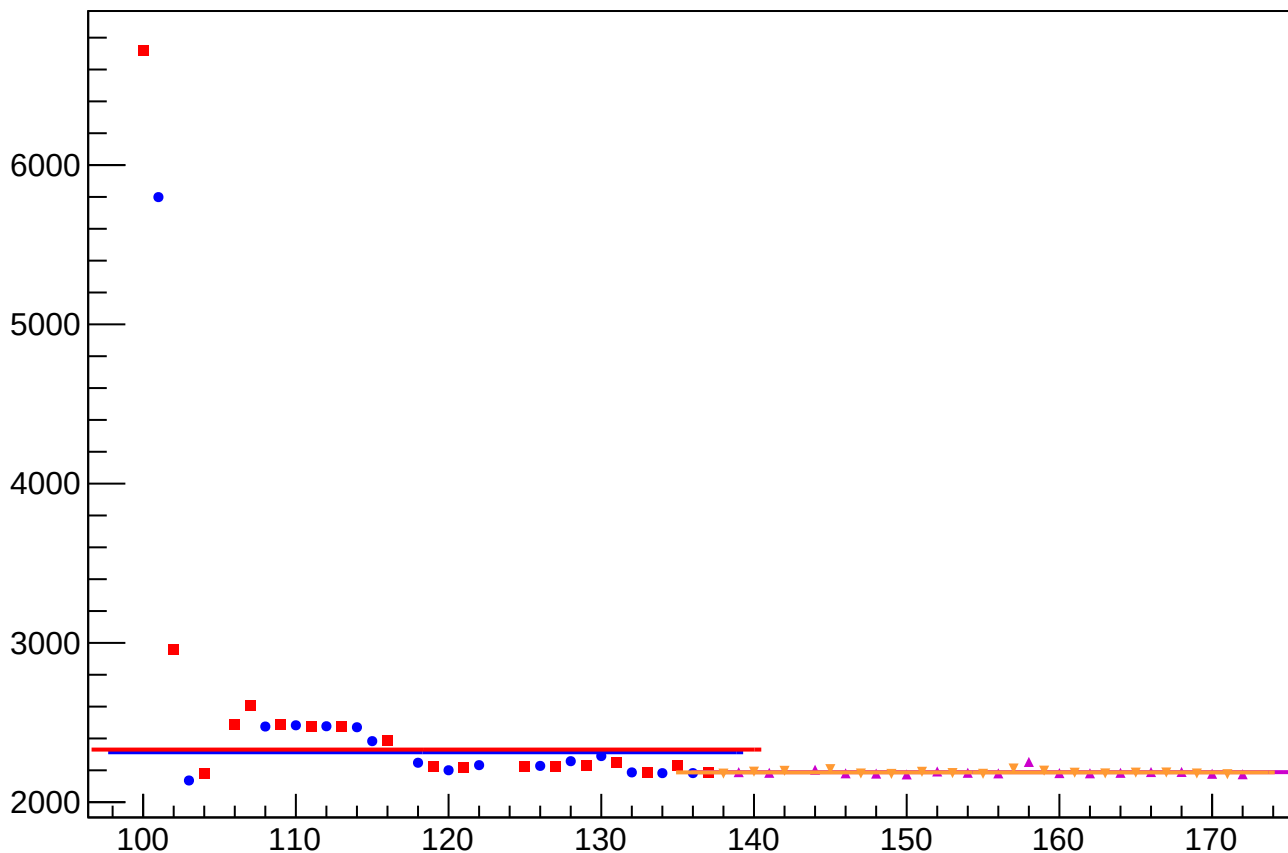
Left In: -4175.577+/-584.201 χ^2/NDF : 29.6/16

+ sign 4059.269+/-492.885 χ^2/NDF : 31.4/32

All: -90.512+/-345.783 χ^2/NDF : 216.8/67

- sign -4112.341+/-485.227 χ^2/NDF : 45.9/34

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

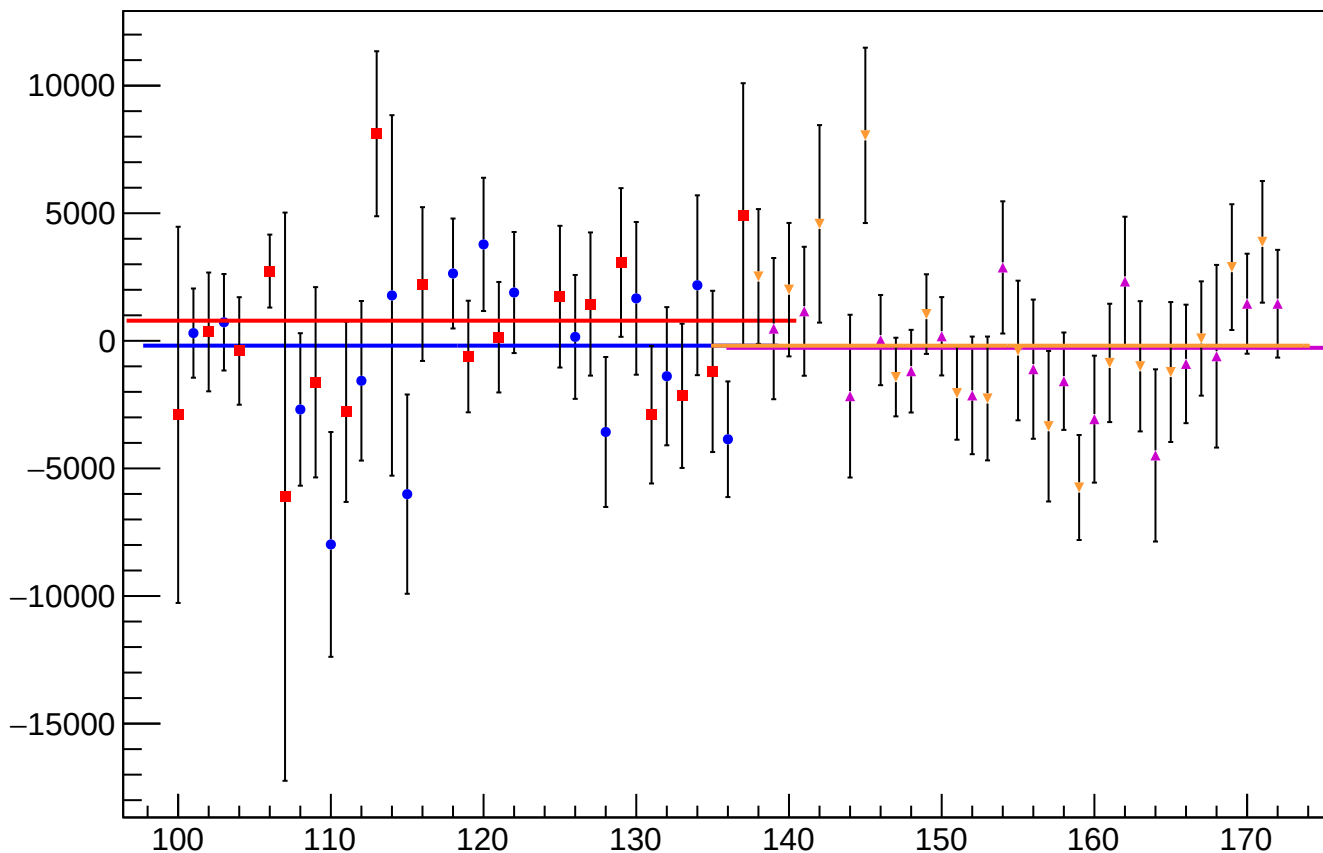
Left In: 2188.539+/-0.413 χ^2/NDF : 1808.3/16

+ sign 2227.067+/-0.349 χ^2/NDF : 541478.9/32

All: 2229.812+/-0.245 χ^2/NDF : 731092.0/67

- sign 2232.473+/-0.343 χ^2/NDF : 189490.9/34

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: -188.660 $\pm$ 658.334 χ^2 /NDF: 16.4/15

Left Out: -190.581 $\pm$ 555.512 χ^2 /NDF: 25.3/16

Right Out: 789.317 $\pm$ 634.900 χ^2 /NDF: 14.9/17

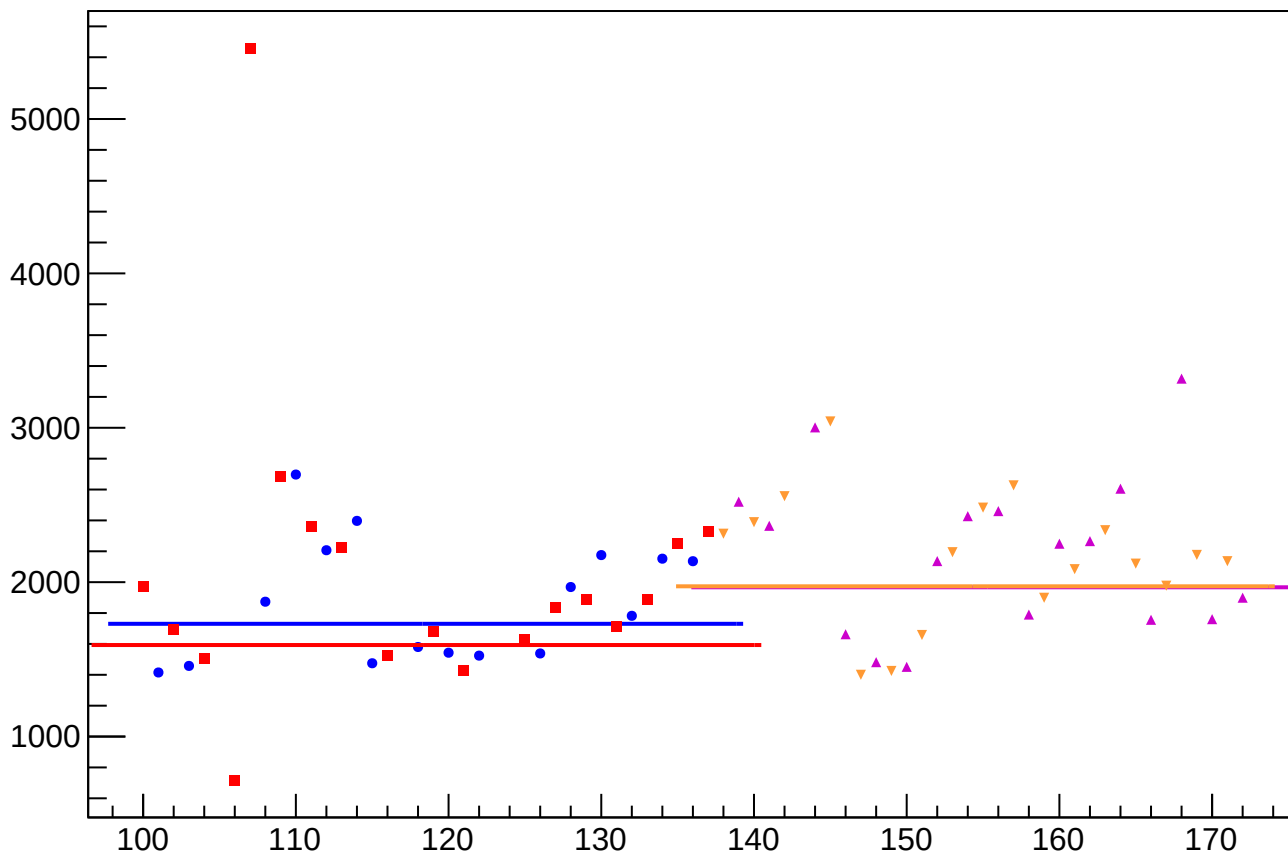
Left In: -273.921 $\pm$ 541.447 χ^2 /NDF: 9.3/16

+ sign -189.782 $\pm$ 424.559 χ^2 /NDF: 41.8/32

All: -2.545 $\pm$ 295.661 χ^2 /NDF: 68.0/67

- sign 173.761 $\pm$ 411.979 χ^2 /NDF: 25.8/34

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



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

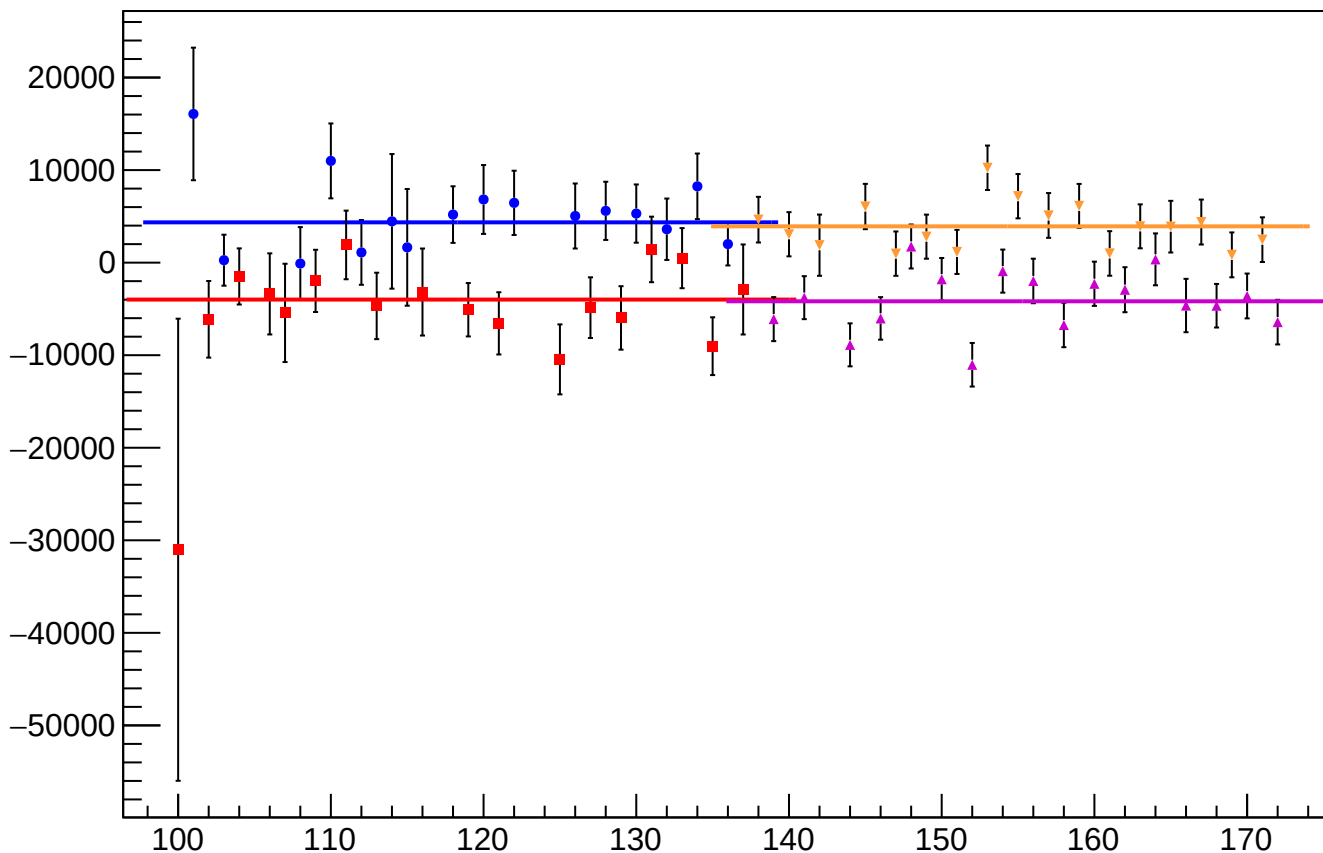
Left In: 1966.810+/-0.383 χ^2/NDF : 1412561.6/16

+ sign 1872.160+/-0.300 χ^2/NDF : 1804167.3/32

All: 1839.806+/-0.209 χ^2/NDF : 5197245.2/67

- sign 1809.341+/-0.291 χ^2/NDF : 3370527.1/34

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670 $\pm$ 875.155 χ^2 /NDF: 13.4/15

Left Out: 3922.121 $\pm$ 596.480 χ^2 /NDF:17.8/16

Right Out: -3989.884 $\pm$ 871.455 χ^2 /NDF: 16.1/17

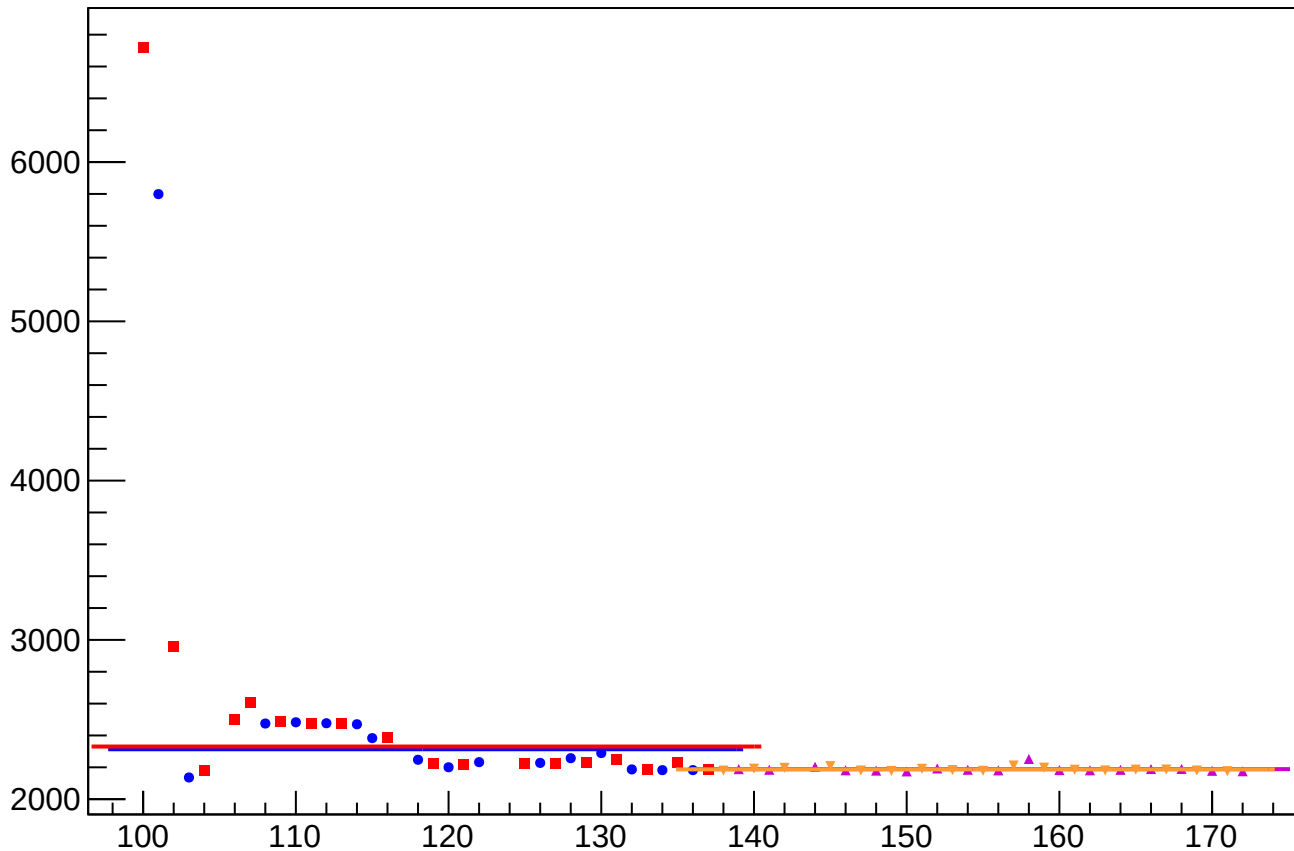
Left In: -4175.662 $\pm$ 584.201 χ^2 /NDF:29.6/16

+ sign 4059.005 $\pm$ 492.885 χ^2 /NDF: 31.3/32

All: -93.327 $\pm$ 345.792 χ^2 /NDF: 216.9/67

- sign -4118.059 $\pm$ 485.253 χ^2 /NDF: 45.8/34

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413 $\pm$ 0.619 χ^2 /NDF: 512372.3/15

Left Out: 2186.956 $\pm$ 0.422 χ^2 /NDF: 593.7/16

Right Out: 2330.570 $\pm$ 0.616 χ^2 /NDF: 151556.6/17

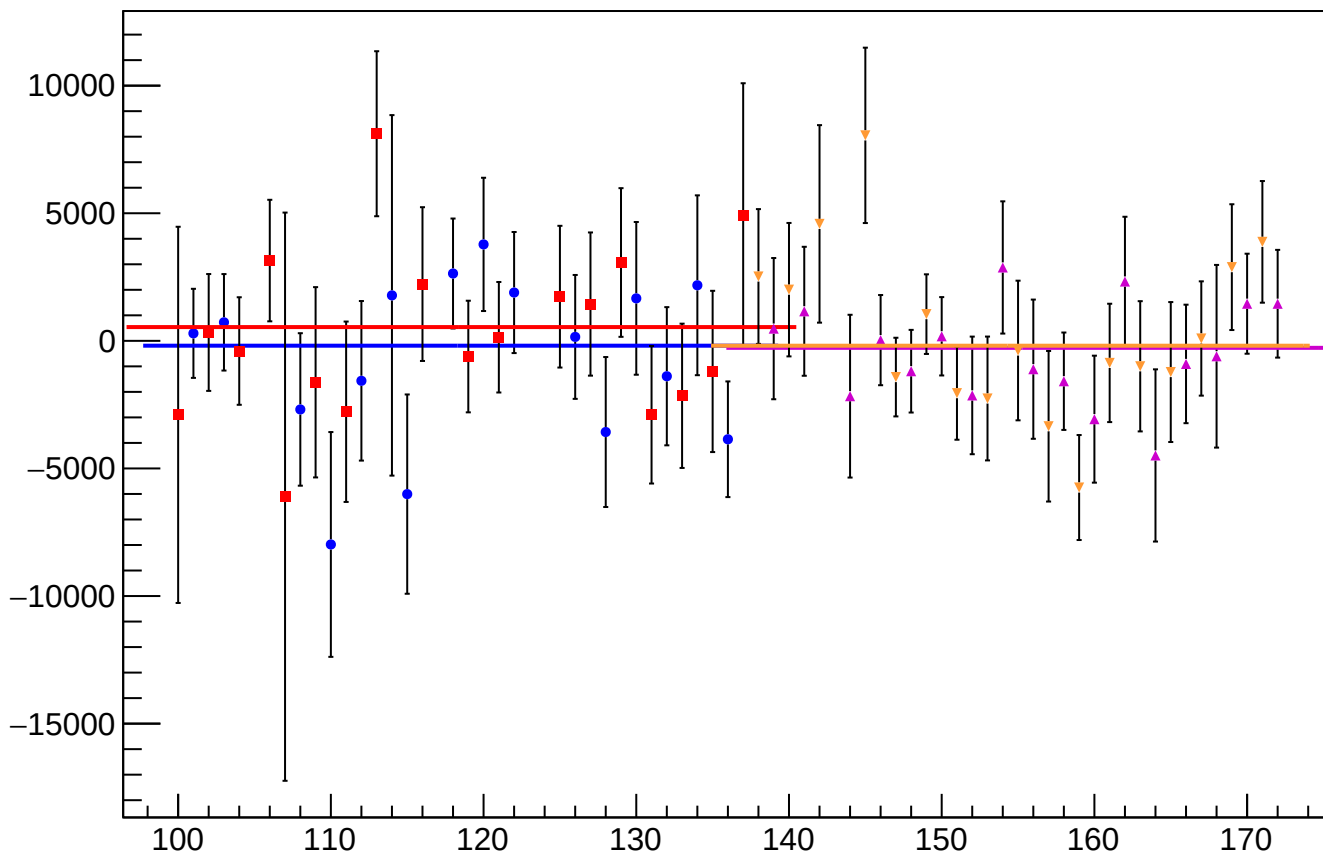
Left In: 2188.539 $\pm$ 0.413 χ^2 /NDF: 1808.3/16

+ sign 2227.067 $\pm$ 0.349 χ^2 /NDF: 541479.3/32

All: 2229.865 $\pm$ 0.245 χ^2 /NDF: 731624.9/67

- sign 2232.577 $\pm$ 0.343 χ^2 /NDF: 190018.7/34

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



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

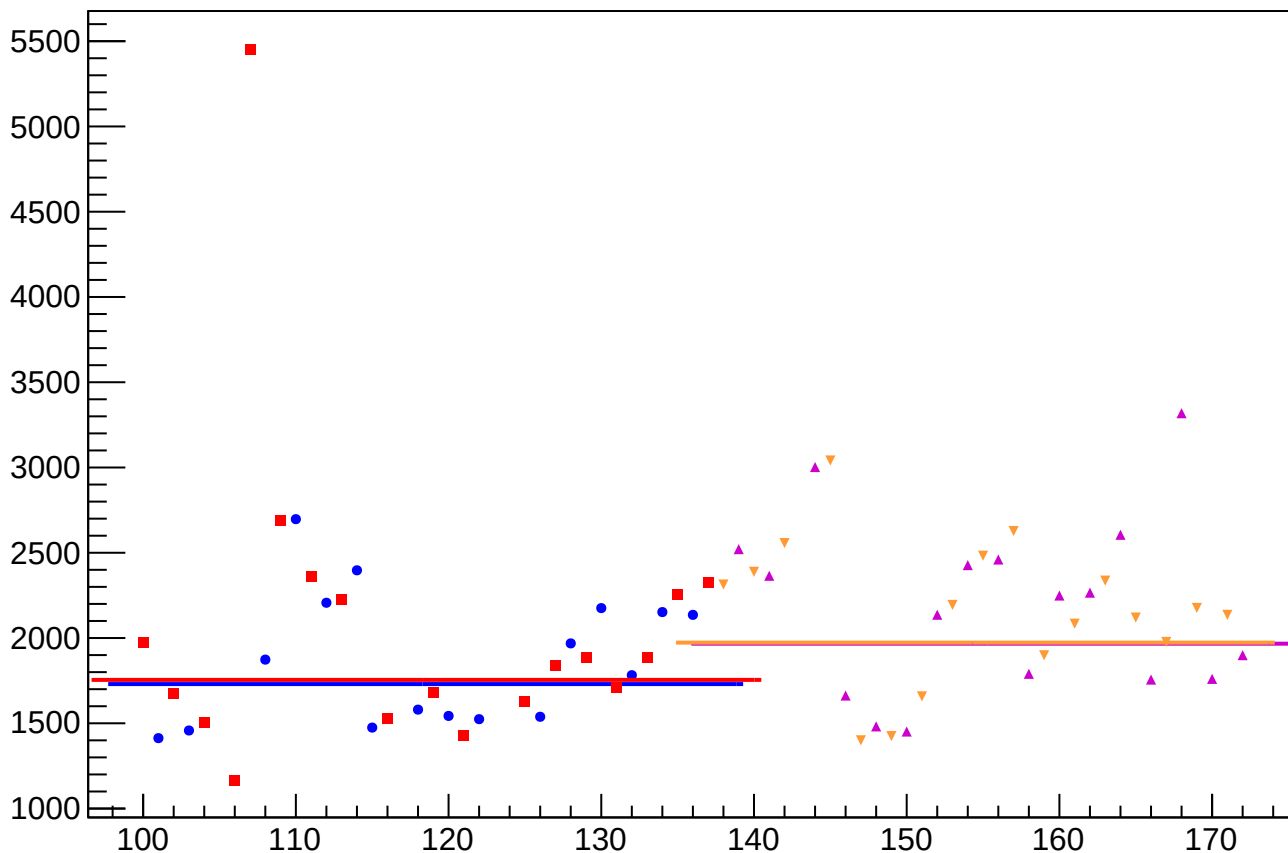
Left In: -274.018 ± 541.449 χ^2/NDF : 9.3/16

+ sign -190.301 ± 424.524 χ^2/NDF : 41.8/32

All: -73.442 ± 299.694 χ^2/NDF : 66.0/67

- sign 42.657 ± 423.142 χ^2/NDF : 24.1/34

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

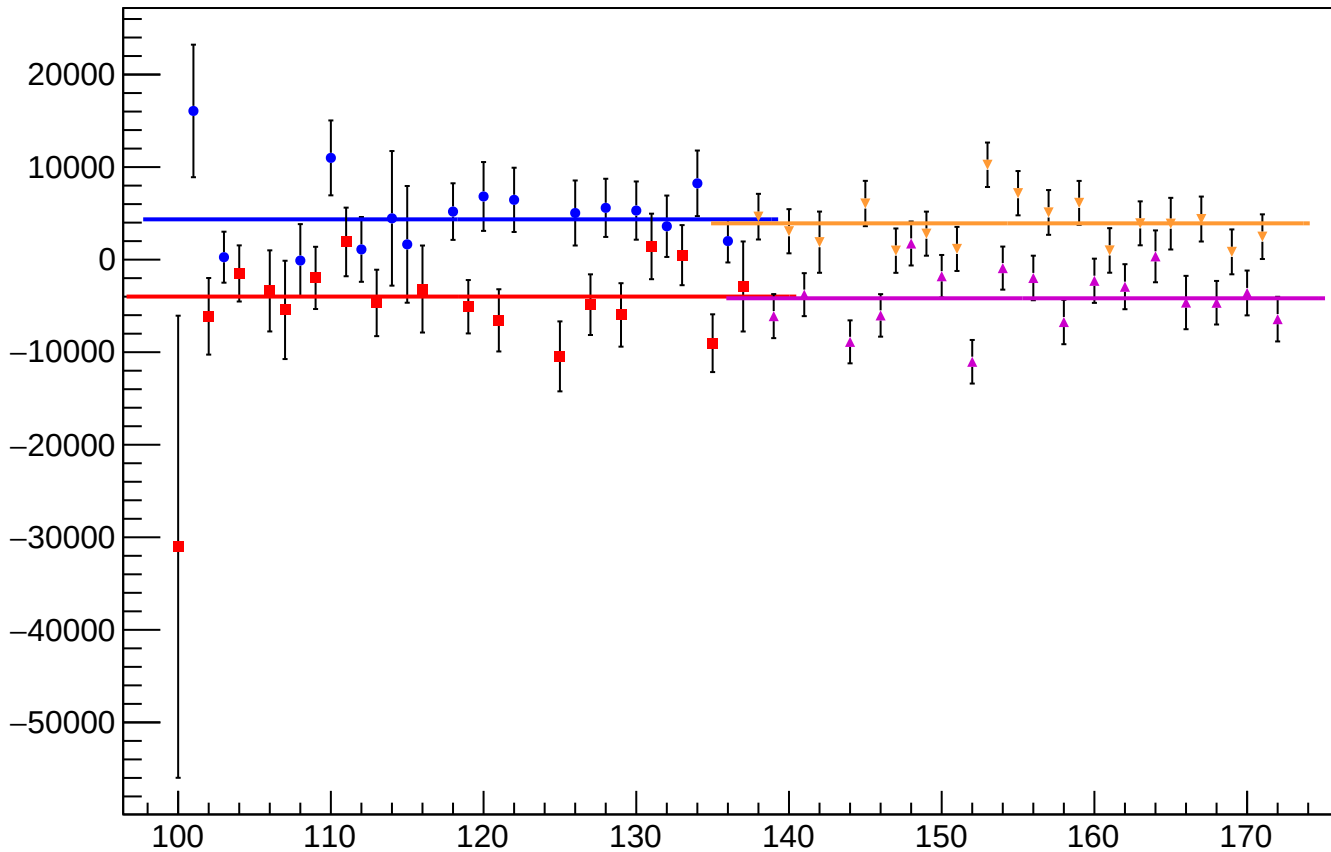
Left In: 1966.815+/-0.383 χ^2/NDF : 1412584.5/16

+ sign 1871.972+/-0.300 χ^2/NDF : 1805713.1/32

All: 1878.096+/-0.212 χ^2/NDF : 4089812.7/67

- sign 1884.180+/-0.299 χ^2/NDF : 2283269.9/34

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4353.670 $\pm$ 875.155 χ^2 /NDF: 13.4/15

Left Out: 3922.121 $\pm$ 596.480 χ^2 /NDF: 17.8/16

Right Out: -3989.884 $\pm$ 871.455 χ^2 /NDF: 16.1/17

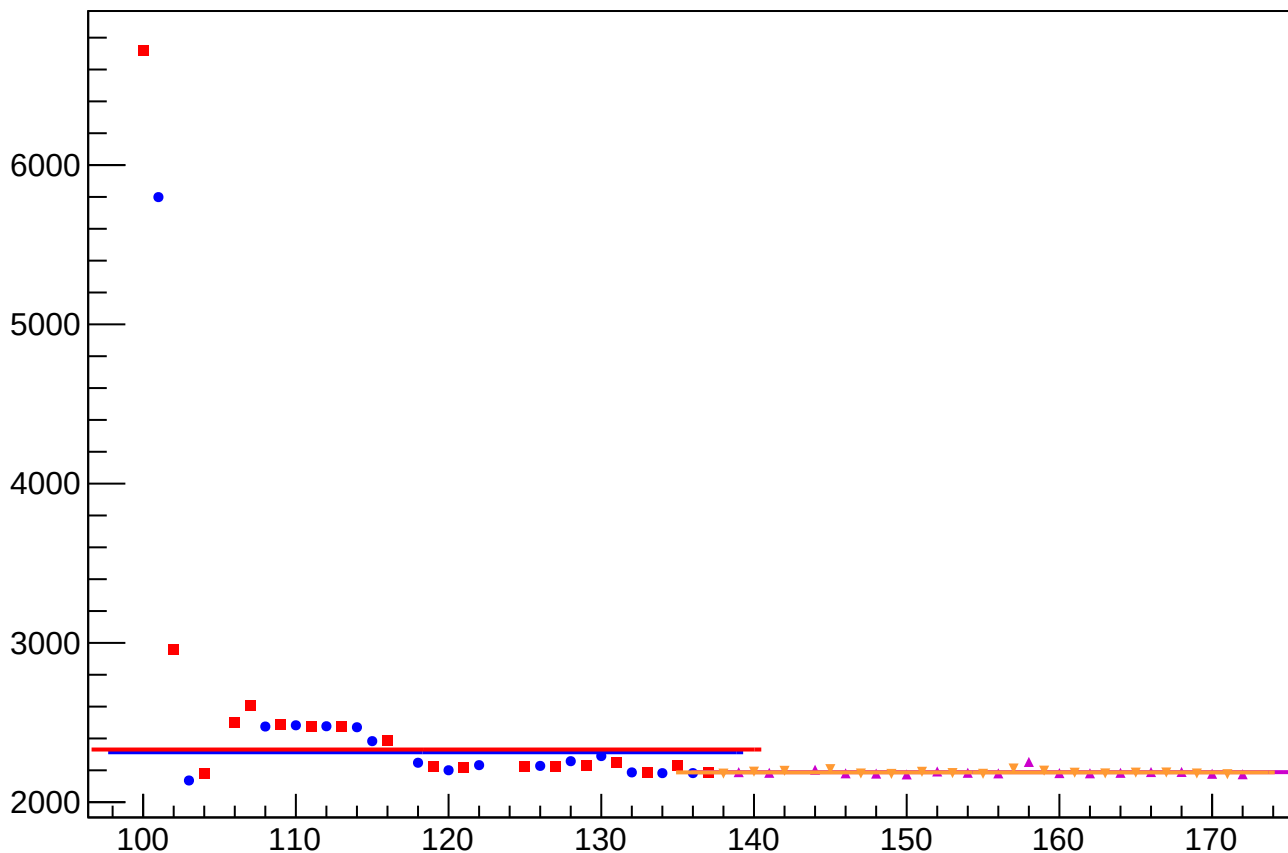
Left In: -4175.662 $\pm$ 584.201 χ^2 /NDF: 29.6/16

+ sign 4059.005 $\pm$ 492.885 χ^2 /NDF: 31.3/32

All: -93.327 $\pm$ 345.792 χ^2 /NDF: 216.9/67

- sign -4118.059 $\pm$ 485.253 χ^2 /NDF: 45.8/34

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.413 $\pm$ 0.619 χ^2 /NDF: 512372.3/15

Left Out: 2186.956 $\pm$ 0.422 χ^2 /NDF: 593.7/16

Right Out: 2330.570 $\pm$ 0.616 χ^2 /NDF: 151556.6/17

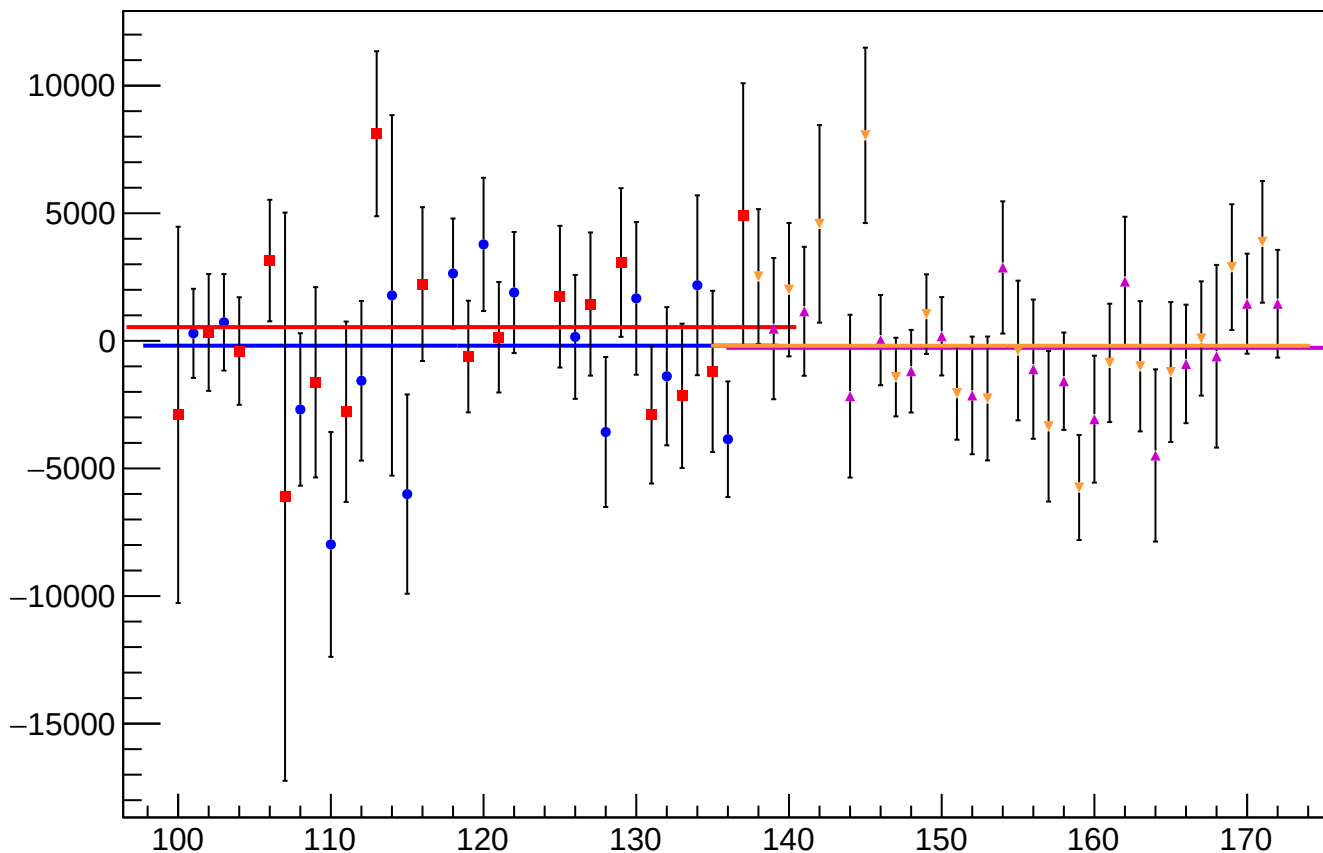
Left In: 2188.539 $\pm$ 0.413 χ^2 /NDF: 1808.3/16

+ sign 2227.067 $\pm$ 0.349 χ^2 /NDF: 541479.3/32

All: 2229.865 $\pm$ 0.245 χ^2 /NDF: 731624.9/67

- sign 2232.577 $\pm$ 0.343 χ^2 /NDF: 190018.7/34

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



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

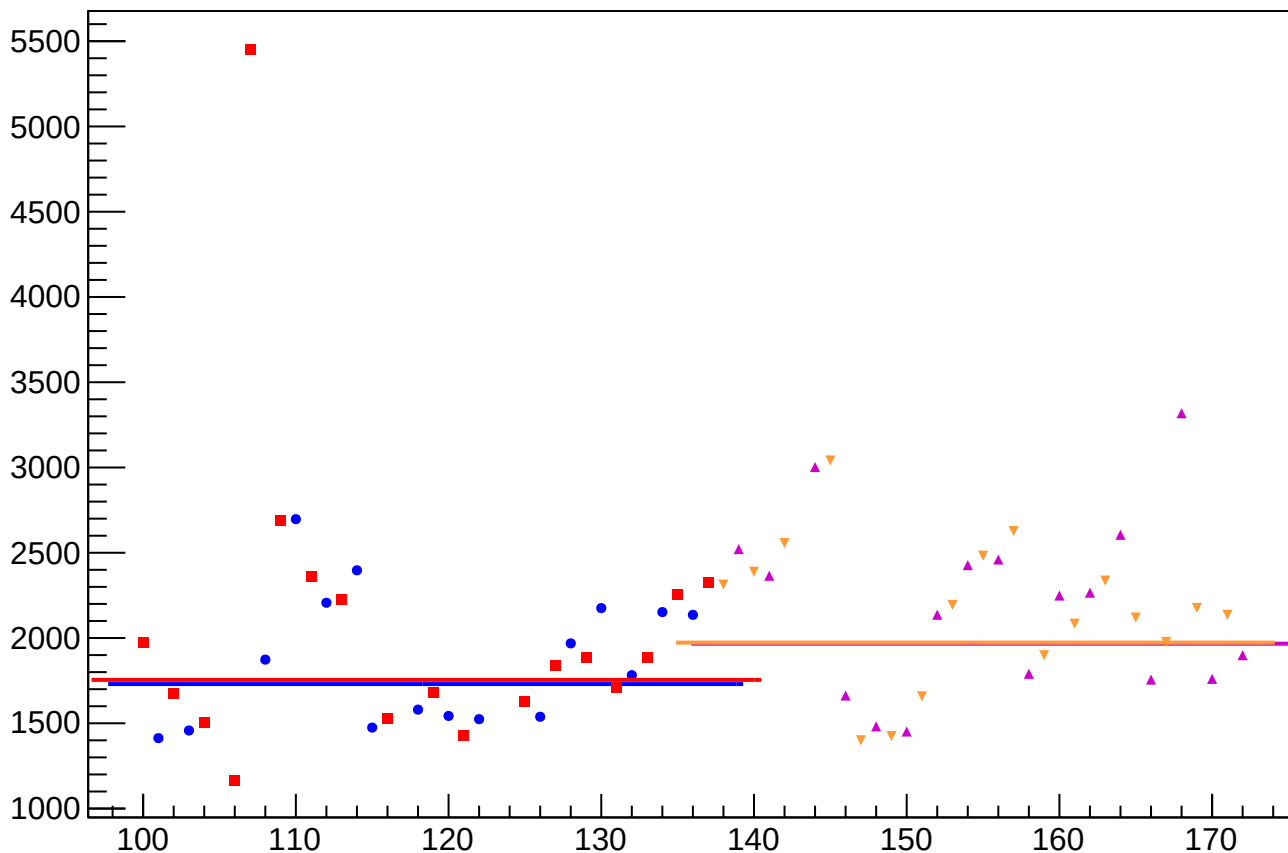
Left In: -274.018 ± 541.449 χ^2/NDF : 9.3/16

+ sign -190.301 ± 424.524 χ^2/NDF : 41.8/32

All: -73.442 ± 299.694 χ^2/NDF : 66.0/67

- sign 42.657 ± 423.142 χ^2/NDF : 24.1/34

asym_us_avg_at1lr_avg_avg_eigen_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

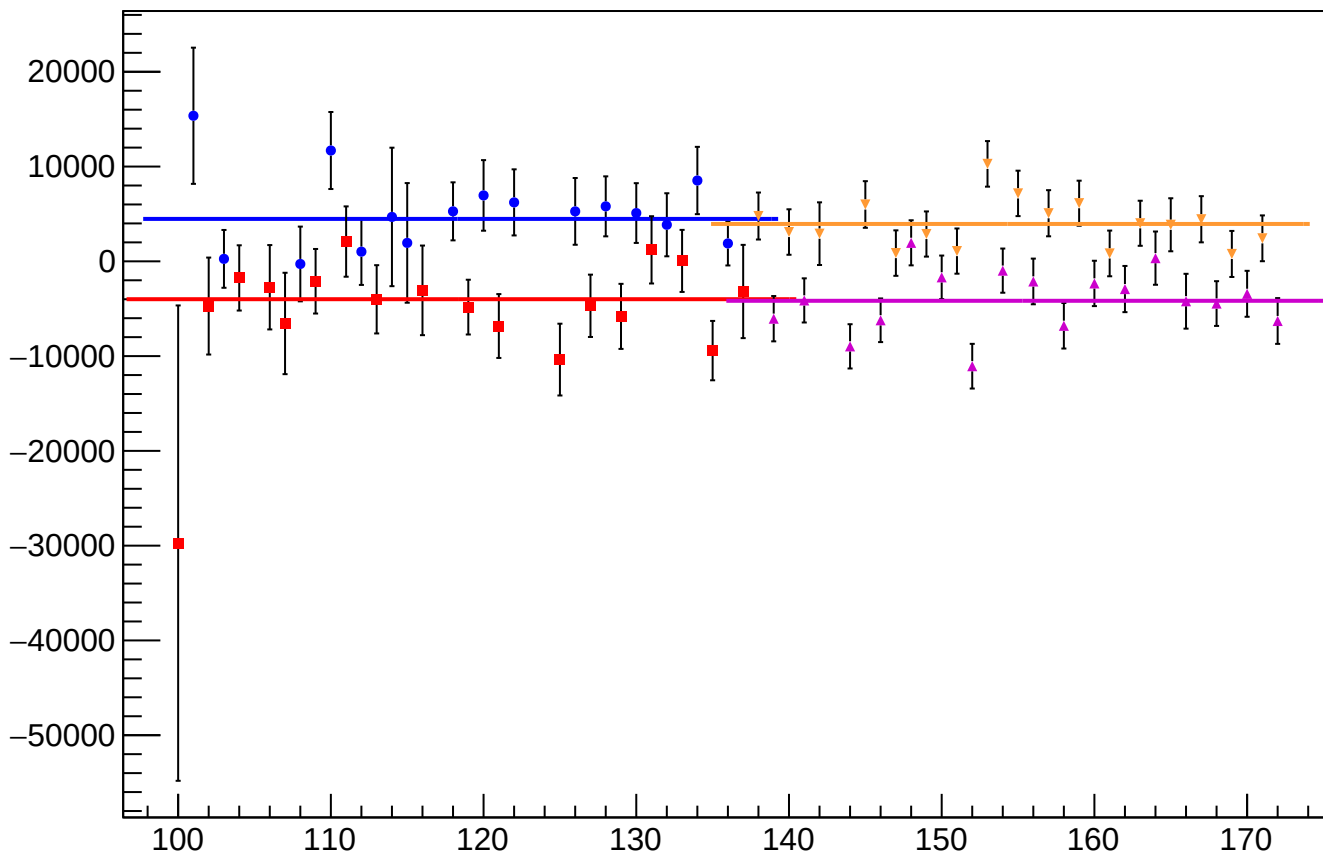
Left In: 1966.815+/-0.383 χ^2/NDF : 1412584.5/16

+ sign 1871.972+/-0.300 χ^2/NDF : 1805713.1/32

All: 1878.096+/-0.212 χ^2/NDF : 4089812.7/67

- sign 1884.180+/-0.299 χ^2/NDF : 2283269.9/34

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.431 $\pm$ 886.087 χ^2 /NDF: 13.5/15

Left Out: 3943.698 $\pm$ 597.912 χ^2 /NDF:17.9/16

Right Out: -3995.807 $\pm$ 890.441 χ^2 /NDF: 15.5/17

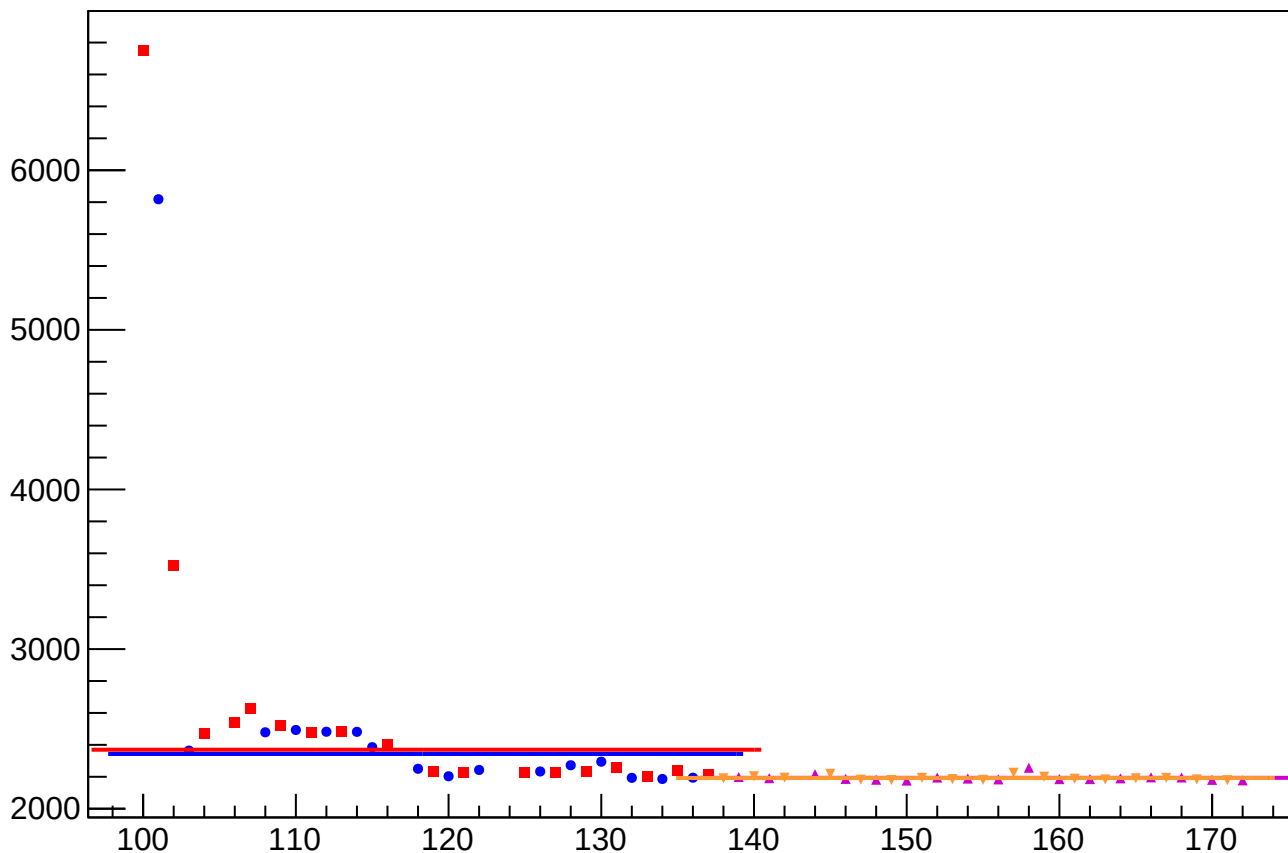
Left In: -4164.094 $\pm$ 585.512 χ^2 /NDF:30.1/16

+ sign 4110.373 $\pm$ 495.629 χ^2 /NDF: 31.7/32

All: -54.948 $\pm$ 348.176 χ^2 /NDF: 216.8/67

- sign -4113.295 $\pm$ 489.224 χ^2 /NDF: 45.6/34

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.914 $\pm$ 0.627 χ^2/NDF : 502866.3/15

Left Out: 2192.105 $\pm$ 0.423 χ^2/NDF : 938.9/16

Right Out: 2369.572 $\pm$ 0.630 χ^2/NDF : 210147.5/17

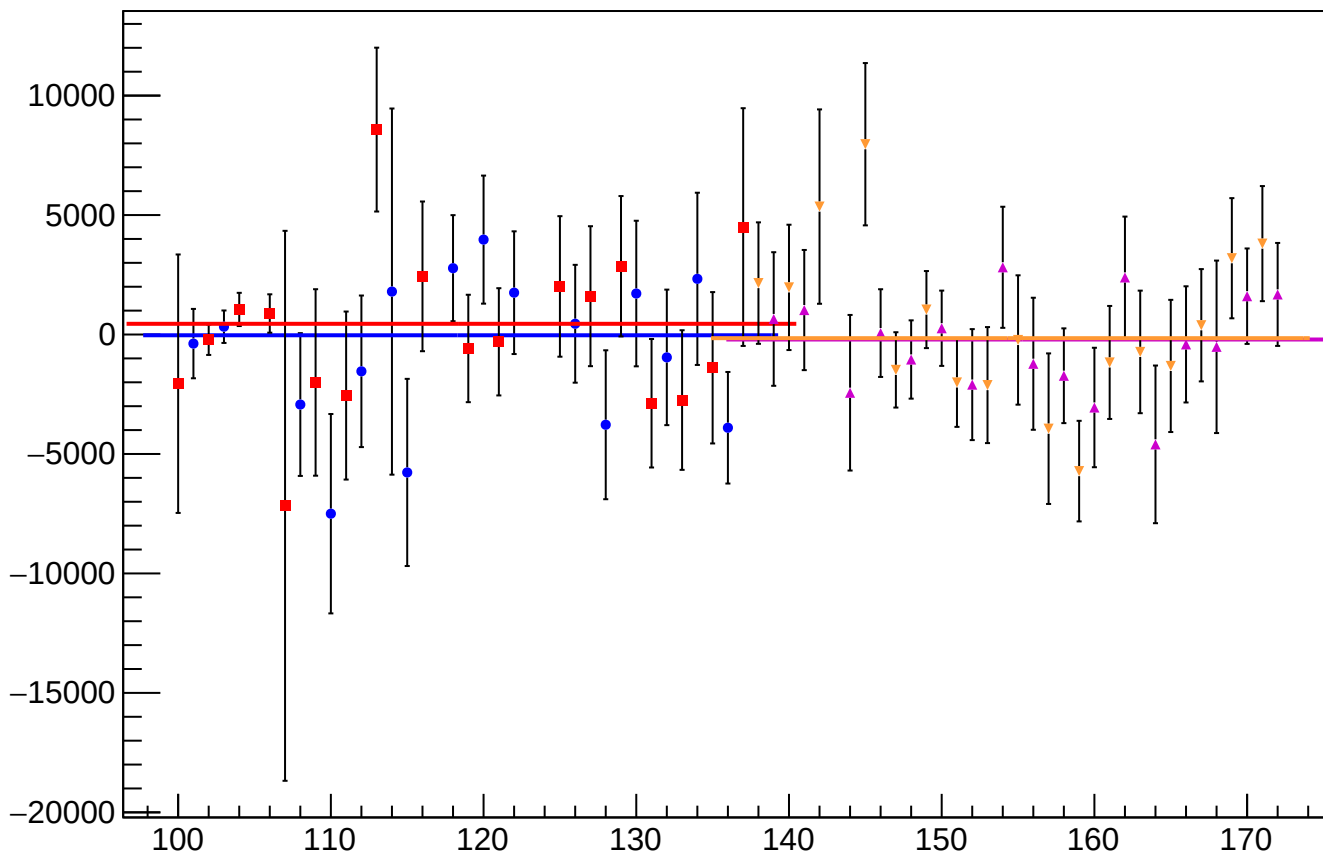
Left In: 2193.389 $\pm$ 0.414 χ^2/NDF : 1995.7/16

+ sign 2239.288 $\pm$ 0.350 χ^2/NDF : 543613.5/32

All: 2242.977 $\pm$ 0.246 χ^2/NDF : 810638.5/67

- sign 2246.572 $\pm$ 0.346 χ^2/NDF : 266806.2/34

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -31.393 ± 485.329 $\chi^2/\text{NDF}: 16.3/15$

Left Out: -153.265 ± 565.340 $\chi^2/\text{NDF}: 25.3/16$

Right Out: 448.261 ± 362.570 $\chi^2/\text{NDF}: 15.1/17$

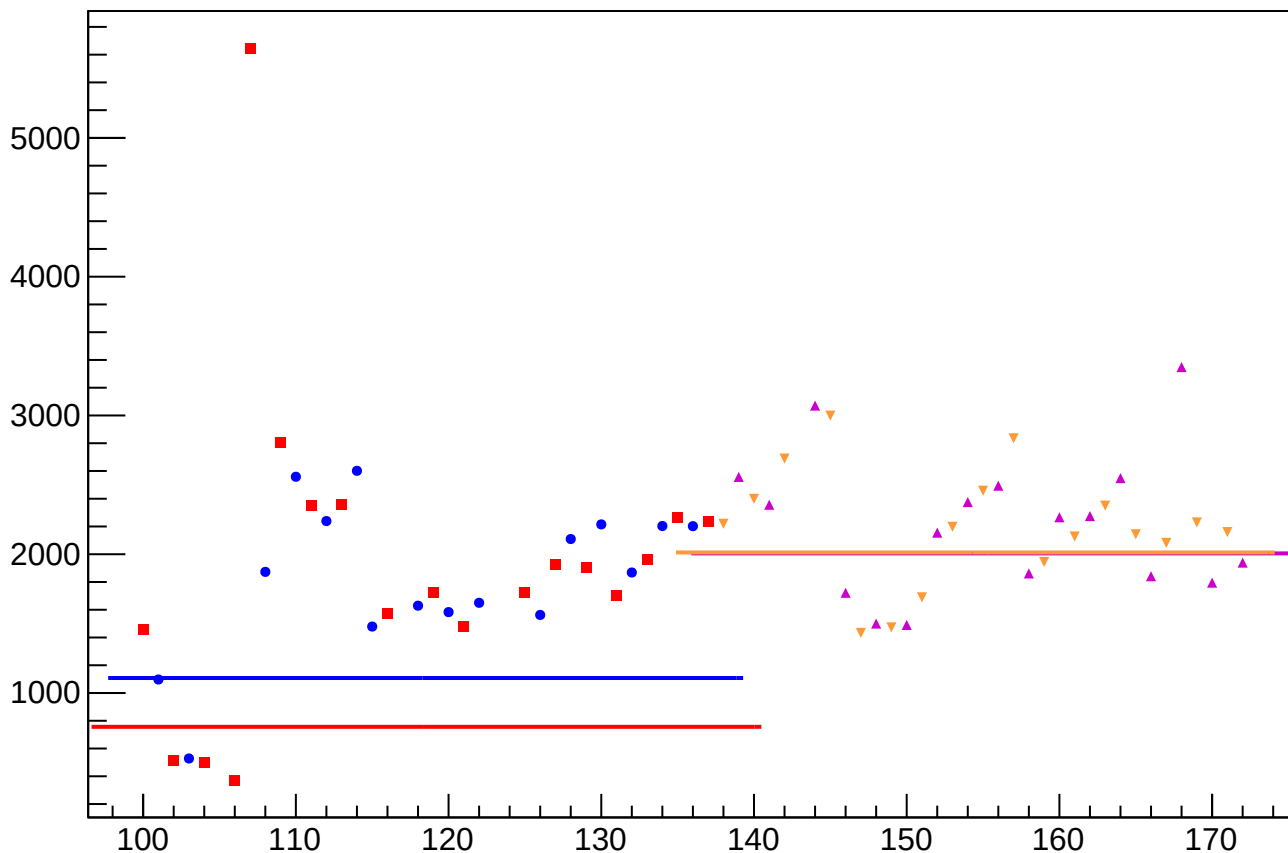
Left In: -208.942 ± 550.760 $\chi^2/\text{NDF}: 9.7/16$

+ sign -83.102 ± 368.247 $\chi^2/\text{NDF}: 41.6/32$

All: 115.347 ± 233.903 $\chi^2/\text{NDF}: 67.9/67$

- sign 249.560 ± 302.840 $\chi^2/\text{NDF}: 25.8/34$

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



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

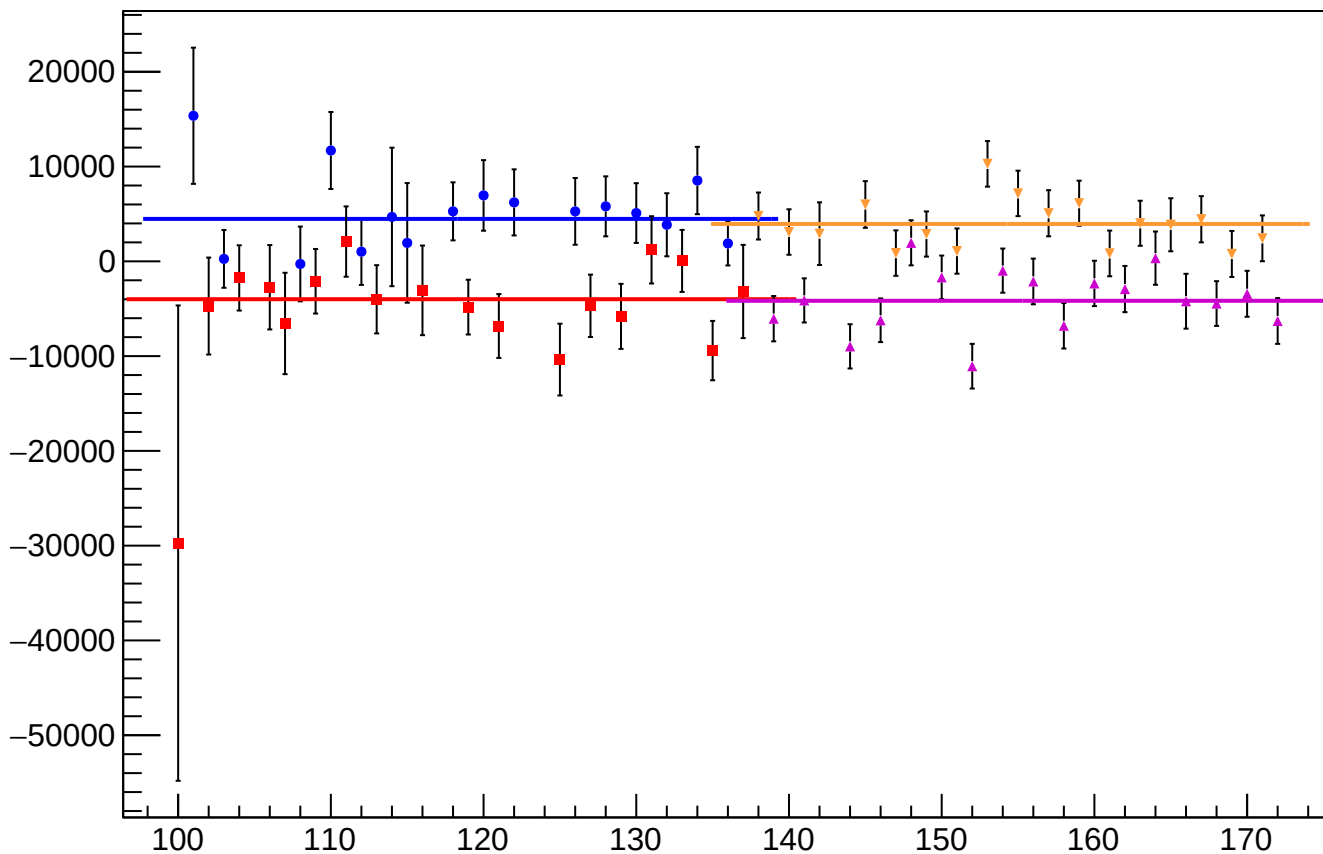
Left In: 2006.119+/-0.389 χ^2/NDF : 1314720.1/16

+ sign 1492.033+/-0.260 χ^2/NDF : 7803230.8/32

All: 1278.603+/-0.165 χ^2/NDF : 23031237.9/6

- sign 1134.258+/-0.214 χ^2/NDF : 14101799.4/34

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4476.427 $\pm$ 886.086 χ^2 /NDF: 13.5/15

Left Out: 3943.696 $\pm$ 597.912 χ^2 /NDF:17.9/16

Right Out: -3995.803 $\pm$ 890.441 χ^2 /NDF: 15.5/17

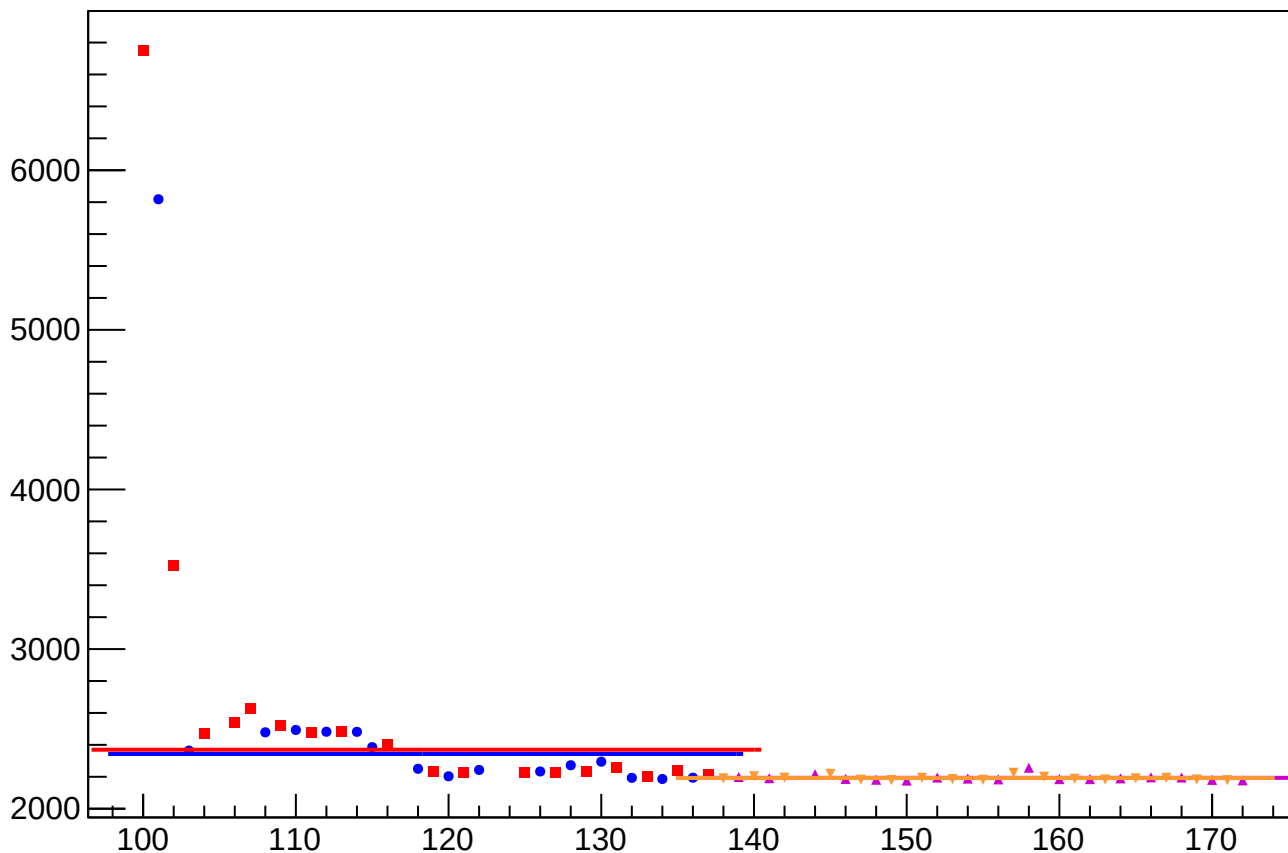
Left In: -4164.095 $\pm$ 585.512 χ^2 /NDF:30.1/16

+ sign 4110.371 $\pm$ 495.629 χ^2 /NDF: 31.7/32

All: -54.949 $\pm$ 348.176 χ^2 /NDF: 216.8/67

- sign -4113.295 $\pm$ 489.223 χ^2 /NDF: 45.6/34

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2342.913 $\pm$ 0.627 χ^2 /NDF: 502866.3/15

Left Out: 2192.105 $\pm$ 0.423 χ^2 /NDF: 938.9/16

Right Out: 2369.572 $\pm$ 0.630 χ^2 /NDF: 210146.5/17

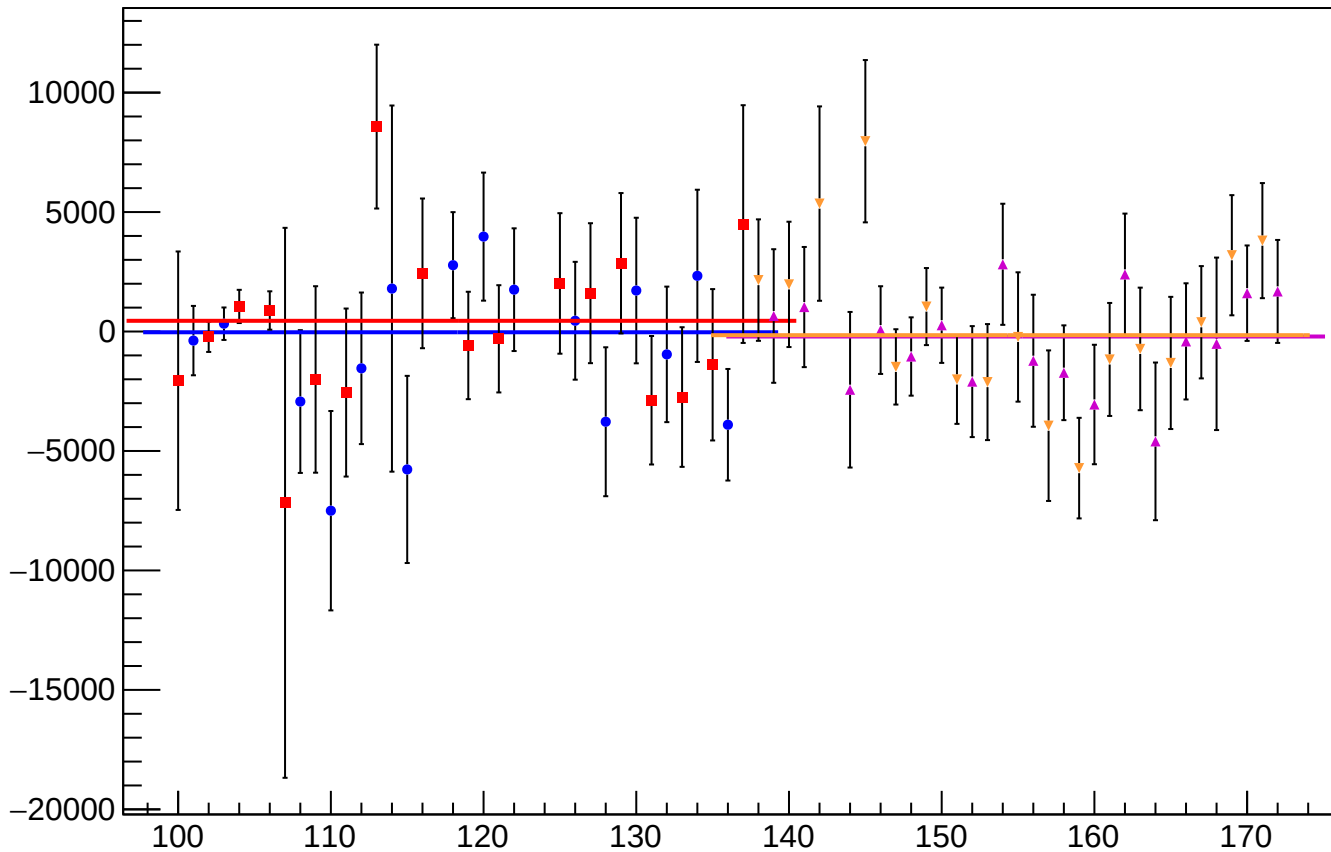
Left In: 2193.389 $\pm$ 0.414 χ^2 /NDF: 1995.7/16

+ sign 2239.288 $\pm$ 0.350 χ^2 /NDF: 543613.2/32

All: 2242.977 $\pm$ 0.246 χ^2 /NDF: 810636.8/67

- sign 2246.572 $\pm$ 0.346 χ^2 /NDF: 266804.8/34

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -31.400 $\pm$ 485.331 χ^2 /NDF: 16.3/15

Left Out: -153.270 $\pm$ 565.341 χ^2 /NDF:25.3/16

Right Out: 448.265 $\pm$ 362.575 χ^2 /NDF: 15.1/17

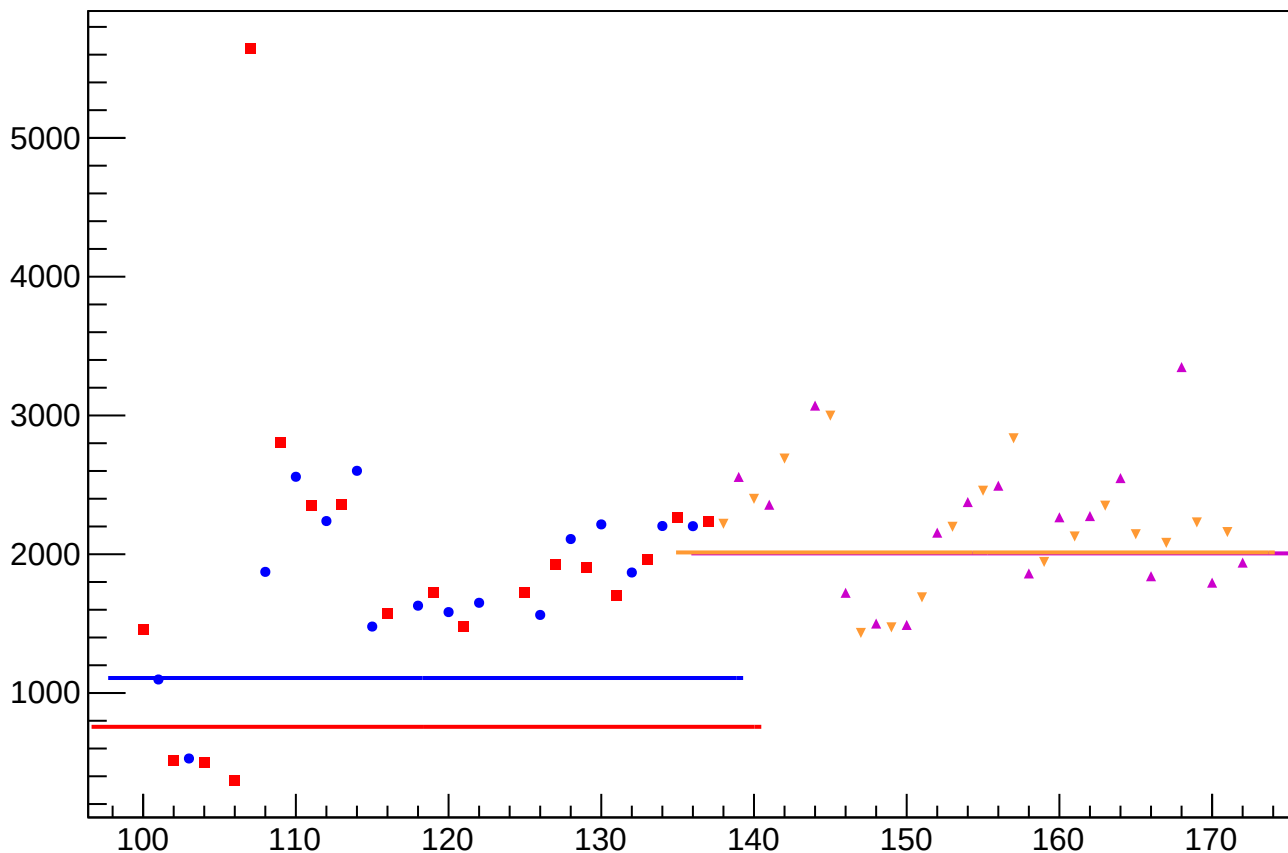
Left In: -208.943 $\pm$ 550.761 χ^2 /NDF:9.7/16

+ sign -83.108 $\pm$ 368.248 χ^2 /NDF: 41.6/32

All: 115.343 $\pm$ 233.904 χ^2 /NDF: 67.9/67

- sign 249.559 $\pm$ 302.843 χ^2 /NDF: 25.8/34

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



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

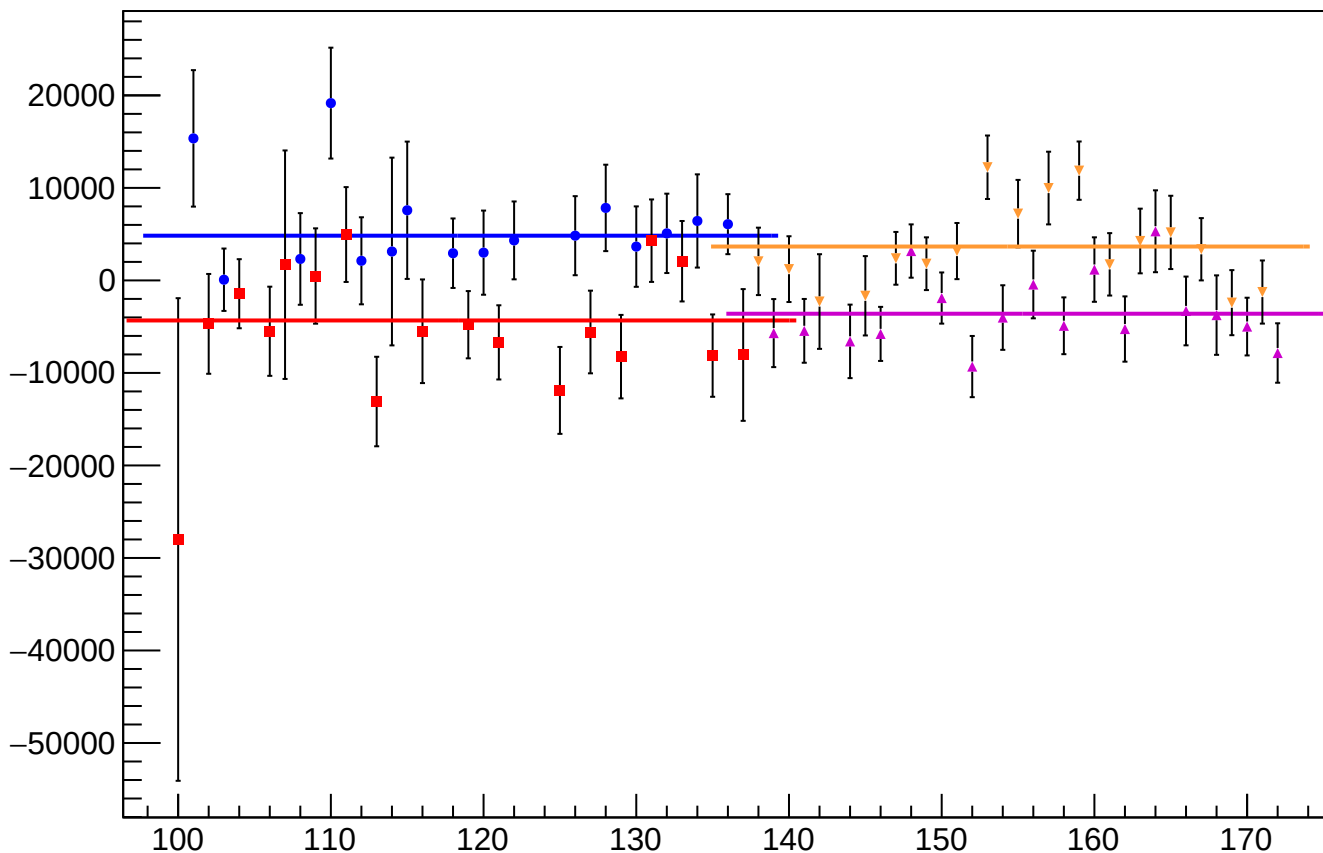
Left In: 2006.123+/-0.389 χ^2/NDF : 1314719.2/16

+ sign 1492.042+/-0.260 χ^2/NDF : 7803096.5/32

All: 1278.618+/-0.165 χ^2/NDF : 23030708.8/6

- sign 1134.275+/-0.214 χ^2/NDF : 14101473.9/34

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4833.806 $\pm$ 1142.535 χ^2 /NDF: 11.7/15

Left Out: 3661.901 $\pm$ 840.406 χ^2 /NDF: 26.3/16

Right Out: -4328.601 $\pm$ 1144.541 χ^2 /NDF: 19.9/17

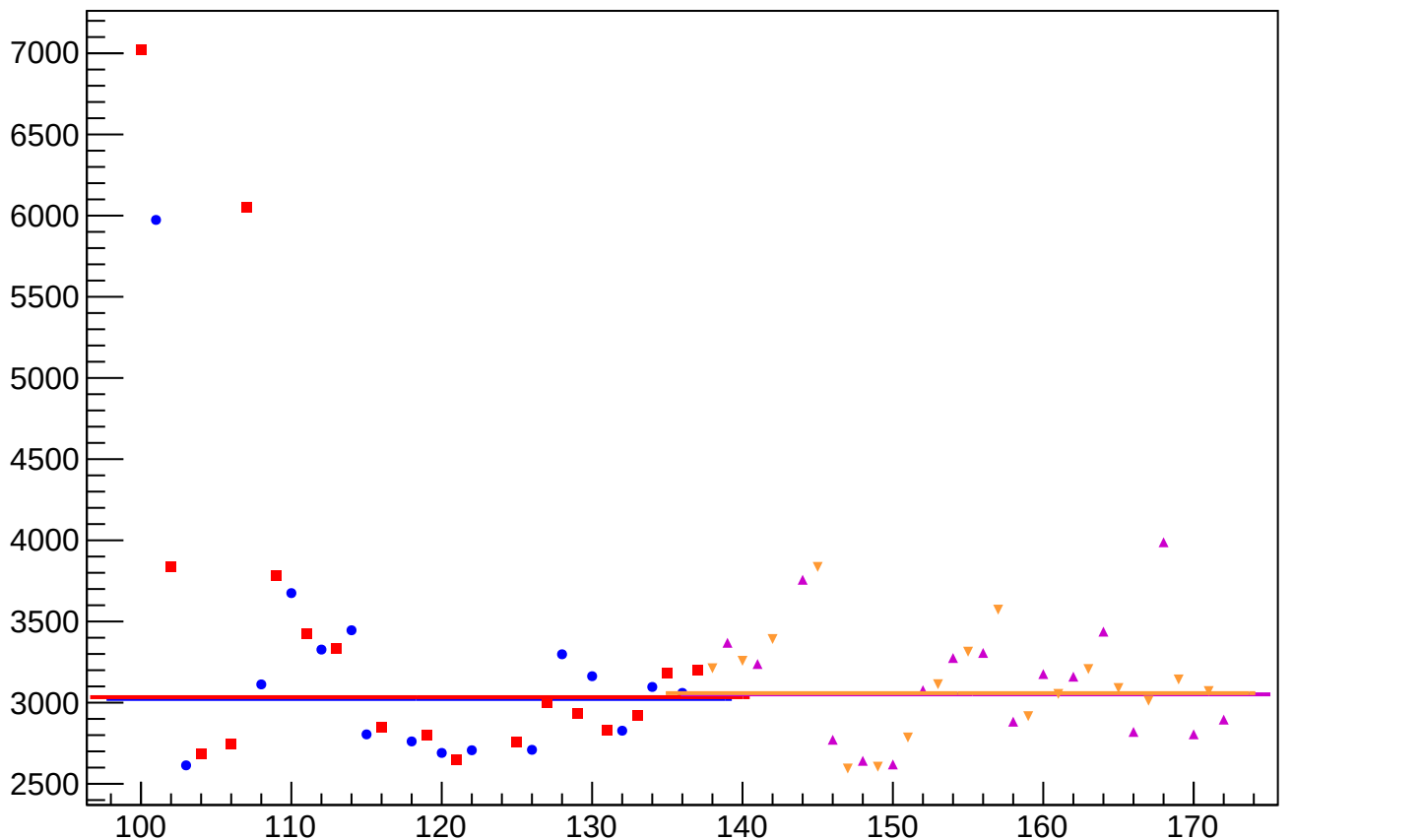
Left In: -3601.237 $\pm$ 820.818 χ^2 /NDF: 19.7/16

+ sign 4073.349 $\pm$ 676.987 χ^2 /NDF: 38.7/32

All: 53.790 $\pm$ 475.139 χ^2 /NDF: 148.0/67

- sign -3848.276 $\pm$ 667.020 χ^2 /NDF: 39.8/34

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

+ sign 3046.171 +/- 0.479 χ^2/NDF : 702766.2/32

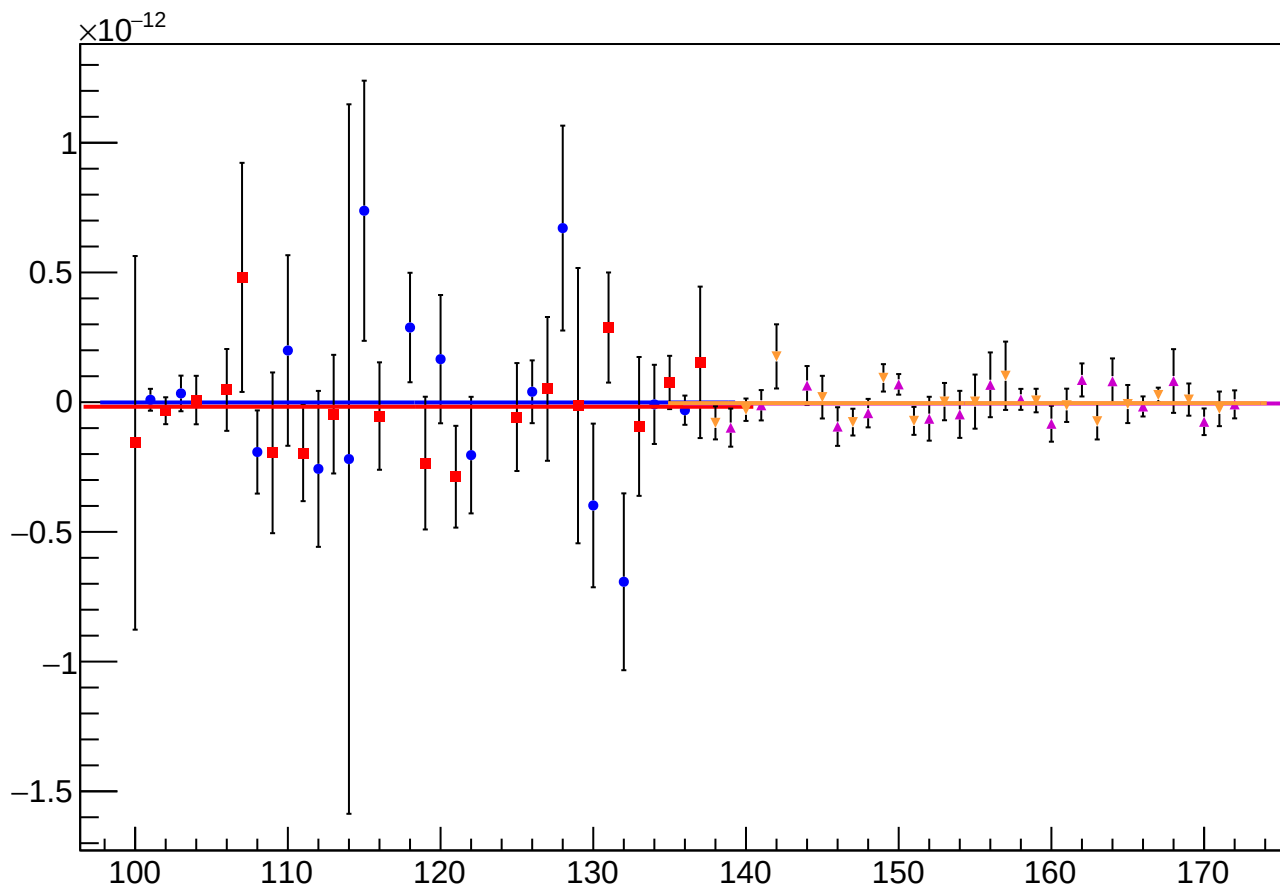
Right Out: 3033.869 +/- 0.809 χ^2/NDF : 342674.7/17

All: 3045.731 +/- 0.336 χ^2/NDF : 1400983.8/67

- sign 3045.304 +/- 0.472 χ^2/NDF : 698215.9/34

Left In: 3051.186 +/- 0.580 χ^2/NDF : 355238.9/16

asym_us_avg_at1lr_avg_avg_reg_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 : 14.1/16

Right Out: -0.000 ± 0.000 χ^2/NDF : 9.0/17

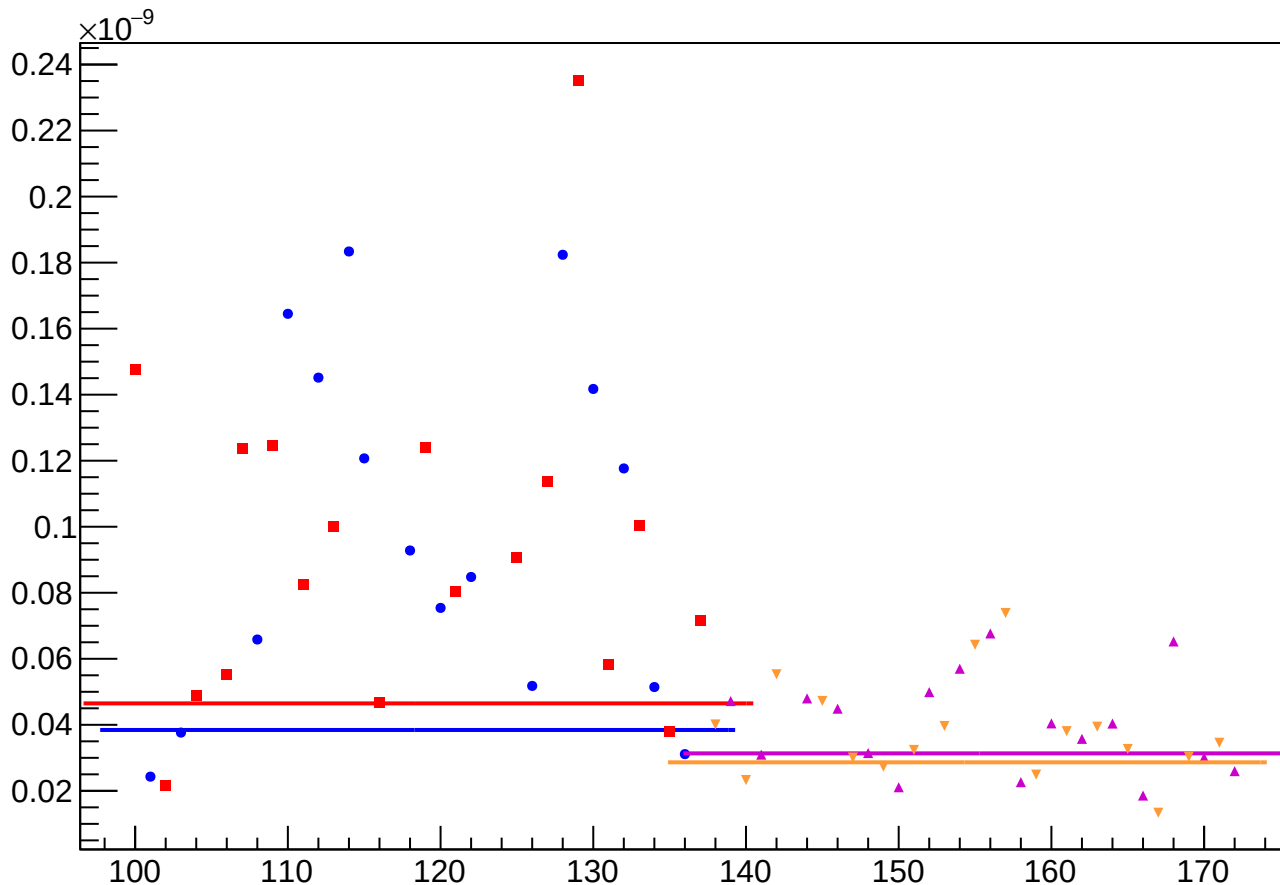
Left In: -0.000 ± 0.000 χ^2/NDF : 15.7/16

+ sign -0.000 ± 0.000 χ^2/NDF : 31.2/32

All: -0.000 ± 0.000 χ^2/NDF : 56.0/67

- sign -0.000 ± 0.000 χ^2/NDF : 24.8/34

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



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

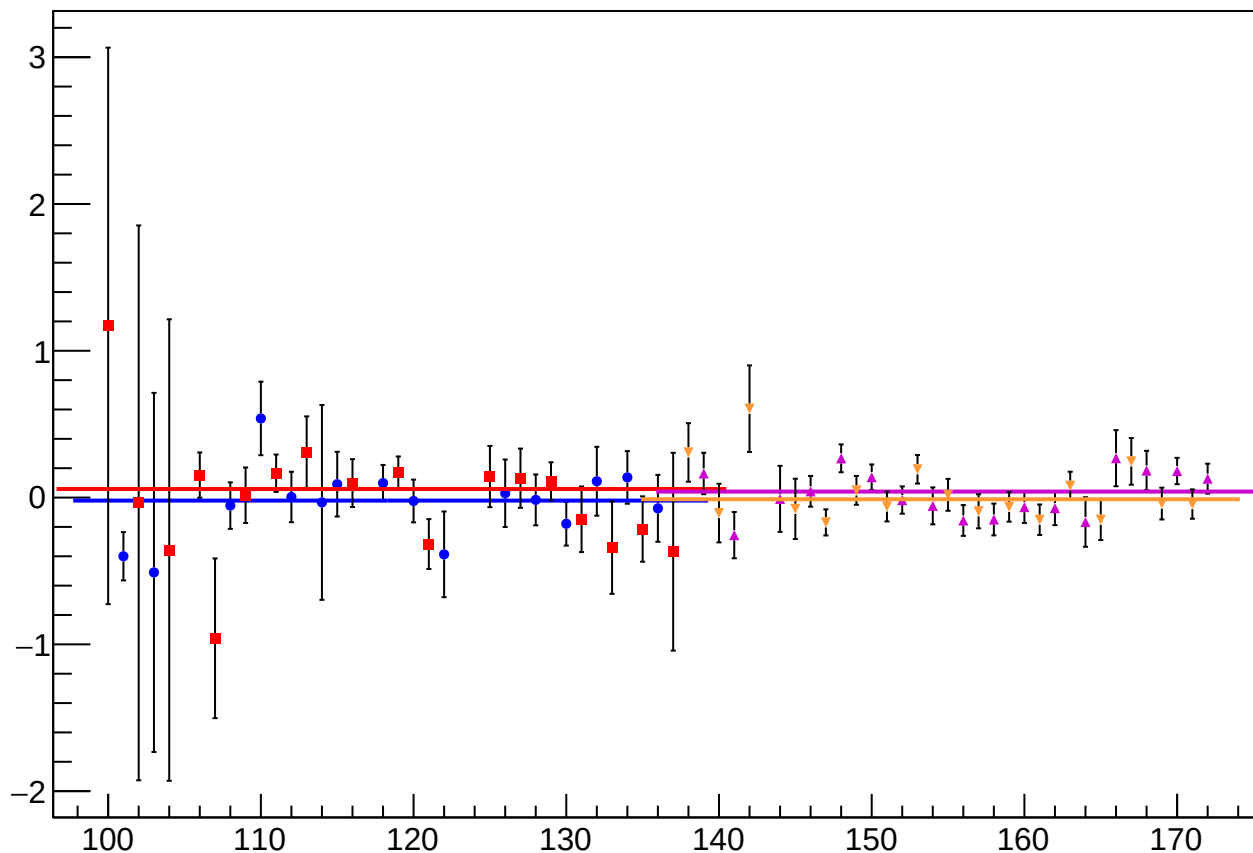
Left In: 0.000+/-0.000 χ^2/NDF :1366134.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 3504130.9/32

All: 0.000+/-0.000 χ^2/NDF : 6948482.9/67

- sign 0.000+/-0.000 χ^2/NDF : 3390607.9/34

asym_us_avg_at1lr_avg_avg_dit_vs_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

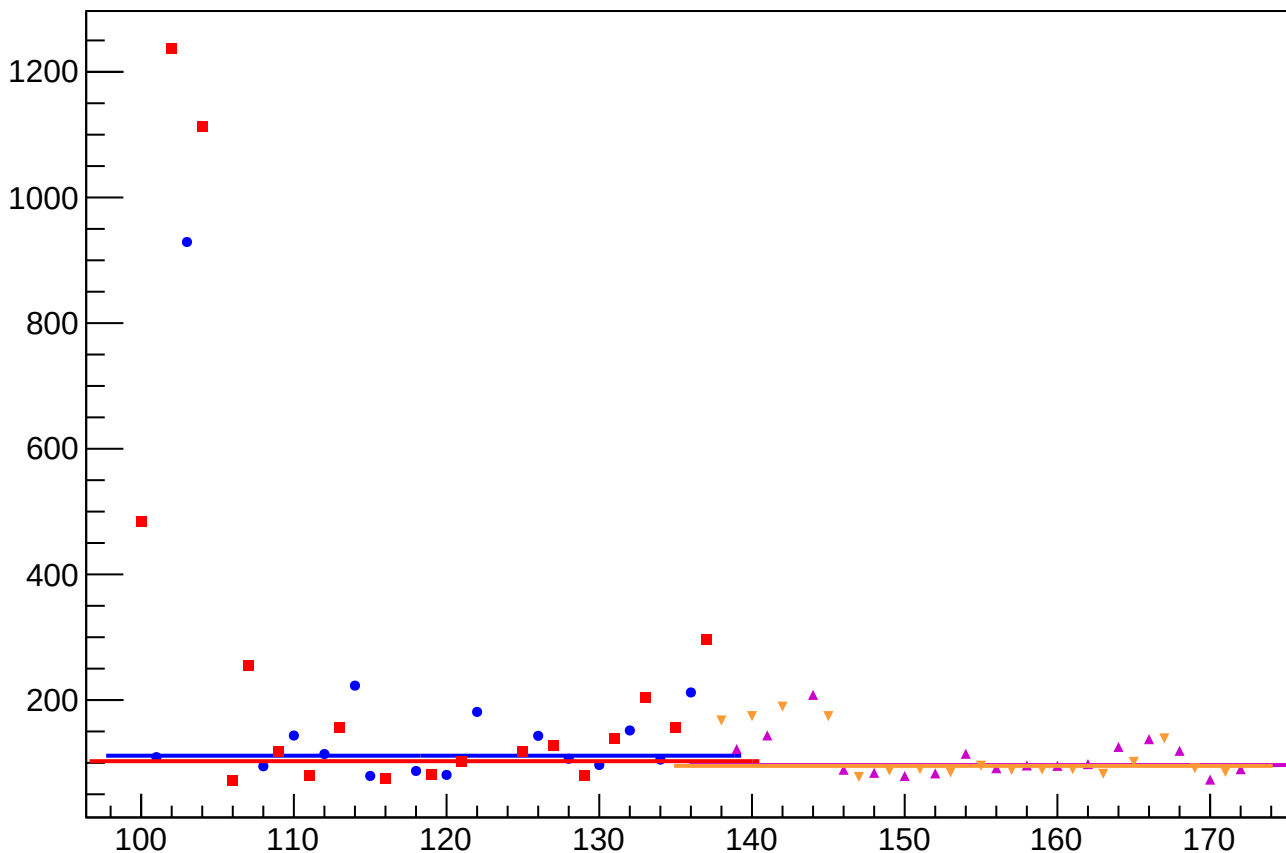
Left In: 0.041 ± 0.028 χ^2/NDF : 28.1/16

+ sign -0.014 ± 0.024 χ^2/NDF : 38.5/32

All: 0.016 ± 0.017 χ^2/NDF : 86.5/67

- sign 0.045 ± 0.024 χ^2/NDF : 45.0/34

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 111.407 $\pm$ 0.034 χ^2 /NDF: 1839361.2/15

Left Out: 95.186 $\pm$ 0.020 χ^2 /NDF: 1428866.2/16

Right Out: 102.673 $\pm$ 0.033 χ^2 /NDF: 2826852.7/17

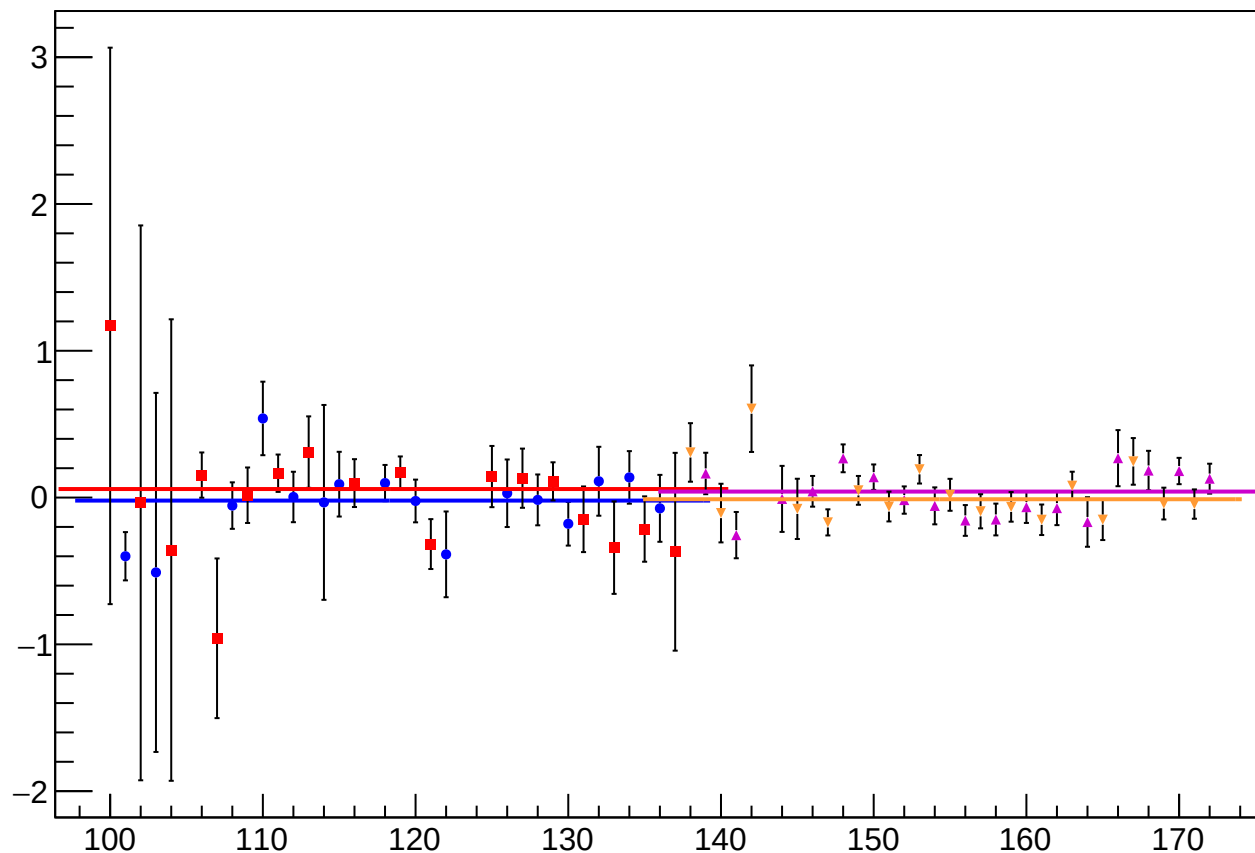
Left In: 96.521 $\pm$ 0.020 χ^2 /NDF: 1300771.0/16

+ sign 99.402 $\pm$ 0.017 χ^2 /NDF: 3439910.8/32

All: 98.759 $\pm$ 0.012 χ^2 /NDF: 7596174.8/67

- sign 98.141 $\pm$ 0.017 χ^2 /NDF: 4153516.3/34

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.048 χ^2/NDF : 15.6/15

Left Out: -0.011 ± 0.028 χ^2/NDF : 22.9/16

Right Out: 0.058 ± 0.046 χ^2/NDF : 16.8/17

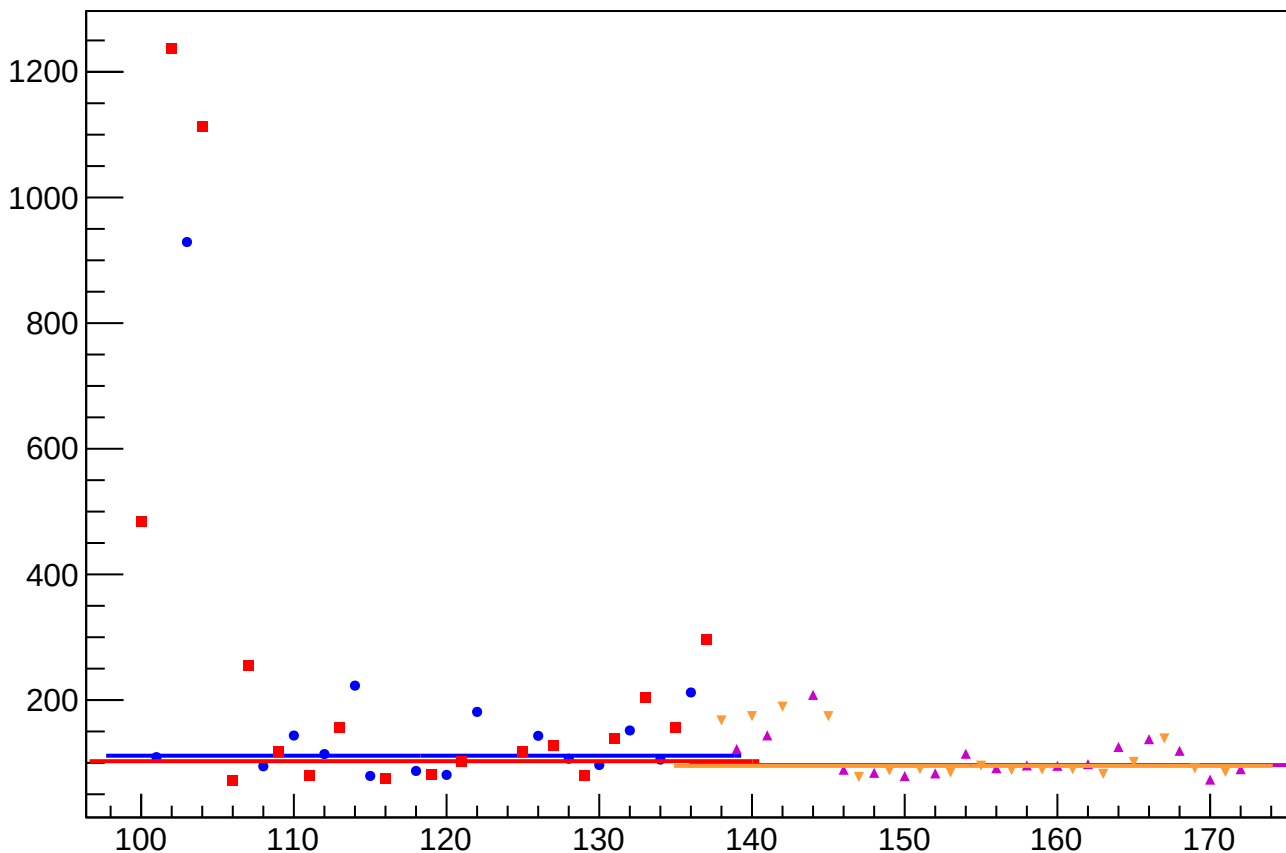
Left In: 0.041 ± 0.028 χ^2/NDF : 28.1/16

+ sign -0.014 ± 0.024 χ^2/NDF : 38.5/32

All: 0.016 ± 0.017 χ^2/NDF : 86.5/67

- sign 0.045 ± 0.024 χ^2/NDF : 45.0/34

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.407 ± 0.034 χ^2/NDF : 1839361.2/15

Left Out: 95.186 ± 0.020 χ^2/NDF : 1428866.2/16

Right Out: 102.673 ± 0.033 χ^2/NDF : 2826852.7/17

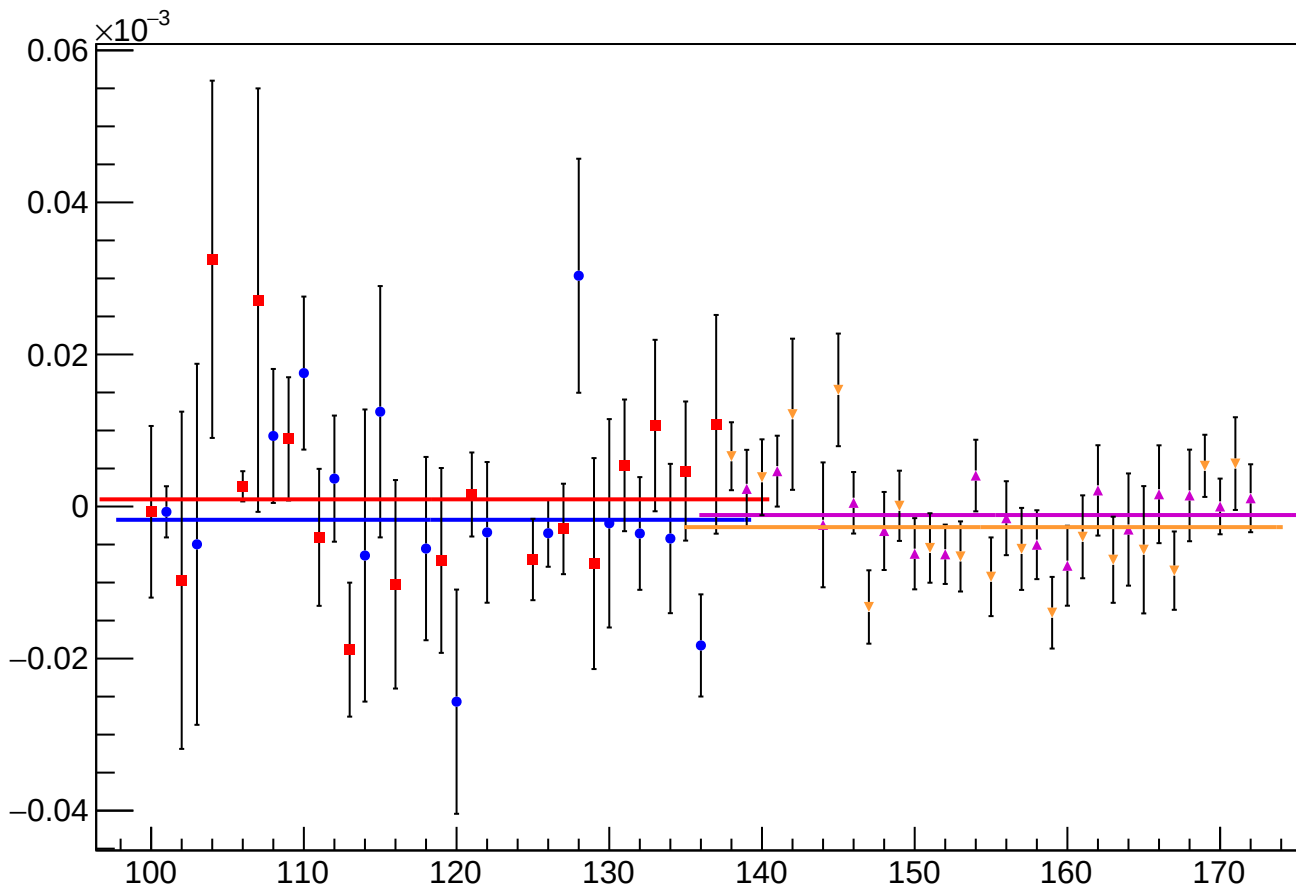
Left In: 96.521 ± 0.020 χ^2/NDF : 1300771.0/16

+ sign 99.402 ± 0.017 χ^2/NDF : 3439910.8/32

All: 98.759 ± 0.012 χ^2/NDF : 7596174.8/67

- sign 98.141 ± 0.017 χ^2/NDF : 4153516.3/34

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

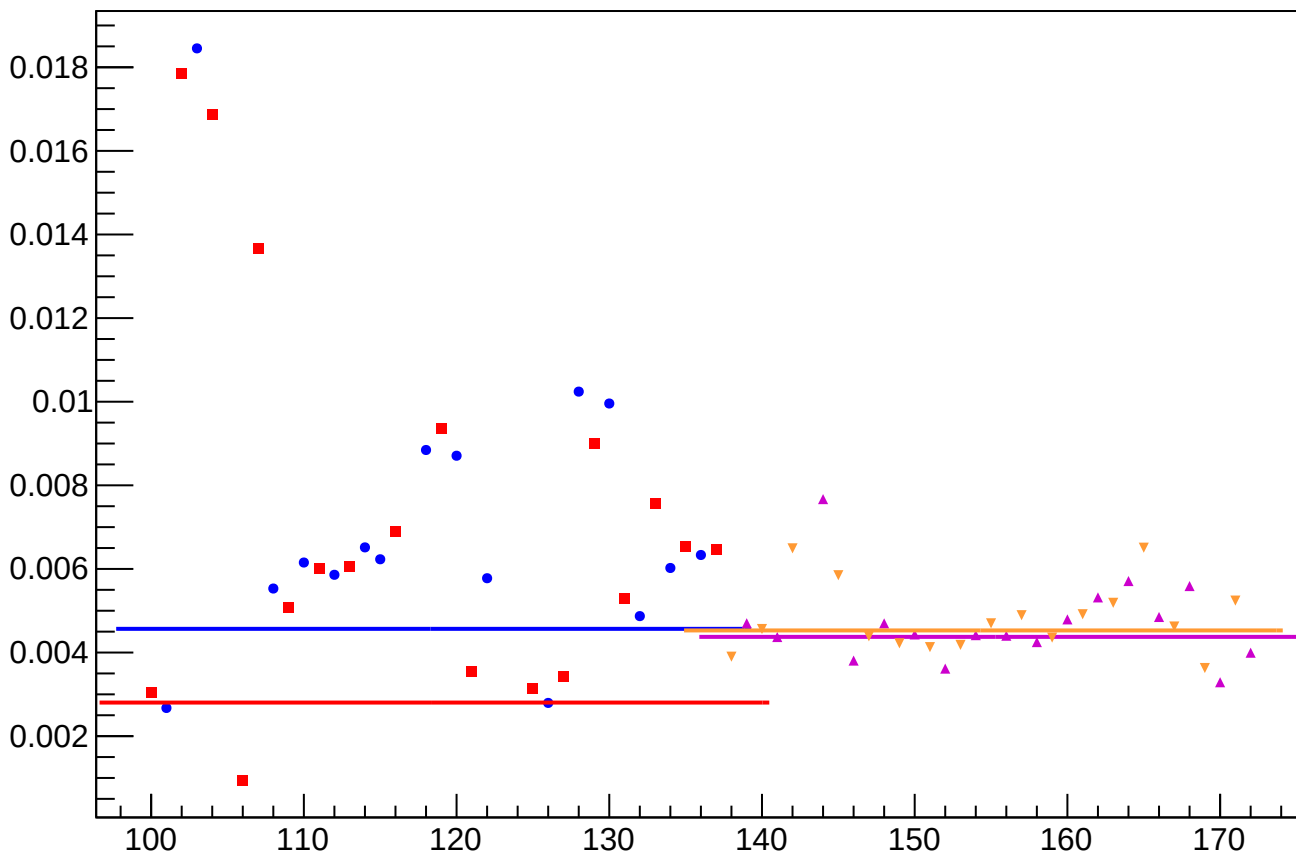
Left In: -0.000+/-0.000 χ^2/NDF : 9.9/16

+ sign -0.000+/-0.000 χ^2/NDF : 56.0/32

All: -0.000+/-0.000 χ^2/NDF : 85.0/67

- sign -0.000+/-0.000 χ^2/NDF : 26.8/34

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 3012257.6/15

Left Out: 0.005+/-0.000 χ^2/NDF : 506058.8/16

Right Out: 0.003+/-0.000 χ^2/NDF : 6610011.8/17

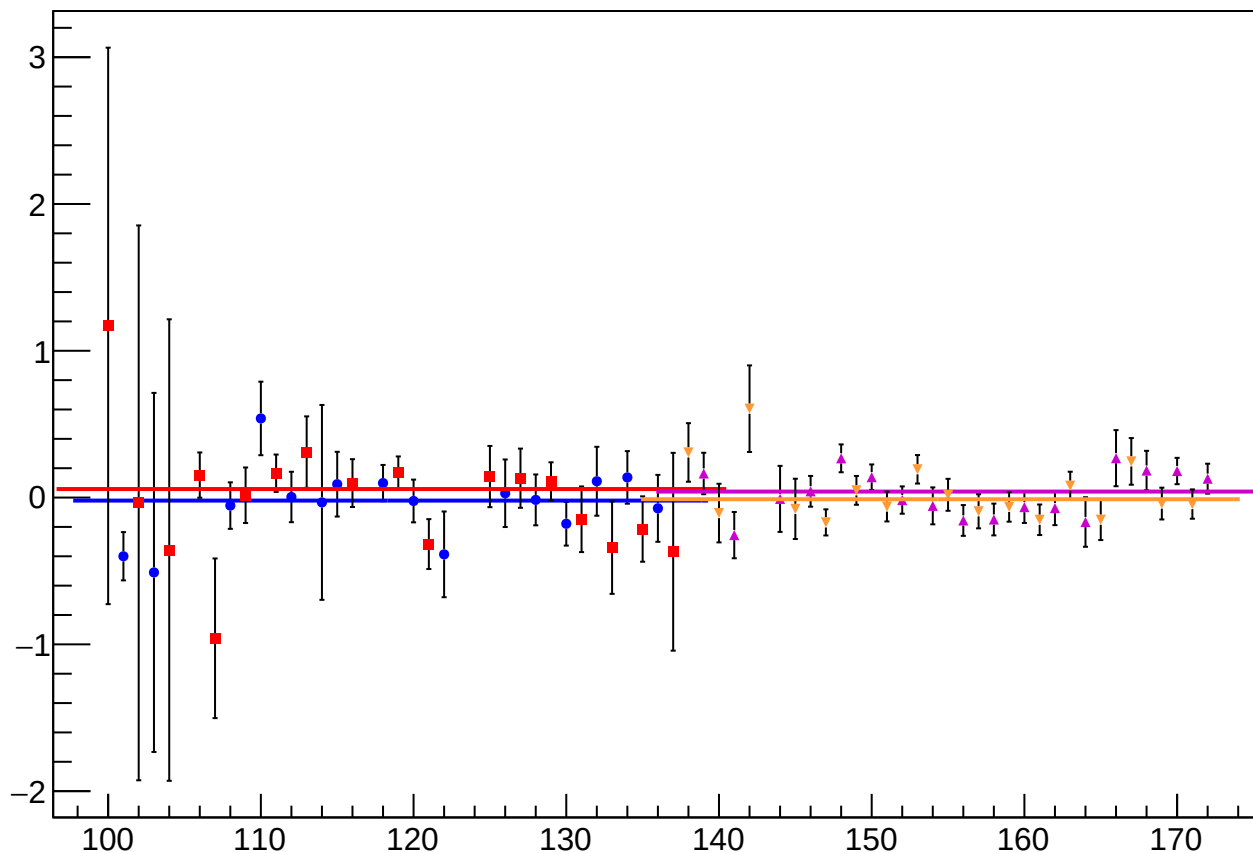
Left In: 0.004+/-0.000 χ^2/NDF : 866086.1/16

+ sign 0.005+/-0.000 χ^2/NDF : 3518856.4/32

All: 0.004+/-0.000 χ^2/NDF : 12986238.2/67

- sign 0.004+/-0.000 χ^2/NDF : 8846391.7/34

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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

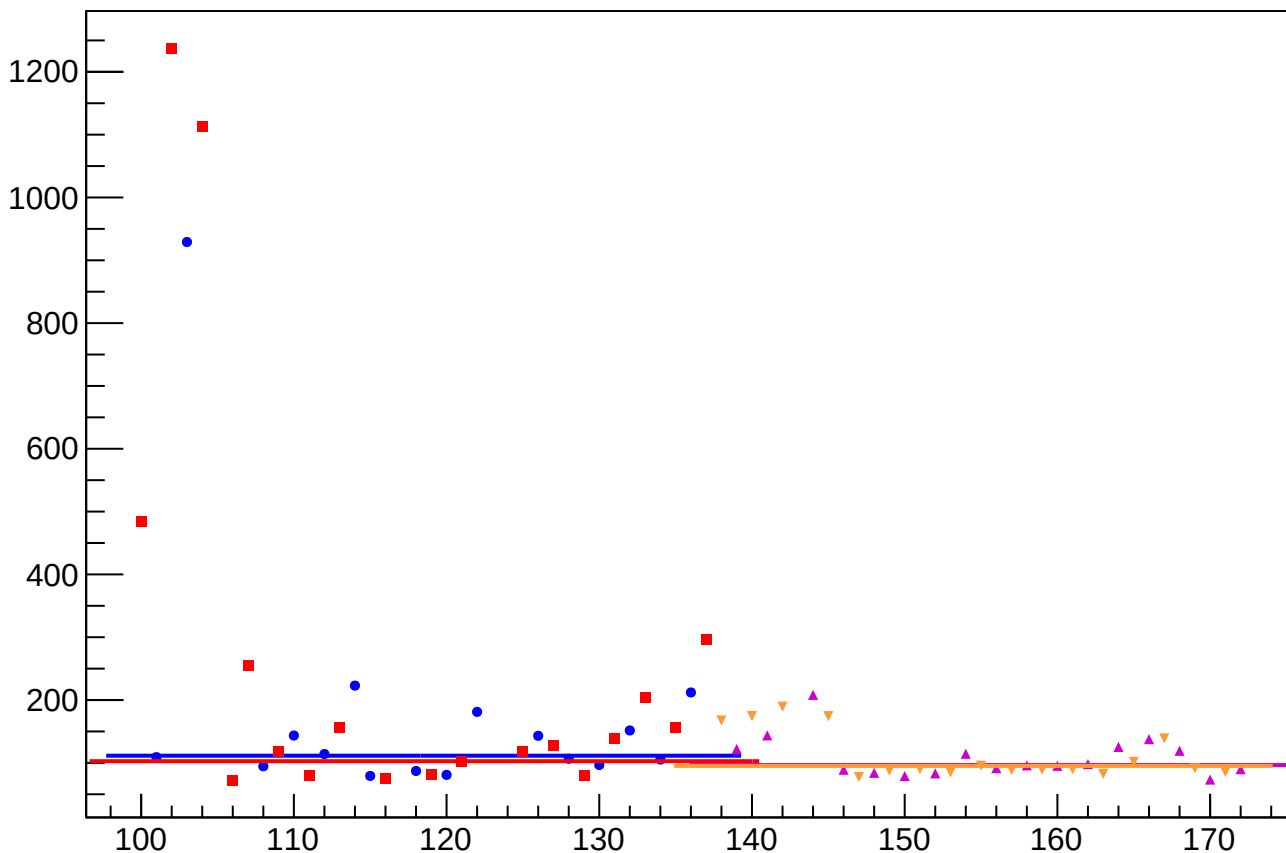
Left In: 0.041 ± 0.028 χ^2/NDF : 28.1/16

+ sign -0.014 ± 0.024 χ^2/NDF : 38.5/32

All: 0.016 ± 0.017 χ^2/NDF : 86.5/67

- sign 0.045 ± 0.024 χ^2/NDF : 45.0/34

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 111.404 ± 0.034 χ^2/NDF : 1839407.3/15

Left Out: 95.186 ± 0.020 χ^2/NDF : 1428842.9/16

Right Out: 102.671 ± 0.033 χ^2/NDF : 2826848.2/17

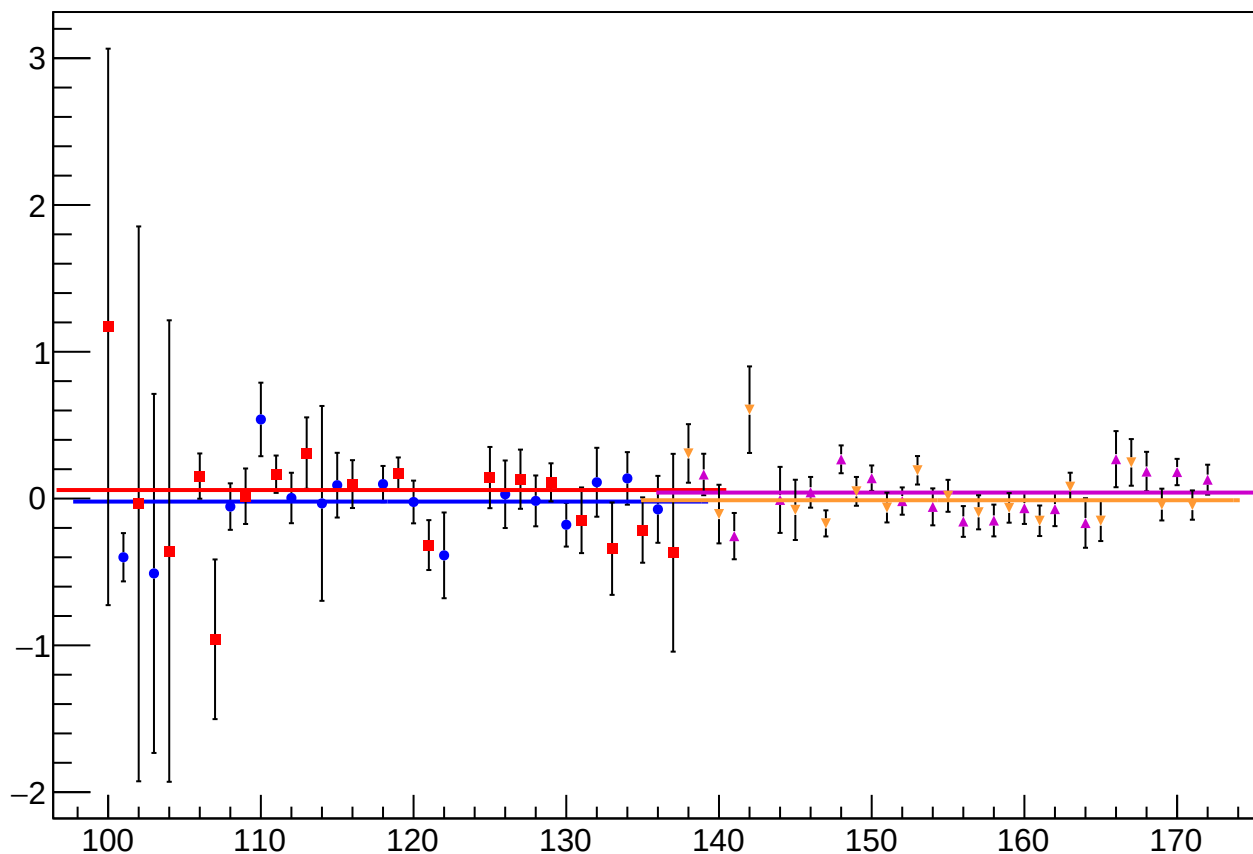
Left In: 96.522 ± 0.020 χ^2/NDF : 1300740.7/16

+ sign 99.402 ± 0.017 χ^2/NDF : 3439866.3/32

All: 98.759 ± 0.012 χ^2/NDF : 7596077.7/67

- sign 98.141 ± 0.017 χ^2/NDF : 4153464.0/34

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

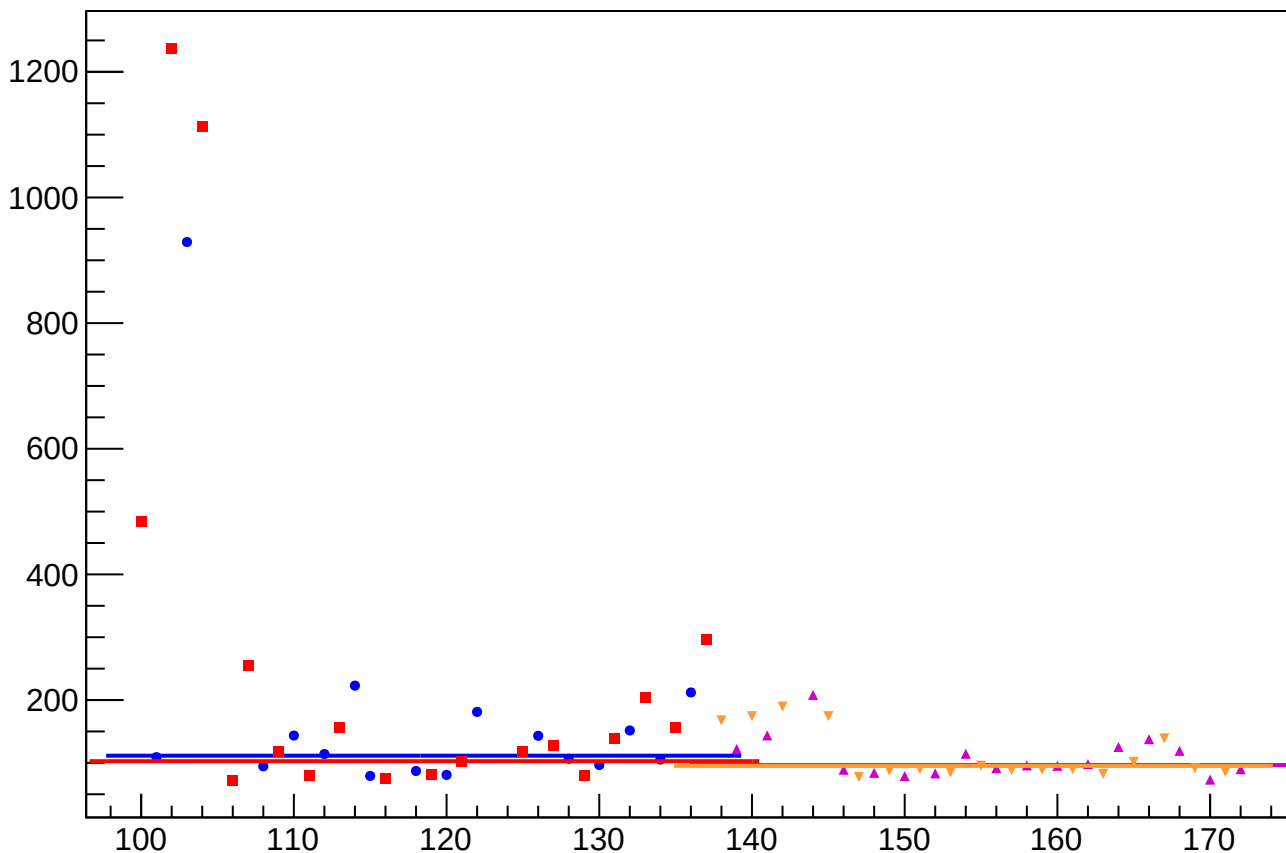
Left In: 0.041 ± 0.028 χ^2/NDF : 28.1/16

+ sign -0.014 ± 0.024 χ^2/NDF : 38.5/32

All: 0.016 ± 0.017 χ^2/NDF : 86.5/67

- sign 0.045 ± 0.024 χ^2/NDF : 45.0/34

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 111.404 ± 0.034 χ^2/NDF : 1839407.3/15

Left Out: 95.186 ± 0.020 χ^2/NDF : 1428842.9/16

Right Out: 102.671 ± 0.033 χ^2/NDF : 2826848.2/17

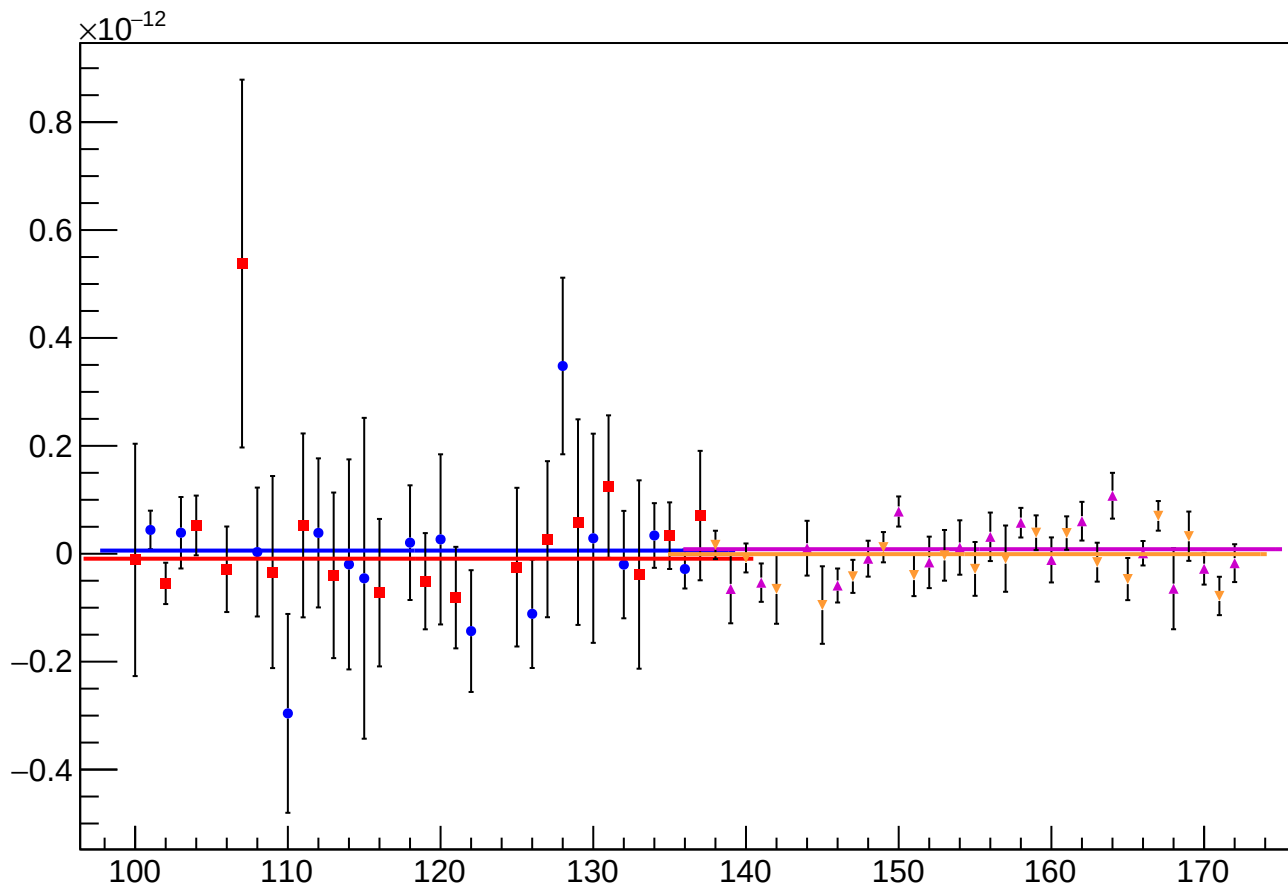
Left In: 96.522 ± 0.020 χ^2/NDF : 1300740.7/16

+ sign 99.402 ± 0.017 χ^2/NDF : 3439866.3/32

All: 98.759 ± 0.012 χ^2/NDF : 7596077.7/67

- sign 98.141 ± 0.017 χ^2/NDF : 4153464.0/34

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:23.2/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.7/17

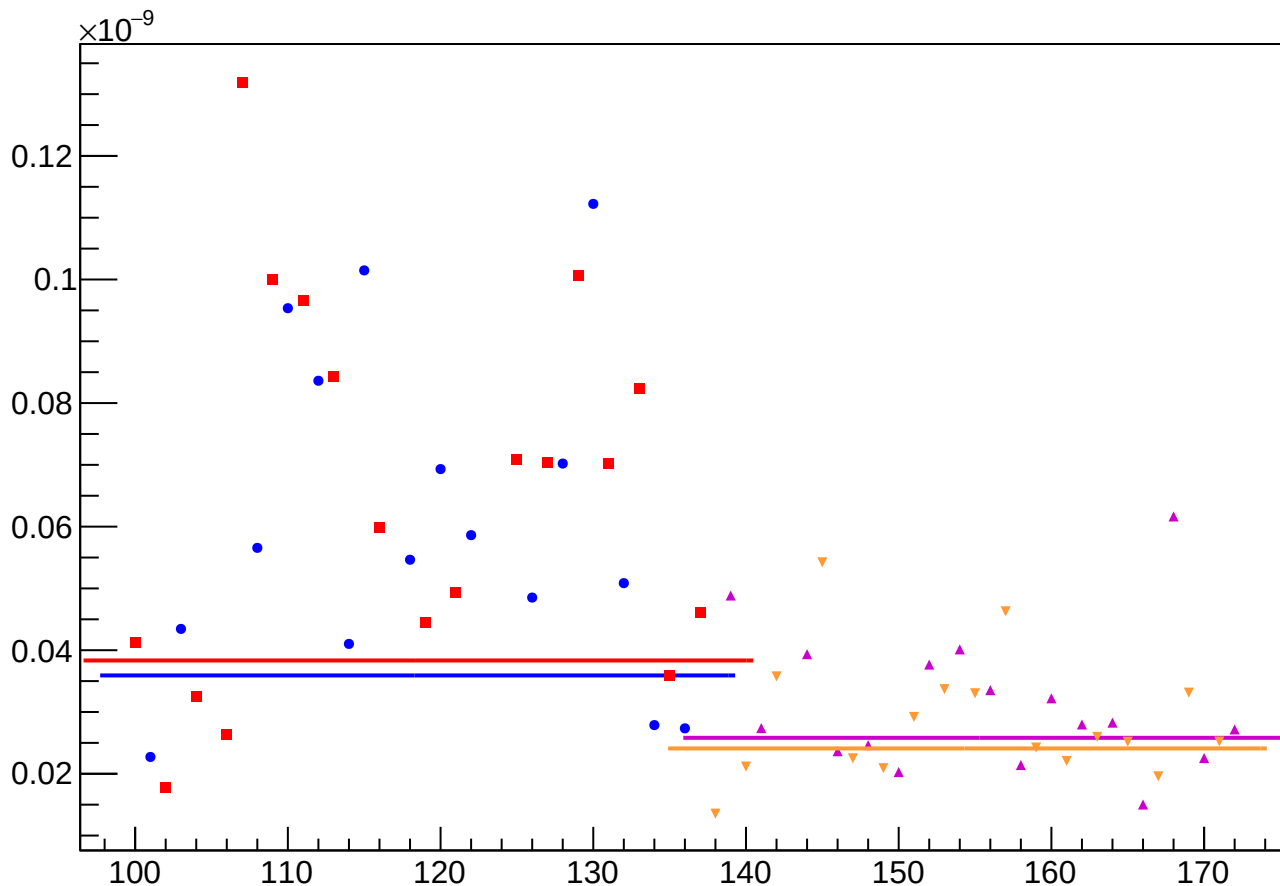
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:30.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.8/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.4/34

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1387799.1/16

Right Out: 0.000+/-0.000 χ^2/NDF : 2202319.8/17

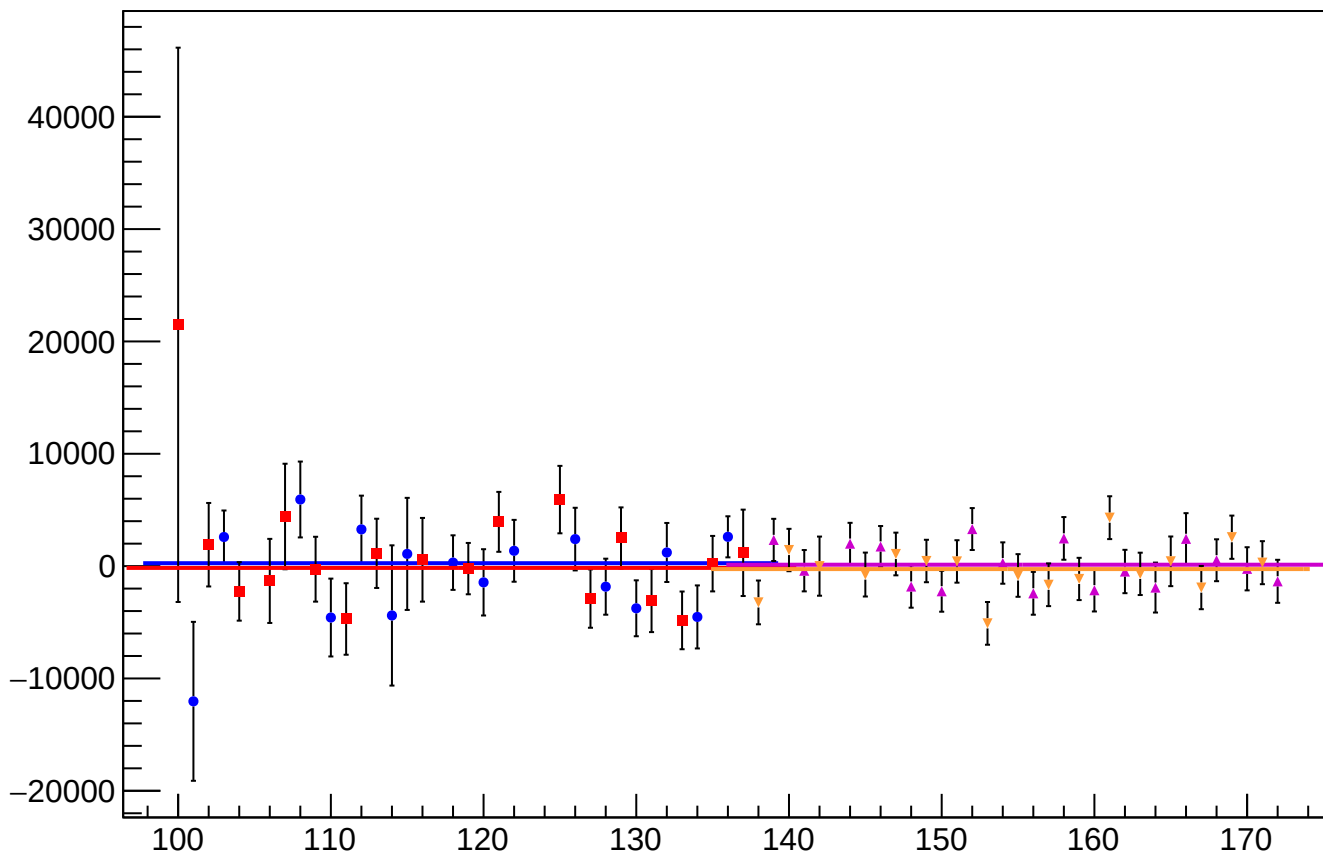
Left In: 0.000+/-0.000 χ^2/NDF : 1890110.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 3777707.1/32

All: 0.000+/-0.000 χ^2/NDF : 8481833.4/67

- sign 0.000+/-0.000 χ^2/NDF : 4670174.3/34

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.502 $\pm$ 709.700 χ^2 /NDF: 19.4/15

Left Out: -263.962 $\pm$ 472.728 χ^2 /NDF: 20.2/16

Right Out: -159.330 $\pm$ 712.314 χ^2 /NDF: 18.1/17

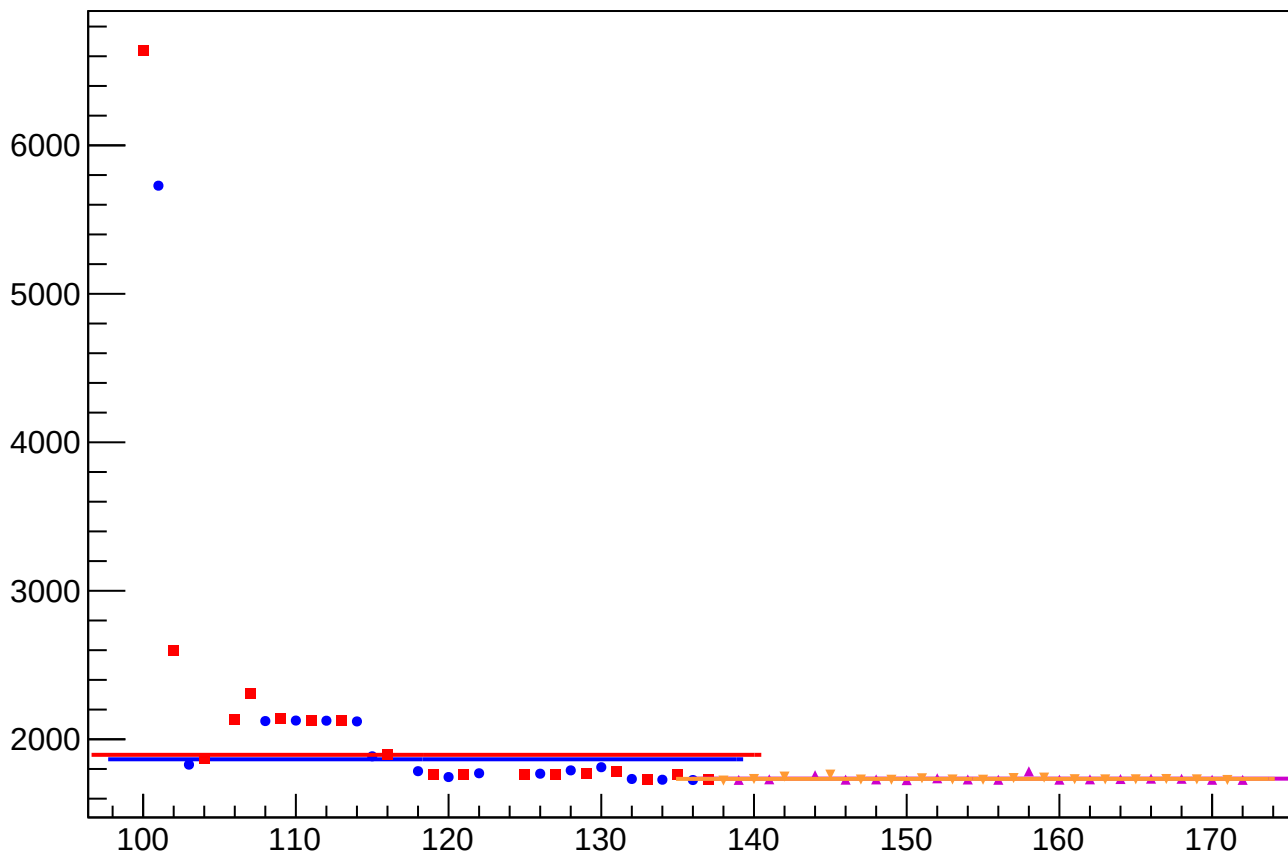
Left In: 124.800 $\pm$ 463.077 χ^2 /NDF: 16.3/16

+ sign -103.087 $\pm$ 393.437 χ^2 /NDF: 40.0/32

All: -30.395 $\pm$ 276.348 χ^2 /NDF: 74.5/67

- sign 40.391 $\pm$ 388.246 χ^2 /NDF: 34.5/34

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1865.170 $\pm$ 0.502 χ^2 /NDF: 672724.7/15

Left Out: 1733.297 $\pm$ 0.334 χ^2 /NDF: 739.0/16

Right Out: 1895.250 $\pm$ 0.504 χ^2 /NDF: 250806.5/17

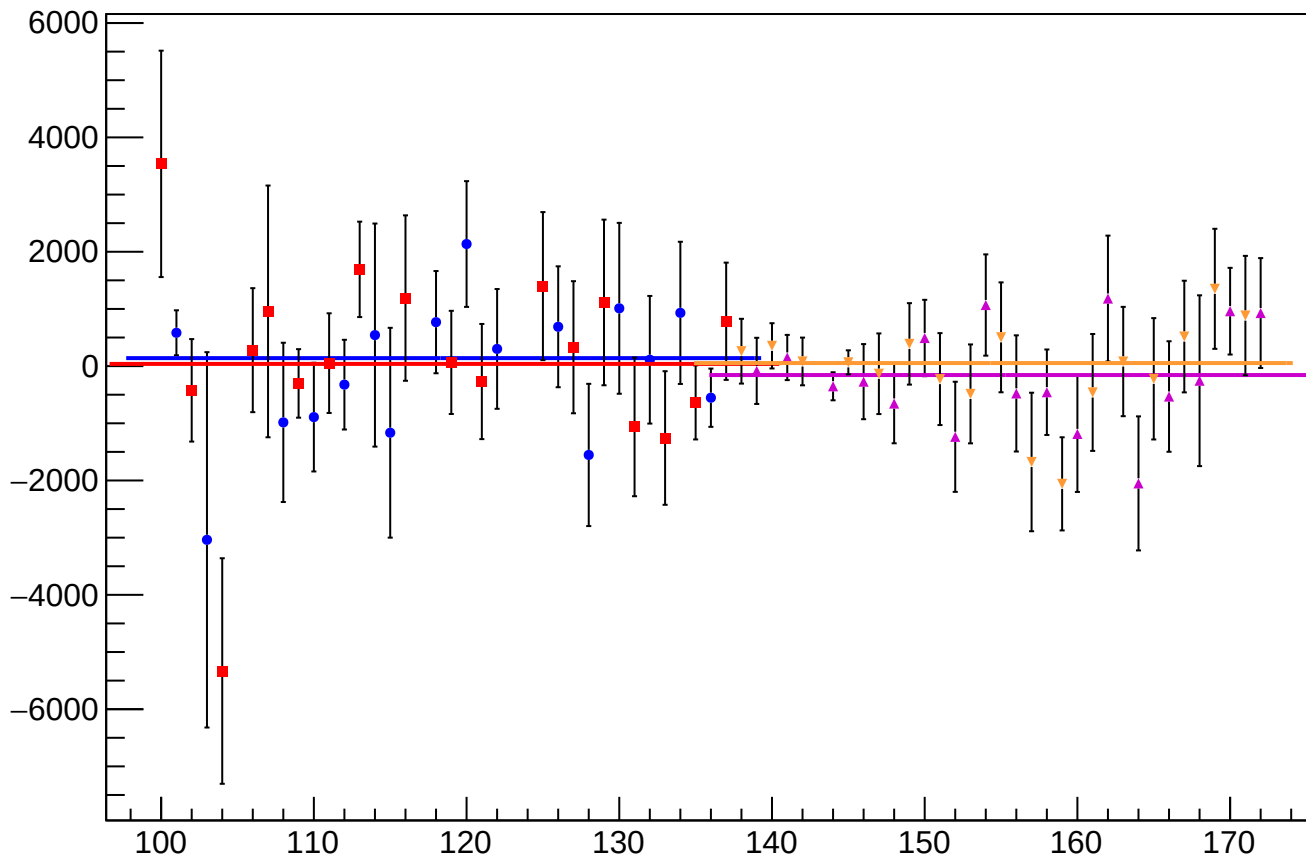
Left In: 1734.811 $\pm$ 0.327 χ^2 /NDF: 1959.8/16

+ sign 1773.825 $\pm$ 0.278 χ^2 /NDF: 721296.4/32

All: 1778.207 $\pm$ 0.195 χ^2 /NDF: 1045872.6/67

- sign 1782.474 $\pm$ 0.275 χ^2 /NDF: 324086.5/34

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 139.799 $\pm$ 220.100 χ^2 /NDF: 13.5/15

Left Out: 53.567 $\pm$ 136.216 χ^2 /NDF:13.2/16

Right Out: 38.629 $\pm$ 238.253 χ^2 /NDF: 21.4/17

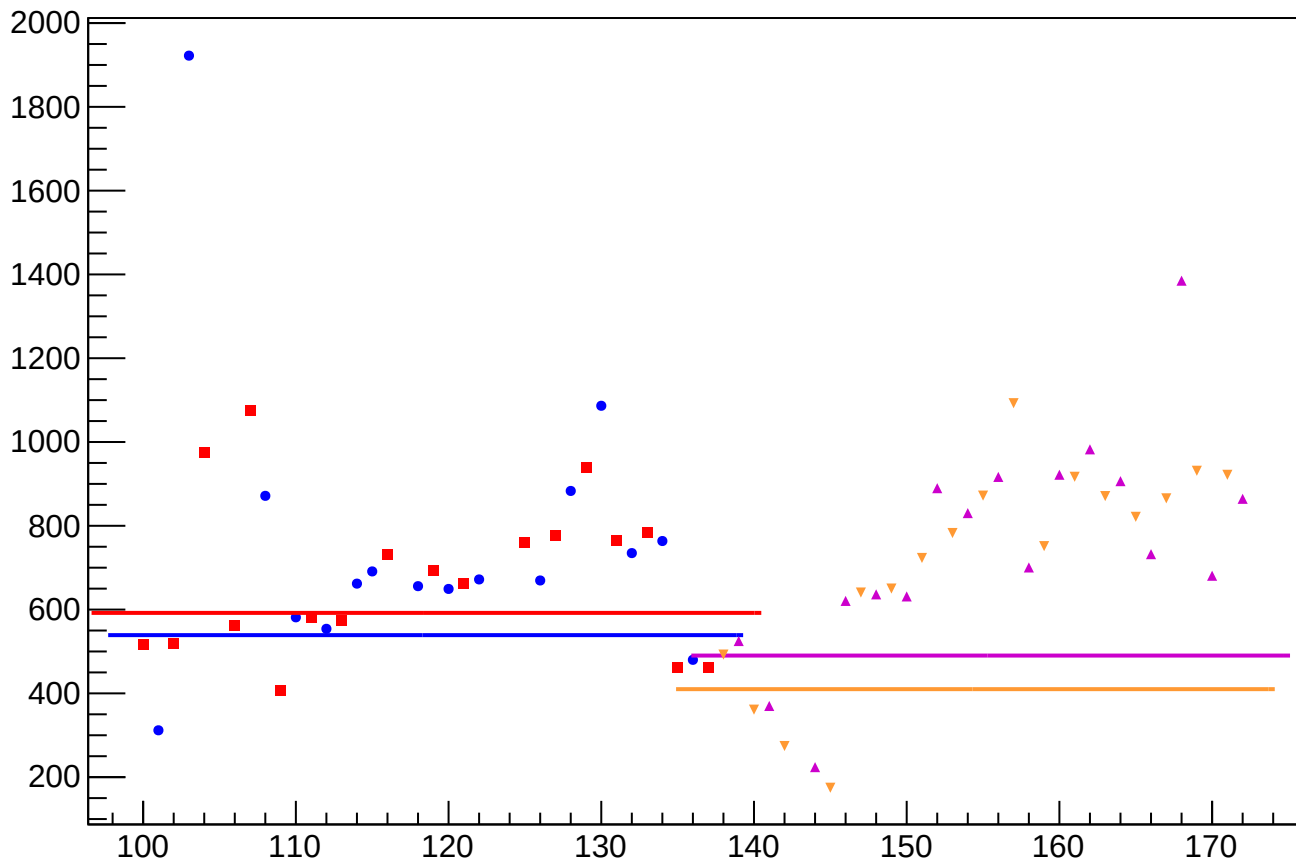
Left In: -156.039 $\pm$ 149.655 χ^2 /NDF:14.9/16

+ sign 77.448 $\pm$ 115.828 χ^2 /NDF: 26.8/32

All: -3.756 $\pm$ 85.497 χ^2 /NDF: 64.6/67

- sign -100.963 $\pm$ 126.728 χ^2 /NDF: 36.8/34

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 539.016 $\pm$ 0.156 χ^2 /NDF: 1854576.5/15

Left Out: 410.055 $\pm$ 0.096 χ^2 /NDF: 8028684.7/16

Right Out: 592.101 $\pm$ 0.168 χ^2 /NDF: 843066.1/17

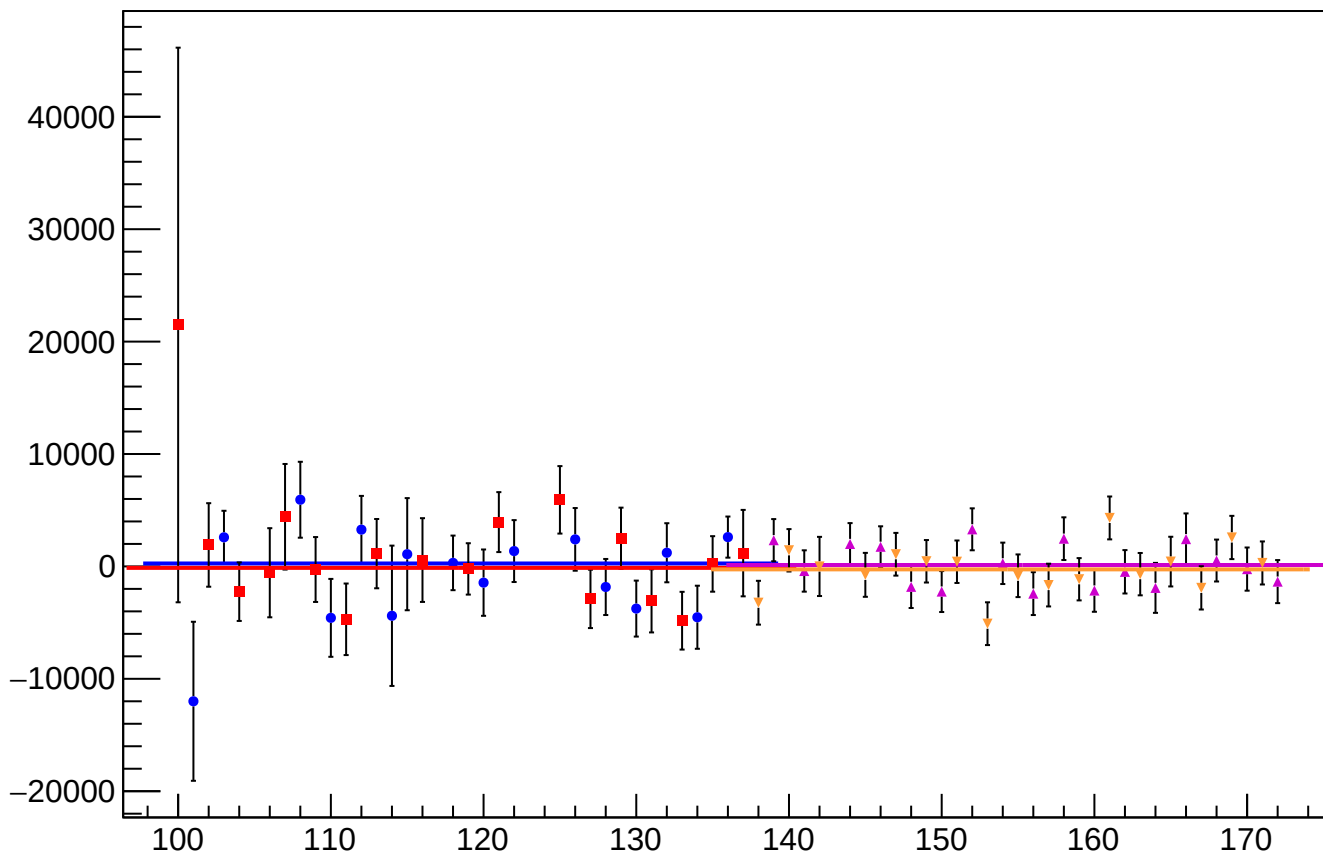
Left In: 490.238 $\pm$ 0.106 χ^2 /NDF: 6249021.2/16

+ sign 445.769 $\pm$ 0.082 χ^2 /NDF: 10379718.9/32

All: 479.127 $\pm$ 0.060 χ^2 /NDF: 18098393.2/67

- sign 519.057 $\pm$ 0.090 χ^2 /NDF: 7354240.5/34

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

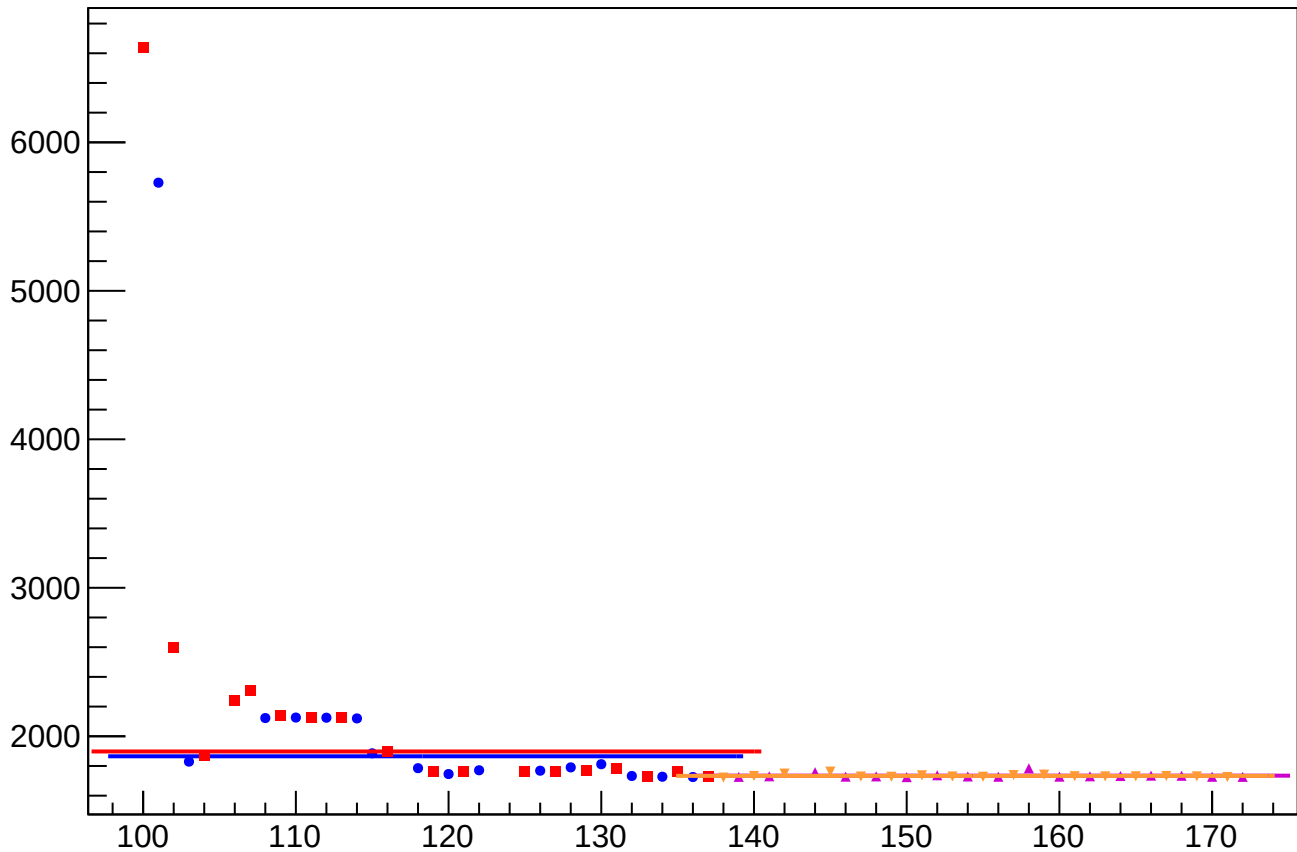
Left In: 124.824 ± 463.077 χ^2/NDF : 16.3/16

+ sign -103.012 ± 393.437 χ^2/NDF : 40.0/32

All: -25.881 ± 276.431 χ^2/NDF : 74.4/67

- sign 49.317 ± 388.474 χ^2/NDF : 34.4/34

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

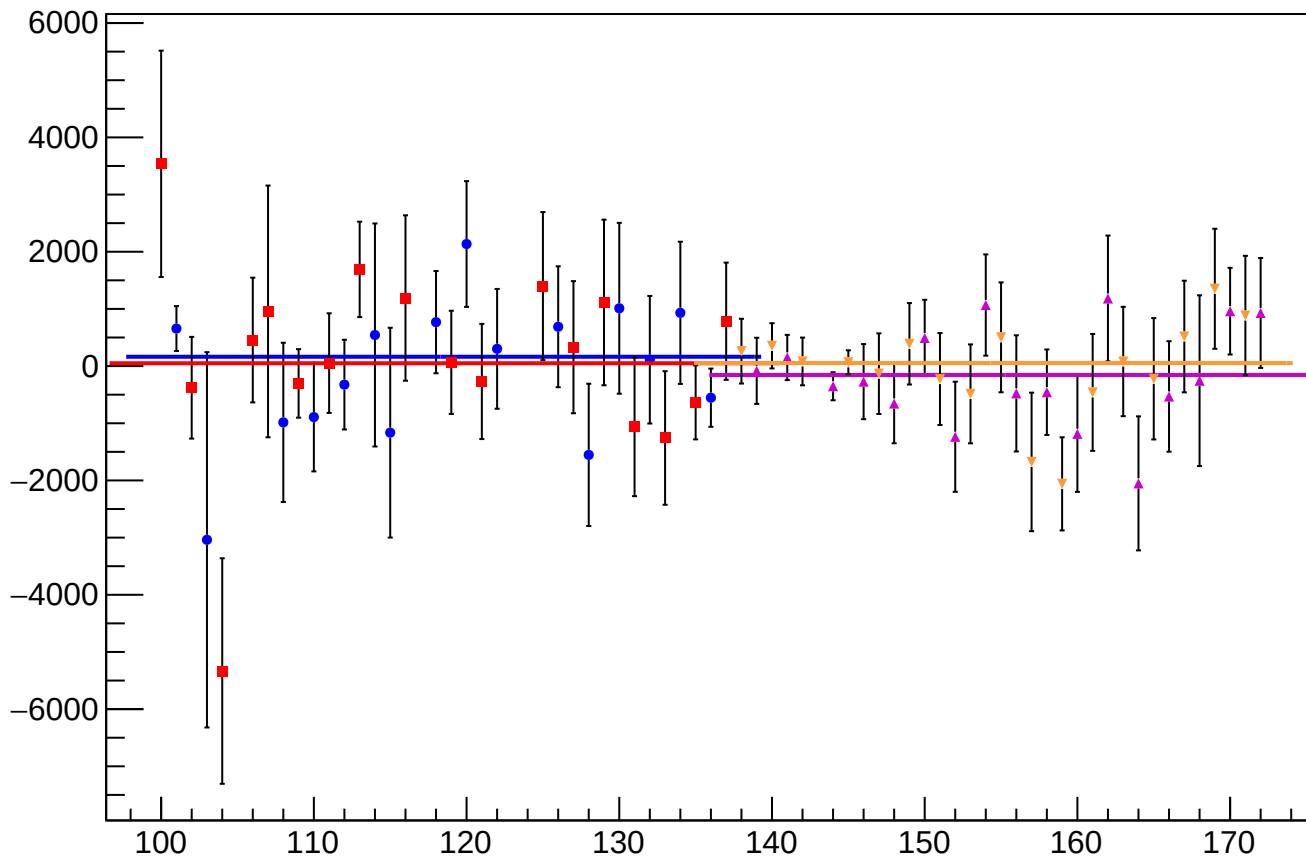
Left In: 1734.811+/-0.327 χ^2/NDF : 1959.8/16

+ sign 1773.825+/-0.278 χ^2/NDF : 721296.3/32

All: 1778.505+/-0.195 χ^2/NDF : 1054861.3/67

- sign 1783.068+/-0.275 χ^2/NDF : 333006.2/34

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 163.149 $\pm$ 220.024 χ^2 /NDF: 13.9/15

Left Out: 53.432 $\pm$ 136.218 χ^2 /NDF:13.2/16

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

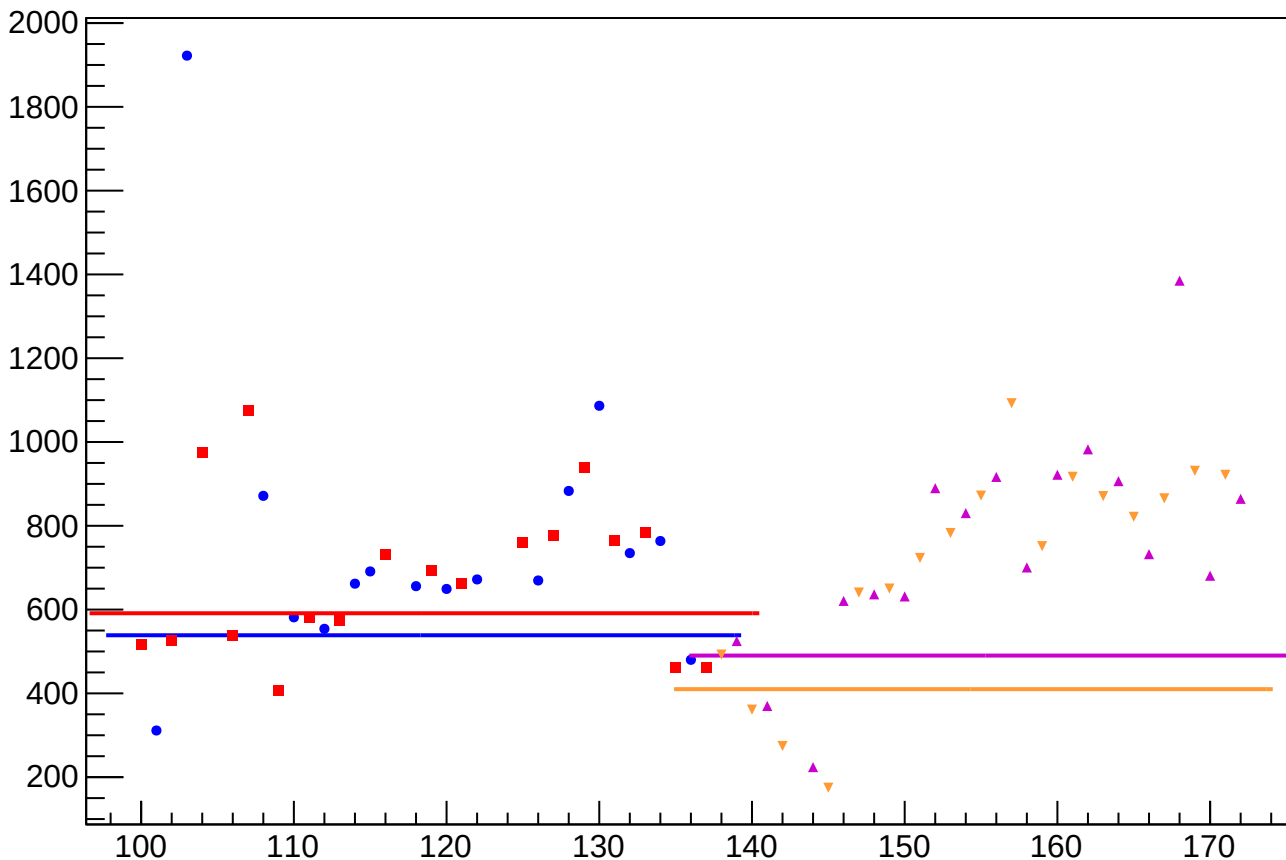
Left In: -156.021 $\pm$ 149.655 χ^2 /NDF:14.9/16

+ sign 83.833 $\pm$ 115.819 χ^2 /NDF: 27.3/32

All: 1.154 $\pm$ 85.491 χ^2 /NDF: 65.3/67

- sign -97.822 $\pm$ 126.720 χ^2 /NDF: 36.9/34

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 538.703 $\pm$ 0.156 χ^2 /NDF: 1858892.9/15

Left Out: 410.064 $\pm$ 0.096 χ^2 /NDF: 8028370.6/16

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

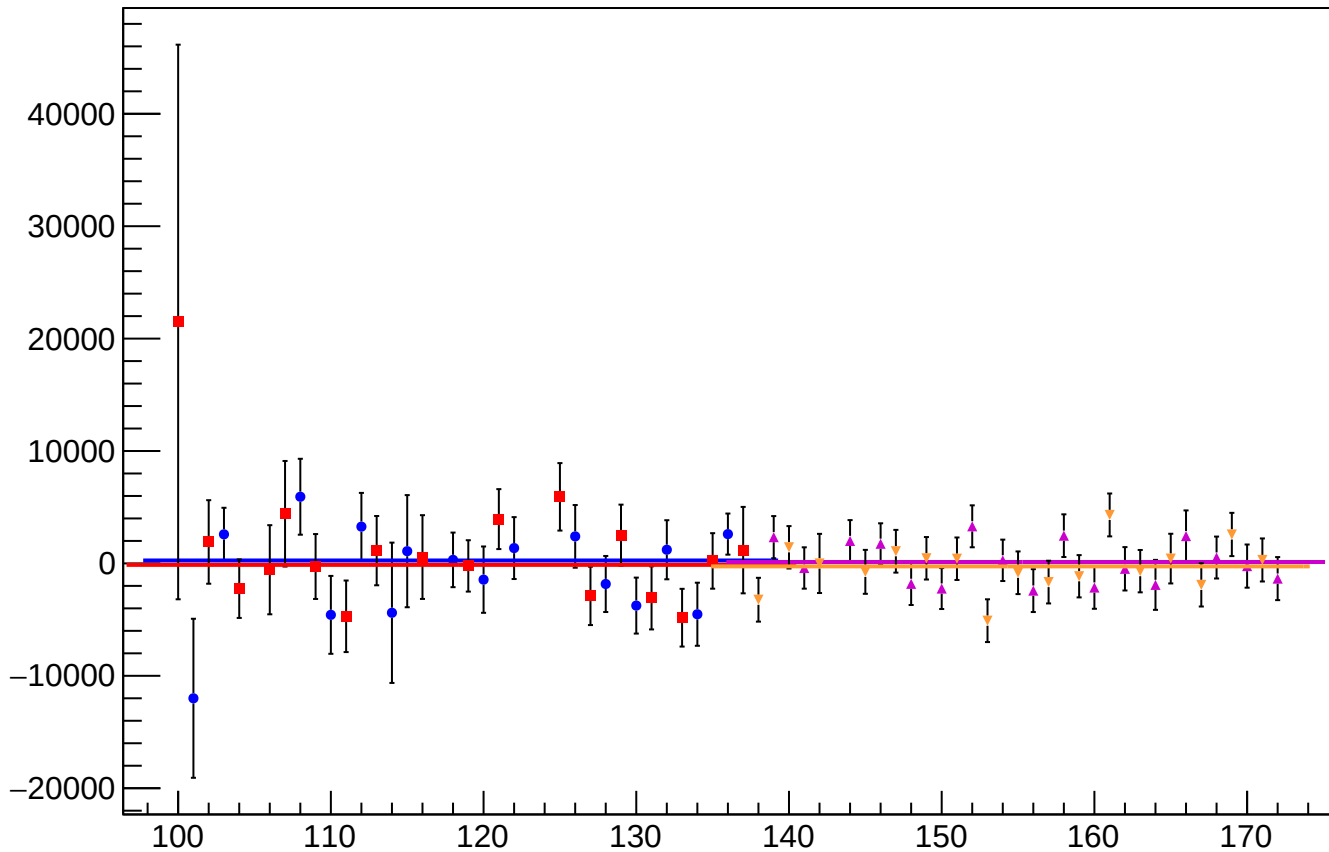
Left In: 490.245 $\pm$ 0.106 χ^2 /NDF: 6248616.9/16

+ sign 445.708 $\pm$ 0.082 χ^2 /NDF: 10381484.9/32

All: 478.989 $\pm$ 0.060 χ^2 /NDF: 18095262.0/67

- sign 518.829 $\pm$ 0.090 χ^2 /NDF: 7350946.1/34

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 259.689 $\pm$ 709.700 χ^2 /NDF: 19.4/15

Left Out: -263.937 $\pm$ 472.728 χ^2 /NDF:20.2/16

Right Out: -130.049 $\pm$ 713.724 χ^2 /NDF: 18.0/17

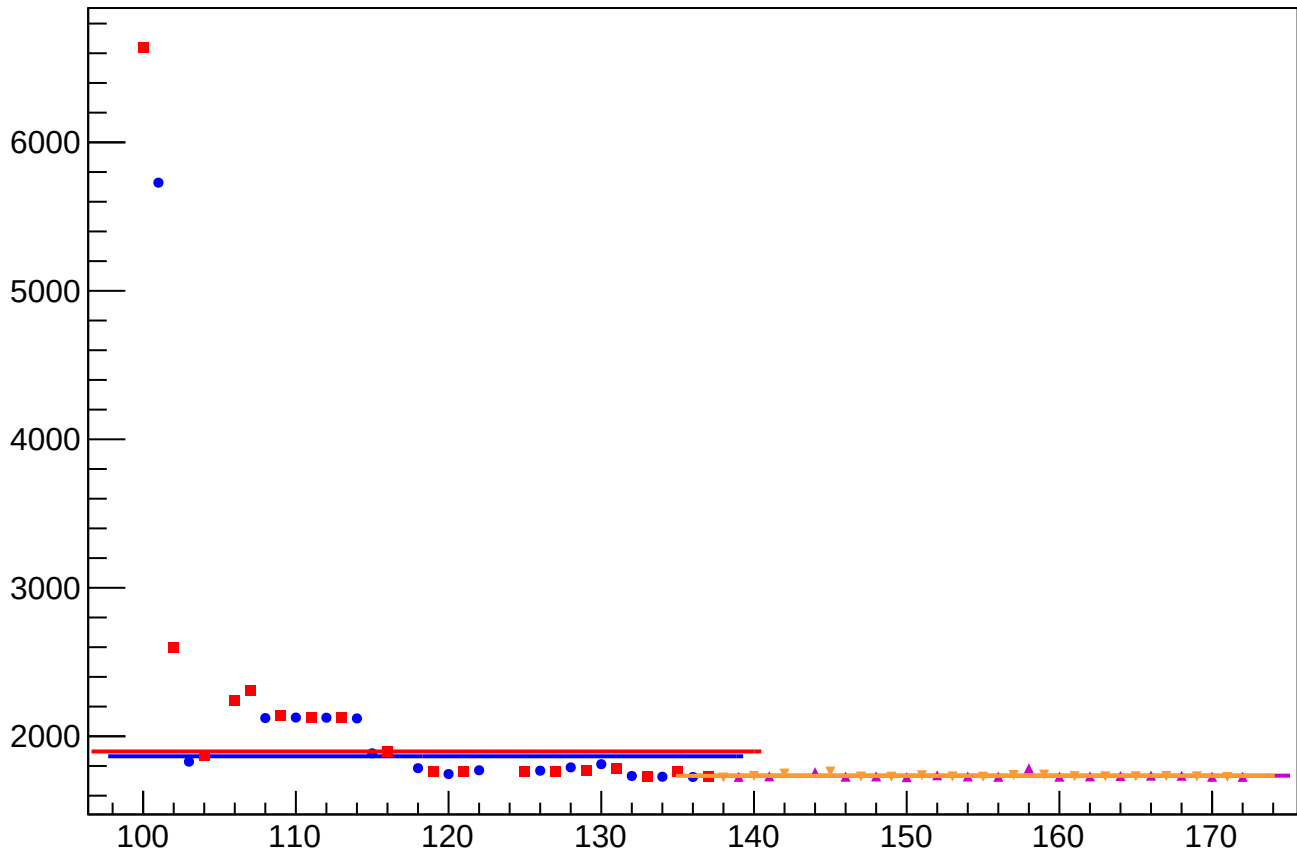
Left In: 124.824 $\pm$ 463.077 χ^2 /NDF:16.3/16

+ sign -103.012 $\pm$ 393.437 χ^2 /NDF: 40.0/32

All: -25.881 $\pm$ 276.431 χ^2 /NDF: 74.4/67

- sign 49.317 $\pm$ 388.474 χ^2 /NDF: 34.4/34

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

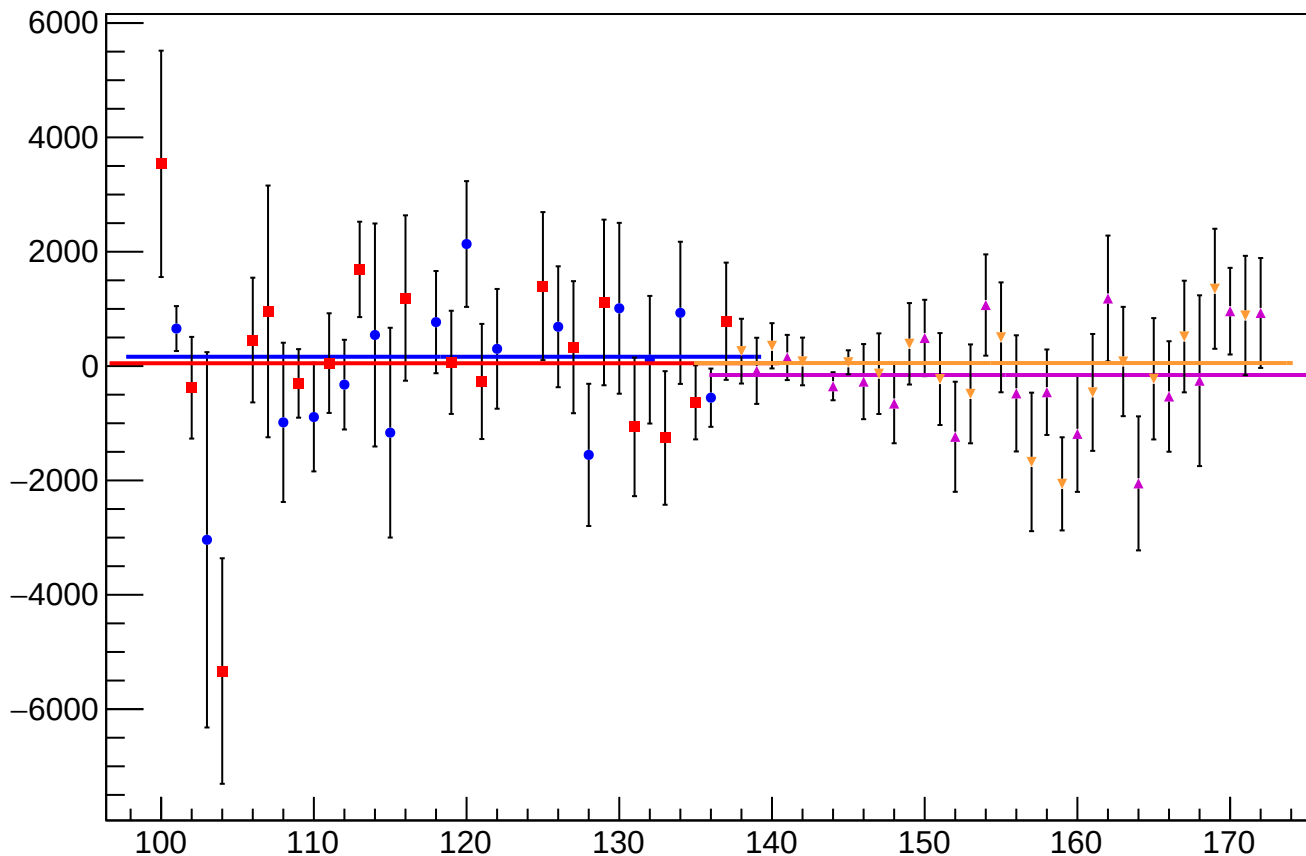
Left In: 1734.811+/-0.327 χ^2/NDF : 1959.8/16

+ sign 1773.825+/-0.278 χ^2/NDF : 721296.3/32

All: 1778.505+/-0.195 χ^2/NDF : 1054861.3/67

- sign 1783.068+/-0.275 χ^2/NDF : 333006.2/34

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 163.149 $\pm$ 220.024 χ^2 /NDF: 13.9/15

Left Out: 53.432 $\pm$ 136.218 χ^2 /NDF:13.2/16

Right Out: 49.618 $\pm$ 238.198 χ^2 /NDF: 21.4/17

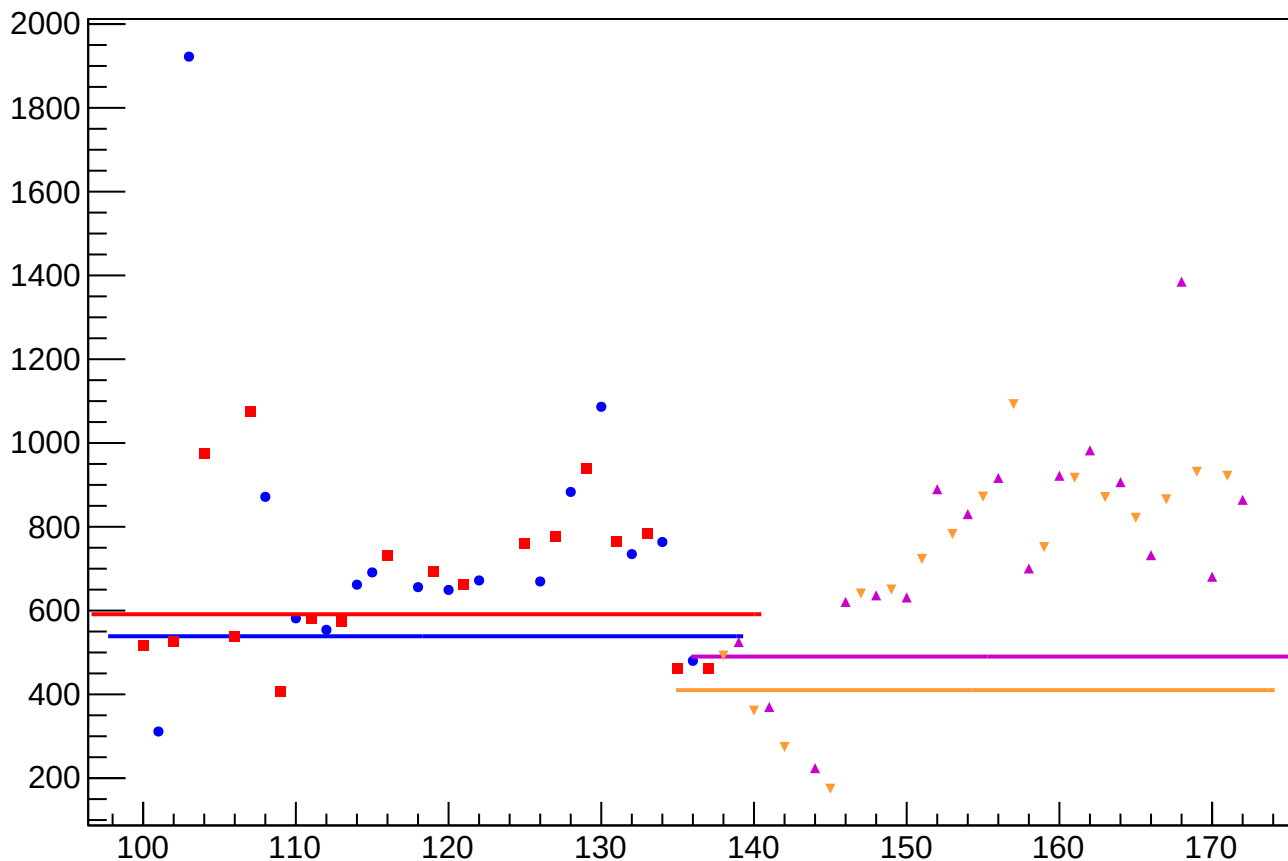
Left In: -156.021 $\pm$ 149.655 χ^2 /NDF:14.9/16

+ sign 83.833 $\pm$ 115.819 χ^2 /NDF: 27.3/32

All: 1.154 $\pm$ 85.491 χ^2 /NDF: 65.3/67

- sign -97.822 $\pm$ 126.720 χ^2 /NDF: 36.9/34

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 538.703 $\pm$ 0.156 χ^2 /NDF: 1858892.9/15

Left Out: 410.064 $\pm$ 0.096 χ^2 /NDF: 8028370.6/16

Right Out: 591.241 $\pm$ 0.168 χ^2 /NDF: 844536.8/17

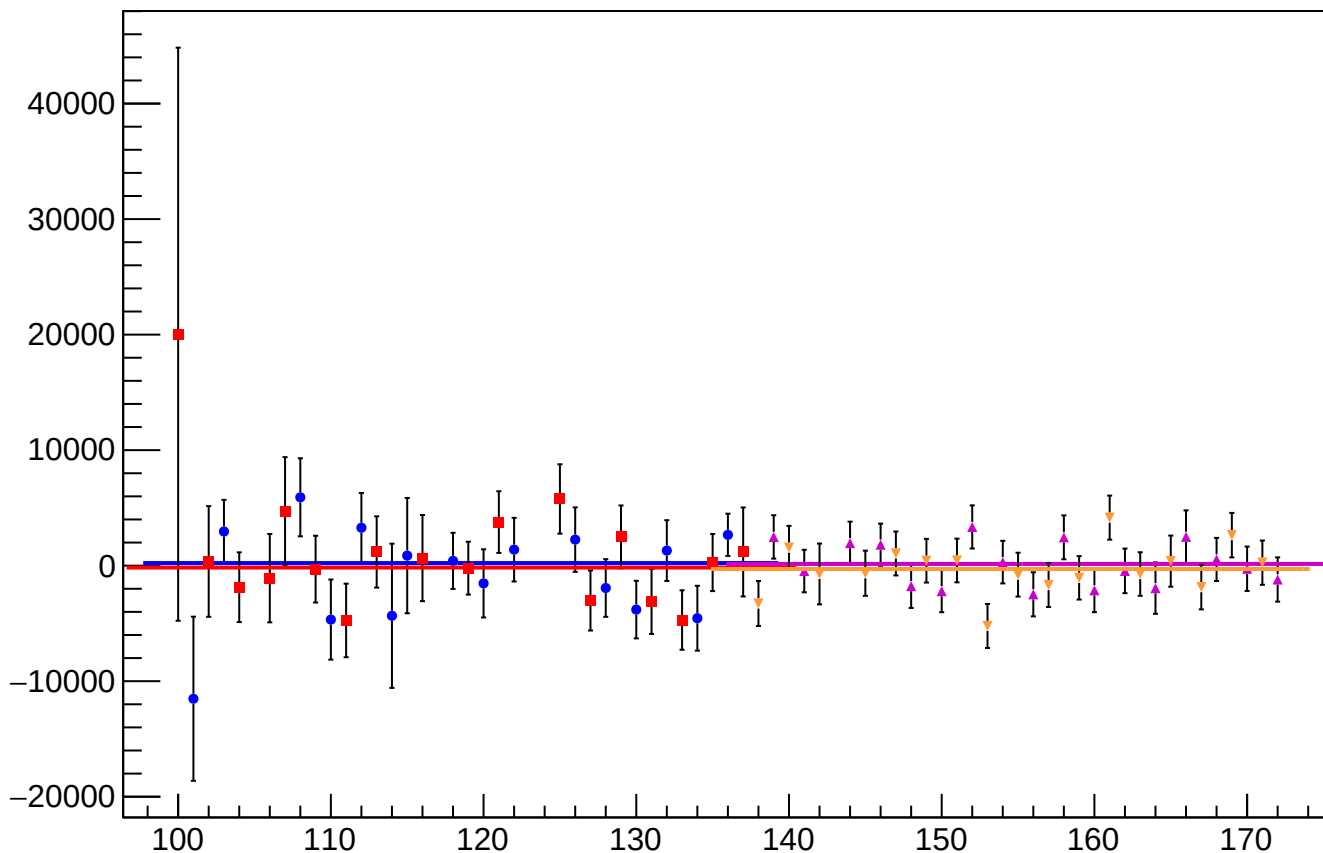
Left In: 490.245 $\pm$ 0.106 χ^2 /NDF: 6248616.9/16

+ sign 445.708 $\pm$ 0.082 χ^2 /NDF: 10381484.9/32

All: 478.989 $\pm$ 0.060 χ^2 /NDF: 18095262.0/67

- sign 518.829 $\pm$ 0.090 χ^2 /NDF: 7350946.1/34

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



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

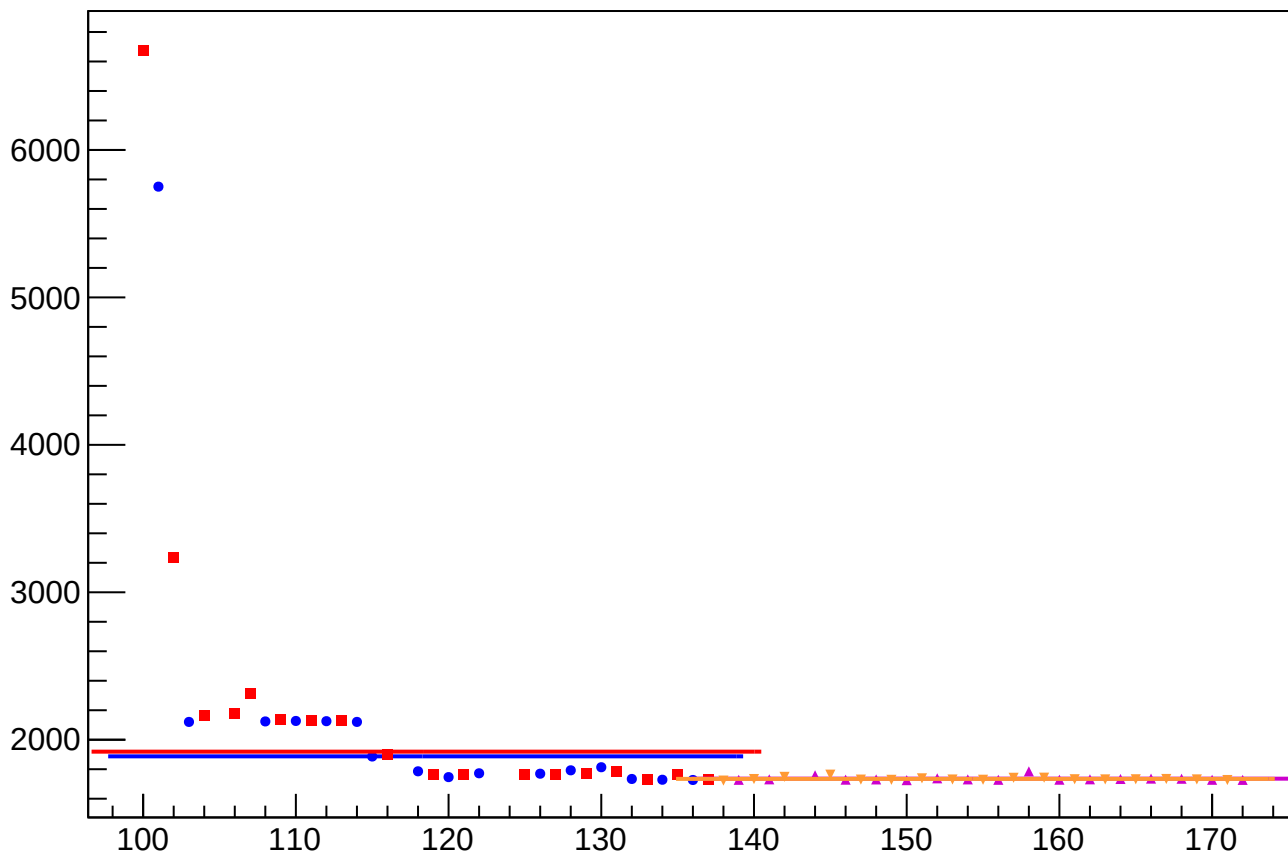
Left In: 149.844 ± 463.374 χ^2/NDF : 16.6/16

+ sign -130.609 ± 395.112 χ^2/NDF : 40.0/32

All: -34.683 ± 277.765 χ^2/NDF : 73.9/67

- sign 59.048 ± 390.564 χ^2/NDF : 33.7/34

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

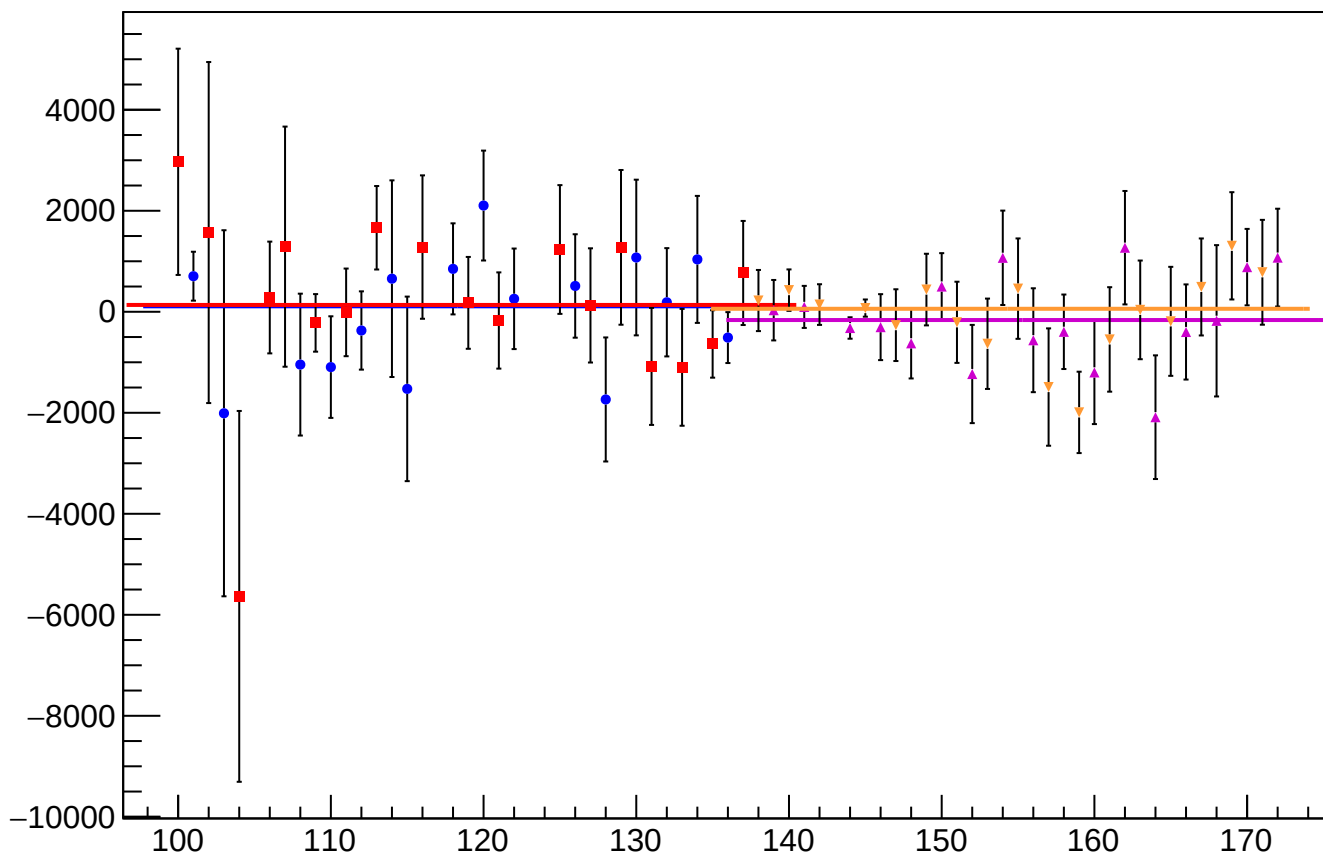
Left In: 1735.921+/-0.328 χ^2/NDF : 1961.3/16

+ sign 1780.676+/-0.279 χ^2/NDF : 753323.3/32

All: 1784.878+/-0.196 χ^2/NDF : 1198867.2/67

- sign 1788.983+/-0.276 χ^2/NDF : 445096.8/34

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 108.131 $\pm$ 231.711 χ^2 /NDF: 14.2/15

Left Out: 59.371 $\pm$ 123.927 χ^2 /NDF:13.0/16

Right Out: 135.358 $\pm$ 245.933 χ^2 /NDF: 14.4/17

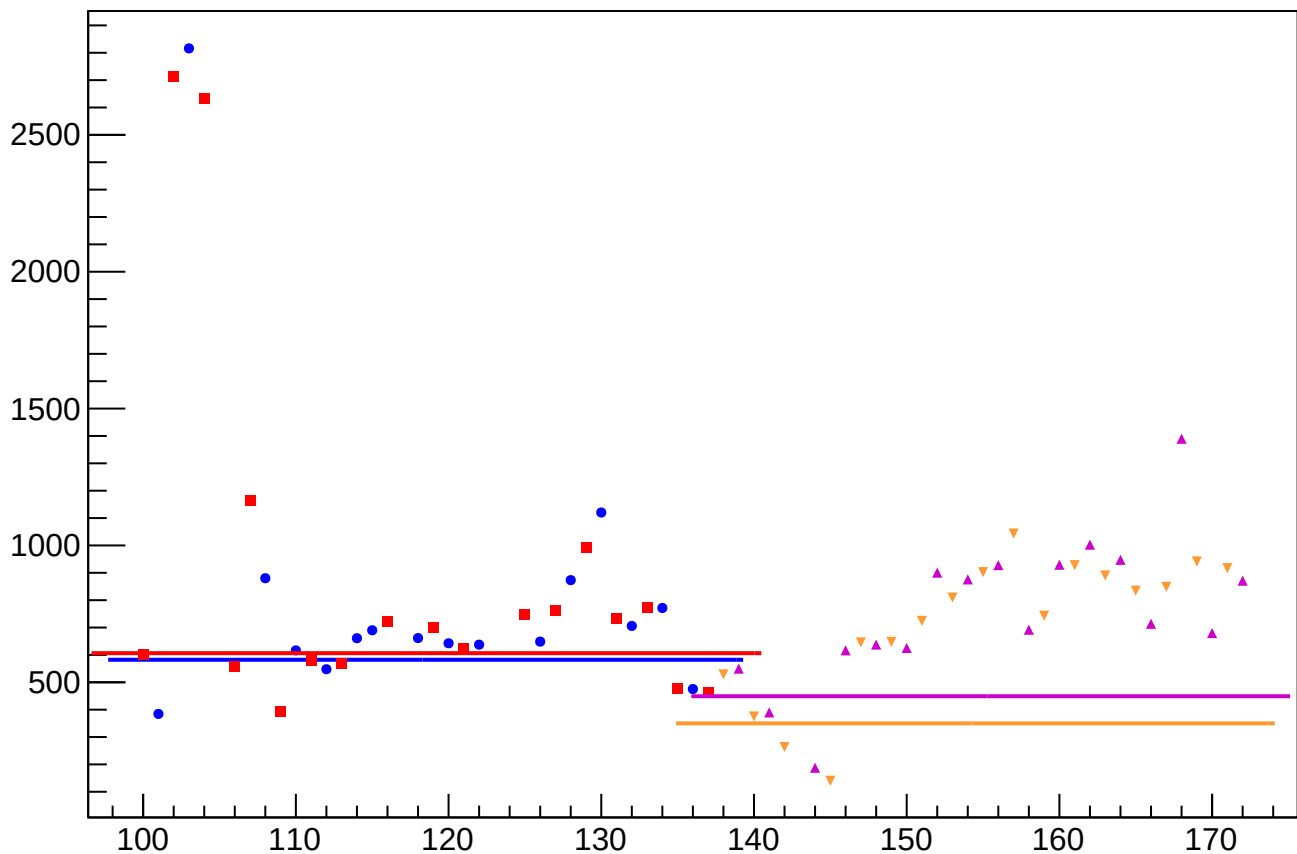
Left In: -163.522 $\pm$ 142.517 χ^2 /NDF:14.5/16

+ sign 70.217 $\pm$ 109.279 χ^2 /NDF: 27.2/32

All: 0.447 $\pm$ 81.784 χ^2 /NDF: 58.1/67

- sign -88.386 $\pm$ 123.309 χ^2 /NDF: 29.9/34

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 582.270 $\pm$ 0.164 χ^2 /NDF: 1754301.3/15

Left Out: 349.942 $\pm$ 0.088 χ^2 /NDF:10170811.9/16

Right Out: 606.451 $\pm$ 0.174 χ^2 /NDF: 2198399.5/17

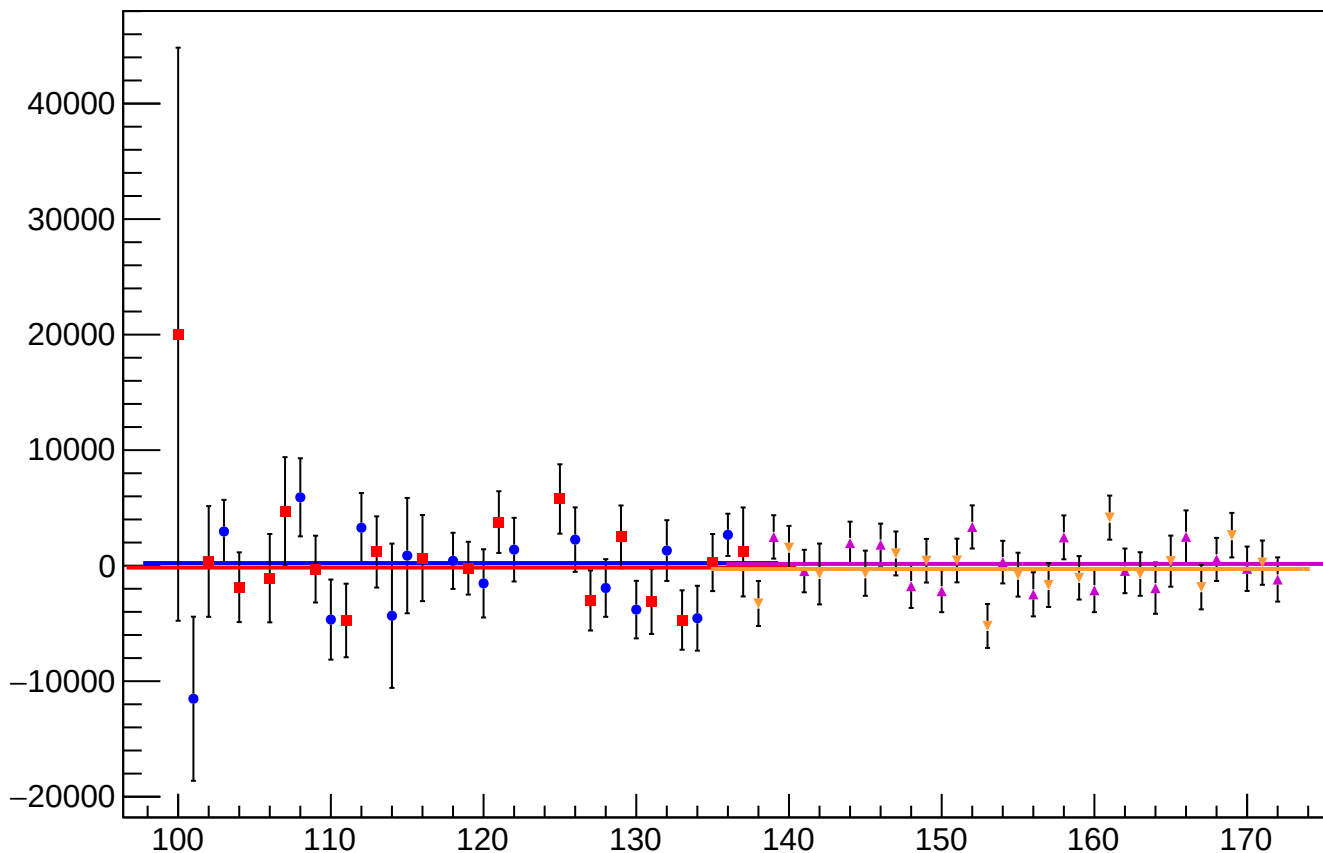
Left In: 449.028 $\pm$ 0.101 χ^2 /NDF:7819125.6/16

+ sign 401.617 $\pm$ 0.077 χ^2 /NDF: 13488562.6/32

All: 439.882 $\pm$ 0.058 χ^2 /NDF: 24676989.9/67

- sign 488.603 $\pm$ 0.087 χ^2 /NDF: 10630984.3/34

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



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

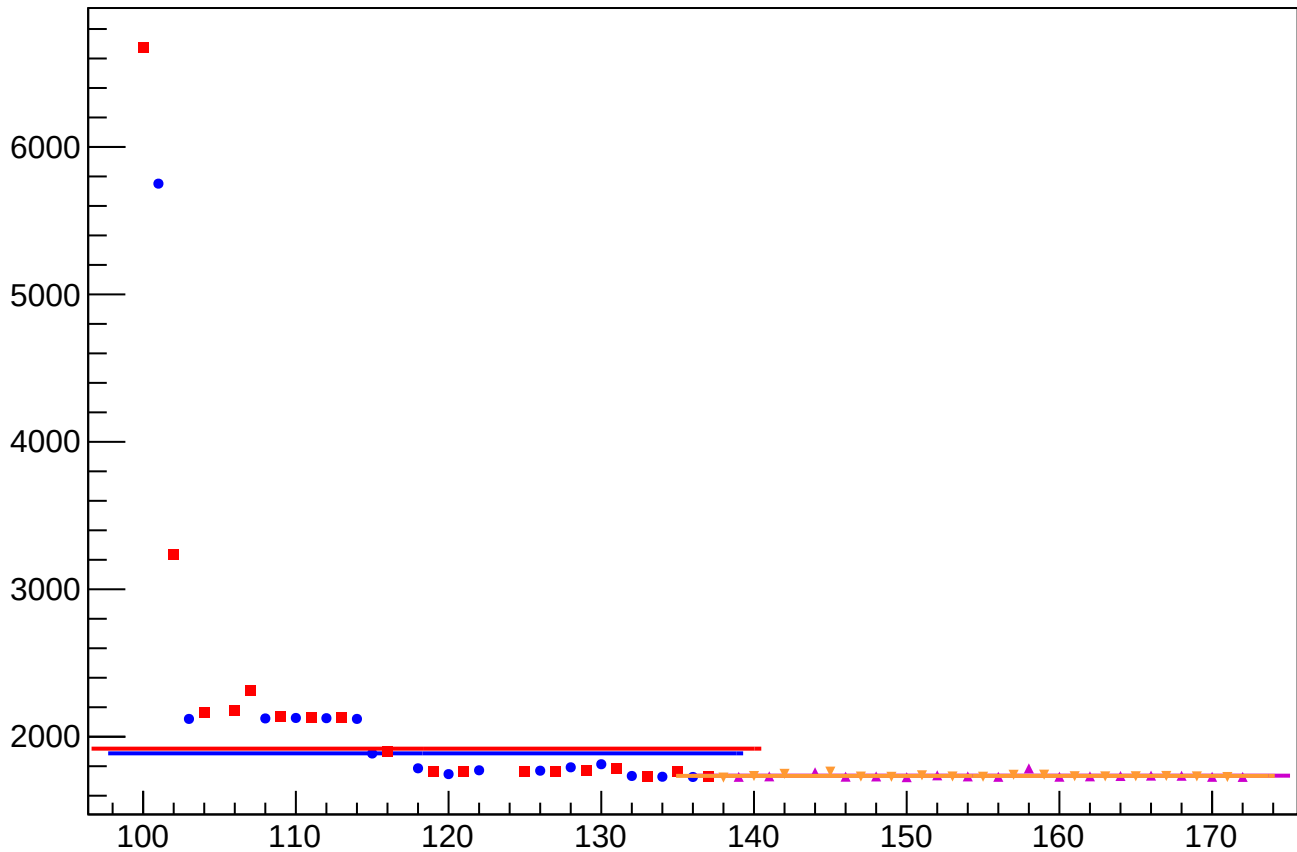
Left In: 149.843 ± 463.374 χ^2/NDF : 16.6/16

+ sign -130.611 ± 395.112 χ^2/NDF : 40.0/32

All: -34.684 ± 277.765 χ^2/NDF : 73.9/67

- sign 59.047 ± 390.564 χ^2/NDF : 33.7/34

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

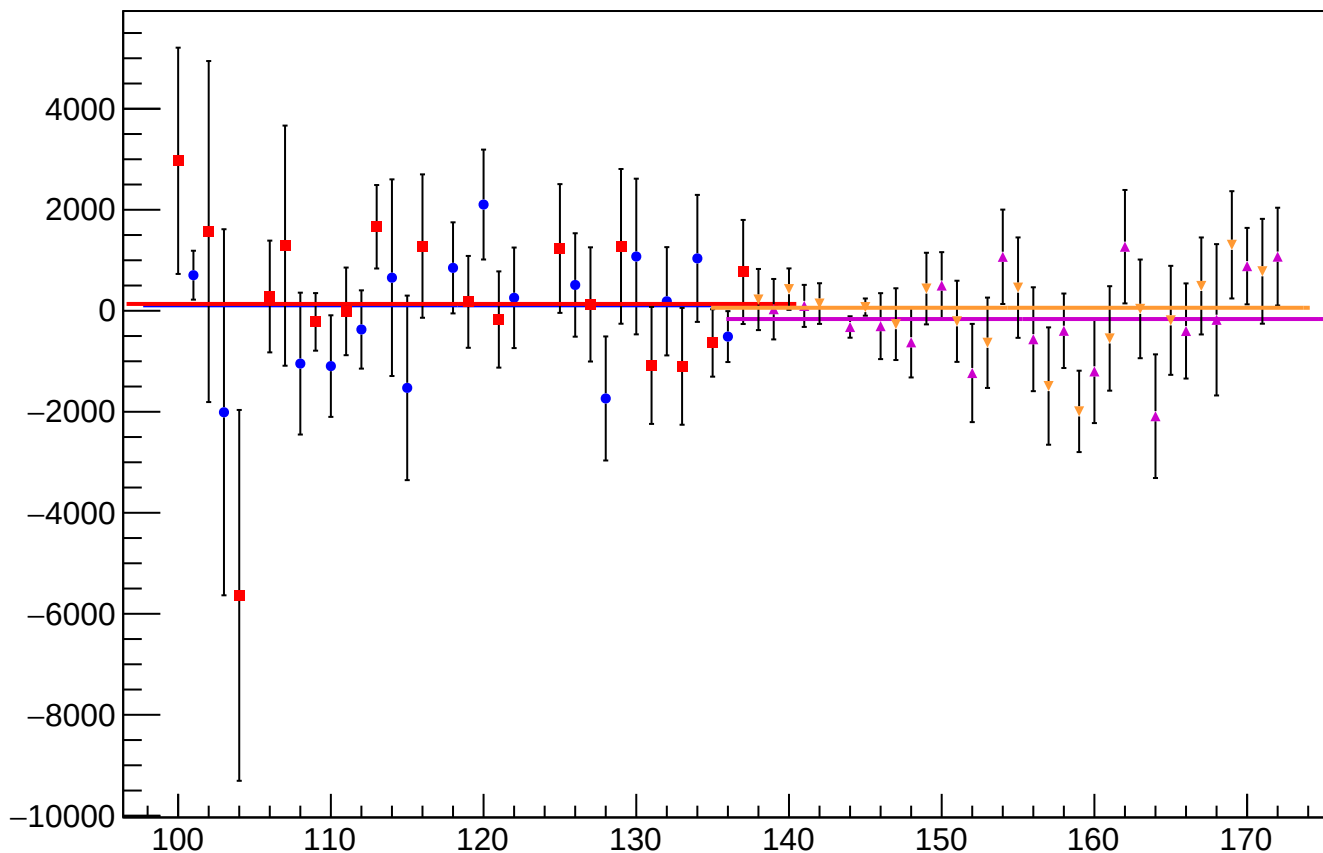
Left In: 1735.921+/-0.328 χ^2/NDF : 1961.3/16

+ sign 1780.676+/-0.279 χ^2/NDF : 753323.0/32

All: 1784.878+/-0.196 χ^2/NDF : 1198866.0/67

- sign 1788.983+/-0.276 χ^2/NDF : 445095.9/34

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 108.128 $\pm$ 231.710 χ^2 /NDF: 14.2/15

Left Out: 59.370 $\pm$ 123.927 χ^2 /NDF:13.0/16

Right Out: 135.356 $\pm$ 245.932 χ^2 /NDF: 14.4/17

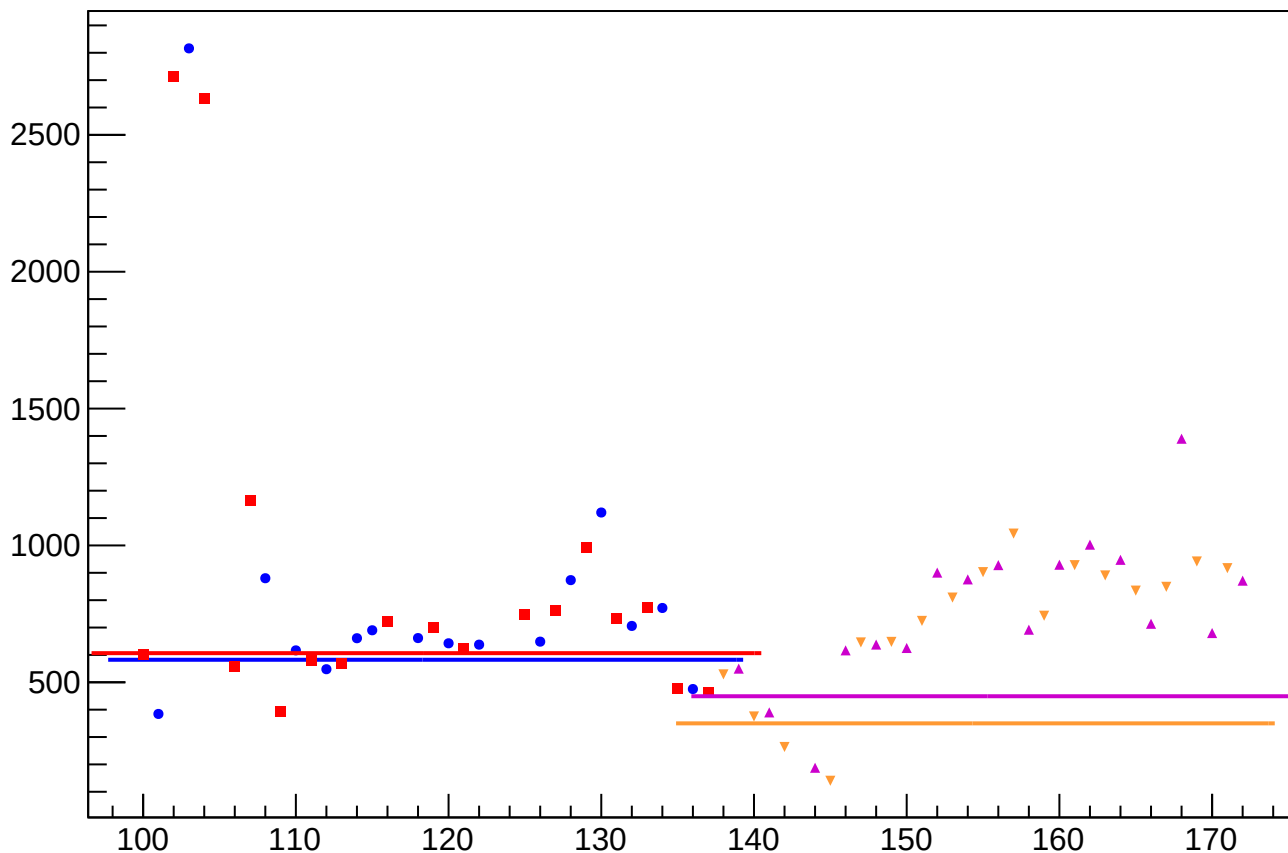
Left In: -163.523 $\pm$ 142.517 χ^2 /NDF:14.5/16

+ sign 70.215 $\pm$ 109.279 χ^2 /NDF: 27.2/32

All: 0.446 $\pm$ 81.784 χ^2 /NDF: 58.1/67

- sign -88.386 $\pm$ 123.309 χ^2 /NDF: 29.9/34

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 582.268 $\pm$ 0.164 χ^2 /NDF: 1754289.3/15

Left Out: 349.942 $\pm$ 0.088 χ^2 /NDF:10170845.7/16

Right Out: 606.447 $\pm$ 0.174 χ^2 /NDF: 2198414.3/17

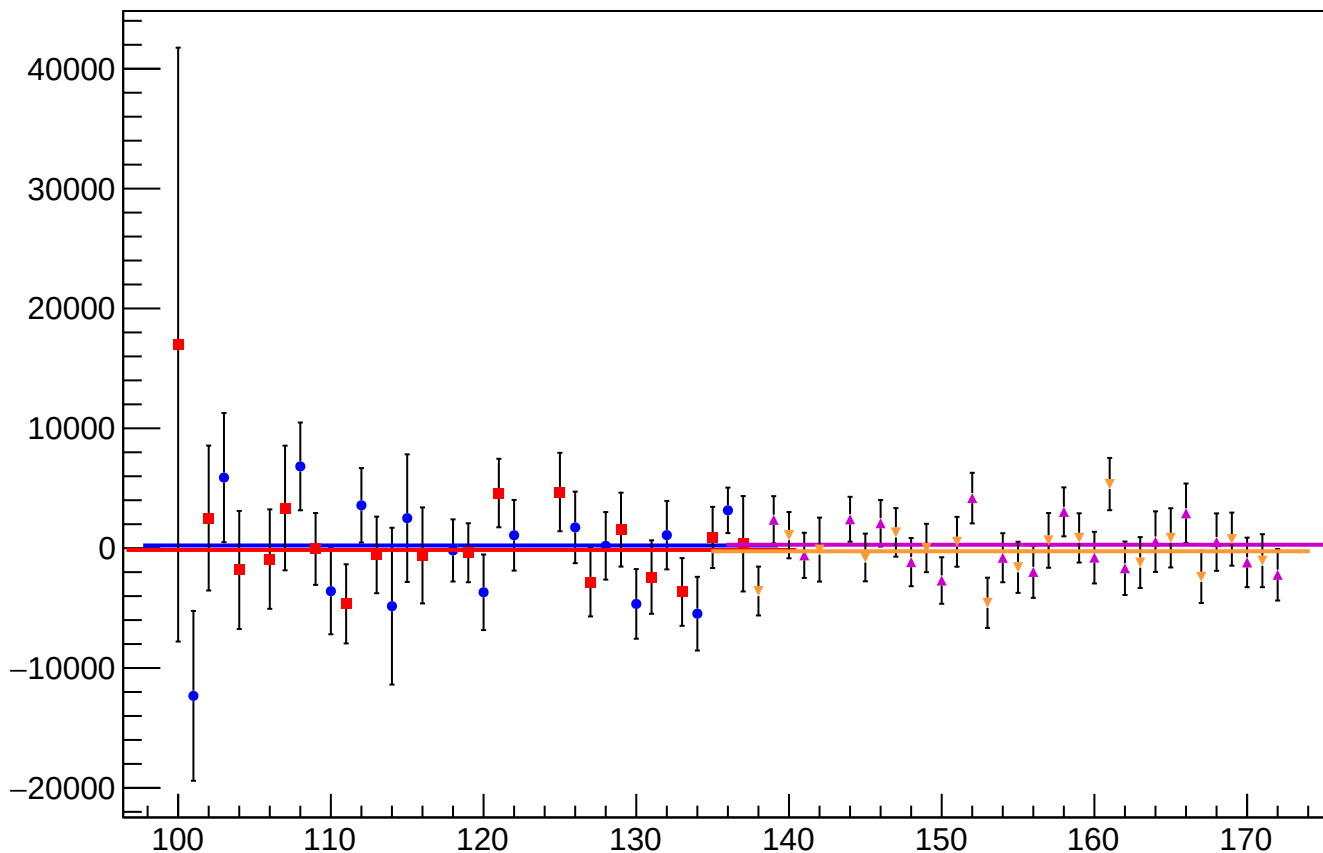
Left In: 449.028 $\pm$ 0.101 χ^2 /NDF:7819146.4/16

+ sign 401.617 $\pm$ 0.077 χ^2 /NDF: 13488568.8/32

All: 439.882 $\pm$ 0.058 χ^2 /NDF: 24677002.8/67

- sign 488.603 $\pm$ 0.087 χ^2 /NDF: 10630991.0/34

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

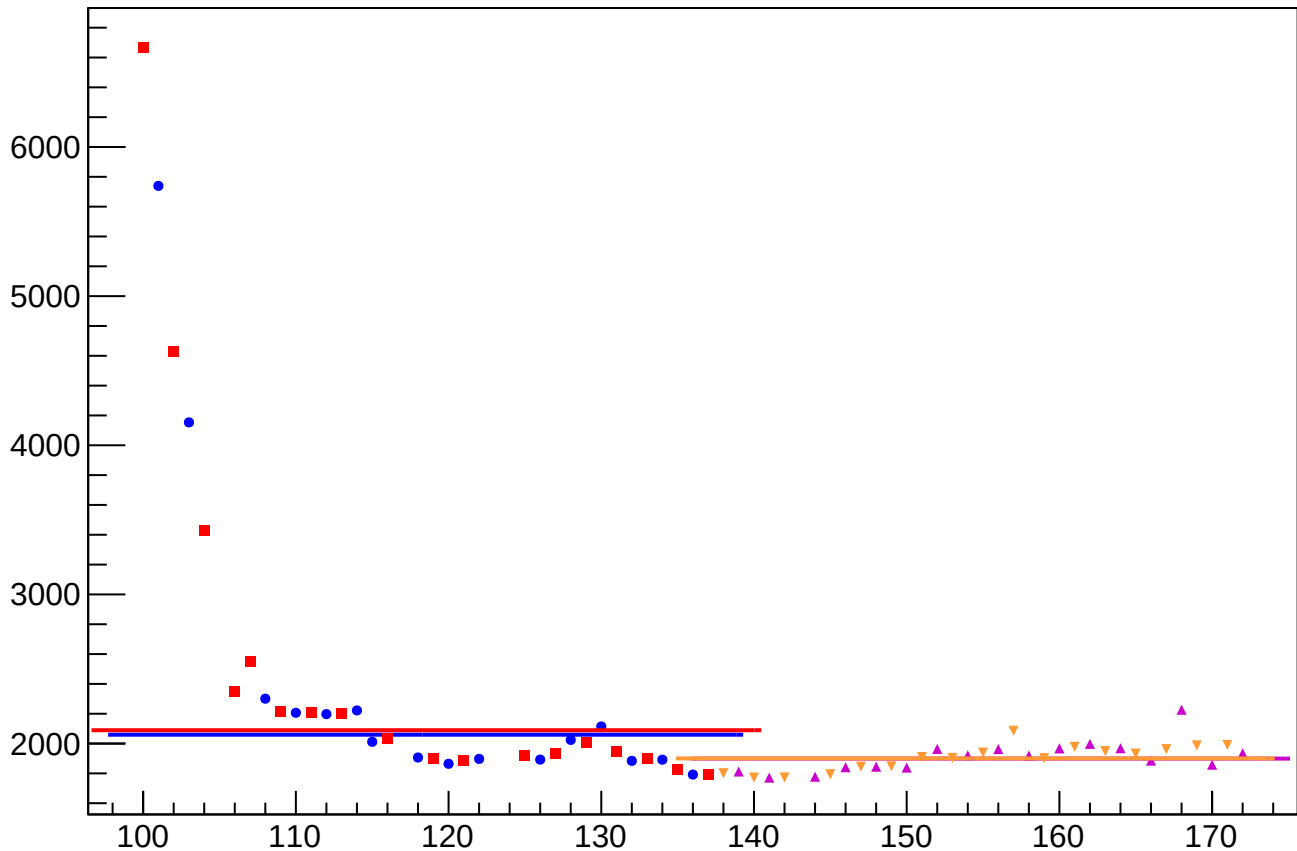
Left In: 285.430+/-507.679 χ^2/NDF : 17.0/16

+ sign -113.484+/-434.018 χ^2/NDF : 38.8/32

All: 25.096+/-304.657 χ^2/NDF : 67.7/67

- sign 159.702+/-427.749 χ^2/NDF : 28.8/34

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2059.496 $\pm$ 0.560 χ^2 /NDF: 939873.6/15

Left Out: 1900.262 $\pm$ 0.367 χ^2 /NDF: 52766.0/16

Right Out: 2089.476 $\pm$ 0.562 χ^2 /NDF: 681465.8/17

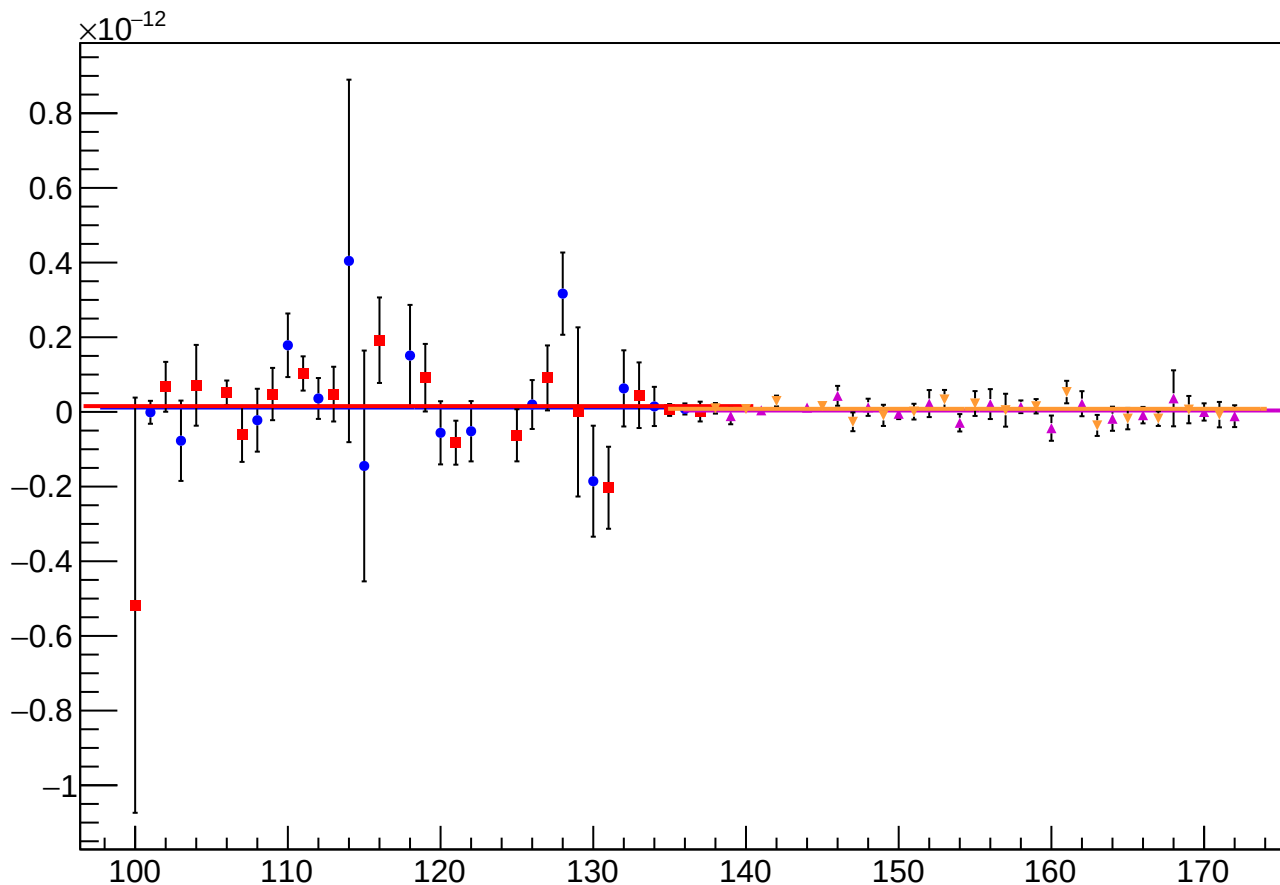
Left In: 1899.109 $\pm$ 0.359 χ^2 /NDF: 76921.7/16

+ sign 1948.120 $\pm$ 0.307 χ^2 /NDF: 1049232.2/32

All: 1951.272 $\pm$ 0.215 χ^2 /NDF: 1889406.5/67

- sign 1954.334 $\pm$ 0.302 χ^2 /NDF: 839966.4/34

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.7/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

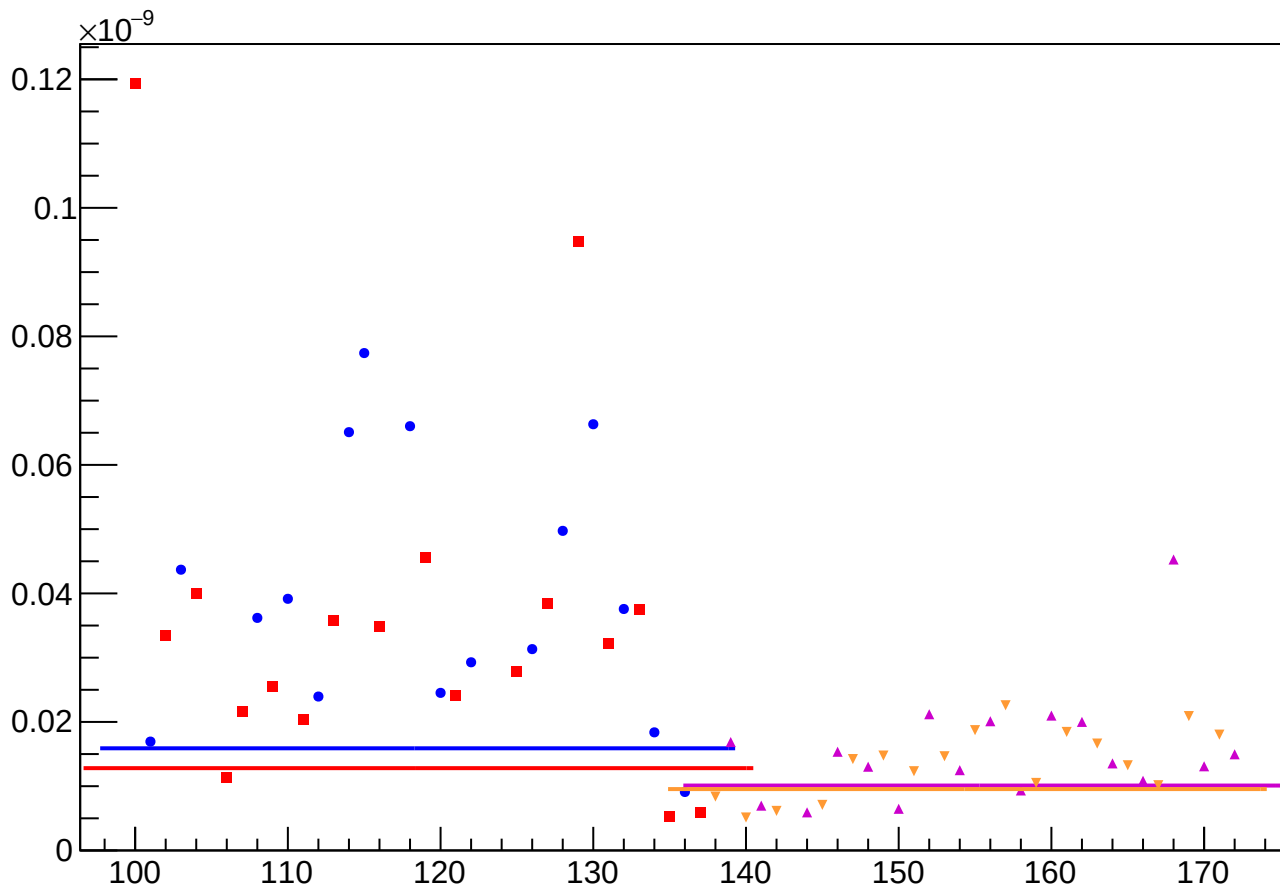
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63.9/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.9/34

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



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

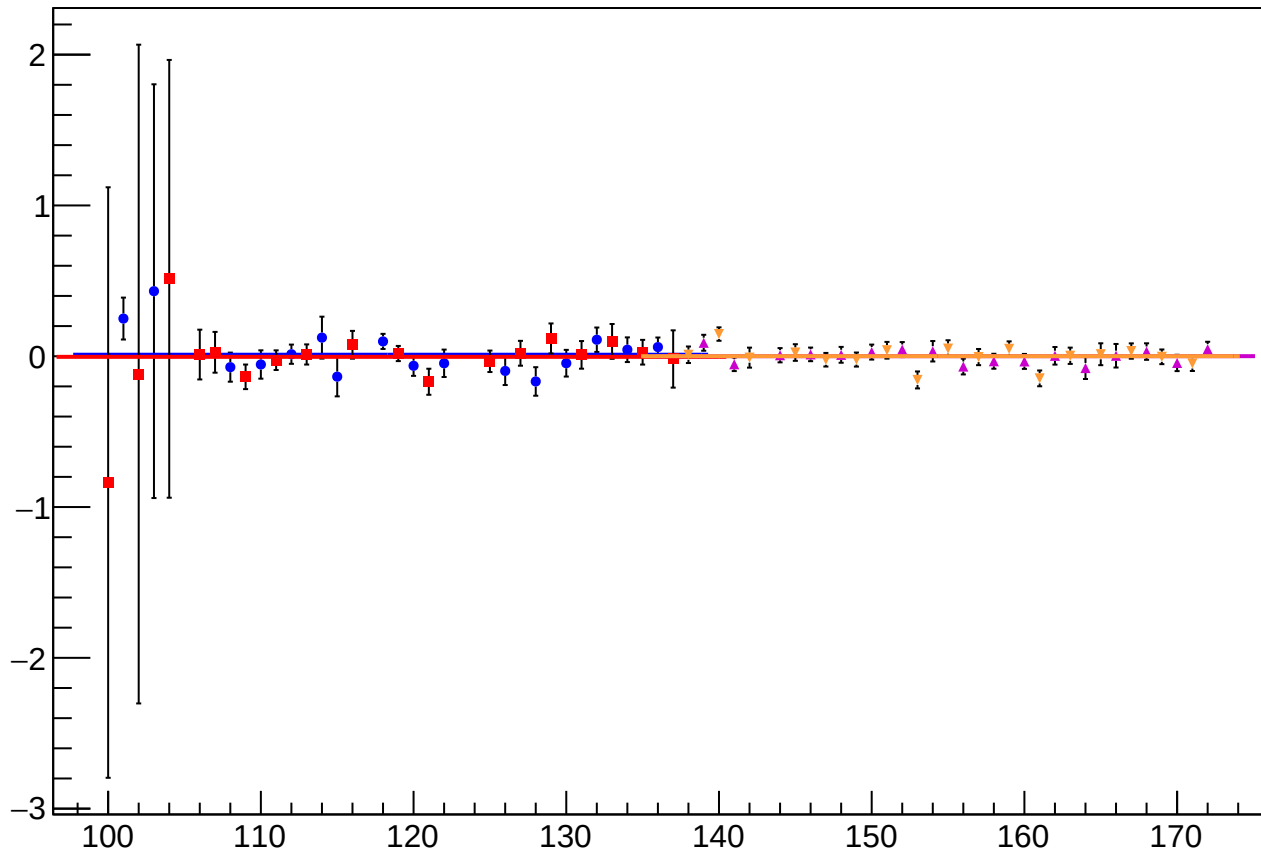
Left In: 0.000+/-0.000 χ^2/NDF : 2220995.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4313957.1/32

All: 0.000+/-0.000 χ^2/NDF : 9128364.8/67

- sign 0.000+/-0.000 χ^2/NDF : 4813636.4/34

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.000 $\pm$ 0.013 χ^2 /NDF:31.0/16

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

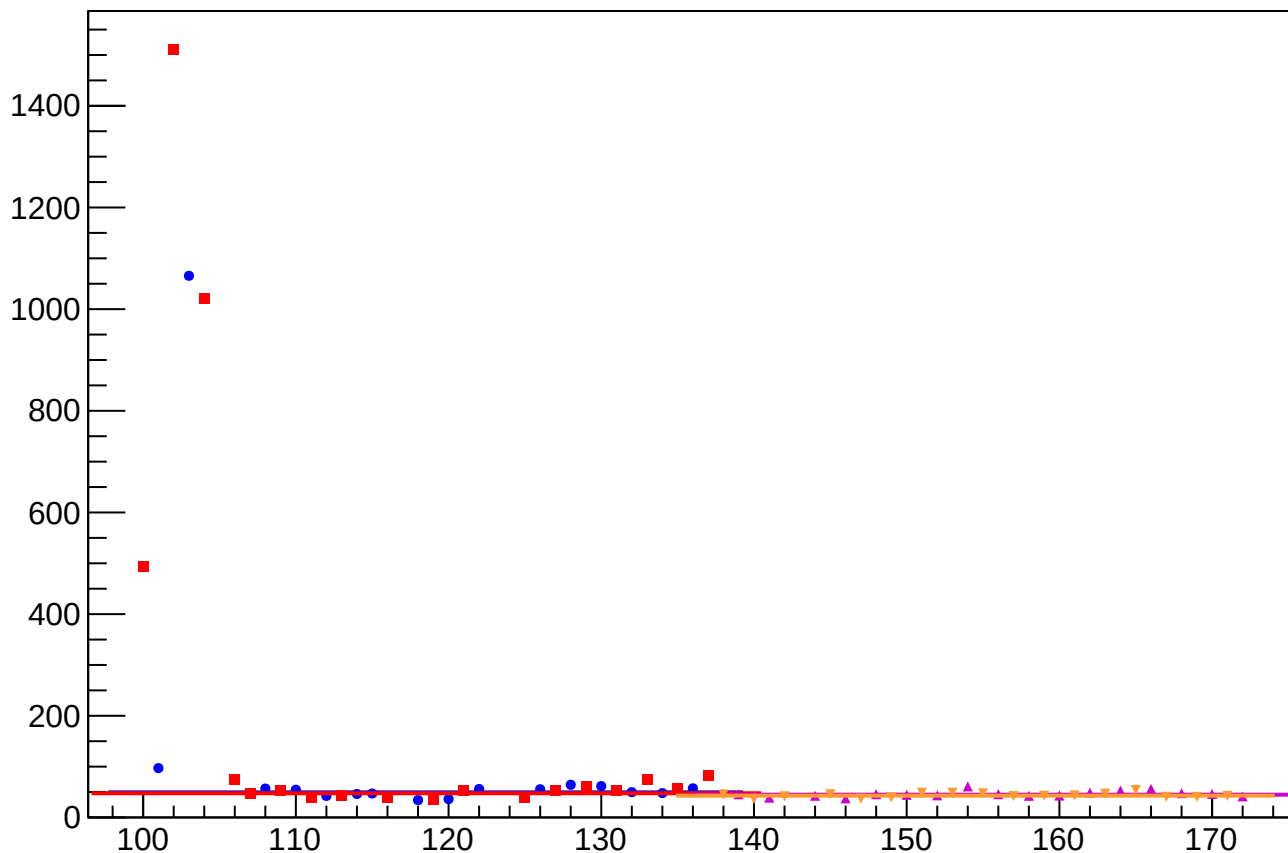
Left In: 0.001 $\pm$ 0.013 χ^2 /NDF:11.4/16

+ sign 0.003 $\pm$ 0.011 χ^2 /NDF: 49.6/32

All: 0.001 $\pm$ 0.008 χ^2 /NDF: 71.6/67

- sign -0.001 $\pm$ 0.011 χ^2 /NDF: 21.9/34

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



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

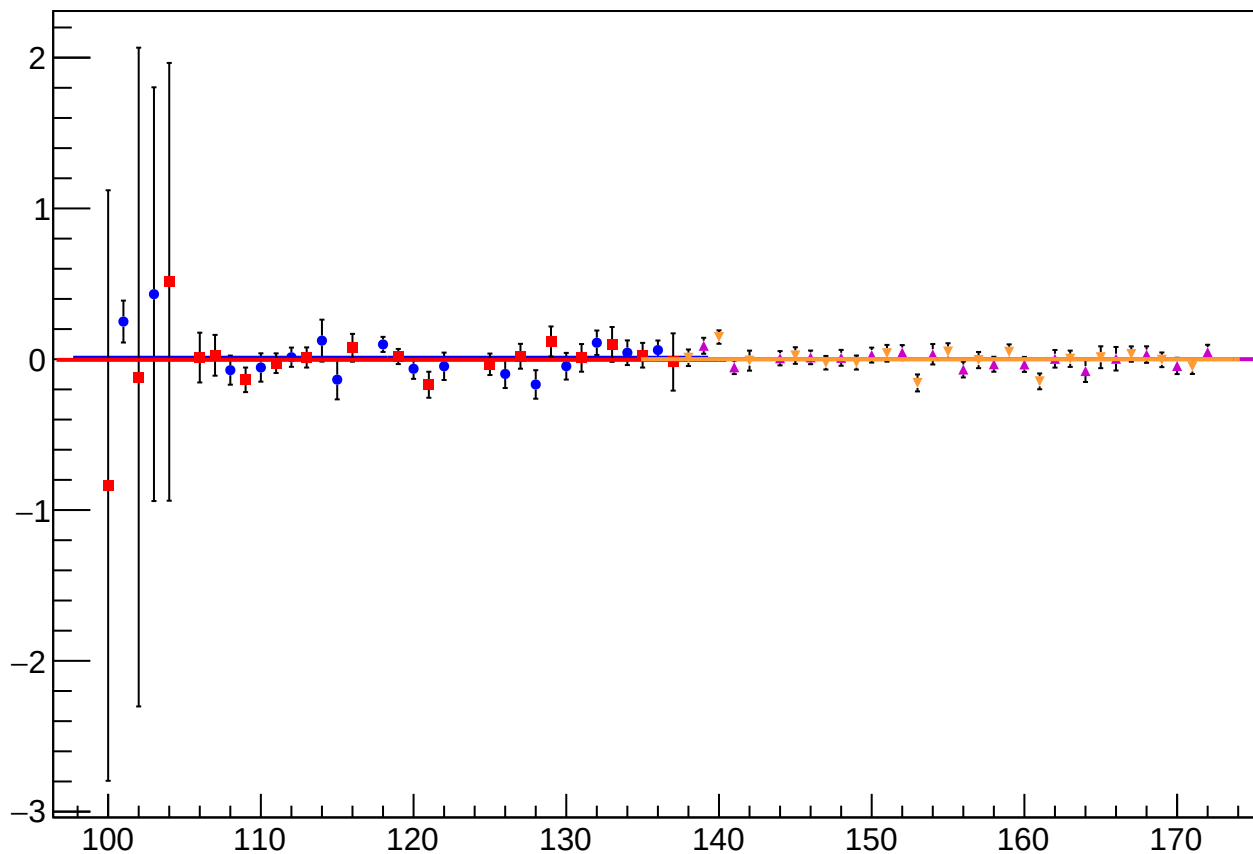
Left In: 44.811+/-0.009 χ^2/NDF : 305131.2/16

+ sign 44.627+/-0.008 χ^2/NDF : 2133074.7/32

All: 45.080+/-0.005 χ^2/NDF : 4888258.8/67

- sign 45.543+/-0.008 χ^2/NDF : 2748171.2/34

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 ± 0.021 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 0.000 ± 0.013 $\chi^2/\text{NDF}: 31.0/16$

Right Out: -0.004 ± 0.021 $\chi^2/\text{NDF}: 10.5/17$

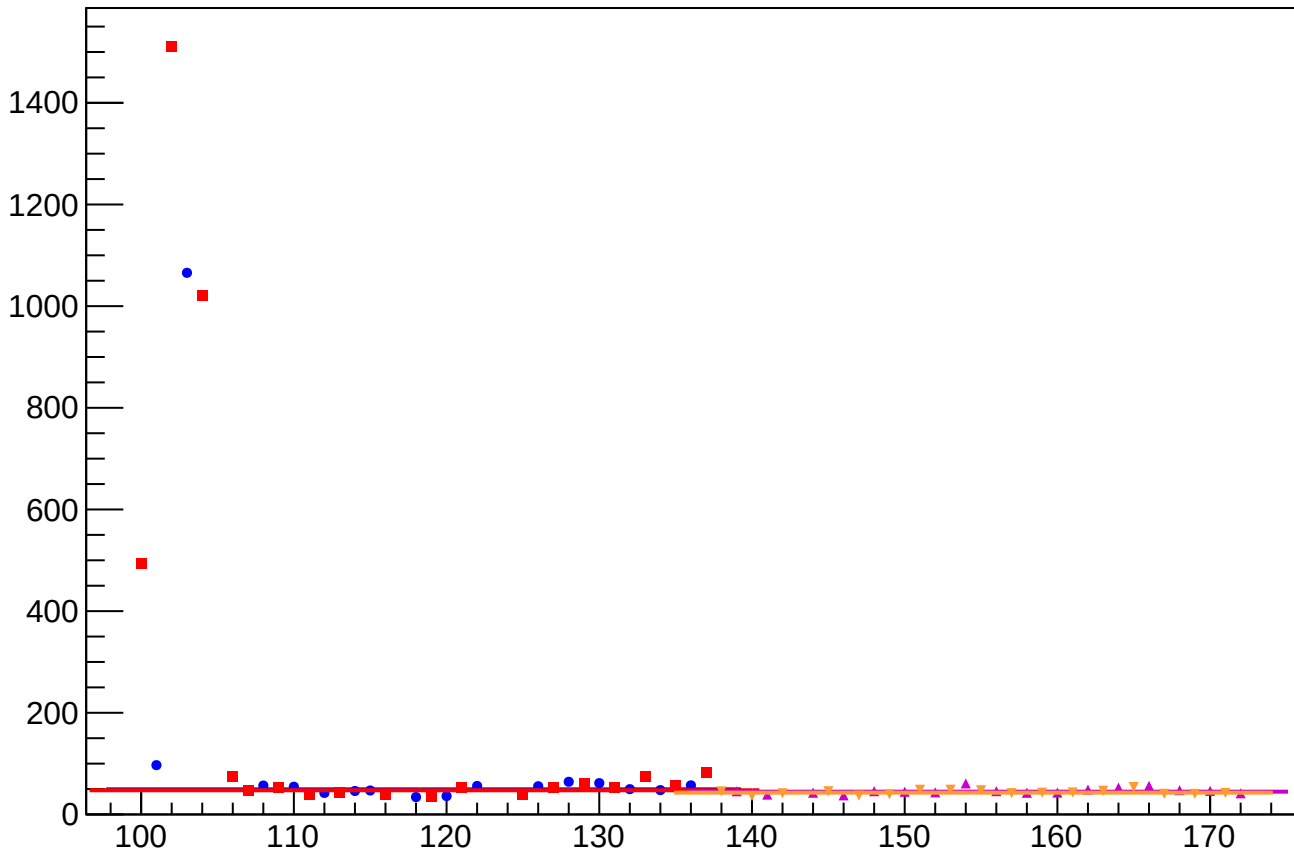
Left In: 0.001 ± 0.013 $\chi^2/\text{NDF}: 11.4/16$

+ sign 0.003 ± 0.011 $\chi^2/\text{NDF}: 49.6/32$

All: 0.001 ± 0.008 $\chi^2/\text{NDF}: 71.6/67$

- sign -0.001 ± 0.011 $\chi^2/\text{NDF}: 21.9/34$

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.333+/-0.015 χ^2/NDF : 1776998.3/15

Left Out: 42.889+/-0.009 χ^2/NDF : 217961.9/16

Right Out: 47.599+/-0.015 χ^2/NDF : 2418219.3/17

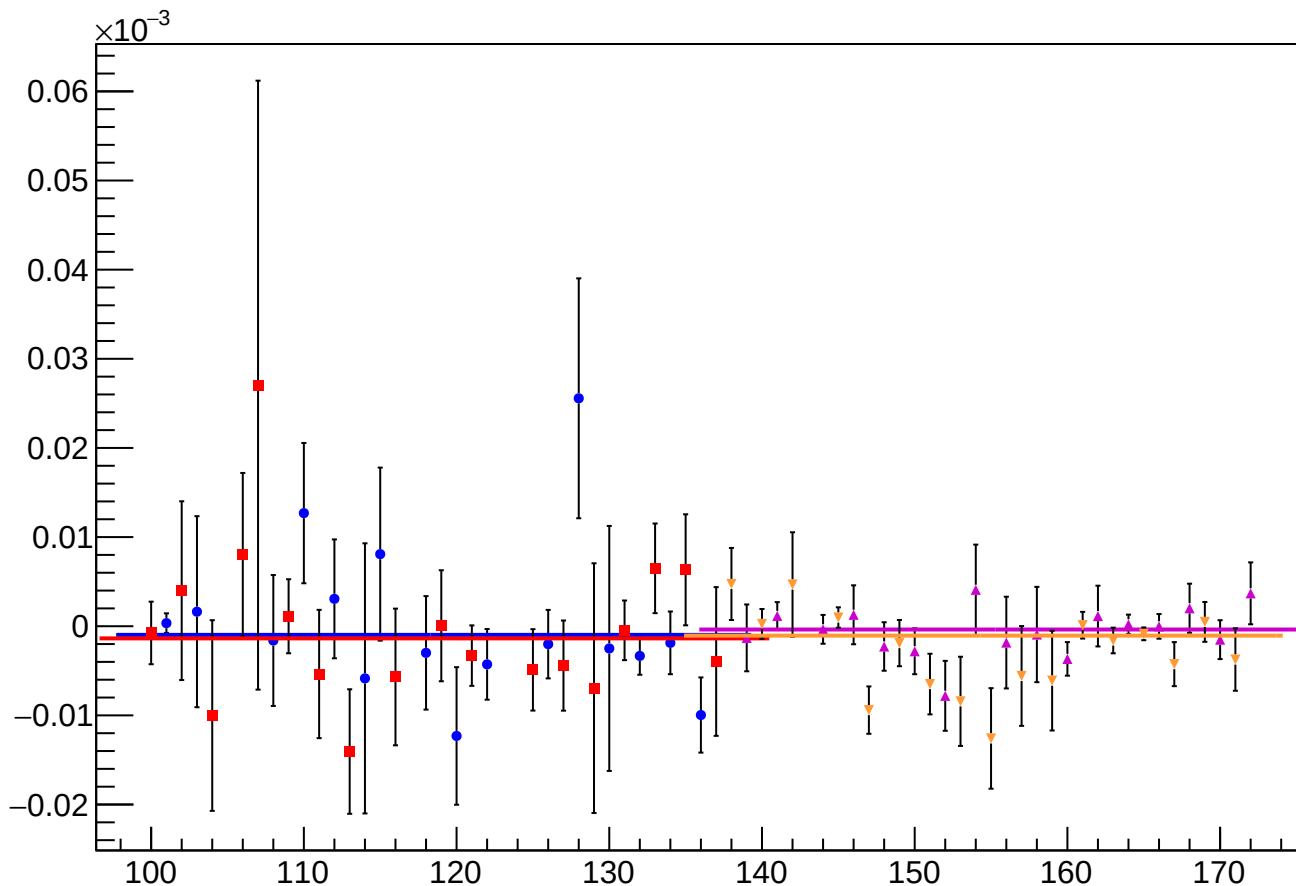
Left In: 44.811+/-0.009 χ^2/NDF : 305131.2/16

+ sign 44.627+/-0.008 χ^2/NDF : 2133074.7/32

All: 45.080+/-0.005 χ^2/NDF : 4888258.8/67

- sign 45.543+/-0.008 χ^2/NDF : 2748171.2/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2 /NDF:30.7/16

Right Out: -0.000+/-0.000 χ^2 /NDF: 12.6/17

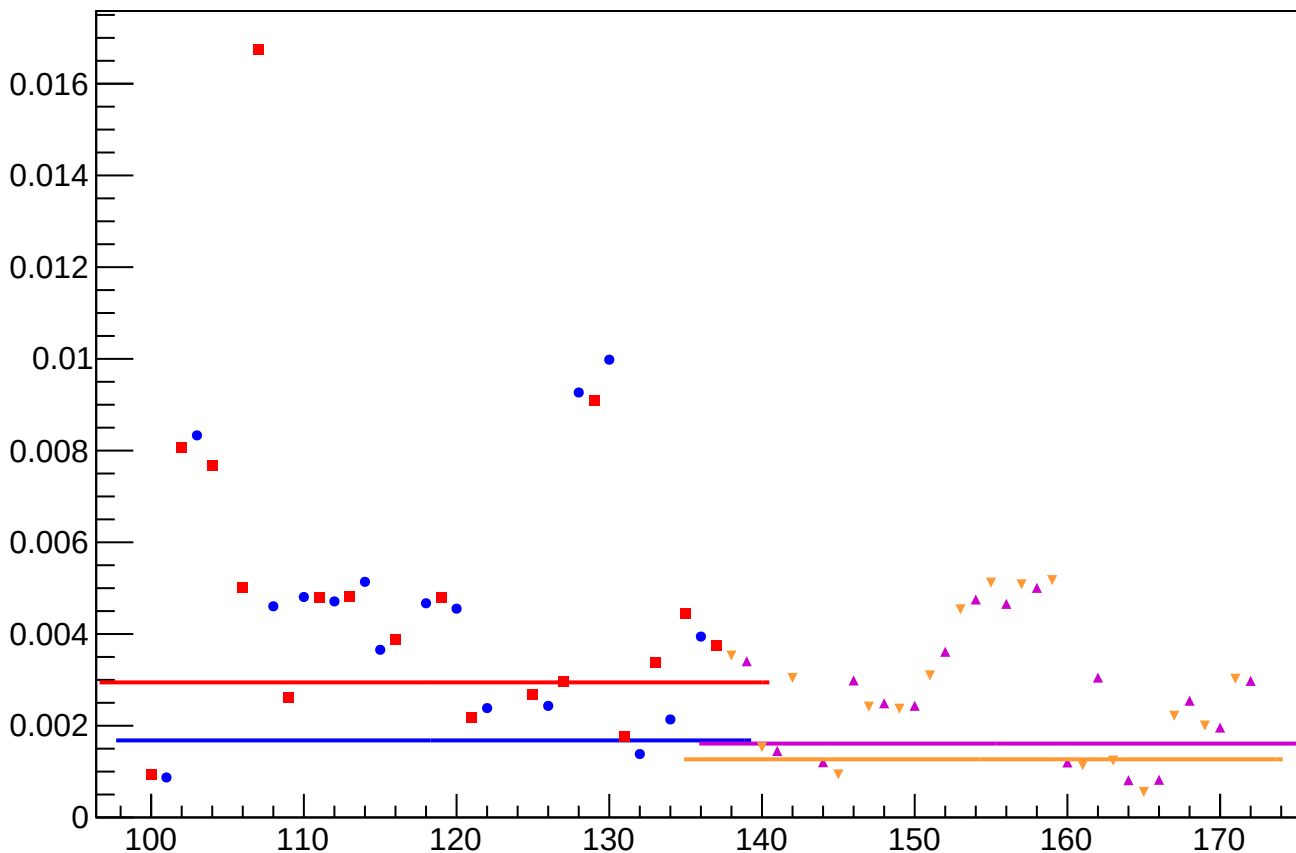
Left In: -0.000+/-0.000 χ^2 /NDF:13.1/16

+ sign -0.000+/-0.000 χ^2 /NDF: 49.4/32

All: -0.000+/-0.000 χ^2 /NDF: 76.3/67

- sign -0.000+/-0.000 χ^2 /NDF: 26.3/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF : 9046585.0/16

Right Out: 0.003+/-0.000 χ^2/NDF : 3379848.5/17

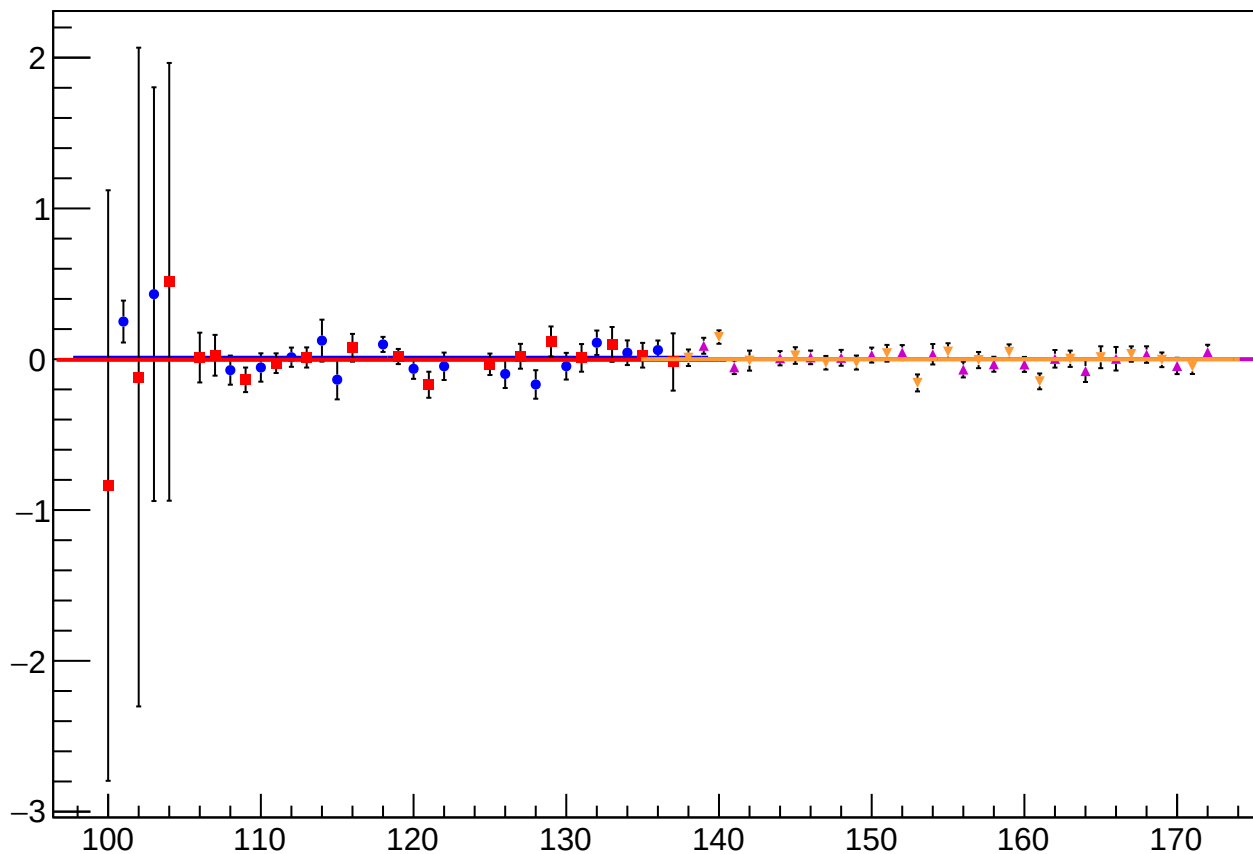
Left In: 0.002+/-0.000 χ^2/NDF : 6925521.2/16

+ sign 0.001+/-0.000 χ^2/NDF : 15389686.5/32

All: 0.002+/-0.000 χ^2/NDF : 28526971.5/67

- sign 0.002+/-0.000 χ^2/NDF : 12138182.3/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.000 $\pm$ 0.013 χ^2 /NDF:31.0/16

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

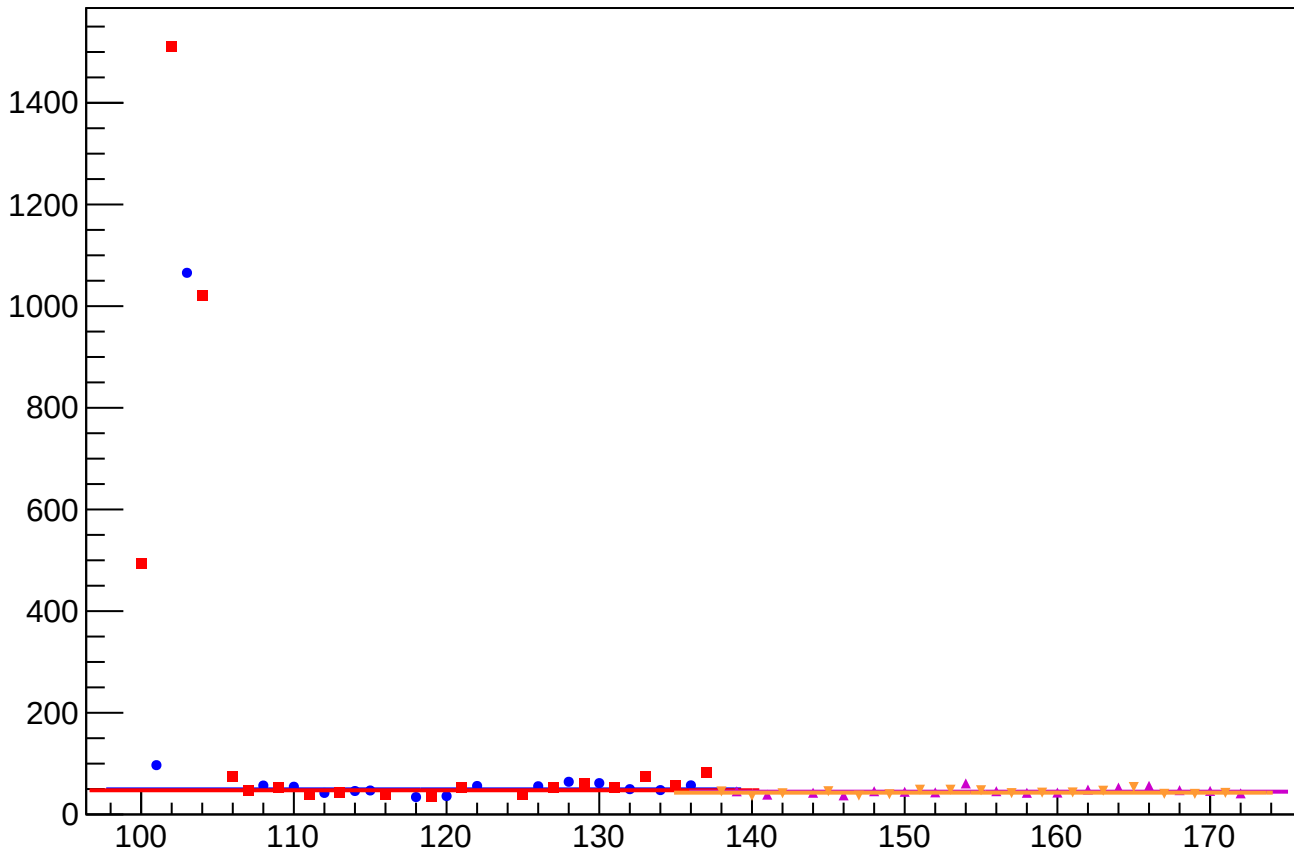
Left In: 0.001 $\pm$ 0.013 χ^2 /NDF:11.4/16

+ sign 0.003 $\pm$ 0.011 χ^2 /NDF: 49.6/32

All: 0.001 $\pm$ 0.008 χ^2 /NDF: 71.6/67

- sign -0.001 $\pm$ 0.011 χ^2 /NDF: 21.9/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

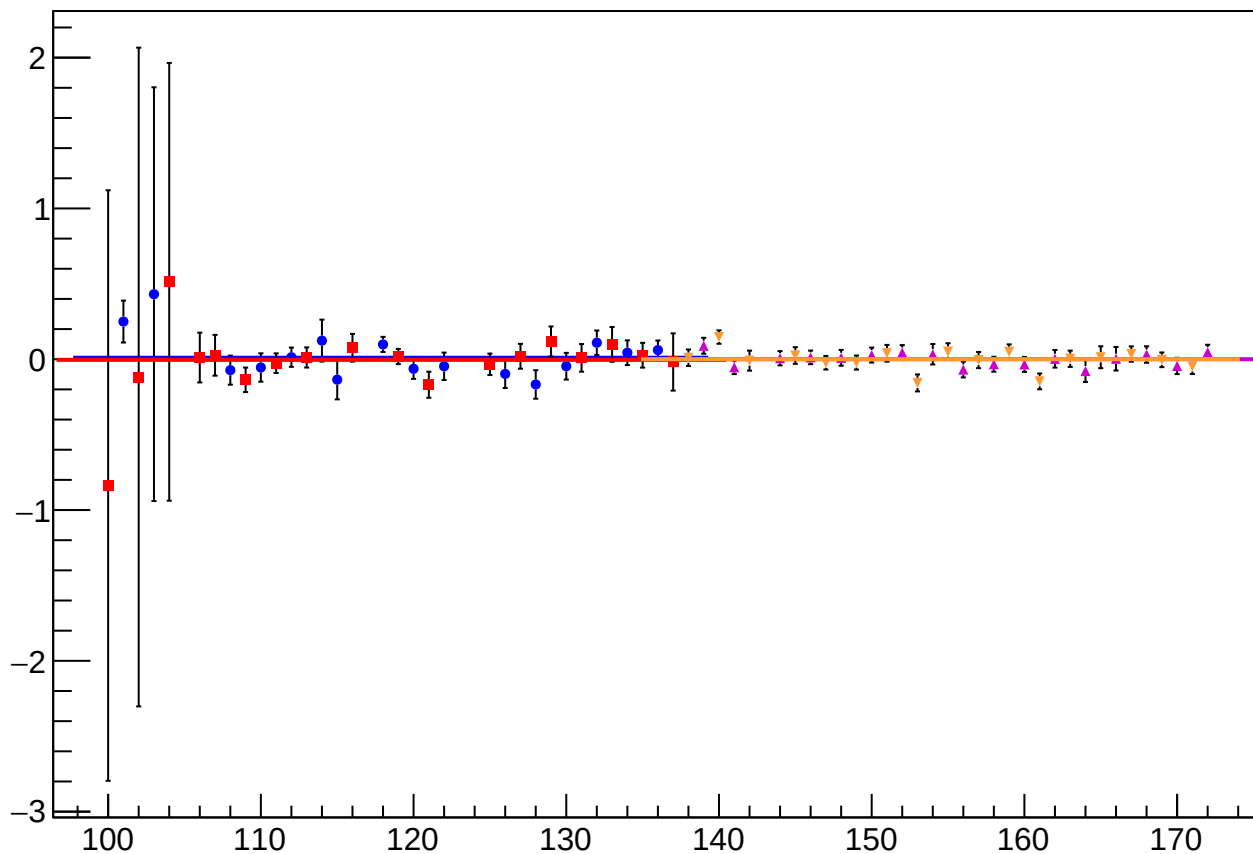
Left In: 44.811+/-0.009 χ^2/NDF : 305195.1/16

+ sign 44.627+/-0.008 χ^2/NDF : 2133031.3/32

All: 45.079+/-0.005 χ^2/NDF : 4888295.0/67

- sign 45.543+/-0.008 χ^2/NDF : 2748260.9/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.021 χ^2 /NDF: 18.4/15

Left Out: 0.000 $\pm$ 0.013 χ^2 /NDF:31.0/16

Right Out: -0.004 $\pm$ 0.021 χ^2 /NDF: 10.5/17

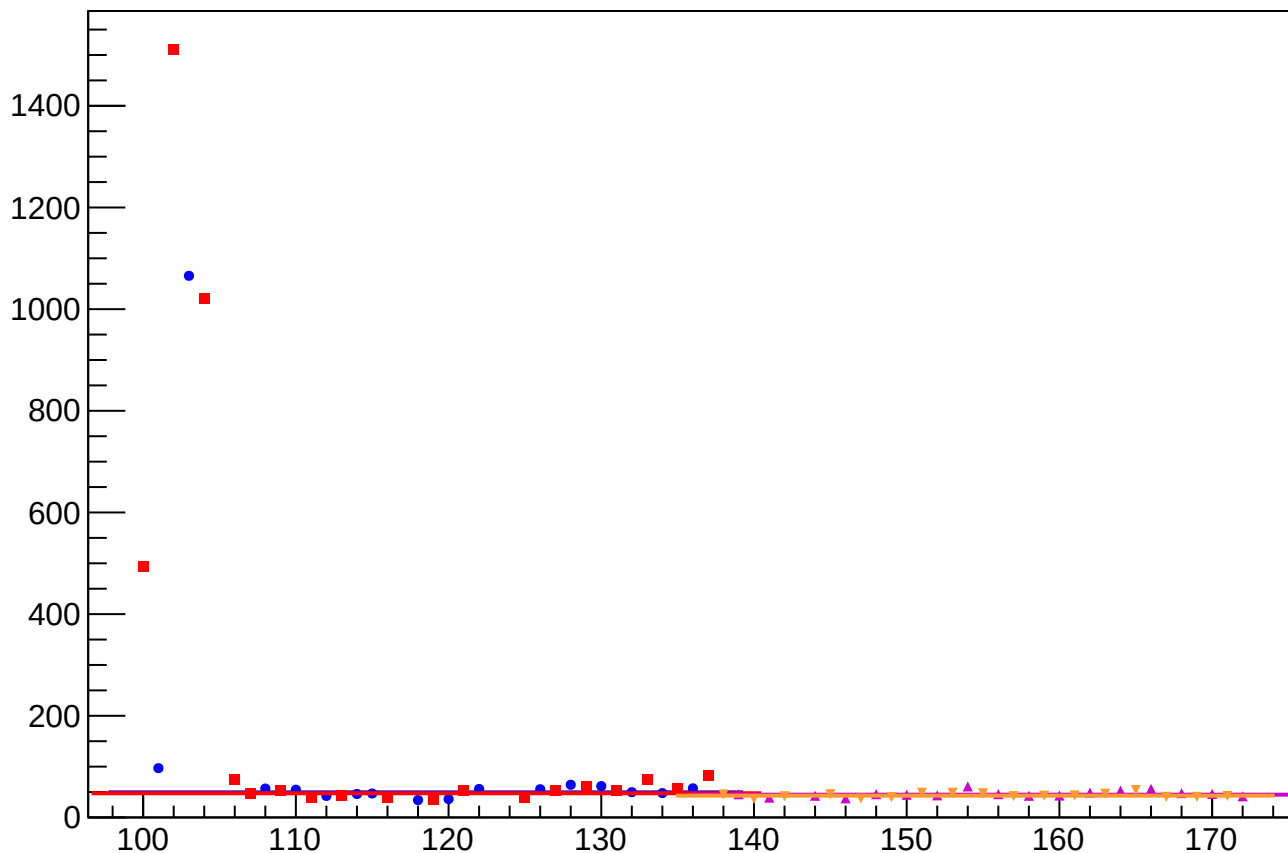
Left In: 0.001 $\pm$ 0.013 χ^2 /NDF:11.4/16

+ sign 0.003 $\pm$ 0.011 χ^2 /NDF: 49.6/32

All: 0.001 $\pm$ 0.008 χ^2 /NDF: 71.6/67

- sign -0.001 $\pm$ 0.011 χ^2 /NDF: 21.9/34

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

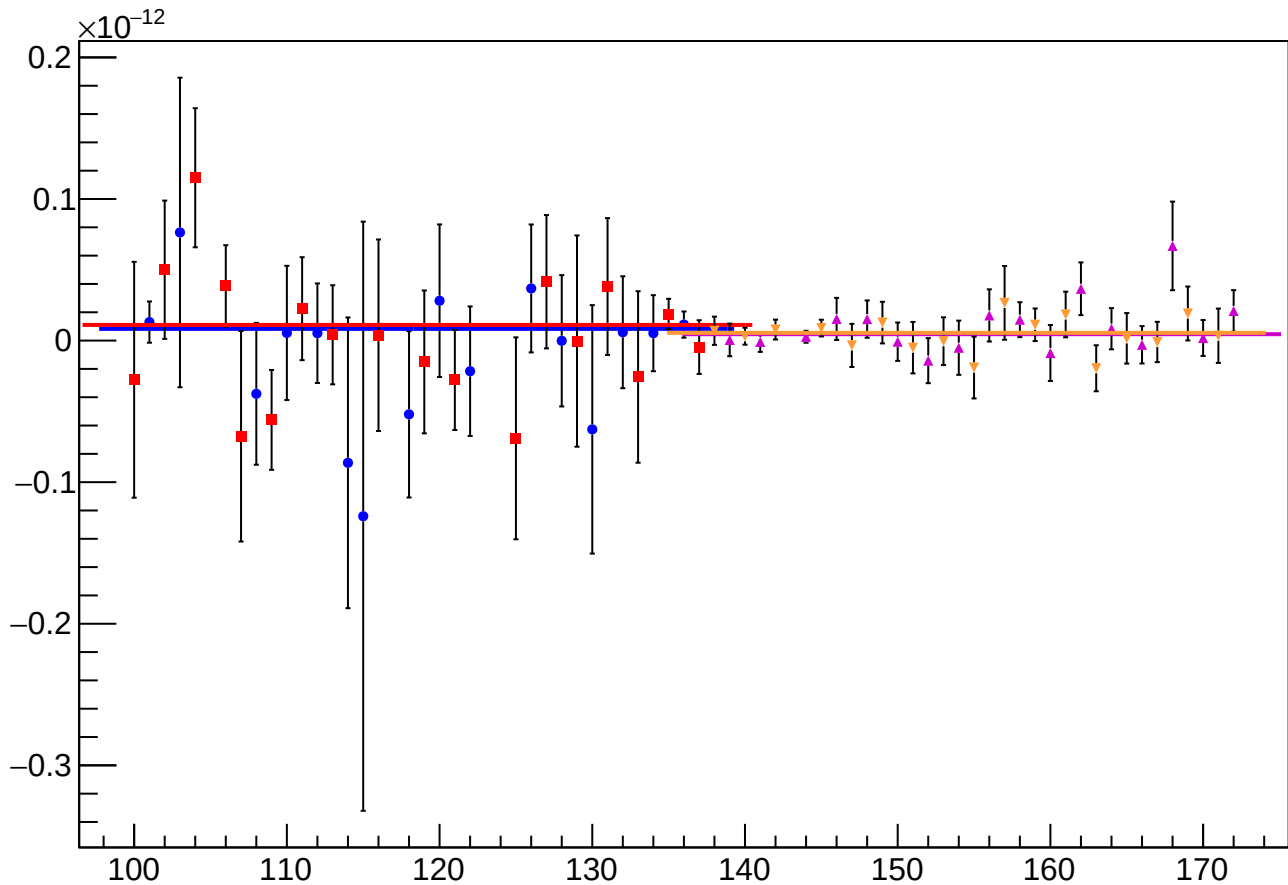
Left In: 44.811+/-0.009 χ^2/NDF : 305195.1/16

+ sign 44.627+/-0.008 χ^2/NDF : 2133031.3/32

All: 45.079+/-0.005 χ^2/NDF : 4888295.0/67

- sign 45.543+/-0.008 χ^2/NDF : 2748260.9/34

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 7.6/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.2/17

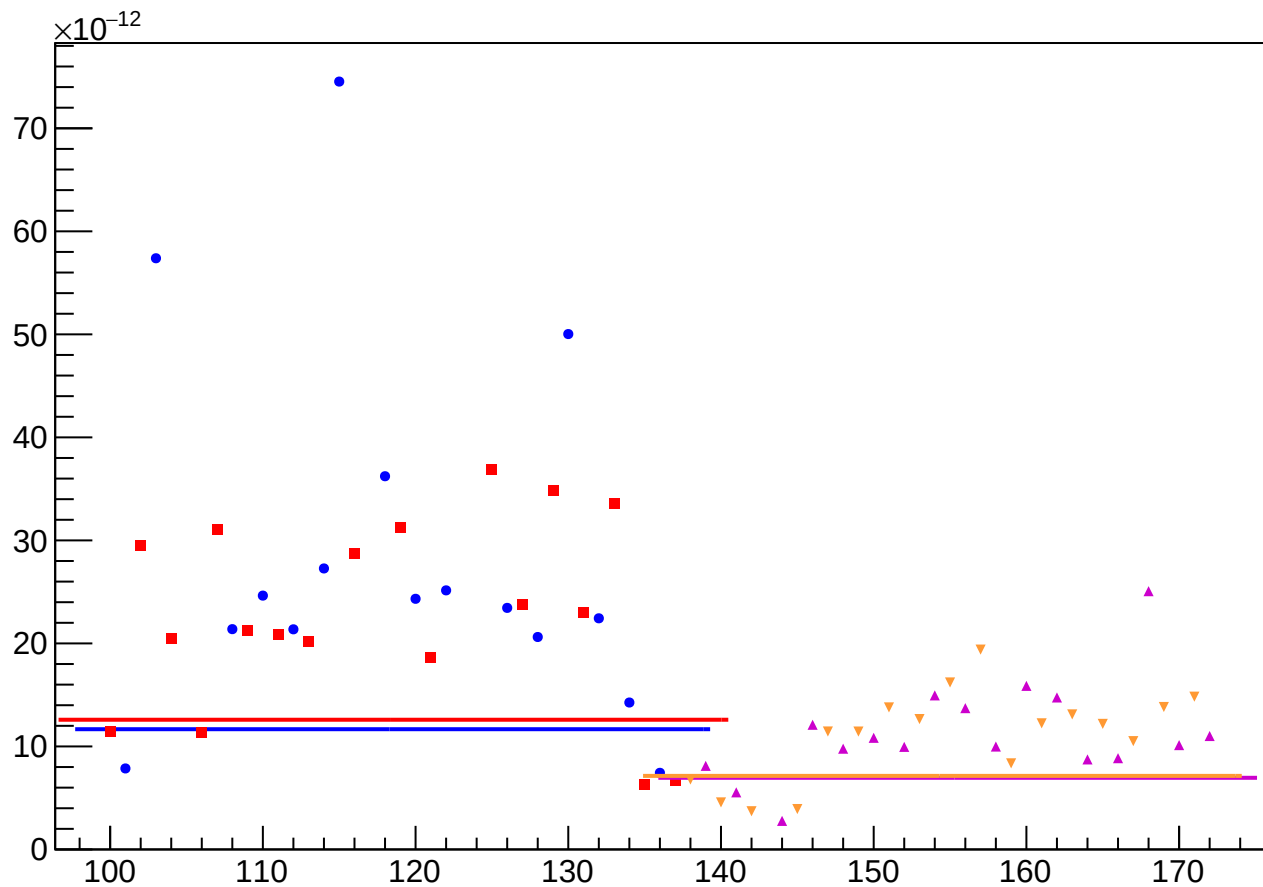
Left In: 0.000 ± 0.000 χ^2/NDF : 14.2/16

+ sign 0.000 ± 0.000 χ^2/NDF : 13.2/32

All: 0.000 ± 0.000 χ^2/NDF : 44.3/67

- sign 0.000 ± 0.000 χ^2/NDF : 31.1/34

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 4386681.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 2923298.3/17

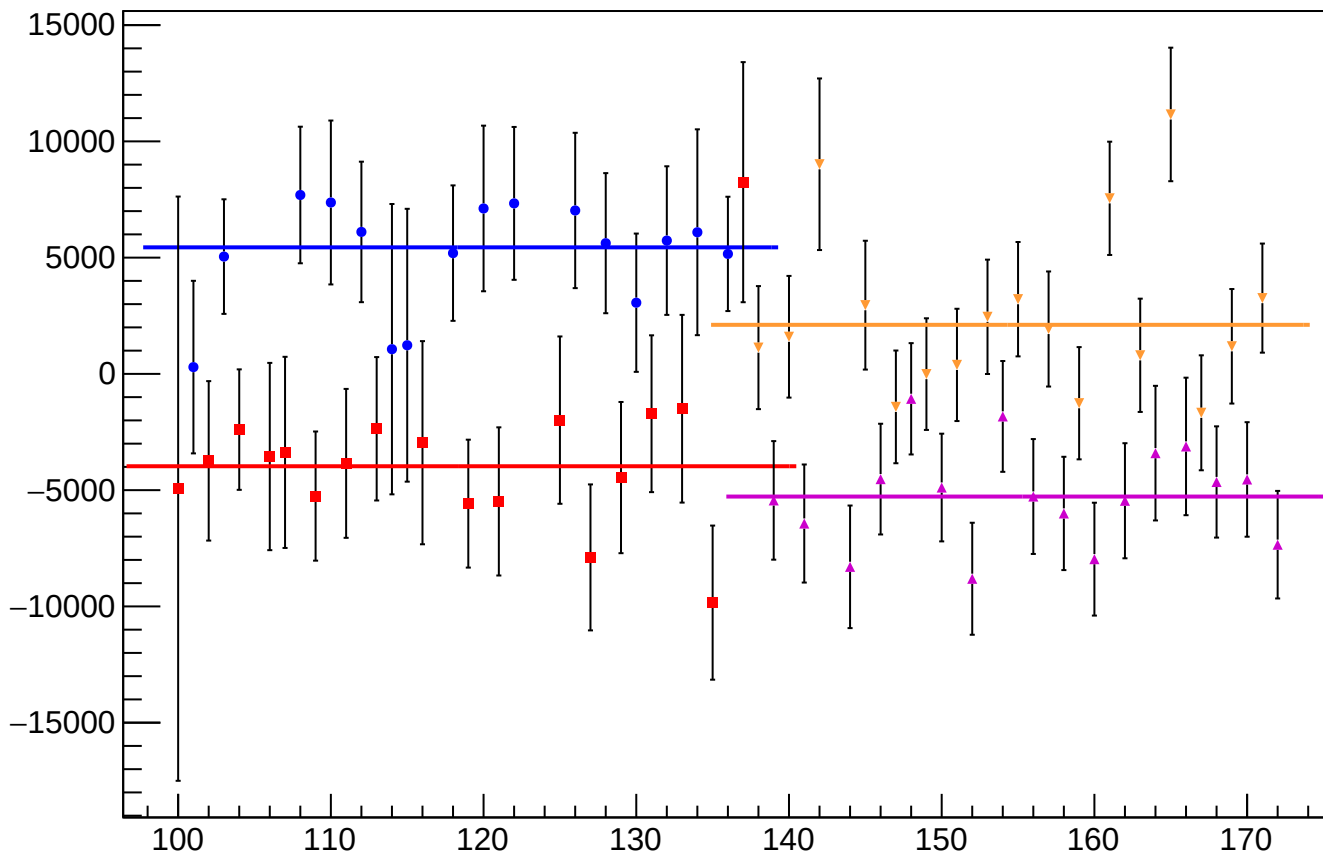
Left In: 0.000+/-0.000 χ^2/NDF : 5162186.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 8083746.9/32

All: 0.000+/-0.000 χ^2/NDF : 17247691.6/67

- sign 0.000+/-0.000 χ^2/NDF : 9159225.8/34

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.336 $\pm$ 812.534 χ^2 /NDF: 5.4/15

Left Out: 2110.168 $\pm$ 615.216 χ^2 /NDF: 27.3/16

Right Out: -3971.728 $\pm$ 809.023 χ^2 /NDF: 13.0/17

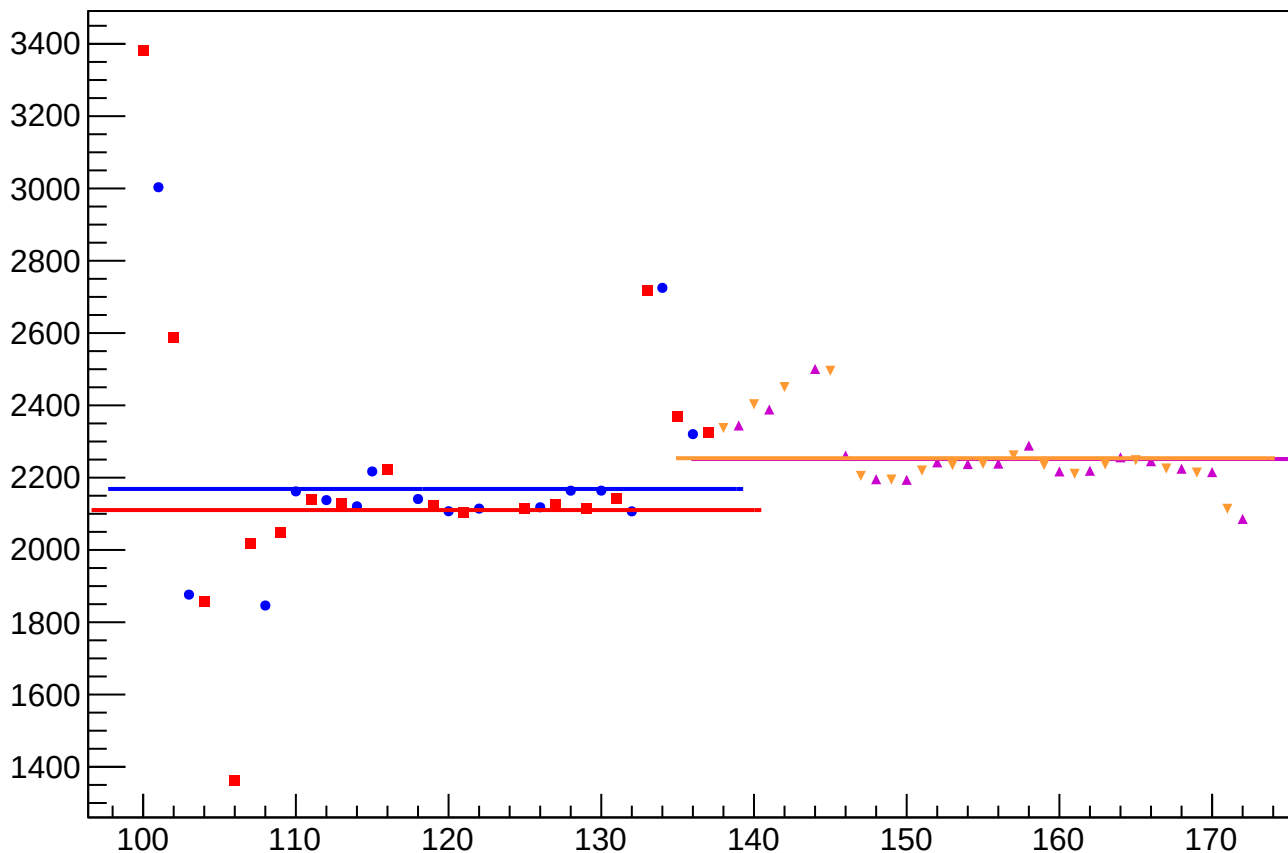
Left In: -5275.283 $\pm$ 601.471 χ^2 /NDF: 12.2/16

+ sign 3324.371 $\pm$ 490.483 χ^2 /NDF: 43.3/32

All: -808.587 $\pm$ 344.035 χ^2 /NDF: 210.0/67

- sign -4811.256 $\pm$ 482.690 χ^2 /NDF: 26.8/34

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 0.575 χ^2 /NDF: 195659.5/15

Left Out: 2253.801 $\pm$ 0.435 χ^2 /NDF: 40849.1/16

Right Out: 2110.365 $\pm$ 0.563 χ^2 /NDF: 267413.4/17

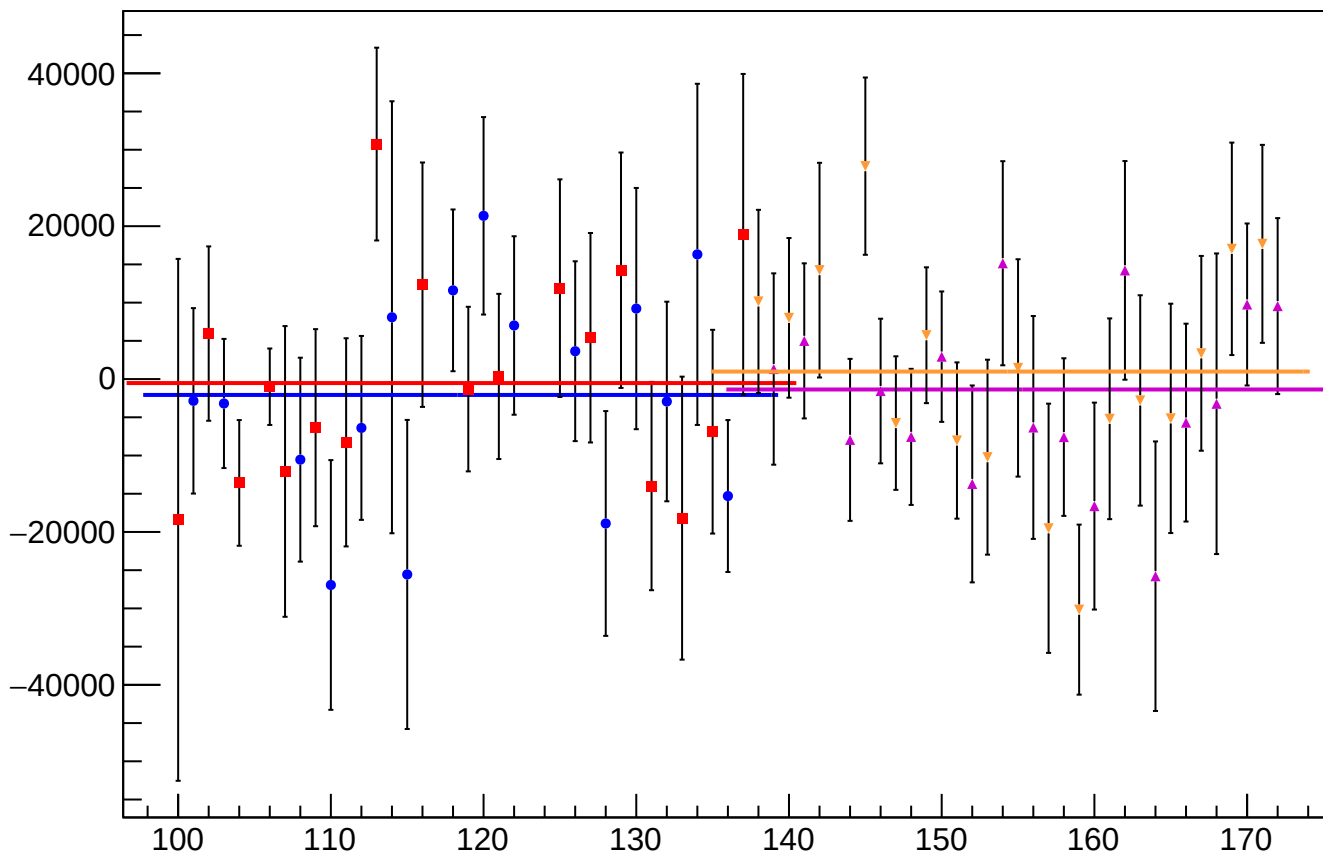
Left In: 2251.525 $\pm$ 0.425 χ^2 /NDF: 41021.3/16

+ sign 2222.797 $\pm$ 0.347 χ^2 /NDF: 250448.3/32

All: 2211.270 $\pm$ 0.243 χ^2 /NDF: 601071.0/67

- sign 2200.235 $\pm$ 0.339 χ^2 /NDF: 348460.8/34

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



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

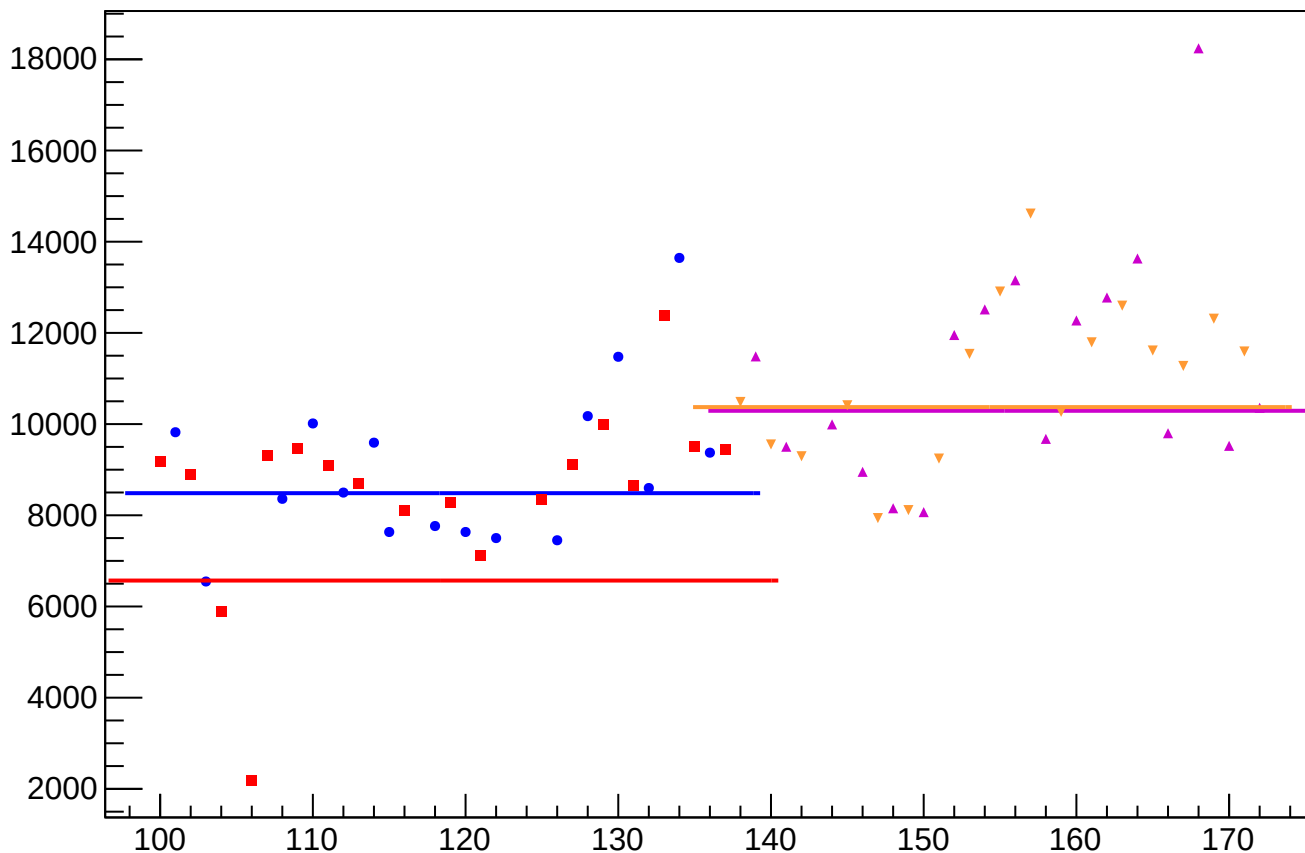
Left In: -1362.410+/-2807.329 χ^2 /NDF:11.0/16

+ sign -385.028+/-2148.266 χ^2 /NDF: 37.6/32

All: -682.449+/-1444.621 χ^2 /NDF: 64.3/67

- sign -927.966+/-1951.837 χ^2 /NDF: 26.7/34

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8485.000+/-2.271 χ^2/NDF : 422706.1/15

Left Out: 10372.571+/-2.043 χ^2/NDF : 705398.0/16

Right Out: 6568.711+/-1.920 χ^2/NDF : 2568887.0/17

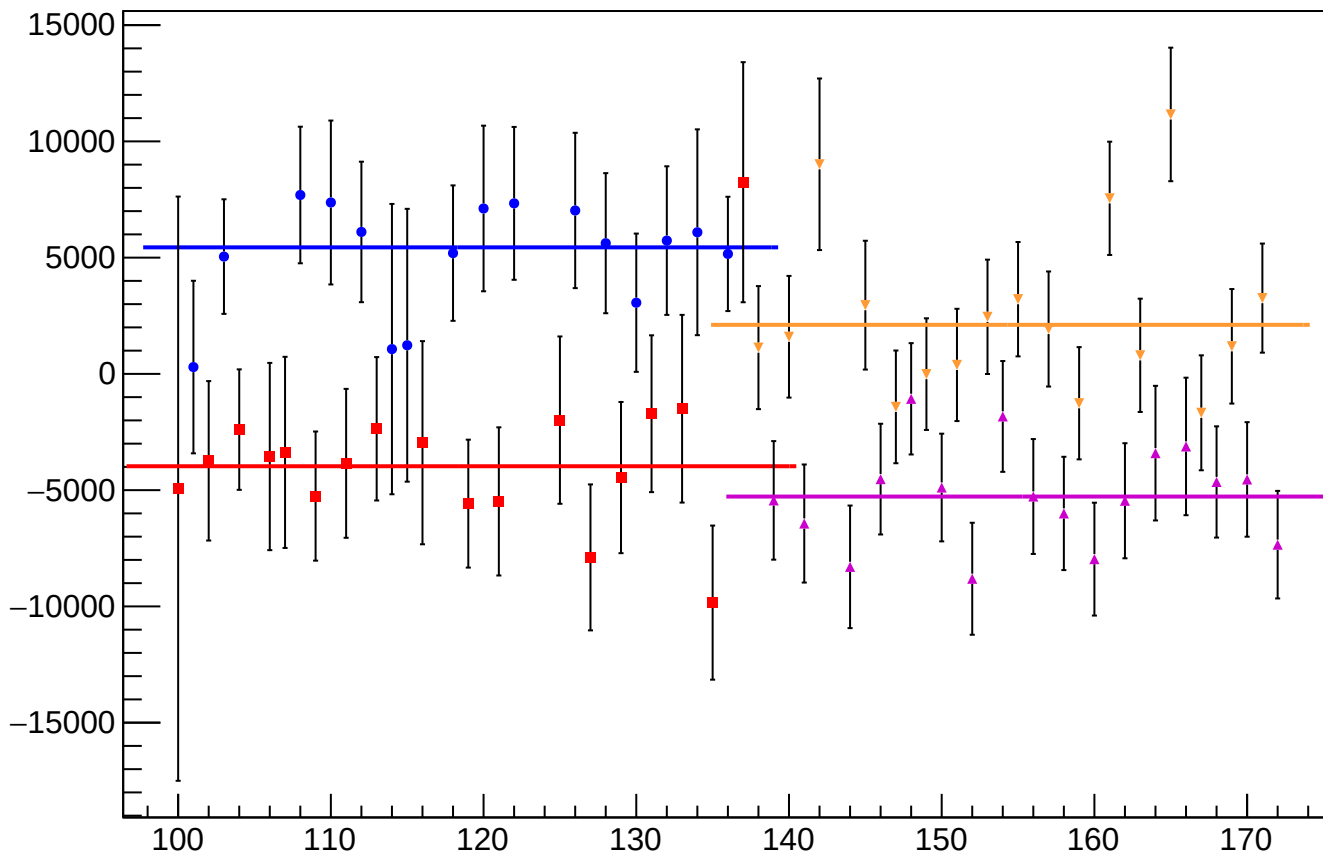
Left In: 10291.819+/-1.985 χ^2/NDF : 1011411.3/16

+ sign 9528.258+/-1.519 χ^2/NDF : 1509827.8/32

All: 8892.910+/-1.022 χ^2/NDF : 7226718.7/67

- sign 8368.437+/-1.380 χ^2/NDF : 5397548.3/34

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478 $\pm$ 812.534 χ^2/NDF : 5.4/15

Left Out: 2110.033 $\pm$ 615.216 χ^2/NDF : 27.3/16

Right Out: -3971.470 $\pm$ 809.023 χ^2/NDF : 13.0/17

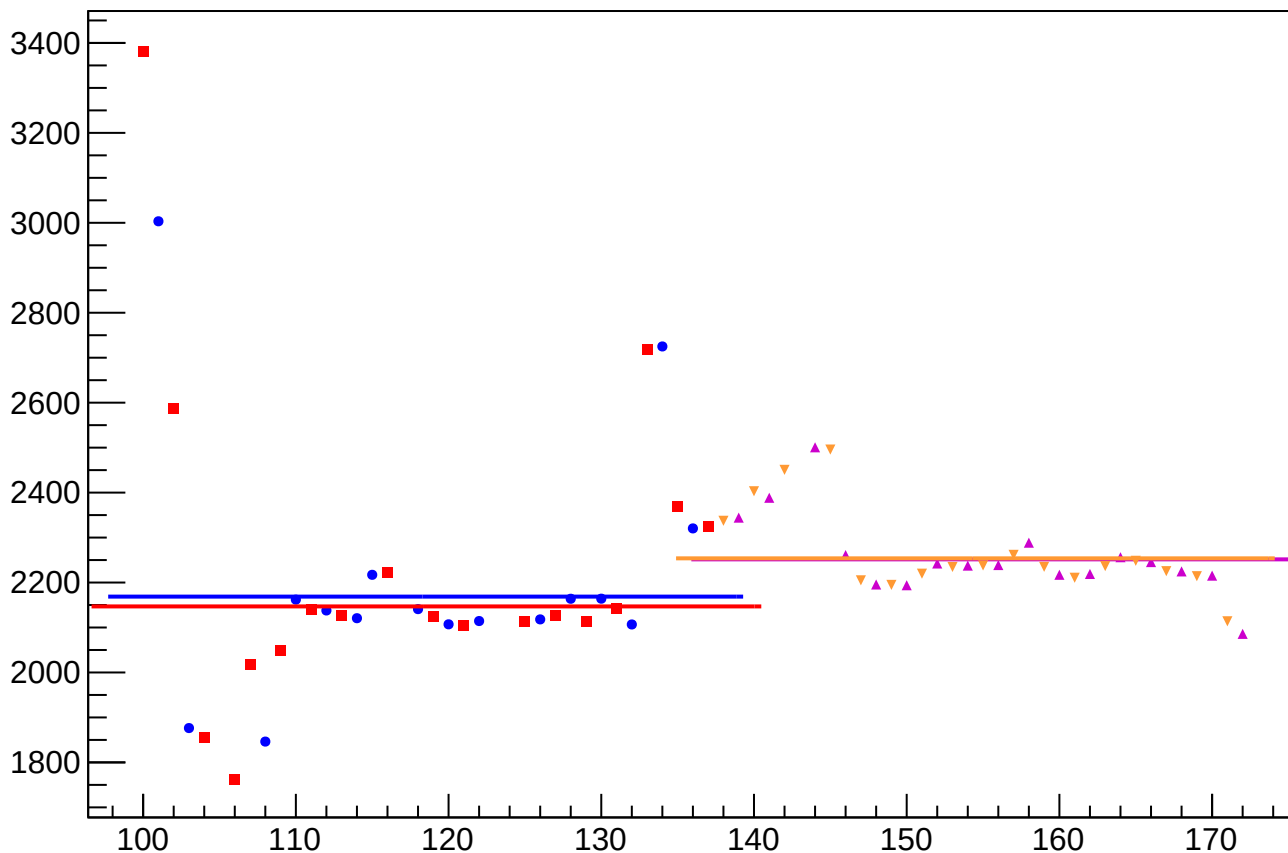
Left In: -5275.302 $\pm$ 601.471 χ^2/NDF : 12.2/16

+ sign 3324.337 $\pm$ 490.483 χ^2/NDF : 43.3/32

All: -808.564 $\pm$ 344.035 χ^2/NDF : 210.0/67

- sign -4811.177 $\pm$ 482.690 χ^2/NDF : 26.8/34

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

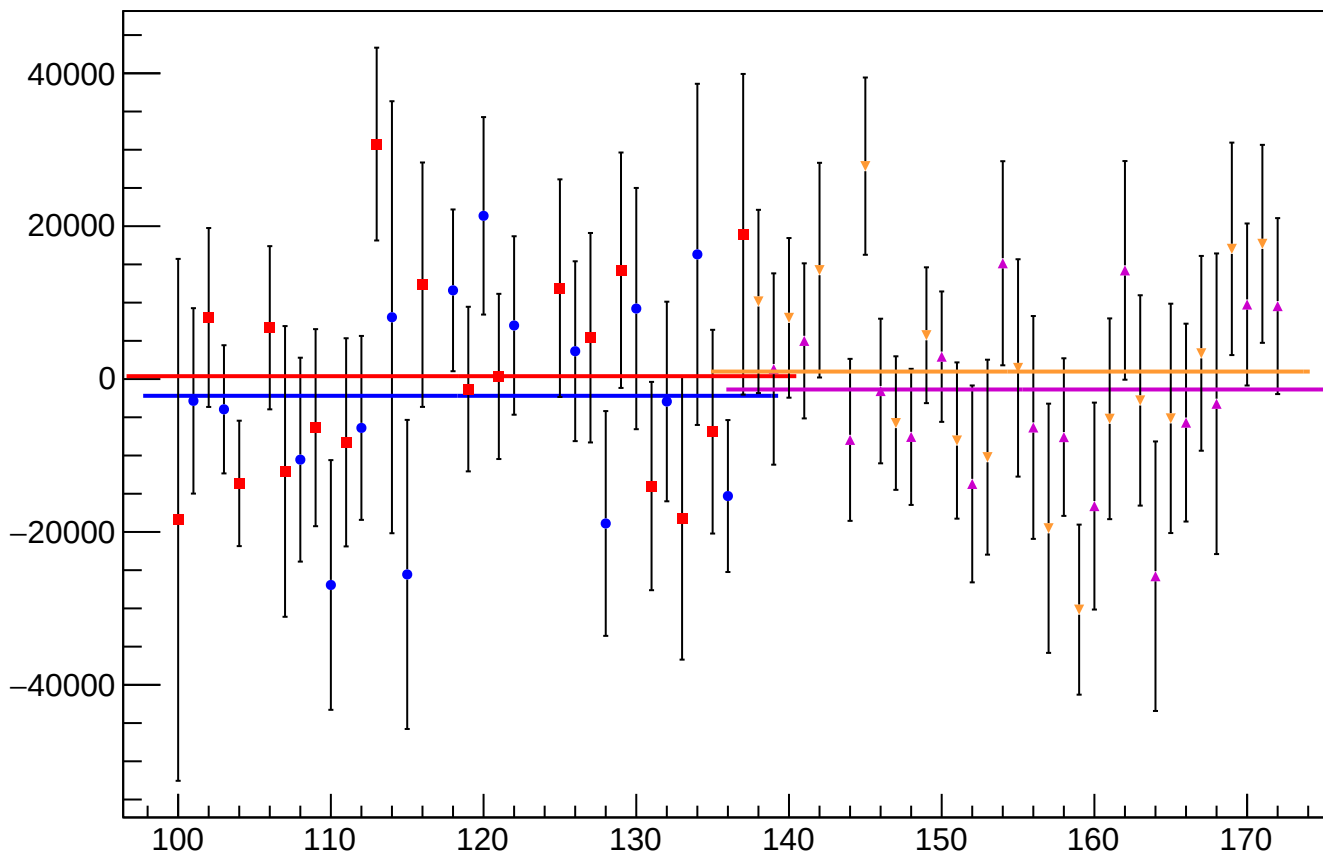
Left In: 2251.525 ± 0.425 χ^2/NDF : 41021.3/16

+ sign 2222.797 ± 0.347 χ^2/NDF : 250448.7/32

All: 2218.340 ± 0.243 χ^2/NDF : 471230.5/67

- sign 2214.038 ± 0.341 χ^2/NDF : 220457.3/34

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -2189.256 ± 3208.524 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 982.505 ± 2889.638 $\chi^2/\text{NDF}: 22.7/16$

Right Out: 379.236 ± 3099.953 $\chi^2/\text{NDF}: 16.3/17$

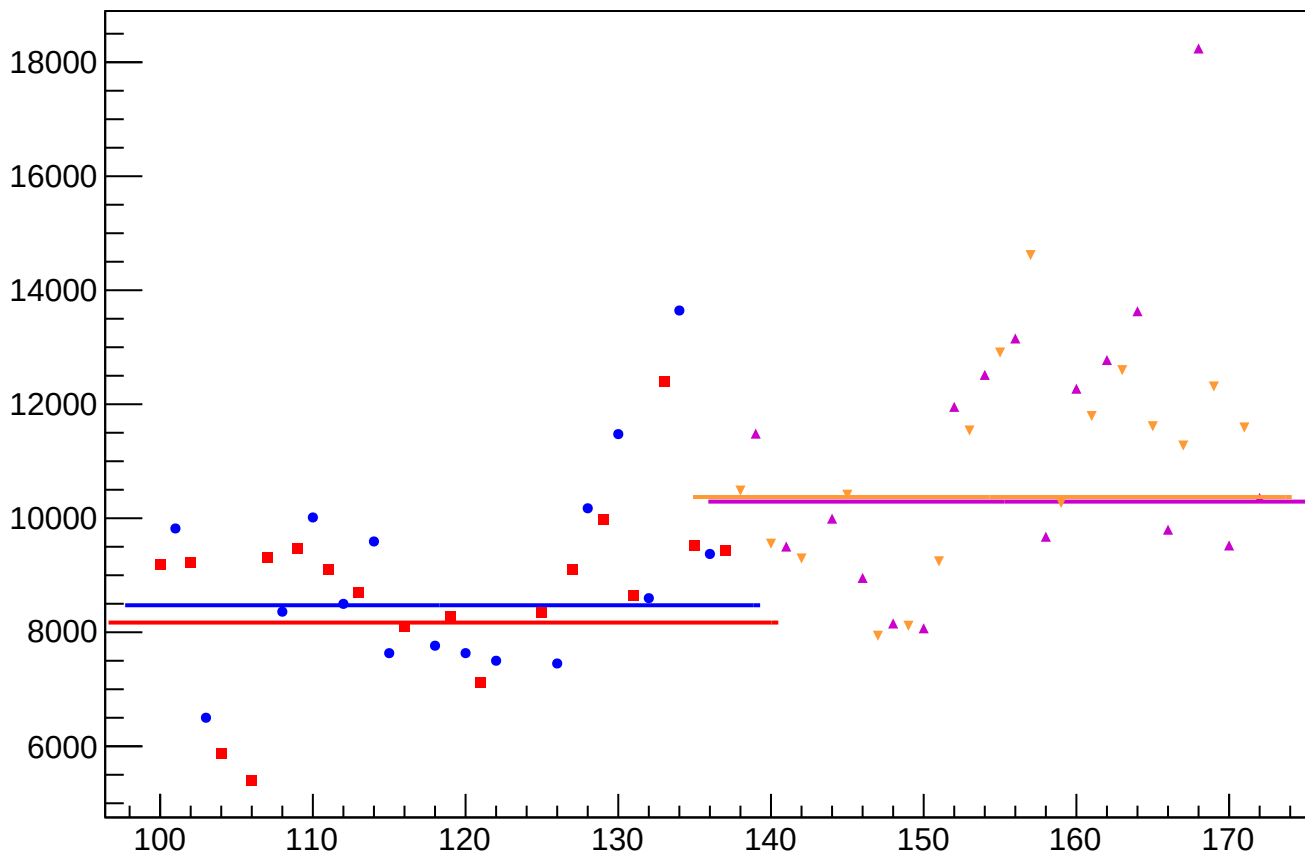
Left In: -1362.522 ± 2807.327 $\chi^2/\text{NDF}: 11.0/16$

+ sign -437.970 ± 2147.196 $\chi^2/\text{NDF}: 37.7/32$

All: -510.033 ± 1494.293 $\chi^2/\text{NDF}: 65.1/67$

- sign -577.712 ± 2080.862 $\chi^2/\text{NDF}: 27.5/34$

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



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

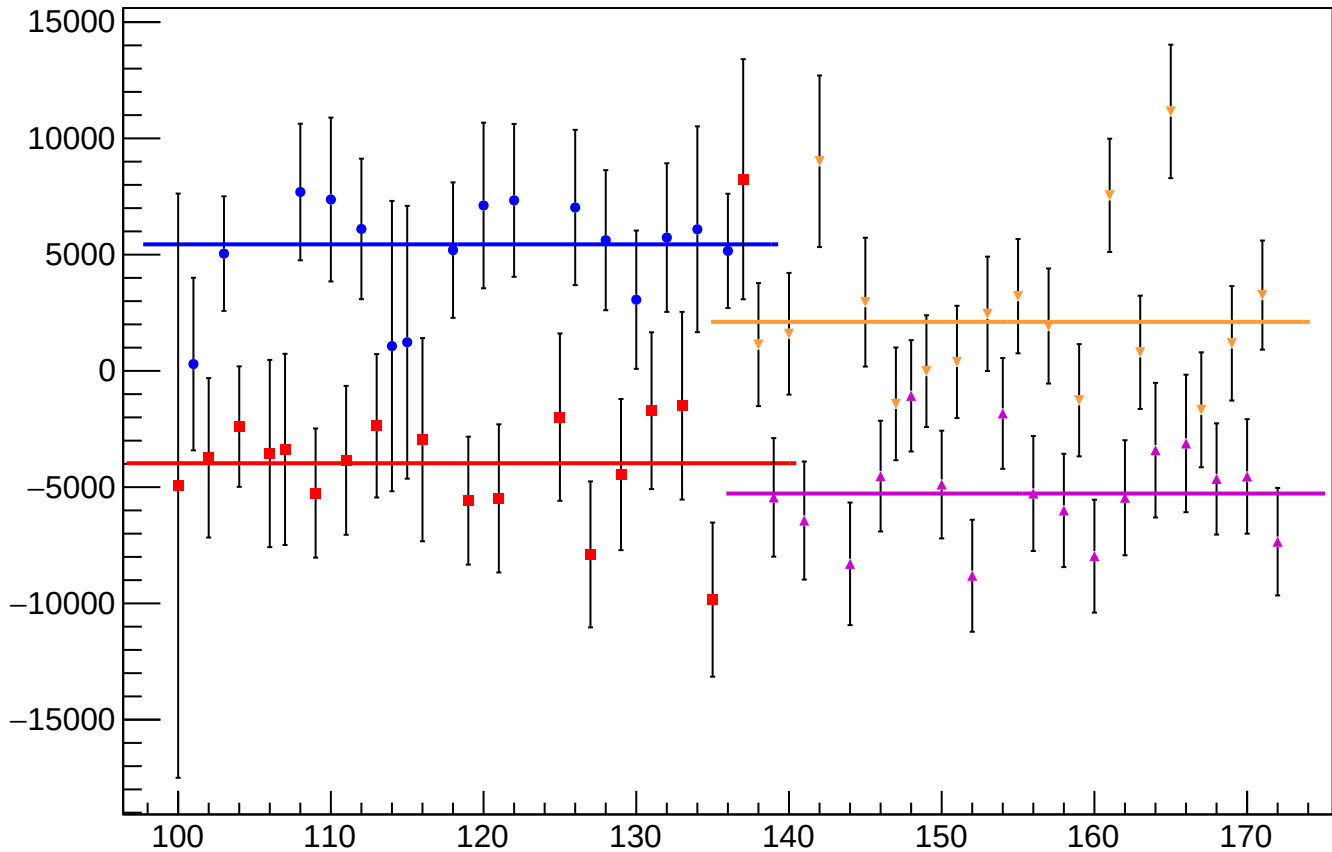
Left In: 10291.812+/-1.985 χ^2/NDF : 1011417.2/16

+ sign 9522.175+/-1.518 χ^2/NDF : 1521708.4/32

All: 9426.048+/-1.057 χ^2/NDF : 3595606.1/67

- sign 9335.768+/-1.471 χ^2/NDF : 2066124.7/34

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5442.478 $\pm$ 812.534 χ^2 /NDF: 5.4/15

Left Out: 2110.033 $\pm$ 615.216 χ^2 /NDF:27.3/16

Right Out: -3971.470 $\pm$ 809.023 χ^2 /NDF: 13.0/17

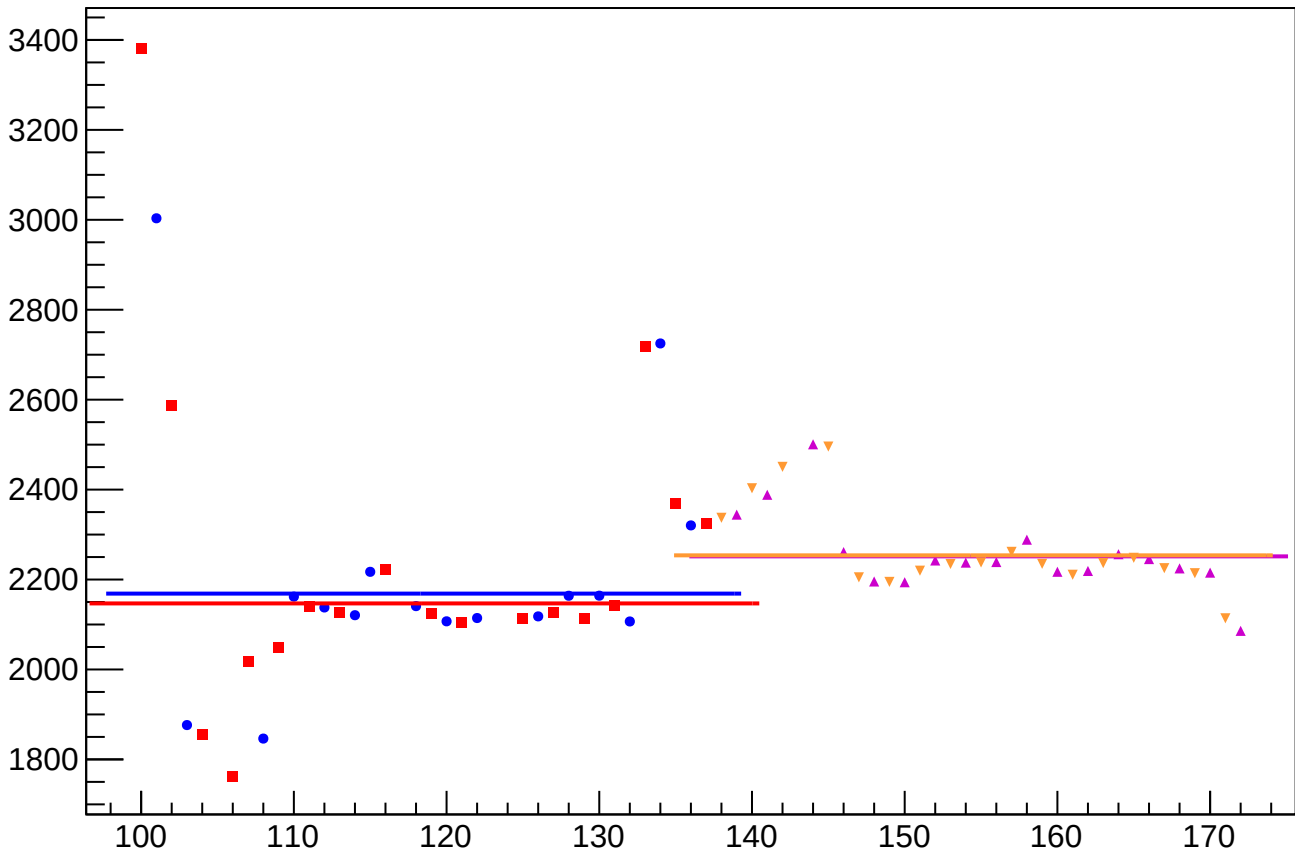
Left In: -5275.302 $\pm$ 601.471 χ^2 /NDF:12.2/16

+ sign 3324.337 $\pm$ 490.483 χ^2 /NDF: 43.3/32

All: -808.564 $\pm$ 344.035 χ^2 /NDF: 210.0/67

- sign -4811.177 $\pm$ 482.690 χ^2 /NDF: 26.8/34

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2168.715 $\pm$ 0.575 χ^2 /NDF: 195659.8/15

Left Out: 2253.801 $\pm$ 0.435 χ^2 /NDF: 40849.1/16

Right Out: 2146.888 $\pm$ 0.569 χ^2 /NDF: 157750.7/17

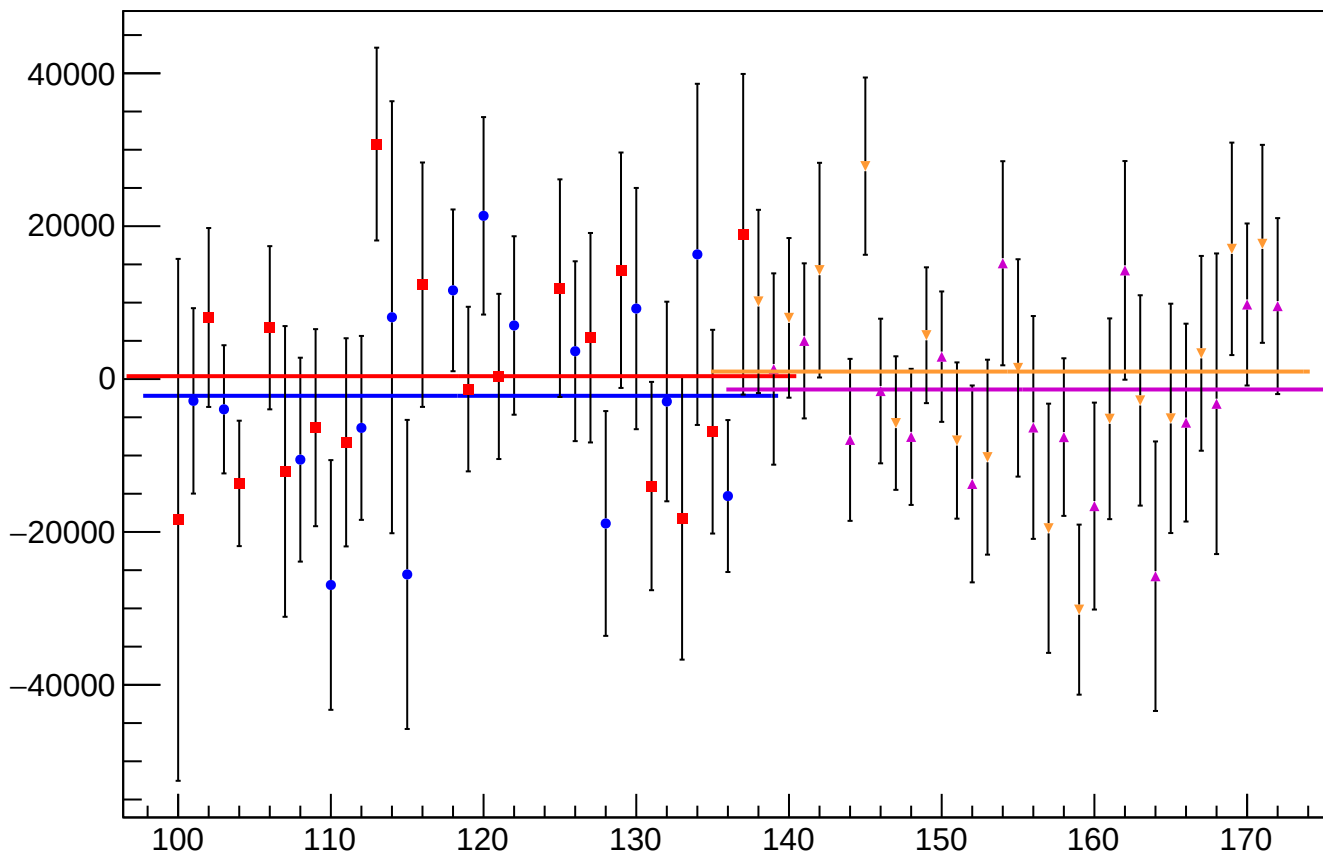
Left In: 2251.525 $\pm$ 0.425 χ^2 /NDF: 41021.3/16

+ sign 2222.797 $\pm$ 0.347 χ^2 /NDF: 250448.7/32

All: 2218.340 $\pm$ 0.243 χ^2 /NDF: 471230.5/67

- sign 2214.038 $\pm$ 0.341 χ^2 /NDF: 220457.3/34

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



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

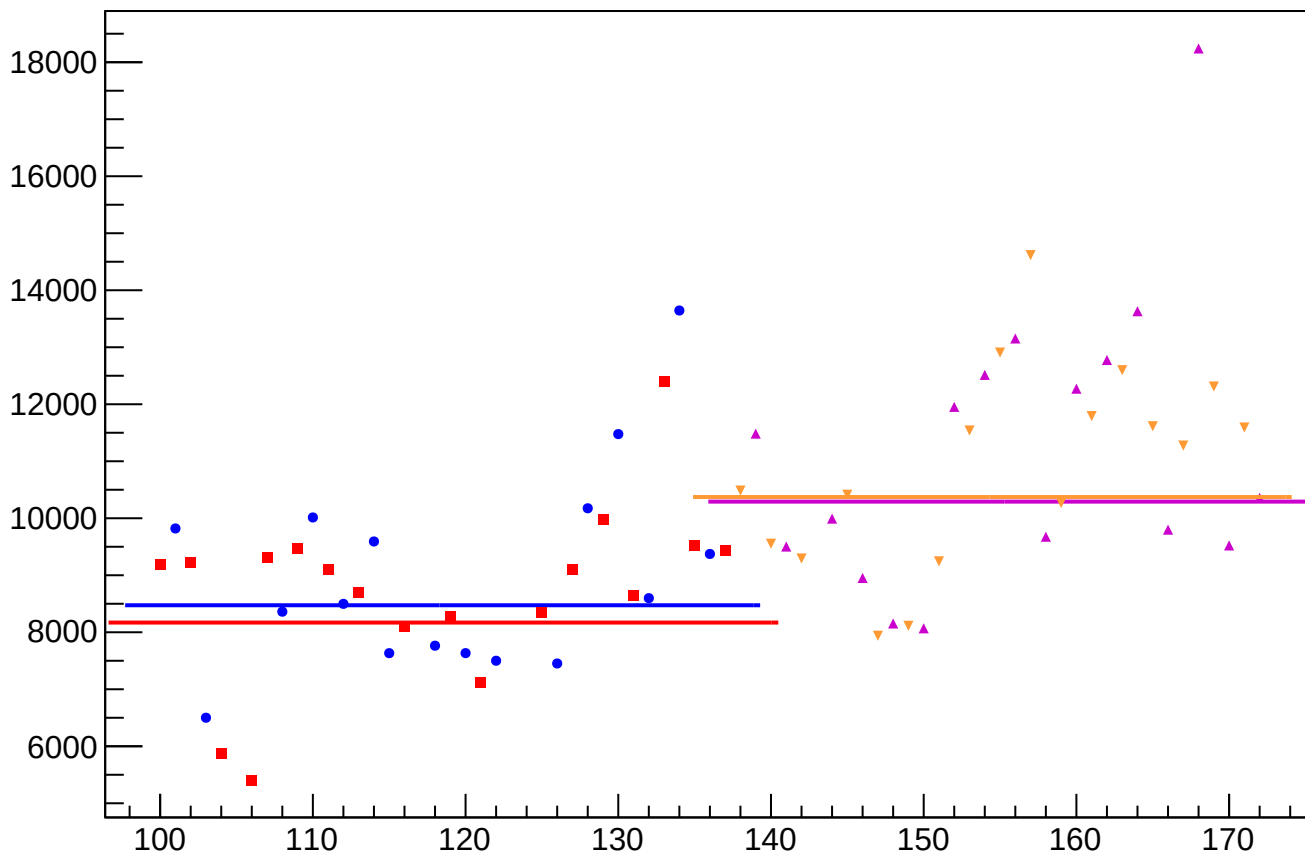
Left In: -1362.522+/-2807.327 χ^2/NDF : 11.0/16

+ sign -437.970+/-2147.196 χ^2/NDF : 37.7/32

All: -510.033+/-1494.293 χ^2/NDF : 65.1/67

- sign -577.712+/-2080.862 χ^2/NDF : 27.5/34

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



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

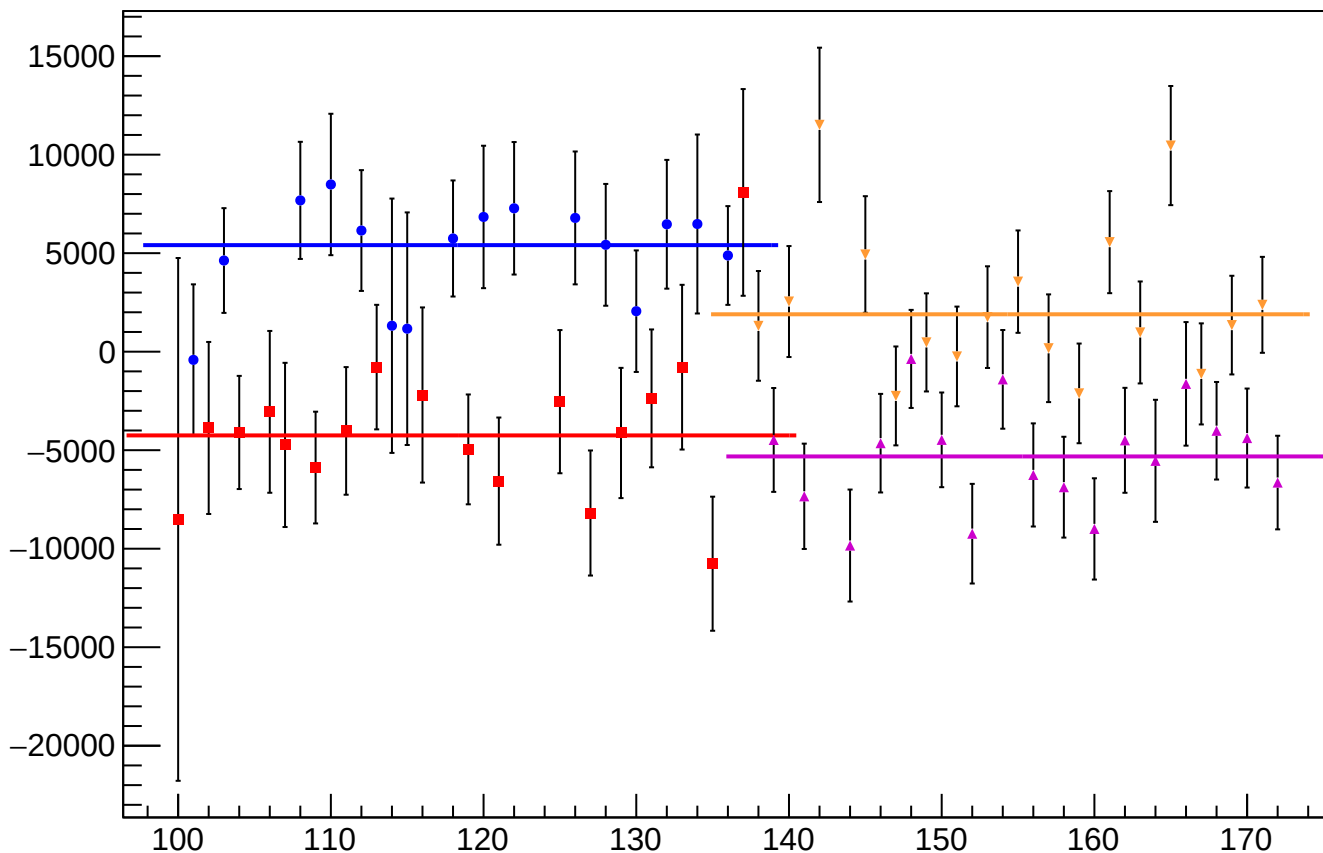
Left In: 10291.812+/-1.985 χ^2/NDF : 1011417.2/16

+ sign 9522.175+/-1.518 χ^2/NDF : 1521708.4/32

All: 9426.048+/-1.057 χ^2/NDF : 3595606.1/67

- sign 9335.768+/-1.471 χ^2/NDF : 2066124.7/34

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.867 $\pm$ 833.689 χ^2 /NDF: 6.7/15

Left Out: 1898.119 $\pm$ 647.270 χ^2 /NDF:25.9/16

Right Out: -4249.899 $\pm$ 839.336 χ^2 /NDF: 14.5/17

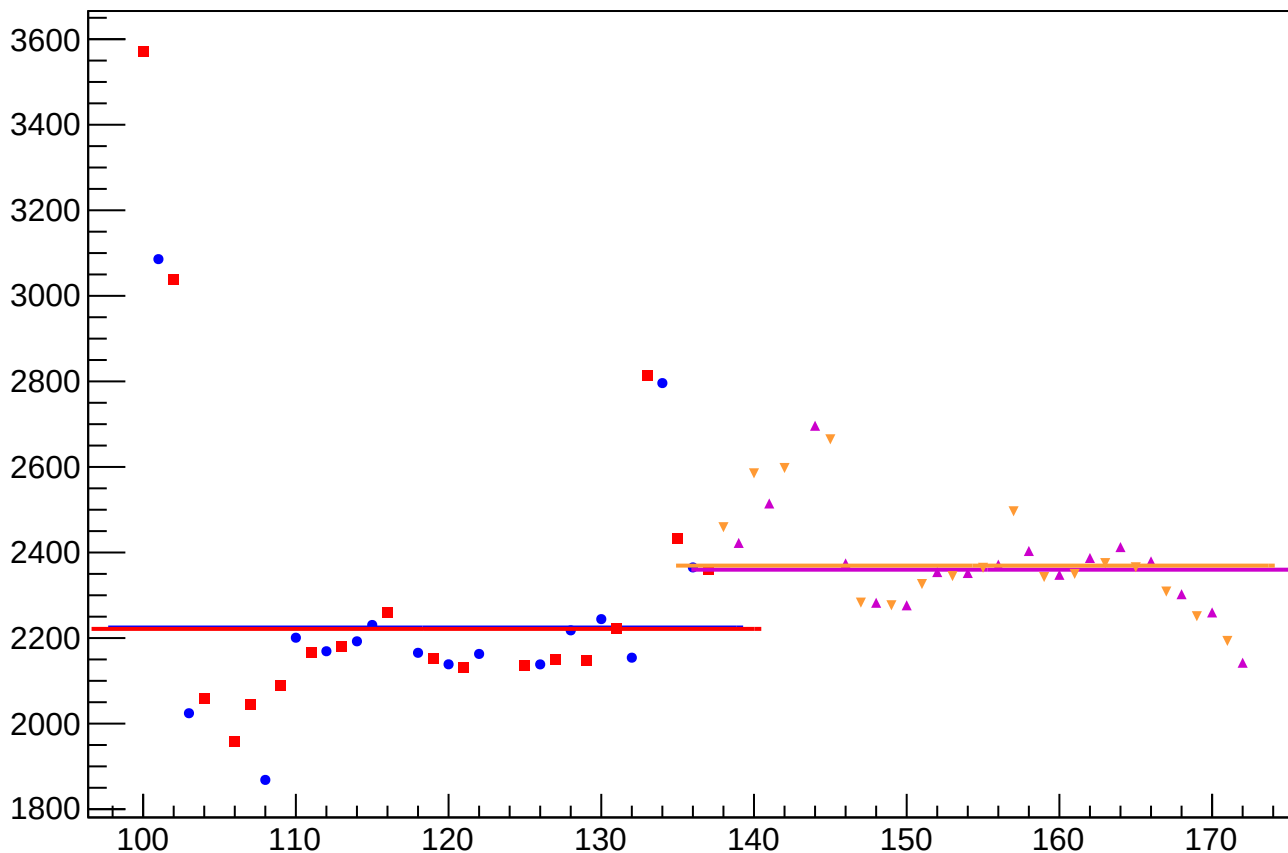
Left In: -5317.048 $\pm$ 630.766 χ^2 /NDF:17.0/16

+ sign 3218.089 $\pm$ 511.267 χ^2 /NDF: 43.7/32

All: -913.228 $\pm$ 359.013 χ^2 /NDF: 204.9/67

- sign -4931.887 $\pm$ 504.248 χ^2 /NDF: 32.5/34

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2224.614 $\pm$ 0.590 χ^2 /NDF: 184679.8/15

Left Out: 2369.364 $\pm$ 0.458 χ^2 /NDF: 67124.5/16

Right Out: 2221.425 $\pm$ 0.593 χ^2 /NDF: 169944.3/17

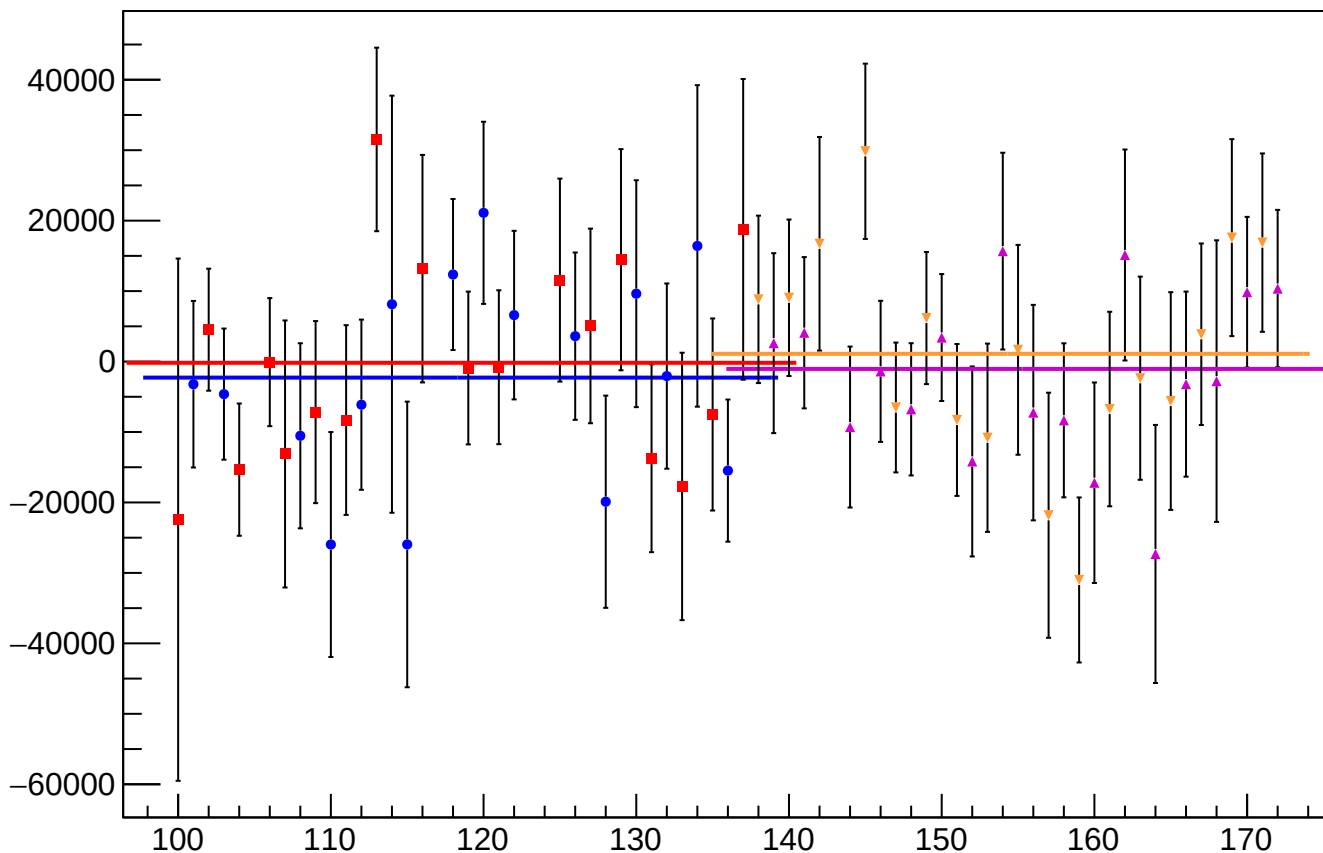
Left In: 2359.832 $\pm$ 0.446 χ^2 /NDF: 62832.1/16

+ sign 2314.925 $\pm$ 0.362 χ^2 /NDF: 289421.2/32

All: 2312.346 $\pm$ 0.254 χ^2 /NDF: 557081.0/67

- sign 2309.838 $\pm$ 0.356 χ^2 /NDF: 267559.4/34

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -2278.440 ± 3271.750 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 1099.022 ± 3013.969 $\chi^2/\text{NDF}: 22.7/16$

Right Out: -177.024 ± 3035.355 $\chi^2/\text{NDF}: 15.6/17$

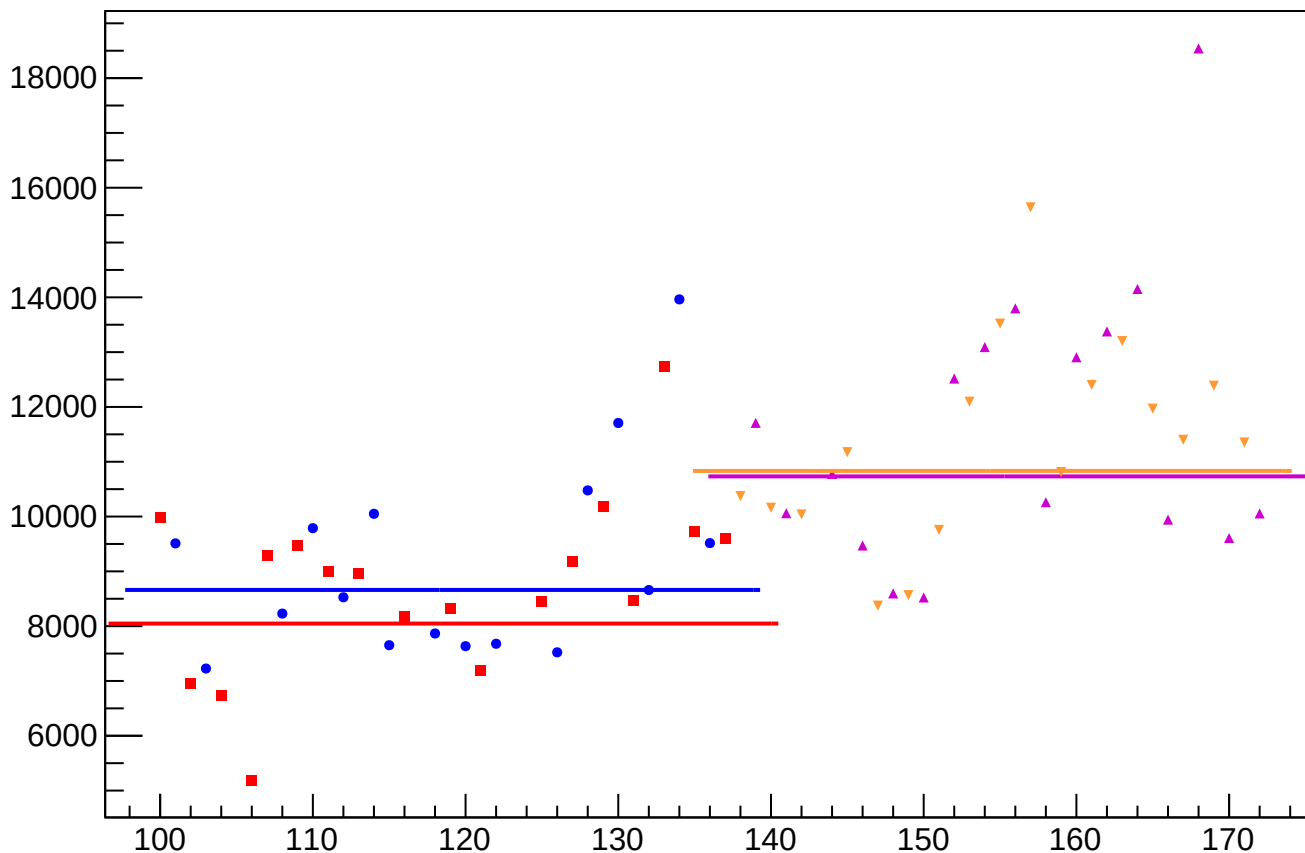
Left In: -1047.179 ± 2925.664 $\chi^2/\text{NDF}: 11.1/16$

+ sign -451.430 ± 2216.736 $\chi^2/\text{NDF}: 37.7/32$

All: -544.272 ± 1526.993 $\chi^2/\text{NDF}: 64.5/67$

- sign -628.108 ± 2106.468 $\chi^2/\text{NDF}: 26.8/34$

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8660.733+/-2.313 χ^2/NDF : 357961.9/15

Left Out: 10832.632+/-2.131 χ^2/NDF : 654810.3/16

Right Out: 8047.460+/-2.146 χ^2/NDF : 558559.6/17

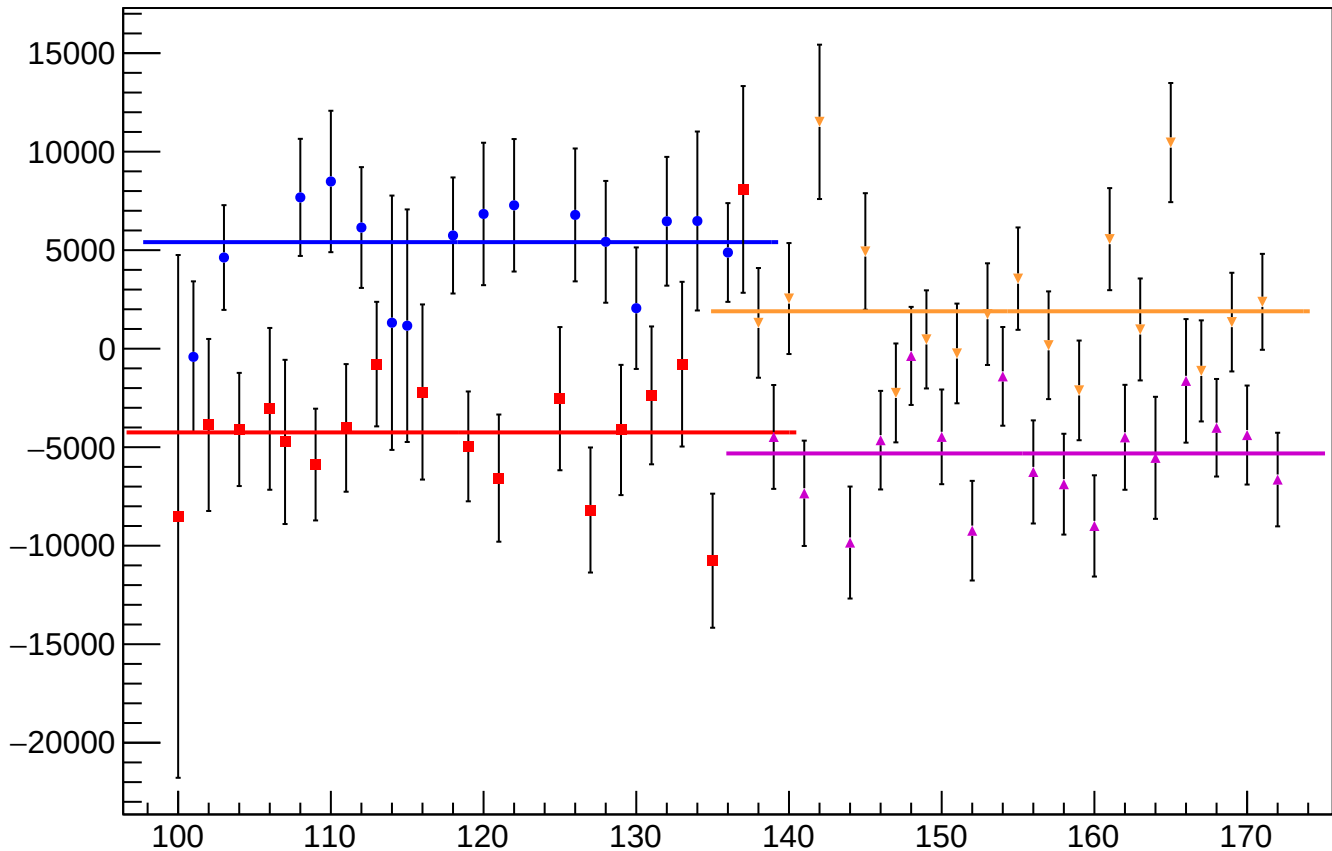
Left In: 10732.792+/-2.069 χ^2/NDF : 972292.7/16

+ sign 9835.603+/-1.567 χ^2/NDF : 1489532.0/32

All: 9627.467+/-1.080 χ^2/NDF : 3865399.0/67

- sign 9439.523+/-1.489 χ^2/NDF : 2342313.9/34

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5407.869 ± 833.688 χ^2/NDF : 6.7/15

Left Out: 1898.108 ± 647.271 χ^2/NDF : 25.9/16

Right Out: -4249.903 ± 839.335 χ^2/NDF : 14.5/17

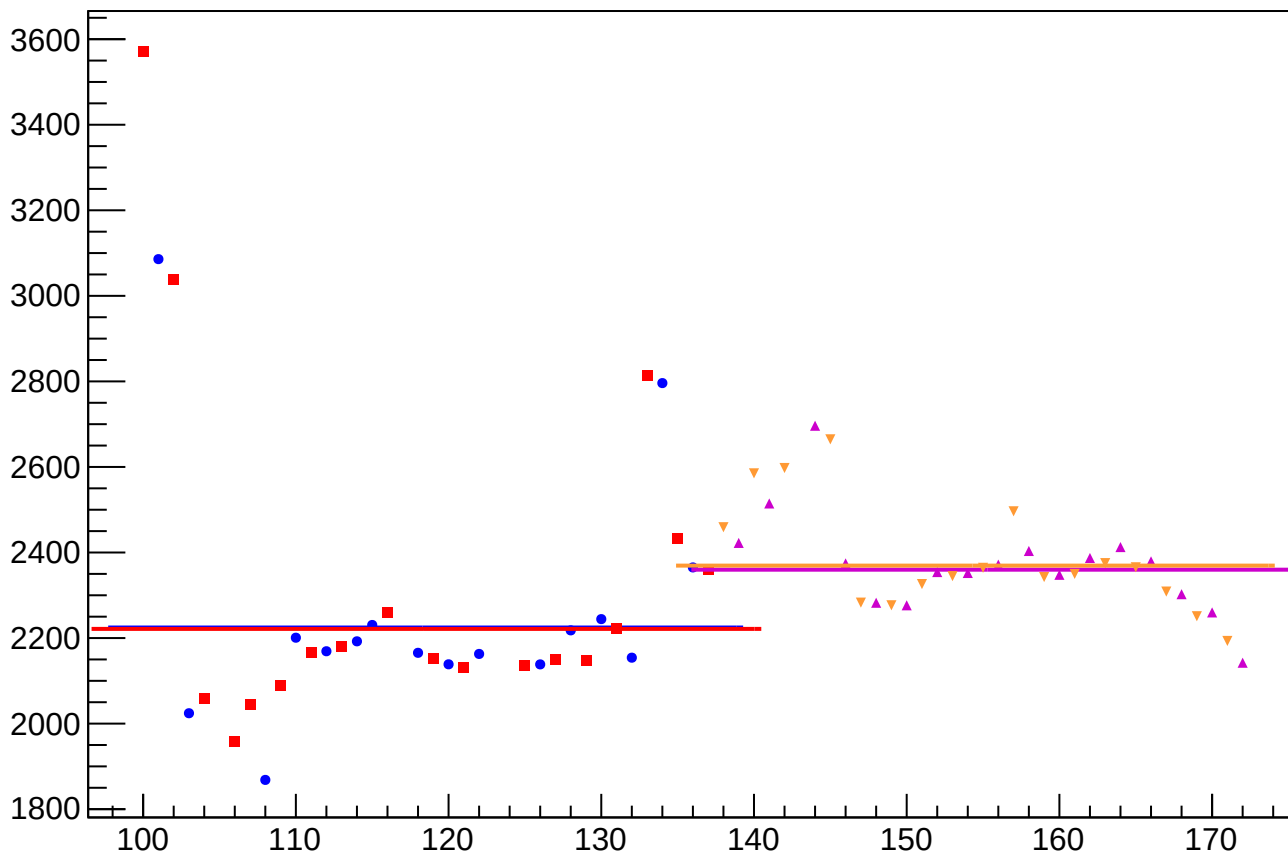
Left In: -5317.052 ± 630.767 χ^2/NDF : 17.0/16

+ sign 3218.084 ± 511.267 χ^2/NDF : 43.7/32

All: -913.231 ± 359.013 χ^2/NDF : 204.9/67

- sign -4931.890 ± 504.248 χ^2/NDF : 32.5/34

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

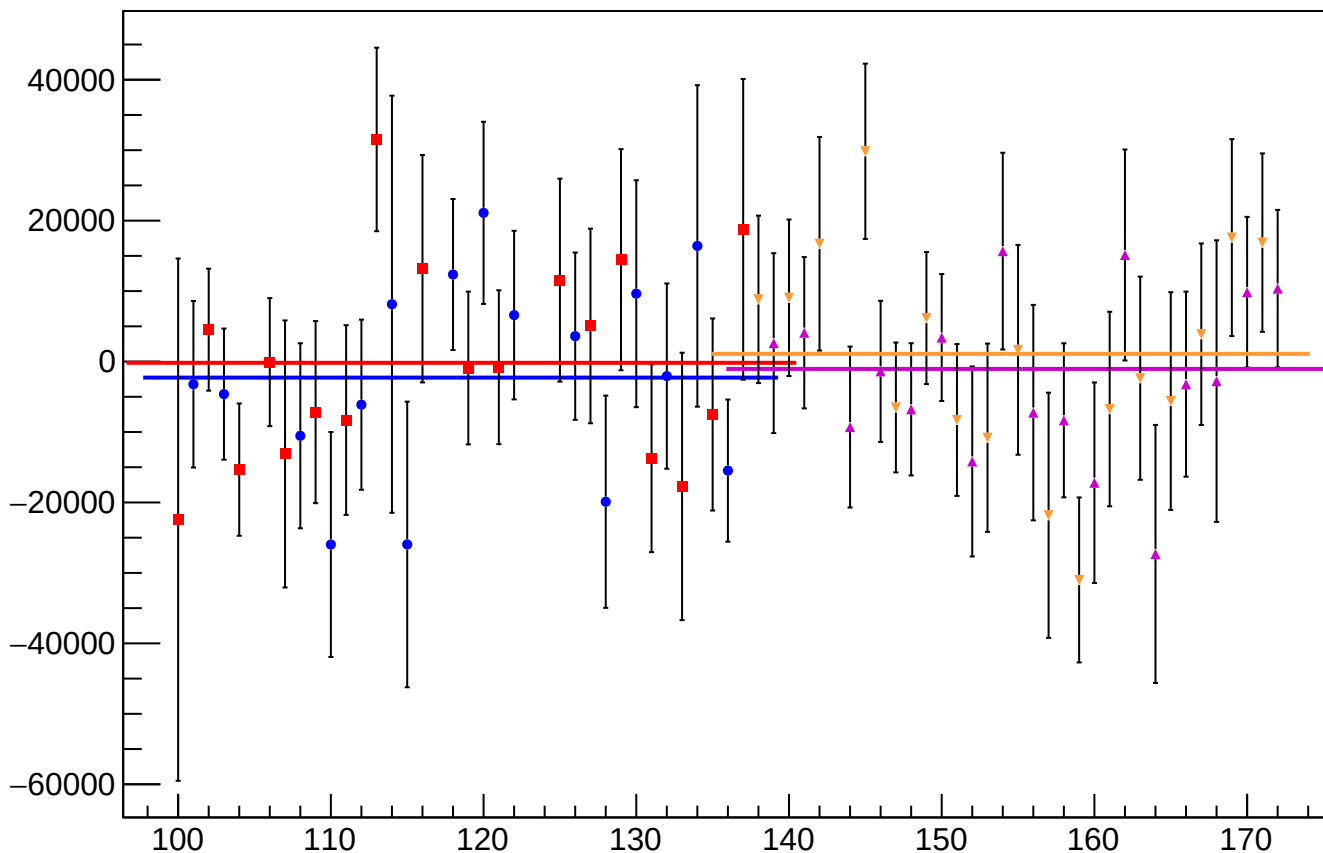
Left In: 2359.835+/-0.446 χ^2/NDF : 62833.8/16

+ sign 2314.926+/-0.362 χ^2/NDF : 289425.3/32

All: 2312.347+/-0.254 χ^2/NDF : 557088.5/67

- sign 2309.840+/-0.356 χ^2/NDF : 267562.9/34

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -2278.418 ± 3271.742 $\chi^2/\text{NDF}: 14.5/15$

Left Out: 1099.015 ± 3013.974 $\chi^2/\text{NDF}: 22.7/16$

Right Out: -177.029 ± 3035.348 $\chi^2/\text{NDF}: 15.6/17$

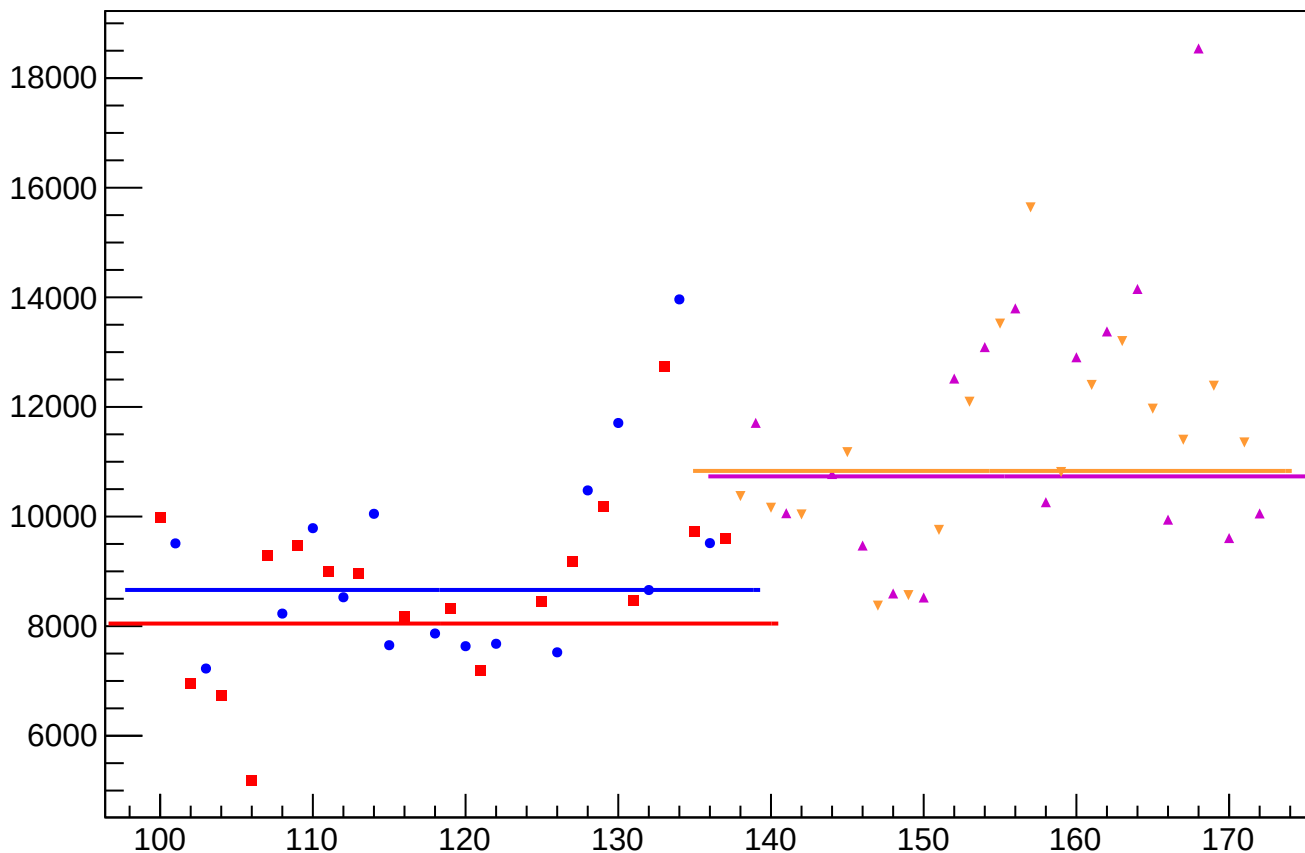
Left In: -1047.178 ± 2925.668 $\chi^2/\text{NDF}: 11.1/16$

+ sign -451.430 ± 2216.736 $\chi^2/\text{NDF}: 37.7/32$

All: -544.273 ± 1526.992 $\chi^2/\text{NDF}: 64.5/67$

- sign -628.108 ± 2106.468 $\chi^2/\text{NDF}: 26.8/34$

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8660.711 $\pm$ 2.313 χ^2 /NDF: 357964.1/15

Left Out: 10832.648 $\pm$ 2.131 χ^2 /NDF: 654812.2/16

Right Out: 8047.442 $\pm$ 2.146 χ^2 /NDF: 558557.8/17

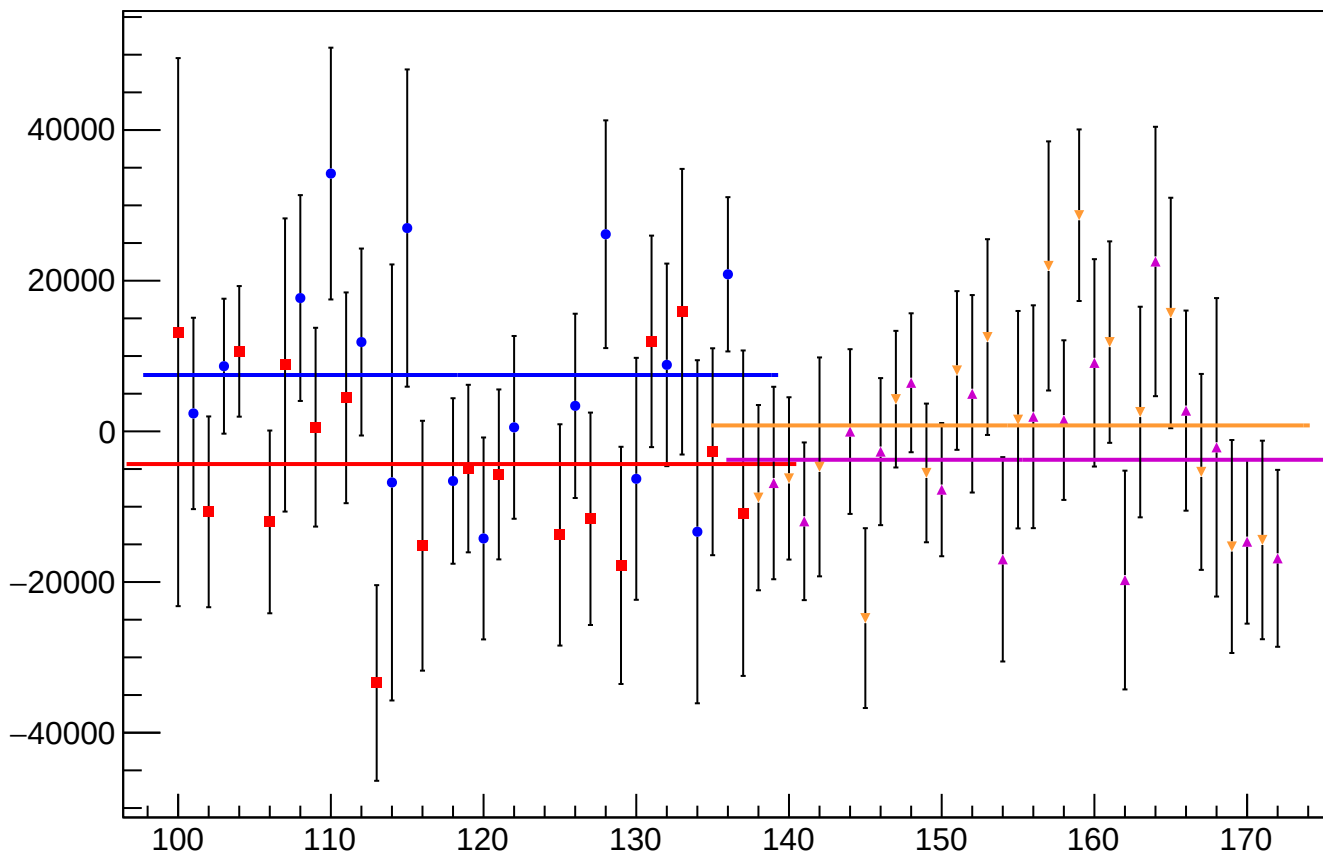
Left In: 10732.808 $\pm$ 2.069 χ^2 /NDF: 972294.6/16

+ sign 9835.598 $\pm$ 1.567 χ^2 /NDF: 1489553.1/32

All: 9627.462 $\pm$ 1.080 χ^2 /NDF: 3865441.3/67

- sign 9439.518 $\pm$ 1.489 χ^2 /NDF: 2342335.1/34

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7481.770 $\pm$ 3330.915 χ^2 /NDF: 14.0/15

Left Out: 789.411 $\pm$ 2965.446 χ^2 /NDF:19.8/16

Right Out: -4338.165 $\pm$ 3242.620 χ^2 /NDF: 14.3/17

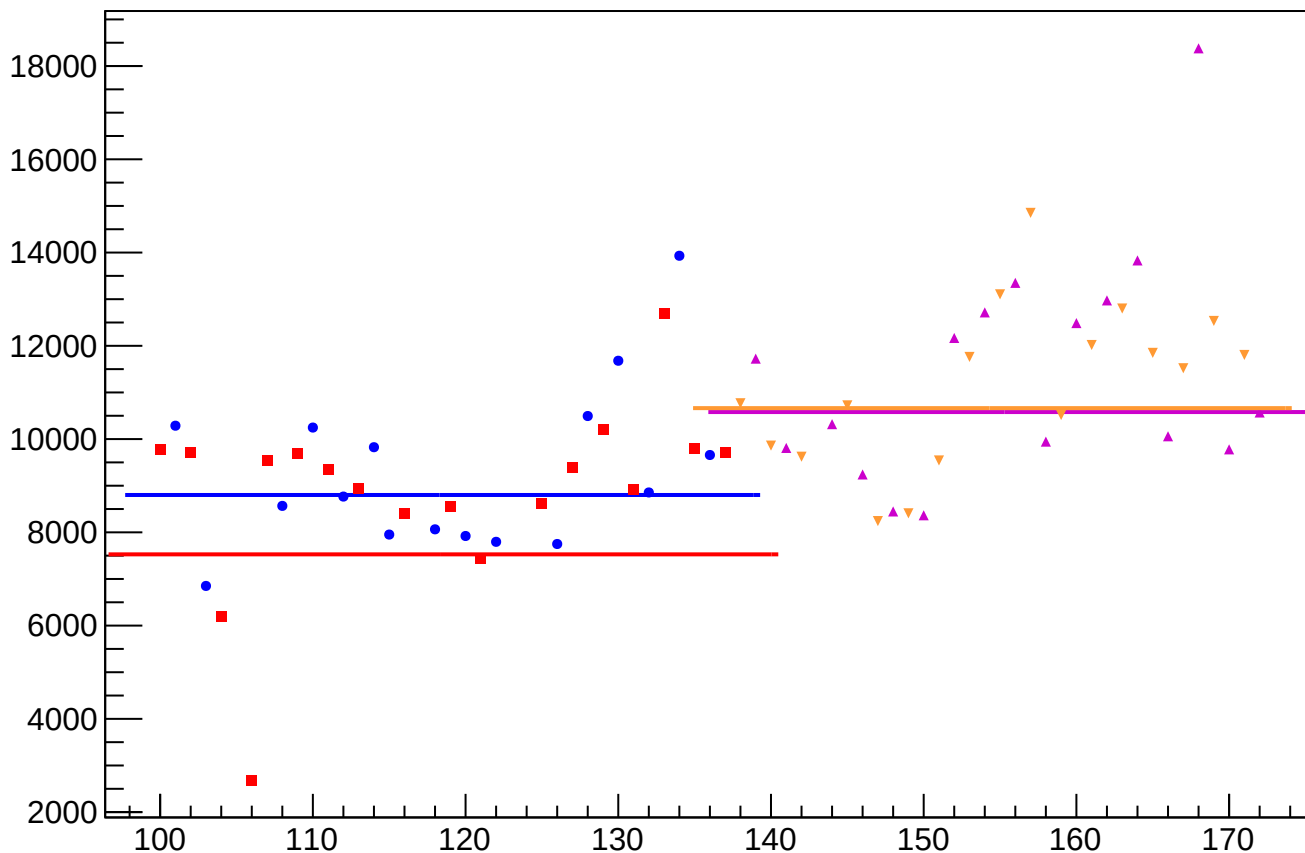
Left In: -3771.361 $\pm$ 2881.081 χ^2 /NDF:10.8/16

+ sign 3748.440 $\pm$ 2214.872 χ^2 /NDF: 36.1/32

All: -245.160 $\pm$ 1544.091 χ^2 /NDF: 67.5/67

- sign -4021.416 $\pm$ 2153.758 χ^2 /NDF: 25.1/34

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

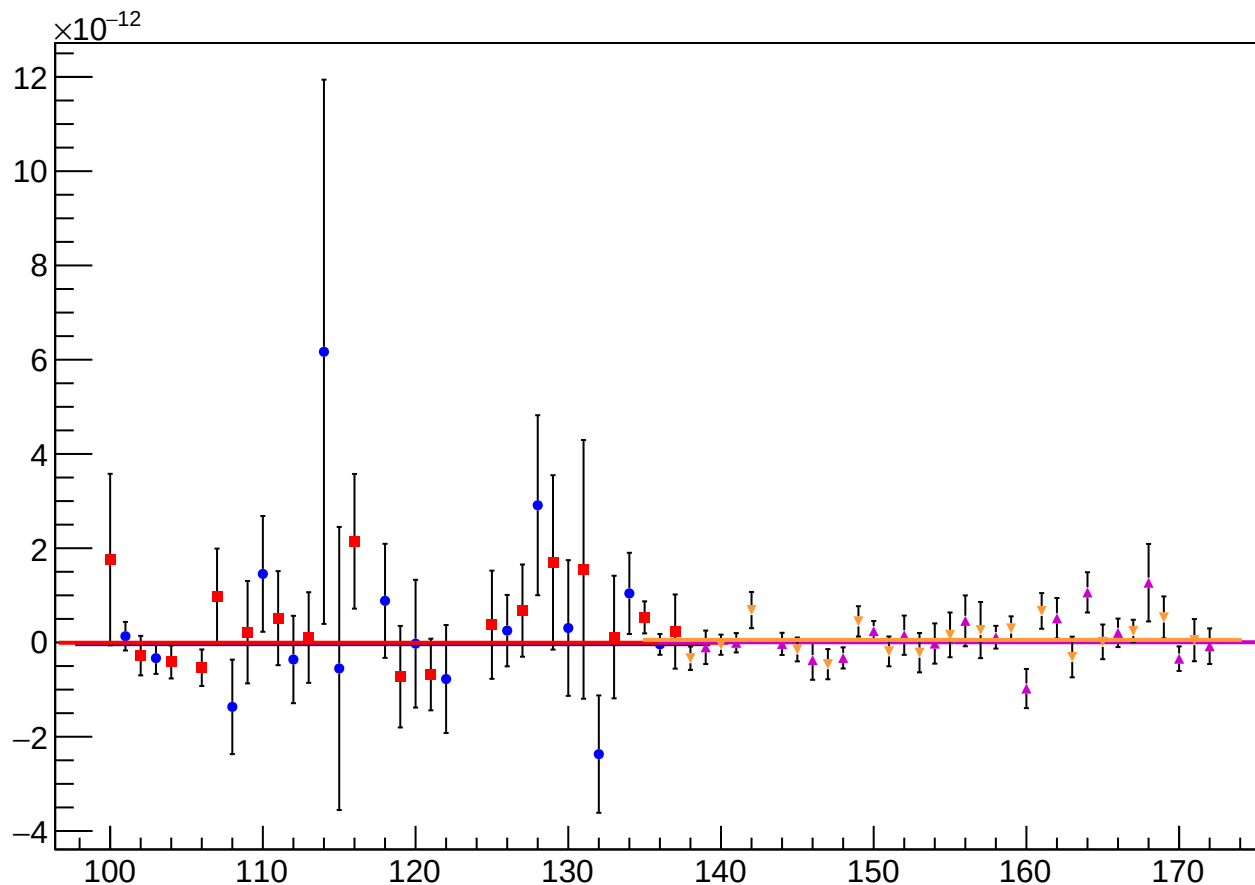
Left In: 10579.553+/-2.037 χ^2/NDF : 937162.6/16

+ sign 9840.107+/-1.566 χ^2/NDF : 1388490.8/32

All: 9457.888+/-1.072 χ^2/NDF : 5168045.1/67

- sign 9120.381+/-1.472 χ^2/NDF : 3667399.6/34

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2 /NDF:17.3/16

Right Out: -0.000+/-0.000 χ^2 /NDF: 13.7/17

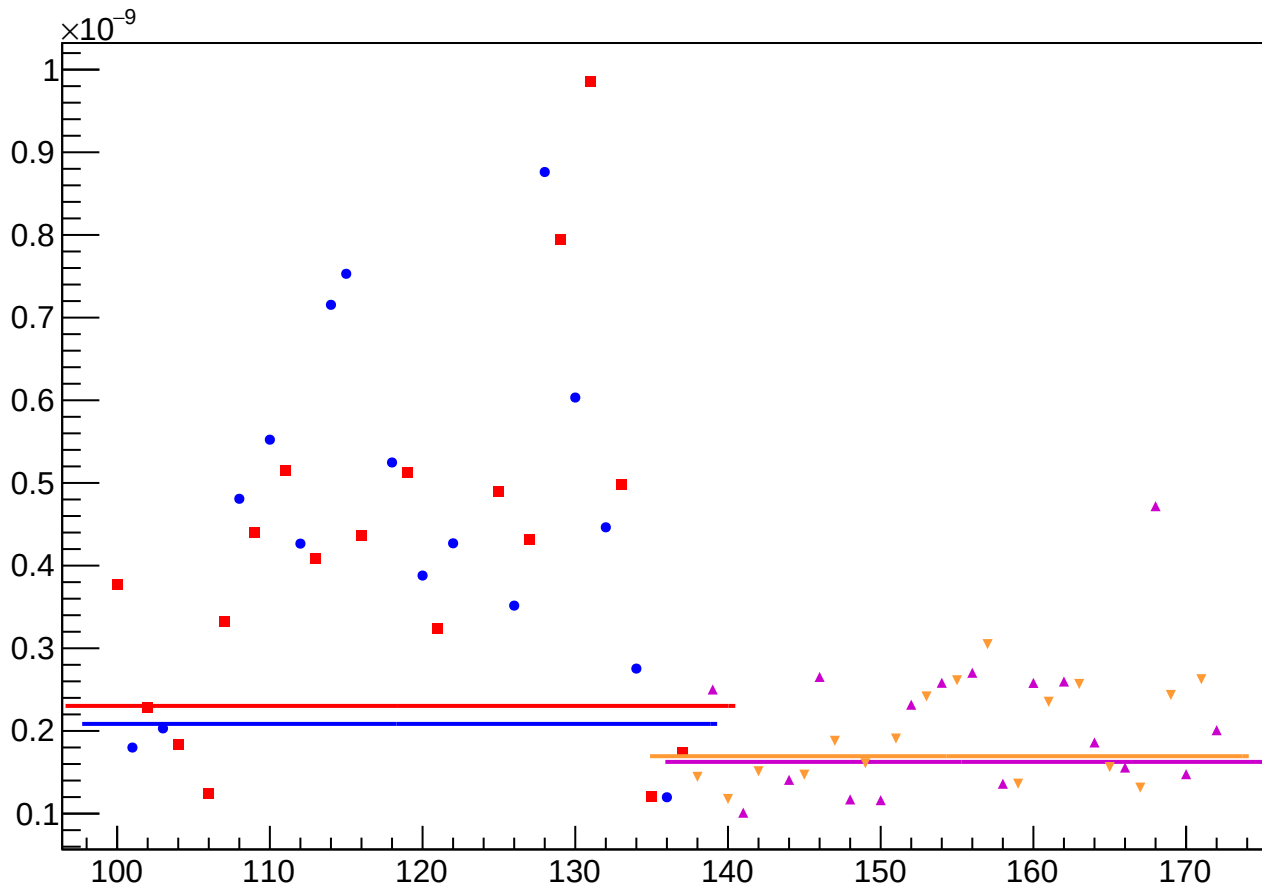
Left In: 0.000+/-0.000 χ^2 /NDF:23.1/16

+ sign 0.000+/-0.000 χ^2 /NDF: 31.9/32

All: 0.000+/-0.000 χ^2 /NDF: 68.9/67

- sign 0.000+/-0.000 χ^2 /NDF: 36.8/34

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



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

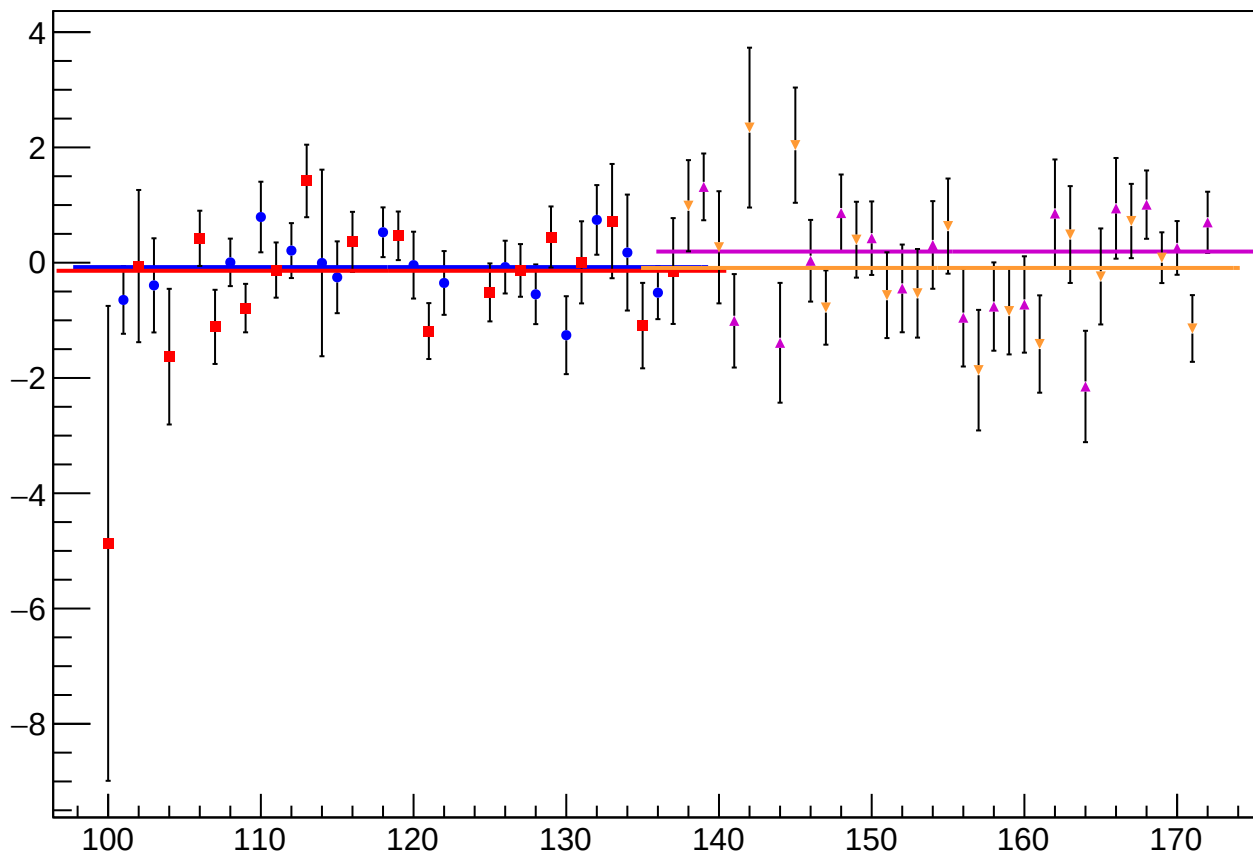
Left In: 0.000+/-0.000 χ^2/NDF : 1398250.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 2533755.1/32

All: 0.000+/-0.000 χ^2/NDF : 5801410.2/67

- sign 0.000+/-0.000 χ^2/NDF : 3265141.6/34

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



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

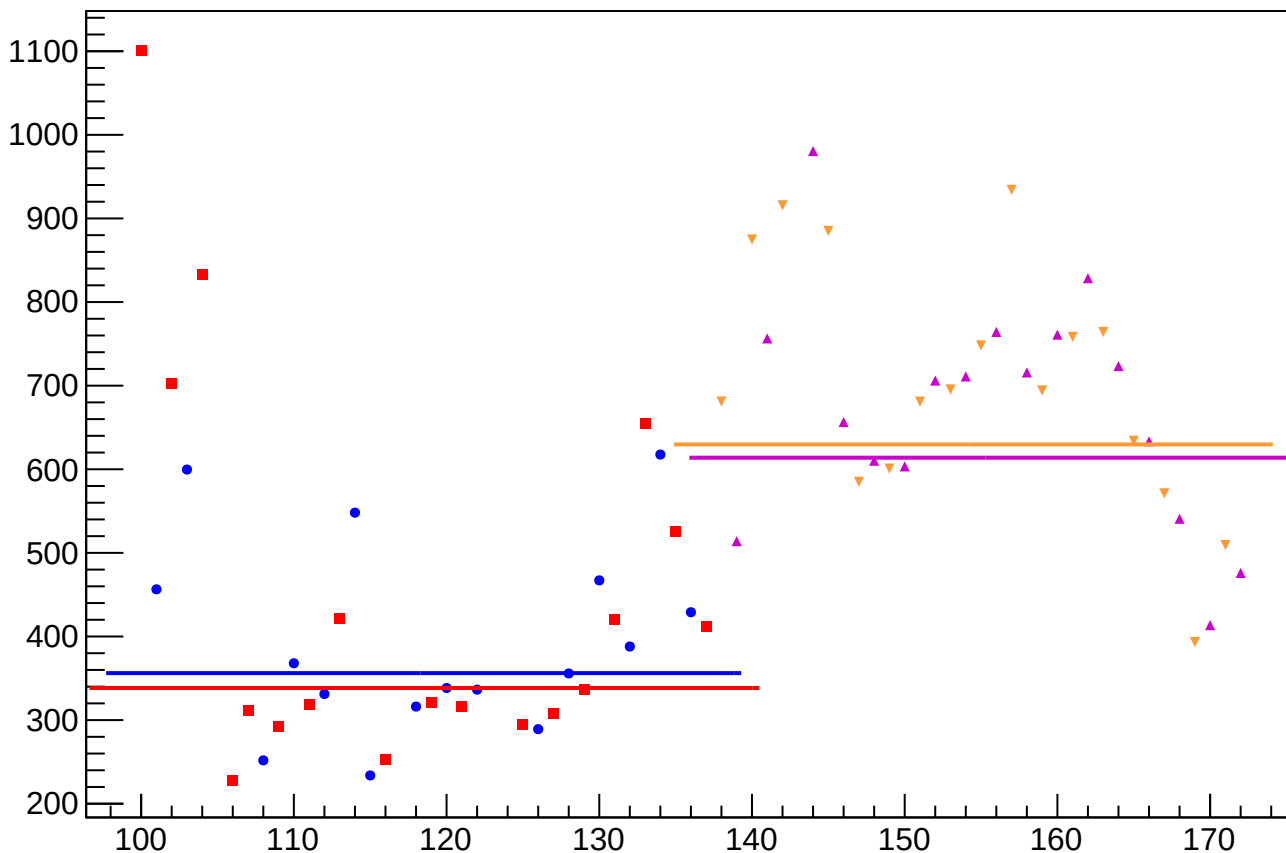
Left In: 0.193 ± 0.170 χ^2/NDF : 24.7/16

+ sign -0.082 ± 0.110 χ^2/NDF : 37.2/32

All: -0.044 ± 0.077 χ^2/NDF : 91.4/67

- sign -0.008 ± 0.107 χ^2/NDF : 54.0/34

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



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

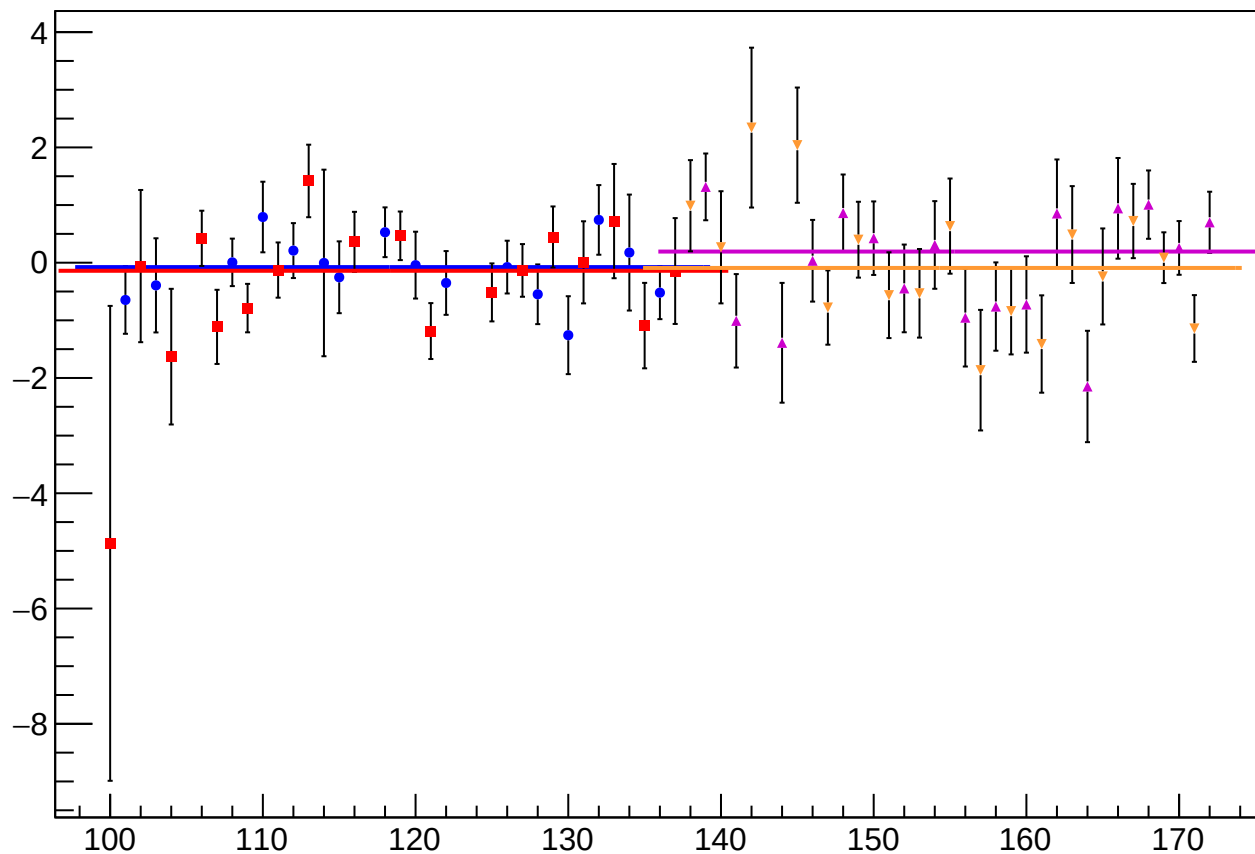
Left In: 613.846+/-0.120 χ^2/NDF :1267440.5/16

+ sign 460.202+/-0.078 χ^2/NDF : 5083396.4/32

All: 453.844+/-0.054 χ^2/NDF : 10733506.7/67

- sign 447.830+/-0.076 χ^2/NDF : 5637140.7/34

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

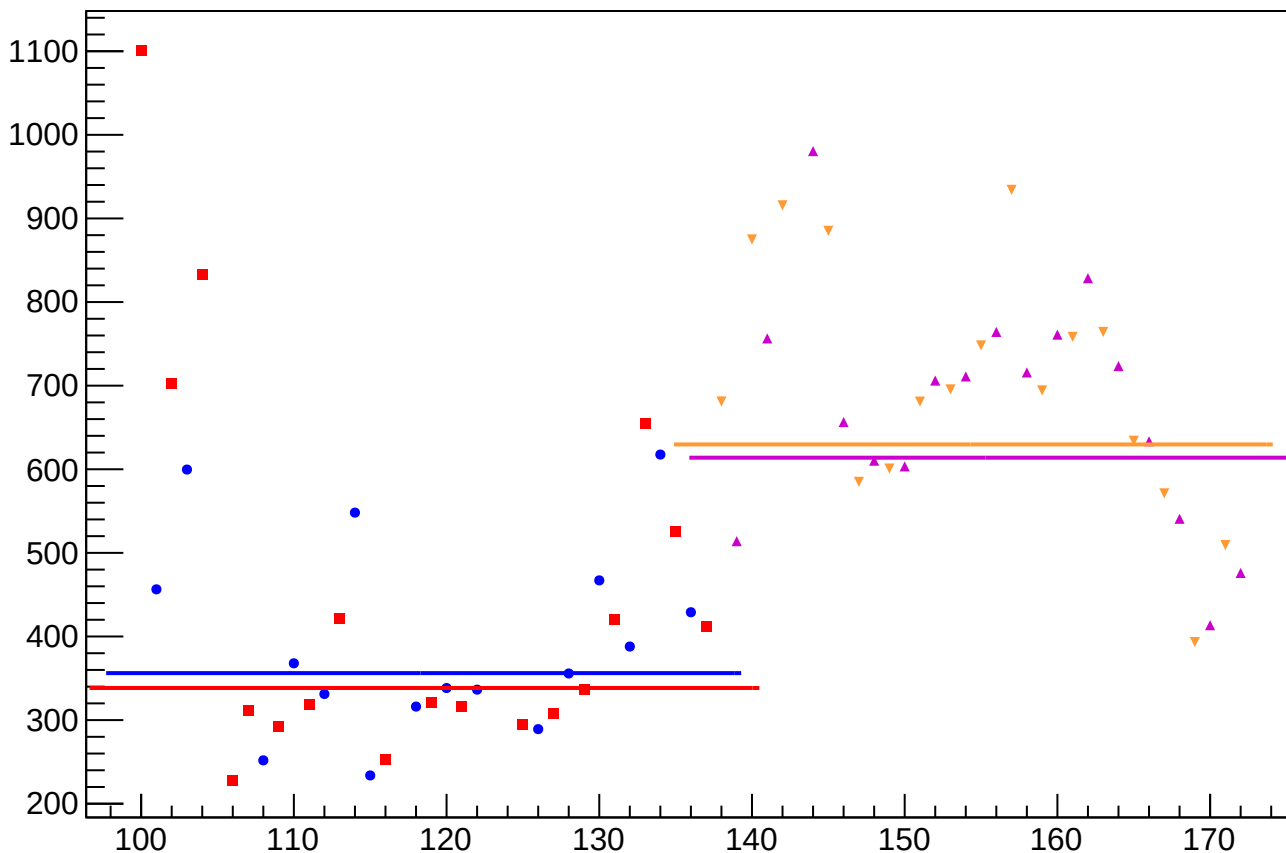
Left In: 0.193 ± 0.170 χ^2/NDF : 24.7/16

+ sign -0.082 ± 0.110 χ^2/NDF : 37.2/32

All: -0.044 ± 0.077 χ^2/NDF : 91.4/67

- sign -0.008 ± 0.107 χ^2/NDF : 54.0/34

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



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

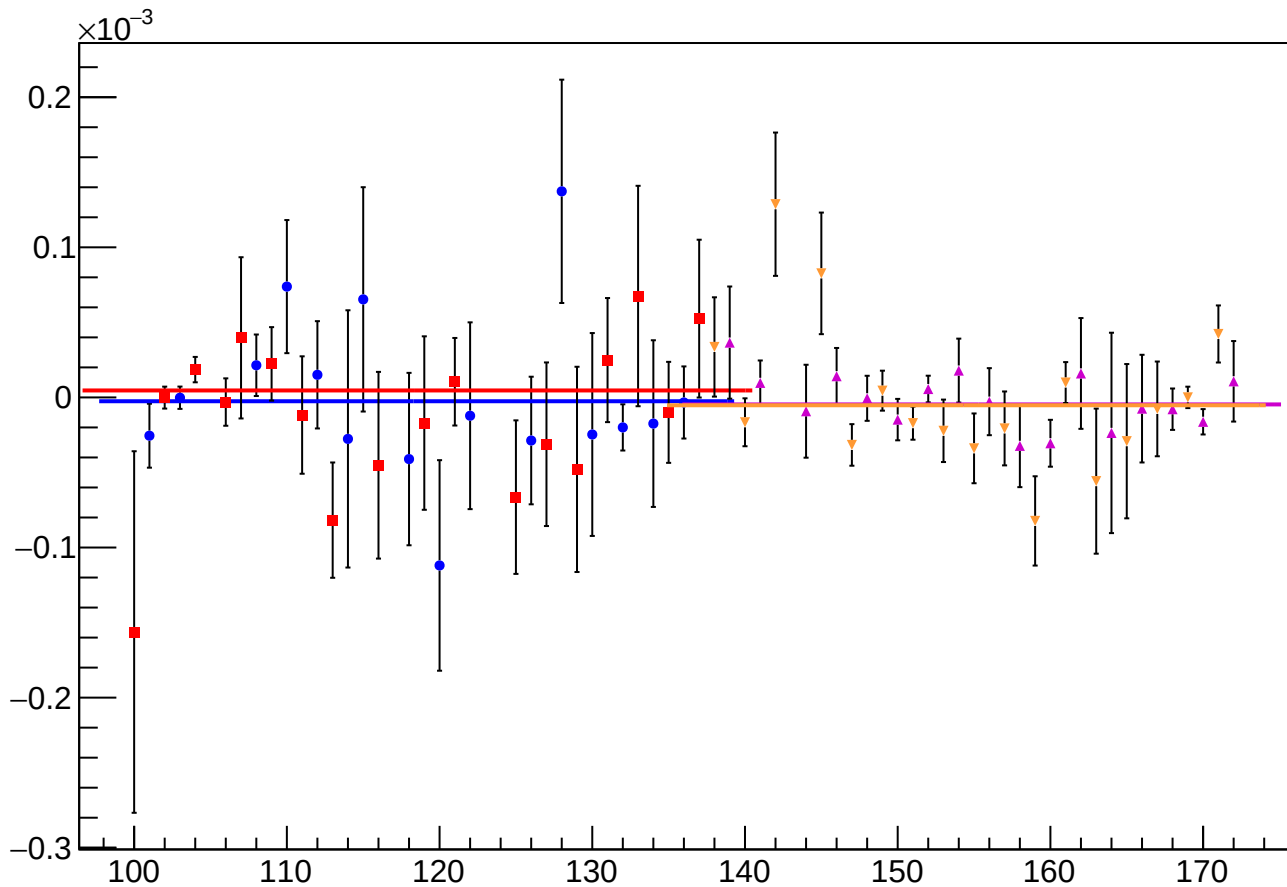
Left In: 613.846+/-0.120 χ^2/NDF :1267440.5/16

+ sign 460.202+/-0.078 χ^2/NDF : 5083396.4/32

All: 453.844+/-0.054 χ^2/NDF : 10733506.7/67

- sign 447.830+/-0.076 χ^2/NDF : 5637140.7/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 38.4/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.1/17

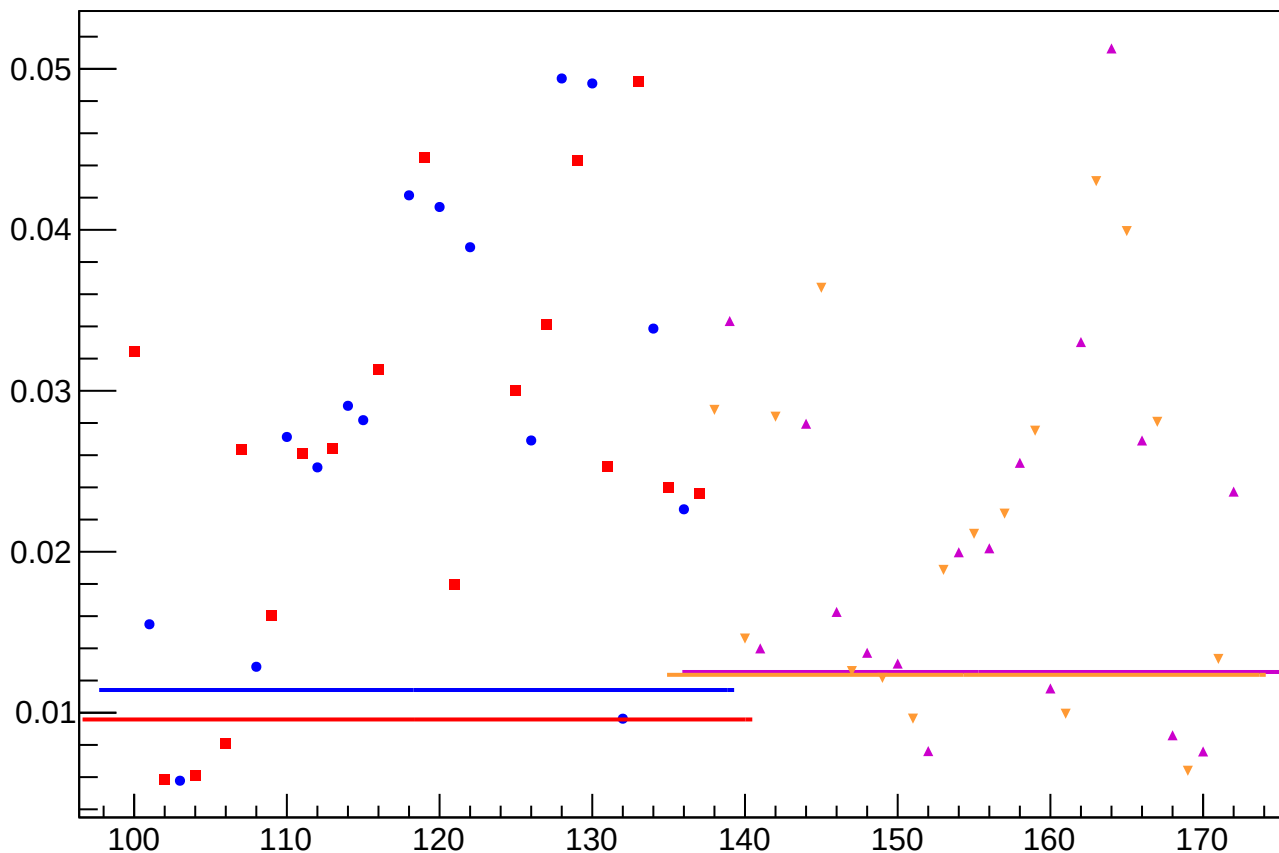
Left In: -0.000 ± 0.000 χ^2/NDF : 12.7/16

+ sign -0.000 ± 0.000 χ^2/NDF : 53.6/32

All: -0.000 ± 0.000 χ^2/NDF : 86.3/67

- sign -0.000 ± 0.000 χ^2/NDF : 32.0/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 5500651.2/15

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 6262438.4/16

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 5787700.4/17

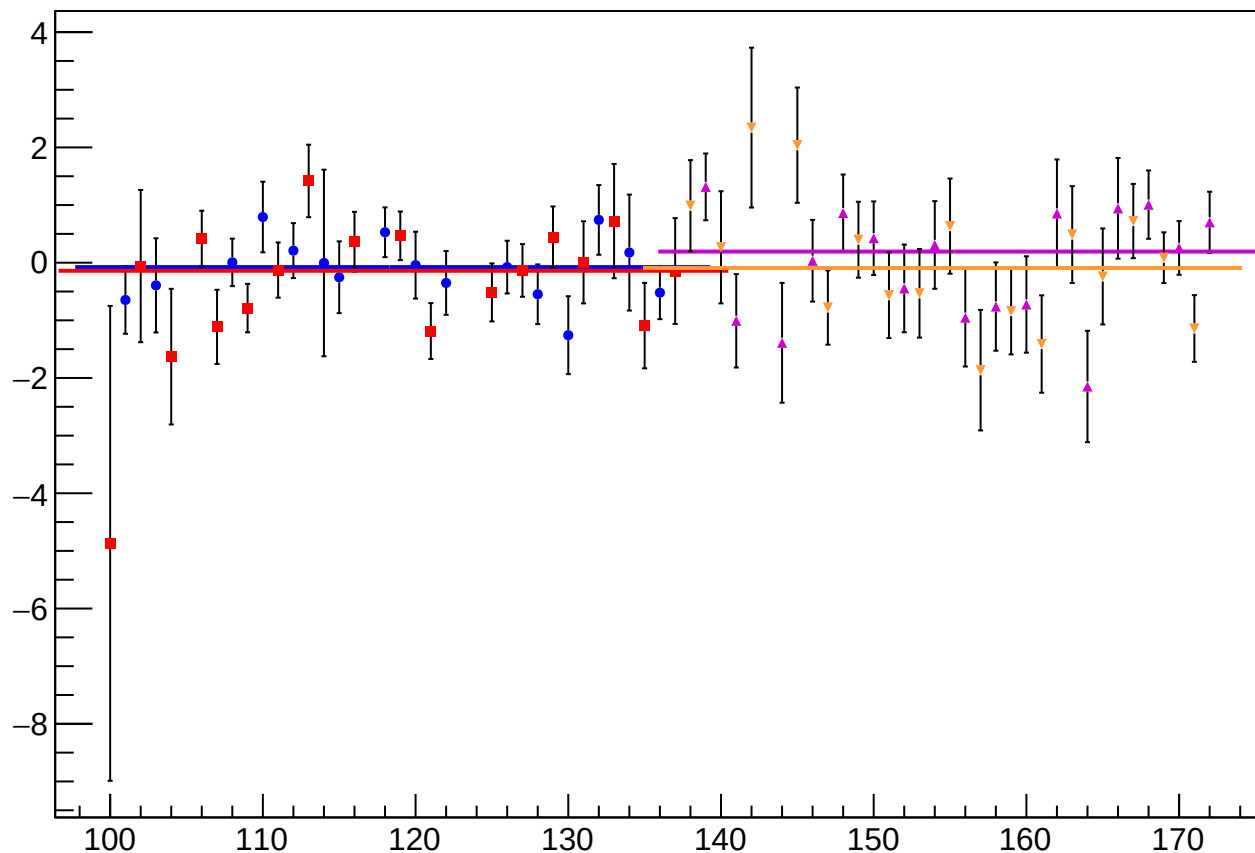
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 5646565.7/16

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 11800806.3/32

All: 0.012 $\pm$ 0.000 χ^2/NDF : 23744544.1/67

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 11891578.7/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

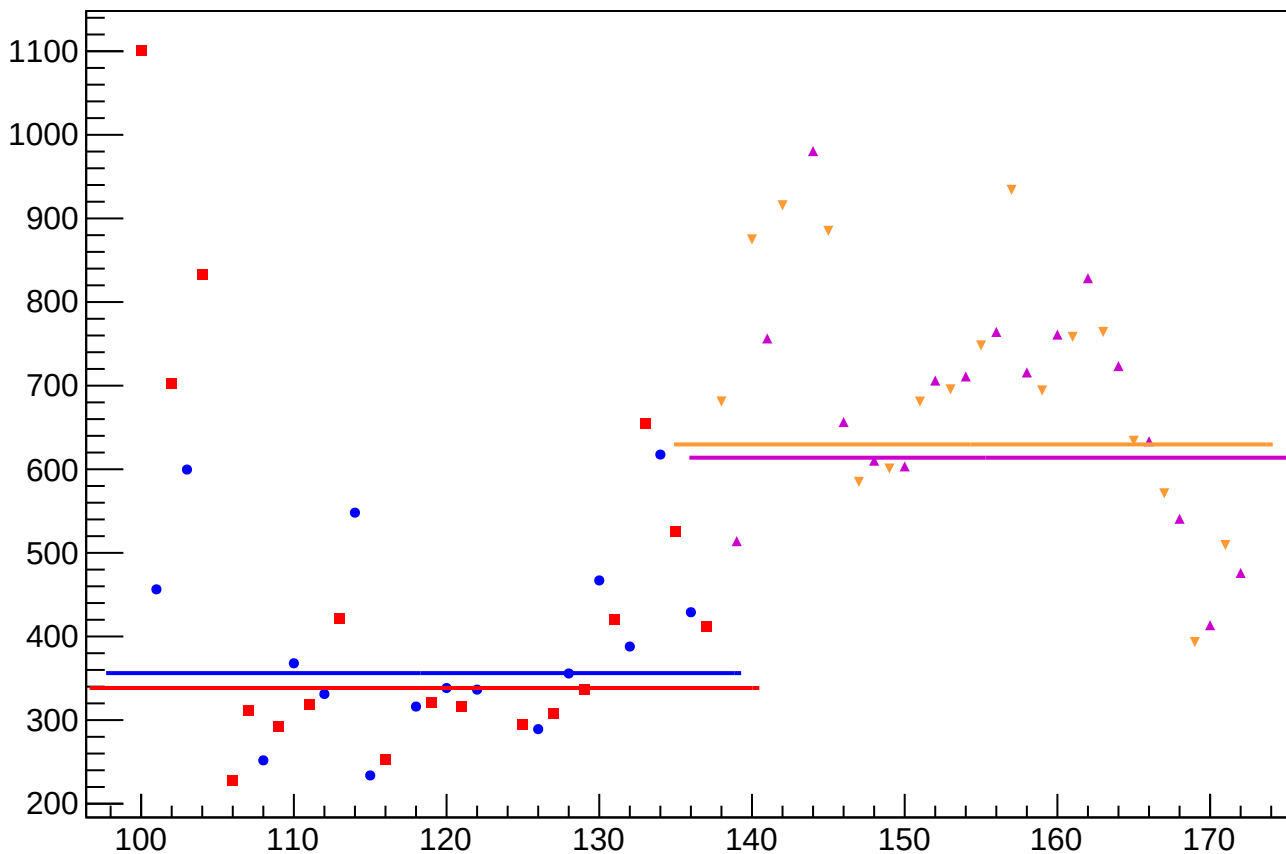
Left In: 0.193 ± 0.170 χ^2/NDF : 24.7/16

+ sign -0.082 ± 0.110 χ^2/NDF : 37.2/32

All: -0.044 ± 0.077 χ^2/NDF : 91.4/67

- sign -0.008 ± 0.107 χ^2/NDF : 54.0/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

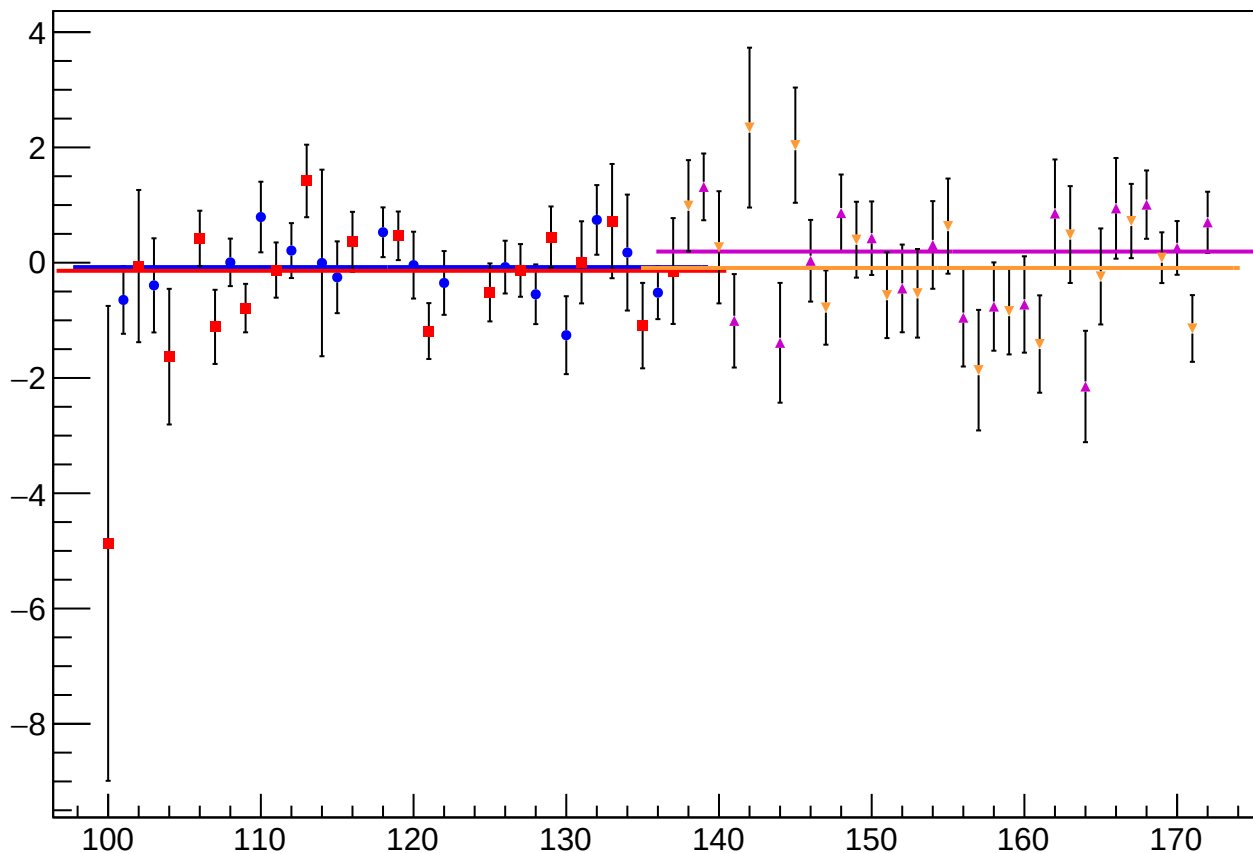
Left In: 613.850+/-0.120 χ^2/NDF :1267532.9/16

+ sign 460.201+/-0.078 χ^2/NDF : 5083564.1/32

All: 453.843+/-0.054 χ^2/NDF : 10733879.4/67

- sign 447.829+/-0.076 χ^2/NDF : 5637344.7/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

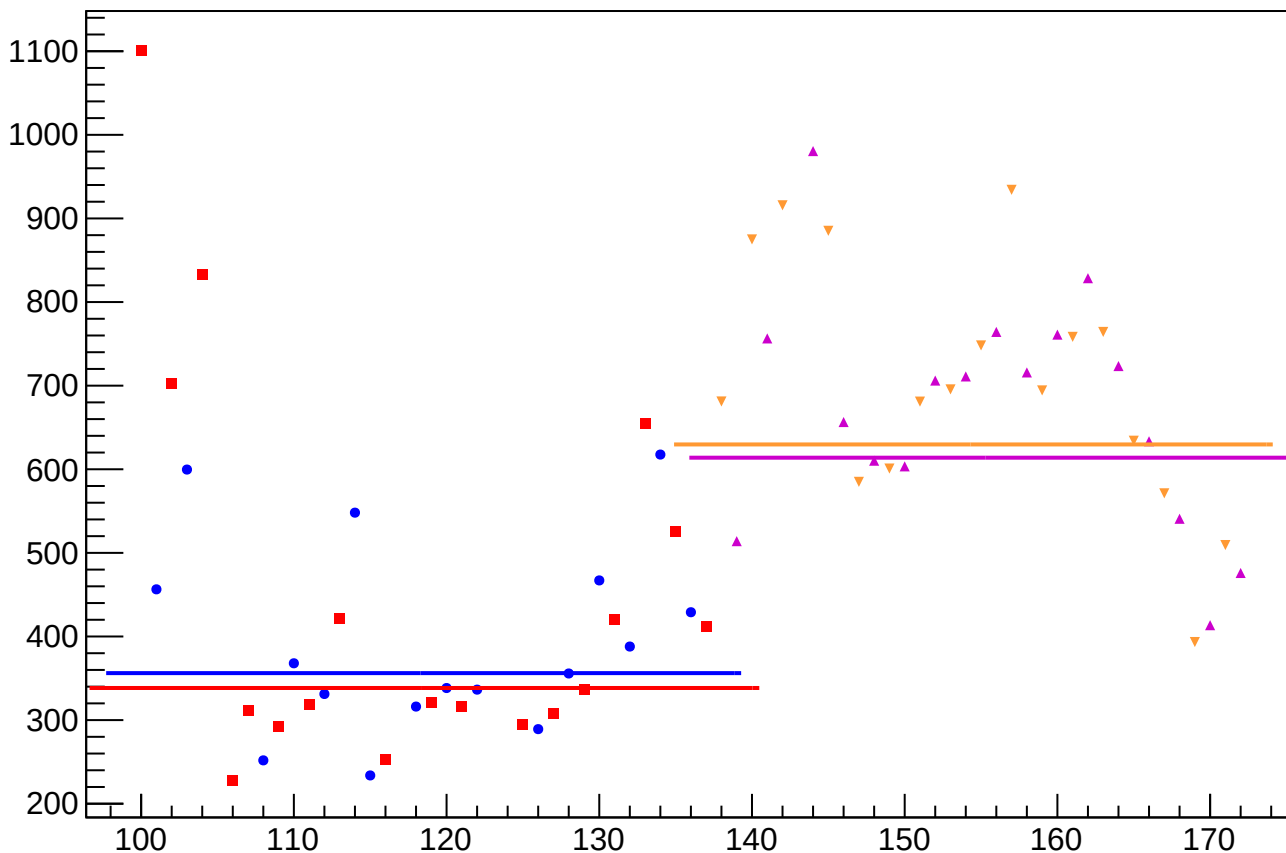
Left In: 0.193 ± 0.170 χ^2/NDF : 24.7/16

+ sign -0.082 ± 0.110 χ^2/NDF : 37.2/32

All: -0.044 ± 0.077 χ^2/NDF : 91.4/67

- sign -0.008 ± 0.107 χ^2/NDF : 54.0/34

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

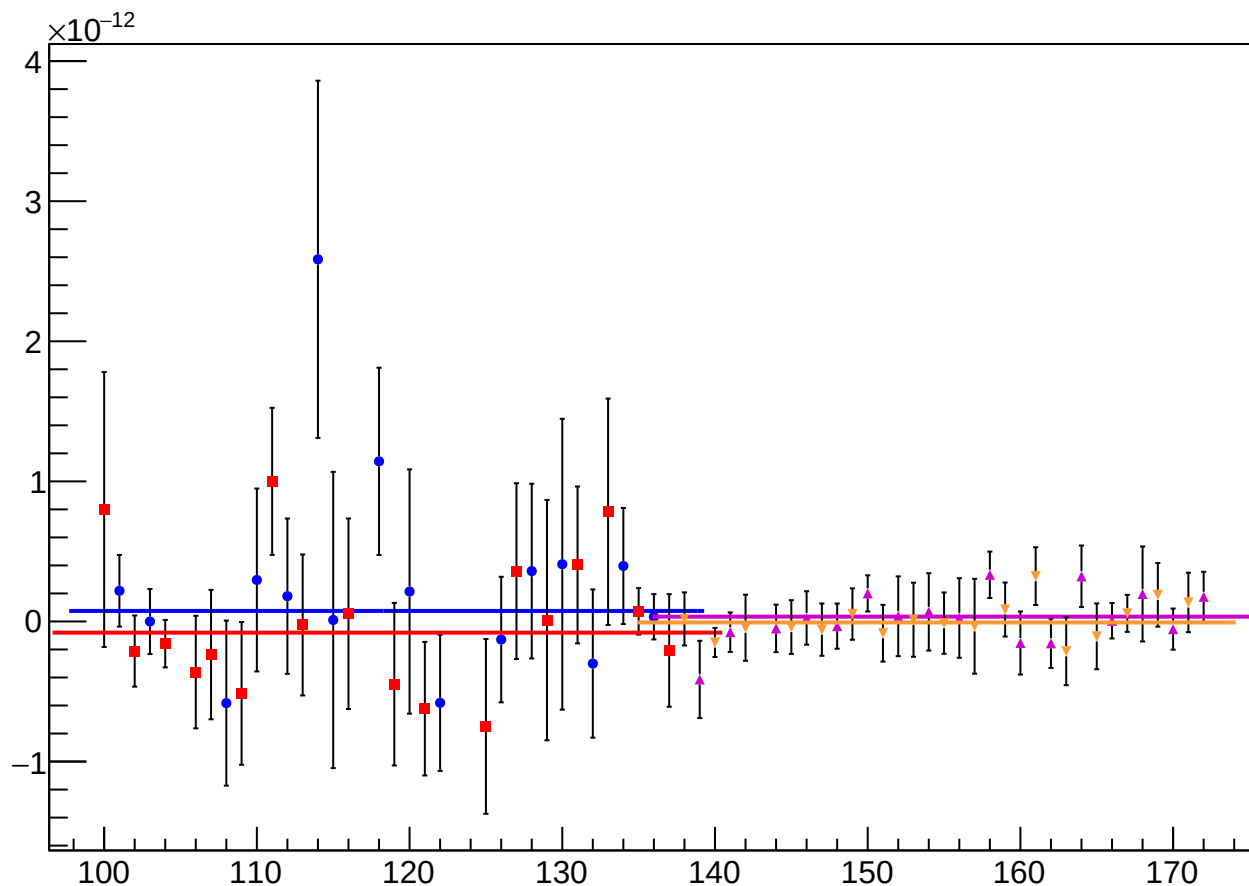
Left In: 613.850+/-0.120 χ^2/NDF :1267532.9/16

+ sign 460.201+/-0.078 χ^2/NDF : 5083564.1/32

All: 453.843+/-0.054 χ^2/NDF : 10733879.4/67

- sign 447.829+/-0.076 χ^2/NDF : 5637344.7/34

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.8/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 7.5/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/17

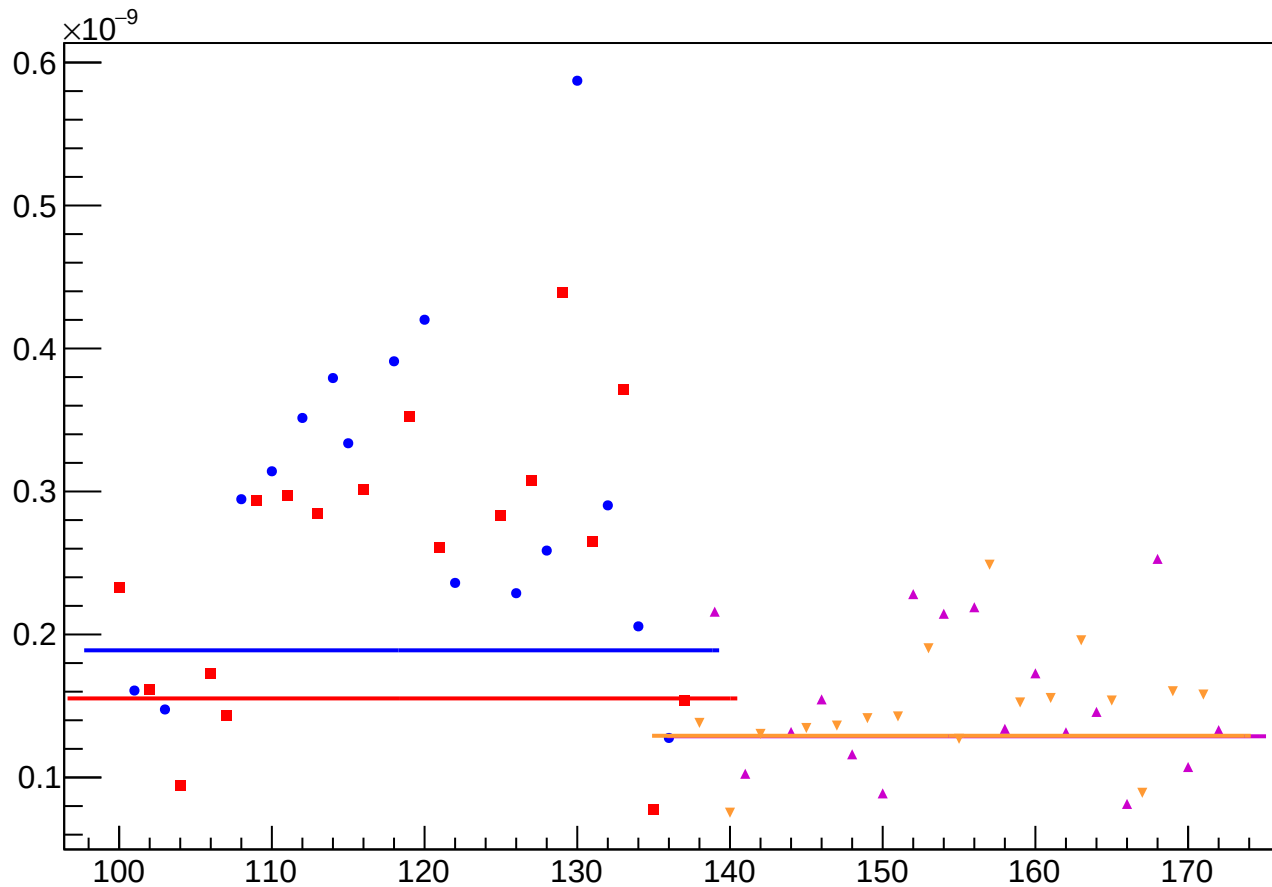
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 47.8/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.9/34

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

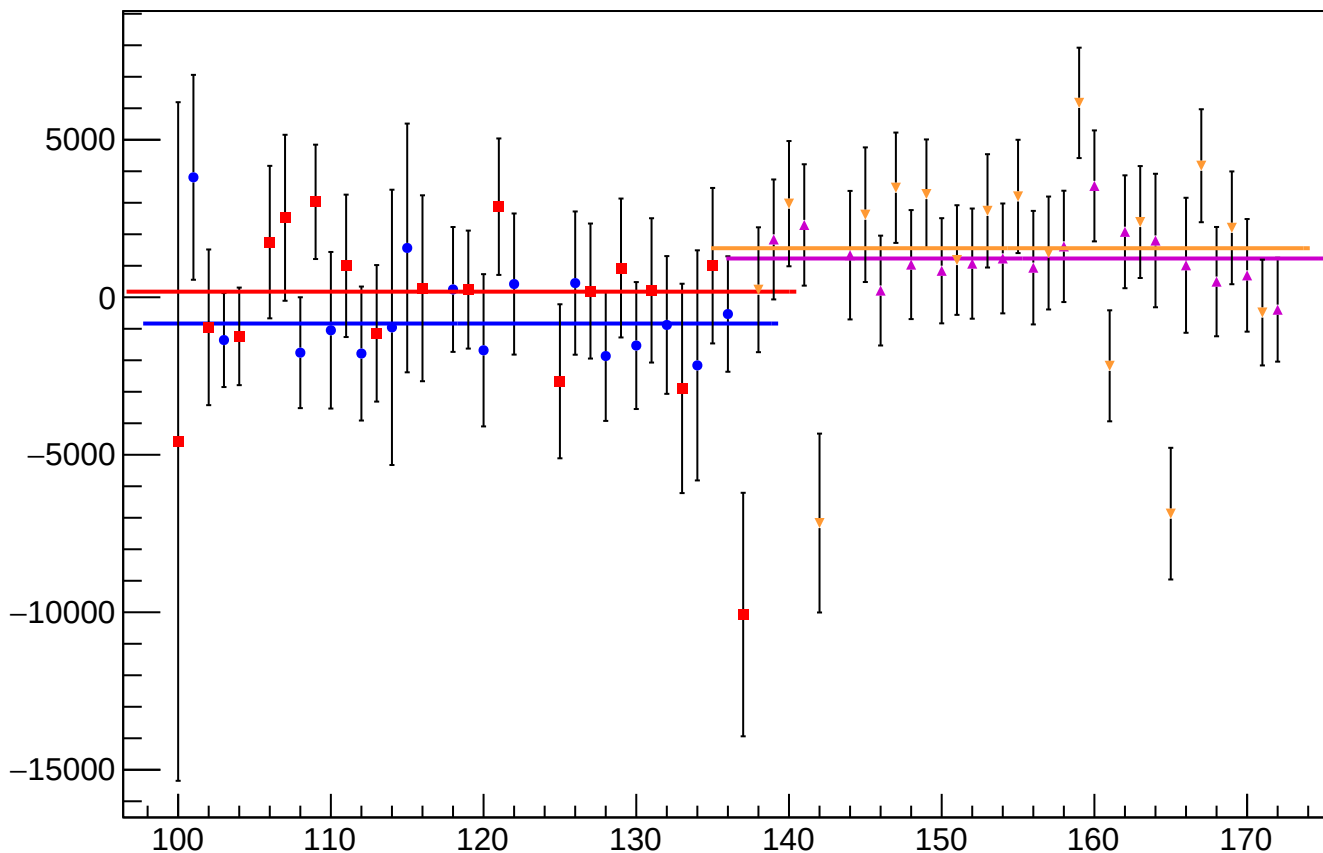
Left In: 0.000+/-0.000 χ^2/NDF : 1830146.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 3560811.2/32

All: 0.000+/-0.000 χ^2/NDF : 7764827.8/67

- sign 0.000+/-0.000 χ^2/NDF : 4182852.3/34

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

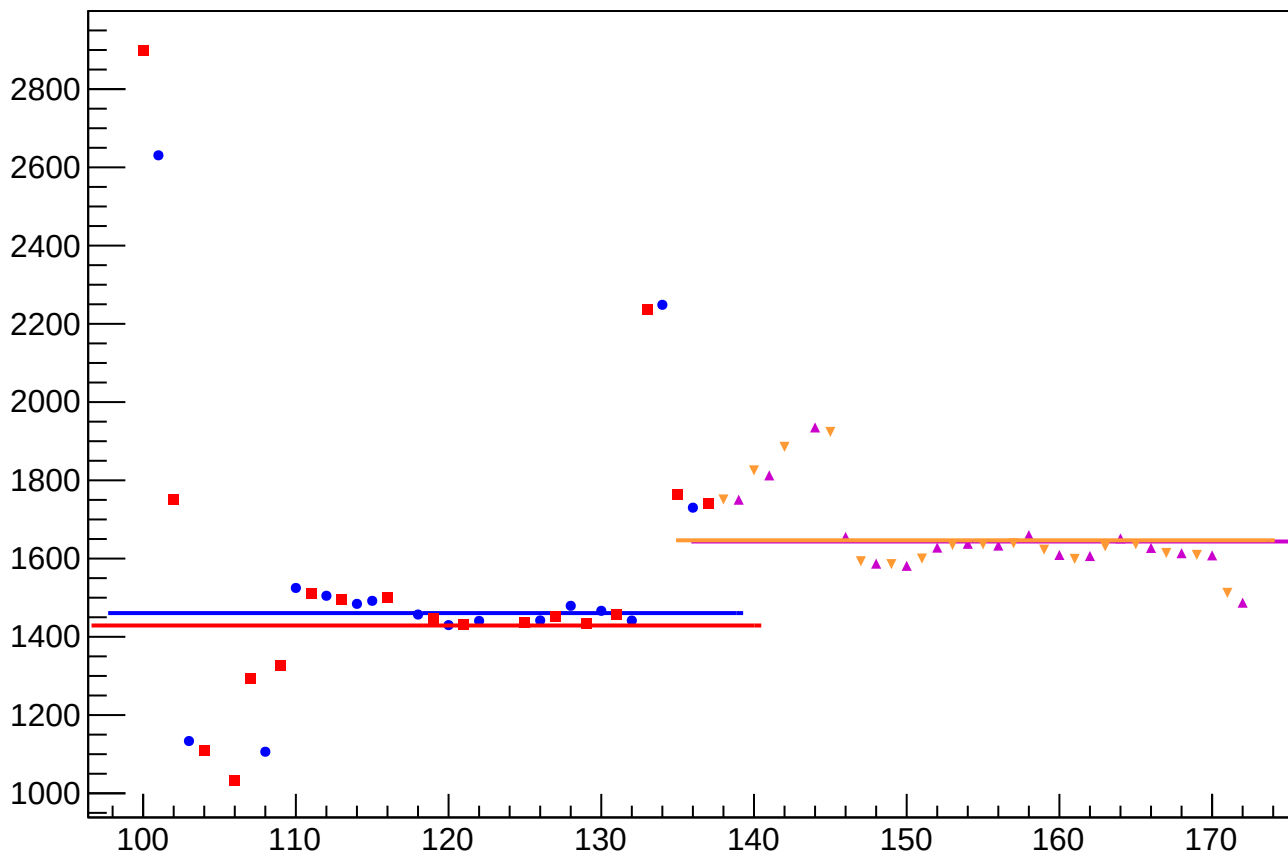
Left In: 1230.943+/-439.473 χ^2/NDF : 4.2/16

+ sign 608.908+/-349.472 χ^2/NDF : 61.6/32

All: 715.859+/-244.721 χ^2/NDF : 84.6/67

- sign 818.766+/-342.800 χ^2/NDF : 22.9/34

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653 $\pm$ 0.392 χ^2 /NDF: 575736.1/15

Left Out: 1646.675 $\pm$ 0.318 χ^2 /NDF: 91778.8/16

Right Out: 1428.940 $\pm$ 0.385 χ^2 /NDF: 411275.6/17

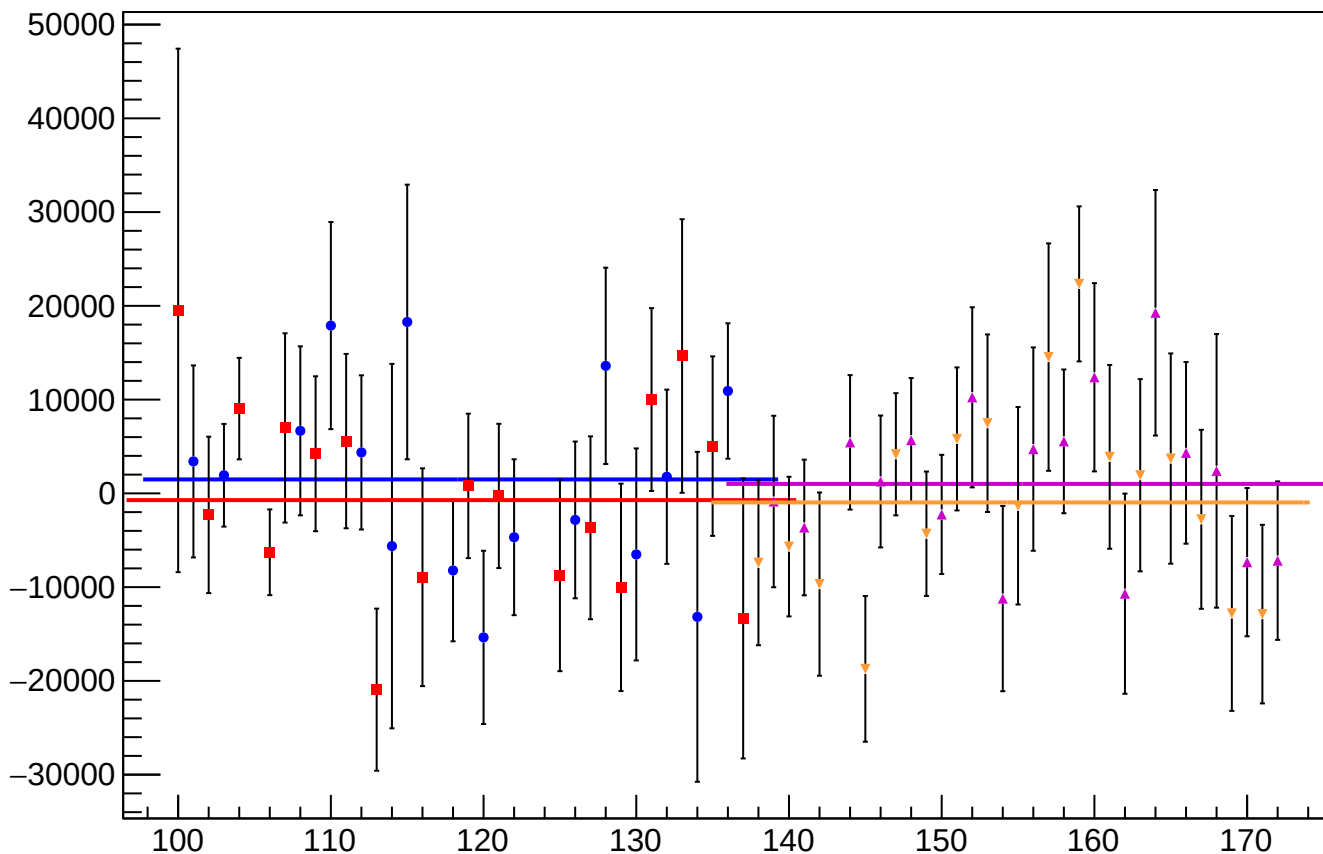
Left In: 1643.642 $\pm$ 0.311 χ^2 /NDF: 89097.0/16

+ sign 1572.874 $\pm$ 0.247 χ^2 /NDF: 803139.8/32

All: 1565.688 $\pm$ 0.173 χ^2 /NDF: 1493766.4/67

- sign 1558.814 $\pm$ 0.242 χ^2 /NDF: 688972.1/34

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1487.438 $\pm$ 2268.028 χ^2 /NDF: 14.2/15

Left Out: -965.883 $\pm$ 2121.328 χ^2 /NDF:22.4/16

Right Out: -720.166 $\pm$ 2011.559 χ^2 /NDF: 17.5/17

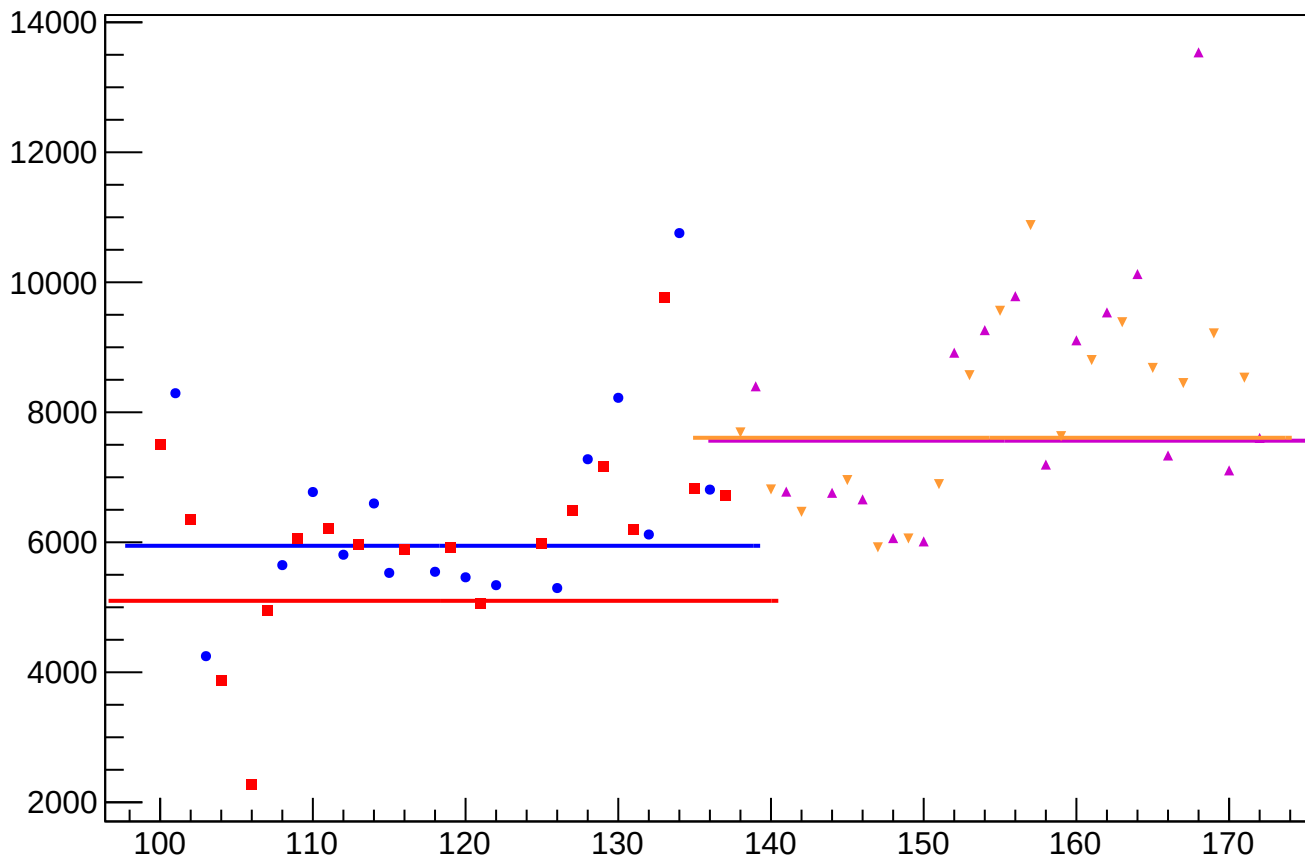
Left In: 1009.181 $\pm$ 2063.878 χ^2 /NDF:11.1/16

+ sign 178.875 $\pm$ 1549.273 χ^2 /NDF: 37.2/32

All: 148.538 $\pm$ 1054.959 χ^2 /NDF: 66.2/67

- sign 122.310 $\pm$ 1440.528 χ^2 /NDF: 29.0/34

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5946.080 $\pm$ 1.604 χ^2 /NDF: 641131.4/15

Left Out: 7607.793 $\pm$ 1.500 χ^2 /NDF: 750102.2/16

Right Out: 5099.375 $\pm$ 1.422 χ^2 /NDF: 1480367.2/17

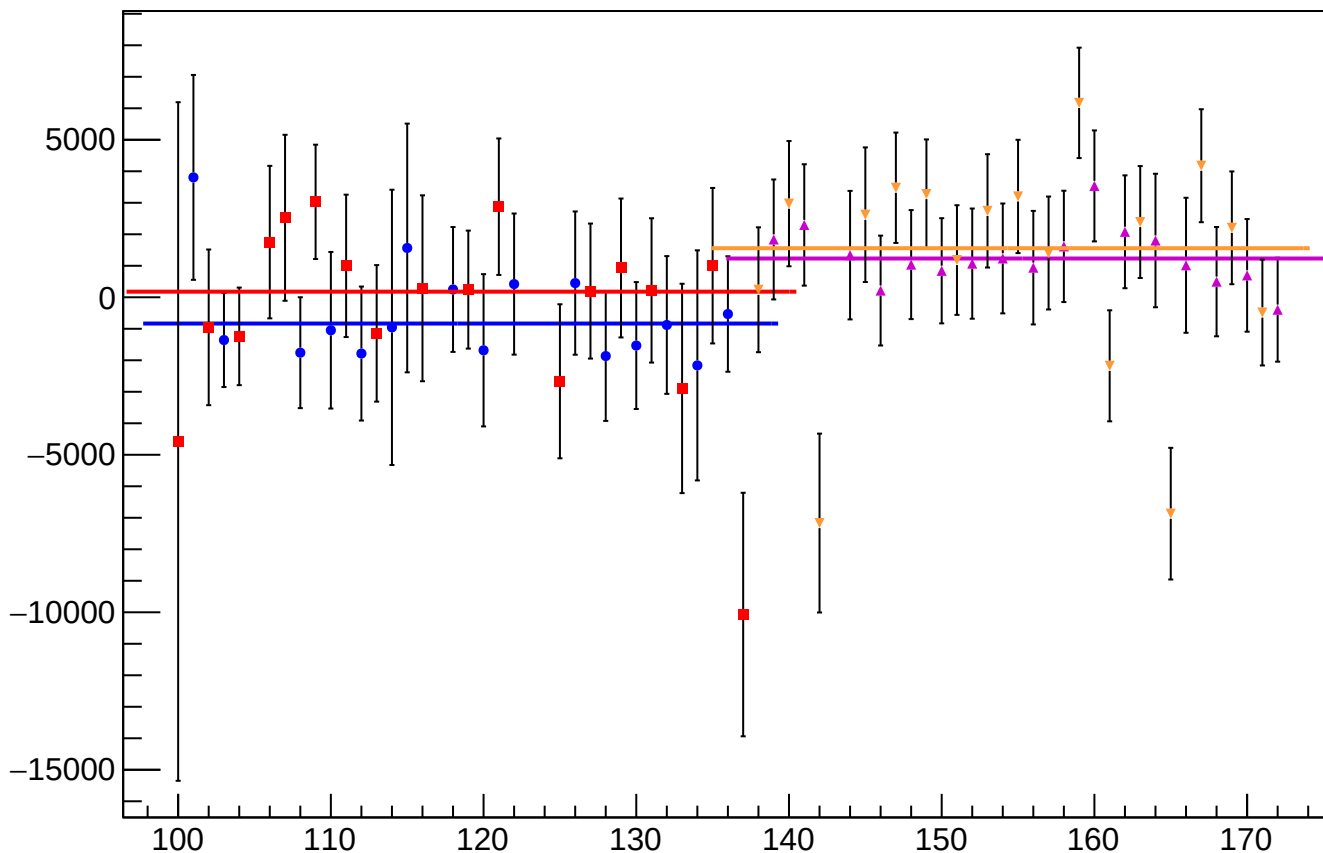
Left In: 7562.962 $\pm$ 1.459 χ^2 /NDF: 1042644.6/16

+ sign 6832.412 $\pm$ 1.096 χ^2 /NDF: 1963878.6/32

All: 6546.623 $\pm$ 0.746 χ^2 /NDF: 6075206.0/67

- sign 6299.546 $\pm$ 1.019 χ^2 /NDF: 3984435.0/34

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 $\pm$ 554.833 χ^2 /NDF: 4.6/15

Left Out: 1557.578 $\pm$ 449.943 χ^2 /NDF:45.8/16

Right Out: 178.133 $\pm$ 547.824 χ^2 /NDF: 16.5/17

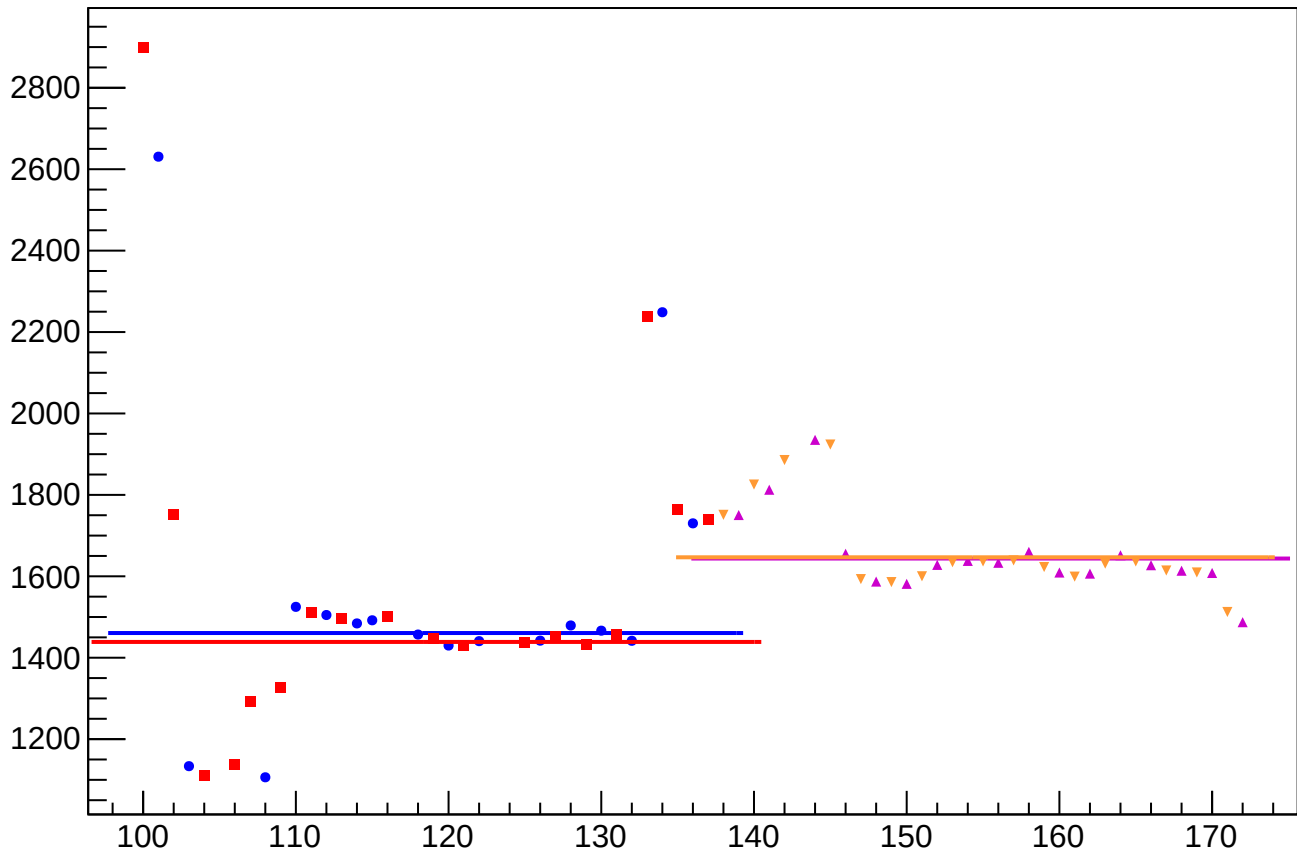
Left In: 1230.900 $\pm$ 439.473 χ^2 /NDF:4.2/16

+ sign 608.938 $\pm$ 349.472 χ^2 /NDF: 61.6/32

All: 715.829 $\pm$ 244.721 χ^2 /NDF: 84.6/67

- sign 818.677 $\pm$ 342.800 χ^2 /NDF: 22.9/34

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1460.653 $\pm$ 0.392 χ^2 /NDF: 575736.3/15

Left Out: 1646.675 $\pm$ 0.318 χ^2 /NDF: 91778.8/16

Right Out: 1438.764 $\pm$ 0.386 χ^2 /NDF: 373375.6/17

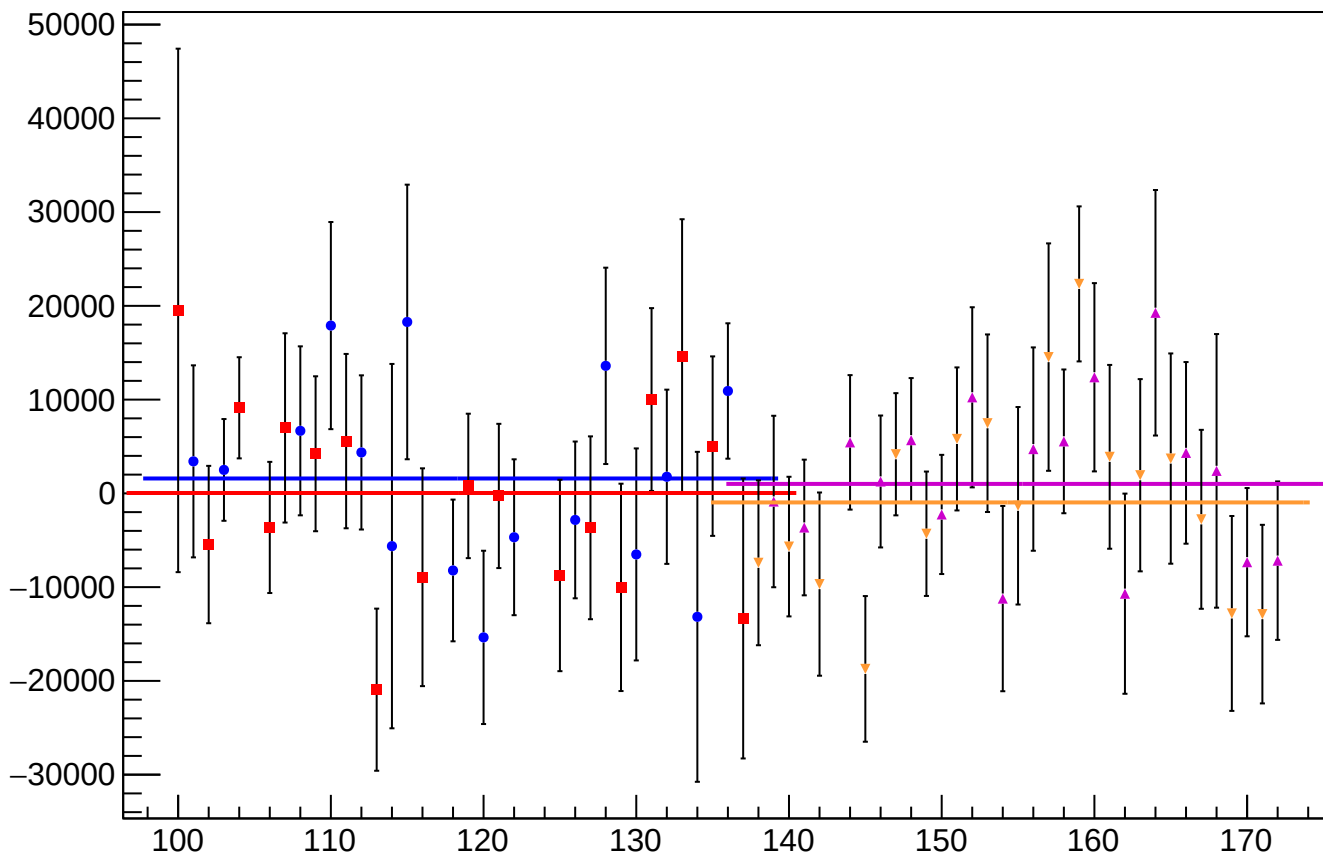
Left In: 1643.642 $\pm$ 0.311 χ^2 /NDF: 89097.0/16

+ sign 1572.874 $\pm$ 0.247 χ^2 /NDF: 803140.3/32

All: 1567.937 $\pm$ 0.173 χ^2 /NDF: 1437068.0/67

- sign 1563.196 $\pm$ 0.242 χ^2 /NDF: 633145.4/34

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



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

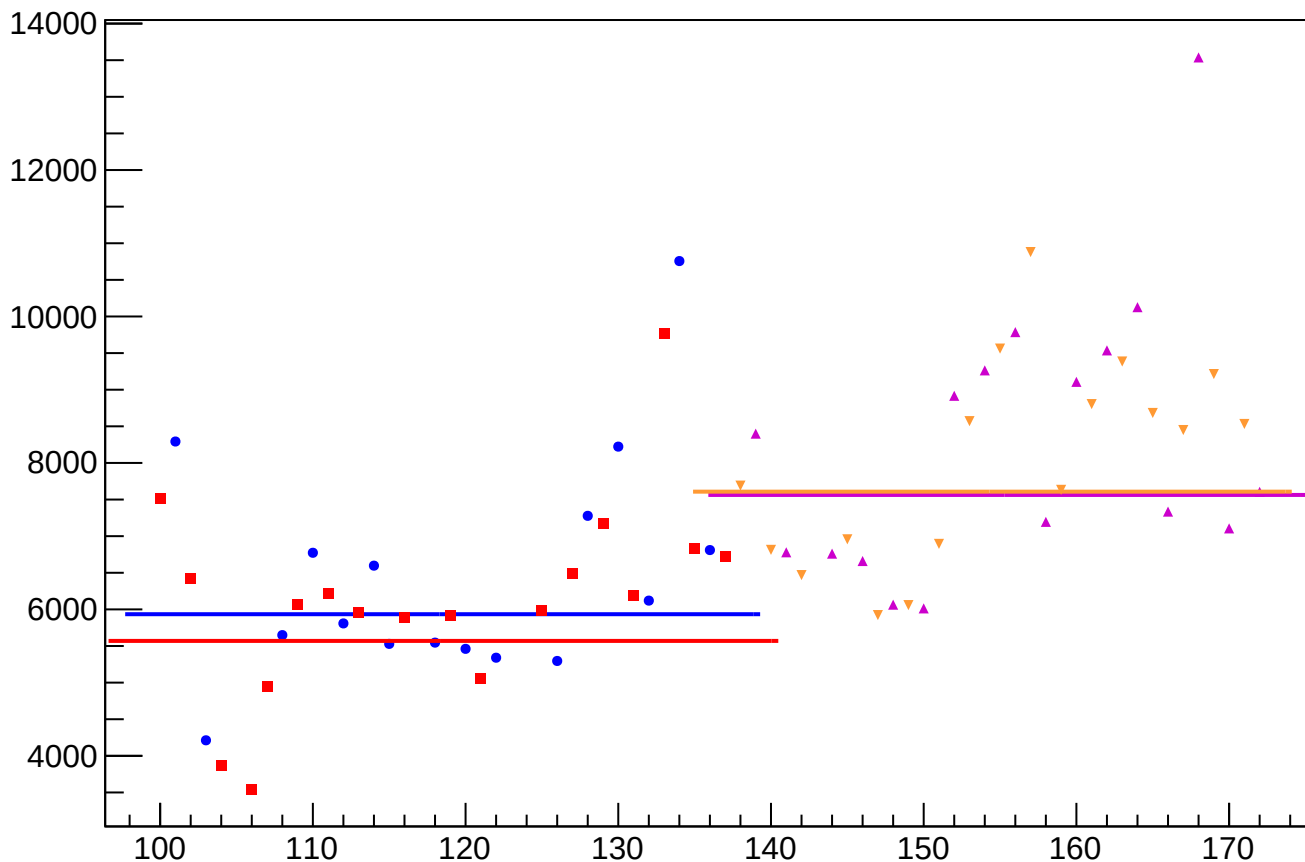
Left In: 1009.199+/-2063.876 χ^2/NDF : 11.1/16

+ sign 228.225+/-1548.071 χ^2/NDF : 37.3/32

All: 391.236+/-1070.991 χ^2/NDF : 65.0/67

- sign 540.878+/-1483.229 χ^2/NDF : 27.7/34

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



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

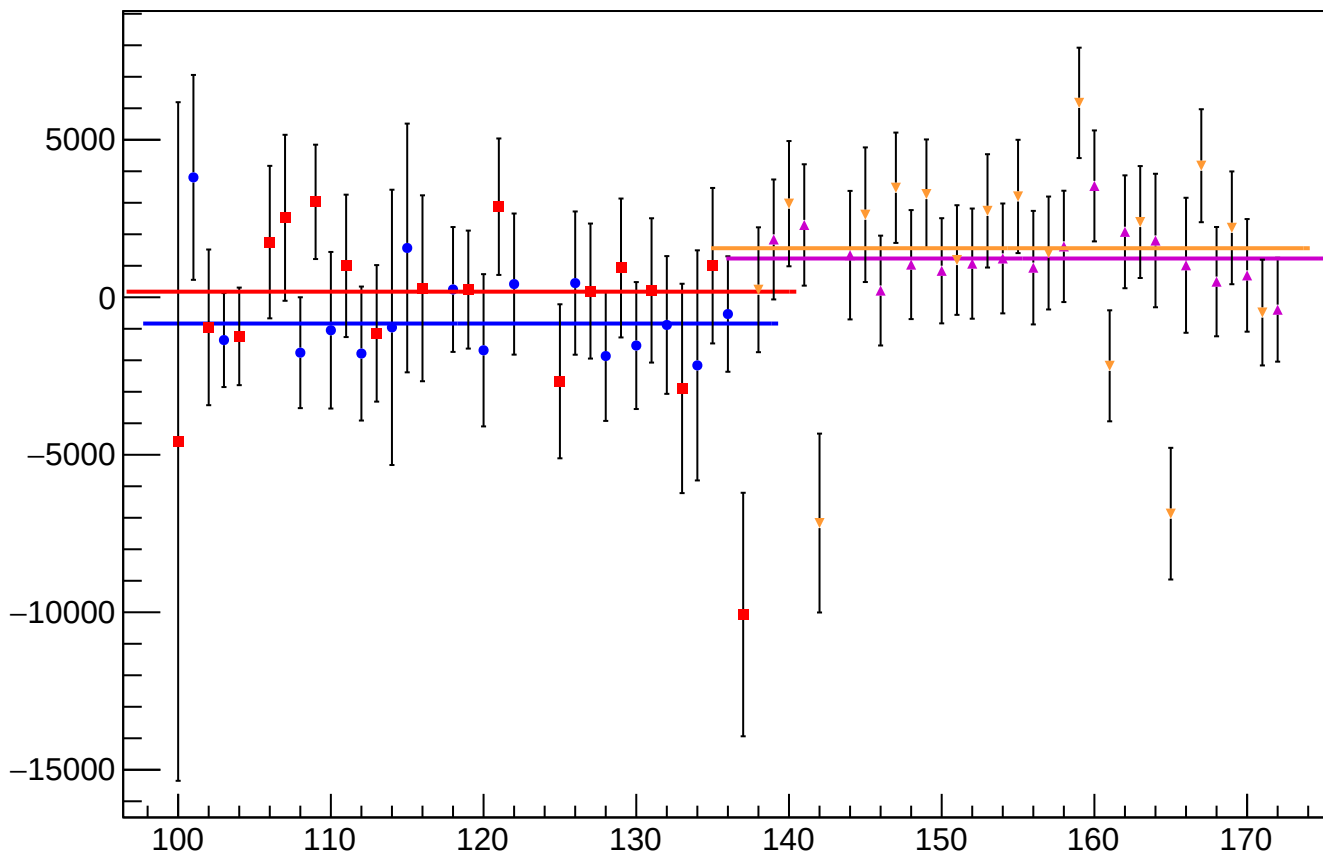
Left In: 7562.954+/-1.459 χ^2/NDF : 1042648.2/16

+ sign 6825.486+/-1.095 χ^2/NDF : 1985069.5/32

All: 6707.463+/-0.757 χ^2/NDF : 4676148.5/67

- sign 6599.120+/-1.049 χ^2/NDF : 2668783.2/34

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -833.542 $\pm$ 554.833 χ^2 /NDF: 4.6/15

Left Out: 1557.578 $\pm$ 449.943 χ^2 /NDF:45.8/16

Right Out: 178.133 $\pm$ 547.824 χ^2 /NDF: 16.5/17

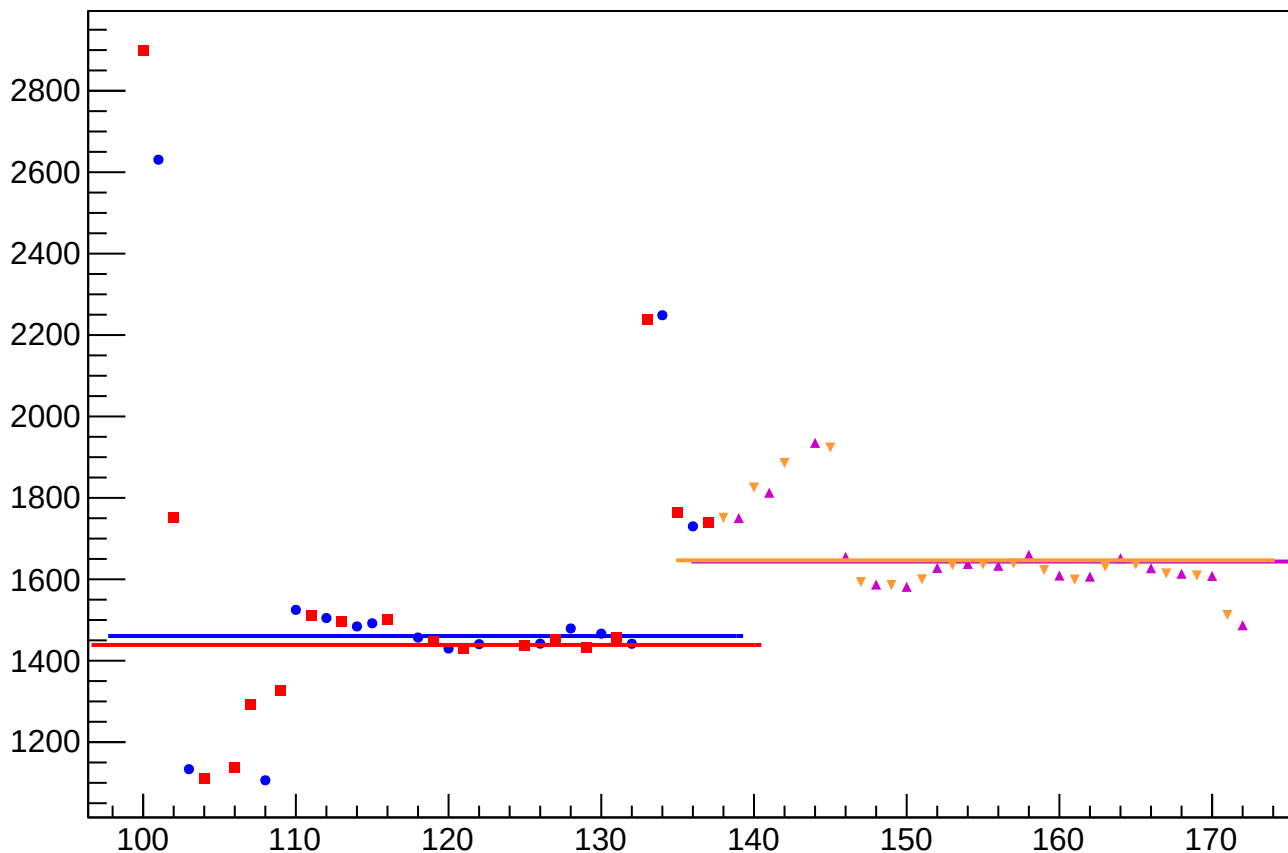
Left In: 1230.900 $\pm$ 439.473 χ^2 /NDF:4.2/16

+ sign 608.938 $\pm$ 349.472 χ^2 /NDF: 61.6/32

All: 715.829 $\pm$ 244.721 χ^2 /NDF: 84.6/67

- sign 818.677 $\pm$ 342.800 χ^2 /NDF: 22.9/34

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

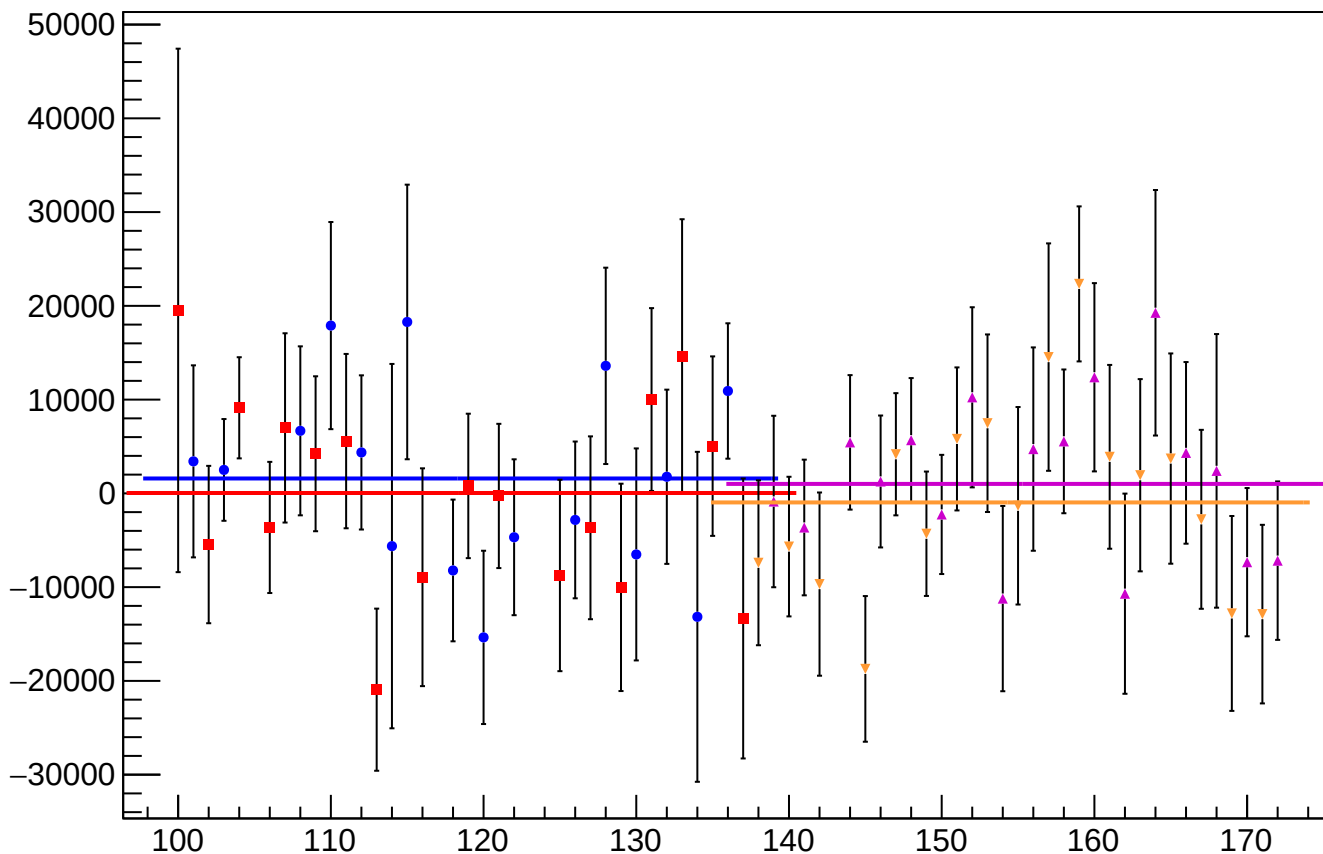
Left In: 1643.642+/-0.311 χ^2/NDF : 89097.0/16

+ sign 1572.874+/-0.247 χ^2/NDF : 803140.3/32

All: 1567.937+/-0.173 χ^2/NDF : 1437068.0/67

- sign 1563.196+/-0.242 χ^2/NDF : 633145.4/34

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



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

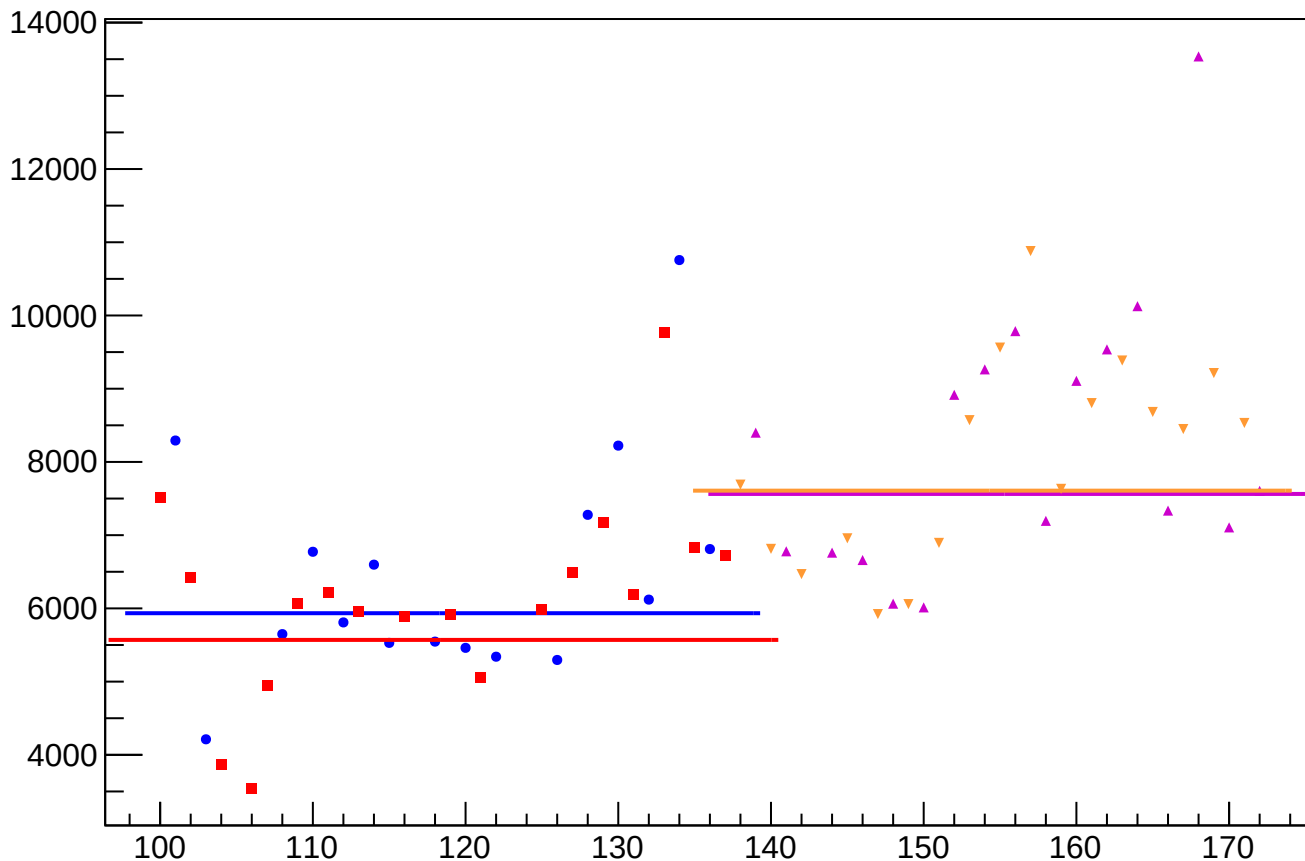
Left In: 1009.199+/-2063.876 χ^2/NDF : 11.1/16

+ sign 228.225+/-1548.071 χ^2/NDF : 37.3/32

All: 391.236+/-1070.991 χ^2/NDF : 65.0/67

- sign 540.878+/-1483.229 χ^2/NDF : 27.7/34

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



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

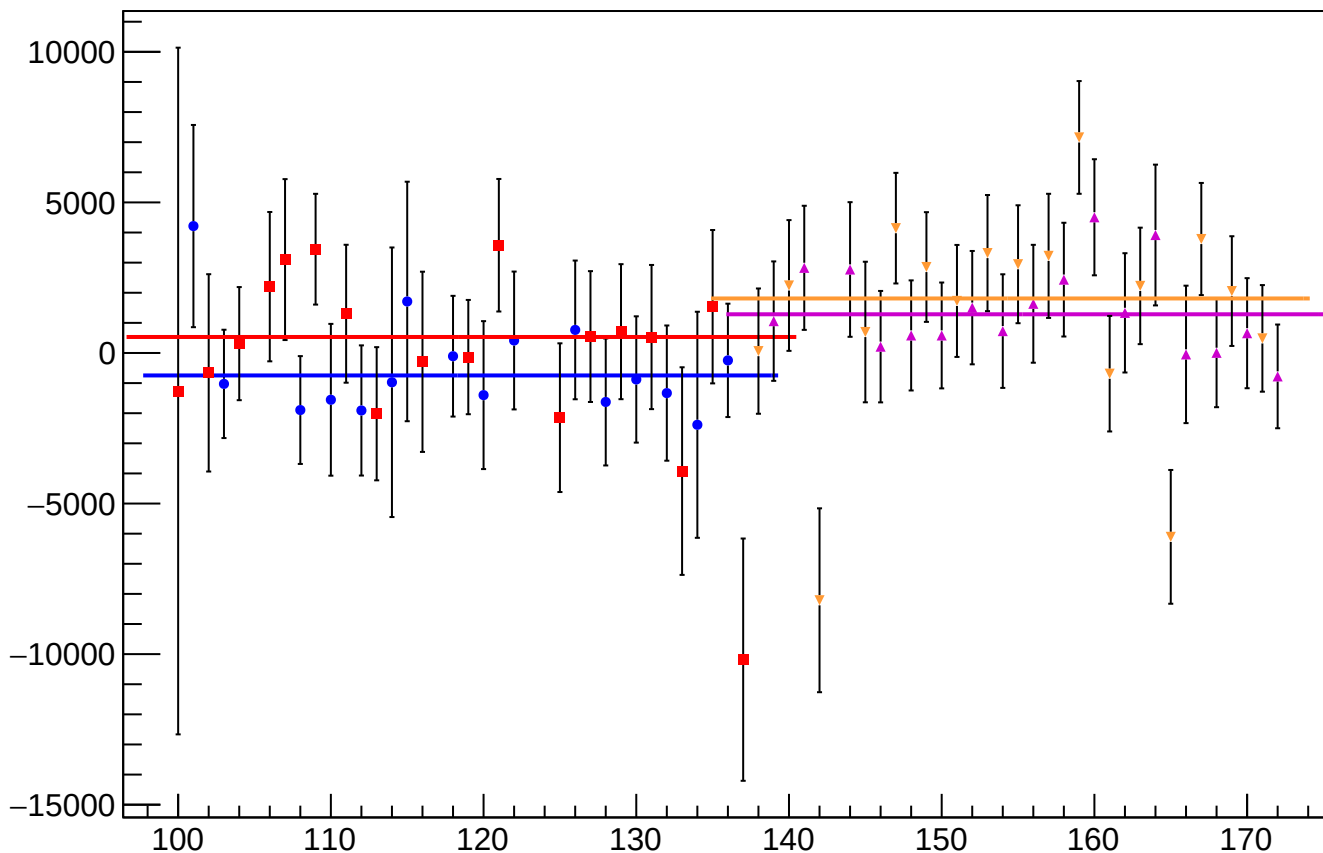
Left In: 7562.954+/-1.459 χ^2/NDF : 1042648.2/16

+ sign 6825.486+/-1.095 χ^2/NDF : 1985069.5/32

All: 6707.463+/-0.757 χ^2/NDF : 4676148.5/67

- sign 6599.120+/-1.049 χ^2/NDF : 2668783.2/34

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -745.914 $\pm$ 578.071 χ^2/NDF : 4.8/15

Left Out: 1810.291 $\pm$ 480.990 χ^2/NDF :39.4/16

Right Out: 531.292 $\pm$ 575.115 χ^2/NDF : 17.7/17

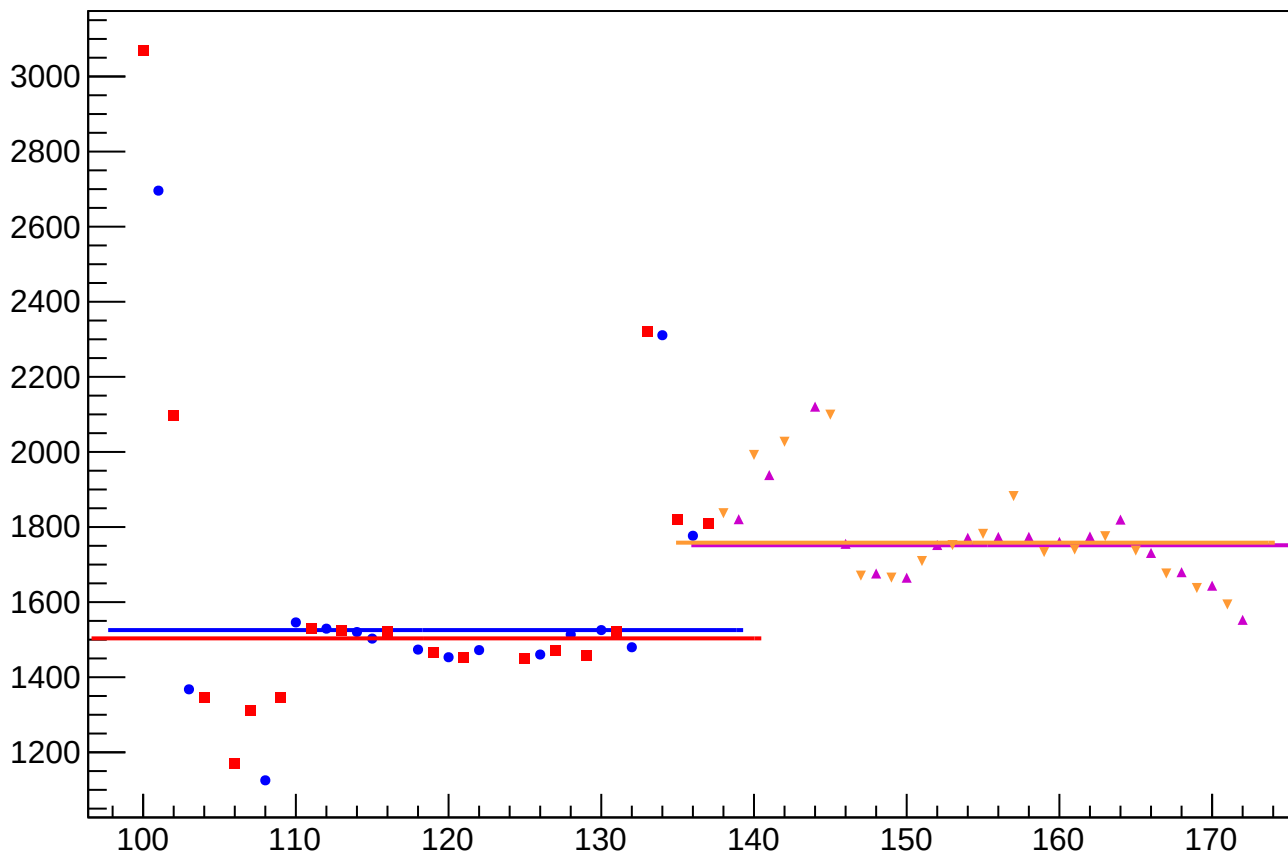
Left In: 1285.103 $\pm$ 468.711 χ^2/NDF :8.6/16

+ sign 764.555 $\pm$ 369.738 χ^2/NDF : 55.7/32

All: 876.322 $\pm$ 259.149 χ^2/NDF : 83.3/67

- sign 984.248 $\pm$ 363.331 χ^2/NDF : 27.4/34

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

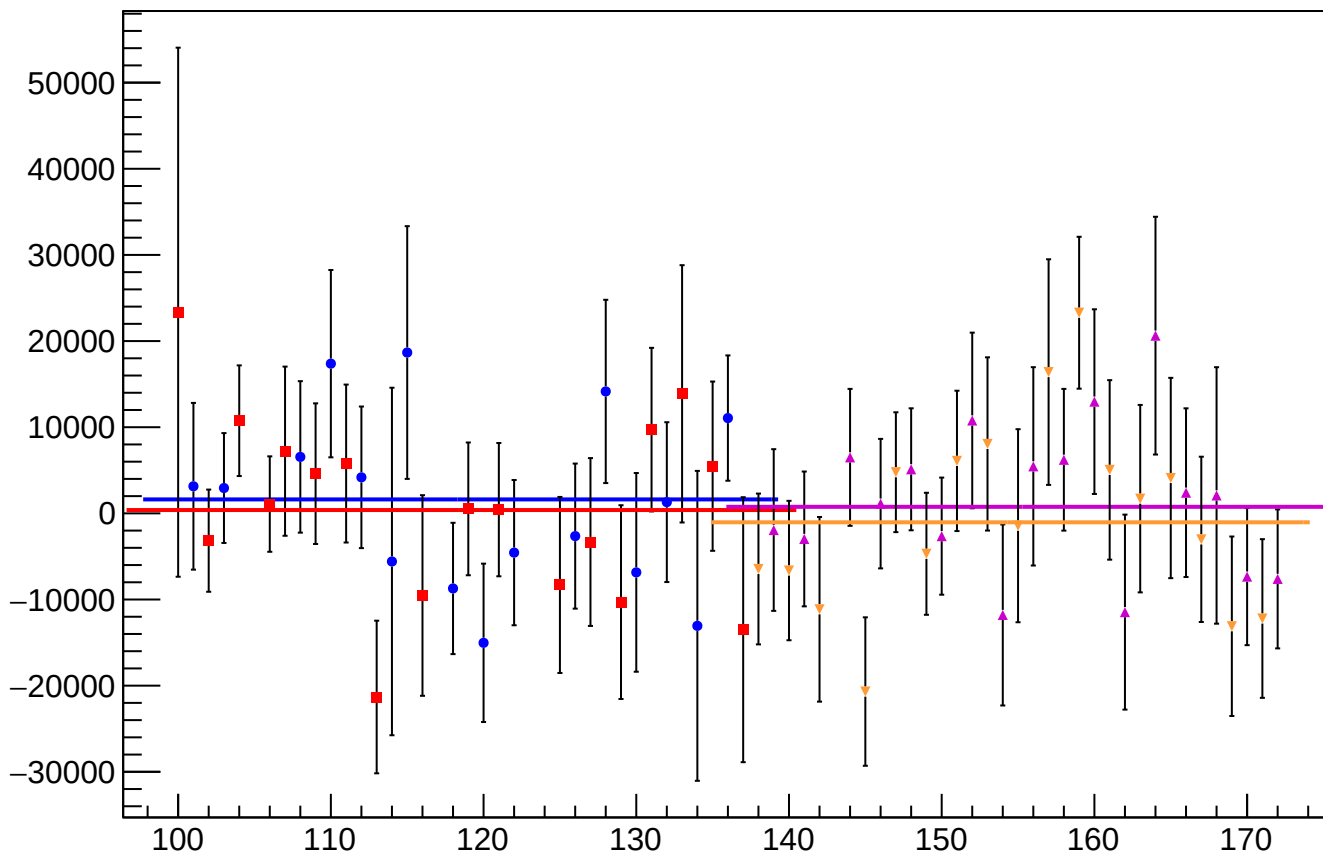
Left In: 1751.472+/-0.331 χ^2/NDF : 121340.0/16

+ sign 1663.116+/-0.261 χ^2/NDF : 813814.5/32

All: 1657.686+/-0.183 χ^2/NDF : 1498125.9/67

- sign 1652.443+/-0.257 χ^2/NDF : 683463.4/34

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 1620.058 $\pm$ 2320.032 χ^2 /NDF: 14.3/15

Left Out: -1036.271 $\pm$ 2238.043 χ^2 /NDF:22.3/16

Right Out: 385.942 $\pm$ 2060.867 χ^2 /NDF: 16.0/17

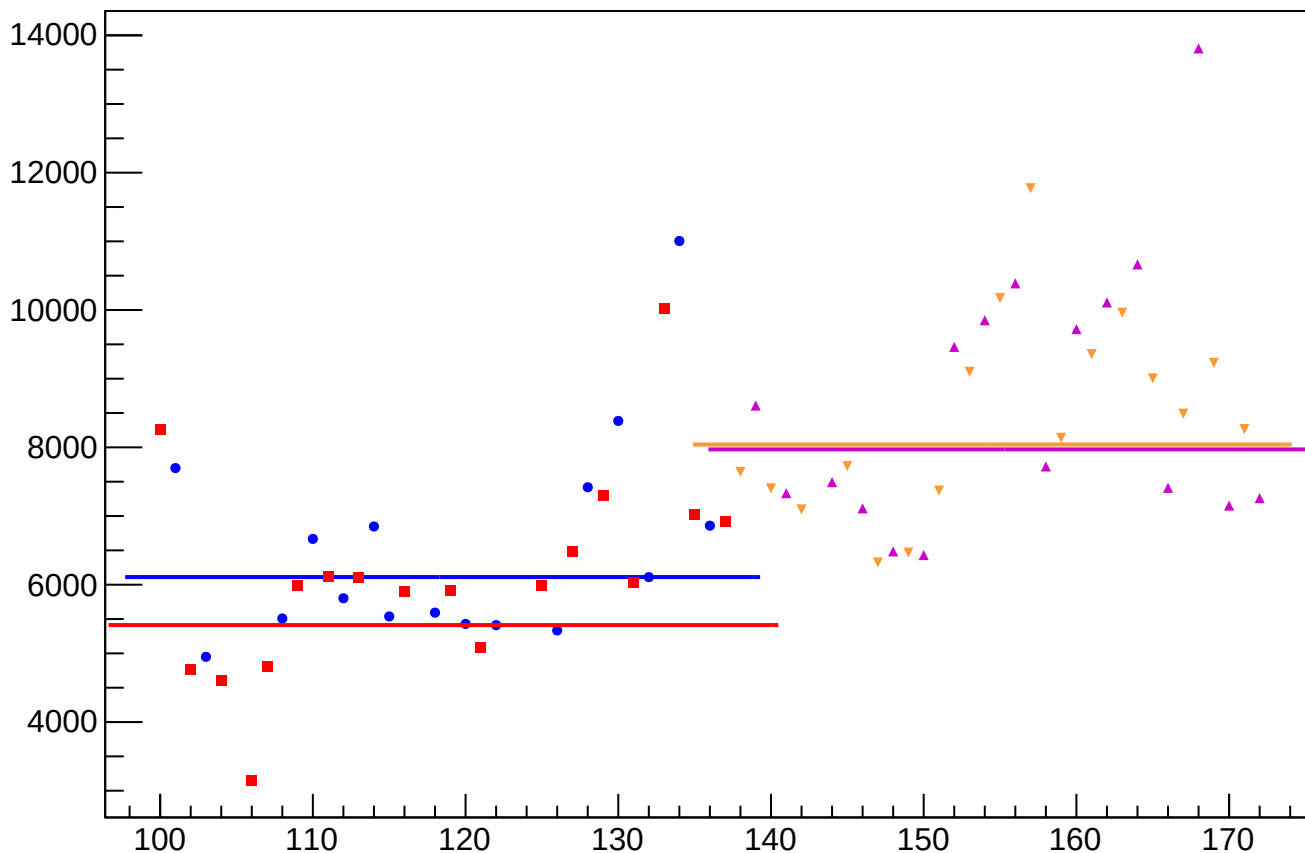
Left In: 759.279 $\pm$ 2173.544 χ^2 /NDF:11.2/16

+ sign 244.128 $\pm$ 1610.741 χ^2 /NDF: 37.3/32

All: 415.207 $\pm$ 1095.957 χ^2 /NDF: 64.5/67

- sign 562.683 $\pm$ 1495.501 χ^2 /NDF: 27.2/34

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6111.037+/-1.641 χ^2/NDF : 471661.4/15

Left Out: 8041.306+/-1.583 χ^2/NDF : 665771.9/16

Right Out: 5412.276+/-1.457 χ^2/NDF : 821530.3/17

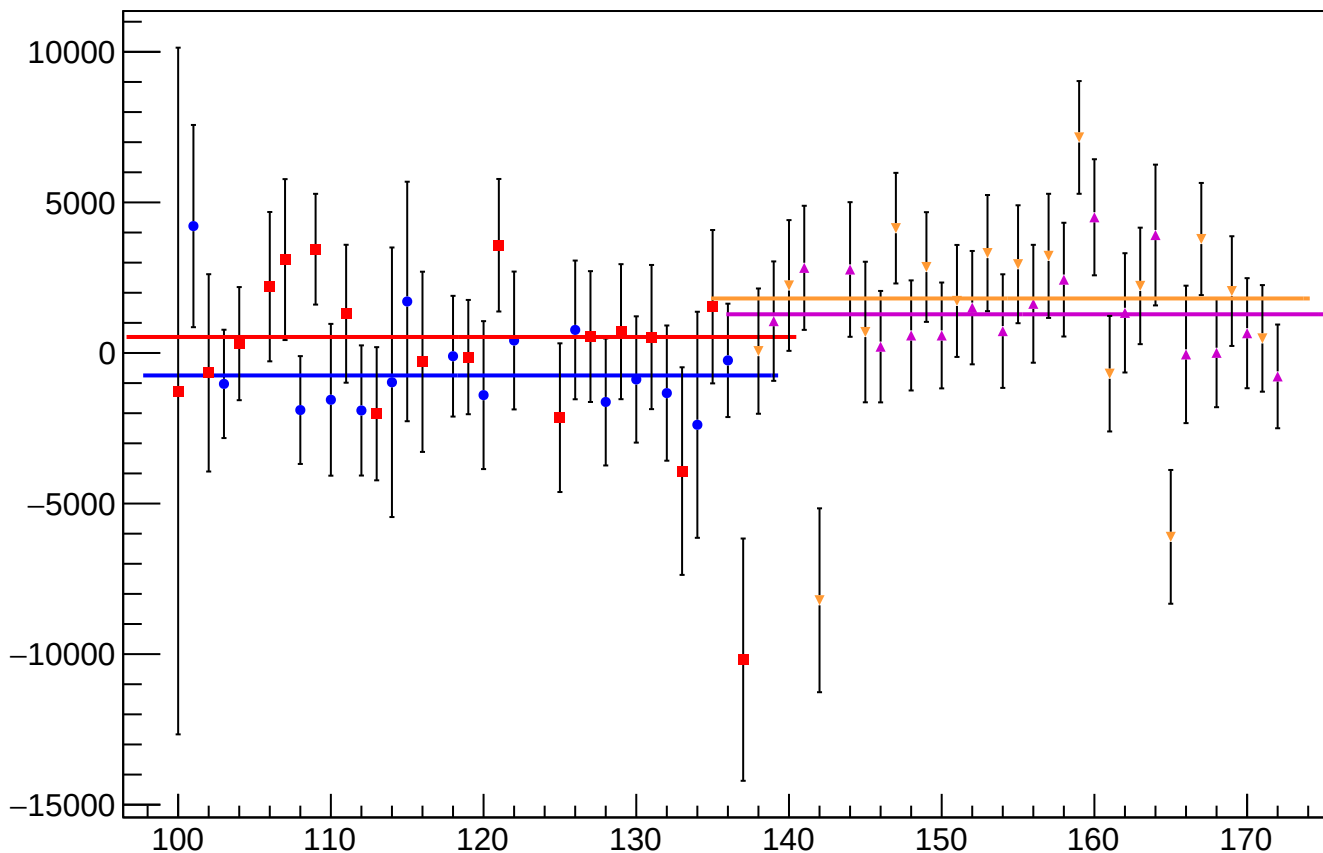
Left In: 7970.194+/-1.537 χ^2/NDF : 995263.9/16

+ sign 7110.881+/-1.139 χ^2/NDF : 1854554.1/32

All: 6848.982+/-0.775 χ^2/NDF : 5228414.2/67

- sign 6623.218+/-1.057 χ^2/NDF : 3275406.3/34

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

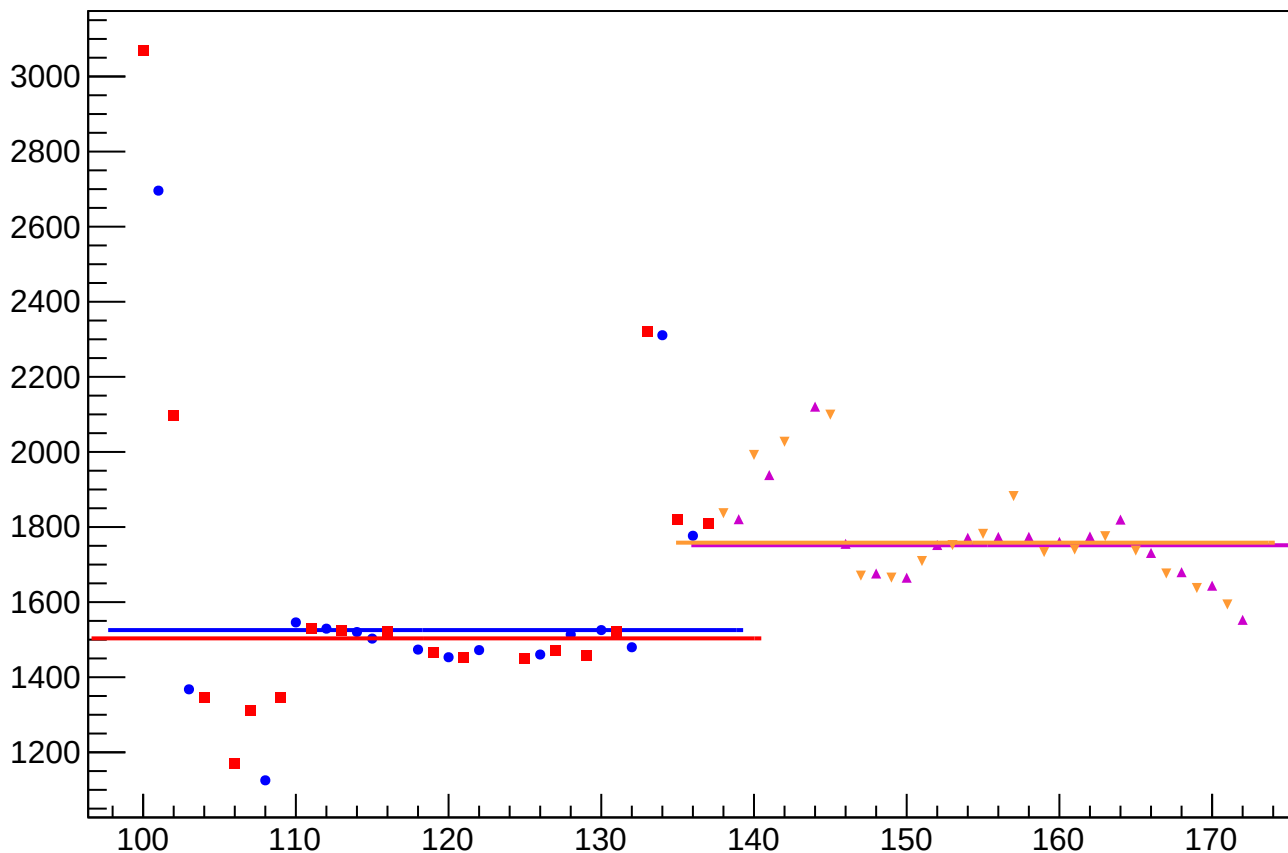
Left In: 1285.102 ± 468.712 χ^2/NDF : 8.6/16

+ sign 764.554 ± 369.739 χ^2/NDF : 55.7/32

All: 876.322 ± 259.149 χ^2/NDF : 83.3/67

- sign 984.251 ± 363.331 χ^2/NDF : 27.4/34

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1525.536 $\pm$ 0.409 χ^2 /NDF: 488327.8/15

Left Out: 1758.369 $\pm$ 0.340 χ^2 /NDF:133769.8/16

Right Out: 1503.435 $\pm$ 0.407 χ^2 /NDF: 338507.7/17

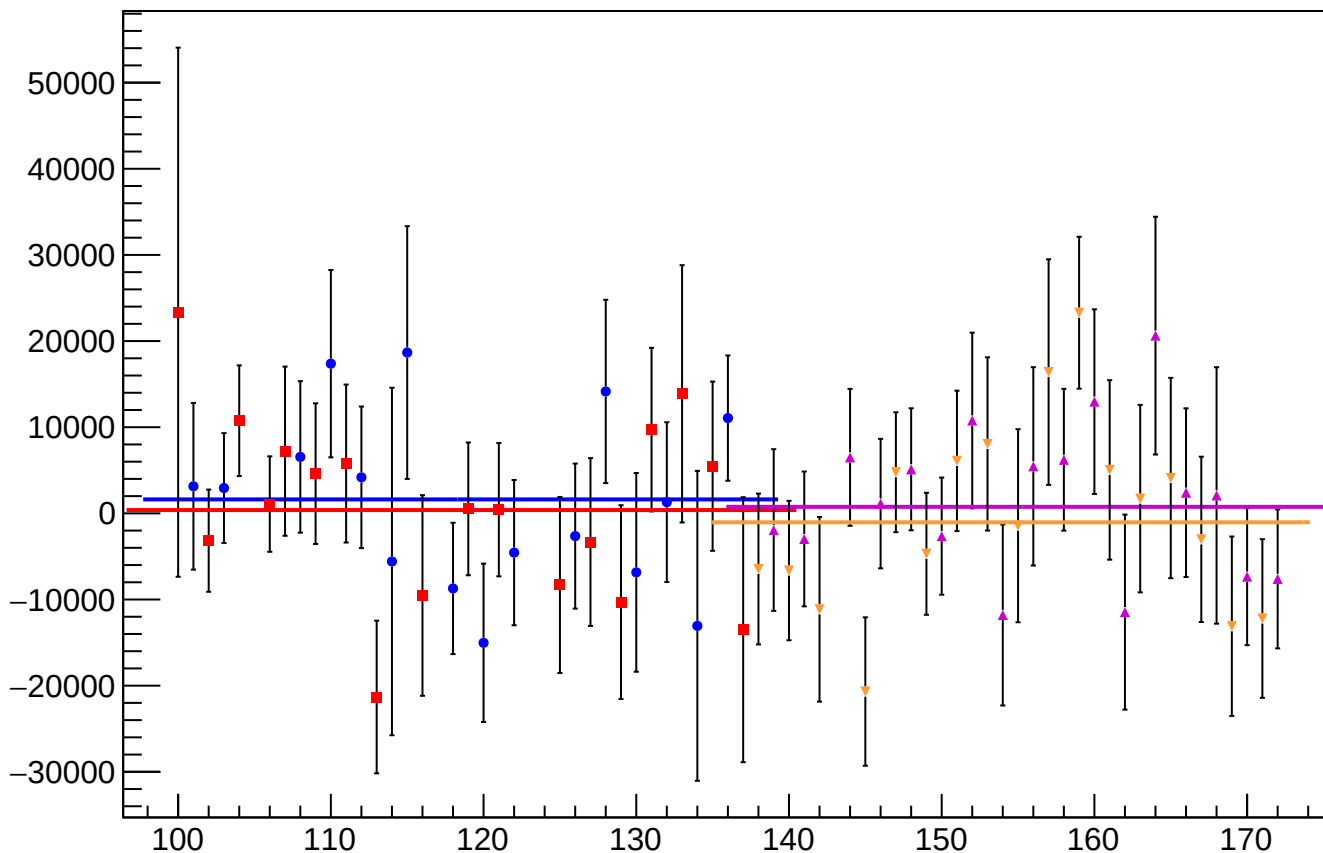
Left In: 1751.475 $\pm$ 0.331 χ^2 /NDF:121342.8/16

+ sign 1663.118 $\pm$ 0.261 χ^2 /NDF: 813820.5/32

All: 1657.687 $\pm$ 0.183 χ^2 /NDF: 1498138.6/67

- sign 1652.444 $\pm$ 0.257 χ^2 /NDF: 683470.0/34

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 1620.038 $\pm$ 2320.027 χ^2 /NDF: 14.3/15

Left Out: -1036.271 $\pm$ 2238.046 χ^2 /NDF:22.3/16

Right Out: 385.948 $\pm$ 2060.863 χ^2 /NDF: 16.0/17

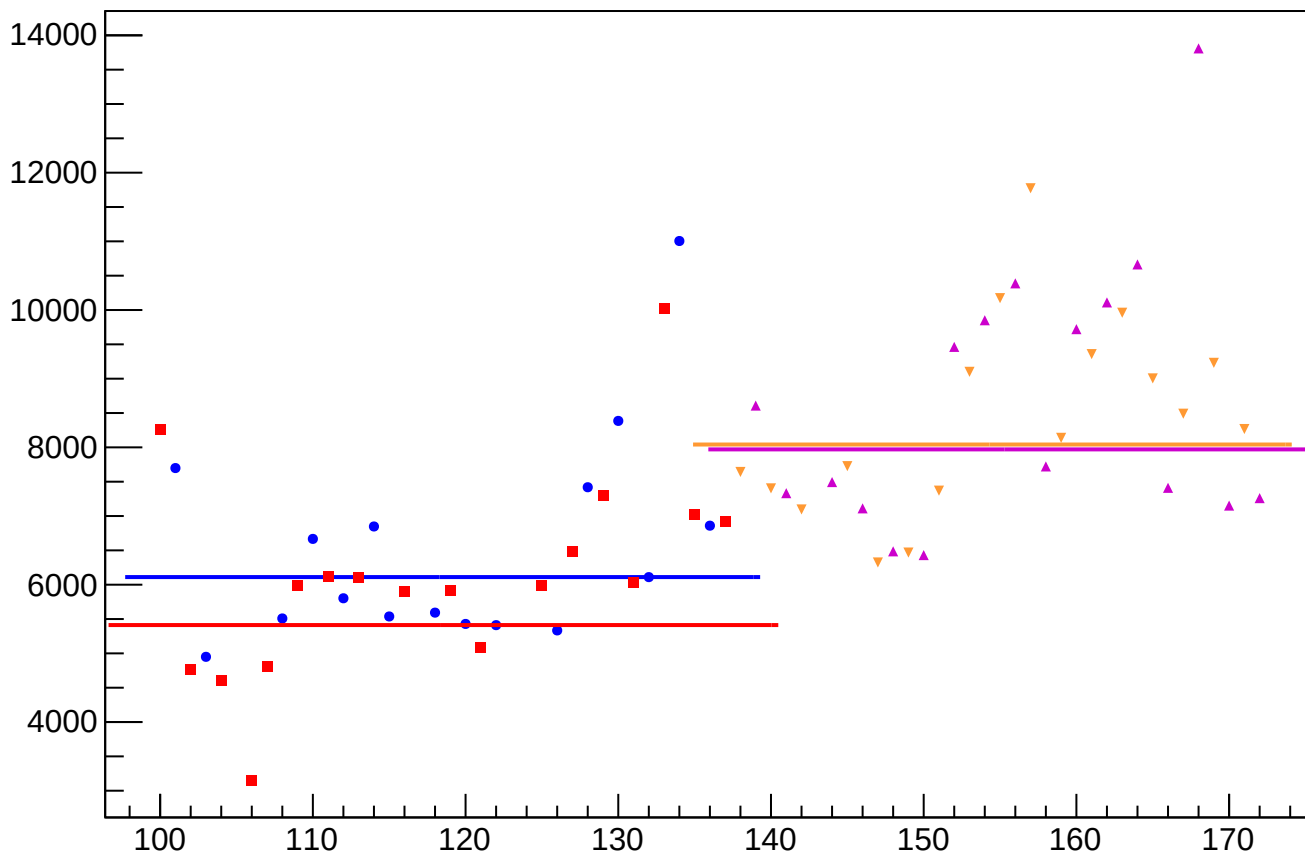
Left In: 759.276 $\pm$ 2173.547 χ^2 /NDF:11.2/16

+ sign 244.123 $\pm$ 1610.740 χ^2 /NDF: 37.3/32

All: 415.206 $\pm$ 1095.956 χ^2 /NDF: 64.5/67

- sign 562.684 $\pm$ 1495.501 χ^2 /NDF: 27.2/34

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



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

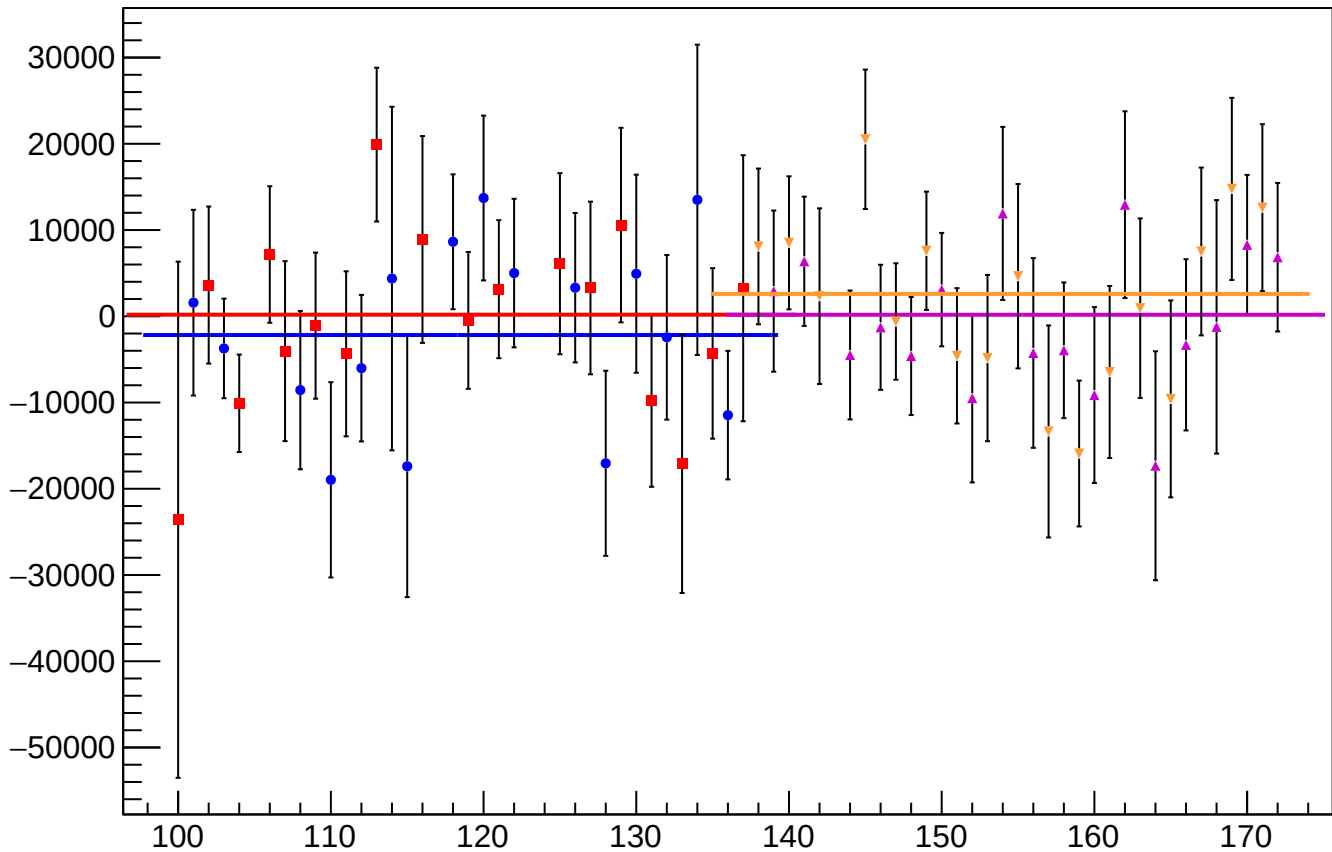
Left In: 7970.205+/-1.537 χ^2 /NDF: 995266.1/16

+ sign 7110.877+/-1.139 χ^2 /NDF: 1854576.8/32

All: 6848.977+/-0.775 χ^2 /NDF: 5228465.4/67

- sign 6623.212+/-1.057 χ^2 /NDF: 3275434.3/34

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

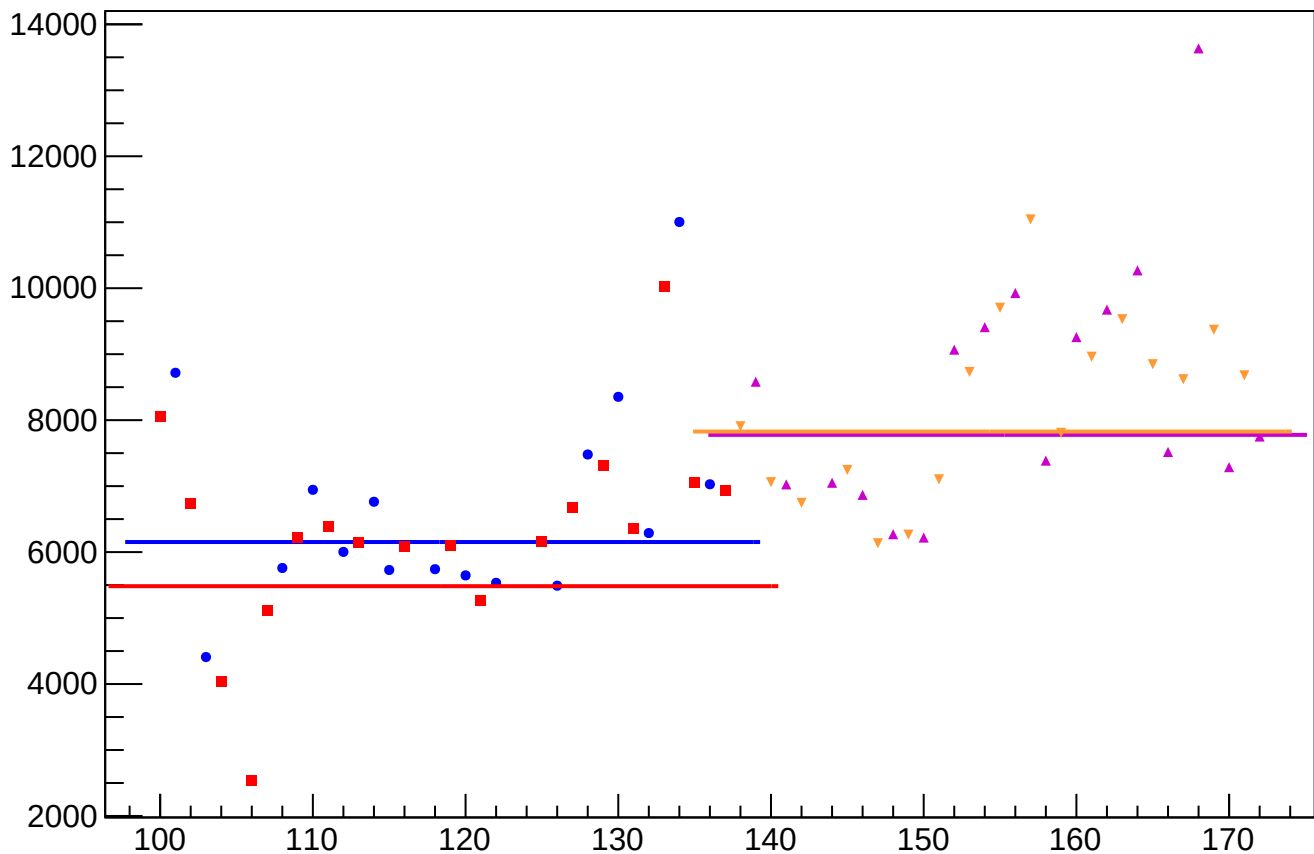
Left In: 174.404 ± 2118.572 χ^2/NDF : 10.4/16

+ sign 388.379 ± 1596.809 χ^2/NDF : 36.0/32

All: 279.467 ± 1106.830 χ^2/NDF : 61.1/67

- sign 178.749 ± 1535.573 χ^2/NDF : 25.0/34

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6152.690 $\pm$ 1.660 χ^2 /NDF: 624026.7/15

Left Out: 7827.230 $\pm$ 1.540 χ^2 /NDF: 682536.6/16

Right Out: 5483.337 $\pm$ 1.519 χ^2 /NDF: 1148712.9/17

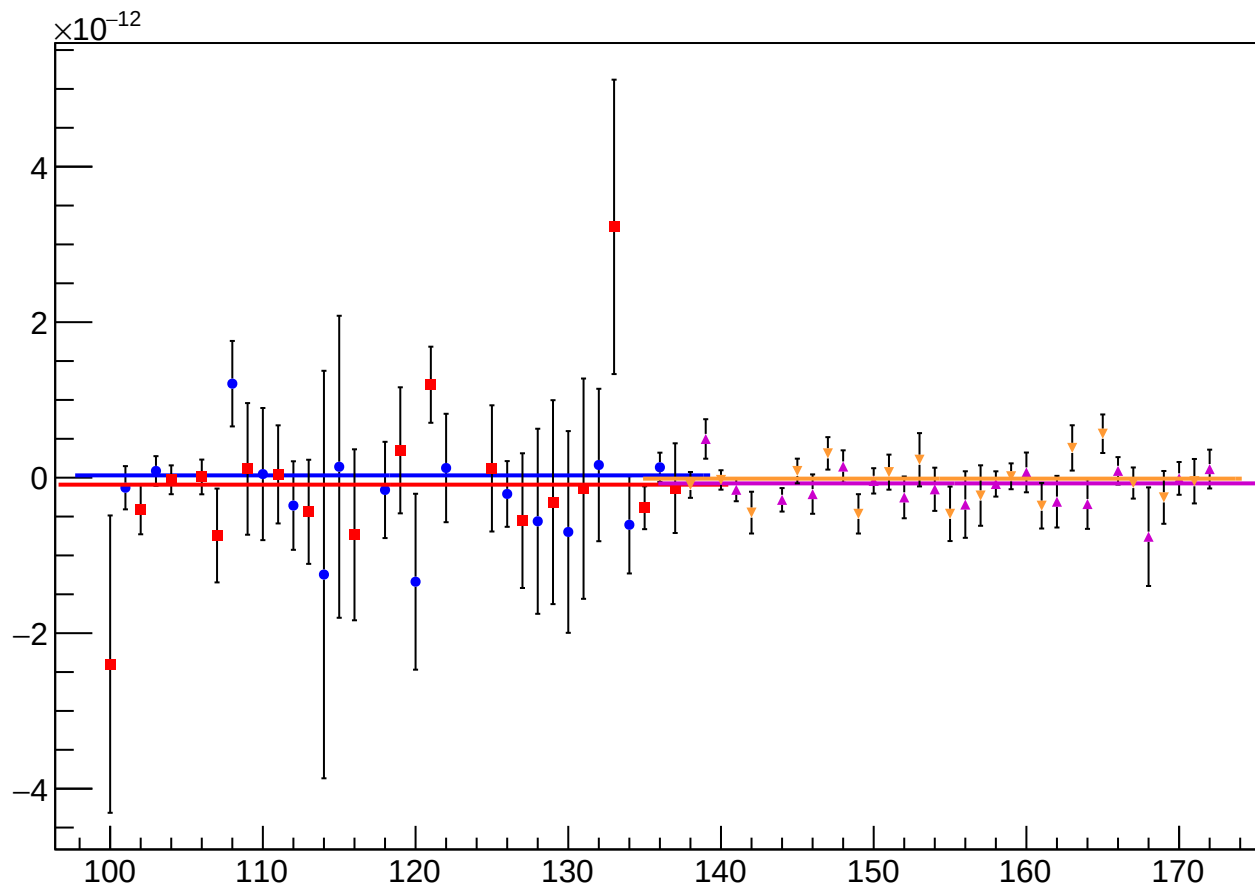
Left In: 7776.746 $\pm$ 1.498 χ^2 /NDF: 964306.3/16

+ sign 7052.532 $\pm$ 1.129 χ^2 /NDF: 1853359.1/32

All: 6837.897 $\pm$ 0.775 χ^2 /NDF: 5190008.2/67

- sign 6646.308 $\pm$ 1.067 χ^2 /NDF: 3268259.0/34

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



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

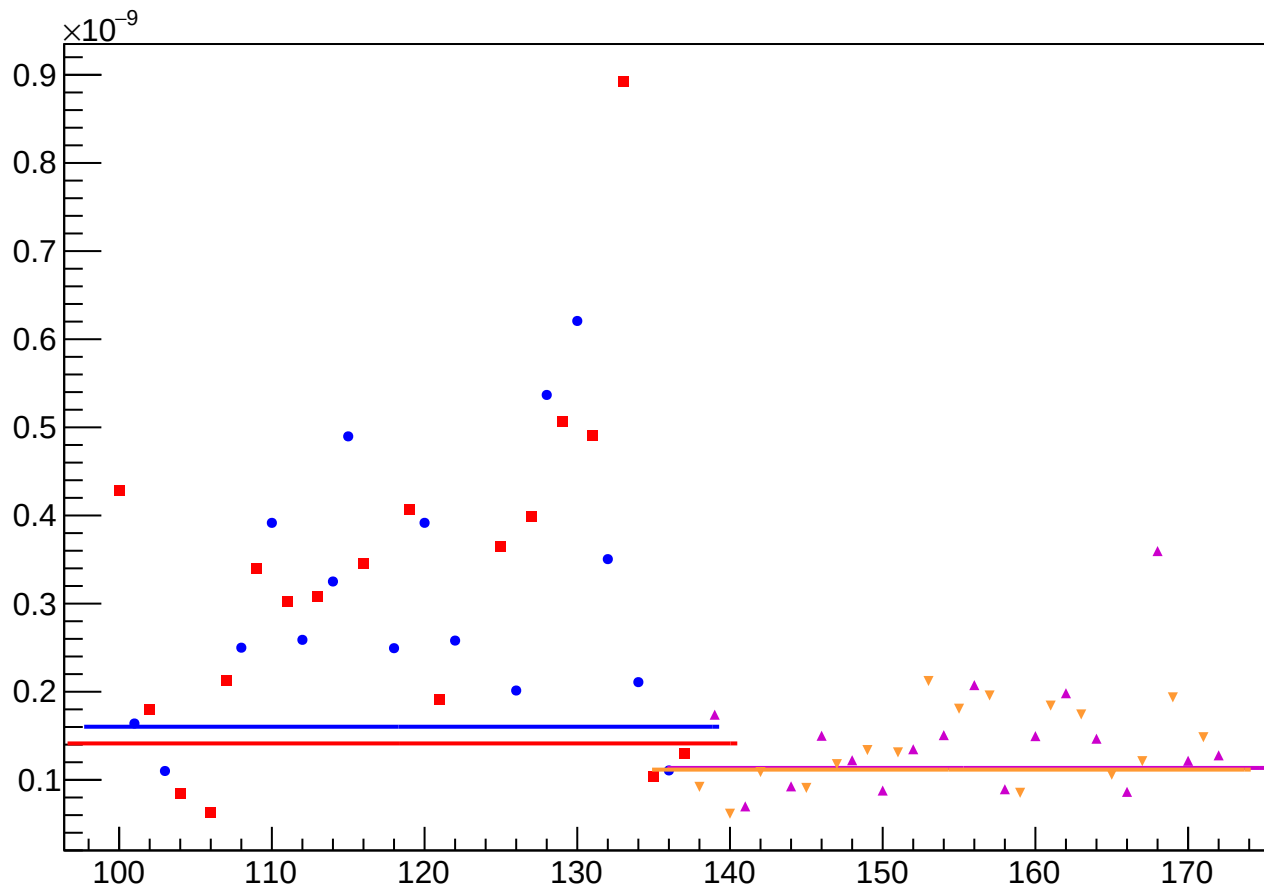
Left In: -0.000 ± 0.000 χ^2/NDF : 13.8/16

+ sign -0.000 ± 0.000 χ^2/NDF : 30.5/32

All: -0.000 ± 0.000 χ^2/NDF : 62.0/67

- sign -0.000 ± 0.000 χ^2/NDF : 30.3/34

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



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

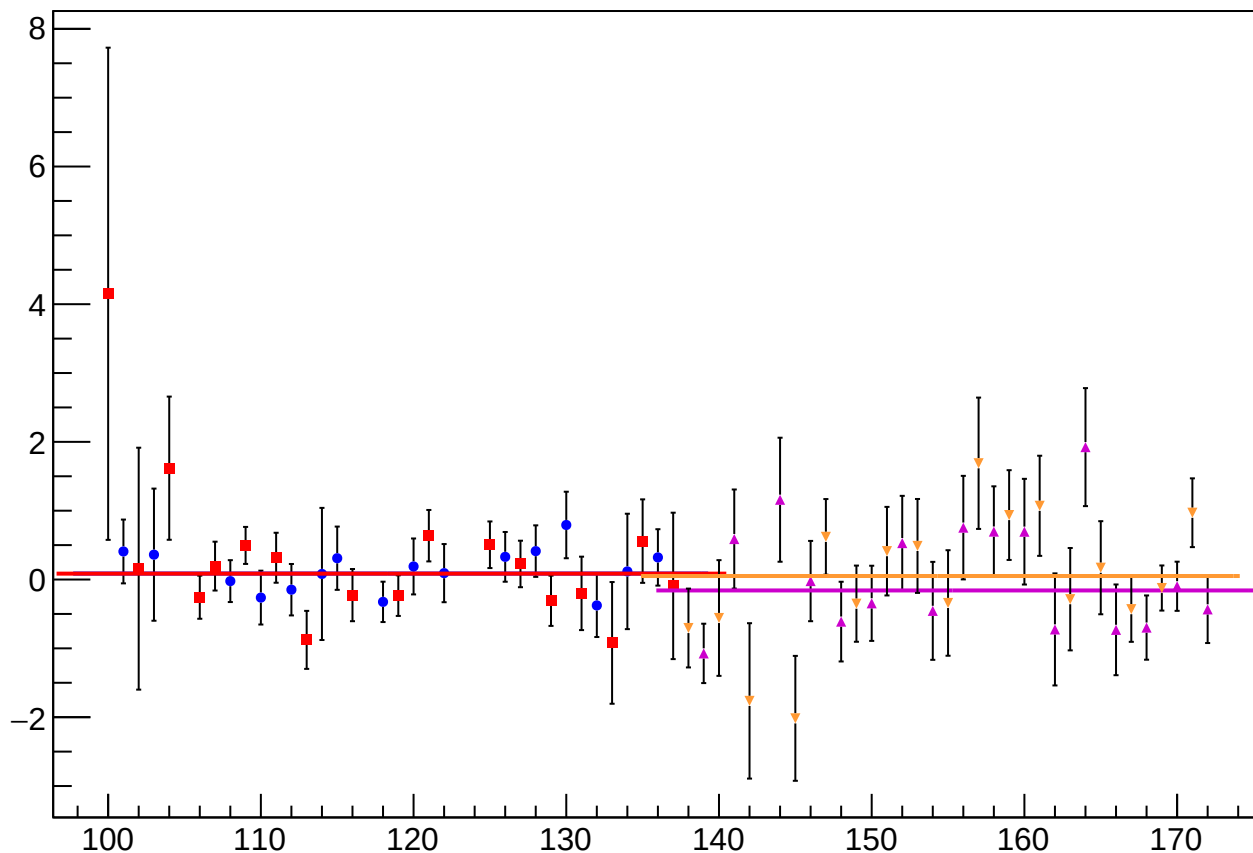
Left In: 0.000+/-0.000 χ^2/NDF :1159410.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 2858913.0/32

All: 0.000+/-0.000 χ^2/NDF : 6302909.8/67

- sign 0.000+/-0.000 χ^2/NDF : 3441561.1/34

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 0.105 χ^2 /NDF: 8.8/15

Left Out: 0.051 $\pm$ 0.147 χ^2 /NDF: 24.3/16

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

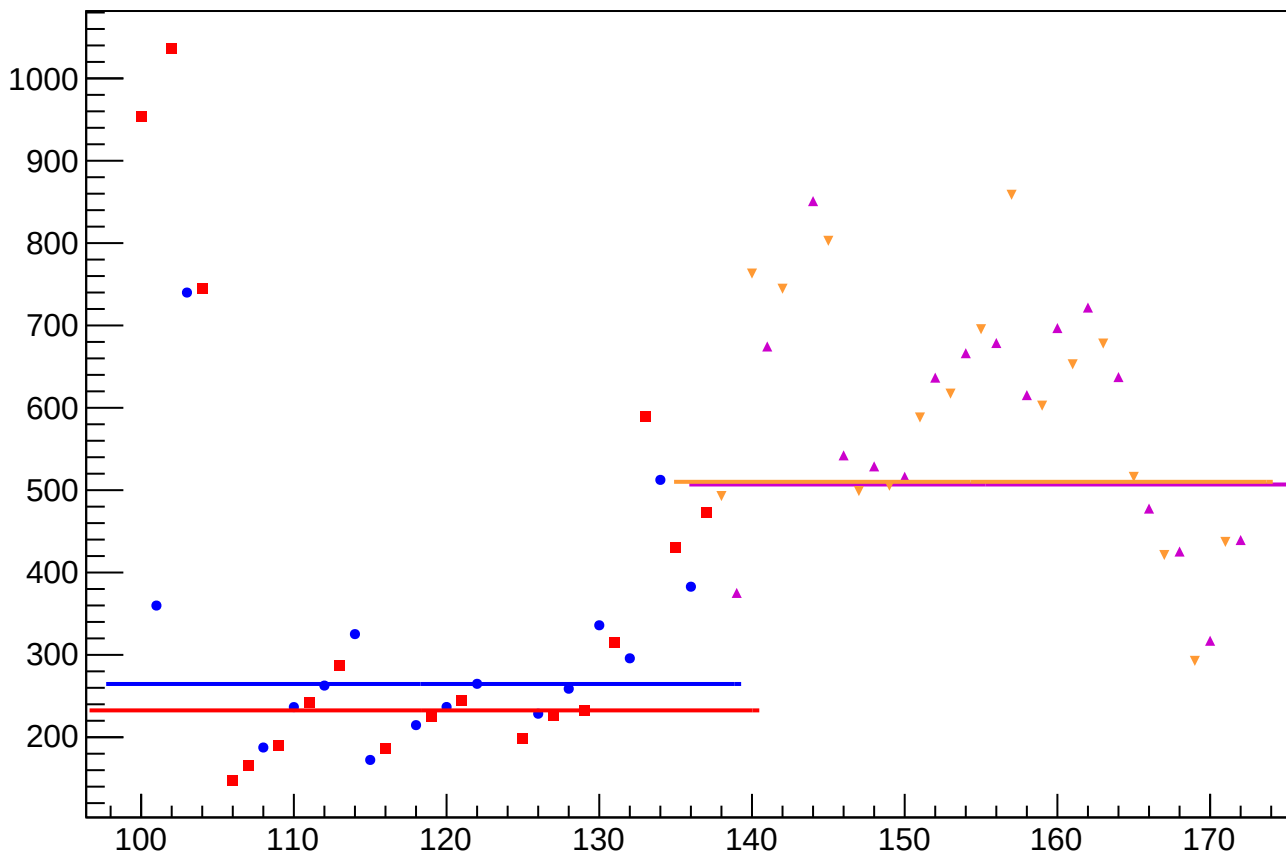
Left In: -0.159 $\pm$ 0.142 χ^2 /NDF: 22.9/16

+ sign 0.075 $\pm$ 0.085 χ^2 /NDF: 33.2/32

All: 0.039 $\pm$ 0.059 χ^2 /NDF: 80.3/67

- sign 0.008 $\pm$ 0.080 χ^2 /NDF: 46.7/34

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1284007.6/15

Left Out: 510.143+/-0.104 χ^2/NDF : 2153257.8/16

Right Out: 232.596+/-0.069 χ^2/NDF : 2032662.7/17

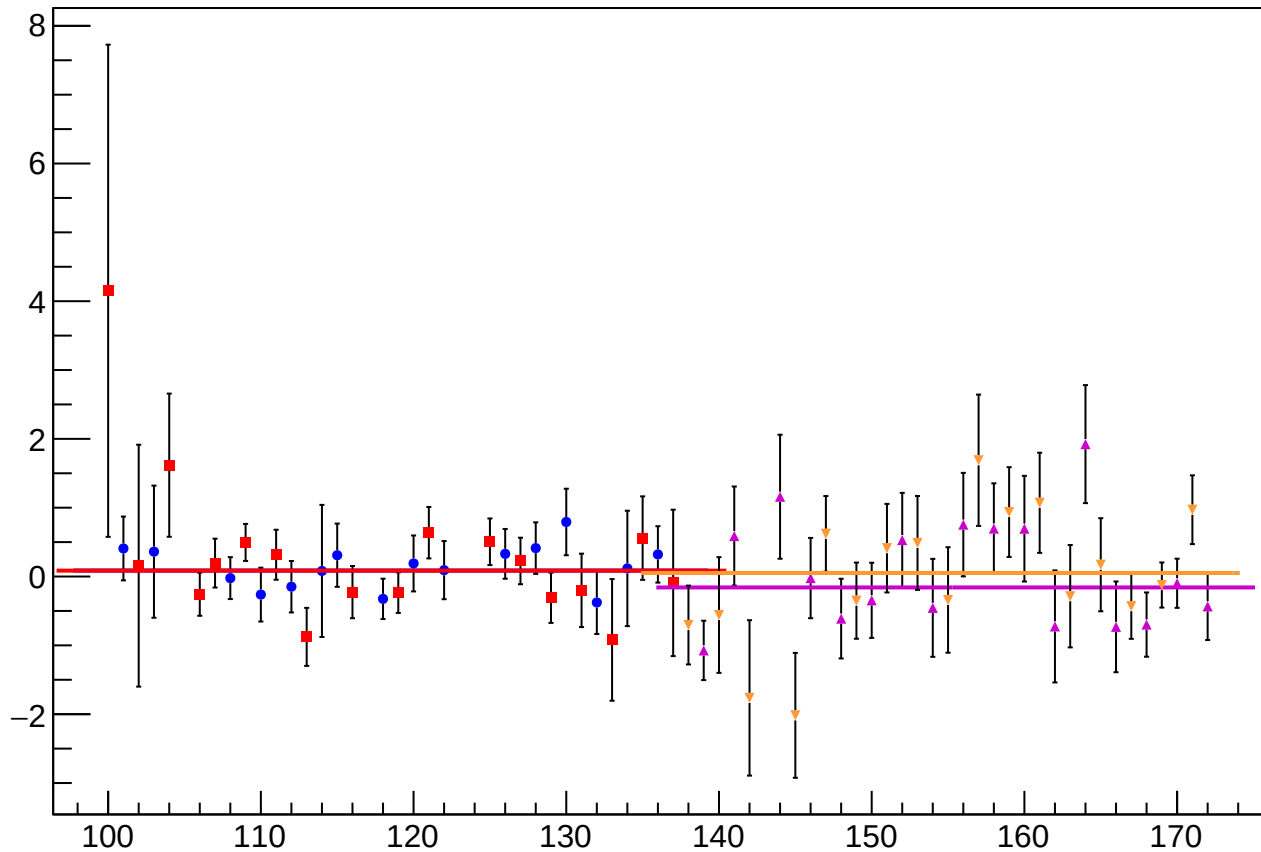
Left In: 506.888+/-0.101 χ^2/NDF : 1903797.5/16

+ sign 347.830+/-0.060 χ^2/NDF : 7135063.0/32

All: 333.131+/-0.041 χ^2/NDF : 16252176.9/67

- sign 320.144+/-0.057 χ^2/NDF : 9005633.4/34

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 $\pm$ 0.105 χ^2 /NDF: 8.8/15

Left Out: 0.051 $\pm$ 0.147 χ^2 /NDF:24.3/16

Right Out: 0.086 $\pm$ 0.097 χ^2 /NDF: 21.8/17

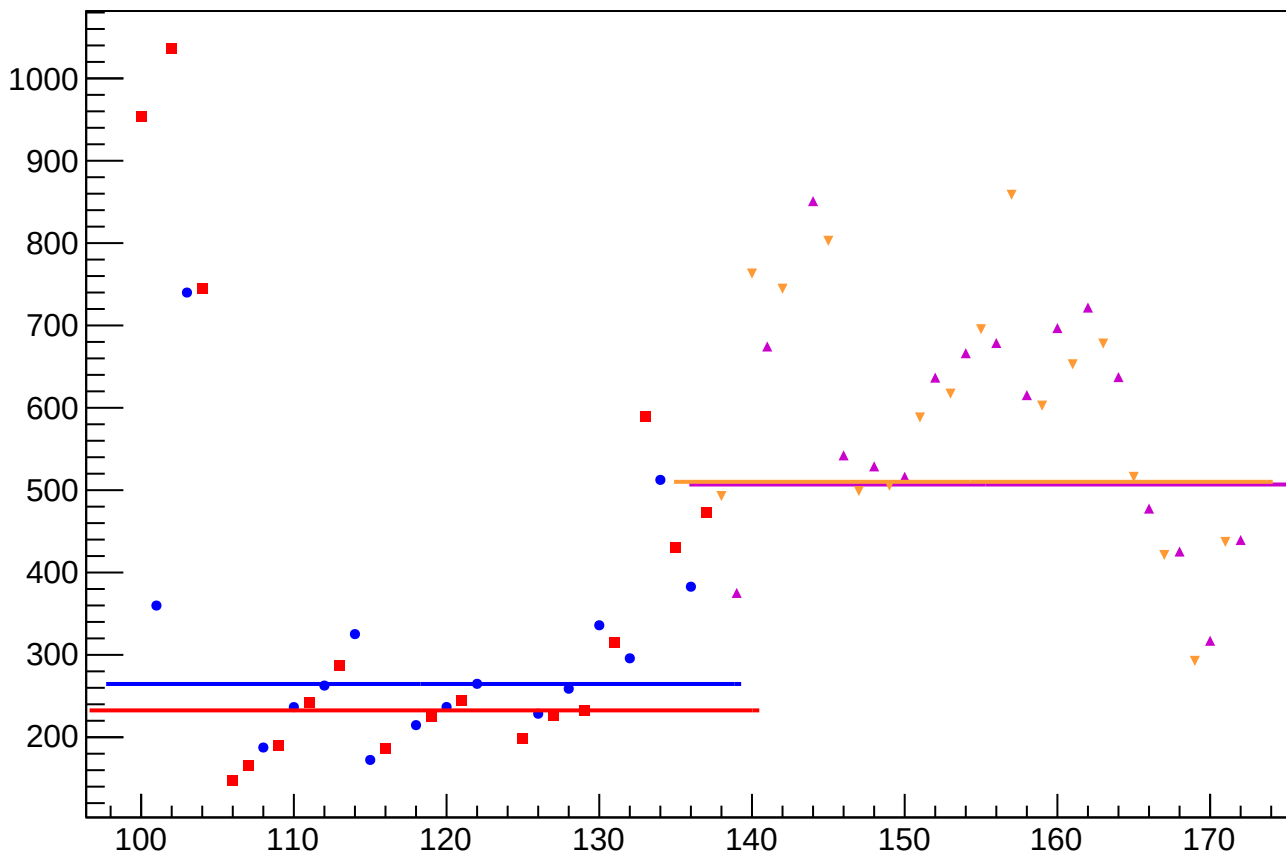
Left In: -0.159 $\pm$ 0.142 χ^2 /NDF:22.9/16

+ sign 0.075 $\pm$ 0.085 χ^2 /NDF: 33.2/32

All: 0.039 $\pm$ 0.059 χ^2 /NDF: 80.3/67

- sign 0.008 $\pm$ 0.080 χ^2 /NDF: 46.7/34

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667+/-0.074 χ^2/NDF : 1284007.6/15

Left Out: 510.143+/-0.104 χ^2/NDF : 2153257.8/16

Right Out: 232.596+/-0.069 χ^2/NDF : 2032662.7/17

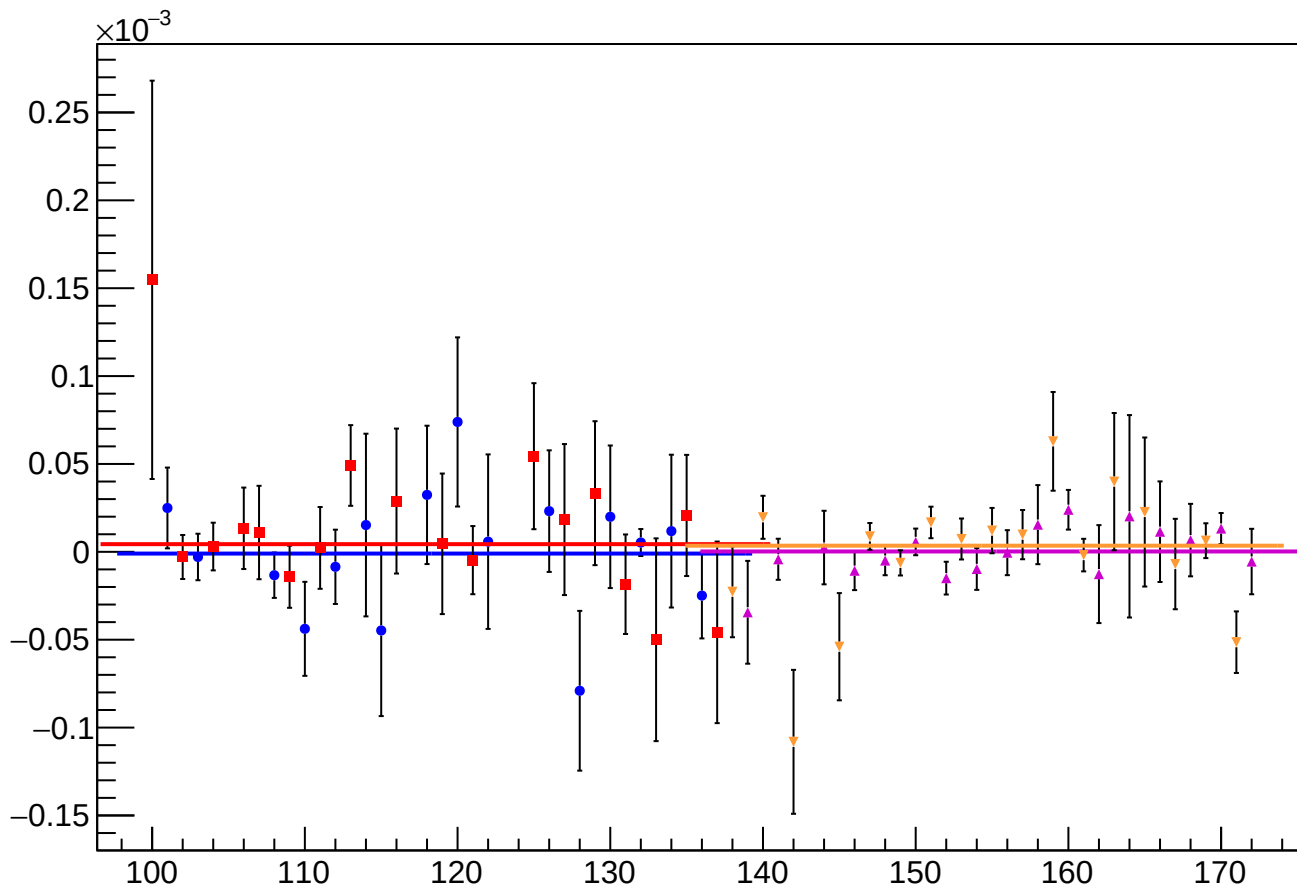
Left In: 506.888+/-0.101 χ^2/NDF : 1903797.5/16

+ sign 347.830+/-0.060 χ^2/NDF : 7135063.0/32

All: 333.131+/-0.041 χ^2/NDF : 16252176.9/67

- sign 320.144+/-0.057 χ^2/NDF : 9005633.4/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.0/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/17

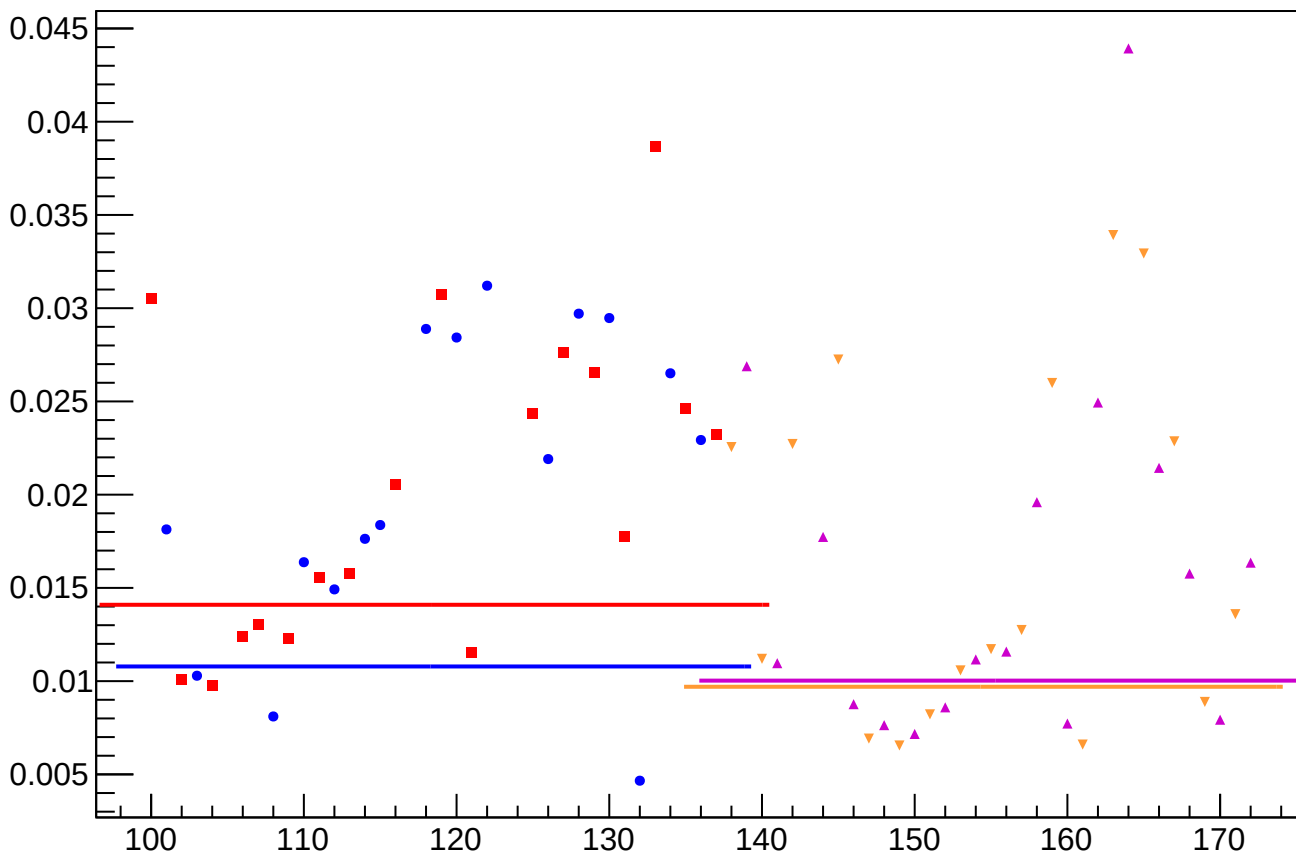
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:14.5/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.9/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.5/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 4580054.6/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:5150558.3/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084942.5/17

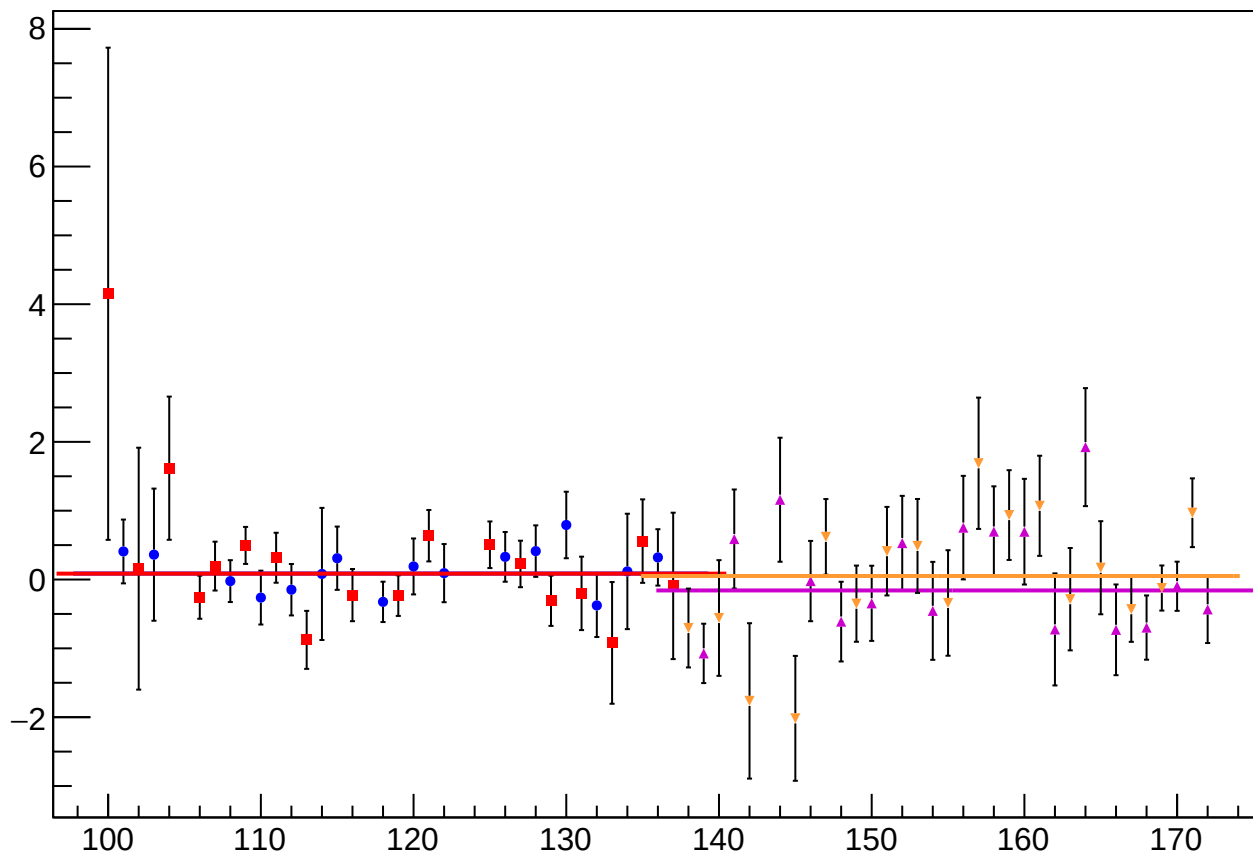
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:4044429.6/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 9800337.4/32

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 16836769.6/67

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 6912195.6/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

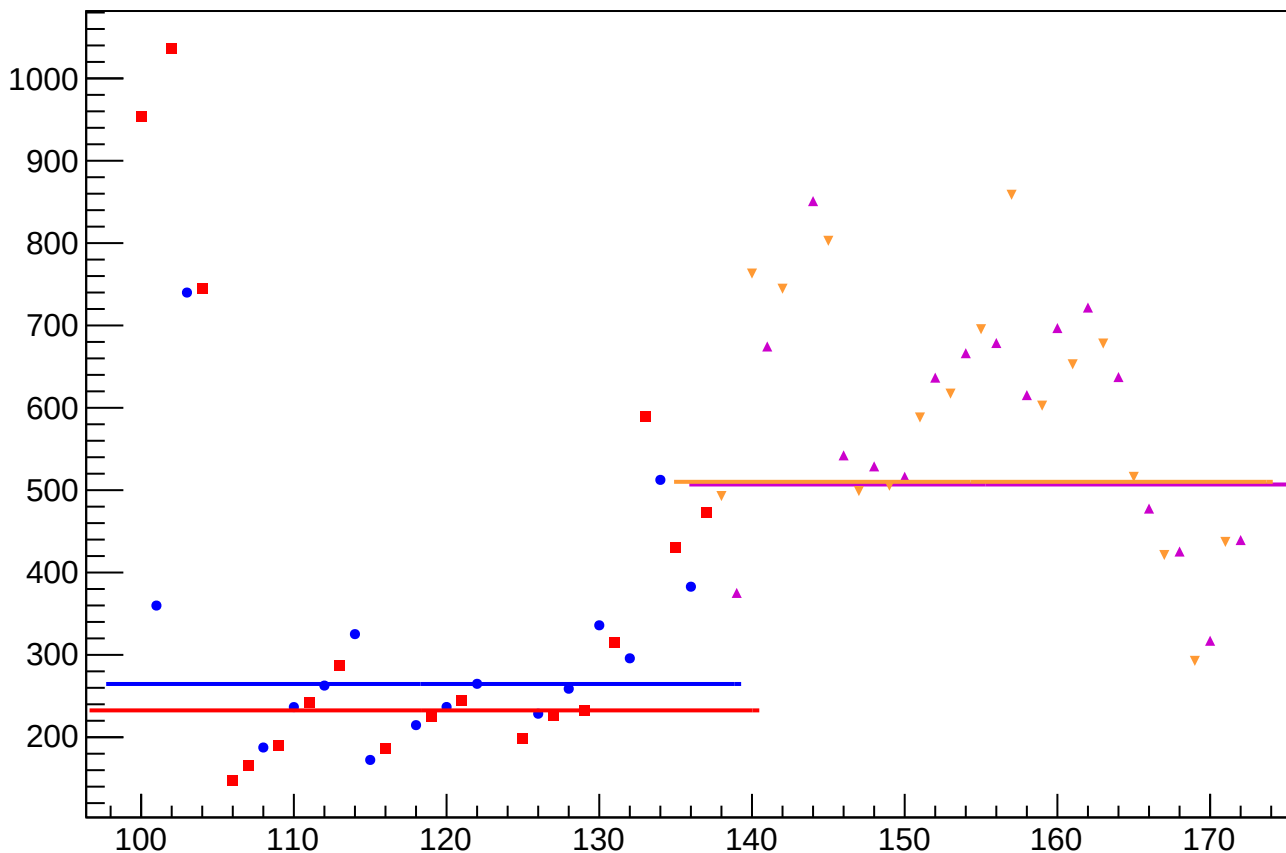
Left In: -0.159 ± 0.142 χ^2/NDF : 22.9/16

+ sign 0.075 ± 0.085 χ^2/NDF : 33.2/32

All: 0.039 ± 0.059 χ^2/NDF : 80.3/67

- sign 0.008 ± 0.080 χ^2/NDF : 46.7/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1283977.8/15

Left Out: 510.145 $\pm$ 0.104 χ^2 /NDF: 2153362.0/16

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

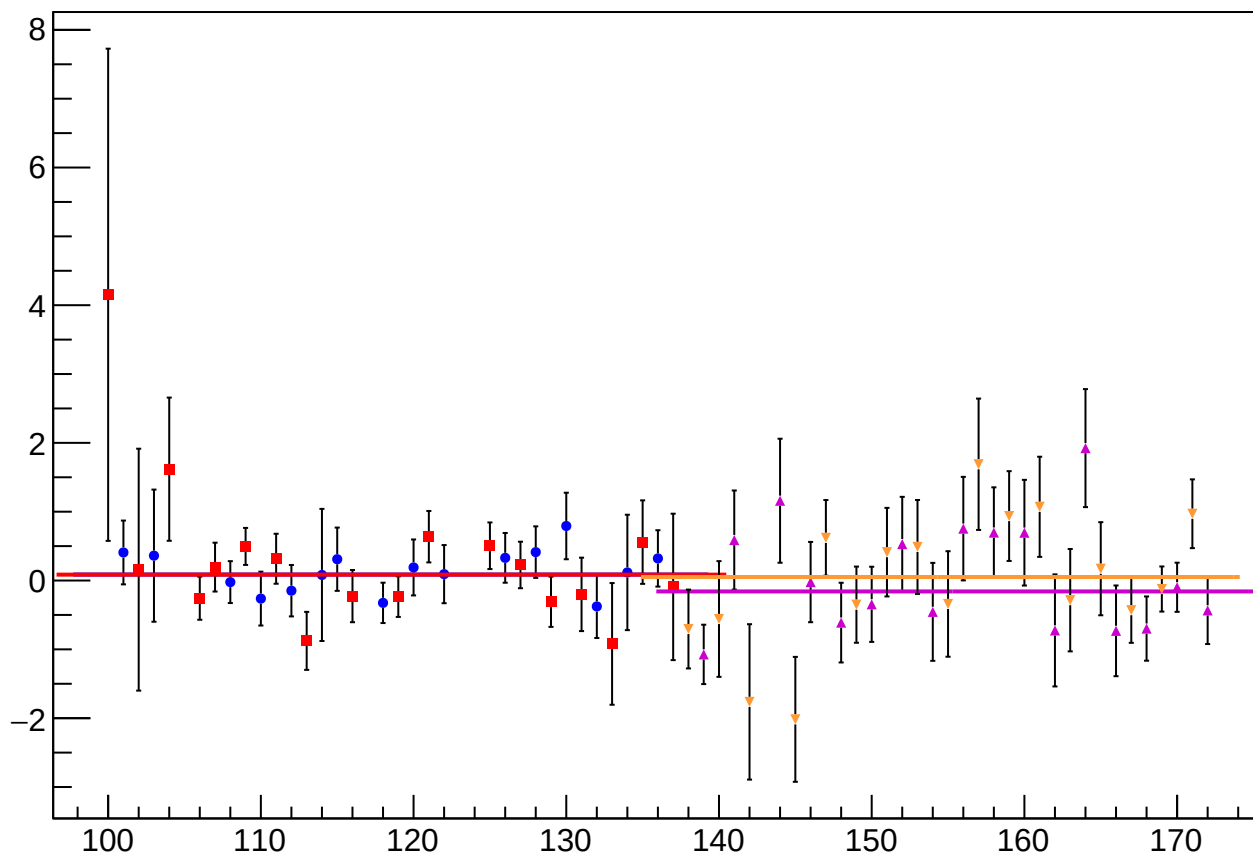
Left In: 506.893 $\pm$ 0.101 χ^2 /NDF: 1903835.6/16

+ sign 347.830 $\pm$ 0.060 χ^2 /NDF: 7135188.7/32

All: 333.131 $\pm$ 0.041 χ^2 /NDF: 16252387.6/67

- sign 320.145 $\pm$ 0.057 χ^2 /NDF: 9005728.2/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.087 ± 0.105 χ^2/NDF : 8.8/15

Left Out: 0.051 ± 0.147 χ^2/NDF : 24.3/16

Right Out: 0.086 ± 0.097 χ^2/NDF : 21.8/17

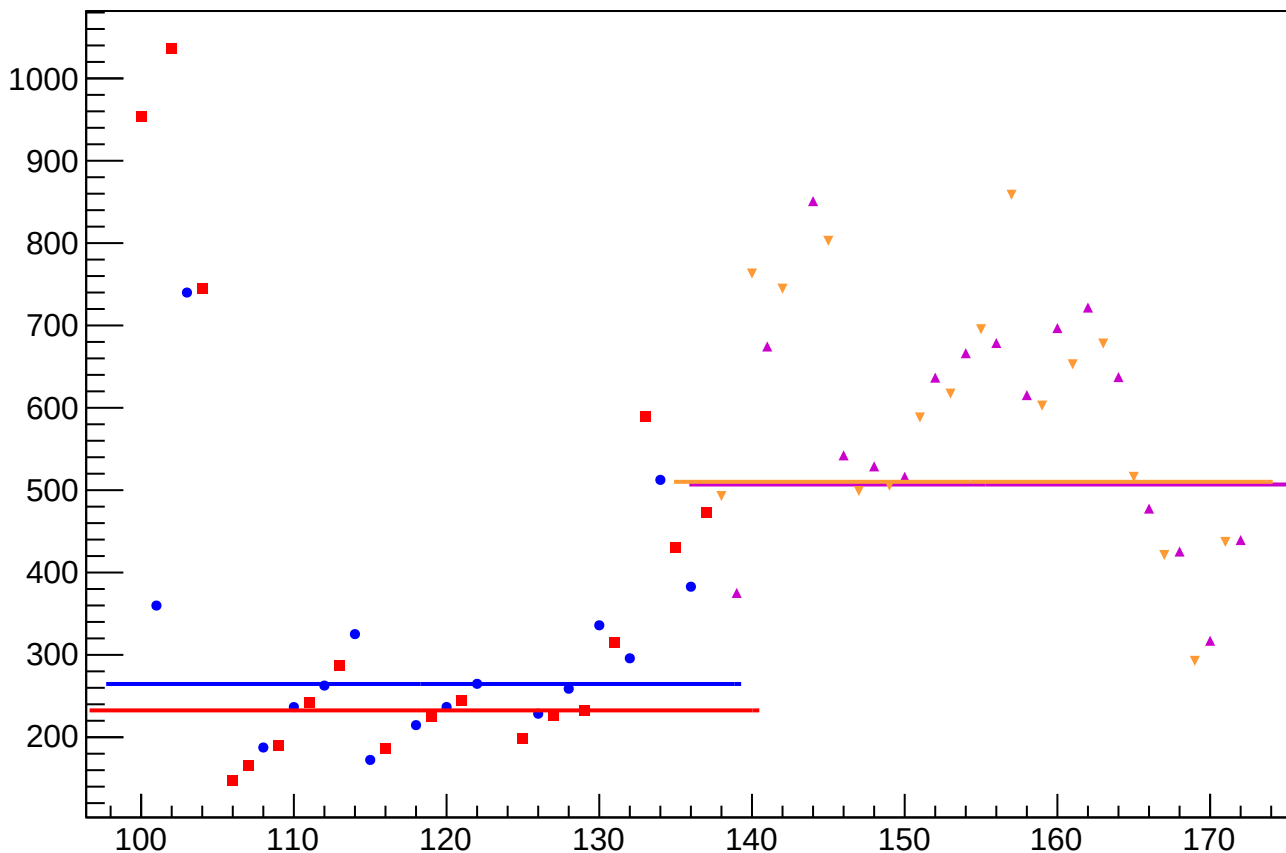
Left In: -0.159 ± 0.142 χ^2/NDF : 22.9/16

+ sign 0.075 ± 0.085 χ^2/NDF : 33.2/32

All: 0.039 ± 0.059 χ^2/NDF : 80.3/67

- sign 0.008 ± 0.080 χ^2/NDF : 46.7/34

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.667 $\pm$ 0.074 χ^2 /NDF: 1283977.8/15

Left Out: 510.145 $\pm$ 0.104 χ^2 /NDF:2153362.0/16

Right Out: 232.596 $\pm$ 0.069 χ^2 /NDF: 2032655.0/17

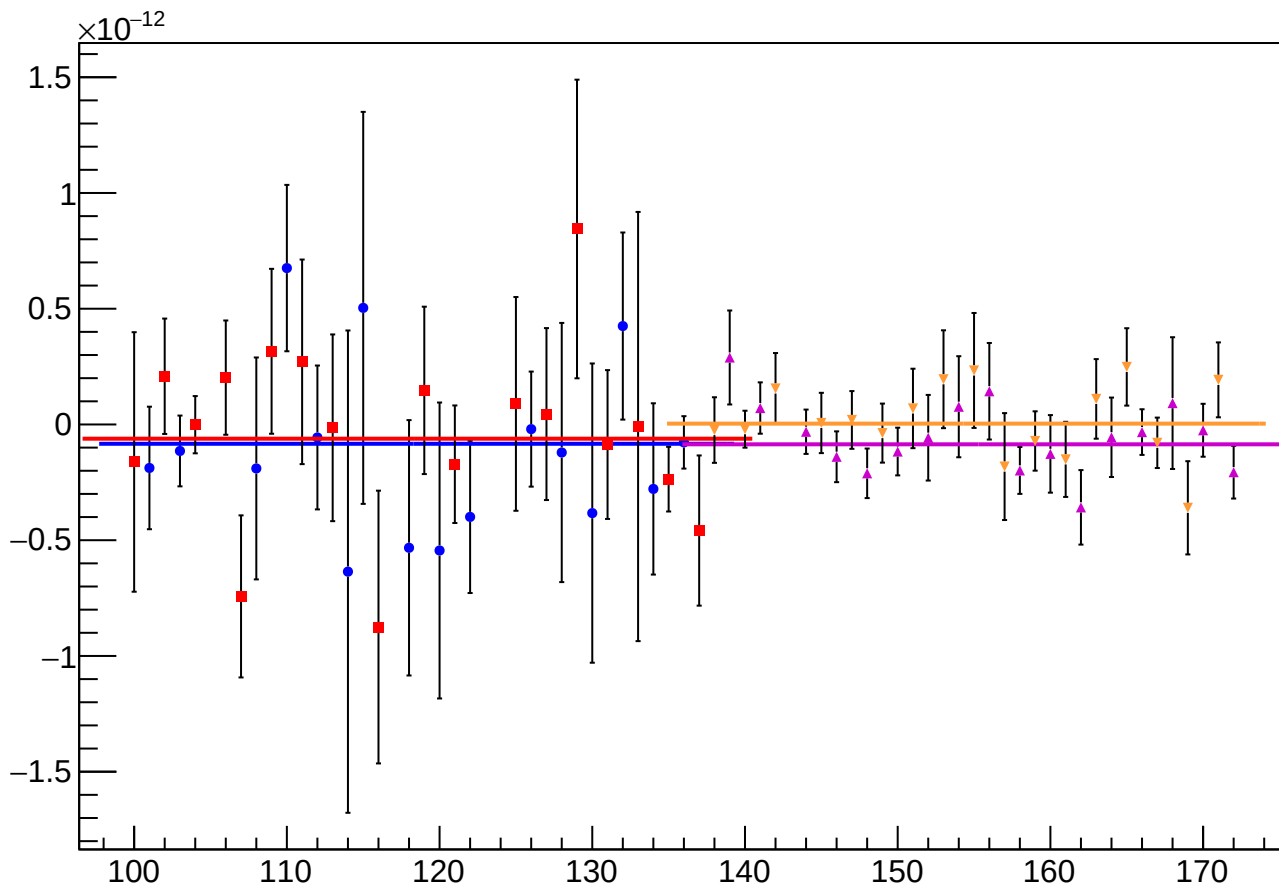
Left In: 506.893 $\pm$ 0.101 χ^2 /NDF:1903835.6/16

+ sign 347.830 $\pm$ 0.060 χ^2 /NDF: 7135188.7/32

All: 333.131 $\pm$ 0.041 χ^2 /NDF: 16252387.6/67

- sign 320.145 $\pm$ 0.057 χ^2 /NDF: 9005728.2/34

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

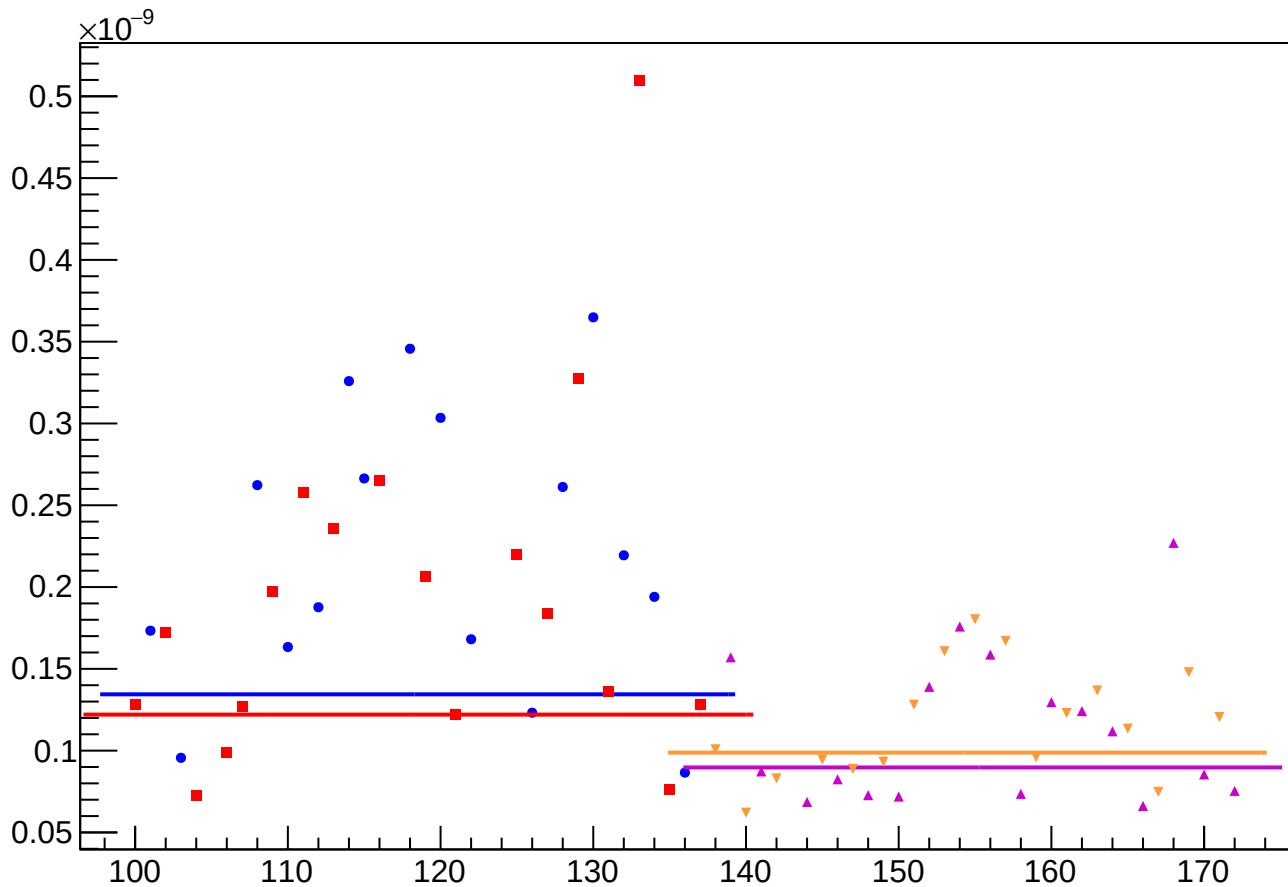
Left In: -0.000 ± 0.000 χ^2/NDF : 15.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 23.7/32

All: -0.000 ± 0.000 χ^2/NDF : 57.6/67

- sign -0.000 ± 0.000 χ^2/NDF : 31.3/34

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

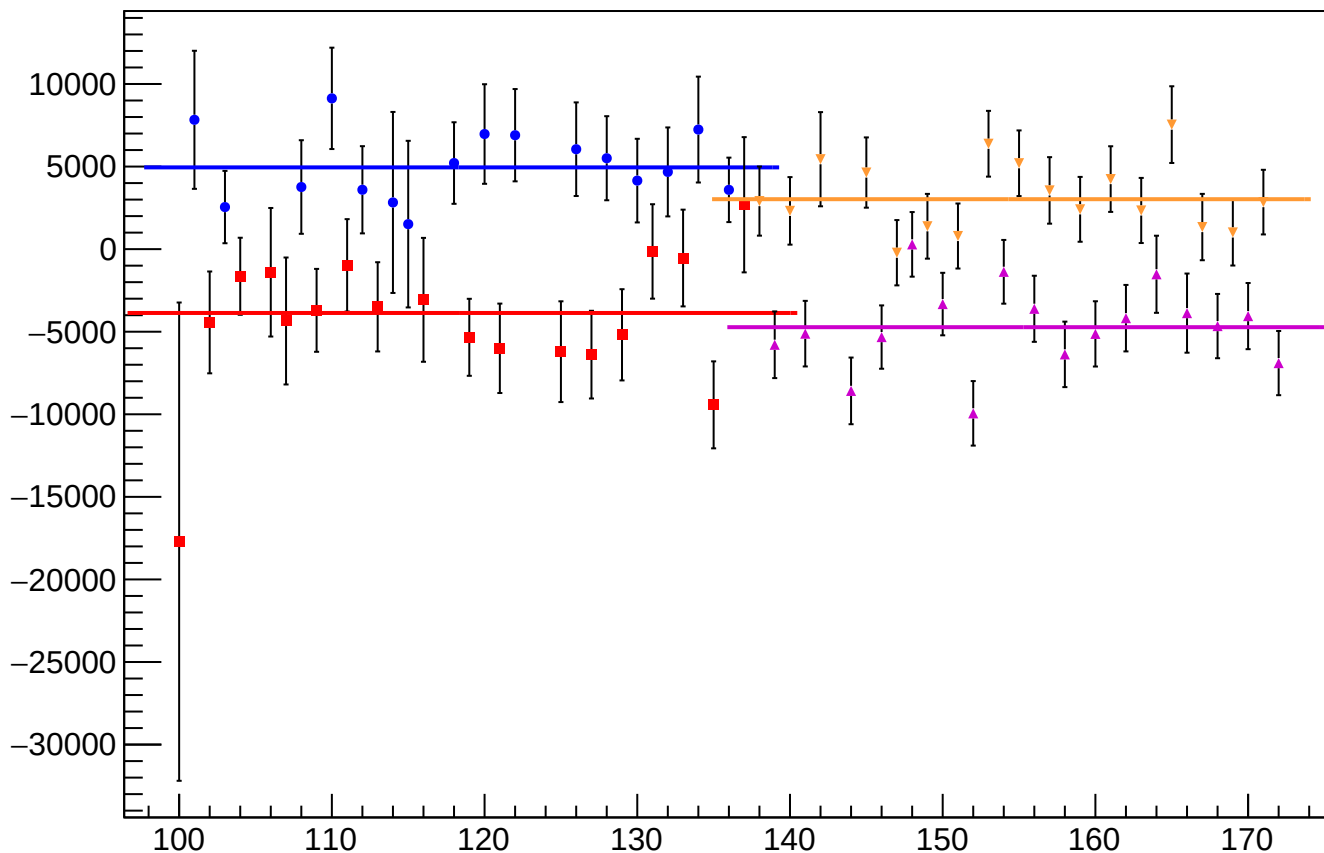
Left In: 0.000+/-0.000 χ^2/NDF : 2011668.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 3737656.7/32

All: 0.000+/-0.000 χ^2/NDF : 8275152.8/67

- sign 0.000+/-0.000 χ^2/NDF : 4421280.7/34

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4950.321 $\pm$ 698.937 χ^2 /NDF: 6.8/15

Left Out: 3024.476 $\pm$ 496.854 χ^2 /NDF:16.3/16

Right Out: -3865.145 $\pm$ 695.781 χ^2 /NDF: 16.2/17

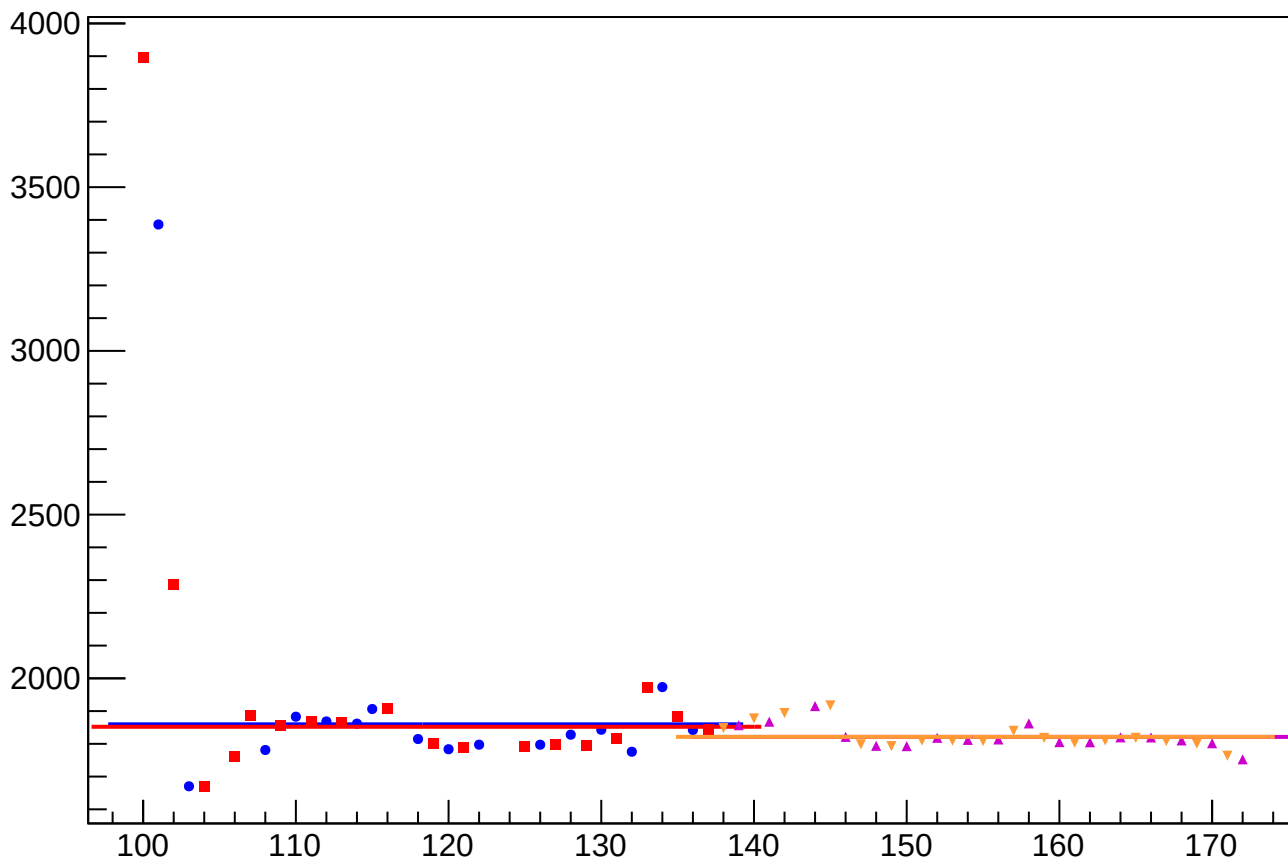
Left In: -4725.623 $\pm$ 486.220 χ^2 /NDF:25.8/16

+ sign 3670.977 $\pm$ 404.960 χ^2 /NDF: 28.2/32

All: -450.888 $\pm$ 284.056 χ^2 /NDF: 275.2/67

- sign -4443.292 $\pm$ 398.549 χ^2 /NDF: 43.0/34

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292334.6/15

Left Out: 1821.267 $\pm$ 0.351 χ^2 /NDF:10559.0/16

Right Out: 1852.065 $\pm$ 0.490 χ^2 /NDF: 102212.5/17

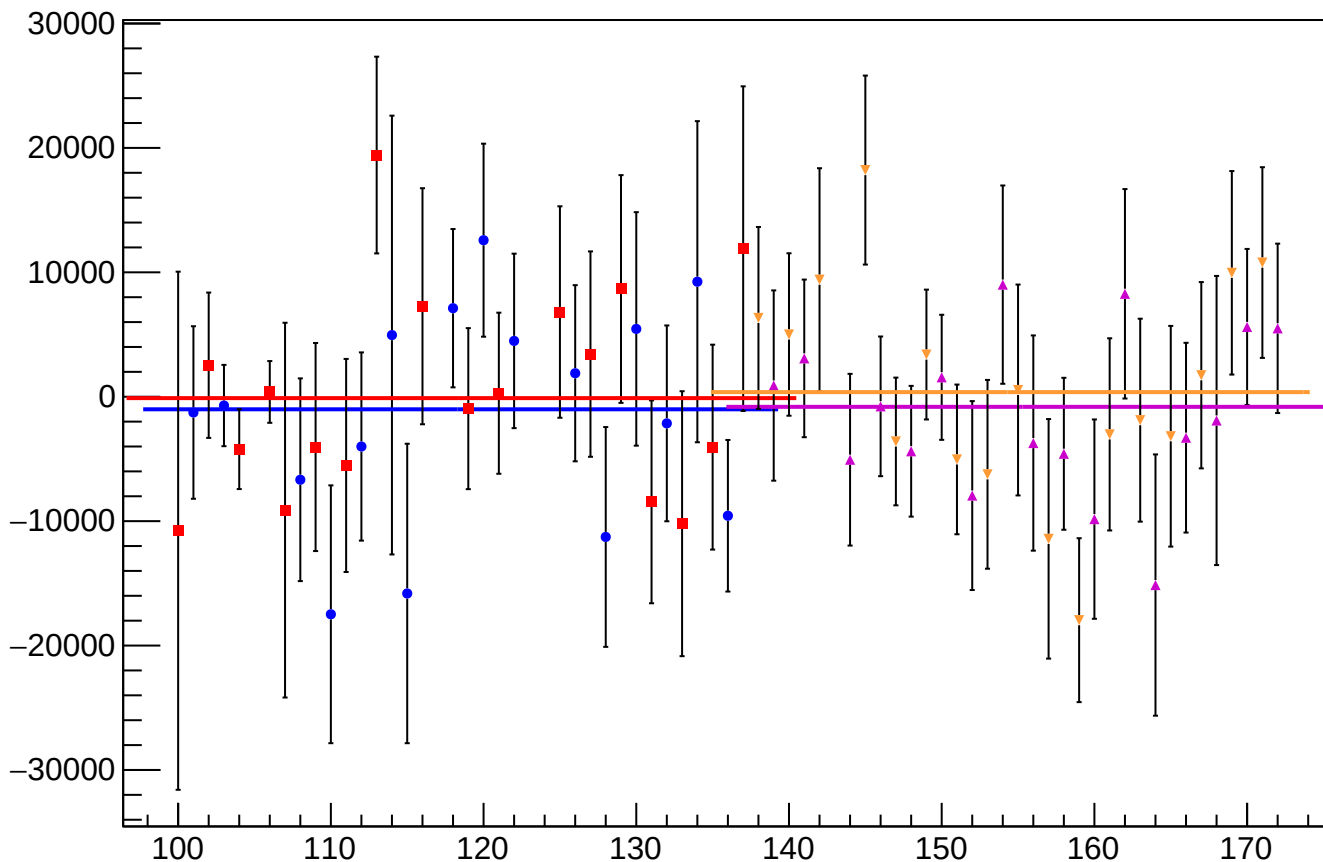
Left In: 1821.115 $\pm$ 0.344 χ^2 /NDF:10833.8/16

+ sign 1834.105 $\pm$ 0.286 χ^2 /NDF: 306871.1/32

All: 1832.685 $\pm$ 0.201 χ^2 /NDF: 422635.6/67

- sign 1831.312 $\pm$ 0.282 χ^2 /NDF: 115716.1/34

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



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

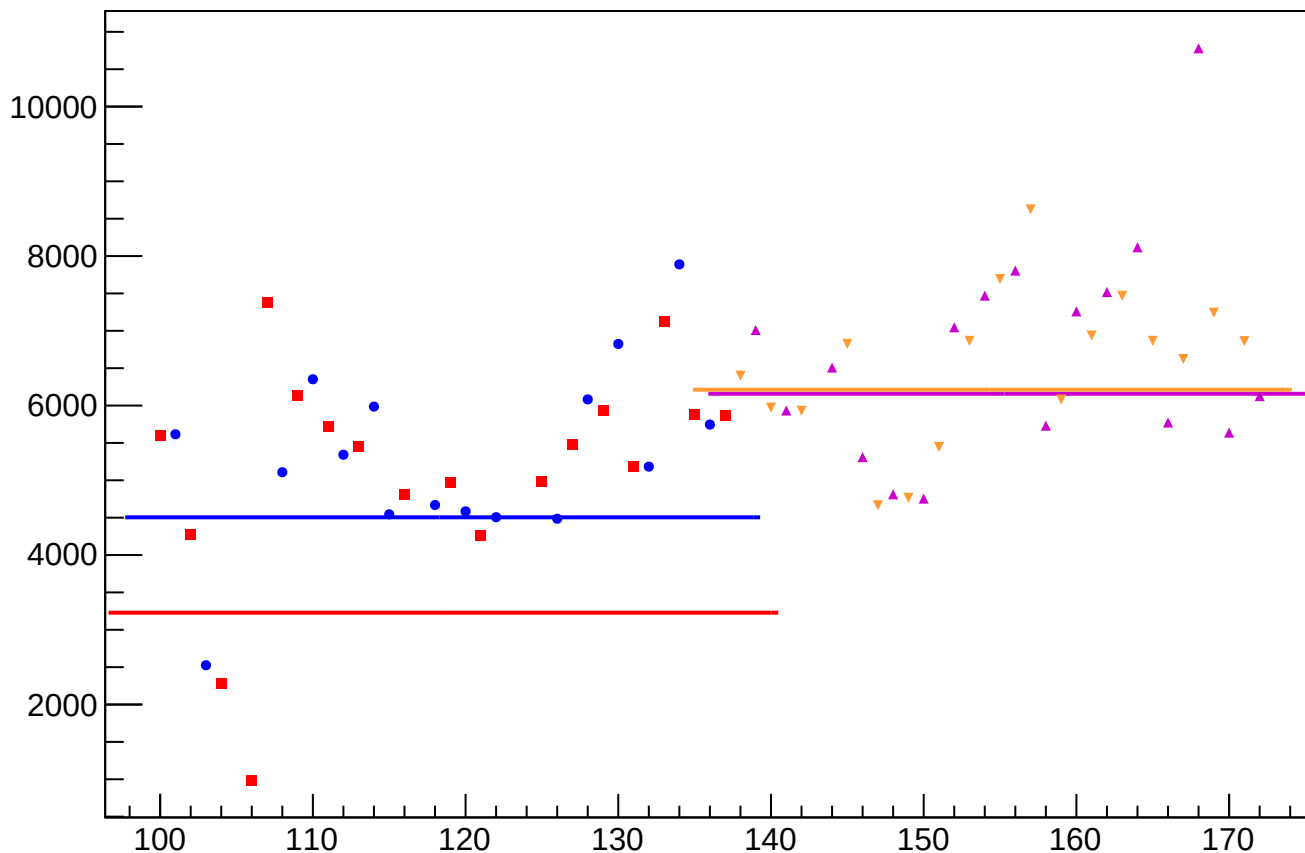
Left In: -812.098 ± 1680.305 χ^2/NDF : 10.7/16

+ sign -306.671 ± 1235.587 χ^2/NDF : 38.2/32

All: -363.343 ± 818.560 χ^2/NDF : 63.6/67

- sign -407.671 ± 1092.763 χ^2/NDF : 25.4/34

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



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

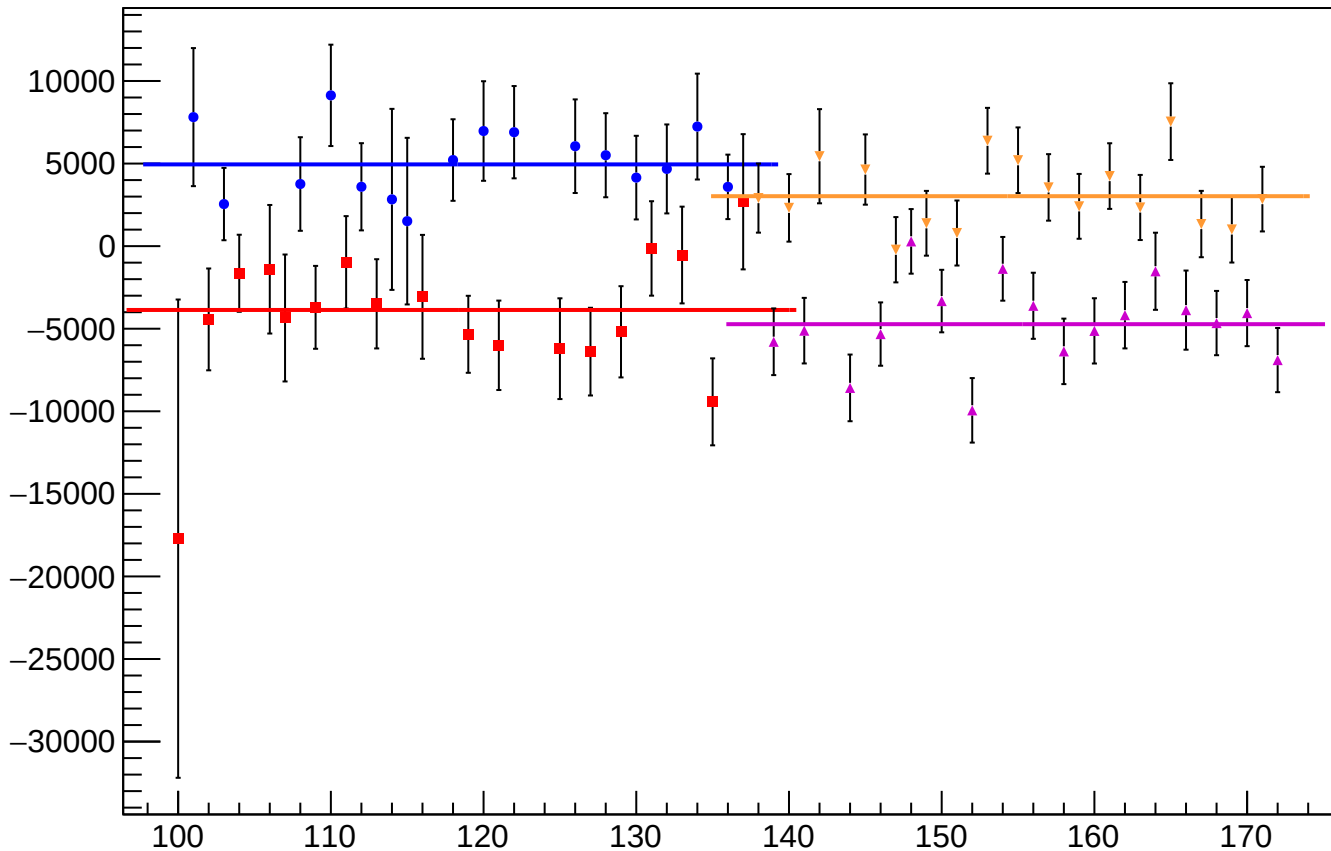
Left In: 6157.550+/-1.188 χ^2/NDF : 1024085.2/16

+ sign 5374.685+/-0.874 χ^2/NDF : 2992696.7/32

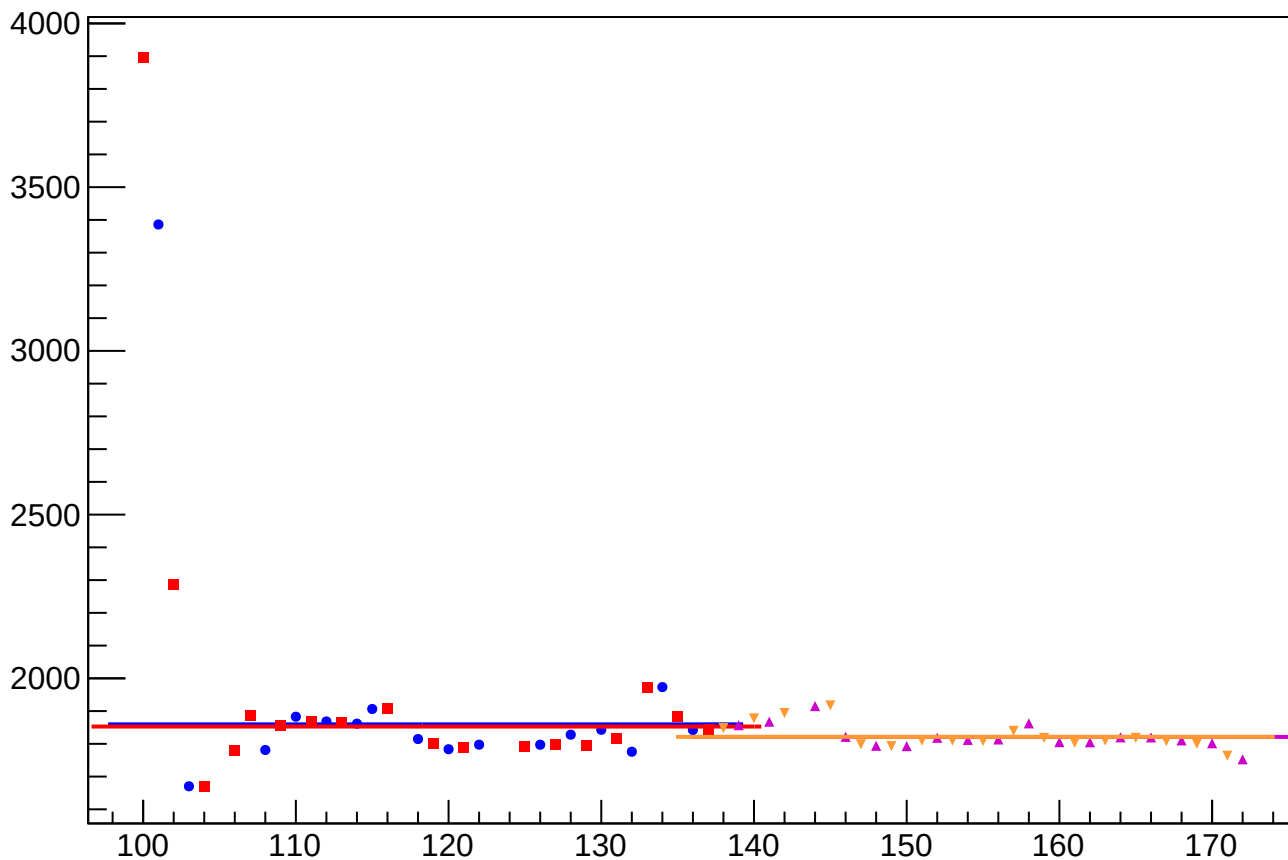
All: 4865.577+/-0.579 χ^2/NDF : 12085024.3/6

- sign 4467.365+/-0.773 χ^2/NDF : 8487190.1/34

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292336.5/15

Left Out: 1821.267 $\pm$ 0.351 χ^2 /NDF:10559.0/16

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

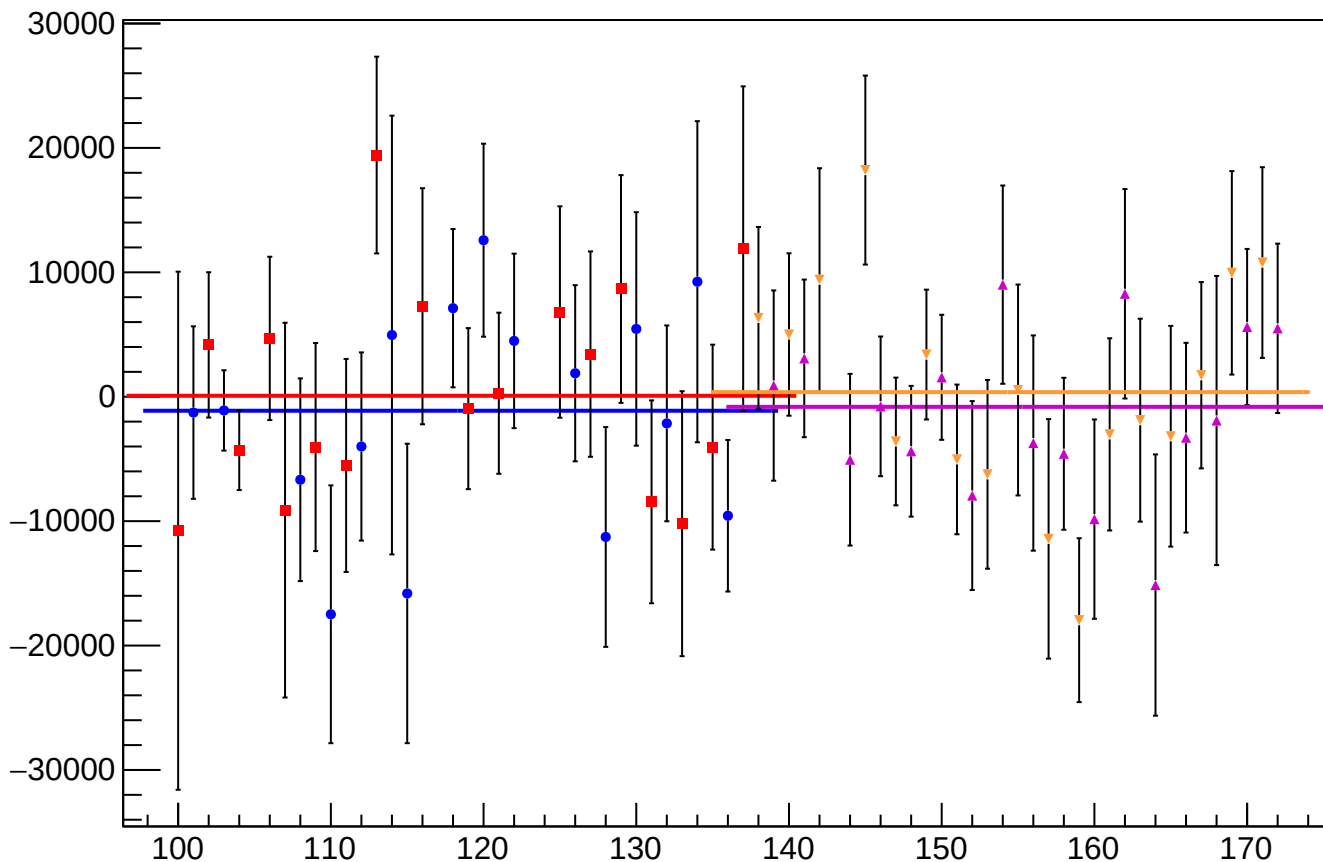
Left In: 1821.115 $\pm$ 0.344 χ^2 /NDF:10833.8/16

+ sign 1834.105 $\pm$ 0.286 χ^2 /NDF: 306873.0/32

All: 1832.801 $\pm$ 0.201 χ^2 /NDF: 422289.8/67

- sign 1831.540 $\pm$ 0.282 χ^2 /NDF: 115376.0/34

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



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

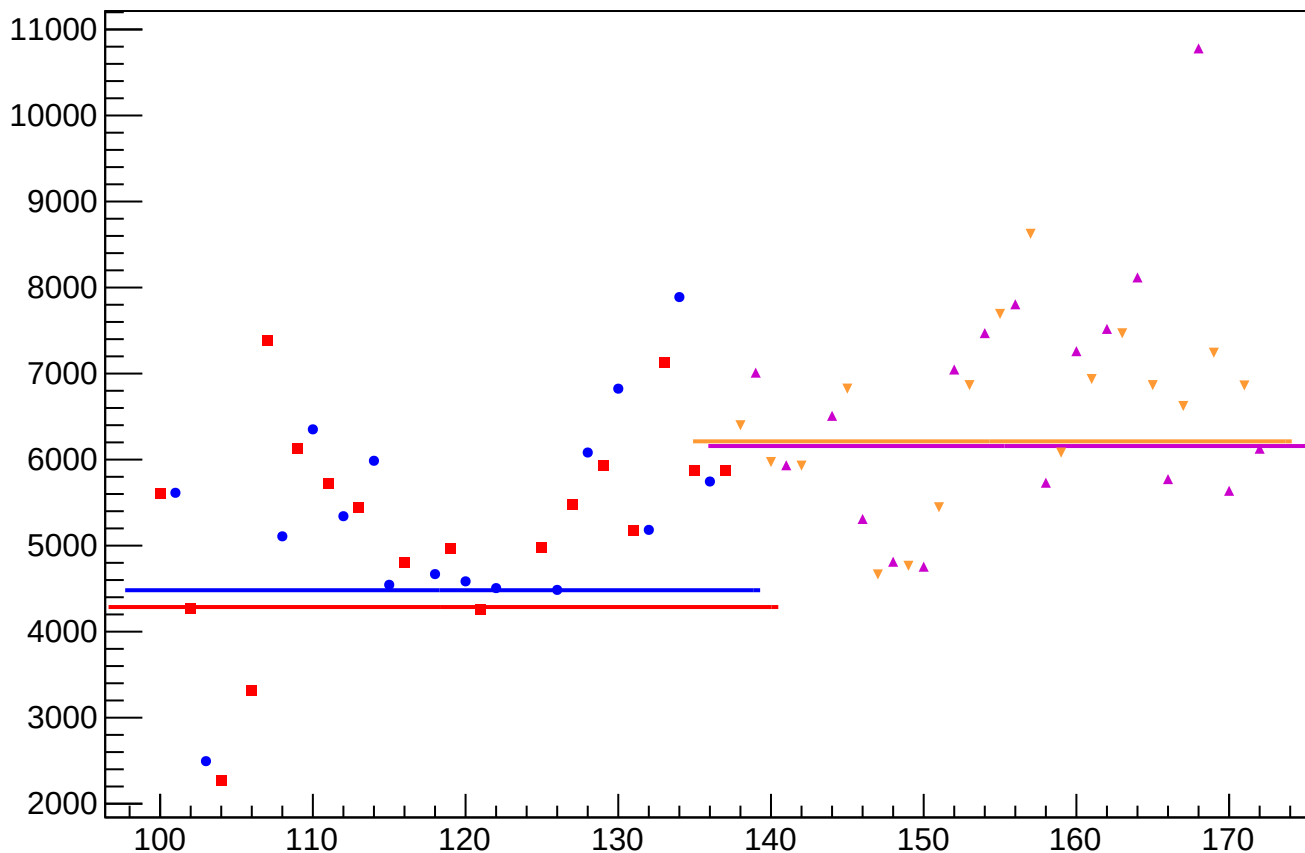
Left In: -812.202 ± 1680.304 χ^2/NDF : 10.7/16

+ sign -365.928 ± 1233.414 χ^2/NDF : 38.2/32

All: -369.466 ± 858.587 χ^2/NDF : 64.6/67

- sign -372.793 ± 1195.905 χ^2/NDF : 26.4/34

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

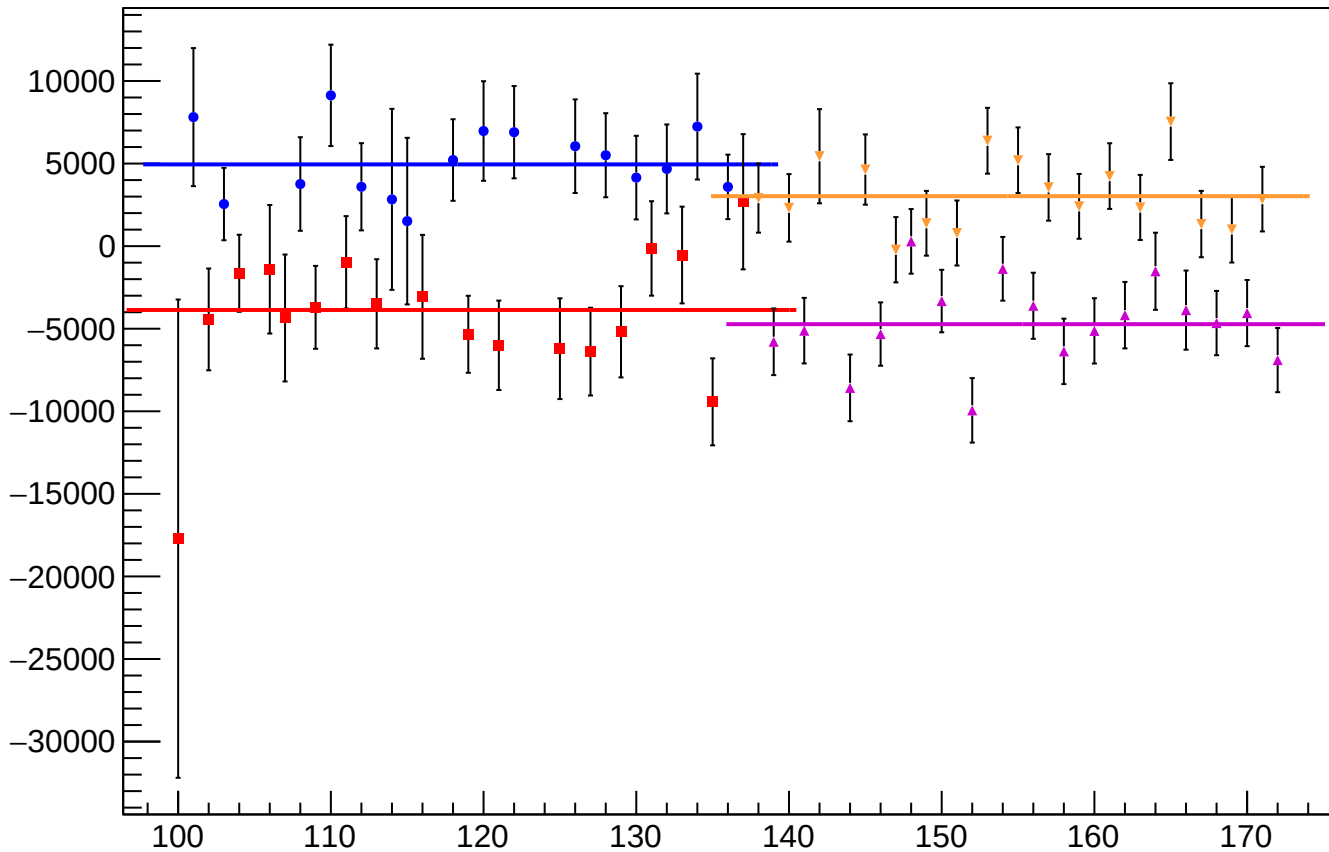
Left In: 6157.549+/-1.188 χ^2/NDF : 1024093.8/16

+ sign 5360.171+/-0.872 χ^2/NDF : 3063617.0/32

All: 5295.182+/-0.607 χ^2/NDF : 6872519.2/67

- sign 5234.085+/-0.846 χ^2/NDF : 3798129.4/34

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4949.838 $\pm$ 698.937 χ^2 /NDF: 6.8/15

Left Out: 3024.372 $\pm$ 496.854 χ^2 /NDF:16.3/16

Right Out: -3864.930 $\pm$ 695.781 χ^2 /NDF: 16.2/17

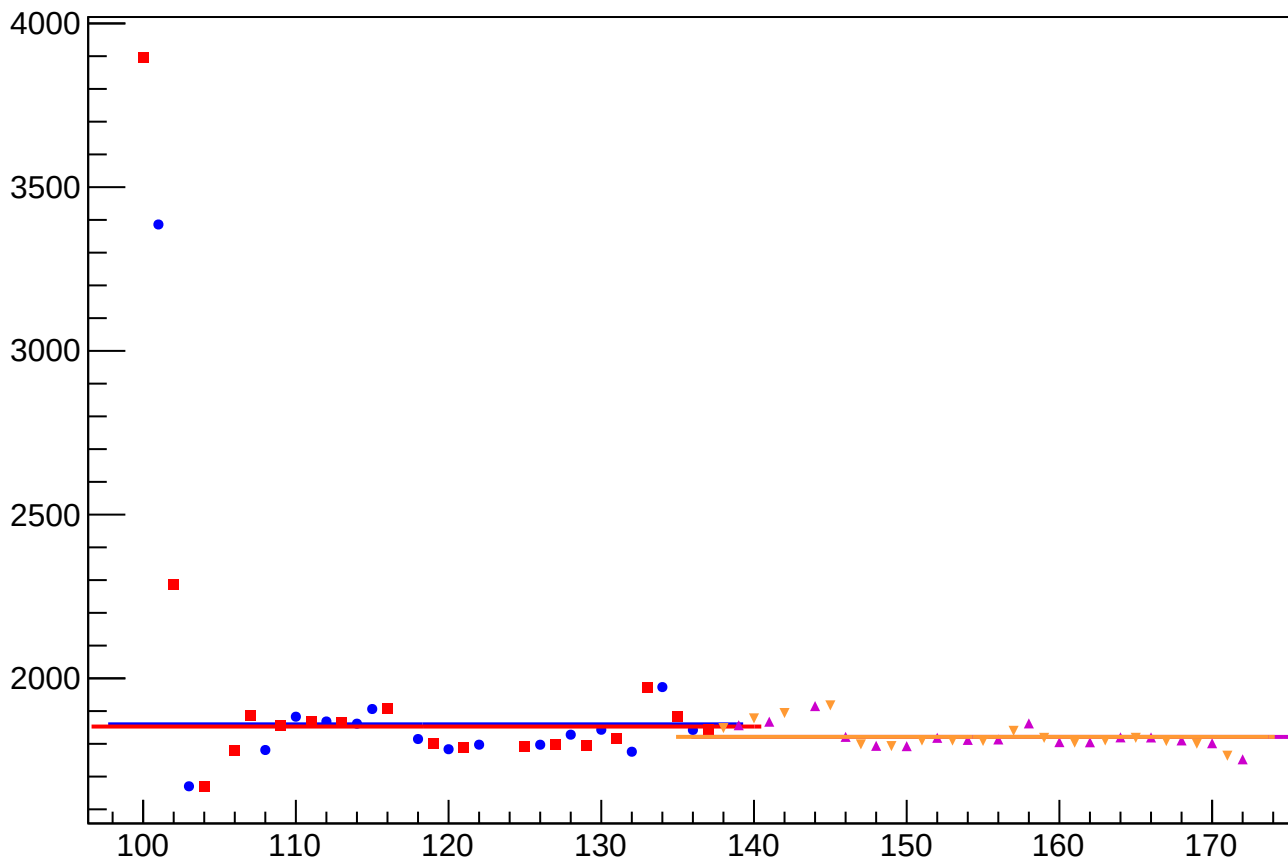
Left In: -4725.677 $\pm$ 486.220 χ^2 /NDF:25.8/16

+ sign 3670.746 $\pm$ 404.960 χ^2 /NDF: 28.2/32

All: -450.984 $\pm$ 284.056 χ^2 /NDF: 275.1/67

- sign -4443.257 $\pm$ 398.549 χ^2 /NDF: 43.0/34

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.509 $\pm$ 0.494 χ^2 /NDF: 292336.5/15

Left Out: 1821.267 $\pm$ 0.351 χ^2 /NDF:10559.0/16

Right Out: 1852.770 $\pm$ 0.491 χ^2 /NDF: 101750.5/17

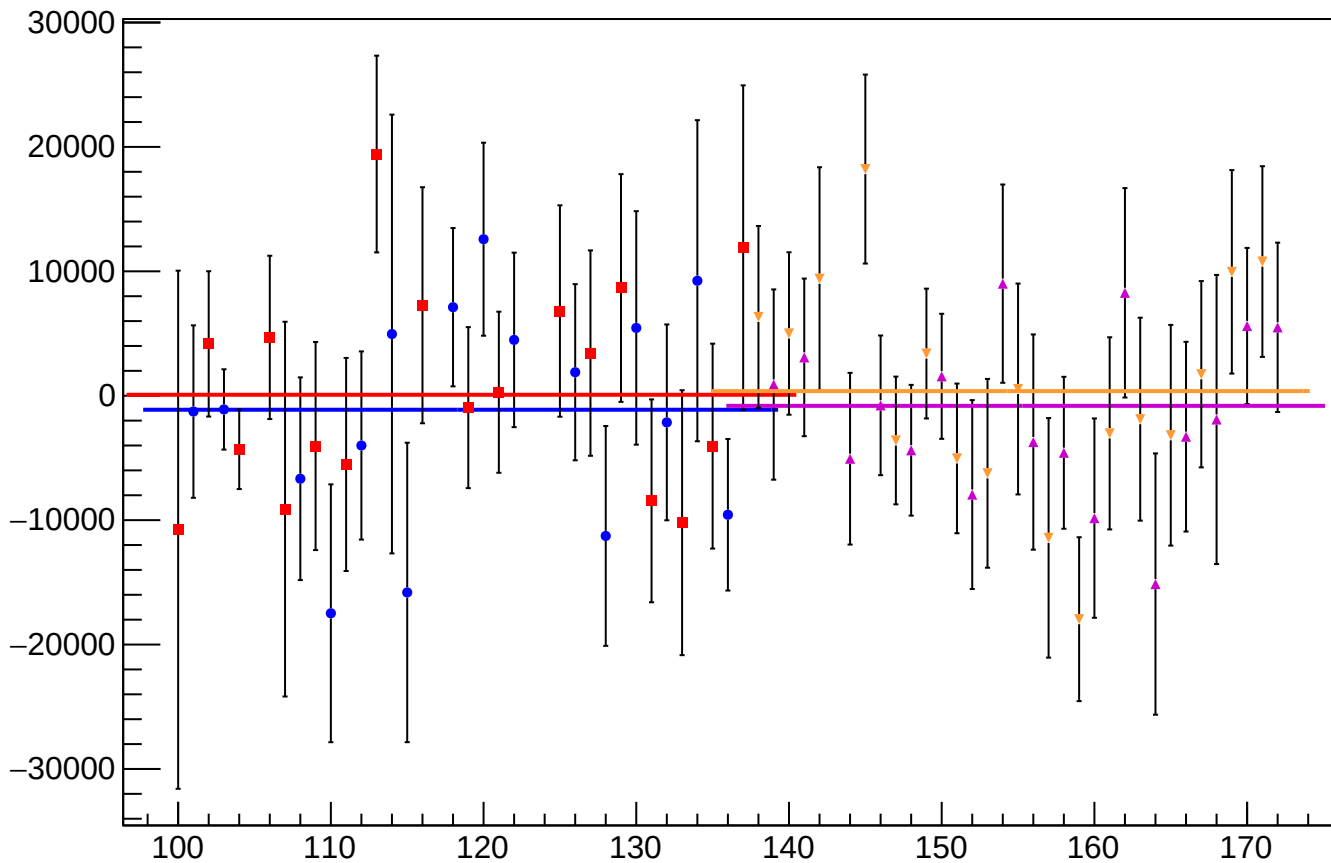
Left In: 1821.115 $\pm$ 0.344 χ^2 /NDF:10833.8/16

+ sign 1834.105 $\pm$ 0.286 χ^2 /NDF: 306873.0/32

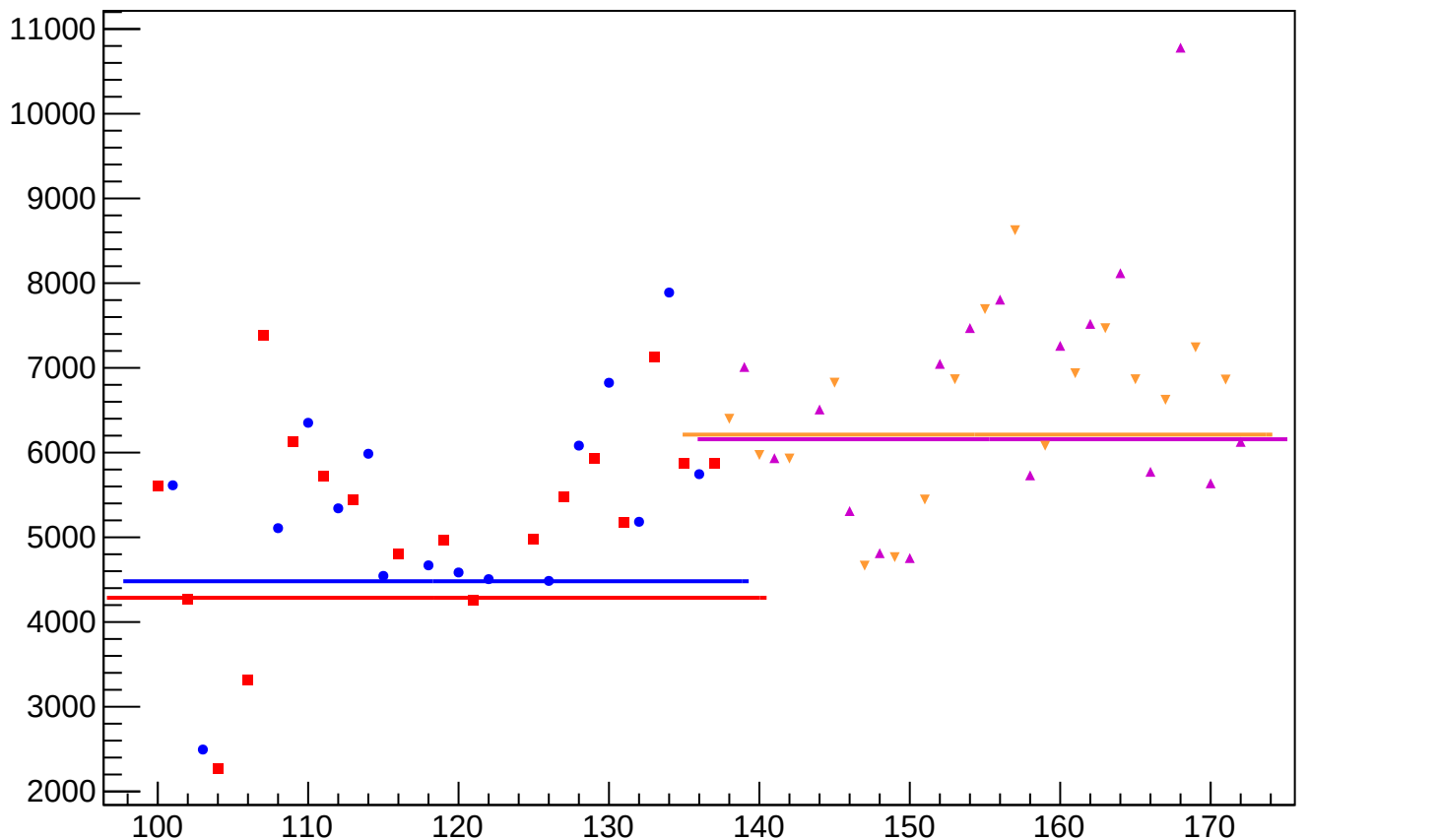
All: 1832.801 $\pm$ 0.201 χ^2 /NDF: 422289.8/67

- sign 1831.540 $\pm$ 0.282 χ^2 /NDF: 115376.0/34

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



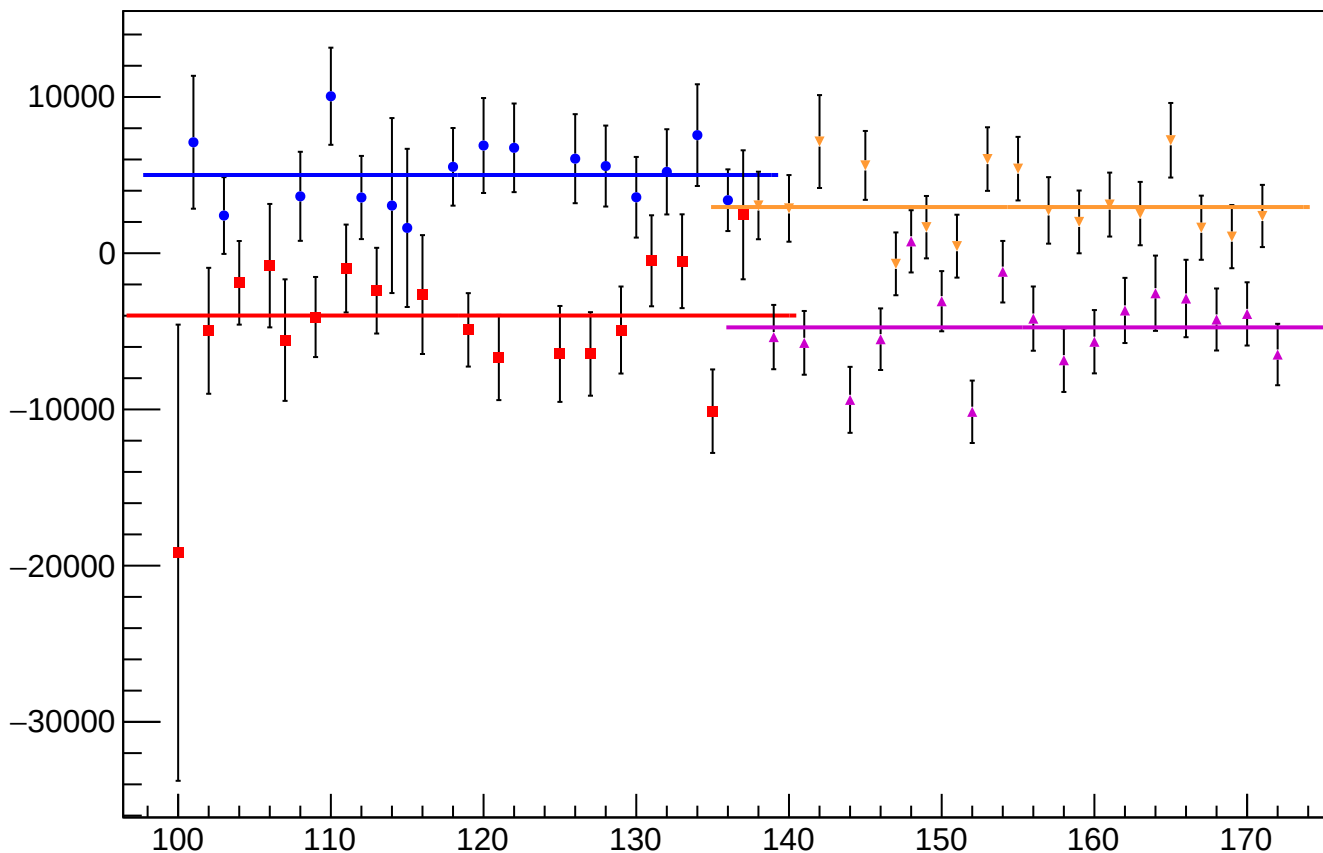
asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



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: 6157.549+/-1.188 χ^2/NDF : 1024093.8/16

+ sign 5360.171+/-0.872 χ^2/NDF : 3063617.0/32
 All: 5295.182+/-0.607 χ^2/NDF : 6872519.2/67
 - sign 5234.085+/-0.846 χ^2/NDF : 3798129.4/34

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.315 ± 714.061 χ^2/NDF : 7.7/15

Left Out: 2955.444 ± 510.323 χ^2/NDF : 17.3/16

Right Out: -3989.193 ± 719.024 χ^2/NDF : 17.4/17

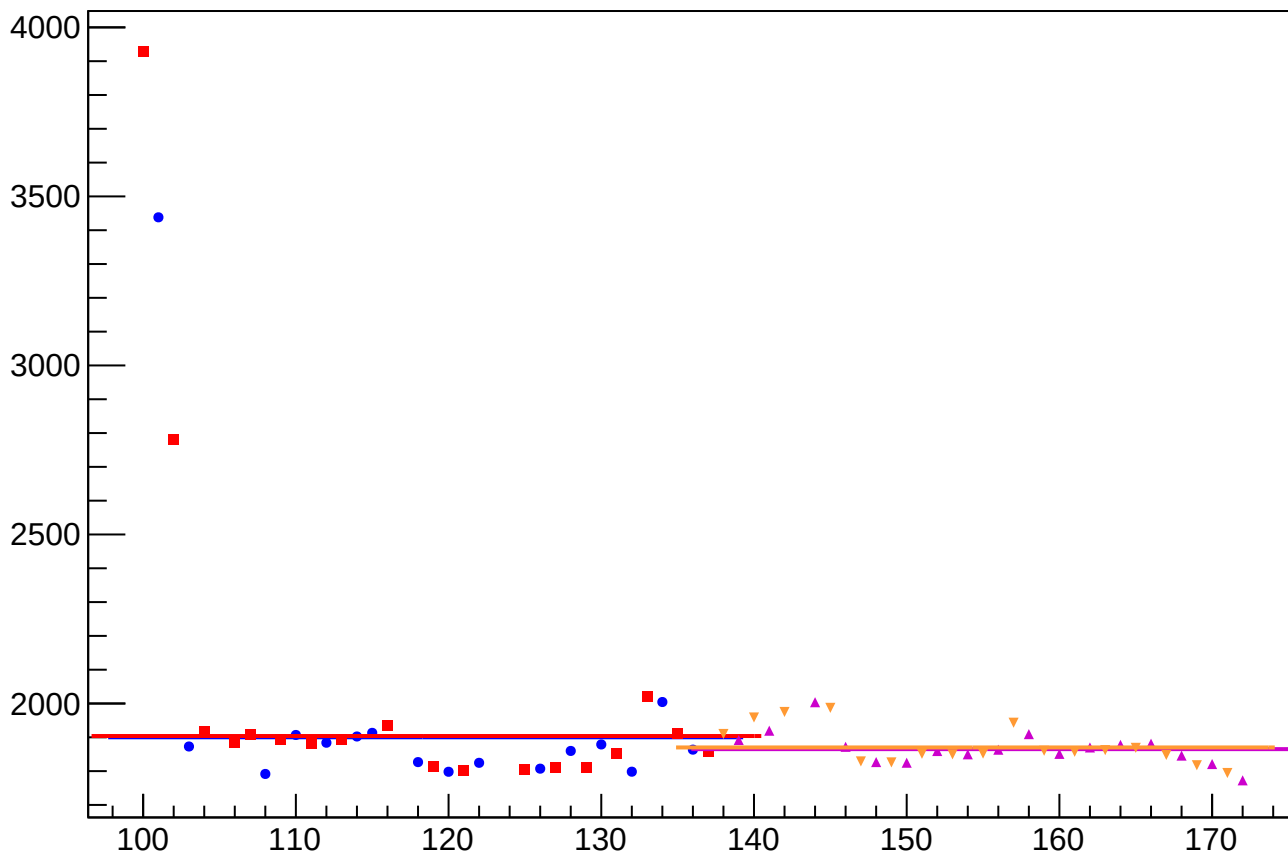
Left In: -4747.191 ± 498.065 χ^2/NDF : 28.3/16

+ sign 3649.145 ± 415.190 χ^2/NDF : 30.4/32

All: -483.054 ± 291.526 χ^2/NDF : 272.2/67

- sign -4501.414 ± 409.431 χ^2/NDF : 46.4/34

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111 $\pm$ 0.505 χ^2 /NDF: 278448.2/15

Left Out: 1870.024 $\pm$ 0.361 χ^2 /NDF: 21614.6/16

Right Out: 1903.827 $\pm$ 0.508 χ^2 /NDF: 150115.8/17

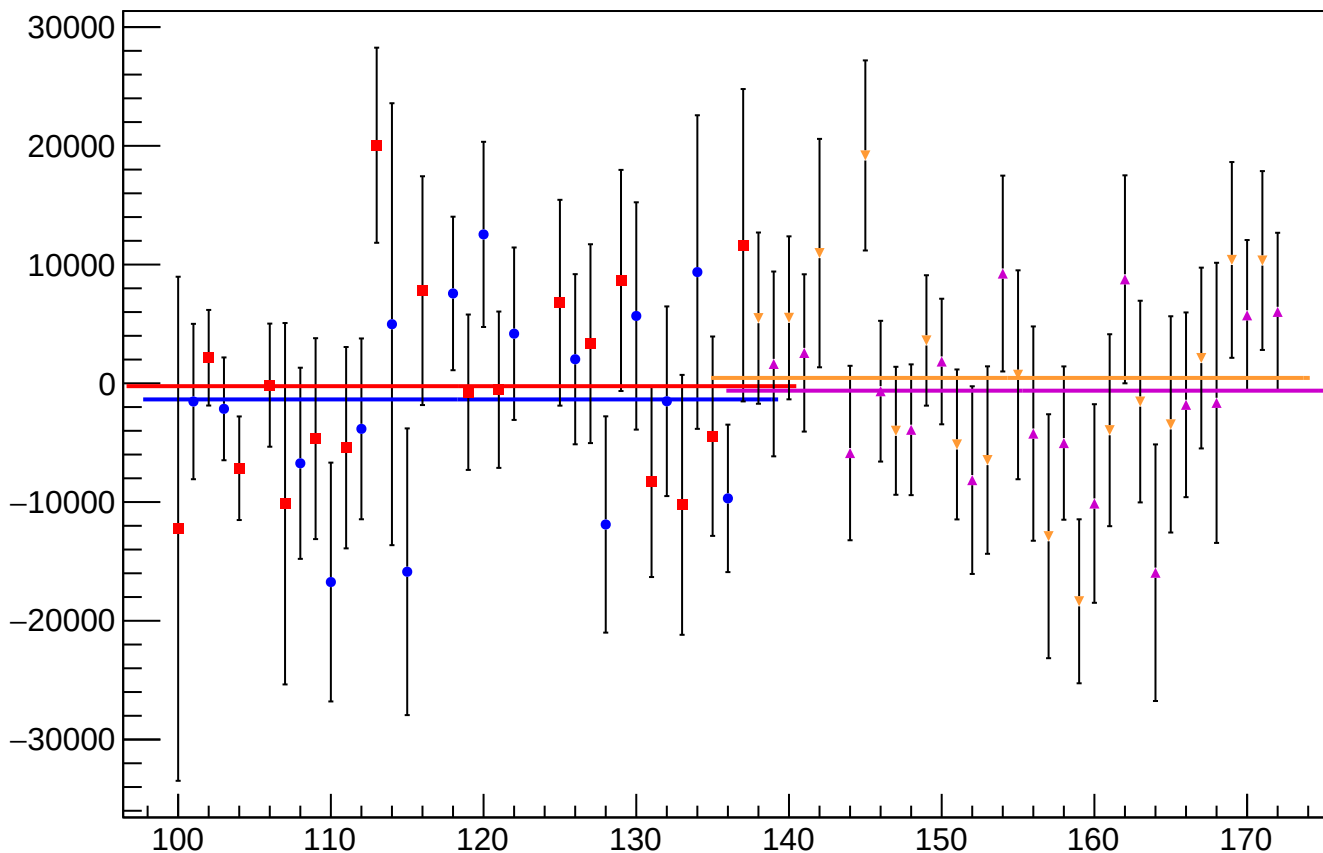
Left In: 1865.051 $\pm$ 0.352 χ^2 /NDF: 18915.4/16

+ sign 1880.196 $\pm$ 0.294 χ^2 /NDF: 302413.2/32

All: 1878.901 $\pm$ 0.206 χ^2 /NDF: 475419.1/67

- sign 1877.642 $\pm$ 0.289 χ^2 /NDF: 172967.6/34

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -1356.615+/-1895.990 χ^2/NDF : 14.7/15

Left Out: 453.751+/-1796.667 χ^2/NDF : 23.1/16

Right Out: -241.153+/-1712.681 χ^2/NDF : 15.7/17

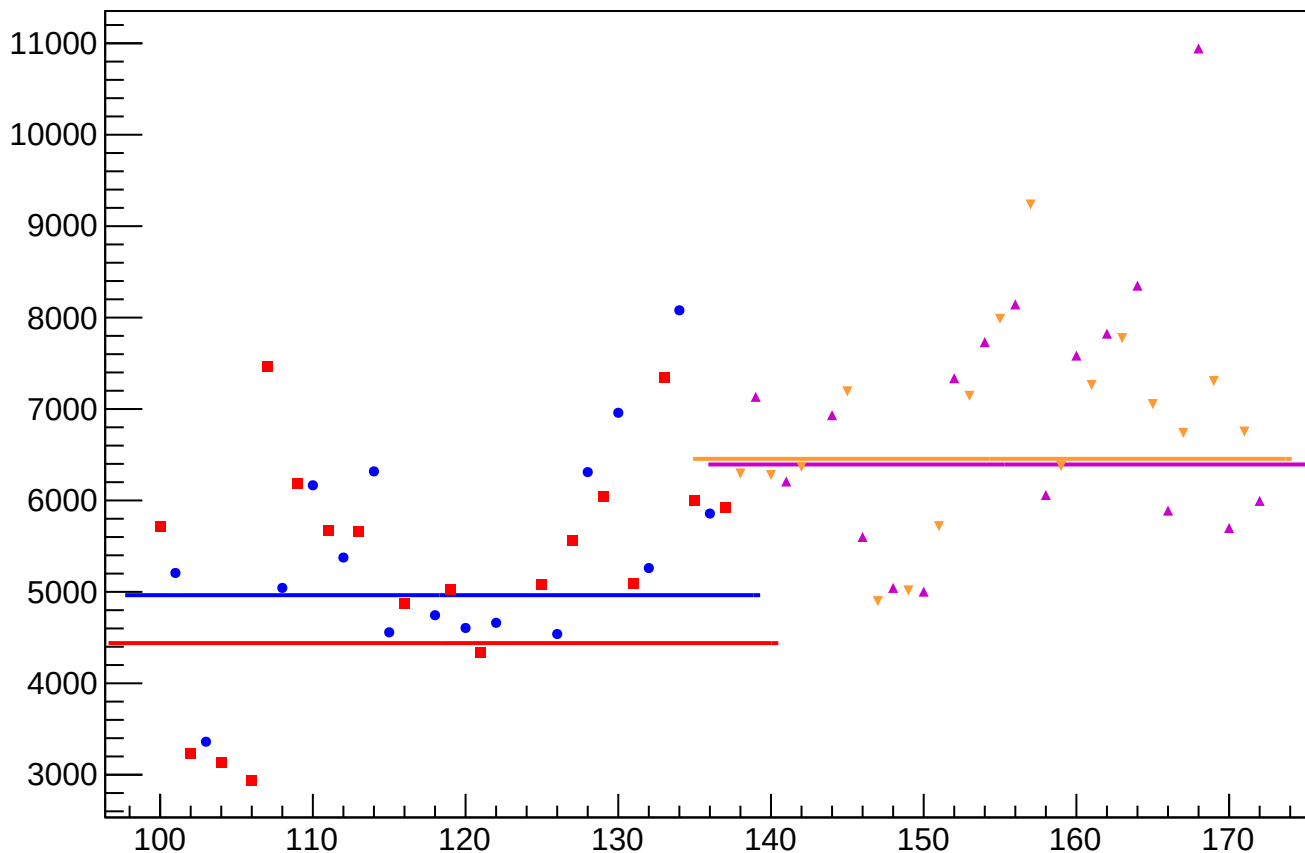
Left In: -620.251+/-1743.284 χ^2/NDF : 10.8/16

+ sign -402.773+/-1304.135 χ^2/NDF : 38.3/32

All: -415.860+/-891.601 χ^2/NDF : 64.9/67

- sign -427.345+/-1221.725 χ^2/NDF : 26.6/34

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



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

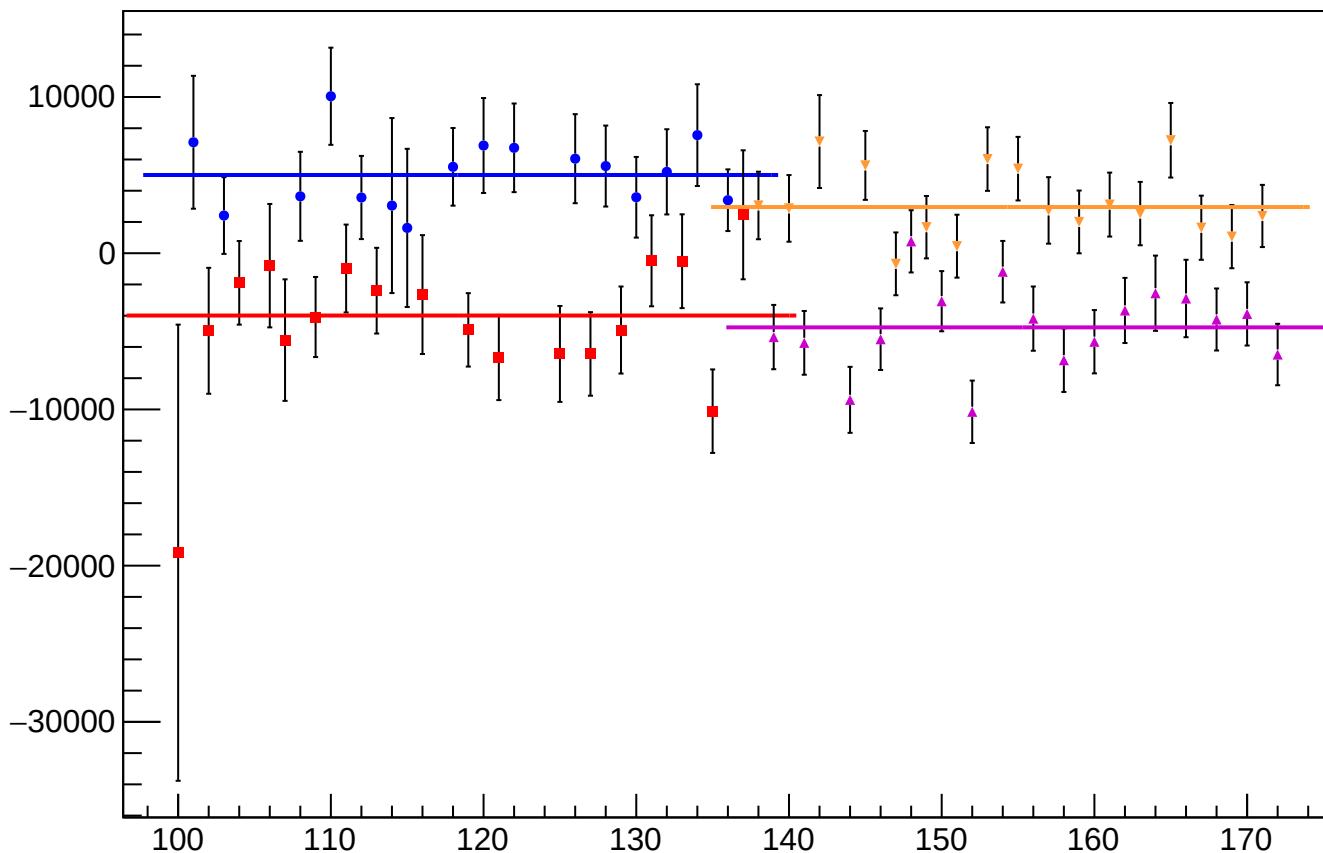
Left In: 6393.556+/-1.233 χ^2/NDF : 983226.7/16

+ sign 5749.693+/-0.922 χ^2/NDF : 1957198.4/32

All: 5563.084+/-0.630 χ^2/NDF : 5454272.2/67

- sign 5399.315+/-0.864 χ^2/NDF : 3420186.7/34

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5007.314+/-714.061 χ^2/NDF : 7.7/15

Left Out: 2955.438+/-510.323 χ^2/NDF : 17.3/16

Right Out: -3989.192+/-719.024 χ^2/NDF : 17.4/17

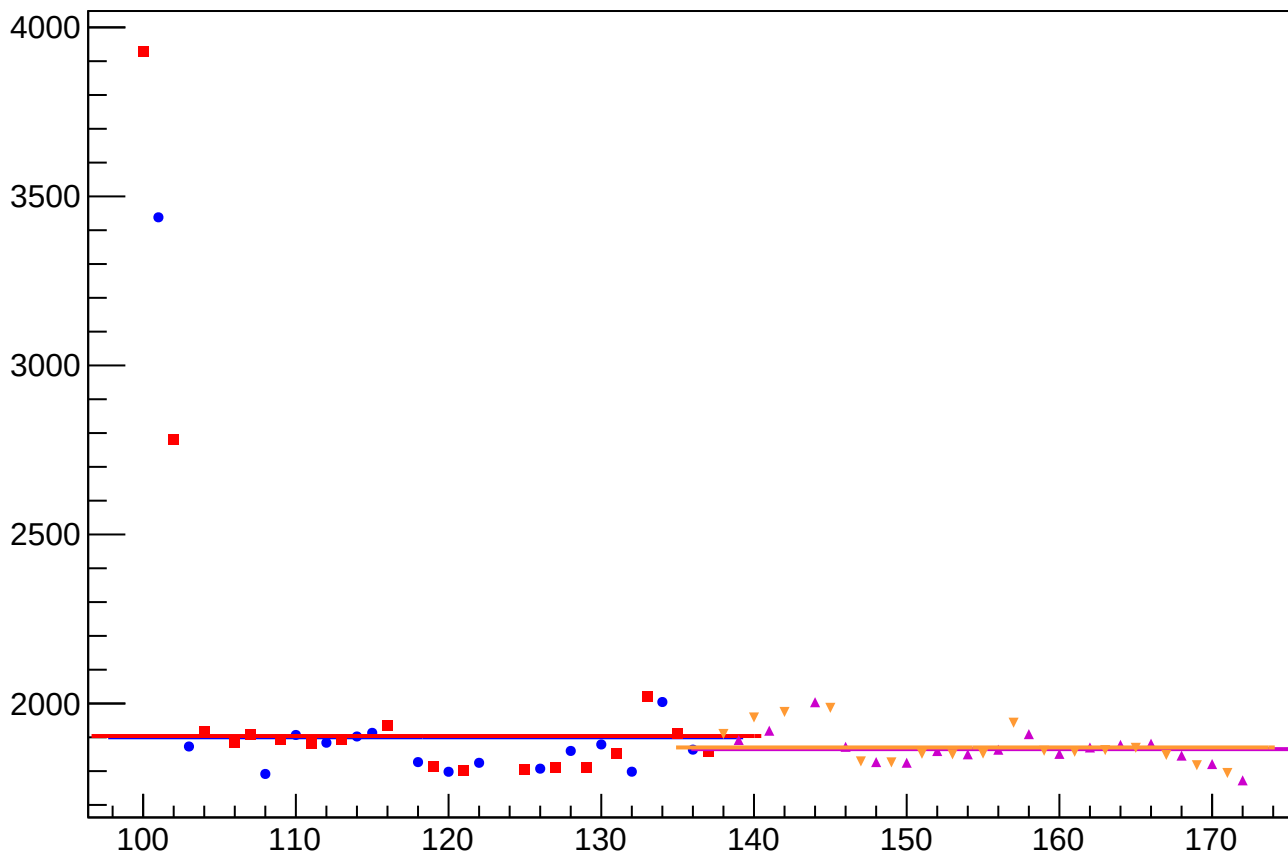
Left In: -4747.194+/-498.065 χ^2/NDF : 28.3/16

+ sign 3649.141+/-415.190 χ^2/NDF : 30.4/32

All: -483.056+/-291.526 χ^2/NDF : 272.2/67

- sign -4501.415+/-409.431 χ^2/NDF : 46.4/34

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1900.111 $\pm$ 0.505 χ^2 /NDF: 278448.5/15

Left Out: 1870.025 $\pm$ 0.361 χ^2 /NDF: 21615.1/16

Right Out: 1903.826 $\pm$ 0.508 χ^2 /NDF: 150115.1/17

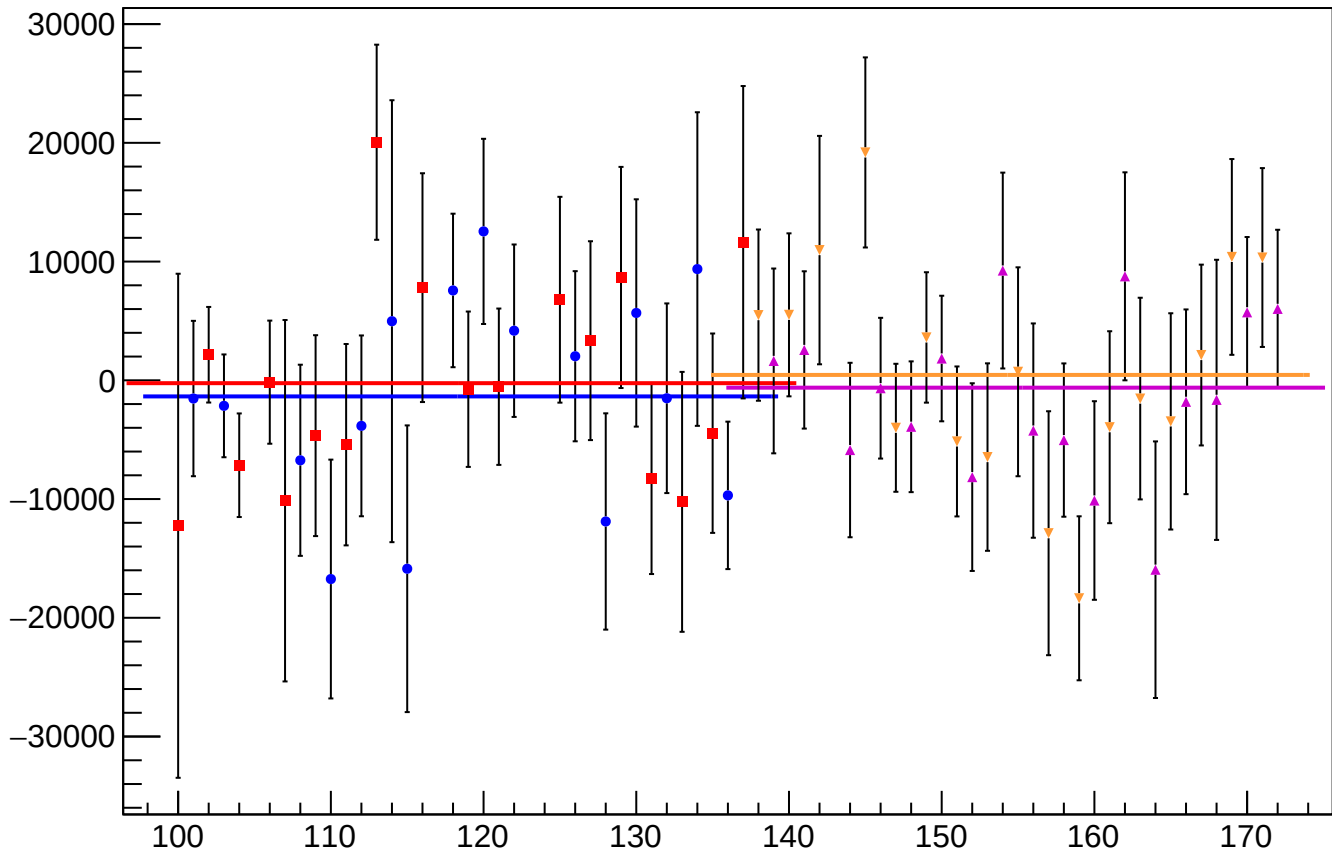
Left In: 1865.052 $\pm$ 0.352 χ^2 /NDF: 18915.9/16

+ sign 1880.196 $\pm$ 0.294 χ^2 /NDF: 302413.7/32

All: 1878.901 $\pm$ 0.206 χ^2 /NDF: 475419.0/67

- sign 1877.643 $\pm$ 0.289 χ^2 /NDF: 172966.9/34

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1356.604 ± 1895.985 χ^2/NDF : 14.7/15

Left Out: 453.745 ± 1796.670 χ^2/NDF : 23.1/16

Right Out: -241.155 ± 1712.677 χ^2/NDF : 15.7/17

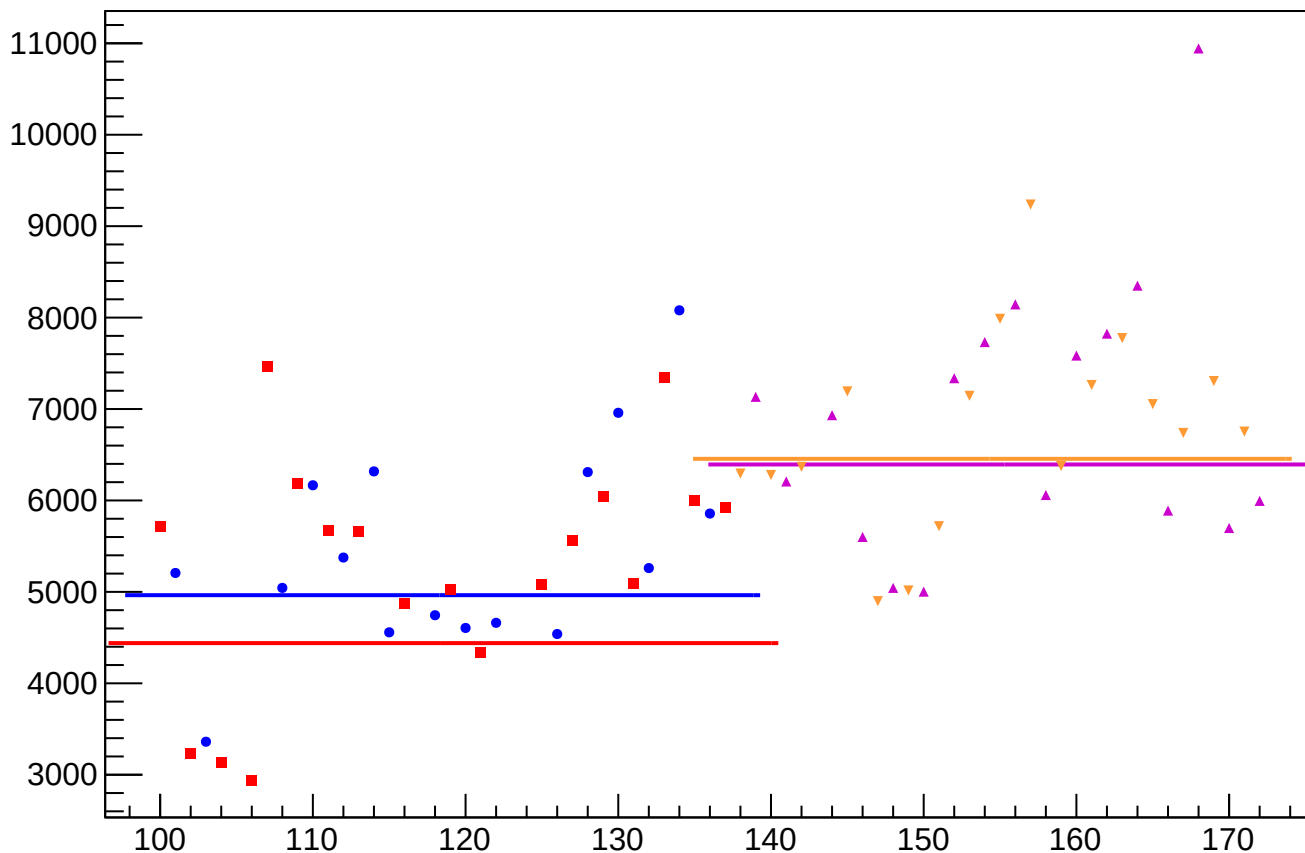
Left In: -620.251 ± 1743.287 χ^2/NDF : 10.8/16

+ sign -402.775 ± 1304.135 χ^2/NDF : 38.3/32

All: -415.861 ± 891.601 χ^2/NDF : 64.9/67

- sign -427.345 ± 1221.724 χ^2/NDF : 26.6/34

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



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

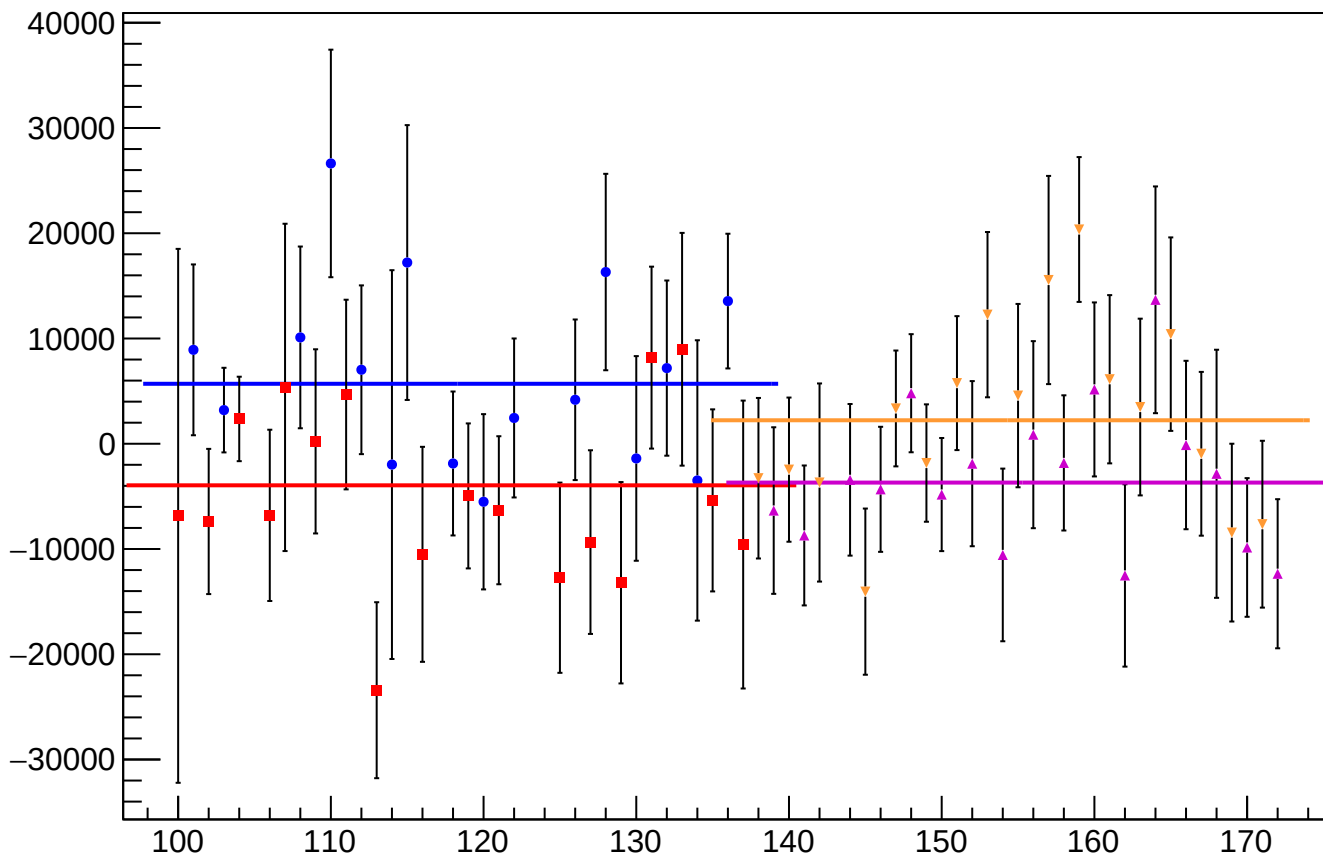
Left In: 6393.566+/-1.233 χ^2/NDF : 983228.4/16

+ sign 5749.689+/-0.922 χ^2/NDF : 1957223.8/32

All: 5563.080+/-0.630 χ^2/NDF : 5454328.2/67

- sign 5399.310+/-0.864 χ^2/NDF : 3420216.7/34

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

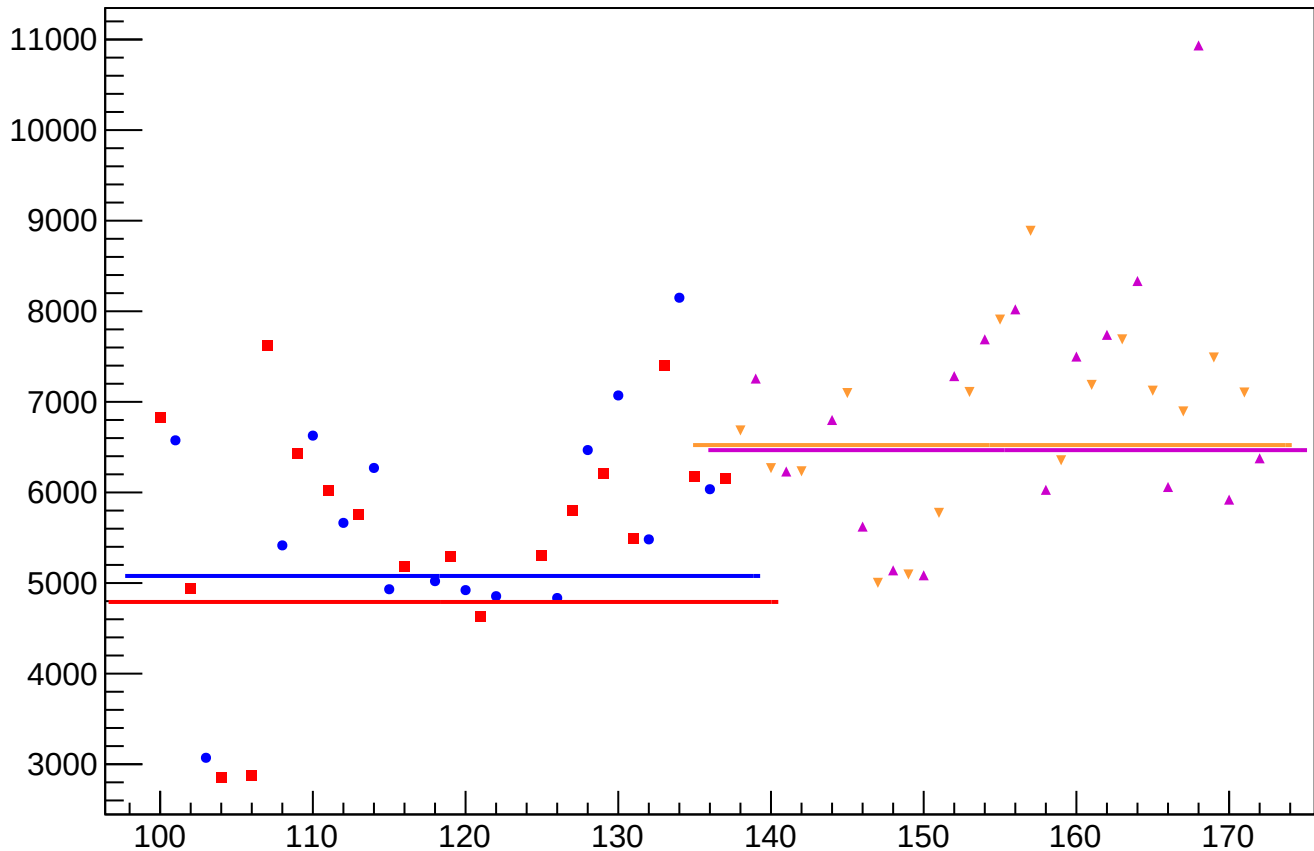
Left In: -3690.352+/-1759.513 χ^2/NDF : 11.5/16

+ sign 3828.586+/-1330.244 χ^2/NDF : 35.7/32

All: -85.501+/-928.786 χ^2/NDF : 80.2/67

- sign -3808.557+/-1297.376 χ^2/NDF : 27.6/34

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5078.157+/-1.385 χ^2/NDF : 919209.4/15

Left Out: 6523.078+/-1.281 χ^2/NDF : 607472.0/16

Right Out: 4791.154+/-1.331 χ^2/NDF : 1162455.3/17

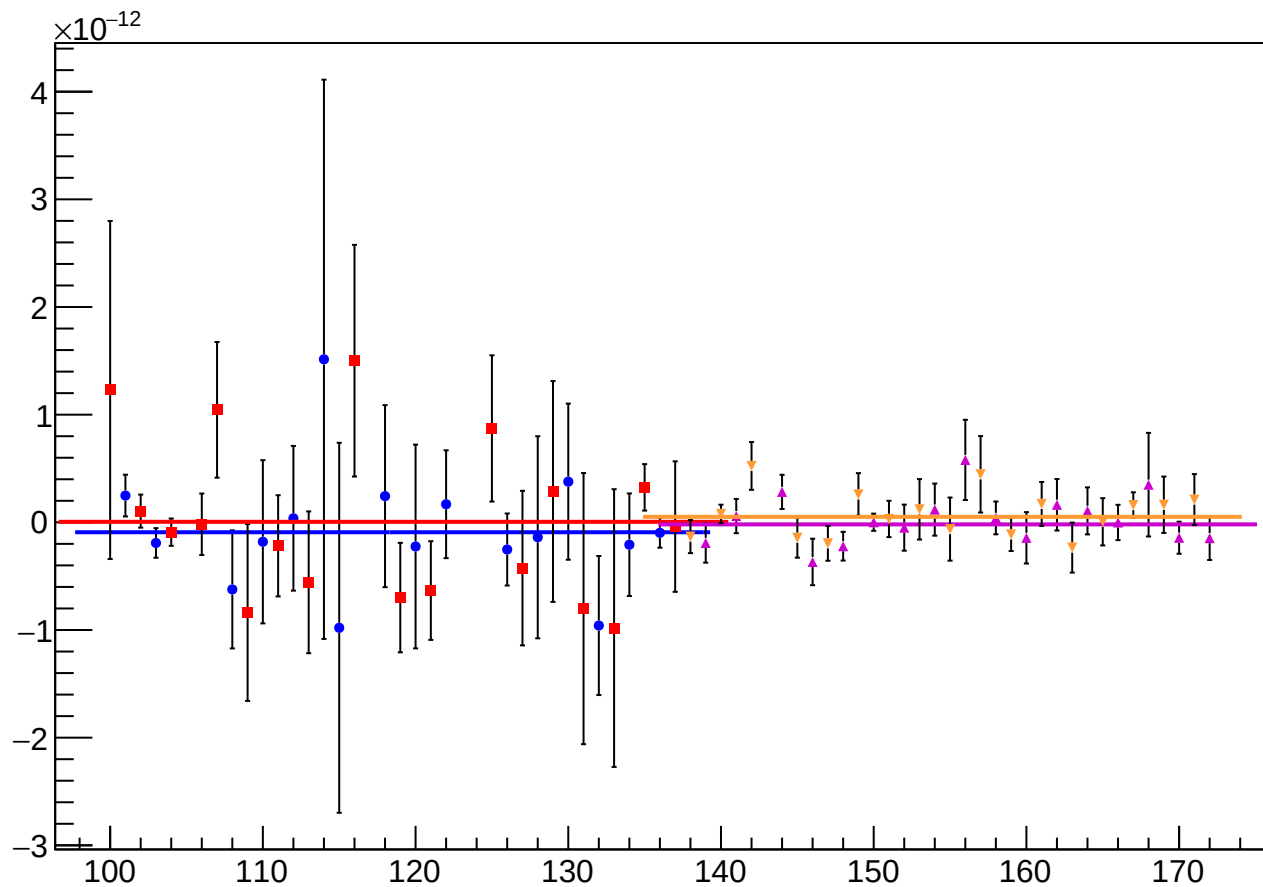
Left In: 6467.007+/-1.244 χ^2/NDF : 888898.7/16

+ sign 5856.961+/-0.941 χ^2/NDF : 2113026.3/32

All: 5768.201+/-0.654 χ^2/NDF : 5027852.7/67

- sign 5685.342+/-0.909 χ^2/NDF : 2897609.5/34

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.5/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

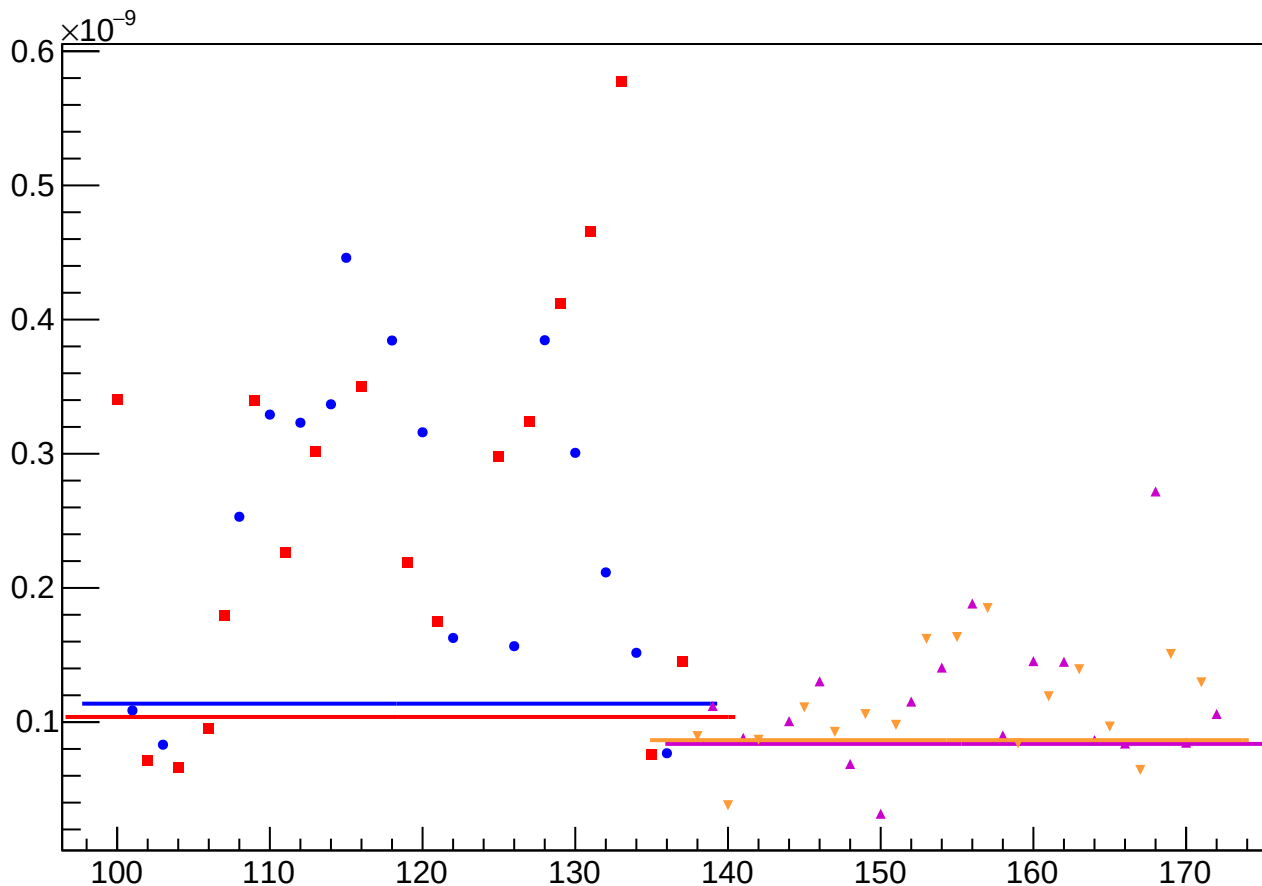
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 60.9/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.1/34

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



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

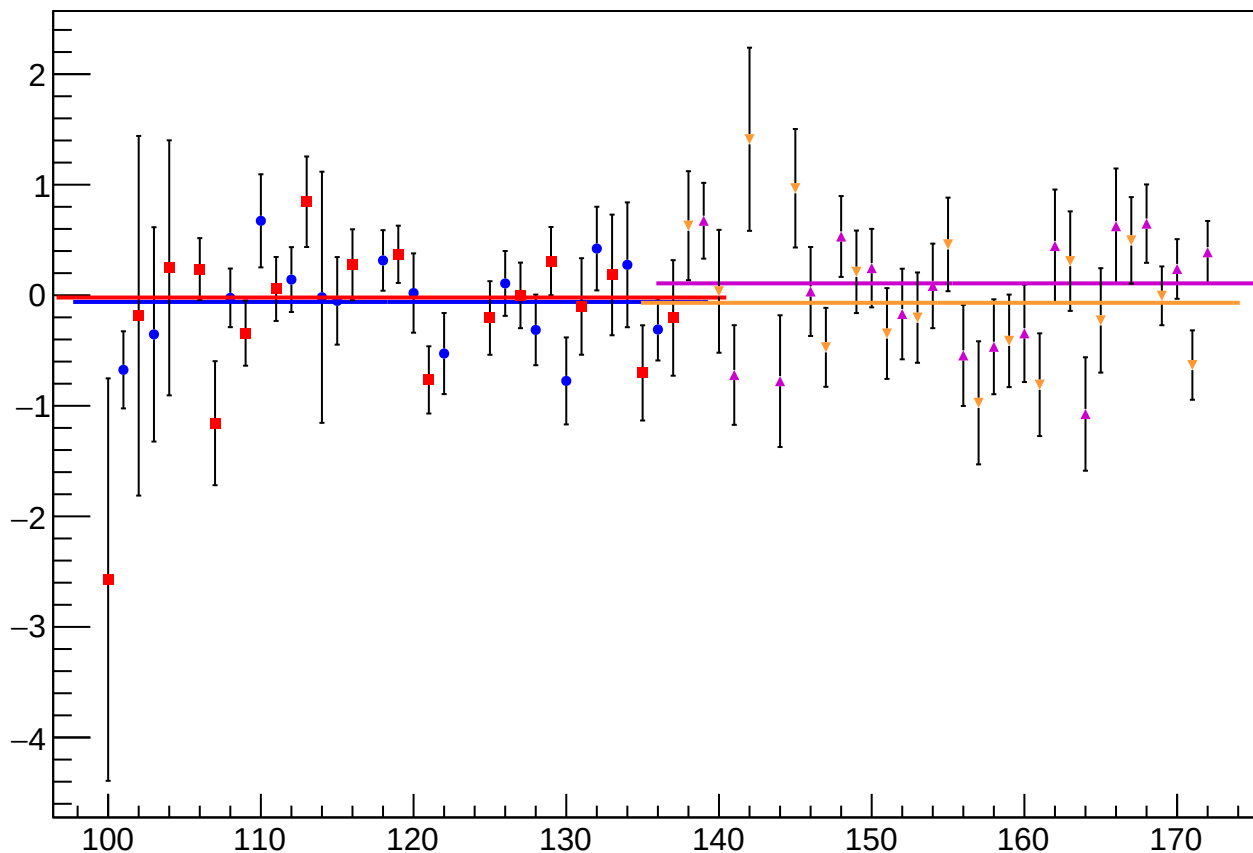
Left In: 0.000+/-0.000 χ^2/NDF :1950730.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 3272893.9/32

All: 0.000+/-0.000 χ^2/NDF : 7432191.2/67

- sign 0.000+/-0.000 χ^2/NDF : 4143973.9/34

asym_us_avg_atlr_avg_avg_dit_vs_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

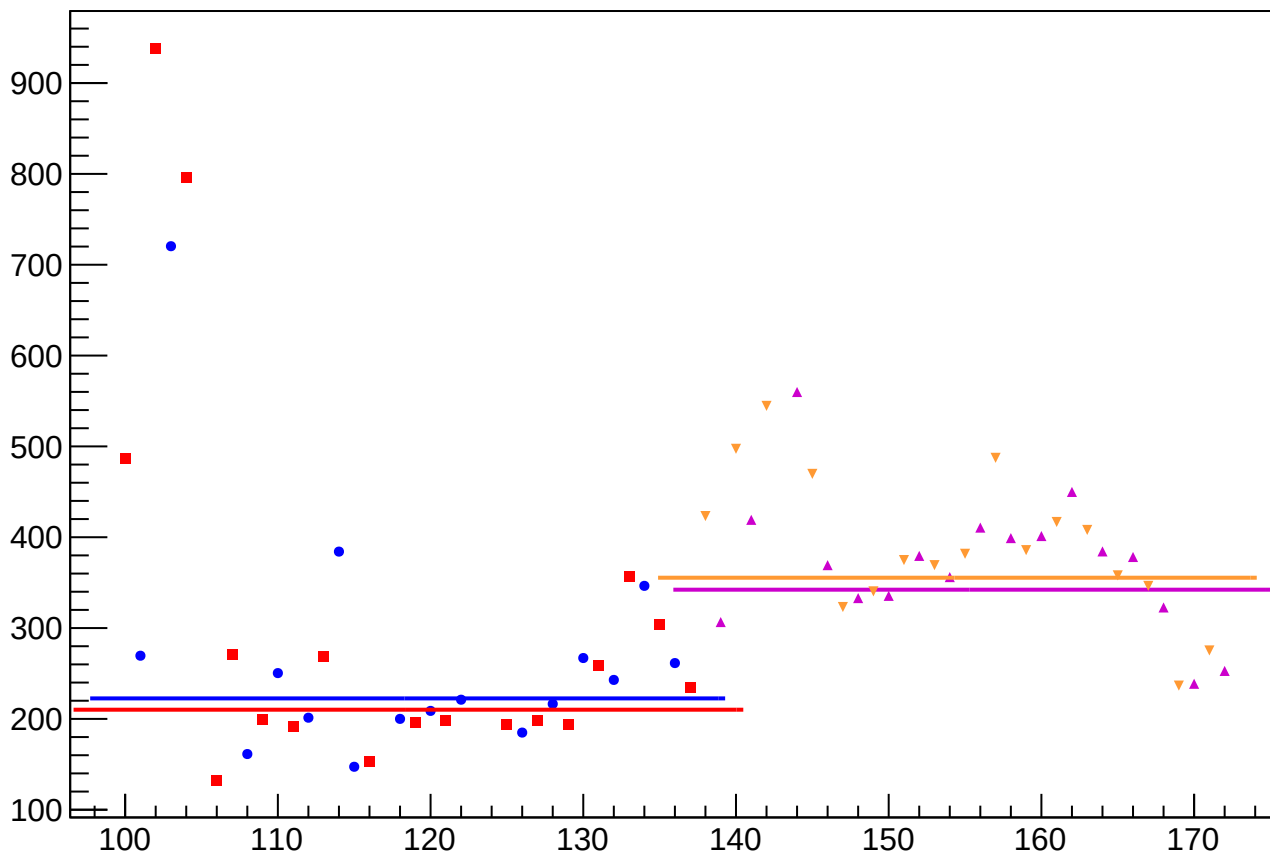
Left In: 0.108 ± 0.095 χ^2/NDF : 25.4/16

+ sign -0.064 ± 0.067 χ^2/NDF : 42.3/32

All: -0.011 ± 0.046 χ^2/NDF : 96.0/67

- sign 0.038 ± 0.064 χ^2/NDF : 52.6/34

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 222.569 $\pm$ 0.063 χ^2 /NDF: 1018774.9/15

Left Out: 355.435 $\pm$ 0.071 χ^2 /NDF: 1113363.4/16

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

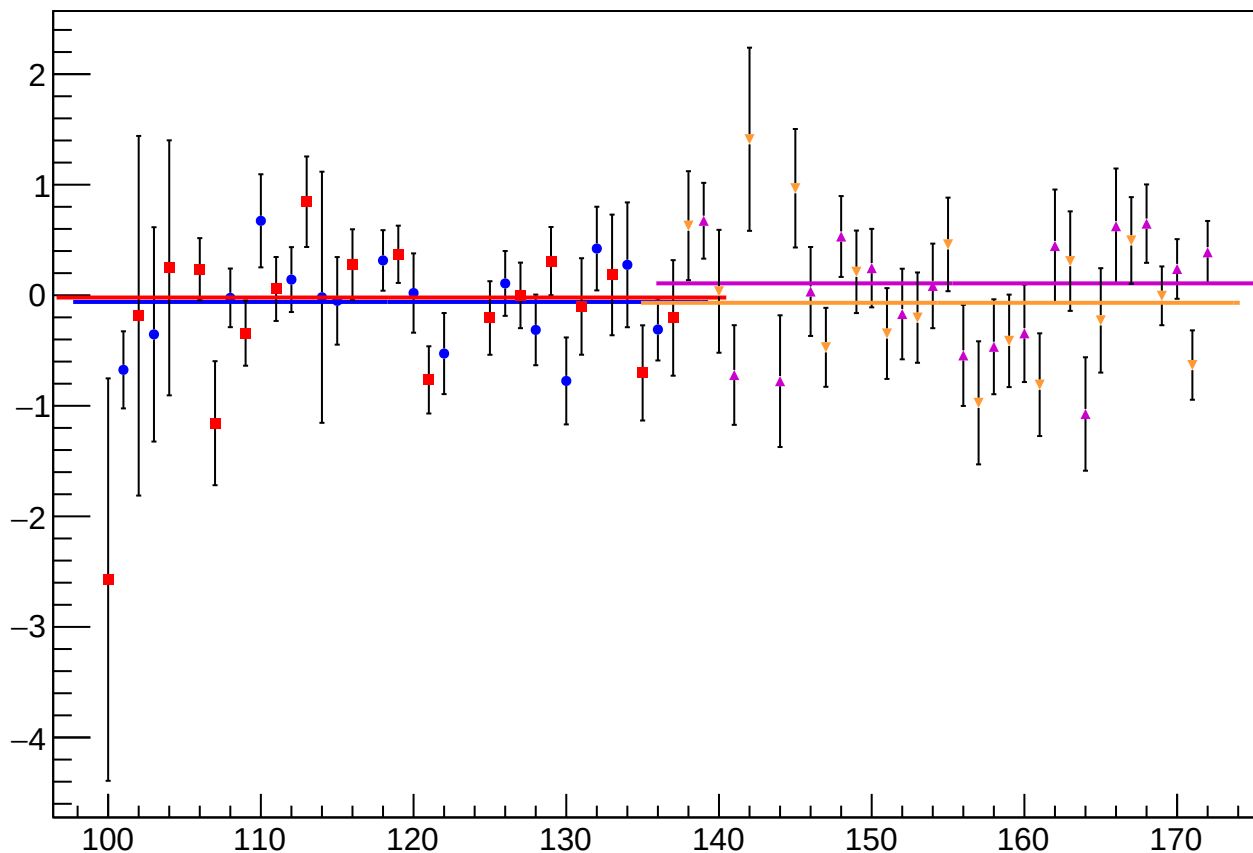
Left In: 342.250 $\pm$ 0.067 χ^2 /NDF: 1104696.3/16

+ sign 280.591 $\pm$ 0.047 χ^2 /NDF: 4093722.1/32

All: 275.579 $\pm$ 0.033 χ^2 /NDF: 8870177.7/67

- sign 270.906 $\pm$ 0.045 χ^2 /NDF: 4754524.3/34

asym_us_avg_atlr_avg_avg_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

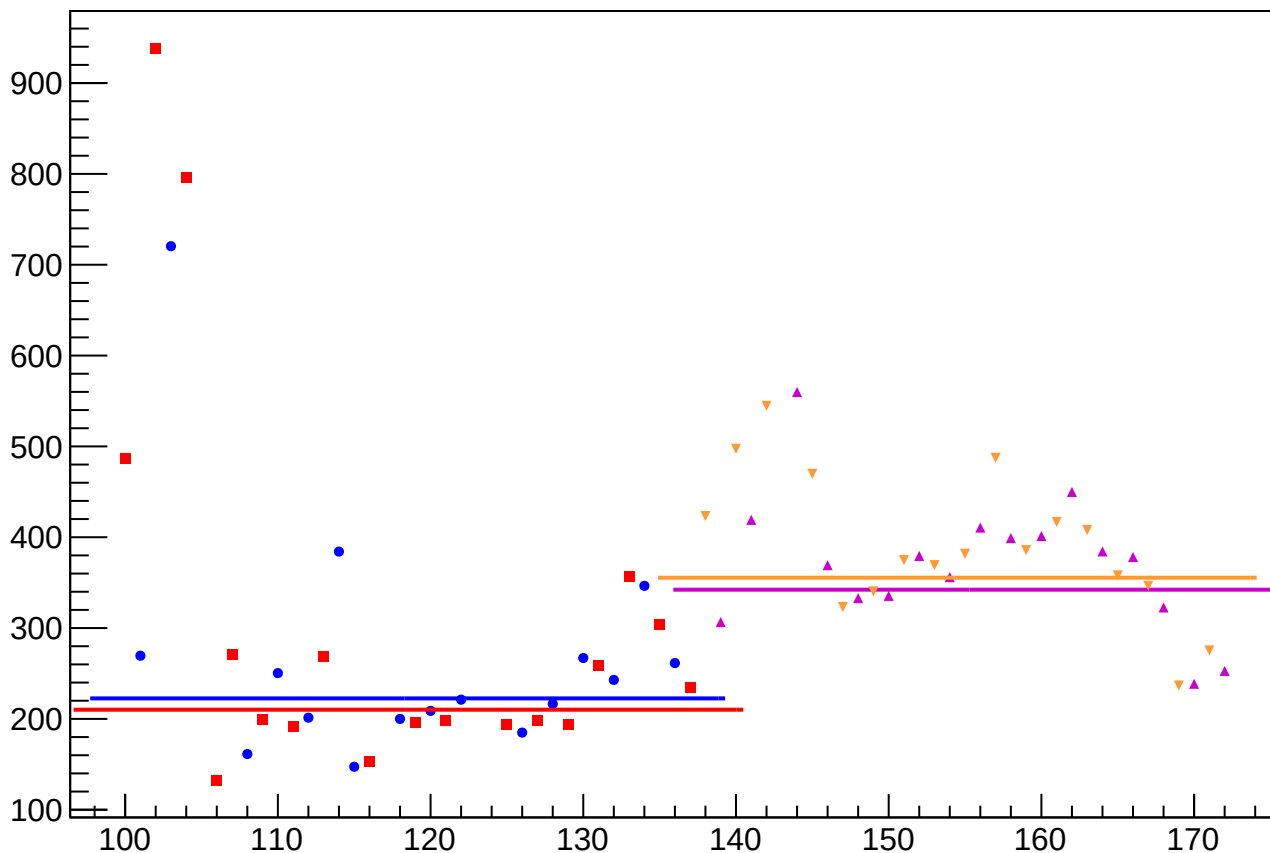
Left In: 0.108 ± 0.095 χ^2/NDF : 25.4/16

+ sign -0.064 ± 0.067 χ^2/NDF : 42.3/32

All: -0.011 ± 0.046 χ^2/NDF : 96.0/67

- sign 0.038 ± 0.064 χ^2/NDF : 52.6/34

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 222.569 $\pm$ 0.063 χ^2 /NDF: 1018774.9/15

Left Out: 355.435 $\pm$ 0.071 χ^2 /NDF: 1113363.4/16

Right Out: 210.123 $\pm$ 0.062 χ^2 /NDF: 1548526.4/17

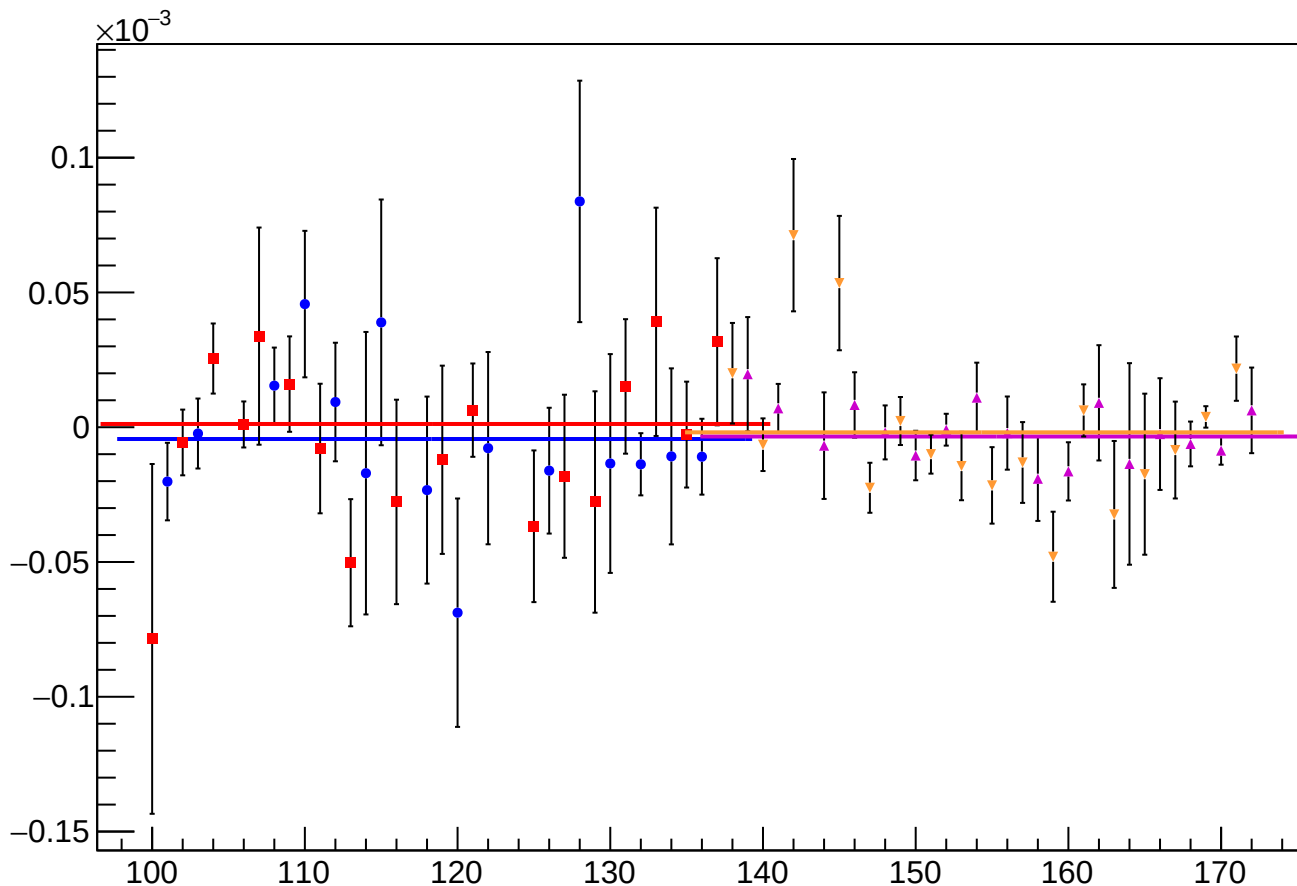
Left In: 342.250 $\pm$ 0.067 χ^2 /NDF: 1104696.3/16

+ sign 280.591 $\pm$ 0.047 χ^2 /NDF: 4093722.1/32

All: 275.579 $\pm$ 0.033 χ^2 /NDF: 8870177.7/67

- sign 270.906 $\pm$ 0.045 χ^2 /NDF: 4754524.3/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

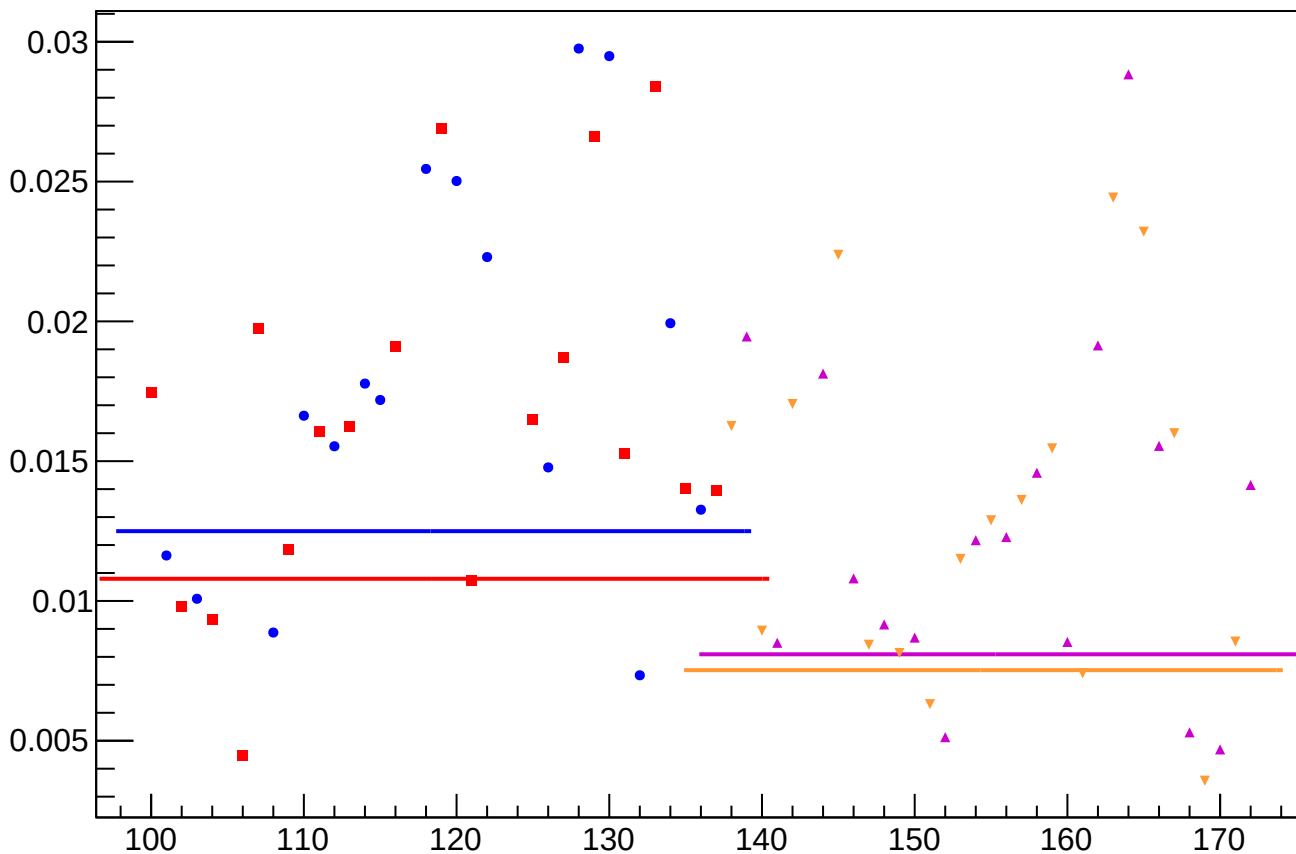
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.9/32

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 82.8/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.9/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

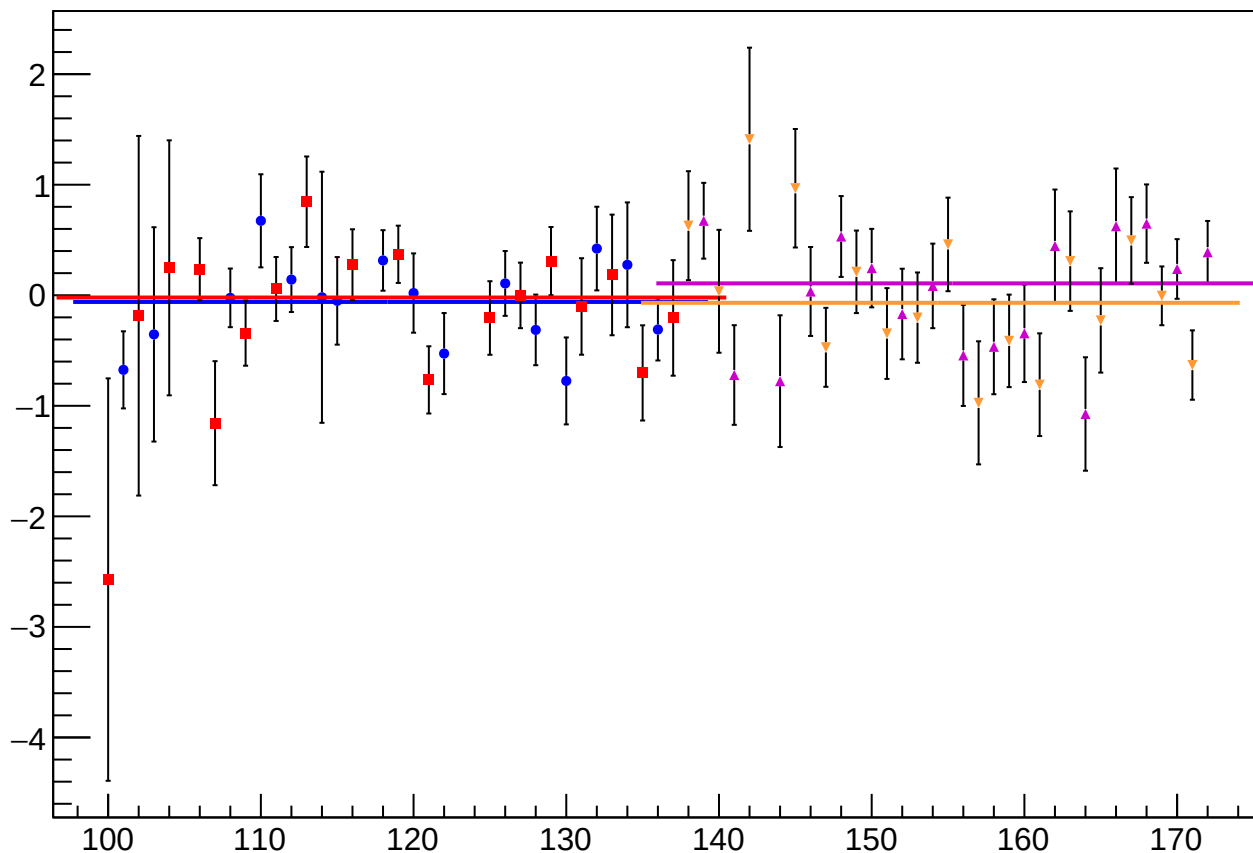
Left In: 0.008+/-0.000 χ^2/NDF : 5240477.0/16

+ sign 0.008+/-0.000 χ^2/NDF : 10188931.1/32

All: 0.009+/-0.000 χ^2/NDF : 18963688.9/67

- sign 0.009+/-0.000 χ^2/NDF : 8762152.1/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_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

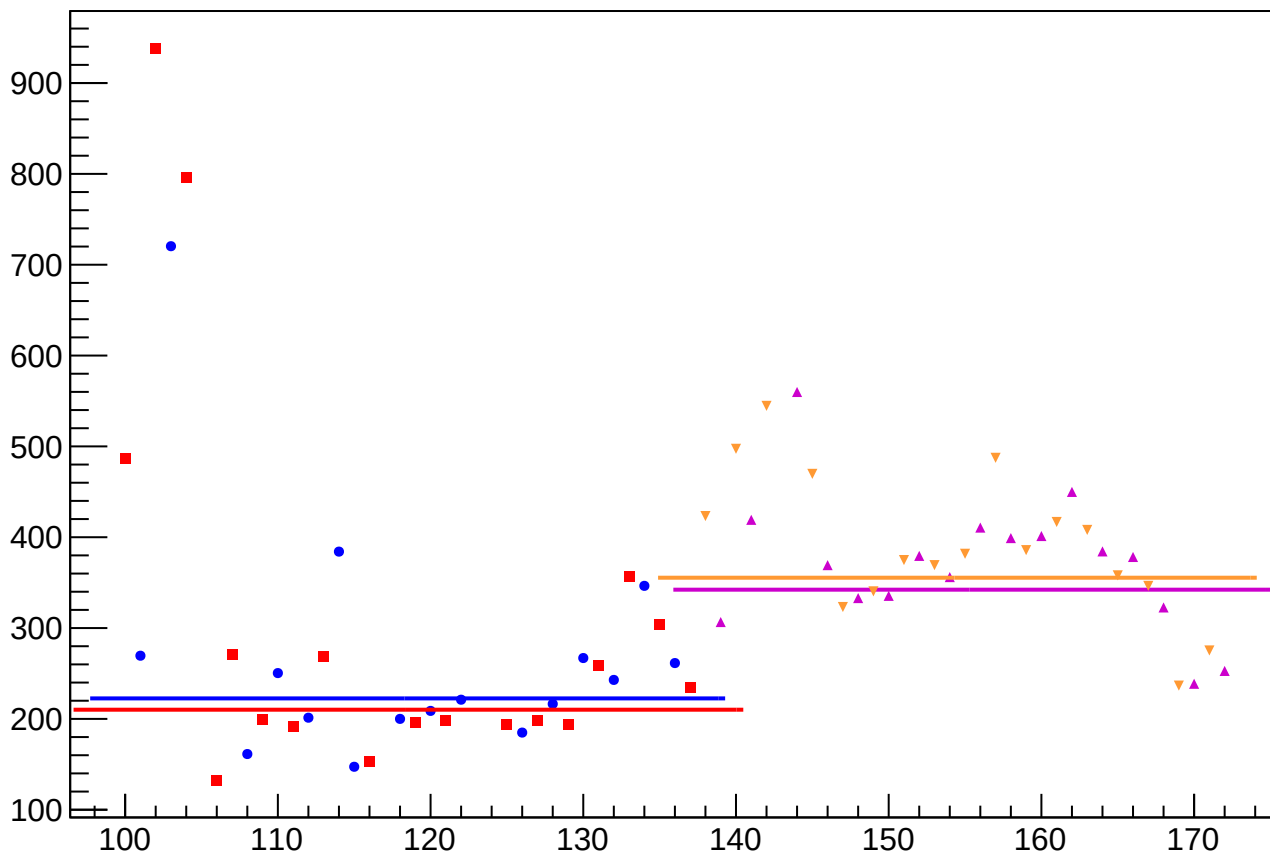
Left In: 0.108 ± 0.095 χ^2/NDF : 25.4/16

+ sign -0.064 ± 0.067 χ^2/NDF : 42.3/32

All: -0.011 ± 0.046 χ^2/NDF : 96.0/67

- sign 0.038 ± 0.064 χ^2/NDF : 52.6/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 222.567 $\pm$ 0.063 χ^2 /NDF: 1018760.3/15

Left Out: 355.437 $\pm$ 0.071 χ^2 /NDF: 1113471.5/16

Right Out: 210.120 $\pm$ 0.062 χ^2 /NDF: 1548507.5/17

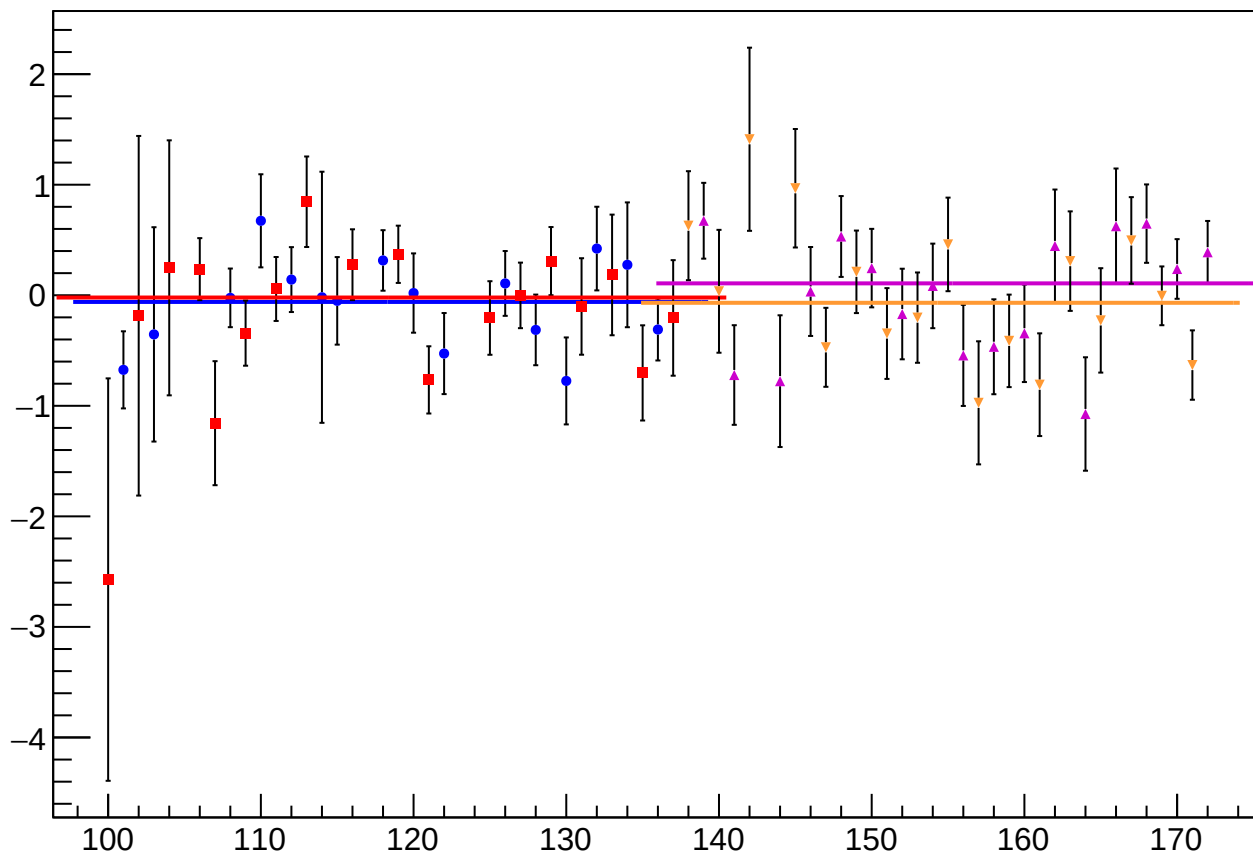
Left In: 342.253 $\pm$ 0.067 χ^2 /NDF: 1104799.8/16

+ sign 280.590 $\pm$ 0.047 χ^2 /NDF: 4093925.8/32

All: 275.577 $\pm$ 0.033 χ^2 /NDF: 8870630.7/67

- sign 270.904 $\pm$ 0.045 χ^2 /NDF: 4754770.8/34

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

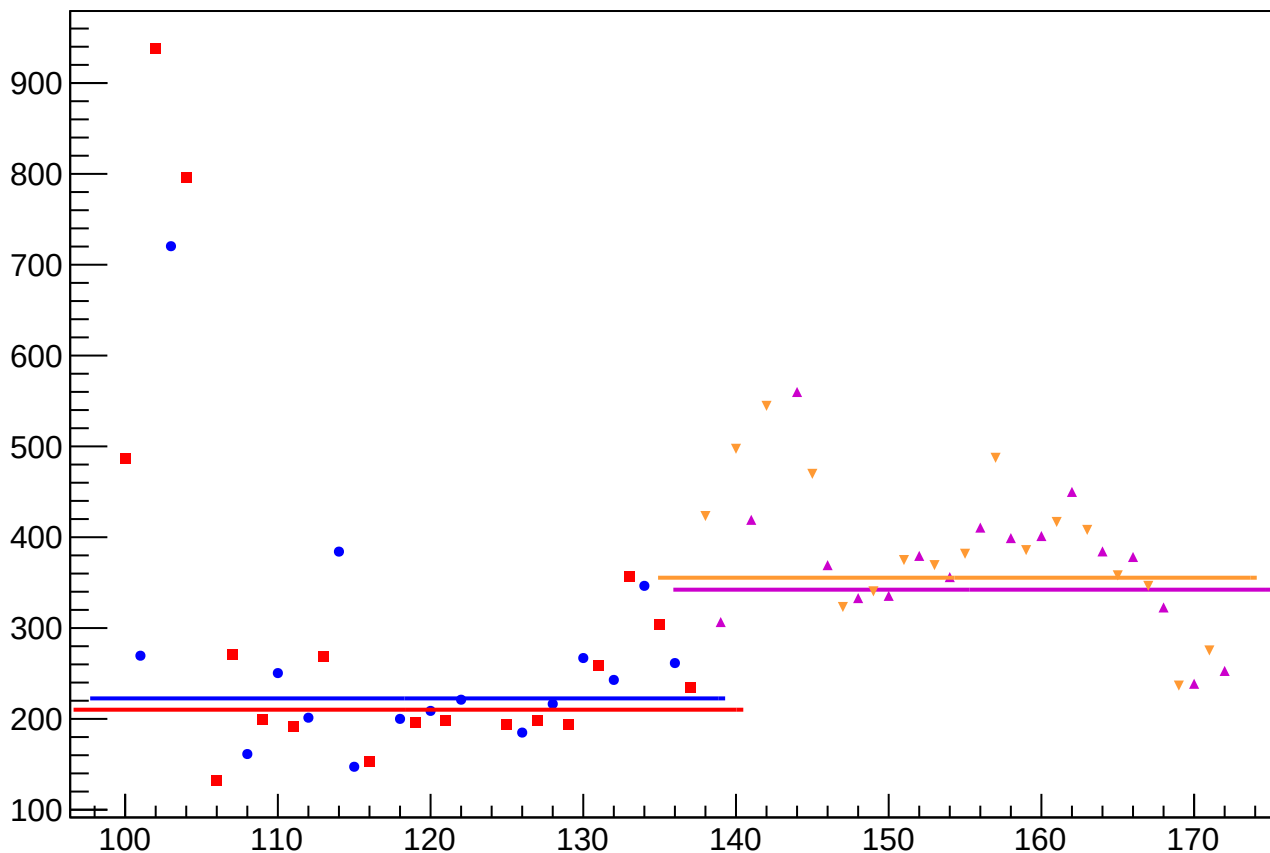
Left In: 0.108 ± 0.095 χ^2/NDF : 25.4/16

+ sign -0.064 ± 0.067 χ^2/NDF : 42.3/32

All: -0.011 ± 0.046 χ^2/NDF : 96.0/67

- sign 0.038 ± 0.064 χ^2/NDF : 52.6/34

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 222.567 ± 0.063 $\chi^2/\text{NDF}: 1018760.3/15$

Left Out: 355.437 ± 0.071 $\chi^2/\text{NDF}: 1113471.5/16$

Right Out: 210.120 ± 0.062 $\chi^2/\text{NDF}: 1548507.5/17$

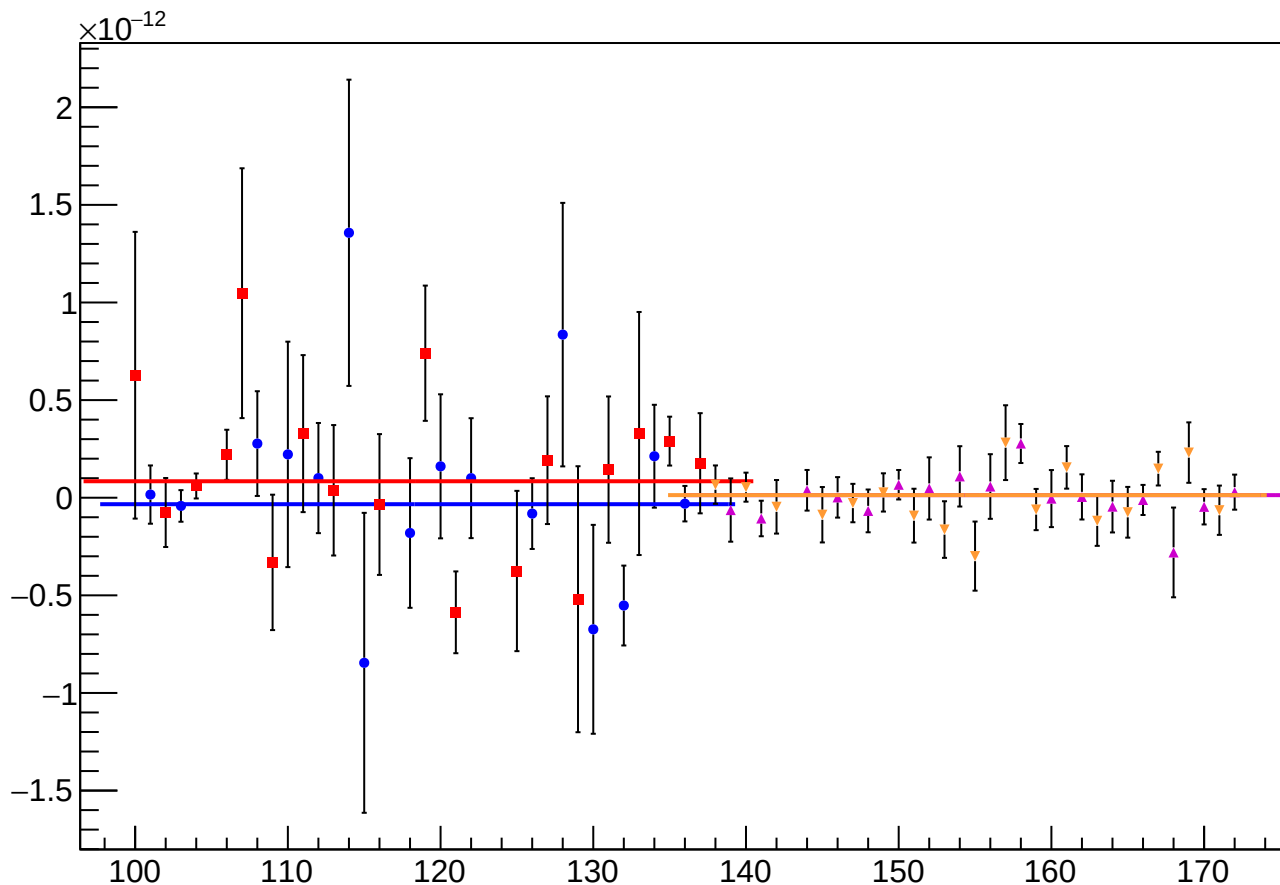
Left In: 342.253 ± 0.067 $\chi^2/\text{NDF}: 1104799.8/16$

+ sign 280.590 ± 0.047 $\chi^2/\text{NDF}: 4093925.8/32$

All: 275.577 ± 0.033 $\chi^2/\text{NDF}: 8870630.7/67$

- sign 270.904 ± 0.045 $\chi^2/\text{NDF}: 4754770.8/34$

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 17.2/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.8/17

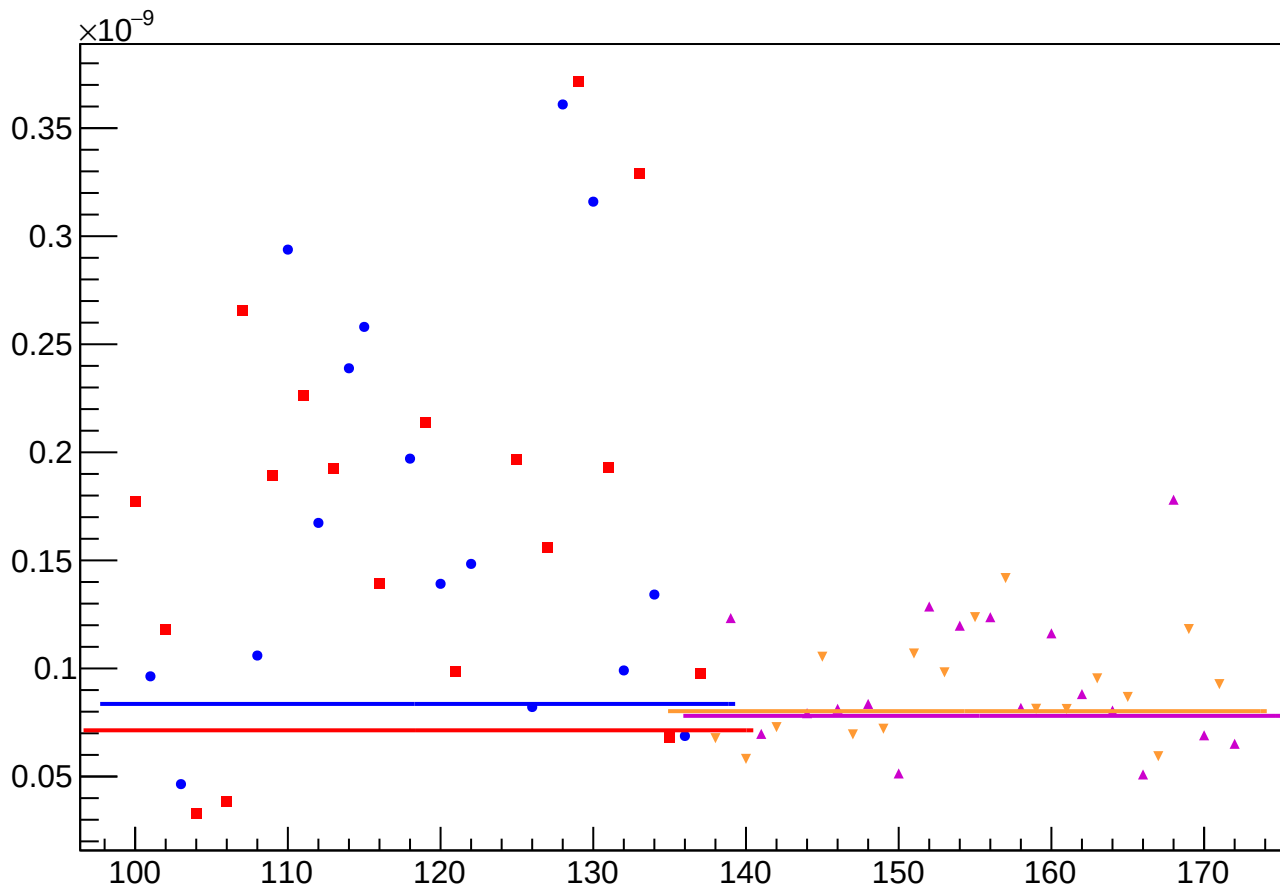
Left In: 0.000 ± 0.000 χ^2/NDF : 13.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 35.1/32

All: 0.000 ± 0.000 χ^2/NDF : 76.7/67

- sign 0.000 ± 0.000 χ^2/NDF : 40.7/34

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2235431.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1038598.5/16

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3745180.4/17

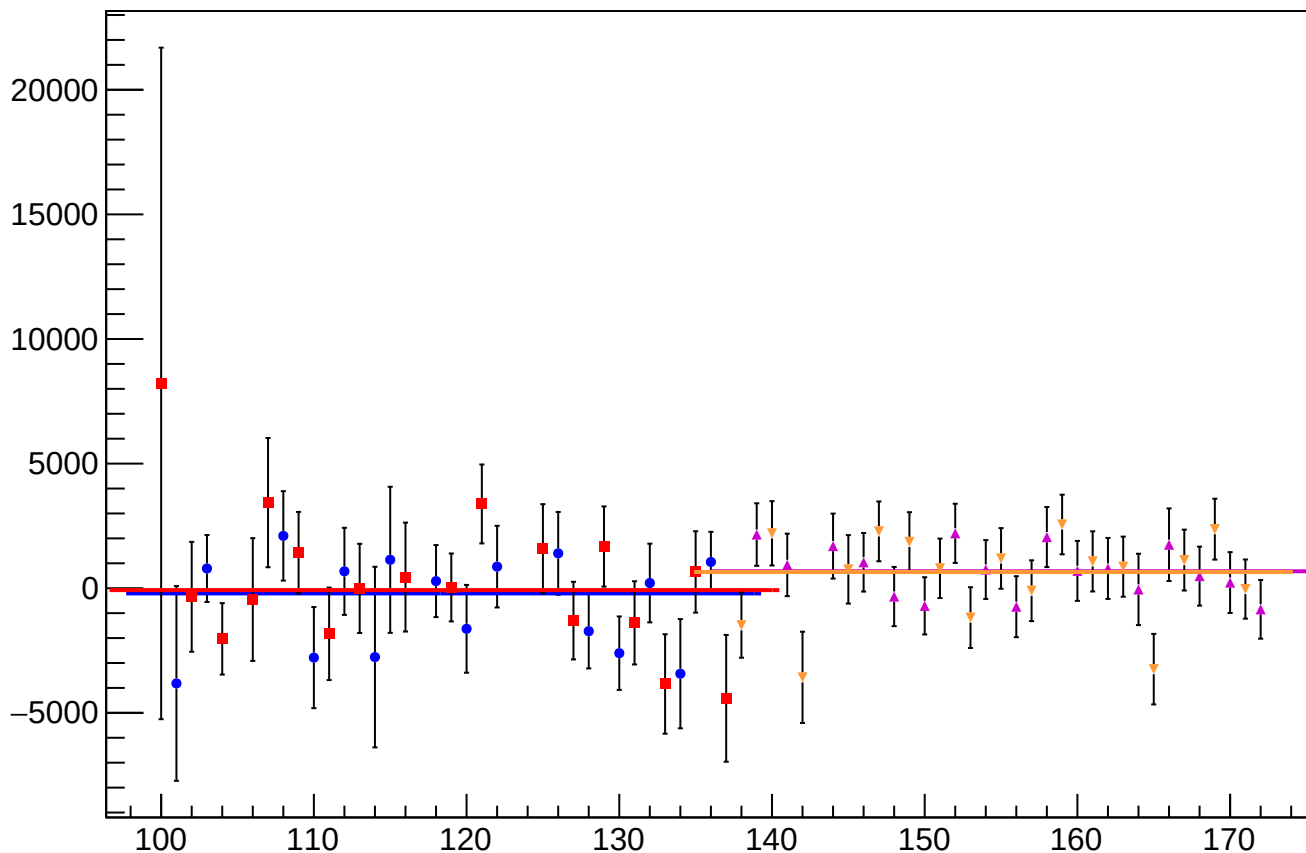
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1771082.2/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3281507.7/32

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8873560.1/67

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5549965.5/34

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -208.338 ± 429.155 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 651.133 ± 304.793 $\chi^2/\text{NDF}: 27.9/16$

Right Out: -75.616 ± 430.760 $\chi^2/\text{NDF}: 20.7/17$

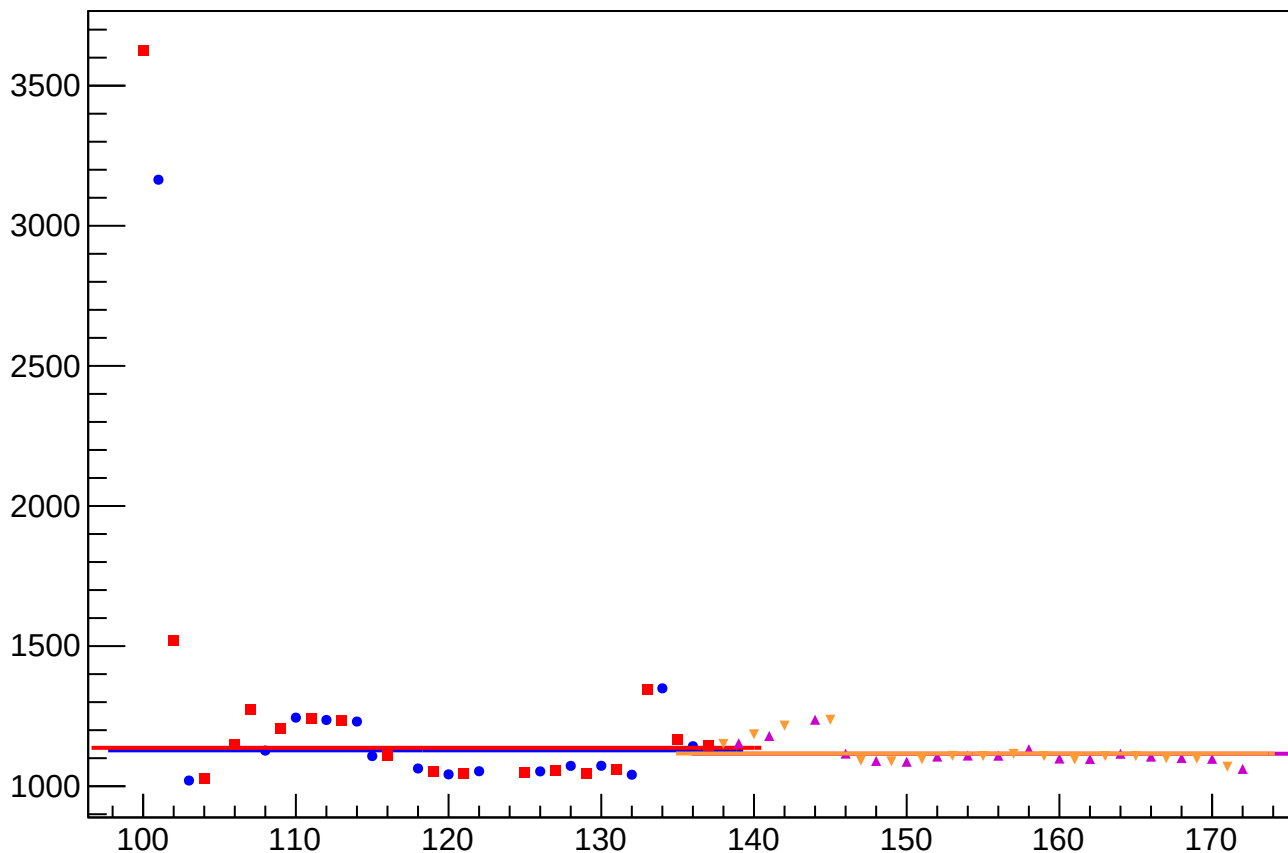
Left In: 680.089 ± 298.051 $\chi^2/\text{NDF}: 11.3/16$

+ sign 362.964 ± 248.498 $\chi^2/\text{NDF}: 45.4/32$

All: 399.694 ± 174.501 $\chi^2/\text{NDF}: 79.4/67$

- sign 435.426 ± 245.100 $\chi^2/\text{NDF}: 34.0/34$

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621394.5/15

Left Out: 1116.726 $\pm$ 0.216 χ^2 /NDF: 35987.0/16

Right Out: 1137.041 $\pm$ 0.304 χ^2 /NDF: 220086.1/17

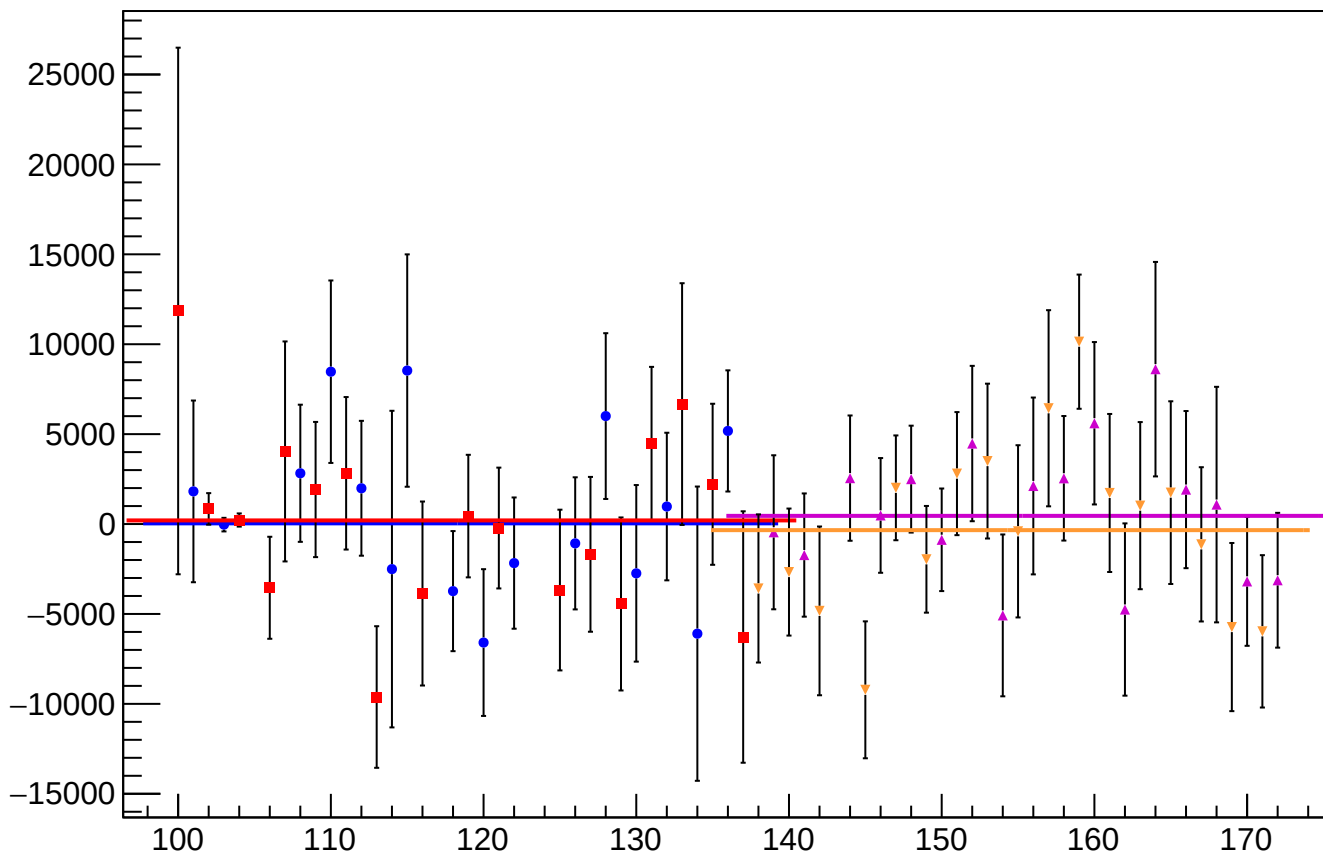
Left In: 1115.894 $\pm$ 0.211 χ^2 /NDF: 33061.3/16

+ sign 1120.509 $\pm$ 0.176 χ^2 /NDF: 658300.1/32

All: 1121.649 $\pm$ 0.123 χ^2 /NDF: 914798.1/67

- sign 1122.758 $\pm$ 0.173 χ^2 /NDF: 256414.9/34

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



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

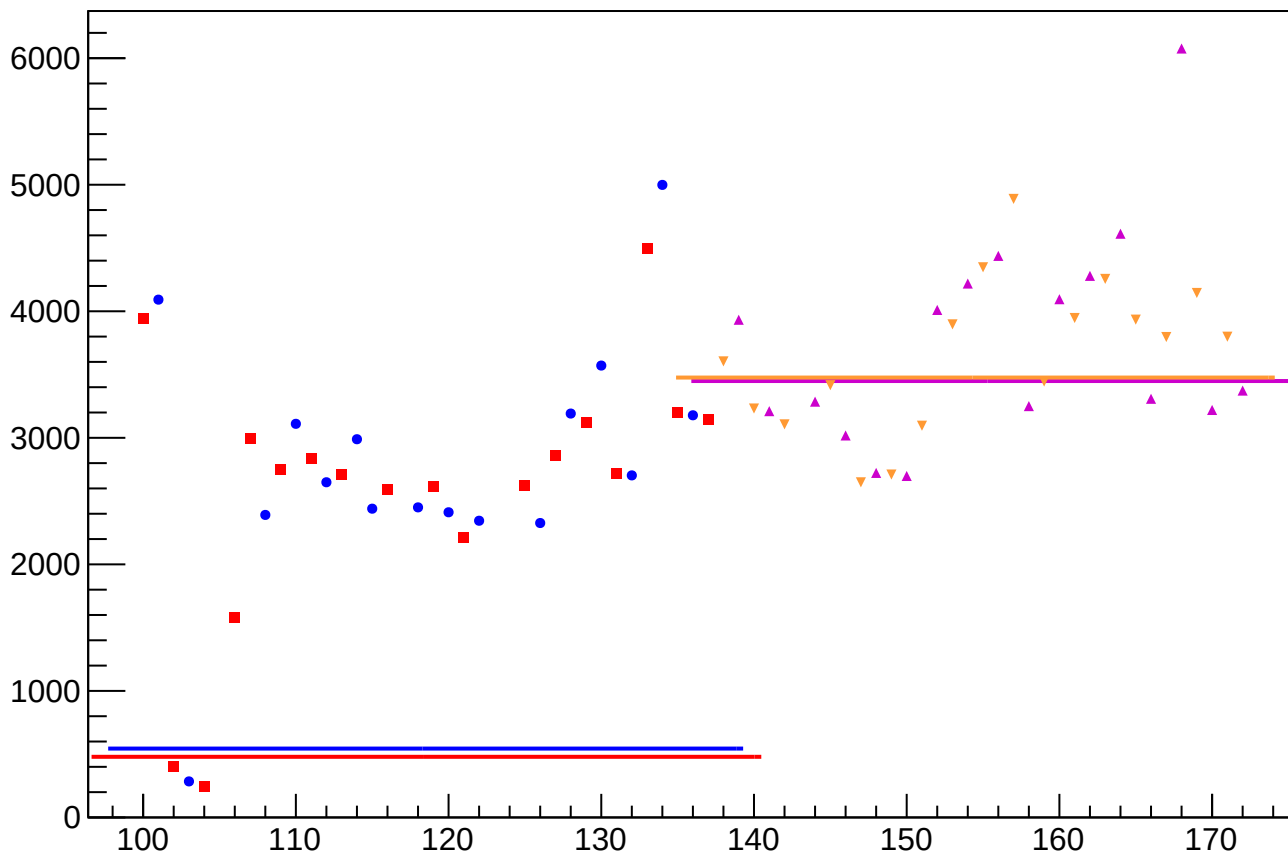
Left In: 455.071+/-940.862 χ^2/NDF : 10.8/16

+ sign -7.035+/-335.510 χ^2/NDF : 38.0/32

All: 121.770+/-225.731 χ^2/NDF : 64.8/67

- sign 228.294+/-305.114 χ^2/NDF : 26.5/34

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



Right In: 544.336+/-0.253 χ^2/NDF : 9682967.9/15

Left Out: 3476.207+/-0.685 χ^2/NDF : 722591.7/16

Right Out: 479.253+/-0.228 χ^2/NDF : 9187985.0/17

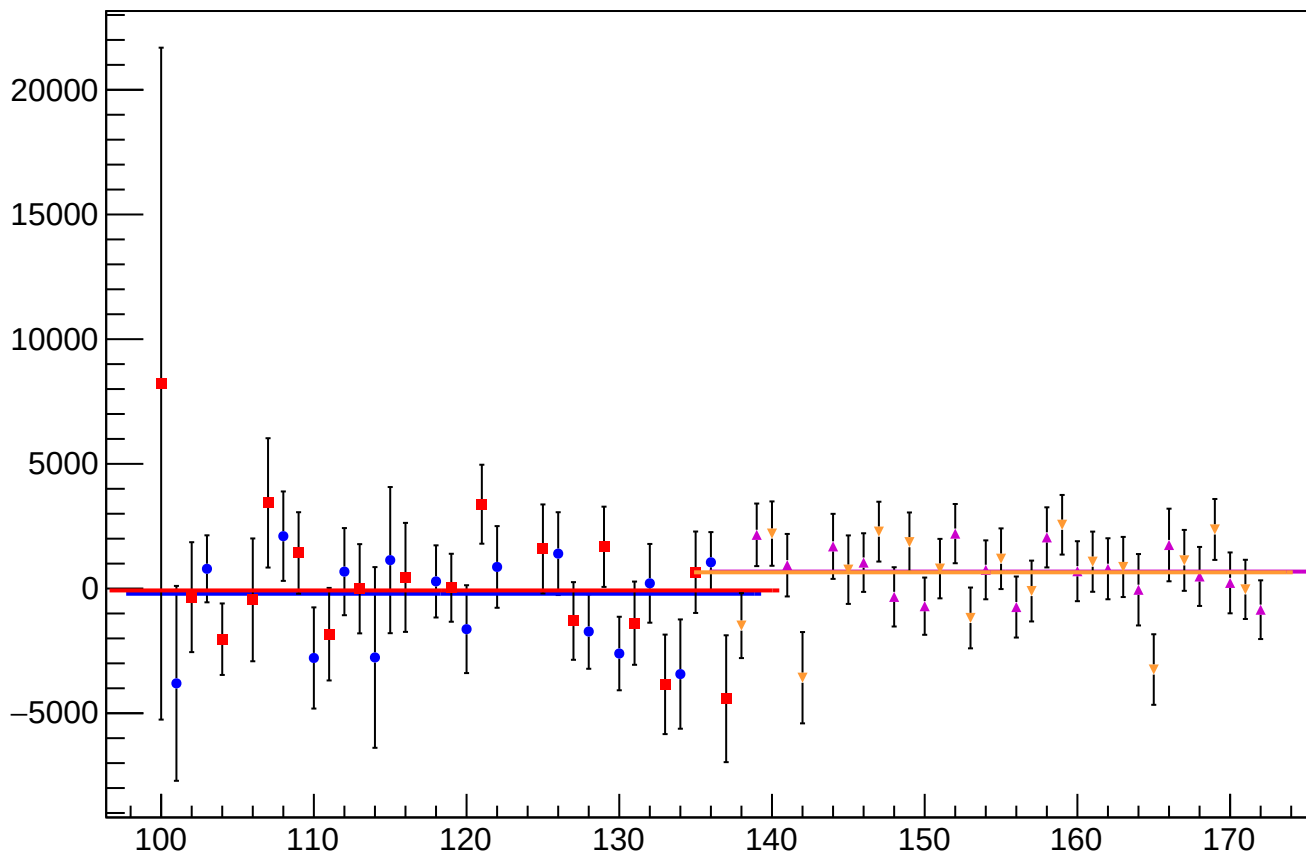
Left In: 3448.797+/-0.665 χ^2/NDF : 1023824.5/16

+ sign 896.111+/-0.237 χ^2/NDF : 26531317.5/32

All: 838.878+/-0.160 χ^2/NDF : 54677385.7/67

- sign 791.545+/-0.216 χ^2/NDF : 28039738.2/34

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

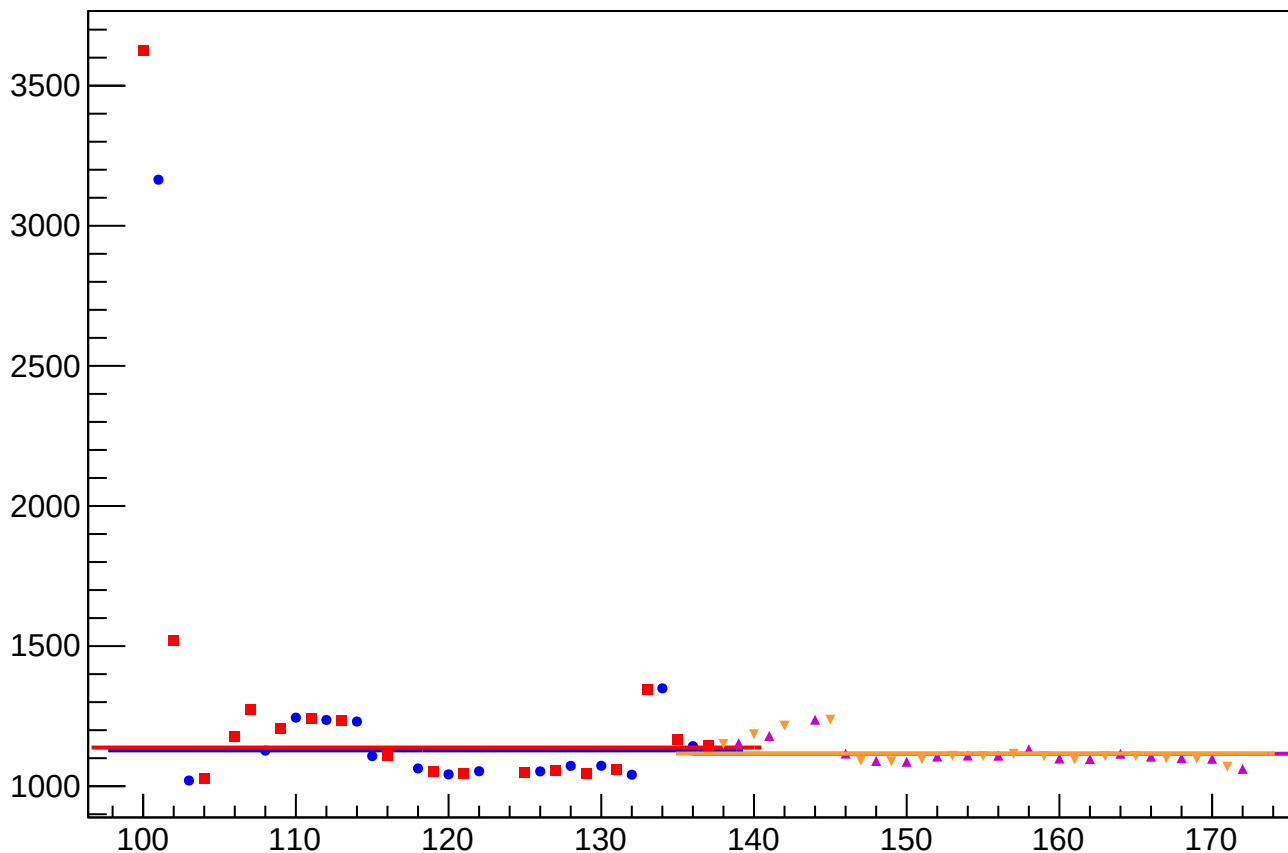
Left In: 680.081 ± 298.051 χ^2/NDF : 11.3/16

+ sign 363.081 ± 248.498 χ^2/NDF : 45.4/32

All: 399.725 ± 174.501 χ^2/NDF : 79.4/67

- sign 435.374 ± 245.100 χ^2/NDF : 34.0/34

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621395.6/15

Left Out: 1116.726 $\pm$ 0.216 χ^2 /NDF: 35987.0/16

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

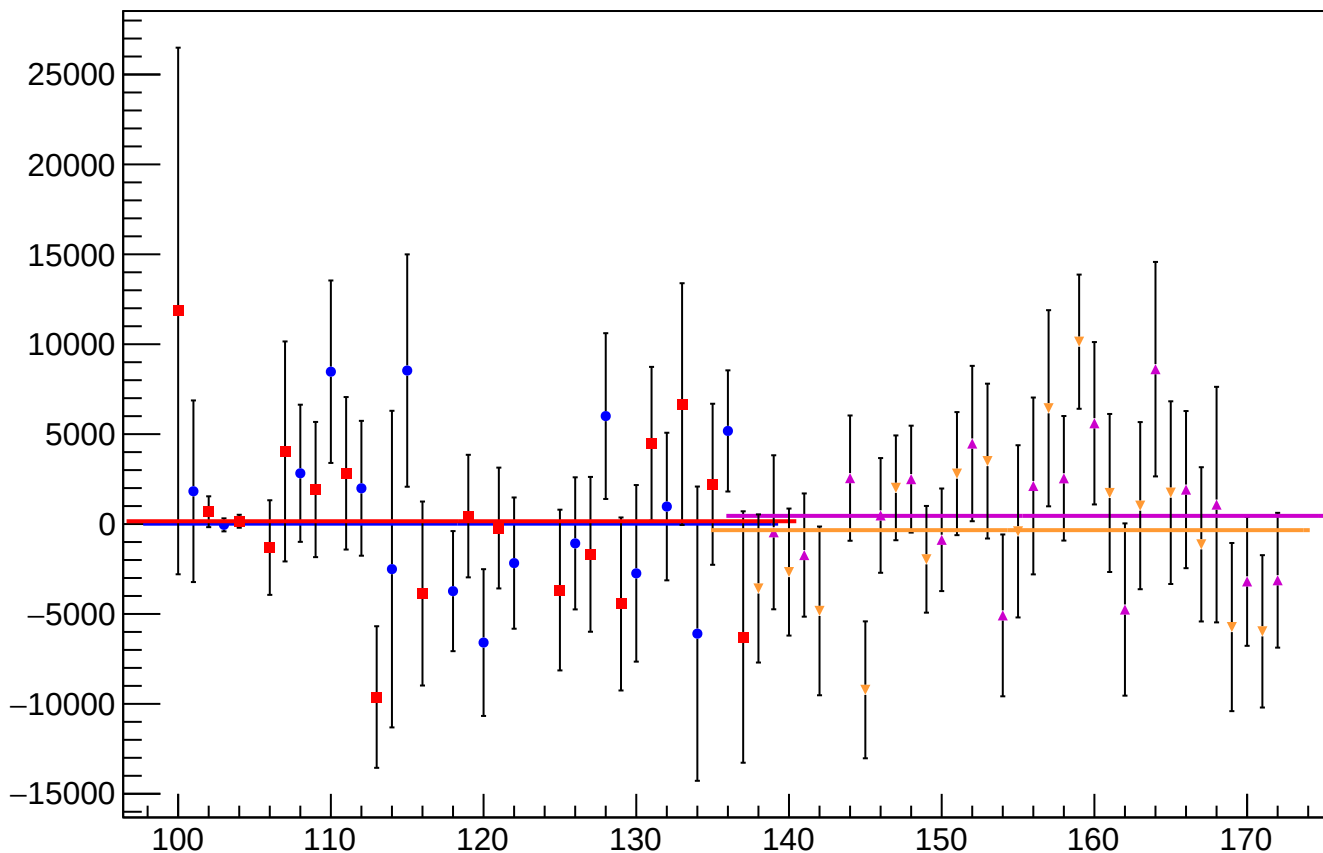
Left In: 1115.894 $\pm$ 0.211 χ^2 /NDF: 33061.3/16

+ sign 1120.509 $\pm$ 0.176 χ^2 /NDF: 658301.2/32

All: 1121.800 $\pm$ 0.123 χ^2 /NDF: 915657.9/67

- sign 1123.056 $\pm$ 0.173 χ^2 /NDF: 257250.1/34

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: 21.645 $\pm$ 344.525 χ^2 /NDF: 14.9/15

Left Out: -339.509 $\pm$ 968.602 χ^2 /NDF:23.0/16

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

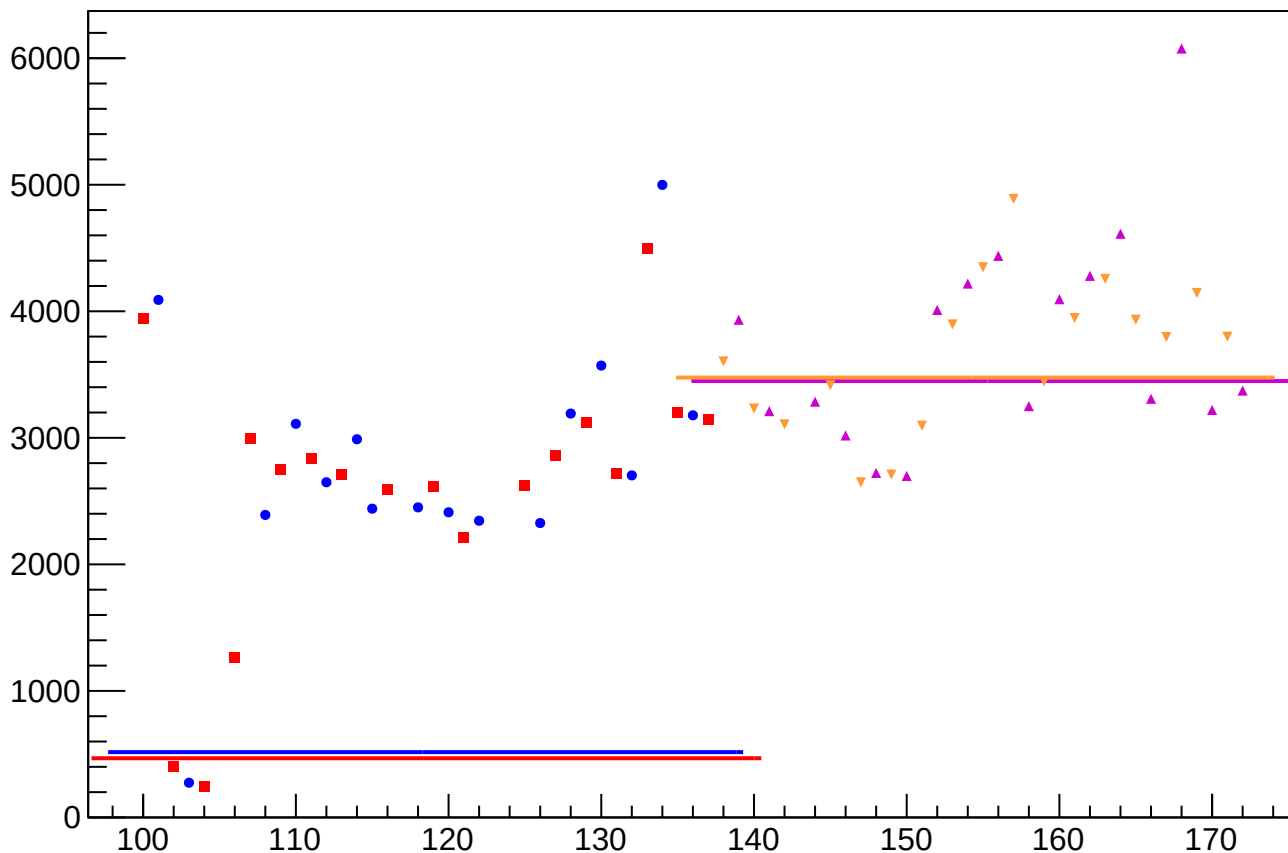
Left In: 455.081 $\pm$ 940.861 χ^2 /NDF:10.8/16

+ sign -18.916 $\pm$ 324.603 χ^2 /NDF: 38.0/32

All: 91.767 $\pm$ 220.602 χ^2 /NDF: 63.1/67

- sign 186.761 $\pm$ 300.720 χ^2 /NDF: 24.9/34

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 516.297 $\pm$ 0.244 χ^2 /NDF: 9834669.6/15

Left Out: 3476.207 $\pm$ 0.685 χ^2 /NDF: 722598.1/16

Right Out: 468.060 $\pm$ 0.224 χ^2 /NDF: 9111222.0/17

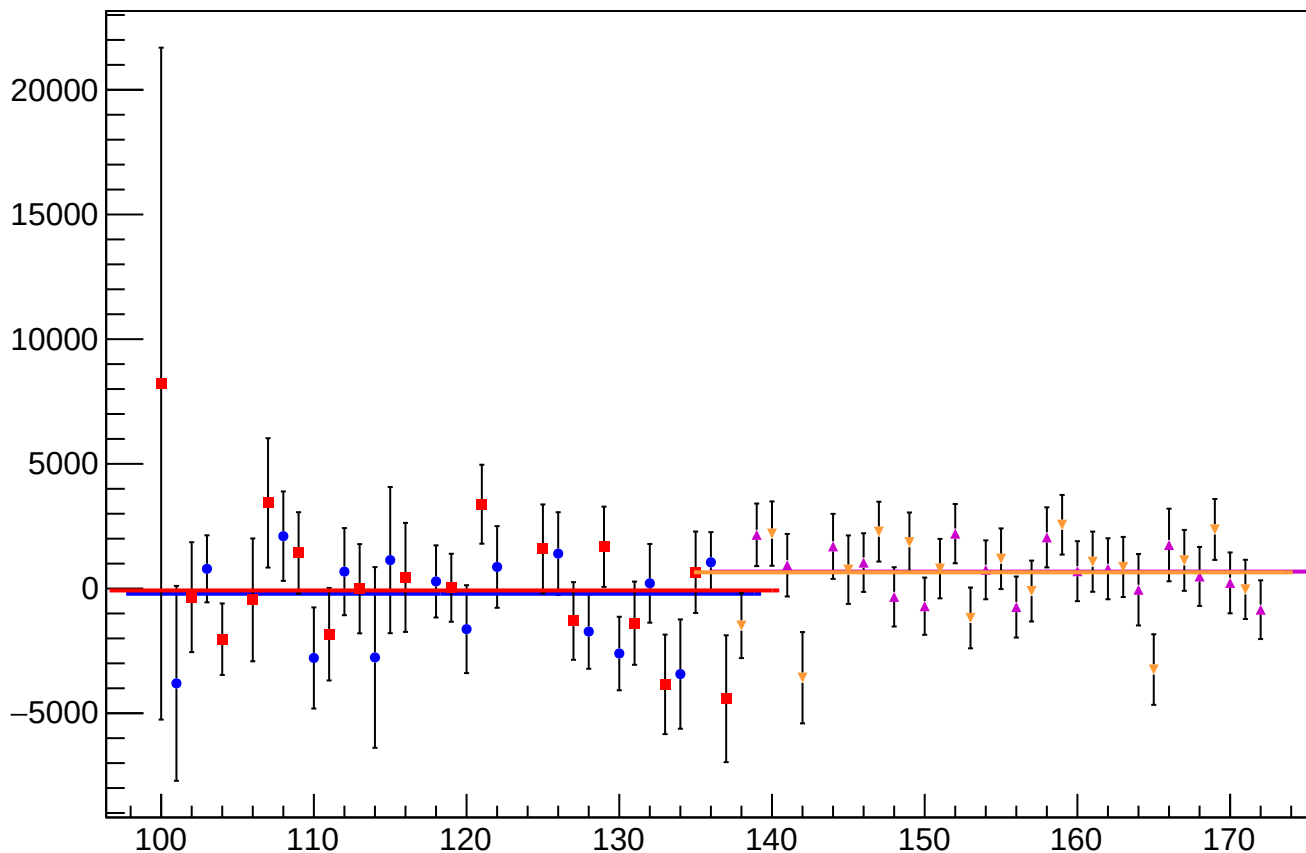
Left In: 3448.795 $\pm$ 0.665 χ^2 /NDF: 1023830.4/16

+ sign 848.721 $\pm$ 0.230 χ^2 /NDF: 27136266.5/32

All: 807.739 $\pm$ 0.156 χ^2 /NDF: 55353489.9/67

- sign 772.566 $\pm$ 0.213 χ^2 /NDF: 28157983.7/34

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

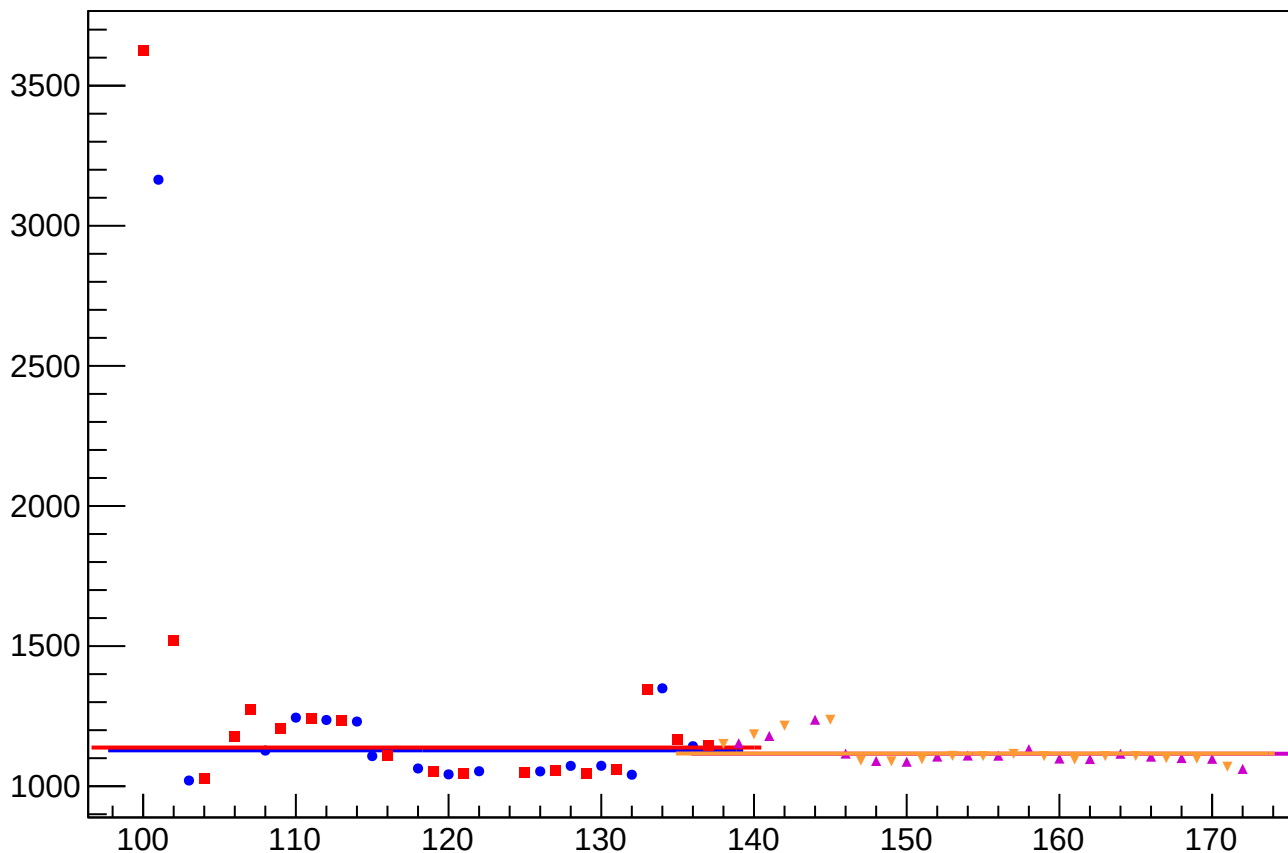
Left In: 680.081 ± 298.051 χ^2/NDF : 11.3/16

+ sign 363.081 ± 248.498 χ^2/NDF : 45.4/32

All: 399.725 ± 174.501 χ^2/NDF : 79.4/67

- sign 435.374 ± 245.100 χ^2/NDF : 34.0/34

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.007 $\pm$ 0.303 χ^2 /NDF: 621395.6/15

Left Out: 1116.726 $\pm$ 0.216 χ^2 /NDF: 35987.0/16

Right Out: 1138.000 $\pm$ 0.304 χ^2 /NDF: 220624.5/17

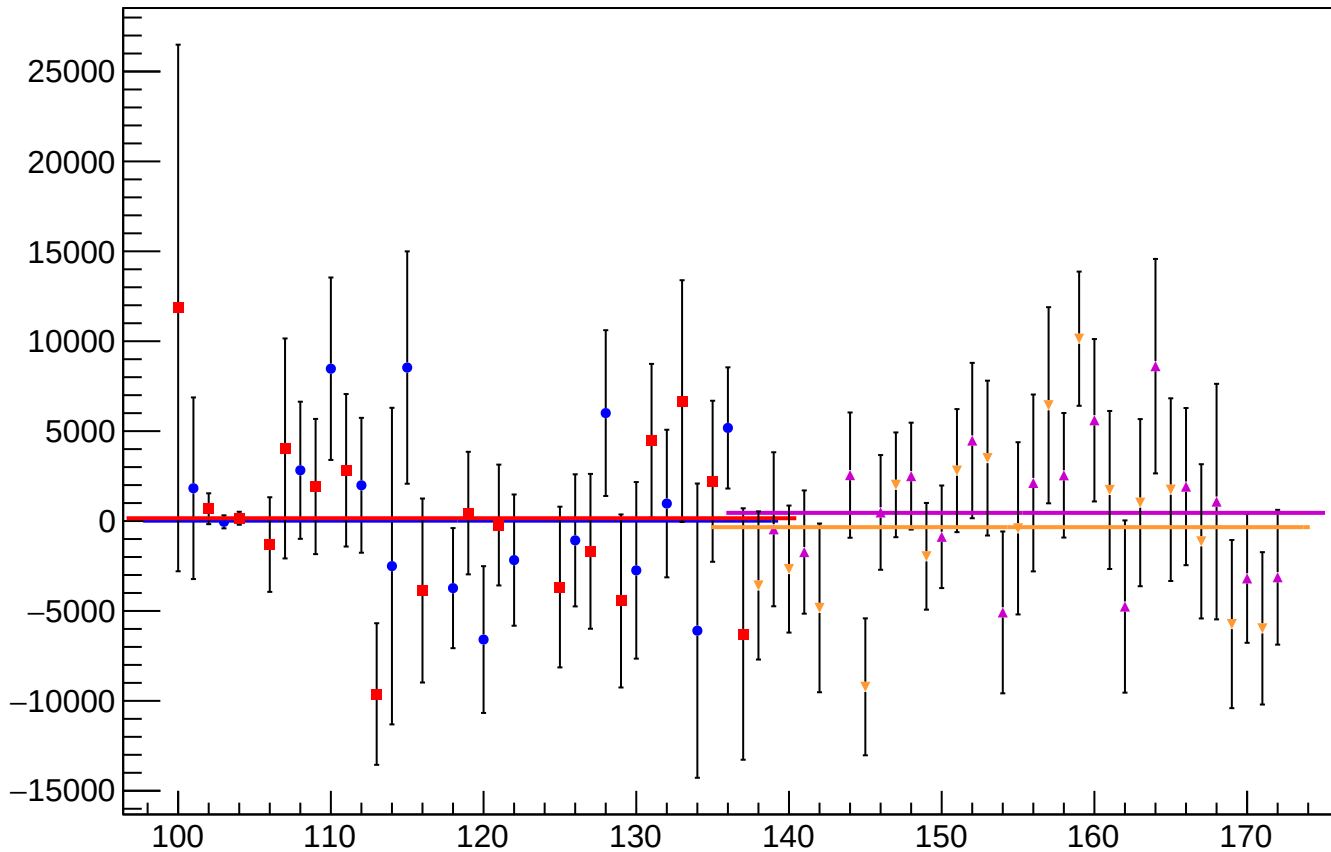
Left In: 1115.894 $\pm$ 0.211 χ^2 /NDF: 33061.3/16

+ sign 1120.509 $\pm$ 0.176 χ^2 /NDF: 658301.2/32

All: 1121.800 $\pm$ 0.123 χ^2 /NDF: 915657.9/67

- sign 1123.056 $\pm$ 0.173 χ^2 /NDF: 257250.1/34

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 21.645 $\pm$ 344.525 χ^2 /NDF: 14.9/15

Left Out: -339.509 $\pm$ 968.602 χ^2 /NDF:23.0/16

Right Out: 156.231 $\pm$ 317.367 χ^2 /NDF: 14.0/17

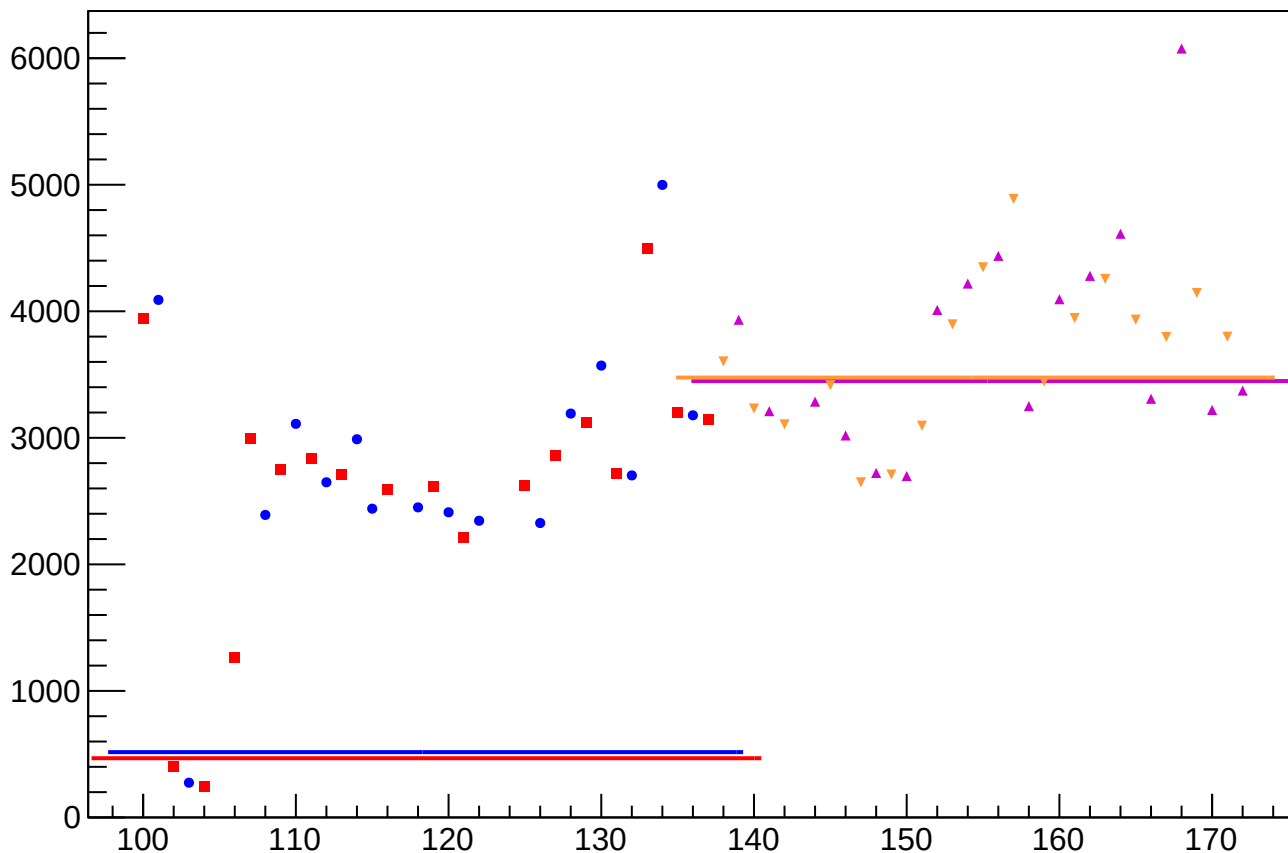
Left In: 455.081 $\pm$ 940.861 χ^2 /NDF:10.8/16

+ sign -18.916 $\pm$ 324.603 χ^2 /NDF: 38.0/32

All: 91.767 $\pm$ 220.602 χ^2 /NDF: 63.1/67

- sign 186.761 $\pm$ 300.720 χ^2 /NDF: 24.9/34

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



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

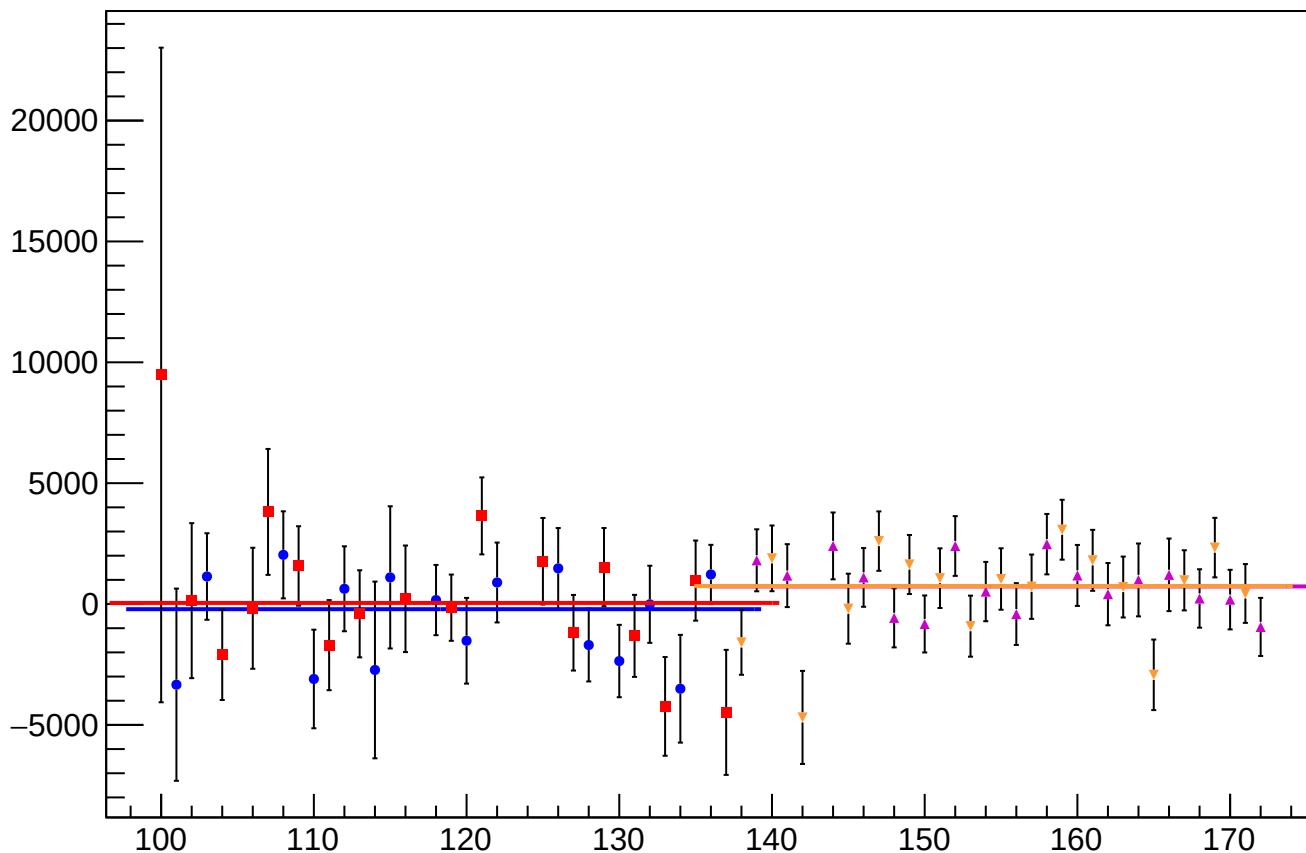
Left In: 3448.795+/-0.665 χ^2/NDF : 1023830.4/16

+ sign 848.721+/-0.230 χ^2/NDF : 27136266.5/32

All: 807.739+/-0.156 χ^2/NDF : 55353489.9/67

- sign 772.566+/-0.213 χ^2/NDF : 28157983.7/34

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

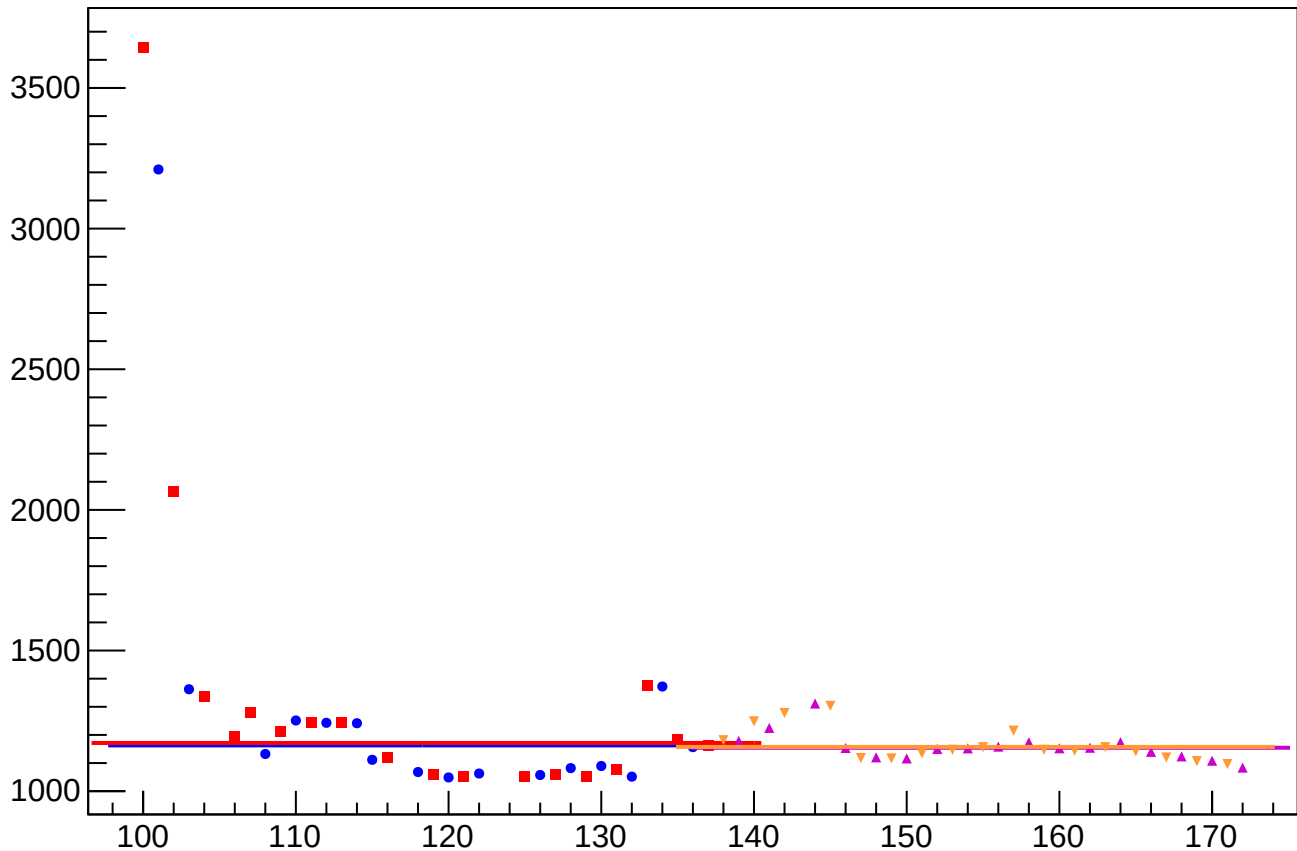
Left In: 728.313 ± 308.456 χ^2/NDF : 12.5/16

+ sign 420.945 ± 257.238 χ^2/NDF : 46.6/32

All: 465.146 ± 180.709 χ^2/NDF : 82.4/67

- sign 508.213 ± 253.917 χ^2/NDF : 35.8/34

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851 $\pm$ 0.313 χ^2 /NDF: 635353.4/15

Left Out: 1157.410 $\pm$ 0.224 χ^2 /NDF: 57431.6/16

Right Out: 1171.420 $\pm$ 0.316 χ^2 /NDF: 331640.8/17

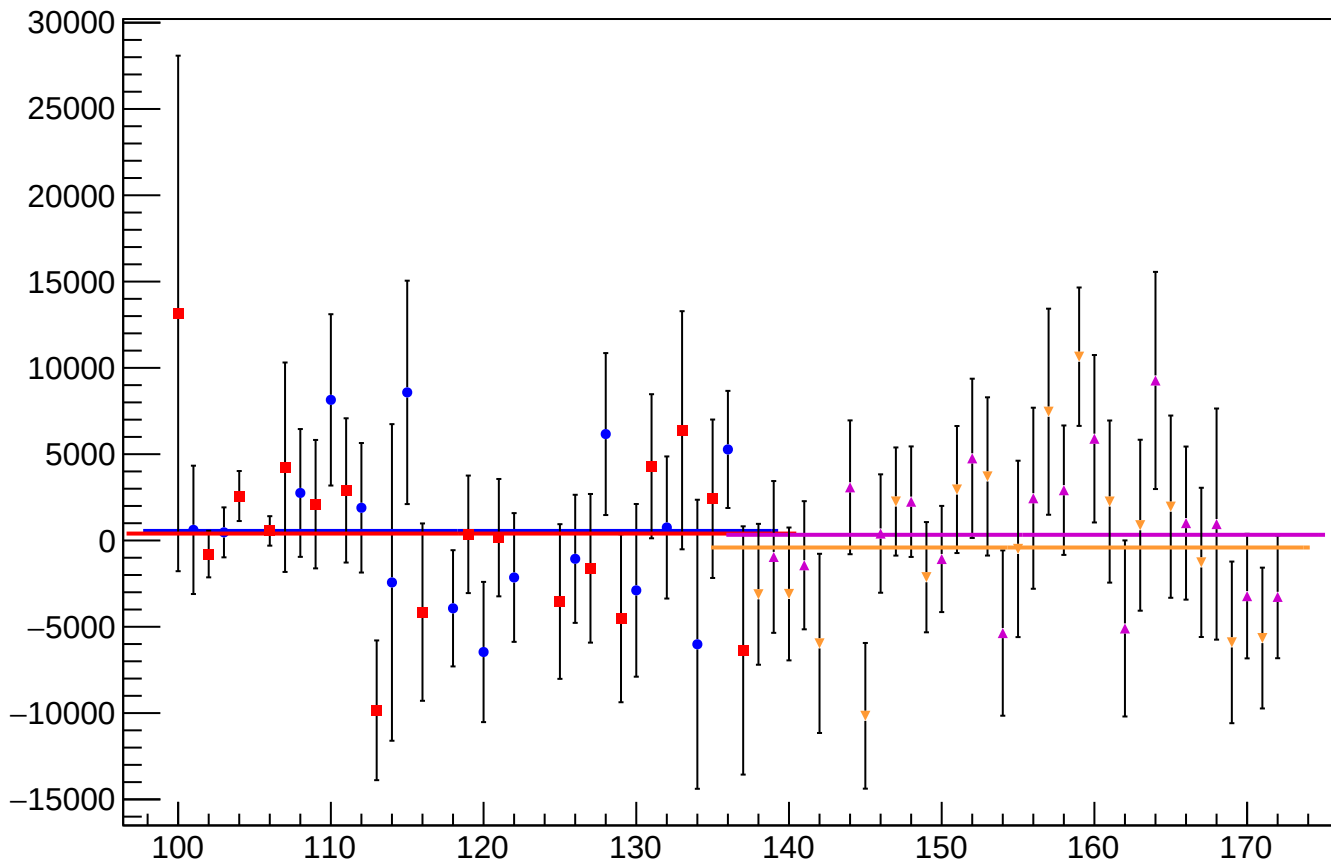
Left In: 1154.413 $\pm$ 0.218 χ^2 /NDF: 48162.4/16

+ sign 1159.247 $\pm$ 0.182 χ^2 /NDF: 692985.2/32

All: 1159.577 $\pm$ 0.128 χ^2 /NDF: 1074756.1/67

- sign 1159.899 $\pm$ 0.180 χ^2 /NDF: 381764.4/34

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 552.517 $\pm$ 874.128 χ^2 /NDF: 14.4/15

Left Out: -406.921 $\pm$ 1024.949 χ^2 /NDF:23.1/16

Right Out: 400.432 $\pm$ 565.871 χ^2 /NDF: 16.7/17

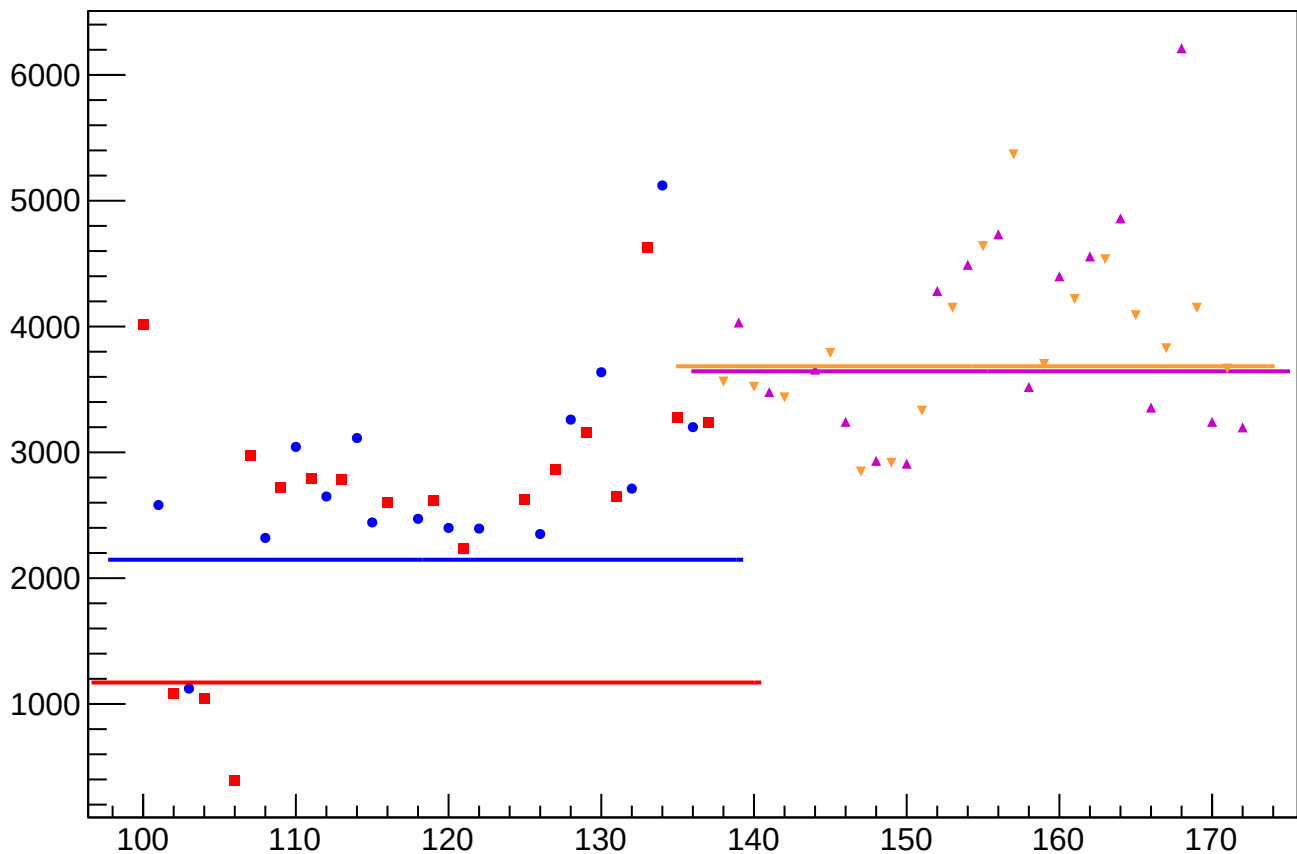
Left In: 328.636 $\pm$ 993.844 χ^2 /NDF:10.8/16

+ sign 148.517 $\pm$ 665.096 χ^2 /NDF: 38.0/32

All: 300.029 $\pm$ 395.408 χ^2 /NDF: 65.6/67

- sign 382.855 $\pm$ 491.748 χ^2 /NDF: 27.5/34

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



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

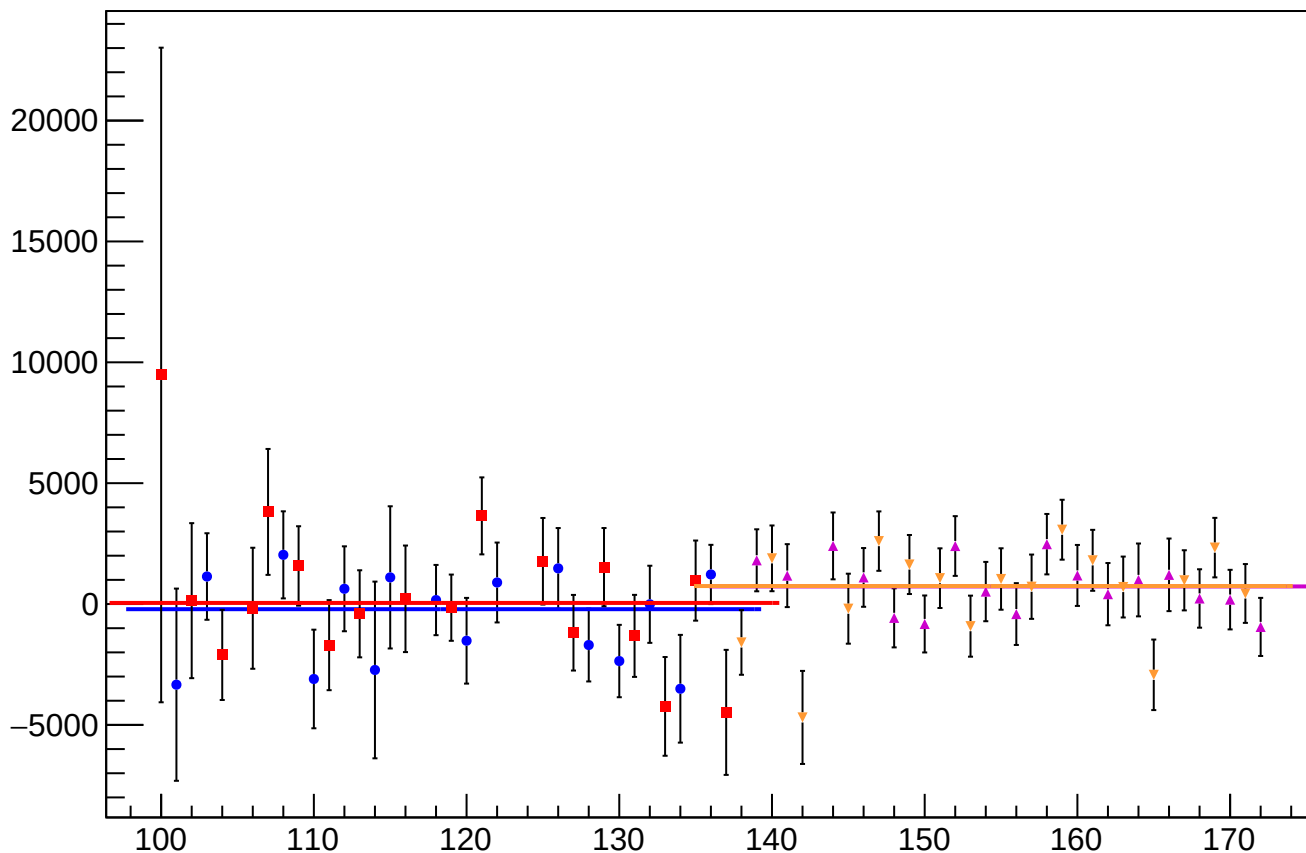
Left In: 3644.148+/-0.703 χ^2/NDF : 994960.4/16

+ sign 2794.079+/-0.470 χ^2/NDF : 5236527.5/32

All: 2135.936+/-0.280 χ^2/NDF : 24434026.9/6

- sign 1776.156+/-0.348 χ^2/NDF : 16168514.2/34

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

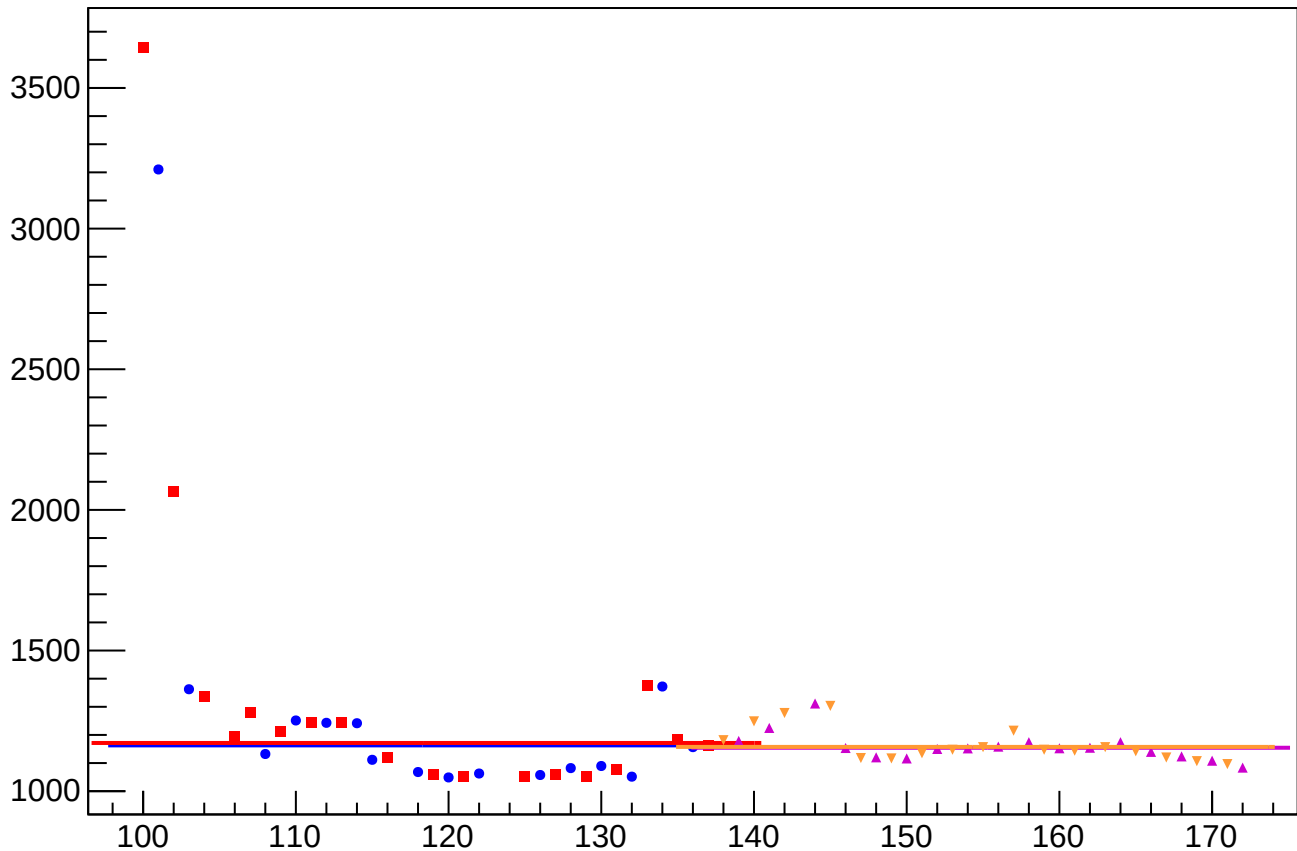
Left In: 728.313+/-308.456 χ^2/NDF : 12.5/16

+ sign 420.944+/-257.238 χ^2/NDF : 46.6/32

All: 465.145+/-180.709 χ^2/NDF : 82.4/67

- sign 508.213+/-253.918 χ^2/NDF : 35.8/34

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1162.851 $\pm$ 0.313 χ^2 /NDF: 635353.6/15

Left Out: 1157.410 $\pm$ 0.224 χ^2 /NDF: 57432.6/16

Right Out: 1171.420 $\pm$ 0.316 χ^2 /NDF: 331640.4/17

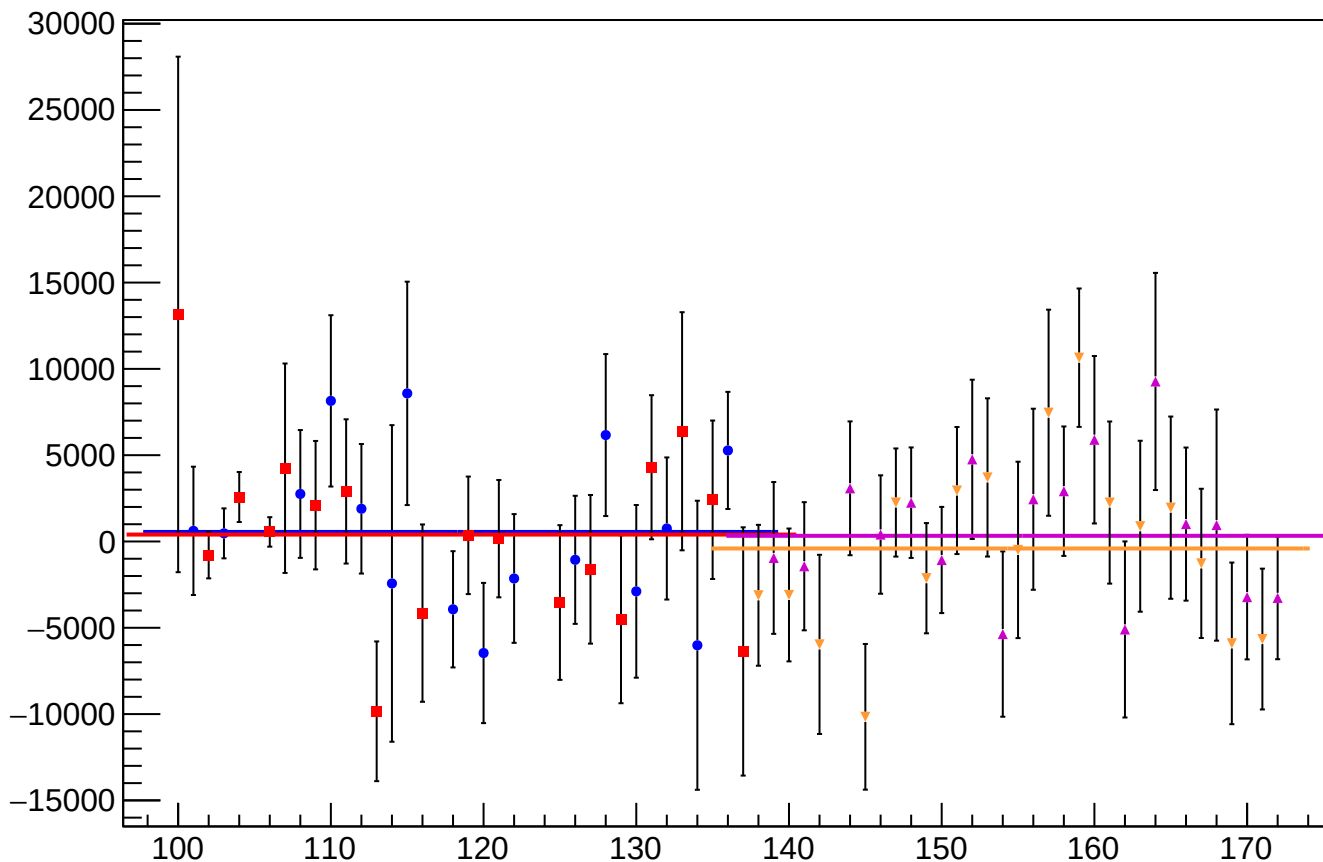
Left In: 1154.414 $\pm$ 0.218 χ^2 /NDF: 48163.1/16

+ sign 1159.248 $\pm$ 0.182 χ^2 /NDF: 692986.3/32

All: 1159.578 $\pm$ 0.128 χ^2 /NDF: 1074757.4/67

- sign 1159.900 $\pm$ 0.180 χ^2 /NDF: 381764.6/34

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 552.510 $\pm$ 874.126 χ^2 /NDF: 14.4/15

Left Out: -406.923 $\pm$ 1024.950 χ^2 /NDF:23.1/16

Right Out: 400.433 $\pm$ 565.864 χ^2 /NDF: 16.7/17

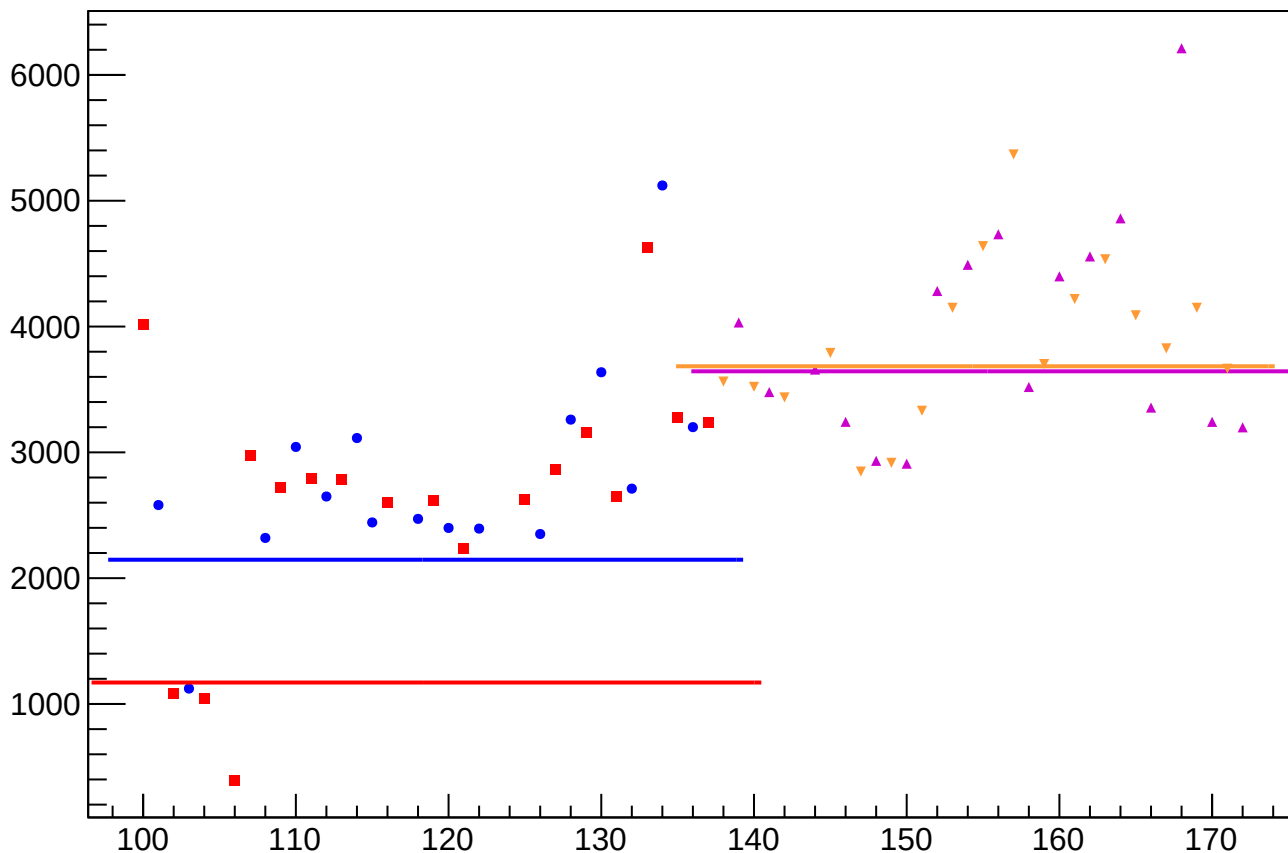
Left In: 328.634 $\pm$ 993.845 χ^2 /NDF:10.8/16

+ sign 148.514 $\pm$ 665.096 χ^2 /NDF: 38.0/32

All: 300.030 $\pm$ 395.405 χ^2 /NDF: 65.6/67

- sign 382.856 $\pm$ 491.743 χ^2 /NDF: 27.5/34

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



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

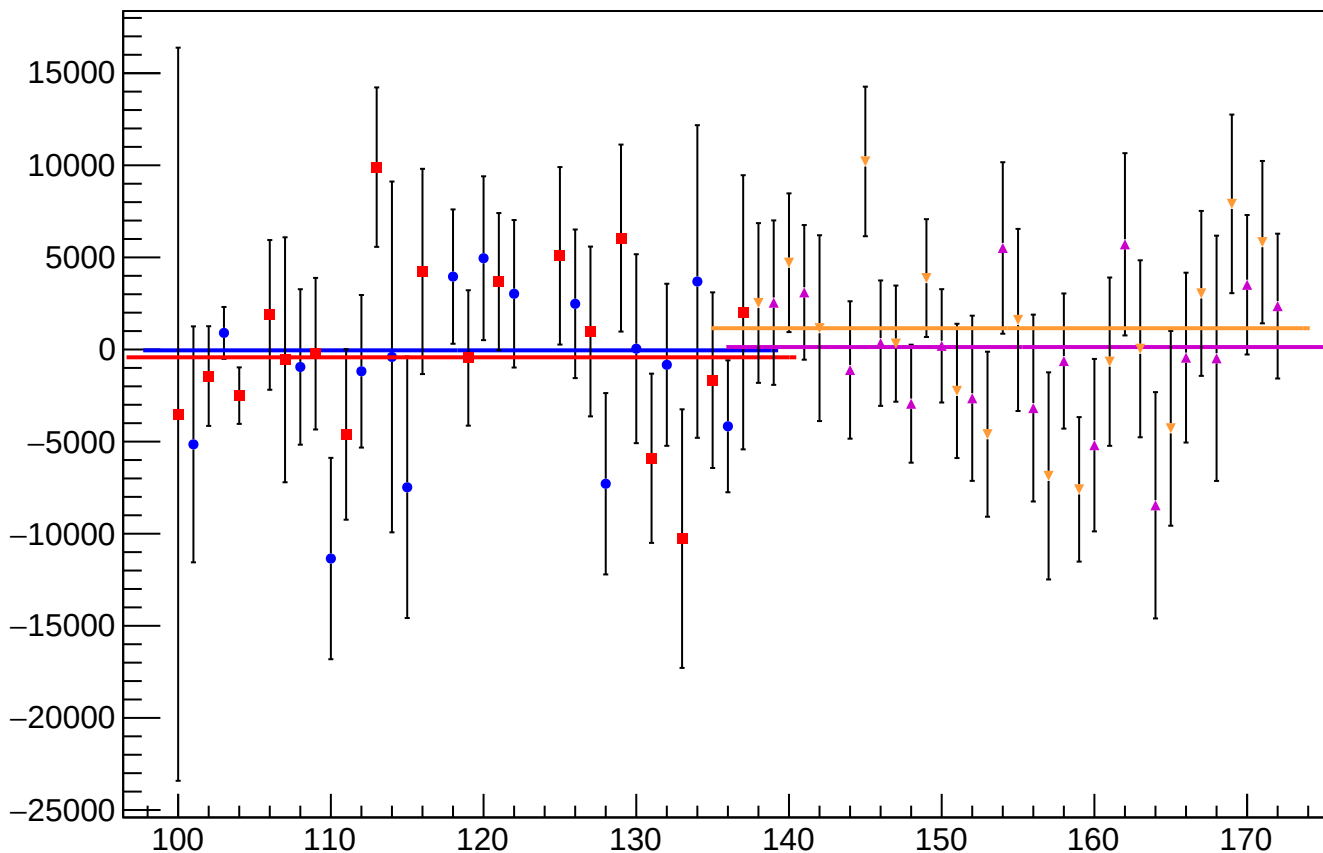
Left In: 3644.153+/-0.703 χ^2/NDF : 994962.5/16

+ sign 2794.077+/-0.470 χ^2/NDF : 5236551.1/32

All: 2135.912+/-0.280 χ^2/NDF : 24434603.2/6

- sign 1776.127+/-0.348 χ^2/NDF : 16168888.6/34

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

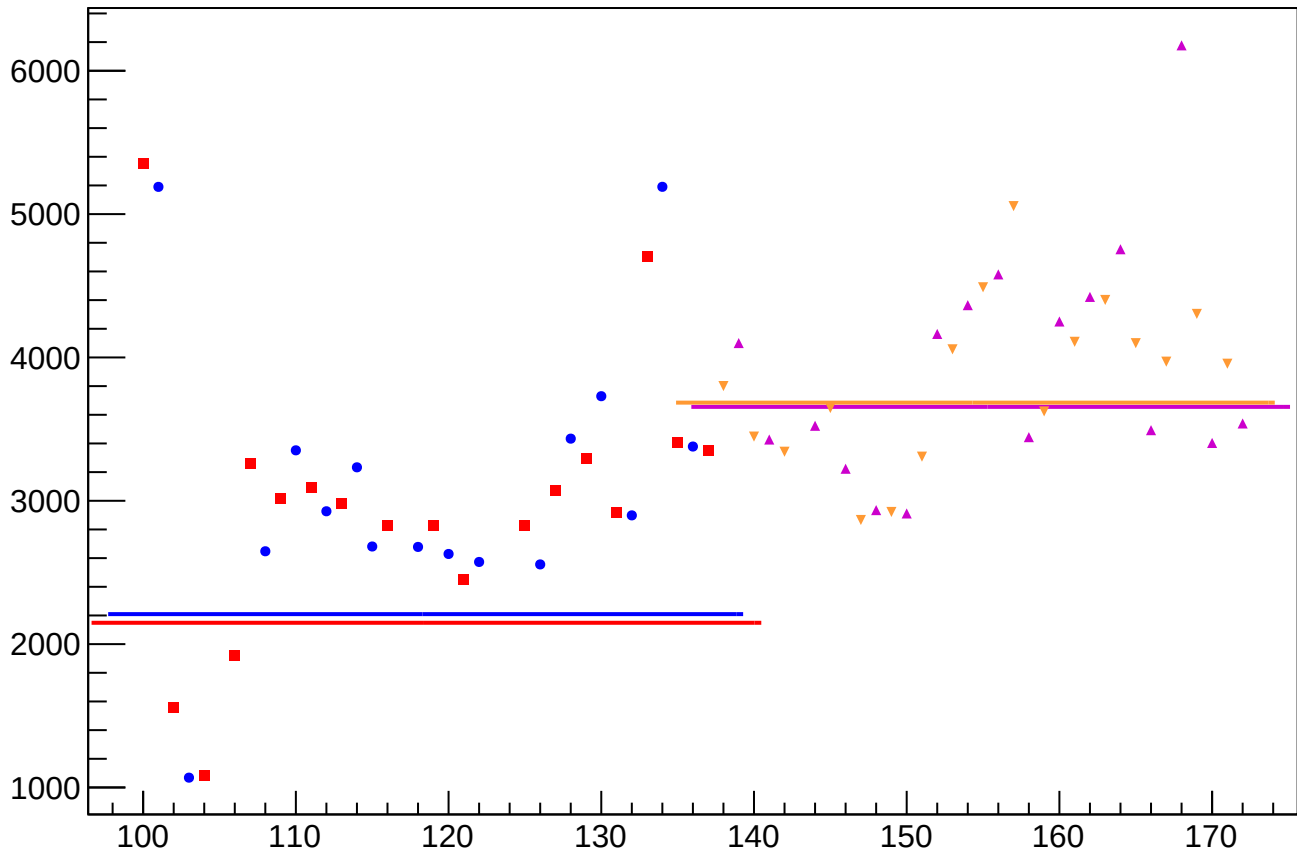
Left In: 133.366 ± 993.828 χ^2/NDF : 9.8/16

+ sign 492.514 ± 684.365 χ^2/NDF : 35.3/32

All: 150.299 ± 477.211 χ^2/NDF : 63.2/67

- sign -173.578 ± 665.775 χ^2/NDF : 27.4/34

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2209.349 $\pm$ 0.651 χ^2 /NDF: 2836875.7/15

Left Out: 3684.850 $\pm$ 0.723 χ^2 /NDF: 597228.6/16

Right Out: 2148.948 $\pm$ 0.633 χ^2 /NDF: 2269660.8/17

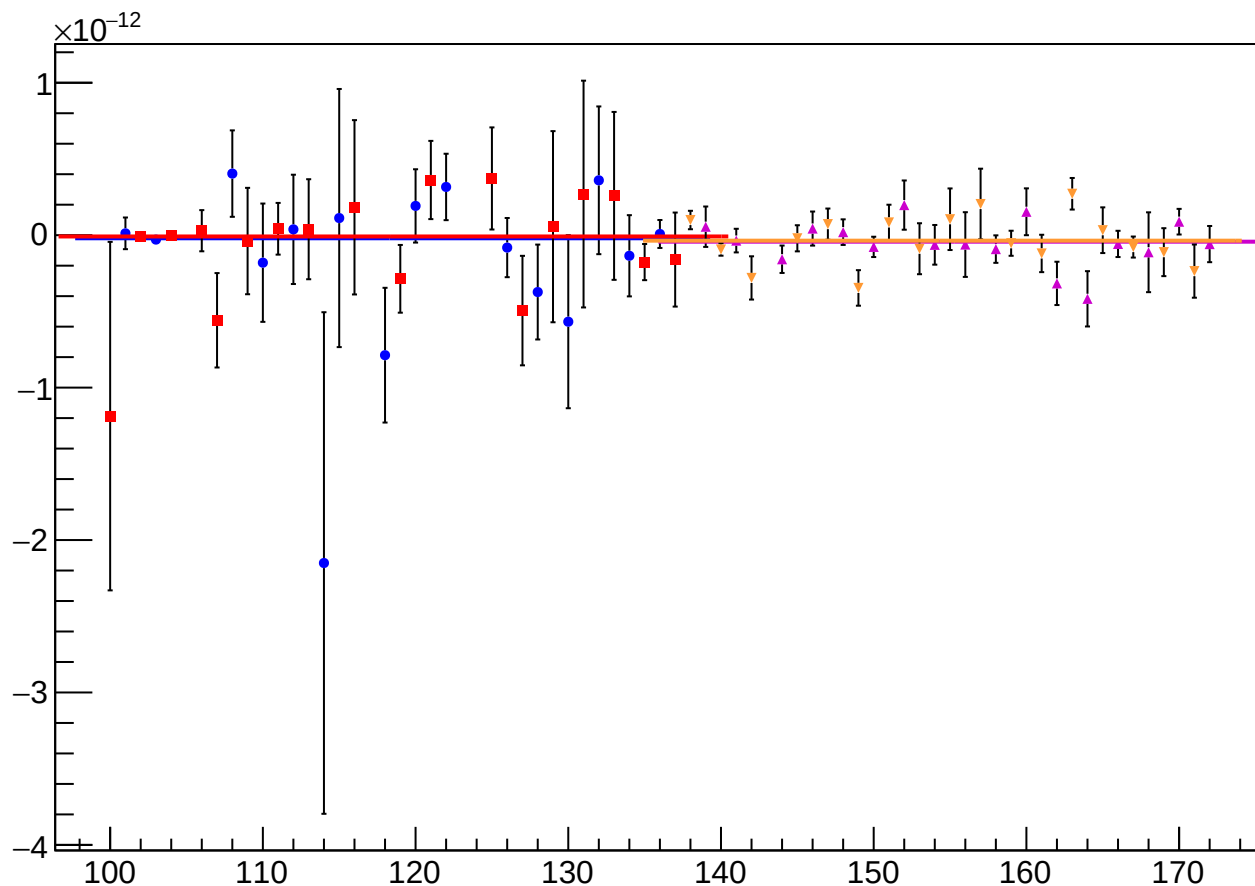
Left In: 3655.242 $\pm$ 0.703 χ^2 /NDF: 870224.2/16

+ sign 2869.684 $\pm$ 0.484 χ^2 /NDF: 5732717.7/32

All: 2845.749 $\pm$ 0.337 χ^2 /NDF: 11415320.2/6

- sign 2823.156 $\pm$ 0.470 χ^2 /NDF: 5677846.9/34

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:32.4/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/17

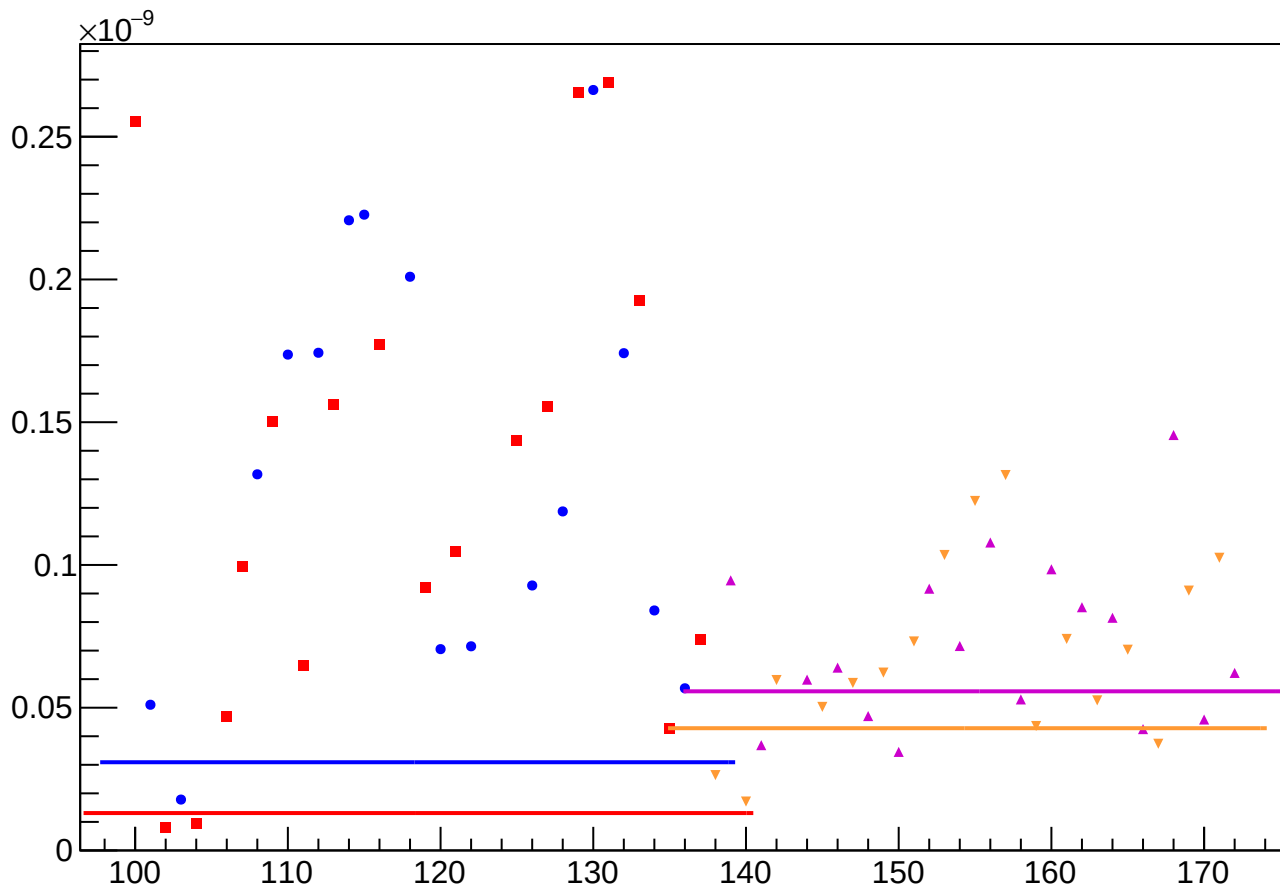
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.3/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.3/32

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 80.3/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/34

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



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

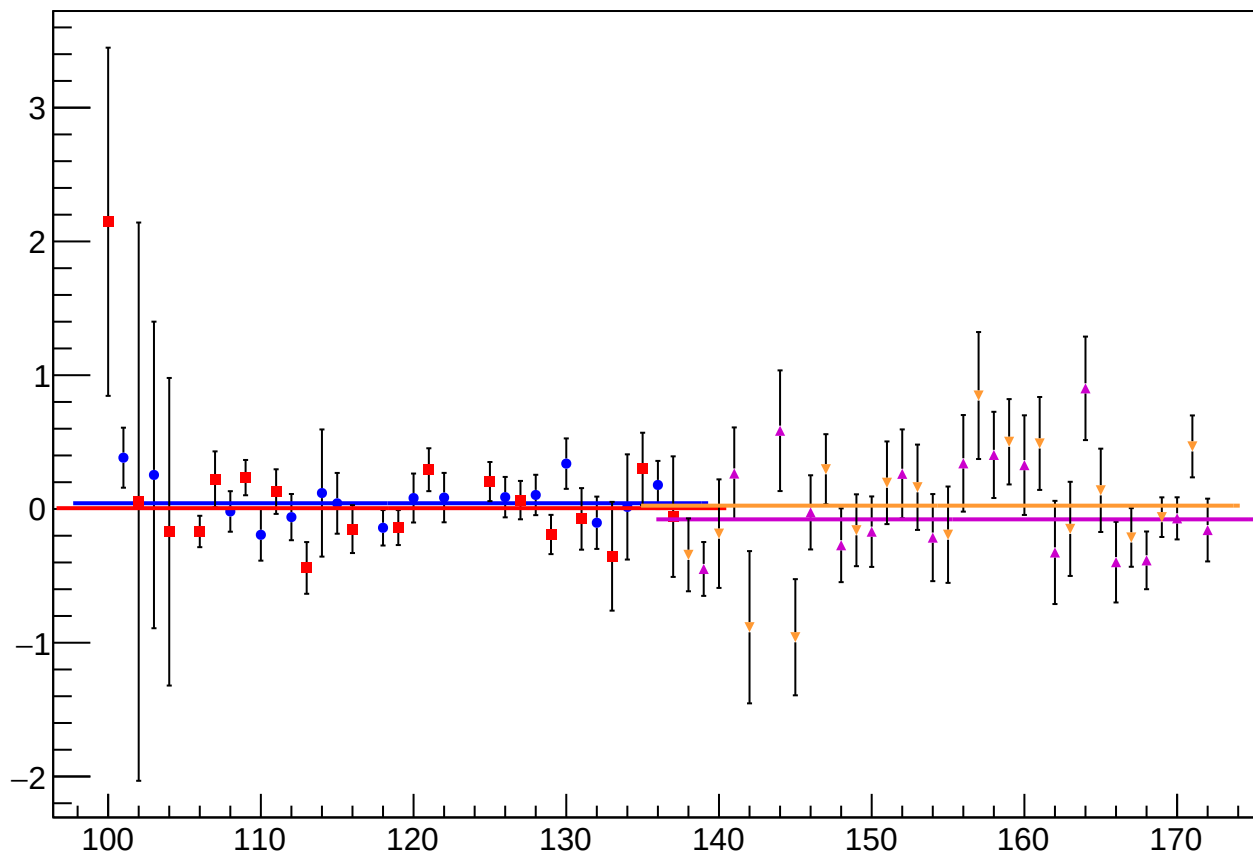
Left In: 0.000+/-0.000 χ^2/NDF : 1378100.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5986561.9/32

All: 0.000+/-0.000 χ^2/NDF : 16015016.0/67

- sign 0.000+/-0.000 χ^2/NDF : 9174705.0/34

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



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

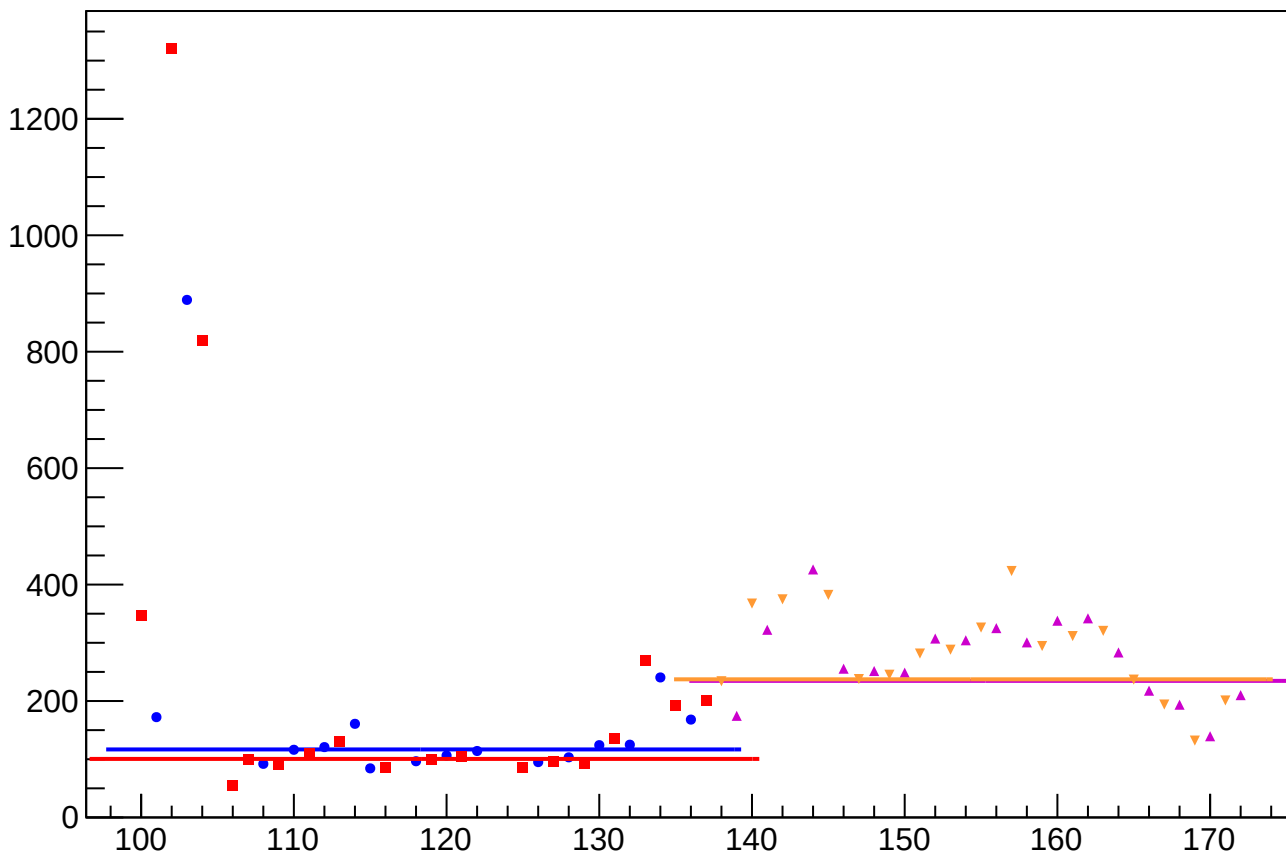
Left In: -0.078 ± 0.067 χ^2/NDF : 23.3/16

+ sign 0.037 ± 0.039 χ^2/NDF : 35.1/32

All: 0.007 ± 0.027 χ^2/NDF : 86.6/67

- sign -0.019 ± 0.036 χ^2/NDF : 50.4/34

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620809.7/15

Left Out: 237.267 $\pm$ 0.049 χ^2 /NDF: 2472201.8/16

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

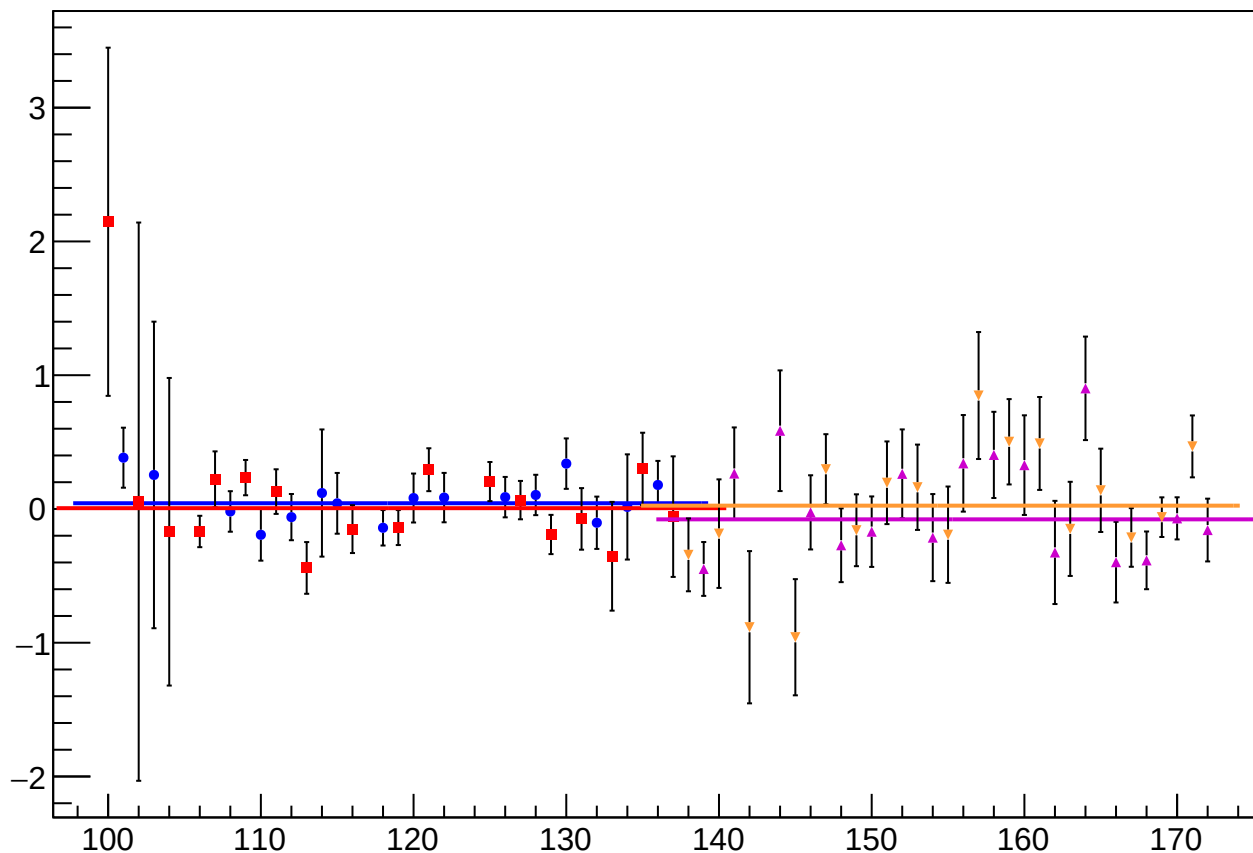
Left In: 234.594 $\pm$ 0.047 χ^2 /NDF: 2260831.1/16

+ sign 155.560 $\pm$ 0.028 χ^2 /NDF: 8232178.5/32

All: 147.501 $\pm$ 0.019 χ^2 /NDF: 19013362.8/67

- sign 140.539 $\pm$ 0.026 χ^2 /NDF: 10622799.5/34

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: 0.025 $\pm$ 0.069 χ^2 /NDF: 24.8/16

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

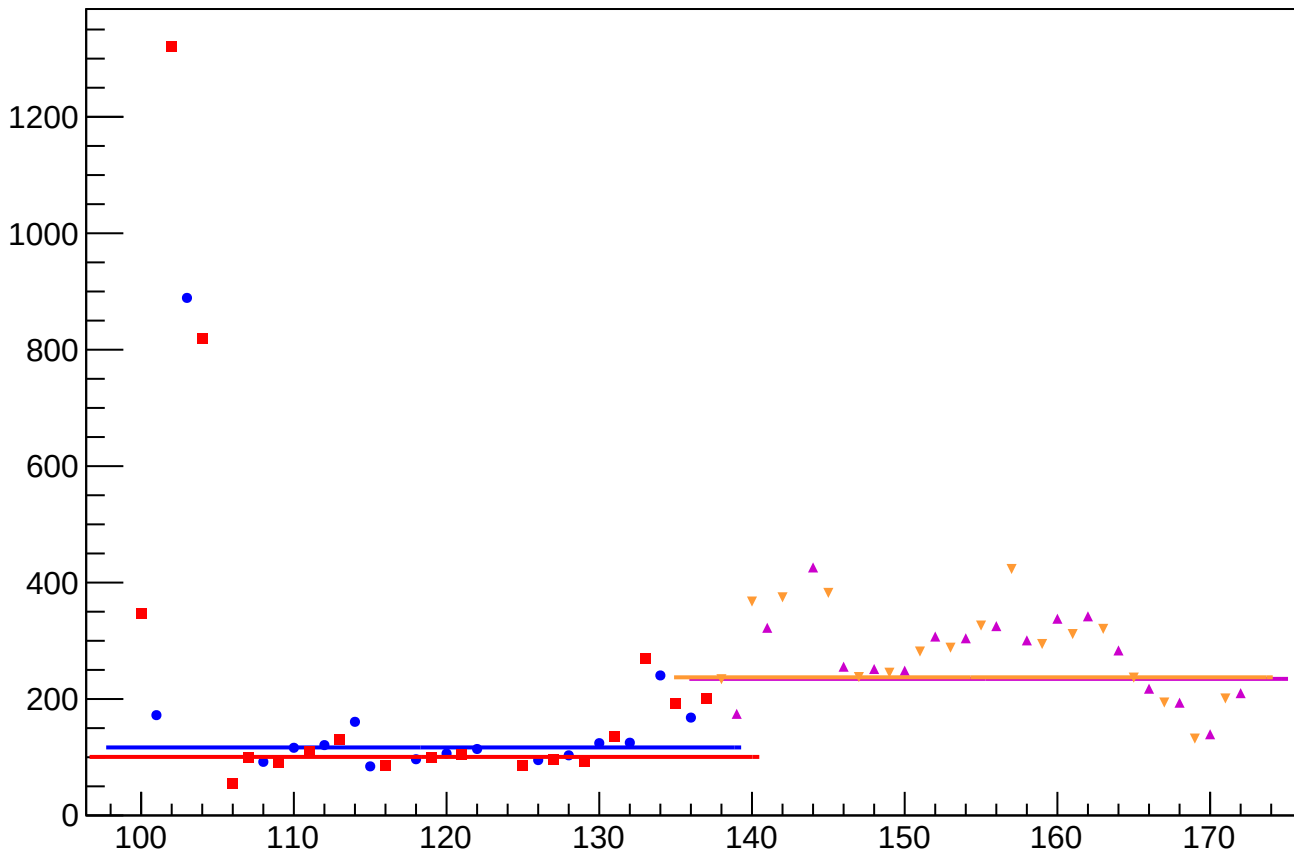
Left In: -0.078 $\pm$ 0.067 χ^2 /NDF: 23.3/16

+ sign 0.037 $\pm$ 0.039 χ^2 /NDF: 35.1/32

All: 0.007 $\pm$ 0.027 χ^2 /NDF: 86.6/67

- sign -0.019 $\pm$ 0.036 χ^2 /NDF: 50.4/34

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620809.7/15

Left Out: 237.267 $\pm$ 0.049 χ^2 /NDF: 2472201.8/16

Right Out: 100.544 $\pm$ 0.031 χ^2 /NDF: 2664151.6/17

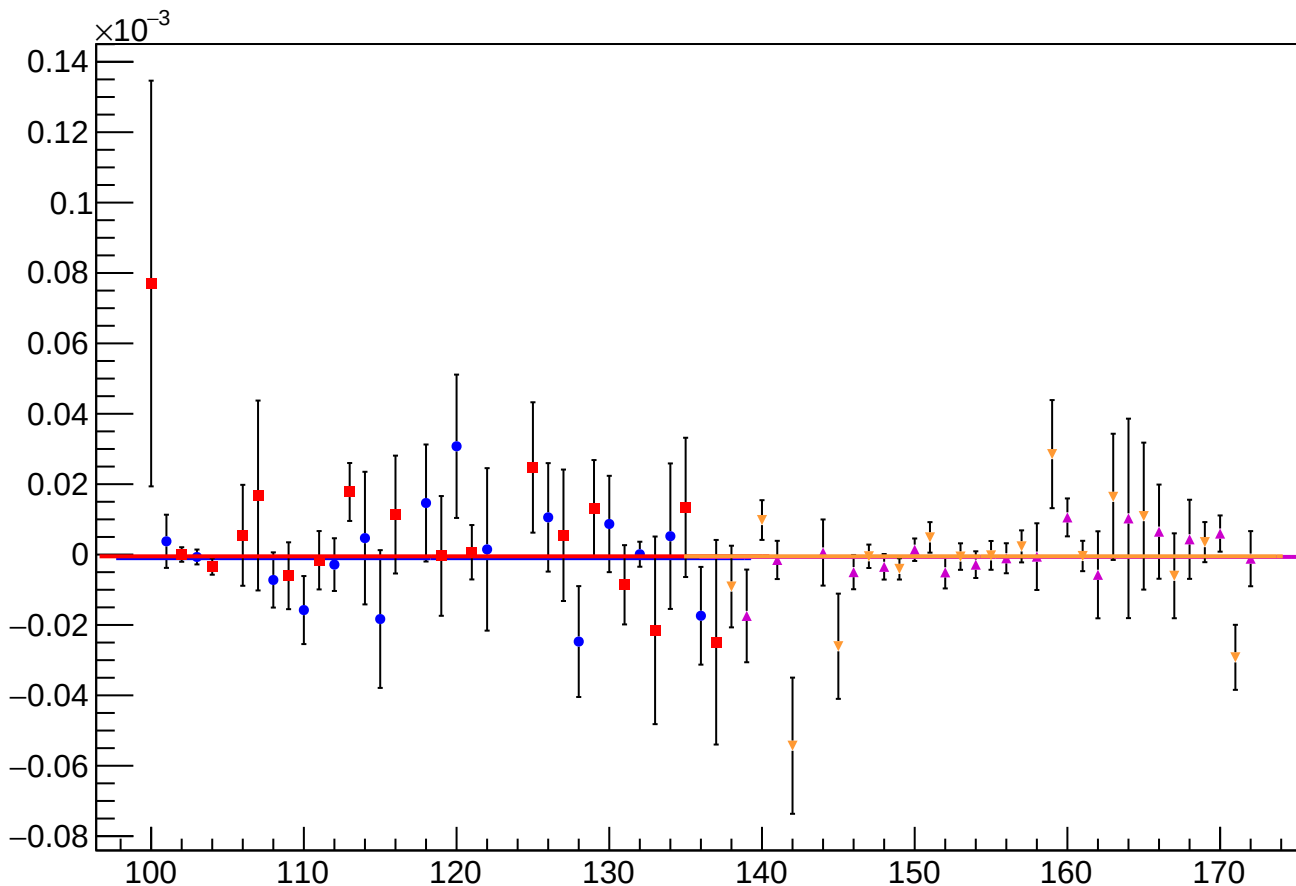
Left In: 234.594 $\pm$ 0.047 χ^2 /NDF: 2260831.1/16

+ sign 155.560 $\pm$ 0.028 χ^2 /NDF: 8232178.5/32

All: 147.501 $\pm$ 0.019 χ^2 /NDF: 19013362.8/67

- sign 140.539 $\pm$ 0.026 χ^2 /NDF: 10622799.5/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

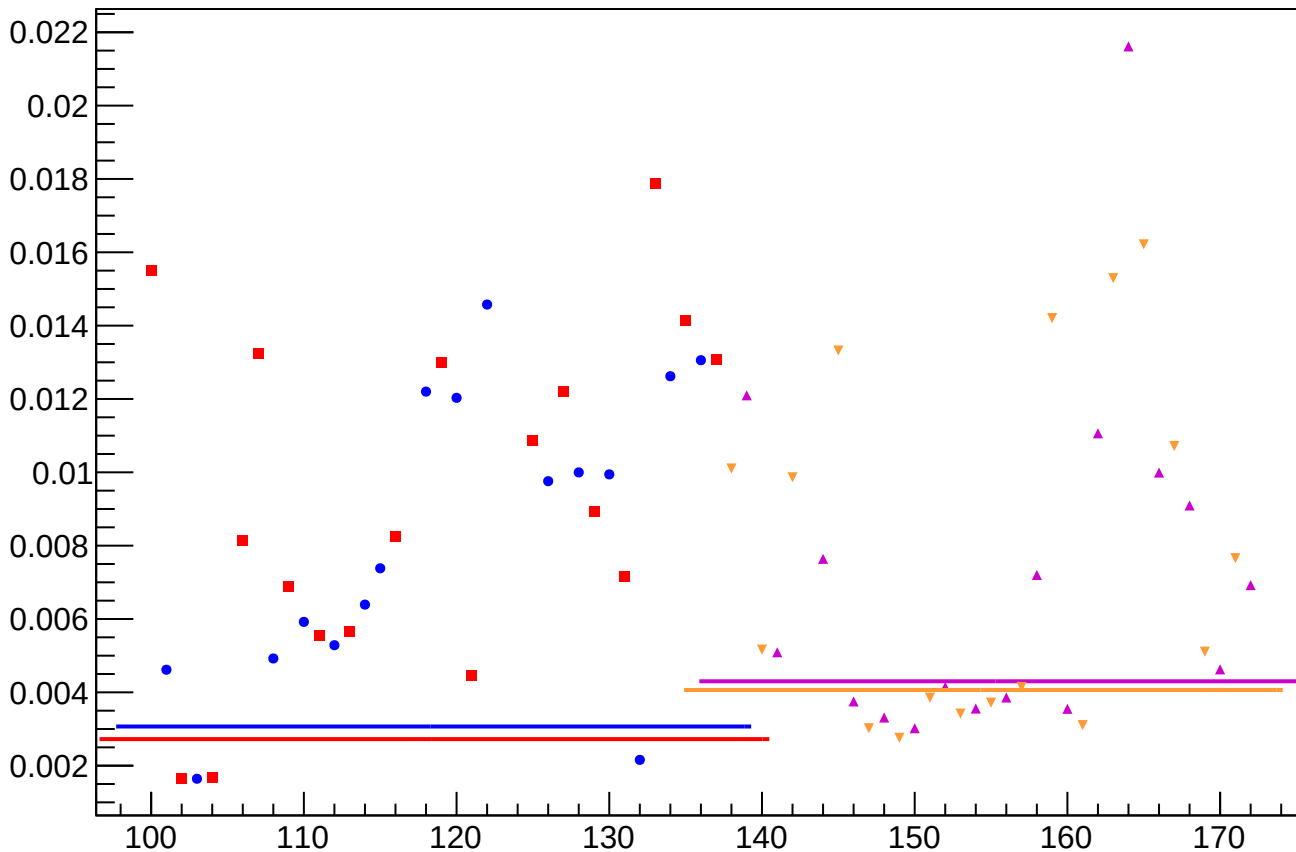
Left In: -0.000+/-0.000 χ^2 /NDF:11.5/16

+ sign -0.000+/-0.000 χ^2 /NDF: 45.6/32

All: -0.000+/-0.000 χ^2 /NDF: 72.2/67

- sign -0.000+/-0.000 χ^2 /NDF: 26.6/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF : 5624162.8/16

Right Out: 0.003+/-0.000 χ^2/NDF : 6713699.1/17

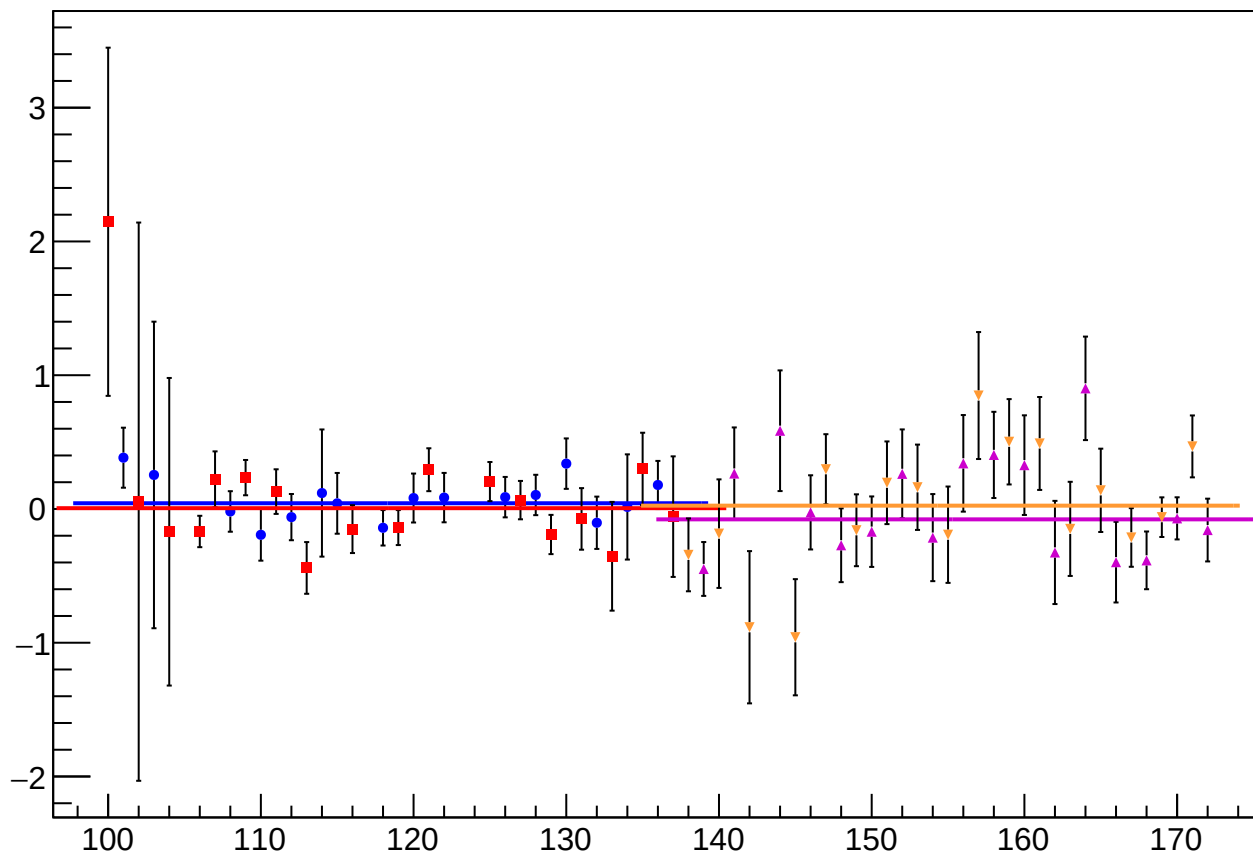
Left In: 0.004+/-0.000 χ^2/NDF : 4120845.7/16

+ sign 0.004+/-0.000 χ^2/NDF : 12061703.3/32

All: 0.004+/-0.000 χ^2/NDF : 24241794.7/67

- sign 0.004+/-0.000 χ^2/NDF : 12166566.9/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: 0.025 $\pm$ 0.069 χ^2 /NDF: 24.8/16

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

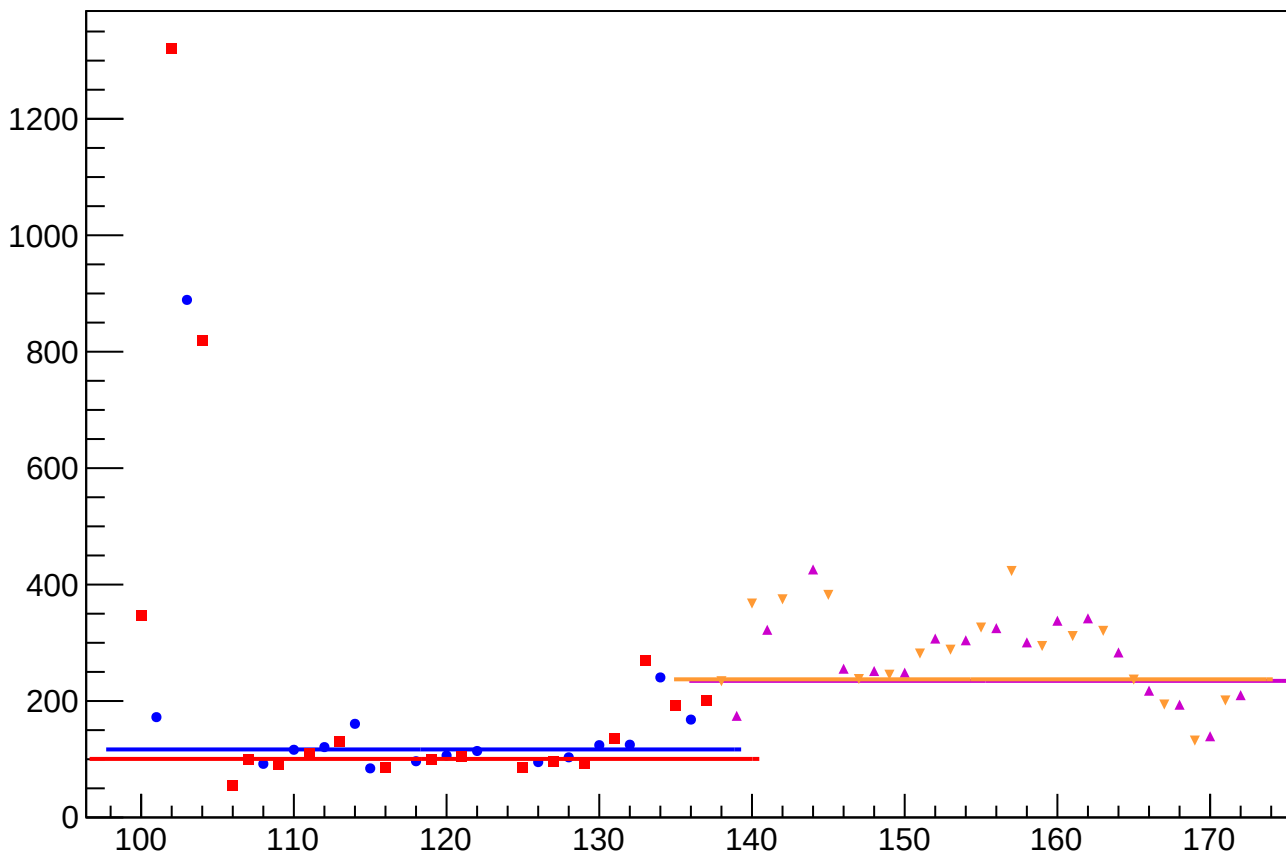
Left In: -0.078 $\pm$ 0.067 χ^2 /NDF: 23.3/16

+ sign 0.037 $\pm$ 0.039 χ^2 /NDF: 35.1/32

All: 0.007 $\pm$ 0.027 χ^2 /NDF: 86.6/67

- sign -0.019 $\pm$ 0.036 χ^2 /NDF: 50.4/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620812.6/15

Left Out: 237.268 $\pm$ 0.049 χ^2 /NDF: 2472297.1/16

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

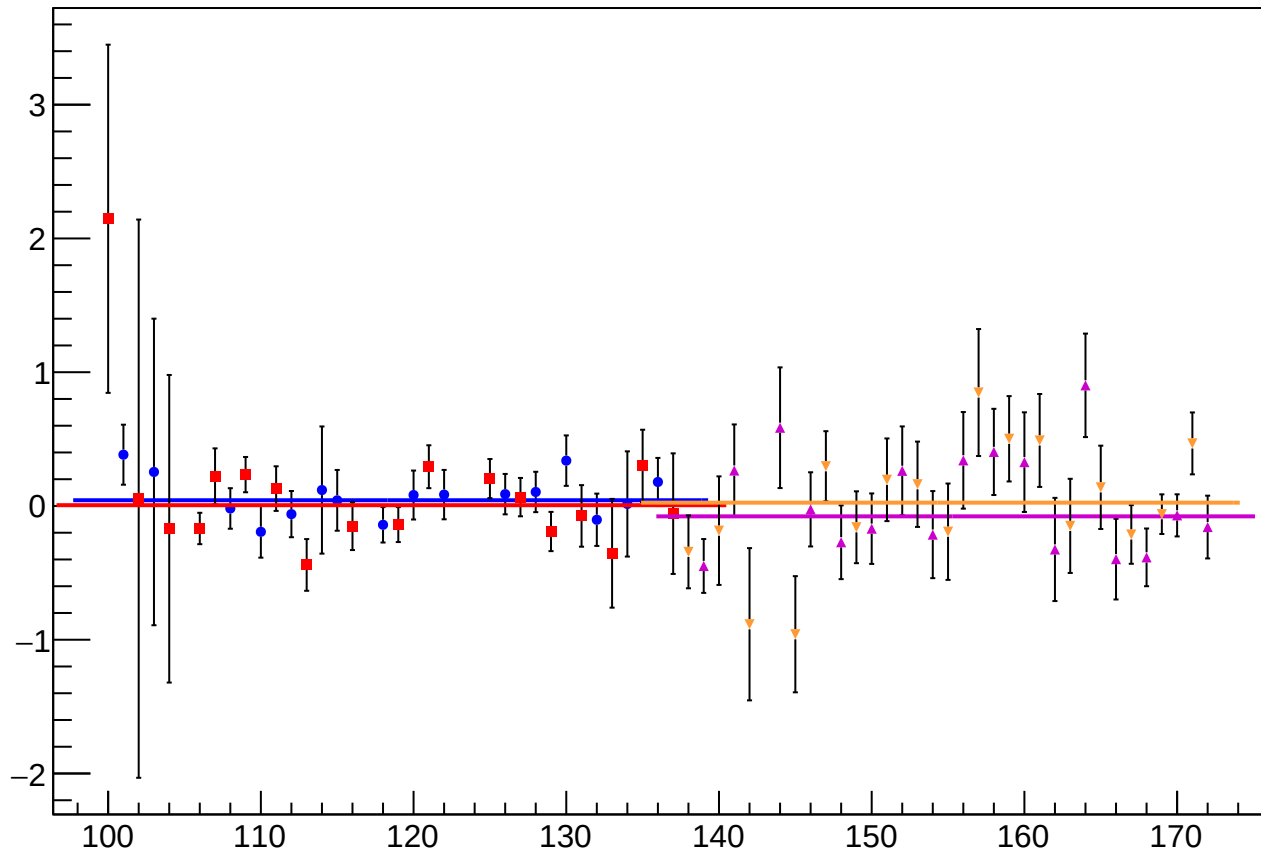
Left In: 234.596 $\pm$ 0.047 χ^2 /NDF: 2260853.2/16

+ sign 155.560 $\pm$ 0.028 χ^2 /NDF: 8232322.9/32

All: 147.500 $\pm$ 0.019 χ^2 /NDF: 19013824.4/67

- sign 140.538 $\pm$ 0.026 χ^2 /NDF: 10623098.8/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043 $\pm$ 0.047 χ^2 /NDF: 10.3/15

Left Out: 0.025 $\pm$ 0.069 χ^2 /NDF: 24.8/16

Right Out: 0.006 $\pm$ 0.043 χ^2 /NDF: 26.0/17

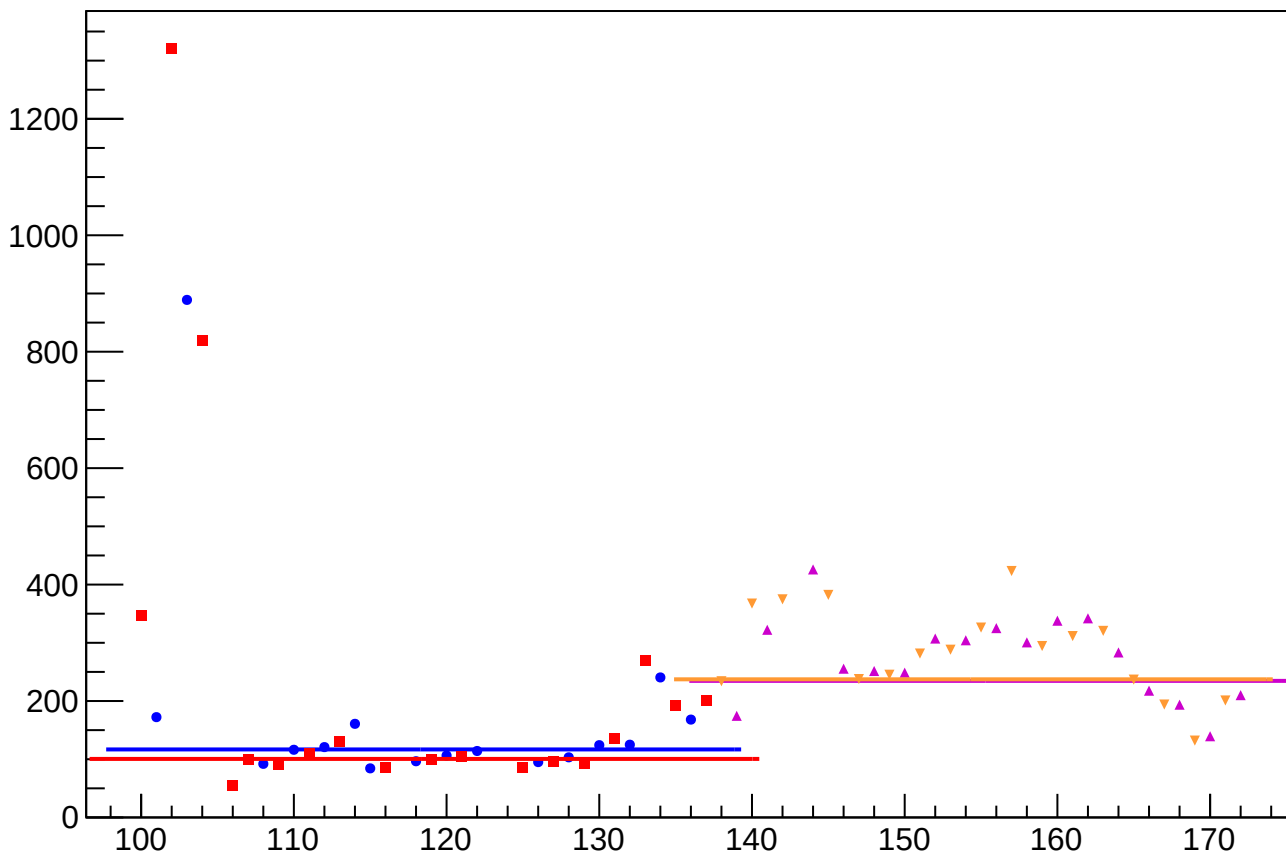
Left In: -0.078 $\pm$ 0.067 χ^2 /NDF: 23.3/16

+ sign 0.037 $\pm$ 0.039 χ^2 /NDF: 35.1/32

All: 0.007 $\pm$ 0.027 χ^2 /NDF: 86.6/67

- sign -0.019 $\pm$ 0.036 χ^2 /NDF: 50.4/34

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.841 $\pm$ 0.034 χ^2 /NDF: 1620812.6/15

Left Out: 237.268 $\pm$ 0.049 χ^2 /NDF: 2472297.1/16

Right Out: 100.543 $\pm$ 0.031 χ^2 /NDF: 2664231.9/17

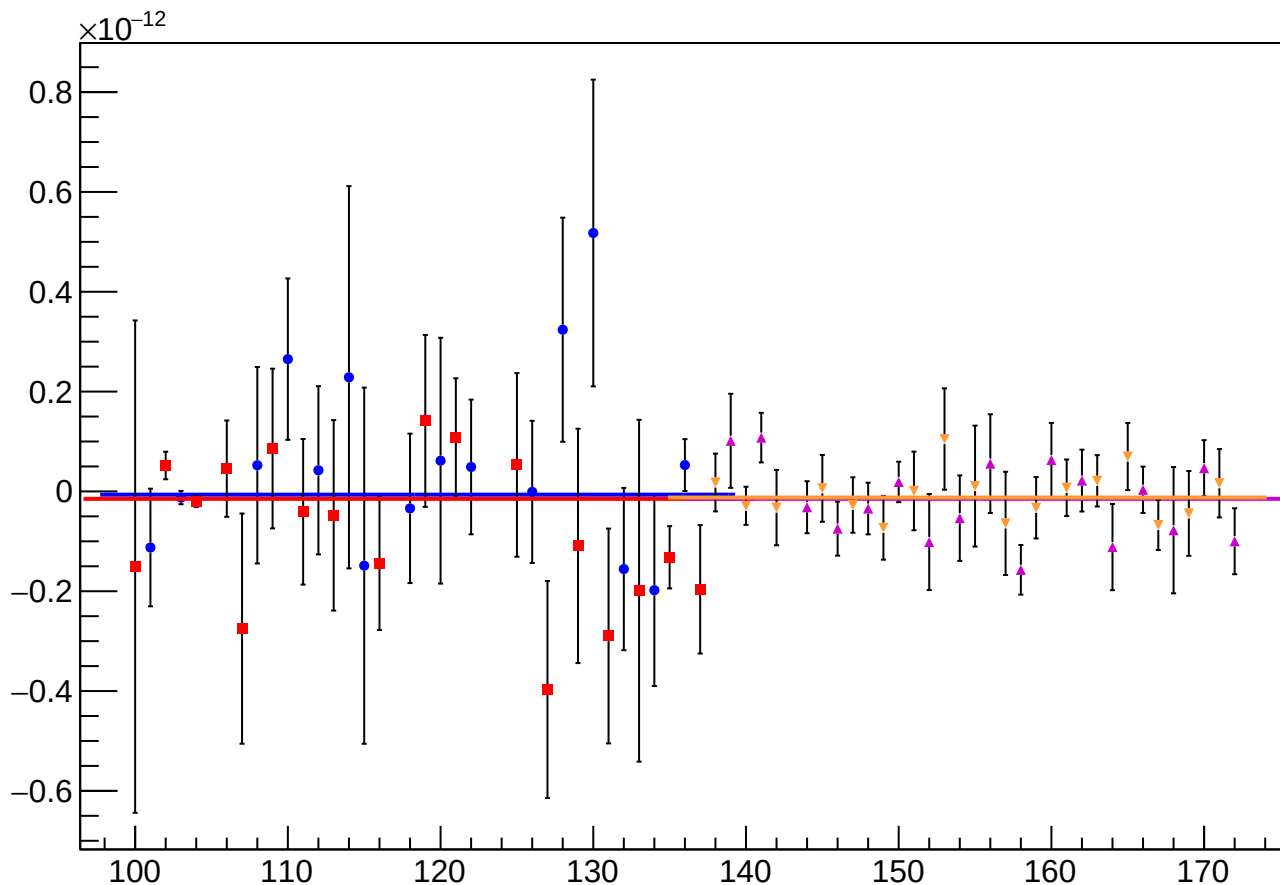
Left In: 234.596 $\pm$ 0.047 χ^2 /NDF: 2260853.2/16

+ sign 155.560 $\pm$ 0.028 χ^2 /NDF: 8232322.9/32

All: 147.500 $\pm$ 0.019 χ^2 /NDF: 19013824.4/67

- sign 140.538 $\pm$ 0.026 χ^2 /NDF: 10623098.8/34

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

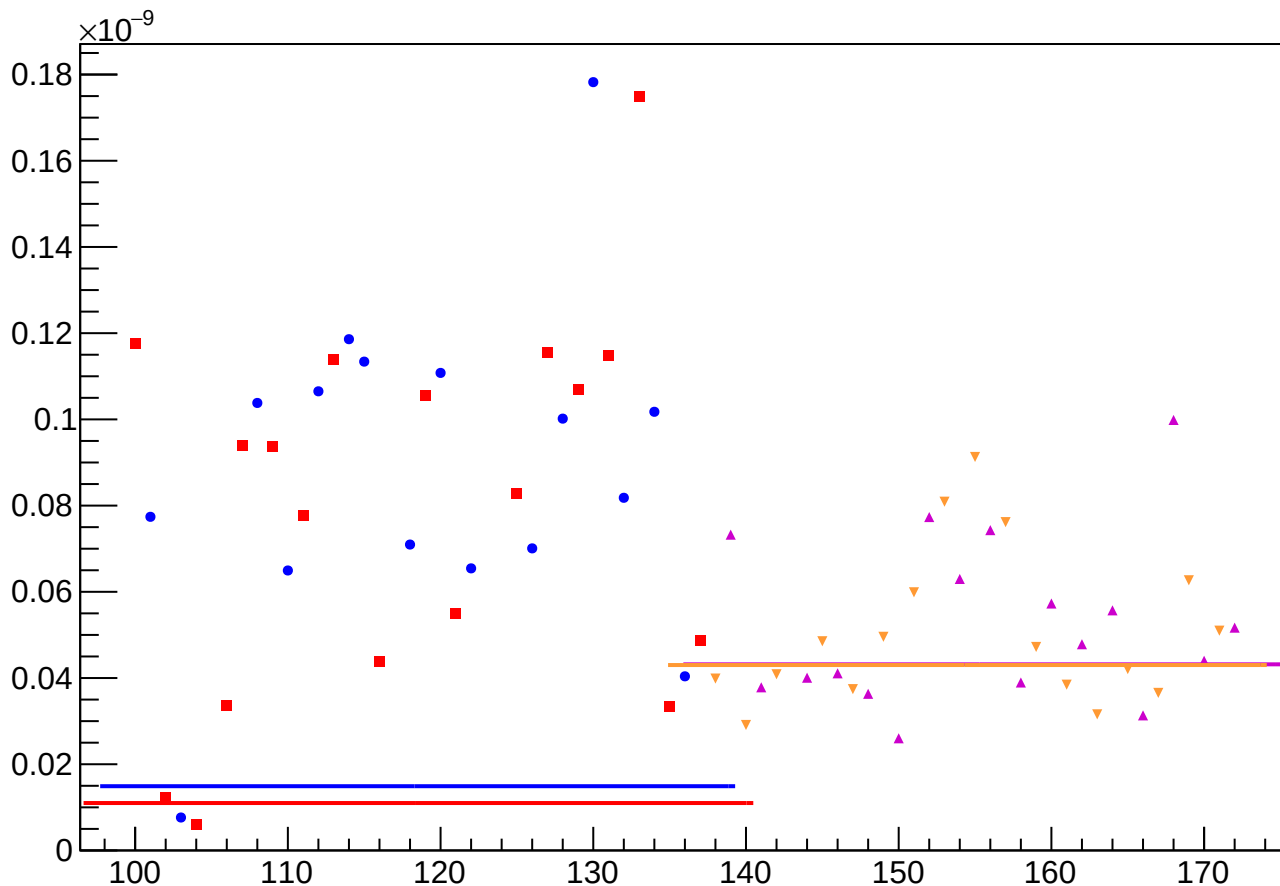
Left In: -0.000+/-0.000 χ^2 /NDF: 25.4/16

+ sign -0.000+/-0.000 χ^2 /NDF: 20.0/32

All: -0.000+/-0.000 χ^2 /NDF: 67.6/67

- sign -0.000+/-0.000 χ^2 /NDF: 47.3/34

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5893030.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1509514.4/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5866969.2/17

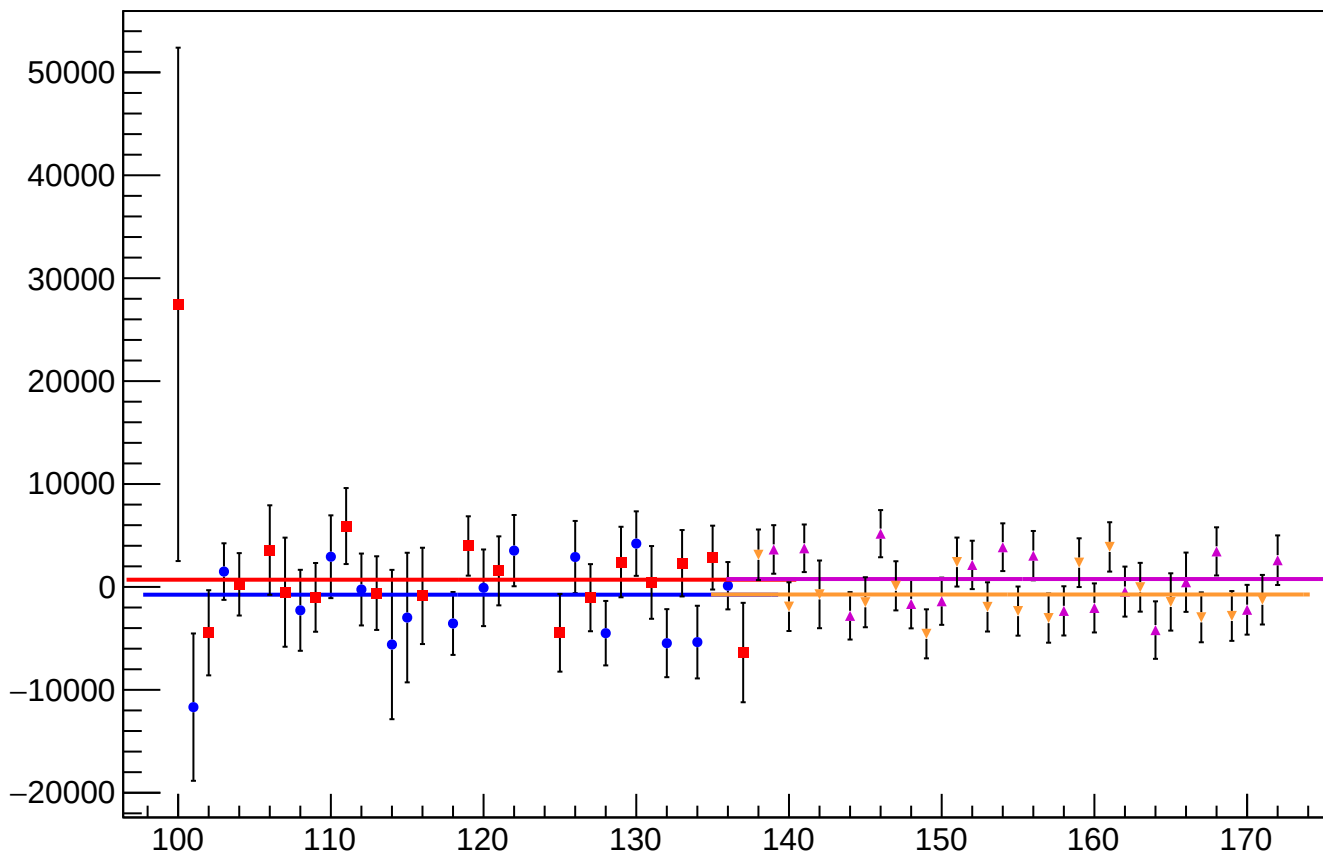
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1892539.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11471204.9/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 26146384.1/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 14342145.5/34

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

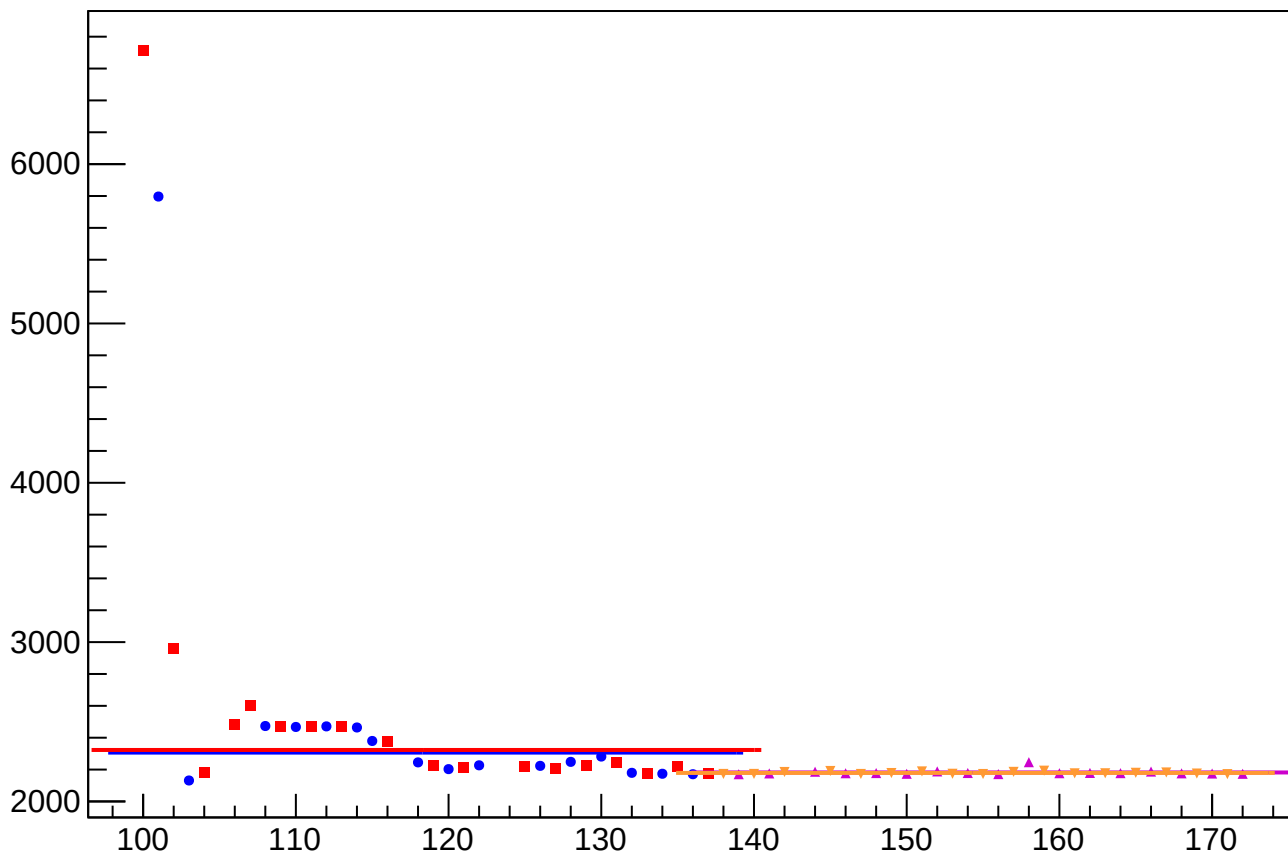
Left In: 767.889 ± 582.414 χ^2/NDF : 24.1/16

+ sign -740.617 ± 491.196 χ^2/NDF : 32.0/32

All: 14.824 ± 344.663 χ^2/NDF : 73.1/67

- sign 747.516 ± 483.744 χ^2/NDF : 36.5/34

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.3/15

Left Out: 2179.011 $\pm$ 0.420 χ^2 /NDF:274.2/16

Right Out: 2323.010 $\pm$ 0.614 χ^2 /NDF: 151787.1/17

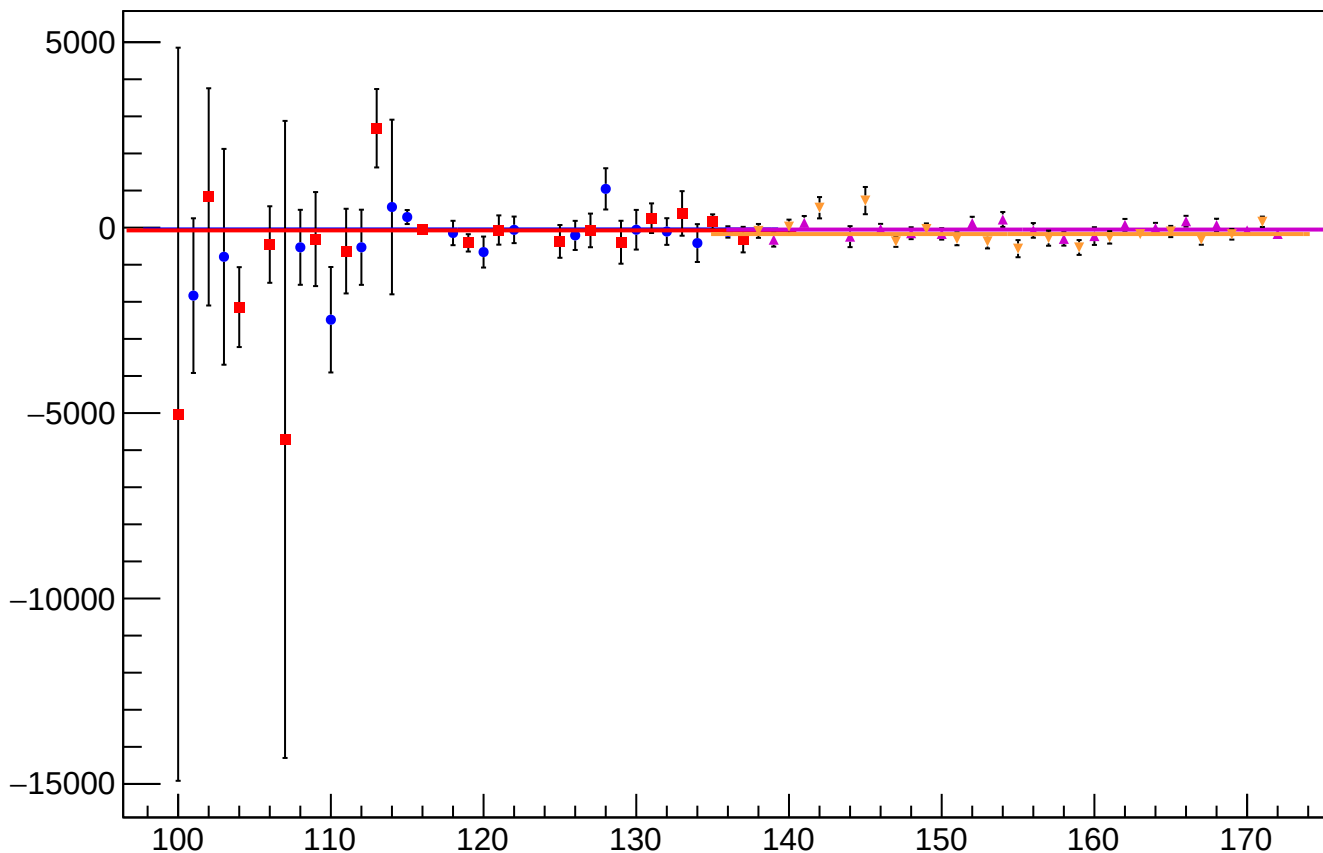
Left In: 2181.895 $\pm$ 0.412 χ^2 /NDF:1685.3/16

+ sign 2219.449 $\pm$ 0.347 χ^2 /NDF: 543652.4/32

All: 2222.602 $\pm$ 0.244 χ^2 /NDF: 733700.4/67

- sign 2225.659 $\pm$ 0.342 χ^2 /NDF: 189885.7/34

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



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

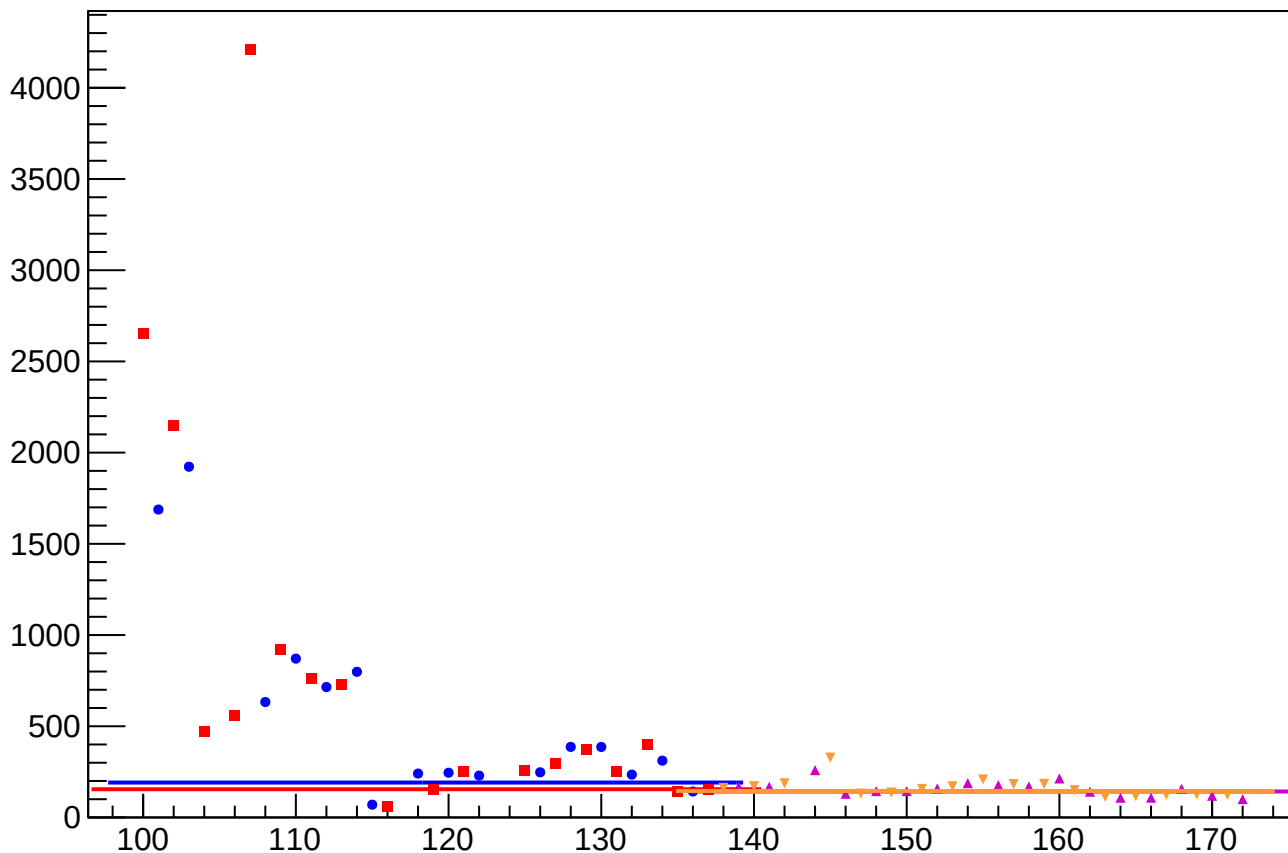
Left In: -52.110 ± 39.659 χ^2/NDF : 14.5/16

+ sign -152.333 ± 37.567 χ^2/NDF : 47.4/32

All: -101.898 ± 25.892 χ^2/NDF : 83.0/67

- sign -56.266 ± 35.734 χ^2/NDF : 32.2/34

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

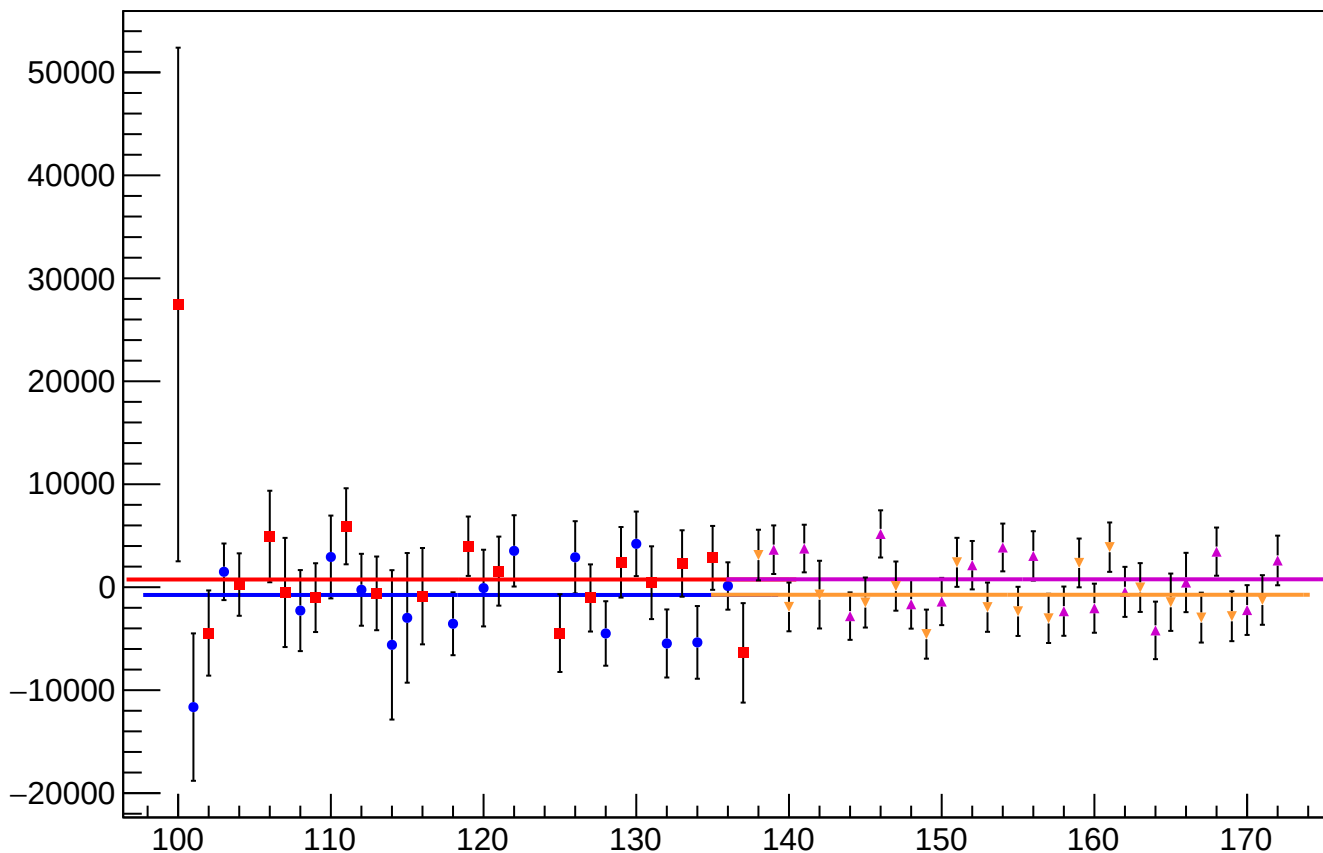
Left In: 142.292+/-0.028 χ^2/NDF :1411198.6/16

+ sign 153.143+/-0.027 χ^2/NDF : 6765361.9/32

All: 148.670+/-0.018 χ^2/NDF : 14421553.9/67

- sign 144.622+/-0.025 χ^2/NDF : 7602176.7/34

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

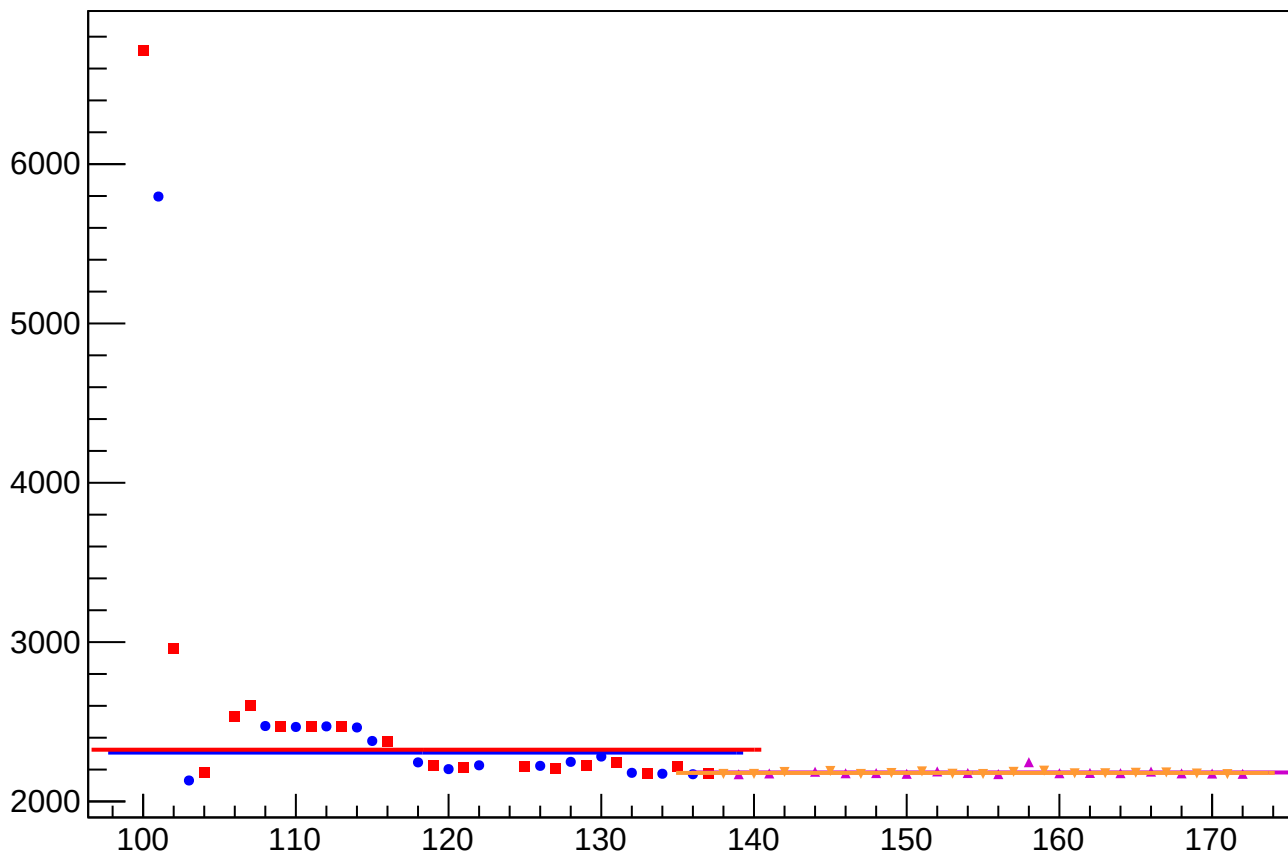
Left In: 767.859 ± 582.414 χ^2/NDF : 24.1/16

+ sign -740.280 ± 491.196 χ^2/NDF : 32.0/32

All: 22.209 ± 344.708 χ^2/NDF : 73.6/67

- sign 762.115 ± 483.868 χ^2/NDF : 36.9/34

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2306.643 $\pm$ 0.617 χ^2 /NDF: 514150.6/15

Left Out: 2179.011 $\pm$ 0.420 χ^2 /NDF: 274.2/16

Right Out: 2324.685 $\pm$ 0.615 χ^2 /NDF: 153578.5/17

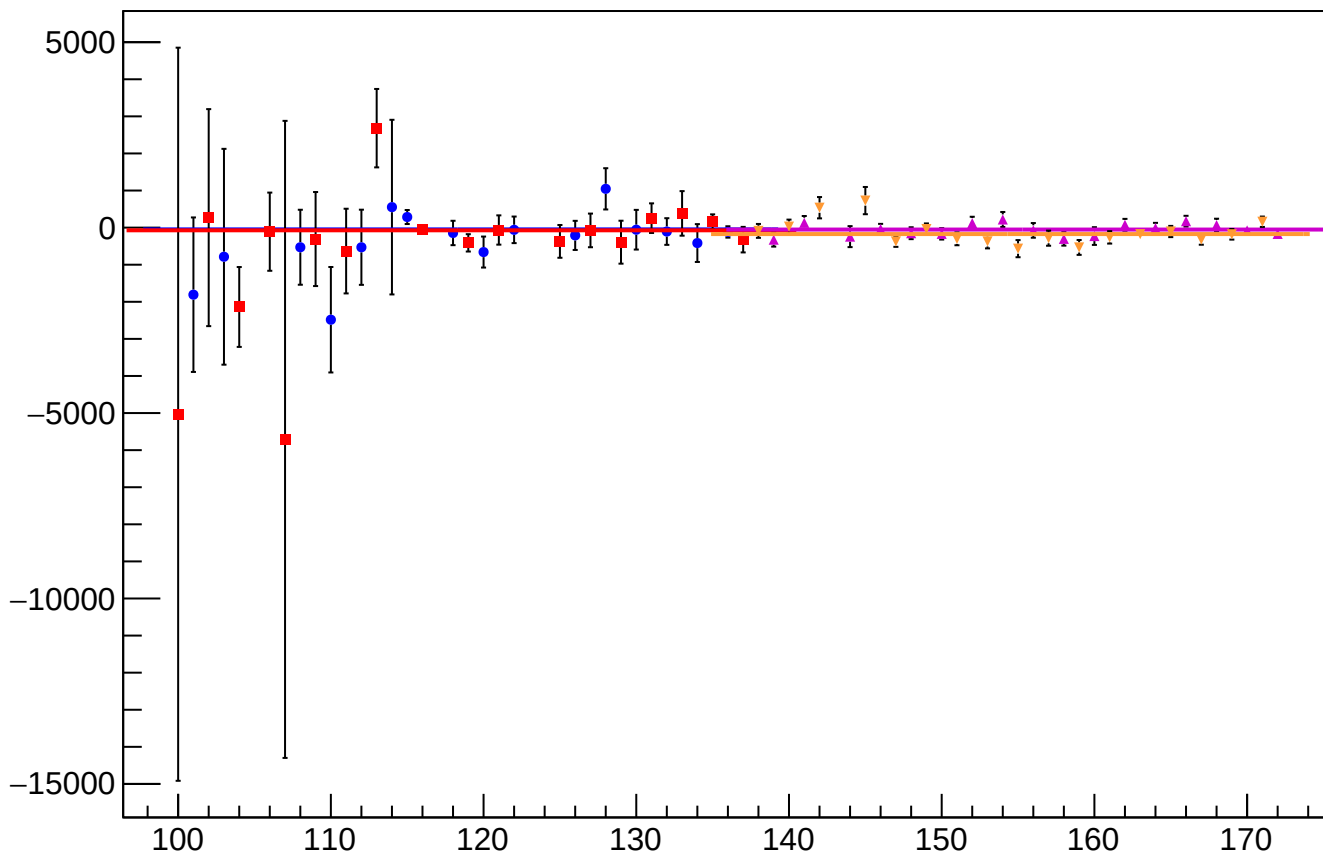
Left In: 2181.895 $\pm$ 0.412 χ^2 /NDF: 1685.3/16

+ sign 2219.449 $\pm$ 0.347 χ^2 /NDF: 543652.7/32

All: 2222.839 $\pm$ 0.244 χ^2 /NDF: 736344.1/67

- sign 2226.128 $\pm$ 0.342 χ^2 /NDF: 192503.7/34

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



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

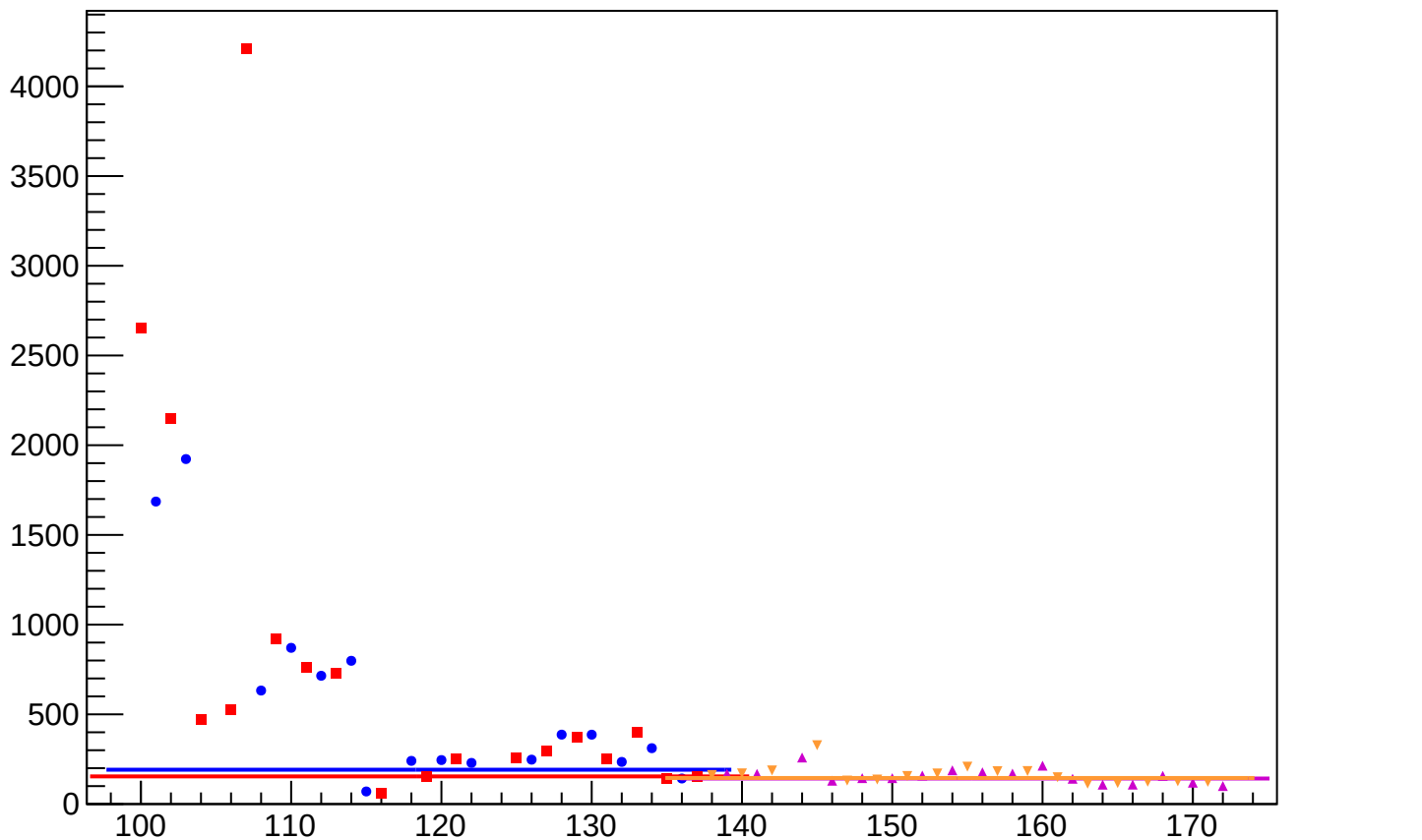
Left In: -52.042 ± 39.661 χ^2/NDF : 14.5/16

+ sign -152.343 ± 37.568 χ^2/NDF : 47.4/32

All: -101.673 ± 25.891 χ^2/NDF : 82.8/67

- sign -55.839 ± 35.731 χ^2/NDF : 31.9/34

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 191.405+/-0.064 χ^2/NDF : 5063603.7/15

Left Out: 145.272+/-0.029 χ^2/NDF : 1274145.6/16

Right Out: 154.121+/-0.058 χ^2/NDF : 6108665.0/17

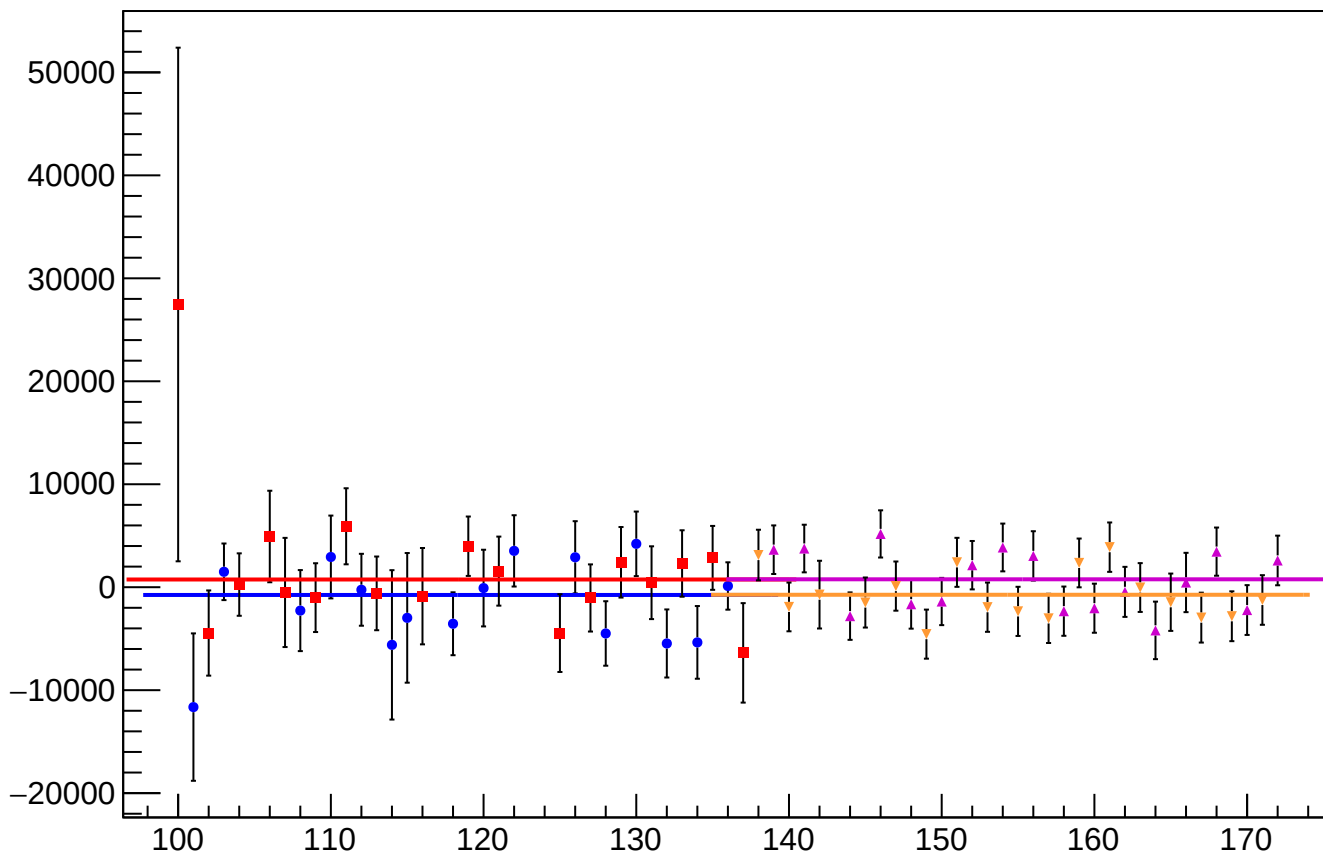
Left In: 142.298+/-0.028 χ^2/NDF : 1411753.9/16

+ sign 153.148+/-0.027 χ^2/NDF : 6764753.4/32

All: 148.621+/-0.018 χ^2/NDF : 14373977.1/67

- sign 144.525+/-0.025 χ^2/NDF : 7553900.2/34

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

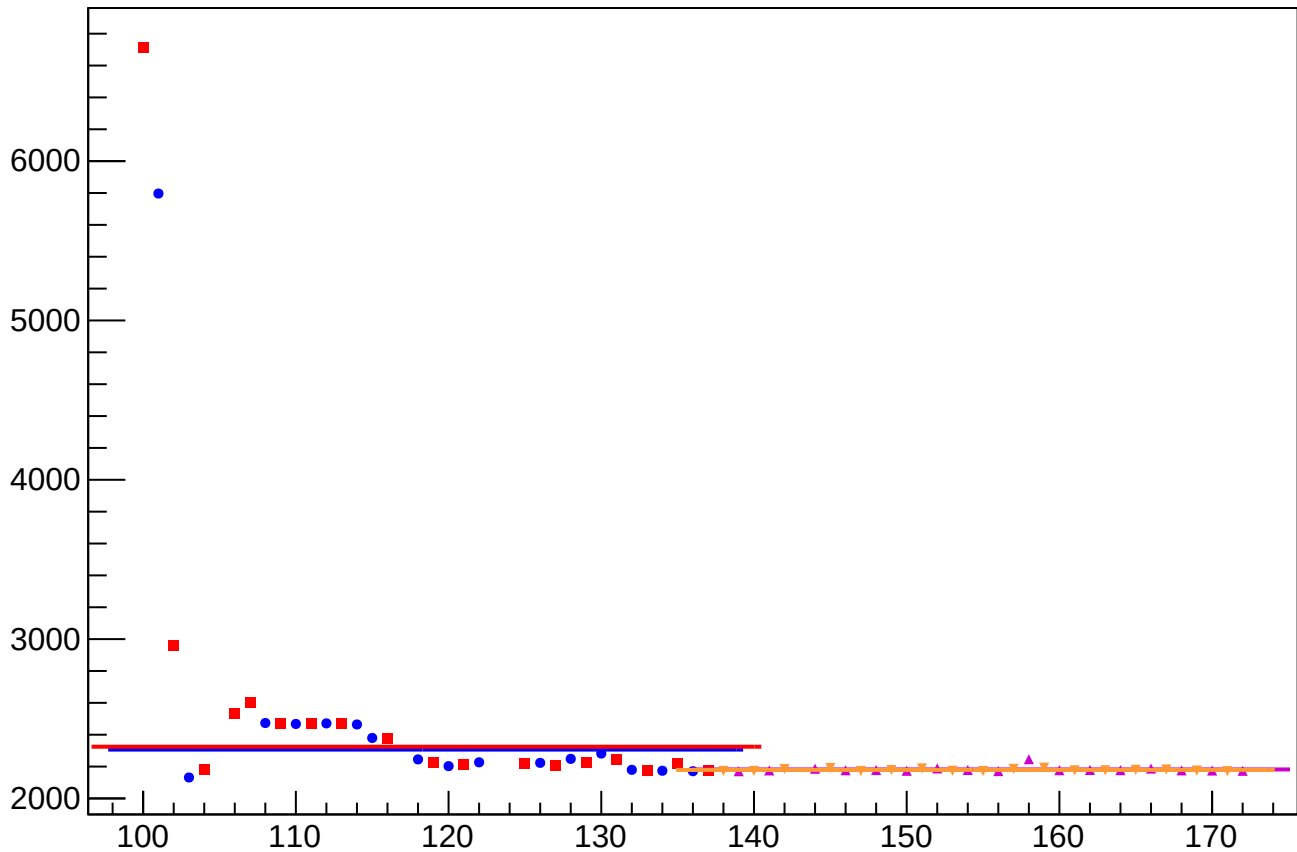
Left In: 767.859 ± 582.414 χ^2/NDF : 24.1/16

+ sign -740.280 ± 491.196 χ^2/NDF : 32.0/32

All: 22.209 ± 344.708 χ^2/NDF : 73.6/67

- sign 762.115 ± 483.868 χ^2/NDF : 36.9/34

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

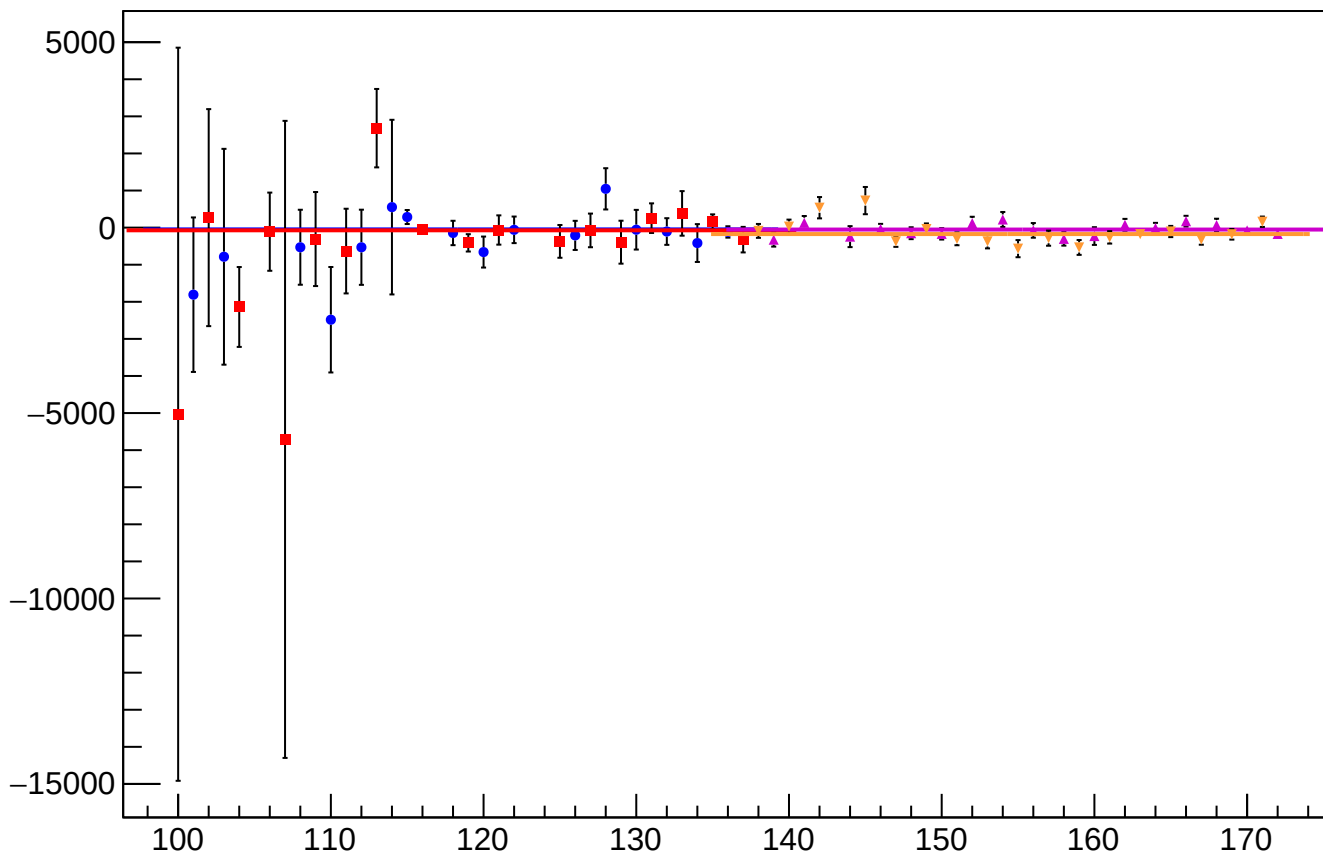
Left In: 2181.895+/-0.412 χ^2/NDF :1685.3/16

+ sign 2219.449+/-0.347 χ^2/NDF : 543652.7/32

All: 2222.839+/-0.244 χ^2/NDF : 736344.1/67

- sign 2226.128+/-0.342 χ^2/NDF : 192503.7/34

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



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

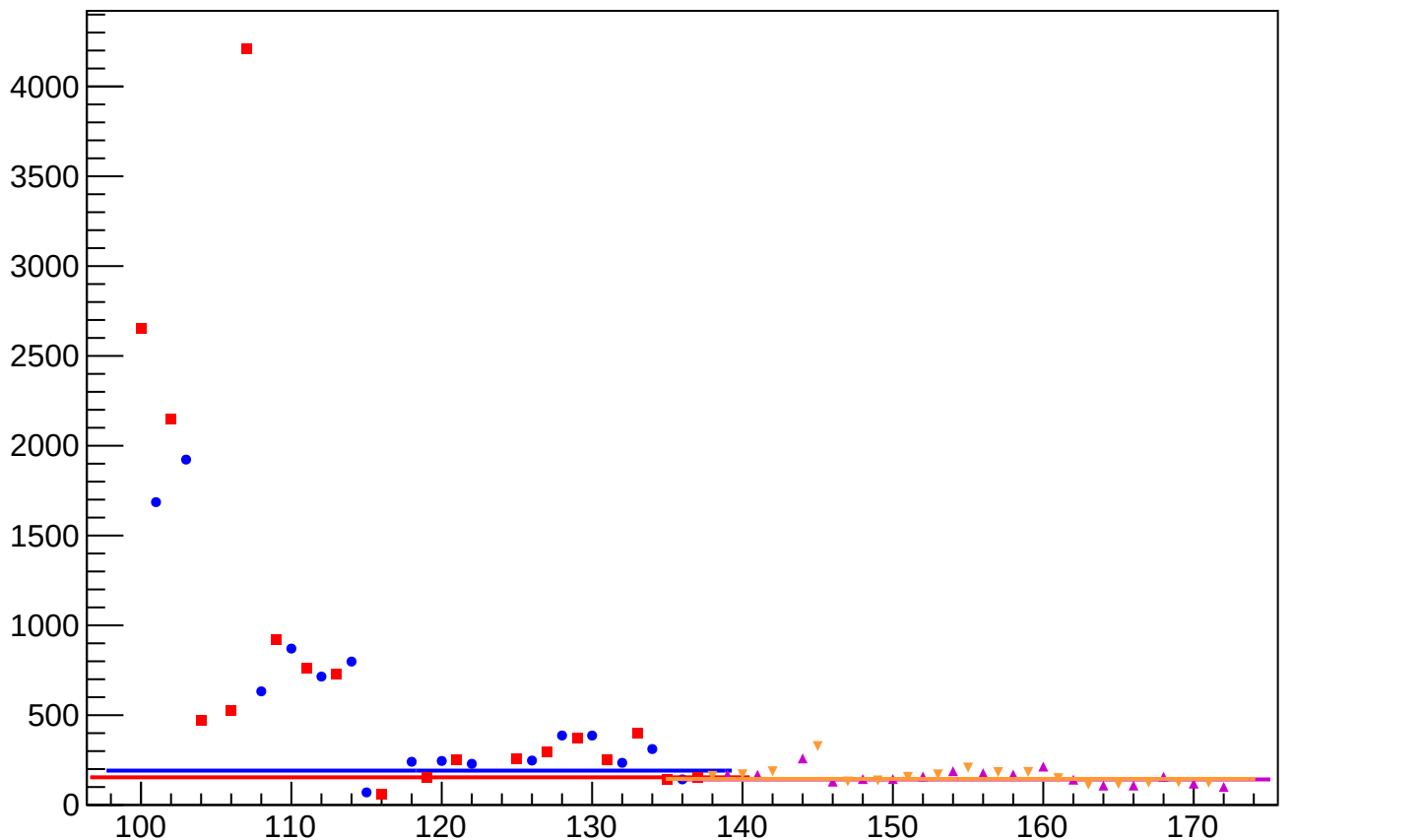
Left In: -52.042 ± 39.661 χ^2/NDF : 14.5/16

+ sign -152.343 ± 37.568 χ^2/NDF : 47.4/32

All: -101.673 ± 25.891 χ^2/NDF : 82.8/67

- sign -55.839 ± 35.731 χ^2/NDF : 31.9/34

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 191.405 $\pm$ 0.064 χ^2 /NDF: 5063603.7/15

Left Out: 145.272 $\pm$ 0.029 χ^2 /NDF: 1274145.6/16

Right Out: 154.121 $\pm$ 0.058 χ^2 /NDF: 6108665.0/17

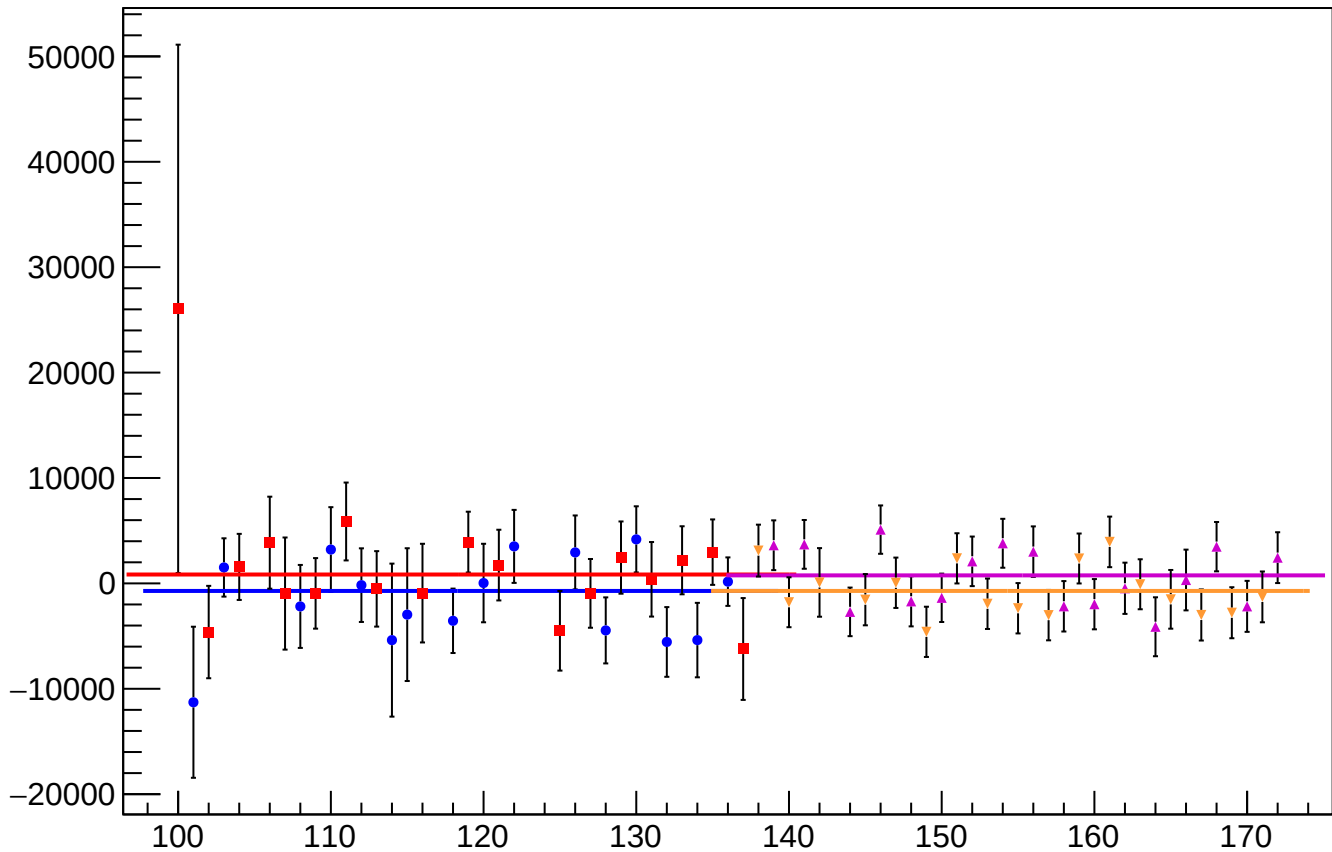
Left In: 142.298 $\pm$ 0.028 χ^2 /NDF: 1411753.9/16

+ sign 153.148 $\pm$ 0.027 χ^2 /NDF: 6764753.4/32

All: 148.621 $\pm$ 0.018 χ^2 /NDF: 14373977.1/67

- sign 144.525 $\pm$ 0.025 χ^2 /NDF: 7553900.2/34

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.136 $\pm$ 873.539 χ^2 /NDF: 15.8/15

Left Out: -715.882 $\pm$ 594.271 χ^2 /NDF: 16.2/16

Right Out: 842.157 $\pm$ 873.586 χ^2 /NDF: 12.2/17

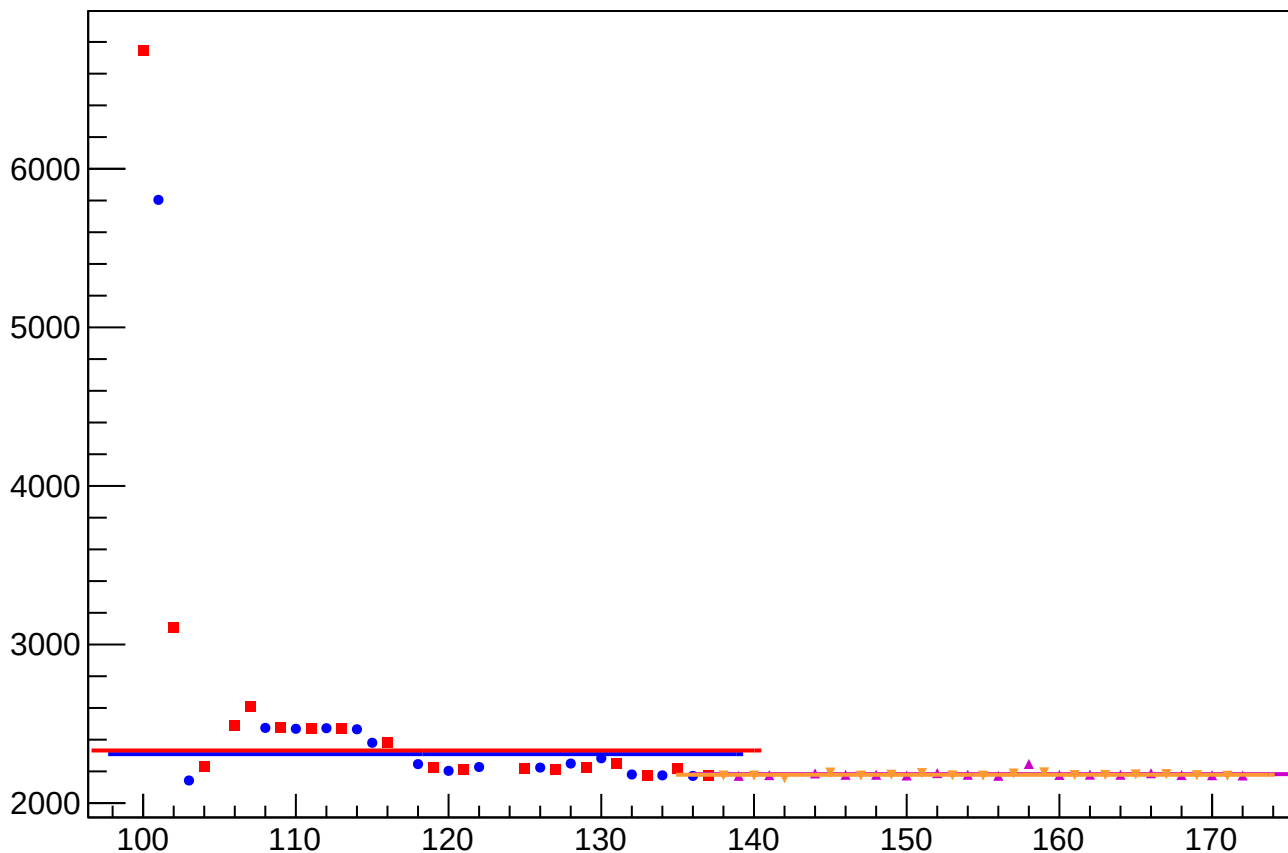
Left In: 760.154 $\pm$ 582.621 χ^2 /NDF: 23.2/16

+ sign -716.279 $\pm$ 491.349 χ^2 /NDF: 32.0/32

All: 44.773 $\pm$ 345.065 χ^2 /NDF: 72.2/67

- sign 785.399 $\pm$ 484.711 χ^2 /NDF: 35.4/34

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739 $\pm$ 0.618 χ^2 /NDF: 513742.2/15

Left Out: 2178.784 $\pm$ 0.420 χ^2 /NDF:368.9/16

Right Out: 2331.849 $\pm$ 0.618 χ^2 /NDF: 167321.7/17

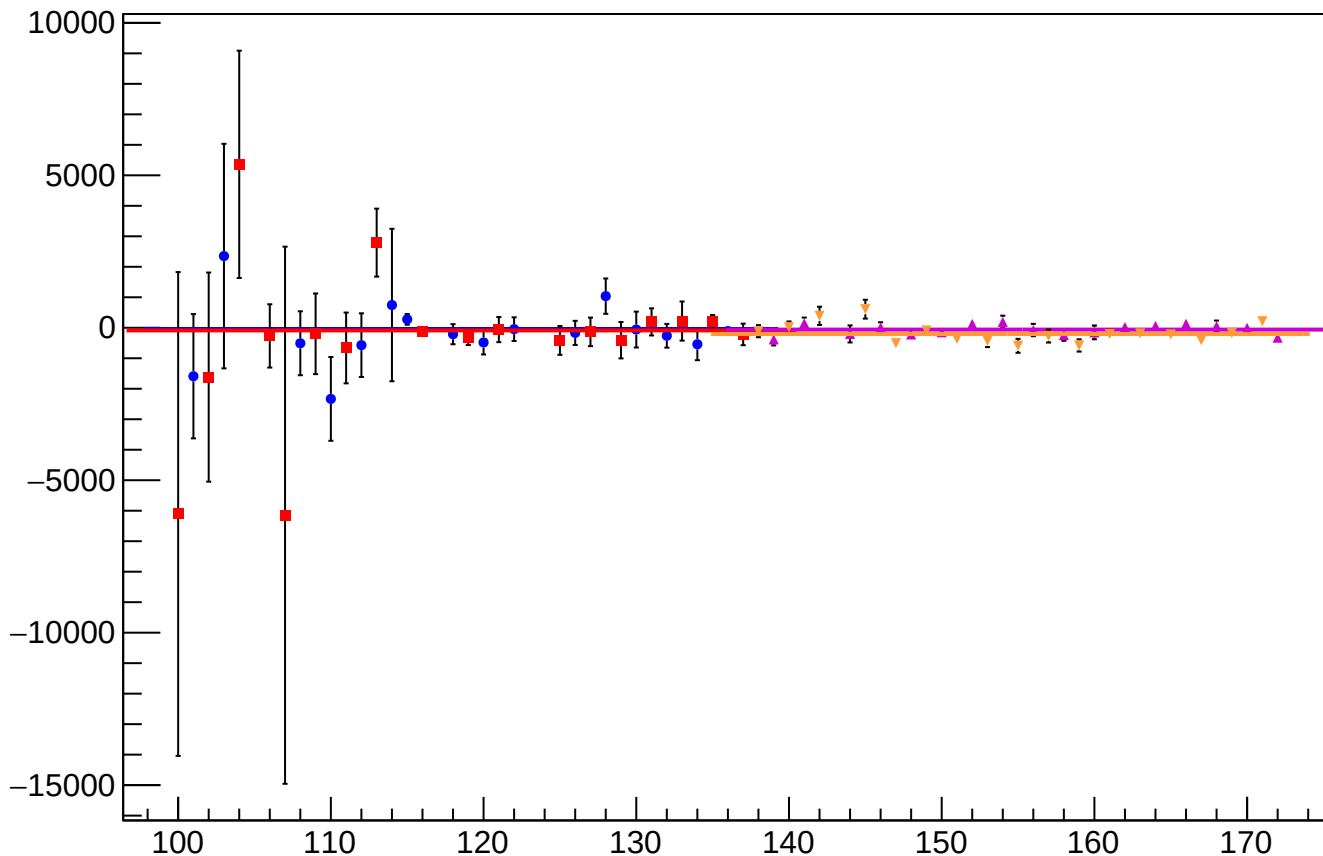
Left In: 2182.668 $\pm$ 0.412 χ^2 /NDF:1678.6/16

+ sign 2219.900 $\pm$ 0.347 χ^2 /NDF: 544370.6/32

All: 2224.307 $\pm$ 0.244 χ^2 /NDF: 754056.9/67

- sign 2228.595 $\pm$ 0.343 χ^2 /NDF: 209368.8/34

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



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

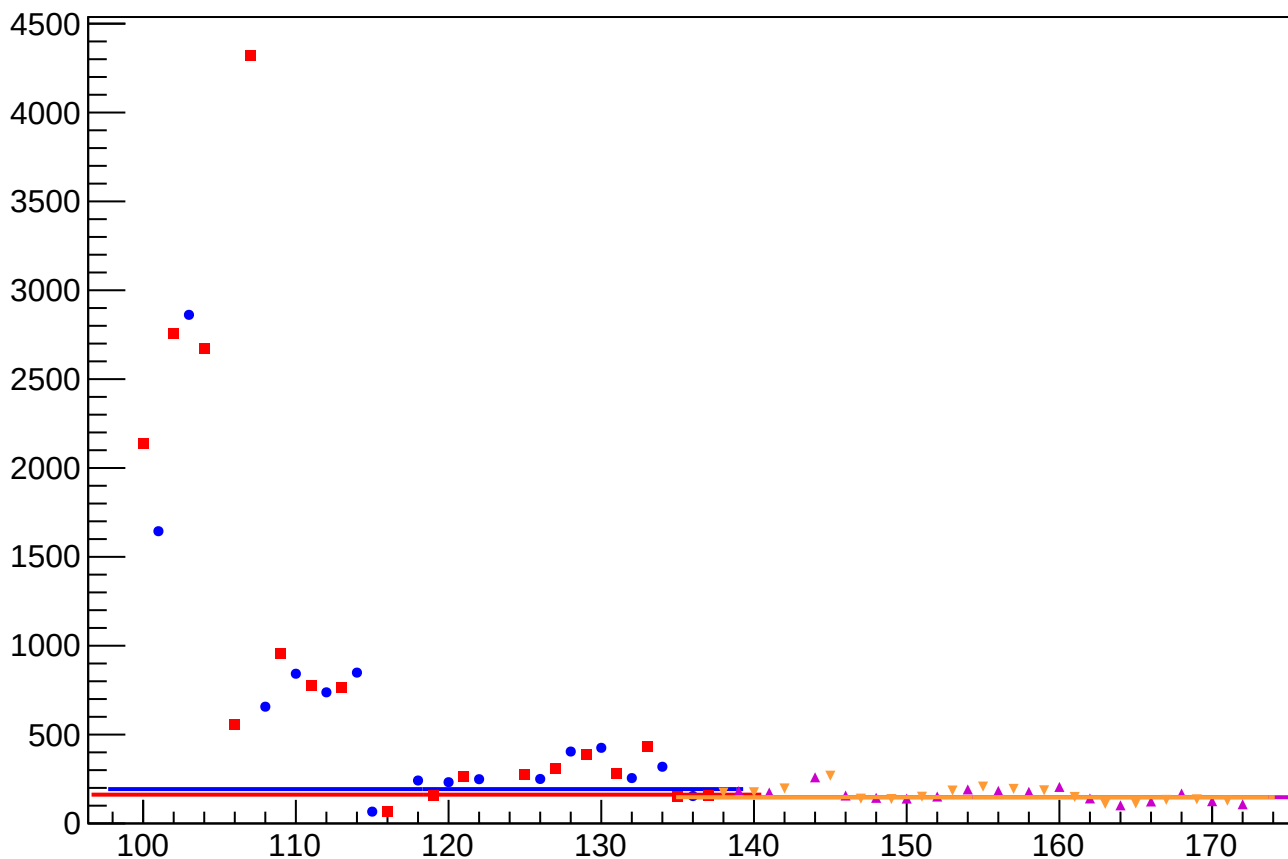
Left In: -59.988 ± 40.544 χ^2/NDF : 17.4/16

+ sign -177.573 ± 37.882 χ^2/NDF : 52.8/32

All: -119.357 ± 26.351 χ^2/NDF : 89.8/67

- sign -64.779 ± 36.679 χ^2/NDF : 32.4/34

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



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

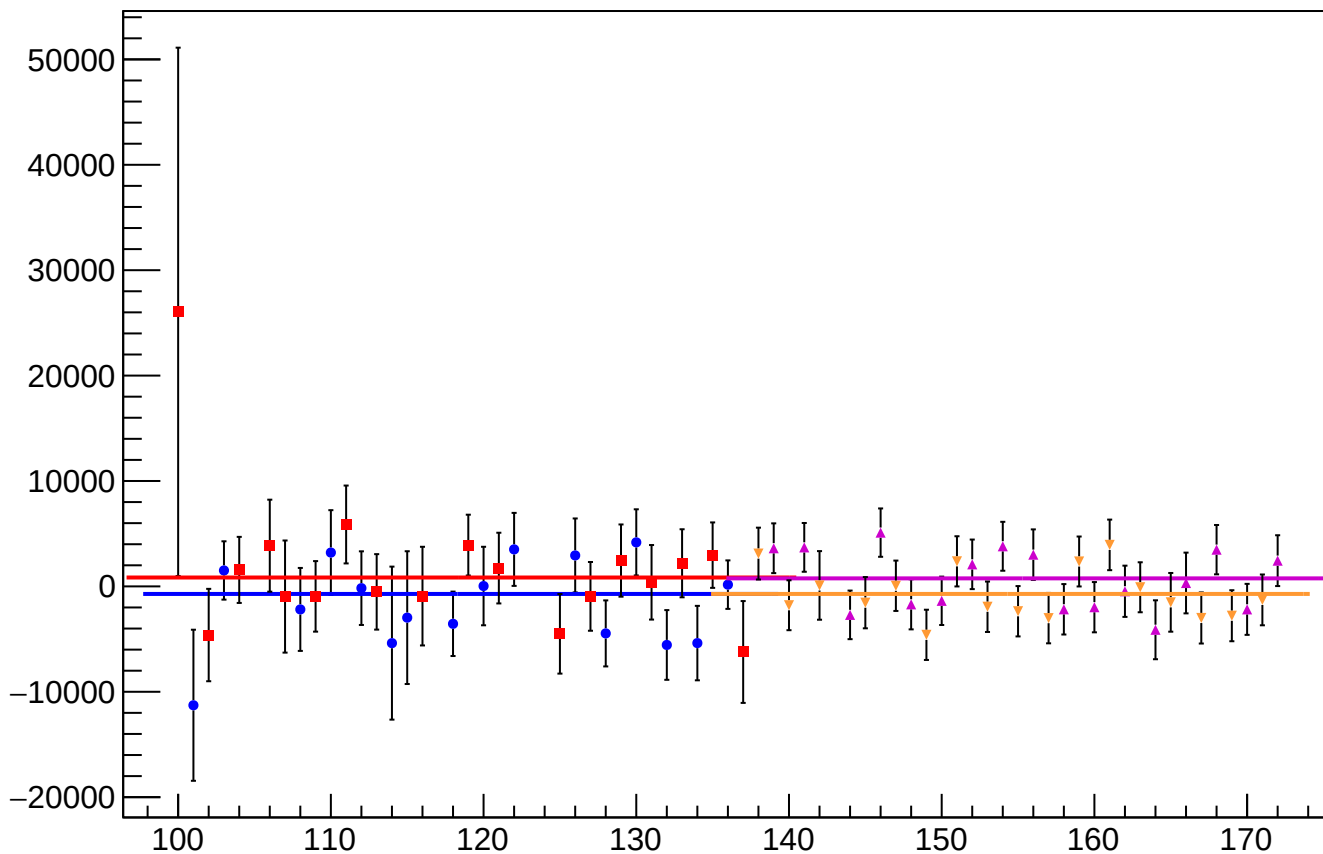
Left In: 147.566+/-0.029 χ^2/NDF : 1351100.1/16

+ sign 155.448+/-0.027 χ^2/NDF : 7234271.4/32

All: 152.743+/-0.019 χ^2/NDF : 15722362.9/67

- sign 150.207+/-0.026 χ^2/NDF : 8468335.6/34

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -717.137 $\pm$ 873.539 χ^2 /NDF: 15.8/15

Left Out: -715.884 $\pm$ 594.271 χ^2 /NDF: 16.2/16

Right Out: 842.159 $\pm$ 873.586 χ^2 /NDF: 12.2/17

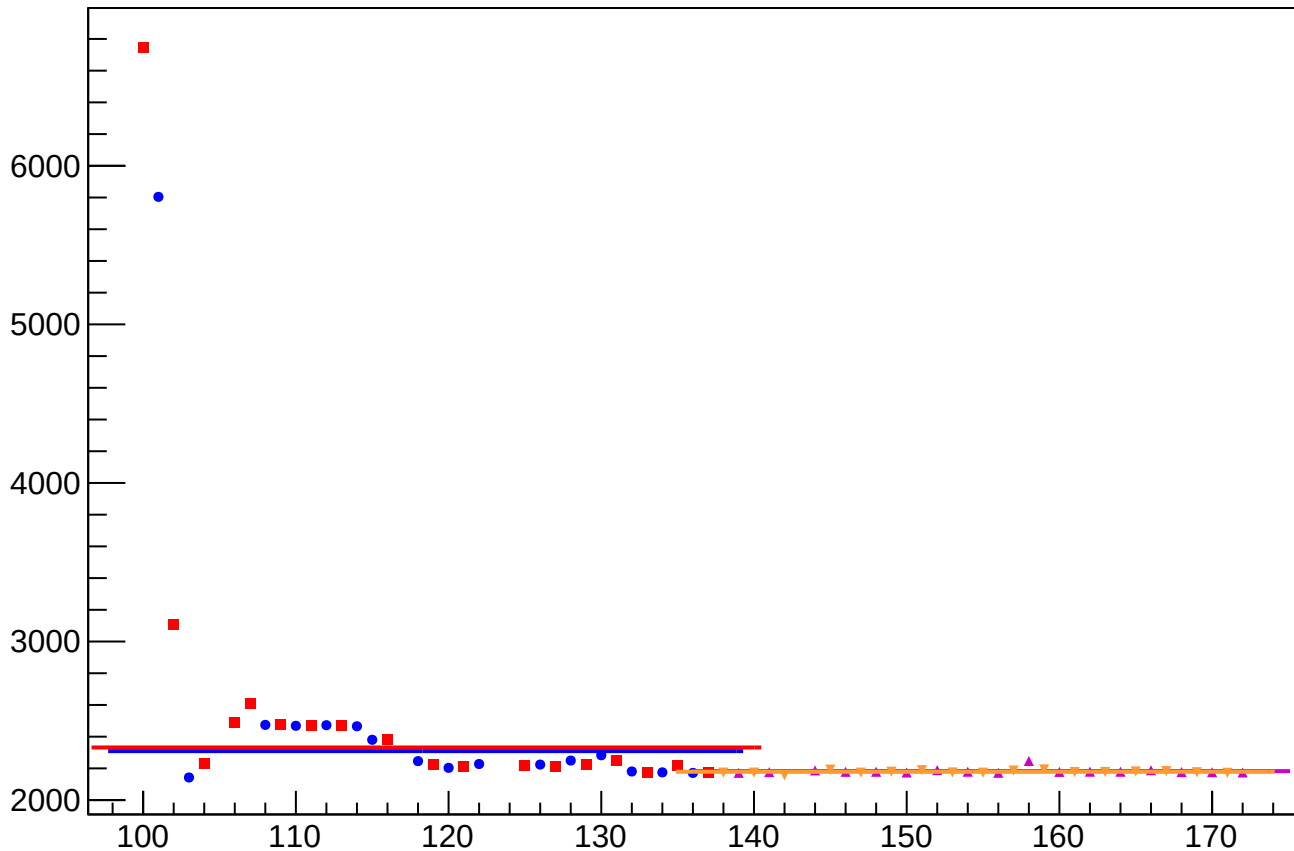
Left In: 760.152 $\pm$ 582.621 χ^2 /NDF: 23.2/16

+ sign -716.280 $\pm$ 491.349 χ^2 /NDF: 32.0/32

All: 44.772 $\pm$ 345.065 χ^2 /NDF: 72.2/67

- sign 785.399 $\pm$ 484.711 χ^2 /NDF: 35.4/34

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2308.739 $\pm$ 0.618 χ^2 /NDF: 513742.2/15

Left Out: 2178.784 $\pm$ 0.420 χ^2 /NDF:368.9/16

+ sign 2219.900 $\pm$ 0.347 χ^2 /NDF: 544370.7/32

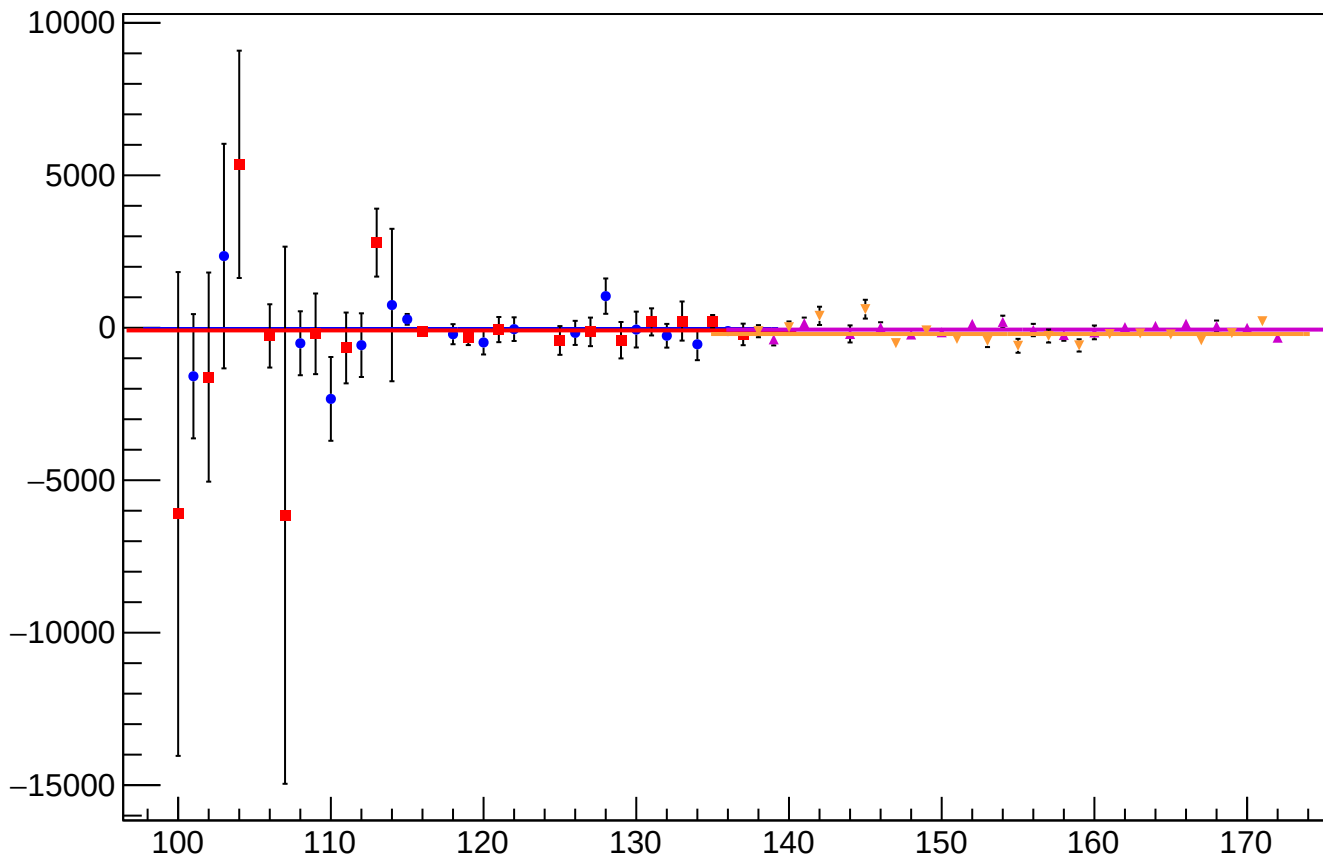
Right Out: 2331.849 $\pm$ 0.618 χ^2 /NDF: 167321.6/17

All: 2224.307 $\pm$ 0.244 χ^2 /NDF: 754056.7/67

- sign 2228.595 $\pm$ 0.343 χ^2 /NDF: 209368.7/34

Left In: 2182.668 $\pm$ 0.412 χ^2 /NDF:1678.6/16

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



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

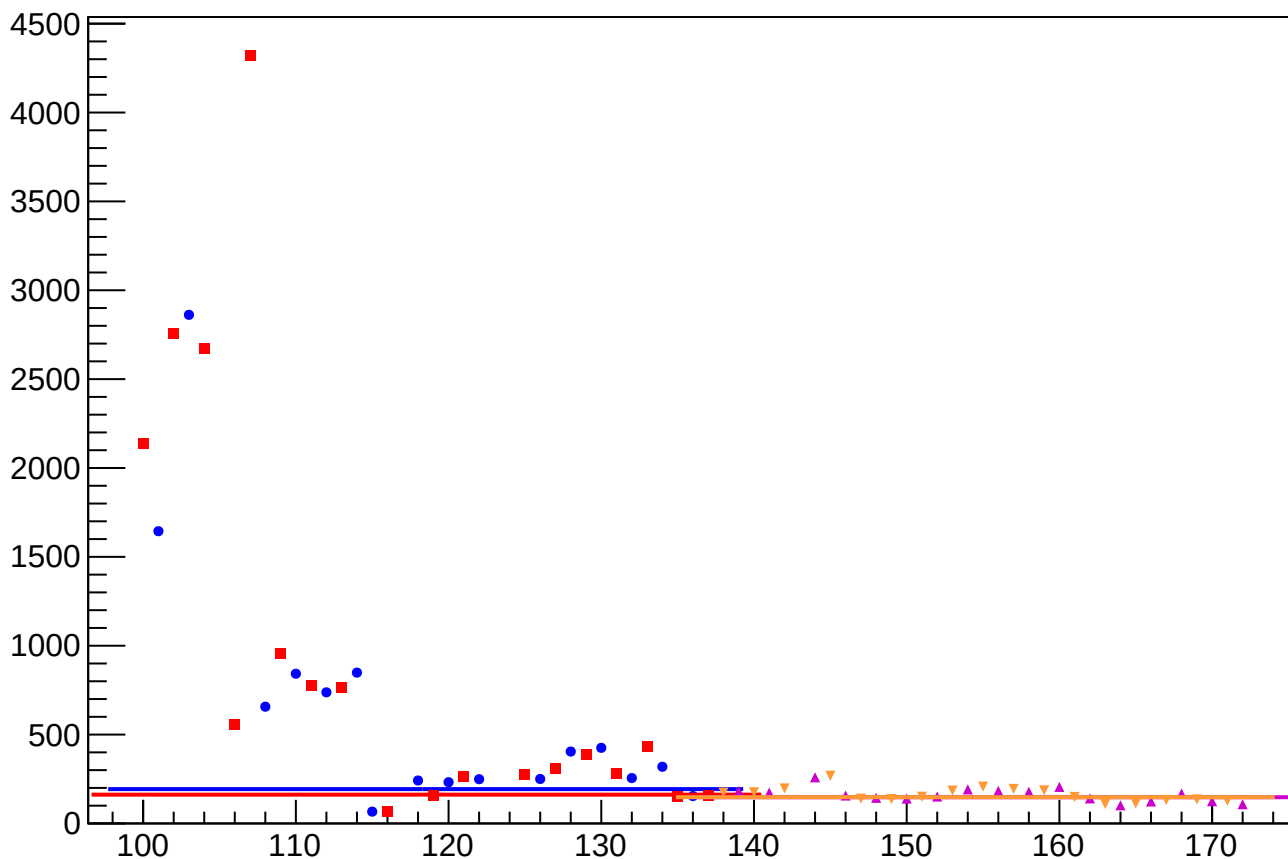
Left In: -59.987 ± 40.544 χ^2/NDF : 17.4/16

+ sign -177.572 ± 37.882 χ^2/NDF : 52.8/32

All: -119.356 ± 26.351 χ^2/NDF : 89.8/67

- sign -64.778 ± 36.679 χ^2/NDF : 32.4/34

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



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

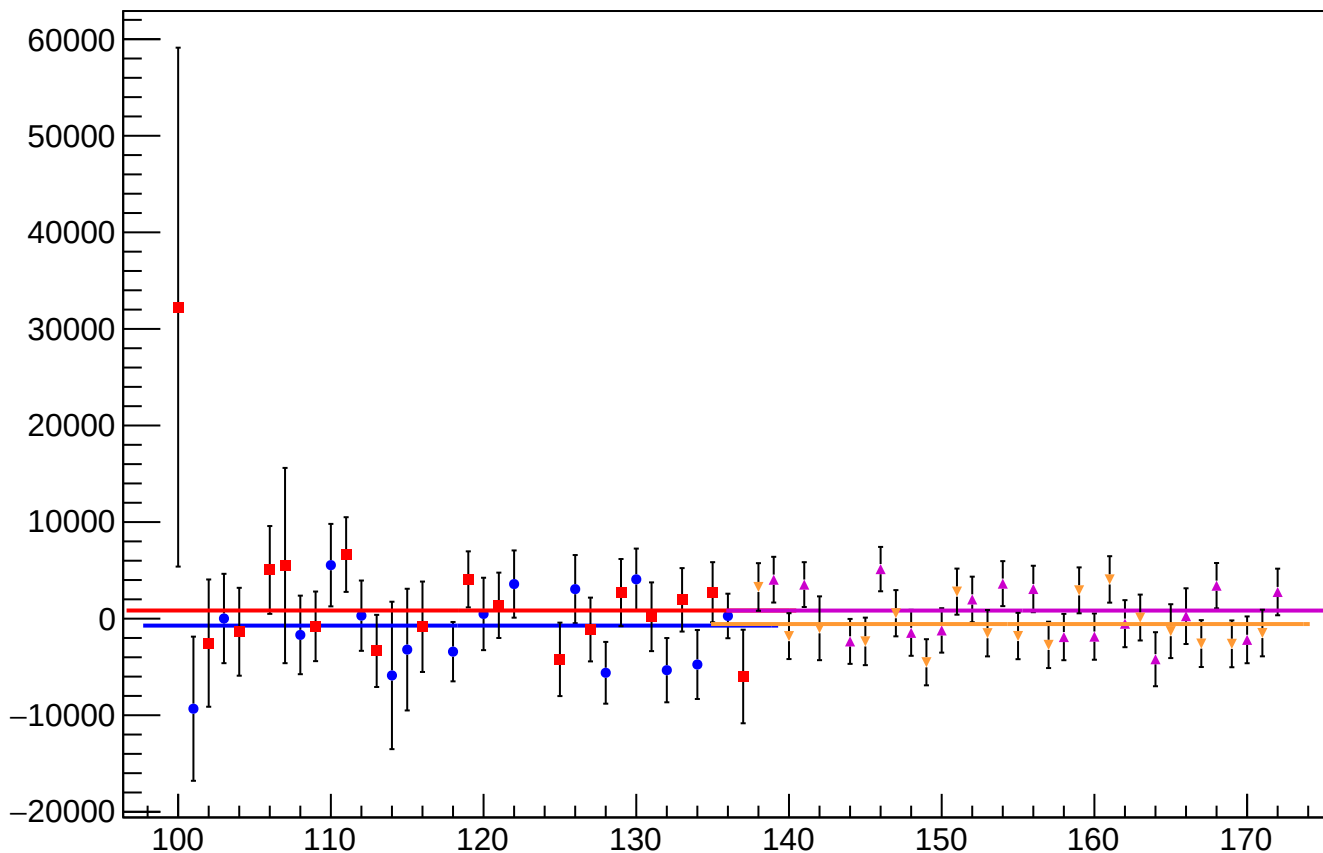
Left In: 147.566+/-0.029 χ^2/NDF : 1351126.1/16

+ sign 155.447+/-0.027 χ^2/NDF : 7234308.4/32

All: 152.743+/-0.019 χ^2/NDF : 15722466.9/67

- sign 150.207+/-0.026 χ^2/NDF : 8468404.4/34

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

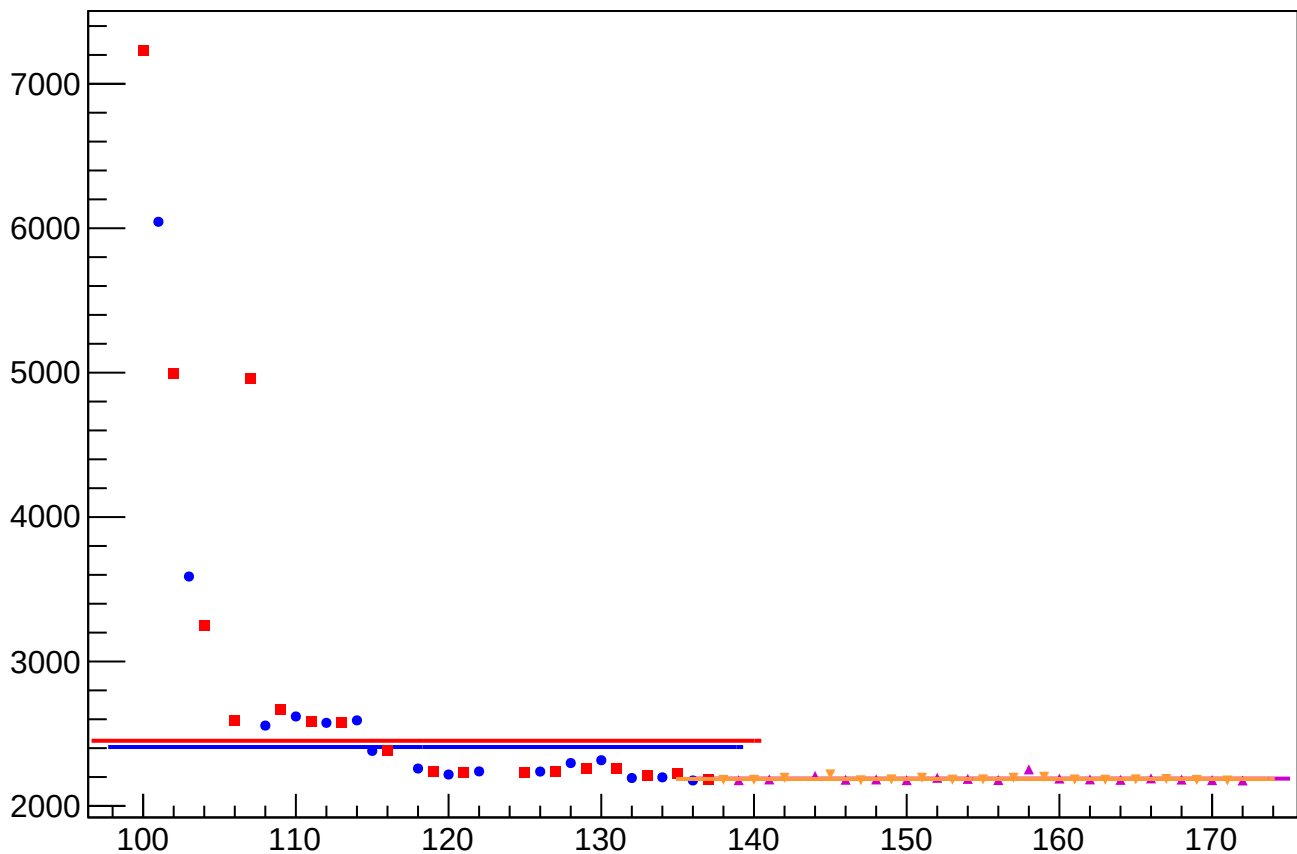
Left In: 838.028+/-584.339 χ^2/NDF : 22.4/16

+ sign -606.869+/-499.799 χ^2/NDF : 32.8/32

All: 124.131+/-351.553 χ^2/NDF : 72.3/67

- sign 839.952+/-494.583 χ^2/NDF : 35.3/34

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2407.795 $\pm$ 0.648 χ^2 /NDF: 676891.3/15

Left Out: 2186.546 $\pm$ 0.422 χ^2 /NDF: 618.1/16

Right Out: 2451.189 $\pm$ 0.657 χ^2 /NDF: 633600.1/17

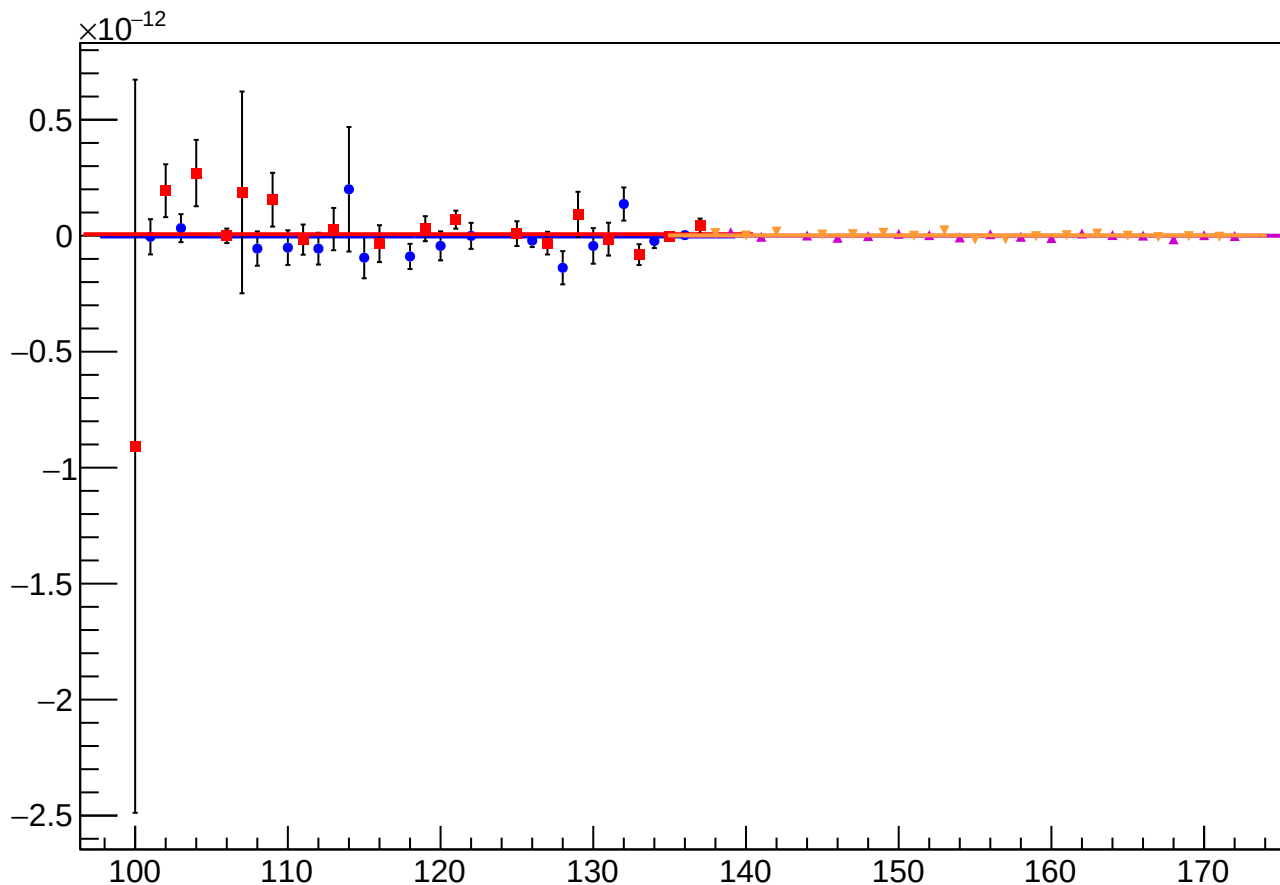
Left In: 2189.098 $\pm$ 0.413 χ^2 /NDF: 1854.8/16

+ sign 2252.382 $\pm$ 0.353 χ^2 /NDF: 759429.3/32

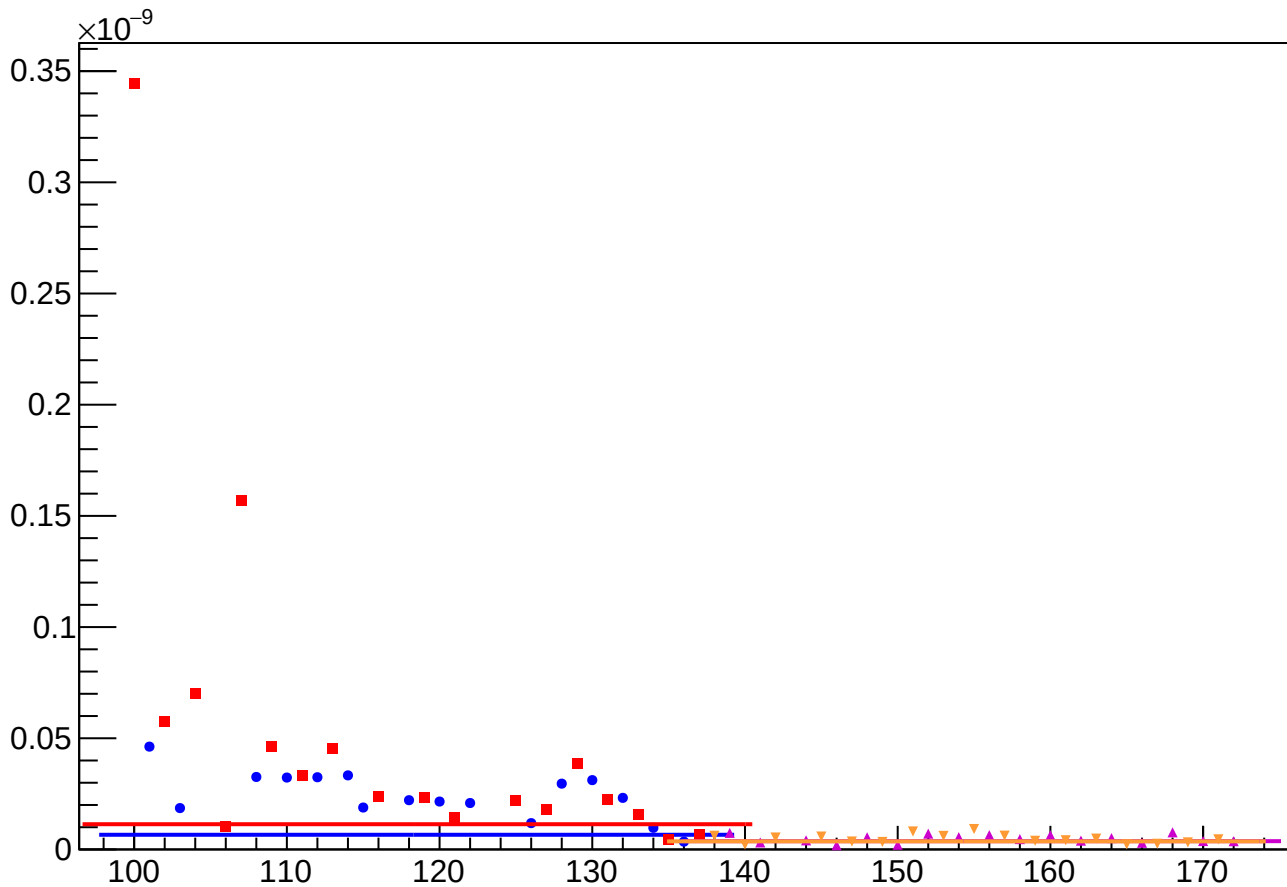
All: 2257.964 $\pm$ 0.249 χ^2 /NDF: 1509489.7/67

- sign 2263.431 $\pm$ 0.350 χ^2 /NDF: 749566.6/34

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2856979.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1438619.3/16

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2697712.1/17

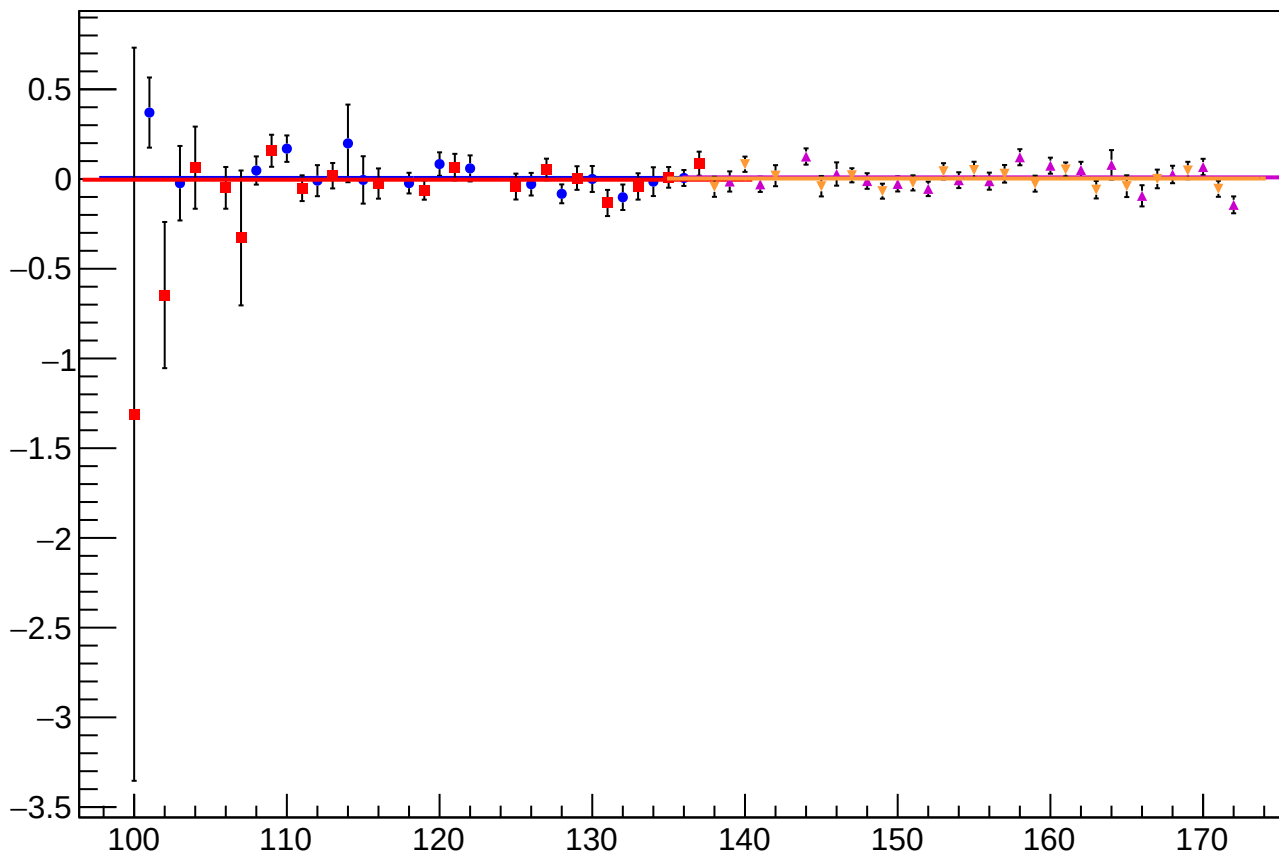
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1355703.1/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4700286.0/32

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9931293.5/67

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5225875.2/34

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.003 $\pm$ 0.011 χ^2 /NDF:17.0/16

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

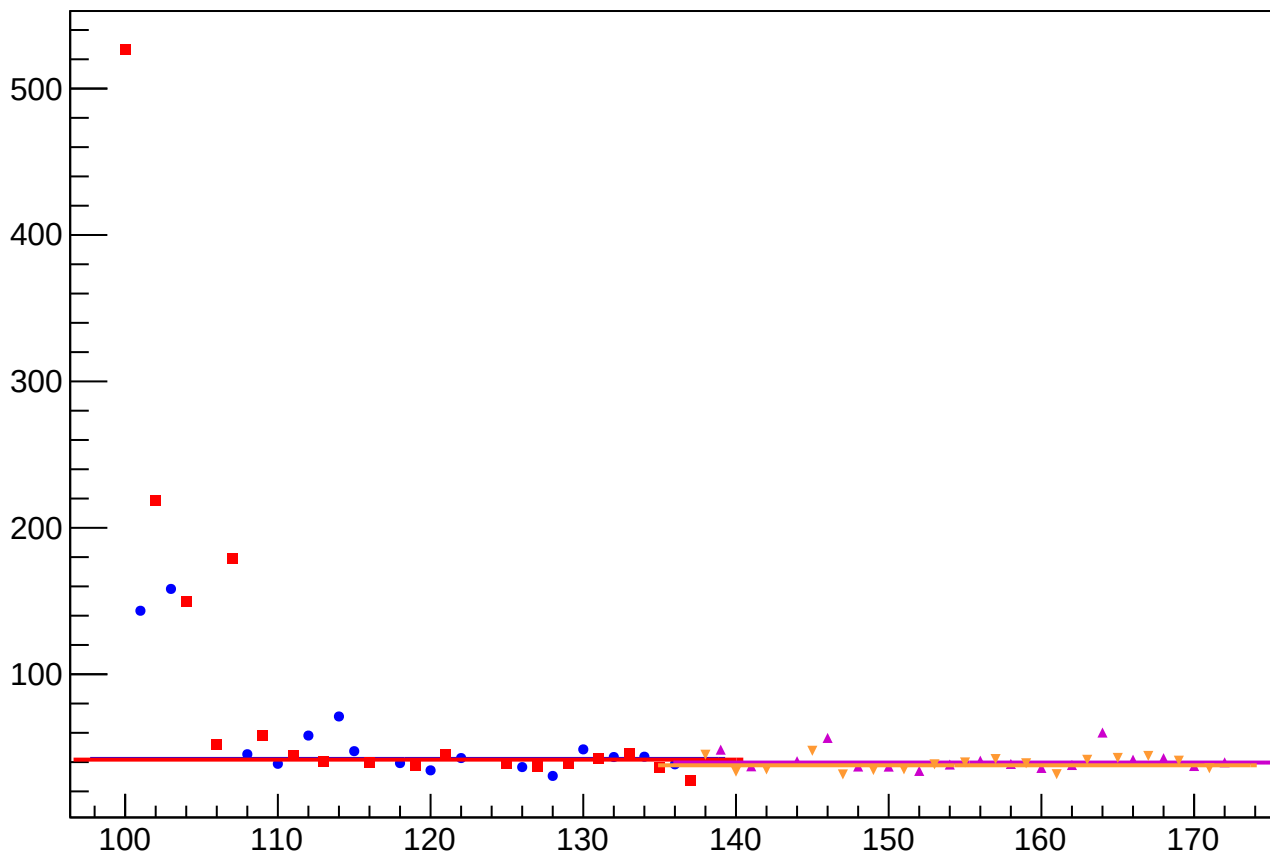
Left In: 0.009 $\pm$ 0.012 χ^2 /NDF:36.7/16

+ sign 0.004 $\pm$ 0.010 χ^2 /NDF: 34.3/32

All: 0.005 $\pm$ 0.007 χ^2 /NDF: 87.6/67

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 53.3/34

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.165 $\pm$ 0.013 χ^2 /NDF: 1454378.8/15

Left Out: 37.827 $\pm$ 0.008 χ^2 /NDF: 327488.8/16

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441204.7/17

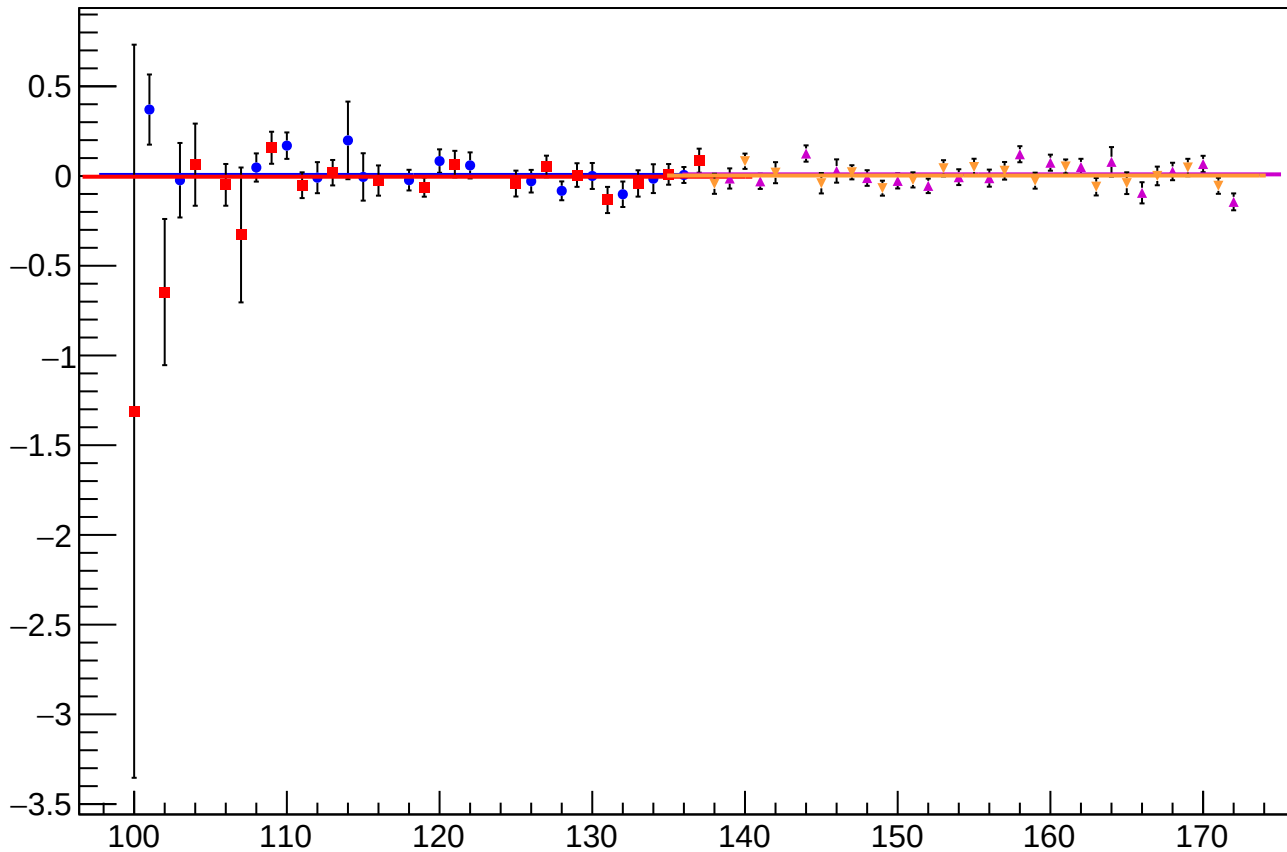
Left In: 39.688 $\pm$ 0.008 χ^2 /NDF: 407572.3/16

+ sign 39.036 $\pm$ 0.007 χ^2 /NDF: 1863306.0/32

All: 39.631 $\pm$ 0.005 χ^2 /NDF: 3744341.6/67

- sign 40.245 $\pm$ 0.007 χ^2 /NDF: 1865553.6/34

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

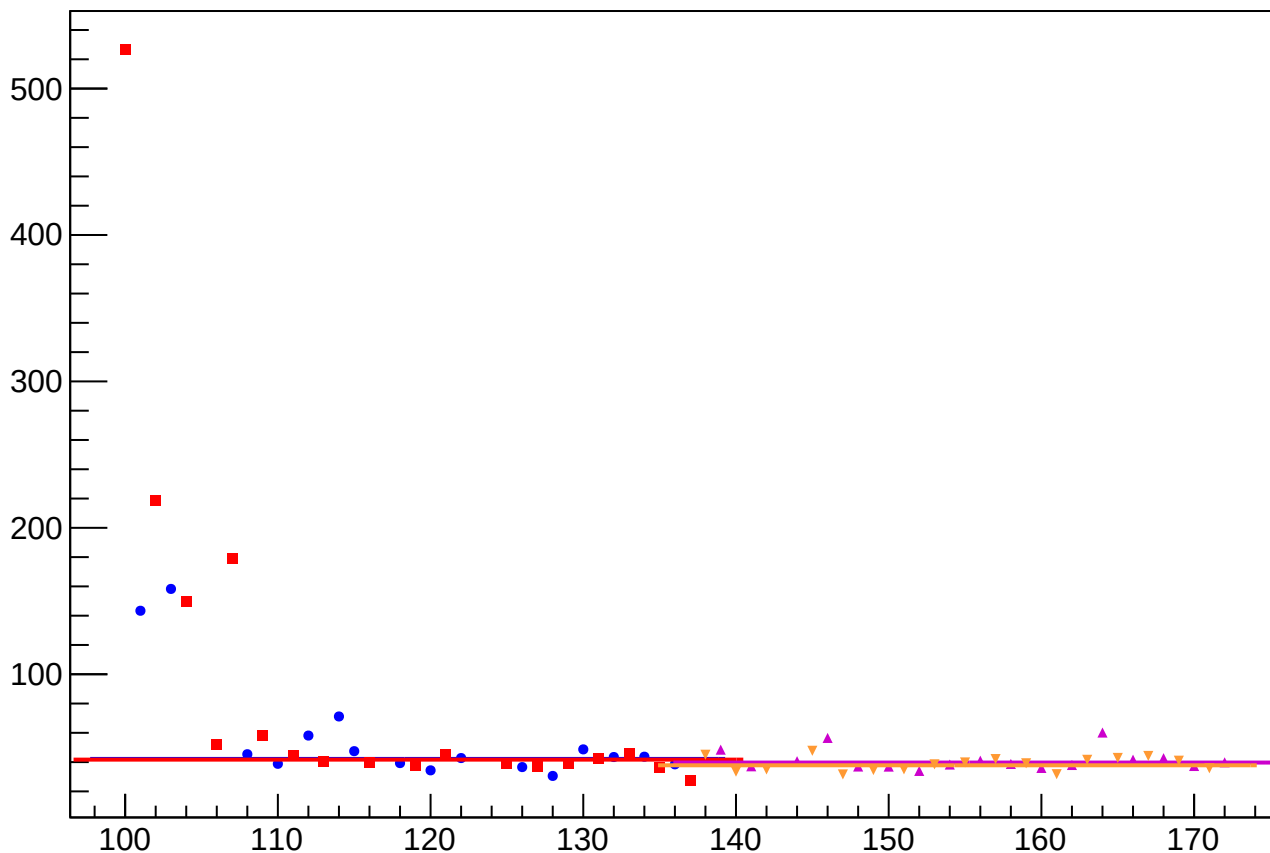
Left In: 0.009 ± 0.012 χ^2/NDF : 36.7/16

+ sign 0.004 ± 0.010 χ^2/NDF : 34.3/32

All: 0.005 ± 0.007 χ^2/NDF : 87.6/67

- sign 0.006 ± 0.010 χ^2/NDF : 53.3/34

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.165 $\pm$ 0.013 χ^2 /NDF: 1454378.8/15

Left Out: 37.827 $\pm$ 0.008 χ^2 /NDF: 327488.8/16

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441204.7/17

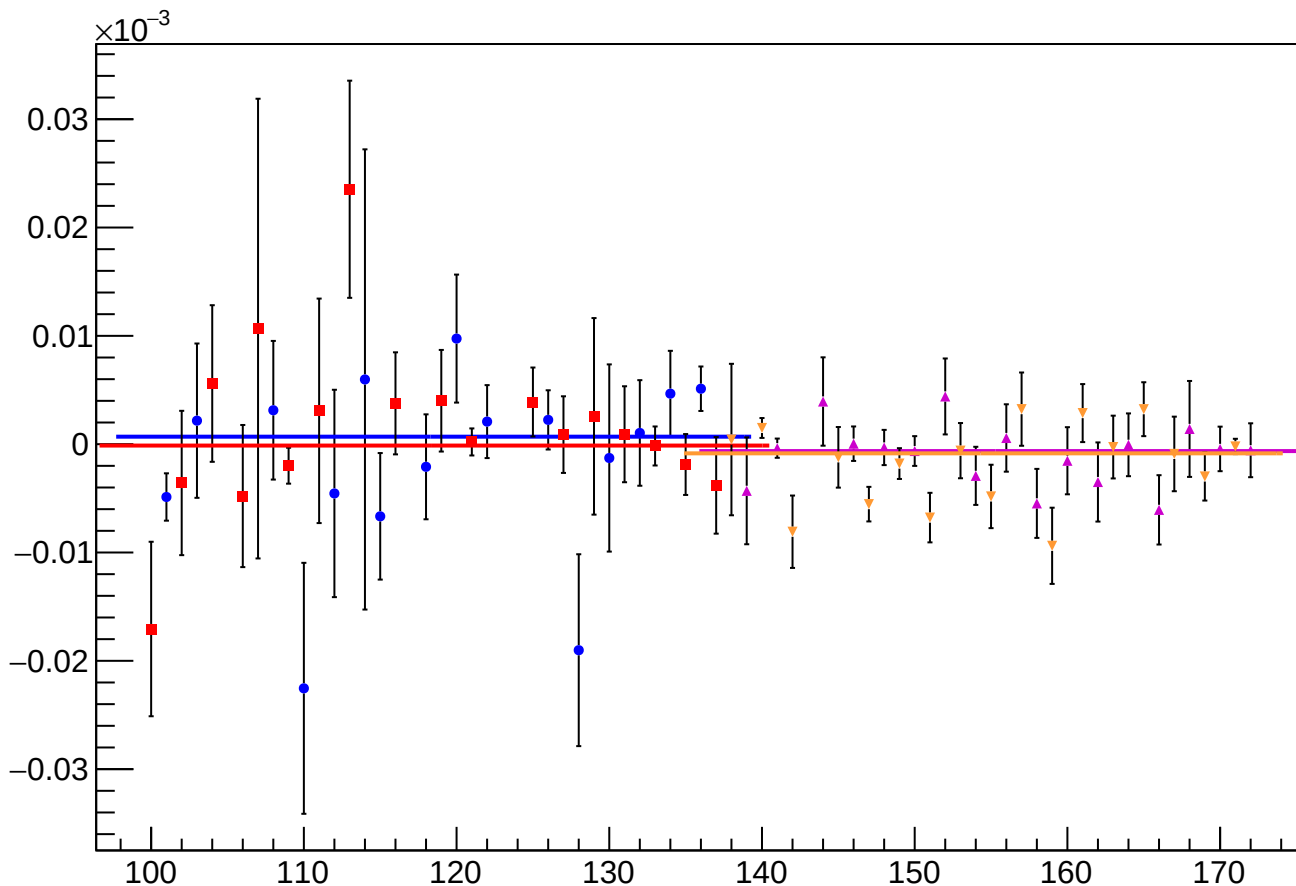
Left In: 39.688 $\pm$ 0.008 χ^2 /NDF: 407572.3/16

+ sign 39.036 $\pm$ 0.007 χ^2 /NDF: 1863306.0/32

All: 39.631 $\pm$ 0.005 χ^2 /NDF: 3744341.6/67

- sign 40.245 $\pm$ 0.007 χ^2 /NDF: 1865553.6/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

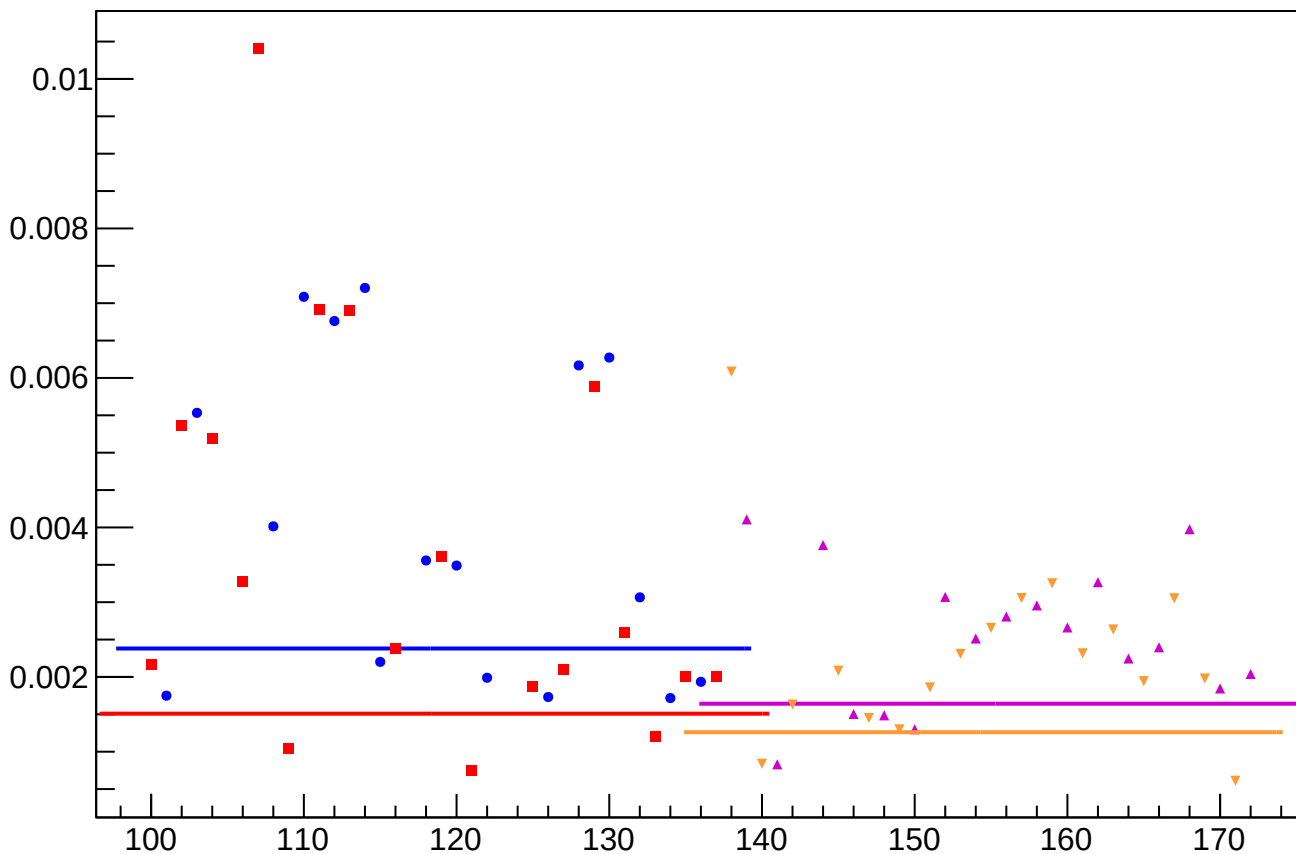
Left In: -0.000 ± 0.000 χ^2/NDF : 11.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 71.1/32

All: -0.000 ± 0.000 χ^2/NDF : 100.1/67

- sign -0.000 ± 0.000 χ^2/NDF : 29.0/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF : 7090641.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 5001667.0/17

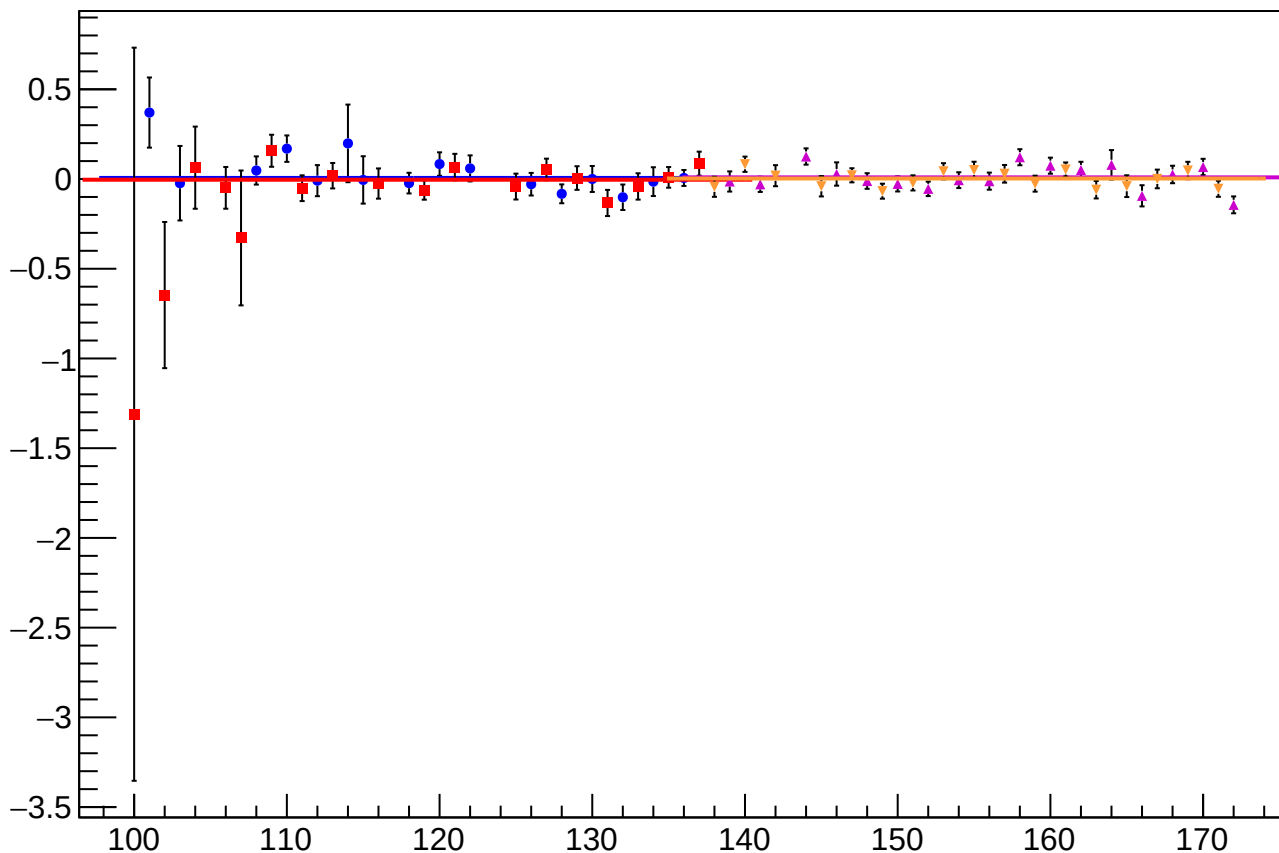
Left In: 0.002+/-0.000 χ^2/NDF : 5470338.6/16

+ sign 0.001+/-0.000 χ^2/NDF : 11991613.9/32

All: 0.002+/-0.000 χ^2/NDF : 22697692.8/67

- sign 0.002+/-0.000 χ^2/NDF : 10517966.8/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.018 χ^2 /NDF: 17.2/15

Left Out: 0.003 $\pm$ 0.011 χ^2 /NDF:17.0/16

Right Out: -0.004 $\pm$ 0.019 χ^2 /NDF: 16.3/17

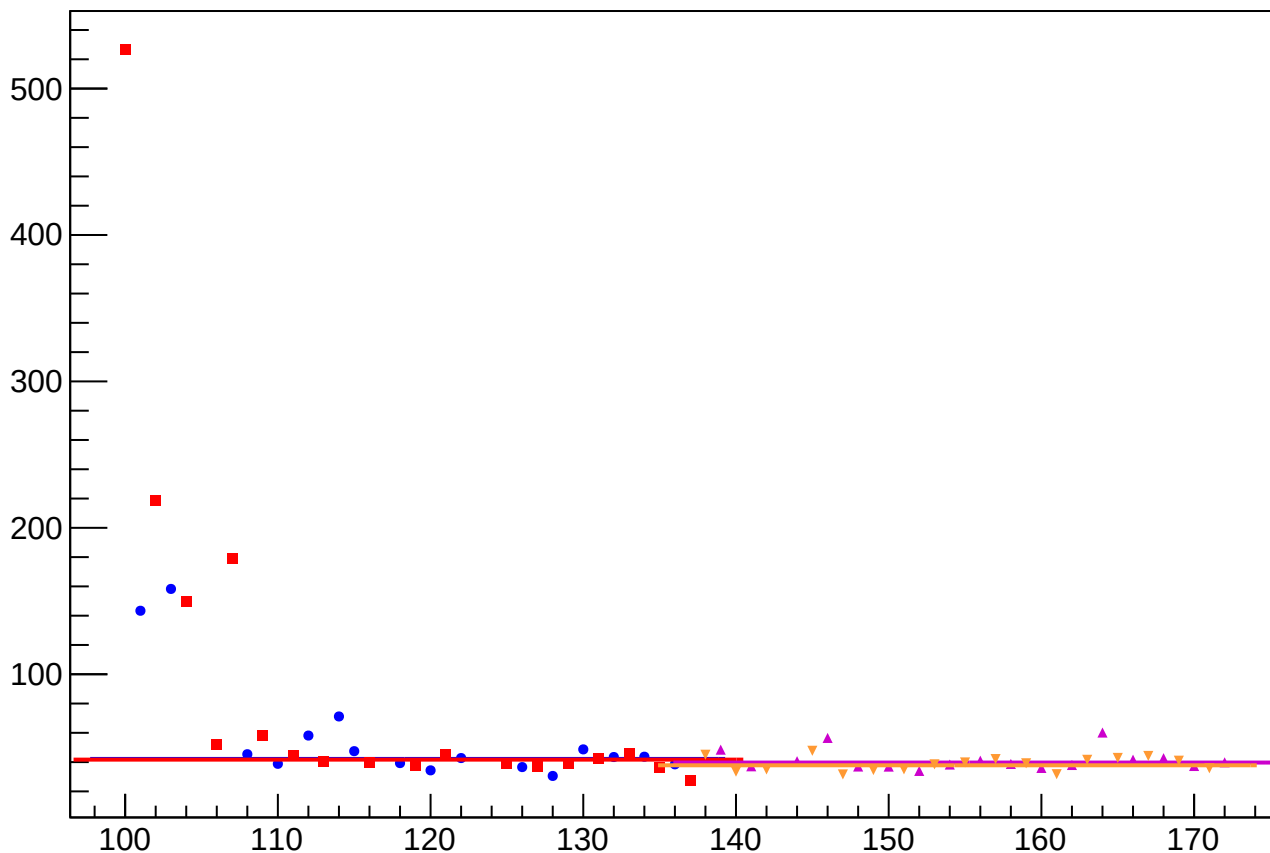
Left In: 0.009 $\pm$ 0.012 χ^2 /NDF:36.7/16

+ sign 0.004 $\pm$ 0.010 χ^2 /NDF: 34.3/32

All: 0.005 $\pm$ 0.007 χ^2 /NDF: 87.6/67

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 53.3/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.163 $\pm$ 0.013 χ^2 /NDF: 1454592.8/15

Left Out: 37.828 $\pm$ 0.008 χ^2 /NDF: 327478.4/16

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441185.4/17

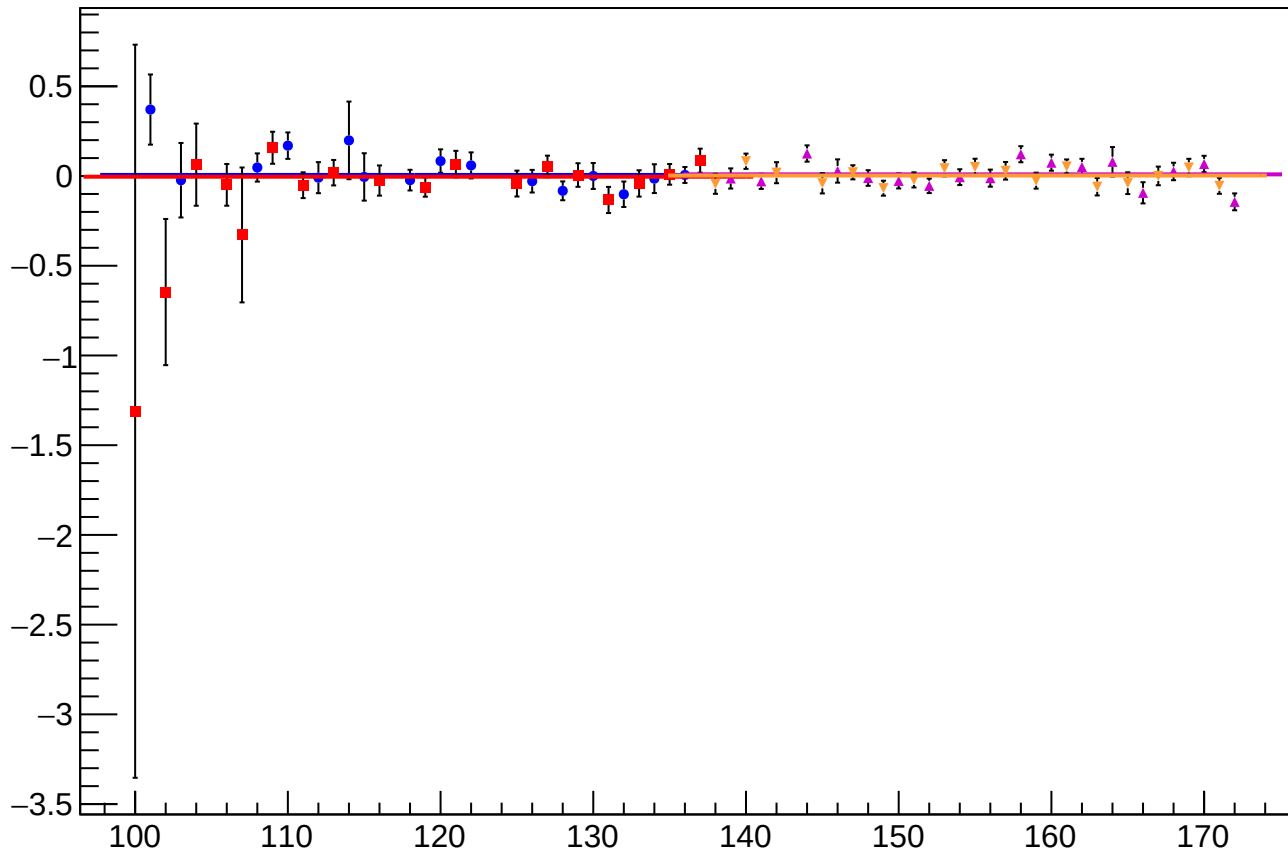
Left In: 39.689 $\pm$ 0.008 χ^2 /NDF: 407608.7/16

+ sign 39.035 $\pm$ 0.007 χ^2 /NDF: 1863416.9/32

All: 39.630 $\pm$ 0.005 χ^2 /NDF: 3744493.6/67

- sign 40.245 $\pm$ 0.007 χ^2 /NDF: 1865577.6/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

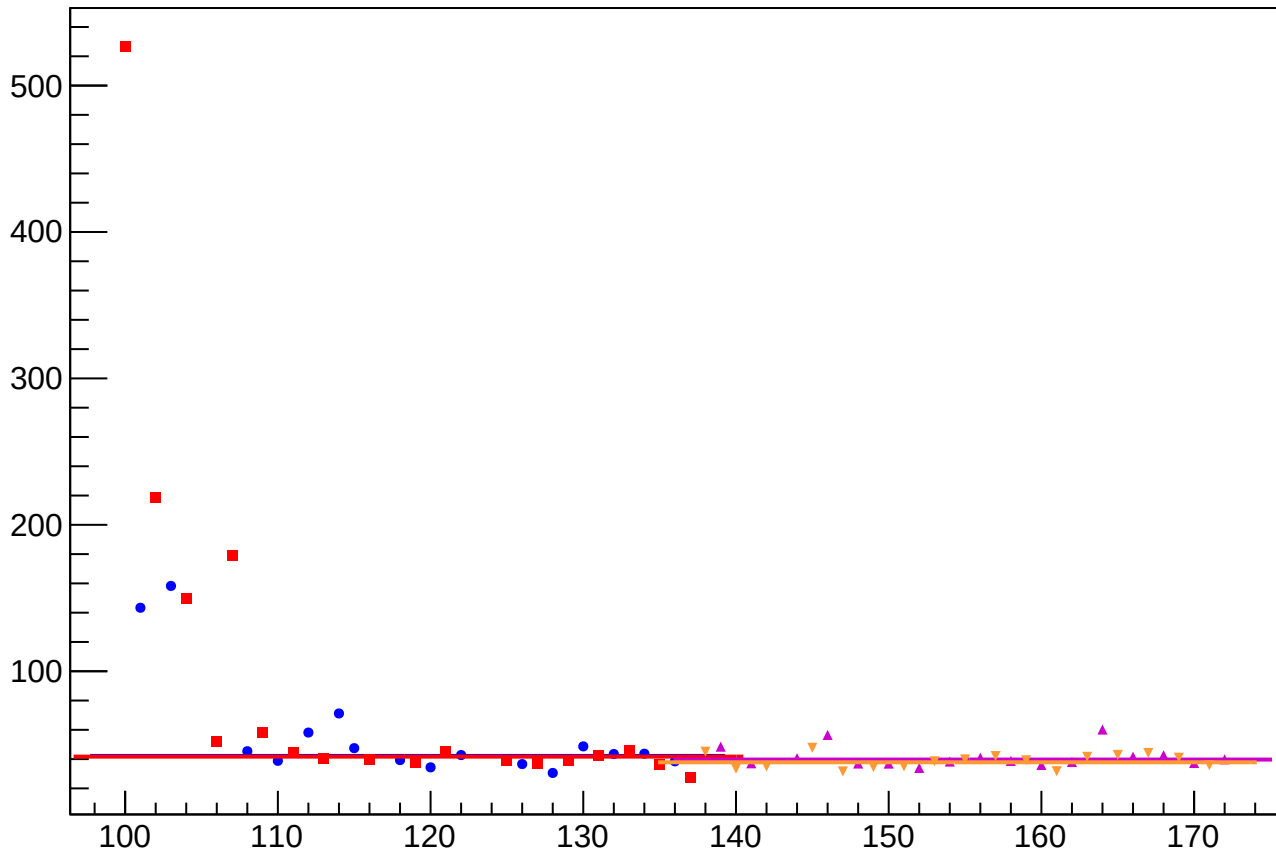
Left In: 0.009 ± 0.012 χ^2/NDF : 36.7/16

+ sign 0.004 ± 0.010 χ^2/NDF : 34.3/32

All: 0.005 ± 0.007 χ^2/NDF : 87.6/67

- sign 0.006 ± 0.010 χ^2/NDF : 53.3/34

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.163 $\pm$ 0.013 χ^2 /NDF: 1454592.8/15

Left Out: 37.828 $\pm$ 0.008 χ^2 /NDF: 327478.4/16

Right Out: 41.692 $\pm$ 0.013 χ^2 /NDF: 1441185.4/17

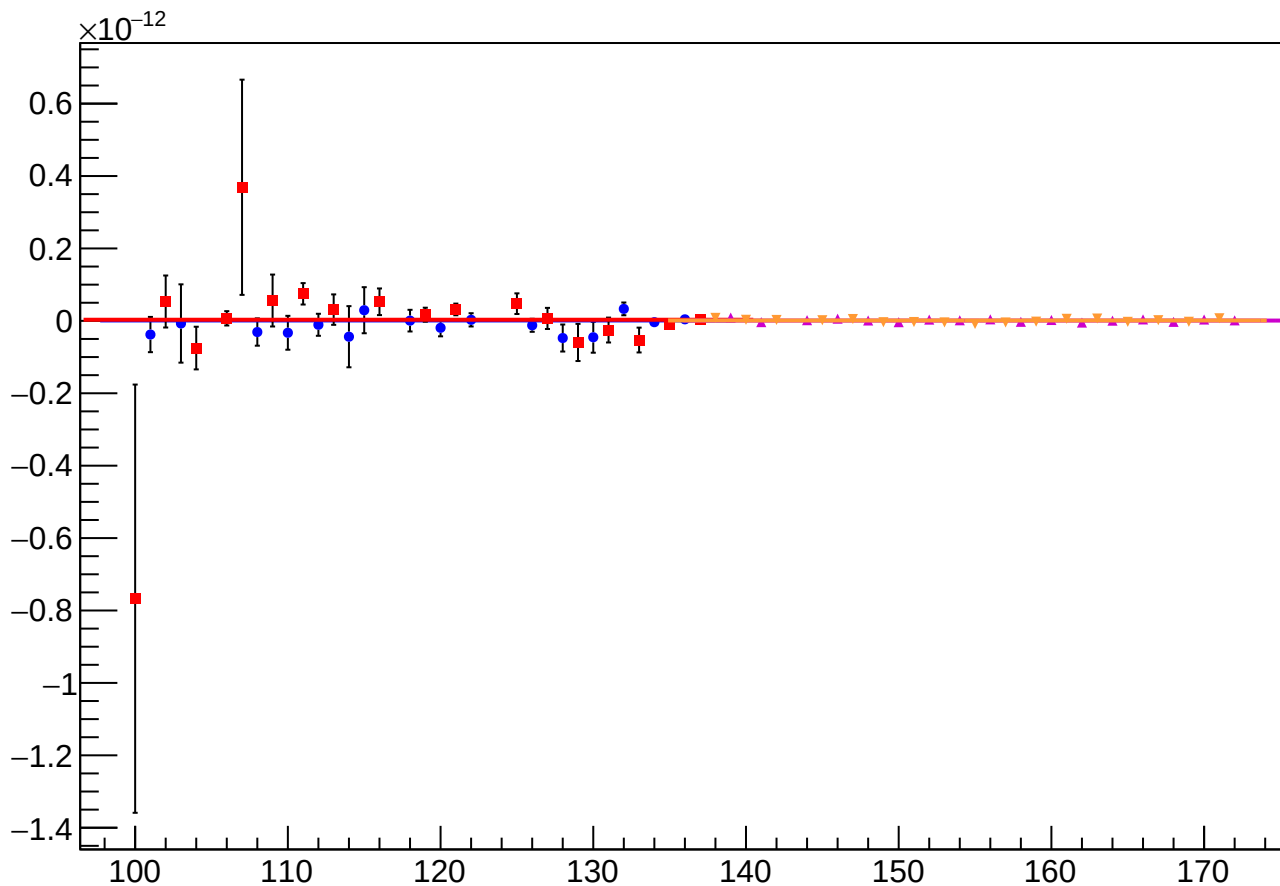
Left In: 39.689 $\pm$ 0.008 χ^2 /NDF: 407608.7/16

+ sign 39.035 $\pm$ 0.007 χ^2 /NDF: 1863416.9/32

All: 39.630 $\pm$ 0.005 χ^2 /NDF: 3744493.6/67

- sign 40.245 $\pm$ 0.007 χ^2 /NDF: 1865577.6/34

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.9/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.8/17

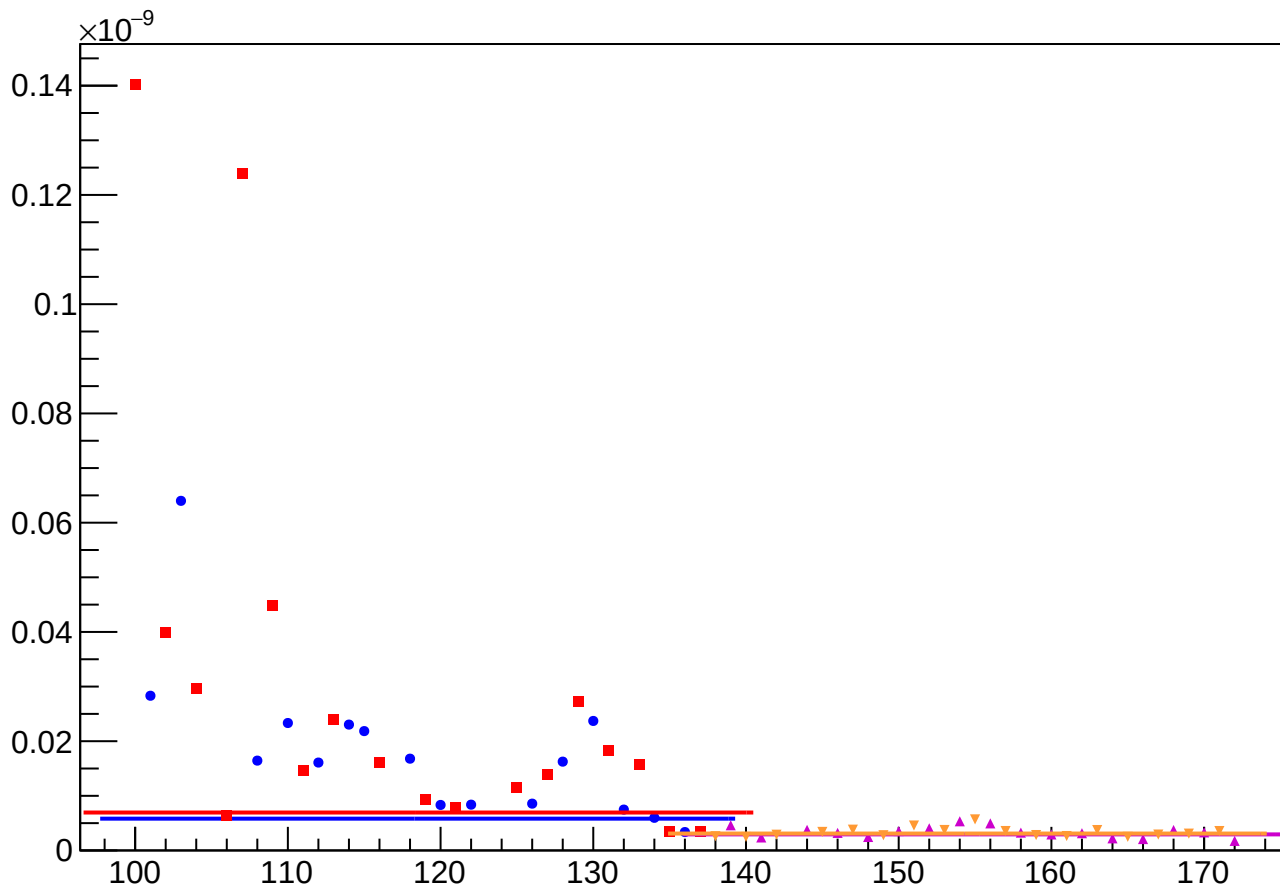
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62.8/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/34

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

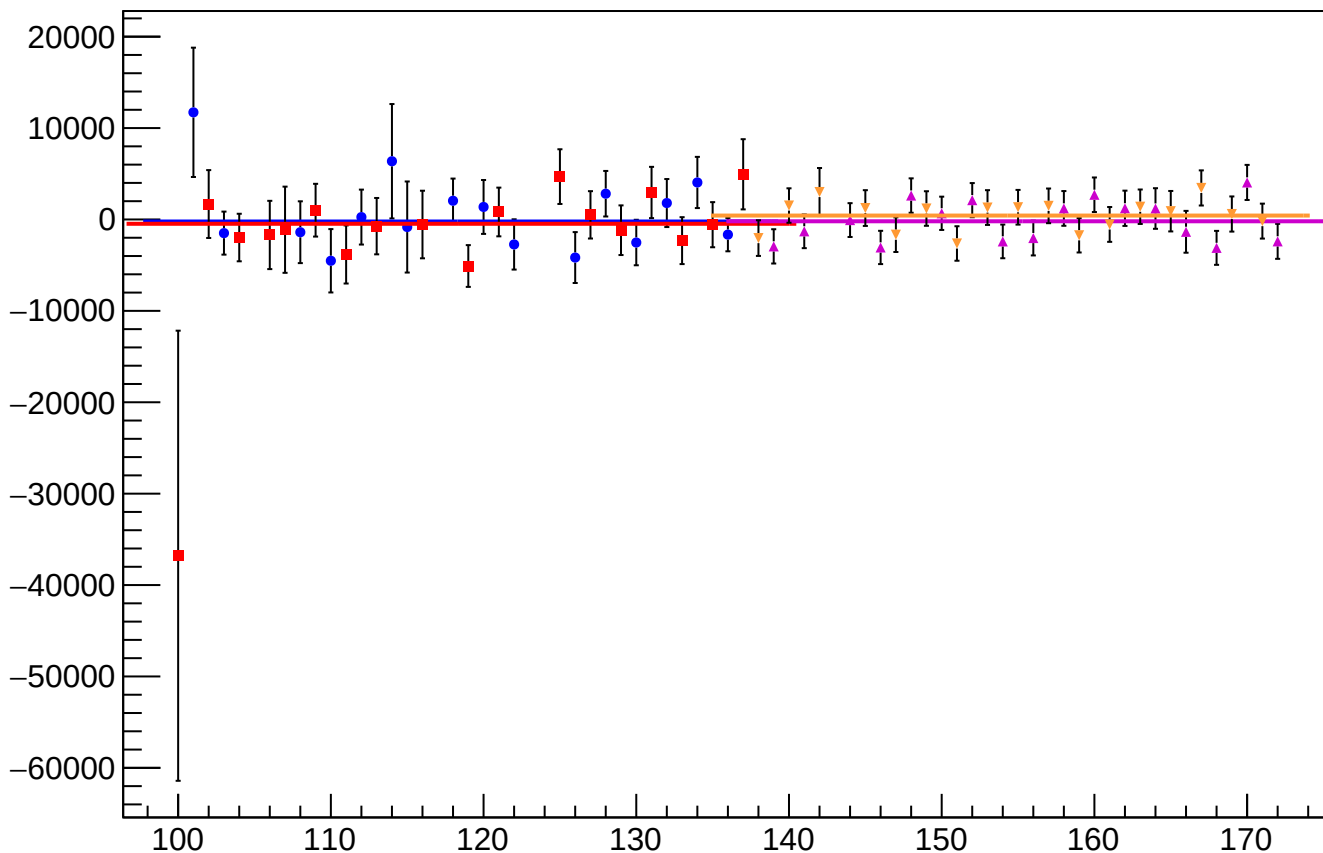
Left In: 0.000+/-0.000 χ^2/NDF : 1276111.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 4777692.6/32

All: 0.000+/-0.000 χ^2/NDF : 11220527.0/67

- sign 0.000+/-0.000 χ^2/NDF : 6419124.2/34

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

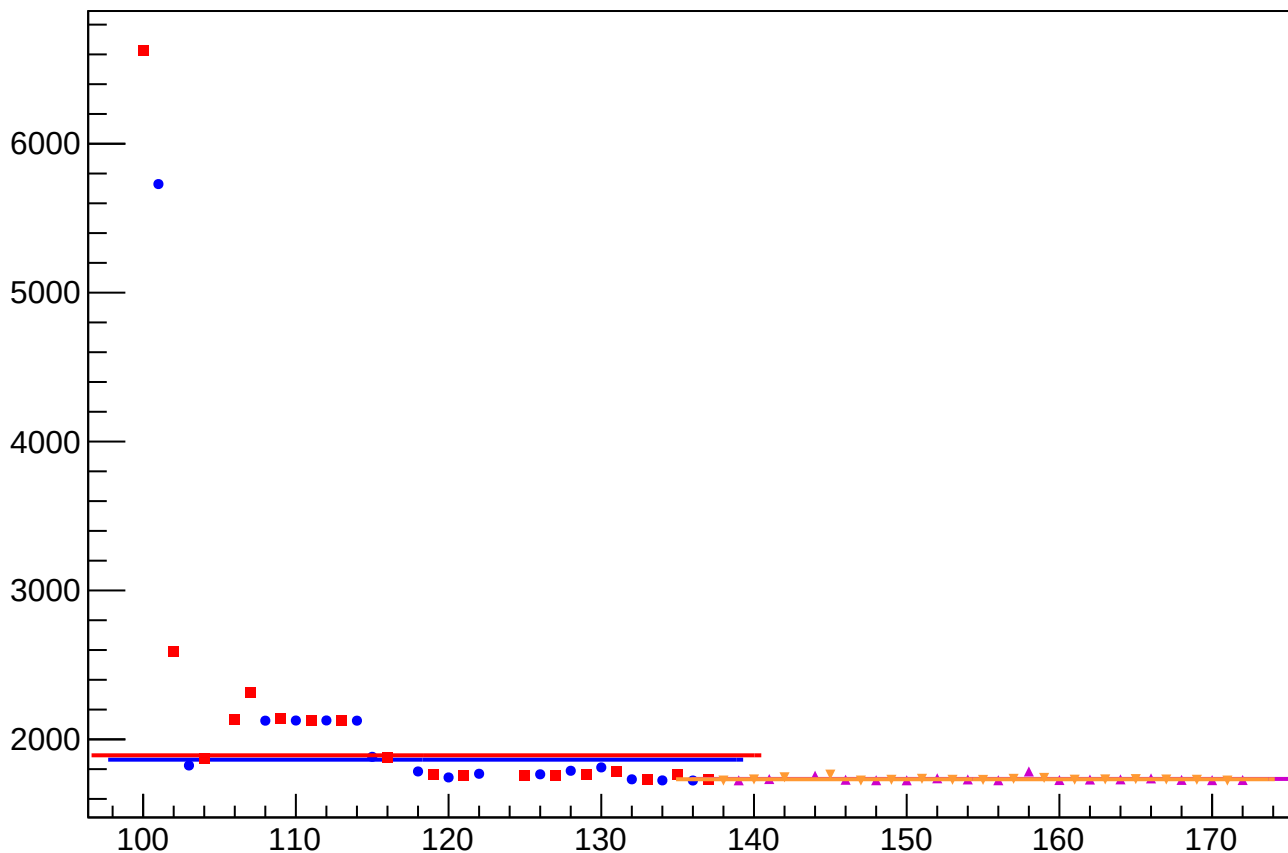
Left In: -198.705+/-462.927 χ^2 /NDF:24.1/16

+ sign 227.643+/-393.162 χ^2 /NDF: 28.7/32

All: -29.577+/-276.172 χ^2 /NDF: 69.6/67

- sign -280.115+/-388.022 χ^2 /NDF: 40.1/34

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

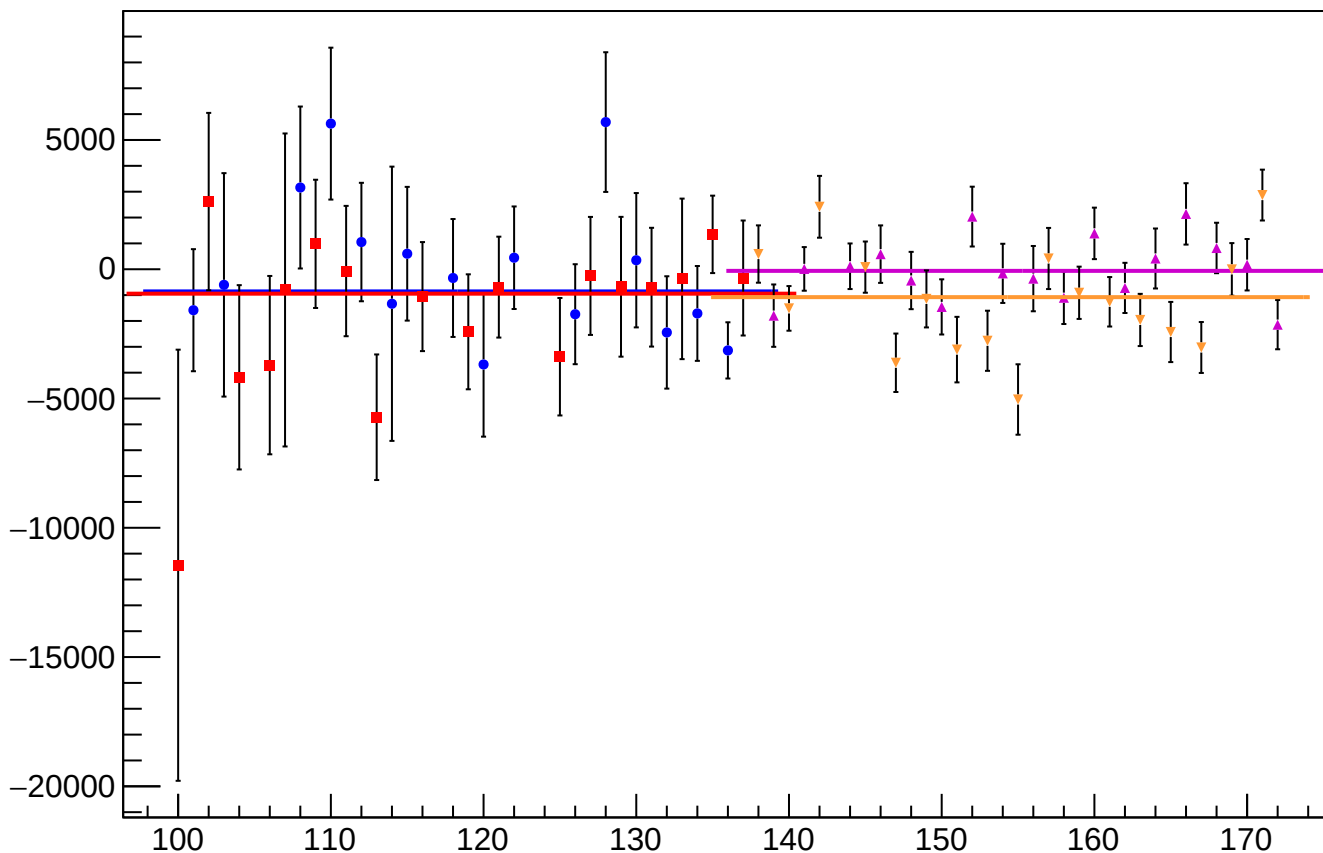
Left In: 1734.251 ± 0.327 χ^2/NDF : 2012.2/16

+ sign 1772.547 ± 0.278 χ^2/NDF : 723026.6/32

All: 1777.046 ± 0.195 χ^2/NDF : 1046905.4/67

- sign 1781.429 ± 0.274 χ^2/NDF : 323361.6/34

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



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

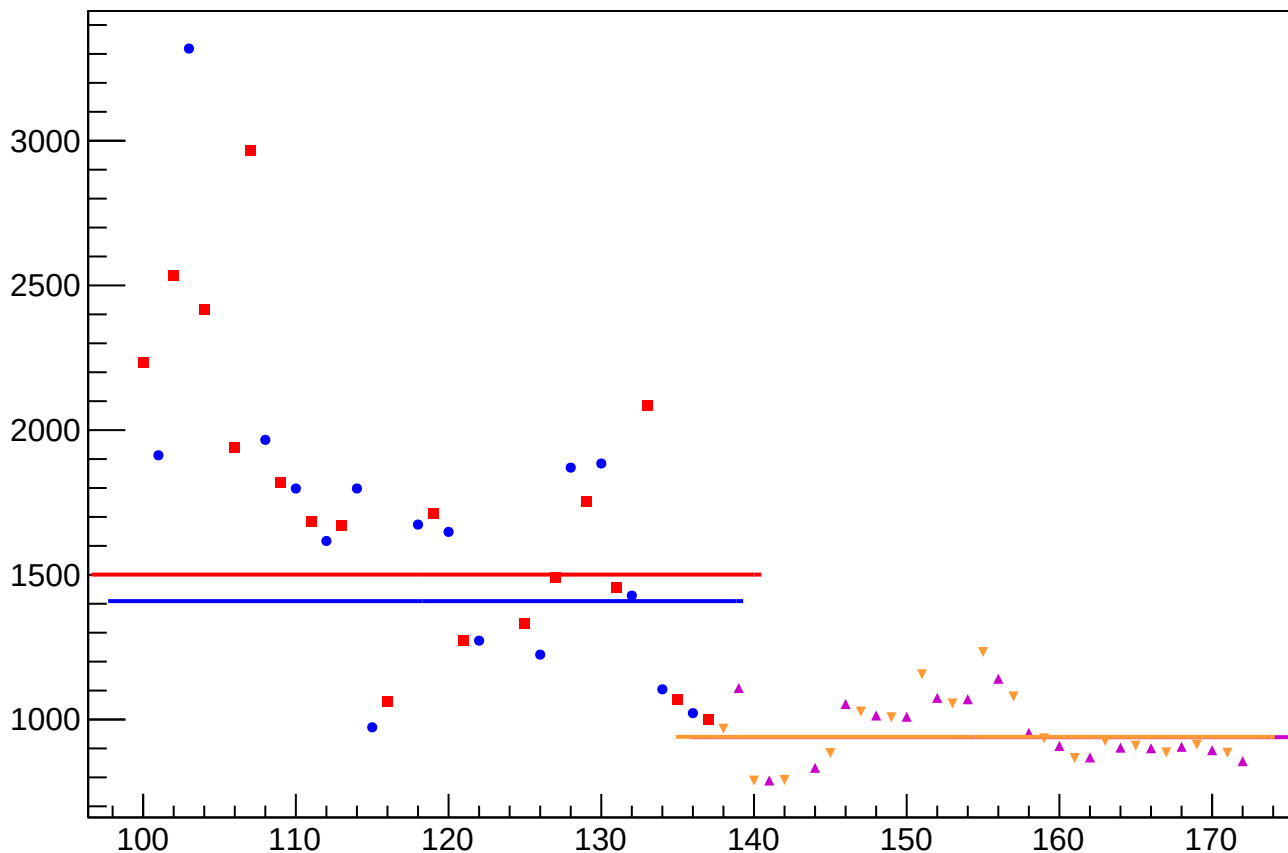
Left In: -62.746 ± 252.605 χ^2/NDF : 20.5/16

+ sign -1038.648 ± 234.244 χ^2/NDF : 76.2/32

All: -615.896 ± 164.780 χ^2/NDF : 118.0/67

- sign -201.763 ± 231.844 χ^2/NDF : 35.3/34

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1409.096 $\pm$ 0.389 χ^2 /NDF: 1167706.6/15

Left Out: 940.002 $\pm$ 0.183 χ^2 /NDF: 344977.1/16

Right Out: 1500.801 $\pm$ 0.413 χ^2 /NDF: 1030768.2/17

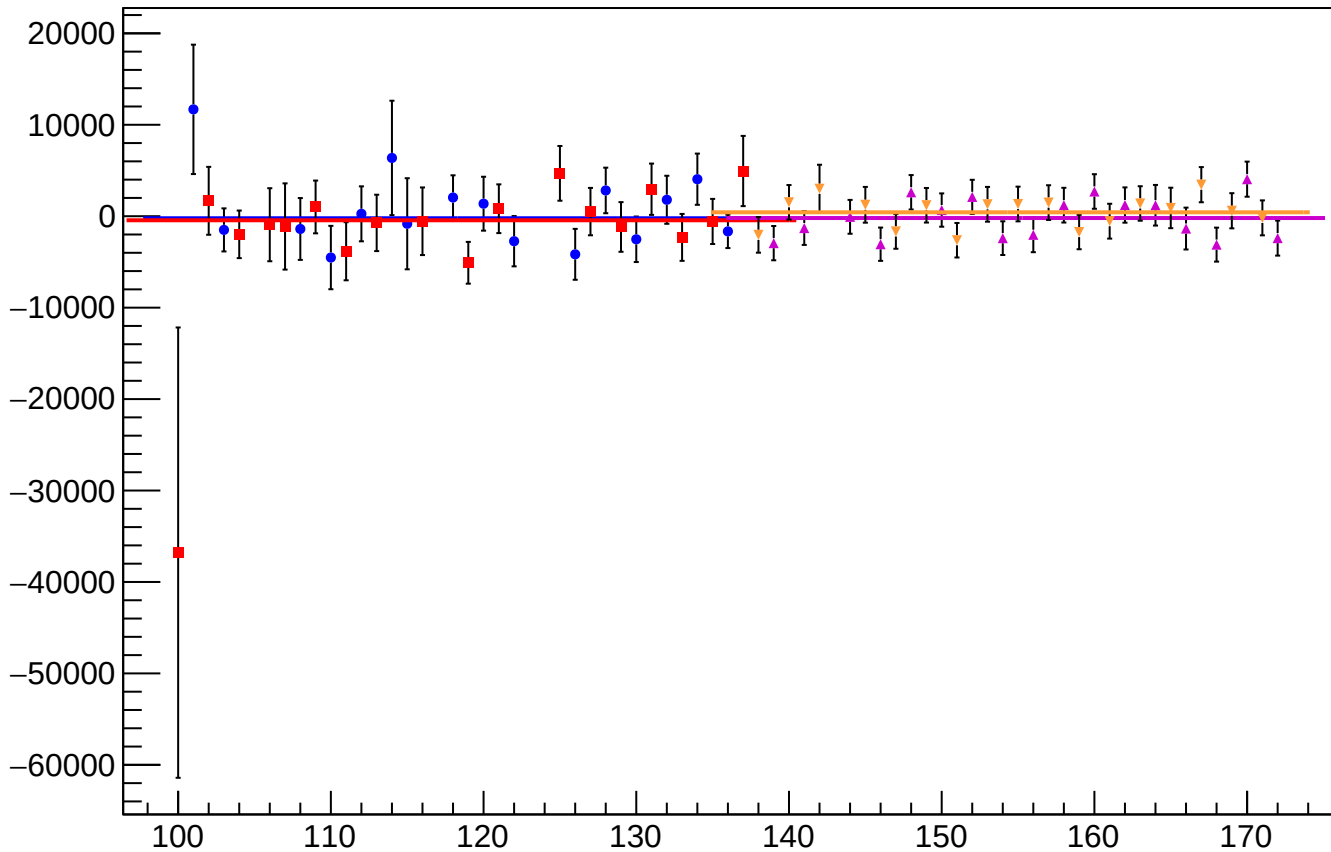
Left In: 938.919 $\pm$ 0.179 χ^2 /NDF: 313884.2/16

+ sign 1025.155 $\pm$ 0.166 χ^2 /NDF: 2704357.8/32

All: 1026.331 $\pm$ 0.117 χ^2 /NDF: 5608842.4/67

- sign 1027.484 $\pm$ 0.164 χ^2 /NDF: 2904384.8/34

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

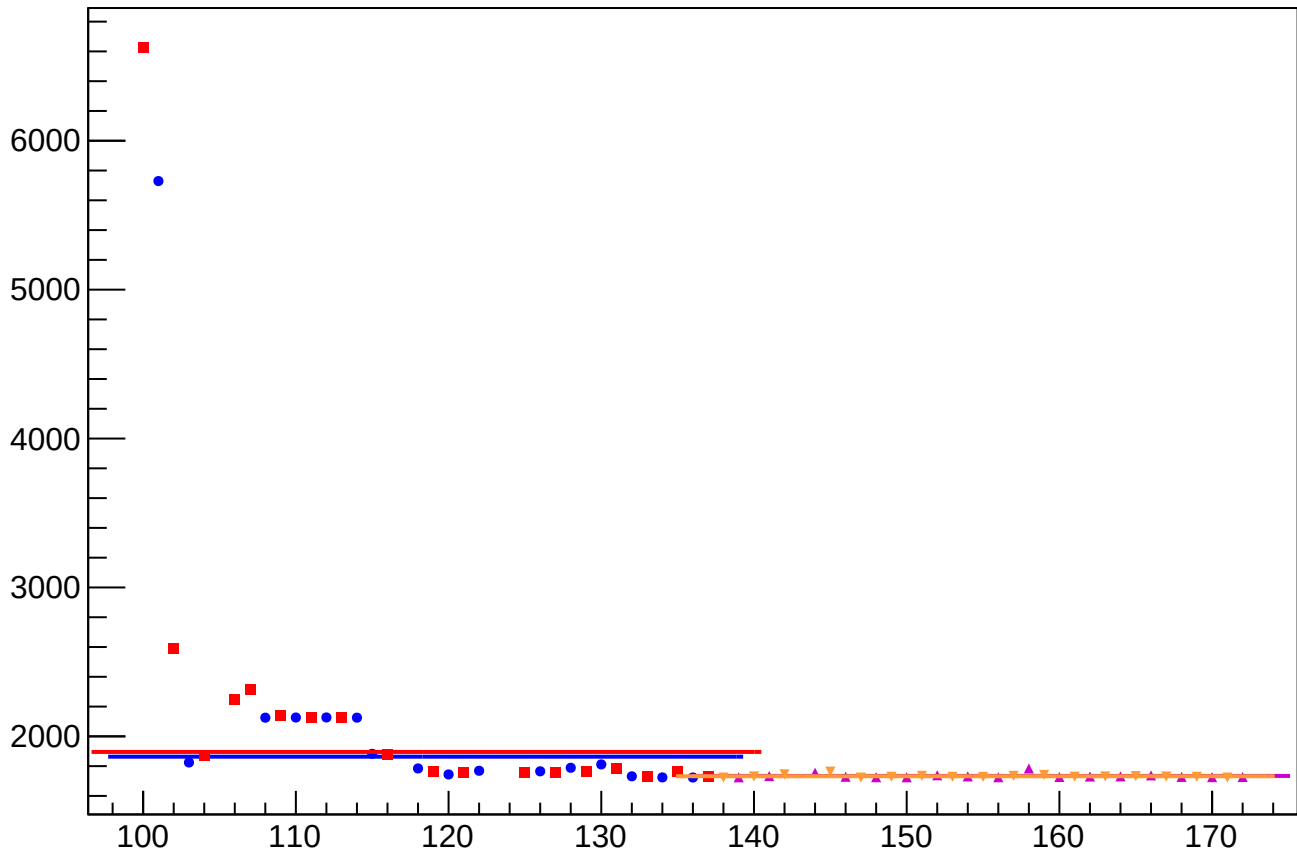
Left In: -198.775 ± 462.927 χ^2/NDF : 24.1/16

+ sign 227.430 ± 393.162 χ^2/NDF : 28.7/32

All: -24.992 ± 276.267 χ^2/NDF : 69.5/67

- sign -271.190 ± 388.284 χ^2/NDF : 40.0/34

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

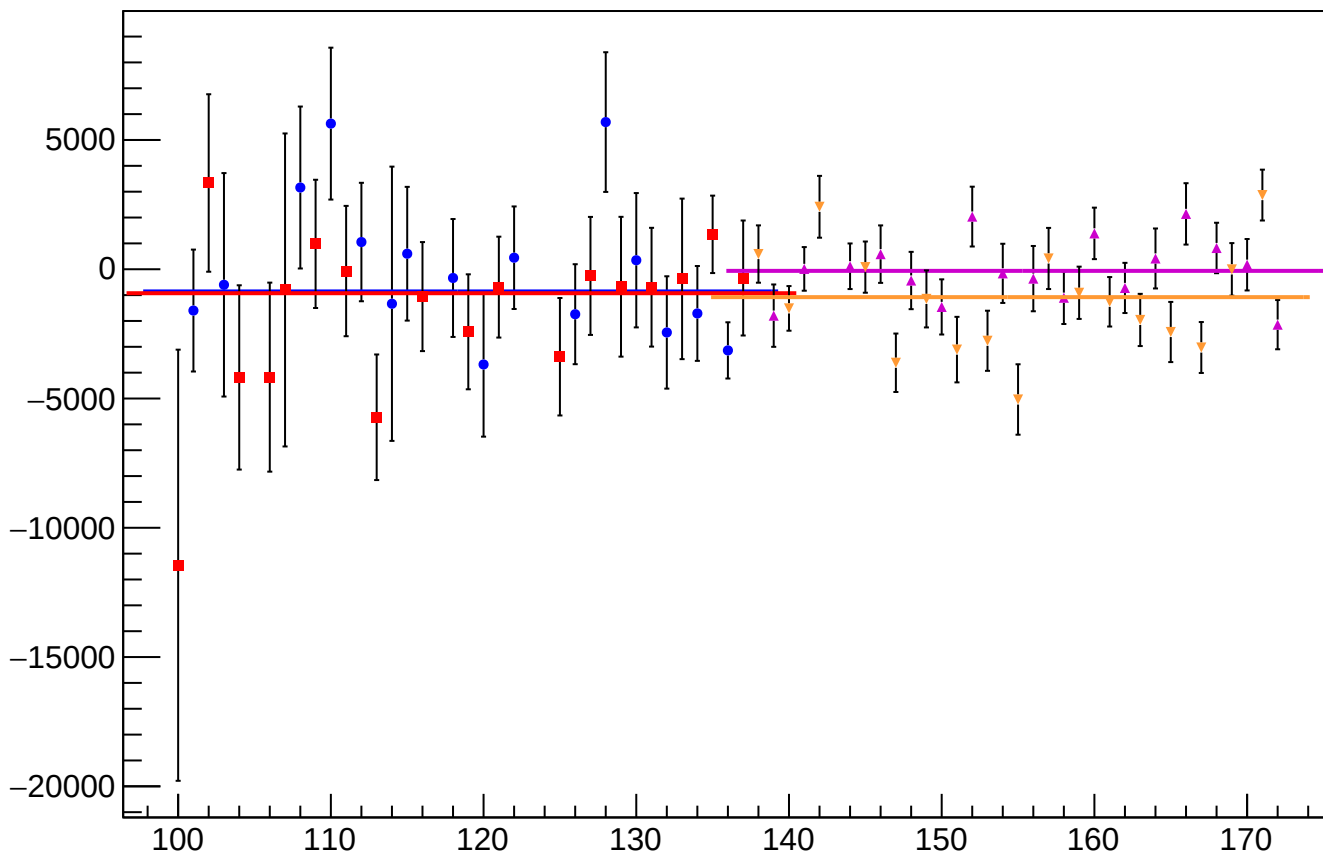
Left In: 1734.251+/-0.327 χ^2/NDF : 2012.2/16

+ sign 1772.547+/-0.278 χ^2/NDF : 723026.5/32

All: 1777.361+/-0.195 χ^2/NDF : 1056739.7/67

- sign 1782.057+/-0.275 χ^2/NDF : 333120.8/34

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



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

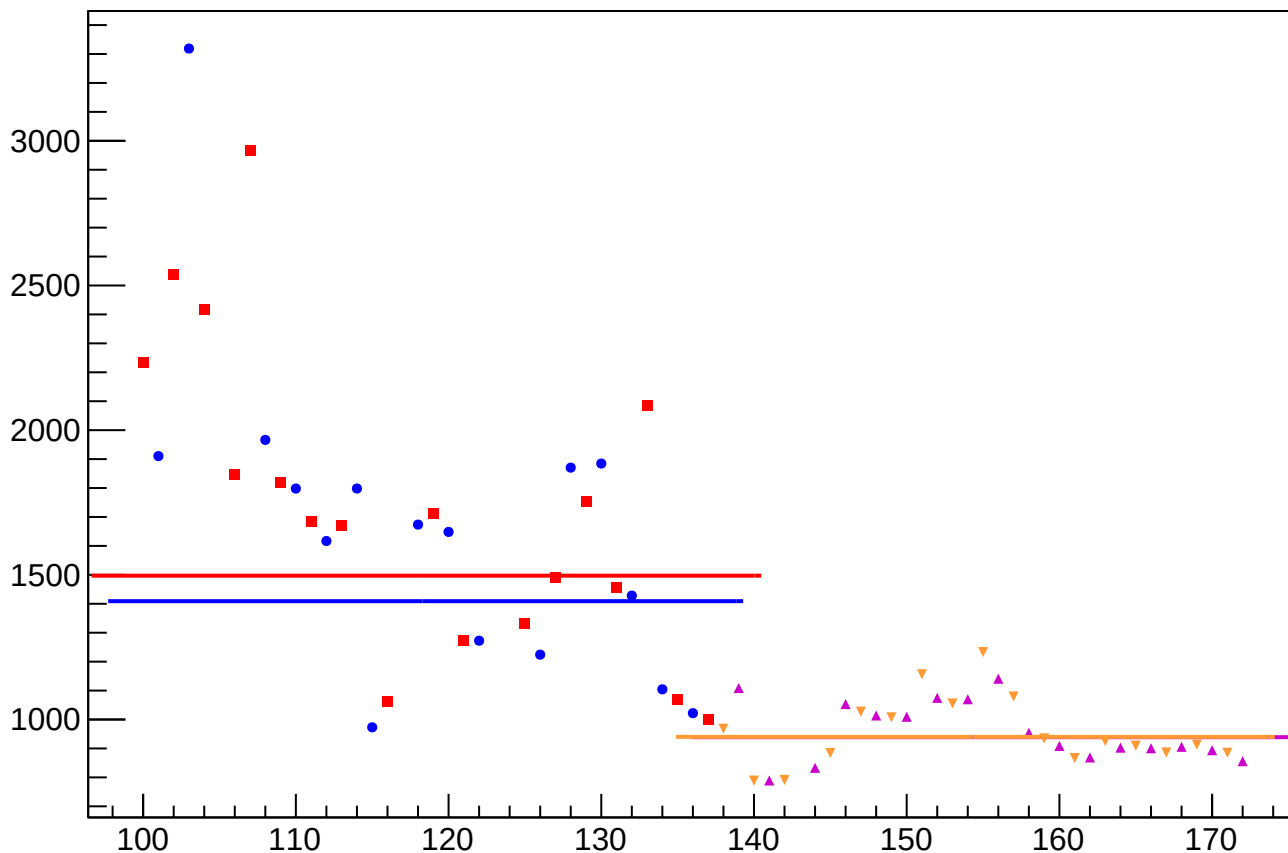
Left In: -62.778 ± 252.604 χ^2/NDF : 20.5/16

+ sign -1038.795 ± 234.241 χ^2/NDF : 76.2/32

All: -614.513 ± 164.800 χ^2/NDF : 118.6/67

- sign -198.666 ± 231.901 χ^2/NDF : 35.9/34

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1409.018 $\pm$ 0.389 χ^2 /NDF: 1167065.5/15

Left Out: 940.003 $\pm$ 0.183 χ^2 /NDF: 344944.3/16

Right Out: 1497.149 $\pm$ 0.414 χ^2 /NDF: 1018123.6/17

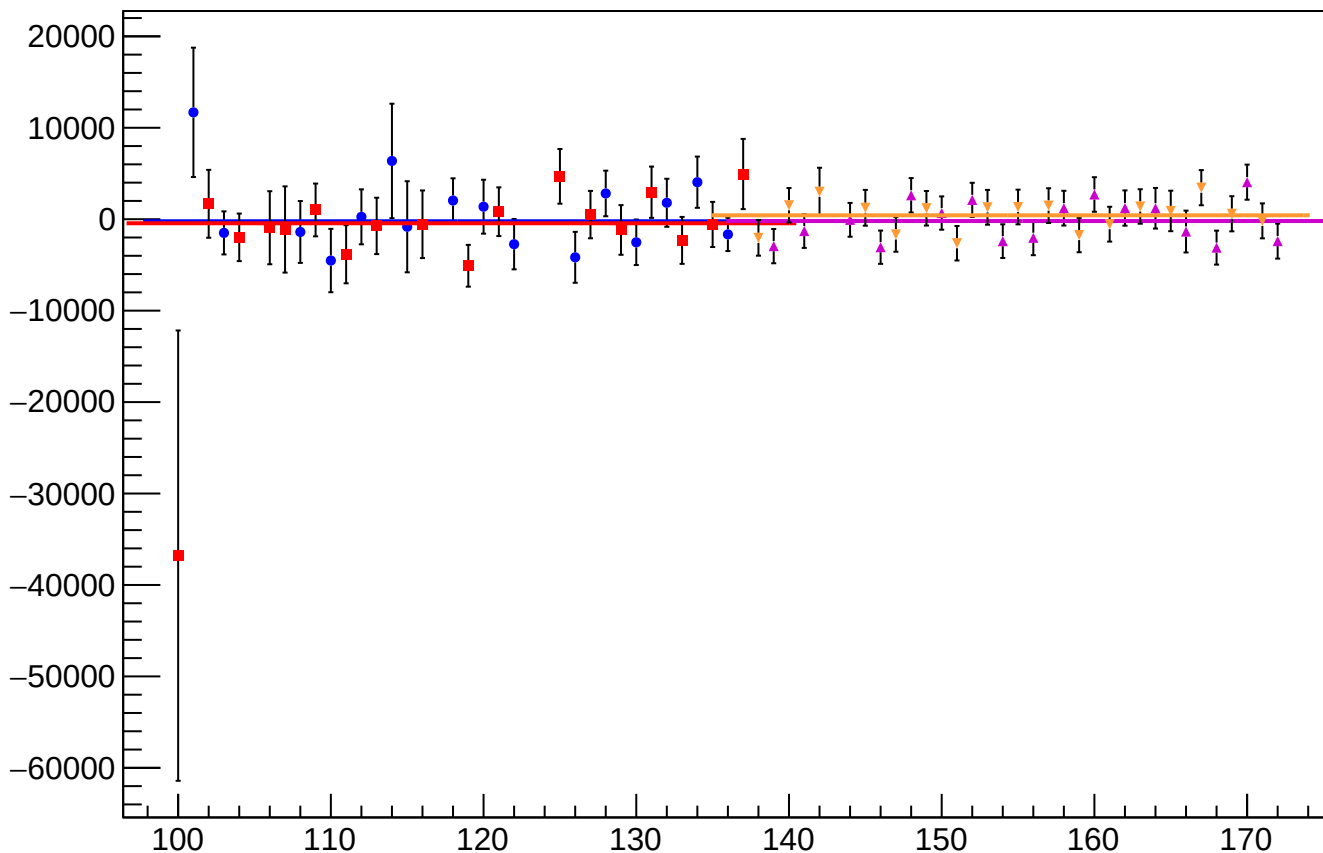
Left In: 938.916 $\pm$ 0.179 χ^2 /NDF: 313889.7/16

+ sign 1025.153 $\pm$ 0.166 χ^2 /NDF: 2703437.9/32

All: 1025.920 $\pm$ 0.117 χ^2 /NDF: 5570960.2/67

- sign 1026.672 $\pm$ 0.164 χ^2 /NDF: 2867479.9/34

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

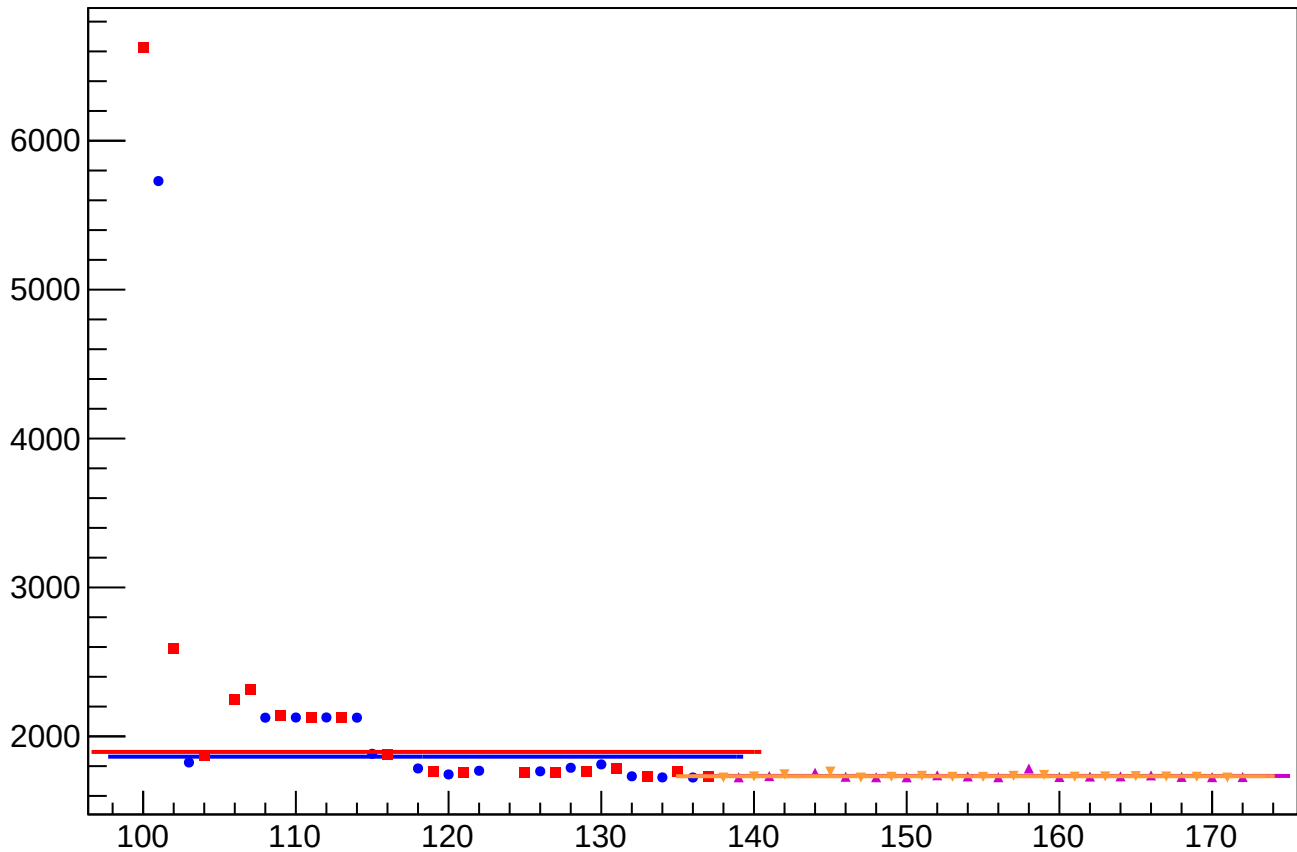
Left In: -198.775 ± 462.927 χ^2/NDF : 24.1/16

+ sign 227.430 ± 393.162 χ^2/NDF : 28.7/32

All: -24.992 ± 276.267 χ^2/NDF : 69.5/67

- sign -271.190 ± 388.284 χ^2/NDF : 40.0/34

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

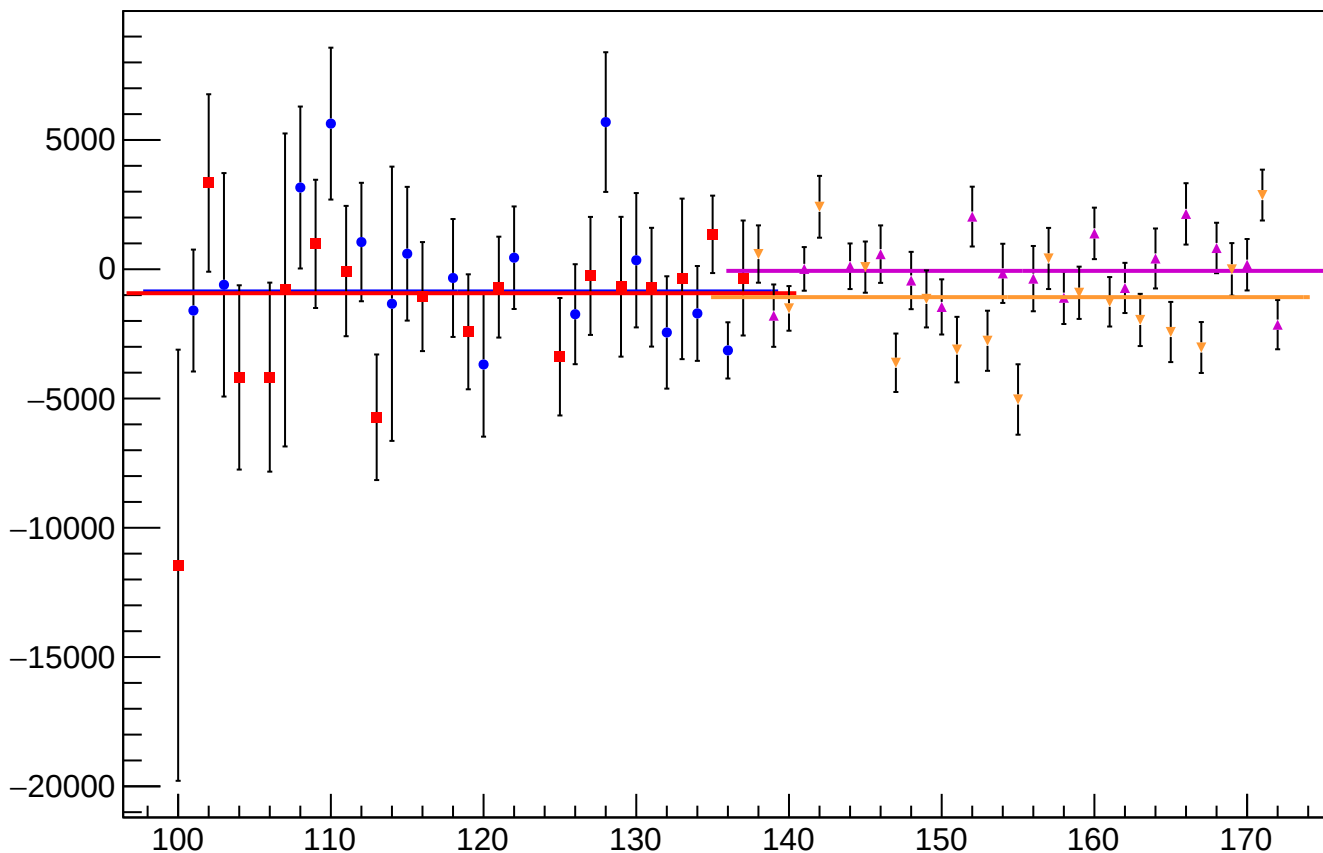
Left In: 1734.251+/-0.327 χ^2/NDF : 2012.2/16

+ sign 1772.547+/-0.278 χ^2/NDF : 723026.5/32

All: 1777.361+/-0.195 χ^2/NDF : 1056739.7/67

- sign 1782.057+/-0.275 χ^2/NDF : 333120.8/34

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



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

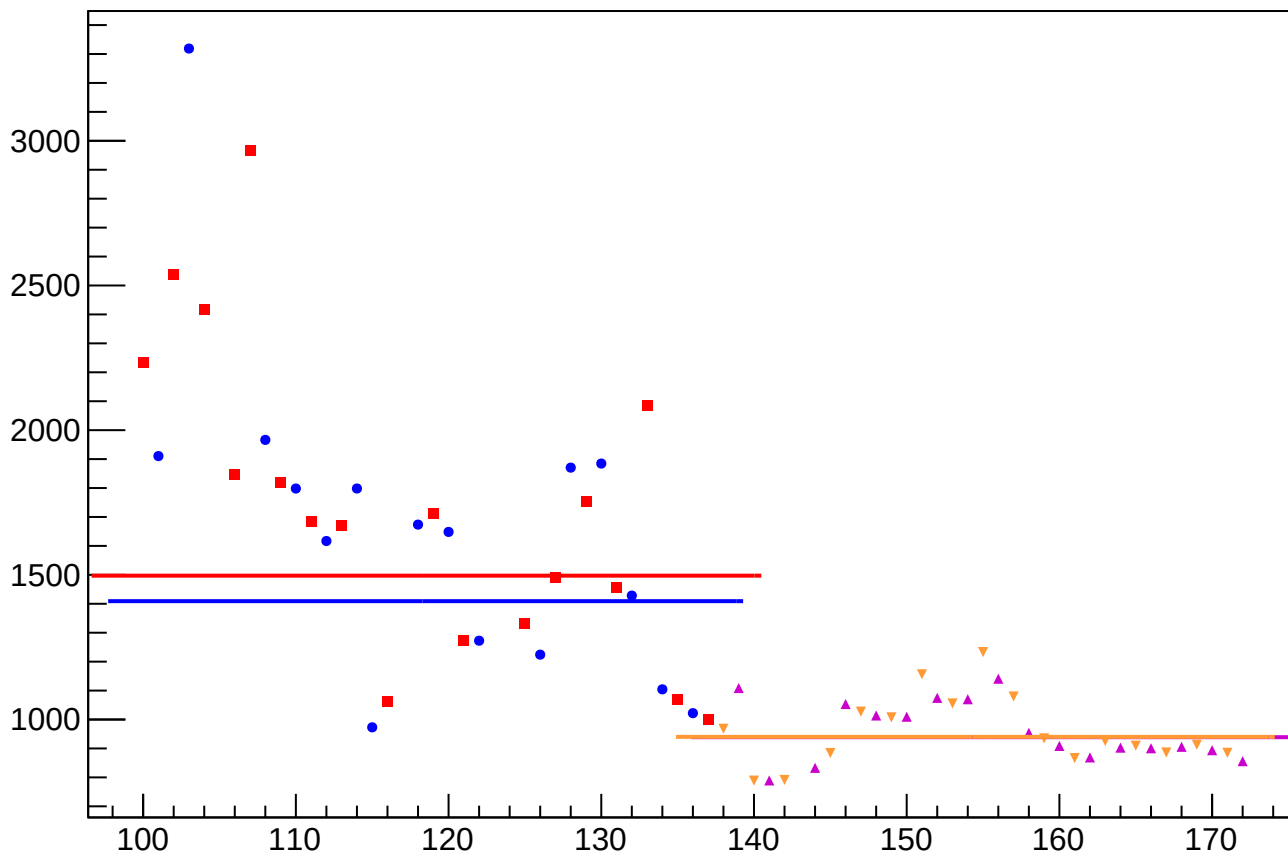
Left In: -62.778 ± 252.604 χ^2/NDF : 20.5/16

+ sign -1038.795 ± 234.241 χ^2/NDF : 76.2/32

All: -614.513 ± 164.800 χ^2/NDF : 118.6/67

- sign -198.666 ± 231.901 χ^2/NDF : 35.9/34

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



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

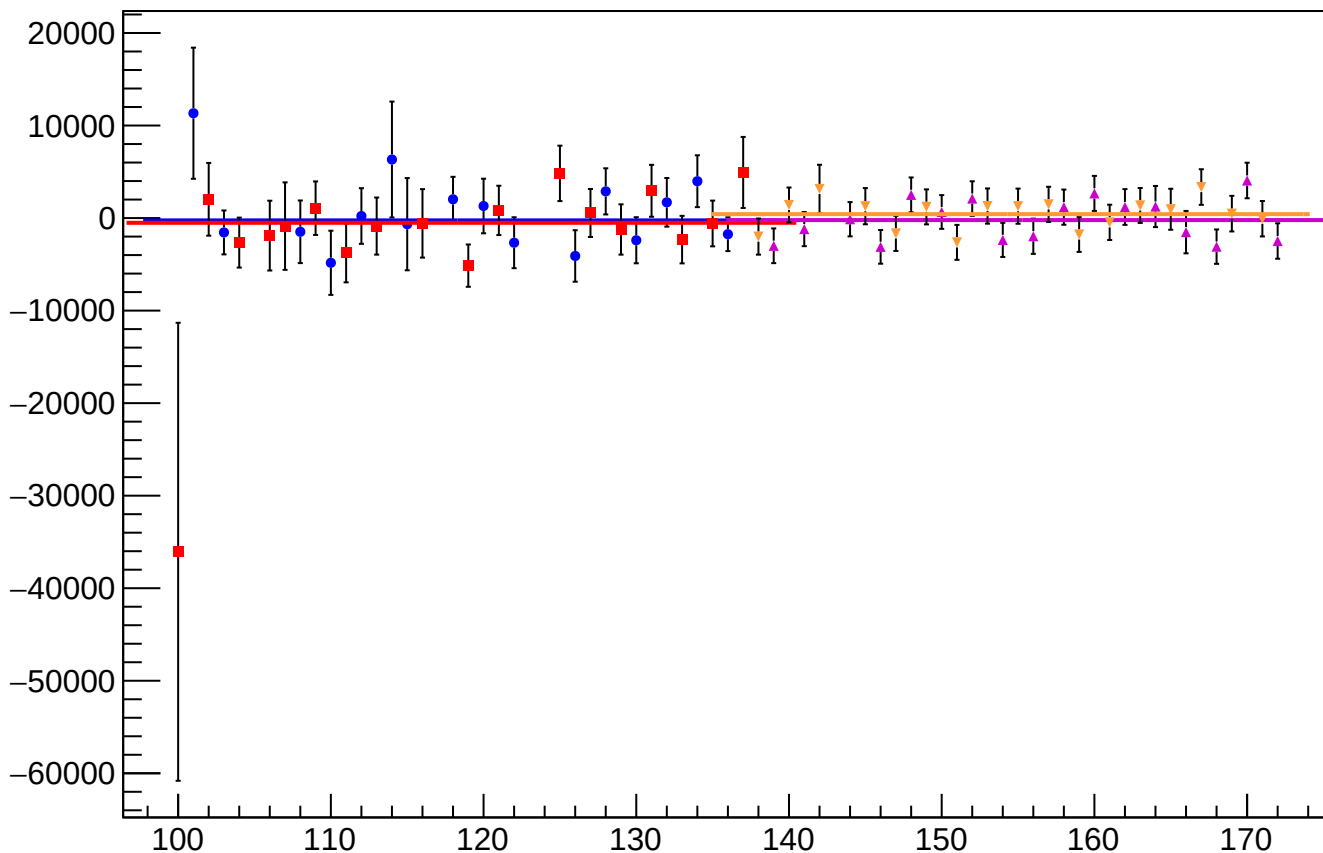
Left In: 938.916+/-0.179 χ^2/NDF : 313889.7/16

+ sign 1025.153+/-0.166 χ^2/NDF : 2703437.9/32

All: 1025.920+/-0.117 χ^2/NDF : 5570960.2/67

- sign 1026.672+/-0.164 χ^2/NDF : 2867479.9/34

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

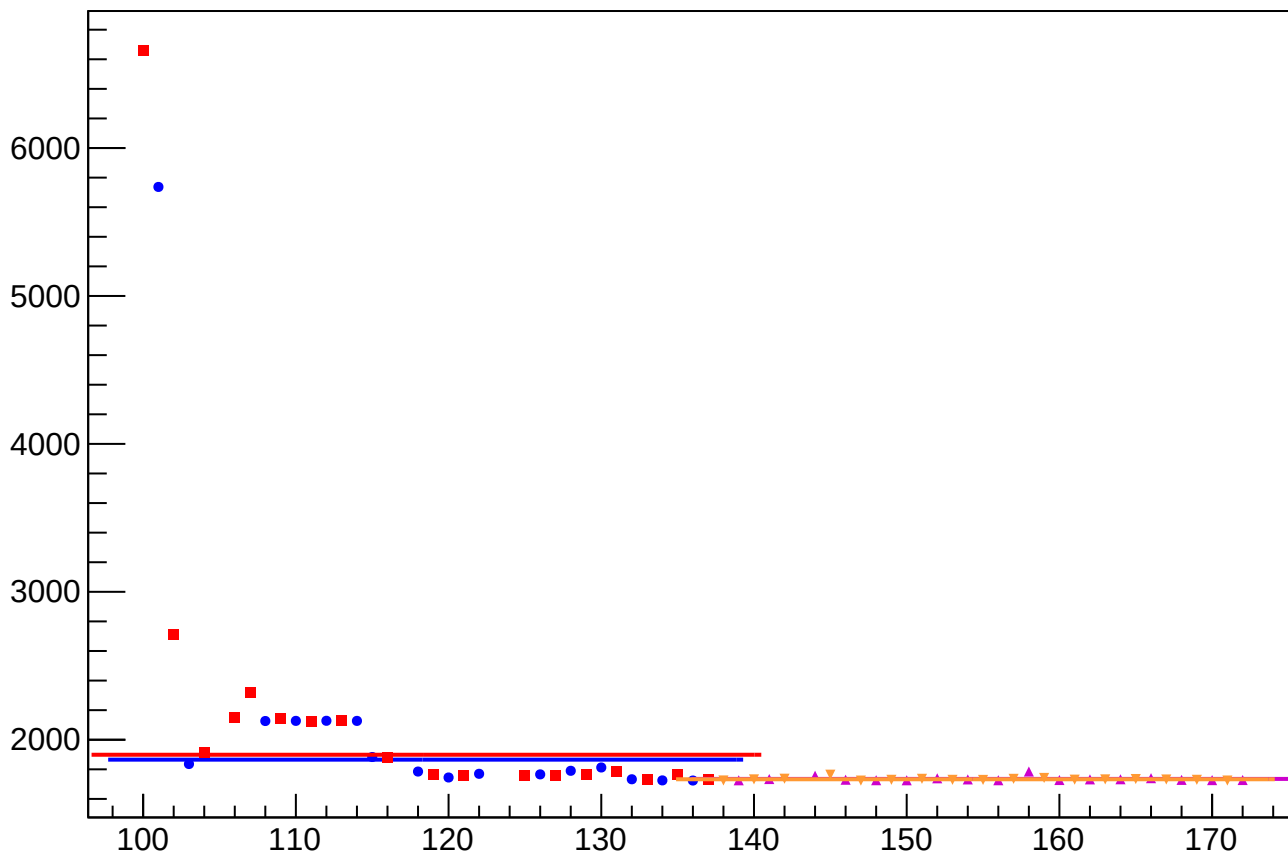
Left In: -218.039 ± 463.183 χ^2/NDF : 24.0/16

+ sign 216.335 ± 393.419 χ^2/NDF : 28.4/32

All: -47.050 ± 276.546 χ^2/NDF : 69.7/67

- sign -304.304 ± 388.813 χ^2/NDF : 40.5/34

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

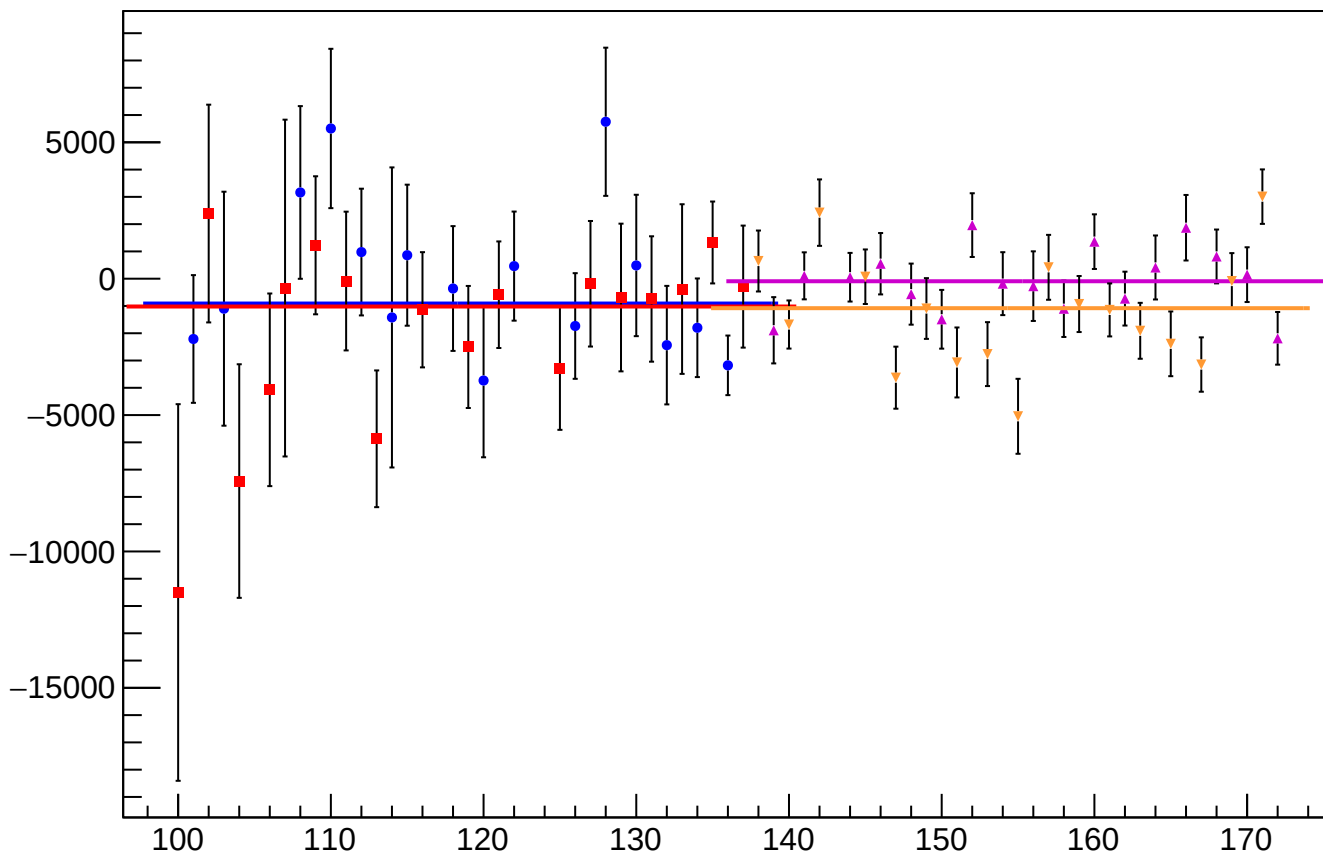
Left In: 1735.212+/-0.328 χ^2/NDF : 2008.9/16

+ sign 1773.567+/-0.278 χ^2/NDF : 724040.2/32

All: 1778.576+/-0.196 χ^2/NDF : 1069304.5/67

- sign 1783.469+/-0.275 χ^2/NDF : 344623.3/34

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



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

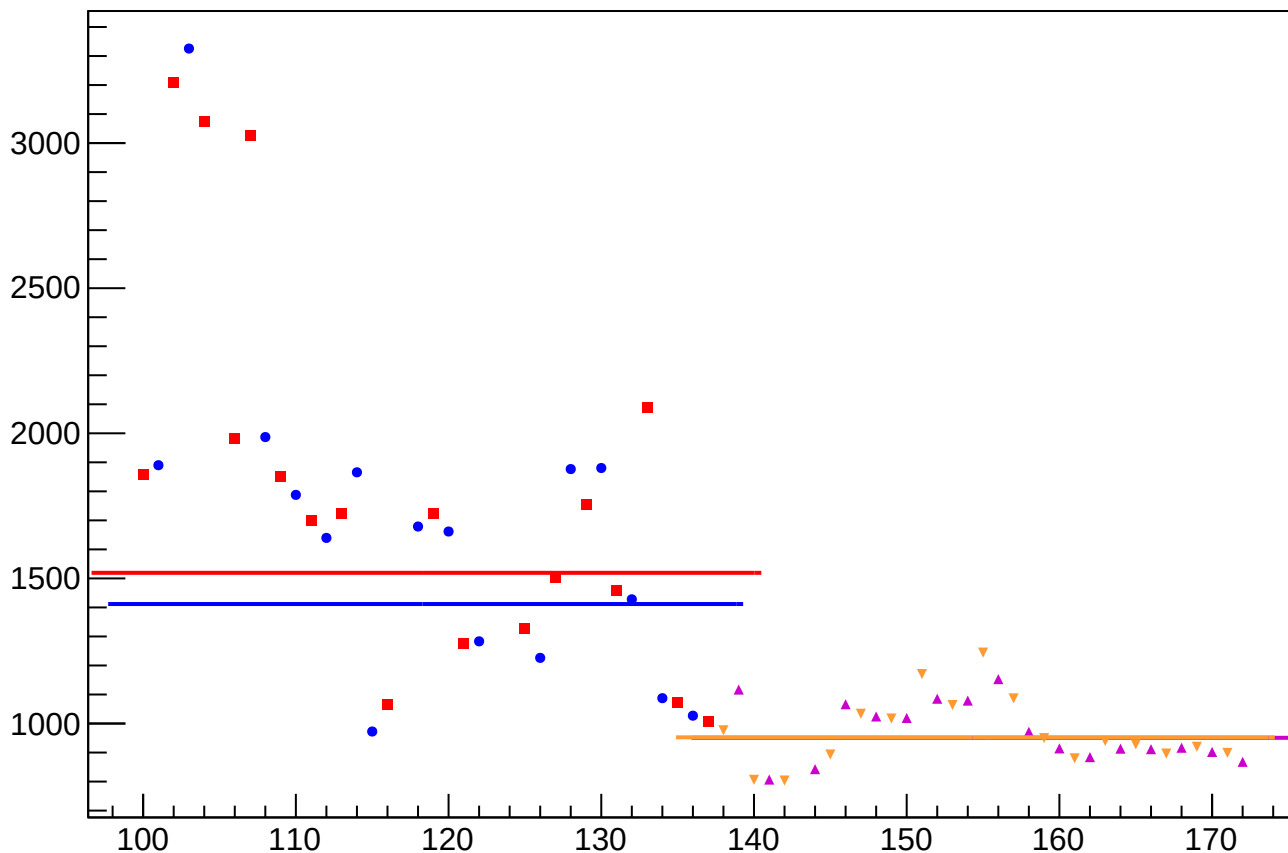
Left In: -93.579 ± 255.682 χ^2/NDF : 19.5/16

+ sign -1049.626 ± 236.744 χ^2/NDF : 76.8/32

All: -641.004 ± 166.676 χ^2/NDF : 119.2/67

- sign -239.406 ± 234.701 χ^2/NDF : 36.5/34

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1411.748 $\pm$ 0.389 χ^2 /NDF: 1177745.4/15

Left Out: 952.429 $\pm$ 0.185 χ^2 /NDF: 327675.5/16

Right Out: 1519.305 $\pm$ 0.418 χ^2 /NDF: 1360145.6/17

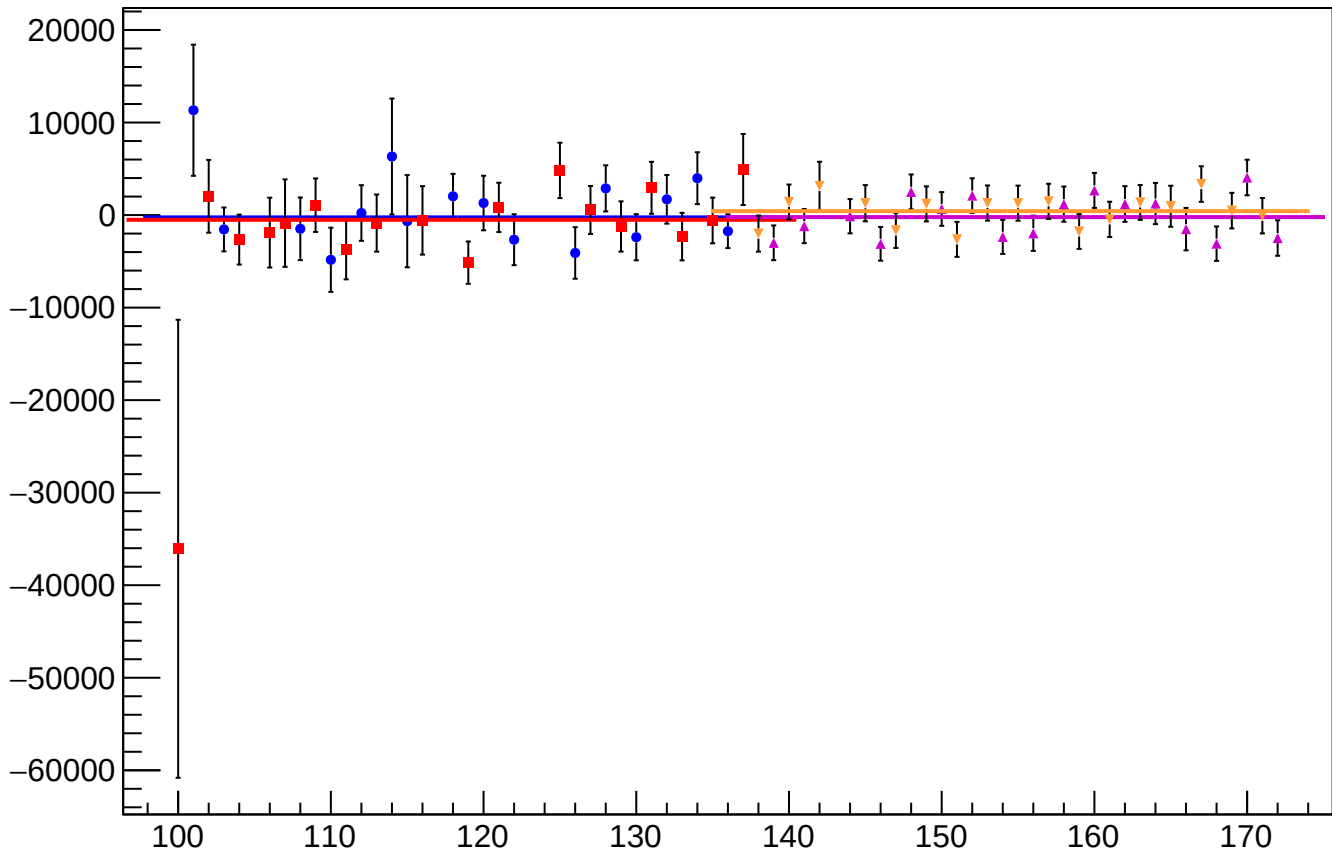
Left In: 950.808 $\pm$ 0.181 χ^2 /NDF: 300394.1/16

+ sign 1037.274 $\pm$ 0.167 χ^2 /NDF: 2639181.7/32

All: 1038.792 $\pm$ 0.118 χ^2 /NDF: 5856054.8/67

- sign 1040.283 $\pm$ 0.166 χ^2 /NDF: 3216710.2/34

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

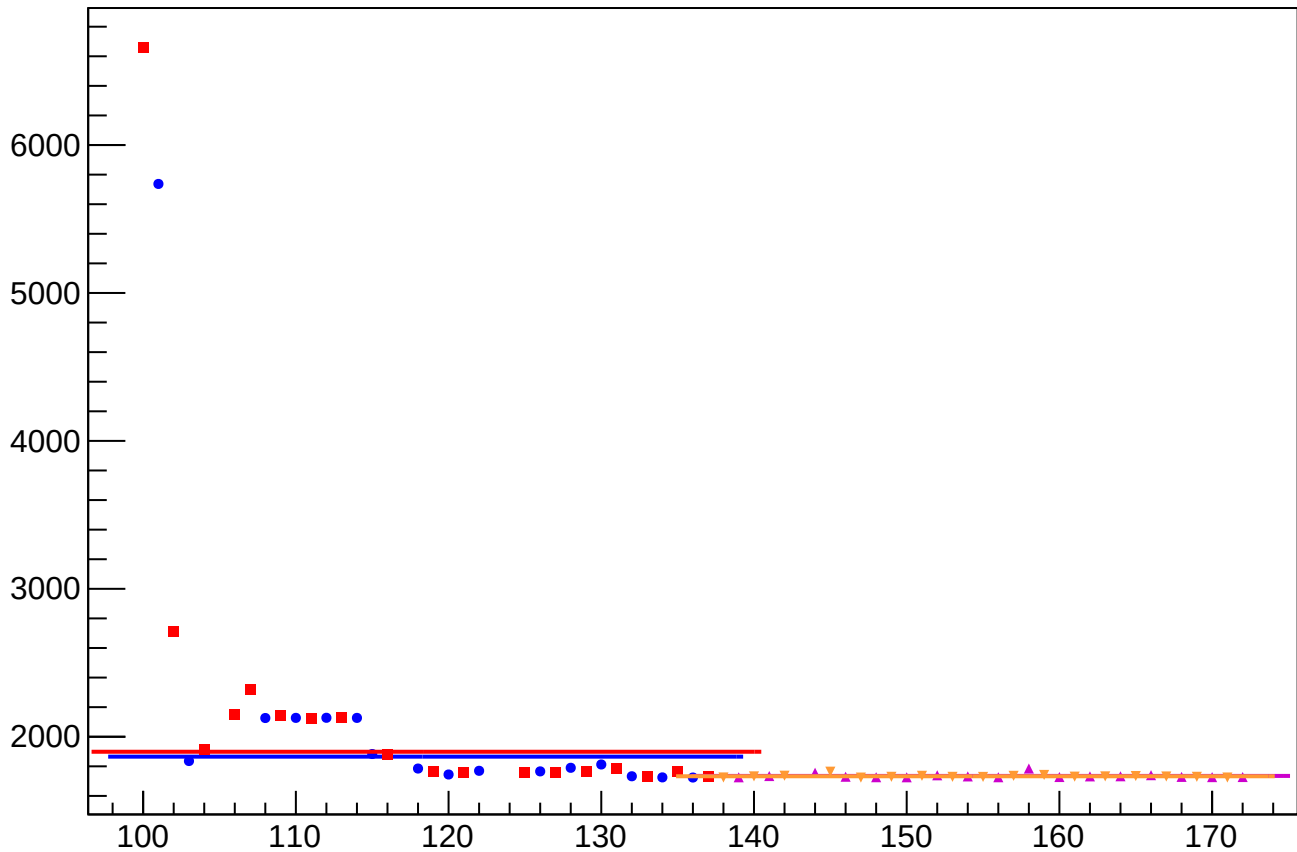
Left In: -218.040+/-463.183 χ^2/NDF : 24.0/16

+ sign 216.335+/-393.419 χ^2/NDF : 28.4/32

All: -47.050+/-276.546 χ^2/NDF : 69.7/67

- sign -304.304+/-388.813 χ^2/NDF : 40.5/34

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

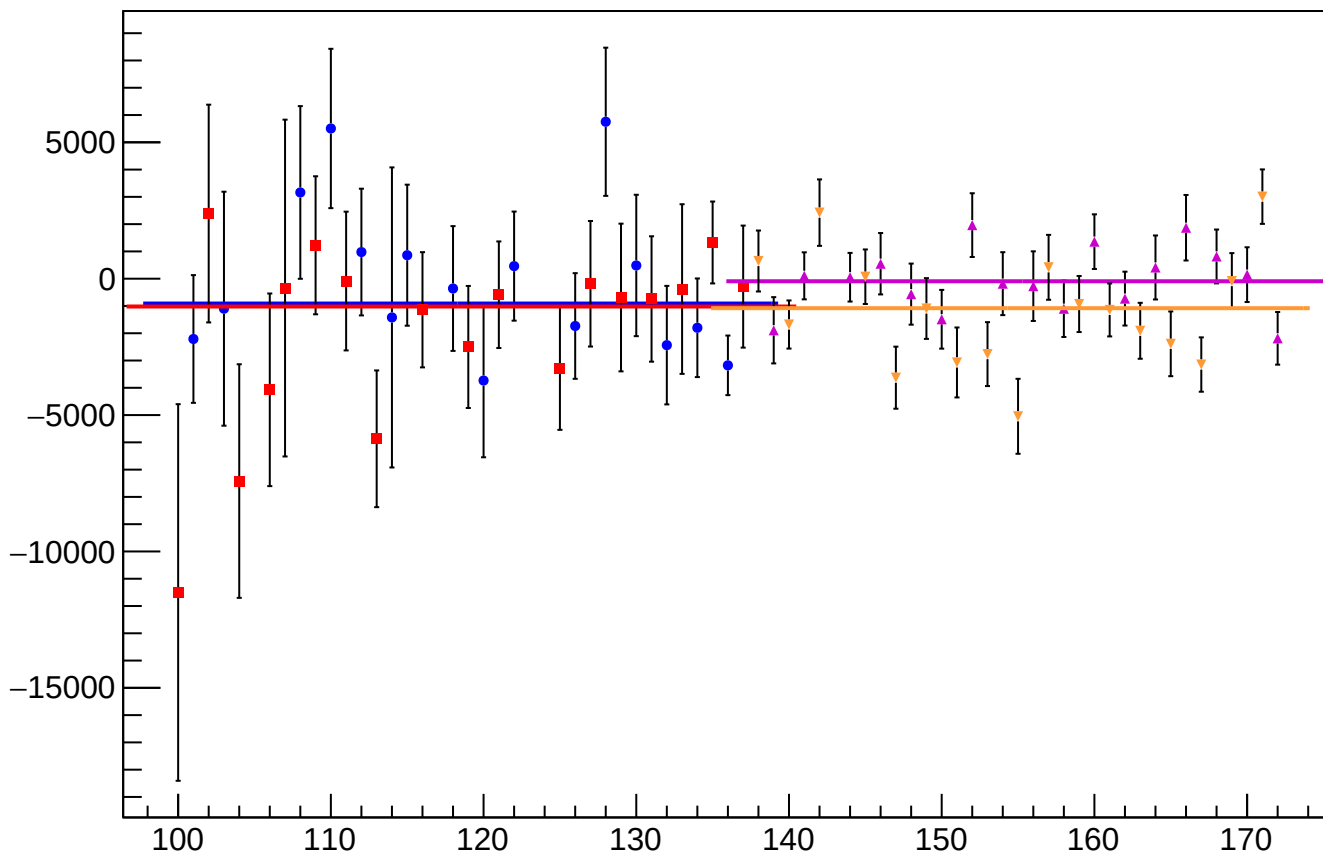
Left In: 1735.212+/-0.328 χ^2/NDF : 2008.9/16

+ sign 1773.567+/-0.278 χ^2/NDF : 724040.1/32

All: 1778.576+/-0.196 χ^2/NDF : 1069304.2/67

- sign 1783.469+/-0.275 χ^2/NDF : 344623.0/34

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -910.950 ± 550.835 χ^2/NDF : 21.0/15

Left Out: -1081.044 ± 262.196 χ^2/NDF : 55.8/16

Right Out: -1020.123 ± 591.599 χ^2/NDF : 14.9/17

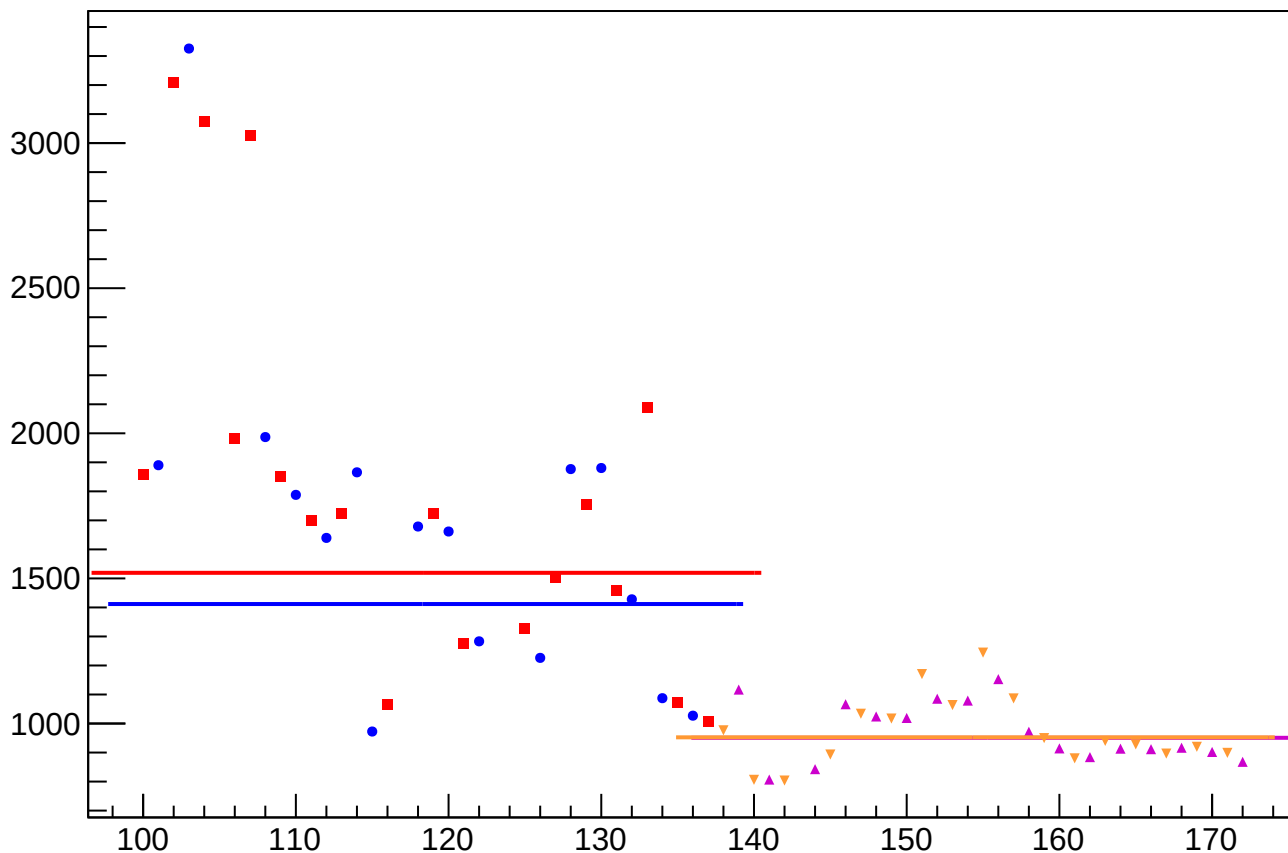
Left In: -93.577 ± 255.682 χ^2/NDF : 19.5/16

+ sign -1049.624 ± 236.744 χ^2/NDF : 76.8/32

All: -641.002 ± 166.676 χ^2/NDF : 119.2/67

- sign -239.404 ± 234.701 χ^2/NDF : 36.5/34

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1411.745 $\pm$ 0.389 χ^2 /NDF: 1177746.1/15

Left Out: 952.428 $\pm$ 0.185 χ^2 /NDF: 327684.6/16

Right Out: 1519.302 $\pm$ 0.418 χ^2 /NDF: 1360150.0/17

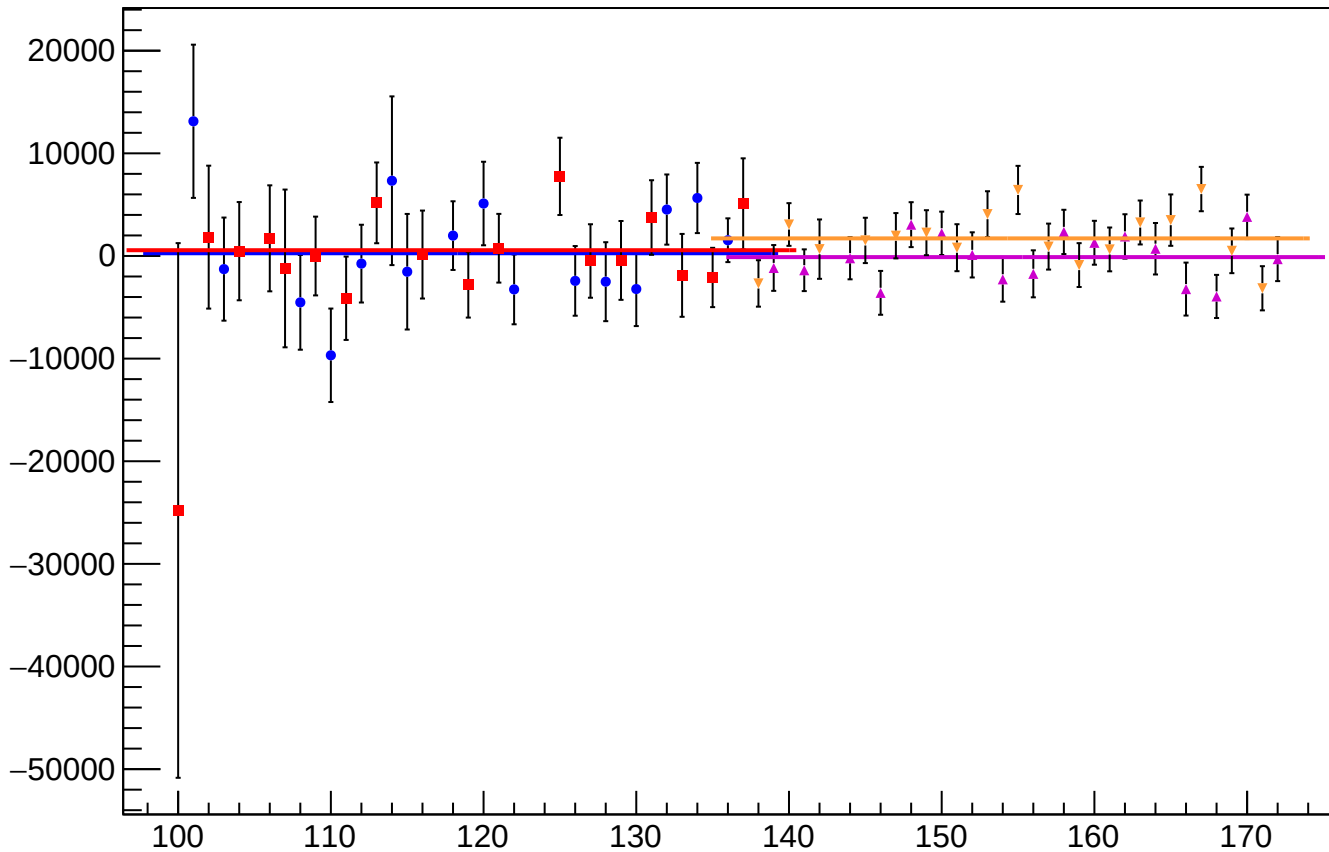
Left In: 950.808 $\pm$ 0.181 χ^2 /NDF: 300401.8/16

+ sign 1037.274 $\pm$ 0.167 χ^2 /NDF: 2639181.4/32

All: 1038.791 $\pm$ 0.118 χ^2 /NDF: 5856056.7/67

- sign 1040.283 $\pm$ 0.166 χ^2 /NDF: 3216712.4/34

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

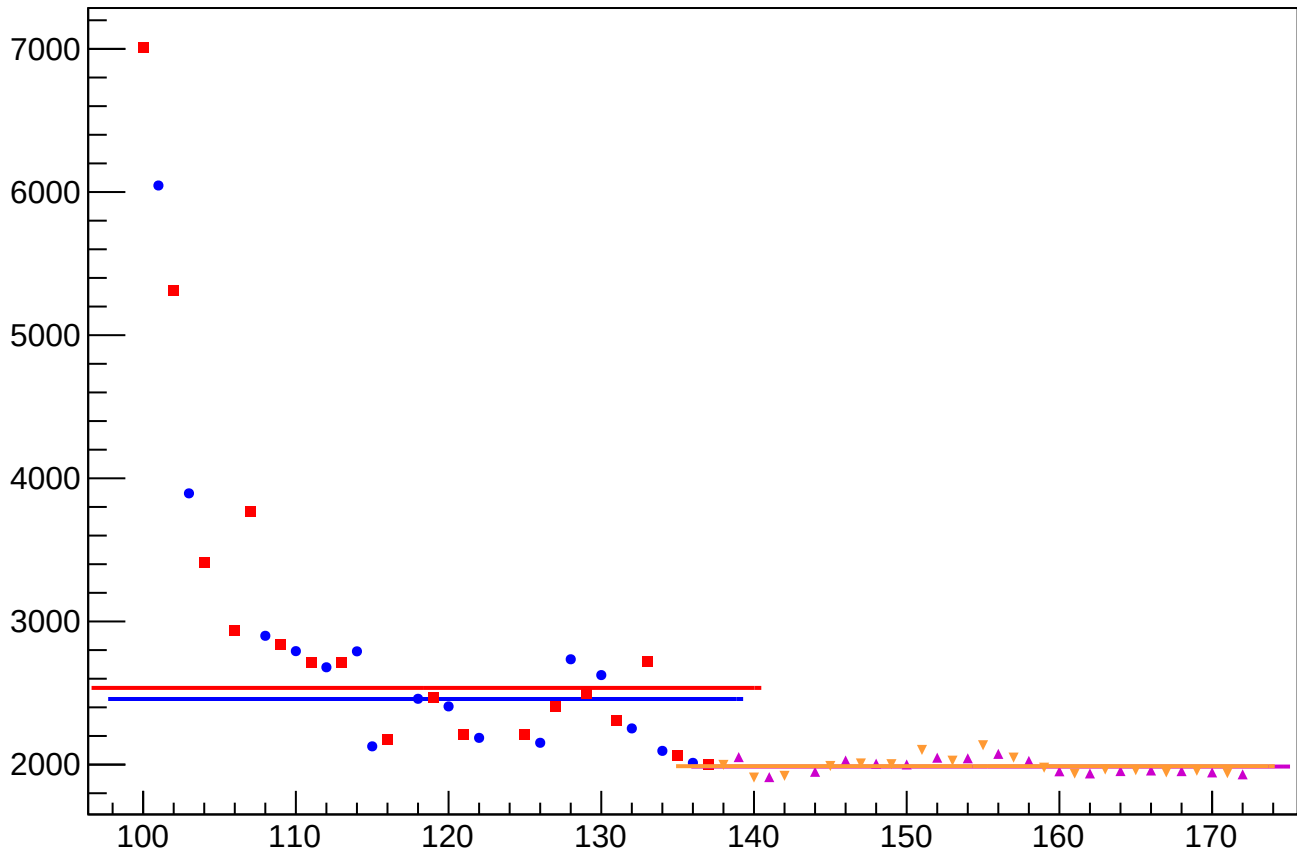
Left In: -110.677 ± 530.432 χ^2/NDF : 18.8/16

+ sign 1351.582 ± 470.288 χ^2/NDF : 43.8/32

All: 690.695 ± 330.517 χ^2/NDF : 78.7/67

- sign 45.676 ± 464.607 χ^2/NDF : 31.0/34

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

+ sign 2105.928+/-0.333 χ^2/NDF : 1228703.8/32

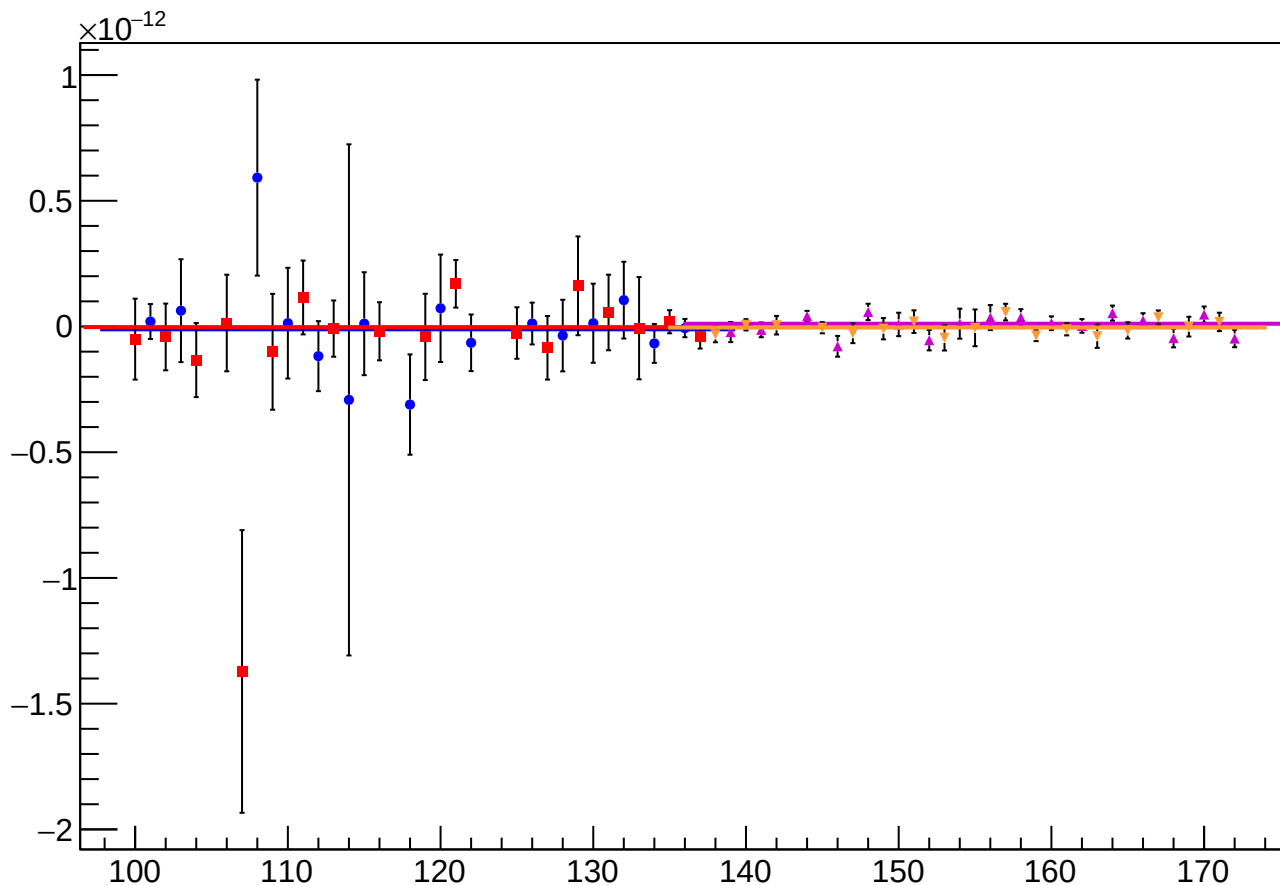
Right Out: 2535.782+/-0.681 χ^2/NDF : 673337.1/17

All: 2110.143+/-0.234 χ^2/NDF : 2419074.7/67

- sign 2114.256+/-0.329 χ^2/NDF : 1190053.5/34

Left In: 1986.351+/-0.375 χ^2/NDF : 17176.7/16

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 7.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.0/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/17

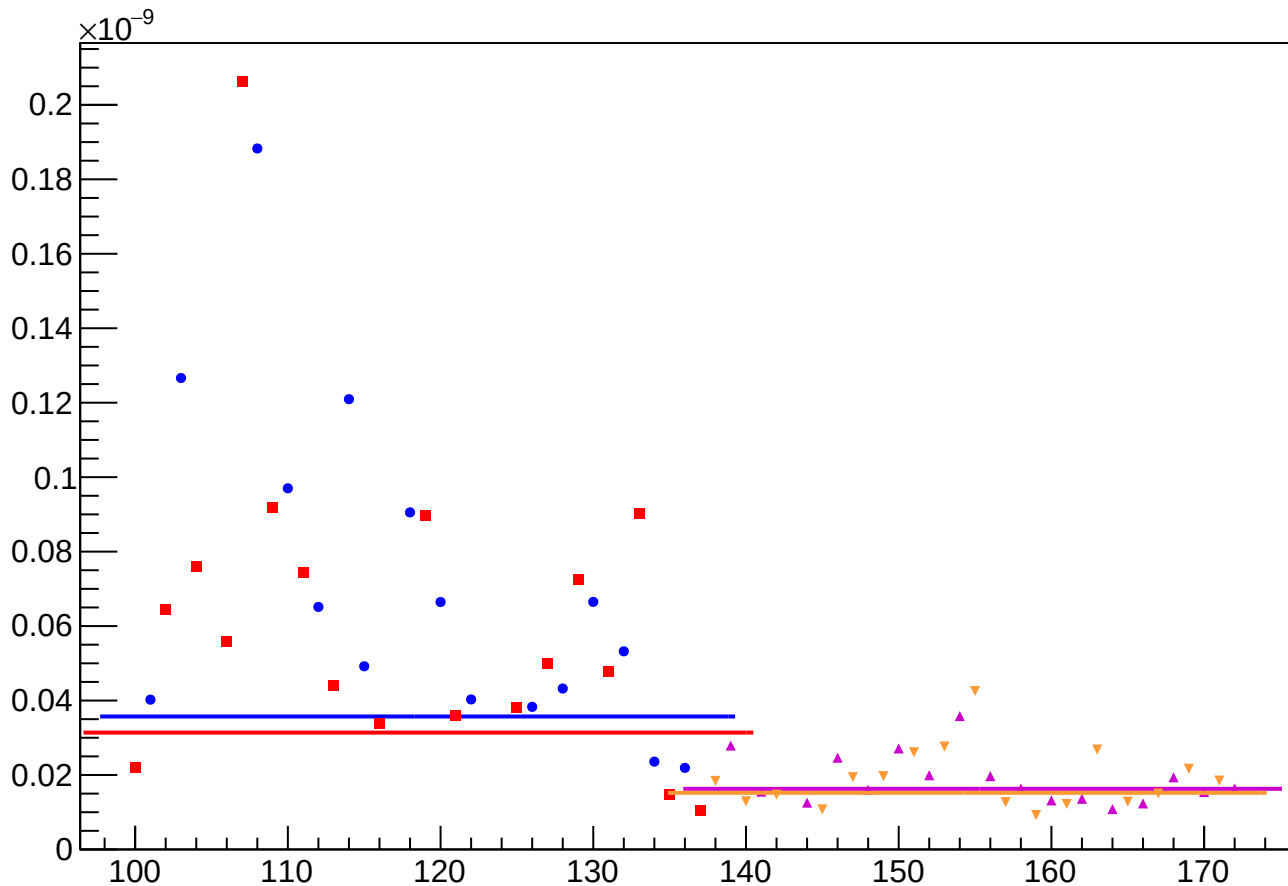
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 56.3/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/34

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1620217.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1076844.8/16

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2068272.1/17

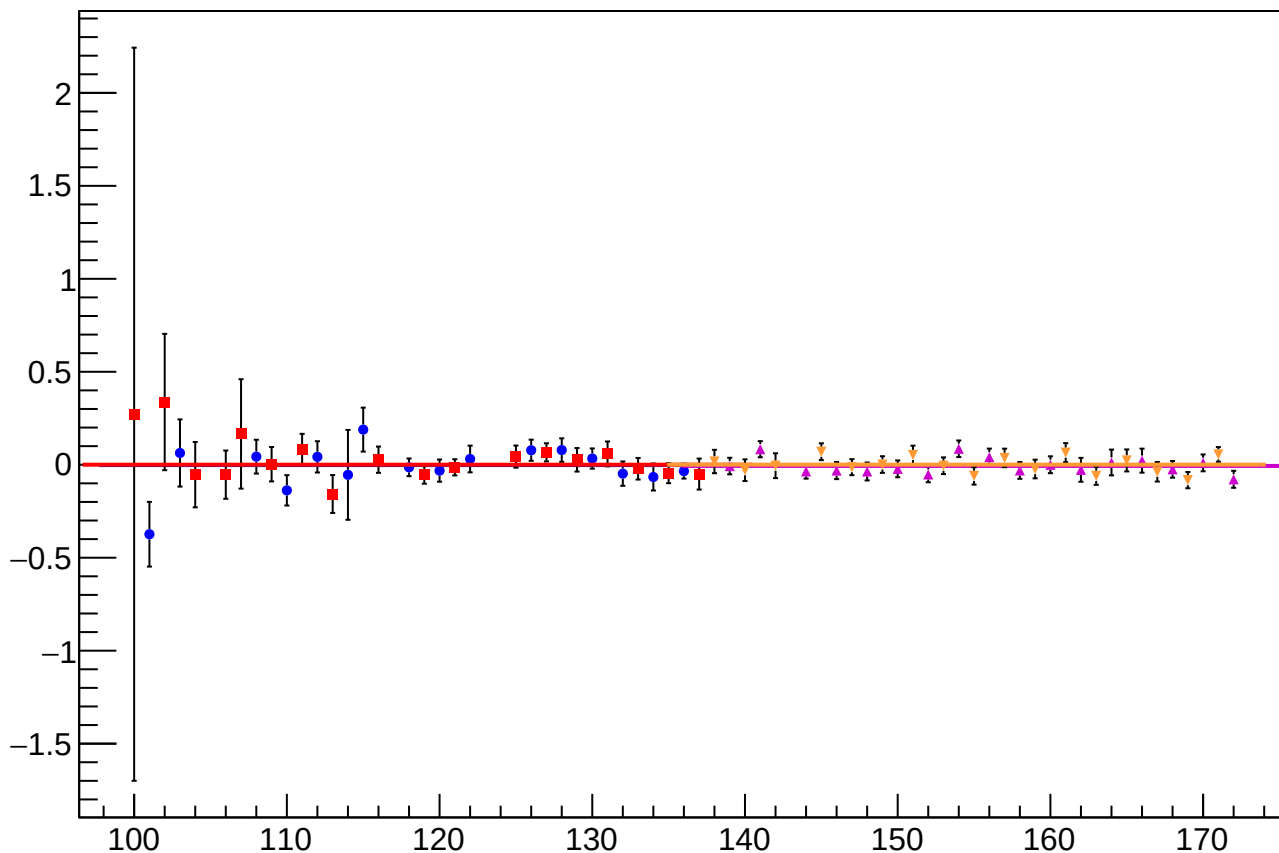
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :826435.5/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3968709.1/32

All: 0.000 $\pm$ 0.000 χ^2/NDF : 7566408.0/67

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3589121.0/34

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: 0.000 ± 0.012 χ^2/NDF : 15.7/16

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

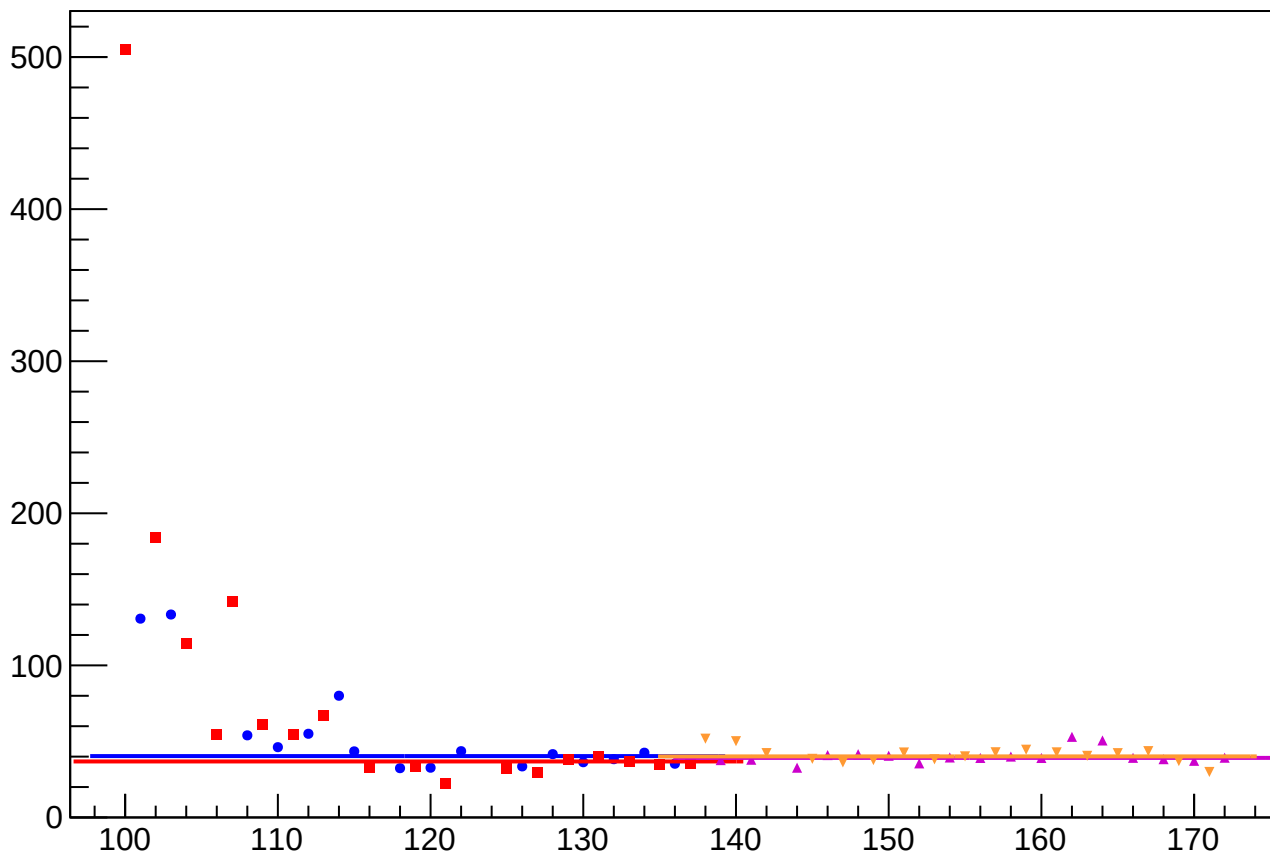
Left In: -0.006 ± 0.011 χ^2/NDF : 15.6/16

+ sign -0.000 ± 0.010 χ^2/NDF : 32.9/32

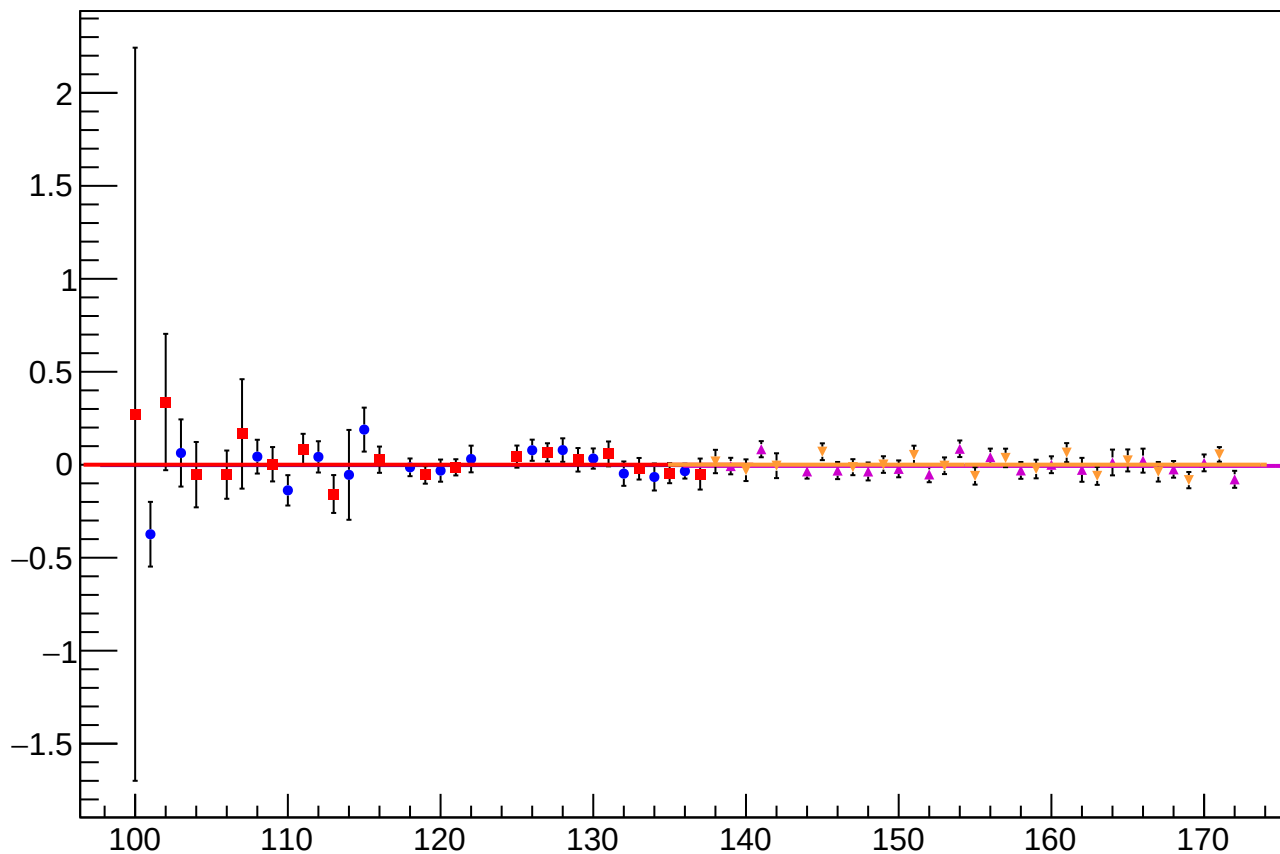
All: -0.002 ± 0.007 χ^2/NDF : 59.6/67

- sign -0.004 ± 0.009 χ^2/NDF : 26.7/34

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



asym_us_dd_at1lr_dd_dd_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

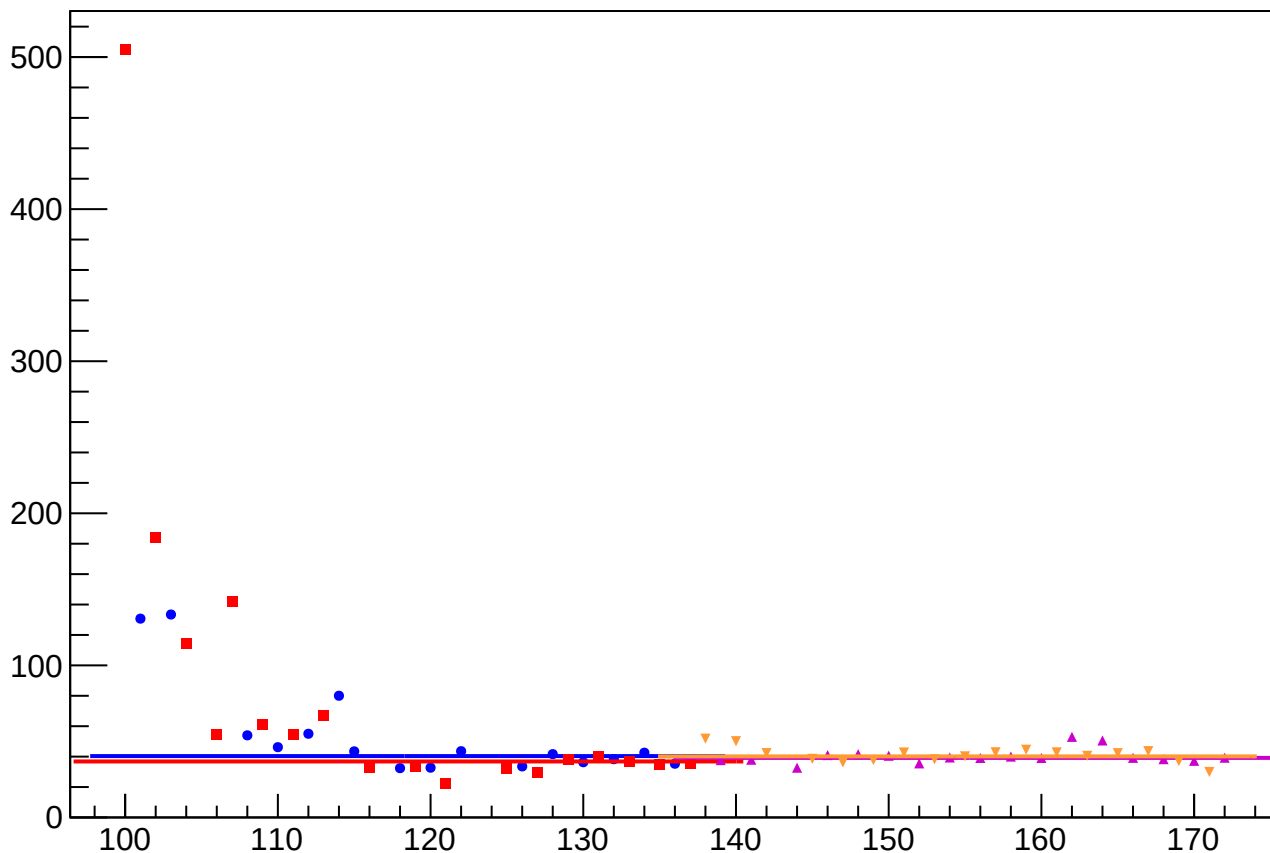
Left In: -0.006 ± 0.011 χ^2/NDF : 15.6/16

+ sign -0.000 ± 0.010 χ^2/NDF : 32.9/32

All: -0.002 ± 0.007 χ^2/NDF : 59.6/67

- sign -0.004 ± 0.009 χ^2/NDF : 26.7/34

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

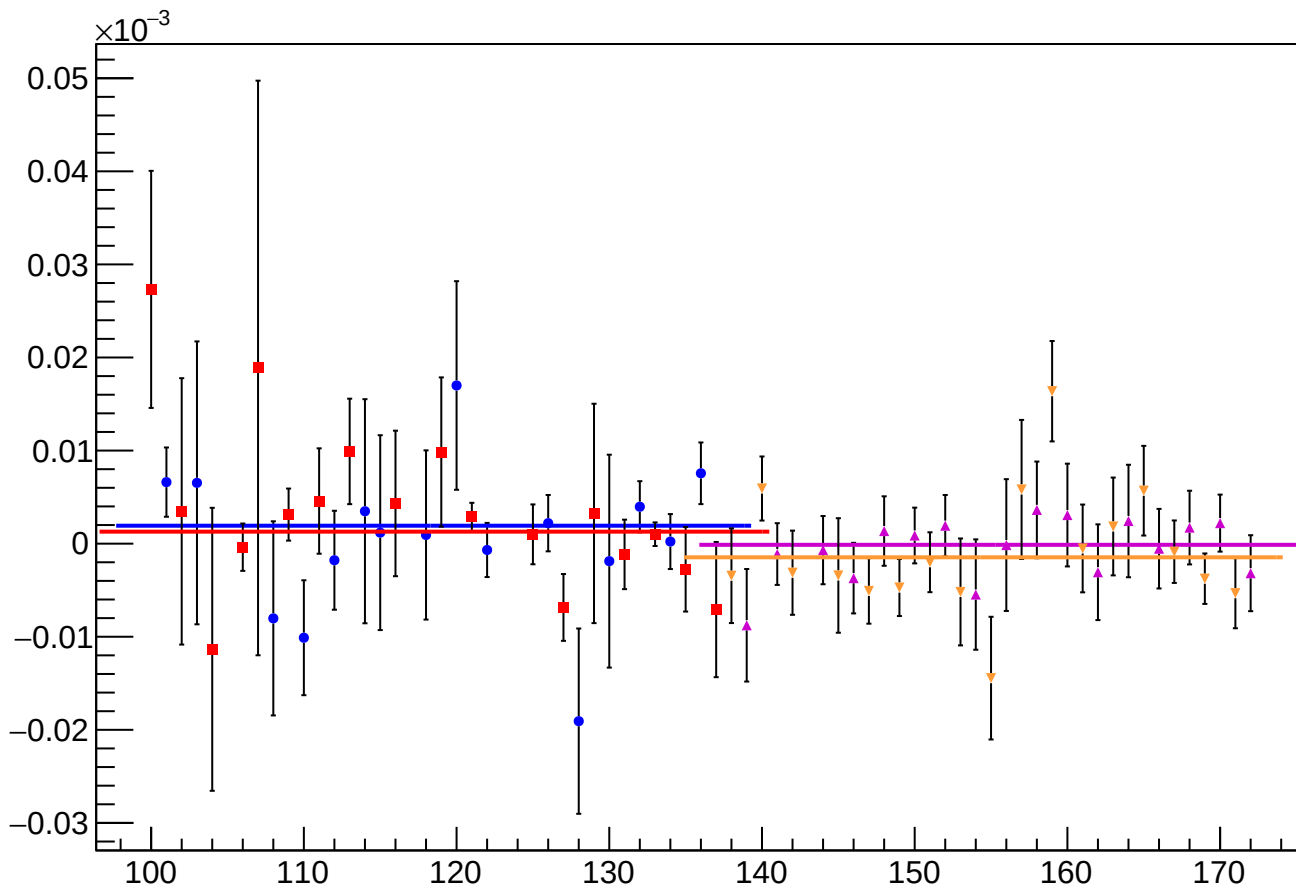
Left In: 39.162+/-0.008 χ^2/NDF : 236003.9/16

+ sign 40.216+/-0.007 χ^2/NDF : 1755832.3/32

All: 39.284+/-0.005 χ^2/NDF : 3890995.9/67

- sign 38.421+/-0.007 χ^2/NDF : 2099987.4/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

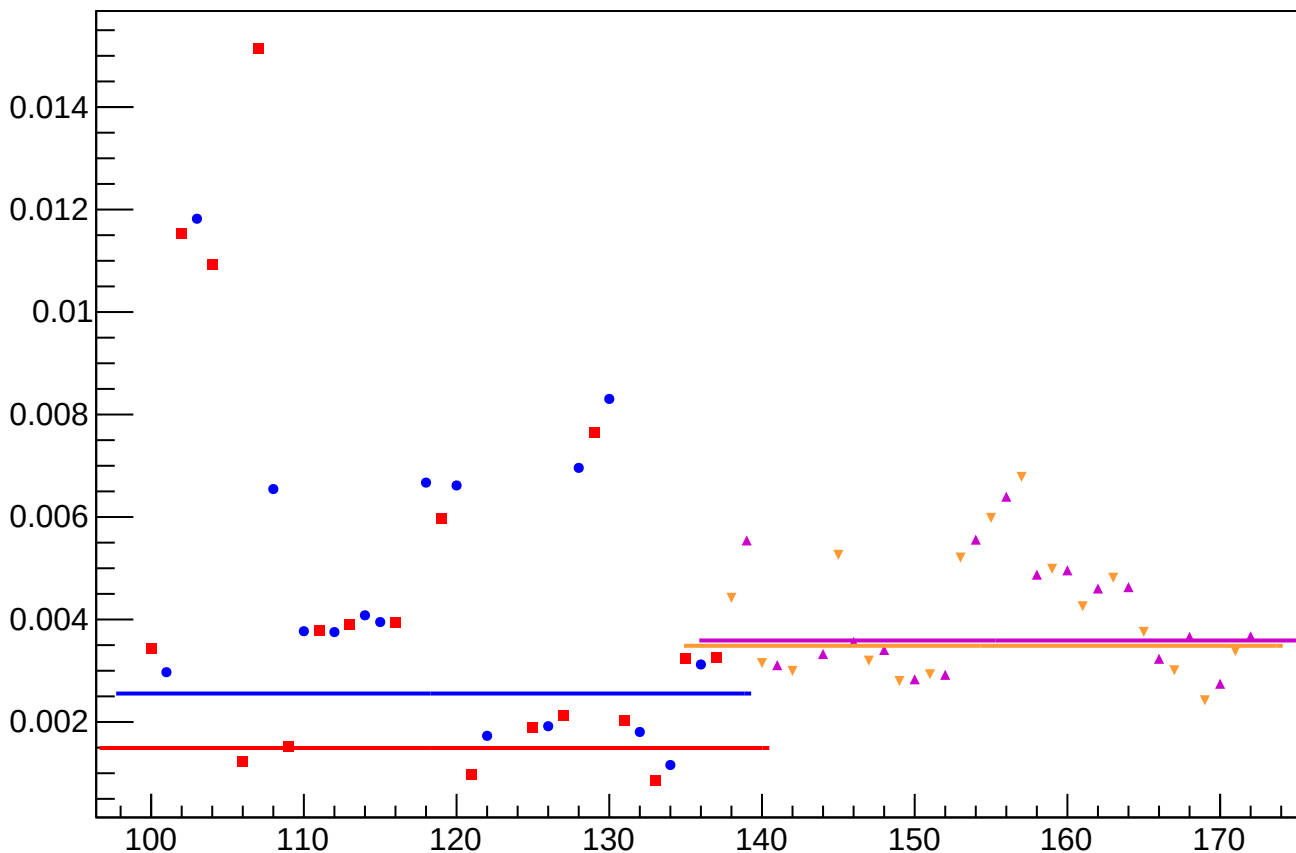
Left In: -0.000 ± 0.000 χ^2/NDF : 7.2/16

+ sign 0.000 ± 0.000 χ^2/NDF : 50.7/32

All: 0.000 ± 0.000 χ^2/NDF : 78.8/67

- sign 0.000 ± 0.000 χ^2/NDF : 27.4/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

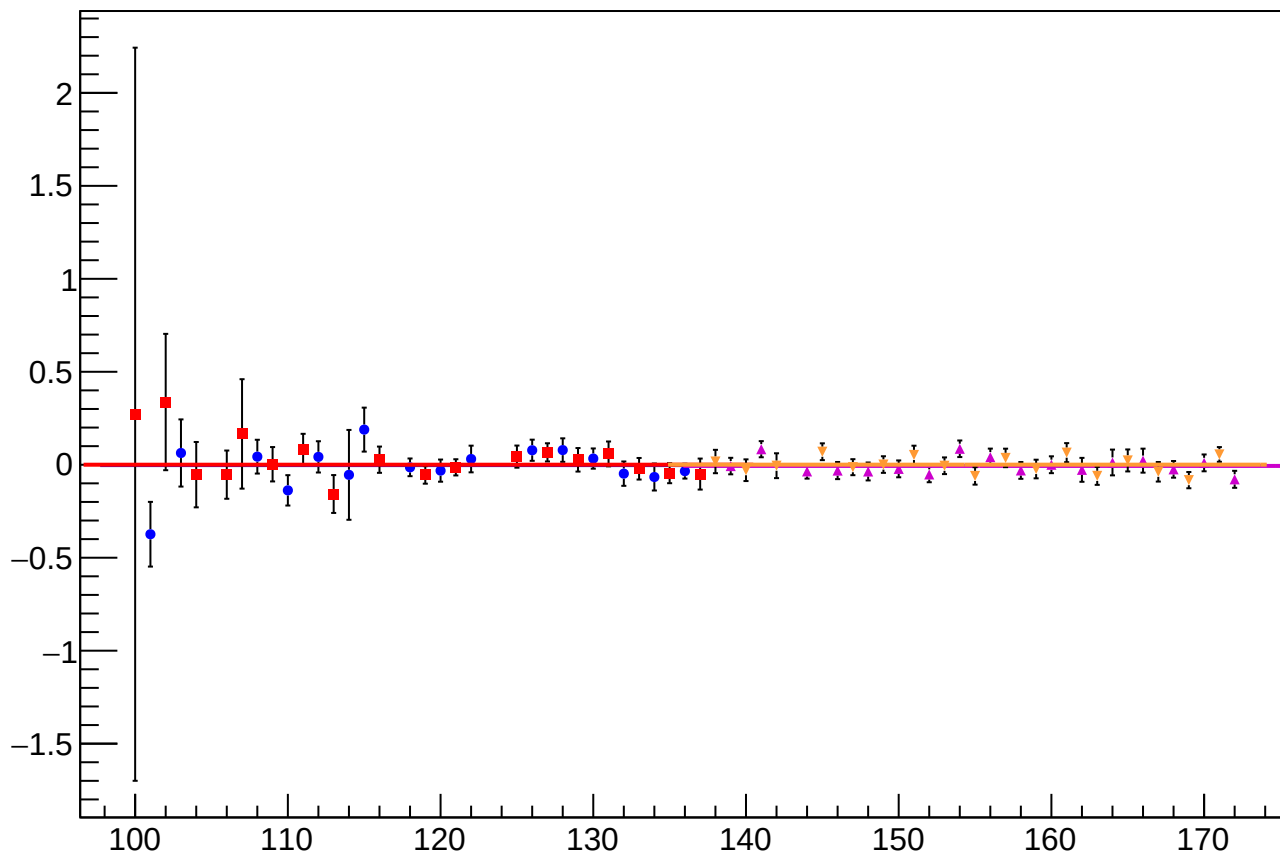
Left In: 0.004+/-0.000 χ^2/NDF : 1560951.4/16

+ sign 0.003+/-0.000 χ^2/NDF : 6538548.8/32

All: 0.003+/-0.000 χ^2/NDF : 20805728.6/67

- sign 0.002+/-0.000 χ^2/NDF : 12771576.6/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.017 χ^2/NDF : 17.1/15

Left Out: 0.000 ± 0.012 χ^2/NDF : 15.7/16

Right Out: 0.000 ± 0.017 χ^2/NDF : 10.9/17

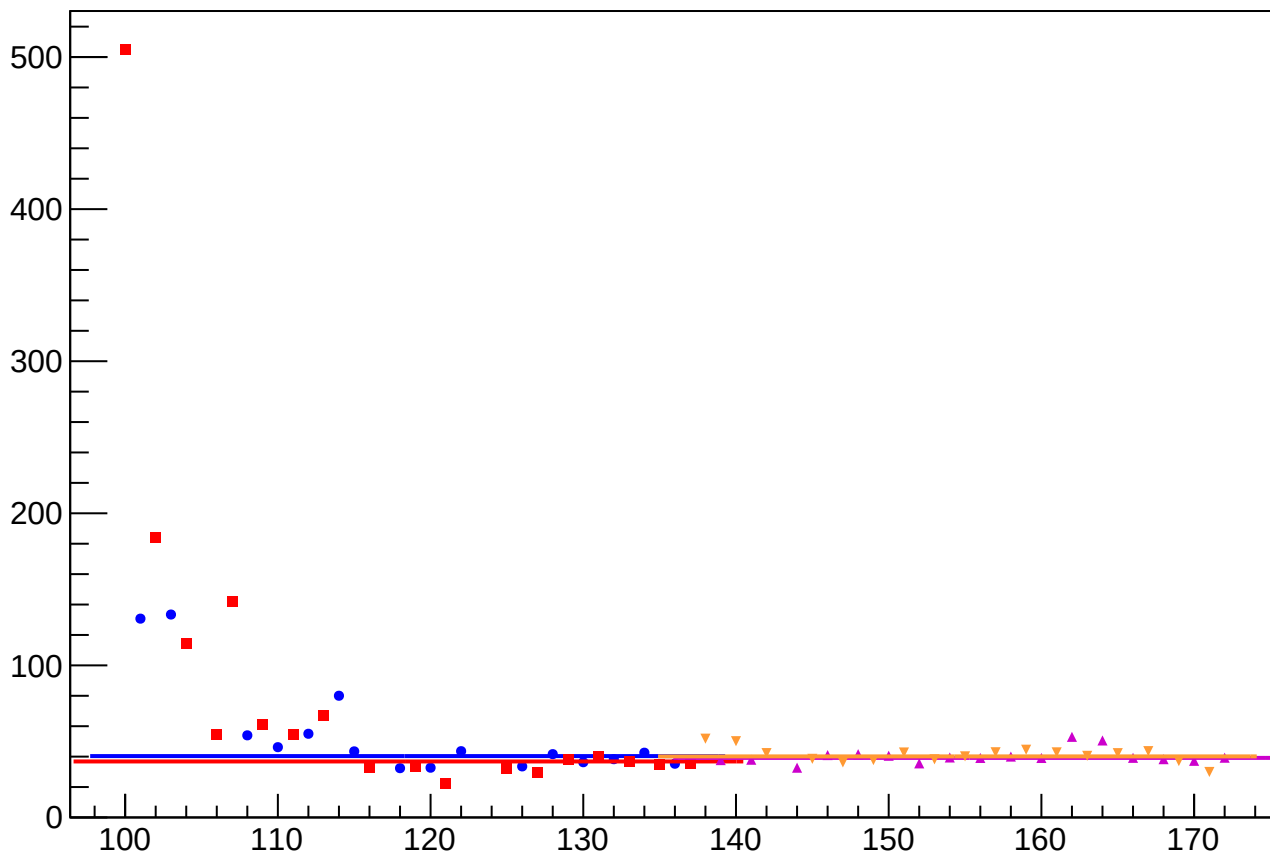
Left In: -0.006 ± 0.011 χ^2/NDF : 15.6/16

+ sign -0.000 ± 0.010 χ^2/NDF : 32.9/32

All: -0.002 ± 0.007 χ^2/NDF : 59.6/67

- sign -0.004 ± 0.009 χ^2/NDF : 26.7/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.352 $\pm$ 0.012 χ^2 /NDF: 1410036.7/15

Left Out: 40.150 $\pm$ 0.008 χ^2 /NDF: 345552.0/16

Right Out: 36.824 $\pm$ 0.012 χ^2 /NDF: 1837118.8/17

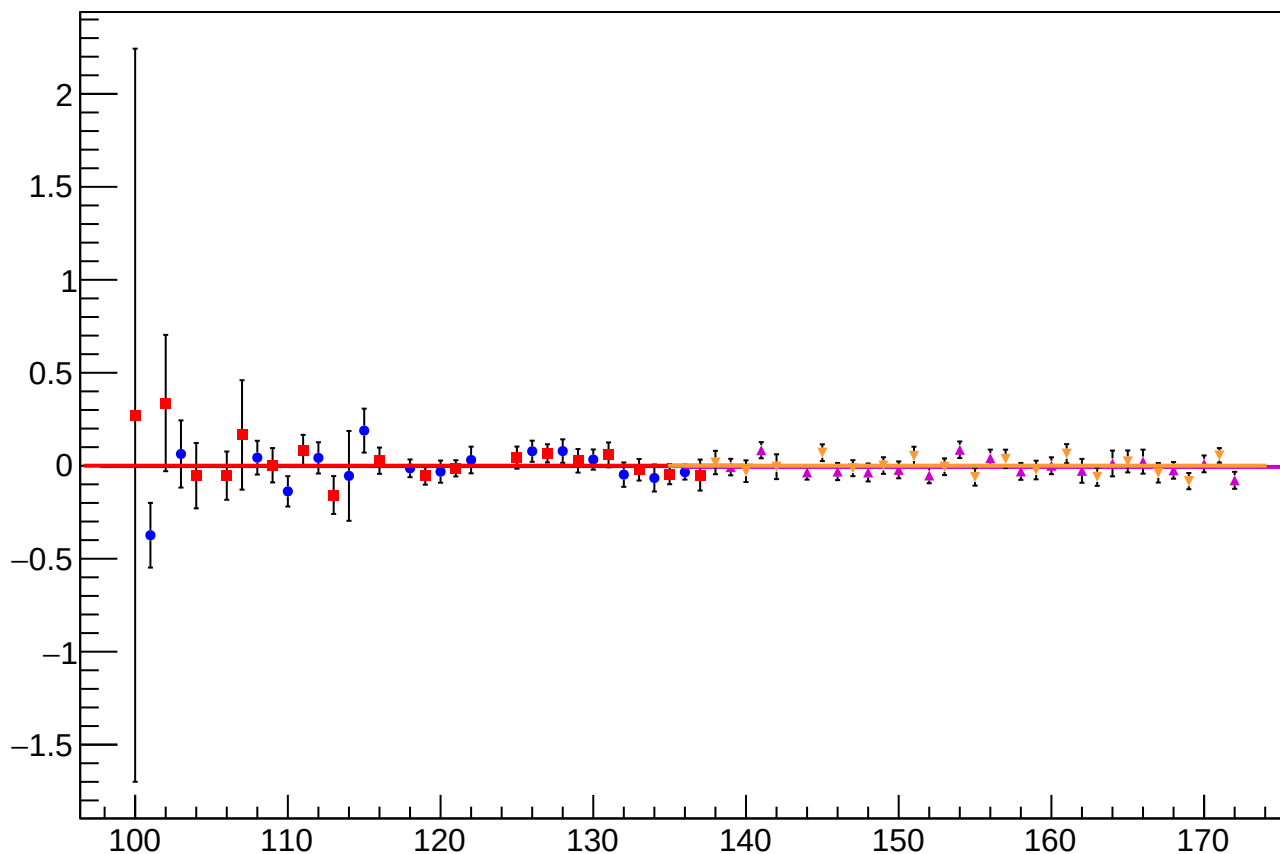
Left In: 39.162 $\pm$ 0.008 χ^2 /NDF: 235976.9/16

+ sign 40.216 $\pm$ 0.007 χ^2 /NDF: 1755777.2/32

All: 39.283 $\pm$ 0.005 χ^2 /NDF: 3890940.5/67

- sign 38.421 $\pm$ 0.007 χ^2 /NDF: 2099973.5/34

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

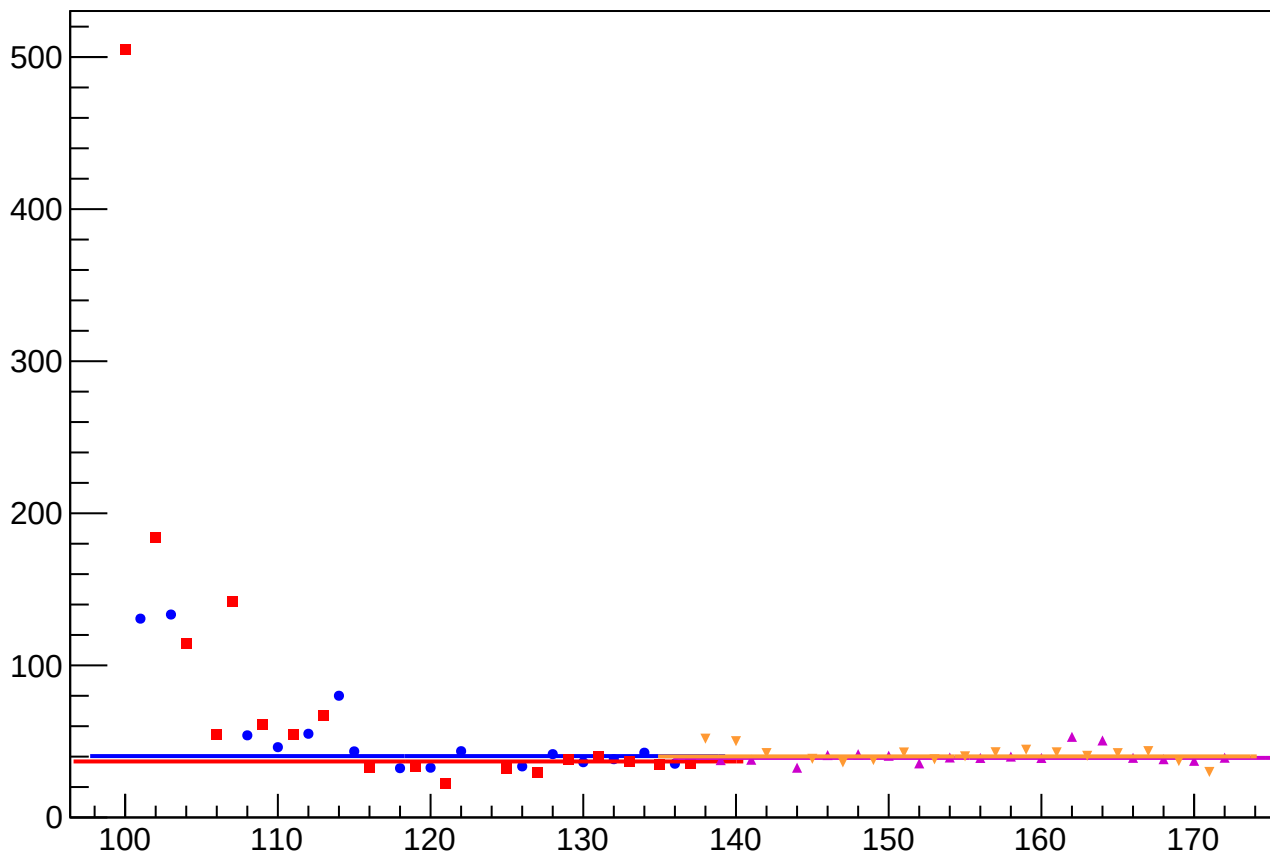
Left In: -0.006 ± 0.011 χ^2/NDF : 15.6/16

+ sign -0.000 ± 0.010 χ^2/NDF : 32.9/32

All: -0.002 ± 0.007 χ^2/NDF : 59.6/67

- sign -0.004 ± 0.009 χ^2/NDF : 26.7/34

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

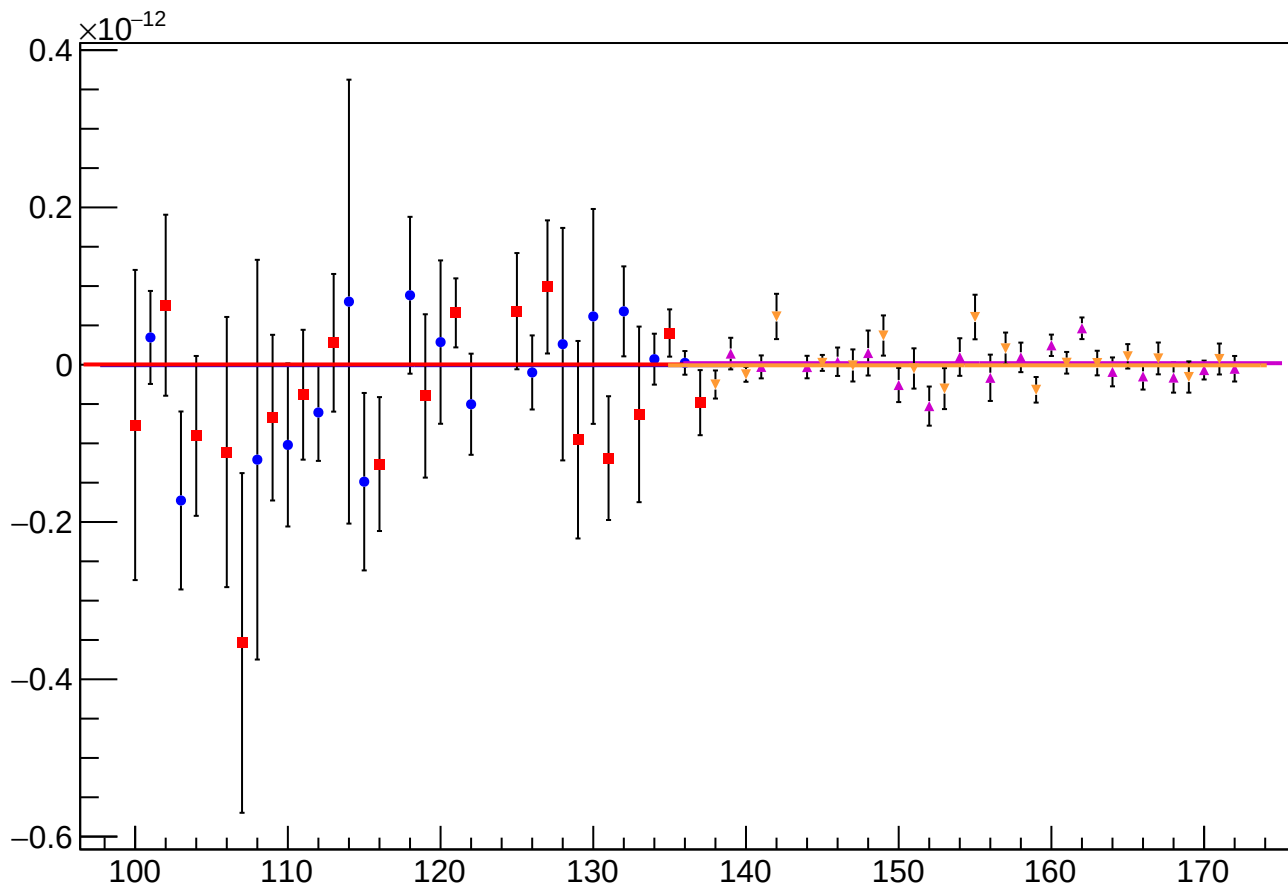
Left In: 39.162+/-0.008 χ^2/NDF : 235976.9/16

+ sign 40.216+/-0.007 χ^2/NDF : 1755777.2/32

All: 39.283+/-0.005 χ^2/NDF : 3890940.5/67

- sign 38.421+/-0.007 χ^2/NDF : 2099973.5/34

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/17

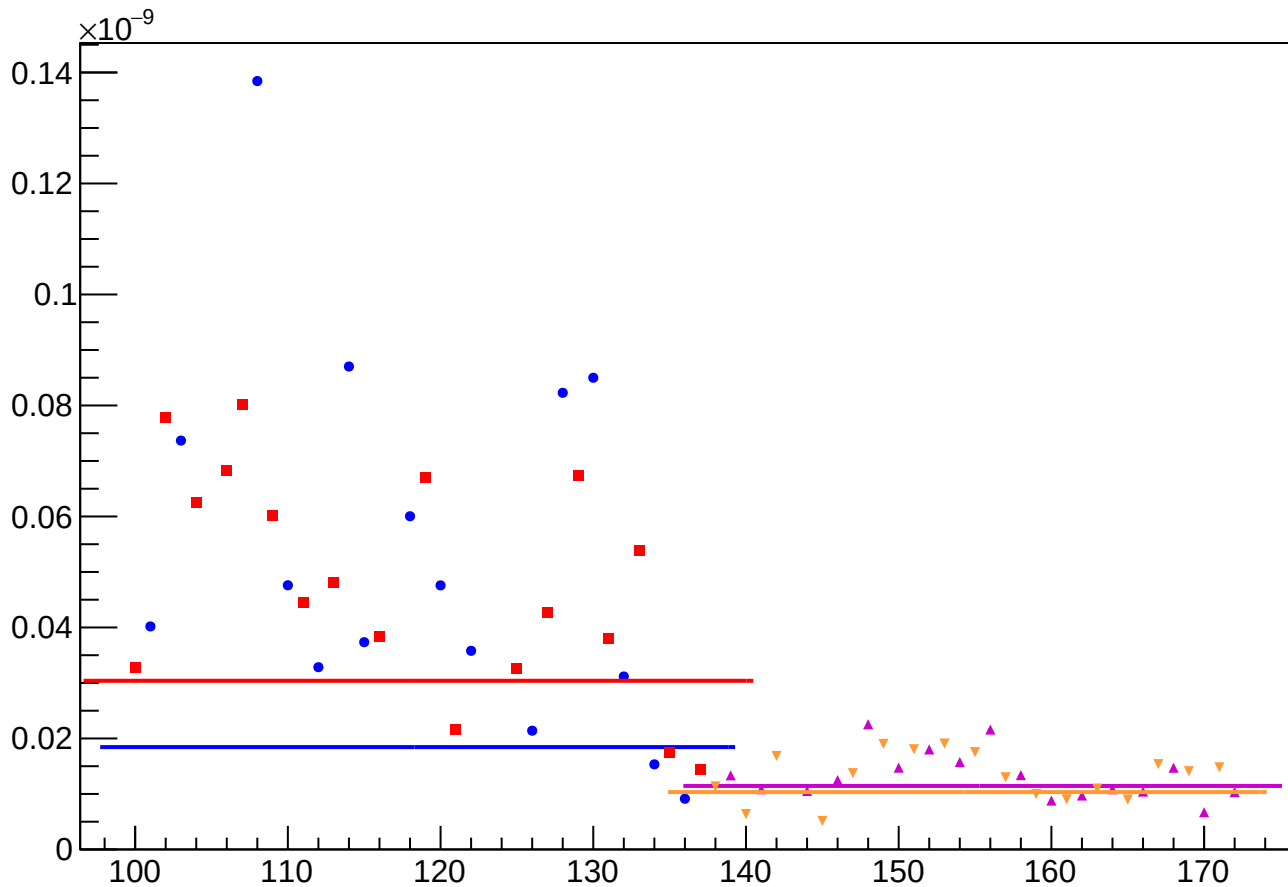
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.2/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/34

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4022915.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2178571.1/16

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2387224.9/17

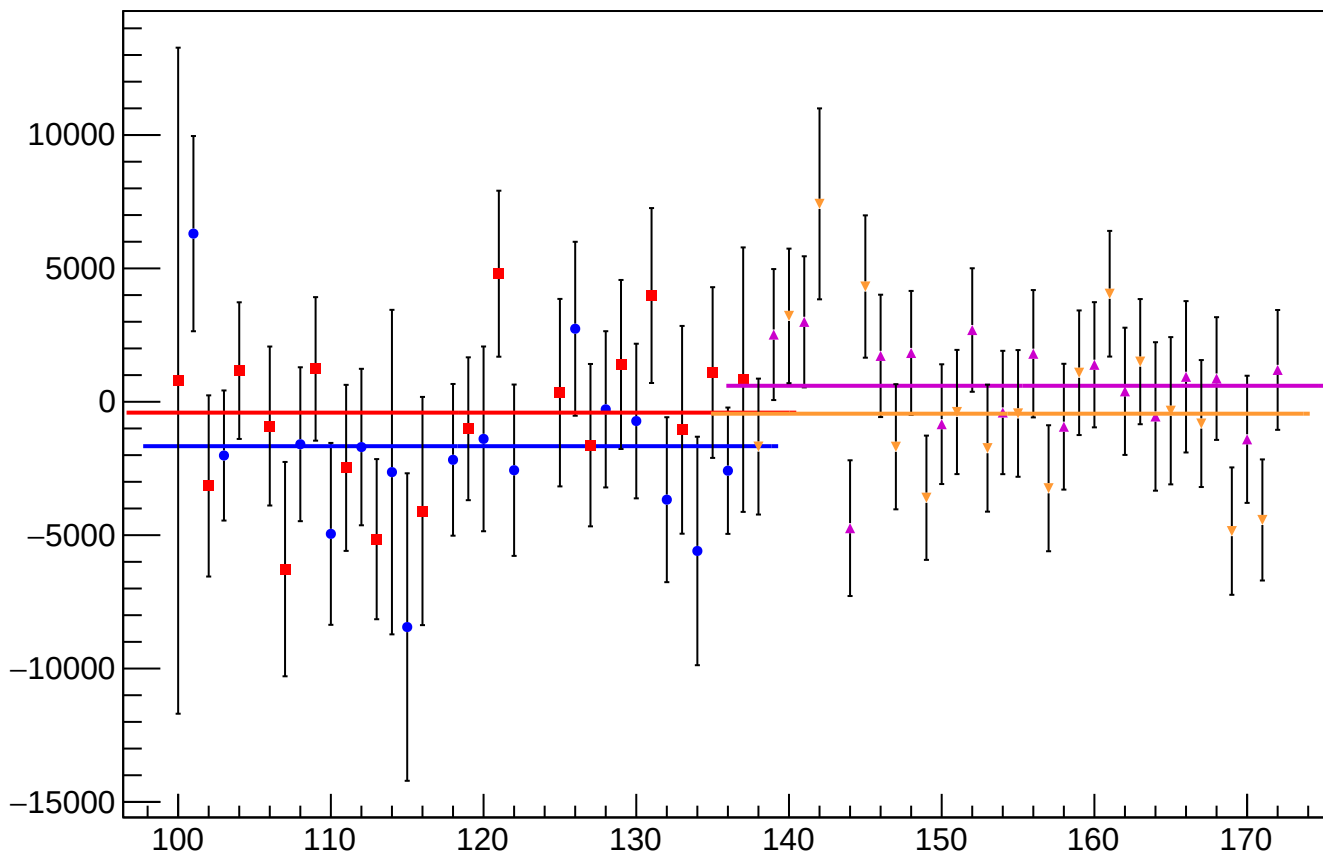
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1344879.2/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7077676.8/32

All: 0.000 $\pm$ 0.000 χ^2/NDF : 13419022.0/67

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6219886.6/34

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

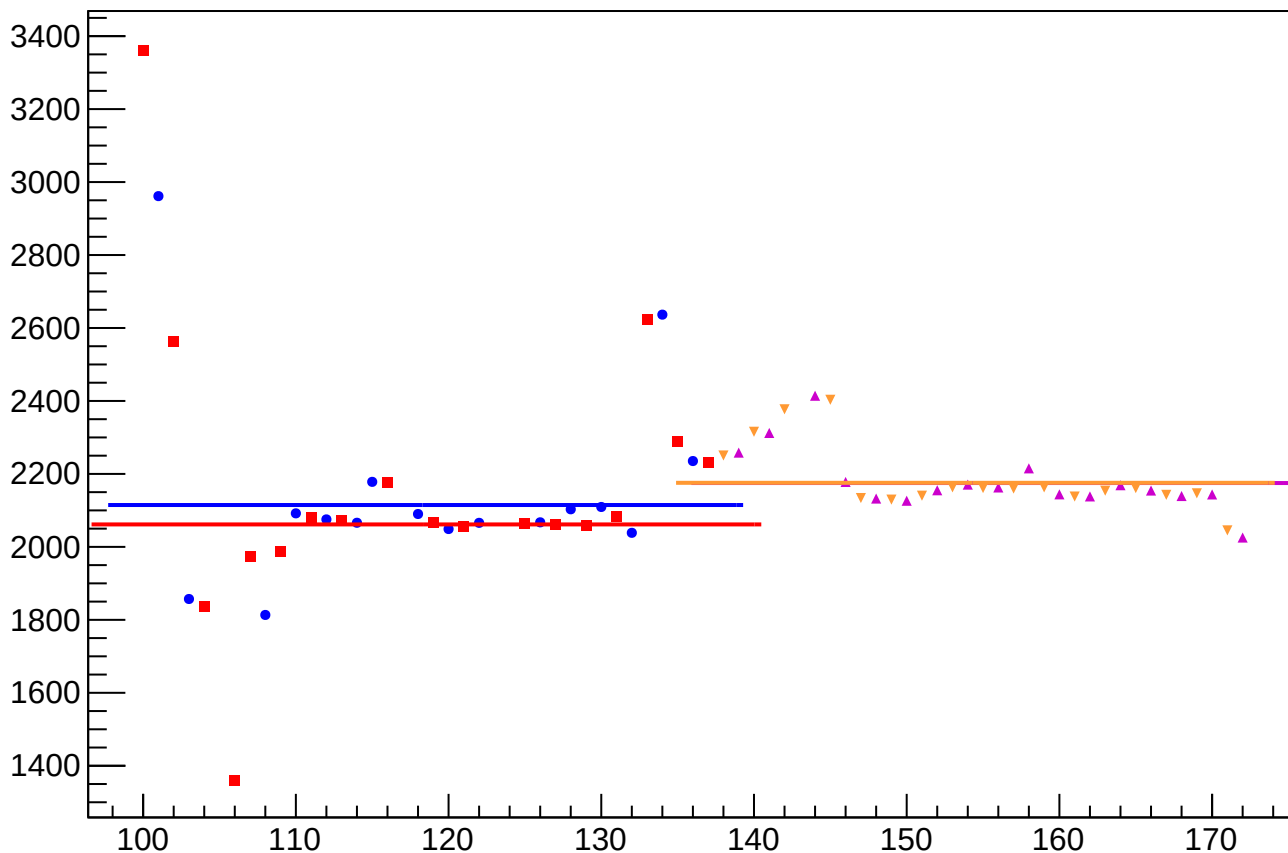
Left In: 599.967 ± 580.987 χ^2/NDF : 9.7/16

+ sign -884.607 ± 475.147 χ^2/NDF : 37.7/32

All: -311.069 ± 332.454 χ^2/NDF : 64.1/67

- sign 239.013 ± 465.330 χ^2/NDF : 23.5/34

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755 $\pm$ 0.560 χ^2 /NDF: 189920.6/15

Left Out: 2175.620 $\pm$ 0.420 χ^2 /NDF: 38938.3/16

Right Out: 2061.560 $\pm$ 0.550 χ^2 /NDF: 249186.6/17

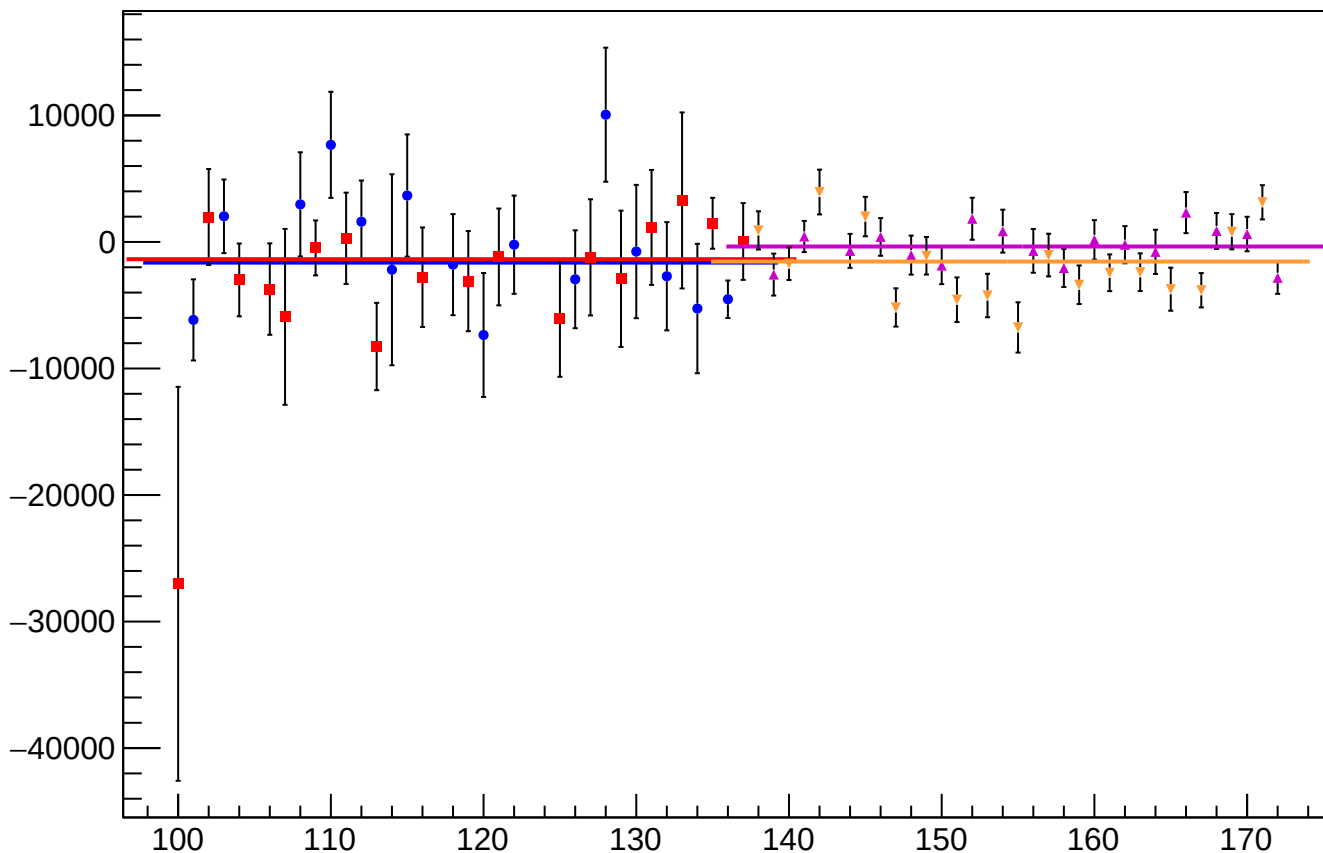
Left In: 2175.010 $\pm$ 0.411 χ^2 /NDF: 39238.9/16

+ sign 2153.722 $\pm$ 0.336 χ^2 /NDF: 236417.9/32

All: 2143.827 $\pm$ 0.235 χ^2 /NDF: 553883.7/67

- sign 2134.337 $\pm$ 0.329 χ^2 /NDF: 315766.5/34

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



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

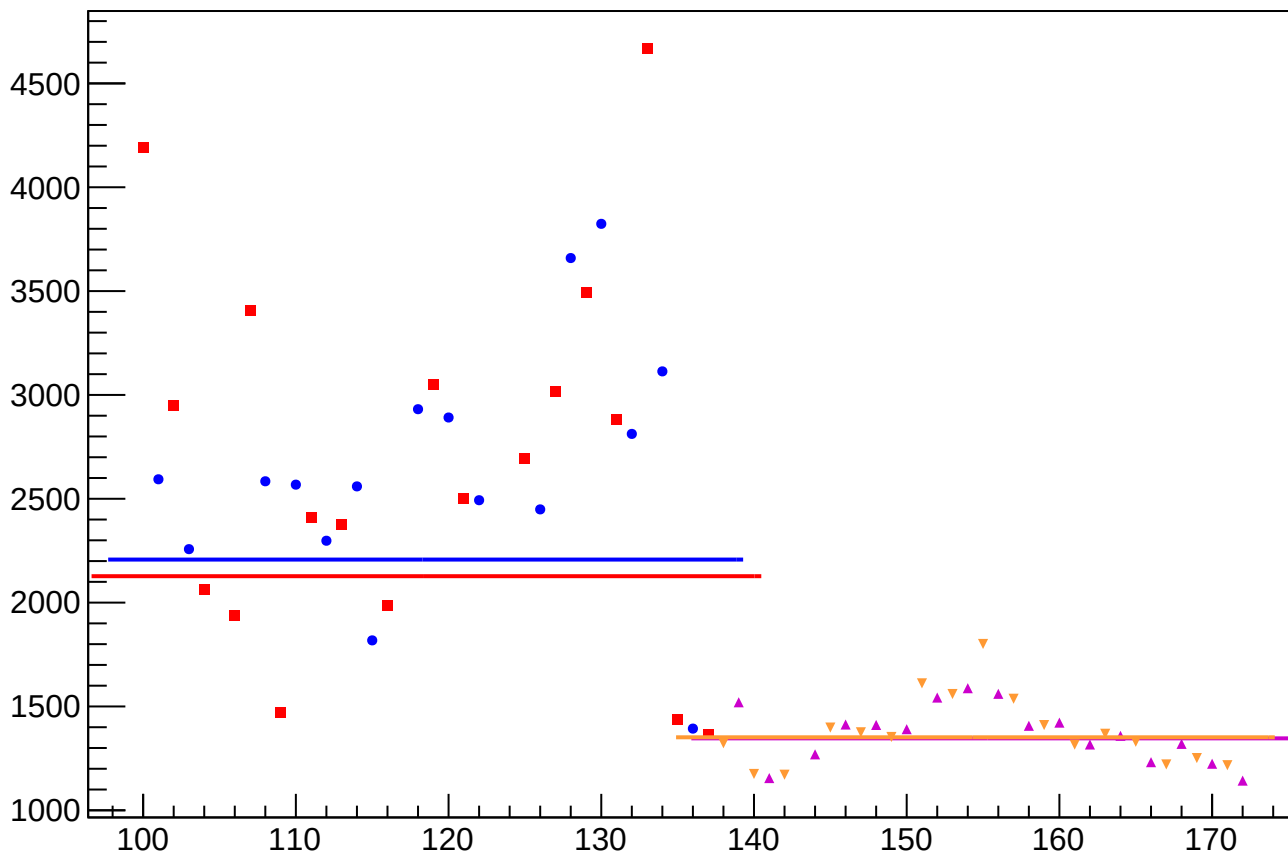
Left In: -360.467 ± 361.887 χ^2/NDF : 15.3/16

+ sign -1560.917 ± 341.382 χ^2/NDF : 80.0/32

All: -1025.067 ± 238.148 χ^2/NDF : 114.8/67

- sign -517.099 ± 332.382 χ^2/NDF : 30.0/34

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2207.254+/-0.610 χ^2/NDF : 1249266.5/15

Left Out: 1351.472+/-0.263 χ^2/NDF : 314177.1/16

Right Out: 2127.224+/-0.594 χ^2/NDF : 1458046.9/17

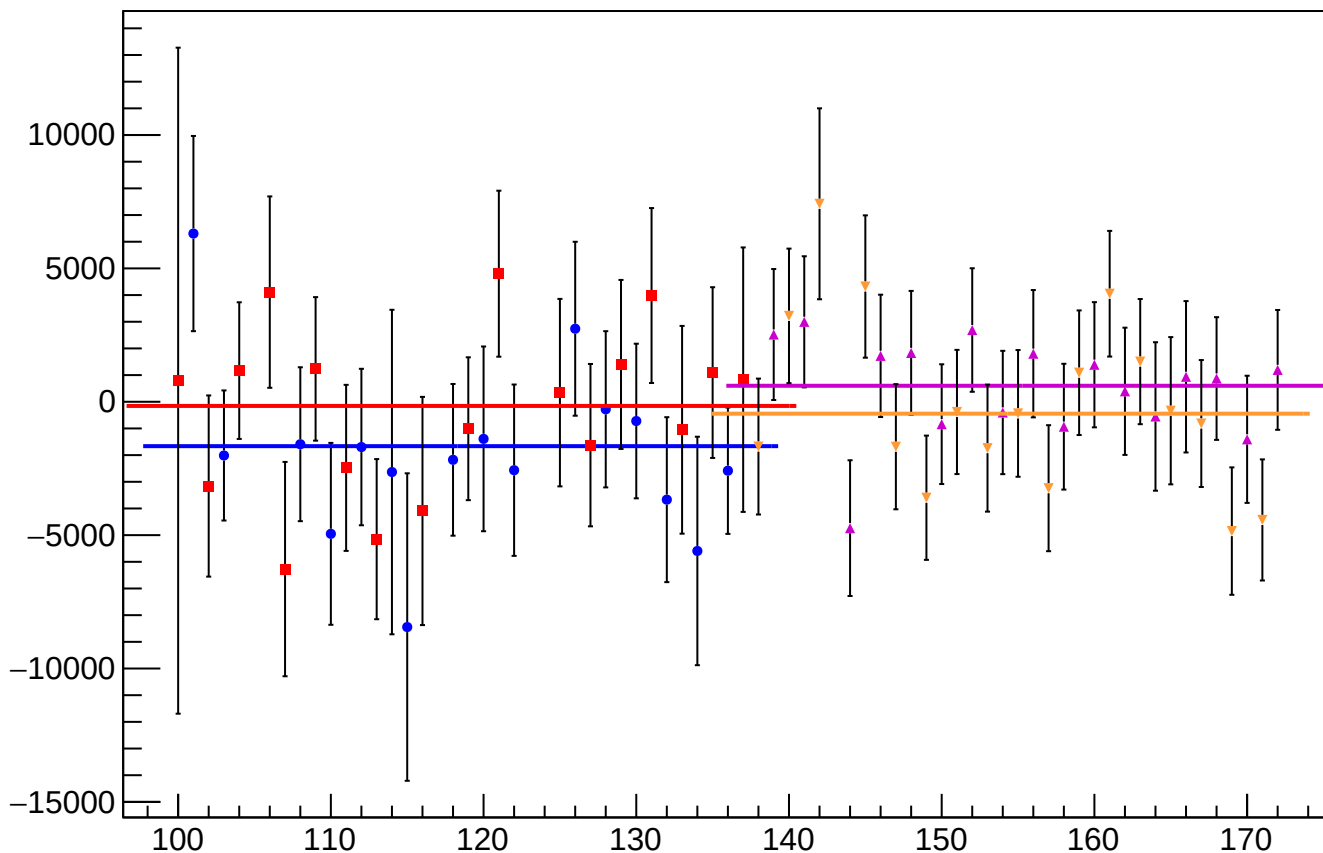
Left In: 1346.381+/-0.256 χ^2/NDF : 272282.6/16

+ sign 1485.567+/-0.241 χ^2/NDF : 3224205.2/32

All: 1476.815+/-0.168 χ^2/NDF : 6413544.6/67

- sign 1468.518+/-0.235 χ^2/NDF : 3186778.8/34

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

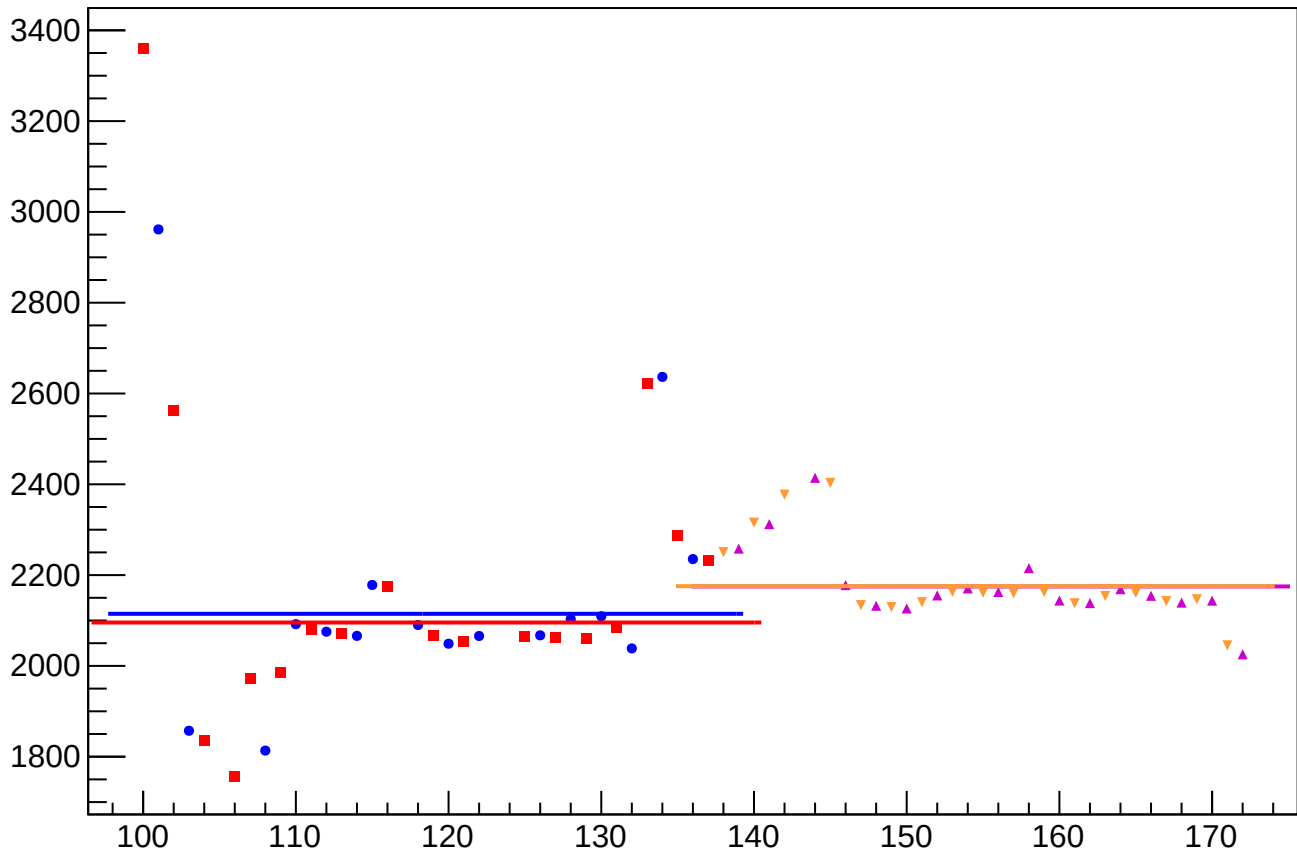
Left In: 599.830 ± 580.987 χ^2/NDF : 9.7/16

+ sign -884.468 ± 475.147 χ^2/NDF : 37.7/32

All: -265.524 ± 333.097 χ^2/NDF : 65.6/67

- sign 332.628 ± 467.098 χ^2/NDF : 24.5/34

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

+ sign 2153.722 +/- 0.336 χ^2/NDF : 236418.2/32

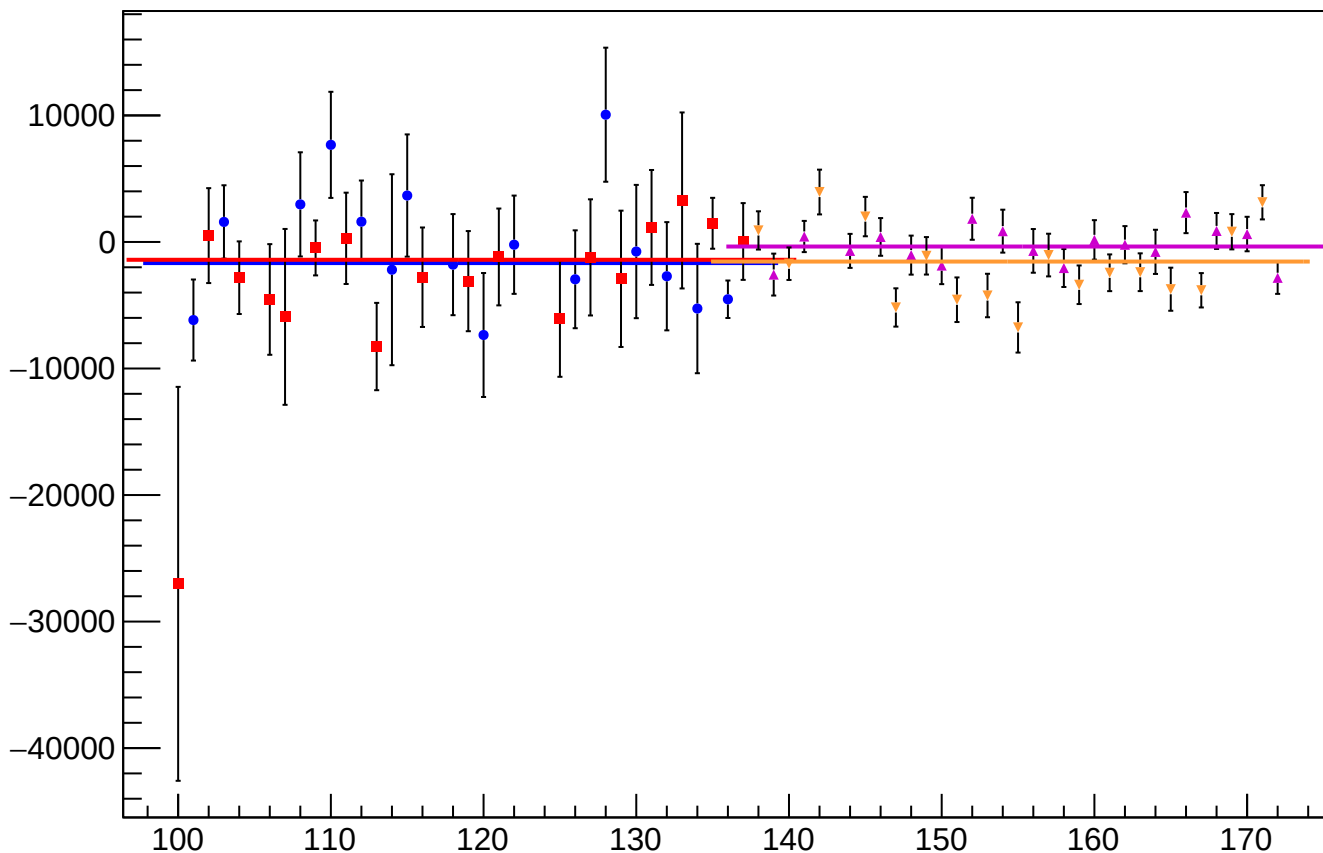
Right Out: 2095.597 +/- 0.555 χ^2/NDF : 149360.5/17

All: 2150.267 +/- 0.236 χ^2/NDF : 438439.5/67

- sign 2146.927 +/- 0.330 χ^2/NDF : 201813.3/34

Left In: 2175.010 +/- 0.411 χ^2/NDF : 39238.9/16

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



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

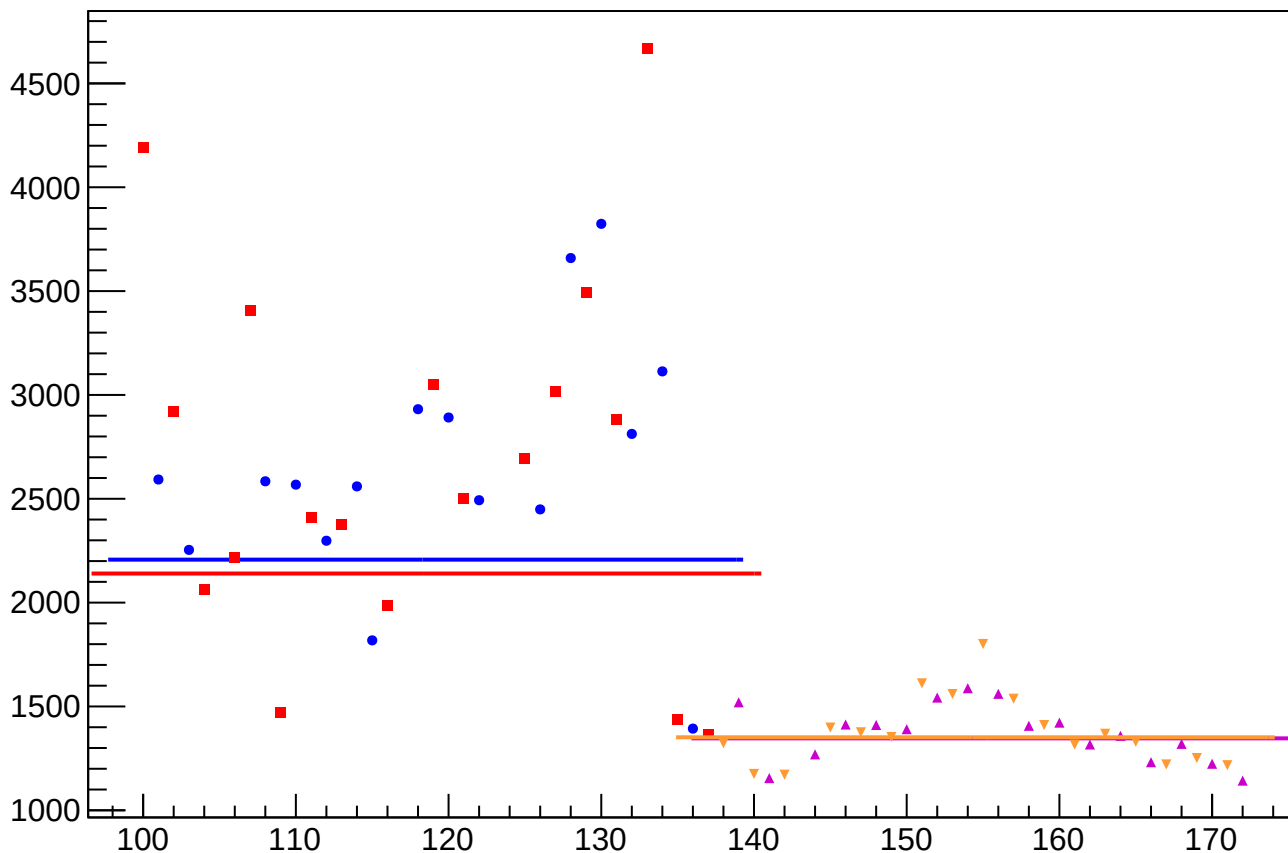
Left In: -360.348 ± 361.887 χ^2/NDF : 15.3/16

+ sign -1566.892 ± 341.366 χ^2/NDF : 79.6/32

All: -1031.178 ± 238.292 χ^2/NDF : 114.0/67

- sign -522.047 ± 332.789 χ^2/NDF : 29.6/34

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2206.918 $\pm$ 0.610 χ^2 /NDF: 1249024.4/15

Left Out: 1351.484 $\pm$ 0.263 χ^2 /NDF: 314117.4/16

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

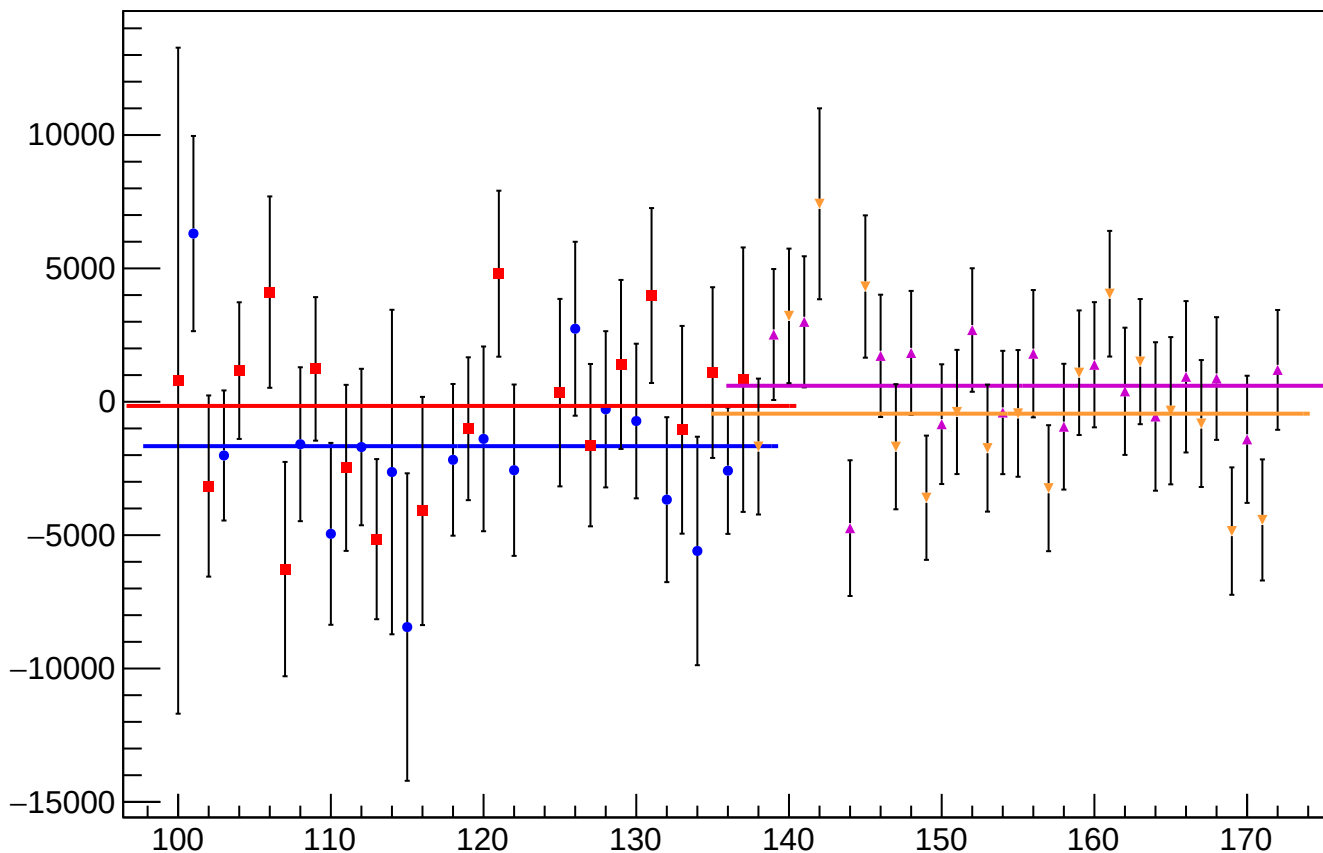
Left In: 1346.378 $\pm$ 0.256 χ^2 /NDF: 272328.1/16

+ sign 1485.602 $\pm$ 0.241 χ^2 /NDF: 3223495.3/32

All: 1477.029 $\pm$ 0.168 χ^2 /NDF: 6431483.0/67

- sign 1468.881 $\pm$ 0.235 χ^2 /NDF: 3205527.4/34

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1664.231 $\pm$ 792.164 χ^2 /NDF: 10.8/15

Left Out: -446.288 $\pm$ 593.827 χ^2 /NDF:25.4/16

Right Out: -155.775 $\pm$ 785.481 χ^2 /NDF: 14.2/17

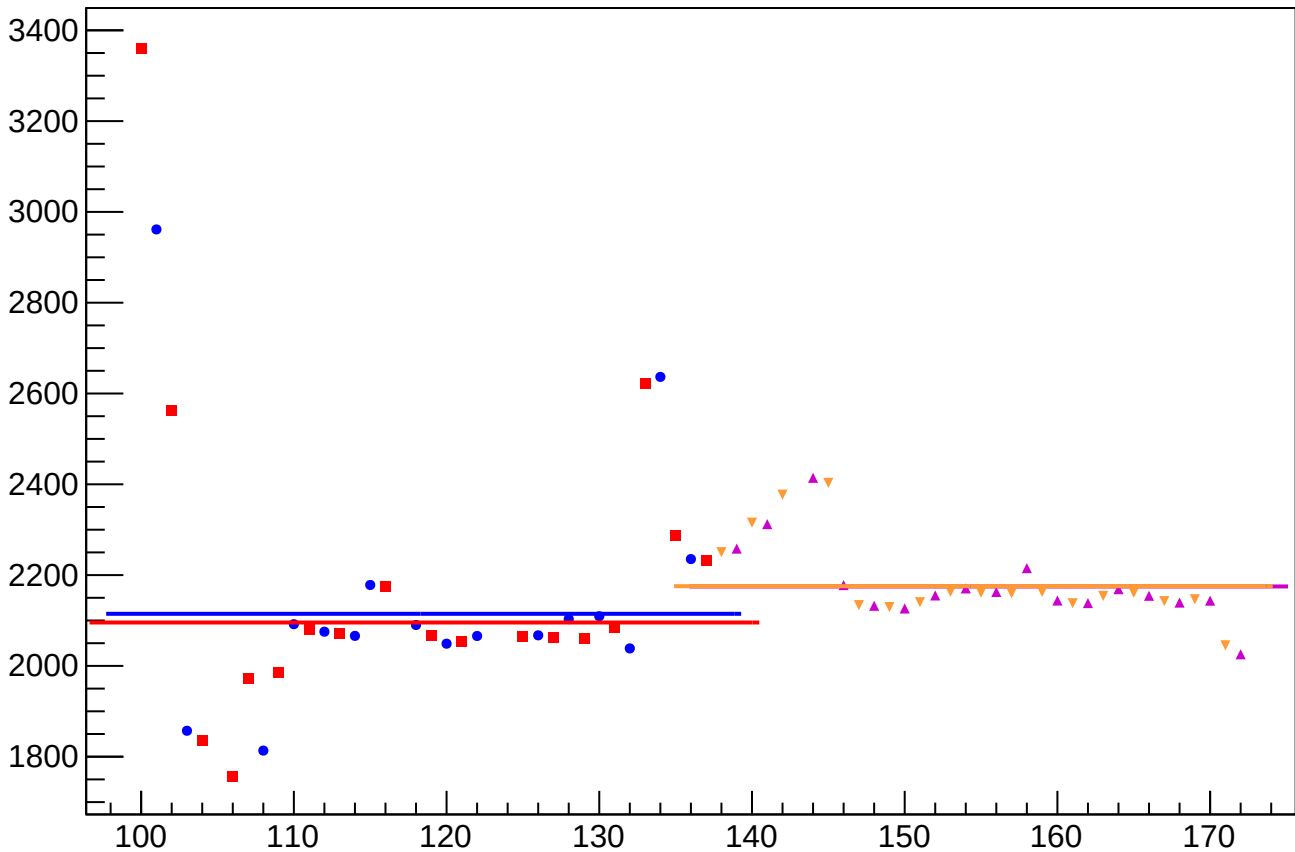
Left In: 599.830 $\pm$ 580.987 χ^2 /NDF:9.7/16

+ sign -884.468 $\pm$ 475.147 χ^2 /NDF: 37.7/32

All: -265.524 $\pm$ 333.097 χ^2 /NDF: 65.6/67

- sign 332.628 $\pm$ 467.098 χ^2 /NDF: 24.5/34

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2114.755 $\pm$ 0.560 χ^2 /NDF: 189920.9/15

Left Out: 2175.620 $\pm$ 0.420 χ^2 /NDF: 38938.3/16

Right Out: 2095.597 $\pm$ 0.555 χ^2 /NDF: 149360.5/17

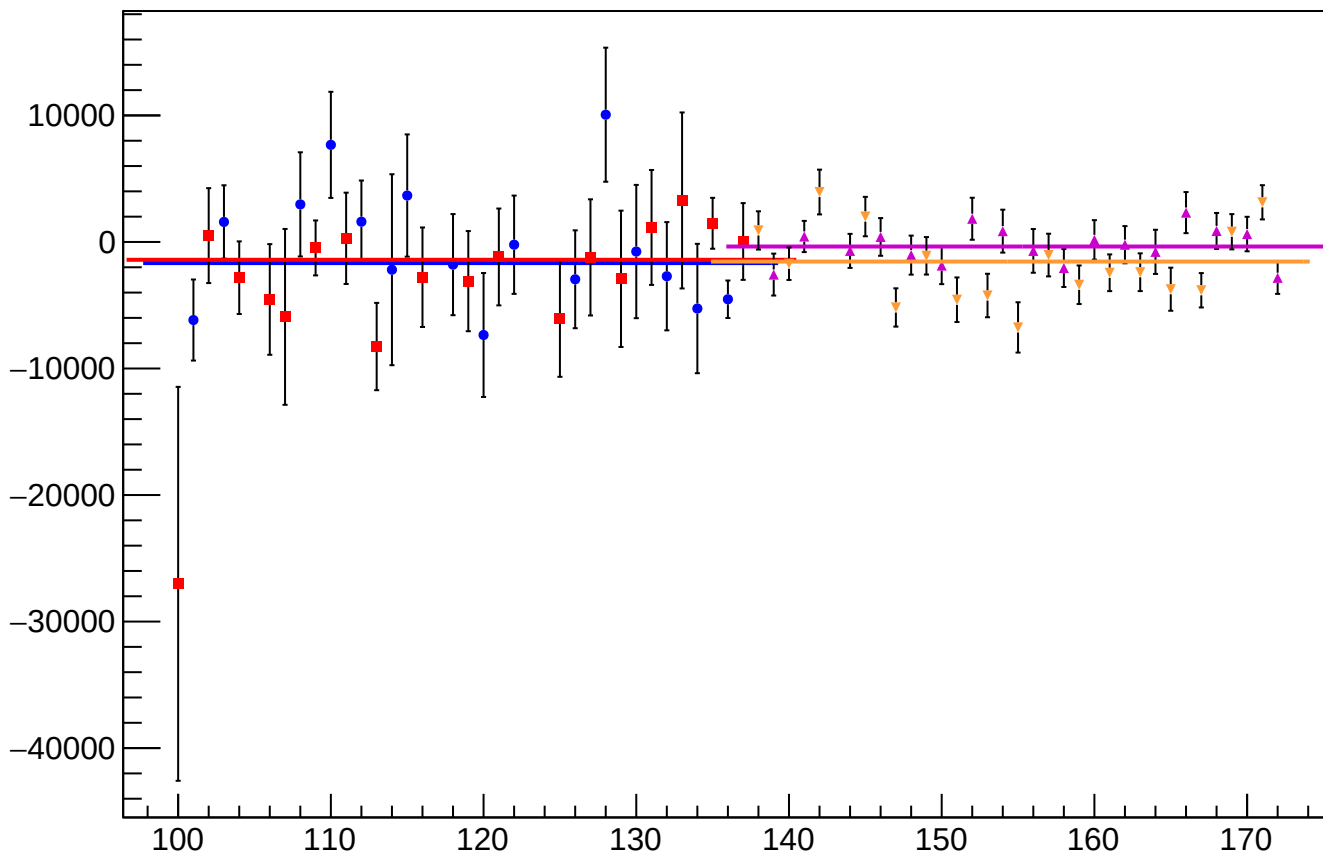
Left In: 2175.010 $\pm$ 0.411 χ^2 /NDF: 39238.9/16

+ sign 2153.722 $\pm$ 0.336 χ^2 /NDF: 236418.2/32

All: 2150.267 $\pm$ 0.236 χ^2 /NDF: 438439.5/67

- sign 2146.927 $\pm$ 0.330 χ^2 /NDF: 201813.3/34

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



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

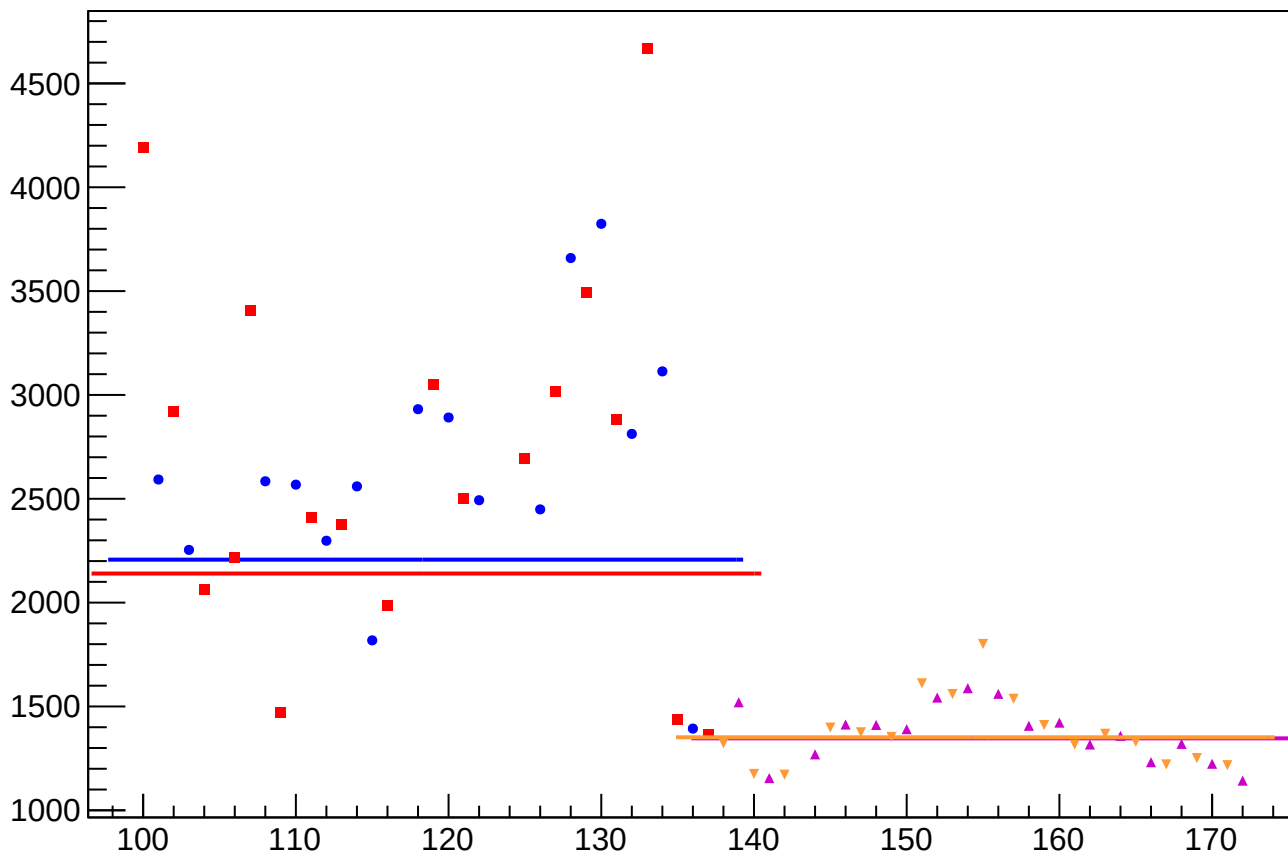
Left In: -360.348 ± 361.887 χ^2/NDF : 15.3/16

+ sign -1566.892 ± 341.366 χ^2/NDF : 79.6/32

All: -1031.178 ± 238.292 χ^2/NDF : 114.0/67

- sign -522.047 ± 332.789 χ^2/NDF : 29.6/34

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2206.918 $\pm$ 0.610 χ^2 /NDF: 1249024.4/15

Left Out: 1351.484 $\pm$ 0.263 χ^2 /NDF: 314117.4/16

Right Out: 2140.060 $\pm$ 0.599 χ^2 /NDF: 1448366.8/17

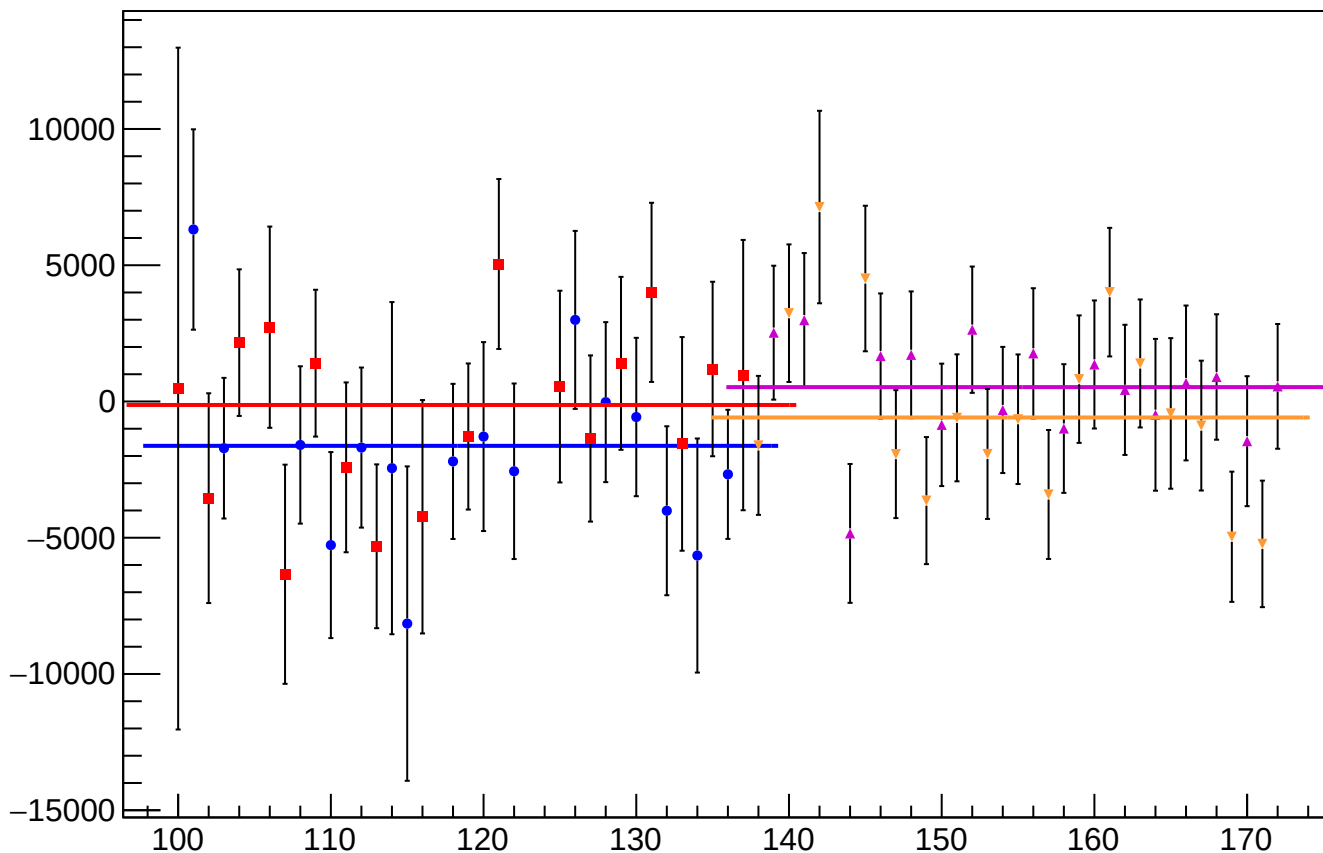
Left In: 1346.378 $\pm$ 0.256 χ^2 /NDF: 272328.1/16

+ sign 1485.602 $\pm$ 0.241 χ^2 /NDF: 3223495.3/32

All: 1477.029 $\pm$ 0.168 χ^2 /NDF: 6431483.0/67

- sign 1468.881 $\pm$ 0.235 χ^2 /NDF: 3205527.4/34

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1627.635 $\pm$ 797.966 χ^2/NDF : 11.3/15

Left Out: -586.956 $\pm$ 595.105 χ^2/NDF : 26.9/16

Right Out: -128.099 $\pm$ 795.899 χ^2/NDF : 14.6/17

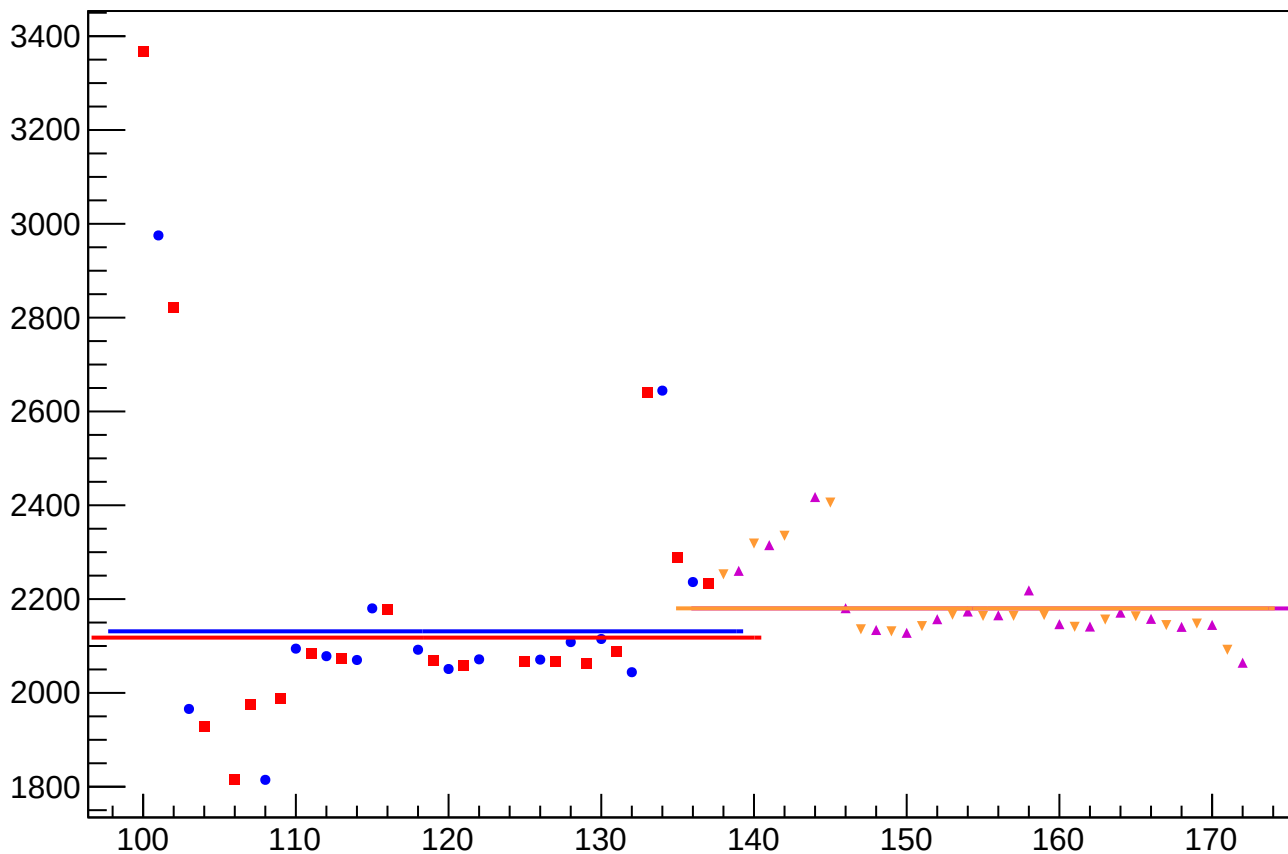
Left In: 526.693 $\pm$ 582.300 χ^2/NDF : 9.6/16

+ sign -958.897 $\pm$ 477.049 χ^2/NDF : 39.3/32

All: -320.827 $\pm$ 334.787 χ^2/NDF : 67.5/67

- sign 298.399 $\pm$ 469.952 χ^2/NDF : 24.6/34

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 0.564 χ^2 /NDF: 175943.3/15

Left Out: 2180.248 $\pm$ 0.421 χ^2 /NDF: 32715.0/16

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.7/17

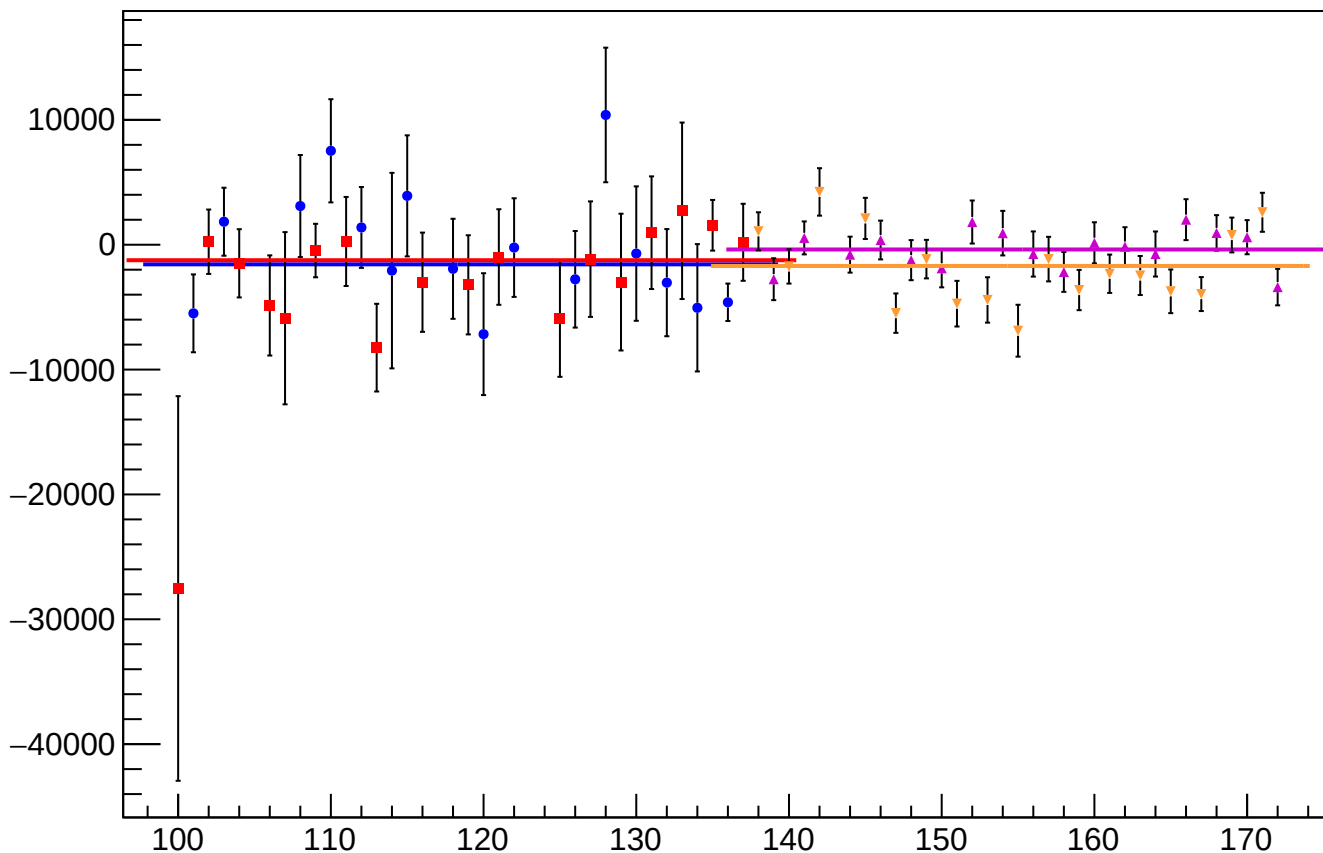
Left In: 2180.073 $\pm$ 0.412 χ^2 /NDF: 35384.1/16

+ sign 2162.753 $\pm$ 0.337 χ^2 /NDF: 213494.5/32

All: 2160.536 $\pm$ 0.237 χ^2 /NDF: 420544.0/67

- sign 2158.385 $\pm$ 0.332 χ^2 /NDF: 206964.5/34

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1571.073 $\pm$ 859.754 χ^2 /NDF: 22.6/15

Left Out: -1699.868 $\pm$ 389.661 χ^2 /NDF: 52.2/16

Right Out: -1241.008 $\pm$ 819.775 χ^2 /NDF: 13.1/17

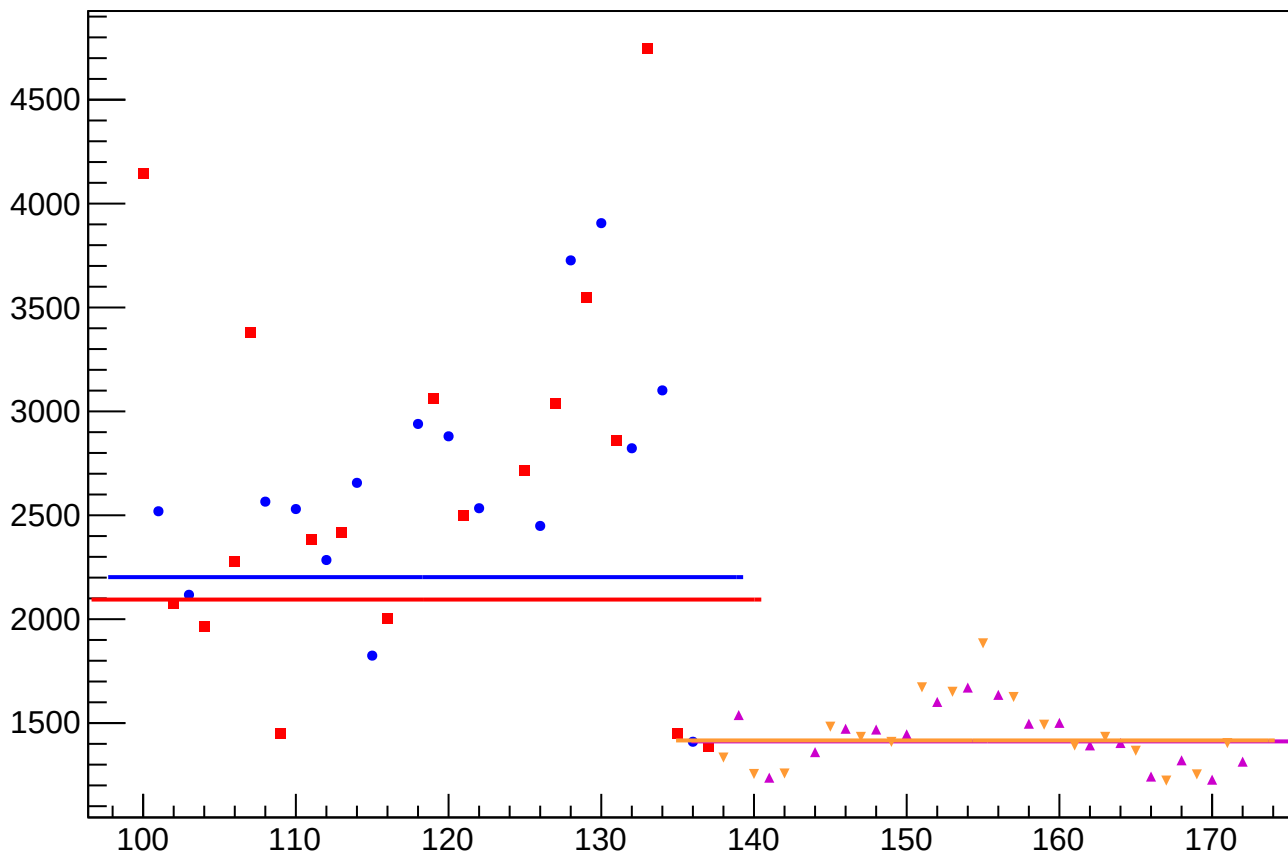
Left In: -380.619 $\pm$ 379.198 χ^2 /NDF: 15.5/16

+ sign -1677.920 $\pm$ 354.911 χ^2 /NDF: 74.8/32

All: -1087.481 $\pm$ 247.072 χ^2 /NDF: 109.7/67

- sign -532.265 $\pm$ 344.162 χ^2 /NDF: 29.5/34

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2202.378 $\pm$ 0.608 χ^2/NDF : 1222965.0/15

Left Out: 1416.426 $\pm$ 0.276 χ^2/NDF : 326591.9/16

Right Out: 2094.445 $\pm$ 0.580 χ^2/NDF : 1373676.8/17

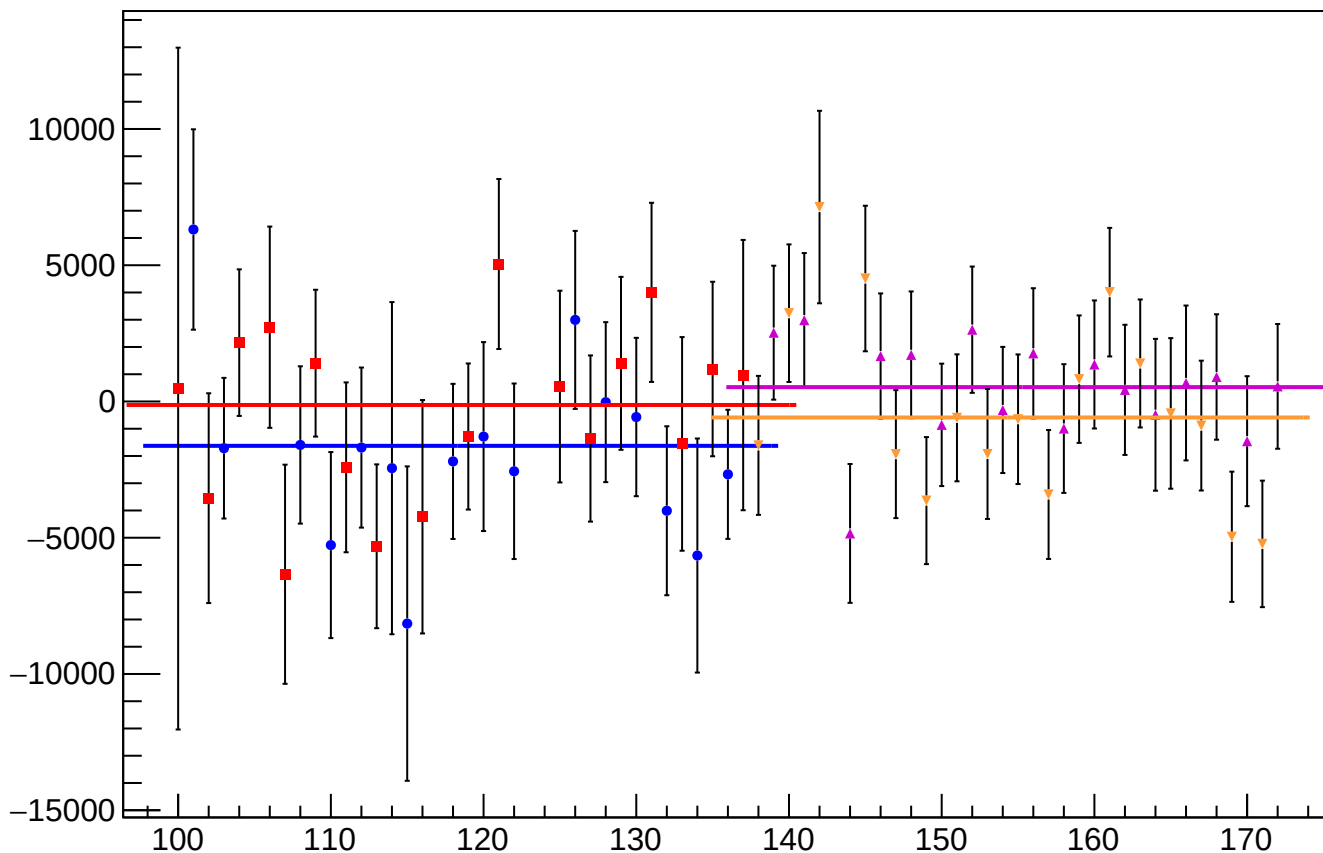
Left In: 1411.810 $\pm$ 0.268 χ^2/NDF : 239425.0/16

+ sign 1550.359 $\pm$ 0.251 χ^2/NDF : 2936116.6/32

All: 1540.963 $\pm$ 0.175 χ^2/NDF : 5694319.6/67

- sign 1532.127 $\pm$ 0.243 χ^2/NDF : 2755482.8/34

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

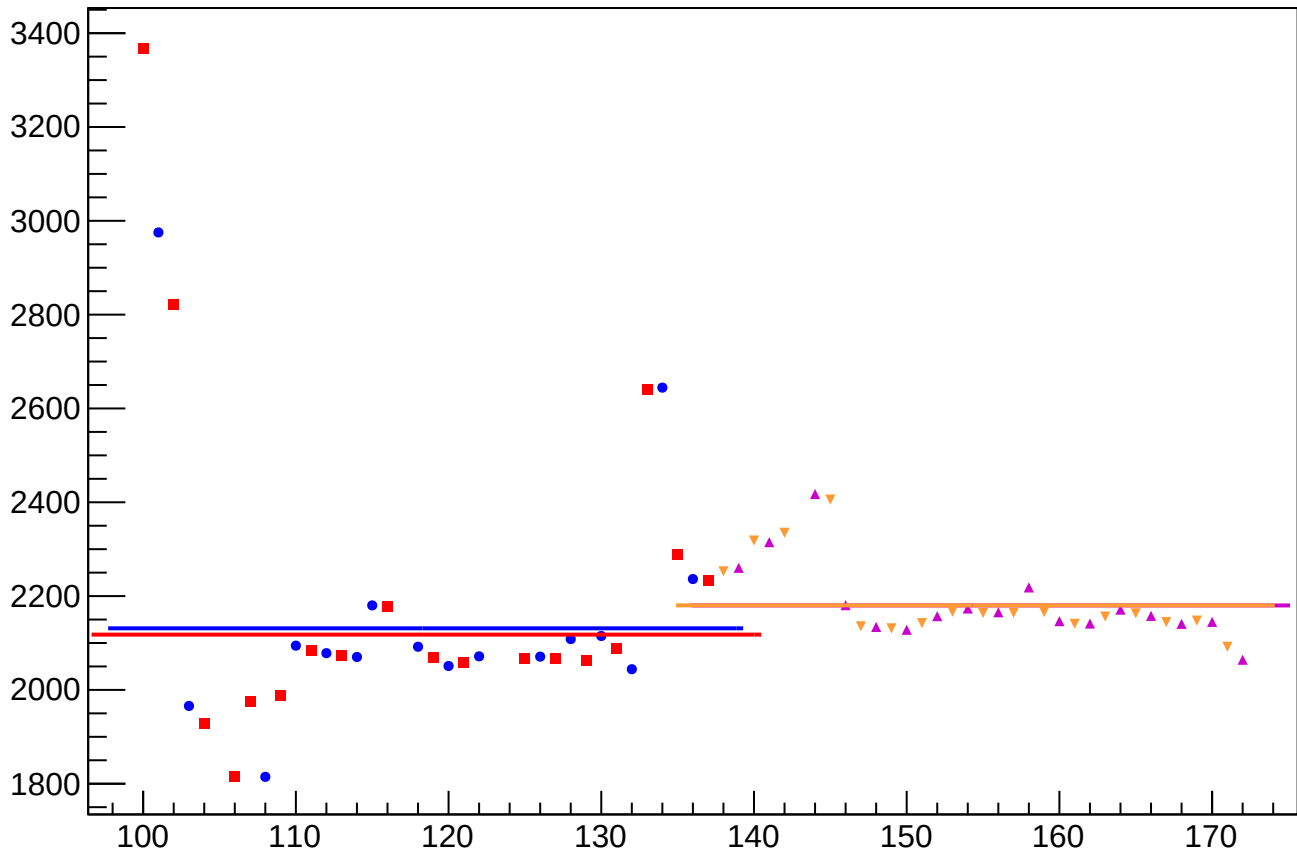
Left In: 526.694 ± 582.300 χ^2/NDF : 9.6/16

+ sign -958.896 ± 477.049 χ^2/NDF : 39.3/32

All: -320.825 ± 334.787 χ^2/NDF : 67.5/67

- sign 298.401 ± 469.952 χ^2/NDF : 24.6/34

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2131.298 $\pm$ 0.564 χ^2 /NDF: 175943.3/15

Left Out: 2180.248 $\pm$ 0.421 χ^2 /NDF: 32715.2/16

Right Out: 2117.868 $\pm$ 0.563 χ^2 /NDF: 163622.6/17

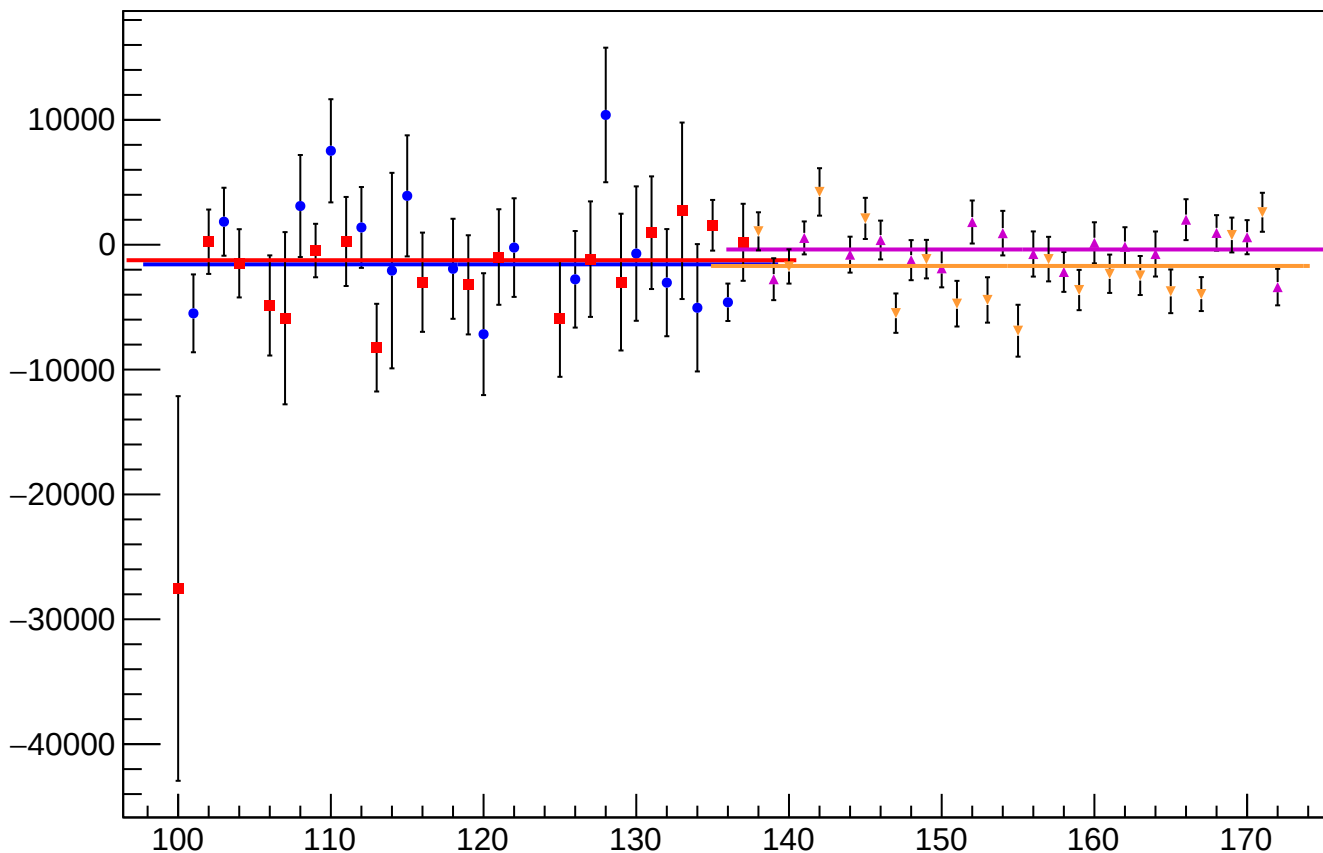
Left In: 2180.073 $\pm$ 0.412 χ^2 /NDF: 35384.3/16

+ sign 2162.753 $\pm$ 0.337 χ^2 /NDF: 213494.6/32

All: 2160.536 $\pm$ 0.237 χ^2 /NDF: 420544.3/67

- sign 2158.385 $\pm$ 0.332 χ^2 /NDF: 206964.6/34

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



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

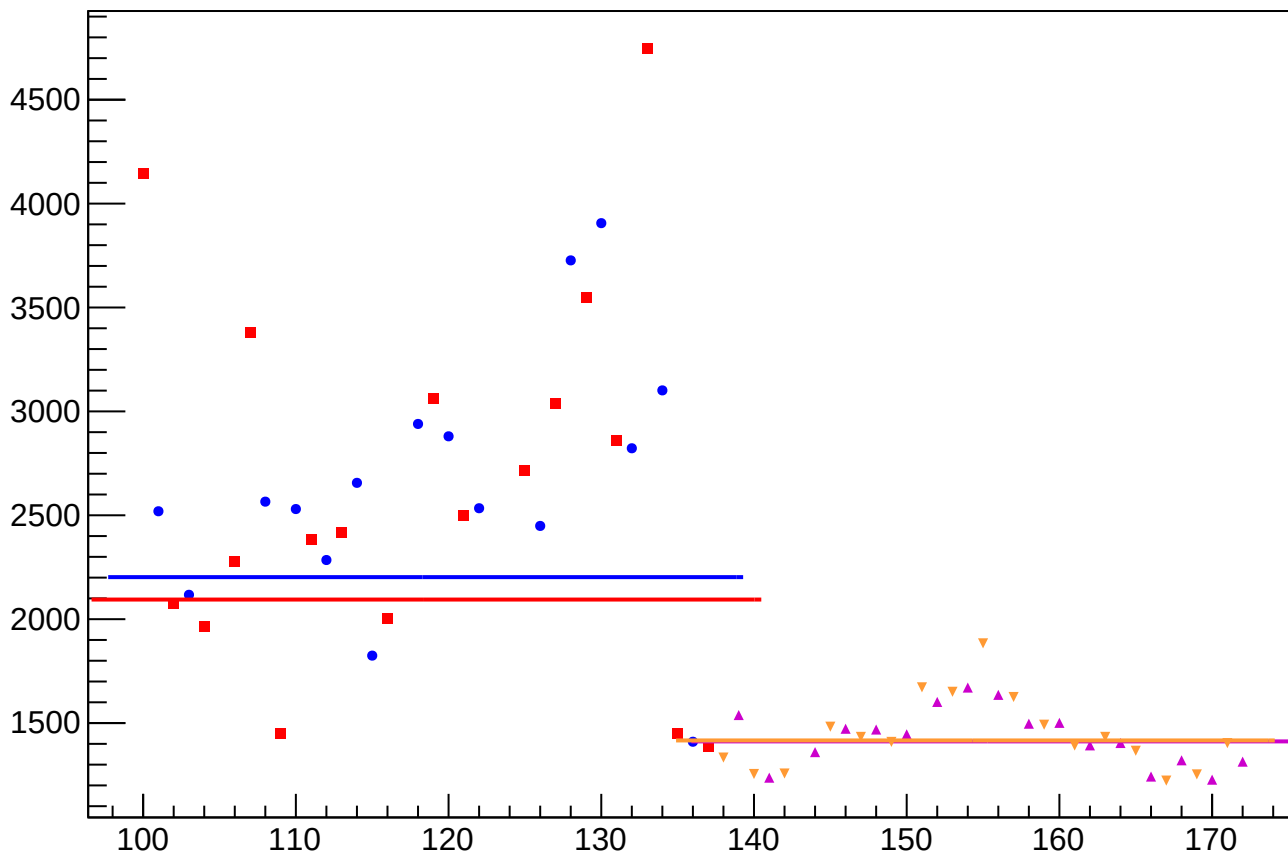
Left In: -380.615 ± 379.198 χ^2/NDF : 15.5/16

+ sign -1677.921 ± 354.911 χ^2/NDF : 74.8/32

All: -1087.480 ± 247.072 χ^2/NDF : 109.7/67

- sign -532.263 ± 344.162 χ^2/NDF : 29.5/34

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



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

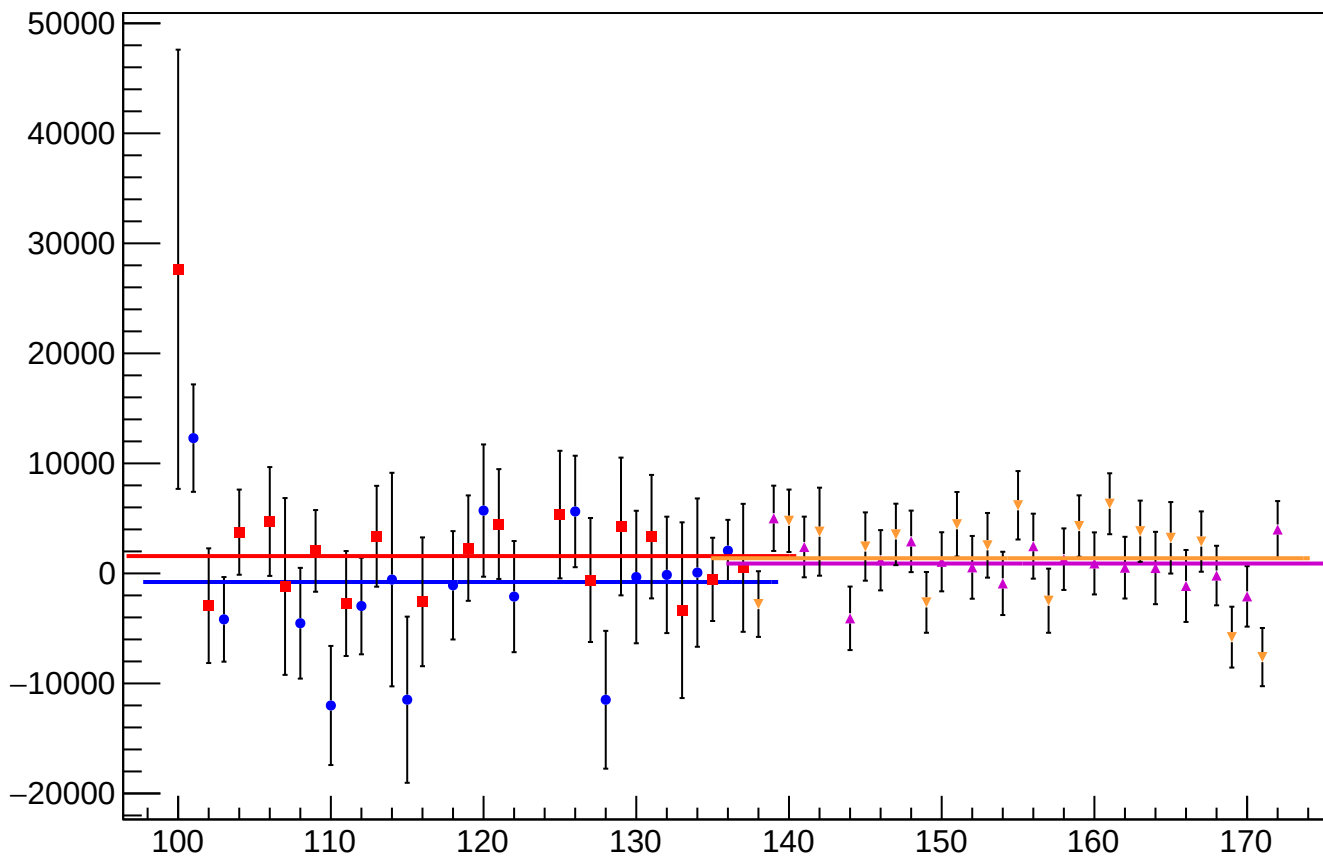
Left In: 1411.809+/-0.268 χ^2/NDF : 239431.2/16

+ sign 1550.361+/-0.251 χ^2/NDF : 2936084.3/32

All: 1540.964+/-0.175 χ^2/NDF : 5694283.9/67

- sign 1532.127+/-0.243 χ^2/NDF : 2755479.0/34

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

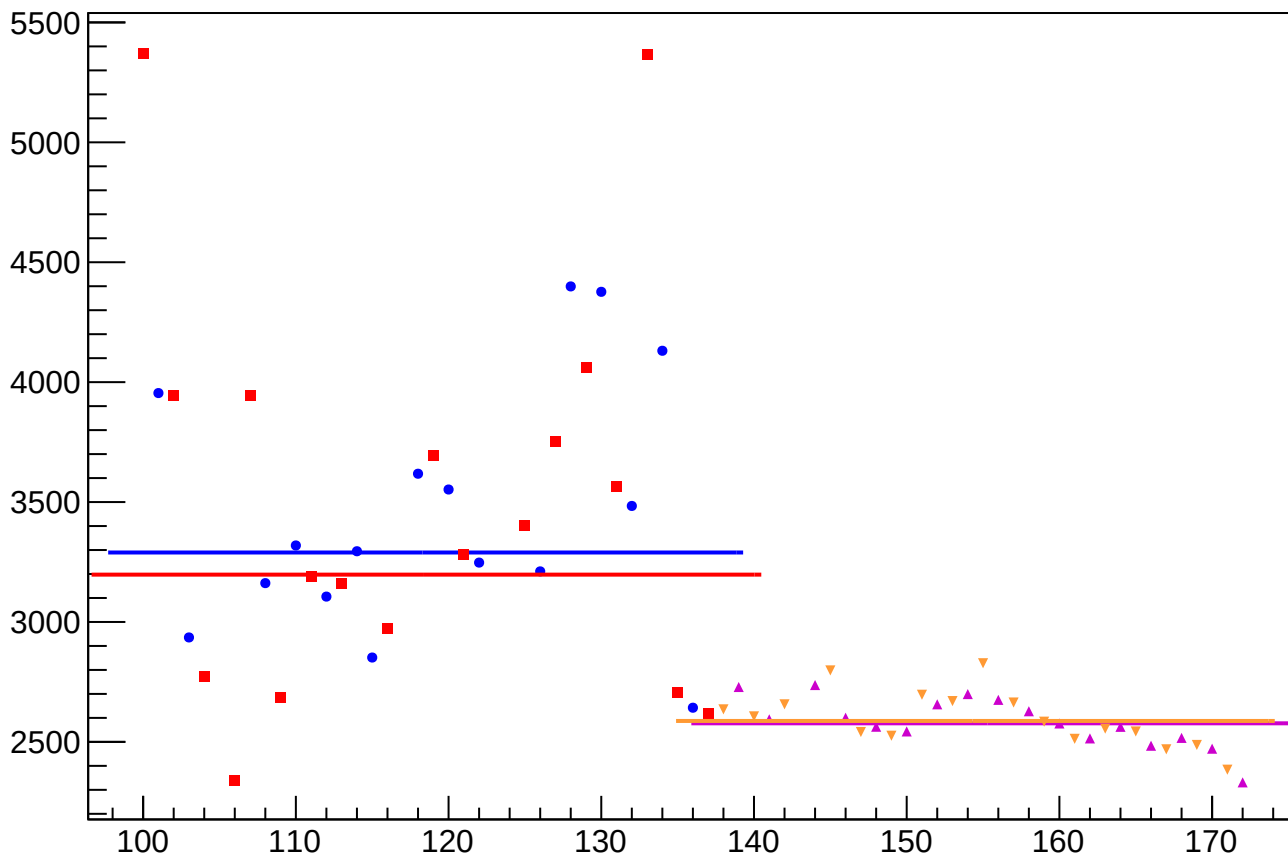
Left In: 897.890+/-688.655 χ^2/NDF : 9.6/16

+ sign 850.982+/-614.022 χ^2/NDF : 60.1/32

All: 958.815+/-428.984 χ^2/NDF : 76.8/67

- sign 1061.637+/-599.585 χ^2/NDF : 16.6/34

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

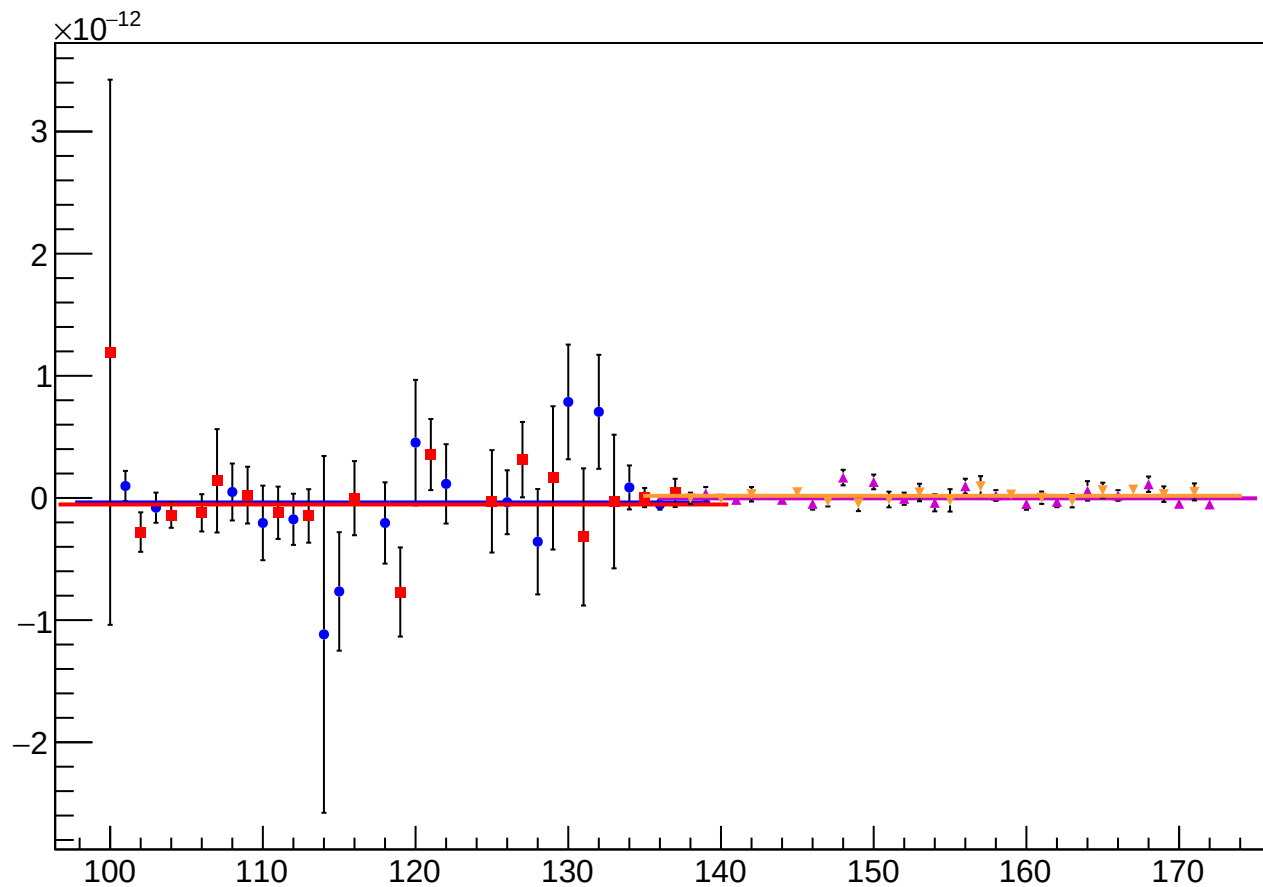
Left In: 2577.410+/-0.487 χ^2/NDF : 44689.7/16

+ sign 2759.020+/-0.434 χ^2/NDF : 881020.8/32

All: 2742.840+/-0.303 χ^2/NDF : 1820544.8/67

- sign 2727.413+/-0.424 χ^2/NDF : 936811.3/34

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



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

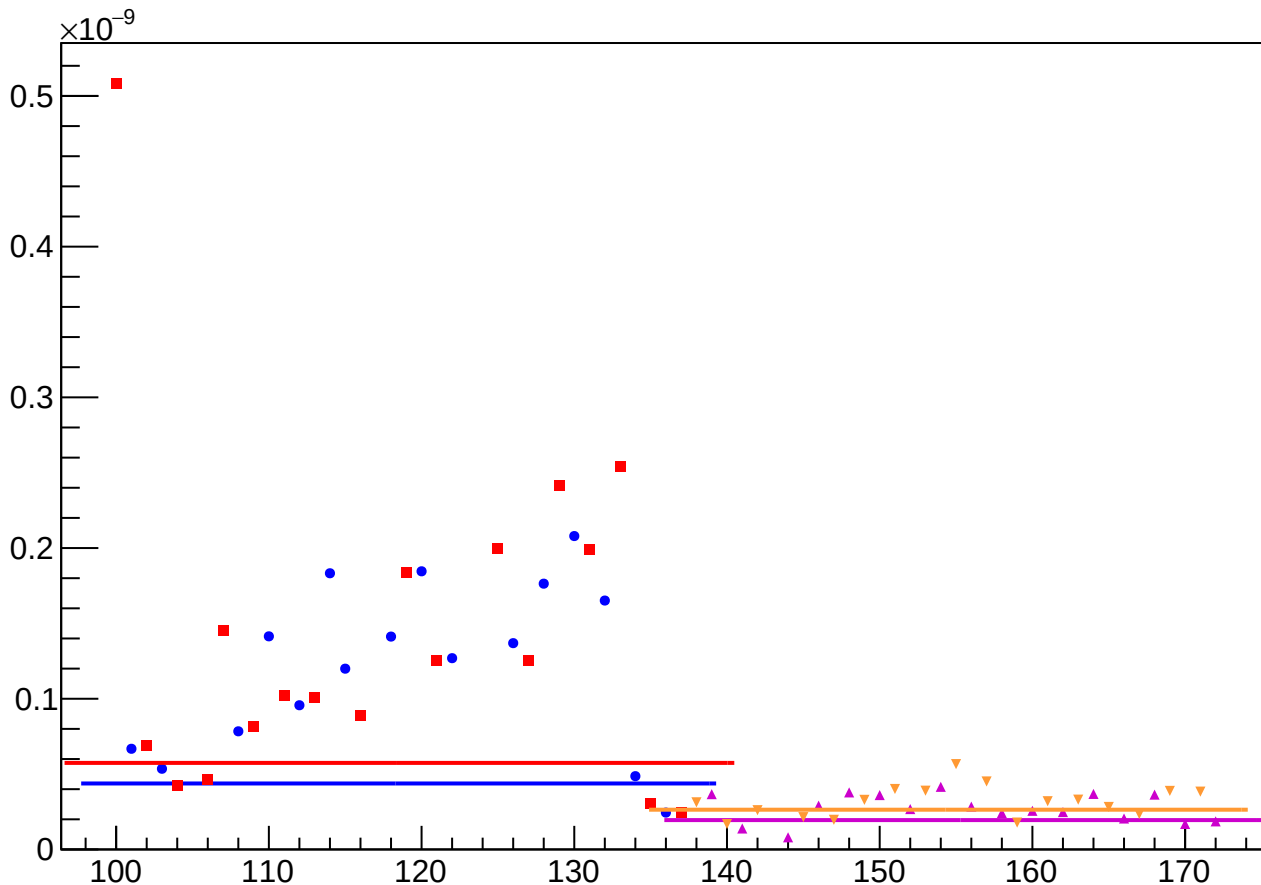
Left In: -0.000 ± 0.000 χ^2/NDF : 26.1/16

+ sign 0.000 ± 0.000 χ^2/NDF : 23.4/32

All: 0.000 ± 0.000 χ^2/NDF : 64.7/67

- sign -0.000 ± 0.000 χ^2/NDF : 39.9/34

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



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

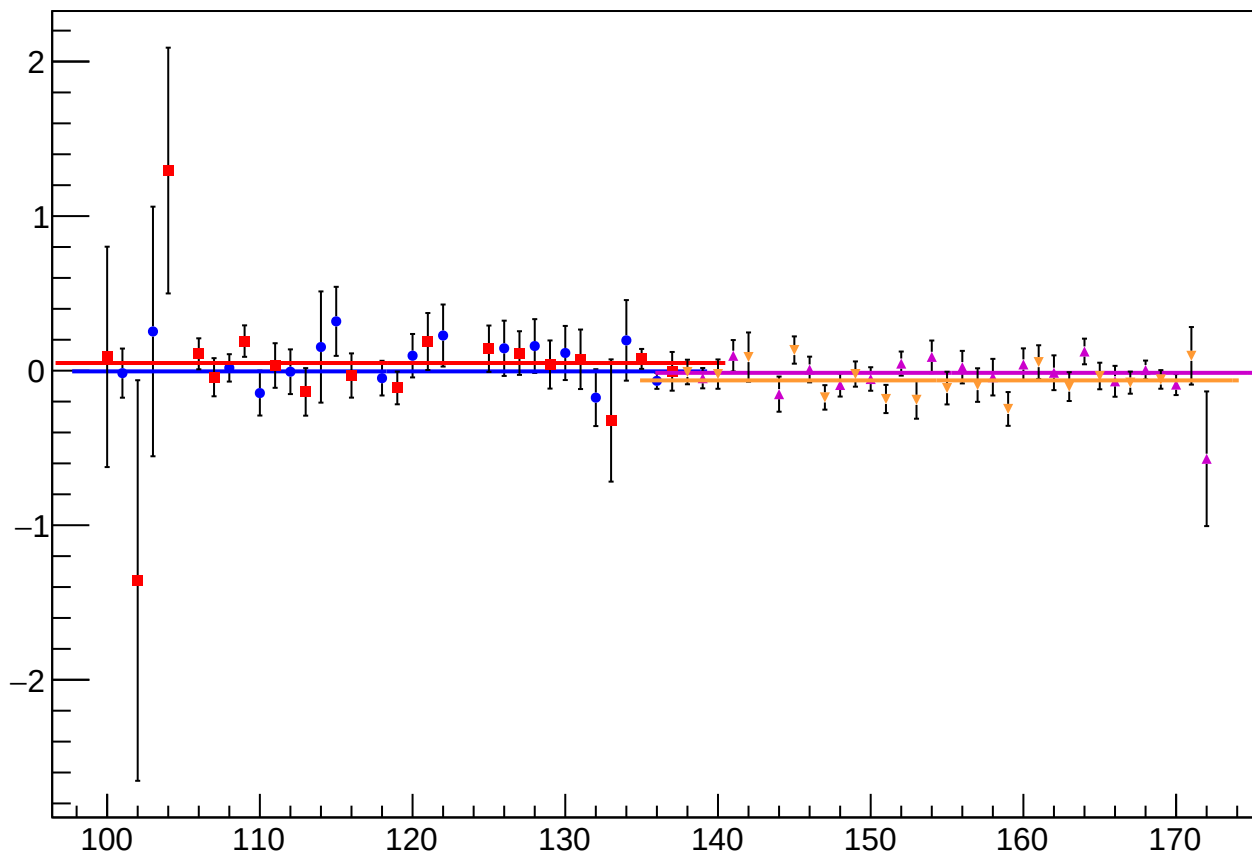
Left In: 0.000+/-0.000 χ^2/NDF : 2109241.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 3796811.4/32

All: 0.000+/-0.000 χ^2/NDF : 9887040.5/67

- sign 0.000+/-0.000 χ^2/NDF : 5653892.2/34

asym_us_dd_at2lr_dd_avg_dit_vs_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

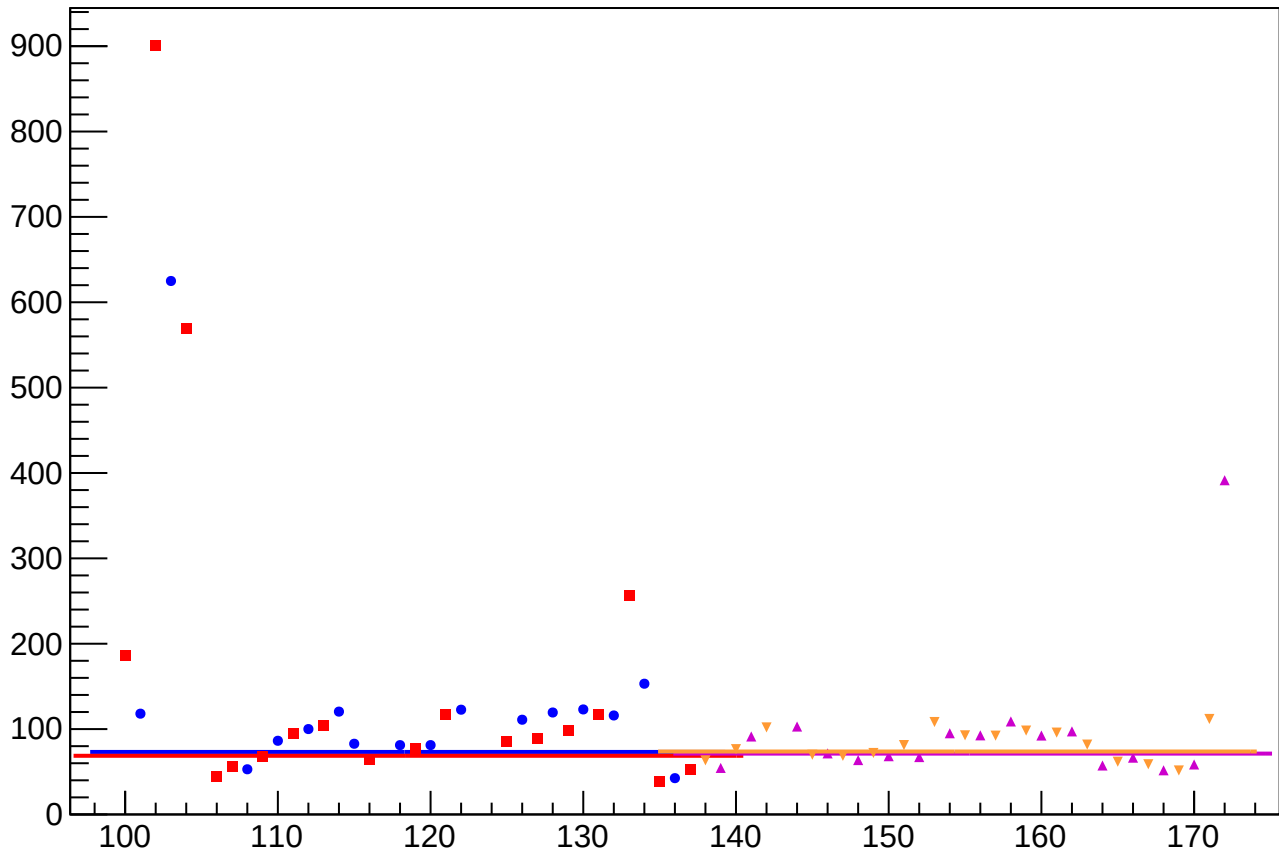
Left In: -0.014 ± 0.021 χ^2/NDF : 12.4/16

+ sign -0.044 ± 0.018 χ^2/NDF : 29.4/32

All: -0.018 ± 0.013 χ^2/NDF : 61.5/67

- sign 0.006 ± 0.018 χ^2/NDF : 28.2/34

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

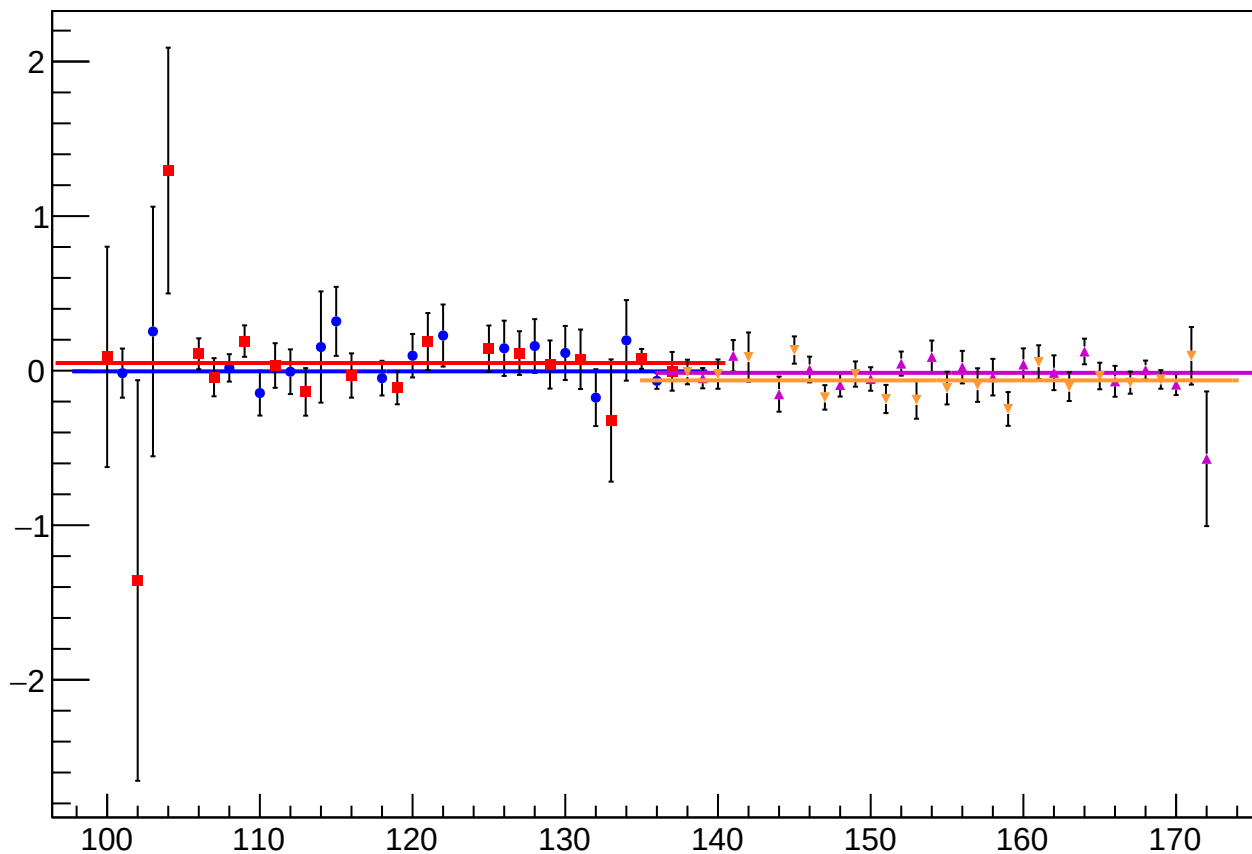
Left In: 71.278+/-0.015 χ^2/NDF : 2386695.3/16

+ sign 73.577+/-0.013 χ^2/NDF : 3942464.1/32

All: 71.974+/-0.009 χ^2/NDF : 9699507.3/67

- sign 70.487+/-0.012 χ^2/NDF : 5727422.2/34

asym_us_dd_at2lr_dd_avg_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

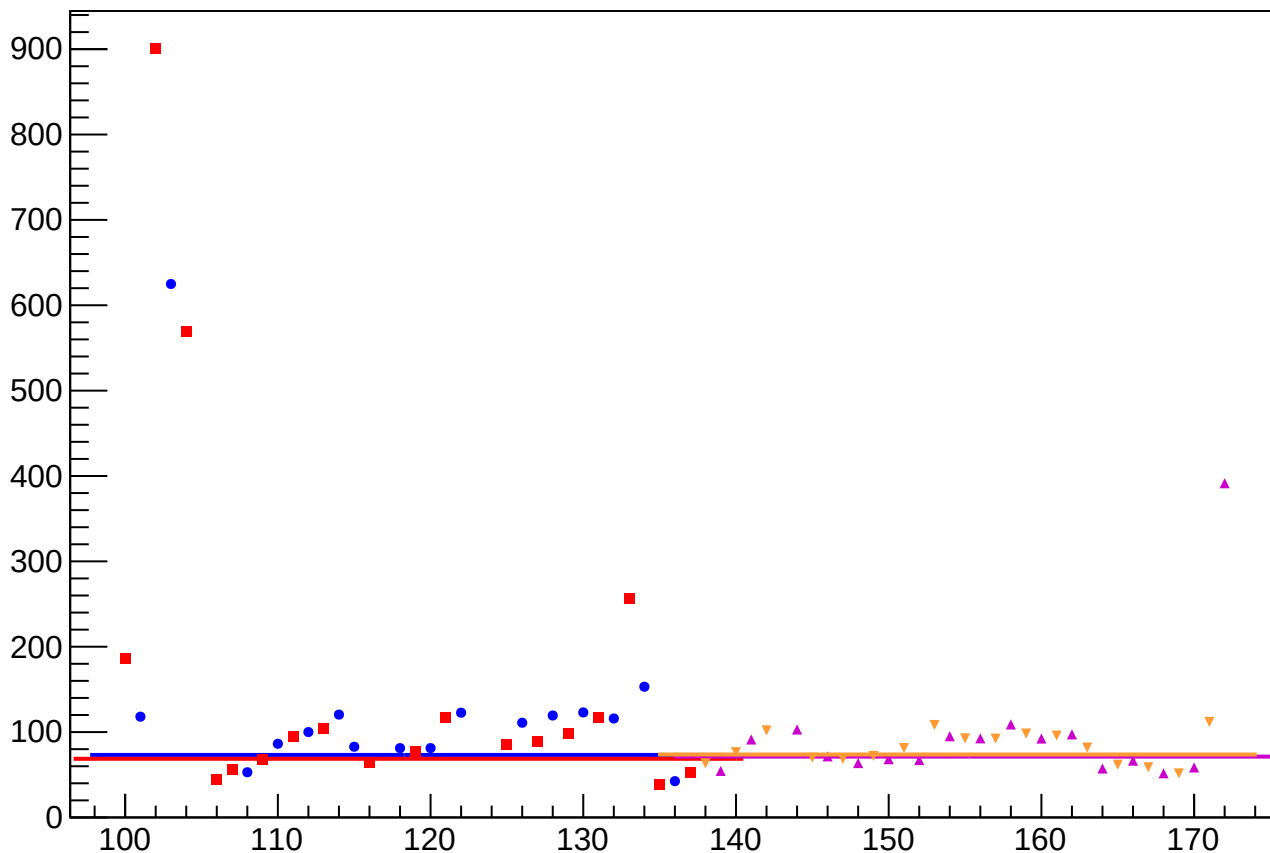
Left In: -0.014 ± 0.021 χ^2/NDF : 12.4/16

+ sign -0.044 ± 0.018 χ^2/NDF : 29.4/32

All: -0.018 ± 0.013 χ^2/NDF : 61.5/67

- sign 0.006 ± 0.018 χ^2/NDF : 28.2/34

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.234+/-0.023 χ^2/NDF : 2854601.2/15

Left Out: 73.740+/-0.016 χ^2/NDF : 1087528.8/16

Right Out: 68.724+/-0.022 χ^2/NDF : 3331744.2/17

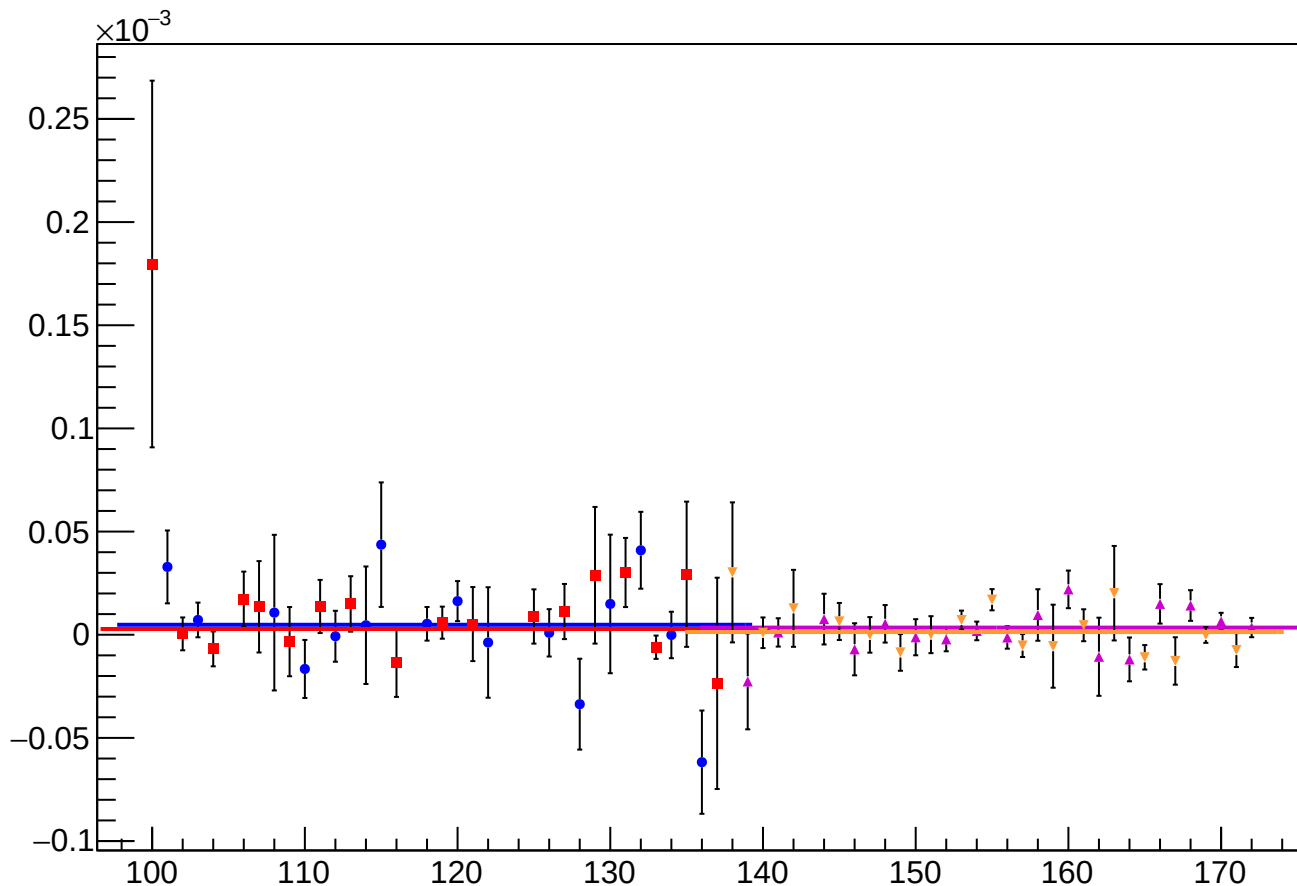
Left In: 71.278+/-0.015 χ^2/NDF : 2386695.3/16

+ sign 73.577+/-0.013 χ^2/NDF : 3942464.1/32

All: 71.974+/-0.009 χ^2/NDF : 9699507.3/67

- sign 70.487+/-0.012 χ^2/NDF : 5727422.2/34

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23.0/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/17

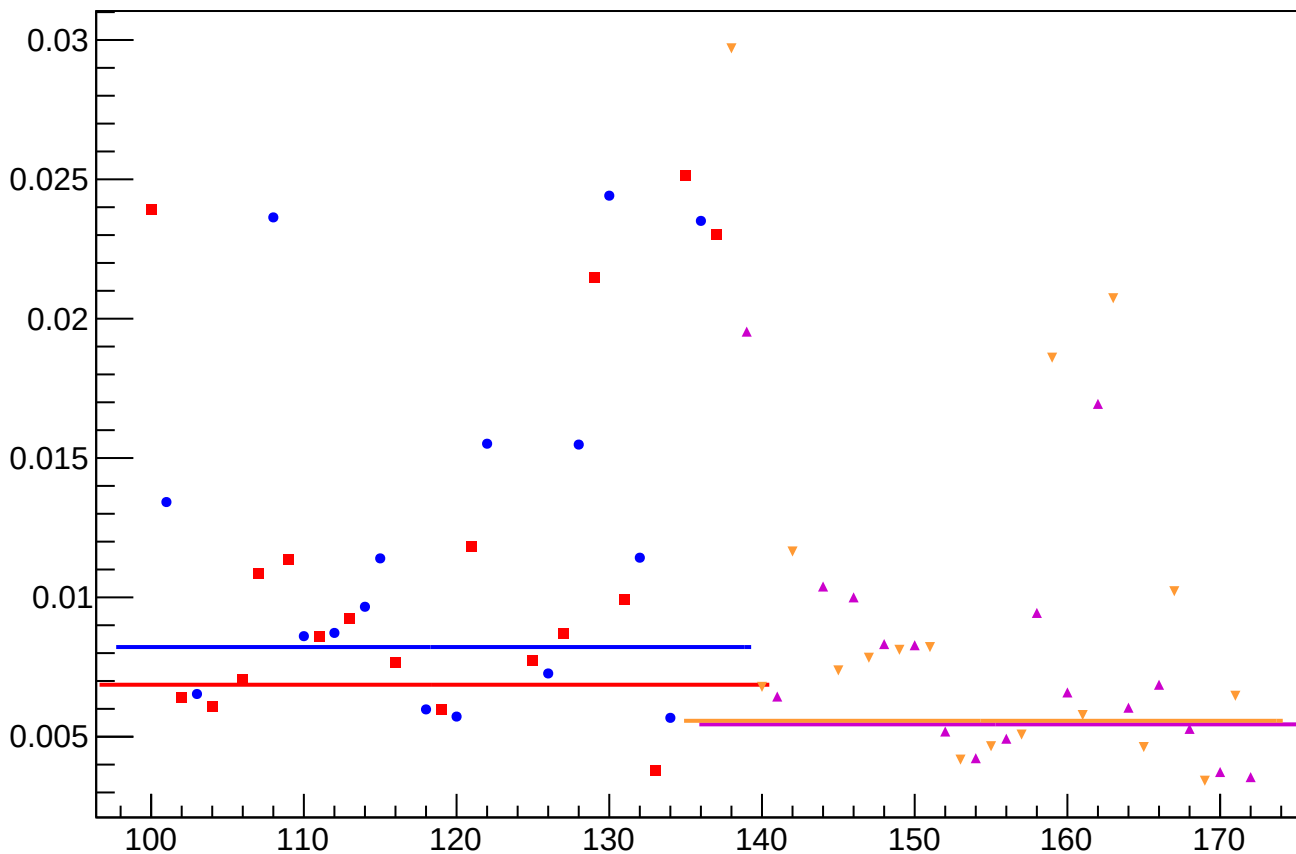
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.4/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.0/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/34

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF : 4853374.6/16

Right Out: 0.007+/-0.000 χ^2/NDF : 2426444.0/17

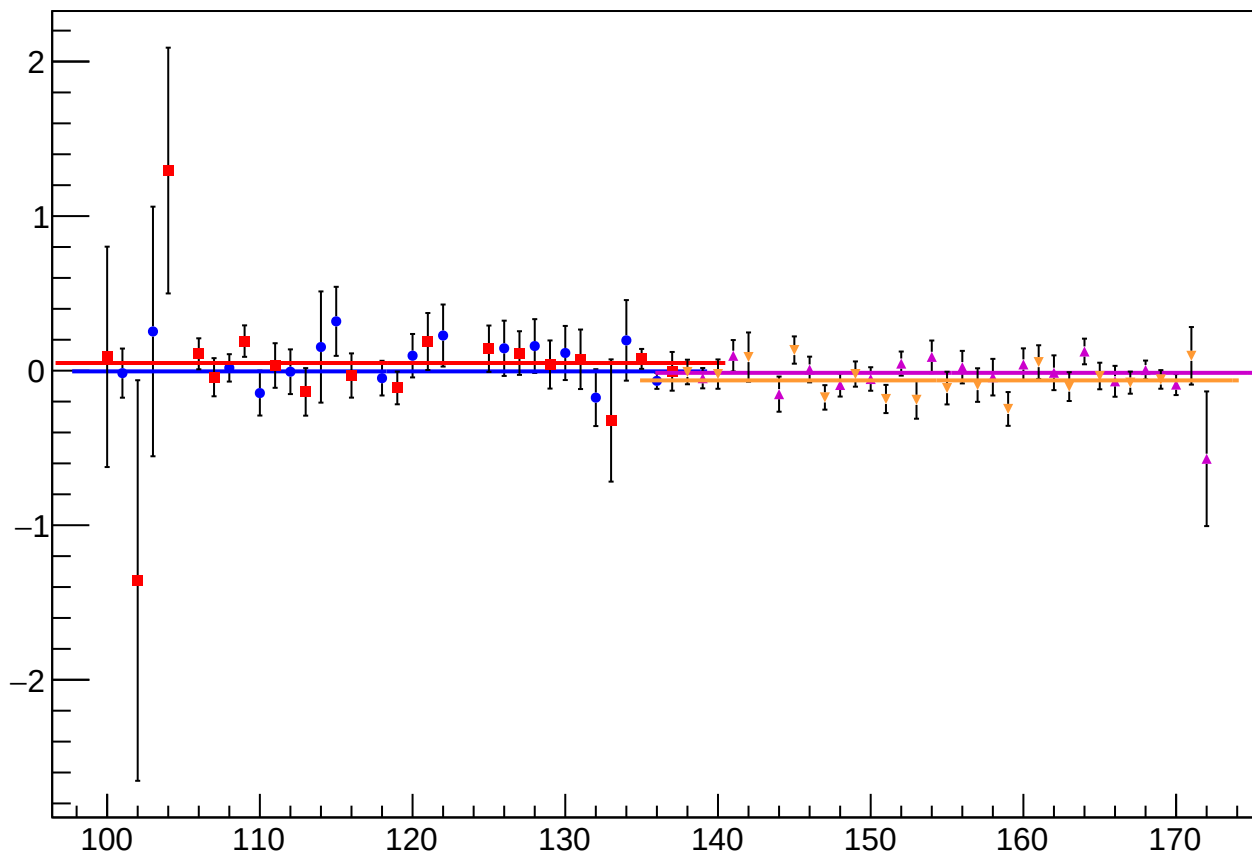
Left In: 0.005+/-0.000 χ^2/NDF : 3632036.6/16

+ sign 0.006+/-0.000 χ^2/NDF : 8430227.3/32

All: 0.006+/-0.000 χ^2/NDF : 14887638.7/67

- sign 0.006+/-0.000 χ^2/NDF : 6425790.2/34

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_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

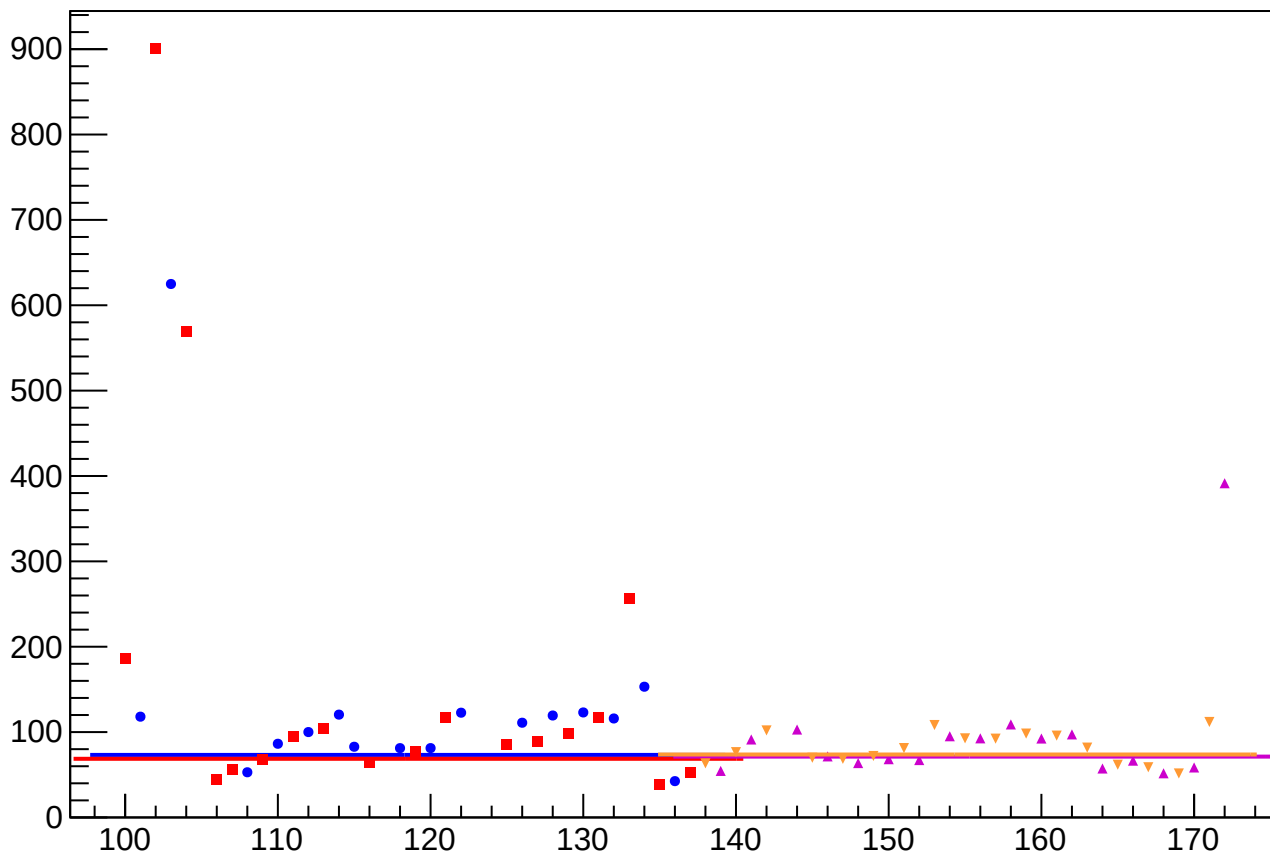
Left In: -0.014 ± 0.021 χ^2/NDF : 12.4/16

+ sign -0.044 ± 0.018 χ^2/NDF : 29.4/32

All: -0.018 ± 0.013 χ^2/NDF : 61.5/67

- sign 0.006 ± 0.018 χ^2/NDF : 28.2/34

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.260 $\pm$ 0.023 χ^2 /NDF: 2852306.8/15

Left Out: 73.740 $\pm$ 0.016 χ^2 /NDF: 1087441.2/16

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

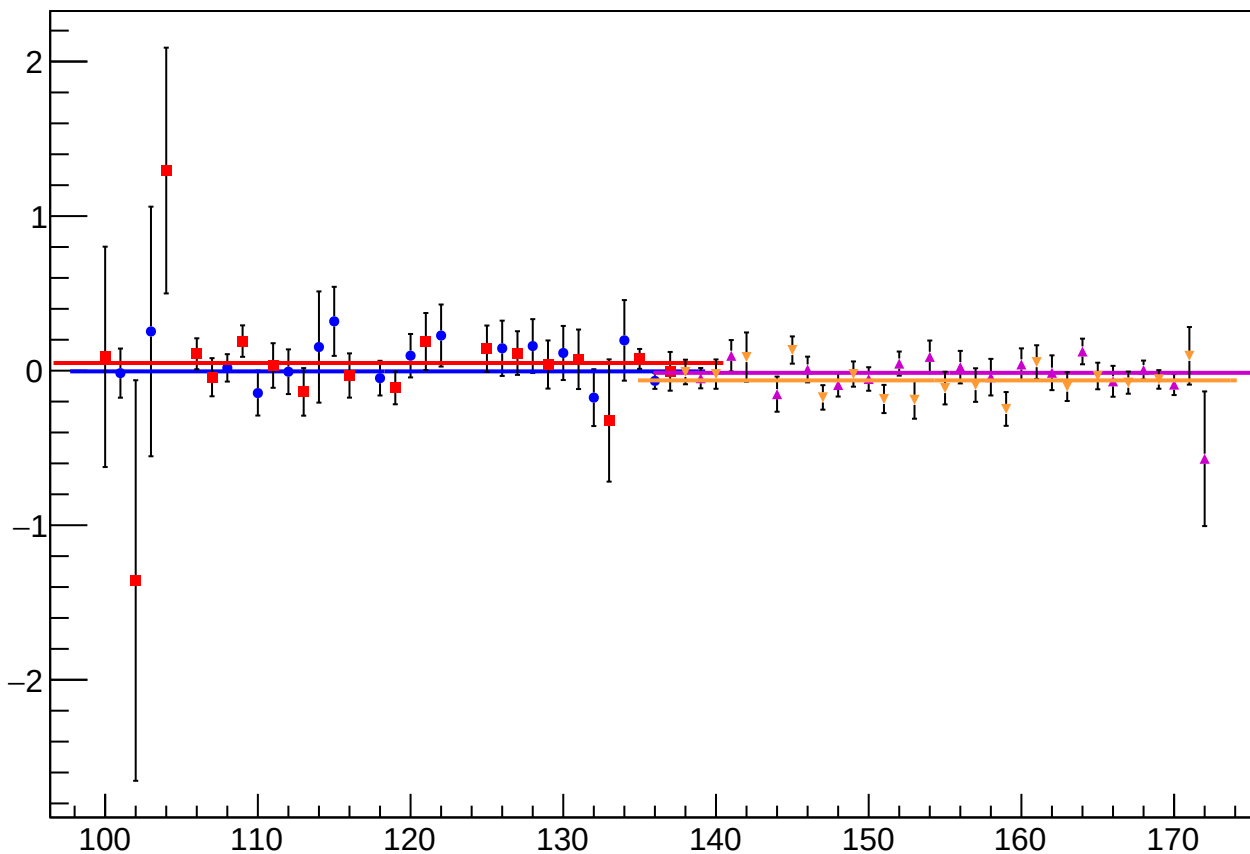
Left In: 71.279 $\pm$ 0.015 χ^2 /NDF: 2386440.7/16

+ sign 73.585 $\pm$ 0.013 χ^2 /NDF: 3940049.3/32

All: 71.977 $\pm$ 0.009 χ^2 /NDF: 9698130.5/67

- sign 70.484 $\pm$ 0.012 χ^2 /NDF: 5728256.5/34

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

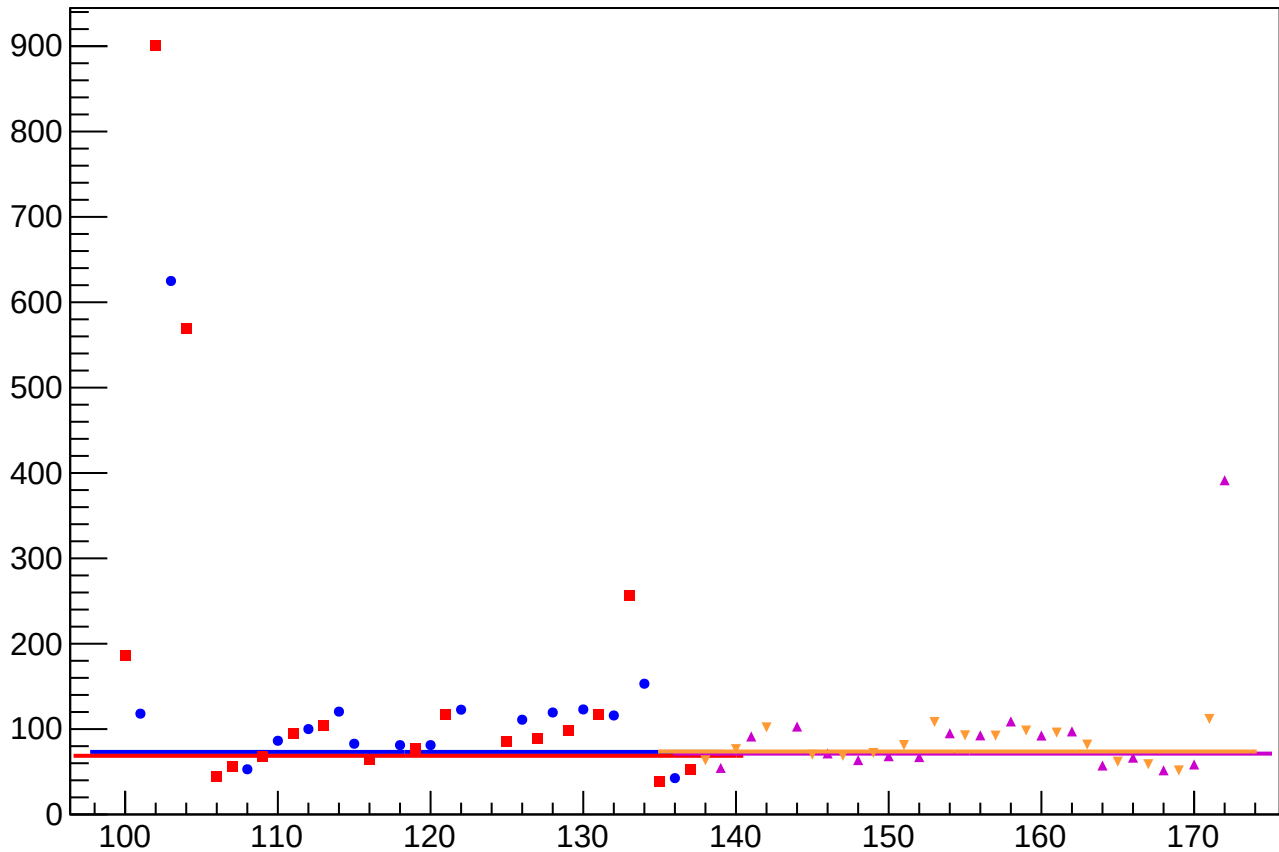
Left In: -0.014 ± 0.021 χ^2/NDF : 12.4/16

+ sign -0.044 ± 0.018 χ^2/NDF : 29.4/32

All: -0.018 ± 0.013 χ^2/NDF : 61.5/67

- sign 0.006 ± 0.018 χ^2/NDF : 28.2/34

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.260 $\pm$ 0.023 χ^2 /NDF: 2852306.8/15

Left Out: 73.740 $\pm$ 0.016 χ^2 /NDF: 1087441.2/16

Right Out: 68.713 $\pm$ 0.022 χ^2 /NDF: 3332744.7/17

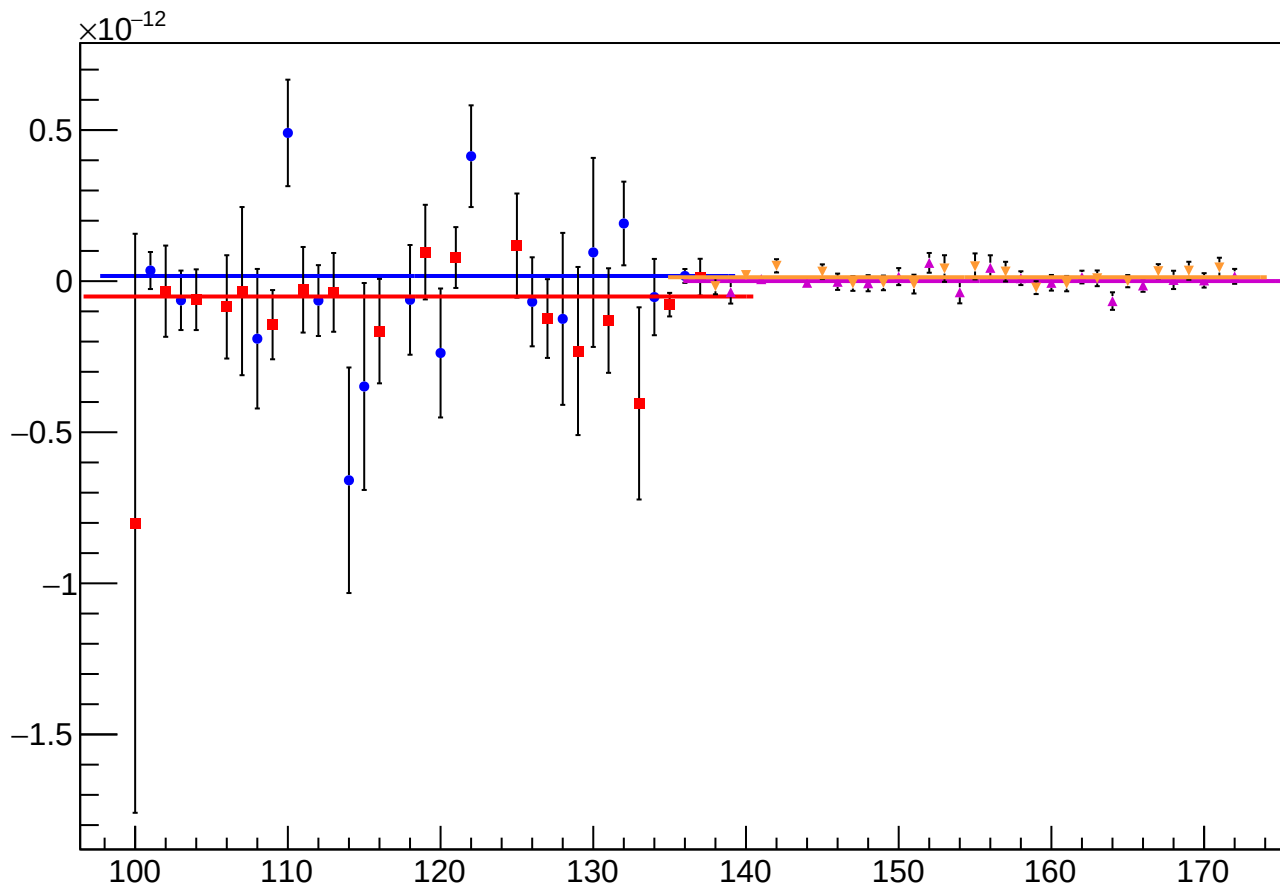
Left In: 71.279 $\pm$ 0.015 χ^2 /NDF: 2386440.7/16

+ sign 73.585 $\pm$ 0.013 χ^2 /NDF: 3940049.3/32

All: 71.977 $\pm$ 0.009 χ^2 /NDF: 9698130.5/67

- sign 70.484 $\pm$ 0.012 χ^2 /NDF: 5728256.5/34

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14.2/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.1/17

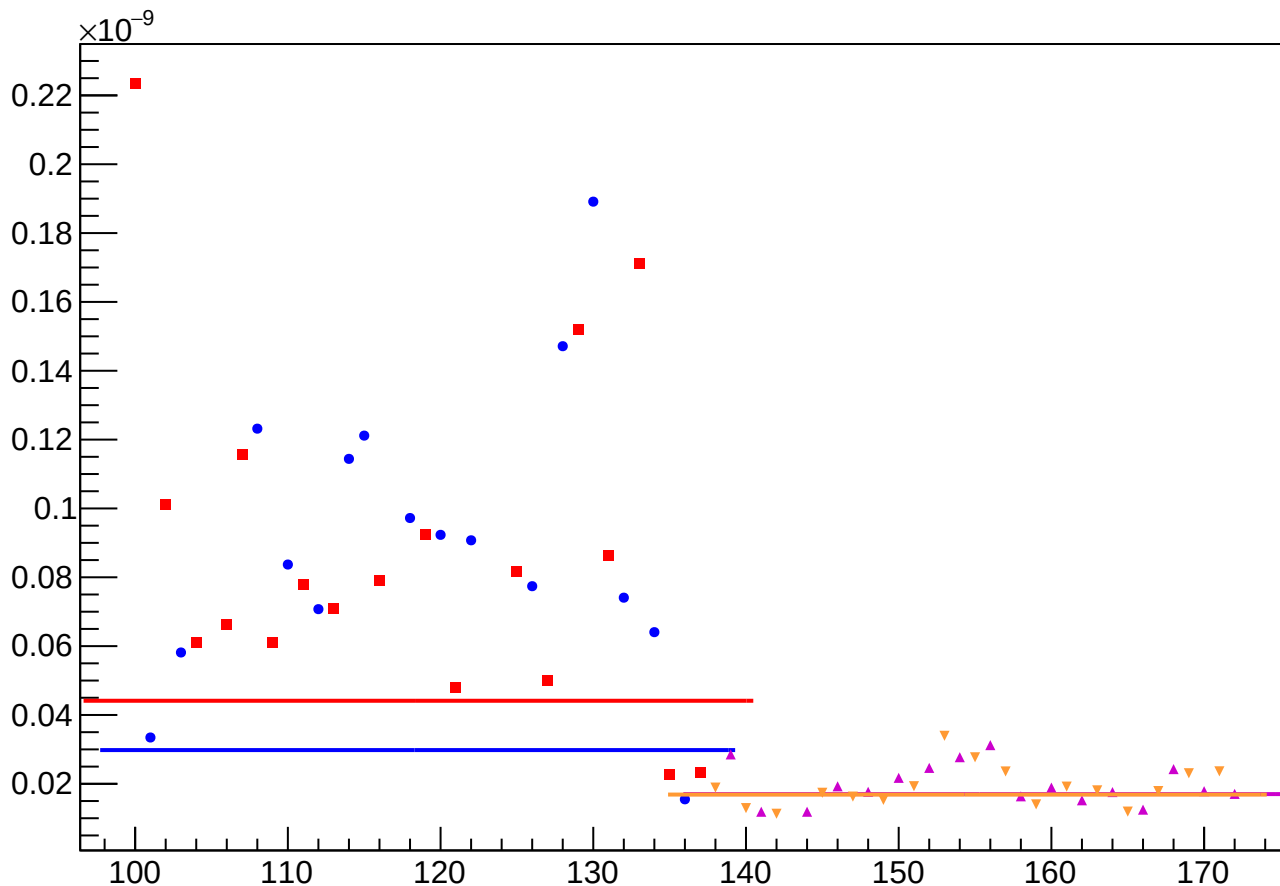
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.6/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 68.2/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.8/34

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1140094.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 2779318.5/17

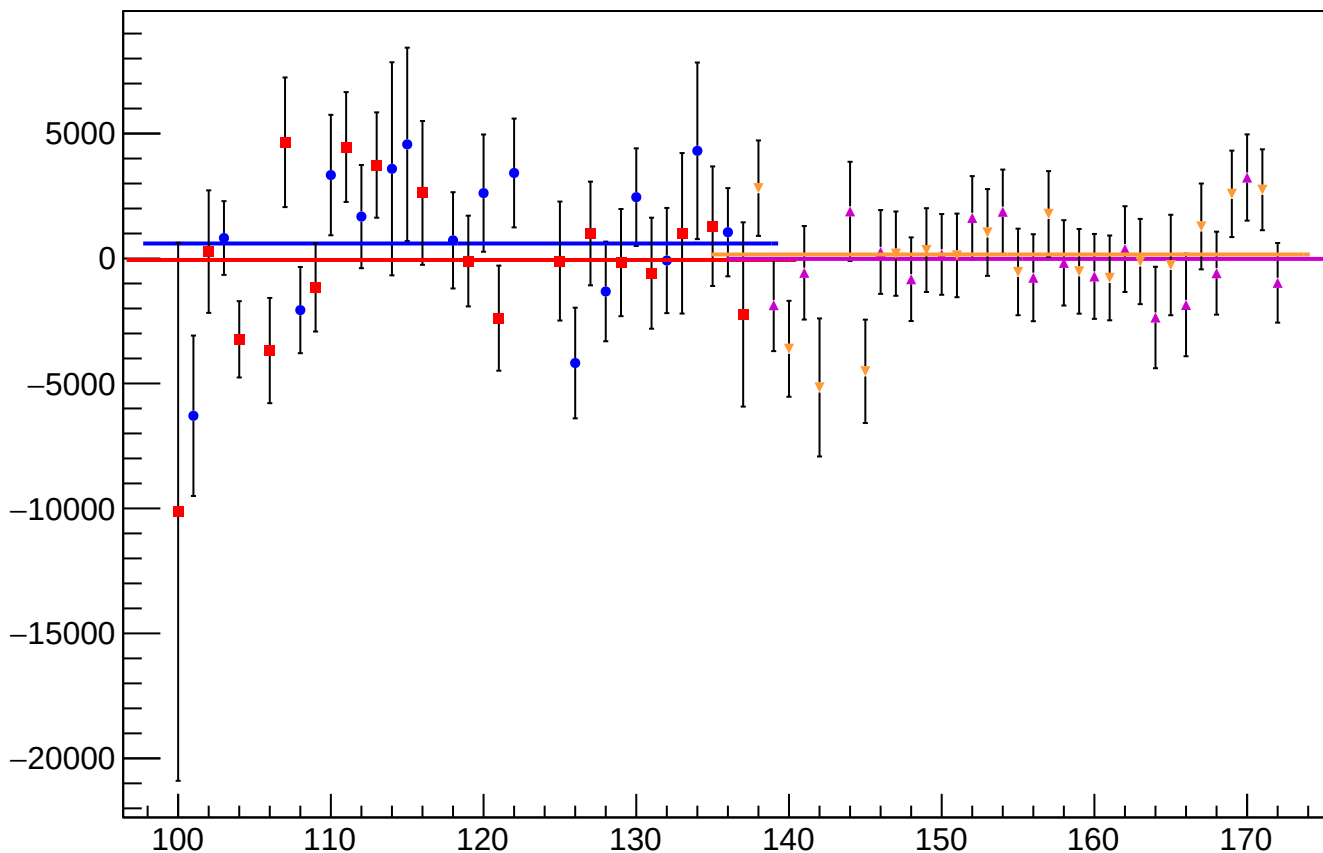
Left In: 0.000+/-0.000 χ^2/NDF : 1404892.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 6031295.1/32

All: 0.000+/-0.000 χ^2/NDF : 12481989.0/67

- sign 0.000+/-0.000 χ^2/NDF : 6444924.0/34

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 600.146 $\pm$ 540.053 χ^2 /NDF: 20.3/15

Left Out: 161.808 $\pm$ 433.368 χ^2 /NDF:21.4/16

Right Out: -59.091 $\pm$ 530.206 χ^2 /NDF: 22.5/17

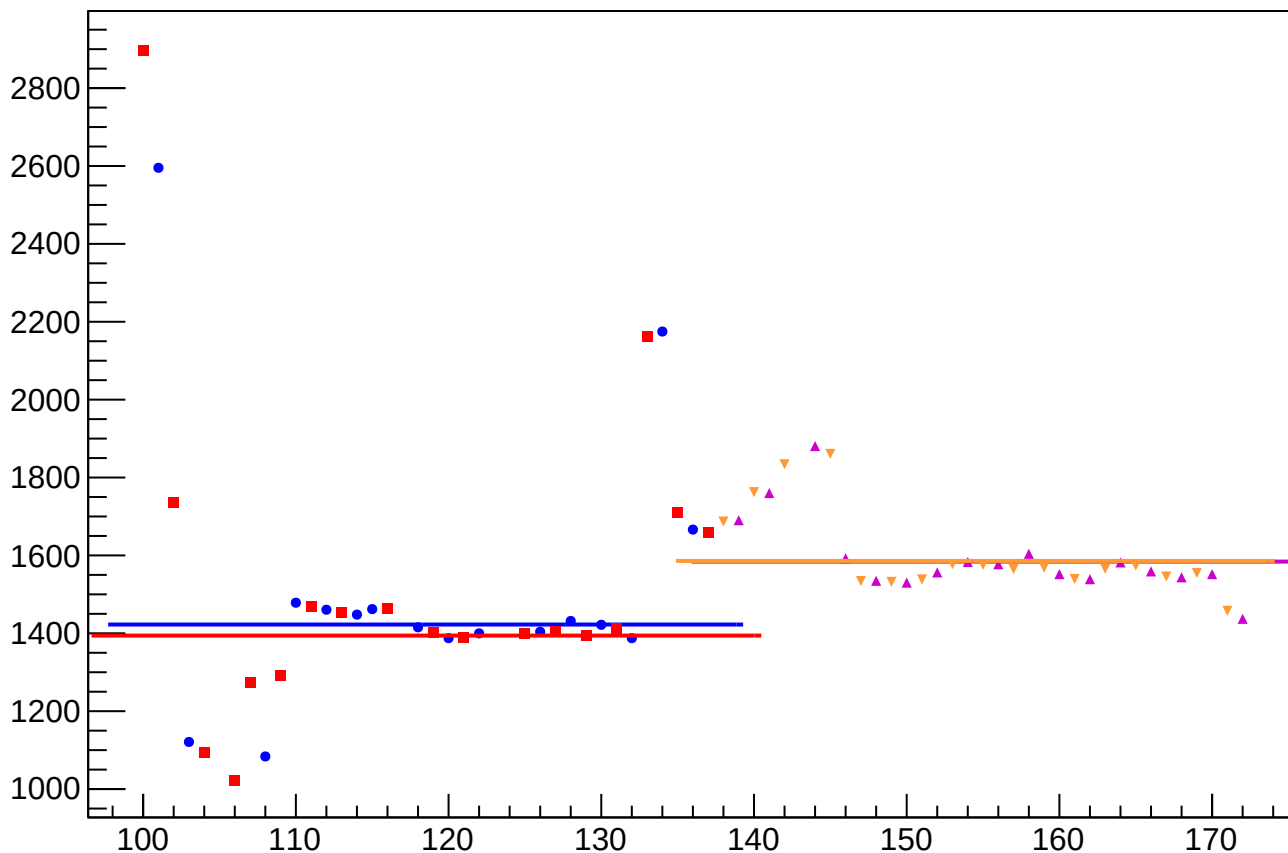
Left In: -16.657 $\pm$ 423.609 χ^2 /NDF:11.1/16

+ sign 333.506 $\pm$ 337.998 χ^2 /NDF: 42.2/32

All: 146.296 $\pm$ 236.470 χ^2 /NDF: 76.4/67

- sign -33.190 $\pm$ 330.952 χ^2 /NDF: 33.7/34

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 $\pm$ 0.382 χ^2 /NDF: 560259.3/15

Left Out: 1585.859 $\pm$ 0.306 χ^2 /NDF: 96338.7/16

Right Out: 1394.171 $\pm$ 0.375 χ^2 /NDF: 393666.0/17

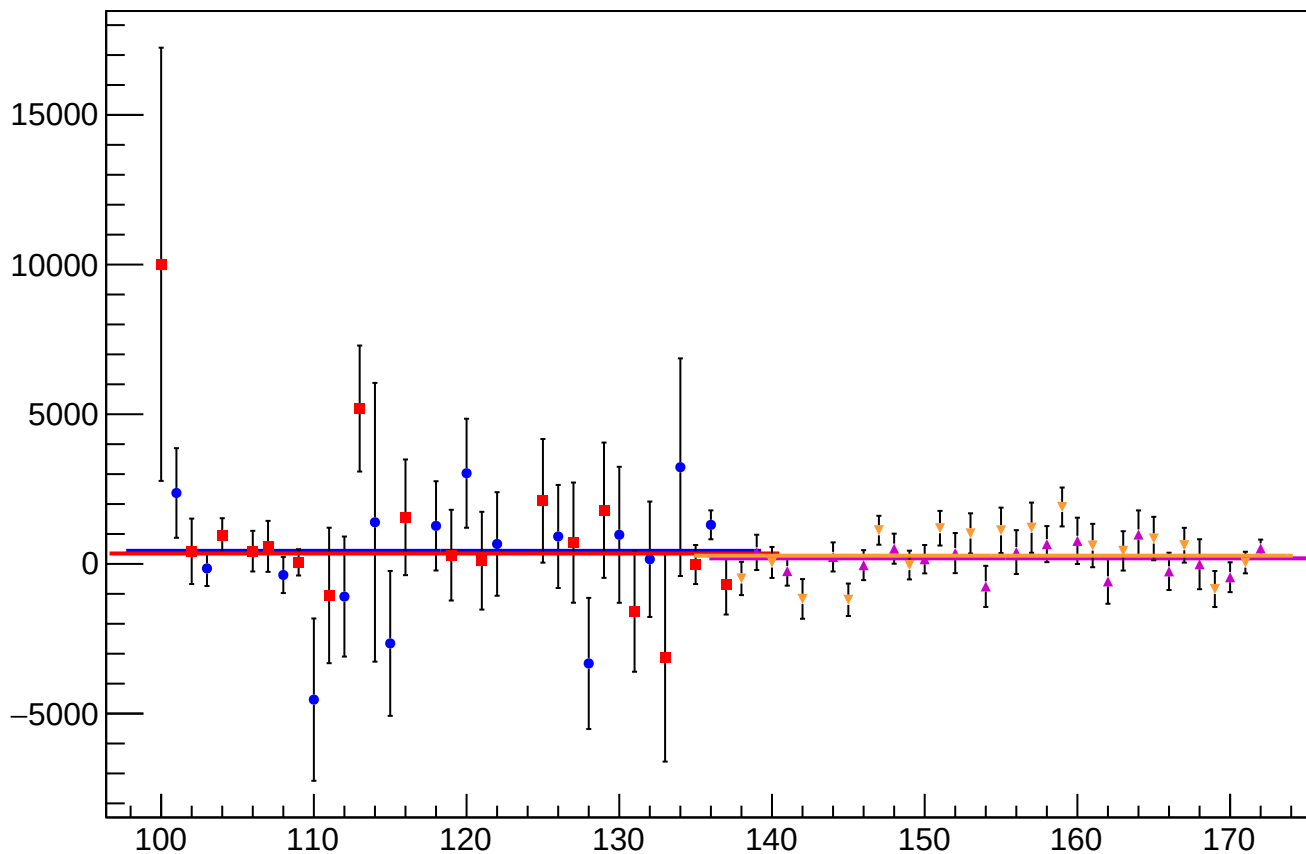
Left In: 1584.159 $\pm$ 0.300 χ^2 /NDF: 95355.2/16

+ sign 1521.877 $\pm$ 0.239 χ^2 /NDF: 767894.2/32

All: 1515.882 $\pm$ 0.167 χ^2 /NDF: 1414894.2/67

- sign 1510.136 $\pm$ 0.234 χ^2 /NDF: 645768.0/34

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 436.509 $\pm$ 275.917 χ^2 /NDF: 19.3/15

Left Out: 275.835 $\pm$ 139.322 χ^2 /NDF:35.3/16

Right Out: 348.567 $\pm$ 233.745 χ^2 /NDF: 13.9/17

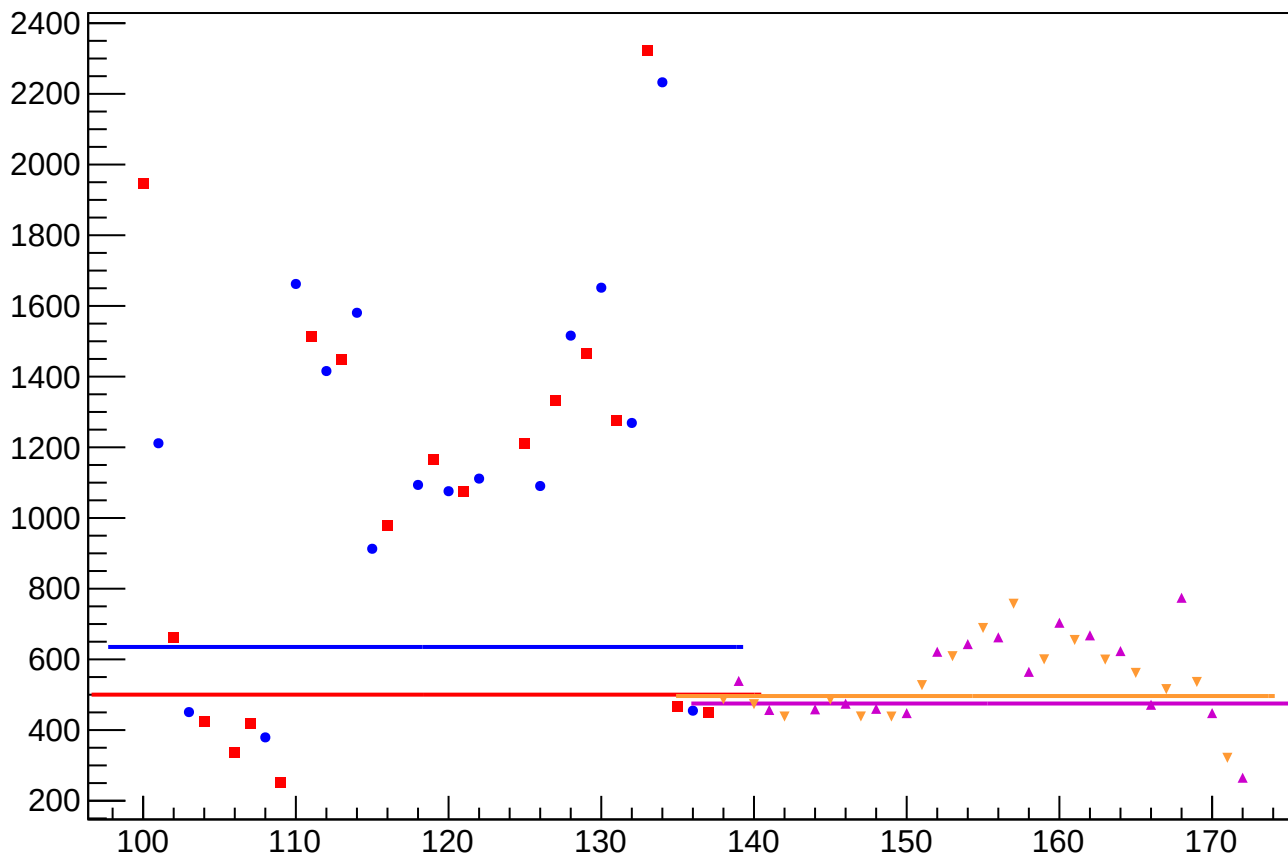
Left In: 185.954 $\pm$ 132.242 χ^2 /NDF:10.1/16

+ sign 308.478 $\pm$ 124.367 χ^2 /NDF: 54.9/32

All: 263.719 $\pm$ 84.474 χ^2 /NDF: 79.6/67

- sign 225.383 $\pm$ 115.098 χ^2 /NDF: 24.4/34

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 635.135+/-0.195 χ^2/NDF : 3752583.4/15

Left Out: 496.313+/-0.099 χ^2/NDF : 1155356.8/16

Right Out: 500.231+/-0.165 χ^2/NDF : 4309093.1/17

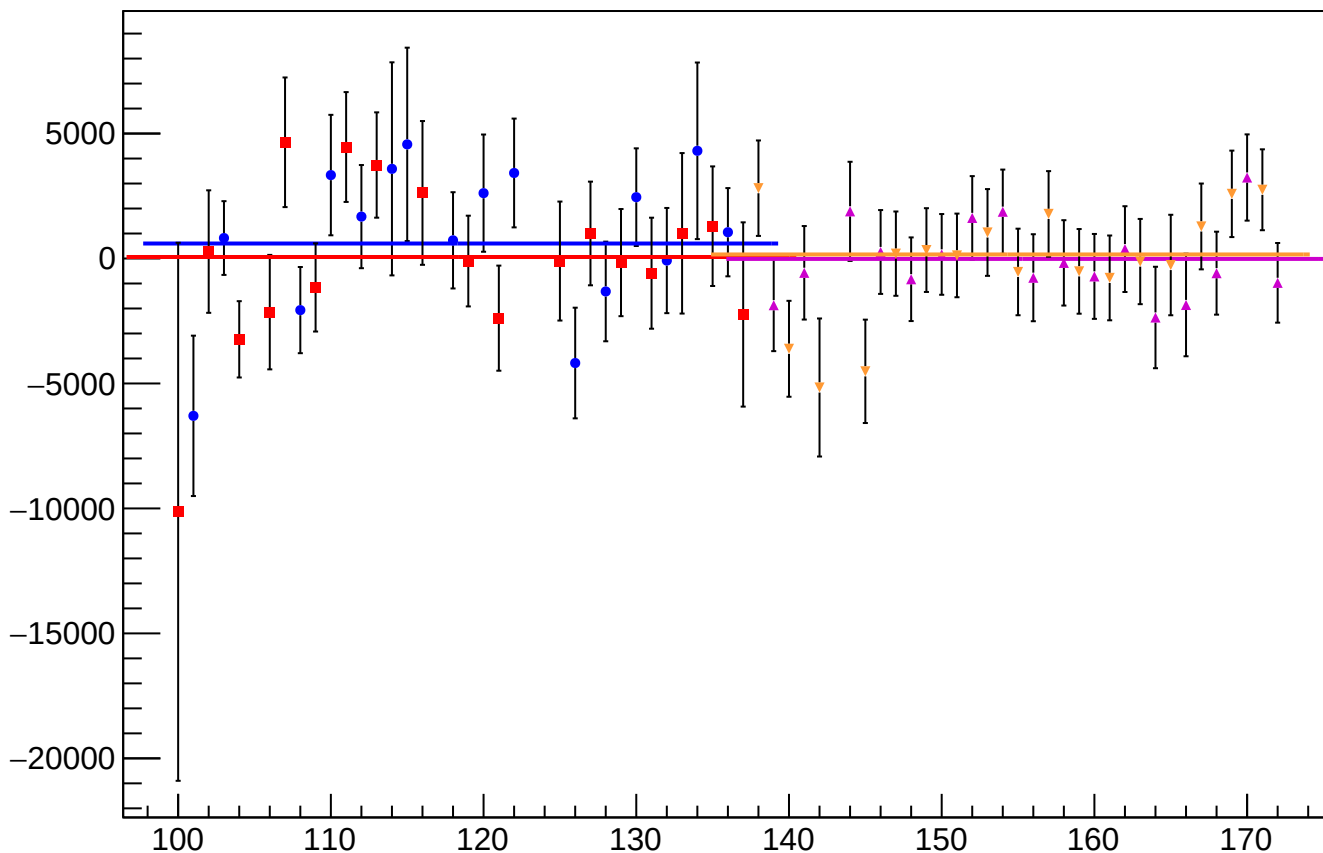
Left In: 475.121+/-0.094 χ^2/NDF : 2075823.6/16

+ sign 524.517+/-0.088 χ^2/NDF : 5311357.9/32

All: 501.190+/-0.060 χ^2/NDF : 11844395.4/67

- sign 481.209+/-0.081 χ^2/NDF : 6402401.6/34

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

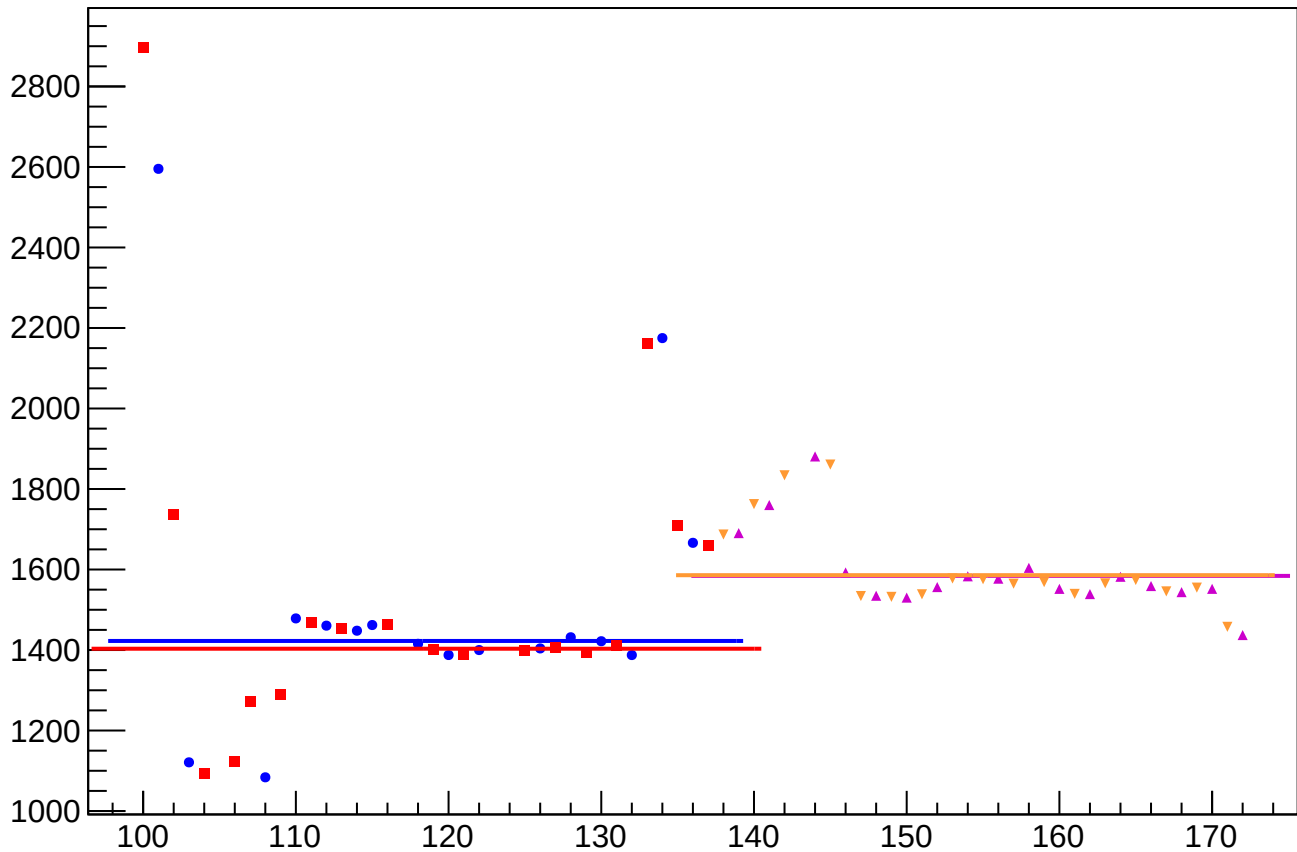
Left In: -16.625+/-423.609 χ^2/NDF : 11.1/16

+ sign 333.398+/-337.998 χ^2/NDF : 42.2/32

All: 170.228+/-236.701 χ^2/NDF : 74.1/67

- sign 13.190+/-331.586 χ^2/NDF : 31.5/34

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 $\pm$ 0.382 χ^2 /NDF: 560259.5/15

Left Out: 1585.859 $\pm$ 0.306 χ^2 /NDF: 96338.7/16

Right Out: 1403.220 $\pm$ 0.377 χ^2 /NDF: 359113.5/17

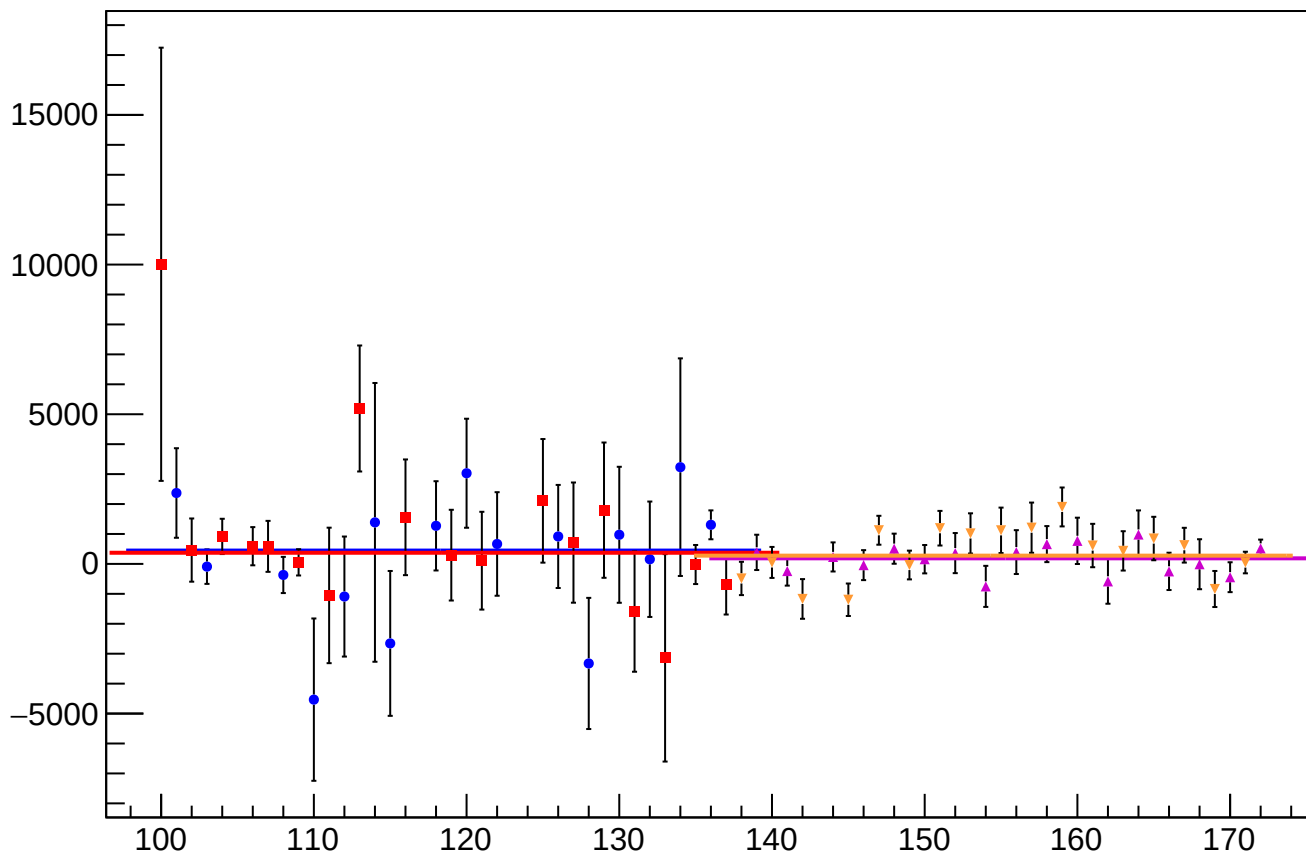
Left In: 1584.159 $\pm$ 0.300 χ^2 /NDF: 95355.2/16

+ sign 1521.876 $\pm$ 0.239 χ^2 /NDF: 767894.6/32

All: 1517.906 $\pm$ 0.167 χ^2 /NDF: 1364221.2/67

- sign 1514.085 $\pm$ 0.234 χ^2 /NDF: 595785.1/34

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



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

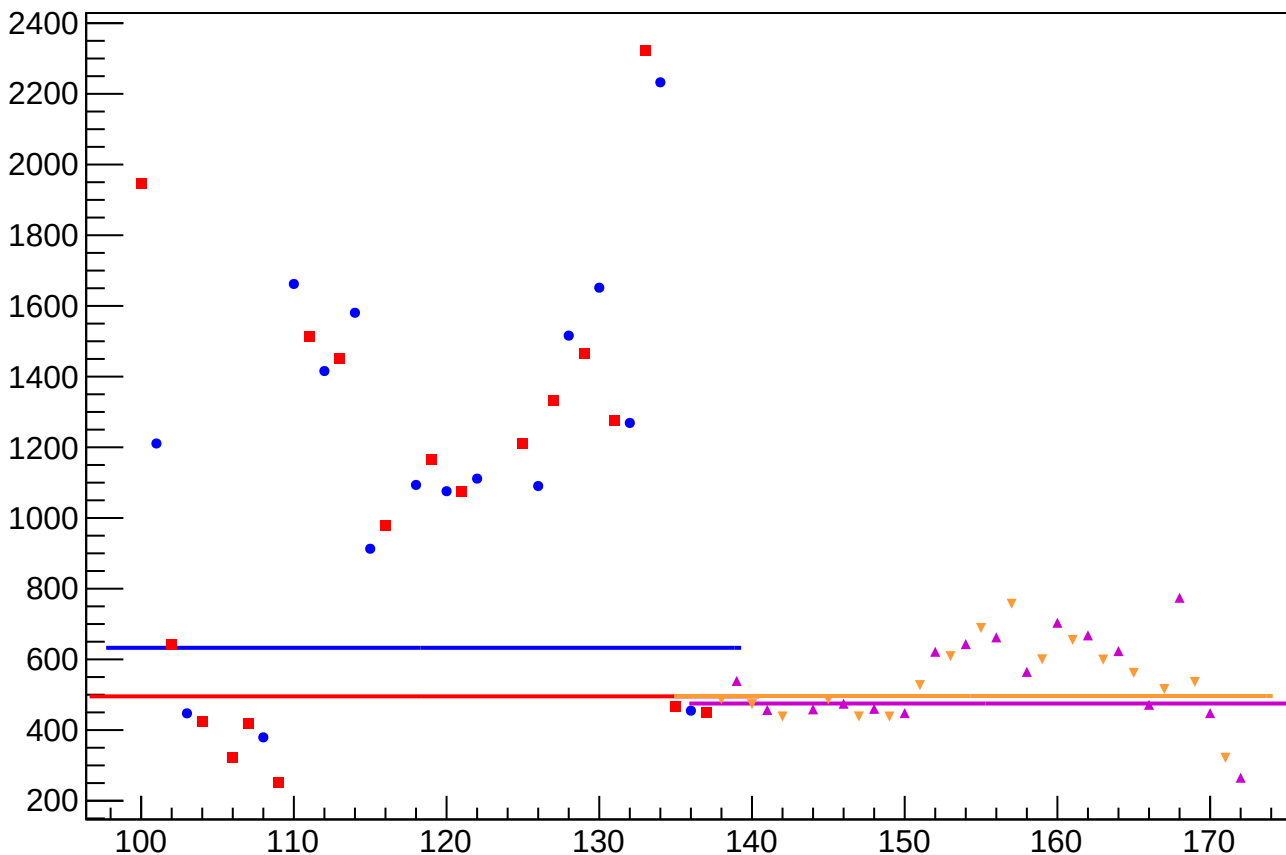
Left In: 186.062+/-132.241 χ^2/NDF : 10.1/16

+ sign 310.503+/-124.260 χ^2/NDF : 54.8/32

All: 268.145+/-84.326 χ^2/NDF : 79.6/67

- sign 231.984+/-114.809 χ^2/NDF : 24.6/34

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 632.753+/-0.194 χ^2/NDF : 3767731.7/15

Left Out: 496.322+/-0.099 χ^2/NDF : 1155285.5/16

Right Out: 495.380+/-0.164 χ^2/NDF : 4337484.8/17

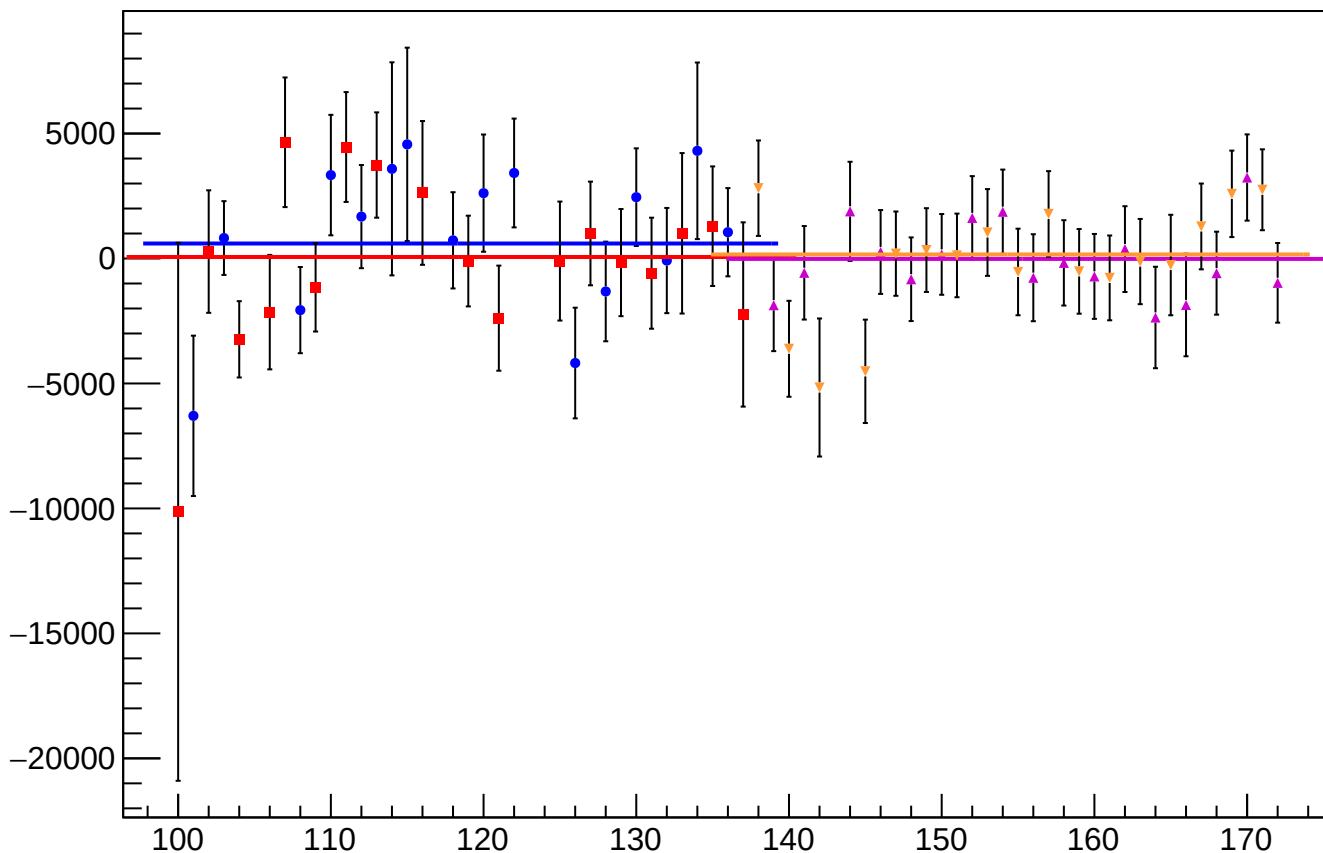
Left In: 475.117+/-0.094 χ^2/NDF : 2075830.2/16

+ sign 524.231+/-0.088 χ^2/NDF : 5315323.8/32

All: 500.427+/-0.060 χ^2/NDF : 11876246.1/67

- sign 480.107+/-0.081 χ^2/NDF : 6424878.8/34

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

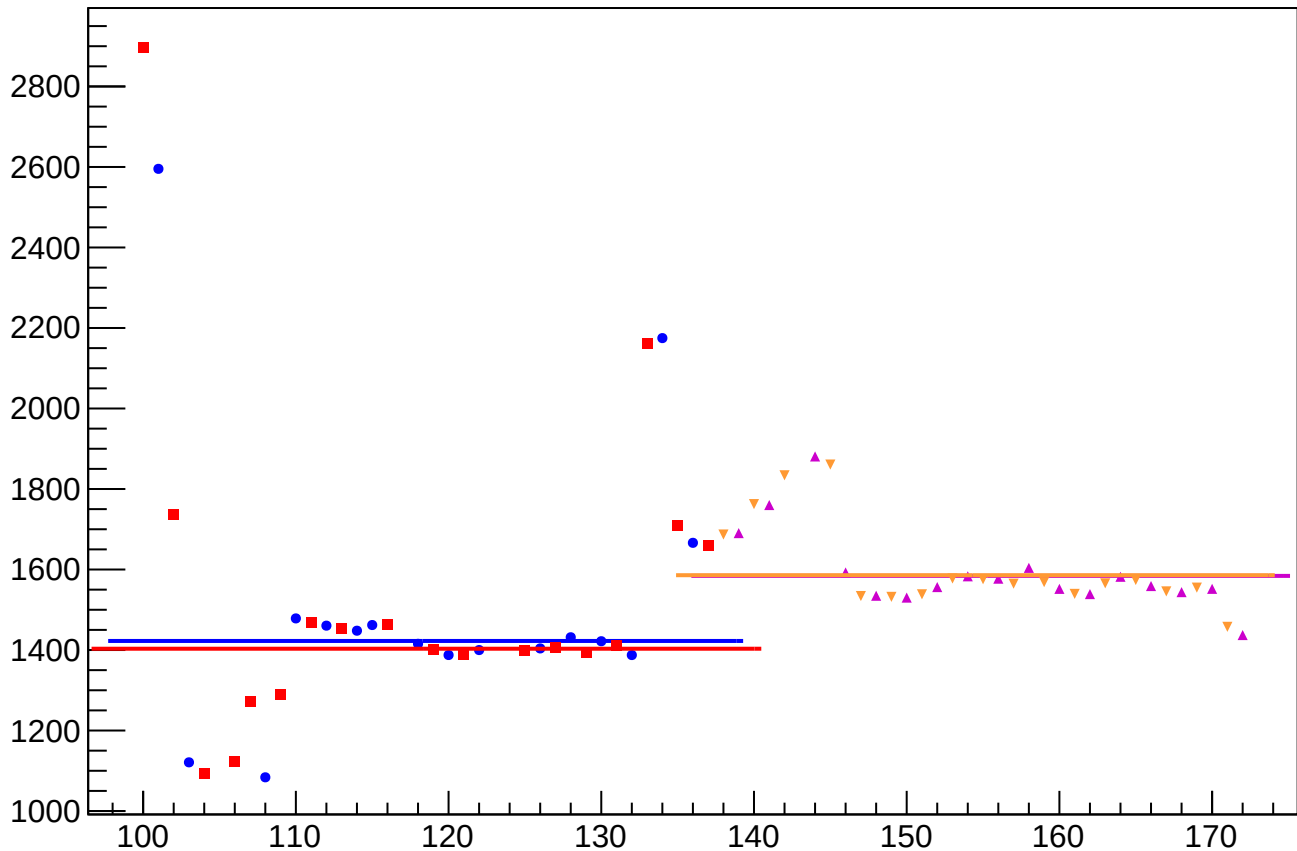
Left In: -16.625+/-423.609 χ^2/NDF : 11.1/16

+ sign 333.398+/-337.998 χ^2/NDF : 42.2/32

All: 170.228+/-236.701 χ^2/NDF : 74.1/67

- sign 13.190+/-331.586 χ^2/NDF : 31.5/34

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1422.515 $\pm$ 0.382 χ^2 /NDF: 560259.5/15

Left Out: 1585.859 $\pm$ 0.306 χ^2 /NDF: 96338.7/16

Right Out: 1403.220 $\pm$ 0.377 χ^2 /NDF: 359113.5/17

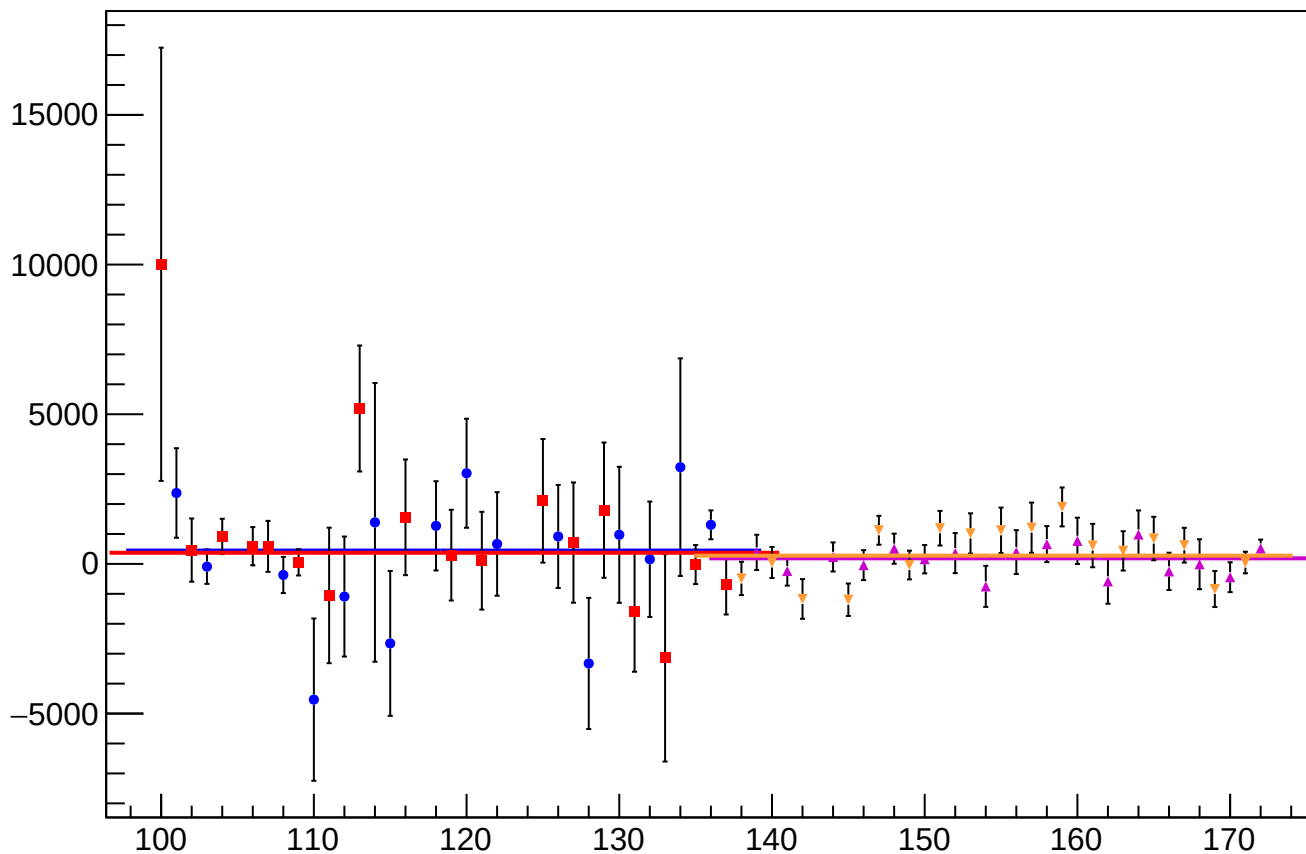
Left In: 1584.159 $\pm$ 0.300 χ^2 /NDF: 95355.2/16

+ sign 1521.876 $\pm$ 0.239 χ^2 /NDF: 767894.6/32

All: 1517.906 $\pm$ 0.167 χ^2 /NDF: 1364221.2/67

- sign 1514.085 $\pm$ 0.234 χ^2 /NDF: 595785.1/34

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



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

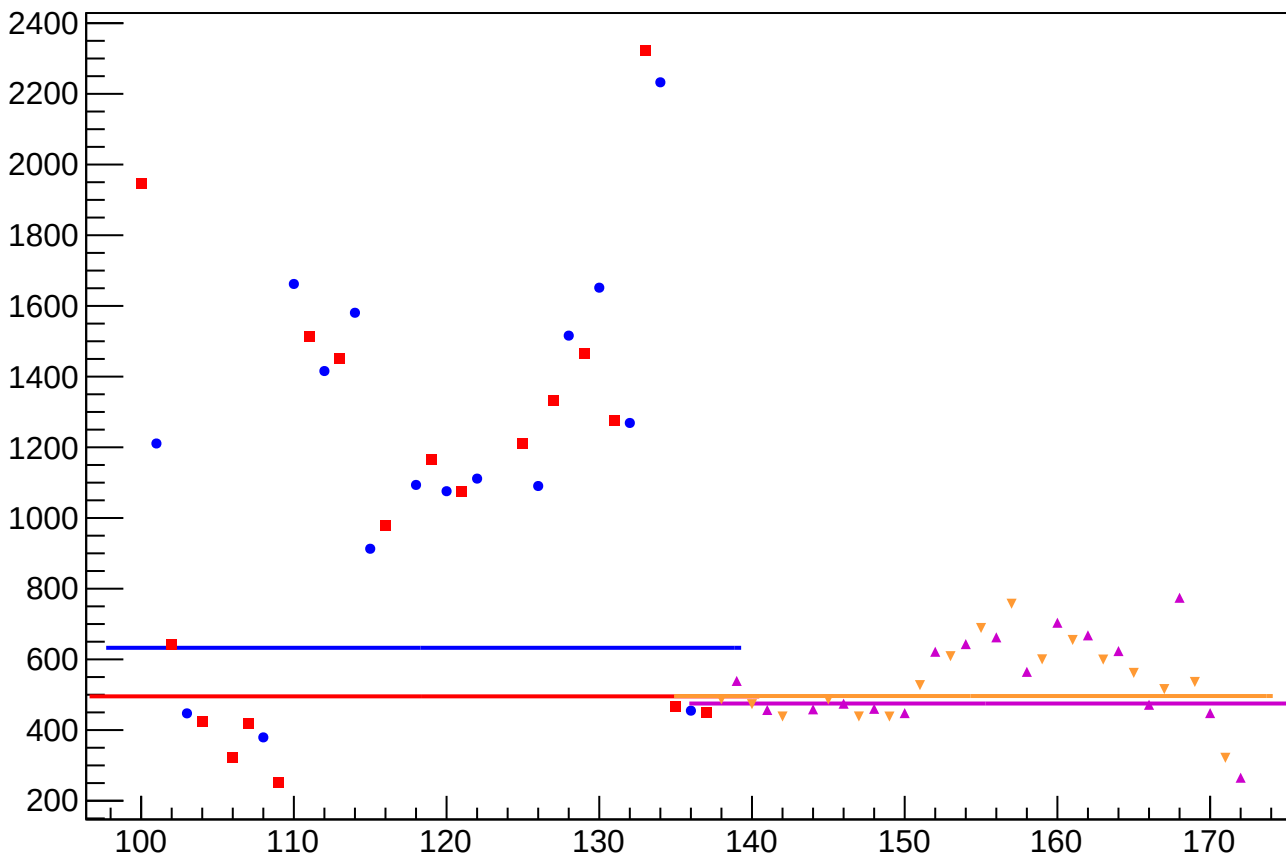
Left In: 186.062+/-132.241 χ^2/NDF : 10.1/16

+ sign 310.503+/-124.260 χ^2/NDF : 54.8/32

All: 268.145+/-84.326 χ^2/NDF : 79.6/67

- sign 231.984+/-114.809 χ^2/NDF : 24.6/34

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



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

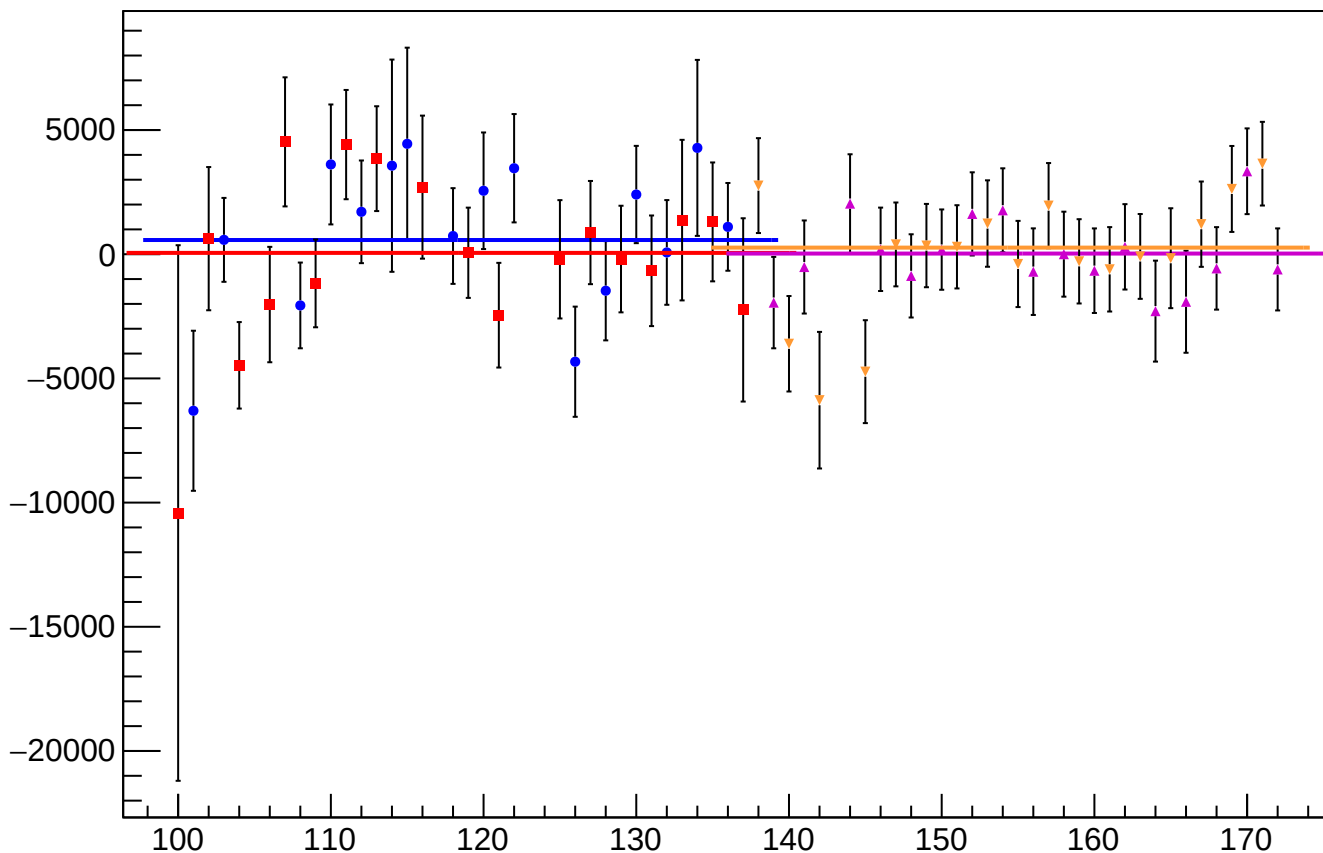
Left In: 475.117+/-0.094 χ^2/NDF : 2075830.2/16

+ sign 524.231+/-0.088 χ^2/NDF : 5315323.8/32

All: 500.427+/-0.060 χ^2/NDF : 11876246.1/67

- sign 480.107+/-0.081 χ^2/NDF : 6424878.8/34

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.289 $\pm$ 549.638 χ^2 /NDF: 20.8/15

Left Out: 266.255 $\pm$ 435.021 χ^2 /NDF:24.7/16

Right Out: 53.754 $\pm$ 545.353 χ^2 /NDF: 22.5/17

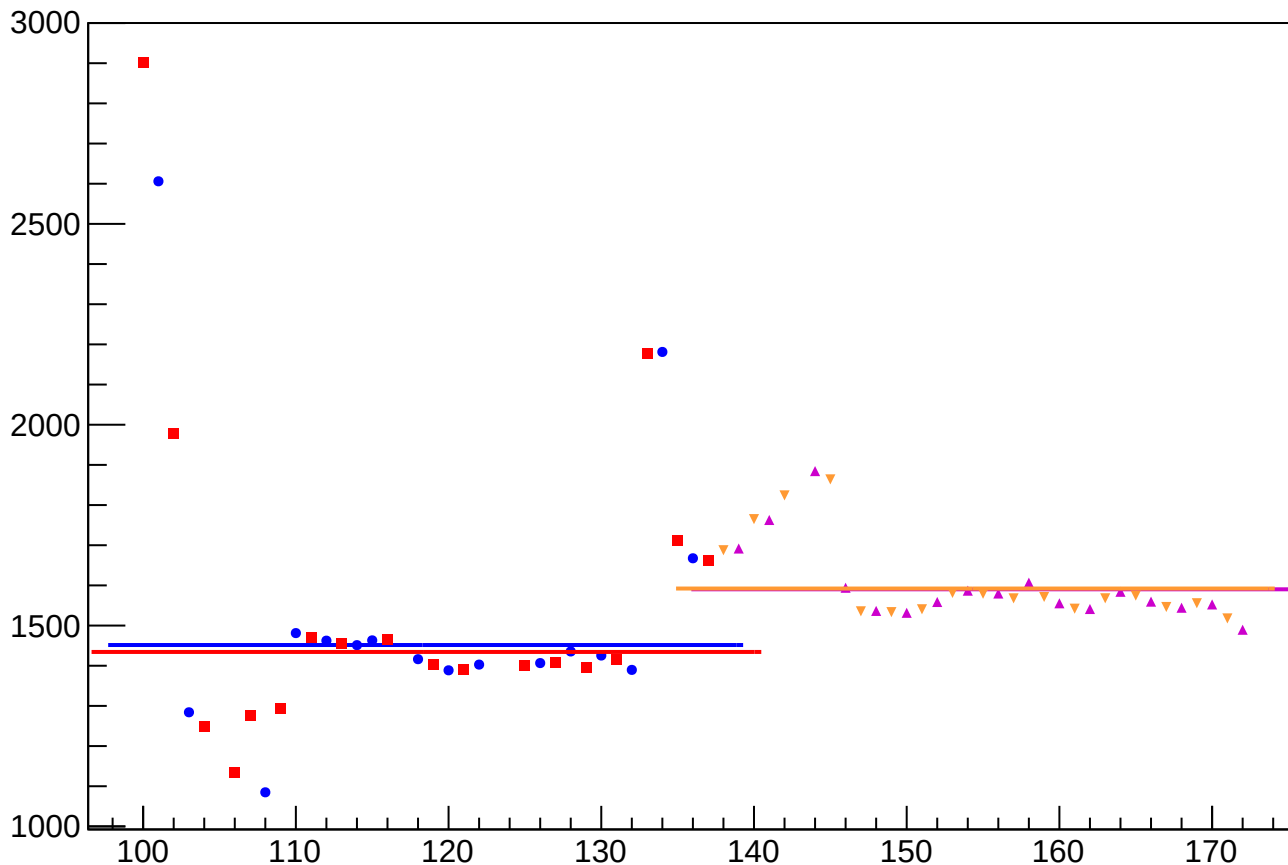
Left In: 26.818 $\pm$ 425.168 χ^2 /NDF:11.1/16

+ sign 384.125 $\pm$ 341.109 χ^2 /NDF: 45.6/32

All: 207.586 $\pm$ 239.123 χ^2 /NDF: 79.7/67

- sign 37.001 $\pm$ 335.308 χ^2 /NDF: 33.6/34

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 0.389 χ^2 /NDF: 487836.7/15

Left Out: 1592.192 $\pm$ 0.308 χ^2 /NDF: 85820.3/16

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

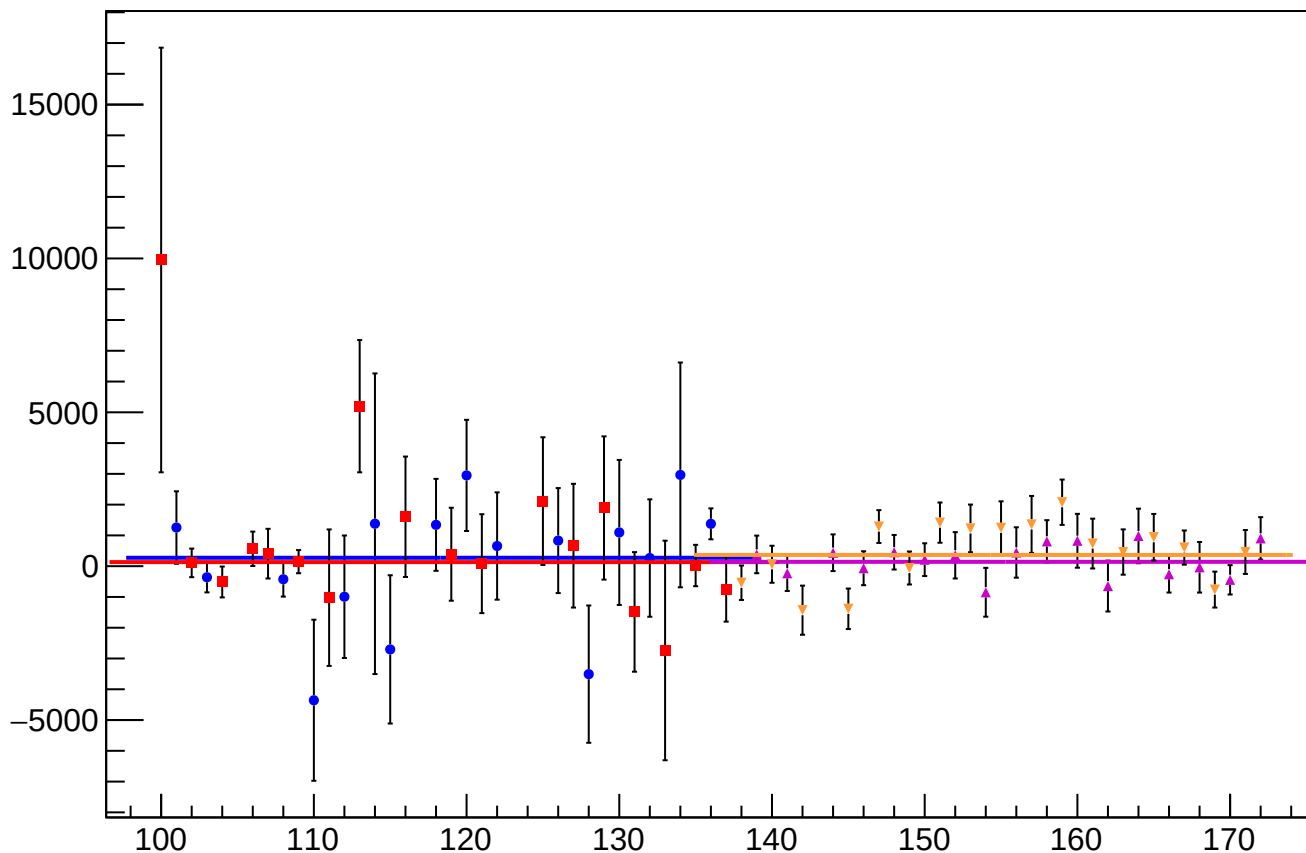
Left In: 1590.264 $\pm$ 0.301 χ^2 /NDF: 85455.6/16

+ sign 1538.035 $\pm$ 0.241 χ^2 /NDF: 654138.7/32

All: 1534.616 $\pm$ 0.169 χ^2 /NDF: 1170291.9/67

- sign 1531.312 $\pm$ 0.237 χ^2 /NDF: 515758.1/34

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 273.439 $\pm$ 260.537 χ^2 /NDF: 20.2/15

Left Out: 365.384 $\pm$ 161.234 χ^2 /NDF:34.8/16

Right Out: 132.573 $\pm$ 195.933 χ^2 /NDF: 14.4/17

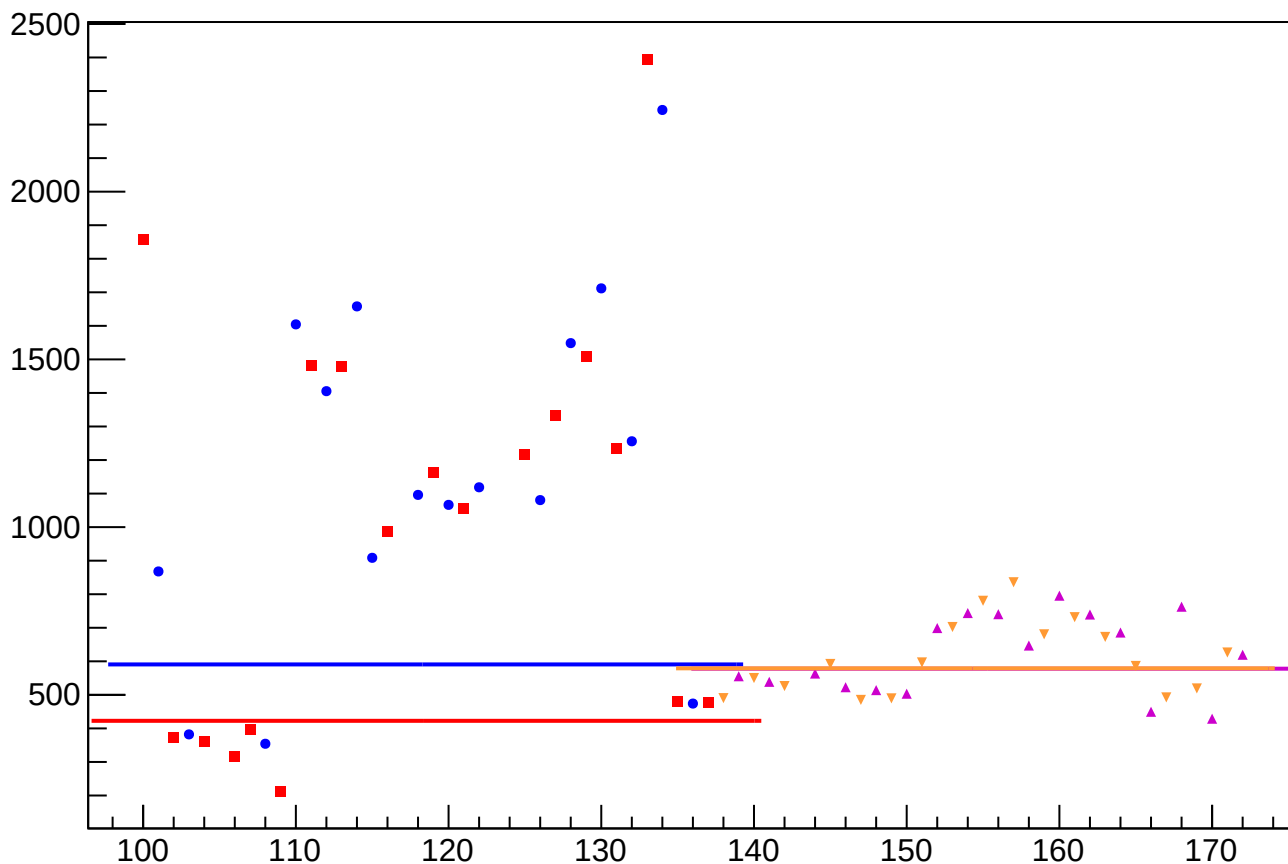
Left In: 141.416 $\pm$ 157.518 χ^2 /NDF:9.6/16

+ sign 339.922 $\pm$ 137.104 χ^2 /NDF: 55.1/32

All: 227.823 $\pm$ 91.459 χ^2 /NDF: 80.3/67

- sign 137.944 $\pm$ 122.765 χ^2 /NDF: 24.1/34

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



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

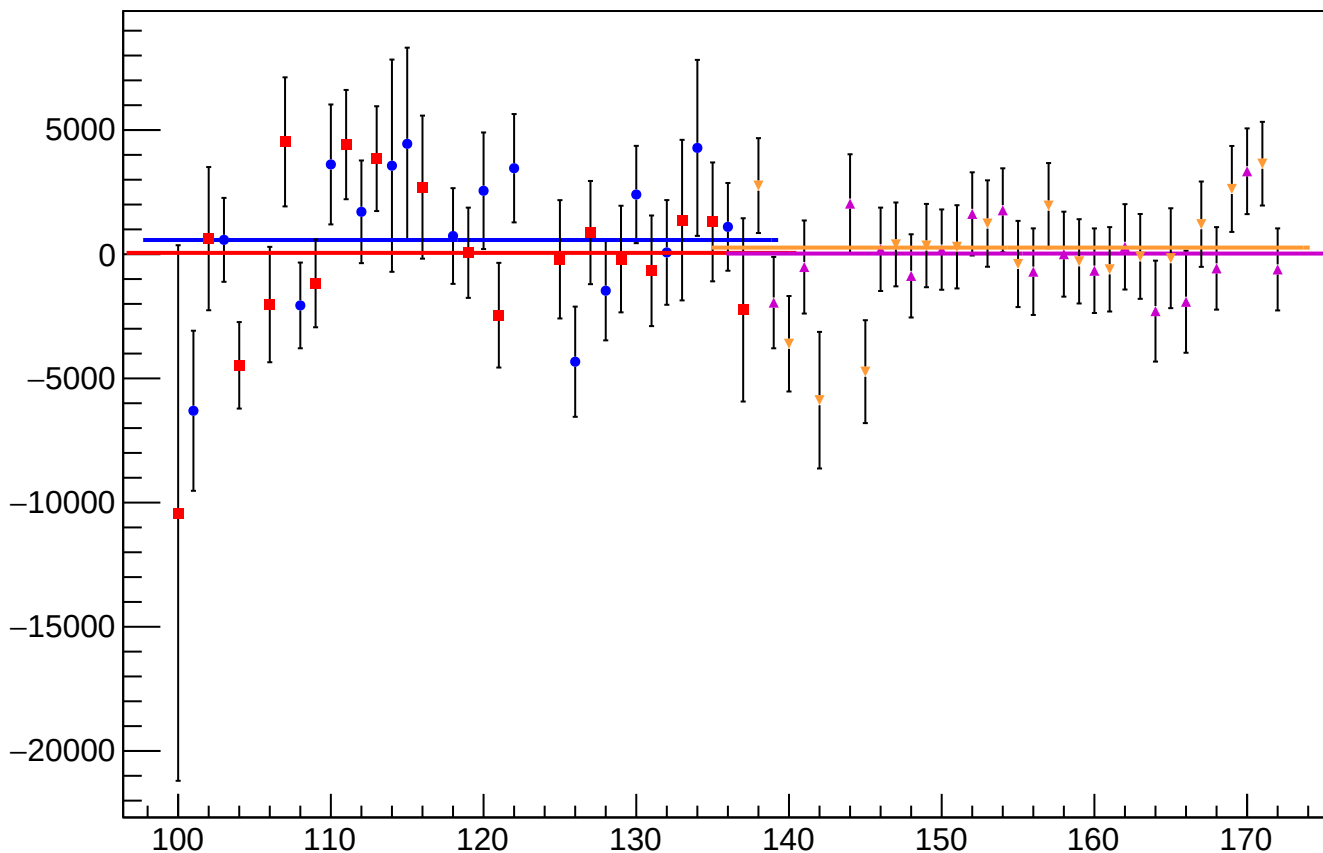
Left In: 578.031+/-0.111 χ^2/NDF : 962399.1/16

+ sign 582.330+/-0.097 χ^2/NDF : 4606365.0/32

All: 546.084+/-0.065 χ^2/NDF : 11442849.1/67

- sign 517.023+/-0.087 χ^2/NDF : 6584629.2/34

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 572.290 $\pm$ 549.638 χ^2 /NDF: 20.8/15

Left Out: 266.249 $\pm$ 435.021 χ^2 /NDF:24.7/16

Right Out: 53.752 $\pm$ 545.353 χ^2 /NDF: 22.5/17

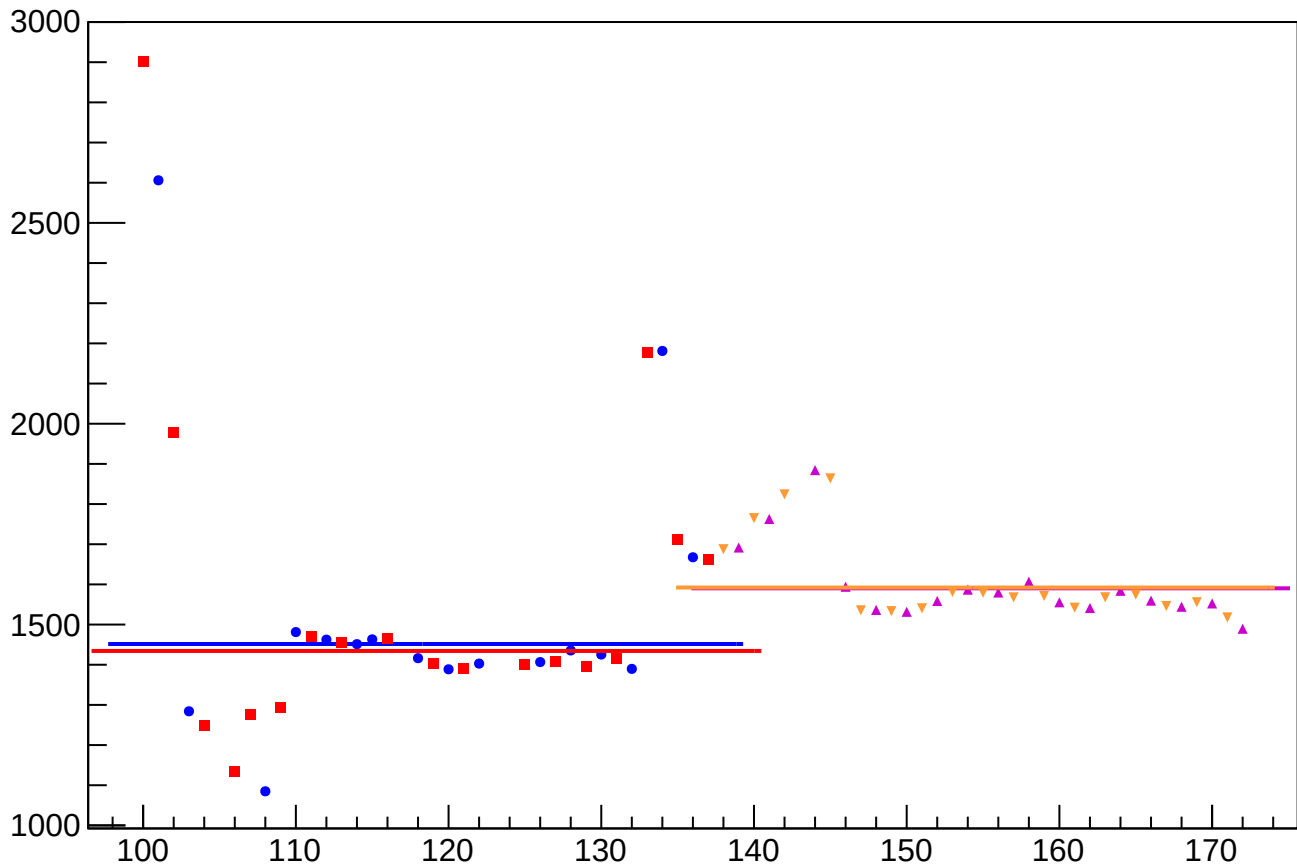
Left In: 26.815 $\pm$ 425.168 χ^2 /NDF:11.1/16

+ sign 384.122 $\pm$ 341.109 χ^2 /NDF: 45.6/32

All: 207.583 $\pm$ 239.123 χ^2 /NDF: 79.7/67

- sign 36.998 $\pm$ 335.308 χ^2 /NDF: 33.6/34

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1451.579 $\pm$ 0.389 χ^2 /NDF: 487836.2/15

Left Out: 1592.192 $\pm$ 0.308 χ^2 /NDF: 85820.9/16

Right Out: 1434.321 $\pm$ 0.386 χ^2 /NDF: 328590.5/17

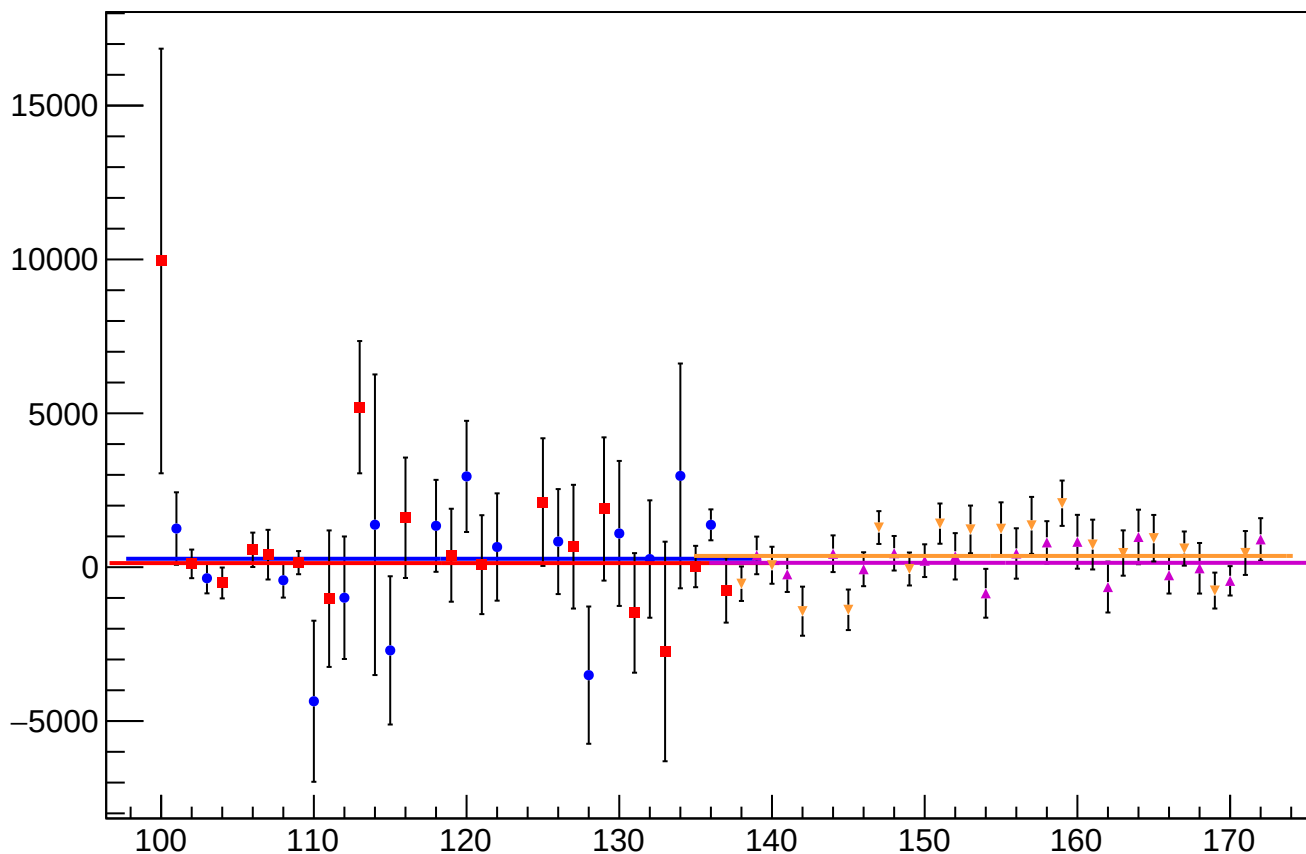
Left In: 1590.264 $\pm$ 0.301 χ^2 /NDF: 85456.3/16

+ sign 1538.035 $\pm$ 0.241 χ^2 /NDF: 654138.6/32

All: 1534.616 $\pm$ 0.169 χ^2 /NDF: 1170292.3/67

- sign 1531.312 $\pm$ 0.237 χ^2 /NDF: 515758.7/34

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 273.429 $\pm$ 260.536 χ^2 /NDF: 20.2/15

Left Out: 365.392 $\pm$ 161.234 χ^2 /NDF:34.8/16

Right Out: 132.567 $\pm$ 195.935 χ^2 /NDF: 14.4/17

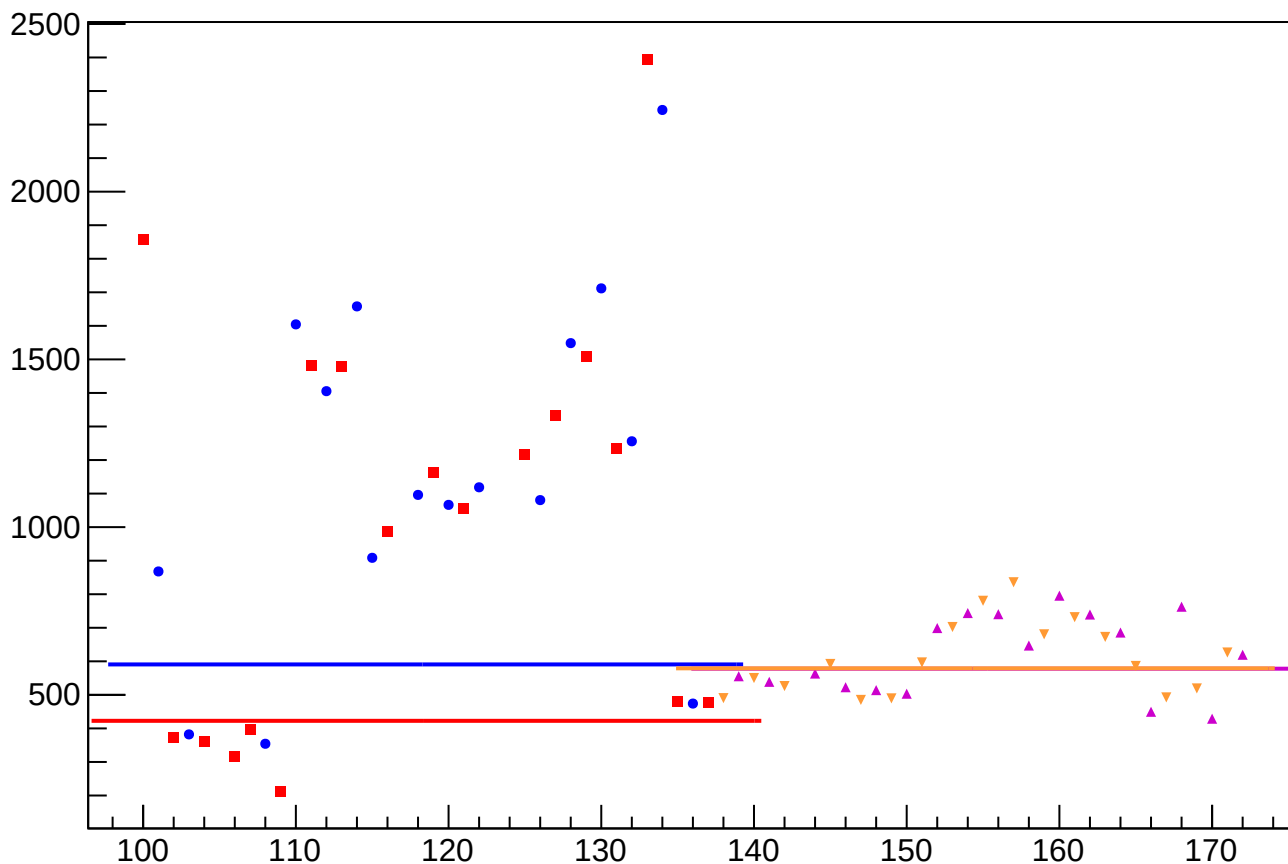
Left In: 141.418 $\pm$ 157.518 χ^2 /NDF:9.6/16

+ sign 339.925 $\pm$ 137.104 χ^2 /NDF: 55.1/32

All: 227.824 $\pm$ 91.459 χ^2 /NDF: 80.3/67

- sign 137.943 $\pm$ 122.765 χ^2 /NDF: 24.1/34

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 590.747 $\pm$ 0.184 χ^2 /NDF: 3885530.6/15

Left Out: 579.107 $\pm$ 0.114 χ^2 /NDF: 717958.4/16

Right Out: 422.634 $\pm$ 0.139 χ^2 /NDF: 4857932.7/17

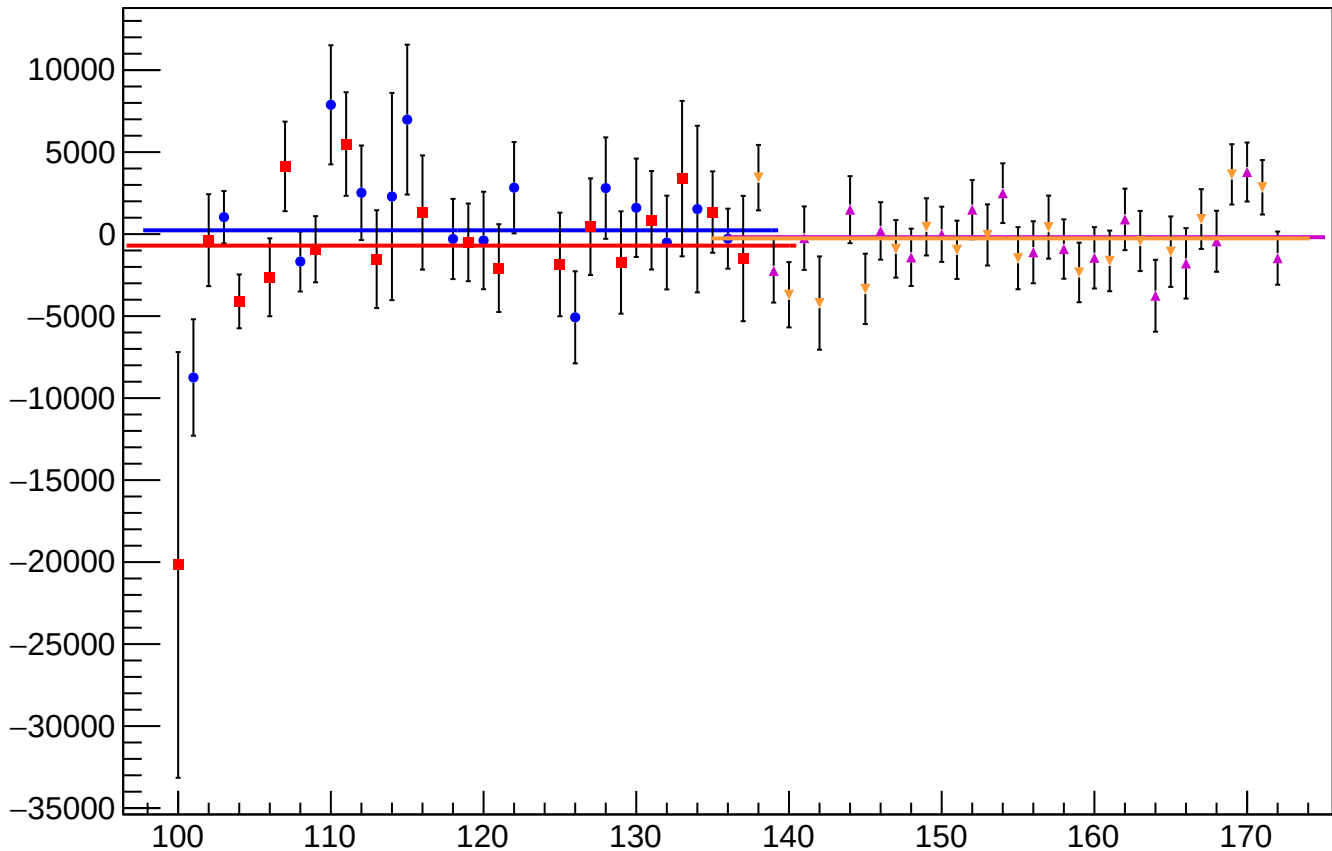
Left In: 578.031 $\pm$ 0.111 χ^2 /NDF: 962405.3/16

+ sign 582.331 $\pm$ 0.097 χ^2 /NDF: 4606375.4/32

All: 546.086 $\pm$ 0.065 χ^2 /NDF: 11442707.4/67

- sign 517.026 $\pm$ 0.087 χ^2 /NDF: 6584493.2/34

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

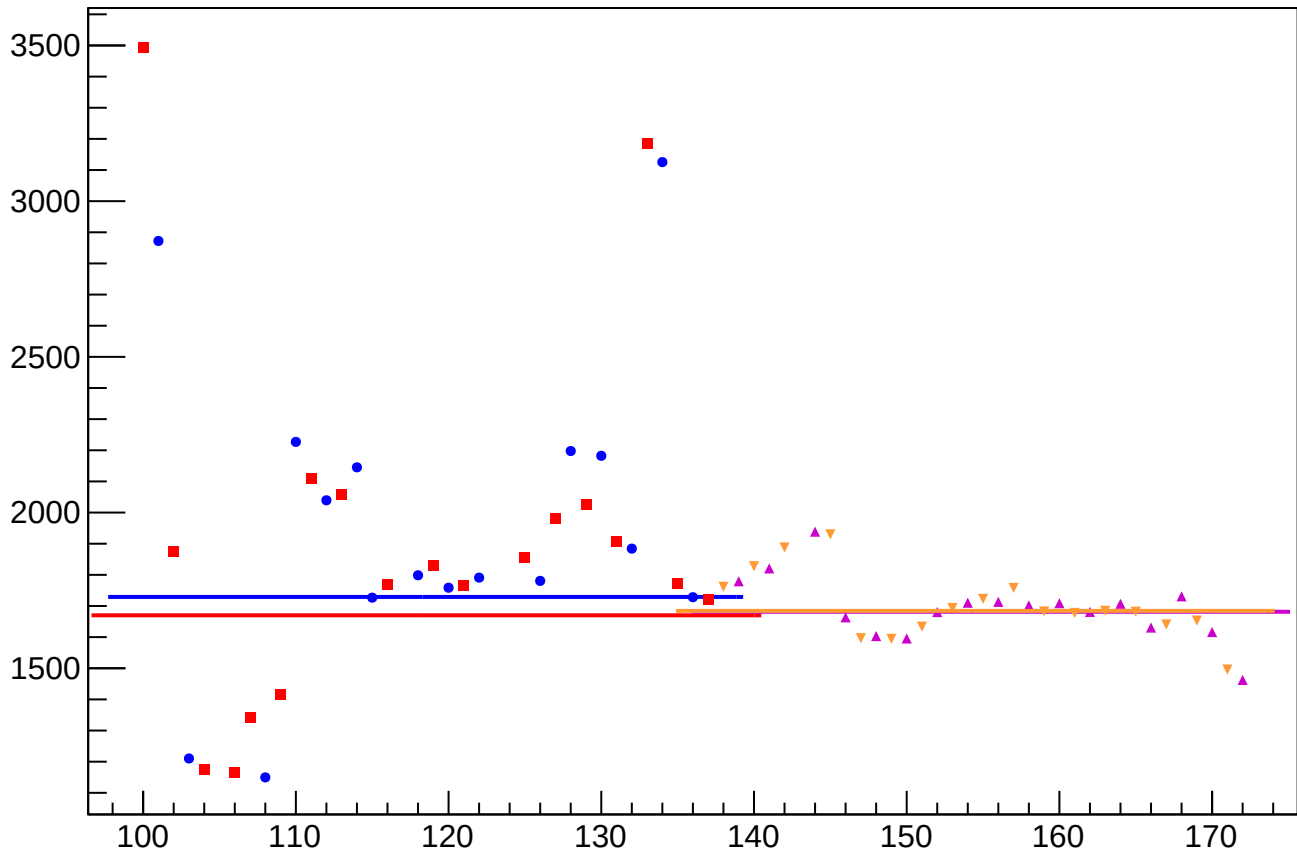
Left In: -187.446 ± 449.673 χ^2/NDF : 15.3/16

+ sign -101.806 ± 378.683 χ^2/NDF : 43.0/32

All: -231.342 ± 264.461 χ^2/NDF : 75.9/67

- sign -354.669 ± 369.494 χ^2/NDF : 32.8/34

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

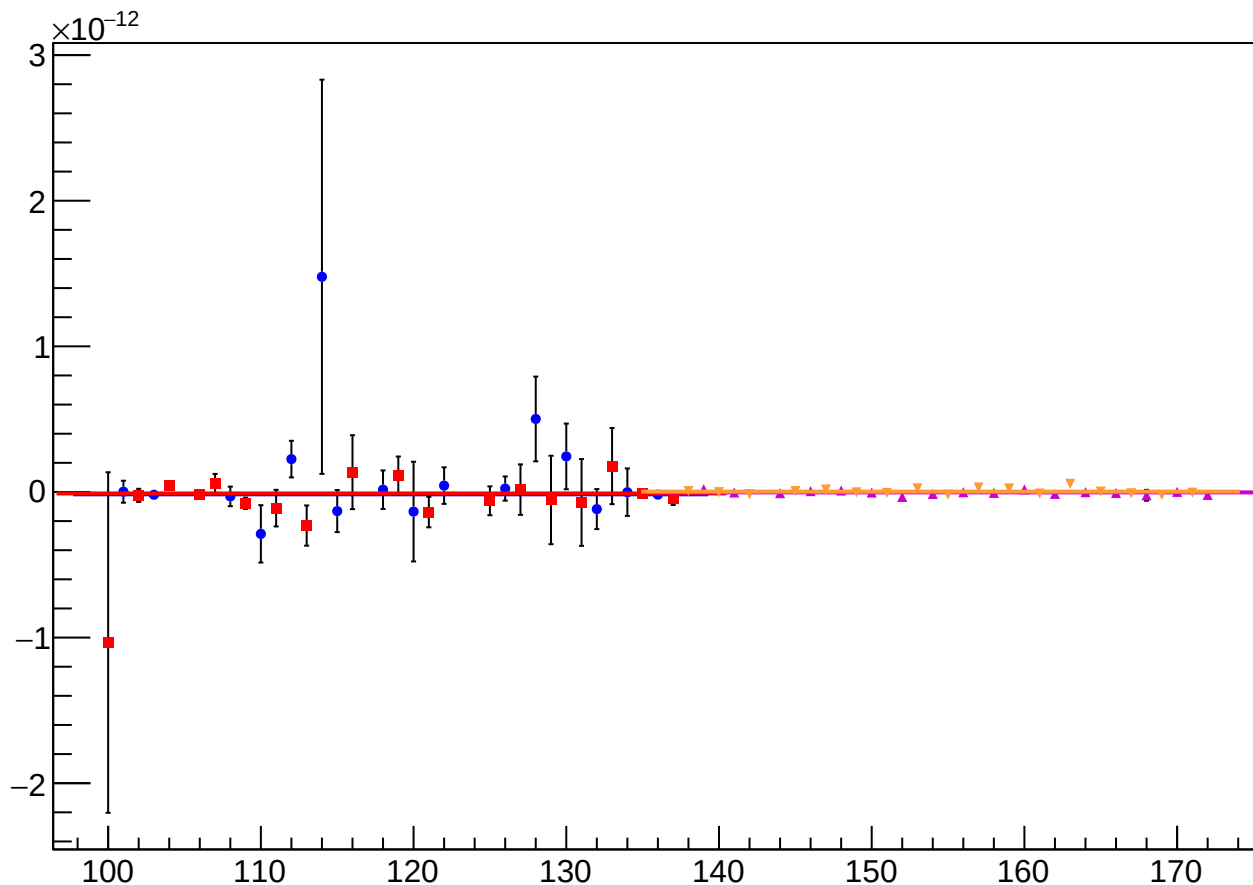
Left In: 1681.446+/-0.318 χ^2/NDF : 100197.0/16

+ sign 1698.754+/-0.268 χ^2/NDF : 1041355.9/32

All: 1687.992+/-0.187 χ^2/NDF : 1889574.7/67

- sign 1677.747+/-0.261 χ^2/NDF : 845065.8/34

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/17

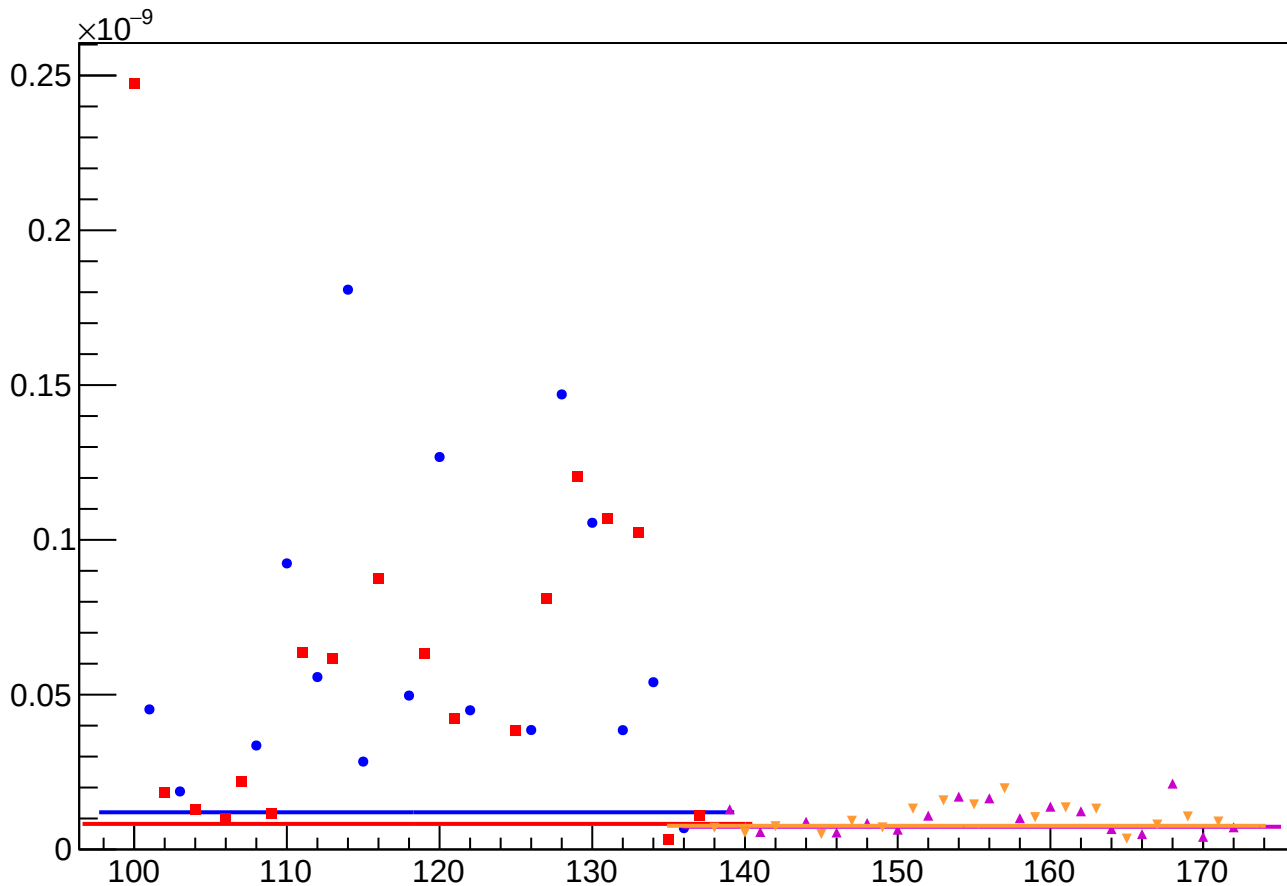
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.3/32

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 58.4/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 26.3/34

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3425893.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1802988.4/16

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3510130.7/17

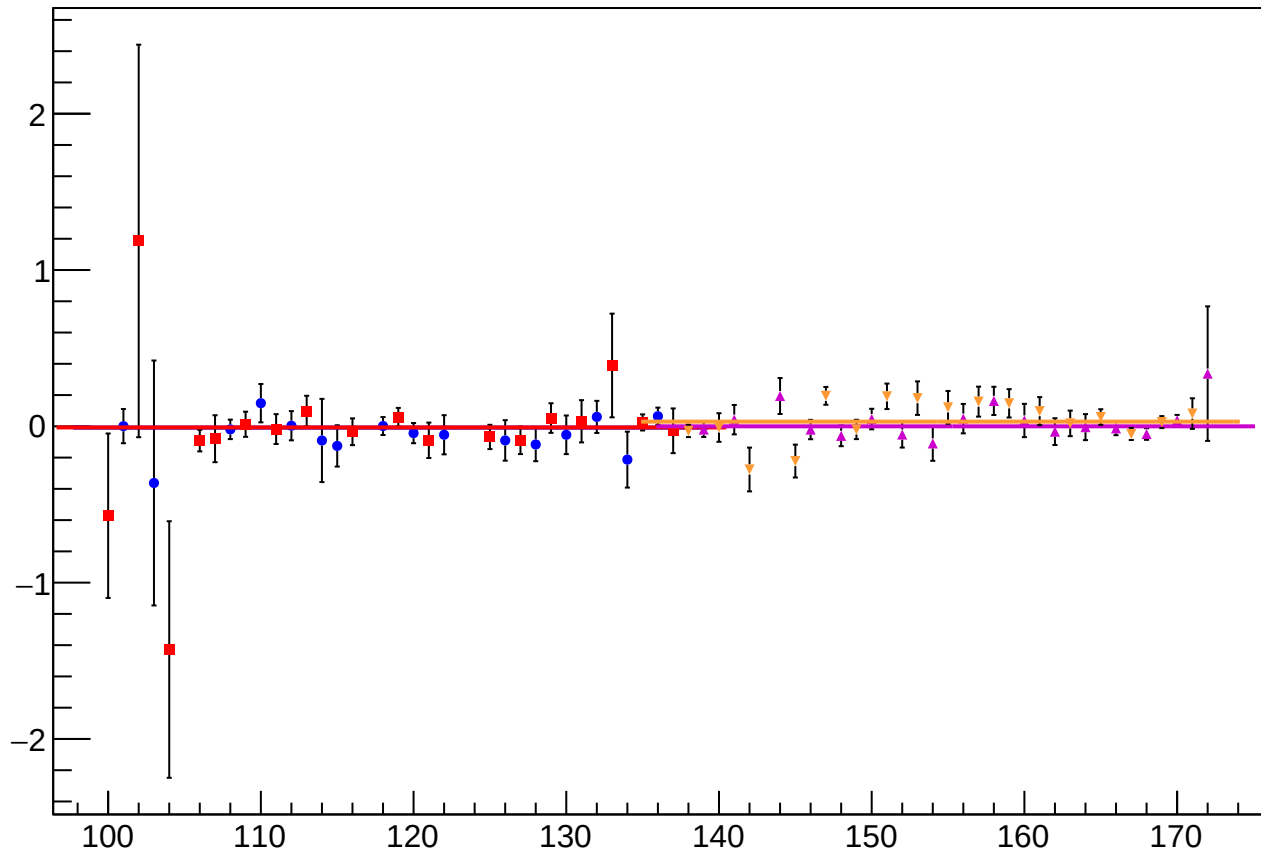
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1885272.8/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5550345.2/32

All: 0.000 $\pm$ 0.000 χ^2/NDF : 11007029.1/67

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5414983.9/34

asym_us_dd_at2lr_dd_dd_dit_vs_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

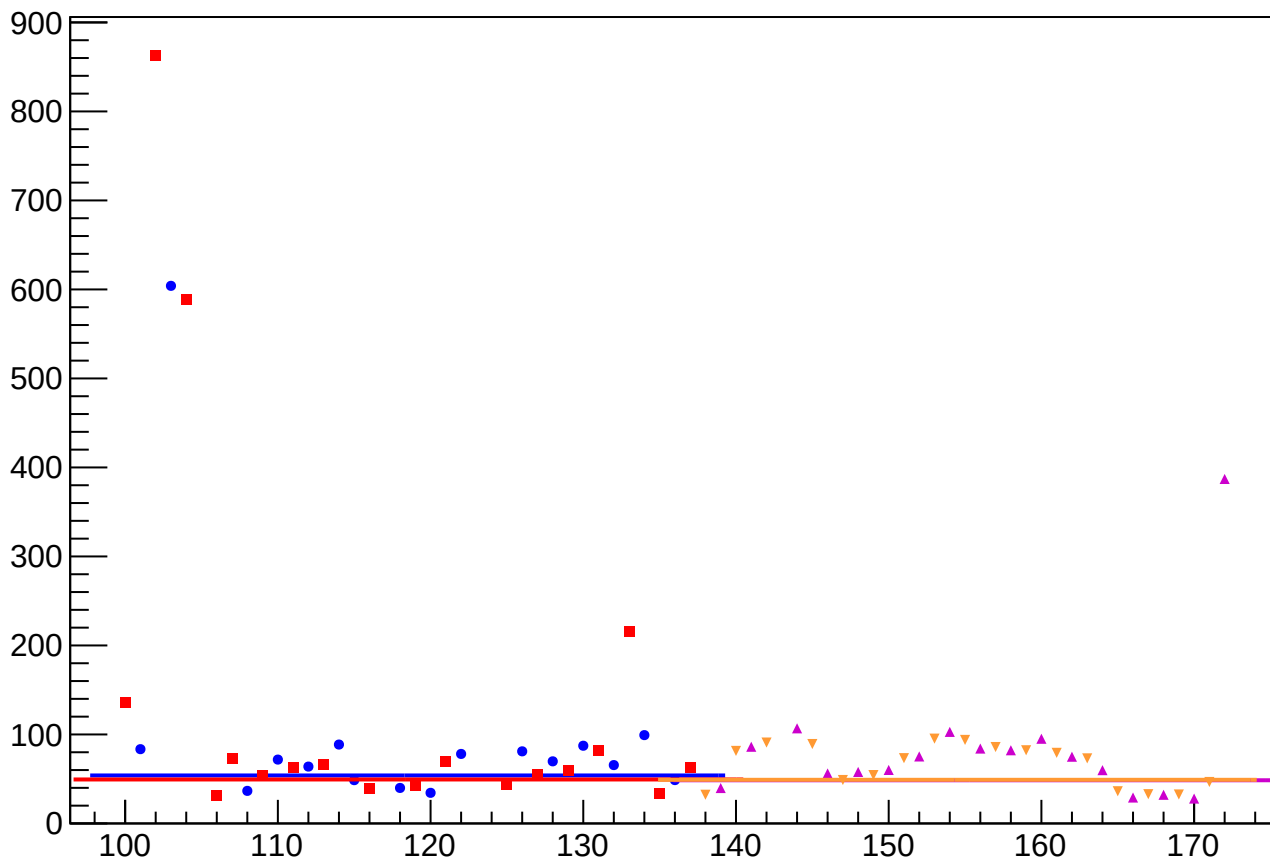
Left In: 0.000 ± 0.015 χ^2/NDF : 13.6/16

+ sign 0.018 ± 0.013 χ^2/NDF : 47.7/32

All: 0.008 ± 0.009 χ^2/NDF : 76.3/67

- sign -0.002 ± 0.013 χ^2/NDF : 27.3/34

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.926 ± 0.016 $\chi^2/\text{NDF}: 2214348.1/15$

Left Out: 49.046 ± 0.011 $\chi^2/\text{NDF}: 3828902.4/16$

Right Out: 49.420 ± 0.016 $\chi^2/\text{NDF}: 3017719.3/17$

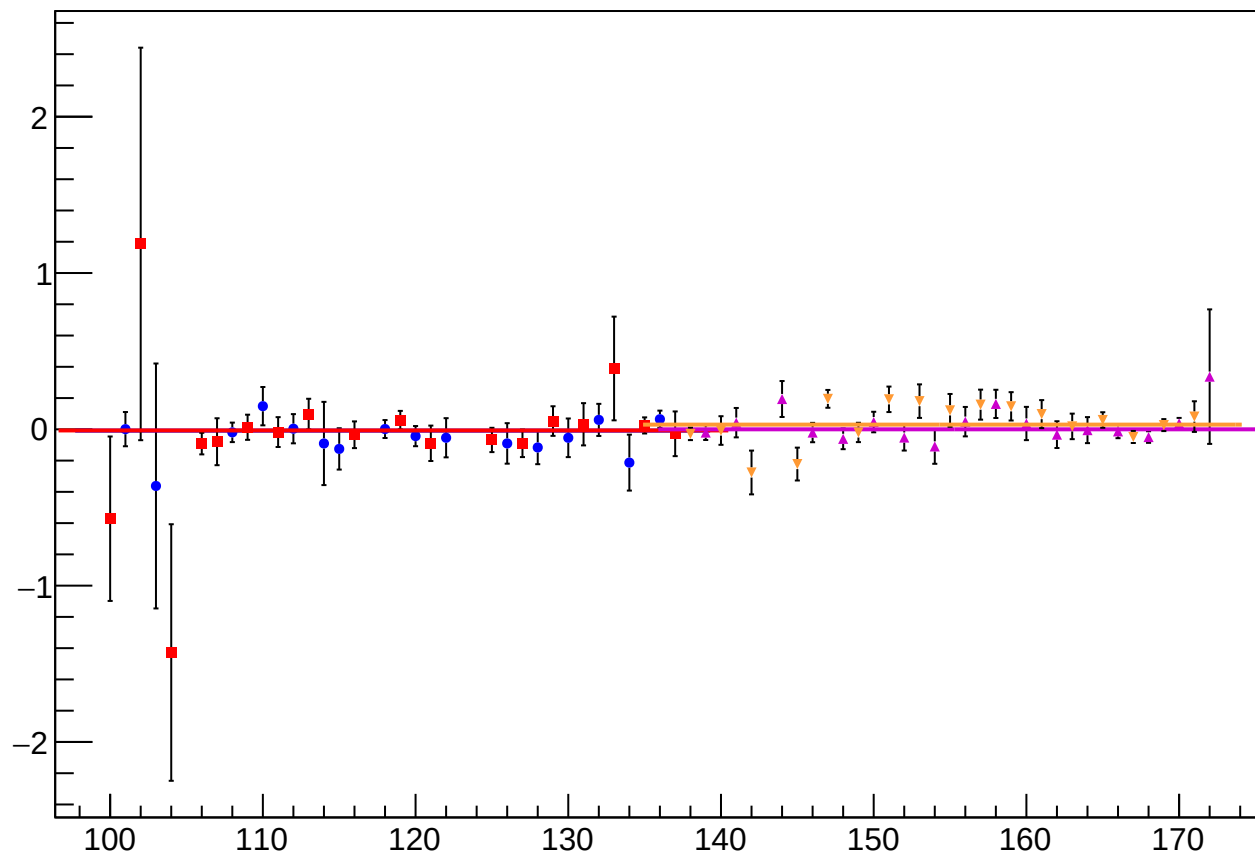
Left In: 48.532 ± 0.011 $\chi^2/\text{NDF}: 5626256.6/16$

+ sign 50.562 ± 0.009 $\chi^2/\text{NDF}: 6104740.5/32$

All: 49.670 ± 0.006 $\chi^2/\text{NDF}: 14769641.0/67$

- sign 48.817 ± 0.009 $\chi^2/\text{NDF}: 8646142.2/34$

asym_us_dd_at2lr_dd_dd_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

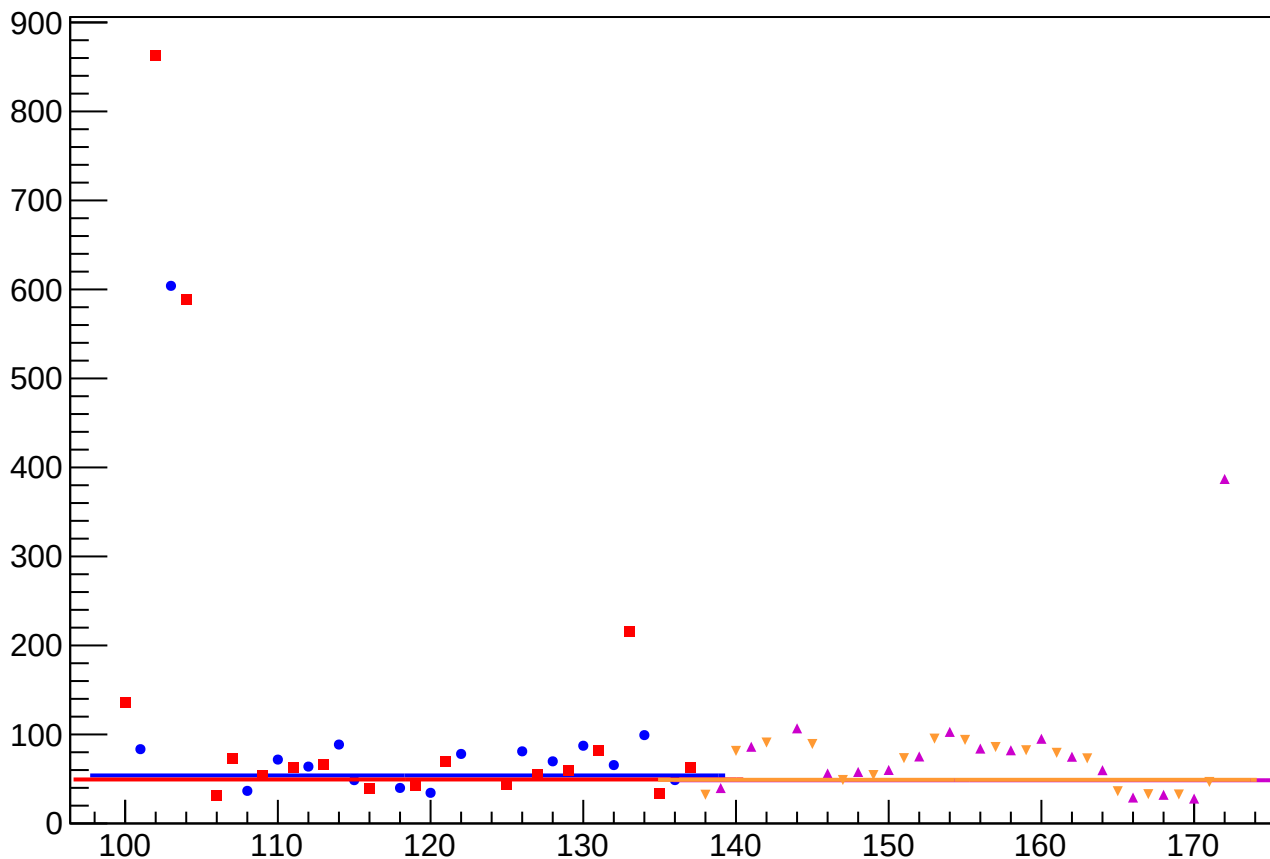
Left In: 0.000 ± 0.015 χ^2/NDF : 13.6/16

+ sign 0.018 ± 0.013 χ^2/NDF : 47.7/32

All: 0.008 ± 0.009 χ^2/NDF : 76.3/67

- sign -0.002 ± 0.013 χ^2/NDF : 27.3/34

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.926 ± 0.016 $\chi^2/\text{NDF}: 2214348.1/15$

Left Out: 49.046 ± 0.011 $\chi^2/\text{NDF}: 3828902.4/16$

Right Out: 49.420 ± 0.016 $\chi^2/\text{NDF}: 3017719.3/17$

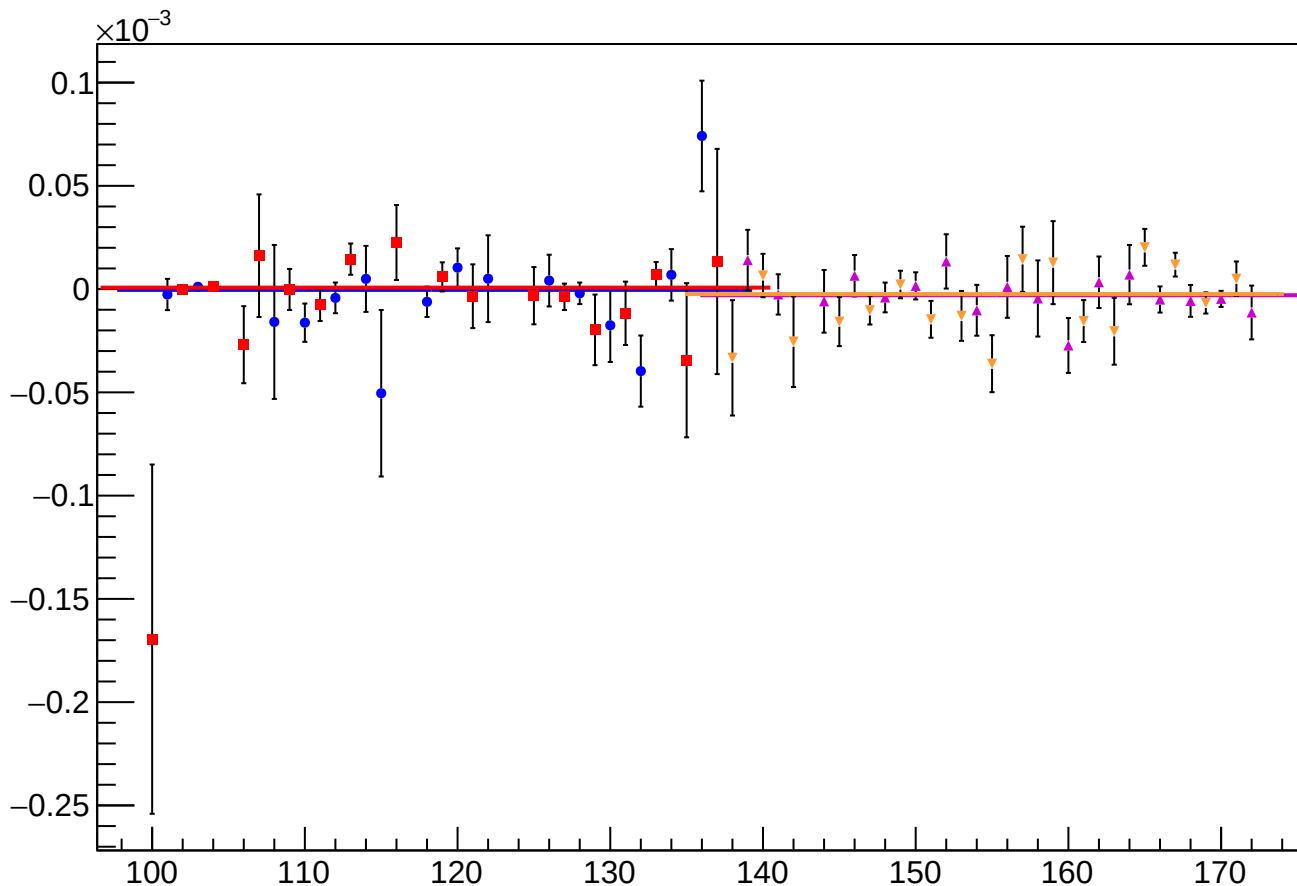
Left In: 48.532 ± 0.011 $\chi^2/\text{NDF}: 5626256.6/16$

+ sign 50.562 ± 0.009 $\chi^2/\text{NDF}: 6104740.5/32$

All: 49.670 ± 0.006 $\chi^2/\text{NDF}: 14769641.0/67$

- sign 48.817 ± 0.009 $\chi^2/\text{NDF}: 8646142.2/34$

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

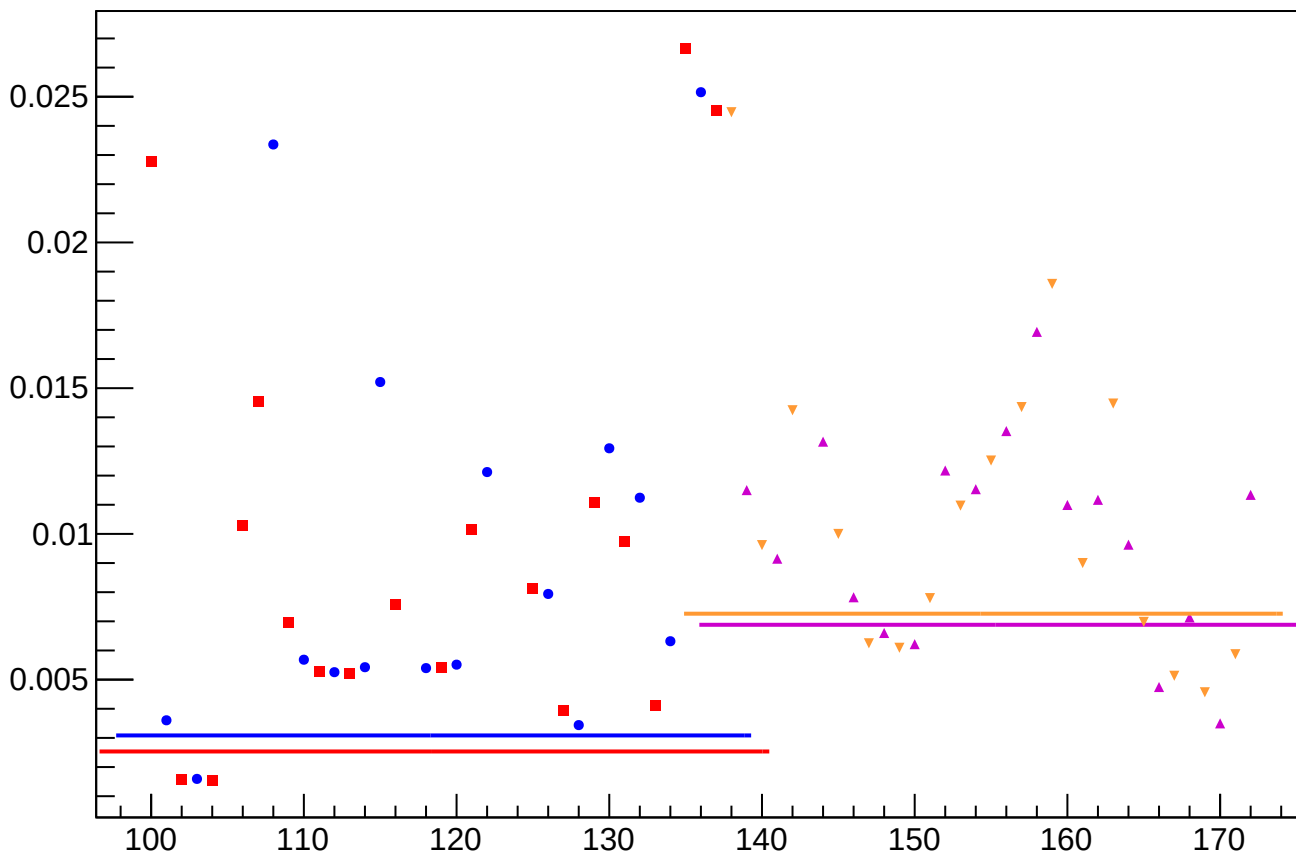
Left In: -0.000+/-0.000 χ^2/NDF : 9.7/16

+ sign -0.000+/-0.000 χ^2/NDF : 56.1/32

All: -0.000+/-0.000 χ^2/NDF : 86.0/67

- sign -0.000+/-0.000 χ^2/NDF : 29.7/34

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 5779108.6/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4135448.1/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 6237059.6/17

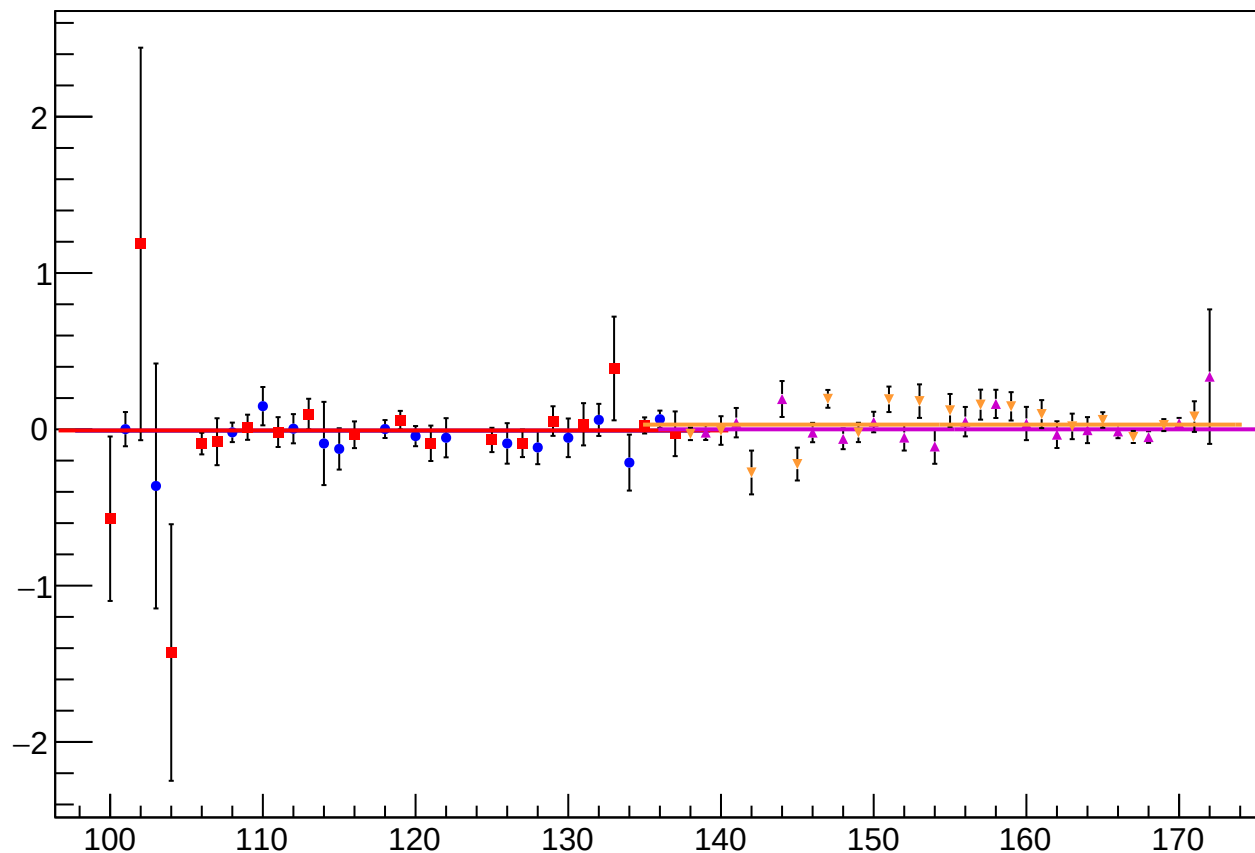
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4763660.9/16

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 14531926.6/32

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 32222737.6/67

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 17184932.7/34

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_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

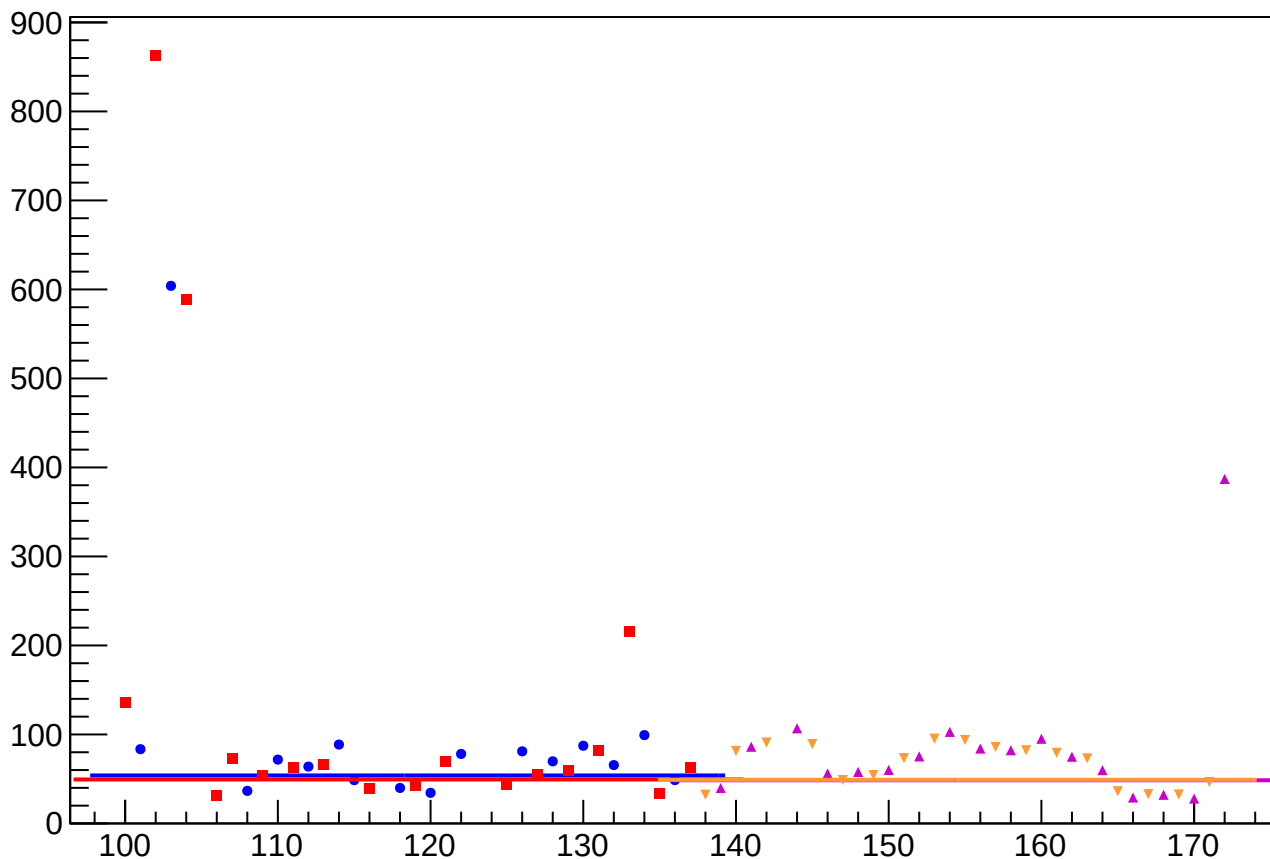
Left In: 0.000 ± 0.015 χ^2/NDF : 13.6/16

+ sign 0.018 ± 0.013 χ^2/NDF : 47.7/32

All: 0.008 ± 0.009 χ^2/NDF : 76.3/67

- sign -0.002 ± 0.013 χ^2/NDF : 27.3/34

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 53.929 $\pm$ 0.016 χ^2 /NDF: 2213950.2/15

Left Out: 49.048 $\pm$ 0.011 χ^2 /NDF: 3828169.9/16

Right Out: 49.422 $\pm$ 0.016 χ^2 /NDF: 3017440.2/17

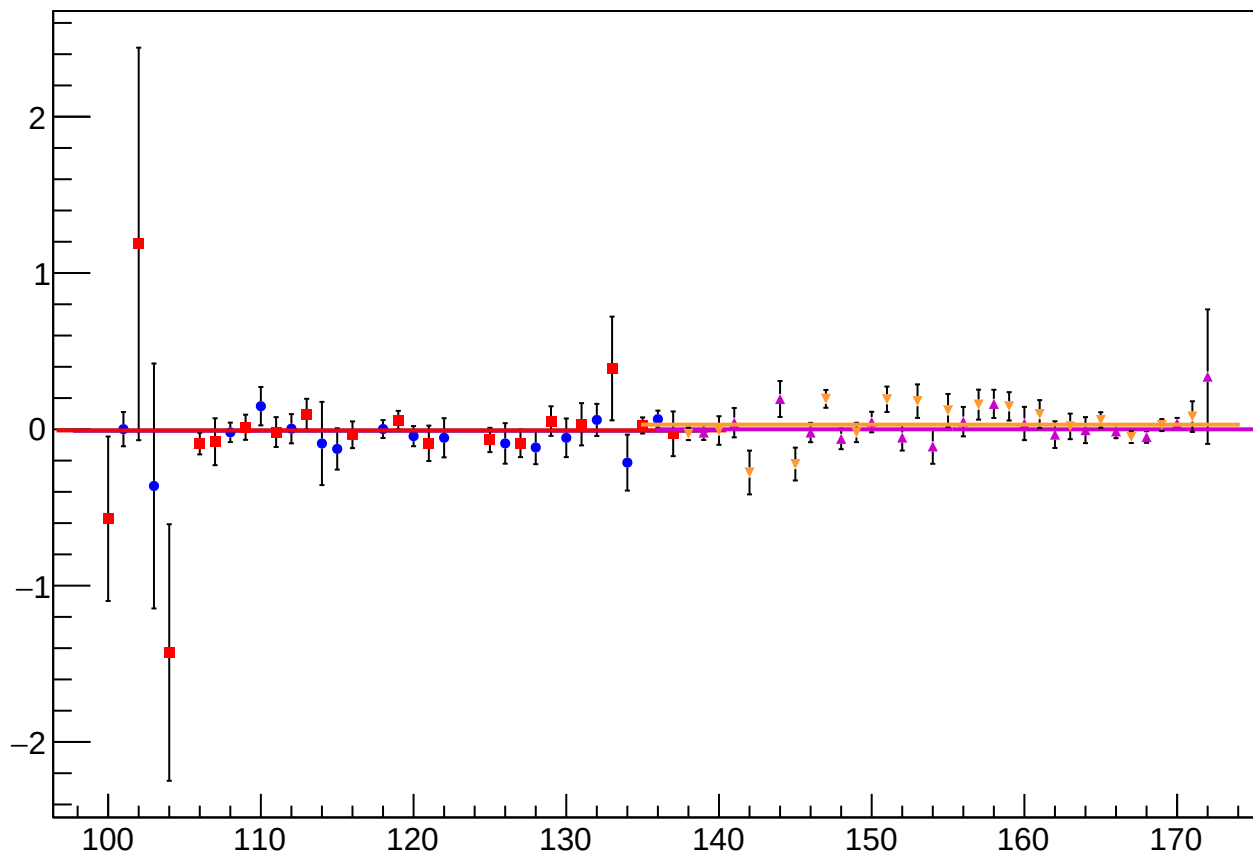
Left In: 48.532 $\pm$ 0.011 χ^2 /NDF: 5626198.5/16

+ sign 50.565 $\pm$ 0.009 χ^2 /NDF: 6103630.6/32

All: 49.672 $\pm$ 0.006 χ^2 /NDF: 14768244.2/67

- sign 48.818 $\pm$ 0.009 χ^2 /NDF: 8645814.9/34

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

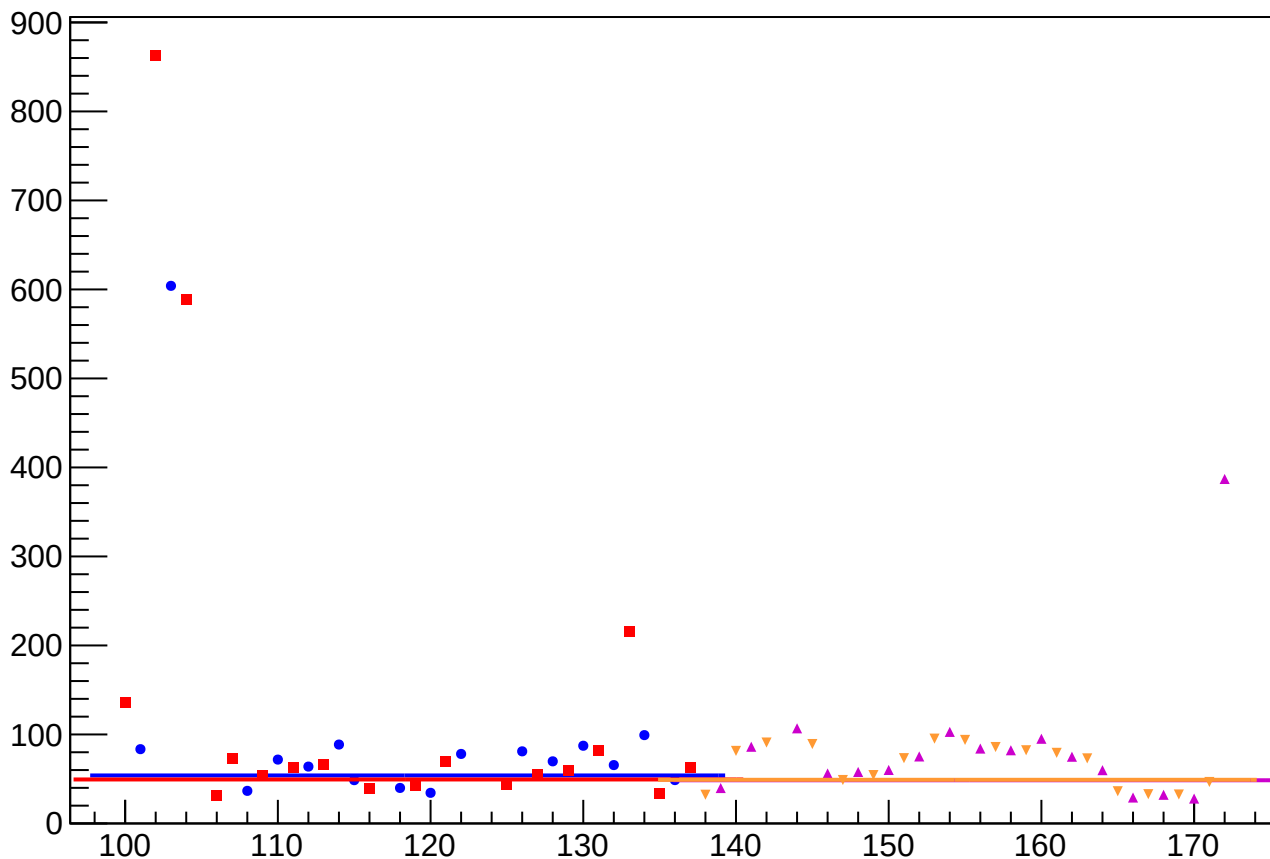
Left In: 0.000 ± 0.015 χ^2/NDF : 13.6/16

+ sign 0.018 ± 0.013 χ^2/NDF : 47.7/32

All: 0.008 ± 0.009 χ^2/NDF : 76.3/67

- sign -0.002 ± 0.013 χ^2/NDF : 27.3/34

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

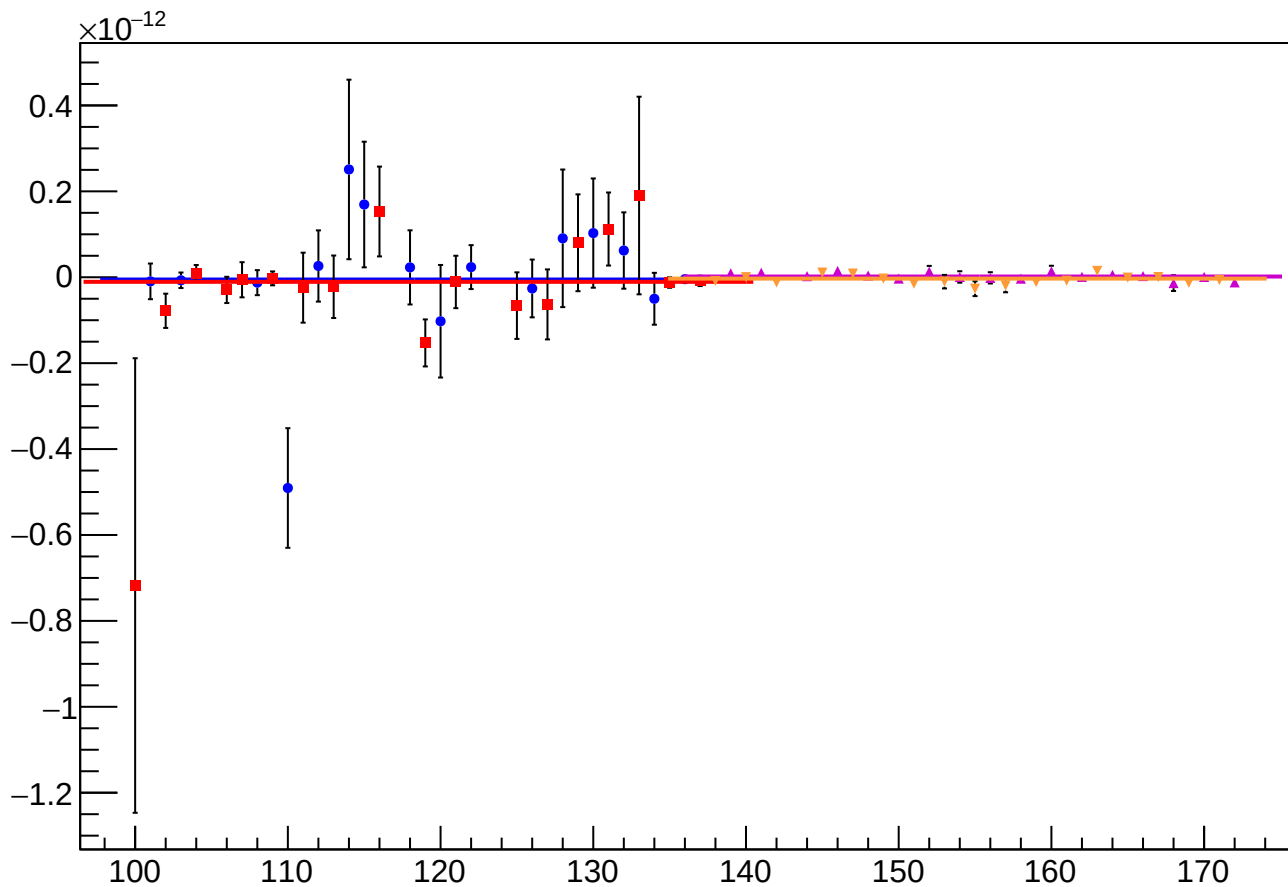
Left In: 48.532 ± 0.011 χ^2/NDF : 5626198.5/16

+ sign 50.565 ± 0.009 χ^2/NDF : 6103630.6/32

All: 49.672 ± 0.006 χ^2/NDF : 14768244.2/67

- sign 48.818 ± 0.009 χ^2/NDF : 8645814.9/34

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

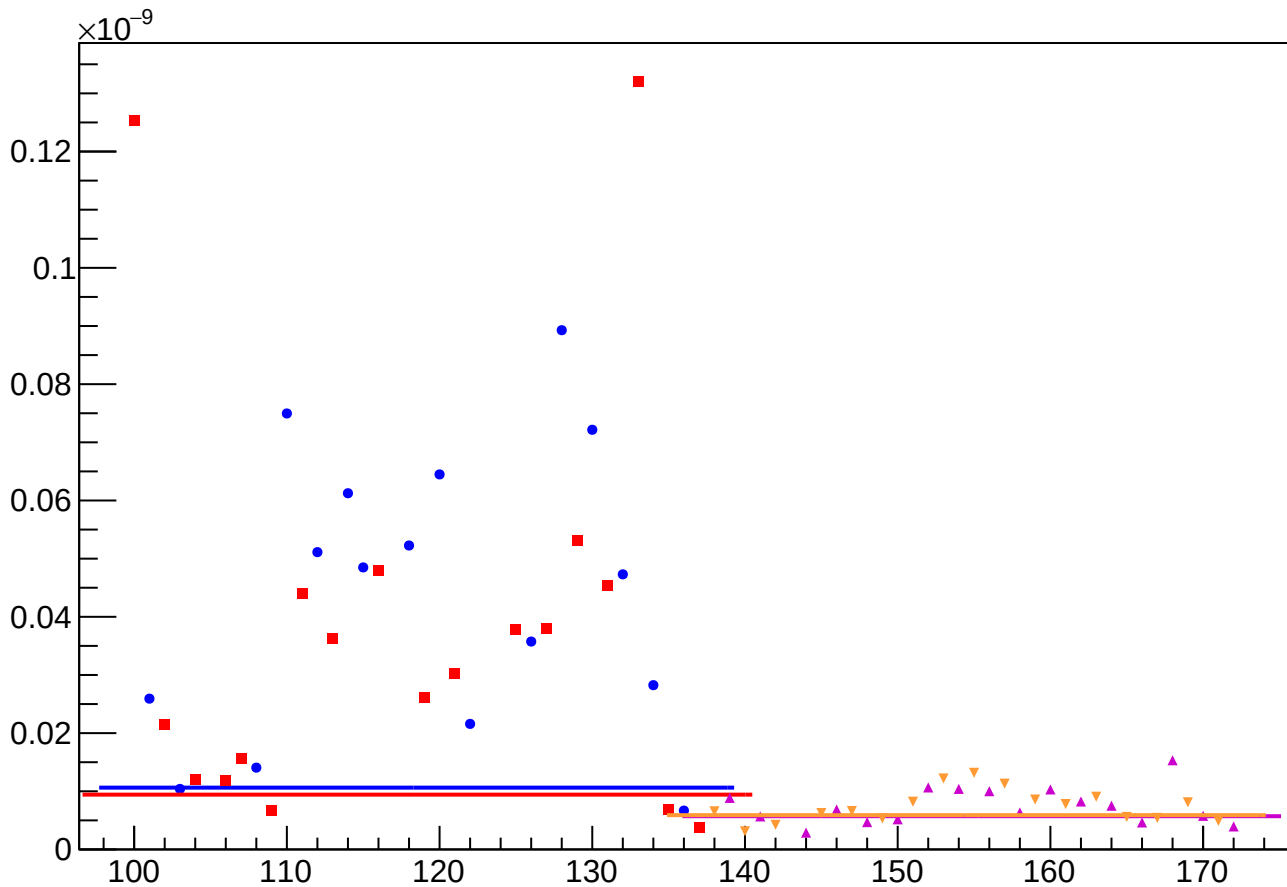
Left In: 0.000 ± 0.000 χ^2/NDF : 13.4/16

+ sign -0.000 ± 0.000 χ^2/NDF : 34.2/32

All: -0.000 ± 0.000 χ^2/NDF : 73.1/67

- sign 0.000 ± 0.000 χ^2/NDF : 36.8/34

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

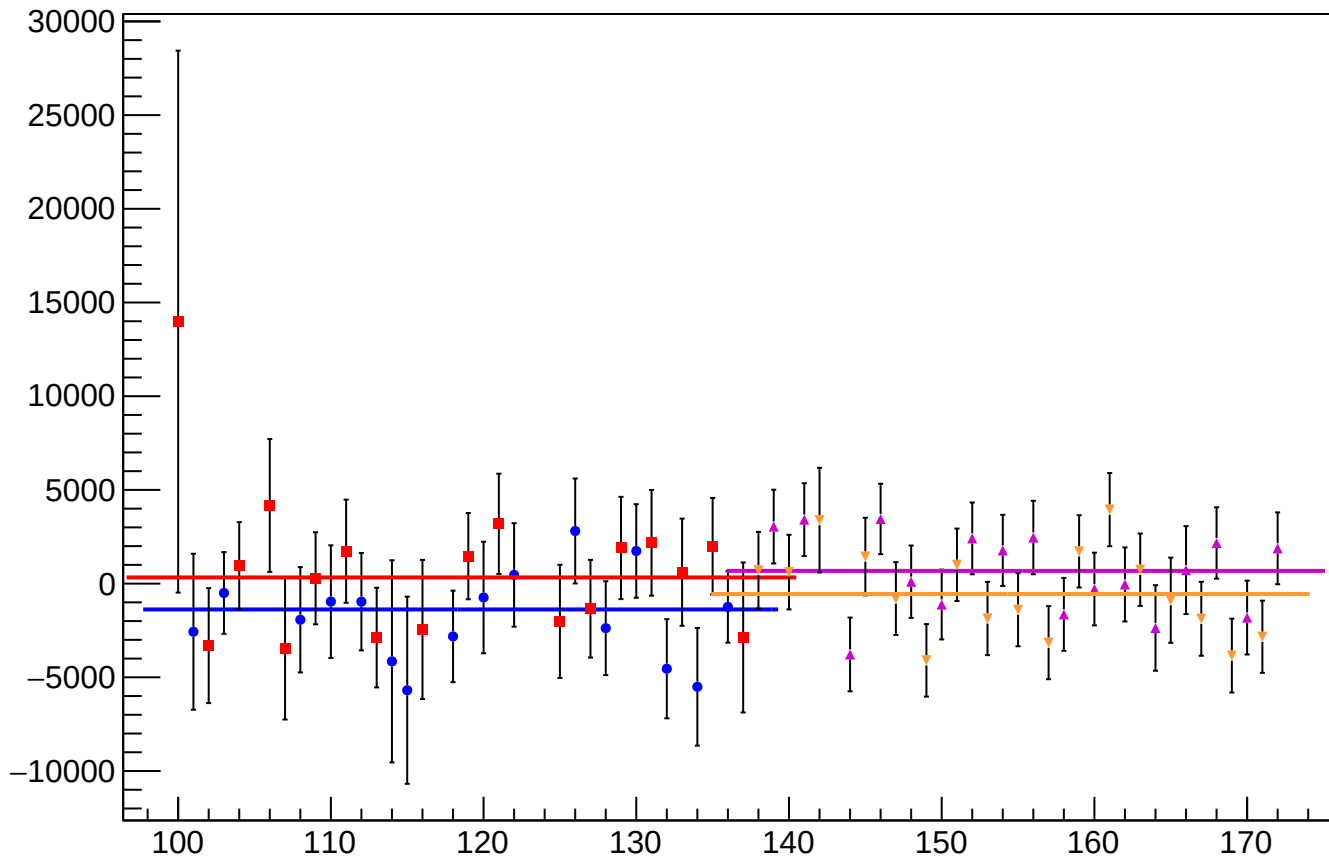
Left In: 0.000+/-0.000 χ^2/NDF : 2857347.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 7772557.4/32

All: 0.000+/-0.000 χ^2/NDF : 15277860.9/67

- sign 0.000+/-0.000 χ^2/NDF : 7487843.6/34

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

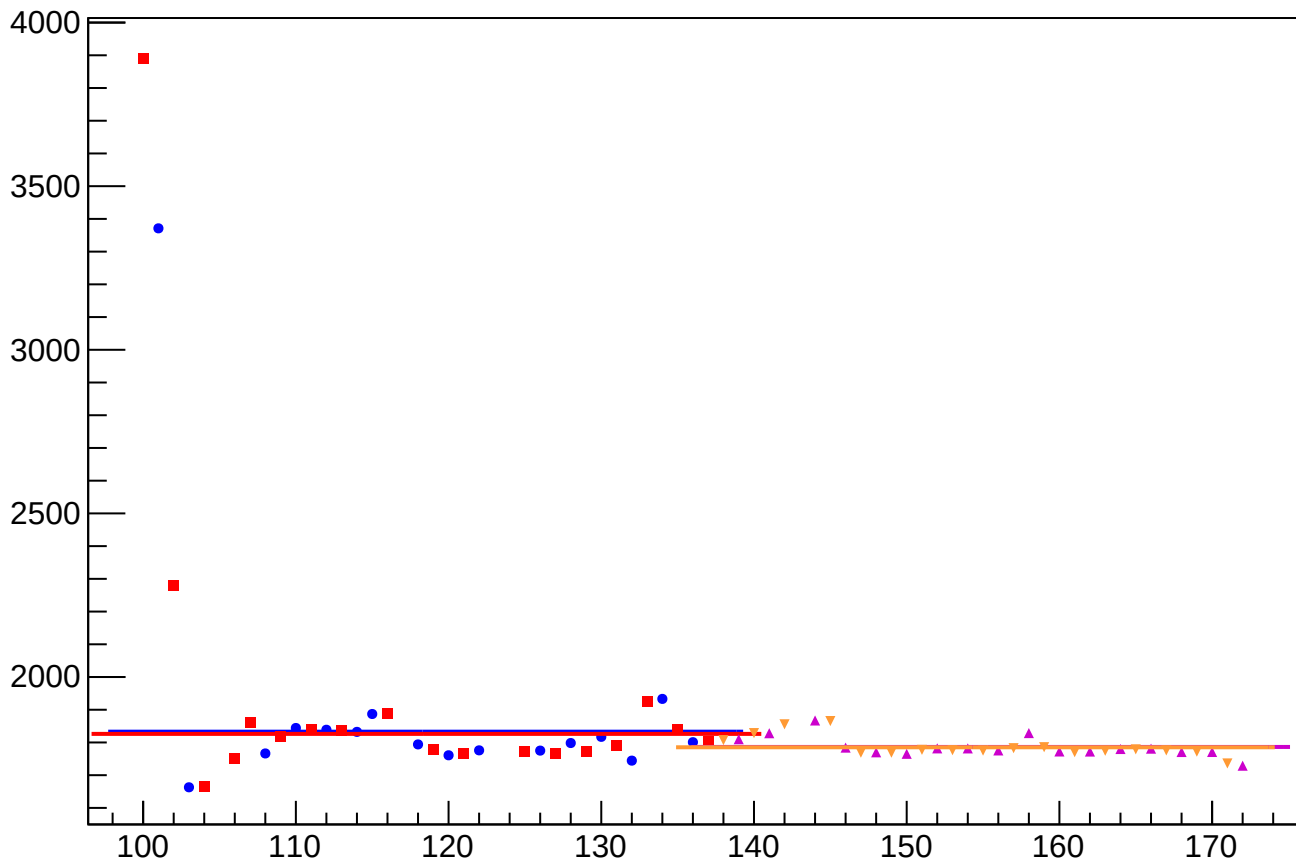
Left In: 679.534+/-476.876 χ^2/NDF : 19.9/16

+ sign -828.064+/-397.676 χ^2/NDF : 32.1/32

All: -120.152+/-278.870 χ^2/NDF : 69.5/67

- sign 564.779+/-391.168 χ^2/NDF : 31.1/34

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295439.4/15

Left Out: 1785.270 $\pm$ 0.344 χ^2 /NDF: 7512.0/16

Right Out: 1826.208 $\pm$ 0.484 χ^2 /NDF: 103006.6/17

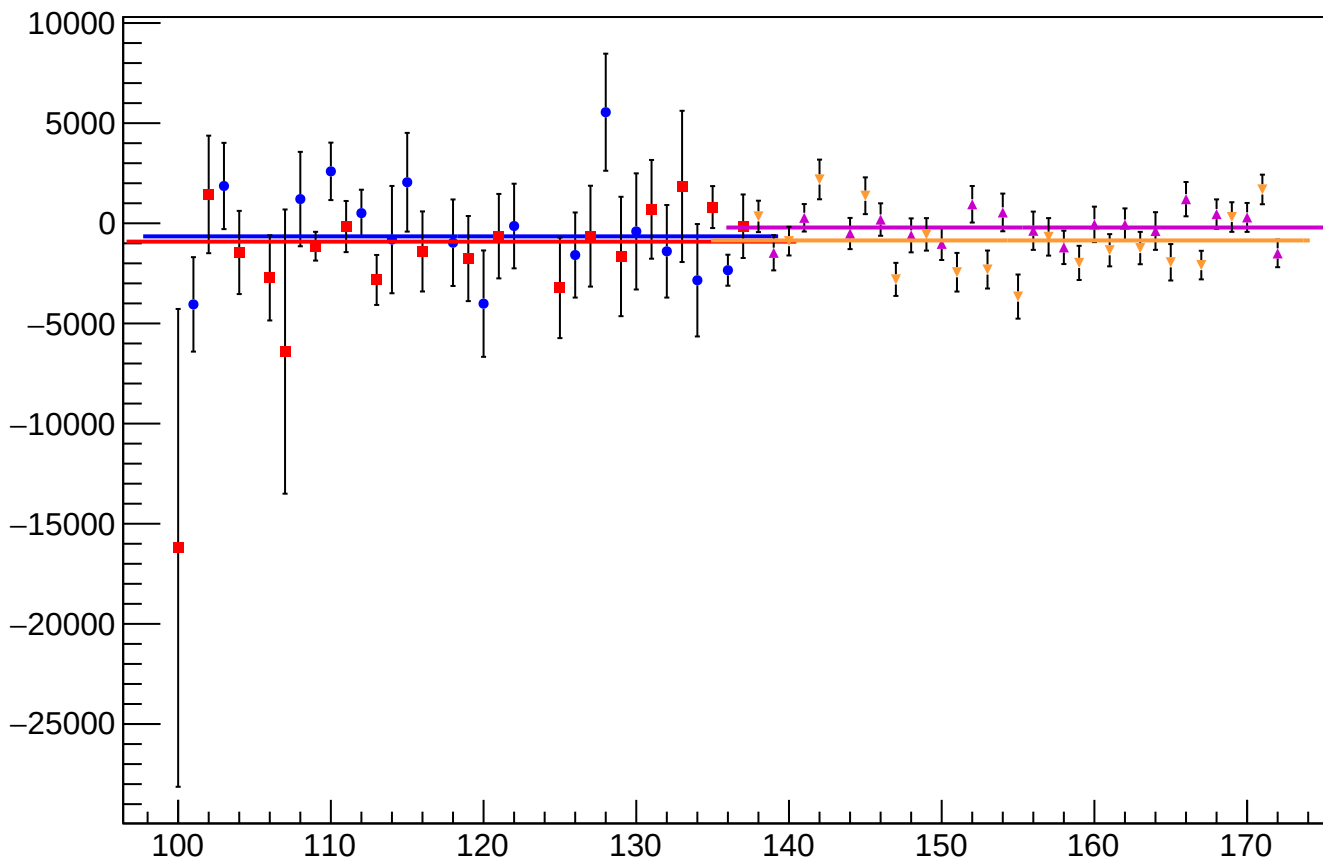
Left In: 1786.290 $\pm$ 0.337 χ^2 /NDF: 8292.4/16

+ sign 1801.151 $\pm$ 0.281 χ^2 /NDF: 309337.4/32

All: 1800.235 $\pm$ 0.197 χ^2 /NDF: 425241.9/67

- sign 1799.349 $\pm$ 0.277 χ^2 /NDF: 115883.7/34

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



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

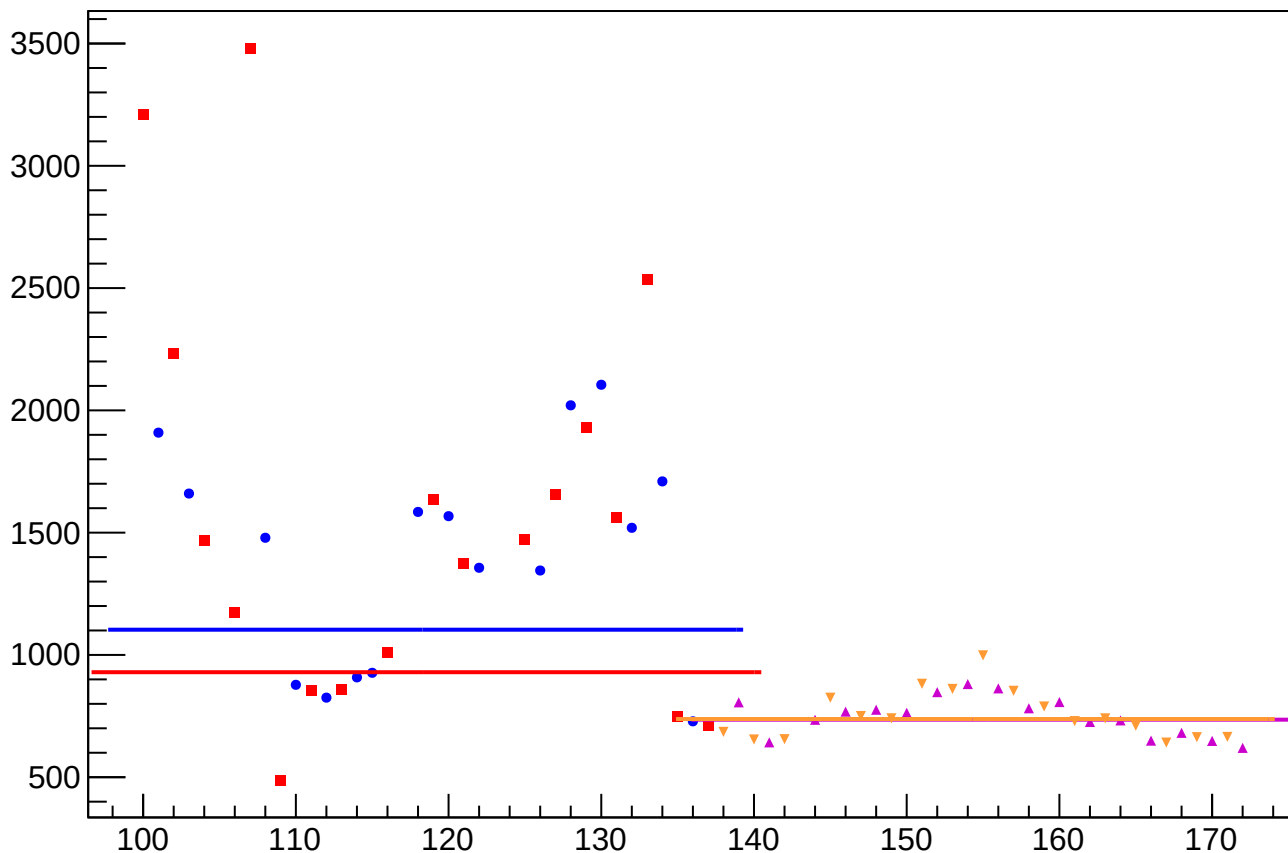
Left In: -210.223+/-197.820 χ^2/NDF : 15.6/16

+ sign -819.663+/-184.655 χ^2/NDF : 79.5/32

All: -575.793+/-127.679 χ^2/NDF : 112.5/67

- sign -352.394+/-176.736 χ^2/NDF : 29.7/34

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1103.183+/-0.313 χ^2/NDF : 1878176.1/15

Left Out: 737.939+/-0.144 χ^2/NDF : 374540.2/16

Right Out: 929.356+/-0.278 χ^2/NDF : 3054092.4/17

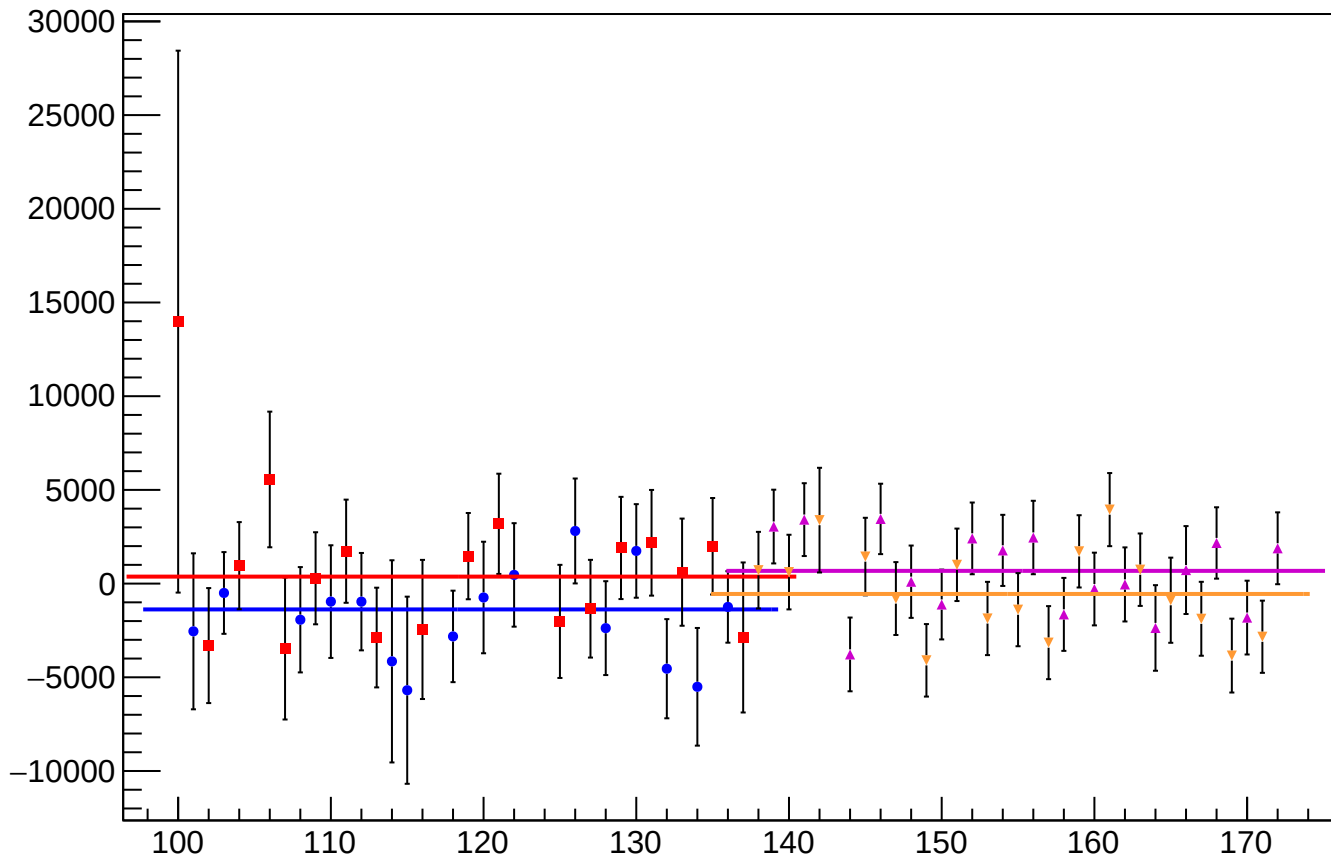
Left In: 735.267+/-0.140 χ^2/NDF : 309522.6/16

+ sign 801.648+/-0.131 χ^2/NDF : 3379505.0/32

All: 787.445+/-0.090 χ^2/NDF : 7154323.5/67

- sign 774.435+/-0.125 χ^2/NDF : 3752148.9/34

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1378.133 $\pm$ 689.030 χ^2 /NDF: 9.3/15

Left Out: -552.888 $\pm$ 486.968 χ^2 /NDF:21.9/16

Right Out: 372.534 $\pm$ 684.408 χ^2 /NDF: 12.0/17

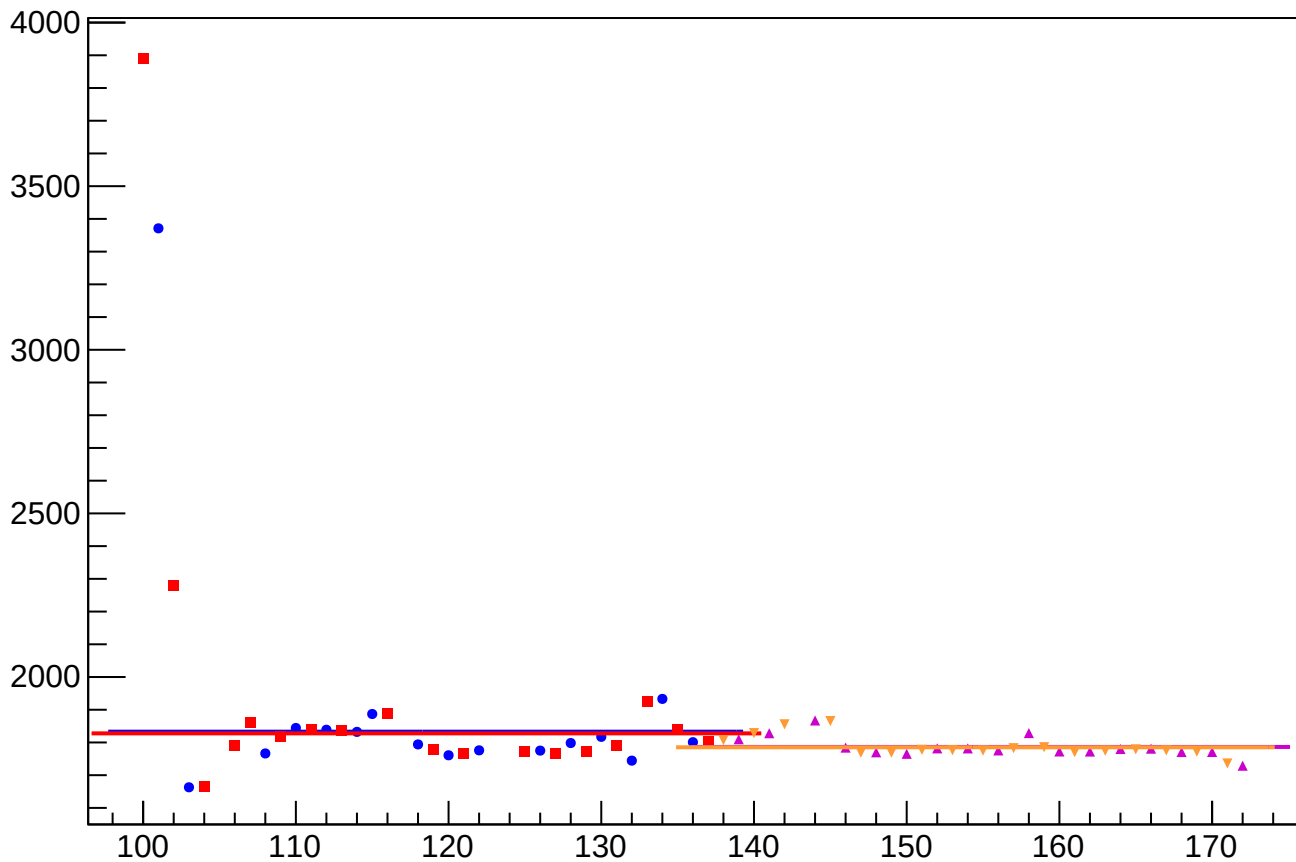
Left In: 679.451 $\pm$ 476.876 χ^2 /NDF:19.9/16

+ sign -827.782 $\pm$ 397.676 χ^2 /NDF: 32.1/32

All: -112.887 $\pm$ 278.905 χ^2 /NDF: 70.5/67

- sign 579.143 $\pm$ 391.265 χ^2 /NDF: 32.0/34

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295441.2/15

Left Out: 1785.270 $\pm$ 0.344 χ^2 /NDF: 7512.0/16

Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

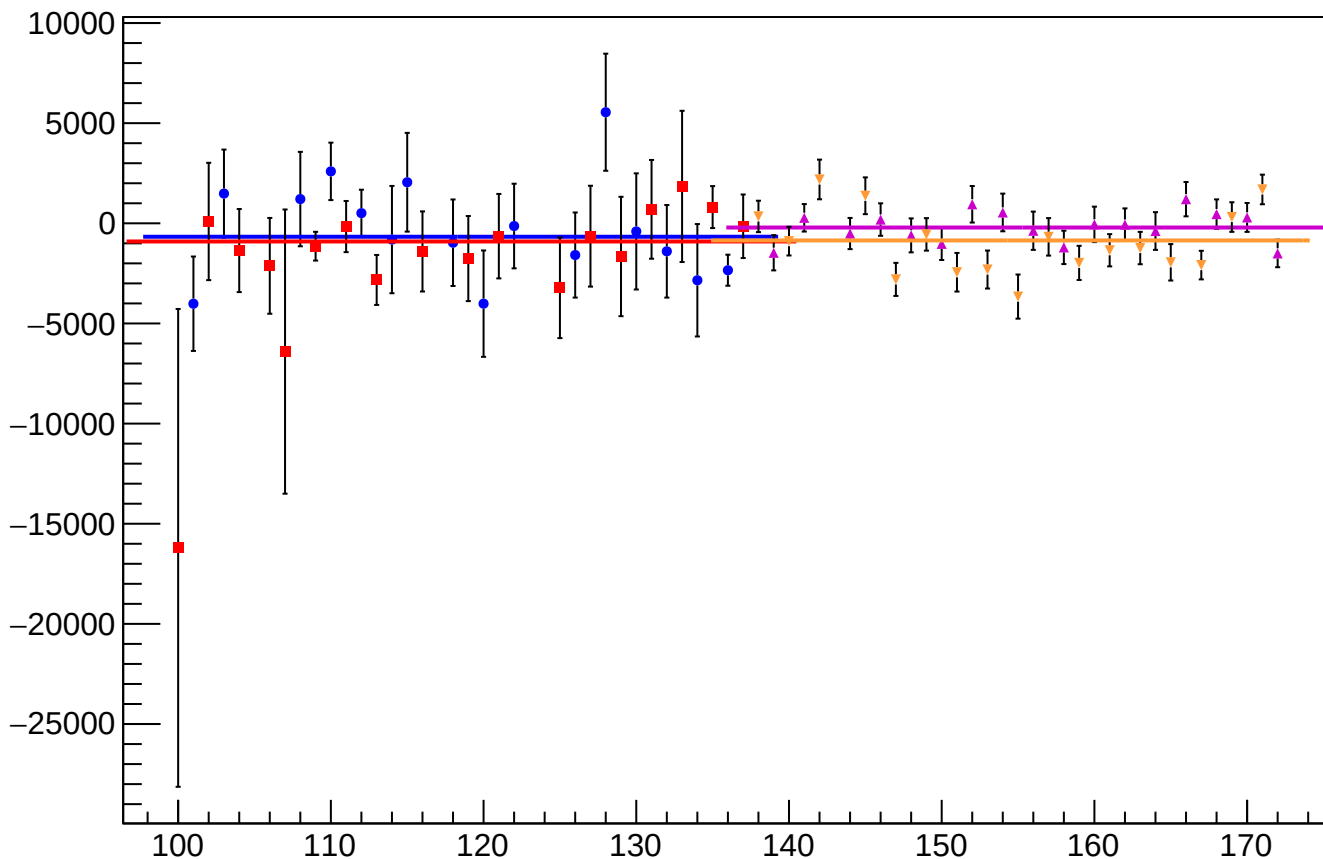
Left In: 1786.290 $\pm$ 0.337 χ^2 /NDF: 8292.4/16

+ sign 1801.151 $\pm$ 0.281 χ^2 /NDF: 309339.2/32

All: 1800.491 $\pm$ 0.197 χ^2 /NDF: 424861.8/67

- sign 1799.852 $\pm$ 0.277 χ^2 /NDF: 115511.7/34

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



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

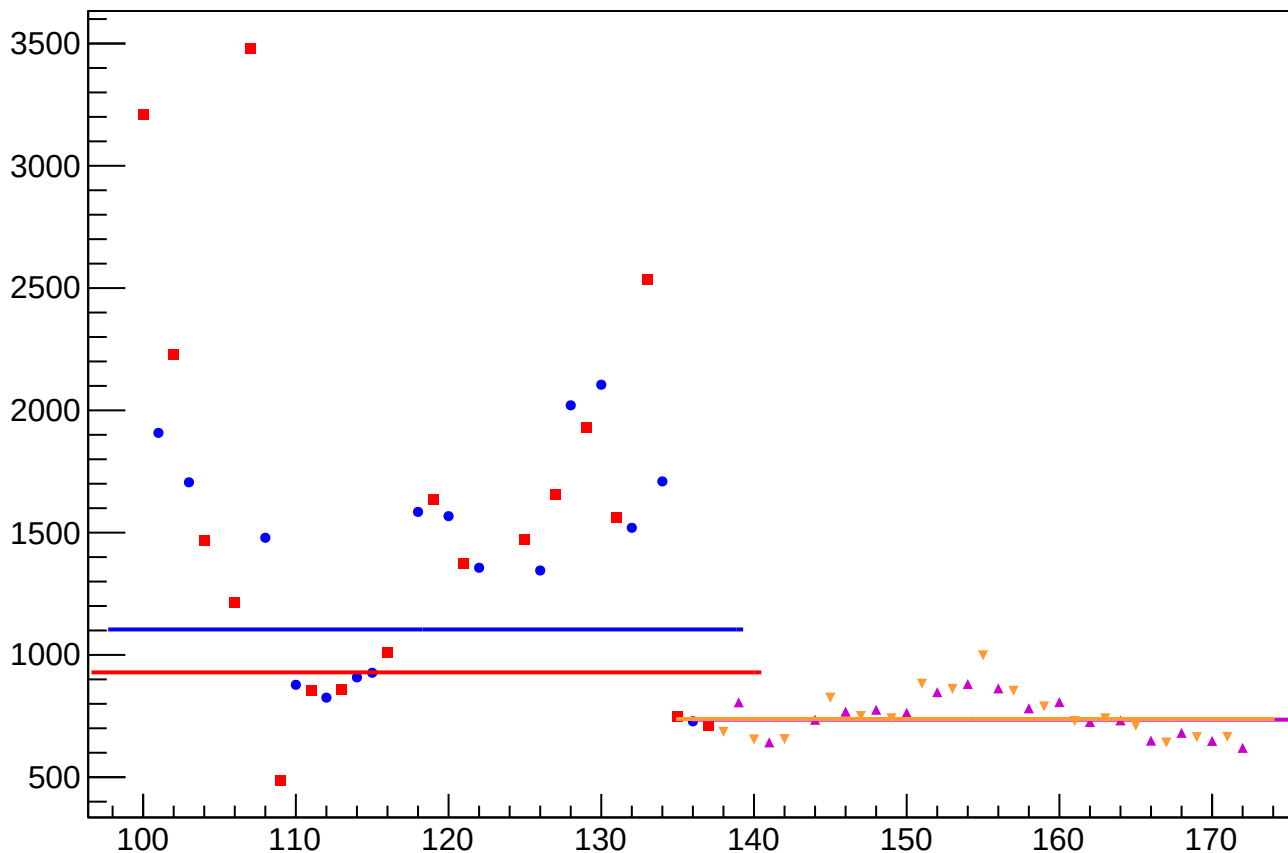
Left In: -210.140+/-197.820 χ^2/NDF : 15.5/16

+ sign -822.971+/-184.683 χ^2/NDF : 79.0/32

All: -576.128+/-127.736 χ^2/NDF : 110.9/67

- sign -349.753+/-176.861 χ^2/NDF : 28.5/34

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1104.103+/-0.313 χ^2/NDF : 1894482.2/15

Left Out: 737.945+/-0.144 χ^2/NDF : 374505.1/16

Right Out: 928.629+/-0.279 χ^2/NDF : 3054381.5/17

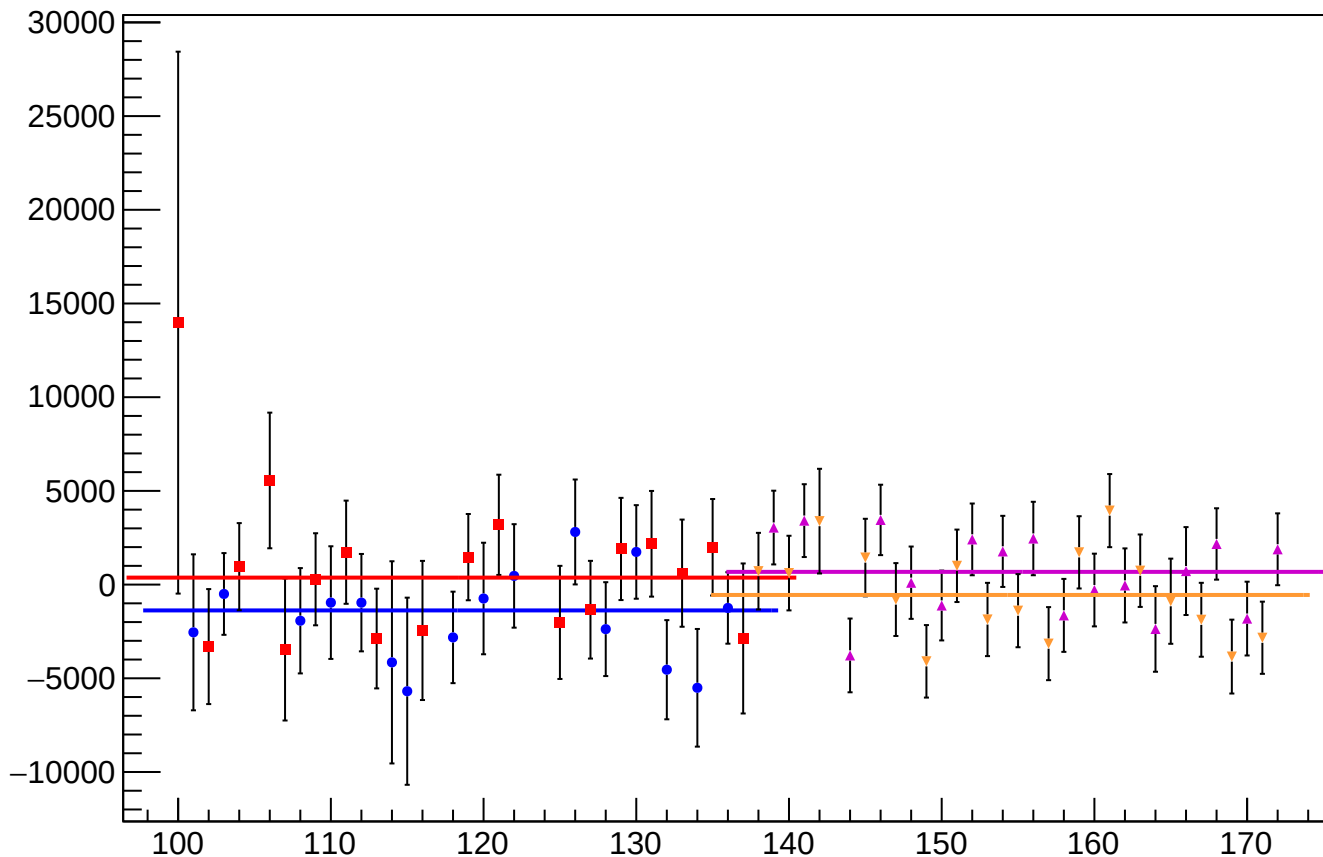
Left In: 735.267+/-0.140 χ^2/NDF : 309598.2/16

+ sign 801.725+/-0.131 χ^2/NDF : 3399850.5/32

All: 787.299+/-0.090 χ^2/NDF : 7170680.6/67

- sign 774.069+/-0.125 χ^2/NDF : 3747434.1/34

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

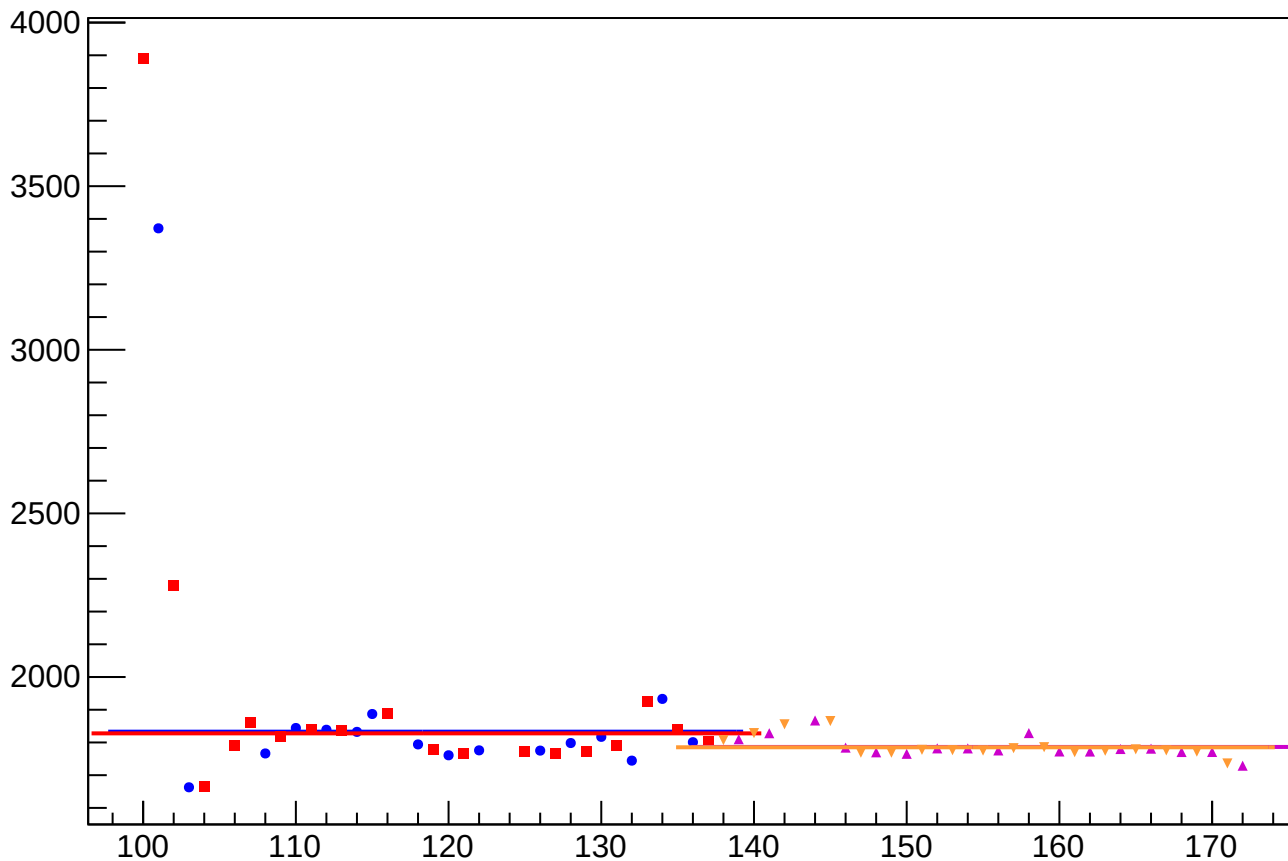
Left In: 679.451 ± 476.876 χ^2/NDF : 19.9/16

+ sign -827.782 ± 397.676 χ^2/NDF : 32.1/32

All: -112.887 ± 278.905 χ^2/NDF : 70.5/67

- sign 579.143 ± 391.265 χ^2/NDF : 32.0/34

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.947 $\pm$ 0.487 χ^2 /NDF: 295441.2/15

Left Out: 1785.270 $\pm$ 0.344 χ^2 /NDF: 7512.0/16

Right Out: 1827.785 $\pm$ 0.484 χ^2 /NDF: 102270.3/17

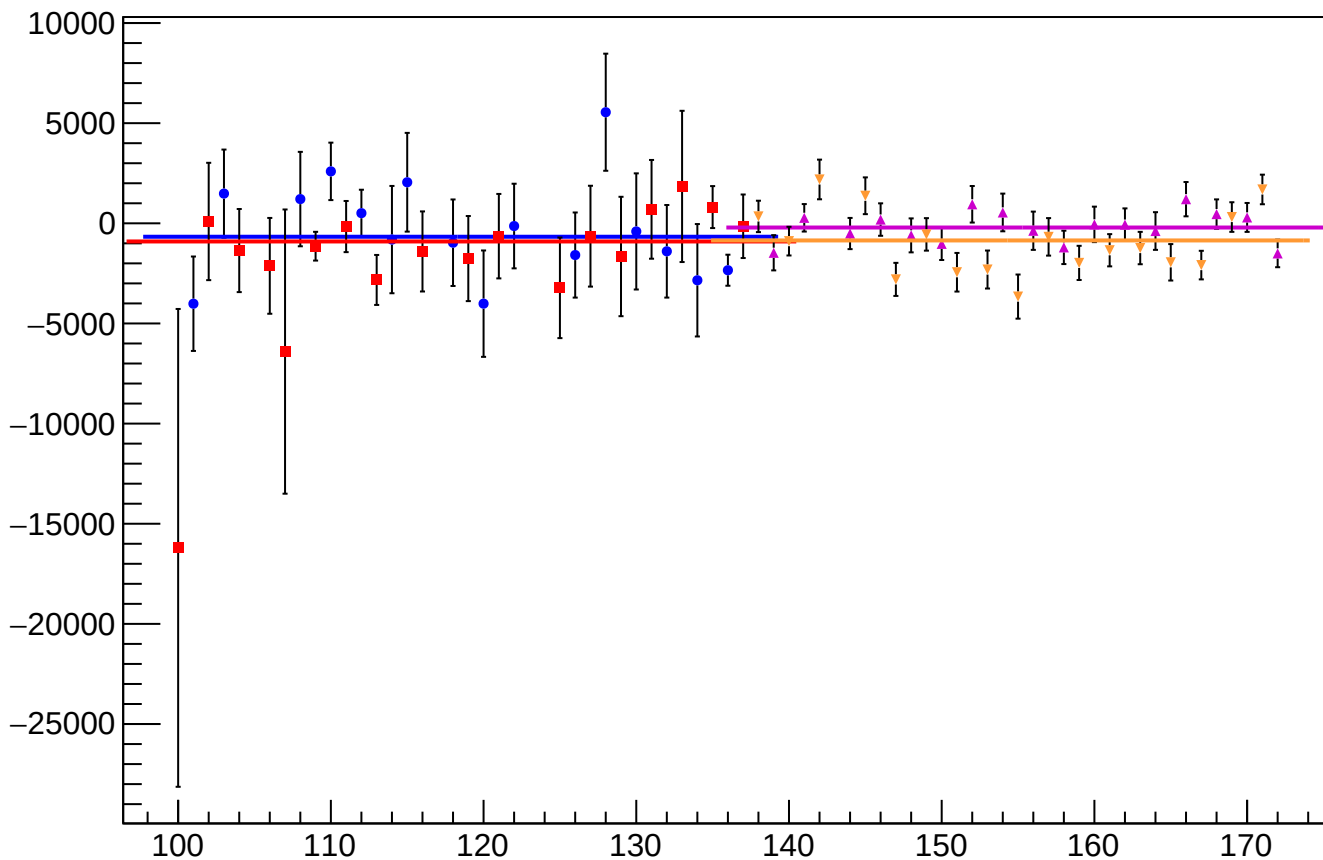
Left In: 1786.290 $\pm$ 0.337 χ^2 /NDF: 8292.4/16

+ sign 1801.151 $\pm$ 0.281 χ^2 /NDF: 309339.2/32

All: 1800.491 $\pm$ 0.197 χ^2 /NDF: 424861.8/67

- sign 1799.852 $\pm$ 0.277 χ^2 /NDF: 115511.7/34

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



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

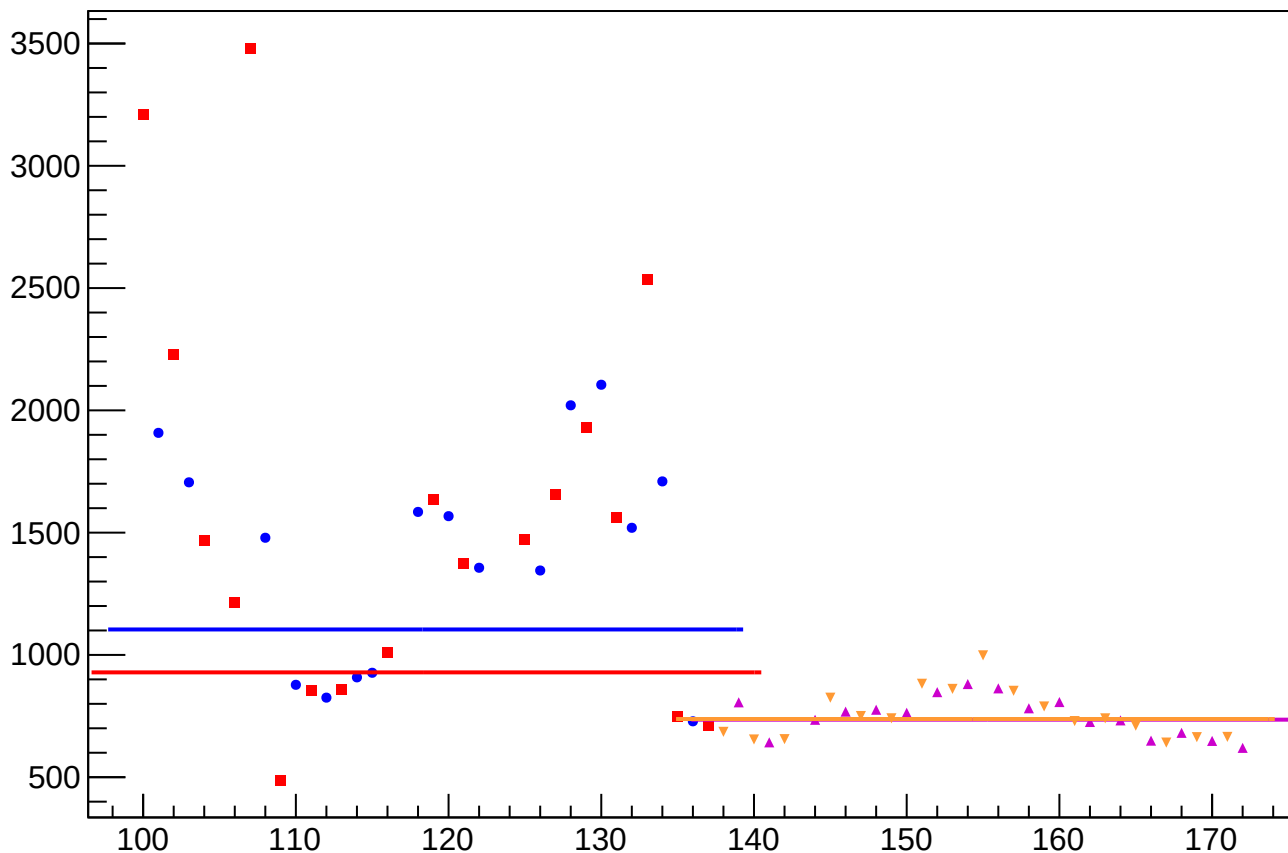
Left In: -210.140+/-197.820 χ^2/NDF : 15.5/16

+ sign -822.971+/-184.683 χ^2/NDF : 79.0/32

All: -576.128+/-127.736 χ^2/NDF : 110.9/67

- sign -349.753+/-176.861 χ^2/NDF : 28.5/34

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



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

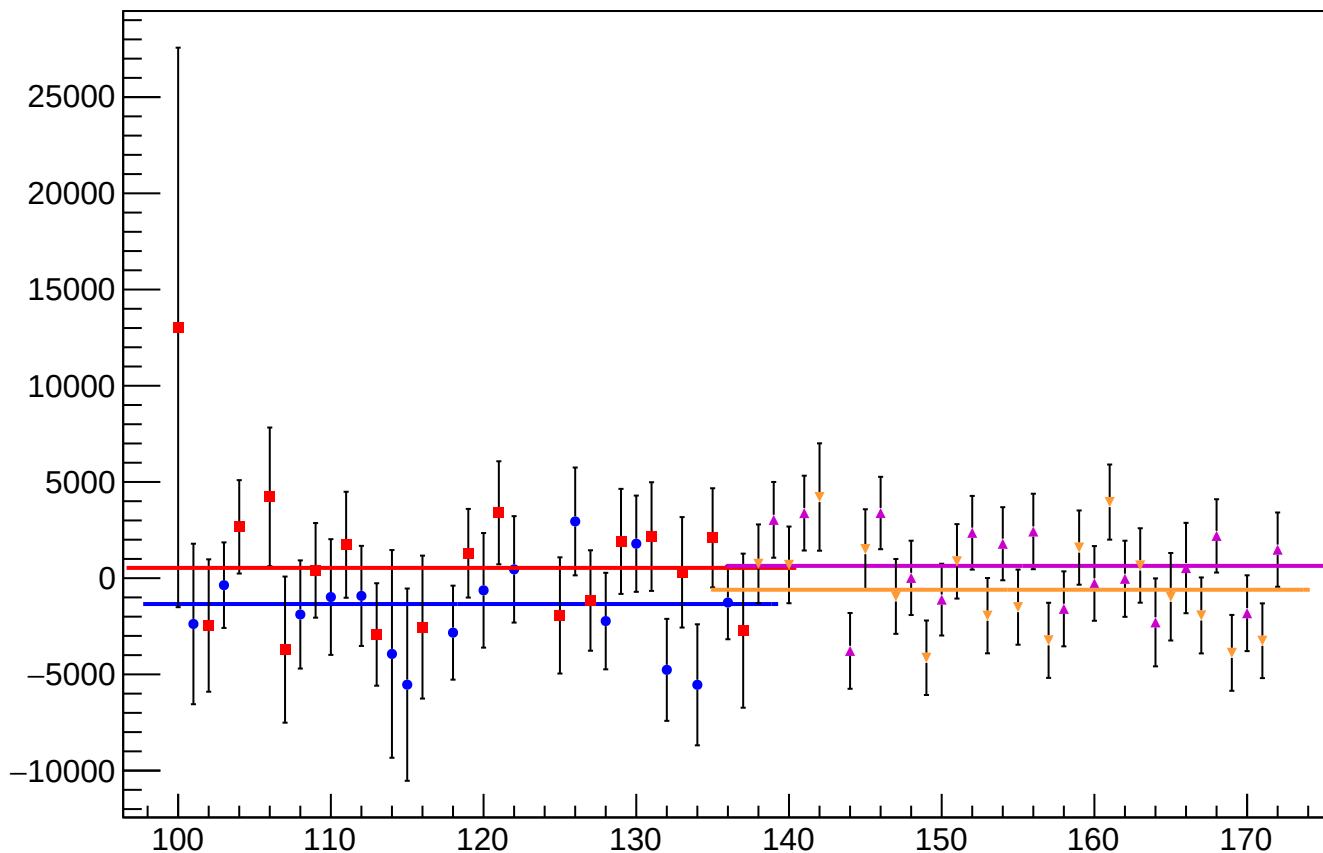
Left In: 735.267+/-0.140 χ^2/NDF : 309598.2/16

+ sign 801.725+/-0.131 χ^2/NDF : 3399850.5/32

All: 787.299+/-0.090 χ^2/NDF : 7170680.6/67

- sign 774.069+/-0.125 χ^2/NDF : 3747434.1/34

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.952 $\pm$ 690.940 χ^2/NDF : 9.6/15

Left Out: -601.496 $\pm$ 487.512 χ^2/NDF : 23.6/16

Right Out: 534.194 $\pm$ 690.970 χ^2/NDF : 11.1/17

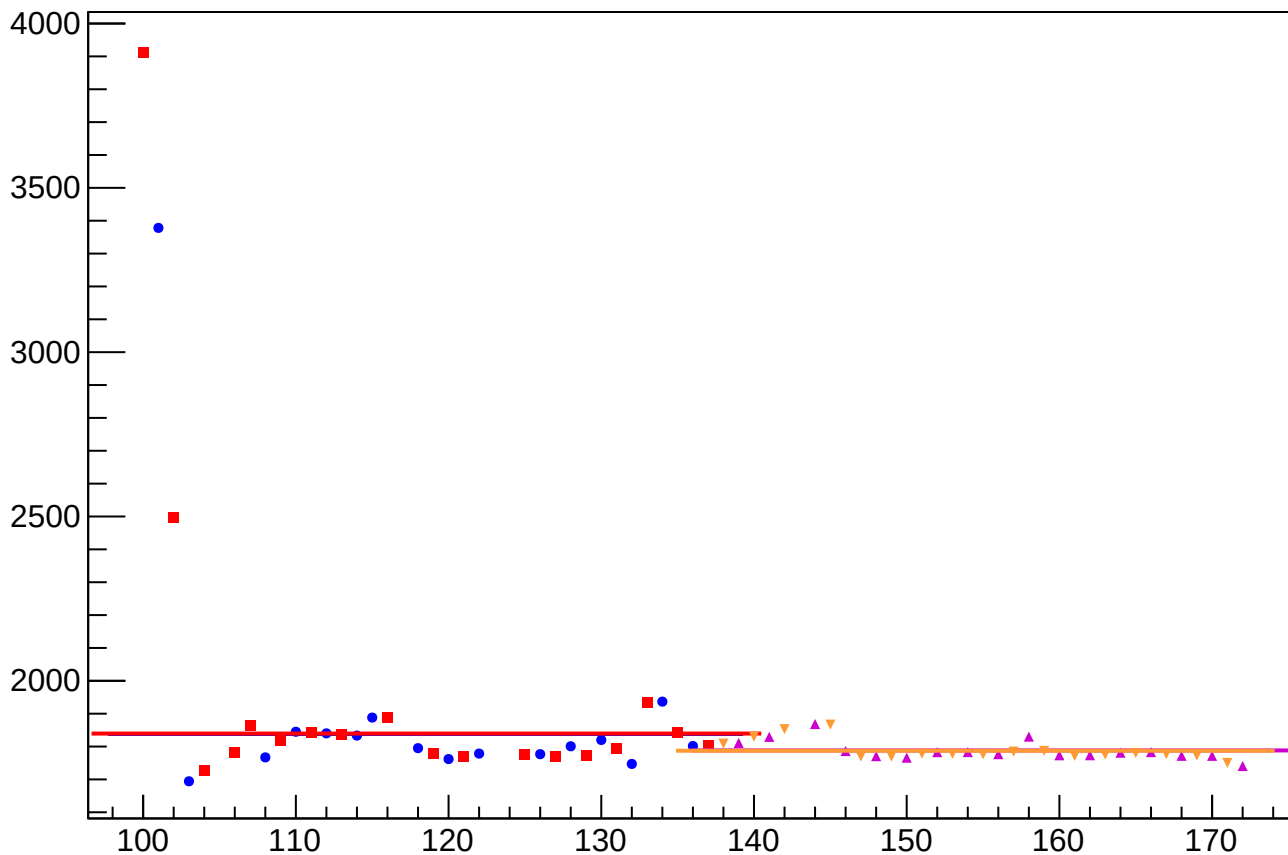
Left In: 638.955 $\pm$ 477.381 χ^2/NDF : 19.4/16

+ sign -848.268 $\pm$ 398.339 χ^2/NDF : 34.0/32

All: -111.332 $\pm$ 279.675 χ^2/NDF : 71.2/67

- sign 605.107 $\pm$ 392.760 χ^2/NDF : 30.5/34

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

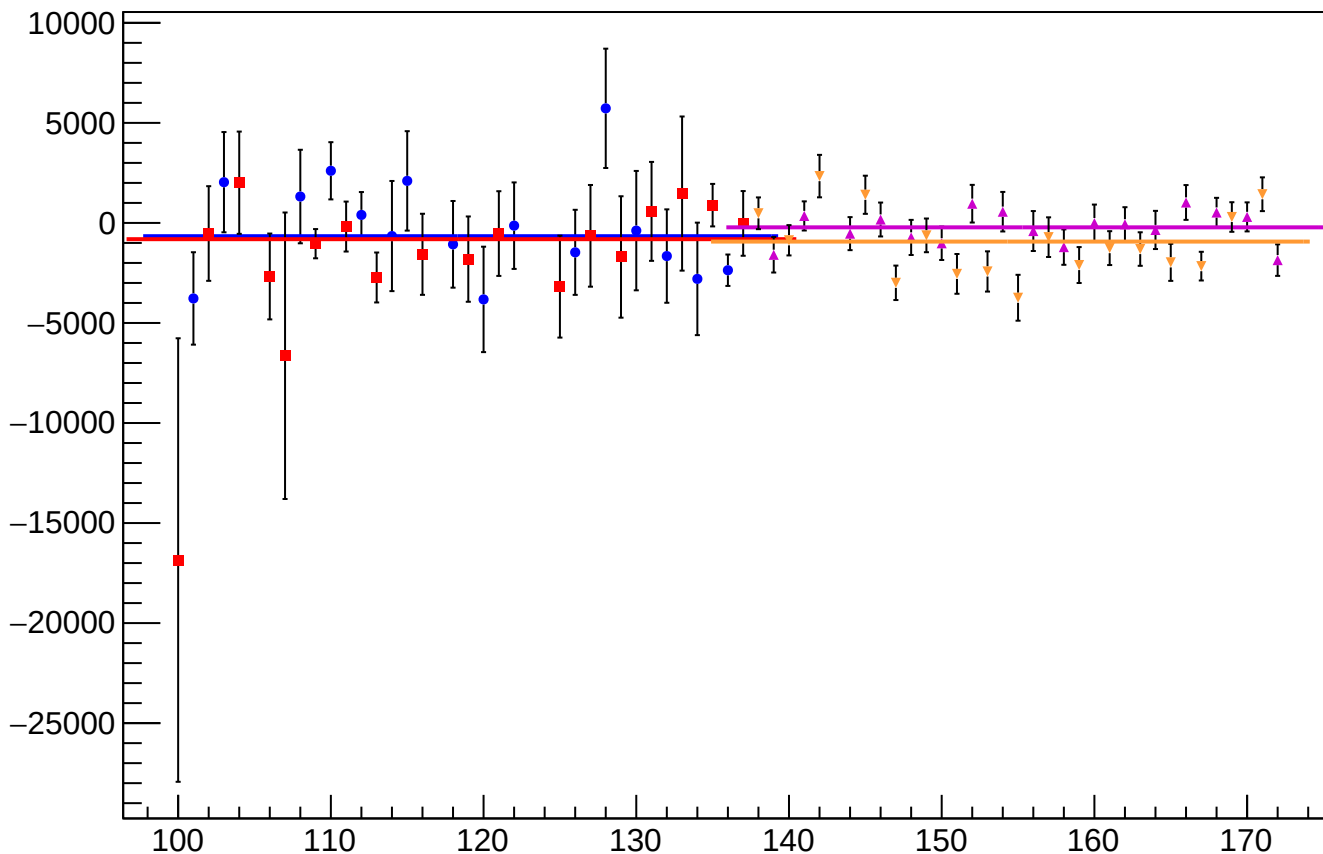
Left In: 1788.196+/-0.338 χ^2/NDF : 7712.8/16

+ sign 1804.190+/-0.282 χ^2/NDF : 306017.7/32

All: 1804.488+/-0.198 χ^2/NDF : 449454.7/67

- sign 1804.778+/-0.278 χ^2/NDF : 143434.8/34

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -663.489+/-445.903 χ^2/NDF : 22.8/15

Left Out: -931.925+/-211.935 χ^2/NDF : 52.3/16

Right Out: -812.187+/-397.187 χ^2/NDF : 12.2/17

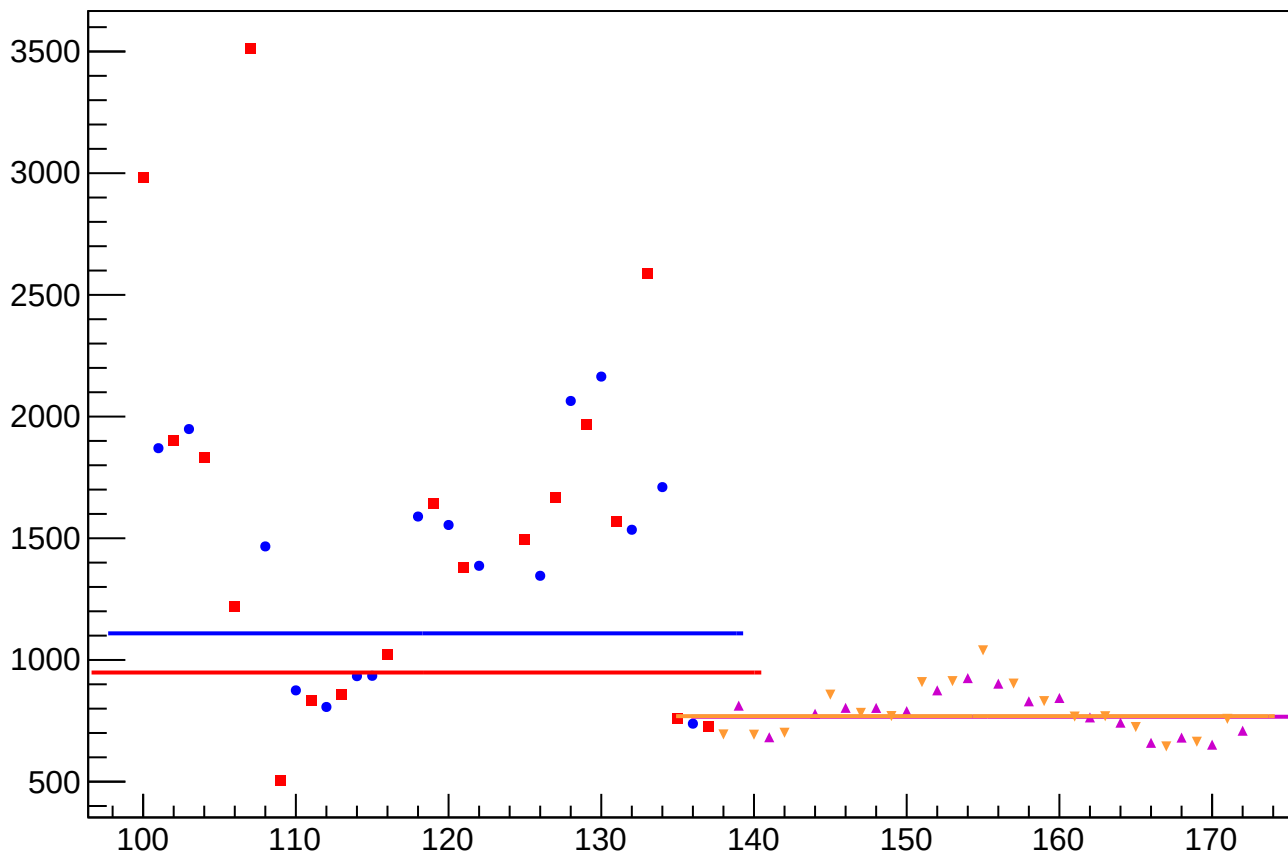
Left In: -220.517+/-206.193 χ^2/NDF : 16.1/16

+ sign -882.459+/-191.414 χ^2/NDF : 75.4/32

All: -602.248+/-132.276 χ^2/NDF : 109.6/67

- sign -346.122+/-183.003 χ^2/NDF : 30.1/34

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1109.362 $\pm$ 0.315 χ^2 /NDF: 1973363.9/15

Left Out: 769.140 $\pm$ 0.150 χ^2 /NDF: 407384.2/16

Right Out: 948.438 $\pm$ 0.281 χ^2 /NDF: 3053670.4/17

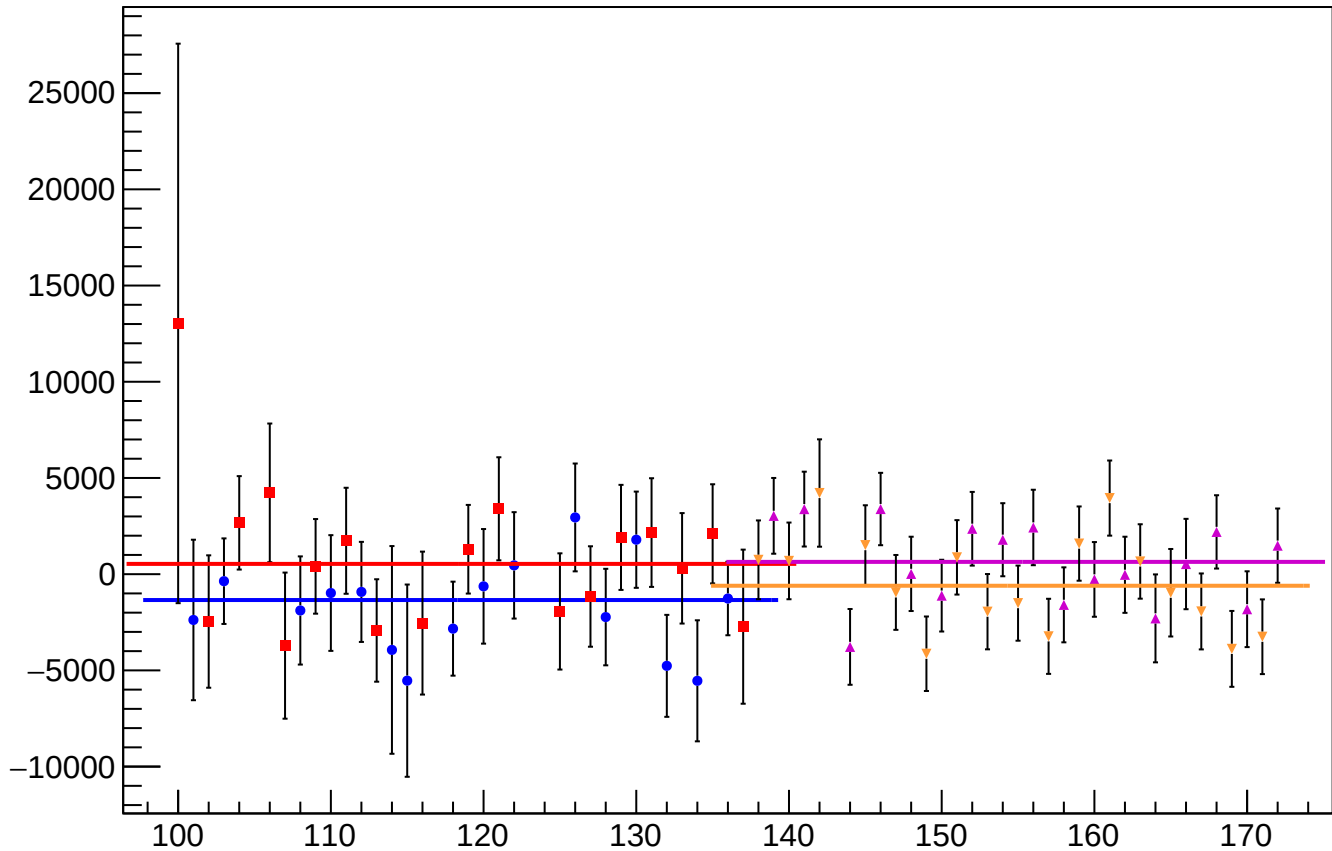
Left In: 766.768 $\pm$ 0.146 χ^2 /NDF: 300143.1/16

+ sign 831.835 $\pm$ 0.135 χ^2 /NDF: 3330510.9/32

All: 817.989 $\pm$ 0.094 χ^2 /NDF: 7033944.1/67

- sign 805.334 $\pm$ 0.129 χ^2 /NDF: 3683405.2/34

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1343.955+/-690.940 χ^2/NDF : 9.6/15

Left Out: -601.495+/-487.512 χ^2/NDF : 23.6/16

Right Out: 534.199+/-690.970 χ^2/NDF : 11.1/17

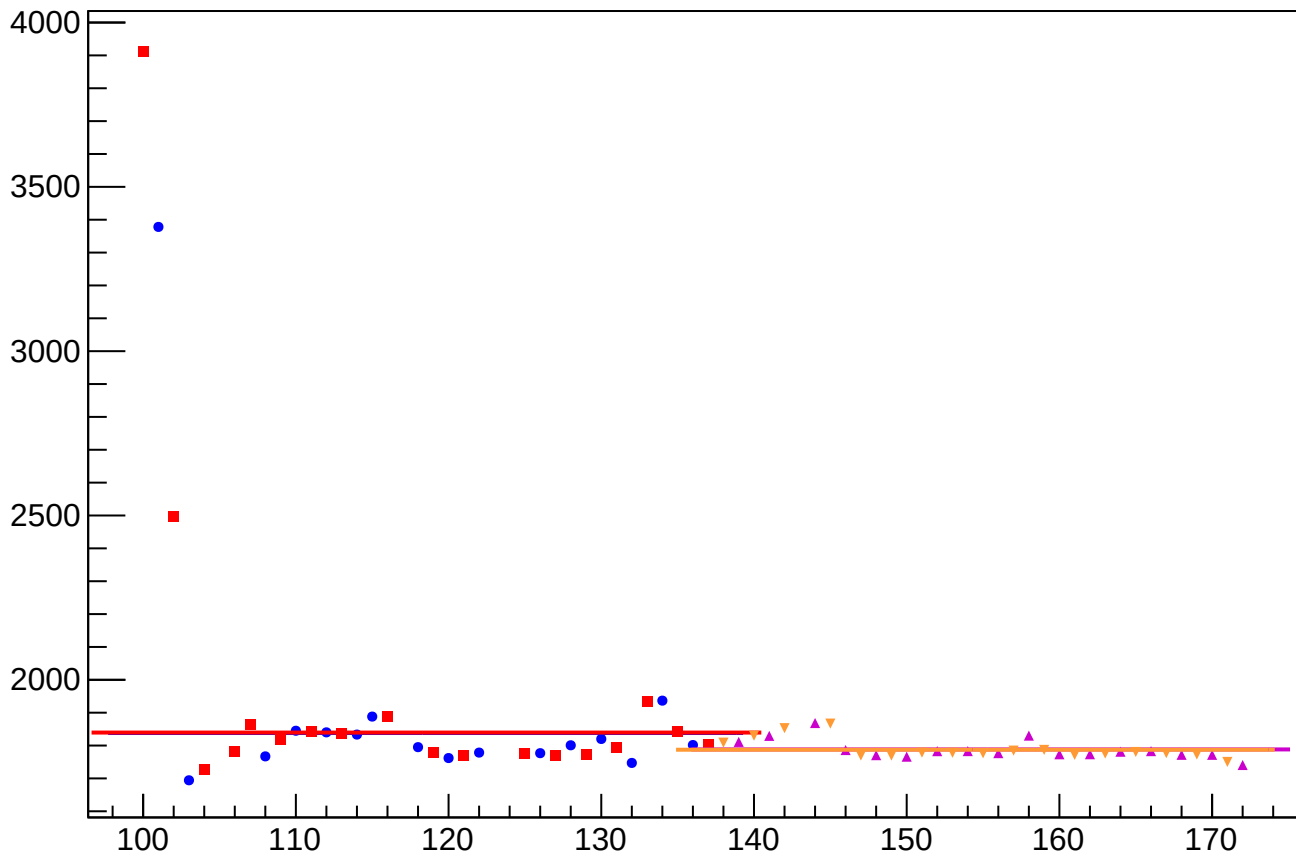
Left In: 638.955+/-477.381 χ^2/NDF : 19.4/16

+ sign -848.268+/-398.339 χ^2/NDF : 34.0/32

All: -111.331+/-279.675 χ^2/NDF : 71.2/67

- sign 605.109+/-392.760 χ^2/NDF : 30.5/34

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

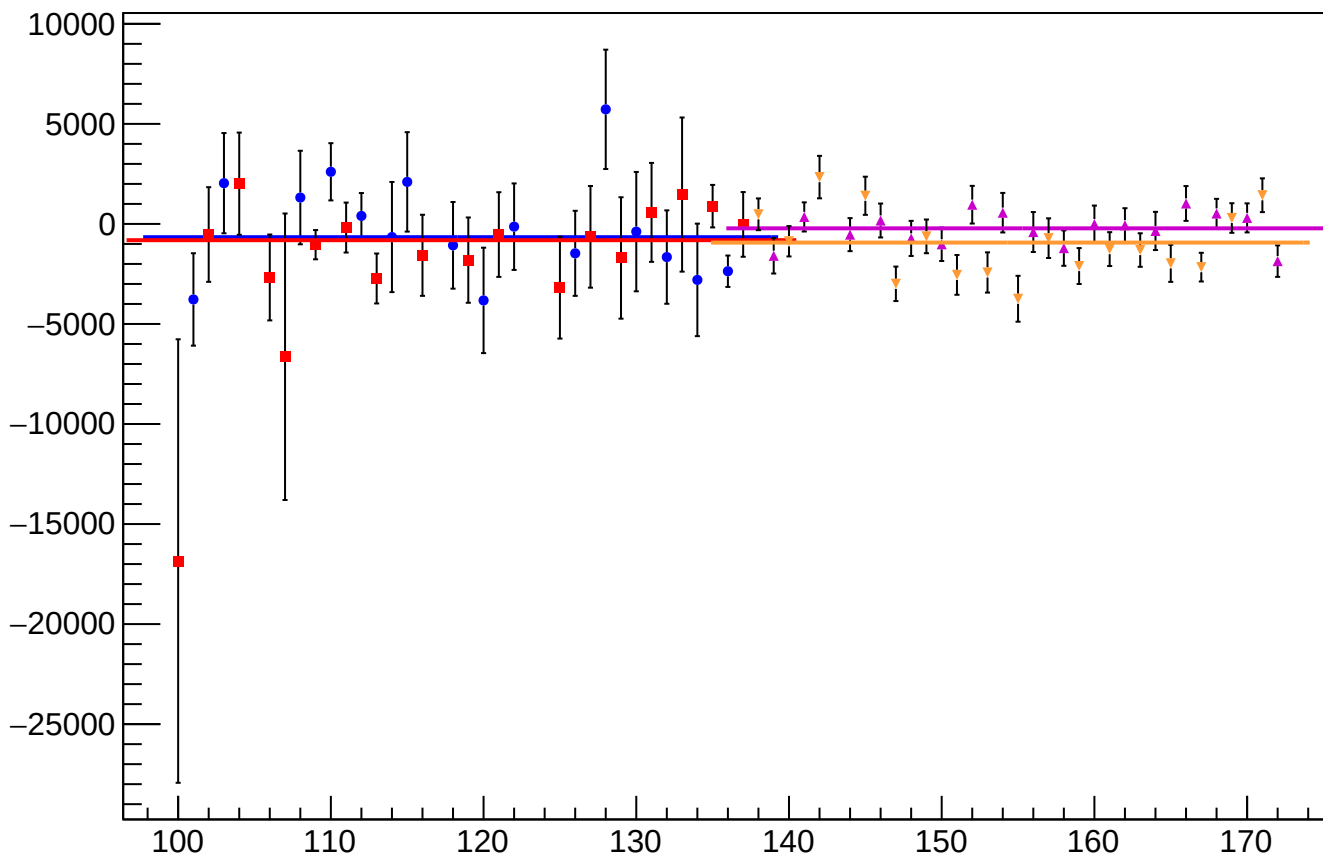
Left In: 1788.196+/-0.338 χ^2/NDF : 7712.8/16

+ sign 1804.190+/-0.282 χ^2/NDF : 306017.7/32

All: 1804.488+/-0.198 χ^2/NDF : 449454.8/67

- sign 1804.778+/-0.278 χ^2/NDF : 143434.9/34

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



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

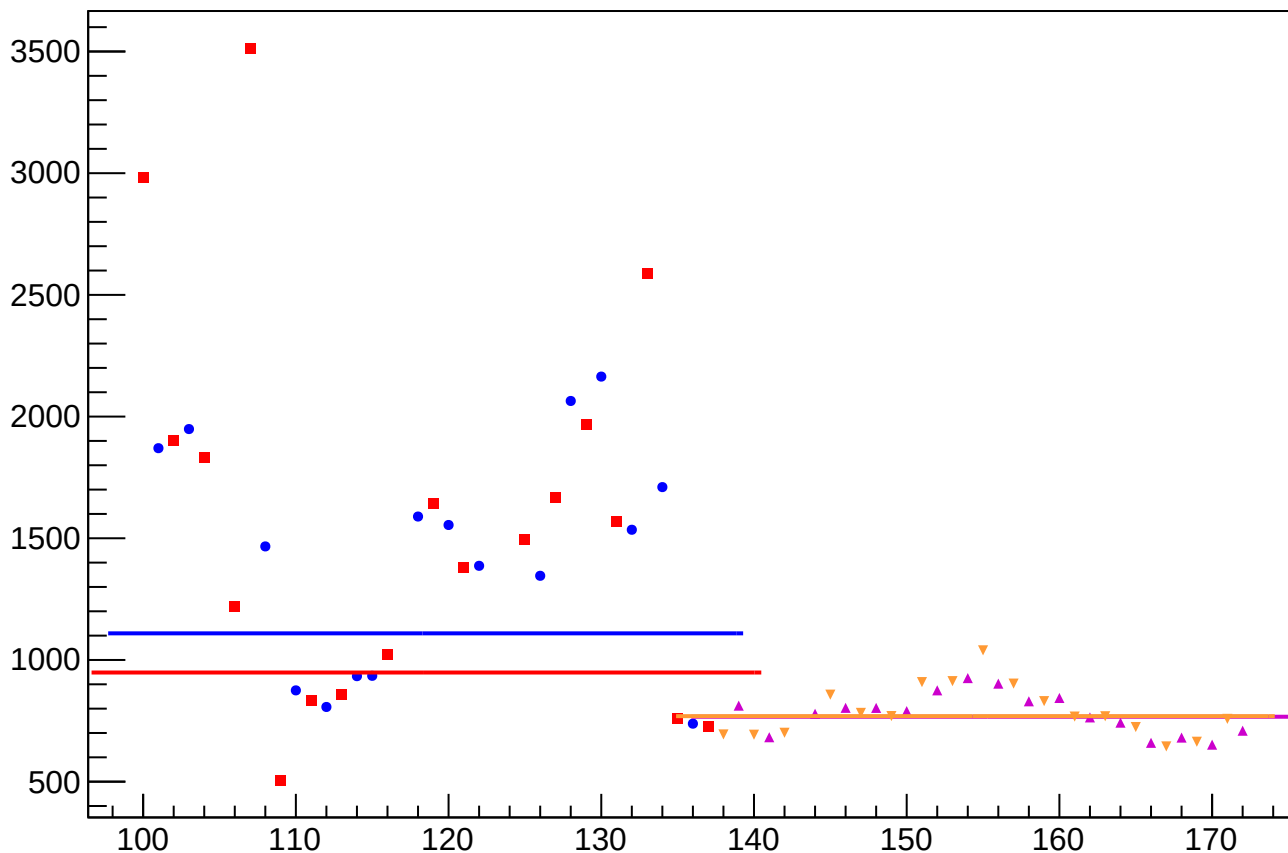
Left In: -220.514+/-206.193 χ^2/NDF : 16.1/16

+ sign -882.459+/-191.414 χ^2/NDF : 75.4/32

All: -602.247+/-132.276 χ^2/NDF : 109.6/67

- sign -346.121+/-183.003 χ^2/NDF : 30.1/34

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



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

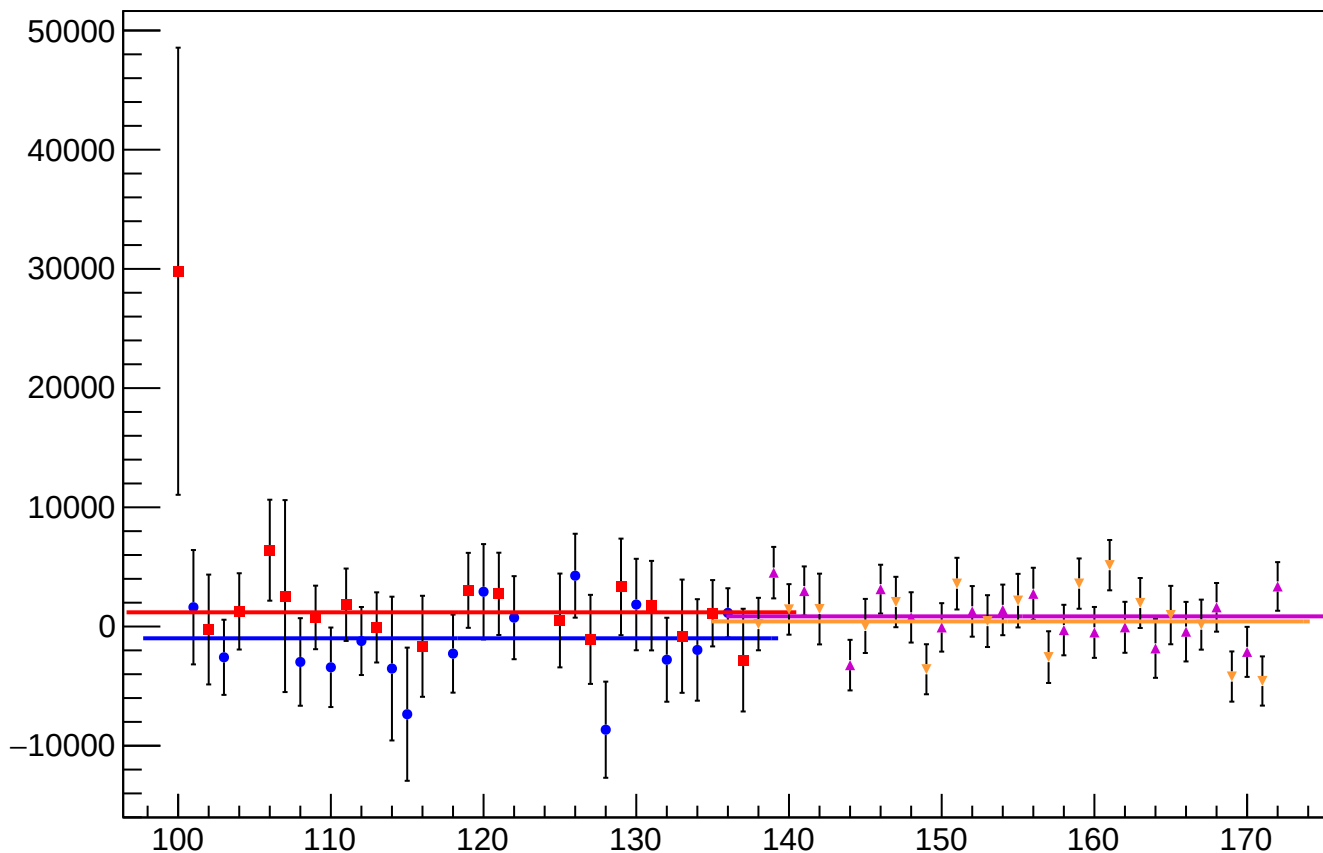
Left In: 766.767+/-0.146 χ^2/NDF : 300151.3/16

+ sign 831.836+/-0.135 χ^2/NDF : 3330474.1/32

All: 817.990+/-0.094 χ^2/NDF : 7033899.7/67

- sign 805.334+/-0.129 χ^2/NDF : 3683396.4/34

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -987.532 $\pm$ 873.840 χ^2 /NDF: 12.0/15

Left Out: 428.360 $\pm$ 530.537 χ^2 /NDF: 27.8/16

Right Out: 1192.173 $\pm$ 870.432 χ^2 /NDF: 7.0/17

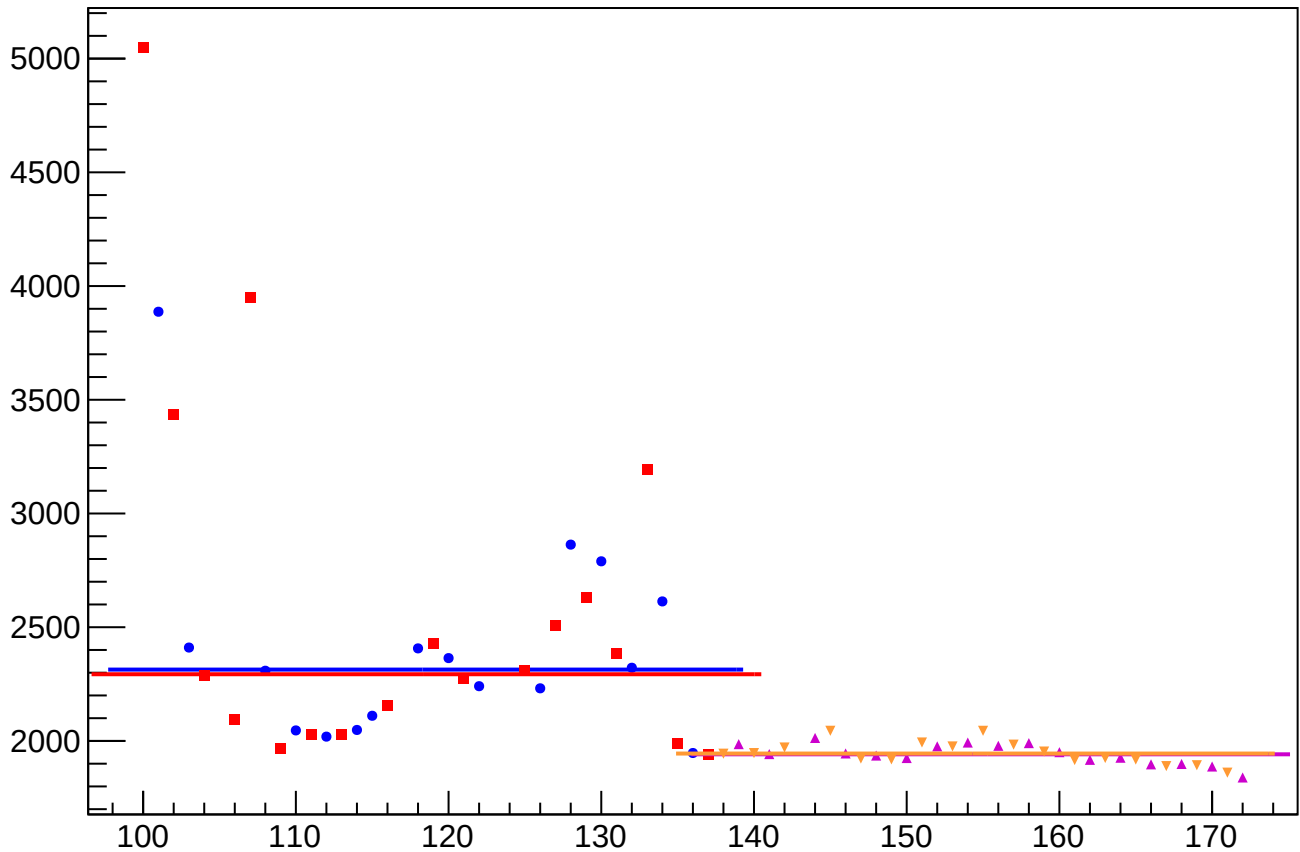
Left In: 852.346 $\pm$ 518.332 χ^2 /NDF: 16.0/16

+ sign 47.015 $\pm$ 453.498 χ^2 /NDF: 41.7/32

All: 502.267 $\pm$ 317.752 χ^2 /NDF: 66.7/67

- sign 941.305 $\pm$ 445.350 χ^2 /NDF: 23.0/34

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

+ sign 2043.985+/-0.321 χ^2/NDF : 680911.5/32

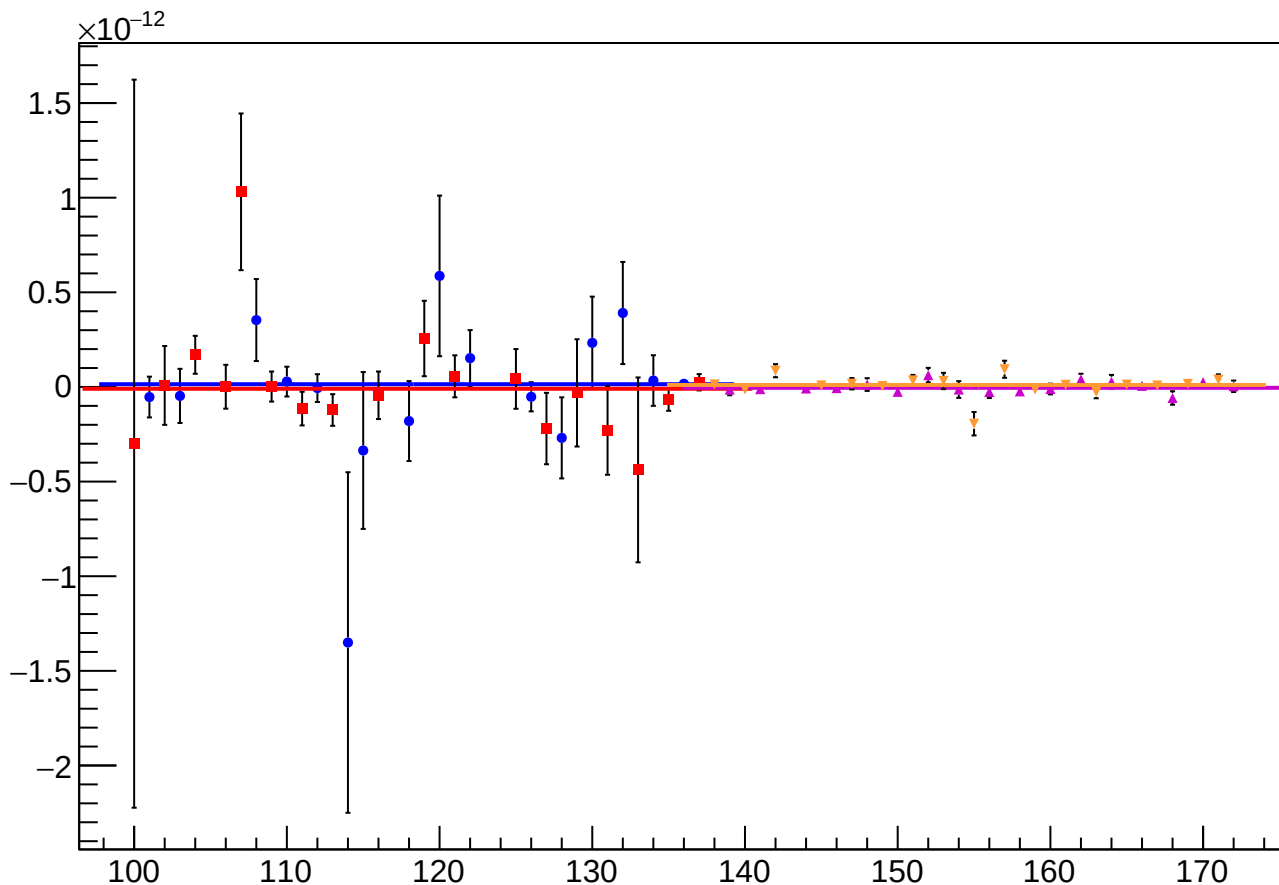
Right Out: 2293.273+/-0.615 χ^2/NDF : 453202.3/17

All: 2038.594+/-0.225 χ^2/NDF : 1391028.0/67

- sign 2033.395+/-0.315 χ^2/NDF : 709561.2/34

Left In: 1941.238+/-0.367 χ^2/NDF : 14855.0/16

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:25.3/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/17

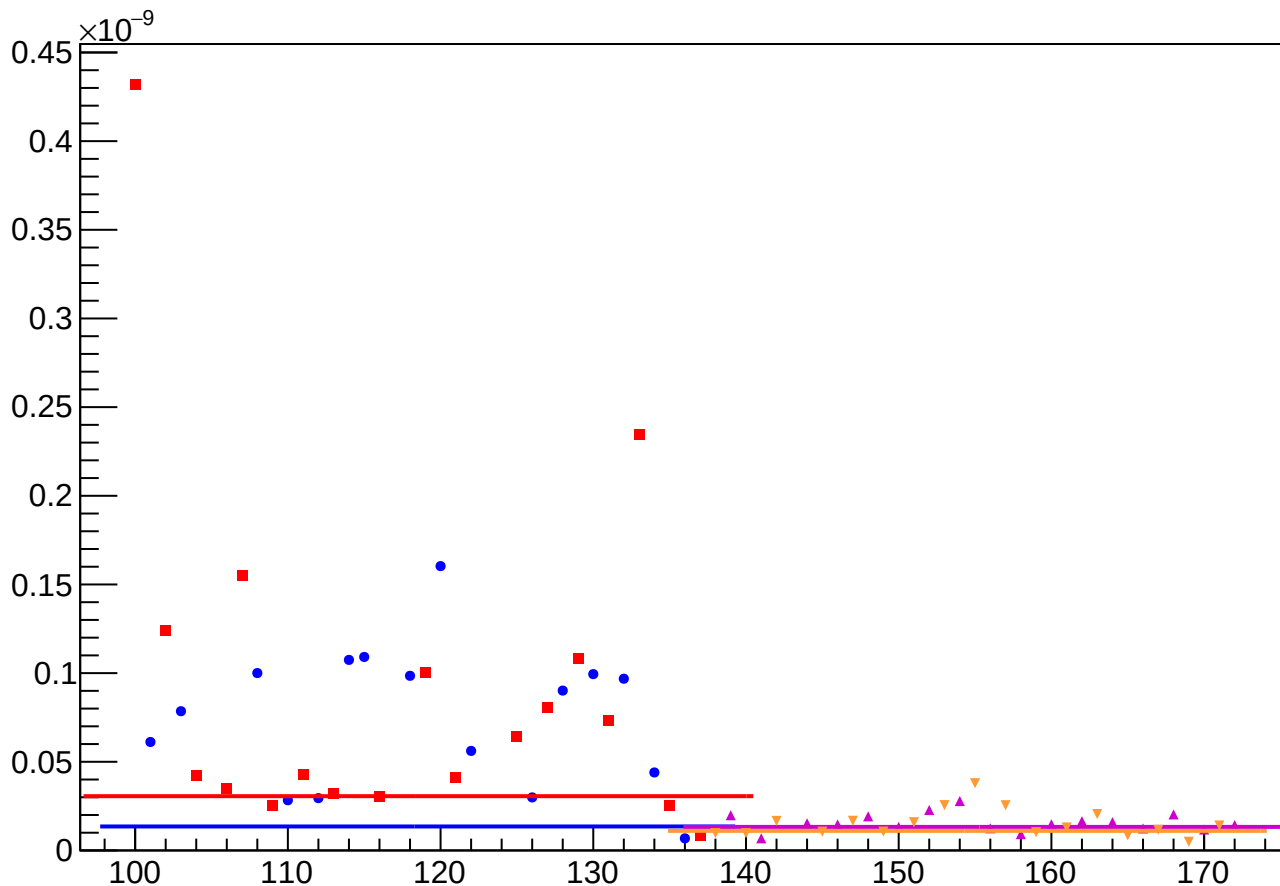
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.3/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 76.9/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.7/34

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 3416094.6/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1700380.1/16$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2349183.7/17$

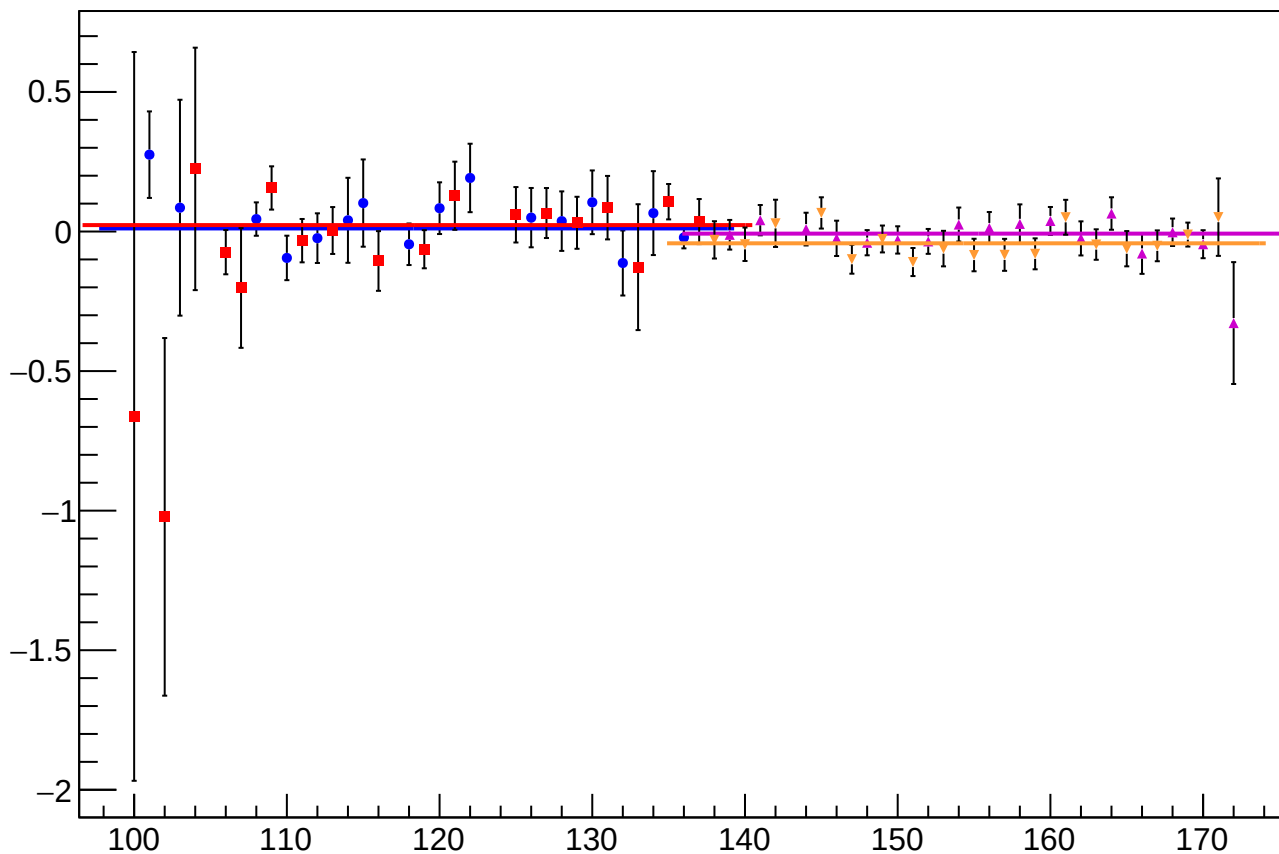
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1141700.3/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 5170334.1/32$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 9906351.1/67$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 4459574.7/34$

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.042 $\pm$ 0.014 χ^2 /NDF:12.6/16

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

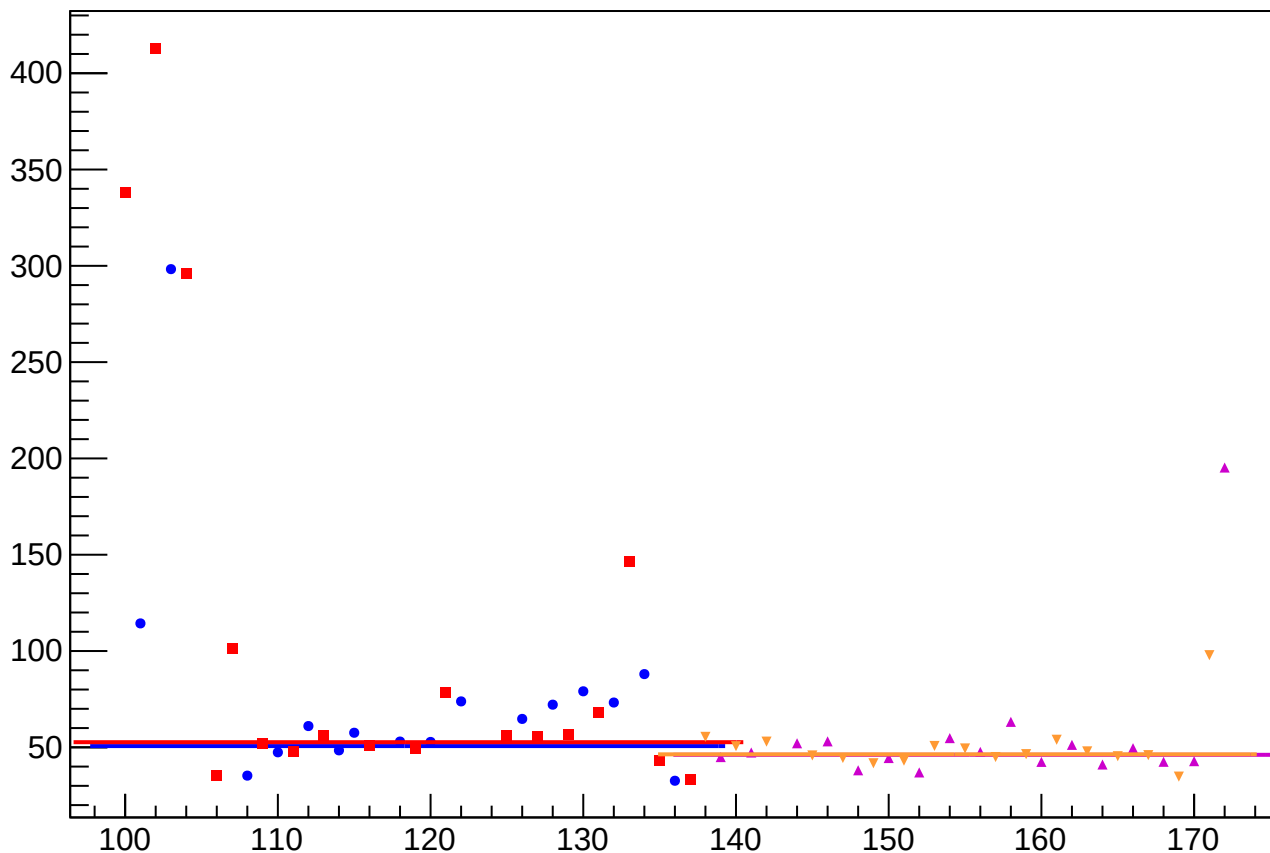
Left In: -0.008 $\pm$ 0.014 χ^2 /NDF:8.8/16

+ sign -0.027 $\pm$ 0.012 χ^2 /NDF: 28.5/32

All: -0.013 $\pm$ 0.008 χ^2 /NDF: 57.2/67

- sign 0.000 $\pm$ 0.012 χ^2 /NDF: 26.1/34

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

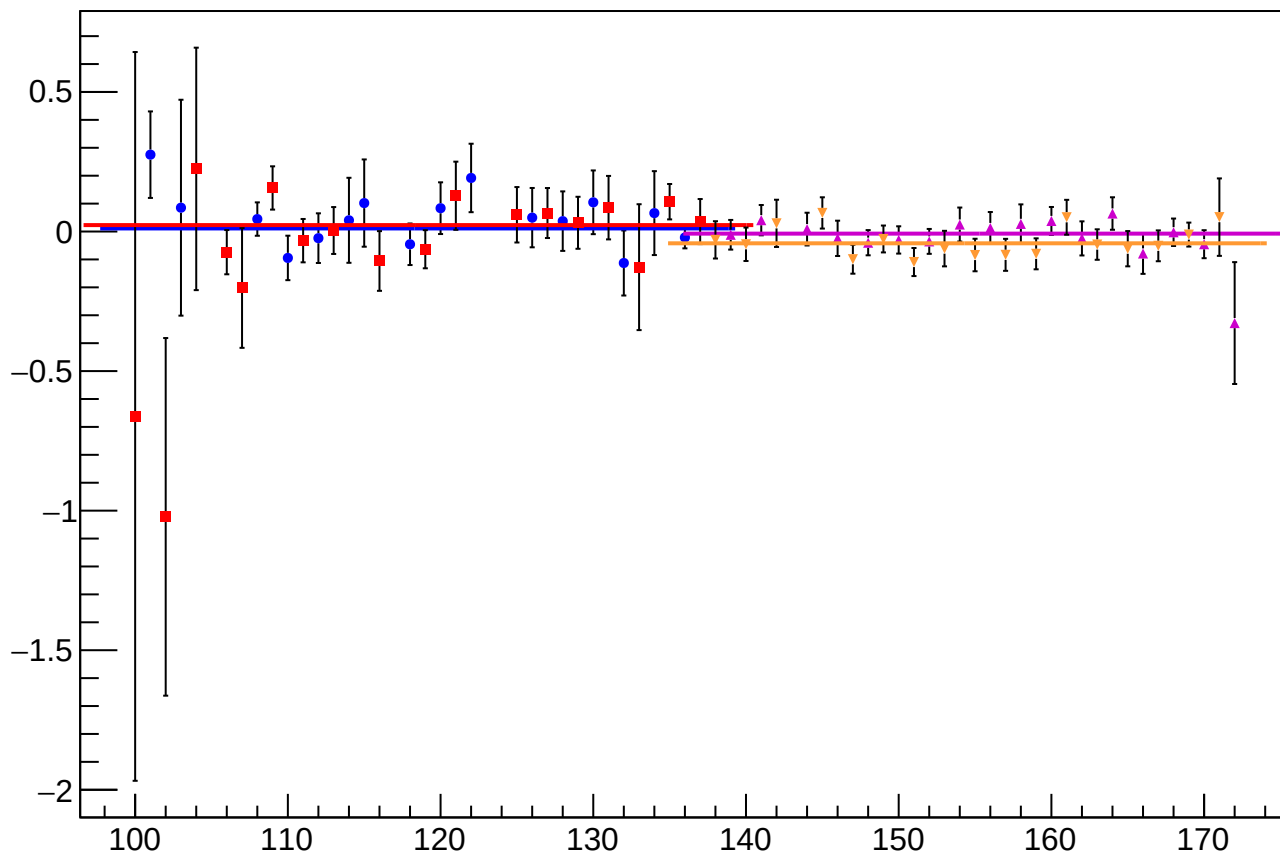
Left In: 46.107 +/- 0.010 χ^2/NDF : 1357017.0/16

+ sign 47.603 +/- 0.008 χ^2/NDF : 2878274.7/32

All: 47.699 +/- 0.006 χ^2/NDF : 6567159.3/67

- sign 47.793 +/- 0.008 χ^2/NDF : 3688622.6/34

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 $\pm$ 0.022 χ^2 /NDF: 11.7/15

Left Out: -0.042 $\pm$ 0.014 χ^2 /NDF:12.6/16

Right Out: 0.023 $\pm$ 0.023 χ^2 /NDF: 16.0/17

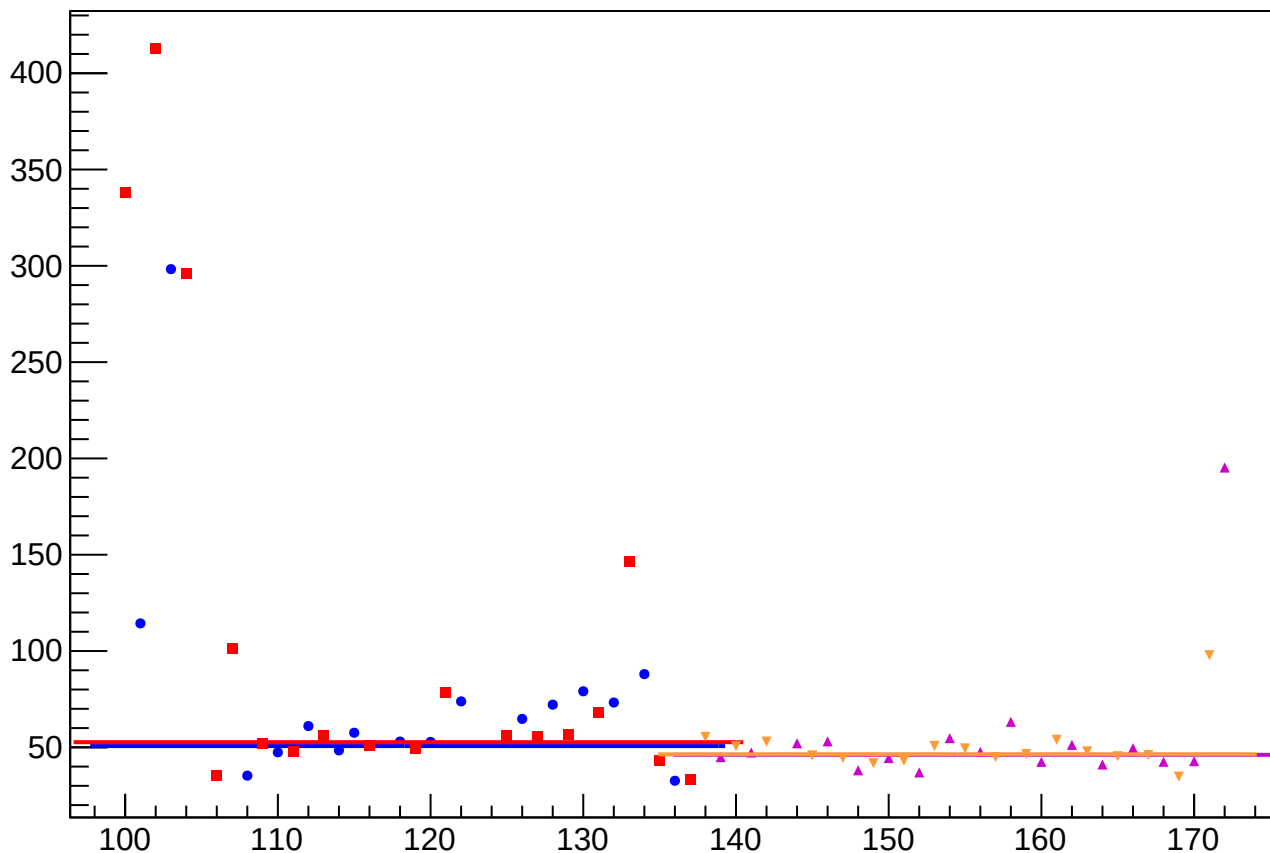
Left In: -0.008 $\pm$ 0.014 χ^2 /NDF:8.8/16

+ sign -0.027 $\pm$ 0.012 χ^2 /NDF: 28.5/32

All: -0.013 $\pm$ 0.008 χ^2 /NDF: 57.2/67

- sign 0.000 $\pm$ 0.012 χ^2 /NDF: 26.1/34

asym_us_dd_atlr_dd_avg_dit_vs_eigen_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

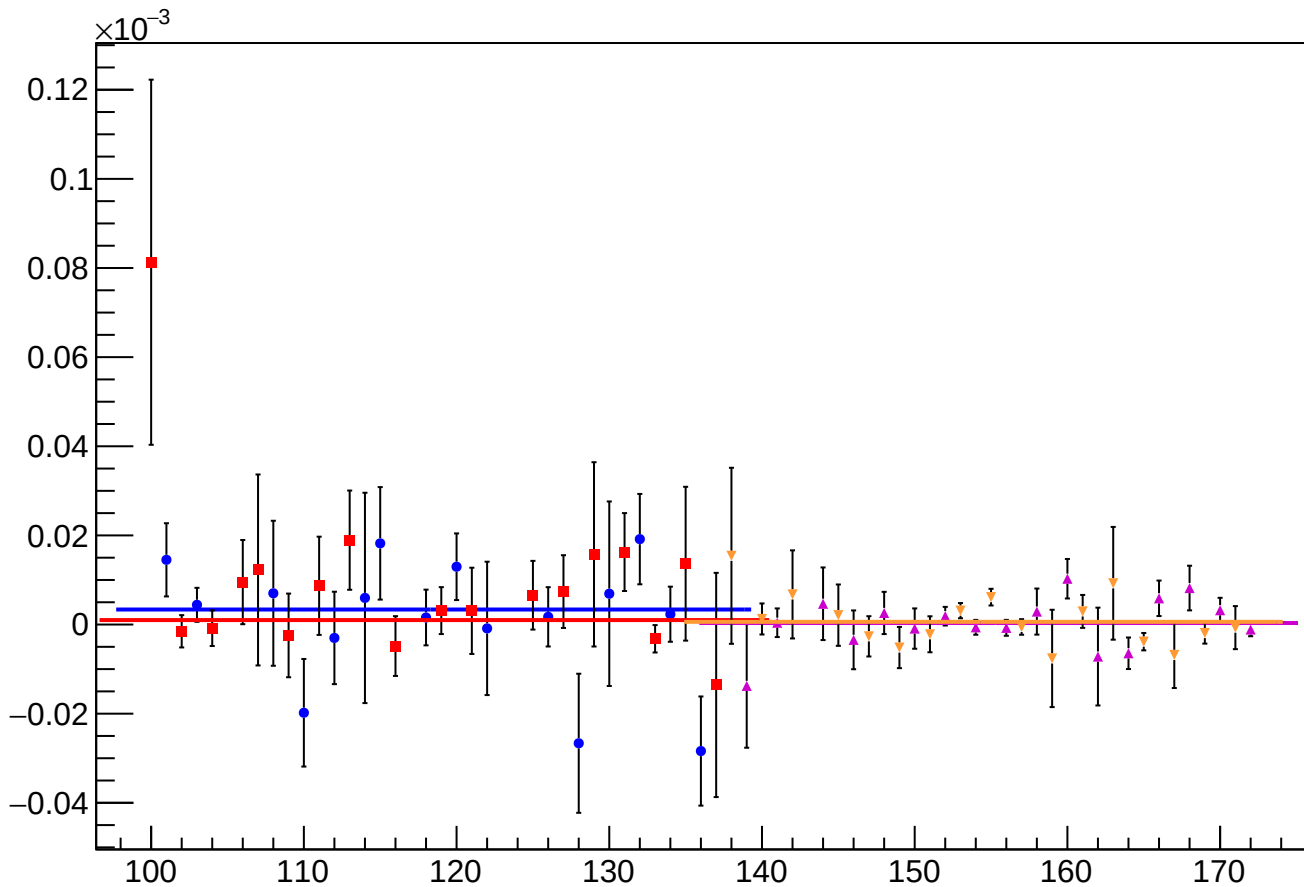
Left In: 46.107 ± 0.010 χ^2/NDF : 1357017.0/16

+ sign 47.603 ± 0.008 χ^2/NDF : 2878274.7/32

All: 47.699 ± 0.006 χ^2/NDF : 6567159.3/67

- sign 47.793 ± 0.008 χ^2/NDF : 3688622.6/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23.8/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

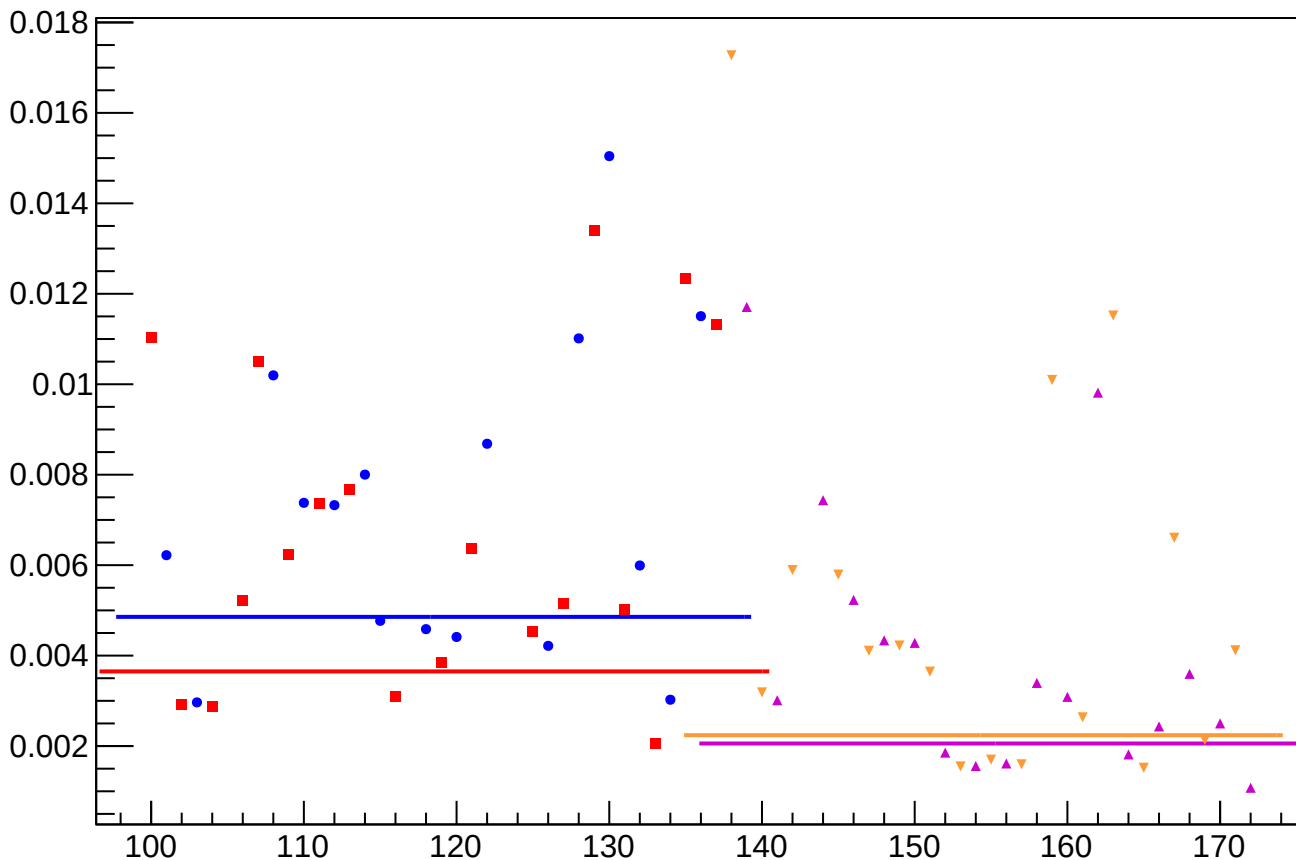
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.5/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.2/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.4/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

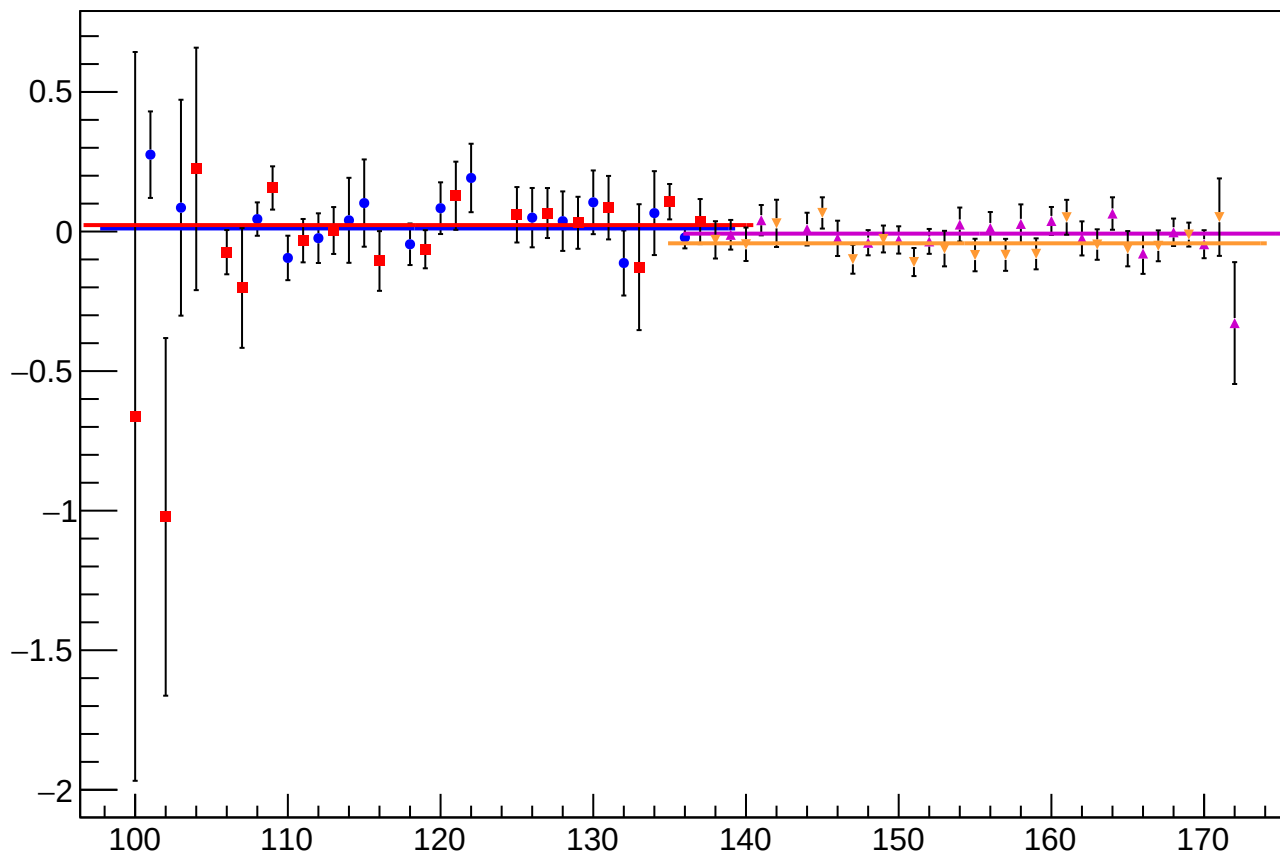
Left In: 0.002+/-0.000 χ^2/NDF : 6103294.2/16

+ sign 0.003+/-0.000 χ^2/NDF : 12782440.0/32

All: 0.002+/-0.000 χ^2/NDF : 23807359.4/67

- sign 0.002+/-0.000 χ^2/NDF : 10929418.5/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

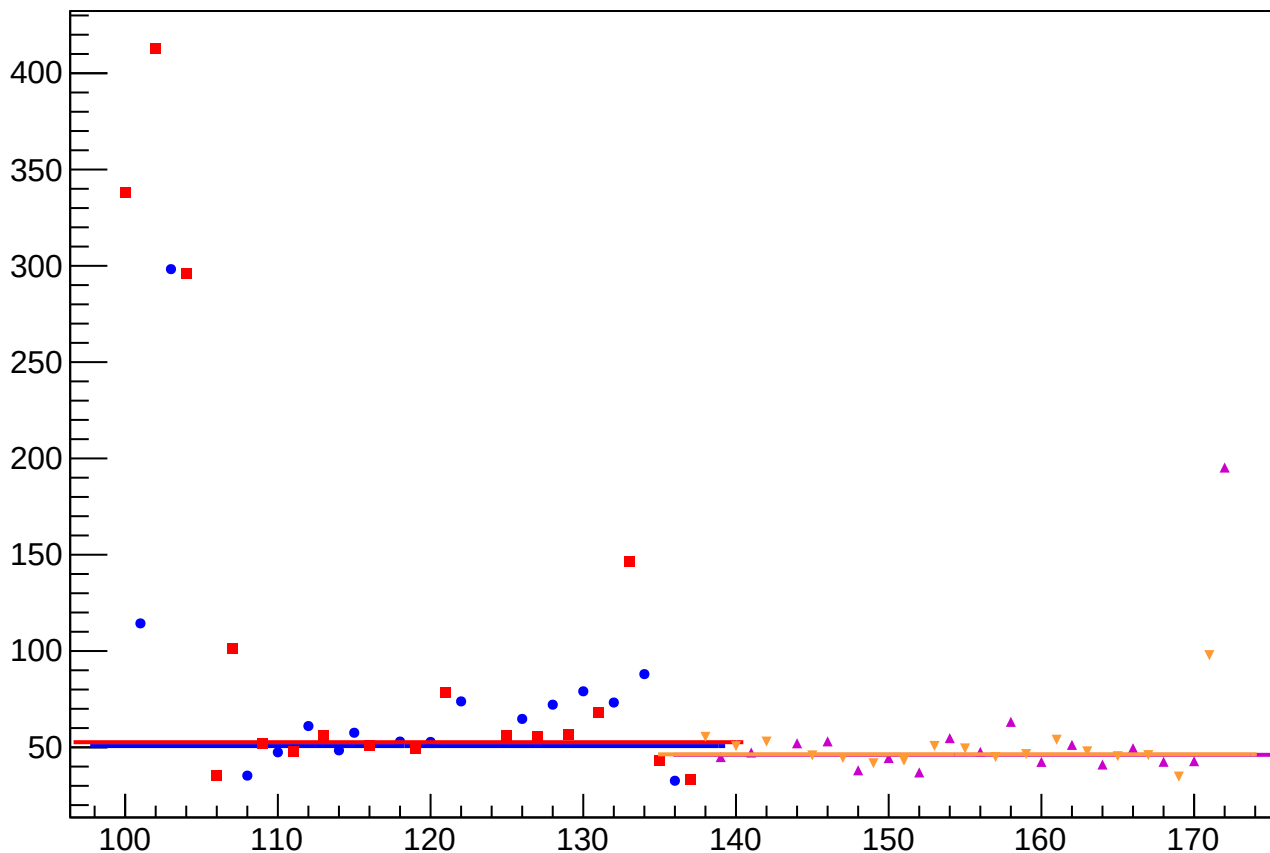
Left In: -0.008 ± 0.014 χ^2/NDF : 8.8/16

+ sign -0.027 ± 0.012 χ^2/NDF : 28.5/32

All: -0.013 ± 0.008 χ^2/NDF : 57.2/67

- sign 0.000 ± 0.012 χ^2/NDF : 26.1/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.646 $\pm$ 0.015 χ^2 /NDF: 2266348.3/15

Left Out: 46.355 $\pm$ 0.010 χ^2 /NDF: 557272.8/16

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

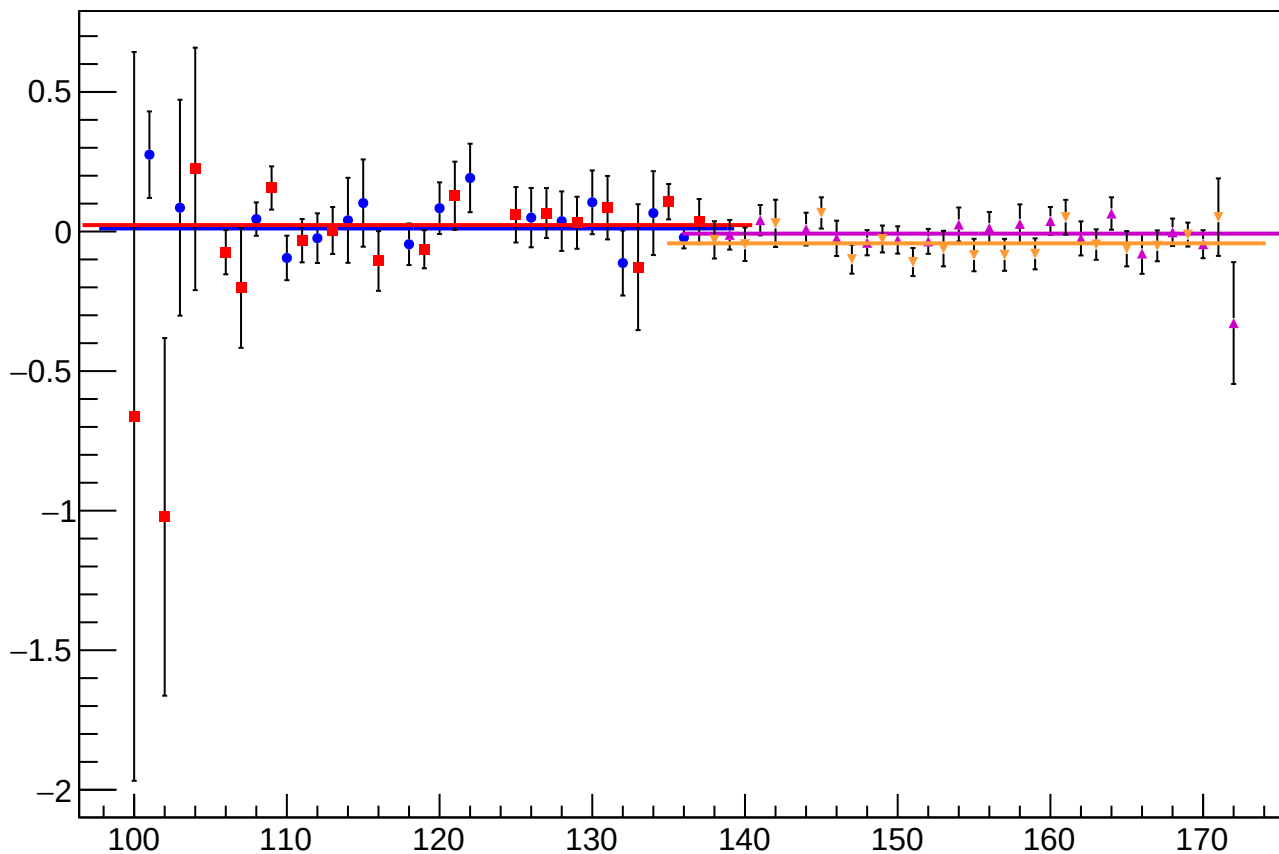
Left In: 46.107 $\pm$ 0.010 χ^2 /NDF: 1356959.1/16

+ sign 47.603 $\pm$ 0.008 χ^2 /NDF: 2878202.6/32

All: 47.699 $\pm$ 0.006 χ^2 /NDF: 6566933.1/67

- sign 47.794 $\pm$ 0.008 χ^2 /NDF: 3688467.1/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

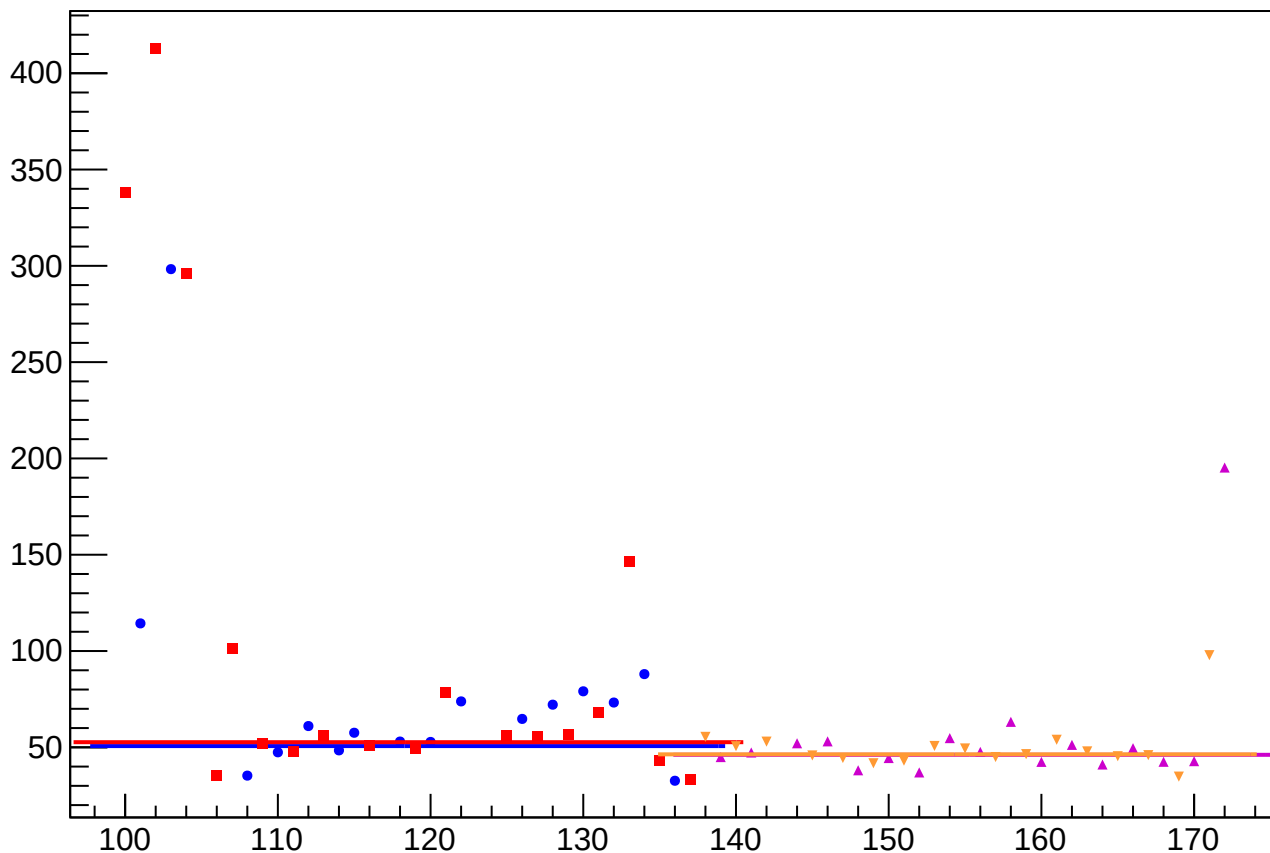
Left In: -0.008 ± 0.014 χ^2/NDF : 8.8/16

+ sign -0.027 ± 0.012 χ^2/NDF : 28.5/32

All: -0.013 ± 0.008 χ^2/NDF : 57.2/67

- sign 0.000 ± 0.012 χ^2/NDF : 26.1/34

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.646 $\pm$ 0.015 χ^2 /NDF: 2266348.3/15

Left Out: 46.355 $\pm$ 0.010 χ^2 /NDF: 557272.8/16

Right Out: 52.667 $\pm$ 0.016 χ^2 /NDF: 2211822.2/17

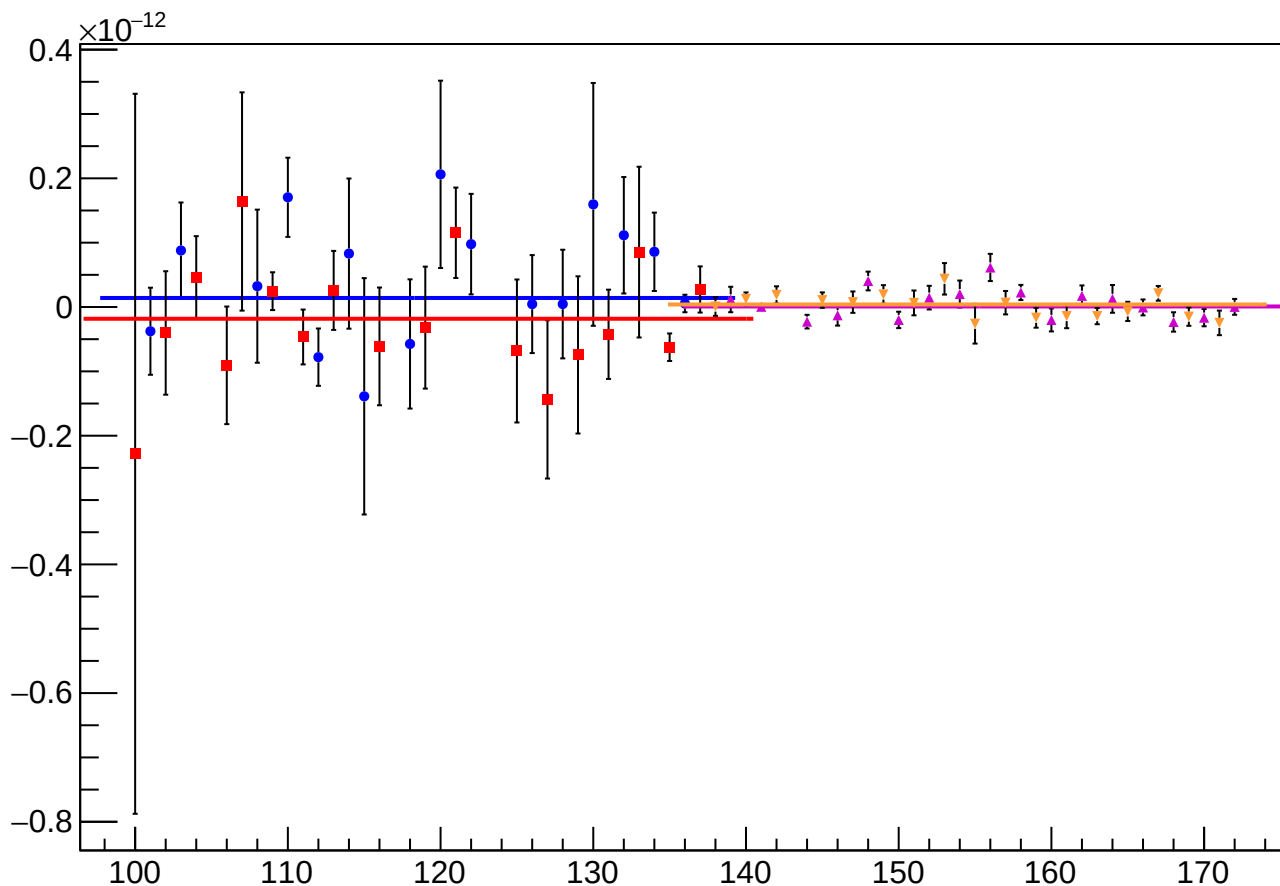
Left In: 46.107 $\pm$ 0.010 χ^2 /NDF: 1356959.1/16

+ sign 47.603 $\pm$ 0.008 χ^2 /NDF: 2878202.6/32

All: 47.699 $\pm$ 0.006 χ^2 /NDF: 6566933.1/67

- sign 47.794 $\pm$ 0.008 χ^2 /NDF: 3688467.1/34

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.8/16

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/17

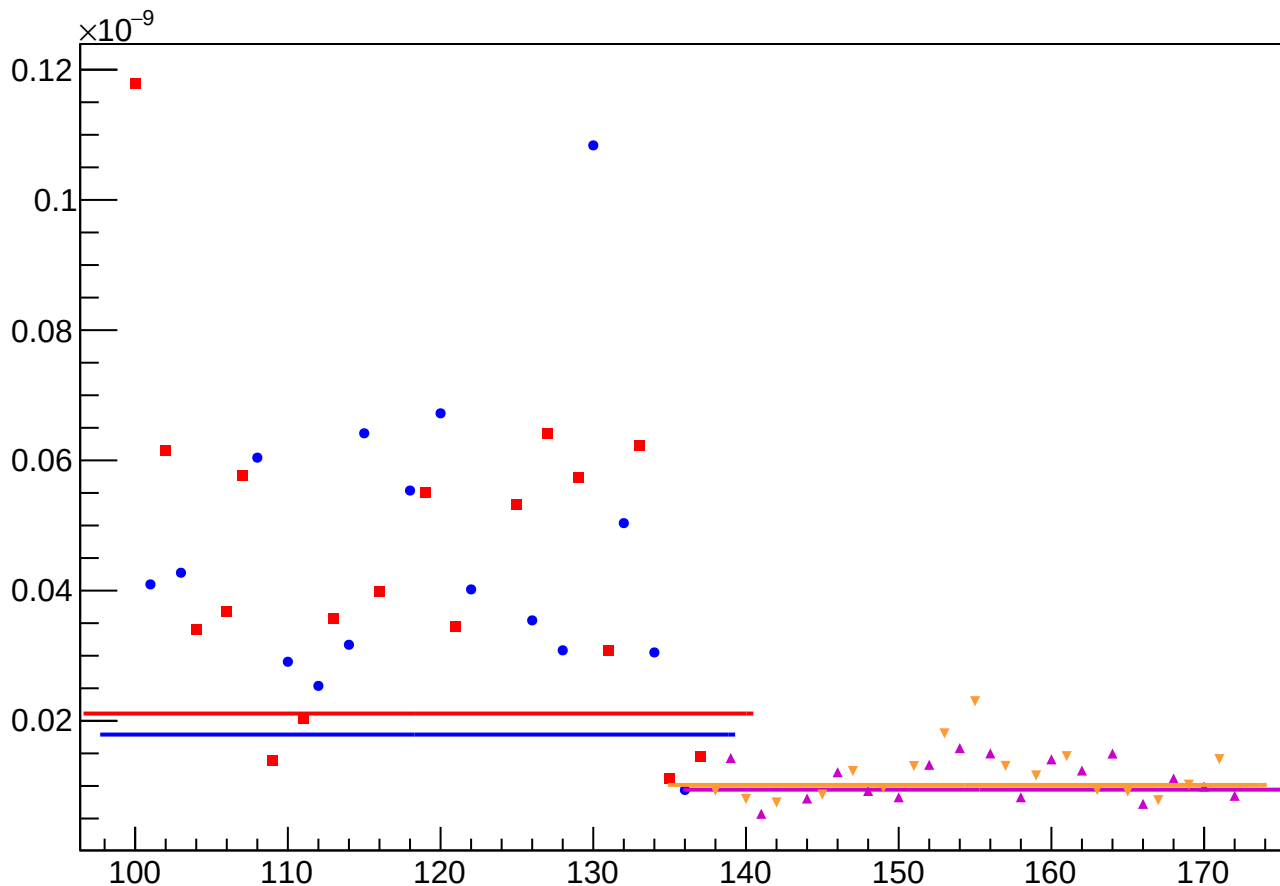
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:36.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.8/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 97.3/67

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 56.2/34

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

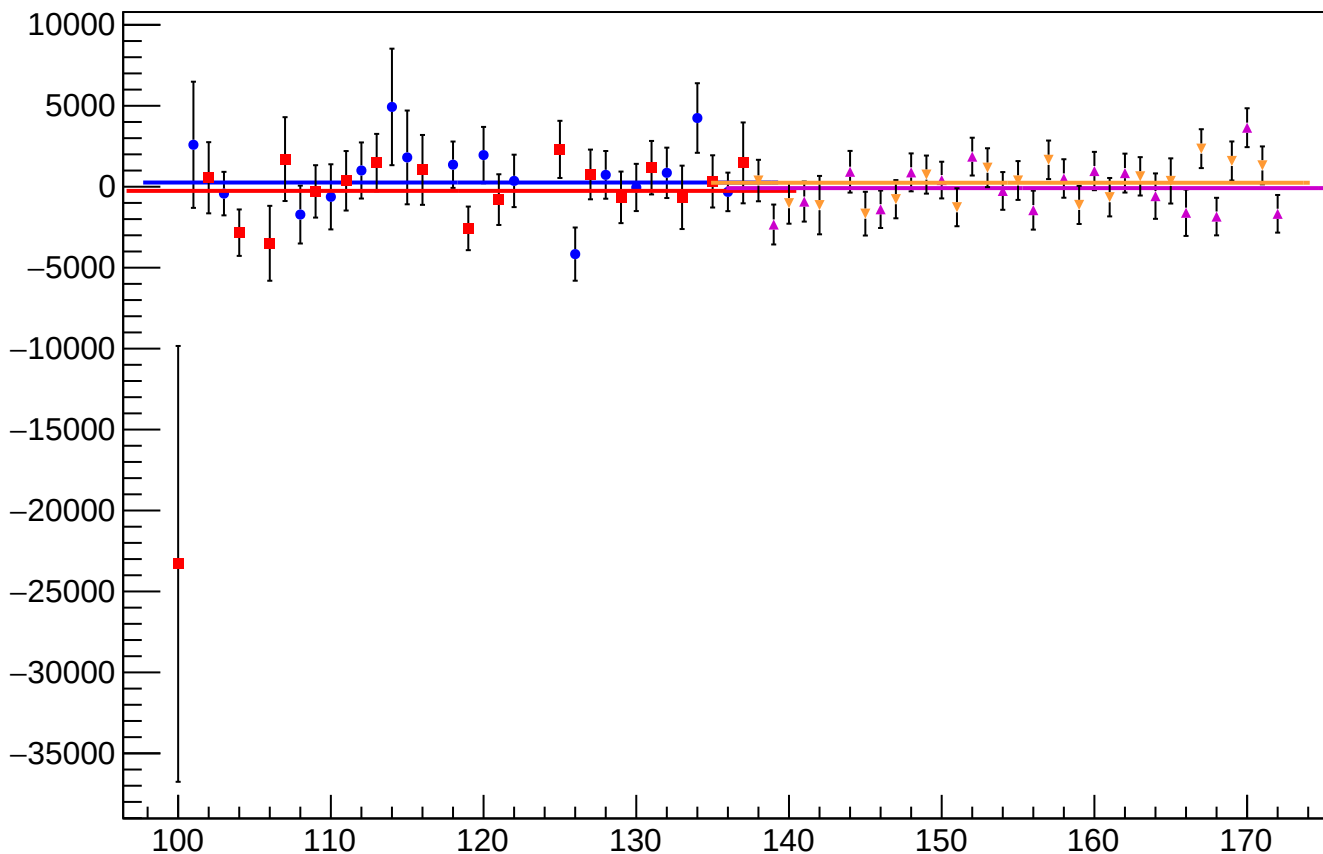
Left In: 0.000+/-0.000 χ^2/NDF : 1539877.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 5459170.4/32

All: 0.000+/-0.000 χ^2/NDF : 11283588.1/67

- sign 0.000+/-0.000 χ^2/NDF : 5785150.8/34

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.797 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: 245.466 $\pm$ 299.896 χ^2 /NDF:15.4/16

Right Out: -255.934 $\pm$ 425.784 χ^2 /NDF: 17.4/17

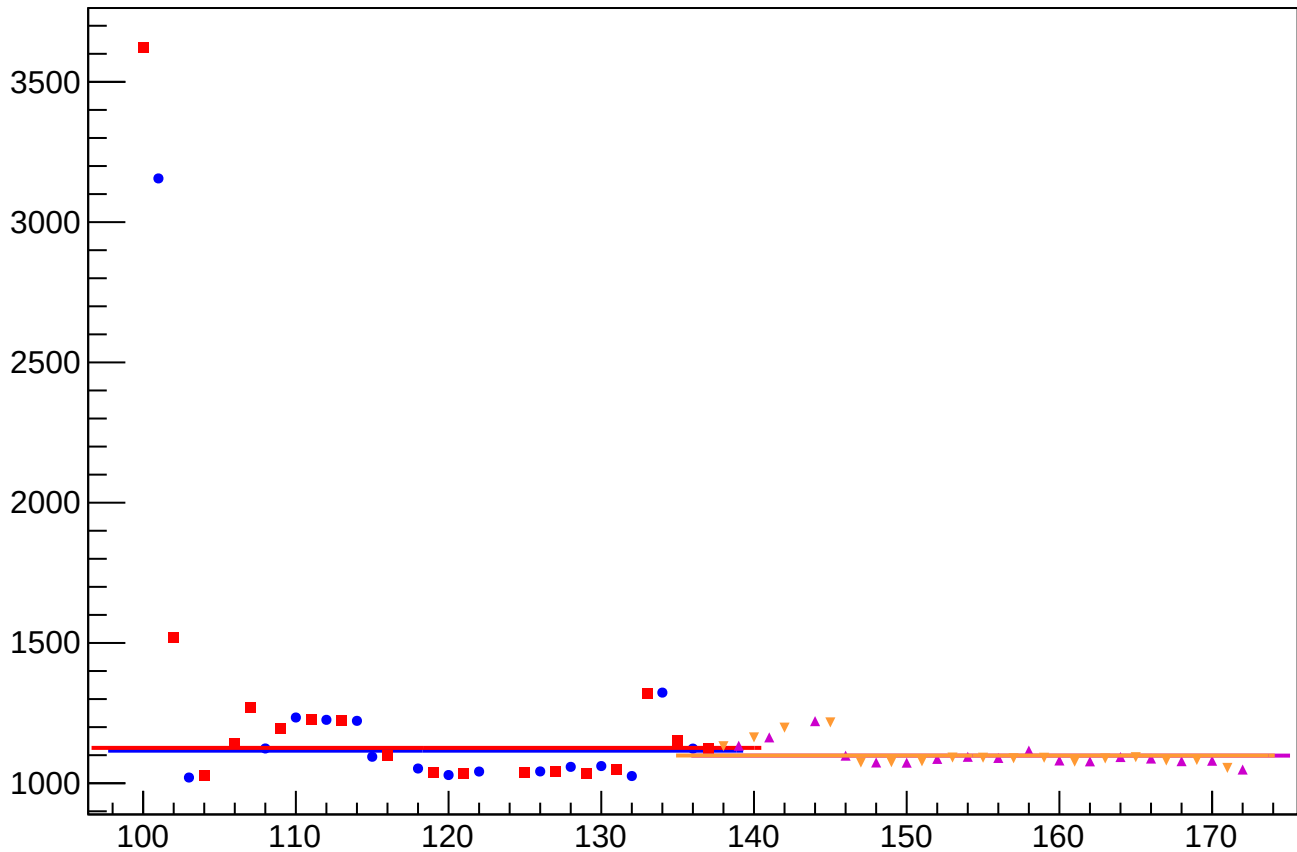
Left In: -85.596 $\pm$ 293.398 χ^2 /NDF:27.3/16

+ sign 250.568 $\pm$ 244.968 χ^2 /NDF: 32.3/32

All: 52.355 $\pm$ 172.013 χ^2 /NDF: 78.5/67

- sign -140.437 $\pm$ 241.595 χ^2 /NDF: 44.8/34

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 ± 0.300 $\chi^2/\text{NDF}: 623390.9/15$

Left Out: 1098.815 ± 0.212 $\chi^2/\text{NDF}: 35082.4/16$

+ sign 1104.563 ± 0.173 $\chi^2/\text{NDF}: 660681.5/32$

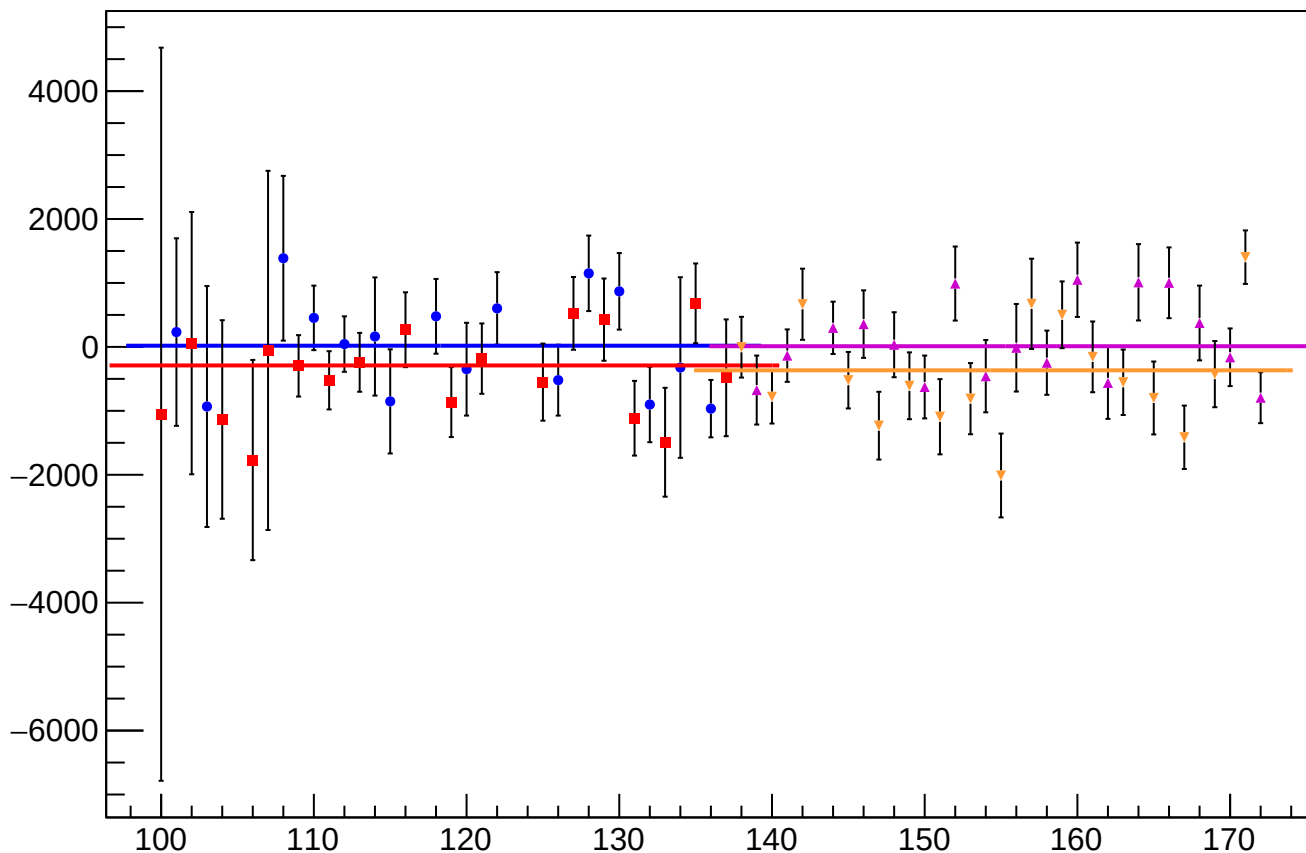
Right Out: 1126.016 ± 0.301 $\chi^2/\text{NDF}: 222106.0/17$

All: 1105.970 ± 0.122 $\chi^2/\text{NDF}: 922415.9/67$

Left In: 1098.470 ± 0.207 $\chi^2/\text{NDF}: 33822.8/16$

- sign 1107.339 ± 0.171 $\chi^2/\text{NDF}: 261604.2/34$

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: 18.468 $\pm$ 161.237 χ^2/NDF : 19.2/15

Left Out: -366.315 $\pm$ 125.478 χ^2/NDF : 44.6/16

Right Out: -289.946 $\pm$ 156.189 χ^2/NDF : 13.5/17

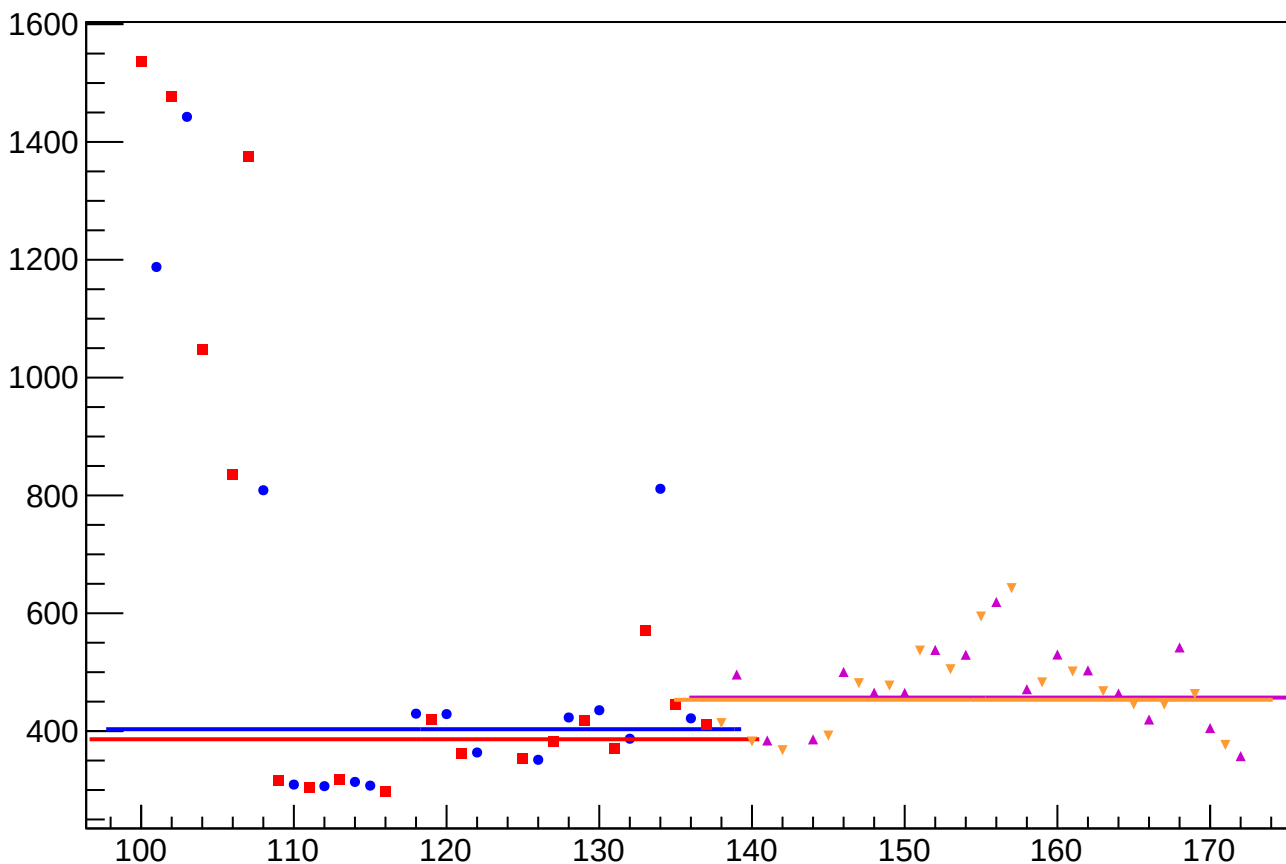
Left In: 10.599 $\pm$ 123.549 χ^2/NDF : 23.0/16

+ sign -221.178 $\pm$ 99.025 χ^2/NDF : 67.3/32

All: -161.867 $\pm$ 69.257 χ^2/NDF : 106.8/67

- sign -105.076 $\pm$ 96.898 χ^2/NDF : 38.8/34

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

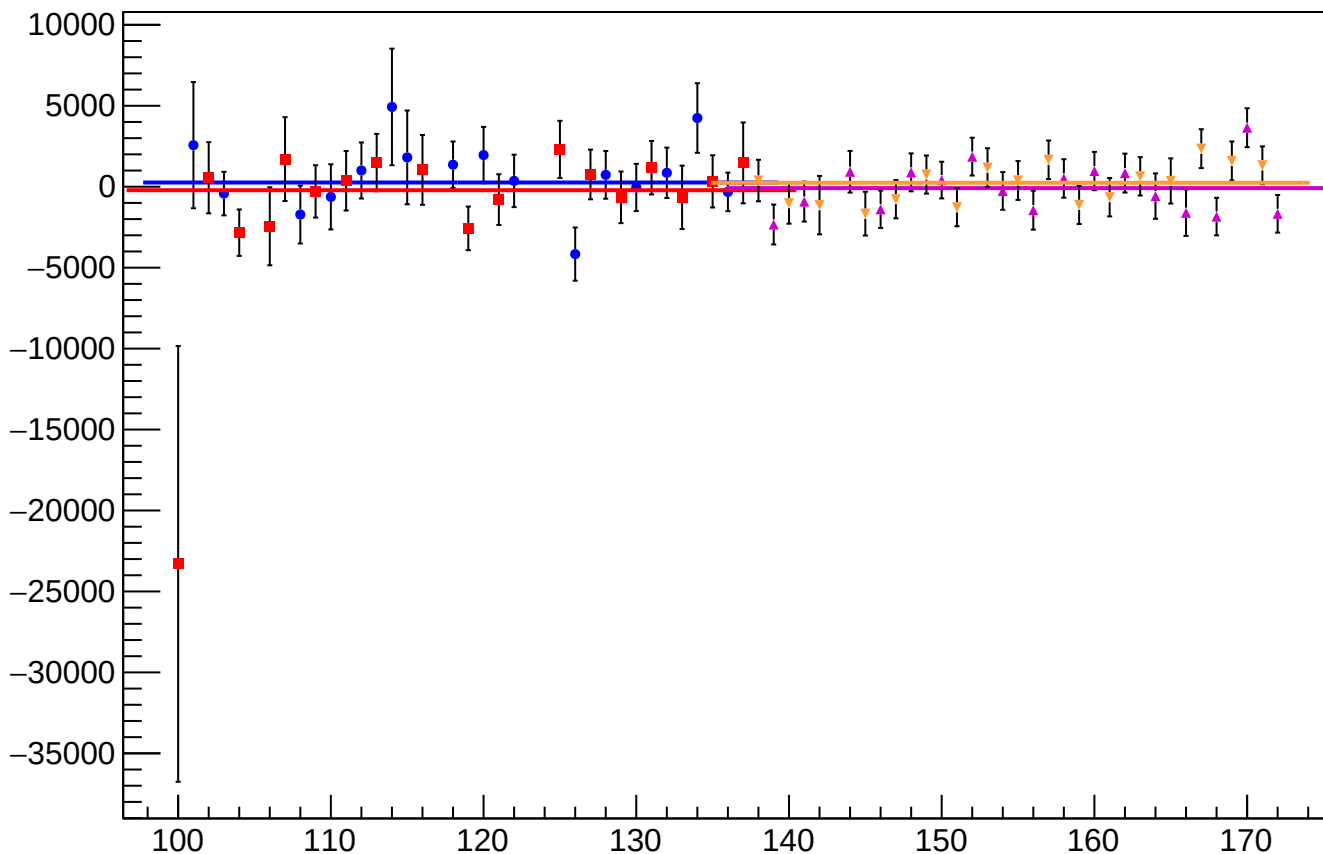
Left In: 456.864+/-0.087 χ^2/NDF : 582103.8/16

+ sign 434.294+/-0.070 χ^2/NDF : 2480090.0/32

All: 431.920+/-0.049 χ^2/NDF : 5075761.3/67

- sign 429.646+/-0.069 χ^2/NDF : 2593419.8/34

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: 245.432 $\pm$ 299.896 χ^2 /NDF: 15.4/16

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

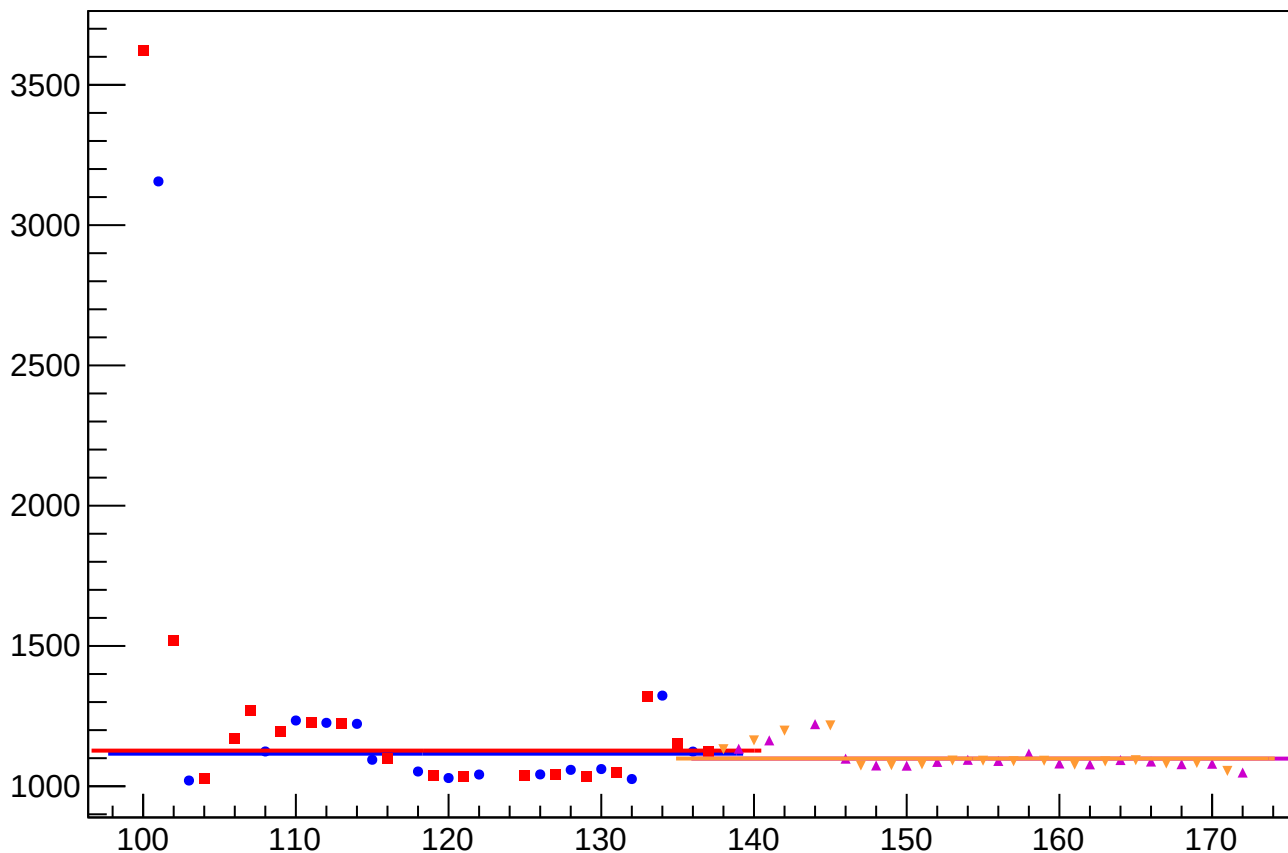
Left In: -85.615 $\pm$ 293.398 χ^2 /NDF: 27.3/16

+ sign 250.418 $\pm$ 244.968 χ^2 /NDF: 32.3/32

All: 59.153 $\pm$ 172.050 χ^2 /NDF: 77.2/67

- sign -127.037 $\pm$ 241.696 χ^2 /NDF: 43.6/34

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

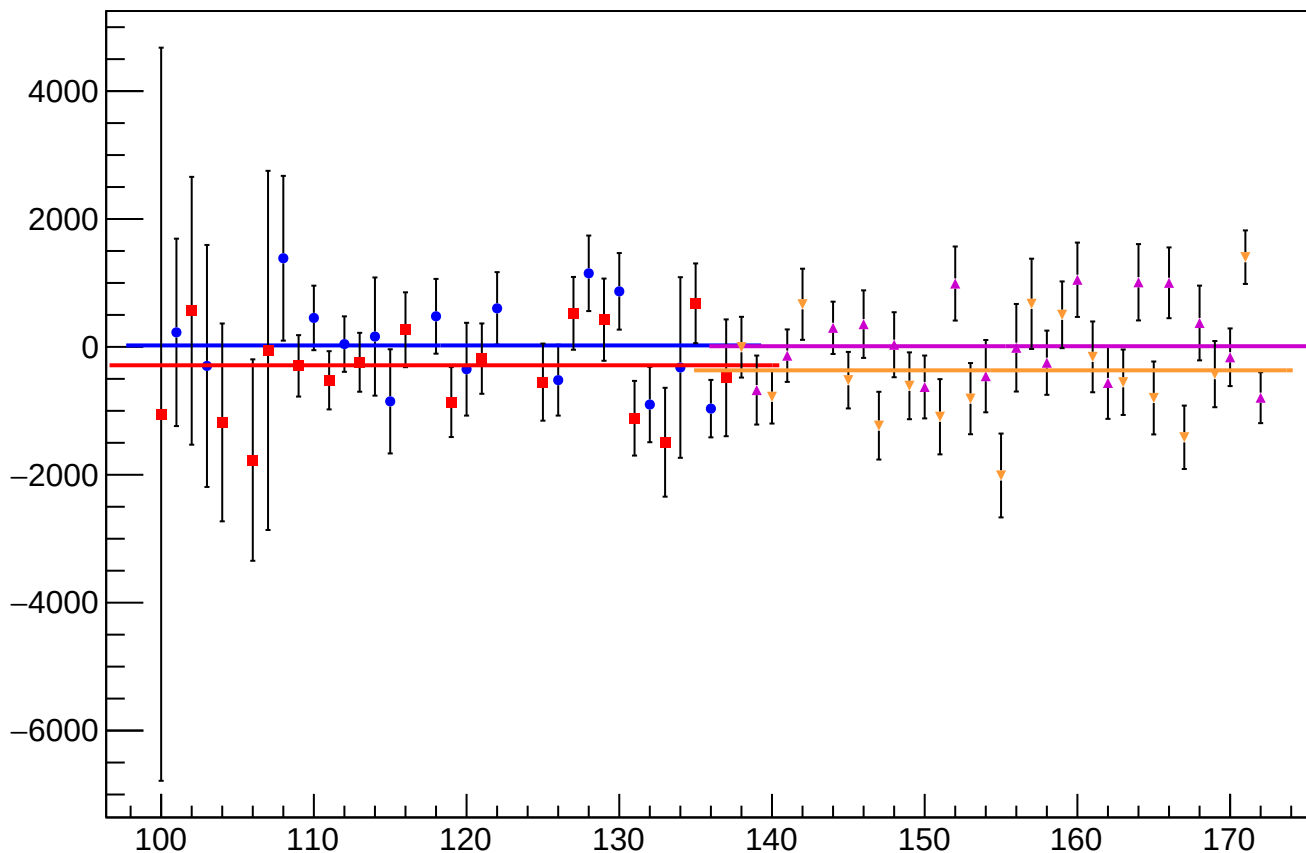
Left In: 1098.470+/-0.207 χ^2/NDF : 33822.8/16

+ sign 1104.563+/-0.173 χ^2/NDF : 660682.4/32

All: 1106.115+/-0.122 χ^2/NDF : 923464.6/67

- sign 1107.627+/-0.171 χ^2/NDF : 262623.6/34

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: 22.923 $\pm$ 161.238 χ^2/NDF : 19.0/15

Left Out: -366.379 $\pm$ 125.478 χ^2/NDF : 44.6/16

Right Out: -287.614 $\pm$ 156.212 χ^2/NDF : 13.7/17

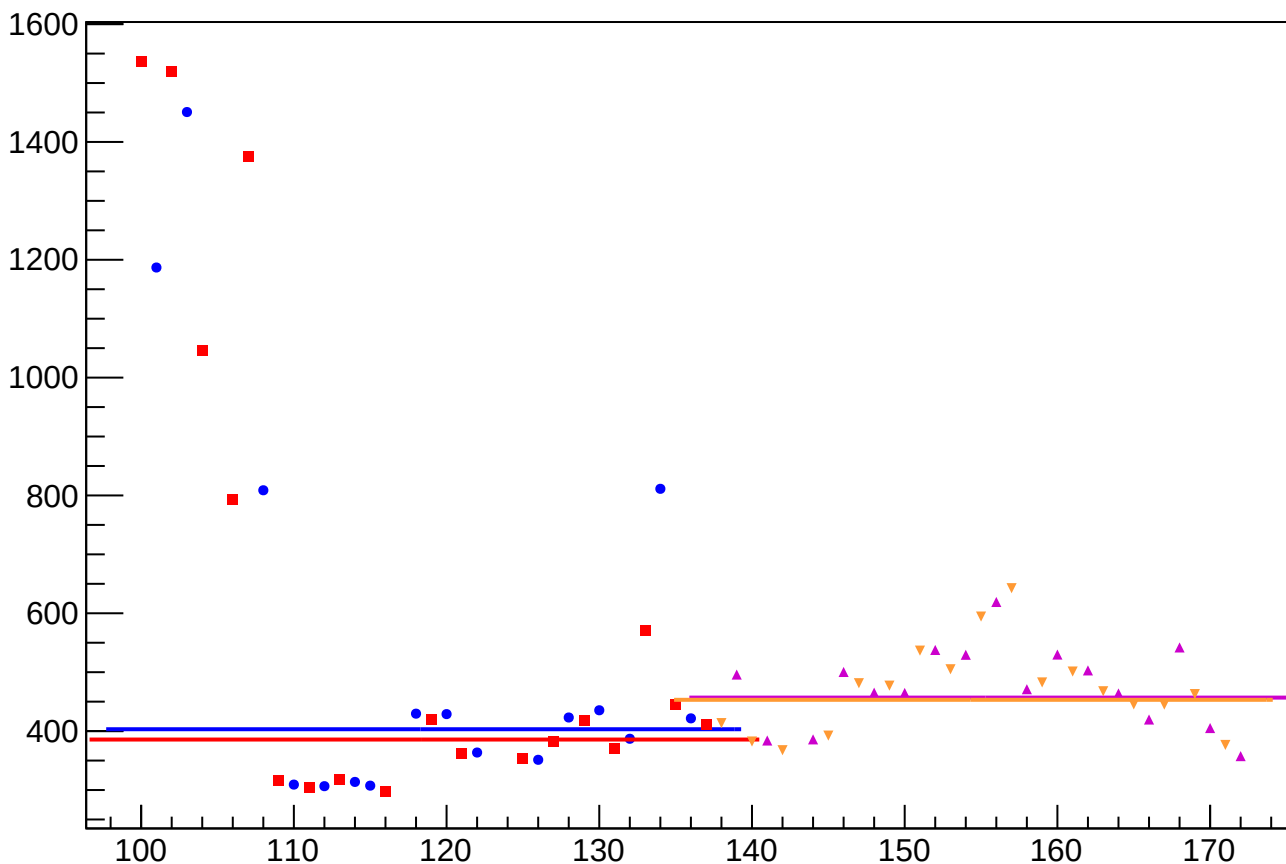
Left In: 10.576 $\pm$ 123.549 χ^2/NDF : 23.0/16

+ sign -219.539 $\pm$ 99.025 χ^2/NDF : 67.2/32

All: -160.607 $\pm$ 69.259 χ^2/NDF : 106.8/67

- sign -104.172 $\pm$ 96.904 χ^2/NDF : 38.9/34

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

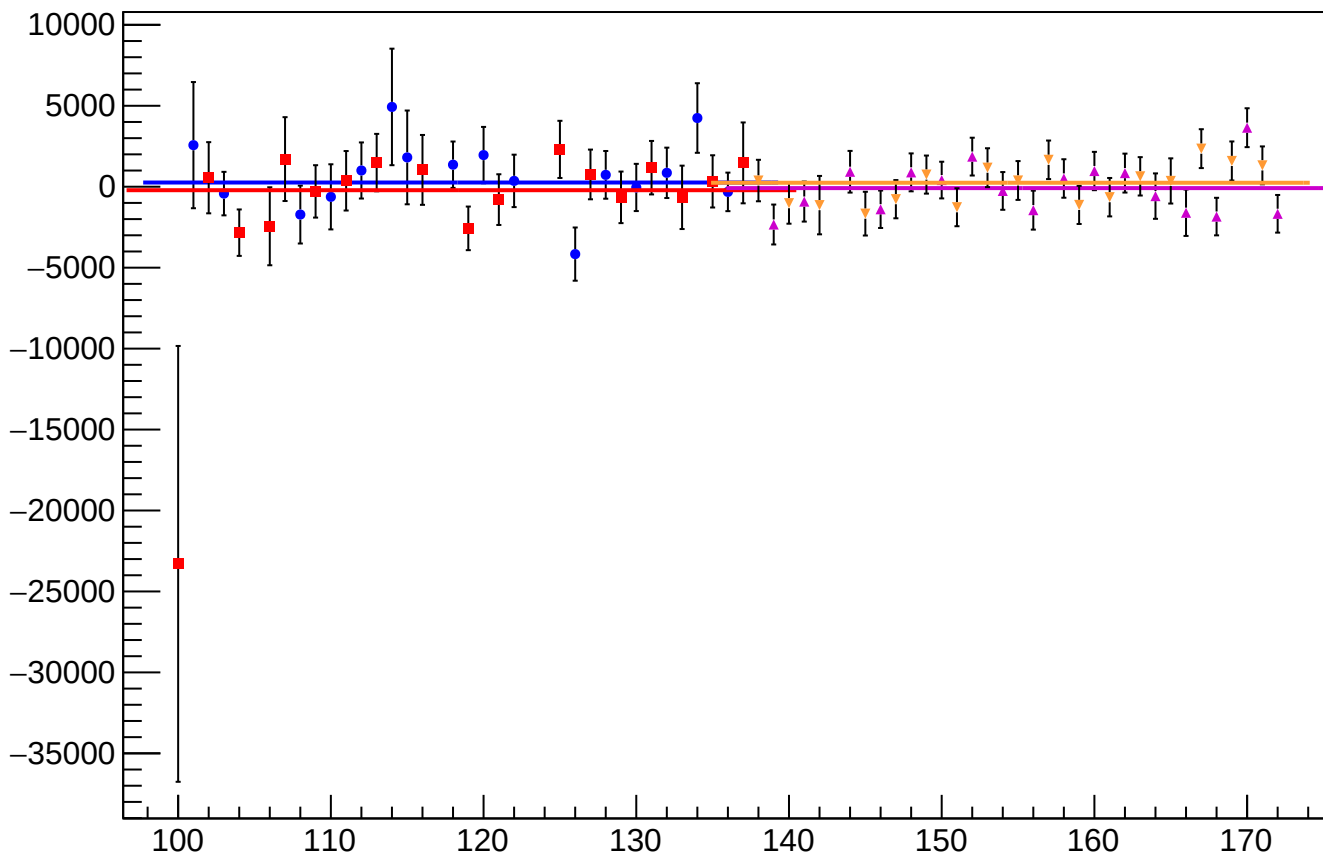
Left In: 456.865+/-0.087 χ^2/NDF : 582009.8/16

+ sign 434.289+/-0.070 χ^2/NDF : 2483838.3/32

All: 431.829+/-0.049 χ^2/NDF : 5070902.2/67

- sign 429.473+/-0.069 χ^2/NDF : 2584647.1/34

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 260.415 $\pm$ 424.657 χ^2 /NDF: 16.9/15

Left Out: 245.432 $\pm$ 299.896 χ^2 /NDF: 15.4/16

Right Out: -214.501 $\pm$ 426.342 χ^2 /NDF: 16.2/17

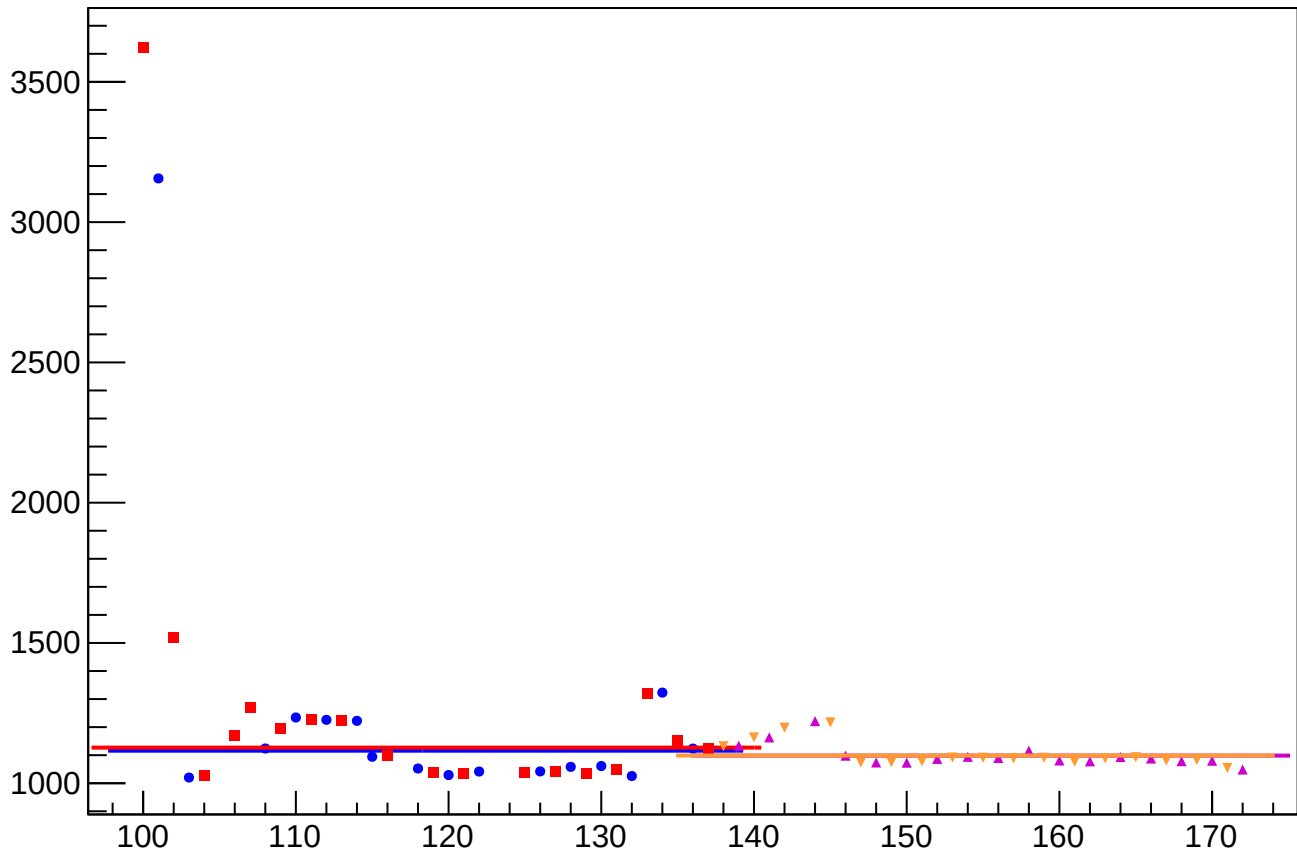
Left In: -85.615 $\pm$ 293.398 χ^2 /NDF: 27.3/16

+ sign 250.418 $\pm$ 244.968 χ^2 /NDF: 32.3/32

All: 59.153 $\pm$ 172.050 χ^2 /NDF: 77.2/67

- sign -127.037 $\pm$ 241.696 χ^2 /NDF: 43.6/34

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.089 $\pm$ 0.300 χ^2 /NDF: 623391.9/15

Left Out: 1098.815 $\pm$ 0.212 χ^2 /NDF: 35082.4/16

Right Out: 1126.960 $\pm$ 0.301 χ^2 /NDF: 222740.2/17

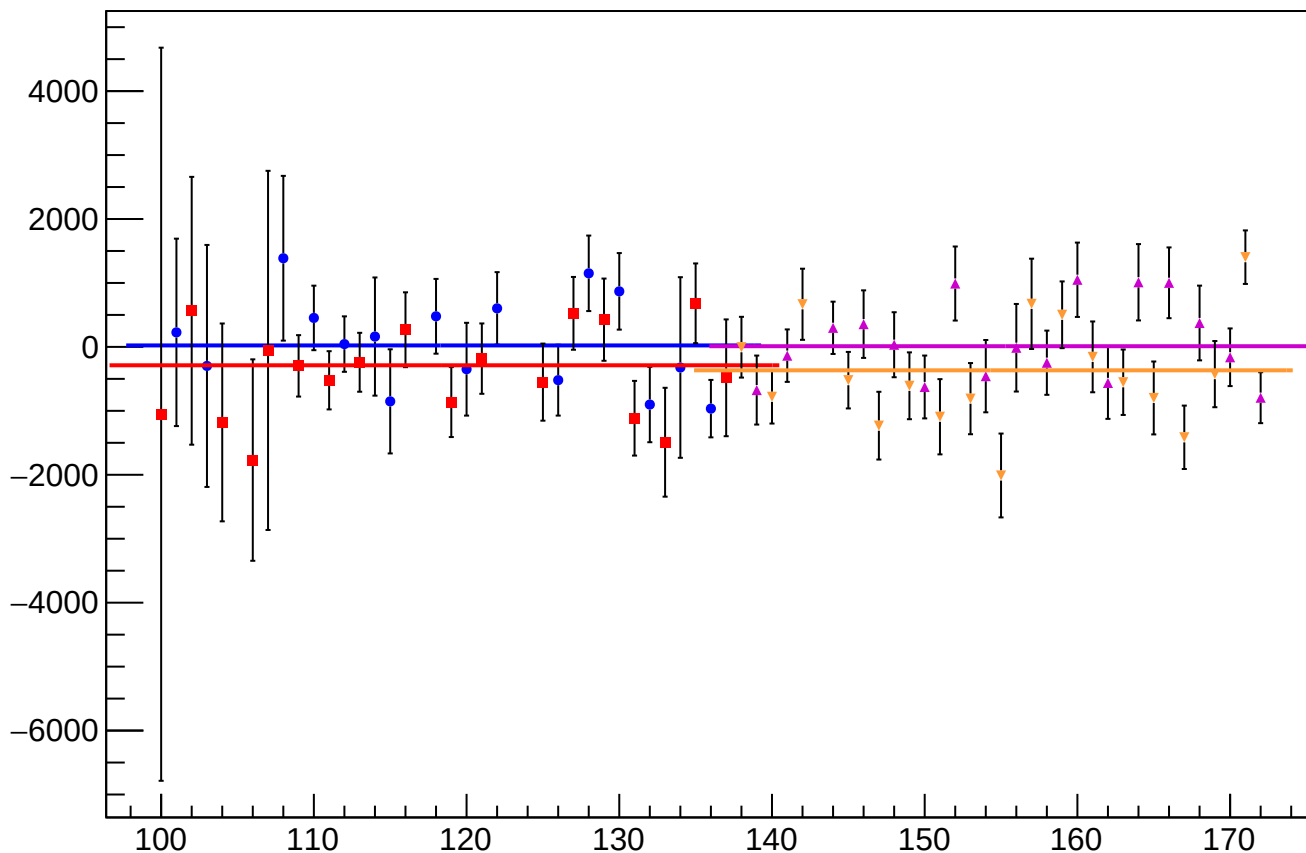
Left In: 1098.470 $\pm$ 0.207 χ^2 /NDF: 33822.8/16

+ sign 1104.563 $\pm$ 0.173 χ^2 /NDF: 660682.4/32

All: 1106.115 $\pm$ 0.122 χ^2 /NDF: 923464.6/67

- sign 1107.627 $\pm$ 0.171 χ^2 /NDF: 262623.6/34

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 22.923 $\pm$ 161.238 χ^2/NDF : 19.0/15

Left Out: -366.379 $\pm$ 125.478 χ^2/NDF : 44.6/16

Right Out: -287.614 $\pm$ 156.212 χ^2/NDF : 13.7/17

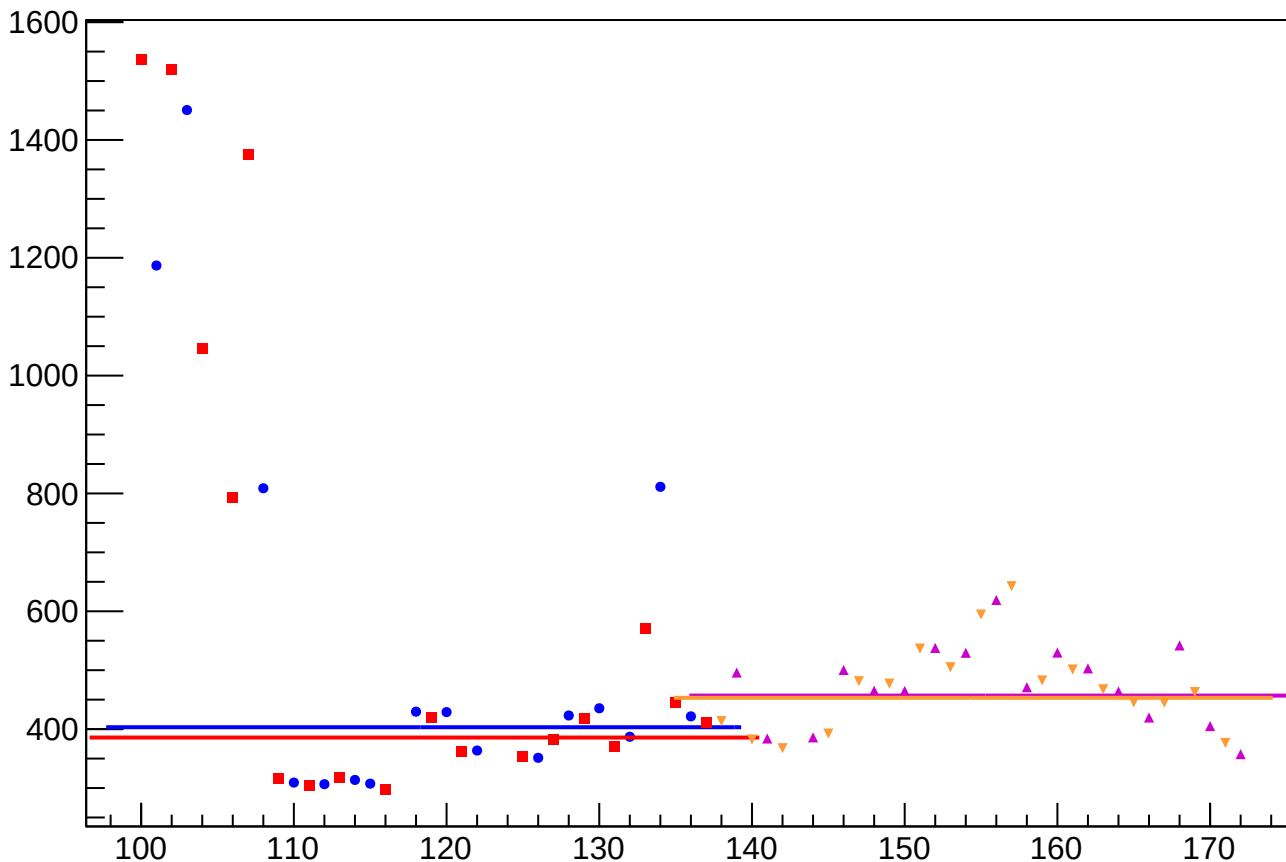
Left In: 10.576 $\pm$ 123.549 χ^2/NDF : 23.0/16

+ sign -219.539 $\pm$ 99.025 χ^2/NDF : 67.2/32

All: -160.607 $\pm$ 69.259 χ^2/NDF : 106.8/67

- sign -104.172 $\pm$ 96.904 χ^2/NDF : 38.9/34

asym_us_dd_atlr_dd_dd_eigen_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

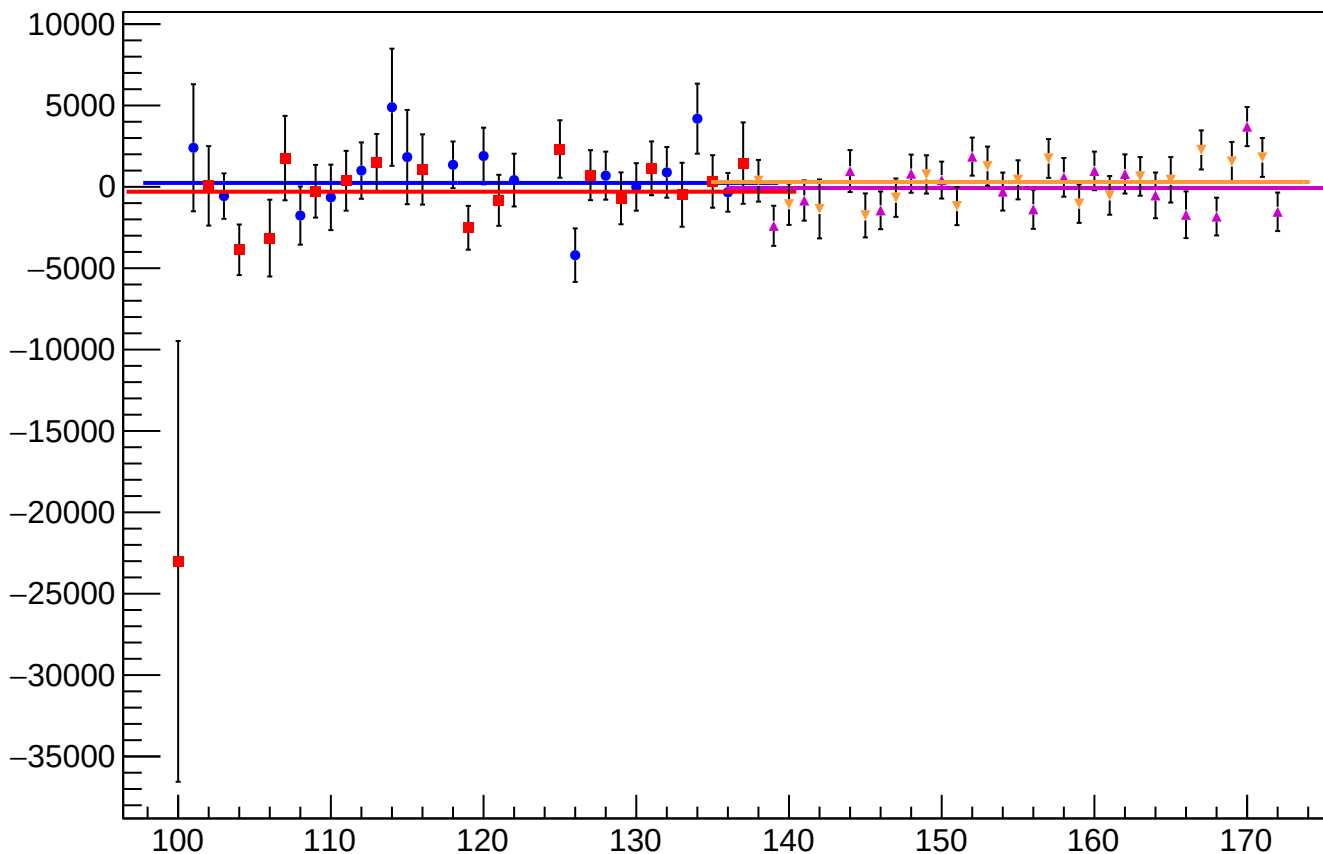
Left In: 456.865+/-0.087 χ^2/NDF : 582009.8/16

+ sign 434.289+/-0.070 χ^2/NDF : 2483838.3/32

All: 431.829+/-0.049 χ^2/NDF : 5070902.2/67

- sign 429.473+/-0.069 χ^2/NDF : 2584647.1/34

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

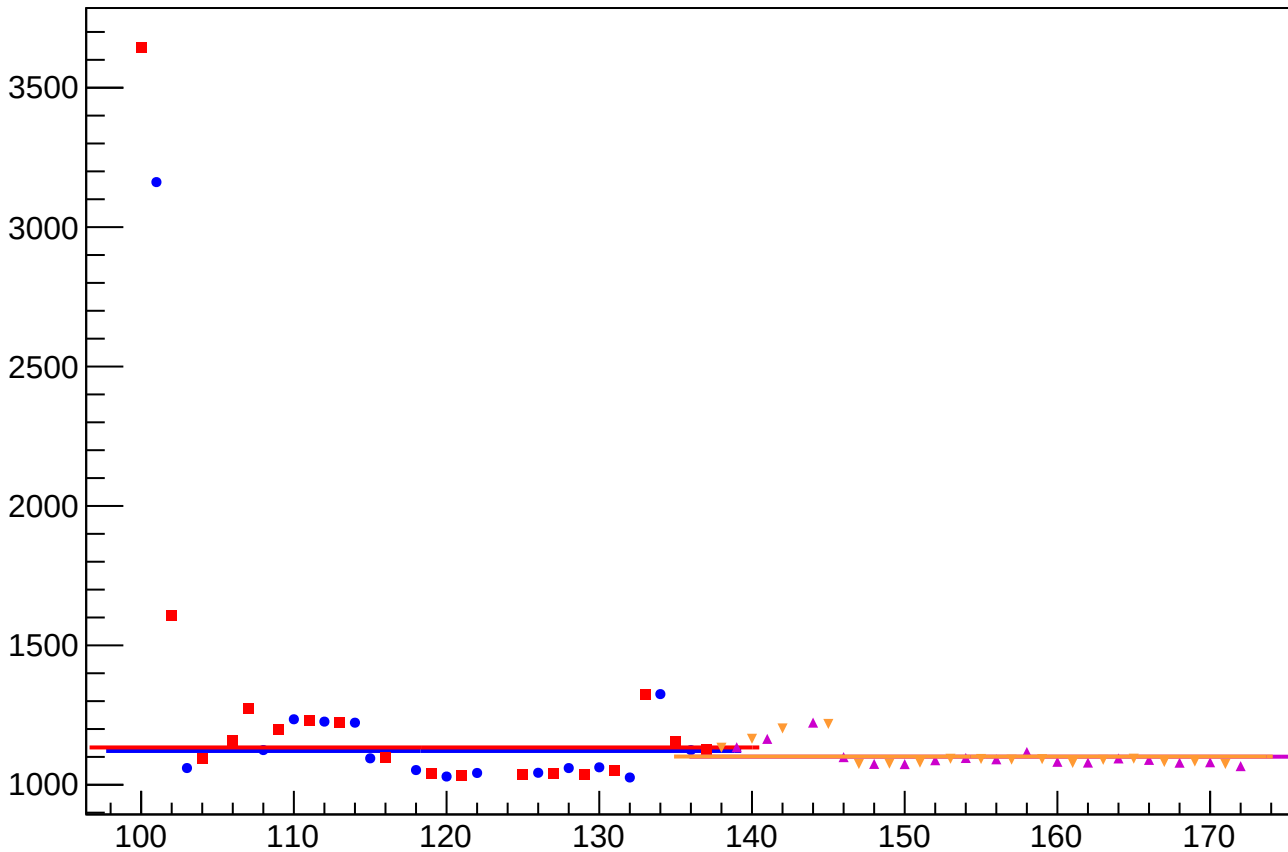
Left In: -71.940 ± 294.005 χ^2/NDF : 27.4/16

+ sign 278.506 ± 245.702 χ^2/NDF : 33.0/32

All: 64.738 ± 172.715 χ^2/NDF : 80.8/67

- sign -144.072 ± 242.836 χ^2/NDF : 46.2/34

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

+ sign 1107.924+/-0.174 χ^2/NDF : 653513.0/32

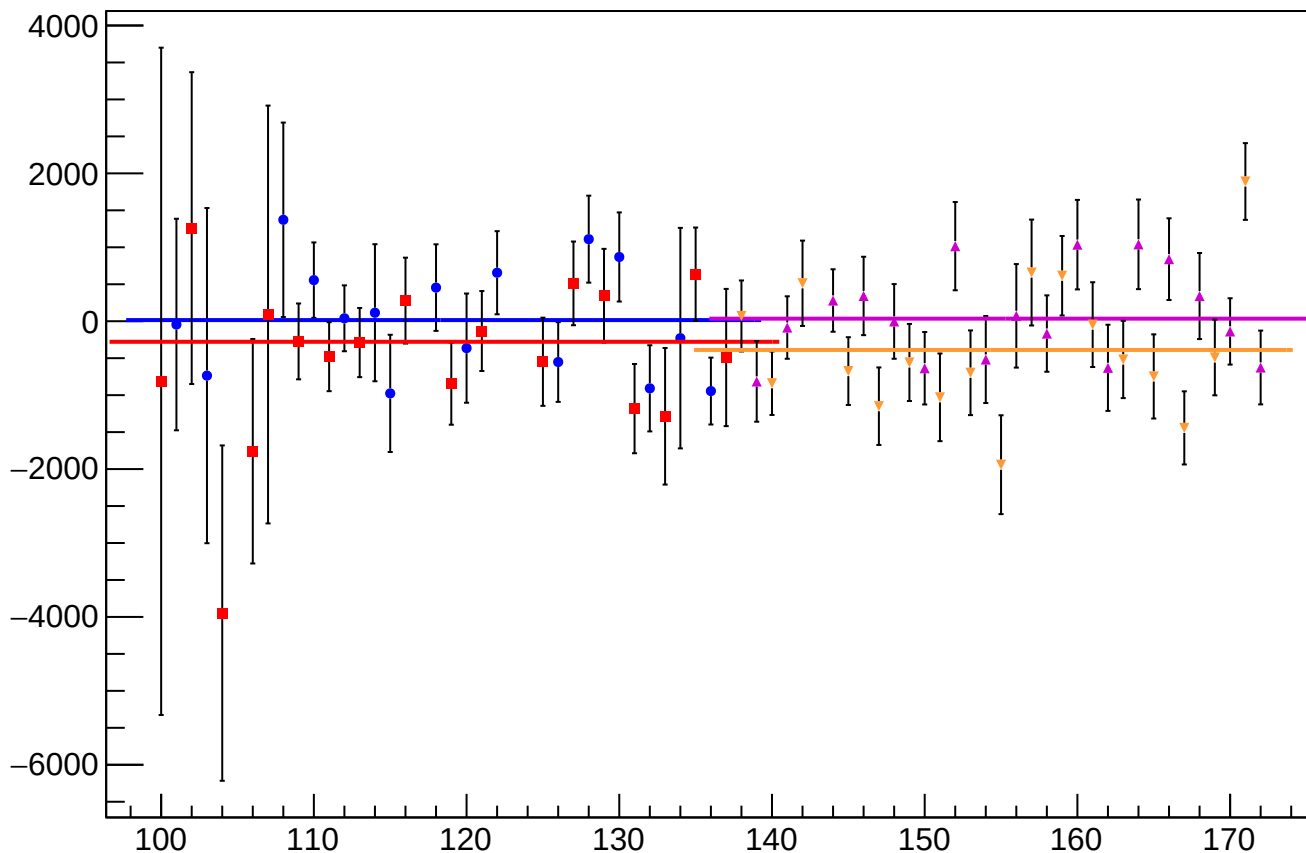
Right Out: 1133.929+/-0.305 χ^2/NDF : 227457.1/17

All: 1109.638+/-0.122 χ^2/NDF : 921042.1/67

- sign 1111.312 $\pm$ 0.172 χ^2 /NDF: 267336.7/34

Left In: 1100.777+/-0.208 χ^2/NDF :31798.2/16

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



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

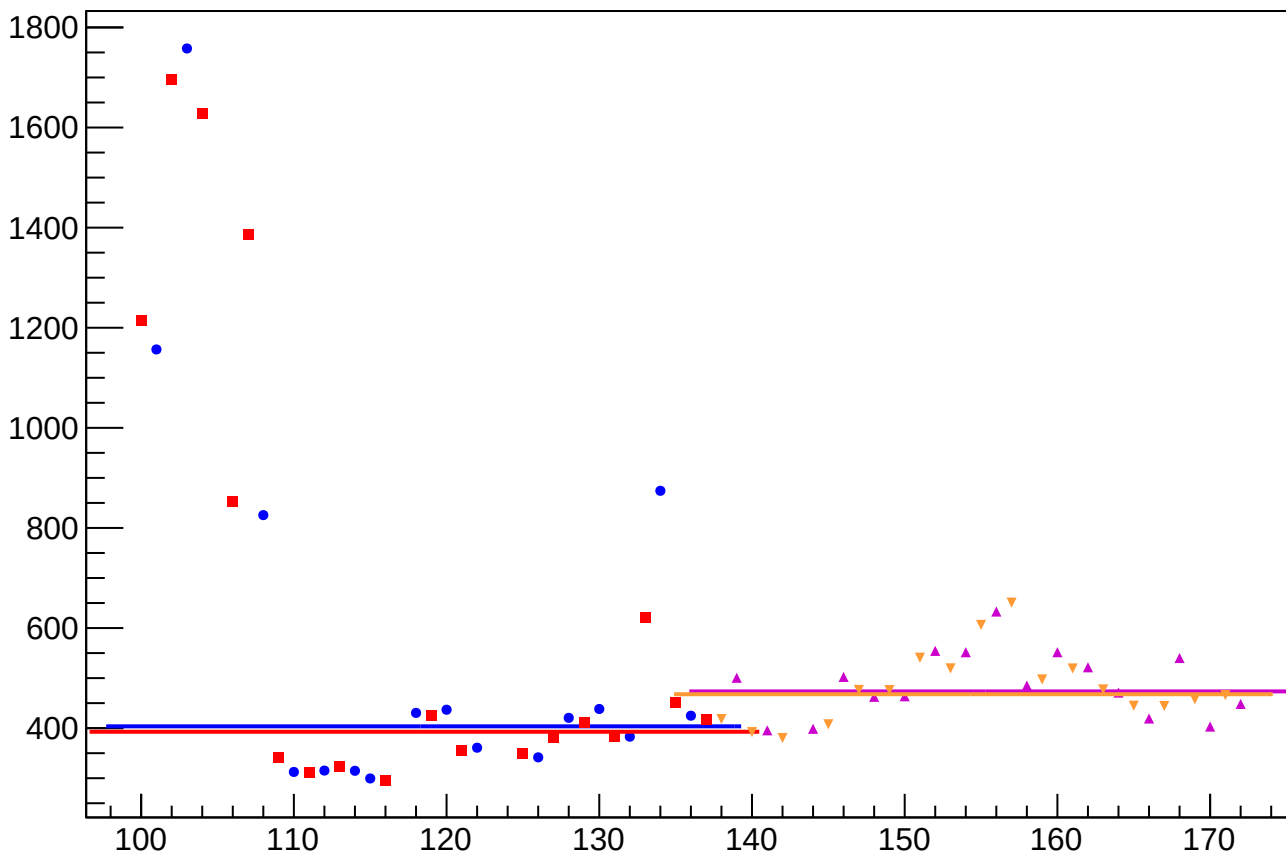
Left In: 34.822+/-127.731 χ^2/NDF : 19.9/16

+ sign -231.179+/-101.026 χ^2/NDF : 67.6/32

All: -158.595+/-70.904 χ^2/NDF : 106.0/67

- sign -88.136+/-99.536 χ^2/NDF : 37.3/34

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

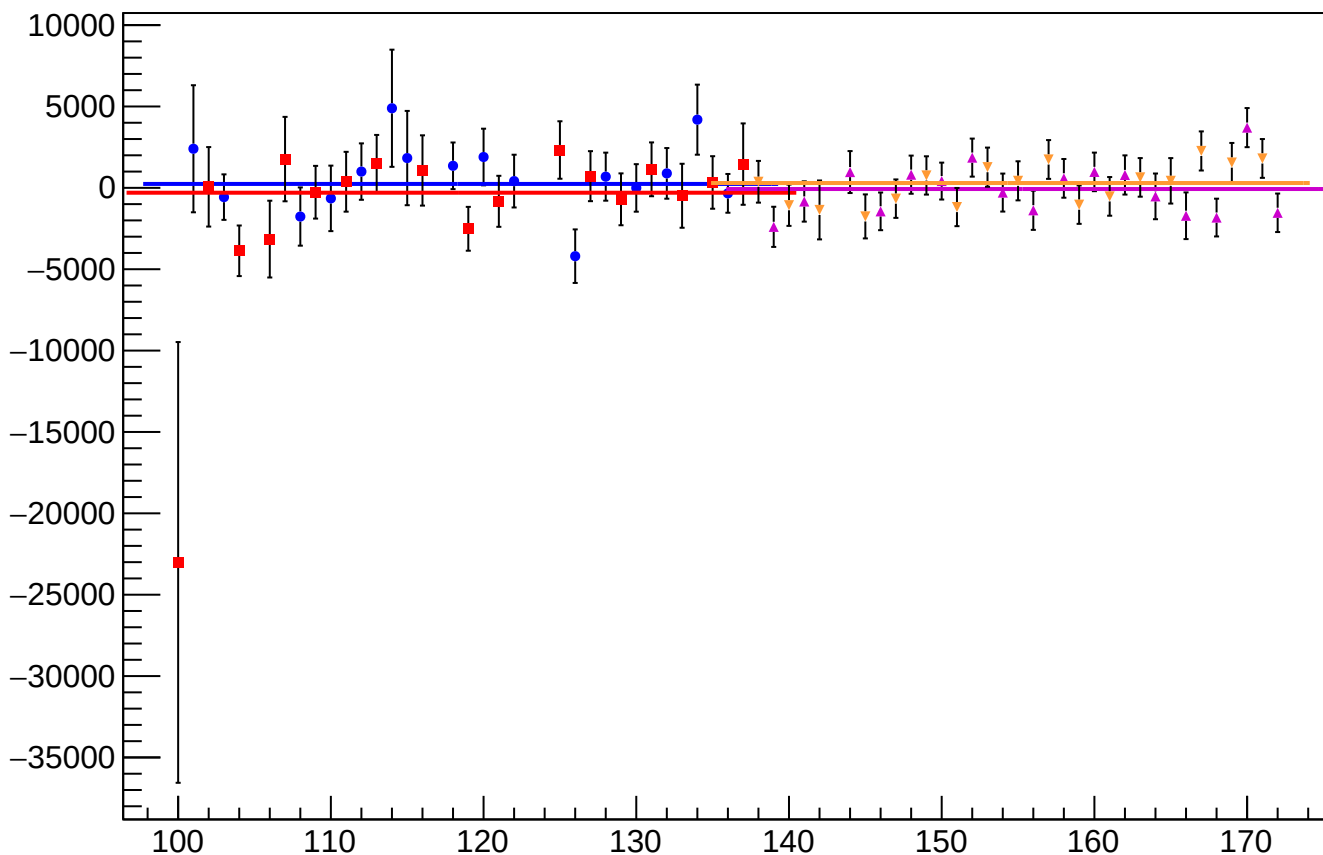
Left In: 473.438+/-0.090 χ^2/NDF : 466593.0/16

+ sign 442.814+/-0.071 χ^2/NDF : 2580877.9/32

All: 442.287+/-0.050 χ^2/NDF : 5563938.1/67

- sign 441.776+/-0.070 χ^2/NDF : 2982953.0/34

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

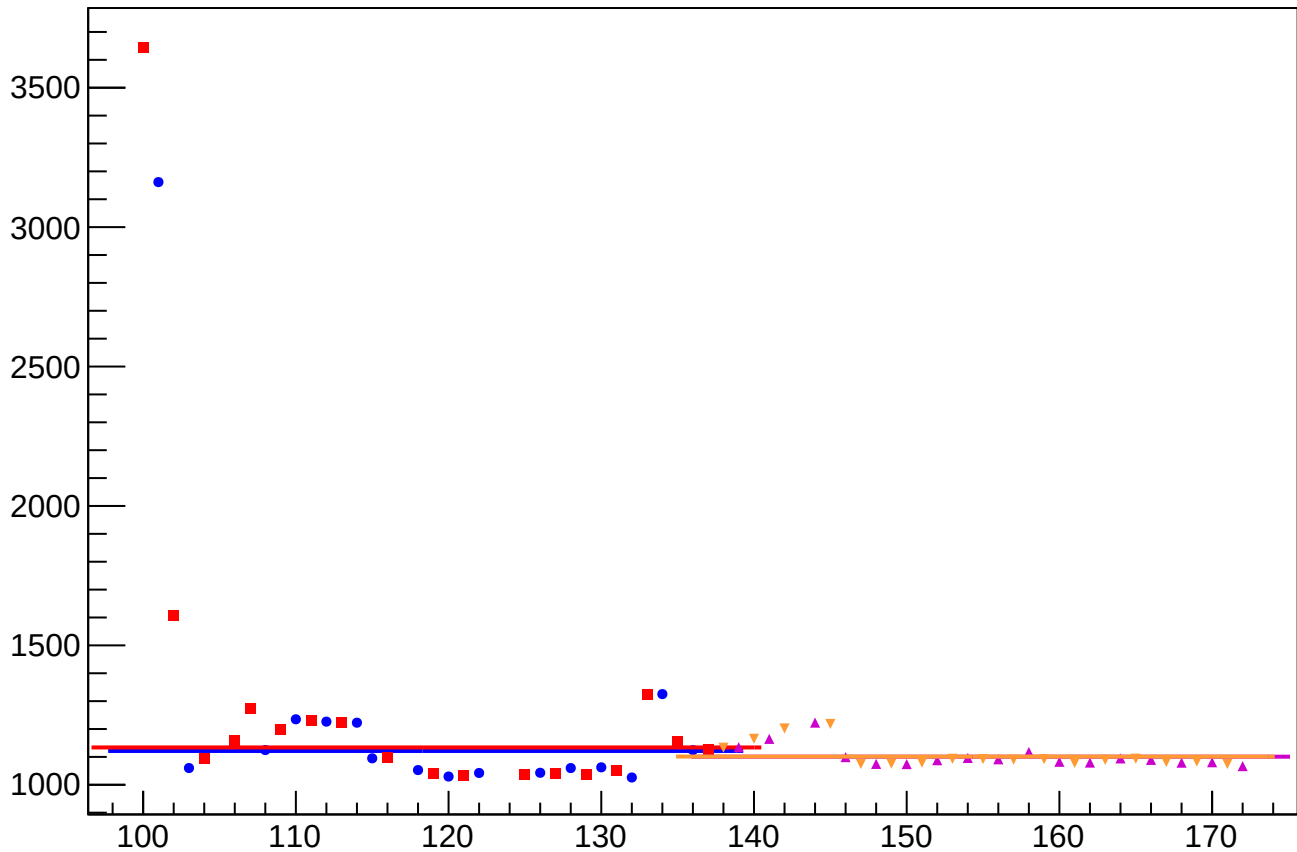
Left In: -71.941 ± 294.005 χ^2/NDF : 27.4/16

+ sign 278.504 ± 245.702 χ^2/NDF : 33.0/32

All: 64.736 ± 172.715 χ^2/NDF : 80.8/67

- sign -144.074 ± 242.836 χ^2/NDF : 46.2/34

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.294 $\pm$ 0.302 χ^2 /NDF: 617028.4/15

Left Out: 1101.288 $\pm$ 0.213 χ^2 /NDF: 33545.2/16

+ sign 1107.924 $\pm$ 0.174 χ^2 /NDF: 653513.2/32

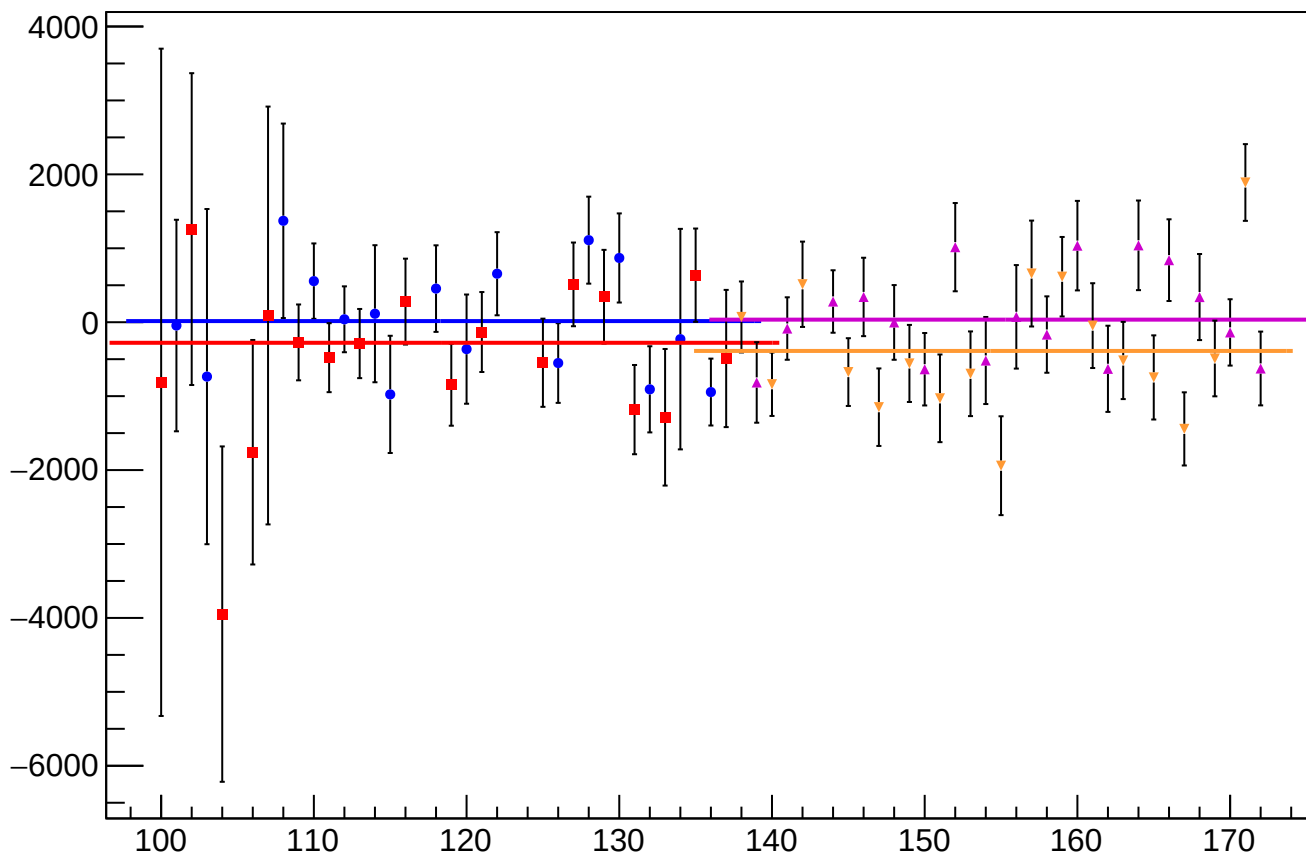
Right Out: 1133.929 $\pm$ 0.305 χ^2 /NDF: 227457.1/17

All: 1109.638 $\pm$ 0.122 χ^2 /NDF: 921042.6/67

Left In: 1100.777 $\pm$ 0.208 χ^2 /NDF: 31798.4/16

- sign 1111.312 $\pm$ 0.172 χ^2 /NDF: 267337.0/34

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



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

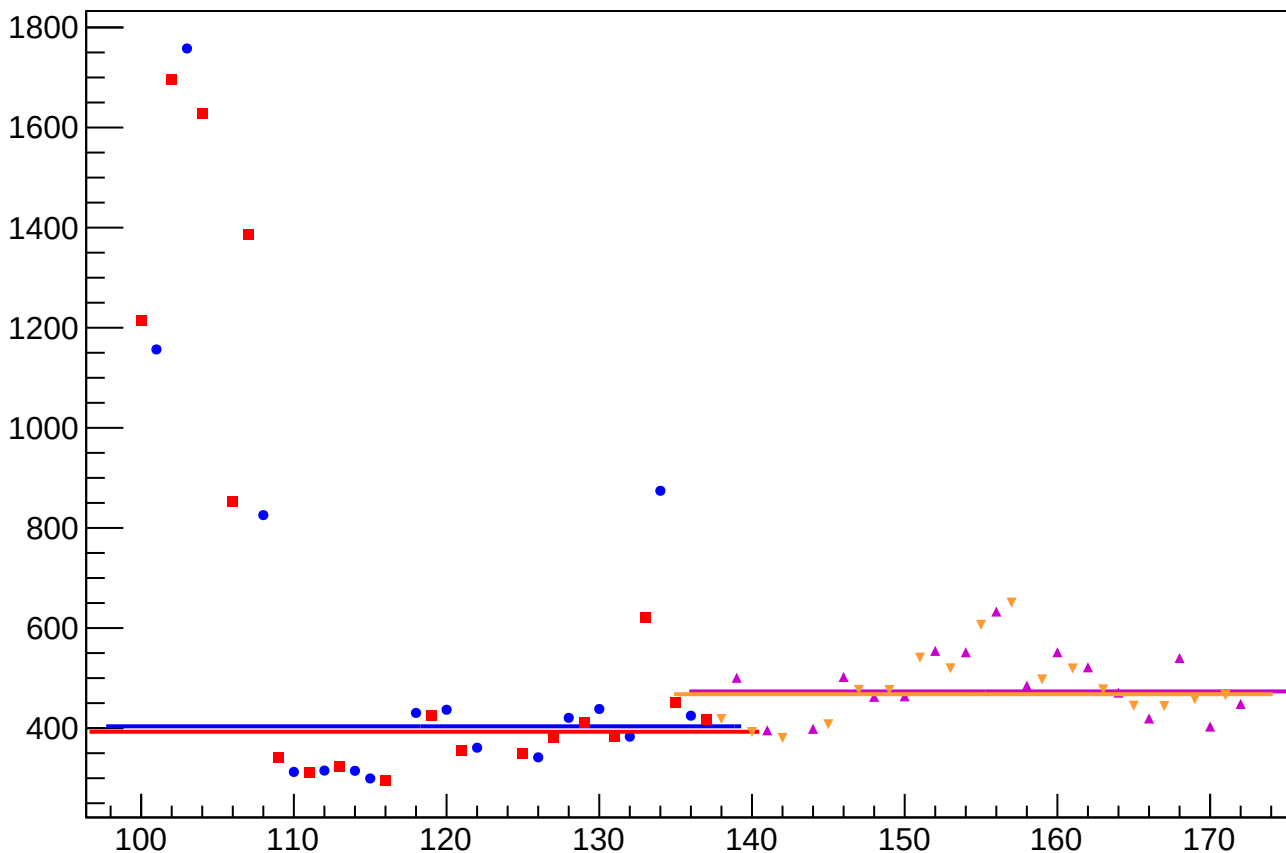
Left In: 34.821+/-127.731 χ^2/NDF : 19.9/16

+ sign -231.180+/-101.026 χ^2/NDF : 67.6/32

All: -158.596+/-70.903 χ^2/NDF : 106.0/67

- sign -88.137+/-99.536 χ^2/NDF : 37.3/34

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



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

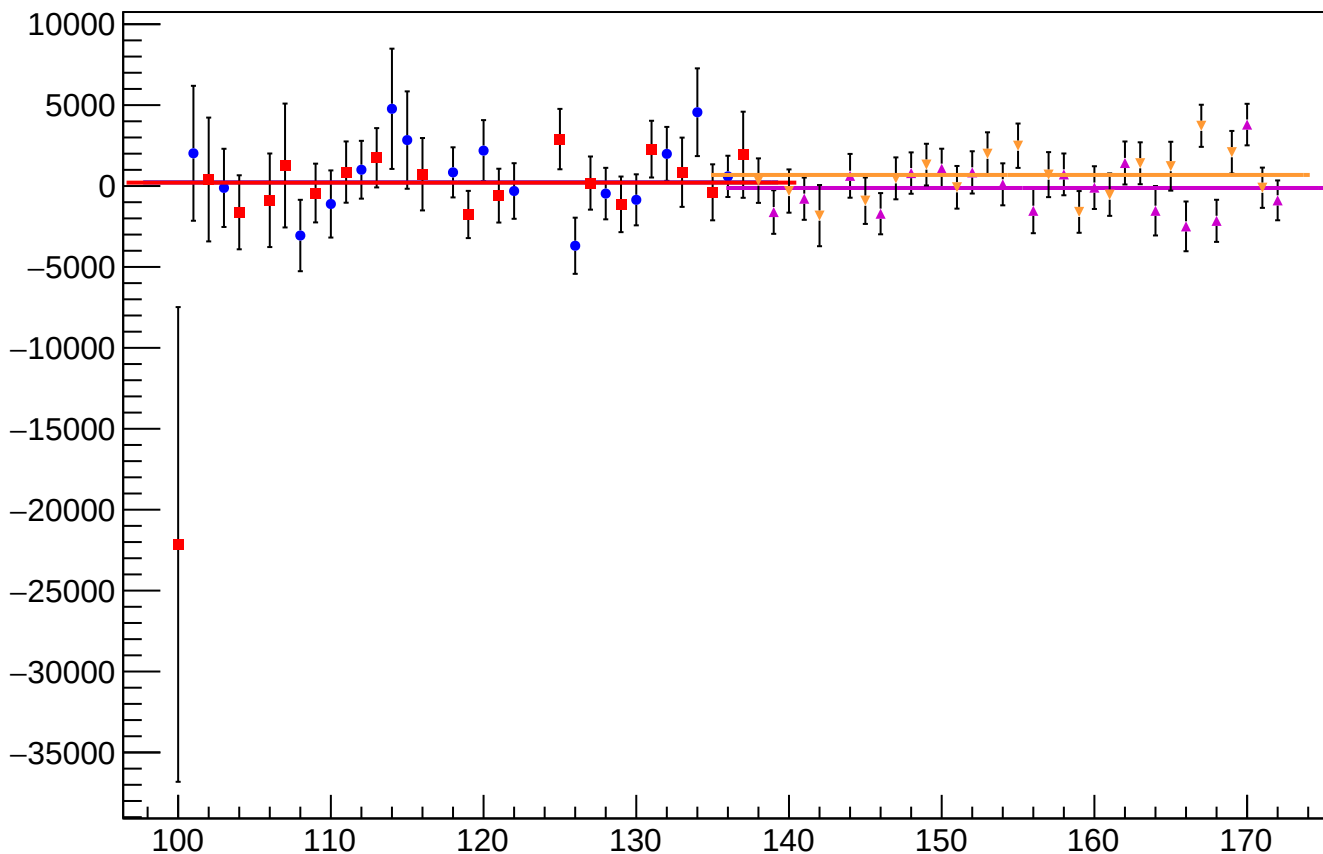
Left In: 473.439+/-0.090 χ^2/NDF : 466603.6/16

+ sign 442.813+/-0.071 χ^2/NDF : 2580917.0/32

All: 442.286+/-0.050 χ^2/NDF : 5564026.5/67

- sign 441.775+/-0.070 χ^2/NDF : 2983002.4/34

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 224.817 $\pm$ 474.559 χ^2 /NDF: 16.1/15

Left Out: 685.271 $\pm$ 328.234 χ^2 /NDF:18.4/16

Right Out: 209.751 $\pm$ 477.820 χ^2 /NDF: 11.0/17

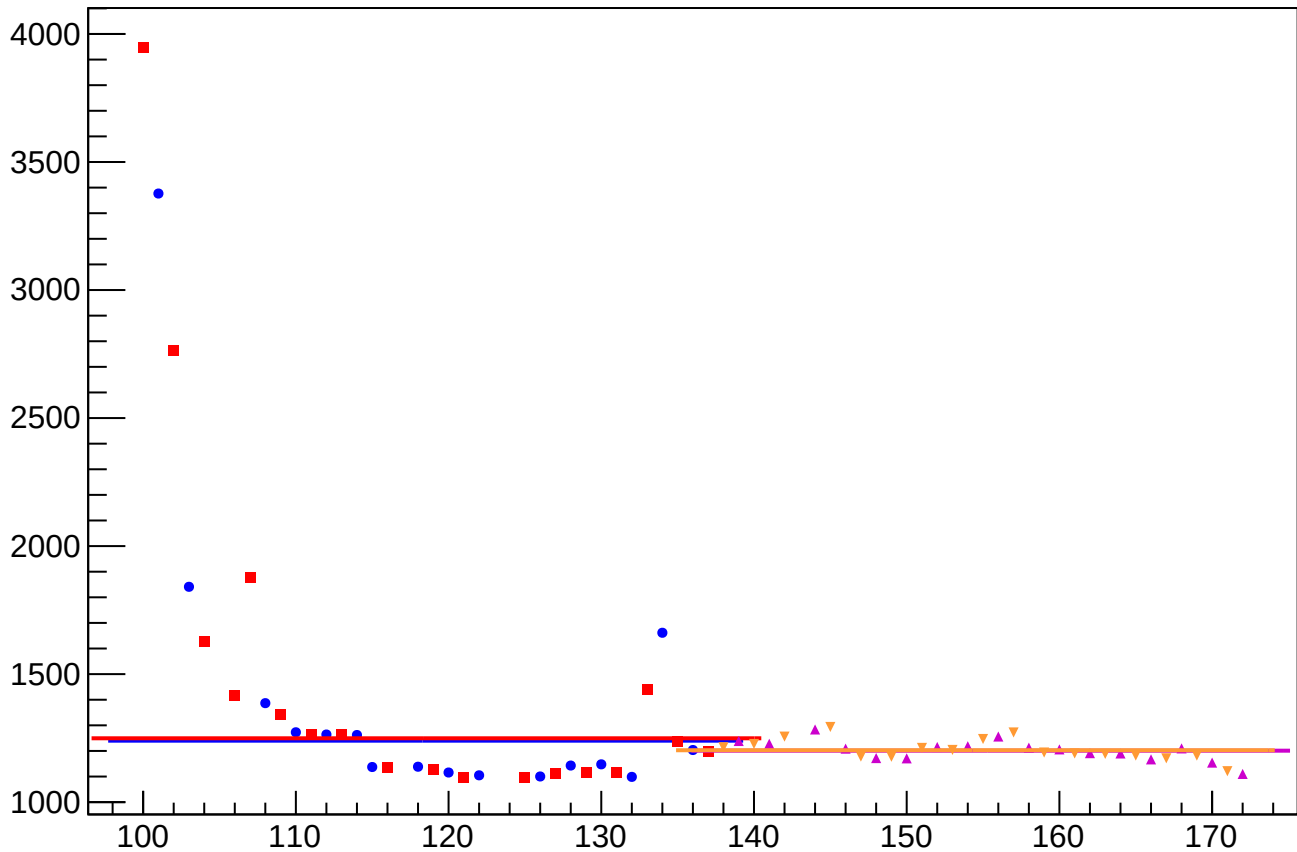
Left In: -121.315 $\pm$ 320.786 χ^2 /NDF:23.5/16

+ sign 536.272 $\pm$ 269.953 χ^2 /NDF: 35.1/32

All: 255.162 $\pm$ 189.593 χ^2 /NDF: 72.1/67

- sign -18.458 $\pm$ 266.332 χ^2 /NDF: 34.8/34

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

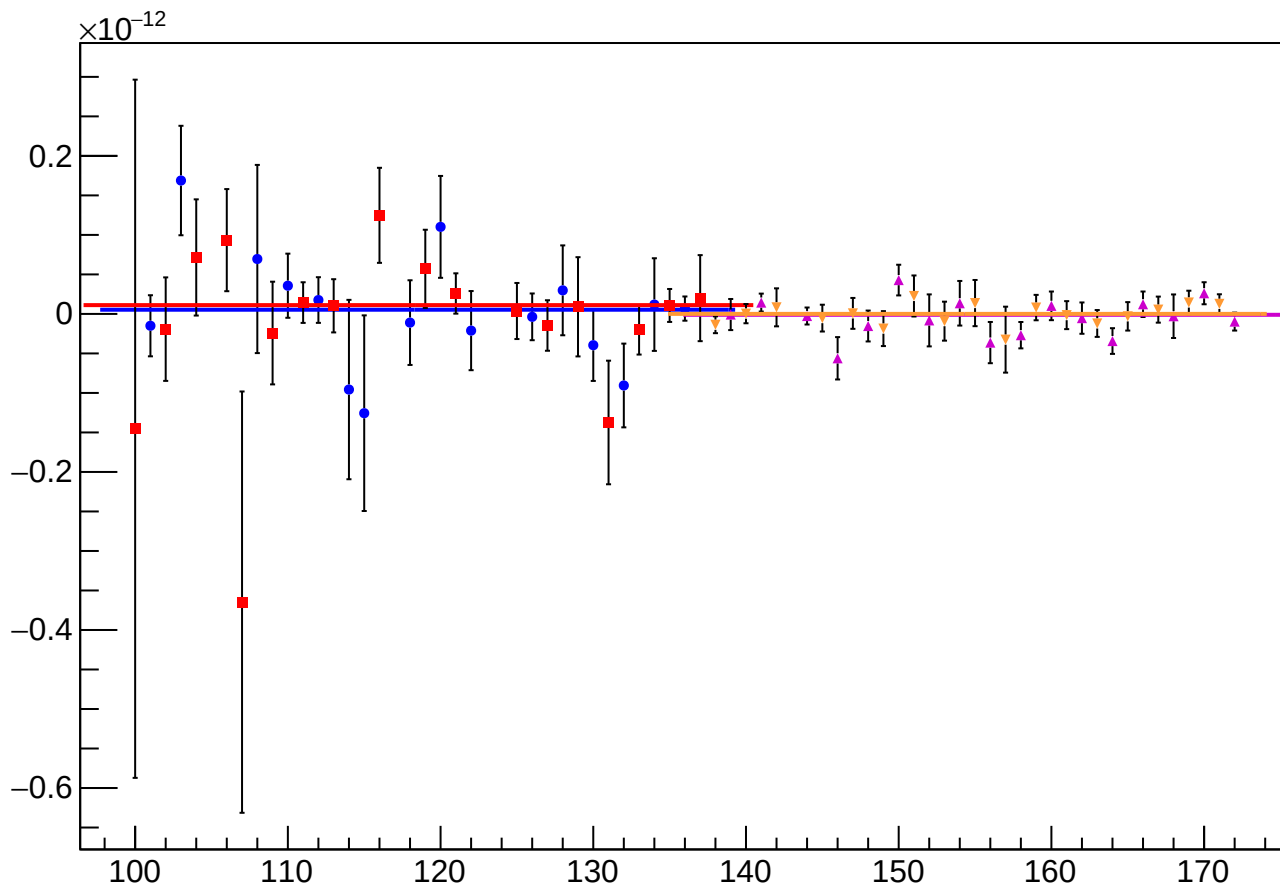
Left In: 1201.011+/-0.227 χ^2/NDF : 30966.6/16

+ sign 1214.835+/-0.191 χ^2/NDF : 821411.2/32

All: 1215.450+/-0.134 χ^2/NDF : 1472642.3/67

- sign 1216.048+/-0.188 χ^2/NDF : 651210.6/34

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.3/16

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.0/17

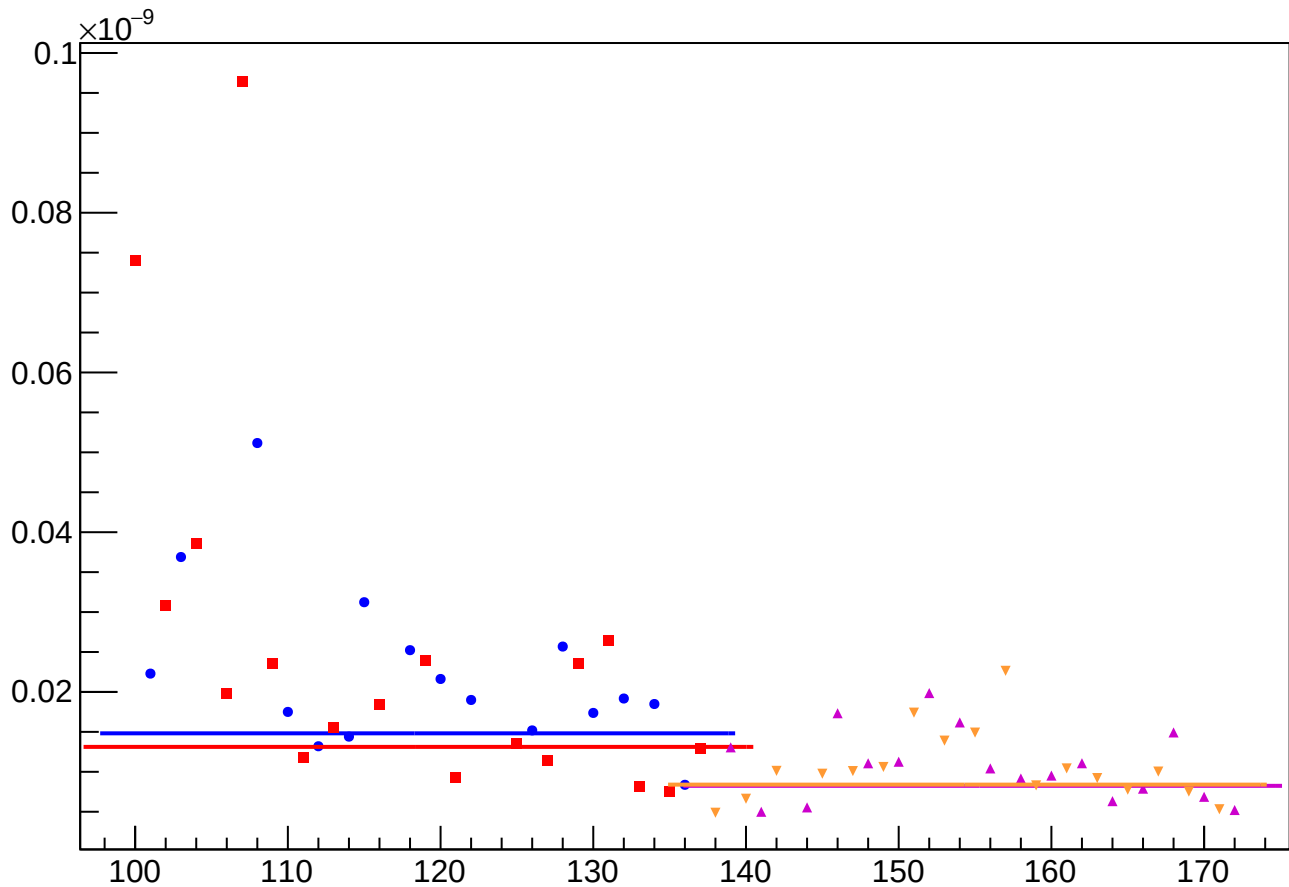
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.9/32

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.3/67

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/34

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



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

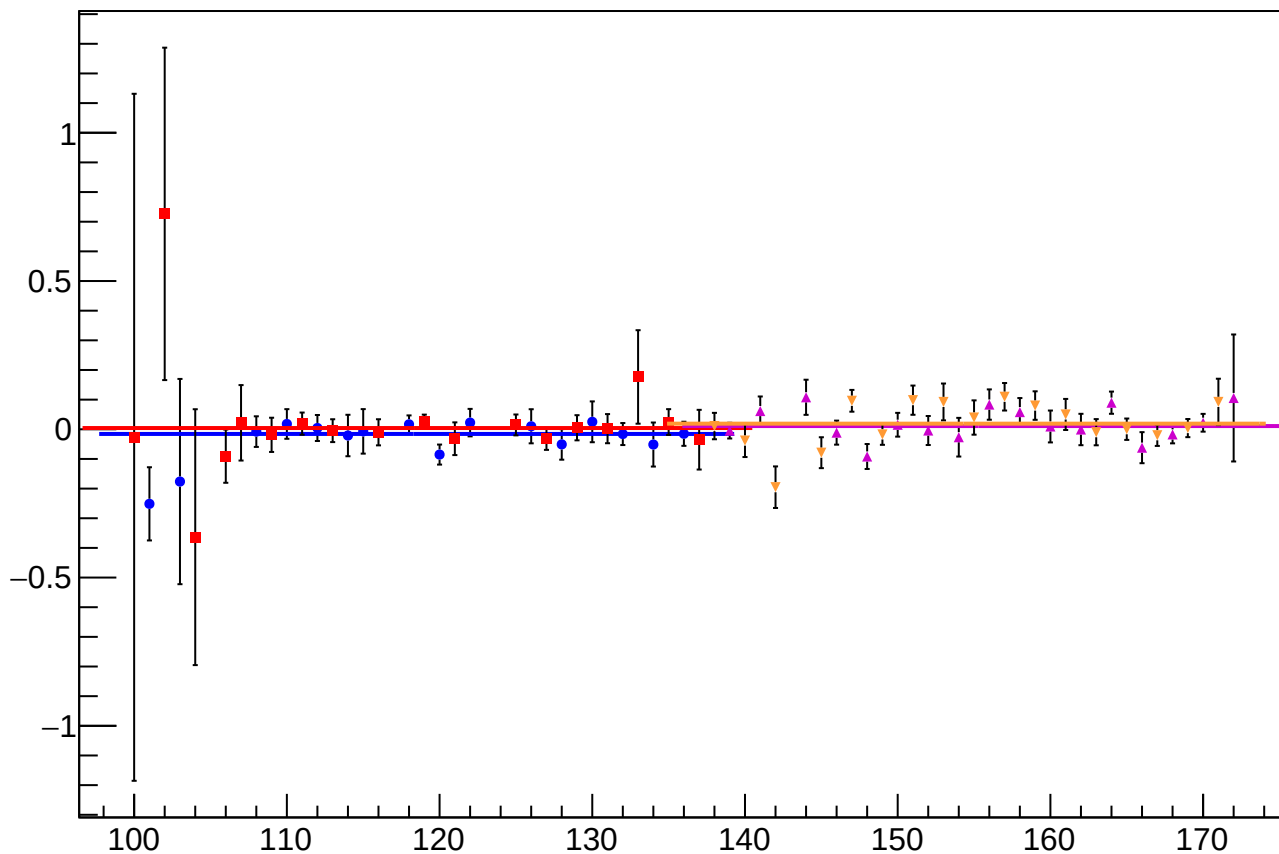
Left In: 0.000+/-0.000 χ^2/NDF : 1515828.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 3012199.9/32

All: 0.000+/-0.000 χ^2/NDF : 6175081.3/67

- sign 0.000+/-0.000 χ^2/NDF : 3153328.8/34

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 11.9/15$

Left Out: 0.019 ± 0.011 $\chi^2/\text{NDF}: 32.3/16$

Right Out: 0.004 ± 0.011 $\chi^2/\text{NDF}: 7.9/17$

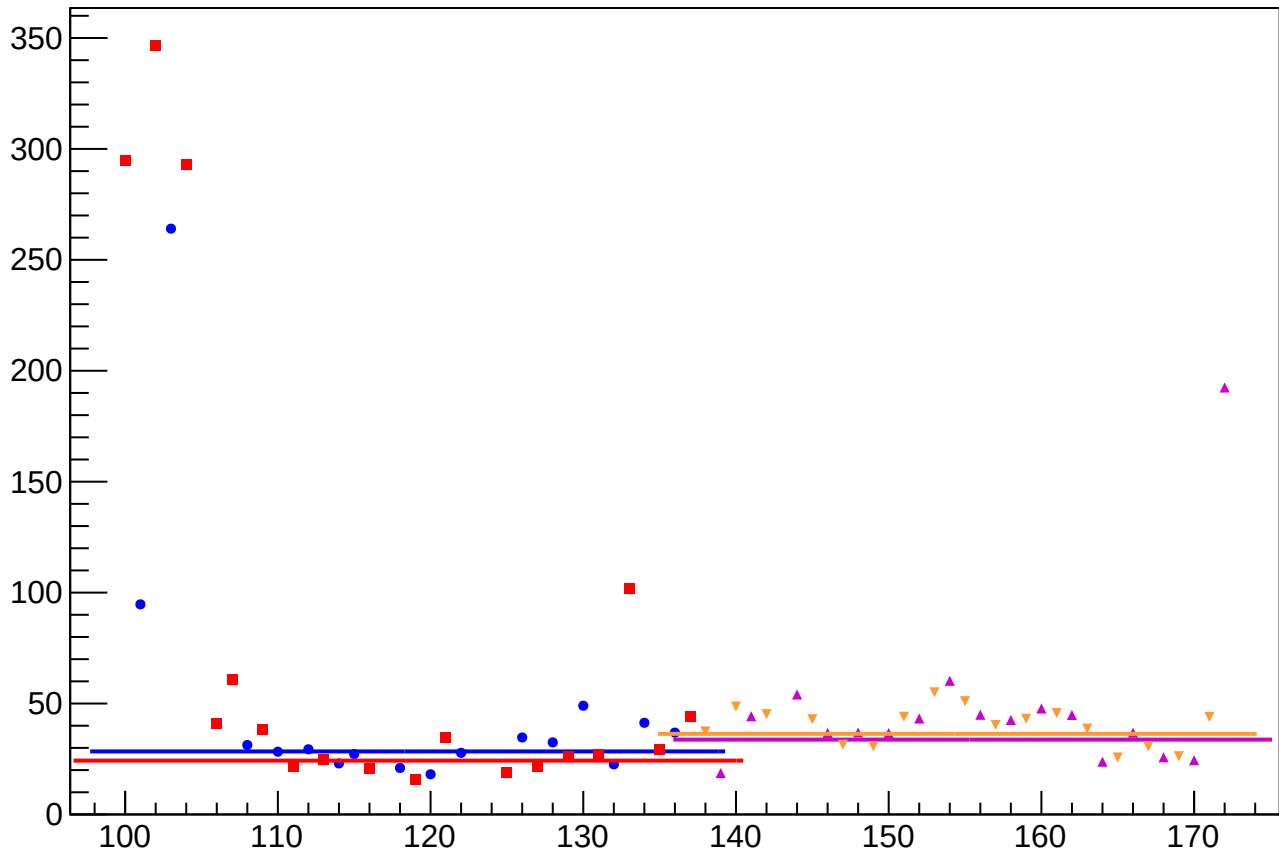
Left In: 0.011 ± 0.010 $\chi^2/\text{NDF}: 21.4/16$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 48.7/32$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 78.3/67$

- sign 0.008 ± 0.008 $\chi^2/\text{NDF}: 29.4/34$

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

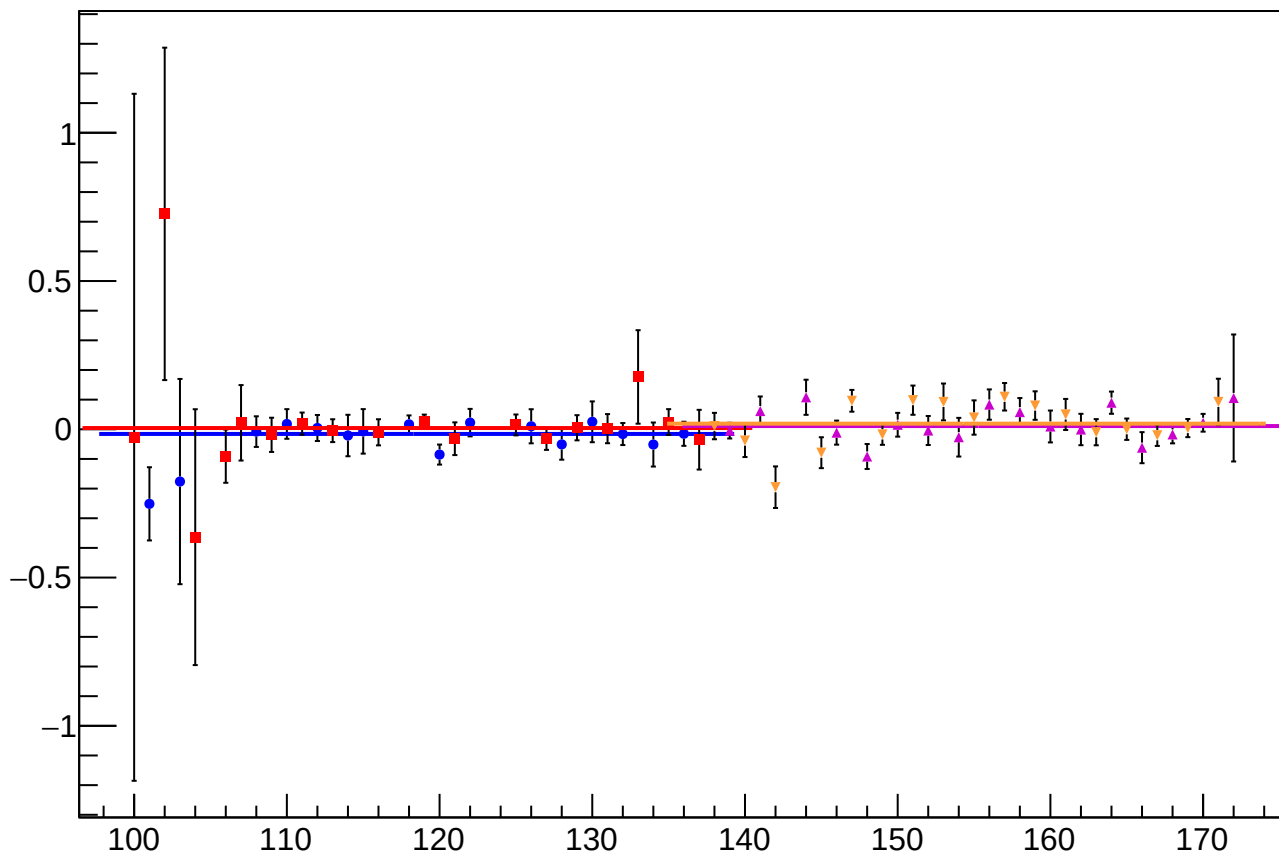
Left In: 33.733+/-0.007 χ^2/NDF : 3384869.0/16

+ sign 32.873+/-0.006 χ^2/NDF : 3911968.4/32

All: 31.075+/-0.004 χ^2/NDF : 11151811.7/67

- sign 29.487+/-0.005 χ^2/NDF : 7056377.6/34

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 11.9/15$

Left Out: 0.019 ± 0.011 $\chi^2/\text{NDF}: 32.3/16$

Right Out: 0.004 ± 0.011 $\chi^2/\text{NDF}: 7.9/17$

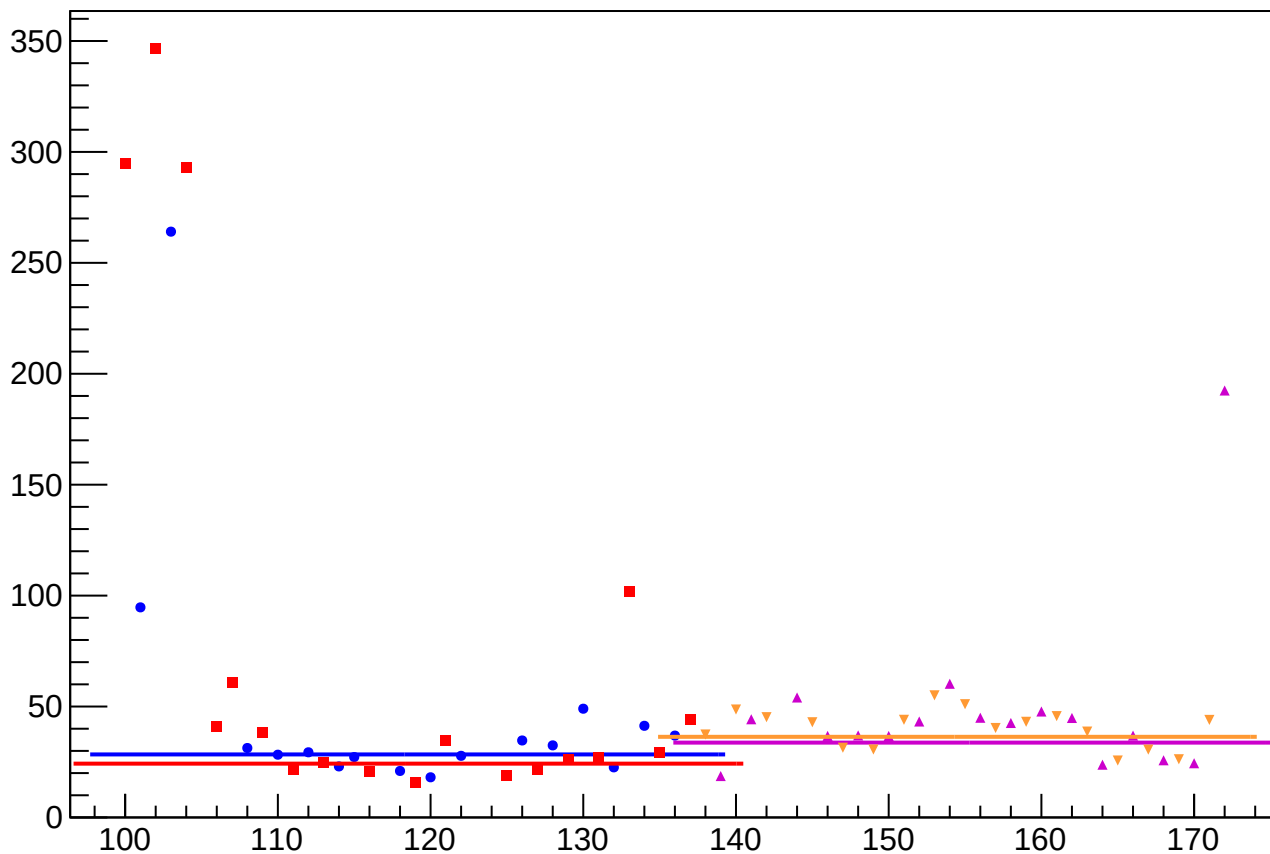
Left In: 0.011 ± 0.010 $\chi^2/\text{NDF}: 21.4/16$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 48.7/32$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 78.3/67$

- sign 0.008 ± 0.008 $\chi^2/\text{NDF}: 29.4/34$

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 0.009 χ^2 /NDF: 2245642.8/15

Left Out: 36.349 $\pm$ 0.008 χ^2 /NDF: 1198695.3/16

Right Out: 24.255 $\pm$ 0.008 χ^2 /NDF: 2913469.3/17

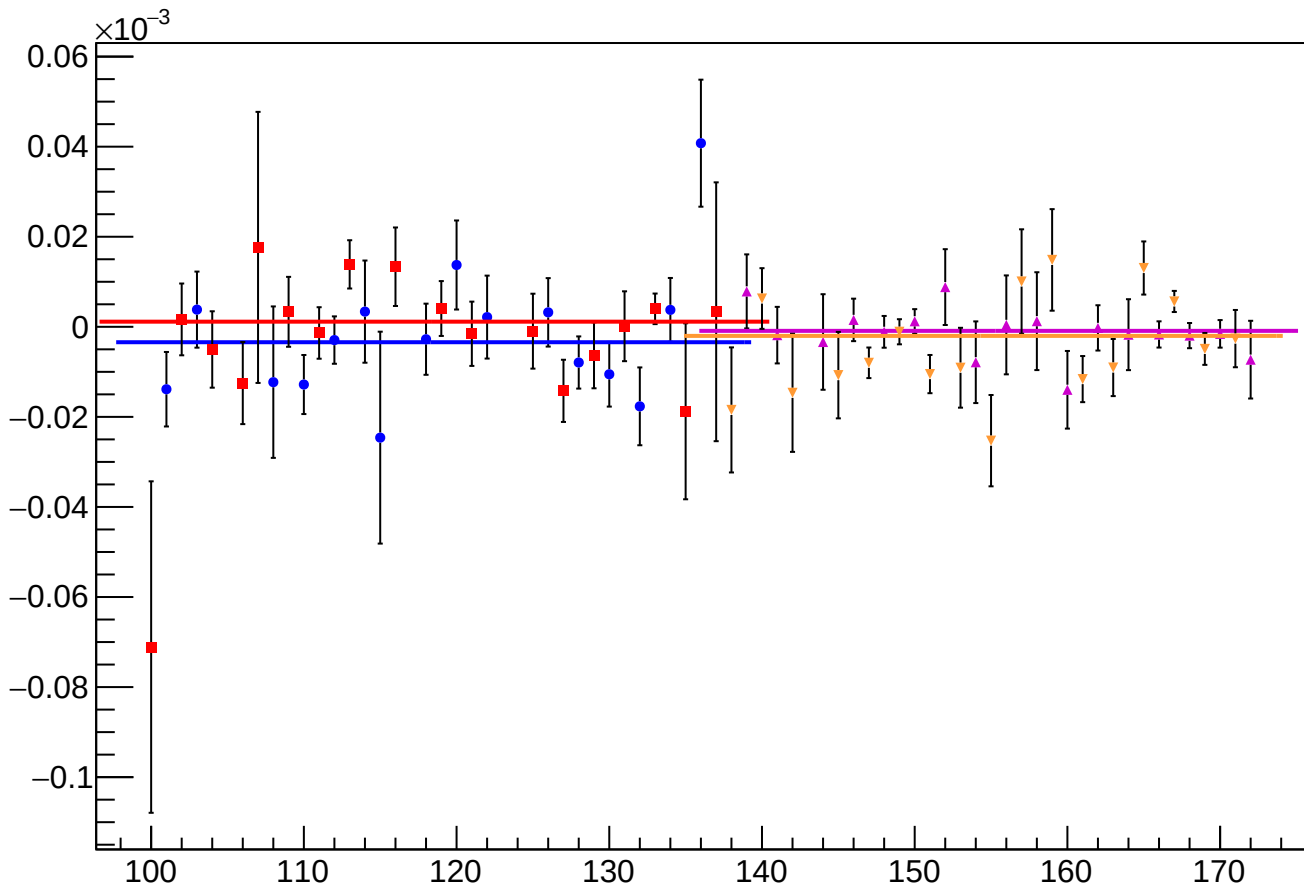
Left In: 33.733 $\pm$ 0.007 χ^2 /NDF: 3384869.0/16

+ sign 32.873 $\pm$ 0.006 χ^2 /NDF: 3911968.4/32

All: 31.075 $\pm$ 0.004 χ^2 /NDF: 11151811.7/67

- sign 29.487 $\pm$ 0.005 χ^2 /NDF: 7056377.6/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.1/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.7/16

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.0/17

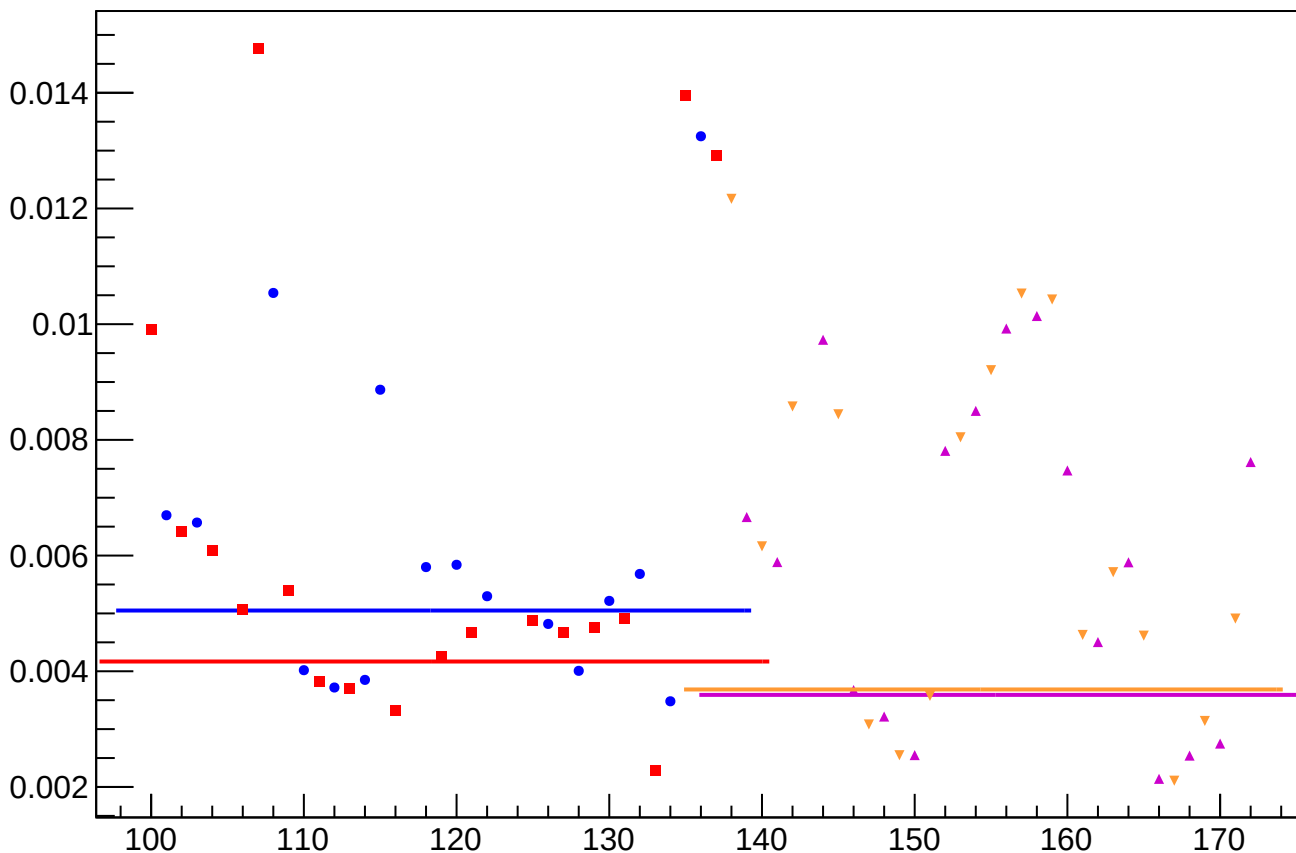
Left In: -0.000 ± 0.000 χ^2/NDF : 7.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 69.2/32

All: -0.000 ± 0.000 χ^2/NDF : 102.7/67

- sign -0.000 ± 0.000 χ^2/NDF : 31.2/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF : 6018434.2/16

Right Out: 0.004+/-0.000 χ^2/NDF : 2041975.6/17

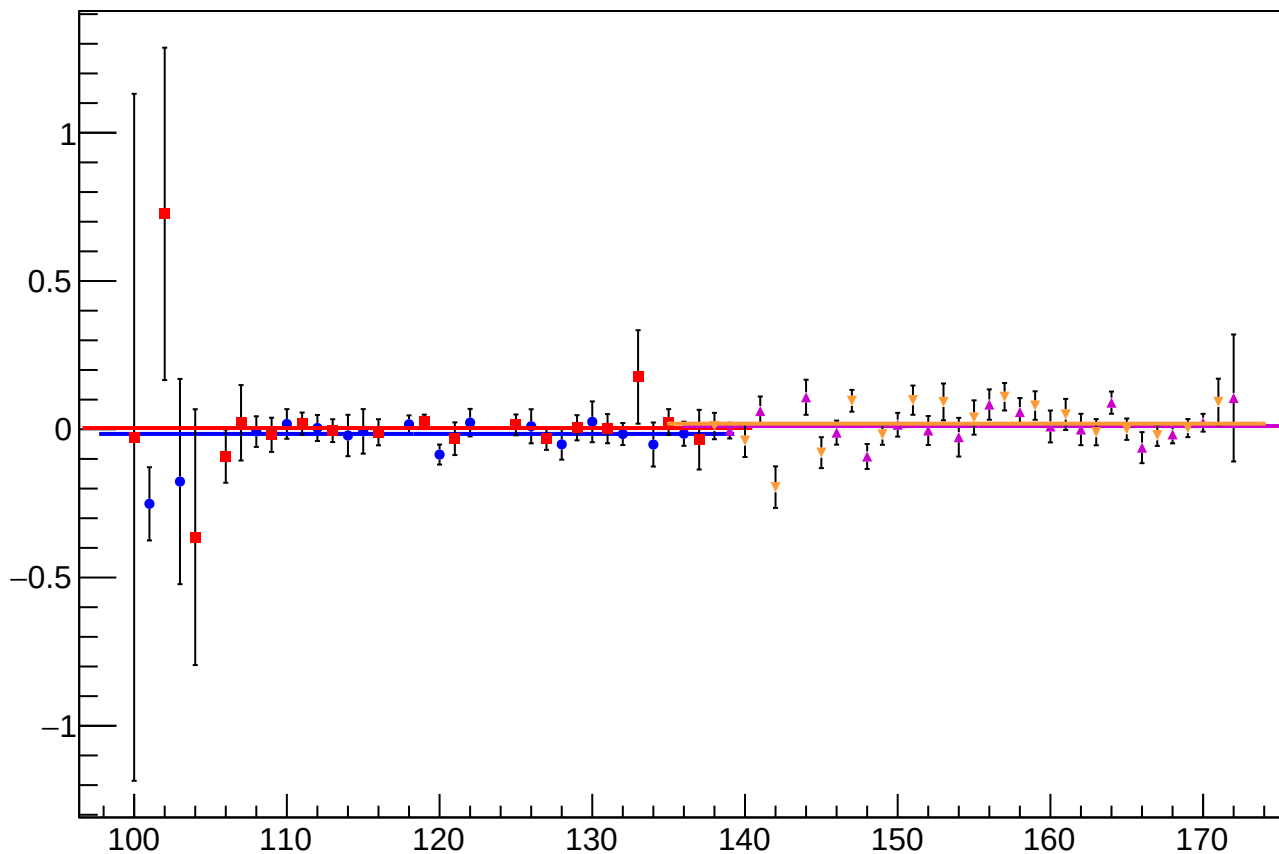
Left In: 0.004+/-0.000 χ^2/NDF : 6024340.4/16

+ sign 0.004+/-0.000 χ^2/NDF : 8193880.8/32

All: 0.004+/-0.000 χ^2/NDF : 16491098.5/67

- sign 0.004+/-0.000 χ^2/NDF : 8226622.8/34

asym_us_dd_atlr_dd_dd_eigen_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

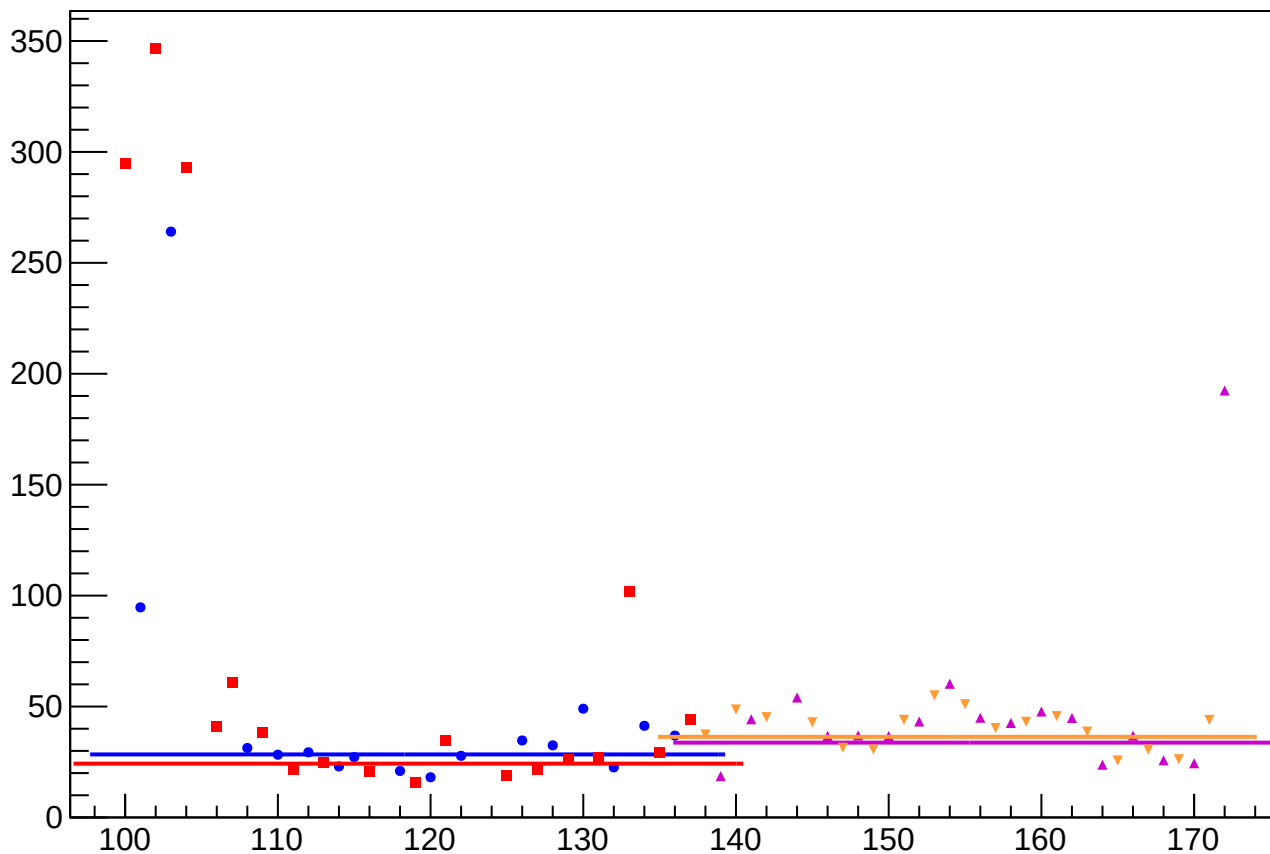
Left In: 0.011 ± 0.010 χ^2/NDF : 21.4/16

+ sign 0.004 ± 0.008 χ^2/NDF : 48.7/32

All: 0.006 ± 0.006 χ^2/NDF : 78.3/67

- sign 0.008 ± 0.008 χ^2/NDF : 29.4/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.411 $\pm$ 0.009 χ^2 /NDF: 2245663.3/15

Left Out: 36.349 $\pm$ 0.008 χ^2 /NDF: 1198879.2/16

Right Out: 24.254 $\pm$ 0.008 χ^2 /NDF: 2913710.0/17

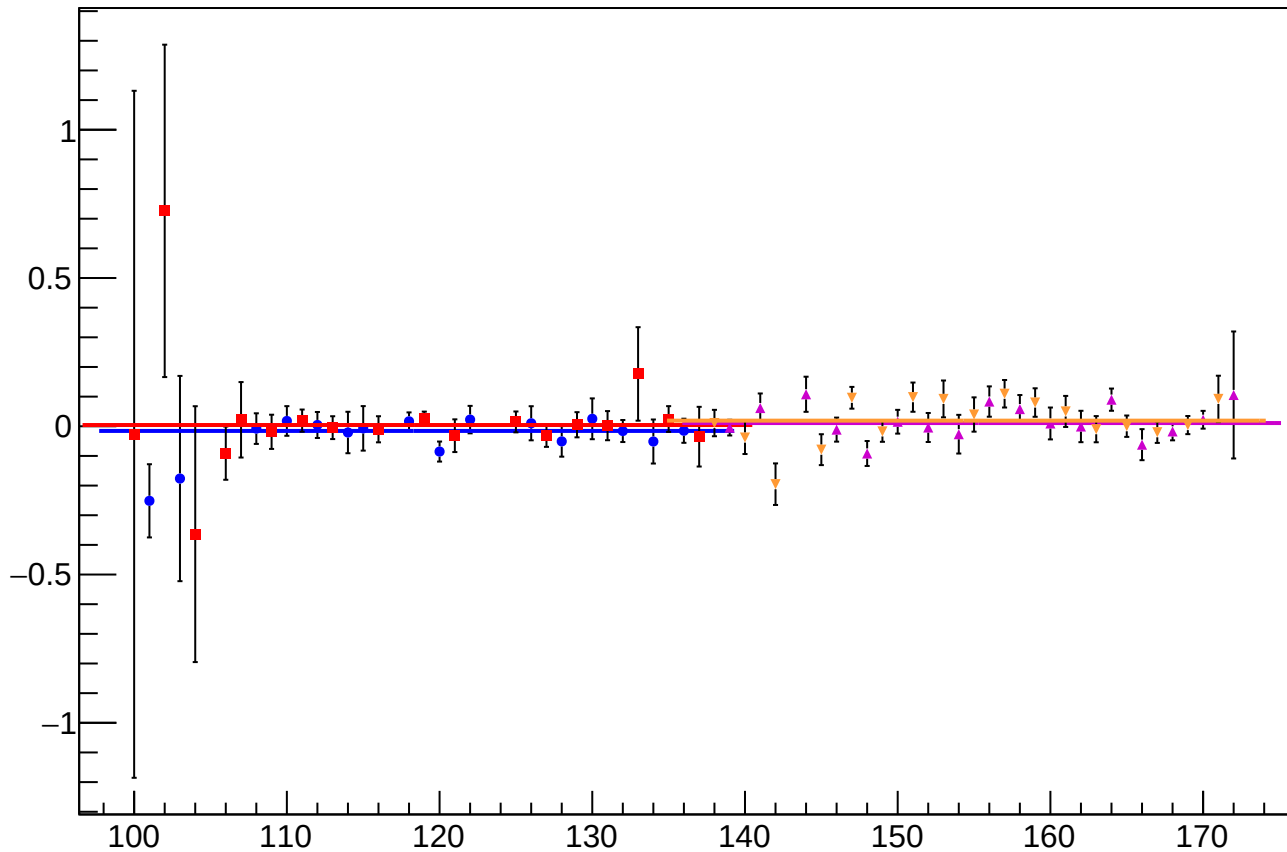
Left In: 33.733 $\pm$ 0.007 χ^2 /NDF: 3385288.2/16

+ sign 32.872 $\pm$ 0.006 χ^2 /NDF: 3912137.0/32

All: 31.074 $\pm$ 0.004 χ^2 /NDF: 11152977.7/67

- sign 29.486 $\pm$ 0.005 χ^2 /NDF: 7057276.3/34

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 11.9/15$

Left Out: 0.019 ± 0.011 $\chi^2/\text{NDF}: 32.3/16$

Right Out: 0.004 ± 0.011 $\chi^2/\text{NDF}: 7.9/17$

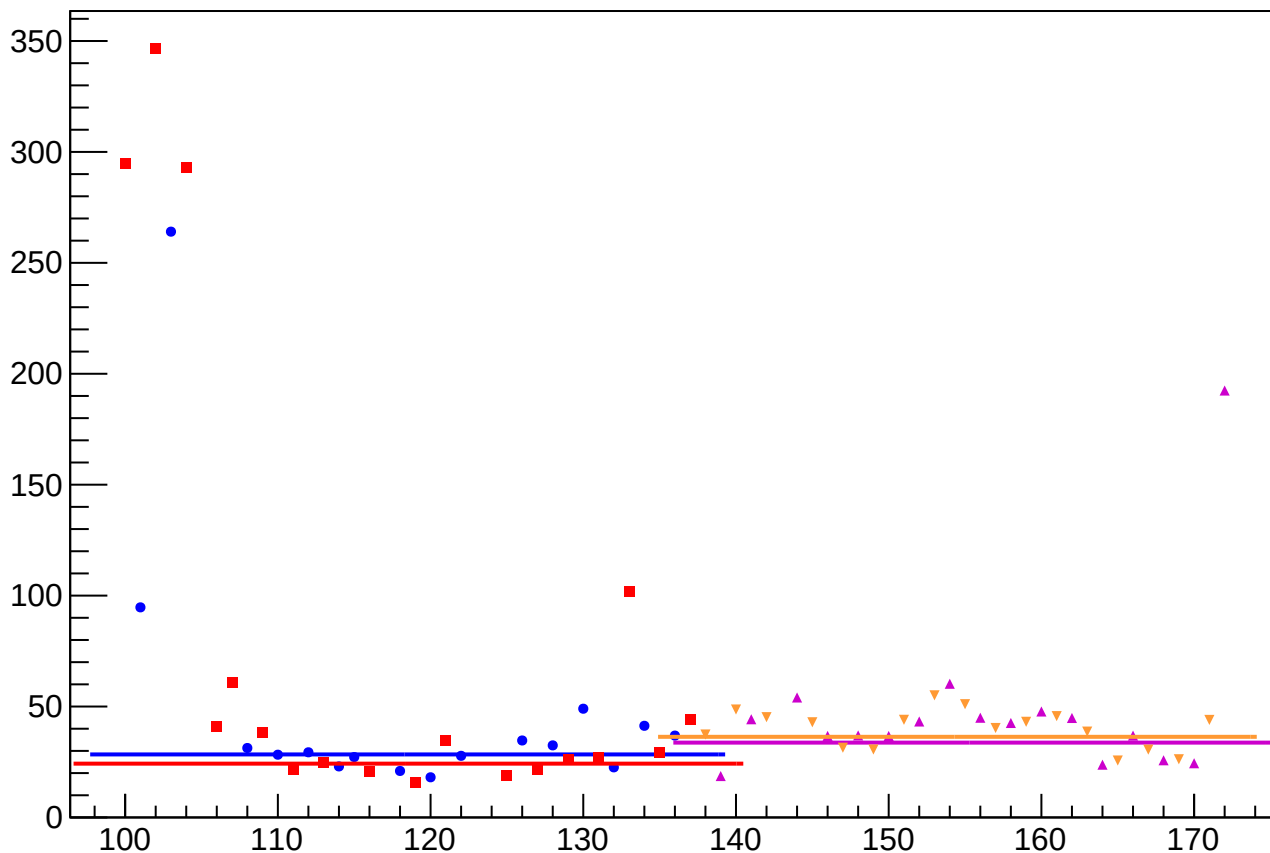
Left In: 0.011 ± 0.010 $\chi^2/\text{NDF}: 21.4/16$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 48.7/32$

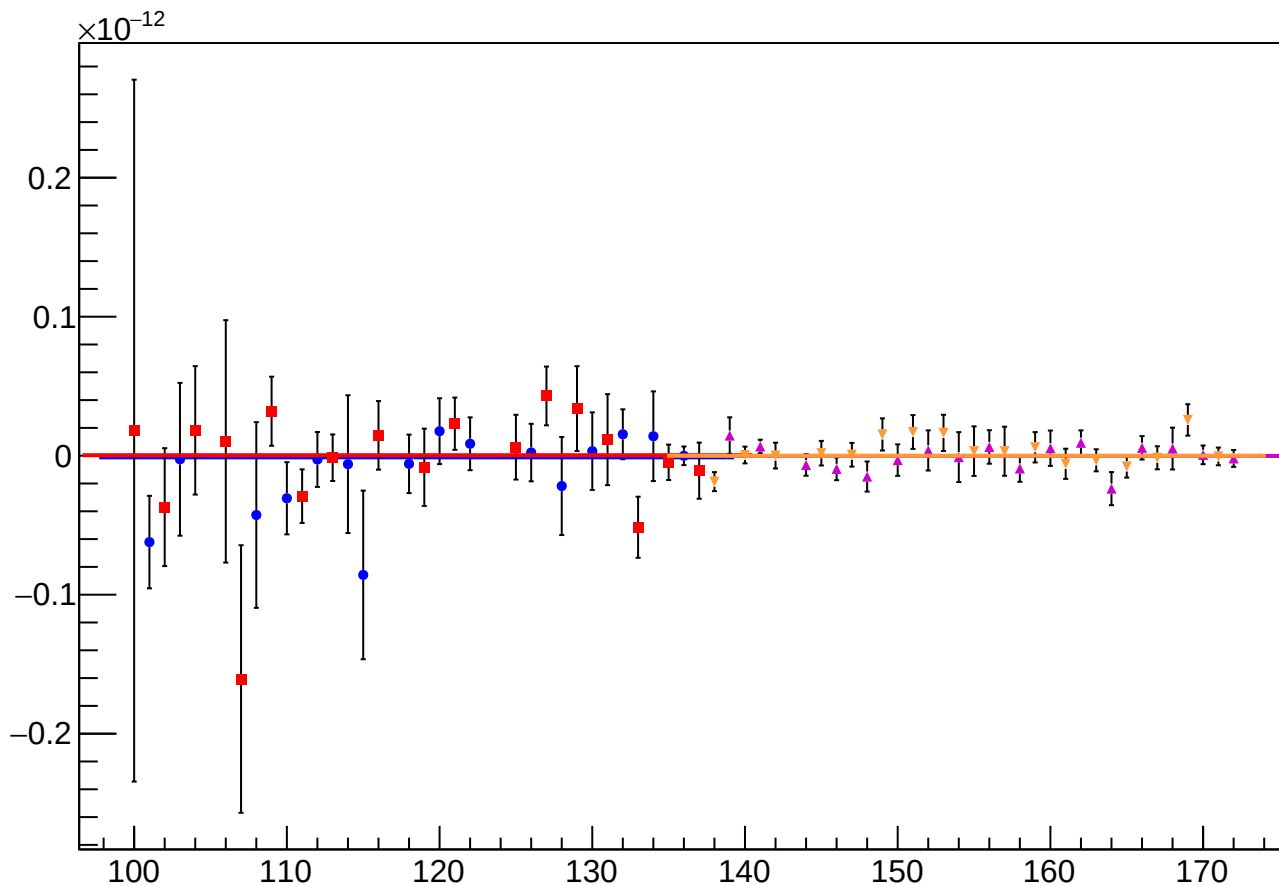
All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 78.3/67$

- sign 0.008 ± 0.008 $\chi^2/\text{NDF}: 29.4/34$

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

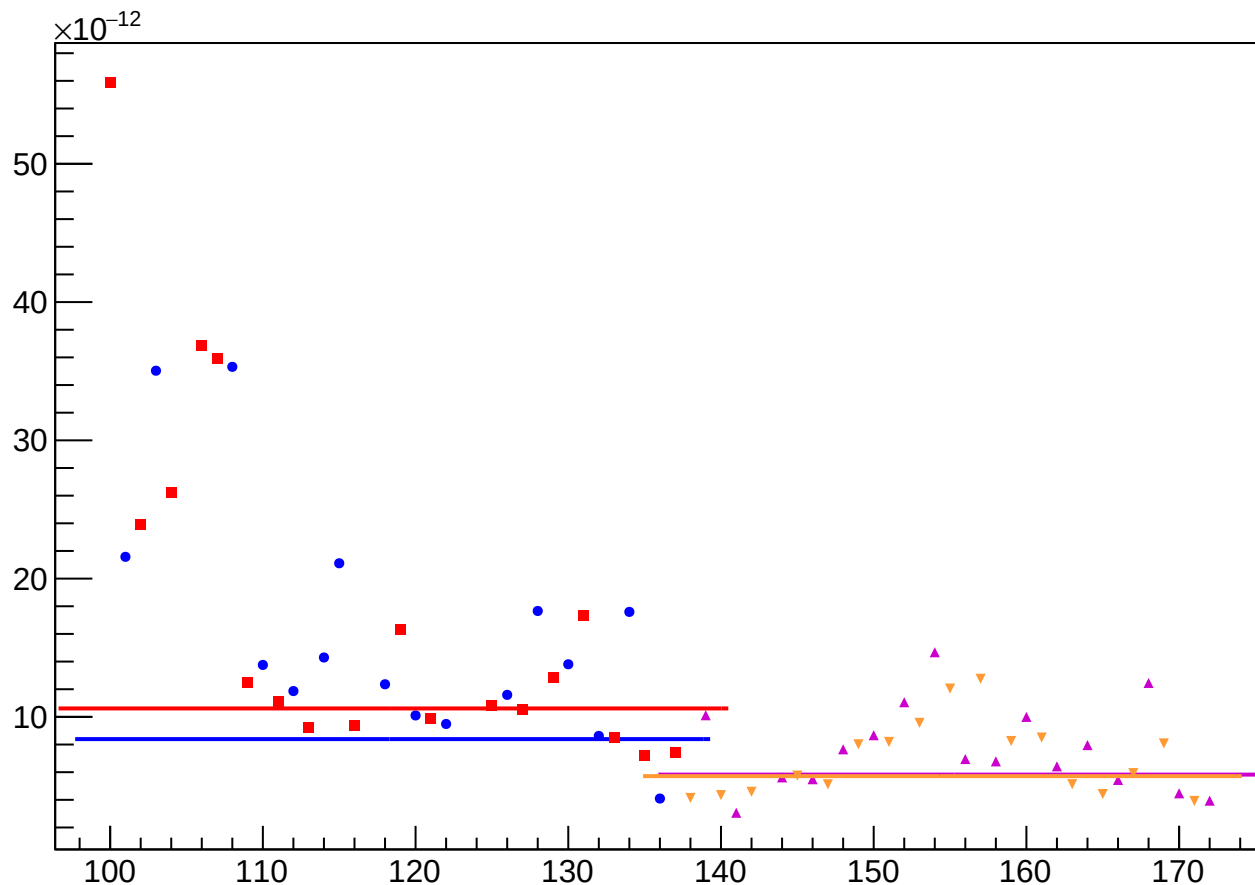
Left In: -0.000+/-0.000 χ^2/NDF : 14.3/16

+ sign -0.000+/-0.000 χ^2/NDF : 29.3/32

All: -0.000+/-0.000 χ^2/NDF : 64.7/67

- sign -0.000+/-0.000 χ^2/NDF : 35.4/34

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

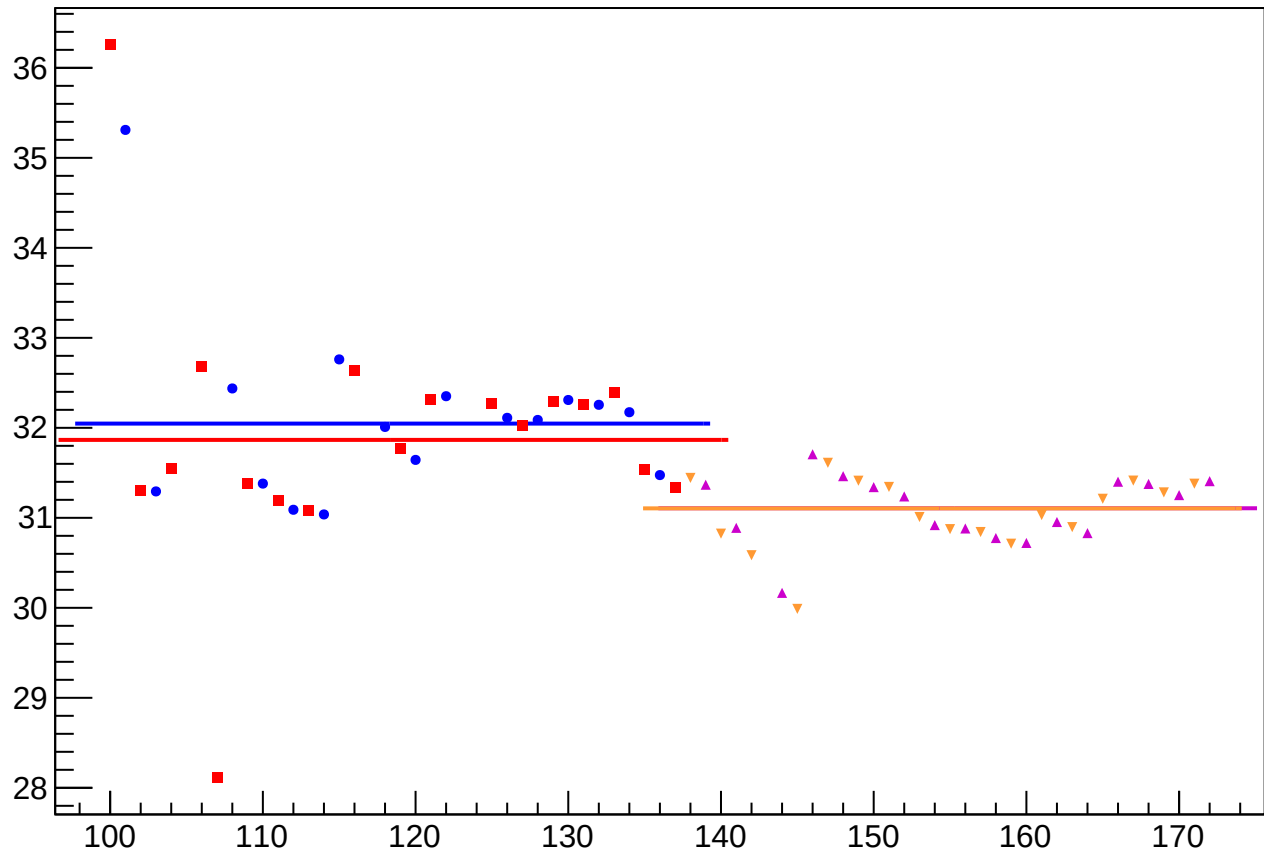
Left In: 0.000+/-0.000 χ^2/NDF : 2787059.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 4939827.8/32

All: 0.000+/-0.000 χ^2/NDF : 10243447.7/67

- sign 0.000+/-0.000 χ^2/NDF : 5286587.4/34

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

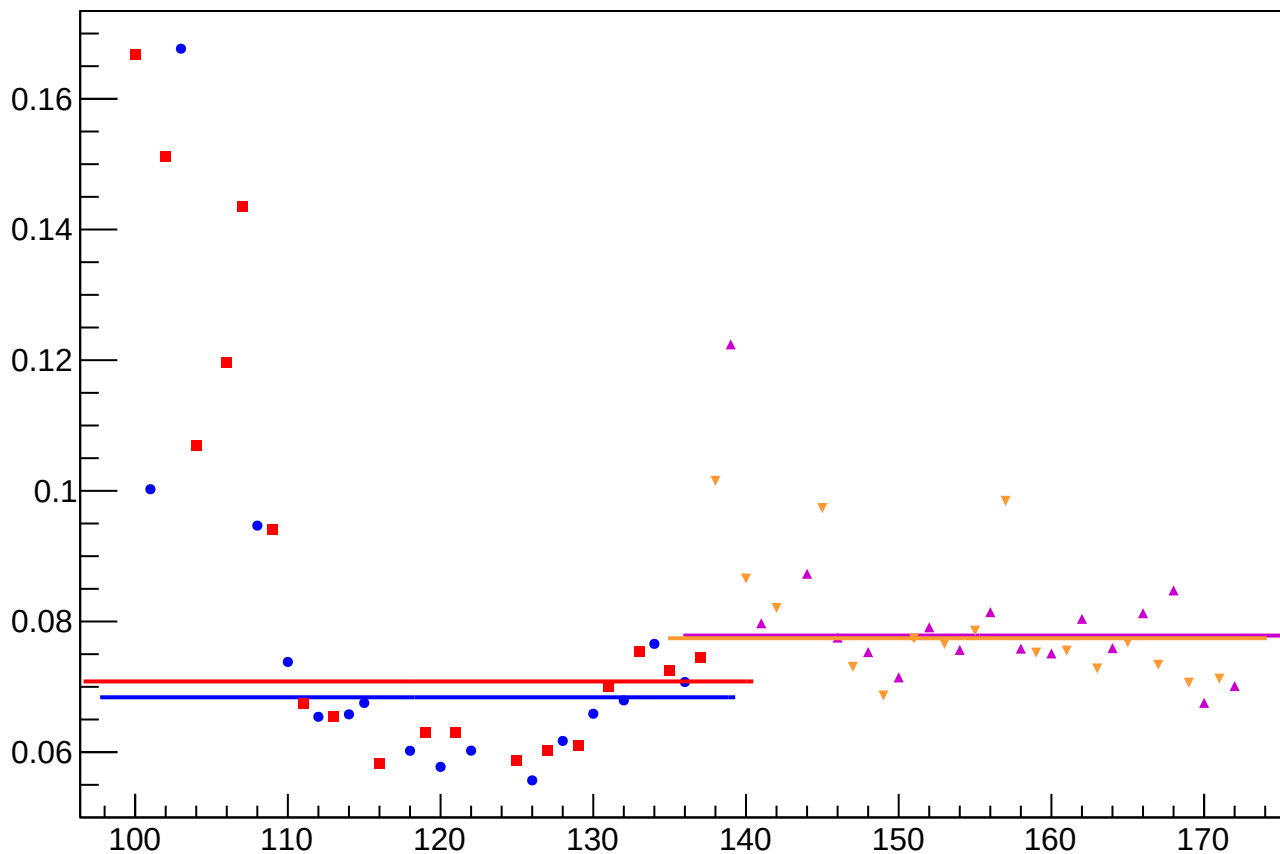
Left In: 31.106+/-0.000 χ^2/NDF : 265640593.4/16

+ sign 31.482+/-0.000 χ^2/NDF : 1867517739.8/32

All: 31.437+/-0.000 χ^2/NDF : 3080677611.4/6

- sign 31.391+/-0.000 χ^2/NDF : 1199433584.1/34

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 703207.9/15

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 293840.7/16

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 868237.4/17

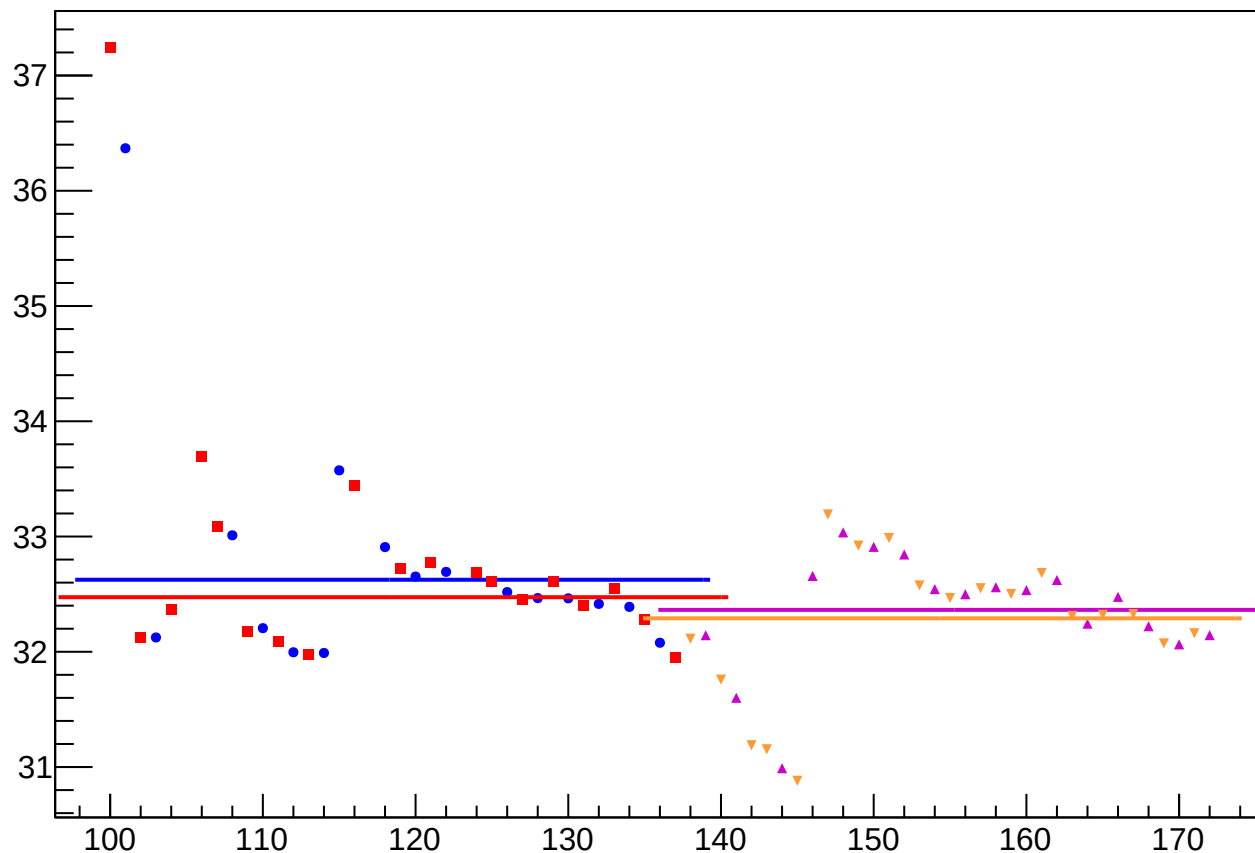
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF: 319144.3/16

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1128258.4/32

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2398668.0/67

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1263952.5/34

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

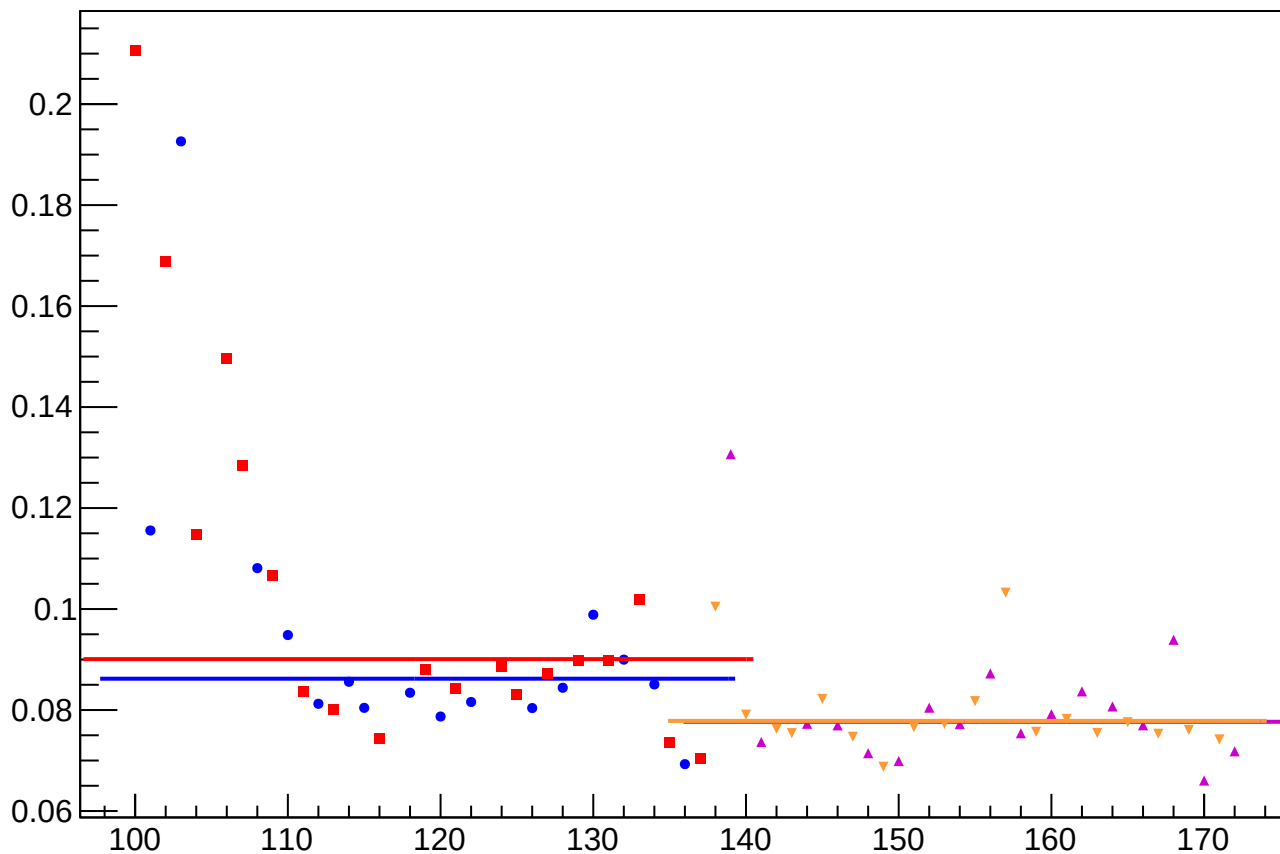
Left In: 32.364+/-0.000 χ^2/NDF : 558315349.2/16

+ sign 32.385+/-0.000 χ^2/NDF : 1589996808.7/33

All: 32.389+/-0.000 χ^2/NDF : 2312193113.5/6

- sign 32.394+/-0.000 χ^2/NDF : 722096111.4/35

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 598718.4/15

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:205362.0/17

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 621848.1/18

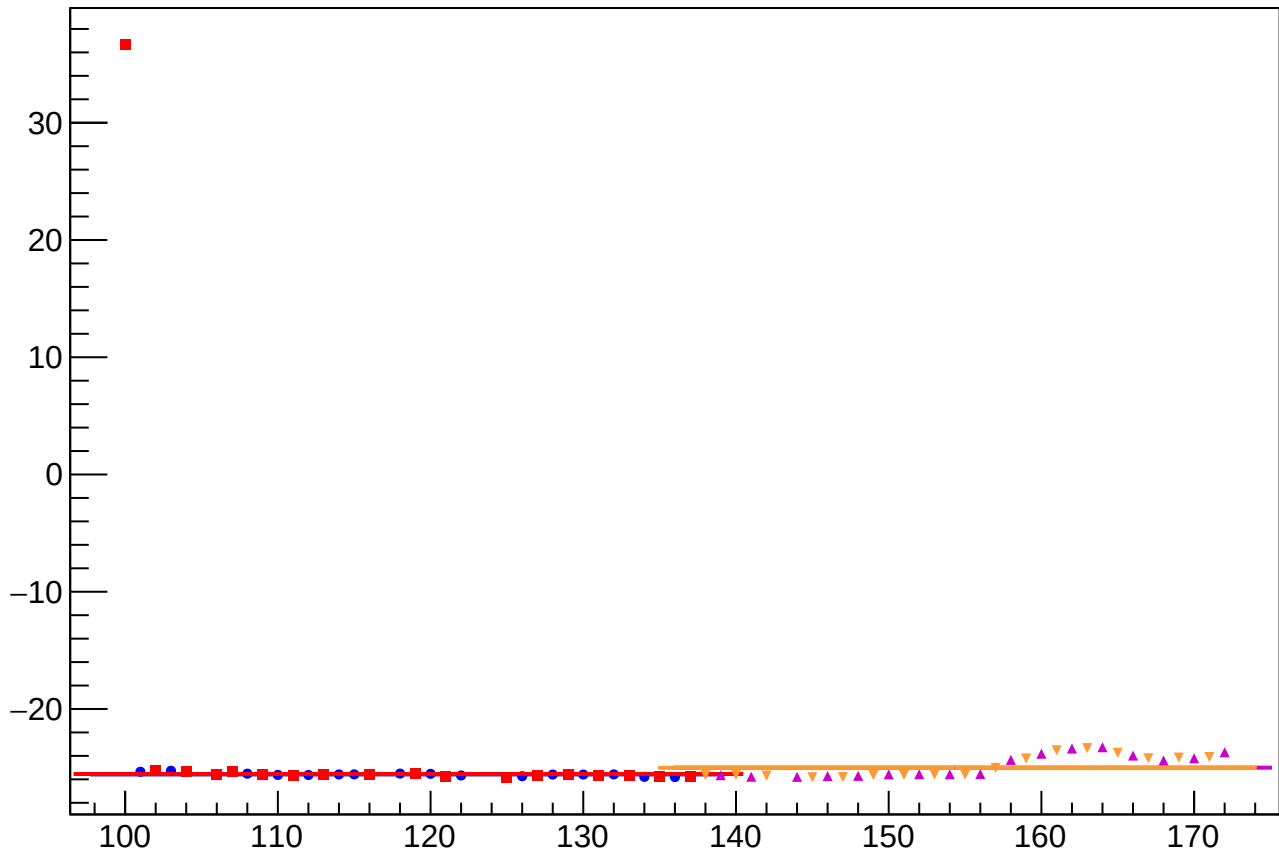
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:443274.6/16

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 888507.7/33

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 2133624.9/69

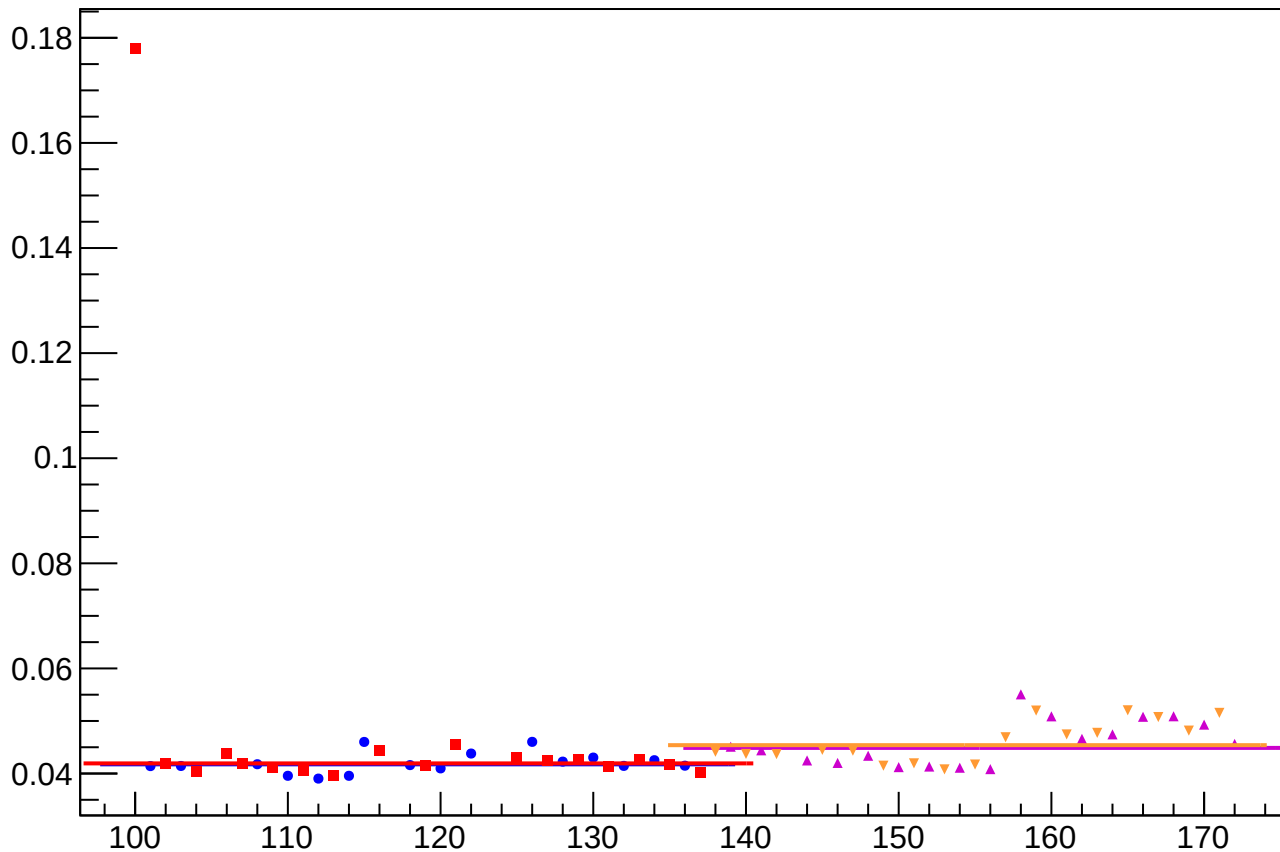
- sign 0.081 $\pm$ 0.000 χ^2 /NDF: 1243086.1/35

yield_dsl_mean vs Slug



Right In: -25.579+/-0.000	χ^2/NDF : 98389255.1/15	+ sign -25.238+/-0.000	χ^2/NDF : 5529584207.4/32
Left Out: -25.017+/-0.000	χ^2/NDF : 4644390496.9/16	All: -25.223+/-0.000	χ^2/NDF : 20556035413.6
Right Out: -25.544+/-0.000	χ^2/NDF : 8907540506.8/17	- sign -25.208+/-0.000	χ^2/NDF : 15021596371.2/34
Left In: -25.004+/-0.000	χ^2/NDF : 5368408687.2/16		

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 20733.3/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:165136.4/16

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 100140.4/17

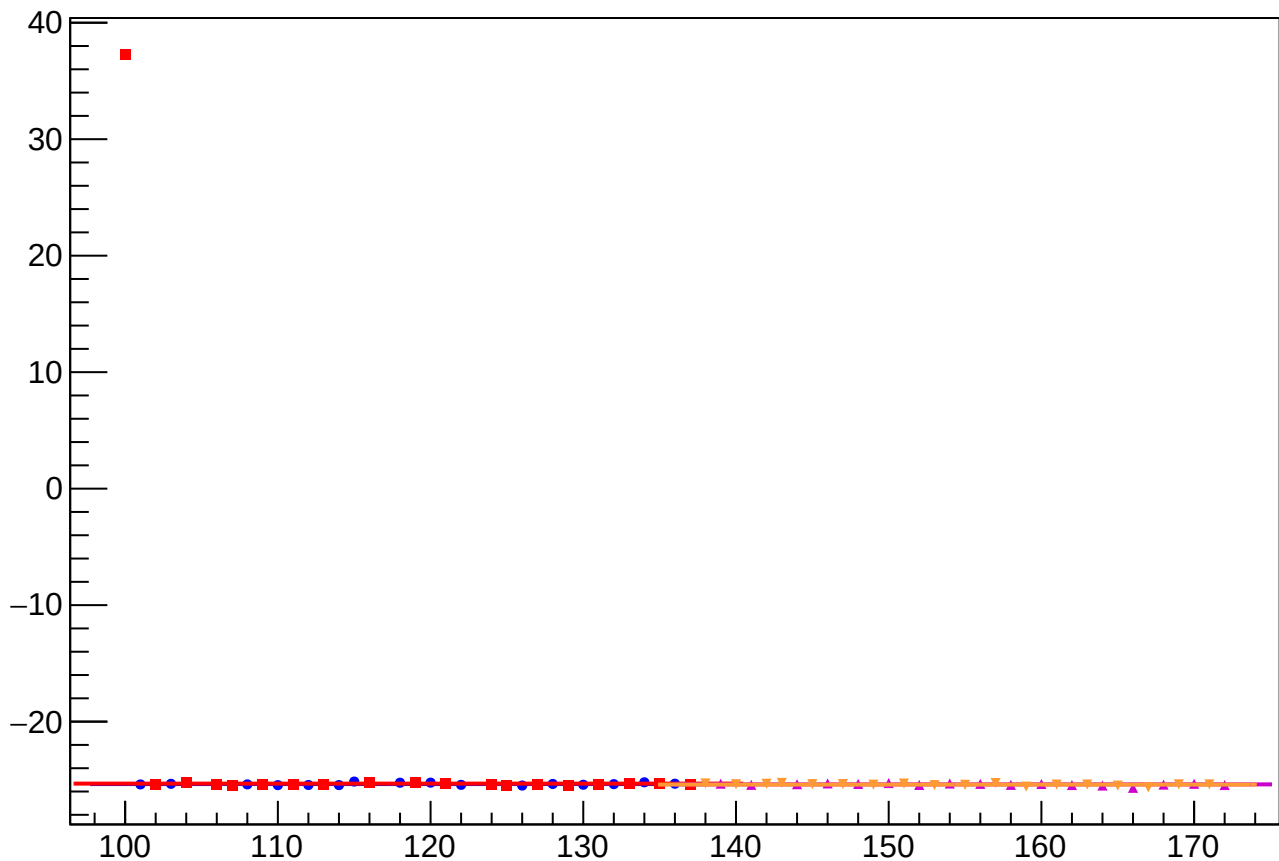
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:211353.7/16

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 252253.7/32

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 608691.7/67

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 356017.2/34

yield_dsr_mean vs Slug



Right In: -25.360 ± 0.000 $\chi^2/\text{NDF}: 13284405.9/15$

Left Out: -25.404 ± 0.000 $\chi^2/\text{NDF}: 42382734.1/17$

Right Out: -25.322 ± 0.000 $\chi^2/\text{NDF}: 6314907036.5/18$

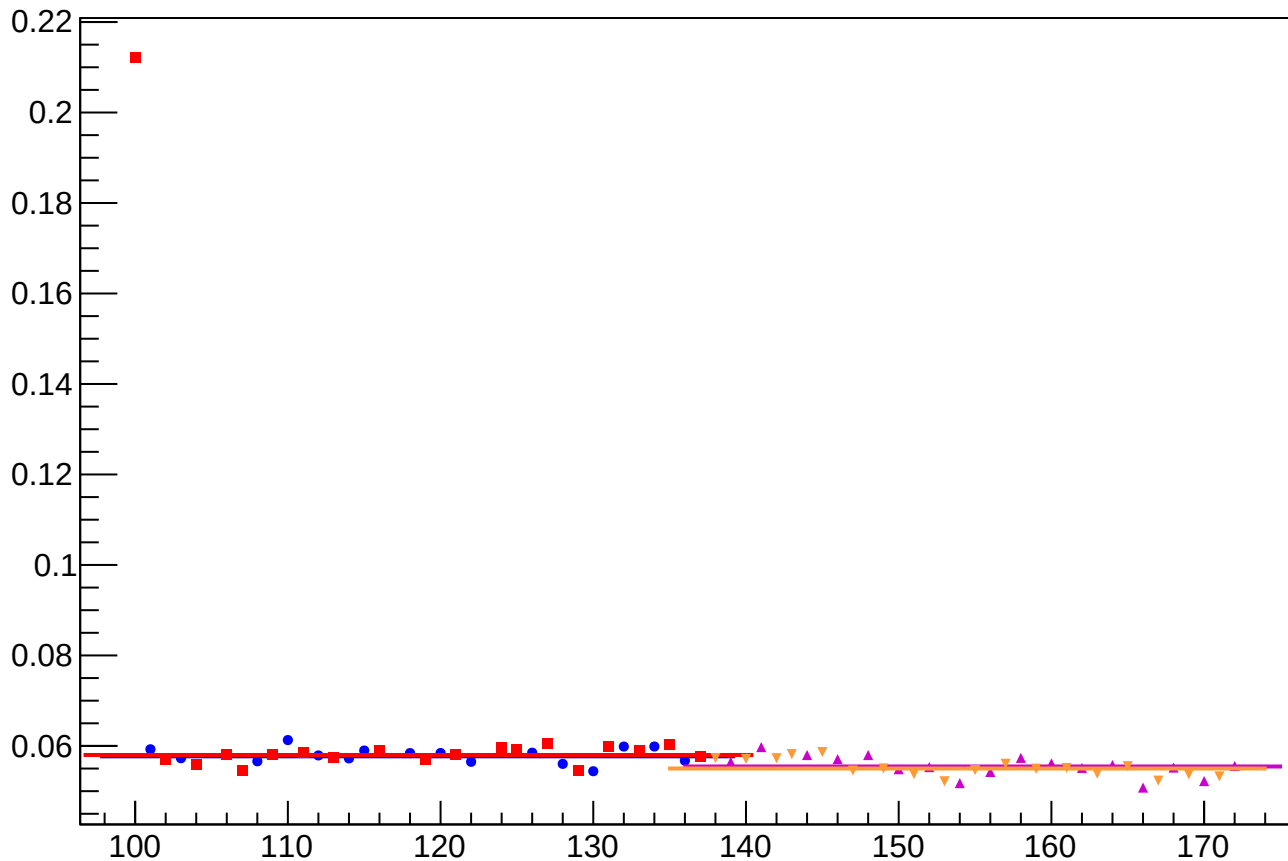
Left In: -25.387 ± 0.000 $\chi^2/\text{NDF}: 33887748.6/16$

+ sign -25.390 ± 0.000 $\chi^2/\text{NDF}: 58381793.8/33$

All: -25.378 ± 0.000 $\chi^2/\text{NDF}: 6415226513.9/34$

- sign -25.366 ± 0.000 $\chi^2/\text{NDF}: 6354929005.1/35$

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 11763.6/15

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:30464.5/17

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 88682.9/18

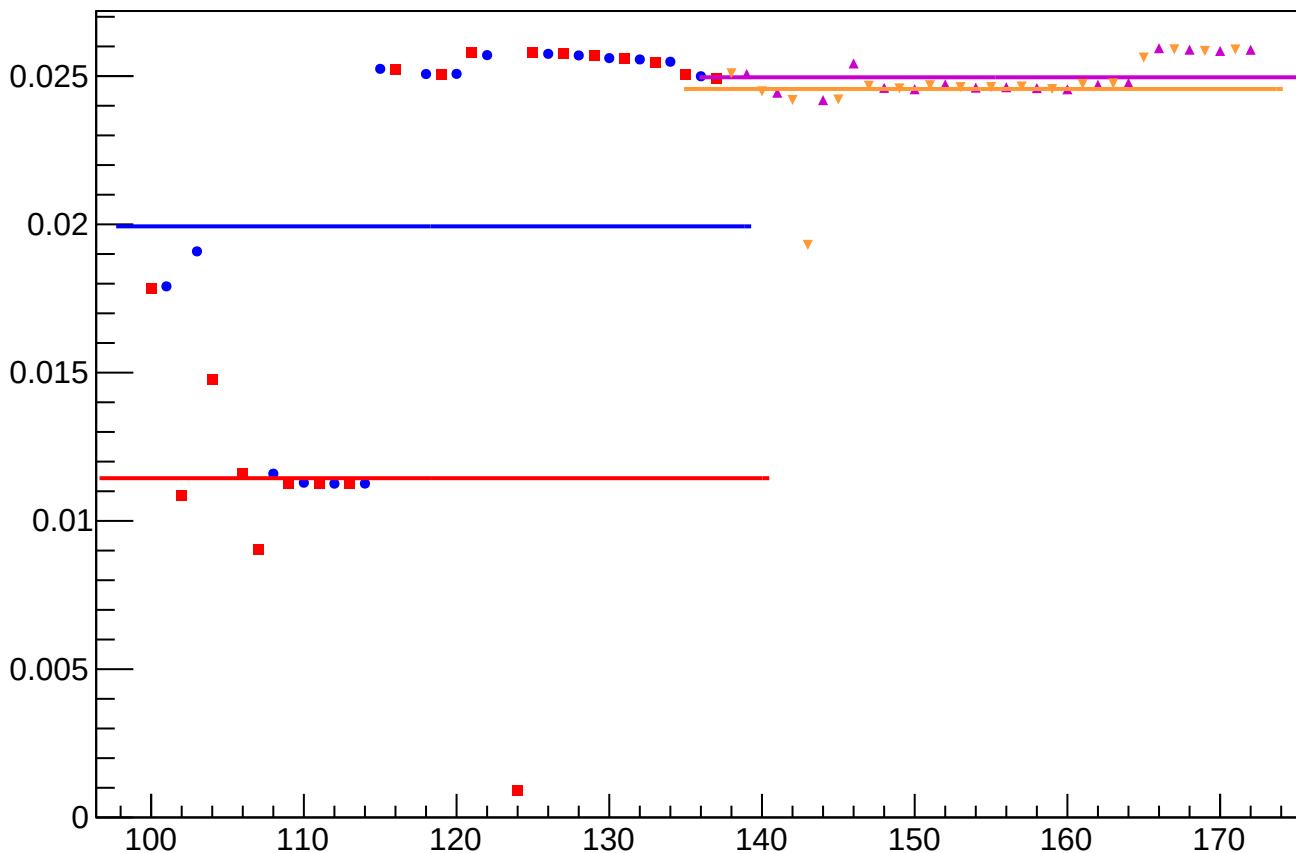
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:44217.8/16

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 62971.3/33

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 215733.4/69

- sign 0.056 $\pm$ 0.000 χ^2 /NDF: 151565.3/35

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 62465154056.0/15

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 6055598963.4/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 253880264851.8/18

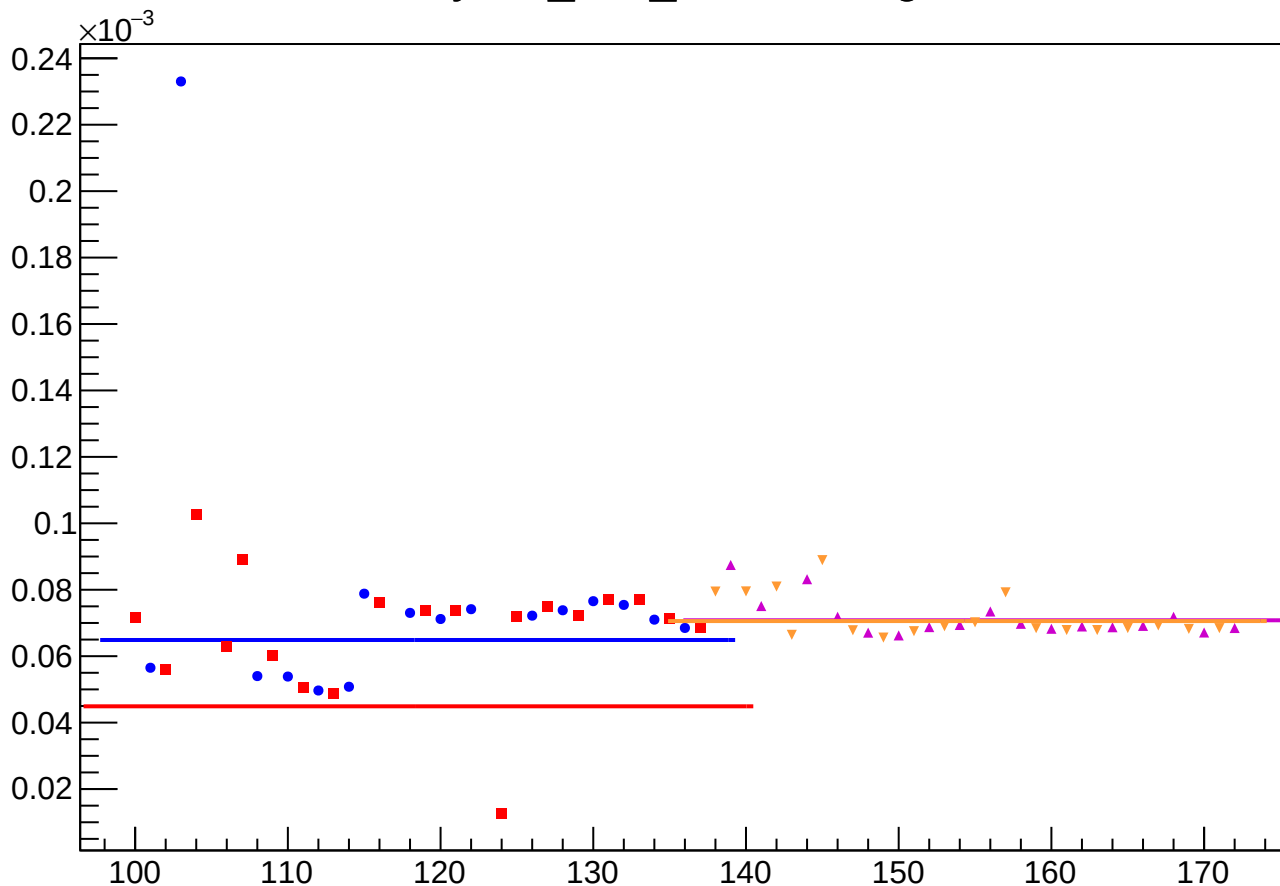
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 874365556.0/16

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 89956748495.3/33

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 631080968385.0

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 494474071986.0/35

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 816892.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:172222.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3770565.9/18

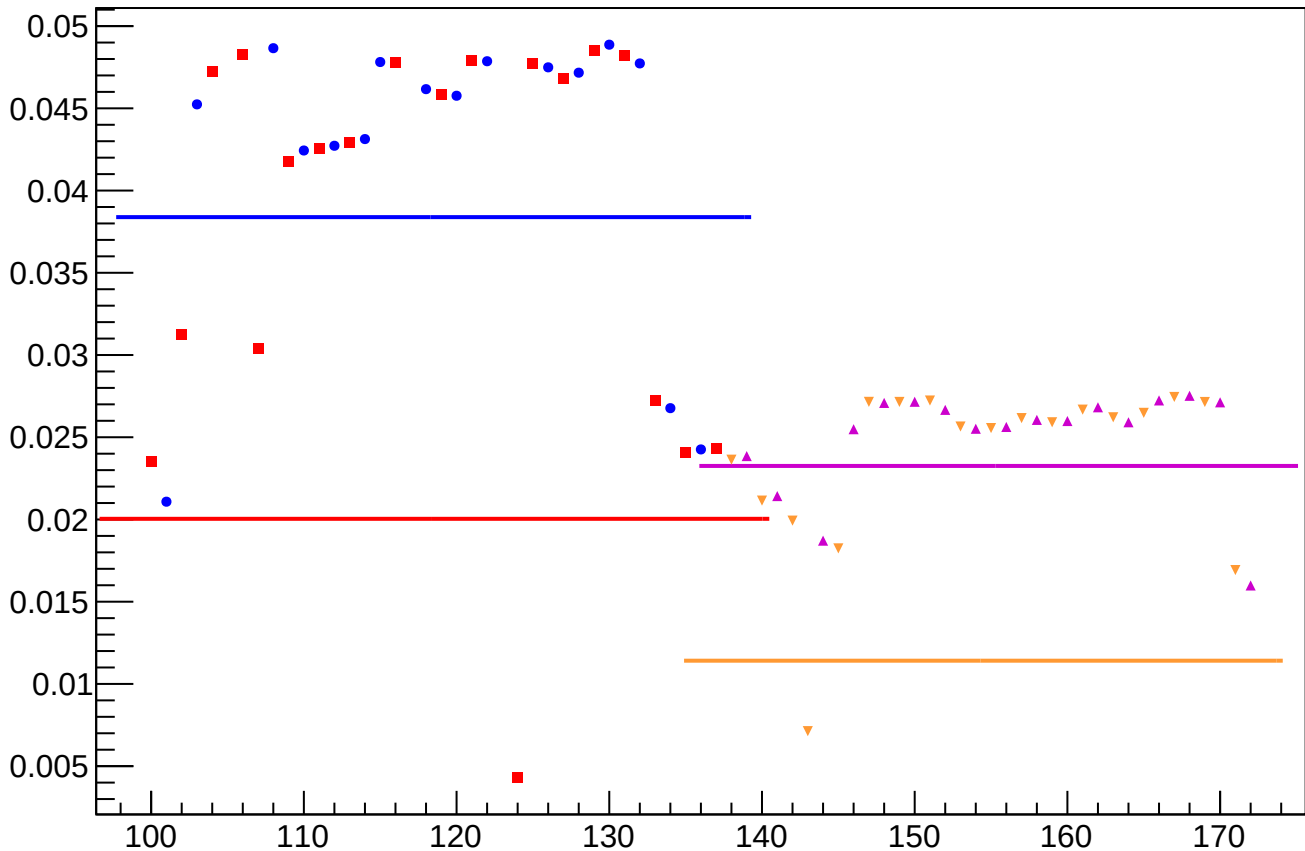
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:133277.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1053955.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7206801.6/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5663555.1/35

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7078619233.3/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 33243252902.8/17

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 42185025429.6/18

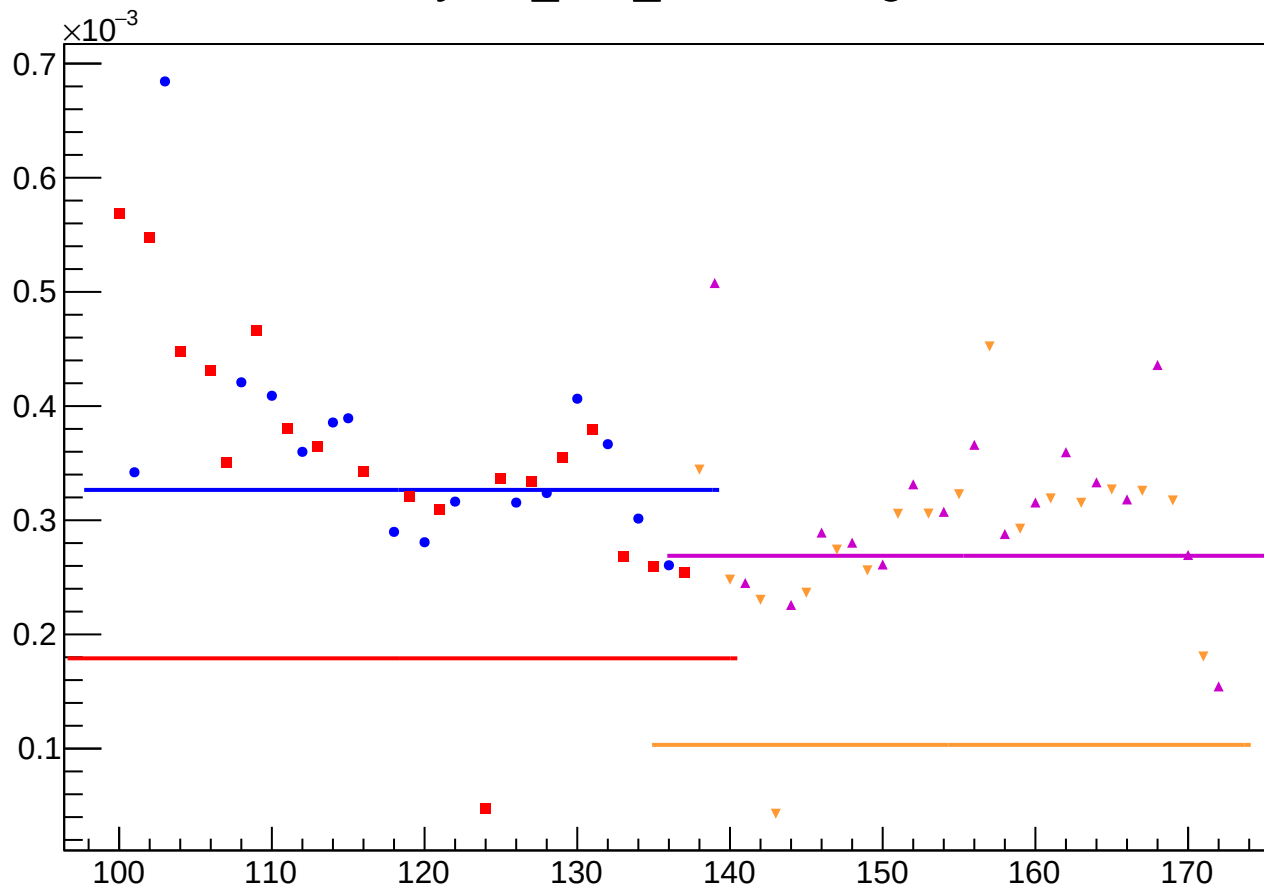
Left In: 0.023 $\pm$ 0.000 χ^2 /NDF: 3145786823.4/16

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 79452424389.7/33

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 138230789892.3

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 46055037230.2/35

yield_atl2_rms vs Slug



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

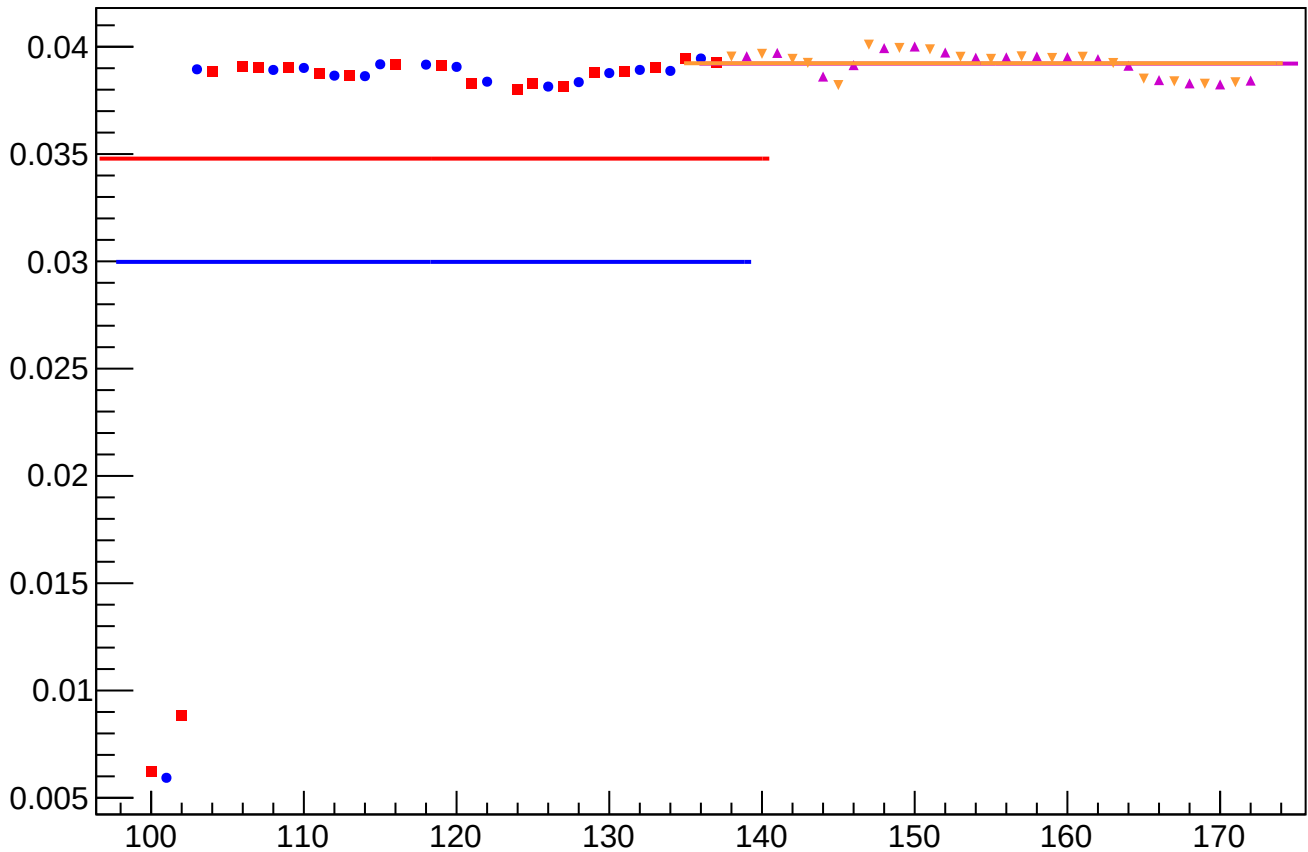
Left In: 0.000+/-0.000 χ^2/NDF :1893706.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 19139304.2/33

All: 0.000+/-0.000 χ^2/NDF : 32363673.6/69

- sign 0.000+/-0.000 χ^2/NDF : 8684699.0/35

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 108275706275.7/15

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 292624052.4/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 47263545471.6/18

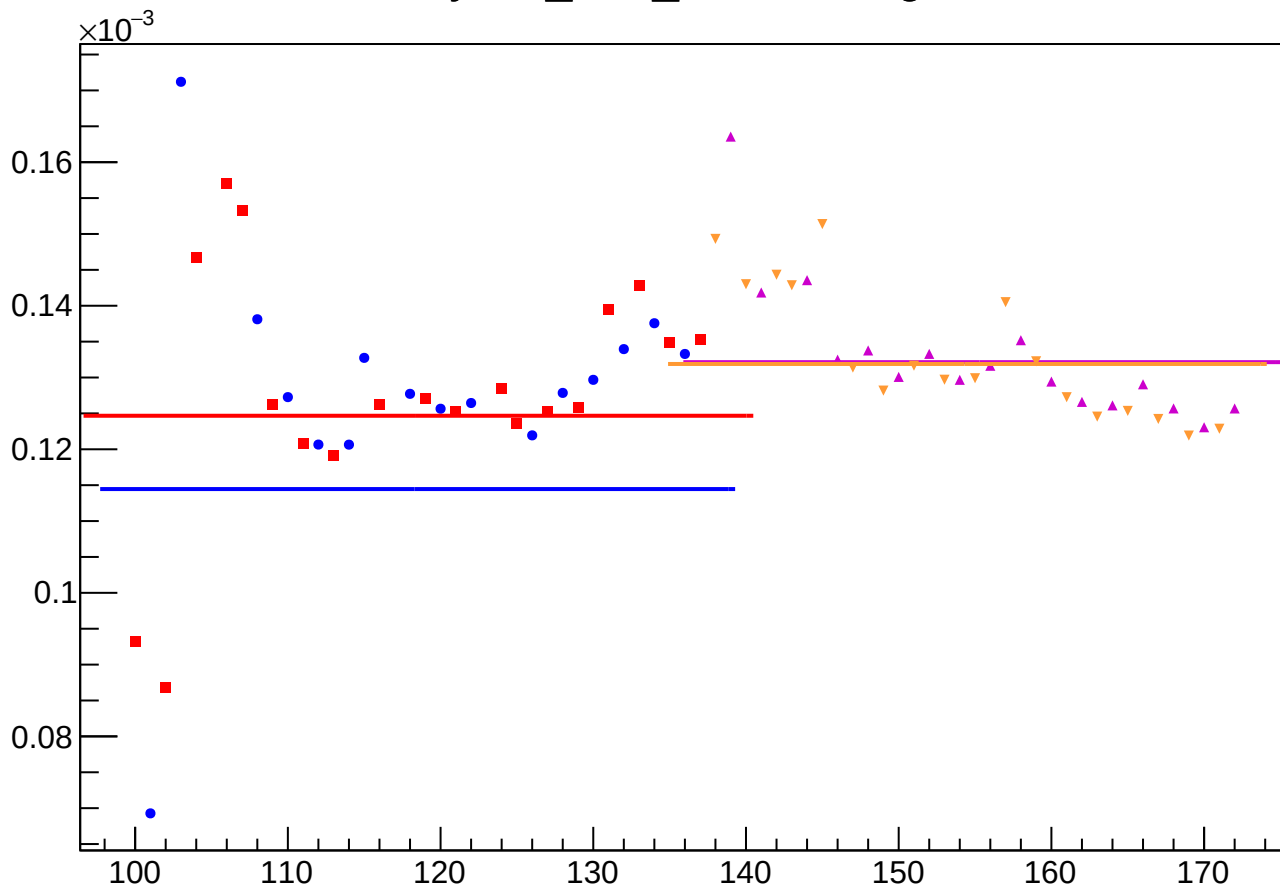
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 265840767.4/16

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 135103358818.6/33

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 190679535790.5

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 53096443900.6/35

yield_atr1_rms vs Slug



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

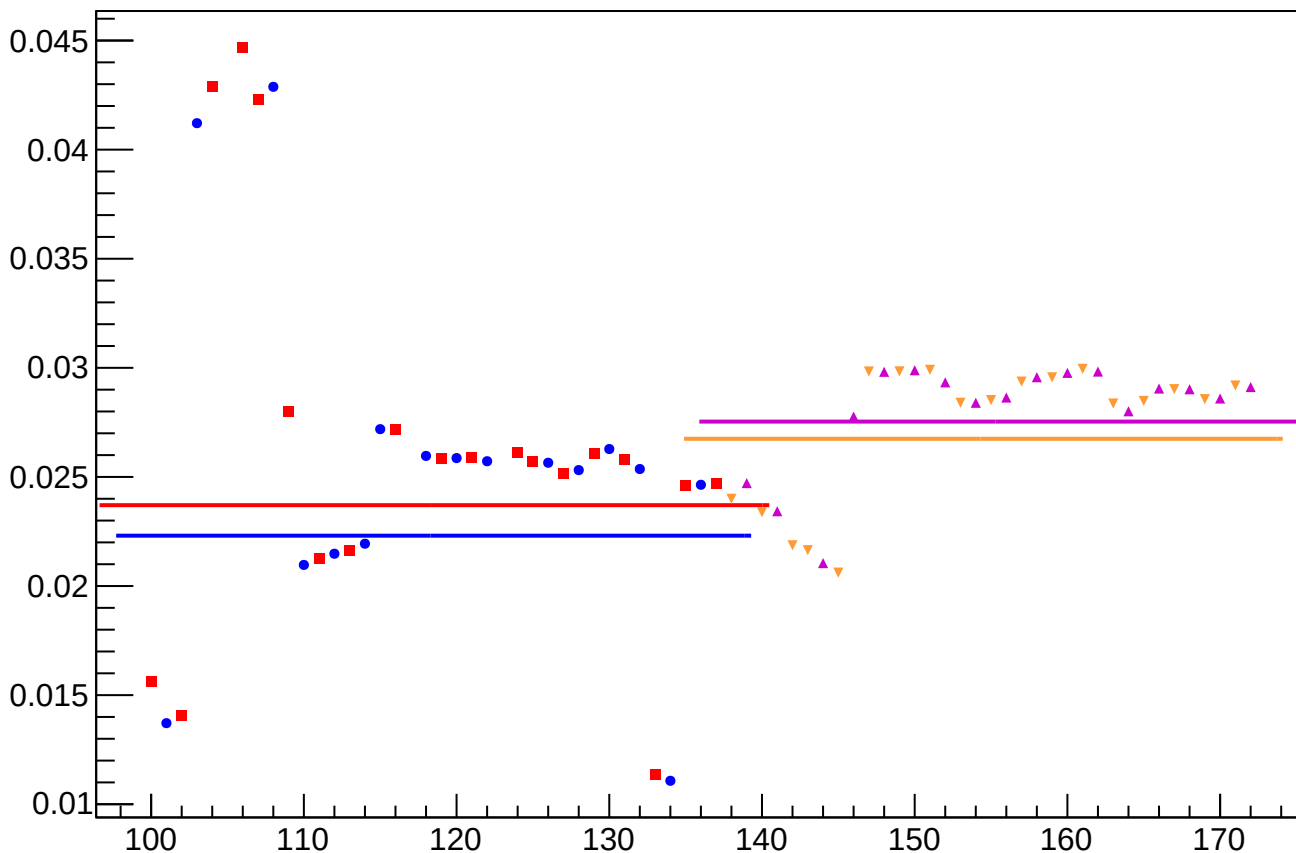
Left In: 0.000+/-0.000 χ^2/NDF :106557.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 1157357.7/33

All: 0.000+/-0.000 χ^2/NDF : 1579672.1/69

- sign 0.000+/-0.000 χ^2/NDF : 398625.0/35

yield_atr2_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5012486114.6/15

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 1926593143.1/17

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5581865088.7/18

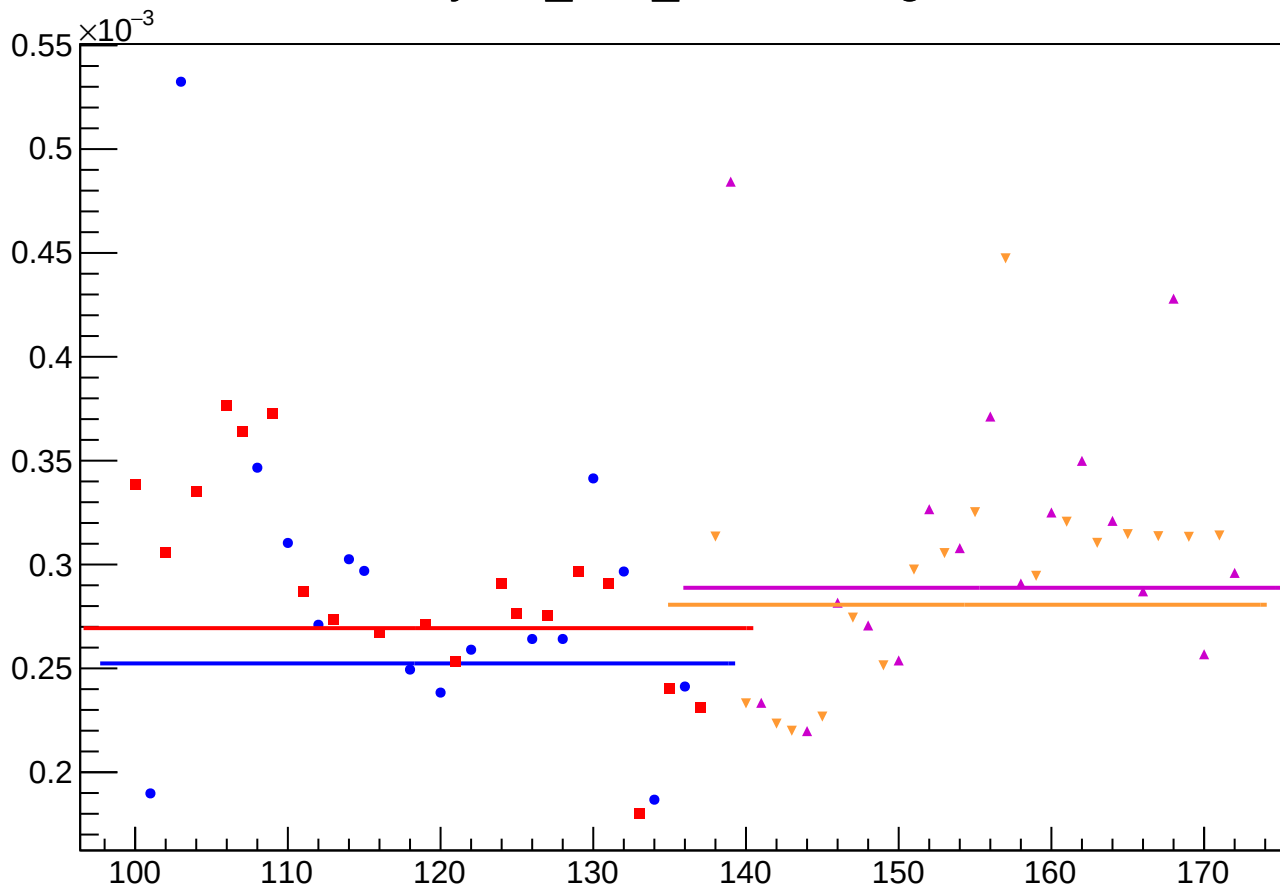
Left In: 0.028 $\pm$ 0.000 χ^2 /NDF: 1315846463.4/16

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 8133261715.8/33

All: 0.026 $\pm$ 0.000 χ^2 /NDF: 15988898446.9/66

- sign 0.026 $\pm$ 0.000 χ^2 /NDF: 7717389185.4/35

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

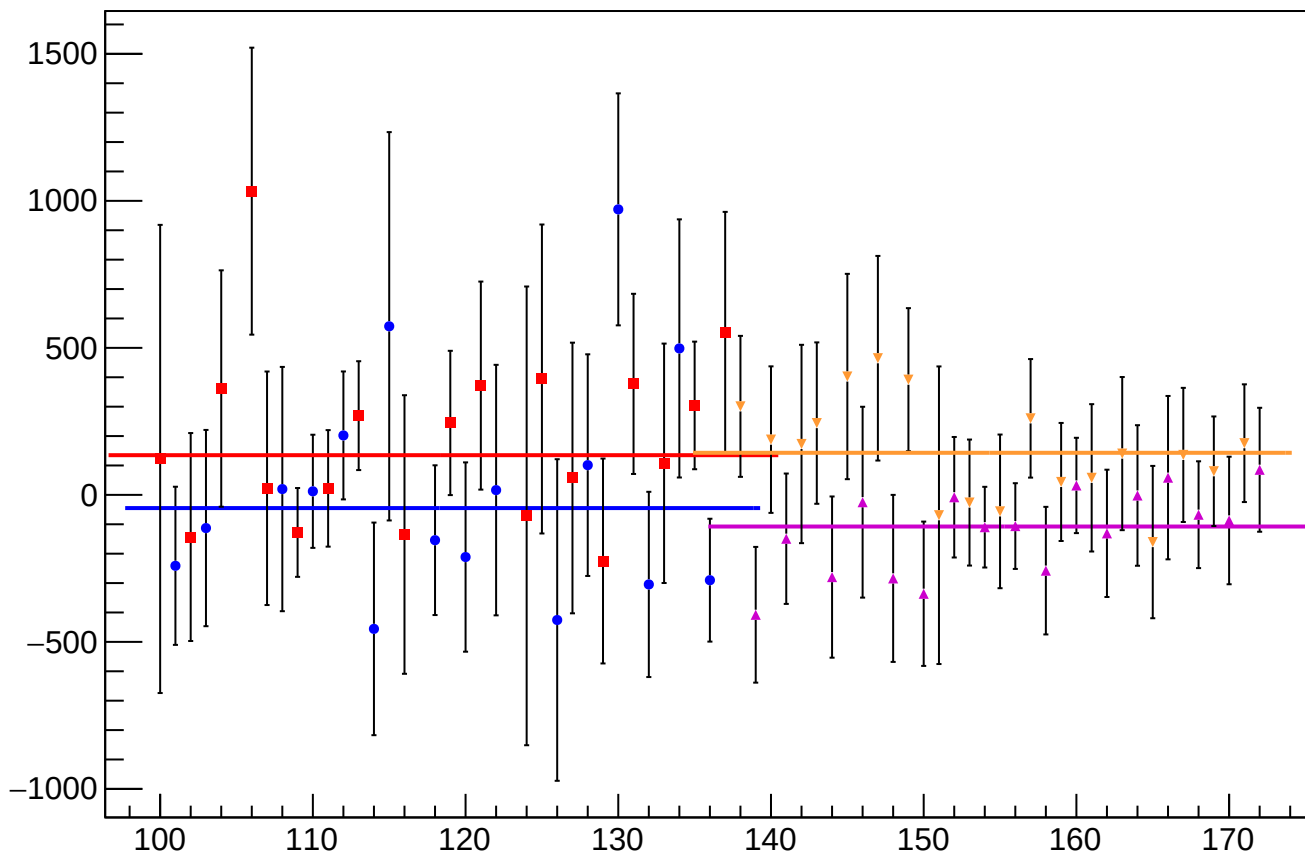
Left In: 0.000+/-0.000 χ^2/NDF : 922846.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 1461012.6/33

All: 0.000+/-0.000 χ^2/NDF : 2906372.4/69

- sign 0.000+/-0.000 χ^2/NDF : 1411371.2/35

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -44.917 ± 76.198 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 143.103 ± 58.007 $\chi^2/\text{NDF}: 6.7/17$

Right Out: 134.996 ± 68.062 $\chi^2/\text{NDF}: 12.9/18$

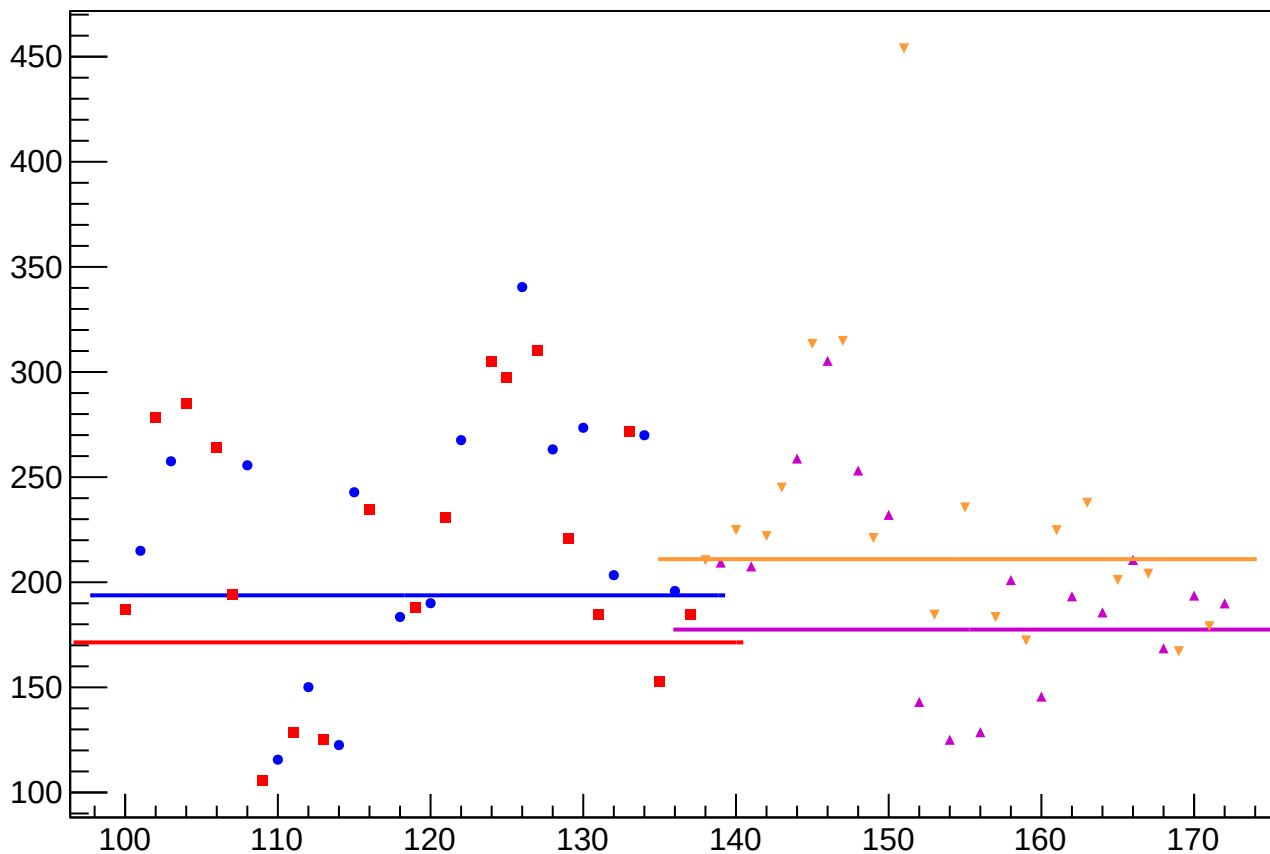
Left In: -107.646 ± 49.999 $\chi^2/\text{NDF}: 6.4/16$

+ sign 74.119 ± 46.155 $\chi^2/\text{NDF}: 26.0/33$

All: 19.234 ± 30.354 $\chi^2/\text{NDF}: 56.0/69$

- sign -22.600 ± 40.295 $\chi^2/\text{NDF}: 27.5/35$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.768 $\pm$ 0.054 χ^2 /NDF: 1048095.1/15

Left Out: 210.980 $\pm$ 0.041 χ^2 /NDF:1206403.8/17

Right Out: 171.382 $\pm$ 0.048 χ^2 /NDF: 1658079.5/18

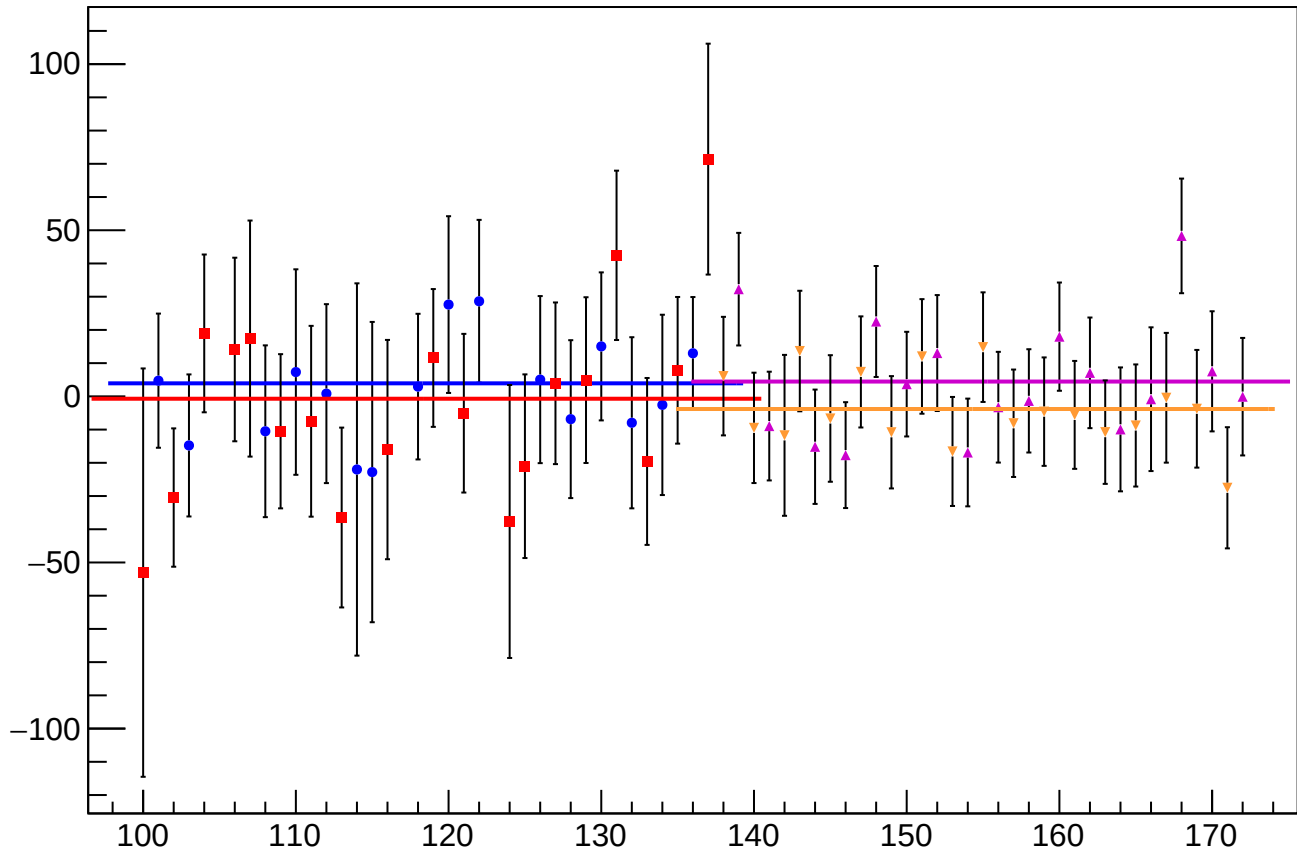
Left In: 177.490 $\pm$ 0.035 χ^2 /NDF:1539654.5/16

+ sign 204.665 $\pm$ 0.033 χ^2 /NDF: 2319104.6/33

All: 188.029 $\pm$ 0.021 χ^2 /NDF: 5985159.6/69

- sign 175.349 $\pm$ 0.028 χ^2 /NDF: 3208197.6/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

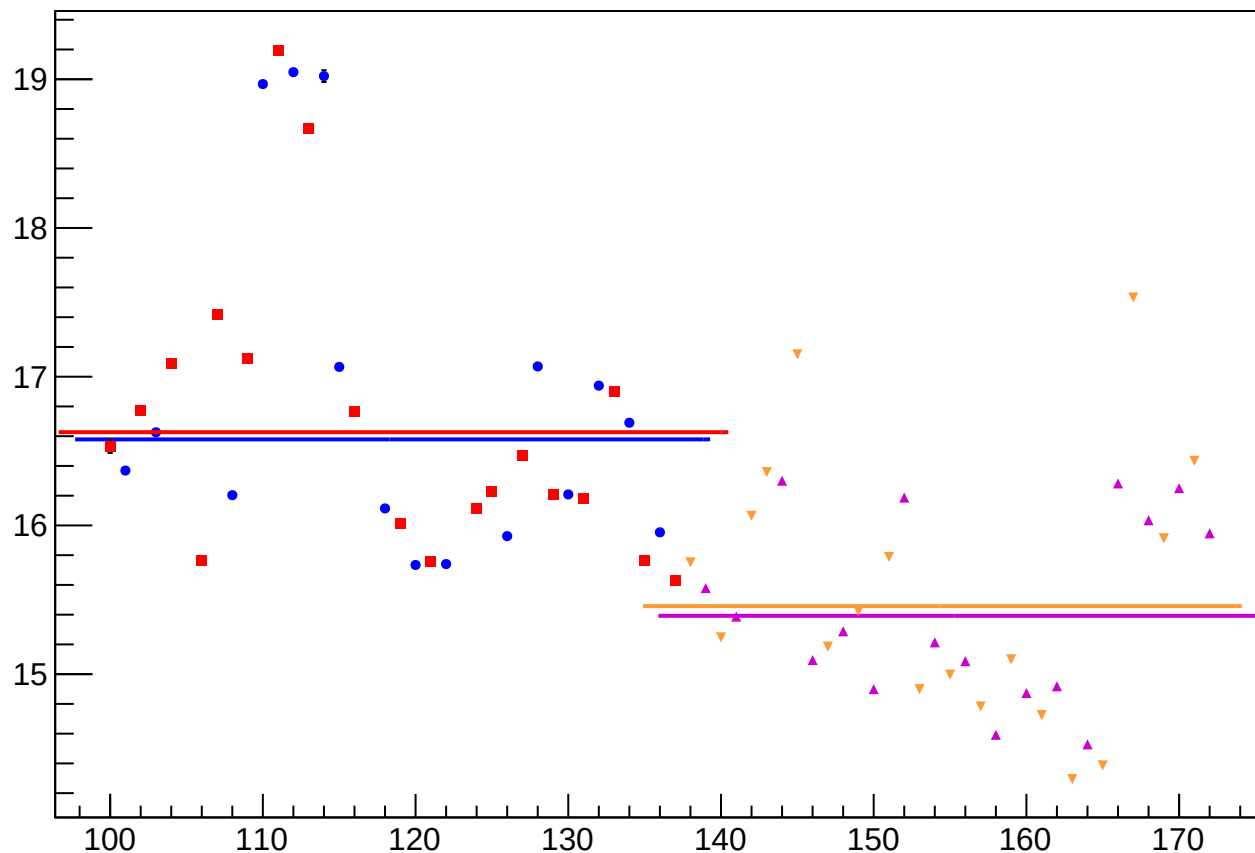
Left In: 4.457 ± 4.118 χ^2/NDF : 18.0/16

+ sign -1.435 ± 3.418 χ^2/NDF : 12.5/33

All: 0.703 ± 2.413 χ^2/NDF : 47.7/69

- sign 2.830 ± 3.409 χ^2/NDF : 34.4/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.579 $\pm$ 0.004 χ^2/NDF : 44575.6/15

Left Out: 15.458 $\pm$ 0.003 χ^2/NDF : 84126.0/17

Right Out: 16.627 $\pm$ 0.004 χ^2/NDF : 43461.8/18

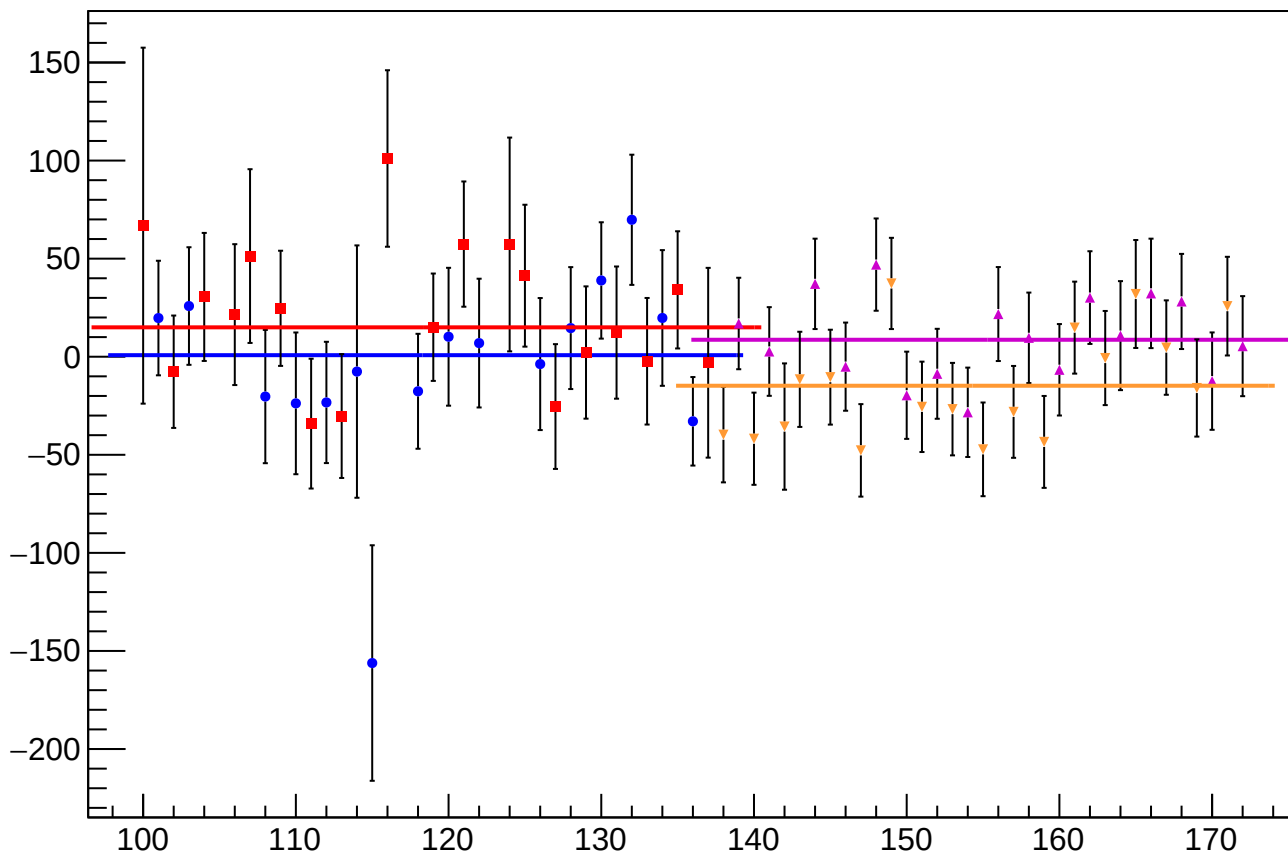
Left In: 15.392 $\pm$ 0.003 χ^2/NDF : 39492.8/16

+ sign 15.801 $\pm$ 0.002 χ^2/NDF : 174450.6/33

All: 15.791 $\pm$ 0.002 χ^2/NDF : 314007.1/69

- sign 15.781 $\pm$ 0.002 χ^2/NDF : 139520.3/35

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



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

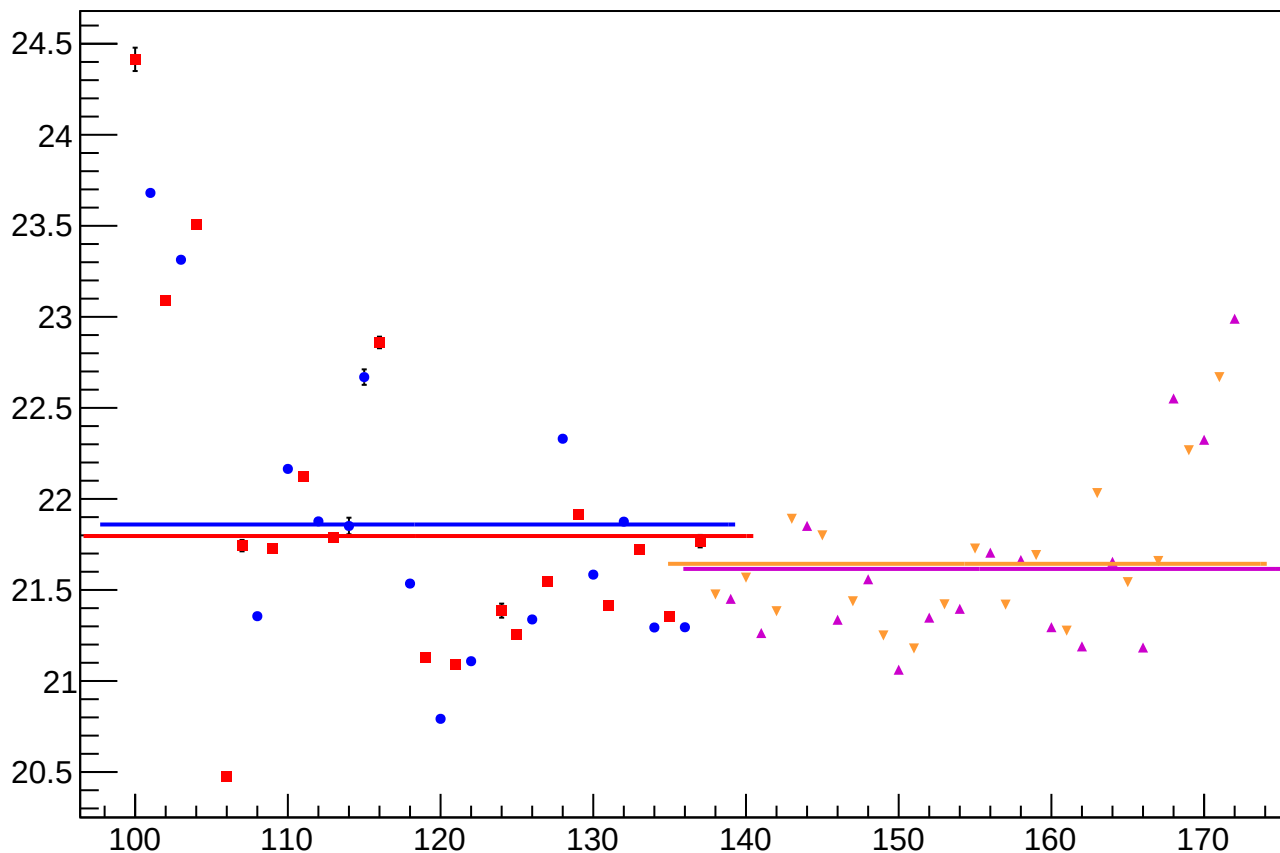
Left In: 8.646 ± 5.772 χ^2/NDF : 13.2/16

+ sign -9.613 ± 4.685 χ^2/NDF : 43.2/33

All: 0.638 ± 3.308 χ^2/NDF : 81.8/69

- sign 10.832 ± 4.672 χ^2/NDF : 29.1/35

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.860 $\pm$ 0.006 χ^2 /NDF: 19468.1/15

Left Out: 21.644 $\pm$ 0.004 χ^2 /NDF: 8103.6/17

Right Out: 21.796 $\pm$ 0.006 χ^2 /NDF: 18861.3/18

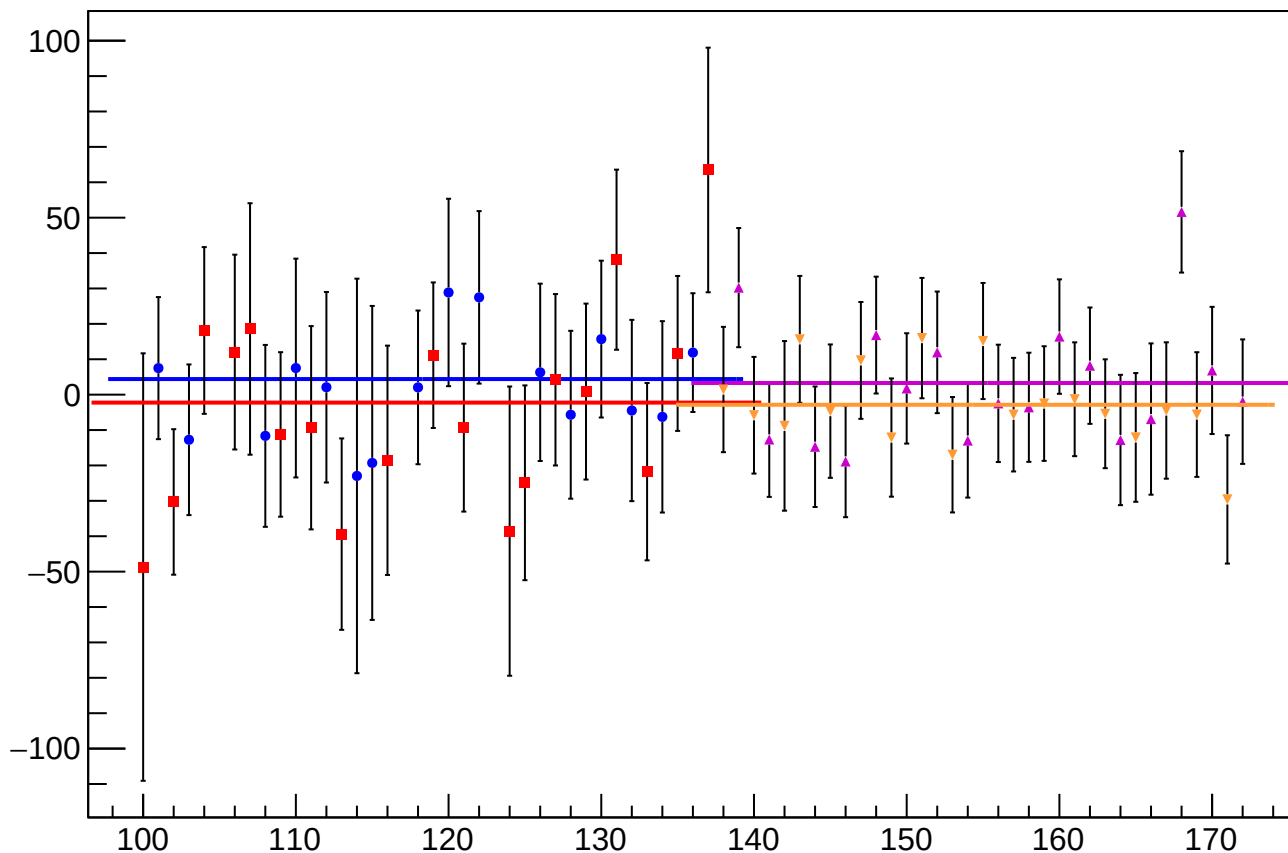
Left In: 21.616 $\pm$ 0.004 χ^2 /NDF: 14776.7/16

+ sign 21.715 $\pm$ 0.003 χ^2 /NDF: 28514.9/33

All: 21.697 $\pm$ 0.002 χ^2 /NDF: 62893.4/69

- sign 21.678 $\pm$ 0.003 χ^2 /NDF: 34314.2/35

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.404 $\pm$ 6.137 χ^2 /NDF: 4.3/15

Left Out: -2.860 $\pm$ 4.065 χ^2 /NDF: 7.8/17

Right Out: -2.244 $\pm$ 6.042 χ^2 /NDF: 15.4/18

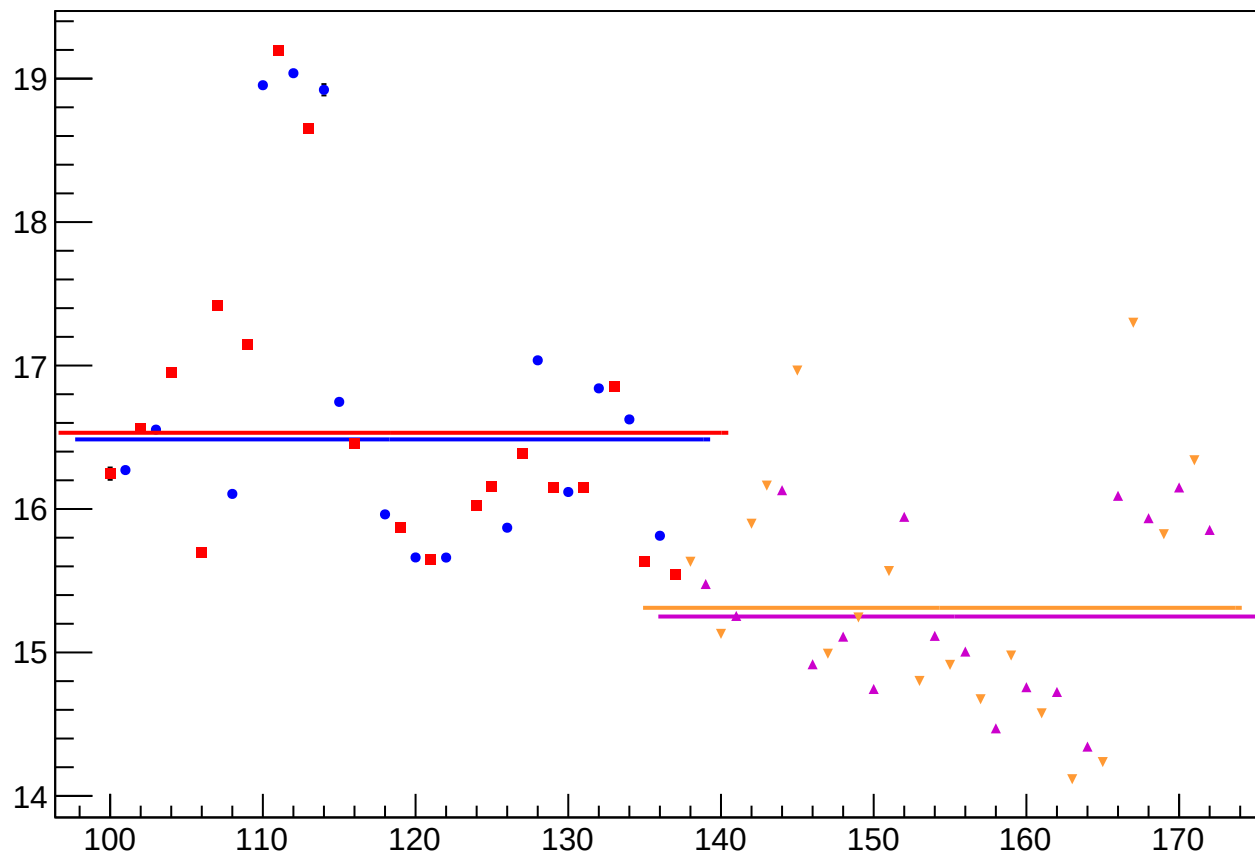
Left In: 3.294 $\pm$ 4.079 χ^2 /NDF: 18.7/16

+ sign -0.645 $\pm$ 3.389 χ^2 /NDF: 13.1/33

All: 0.461 $\pm$ 2.394 χ^2 /NDF: 48.0/69

- sign 1.560 $\pm$ 3.381 χ^2 /NDF: 34.7/35

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.485 ± 0.004 $\chi^2/\text{NDF}: 47186.1/15$

Left Out: 15.311 ± 0.003 $\chi^2/\text{NDF}: 83066.0/17$

Right Out: 16.531 ± 0.004 $\chi^2/\text{NDF}: 46474.0/18$

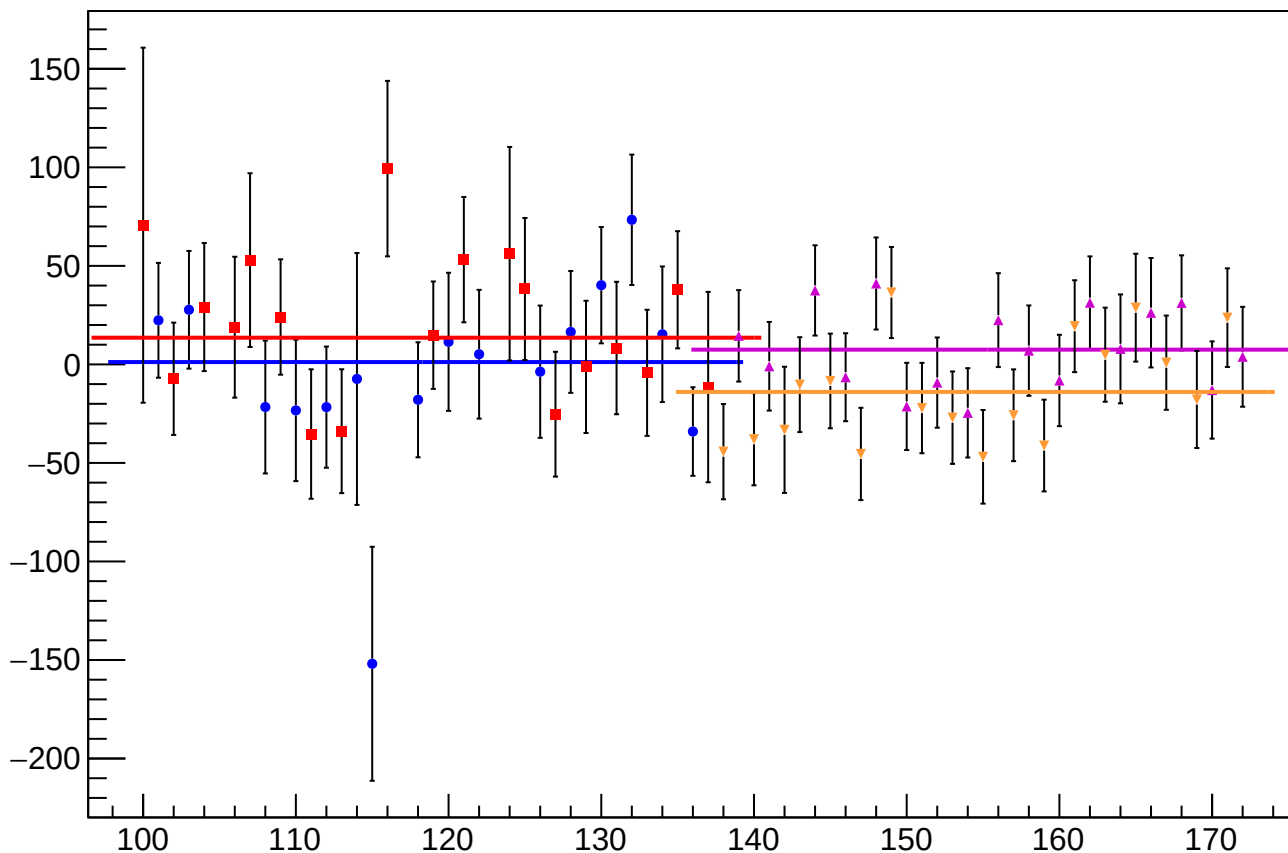
Left In: 15.250 ± 0.003 $\chi^2/\text{NDF}: 40238.0/16$

+ sign 15.669 ± 0.002 $\chi^2/\text{NDF}: 181115.6/33$

All: 15.660 ± 0.002 $\chi^2/\text{NDF}: 329586.3/69$

- sign 15.651 ± 0.002 $\chi^2/\text{NDF}: 148443.4/35$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



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

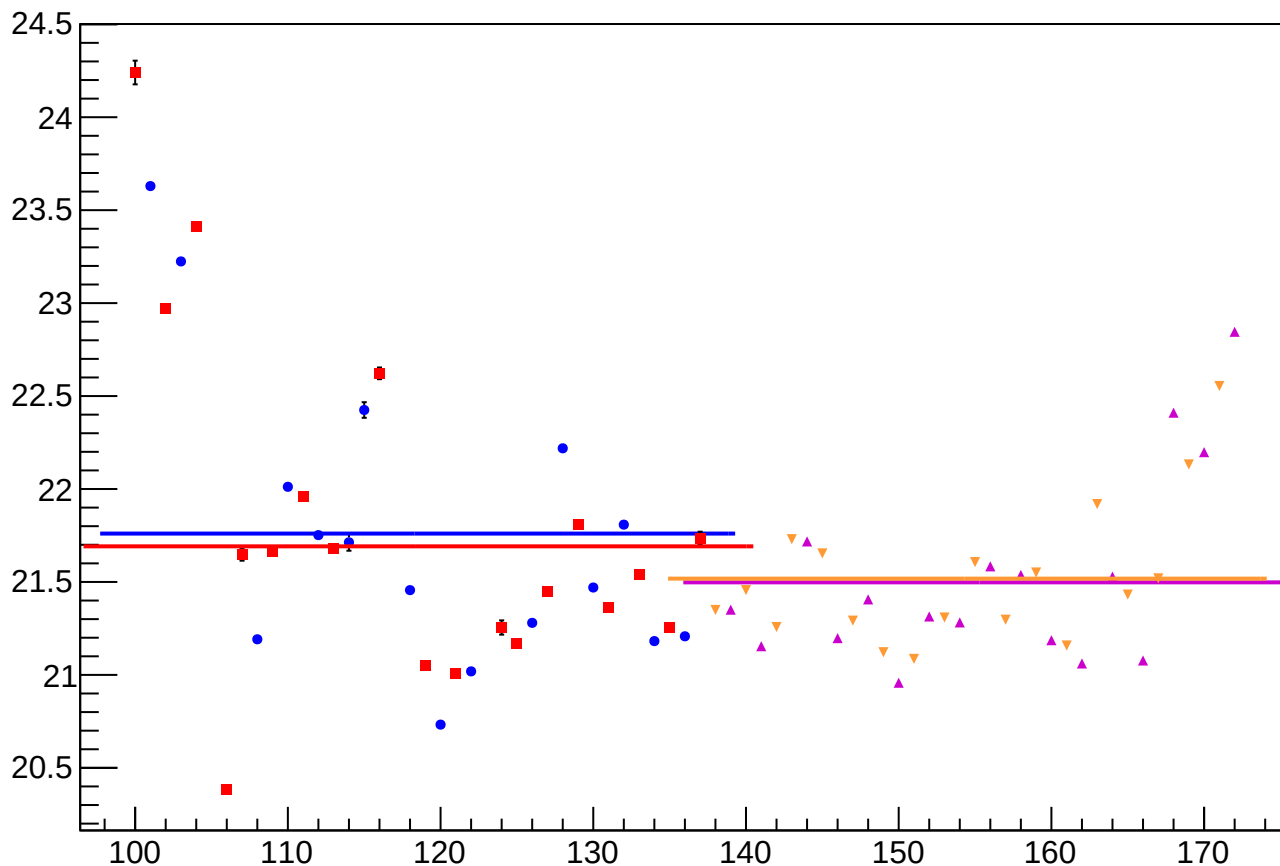
Left In: 7.485 ± 5.741 χ^2/NDF : 12.7/16

+ sign -8.940 ± 4.659 χ^2/NDF : 43.2/33

All: 0.342 ± 3.290 χ^2/NDF : 80.1/69

- sign 9.576 ± 4.647 χ^2/NDF : 29.0/35

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.760 $\pm$ 0.006 χ^2 /NDF: 19745.7/15

Left Out: 21.518 $\pm$ 0.004 χ^2 /NDF: 8049.9/17

Right Out: 21.692 $\pm$ 0.006 χ^2 /NDF: 18330.7/18

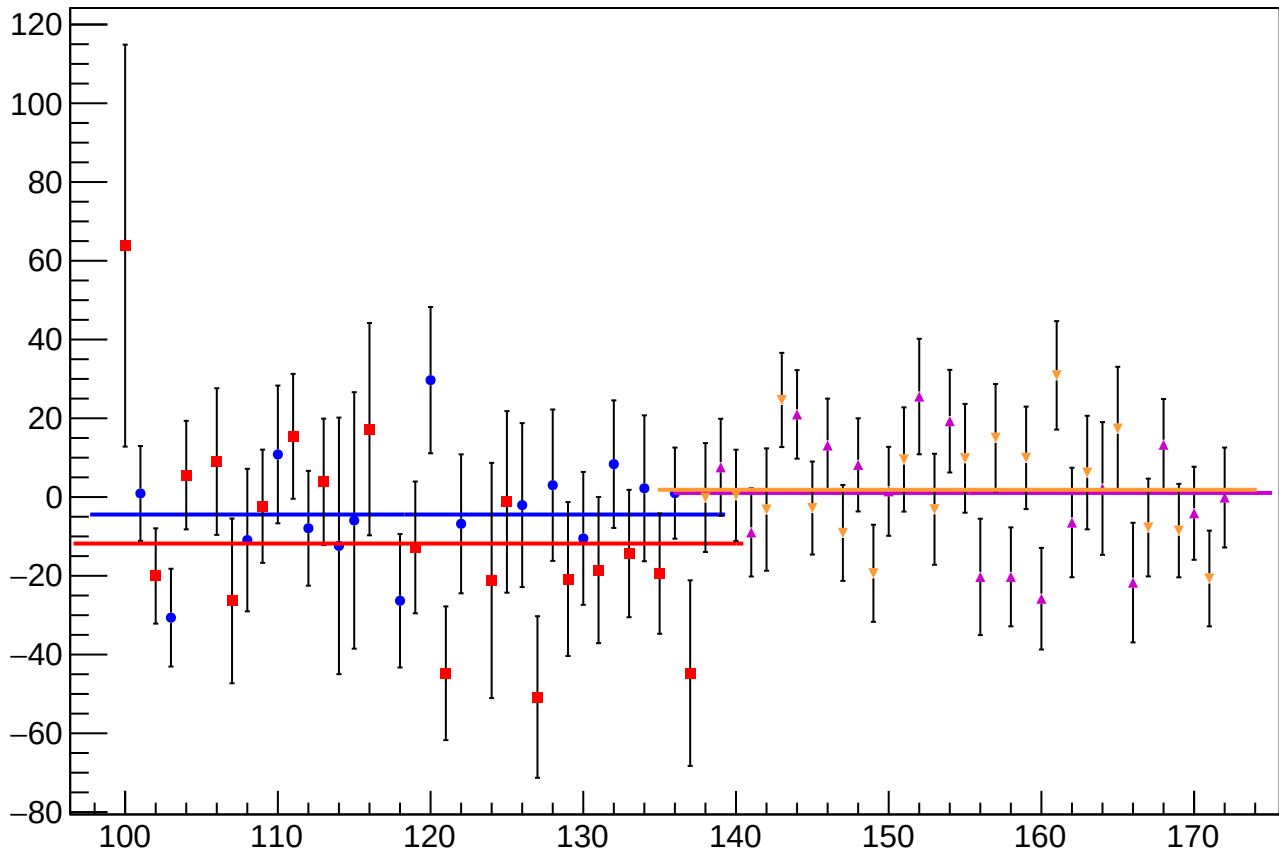
Left In: 21.498 $\pm$ 0.004 χ^2 /NDF: 14304.6/16

+ sign 21.598 $\pm$ 0.003 χ^2 /NDF: 28995.6/33

All: 21.581 $\pm$ 0.002 χ^2 /NDF: 62468.9/69

- sign 21.565 $\pm$ 0.003 χ^2 /NDF: 33420.7/35

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

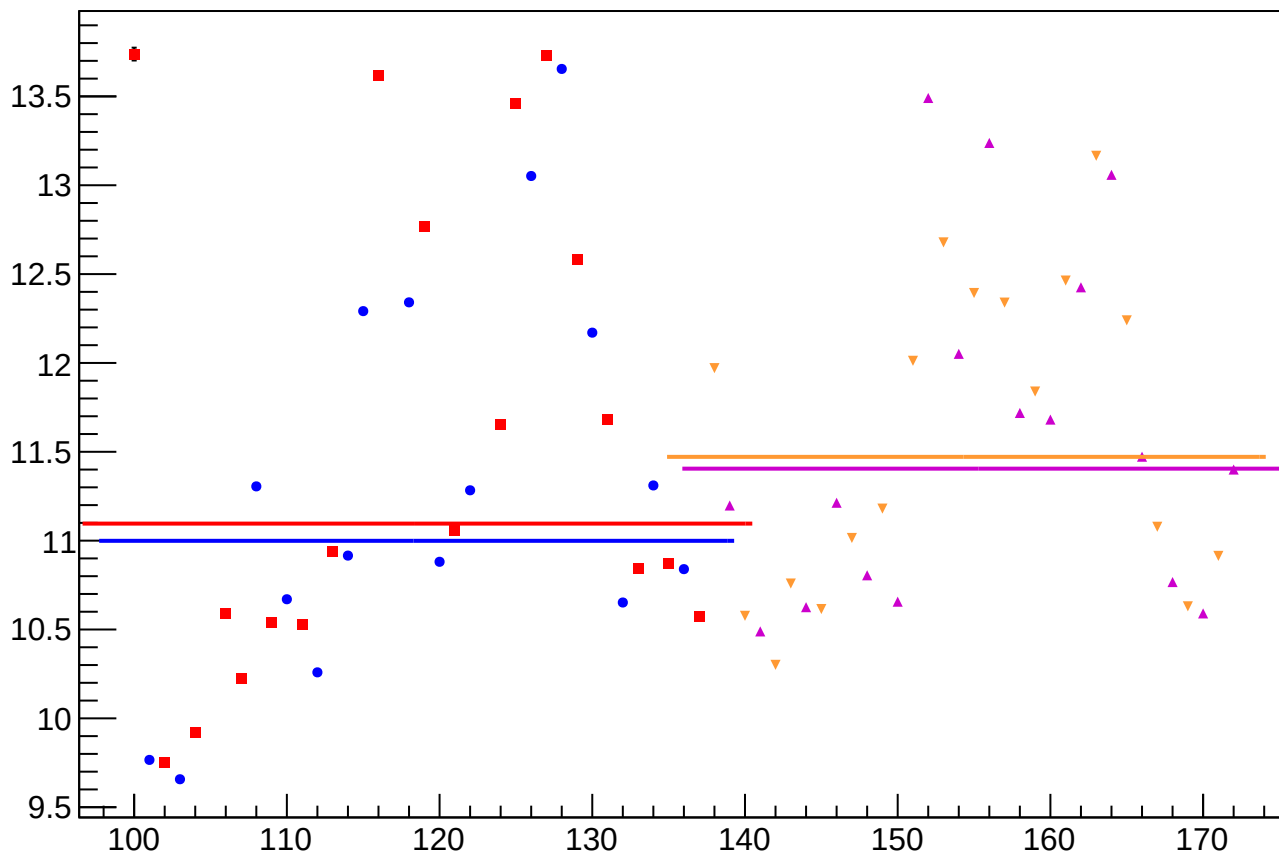
Left In: 1.043 ± 3.075 χ^2/NDF : 23.5/16

+ sign -0.392 ± 2.464 χ^2/NDF : 33.6/33

All: -1.992 ± 1.741 χ^2/NDF : 86.0/69

- sign -3.585 ± 2.459 χ^2/NDF : 51.5/35

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.999 ± 0.003 $\chi^2/\text{NDF}: 136159.2/15$

Left Out: 11.472 ± 0.002 $\chi^2/\text{NDF}: 143071.3/17$

Right Out: 11.096 ± 0.003 $\chi^2/\text{NDF}: 162908.7/18$

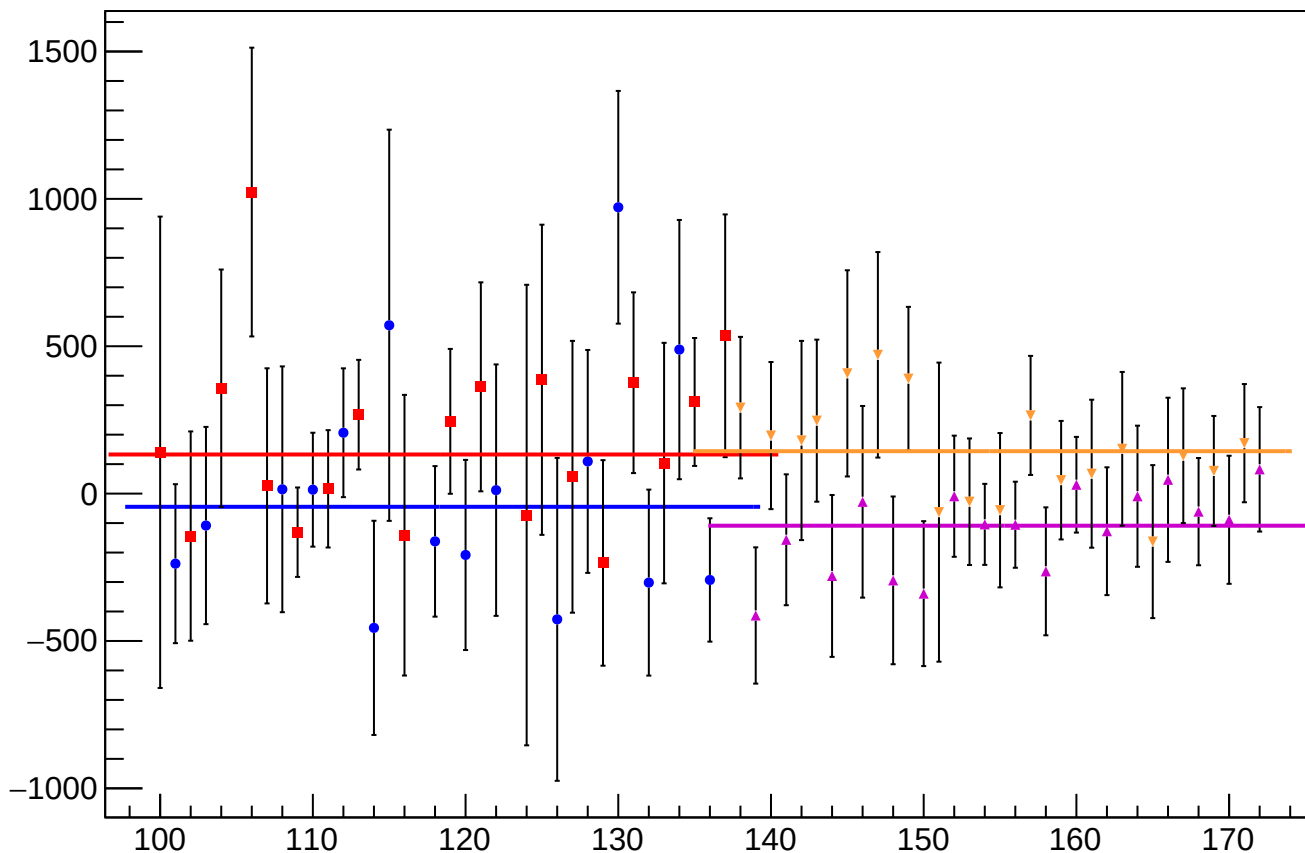
Left In: 11.405 ± 0.002 $\chi^2/\text{NDF}: 161913.4/16$

+ sign 11.303 ± 0.002 $\chi^2/\text{NDF}: 296086.7/33$

All: 11.299 ± 0.001 $\chi^2/\text{NDF}: 628211.7/69$

- sign 11.294 ± 0.002 $\chi^2/\text{NDF}: 332109.8/35$

asym_bcm_an_us_bcm_an_ds3_agg_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

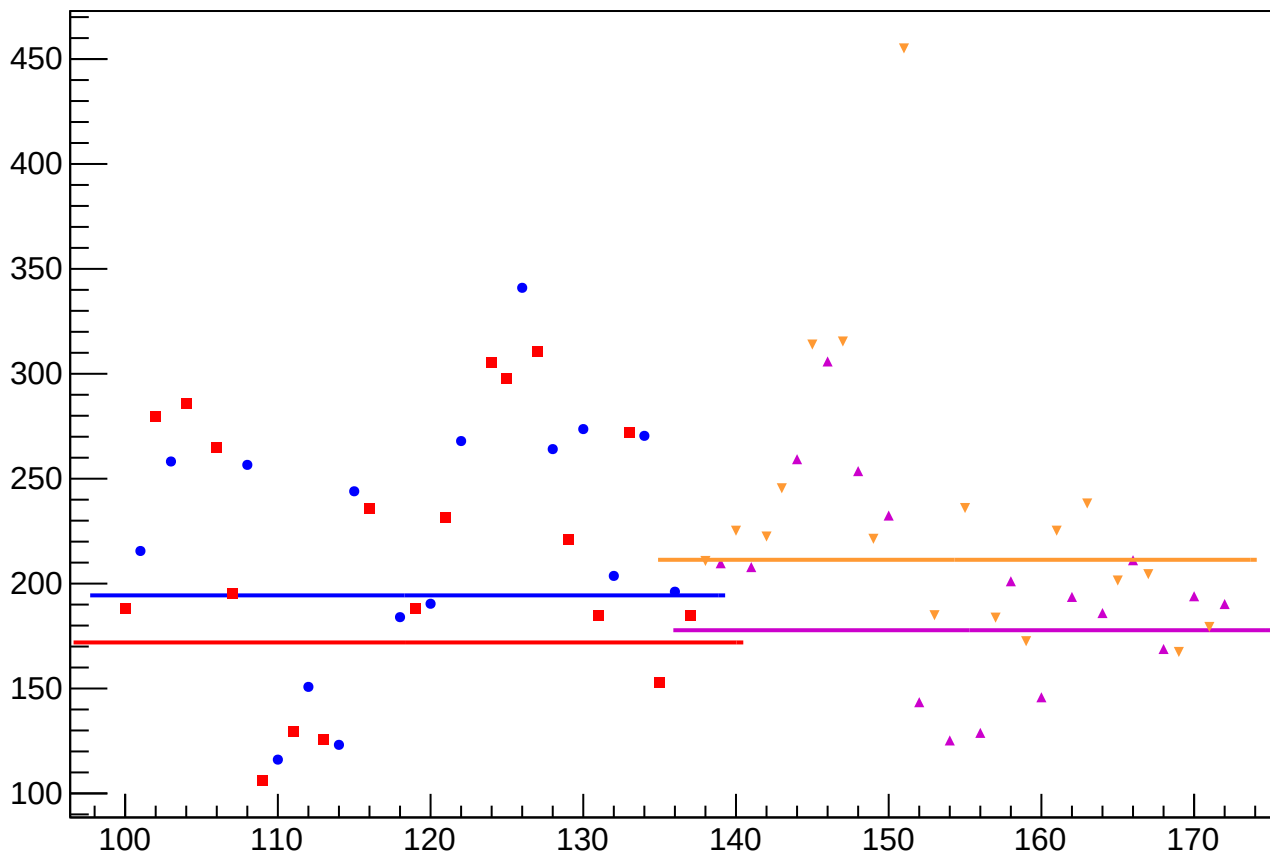
Left In: -108.904 ± 50.081 χ^2/NDF : 6.4/16

+ sign 74.784 ± 46.257 χ^2/NDF : 26.0/33

All: 18.515 ± 30.420 χ^2/NDF : 56.0/69

- sign -24.367 ± 40.381 χ^2/NDF : 27.4/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.385 $\pm$ 0.054 χ^2 /NDF: 1042024.1/15

Left Out: 211.348 $\pm$ 0.041 χ^2 /NDF:1207541.4/17

Right Out: 171.949 $\pm$ 0.048 χ^2 /NDF: 1651343.7/18

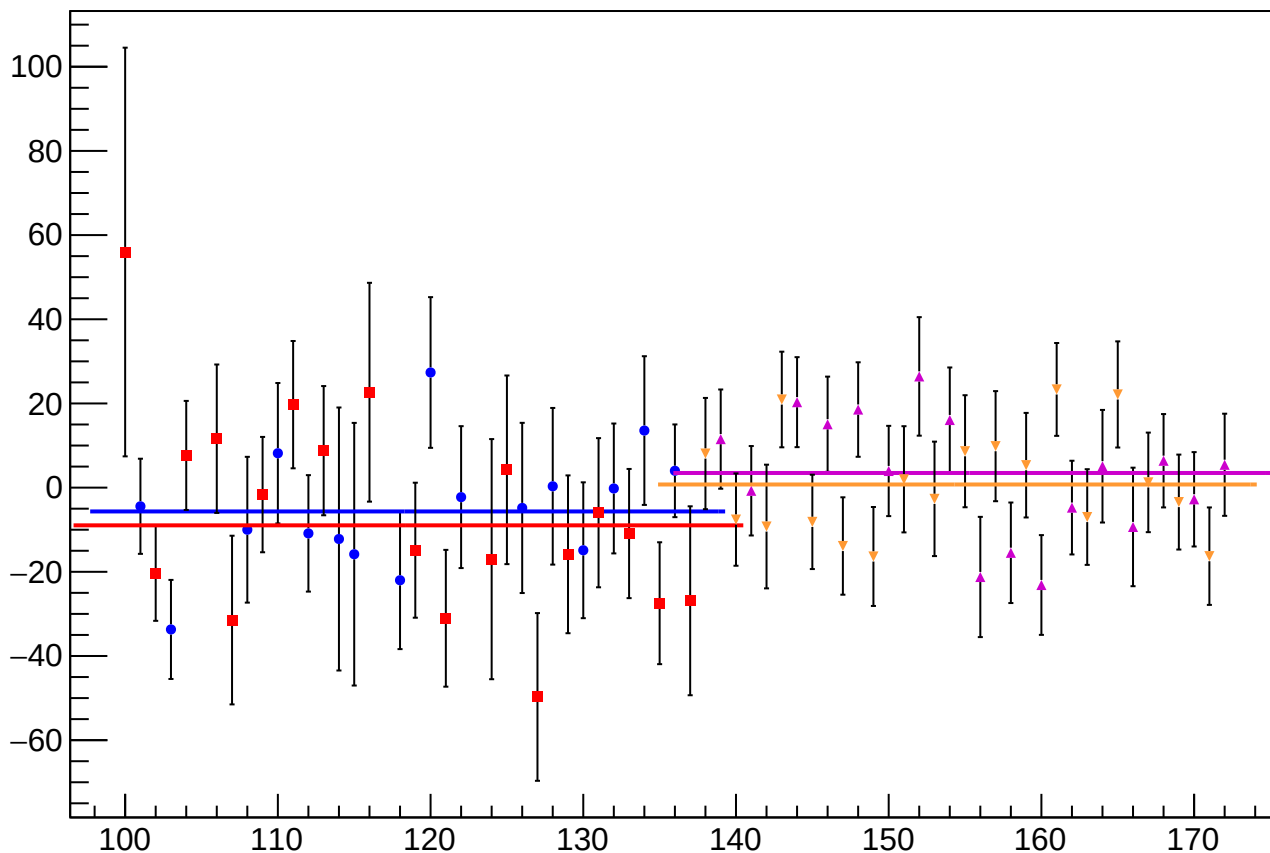
Left In: 177.777 $\pm$ 0.035 χ^2 /NDF:1540049.1/16

+ sign 205.133 $\pm$ 0.033 χ^2 /NDF: 2311996.9/33

All: 188.451 $\pm$ 0.022 χ^2 /NDF: 5971230.9/69

- sign 175.738 $\pm$ 0.029 χ^2 /NDF: 3200870.5/35

asym_bcm_an_us_bcm_an_ds3_agg_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

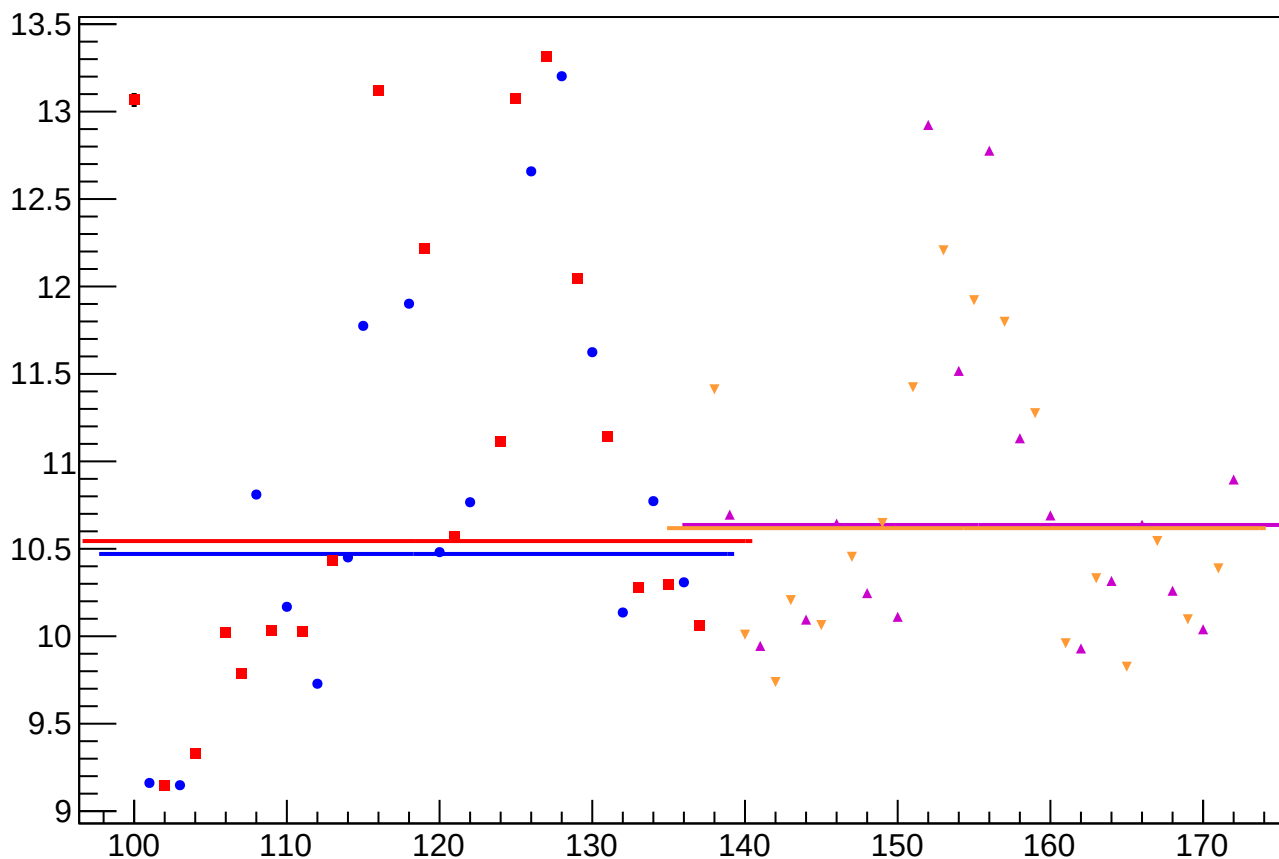
Left In: 3.481 ± 2.871 χ^2/NDF : 22.0/16

+ sign -1.449 ± 2.307 χ^2/NDF : 35.1/33

All: -1.170 ± 1.633 χ^2/NDF : 86.5/69

- sign -0.890 ± 2.312 χ^2/NDF : 51.4/35

asym_bcm_an_us_bcm_an_ds3_agg_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

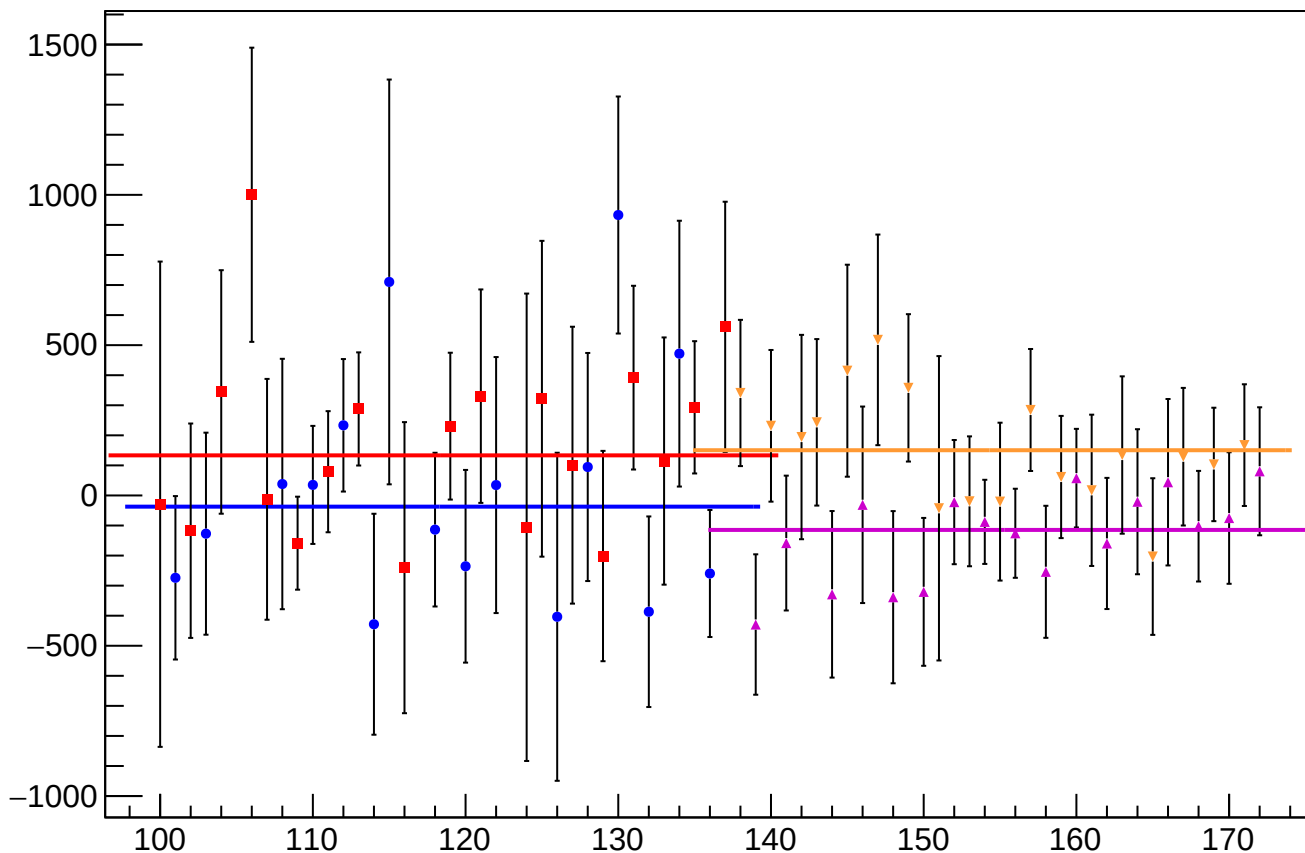
Left In: 10.636+/-0.002 χ^2/NDF : 150070.9/16

+ sign 10.568+/-0.002 χ^2/NDF : 285638.1/33

All: 10.586+/-0.001 χ^2/NDF : 623461.1/69

- sign 10.604+/-0.002 χ^2/NDF : 337573.3/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -37.241 $\pm$ 76.915 χ^2 /NDF: 15.6/15

Left Out: 150.454 $\pm$ 58.505 χ^2 /NDF: 7.2/17

Right Out: 133.386 $\pm$ 68.885 χ^2 /NDF: 12.9/18

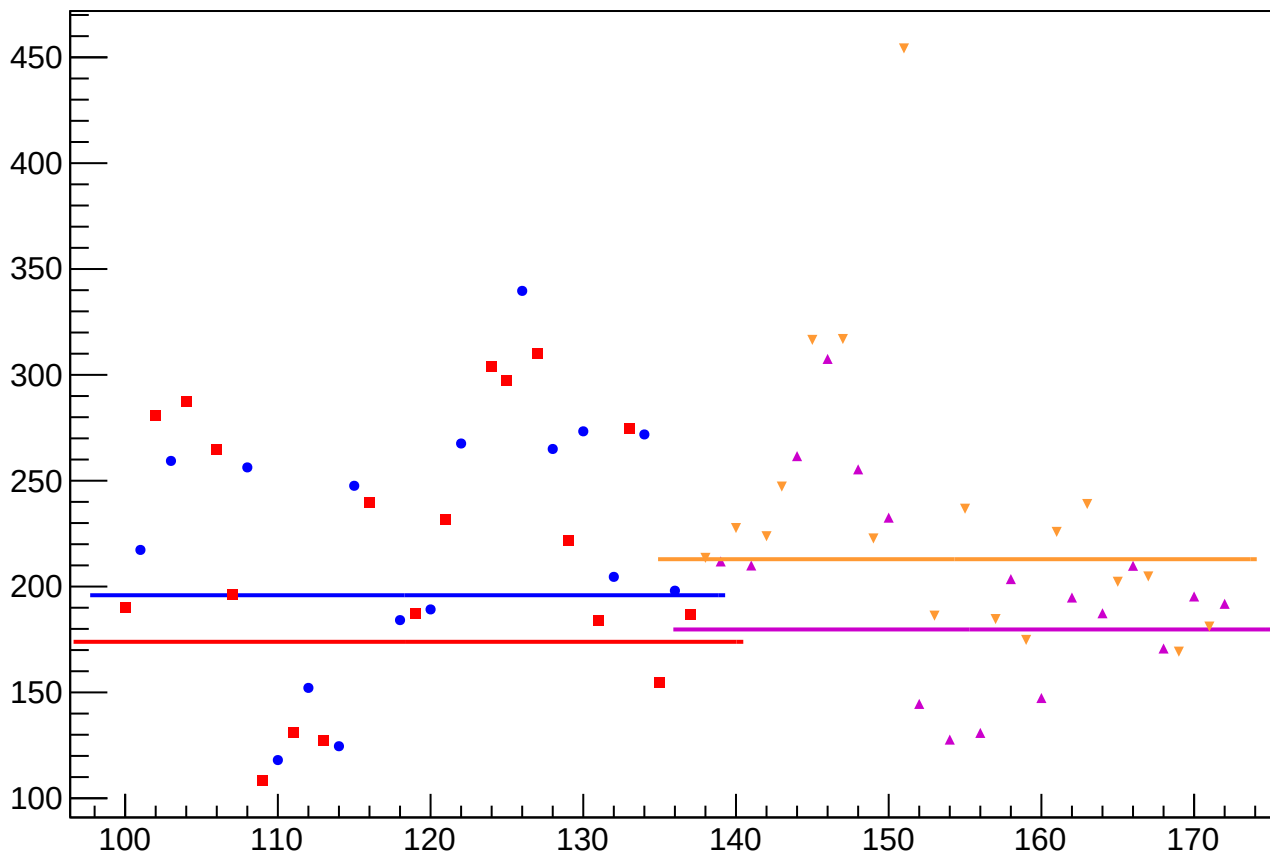
Left In: -114.666 $\pm$ 50.569 χ^2 /NDF: 7.0/16

+ sign 81.660 $\pm$ 46.565 χ^2 /NDF: 26.7/33

All: 19.690 $\pm$ 30.672 χ^2 /NDF: 58.1/69

- sign -27.802 $\pm$ 40.764 χ^2 /NDF: 28.3/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.900 $\pm$ 0.054 χ^2 /NDF: 1011012.3/15

Left Out: 212.923 $\pm$ 0.041 χ^2 /NDF:1189688.7/17

Right Out: 173.901 $\pm$ 0.049 χ^2 /NDF: 1599608.1/18

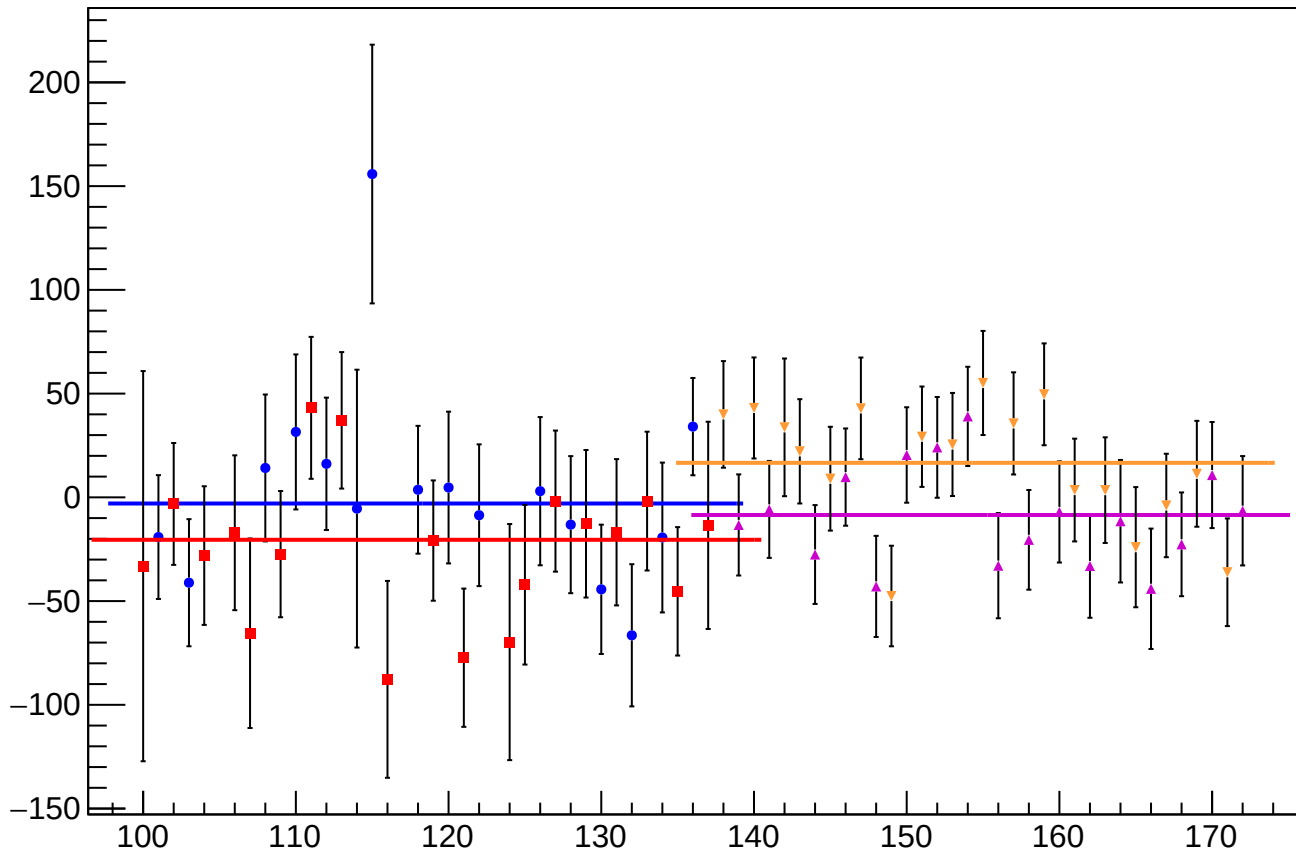
Left In: 179.733 $\pm$ 0.036 χ^2 /NDF:1496361.7/16

+ sign 206.684 $\pm$ 0.033 χ^2 /NDF: 2262765.4/33

All: 190.270 $\pm$ 0.022 χ^2 /NDF: 5807004.3/69

- sign 177.691 $\pm$ 0.029 χ^2 /NDF: 3105282.3/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



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

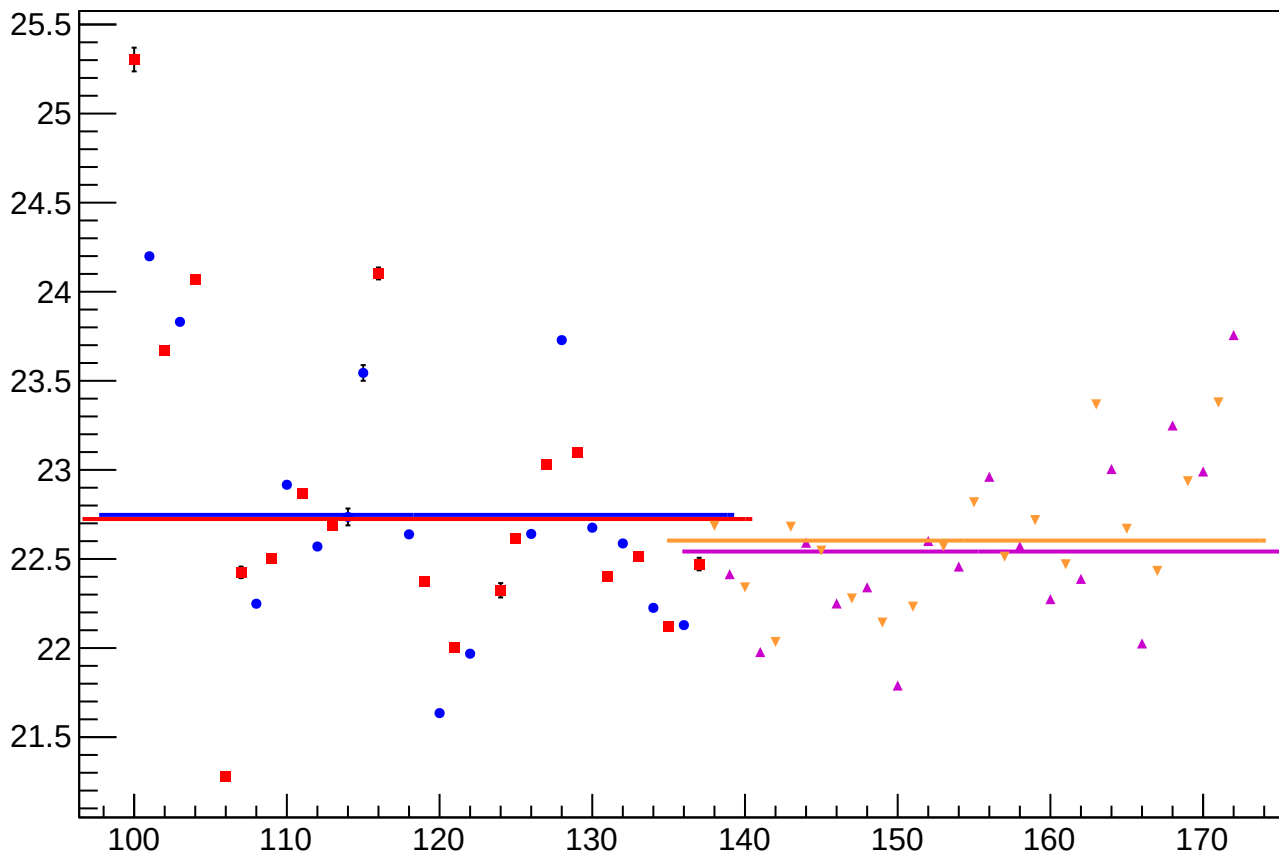
Left In: -8.508 ± 6.020 χ^2/NDF : 15.2/16

+ sign 10.084 ± 4.887 χ^2/NDF : 44.6/33

All: -1.310 ± 3.450 χ^2/NDF : 87.3/69

- sign -12.632 ± 4.872 χ^2/NDF : 31.8/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.747 $\pm$ 0.006 χ^2 /NDF: 14622.8/15

Left Out: 22.603 $\pm$ 0.004 χ^2 /NDF: 6729.5/17

Right Out: 22.724 $\pm$ 0.006 χ^2 /NDF: 14490.6/18

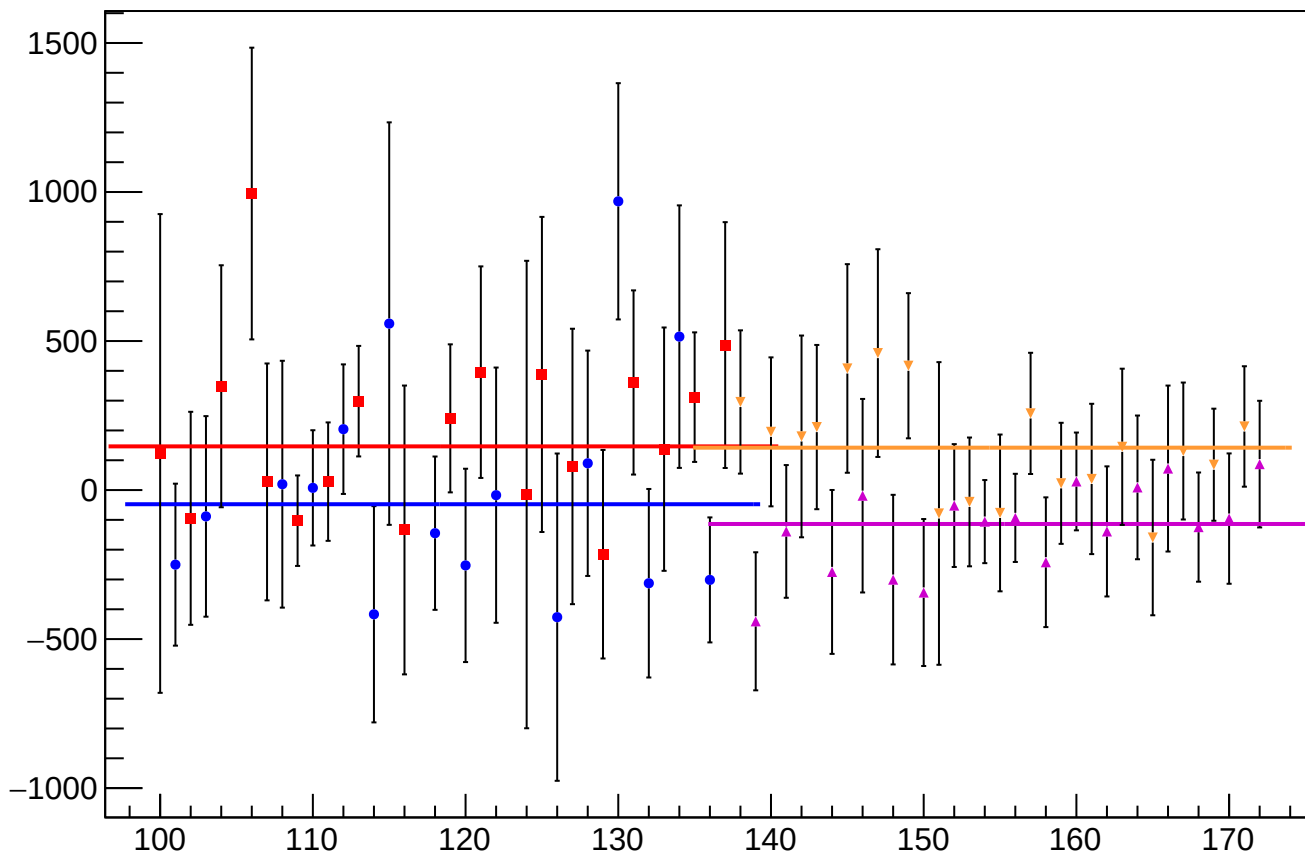
Left In: 22.542 $\pm$ 0.004 χ^2 /NDF: 12311.8/16

+ sign 22.651 $\pm$ 0.003 χ^2 /NDF: 21739.8/33

All: 22.628 $\pm$ 0.002 χ^2 /NDF: 49268.1/69

- sign 22.605 $\pm$ 0.003 χ^2 /NDF: 27436.7/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -47.523 ± 76.571 χ^2/NDF : 15.4/15

Left Out: 142.207 ± 58.384 χ^2/NDF : 7.2/17

Right Out: 146.573 ± 68.398 χ^2/NDF : 11.6/18

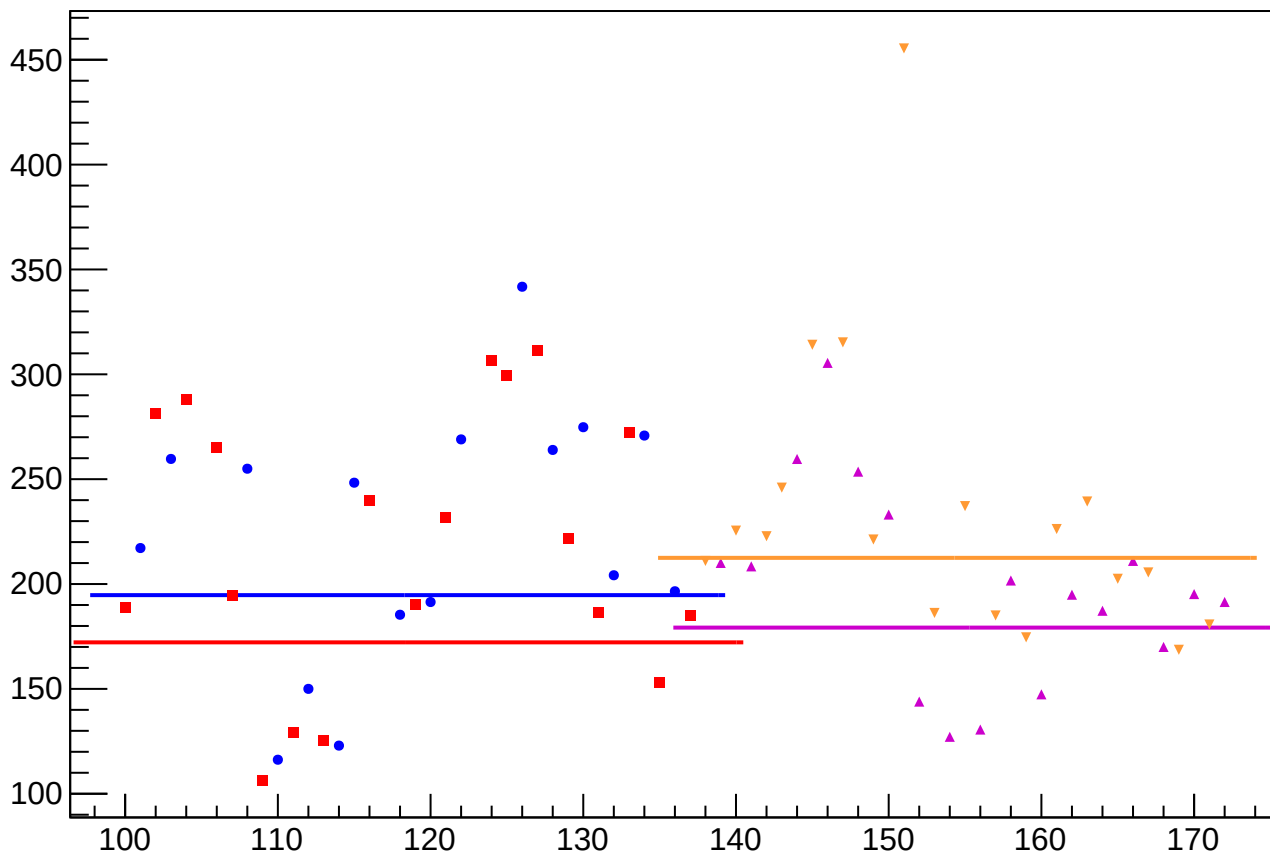
Left In: -113.826 ± 50.427 χ^2/NDF : 6.6/16

+ sign 72.454 ± 46.428 χ^2/NDF : 26.5/33

All: 18.844 ± 30.558 χ^2/NDF : 56.4/69

- sign -22.129 ± 40.588 χ^2/NDF : 27.5/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.708 $\pm$ 0.054 χ^2 /NDF: 1052288.9/15

Left Out: 212.486 $\pm$ 0.041 χ^2 /NDF:1182881.7/17

Right Out: 172.186 $\pm$ 0.048 χ^2 /NDF: 1671068.3/18

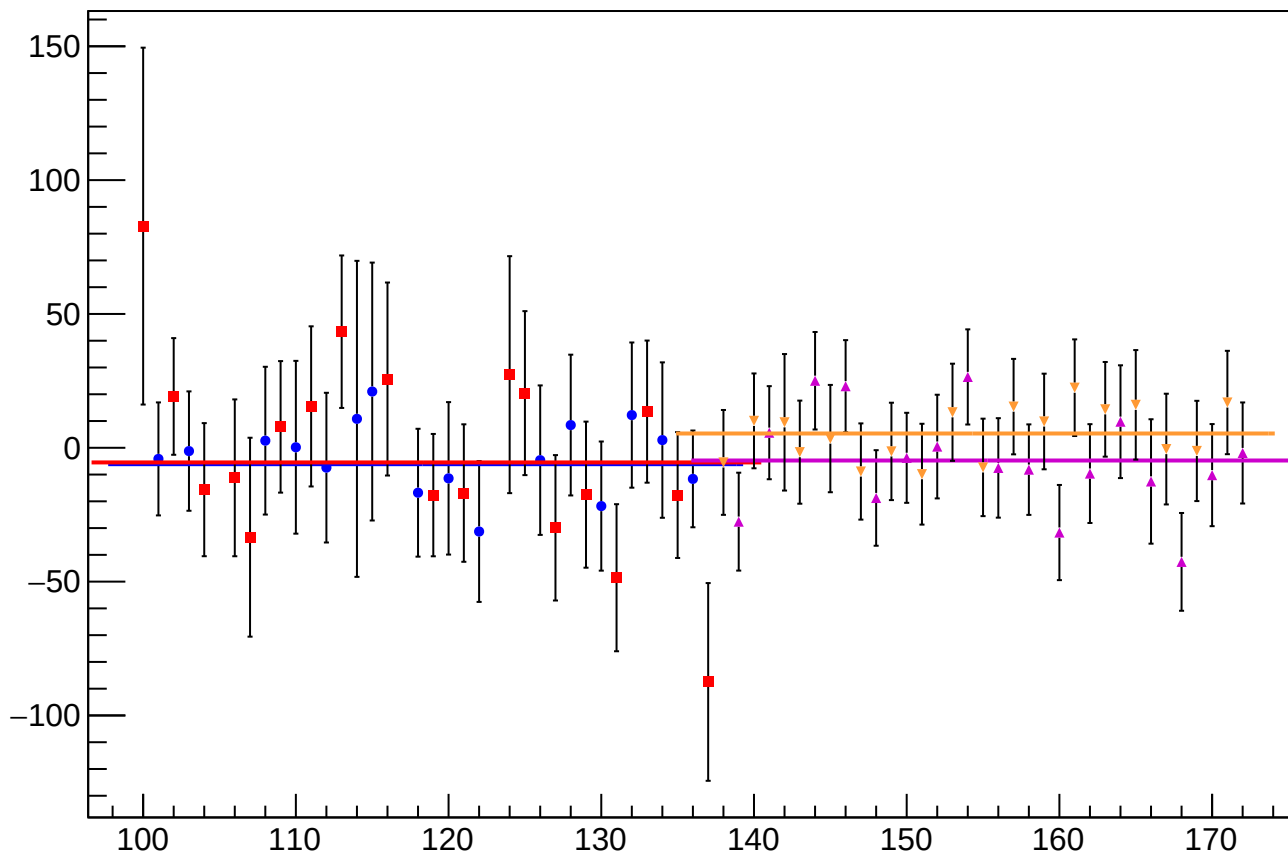
Left In: 179.222 $\pm$ 0.036 χ^2 /NDF:1486651.8/16

+ sign 205.950 $\pm$ 0.033 χ^2 /NDF: 2303343.3/33

All: 189.396 $\pm$ 0.022 χ^2 /NDF: 5923353.5/69

- sign 176.744 $\pm$ 0.029 χ^2 /NDF: 3171430.3/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.119 $\pm$ 6.592 χ^2/NDF : 3.1/15

Left Out: 5.341 $\pm$ 4.458 χ^2/NDF : 5.0/17

Right Out: -5.470 $\pm$ 6.509 χ^2/NDF : 19.2/18

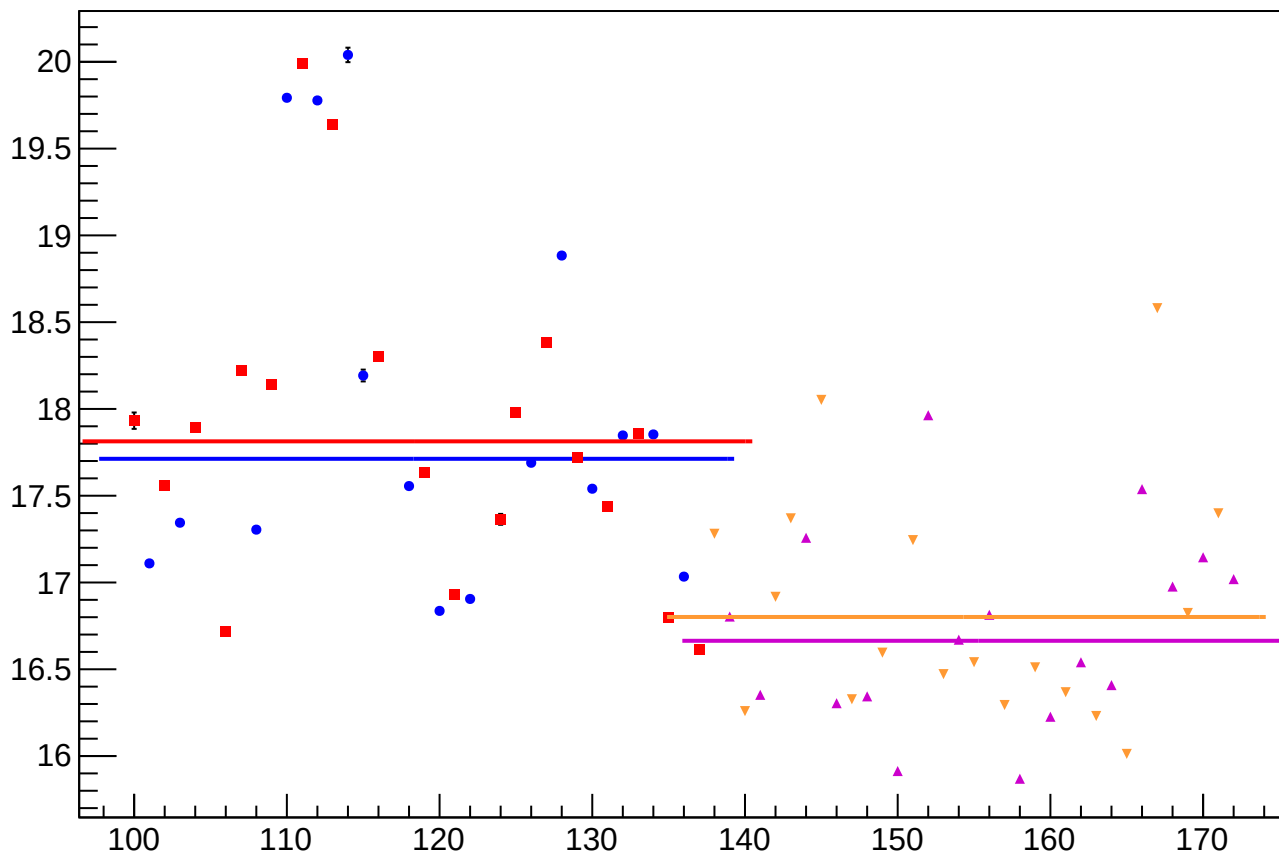
Left In: -4.750 $\pm$ 4.457 χ^2/NDF : 18.4/16

+ sign 1.744 $\pm$ 3.693 χ^2/NDF : 10.2/33

All: -1.632 $\pm$ 2.606 χ^2/NDF : 49.4/69

- sign -4.979 $\pm$ 3.677 χ^2/NDF : 37.6/35

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

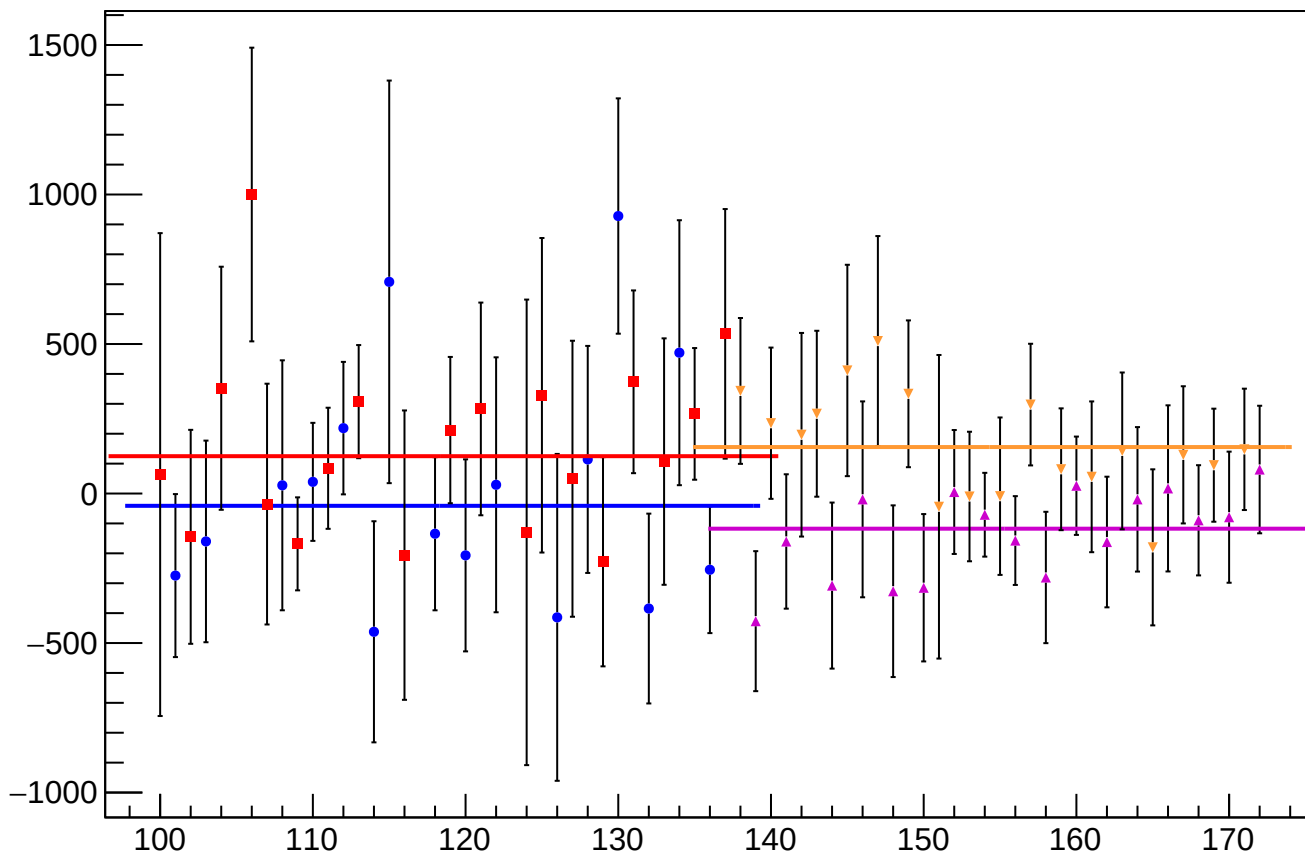
Left In: 16.664+/-0.003 χ^2/NDF : 28926.5/16

+ sign 17.087+/-0.003 χ^2/NDF : 103744.8/33

All: 17.059+/-0.002 χ^2/NDF : 208060.9/69

- sign 17.031+/-0.003 χ^2/NDF : 104081.9/35

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -41.114 $\pm$ 77.139 χ^2/NDF : 15.6/15

Left Out: 155.399 $\pm$ 58.633 χ^2/NDF : 6.6/17

Right Out: 124.872 $\pm$ 69.109 χ^2/NDF : 12.9/18

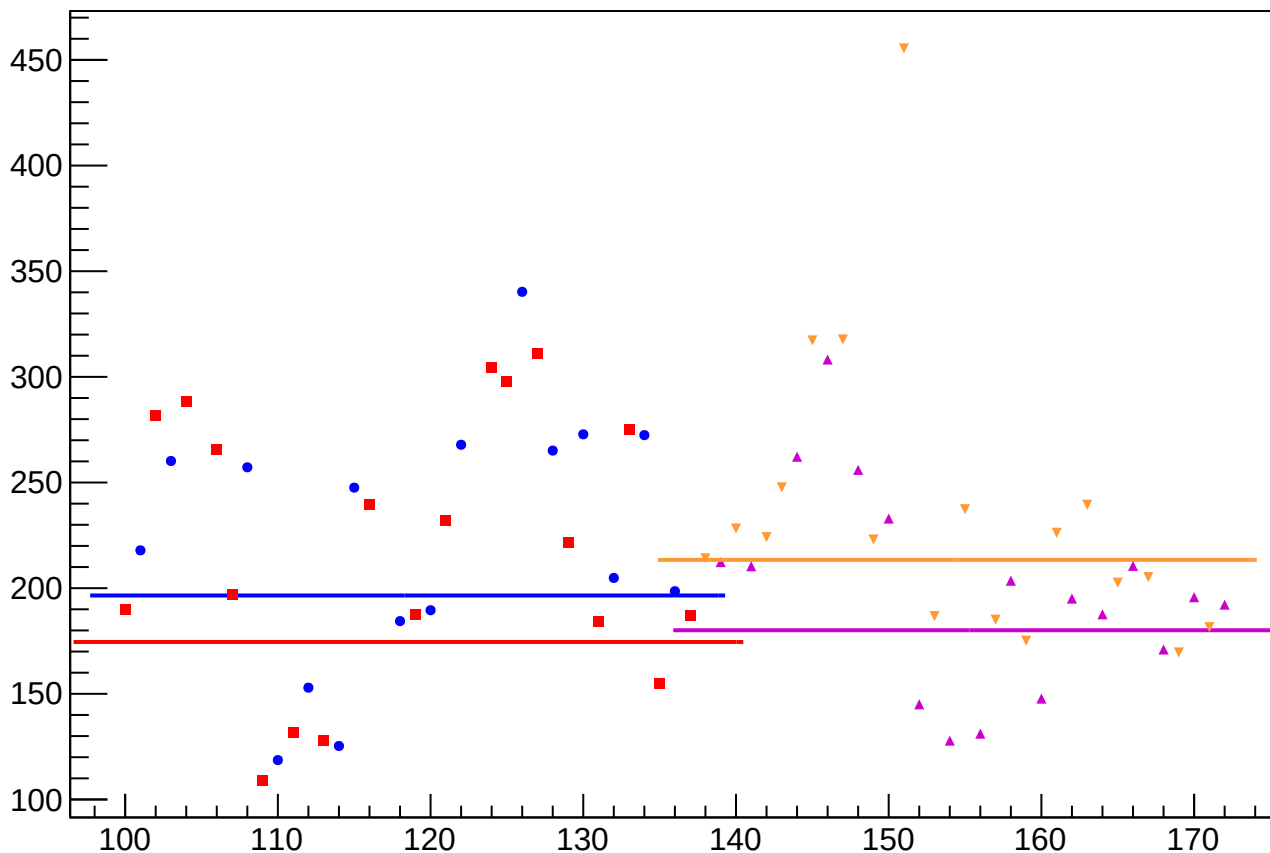
Left In: -117.586 $\pm$ 50.667 χ^2/NDF : 6.7/16

+ sign 83.438 $\pm$ 46.679 χ^2/NDF : 26.3/33

All: 17.616 $\pm$ 30.746 χ^2/NDF : 57.5/69

- sign -32.822 $\pm$ 40.862 χ^2/NDF : 27.6/35

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.542 $\pm$ 0.055 χ^2 /NDF: 1000770.4/15

Left Out: 213.387 $\pm$ 0.041 χ^2 /NDF: 1189900.1/17

Right Out: 174.540 $\pm$ 0.049 χ^2 /NDF: 1588725.2/18

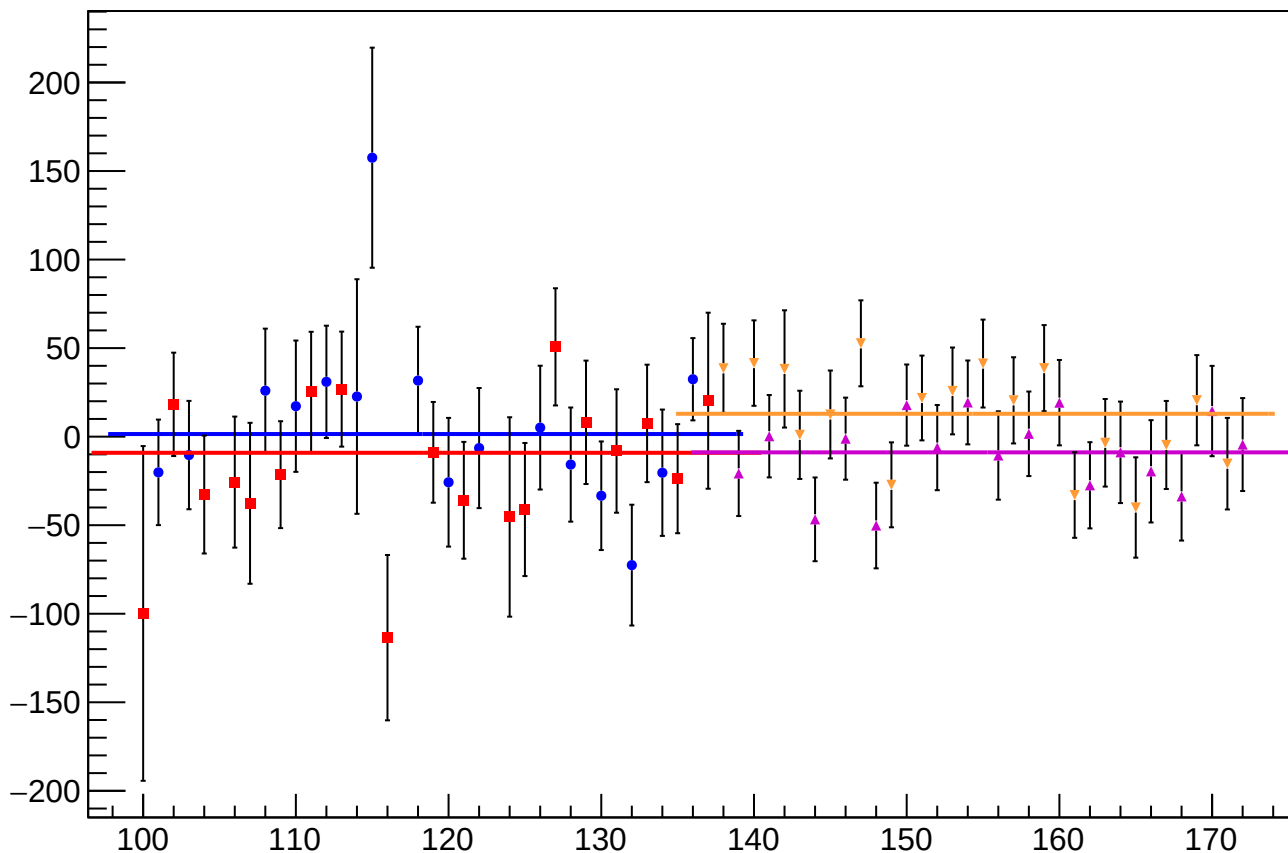
Left In: 180.081 $\pm$ 0.036 χ^2 /NDF: 1496387.2/16

+ sign 207.219 $\pm$ 0.033 χ^2 /NDF: 2251119.5/33

All: 190.758 $\pm$ 0.022 χ^2 /NDF: 5783891.5/69

- sign 178.144 $\pm$ 0.029 χ^2 /NDF: 3093475.2/35

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



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

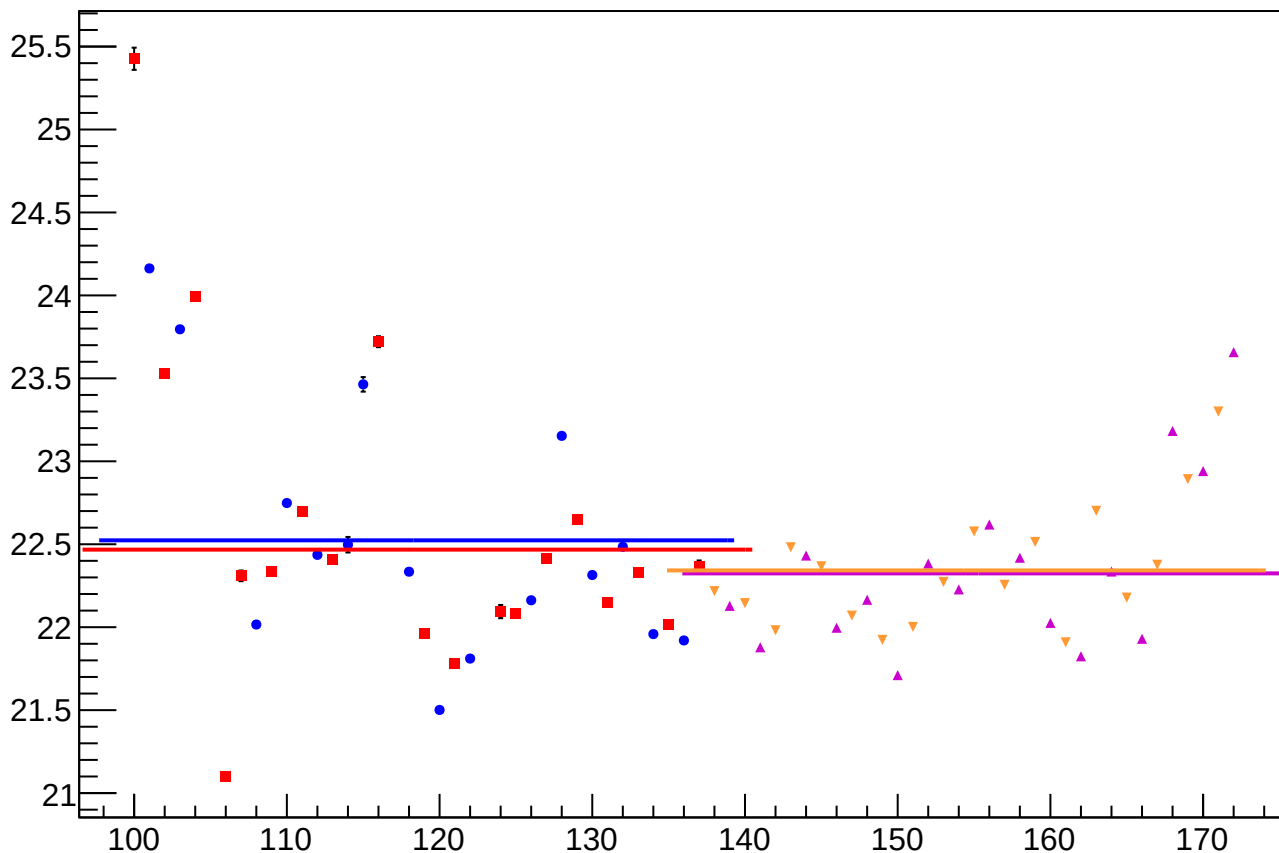
Left In: -8.868 ± 5.962 χ^2/NDF : 12.9/16

+ sign 9.104 ± 4.833 χ^2/NDF : 40.9/33

All: 0.055 ± 3.413 χ^2/NDF : 77.3/69

- sign -8.953 ± 4.821 χ^2/NDF : 29.4/35

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

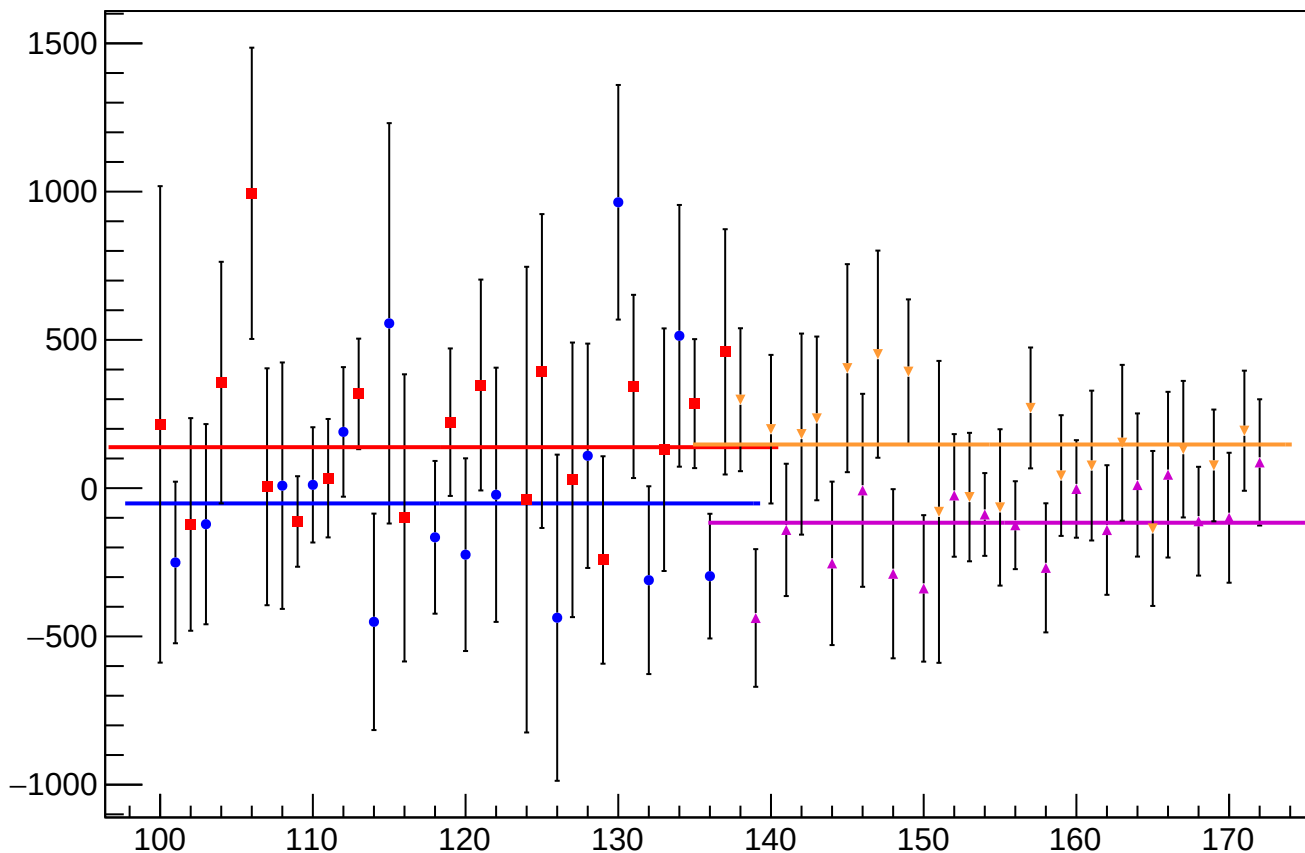
Left In: 22.324+/-0.004 χ^2 /NDF: 13409.0/16

+ sign 22.403+/-0.003 χ^2 /NDF: 23460.9/33

All: 22.388+/-0.002 χ^2 /NDF: 52931.2/69

- sign 22.374+/-0.003 χ^2 /NDF: 29434.7/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -51.492 ± 76.798 $\chi^2/\text{NDF}: 15.3/15$

Left Out: 147.220 ± 58.512 $\chi^2/\text{NDF}: 6.5/17$

Right Out: 138.184 ± 68.625 $\chi^2/\text{NDF}: 11.6/18$

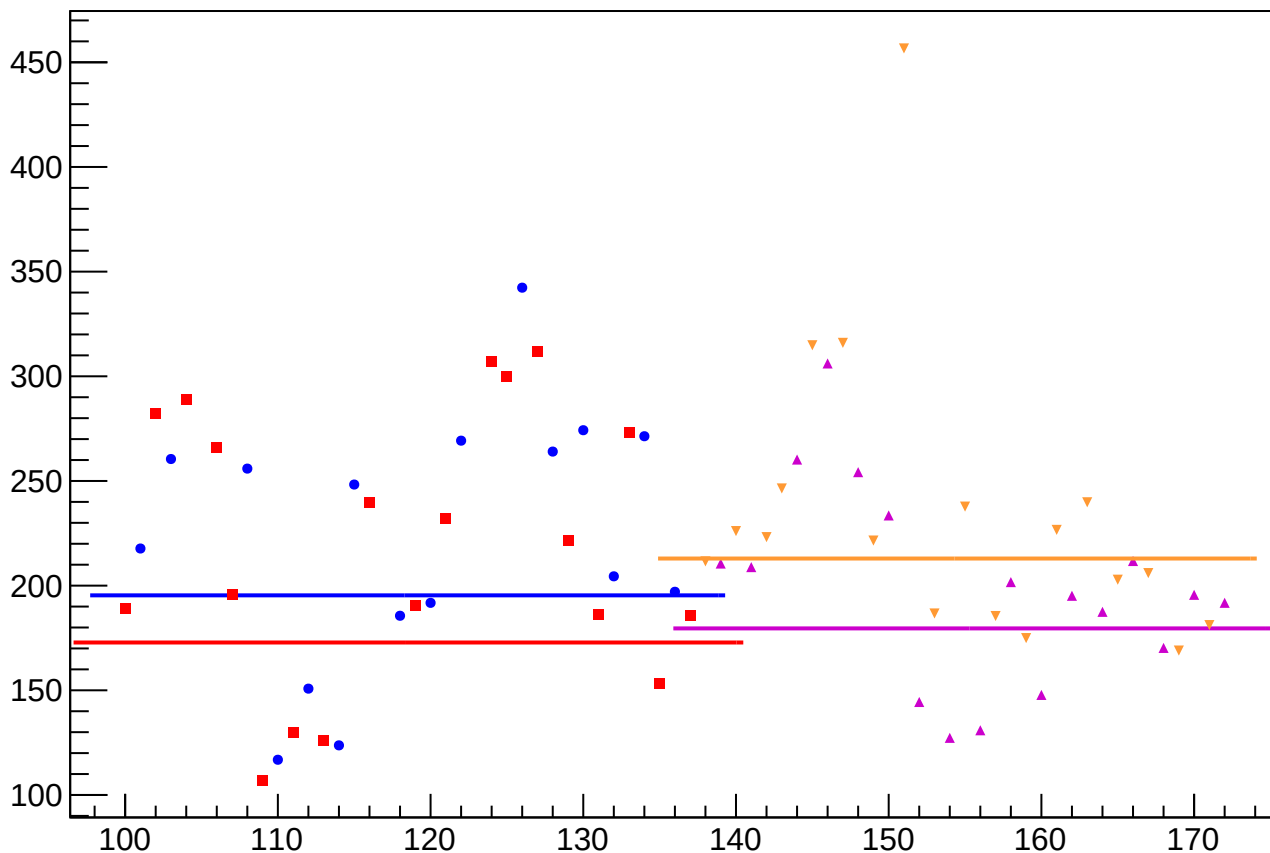
Left In: -116.650 ± 50.525 $\chi^2/\text{NDF}: 6.2/16$

+ sign 74.236 ± 46.543 $\chi^2/\text{NDF}: 26.0/33$

All: 16.813 ± 30.632 $\chi^2/\text{NDF}: 55.5/69$

- sign -27.071 ± 40.687 $\chi^2/\text{NDF}: 26.8/35$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.361 $\pm$ 0.054 χ^2 /NDF: 1041432.1/15

Left Out: 212.949 $\pm$ 0.041 χ^2 /NDF:1183081.1/17

+ sign 206.489 $\pm$ 0.033 χ^2 /NDF: 2290885.0/33

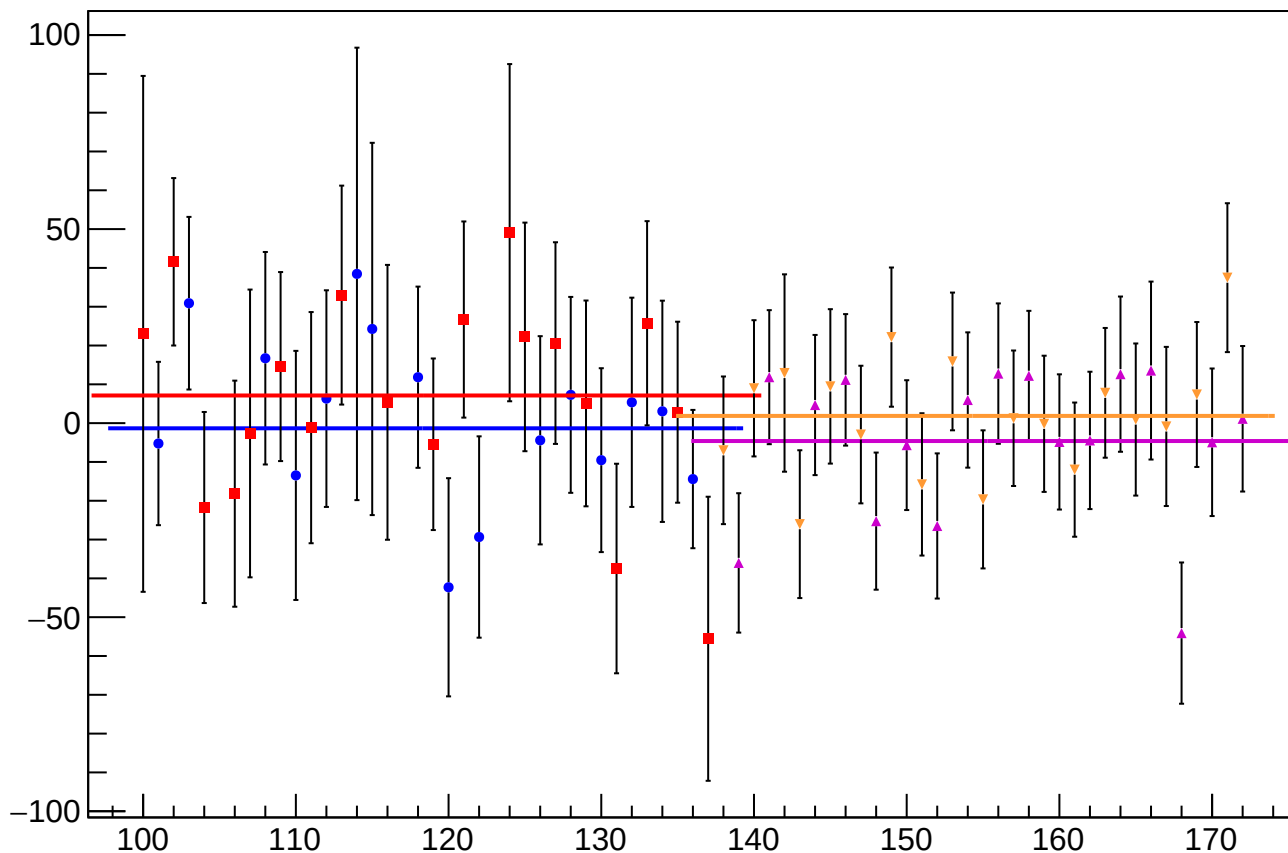
Right Out: 172.837 $\pm$ 0.049 χ^2 /NDF: 1659430.2/18

All: 189.888 $\pm$ 0.022 χ^2 /NDF: 5898484.7/69

Left In: 179.568 $\pm$ 0.036 χ^2 /NDF:1486804.9/16

- sign 177.202 $\pm$ 0.029 χ^2 /NDF: 3158713.4/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



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

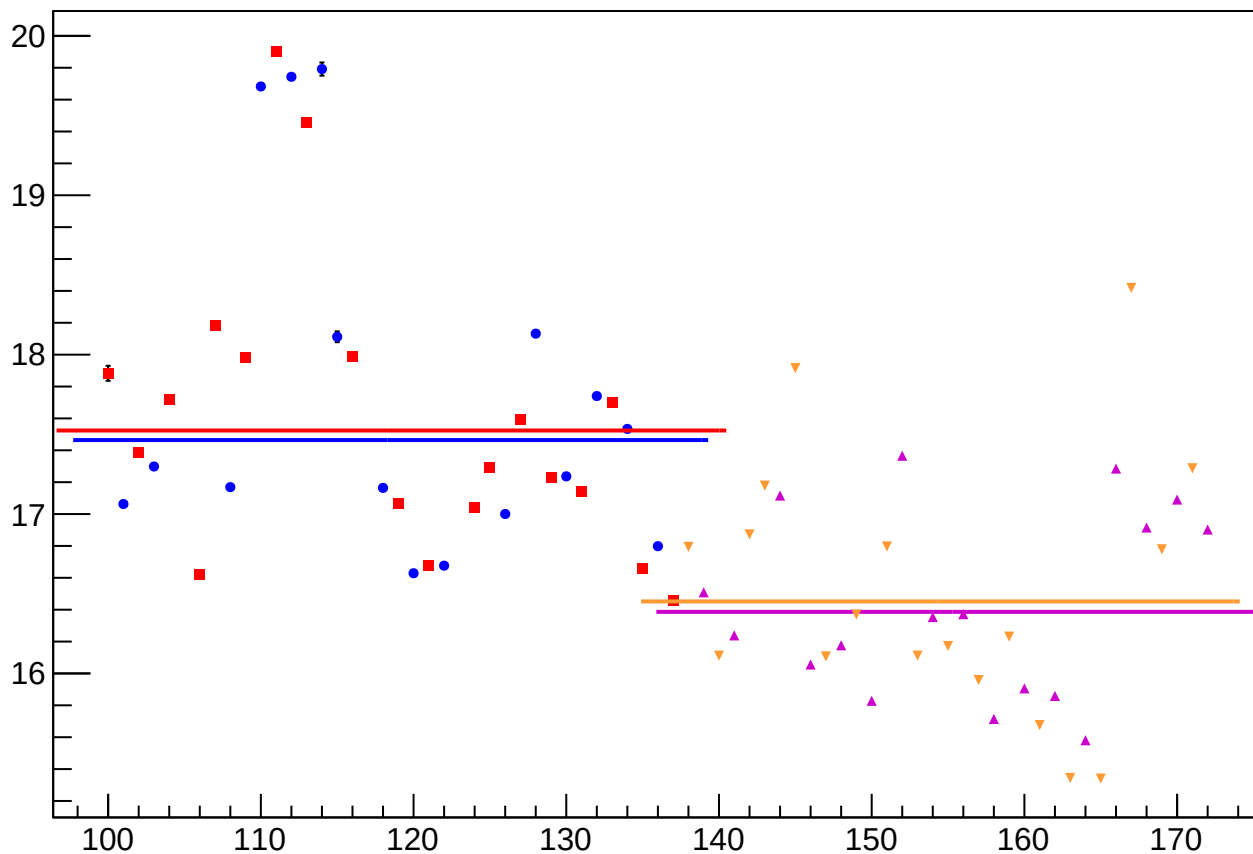
Left In: -4.610 ± 4.382 χ^2/NDF : 19.0/16

+ sign 0.870 ± 3.624 χ^2/NDF : 19.8/33

All: 0.000 ± 2.560 χ^2/NDF : 55.6/69

- sign -0.866 ± 3.616 χ^2/NDF : 35.7/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.464 $\pm$ 0.005 χ^2/NDF : 36650.1/15

Left Out: 16.452 $\pm$ 0.003 χ^2/NDF : 62384.2/17

Right Out: 17.524 $\pm$ 0.005 χ^2/NDF : 34726.0/18

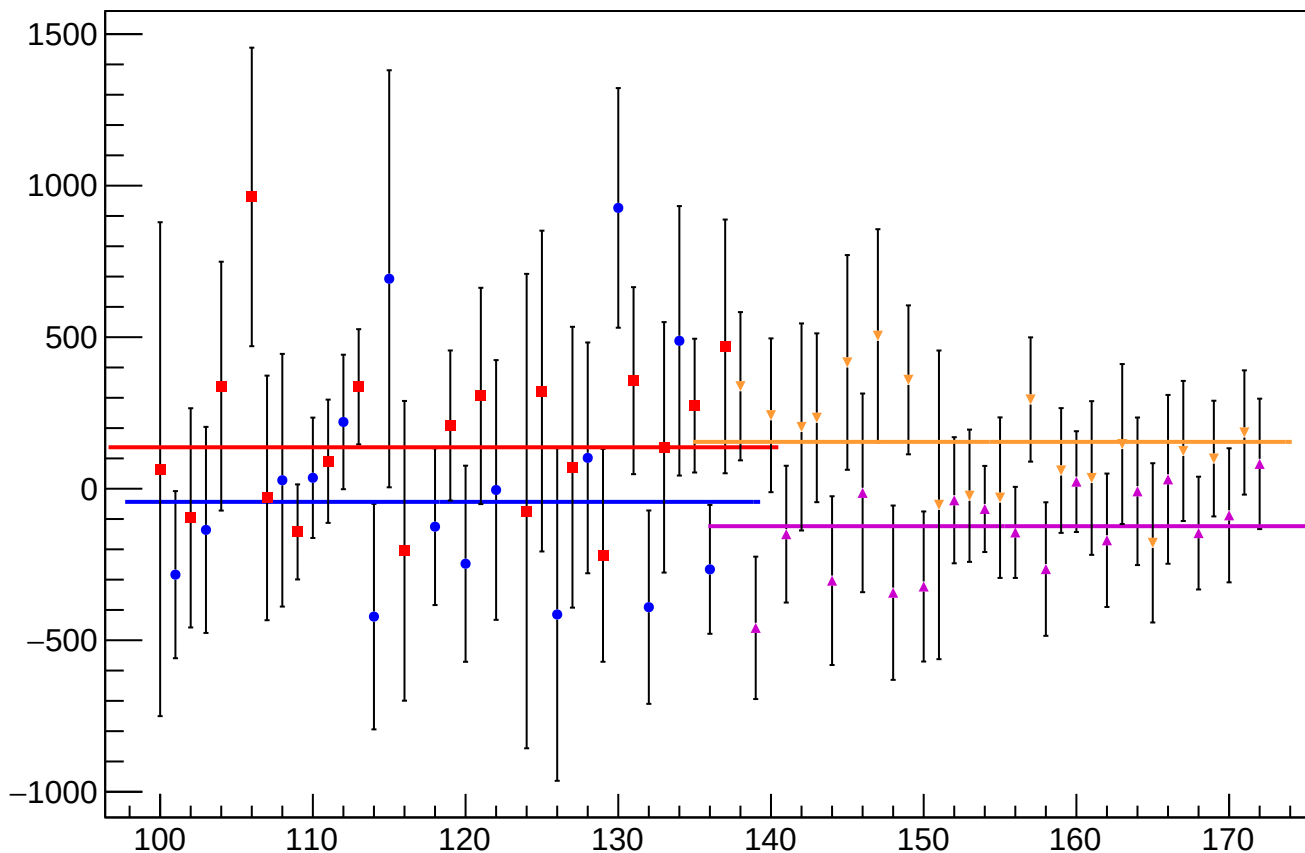
Left In: 16.386 $\pm$ 0.003 χ^2/NDF : 31055.8/16

+ sign 16.767 $\pm$ 0.003 χ^2/NDF : 132471.9/33

All: 16.758 $\pm$ 0.002 χ^2/NDF : 241302.3/69

- sign 16.749 $\pm$ 0.003 χ^2/NDF : 108807.7/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



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

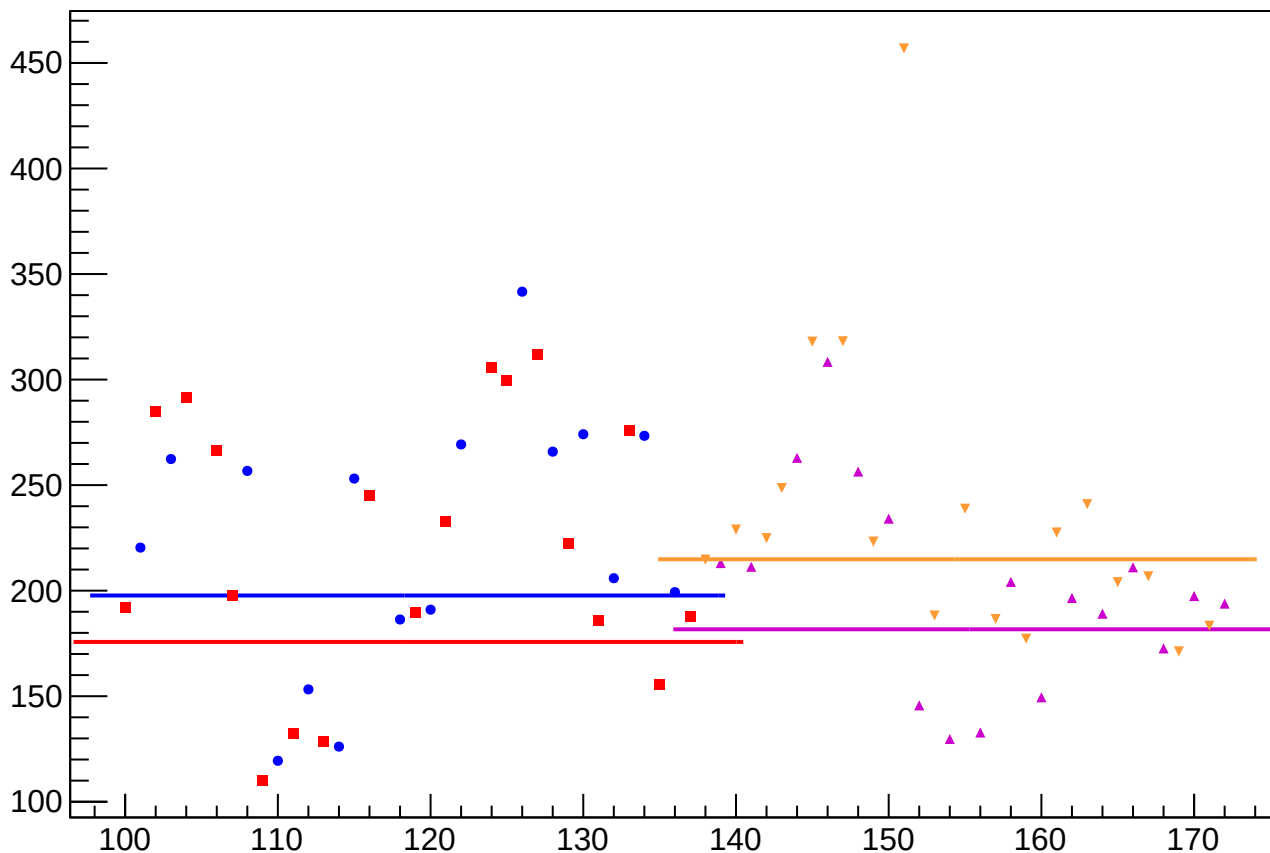
Left In: -123.648 ± 51.073 χ^2/NDF : 6.9/16

+ sign 82.048 ± 46.967 χ^2/NDF : 26.5/33

All: 17.313 ± 30.958 χ^2/NDF : 57.4/69

- sign -32.423 ± 41.167 χ^2/NDF : 27.5/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.707 $\pm$ 0.055 χ^2 /NDF: 1000324.6/15

Left Out: 214.875 $\pm$ 0.042 χ^2 /NDF:1166545.4/17

Right Out: 175.716 $\pm$ 0.049 χ^2 /NDF: 1590559.8/18

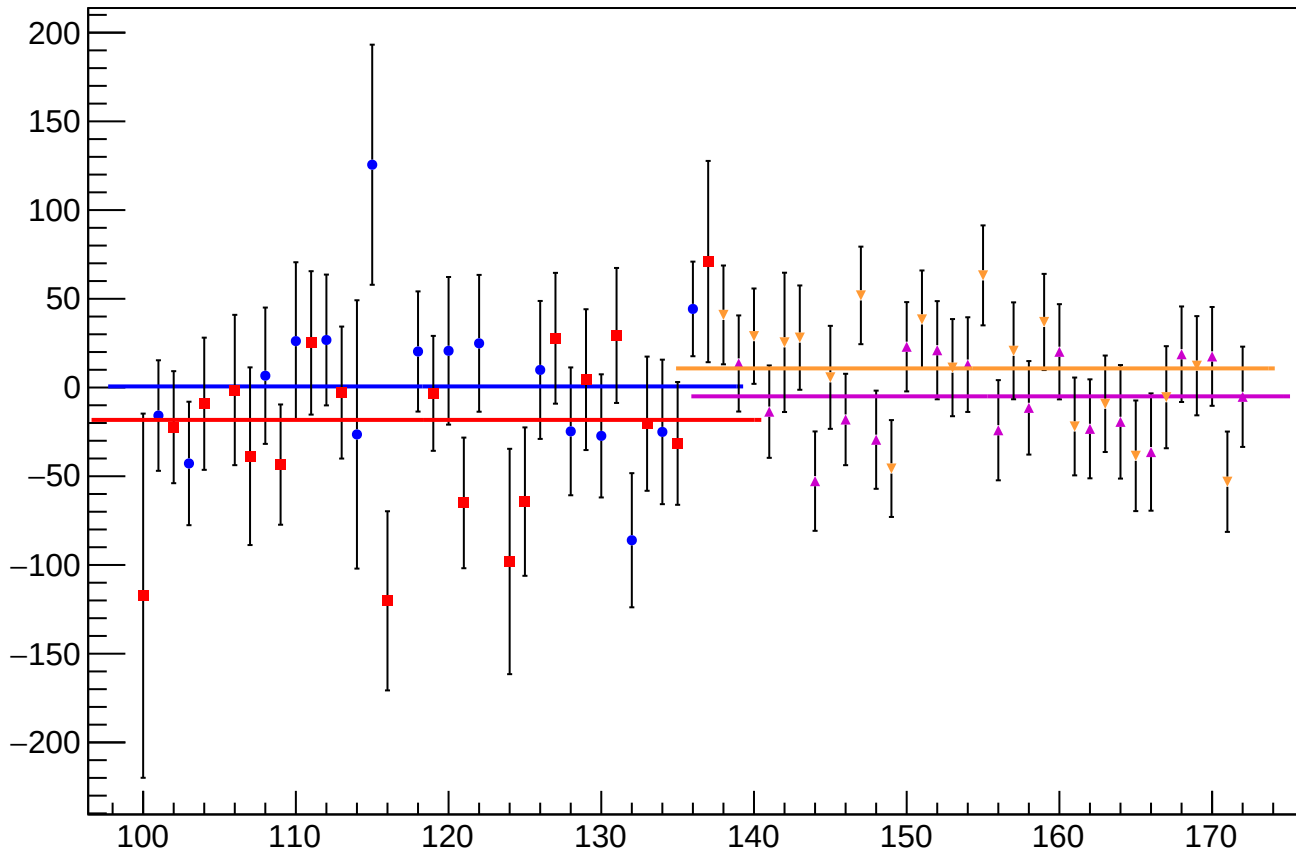
Left In: 181.698 $\pm$ 0.036 χ^2 /NDF:1453169.2/16

+ sign 208.584 $\pm$ 0.033 χ^2 /NDF: 2228913.5/33

All: 192.194 $\pm$ 0.022 χ^2 /NDF: 5712918.9/69

- sign 179.602 $\pm$ 0.029 χ^2 /NDF: 3053340.1/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.619 ± 9.421 $\chi^2/\text{NDF}: 16.7/15$

Left Out: 10.774 ± 6.684 $\chi^2/\text{NDF}: 24.1/17$

Right Out: -18.248 ± 9.208 $\chi^2/\text{NDF}: 18.0/18$

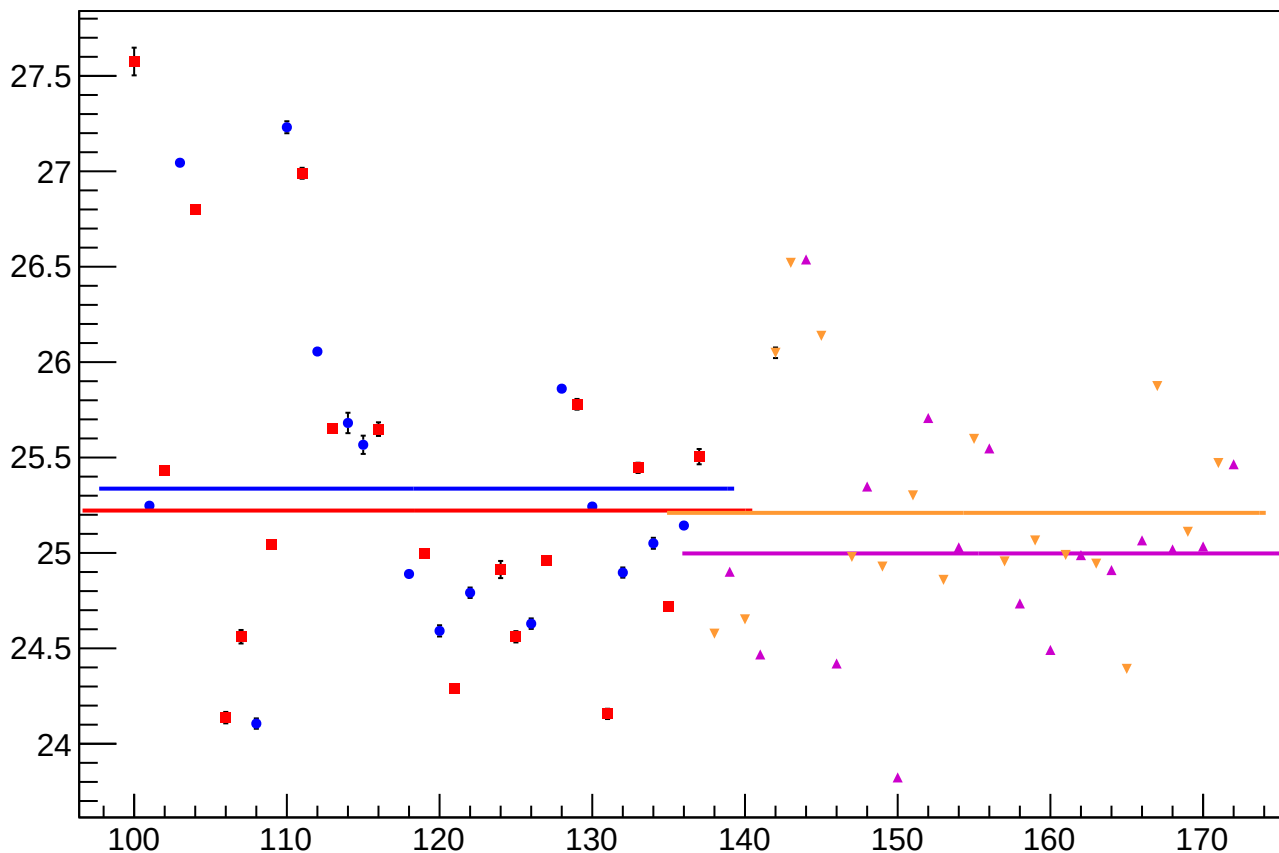
Left In: -4.967 ± 6.681 $\chi^2/\text{NDF}: 11.5/16$

+ sign 7.375 ± 5.451 $\chi^2/\text{NDF}: 41.6/33$

All: -1.154 ± 3.839 $\chi^2/\text{NDF}: 77.2/69$

- sign -9.547 ± 5.408 $\chi^2/\text{NDF}: 30.8/35$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.337 $\pm$ 0.007 χ^2 /NDF: 14315.0/15

Left Out: 25.210 $\pm$ 0.005 χ^2 /NDF:13101.5/17

Right Out: 25.222 $\pm$ 0.007 χ^2 /NDF: 15224.4/18

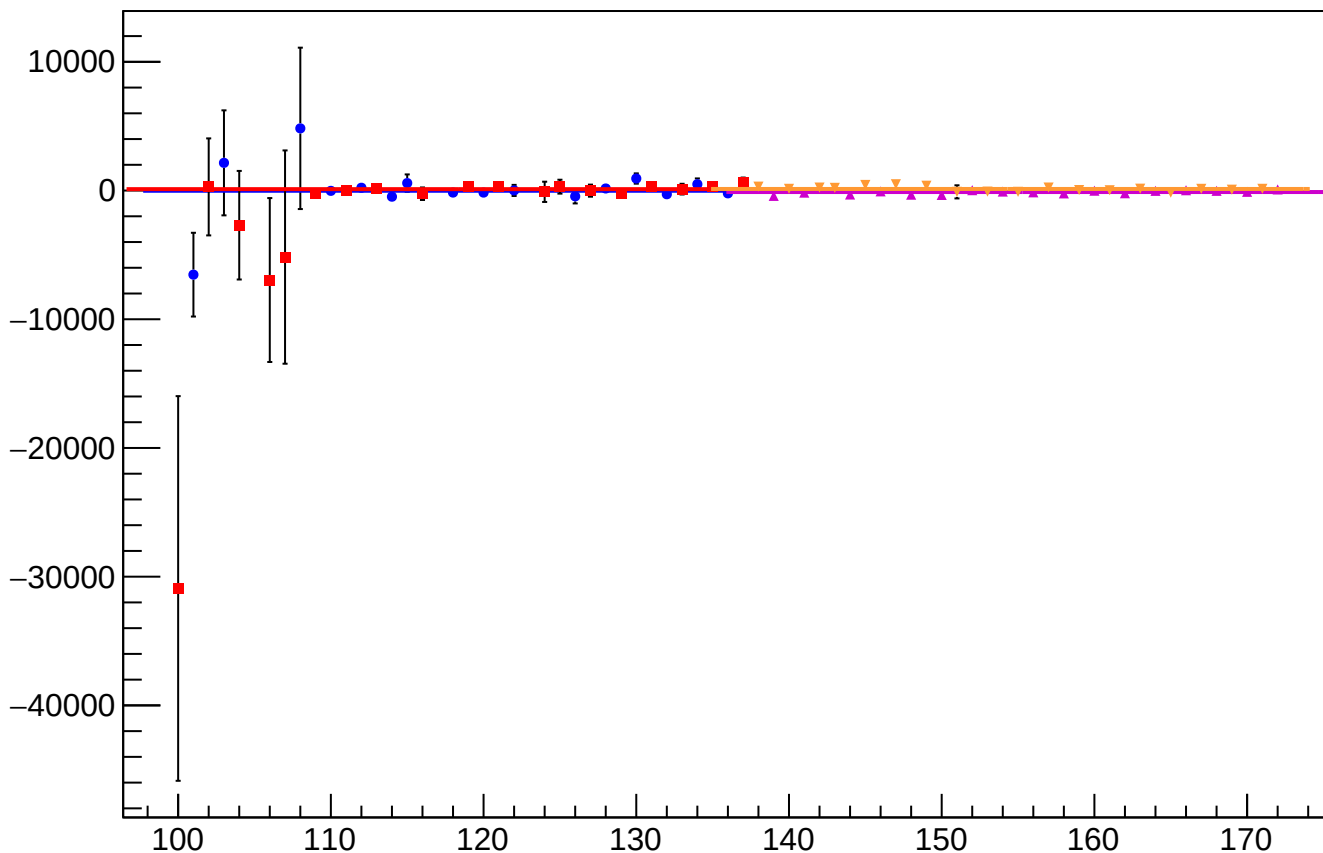
Left In: 24.997 $\pm$ 0.005 χ^2 /NDF:16143.1/16

+ sign 25.253 $\pm$ 0.004 χ^2 /NDF: 27658.0/33

All: 25.163 $\pm$ 0.003 χ^2 /NDF: 60877.2/69

- sign 25.075 $\pm$ 0.004 χ^2 /NDF: 32148.2/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



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

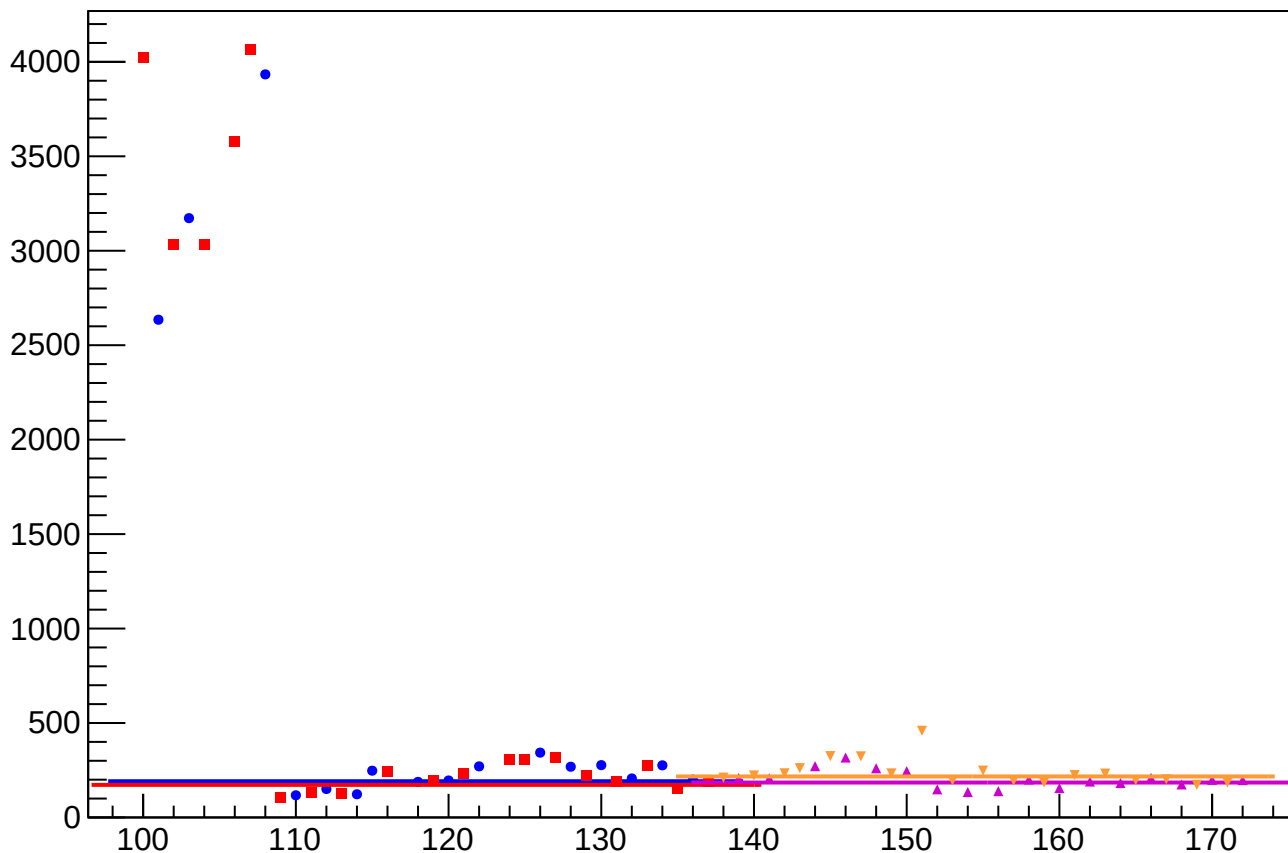
Left In: -115.777+/-51.831 χ^2/NDF : 6.3/16

+ sign 77.287+/-48.719 χ^2/NDF : 27.2/33

All: 7.632+/-32.317 χ^2/NDF : 56.9/69

- sign -47.100+/-43.186 χ^2/NDF : 26.1/35

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

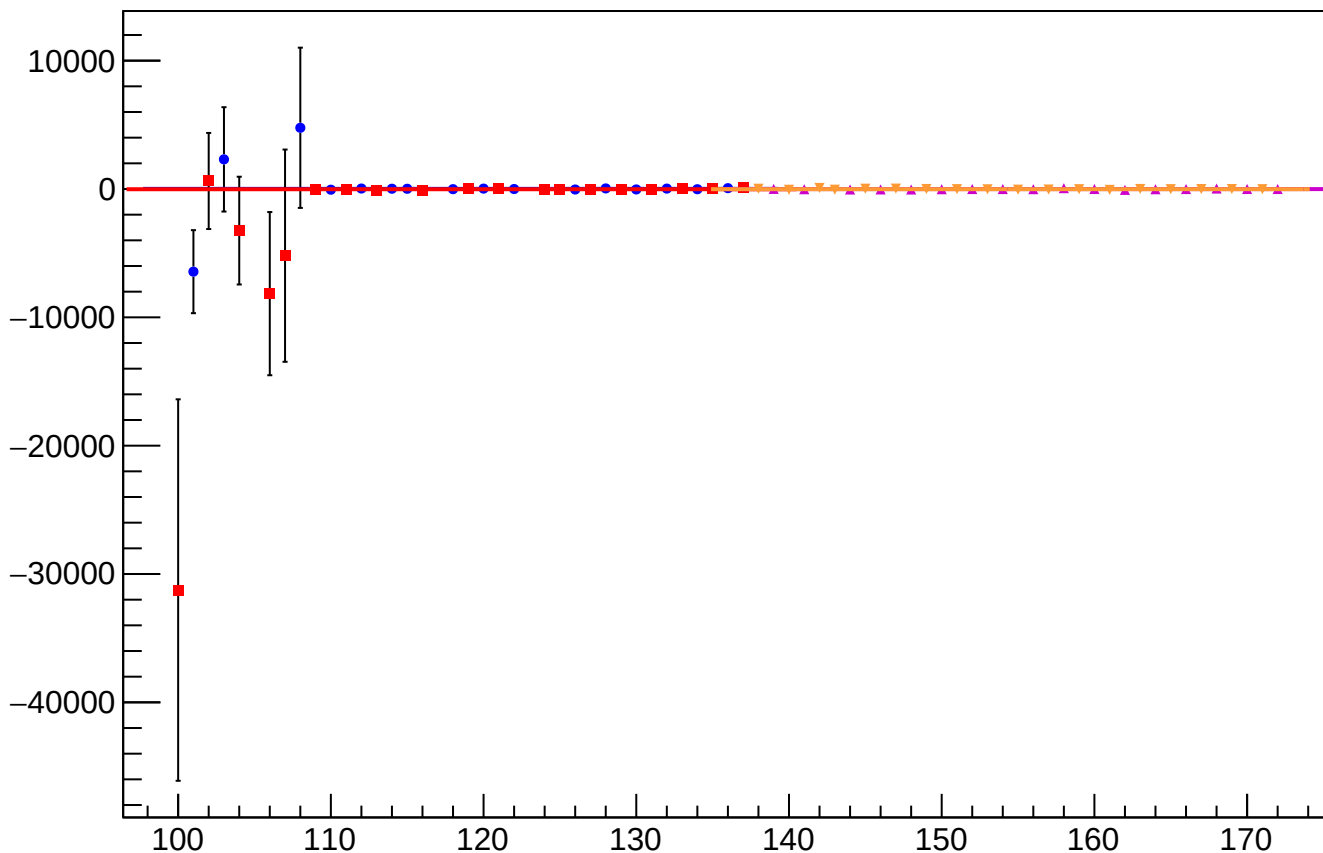
Left In: 184.860+/-0.037 χ^2/NDF : 1337469.2/16

+ sign 208.640+/-0.034 χ^2/NDF : 5104824.3/33

All: 193.201+/-0.023 χ^2/NDF : 11139089.1/69

- sign 181.069+/-0.031 χ^2/NDF : 5675588.9/35

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

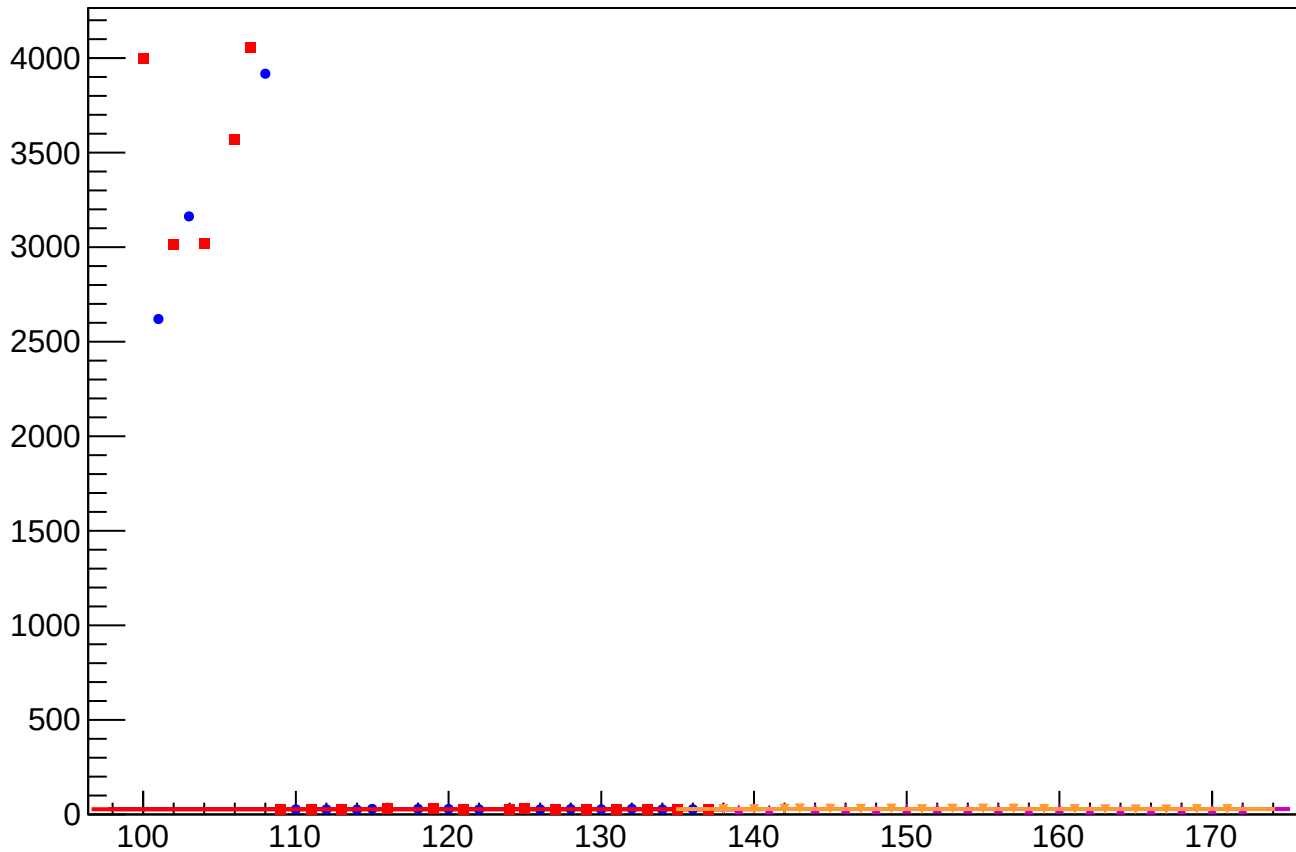
Left In: -7.080 ± 7.691 χ^2/NDF : 16.5/16

+ sign -7.205 ± 6.390 χ^2/NDF : 36.7/33

All: -8.772 ± 4.538 χ^2/NDF : 78.8/69

- sign -10.365 ± 6.444 χ^2/NDF : 41.9/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.642 $\pm$ 0.008 χ^2 /NDF: 3265498.5/15

Left Out: 28.726 $\pm$ 0.005 χ^2 /NDF: 82341.6/17

Right Out: 27.535 $\pm$ 0.008 χ^2 /NDF: 3555229.4/18

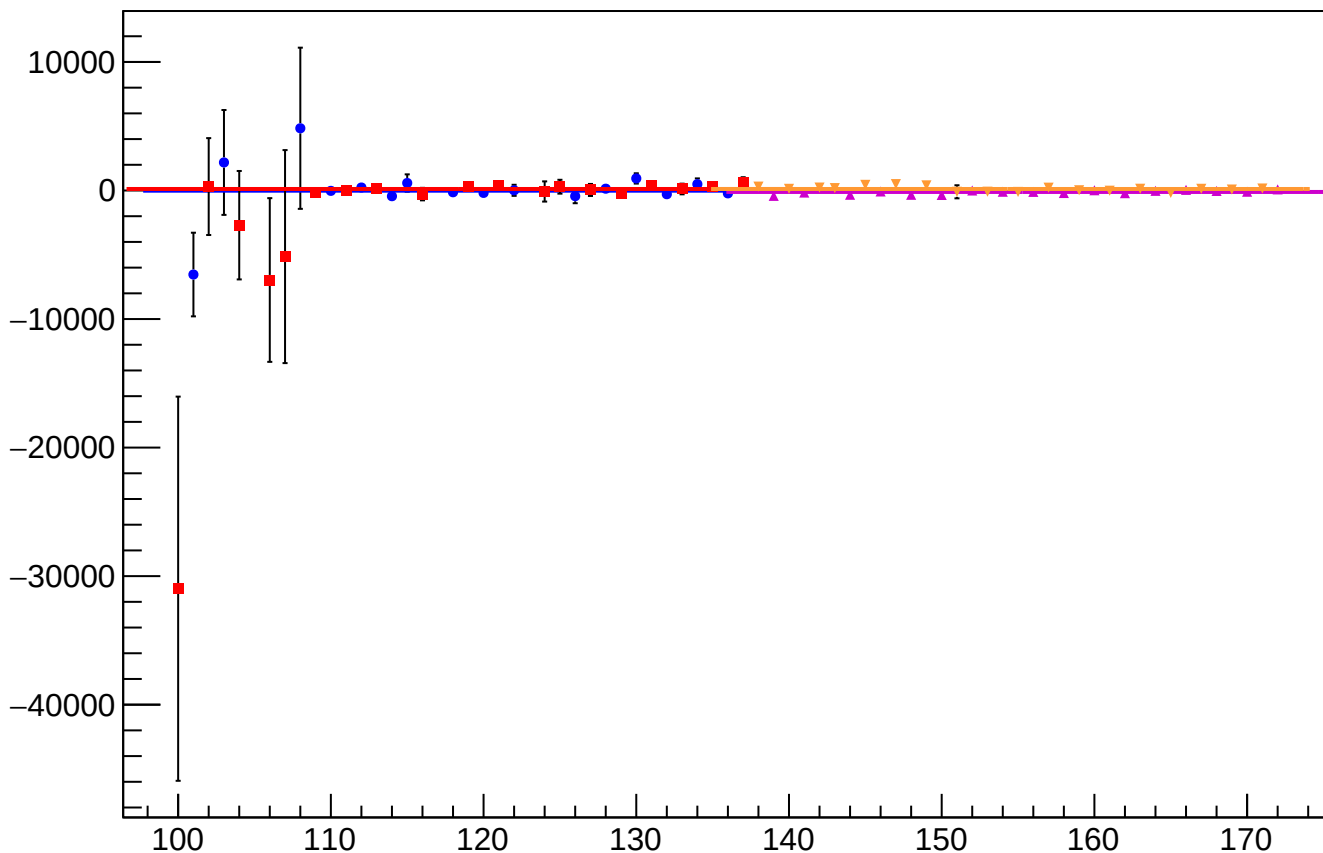
Left In: 28.701 $\pm$ 0.005 χ^2 /NDF: 110435.0/16

+ sign 28.402 $\pm$ 0.005 χ^2 /NDF: 3359921.5/33

All: 28.378 $\pm$ 0.003 χ^2 /NDF: 7039349.6/69

- sign 28.353 $\pm$ 0.005 χ^2 /NDF: 3679370.9/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -13.160 $\pm$ 84.454 χ^2 /NDF: 18.3/15

Left Out: 117.894 $\pm$ 59.431 χ^2 /NDF: 7.9/17

Right Out: 118.063 $\pm$ 77.862 χ^2 /NDF: 14.4/18

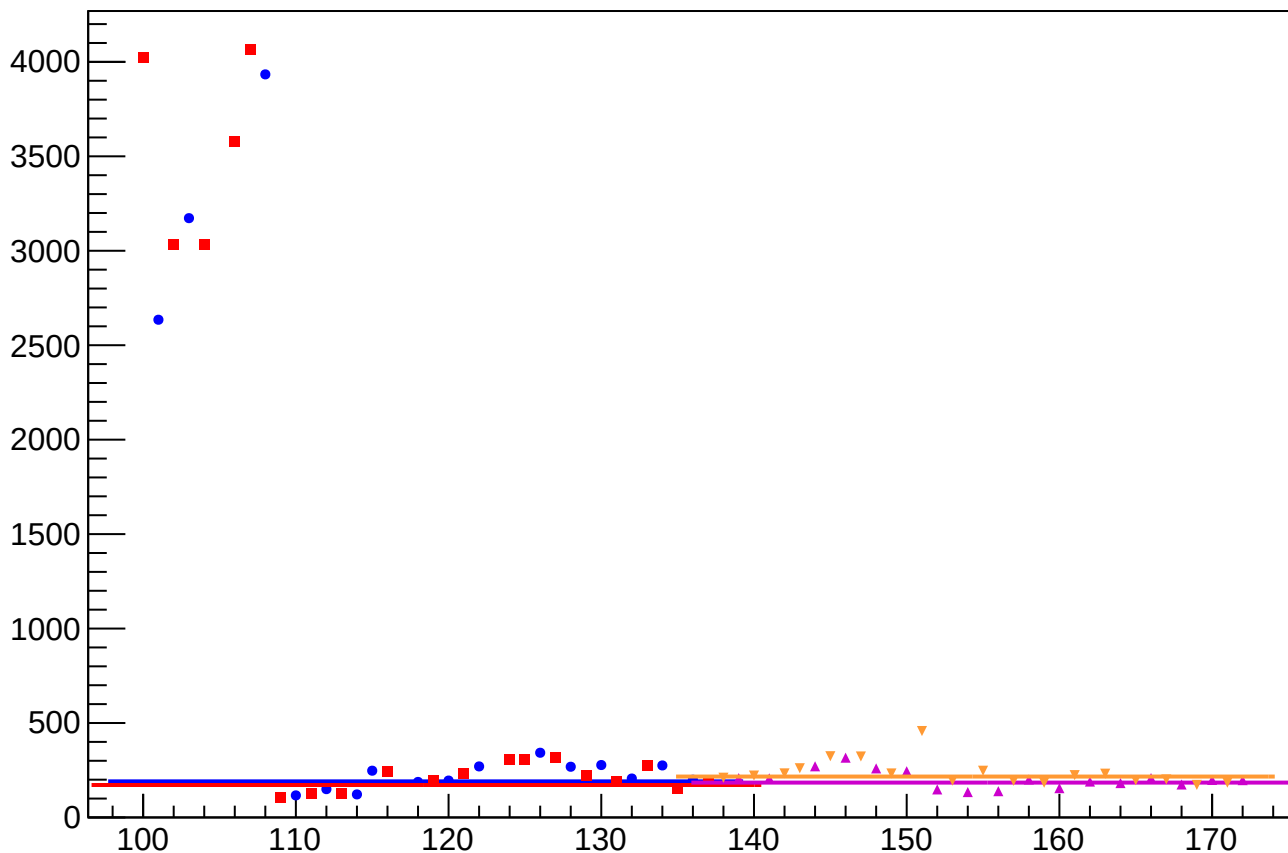
Left In: -113.084 $\pm$ 51.734 χ^2 /NDF: 6.5/16

+ sign 74.489 $\pm$ 48.603 χ^2 /NDF: 27.8/33

All: 9.103 $\pm$ 32.243 χ^2 /NDF: 58.1/69

- sign -42.292 $\pm$ 43.090 χ^2 /NDF: 27.1/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.070 $\pm$ 0.060 χ^2 /NDF: 3833952.4/15

Left Out: 216.541 $\pm$ 0.042 χ^2 /NDF: 1163637.4/17

Right Out: 171.835 $\pm$ 0.055 χ^2 /NDF: 4314721.8/18

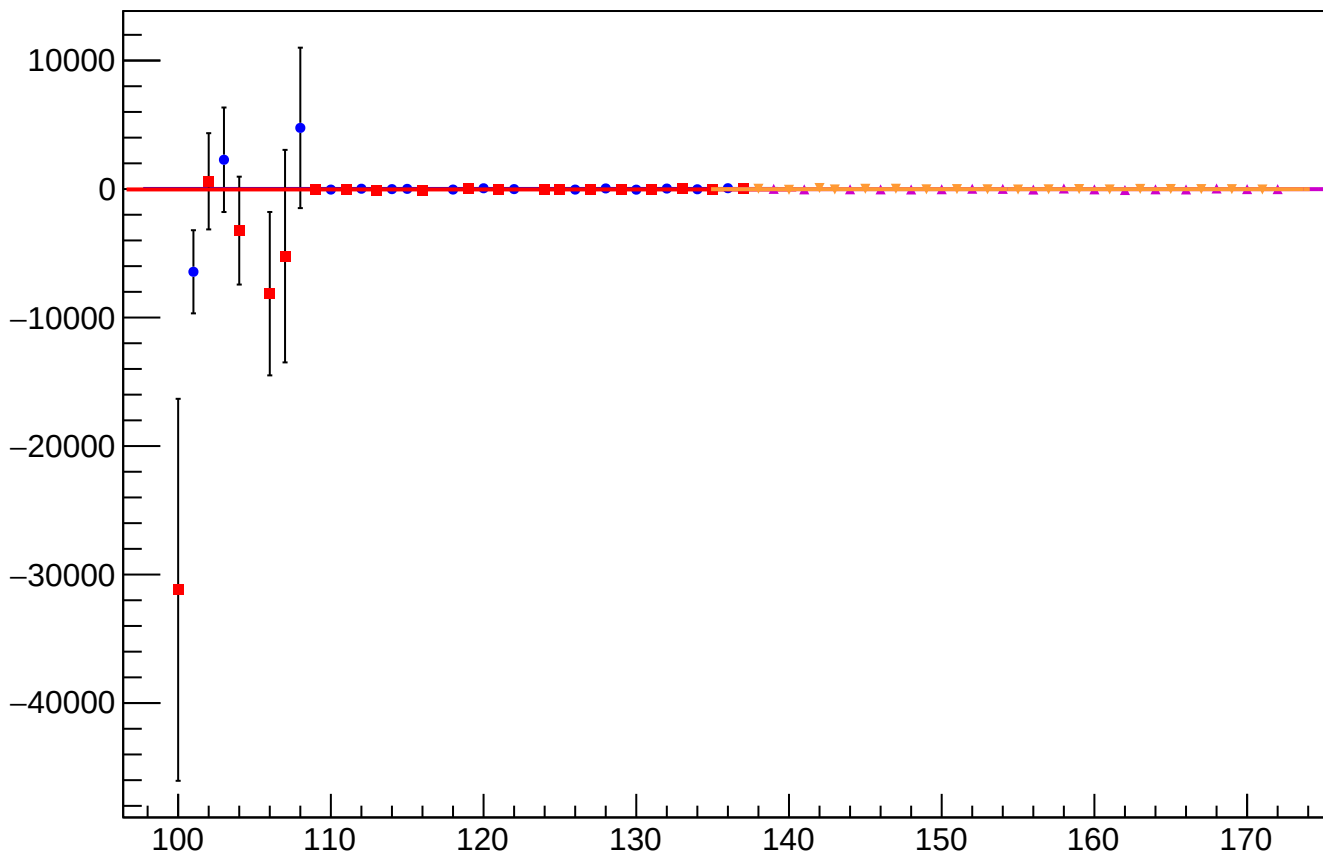
Left In: 184.518 $\pm$ 0.037 χ^2 /NDF: 1336982.3/16

+ sign 208.105 $\pm$ 0.034 χ^2 /NDF: 5119257.7/33

All: 192.724 $\pm$ 0.023 χ^2 /NDF: 11165521.0/69

- sign 180.634 $\pm$ 0.030 χ^2 /NDF: 5688517.9/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.490 $\pm$ 11.764 χ^2 /NDF: 18.3/15

Left Out: -10.334 $\pm$ 7.685 χ^2 /NDF: 12.0/17

Right Out: -30.962 $\pm$ 11.902 χ^2 /NDF: 19.9/18

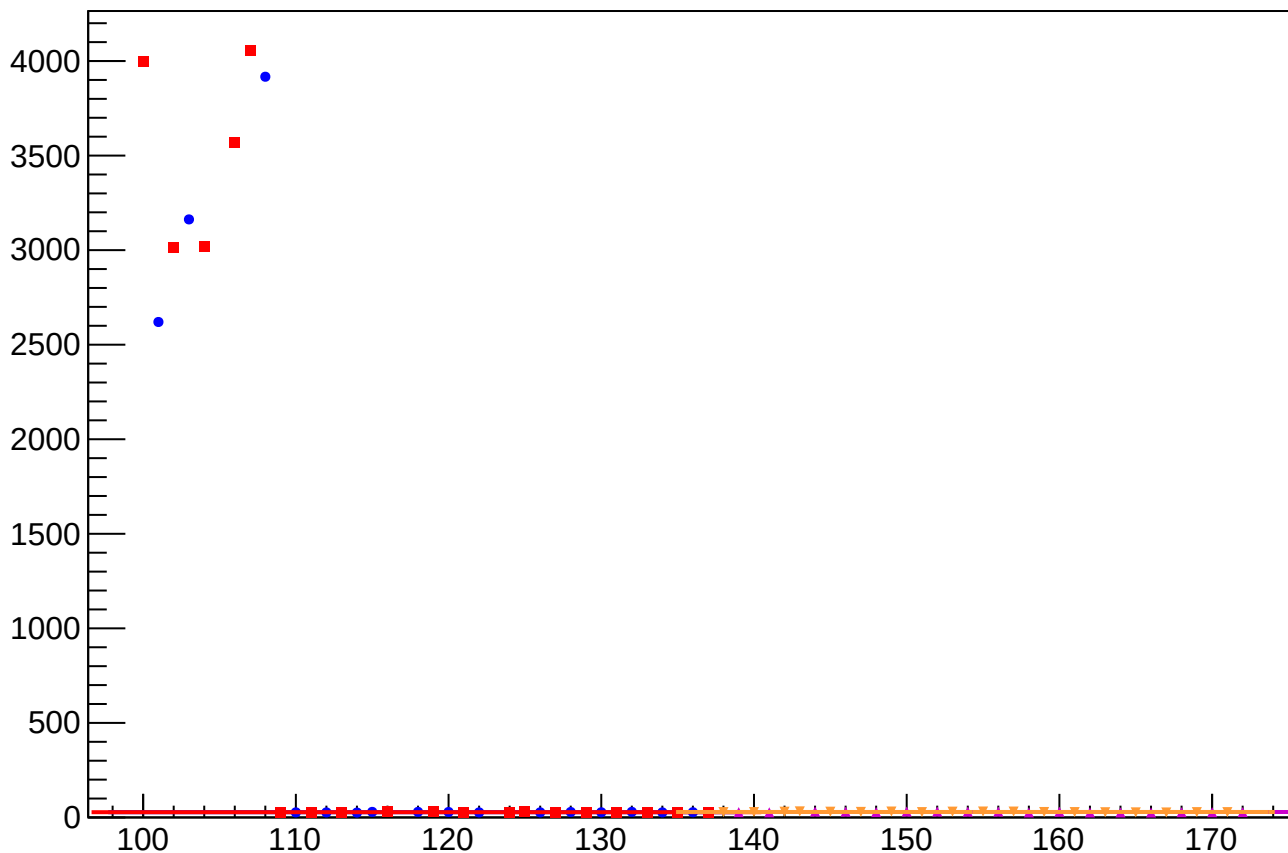
Left In: -8.337 $\pm$ 7.737 χ^2 /NDF: 16.0/16

+ sign -5.302 $\pm$ 6.434 χ^2 /NDF: 31.7/33

All: -10.140 $\pm$ 4.568 χ^2 /NDF: 71.3/69

- sign -15.058 $\pm$ 6.487 χ^2 /NDF: 38.4/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.825 $\pm$ 0.008 χ^2 /NDF: 3265895.3/15

Left Out: 28.918 $\pm$ 0.005 χ^2 /NDF: 88550.7/17

Right Out: 27.754 $\pm$ 0.008 χ^2 /NDF: 3558676.9/18

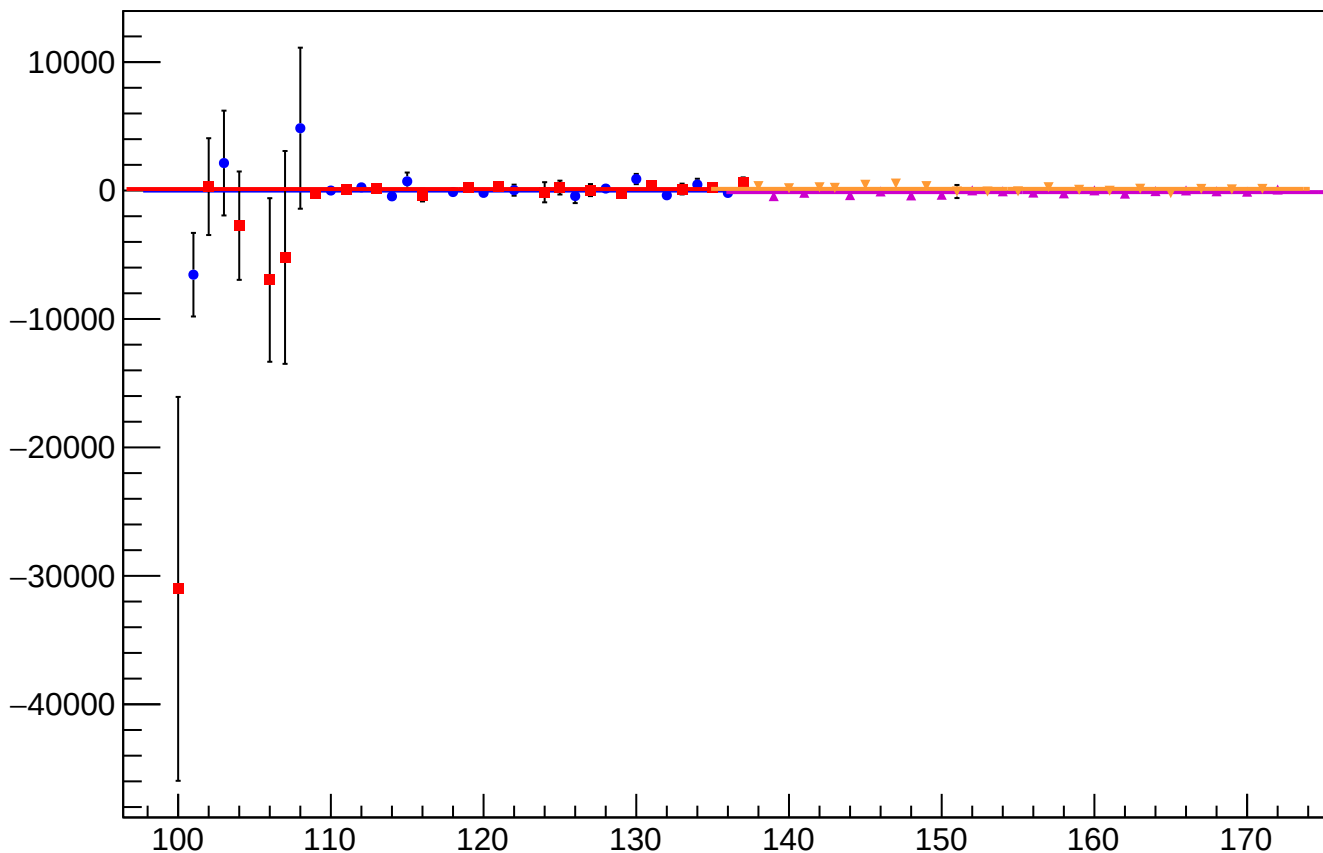
Left In: 28.873 $\pm$ 0.005 χ^2 /NDF: 111811.9/16

+ sign 28.591 $\pm$ 0.005 χ^2 /NDF: 3366549.6/33

All: 28.566 $\pm$ 0.003 χ^2 /NDF: 7049546.1/69

- sign 28.541 $\pm$ 0.005 χ^2 /NDF: 3682935.8/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



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

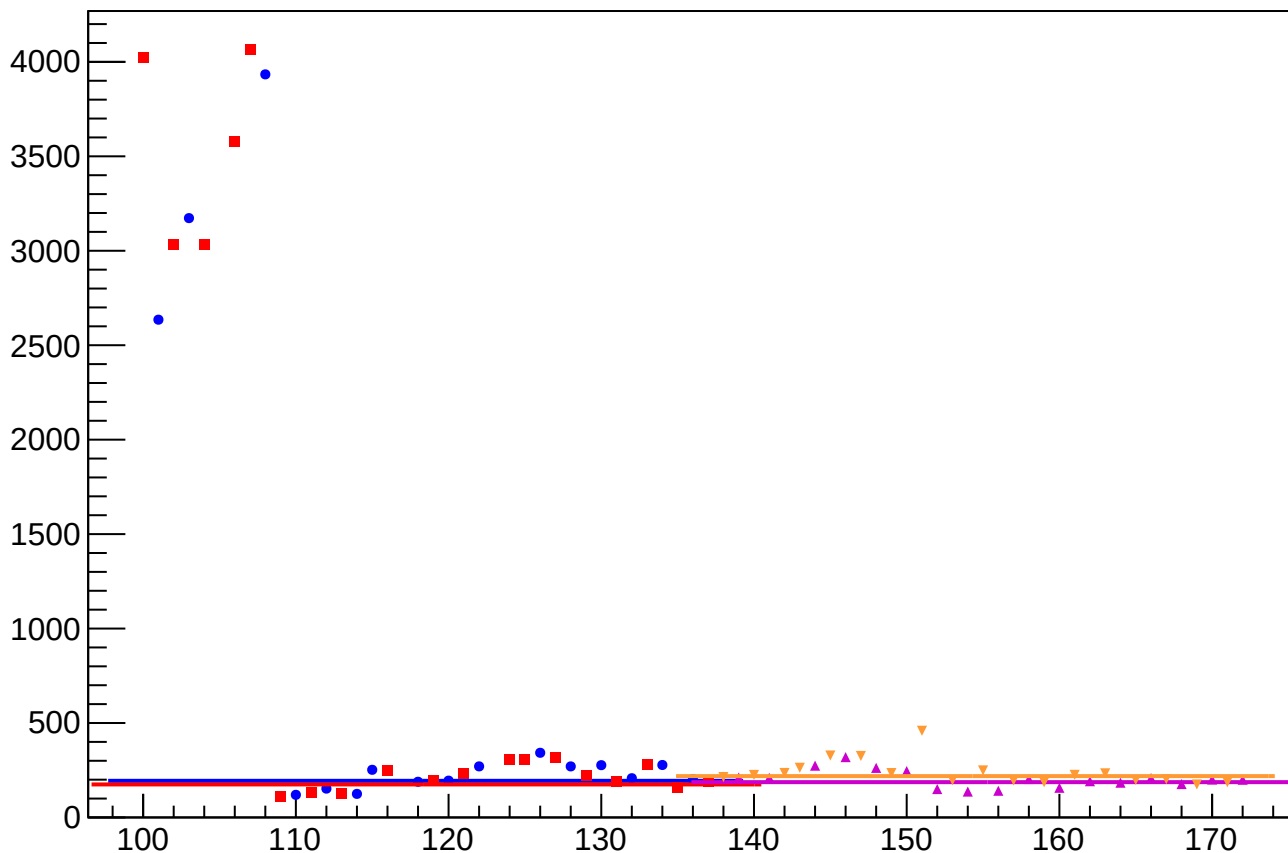
Left In: -123.403+/-52.362 χ^2/NDF : 6.9/16

+ sign 86.245+/-49.134 χ^2/NDF : 27.6/33

All: 9.886+/-32.627 χ^2/NDF : 59.0/69

- sign -50.345+/-43.638 χ^2/NDF : 27.1/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.946 $\pm$ 0.060 χ^2 /NDF: 3784467.5/15

Left Out: 218.845 $\pm$ 0.042 χ^2 /NDF: 1150990.0/17

Right Out: 174.779 $\pm$ 0.056 χ^2 /NDF: 4259323.6/18

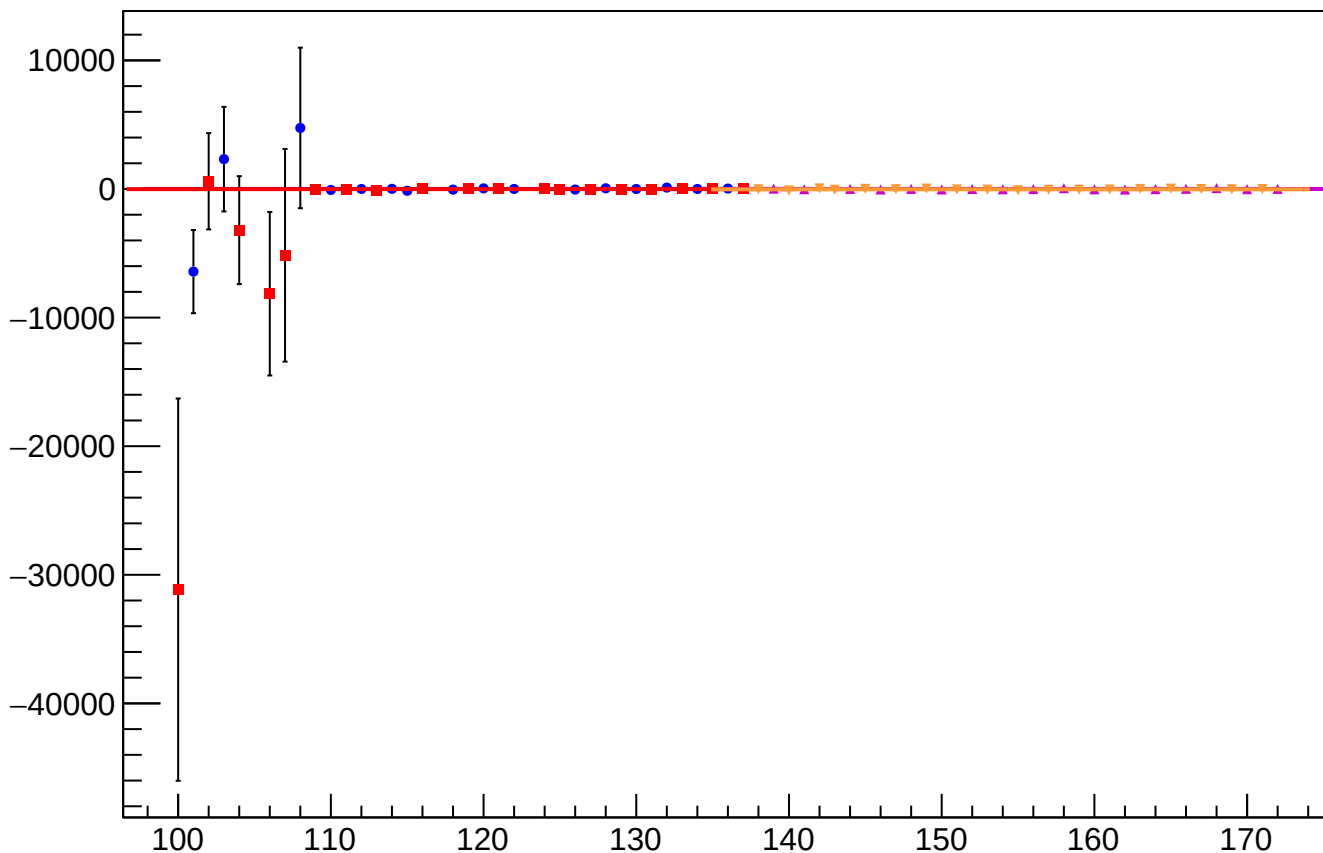
Left In: 186.921 $\pm$ 0.037 χ^2 /NDF: 1308415.8/16

+ sign 210.624 $\pm$ 0.035 χ^2 /NDF: 5049046.2/33

All: 195.299 $\pm$ 0.023 χ^2 /NDF: 10997651.9/69

- sign 183.212 $\pm$ 0.031 χ^2 /NDF: 5600586.3/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.660 $\pm$ 14.306 χ^2 /NDF: 17.5/15

Left Out: -27.650 $\pm$ 9.148 χ^2 /NDF:17.4/17

Right Out: -10.003 $\pm$ 14.433 χ^2 /NDF: 23.4/18

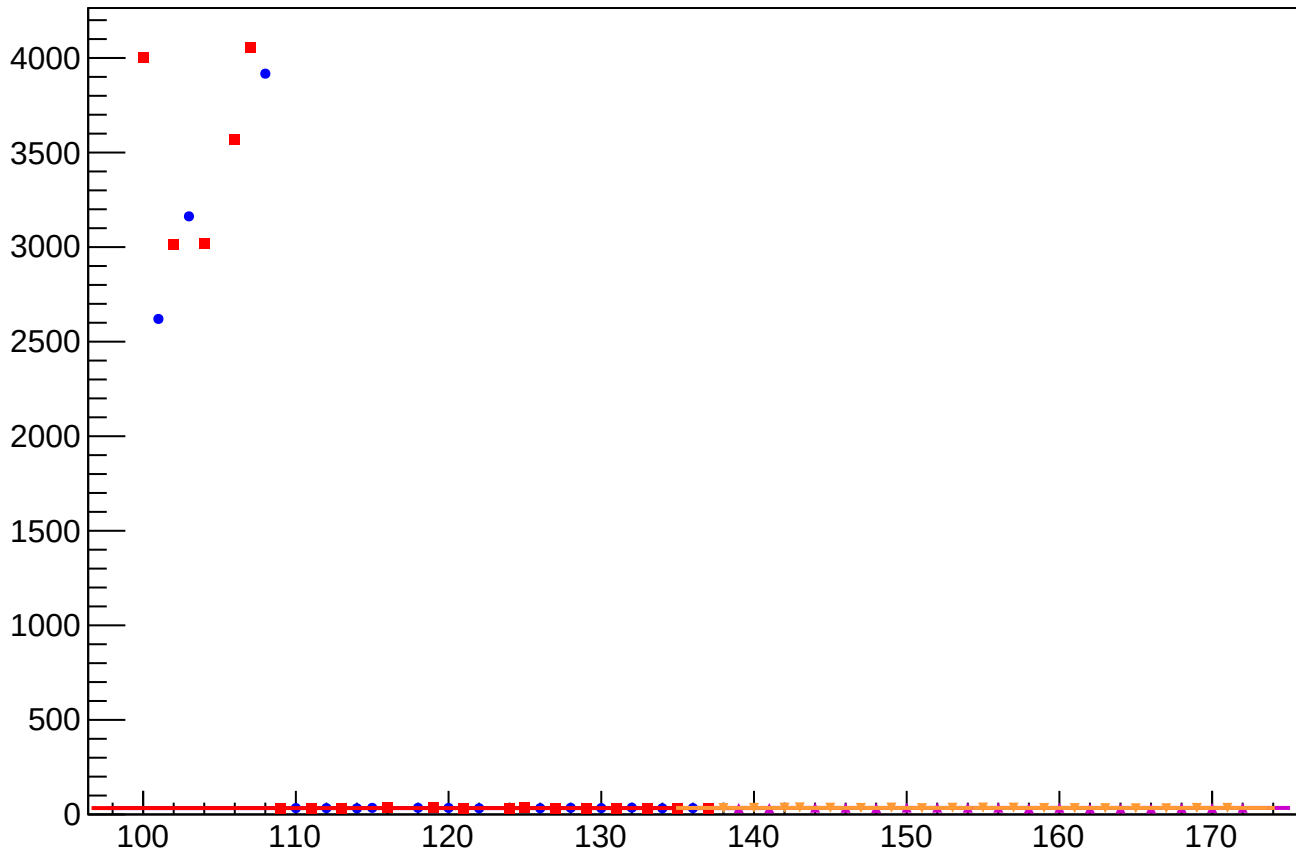
Left In: 2.386 $\pm$ 9.237 χ^2 /NDF:11.9/16

+ sign -17.983 $\pm$ 7.707 χ^2 /NDF: 38.7/33

All: -9.678 $\pm$ 5.475 χ^2 /NDF: 76.9/69

- sign -1.214 $\pm$ 7.780 χ^2 /NDF: 35.8/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.899 $\pm$ 0.010 χ^2 /NDF: 3244382.4/15

Left Out: 34.481 $\pm$ 0.006 χ^2 /NDF: 36874.3/17

Right Out: 33.726 $\pm$ 0.010 χ^2 /NDF: 3526463.8/18

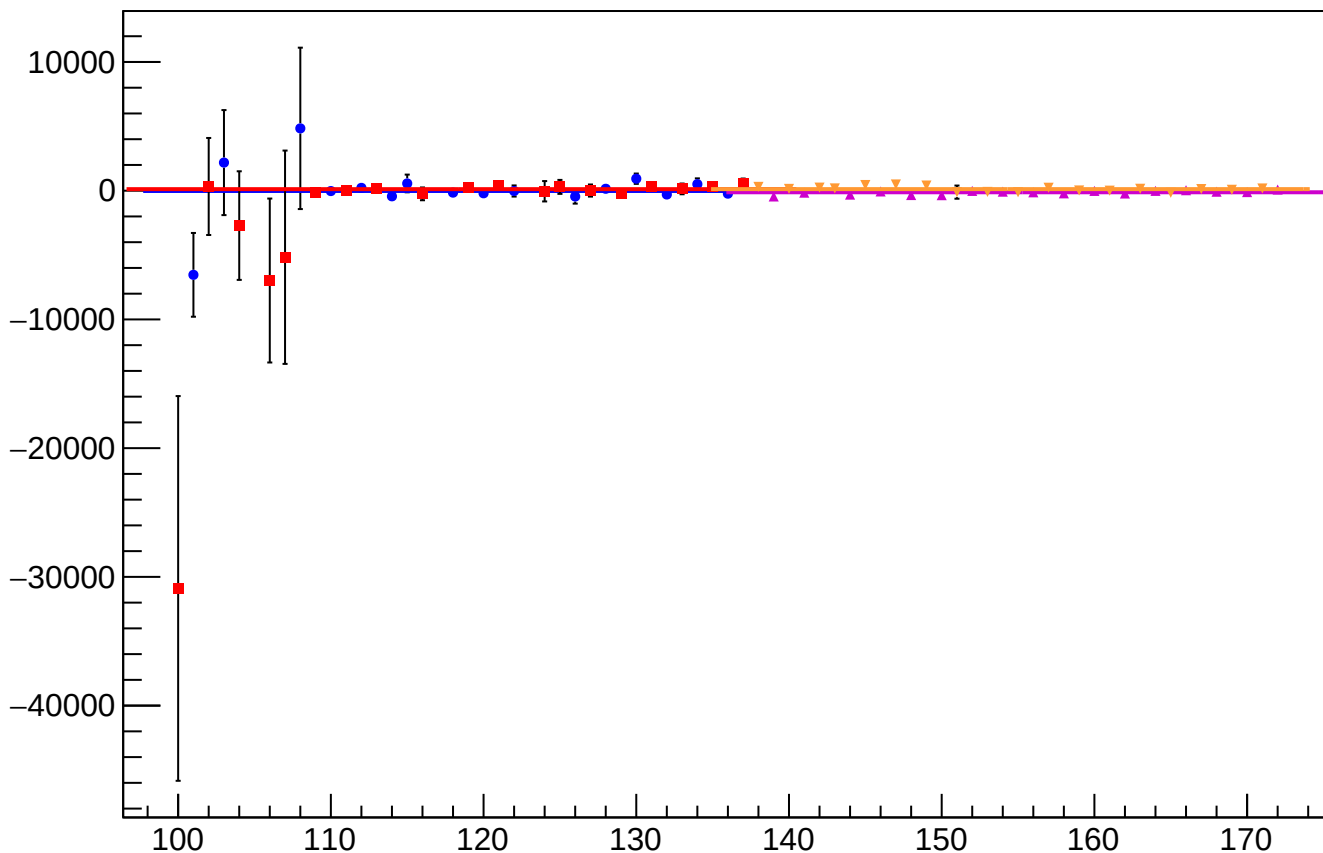
Left In: 34.535 $\pm$ 0.007 χ^2 /NDF: 49713.4/16

+ sign 34.312 $\pm$ 0.005 χ^2 /NDF: 3283601.4/33

All: 34.306 $\pm$ 0.004 χ^2 /NDF: 6864236.9/69

- sign 34.300 $\pm$ 0.006 χ^2 /NDF: 3580632.9/35

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

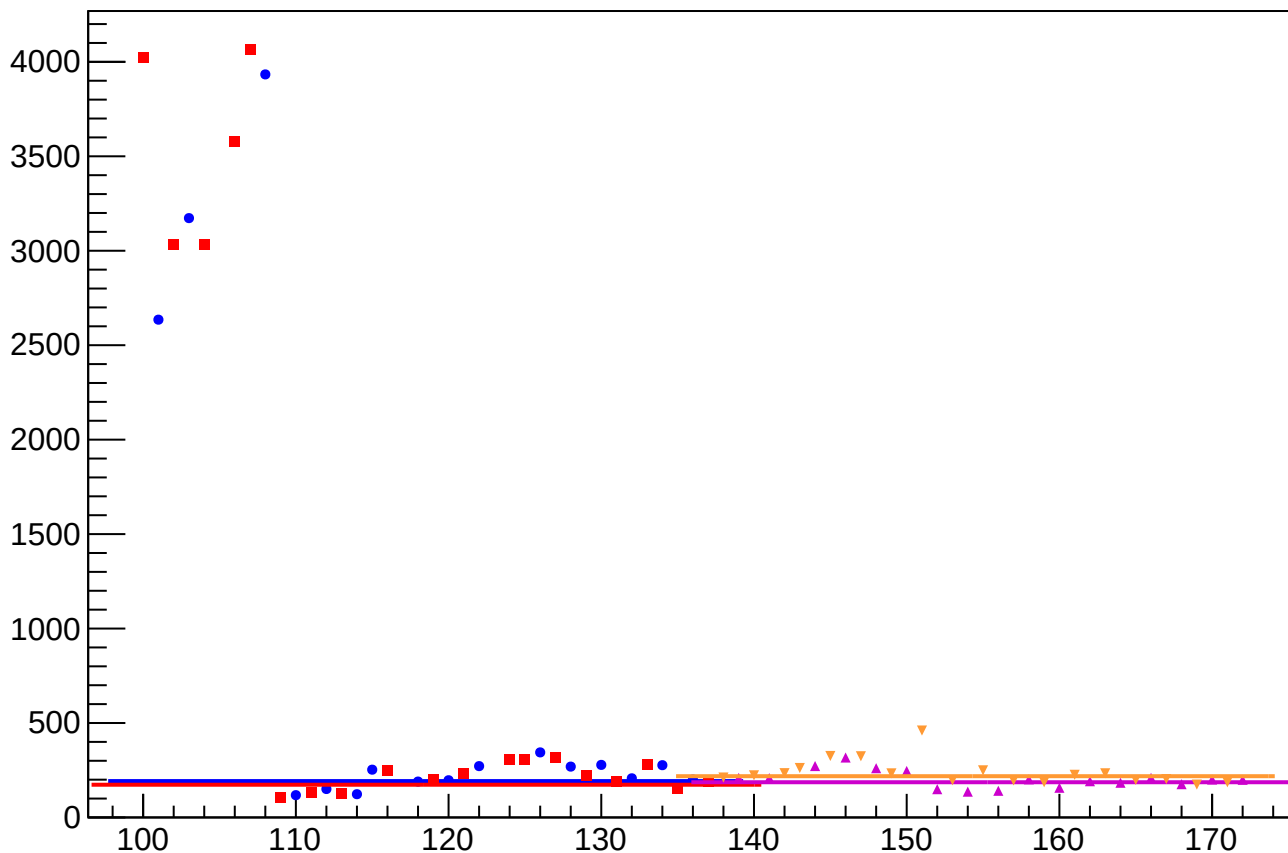
Left In: -122.120 ± 52.225 χ^2/NDF : 6.3/16

+ sign 75.296 ± 48.984 χ^2/NDF : 27.6/33

All: 6.439 ± 32.515 χ^2/NDF : 57.3/69

- sign -47.799 ± 43.474 χ^2/NDF : 26.2/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.560 $\pm$ 0.060 χ^2 /NDF: 3822789.1/15

Left Out: 218.417 $\pm$ 0.042 χ^2 /NDF: 1144125.6/17

Right Out: 173.249 $\pm$ 0.055 χ^2 /NDF: 4307420.2/18

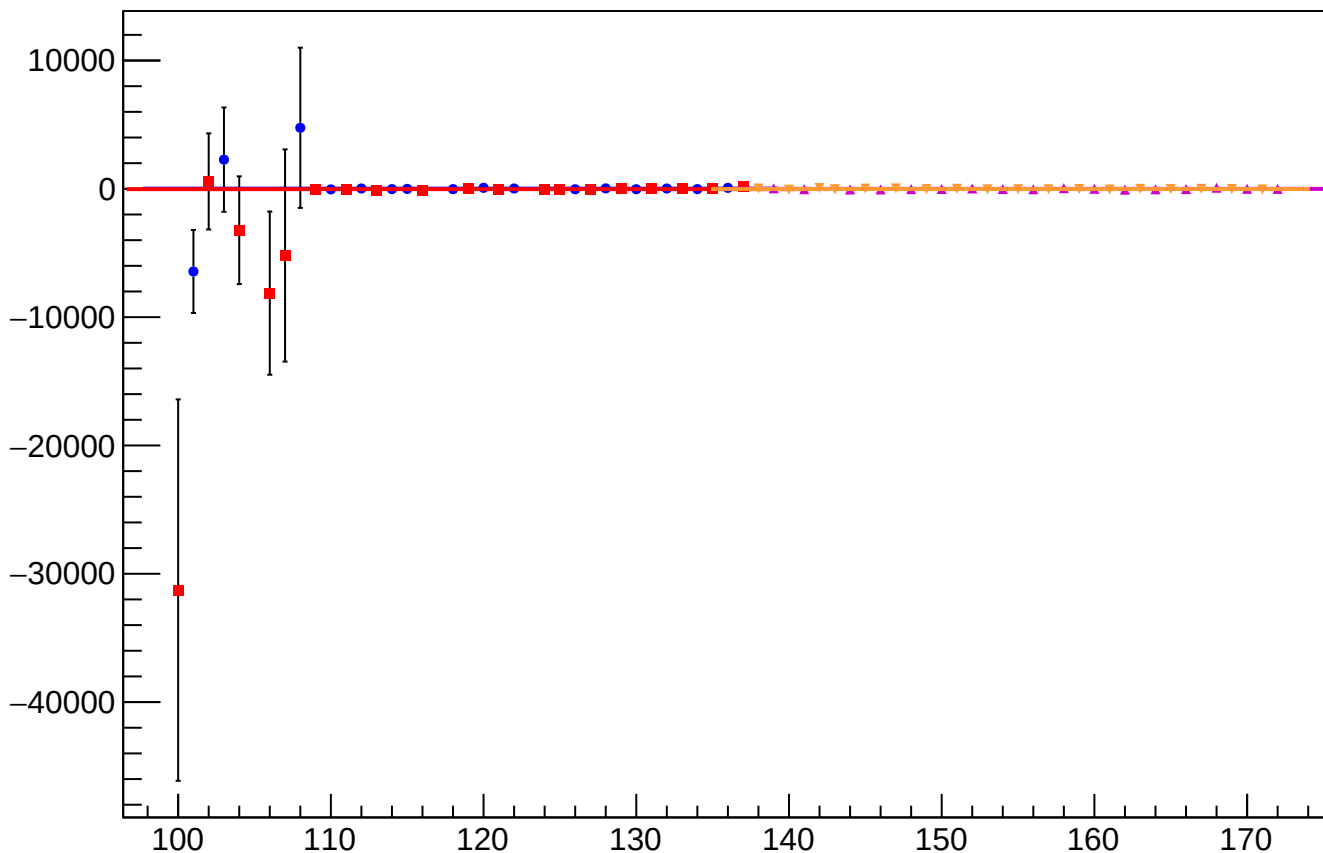
Left In: 186.435 $\pm$ 0.037 χ^2 /NDF: 1296777.3/16

+ sign 209.842 $\pm$ 0.035 χ^2 /NDF: 5090428.6/33

All: 194.483 $\pm$ 0.023 χ^2 /NDF: 11085263.7/69

- sign 182.386 $\pm$ 0.031 χ^2 /NDF: 5643343.6/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.713+/-13.062 χ^2/NDF : 15.5/15

Left Out: -17.134+/-8.296 χ^2/NDF : 12.8/17

Right Out: -23.230+/-13.181 χ^2/NDF : 28.7/18

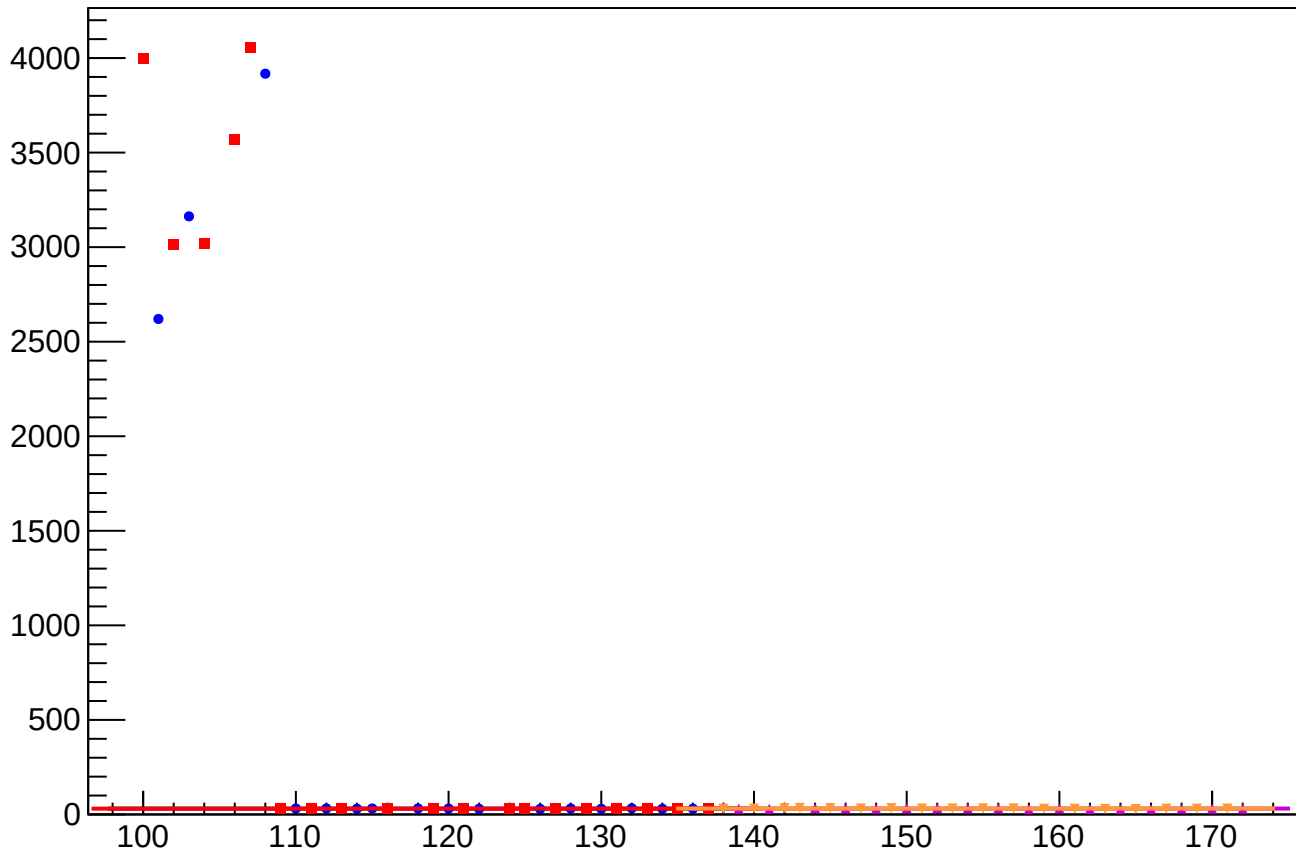
Left In: -2.838+/-8.348 χ^2/NDF : 22.5/16

+ sign -8.267+/-7.003 χ^2/NDF : 32.2/33

All: -8.470+/-4.969 χ^2/NDF : 85.2/69

- sign -8.676+/-7.053 χ^2/NDF : 52.9/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.928 $\pm$ 0.009 χ^2 /NDF: 3252607.8/15

Left Out: 31.243 $\pm$ 0.006 χ^2 /NDF: 58547.1/17

Right Out: 30.777 $\pm$ 0.009 χ^2 /NDF: 3536234.6/18

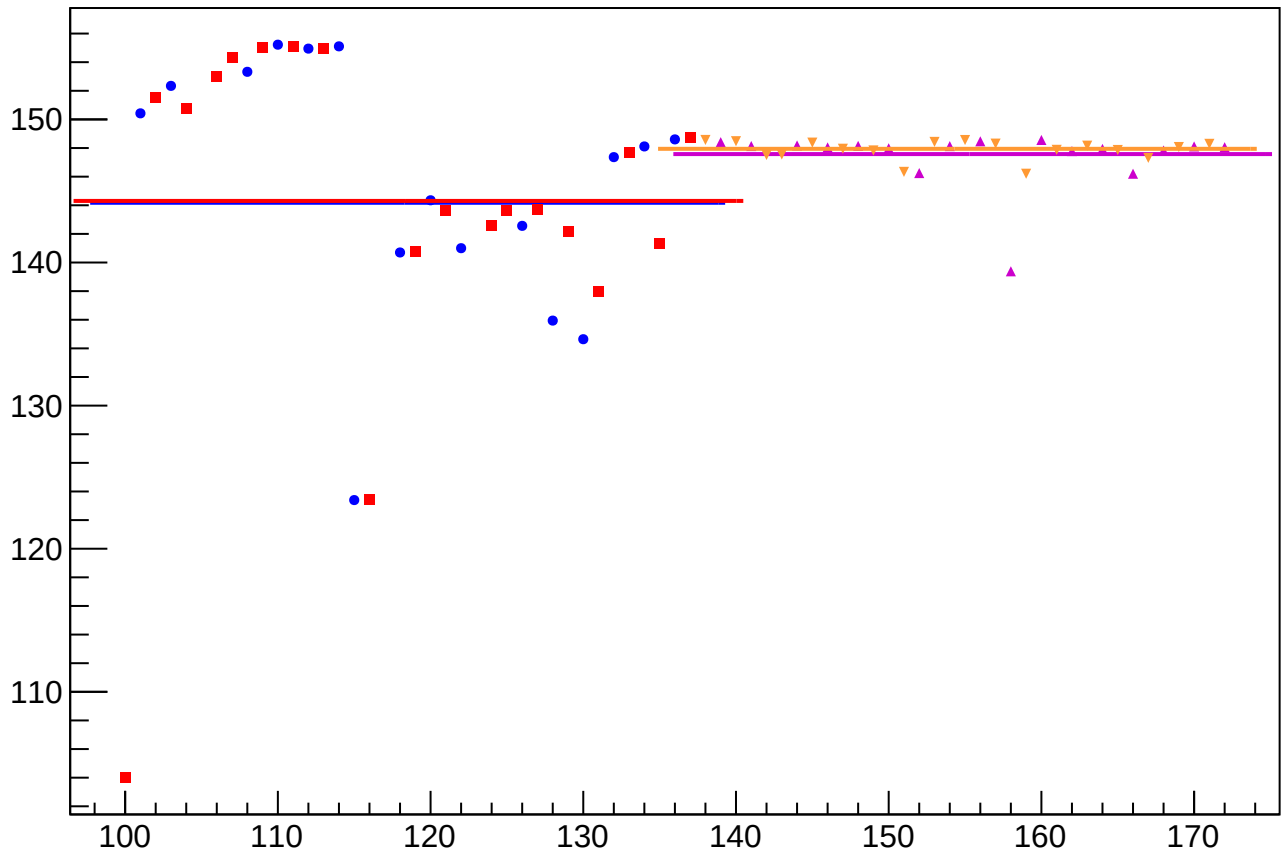
Left In: 31.176 $\pm$ 0.006 χ^2 /NDF: 77174.6/16

+ sign 31.153 $\pm$ 0.005 χ^2 /NDF: 3311984.2/33

All: 31.108 $\pm$ 0.004 χ^2 /NDF: 6926869.0/69

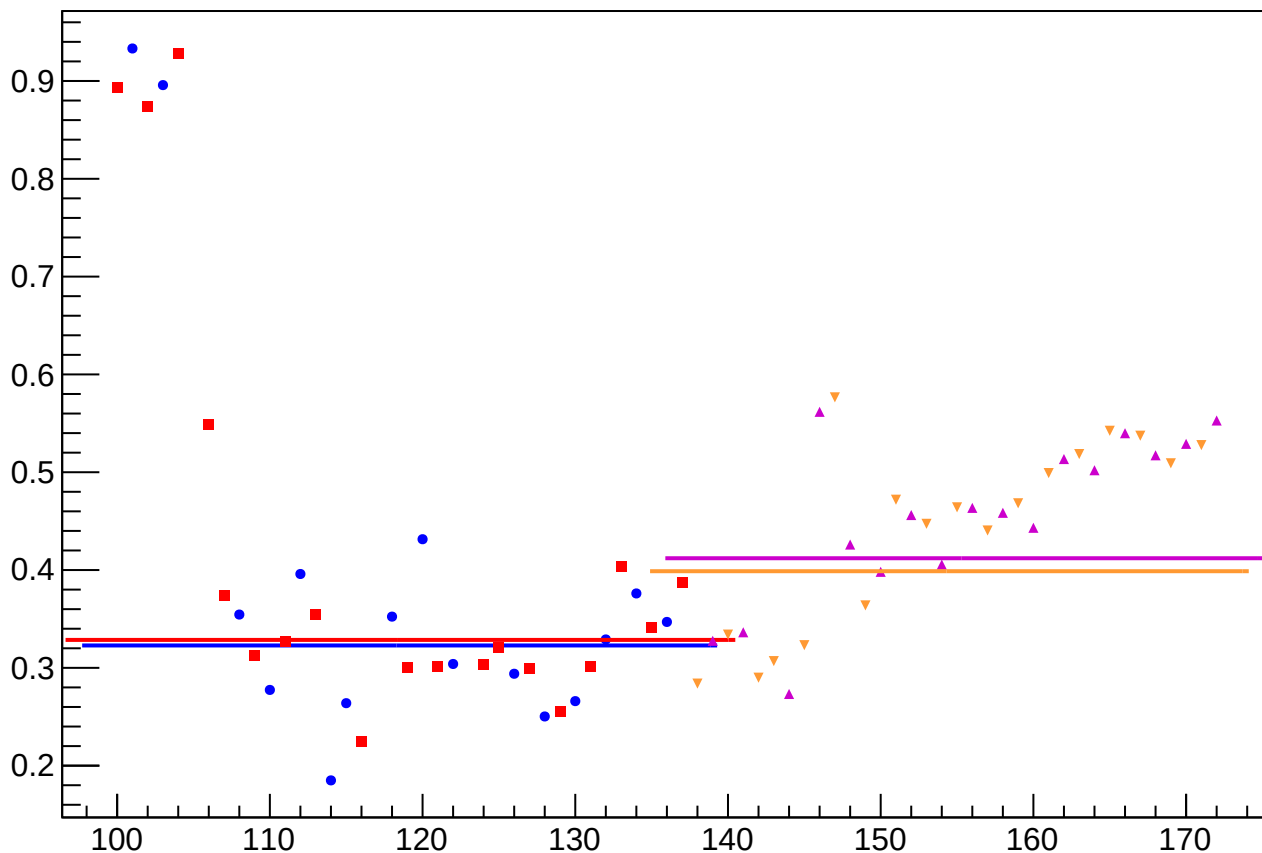
- sign 31.062 $\pm$ 0.005 χ^2 /NDF: 3614715.9/35

yield_bcm_target_mean vs Slug



Right In: 144.176+/-0.000	χ^2/NDF : 3724747268.7/15	+ sign 146.394+/-0.000	χ^2/NDF : 4236013132.7/33
Left Out: 147.946+/-0.000	χ^2/NDF : 34225977.2/17	All: 146.290+/-0.000	χ^2/NDF : 9140310308.1
Right Out: 144.304+/-0.000	χ^2/NDF : 4264494940.7/18	- sign 146.181+/-0.000	χ^2/NDF : 4901224207.0/35
Left In: 147.578+/-0.000	χ^2/NDF : 289978132.9/16		

yield_bcm_target_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

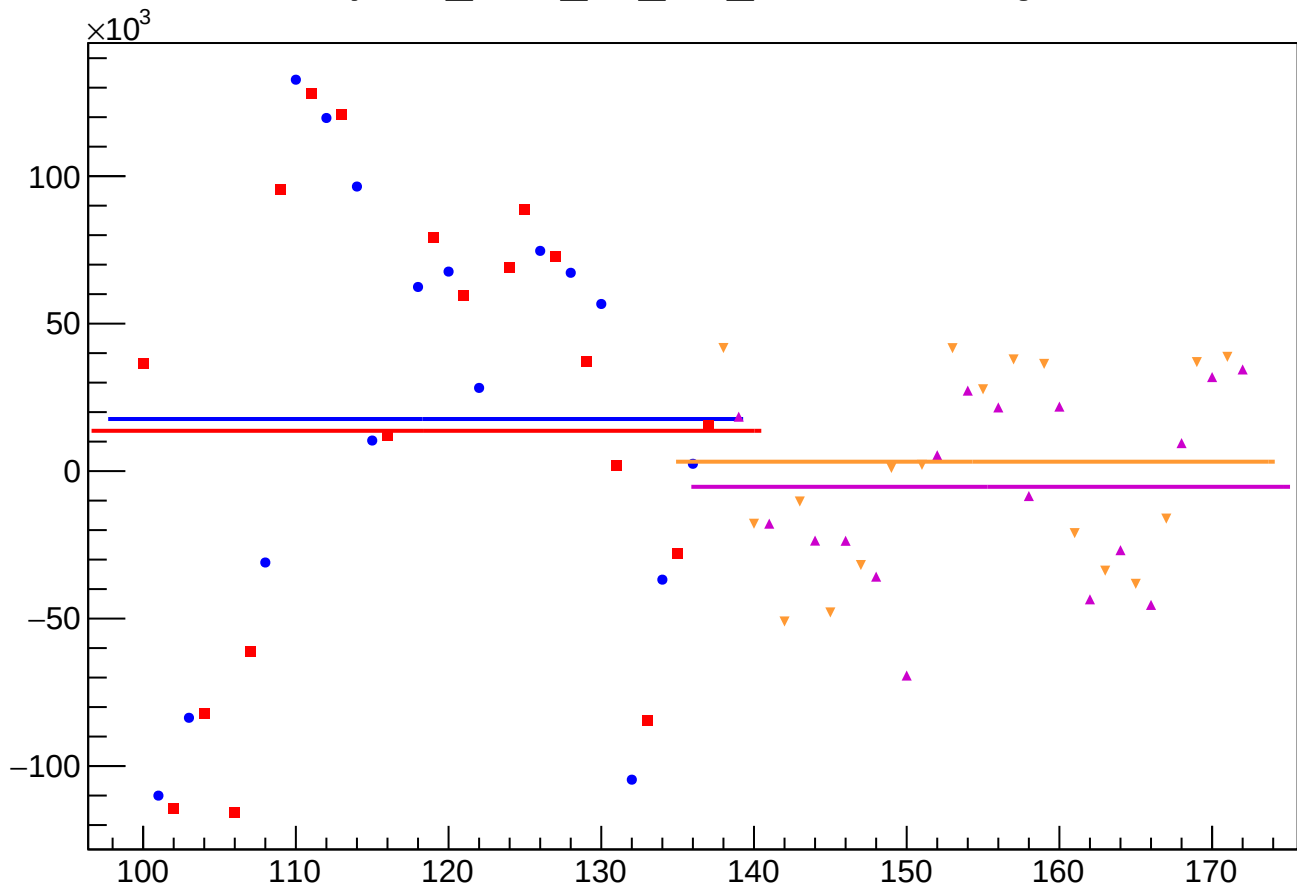
Left In: 0.412 ± 0.000 χ^2/NDF : 1239544.3/16

+ sign 0.368 ± 0.000 χ^2/NDF : 3242438.8/33

All: 0.372 ± 0.000 χ^2/NDF : 6248089.2/69

- sign 0.376 ± 0.000 χ^2/NDF : 2994977.6/35

yield_bcm_an_diff_mean vs Slug



Right In: 17663.790 $\pm$ 2.006 χ^2 /NDF: 1398738701.8/15

Left Out: 3193.200 $\pm$ 1.292 χ^2 /NDF:619966509.8/17

Right Out: 13666.312 $\pm$ 1.925 χ^2 /NDF: 1856962869.6/18

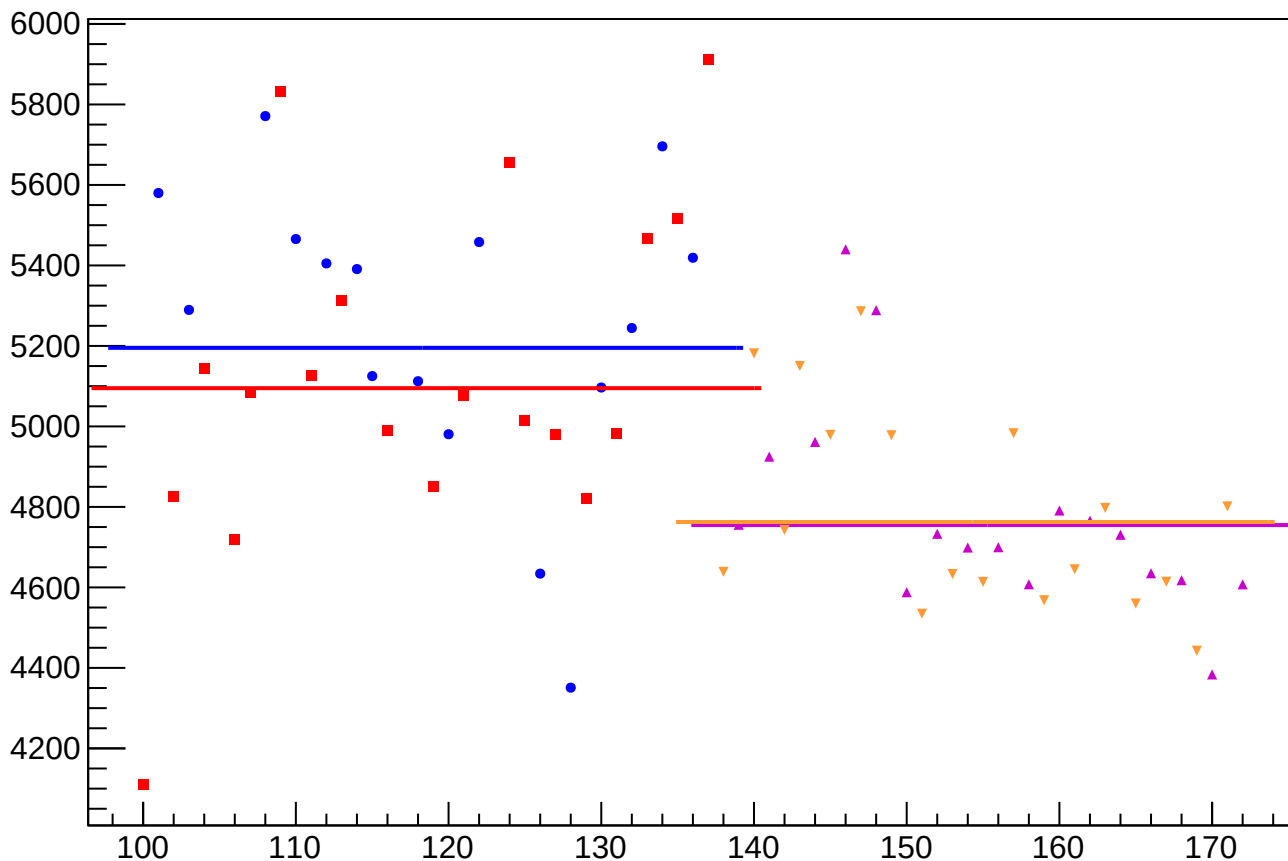
Left In: -5323.575 $\pm$ 1.301 χ^2 /NDF:566719679.3/16

+ sign 7438.178 $\pm$ 1.086 χ^2 /NDF: 2055494320.1/33

All: 4006.694 $\pm$ 0.765 χ^2 /NDF: 4565797703.0/35

- sign 628.889 $\pm$ 1.078 χ^2 /NDF: 2490500057.0/35

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

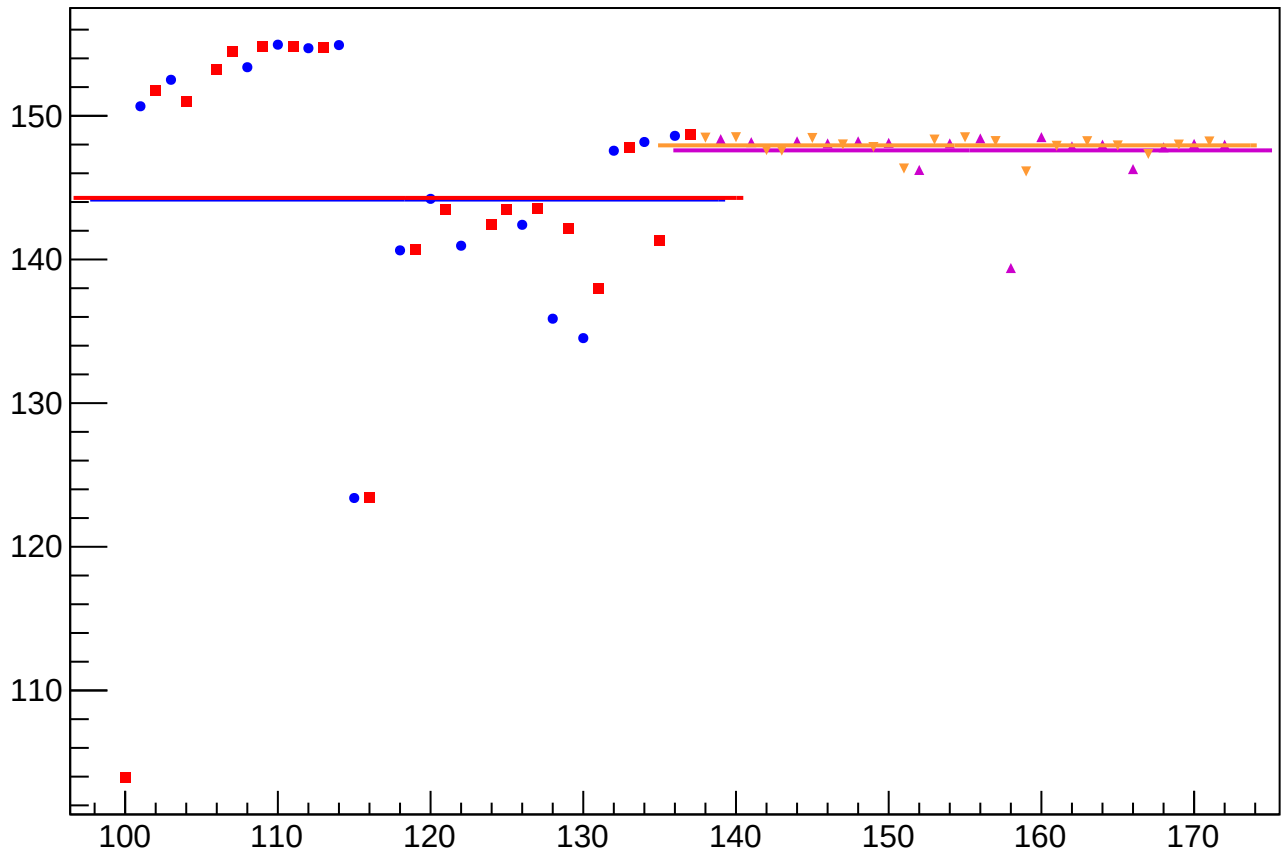
Left In: 4754.883+/-0.920 χ^2/NDF : 65883.4/16

+ sign 4889.470+/-0.768 χ^2/NDF : 209908.7/33

All: 4875.379+/-0.541 χ^2/NDF : 378451.9/69

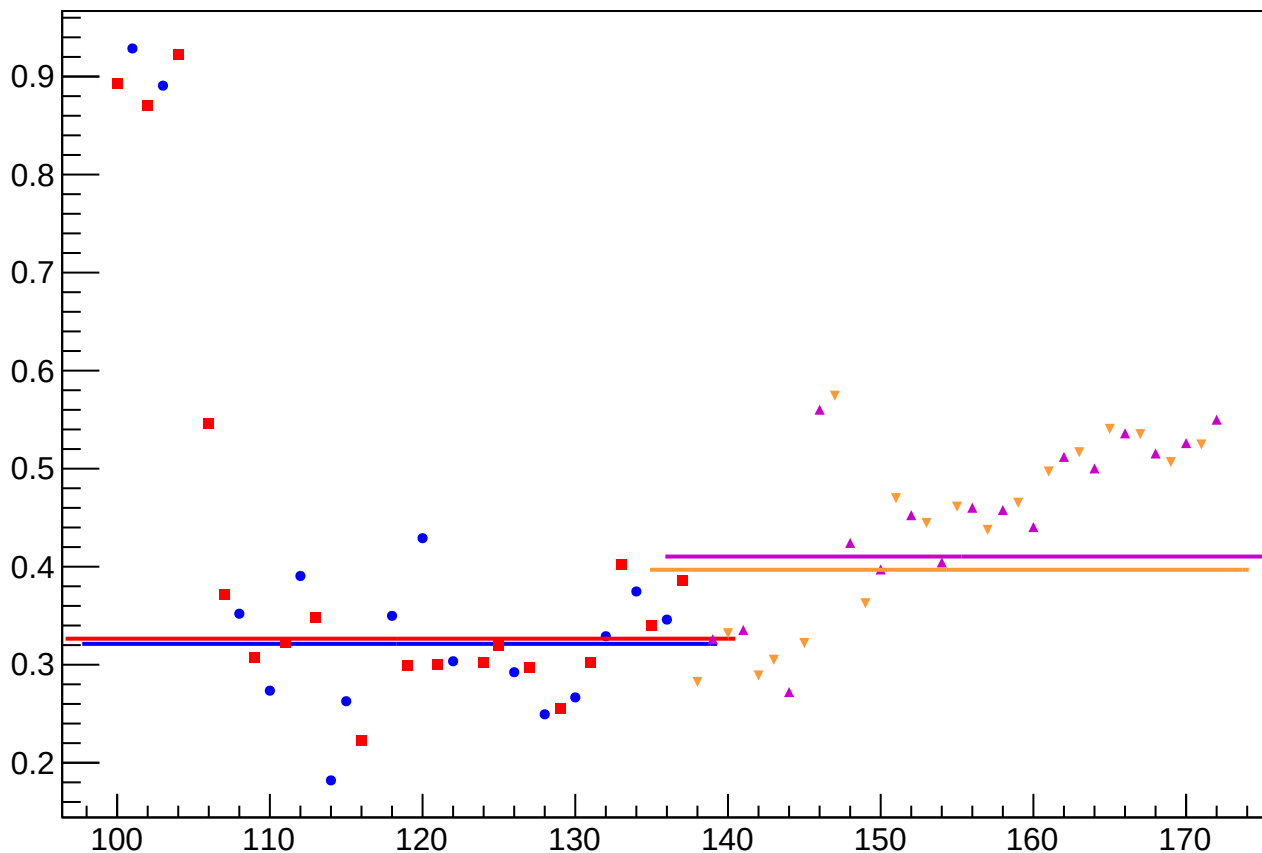
- sign 4861.509+/-0.762 χ^2/NDF : 167875.4/35

yield_bcm_an_ds_mean vs Slug



Right In: 144.172 $\pm$ 0.000	χ^2 /NDF: 3764836520.0/15	+ sign 146.391 $\pm$ 0.000	χ^2 /NDF: 4281395902.3/33
Left Out: 147.944 $\pm$ 0.000	χ^2 /NDF: 34018240.0/17	All: 146.288 $\pm$ 0.000	χ^2 /NDF: 9222989306.7
Right Out: 144.286 $\pm$ 0.000	χ^2 /NDF: 4290223847.7/18	- sign 146.180 $\pm$ 0.000	χ^2 /NDF: 4938559150.6/35
Left In: 147.595 $\pm$ 0.000	χ^2 /NDF: 290327920.7/16		

yield_bcm_an_ds_rms vs Slug



Right In: 0.321 ± 0.000 χ^2/NDF : 1396250.7/15

Left Out: 0.397 ± 0.000 χ^2/NDF : 1459659.3/17

Right Out: 0.327 ± 0.000 χ^2/NDF : 1302732.4/18

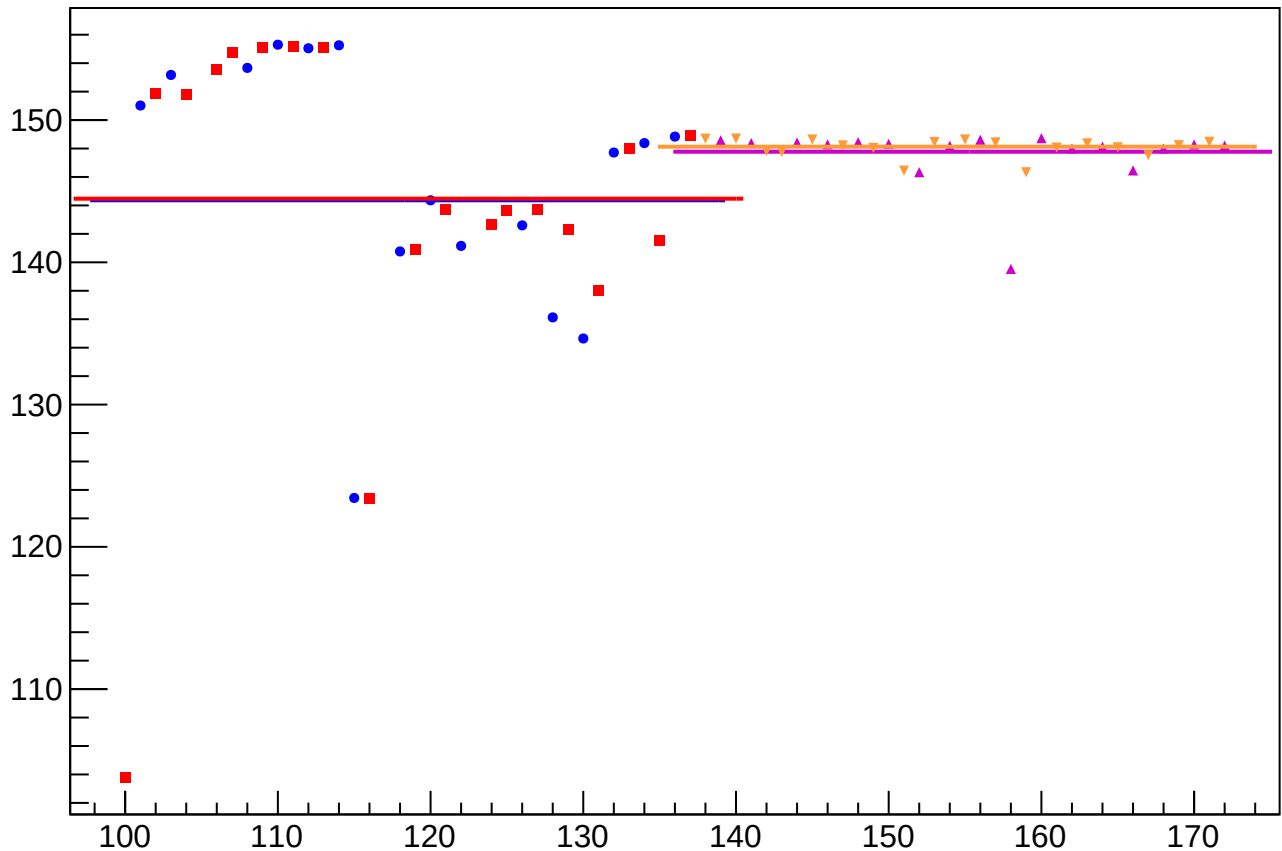
Left In: 0.410 ± 0.000 χ^2/NDF : 1236058.5/16

+ sign 0.366 ± 0.000 χ^2/NDF : 3243326.8/33

All: 0.370 ± 0.000 χ^2/NDF : 6251787.4/69

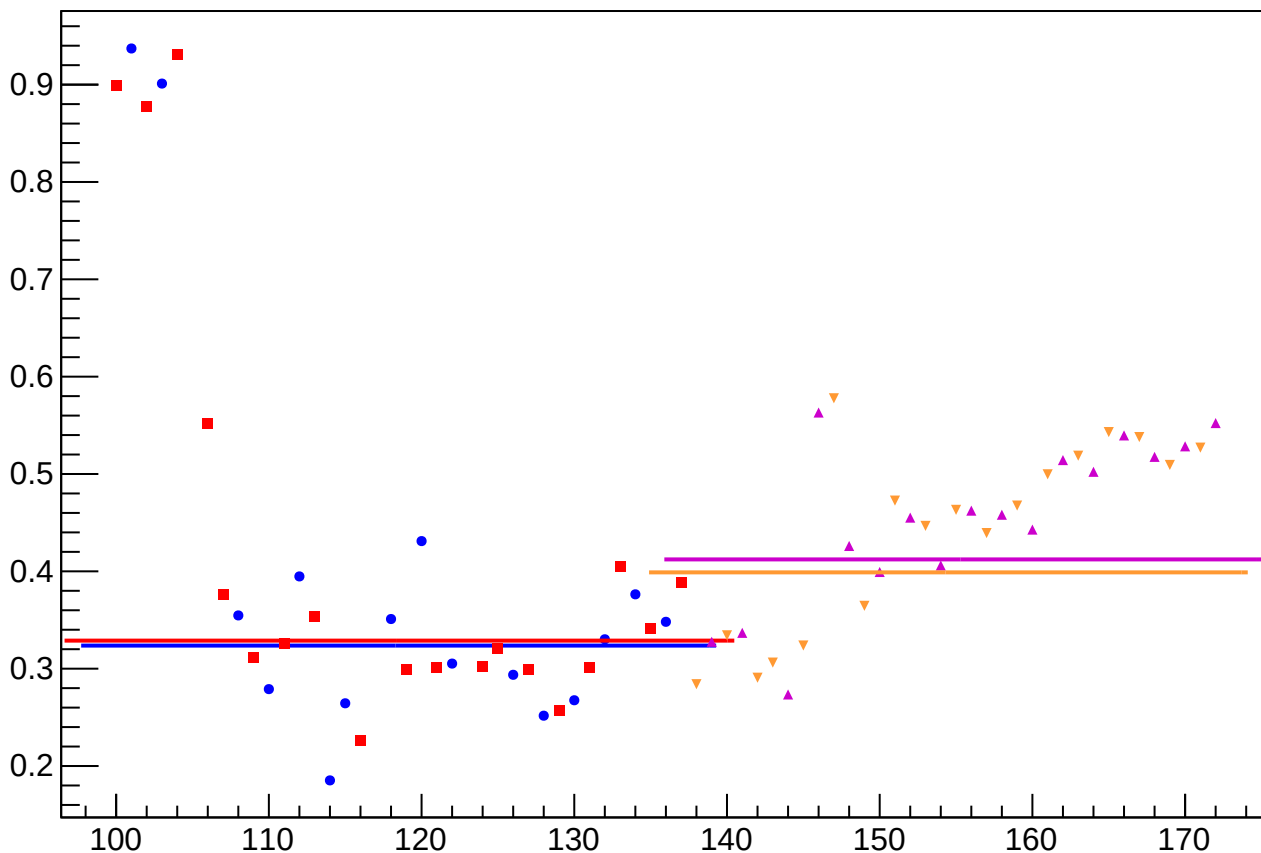
- sign 0.375 ± 0.000 χ^2/NDF : 2997963.3/35

yield_bcm_an_ds3_mean vs Slug



Right In: 144.361+/-0.000	χ^2/NDF : 3758625293.6/15	+ sign 146.580+/-0.000	χ^2/NDF : 4267765802.9/33
Left Out: 148.128+/-0.000	χ^2/NDF : 34127973.1/17	All: 146.476+/-0.000	χ^2/NDF : 9199780099.3
Right Out: 144.475+/-0.000	χ^2/NDF : 4281975463.8/18	- sign 146.367+/-0.000	χ^2/NDF : 4928946545.8/35
Left In: 147.775+/-0.000	χ^2/NDF : 294805017.7/16		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324 ± 0.000 $\chi^2/\text{NDF}: 1392377.9/15$

Left Out: 0.399 ± 0.000 $\chi^2/\text{NDF}: 1457093.4/17$

Right Out: 0.329 ± 0.000 $\chi^2/\text{NDF}: 1303222.2/18$

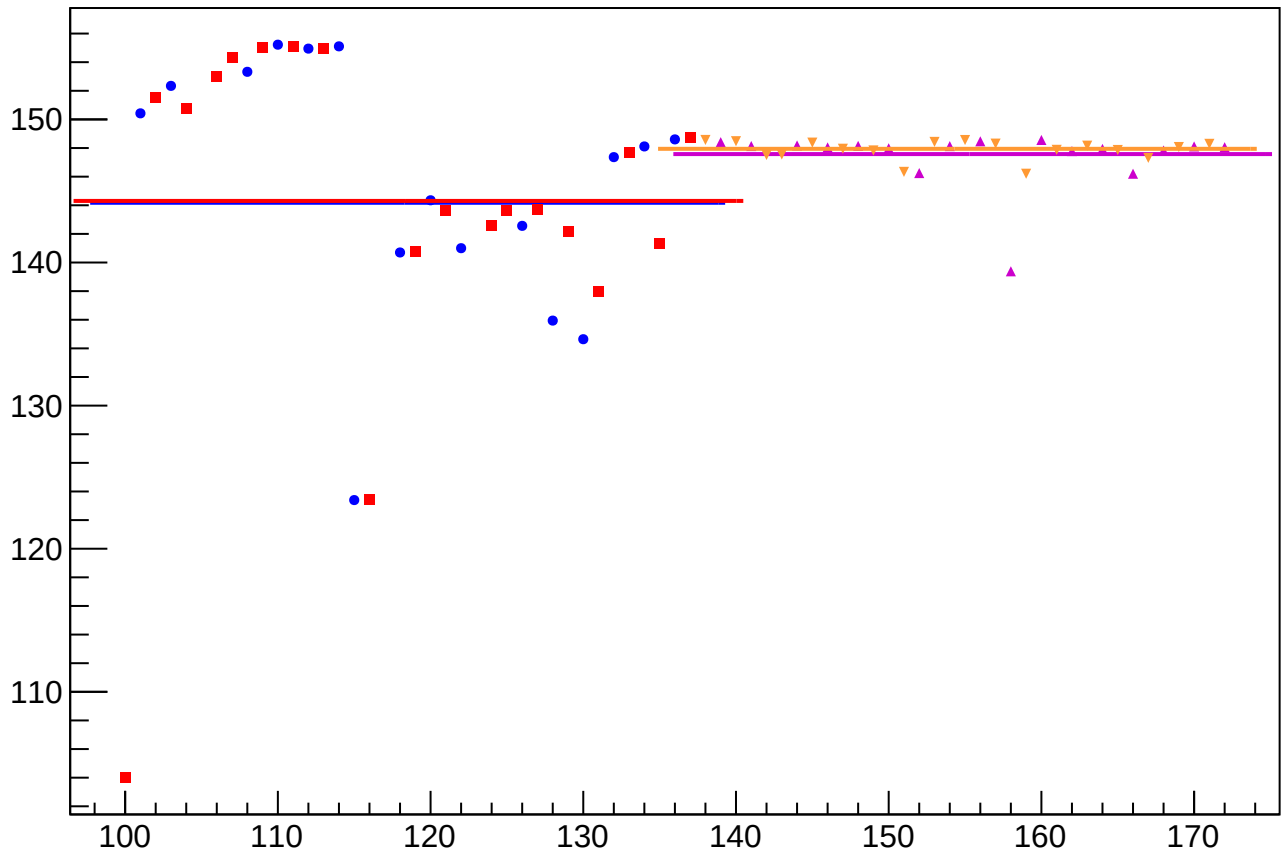
Left In: 0.412 ± 0.000 $\chi^2/\text{NDF}: 1234857.0/16$

+ sign 0.368 ± 0.000 $\chi^2/\text{NDF}: 3228291.2/33$

All: 0.372 ± 0.000 $\chi^2/\text{NDF}: 6226311.4/69$

- sign 0.377 ± 0.000 $\chi^2/\text{NDF}: 2987975.9/35$

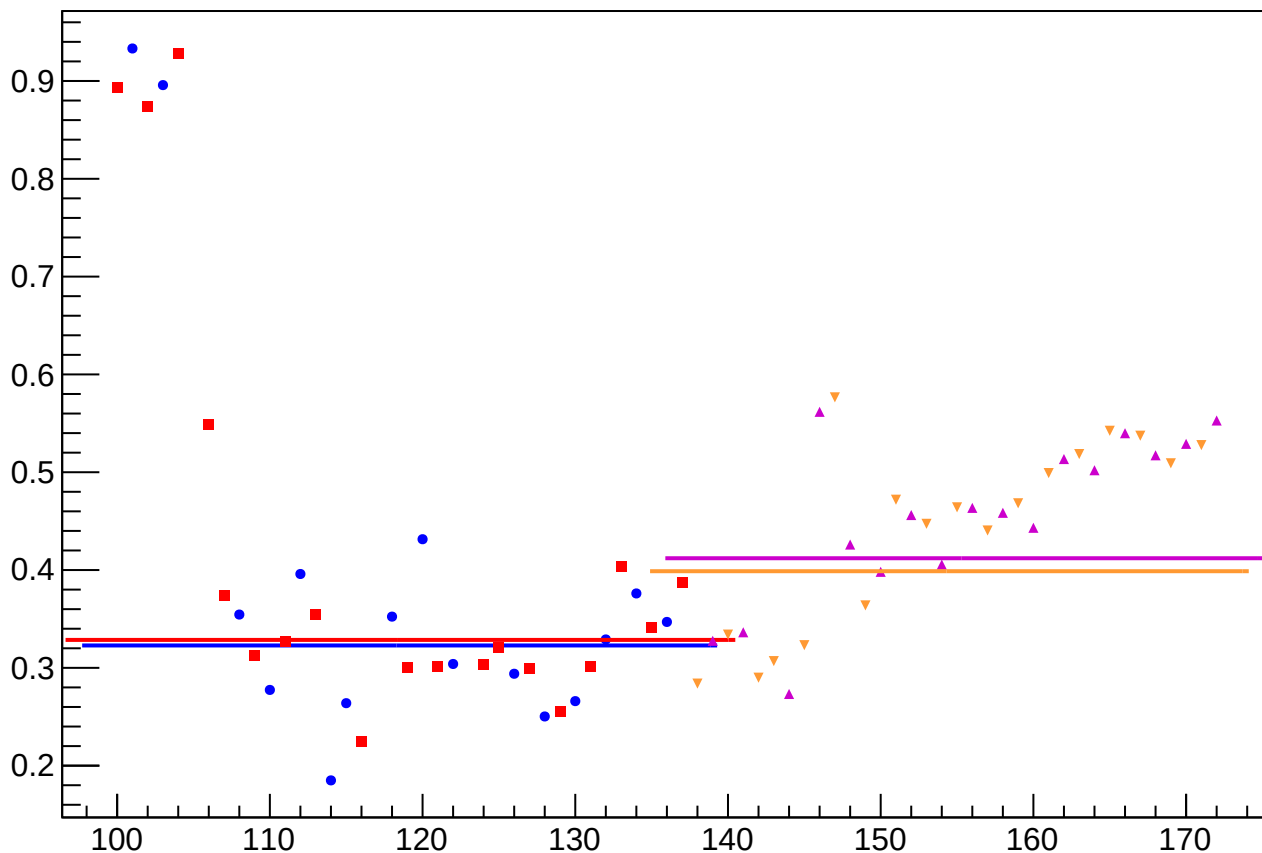
yield_bcm_an_us_mean vs Slug



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: 147.578 ± 0.000 χ^2/NDF : 289978132.9/16

+ sign 146.394 ± 0.000 χ^2/NDF : 4236013132.7/33
 All: 146.290 ± 0.000 χ^2/NDF : 9140310308.1
 - sign 146.181 ± 0.000 χ^2/NDF : 4901224207.0/35

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

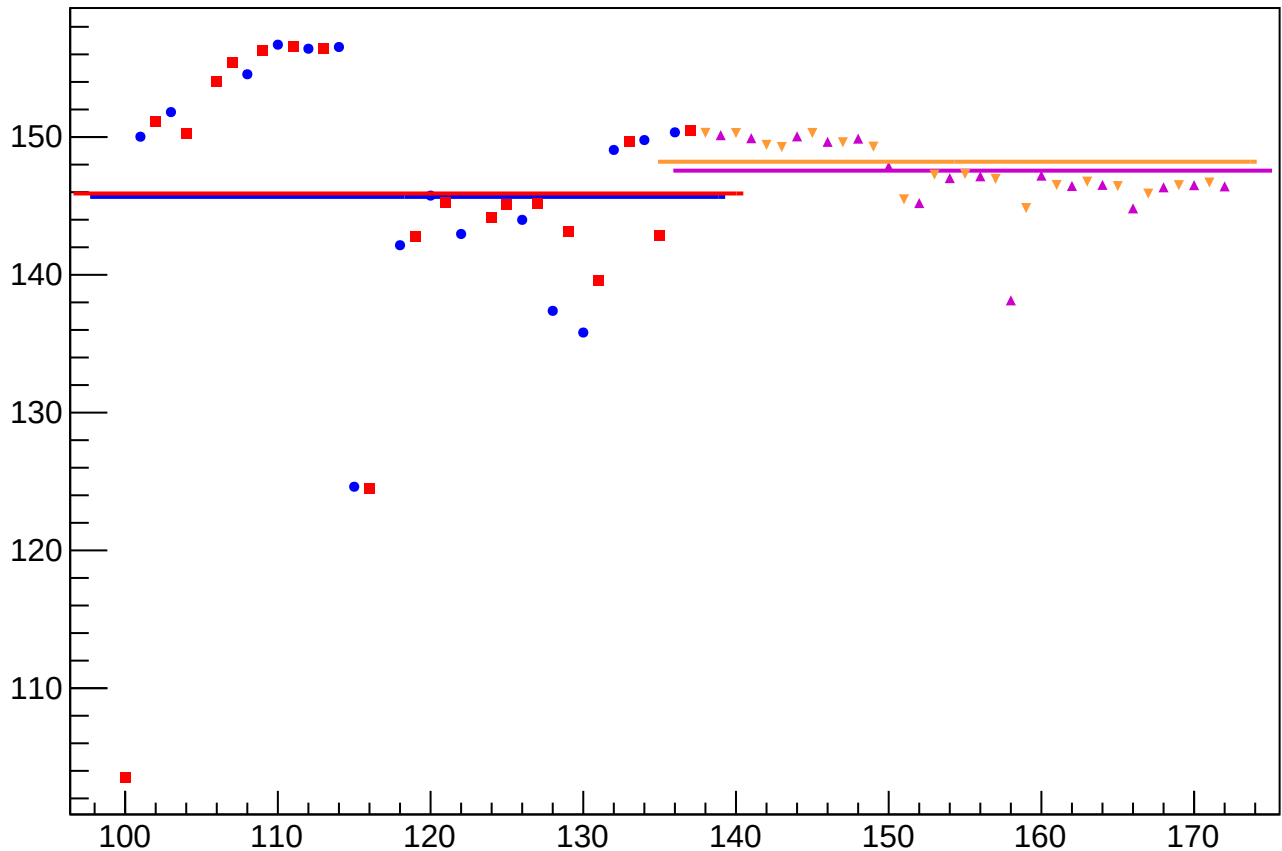
Left In: 0.412+/-0.000 χ^2/NDF :1239544.3/16

+ sign 0.368+/-0.000 χ^2/NDF : 3242438.8/33

All: 0.372+/-0.000 χ^2/NDF : 6248089.2/69

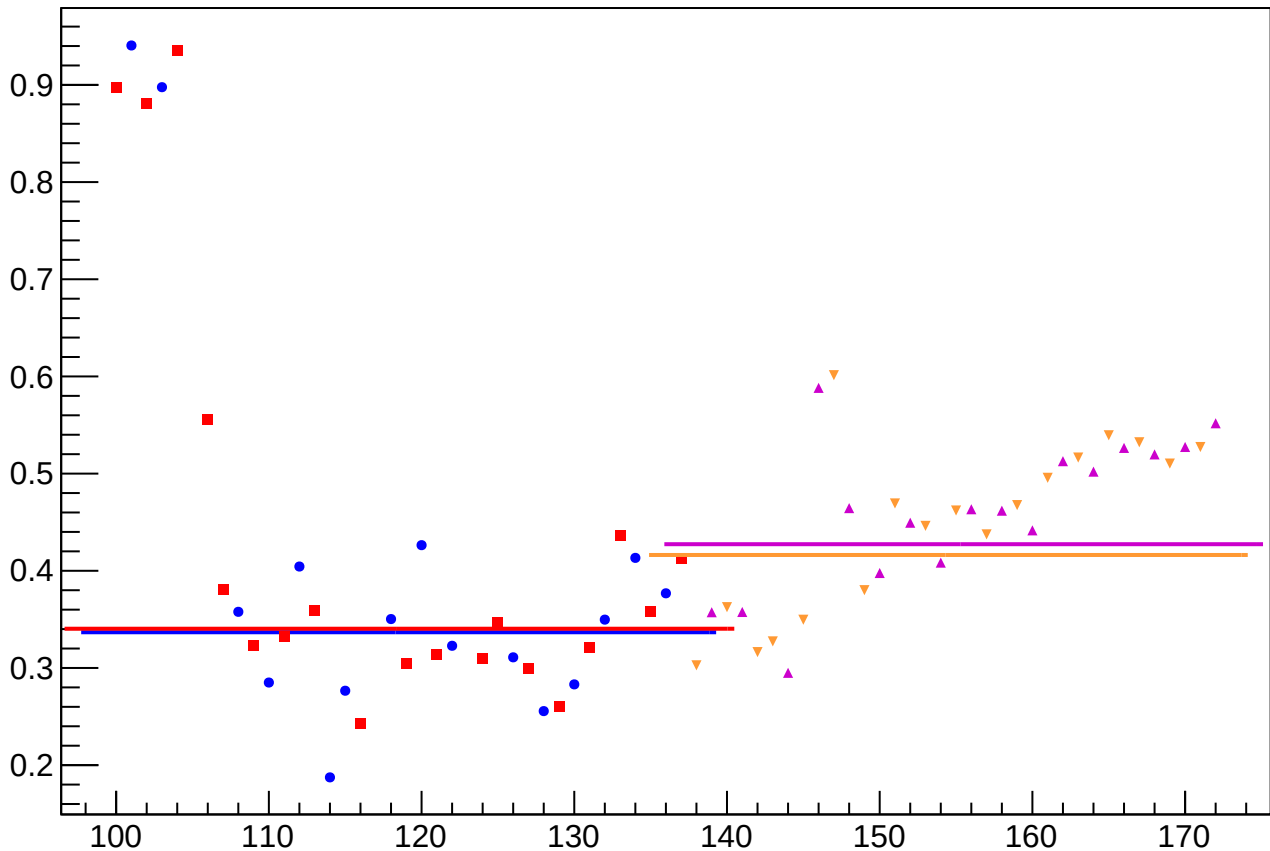
- sign 0.376+/-0.000 χ^2/NDF : 2994977.6/35

yield_bcm_dg_us_mean vs Slug



Right In: 145.657+/-0.000	χ^2/NDF : 3481495345.2/15	+ sign 147.165+/-0.000	χ^2/NDF : 3931275221.2/33
Left Out: 148.210+/-0.000	χ^2/NDF : 247908508.8/17	All: 147.014+/-0.000	χ^2/NDF : 8442282569.0
Right Out: 145.904+/-0.000	χ^2/NDF : 3863011865.2/18	- sign 146.858+/-0.000	χ^2/NDF : 4505097095.9/35
Left In: 147.562+/-0.000	χ^2/NDF : 558962313.1/16		

yield_bcm_dg_us_rms vs Slug



Right In: 0.337 $\pm$ 0.000 χ^2 /NDF: 1370512.1/15

Left Out: 0.416 $\pm$ 0.000 χ^2 /NDF:1086603.2/17

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 1274717.4/18

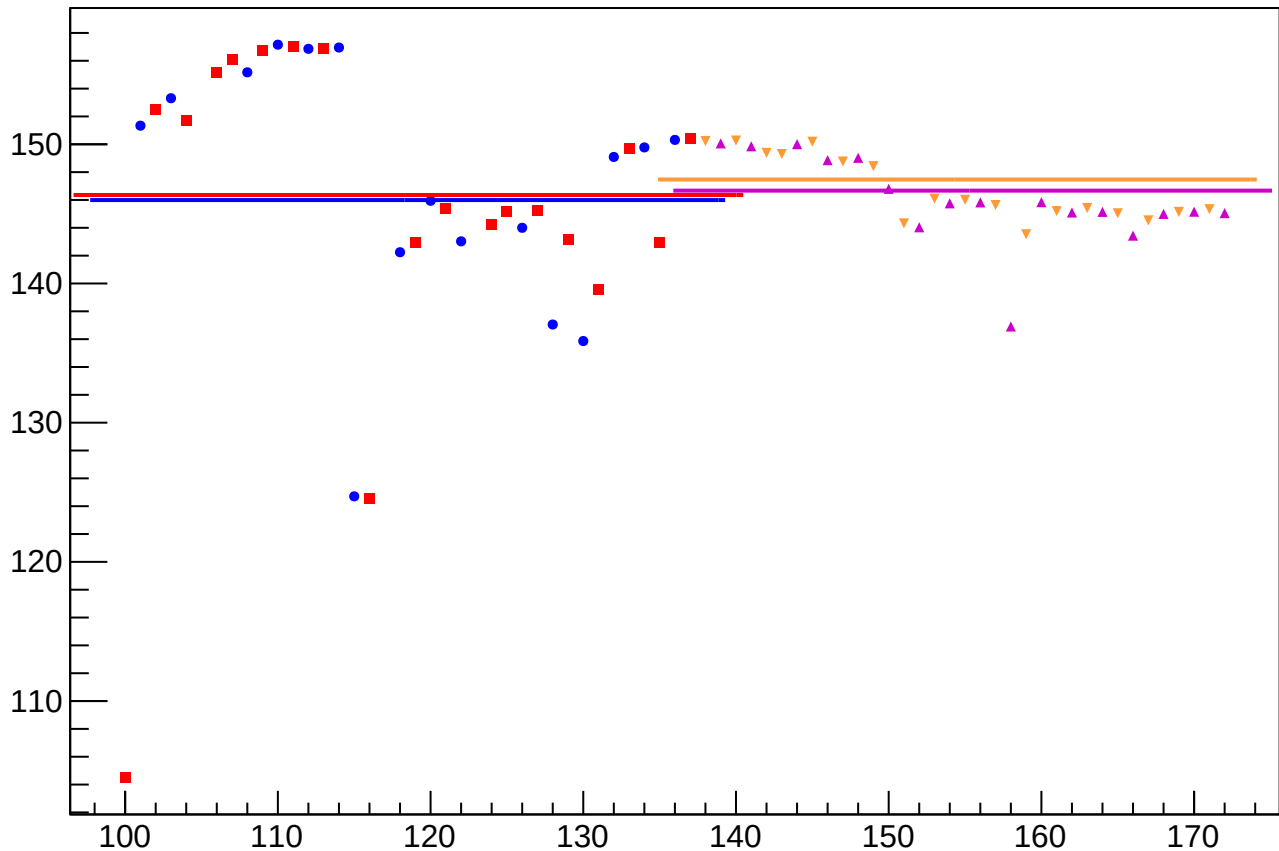
Left In: 0.427 $\pm$ 0.000 χ^2 /NDF:949038.6/16

+ sign 0.384 $\pm$ 0.000 χ^2 /NDF: 2848938.9/33

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 5536250.3/69

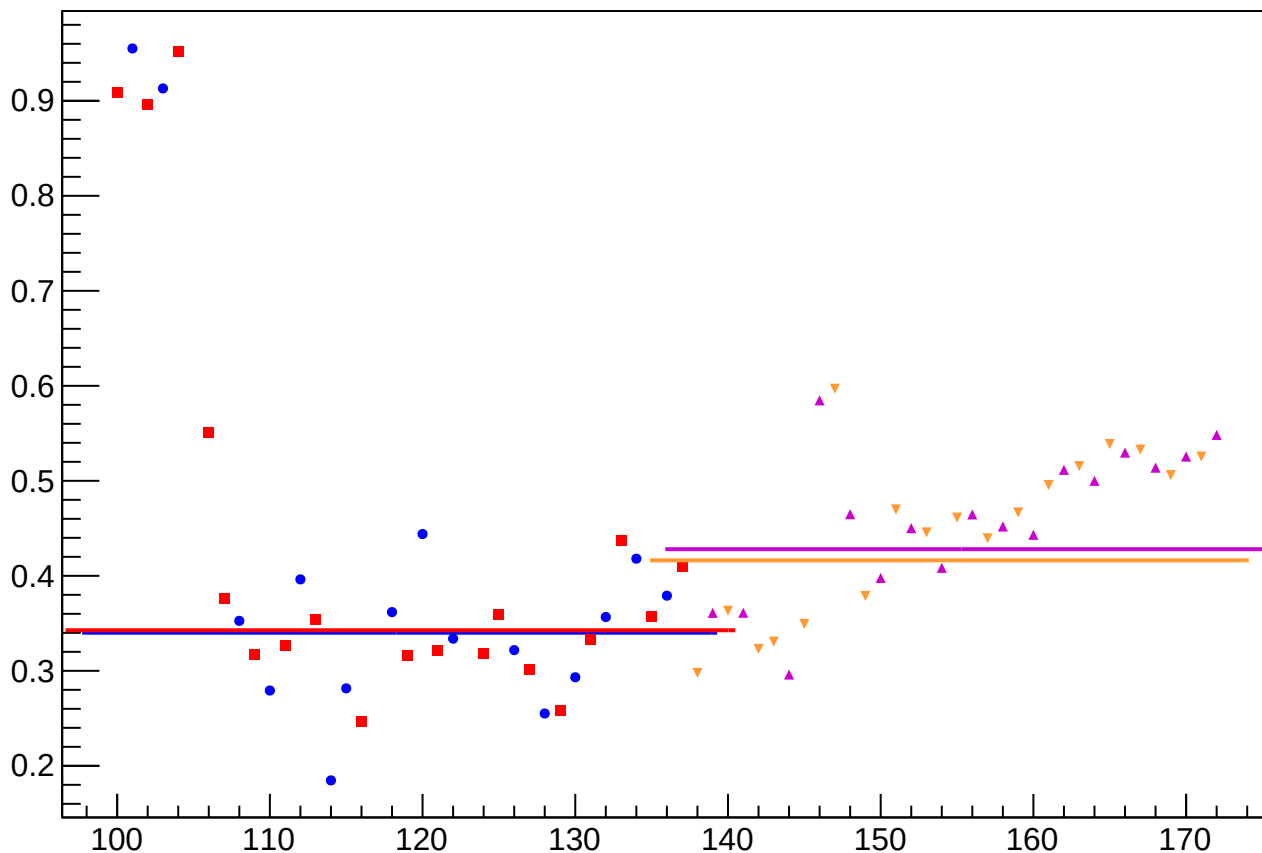
- sign 0.390 $\pm$ 0.000 χ^2 /NDF: 2681620.6/35

yield_bcm_dg_ds_mean vs Slug



Right In: 145.993+/-0.000	χ^2/NDF : 3621634656.4/15	+ sign 146.873+/-0.000	χ^2/NDF : 4109283127.9/33
Left Out: 147.470+/-0.000	χ^2/NDF : 421026170.6/17	All: 146.709+/-0.000	χ^2/NDF : 8825244980.8
Right Out: 146.358+/-0.000	χ^2/NDF : 3963122316.1/18	- sign 146.540+/-0.000	χ^2/NDF : 4709019492.3/35
Left In: 146.671+/-0.000	χ^2/NDF : 742963850.2/16		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.340 $\pm$ 0.000 χ^2 /NDF: 1393222.3/15

Left Out: 0.416 $\pm$ 0.000 χ^2 /NDF:1073733.3/17

Right Out: 0.343 $\pm$ 0.000 χ^2 /NDF: 1270731.2/18

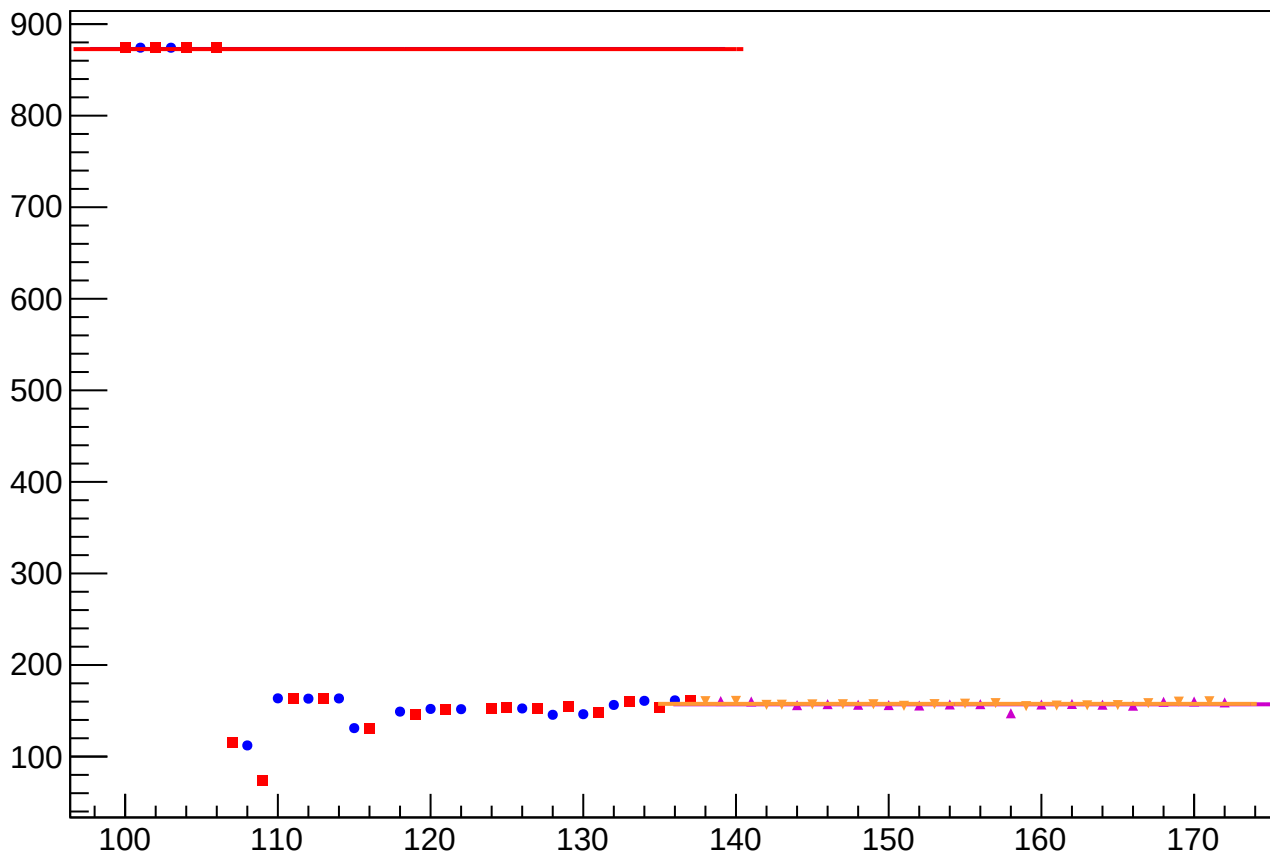
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF:905562.7/16

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 2821262.8/33

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 5438967.0/69

- sign 0.392 $\pm$ 0.000 χ^2 /NDF: 2612352.6/35

yield_cav4bQ_mean vs Slug



Right In: 872.822 $\pm$ 0.000 χ^2 /NDF: 7191496833472.3/15

Left Out: 157.569 $\pm$ 0.000 χ^2 /NDF: 88539759.1/17

Right Out: 872.676 $\pm$ 0.000 χ^2 /NDF: 9167298490018.9/18

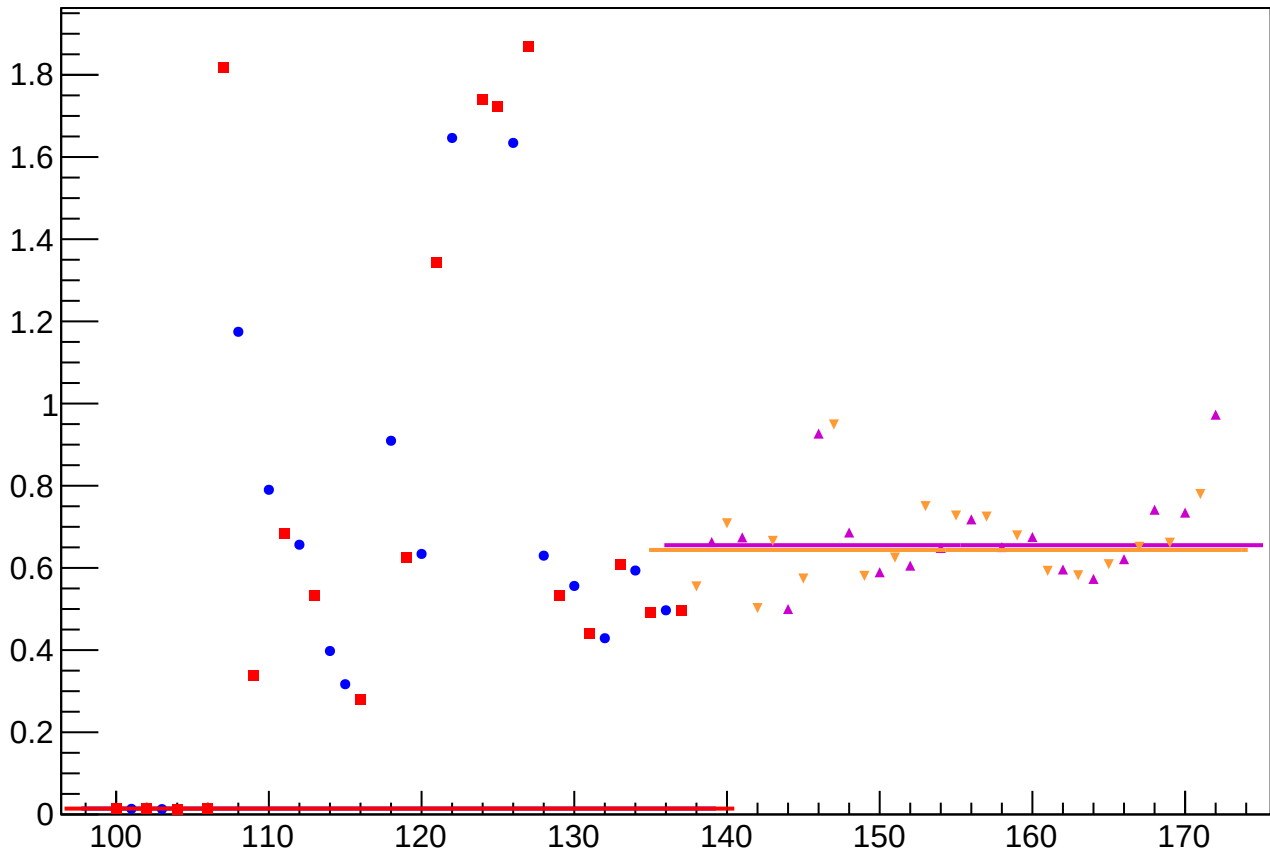
Left In: 157.071 $\pm$ 0.000 χ^2 /NDF: 201017151.4/16

+ sign 870.269 $\pm$ 0.000 χ^2 /NDF: 20201620132400.0

All: 870.432 $\pm$ 0.000 χ^2 /NDF: 417183899237.0

- sign 870.574 $\pm$ 0.000 χ^2 /NDF: 21516414463716.2

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

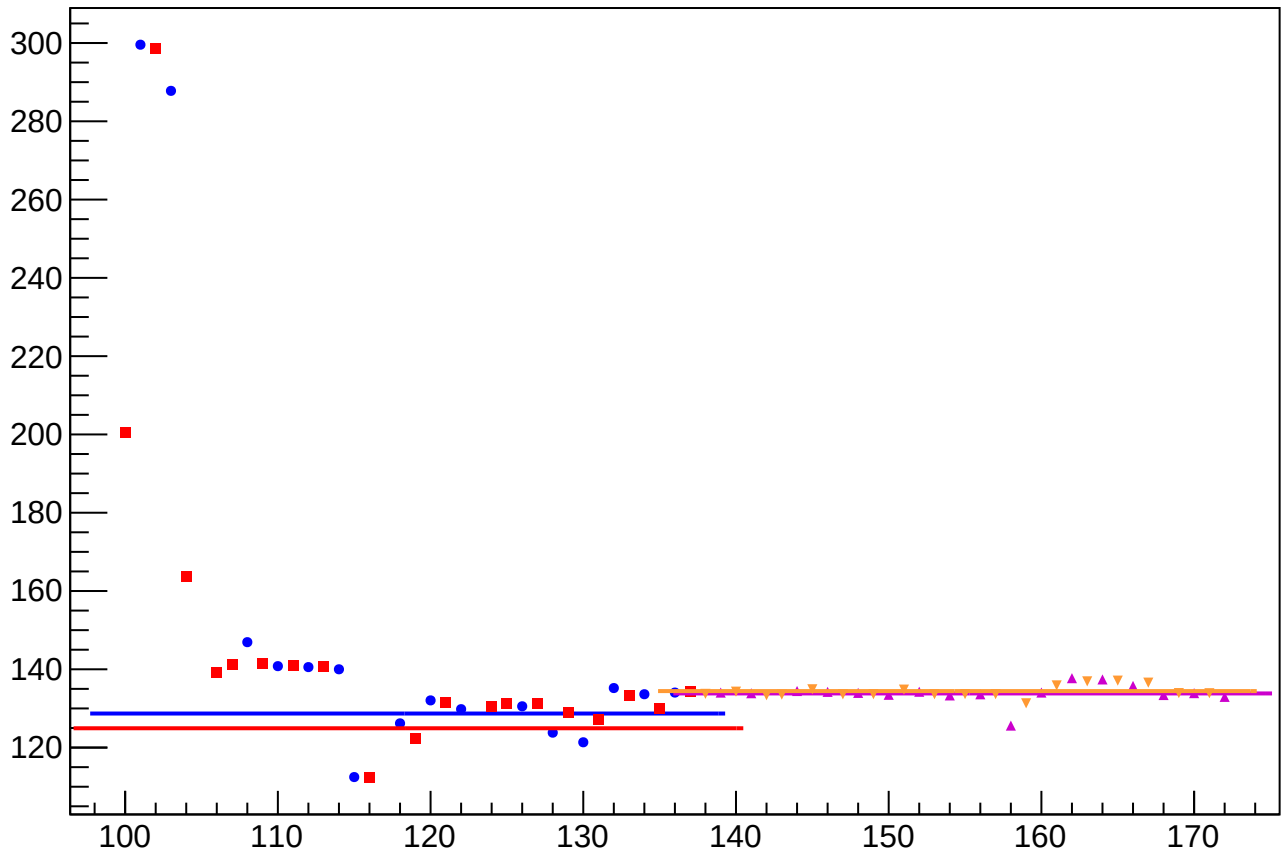
Left In: 0.655+/-0.000 χ^2/NDF :451356.3/16

+ sign 0.017+/-0.000 χ^2/NDF : 30120622.9/33

All: 0.016+/-0.000 χ^2/NDF : 59805853.6/69

- sign 0.016+/-0.000 χ^2/NDF : 29683286.3/35

yield_cav4cQ_mean vs Slug



Right In: 128.701 $\pm$ 0.000 χ^2 /NDF: 1656162604.0/15

Left Out: 134.432 $\pm$ 0.000 χ^2 /NDF: 116620927.4/17

Right Out: 124.935 $\pm$ 0.000 χ^2 /NDF: 1397923053.7/18

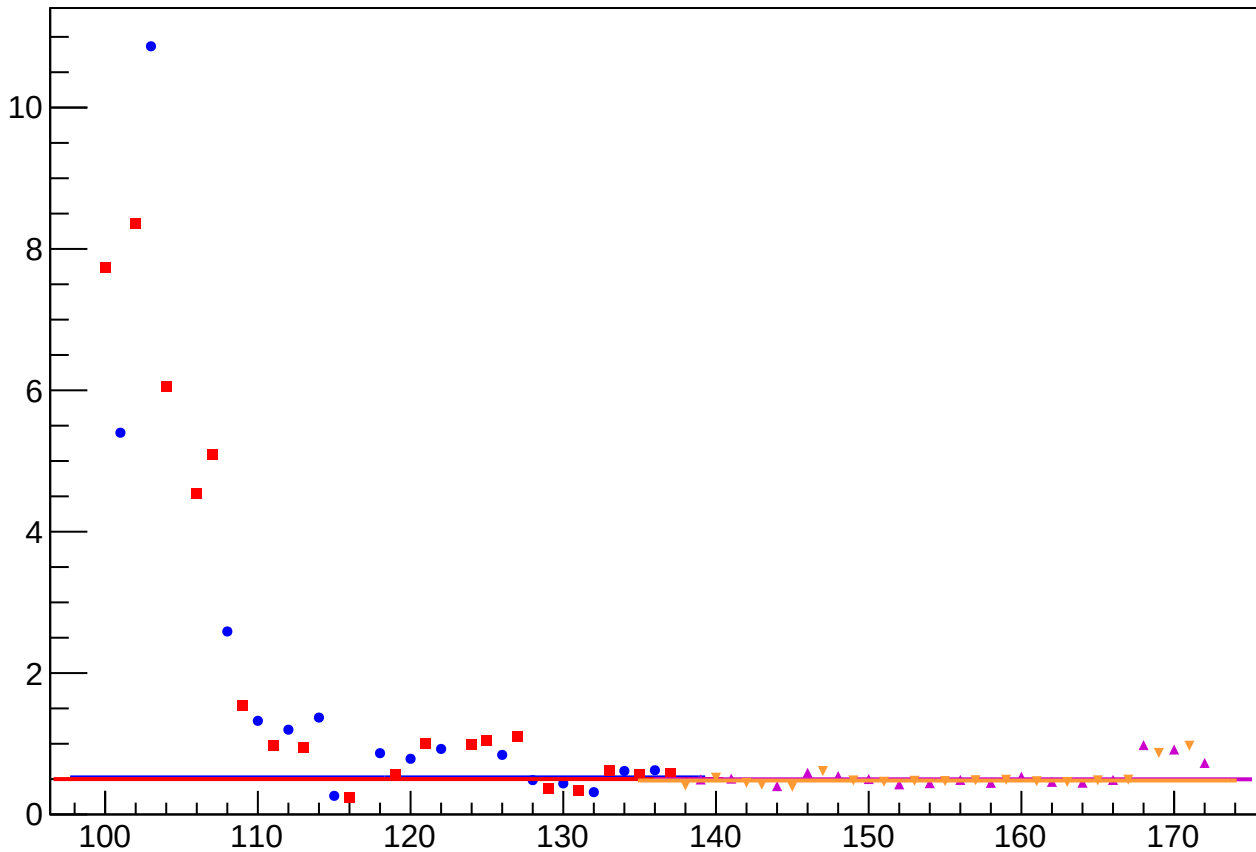
Left In: 133.833 $\pm$ 0.000 χ^2 /NDF: 368821289.1/16

+ sign 133.275 $\pm$ 0.000 χ^2 /NDF: 2123196354.9/33

All: 132.573 $\pm$ 0.000 χ^2 /NDF: 4817450346.2

- sign 131.827 $\pm$ 0.000 χ^2 /NDF: 2627010604.0/35

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

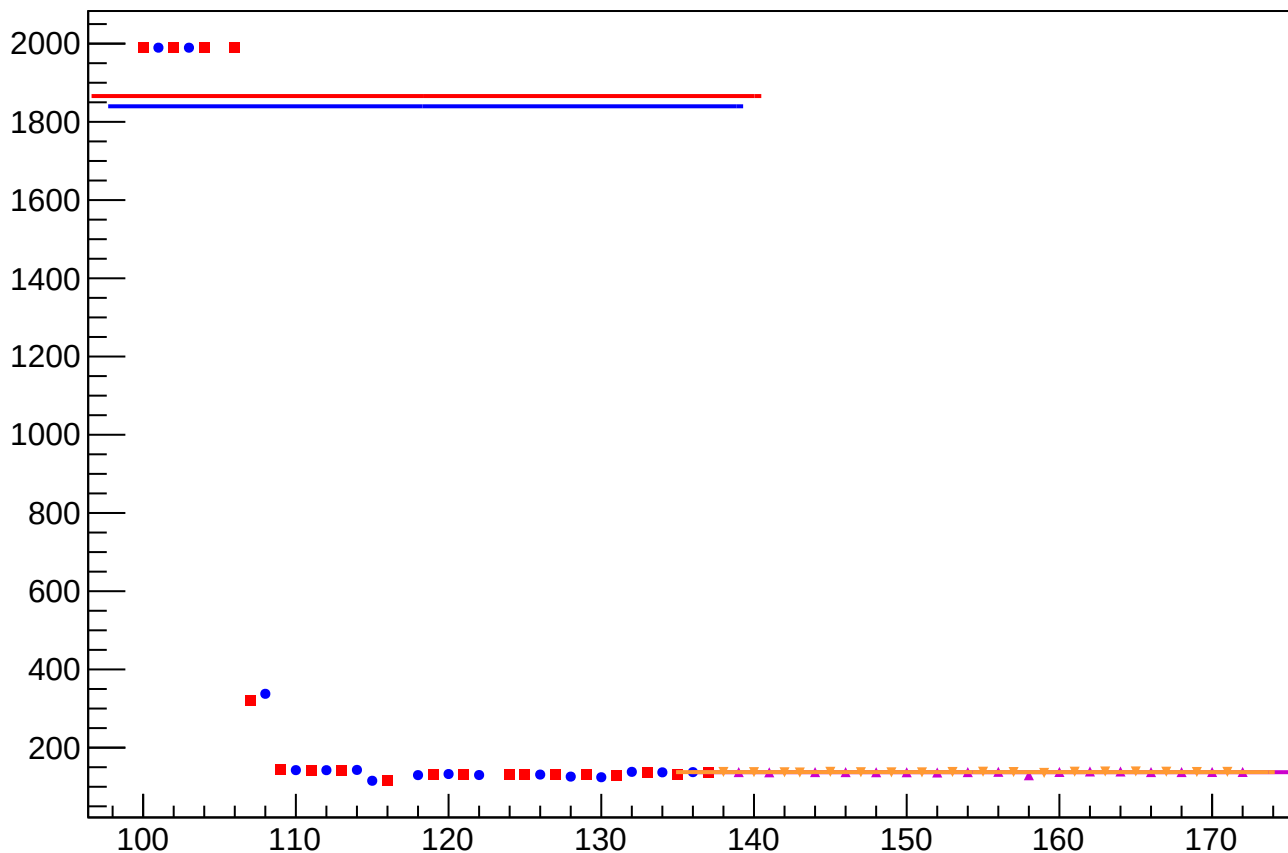
Left In: 0.497+/-0.000 χ^2/NDF : 1076510.4/16

+ sign 0.489+/-0.000 χ^2/NDF : 5042244.4/33

All: 0.493+/-0.000 χ^2/NDF : 11008310.8/69

- sign 0.498+/-0.000 χ^2/NDF : 5960883.4/35

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 : 142769122276045.8/18

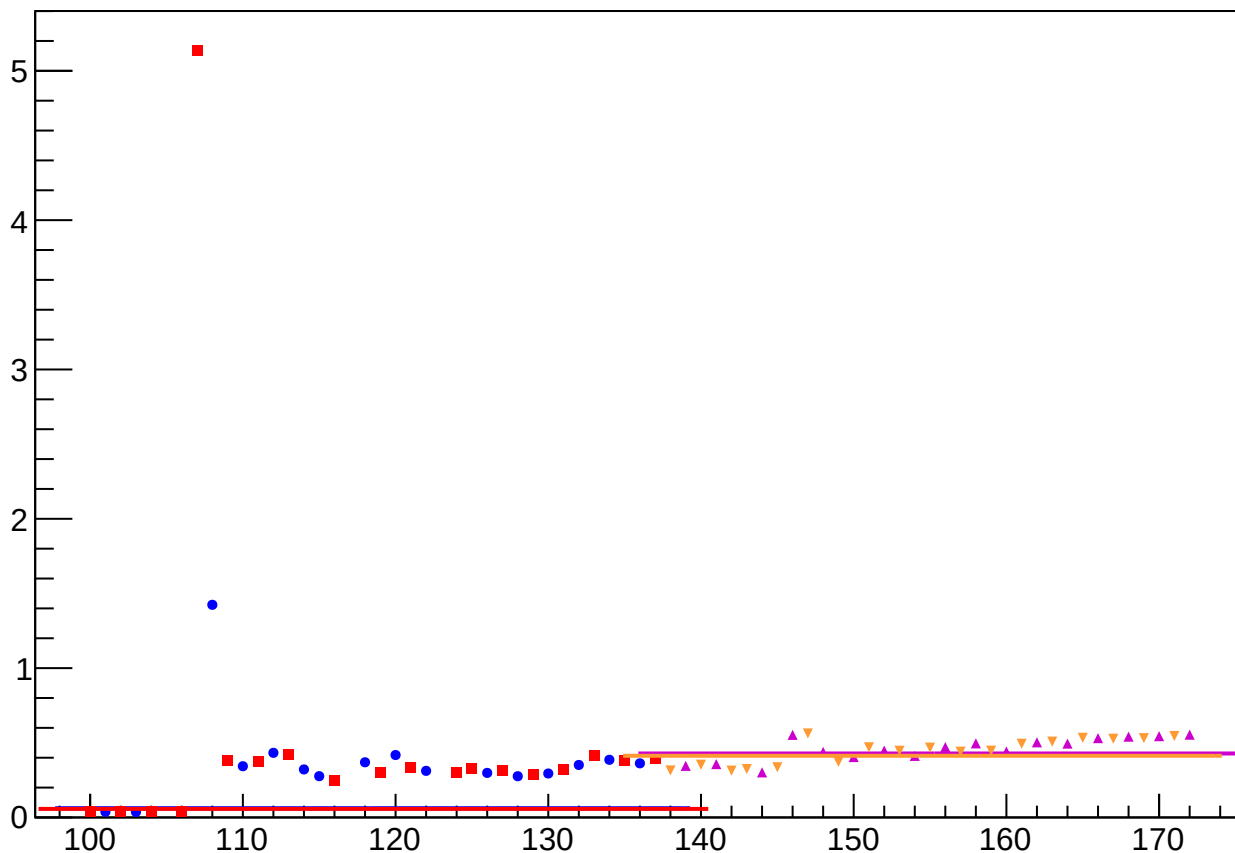
Left In: 137.254+/-0.000 χ^2/NDF : 228983894.4/16

+ sign 1636.376+/-0.000 χ^2/NDF : 34339472405835

All: 1669.662+/-0.000 χ^2/NDF : 67983064571

- sign 1698.909+/-0.000 χ^2/NDF : 33508769534748

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

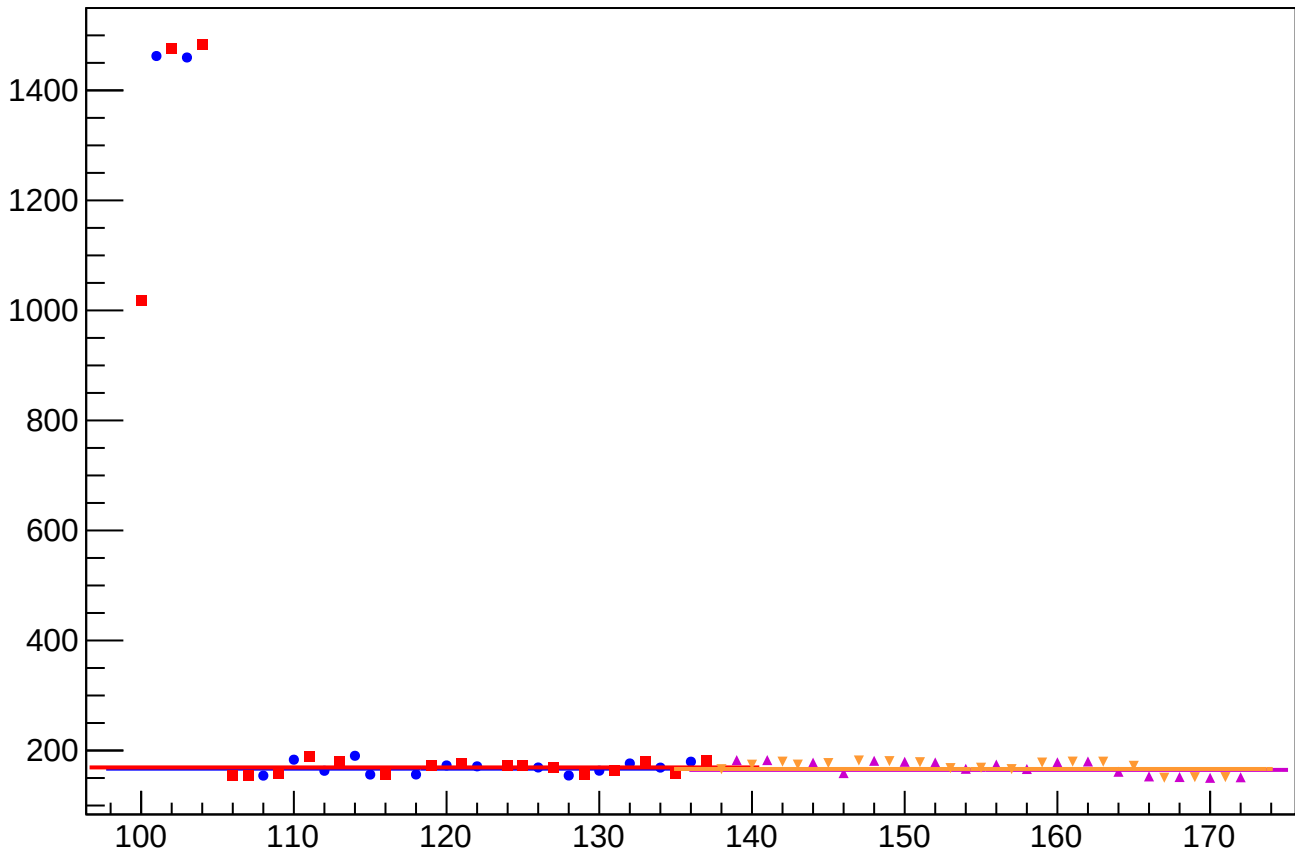
Left In: 0.428+/-0.000 χ^2/NDF :939093.4/16

+ sign 0.104+/-0.000 χ^2/NDF : 26078557.8/33

All: 0.098+/-0.000 χ^2/NDF : 52566949.2/69

- sign 0.093+/-0.000 χ^2/NDF : 26410951.5/35

yield_bcm0l02_mean vs Slug



Right In: 167.017 $\pm$ 0.000 χ^2 /NDF: 14614977518.5/15

Left Out: 166.432 $\pm$ 0.000 χ^2 /NDF: 2175664413.4/17

Right Out: 169.257 $\pm$ 0.000 χ^2 /NDF: 16317542946.8/18

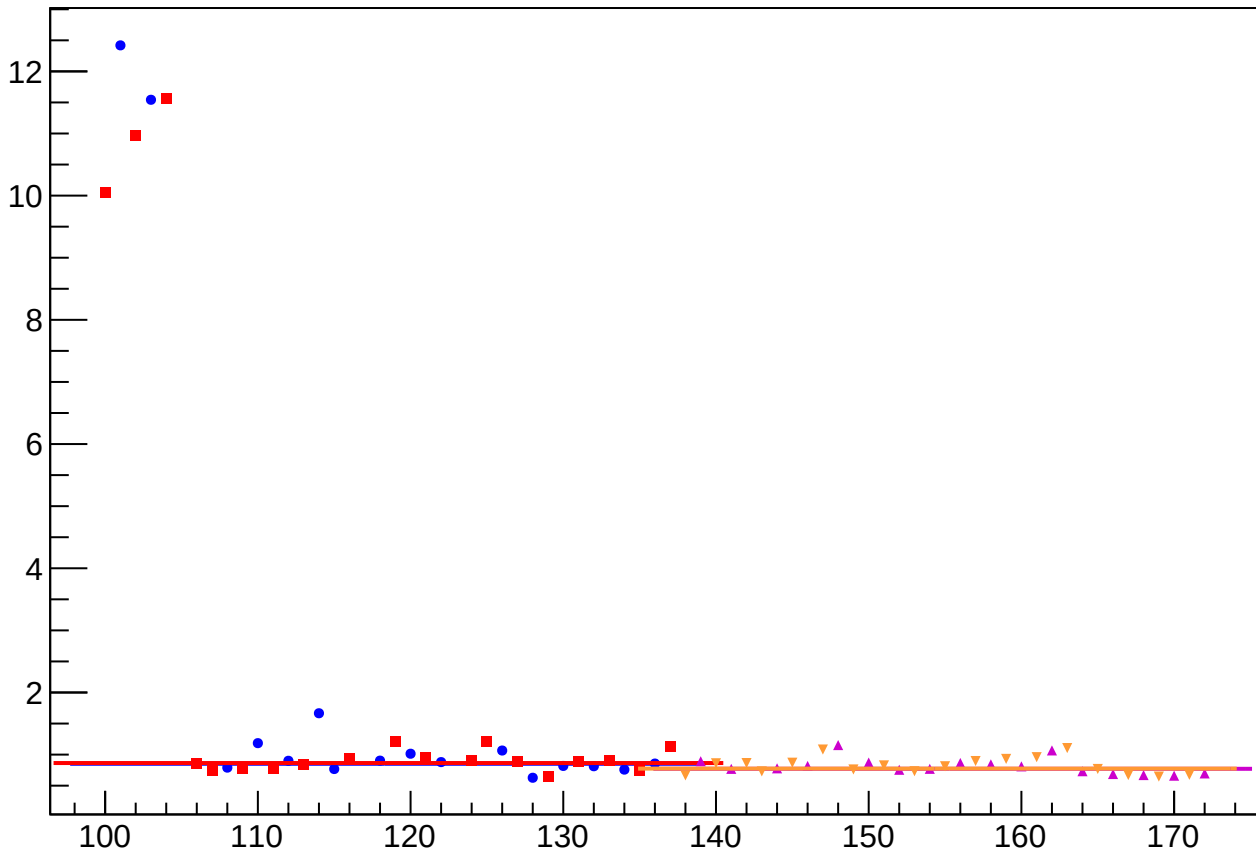
Left In: 164.765 $\pm$ 0.000 χ^2 /NDF: 2529948918.2/16

+ sign 166.578 $\pm$ 0.000 χ^2 /NDF: 16792002101.3/33

All: 166.236 $\pm$ 0.000 χ^2 /NDF: 35726561147.0

- sign 165.900 $\pm$ 0.000 χ^2 /NDF: 18929658289.1/35

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

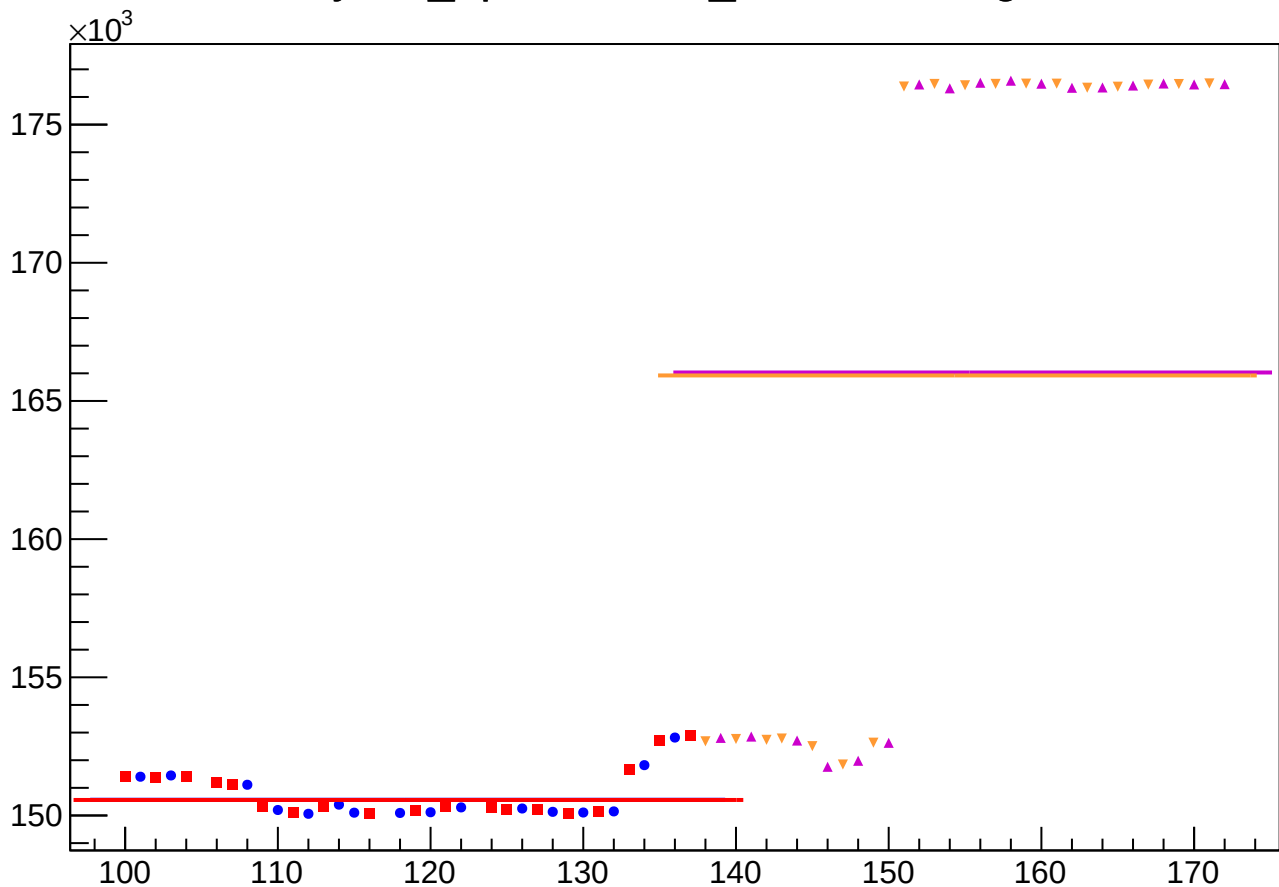
Left In: 0.771 ± 0.000 χ^2/NDF : 386879.8/16

+ sign 0.794 ± 0.000 χ^2/NDF : 2821529.3/33

All: 0.795 ± 0.000 χ^2/NDF : 5488017.1/69

- sign 0.795 ± 0.000 χ^2/NDF : 2666480.1/35

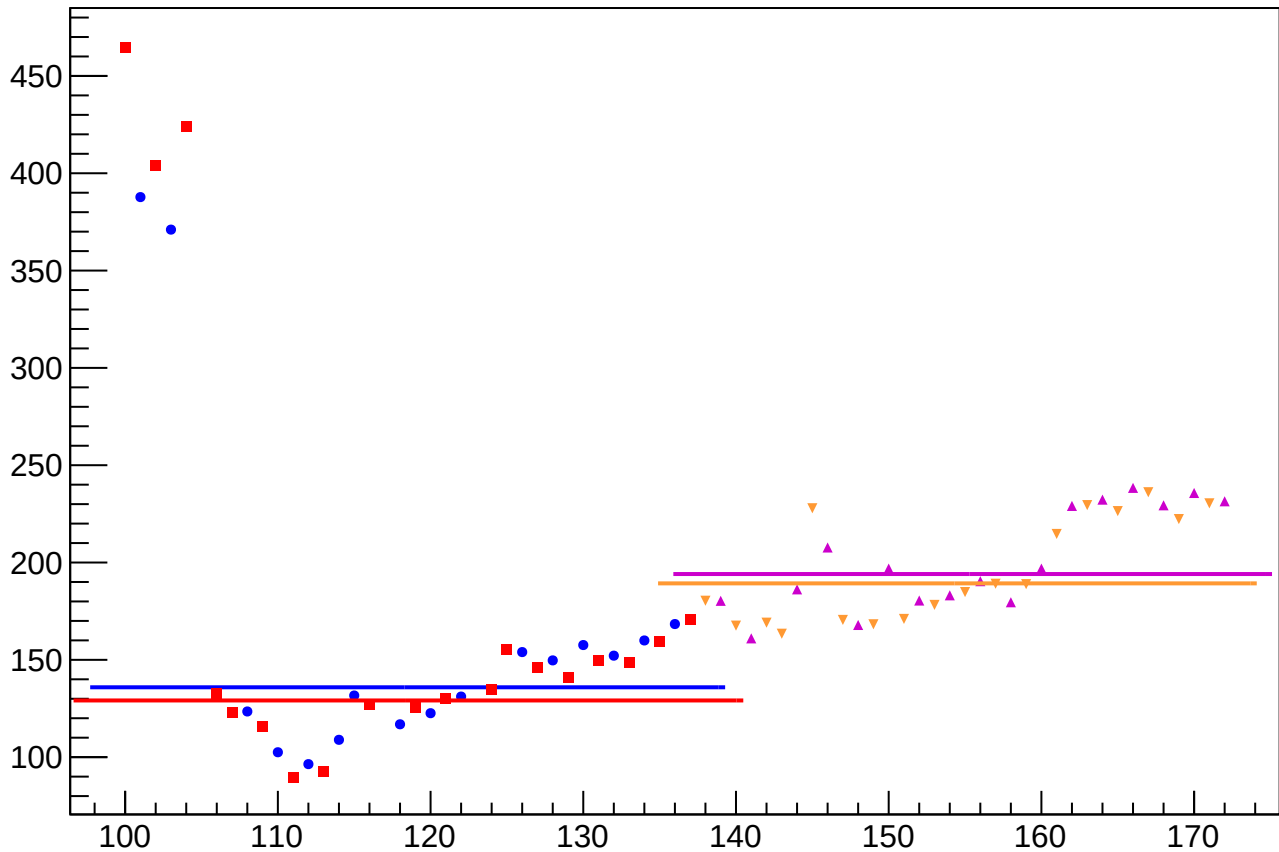
yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 $\pm$ 0.055 χ^2 /NDF: 237155171.8/15
 Left Out: 165923.347 $\pm$ 0.051 χ^2 /NDF: 54281523083.6/17
 Right Out: 150561.647 $\pm$ 0.051 χ^2 /NDF: 197500782.5/18
 Left In: 166030.095 $\pm$ 0.053 χ^2 /NDF: 51155818373.2/16

+ sign 158785.837 $\pm$ 0.037 χ^2 /NDF: 96825602359.
 All: 158418.527 $\pm$ 0.026 χ^2 /NDF: 193018587.
 - sign 158063.868 $\pm$ 0.037 χ^2 /NDF: 96001695304.3

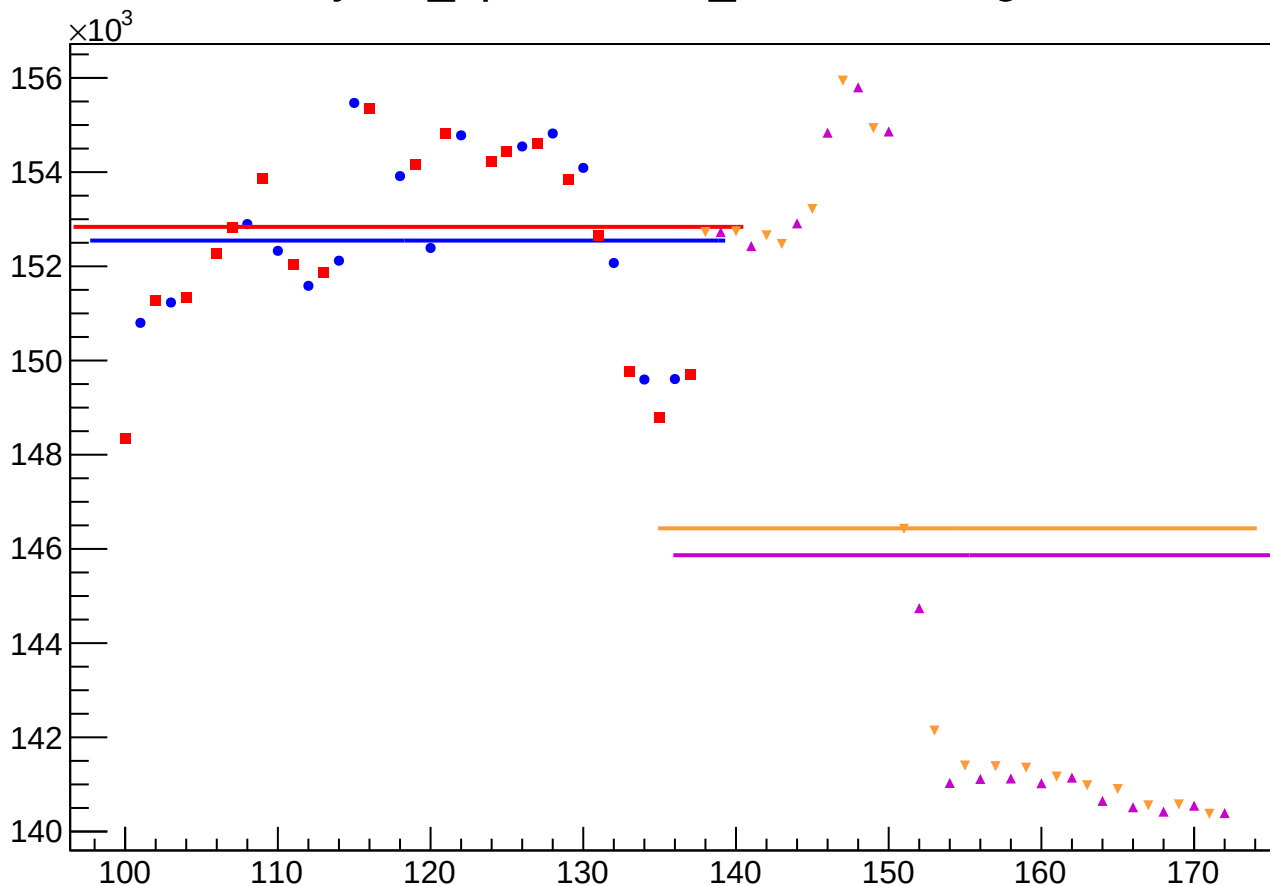
yield_bpm2i01WS_rms vs Slug



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: 194.088 ± 0.037 χ^2/NDF : 405601.5/16

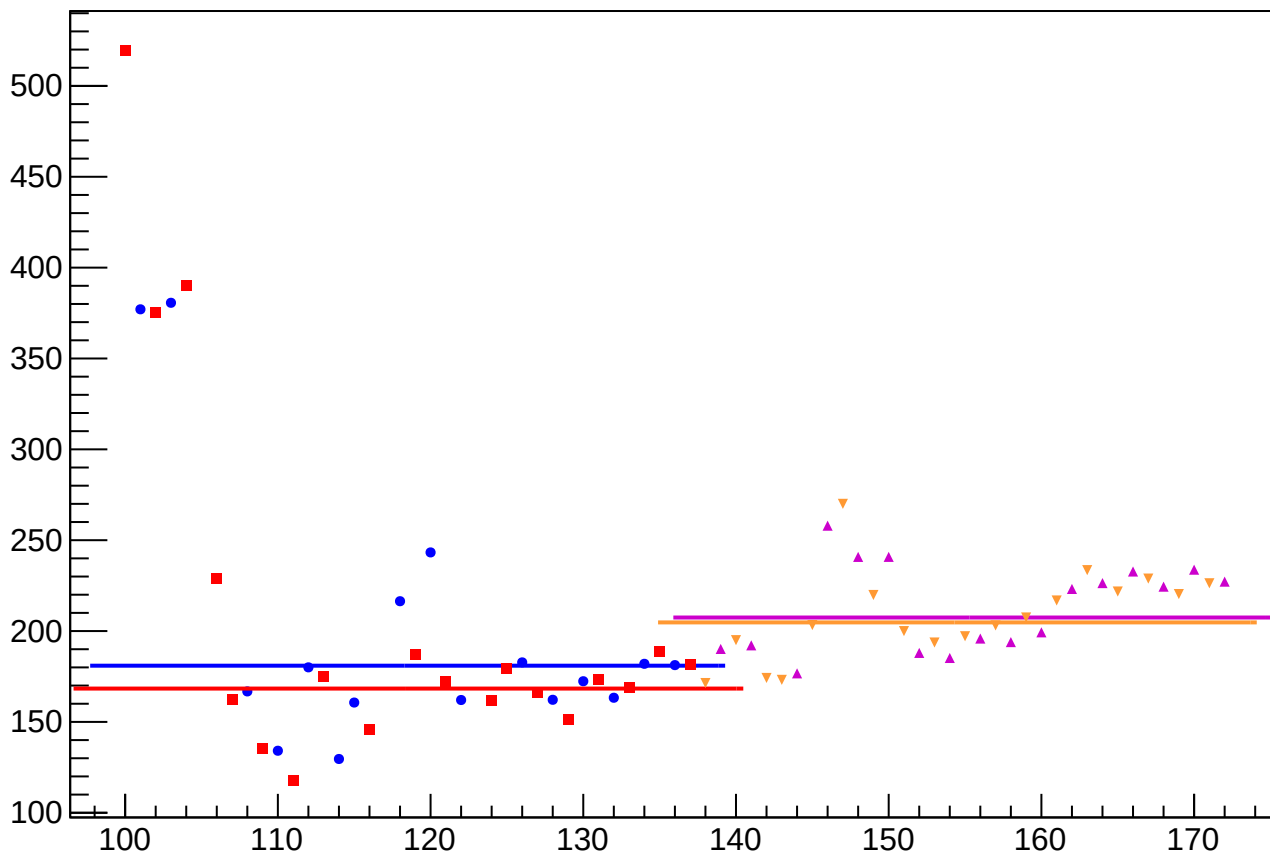
+ sign 164.468 ± 0.026 χ^2/NDF : 2898476.0/33
 All: 162.518 ± 0.018 χ^2/NDF : 6503896.4/69
 - sign 160.635 ± 0.026 χ^2/NDF : 3594636.8/35

yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073	χ^2 /NDF: 654540559.6/15	+ sign 148668.602 $\pm$ 0.044	χ^2 /NDF: 16559015527.7
Left Out: 146437.106 $\pm$ 0.055	χ^2 /NDF: 11410697491.8/17	All: 148717.179 $\pm$ 0.031	χ^2 /NDF: 353311743.3
Right Out: 152837.888 $\pm$ 0.067	χ^2 /NDF: 736907066.8/18	- sign 148763.756 $\pm$ 0.043	χ^2 /NDF: 18769758710.7
Left In: 145866.882 $\pm$ 0.056	χ^2 /NDF: 11641393503.0/16		

yield_bpm0i07WS_rms vs Slug



Right In: 180.938 $\pm$ 0.051 χ^2 /NDF: 907758.2/15

Left Out: 204.759 $\pm$ 0.039 χ^2 /NDF: 330908.7/17

Right Out: 168.349 $\pm$ 0.047 χ^2 /NDF: 1089090.2/18

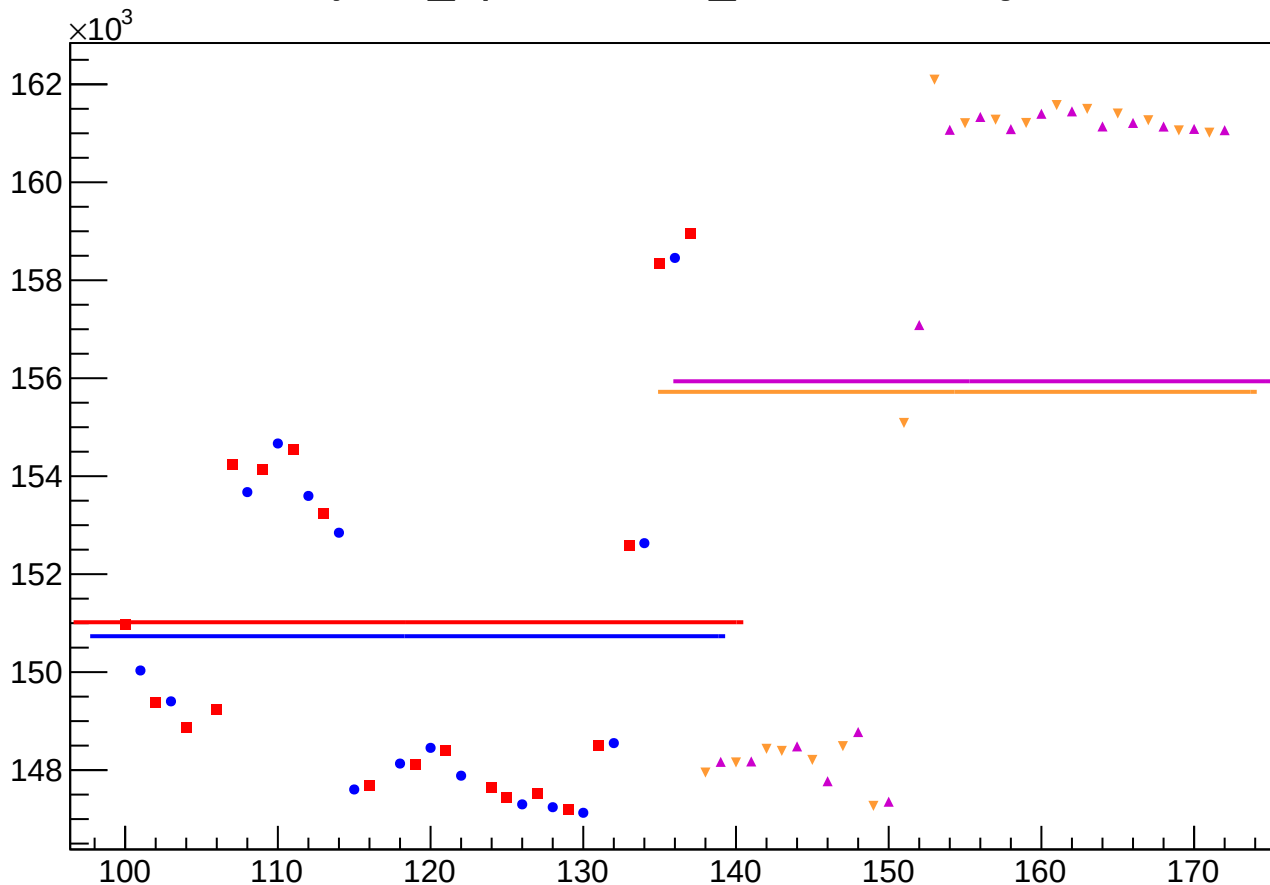
Left In: 207.450 $\pm$ 0.040 χ^2 /NDF: 342606.9/16

+ sign 196.059 $\pm$ 0.031 χ^2 /NDF: 1375280.8/33

All: 193.579 $\pm$ 0.022 χ^2 /NDF: 3221663.3/69

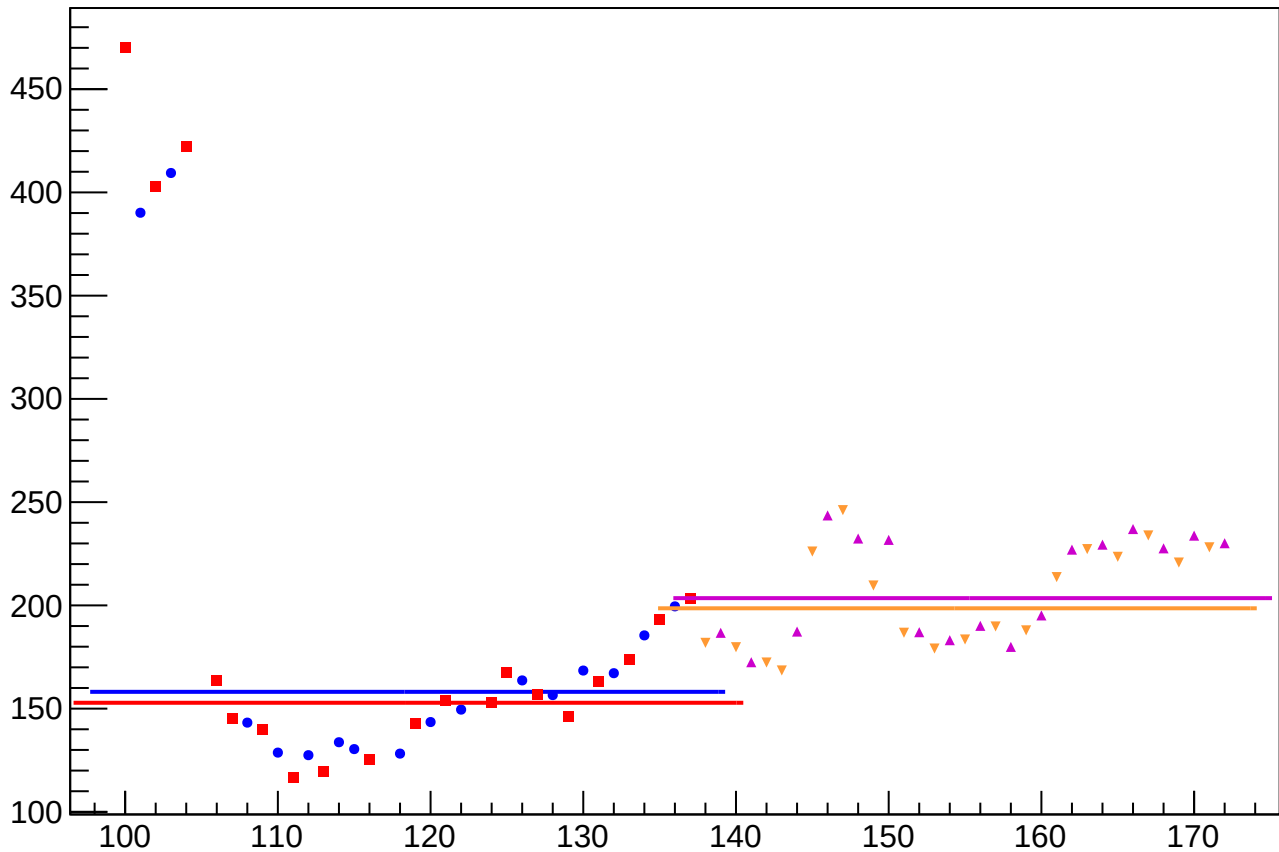
- sign 191.201 $\pm$ 0.030 χ^2 /NDF: 1833872.0/35

yield_bpm0i01WS_mean vs Slug



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: 155937.596+/-0.055 χ^2/NDF : 12637245963.7/16
 + sign 153635.880+/-0.041 χ^2/NDF : 21074864929.0
 All: 153663.449+/-0.029 χ^2/NDF : 406439963
 - sign 153690.897+/-0.041 χ^2/NDF : 19568214694.8

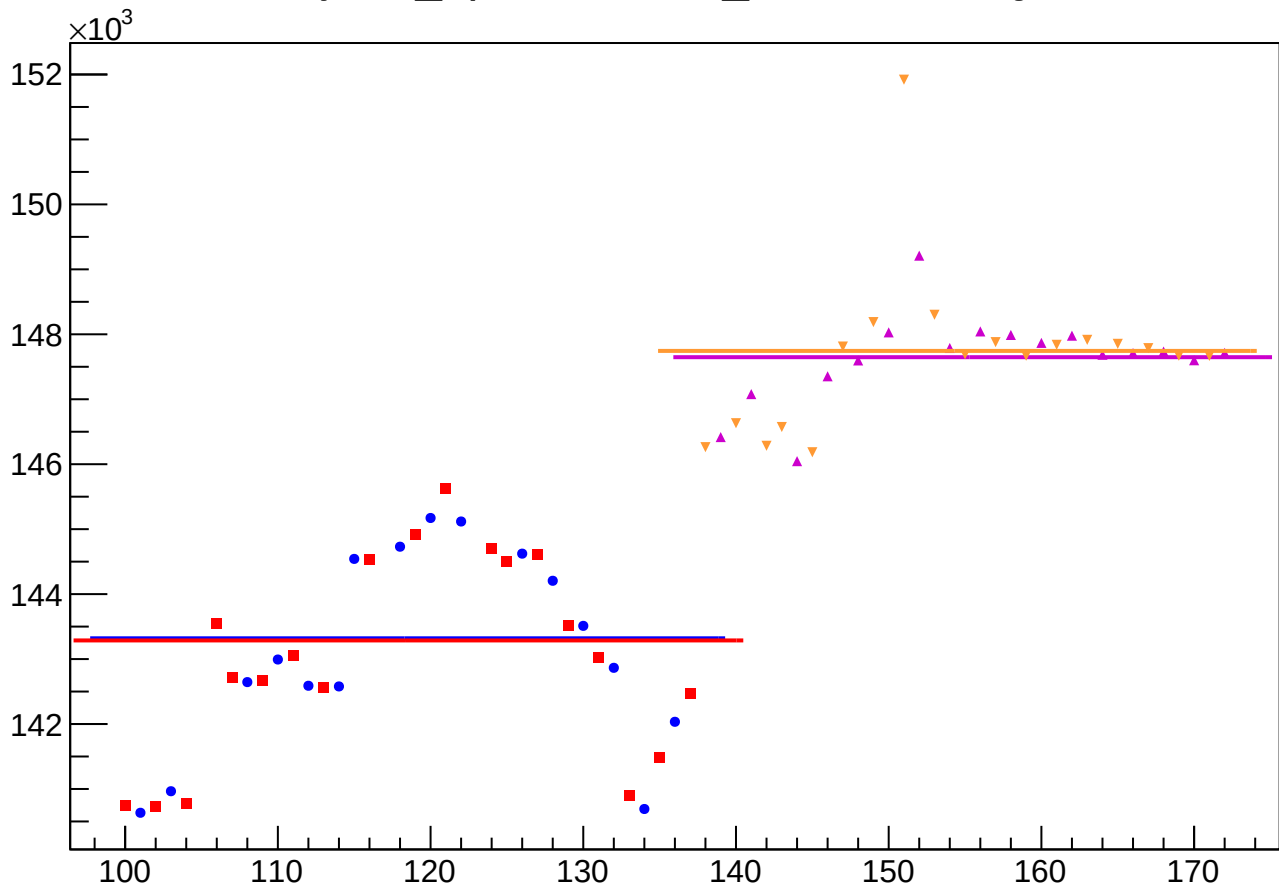
yield_bpm0i01WS_rms vs Slug



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: 203.508 ± 0.039 χ^2/NDF : 381604.4/16

+ sign 181.674 ± 0.029 χ^2/NDF : 2043886.5/33
 All: 181.019 ± 0.020 χ^2/NDF : 4464132.9/69
 - sign 180.367 ± 0.029 χ^2/NDF : 2419211.3/35

yield_bpm0i01aWS_mean vs Slug



Right In: 143319.651 ± 0.053 $\chi^2/\text{NDF}: 559301530.7/15$

Left Out: 147744.373 ± 0.050 $\chi^2/\text{NDF}: 670710696.4/17$

Right Out: 14286.960 ± 0.050 $\chi^2/\text{NDF}: 620521577.8/18$

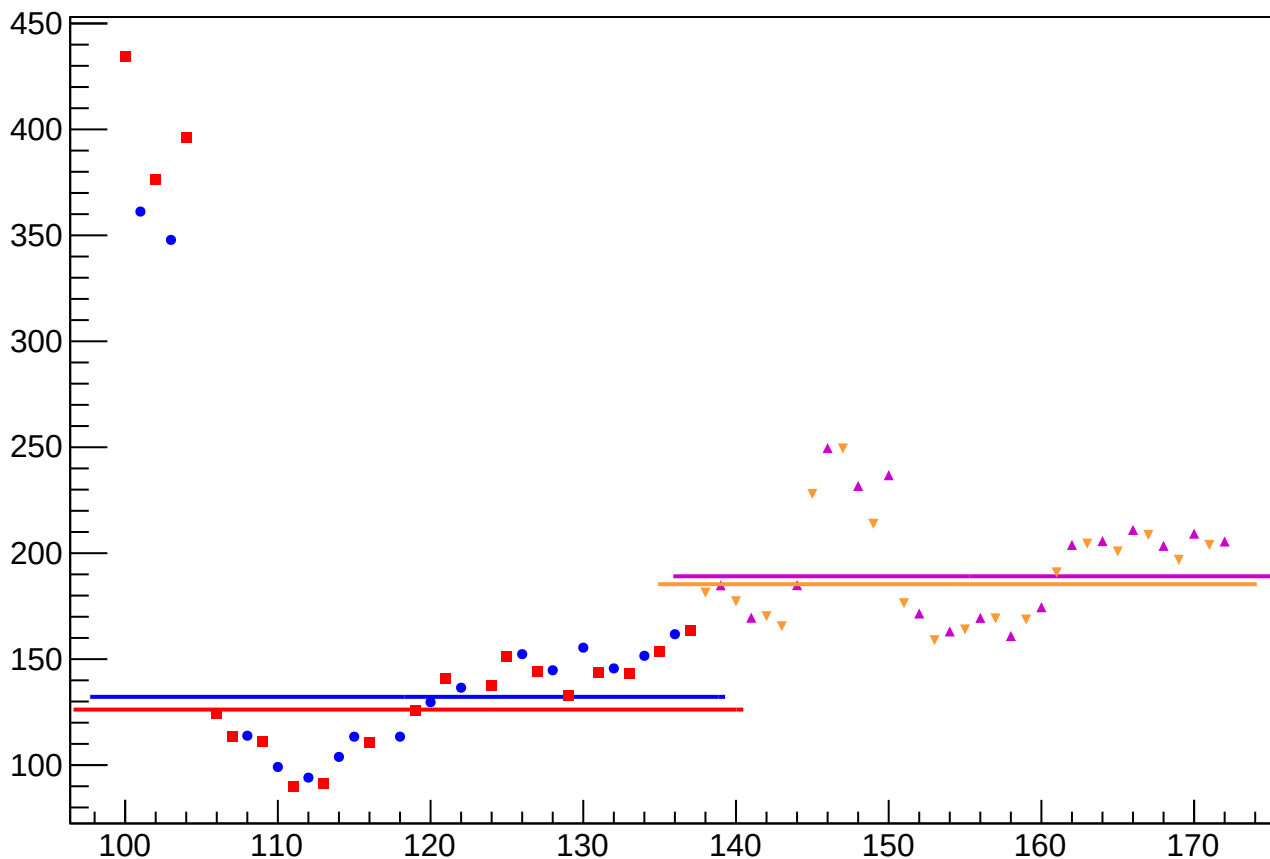
Left In: 147647.629 ± 0.051 $\chi^2/\text{NDF}: 199564838.0/16$

+ sign 145673.386 ± 0.036 $\chi^2/\text{NDF}: 4920274840.2/16$

All: 145533.919 ± 0.025 $\chi^2/\text{NDF}: 949757963.0/16$

- sign 145399.423 ± 0.036 $\chi^2/\text{NDF}: 4548378963.0/16$

yield_bpm0i01aWS_rms vs Slug



Right In: 132.204 $\pm$ 0.038 χ^2 /NDF: 1379168.6/15

Left Out: 185.363 $\pm$ 0.035 χ^2 /NDF: 397035.9/17

Right Out: 126.191 $\pm$ 0.035 χ^2 /NDF: 1545034.5/18

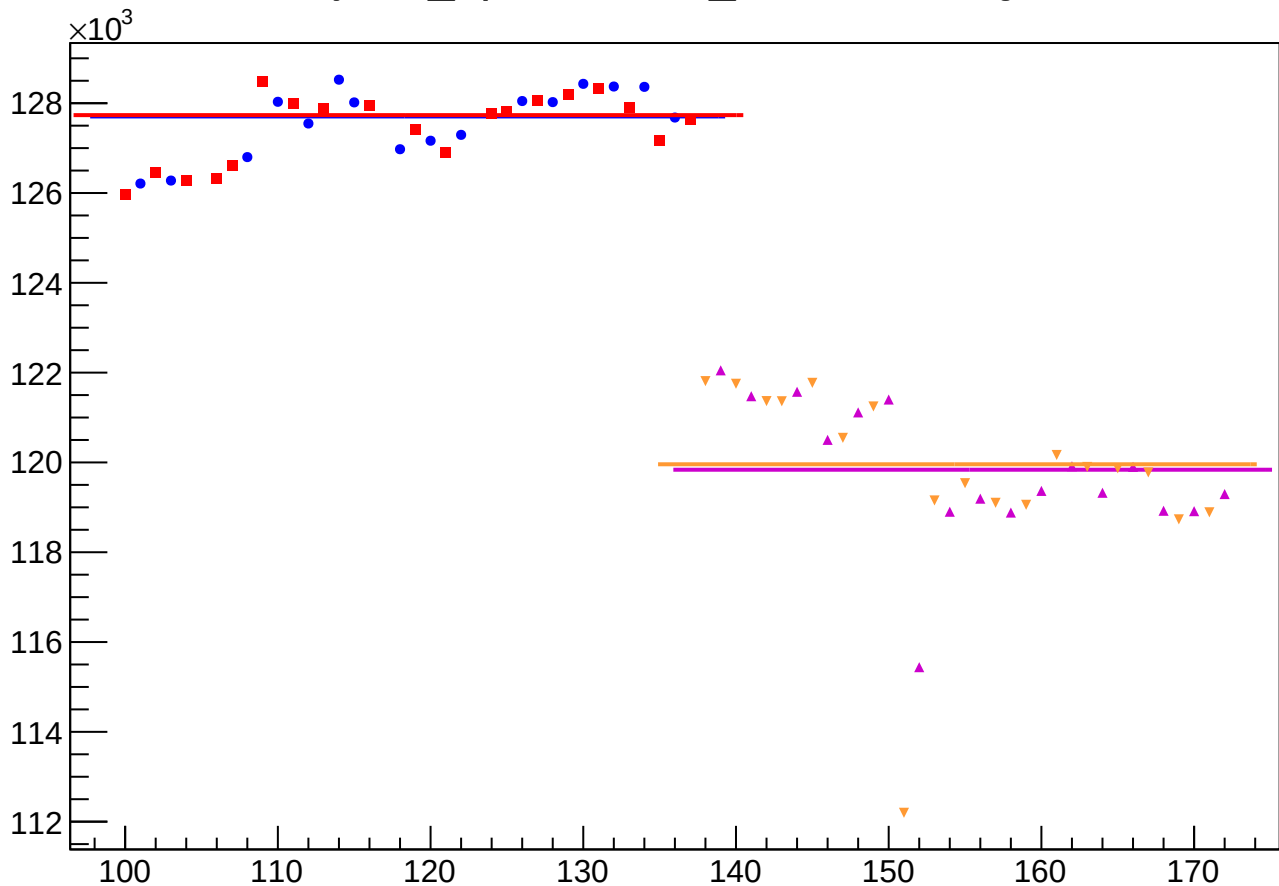
Left In: 189.094 $\pm$ 0.036 χ^2 /NDF: 465708.1/16

+ sign 160.482 $\pm$ 0.026 χ^2 /NDF: 2841473.3/33

All: 158.538 $\pm$ 0.018 χ^2 /NDF: 6415052.3/69

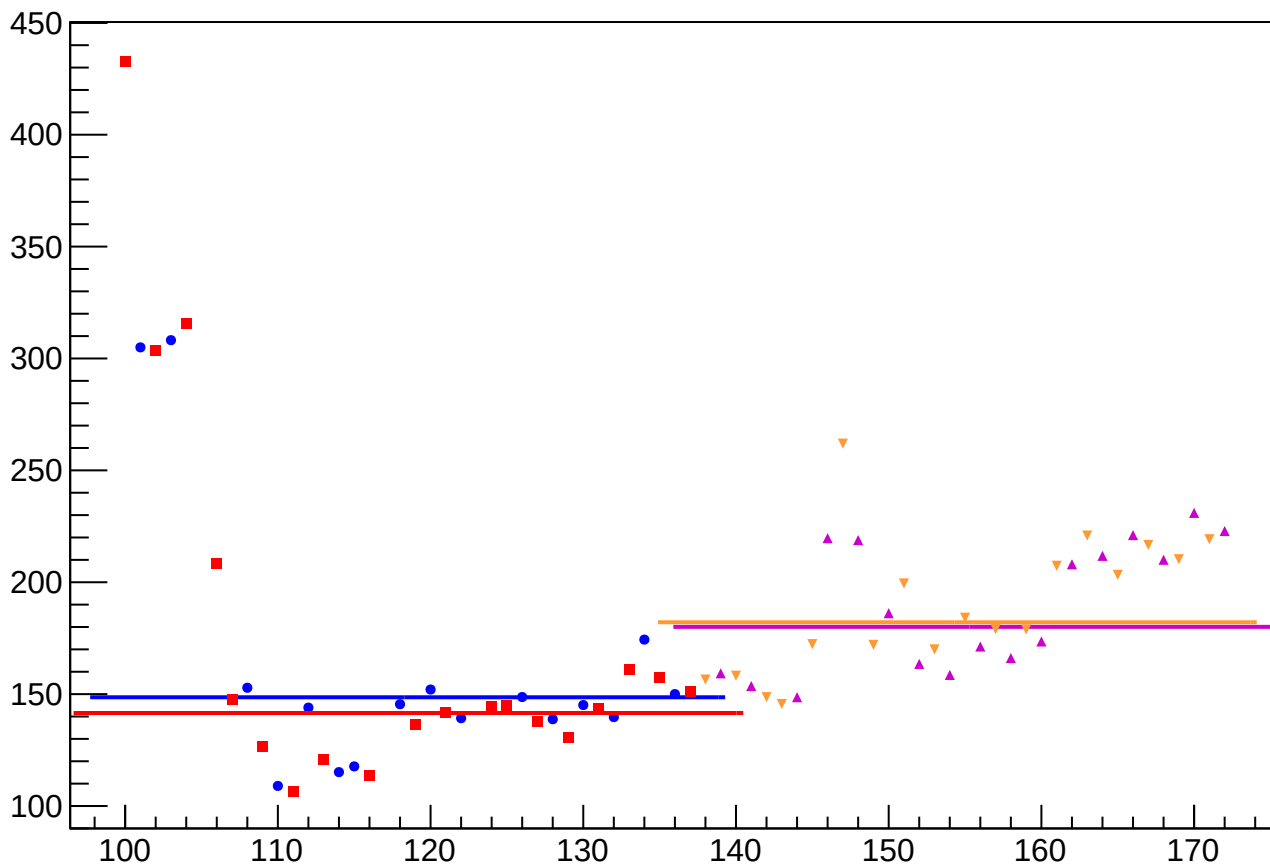
- sign 156.664 $\pm$ 0.025 χ^2 /NDF: 3562342.4/35

yield_bpm0l01WS_mean vs Slug



Right In: 127705.222 $\pm$ 0.058	χ^2 /NDF: 104467207.7/15	+ sign 123194.028 $\pm$ 0.038	χ^2 /NDF: 12150236238.
Left Out: 119958.810 $\pm$ 0.049	χ^2 /NDF: 1805163849.9/17	All: 123276.014 $\pm$ 0.026	χ^2 /NDF: 249307249
Right Out: 127734.542 $\pm$ 0.055	χ^2 /NDF: 109469333.8/18	- sign 123353.244 $\pm$ 0.037	χ^2 /NDF: 12771329409.5
Left In: 119837.440 $\pm$ 0.049	χ^2 /NDF: 1187801092.6/16		

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

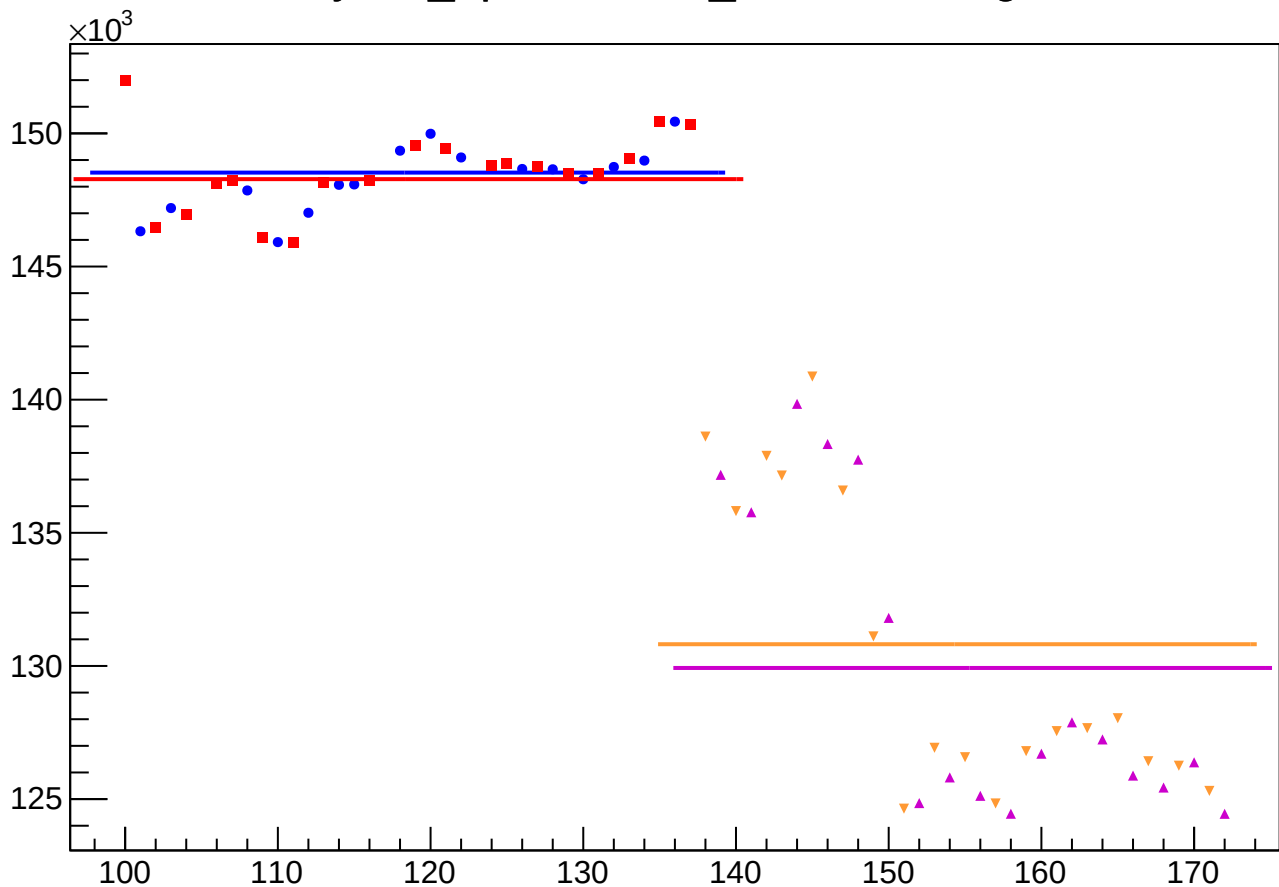
Left In: 180.067 ± 0.035 χ^2/NDF : 601328.5/16

+ sign 168.116 ± 0.027 χ^2/NDF : 1815559.7/33

All: 165.443 ± 0.019 χ^2/NDF : 3983112.4/69

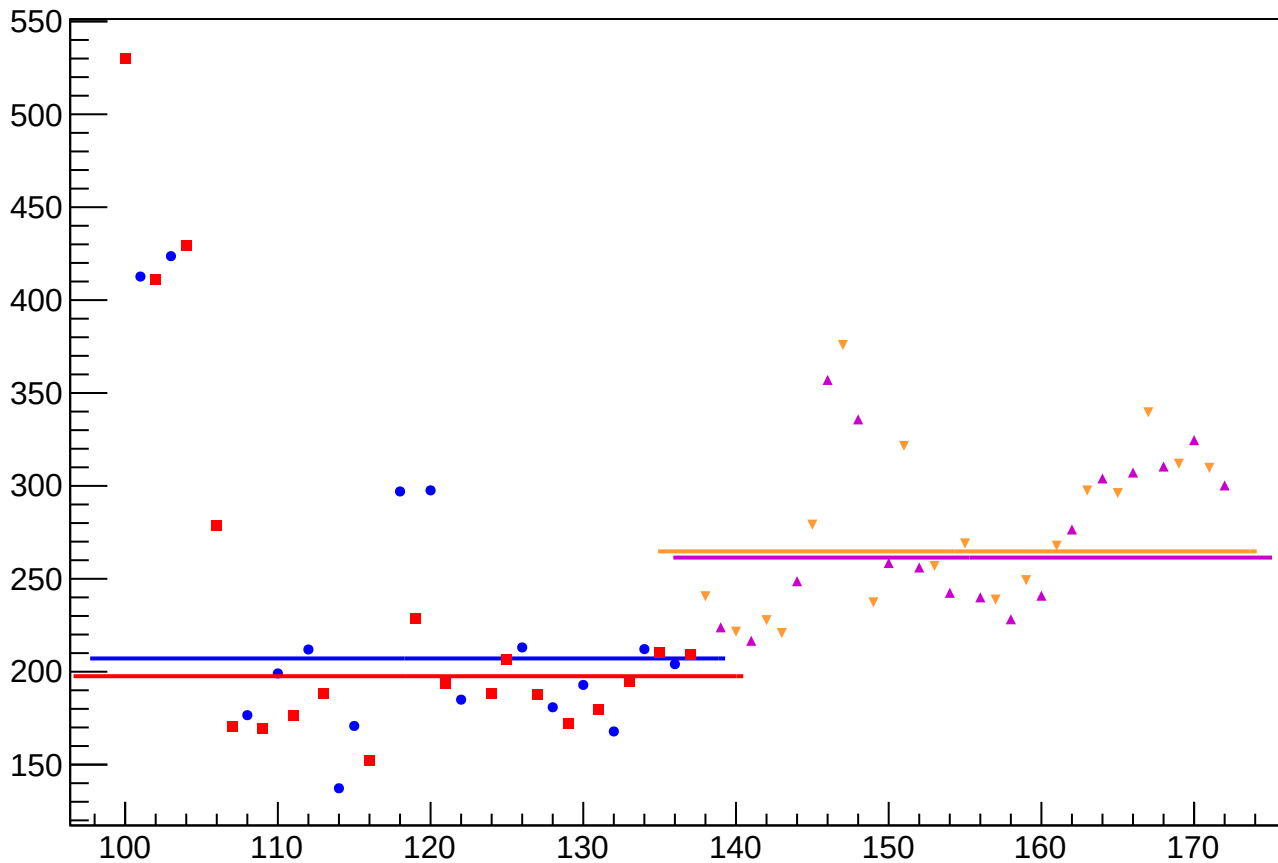
- sign 162.925 ± 0.026 χ^2/NDF : 2148074.7/35

yield_bpm0l02WS_mean vs Slug



Right In: 148527.678 $\pm$ 0.082 χ^2 /NDF: 209208133.0/15
 Left Out: 130816.284 $\pm$ 0.072 χ^2 /NDF: 5740450121.6/17
 Right Out: 148282.003 $\pm$ 0.077 χ^2 /NDF: 294673557.8/18
 Left In: 129924.768 $\pm$ 0.071 χ^2 /NDF: 6175113553.7/16
 All: 138448.123 $\pm$ 0.037 χ^2 /NDF: 697798089.1
 + sign 138478.962 $\pm$ 0.054 χ^2 /NDF: 32457191538.1
 - sign 138419.295 $\pm$ 0.052 χ^2 /NDF: 37321983994.1

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

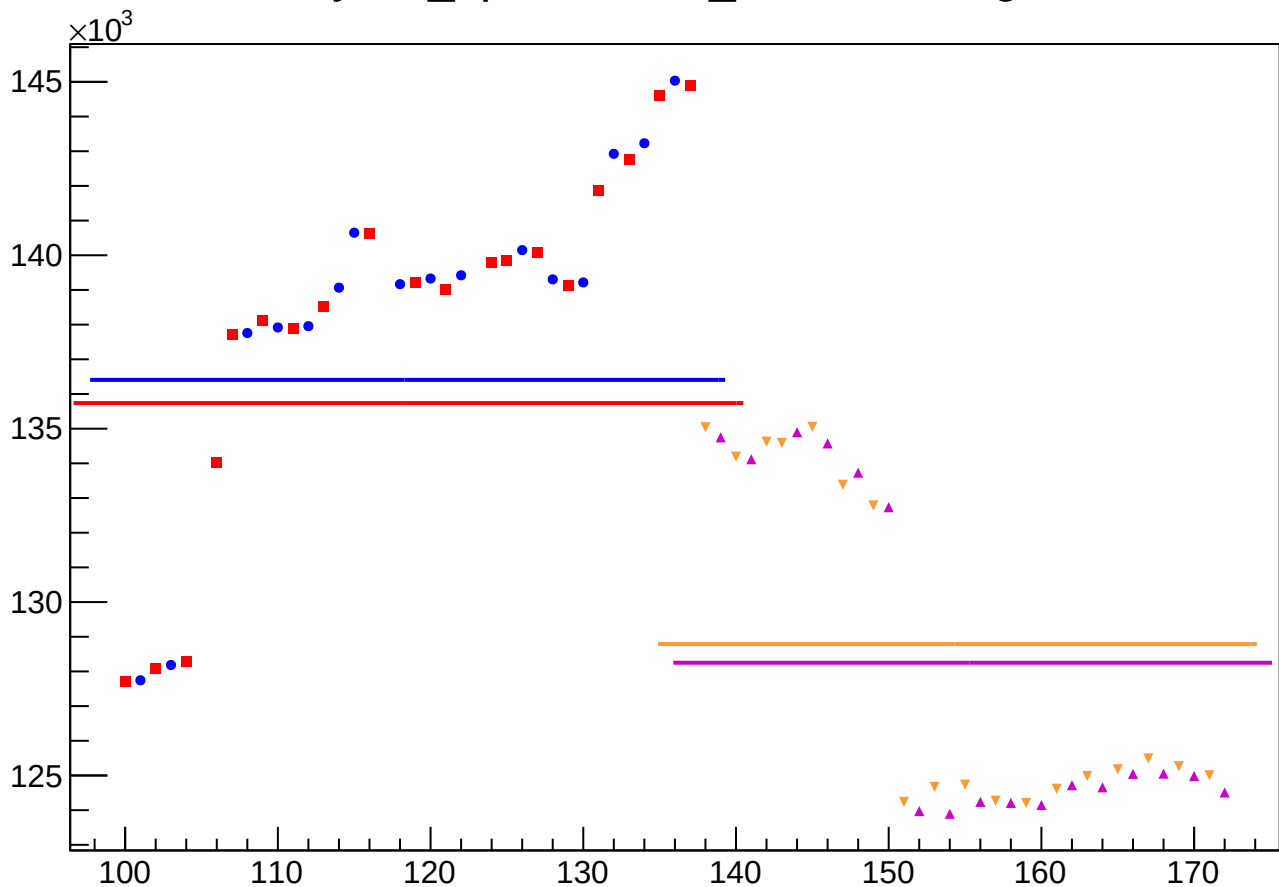
Left In: 261.425+/-0.050 χ^2/NDF : 588829.6/16

+ sign 239.824+/-0.038 χ^2/NDF : 2126545.4/33

All: 235.717+/-0.026 χ^2/NDF : 4388422.6/69

- sign 231.878+/-0.037 χ^2/NDF : 2239409.3/35

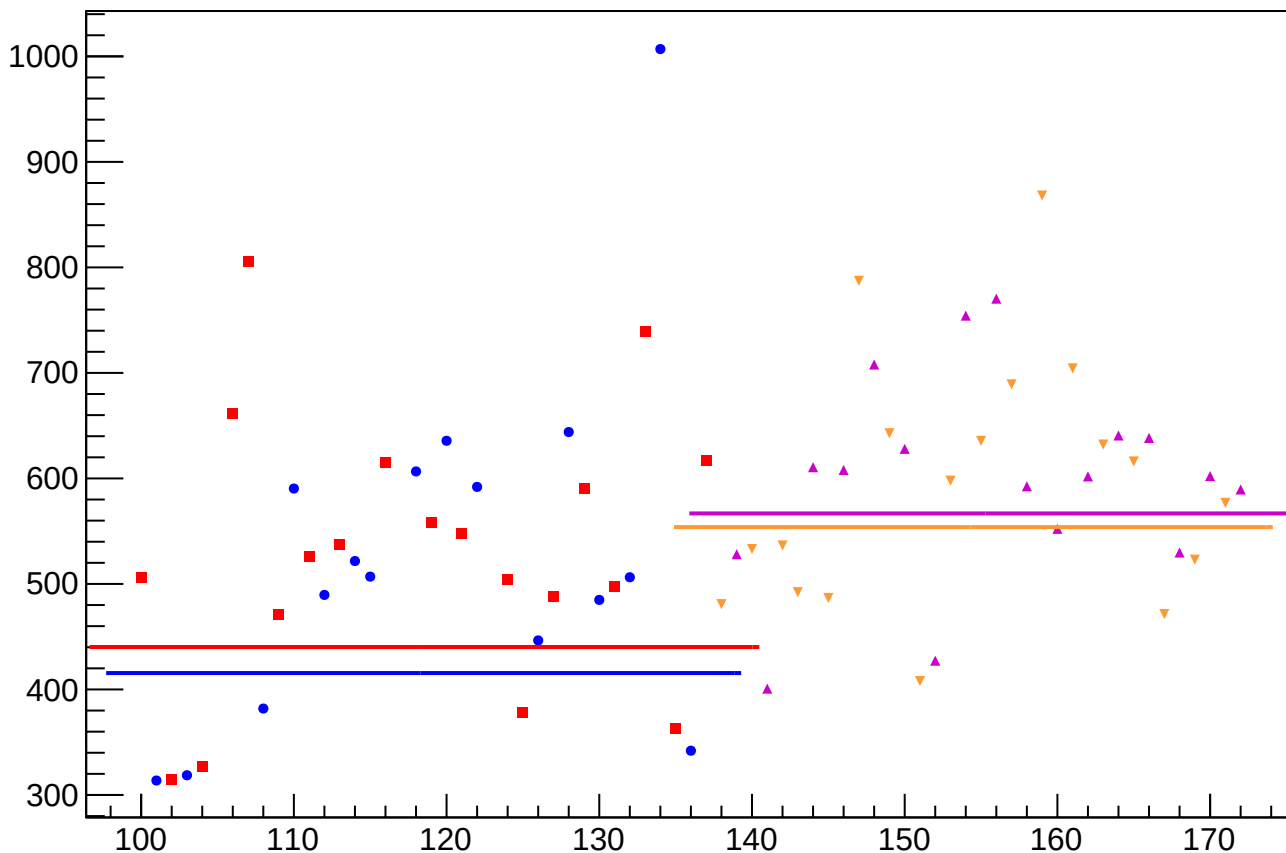
yield_bpm0l03WS_mean vs Slug



Right In: 136406.923 $\pm$ 0.169 χ^2 /NDF: 1577071044.7/15
 Left Out: 128789.359 $\pm$ 0.157 χ^2 /NDF: 917357439.2/17
 Right Out: 135738.412 $\pm$ 0.177 χ^2 /NDF: 1174123878.0/18
 Left In: 128250.909 $\pm$ 0.165 χ^2 /NDF: 843277584.0/16

+ sign 132333.668 $\pm$ 0.115 χ^2 /NDF: 3586287375.4
 All: 132045.063 $\pm$ 0.083 χ^2 /NDF: 657878252
 - sign 131728.626 $\pm$ 0.120 χ^2 /NDF: 2979288795.1

yield_bpm0l03WS_rms vs Slug



Right In: 415.547 $\pm$ 0.119 χ^2 /NDF: 1031600.7/15

Left Out: 553.852 $\pm$ 0.111 χ^2 /NDF: 857284.4/17

Right Out: 440.218 $\pm$ 0.125 χ^2 /NDF: 910790.1/18

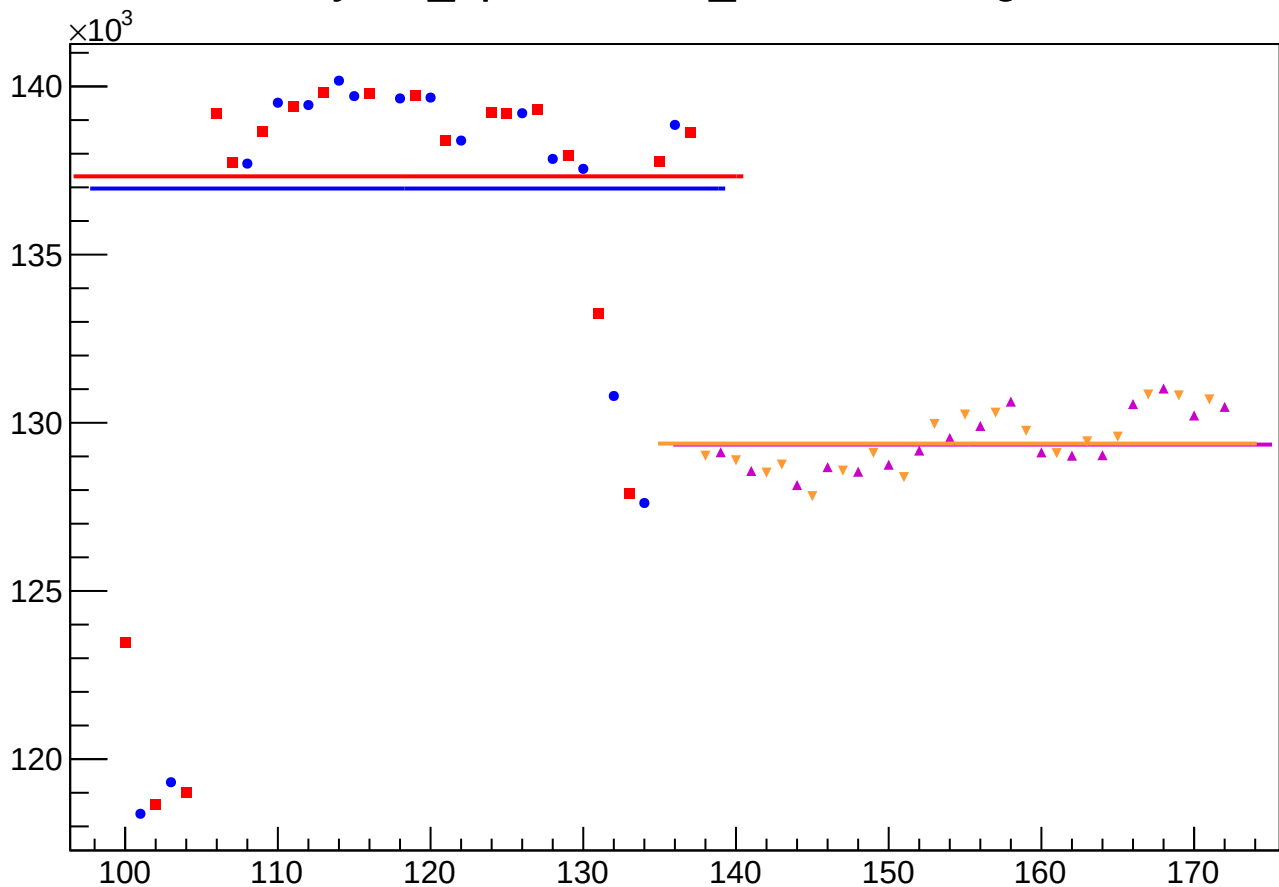
Left In: 566.828 $\pm$ 0.116 χ^2 /NDF: 728840.3/16

+ sign 489.501 $\pm$ 0.081 χ^2 /NDF: 2608728.0/33

All: 498.335 $\pm$ 0.059 χ^2 /NDF: 4823174.2/69

- sign 508.021 $\pm$ 0.085 χ^2 /NDF: 2189699.8/35

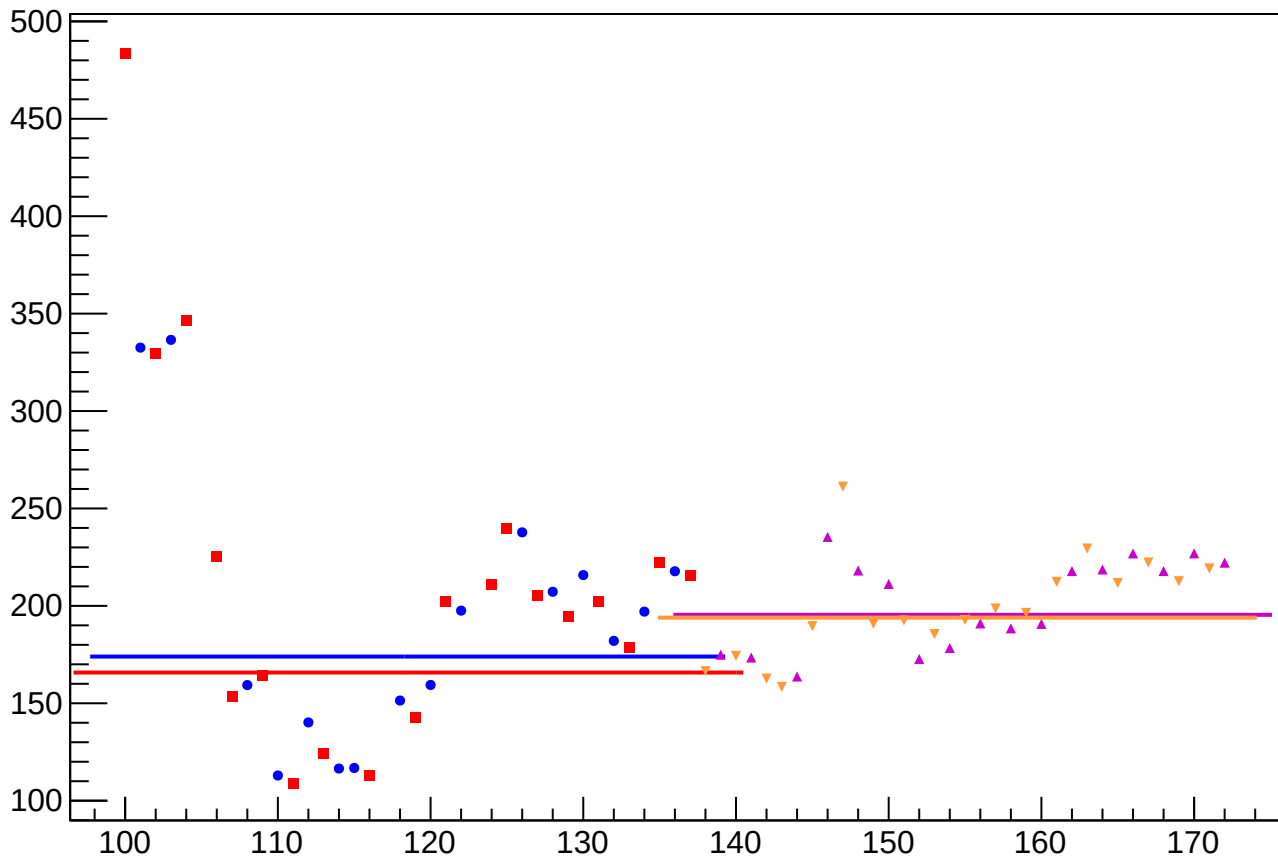
yield_bpm0l04WS_mean vs Slug



Right In: 136964.958 $\pm$ 0.070 χ^2 /NDF: 5807770301.4/15
 Left Out: 129382.734 $\pm$ 0.052 χ^2 /NDF: 266625380.6/17
 Right Out: 137327.469 $\pm$ 0.066 χ^2 /NDF: 5737745895.7/18
 Left In: 129352.260 $\pm$ 0.053 χ^2 /NDF: 243824375.9/16

+ sign 132113.371 $\pm$ 0.042 χ^2 /NDF: 13640535340.
 All: 132310.238 $\pm$ 0.029 χ^2 /NDF: 286018312
 - sign 132501.461 $\pm$ 0.041 χ^2 /NDF: 14917661158.0

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

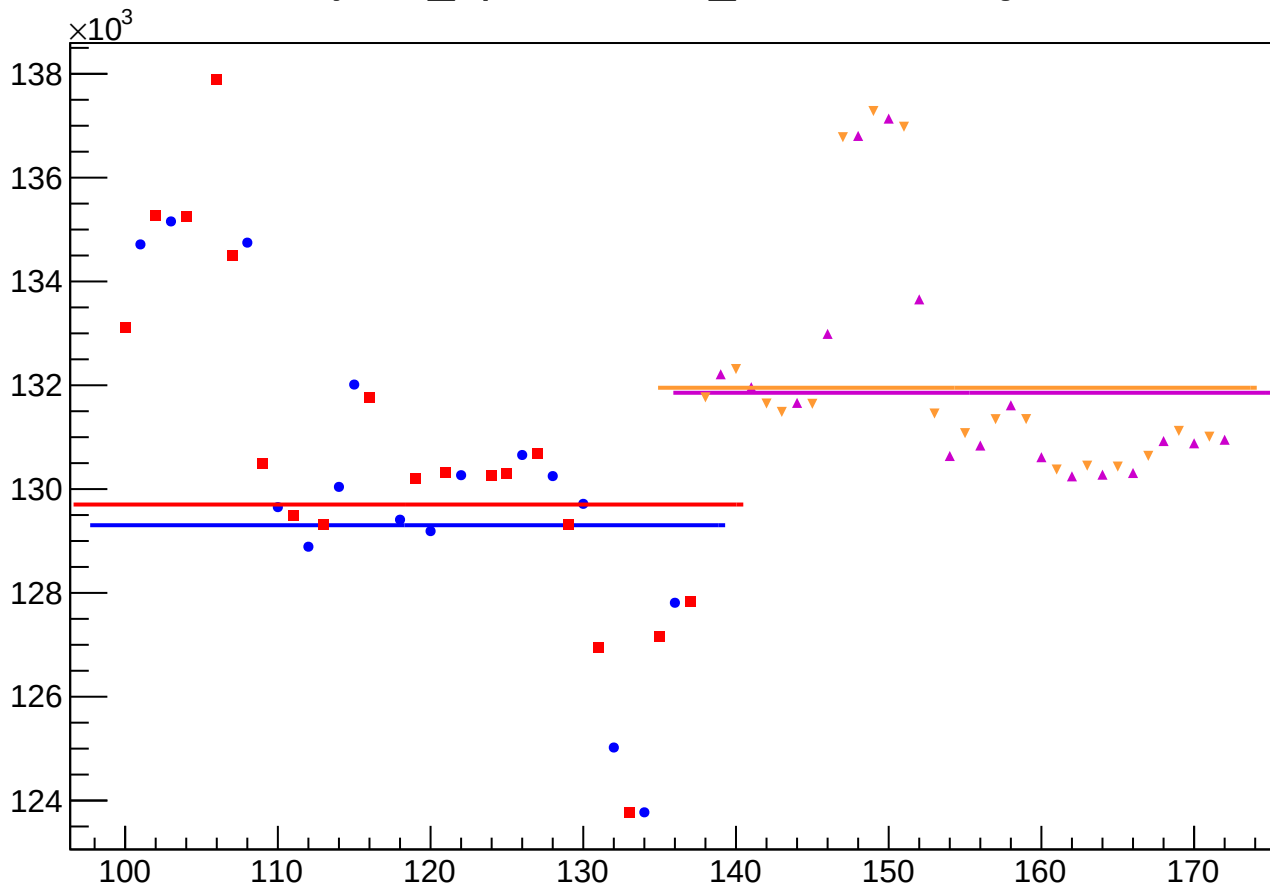
Left In: 195.397 ± 0.037 χ^2/NDF : 369037.5/16

+ sign 186.768 ± 0.030 χ^2/NDF : 1701130.1/33

All: 185.213 ± 0.021 χ^2/NDF : 3755246.1/69

- sign 183.702 ± 0.029 χ^2/NDF : 2048670.7/35

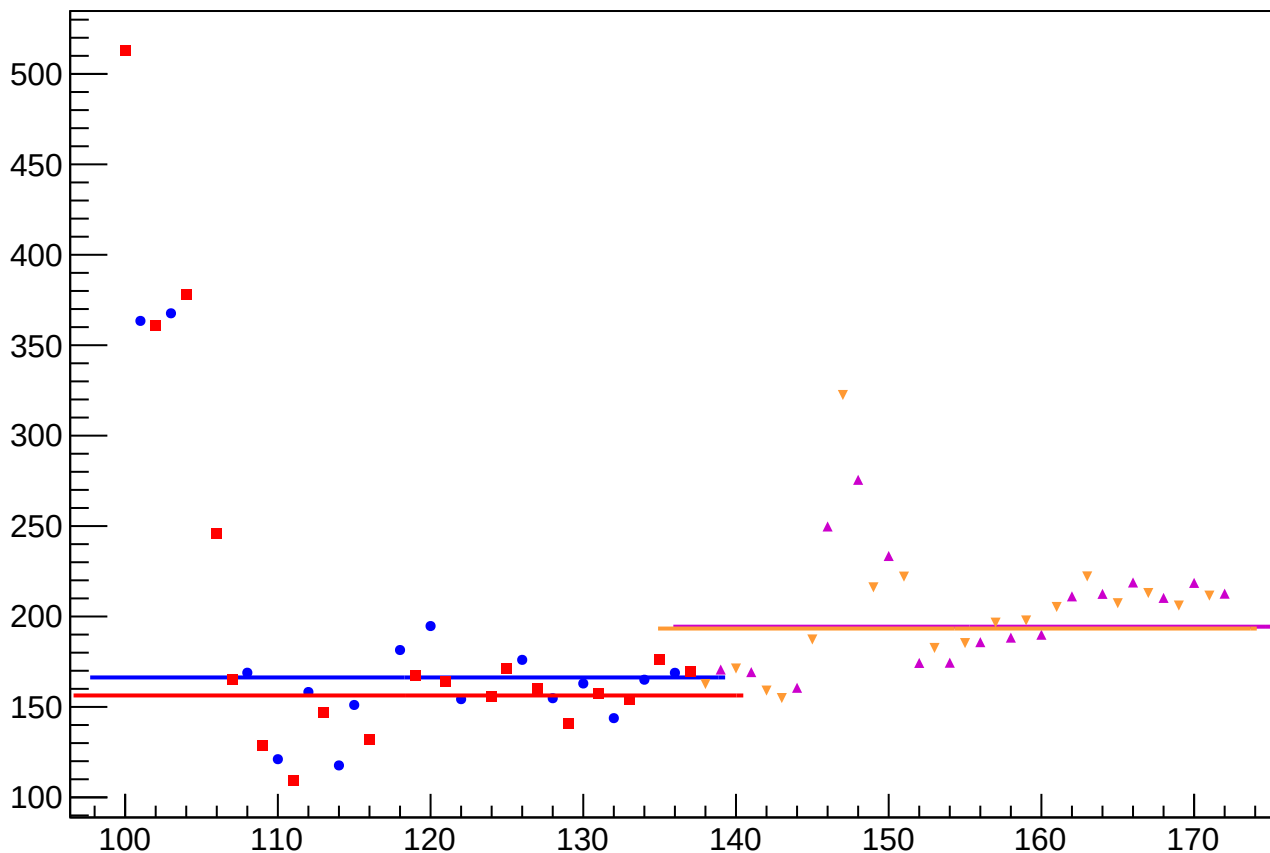
yield_bpm0l05WS_mean vs Slug



Right In: 129303.894 ± 0.066 $\chi^2/\text{NDF}: 1650235360.7/15$
 Left Out: 131952.422 ± 0.052 $\chi^2/\text{NDF}: 1327571017.2/17$
 Right Out: 129702.568 ± 0.062 $\chi^2/\text{NDF}: 1777723481.2/18$
 Left In: 131855.532 ± 0.053 $\chi^2/\text{NDF}: 1080561577.9/16$

+ sign 130931.746 ± 0.041 $\chi^2/\text{NDF}: 3961569470.5/17$
 All: 130935.849 ± 0.029 $\chi^2/\text{NDF}: 75231455/17$
 - sign 130939.762 ± 0.040 $\chi^2/\text{NDF}: 3561556570.2/17$

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

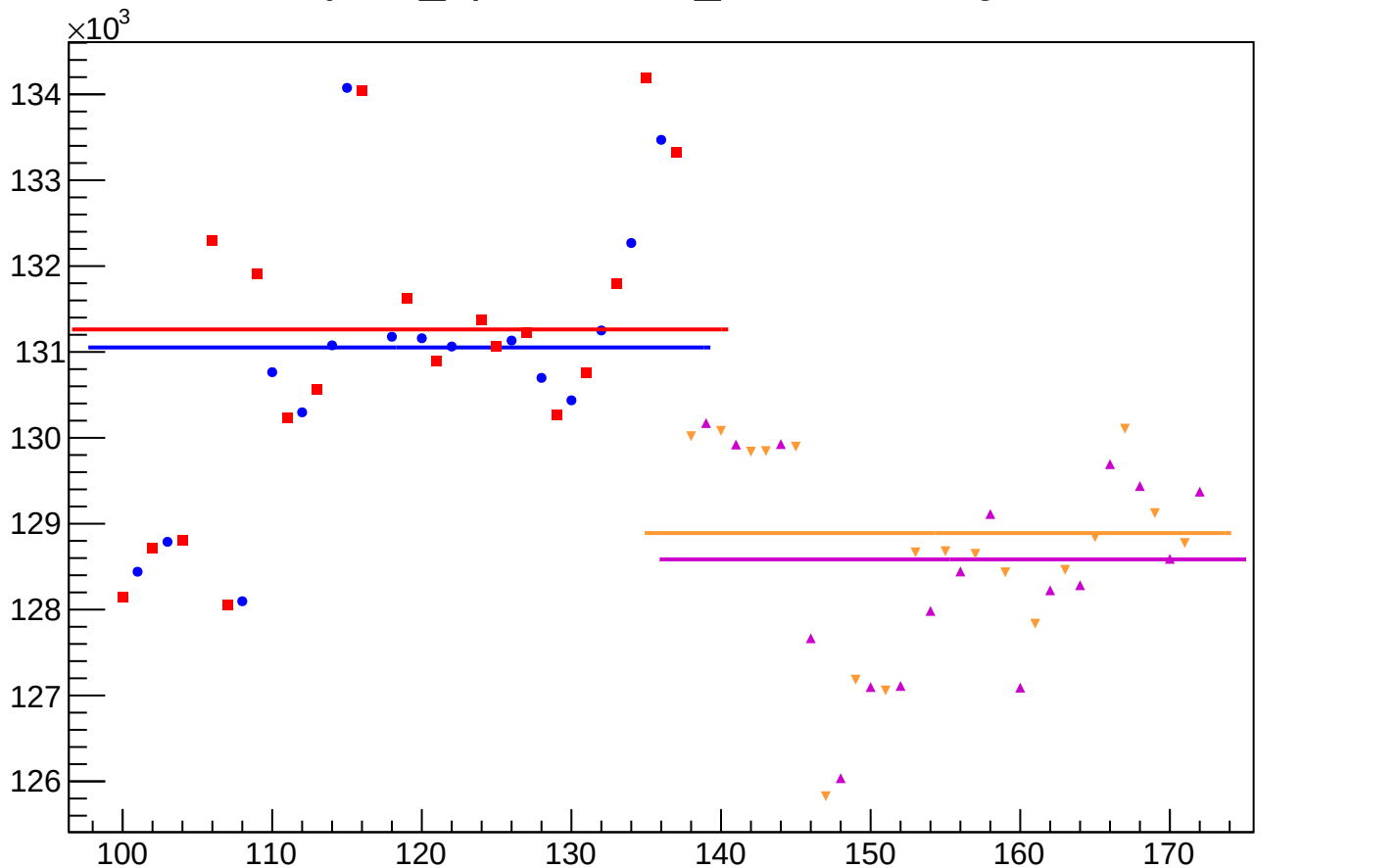
Left In: 194.370 ± 0.037 χ^2/NDF : 549041.1/16

+ sign 182.920 ± 0.029 χ^2/NDF : 1748647.5/33

All: 180.500 ± 0.020 χ^2/NDF : 3923076.9/69

- sign 178.191 ± 0.028 χ^2/NDF : 2160878.0/35

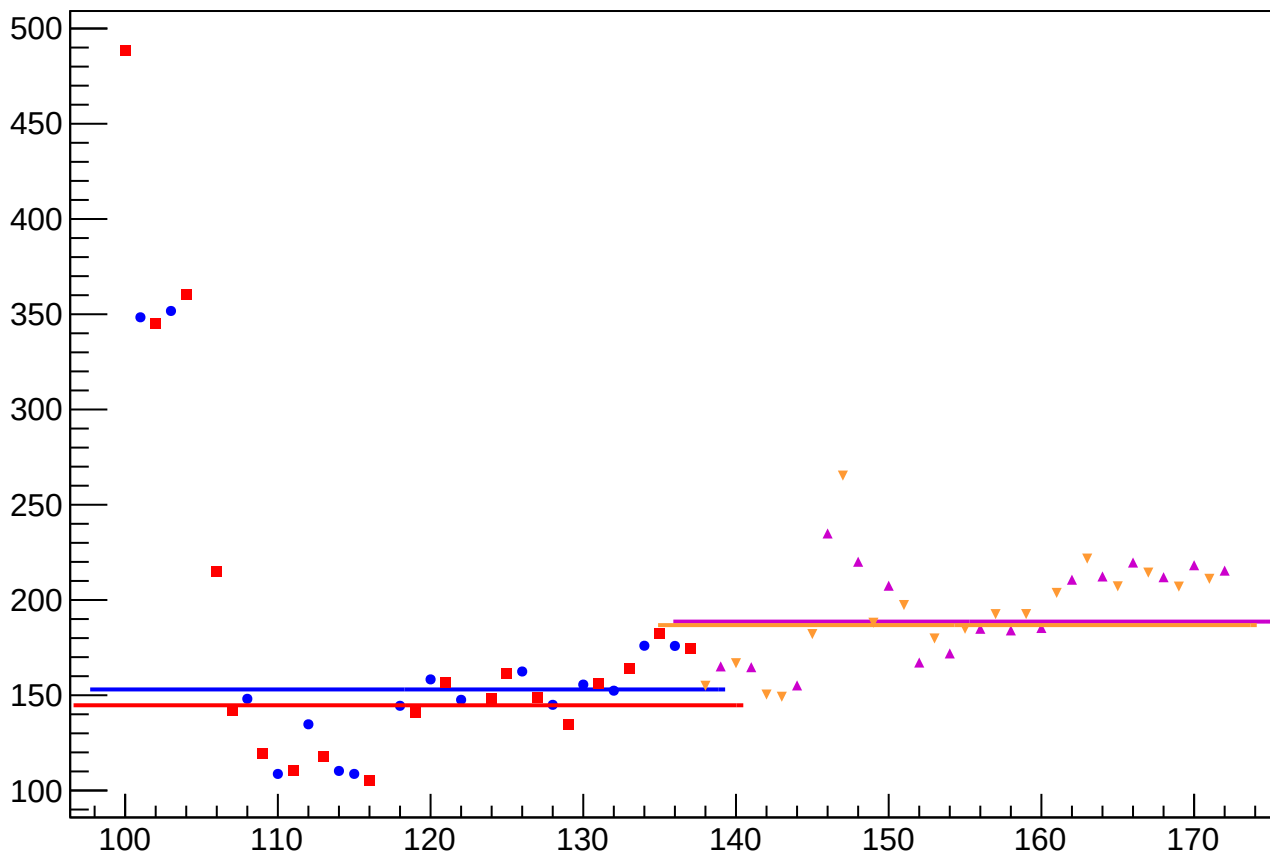
yield_bpm0l06WS_mean vs Slug



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: 128584.209+/-0.051 χ^2 /NDF: 547394115.2/16

+ sign 129775.735+/-0.039 χ^2 /NDF: 1737529895.9
 All: 129782.520+/-0.027 χ^2 /NDF: 411799945
 - sign 129789.033+/-0.038 χ^2 /NDF: 2380409611.1/

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

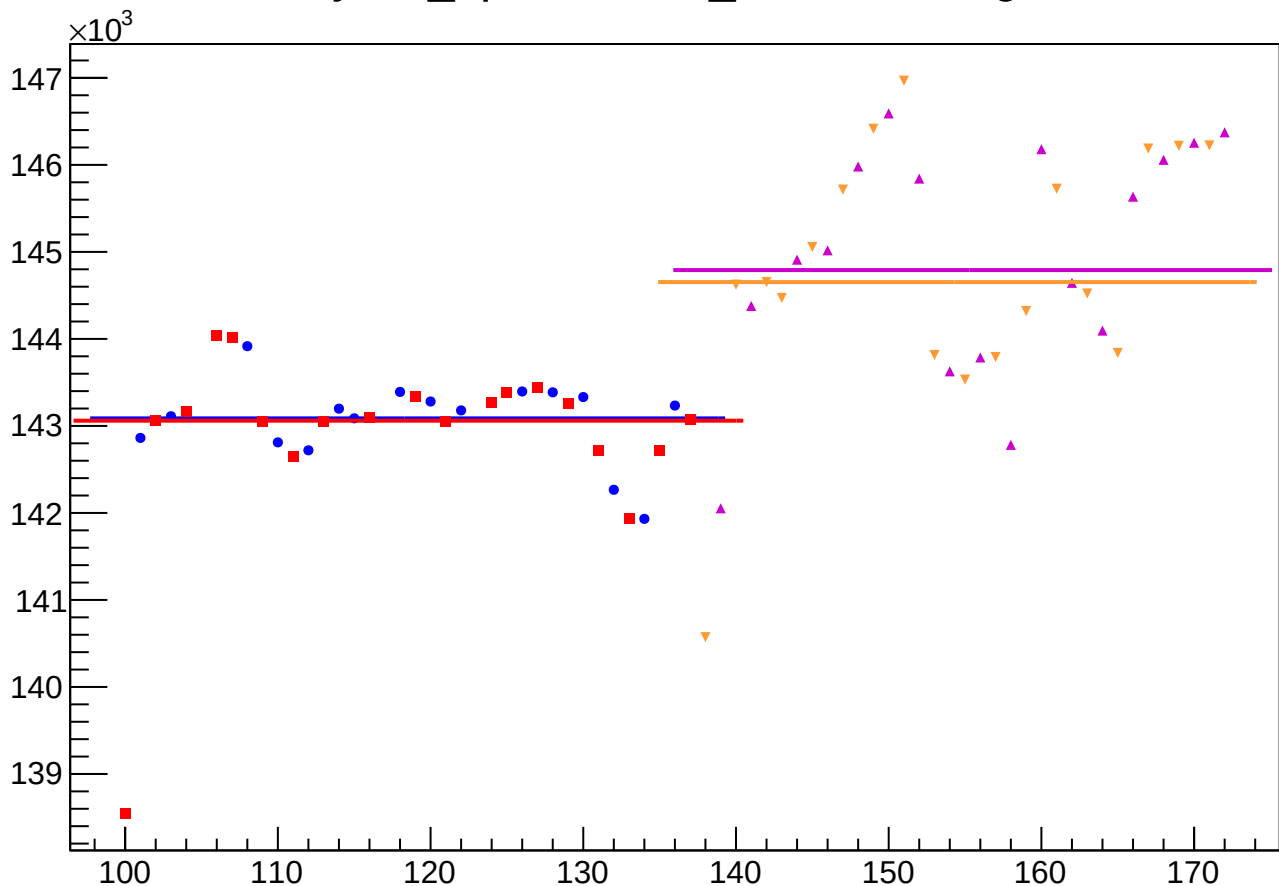
Left In: 188.660+/-0.036 χ^2/NDF : 445192.7/16

+ sign 172.992+/-0.027 χ^2/NDF : 1946218.5/33

All: 170.902+/-0.019 χ^2/NDF : 4327475.7/69

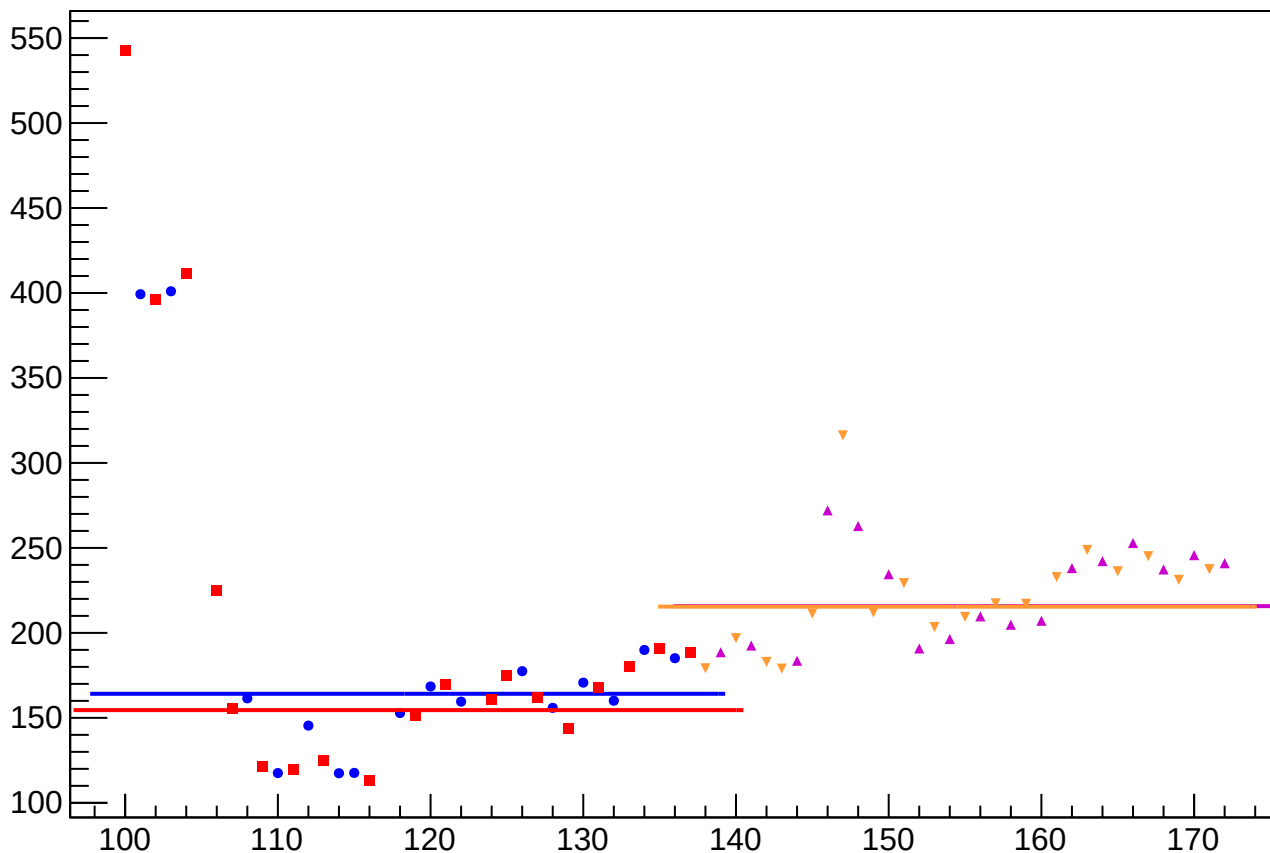
- sign 168.897+/-0.027 χ^2/NDF : 2369885.3/35

yield_bpm0l07WS_mean vs Slug



Right In: 143086.477 $\pm$ 0.065	χ^2 /NDF: 46726277.8/15	+ sign 143956.677 $\pm$ 0.043	χ^2 /NDF: 1088707295.6
Left Out: 144653.090 $\pm$ 0.058	χ^2 /NDF: 720139976.0/17	All: 143955.979 $\pm$ 0.030	χ^2 /NDF: 210506203
Right Out: 143060.268 $\pm$ 0.061	χ^2 /NDF: 51715744.7/18	- sign 143955.321 $\pm$ 0.042	χ^2 /NDF: 1016354219.1/17
Left In: 144791.151 $\pm$ 0.059	χ^2 /NDF: 543545877.5/16		

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

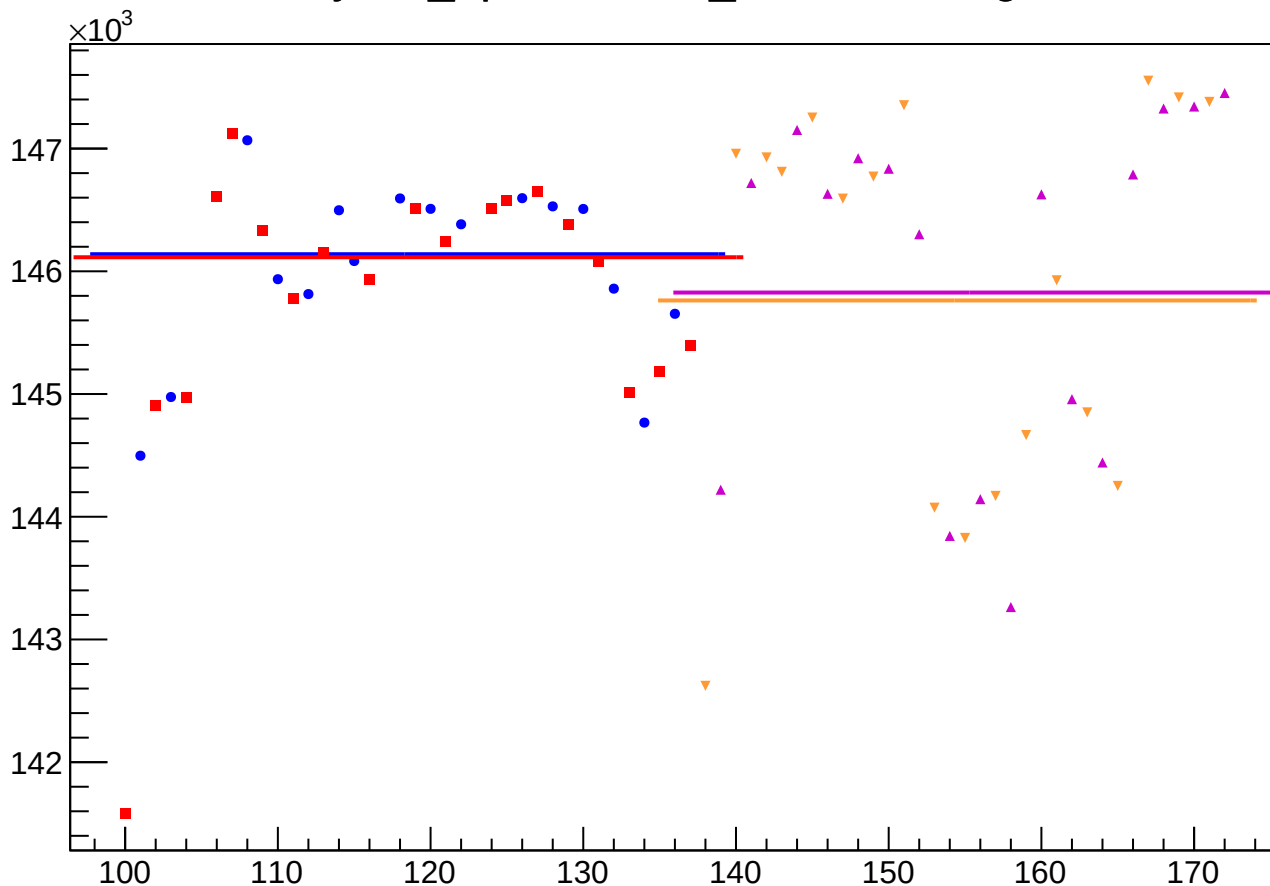
Left In: 215.755+/-0.041 χ^2/NDF : 414661.1/16

+ sign 192.661+/-0.031 χ^2/NDF : 2260726.4/33

All: 189.338+/-0.021 χ^2/NDF : 5117792.3/69

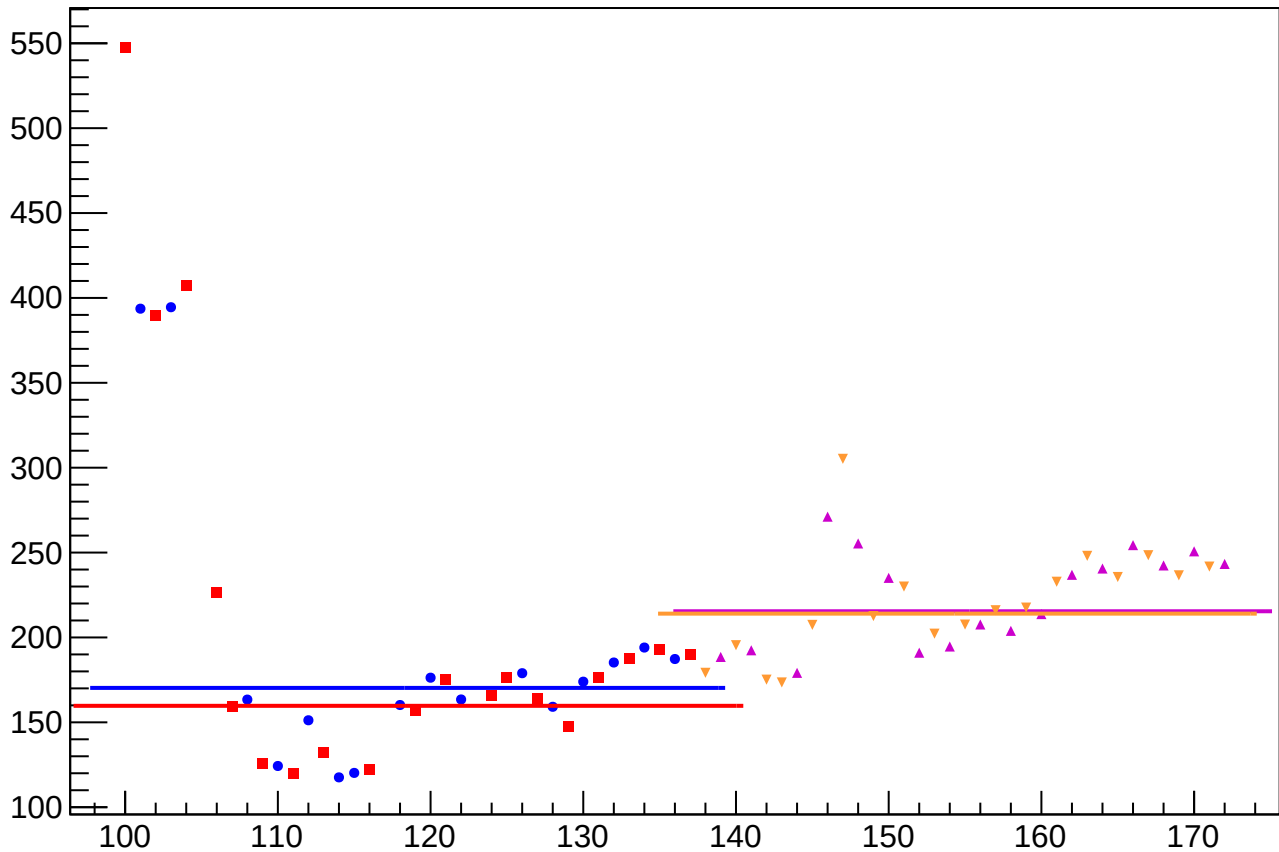
- sign 186.204+/-0.030 χ^2/NDF : 2834278.3/35

yield_bpm0l08WS_mean vs Slug



Right In: 146139.237 $\pm$ 0.067	χ^2 /NDF: 71721843.8/15	+ sign 145922.317 $\pm$ 0.044	χ^2 /NDF: 845324143.7/3
Left Out: 145762.552 $\pm$ 0.058	χ^2 /NDF: 755610893.3/17	All: 145942.372 $\pm$ 0.031	χ^2 /NDF: 152853083
Right Out: 146114.458 $\pm$ 0.062	χ^2 /NDF: 73102068.4/18	- sign 145961.381 $\pm$ 0.043	χ^2 /NDF: 682799993.8/3
Left In: 145826.877 $\pm$ 0.059	χ^2 /NDF: 598420926.3/16		

yield_bpm0l08WS_rms vs Slug



Right In: 170.279 $\pm$ 0.048 χ^2 /NDF: 1057631.0/15

Left Out: 214.023 $\pm$ 0.041 χ^2 /NDF: 481232.8/17

Right Out: 159.724 $\pm$ 0.044 χ^2 /NDF: 1291290.8/18

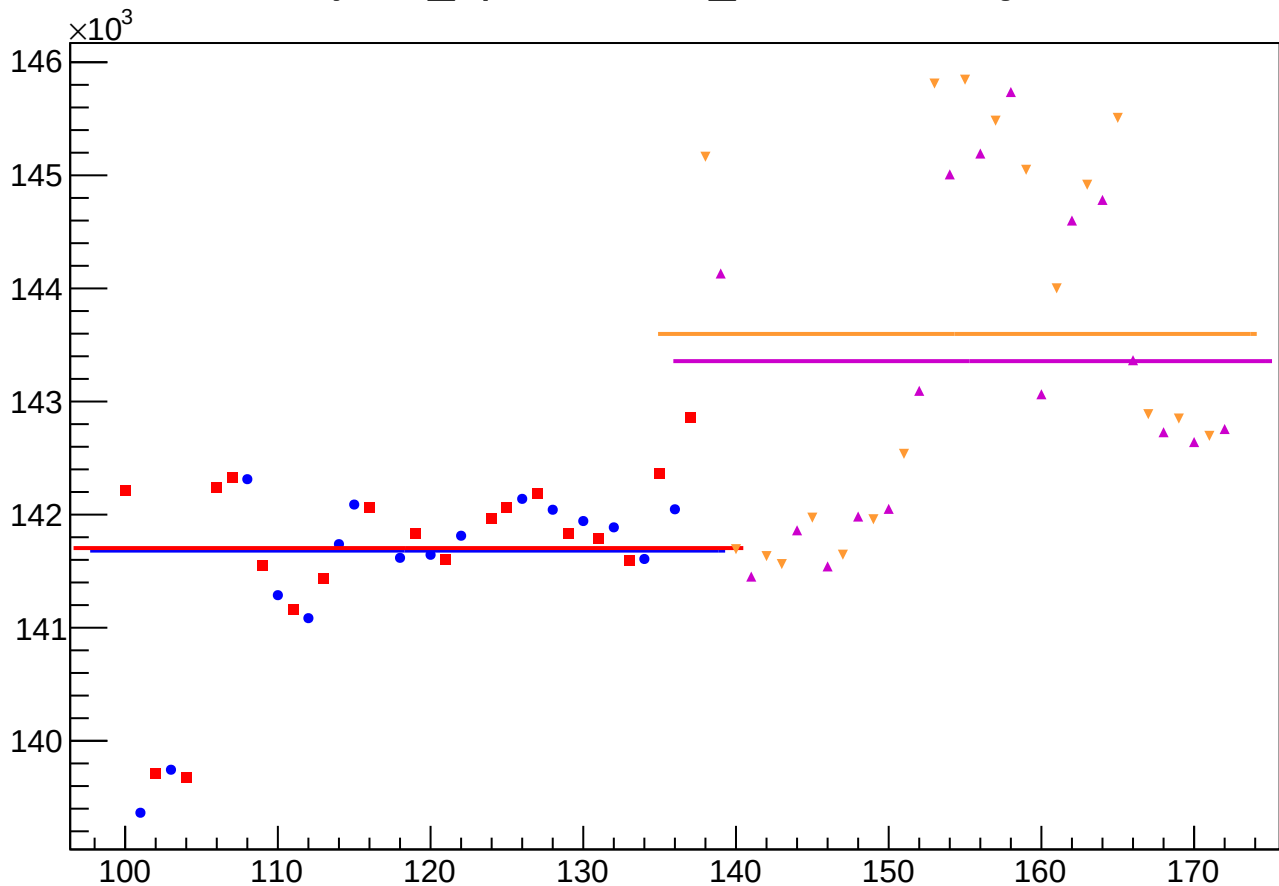
Left In: 215.425 $\pm$ 0.041 χ^2 /NDF: 438040.7/16

+ sign 195.469 $\pm$ 0.031 χ^2 /NDF: 2024121.2/33

All: 192.340 $\pm$ 0.022 χ^2 /NDF: 4619370.5/69

- sign 189.373 $\pm$ 0.030 χ^2 /NDF: 2575440.0/35

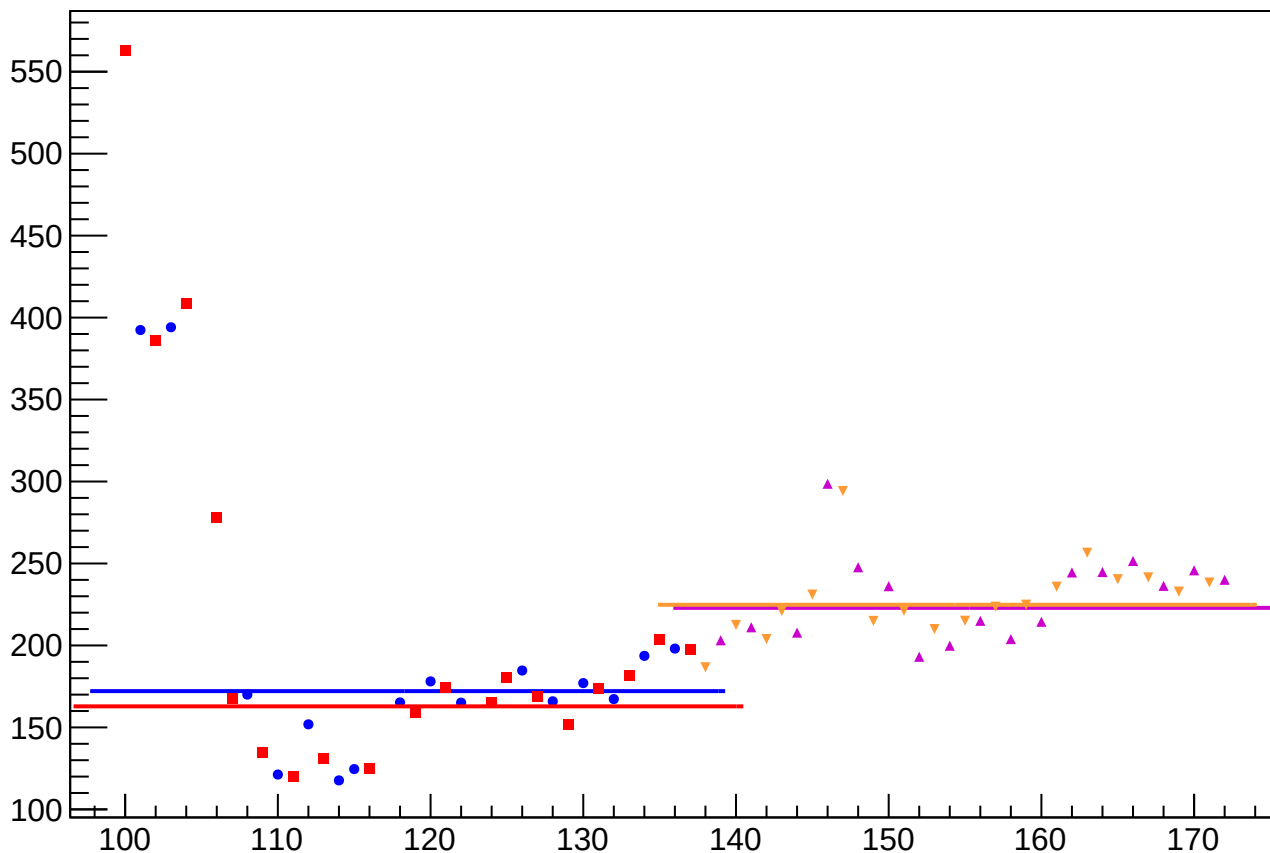
yield_bpm0l09WS_mean vs Slug



Right In: 141681.846 $\pm$ 0.068 χ^2 /NDF: 64292997.9/15
 Left Out: 143597.601 $\pm$ 0.060 χ^2 /NDF: 723771852.2/17
 Right Out: 141704.185 $\pm$ 0.064 χ^2 /NDF: 65526811.0/18
 Left In: 143357.143 $\pm$ 0.060 χ^2 /NDF: 507743459.1/16

+ sign 142755.959 $\pm$ 0.045 χ^2 /NDF: 1229566566.3
 All: 142662.480 $\pm$ 0.032 χ^2 /NDF: 216462146
 - sign 142574.513 $\pm$ 0.044 χ^2 /NDF: 926771295.2/3

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

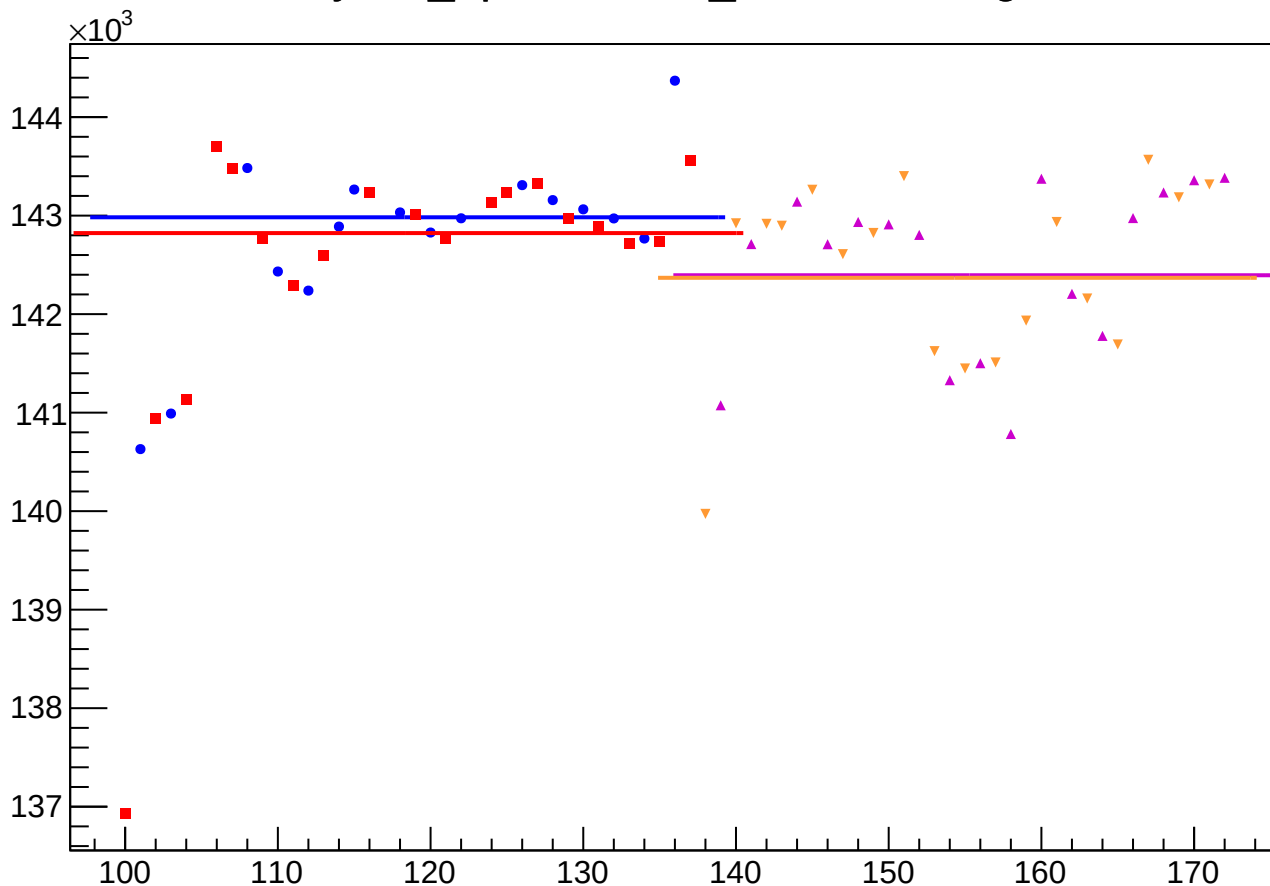
Left In: 222.935 ± 0.043 χ^2/NDF : 310878.7/16

+ sign 201.670 ± 0.032 χ^2/NDF : 1971223.8/33

All: 197.968 ± 0.022 χ^2/NDF : 4548291.5/69

- sign 194.484 ± 0.031 χ^2/NDF : 2551083.1/35

yield_bpm0l10WS_mean vs Slug



Right In: 142983.006 $\pm$ 0.069 χ^2 /NDF: 107696217.2/15

Left Out: 142368.809 $\pm$ 0.057 χ^2 /NDF: 299817558.2/17

Right Out: 142822.727 $\pm$ 0.064 χ^2 /NDF: 63581232.6/18

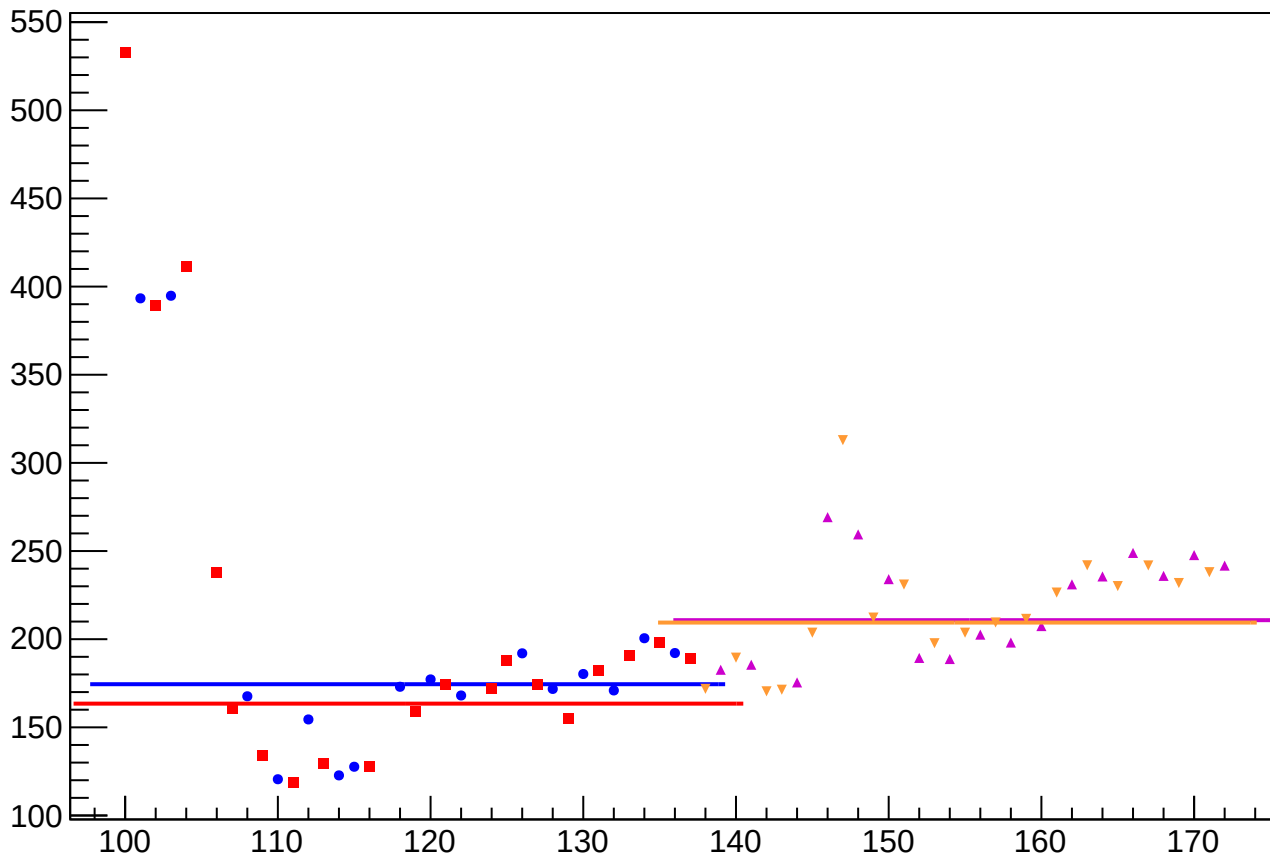
Left In: 142394.684 $\pm$ 0.057 χ^2 /NDF: 238295897.4/16

+ sign 142615.341 $\pm$ 0.044 χ^2 /NDF: 454793190.8/3

All: 142599.816 $\pm$ 0.031 χ^2 /NDF: 781728532

- sign 142585.050 $\pm$ 0.043 χ^2 /NDF: 326690048.2/3

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

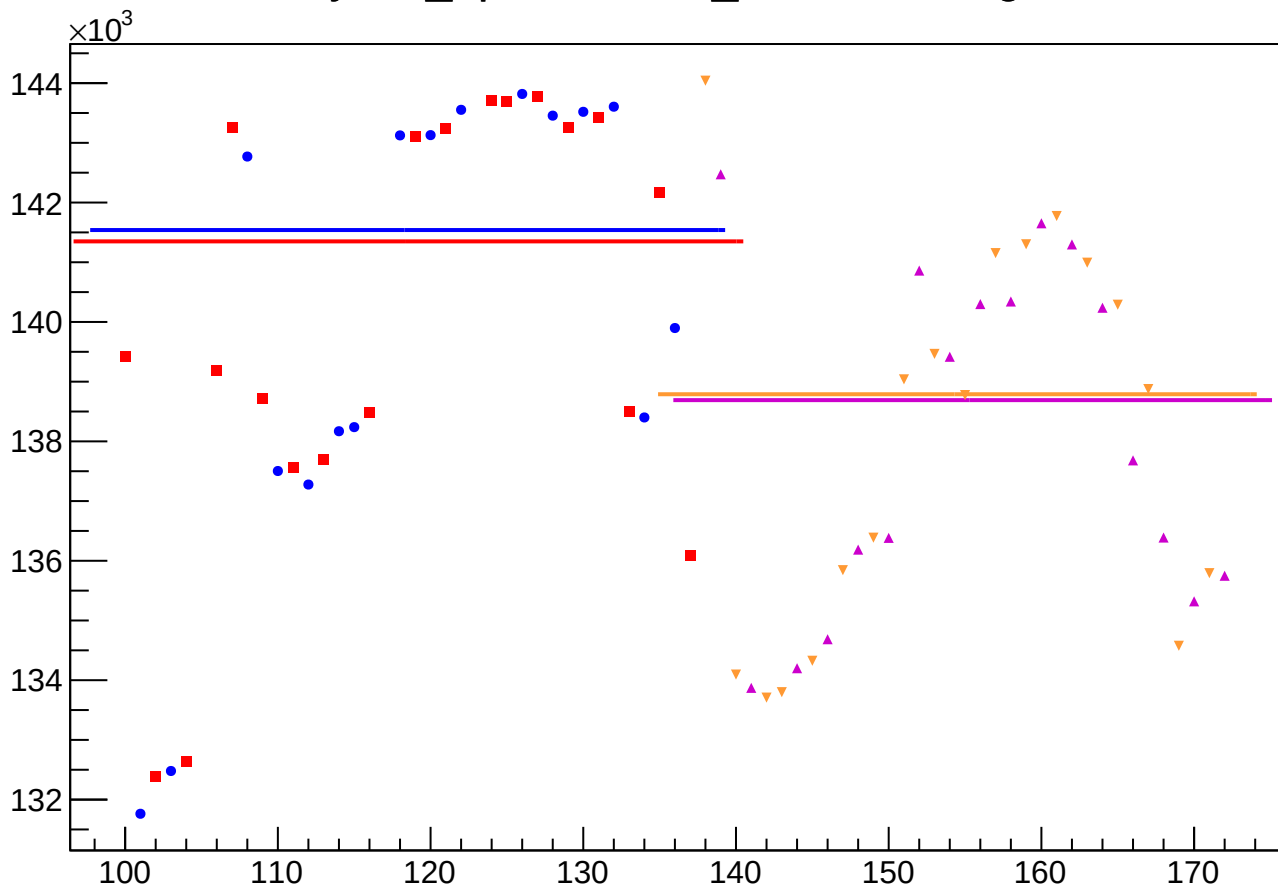
Left In: 210.788+/-0.041 χ^2/NDF : 488804.2/16

+ sign 195.396+/-0.031 χ^2/NDF : 1886614.5/33

All: 192.494+/-0.022 χ^2/NDF : 4282047.9/69

- sign 189.734+/-0.030 χ^2/NDF : 2378291.9/35

yield_bpm0r03WS_mean vs Slug



Right In: 141539.467 $\pm$ 0.101 χ^2 /NDF: 947743743.7/15

Left Out: 138789.303 $\pm$ 0.083 χ^2 /NDF: 1660093282.6/17

Right Out: 141349.499 $\pm$ 0.101 χ^2 /NDF: 926661757.9/18

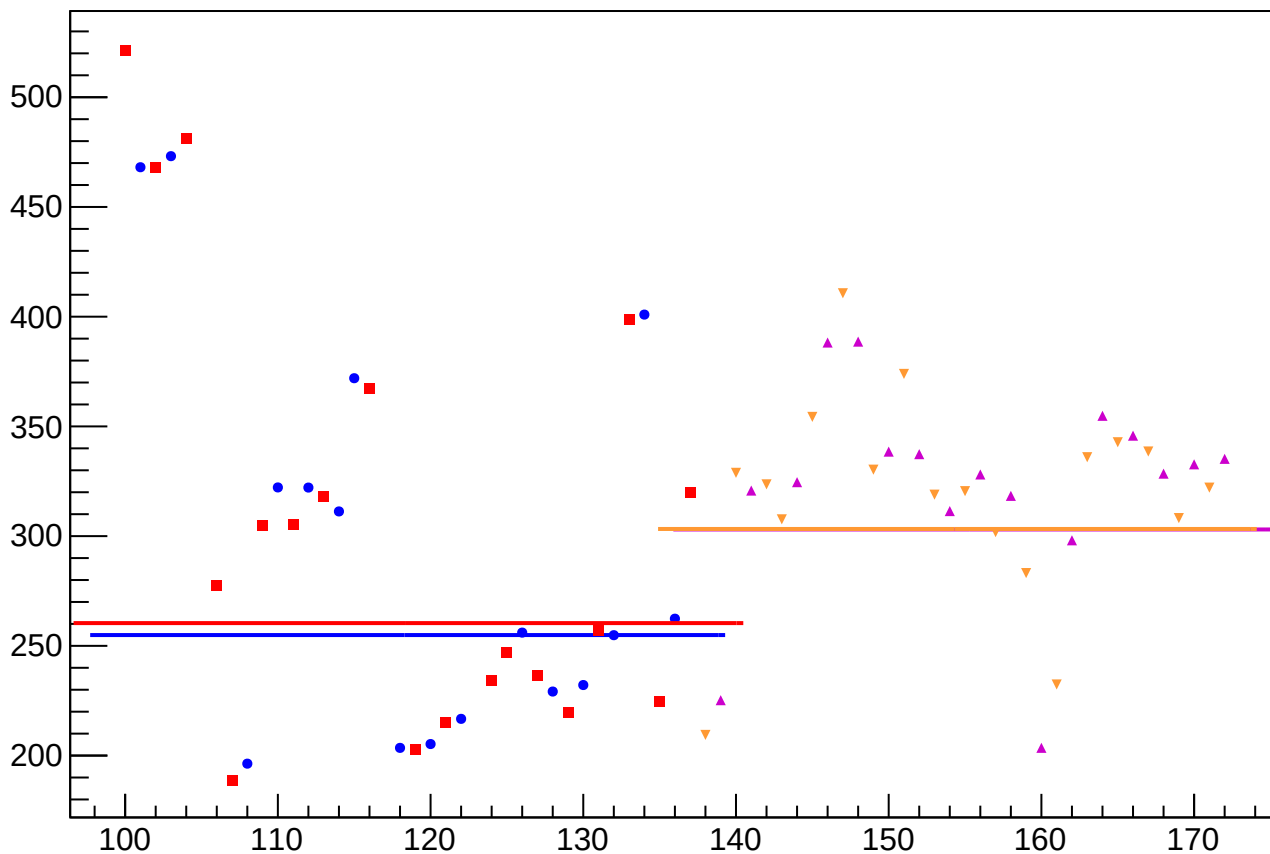
Left In: 138690.661 $\pm$ 0.083 χ^2 /NDF: 1263396301.3/16

+ sign 139894.964 $\pm$ 0.064 χ^2 /NDF: 3052858348.4

All: 139832.614 $\pm$ 0.045 χ^2 /NDF: 565623384

- sign 139769.389 $\pm$ 0.064 χ^2 /NDF: 2601459189.8

yield_bpm0r03WS_rms vs Slug



Right In: 254.919 ± 0.071 $\chi^2/\text{NDF}: 949952.1/15$

Left Out: 303.263 ± 0.058 $\chi^2/\text{NDF}: 751589.9/17$

Right Out: 260.369 ± 0.071 $\chi^2/\text{NDF}: 993300.6/18$

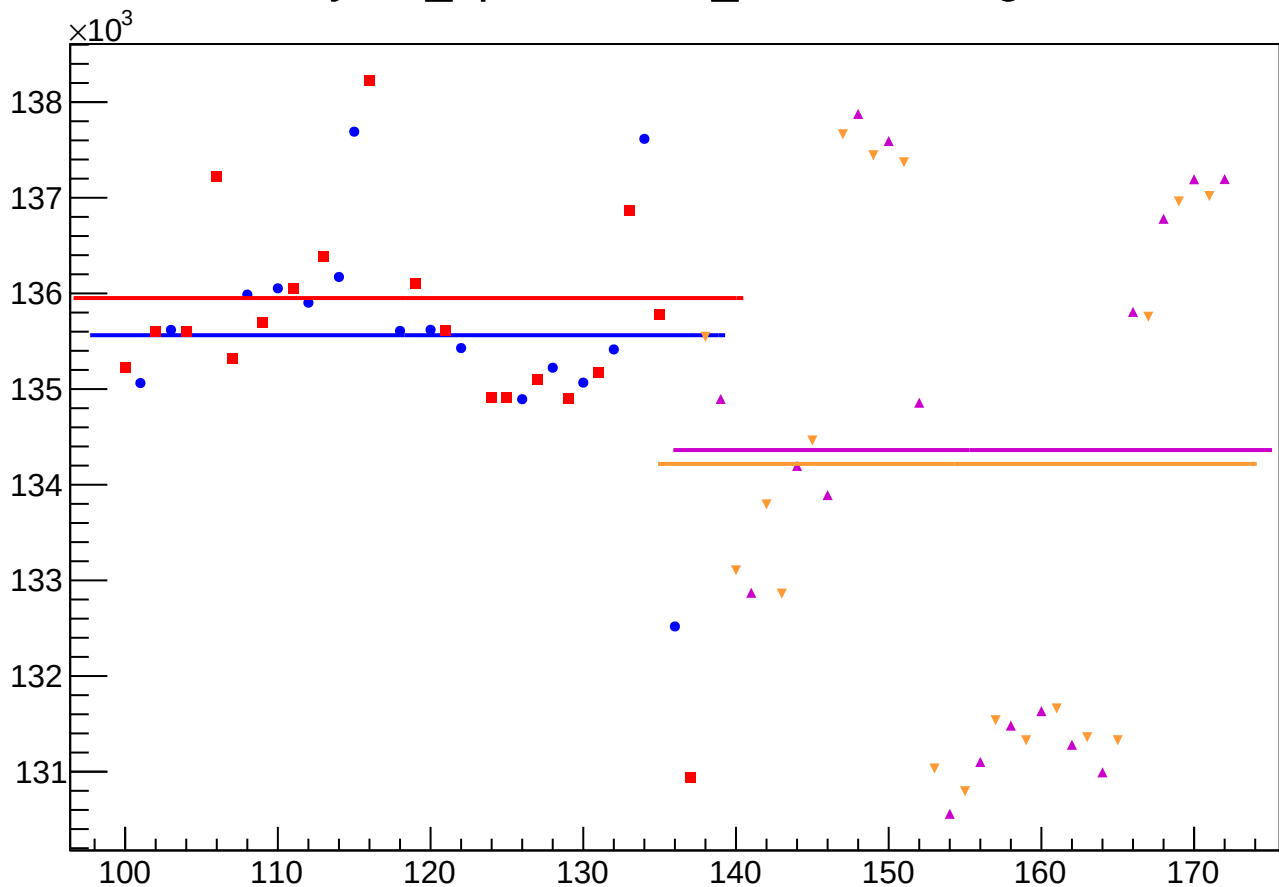
Left In: 303.037 ± 0.059 $\chi^2/\text{NDF}: 887771.6/16$

+ sign 283.827 ± 0.045 $\chi^2/\text{NDF}: 1976566.6/33$

All: 284.770 ± 0.032 $\chi^2/\text{NDF}: 4070411.4/69$

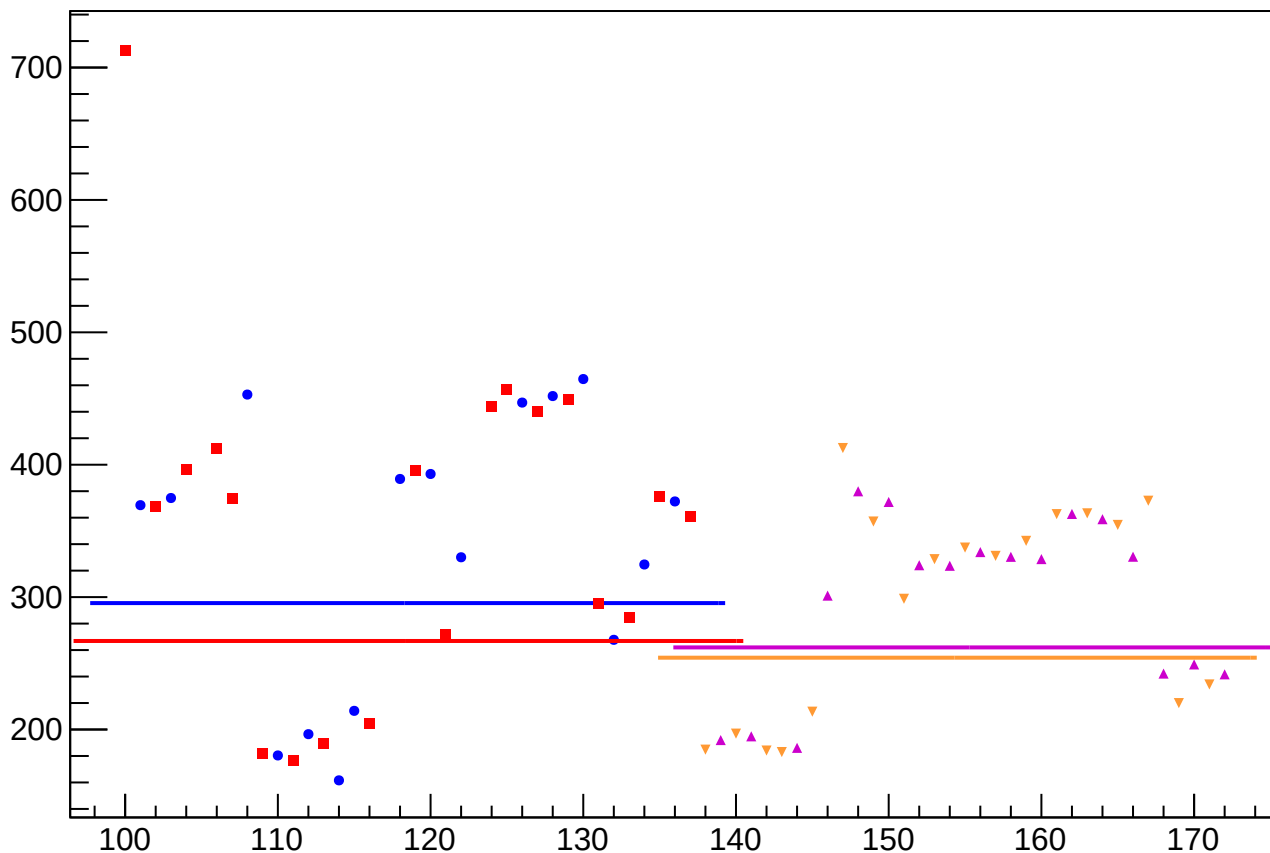
- sign 285.726 ± 0.046 $\chi^2/\text{NDF}: 2092968.5/35$

yield_bpm0r05WS_mean vs Slug



Right In: 135563.062 $\pm$ 0.118	χ^2 /NDF: 94169293.7/15	+ sign 134573.997 $\pm$ 0.061	χ^2 /NDF: 1170241792.1/17
Left Out: 134217.880 $\pm$ 0.071	χ^2 /NDF: 981090596.2/17	All: 134724.660 $\pm$ 0.043	χ^2 /NDF: 236289403.7/17
Right Out: 135951.486 $\pm$ 0.106	χ^2 /NDF: 91577209.6/18	- sign 134872.022 $\pm$ 0.060	χ^2 /NDF: 1180543869.3/17
Left In: 134362.490 $\pm$ 0.073	χ^2 /NDF: 937322927.9/16		

yield_bpm0r05WS_rms vs Slug



Right In: 295.481 $\pm$ 0.084 χ^2 /NDF: 1442531.9/15

Left Out: 254.245 $\pm$ 0.050 χ^2 /NDF: 2162759.7/17

Right Out: 266.864 $\pm$ 0.075 χ^2 /NDF: 1678073.6/18

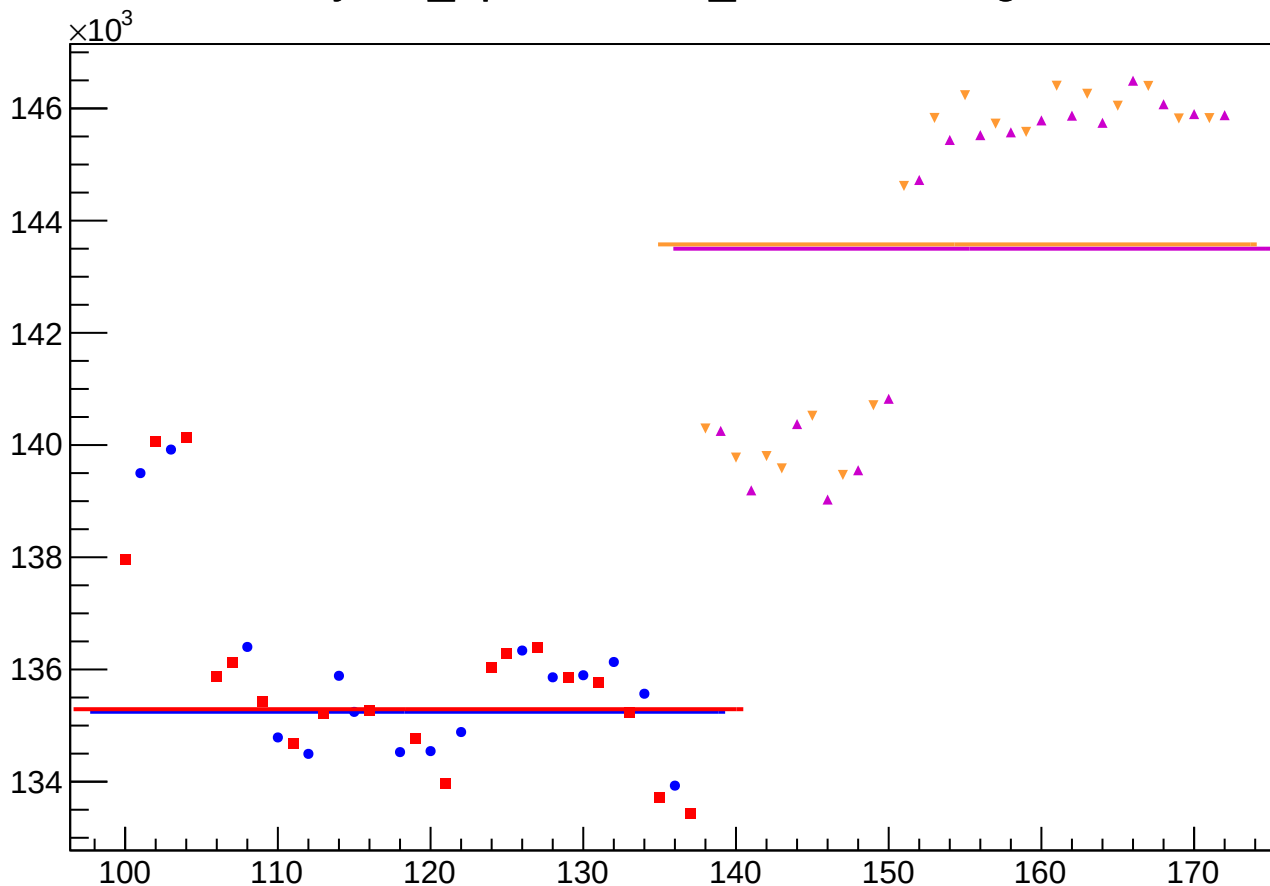
Left In: 262.003 $\pm$ 0.052 χ^2 /NDF: 1682741.2/16

+ sign 265.162 $\pm$ 0.043 χ^2 /NDF: 3783806.0/33

All: 264.353 $\pm$ 0.030 χ^2 /NDF: 7148156.8/69

- sign 263.562 $\pm$ 0.043 χ^2 /NDF: 3363653.0/35

yield_bpm0i02WS_mean vs Slug



Right In: 135246.269 $\pm$ 0.055 χ^2 /NDF: 388384719.1/15

Left Out: 143576.436 $\pm$ 0.053 χ^2 /NDF: 2927346799.7/17

Right Out: 135291.851 $\pm$ 0.052 χ^2 /NDF: 381790556.0/18

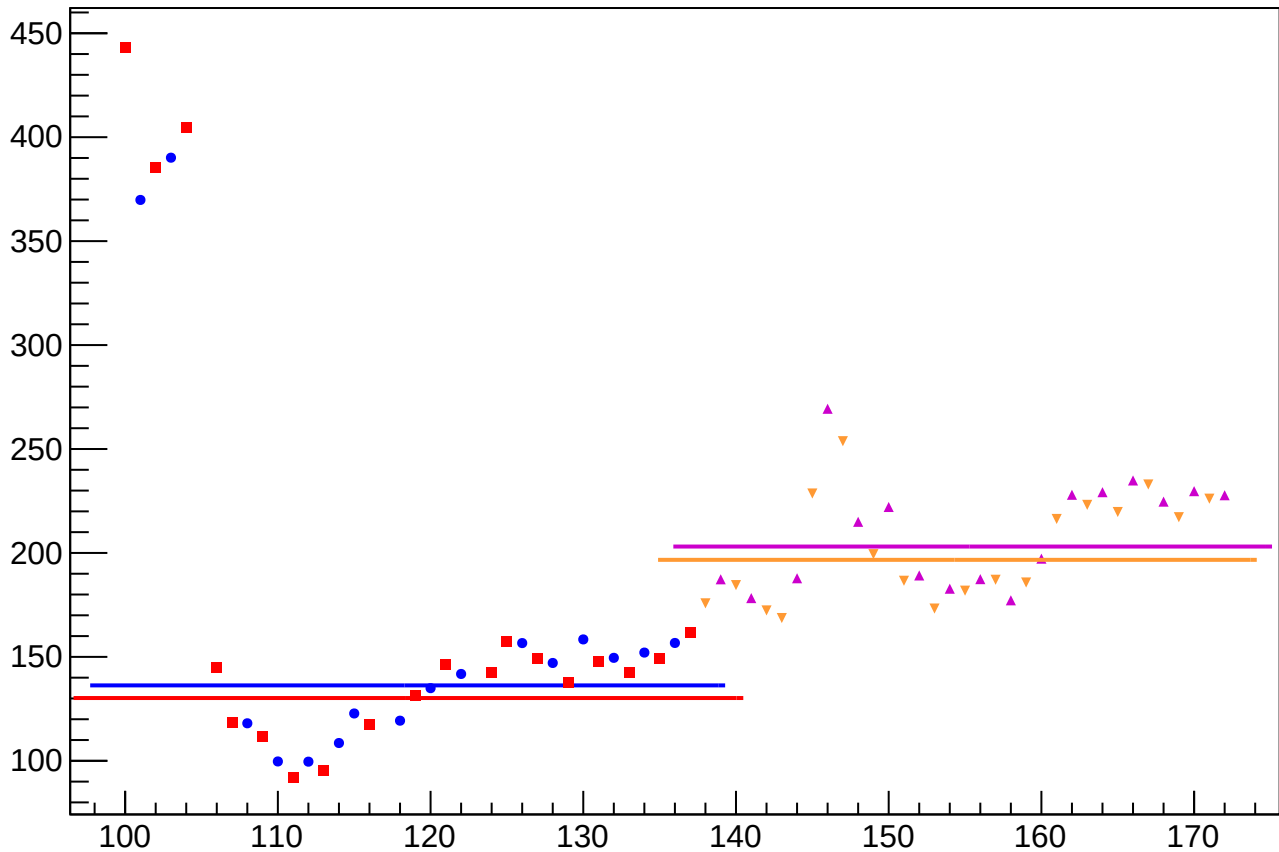
Left In: 143500.021 $\pm$ 0.055 χ^2 /NDF: 2615087014.0/16

+ sign 139537.859 $\pm$ 0.038 χ^2 /NDF: 15254268819.0

All: 139334.073 $\pm$ 0.027 χ^2 /NDF: 300842745.0

- sign 139134.122 $\pm$ 0.038 χ^2 /NDF: 14773332821.2

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

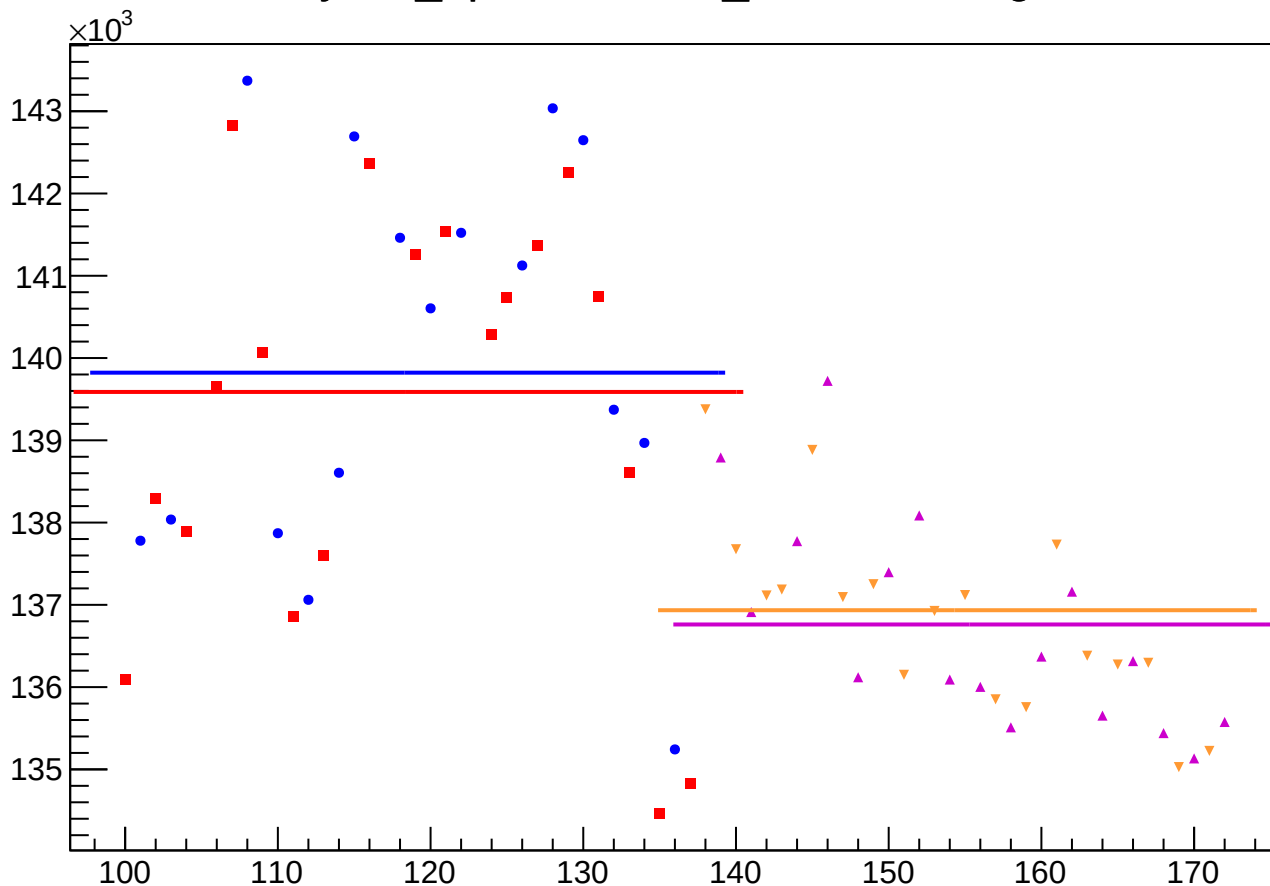
Left In: 203.080 ± 0.039 χ^2/NDF : 368660.4/16

+ sign 167.401 ± 0.027 χ^2/NDF : 3024598.9/33

All: 165.845 ± 0.019 χ^2/NDF : 6777233.0/69

- sign 164.319 ± 0.027 χ^2/NDF : 3746028.7/35

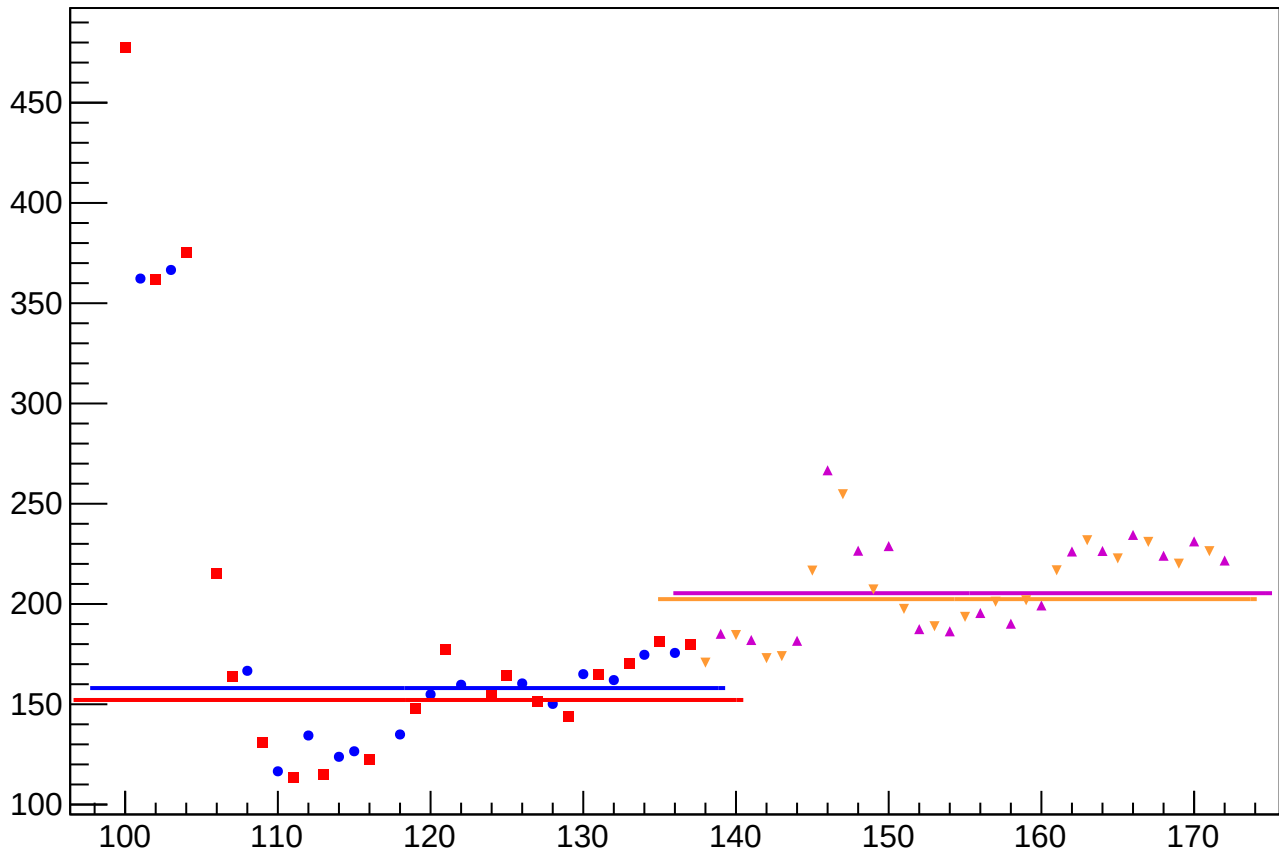
yield_bpm0i02aWS_mean vs Slug



Right In: 139822.122 ± 0.063 $\chi^2/\text{NDF}: 1663381581.4/15$
 Left Out: 136934.641 ± 0.055 $\chi^2/\text{NDF}: 433743391.6/17$
 Right Out: 139587.876 ± 0.060 $\chi^2/\text{NDF}: 1482934186.2/18$
 Left In: 136761.334 ± 0.056 $\chi^2/\text{NDF}: 464548519.4/16$

+ sign 138184.499 ± 0.041 $\chi^2/\text{NDF}: 3304101468.3/19$
 All: 138131.626 ± 0.029 $\chi^2/\text{NDF}: 644983381.1/20$
 - sign 138079.747 ± 0.041 $\chi^2/\text{NDF}: 3142466280.0/21$

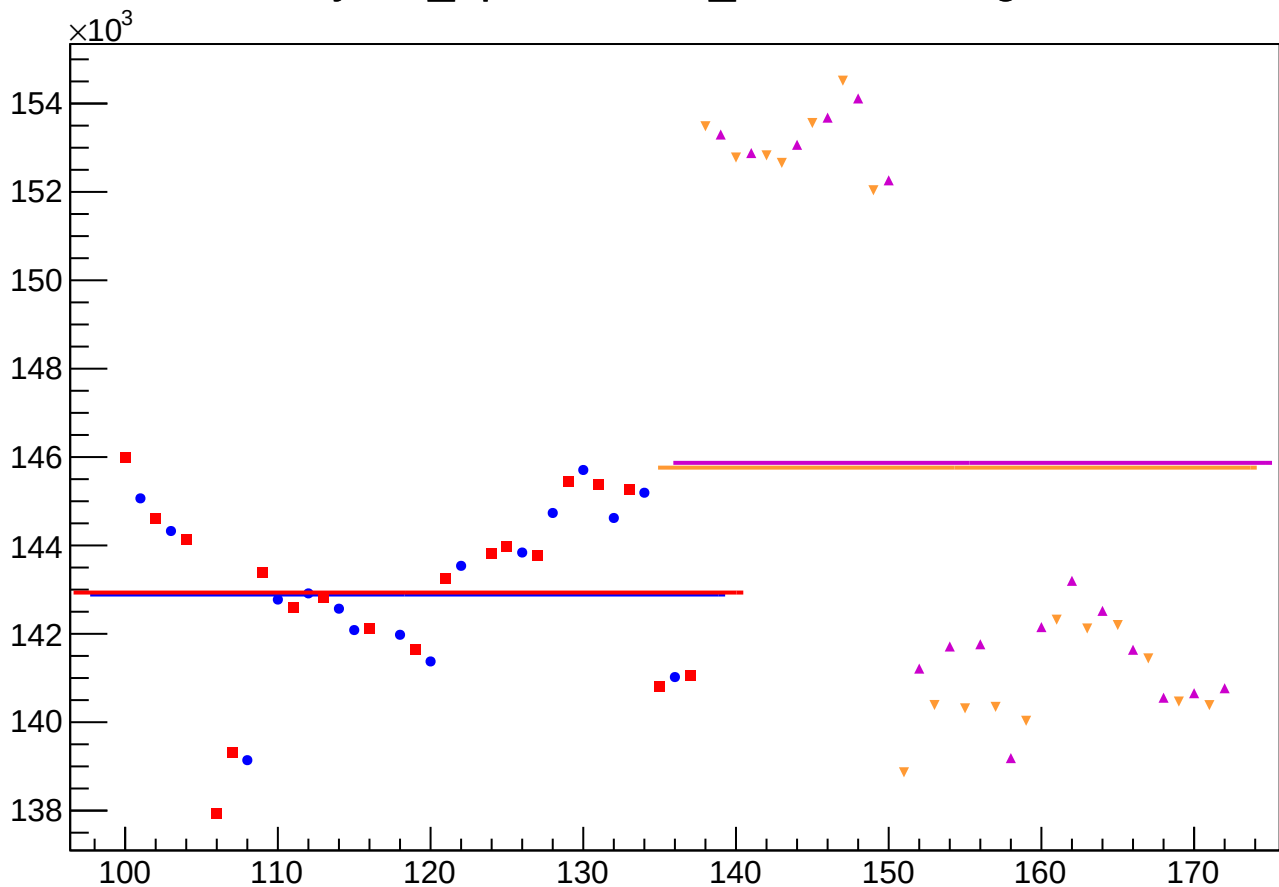
yield_bpm0i02aWS_rms vs Slug



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: 205.389 ± 0.039 χ^2/NDF : 333601.8/16

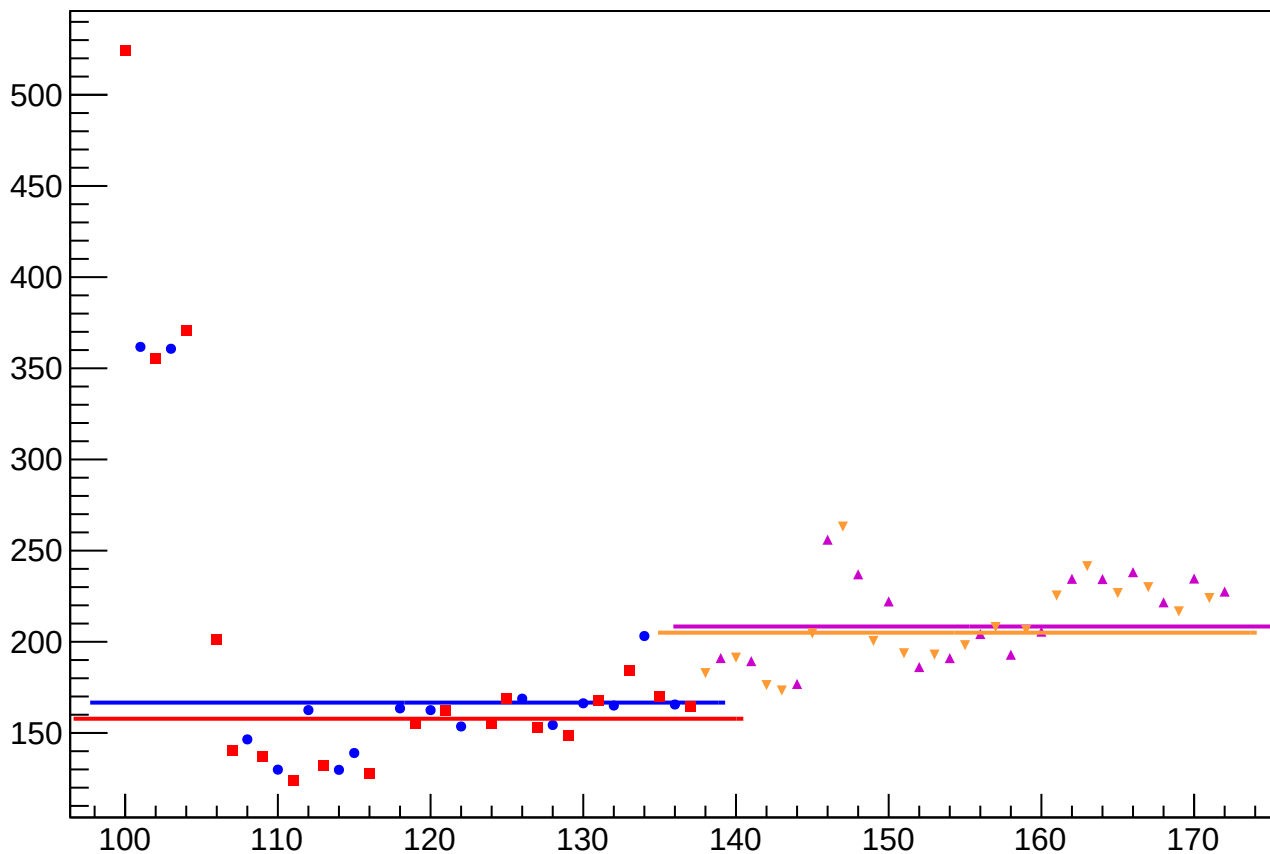
+ sign 183.233 ± 0.029 χ^2/NDF : 1905845.1/33
 All: 181.879 ± 0.020 χ^2/NDF : 4321033.7/69
 - sign 180.551 ± 0.029 χ^2/NDF : 2410907.9/35

yield_bpm0i05WS_mean vs Slug



Right In: 142889.386 $\pm$ 0.066 χ^2 /NDF: 763303771.6/15
 Left Out: 145760.905 $\pm$ 0.055 χ^2 /NDF: 12376646391.0/17
 Right Out: 142933.890 $\pm$ 0.062 χ^2 /NDF: 787386856.4/18
 Left In: 145869.050 $\pm$ 0.057 χ^2 /NDF: 10668102525.6/16
 + sign 144569.392 $\pm$ 0.042 χ^2 /NDF: 14258082511.6/17
 - sign 144523.926 $\pm$ 0.042 χ^2 /NDF: 12687939773.6/17
 All: 144546.305 $\pm$ 0.030 χ^2 /NDF: 269466080.0/17

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

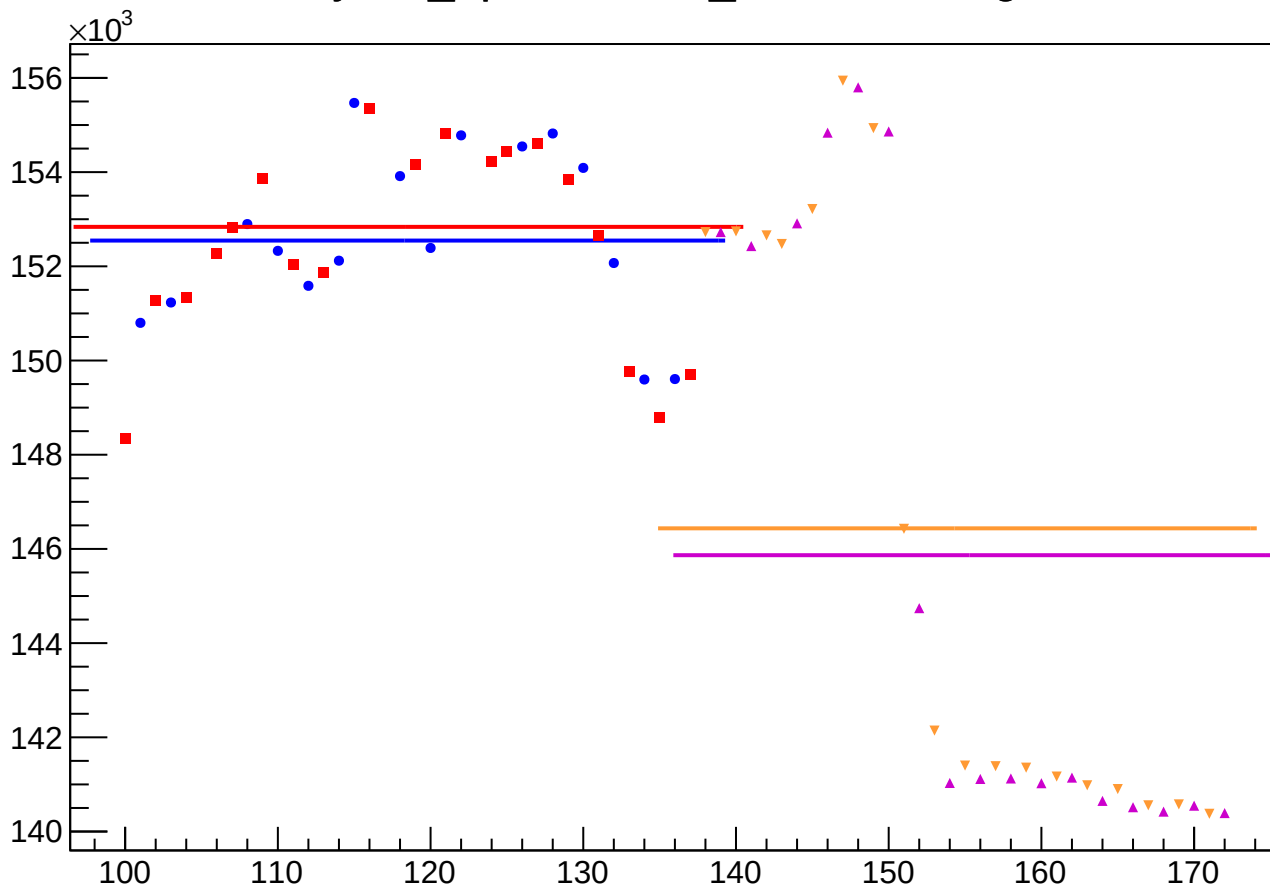
Left In: 208.386 ± 0.040 χ^2/NDF : 317186.9/16

+ sign 189.093 ± 0.030 χ^2/NDF : 1559529.5/33

All: 187.120 ± 0.021 χ^2/NDF : 3639494.9/69

- sign 185.208 ± 0.029 χ^2/NDF : 2071402.4/35

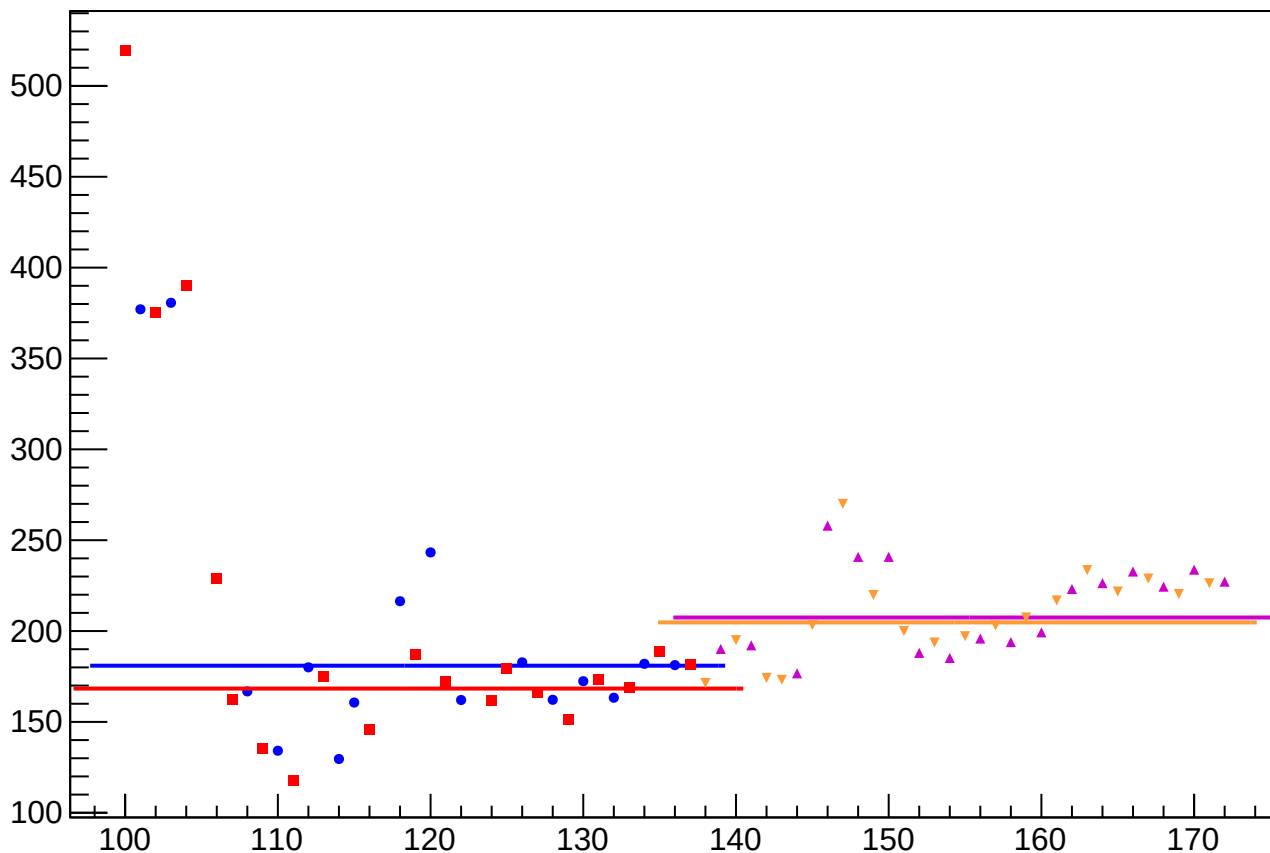
yield_bpm0i07WS_mean vs Slug



Right In: 152546.899 $\pm$ 0.073 χ^2 /NDF: 654540559.6/15
 Left Out: 146437.106 $\pm$ 0.055 χ^2 /NDF: 11410697491.8/17
 Right Out: 152837.888 $\pm$ 0.067 χ^2 /NDF: 736907066.8/18
 Left In: 145866.882 $\pm$ 0.056 χ^2 /NDF: 11641393503.0/16

+ sign 148668.602 $\pm$ 0.044 χ^2 /NDF: 16559015527.7
 All: 148717.179 $\pm$ 0.031 χ^2 /NDF: 353311743.7
 - sign 148763.756 $\pm$ 0.043 χ^2 /NDF: 18769758710.7

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

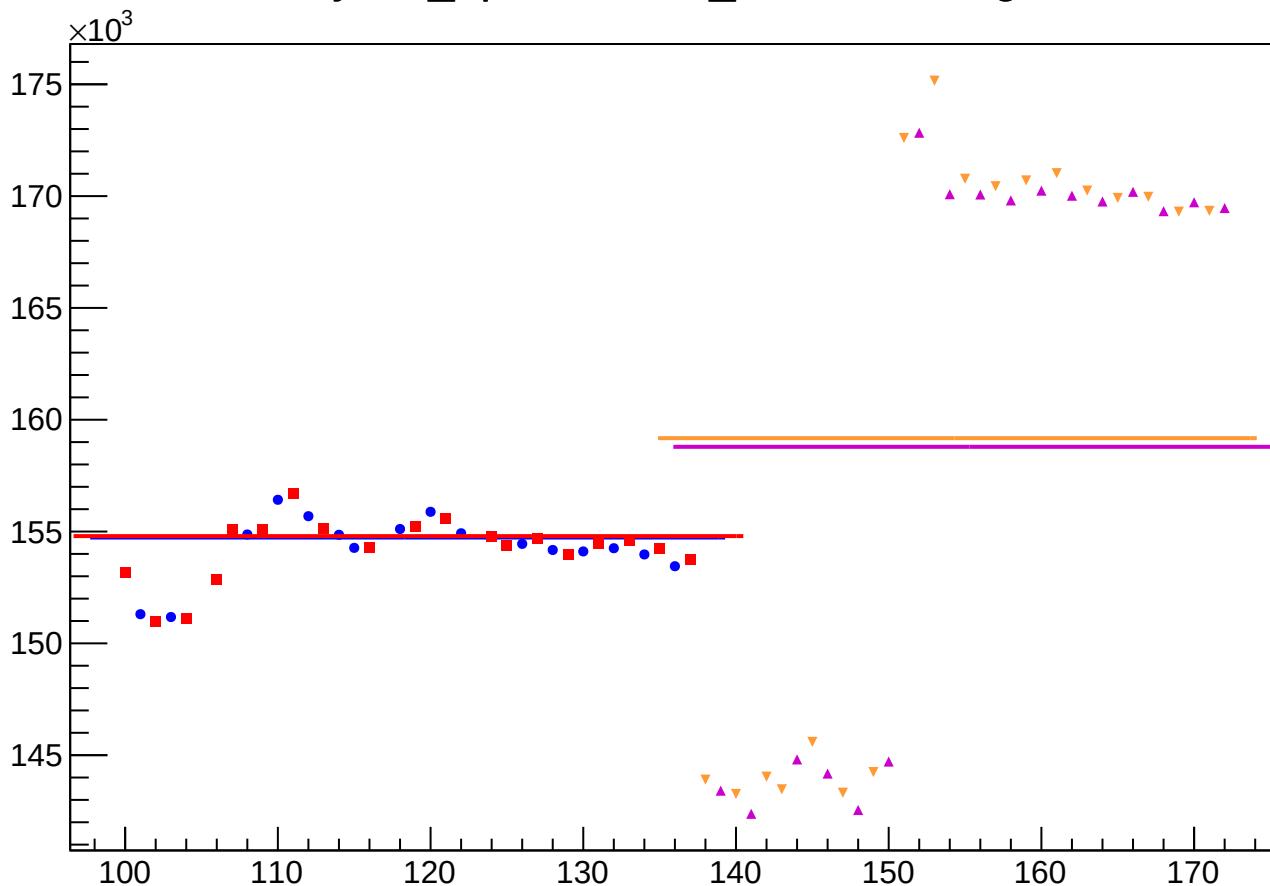
Left In: 207.450 ± 0.040 χ^2/NDF : 342606.9/16

+ sign 196.059 ± 0.031 χ^2/NDF : 1375280.8/33

All: 193.579 ± 0.022 χ^2/NDF : 3221663.3/69

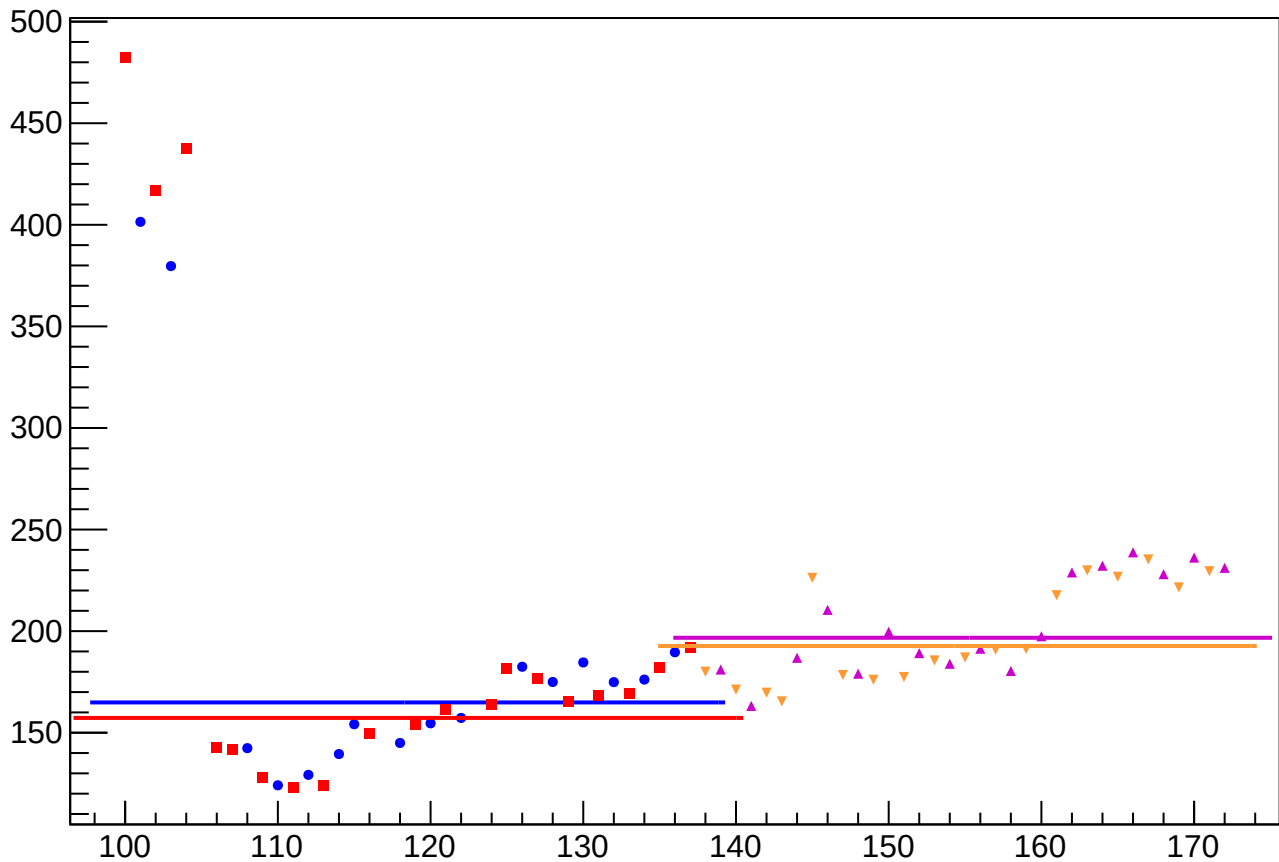
- sign 191.201 ± 0.030 χ^2/NDF : 1833872.0/35

yield_bpm1i02WS_mean vs Slug



Right In: 154733.155 $\pm$ 0.065	χ^2 /NDF: 274462319.1/15	+ sign 157457.366 $\pm$ 0.041	χ^2 /NDF: 72015692593.8
Left Out: 159175.904 $\pm$ 0.052	χ^2 /NDF: 68893745258.9/17	All: 157259.892 $\pm$ 0.029	χ^2 /NDF: 136744283
Right Out: 154795.893 $\pm$ 0.061	χ^2 /NDF: 304125082.4/18	- sign 157066.708 $\pm$ 0.040	χ^2 /NDF: 64681670524.0
Left In: 158789.160 $\pm$ 0.053	χ^2 /NDF: 61945755563.4/16		

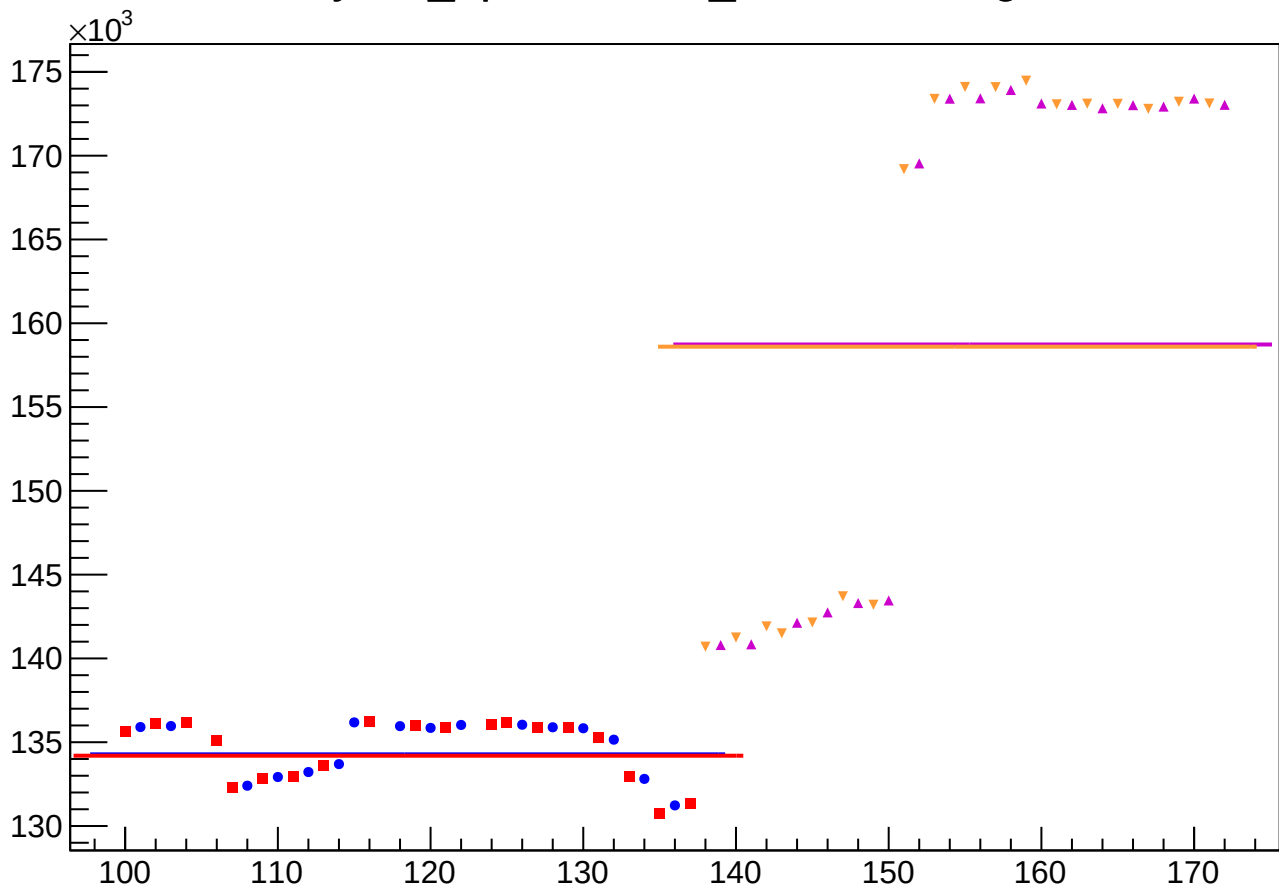
yield_bpm1i02WS_rms vs Slug



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: 196.736 ± 0.038 χ^2/NDF : 350538.1/16

+ sign 181.941 ± 0.029 χ^2/NDF : 1679035.3/33
 All: 180.817 ± 0.020 χ^2/NDF : 3762188.1/69
 - sign 179.718 ± 0.028 χ^2/NDF : 2080115.6/35

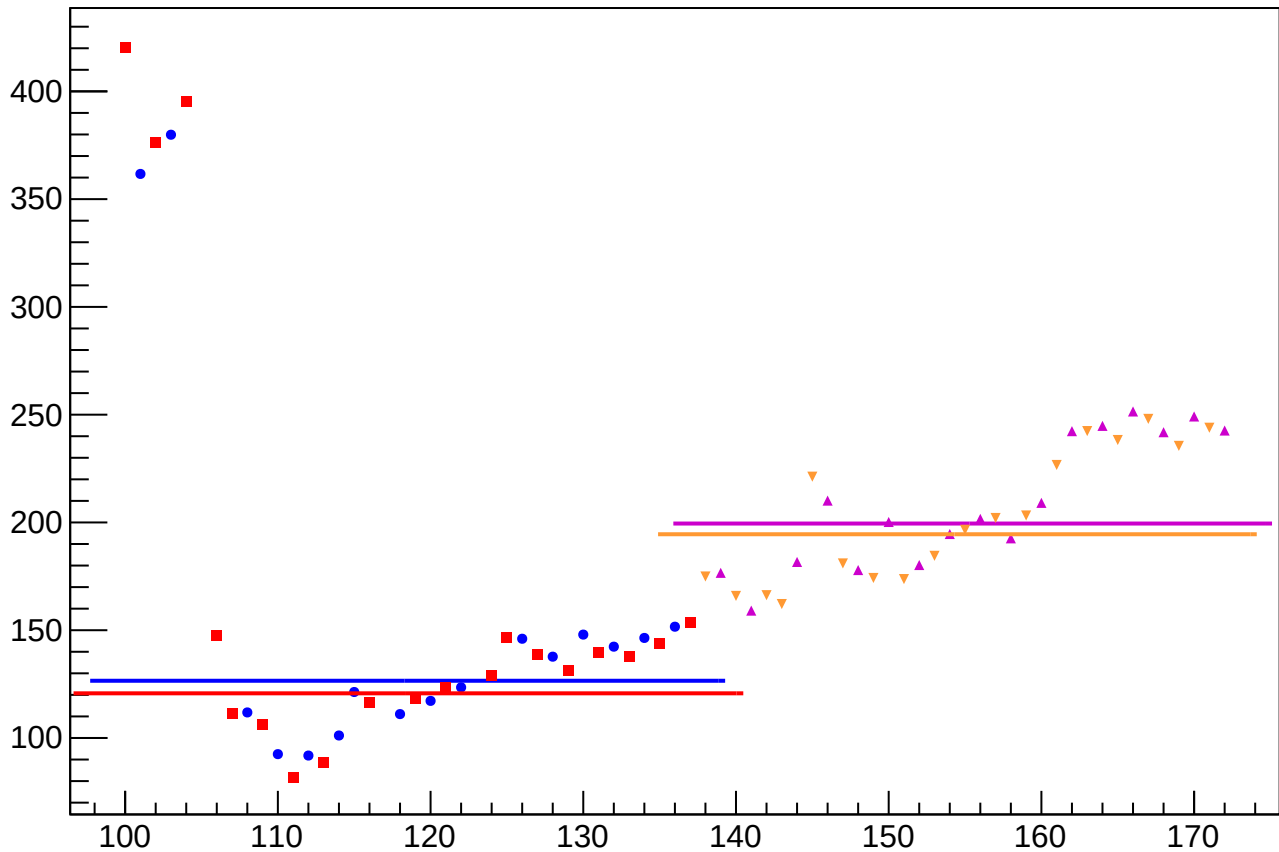
yield_bpm1i04WS_mean vs Slug



Right In: 134276.096 $\pm$ 0.051 χ^2 /NDF: 1142867100.2/15
 Left Out: 158602.691 $\pm$ 0.052 χ^2 /NDF: 86810467485.2/17
 Right Out: 134195.257 $\pm$ 0.048 χ^2 /NDF: 1205537499.7/18
 Left In: 158733.277 $\pm$ 0.054 χ^2 /NDF: 80174289143.9/16

+ sign 146050.436 $\pm$ 0.037 χ^2 /NDF: 198834431292
 - sign 144987.467 $\pm$ 0.036 χ^2 /NDF: 196442273580
 All: 145510.108 $\pm$ 0.026 χ^2 /NDF: 395707605

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

+ sign 159.451+/-0.026 χ^2/NDF : 3783032.0/33

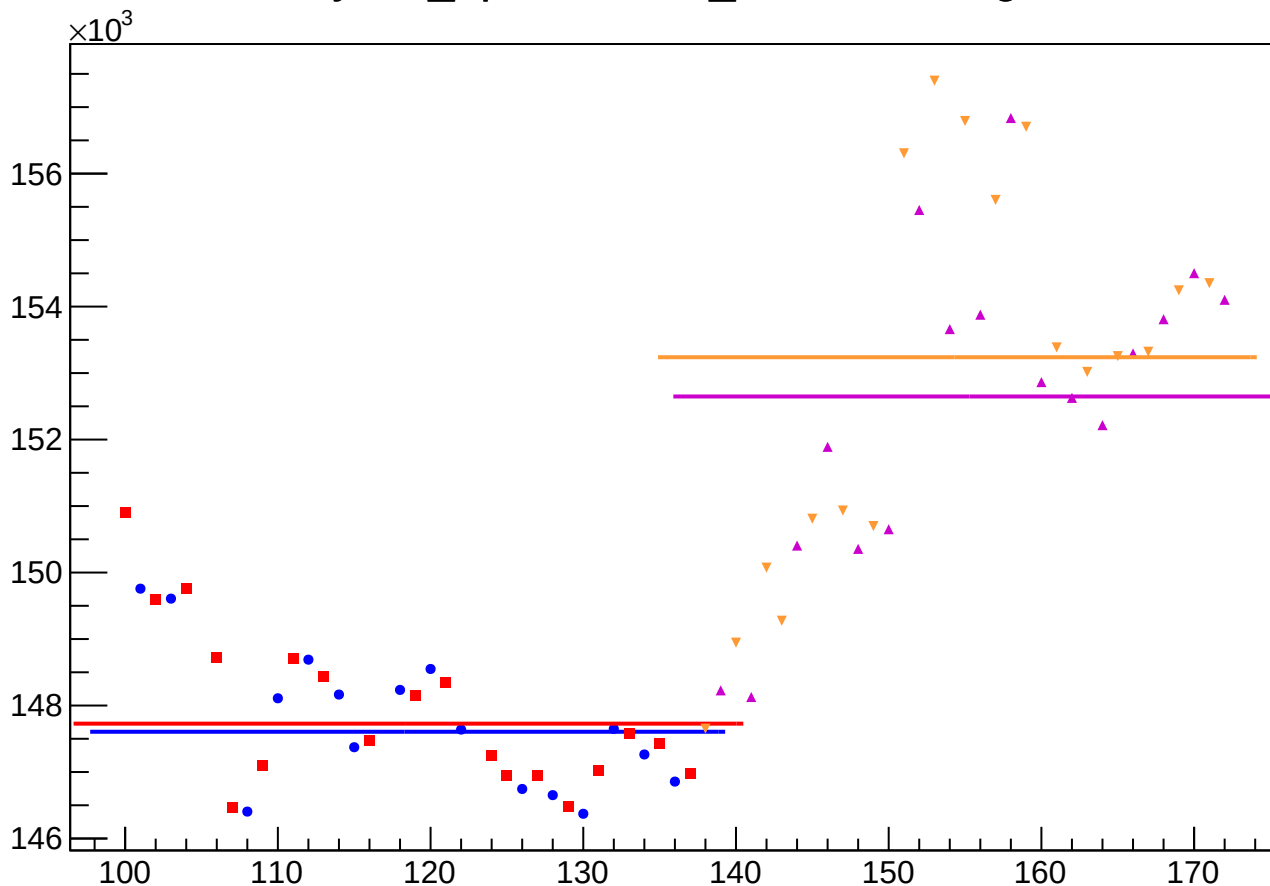
Right Out: 120.723+/-0.034 χ^2/NDF : 1632726.2/18

All: 157.376+/-0.018 χ^2/NDF : 8320929.6/69

- sign 155.368+/-0.025 χ^2/NDF : 4525184.5/35

Left In: 199.495+/-0.038 χ^2/NDF : 520938.8/16

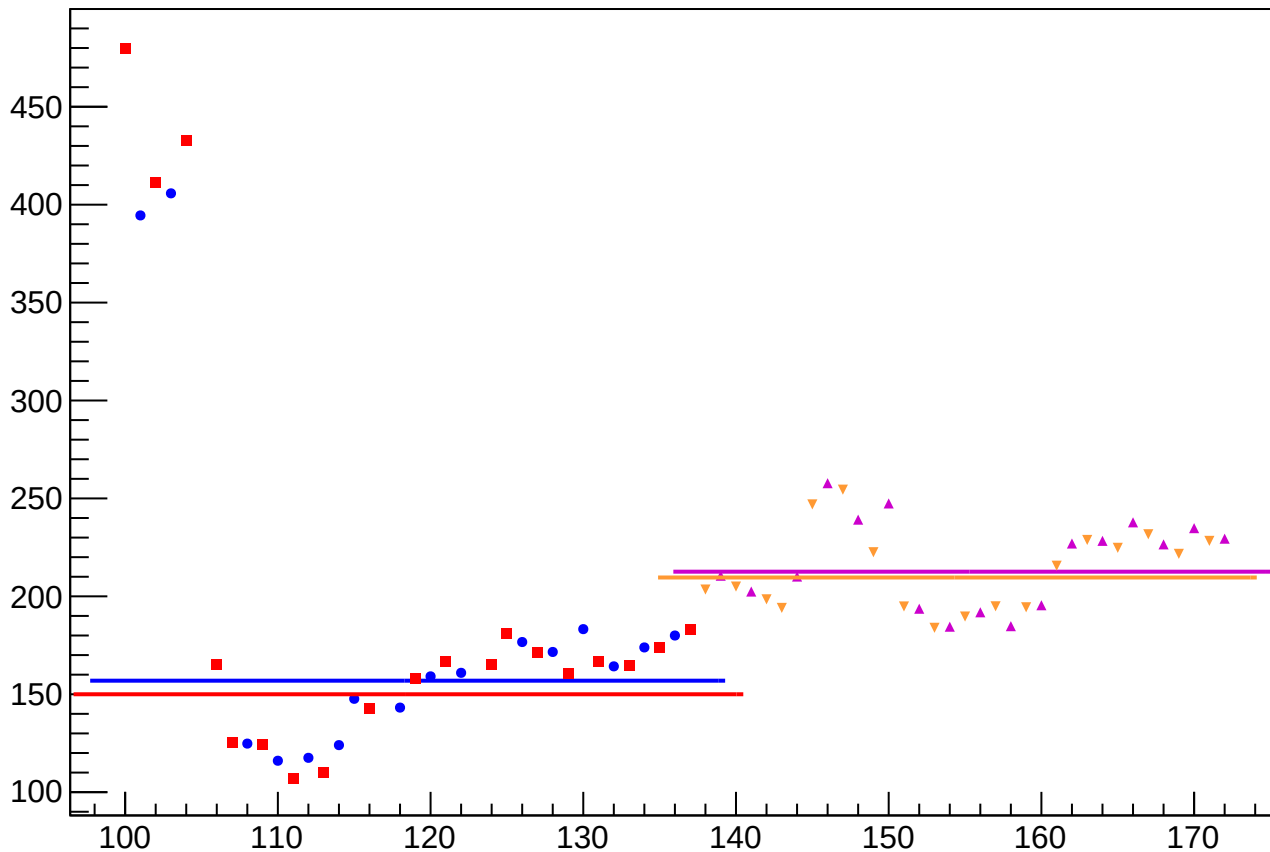
yield_bpm1i06WS_mean vs Slug



Right In: 147605.604 $\pm$ 0.062 χ^2 /NDF: 200513366.5/15
 Left Out: 153238.591 $\pm$ 0.056 χ^2 /NDF: 2948995220.4/17
 Right Out: 147727.598 $\pm$ 0.059 χ^2 /NDF: 194800119.4/18
 Left In: 152648.209 $\pm$ 0.057 χ^2 /NDF: 1843155127.8/16

+ sign 150717.430 $\pm$ 0.042 χ^2 /NDF: 7640621808.7/17
 All: 150480.184 $\pm$ 0.029 χ^2 /NDF: 133162441.0/17
 - sign 150250.329 $\pm$ 0.041 χ^2 /NDF: 5612184574.7/17

yield_bpm1i06WS_rms vs Slug



Right In: 156.927 $\pm$ 0.044 χ^2 /NDF: 1265768.6/15

Left Out: 209.623 $\pm$ 0.040 χ^2 /NDF:235614.5/17

Right Out: 149.994 $\pm$ 0.042 χ^2 /NDF: 1453928.8/18

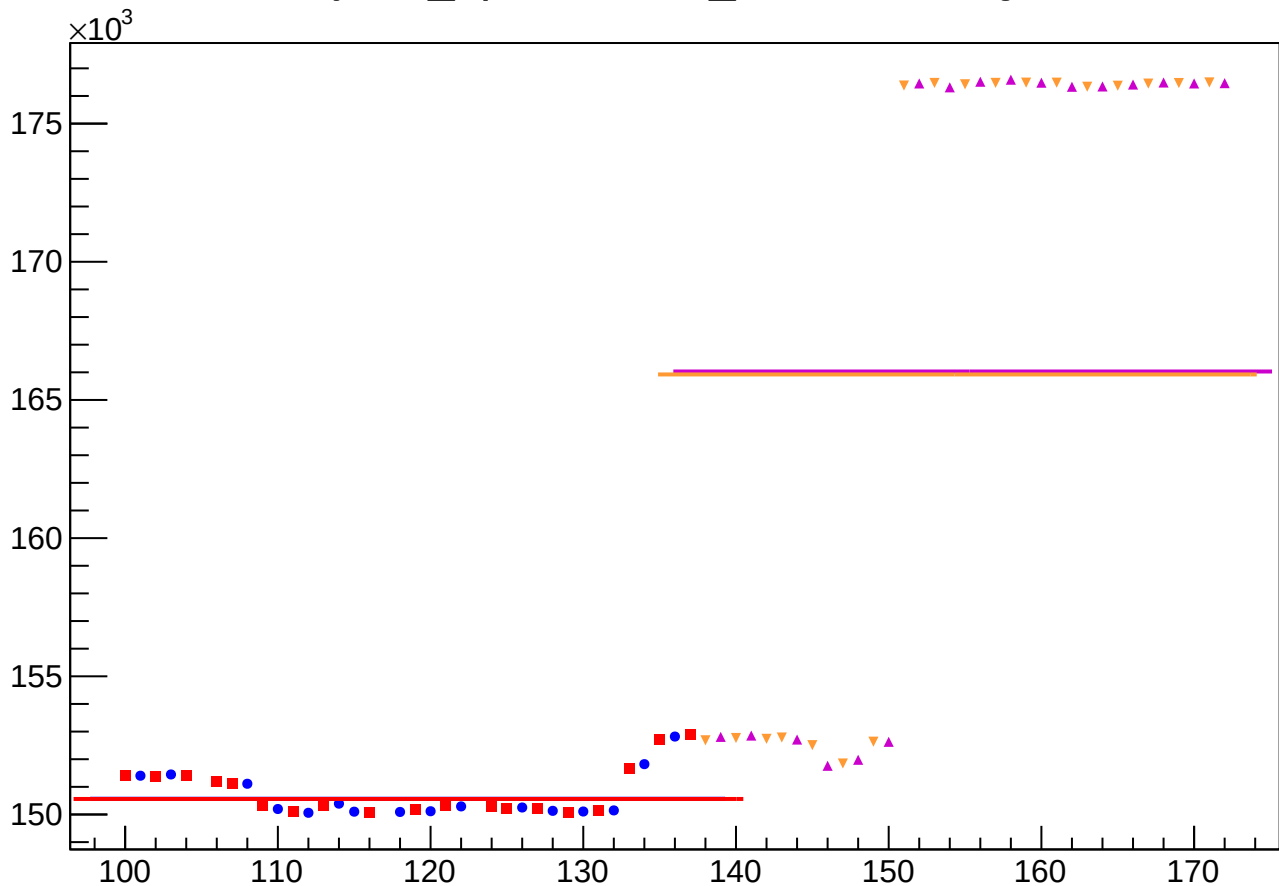
Left In: 212.590 $\pm$ 0.041 χ^2 /NDF:296017.4/16

+ sign 186.038 $\pm$ 0.030 χ^2 /NDF: 2287440.2/33

All: 184.031 $\pm$ 0.021 χ^2 /NDF: 5203289.6/69

- sign 182.086 $\pm$ 0.029 χ^2 /NDF: 2906769.5/35

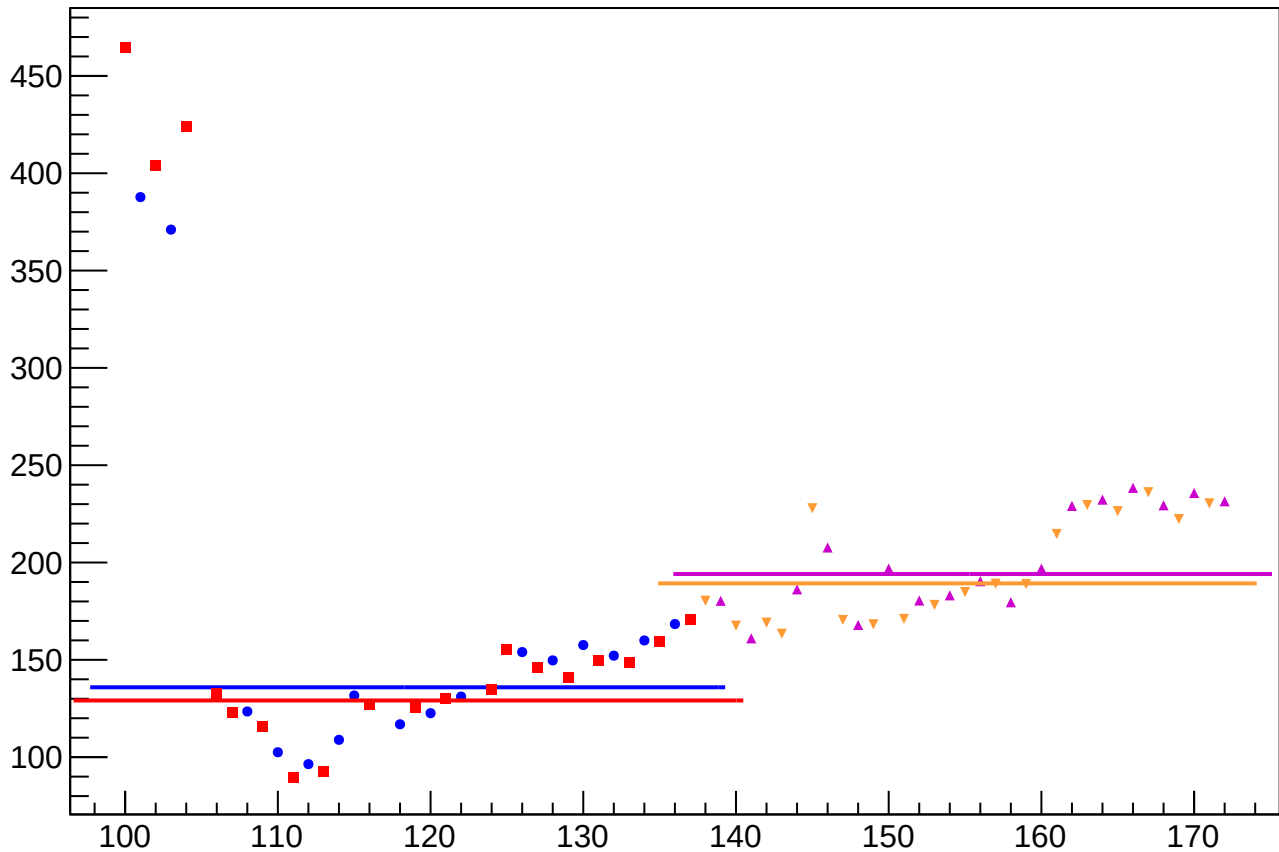
yield_bpm2i01WS_mean vs Slug



Right In: 150568.638 ± 0.055 $\chi^2/\text{NDF}: 237155171.8/15$
 Left Out: 165923.347 ± 0.051 $\chi^2/\text{NDF}: 54281523083.6/17$
 Right Out: 150561.647 ± 0.051 $\chi^2/\text{NDF}: 197500782.5/18$
 Left In: 166030.095 ± 0.053 $\chi^2/\text{NDF}: 51155818373.2/16$

+ sign 158785.837 ± 0.037 $\chi^2/\text{NDF}: 96825602359.$
 All: 158418.527 ± 0.026 $\chi^2/\text{NDF}: 193018587.$
 - sign 158063.868 ± 0.037 $\chi^2/\text{NDF}: 96001695304.3$

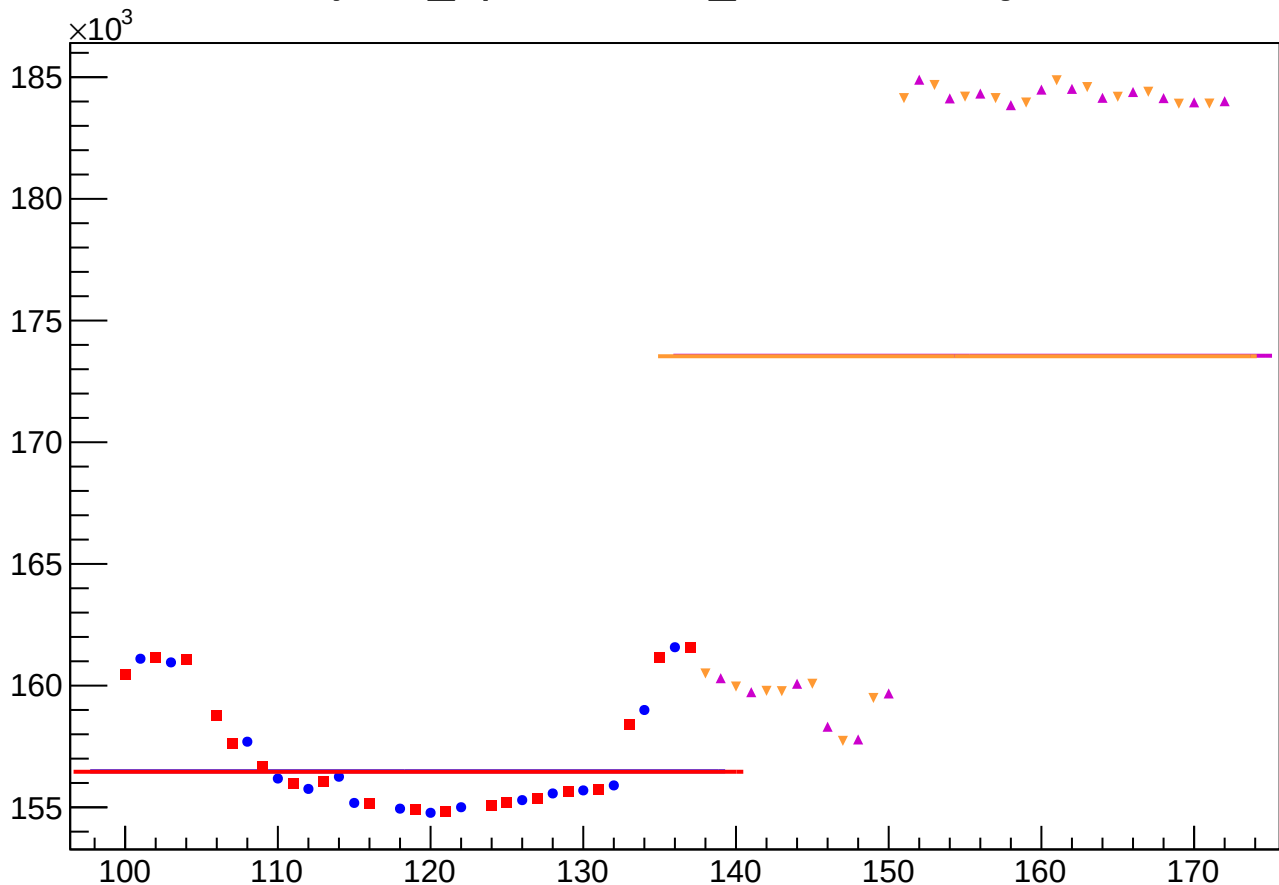
yield_bpm2i01WS_rms vs Slug



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: 194.088 ± 0.037 χ^2/NDF : 405601.5/16

+ sign 164.468 ± 0.026 χ^2/NDF : 2898476.0/33
 All: 162.518 ± 0.018 χ^2/NDF : 6503896.4/69
 - sign 160.635 ± 0.026 χ^2/NDF : 3594636.8/35

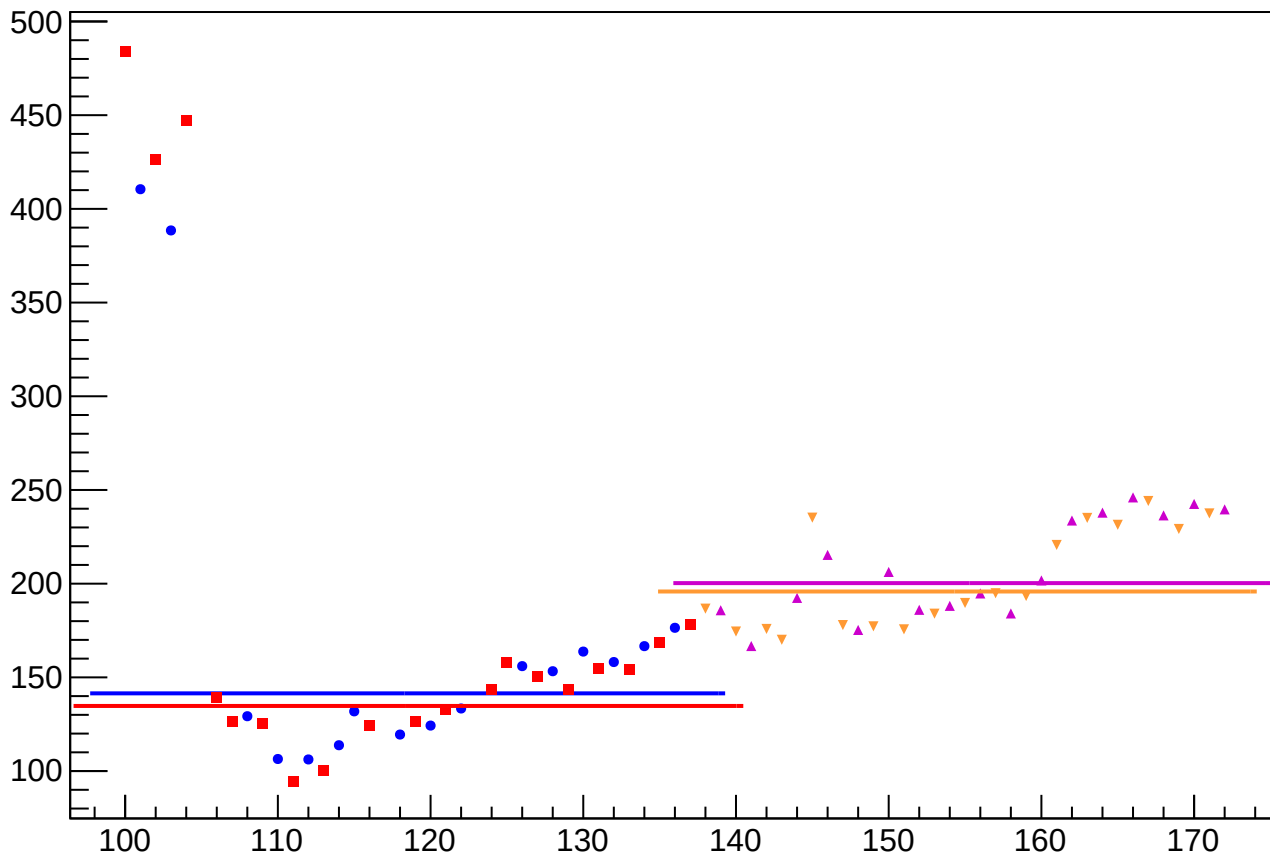
yield_bpm2i02WS_mean vs Slug



Right In: 156478.318 $\pm$ 0.057 χ^2 /NDF: 1289449253.3/15
 Left Out: 173533.388 $\pm$ 0.053 χ^2 /NDF: 54331486881.0/17
 Right Out: 156460.550 $\pm$ 0.053 χ^2 /NDF: 1100531658.8/18
 Left In: 173554.256 $\pm$ 0.054 χ^2 /NDF: 52015357556.9/16

+ sign 165656.805 $\pm$ 0.039 χ^2 /NDF: 104117740686
 - sign 164835.411 $\pm$ 0.038 χ^2 /NDF: 103837656149
 All: 165238.944 $\pm$ 0.027 χ^2 /NDF: 208185640

yield_bpm2i02WS_rms vs Slug



Right In: 141.470 $\pm$ 0.040 χ^2 /NDF: 1391933.2/15

Left Out: 195.825 $\pm$ 0.037 χ^2 /NDF: 430159.6/17

Right Out: 134.746 $\pm$ 0.038 χ^2 /NDF: 1579031.5/18

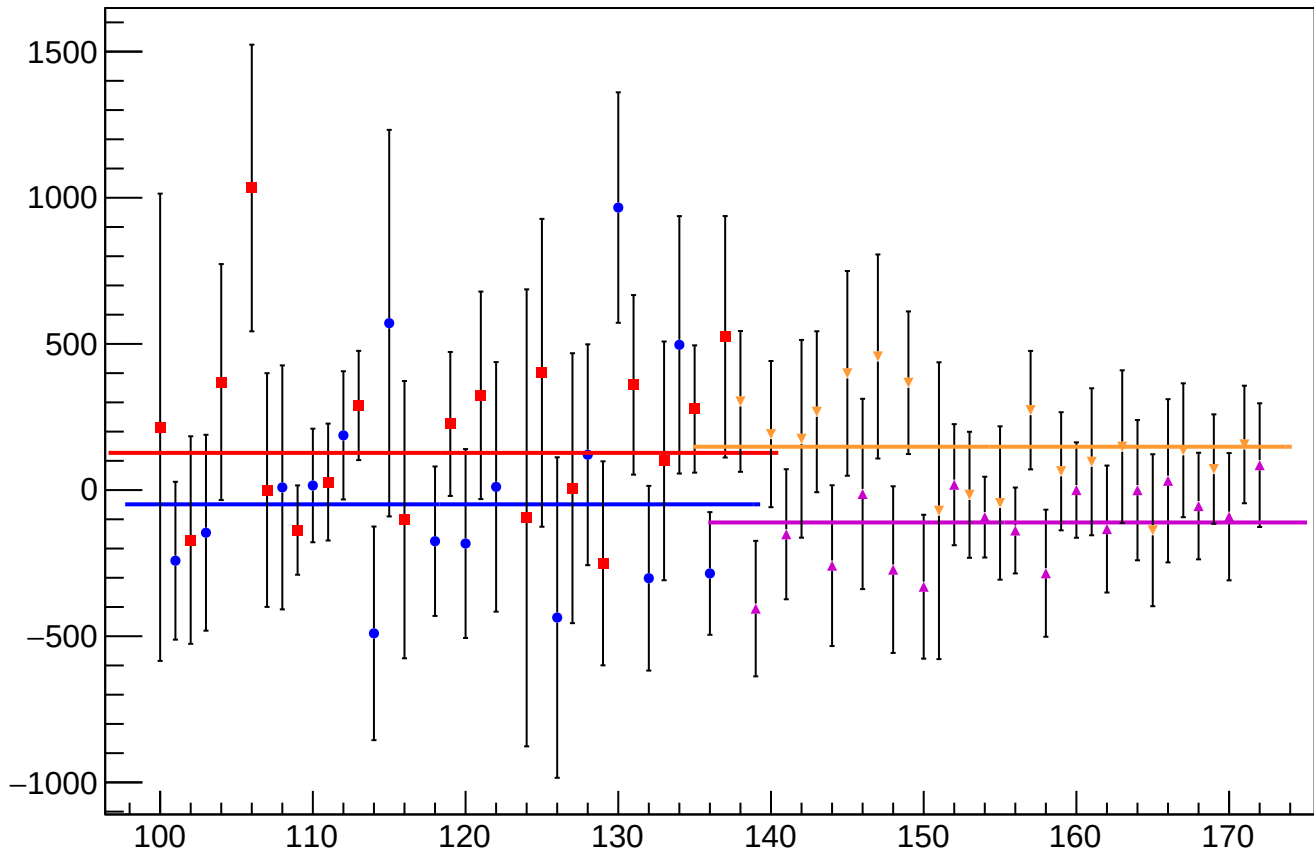
Left In: 200.296 $\pm$ 0.038 χ^2 /NDF: 394848.2/16

+ sign 170.722 $\pm$ 0.027 χ^2 /NDF: 2807264.3/33

All: 168.758 $\pm$ 0.019 χ^2 /NDF: 6283097.9/69

- sign 166.861 $\pm$ 0.027 χ^2 /NDF: 3465660.9/35

asym_bcm_target_mean vs Slug



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

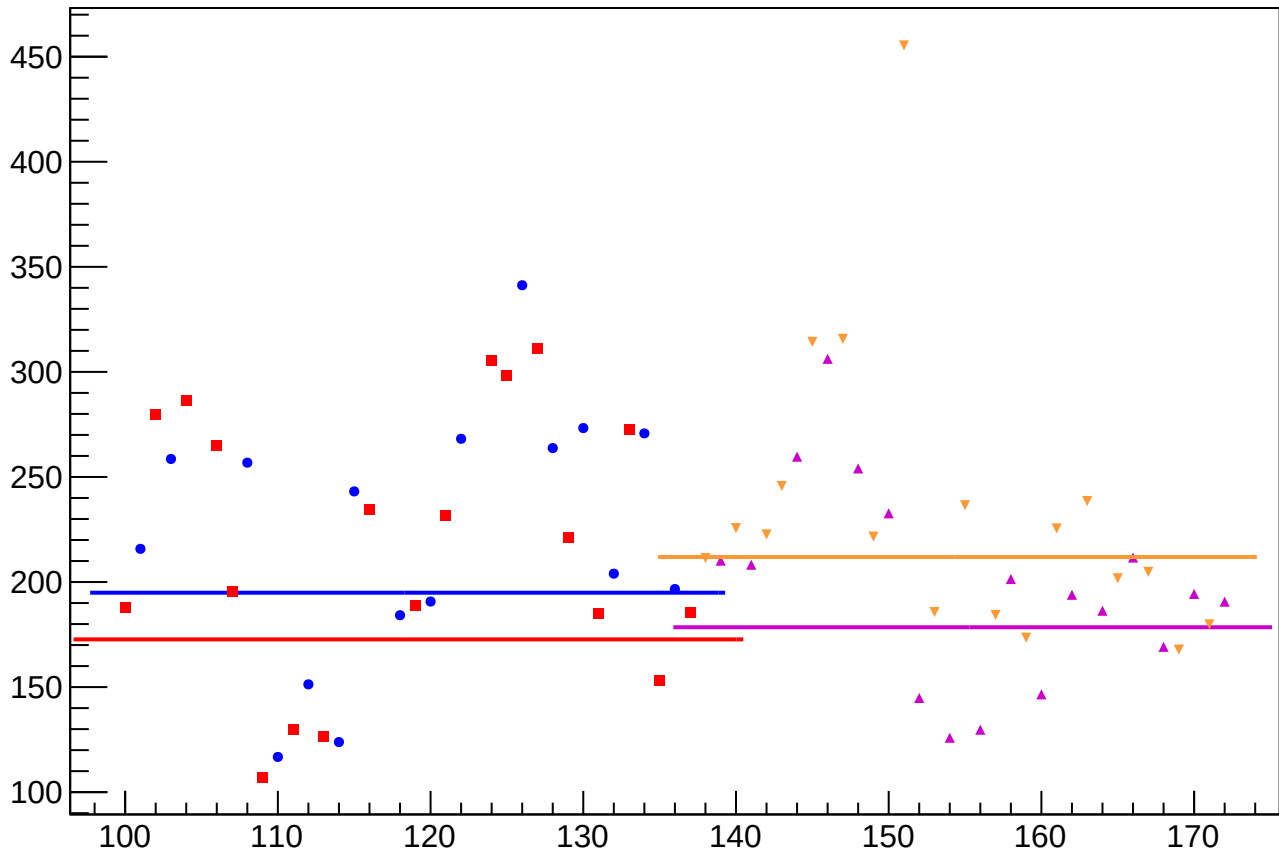
Left In: -110.811 ± 50.250 χ^2/NDF : 6.1/16

+ sign 76.054 ± 46.363 χ^2/NDF : 25.6/33

All: 17.324 ± 30.509 χ^2/NDF : 55.3/69

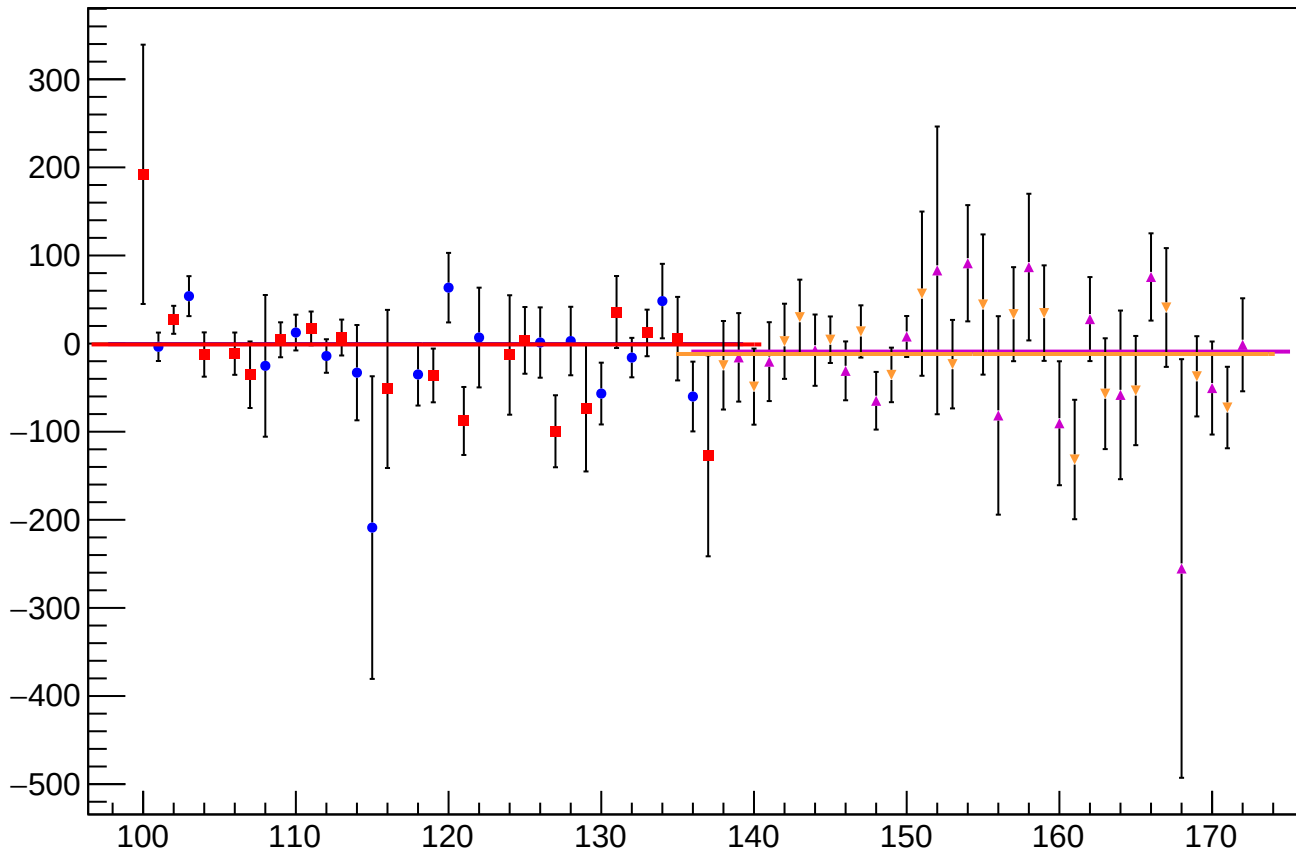
- sign -27.532 ± 40.519 χ^2/NDF : 26.8/35

asym_bcm_target_rms vs Slug



Right In: 194.923 $\pm$ 0.054 χ^2 /NDF: 1028901.2/15
 Left Out: 211.907 $\pm$ 0.041 χ^2 /NDF: 1198853.2/17
 Right Out: 172.704 $\pm$ 0.048 χ^2 /NDF: 1631350.4/18
 Left In: 178.480 $\pm$ 0.036 χ^2 /NDF: 1518125.3/16
 + sign 205.684 $\pm$ 0.033 χ^2 /NDF: 2290067.6/33
 All: 189.114 $\pm$ 0.022 χ^2 /NDF: 5899328.3/69
 - sign 176.459 $\pm$ 0.029 χ^2 /NDF: 3158719.1/35

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

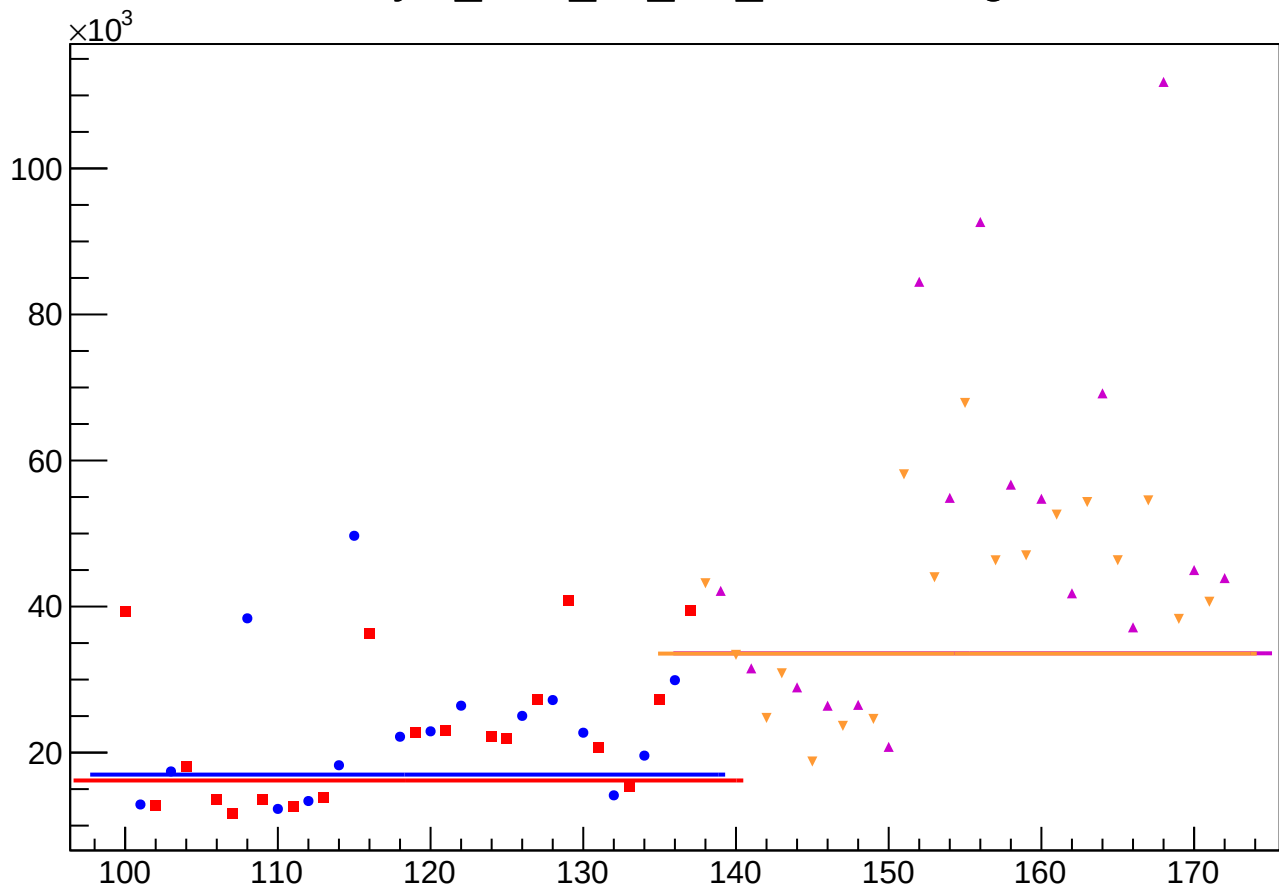
Left In: -9.084 ± 11.494 χ^2/NDF : 15.2/16

+ sign -4.248 ± 6.034 χ^2/NDF : 32.5/33

All: -3.620 ± 4.193 χ^2/NDF : 71.1/69

- sign -3.034 ± 5.831 χ^2/NDF : 38.6/35

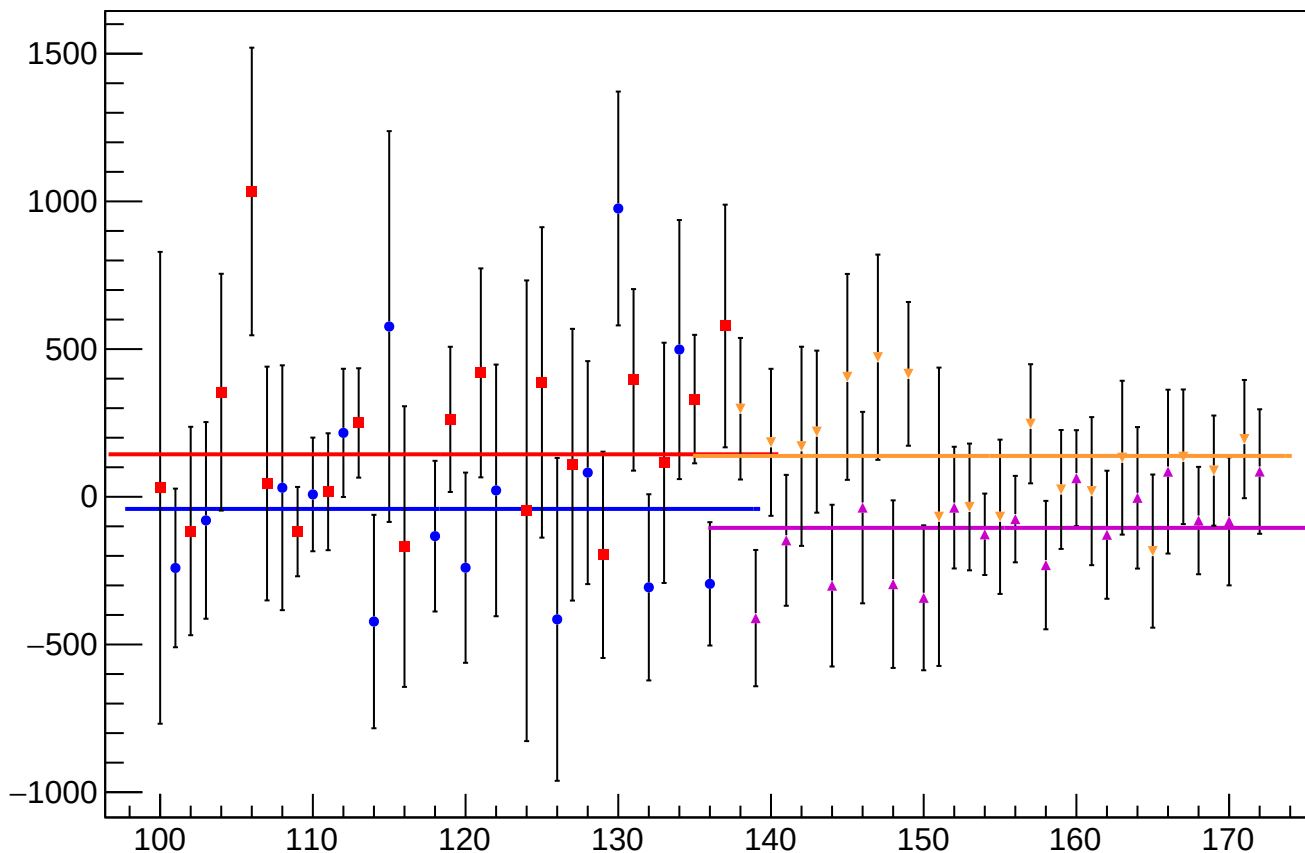
asym_bcm_an_diff_rms vs Slug



Right In: 16986.402 $\pm$ 5.190 χ^2/NDF : 1194096.1/15
 Left Out: 33558.112 $\pm$ 7.492 χ^2/NDF : 2741692.9/17
 Right Out: 16181.928 $\pm$ 4.785 χ^2/NDF : 1251495.8/18
 Left In: 33596.222 $\pm$ 8.127 χ^2/NDF : 2901107.1/16

+ sign 22360.813 $\pm$ 4.266 χ^2/NDF : 7241789.0/33
 All: 21483.778 $\pm$ 2.965 χ^2/NDF : 14885498.9
 - sign 20664.579 $\pm$ 4.123 χ^2/NDF : 7561983.7/35

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

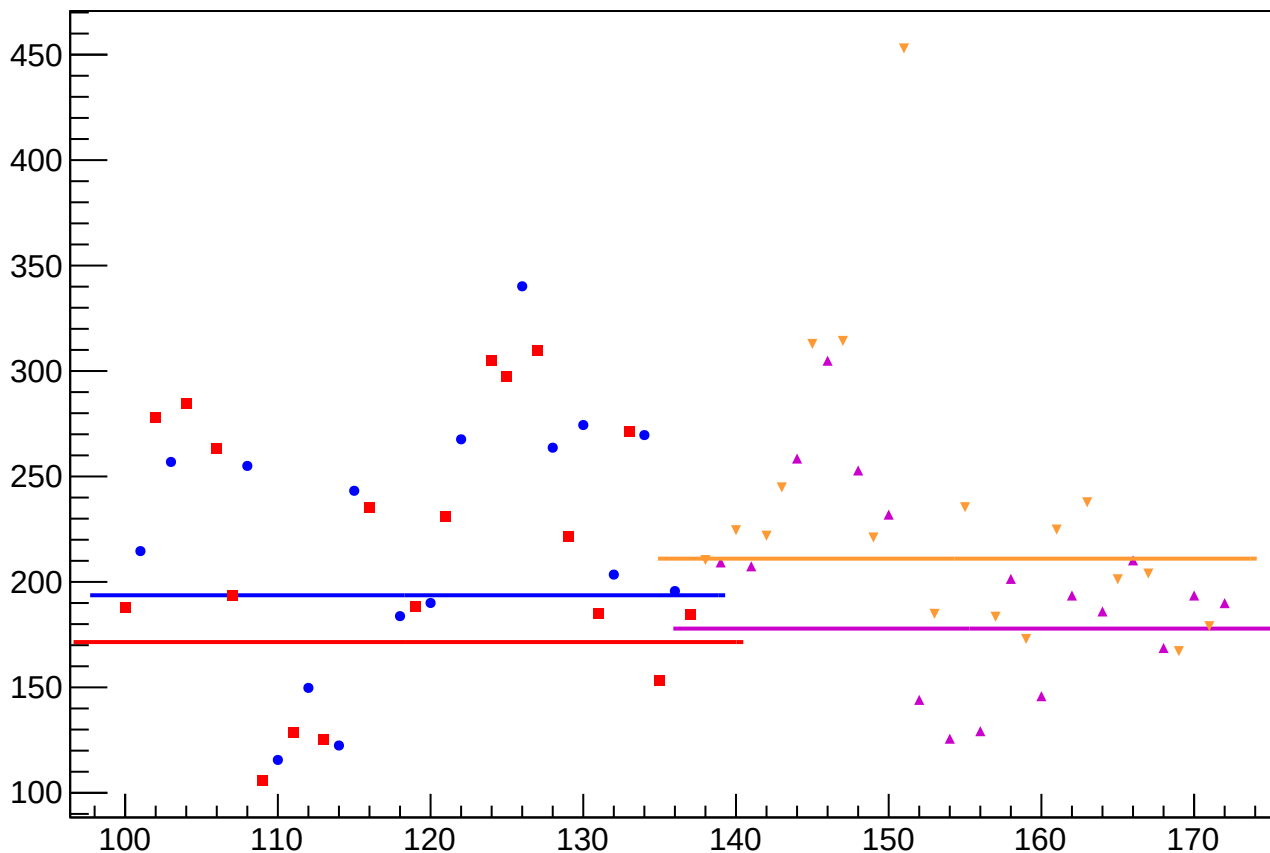
Left In: -105.221+/-50.074 χ^2/NDF : 6.8/16

+ sign 72.524+/-46.145 χ^2/NDF : 26.3/33

All: 21.328+/-30.370 χ^2/NDF : 57.0/69

- sign -17.792+/-40.338 χ^2/NDF : 28.5/35

asym_bcm_an_ds_rms vs Slug



Right In: 193.670 $\pm$ 0.054 χ^2 /NDF: 1049772.0/15

Left Out: 211.042 $\pm$ 0.041 χ^2 /NDF:1197917.7/17

Right Out: 171.484 $\pm$ 0.048 χ^2 /NDF: 1652989.7/18

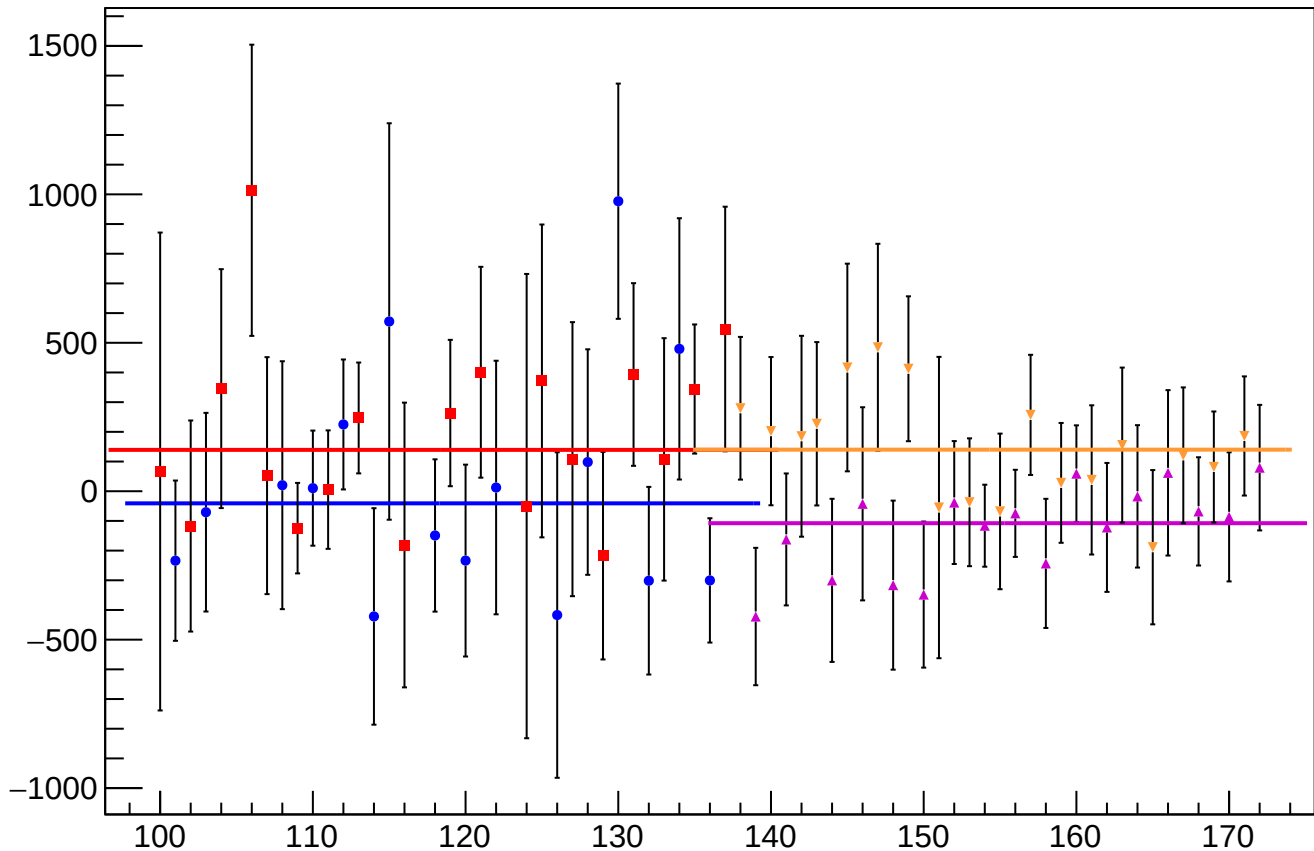
Left In: 177.871 $\pm$ 0.035 χ^2 /NDF:1514928.2/16

+ sign 204.664 $\pm$ 0.033 χ^2 /NDF: 2313547.1/33

All: 188.205 $\pm$ 0.021 χ^2 /NDF: 5941728.8/69

- sign 175.629 $\pm$ 0.029 χ^2 /NDF: 3179342.6/35

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

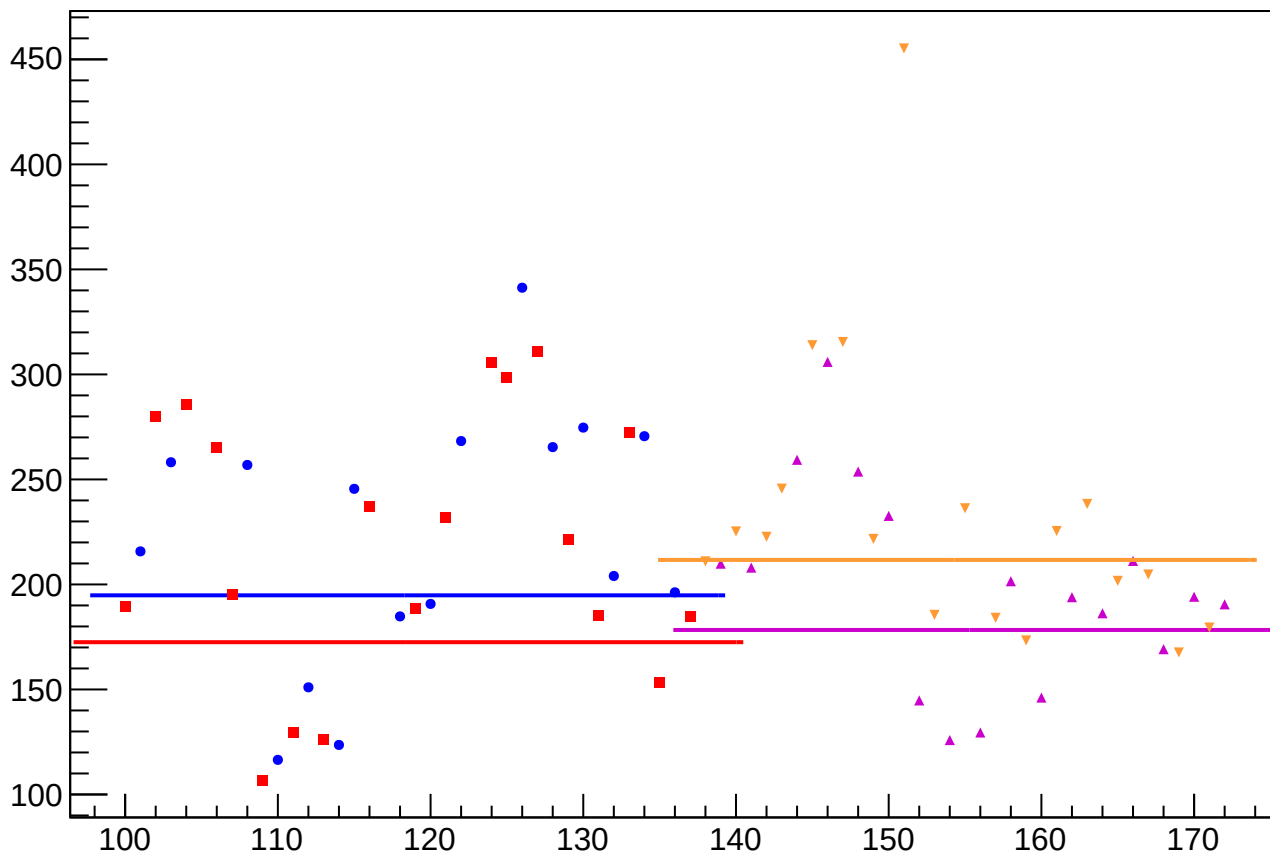
Left In: -107.694 ± 50.207 χ^2/NDF : 6.9/16

+ sign 73.828 ± 46.330 χ^2/NDF : 26.3/33

All: 19.882 ± 30.486 χ^2/NDF : 56.9/69

- sign -21.313 ± 40.486 χ^2/NDF : 28.2/35

asym_bcm_an_ds3_rms vs Slug



Right In: 194.819 ± 0.054 $\chi^2/\text{NDF}: 1039096.7/15$

Left Out: 211.677 ± 0.041 $\chi^2/\text{NDF}: 1200914.6/17$

Right Out: 172.507 ± 0.048 $\chi^2/\text{NDF}: 1642059.1/18$

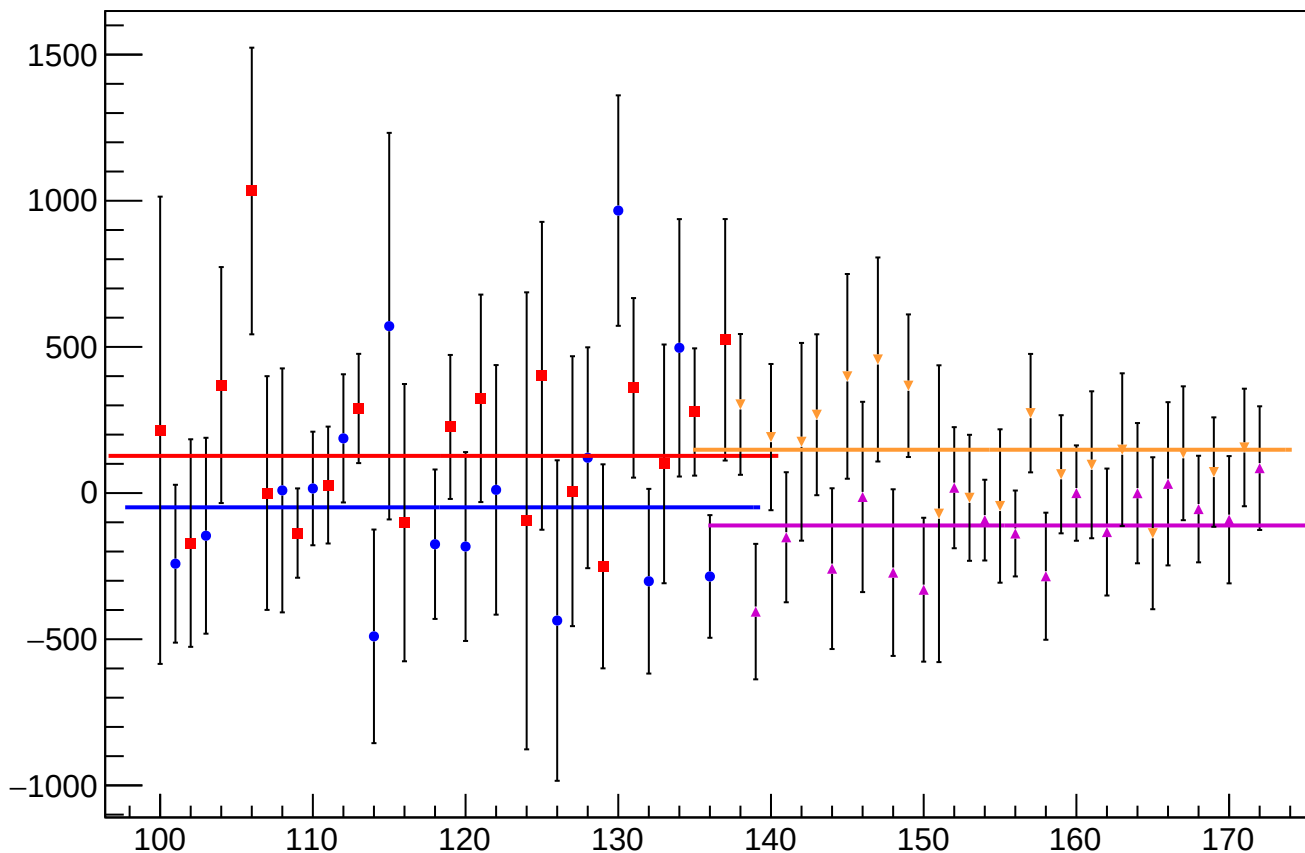
Left In: 178.323 ± 0.036 $\chi^2/\text{NDF}: 1518340.2/16$

+ sign 205.507 ± 0.033 $\chi^2/\text{NDF}: 2301454.5/33$

All: 188.940 ± 0.022 $\chi^2/\text{NDF}: 5922260.7/69$

- sign 176.289 ± 0.029 $\chi^2/\text{NDF}: 3169787.4/35$

asym_bcm_an_us_mean vs Slug



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

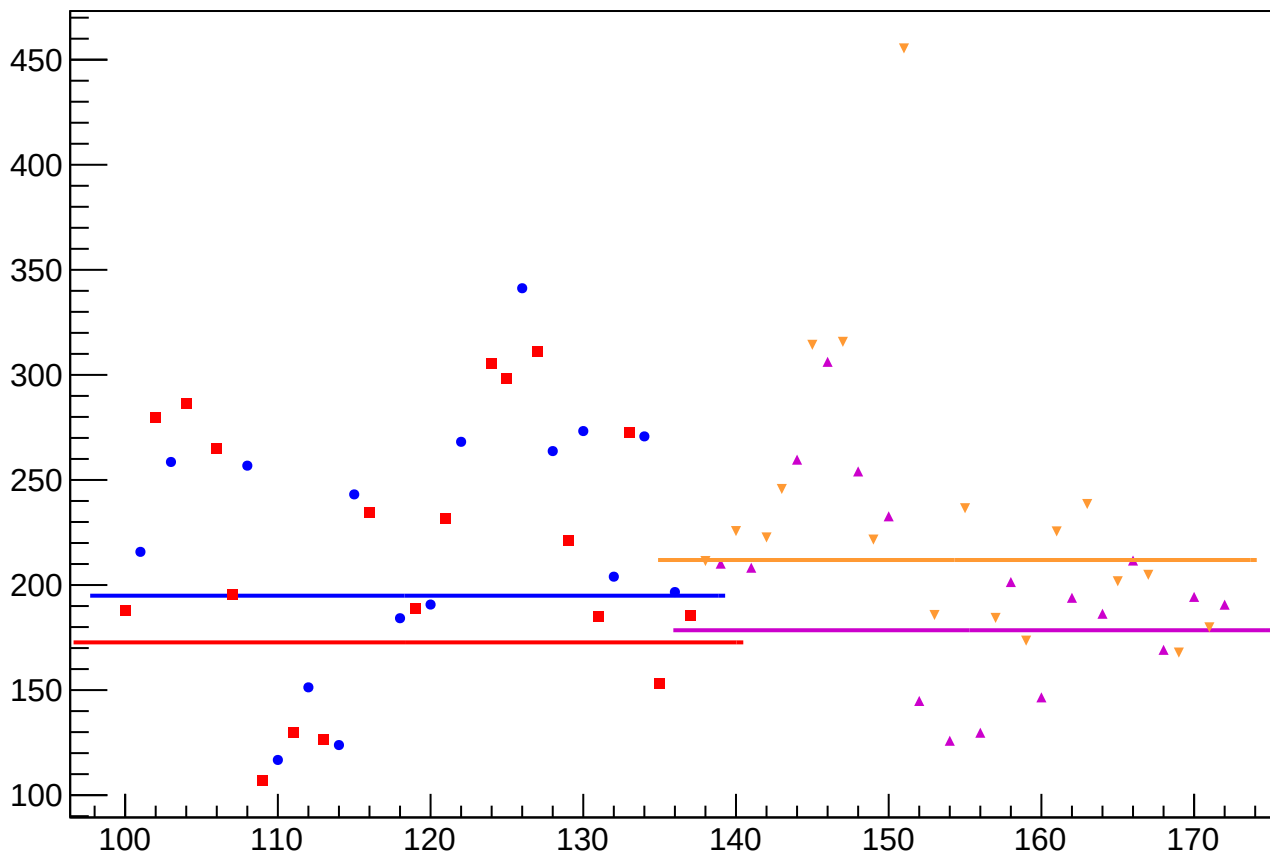
Left In: -110.811 ± 50.250 χ^2/NDF : 6.1/16

+ sign 76.054 ± 46.363 χ^2/NDF : 25.6/33

All: 17.324 ± 30.509 χ^2/NDF : 55.3/69

- sign -27.532 ± 40.519 χ^2/NDF : 26.8/35

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

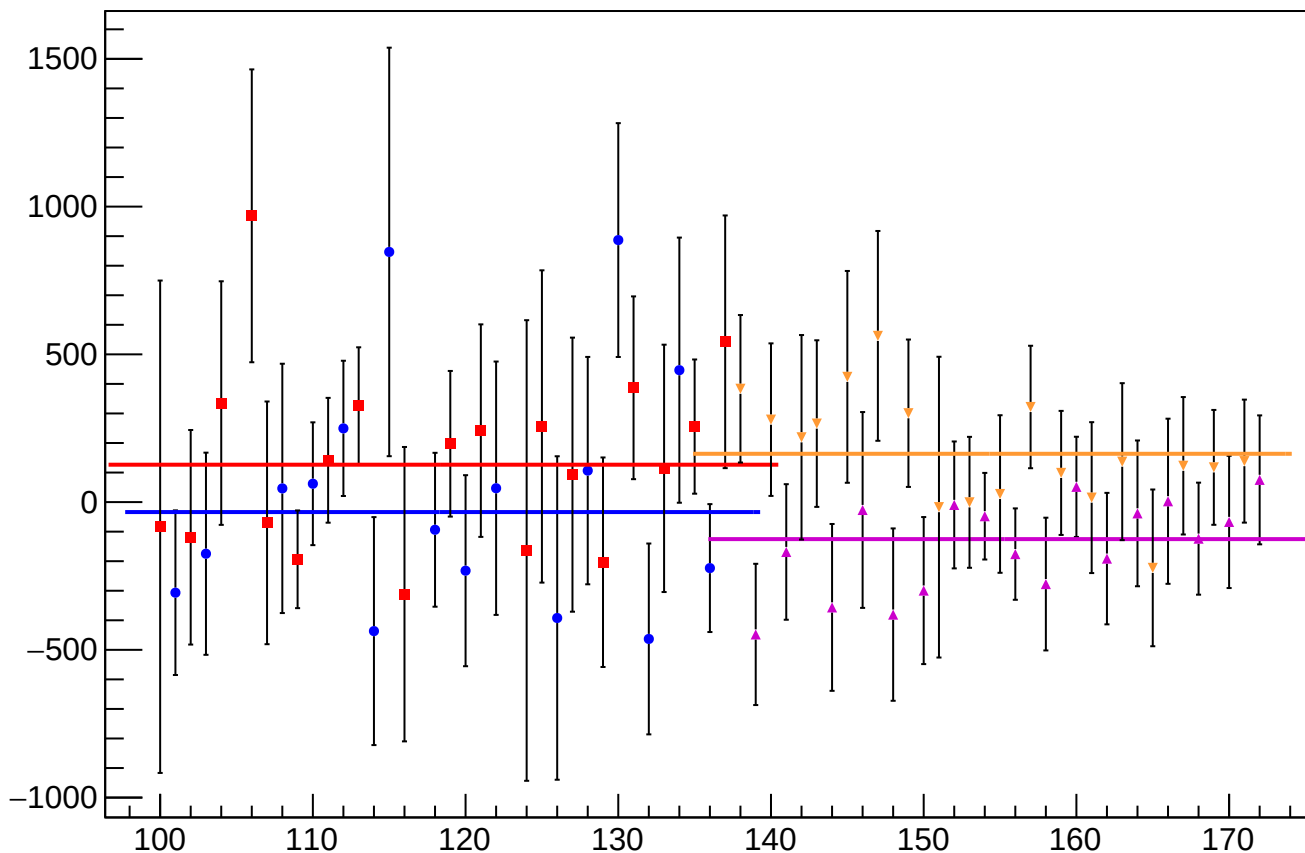
Left In: 178.480+/-0.036 χ^2/NDF :1518125.3/16

+ sign 205.684+/-0.033 χ^2/NDF : 2290067.6/33

All: 189.114+/-0.022 χ^2/NDF : 5899328.3/69

- sign 176.459+/-0.029 χ^2/NDF : 3158719.1/35

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

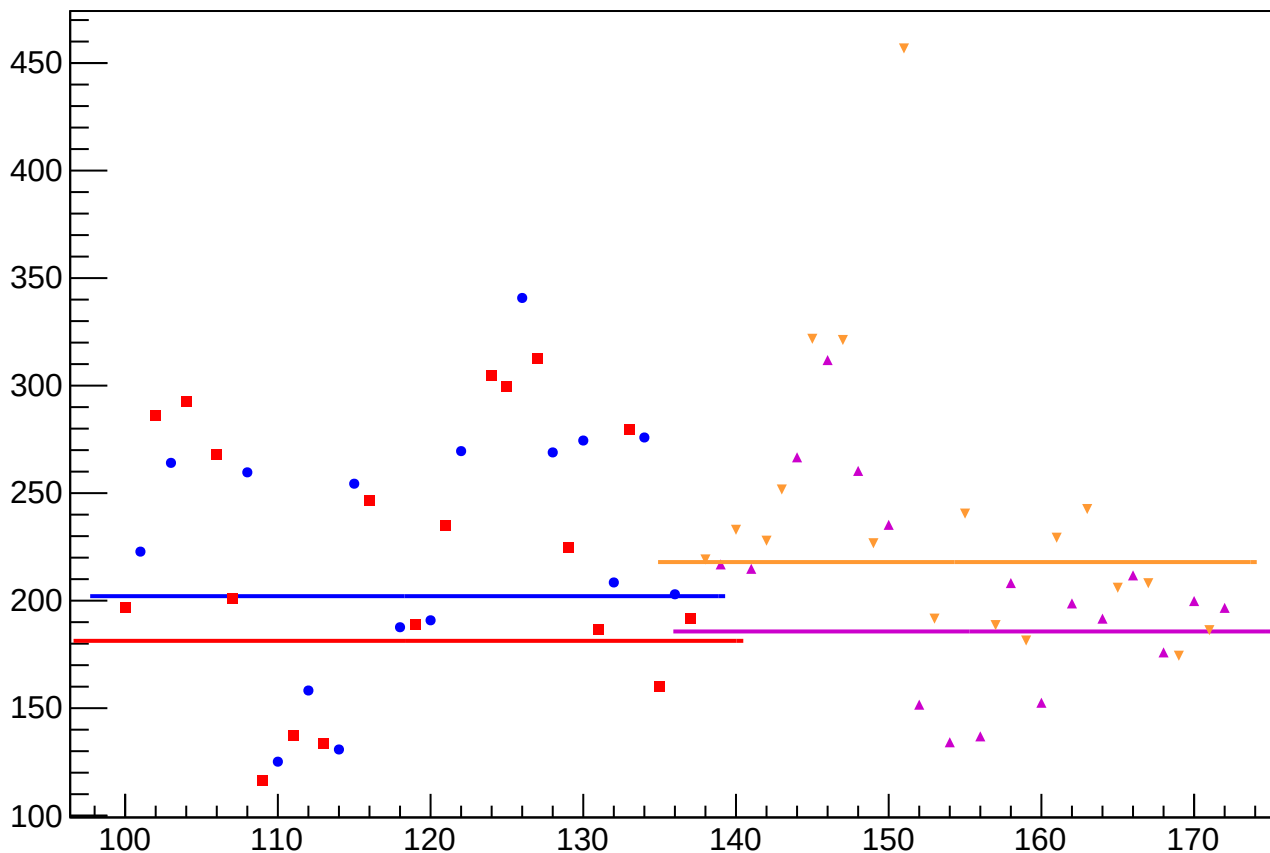
Left In: -125.269 ± 52.059 χ^2/NDF : 7.4/16

+ sign 91.671 ± 47.669 χ^2/NDF : 27.1/33

All: 18.902 ± 31.533 χ^2/NDF : 59.5/69

- sign -37.714 ± 42.047 χ^2/NDF : 28.3/35

asym_bcm_dg_us_rms vs Slug



Right In: 202.090 $\pm$ 0.056 χ^2 /NDF: 910259.2/15

Left Out: 217.947 $\pm$ 0.042 χ^2 /NDF:1135559.6/17

Right Out: 181.312 $\pm$ 0.050 χ^2 /NDF: 1440989.4/18

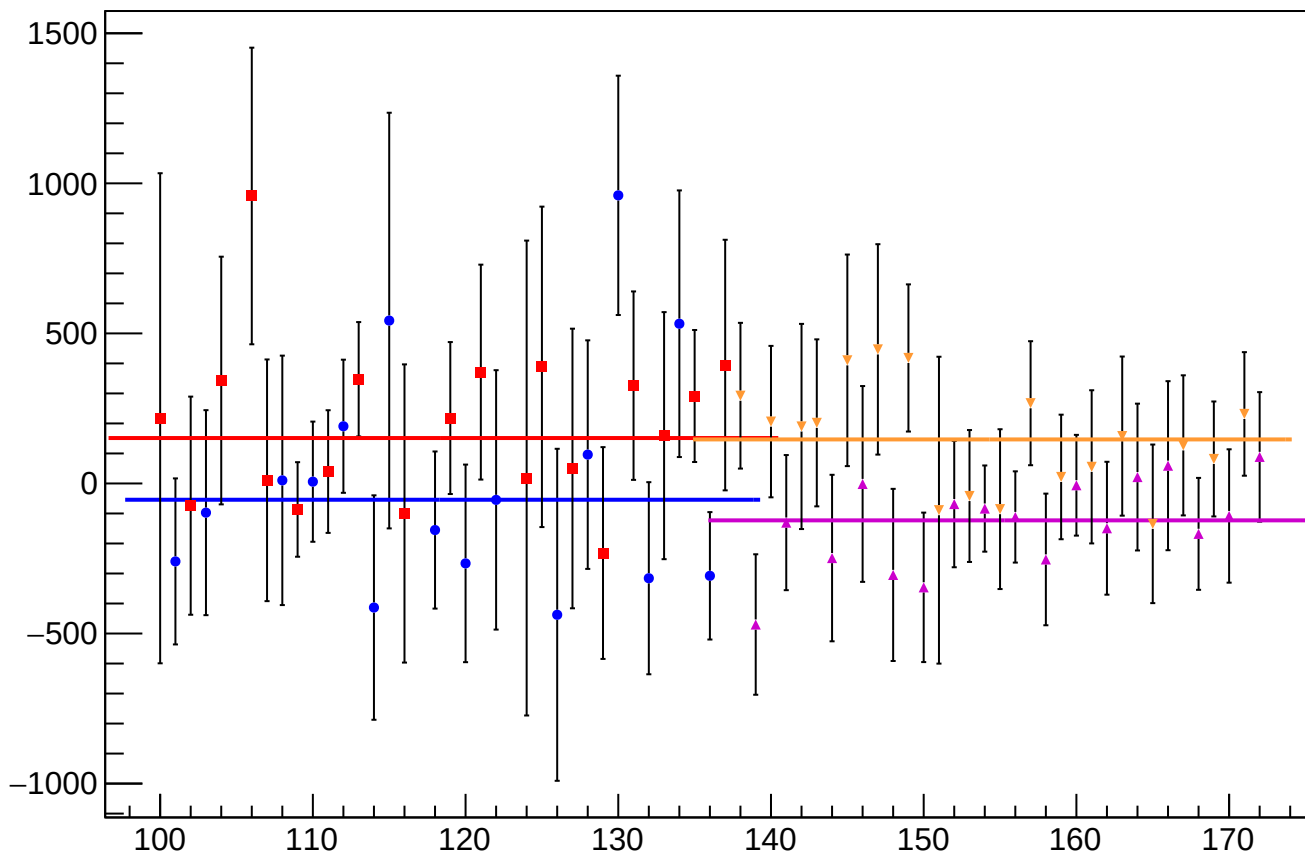
Left In: 185.674 $\pm$ 0.037 χ^2 /NDF:1368261.2/16

+ sign 212.173 $\pm$ 0.034 χ^2 /NDF: 2097059.4/33

All: 196.417 $\pm$ 0.022 χ^2 /NDF: 5299710.1/69

- sign 184.158 $\pm$ 0.030 χ^2 /NDF: 2814132.7/35

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

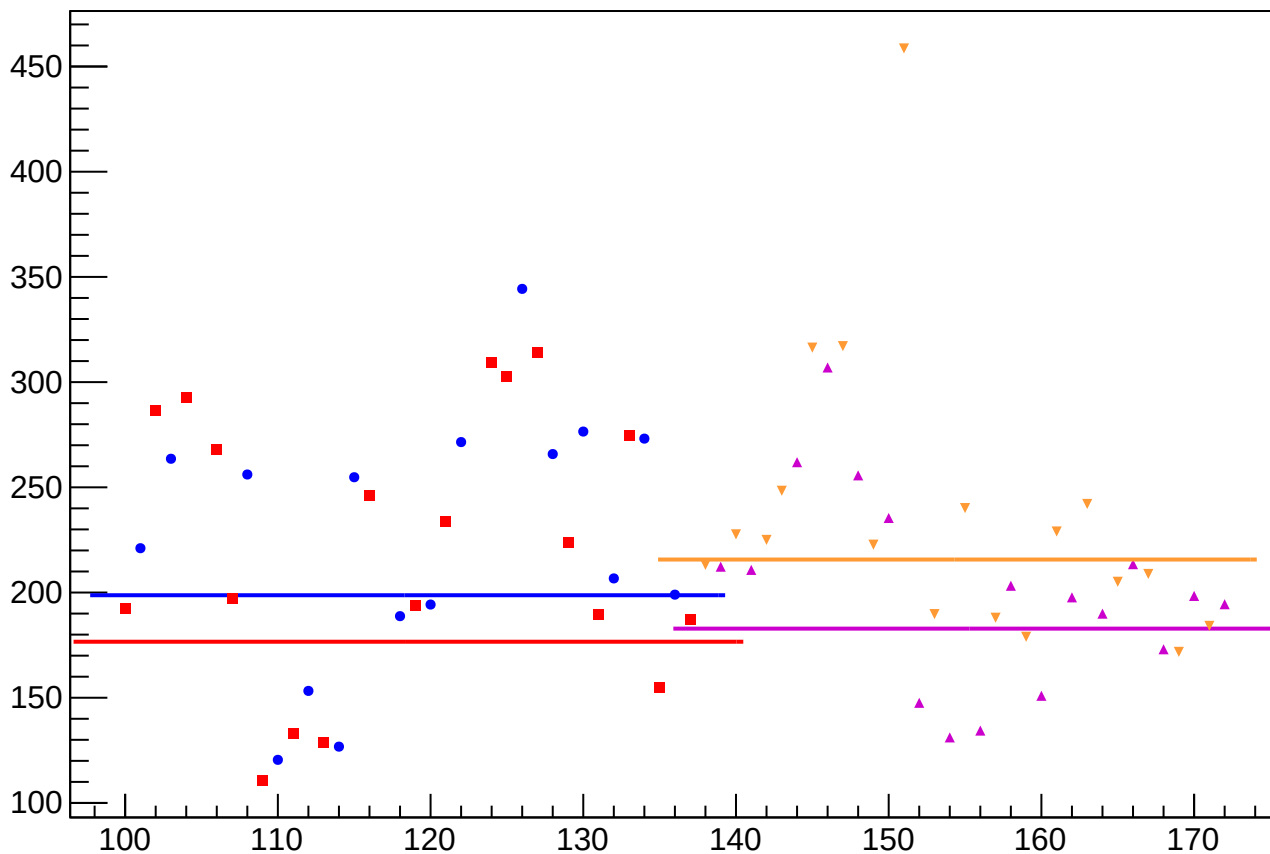
Left In: -122.949+/-51.334 χ^2/NDF : 6.5/16

+ sign 73.213+/-47.142 χ^2/NDF : 26.2/33

All: 16.694+/-31.097 χ^2/NDF : 55.6/69

- sign -26.844+/-41.375 χ^2/NDF : 26.8/35

asym_bcm_dg_ds_rms vs Slug



Right In: 198.718 $\pm$ 0.055 χ^2 /NDF: 994068.9/15

Left Out: 215.685 $\pm$ 0.042 χ^2 /NDF: 1142922.9/17

Right Out: 176.621 $\pm$ 0.049 χ^2 /NDF: 1595710.1/18

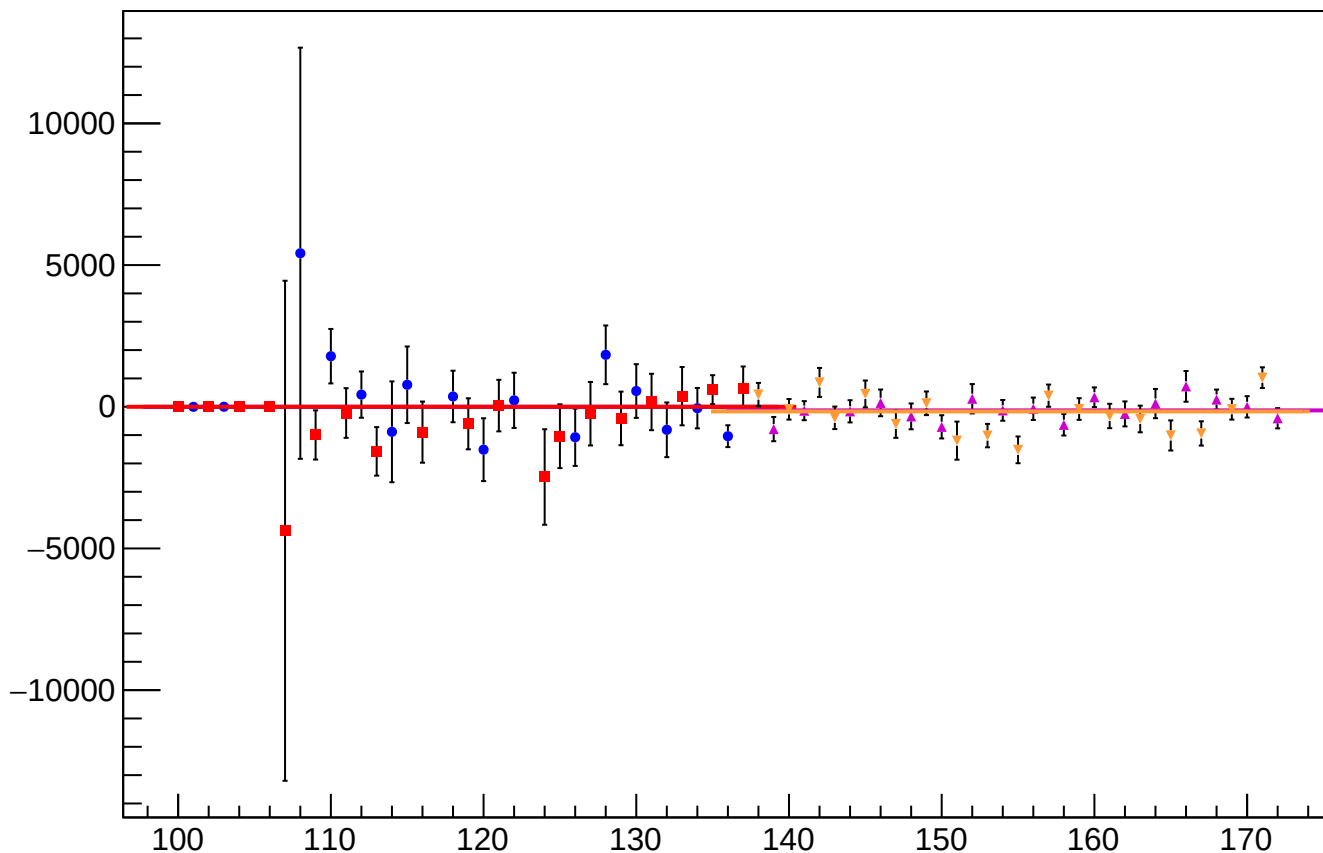
Left In: 182.848 $\pm$ 0.036 χ^2 /NDF: 1396171.5/16

+ sign 209.479 $\pm$ 0.033 χ^2 /NDF: 2197094.0/33

All: 193.204 $\pm$ 0.022 χ^2 /NDF: 5621299.3/69

- sign 180.667 $\pm$ 0.029 χ^2 /NDF: 3002191.6/35

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

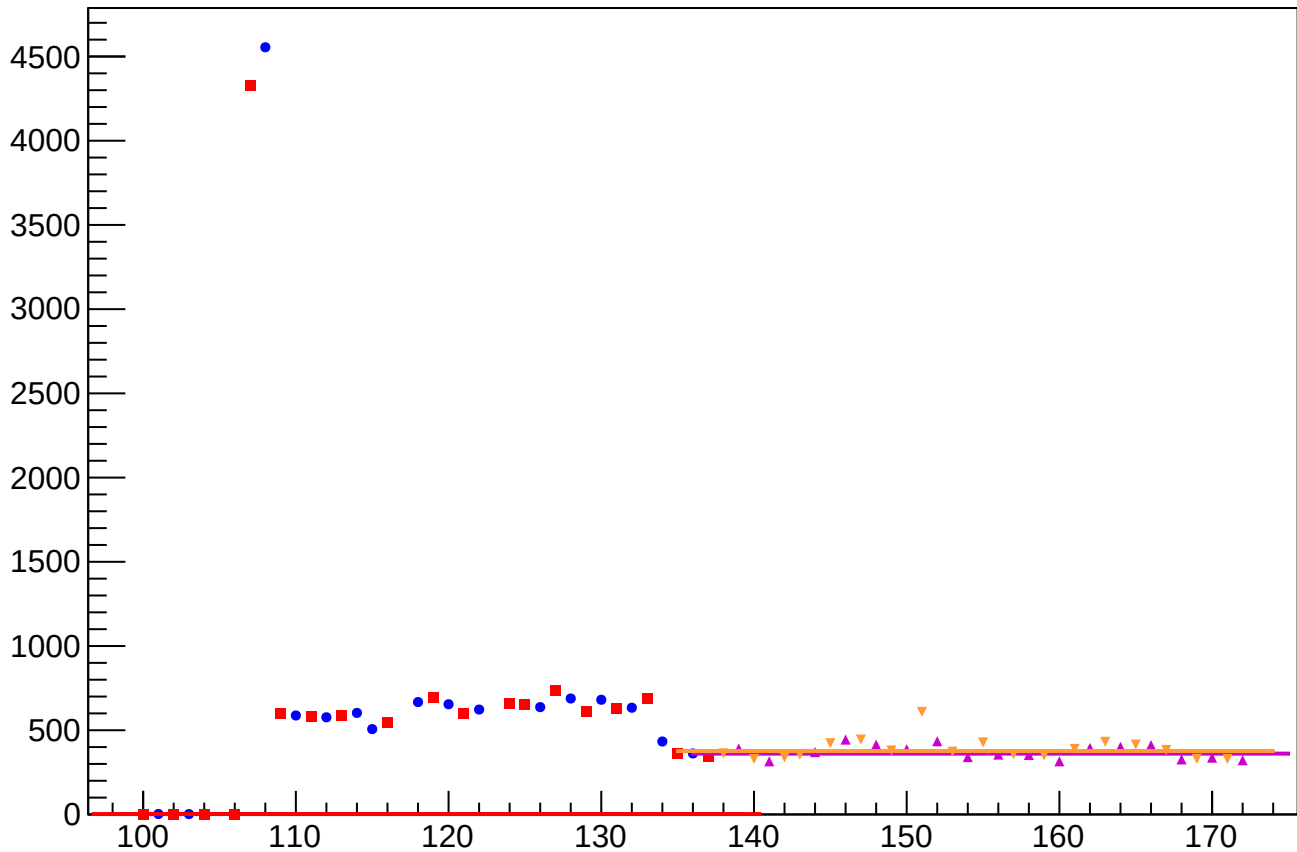
Left In: -128.293 ± 97.938 χ^2/NDF : 13.8/16

+ sign -1.314 ± 2.170 χ^2/NDF : 65.8/33

All: -1.377 ± 1.479 χ^2/NDF : 98.2/69

- sign -1.431 ± 2.022 χ^2/NDF : 32.3/35

asym_cav4bQ_rms vs Slug



Right In: 2.477 $\pm$ 0.002 χ^2 /NDF: 11626192.3/15

Left Out: 376.426 $\pm$ 0.072 χ^2 /NDF: 492538.6/17

Right Out: 2.462 $\pm$ 0.001 χ^2 /NDF: 11545445.6/18

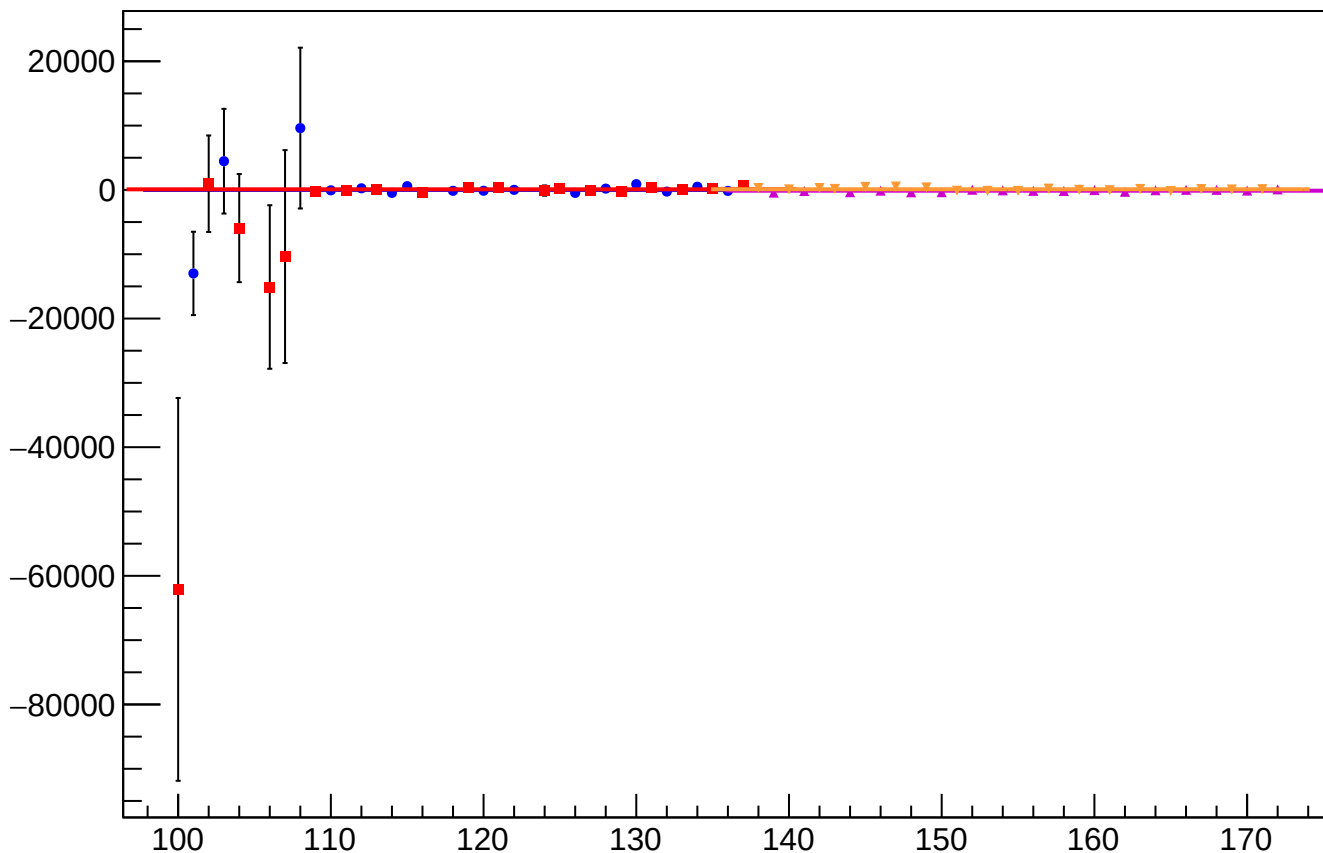
Left In: 361.216 $\pm$ 0.069 χ^2 /NDF: 321484.1/16

+ sign 2.649 $\pm$ 0.002 χ^2 /NDF: 39439381.5/33

All: 2.631 $\pm$ 0.001 χ^2 /NDF: 78131208.2/69

- sign 2.615 $\pm$ 0.001 χ^2 /NDF: 38691567.5/35

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

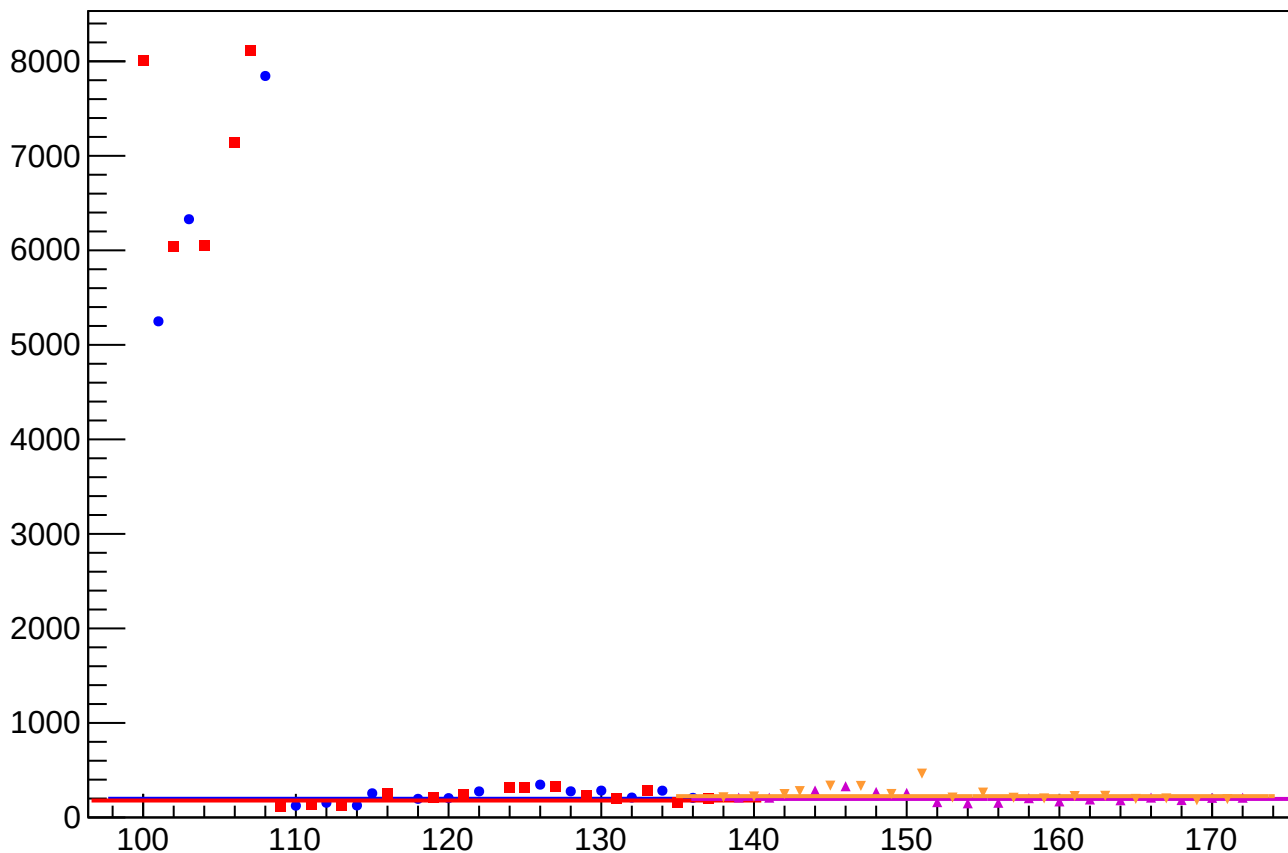
Left In: -122.957+/-54.618 χ^2 /NDF: 6.8/16

+ sign 66.260+/-50.515 χ^2 /NDF: 26.0/33

All: -2.305+/-33.762 χ^2 /NDF: 55.6/69

- sign -57.664+/-45.390 χ^2 /NDF: 26.3/35

asym_cav4cQ_rms vs Slug



Right In: 197.620 $\pm$ 0.062 χ^2 /NDF: 3957192.6/15

Left Out: 225.440 $\pm$ 0.044 χ^2 /NDF: 1122961.4/17

Right Out: 179.250 $\pm$ 0.058 χ^2 /NDF: 4418422.9/18

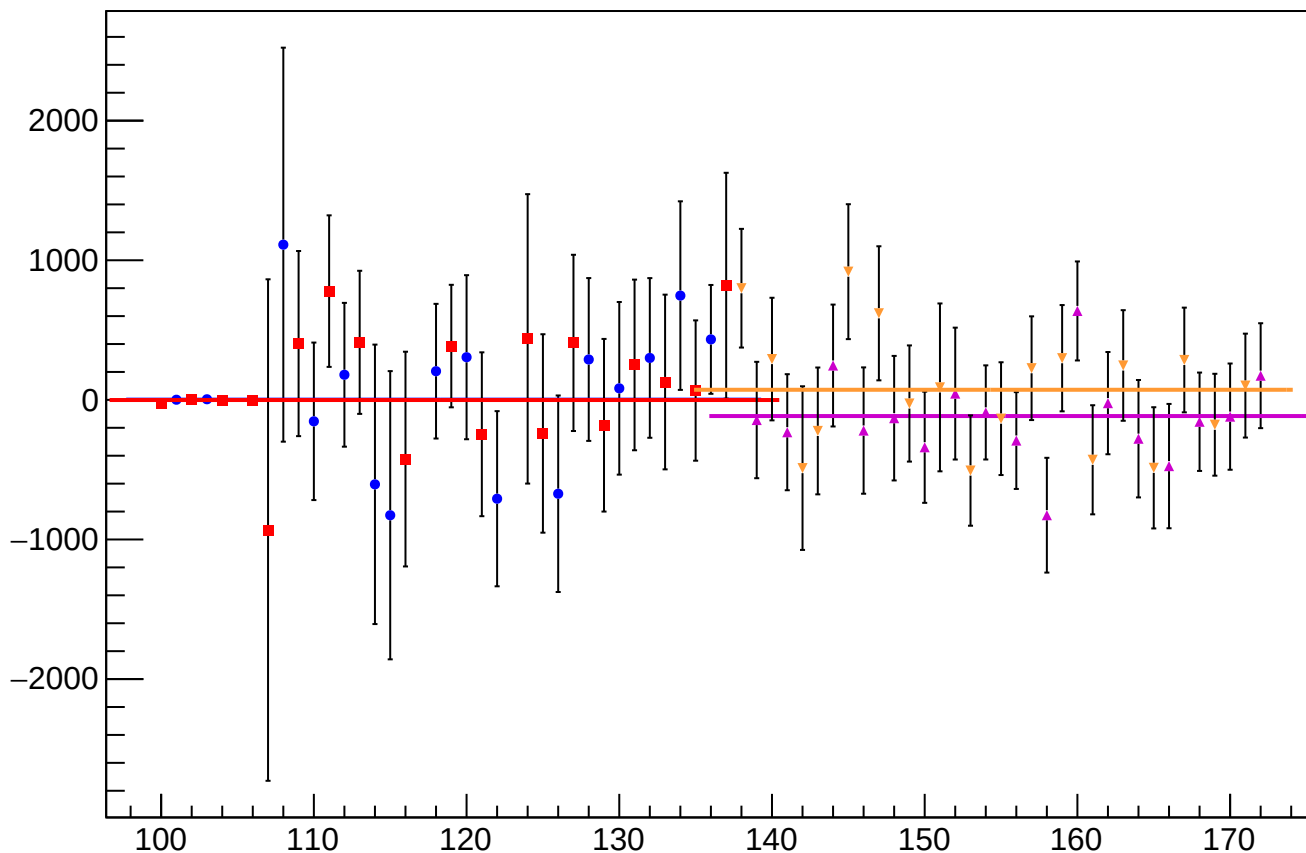
Left In: 195.985 $\pm$ 0.039 χ^2 /NDF: 1094566.5/16

+ sign 216.236 $\pm$ 0.036 χ^2 /NDF: 5214452.8/33

All: 202.167 $\pm$ 0.024 χ^2 /NDF: 11065929.9/69

- sign 190.808 $\pm$ 0.032 χ^2 /NDF: 5571080.8/35

asym_cav4dQ_mean vs Slug



Right In: 1.456 ± 1.660 $\chi^2/\text{NDF}: 7.9/15$

Left Out: 72.353 ± 98.825 $\chi^2/\text{NDF}: 16.2/17$

Right Out: -1.094 ± 1.528 $\chi^2/\text{NDF}: 9.2/18$

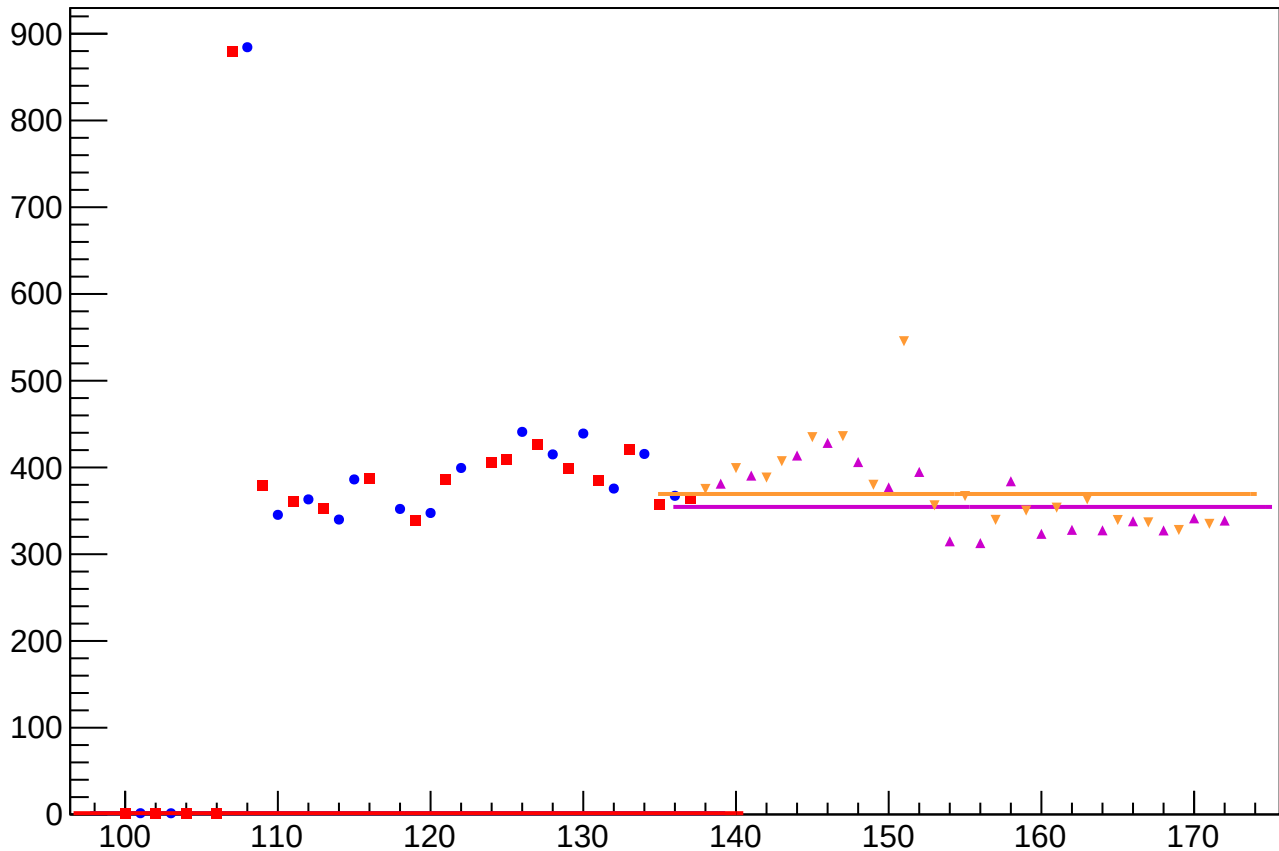
Left In: -115.887 ± 95.924 $\chi^2/\text{NDF}: 10.5/16$

+ sign 1.476 ± 1.660 $\chi^2/\text{NDF}: 24.6/33$

All: 0.069 ± 1.124 $\chi^2/\text{NDF}: 47.0/69$

- sign -1.123 ± 1.528 $\chi^2/\text{NDF}: 21.1/35$

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

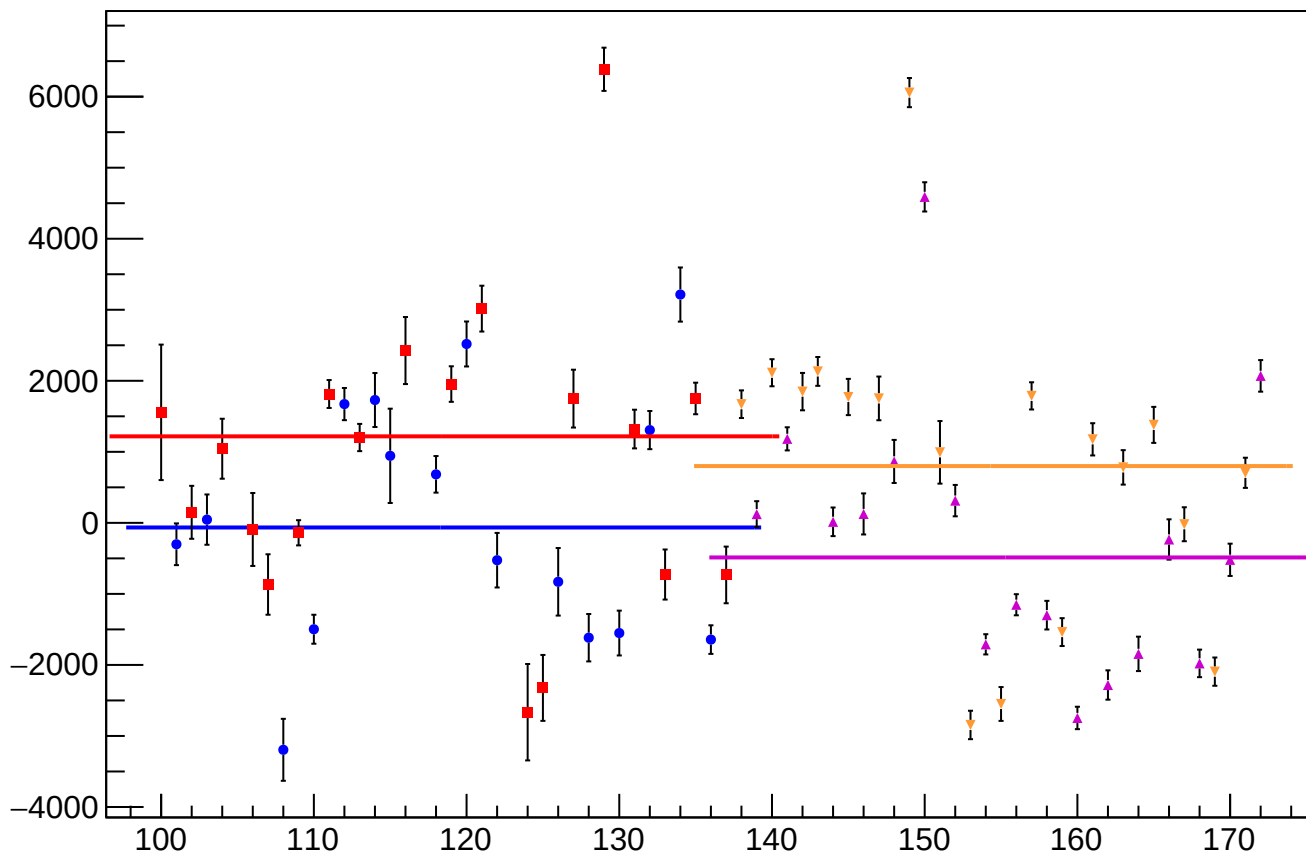
Left In: 354.514+/-0.068 χ^2/NDF : 282557.0/16

+ sign 1.574+/-0.001 χ^2/NDF : 39820064.0/33

All: 1.565+/-0.001 χ^2/NDF : 78458344.3/69

- sign 1.557+/-0.001 χ^2/NDF : 38638162.5/35

asym_bcm0l02_mean vs Slug



Right In: -64.993 ± 74.895 $\chi^2/\text{NDF}: 469.5/15$

Left Out: 799.597 ± 52.688 $\chi^2/\text{NDF}: 1737.3/17$

Right Out: 1217.846 ± 69.022 $\chi^2/\text{NDF}: 594.6/18$

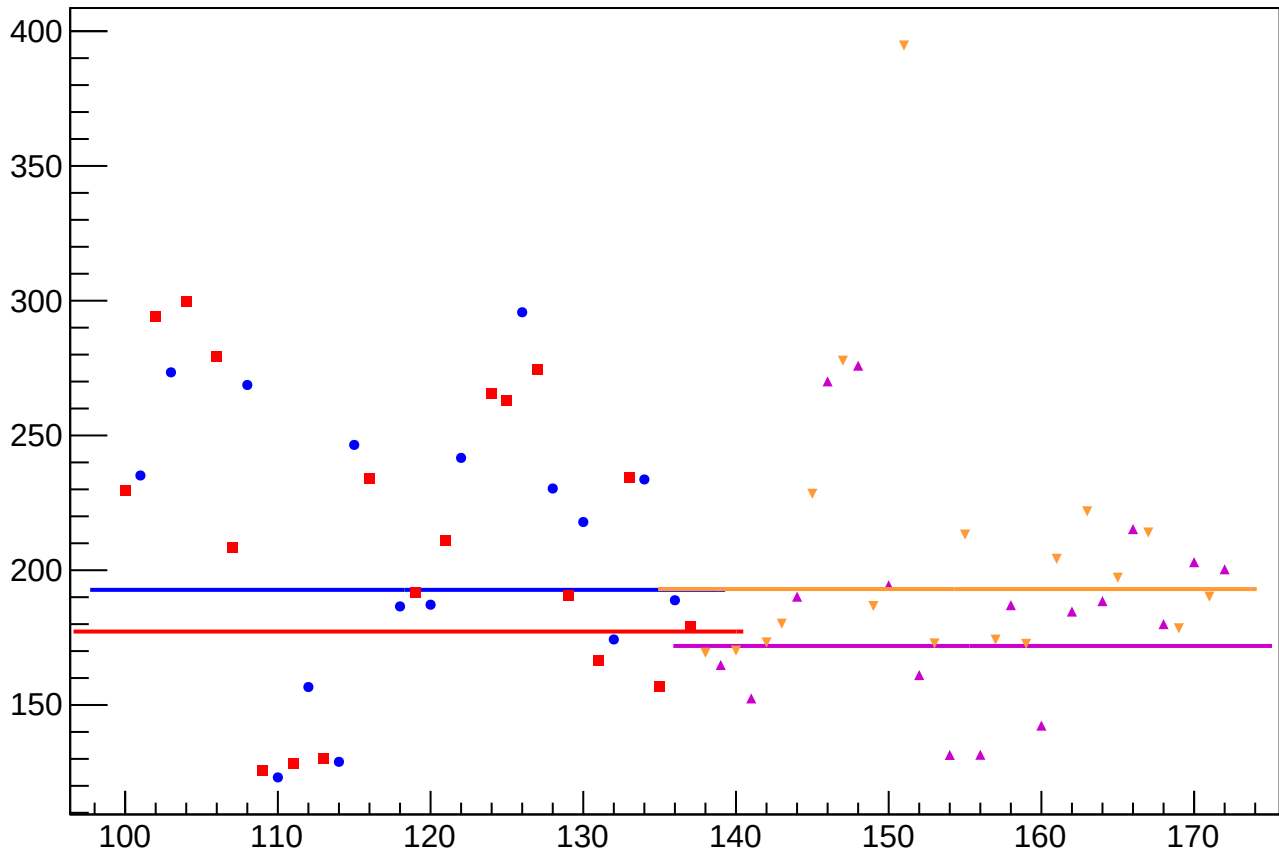
Left In: -486.951 ± 47.789 $\chi^2/\text{NDF}: 1381.6/16$

+ sign 513.364 ± 43.093 $\chi^2/\text{NDF}: 2296.0/33$

All: 268.792 ± 29.034 $\chi^2/\text{NDF}: 4743.5/69$

- sign 65.476 ± 39.291 $\chi^2/\text{NDF}: 2388.6/35$

asym_bcm0l02_rms vs Slug



Right In: 192.719 $\pm$ 0.053 χ^2 /NDF: 759146.3/15

Left Out: 193.009 $\pm$ 0.037 χ^2 /NDF: 824249.7/17

Right Out: 177.251 $\pm$ 0.049 χ^2 /NDF: 1226180.2/18

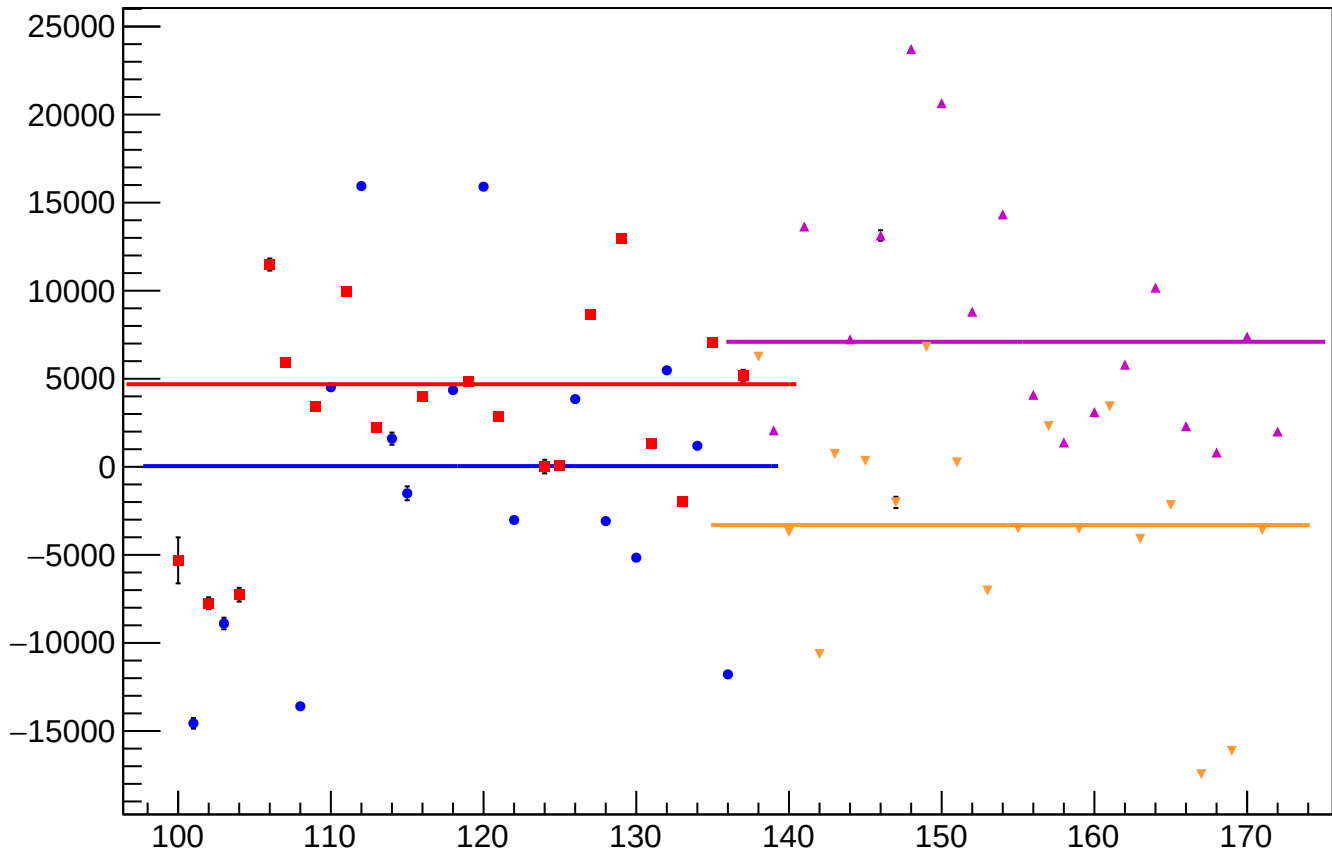
Left In: 171.906 $\pm$ 0.034 χ^2 /NDF: 1070132.8/16

+ sign 192.913 $\pm$ 0.030 χ^2 /NDF: 1583416.1/33

All: 182.388 $\pm$ 0.021 χ^2 /NDF: 4106338.4/69

- sign 173.638 $\pm$ 0.028 χ^2 /NDF: 2304422.2/35

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

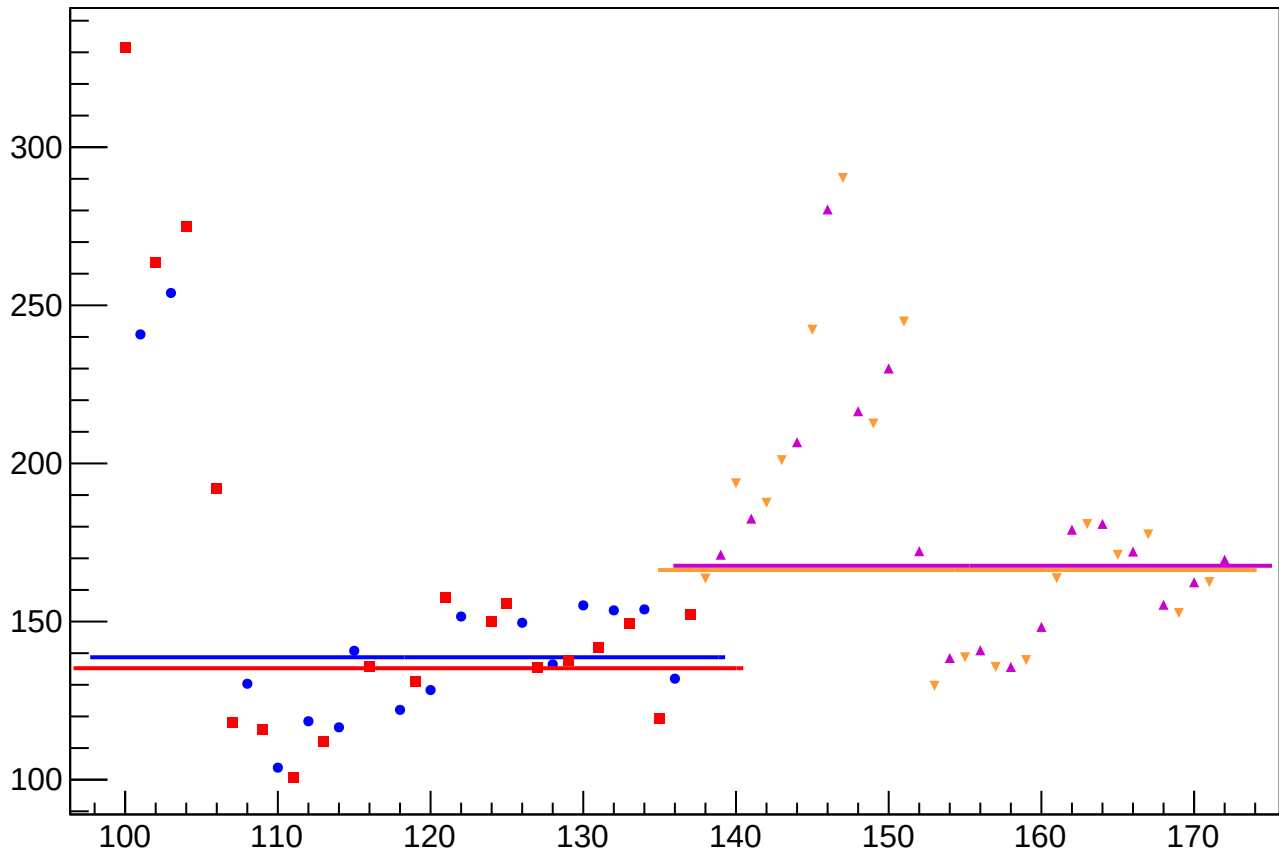
Left In: 7099.165+/-46.302 χ^2/NDF : 17608.5/16

+ sign -1922.497+/-34.848 χ^2/NDF : 53136.0/33

All: 2084.104+/-24.556 χ^2/NDF : 105992.4/69

- sign 6035.802+/-34.608 χ^2/NDF : 26599.2/35

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

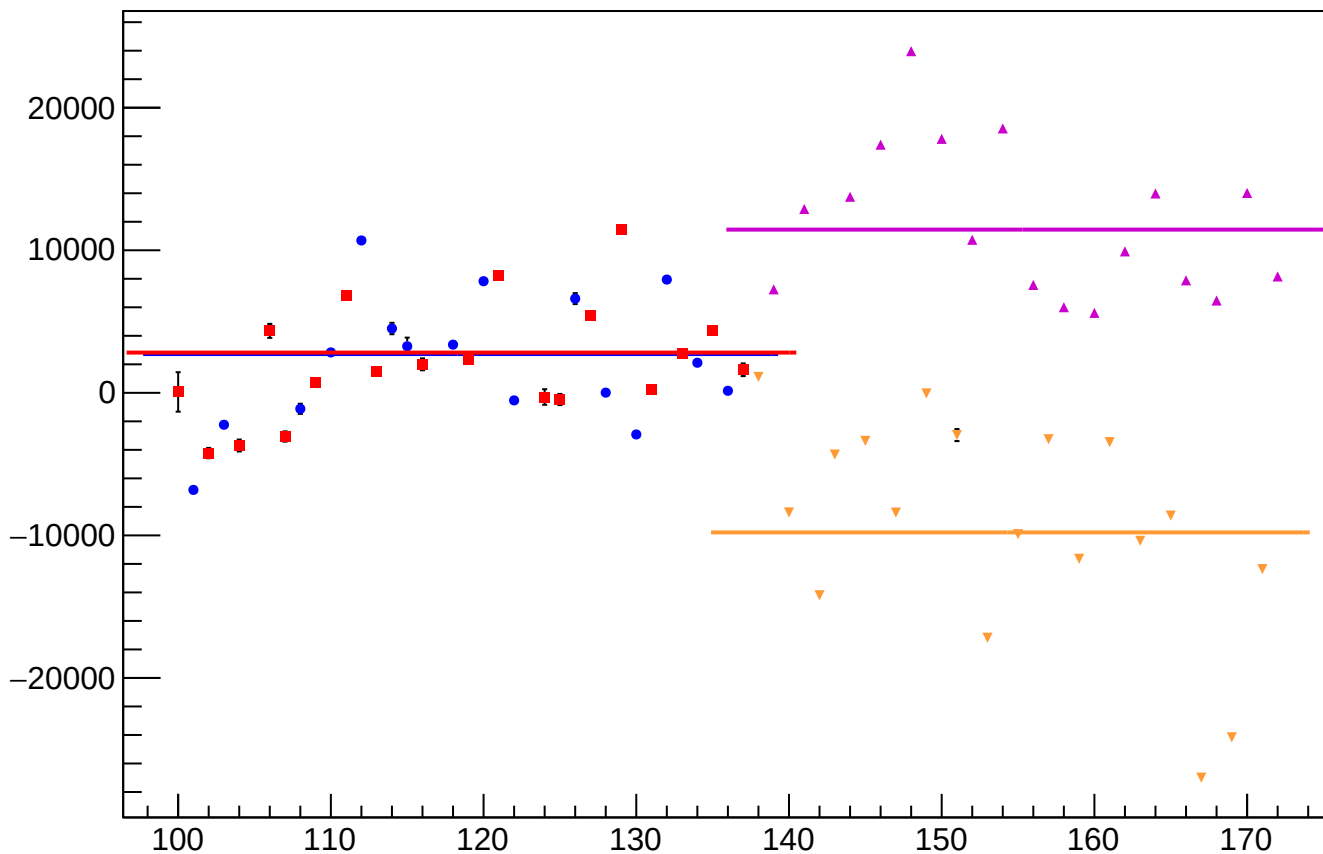
Left In: 167.647+/-0.033 χ^2/NDF :860364.4/16

+ sign 154.885+/-0.025 χ^2/NDF : 2119592.3/33

All: 154.111+/-0.017 χ^2/NDF : 4304201.2/69

- sign 153.347+/-0.024 χ^2/NDF : 2182649.0/35

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

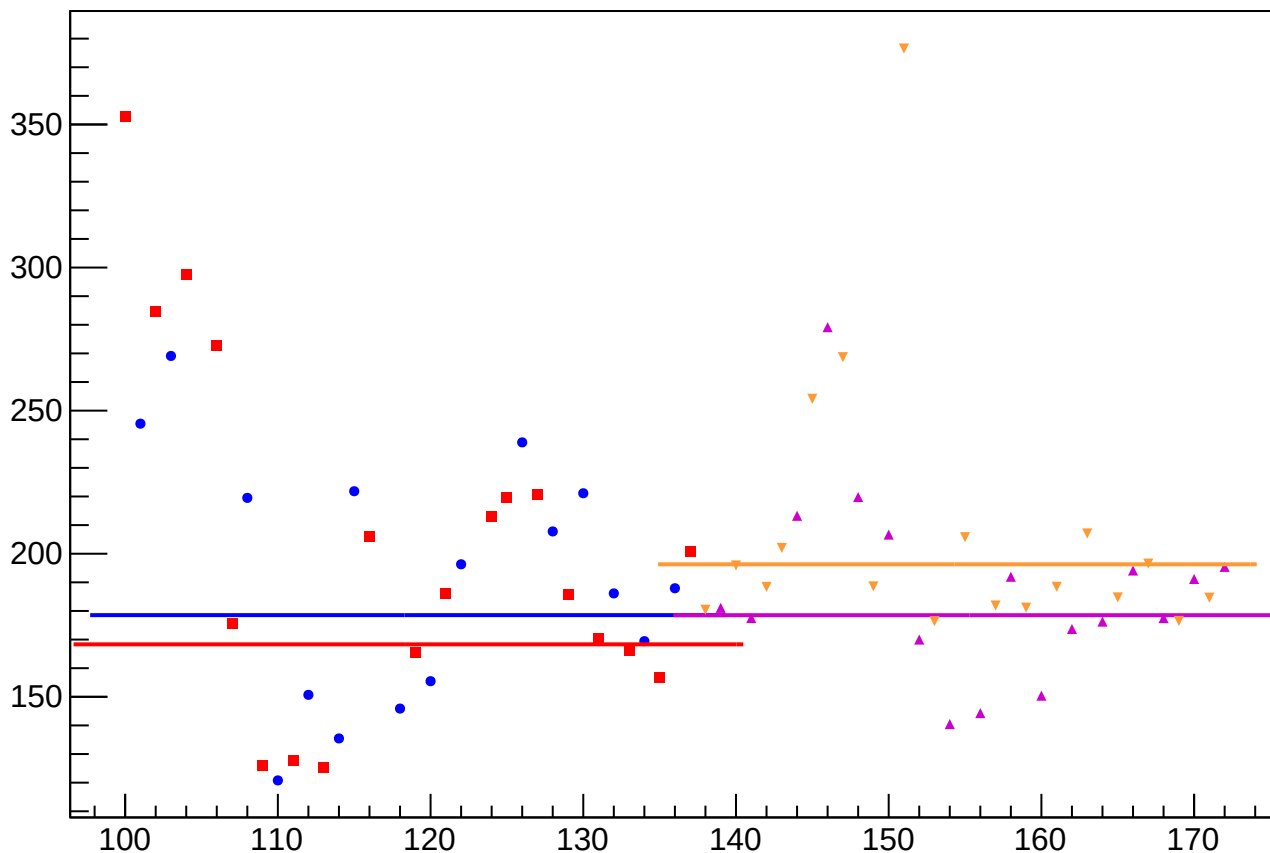
Left In: 11450.030+/-49.214 χ^2/NDF :10570.8/16

+ sign -5135.925+/-42.238 χ^2/NDF : 46381.7/33

All: 2080.761+/-28.734 χ^2/NDF : 125583.1/69

- sign 8297.589+/-39.203 χ^2/NDF : 24861.6/35

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

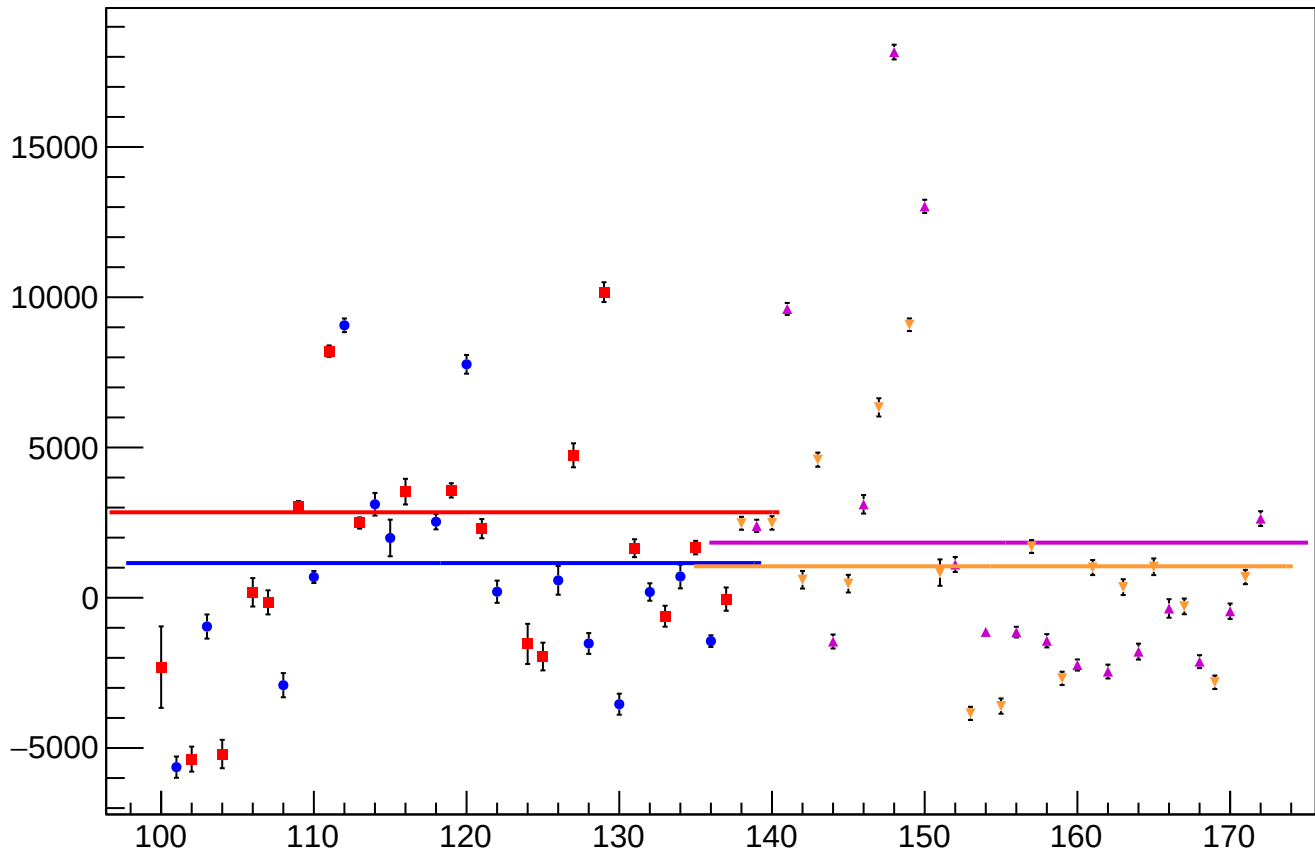
Left In: 178.522+/-0.035 χ^2/NDF : 678725.0/16

+ sign 189.692+/-0.030 χ^2/NDF : 1421223.7/33

All: 181.691+/-0.020 χ^2/NDF : 3244323.7/69

- sign 174.799+/-0.028 χ^2/NDF : 1689527.5/35

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823 $\pm$ 75.957 χ^2 /NDF: 2655.3/15

Left Out: 1047.122 $\pm$ 58.258 χ^2 /NDF: 3527.1/17

Right Out: 2843.895 $\pm$ 69.139 χ^2 /NDF: 2453.1/18

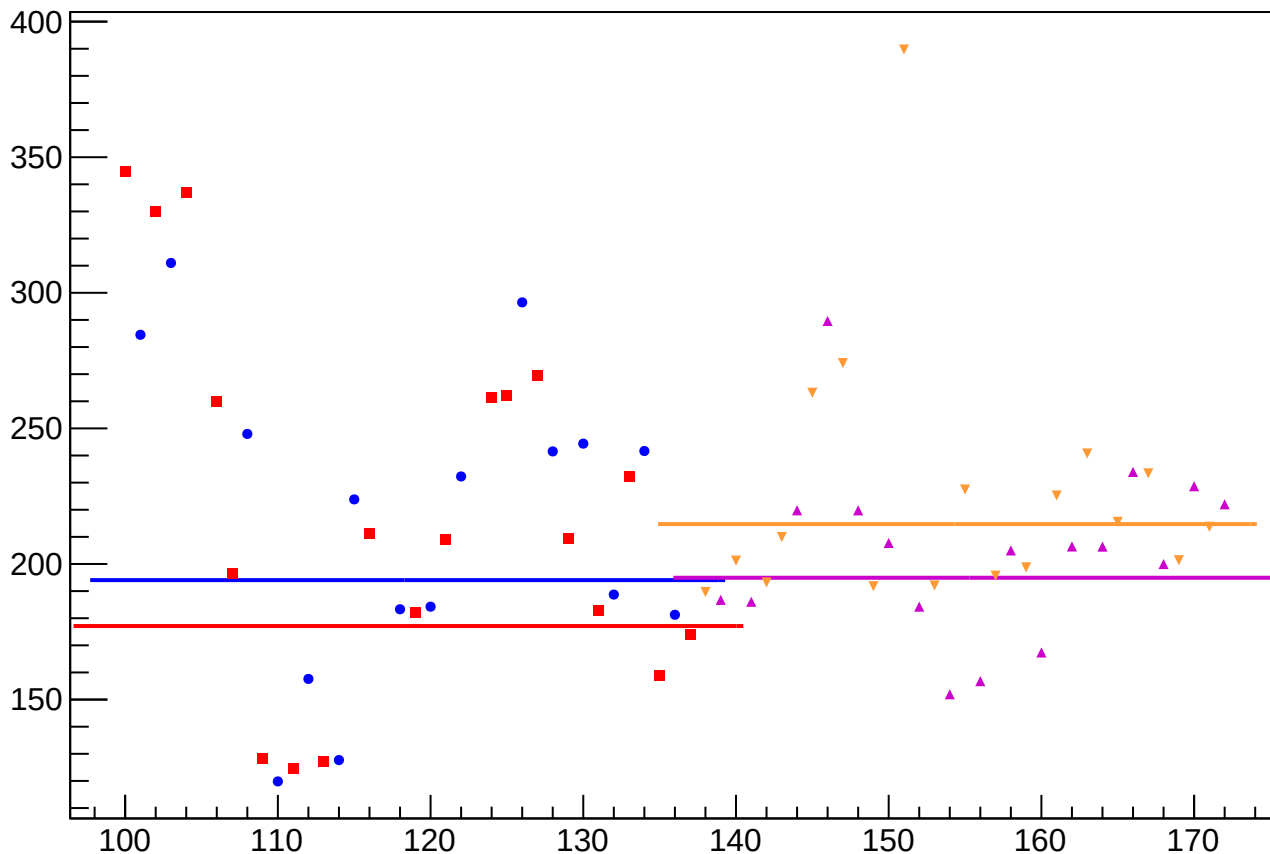
Left In: 1833.662 $\pm$ 53.709 χ^2 /NDF: 11093.1/16

+ sign 1086.642 $\pm$ 46.227 χ^2 /NDF: 6183.7/33

All: 1698.634 $\pm$ 31.253 χ^2 /NDF: 20185.8/69

- sign 2213.860 $\pm$ 42.415 χ^2 /NDF: 13679.3/35

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

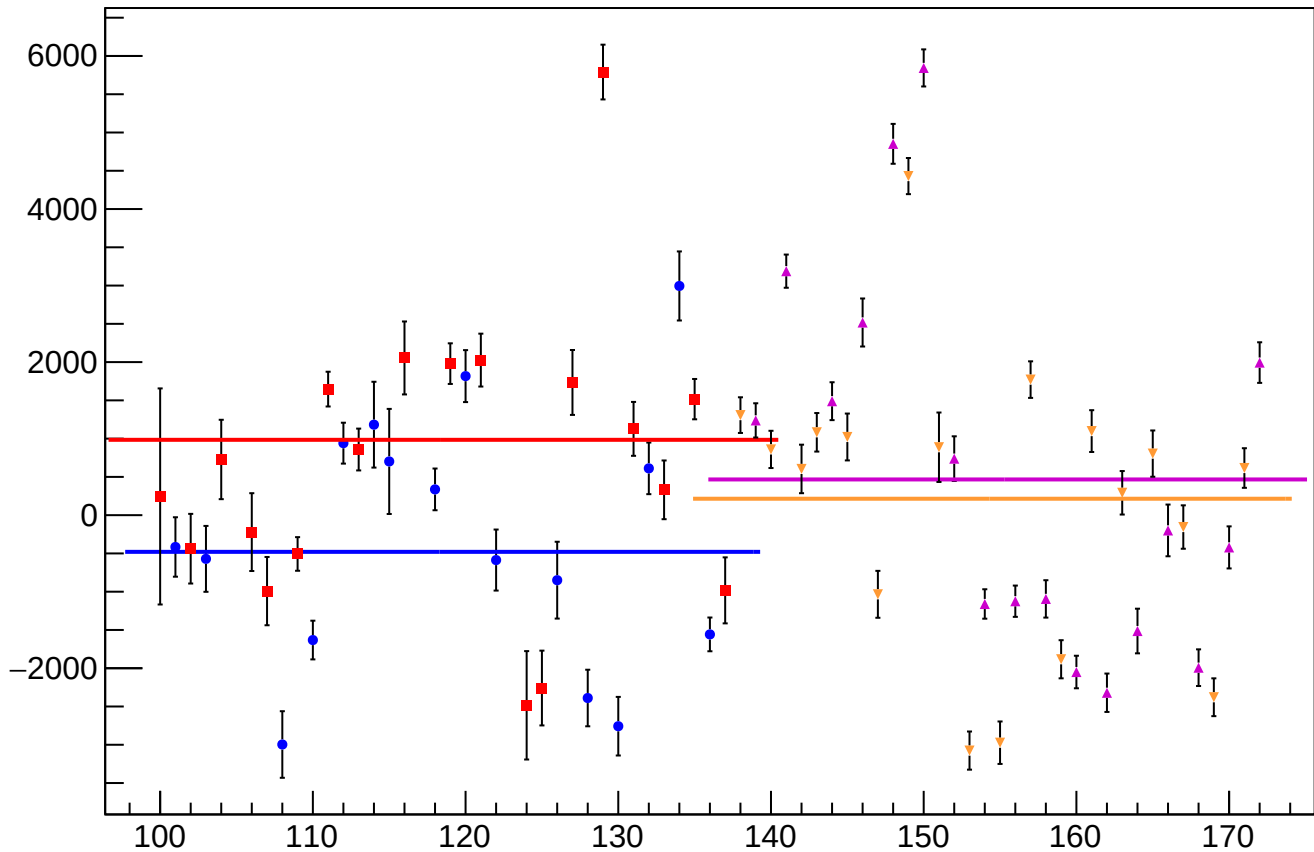
Left In: 194.922+/-0.038 χ^2/NDF : 628541.2/16

+ sign 207.060+/-0.033 χ^2/NDF : 1668941.0/33

All: 196.832+/-0.022 χ^2/NDF : 3919930.2/69

- sign 188.220+/-0.030 χ^2/NDF : 2070626.2/35

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

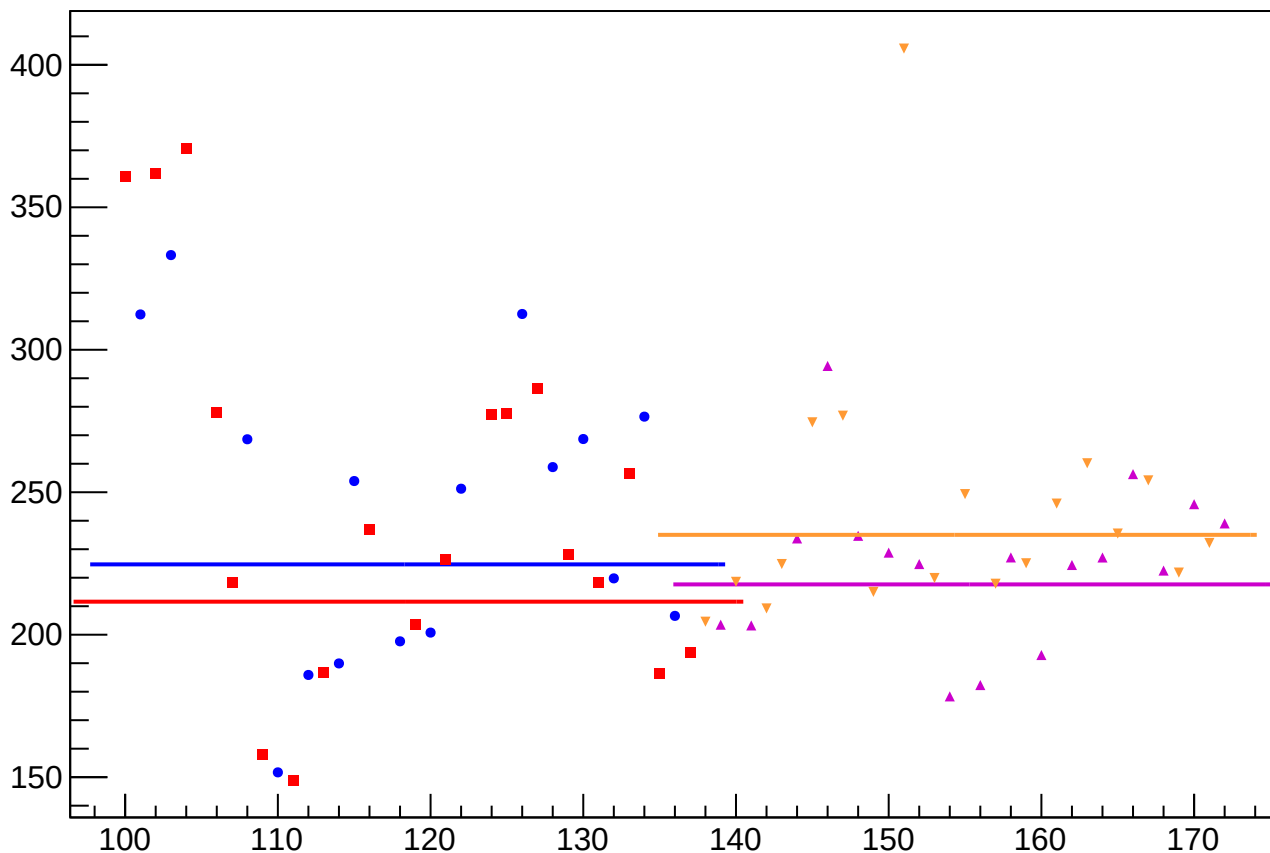
Left In: 466.644 ± 59.509 χ^2/NDF : 1641.3/16

+ sign -27.410 ± 51.203 χ^2/NDF : 1282.5/33

All: 332.637 ± 34.998 χ^2/NDF : 3441.3/69

- sign 648.335 ± 47.946 χ^2/NDF : 2066.0/35

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 235.048 $\pm$ 0.045 χ^2 /NDF: 487894.6/17

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

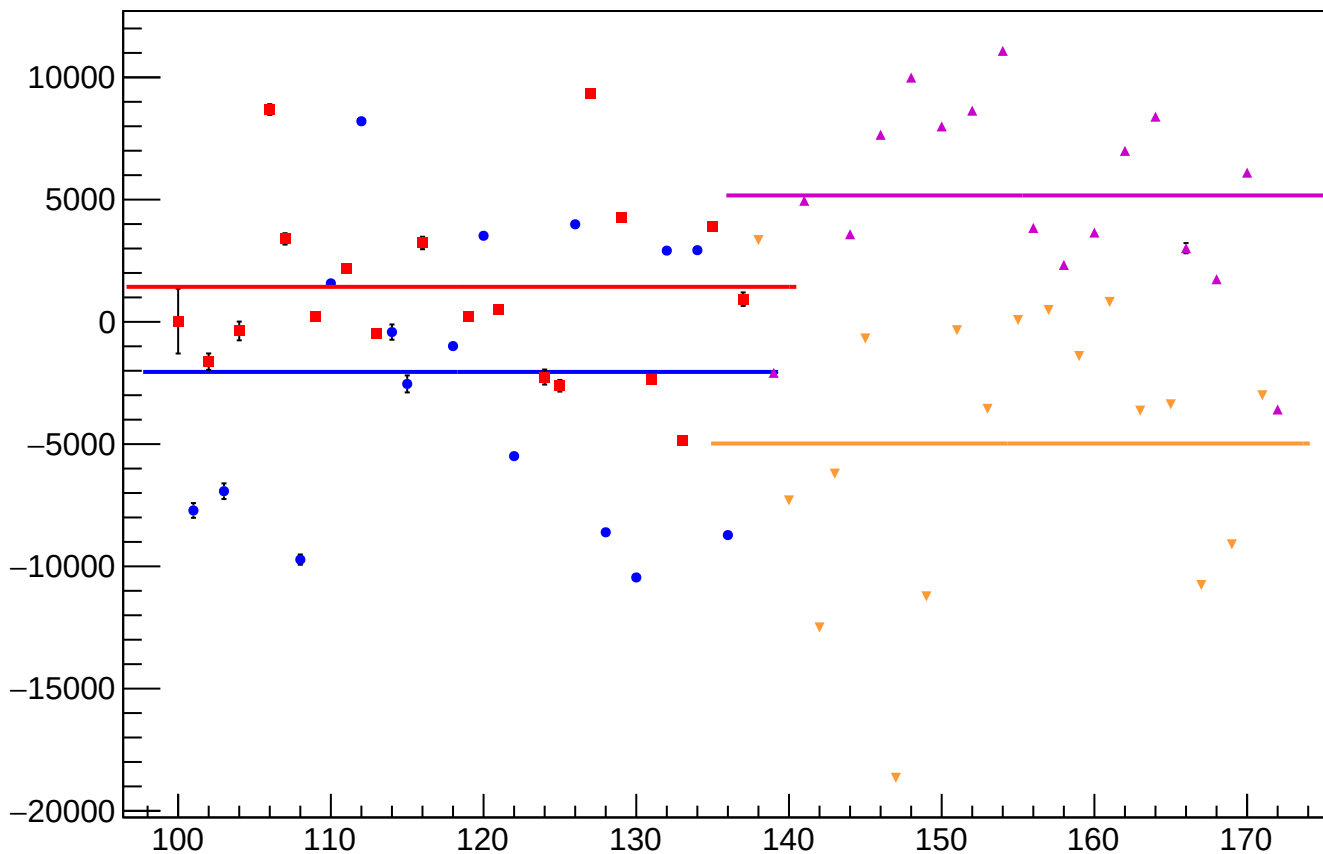
Left In: 217.657 $\pm$ 0.042 χ^2 /NDF: 396843.4/16

+ sign 231.432 $\pm$ 0.036 χ^2 /NDF: 1159707.3/33

All: 222.959 $\pm$ 0.025 χ^2 /NDF: 2599510.4/69

- sign 215.530 $\pm$ 0.034 χ^2 /NDF: 1337026.9/35

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

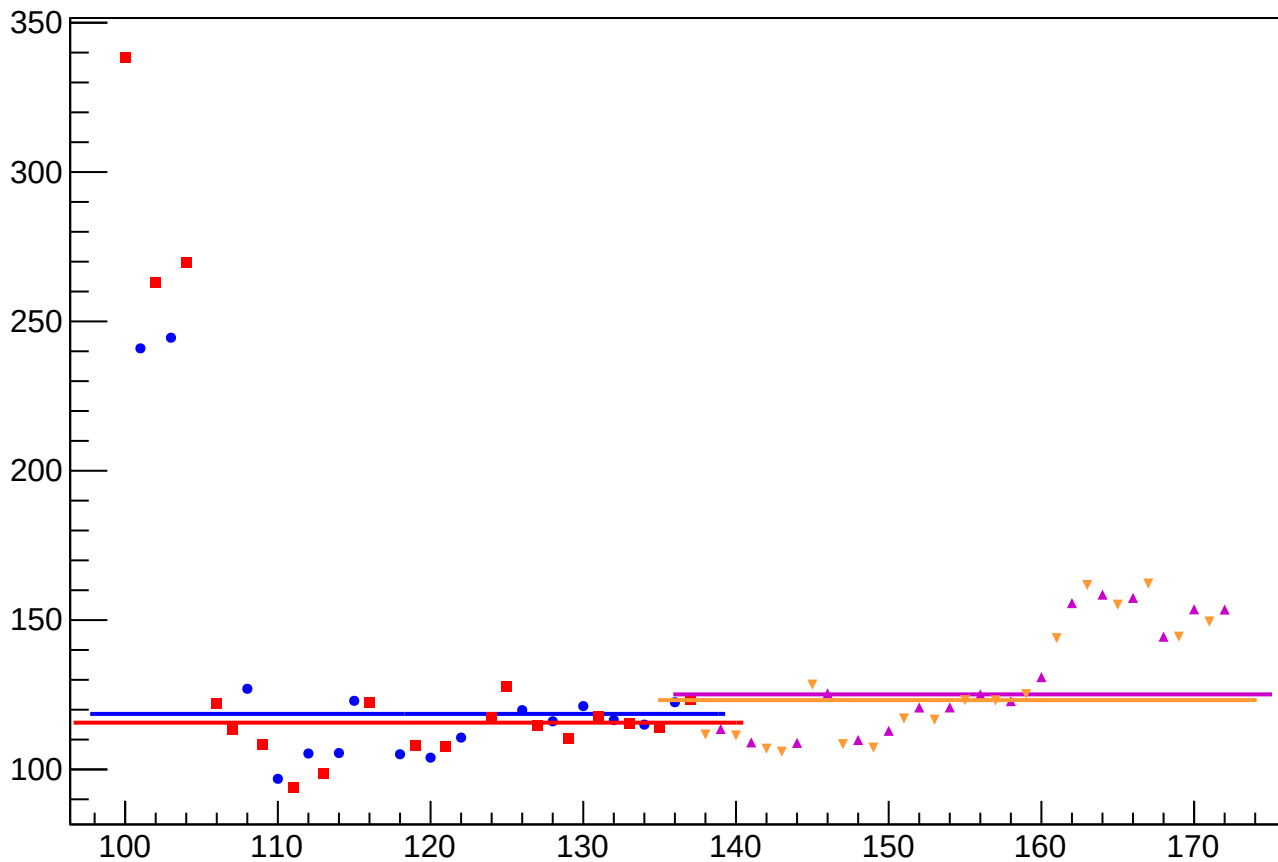
Left In: 5171.035 ± 34.009 χ^2/NDF : 12986.5/16

+ sign -3989.262 ± 27.114 χ^2/NDF : 50952.3/33

All: -87.912 ± 19.158 χ^2/NDF : 116097.9/69

- sign 3801.631 ± 27.072 χ^2/NDF : 23800.0/35

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

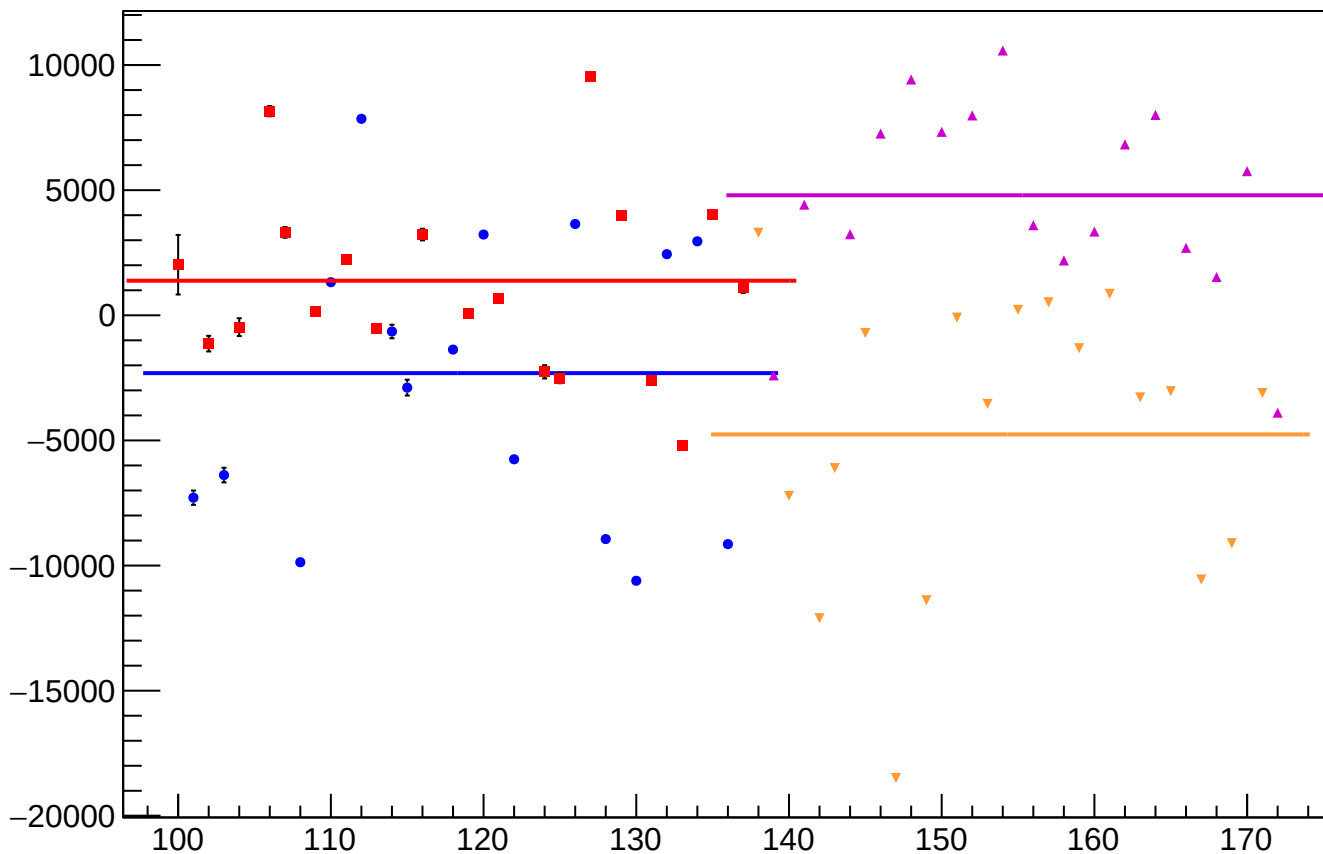
Left In: 125.133+/-0.024 χ^2/NDF : 457640.1/16

+ sign 121.650+/-0.019 χ^2/NDF : 1277782.2/33

All: 121.656+/-0.014 χ^2/NDF : 2656474.0/69

- sign 121.662+/-0.019 χ^2/NDF : 1378691.6/35

asym_bpm2i01WS_mean vs Slug



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

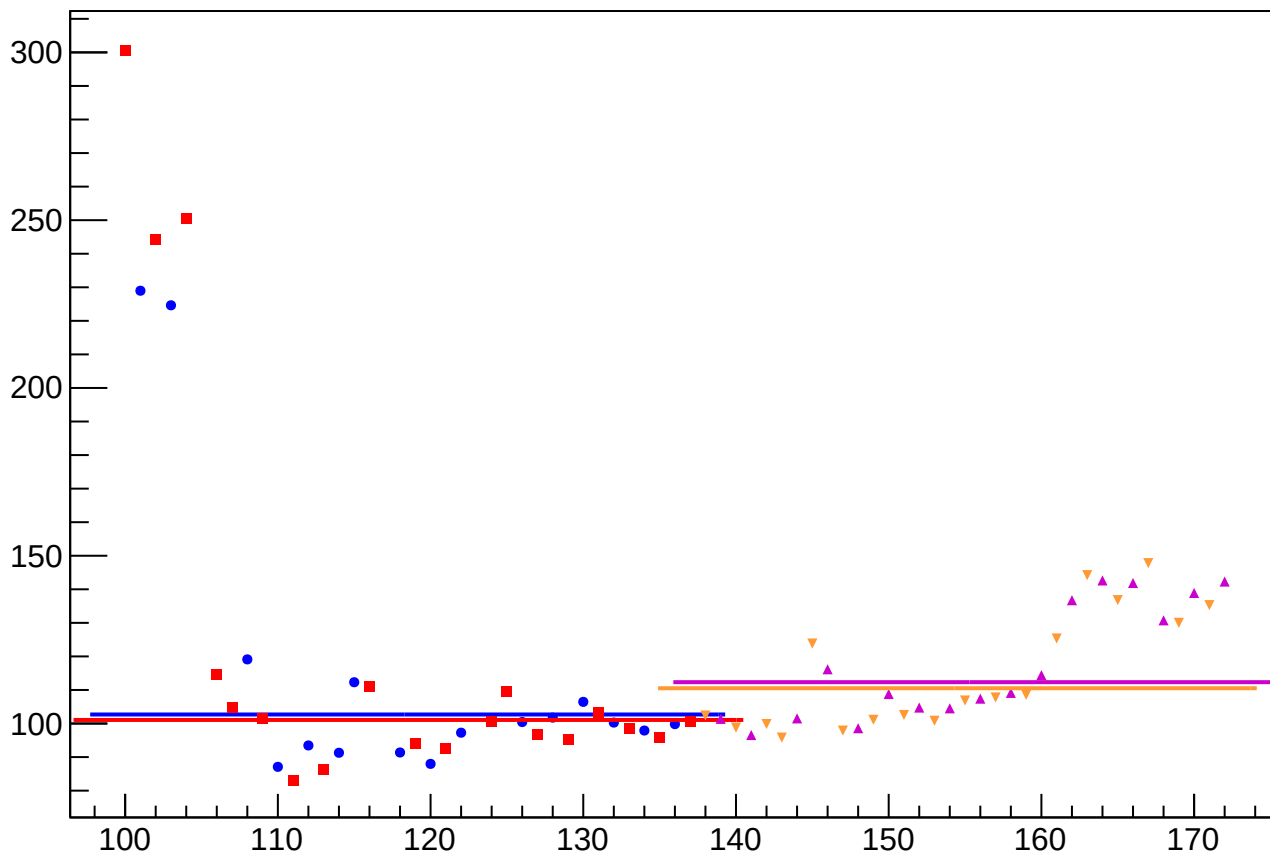
Left In: 4796.477 ± 30.559 χ^2/NDF : 15254.8/16

+ sign -3902.596 ± 24.097 χ^2/NDF : 62356.0/33

All: -201.183 ± 17.052 χ^2/NDF : 138149.8/69

- sign 3511.644 ± 24.134 χ^2/NDF : 28531.1/35

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

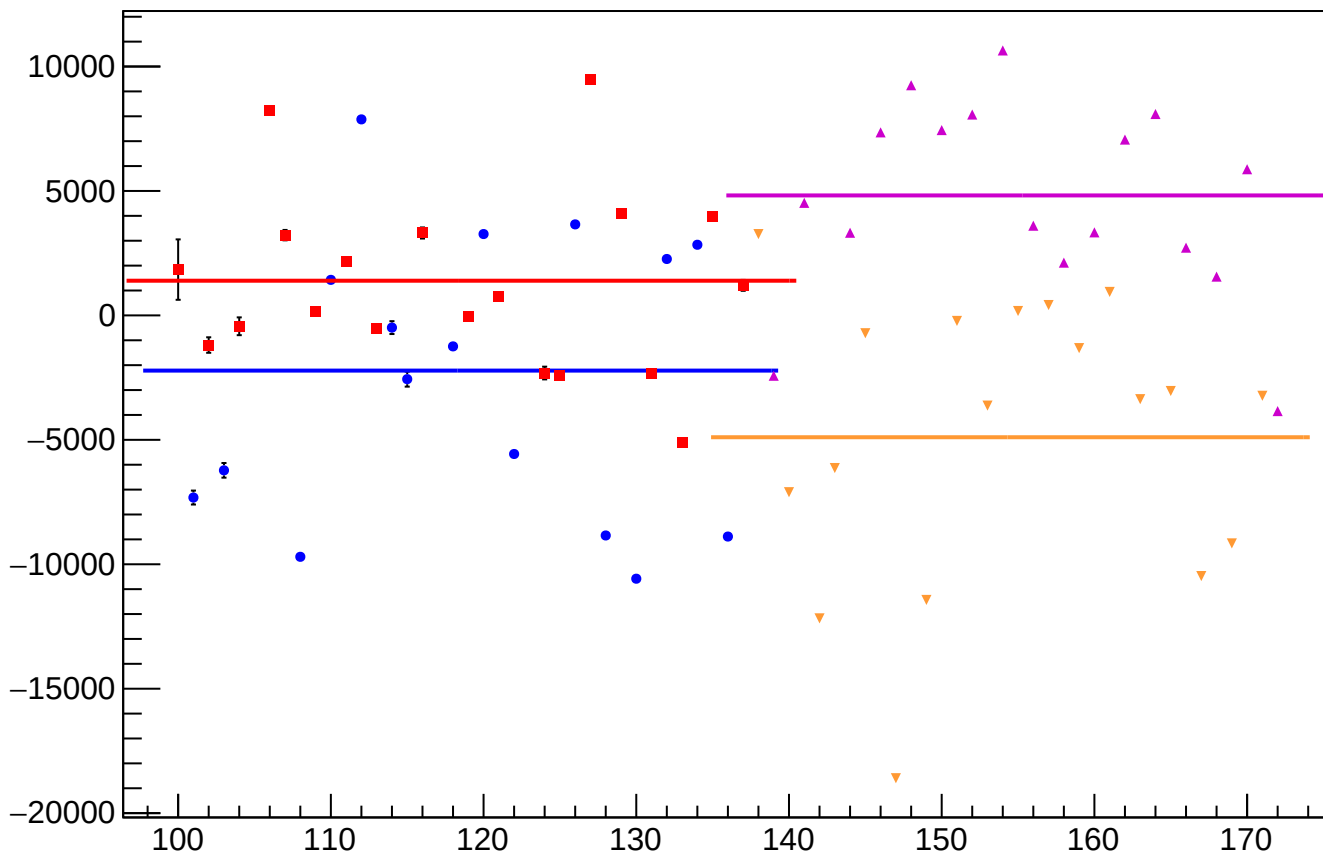
Left In: 112.323+/-0.022 χ^2/NDF : 462600.4/16

+ sign 107.779+/-0.017 χ^2/NDF : 1389328.4/33

All: 107.932+/-0.012 χ^2/NDF : 2884733.4/69

- sign 108.086+/-0.017 χ^2/NDF : 1495242.2/35

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

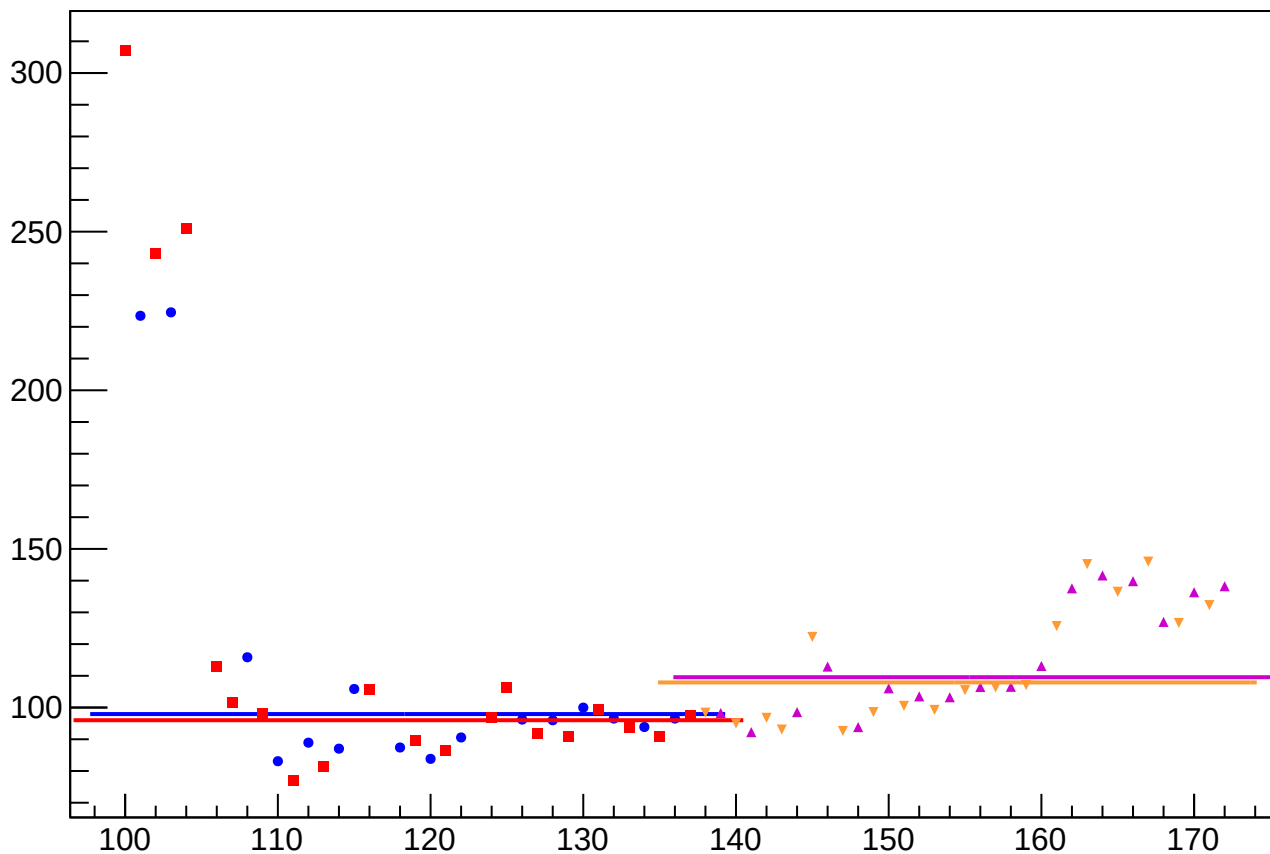
Left In: 4820.332 ± 29.875 χ^2/NDF : 16148.6/16

+ sign -3932.654 ± 23.413 χ^2/NDF : 67191.2/33

All: -215.361 ± 16.546 χ^2/NDF : 147945.2/69

- sign 3493.306 ± 23.386 χ^2/NDF : 30395.7/35

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

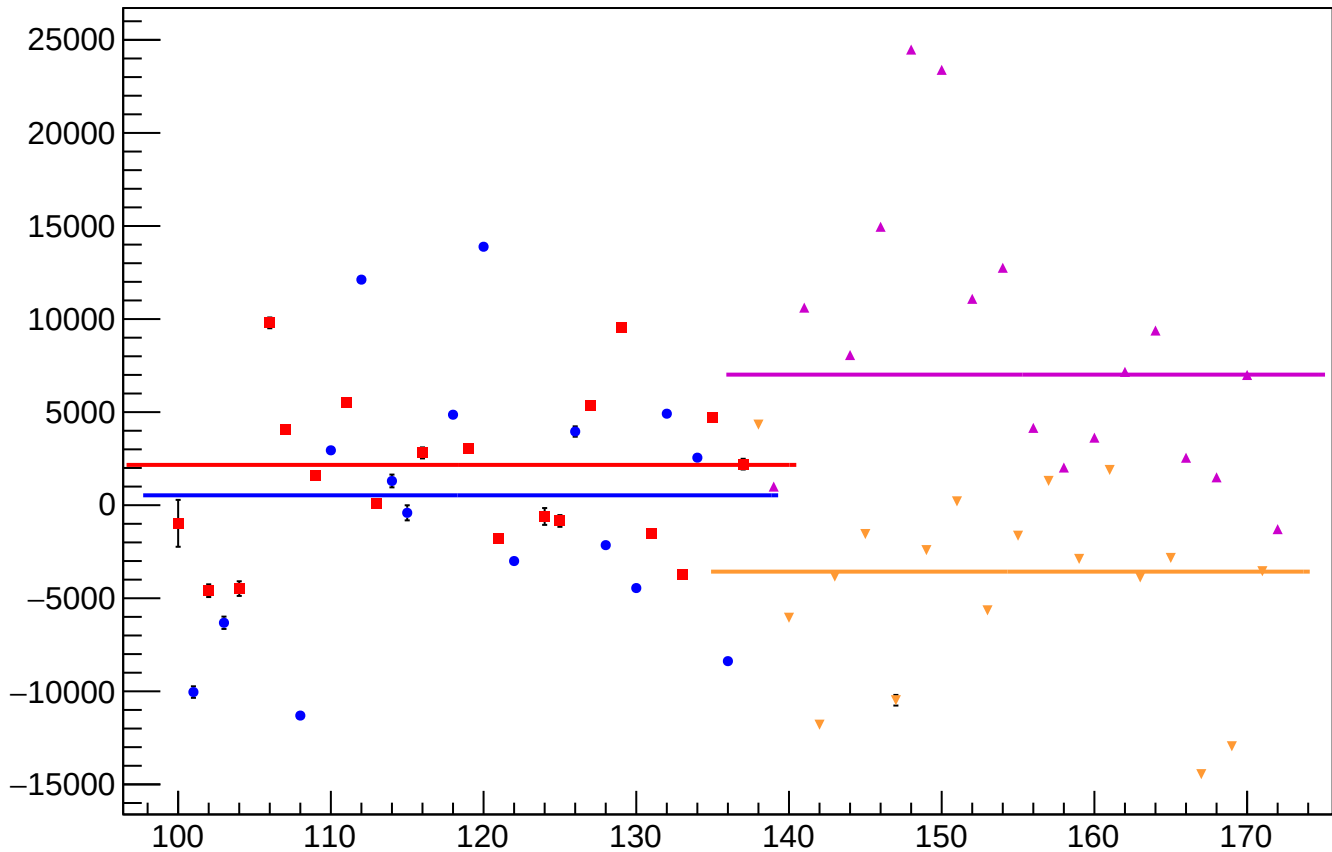
Left In: 109.559+/-0.021 χ^2/NDF : 512892.5/16

+ sign 104.326+/-0.017 χ^2/NDF : 1541164.6/33

All: 104.318+/-0.012 χ^2/NDF : 3225778.7/69

- sign 104.310+/-0.017 χ^2/NDF : 1684613.7/35

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

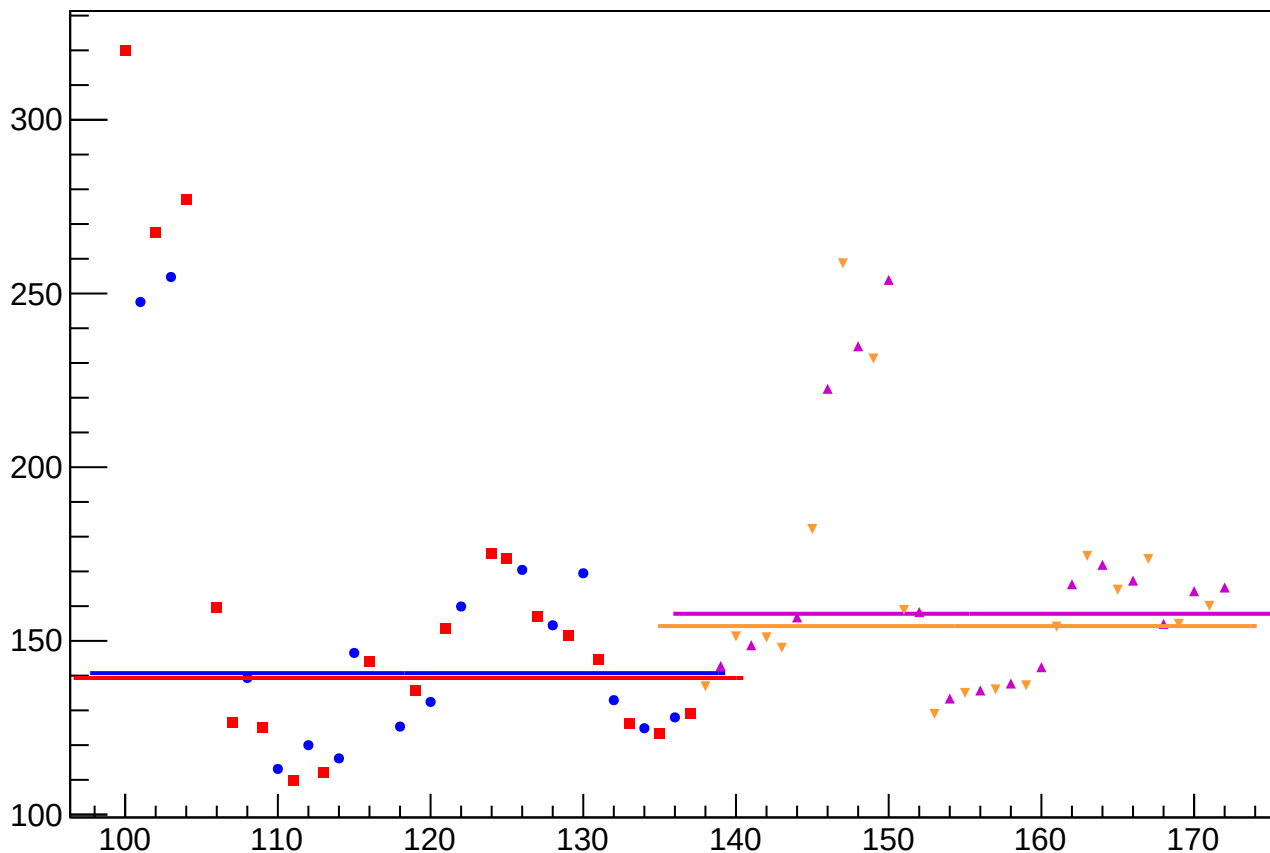
Left In: 7014.741+/-43.155 χ^2/NDF : 19024.7/16

+ sign -2064.025+/-33.239 χ^2/NDF : 35931.7/33

All: 1482.164+/-23.623 χ^2/NDF : 87904.1/69

- sign 5101.222+/-33.579 χ^2/NDF : 28974.7/35

asym_bpm0i01WS_rms vs Slug



Right In: 140.715 $\pm$ 0.039 χ^2 /NDF: 675618.7/15

Left Out: 154.268 $\pm$ 0.030 χ^2 /NDF: 720133.0/17

Right Out: 139.317 $\pm$ 0.038 χ^2 /NDF: 802317.0/18

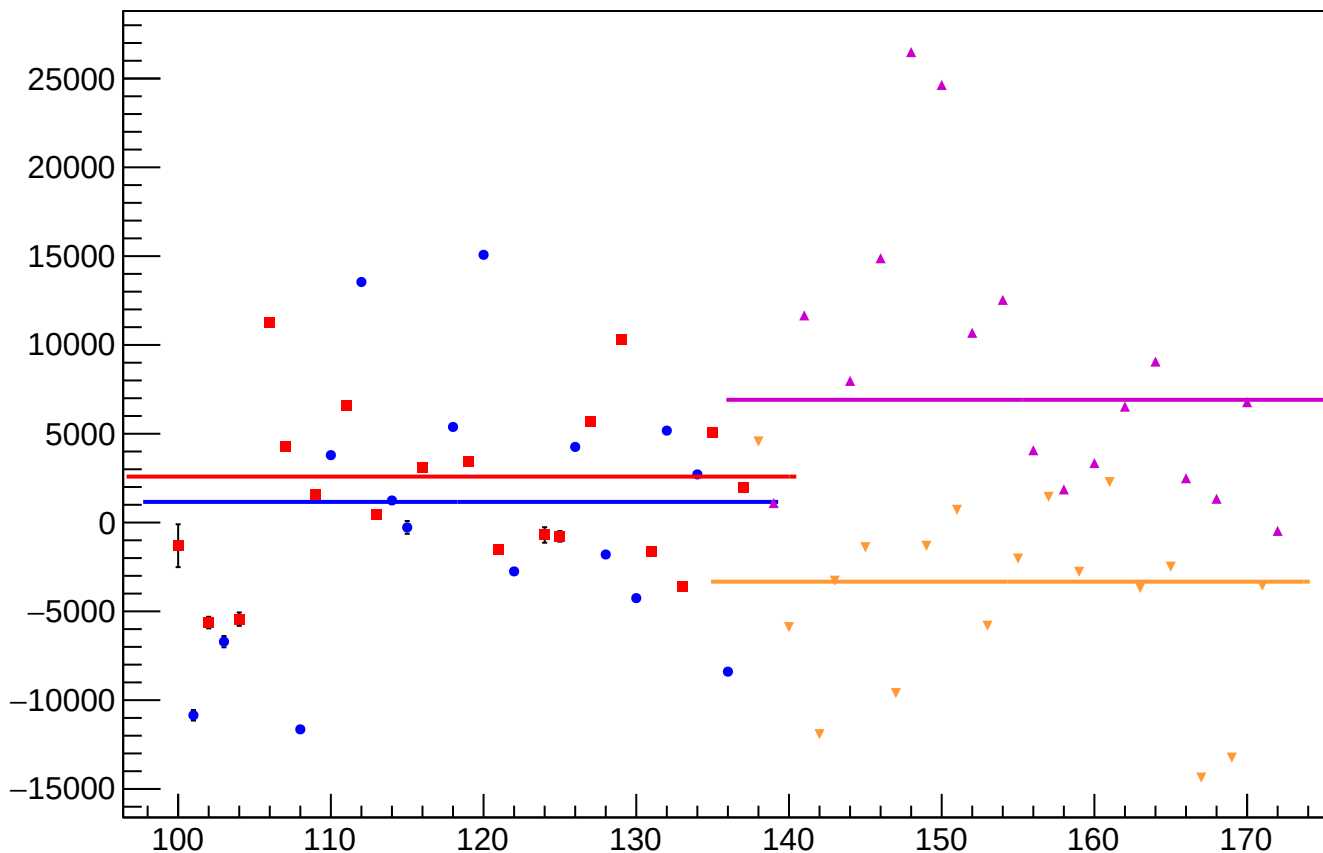
Left In: 157.811 $\pm$ 0.031 χ^2 /NDF: 783412.7/16

+ sign 149.292 $\pm$ 0.024 χ^2 /NDF: 1473014.1/33

All: 149.897 $\pm$ 0.017 χ^2 /NDF: 3205003.3/69

- sign 150.514 $\pm$ 0.024 χ^2 /NDF: 1730651.4/35

asym_bpm0i01aWS_mean vs Slug



Right In: 1162.980 $\pm$ 45.930 χ^2 /NDF: 30754.3/15

Left Out: -3328.443 $\pm$ 36.996 χ^2 /NDF:18006.6/17

Right Out: 2586.755 $\pm$ 44.256 χ^2 /NDF: 8099.7/18

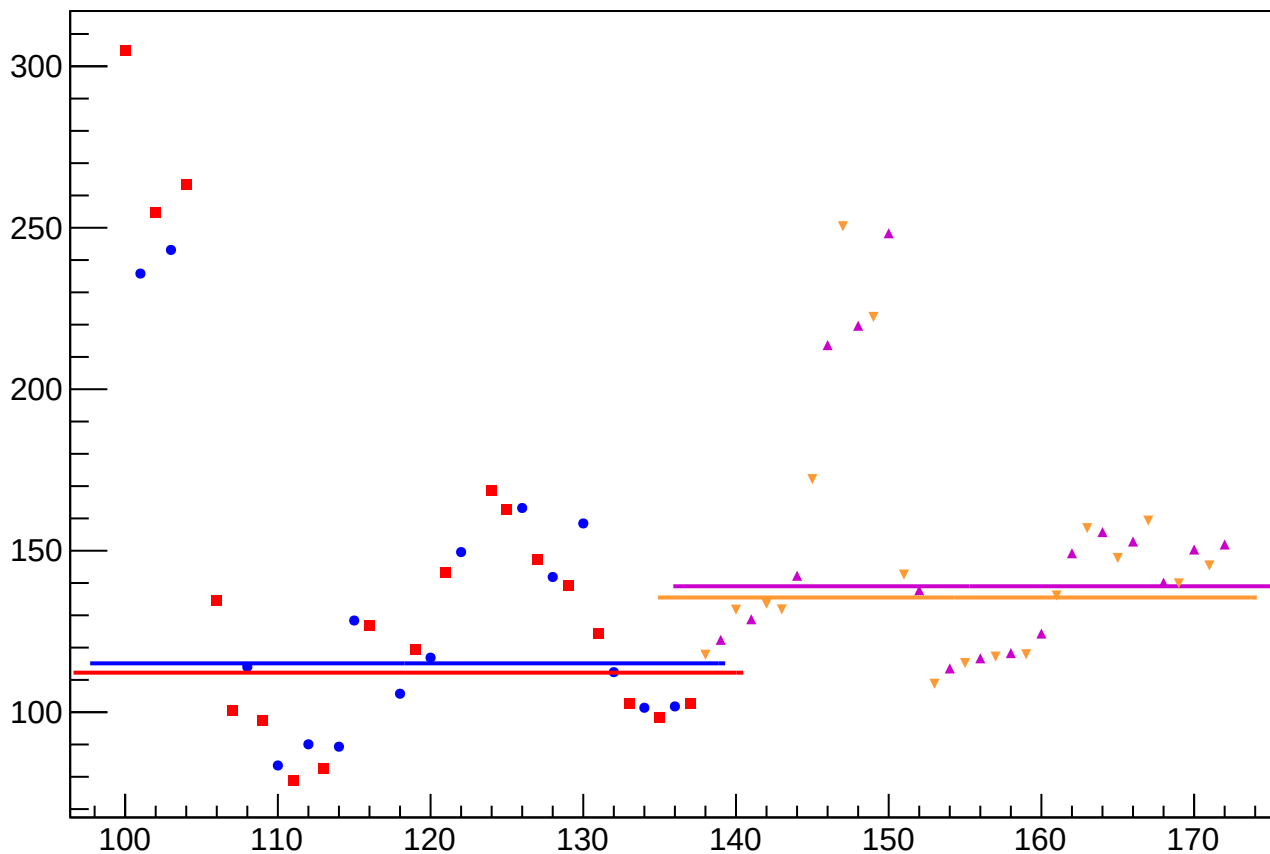
Left In: 6910.882 $\pm$ 38.354 χ^2 /NDF:24344.4/16

+ sign -1561.093 $\pm$ 28.812 χ^2 /NDF: 54560.7/33

All: 1727.806 $\pm$ 20.434 χ^2 /NDF: 118674.6/69

- sign 5056.212 $\pm$ 28.984 χ^2 /NDF: 37896.0/35

asym_bpm0i01aWS_rms vs Slug



Right In: 115.125 $\pm$ 0.032 χ^2 /NDF: 1112987.2/15

Left Out: 135.517 $\pm$ 0.026 χ^2 /NDF: 1021721.7/17

Right Out: 112.241 $\pm$ 0.031 χ^2 /NDF: 1328156.6/18

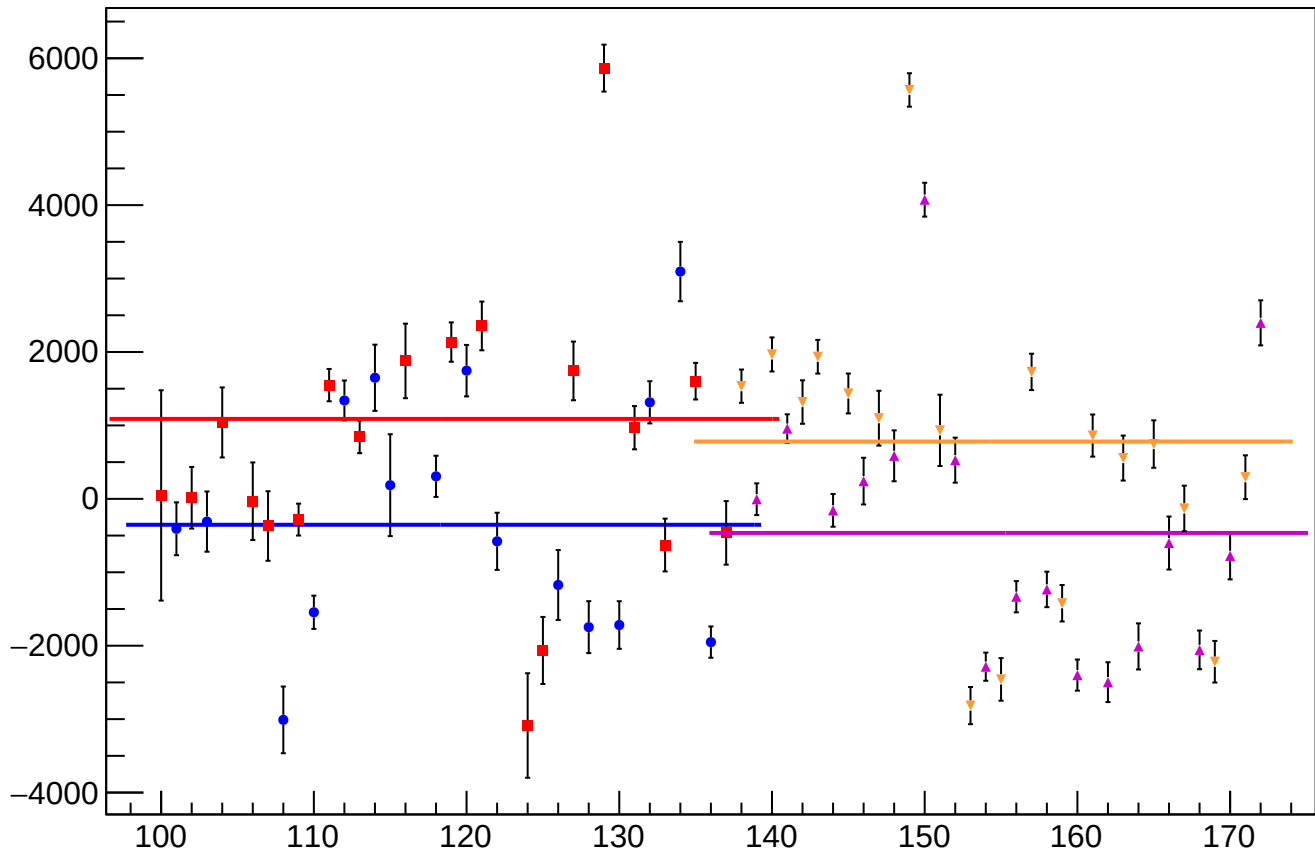
Left In: 138.991 $\pm$ 0.027 χ^2 /NDF: 1089938.1/16

+ sign 127.493 $\pm$ 0.020 χ^2 /NDF: 2373810.6/33

All: 127.505 $\pm$ 0.014 χ^2 /NDF: 5209182.7/69

- sign 127.518 $\pm$ 0.020 χ^2 /NDF: 2835371.4/35

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

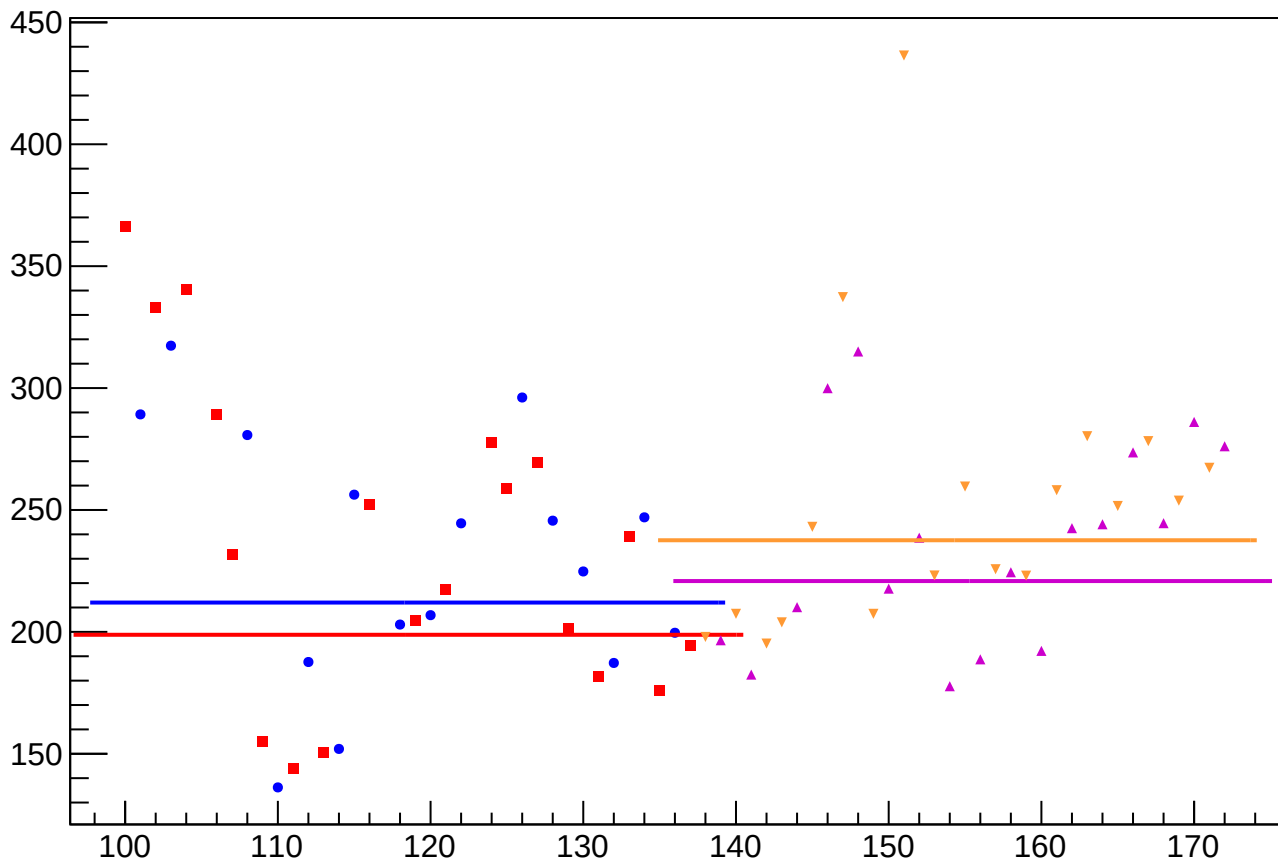
Left In: -464.170 ± 60.824 χ^2/NDF : 876.7/16

+ sign 346.748 ± 50.805 χ^2/NDF : 1537.5/33

All: 235.491 ± 34.734 χ^2/NDF : 3123.1/69

- sign 137.843 ± 47.596 χ^2/NDF : 1576.5/35

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

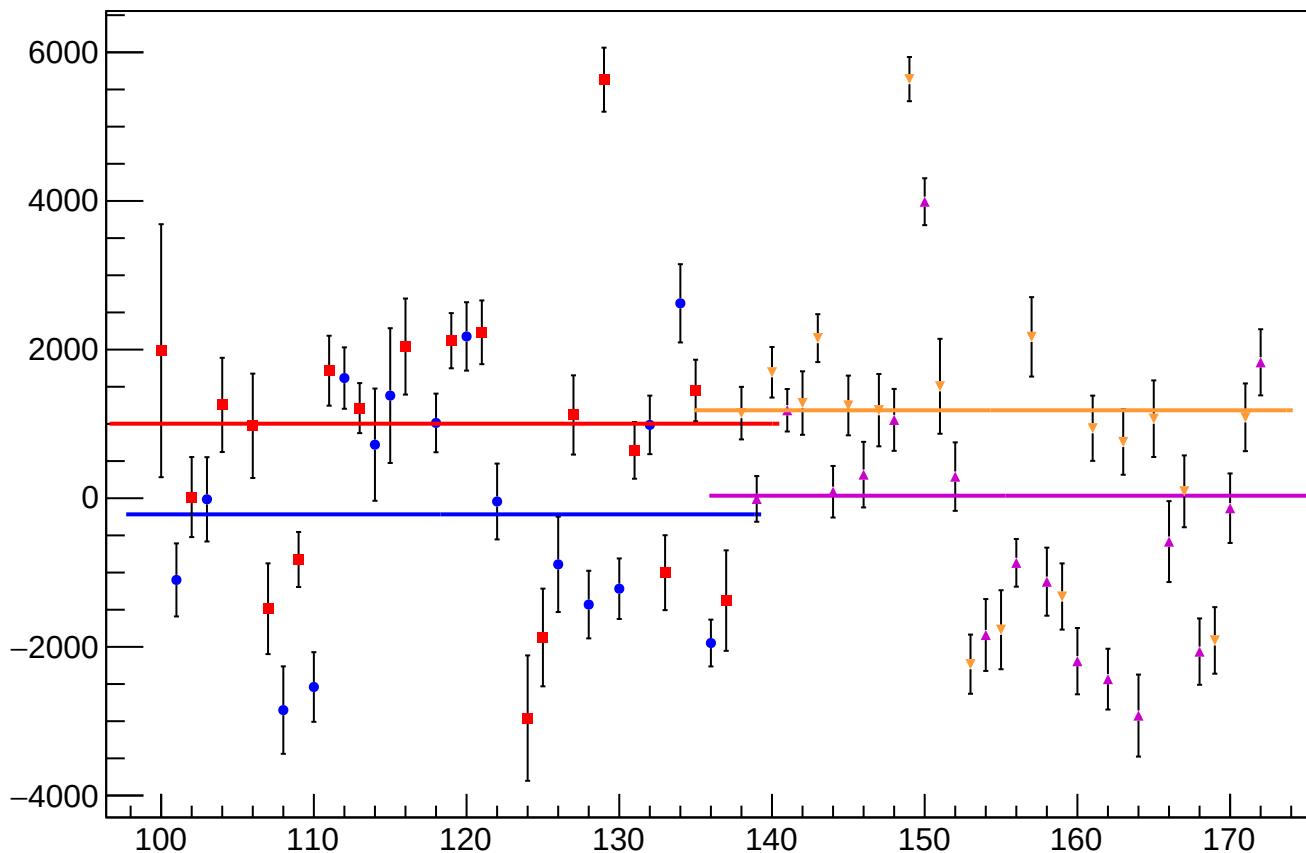
Left In: 220.847+/-0.043 χ^2/NDF : 800180.4/16

+ sign 227.803+/-0.036 χ^2/NDF : 1645908.6/33

All: 219.549+/-0.025 χ^2/NDF : 3621935.4/69

- sign 212.304+/-0.034 χ^2/NDF : 1876889.7/35

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

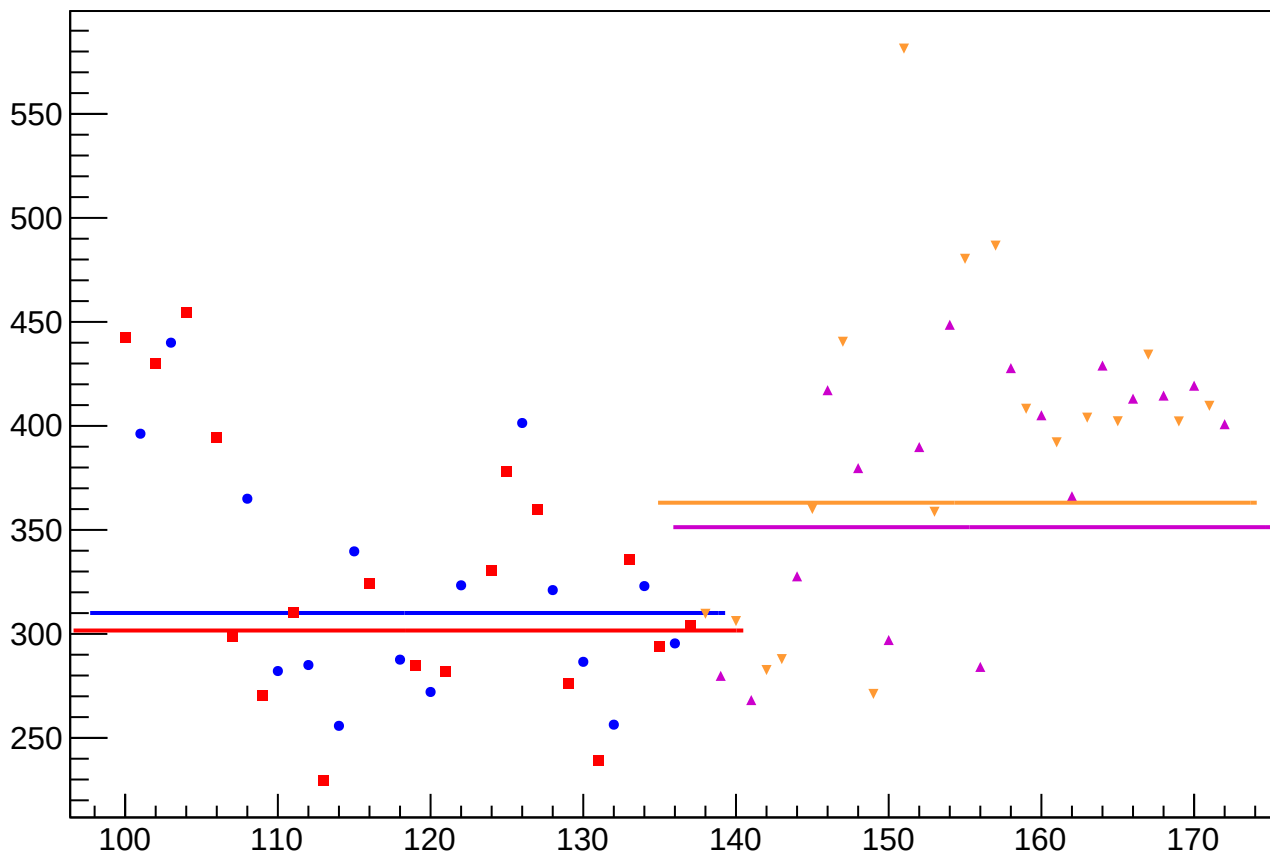
Left In: 34.179 ± 96.304 χ^2/NDF : 339.0/16

+ sign 605.889 ± 75.707 χ^2/NDF : 705.1/33

All: 520.996 ± 52.671 χ^2/NDF : 1343.5/69

- sign 441.356 ± 73.327 χ^2/NDF : 635.9/35

asym_bpm0l02WS_rms vs Slug



Right In: 310.062 $\pm$ 0.083 χ^2 /NDF: 323283.5/15

Left Out: 363.080 $\pm$ 0.070 χ^2 /NDF:1099291.8/17

Right Out: 301.637 $\pm$ 0.080 χ^2 /NDF: 519888.9/18

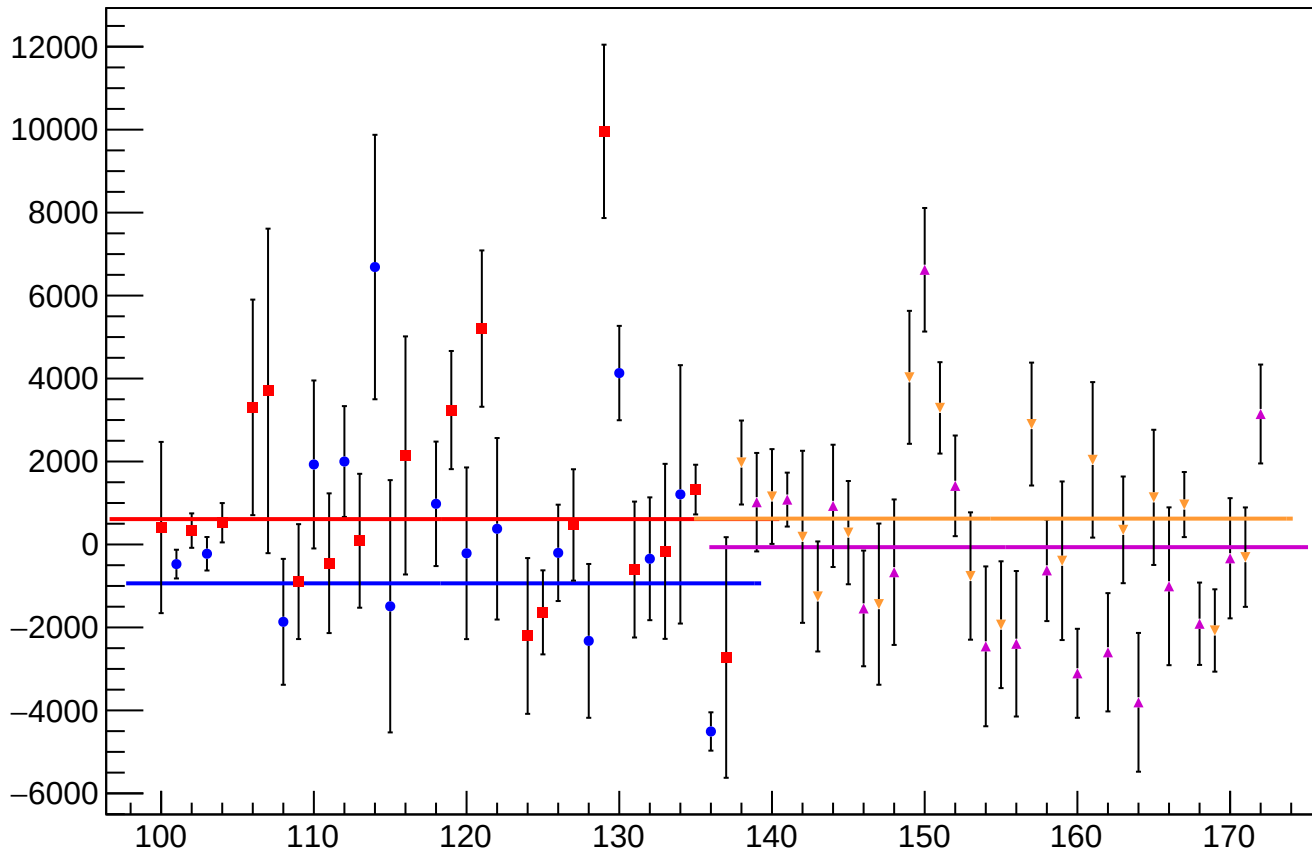
Left In: 351.320 $\pm$ 0.068 χ^2 /NDF:842177.3/16

+ sign 341.214 $\pm$ 0.054 χ^2 /NDF: 1660265.5/33

All: 335.655 $\pm$ 0.037 χ^2 /NDF: 3266935.5/69

- sign 330.440 $\pm$ 0.052 χ^2 /NDF: 1585770.4/35

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

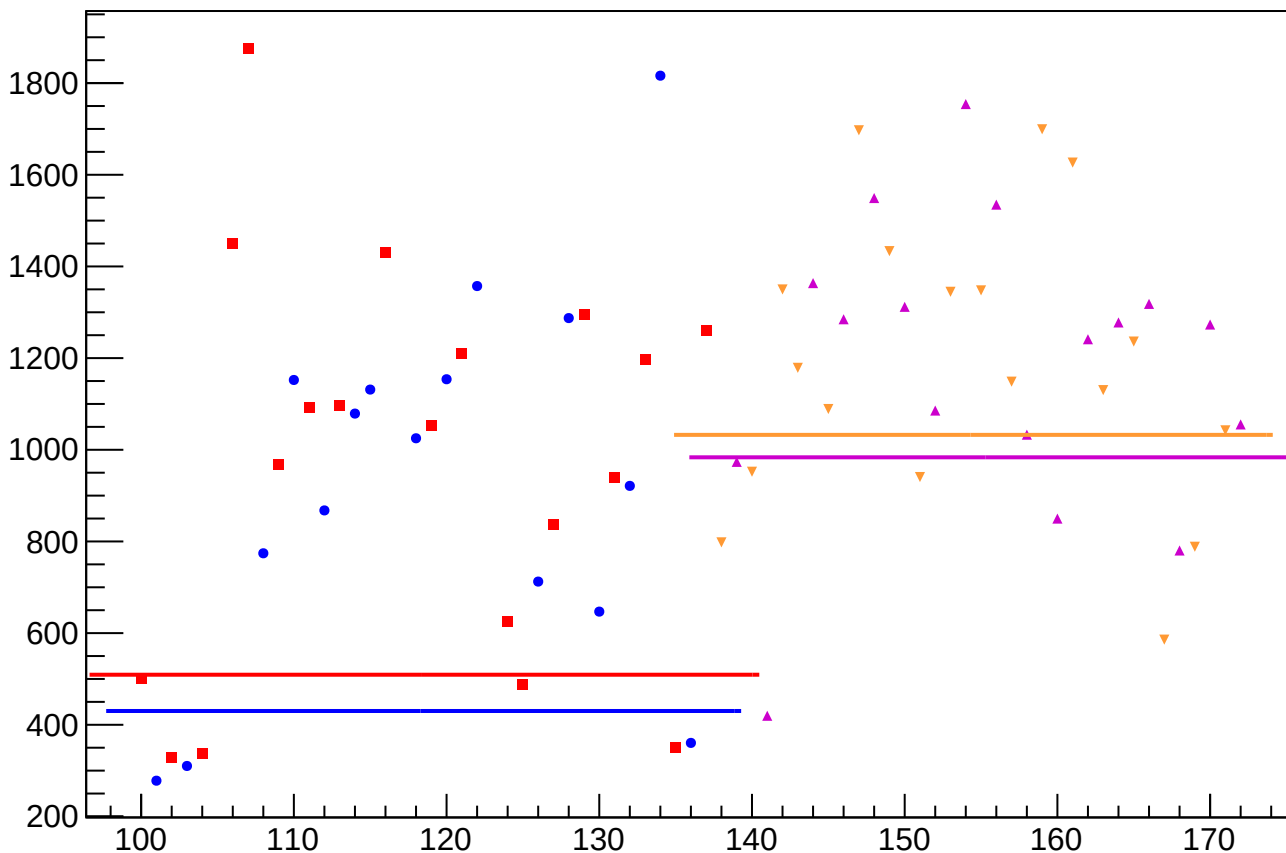
Left In: -64.728 ± 302.091 χ^2/NDF : 58.0/16

+ sign -449.335 ± 169.734 χ^2/NDF : 150.1/33

All: -78.873 ± 124.936 χ^2/NDF : 265.7/69

- sign 359.178 ± 184.569 χ^2/NDF : 105.2/35

asym_bpm0l03WS_rms vs Slug



Right In: 430.110 $\pm$ 0.145 χ^2 /NDF: 3521861.8/15

Left Out: 1032.553 $\pm$ 0.215 χ^2 /NDF: 2002178.6/17

Right Out: 509.236 $\pm$ 0.165 χ^2 /NDF: 3673425.8/18

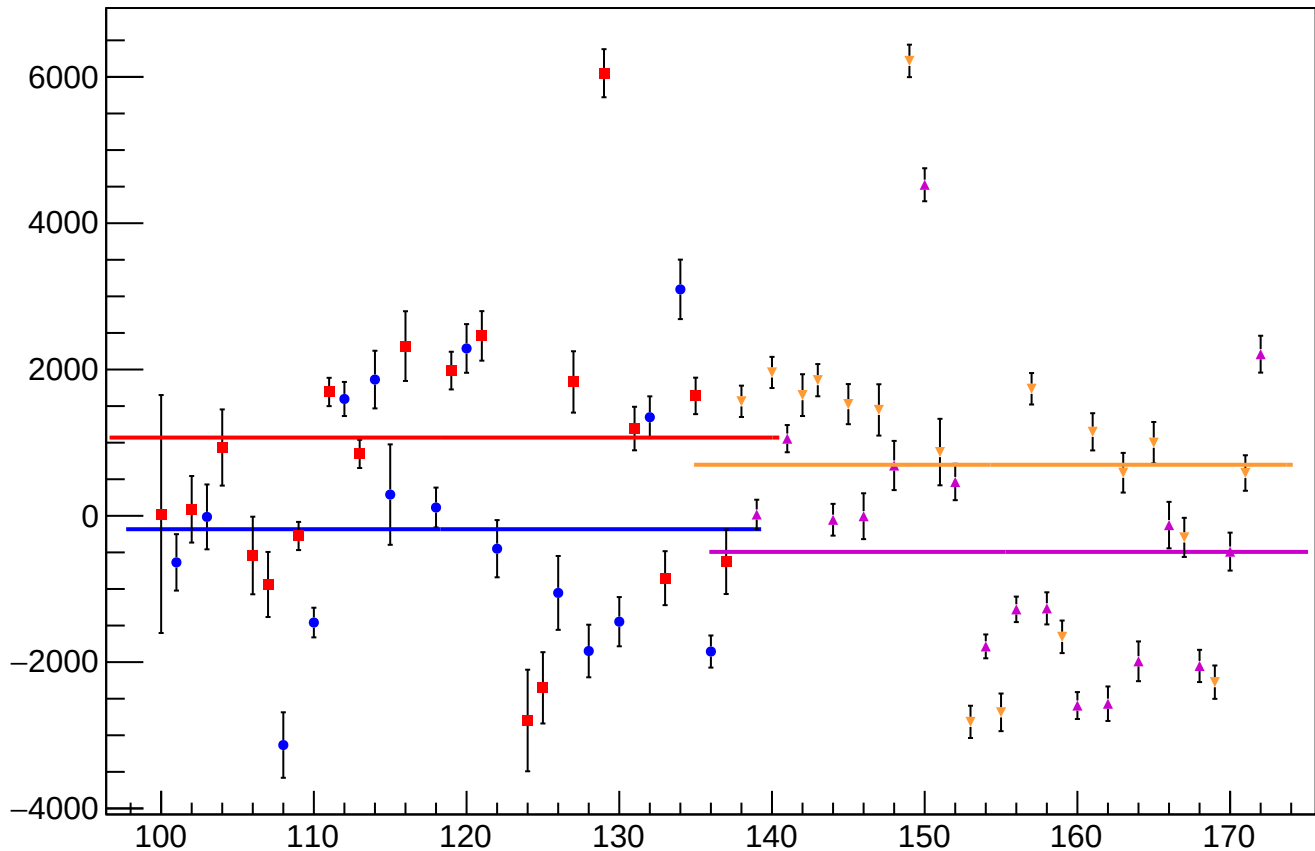
Left In: 983.567 $\pm$ 0.214 χ^2 /NDF: 2962935.3/16

+ sign 618.415 $\pm$ 0.120 χ^2 /NDF: 10937816.3/33

All: 649.519 $\pm$ 0.088 χ^2 /NDF: 20810962.3/69

- sign 686.298 $\pm$ 0.131 χ^2 /NDF: 9726566.7/35

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

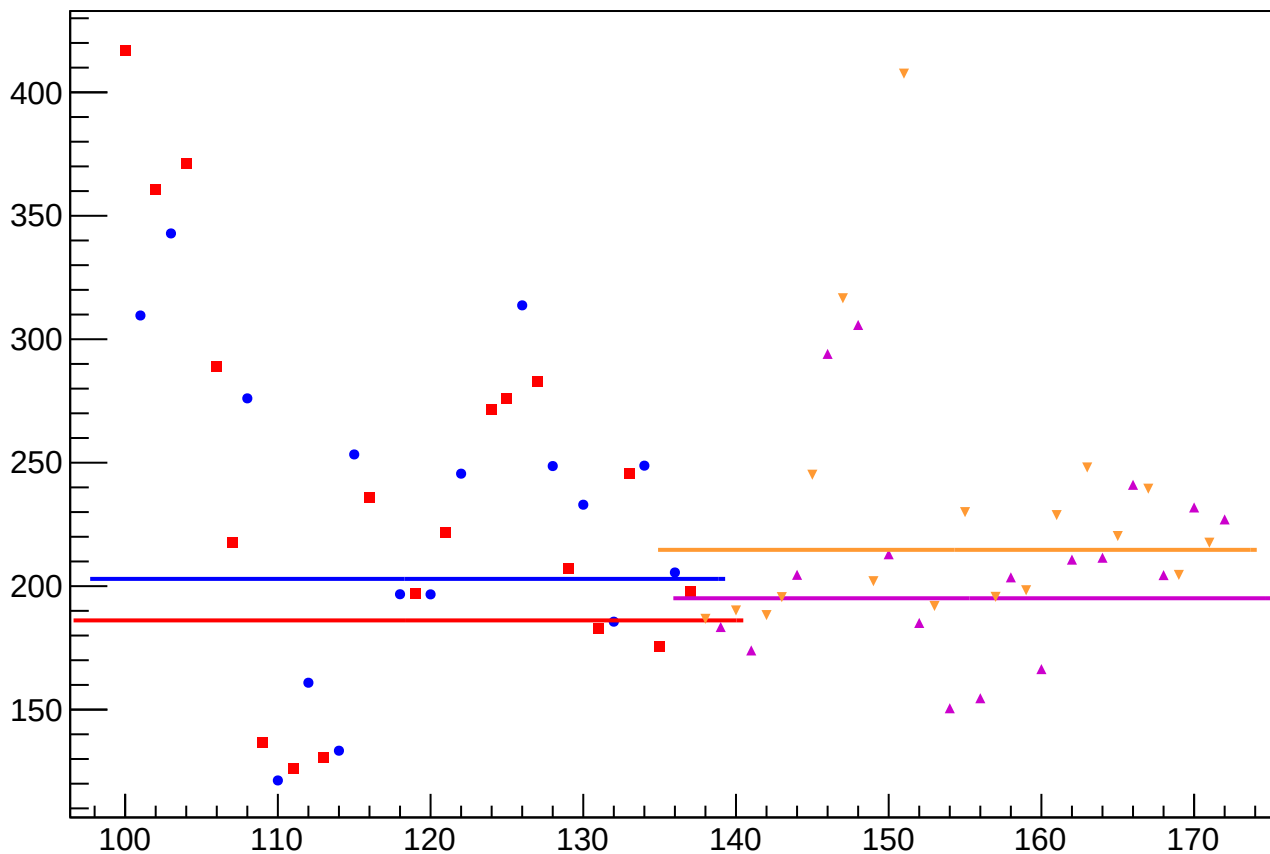
Left In: -493.195 ± 53.999 χ^2/NDF : 1104.3/16

+ sign 390.699 ± 47.173 χ^2/NDF : 1970.6/33

All: 211.125 ± 31.949 χ^2/NDF : 3889.8/69

- sign 58.952 ± 43.425 χ^2/NDF : 1892.5/35

asym_bpm0l04WS_rms vs Slug



Right In: 202.941 $\pm$ 0.056 χ^2 /NDF: 1071859.2/15

Left Out: 214.706 $\pm$ 0.041 χ^2 /NDF: 766424.0/17

Right Out: 186.129 $\pm$ 0.052 χ^2 /NDF: 1481664.4/18

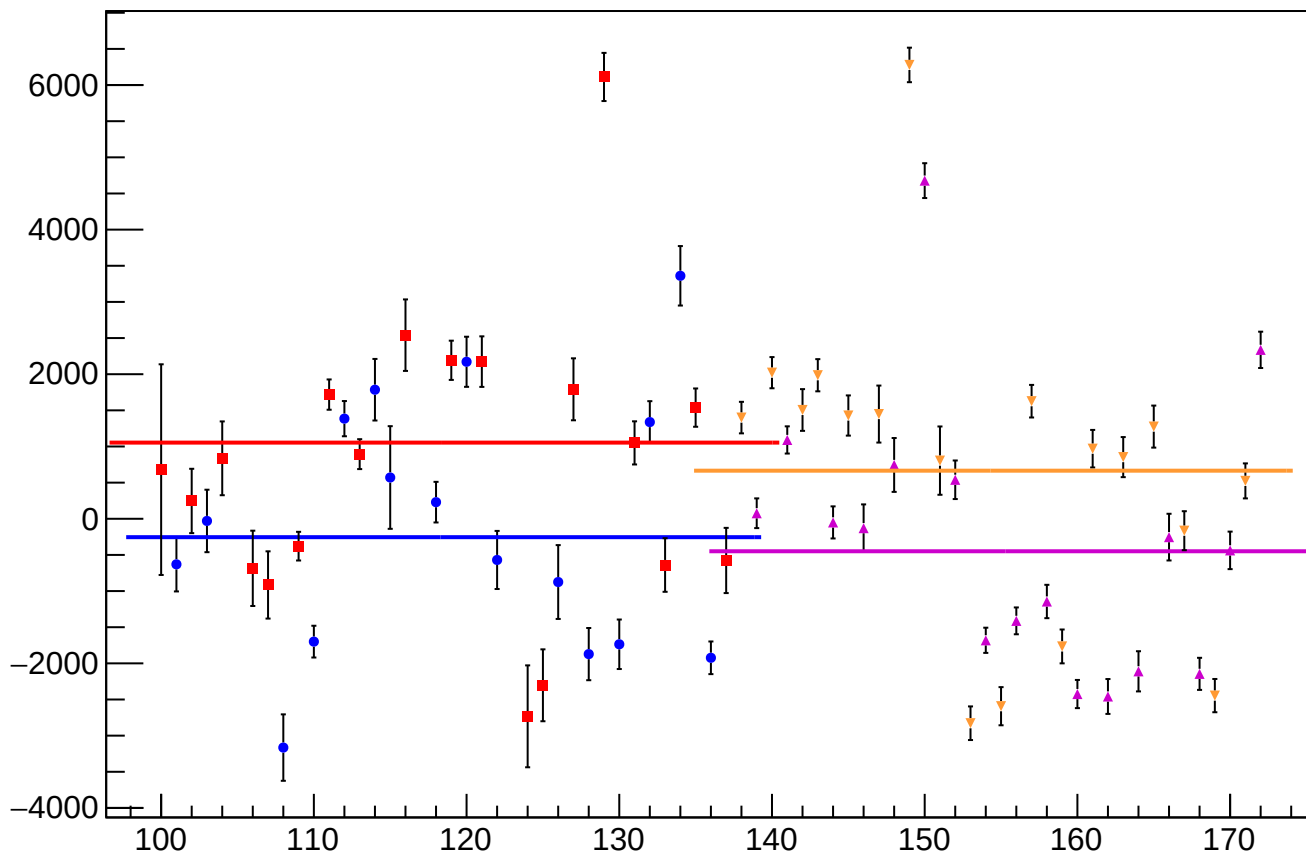
Left In: 195.098 $\pm$ 0.038 χ^2 /NDF: 910969.0/16

+ sign 210.601 $\pm$ 0.033 χ^2 /NDF: 1866539.7/33

All: 200.494 $\pm$ 0.023 χ^2 /NDF: 4448277.4/69

- sign 191.929 $\pm$ 0.031 χ^2 /NDF: 2412124.5/35

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

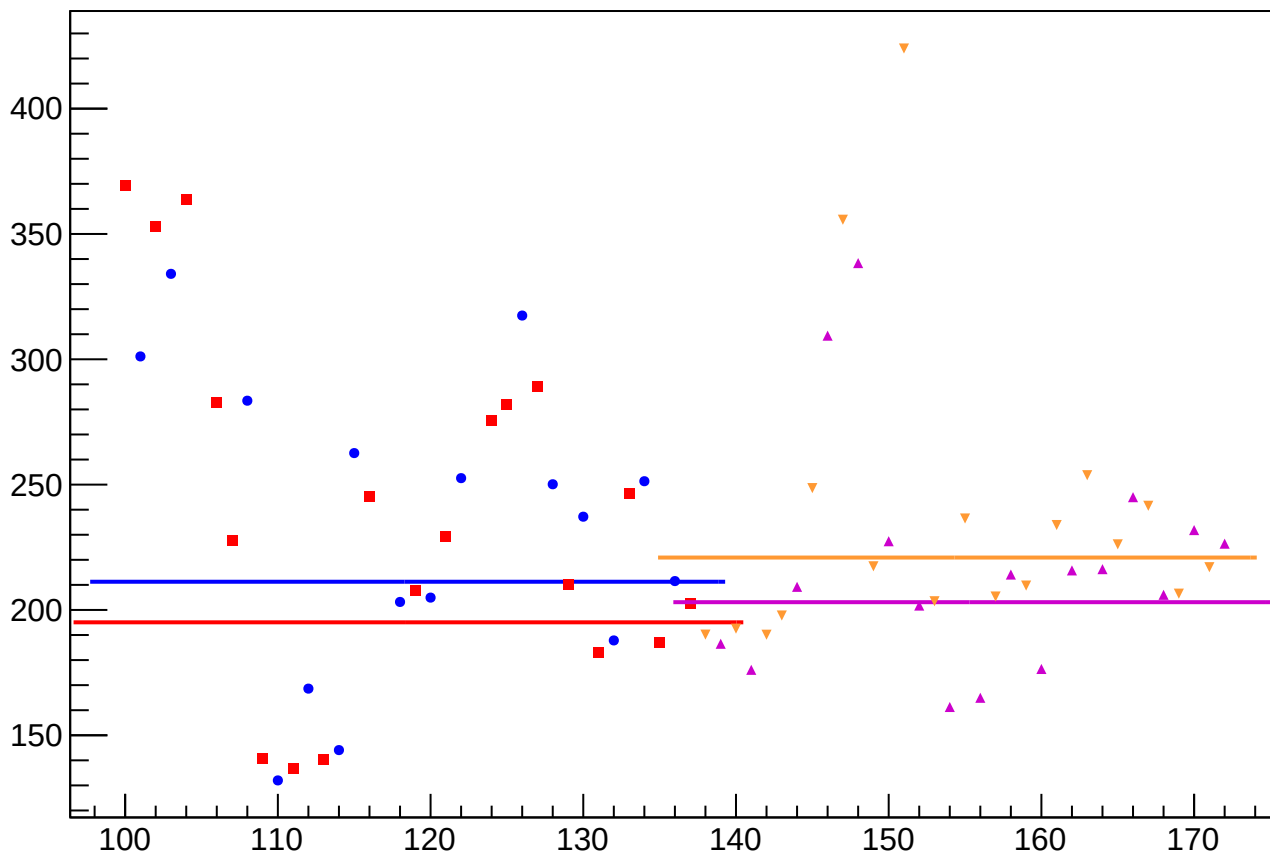
Left In: -449.348 ± 56.100 χ^2/NDF : 1030.0/16

+ sign 345.926 ± 48.610 χ^2/NDF : 1852.1/33

All: 203.675 ± 33.073 χ^2/NDF : 3629.0/69

- sign 81.068 ± 45.129 χ^2/NDF : 1760.9/35

asym_bpm0l05WS_rms vs Slug



Right In: 211.254 $\pm$ 0.058 χ^2 /NDF: 884363.6/15

Left Out: 220.906 $\pm$ 0.043 χ^2 /NDF: 828405.5/17

Right Out: 195.061 $\pm$ 0.054 χ^2 /NDF: 1284879.9/18

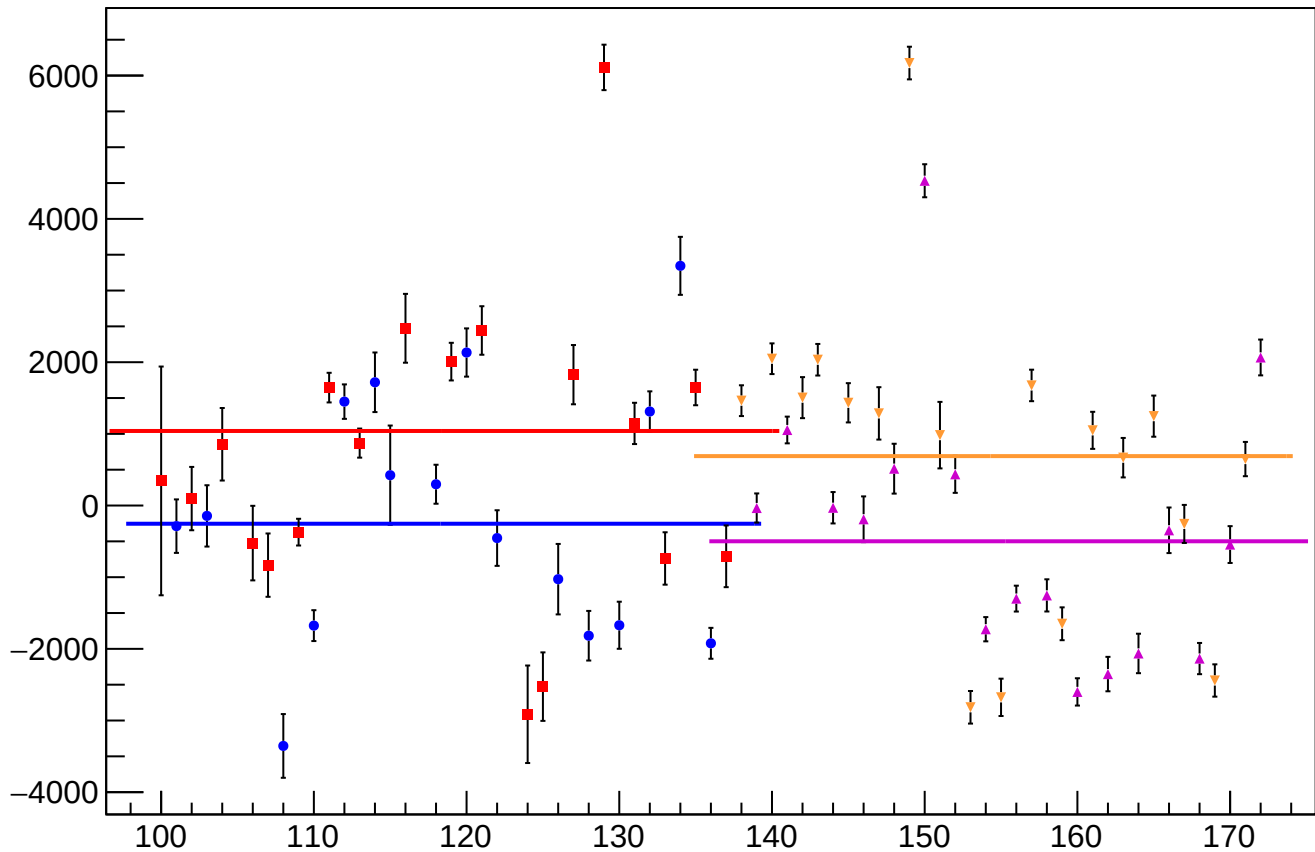
Left In: 203.097 $\pm$ 0.040 χ^2 /NDF: 876611.2/16

+ sign 217.554 $\pm$ 0.034 χ^2 /NDF: 1730645.5/33

All: 208.267 $\pm$ 0.023 χ^2 /NDF: 4042560.1/69

- sign 200.261 $\pm$ 0.032 χ^2 /NDF: 2175973.5/35

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

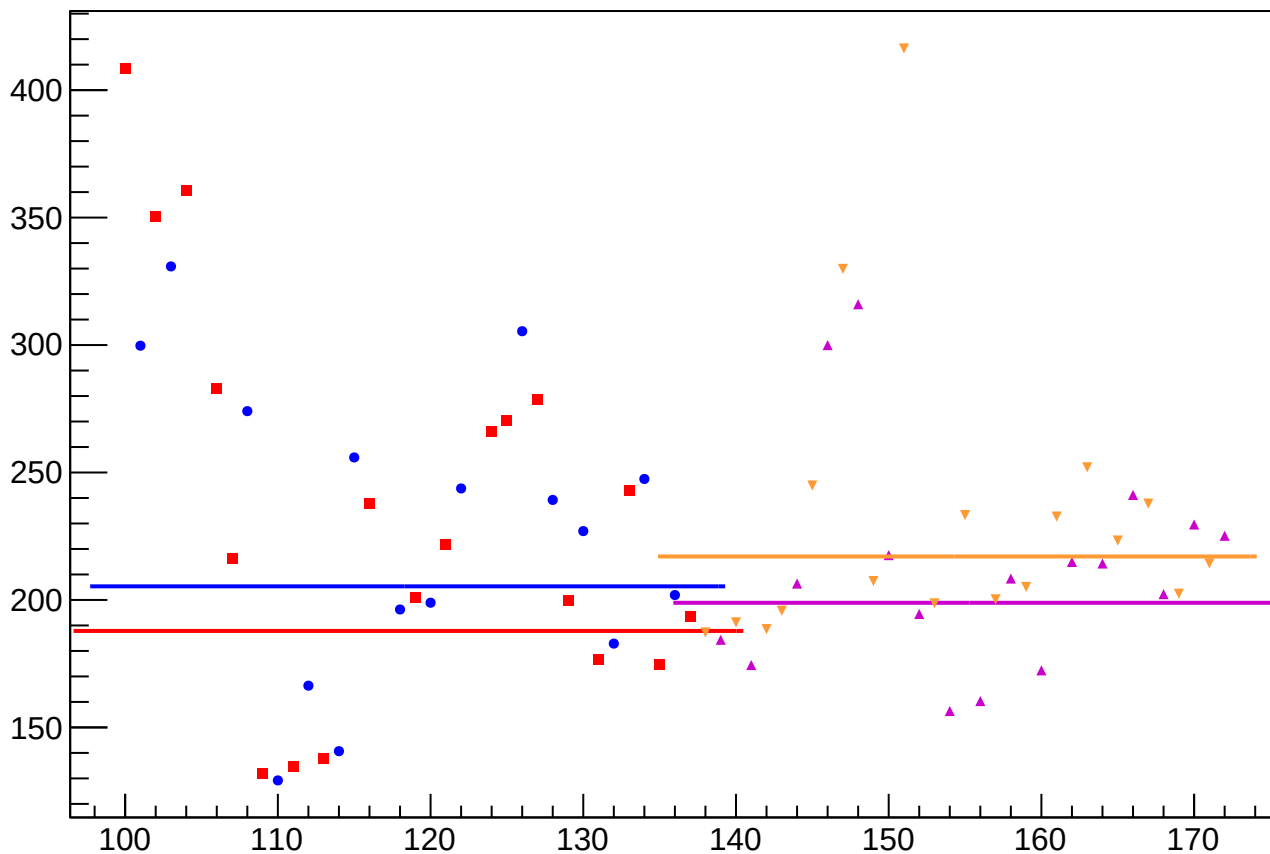
Left In: -498.909 ± 54.945 χ^2/NDF : 1036.9/16

+ sign 357.676 ± 47.578 χ^2/NDF : 1950.4/33

All: 194.045 ± 32.295 χ^2/NDF : 3824.6/69

- sign 54.235 ± 43.978 χ^2/NDF : 1852.3/35

asym_bpm0l06WS_rms vs Slug



Right In: 205.341 $\pm$ 0.057 χ^2 /NDF: 877398.6/15

Left Out: 217.056 $\pm$ 0.042 χ^2 /NDF: 788854.1/17

Right Out: 187.848 $\pm$ 0.052 χ^2 /NDF: 1337049.4/18

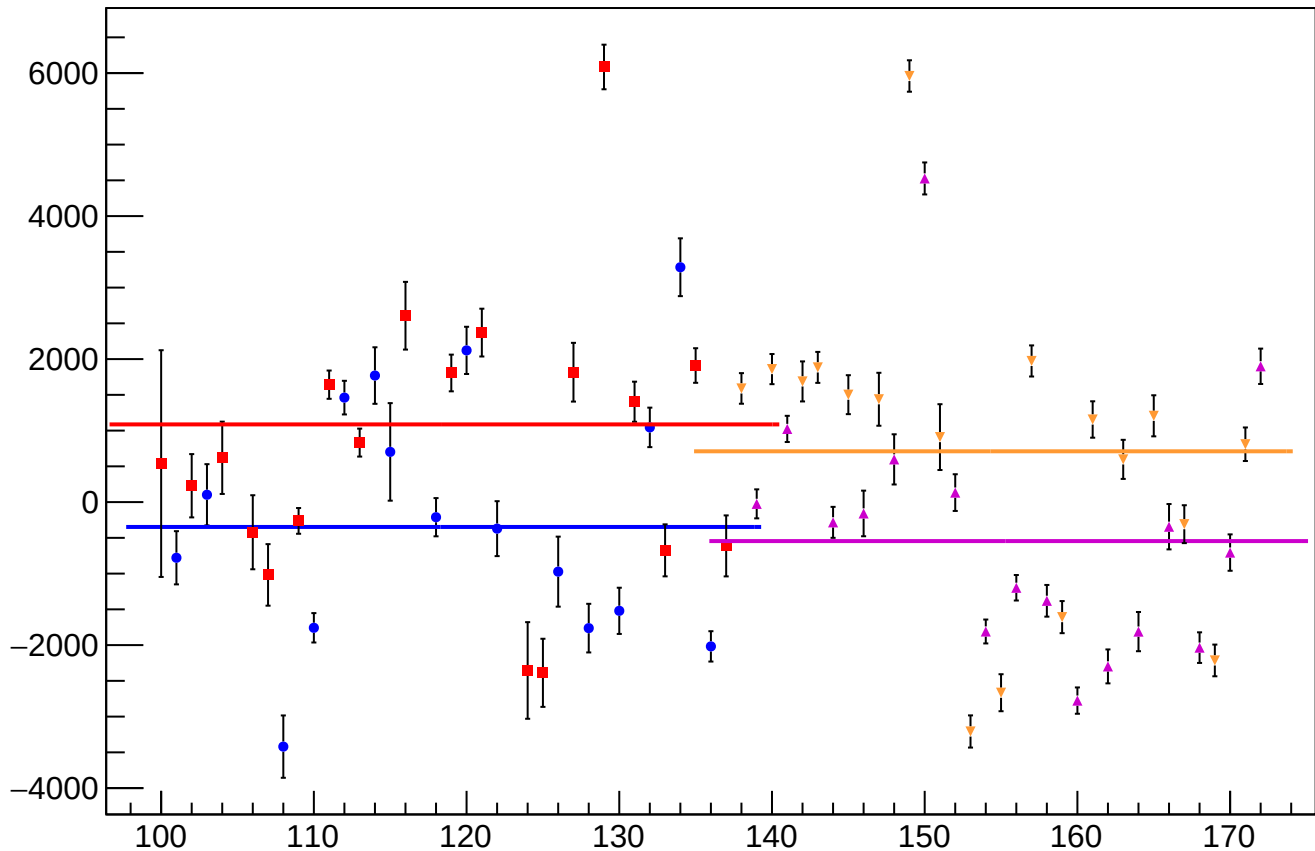
Left In: 198.890 $\pm$ 0.039 χ^2 /NDF: 849176.8/16

+ sign 212.936 $\pm$ 0.034 χ^2 /NDF: 1693900.9/33

All: 203.222 $\pm$ 0.023 χ^2 /NDF: 4063751.2/69

- sign 194.922 $\pm$ 0.031 χ^2 /NDF: 2215252.7/35

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

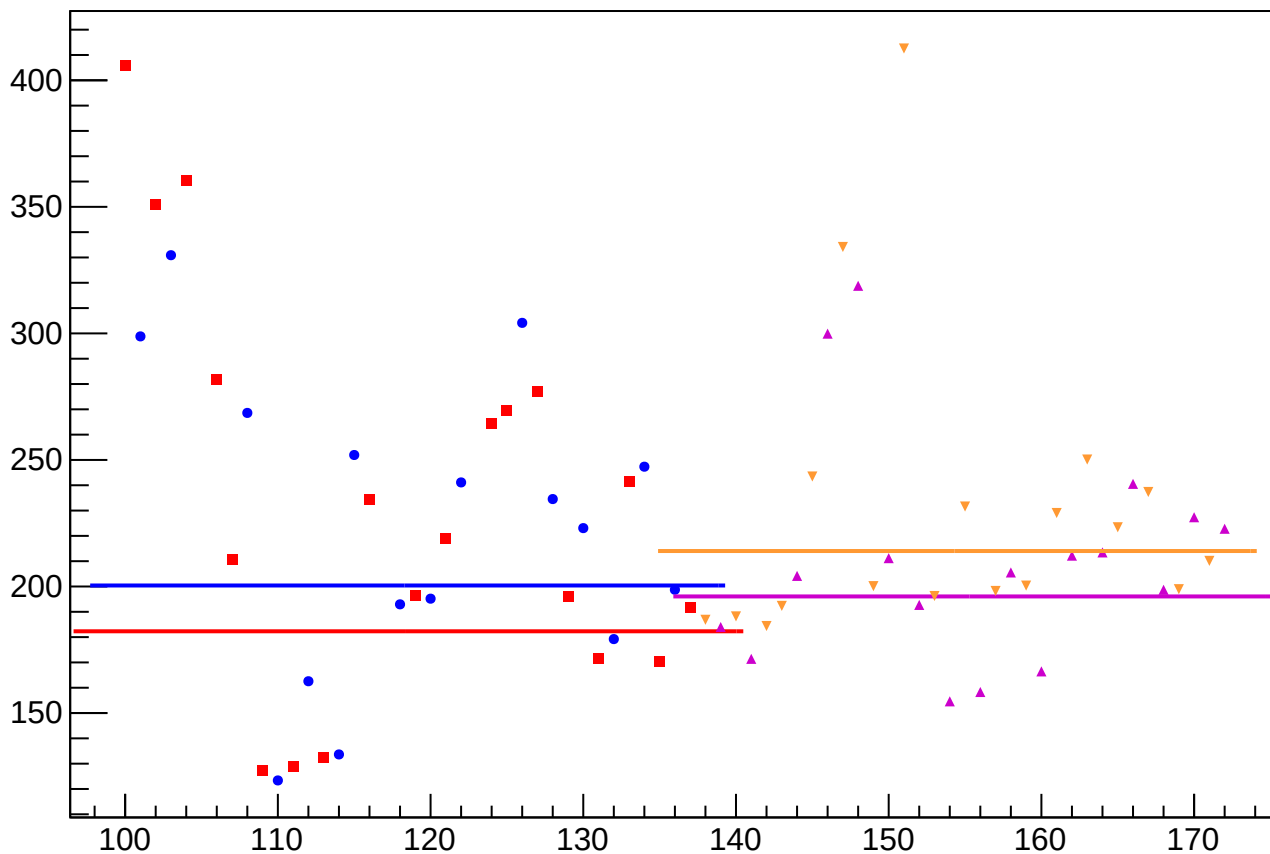
Left In: -545.210 ± 54.218 χ^2/NDF : 1068.5/16

+ sign 334.497 ± 46.833 χ^2/NDF : 2042.2/33

All: 180.902 ± 31.758 χ^2/NDF : 3988.3/69

- sign 50.145 ± 43.211 χ^2/NDF : 1926.2/35

asym_bpm0l07WS_rms vs Slug



Right In: 200.399 $\pm$ 0.056 χ^2 /NDF: 959000.8/15

Left Out: 214.016 $\pm$ 0.041 χ^2 /NDF: 827808.6/17

Right Out: 182.302 $\pm$ 0.051 χ^2 /NDF: 1447197.0/18

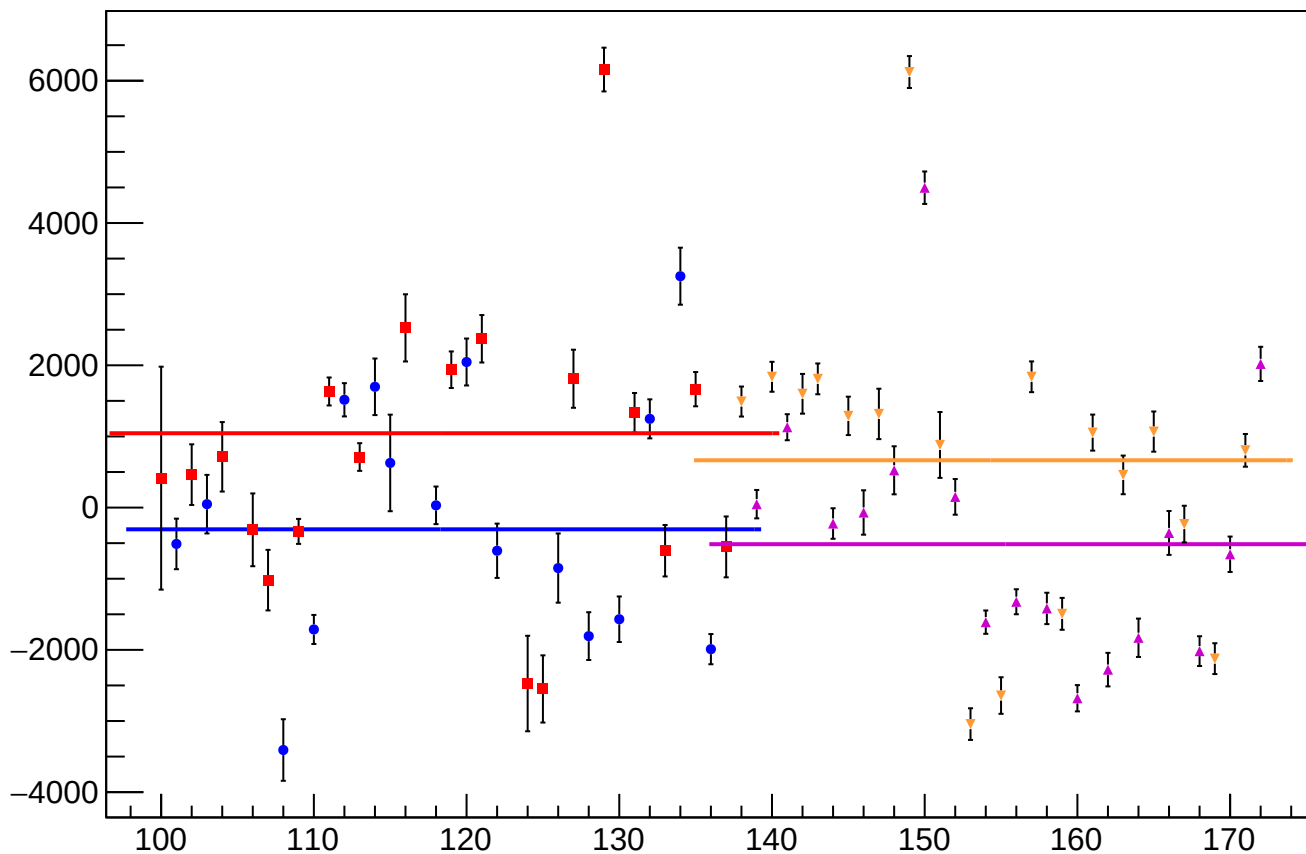
Left In: 196.074 $\pm$ 0.038 χ^2 /NDF: 890556.7/16

+ sign 209.177 $\pm$ 0.033 χ^2 /NDF: 1825540.4/33

All: 199.385 $\pm$ 0.022 χ^2 /NDF: 4372243.7/69

- sign 191.049 $\pm$ 0.031 χ^2 /NDF: 2384834.8/35

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

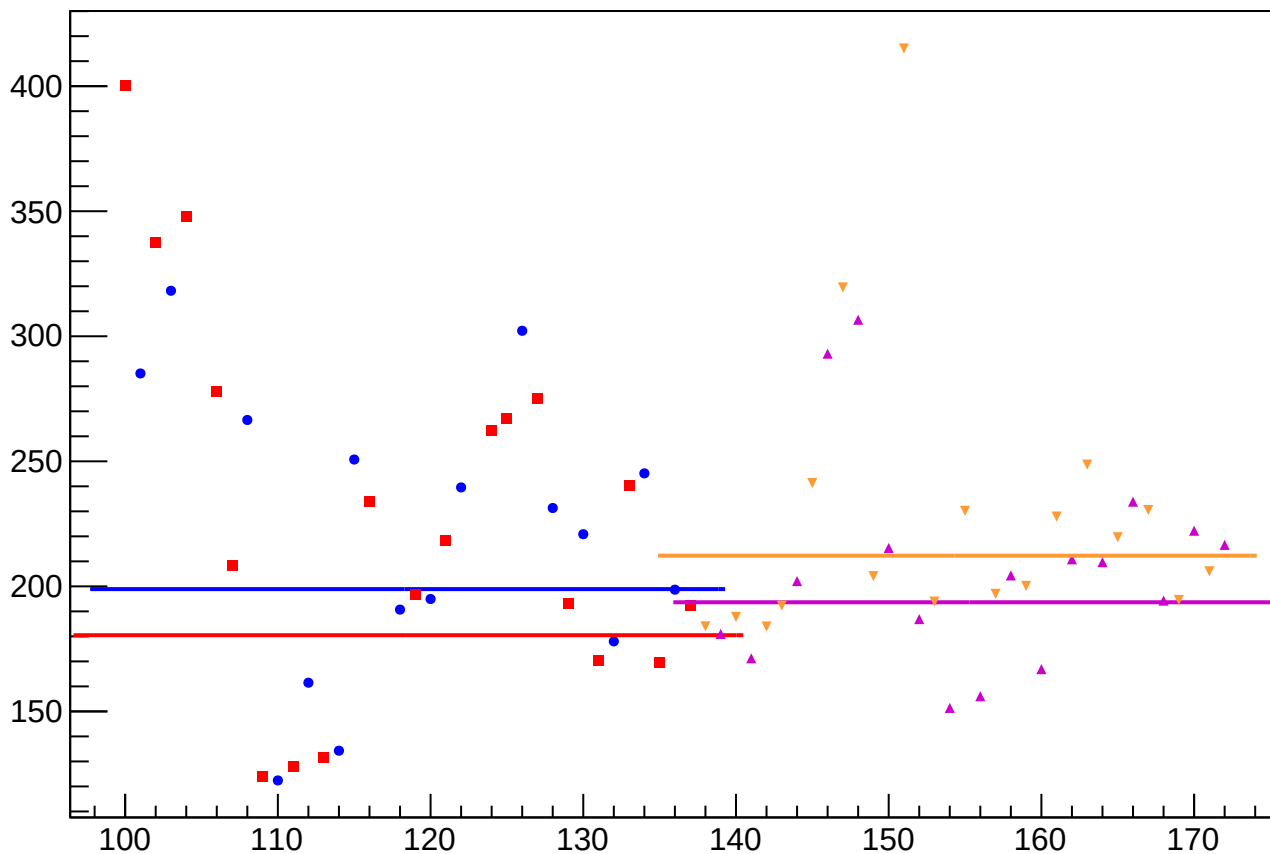
Left In: -514.436 ± 53.541 χ^2/NDF : 1054.6/16

+ sign 320.101 ± 46.427 χ^2/NDF : 1986.8/33

All: 175.288 ± 31.433 χ^2/NDF : 3920.0/69

- sign 52.734 ± 42.710 χ^2/NDF : 1915.3/35

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

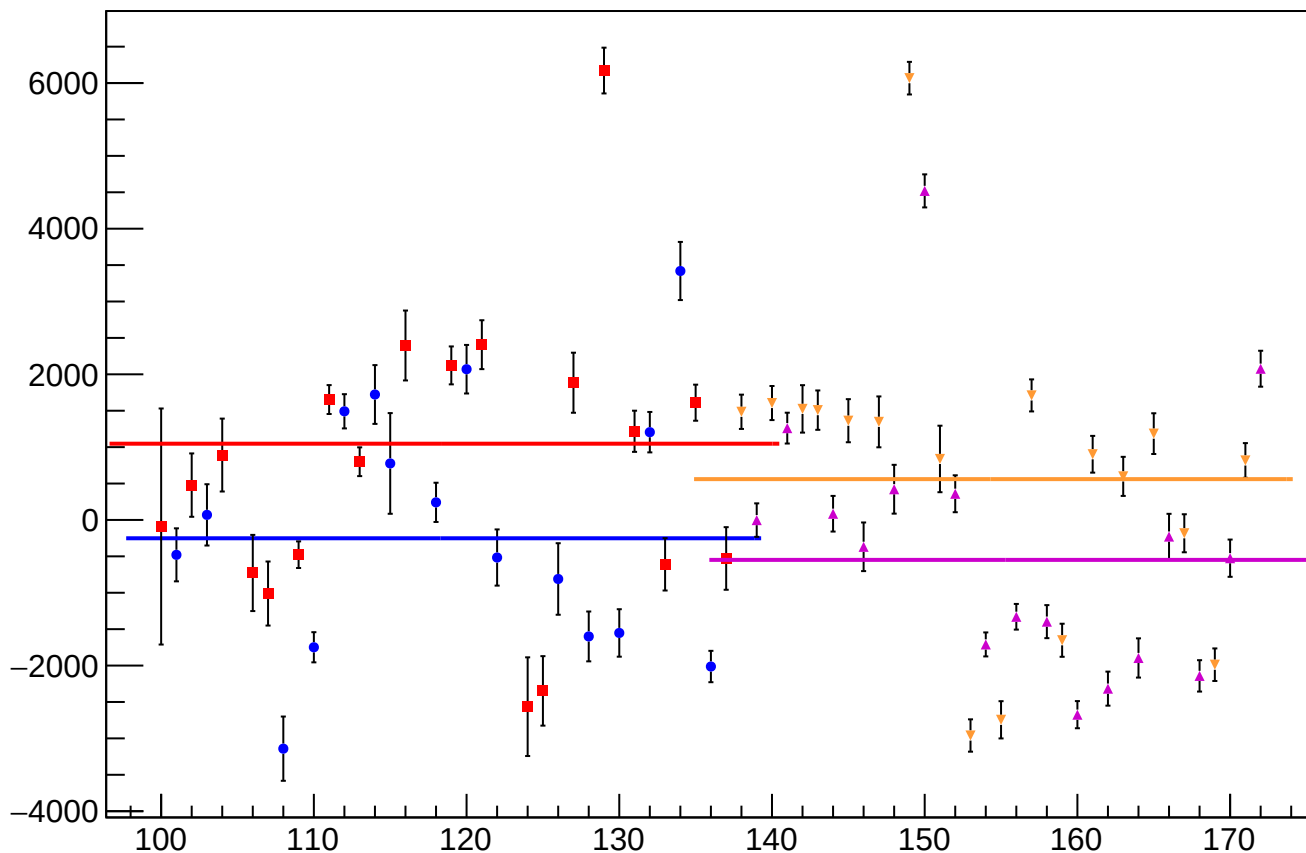
Left In: 193.646+/-0.038 χ^2/NDF : 854700.4/16

+ sign 207.520+/-0.033 χ^2/NDF : 1753321.1/33

All: 197.411+/-0.022 χ^2/NDF : 4261558.0/69

- sign 188.855+/-0.030 χ^2/NDF : 2333167.5/35

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

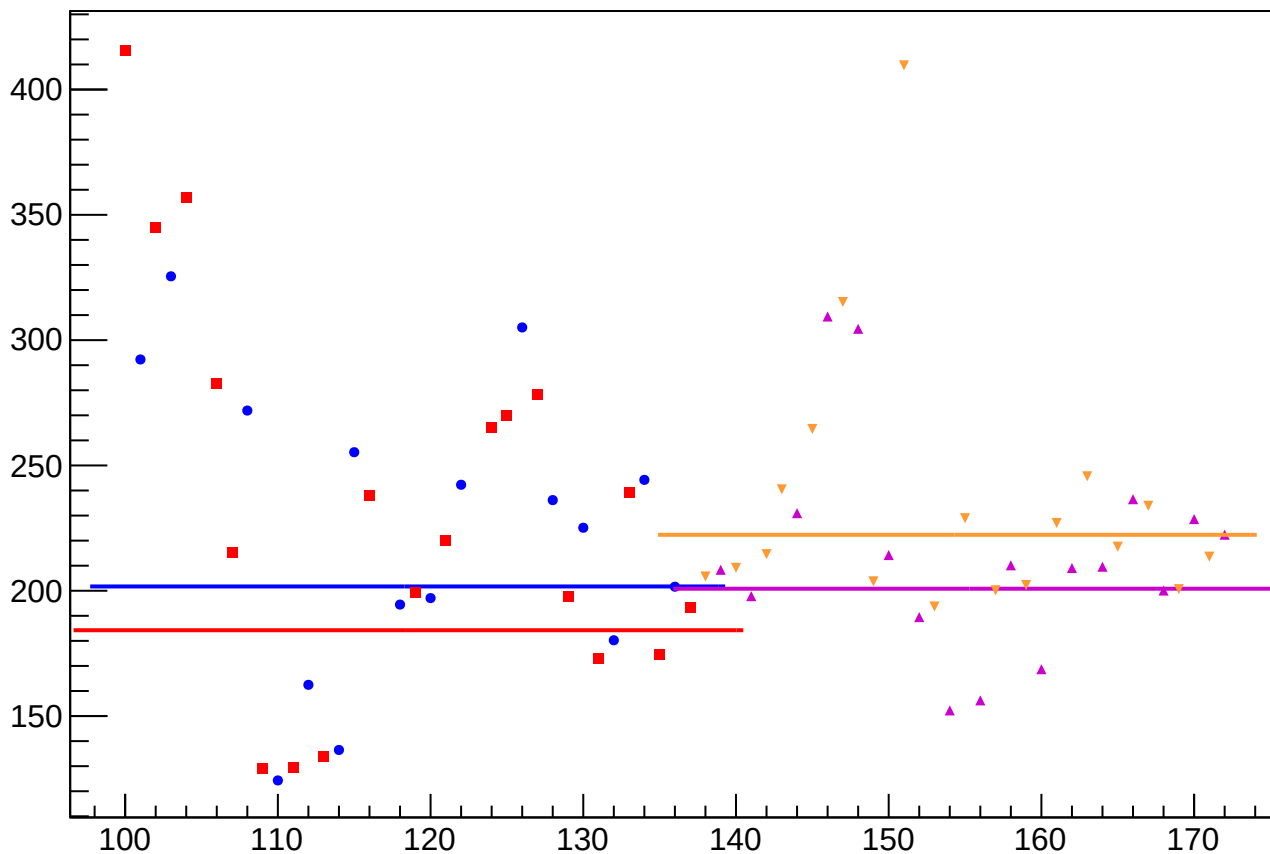
Left In: -548.565 ± 55.596 χ^2/NDF : 1069.4/16

+ sign 260.643 ± 47.983 χ^2/NDF : 1869.0/33

All: 143.888 ± 32.448 χ^2/NDF : 3802.7/69

- sign 45.500 ± 44.047 χ^2/NDF : 1922.8/35

asym_bpm0l09WS_rms vs Slug



Right In: 201.714 $\pm$ 0.056 χ^2 /NDF: 924210.1/15

Left Out: 222.323 $\pm$ 0.043 χ^2 /NDF: 671102.3/17

Right Out: 184.244 $\pm$ 0.051 χ^2 /NDF: 1403761.8/18

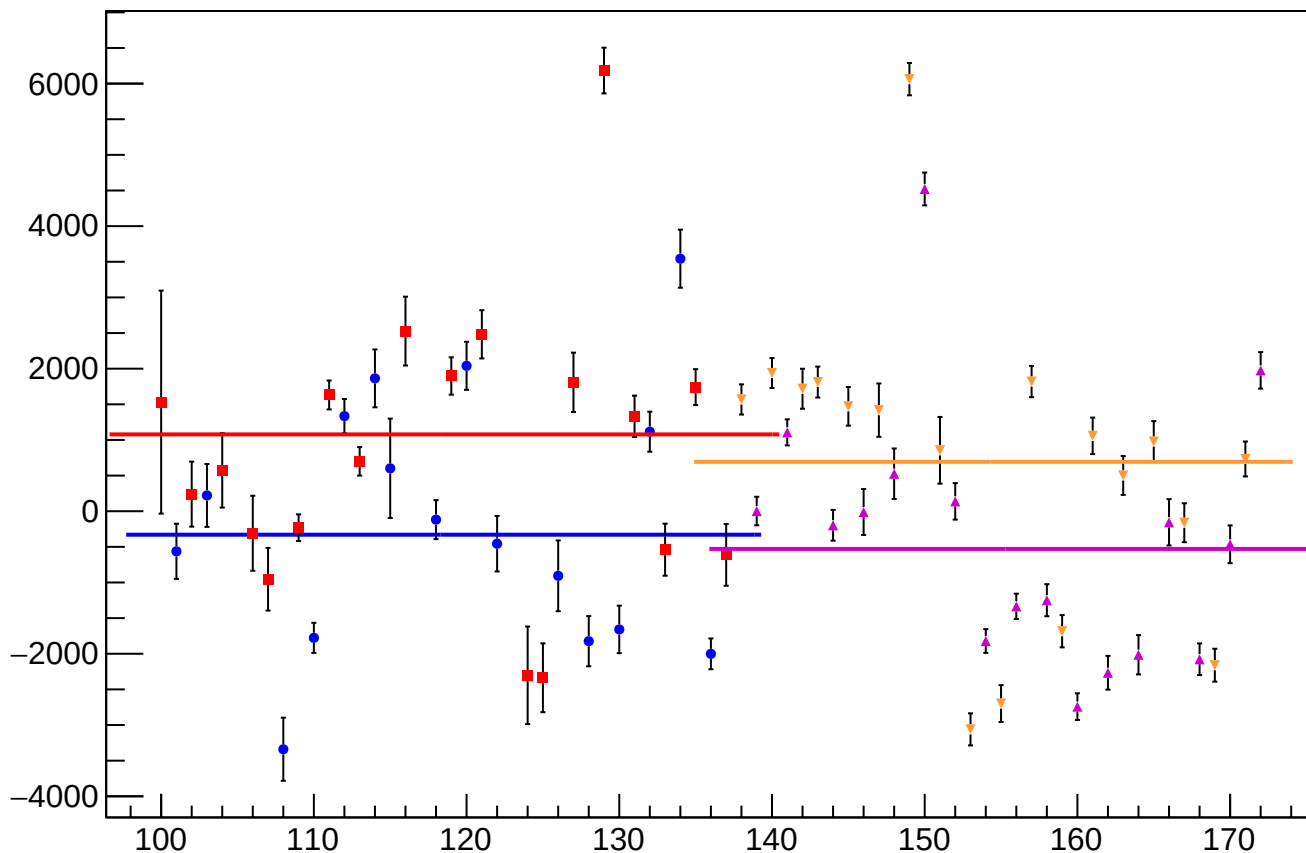
Left In: 200.812 $\pm$ 0.039 χ^2 /NDF: 880916.5/16

+ sign 214.715 $\pm$ 0.034 χ^2 /NDF: 1681237.1/33

All: 203.823 $\pm$ 0.023 χ^2 /NDF: 4221957.1/69

- sign 194.644 $\pm$ 0.031 χ^2 /NDF: 2350802.7/35

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

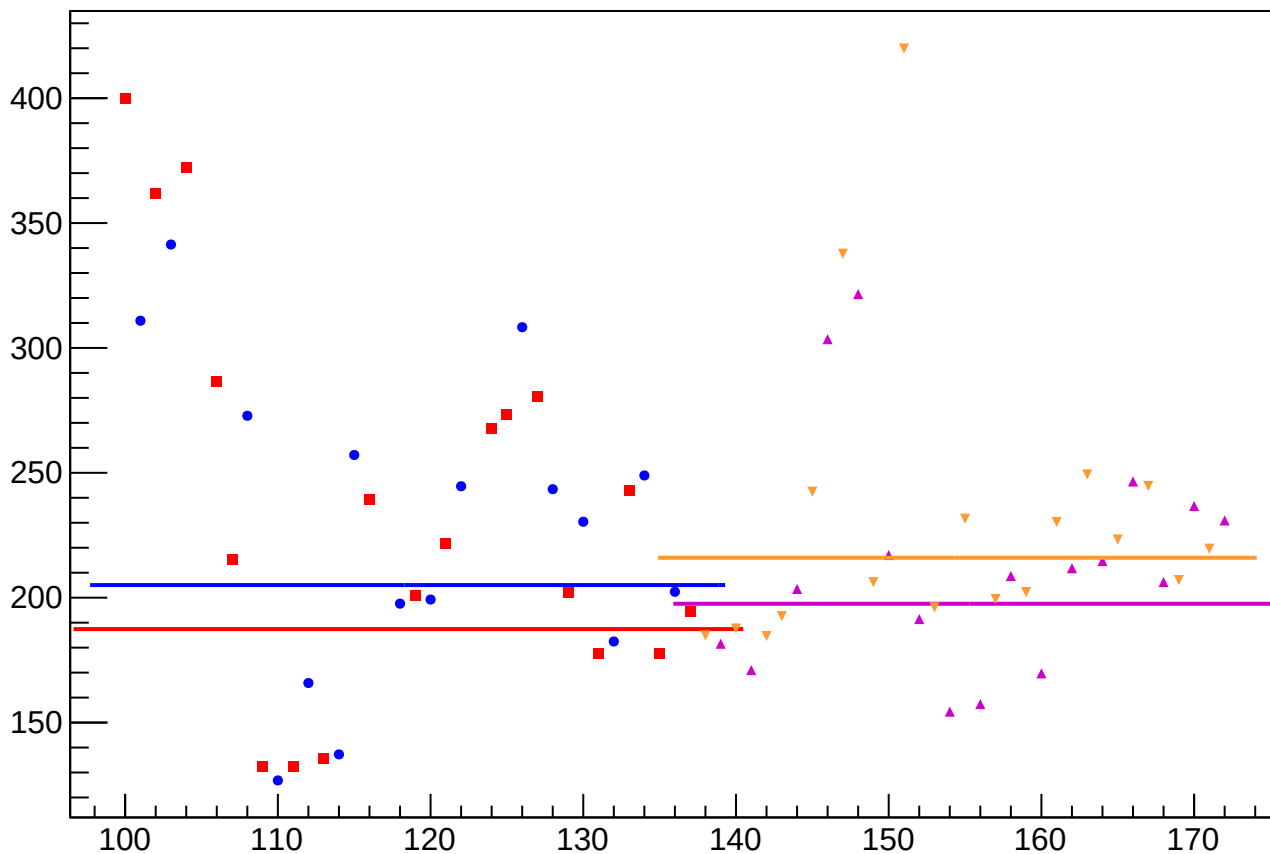
Left In: -528.977 ± 54.720 χ^2/NDF : 1048.0/16

+ sign 335.887 ± 47.506 χ^2/NDF : 1960.1/33

All: 178.891 ± 32.230 χ^2/NDF : 3838.3/69

- sign 45.000 ± 43.871 χ^2/NDF : 1858.0/35

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

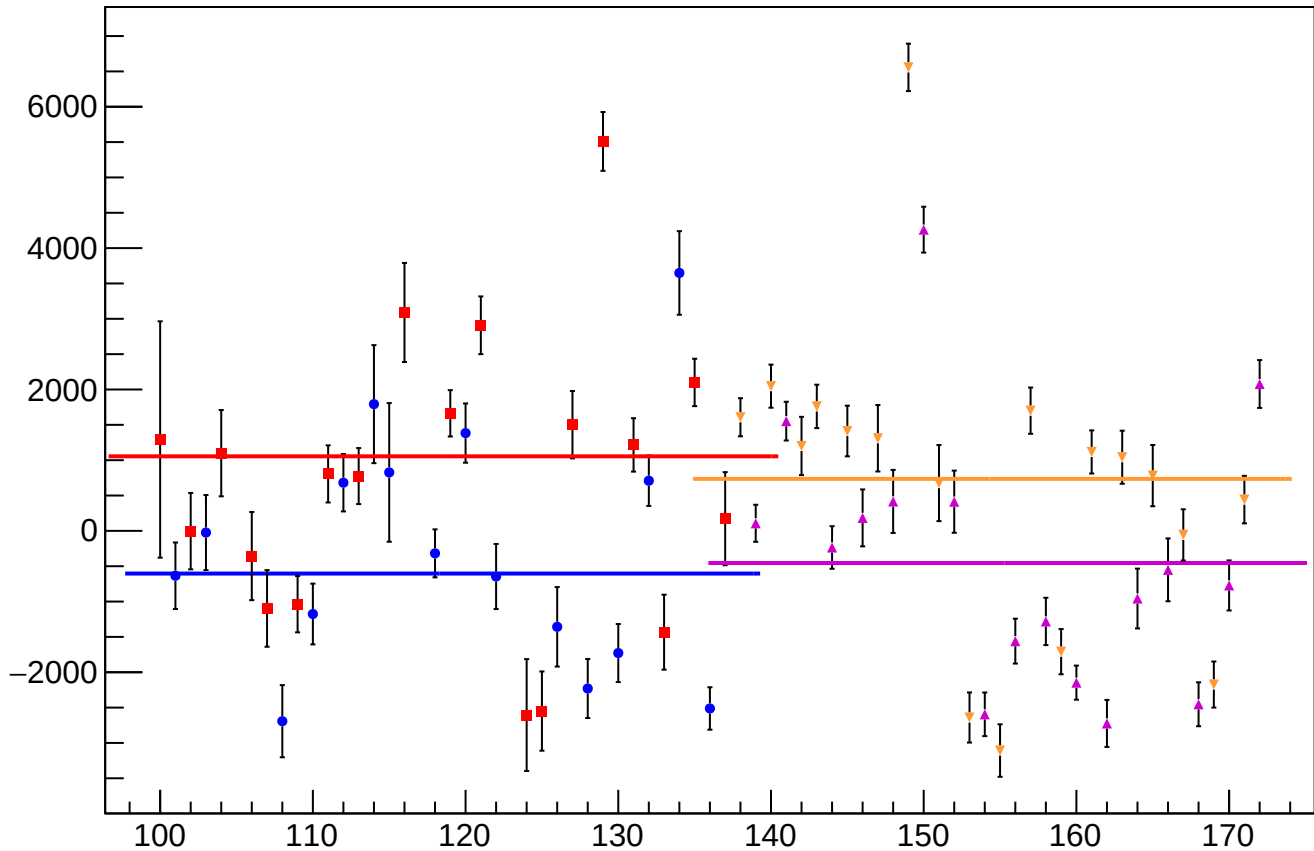
Left In: 197.573+/-0.039 χ^2/NDF :958554.9/16

+ sign 212.175+/-0.034 χ^2/NDF : 1833313.6/33

All: 202.339+/-0.023 χ^2/NDF : 4386061.5/69

- sign 193.950+/-0.031 χ^2/NDF : 2393898.7/35

asym_bpm0r03WS_mean vs Slug



Right In: -603.855 ± 110.693 $\chi^2/\text{NDF}: 193.5/15$

Left Out: 735.688 ± 81.897 $\chi^2/\text{NDF}: 700.1/17$

Right Out: 1054.556 ± 108.264 $\chi^2/\text{NDF}: 297.7/18$

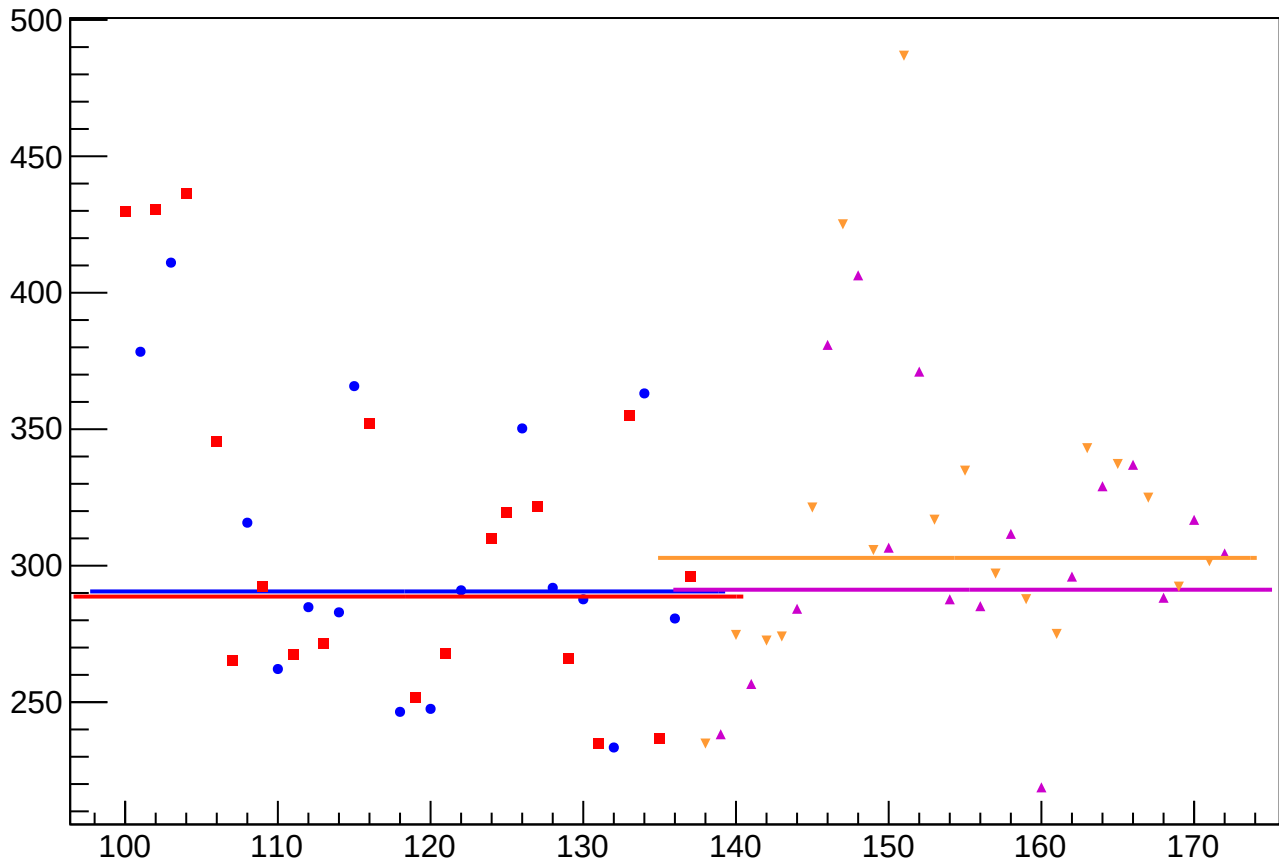
Left In: -454.584 ± 79.521 $\chi^2/\text{NDF}: 542.2/16$

+ sign 261.825 ± 65.837 $\chi^2/\text{NDF}: 988.3/33$

All: 165.534 ± 45.924 $\chi^2/\text{NDF}: 1958.5/69$

- sign 74.283 ± 64.090 $\chi^2/\text{NDF}: 966.1/35$

asym_bpm0r03WS_rms vs Slug



Right In: 290.566 $\pm$ 0.078 χ^2 /NDF: 359807.1/15

Left Out: 302.856 $\pm$ 0.058 χ^2 /NDF: 632295.3/17

Right Out: 288.686 $\pm$ 0.077 χ^2 /NDF: 489094.8/18

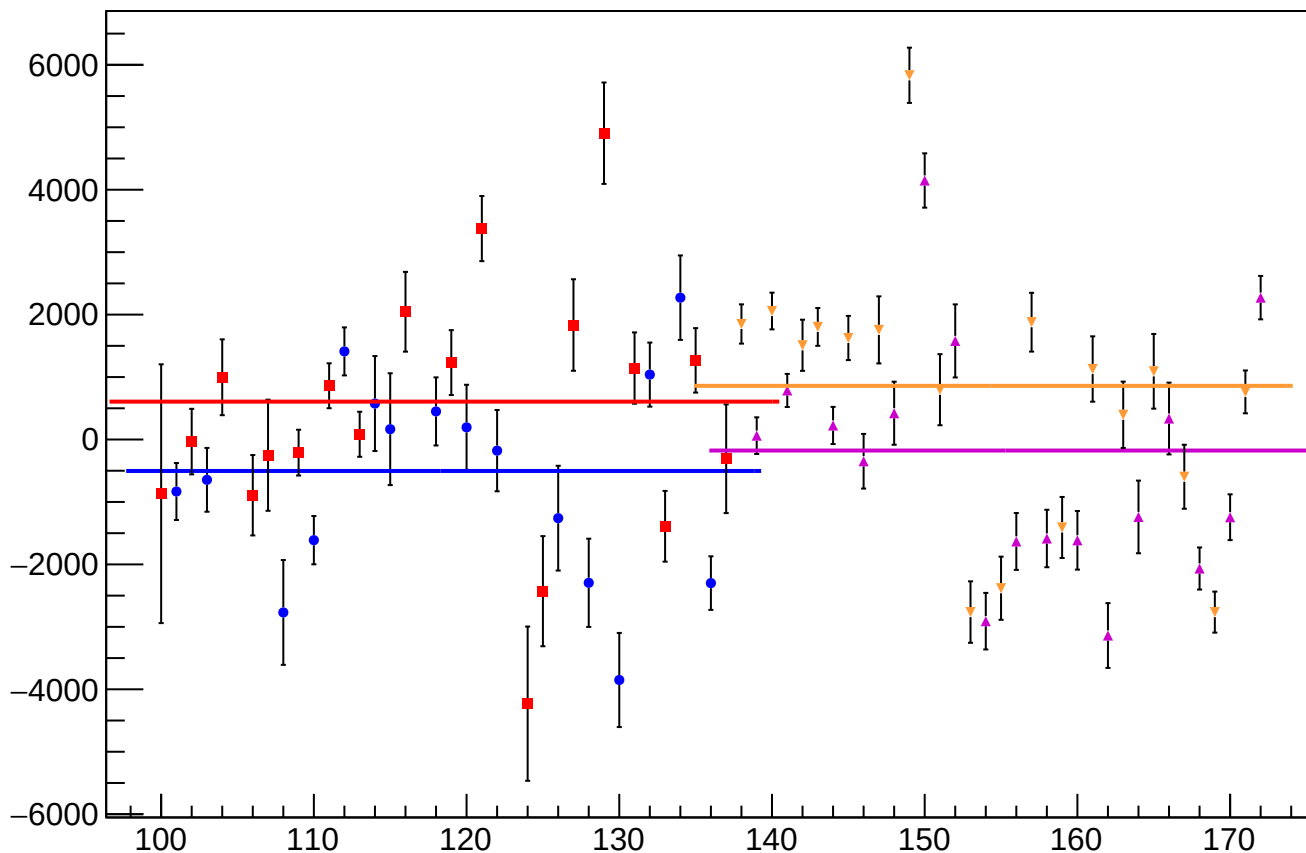
Left In: 291.196 $\pm$ 0.056 χ^2 /NDF: 658143.5/16

+ sign 298.508 $\pm$ 0.047 χ^2 /NDF: 1008034.4/33

All: 294.302 $\pm$ 0.032 χ^2 /NDF: 2171869.9/69

- sign 290.316 $\pm$ 0.045 χ^2 /NDF: 1147936.6/35

asym_bpm0r05WS_mean vs Slug



Right In: -503.675 ± 140.058 $\chi^2/\text{NDF}: 118.2/15$

Left Out: 859.589 ± 96.891 $\chi^2/\text{NDF}: 425.2/17$

Right Out: 606.880 ± 129.609 $\chi^2/\text{NDF}: 125.1/18$

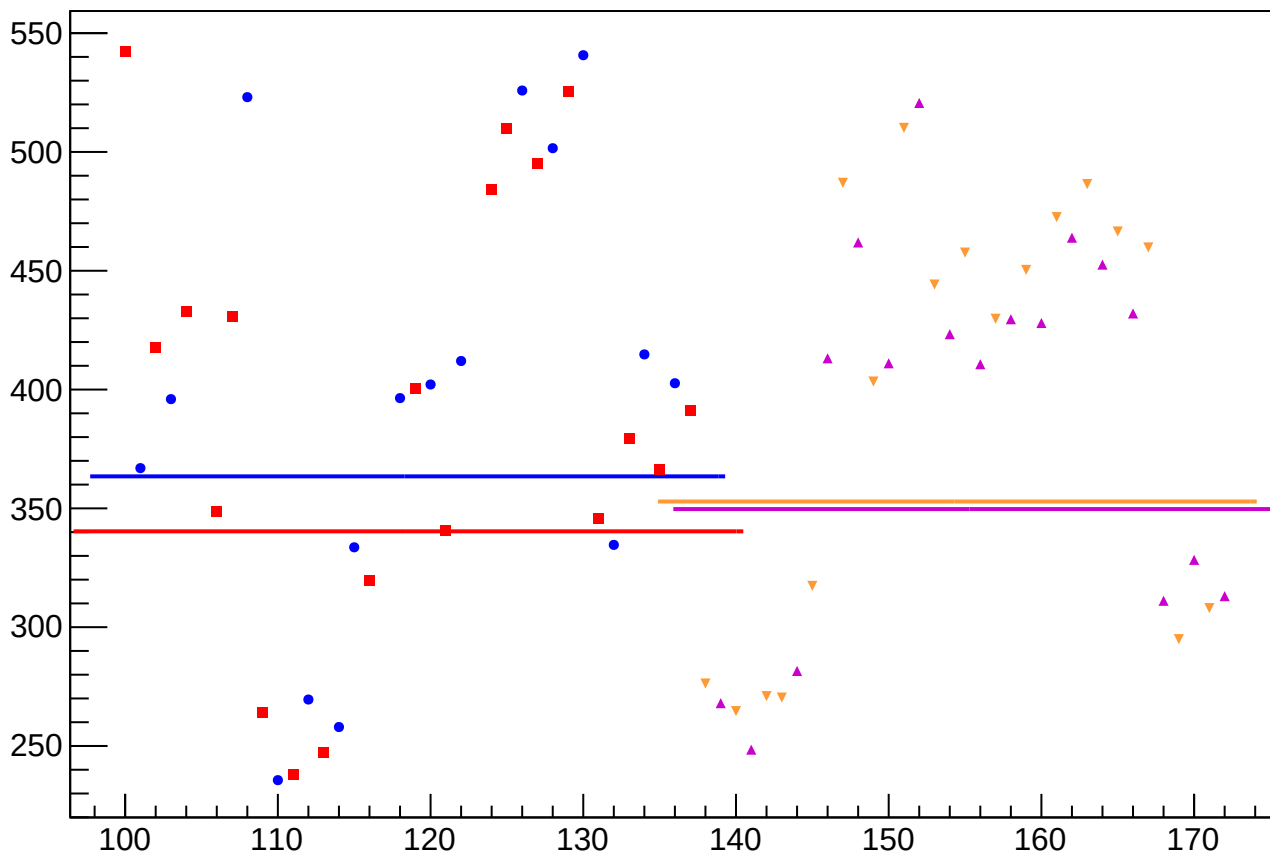
Left In: -176.435 ± 96.397 $\chi^2/\text{NDF}: 316.7/16$

+ sign 418.335 ± 79.682 $\chi^2/\text{NDF}: 607.5/33$

All: 255.750 ± 55.500 $\chi^2/\text{NDF}: 1080.9/69$

- sign 102.547 ± 77.349 $\chi^2/\text{NDF}: 465.3/35$

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

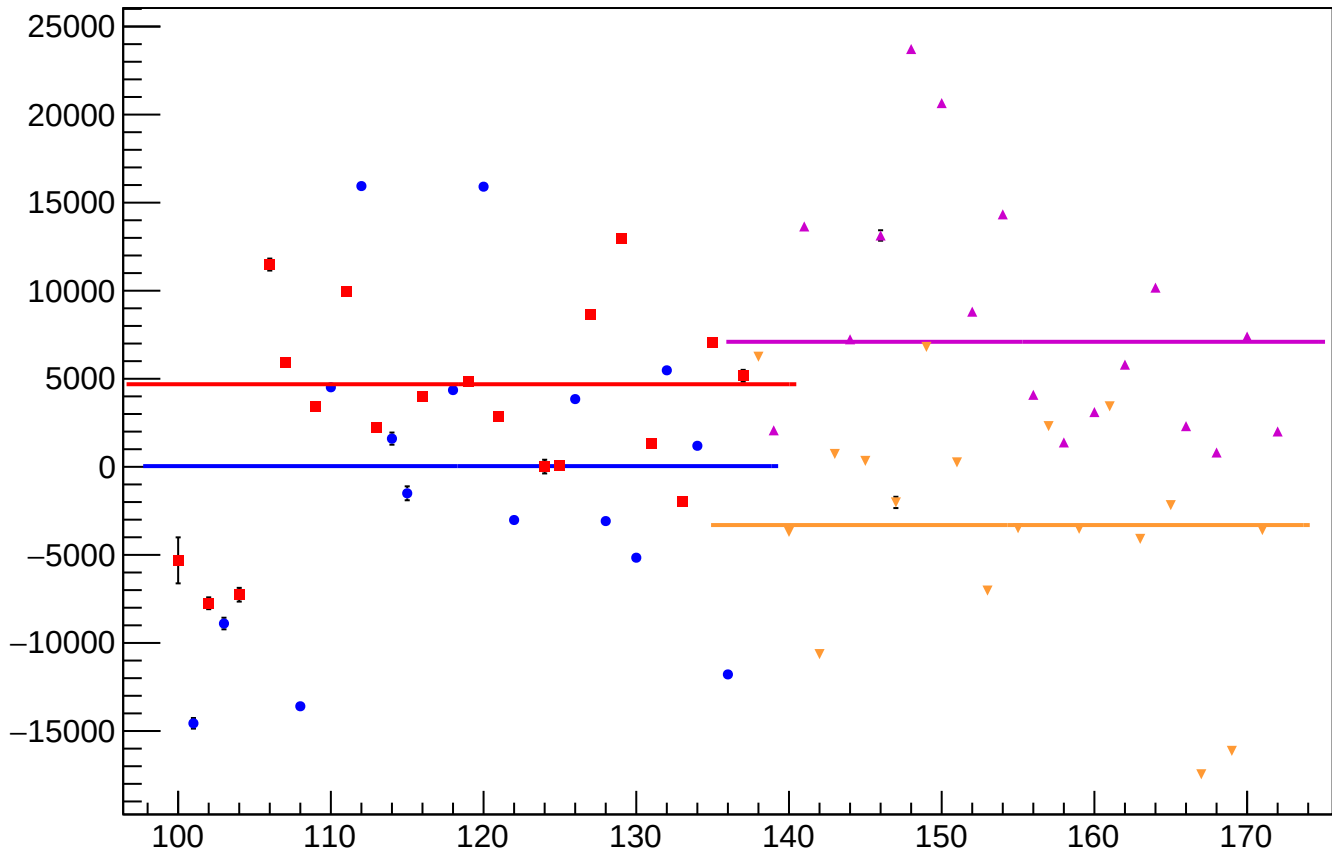
Left In: 349.706+/-0.068 χ^2/NDF :1362755.4/16

+ sign 356.310+/-0.056 χ^2/NDF : 2414116.9/33

All: 351.191+/-0.039 χ^2/NDF : 4655871.2/69

- sign 346.368+/-0.055 χ^2/NDF : 2225721.8/35

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

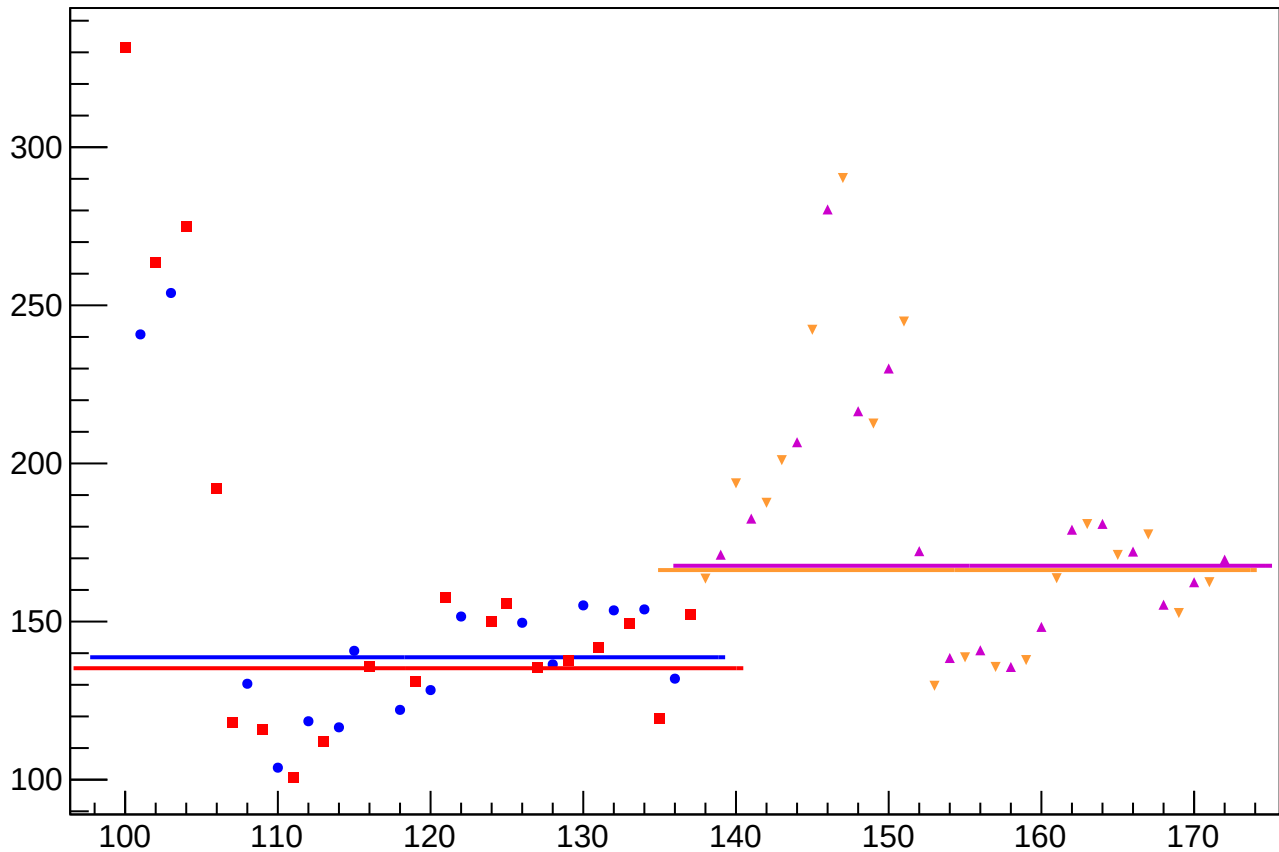
Left In: 7099.165+/-46.302 χ^2/NDF : 17608.5/16

+ sign -1922.497+/-34.848 χ^2/NDF : 53136.0/33

All: 2084.104+/-24.556 χ^2/NDF : 105992.4/69

- sign 6035.802+/-34.608 χ^2/NDF : 26599.2/35

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

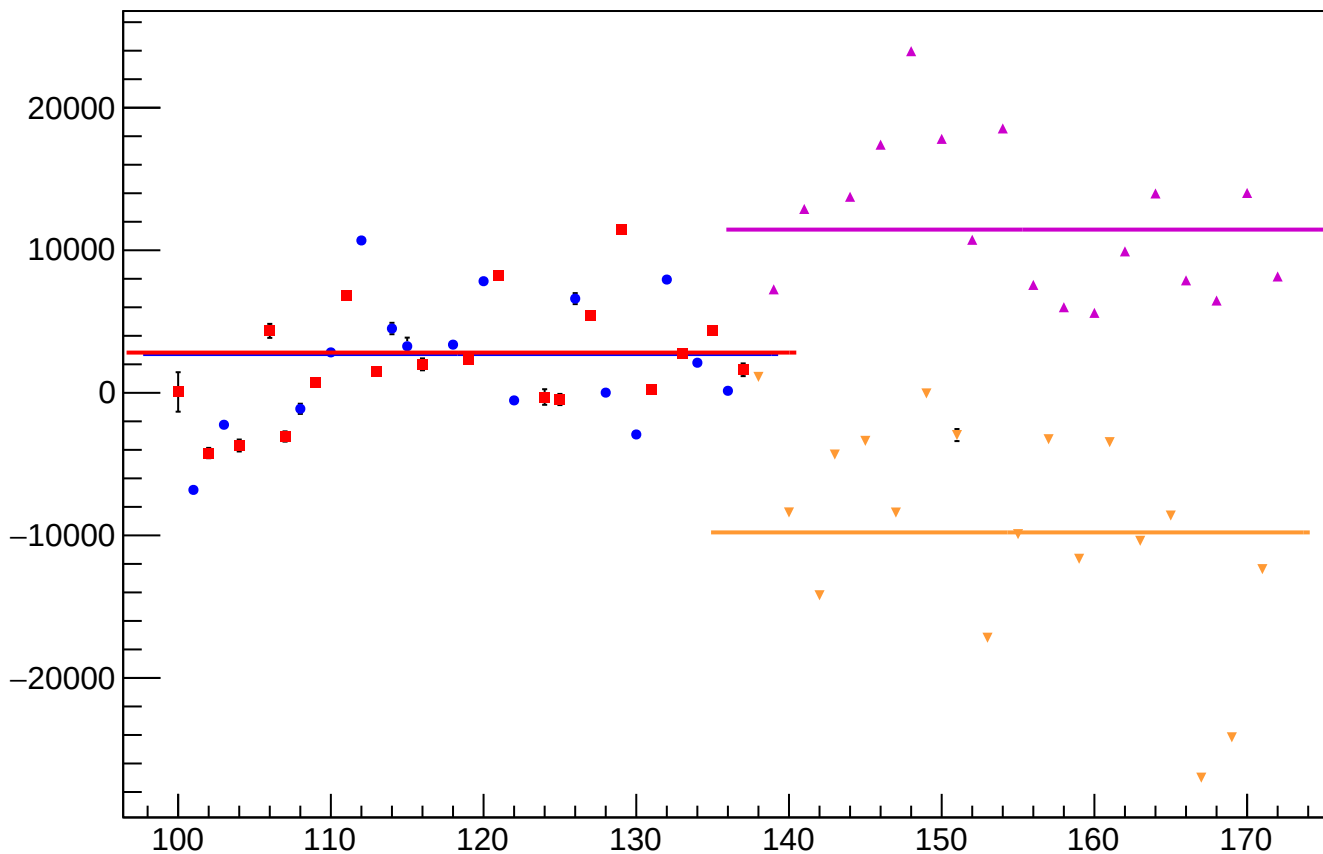
Left In: 167.647+/-0.033 χ^2/NDF :860364.4/16

+ sign 154.885+/-0.025 χ^2/NDF : 2119592.3/33

All: 154.111+/-0.017 χ^2/NDF : 4304201.2/69

- sign 153.347+/-0.024 χ^2/NDF : 2182649.0/35

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

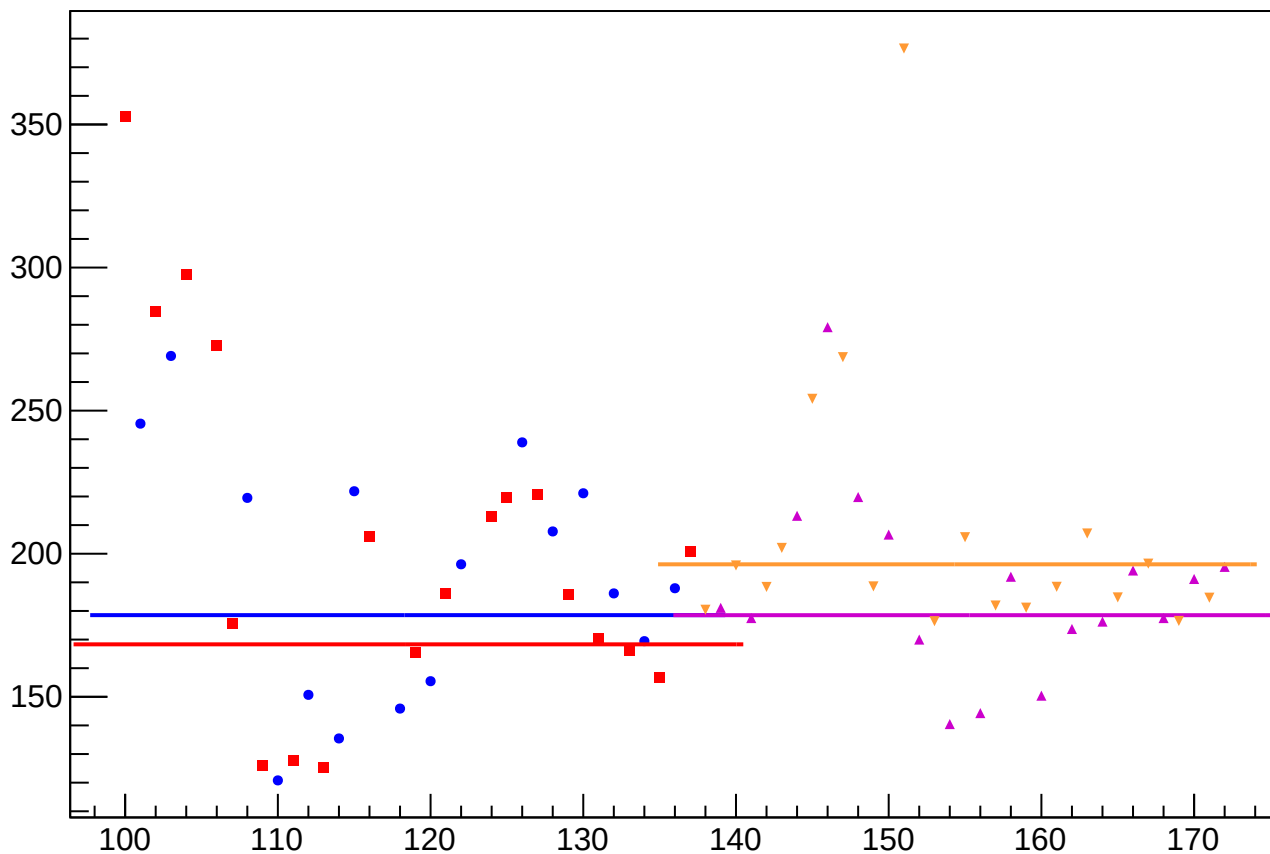
Left In: 11450.030+/-49.214 χ^2/NDF : 10570.8/16

+ sign -5135.925+/-42.238 χ^2/NDF : 46381.7/33

All: 2080.761+/-28.734 χ^2/NDF : 125583.1/69

- sign 8297.589+/-39.203 χ^2/NDF : 24861.6/35

asym_bpm0i02aWS_rms vs Slug



Right In: 178.541 $\pm$ 0.049 χ^2 /NDF: 674566.0/15

Left Out: 196.298 $\pm$ 0.038 χ^2 /NDF: 664071.1/17

Right Out: 168.335 $\pm$ 0.046 χ^2 /NDF: 979485.9/18

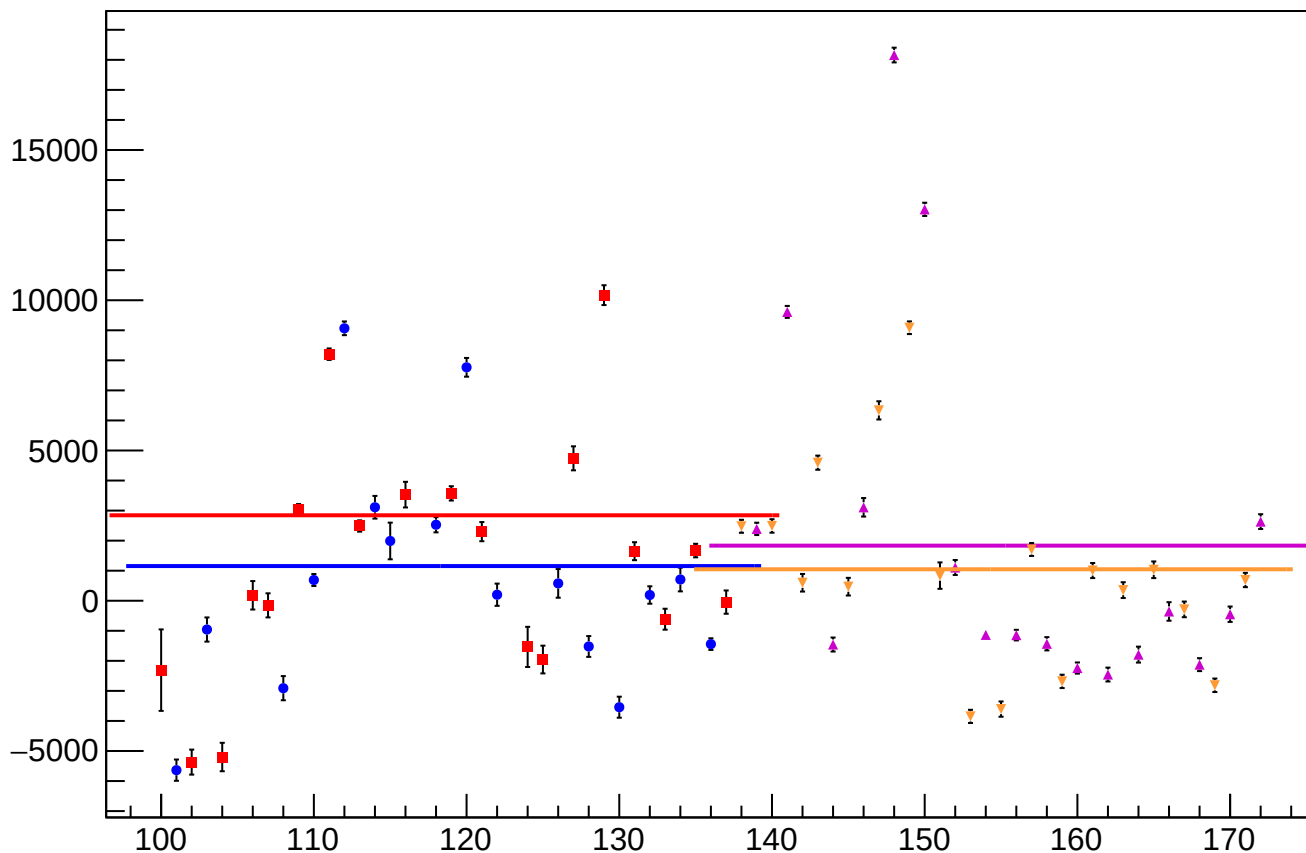
Left In: 178.522 $\pm$ 0.035 χ^2 /NDF: 678725.0/16

+ sign 189.692 $\pm$ 0.030 χ^2 /NDF: 1421223.7/33

All: 181.691 $\pm$ 0.020 χ^2 /NDF: 3244323.7/69

- sign 174.799 $\pm$ 0.028 χ^2 /NDF: 1689527.5/35

asym_bpm0i05WS_mean vs Slug



Right In: 1153.823 $\pm$ 75.957 χ^2 /NDF: 2655.3/15

Left Out: 1047.122 $\pm$ 58.258 χ^2 /NDF: 3527.1/17

Right Out: 2843.895 $\pm$ 69.139 χ^2 /NDF: 2453.1/18

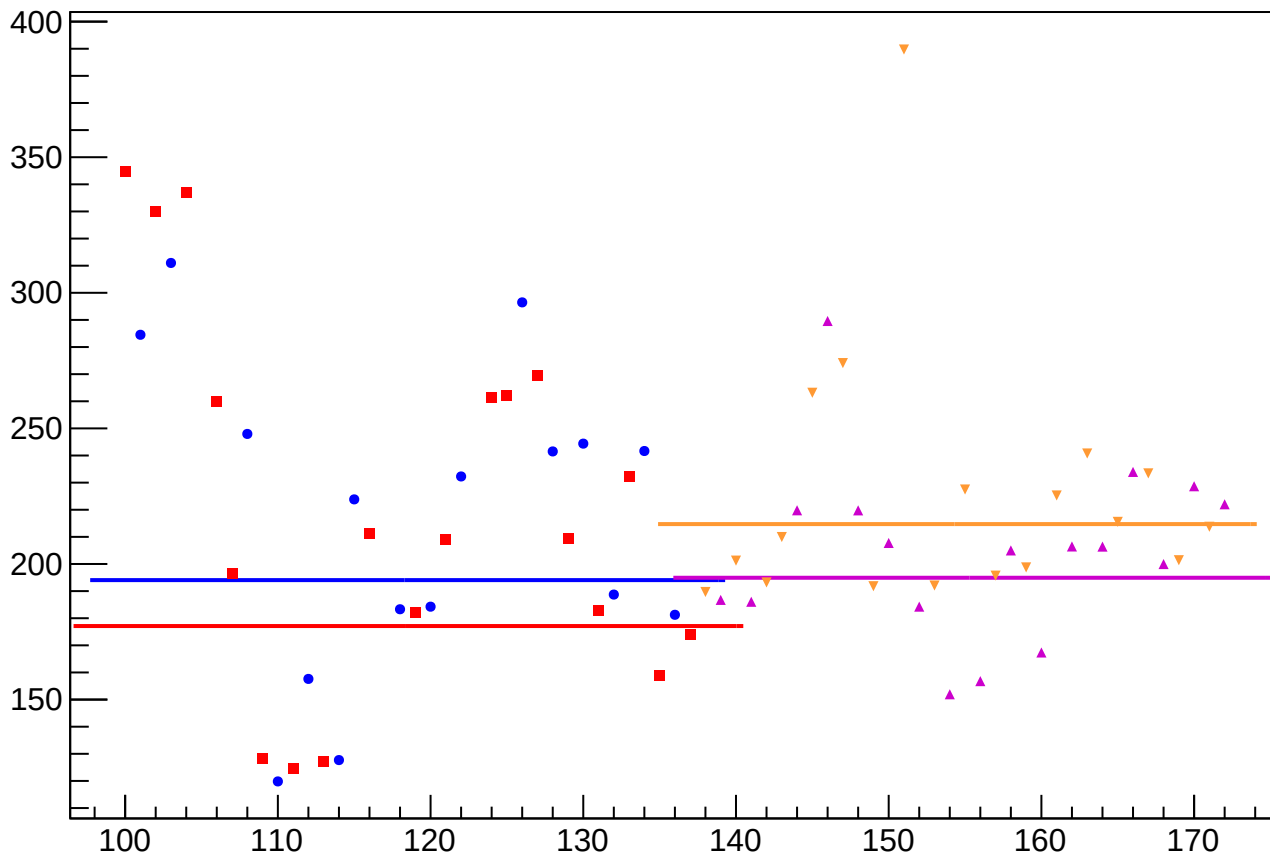
Left In: 1833.662 $\pm$ 53.709 χ^2 /NDF: 11093.1/16

+ sign 1086.642 $\pm$ 46.227 χ^2 /NDF: 6183.7/33

All: 1698.634 $\pm$ 31.253 χ^2 /NDF: 20185.8/69

- sign 2213.860 $\pm$ 42.415 χ^2 /NDF: 13679.3/35

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

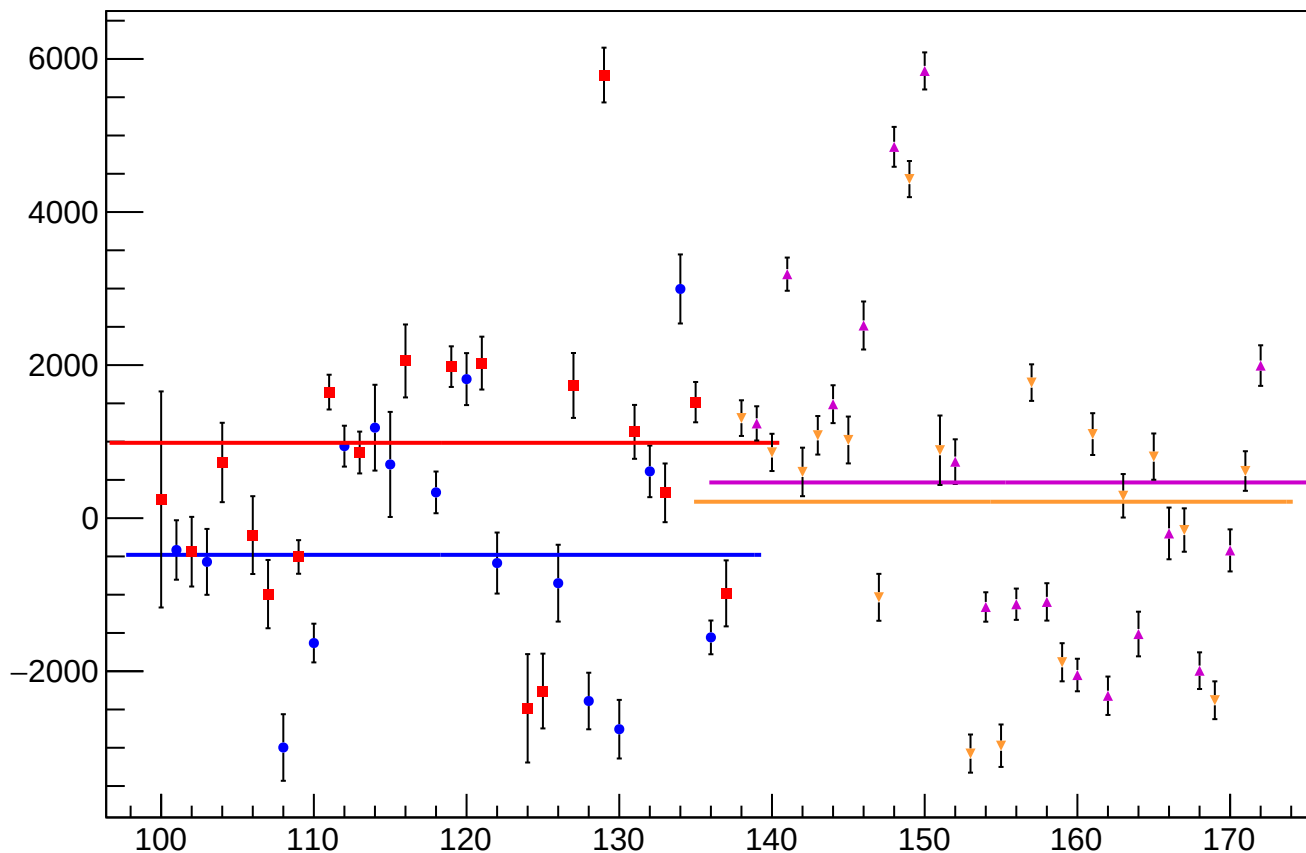
Left In: 194.922+/-0.038 χ^2/NDF : 628541.2/16

+ sign 207.060+/-0.033 χ^2/NDF : 1668941.0/33

All: 196.832+/-0.022 χ^2/NDF : 3919930.2/69

- sign 188.220+/-0.030 χ^2/NDF : 2070626.2/35

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

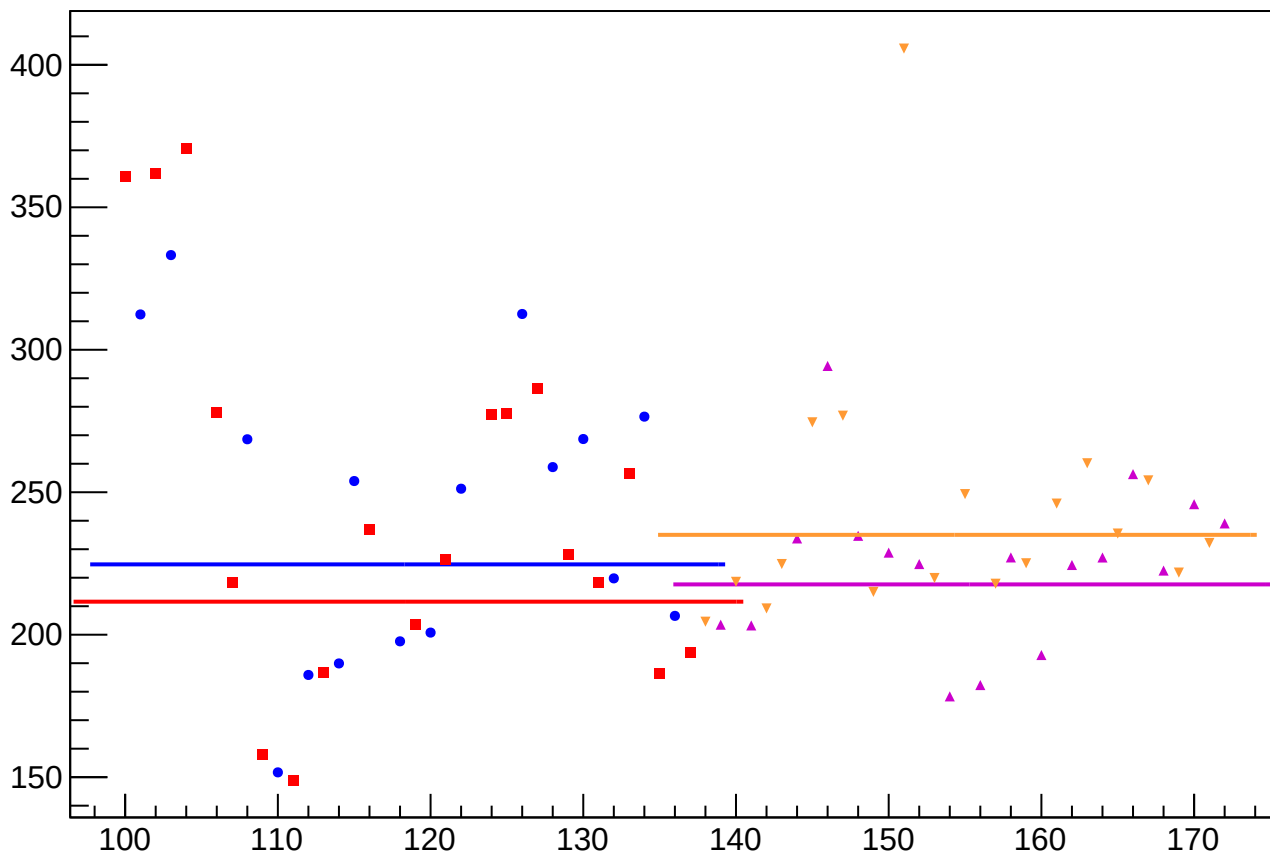
Left In: 466.644 ± 59.509 χ^2/NDF : 1641.3/16

+ sign -27.410 ± 51.203 χ^2/NDF : 1282.5/33

All: 332.637 ± 34.998 χ^2/NDF : 3441.3/69

- sign 648.335 ± 47.946 χ^2/NDF : 2066.0/35

asym_bpm0i07WS_rms vs Slug



Right In: 224.683 $\pm$ 0.061 χ^2 /NDF: 653193.4/15

Left Out: 235.048 $\pm$ 0.045 χ^2 /NDF: 487894.6/17

Right Out: 211.595 $\pm$ 0.057 χ^2 /NDF: 932902.5/18

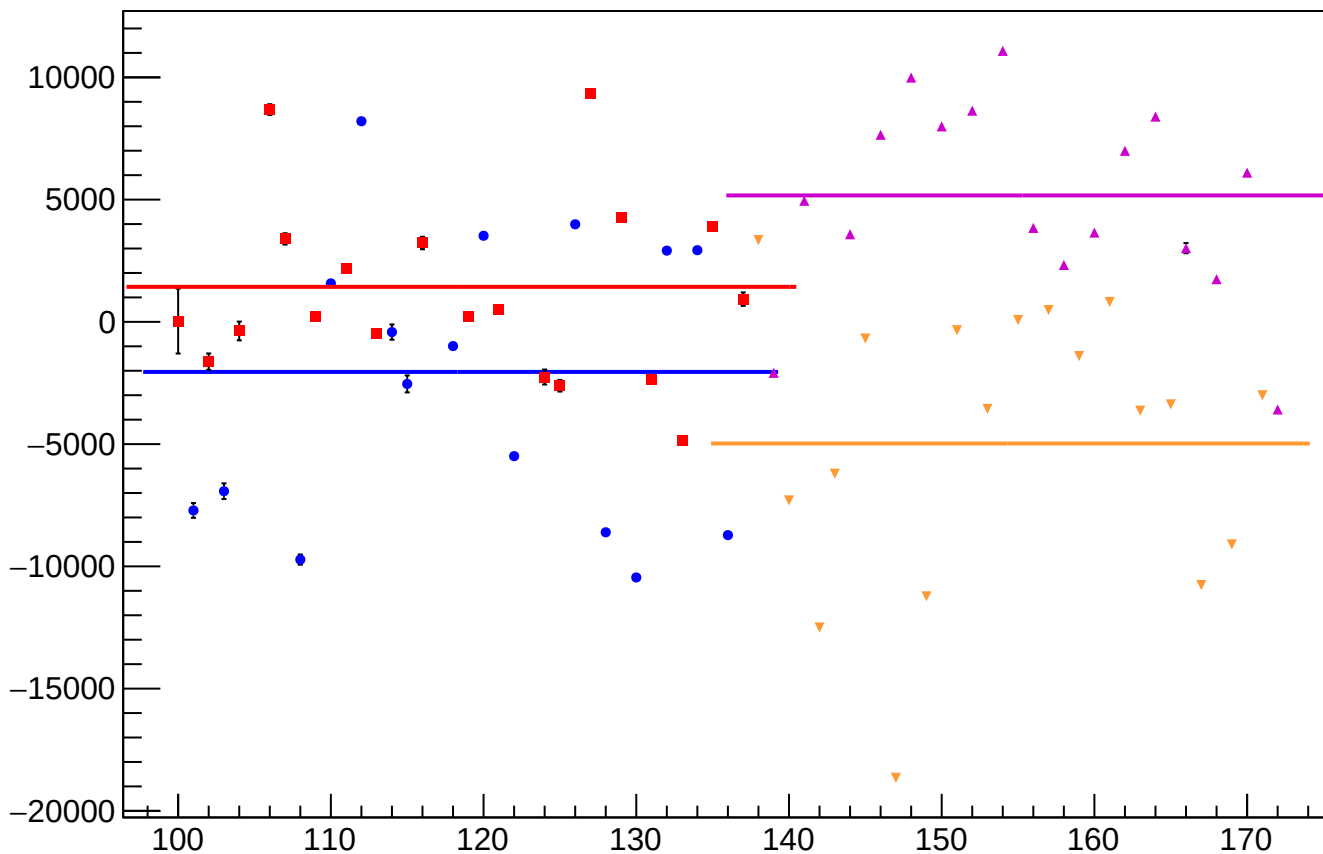
Left In: 217.657 $\pm$ 0.042 χ^2 /NDF: 396843.4/16

+ sign 231.432 $\pm$ 0.036 χ^2 /NDF: 1159707.3/33

All: 222.959 $\pm$ 0.025 χ^2 /NDF: 2599510.4/69

- sign 215.530 $\pm$ 0.034 χ^2 /NDF: 1337026.9/35

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

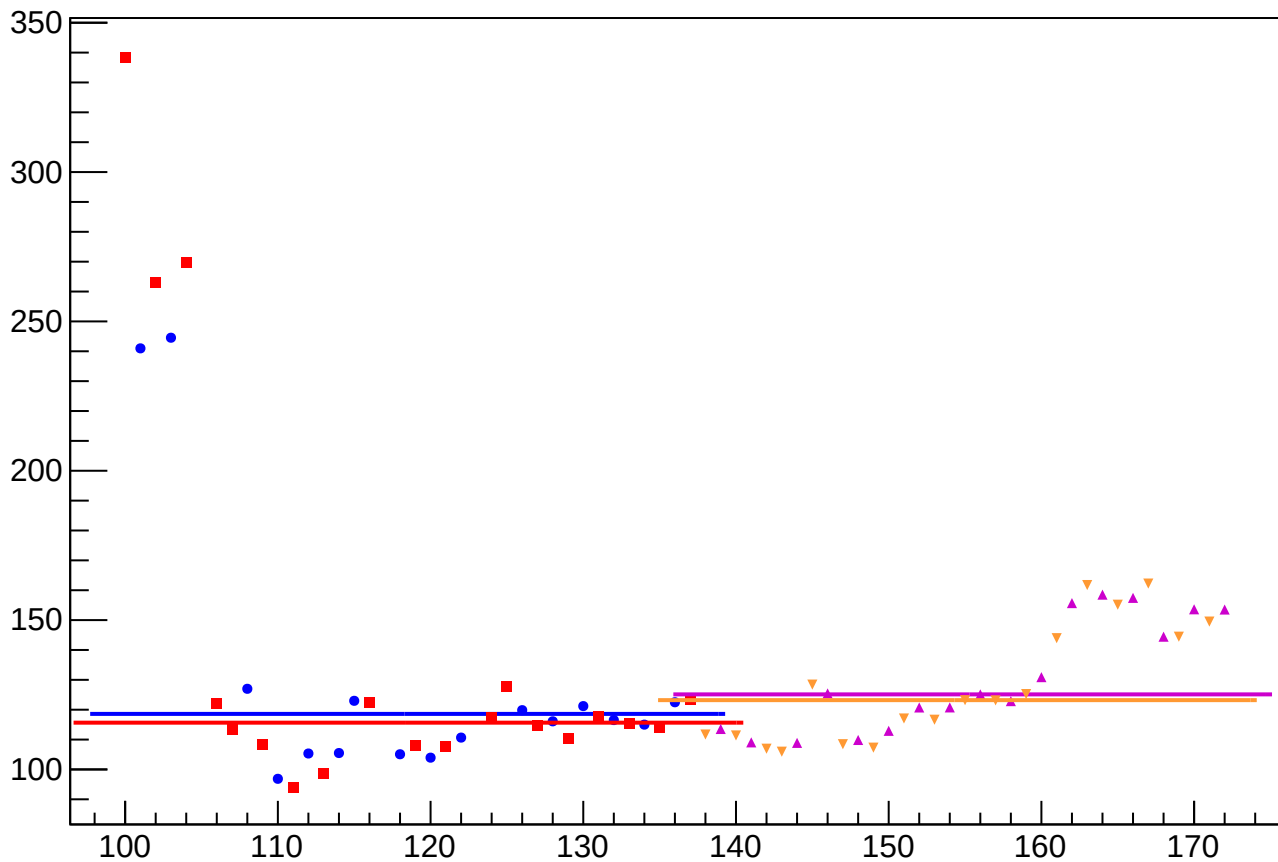
Left In: 5171.035 ± 34.009 χ^2/NDF : 12986.5/16

+ sign -3989.262 ± 27.114 χ^2/NDF : 50952.3/33

All: -87.912 ± 19.158 χ^2/NDF : 116097.9/69

- sign 3801.631 ± 27.072 χ^2/NDF : 23800.0/35

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

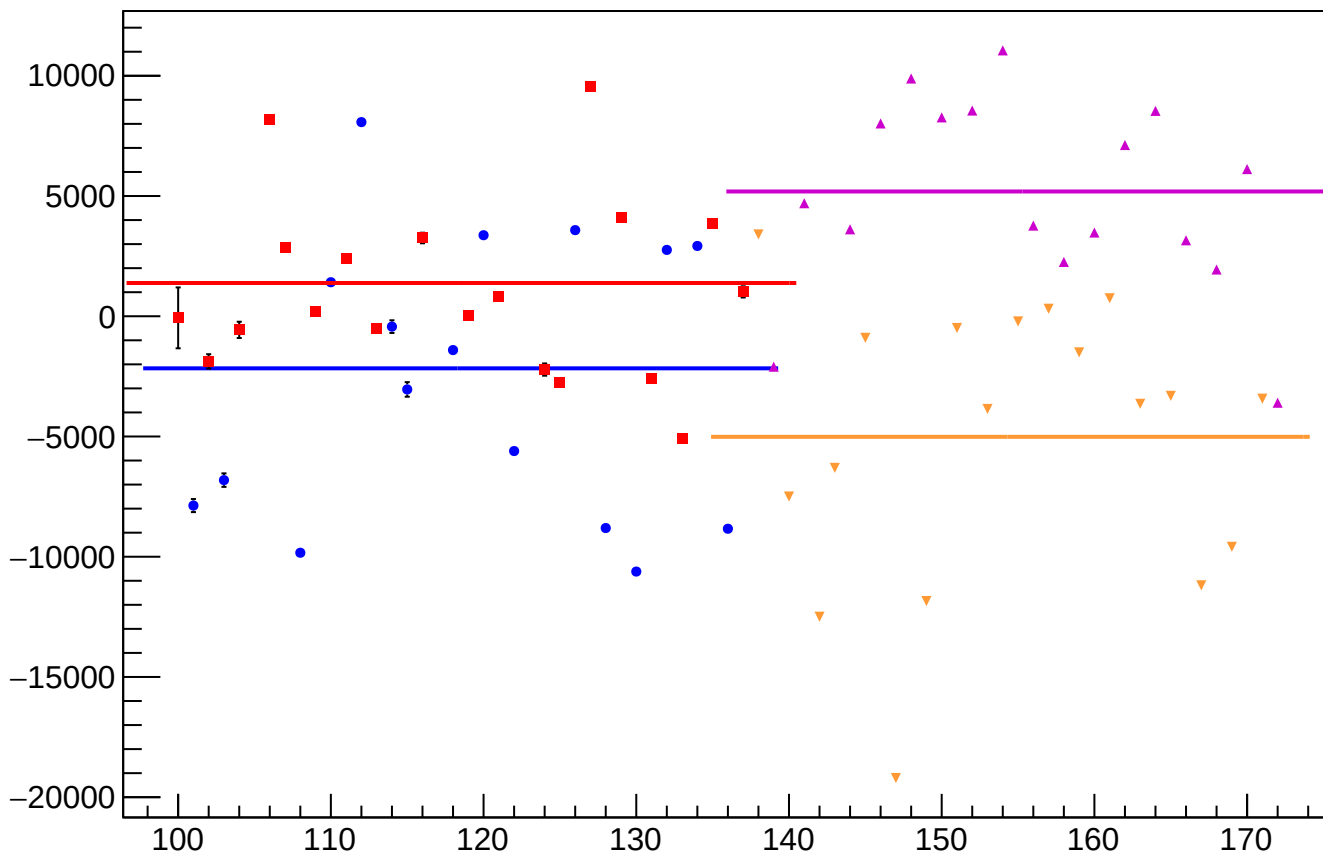
Left In: 125.133 ± 0.024 χ^2/NDF : 457640.1/16

+ sign 121.650 ± 0.019 χ^2/NDF : 1277782.2/33

All: 121.656 ± 0.014 χ^2/NDF : 2656474.0/69

- sign 121.662 ± 0.019 χ^2/NDF : 1378691.6/35

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

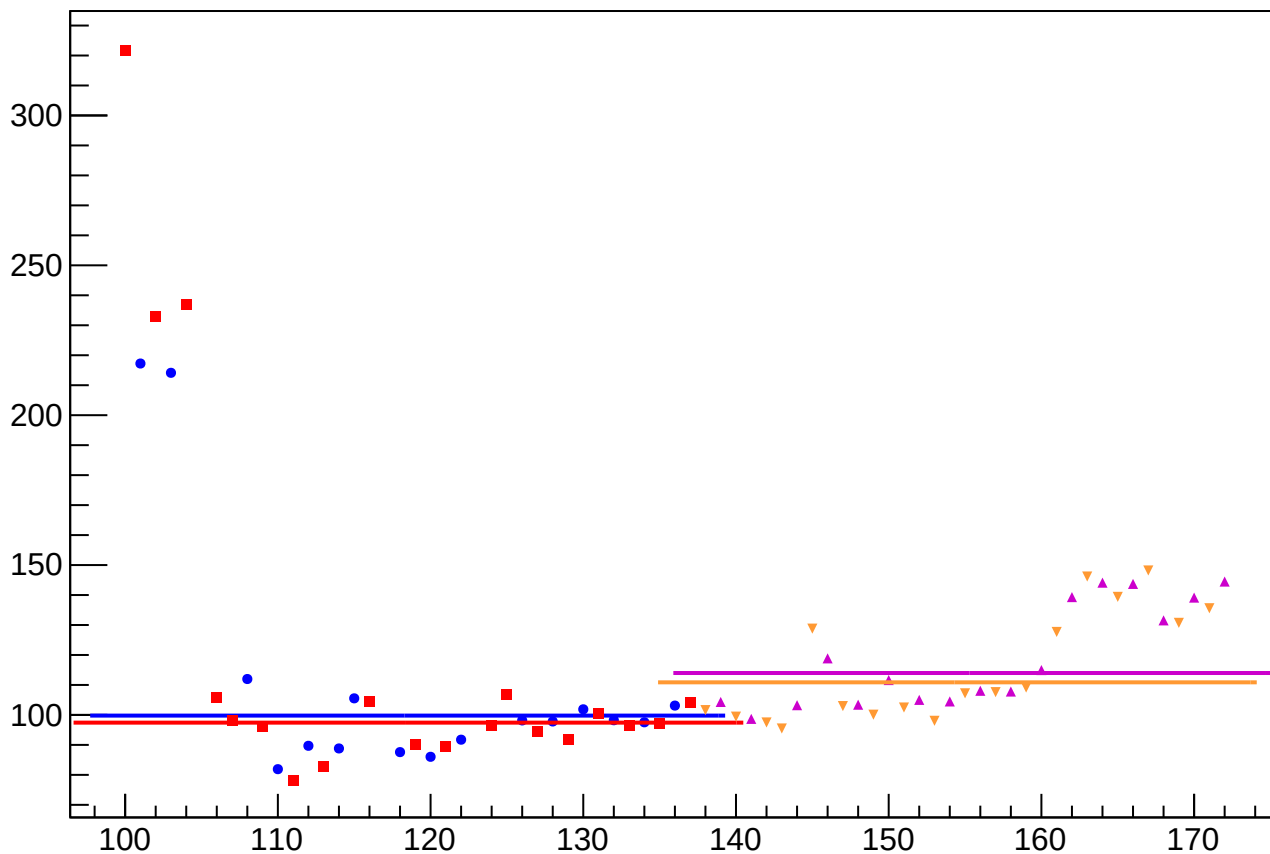
Left In: 5188.833 ± 30.996 χ^2/NDF : 15668.5/16

+ sign -3975.924 ± 23.925 χ^2/NDF : 64952.3/33

All: -168.360 ± 16.949 χ^2/NDF : 146636.4/69

- sign 3667.170 ± 24.013 χ^2/NDF : 30844.5/35

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

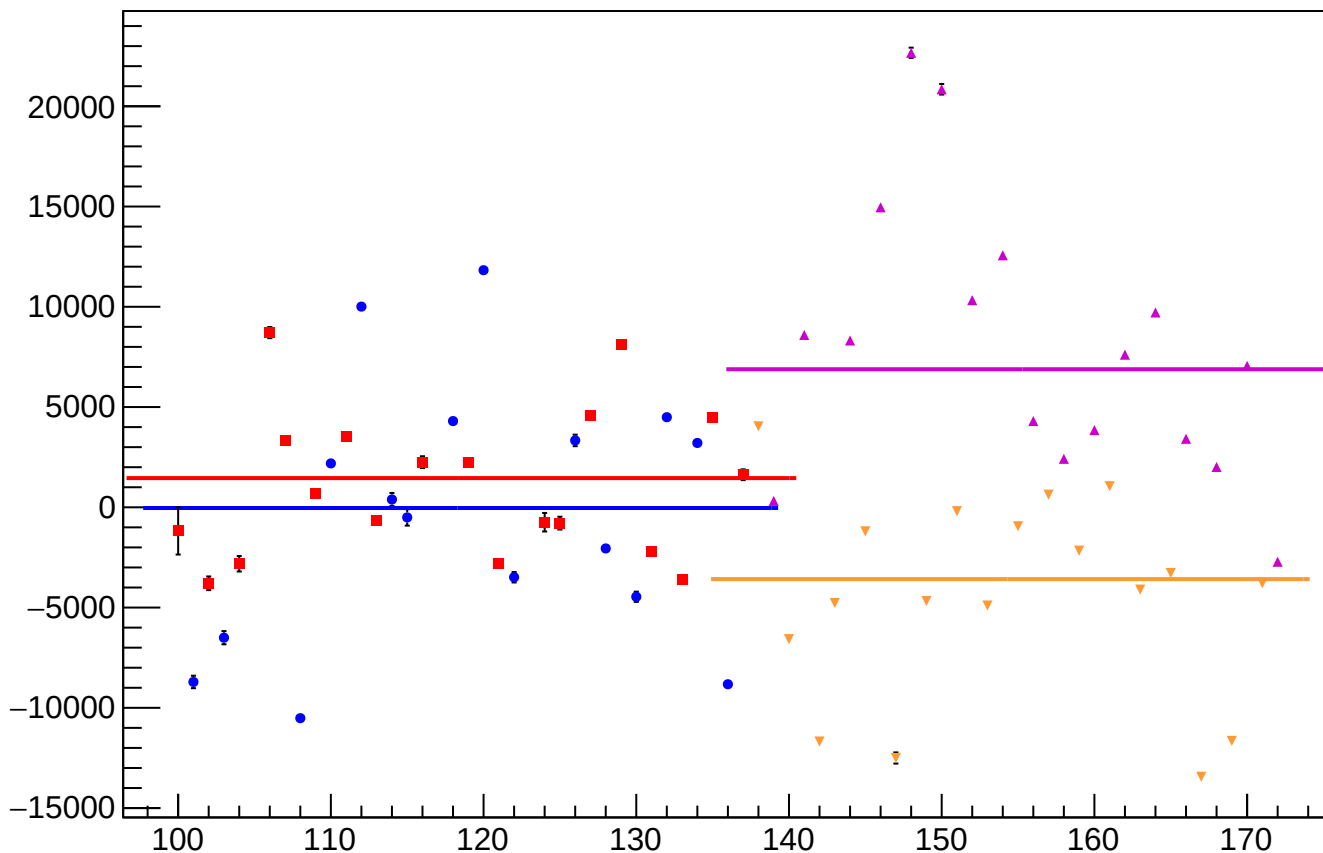
Left In: 113.985+/-0.022 χ^2/NDF : 441261.3/16

+ sign 106.828+/-0.017 χ^2/NDF : 1468250.2/33

All: 107.095+/-0.012 χ^2/NDF : 3064228.7/69

- sign 107.364+/-0.017 χ^2/NDF : 1595477.6/35

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

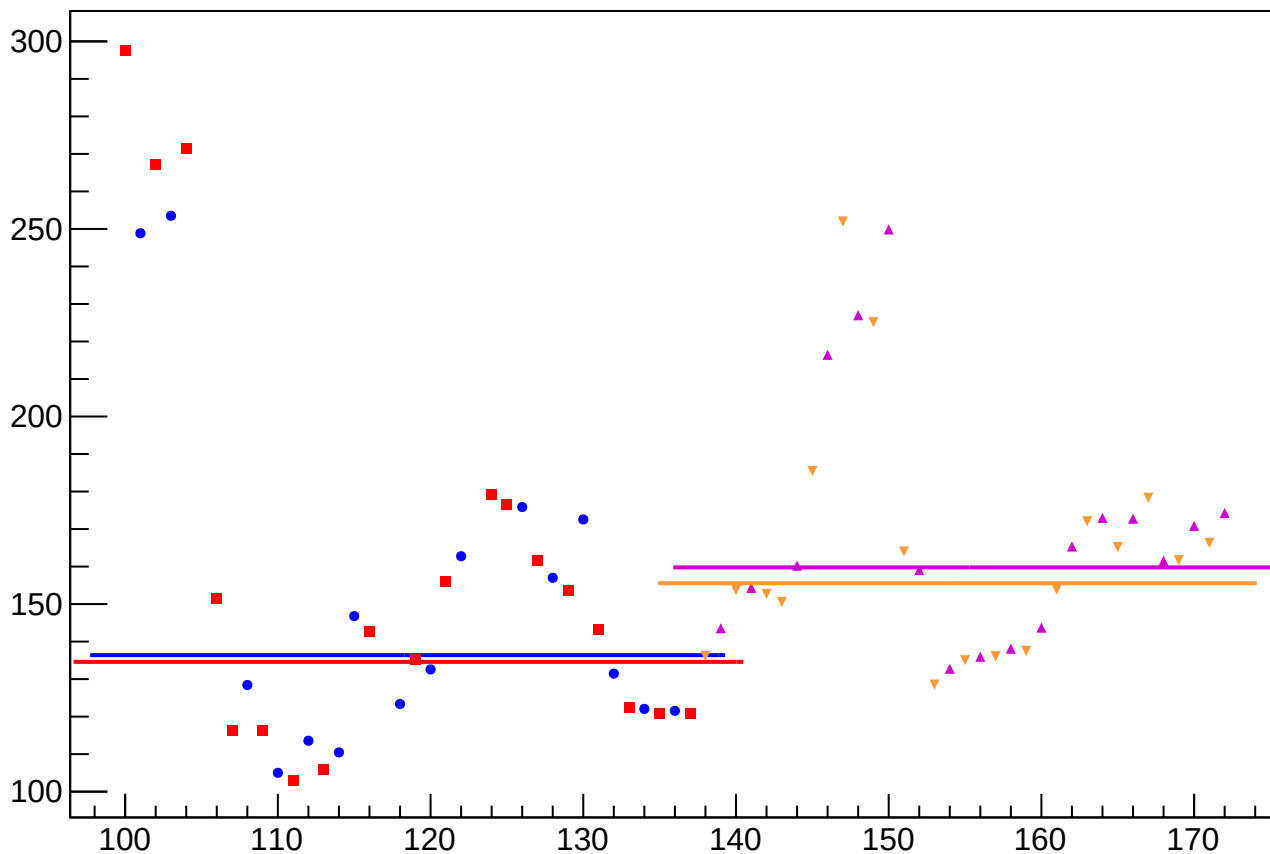
Left In: 6885.729 ± 43.656 χ^2/NDF : 16935.0/16

+ sign -2222.664 ± 33.078 χ^2/NDF : 31490.1/33

All: 1172.570 ± 23.510 χ^2/NDF : 80233.7/69

- sign 4638.444 ± 33.421 χ^2/NDF : 27453.7/35

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

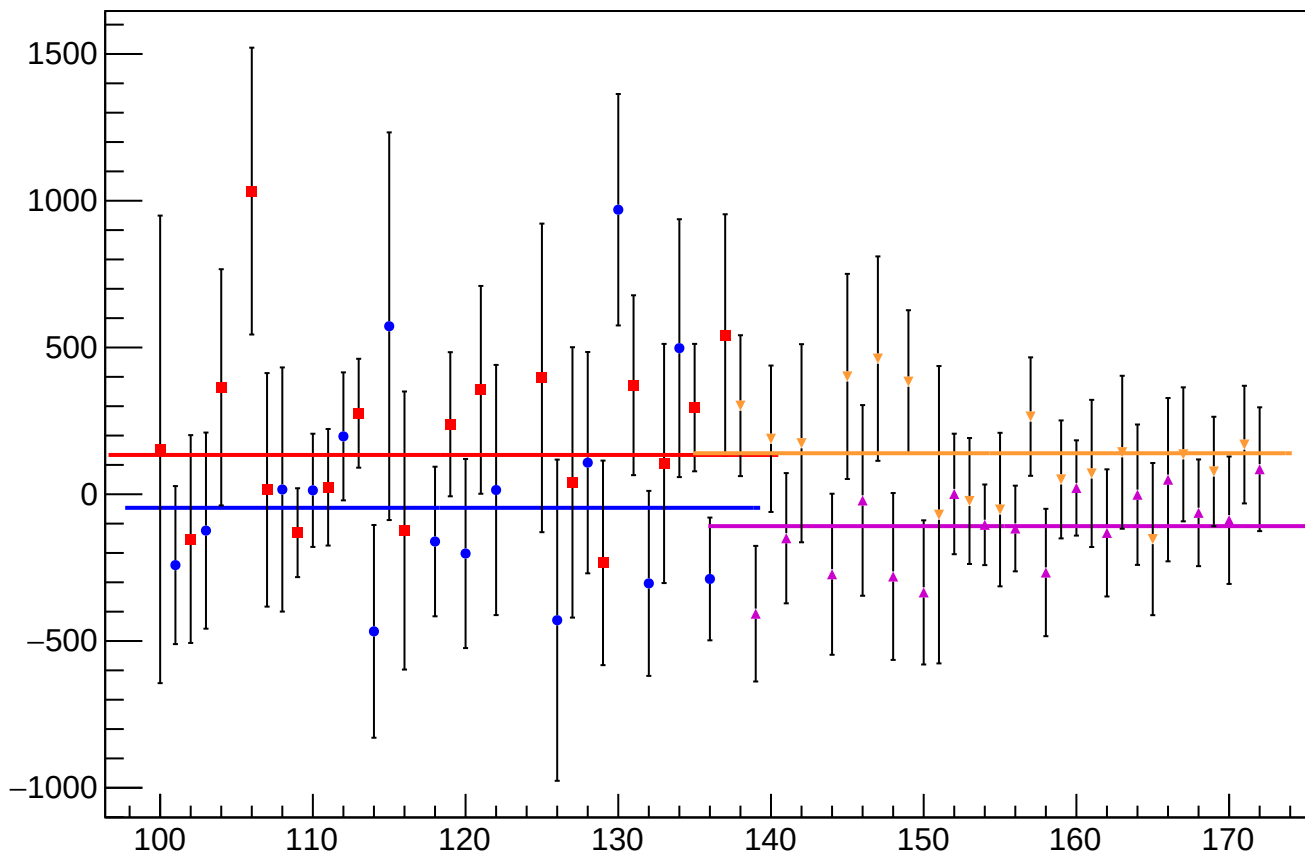
Left In: 159.780+/-0.031 χ^2/NDF : 735415.9/16

+ sign 148.222+/-0.023 χ^2/NDF : 1661971.0/33

All: 148.784+/-0.017 χ^2/NDF : 3593613.1/69

- sign 149.357+/-0.024 χ^2/NDF : 1930477.9/35

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -46.199 ± 76.283 χ^2/NDF : 15.5/15

Left Out: 139.745 ± 59.397 χ^2/NDF : 6.3/16

Right Out: 133.913 ± 68.414 χ^2/NDF : 12.8/17

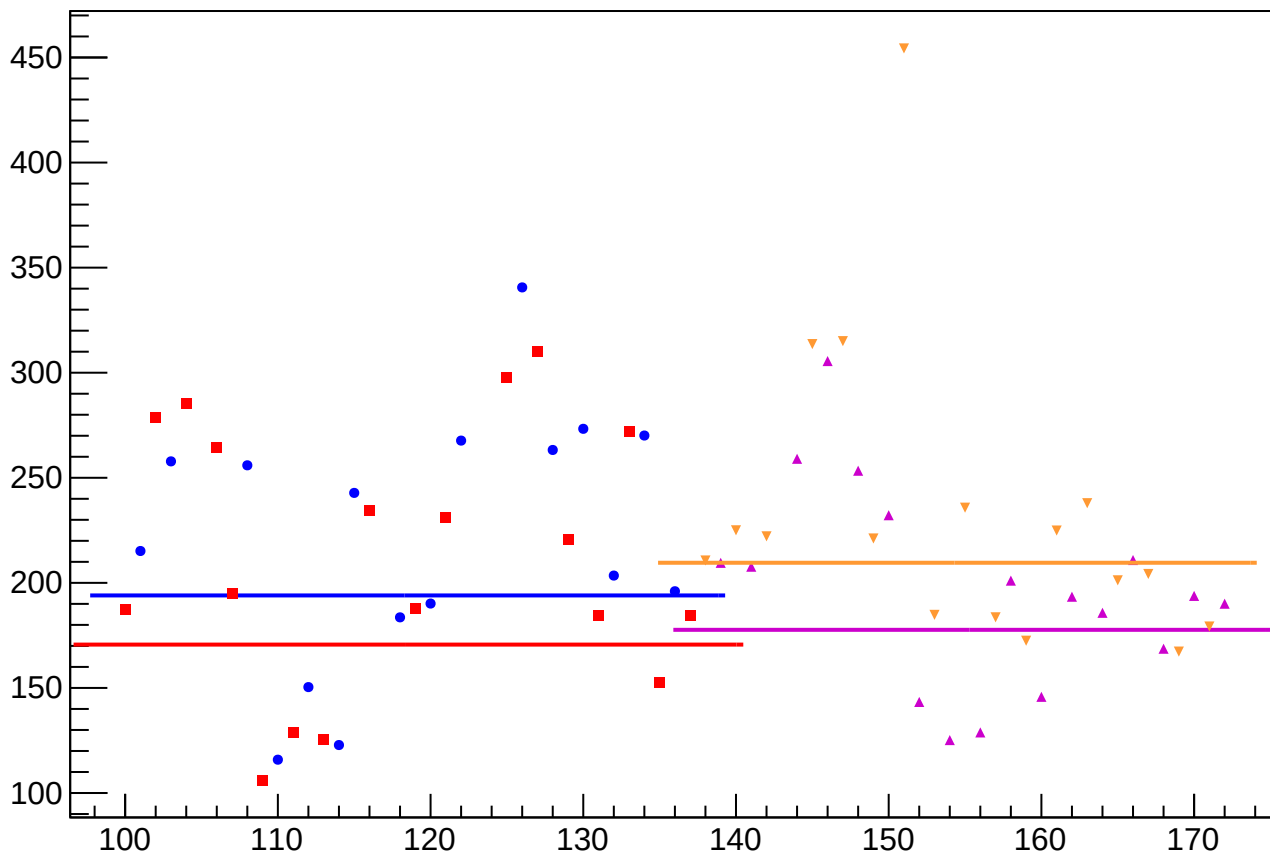
Left In: -108.615 ± 50.041 χ^2/NDF : 6.3/16

+ sign 69.562 ± 46.865 χ^2/NDF : 25.4/32

All: 15.828 ± 30.595 χ^2/NDF : 55.0/67

- sign -24.083 ± 40.390 χ^2/NDF : 27.3/34

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 194.017 $\pm$ 0.054 χ^2 /NDF: 1043588.7/15

Left Out: 209.568 $\pm$ 0.042 χ^2 /NDF:1173575.4/16

Right Out: 170.624 $\pm$ 0.048 χ^2 /NDF: 1593735.4/17

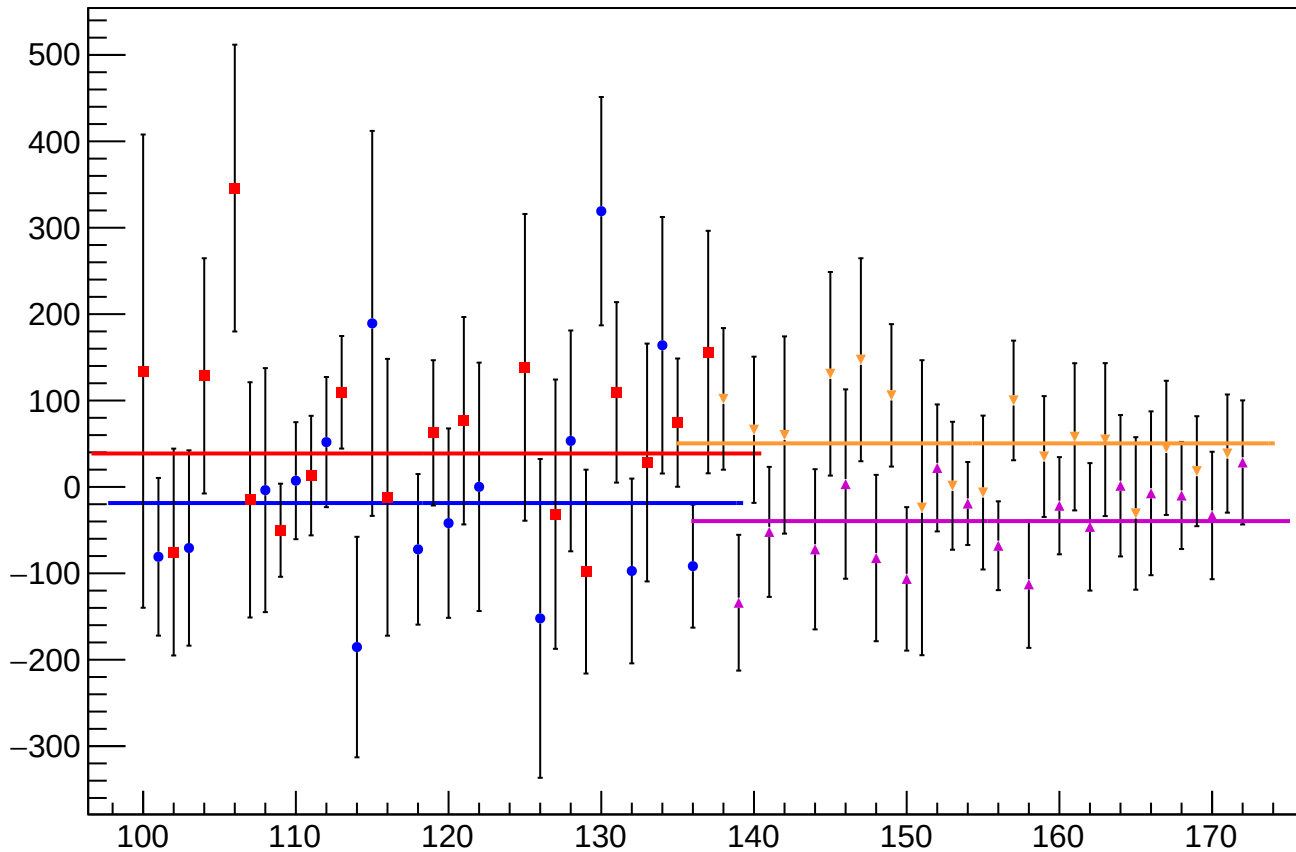
Left In: 177.651 $\pm$ 0.035 χ^2 /NDF:1537567.3/16

+ sign 203.698 $\pm$ 0.033 χ^2 /NDF: 2268910.2/32

All: 187.347 $\pm$ 0.022 χ^2 /NDF: 5838271.4/67

- sign 175.201 $\pm$ 0.029 χ^2 /NDF: 3145049.2/34

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -18.645 ± 26.122 $\chi^2/\text{NDF}: 15.2/15$

Left Out: 50.432 ± 20.272 $\chi^2/\text{NDF}: 4.8/16$

Right Out: 38.716 ± 23.652 $\chi^2/\text{NDF}: 12.6/17$

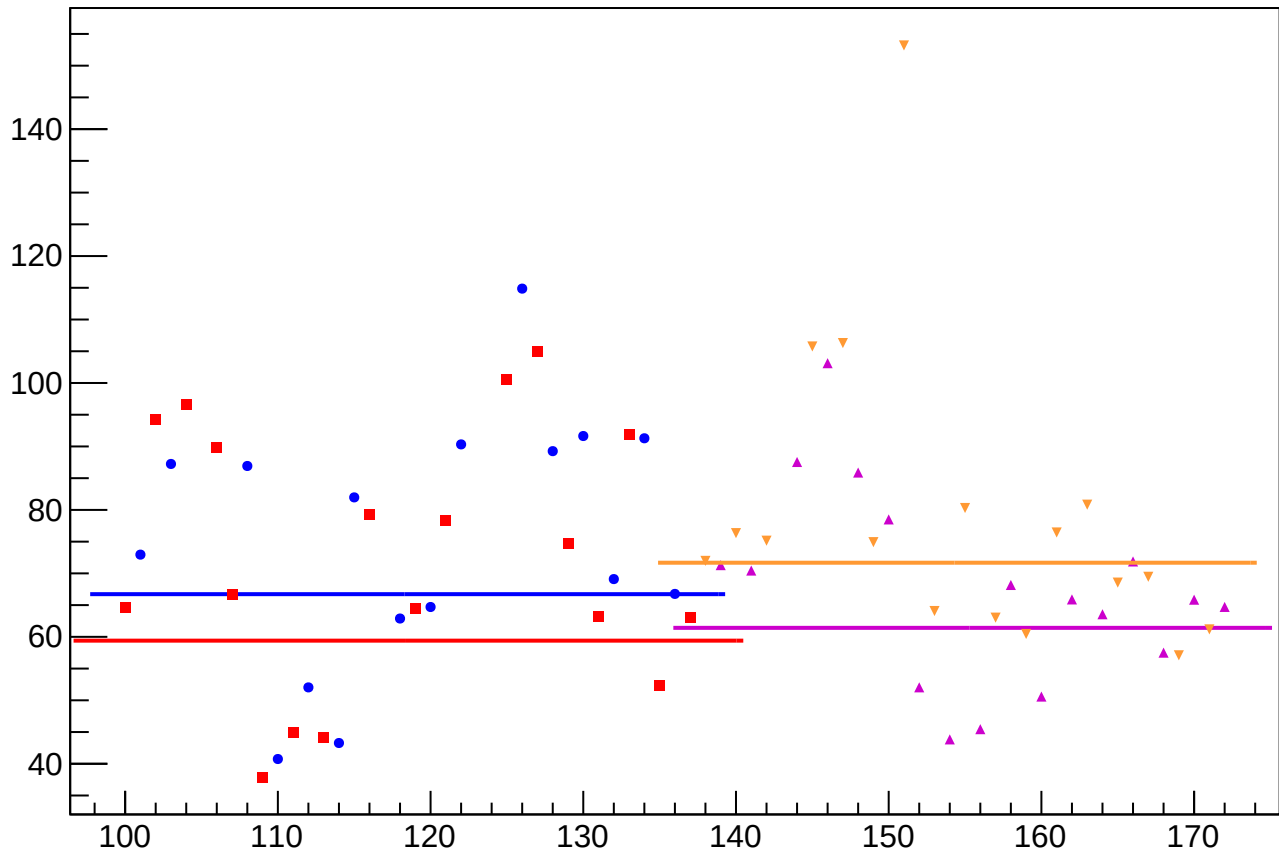
Left In: -39.523 ± 17.222 $\chi^2/\text{NDF}: 6.4/16$

+ sign 24.468 ± 16.015 $\chi^2/\text{NDF}: 24.4/32$

All: 3.461 ± 10.507 $\chi^2/\text{NDF}: 53.5/67$

- sign -12.415 ± 13.922 $\chi^2/\text{NDF}: 26.2/34$

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

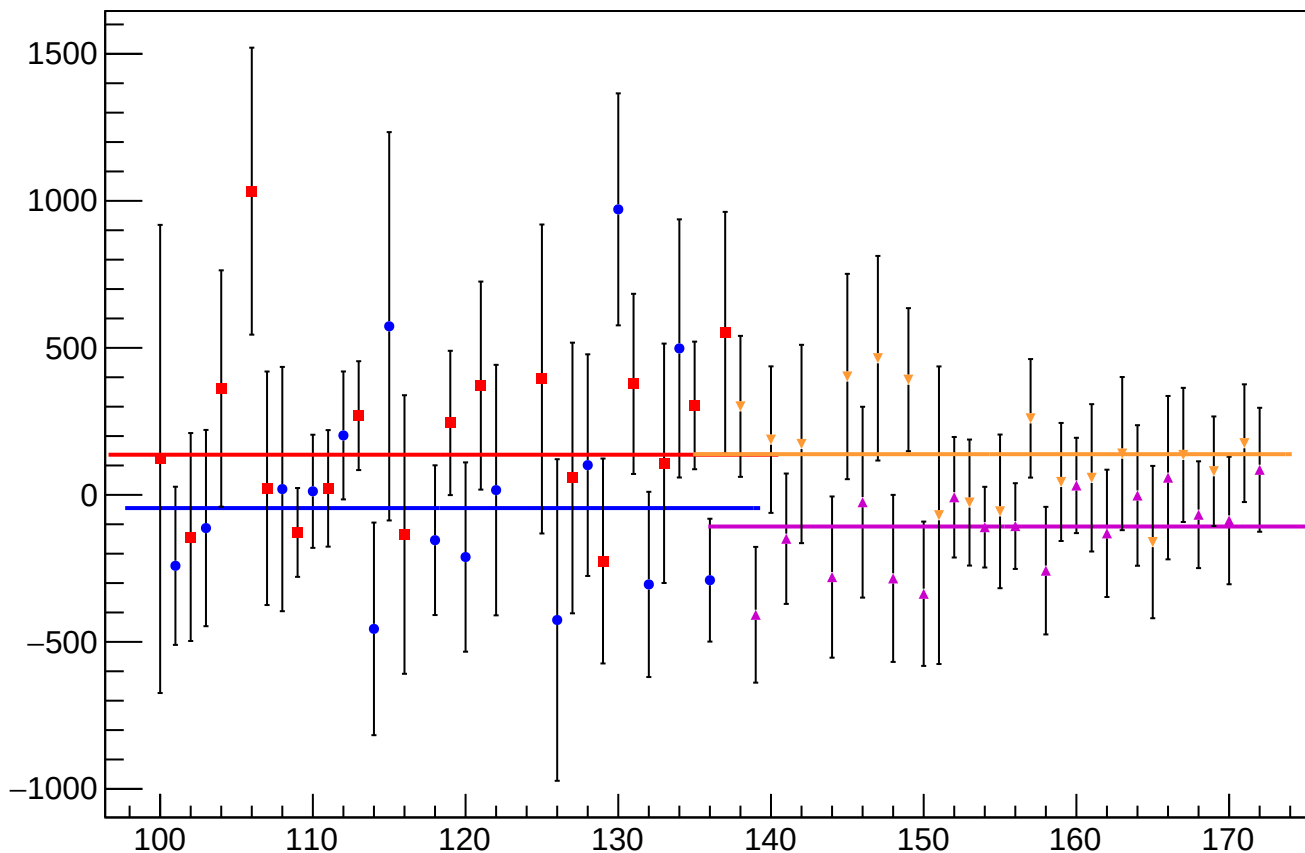
Left In: 61.417+/-0.012 χ^2 /NDF:1359603.6/16

+ sign 69.817+/-0.011 χ^2 /NDF: 2106454.8/32

All: 64.635+/-0.007 χ^2 /NDF: 5288625.8/67

- sign 60.718+/-0.010 χ^2 /NDF: 2814475.5/34

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

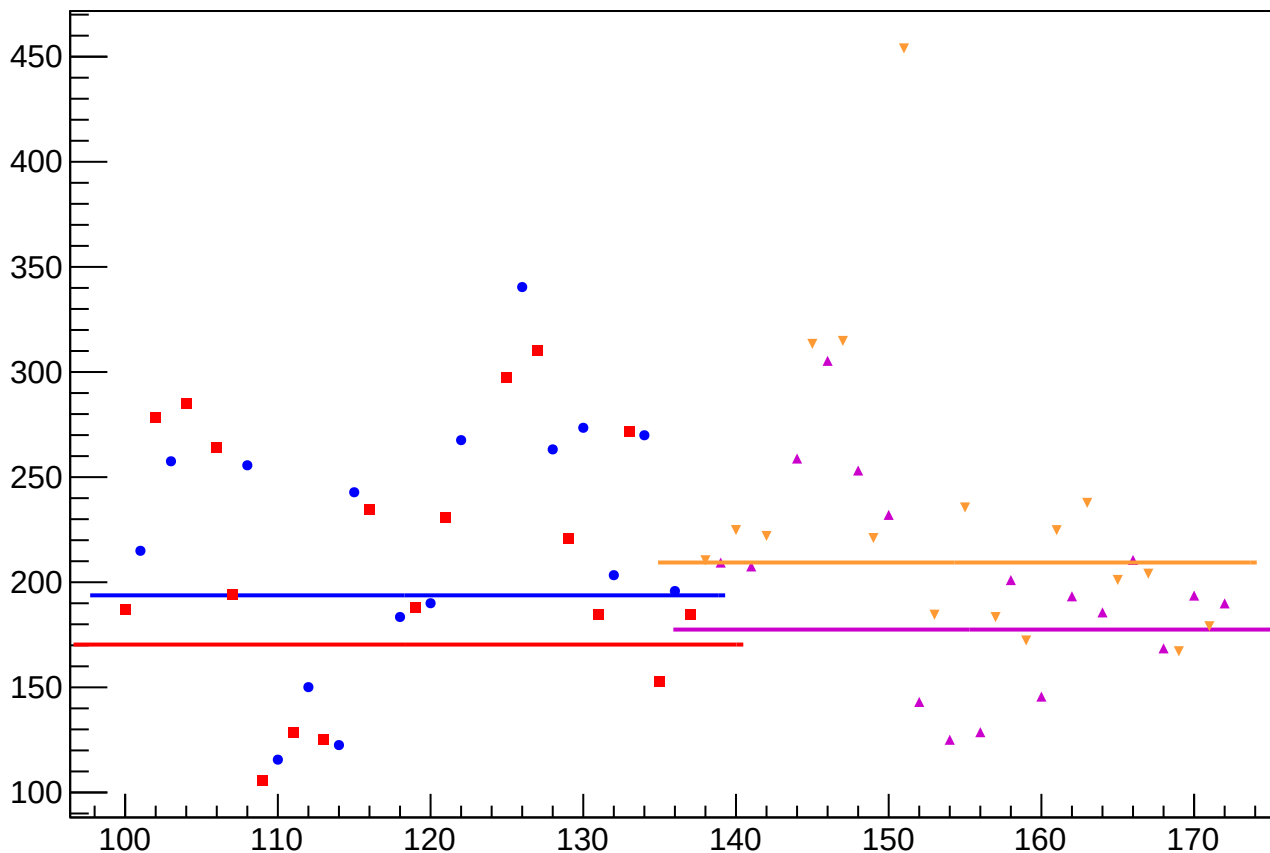
Left In: -107.646 ± 49.999 χ^2/NDF : 6.4/16

+ sign 69.172 ± 46.821 χ^2/NDF : 25.6/32

All: 16.584 ± 30.565 χ^2/NDF : 55.3/67

- sign -22.469 ± 40.349 χ^2/NDF : 27.5/34

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 193.768 $\pm$ 0.054 χ^2 /NDF: 1048095.1/15

Left Out: 209.389 $\pm$ 0.042 χ^2 /NDF: 1174239.2/16

Right Out: 170.358 $\pm$ 0.048 χ^2 /NDF: 1599025.1/17

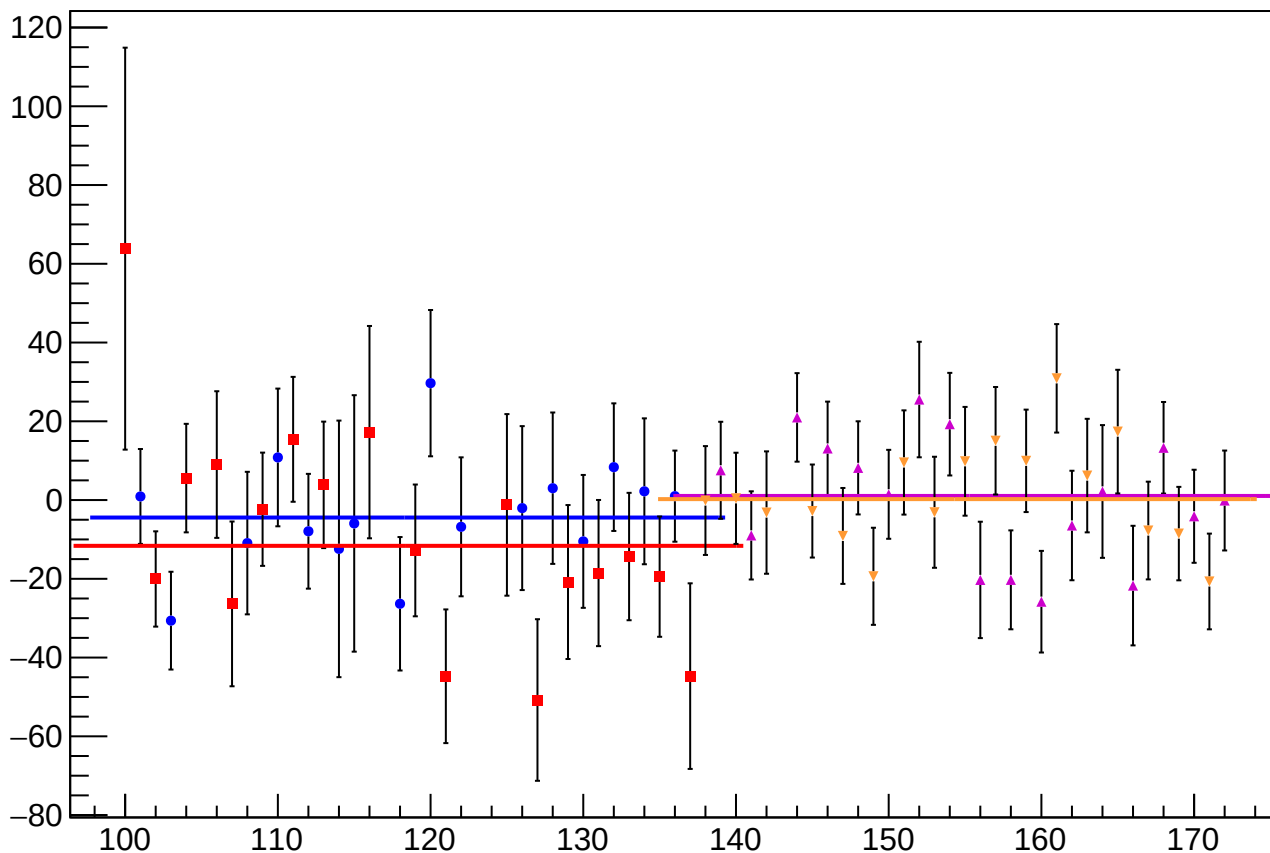
Left In: 177.490 $\pm$ 0.035 χ^2 /NDF: 1539654.5/16

+ sign 203.491 $\pm$ 0.033 χ^2 /NDF: 2274653.4/32

All: 187.143 $\pm$ 0.022 χ^2 /NDF: 5852404.7/67

- sign 175.003 $\pm$ 0.029 χ^2 /NDF: 3152875.7/34

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.440 ± 4.131 $\chi^2/\text{NDF}: 12.0/15$

Left Out: 0.236 ± 3.177 $\chi^2/\text{NDF}: 16.2/16$

Right Out: -11.627 ± 4.137 $\chi^2/\text{NDF}: 21.6/17$

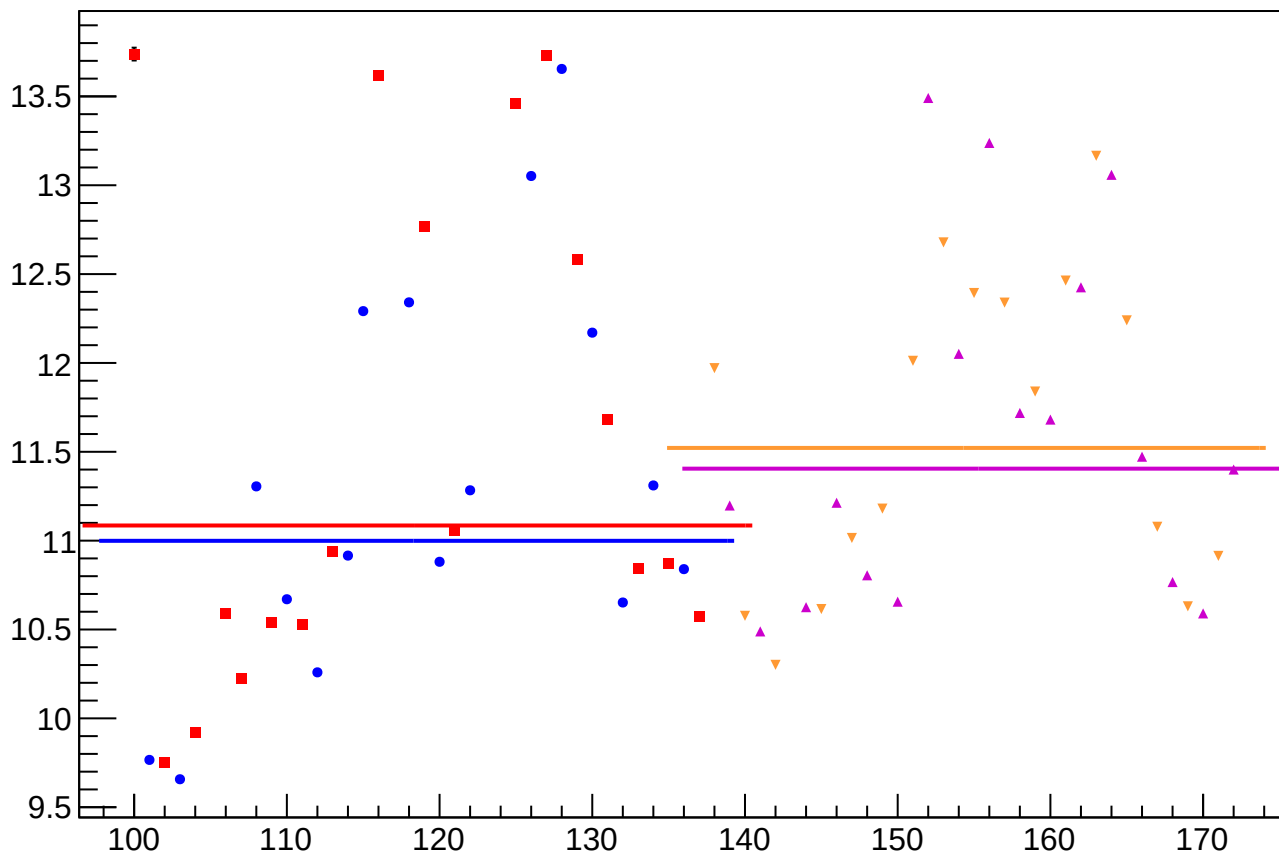
Left In: 1.043 ± 3.075 $\chi^2/\text{NDF}: 23.5/16$

+ sign -1.502 ± 2.518 $\chi^2/\text{NDF}: 29.0/32$

All: -2.503 ± 1.762 $\chi^2/\text{NDF}: 80.5/67$

- sign -3.465 ± 2.468 $\chi^2/\text{NDF}: 51.2/34$

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.999 $\pm$ 0.003 χ^2 /NDF: 136159.2/15

Left Out: 11.522 $\pm$ 0.002 χ^2 /NDF:135472.0/16

Right Out: 11.085 $\pm$ 0.003 χ^2 /NDF: 162204.2/17

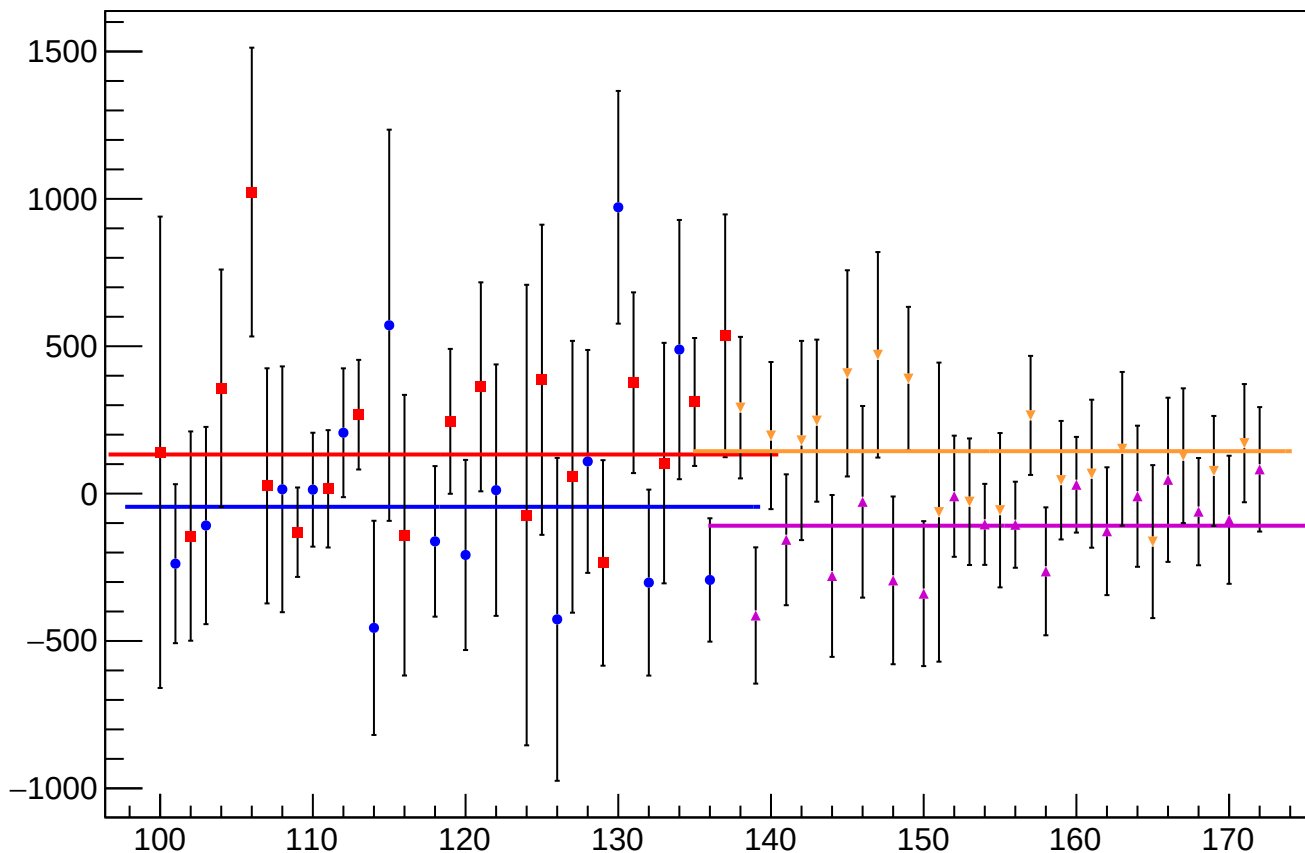
Left In: 11.405 $\pm$ 0.002 χ^2 /NDF:161913.4/16

+ sign 11.328 $\pm$ 0.002 χ^2 /NDF: 291758.3/32

All: 11.309 $\pm$ 0.001 χ^2 /NDF: 623790.2/67

- sign 11.291 $\pm$ 0.002 χ^2 /NDF: 331821.4/34

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

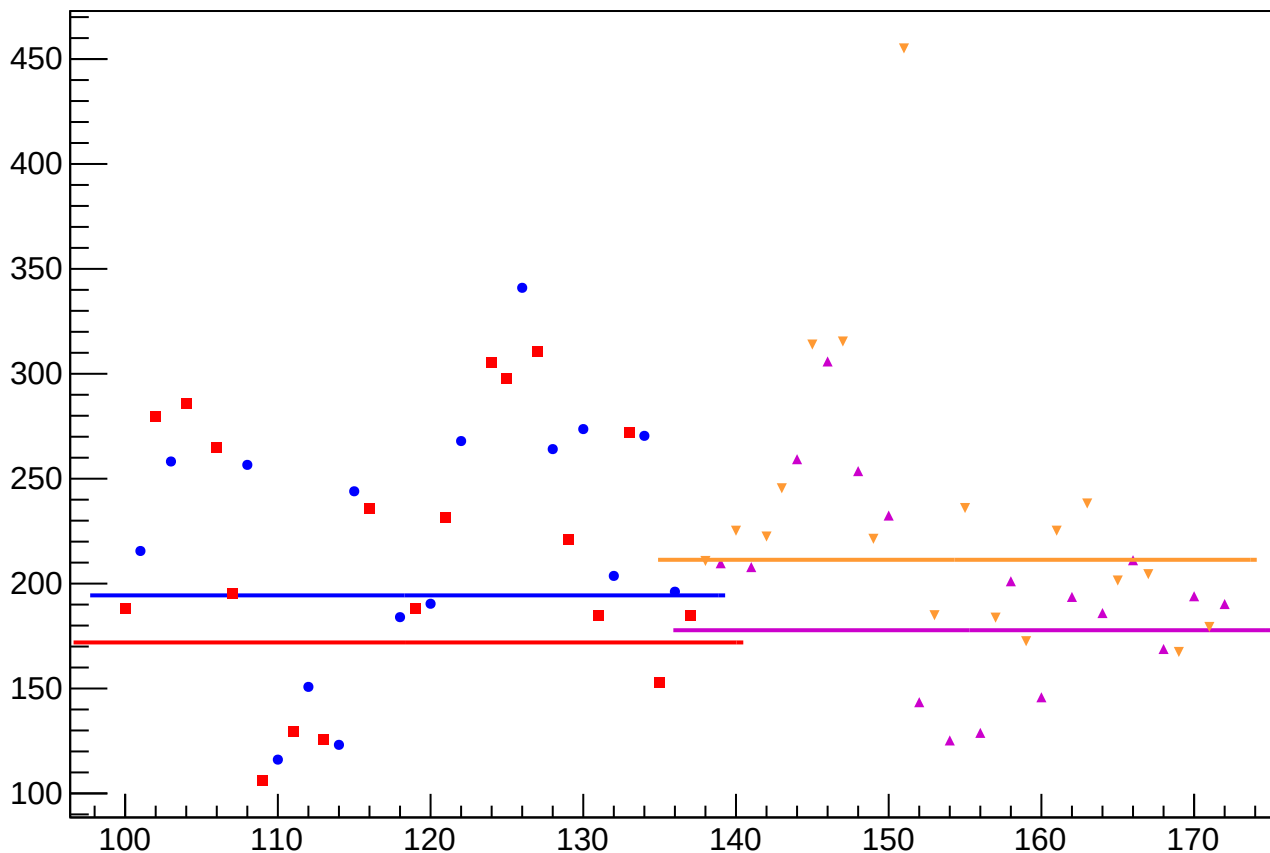
Left In: -108.904 ± 50.081 χ^2/NDF : 6.4/16

+ sign 74.784 ± 46.257 χ^2/NDF : 26.0/33

All: 18.515 ± 30.420 χ^2/NDF : 56.0/69

- sign -24.367 ± 40.381 χ^2/NDF : 27.4/35

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 194.385 $\pm$ 0.054 χ^2 /NDF: 1042024.1/15

Left Out: 211.348 $\pm$ 0.041 χ^2 /NDF:1207541.4/17

Right Out: 171.949 $\pm$ 0.048 χ^2 /NDF: 1651343.7/18

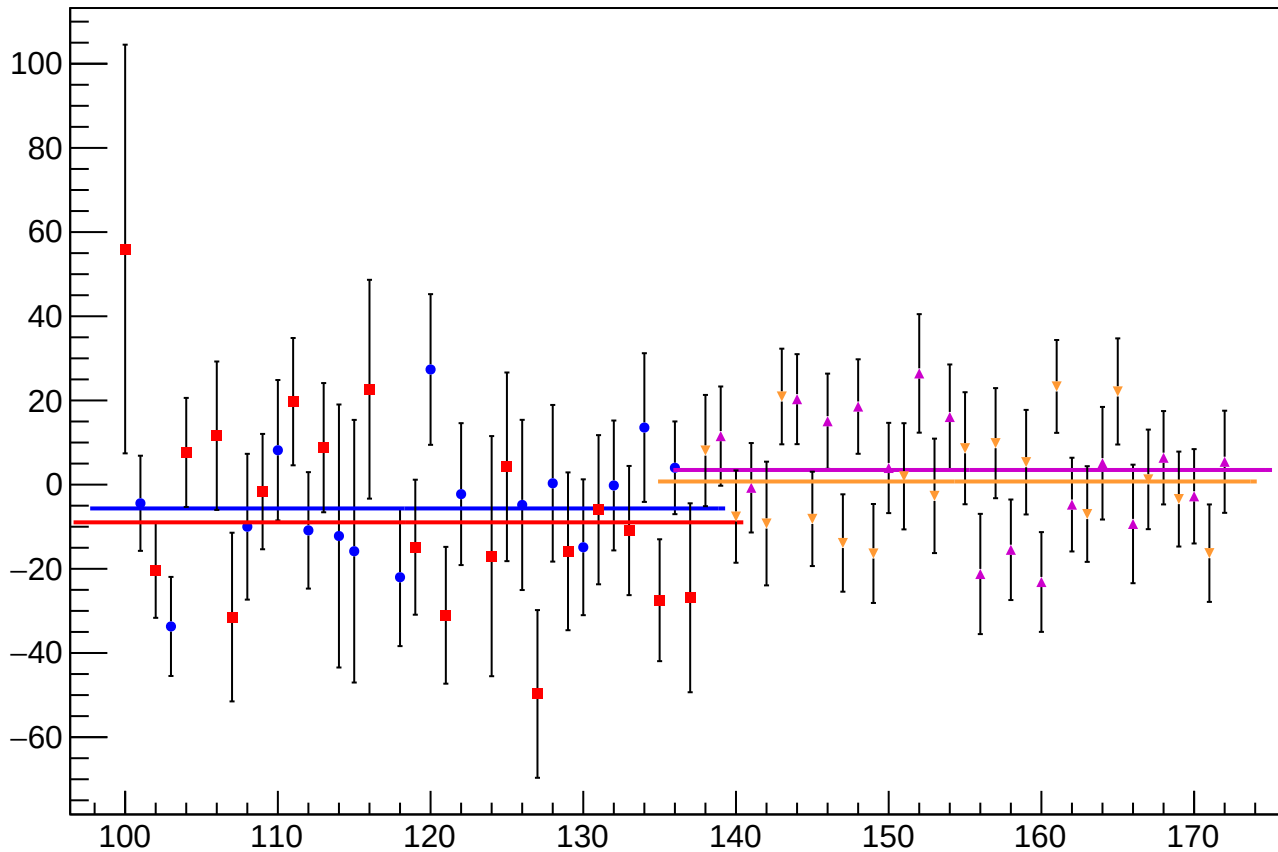
Left In: 177.777 $\pm$ 0.035 χ^2 /NDF:1540049.1/16

+ sign 205.133 $\pm$ 0.033 χ^2 /NDF: 2311996.9/33

All: 188.451 $\pm$ 0.022 χ^2 /NDF: 5971230.9/69

- sign 175.738 $\pm$ 0.029 χ^2 /NDF: 3200870.5/35

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

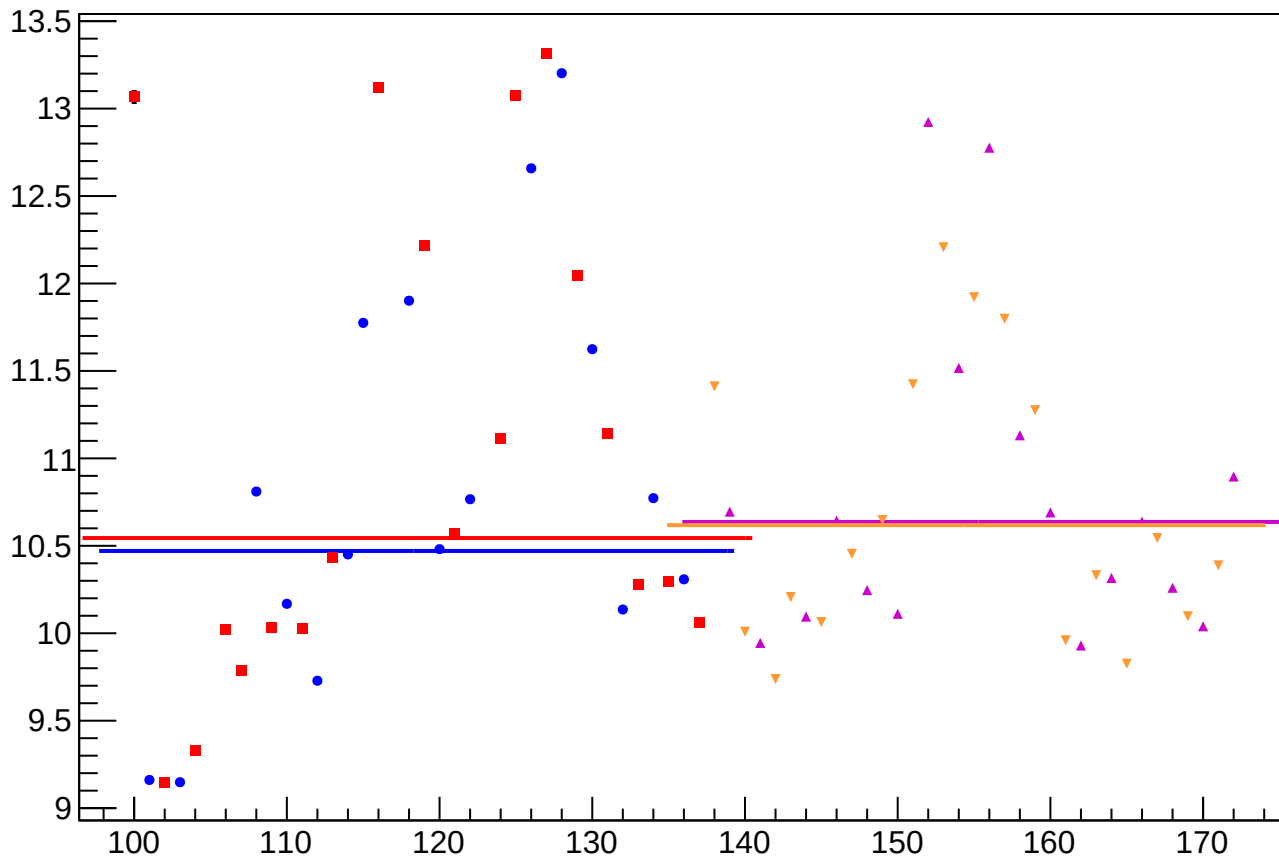
Left In: 3.481 ± 2.871 χ^2/NDF : 22.0/16

+ sign -1.449 ± 2.307 χ^2/NDF : 35.1/33

All: -1.170 ± 1.633 χ^2/NDF : 86.5/69

- sign -0.890 ± 2.312 χ^2/NDF : 51.4/35

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.471 ± 0.003 $\chi^2/\text{NDF}: 157365.8/15$

Left Out: 10.618 ± 0.002 $\chi^2/\text{NDF}: 126427.7/17$

Right Out: 10.544 ± 0.003 $\chi^2/\text{NDF}: 186780.3/18$

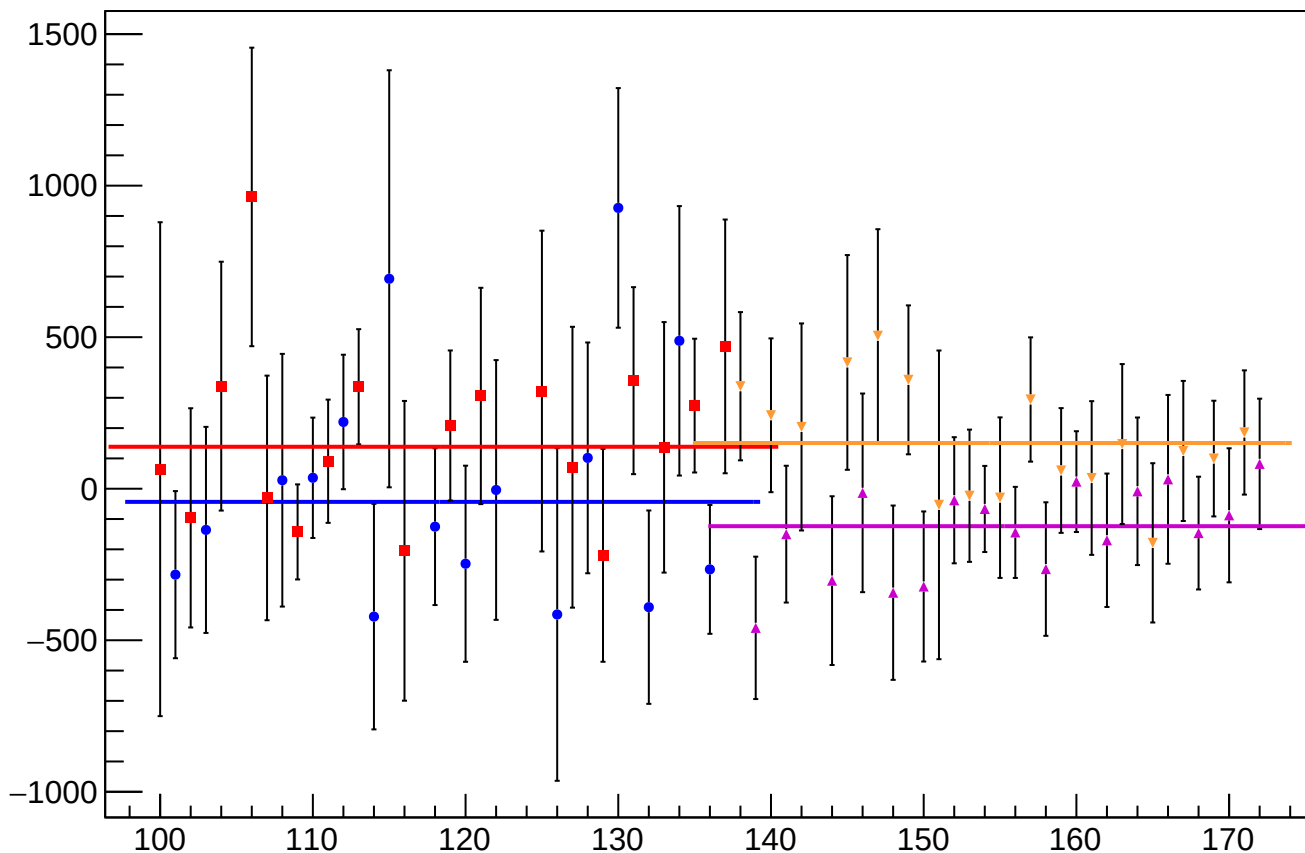
Left In: 10.636 ± 0.002 $\chi^2/\text{NDF}: 150070.9/16$

+ sign 10.568 ± 0.002 $\chi^2/\text{NDF}: 285638.1/33$

All: 10.586 ± 0.001 $\chi^2/\text{NDF}: 623461.1/69$

- sign 10.604 ± 0.002 $\chi^2/\text{NDF}: 337573.3/35$

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -43.384 ± 77.584 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 150.867 ± 60.378 $\chi^2/\text{NDF}: 6.9/16$

Right Out: 138.455 ± 69.833 $\chi^2/\text{NDF}: 11.5/17$

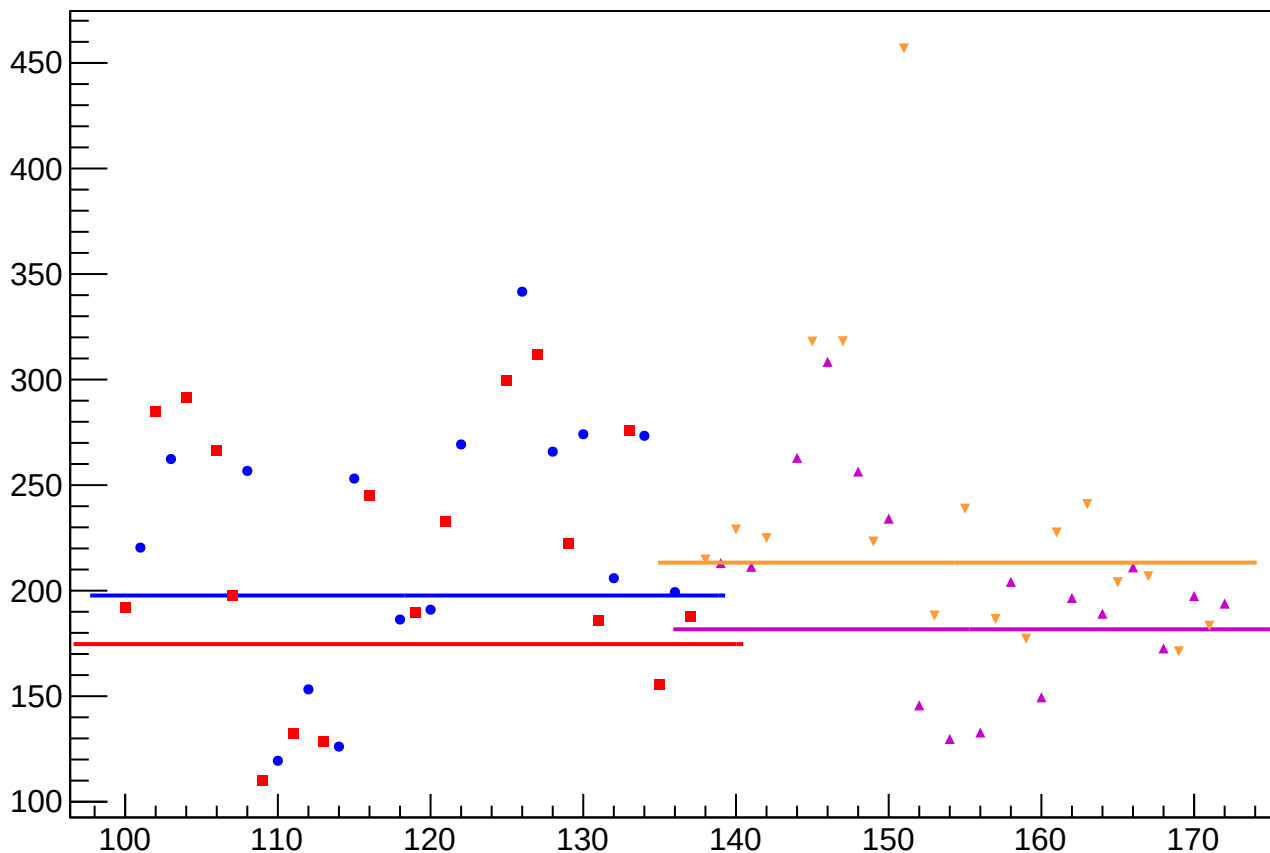
Left In: -123.648 ± 51.073 $\chi^2/\text{NDF}: 6.9/16$

+ sign 77.596 ± 47.649 $\chi^2/\text{NDF}: 26.2/32$

All: 14.741 ± 31.176 $\chi^2/\text{NDF}: 56.8/67$

- sign -32.308 ± 41.225 $\chi^2/\text{NDF}: 27.5/34$

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 197.707 ± 0.055 $\chi^2/\text{NDF}: 1000324.6/15$

Left Out: 213.290 ± 0.043 $\chi^2/\text{NDF}: 1135826.2/16$

Right Out: 174.679 ± 0.049 $\chi^2/\text{NDF}: 1534751.1/17$

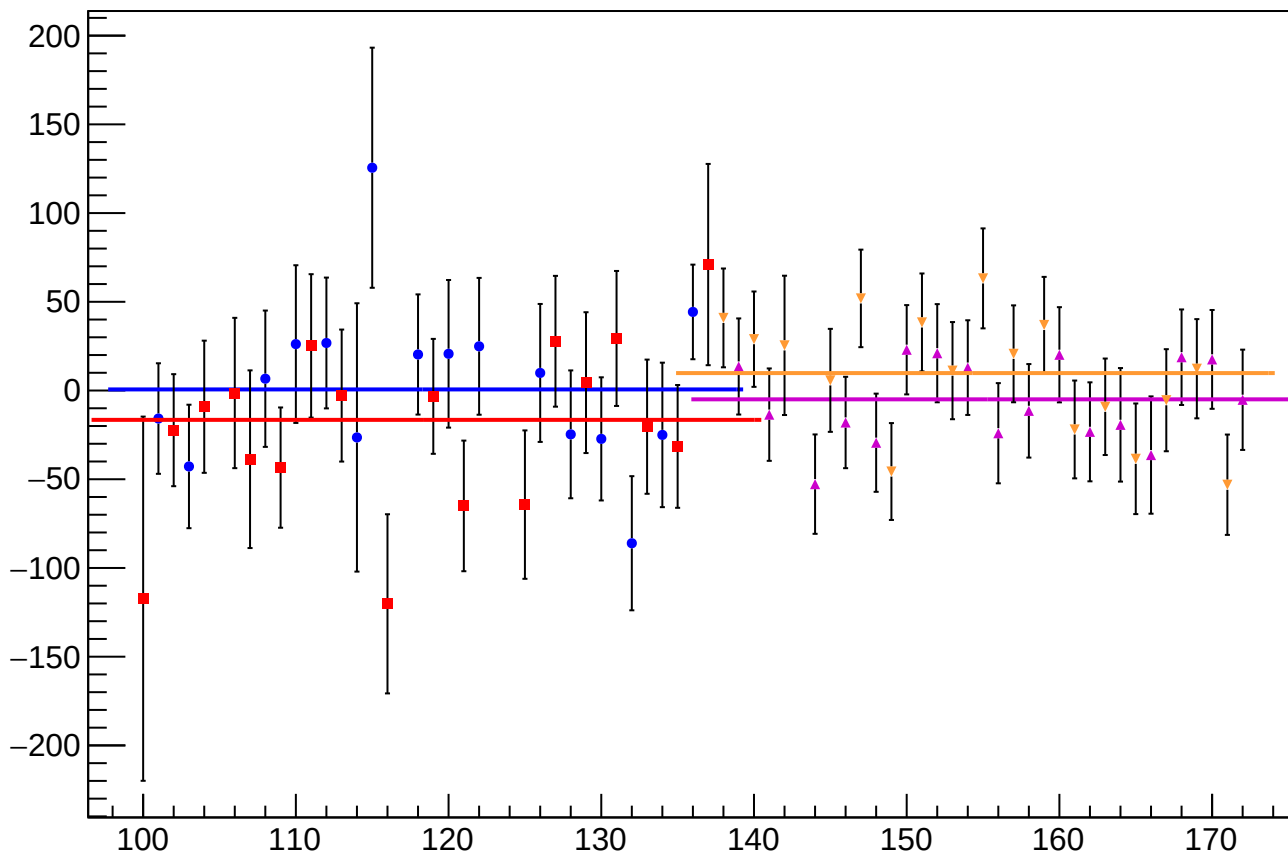
Left In: 181.698 ± 0.036 $\chi^2/\text{NDF}: 1453169.2/16$

+ sign 207.412 ± 0.034 $\chi^2/\text{NDF}: 2186398.9/32$

All: 191.307 ± 0.022 $\chi^2/\text{NDF}: 5586995.5/67$

- sign 179.252 ± 0.029 $\chi^2/\text{NDF}: 3001083.1/34$

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

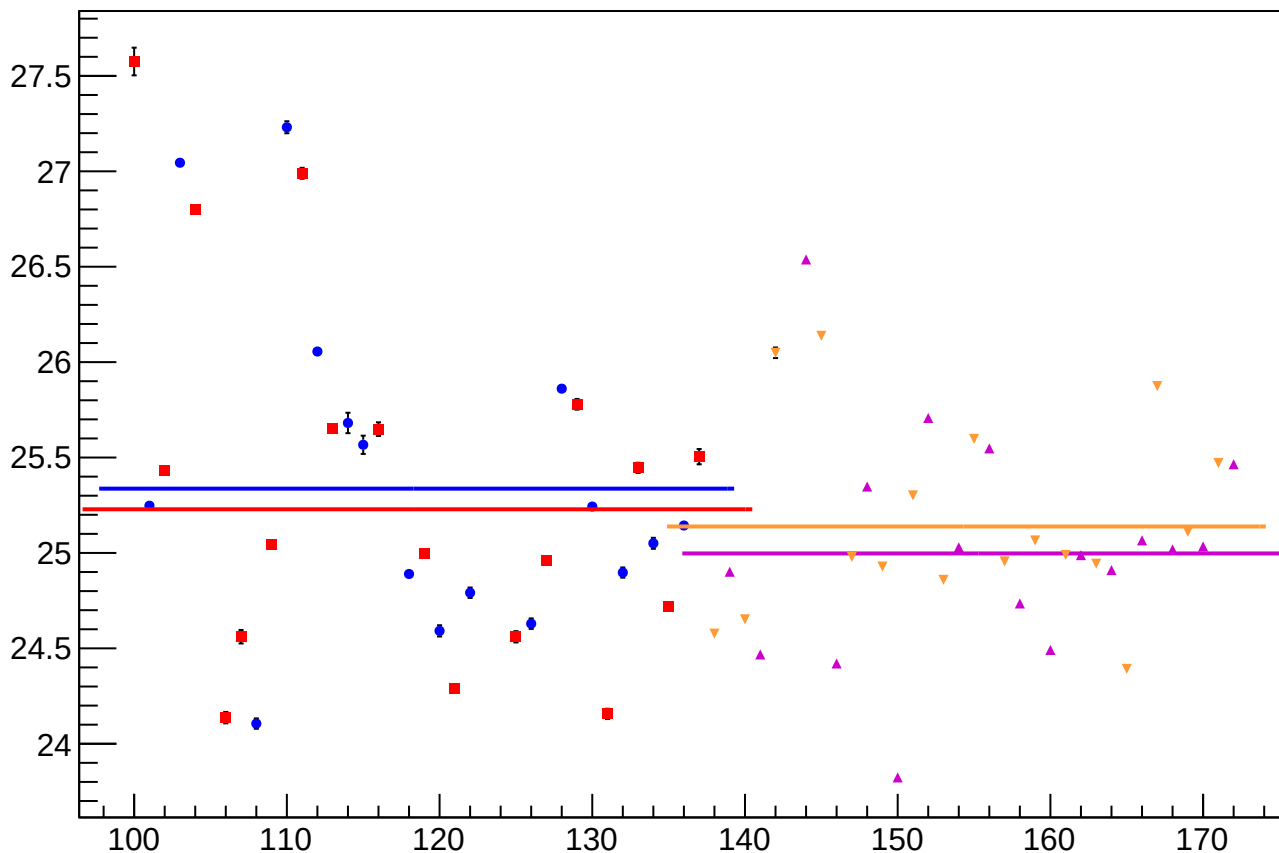
Left In: -4.967 ± 6.681 χ^2/NDF : 11.5/16

+ sign 6.636 ± 5.548 χ^2/NDF : 41.0/32

All: -1.303 ± 3.880 χ^2/NDF : 73.9/67

- sign -8.901 ± 5.427 χ^2/NDF : 28.8/34

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.337 $\pm$ 0.007 χ^2 /NDF: 14315.0/15

Left Out: 25.139 $\pm$ 0.005 χ^2 /NDF: 8911.9/16

Right Out: 25.229 $\pm$ 0.007 χ^2 /NDF: 15176.1/17

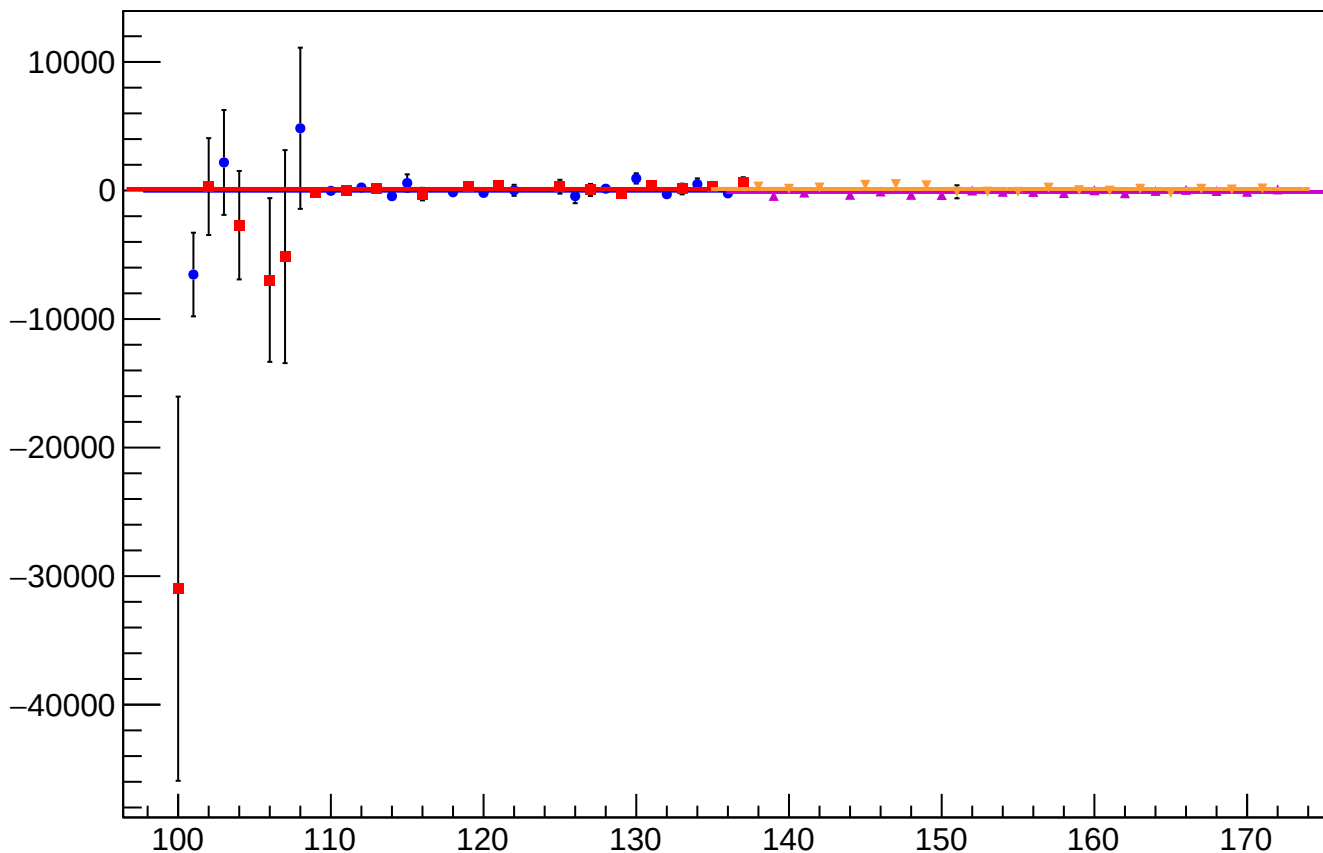
Left In: 24.997 $\pm$ 0.005 χ^2 /NDF: 16143.1/16

+ sign 25.207 $\pm$ 0.004 χ^2 /NDF: 23806.0/32

All: 25.140 $\pm$ 0.003 χ^2 /NDF: 56514.1/67

- sign 25.076 $\pm$ 0.004 χ^2 /NDF: 32135.1/34

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -13.160 $\pm$ 84.454 χ^2 /NDF: 18.3/15

Left Out: 114.946 $\pm$ 60.705 χ^2 /NDF: 7.8/16

Right Out: 119.984 $\pm$ 78.247 χ^2 /NDF: 14.4/17

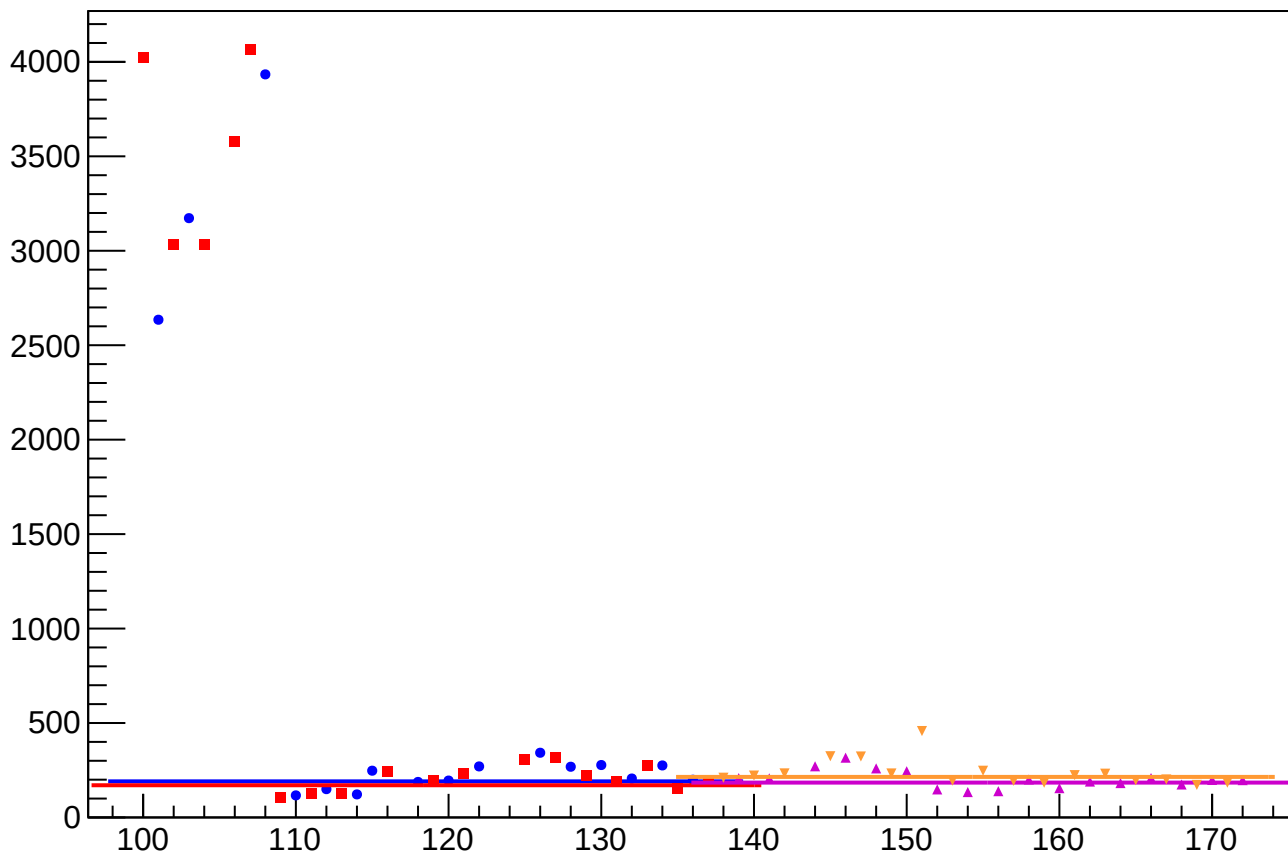
Left In: -113.084 $\pm$ 51.734 χ^2 /NDF: 6.5/16

+ sign 71.306 $\pm$ 49.292 χ^2 /NDF: 27.7/32

All: 7.056 $\pm$ 32.469 χ^2 /NDF: 57.7/67

- sign -42.191 $\pm$ 43.155 χ^2 /NDF: 27.0/34

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

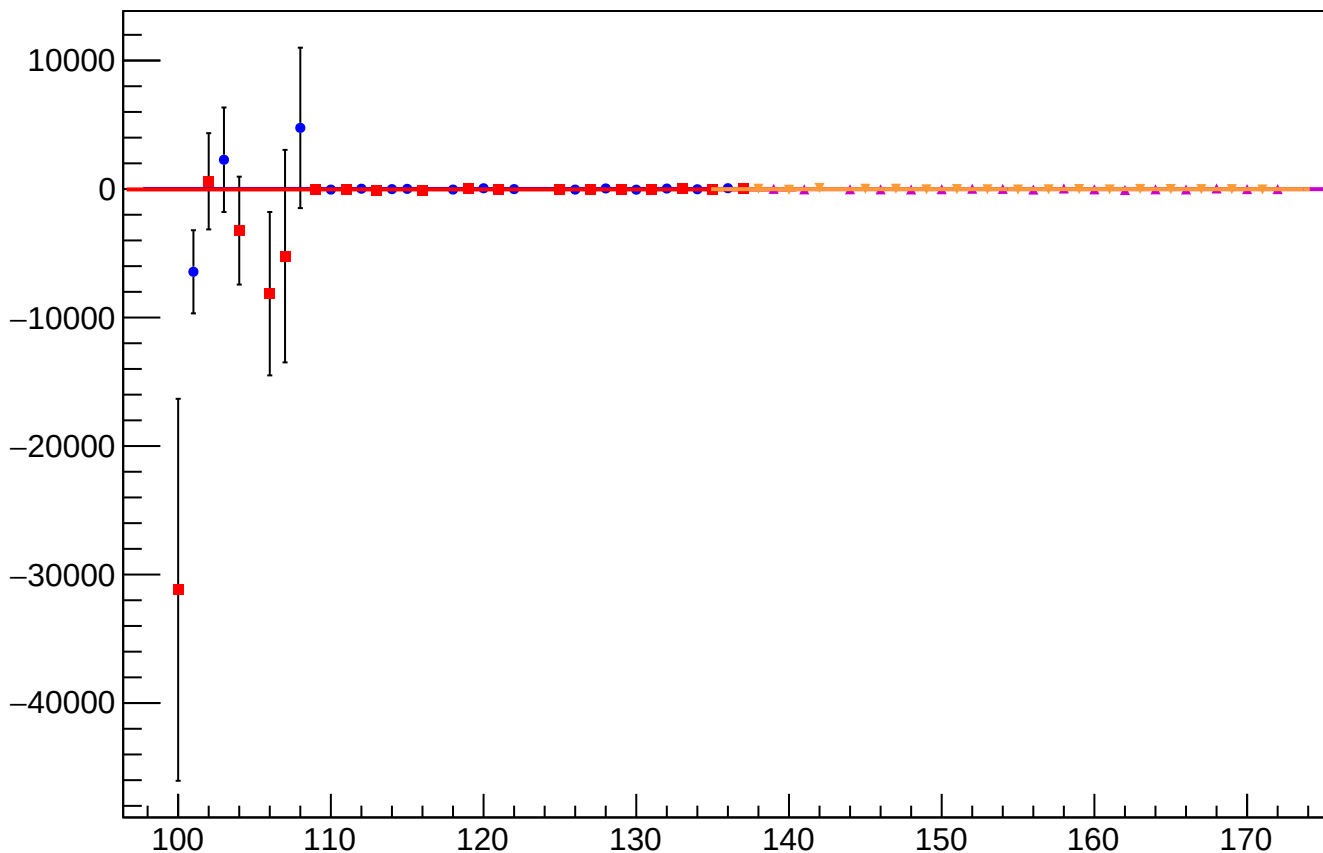
Left In: 184.518+/-0.037 χ^2/NDF :1336982.3/16

+ sign 206.612+/-0.035 χ^2/NDF : 5053137.8/32

All: 191.690+/-0.023 χ^2/NDF : 11013414.0/67

- sign 180.252+/-0.031 χ^2/NDF : 5636508.8/34

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

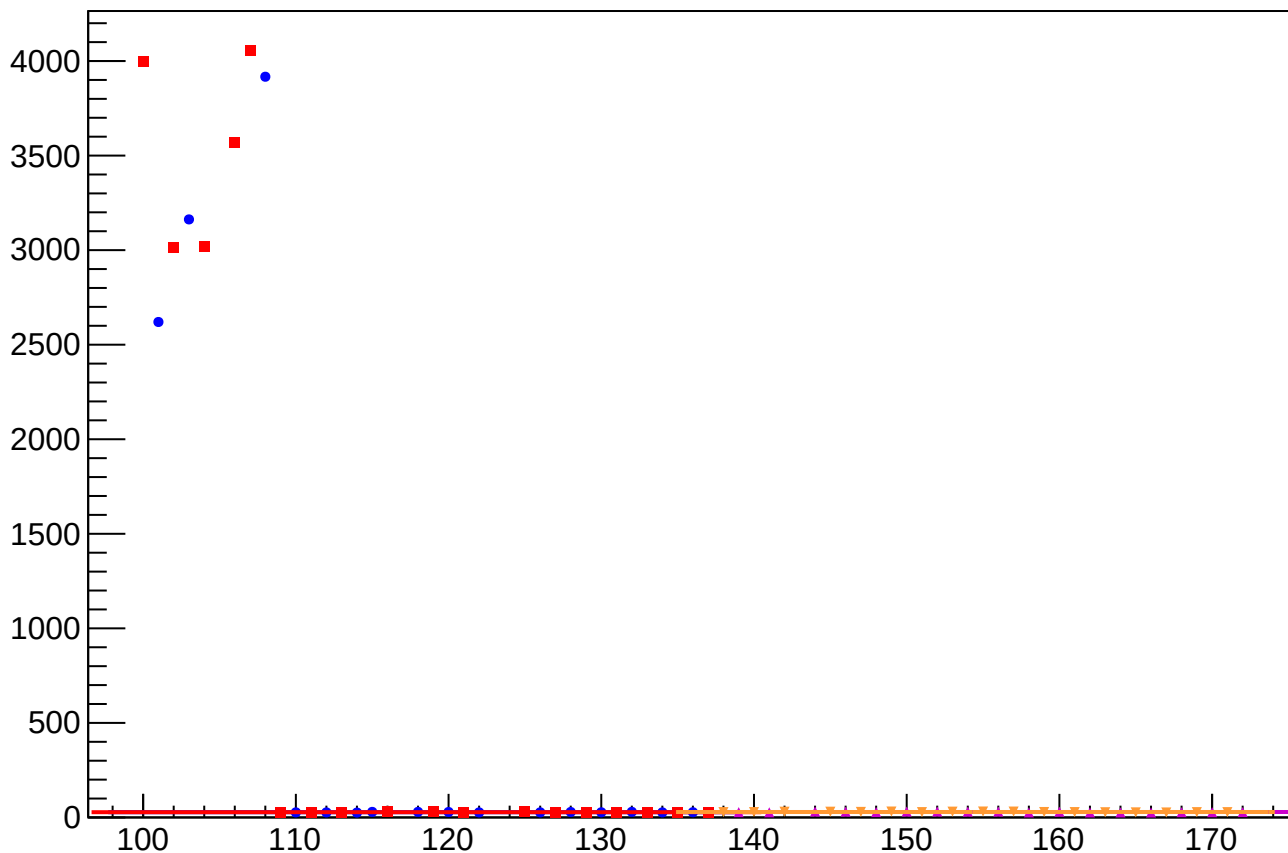
Left In: -8.337+/-7.737 χ^2 /NDF: 16.0/16

+ sign -4.356+/-6.541 χ^2 /NDF: 31.1/32

All: -9.623+/-4.616 χ^2 /NDF: 70.7/67

- sign -14.851+/-6.516 χ^2 /NDF: 38.3/34

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

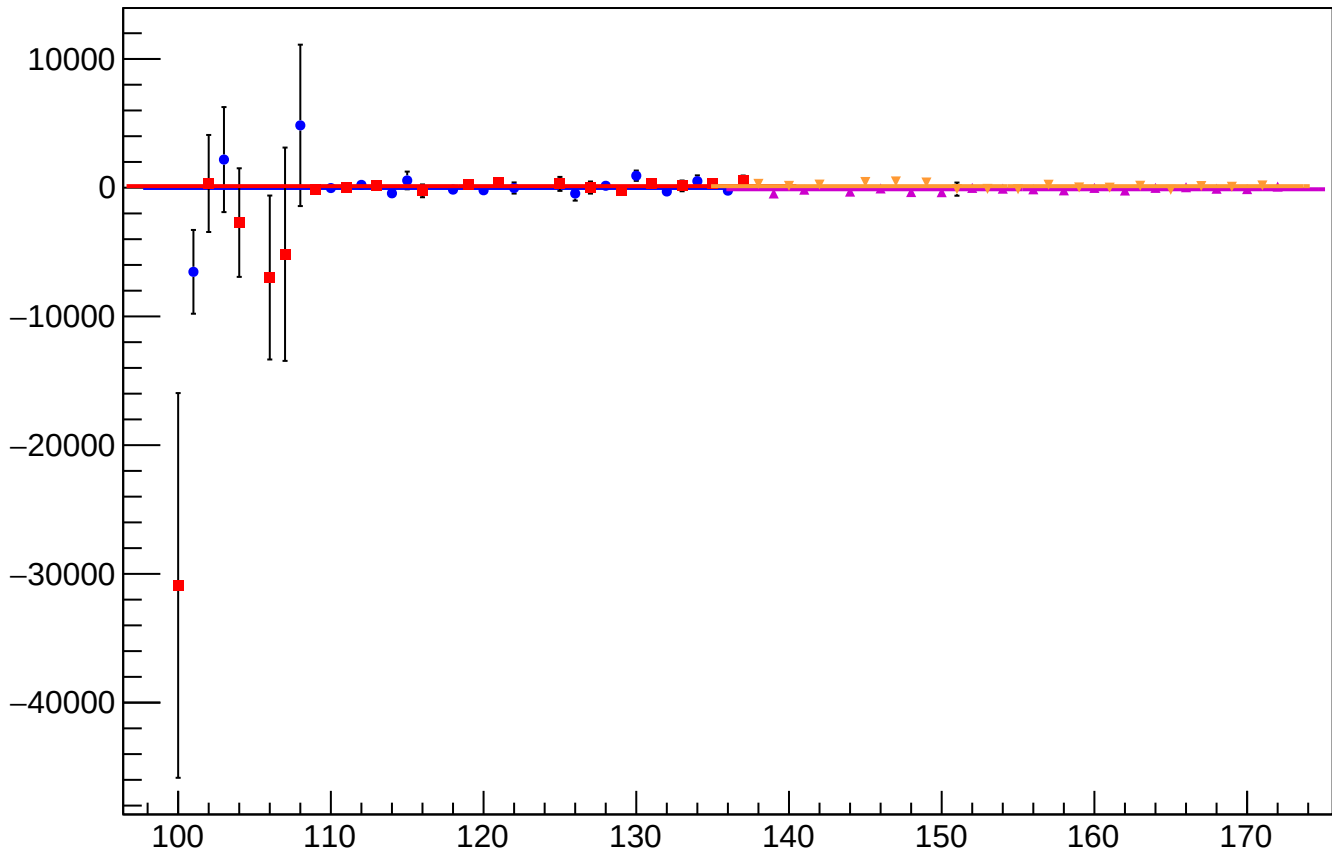
Left In: 28.873+/-0.005 χ^2/NDF : 111811.9/16

+ sign 28.476+/-0.005 χ^2/NDF : 3347428.4/32

All: 28.516+/-0.003 χ^2/NDF : 7029437.1/67

- sign 28.555+/-0.005 χ^2/NDF : 3681861.9/34

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

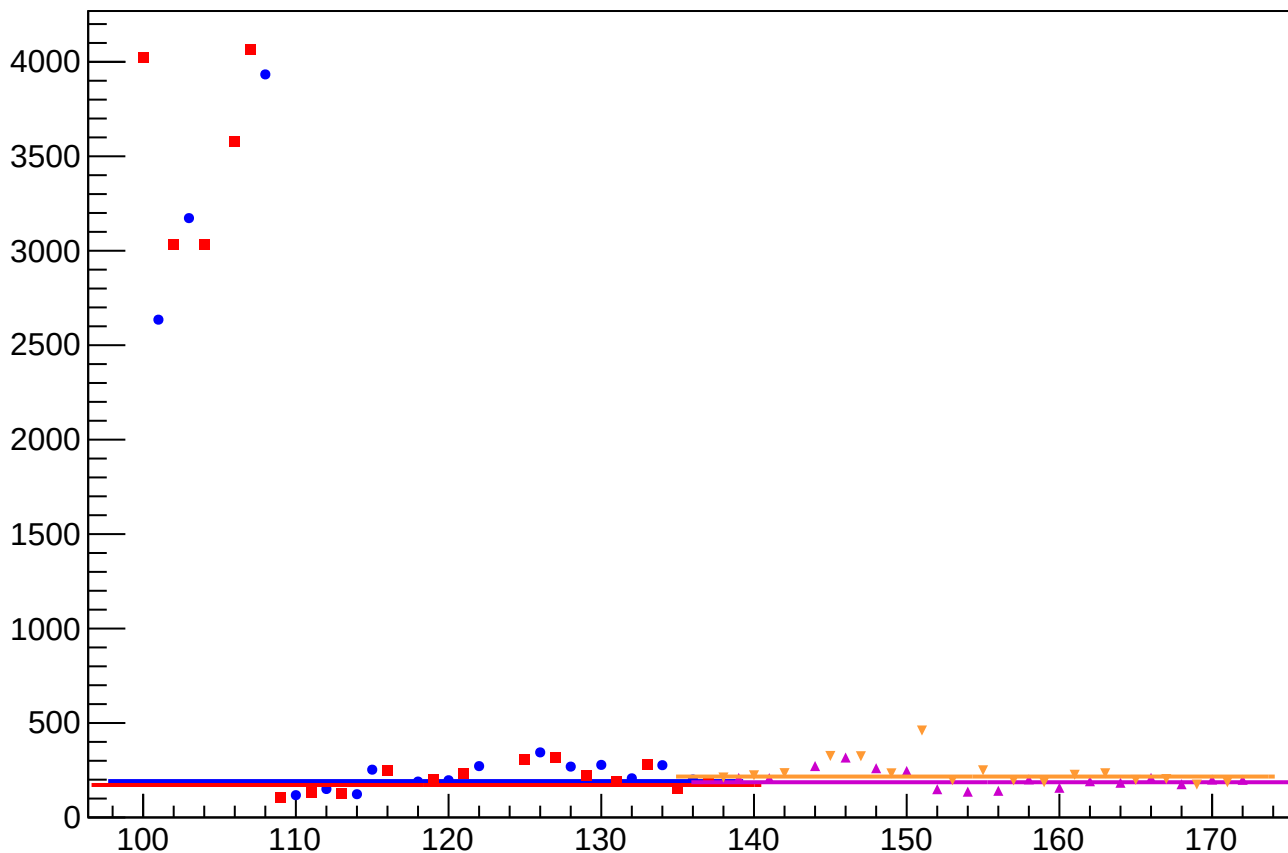
Left In: -122.120 ± 52.225 χ^2/NDF : 6.3/16

+ sign 72.375 ± 49.682 χ^2/NDF : 27.5/32

All: 4.396 ± 32.745 χ^2/NDF : 57.0/67

- sign -47.813 ± 43.540 χ^2/NDF : 26.2/34

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

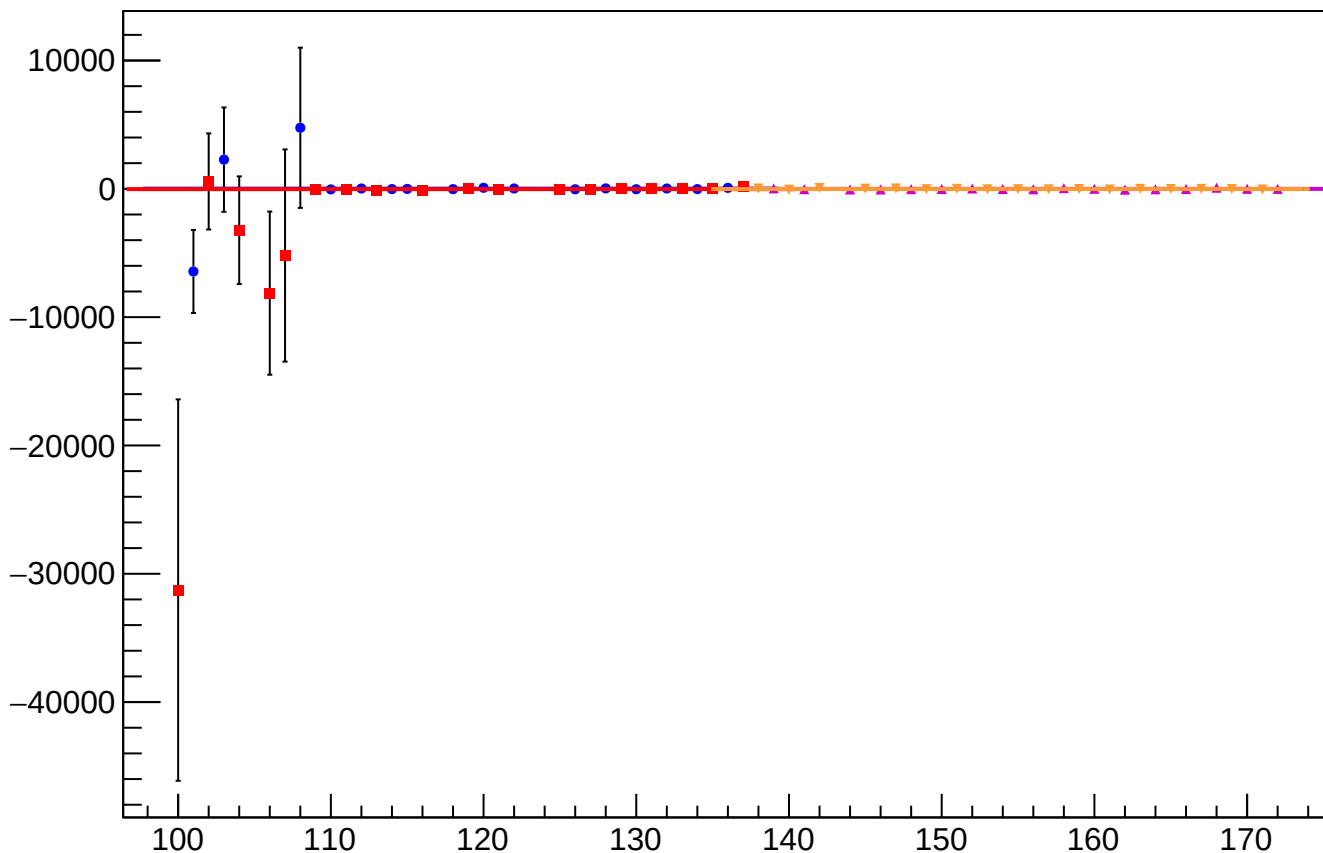
Left In: 186.435+/-0.037 χ^2/NDF : 1296777.3/16

+ sign 208.351+/-0.035 χ^2/NDF : 5025812.7/32

All: 193.448+/-0.023 χ^2/NDF : 10935813.3/67

- sign 182.002+/-0.031 χ^2/NDF : 5591826.1/34

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

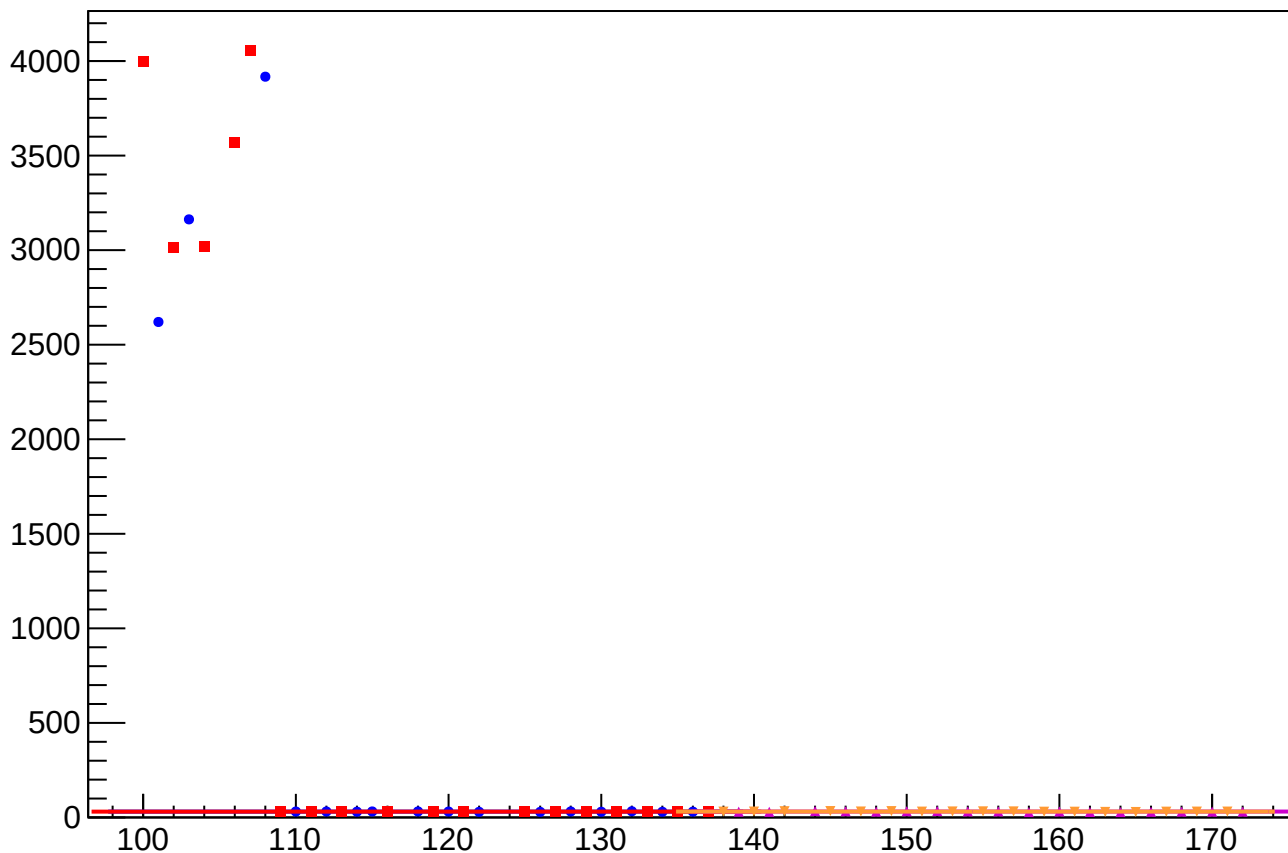
Left In: -2.838+/-8.348 χ^2/NDF : 22.5/16

+ sign -7.539+/-7.121 χ^2/NDF : 31.9/32

All: -7.861+/-5.022 χ^2/NDF : 84.3/67

- sign -8.180+/-7.083 χ^2/NDF : 52.4/34

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

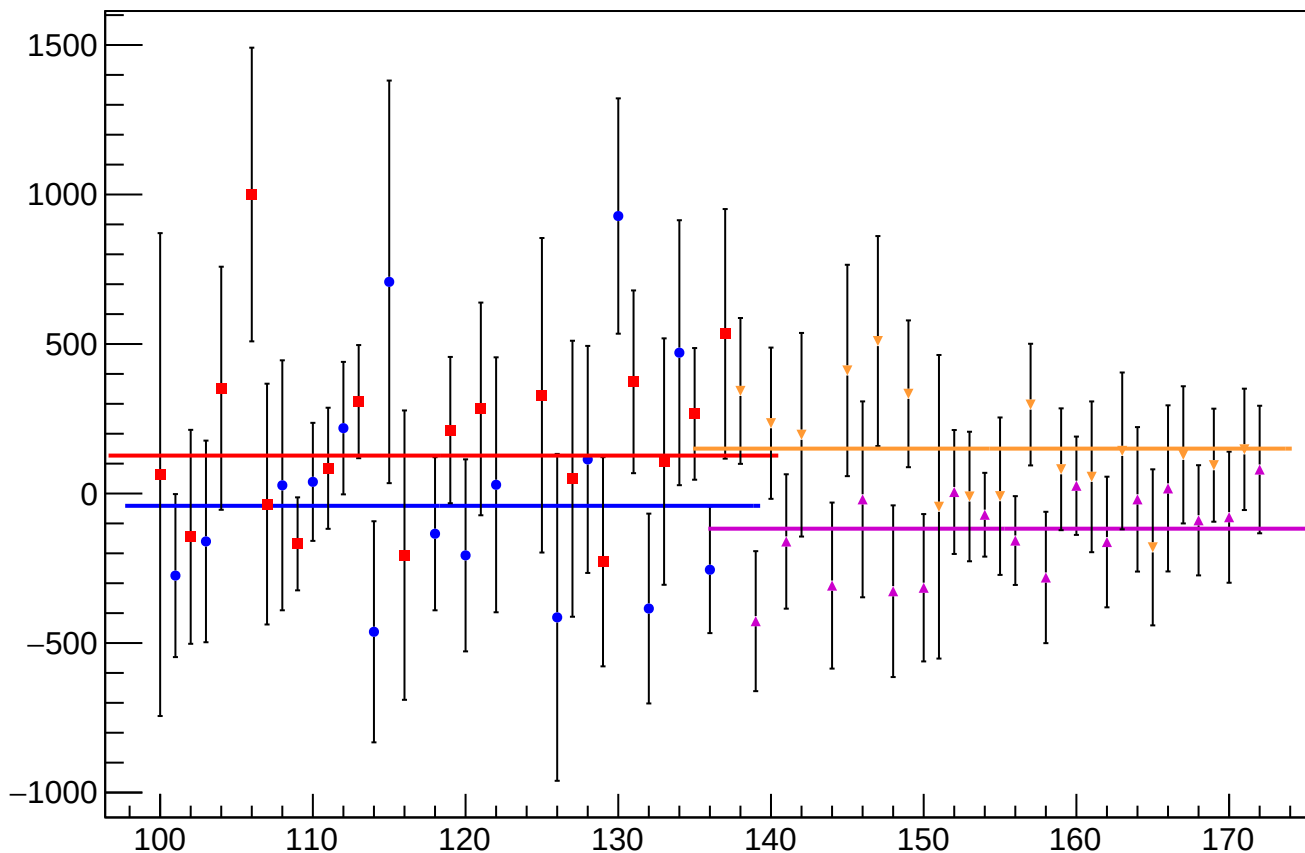
Left In: 31.176+/-0.006 χ^2/NDF : 77174.6/16

+ sign 31.033+/-0.005 χ^2/NDF : 3294624.9/32

All: 31.052+/-0.004 χ^2/NDF : 6908899.9/67

- sign 31.072+/-0.005 χ^2/NDF : 3614244.9/34

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

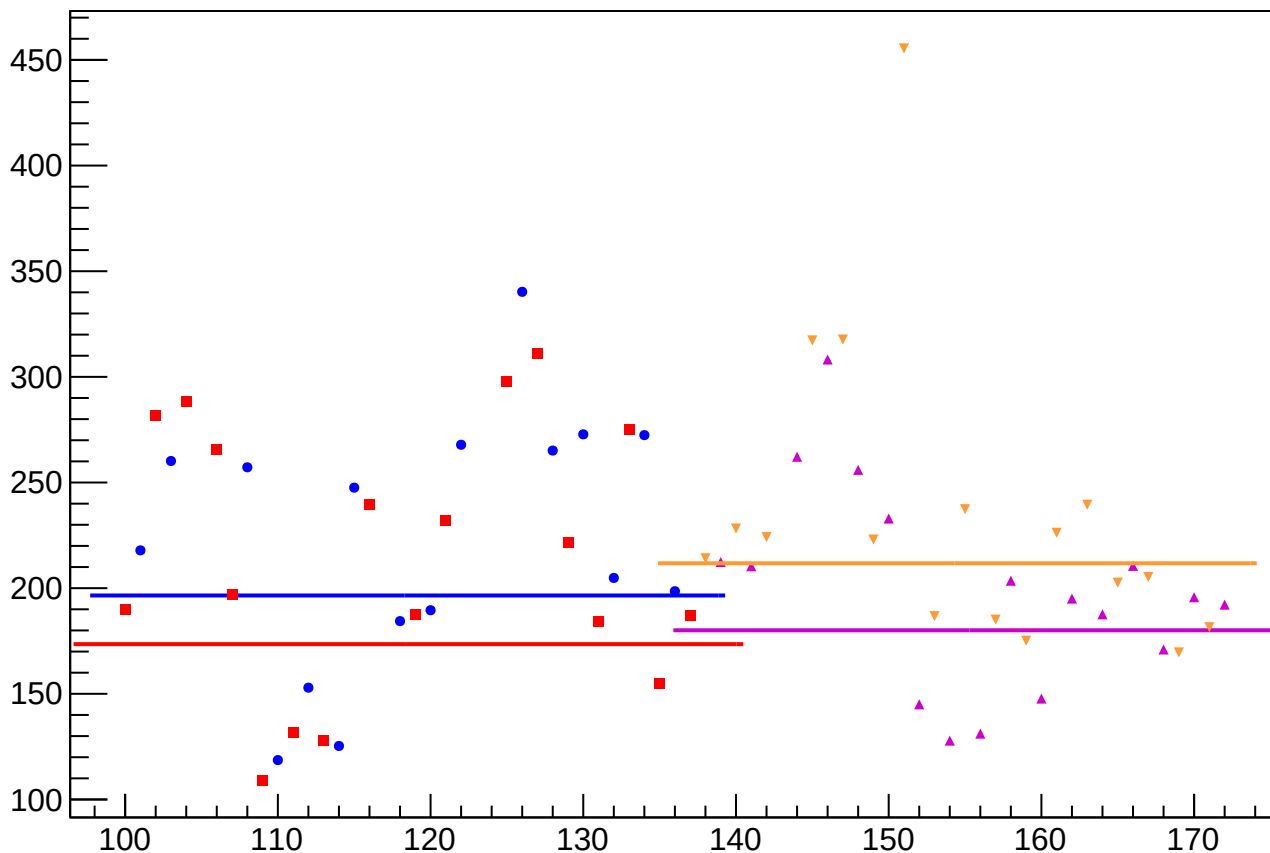
Left In: -117.586 ± 50.667 χ^2/NDF : 6.7/16

+ sign 78.097 ± 47.354 χ^2/NDF : 25.9/32

All: 14.747 ± 30.961 χ^2/NDF : 56.6/67

- sign -32.554 ± 40.918 χ^2/NDF : 27.6/34

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 196.542 $\pm$ 0.055 χ^2 /NDF: 1000770.4/15

Left Out: 211.784 $\pm$ 0.042 χ^2 /NDF:1157911.3/16

Right Out: 173.509 $\pm$ 0.049 χ^2 /NDF: 1532720.5/17

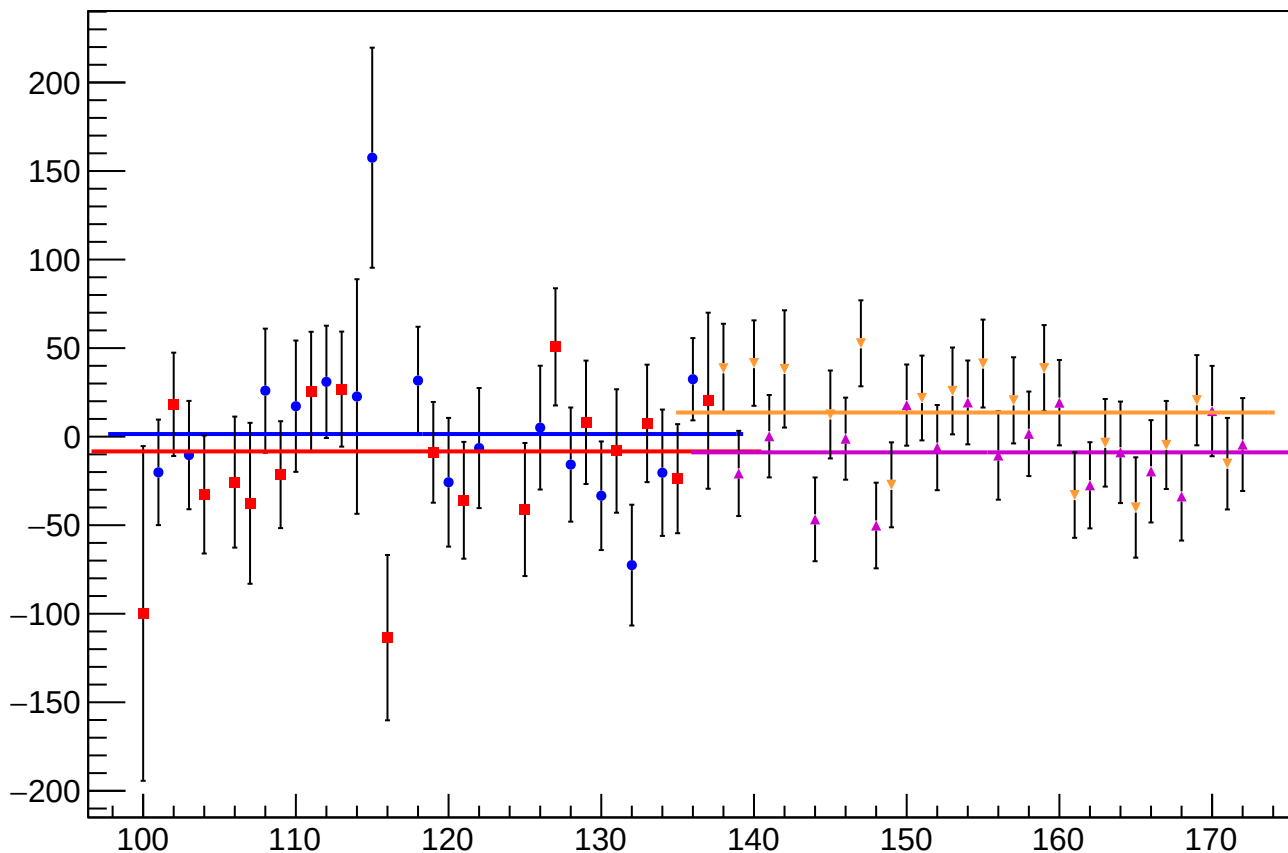
Left In: 180.081 $\pm$ 0.036 χ^2 /NDF:1496387.2/16

+ sign 206.040 $\pm$ 0.033 χ^2 /NDF: 2207339.4/32

All: 189.869 $\pm$ 0.022 χ^2 /NDF: 5655513.2/67

- sign 177.795 $\pm$ 0.029 χ^2 /NDF: 3040810.4/34

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

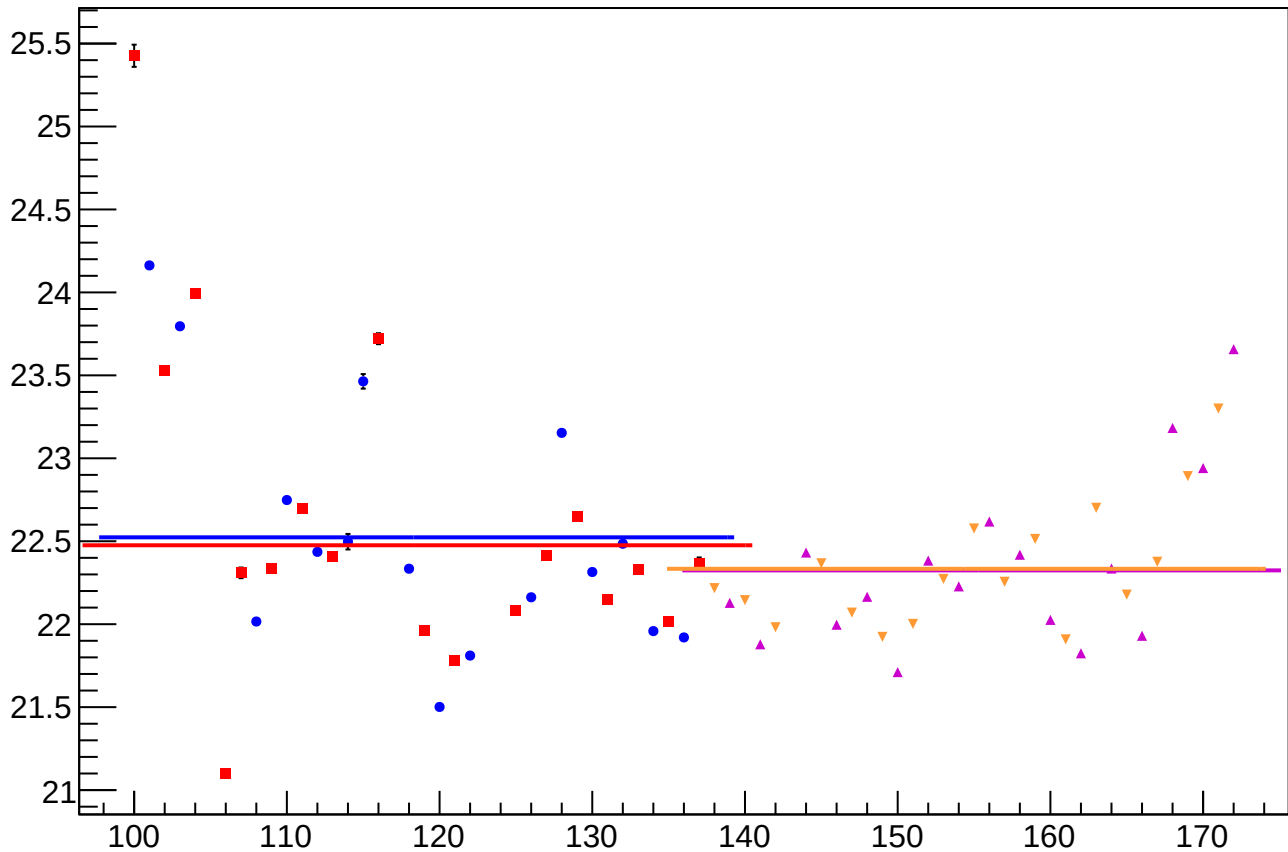
Left In: -8.868 ± 5.962 χ^2/NDF : 12.9/16

+ sign 9.420 ± 4.926 χ^2/NDF : 40.8/32

All: 0.207 ± 3.452 χ^2/NDF : 76.6/67

- sign -8.684 ± 4.839 χ^2/NDF : 28.9/34

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

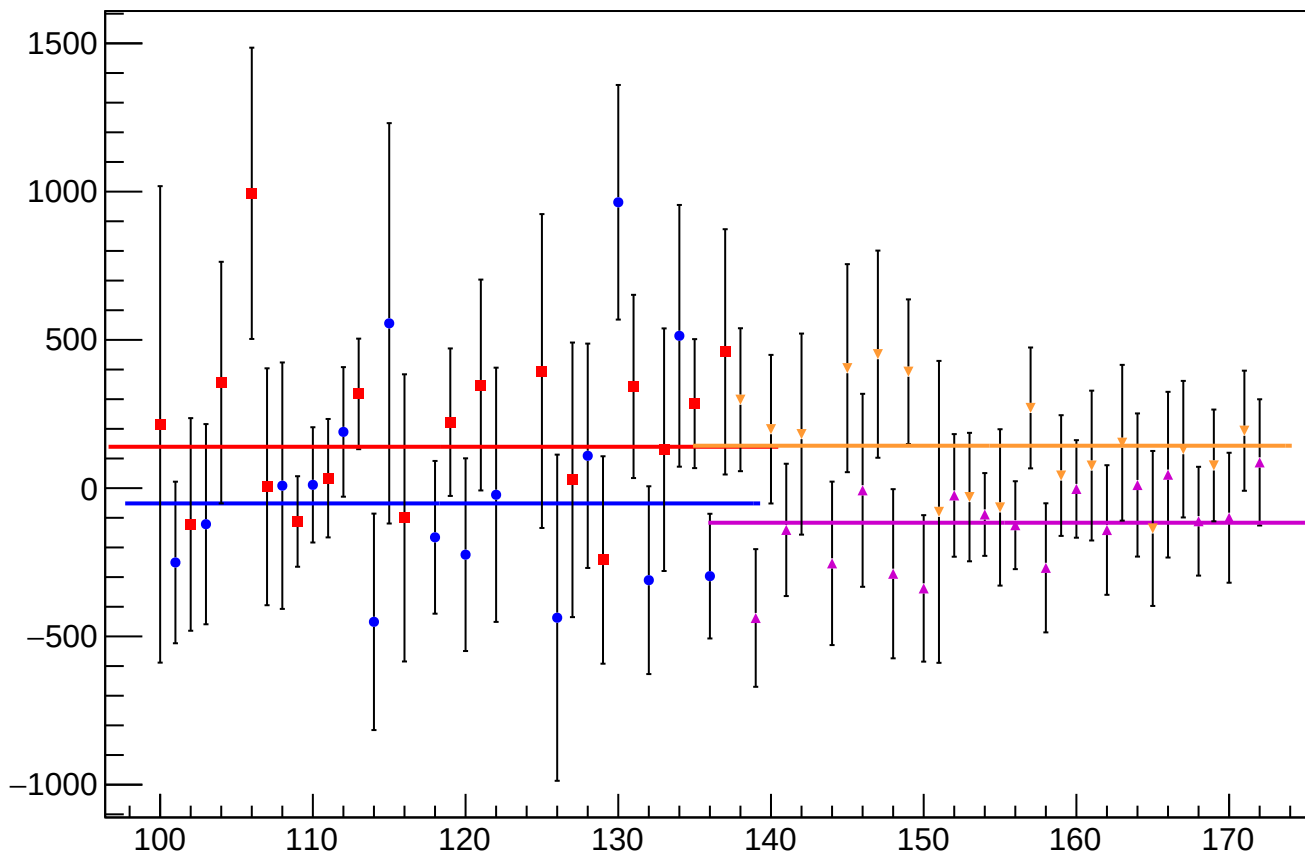
Left In: 22.324+/-0.004 χ^2 /NDF: 13409.0/16

+ sign 22.400+/-0.003 χ^2 /NDF: 23440.0/32

All: 22.388+/-0.002 χ^2 /NDF: 52848.4/67

- sign 22.376+/-0.003 χ^2 /NDF: 29385.0/34

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

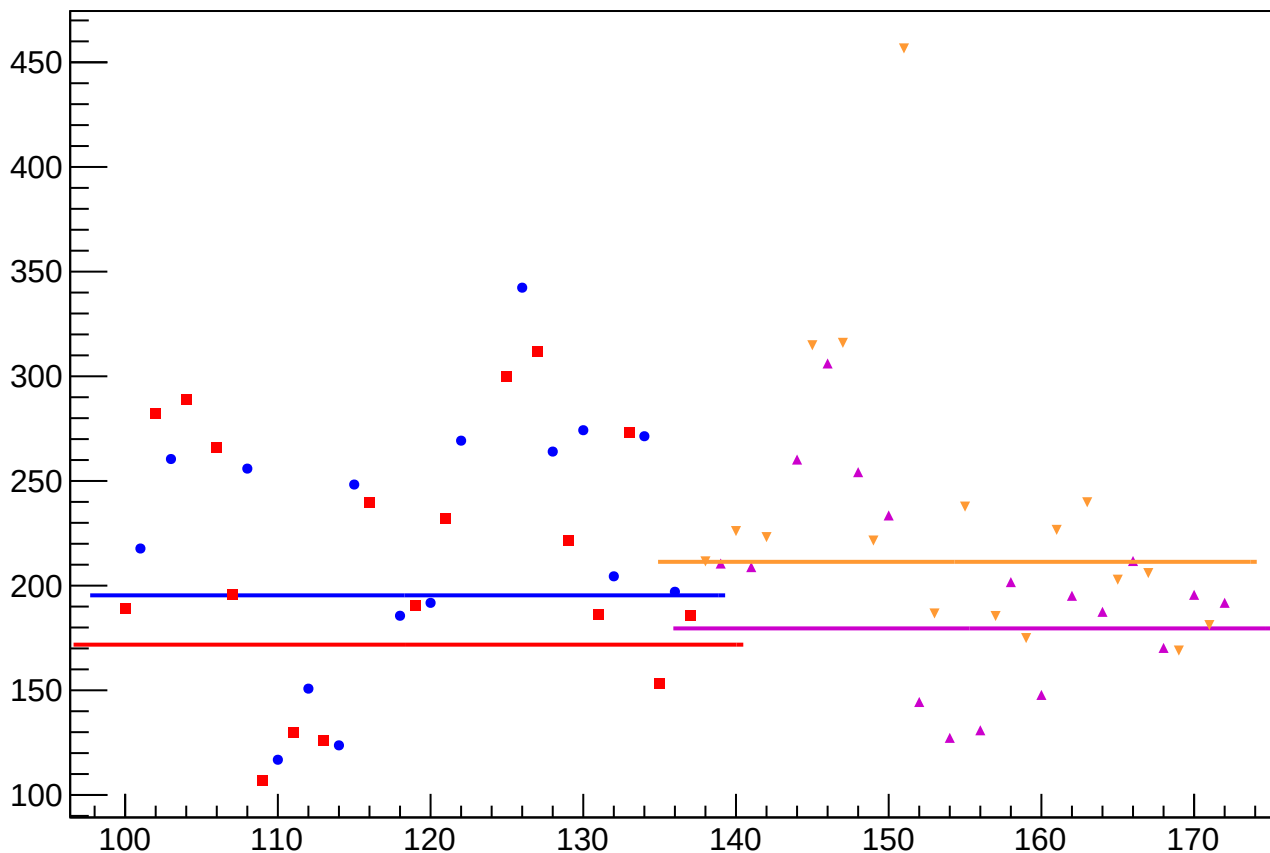
Left In: -116.650 ± 50.525 χ^2/NDF : 6.2/16

+ sign 69.528 ± 47.219 χ^2/NDF : 25.7/32

All: 14.172 ± 30.846 χ^2/NDF : 54.8/67

- sign -27.039 ± 40.742 χ^2/NDF : 26.8/34

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 195.361 $\pm$ 0.054 χ^2/NDF : 1041432.1/15

Left Out: 211.374 $\pm$ 0.042 χ^2/NDF : 1152283.5/16

Right Out: 171.805 $\pm$ 0.049 χ^2/NDF : 1600663.6/17

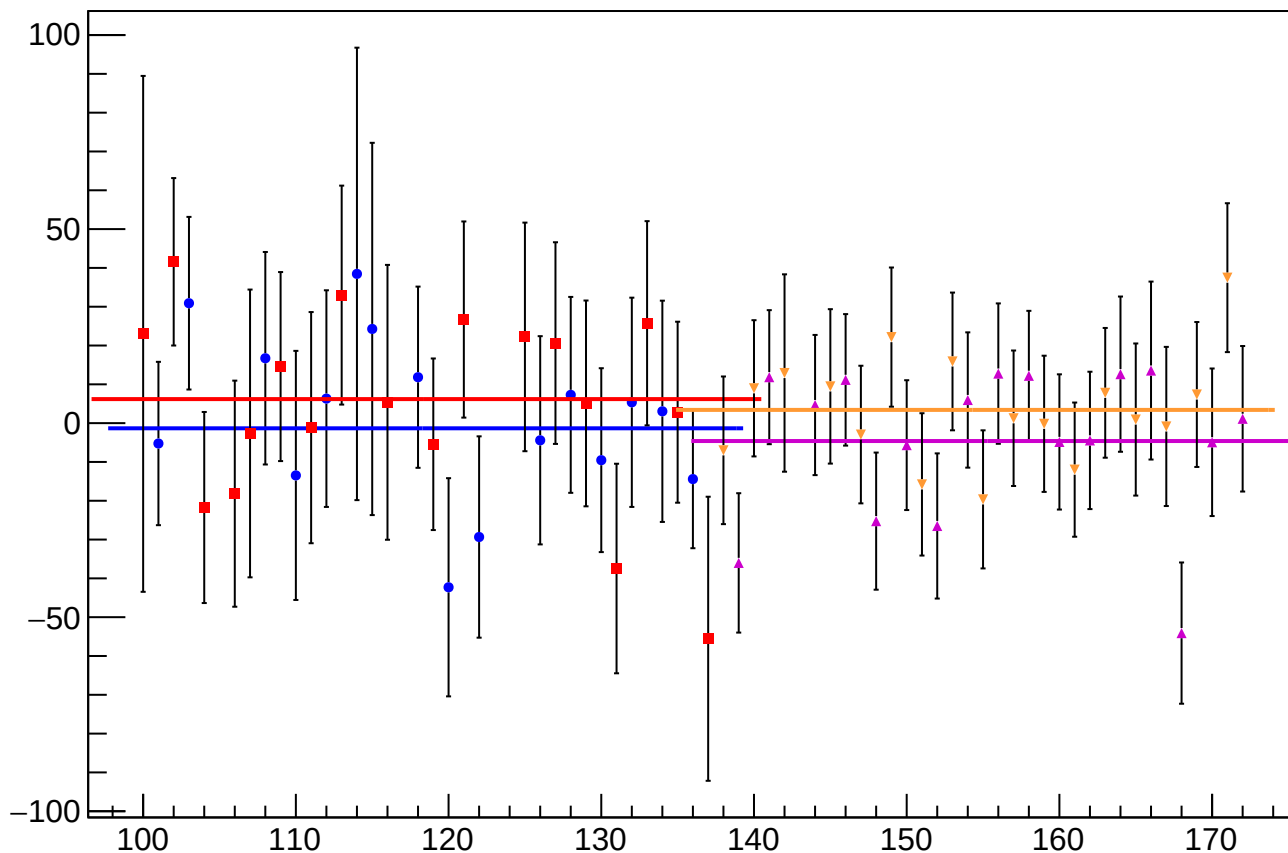
Left In: 179.568 $\pm$ 0.036 χ^2/NDF : 1486804.9/16

+ sign 205.321 $\pm$ 0.033 χ^2/NDF : 2247800.3/32

All: 189.002 $\pm$ 0.022 χ^2/NDF : 5768514.3/67

- sign 176.853 $\pm$ 0.029 χ^2/NDF : 3103983.9/34

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.331 ± 6.499 $\chi^2/\text{NDF}: 8.0/15$

Left Out: 3.412 ± 4.486 $\chi^2/\text{NDF}: 9.3/16$

Right Out: 6.195 ± 6.473 $\chi^2/\text{NDF}: 13.5/17$

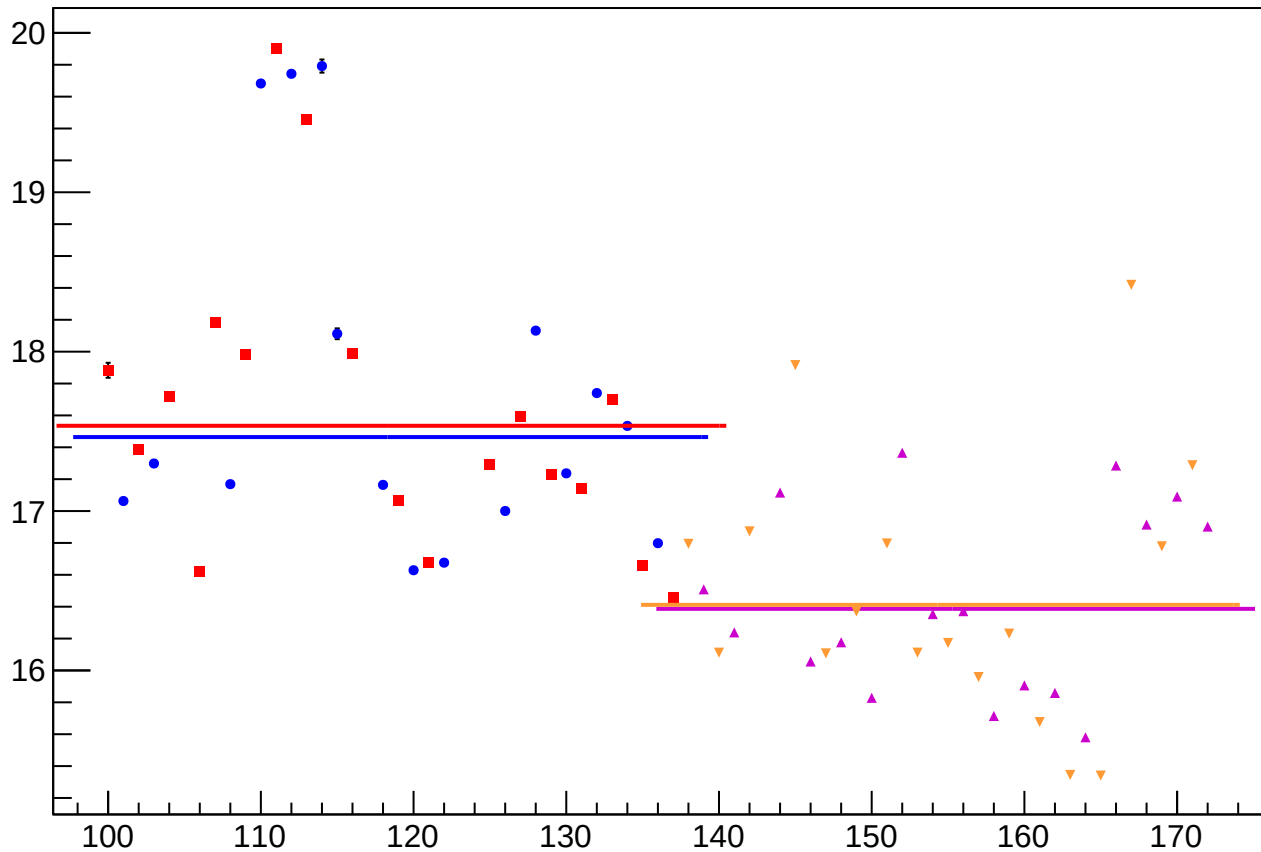
Left In: -4.610 ± 4.382 $\chi^2/\text{NDF}: 19.0/16$

+ sign 1.881 ± 3.692 $\chi^2/\text{NDF}: 17.7/32$

All: 0.307 ± 2.588 $\chi^2/\text{NDF}: 52.4/67$

- sign -1.214 ± 3.629 $\chi^2/\text{NDF}: 34.4/34$

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.464 $\pm$ 0.005 χ^2 /NDF: 36650.1/15

Left Out: 16.412 $\pm$ 0.003 χ^2 /NDF: 59312.2/16

Right Out: 17.535 $\pm$ 0.005 χ^2 /NDF: 34475.1/17

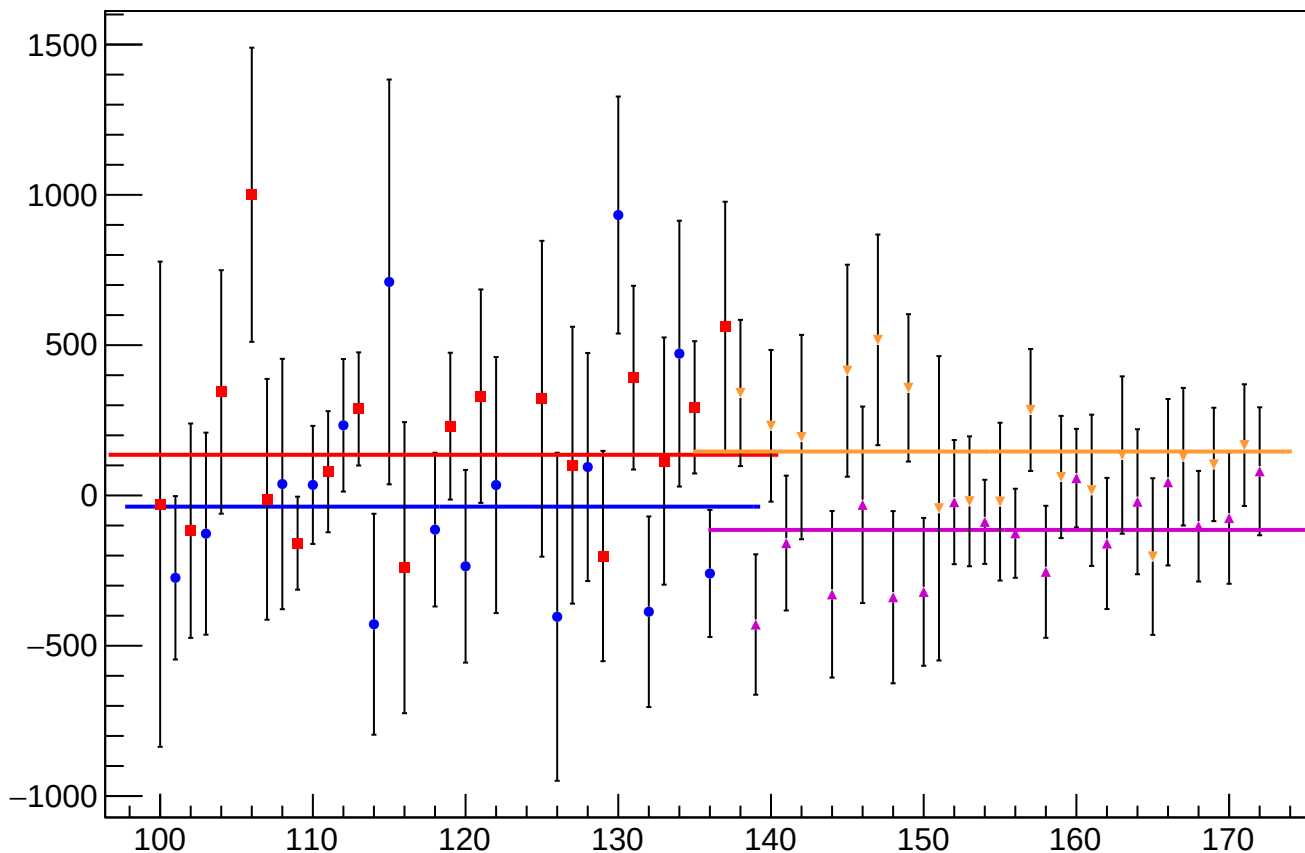
Left In: 16.386 $\pm$ 0.003 χ^2 /NDF: 31055.8/16

+ sign 16.751 $\pm$ 0.003 χ^2 /NDF: 131502.2/32

All: 16.749 $\pm$ 0.002 χ^2 /NDF: 240219.0/67

- sign 16.747 $\pm$ 0.003 χ^2 /NDF: 108715.7/34

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -37.241 ± 76.915 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 146.120 ± 59.856 $\chi^2/\text{NDF}: 7.1/16$

Right Out: 135.279 ± 69.157 $\chi^2/\text{NDF}: 12.8/17$

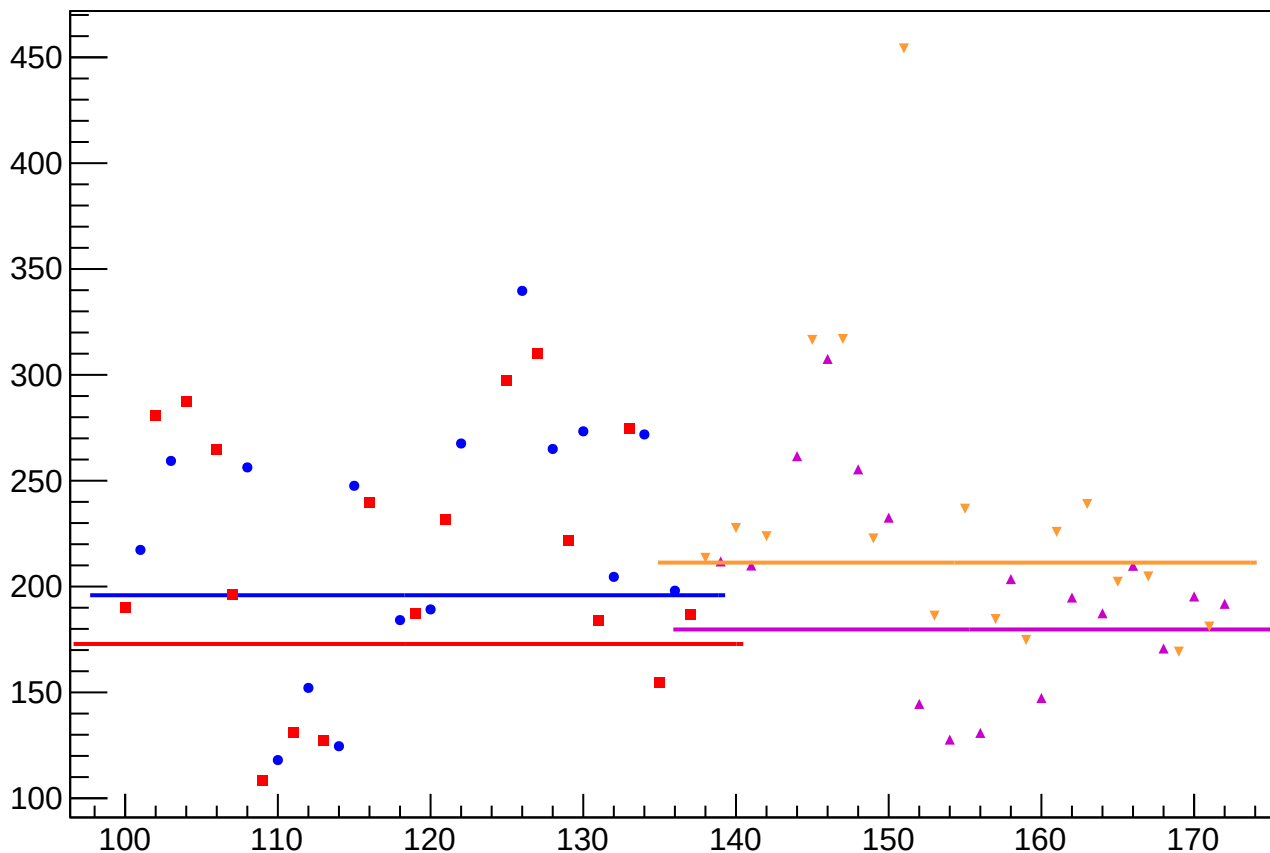
Left In: -114.666 ± 50.569 $\chi^2/\text{NDF}: 7.0/16$

+ sign 76.959 ± 47.238 $\chi^2/\text{NDF}: 26.3/32$

All: 17.107 ± 30.886 $\chi^2/\text{NDF}: 57.4/67$

- sign -27.587 ± 40.820 $\chi^2/\text{NDF}: 28.3/34$

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 195.900 $\pm$ 0.054 χ^2 /NDF: 1011012.3/15

Left Out: 211.321 $\pm$ 0.042 χ^2 /NDF:1157571.1/16

Right Out: 172.873 $\pm$ 0.049 χ^2 /NDF: 1543258.3/17

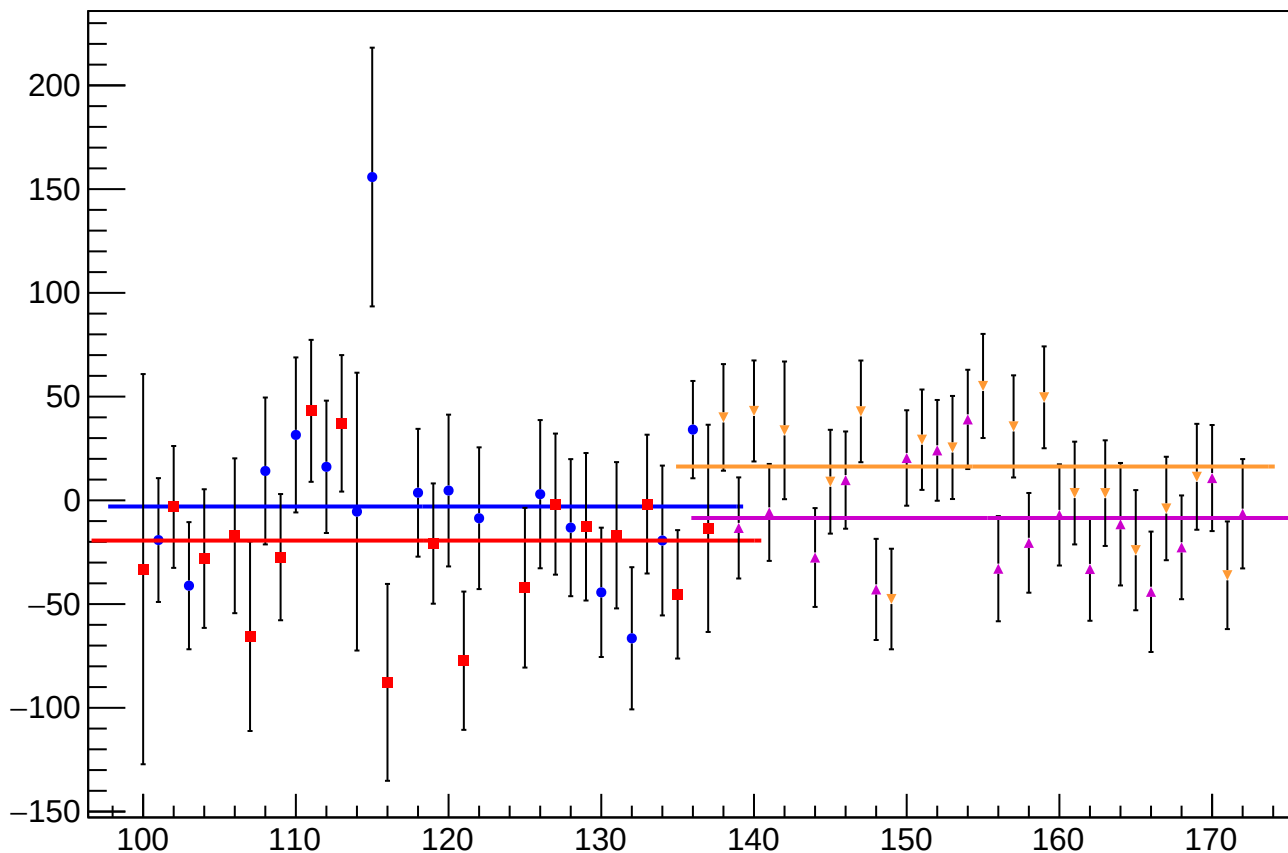
Left In: 179.733 $\pm$ 0.036 χ^2 /NDF:1496361.7/16

+ sign 205.504 $\pm$ 0.033 χ^2 /NDF: 2218657.1/32

All: 189.382 $\pm$ 0.022 χ^2 /NDF: 5678047.6/67

- sign 177.343 $\pm$ 0.029 χ^2 /NDF: 3052441.5/34

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

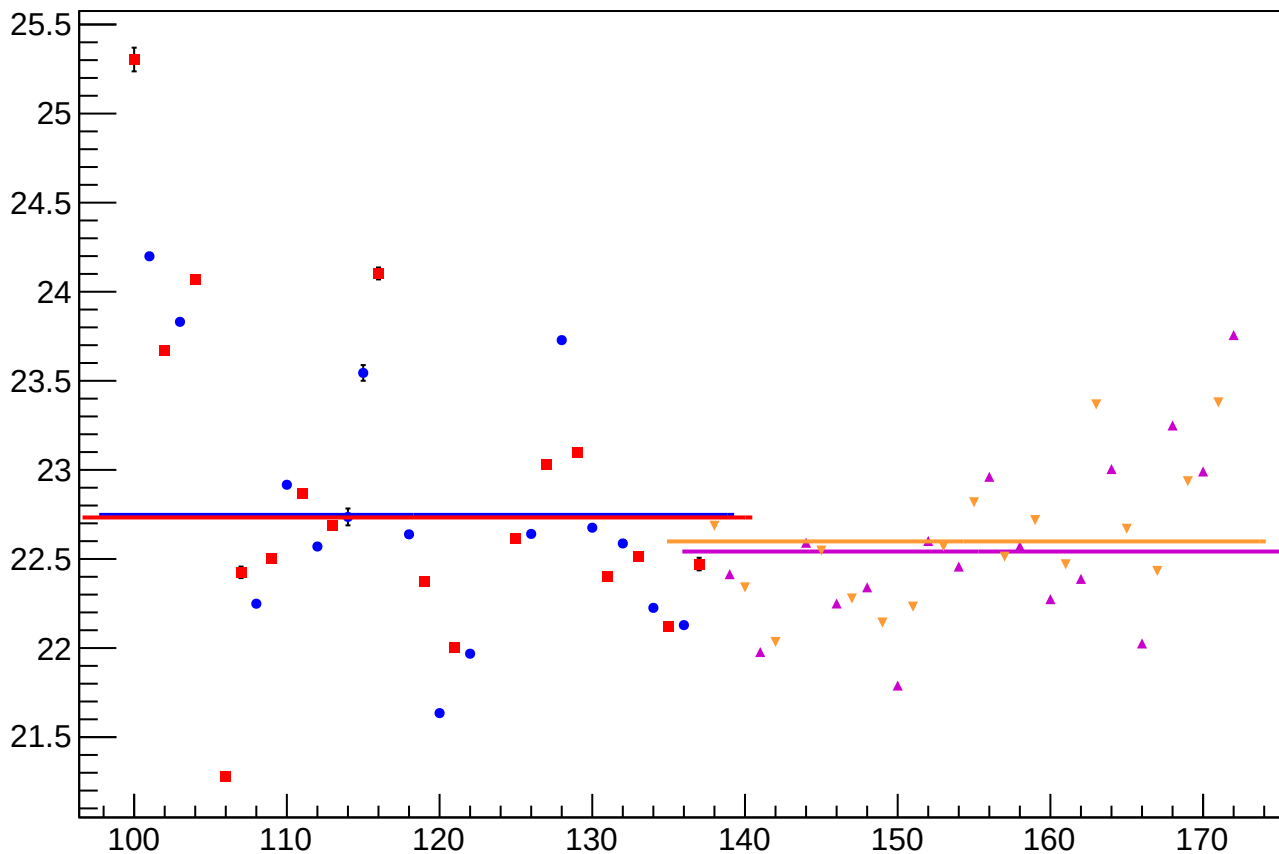
Left In: -8.508 ± 6.020 χ^2/NDF : 15.2/16

+ sign 9.608 ± 4.982 χ^2/NDF : 44.4/32

All: -1.505 ± 3.490 χ^2/NDF : 84.9/67

- sign -12.210 ± 4.889 χ^2/NDF : 30.8/34

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.747 $\pm$ 0.006 χ^2 /NDF: 14622.8/15

Left Out: 22.599 $\pm$ 0.004 χ^2 /NDF: 6709.2/16

Right Out: 22.733 $\pm$ 0.006 χ^2 /NDF: 14389.6/17

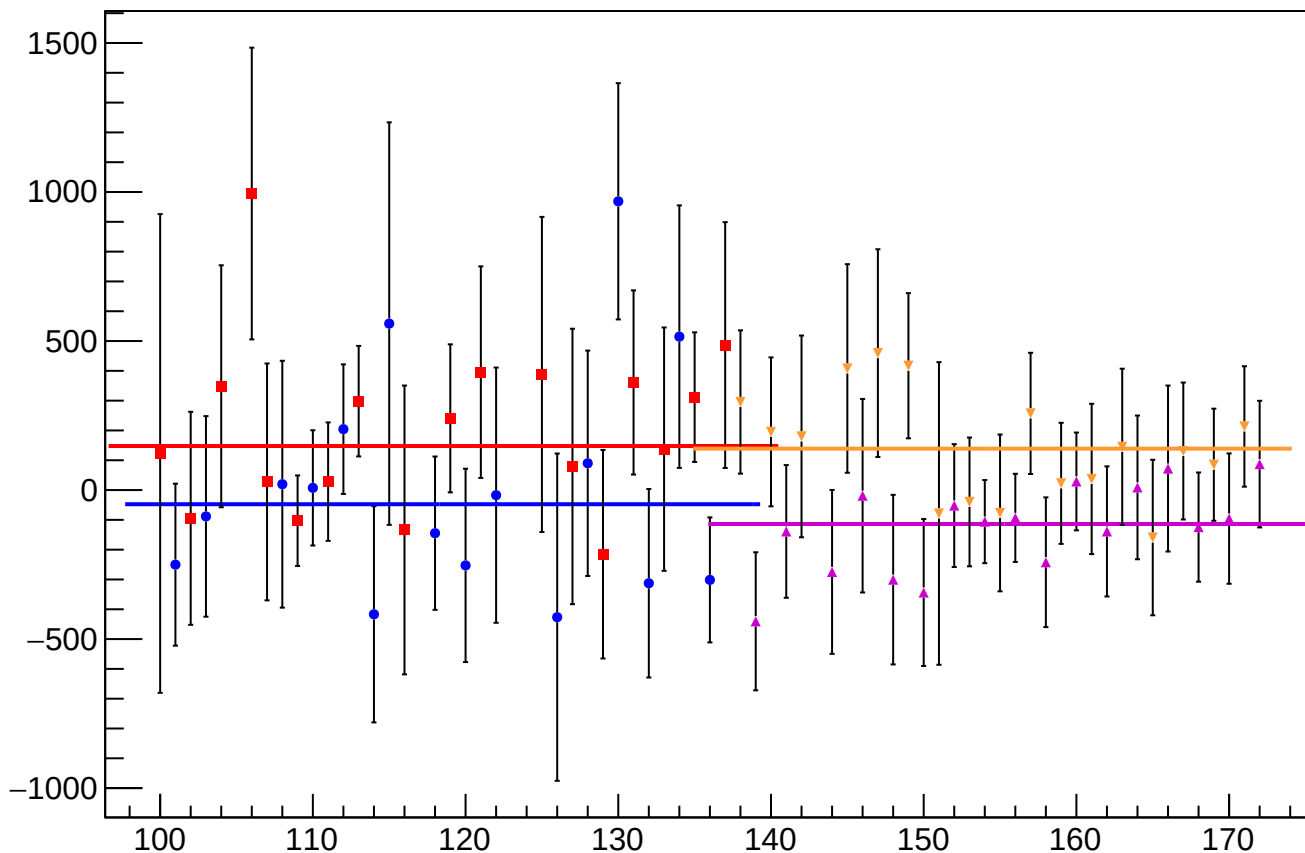
Left In: 22.542 $\pm$ 0.004 χ^2 /NDF: 12311.8/16

+ sign 22.650 $\pm$ 0.004 χ^2 /NDF: 21736.9/32

All: 22.628 $\pm$ 0.002 χ^2 /NDF: 49202.2/67

- sign 22.607 $\pm$ 0.003 χ^2 /NDF: 27387.8/34

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -47.523 ± 76.571 $\chi^2/\text{NDF}: 15.4/15$

Left Out: 138.958 ± 59.741 $\chi^2/\text{NDF}: 7.1/16$

Right Out: 147.812 ± 68.660 $\chi^2/\text{NDF}: 11.5/17$

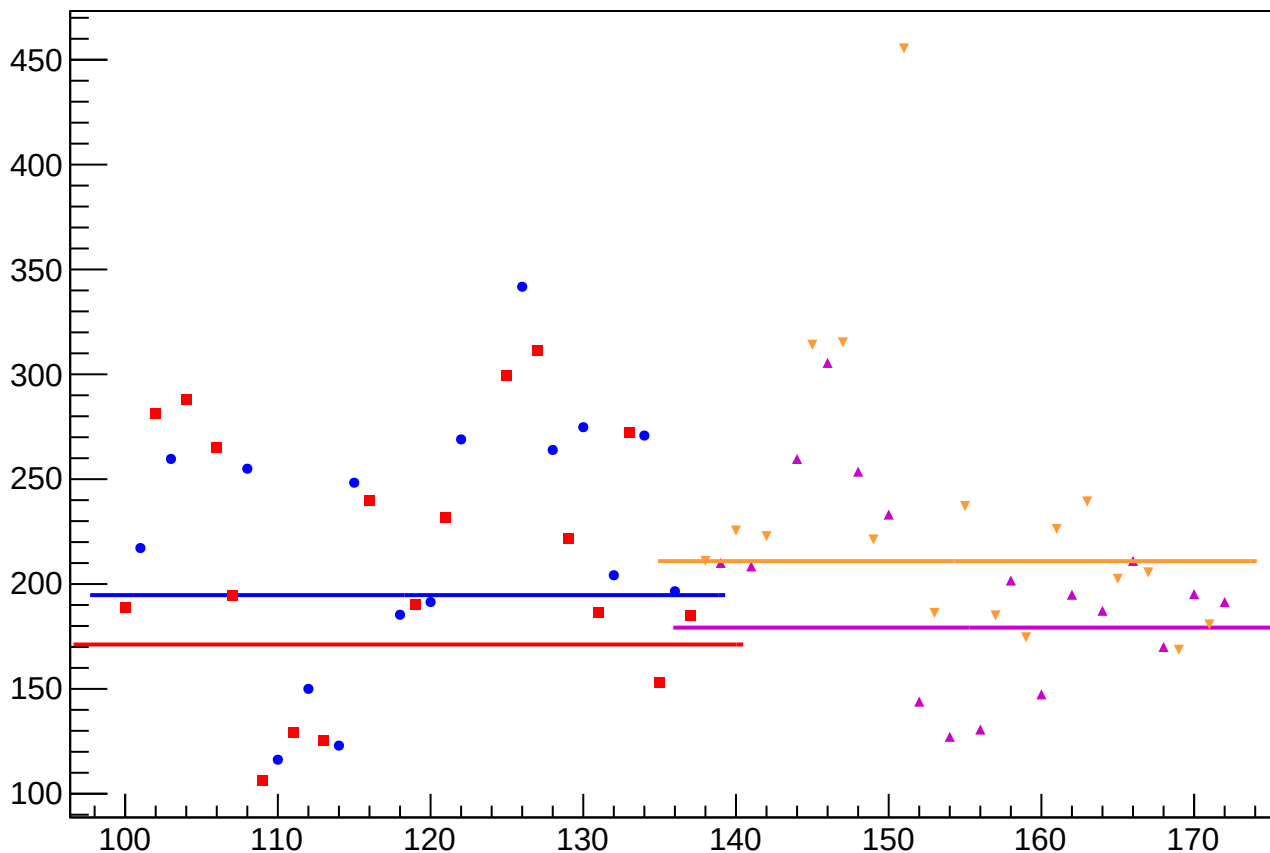
Left In: -113.826 ± 50.427 $\chi^2/\text{NDF}: 6.6/16$

+ sign 68.397 ± 47.101 $\chi^2/\text{NDF}: 26.2/32$

All: 16.496 ± 30.771 $\chi^2/\text{NDF}: 55.9/67$

- sign -22.148 ± 40.643 $\chi^2/\text{NDF}: 27.5/34$

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 194.708 $\pm$ 0.054 χ^2 /NDF: 1052288.9/15

Left Out: 210.912 $\pm$ 0.042 χ^2 /NDF:1151962.7/16

Right Out: 171.156 $\pm$ 0.049 χ^2 /NDF: 1611935.6/17

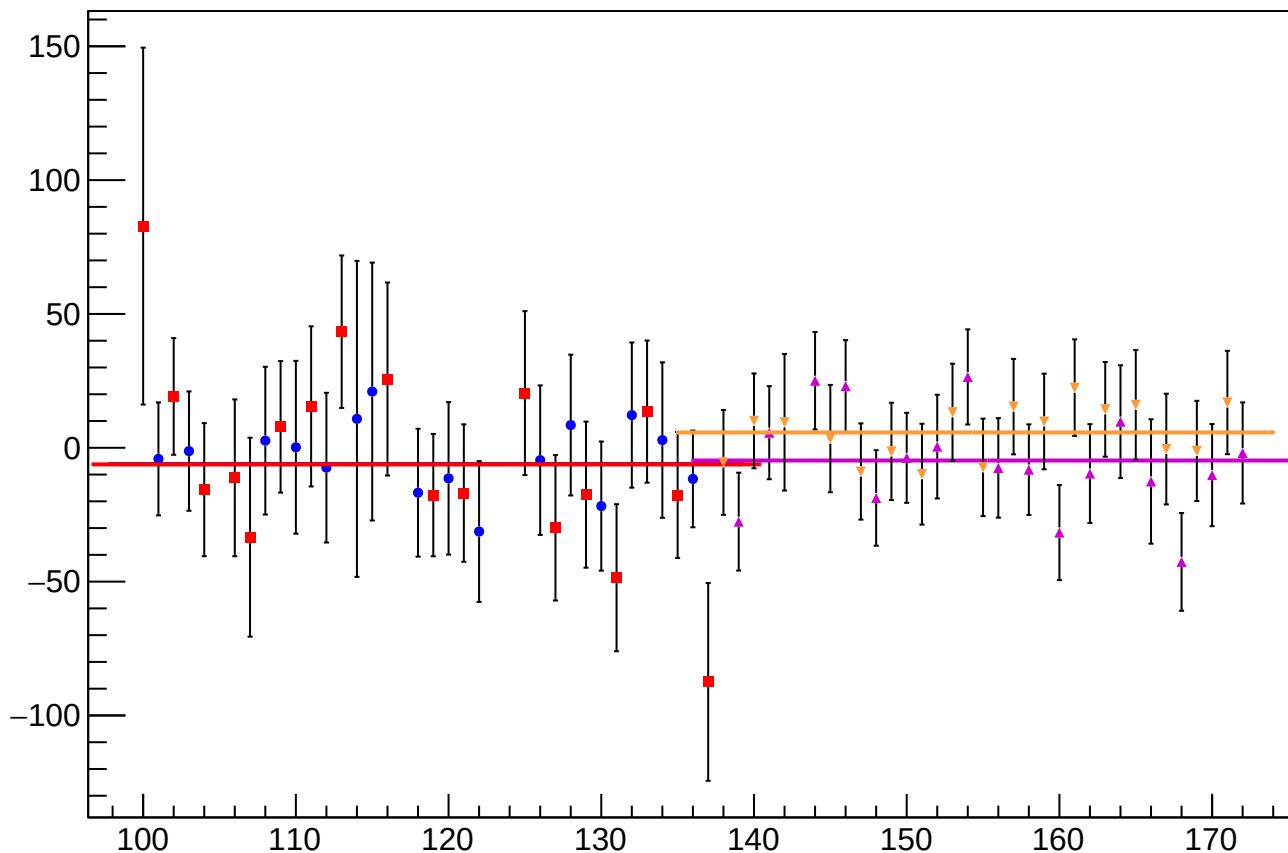
Left In: 179.222 $\pm$ 0.036 χ^2 /NDF:1486651.8/16

+ sign 204.781 $\pm$ 0.033 χ^2 /NDF: 2259926.2/32

All: 188.510 $\pm$ 0.022 χ^2 /NDF: 5792785.5/67

- sign 176.396 $\pm$ 0.029 χ^2 /NDF: 3116515.4/34

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.119 ± 6.592 $\chi^2/\text{NDF}: 3.1/15$

Left Out: 5.736 ± 4.583 $\chi^2/\text{NDF}: 4.9/16$

Right Out: -6.195 ± 6.580 $\chi^2/\text{NDF}: 18.6/17$

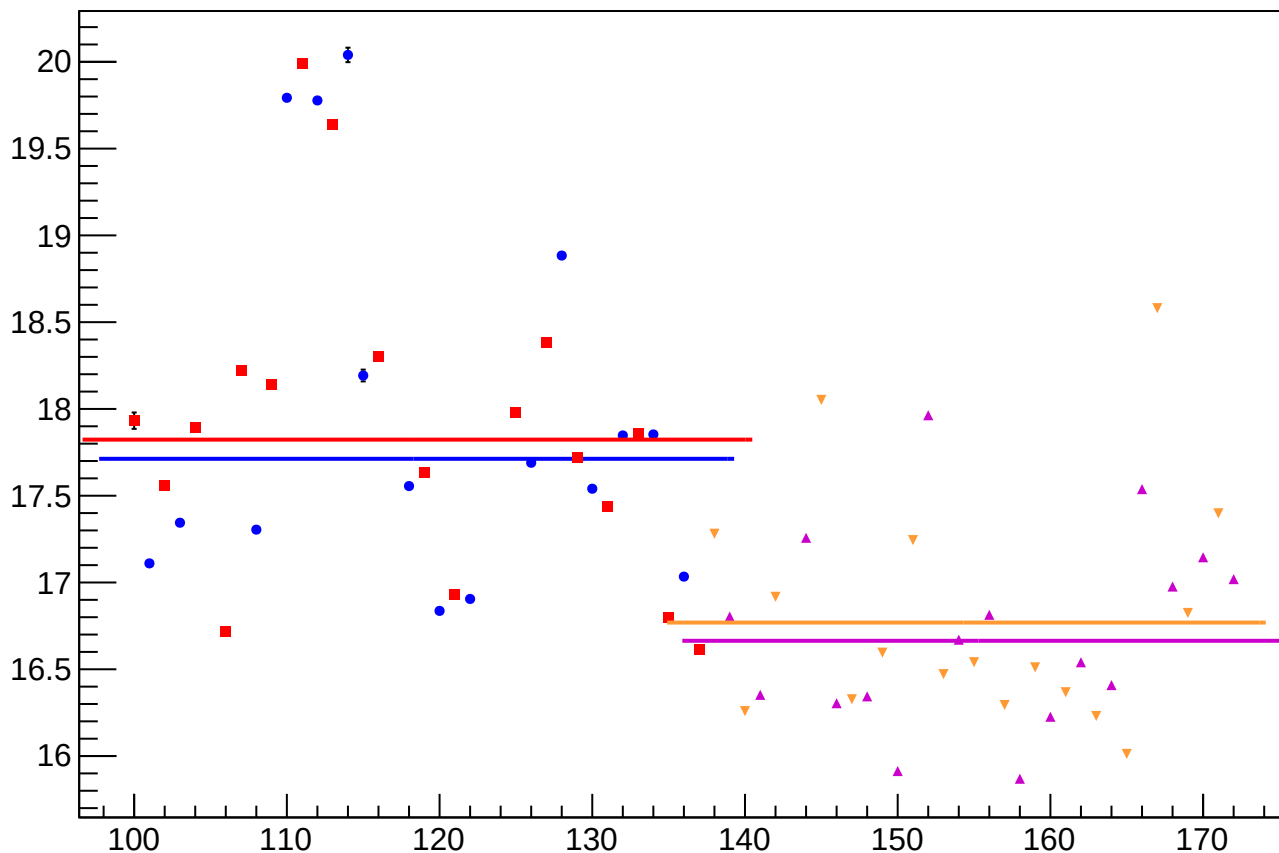
Left In: -4.750 ± 4.457 $\chi^2/\text{NDF}: 18.4/16$

+ sign 1.873 ± 3.763 $\chi^2/\text{NDF}: 10.2/32$

All: -1.734 ± 2.635 $\chi^2/\text{NDF}: 49.0/67$

- sign -5.204 ± 3.690 $\chi^2/\text{NDF}: 37.0/34$

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.713 $\pm$ 0.005 χ^2 /NDF: 35983.5/15

Left Out: 16.769 $\pm$ 0.003 χ^2 /NDF: 39695.0/16

Right Out: 17.823 $\pm$ 0.005 χ^2 /NDF: 32502.9/17

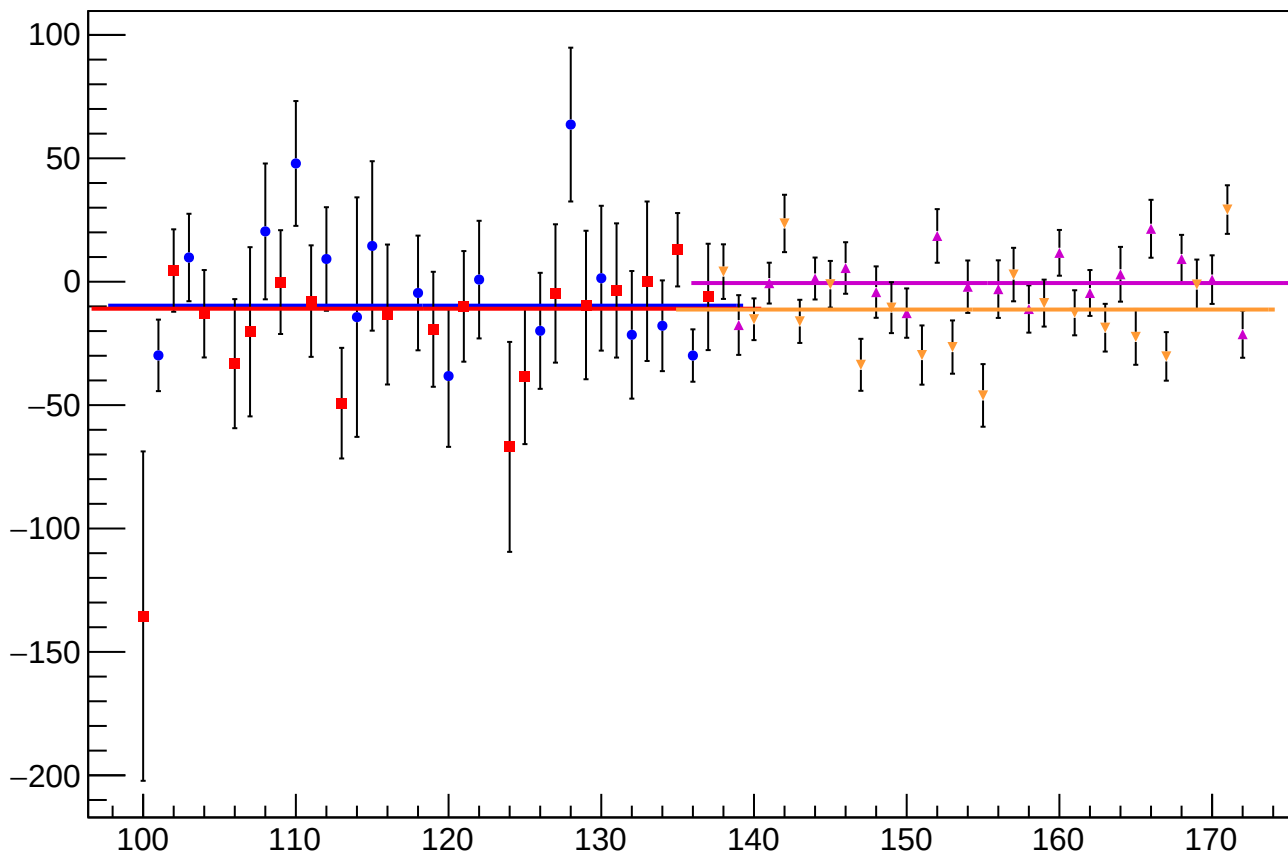
Left In: 16.664 $\pm$ 0.003 χ^2 /NDF: 28926.5/16

+ sign 17.077 $\pm$ 0.003 χ^2 /NDF: 103298.5/32

All: 17.052 $\pm$ 0.002 χ^2 /NDF: 207431.9/67

- sign 17.029 $\pm$ 0.003 χ^2 /NDF: 103967.9/34

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

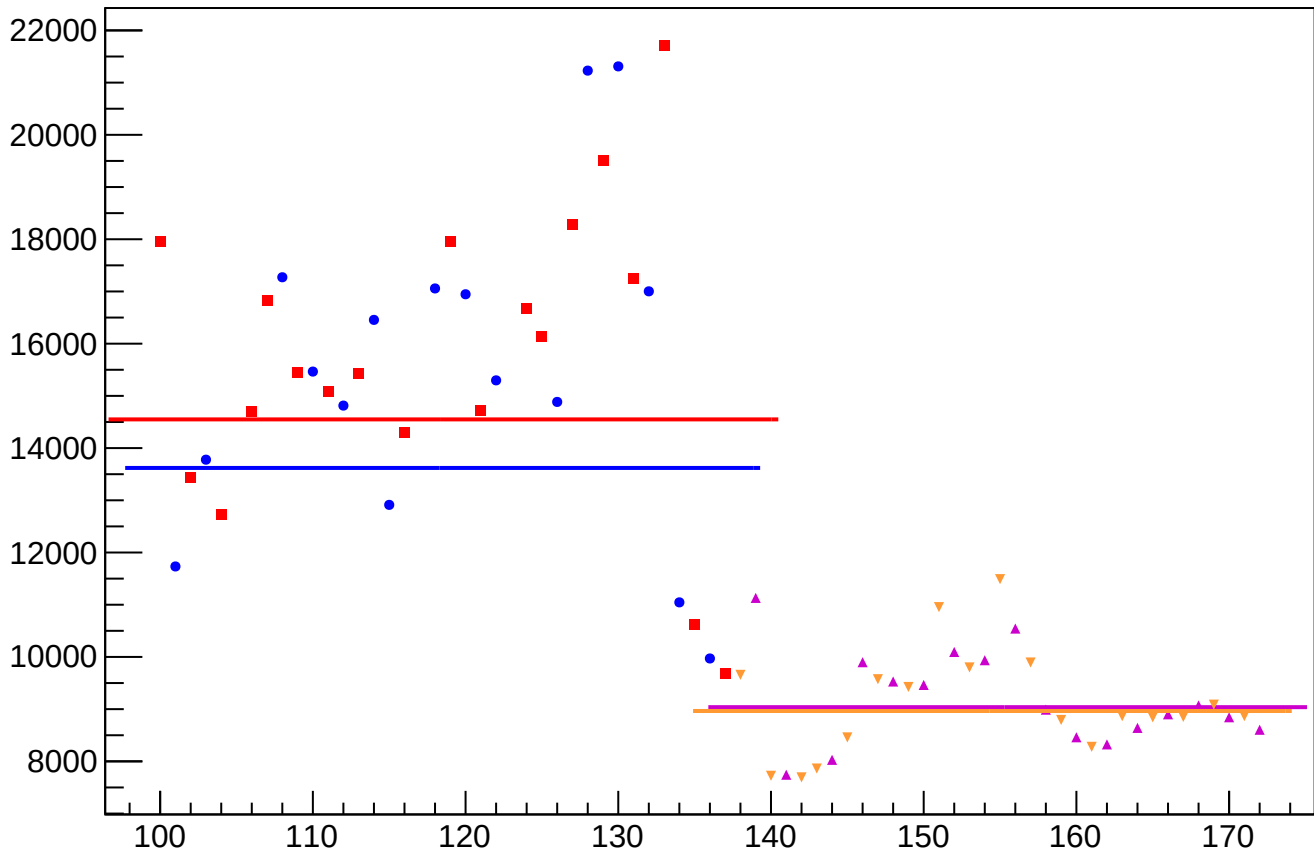
Left In: -0.538 ± 2.428 χ^2/NDF : 19.6/16

+ sign -11.001 ± 2.177 χ^2/NDF : 76.1/33

All: -6.714 ± 1.553 χ^2/NDF : 120.7/69

- sign -2.268 ± 2.217 χ^2/NDF : 36.7/35

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

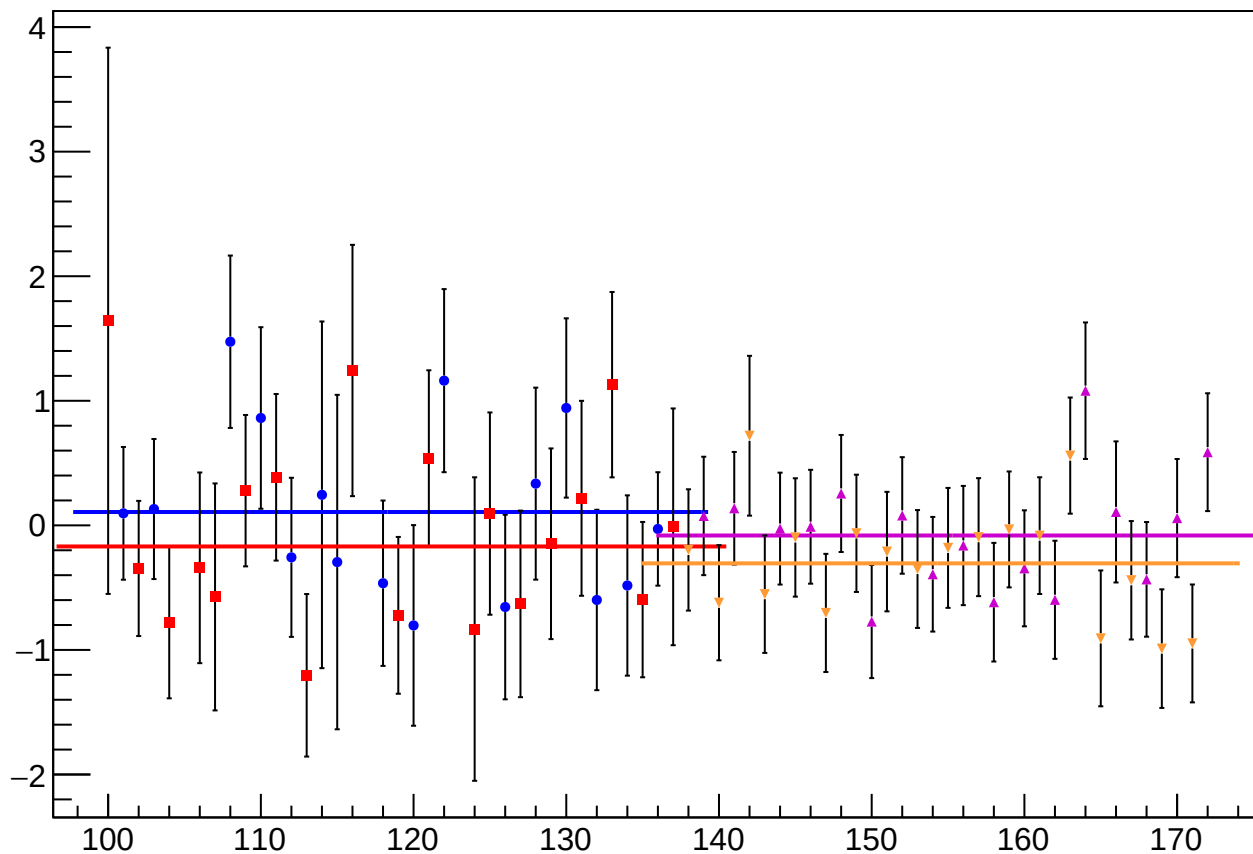
Left In: 9037.994+/-1.717 χ^2/NDF : 252374.9/16

+ sign 9770.836+/-1.539 χ^2/NDF : 2353314.0/33

All: 9861.186+/-1.098 χ^2/NDF : 4882503.7/69

- sign 9954.913+/-1.568 χ^2/NDF : 2522171.1/35

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

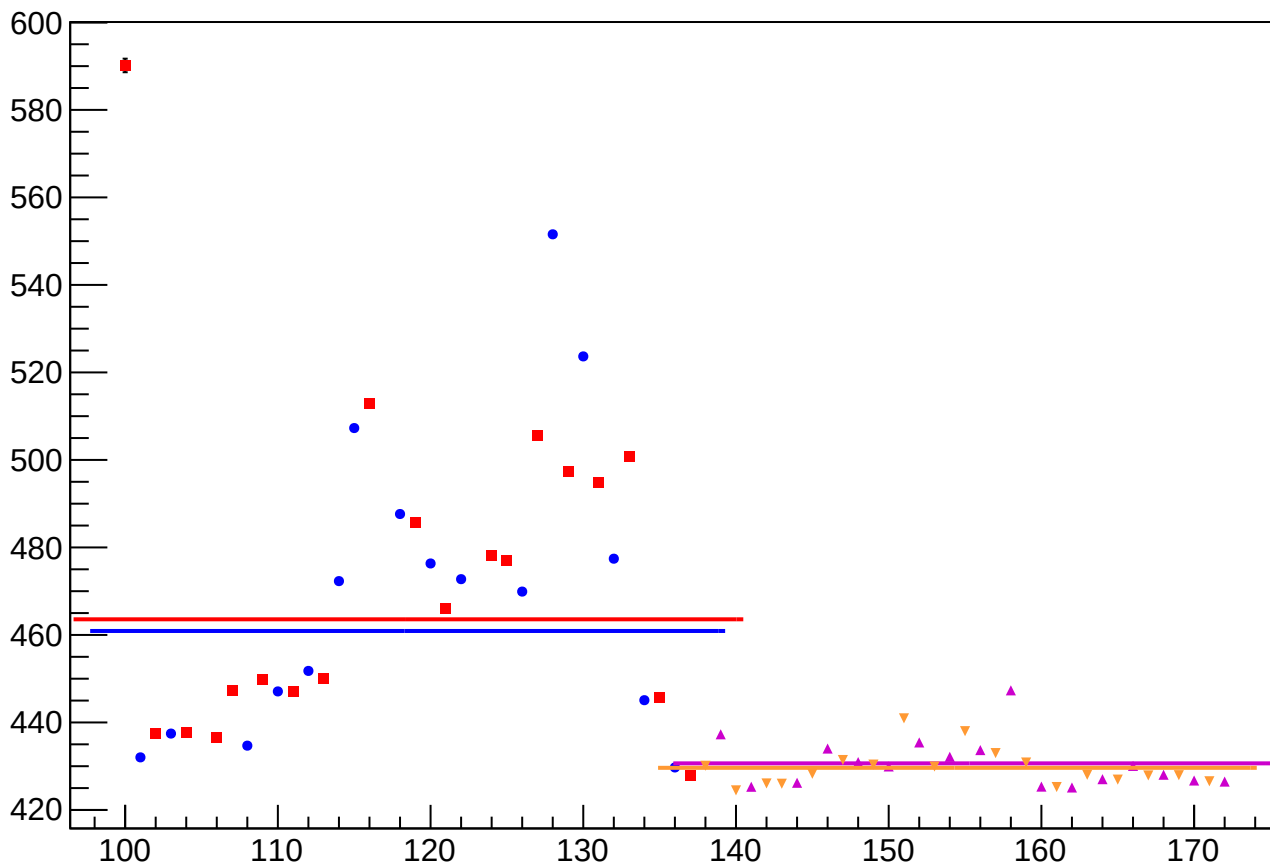
Left In: -0.081 ± 0.115 χ^2/NDF : 13.9/16

+ sign -0.179 ± 0.095 χ^2/NDF : 31.7/33

All: -0.144 ± 0.067 χ^2/NDF : 60.2/69

- sign -0.109 ± 0.095 χ^2/NDF : 28.2/35

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 460.906 $\pm$ 0.121 χ^2/NDF : 74930.1/15

Left Out: 429.631 $\pm$ 0.080 χ^2/NDF : 2697.1/17

Right Out: 463.573 $\pm$ 0.120 χ^2/NDF : 52175.6/18

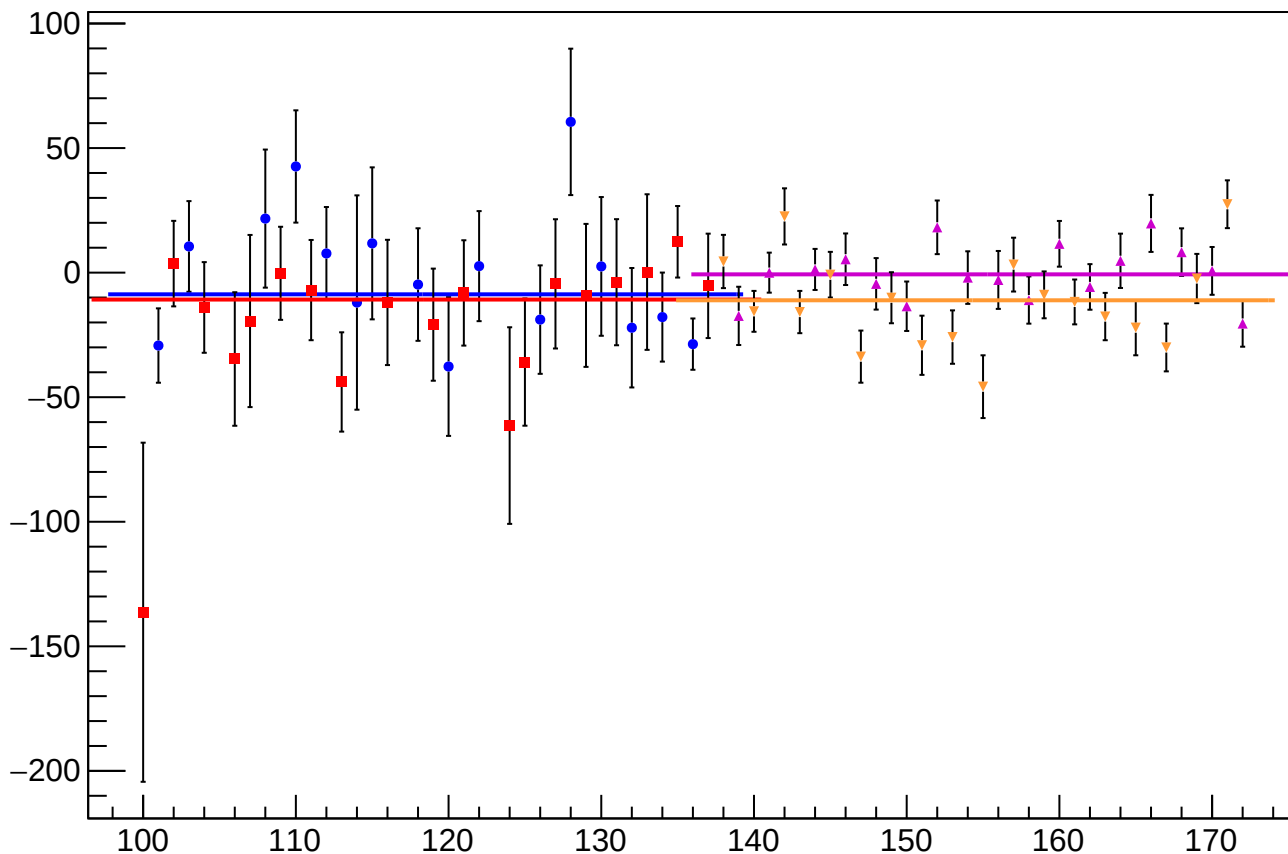
Left In: 430.652 $\pm$ 0.081 χ^2/NDF : 4722.7/16

+ sign 439.174 $\pm$ 0.067 χ^2/NDF : 123733.7/33

All: 440.099 $\pm$ 0.047 χ^2/NDF : 232714.8/69

- sign 441.030 $\pm$ 0.067 χ^2/NDF : 108599.2/35

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.707 $\pm$ 5.036 χ^2/NDF : 22.3/15

Left Out: -11.104 $\pm$ 2.348 χ^2/NDF : 53.5/17

Right Out: -10.807 $\pm$ 5.192 χ^2/NDF : 13.9/18

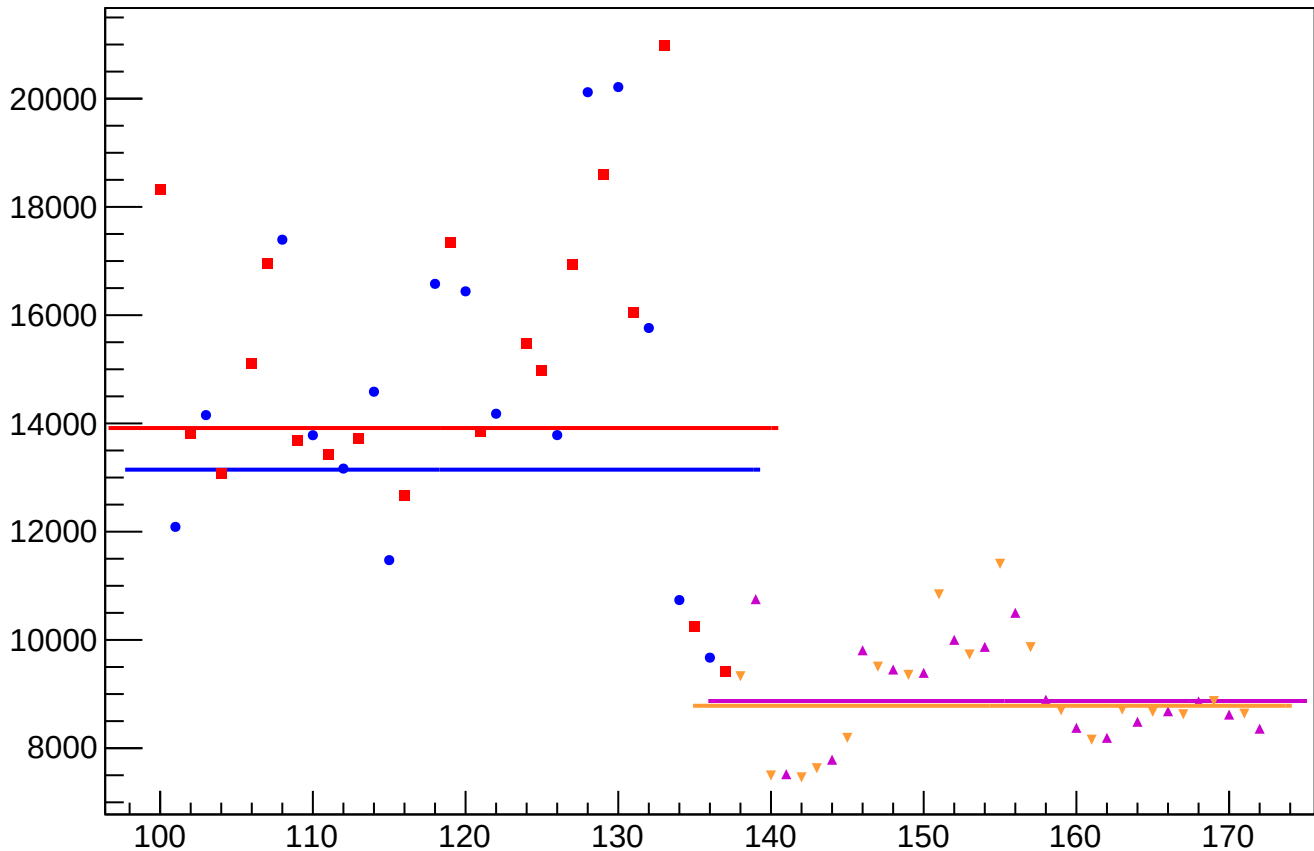
Left In: -0.690 $\pm$ 2.385 χ^2/NDF : 19.5/16

+ sign -10.676 $\pm$ 2.128 χ^2/NDF : 75.9/33

All: -6.640 $\pm$ 1.518 χ^2/NDF : 119.8/69

- sign -2.453 $\pm$ 2.167 χ^2/NDF : 36.5/35

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

+ sign 9562.552+/-1.505 χ^2/NDF : 2252351.4/33

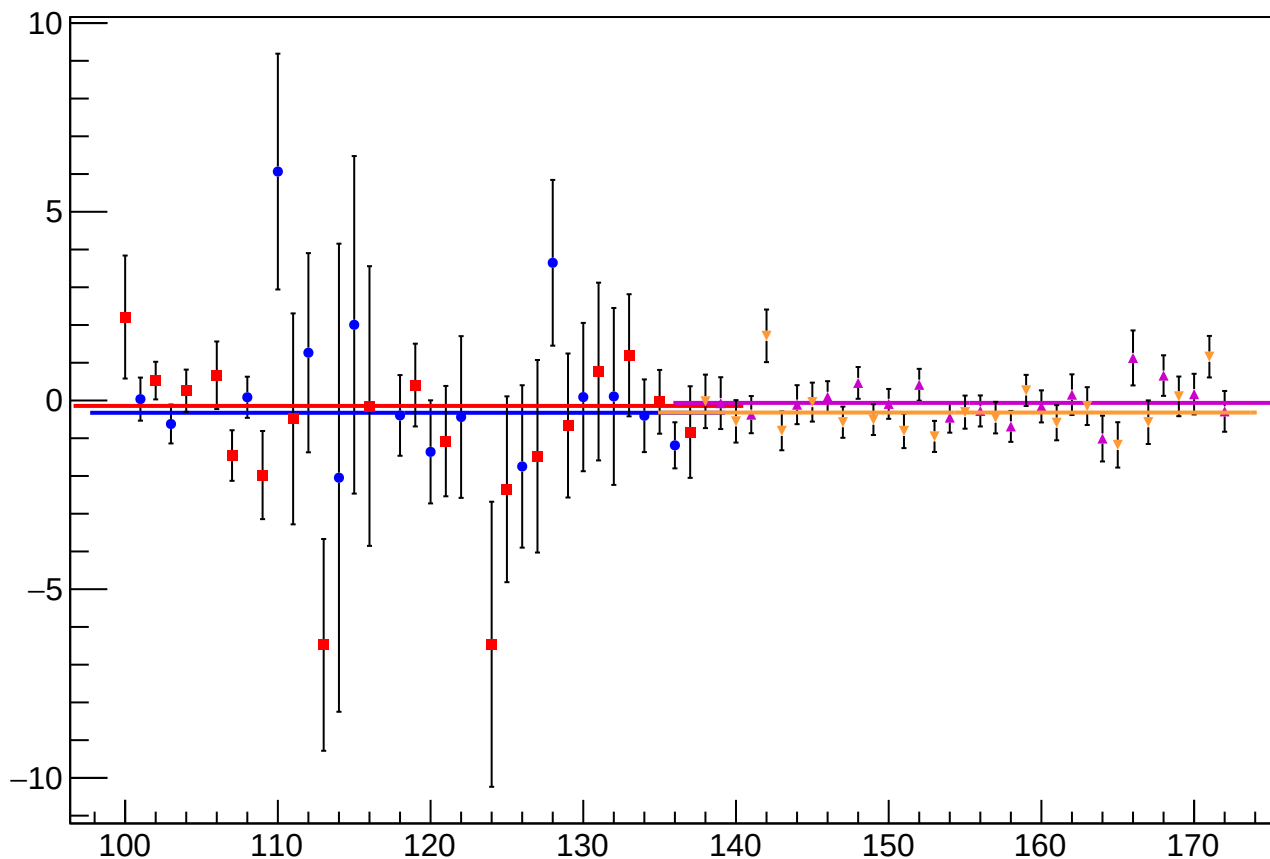
Right Out: 13914.770+/-3.671 χ^2/NDF : 511000.7/18

All: 9654.842+/-1.074 χ^2/NDF : 4607320.0/69

- sign 9750.581+/-1.532 χ^2/NDF : 2347302.6/35

Left In: 8871.831+/-1.686 χ^2/NDF : 278007.1/16

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

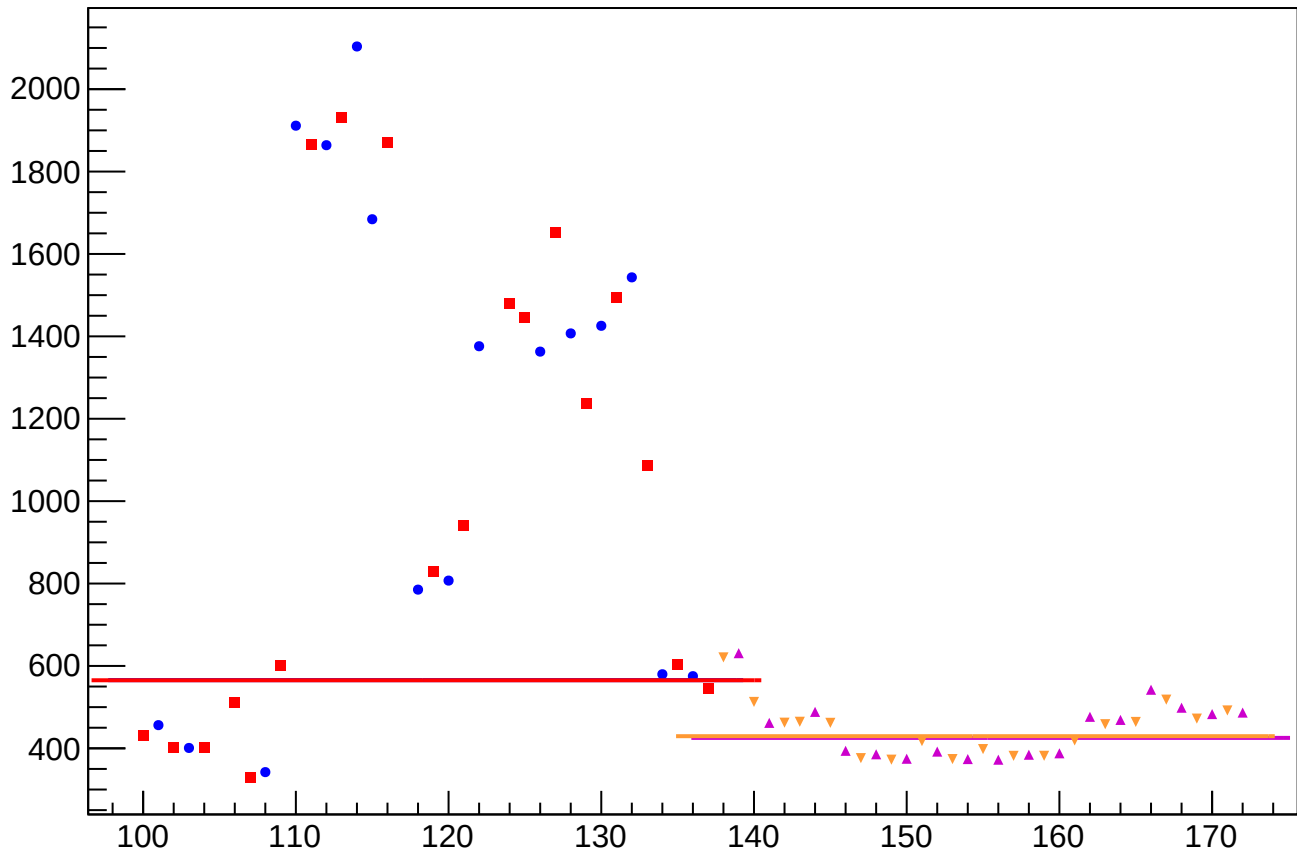
Left In: -0.063 ± 0.115 χ^2/NDF : 14.5/16

+ sign -0.320 ± 0.104 χ^2/NDF : 39.4/33

All: -0.199 ± 0.074 χ^2/NDF : 79.1/69

- sign -0.078 ± 0.104 χ^2/NDF : 37.0/35

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 565.531 $\pm$ 0.173 χ^2 /NDF: 3450533.8/15

Left Out: 429.465 $\pm$ 0.081 χ^2 /NDF: 484419.2/17

Right Out: 565.223 $\pm$ 0.173 χ^2 /NDF: 3571620.7/18

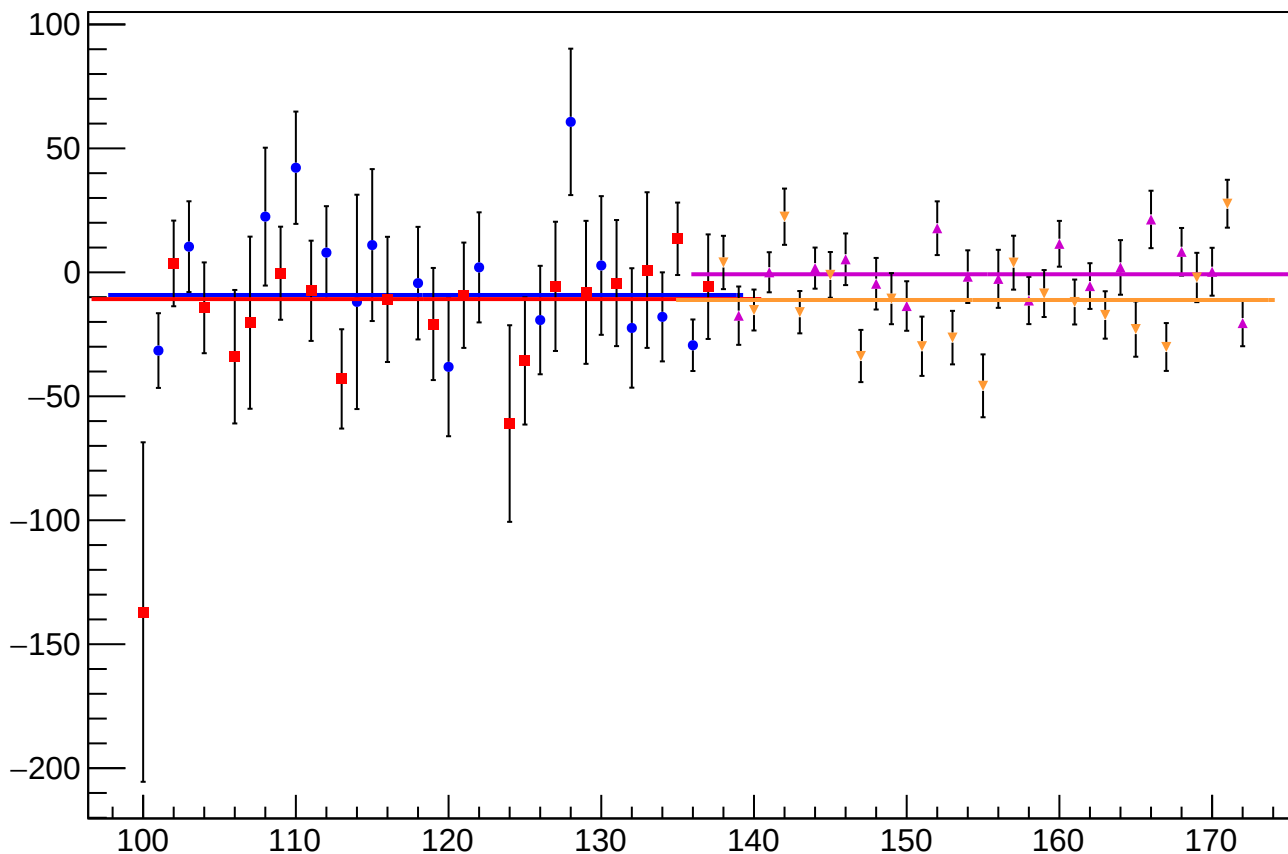
Left In: 425.345 $\pm$ 0.081 χ^2 /NDF: 562240.5/16

+ sign 454.238 $\pm$ 0.074 χ^2 /NDF: 4443135.6/33

All: 452.484 $\pm$ 0.052 χ^2 /NDF: 9114498.5/69

- sign 450.732 $\pm$ 0.074 χ^2 /NDF: 4670229.1/35

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.130 $\pm$ 5.069 χ^2/NDF : 22.7/15

Left Out: -11.152 $\pm$ 2.363 χ^2/NDF : 53.4/17

Right Out: -10.788 $\pm$ 5.227 χ^2/NDF : 13.7/18

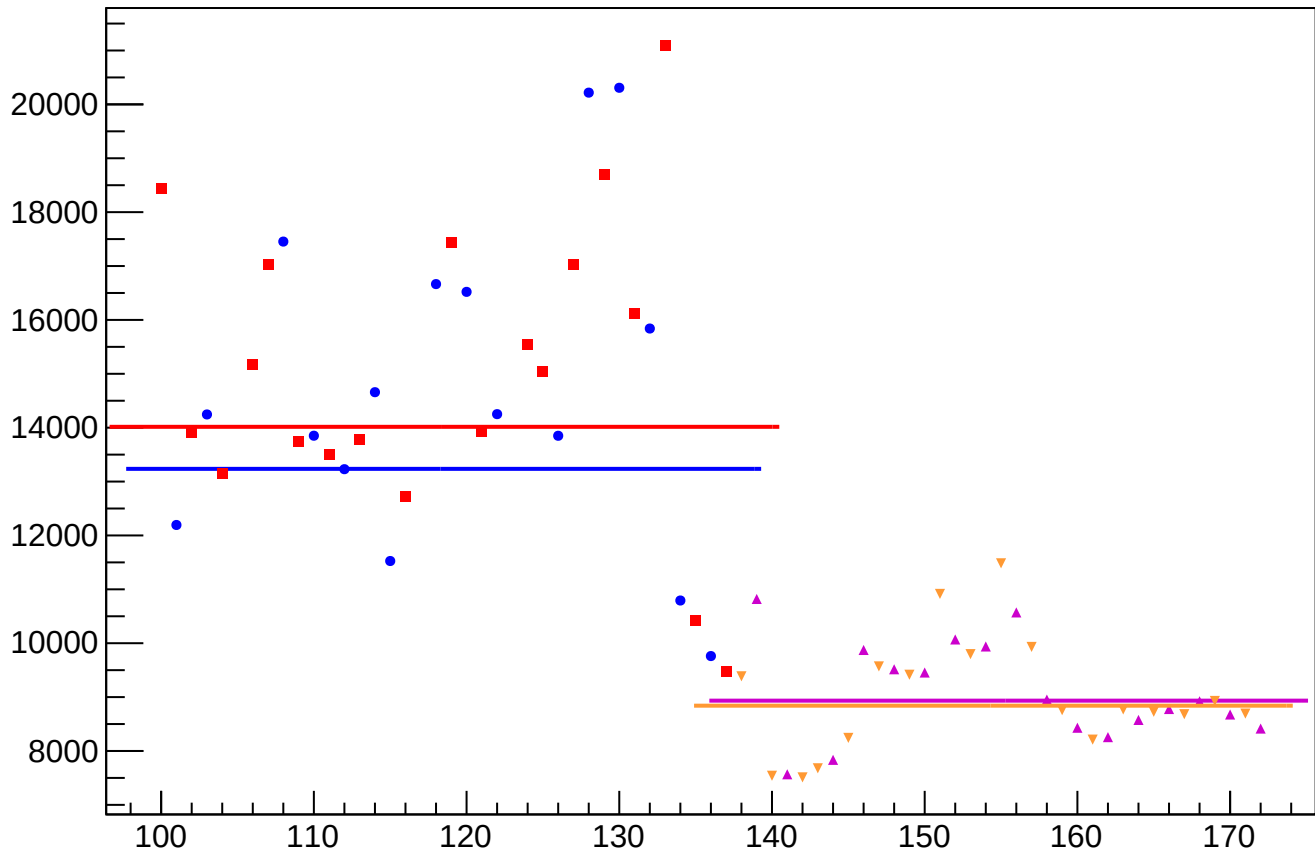
Left In: -0.773 $\pm$ 2.402 χ^2/NDF : 19.5/16

+ sign -10.791 $\pm$ 2.142 χ^2/NDF : 76.2/33

All: -6.733 $\pm$ 1.529 χ^2/NDF : 119.8/69

- sign -2.519 $\pm$ 2.182 χ^2/NDF : 36.2/35

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13235.828+/-3.585 χ^2/NDF : 673887.0/15

Left Out: 8840.723+/-1.671 χ^2/NDF : 337613.6/17

Right Out: 14016.035+/-3.696 χ^2/NDF : 498592.9/18

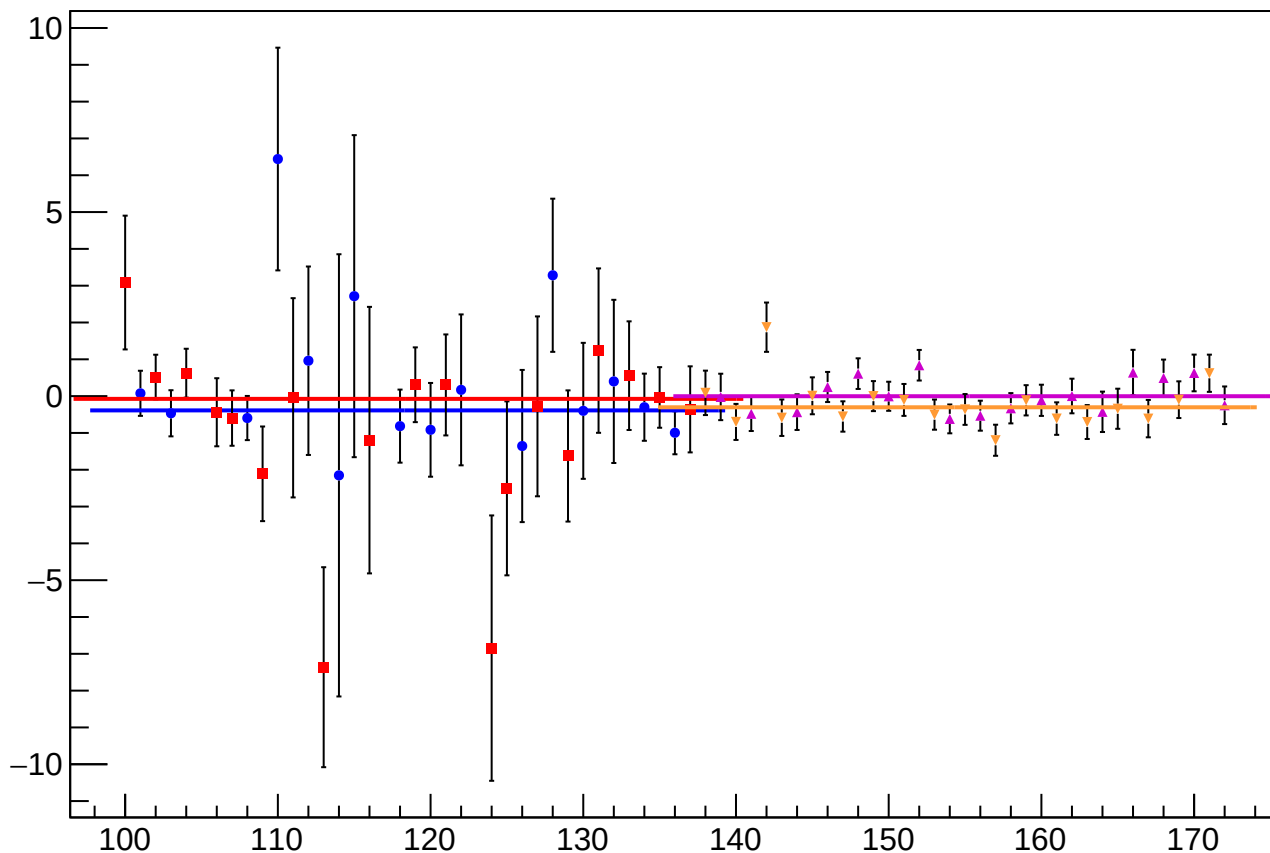
Left In: 8934.128+/-1.698 χ^2/NDF : 277514.6/16

+ sign 9625.180+/-1.514 χ^2/NDF : 2246583.6/33

All: 9720.697+/-1.081 χ^2/NDF : 4591550.8/69

- sign 9819.884+/-1.543 χ^2/NDF : 2336857.7/35

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

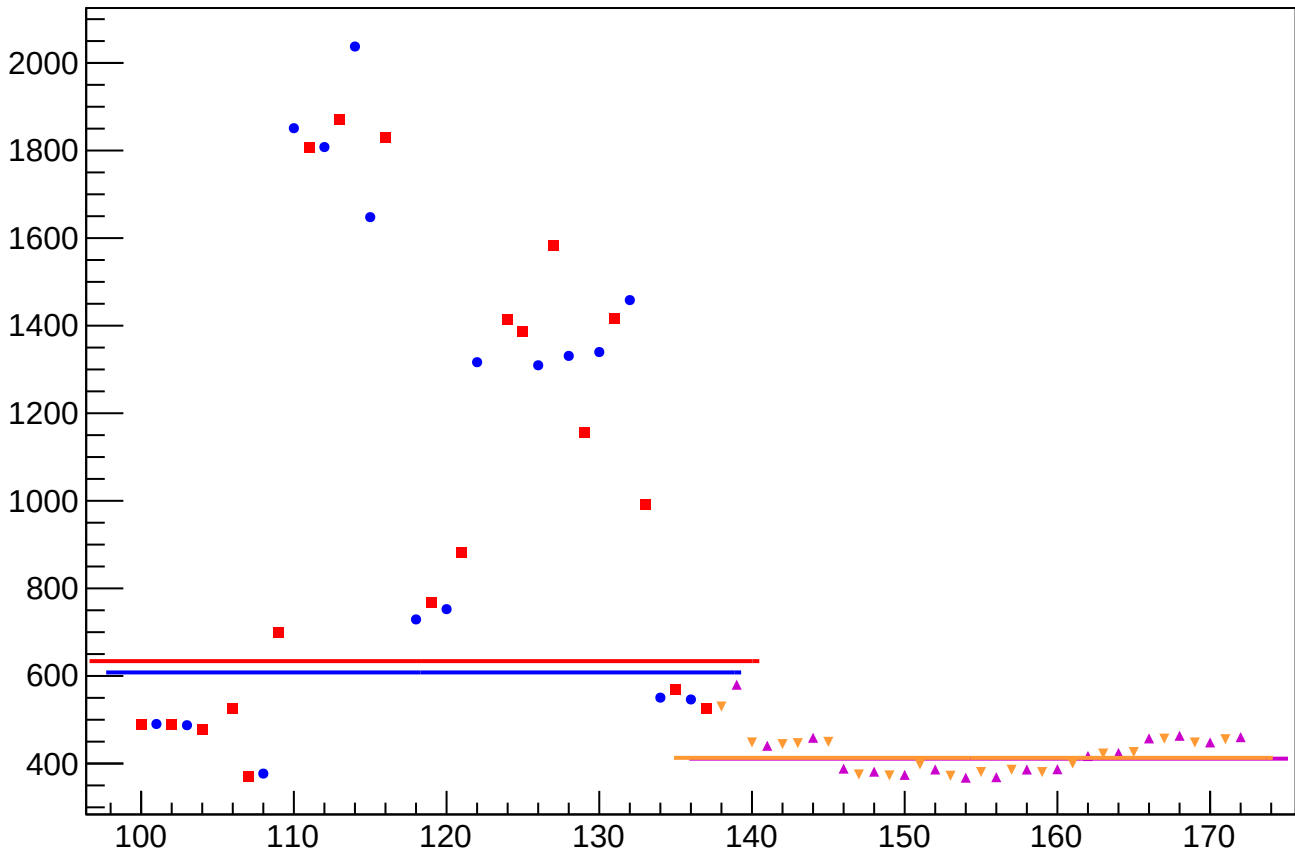
Left In: -0.003 ± 0.111 χ^2/NDF : 17.9/16

+ sign -0.316 ± 0.101 χ^2/NDF : 35.3/33

All: -0.166 ± 0.072 χ^2/NDF : 79.4/69

- sign -0.013 ± 0.102 χ^2/NDF : 39.6/35

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

+ sign 443.462 +/- 0.071 χ^2/NDF : 4078967.0/33

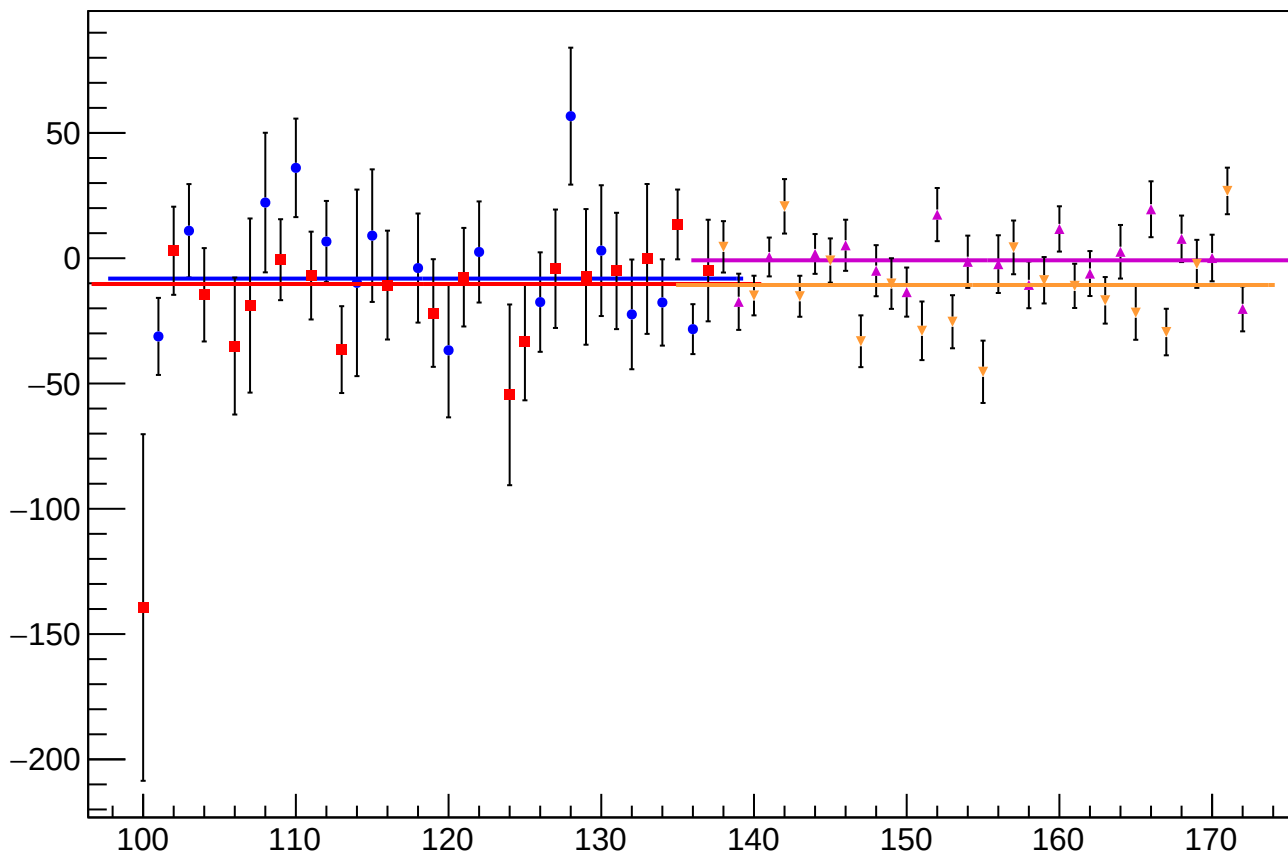
Right Out: 633.883 +/- 0.187 χ^2/NDF : 2788449.1/18

All: 443.886 +/- 0.051 χ^2/NDF : 8410383.1/69

- sign 444.319 +/- 0.072 χ^2/NDF : 4331345.0/35

Left In: 411.132 +/- 0.078 χ^2/NDF : 335957.9/16

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

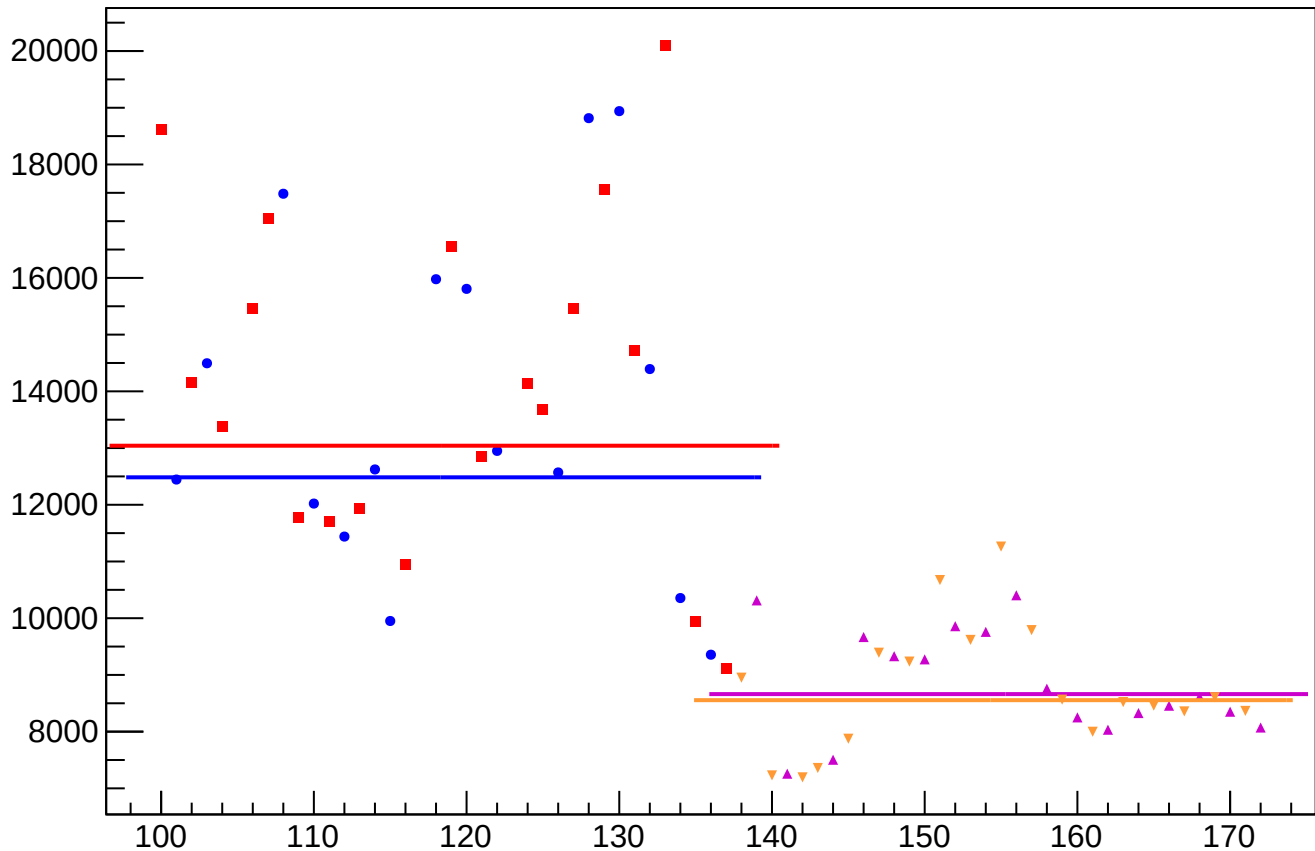
Left In: -0.831 ± 2.330 χ^2/NDF : 19.8/16

+ sign -10.206 ± 2.064 χ^2/NDF : 77.2/33

All: -6.468 ± 1.473 χ^2/NDF : 120.5/69

- sign -2.591 ± 2.102 χ^2/NDF : 36.6/35

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

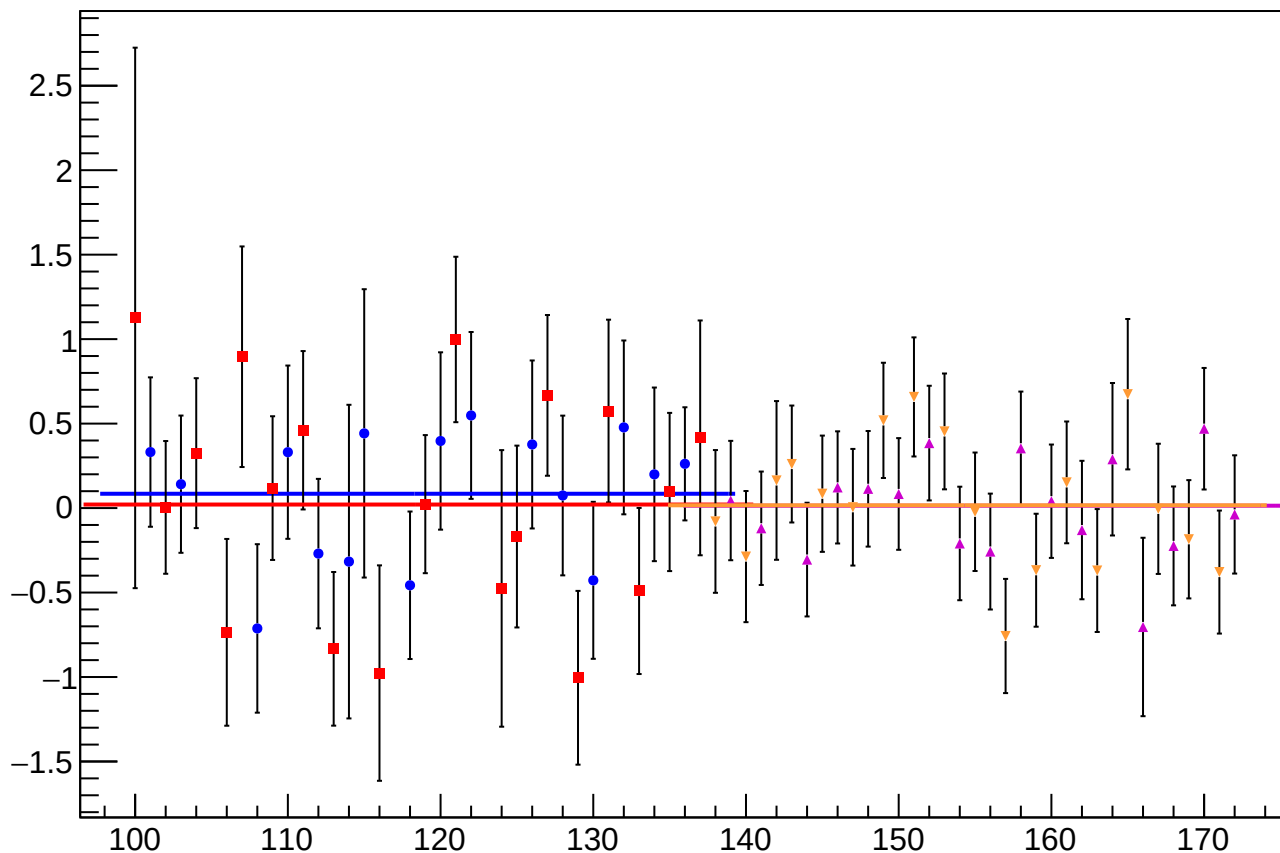
Left In: 8661.941+/-1.647 χ^2/NDF : 308328.7/16

+ sign 9287.674+/-1.459 χ^2/NDF : 2155647.6/33

All: 9380.421+/-1.041 χ^2/NDF : 4331268.3/69

- sign 9476.607+/-1.486 χ^2/NDF : 2167394.3/35

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

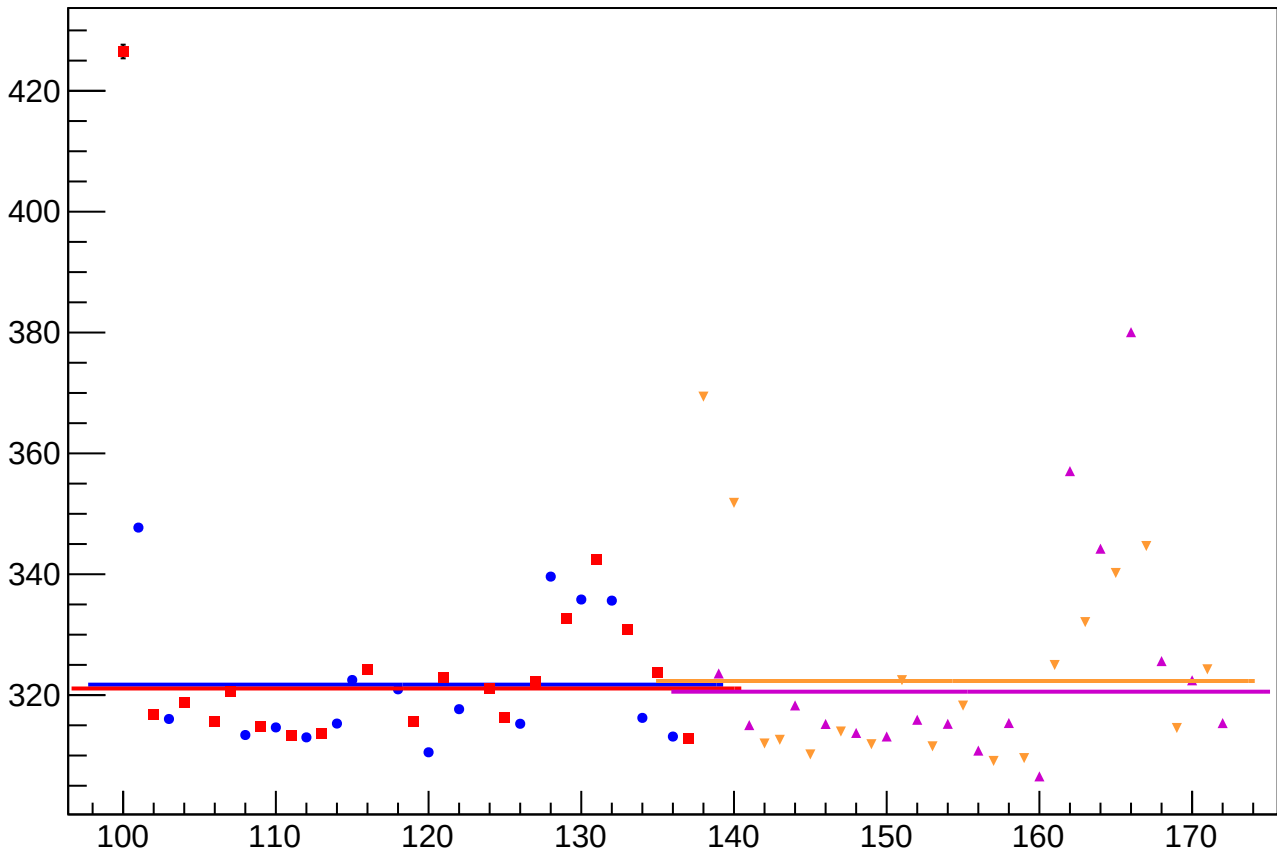
Left In: 0.014 ± 0.086 χ^2/NDF : 9.0/16

+ sign 0.040 ± 0.070 χ^2/NDF : 29.5/33

All: 0.028 ± 0.049 χ^2/NDF : 62.9/69

- sign 0.016 ± 0.069 χ^2/NDF : 33.3/35

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 321.727 $\pm$ 0.085 χ^2 /NDF: 18214.6/15

Left Out: 322.333 $\pm$ 0.061 χ^2 /NDF: 65221.1/17

Right Out: 321.093 $\pm$ 0.083 χ^2 /NDF: 16579.3/18

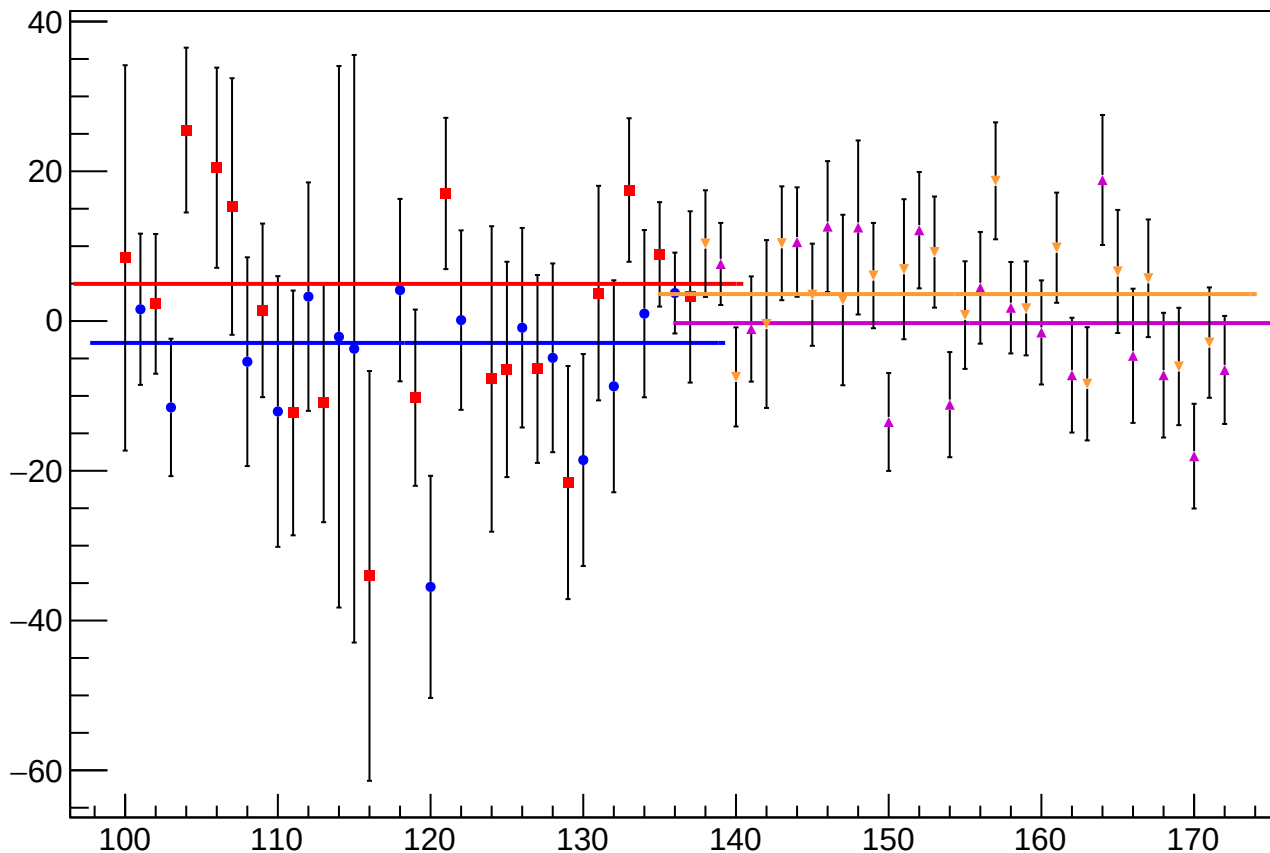
Left In: 320.564 $\pm$ 0.061 χ^2 /NDF: 57225.7/16

+ sign 322.128 $\pm$ 0.049 χ^2 /NDF: 83469.4/33

All: 321.435 $\pm$ 0.035 χ^2 /NDF: 157692.8/69

- sign 320.749 $\pm$ 0.049 χ^2 /NDF: 73831.3/35

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

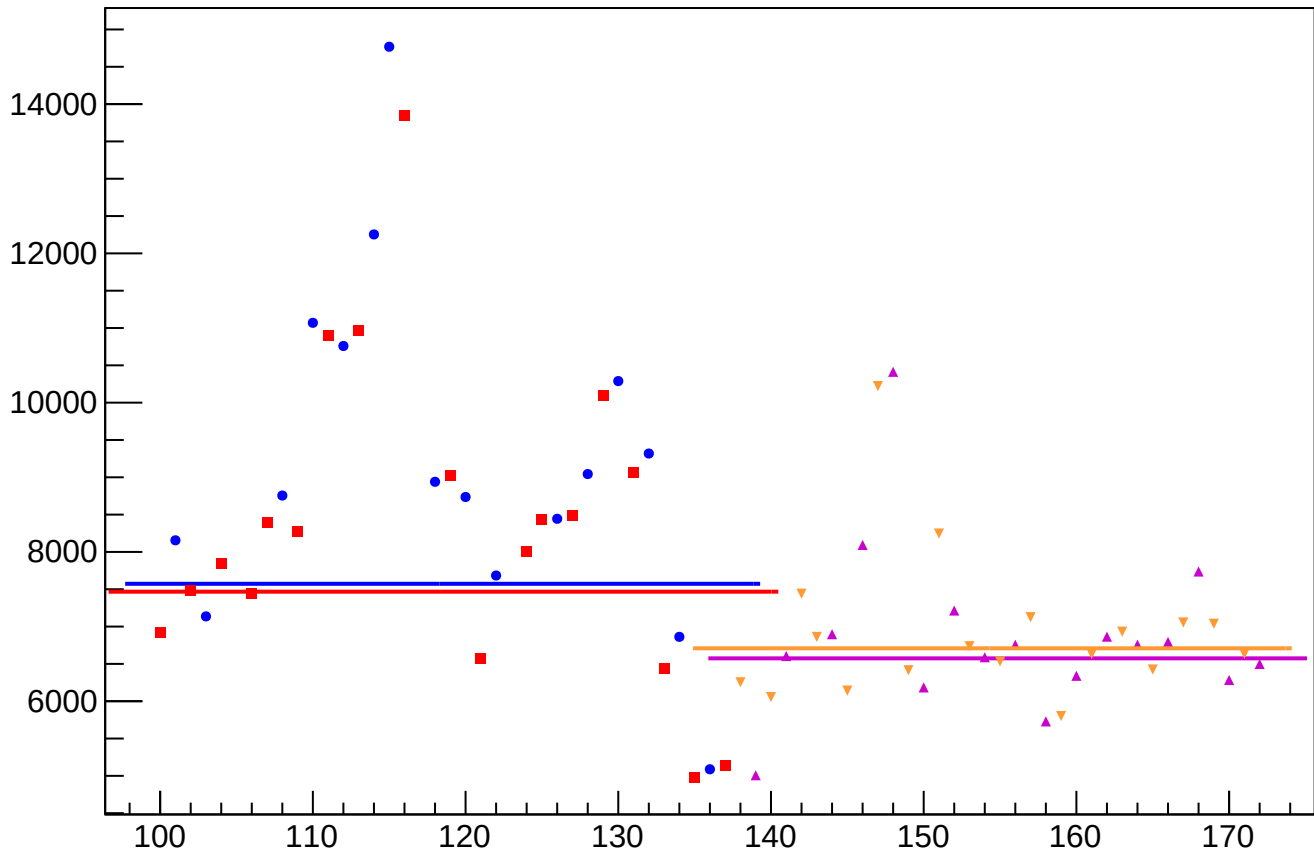
Left In: -0.273 ± 1.781 χ^2/NDF : 31.0/16

+ sign 1.800 ± 1.529 χ^2/NDF : 28.6/33

All: 1.505 ± 1.073 χ^2/NDF : 81.6/69

- sign 1.217 ± 1.506 χ^2/NDF : 52.9/35

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

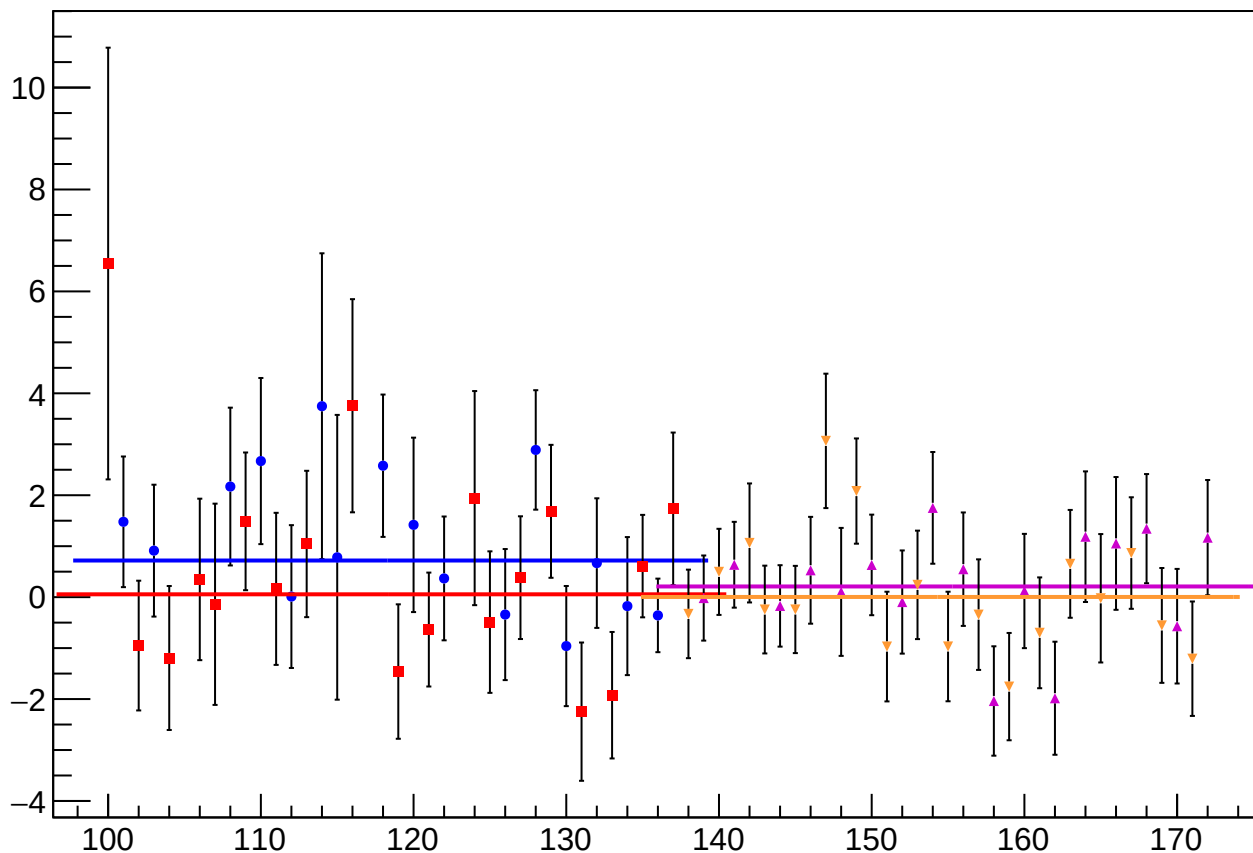
Left In: 6574.225+/-1.259 χ^2/NDF : 556065.6/16

+ sign 6947.413+/-1.081 χ^2/NDF : 1384699.2/33

All: 6887.029+/-0.759 χ^2/NDF : 2918423.1/69

- sign 6828.424+/-1.065 χ^2/NDF : 1527578.5/35

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

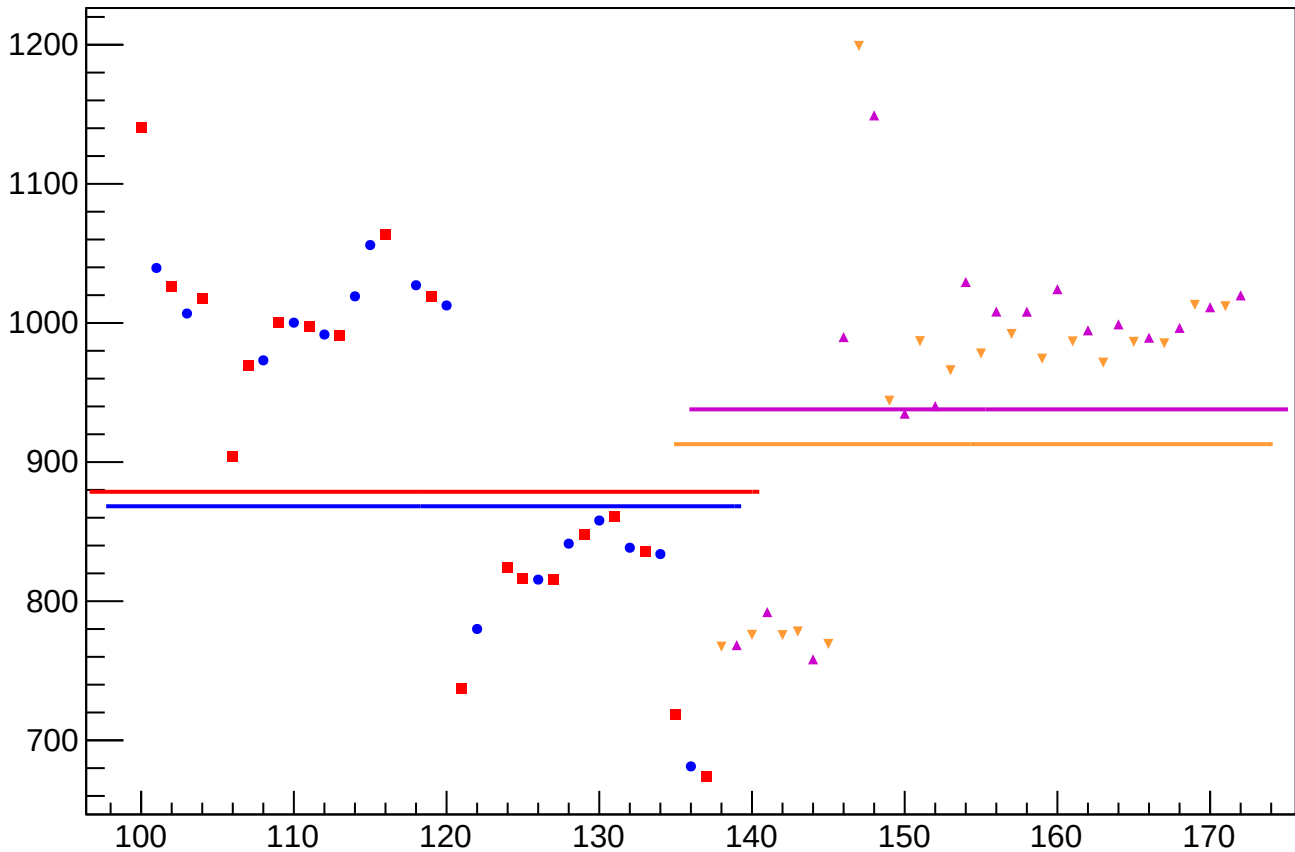
Left In: 0.210 ± 0.252 χ^2/NDF : 14.6/16

+ sign 0.260 ± 0.195 χ^2/NDF : 36.2/33

All: 0.207 ± 0.139 χ^2/NDF : 70.9/69

- sign 0.151 ± 0.199 χ^2/NDF : 34.6/35

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 868.253 $\pm$ 0.230 χ^2 /NDF: 302409.6/15

Left Out: 912.875 $\pm$ 0.172 χ^2 /NDF: 439230.6/17

Right Out: 878.658 $\pm$ 0.229 χ^2 /NDF: 272530.7/18

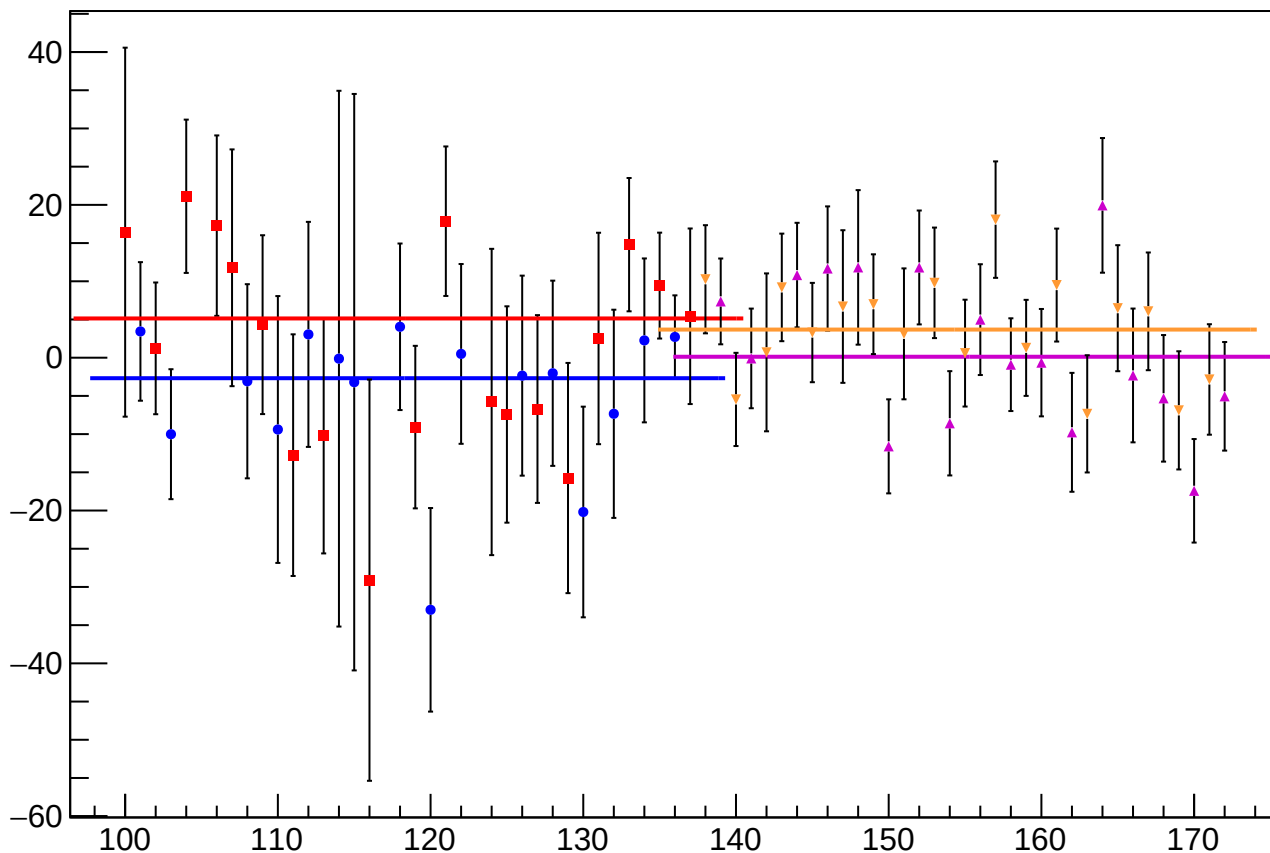
Left In: 937.911 $\pm$ 0.178 χ^2 /NDF: 385241.1/16

+ sign 896.869 $\pm$ 0.138 χ^2 /NDF: 765682.2/33

All: 906.006 $\pm$ 0.099 χ^2 /NDF: 1474133.2/69

- sign 915.493 $\pm$ 0.141 χ^2 /NDF: 699519.1/35

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

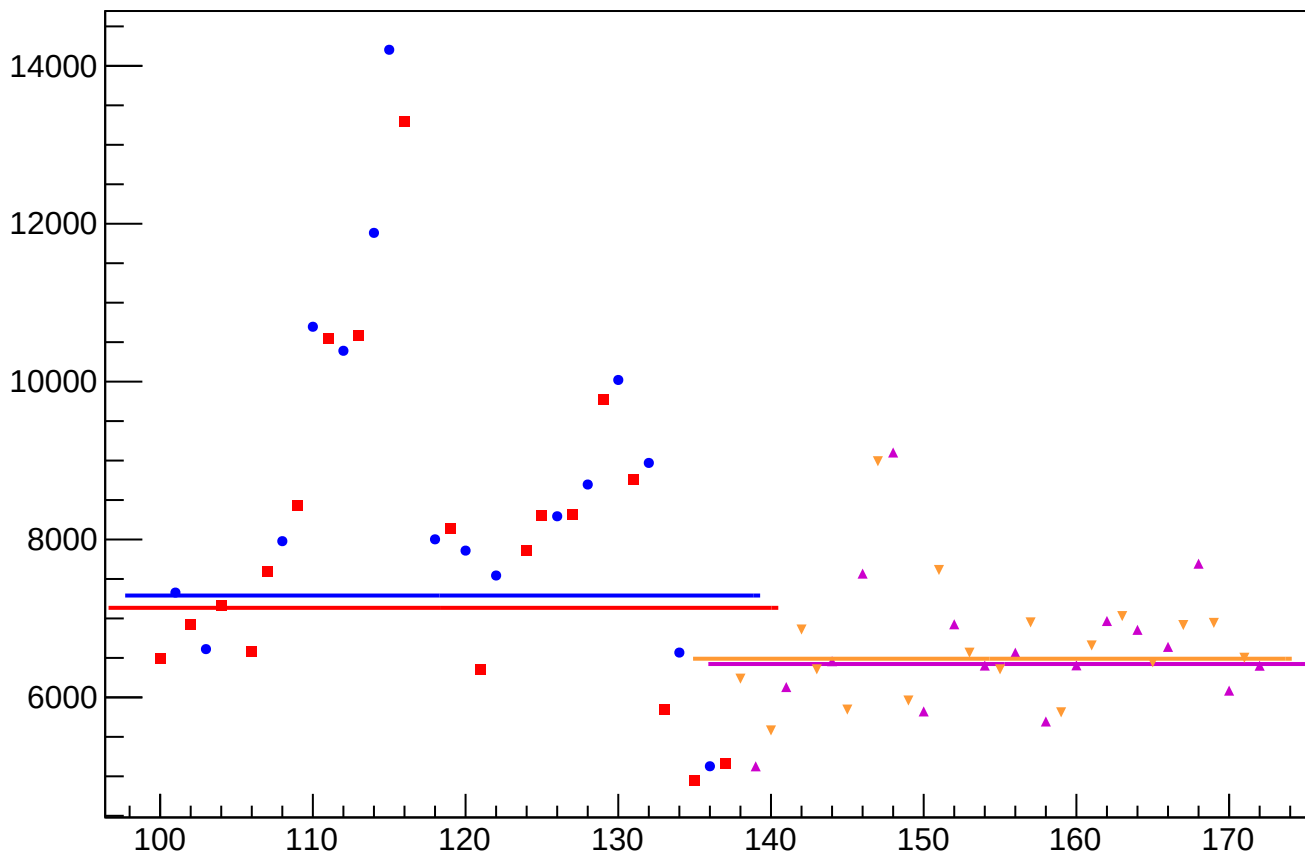
Left In: 0.125 ± 1.734 χ^2/NDF : 30.1/16

+ sign 1.904 ± 1.473 χ^2/NDF : 28.2/33

All: 1.748 ± 1.036 χ^2/NDF : 78.0/69

- sign 1.595 ± 1.458 χ^2/NDF : 49.8/35

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

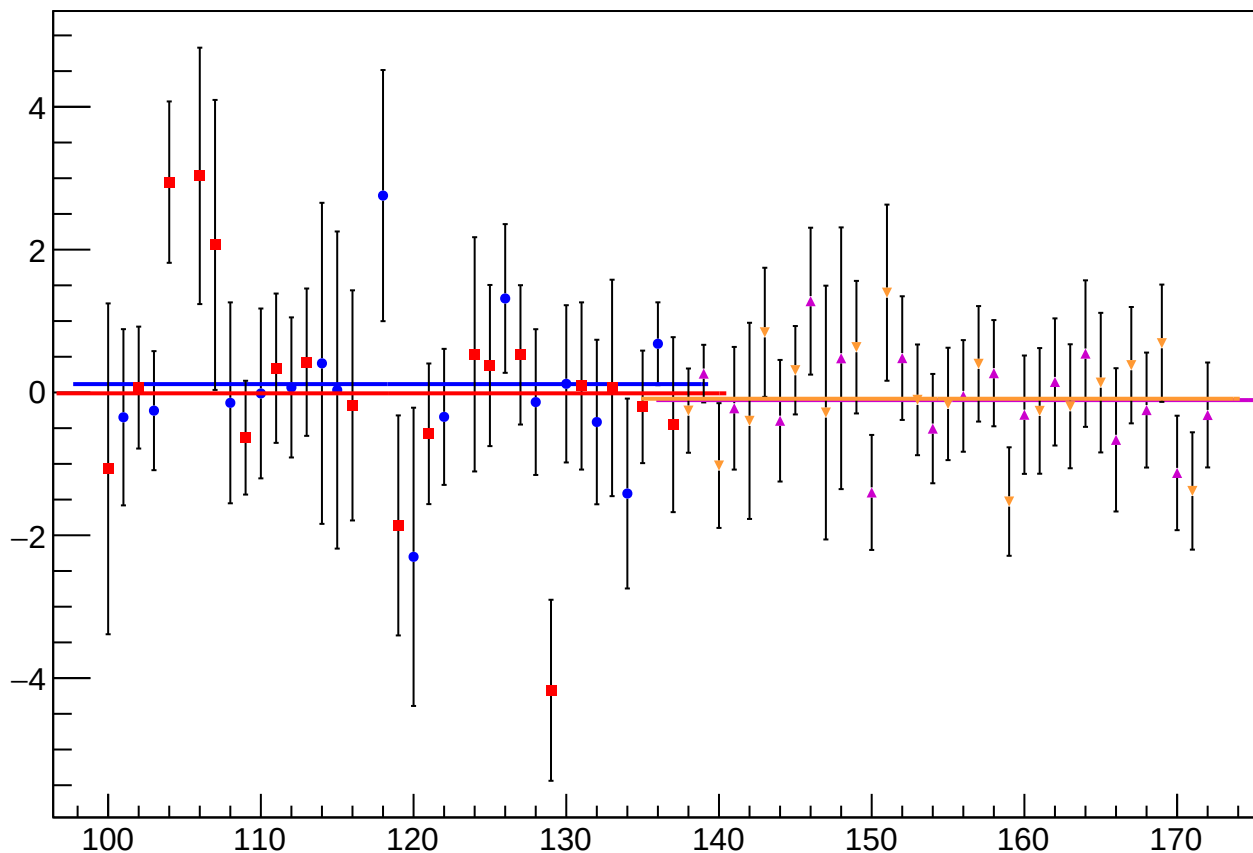
Left In: 6422.586+/-1.226 χ^2/NDF : 416468.2/16

+ sign 6713.284+/-1.042 χ^2/NDF : 1187935.9/33

All: 6671.902+/-0.733 χ^2/NDF : 2499141.9/69

- sign 6631.380+/-1.031 χ^2/NDF : 1308083.1/35

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

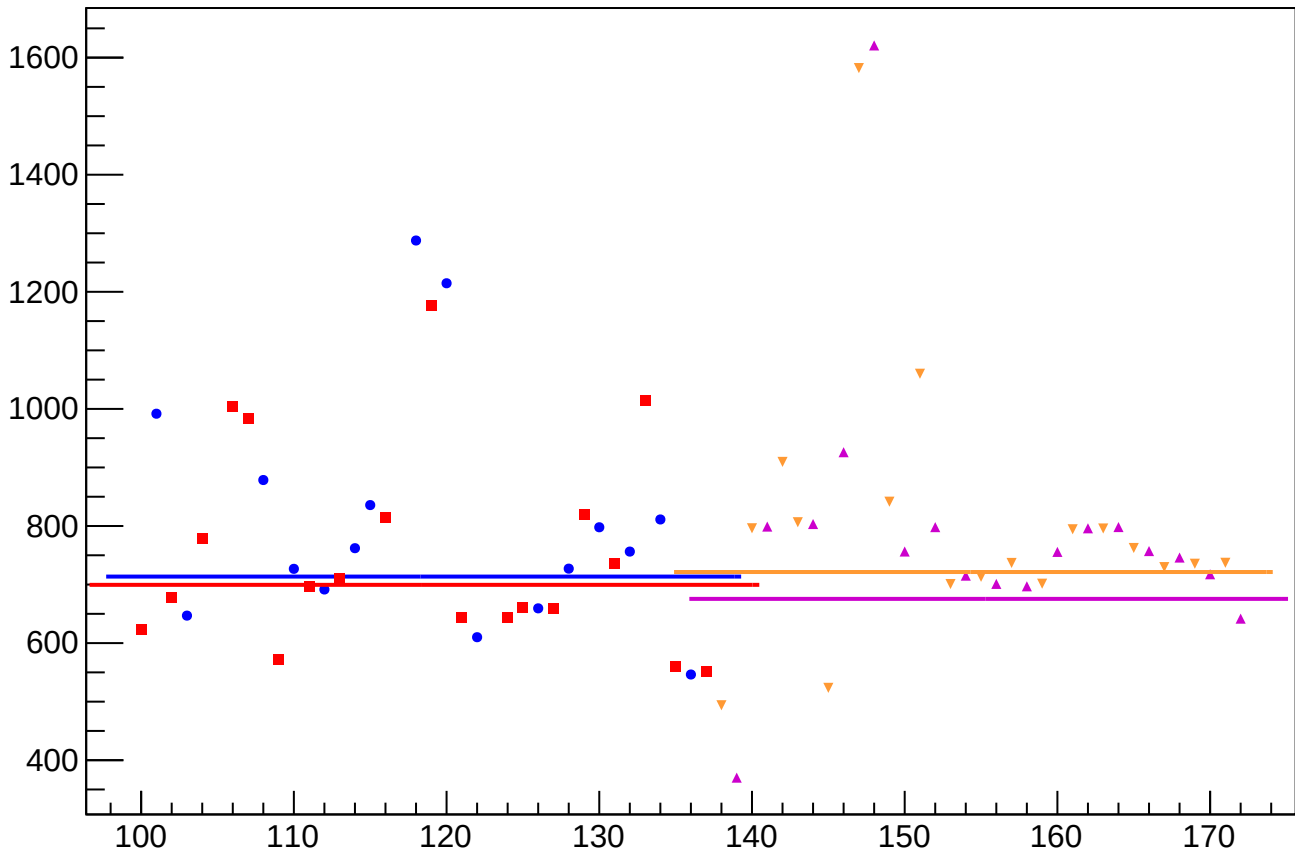
Left In: -0.107 ± 0.190 χ^2/NDF : 9.1/16

+ sign -0.017 ± 0.161 χ^2/NDF : 21.1/33

All: -0.047 ± 0.111 χ^2/NDF : 55.4/69

- sign -0.075 ± 0.154 χ^2/NDF : 34.3/35

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 713.627 $\pm$ 0.193 χ^2 /NDF: 699303.9/15

Left Out: 721.428 $\pm$ 0.140 χ^2 /NDF:1262525.7/17

Right Out: 699.502 $\pm$ 0.186 χ^2 /NDF: 575759.9/18

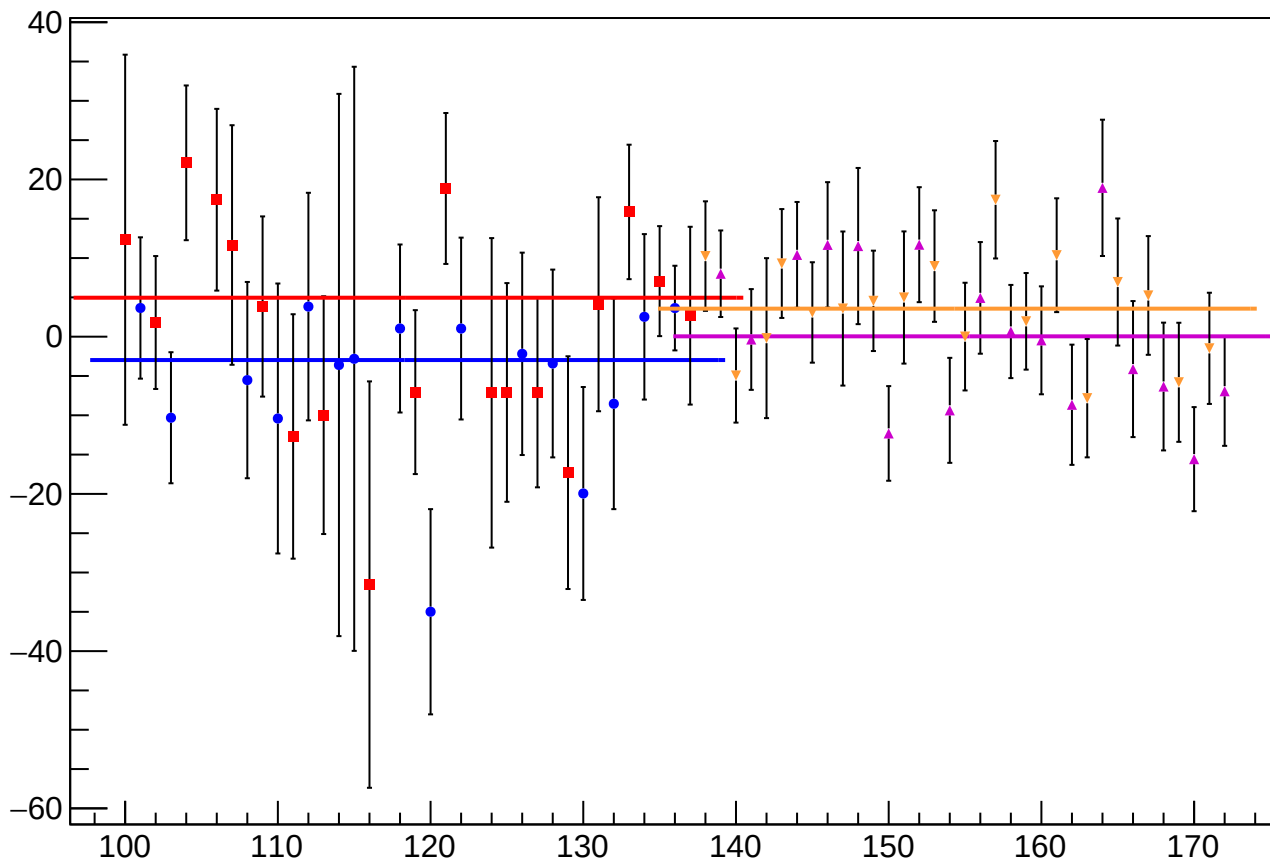
Left In: 675.538 $\pm$ 0.134 χ^2 /NDF:2075510.3/16

+ sign 718.731 $\pm$ 0.114 χ^2 /NDF: 1962896.8/33

All: 700.489 $\pm$ 0.079 χ^2 /NDF: 4674564.6/69

- sign 683.735 $\pm$ 0.109 χ^2 /NDF: 2662178.6/35

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

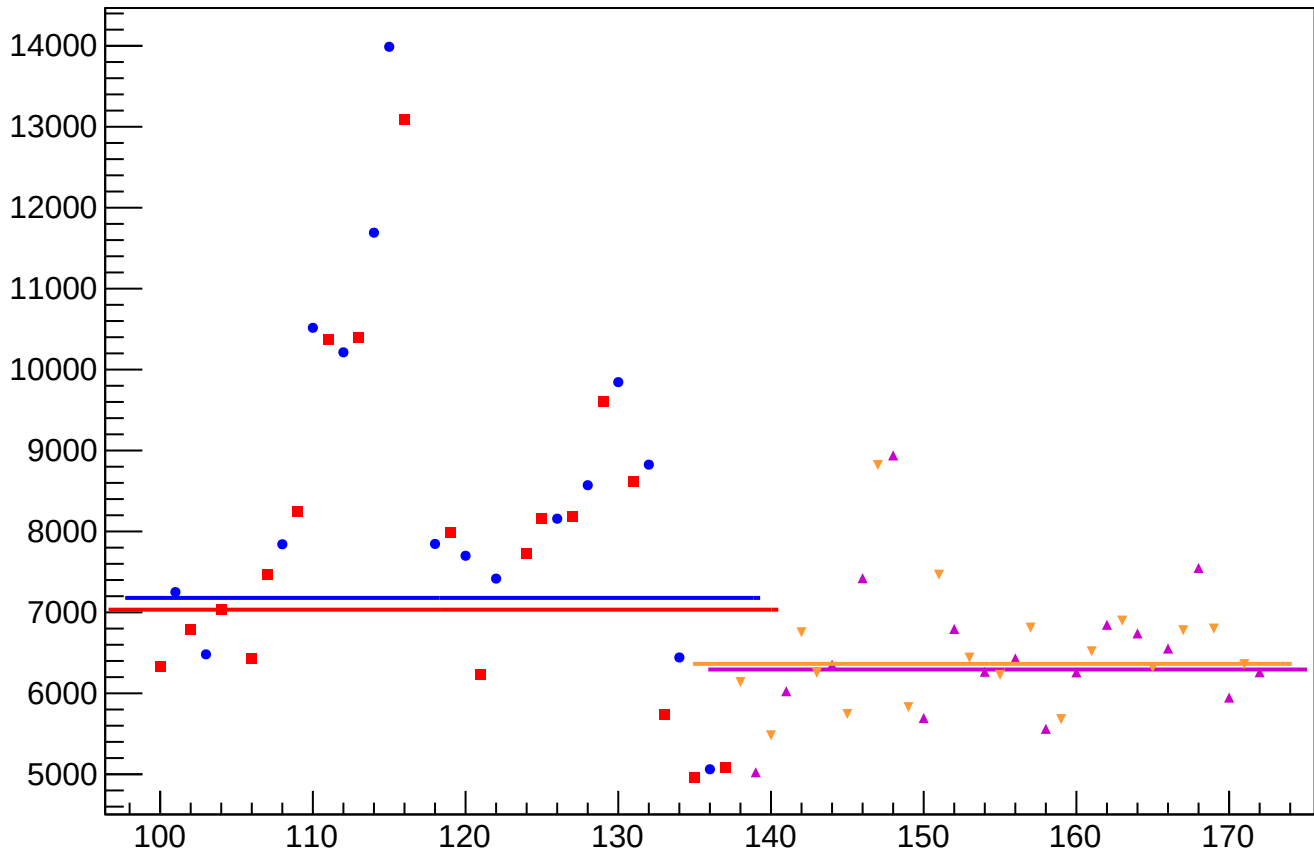
Left In: 0.043 ± 1.700 χ^2/NDF : 30.6/16

+ sign 1.750 ± 1.447 χ^2/NDF : 29.3/33

All: 1.610 ± 1.018 χ^2/NDF : 80.8/69

- sign 1.473 ± 1.431 χ^2/NDF : 51.5/35

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7178.925 $\pm$ 1.942 χ^2 /NDF: 761936.2/15

Left Out: 6364.253 $\pm$ 1.204 χ^2 /NDF: 298512.3/17

Right Out: 7033.538 $\pm$ 1.876 χ^2 /NDF: 766389.2/18

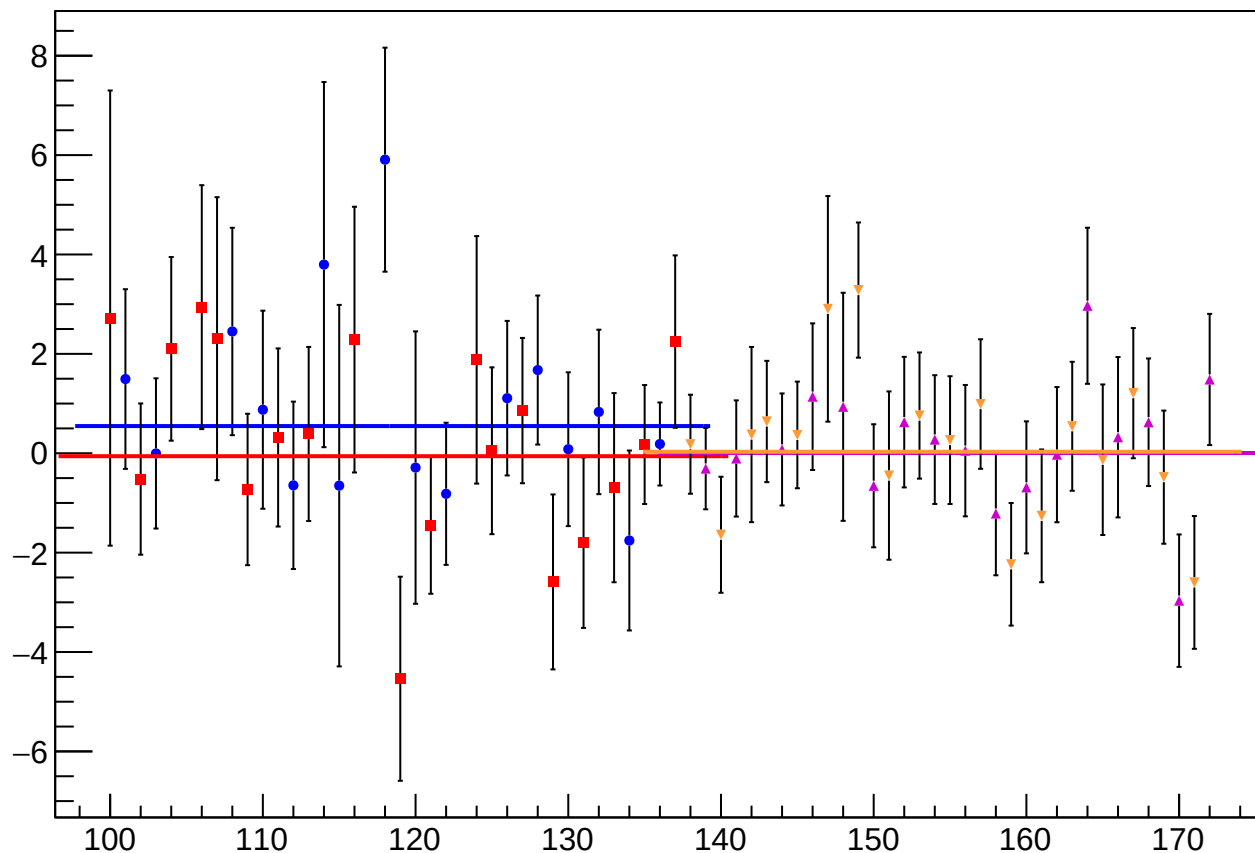
Left In: 6294.197 $\pm$ 1.202 χ^2 /NDF: 423265.7/16

+ sign 6590.363 $\pm$ 1.023 χ^2 /NDF: 1187619.5/33

All: 6549.464 $\pm$ 0.720 χ^2 /NDF: 2490532.4/69

- sign 6509.420 $\pm$ 1.012 χ^2 /NDF: 1299749.4/35

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

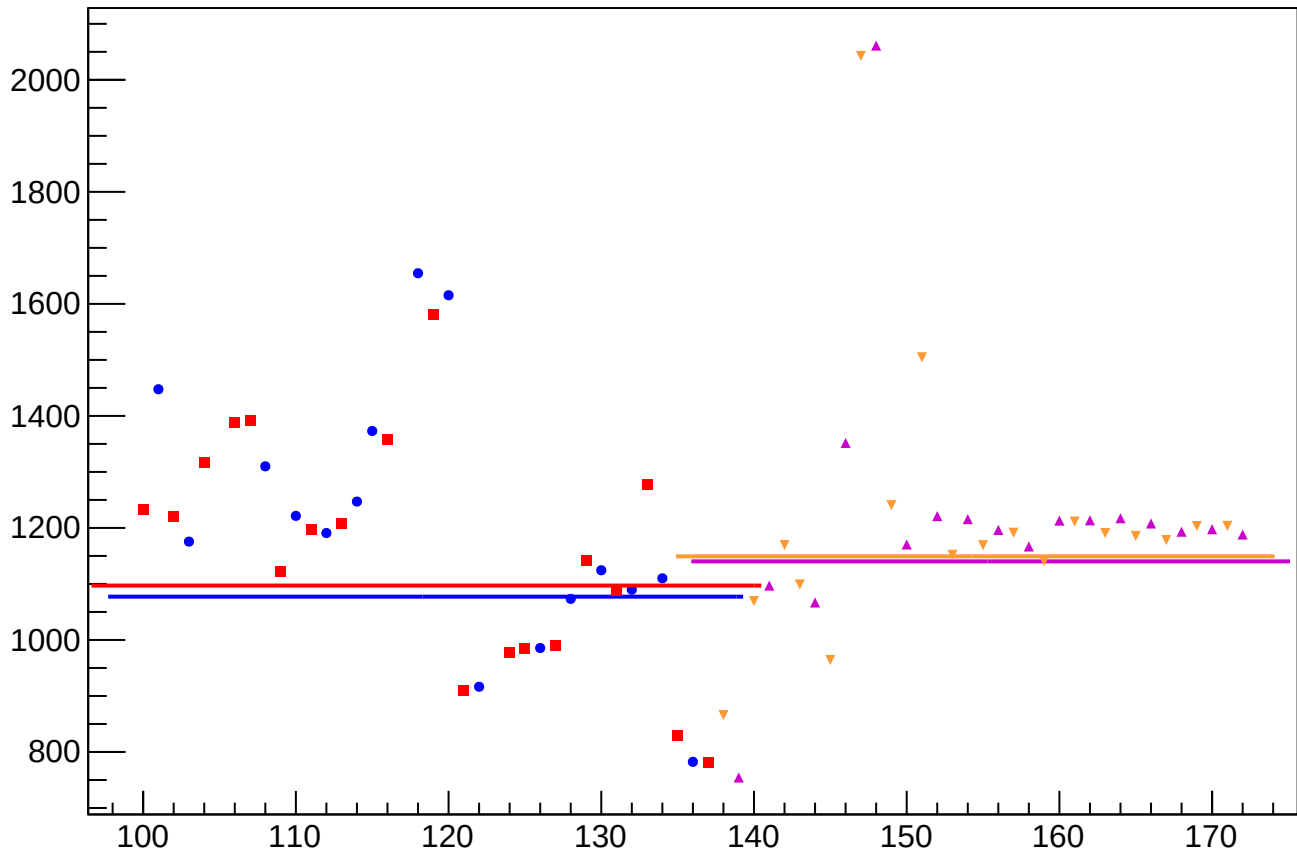
Left In: 0.005 ± 0.311 χ^2/NDF : 12.8/16

+ sign 0.217 ± 0.247 χ^2/NDF : 33.0/33

All: 0.100 ± 0.175 χ^2/NDF : 63.1/69

- sign -0.019 ± 0.248 χ^2/NDF : 29.6/35

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1077.306 $\pm$ 0.291 χ^2 /NDF: 646521.7/15

Left Out: 1149.278 $\pm$ 0.219 χ^2 /NDF: 658988.1/17

Right Out: 1097.108 $\pm$ 0.289 χ^2 /NDF: 484370.7/18

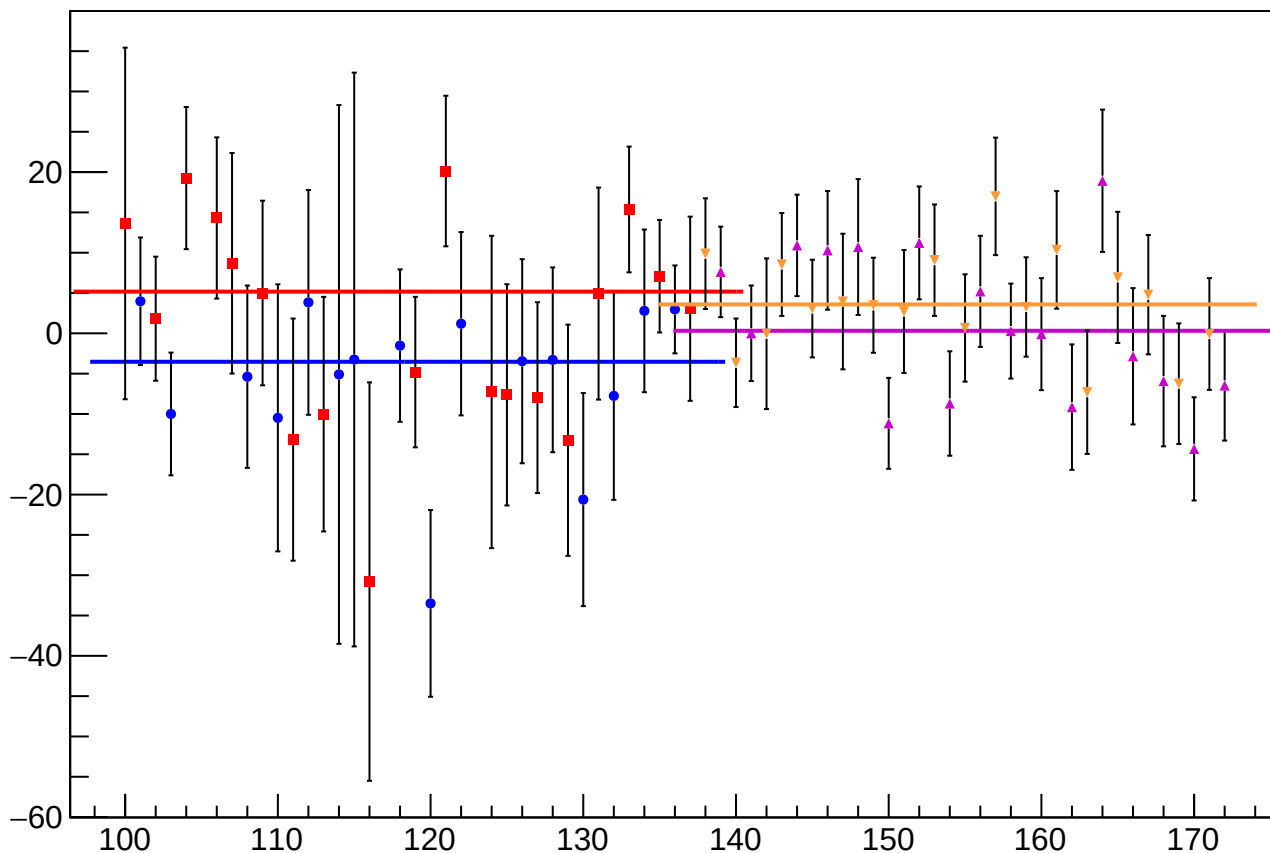
Left In: 1140.281 $\pm$ 0.220 χ^2 /NDF: 866954.3/16

+ sign 1123.235 $\pm$ 0.175 χ^2 /NDF: 1344671.9/33

All: 1123.847 $\pm$ 0.124 χ^2 /NDF: 2710150.3/69

- sign 1124.459 $\pm$ 0.175 χ^2 /NDF: 1365453.9/35

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.527 $\pm$ 2.608 χ^2/NDF : 12.6/15

Left Out: 3.589 $\pm$ 1.635 χ^2/NDF : 12.6/17

Right Out: 5.176 $\pm$ 2.508 χ^2/NDF : 18.2/18

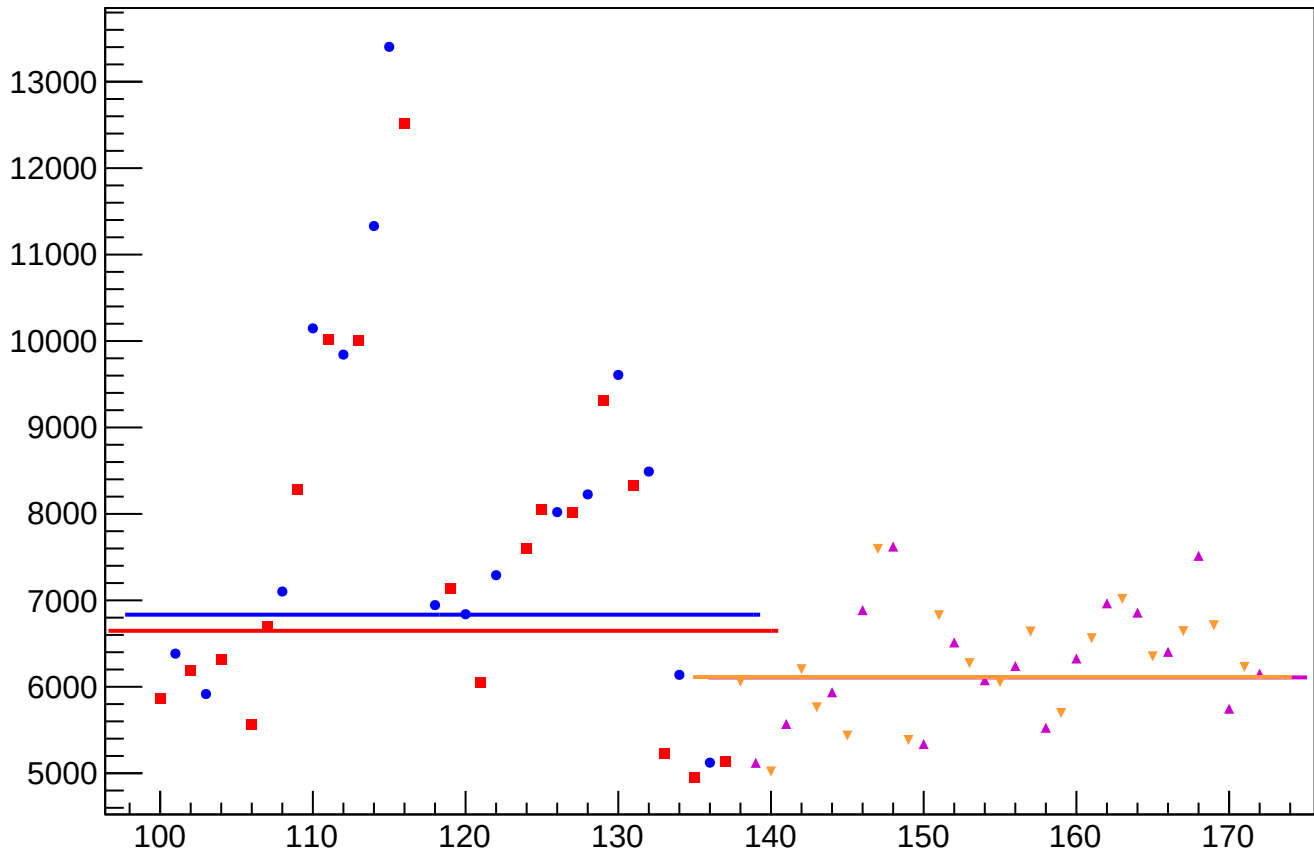
Left In: 0.317 $\pm$ 1.647 χ^2/NDF : 29.8/16

+ sign 1.582 $\pm$ 1.385 χ^2/NDF : 30.6/33

All: 1.682 $\pm$ 0.976 χ^2/NDF : 81.2/69

- sign 1.781 $\pm$ 1.377 χ^2/NDF : 50.6/35

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

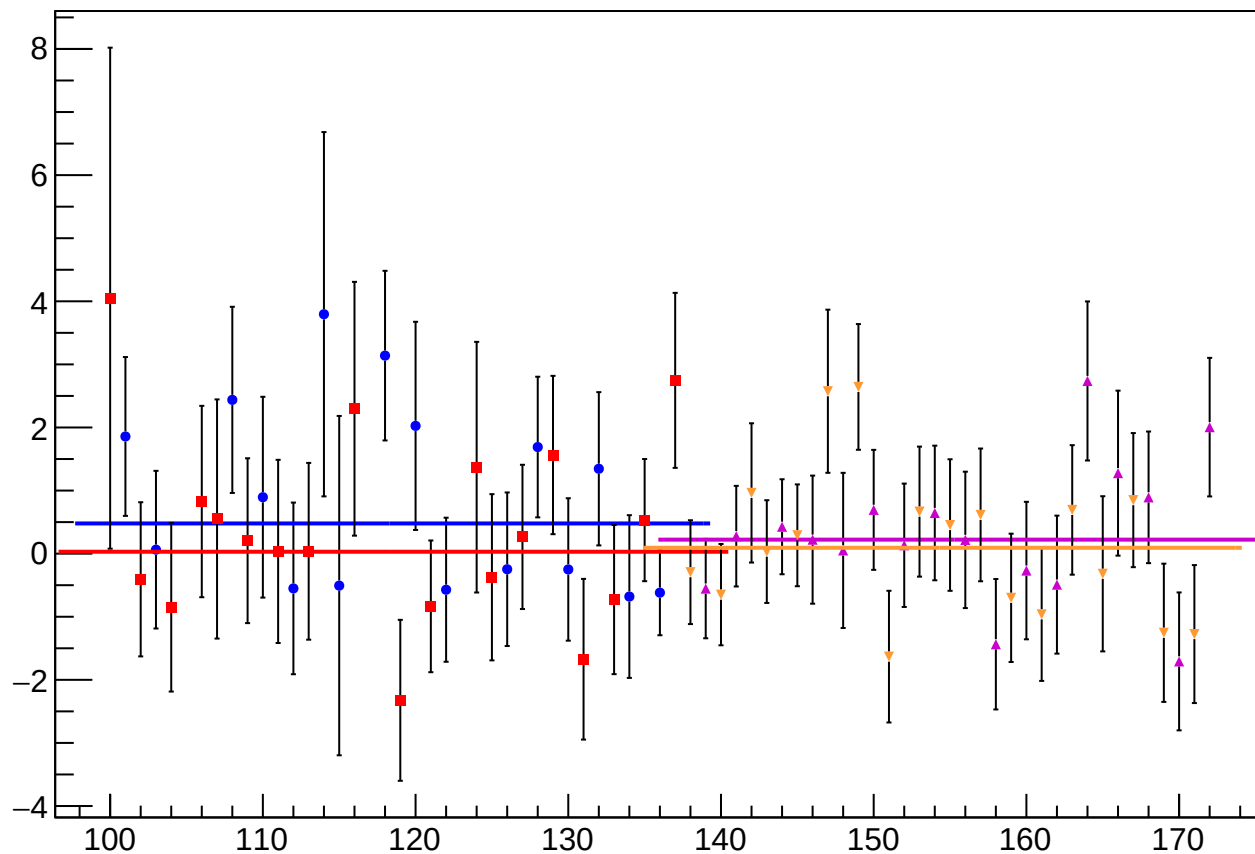
Left In: 6108.612+/-1.164 χ^2/NDF : 341324.0/16

+ sign 6316.418+/-0.979 χ^2/NDF : 1105097.5/33

All: 6293.626+/-0.690 χ^2/NDF : 2297239.8/69

- sign 6271.113+/-0.973 χ^2/NDF : 1191065.7/35

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

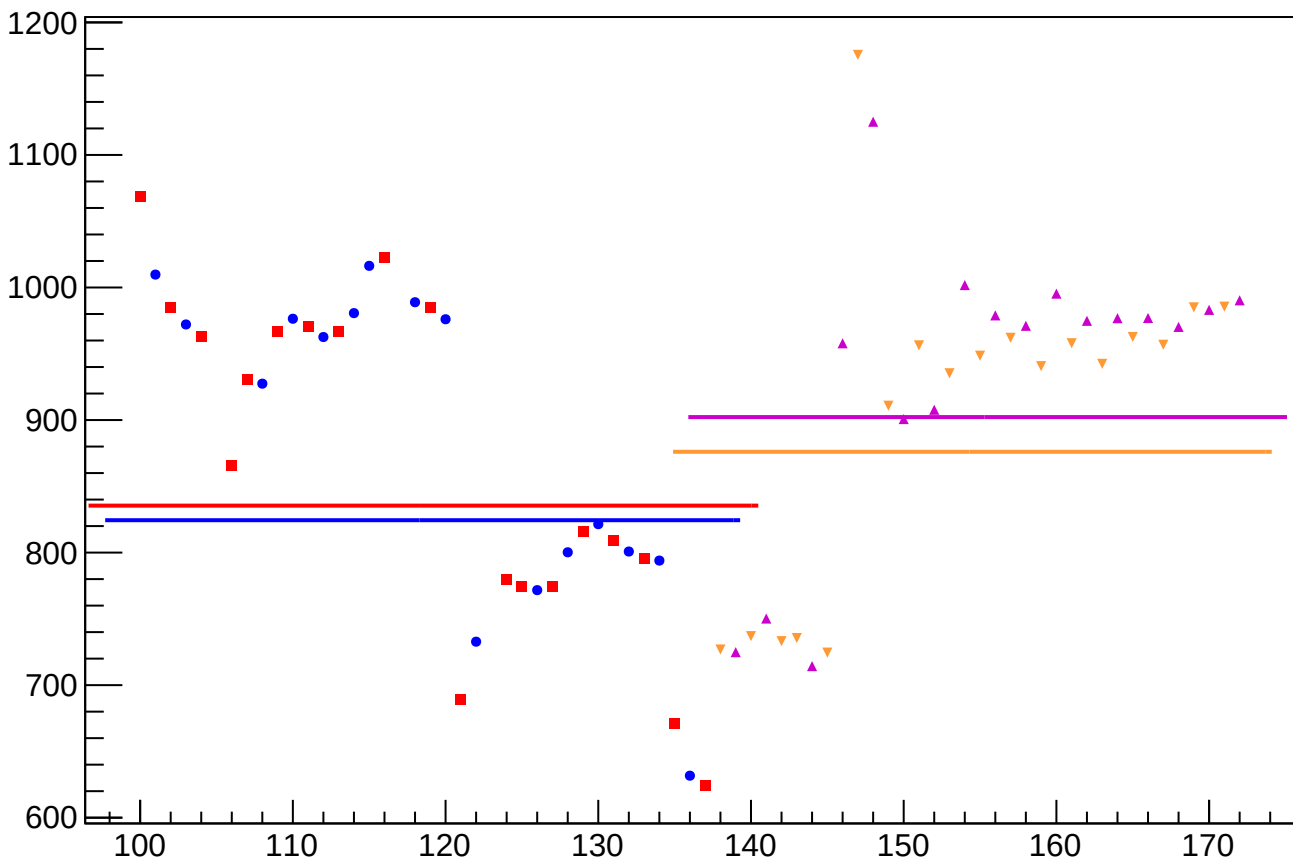
Left In: 0.222 ± 0.243 χ^2/NDF : 15.5/16

+ sign 0.233 ± 0.187 χ^2/NDF : 38.8/33

All: 0.192 ± 0.134 χ^2/NDF : 70.3/69

- sign 0.149 ± 0.191 χ^2/NDF : 31.4/35

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 824.431 $\pm$ 0.220 χ^2 /NDF: 365461.7/15

Left Out: 876.057 $\pm$ 0.166 χ^2 /NDF: 530273.9/17

Right Out: 835.437 $\pm$ 0.218 χ^2 /NDF: 319302.1/18

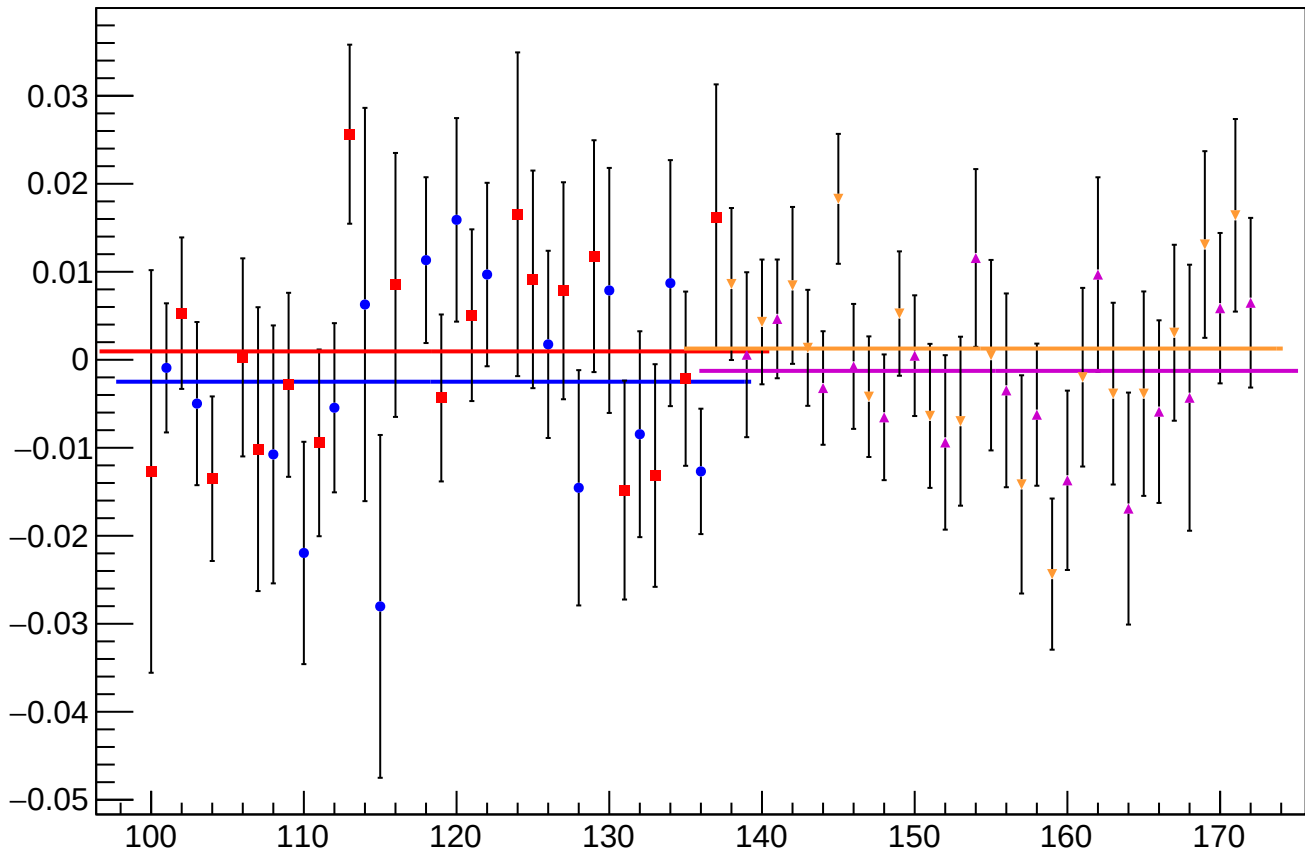
Left In: 902.237 $\pm$ 0.172 χ^2 /NDF: 476009.0/16

+ sign 857.345 $\pm$ 0.132 χ^2 /NDF: 930919.0/33

All: 866.775 $\pm$ 0.095 χ^2 /NDF: 1794394.5/69

- sign 876.612 $\pm$ 0.135 χ^2 /NDF: 853096.0/35

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

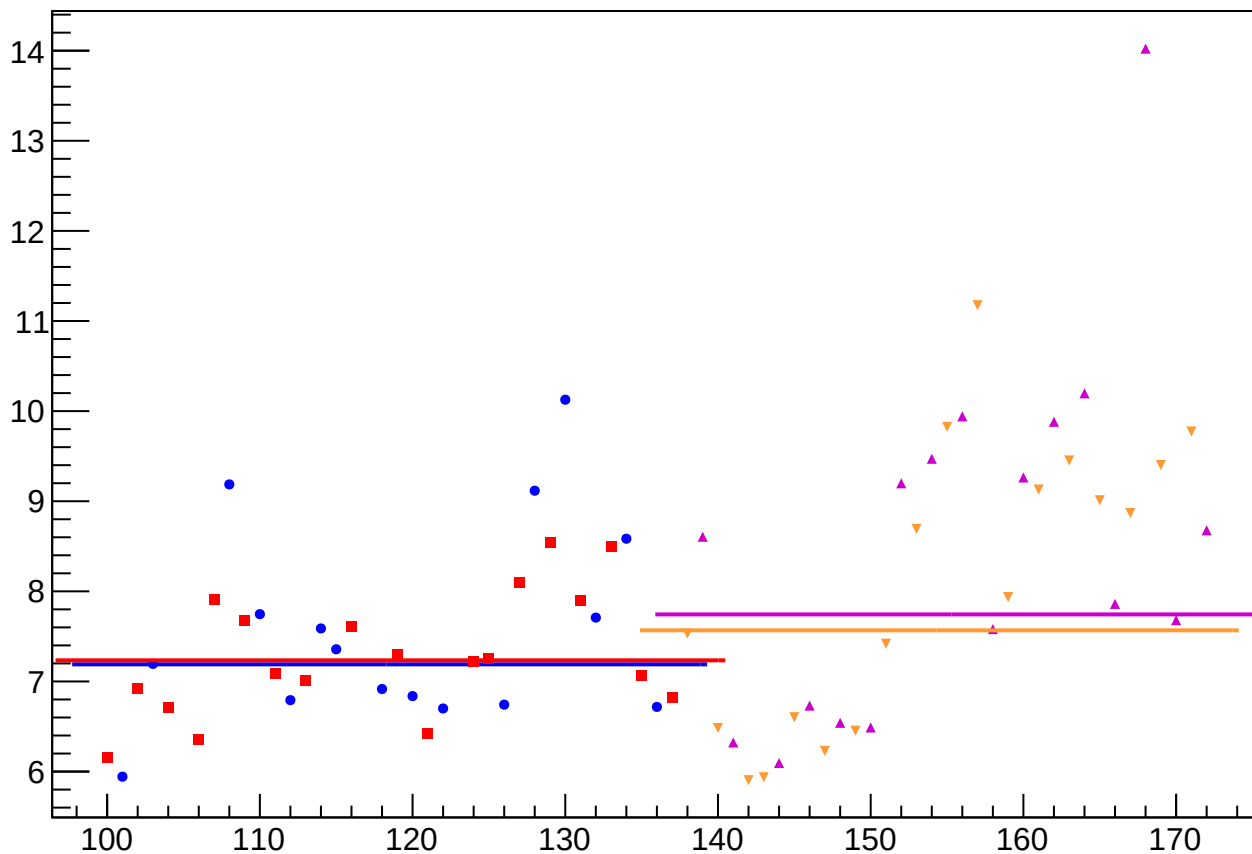
Left In: -0.001 ± 0.002 χ^2/NDF : 9.7/16

+ sign -0.000 ± 0.002 χ^2/NDF : 40.1/33

All: -0.000 ± 0.001 χ^2/NDF : 67.6/69

- sign -0.000 ± 0.002 χ^2/NDF : 27.4/35

diff_dispE_bpm12X_rms vs Slug



Right In: 7.190 $\pm$ 0.002 χ^2 /NDF: 277639.9/15

Left Out: 7.567 $\pm$ 0.001 χ^2 /NDF: 1007064.2/17

Right Out: 7.234 $\pm$ 0.002 χ^2 /NDF: 106266.0/18

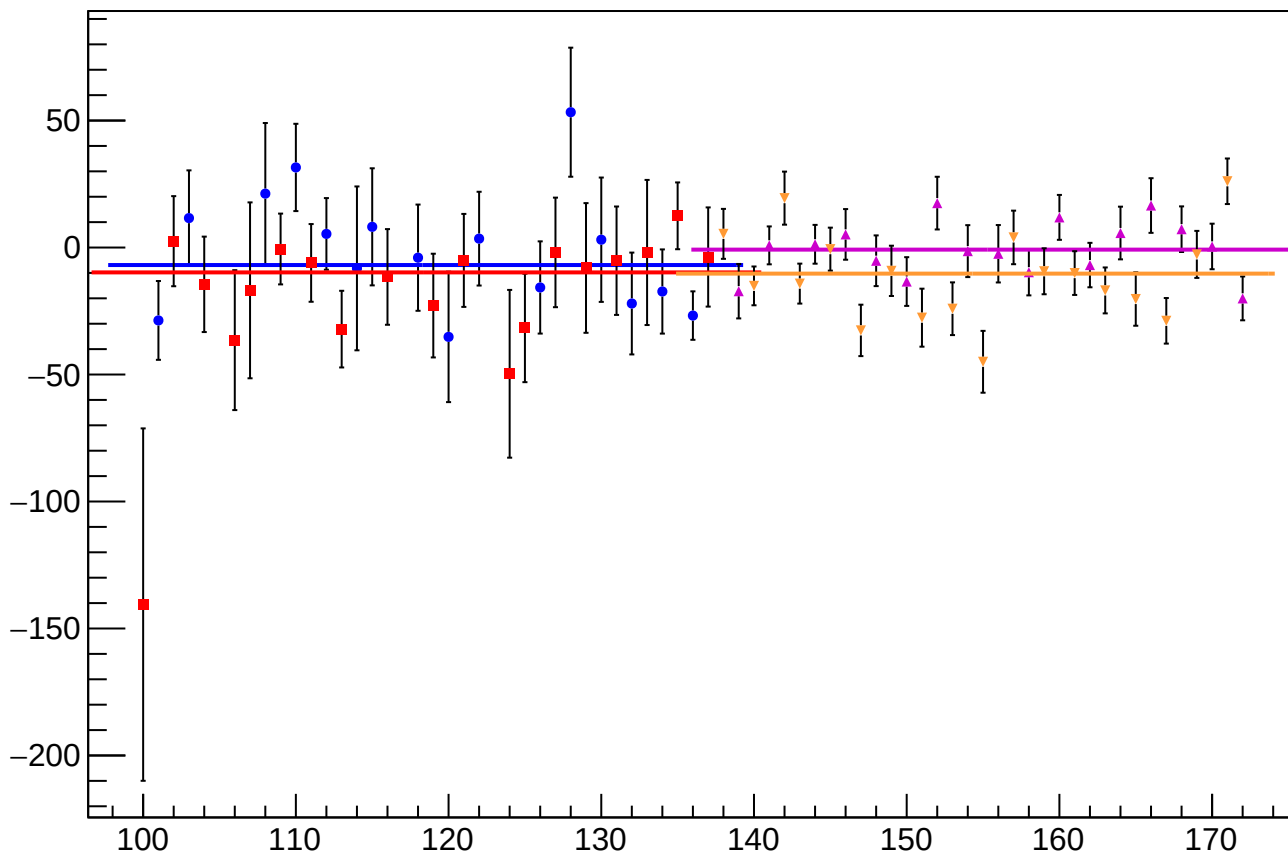
Left In: 7.744 $\pm$ 0.001 χ^2 /NDF: 1135292.0/16

+ sign 7.429 $\pm$ 0.001 χ^2 /NDF: 1309364.8/33

All: 7.487 $\pm$ 0.001 χ^2 /NDF: 2600980.0/69

- sign 7.547 $\pm$ 0.001 χ^2 /NDF: 1286559.7/35

diff_targ_positionX_mean vs Slug



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

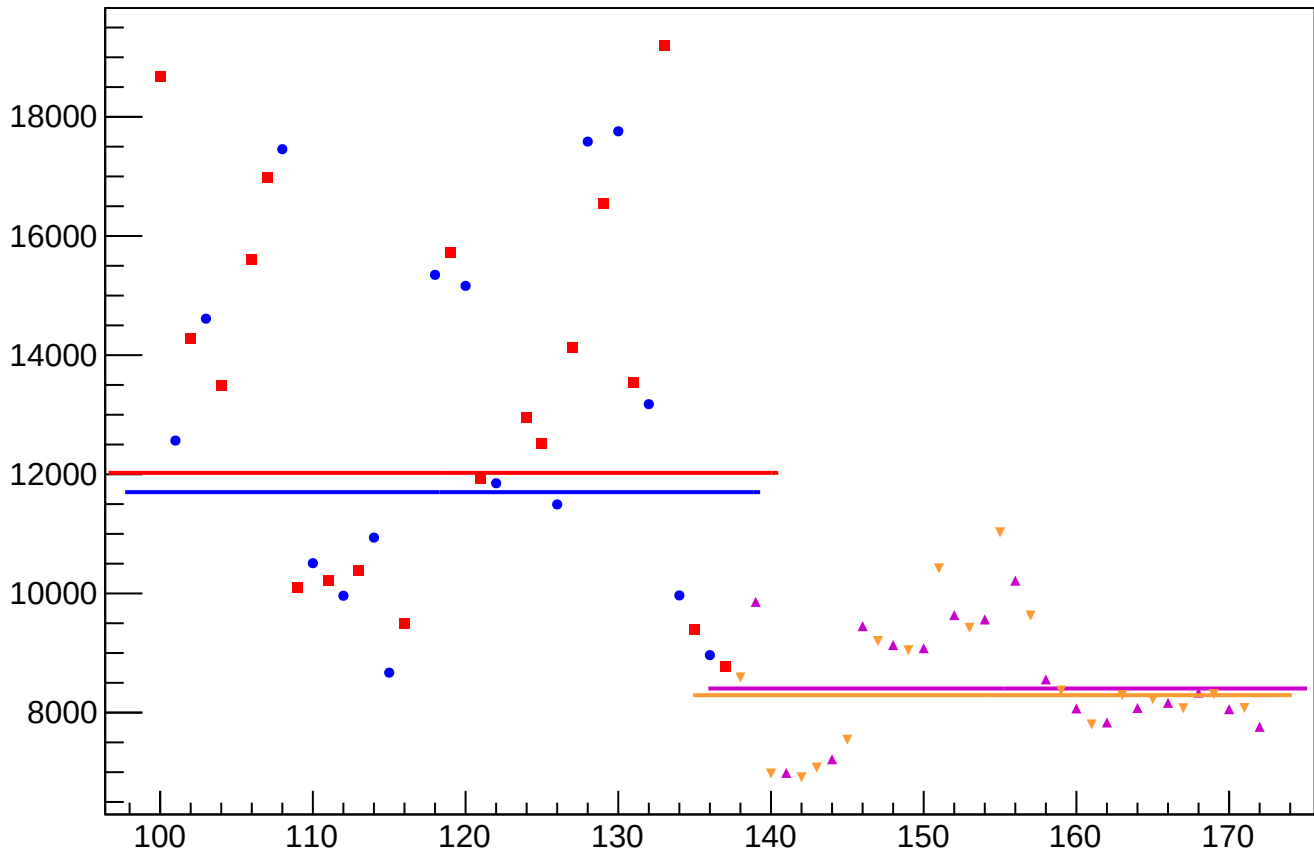
Left In: -0.823 ± 2.262 χ^2/NDF : 20.1/16

+ sign -9.606 ± 1.990 χ^2/NDF : 77.8/33

All: -6.170 ± 1.418 χ^2/NDF : 121.2/69

- sign -2.620 ± 2.022 χ^2/NDF : 37.3/35

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

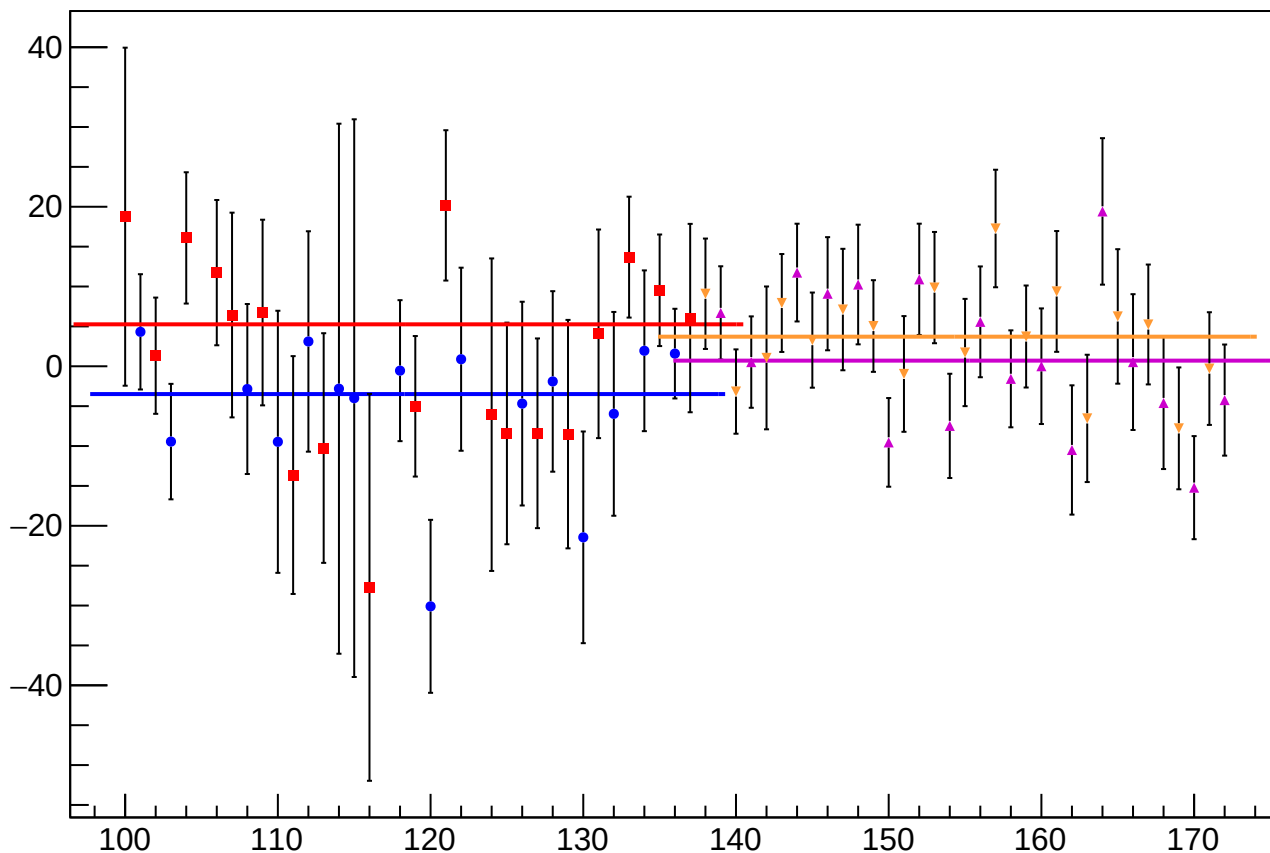
Left In: 8404.871+/-1.599 χ^2/NDF : 334165.5/16

+ sign 8962.657+/-1.407 χ^2/NDF : 2088840.6/33

All: 9045.074+/-1.003 χ^2/NDF : 4141376.3/69

- sign 9130.196+/-1.430 χ^2/NDF : 2045561.0/35

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

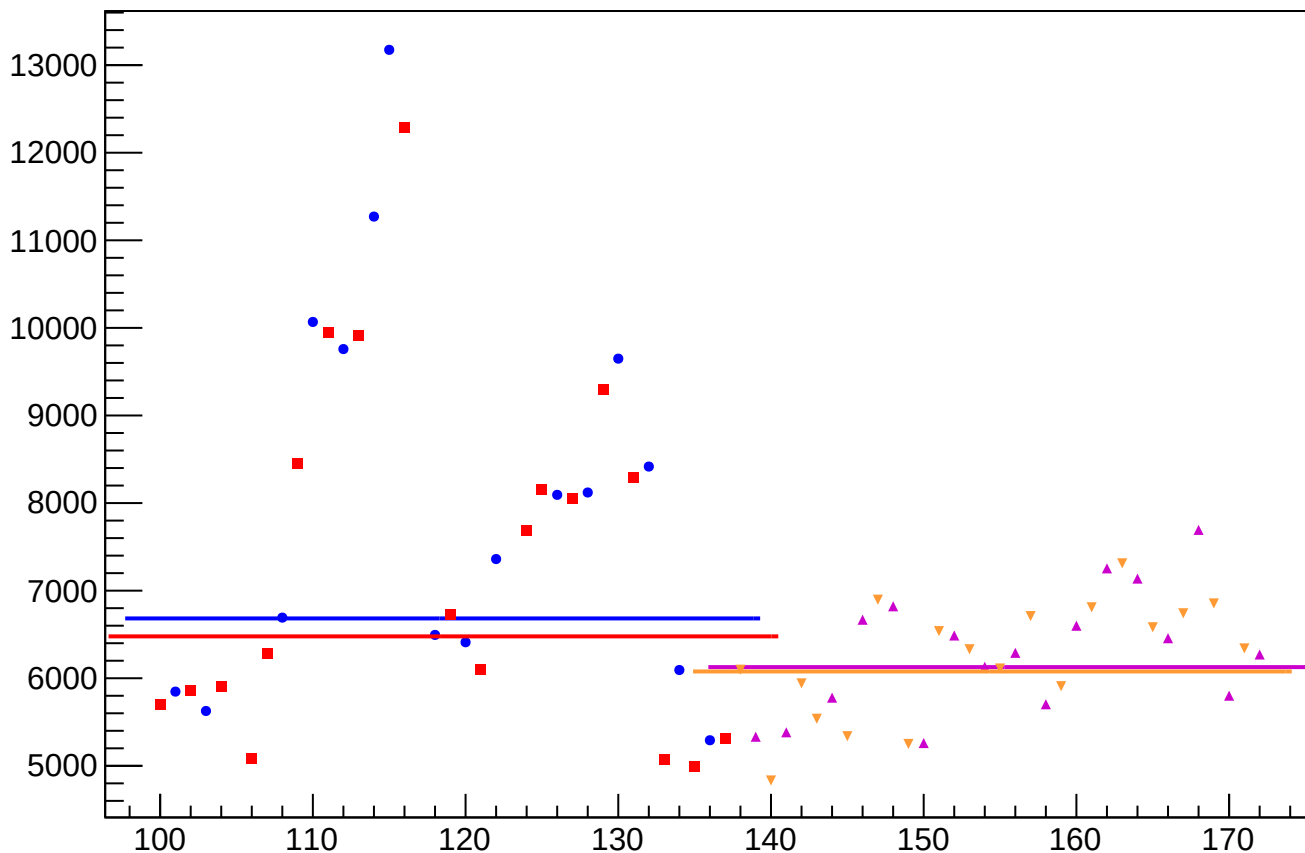
Left In: 0.707 ± 1.650 χ^2/NDF : 28.1/16

+ sign 1.629 ± 1.371 χ^2/NDF : 29.9/33

All: 1.881 ± 0.969 χ^2/NDF : 77.0/69

- sign 2.131 ± 1.368 χ^2/NDF : 47.1/35

diff_targ_positionY_rms vs Slug



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

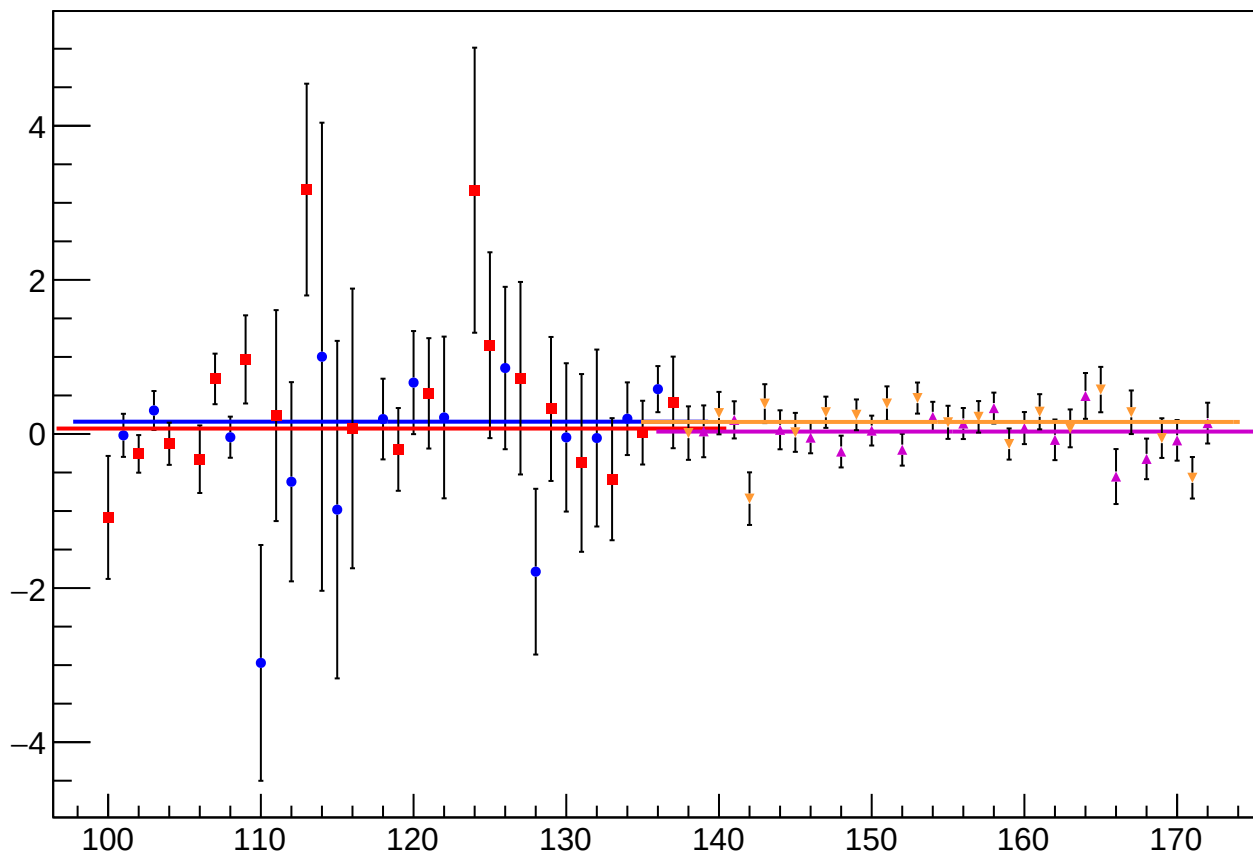
Left In: 6127.145+/-1.167 χ^2/NDF : 322659.0/16

+ sign 6252.566+/-0.970 χ^2/NDF : 1134151.0/33

All: 6244.729+/-0.685 χ^2/NDF : 2324458.6/69

- sign 6236.929+/-0.967 χ^2/NDF : 1190177.3/35

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

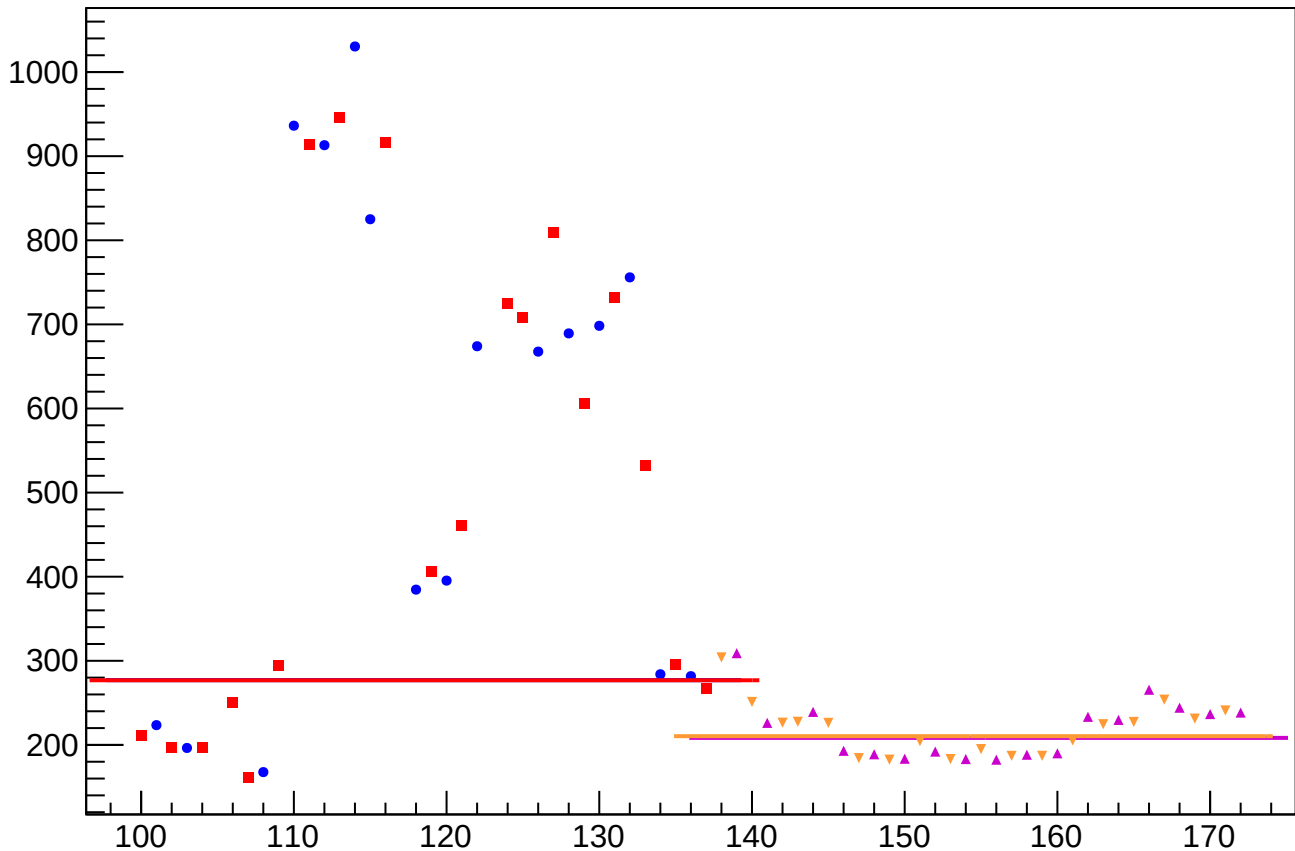
Left In: 0.031 ± 0.056 χ^2/NDF : 14.5/16

+ sign 0.157 ± 0.051 χ^2/NDF : 39.4/33

All: 0.098 ± 0.036 χ^2/NDF : 79.1/69

- sign 0.038 ± 0.051 χ^2/NDF : 37.0/35

diff_targ_thetaX_rms vs Slug



Right In: 277.017 $\pm$ 0.085 χ^2 /NDF: 3450533.8/15

Left Out: 210.367 $\pm$ 0.040 χ^2 /NDF: 484419.2/17

Right Out: 276.866 $\pm$ 0.085 χ^2 /NDF: 3571620.7/18

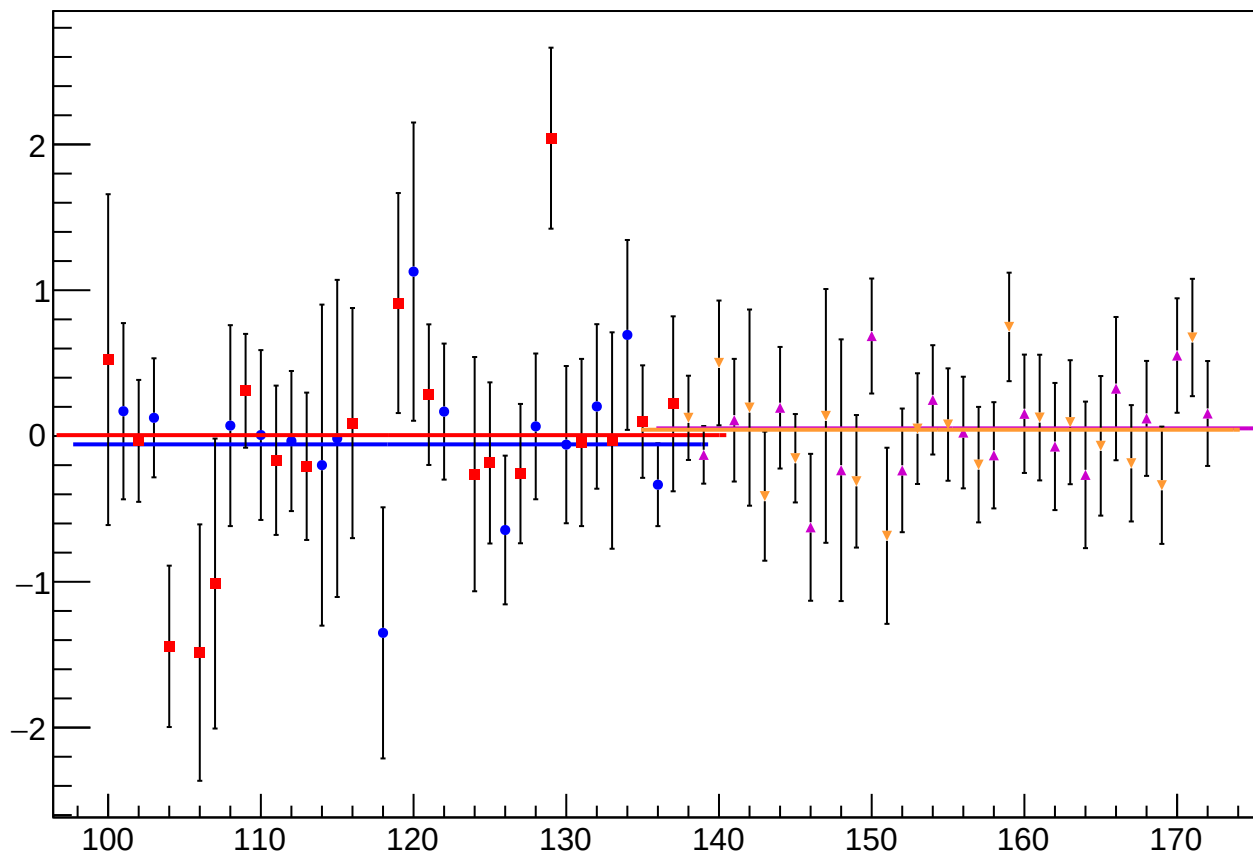
Left In: 208.349 $\pm$ 0.040 χ^2 /NDF: 562240.5/16

+ sign 222.502 $\pm$ 0.036 χ^2 /NDF: 4443135.6/33

All: 221.643 $\pm$ 0.026 χ^2 /NDF: 9114498.5/69

- sign 220.785 $\pm$ 0.036 χ^2 /NDF: 4670229.1/35

diff_targ_thetaY_mean vs Slug



Right In: -0.057 ± 0.134 $\chi^2/\text{NDF}: 8.1/15$

Left Out: 0.043 ± 0.097 $\chi^2/\text{NDF}: 12.6/17$

Right Out: 0.006 ± 0.129 $\chi^2/\text{NDF}: 25.2/18$

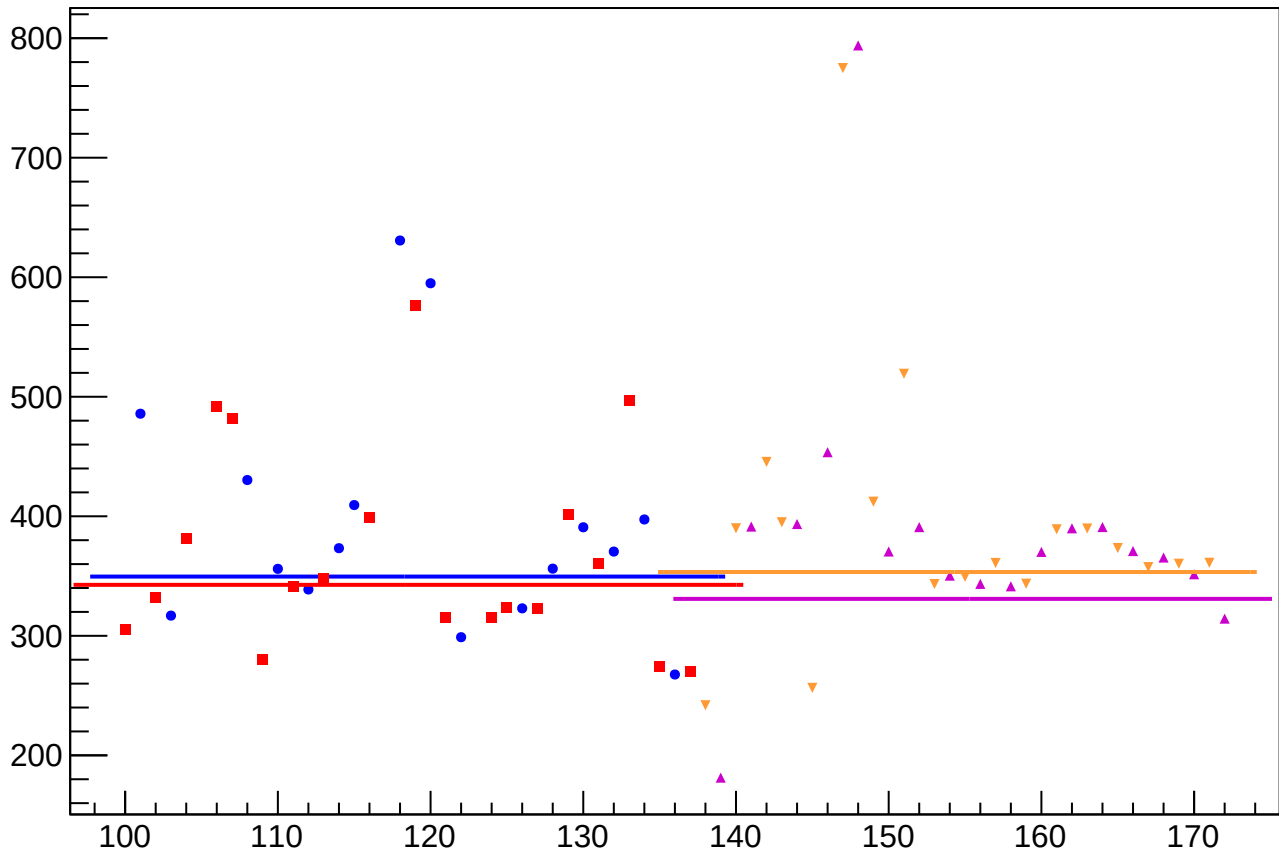
Left In: 0.052 ± 0.093 $\chi^2/\text{NDF}: 9.1/16$

+ sign 0.008 ± 0.079 $\chi^2/\text{NDF}: 21.1/33$

All: 0.023 ± 0.054 $\chi^2/\text{NDF}: 55.4/69$

- sign 0.037 ± 0.075 $\chi^2/\text{NDF}: 34.3/35$

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

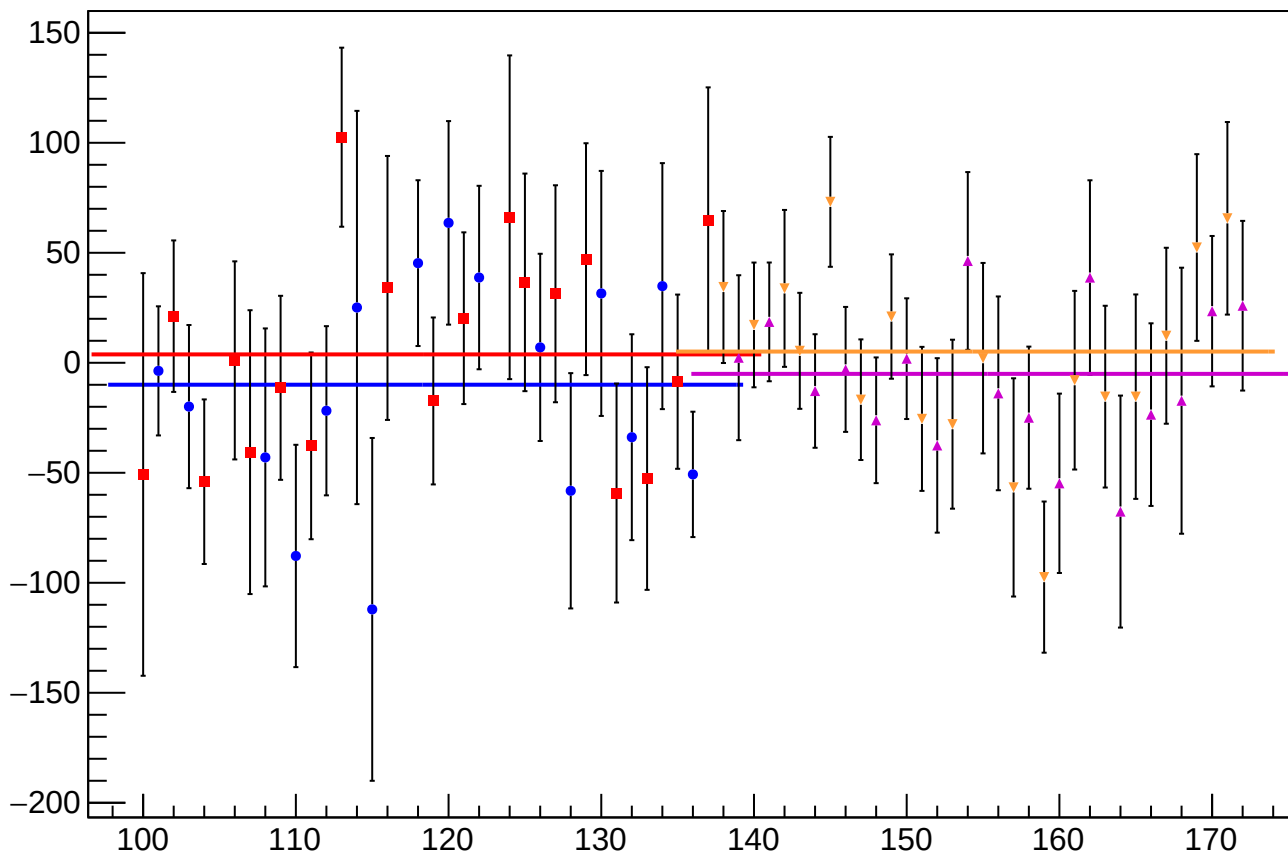
Left In: 330.903 ± 0.066 χ^2/NDF : 2075510.3/16

+ sign 352.060 ± 0.056 χ^2/NDF : 1962896.8/33

All: 343.125 ± 0.038 χ^2/NDF : 4674564.6/69

- sign 334.918 ± 0.053 χ^2/NDF : 2662178.6/35

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

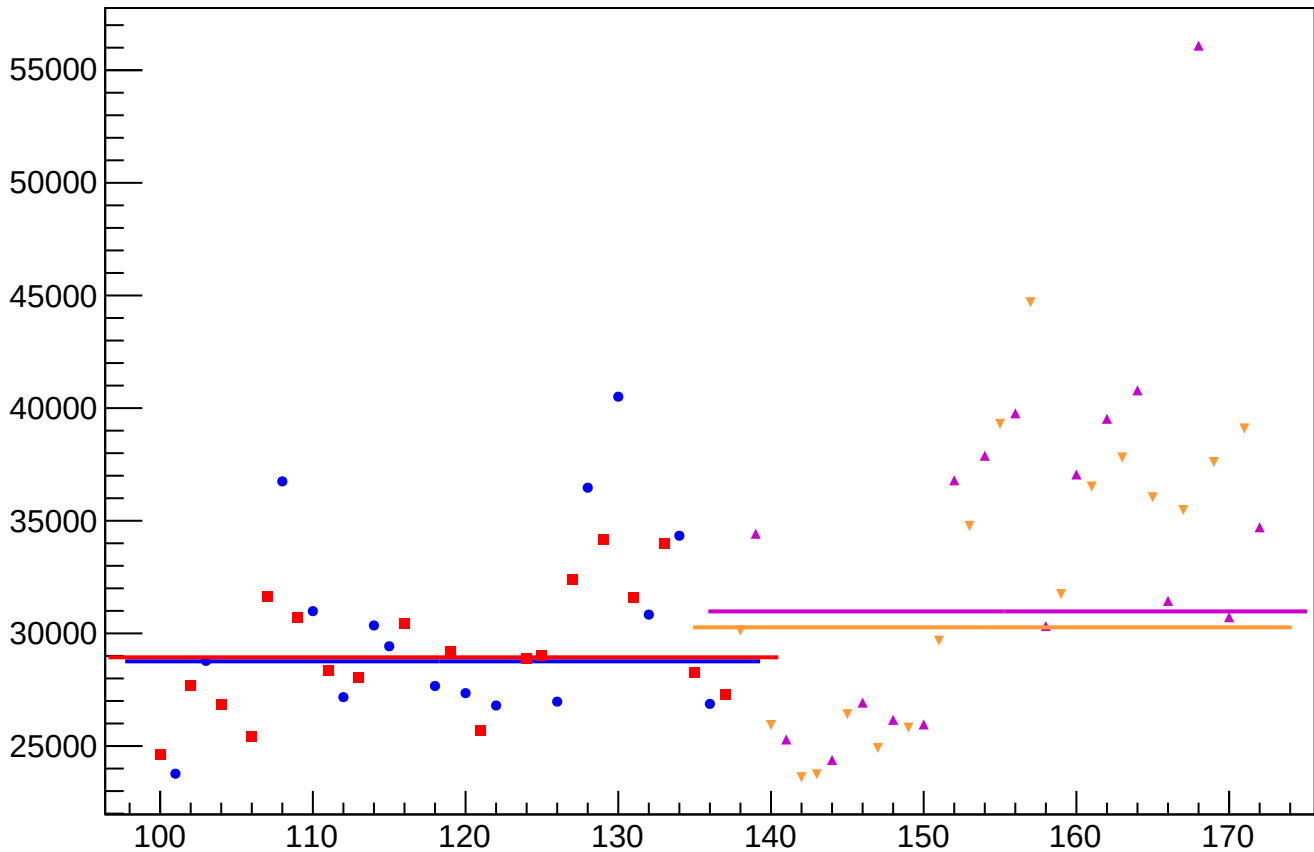
Left In: -5.039 ± 8.465 χ^2/NDF : 9.7/16

+ sign -0.403 ± 6.550 χ^2/NDF : 40.1/33

All: -0.998 ± 4.657 χ^2/NDF : 67.6/69

- sign -1.606 ± 6.623 χ^2/NDF : 27.4/35

diff_bpmE_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 30269.532 $\pm$ 5.814 χ^2 /NDF:1007064.2/17

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

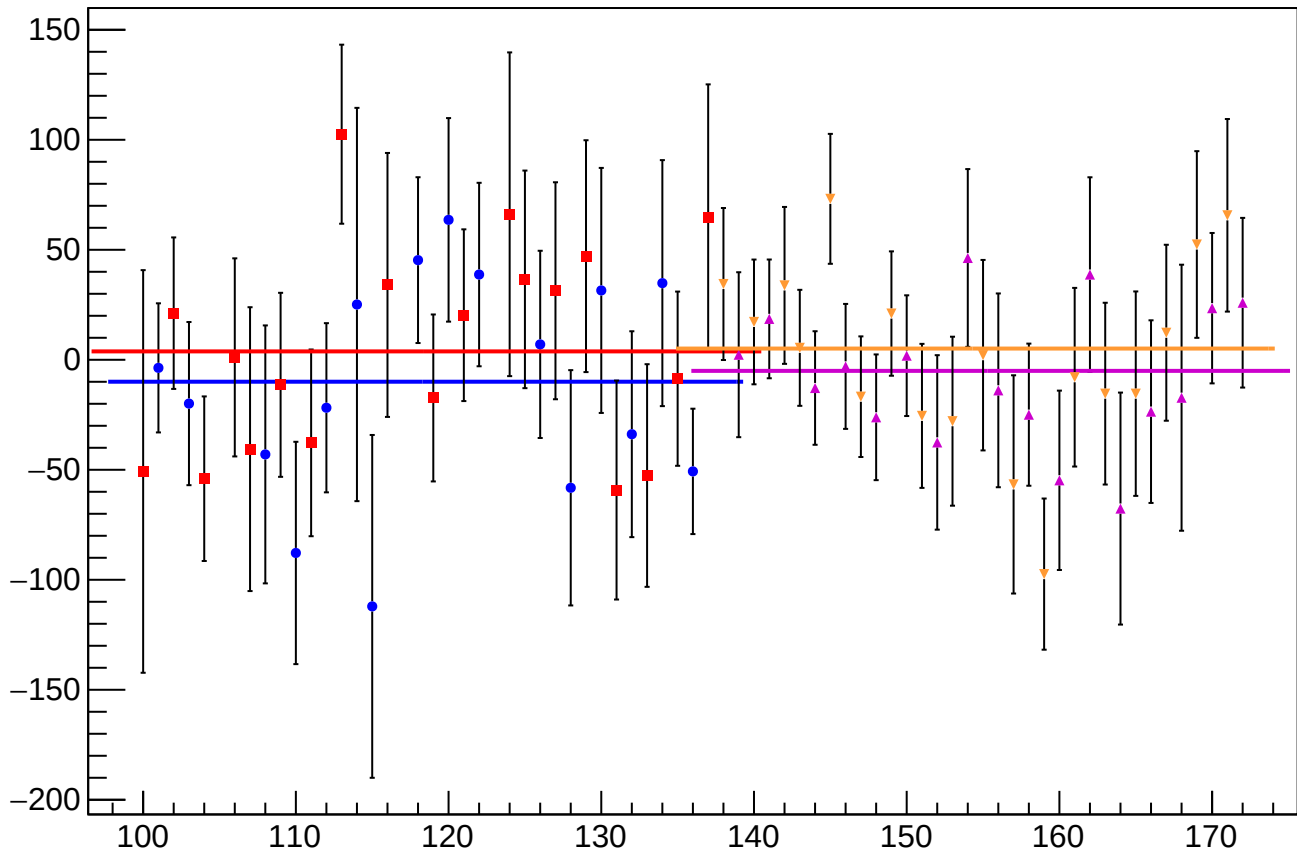
Left In: 30976.683 $\pm$ 5.985 χ^2 /NDF:1135292.0/16

+ sign 29717.674 $\pm$ 4.632 χ^2 /NDF: 1309364.8/33

All: 29949.237 $\pm$ 3.293 χ^2 /NDF: 2600980.0/6

- sign 30186.009 $\pm$ 4.683 χ^2 /NDF: 1286559.7/35

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

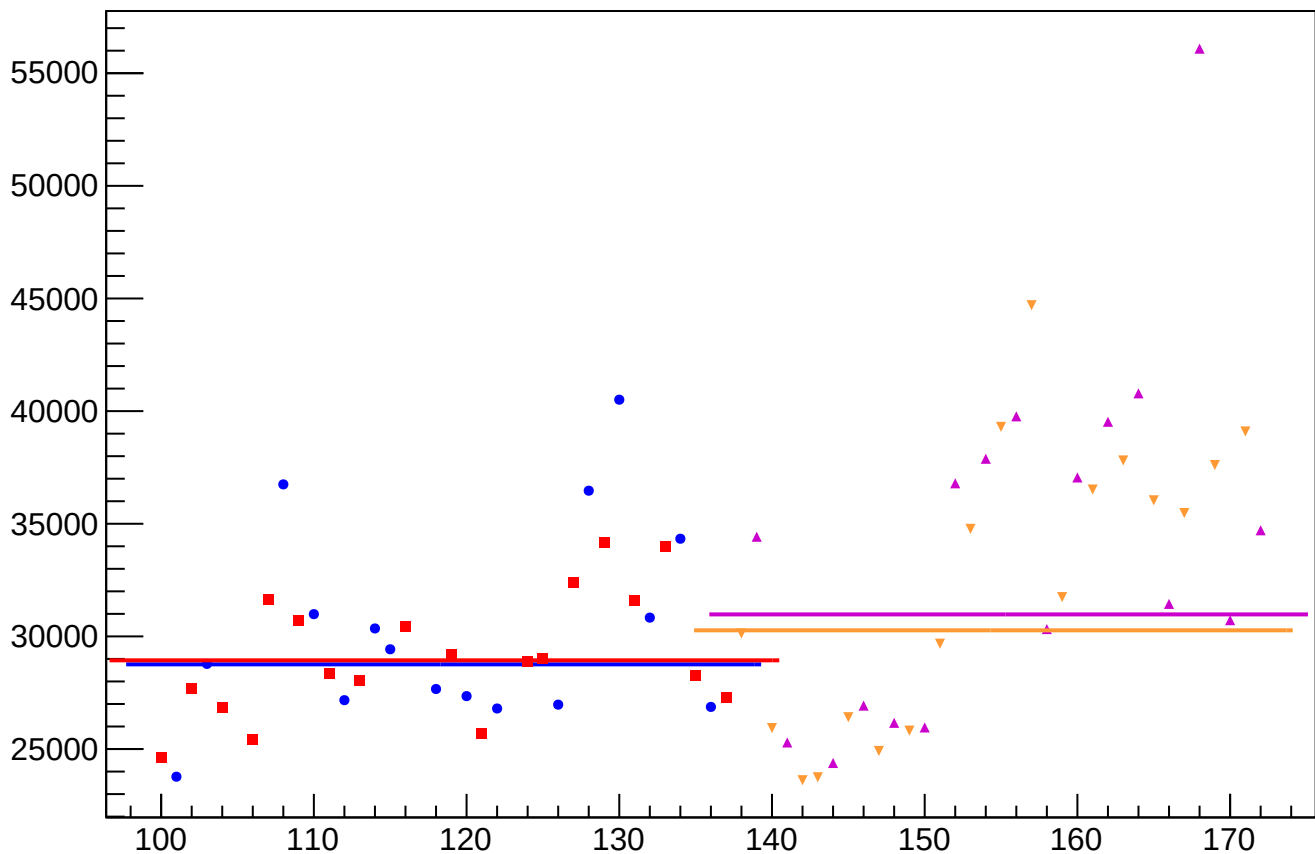
Left In: -5.039 ± 8.465 χ^2/NDF : 9.7/16

+ sign -0.403 ± 6.550 χ^2/NDF : 40.1/33

All: -0.998 ± 4.657 χ^2/NDF : 67.6/69

- sign -1.606 ± 6.623 χ^2/NDF : 27.4/35

diff_bpmEX_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 30269.532 $\pm$ 5.814 χ^2 /NDF:1007064.2/17

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

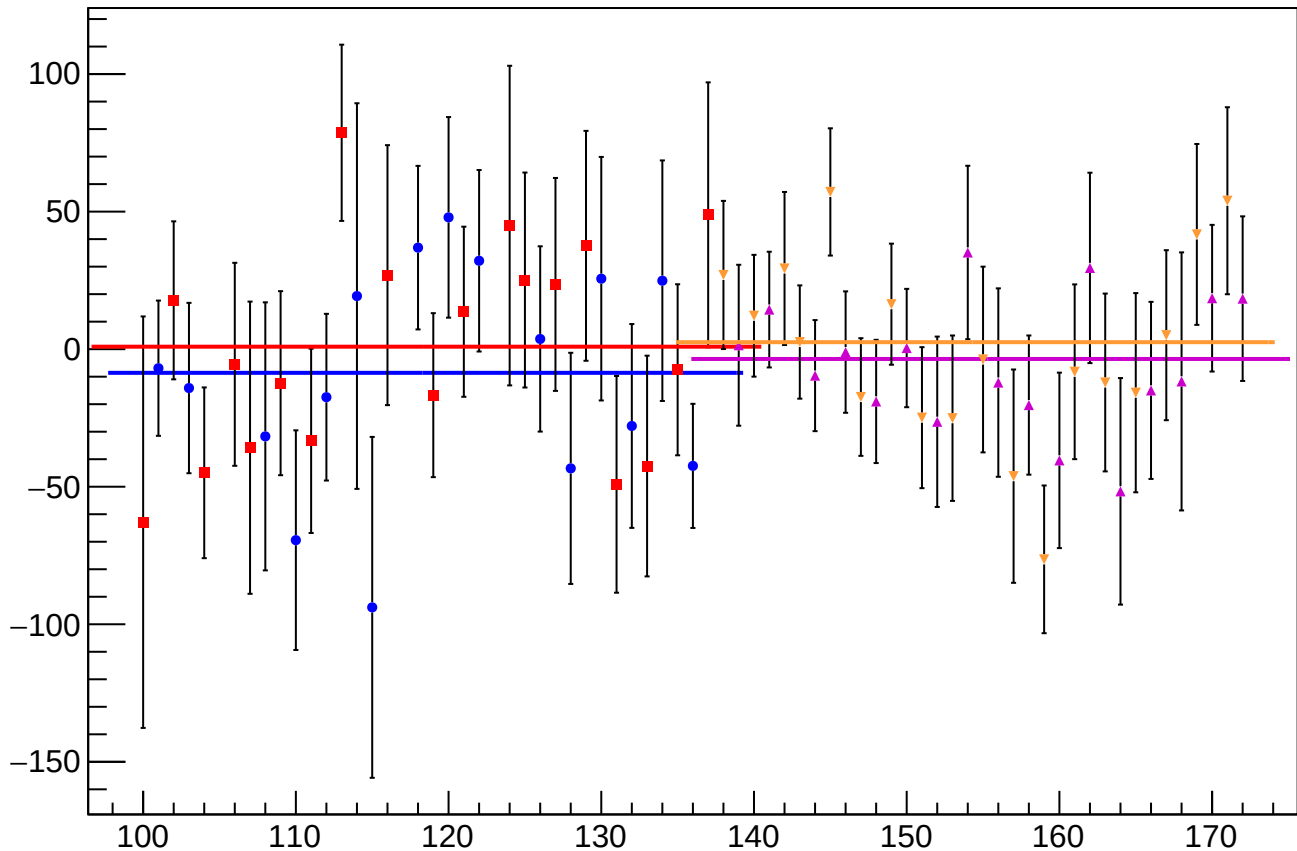
Left In: 30976.683 $\pm$ 5.985 χ^2 /NDF:1135292.0/16

+ sign 29717.674 $\pm$ 4.632 χ^2 /NDF: 1309364.8/33

All: 29949.237 $\pm$ 3.293 χ^2 /NDF: 2600980.0/6

- sign 30186.009 $\pm$ 4.683 χ^2 /NDF: 1286559.7/35

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

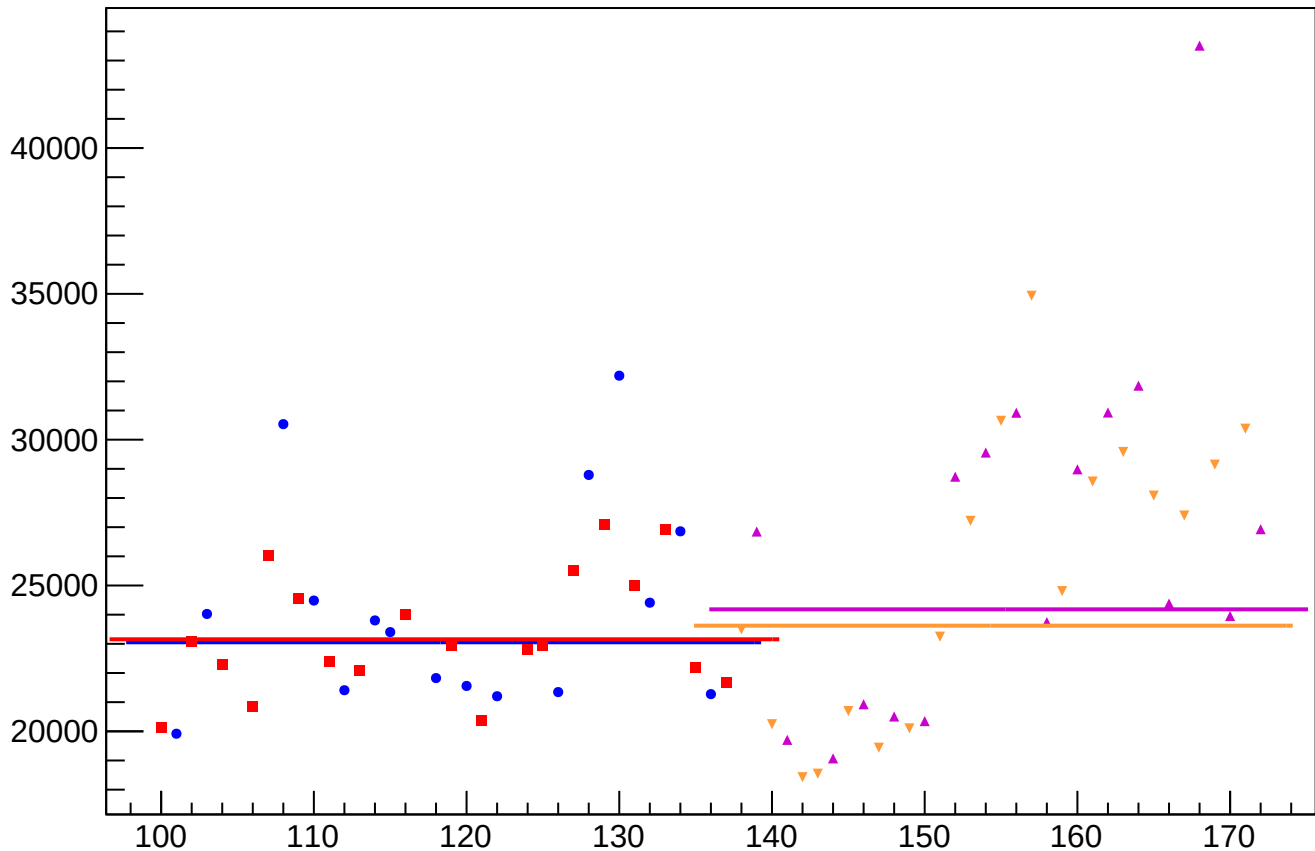
Left In: -3.561 ± 6.607 χ^2/NDF : 8.9/16

+ sign -1.396 ± 5.159 χ^2/NDF : 41.9/33

All: -1.636 ± 3.668 χ^2/NDF : 68.6/69

- sign -1.881 ± 5.218 χ^2/NDF : 26.7/35

diff_bpmE_11X12X_rms vs Slug



Right In: 23053.910 $\pm$ 6.137 χ^2 /NDF: 261444.9/15

Left Out: 23622.782 $\pm$ 4.536 χ^2 /NDF: 999456.2/17

Right Out: 23155.251 $\pm$ 6.015 χ^2 /NDF: 93894.1/18

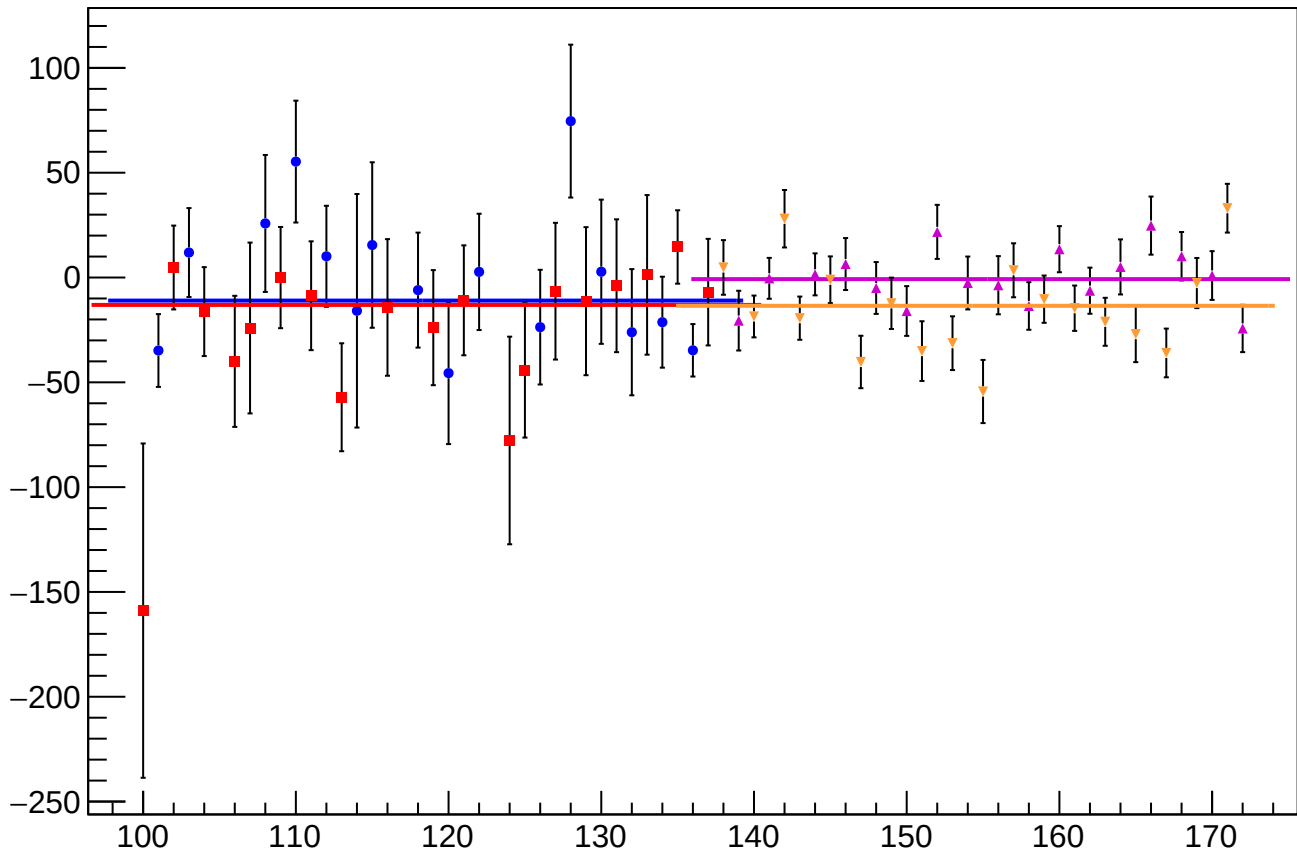
Left In: 24182.555 $\pm$ 4.672 χ^2 /NDF: 1123222.9/16

+ sign 23421.768 $\pm$ 3.648 χ^2 /NDF: 1266458.1/33

All: 23606.754 $\pm$ 2.594 χ^2 /NDF: 2506973.5/6

- sign 23795.990 $\pm$ 3.689 χ^2 /NDF: 1235313.0/35

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

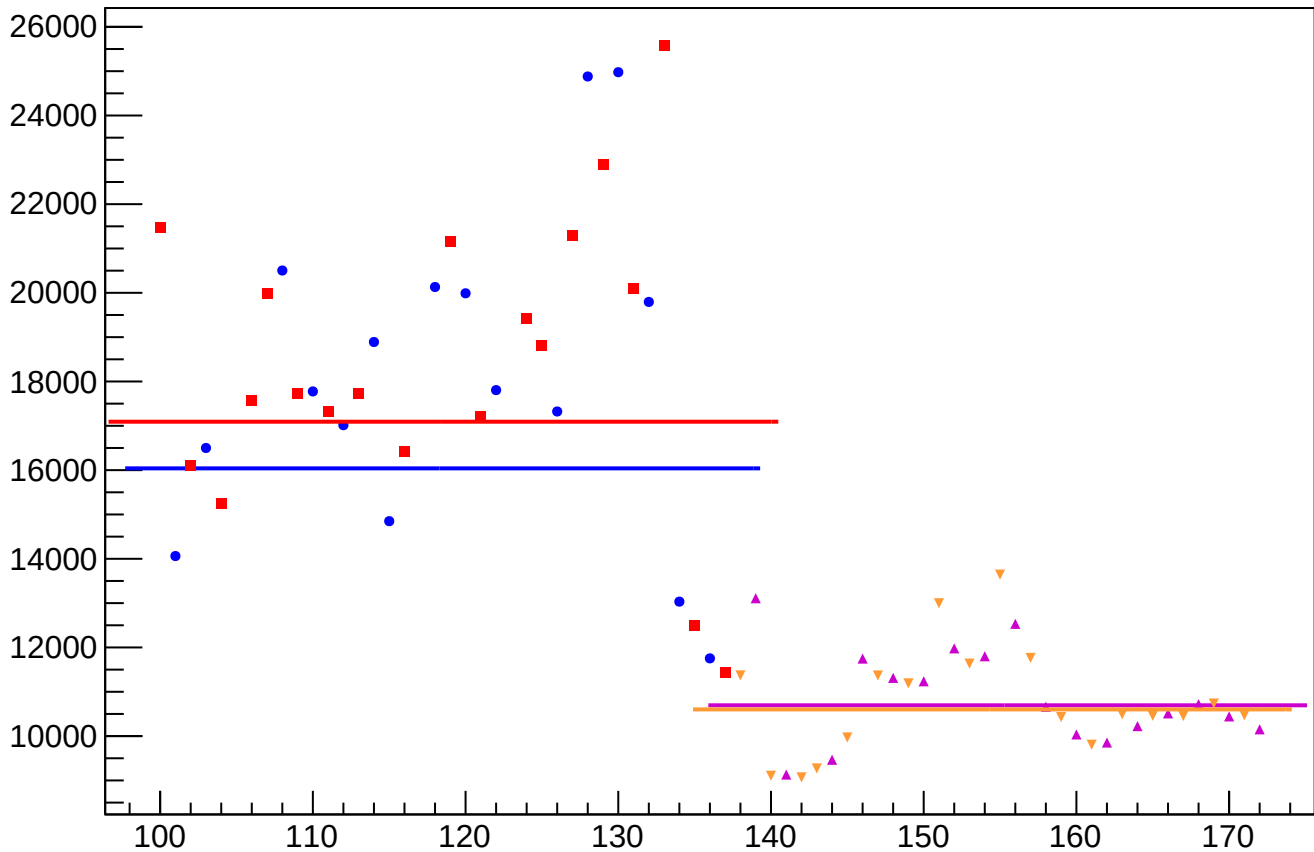
Left In: -0.772 ± 2.874 χ^2/NDF : 19.3/16

+ sign -13.054 ± 2.573 χ^2/NDF : 75.2/33

All: -8.044 ± 1.836 χ^2/NDF : 119.2/69

- sign -2.845 ± 2.621 χ^2/NDF : 36.2/35

diff_bpm4aesumX_rms vs Slug



Right In: 16040.060 $\pm$ 4.352 χ^2 /NDF: 722678.9/15

Left Out: 10602.162 $\pm$ 2.003 χ^2 /NDF: 308774.8/17

Right Out: 17092.658 $\pm$ 4.513 χ^2 /NDF: 535464.0/18

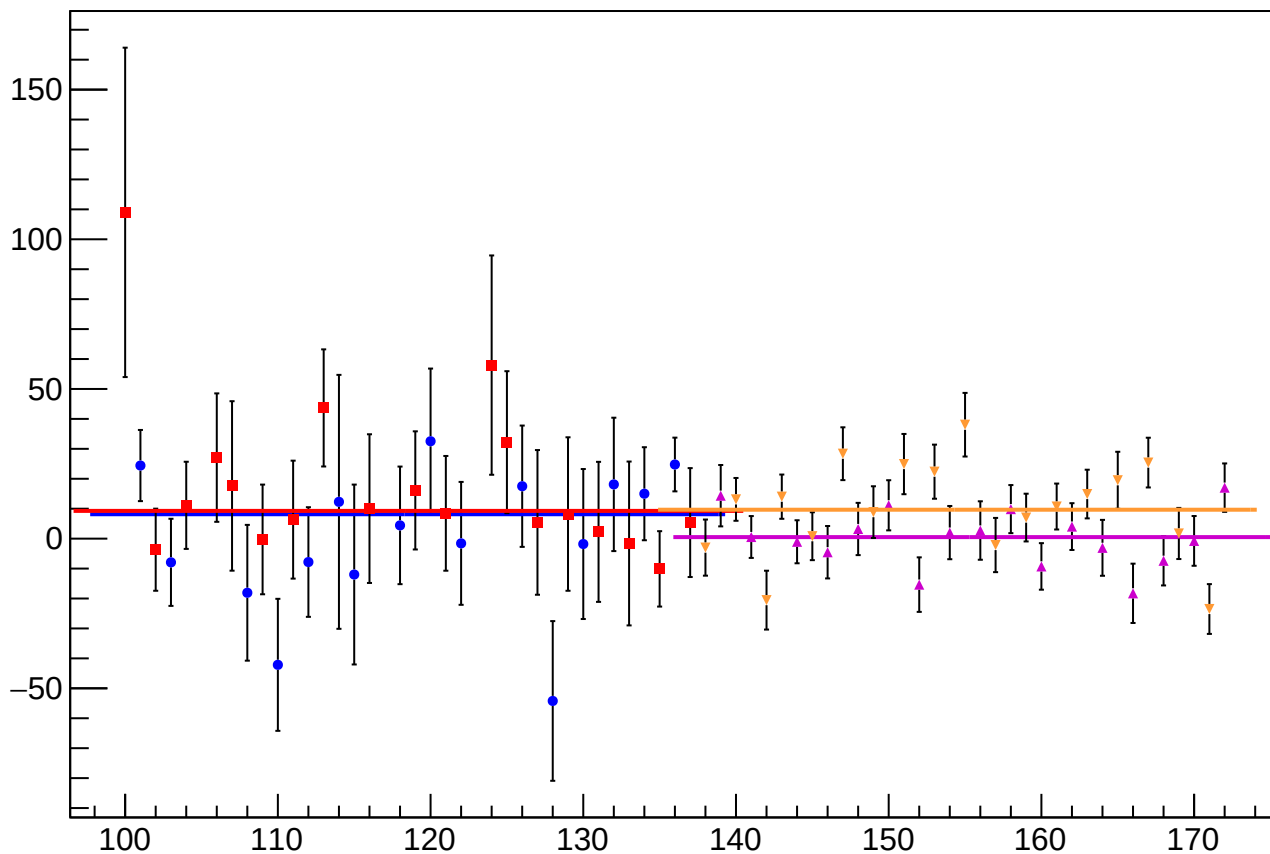
Left In: 10694.983 $\pm$ 2.032 χ^2 /NDF: 260003.7/16

+ sign 11552.310 $\pm$ 1.819 χ^2 /NDF: 2319841.5/33

All: 11660.980 $\pm$ 1.298 χ^2 /NDF: 4793578.7/6

- sign 11773.727 $\pm$ 1.853 χ^2 /NDF: 2466467.0/35

diff_bpm4aediX_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

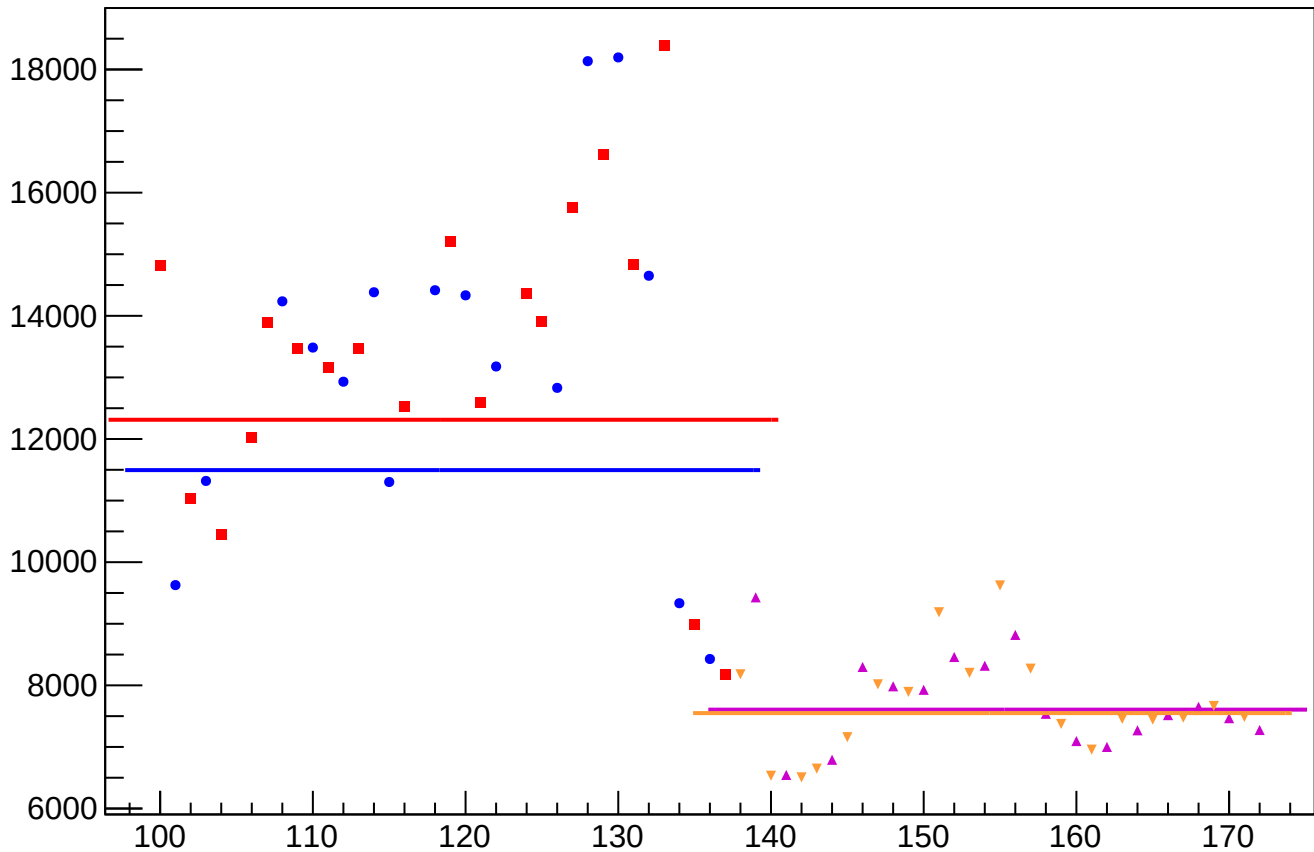
Left In: 0.513 ± 2.043 χ^2/NDF : 19.0/16

+ sign 9.401 ± 1.834 χ^2/NDF : 74.5/33

All: 5.744 ± 1.309 χ^2/NDF : 118.6/69

- sign 1.952 ± 1.868 χ^2/NDF : 35.9/35

diff_bpm4aediffX_rms vs Slug



Right In: 11494.969 ± 3.127 $\chi^2/\text{NDF}: 789990.1/15$

Left Out: 7549.427 ± 1.425 $\chi^2/\text{NDF}: 281610.0/17$

Right Out: 12312.550 ± 3.258 $\chi^2/\text{NDF}: 598755.3/18$

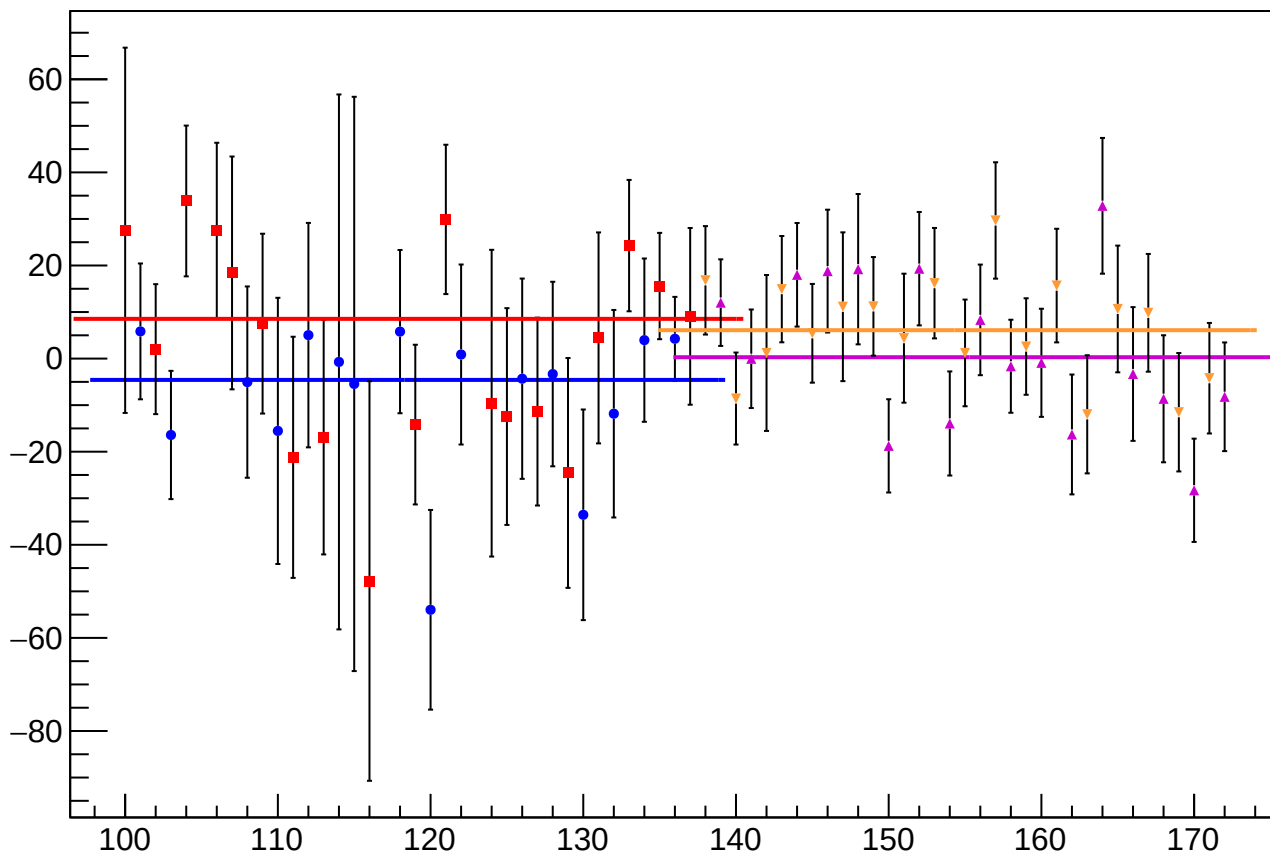
Left In: 7605.756 ± 1.445 $\chi^2/\text{NDF}: 242985.1/16$

+ sign 8227.914 ± 1.297 $\chi^2/\text{NDF}: 2389531.5/33$

All: 8302.268 ± 0.925 $\chi^2/\text{NDF}: 4982288.7/69$

- sign 8379.385 ± 1.321 $\chi^2/\text{NDF}: 2586061.0/35$

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

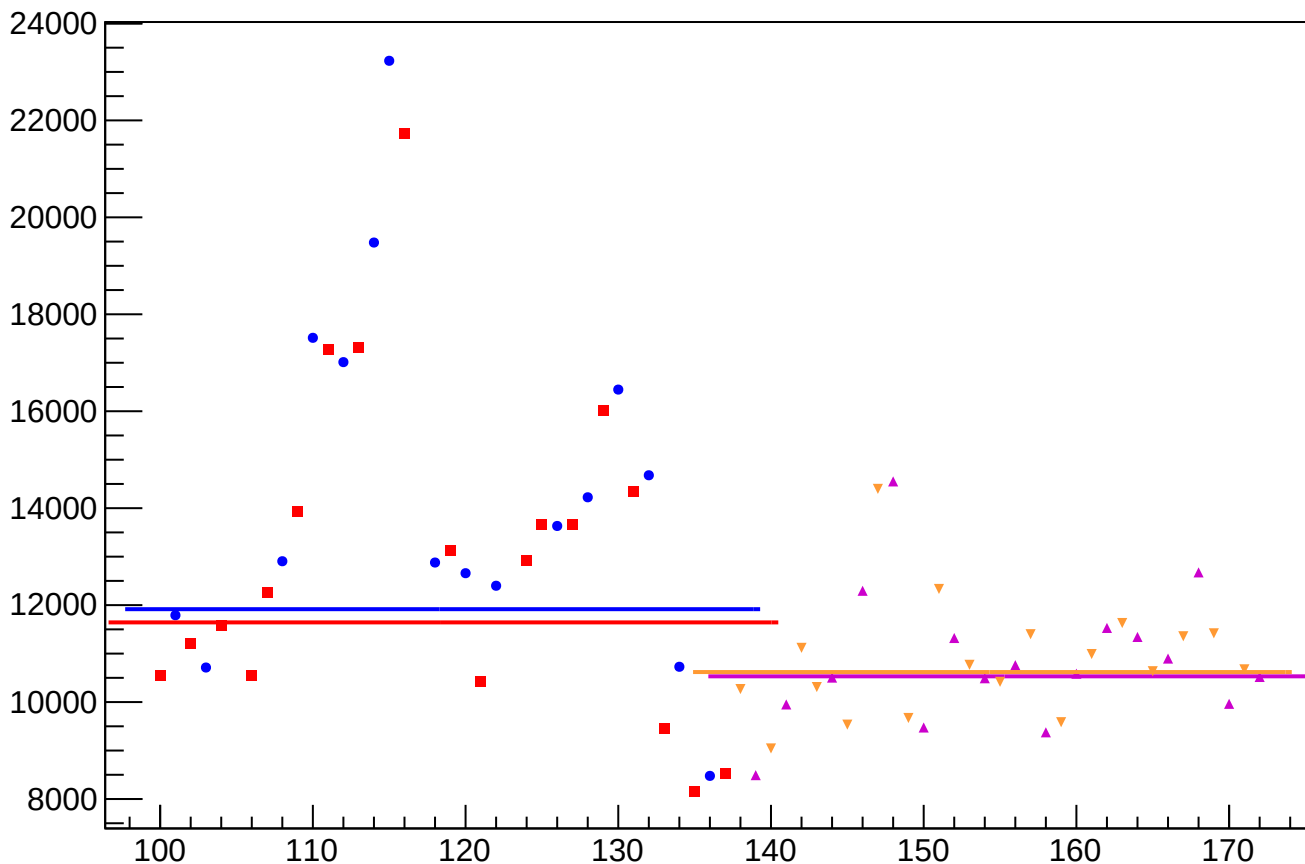
Left In: 0.296 ± 2.842 χ^2/NDF : 29.9/16

+ sign 3.112 ± 2.409 χ^2/NDF : 28.4/33

All: 2.918 ± 1.695 χ^2/NDF : 78.0/69

- sign 2.728 ± 2.386 χ^2/NDF : 49.6/35

diff_bpm4aesumY_rms vs Slug



Right In: 11916.355+/-3.220 χ^2/NDF : 749775.2/15

Left Out: 10619.482+/-2.008 χ^2/NDF : 293274.6/17

Right Out: 11643.622+/-3.106 χ^2/NDF : 790359.6/18

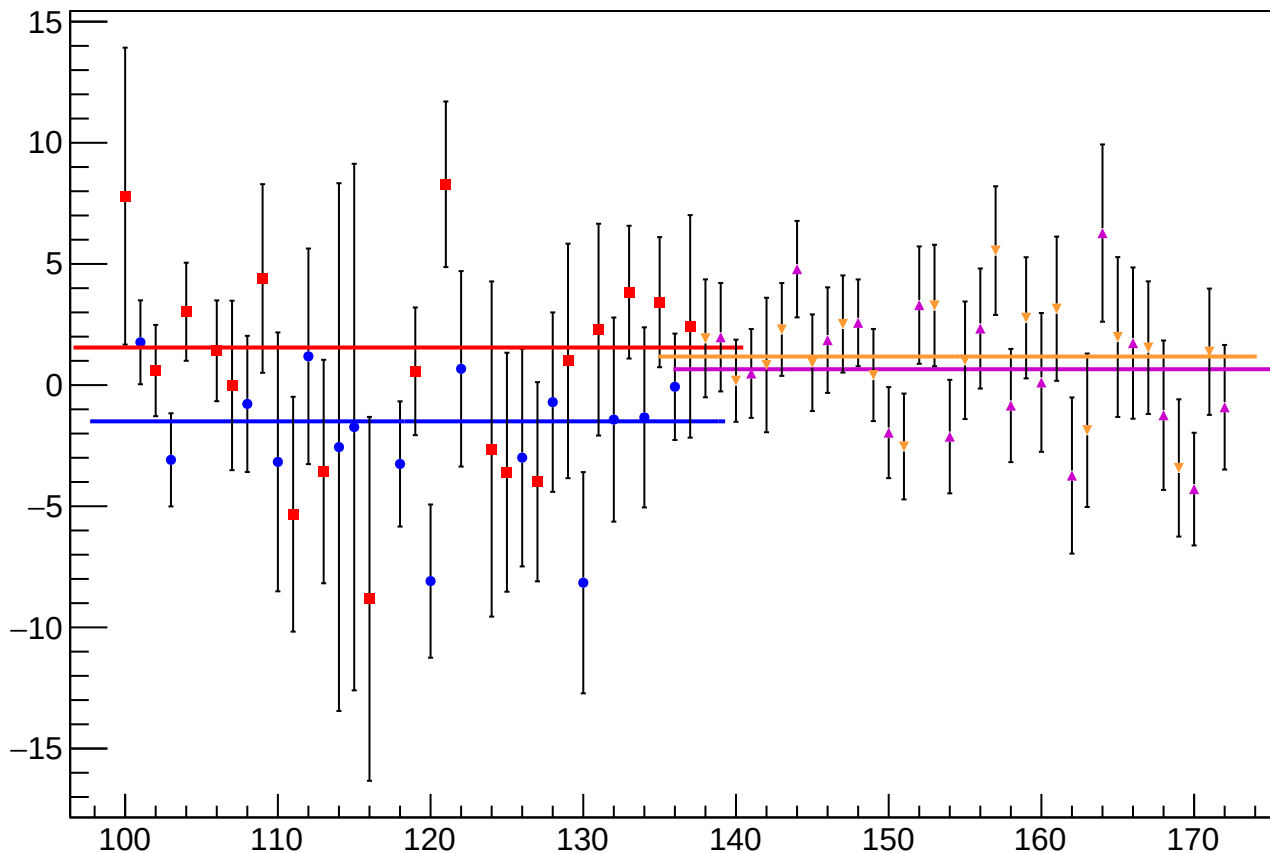
Left In: 10531.148+/-2.010 χ^2/NDF : 394276.4/16

+ sign 10982.465+/-1.704 χ^2/NDF : 1159845.5/33

All: 10920.388+/-1.199 χ^2/NDF : 2437544.2/6

- sign 10859.494+/-1.687 χ^2/NDF : 1275068.5/35

diff_bpm4aediY_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

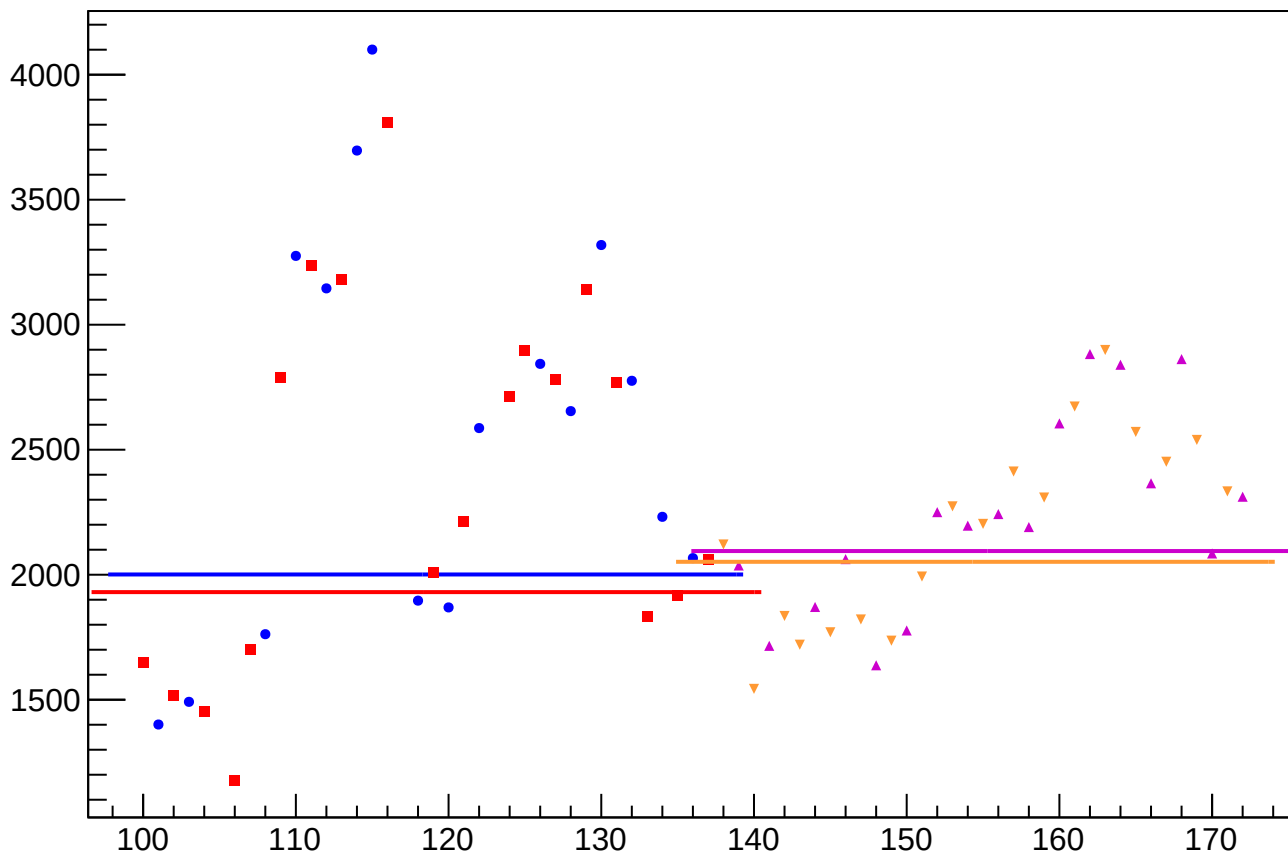
Left In: 0.655 ± 0.569 χ^2/NDF : 21.2/16

+ sign 0.277 ± 0.452 χ^2/NDF : 32.6/33

All: 0.631 ± 0.320 χ^2/NDF : 72.2/69

- sign 0.985 ± 0.452 χ^2/NDF : 38.4/35

diff_bpm4aediY_rms vs Slug



Right In: 2001.000 $\pm$ 0.550 χ^2 /NDF: 1189784.2/15

Left Out: 2051.652 $\pm$ 0.392 χ^2 /NDF: 863252.9/17

Right Out: 1930.434 $\pm$ 0.526 χ^2 /NDF: 1403552.6/18

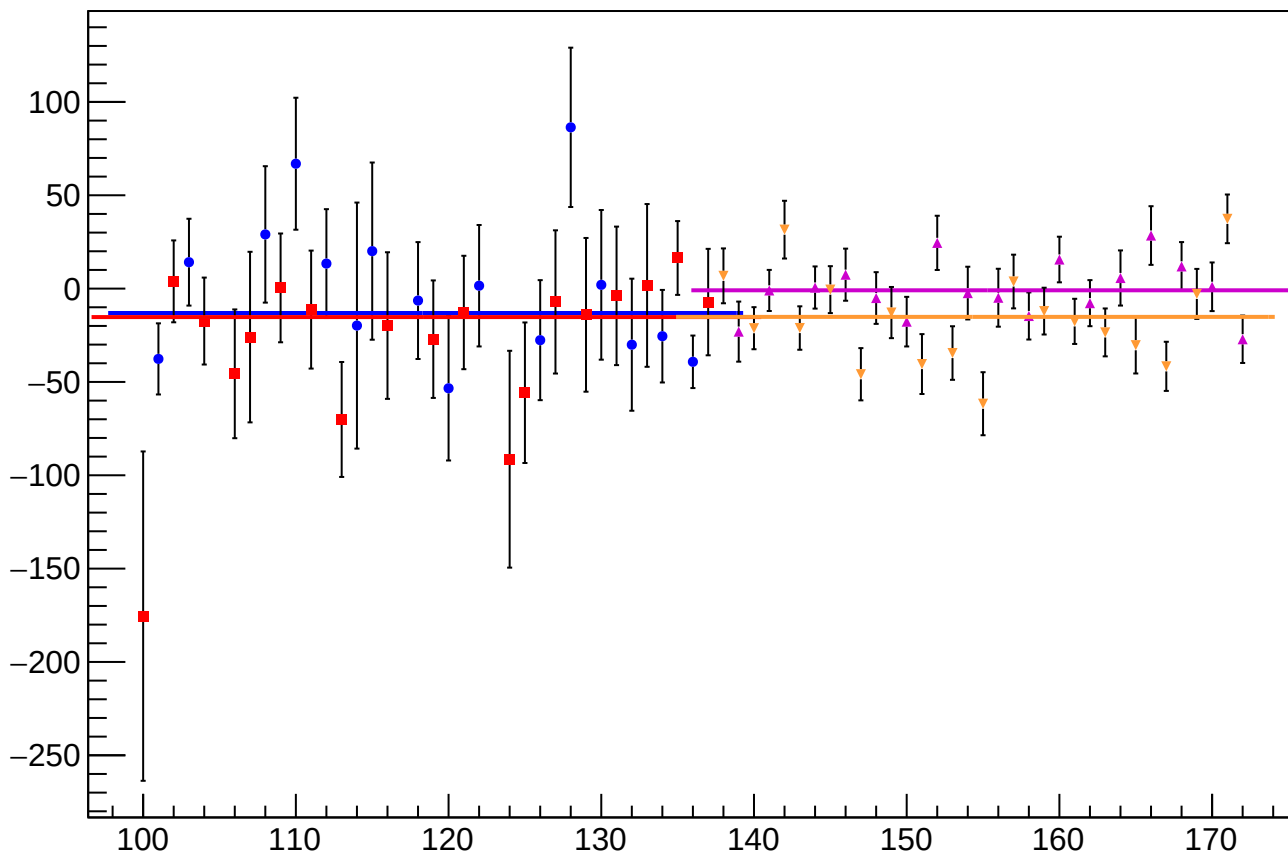
Left In: 2094.693 $\pm$ 0.402 χ^2 /NDF: 741880.4/16

+ sign 2034.576 $\pm$ 0.320 χ^2 /NDF: 2058653.0/33

All: 2034.368 $\pm$ 0.226 χ^2 /NDF: 4265560.6/69

- sign 2034.160 $\pm$ 0.320 χ^2 /NDF: 2206906.8/35

diff_bpmtargetsumX_mean vs Slug



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

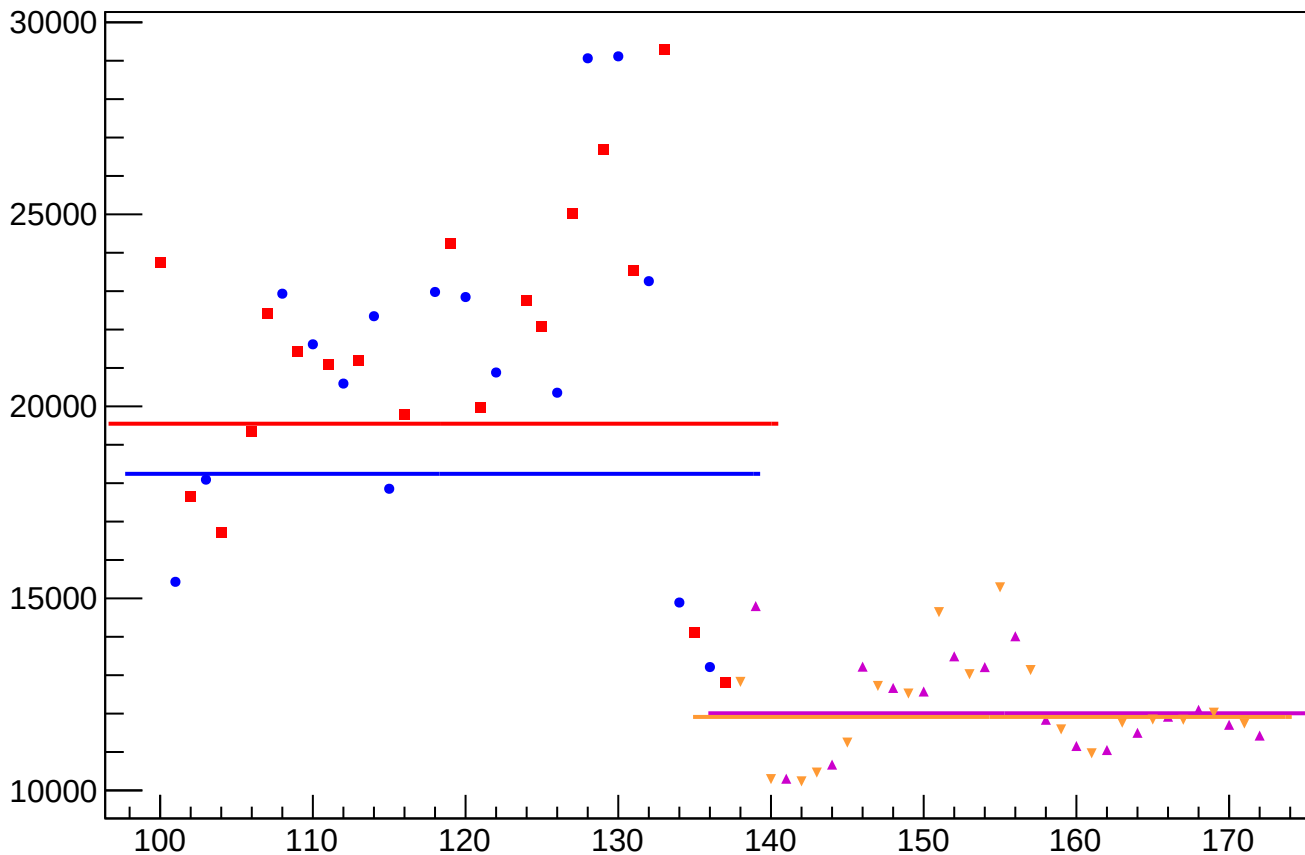
Left In: -0.908 ± 3.227 χ^2/NDF : 19.3/16

+ sign -14.793 ± 2.898 χ^2/NDF : 76.3/33

All: -9.125 ± 2.068 χ^2/NDF : 121.0/69

- sign -3.242 ± 2.953 χ^2/NDF : 36.9/35

diff_bpmtargetsumX_rms vs Slug



Right In: 18243.342 $\pm$ 4.968 χ^2 /NDF: 819828.6/15

Left Out: 11913.402 $\pm$ 2.250 χ^2 /NDF: 298493.4/17

Right Out: 19548.426 $\pm$ 5.176 χ^2 /NDF: 621716.4/18

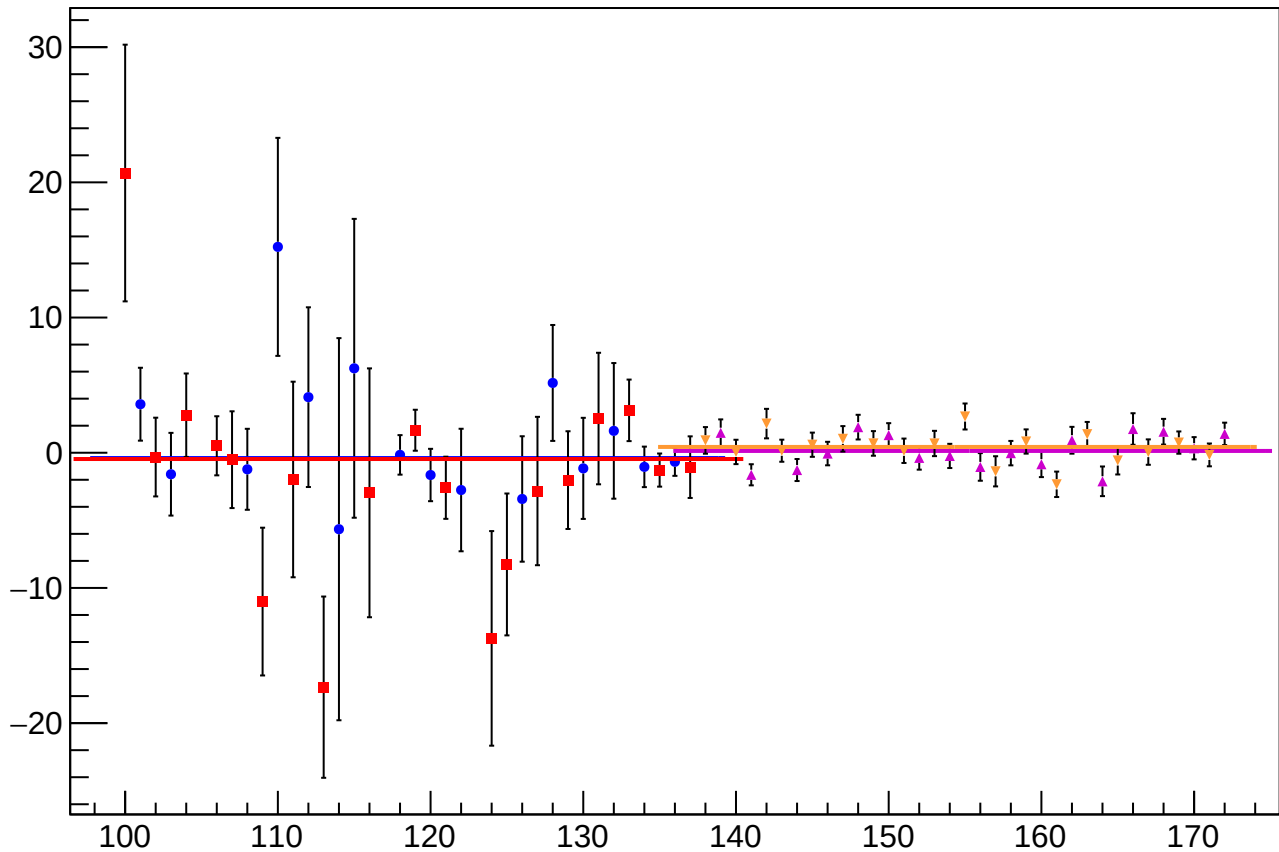
Left In: 12008.302 $\pm$ 2.282 χ^2 /NDF: 258025.6/16

+ sign 12990.474 $\pm$ 2.049 χ^2 /NDF: 2465305.8/33

All: 13110.470 $\pm$ 1.463 χ^2 /NDF: 5128553.9/66

- sign 13235.015 $\pm$ 2.088 χ^2 /NDF: 2656261.9/35

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

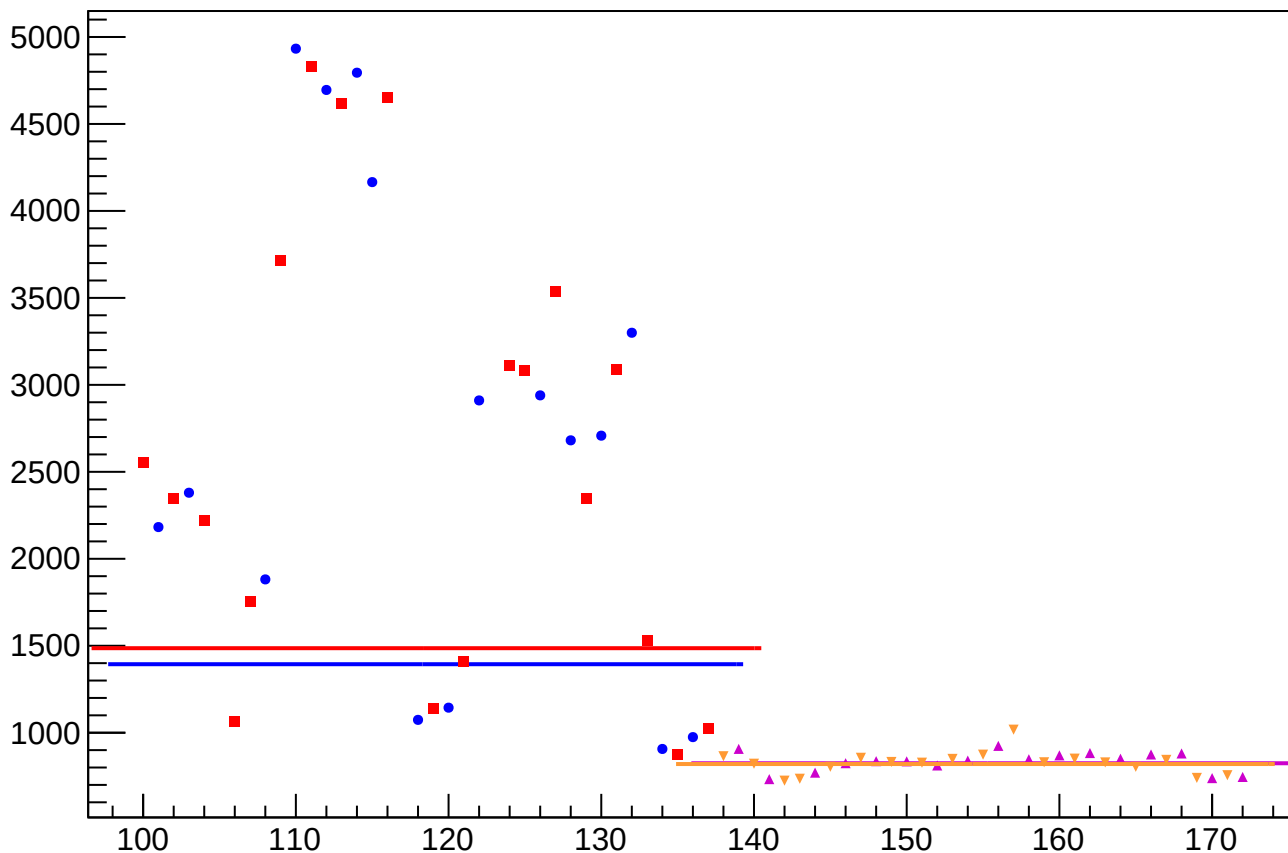
Left In: 0.133 ± 0.221 χ^2/NDF : 29.8/16

+ sign 0.333 ± 0.205 χ^2/NDF : 35.6/33

All: 0.203 ± 0.146 χ^2/NDF : 95.0/69

- sign 0.068 ± 0.209 χ^2/NDF : 58.7/35

diff_bpmtargetdiffX_rms vs Slug



Right In: 1393.912 $\pm$ 0.424 χ^2/NDF : 3381007.0/15

Left Out: 820.000 $\pm$ 0.154 χ^2/NDF : 150776.4/17

Right Out: 1486.000 $\pm$ 0.448 χ^2/NDF : 3398817.4/18

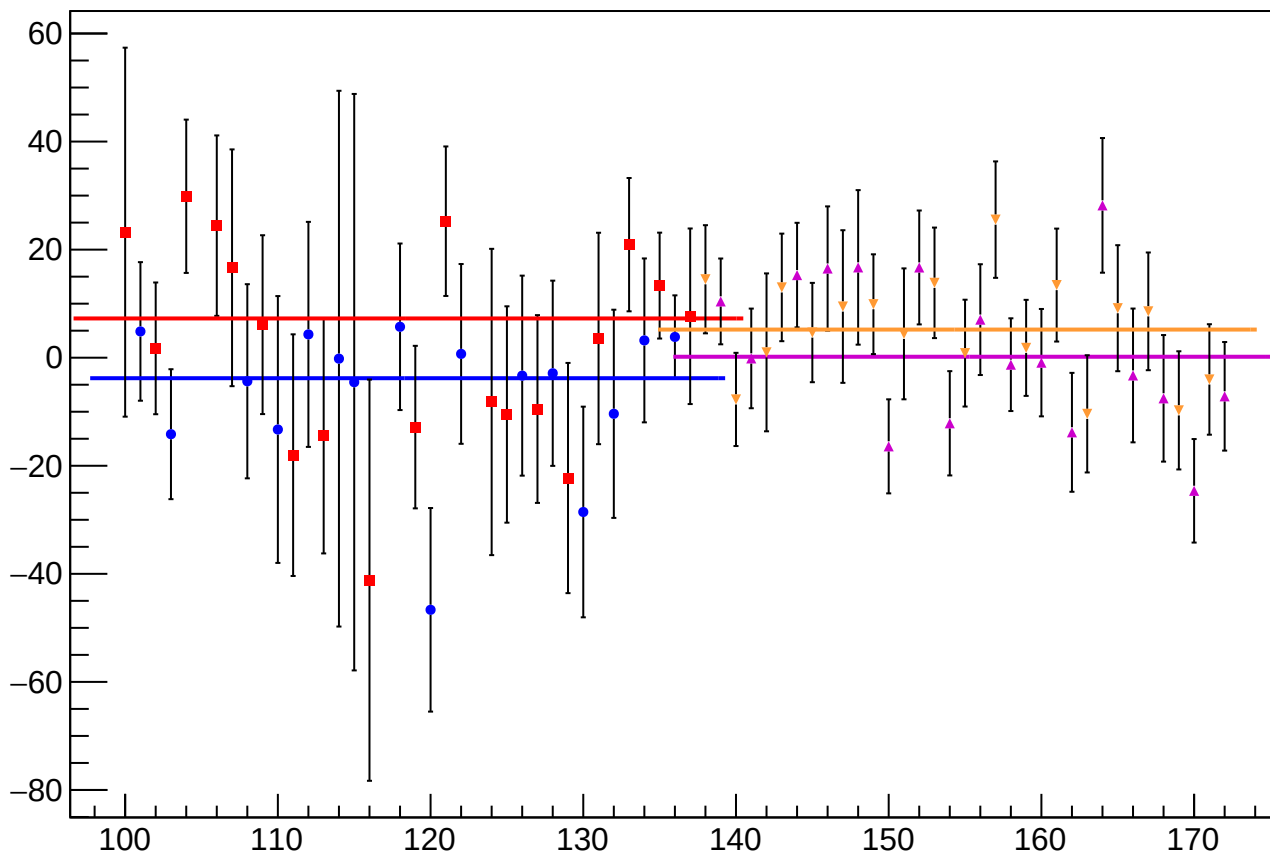
Left In: 824.484 $\pm$ 0.156 χ^2/NDF : 135219.6/16

+ sign 887.083 $\pm$ 0.145 χ^2/NDF : 5147043.0/33

All: 891.587 $\pm$ 0.103 χ^2/NDF : 10624770.7/69

- sign 896.251 $\pm$ 0.148 χ^2/NDF : 5475765.9/35

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

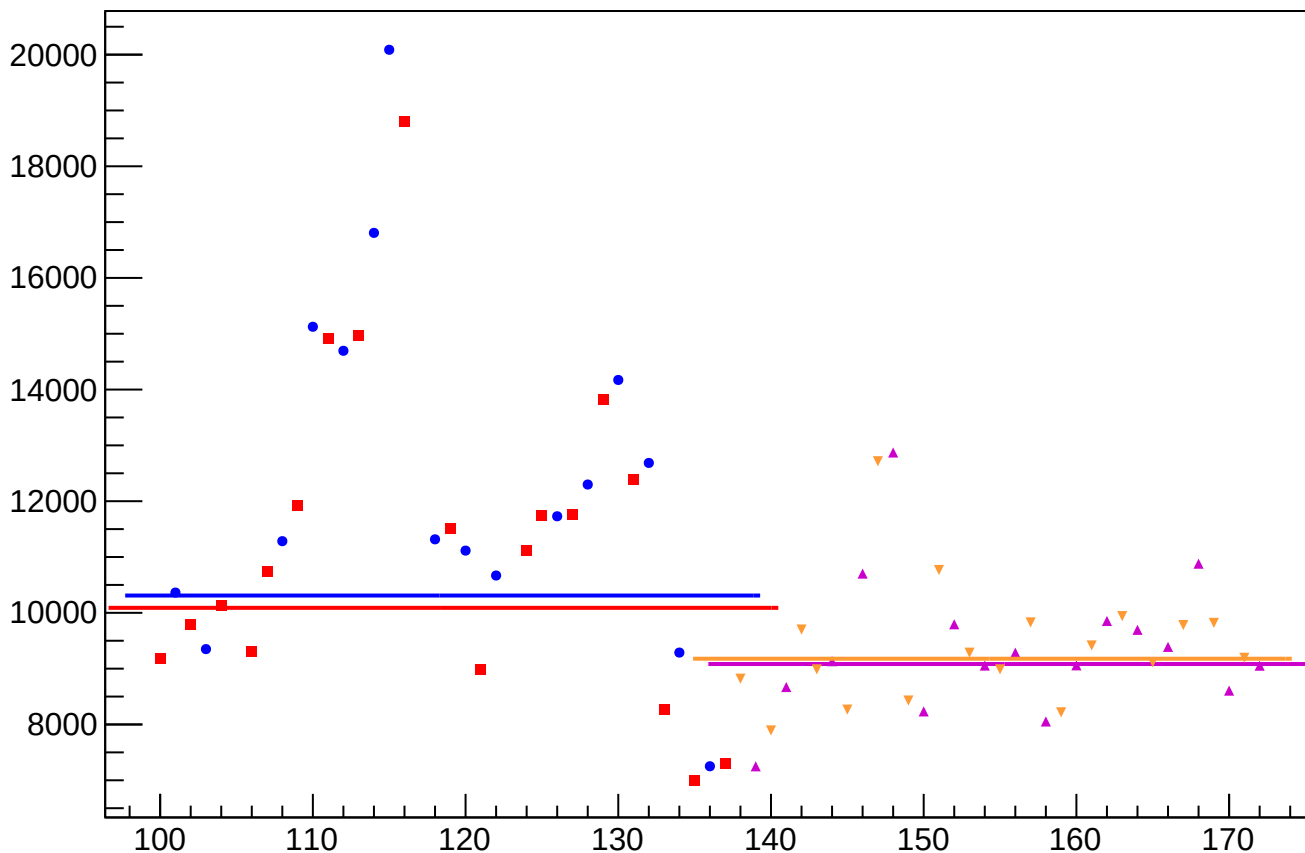
Left In: 0.176 ± 2.453 χ^2/NDF : 30.1/16

+ sign 2.693 ± 2.084 χ^2/NDF : 28.2/33

All: 2.472 ± 1.466 χ^2/NDF : 78.0/69

- sign 2.255 ± 2.062 χ^2/NDF : 49.8/35

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

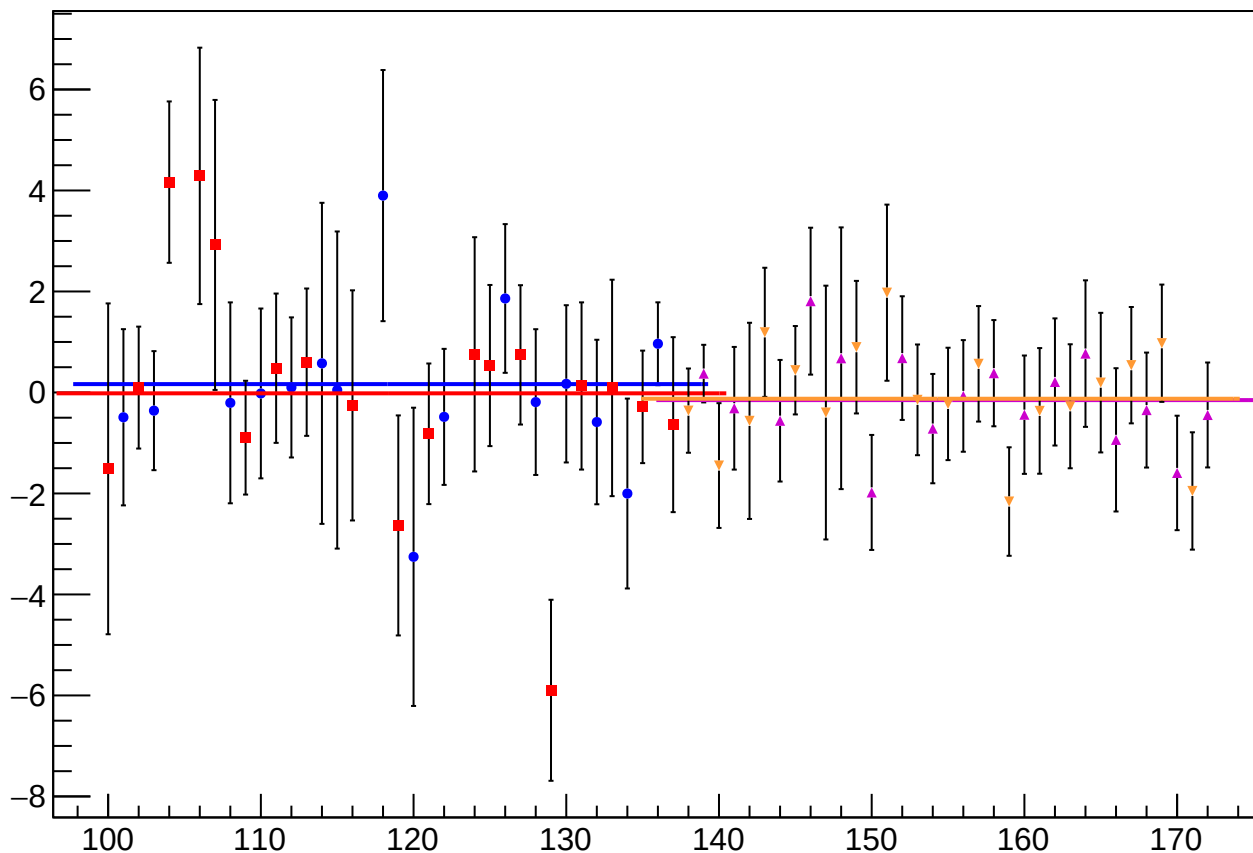
Left In: 9082.911+/-1.734 χ^2/NDF : 416468.2/16

+ sign 9494.021+/-1.473 χ^2/NDF : 1187935.9/33

All: 9435.497+/-1.036 χ^2/NDF : 2499141.9/69

- sign 9378.190+/-1.458 χ^2/NDF : 1308083.1/35

diff_bpmtargetdiffY_mean vs Slug



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

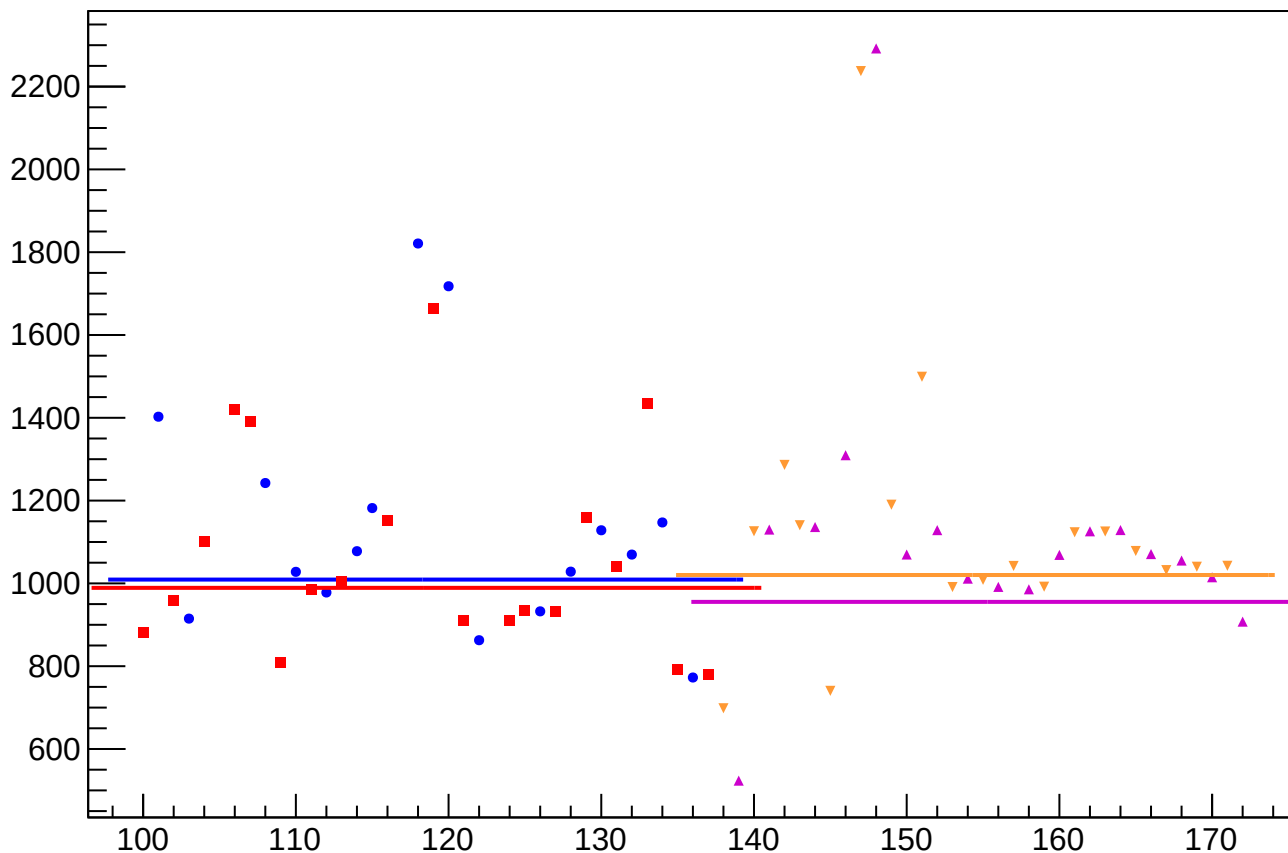
Left In: -0.151 ± 0.268 χ^2/NDF : 9.1/16

+ sign -0.024 ± 0.227 χ^2/NDF : 21.1/33

All: -0.067 ± 0.157 χ^2/NDF : 55.4/69

- sign -0.105 ± 0.218 χ^2/NDF : 34.3/35

diff_bpmtargetdiffY_rms vs Slug



Right In: 1009.222 $\pm$ 0.273 χ^2 /NDF: 699303.9/15

Left Out: 1020.254 $\pm$ 0.199 χ^2 /NDF:1262525.7/17

Right Out: 989.246 $\pm$ 0.263 χ^2 /NDF: 575759.9/18

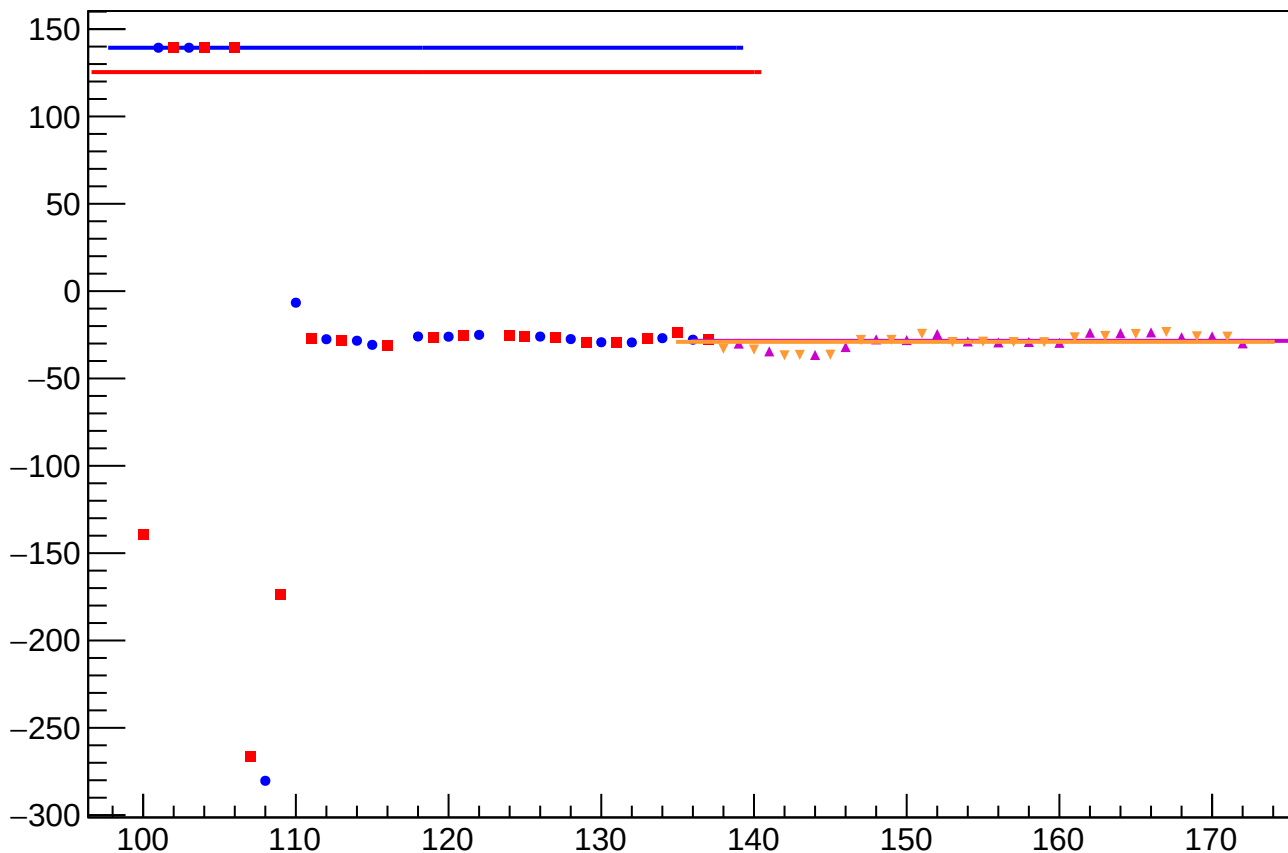
Left In: 955.356 $\pm$ 0.190 χ^2 /NDF:2075510.3/16

+ sign 1016.439 $\pm$ 0.161 χ^2 /NDF: 1962896.8/33

All: 990.642 $\pm$ 0.111 χ^2 /NDF: 4674564.6/69

- sign 966.948 $\pm$ 0.154 χ^2 /NDF: 2662178.6/35

yield_cav4bX_mean vs Slug



Right In: 139.337 $\pm$ 0.000 χ^2 /NDF: 47088045550.1/15

Left Out: -29.029 $\pm$ 0.000 χ^2 /NDF:135728816.9/17

Right Out: 125.392 $\pm$ 0.000 χ^2 /NDF: 774173119844052.5/18

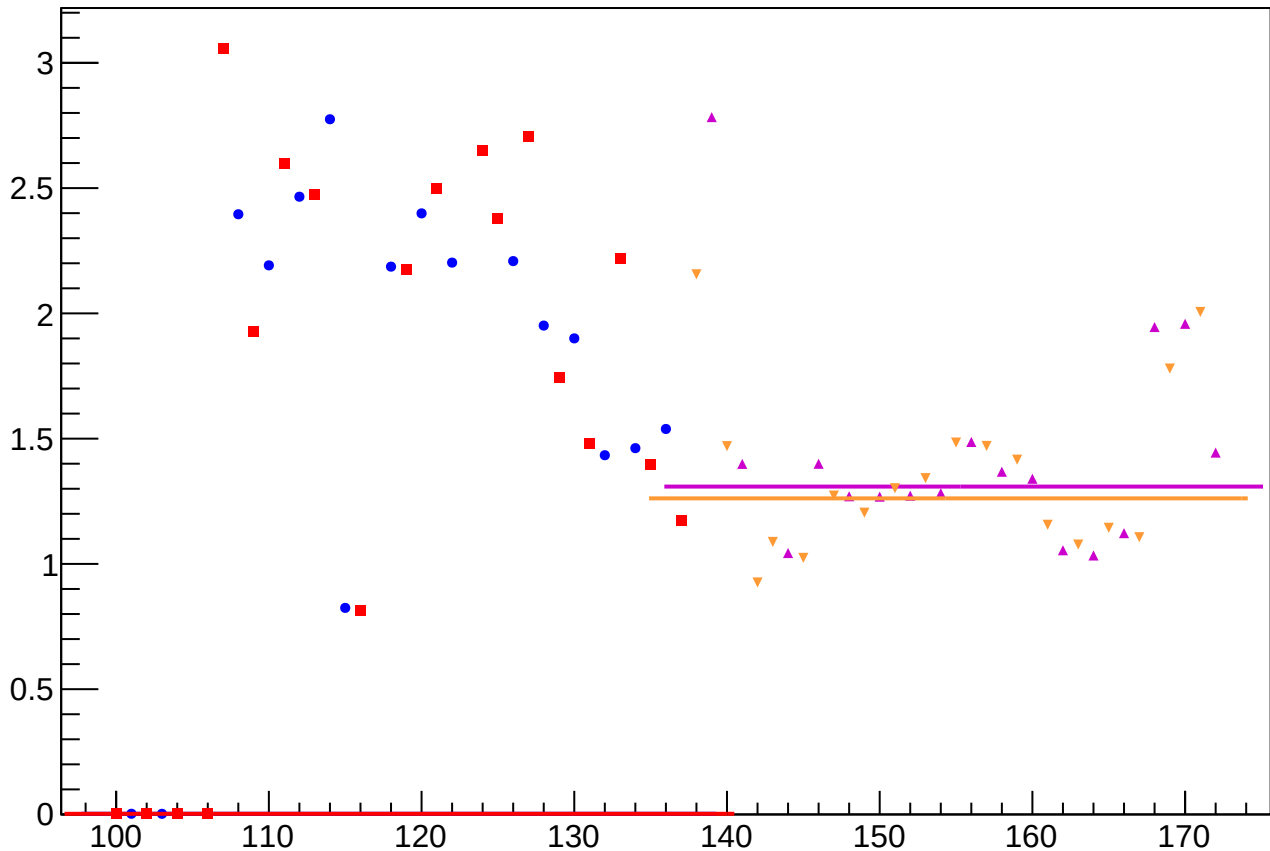
Left In: -28.451 $\pm$ 0.000 χ^2 /NDF:98128787.6/16

+ sign 139.330 $\pm$ 0.000 χ^2 /NDF: 245597541216.4/3

All: 131.813 $\pm$ 0.000 χ^2 /NDF: 793350662015

- sign 125.387 $\pm$ 0.000 χ^2 /NDF: 774324676348518

yield_cav4bX_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 9565657.6/15

Left Out: 1.262 $\pm$ 0.000 χ^2 /NDF:897862.9/17

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 9733783.1/18

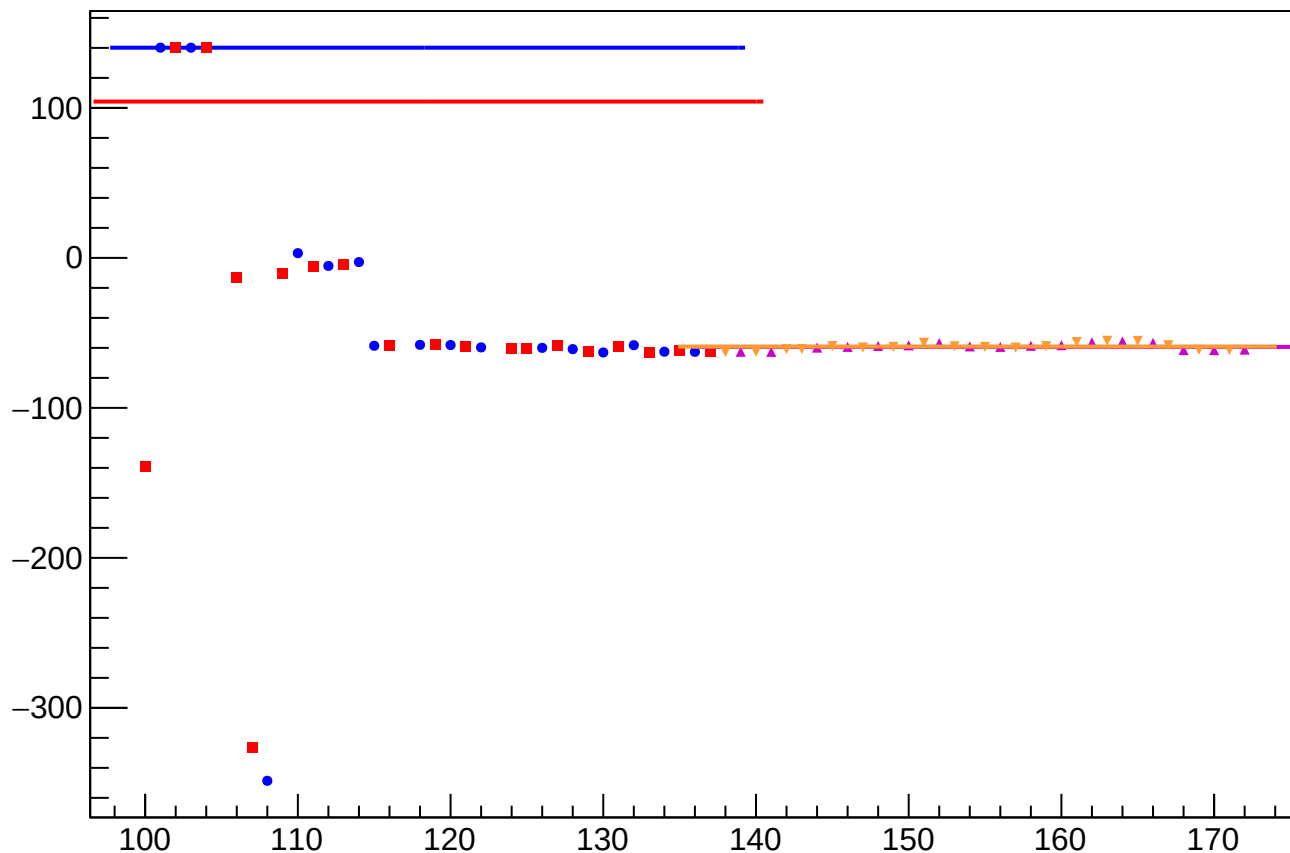
Left In: 1.309 $\pm$ 0.000 χ^2 /NDF:1075374.8/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 32646923.1/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 65288942.7/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 32641708.7/35

yield_cav4bY_mean vs Slug



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

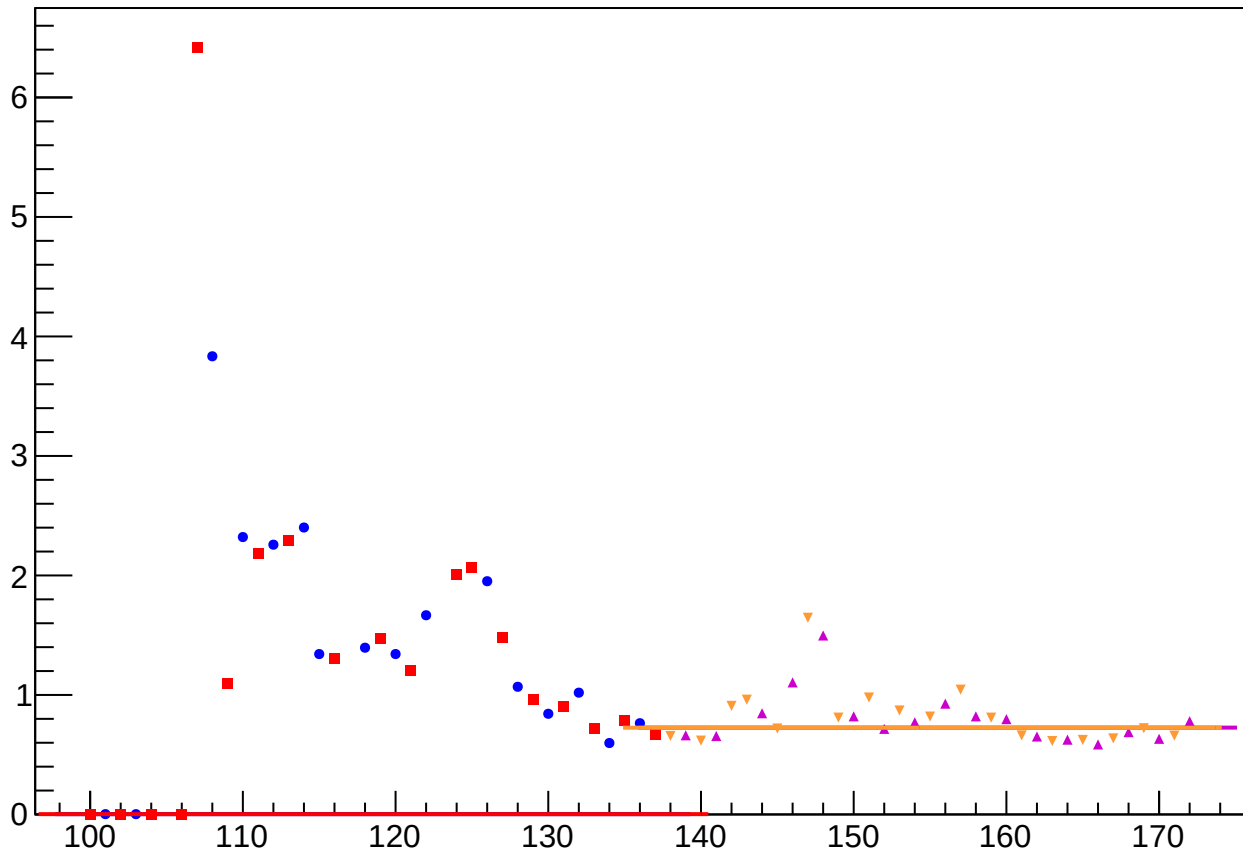
Left In: -59.365+/-0.000 χ^2/NDF : 122930188.1/16

+ sign 140.119+/-0.000 χ^2/NDF : 1045464501084.4

All: 120.811+/-0.000 χ^2/NDF : 138229193904

- sign 104.207+/-0.000 χ^2/NDF : 125797590345836

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

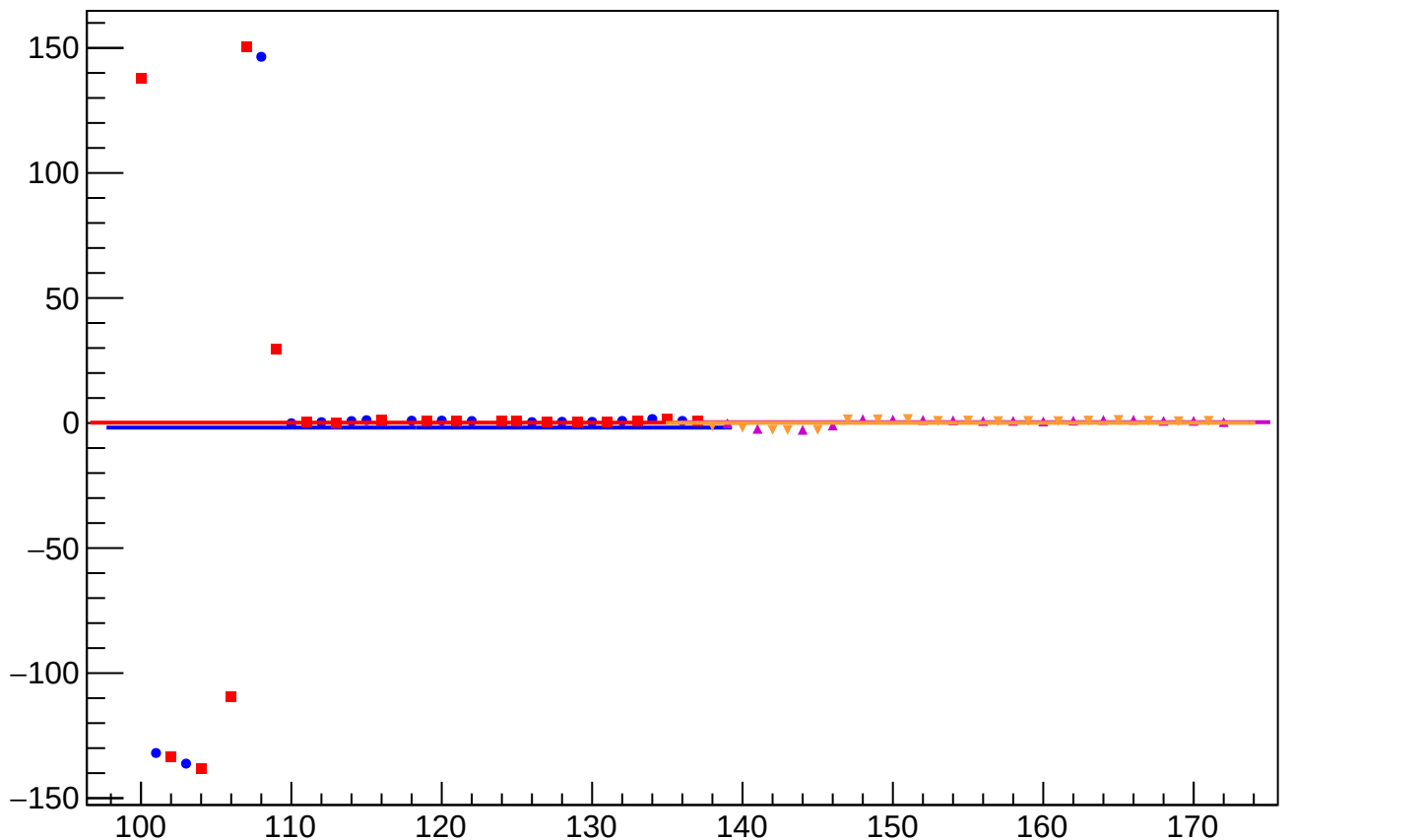
Left In: 0.727+/-0.000 χ^2/NDF :847033.0/16

+ sign 0.003+/-0.000 χ^2/NDF : 34207827.4/33

All: 0.003+/-0.000 χ^2/NDF : 67800530.2/69

- sign 0.003+/-0.000 χ^2/NDF : 33592303.8/35

yield_cav4cX_mean vs Slug



Right In: -1.818 ± 0.000 χ^2/NDF : 9887177310.2/15

Left Out: 0.089 ± 0.000 χ^2/NDF : 100281595.2/17

Right Out: 0.165 ± 0.000 χ^2/NDF : 3611245020.0/18

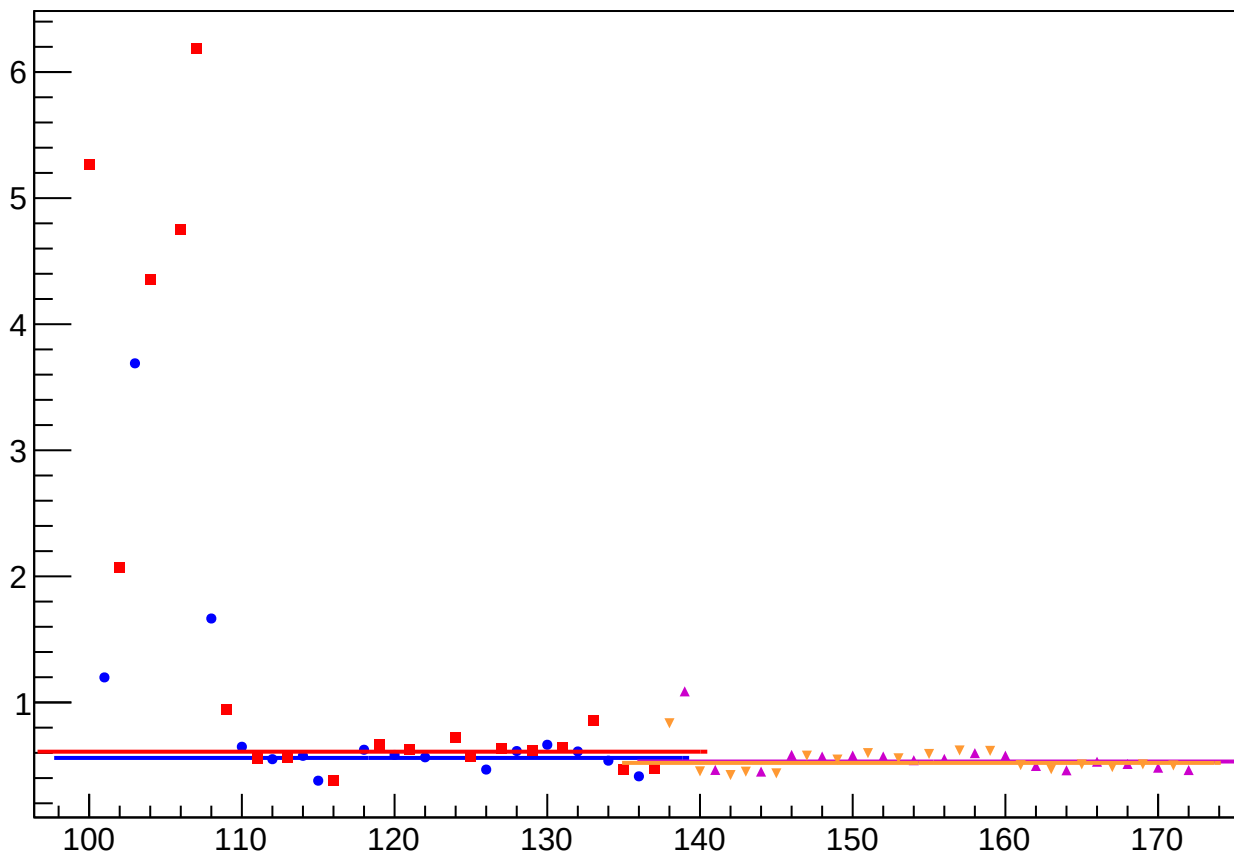
Left In: 0.347 ± 0.000 χ^2/NDF : 70213855.4/16

+ sign -0.441 ± 0.000 χ^2/NDF : 10029791587.1/33

All: -0.087 ± 0.000 χ^2/NDF : 13726855548.9/35

- sign 0.301 ± 0.000 χ^2/NDF : 3681792517.5/35

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

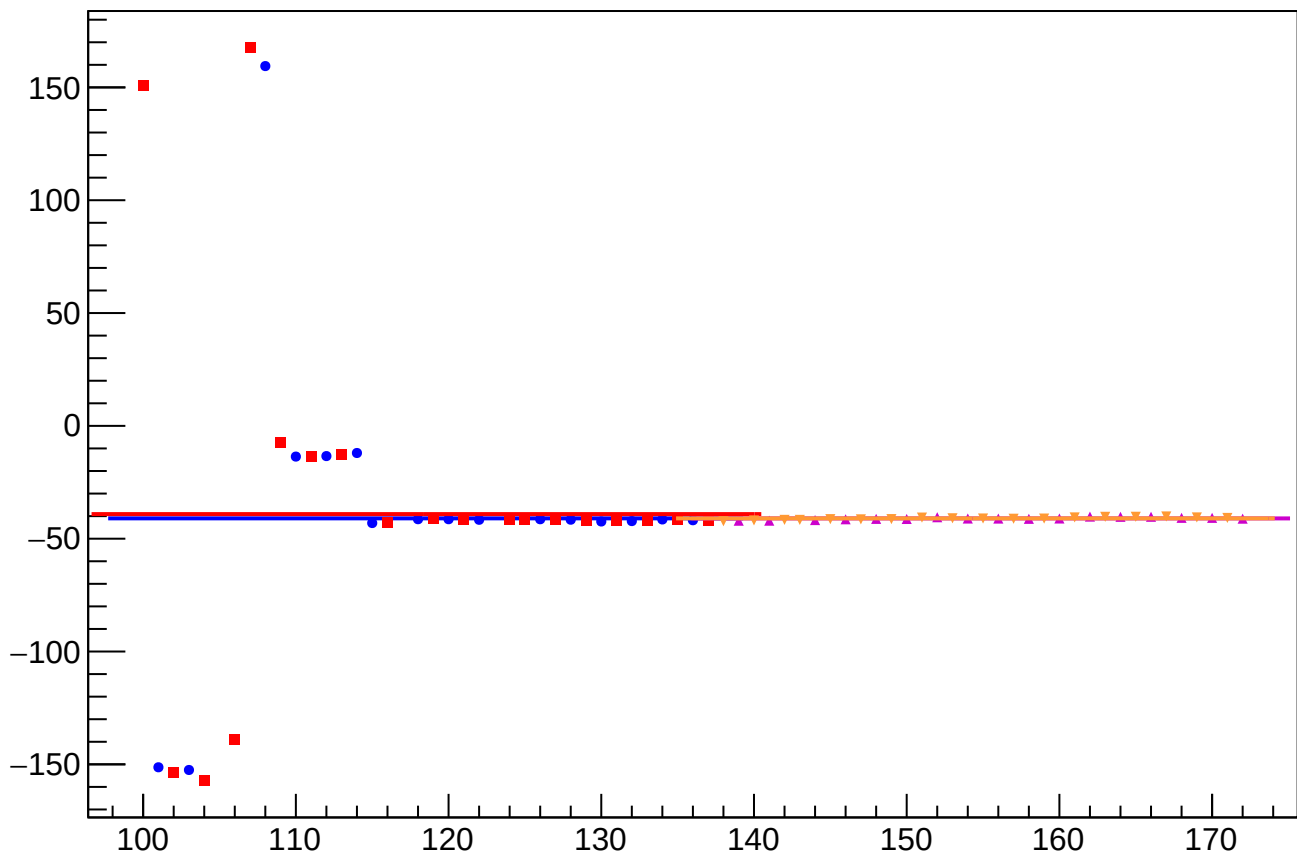
Left In: 0.531 ± 0.000 χ^2/NDF : 642623.2/16

+ sign 0.531 ± 0.000 χ^2/NDF : 2112163.7/33

All: 0.541 ± 0.000 χ^2/NDF : 5373889.7/69

- sign 0.551 ± 0.000 χ^2/NDF : 3240298.7/35

yield_cav4cY_mean vs Slug



Right In: -40.987 ± 0.000 χ^2/NDF : 3449622021.8/15

Left Out: -40.991 ± 0.000 χ^2/NDF : 31141870.1/17

+ sign -40.990 ± 0.000 χ^2/NDF : 3480764163.3/33

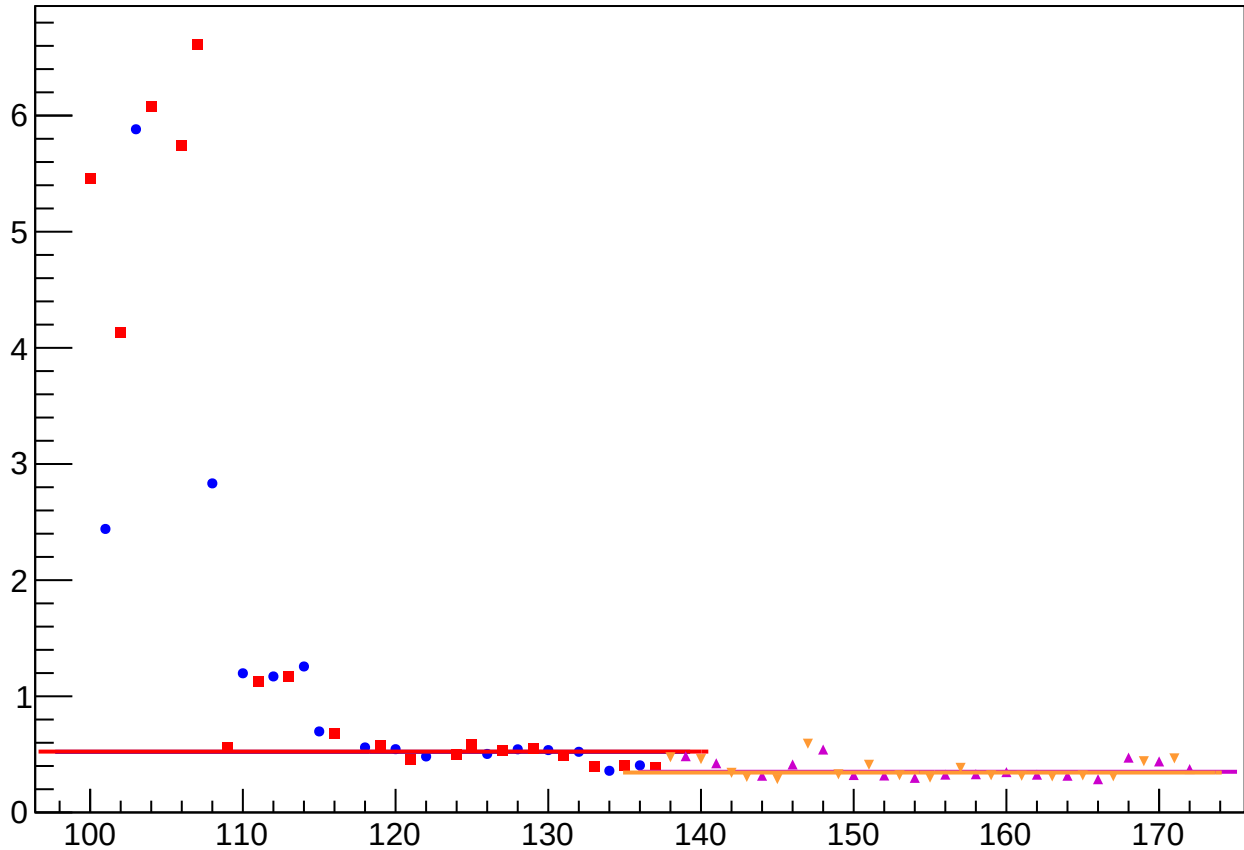
Right Out: -39.101 ± 0.000 χ^2/NDF : 2480133442.0/18

All: -40.865 ± 0.000 χ^2/NDF : 6048626355.7/35

Left In: -41.012 ± 0.000 χ^2/NDF : 27723187.5/16

- sign -40.733 ± 0.000 χ^2/NDF : 2563688539.8/35

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

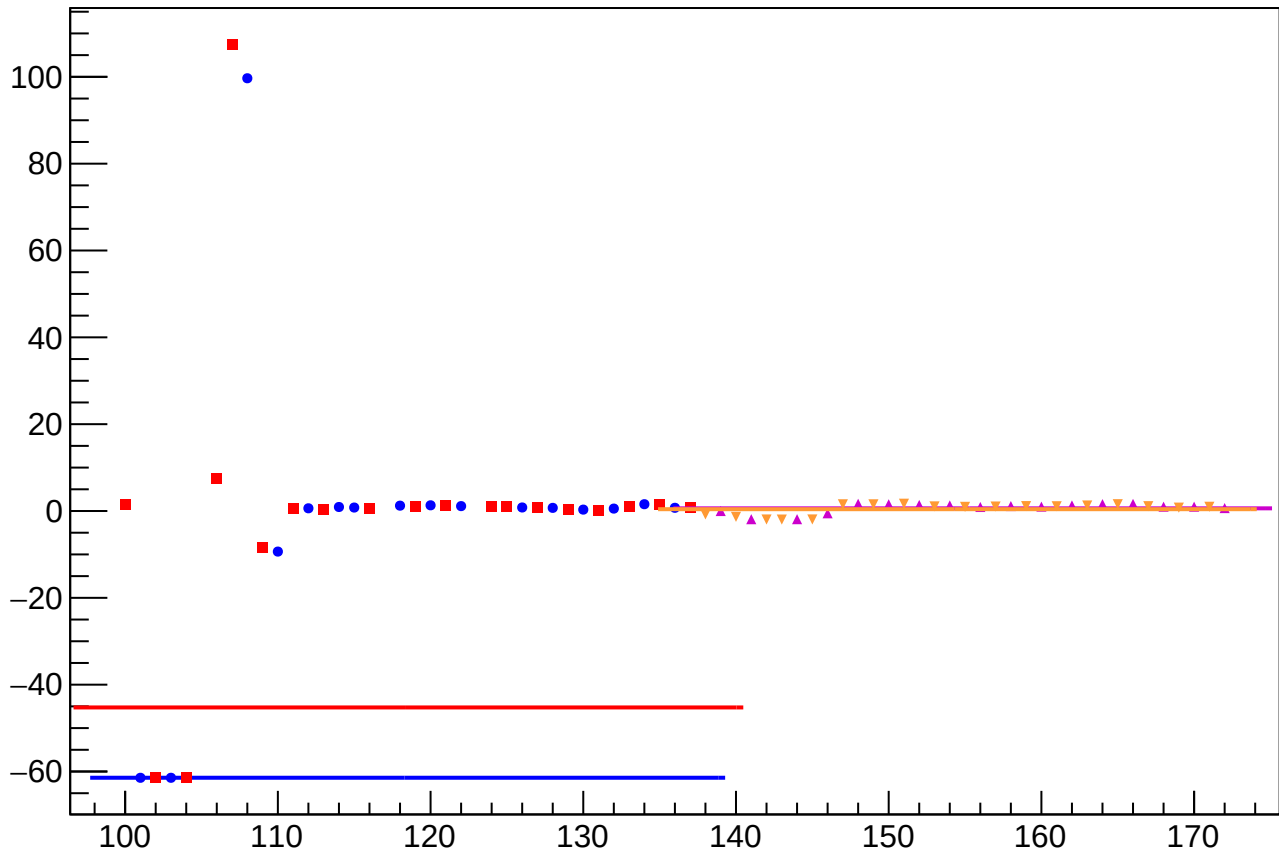
Left In: 0.350+/-0.000 χ^2/NDF :766213.1/16

+ sign 0.369+/-0.000 χ^2/NDF : 4864984.5/33

All: 0.372+/-0.000 χ^2/NDF : 9824628.1/69

- sign 0.376+/-0.000 χ^2/NDF : 4954513.8/35

yield_cav4dX_mean vs Slug



Right In: -61.436 ± 0.000 $\chi^2/\text{NDF}: 273496278670.9/15$

Left Out: 0.418 ± 0.000 $\chi^2/\text{NDF}: 102092732.8/17$

Right Out: -45.245 ± 0.000 $\chi^2/\text{NDF}: 357870328061478.0/18$

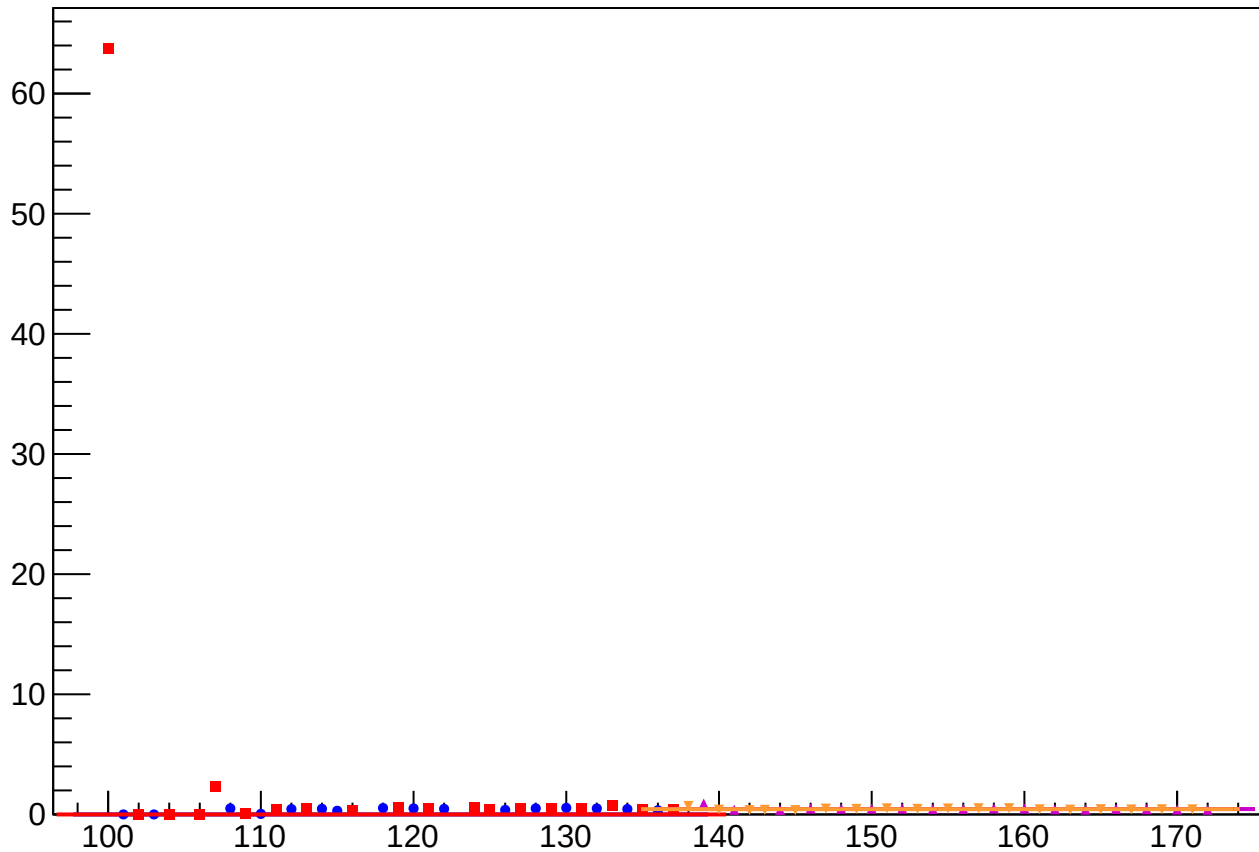
Left In: 0.615 ± 0.000 $\chi^2/\text{NDF}: 77263188.4/16$

+ sign -61.426 ± 0.000 $\chi^2/\text{NDF}: 498199120822.1/3$

All: -52.741 ± 0.000 $\chi^2/\text{NDF}: 409445378598$

- sign -45.239 ± 0.000 $\chi^2/\text{NDF}: 357986603627905.$

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

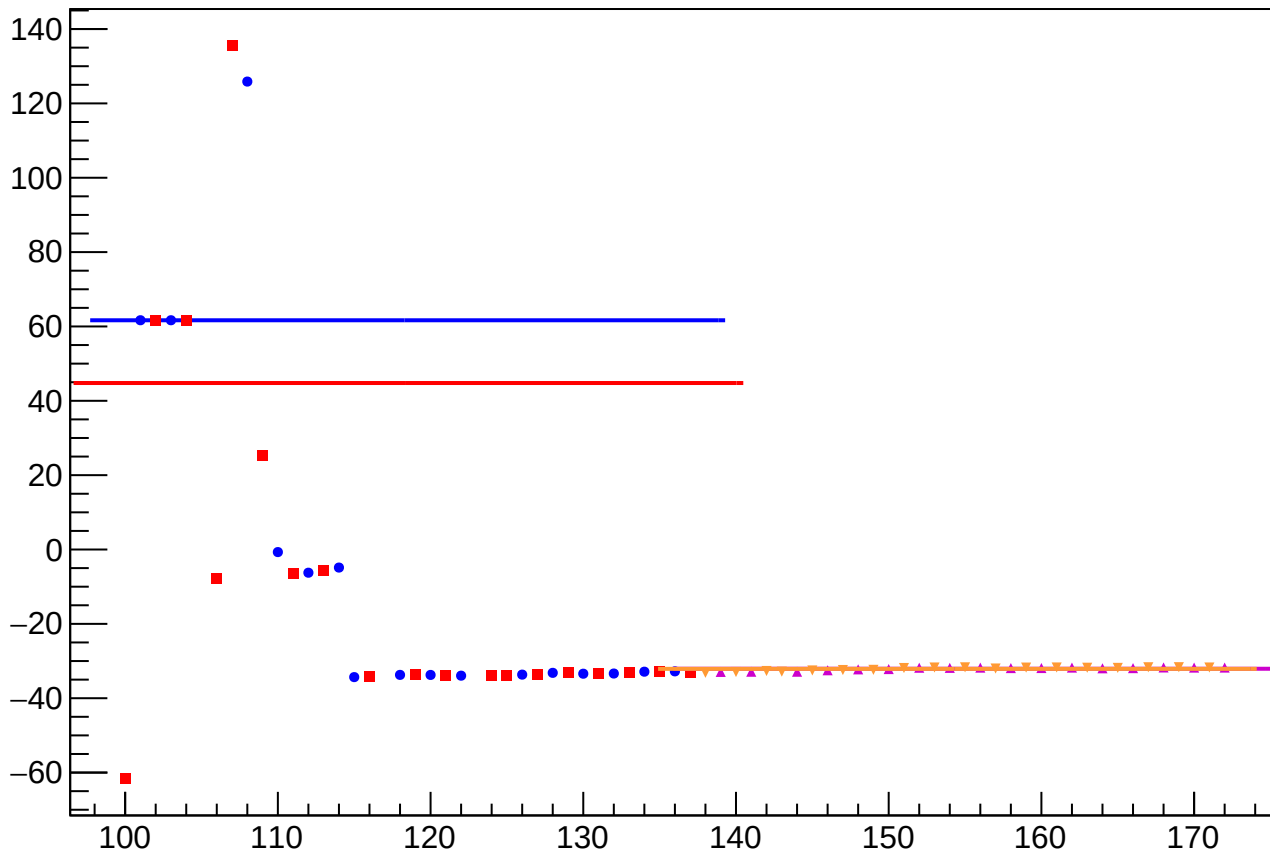
Left In: 0.451+/-0.000 χ^2/NDF : 612773.9/16

+ sign 0.002+/-0.000 χ^2/NDF : 32239382.5/33

All: 0.002+/-0.000 χ^2/NDF : 64506779.5/69

- sign 0.002+/-0.000 χ^2/NDF : 32267317.4/35

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

+ sign 61.618+/-0.000 χ^2/NDF : 1751311290757.3/3

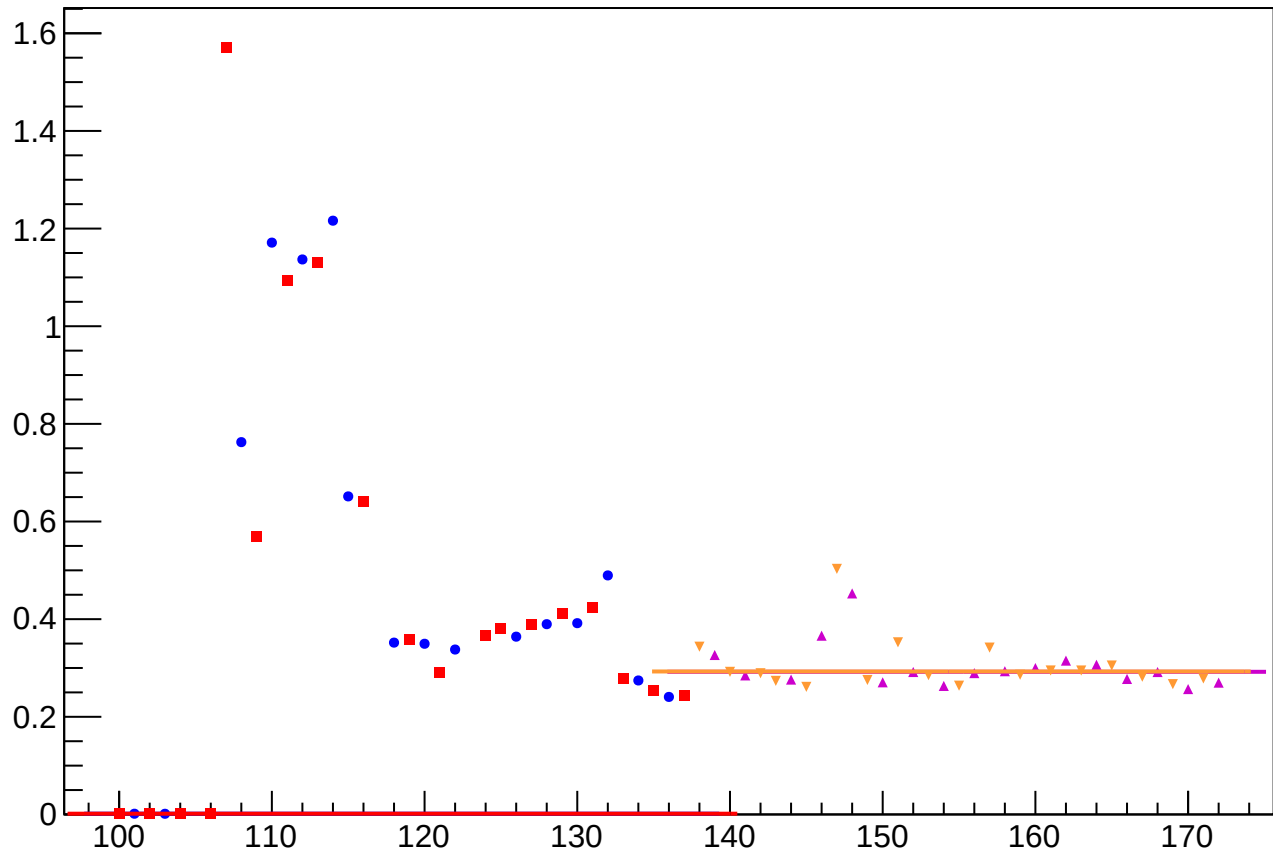
Right Out: 44.786+/-0.000 χ^2/NDF : 366094778229951.8/18

All: 52.652+/-0.000 χ^2/NDF : 4198168808717

- sign 44.754+/-0.000 χ^2/NDF : 367014668052202.6

Left In: -32.075+/-0.000 χ^2/NDF : 28016332.5/16

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

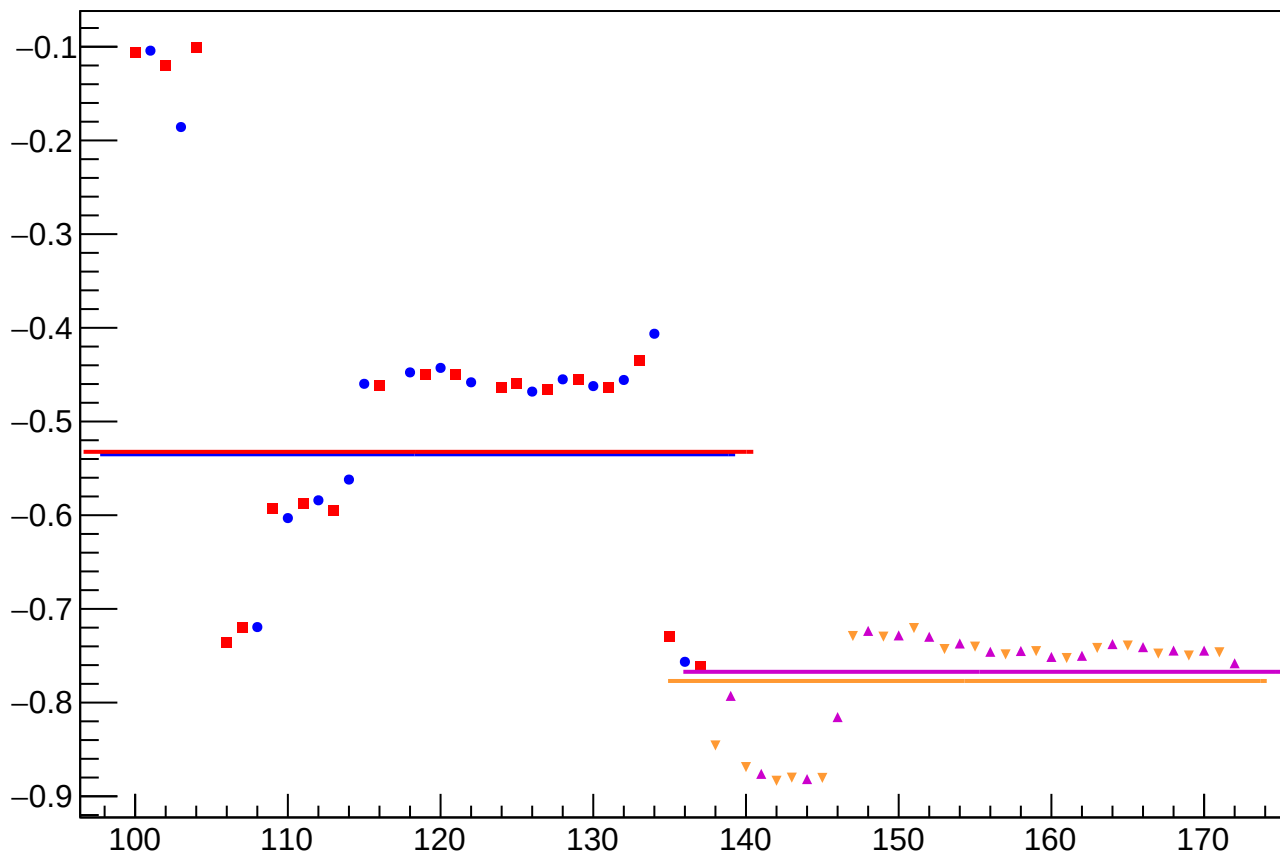
Left In: 0.292+/-0.000 χ^2/NDF : 378747.2/16

+ sign 0.002+/-0.000 χ^2/NDF : 38176836.7/33

All: 0.002+/-0.000 χ^2/NDF : 75418907.3/69

- sign 0.002+/-0.000 χ^2/NDF : 37242070.0/35

yield_bpm4aX_mean vs Slug



Right In: -0.535 $\pm$ 0.000 χ^2 /NDF: 300846309.5/15

Left Out: -0.777 $\pm$ 0.000 χ^2 /NDF: 111280297.4/17

Right Out: -0.532 $\pm$ 0.000 χ^2 /NDF: 214124648.5/18

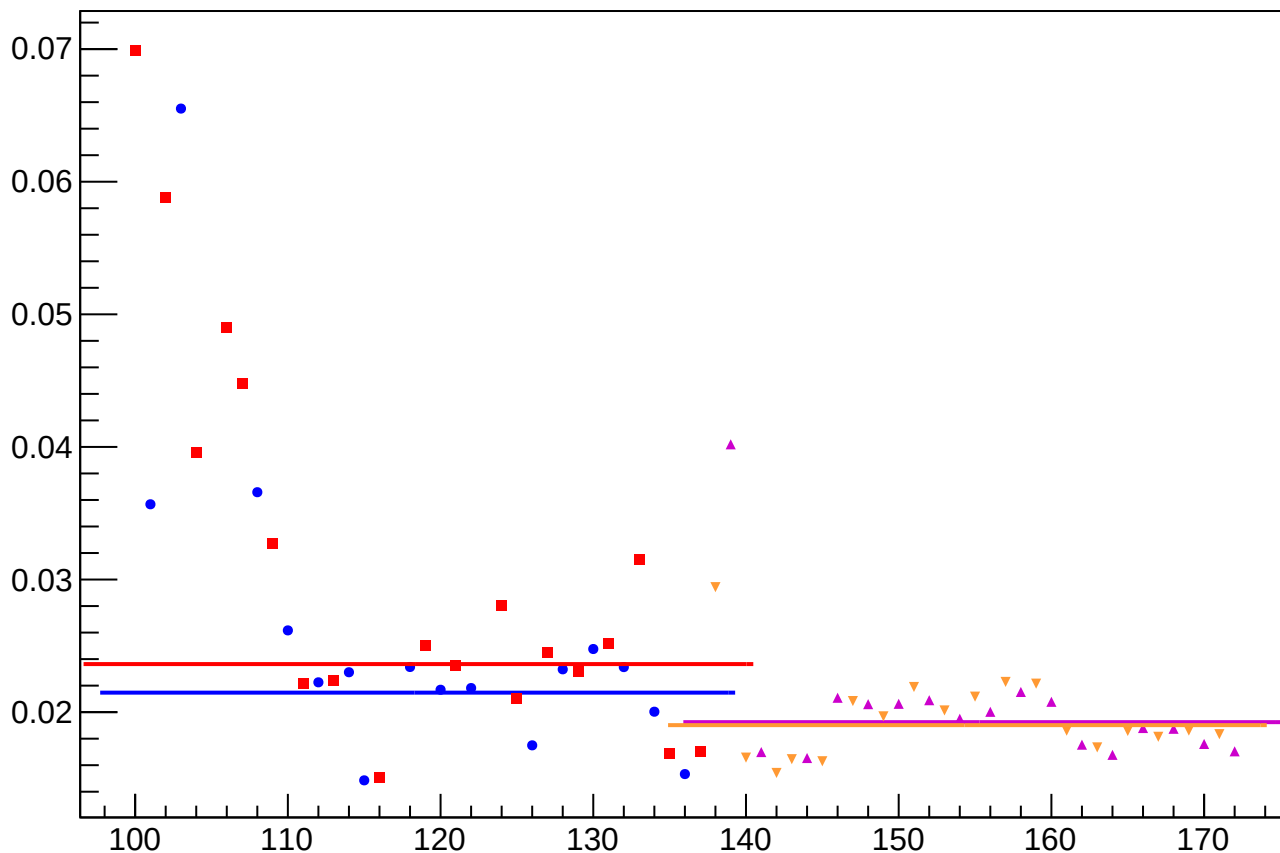
Left In: -0.767 $\pm$ 0.000 χ^2 /NDF: 77624050.1/16

+ sign -0.712 $\pm$ 0.000 χ^2 /NDF: 908602076.5/33

All: -0.710 $\pm$ 0.000 χ^2 /NDF: 1614206035.9/6

- sign -0.709 $\pm$ 0.000 χ^2 /NDF: 705433178.5/35

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

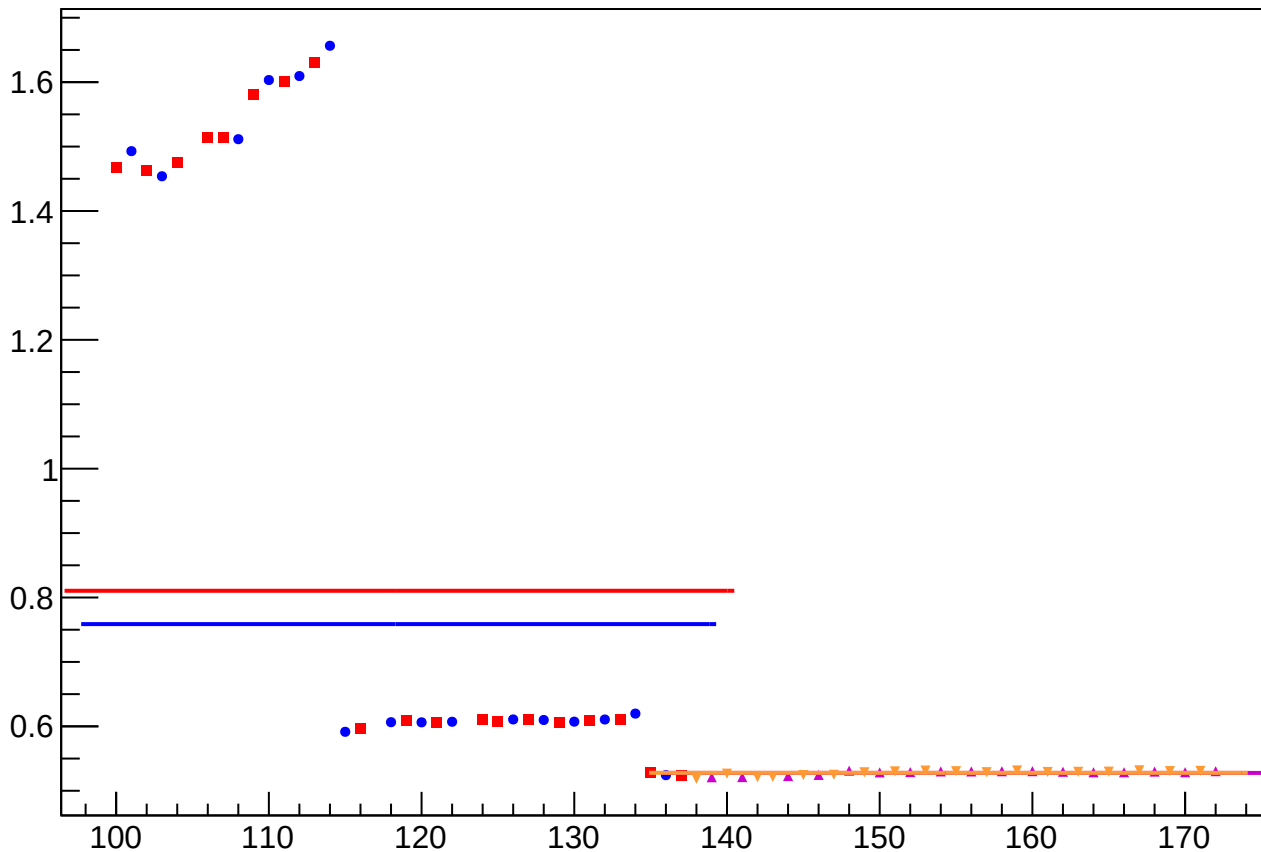
Left In: 0.019+/-0.000 χ^2/NDF : 640325.4/16

+ sign 0.020+/-0.000 χ^2/NDF : 1668420.0/33

All: 0.020+/-0.000 χ^2/NDF : 3891601.4/69

- sign 0.020+/-0.000 χ^2/NDF : 2205446.4/35

yield_bpm4aY_mean vs Slug



Right In: 0.759 $\pm$ 0.000 χ^2 /NDF: 4304169889.2/15

Left Out: 0.528 $\pm$ 0.000 χ^2 /NDF:1398331.0/17

Right Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 4769381416.8/18

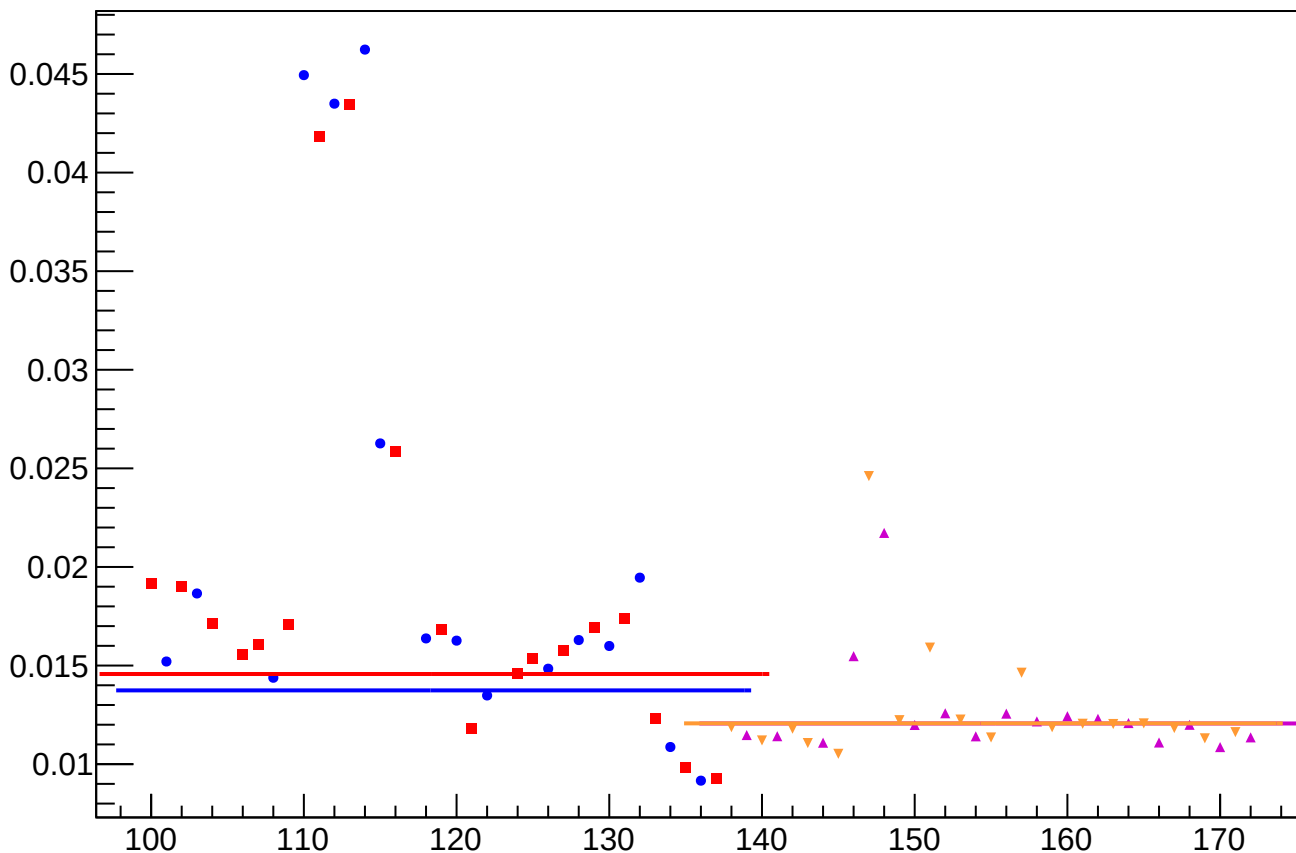
Left In: 0.528 $\pm$ 0.000 χ^2 /NDF:1024565.1/16

+ sign 0.586 $\pm$ 0.000 χ^2 /NDF: 5558921263.6/33

All: 0.591 $\pm$ 0.000 χ^2 /NDF: 12114414218.1/6

- sign 0.596 $\pm$ 0.000 χ^2 /NDF: 6549629255.2/35

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1649769.2/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:626170.2/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1455054.4/18

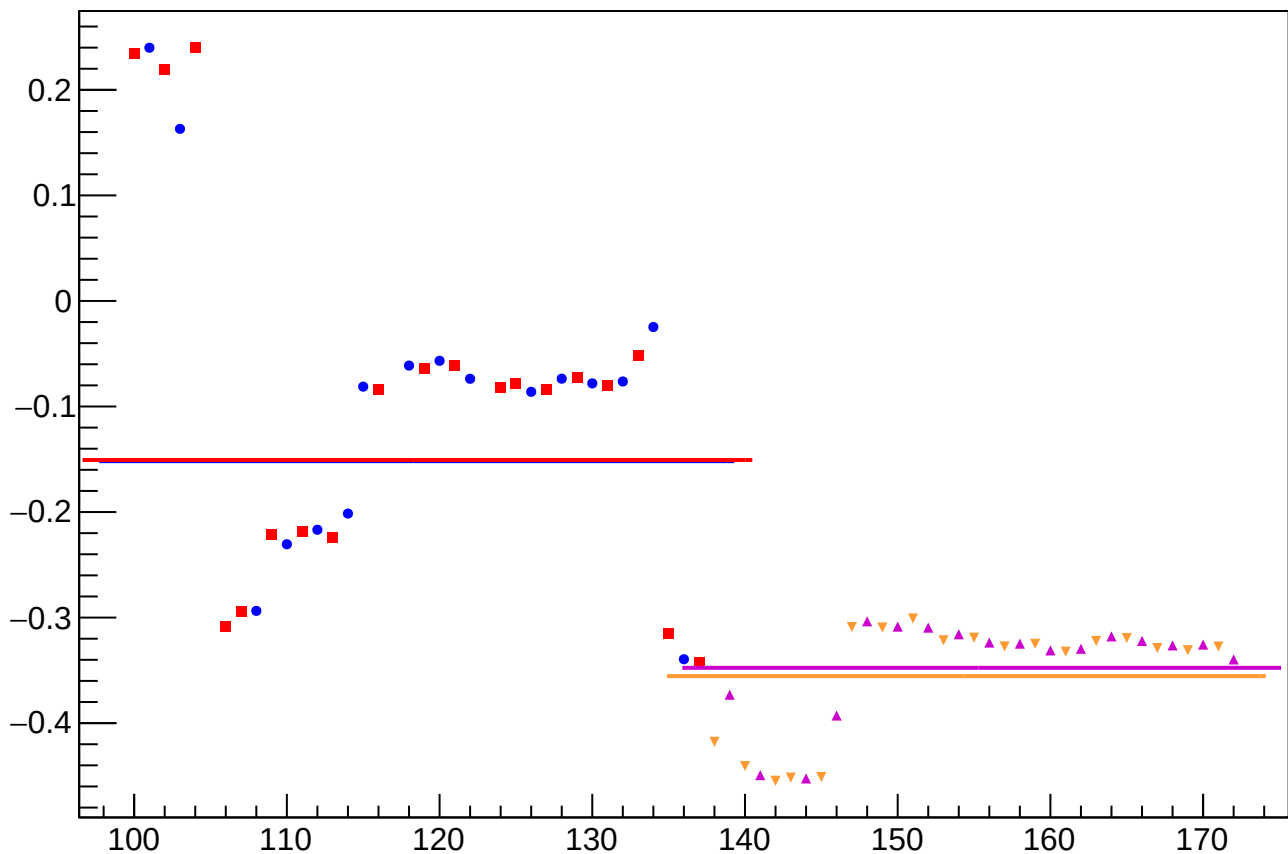
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:459526.2/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2407476.6/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4605988.2/69

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2194615.1/35

yield_bpm4eX_mean vs Slug



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

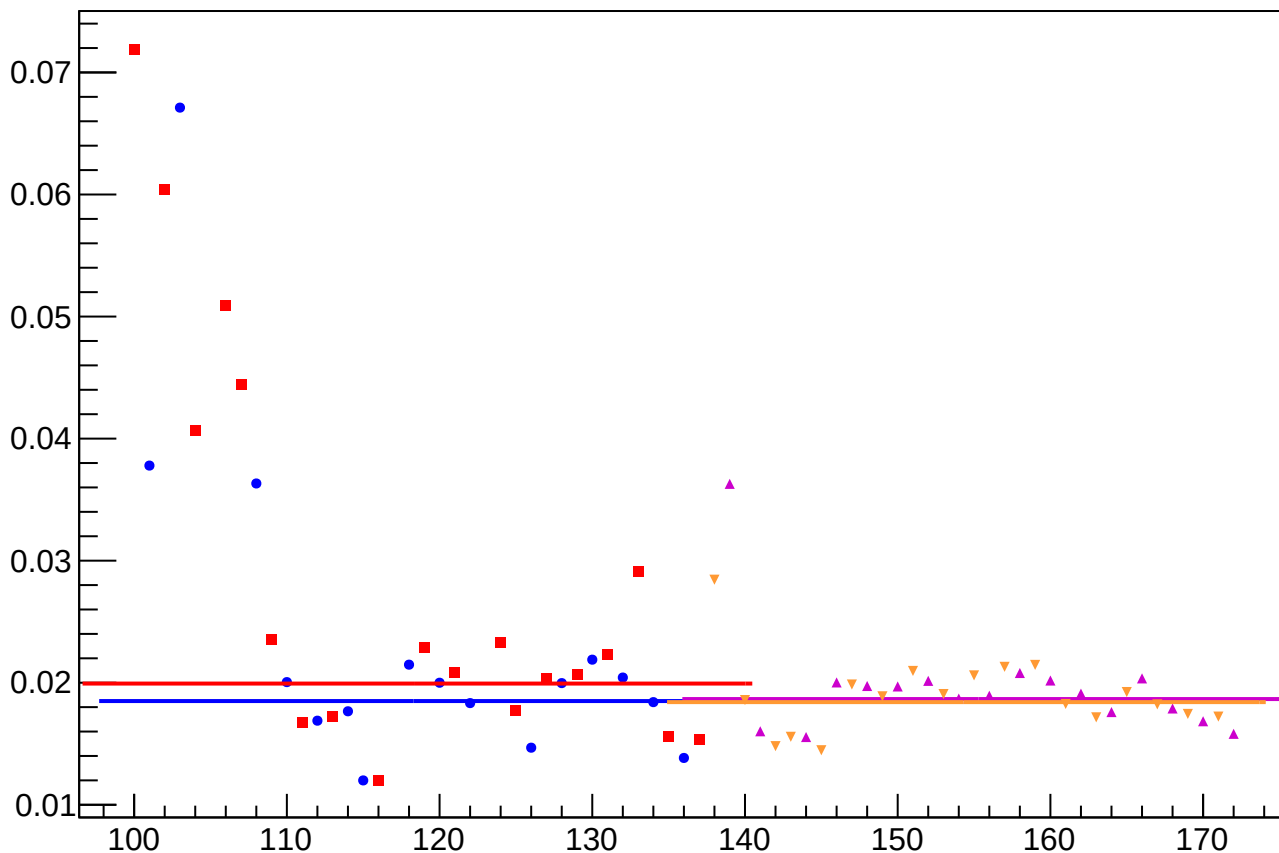
Left In: -0.348+/-0.000 χ^2/NDF : 78107523.9/16

+ sign -0.292+/-0.000 χ^2/NDF : 823547456.7/33

All: -0.290+/-0.000 χ^2/NDF : 1474590612.0/6

- sign -0.289+/-0.000 χ^2/NDF : 650864803.5/35

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

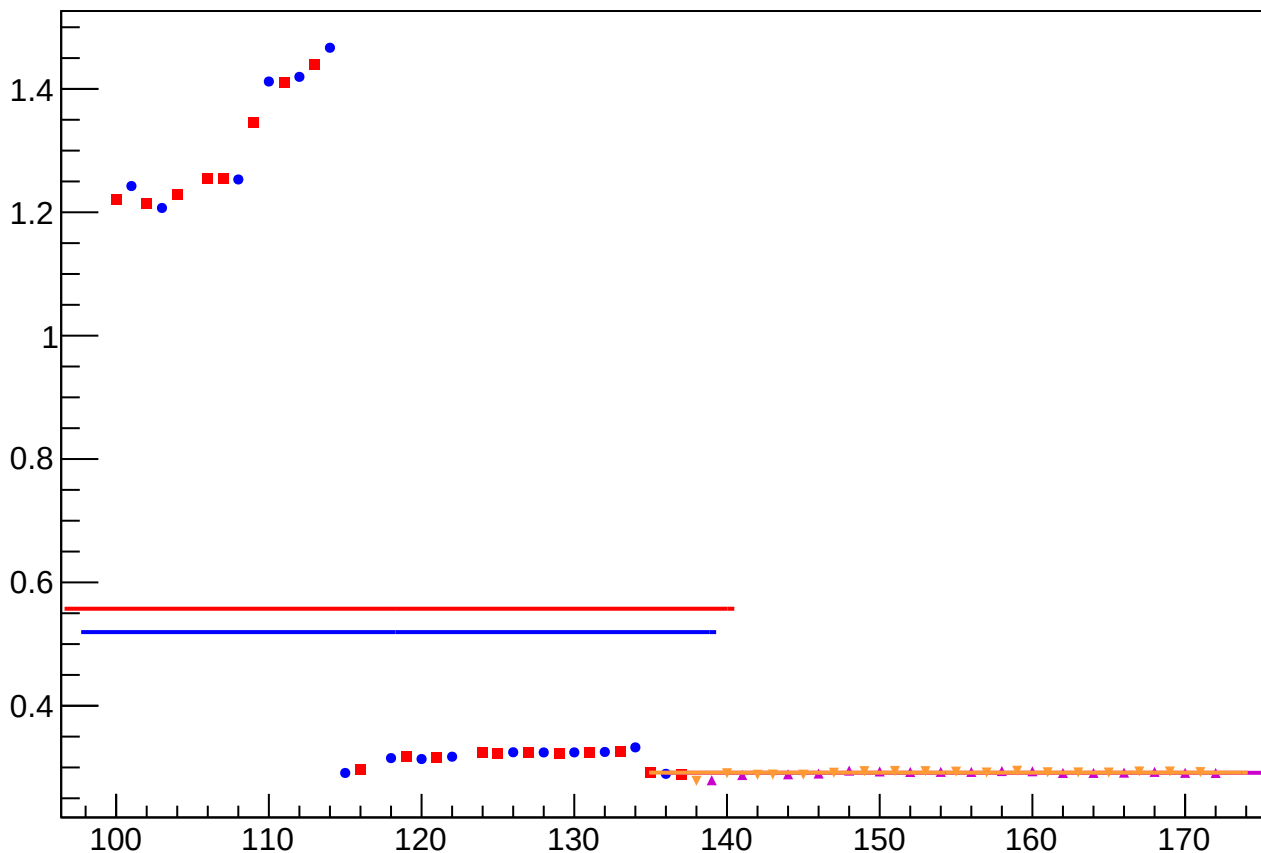
Left In: 0.019+/-0.000 χ^2/NDF : 600724.4/16

+ sign 0.018+/-0.000 χ^2/NDF : 1820505.1/33

All: 0.019+/-0.000 χ^2/NDF : 4016993.6/69

- sign 0.019+/-0.000 χ^2/NDF : 2179322.0/35

yield_bpm4eY_mean vs Slug



Right In: 0.519 $\pm$ 0.000 χ^2 /NDF: 6319132275.3/15

Left Out: 0.292 $\pm$ 0.000 χ^2 /NDF:1201322.4/17

Right Out: 0.557 $\pm$ 0.000 χ^2 /NDF: 6746144835.5/18

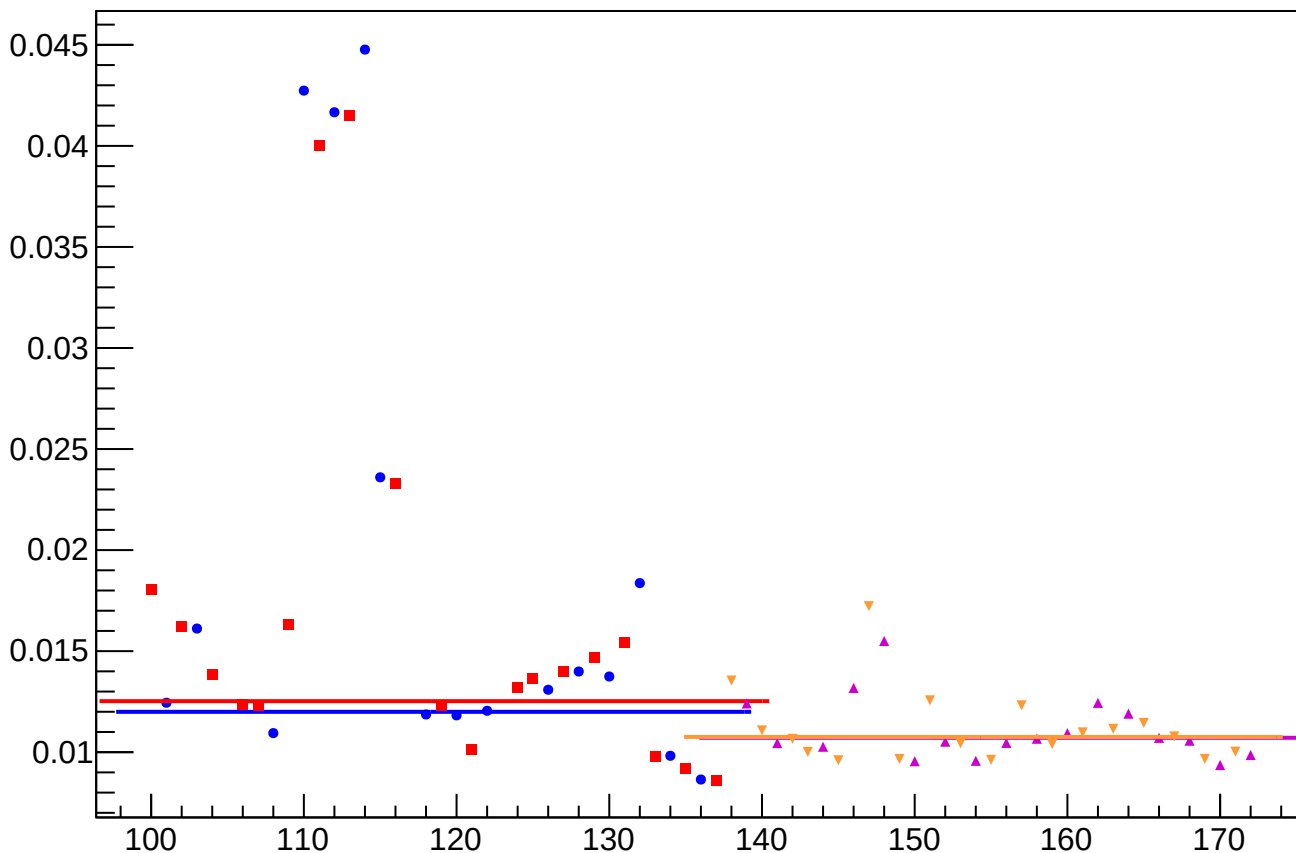
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:1186576.7/16

+ sign 0.351 $\pm$ 0.000 χ^2 /NDF: 7905446713.4/33

All: 0.355 $\pm$ 0.000 χ^2 /NDF: 16721614248.3/6

- sign 0.358 $\pm$ 0.000 χ^2 /NDF: 8812304519.3/35

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1491608.2/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:460764.9/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1434210.5/18

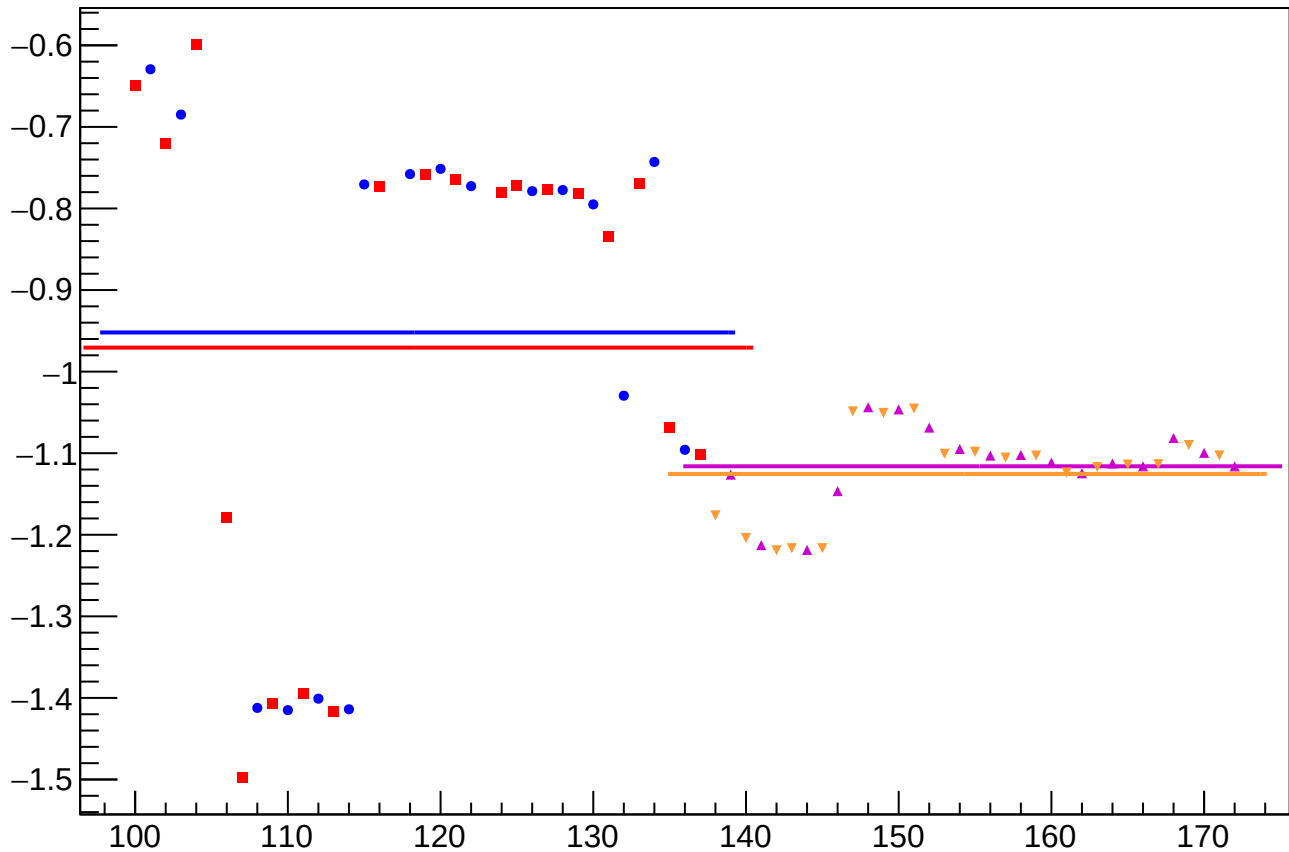
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:383398.6/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2046665.1/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4057304.4/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2009399.1/35

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

+ sign -1.079 ± 0.000 χ^2/NDF : 1068507553.2/33

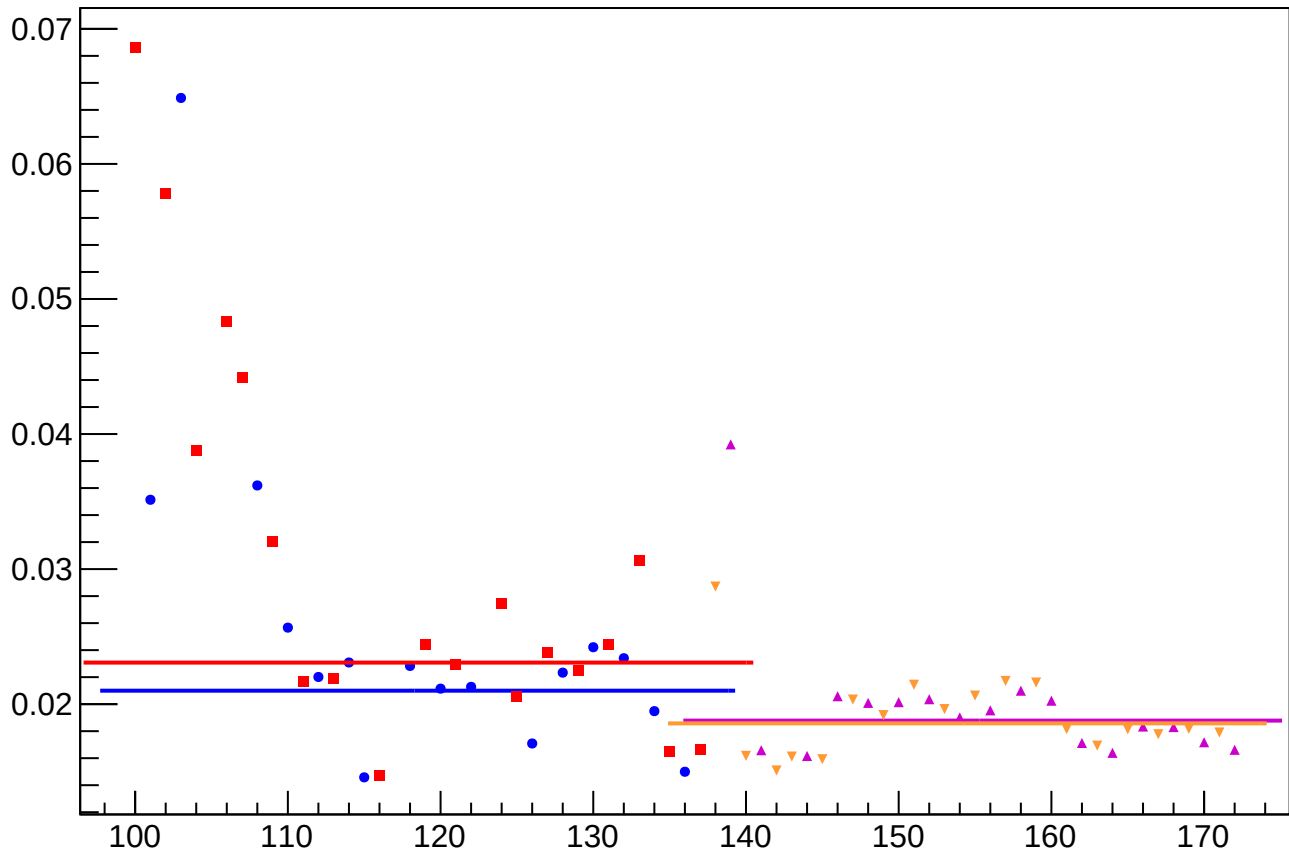
Right Out: -0.971 ± 0.000 χ^2/NDF : 714505458.0/18

All: -1.079 ± 0.000 χ^2/NDF : 2024415939.9/6

- sign -1.080 ± 0.000 χ^2/NDF : 955873223.8/35

Left In: -1.116 ± 0.000 χ^2/NDF : 75283425.3/16

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

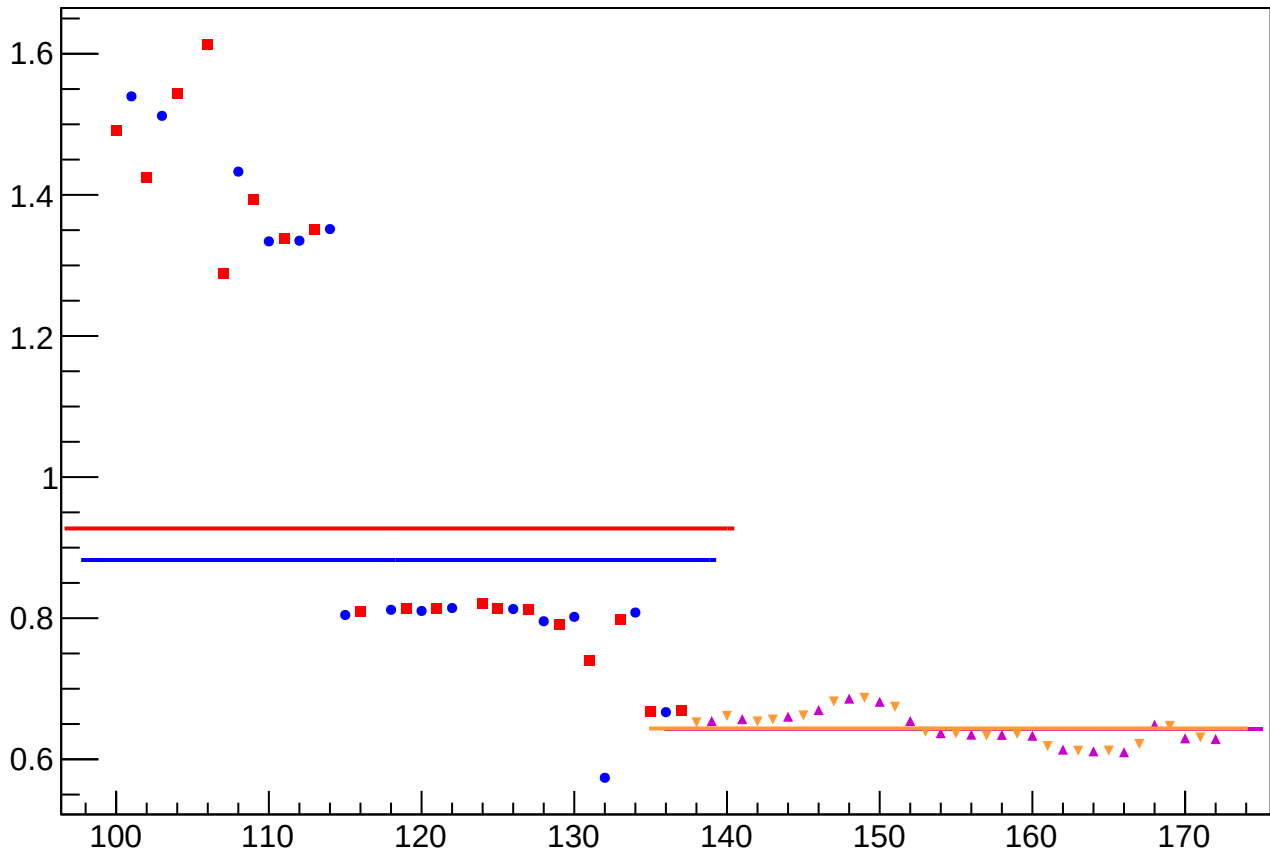
Left In: 0.019+/-0.000 χ^2/NDF : 639045.2/16

+ sign 0.019+/-0.000 χ^2/NDF : 1679545.7/33

All: 0.020+/-0.000 χ^2/NDF : 3906084.7/69

- sign 0.020+/-0.000 χ^2/NDF : 2209884.6/35

yield_bpm4acY_mean vs Slug



Right In: 0.882 $\pm$ 0.000 χ^2 /NDF: 2784156746.4/15

Left Out: 0.644 $\pm$ 0.000 χ^2 /NDF:39326047.5/17

+ sign 0.703 $\pm$ 0.000 χ^2 /NDF: 4137036189.1/33

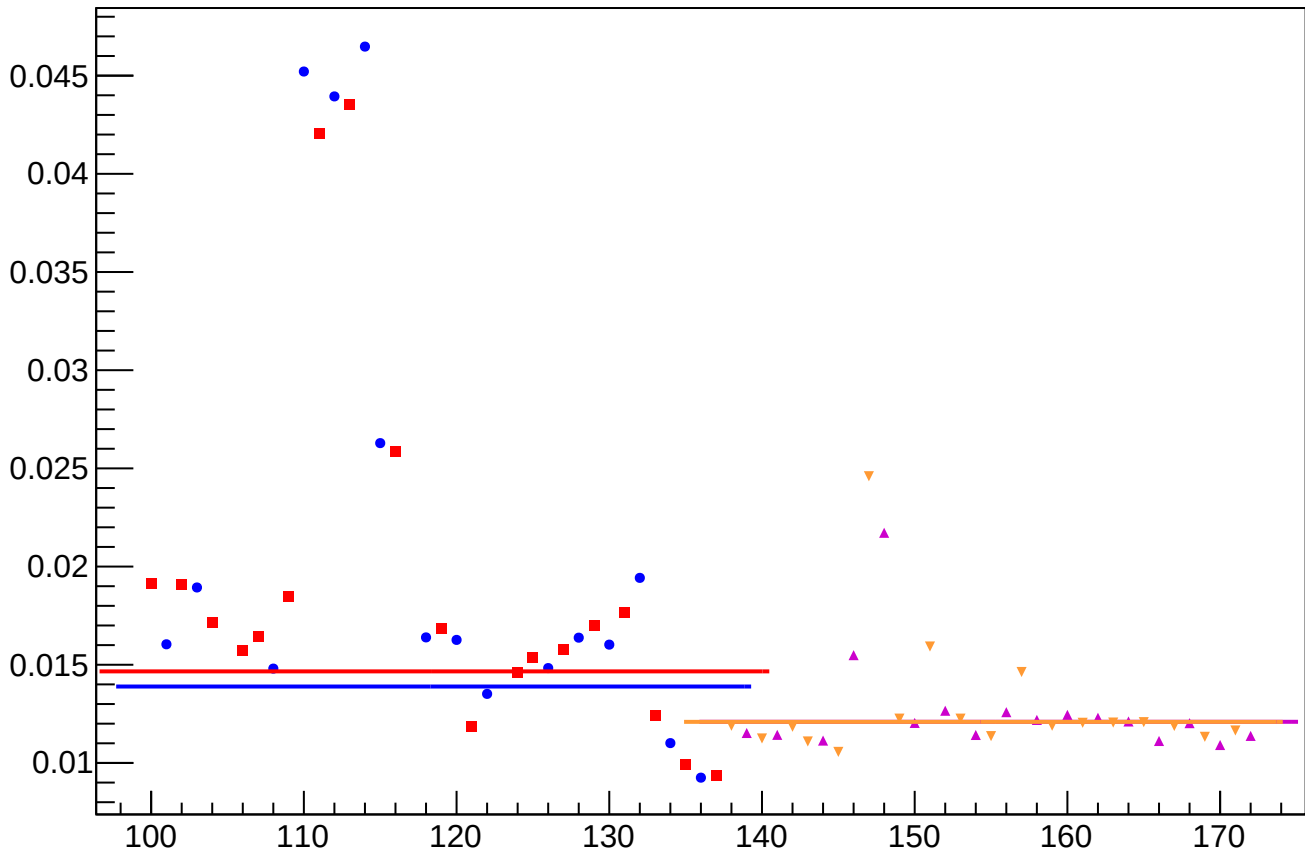
Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 2762998321.3/18

All: 0.707 $\pm$ 0.000 χ^2 /NDF: 8712842768.8/69

Left In: 0.643 $\pm$ 0.000 χ^2 /NDF:36971347.8/16

- sign 0.711 $\pm$ 0.000 χ^2 /NDF: 4572040033.1/35

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1646691.8/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 620810.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1467025.6/18

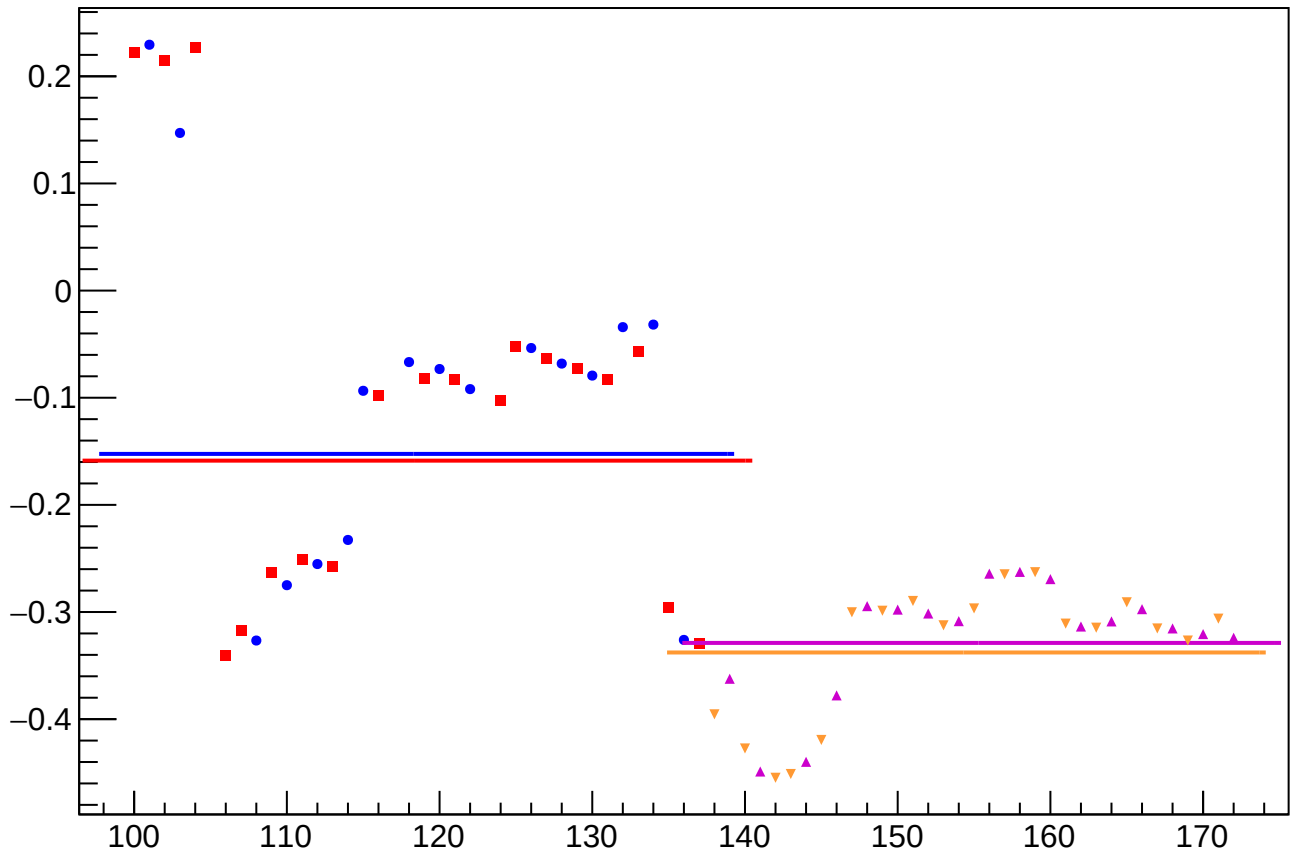
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 455658.2/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2416708.0/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4632044.8/69

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2211814.0/35

yield_bpm4ecX_mean vs Slug



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

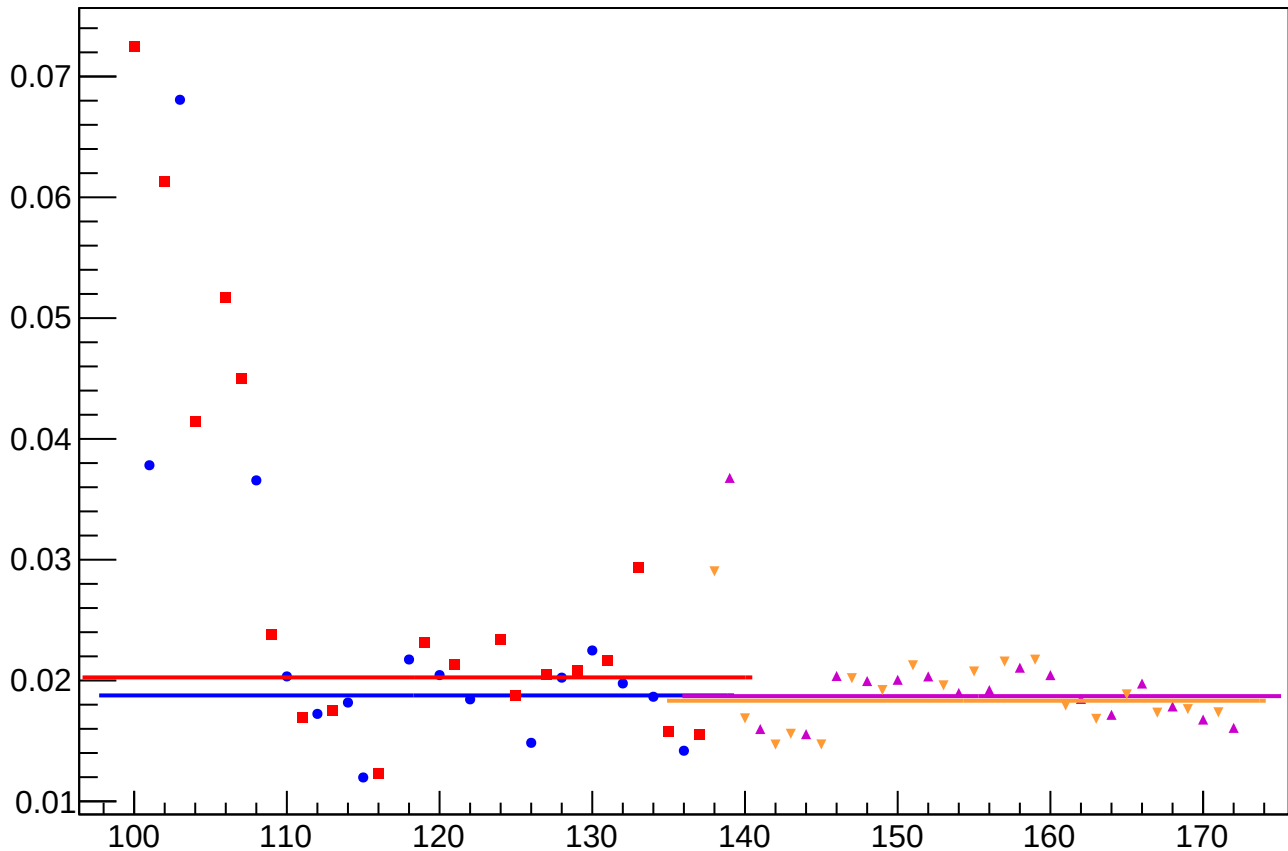
Left In: -0.329+/-0.000 χ^2/NDF : 103621768.9/16

+ sign -0.281+/-0.000 χ^2/NDF : 757752833.4/33

All: -0.280+/-0.000 χ^2/NDF : 1328680151.9/6

- sign -0.279+/-0.000 χ^2/NDF : 570838635.3/35

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1349412.3/15

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 491551.8/17

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1529624.9/18

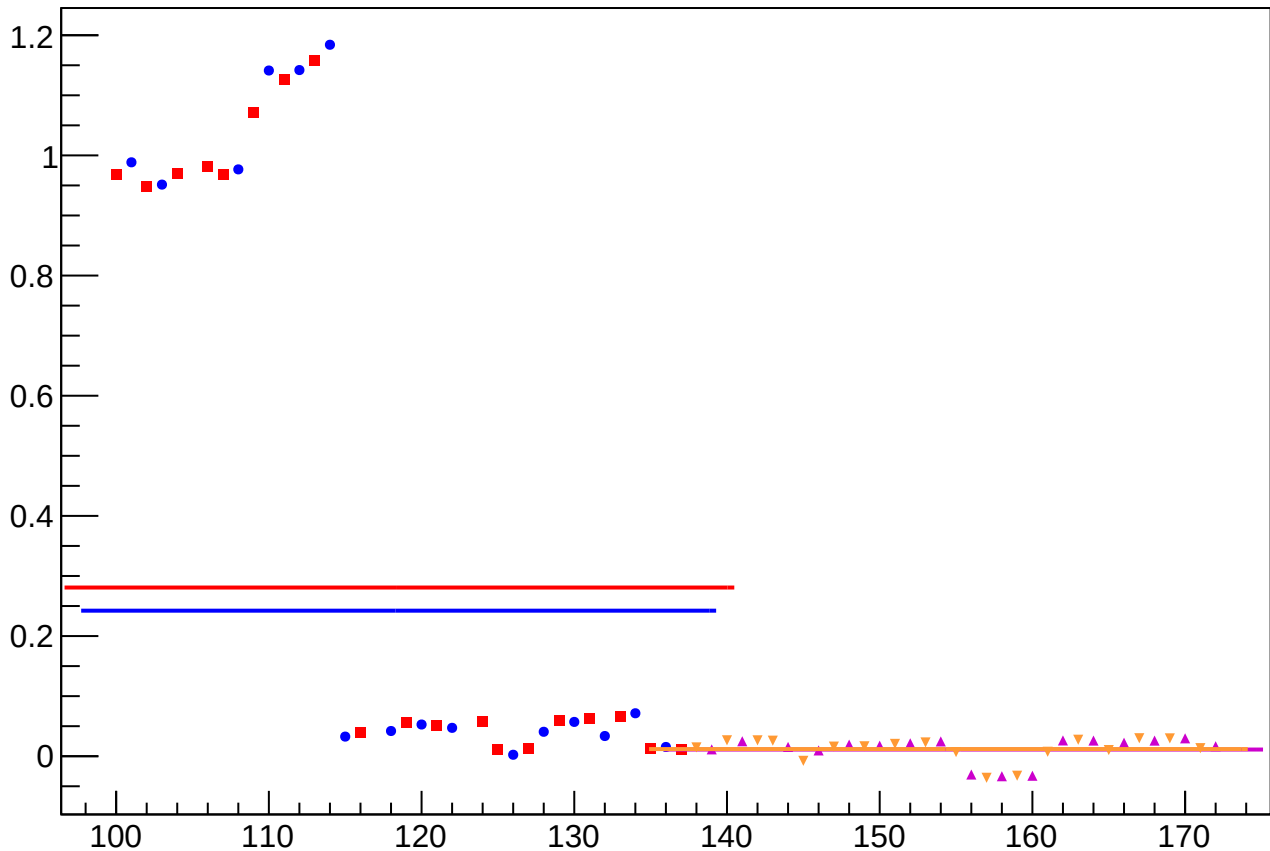
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 622029.7/16

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1844925.6/33

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 4064631.8/69

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2196721.6/35

yield_bpm4ecY_mean vs Slug



Right In: 0.242 $\pm$ 0.000 χ^2 /NDF: 6507444426.7/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 44221361.3/17

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 6757631639.3/18

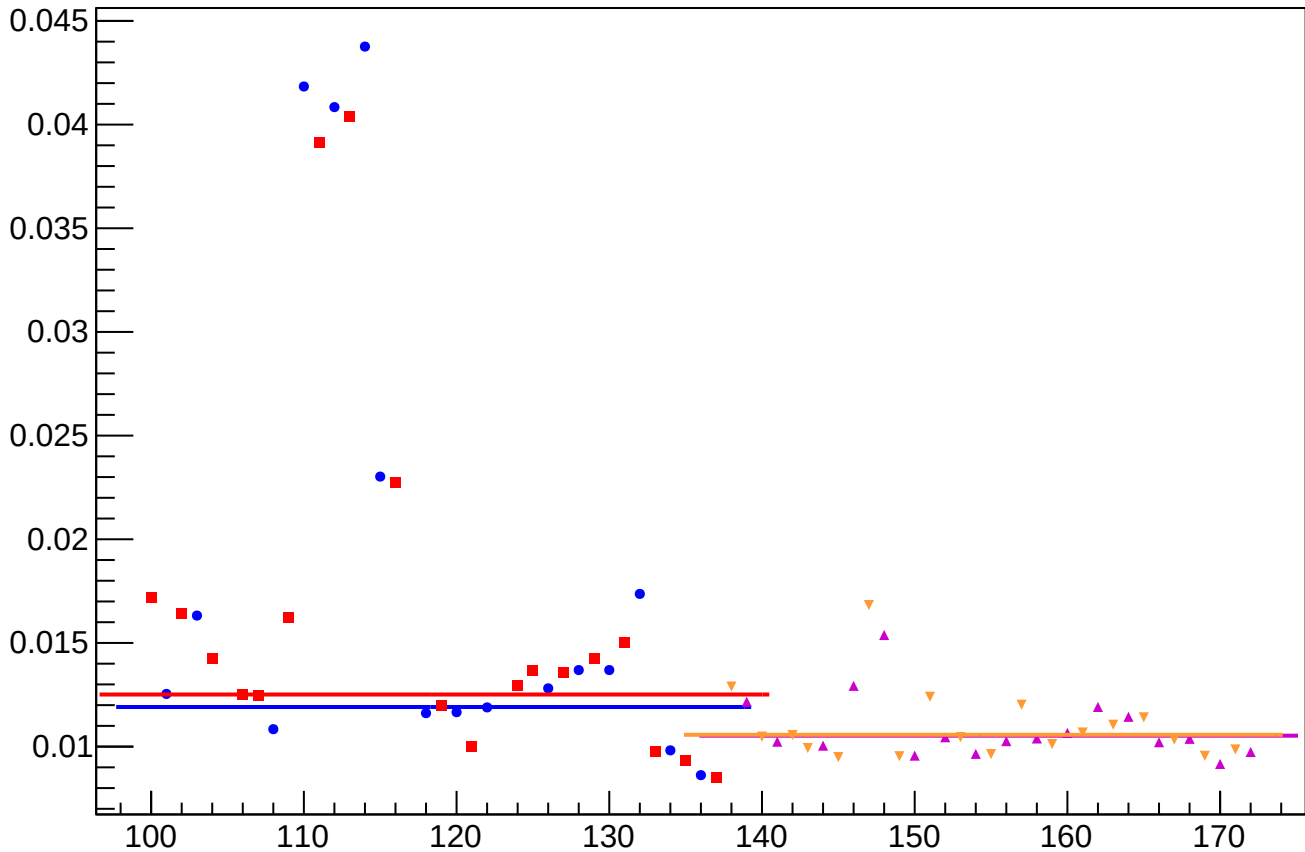
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 55270567.1/16

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 8208084157.5/33

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 17169935169.0/66

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 8958817279.3/35

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1459428.8/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:427072.4/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1392455.1/18

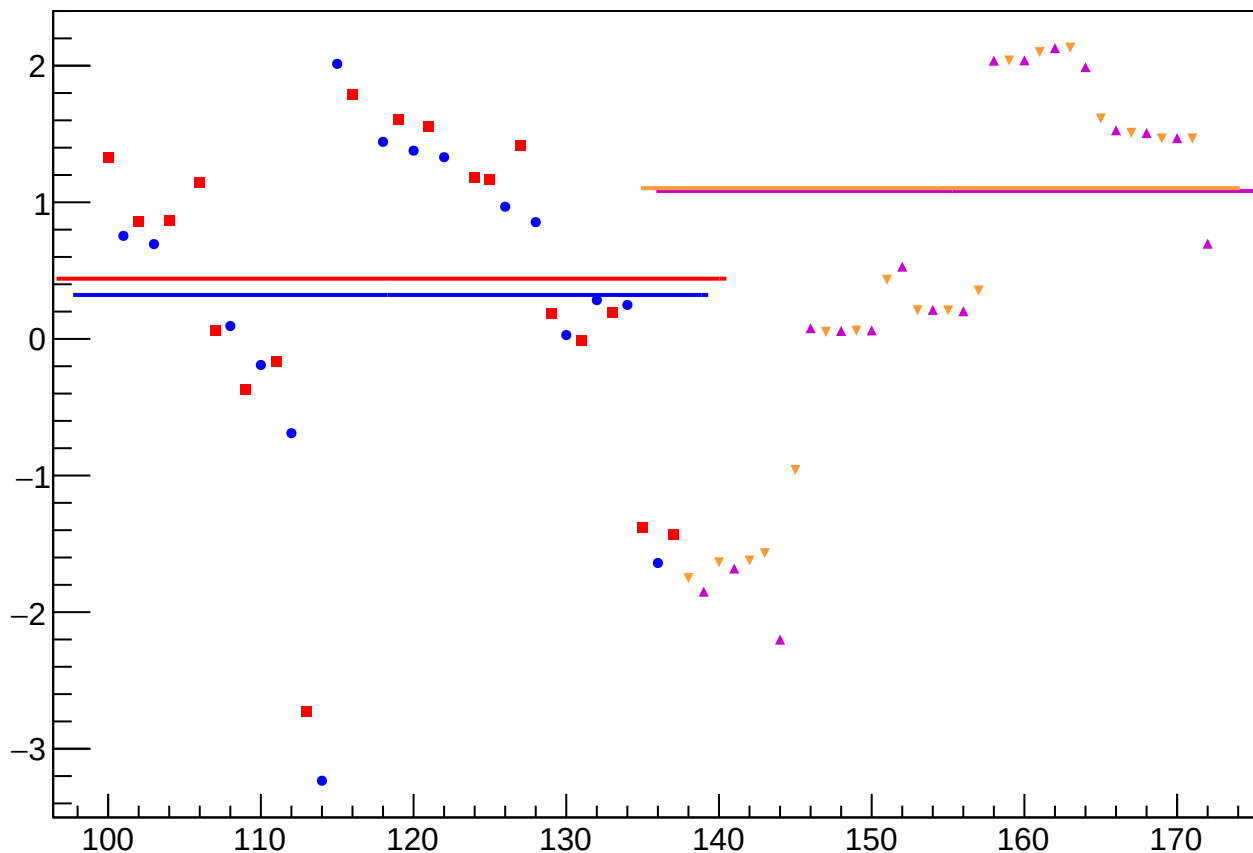
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:359329.0/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1998606.5/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3984748.6/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1984542.8/35

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

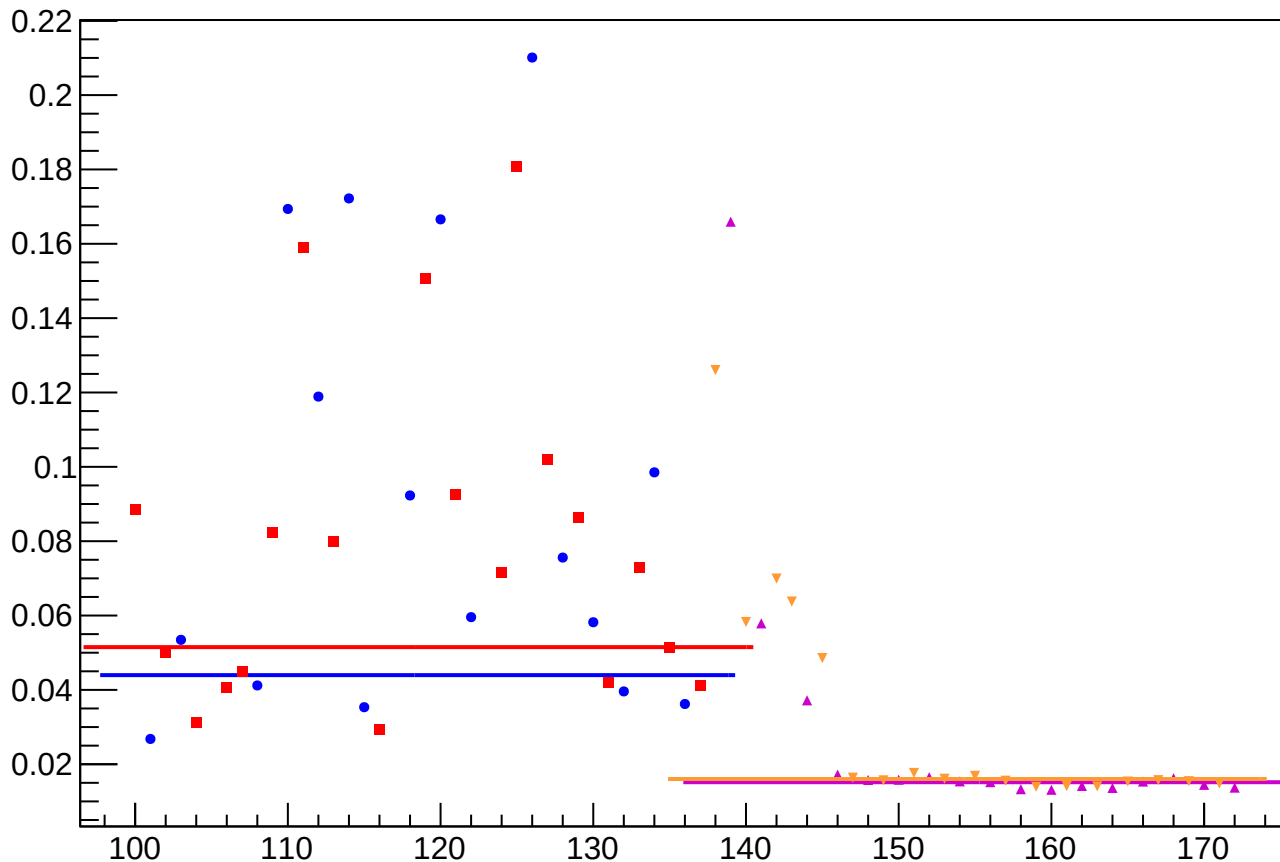
Left In: 1.083+/-0.000 χ^2/NDF : 33890725813.3/16

+ sign 1.066+/-0.000 χ^2/NDF : 32339716907.5/33

All: 1.063+/-0.000 χ^2/NDF : 68681618544.7/6

- sign 1.060+/-0.000 χ^2/NDF : 36341012407.5/35

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

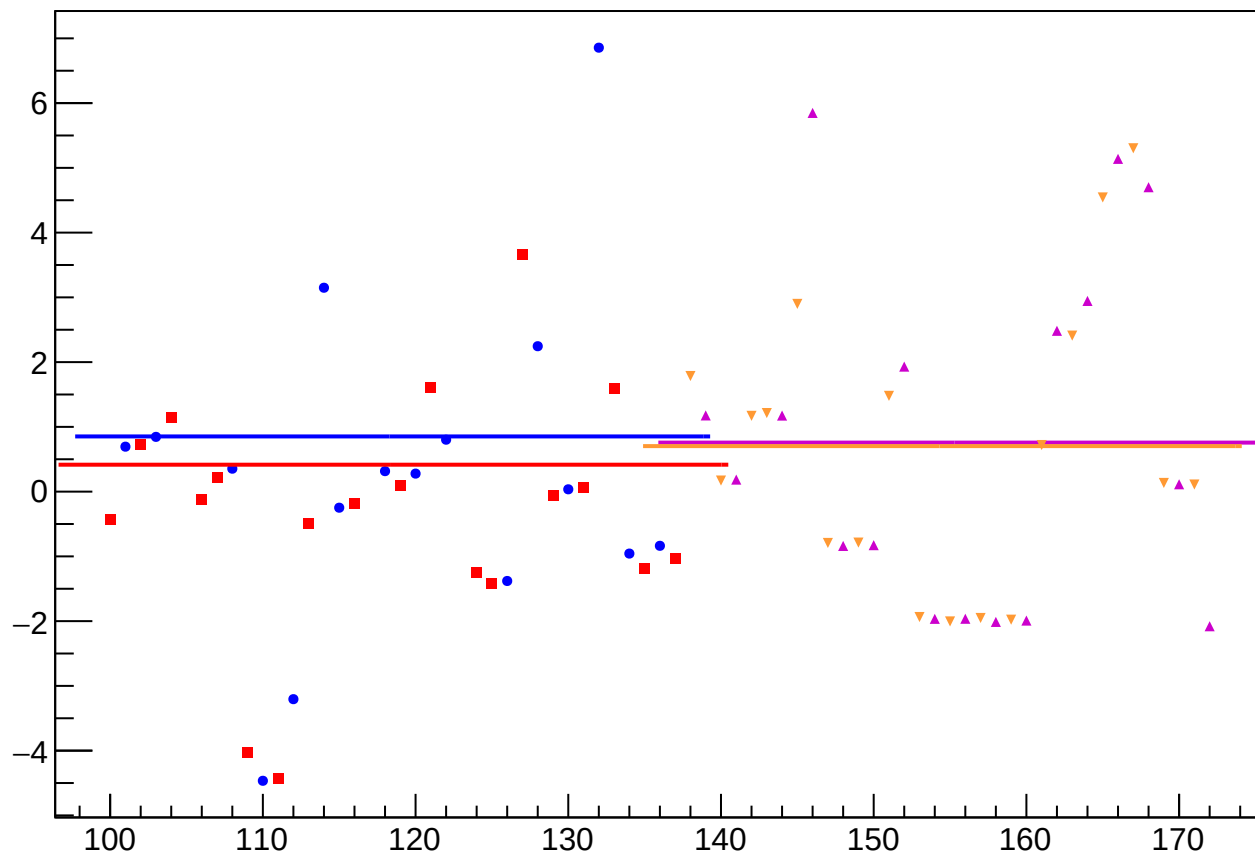
Left In: 0.015+/-0.000 χ^2/NDF : 2168976.6/16

+ sign 0.017+/-0.000 χ^2/NDF : 8630431.2/33

All: 0.017+/-0.000 χ^2/NDF : 17393448.1/69

- sign 0.016+/-0.000 χ^2/NDF : 8728142.9/35

yield_bpm1Y_mean vs Slug



Right In: 0.852 ± 0.000 $\chi^2/\text{NDF}: 11576037687.7/15$

Left Out: 0.703 ± 0.000 $\chi^2/\text{NDF}: 386990069825.6/17$

Right Out: 0.416 ± 0.000 $\chi^2/\text{NDF}: 5121892038.7/18$

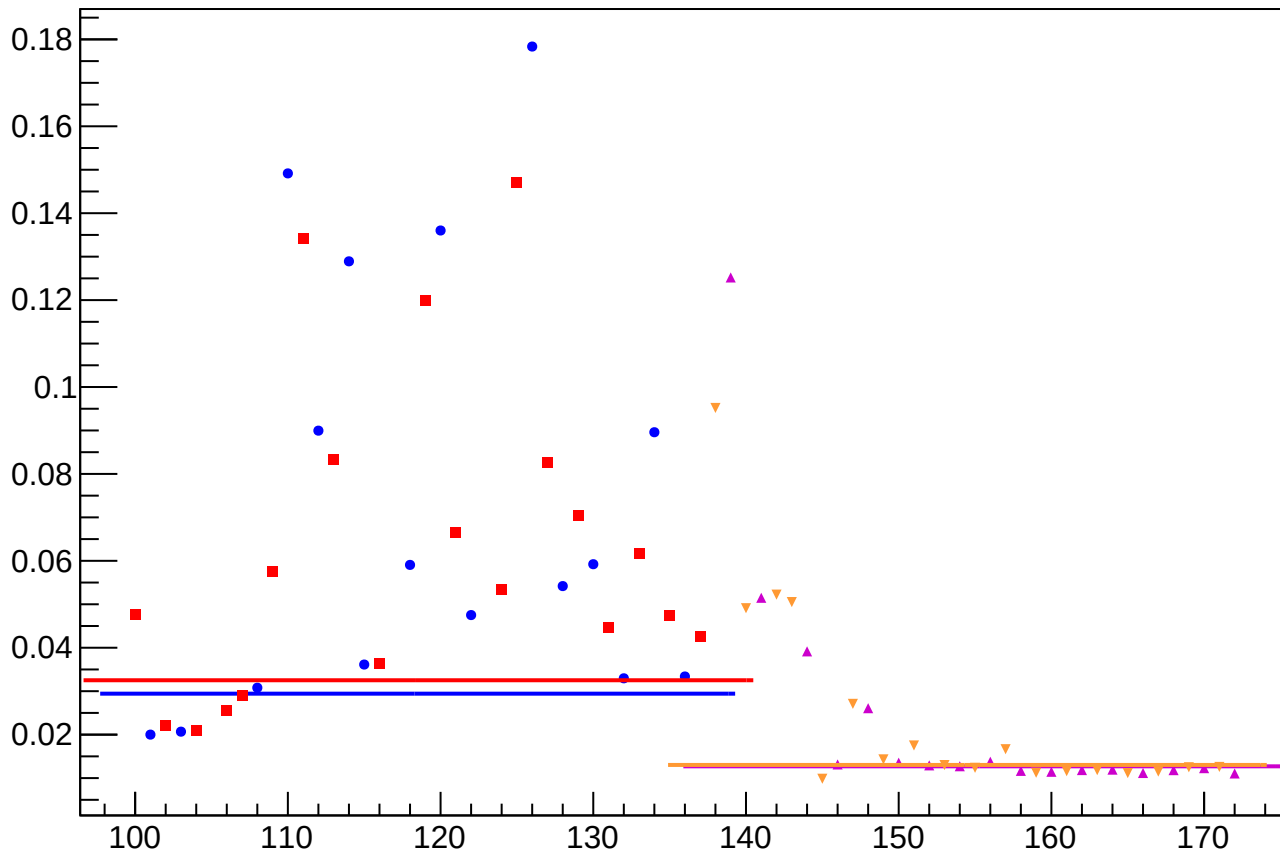
Left In: 0.757 ± 0.000 $\chi^2/\text{NDF}: 568003249724.6/16$

+ sign 0.712 ± 0.000 $\chi^2/\text{NDF}: 398655440026.8/33$

All: 0.726 ± 0.000 $\chi^2/\text{NDF}: 972235696323.8$

- sign 0.739 ± 0.000 $\chi^2/\text{NDF}: 573555159884.6/35$

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

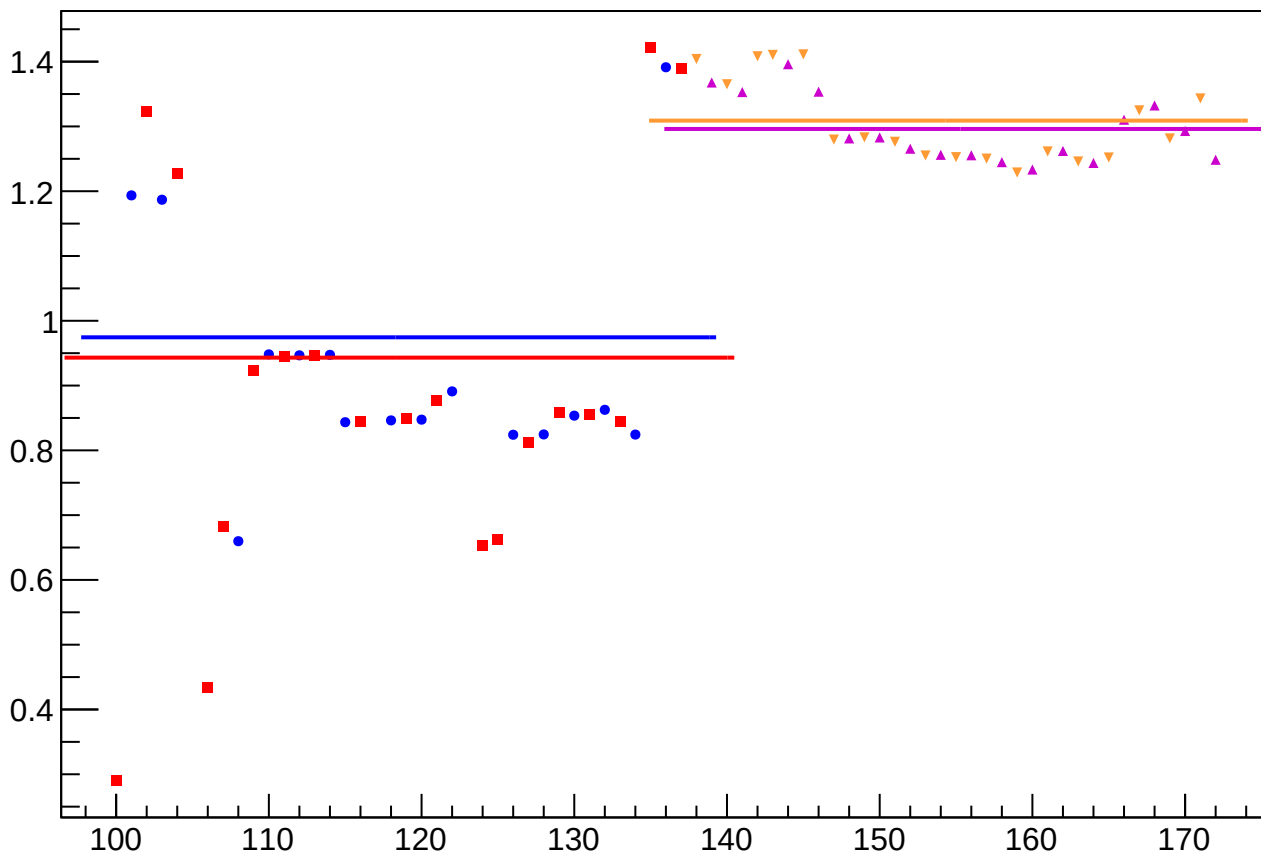
Left In: 0.013+/-0.000 χ^2/NDF : 2719275.3/16

+ sign 0.014+/-0.000 χ^2/NDF : 8453151.9/33

All: 0.014+/-0.000 χ^2/NDF : 17393039.9/69

- sign 0.014+/-0.000 χ^2/NDF : 8933861.1/35

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

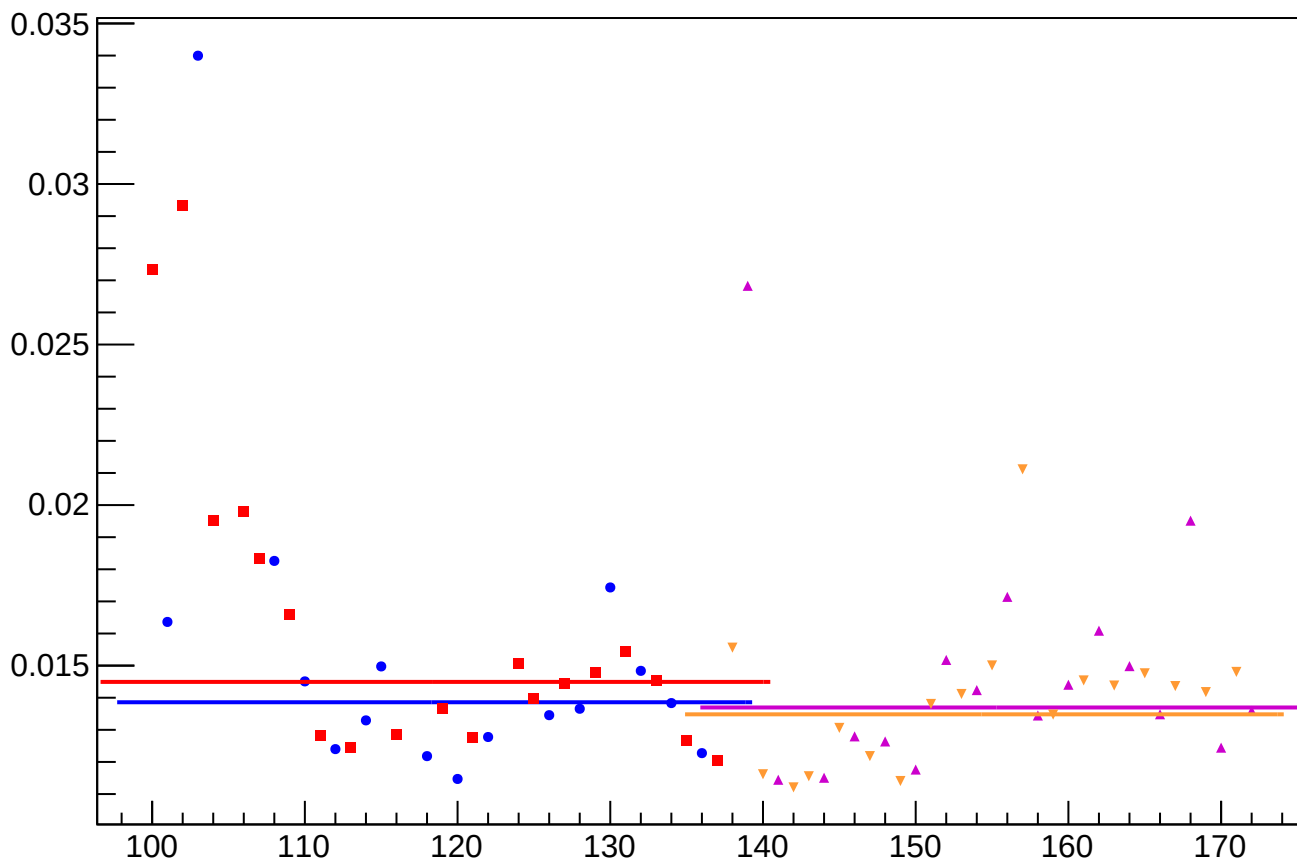
Left In: 1.296+/-0.000 χ^2/NDF : 164701280.1/16

+ sign 1.201+/-0.000 χ^2/NDF : 4176754400.2/33

All: 1.193+/-0.000 χ^2/NDF : 8619962848.5/69

- sign 1.184+/-0.000 χ^2/NDF : 4429082275.1/35

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 599979.5/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 425226.0/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 544337.7/18

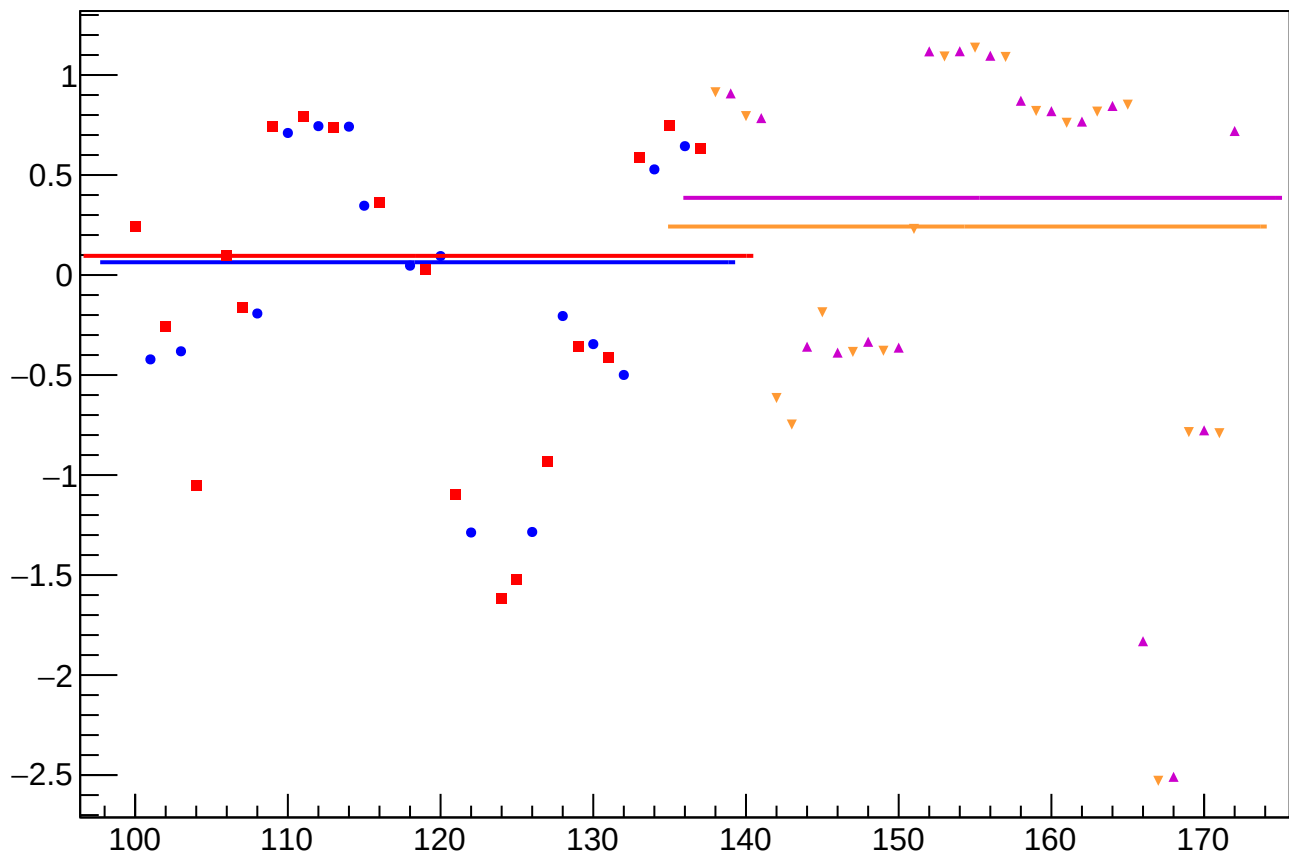
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 842391.2/16

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1031399.6/33

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2456226.7/69

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1413171.5/35

yield_bpm11Y_mean vs Slug



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

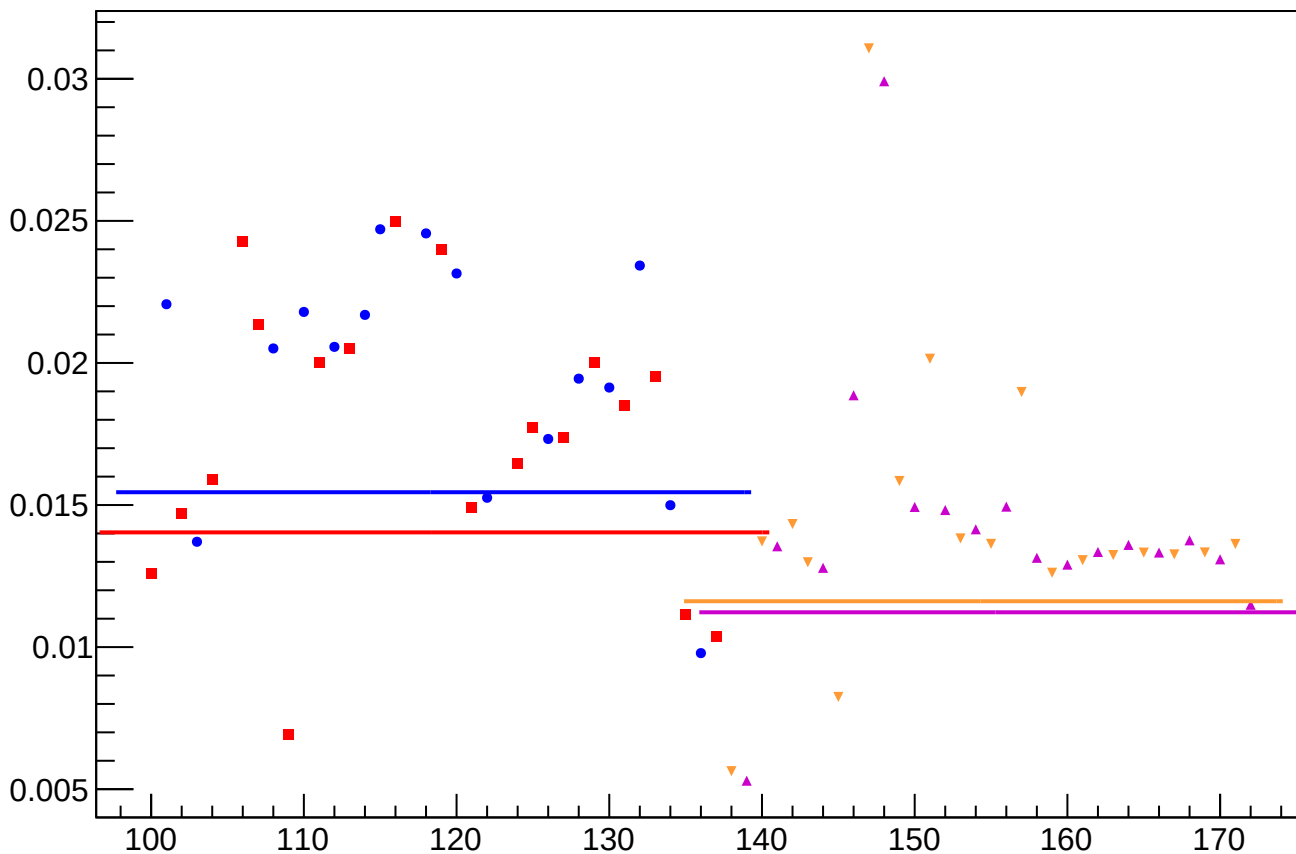
Left In: 0.386+/-0.000 χ^2/NDF : 84133296002.9/16

+ sign 0.203+/-0.000 χ^2/NDF : 88927657055.5/33

All: 0.261+/-0.000 χ^2/NDF : 193472738948.1

- sign 0.315+/-0.000 χ^2/NDF : 103811395591.2/35

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1293711.1/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3170869.9/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1686554.4/18

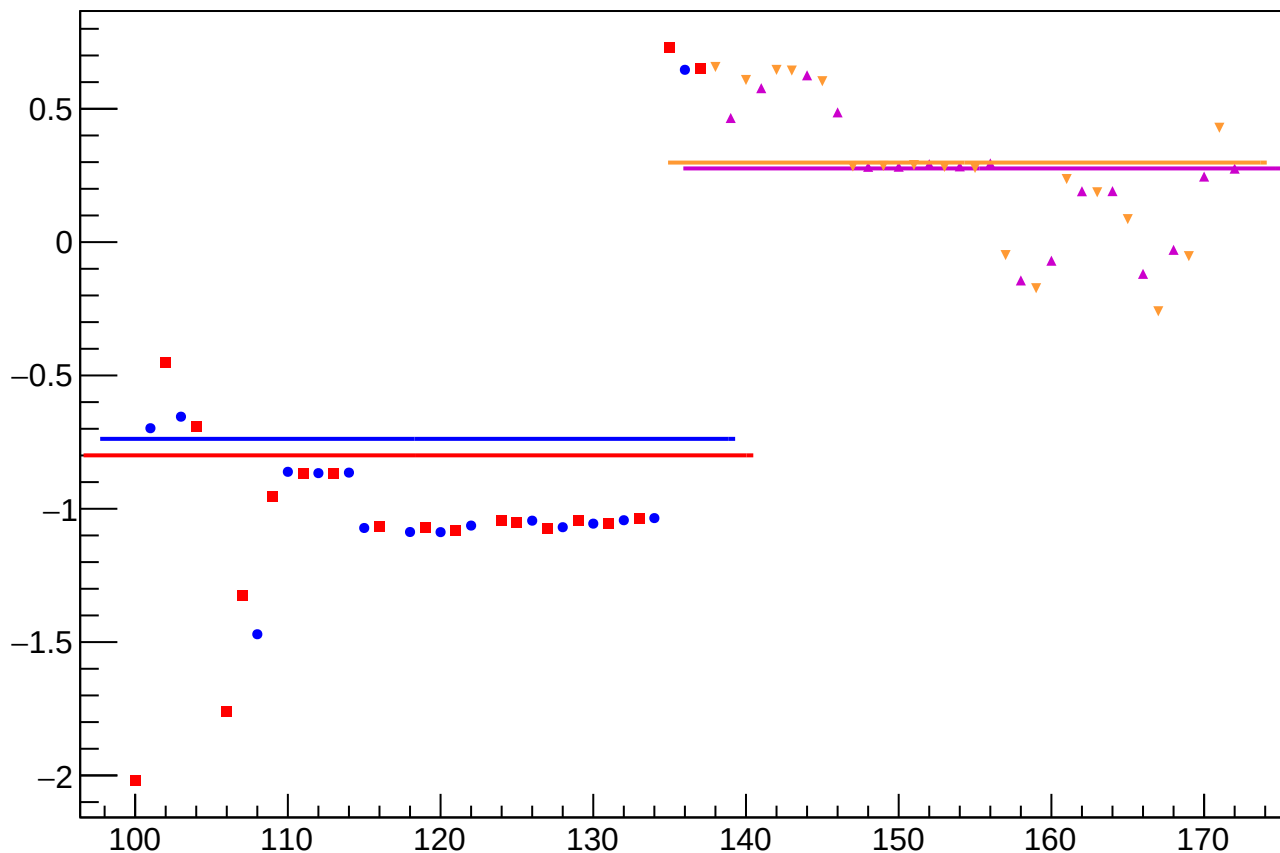
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:3567212.1/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5040407.1/33

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10685859.9/69

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5609715.1/35

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

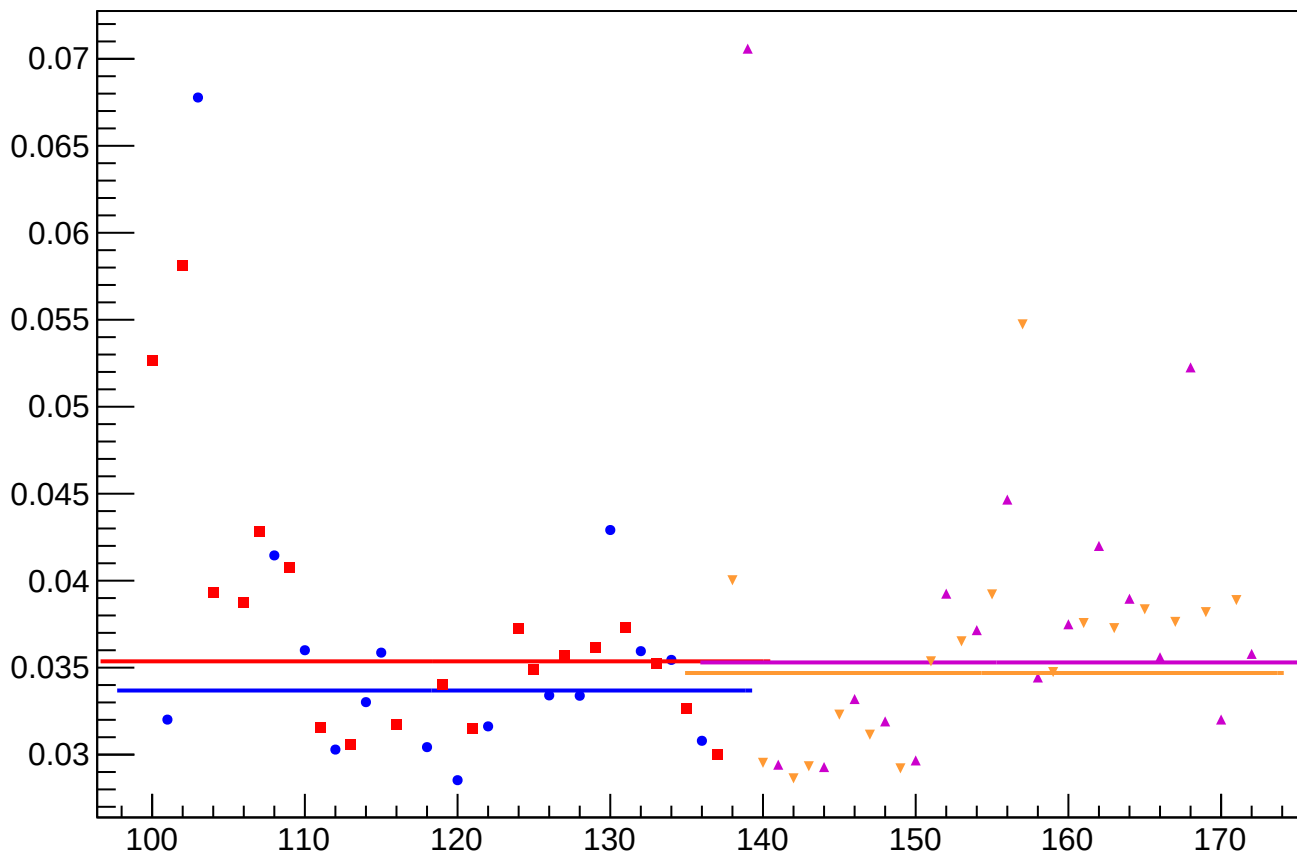
Left In: 0.276+/-0.000 χ^2/NDF : 501775660.3/16

+ sign -0.069+/-0.000 χ^2/NDF : 6671916598.7/33

All: -0.082+/-0.000 χ^2/NDF : 12975425052.2

- sign -0.097+/-0.000 χ^2/NDF : 6297455419.8/35

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

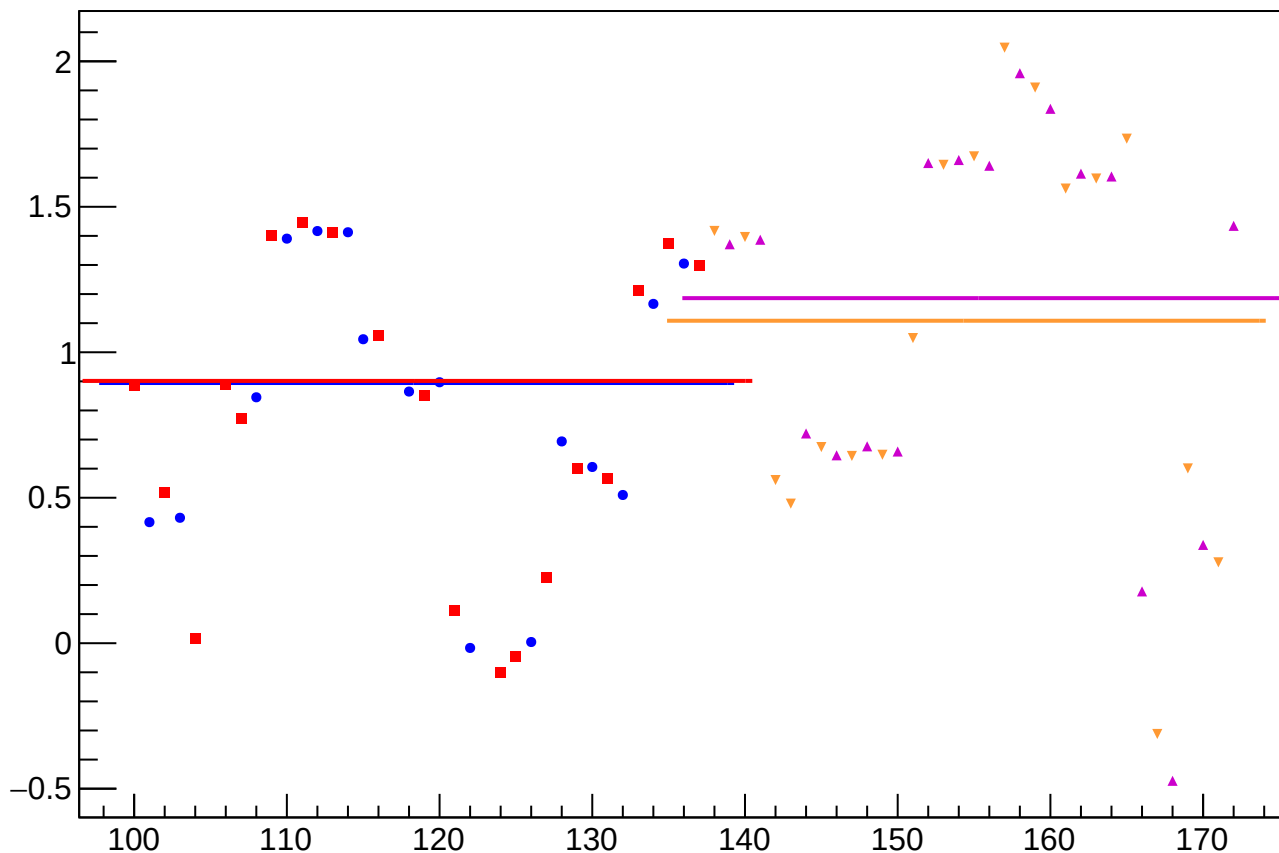
Left In: 0.035+/-0.000 χ^2/NDF : 929395.1/16

+ sign 0.034+/-0.000 χ^2/NDF : 908318.7/33

All: 0.035+/-0.000 χ^2/NDF : 2148939.1/69

- sign 0.035+/-0.000 χ^2/NDF : 1225775.8/35

yield_bpm12Y_mean vs Slug



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 12749707787.6/15

Left Out: 1.108 $\pm$ 0.000 χ^2 /NDF: 65288033312.2/17

Right Out: 0.902 $\pm$ 0.000 χ^2 /NDF: 17893051843.7/18

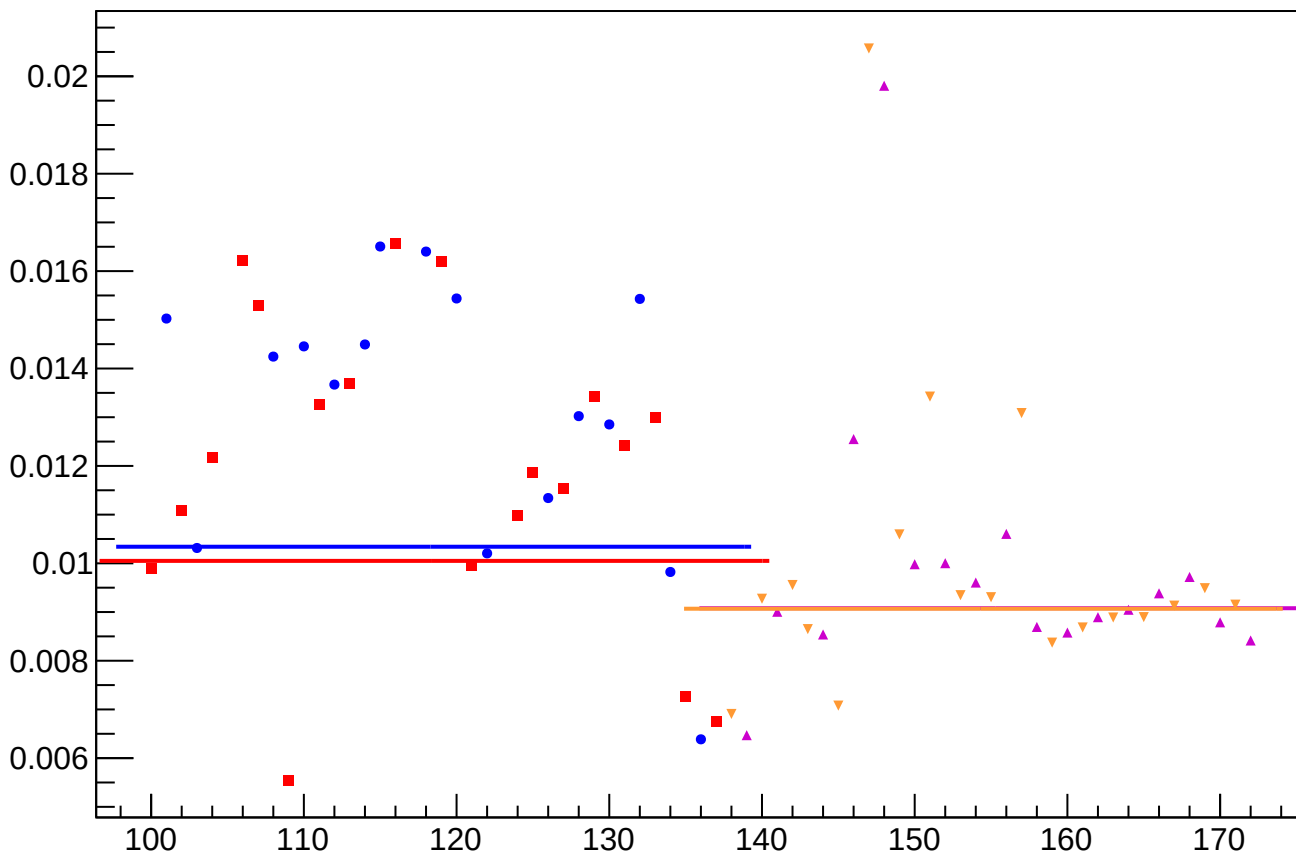
Left In: 1.186 $\pm$ 0.000 χ^2 /NDF: 65762799043.7/16

+ sign 1.053 $\pm$ 0.000 χ^2 /NDF: 79928283273.0/33

All: 1.080 $\pm$ 0.000 χ^2 /NDF: 167415762619.0

- sign 1.107 $\pm$ 0.000 χ^2 /NDF: 87173196772.2/35

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

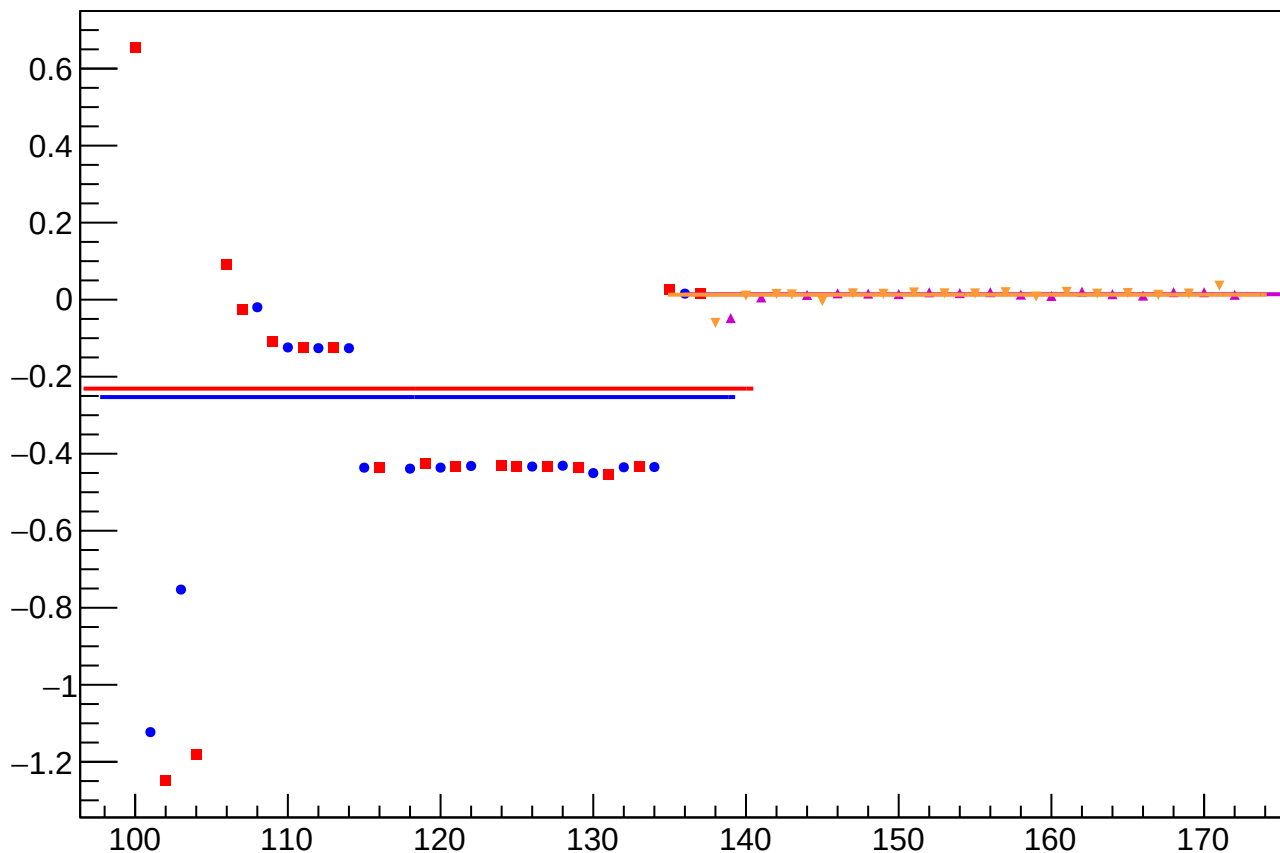
Left In: 0.009 ± 0.000 χ^2/NDF : 937098.4/16

+ sign 0.009 ± 0.000 χ^2/NDF : 2611531.8/33

All: 0.009 ± 0.000 χ^2/NDF : 4968159.0/69

- sign 0.009 ± 0.000 χ^2/NDF : 2356090.5/35

yield_bpm16X_mean vs Slug



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

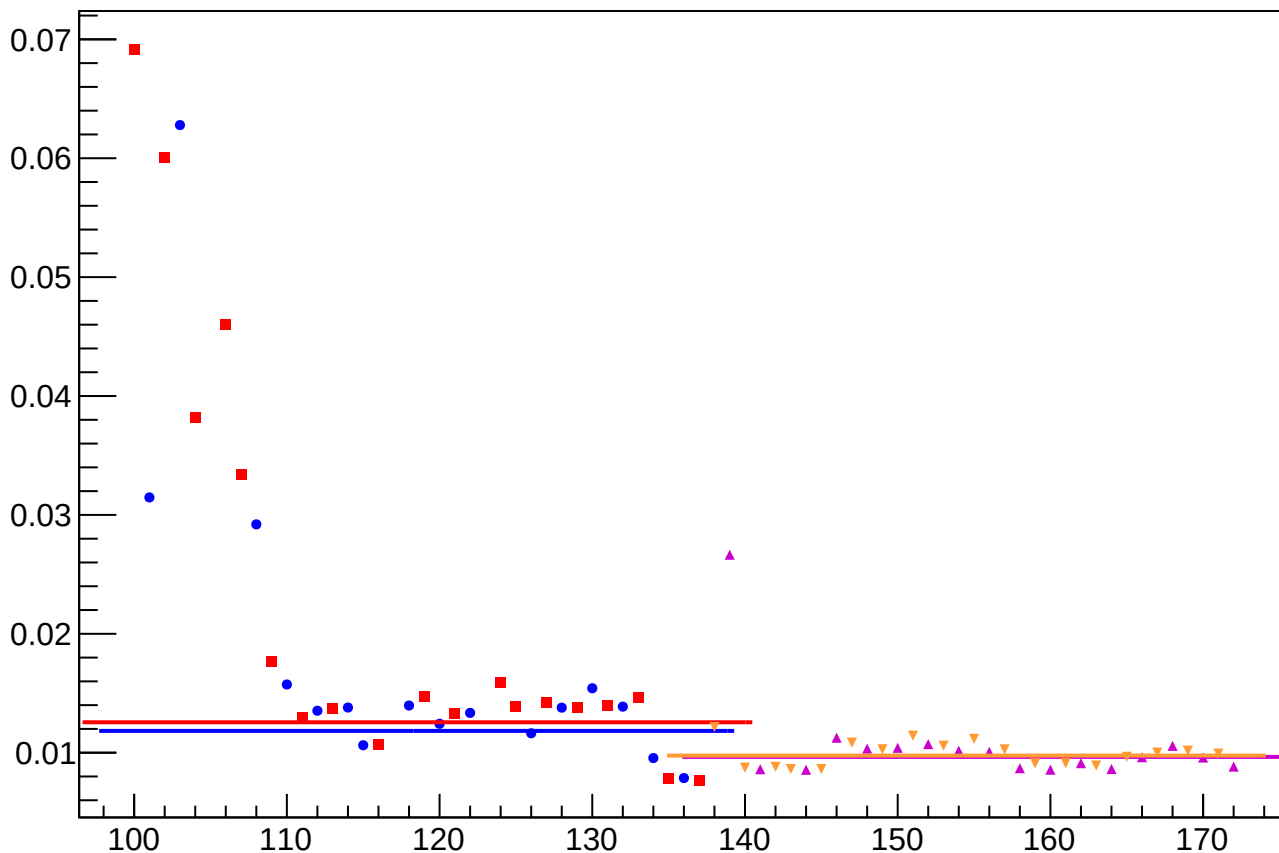
Left In: 0.014+/-0.000 χ^2/NDF : 6716186.3/16

+ sign -0.046+/-0.000 χ^2/NDF : 4007248339.1/33

All: -0.041+/-0.000 χ^2/NDF : 7348057300.3/6

- sign -0.036+/-0.000 χ^2/NDF : 3332960129.8/35

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1942550.6/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:226409.2/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2217419.3/18

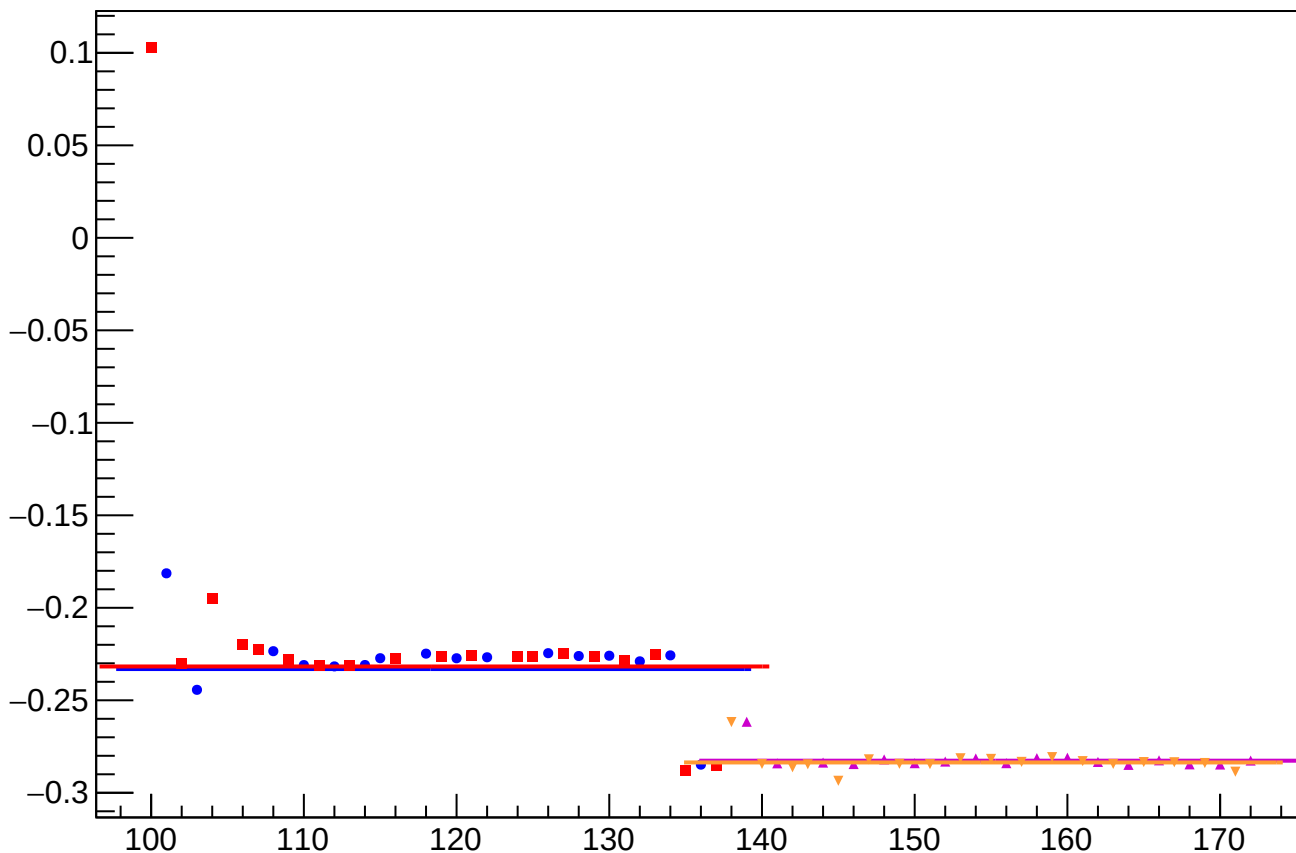
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:868064.3/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2406972.4/33

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5921683.7/69

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3514633.4/35

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

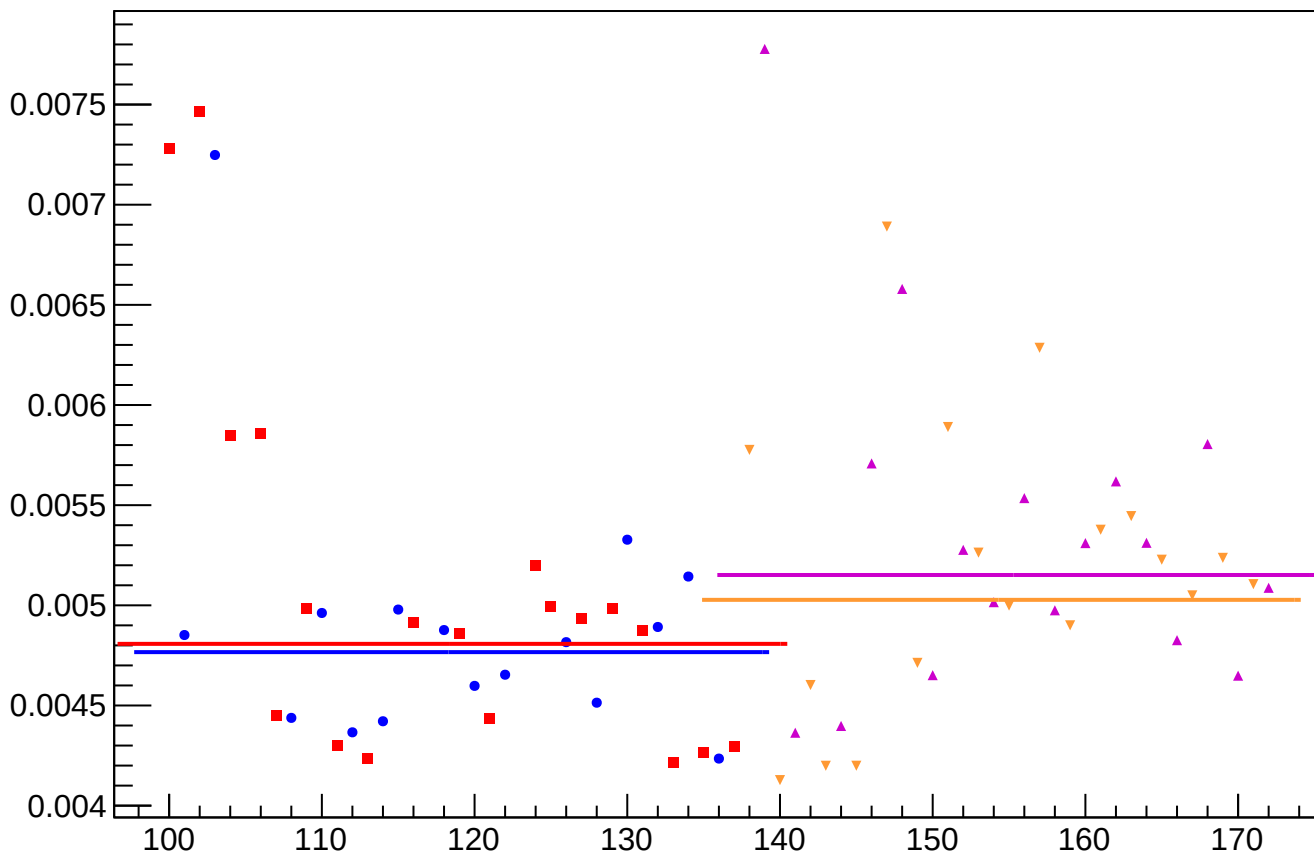
Left In: -0.283 ± 0.000 χ^2/NDF : 6766536.3/16

+ sign -0.266 ± 0.000 χ^2/NDF : 682873424.3/33

All: -0.265 ± 0.000 χ^2/NDF : 1451916793.2/6

- sign -0.264 ± 0.000 χ^2/NDF : 767360771.0/35

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

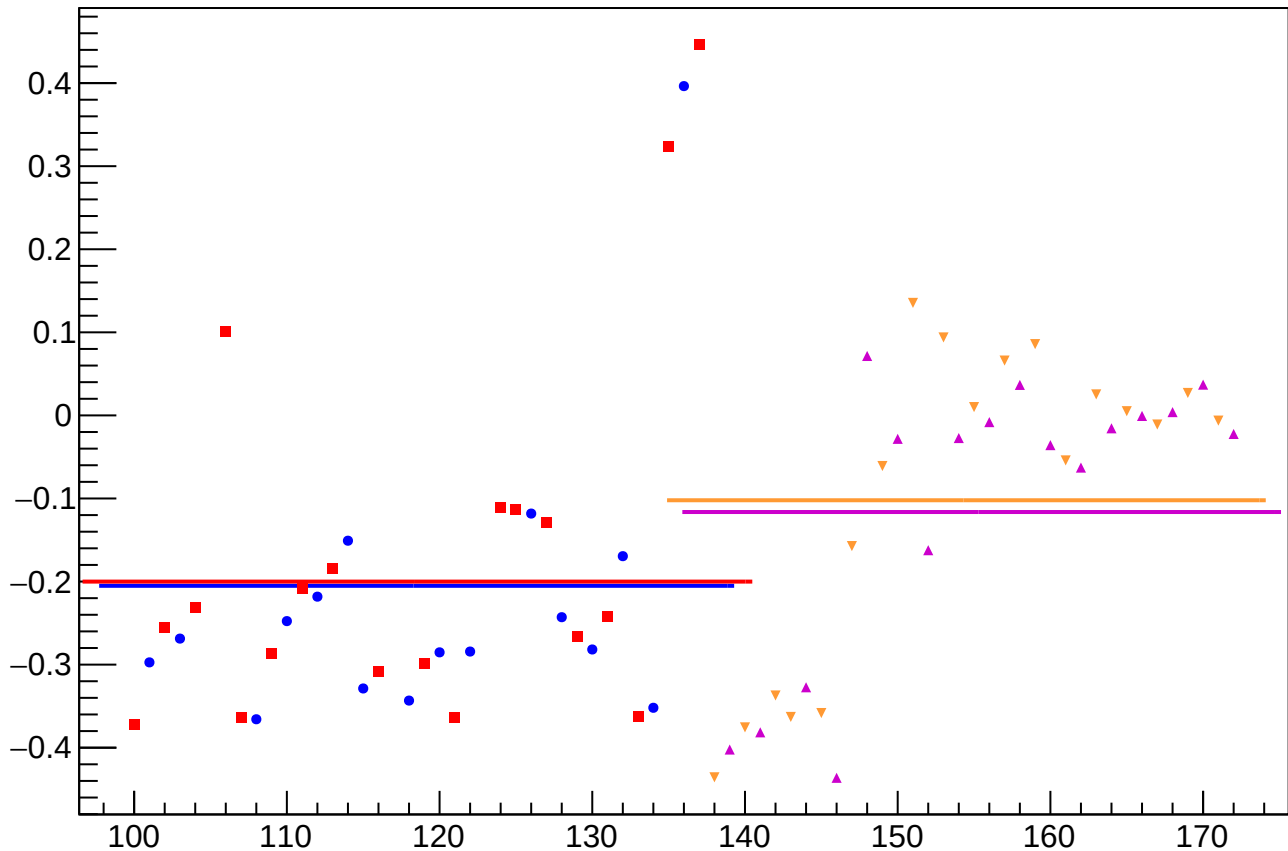
Left In: 0.005+/-0.000 χ^2/NDF : 463343.3/16

+ sign 0.005+/-0.000 χ^2/NDF : 673188.1/33

All: 0.005+/-0.000 χ^2/NDF : 1479600.9/69

- sign 0.005+/-0.000 χ^2/NDF : 800210.7/35

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

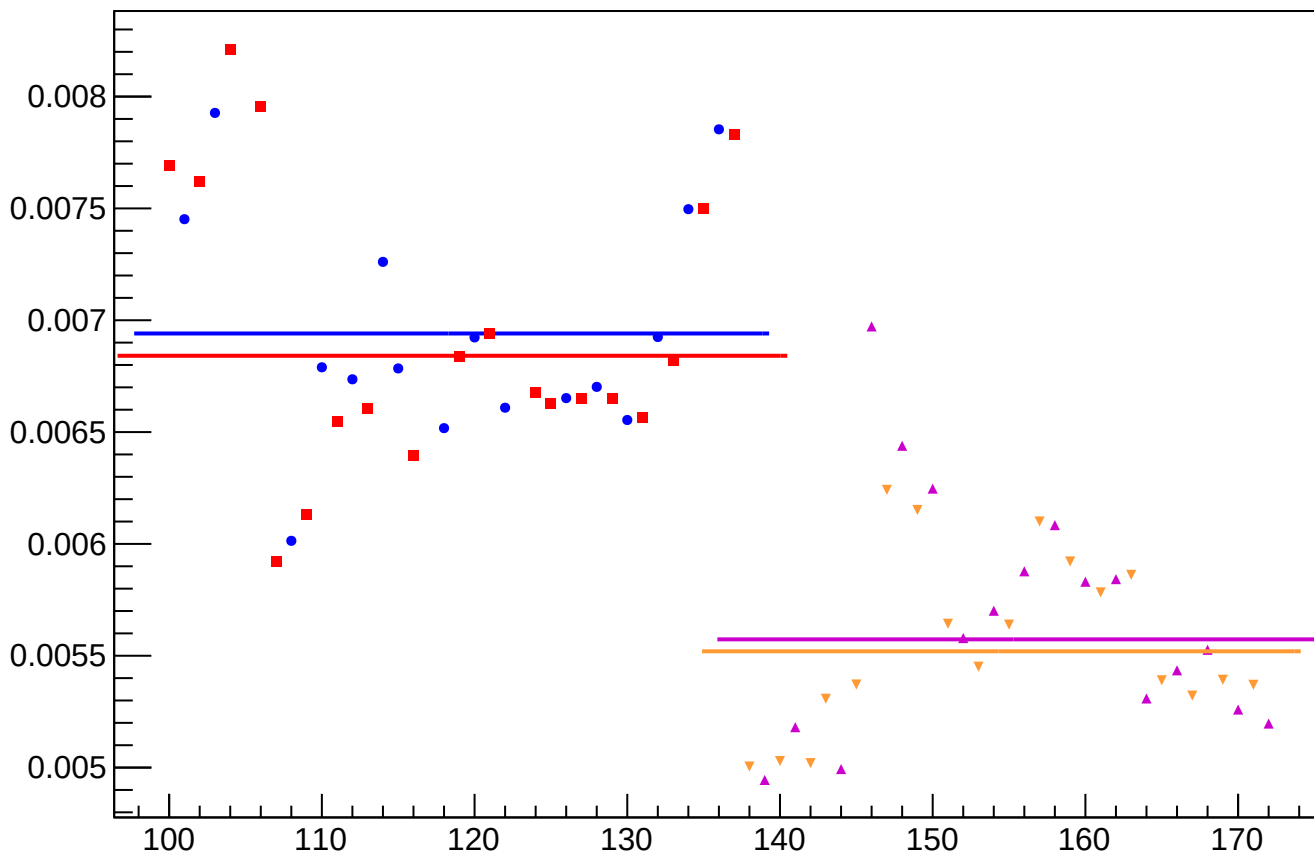
Left In: -0.116 ± 0.000 χ^2/NDF : 11853855883.7/16

+ sign -0.128 ± 0.000 χ^2/NDF : 23248100903.1/33

All: -0.133 ± 0.000 χ^2/NDF : 41177470388.1/35

- sign -0.139 ± 0.000 χ^2/NDF : 17895002115.2/35

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 85159.0/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:114903.9/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 99819.4/18

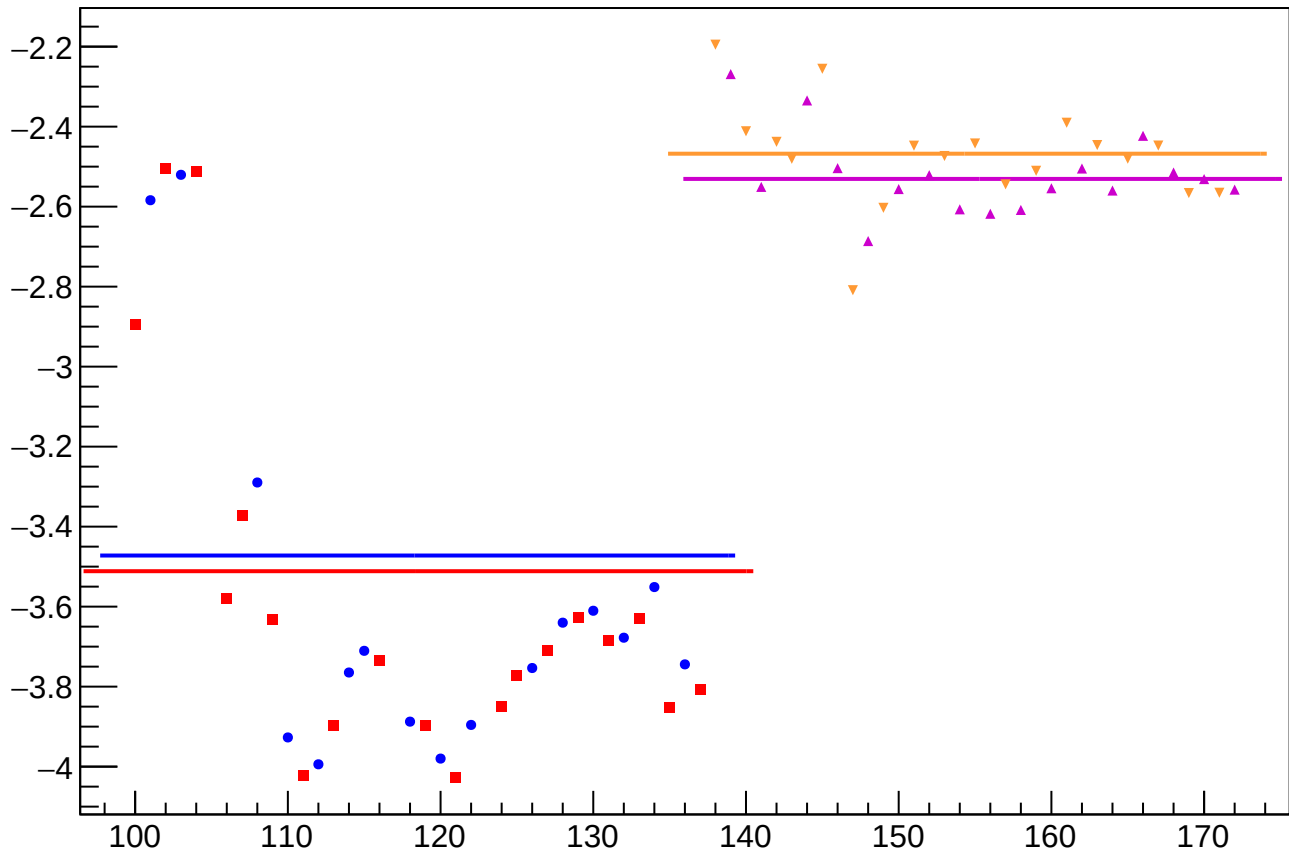
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:202245.3/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 642361.1/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1307959.7/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 664745.0/35

yield_bpm0i02Y_mean vs Slug



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

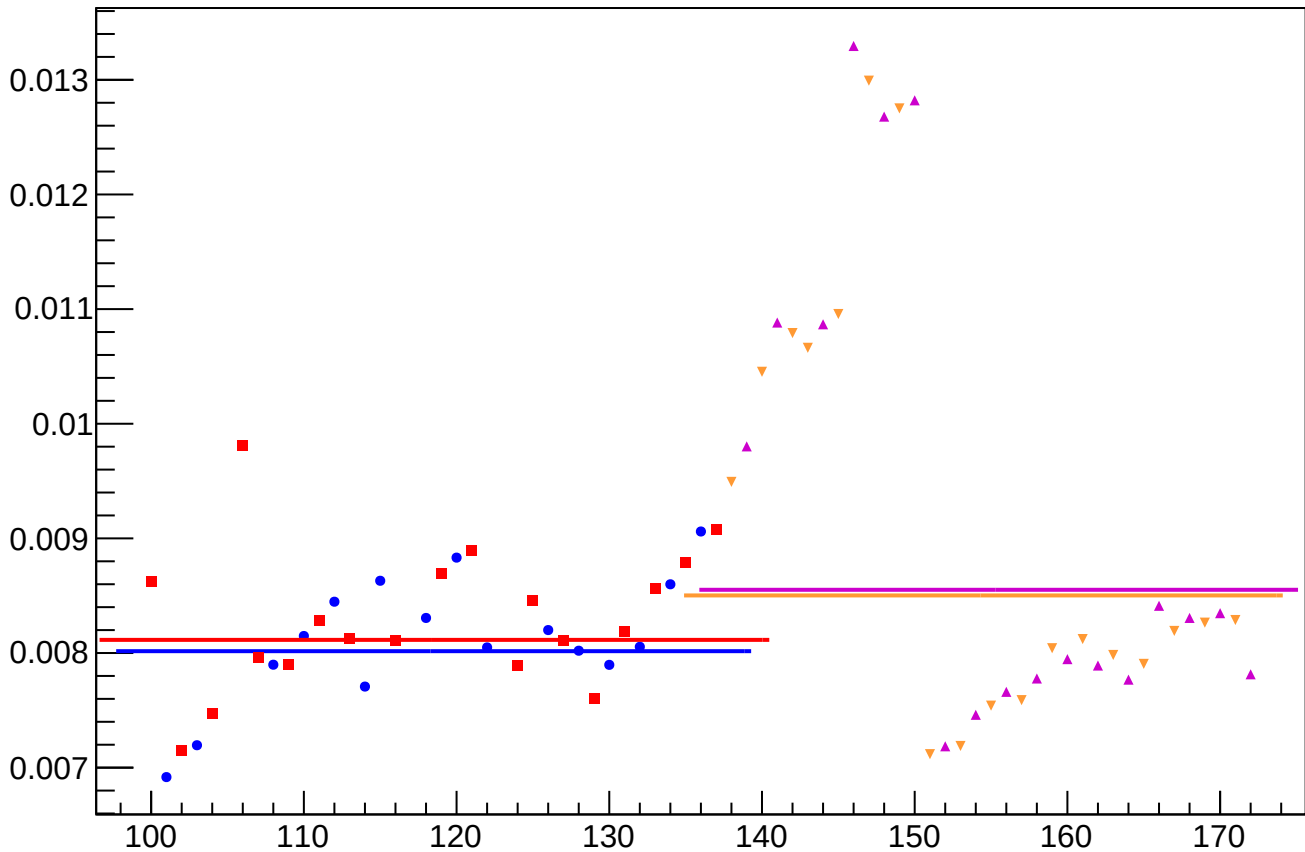
Left In: -2.531+/-0.000 χ^2/NDF :1403279670.3/16

+ sign -2.845+/-0.000 χ^2/NDF : 100028435224.9/33

All: -2.874+/-0.000 χ^2/NDF : 196028057322.0

- sign -2.904+/-0.000 χ^2/NDF : 95498013527.9/35

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

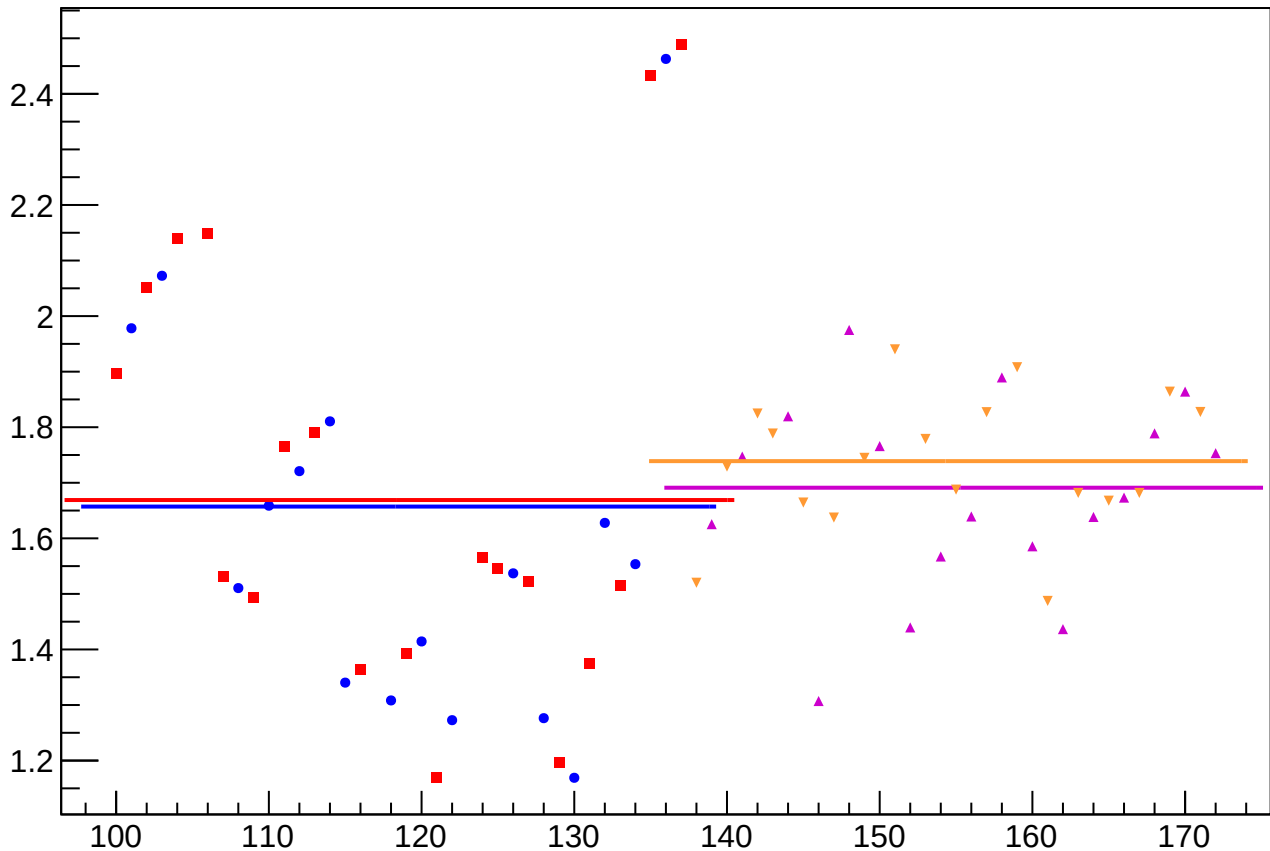
Left In: 0.009+/-0.000 χ^2/NDF : 865533.4/16

+ sign 0.008+/-0.000 χ^2/NDF : 867417.9/33

All: 0.008+/-0.000 χ^2/NDF : 1830804.7/69

- sign 0.008+/-0.000 χ^2/NDF : 962156.0/35

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

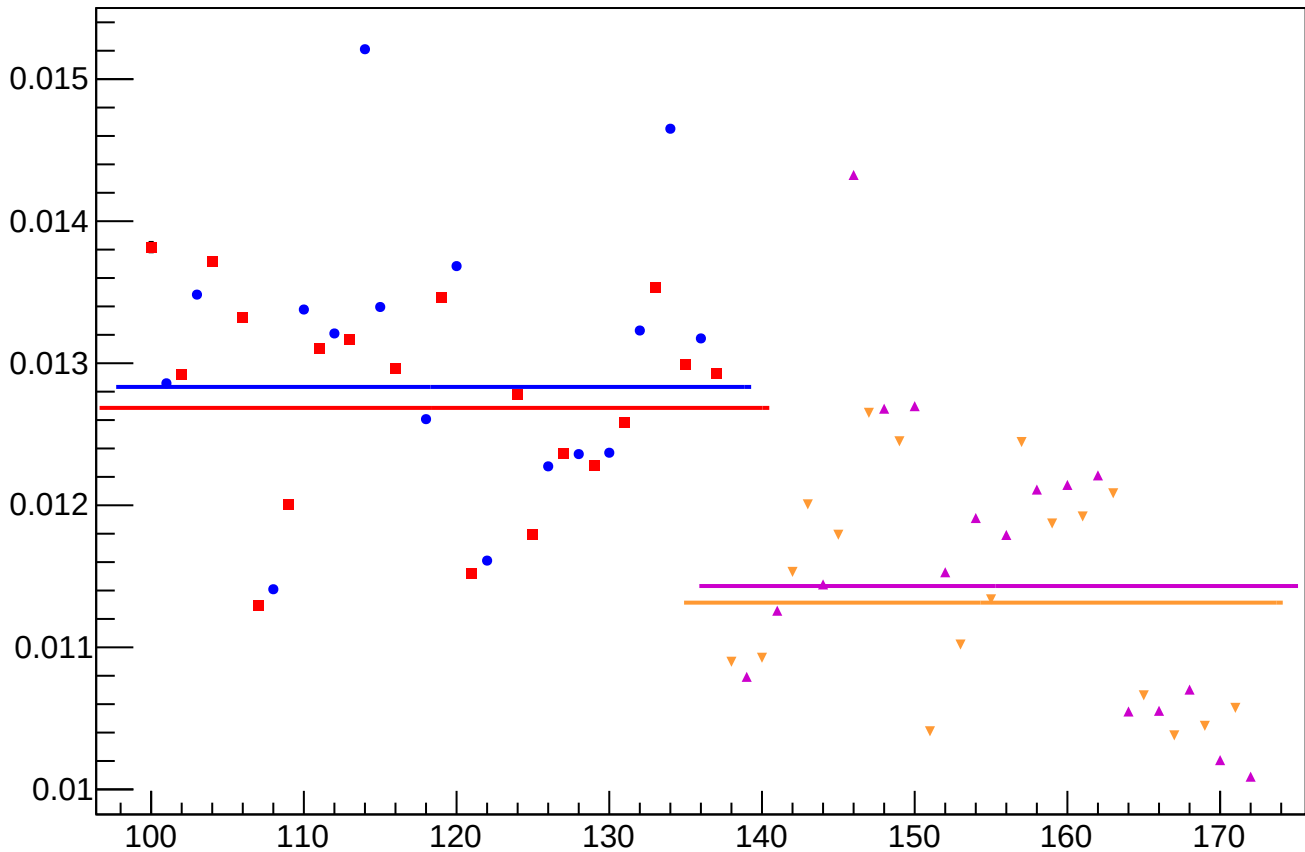
Left In: 1.691+/-0.000 χ^2/NDF : 2556662458.8/16

+ sign 1.715+/-0.000 χ^2/NDF : 8381825702.5/33

All: 1.700+/-0.000 χ^2/NDF : 17382307060.0/66

- sign 1.684+/-0.000 χ^2/NDF : 8929492551.7/35

yield_bpm0i02aX_rms vs Slug



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

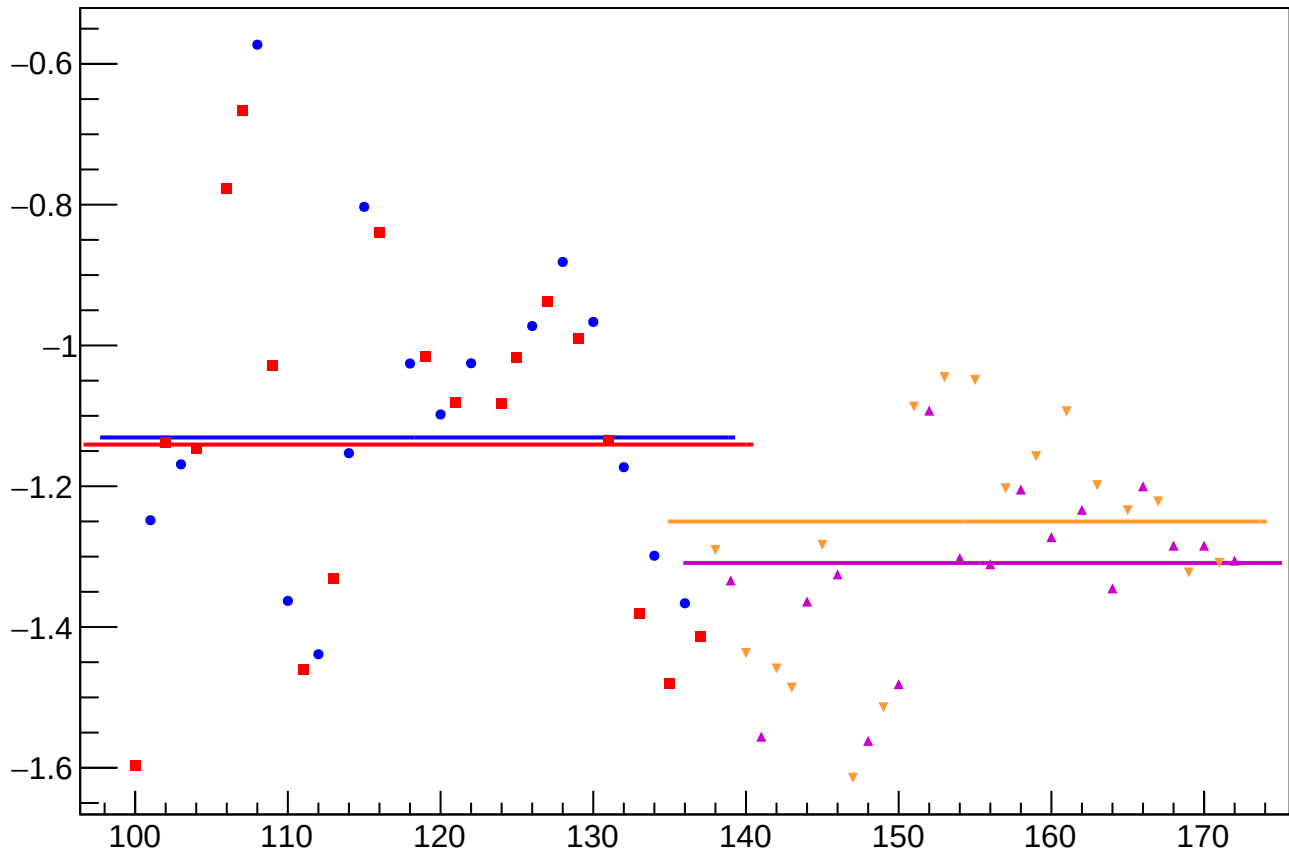
Left In: 0.011+/-0.000 χ^2/NDF : 197763.8/16

+ sign 0.012+/-0.000 χ^2/NDF : 309856.0/33

All: 0.012+/-0.000 χ^2/NDF : 649060.9/69

- sign 0.012+/-0.000 χ^2/NDF : 338568.7/35

yield_bpm0i02aY_mean vs Slug



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

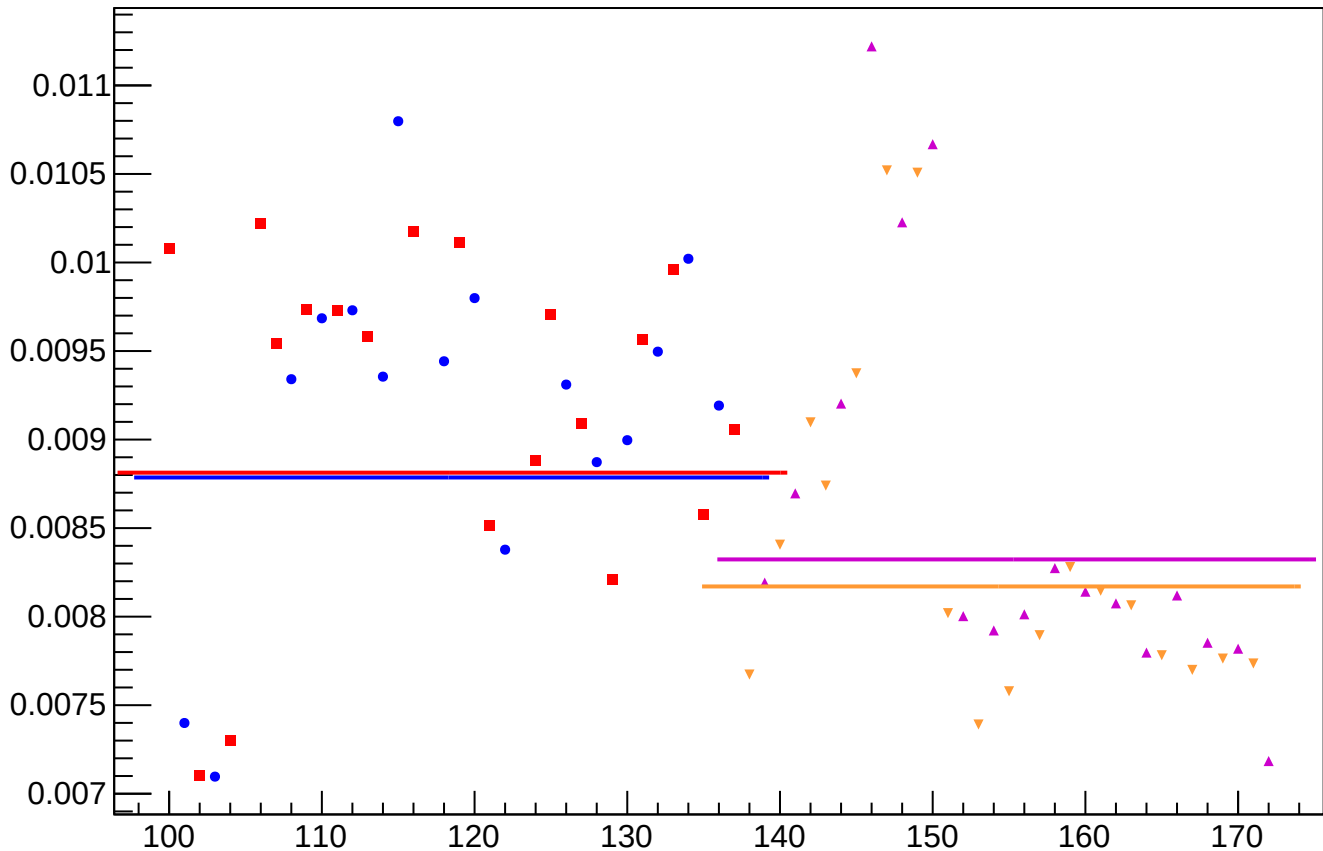
Left In: -1.309 ± 0.000 χ^2/NDF : 2283329147.3/16

+ sign -1.213 ± 0.000 χ^2/NDF : 9173427936.2/33

All: -1.234 ± 0.000 χ^2/NDF : 16955861493.3/35

- sign -1.255 ± 0.000 χ^2/NDF : 7538770964.7/35

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

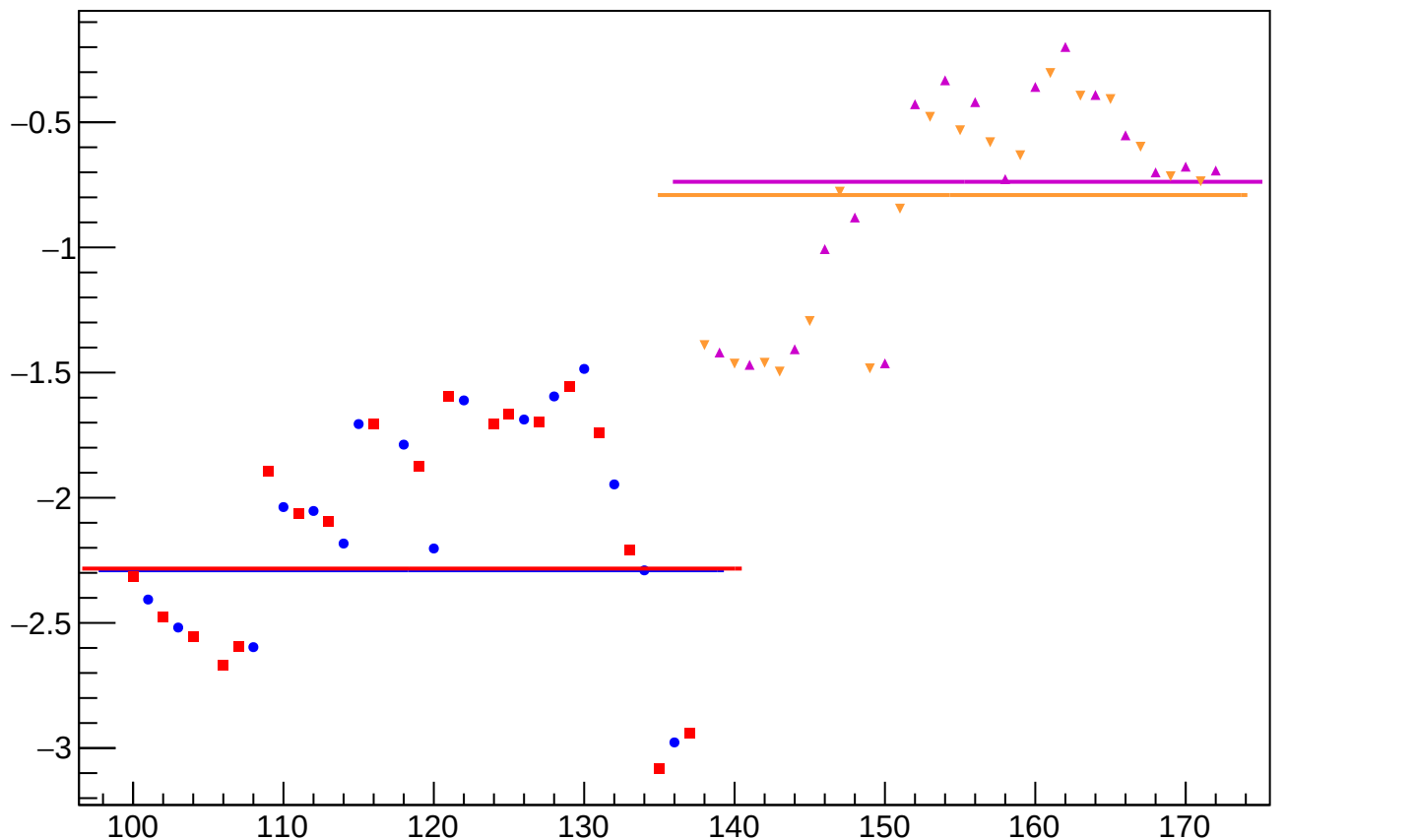
Left In: 0.008+/-0.000 χ^2/NDF :305333.3/16

+ sign 0.008+/-0.000 χ^2/NDF : 451317.5/33

All: 0.008+/-0.000 χ^2/NDF : 994163.9/69

- sign 0.008+/-0.000 χ^2/NDF : 538820.5/35

yield_bpm0i05X_mean vs Slug



Right In: -2.290 $\pm$ 0.000 χ^2 /NDF: 15222817978.4/15

Left Out: -0.791 $\pm$ 0.000 χ^2 /NDF: 32633764996.6/17

Right Out: -2.283 $\pm$ 0.000 χ^2 /NDF: 17032219519.1/18

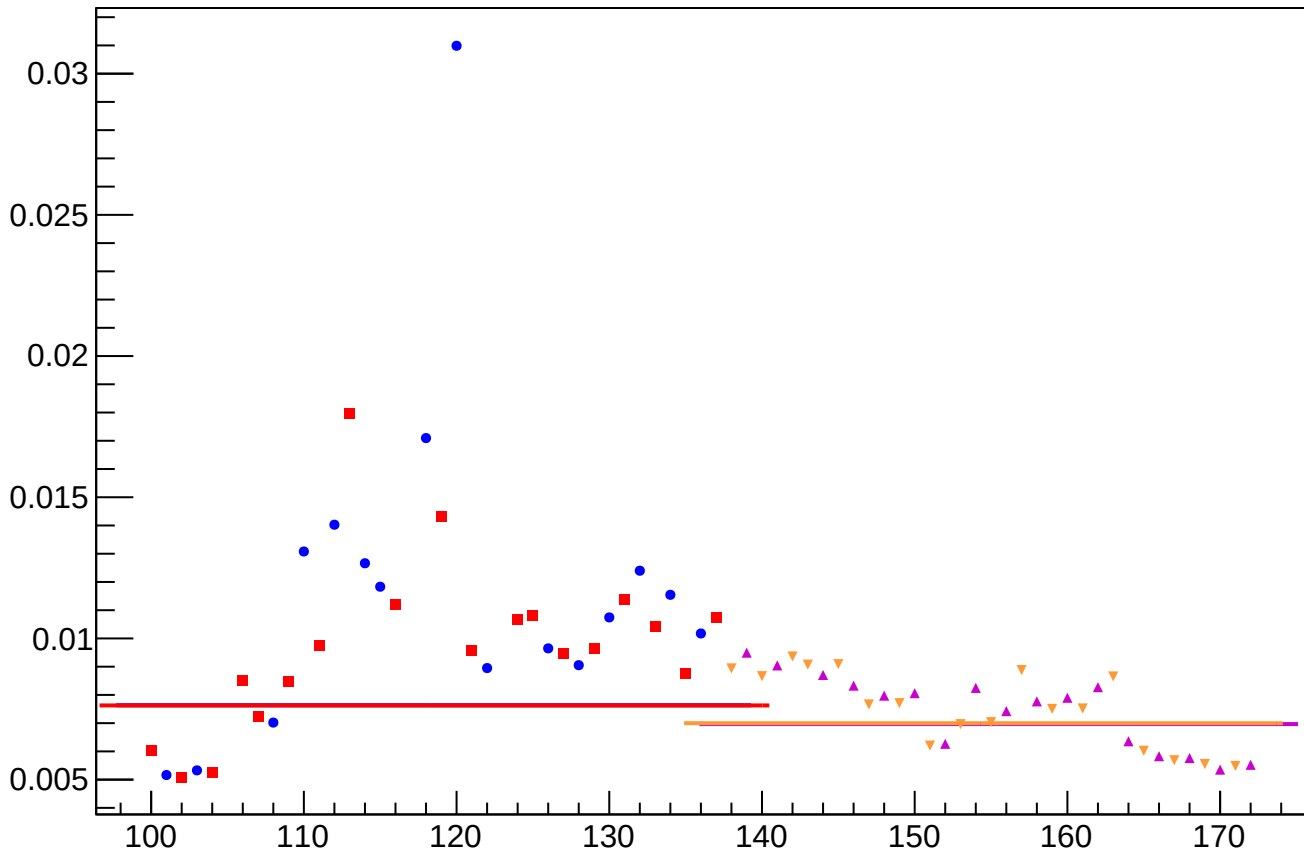
Left In: -0.738 $\pm$ 0.000 χ^2 /NDF: 32748760605.6/16

+ sign -1.184 $\pm$ 0.000 χ^2 /NDF: 192450659196.2/33

All: -1.177 $\pm$ 0.000 χ^2 /NDF: 406080368616.3

- sign -1.170 $\pm$ 0.000 χ^2 /NDF: 213597046203.3/35

yield_bpm0i05X_rms vs Slug



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

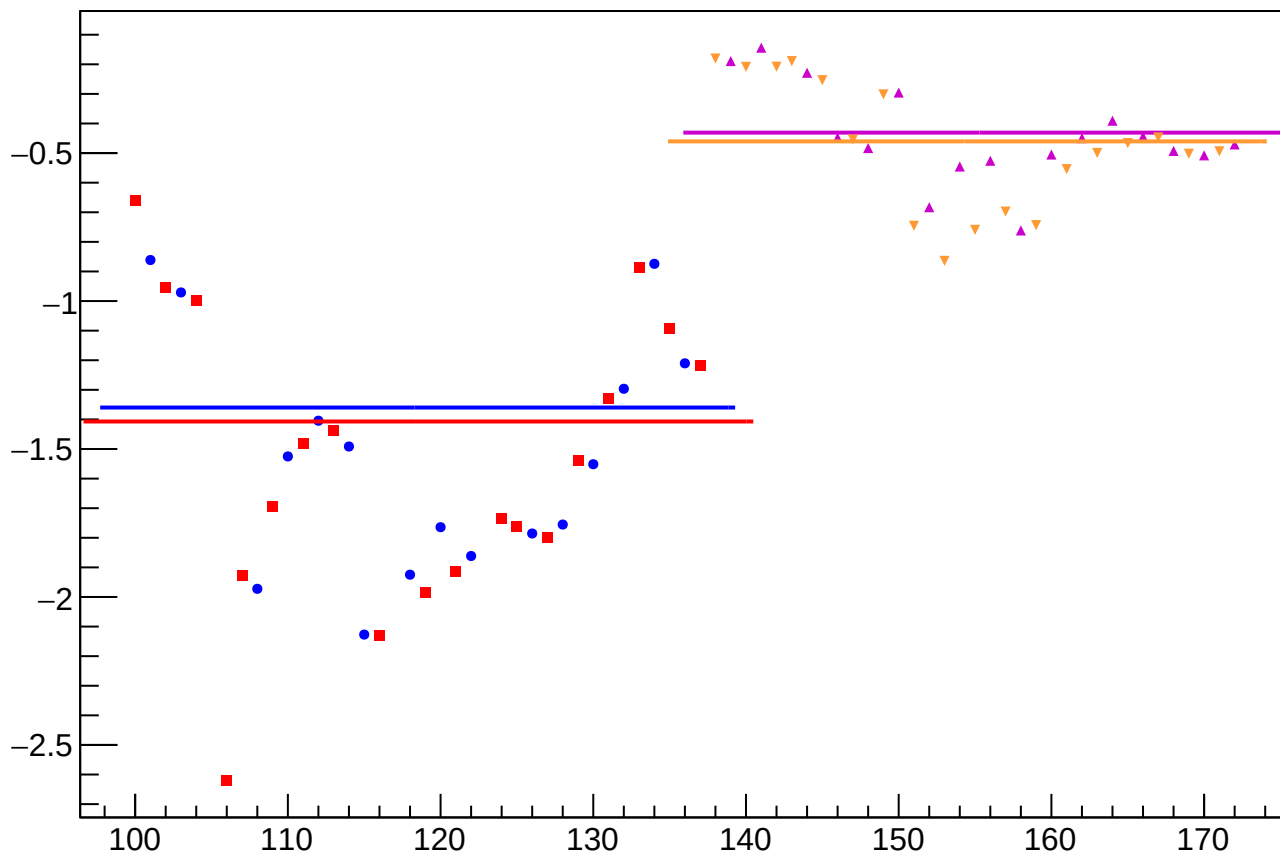
Left In: 0.007+/-0.000 χ^2/NDF :849987.2/16

+ sign 0.007+/-0.000 χ^2/NDF : 2585862.7/33

All: 0.007+/-0.000 χ^2/NDF : 4813512.7/69

- sign 0.007+/-0.000 χ^2/NDF : 2227592.3/35

yield_bpm0i05Y_mean vs Slug



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

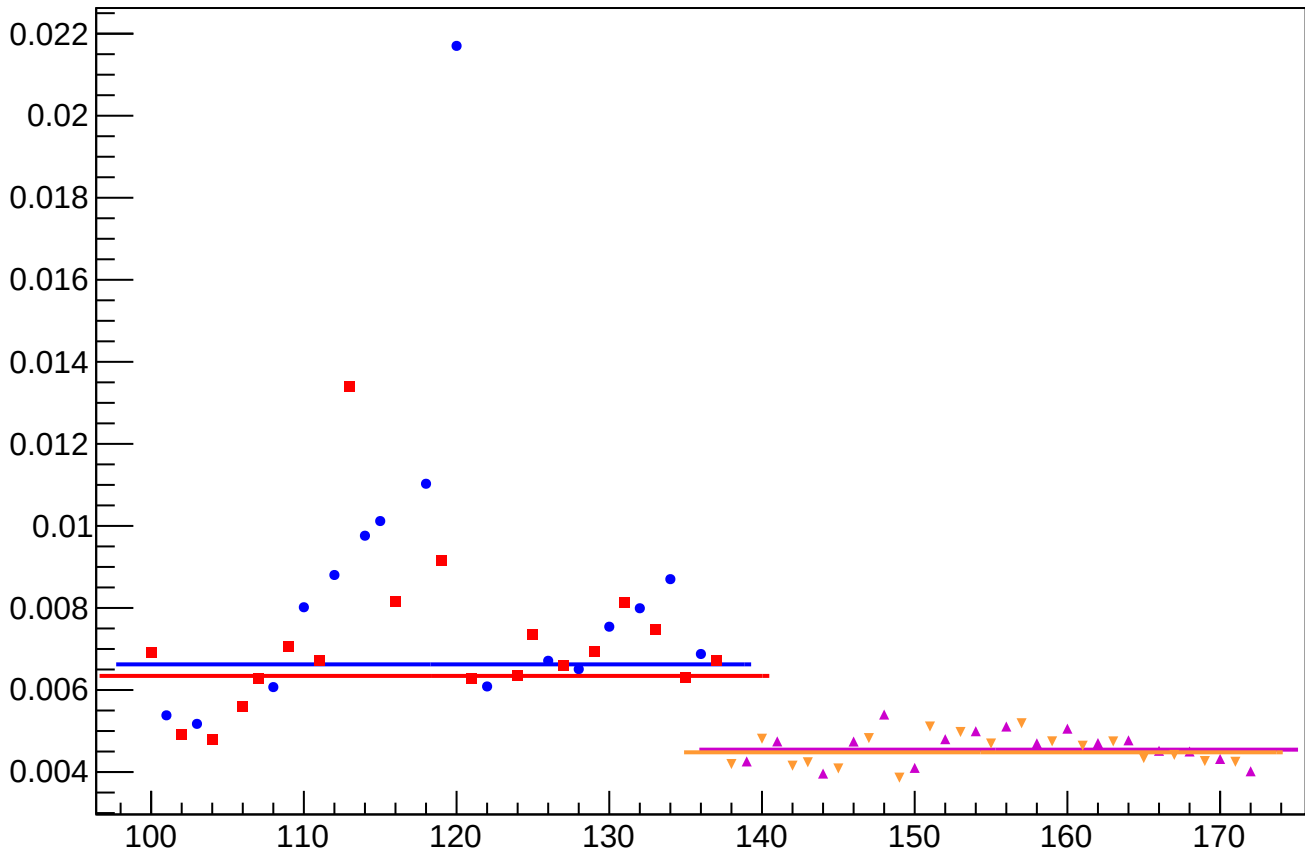
Left In: -0.431+/-0.000 χ^2/NDF : 16119856297.3/16

+ sign -0.615+/-0.000 χ^2/NDF : 137949252566.6/33

All: -0.620+/-0.000 χ^2/NDF : 299900053340.8

- sign -0.626+/-0.000 χ^2/NDF : 161900946856.1/35

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

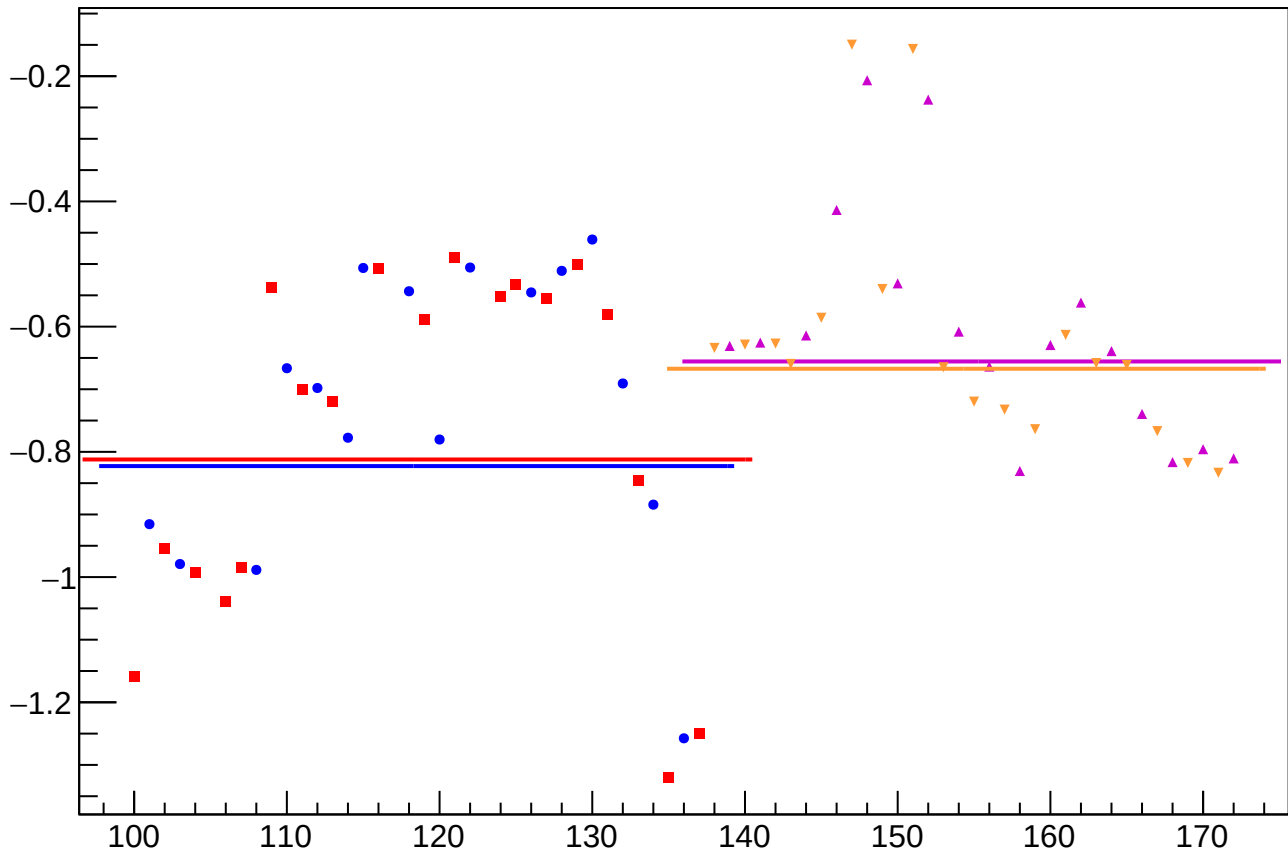
Left In: 0.005+/-0.000 χ^2/NDF :186570.4/16

+ sign 0.005+/-0.000 χ^2/NDF : 1866523.4/33

All: 0.005+/-0.000 χ^2/NDF : 3371285.0/69

- sign 0.005+/-0.000 χ^2/NDF : 1502285.8/35

yield_bpm0i07X_mean vs Slug



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

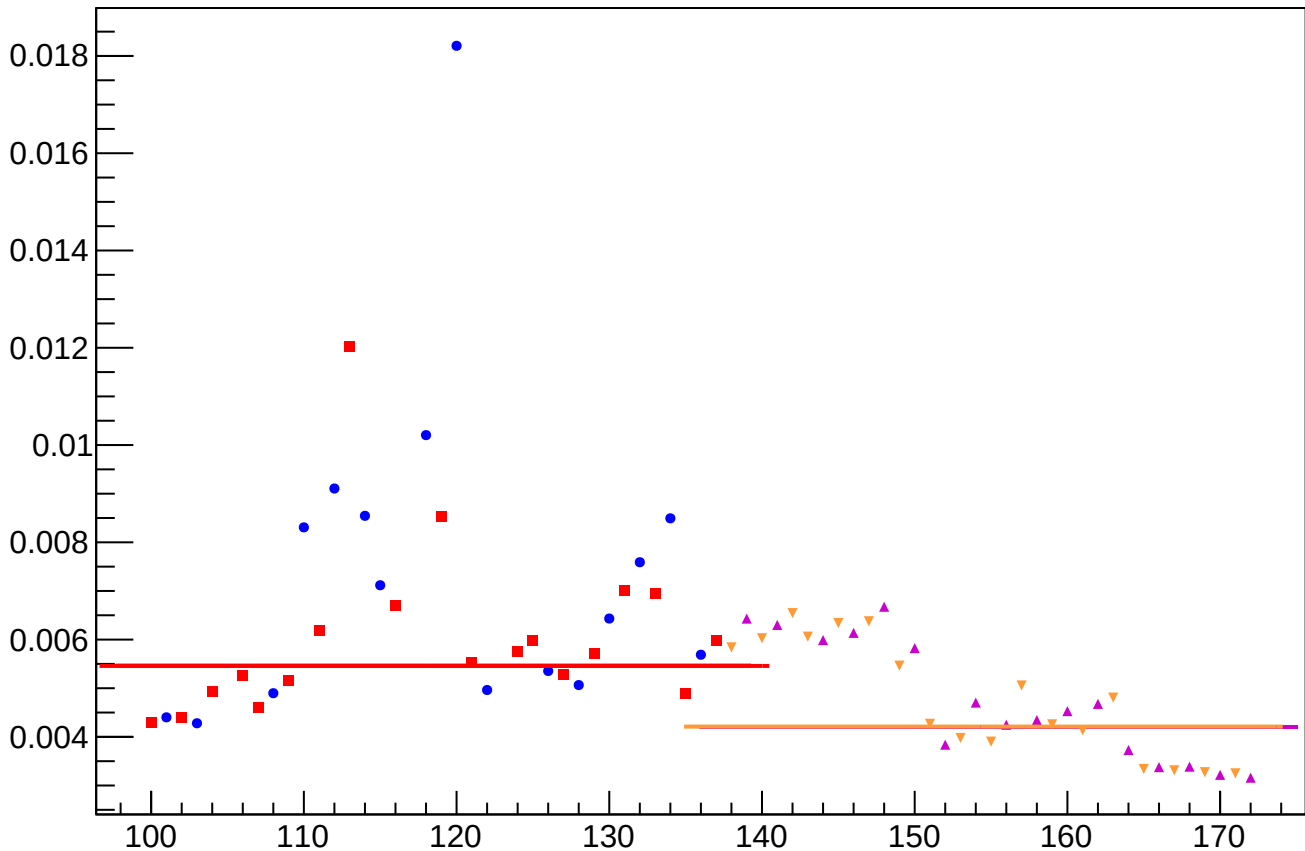
Left In: -0.656+/-0.000 χ^2/NDF : 21718170425.4/16

+ sign -0.701+/-0.000 χ^2/NDF : 36650667328.6/33

All: -0.696+/-0.000 χ^2/NDF : 77021920146.9

- sign -0.692+/-0.000 χ^2/NDF : 40337495317.1/35

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

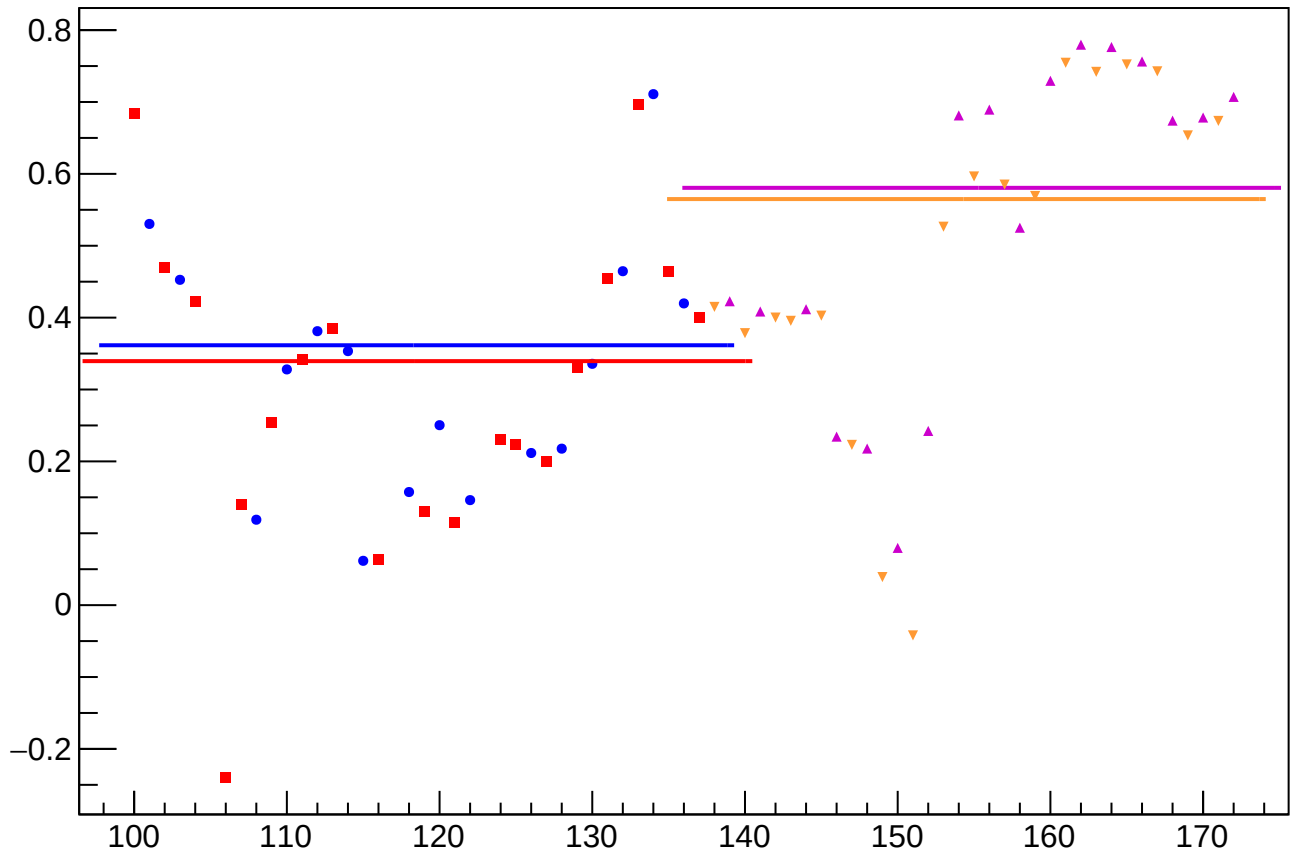
Left In: 0.004+/-0.000 χ^2/NDF :1537712.9/16

+ sign 0.004+/-0.000 χ^2/NDF : 2823504.4/33

All: 0.004+/-0.000 χ^2/NDF : 5357017.8/69

- sign 0.004+/-0.000 χ^2/NDF : 2533359.7/35

yield_bpm0i07Y_mean vs Slug



Right In: 0.362 $\pm$ 0.000 χ^2 /NDF: 8775952187.9/15

Left Out: 0.565 $\pm$ 0.000 χ^2 /NDF: 39173102195.3/17

Right Out: 0.339 $\pm$ 0.000 χ^2 /NDF: 12071802789.9/18

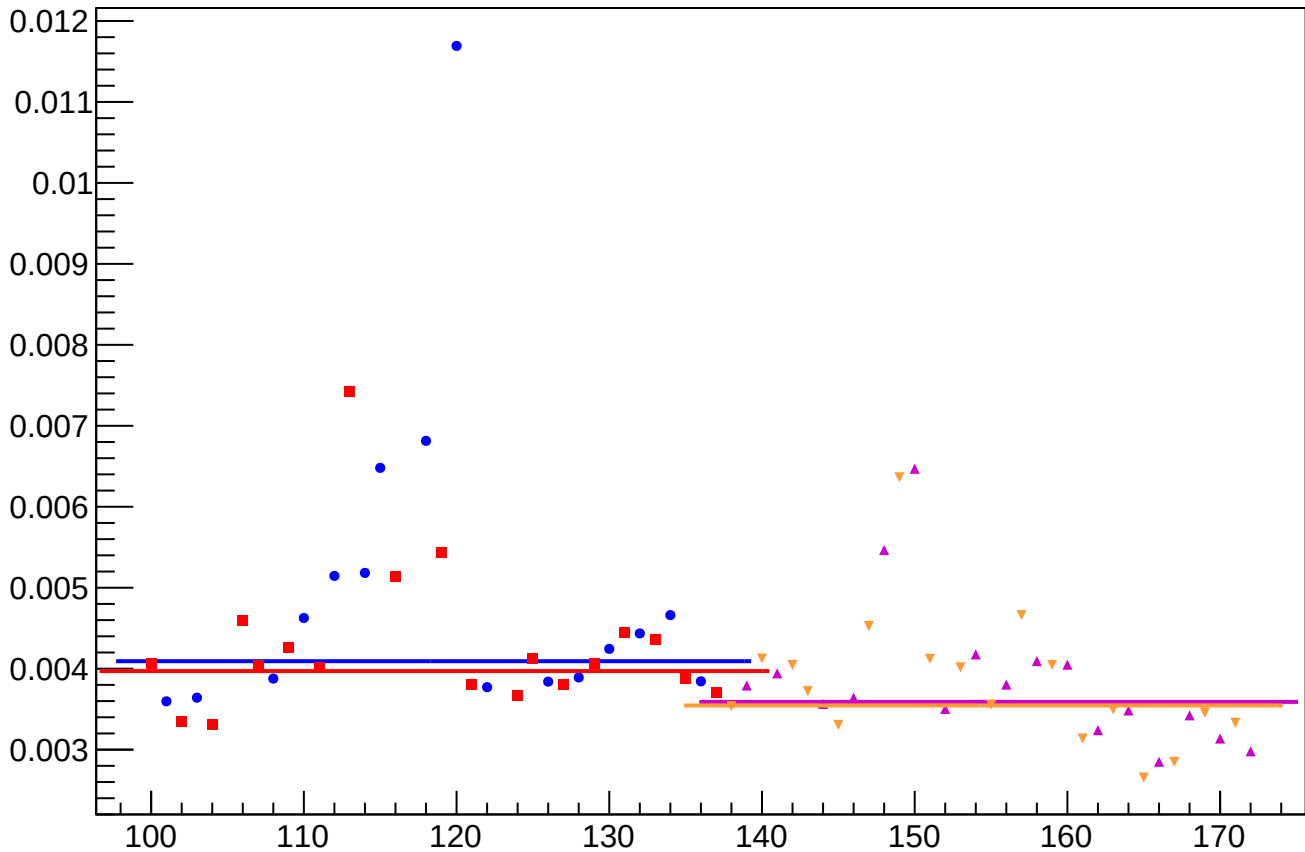
Left In: 0.581 $\pm$ 0.000 χ^2 /NDF: 34838078329.7/16

+ sign 0.506 $\pm$ 0.000 χ^2 /NDF: 58718465778.2/33

All: 0.505 $\pm$ 0.000 χ^2 /NDF: 121774069877.9

- sign 0.504 $\pm$ 0.000 χ^2 /NDF: 63052519648.3/35

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

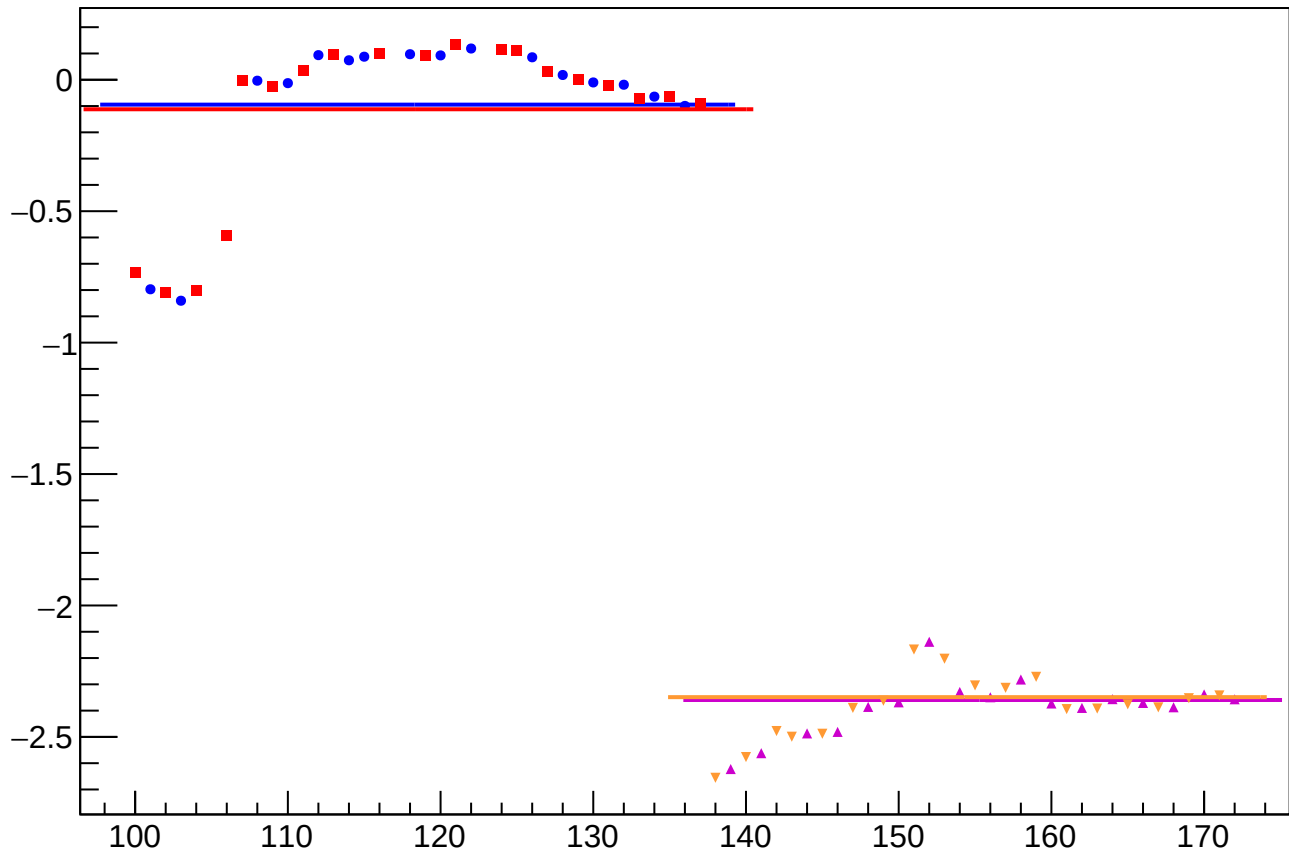
Left In: 0.004+/-0.000 χ^2/NDF : 704594.5/16

+ sign 0.004+/-0.000 χ^2/NDF : 1394931.1/33

All: 0.004+/-0.000 χ^2/NDF : 2493738.9/69

- sign 0.004+/-0.000 χ^2/NDF : 1098736.8/35

yield_bpm1i02X_mean vs Slug



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

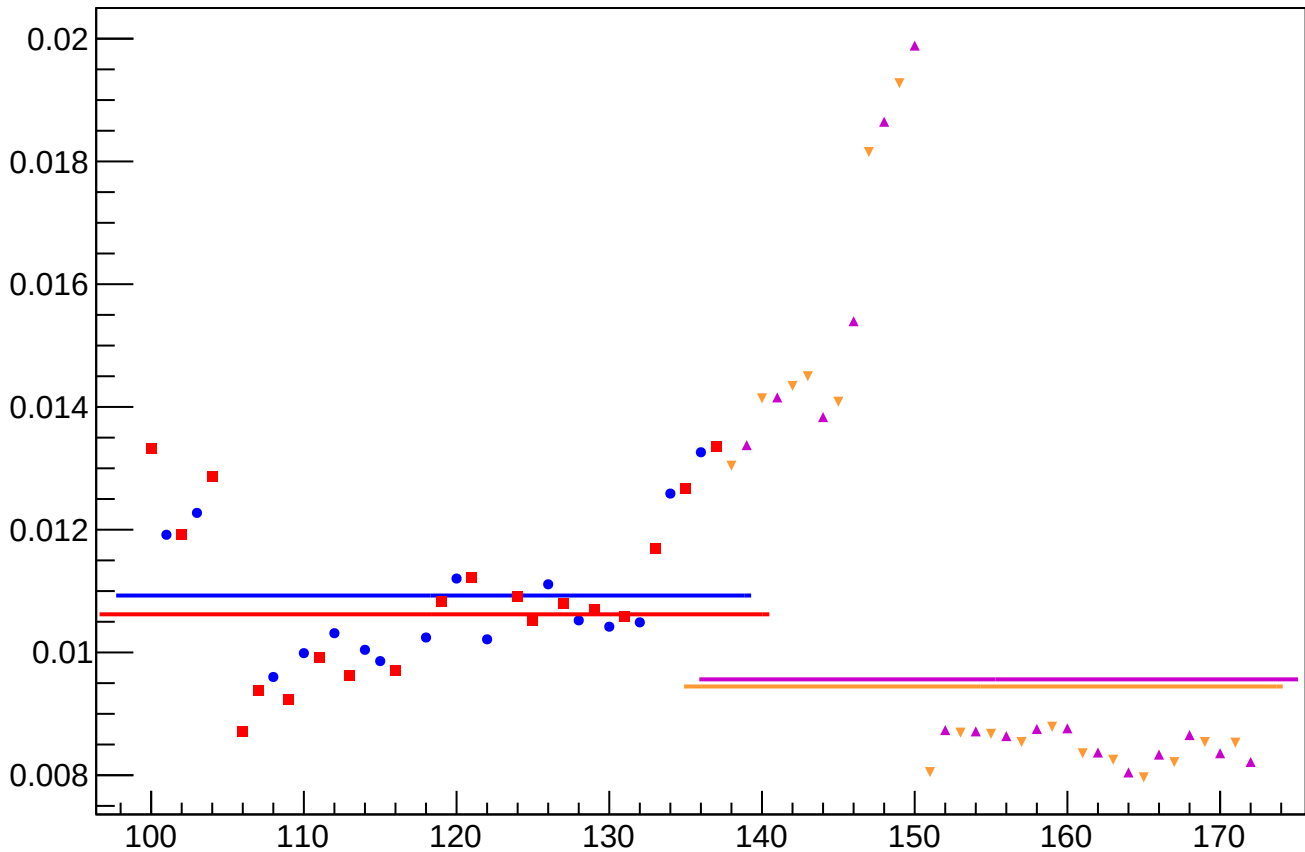
Left In: -2.360+/-0.000 χ^2/NDF : 1297157101.3/16

+ sign -1.701+/-0.000 χ^2/NDF : 223097191337.3/33

All: -1.676+/-0.000 χ^2/NDF : 456842464099.5

- sign -1.651+/-0.000 χ^2/NDF : 233492915883.1/35

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

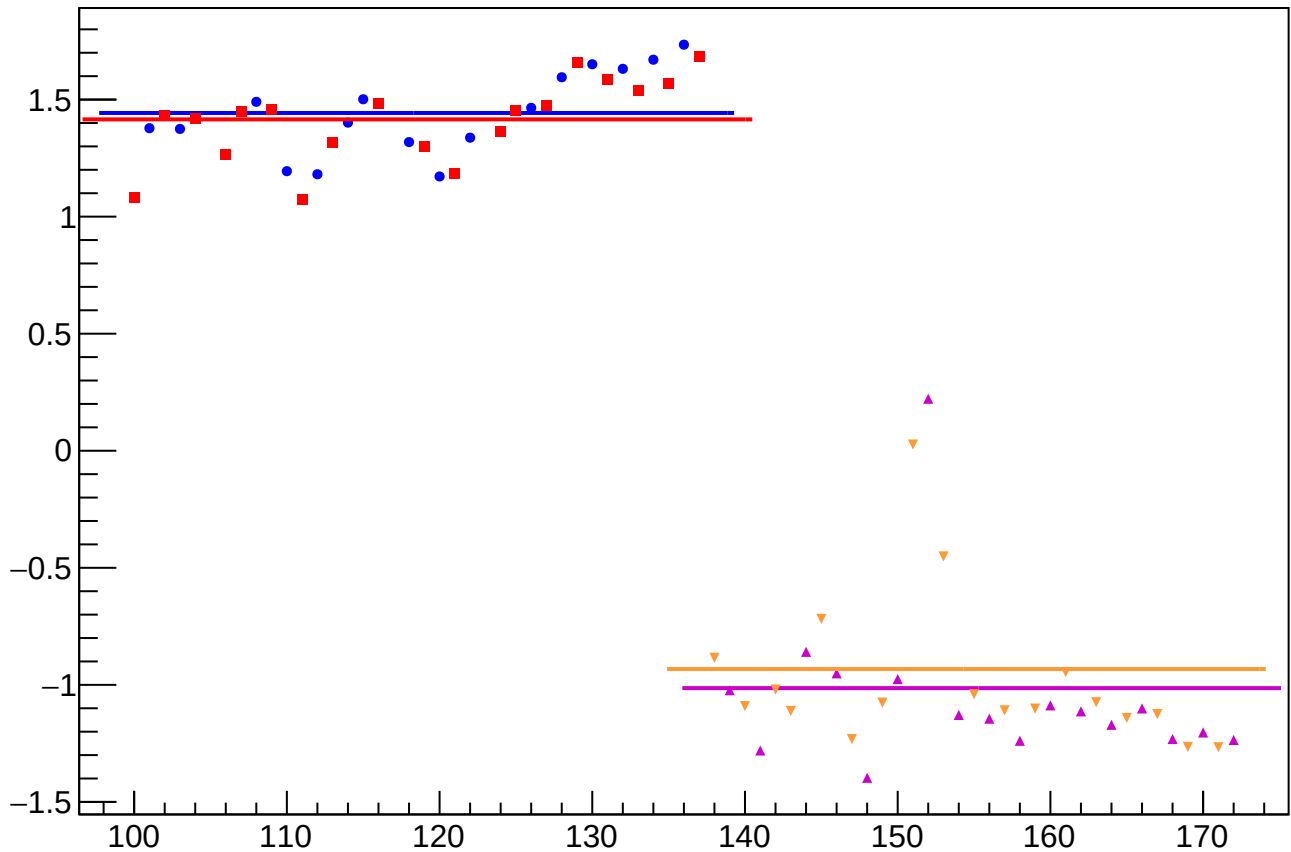
Left In: 0.010+/-0.000 χ^2/NDF :1901803.6/16

+ sign 0.010+/-0.000 χ^2/NDF : 2187633.8/33

All: 0.010+/-0.000 χ^2/NDF : 4380621.9/69

- sign 0.010+/-0.000 χ^2/NDF : 2192866.1/35

yield_bpm1i02Y_mean vs Slug



Right In: 1.443 $\pm$ 0.000 χ^2 /NDF: 3739724691.1/15

Left Out: -0.932 $\pm$ 0.000 χ^2 /NDF: 34432557471.7/17

Right Out: 1.415 $\pm$ 0.000 χ^2 /NDF: 2803466123.0/18

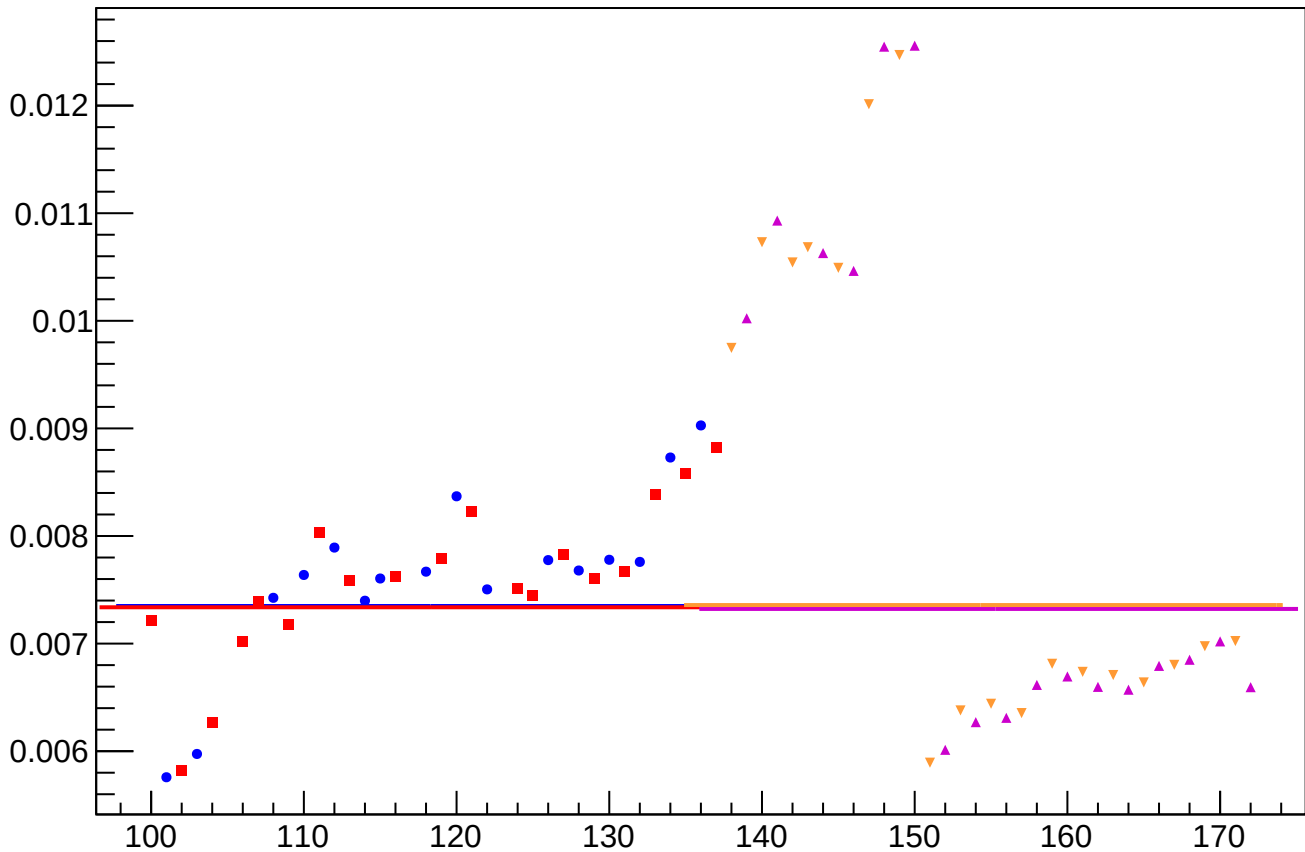
Left In: -1.014 $\pm$ 0.000 χ^2 /NDF: 42737315792.7/16

+ sign -0.111 $\pm$ 0.000 χ^2 /NDF: 520984469999.2/33

All: -0.128 $\pm$ 0.000 χ^2 /NDF: 1085880534415

- sign -0.145 $\pm$ 0.000 χ^2 /NDF: 564675651563.1/35

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

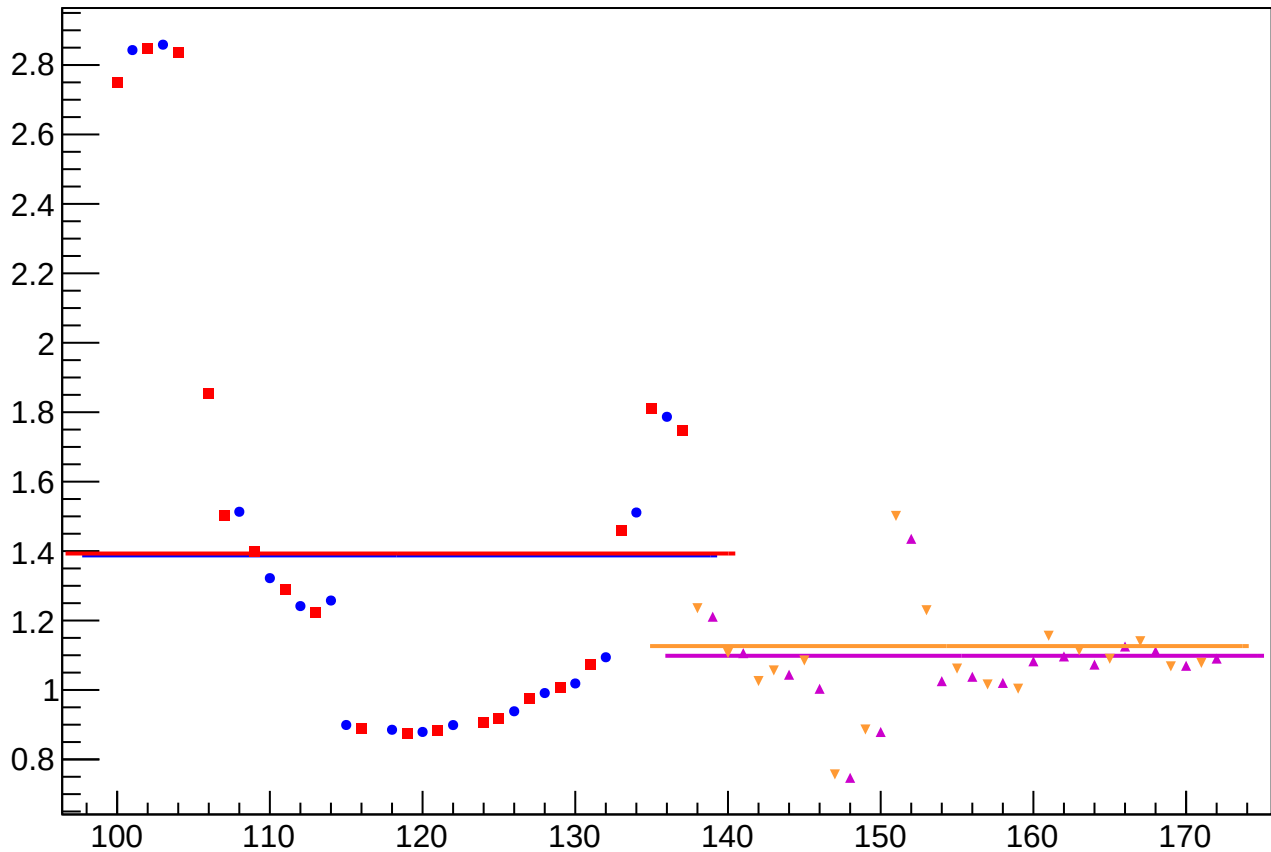
Left In: 0.007+/-0.000 χ^2/NDF :1529969.2/16

+ sign 0.007+/-0.000 χ^2/NDF : 1728046.9/33

All: 0.007+/-0.000 χ^2/NDF : 3453718.1/69

- sign 0.007+/-0.000 χ^2/NDF : 1725383.3/35

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

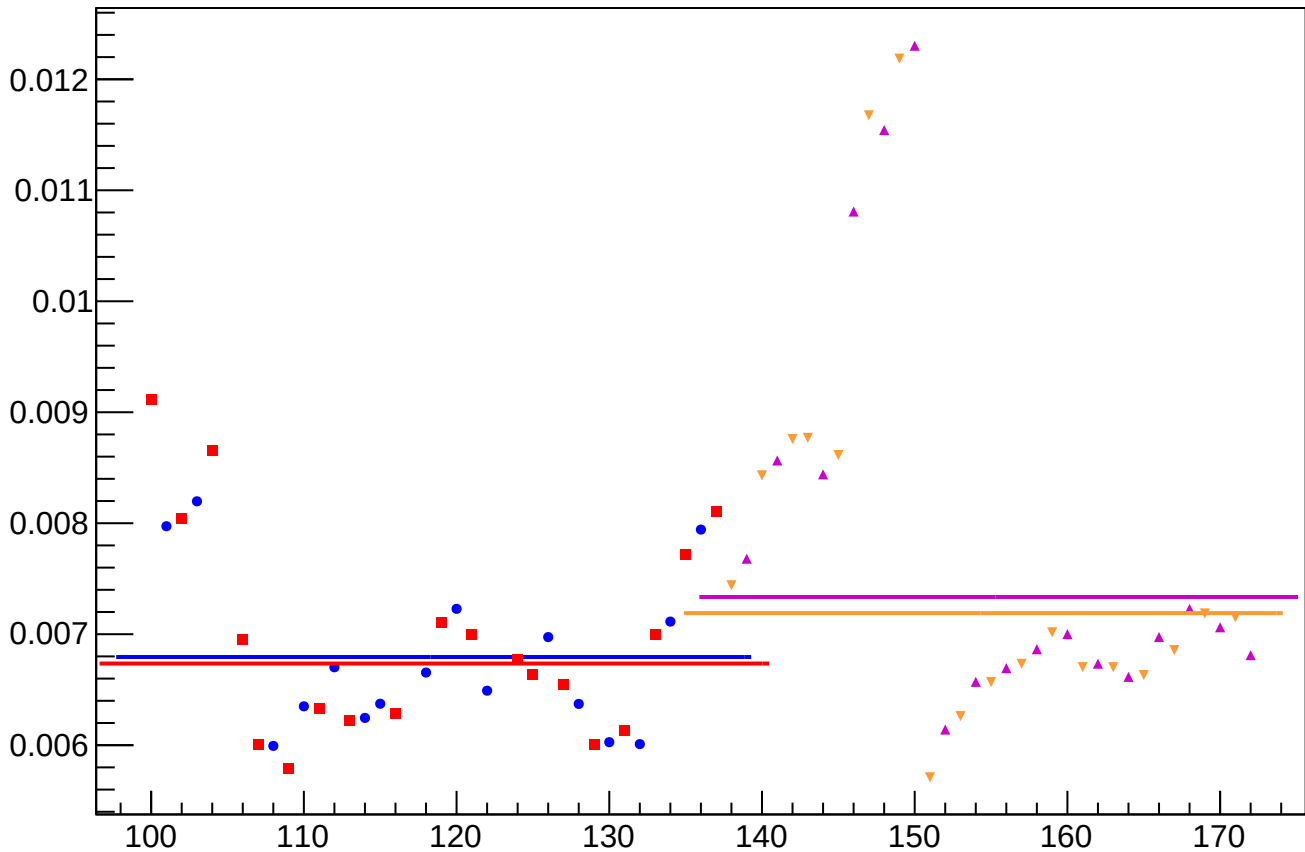
Left In: 1.098+/-0.000 χ^2/NDF : 4179841330.3/16

+ sign 1.224+/-0.000 χ^2/NDF : 70646978797.6/33

All: 1.220+/-0.000 χ^2/NDF : 138690784846.2

- sign 1.215+/-0.000 χ^2/NDF : 68029536403.2/35

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 164456.7/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 825022.8/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 198492.7/18

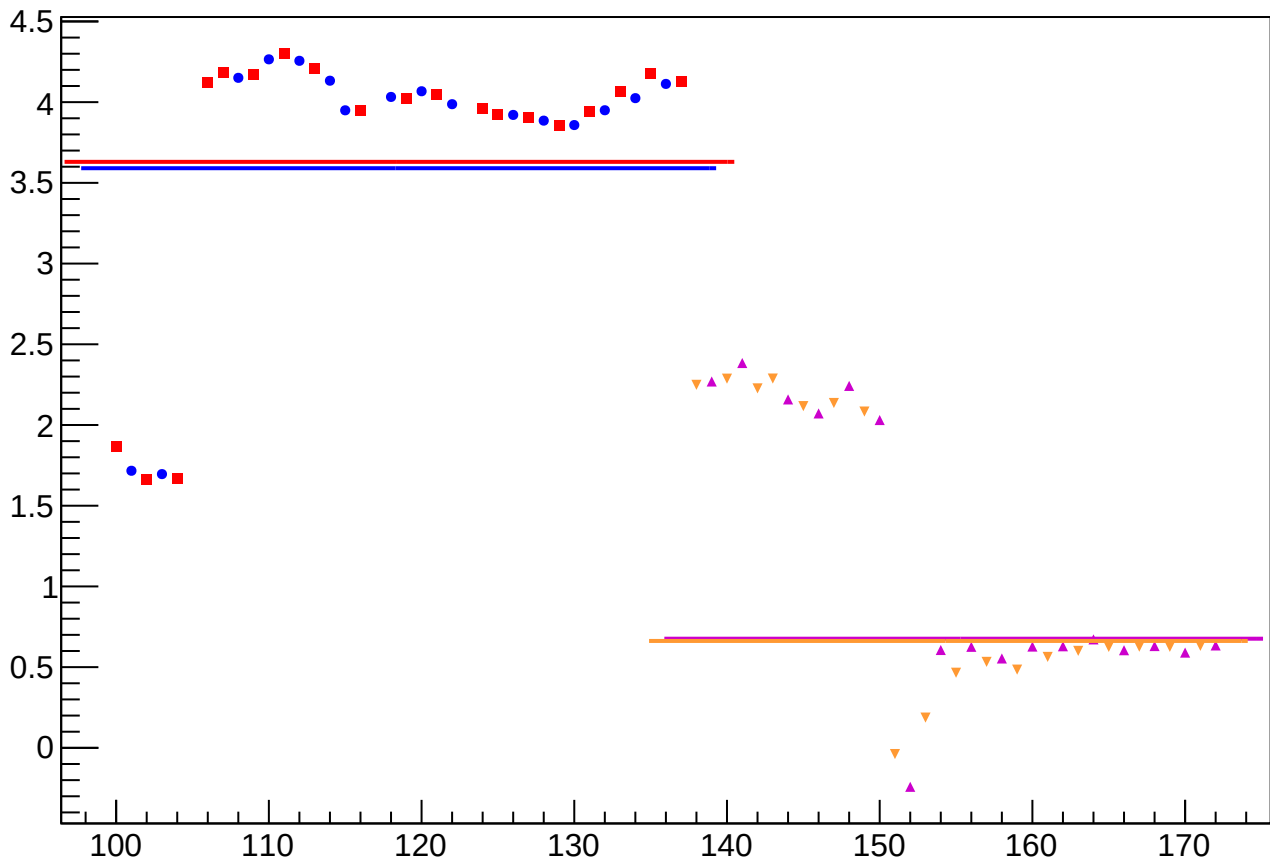
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 870172.1/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1019719.1/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2159927.1/69

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1138983.8/35

yield_bpm1i04Y_mean vs Slug



Right In: 3.591 $\pm$ 0.000 χ^2 /NDF: 202184644473.7/15

Left Out: 0.662 $\pm$ 0.000 χ^2 /NDF: 244332583178.5/17

Right Out: 3.630 $\pm$ 0.000 χ^2 /NDF: 212588390342.3/18

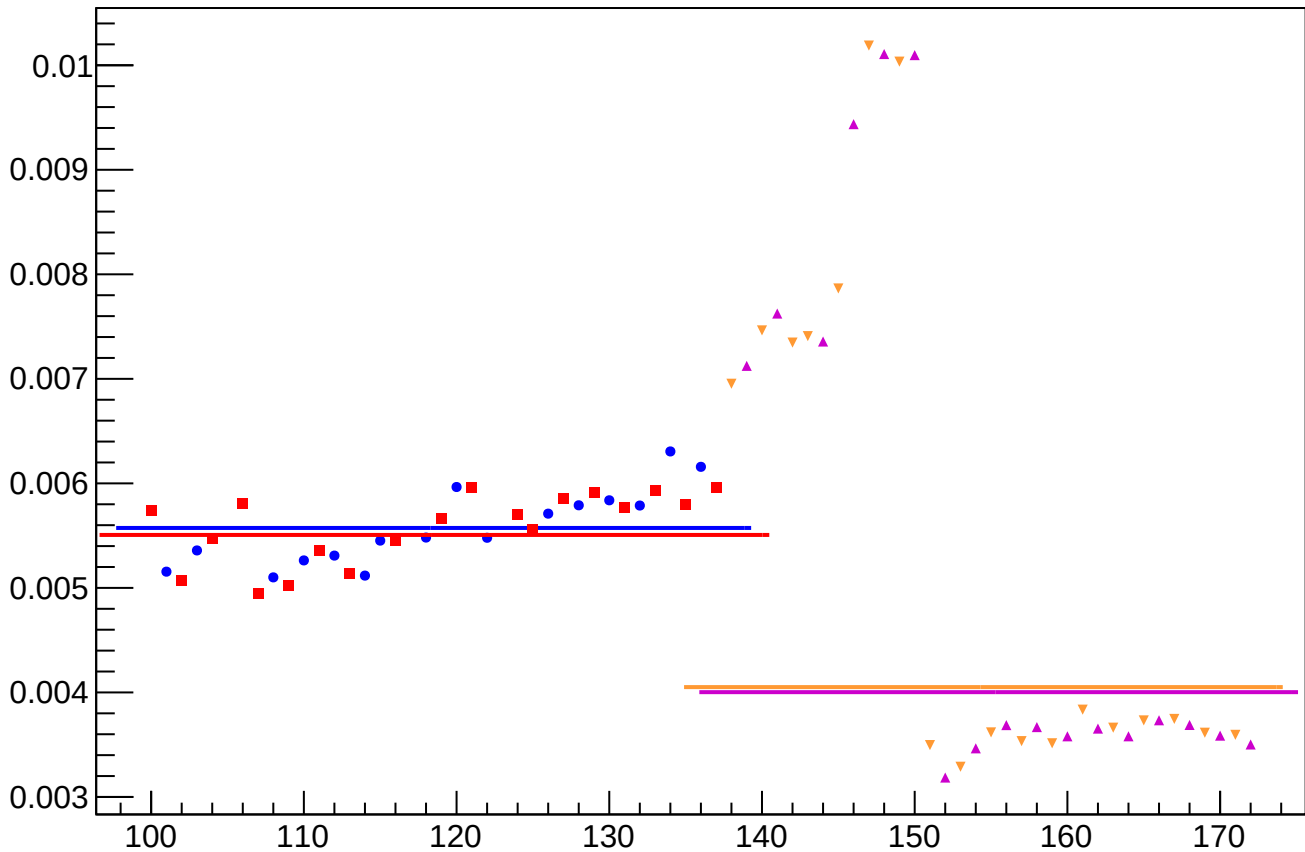
Left In: 0.676 $\pm$ 0.000 χ^2 /NDF: 243112341586.1/16

+ sign 1.356 $\pm$ 0.000 χ^2 /NDF: 1956041213768.6/33

All: 1.375 $\pm$ 0.000 χ^2 /NDF: 4002949042513.0

- sign 1.394 $\pm$ 0.000 χ^2 /NDF: 2046211197573.9/35

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

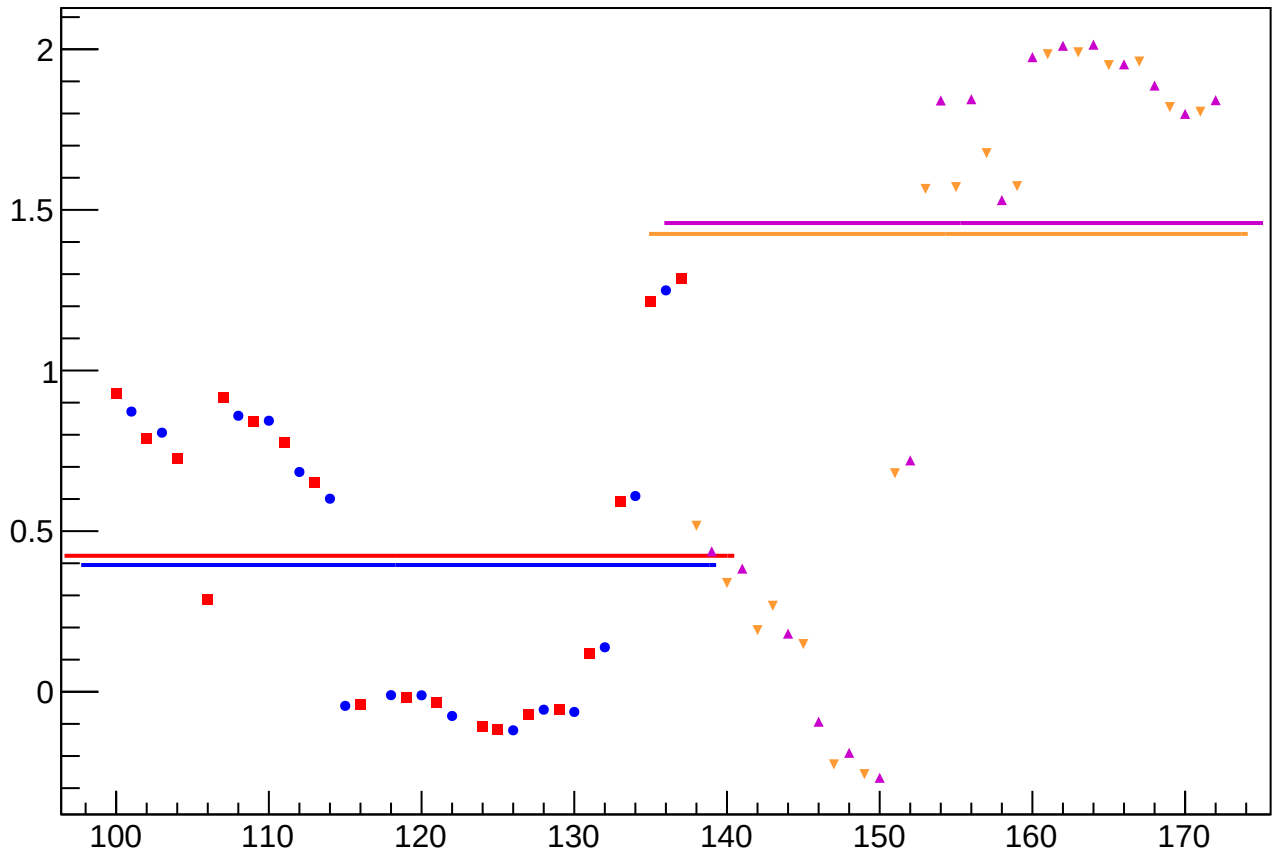
Left In: 0.004+/-0.000 χ^2/NDF : 3049575.9/16

+ sign 0.004+/-0.000 χ^2/NDF : 3715446.6/33

All: 0.004+/-0.000 χ^2/NDF : 7649022.2/69

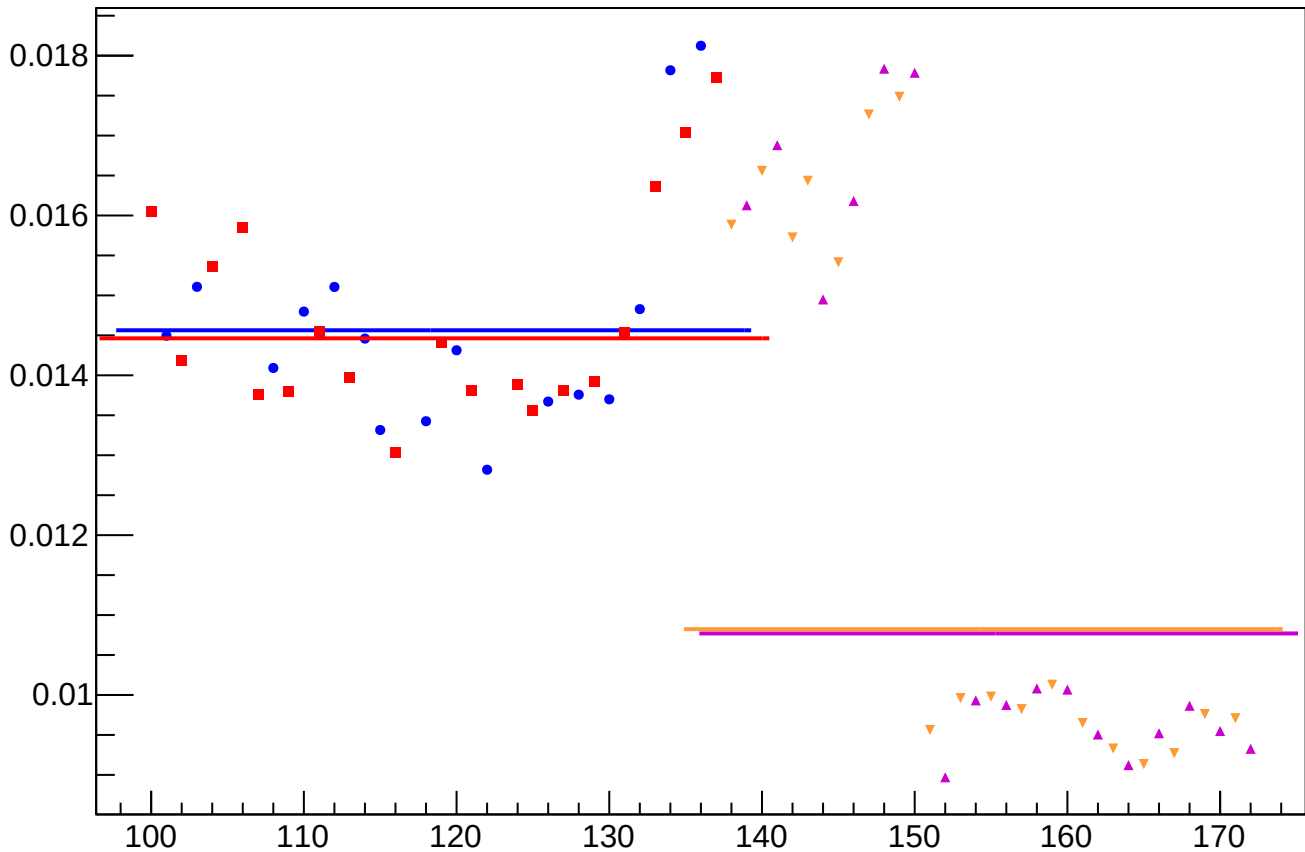
- sign 0.004+/-0.000 χ^2/NDF : 3931699.5/35

yield_bpm1i06X_mean vs Slug



Right In: 0.395+/-0.000	χ^2/NDF : 7412548044.8/15	+ sign 1.190+/-0.000	χ^2/NDF : 86981854554.5/33
Left Out: 1.425+/-0.000	χ^2/NDF : 52131466970.6/17	All: 1.203+/-0.000	χ^2/NDF : 180277251634.8
Right Out: 0.423+/-0.000	χ^2/NDF : 6904060515.1/18	- sign 1.215+/-0.000	χ^2/NDF : 93250895084.0/35
Left In: 1.459+/-0.000	χ^2/NDF : 57795483390.4/16		

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

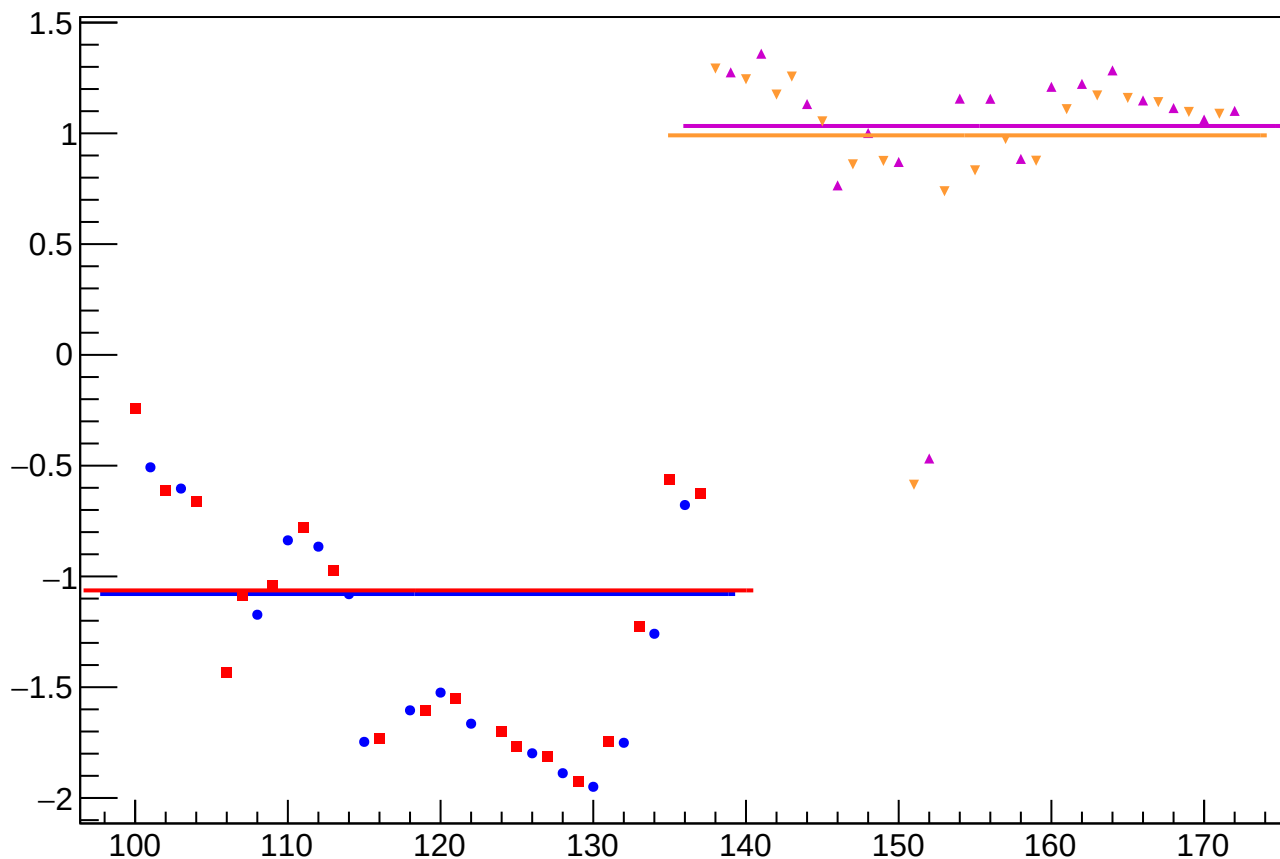
Left In: 0.011+/-0.000 χ^2/NDF :1560654.4/16

+ sign 0.012+/-0.000 χ^2/NDF : 2358809.3/33

All: 0.012+/-0.000 χ^2/NDF : 4722969.0/69

- sign 0.012+/-0.000 χ^2/NDF : 2363975.9/35

yield_bpm1i06Y_mean vs Slug



Right In: -1.079 ± 0.000 $\chi^2/\text{NDF}: 59756571764.5/15$

Left Out: 0.991 ± 0.000 $\chi^2/\text{NDF}: 109525576674.5/17$

Right Out: -1.063 ± 0.000 $\chi^2/\text{NDF}: 49910403943.5/18$

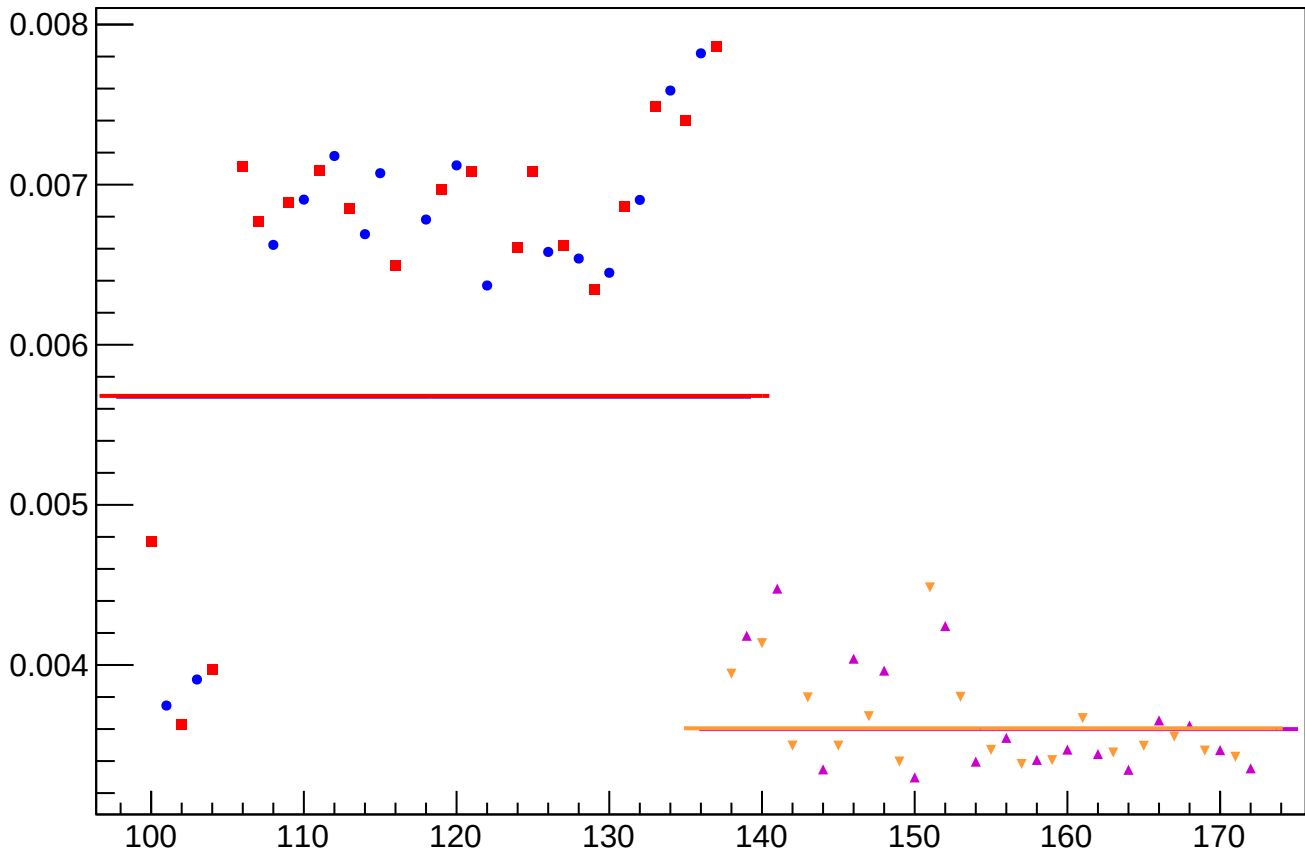
Left In: 1.033 ± 0.000 $\chi^2/\text{NDF}: 125161736803.7/16$

+ sign 0.647 ± 0.000 $\chi^2/\text{NDF}: 875592795758.3/33$

All: 0.661 ± 0.000 $\chi^2/\text{NDF}: 1779530882180.$

- sign 0.676 ± 0.000 $\chi^2/\text{NDF}: 903448459572.7/35$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 944822.9/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:131112.1/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 980583.9/18

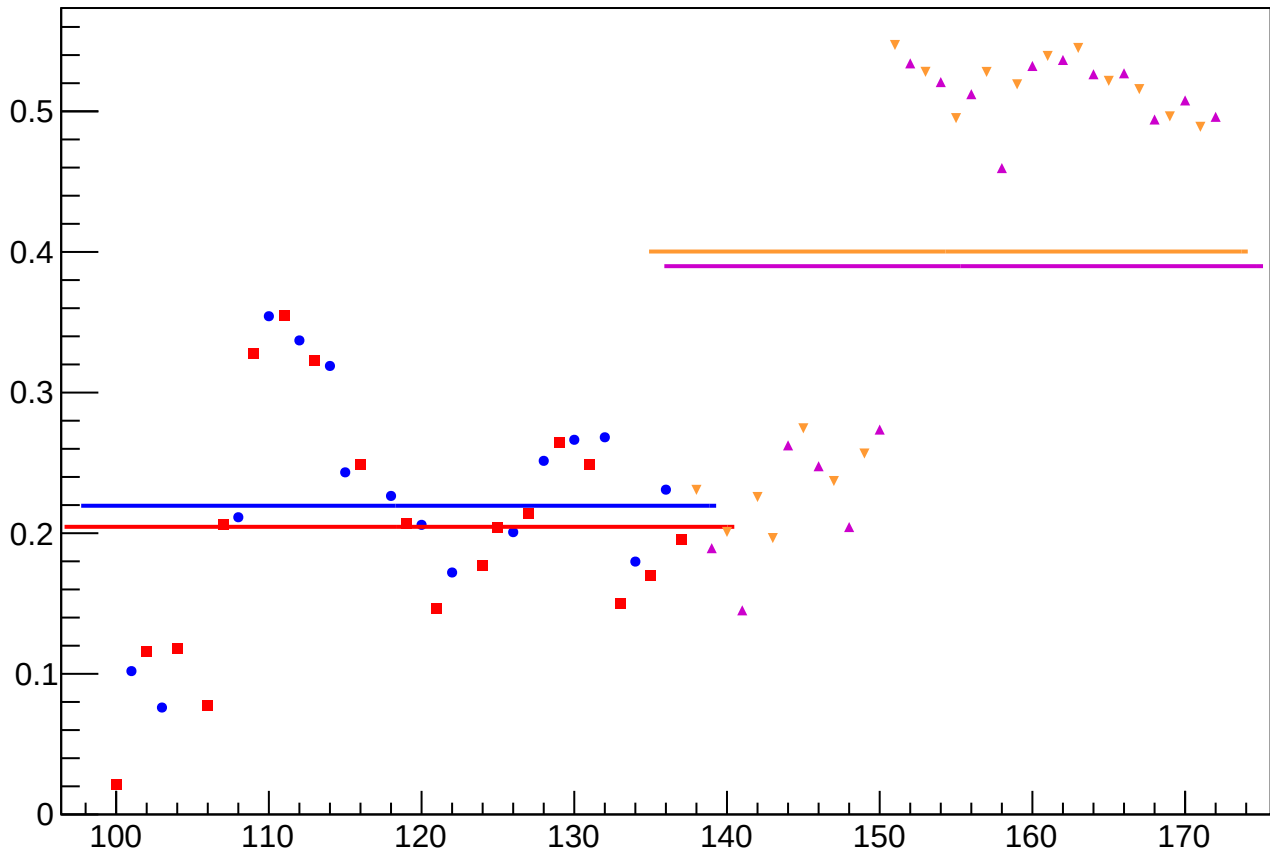
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:214911.7/16

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2490178.5/33

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5121412.2/69

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2631195.8/35

yield_bpm2i01X_mean vs Slug



Right In: 0.220 $\pm$ 0.000 χ^2 /NDF: 16729743257.8/15

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF: 133282625069.9/17

Right Out: 0.205 $\pm$ 0.000 χ^2 /NDF: 22312377506.1/18

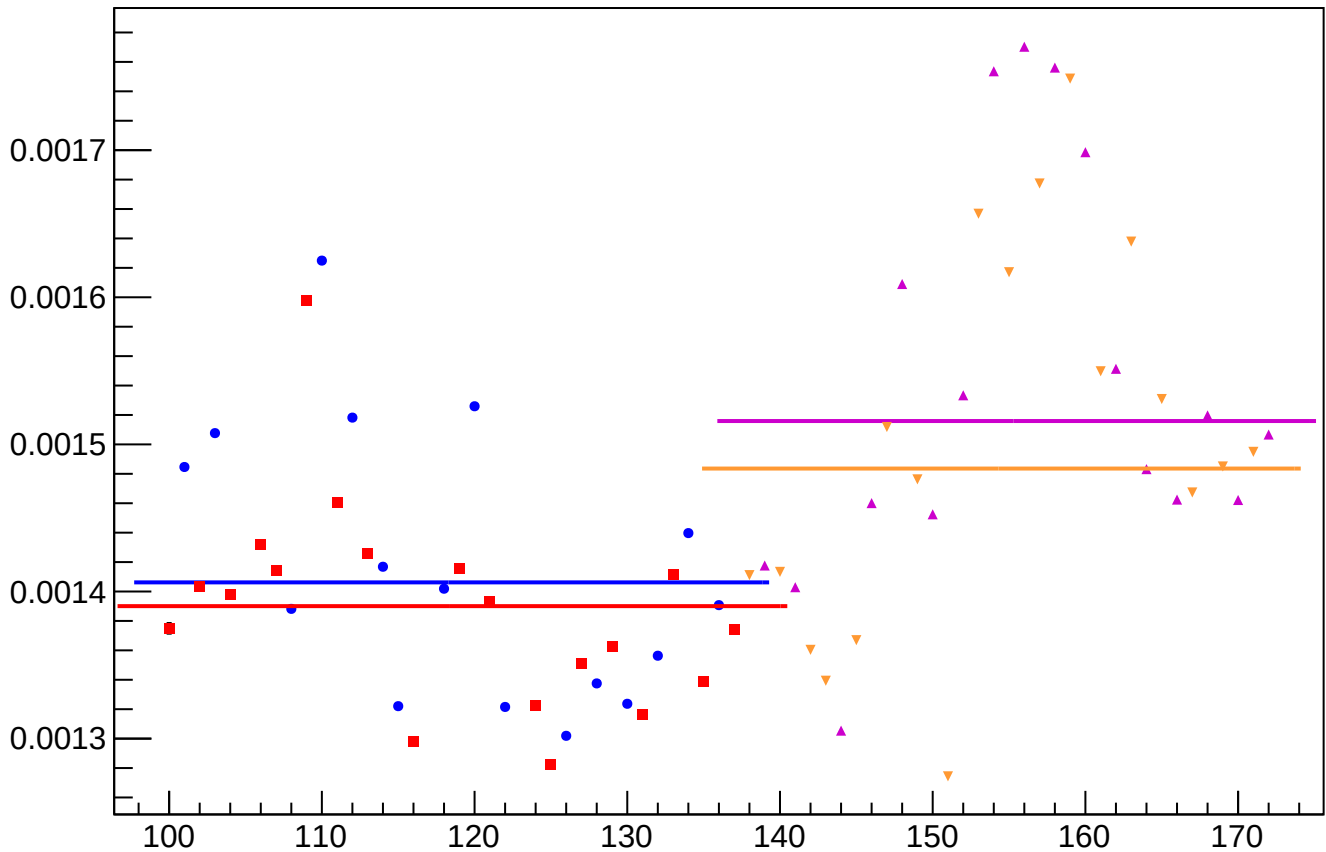
Left In: 0.390 $\pm$ 0.000 χ^2 /NDF: 130280130667.6/16

+ sign 0.336 $\pm$ 0.000 χ^2 /NDF: 223918033654.1/33

All: 0.327 $\pm$ 0.000 χ^2 /NDF: 457775472475.7

- sign 0.318 $\pm$ 0.000 χ^2 /NDF: 232221334162.0/35

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

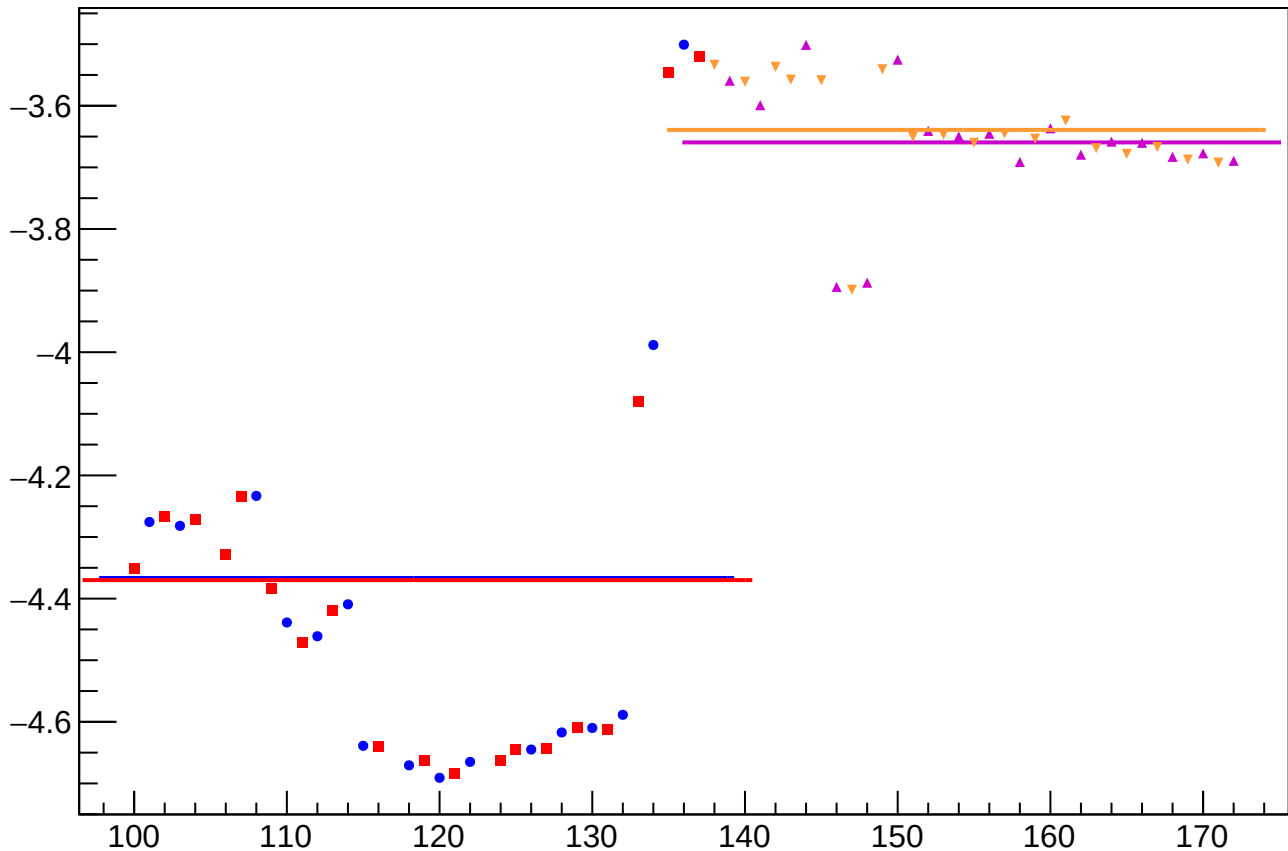
Left In: 0.002+/-0.000 χ^2/NDF :198821.1/16

+ sign 0.001+/-0.000 χ^2/NDF : 276182.1/33

All: 0.001+/-0.000 χ^2/NDF : 584334.0/69

- sign 0.001+/-0.000 χ^2/NDF : 306998.5/35

yield_bpm2i01Y_mean vs Slug



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

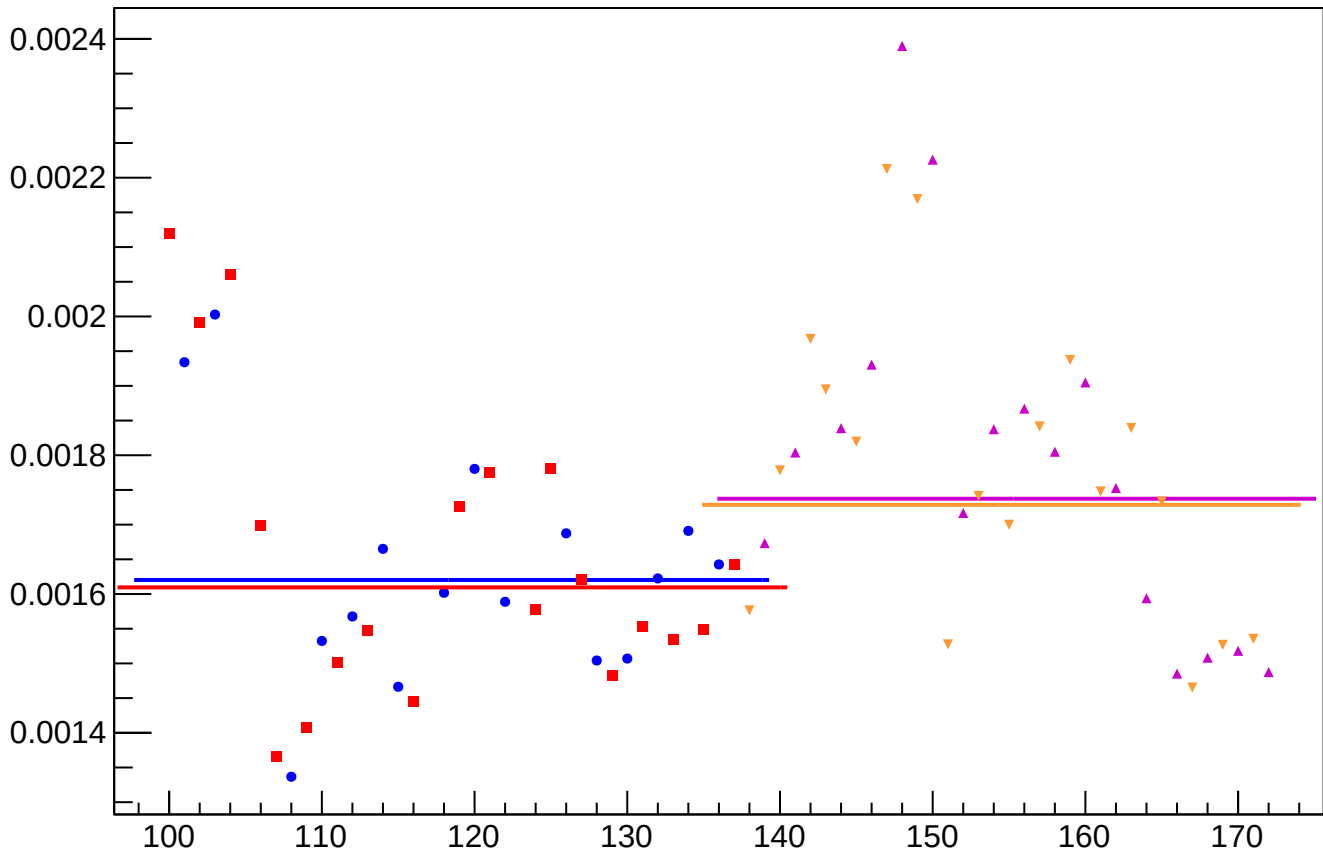
Left In: -3.659+/-0.000 χ^2 /NDF: 34049082608.1/16

+ sign -3.905+/-0.000 χ^2 /NDF: 1256411786200.7/3

All: -3.918+/-0.000 χ^2 /NDF: 2445879093431

- sign -3.931+/-0.000 χ^2 /NDF: 1187000711880.2/3

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

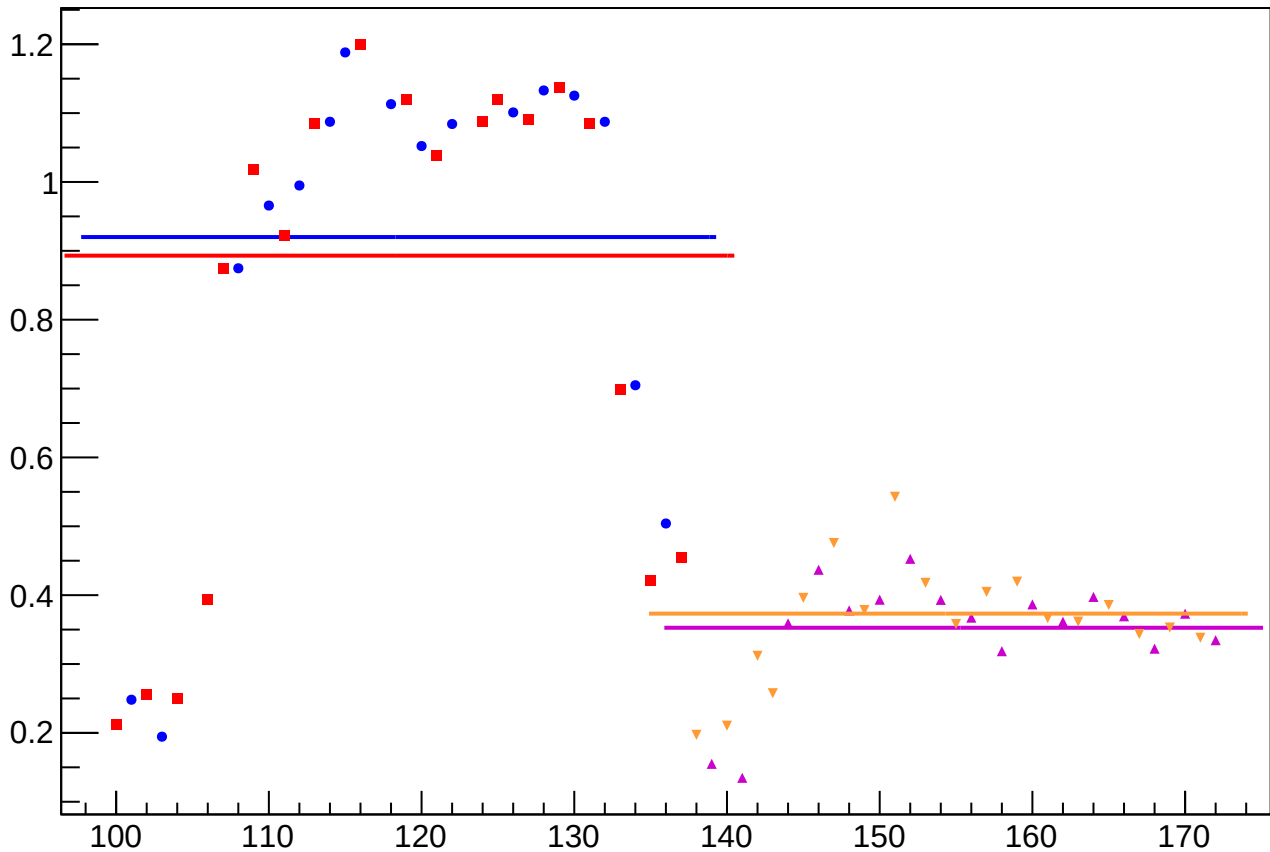
Left In: 0.002+/-0.000 χ^2/NDF :419470.1/16

+ sign 0.002+/-0.000 χ^2/NDF : 530440.0/33

All: 0.002+/-0.000 χ^2/NDF : 1190288.2/69

- sign 0.002+/-0.000 χ^2/NDF : 659846.6/35

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

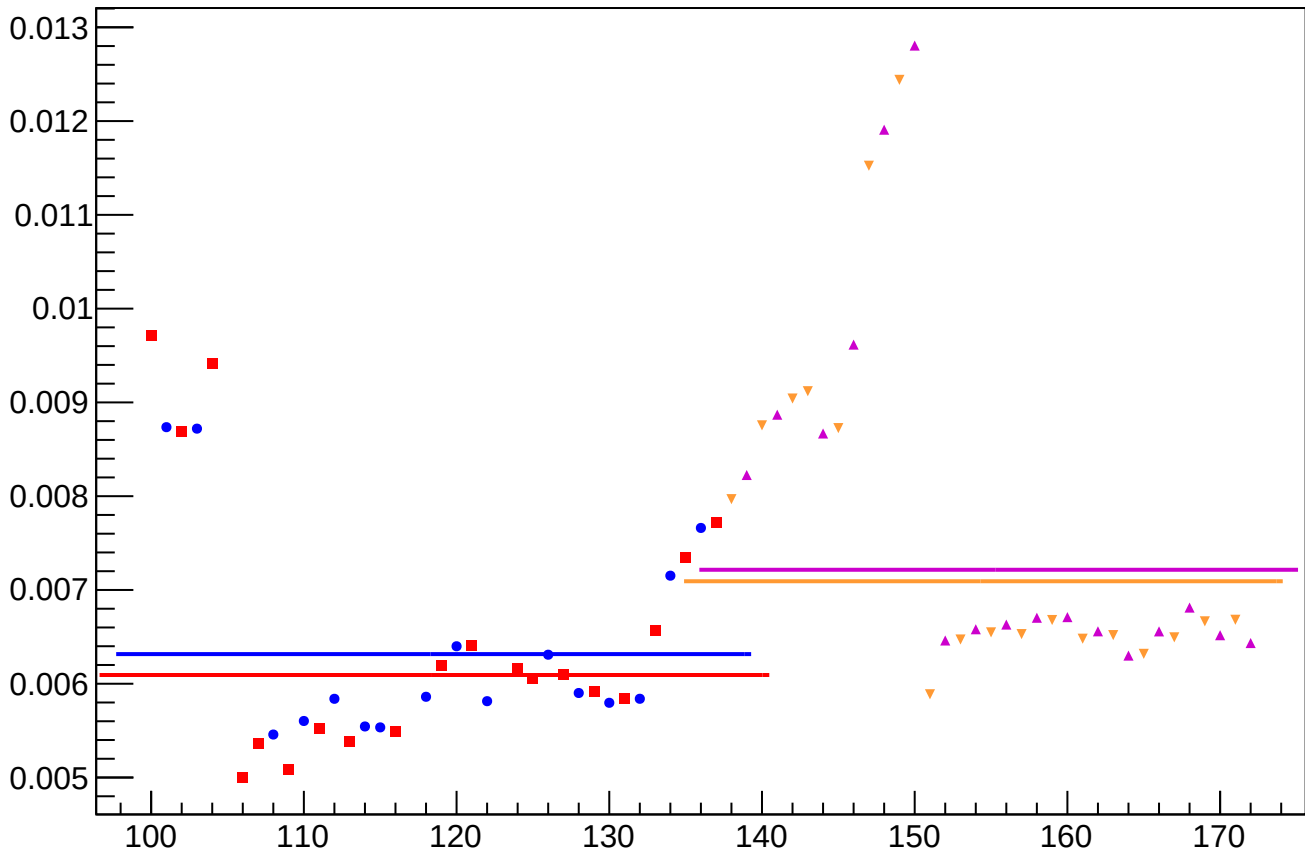
Left In: 0.353 ± 0.000 χ^2/NDF : 1453351584.1/16

+ sign 0.588 ± 0.000 χ^2/NDF : 48184879572.1/33

All: 0.587 ± 0.000 χ^2/NDF : 99745272001.8/6

- sign 0.586 ± 0.000 χ^2/NDF : 51558688019.8/35

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

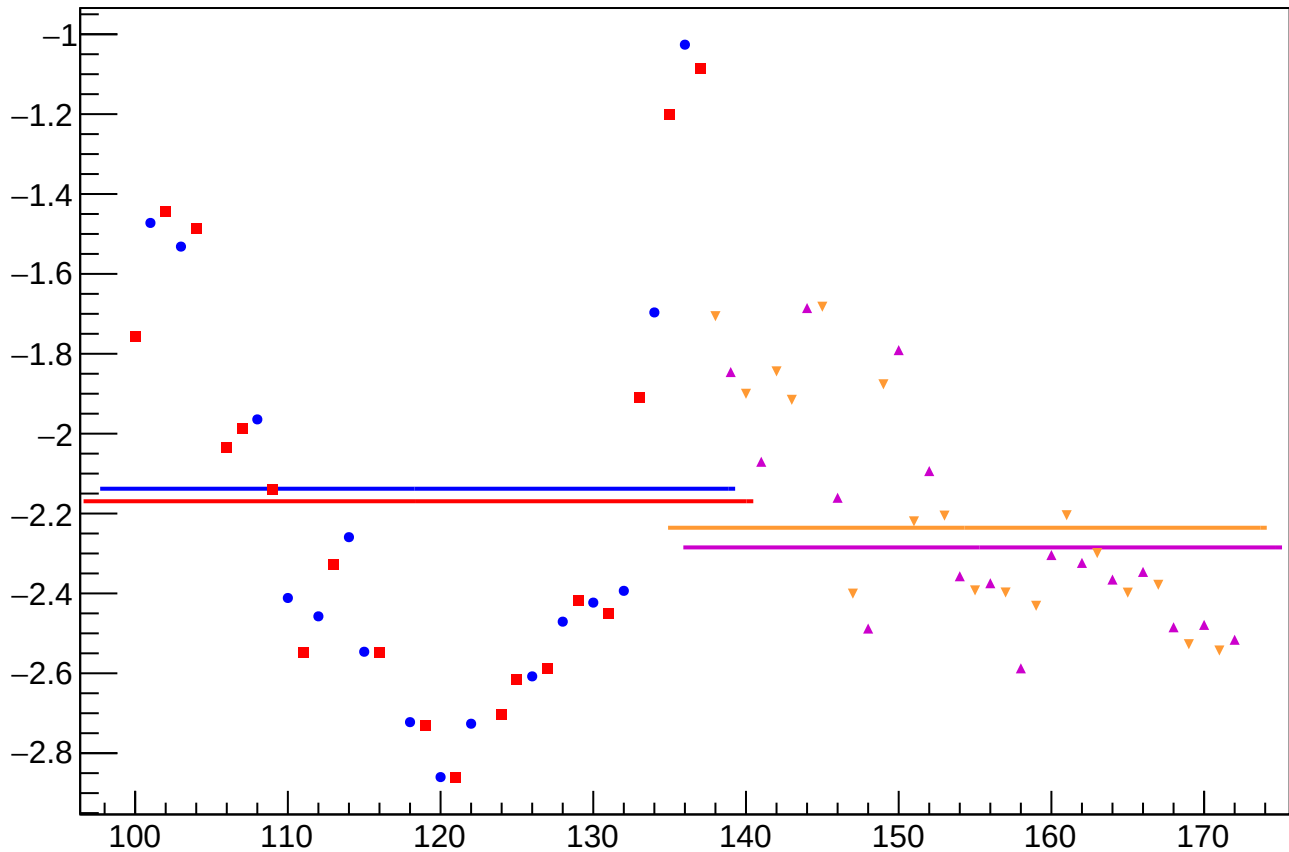
Left In: 0.007+/-0.000 χ^2/NDF : 1019239.5/16

+ sign 0.007+/-0.000 χ^2/NDF : 1457320.3/33

All: 0.007+/-0.000 χ^2/NDF : 3193879.4/69

- sign 0.007+/-0.000 χ^2/NDF : 1735167.4/35

yield_bpm2i02Y_mean vs Slug



Right In: -2.138 ± 0.000 χ^2/NDF : 65666622158.4/15

Left Out: -2.236 ± 0.000 χ^2/NDF : 21092367522.1/17

Right Out: -2.169 ± 0.000 χ^2/NDF : 57409196879.6/18

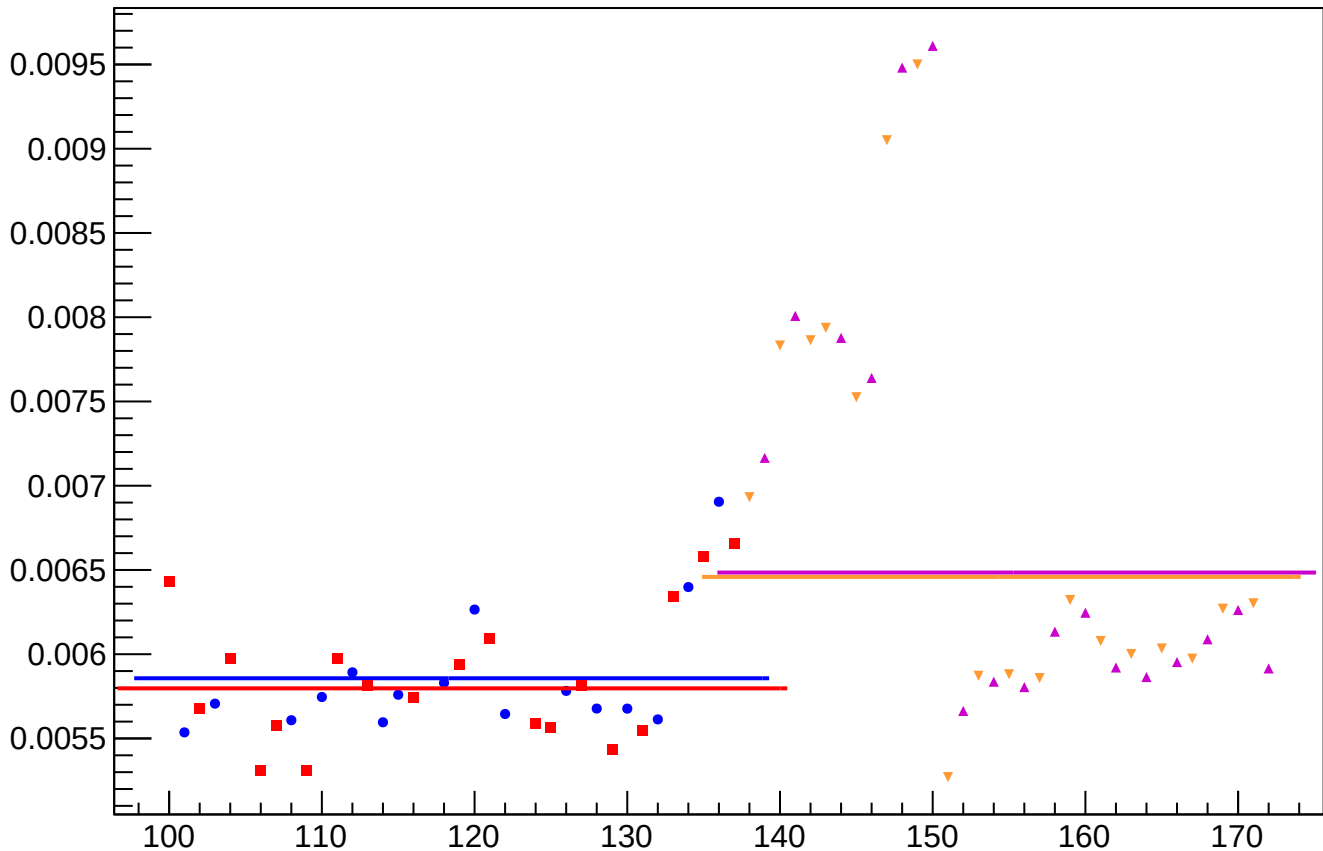
Left In: -2.285 ± 0.000 χ^2/NDF : 18612828351.9/16

+ sign -2.198 ± 0.000 χ^2/NDF : 87985456798.0/33

All: -2.218 ± 0.000 χ^2/NDF : 166205211932.1

- sign -2.238 ± 0.000 χ^2/NDF : 77781720582.4/35

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF : 652637.9/17

Right Out: 0.006+/-0.000 χ^2/NDF : 56374.2/18

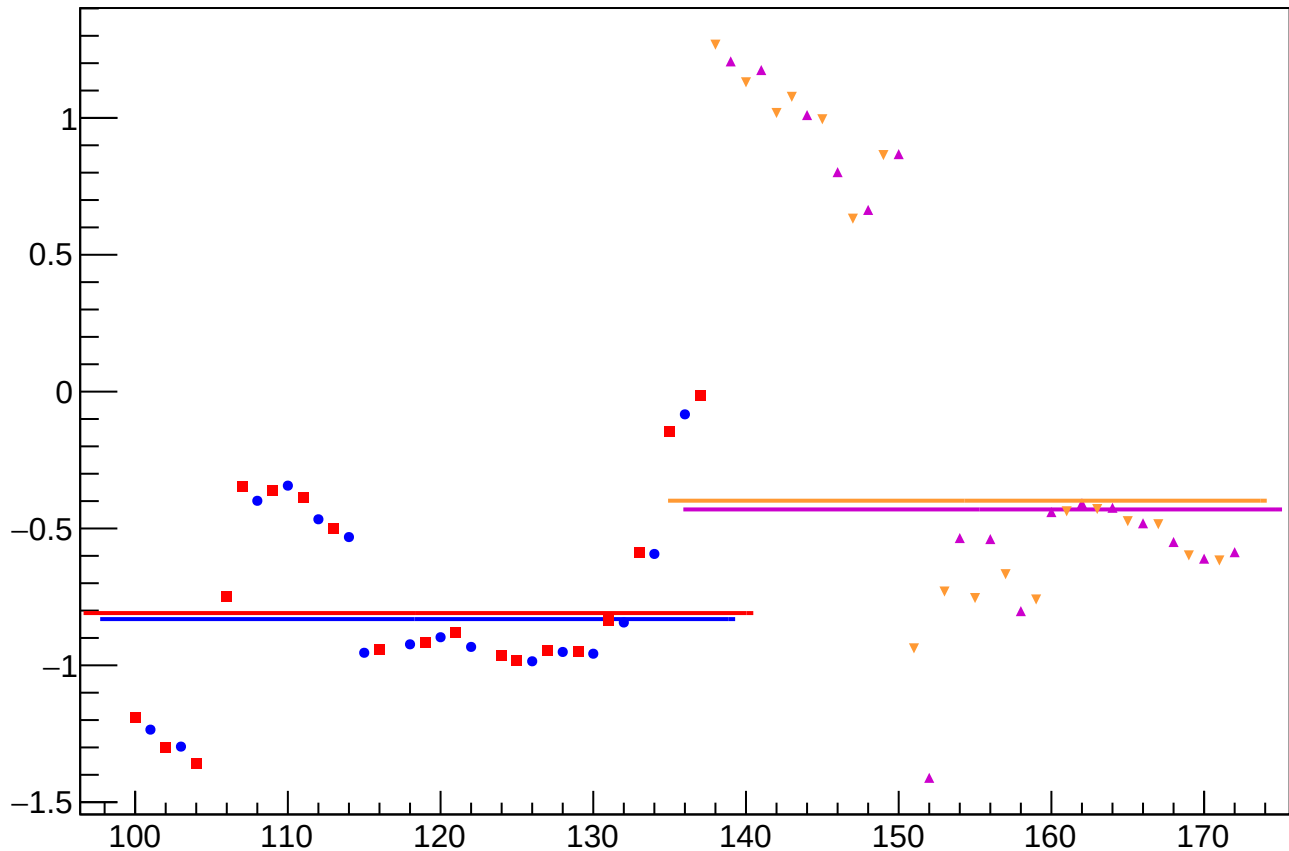
Left In: 0.006+/-0.000 χ^2/NDF : 681788.9/16

+ sign 0.006+/-0.000 χ^2/NDF : 807607.1/33

All: 0.006+/-0.000 χ^2/NDF : 1670458.9/69

- sign 0.006+/-0.000 χ^2/NDF : 862623.3/35

yield_bpm0i01X_mean vs Slug



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

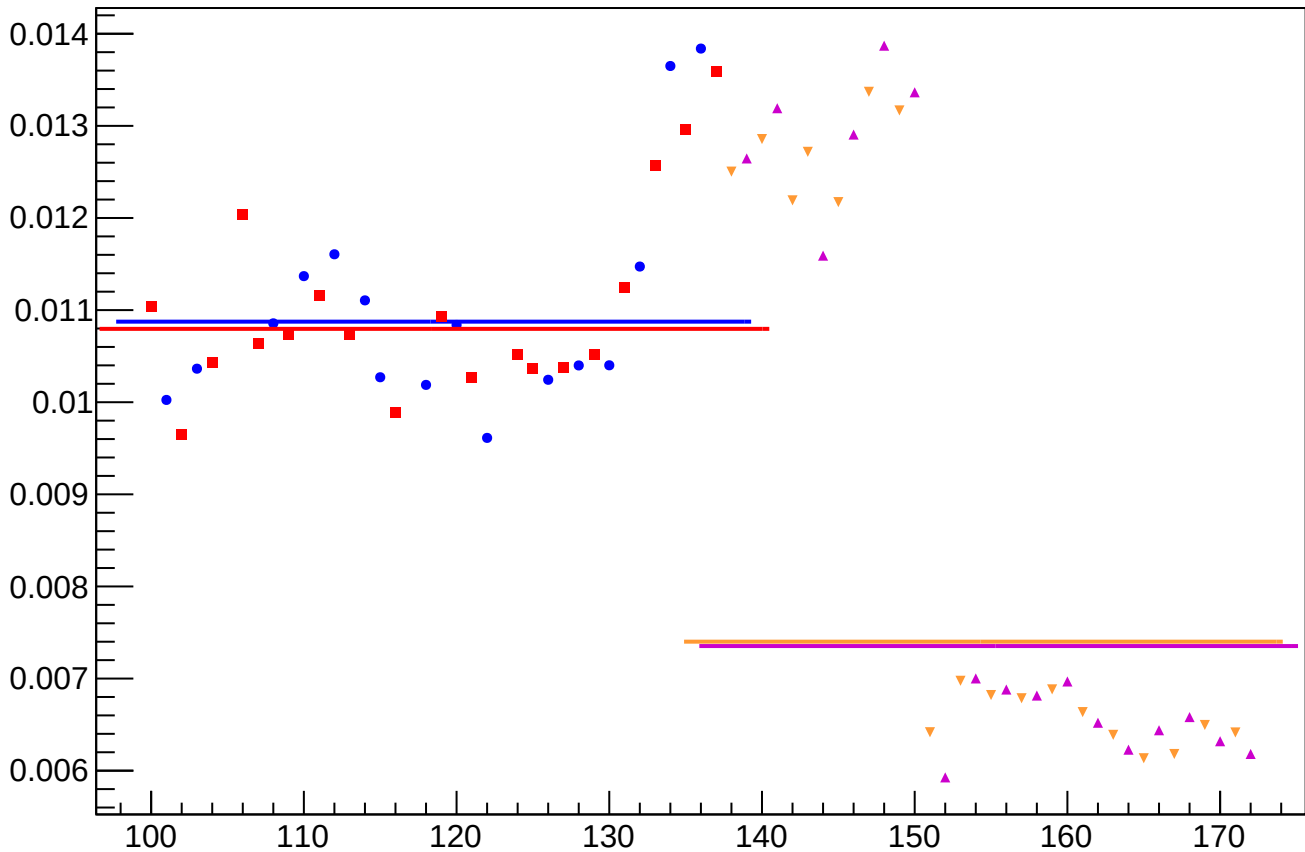
Left In: -0.430 ± 0.000 χ^2/NDF : 89138601260.5/16

+ sign -0.486 ± 0.000 χ^2/NDF : 95631828104.5/33

All: -0.498 ± 0.000 χ^2/NDF : 200025841613.0

- sign -0.510 ± 0.000 χ^2/NDF : 104310901197.4/35

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 157612.7/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:2164628.8/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 99122.1/18

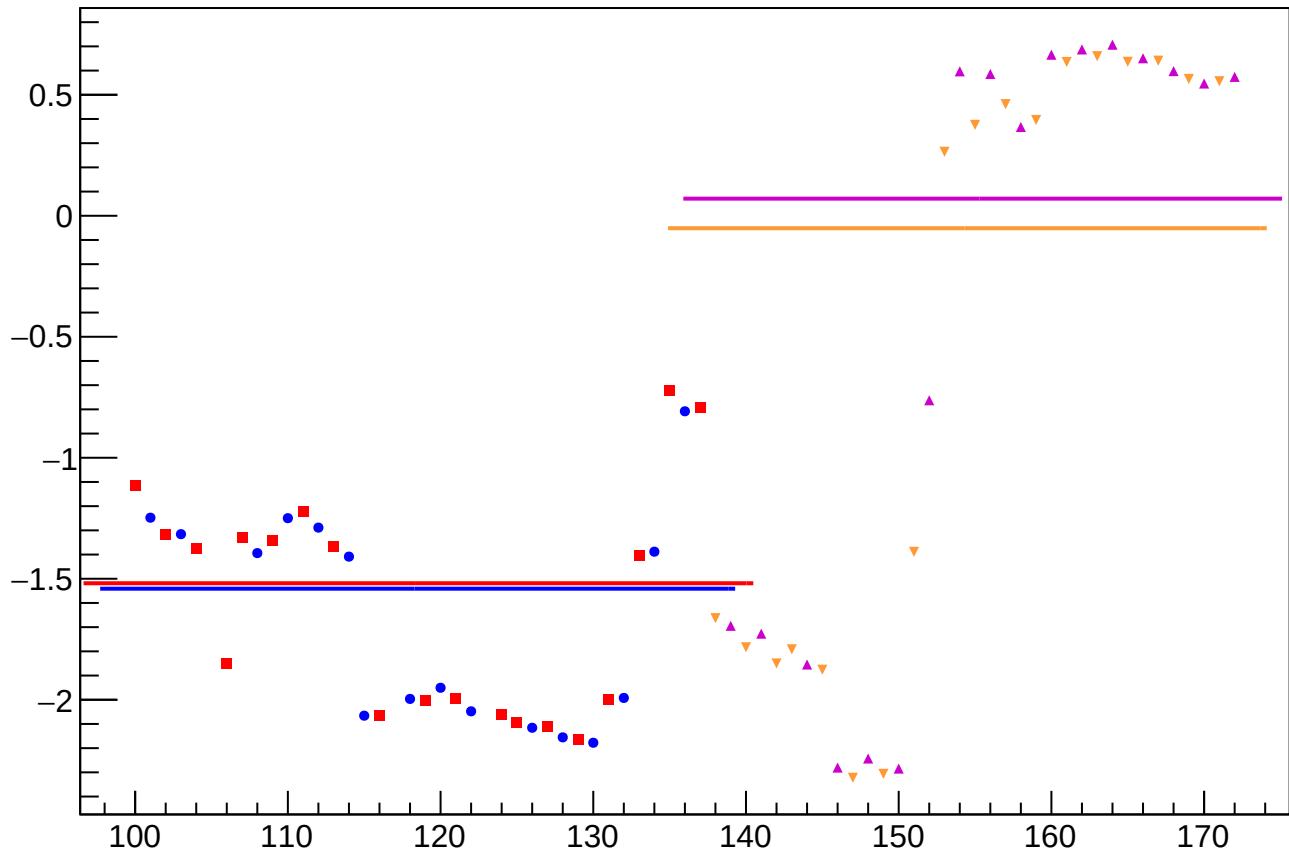
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2239143.8/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3467536.3/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6968265.9/69

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3500475.2/35

yield_bpm0i01Y_mean vs Slug



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

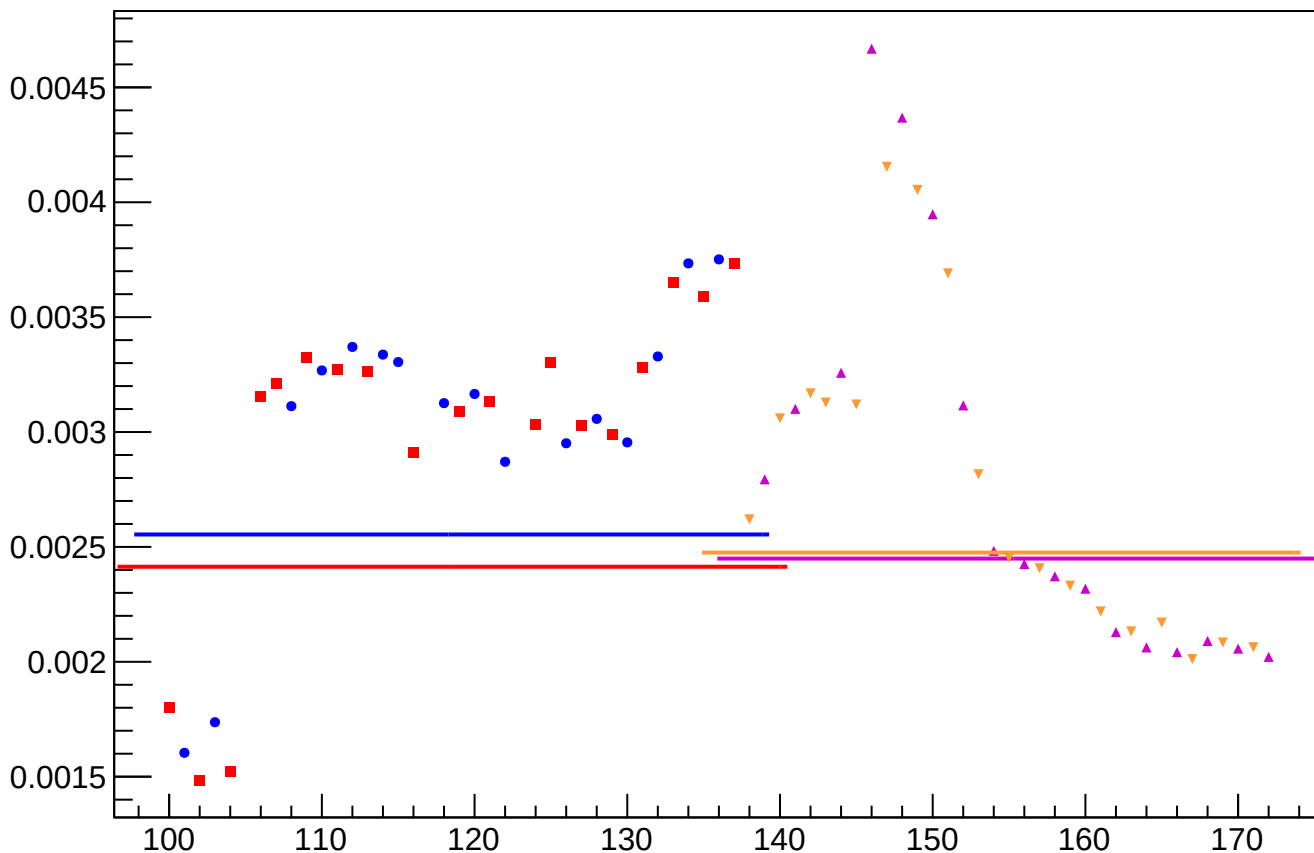
Left In: 0.071+/-0.000 χ^2/NDF : 1965916329205.4/16

+ sign -0.523+/-0.000 χ^2/NDF : 3704161145659.2/3

All: -0.494+/-0.000 χ^2/NDF : 7520683843836

- sign -0.466+/-0.000 χ^2/NDF : 3811819111931.9/3

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

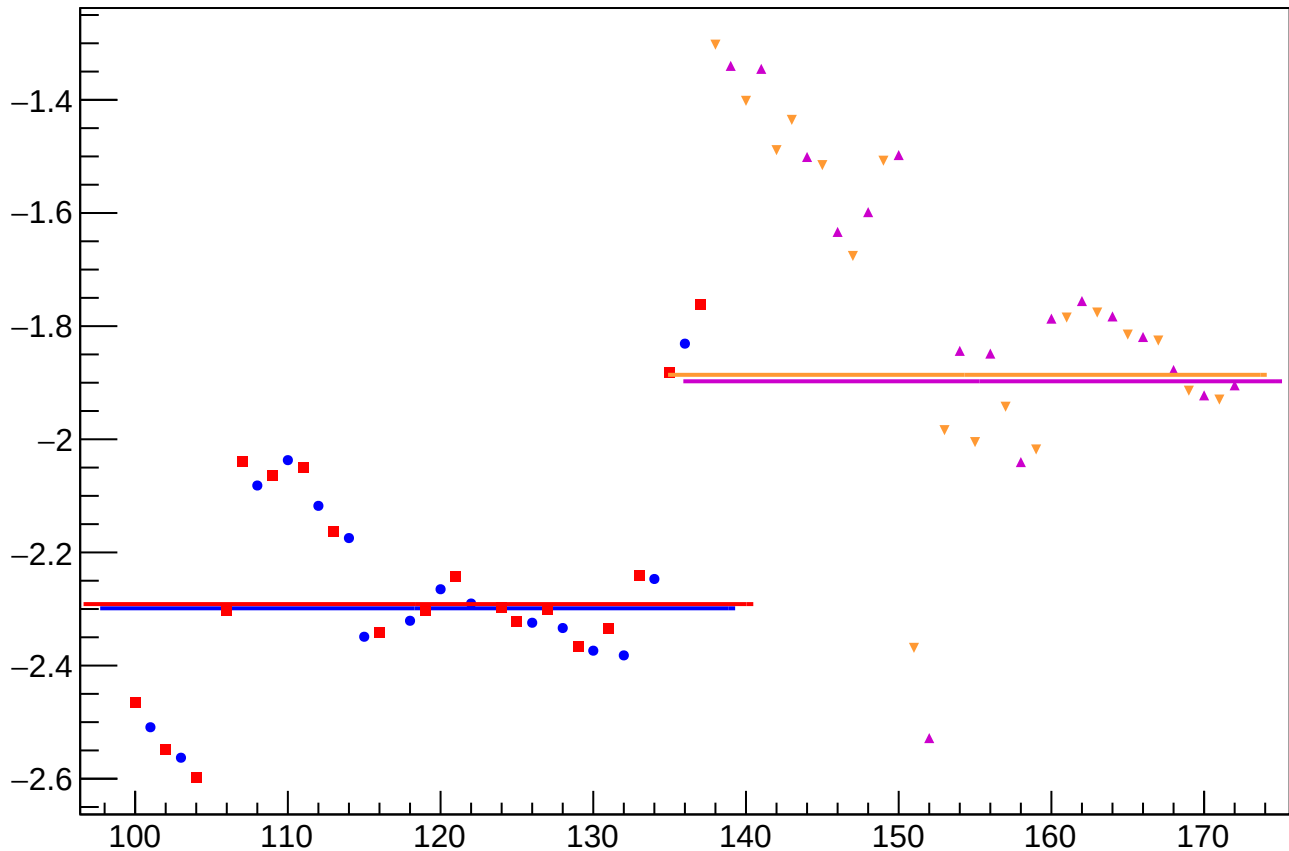
Left In: 0.002+/-0.000 χ^2/NDF :1284071.3/16

+ sign 0.003+/-0.000 χ^2/NDF : 2255369.4/33

All: 0.002+/-0.000 χ^2/NDF : 5099788.5/69

- sign 0.002+/-0.000 χ^2/NDF : 2832598.2/35

yield_bpm0i01aX_mean vs Slug



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

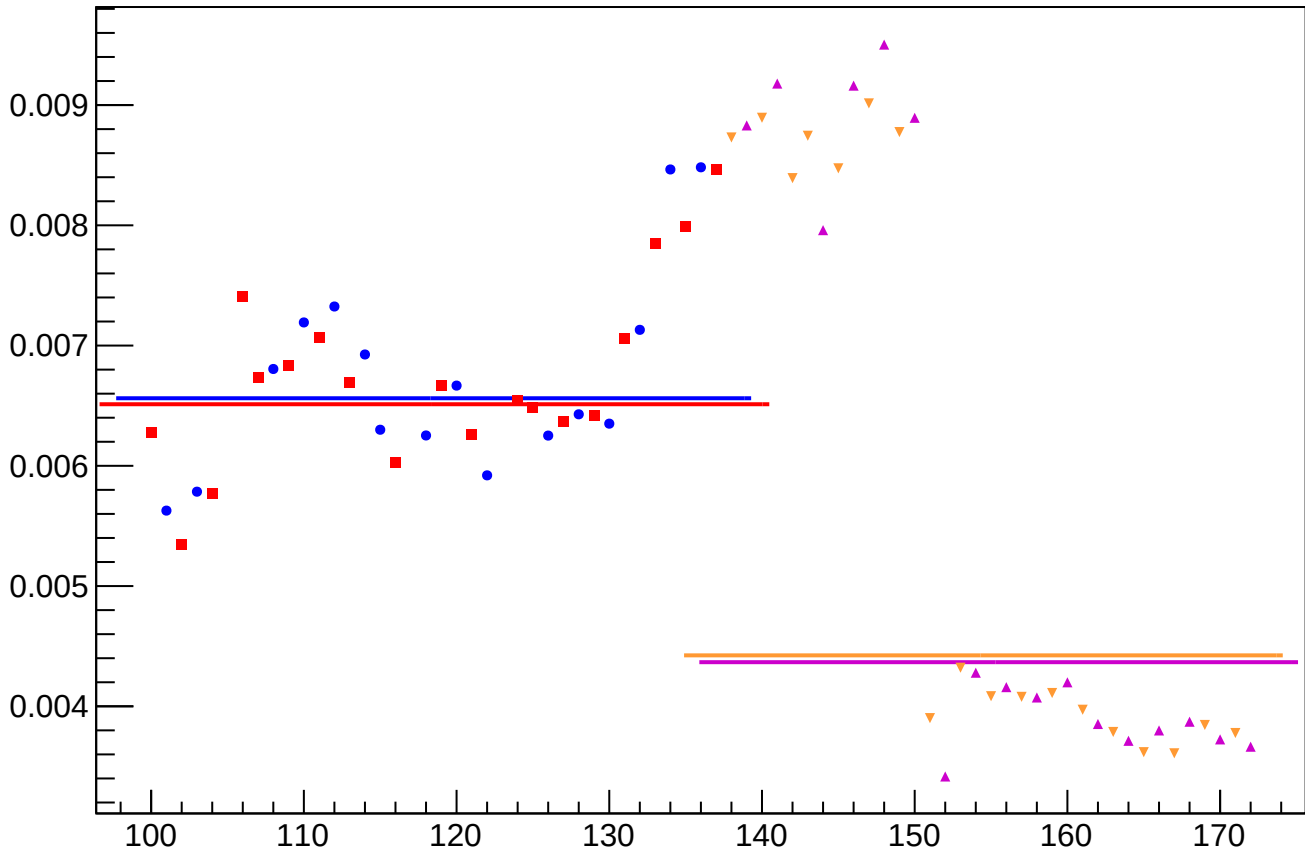
Left In: -1.897+/-0.000 χ^2/NDF : 43345890535.8/16

+ sign -1.970+/-0.000 χ^2/NDF : 55310398561.9/33

All: -1.975+/-0.000 χ^2/NDF : 126053882807.8

- sign -1.980+/-0.000 χ^2/NDF : 70705331244.2/35

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

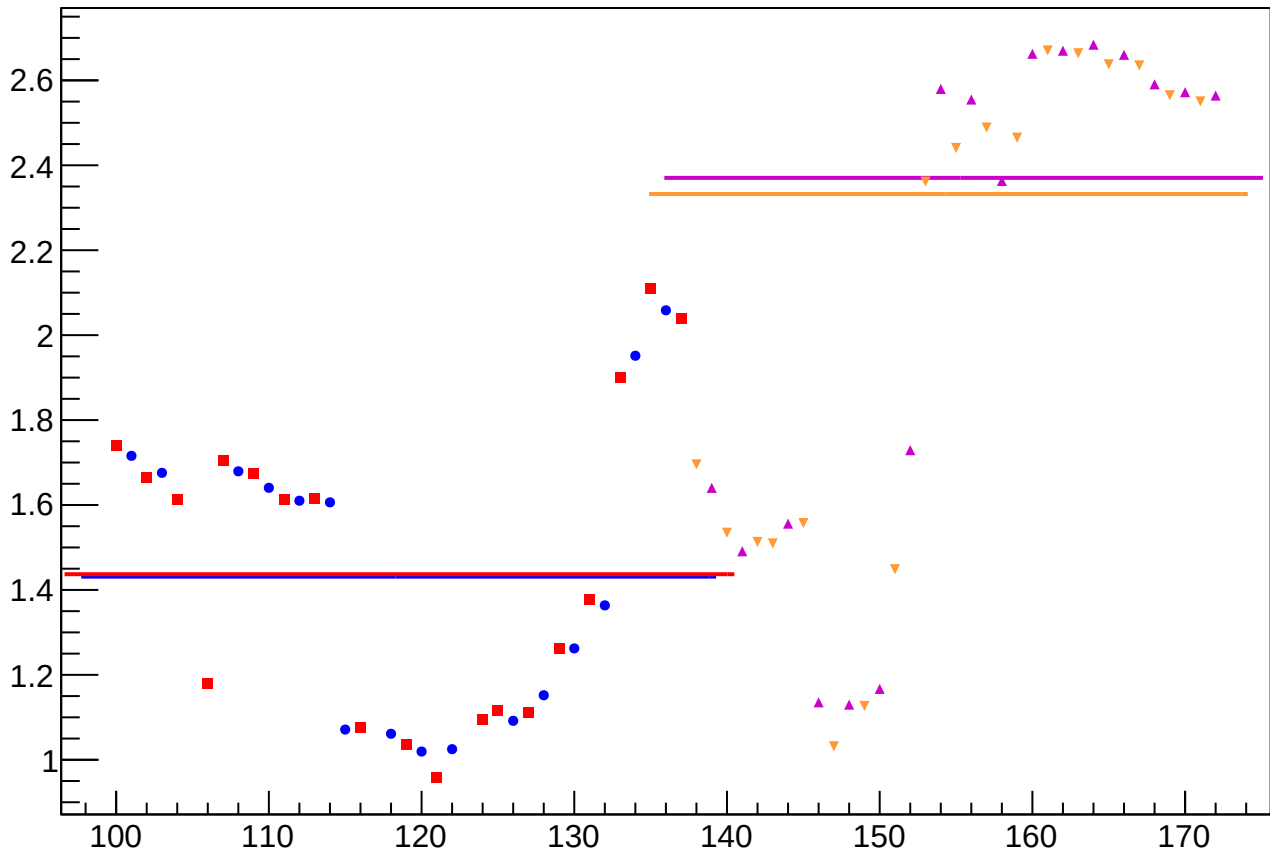
Left In: 0.004+/-0.000 χ^2/NDF : 2964054.1/16

+ sign 0.005+/-0.000 χ^2/NDF : 4247236.3/33

All: 0.005+/-0.000 χ^2/NDF : 8615856.2/69

- sign 0.005+/-0.000 χ^2/NDF : 4367127.7/35

yield_bpm0i01aY_mean vs Slug



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

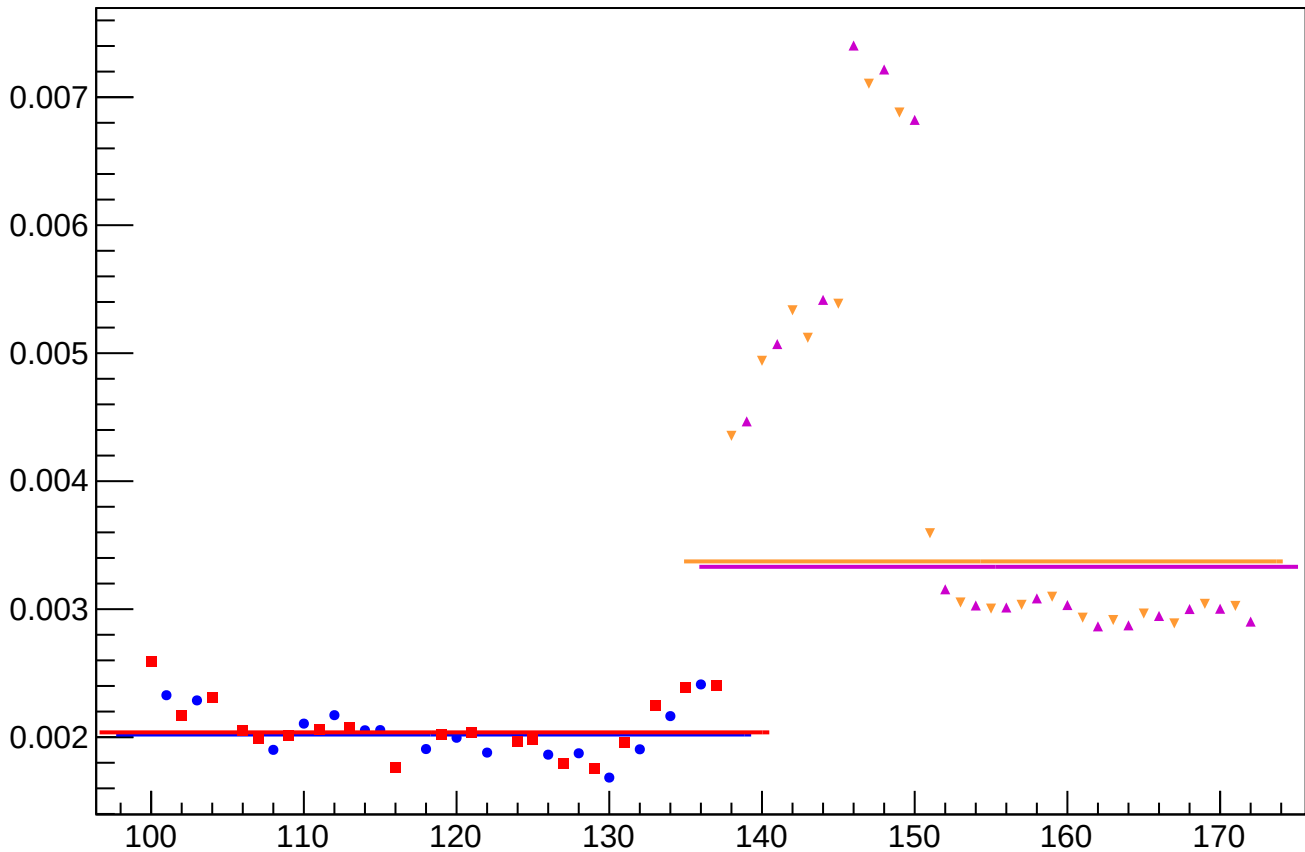
Left In: 2.370+/-0.000 χ^2/NDF : 210551882316.9/16

+ sign 1.794+/-0.000 χ^2/NDF : 937012730434.9/33

All: 1.803+/-0.000 χ^2/NDF : 1900849979071.

- sign 1.812+/-0.000 χ^2/NDF : 963414889404.3/35

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 154923.3/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1704429.4/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 113640.4/18

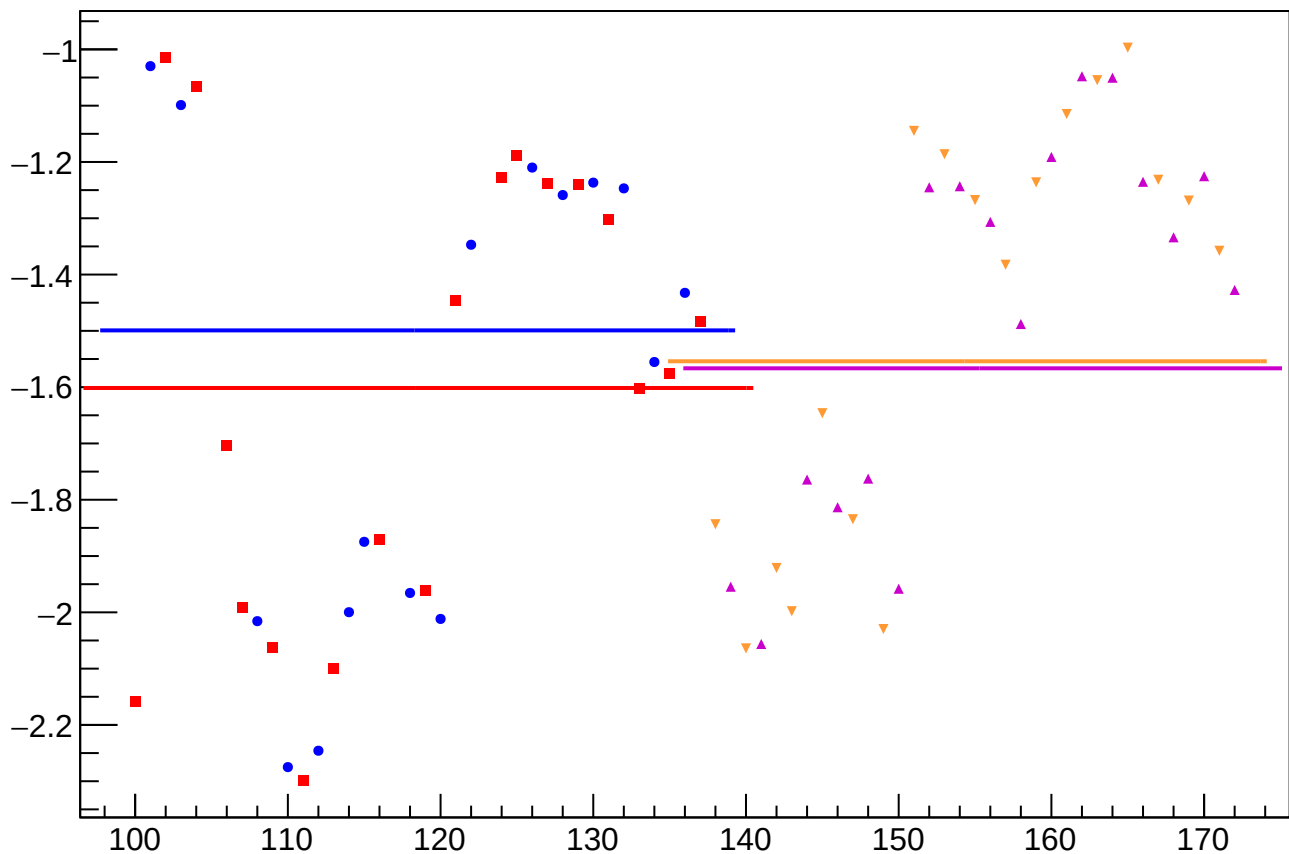
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1970367.3/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4255338.3/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8532059.5/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4276528.2/35

yield_bpm0l01X_mean vs Slug



Right In: -1.499+/-0.000 χ^2/NDF : 22930357522.2/15

Left Out: -1.554+/-0.000 χ^2/NDF : 40978108159.8/17

Right Out: -1.601+/-0.000 χ^2/NDF : 28324914147.6/18

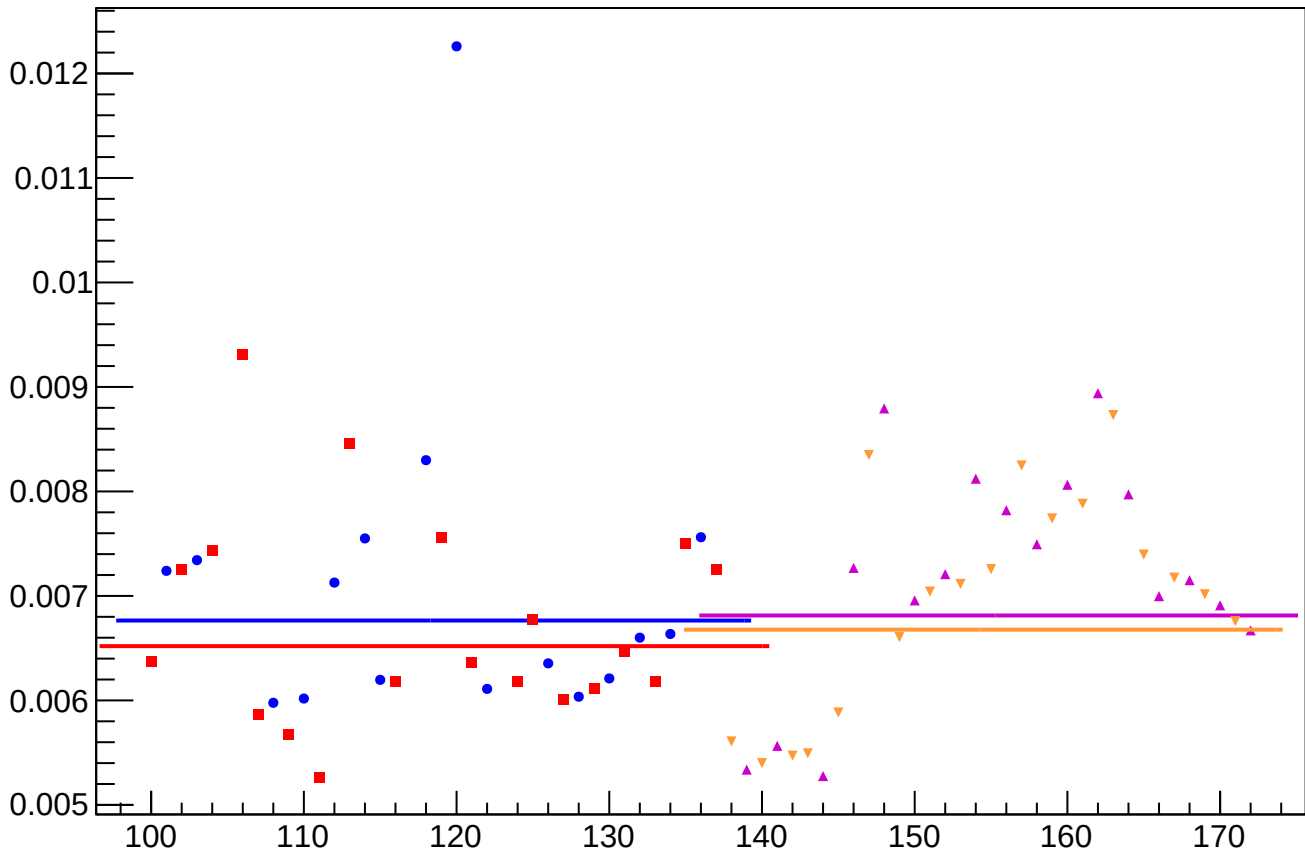
Left In: -1.567+/-0.000 χ^2/NDF : 31004650739.0/16

+ sign -1.536+/-0.000 χ^2/NDF : 64196784138.0/33

All: -1.558+/-0.000 χ^2/NDF : 124060241557.0

- sign -1.579+/-0.000 χ^2/NDF : 59454597217.6/35

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 238566.1/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 598785.5/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 245428.1/18

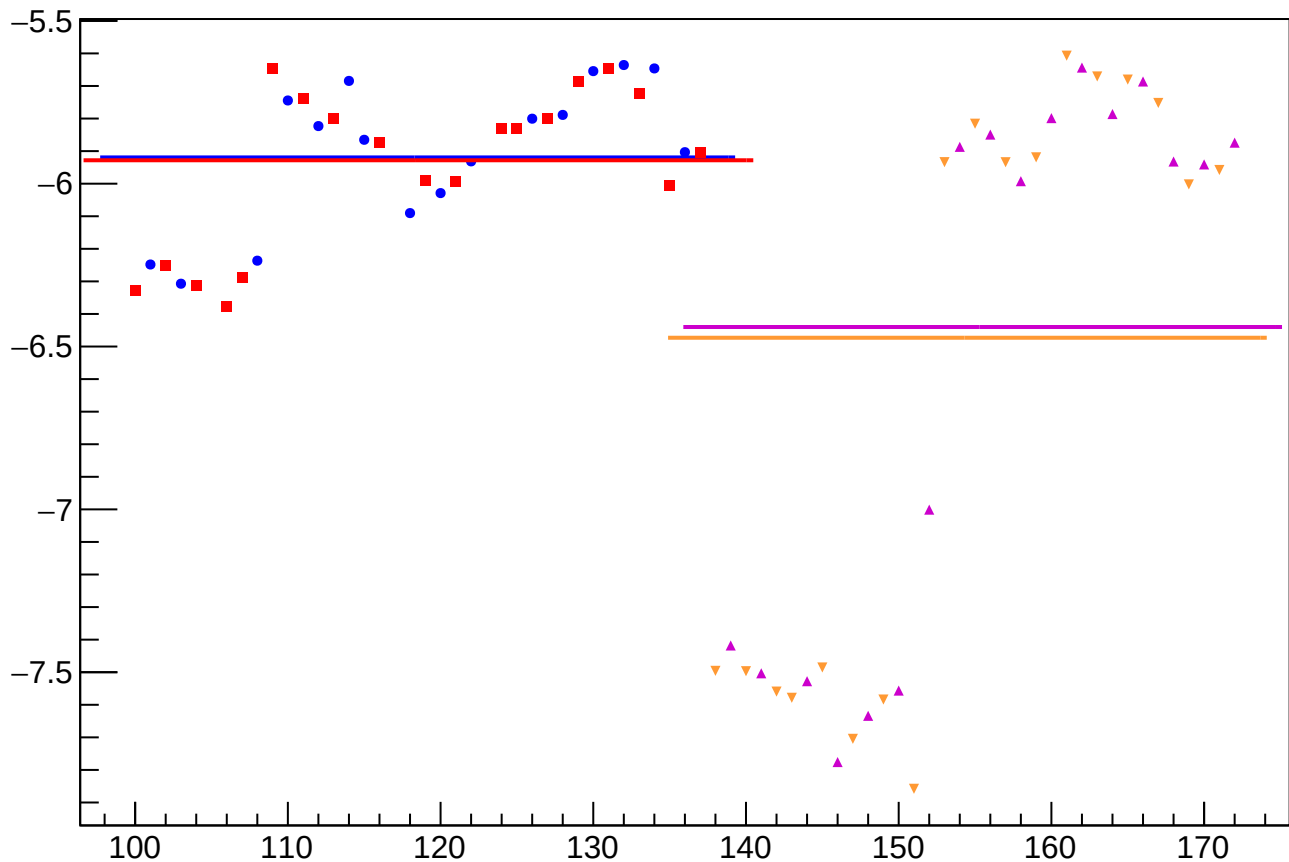
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 679462.5/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 838817.4/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 1781337.7/69

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 942519.9/35

yield_bpm0l01Y_mean vs Slug



Right In: -5.919 ± 0.000 $\chi^2/\text{NDF}: 11742457053.3/15$

Left Out: -6.473 ± 0.000 $\chi^2/\text{NDF}: 100360160756.2/17$

Right Out: -5.928 ± 0.000 $\chi^2/\text{NDF}: 12641528579.2/18$

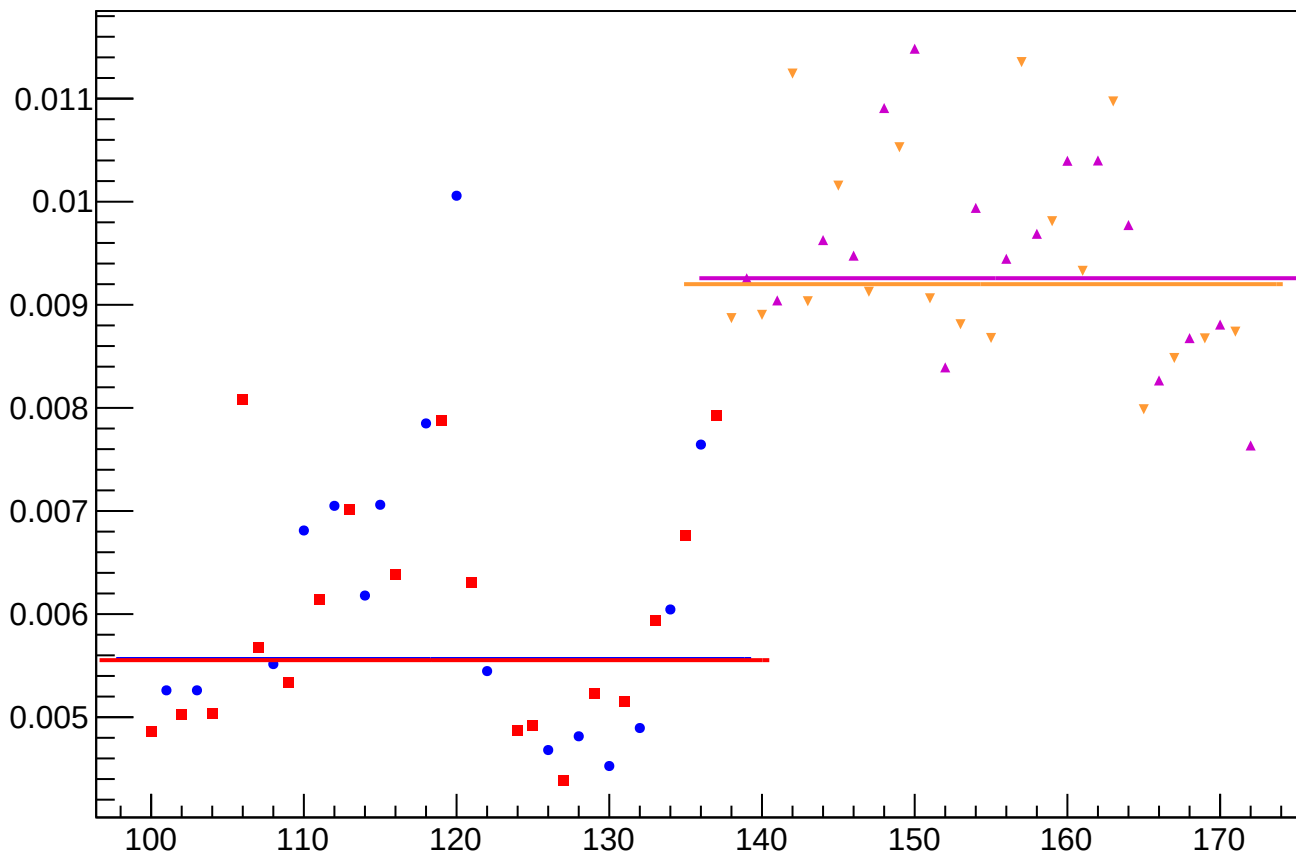
Left In: -6.440 ± 0.000 $\chi^2/\text{NDF}: 83140907201.1/16$

+ sign -6.144 ± 0.000 $\chi^2/\text{NDF}: 136708130423.7/33$

All: -6.135 ± 0.000 $\chi^2/\text{NDF}: 253883655030.6$

- sign -6.126 ± 0.000 $\chi^2/\text{NDF}: 117122581903.4/35$

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

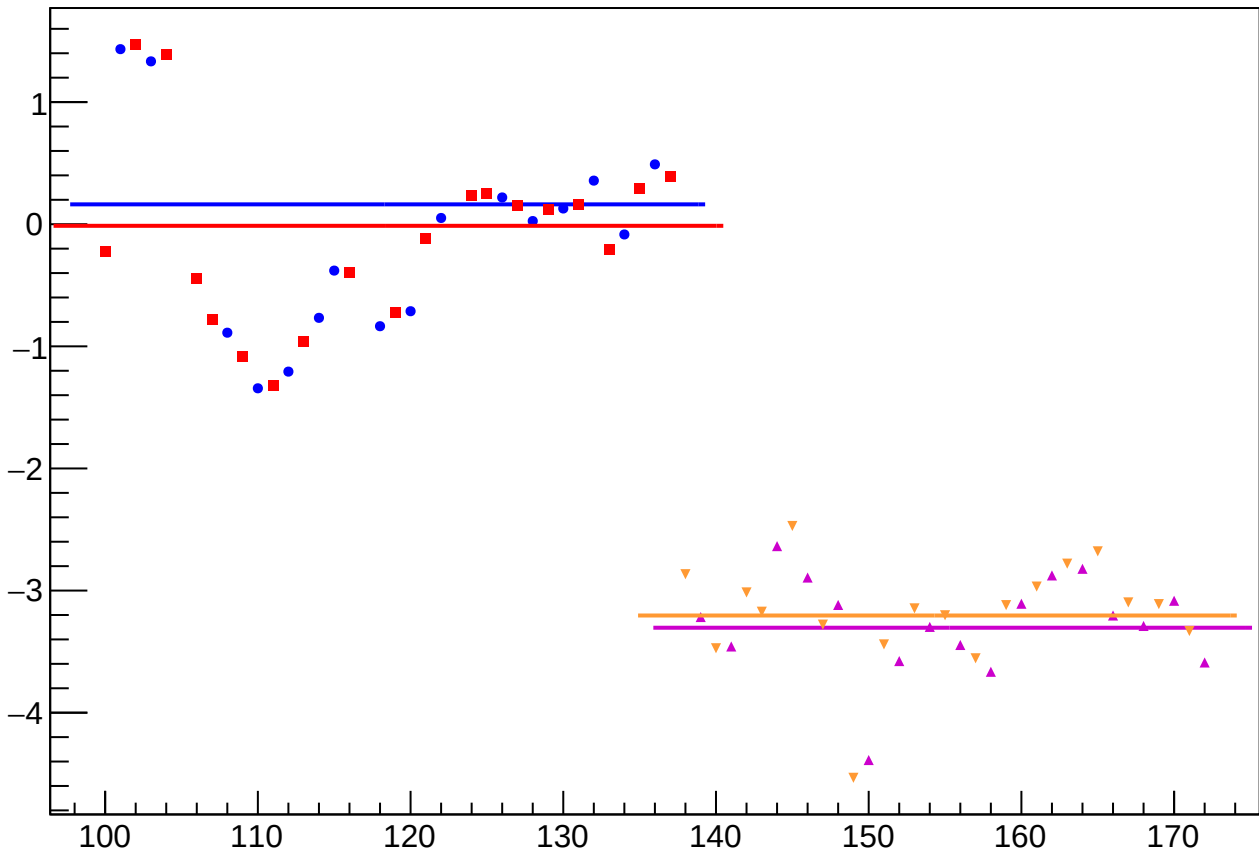
Left In: 0.009+/-0.000 χ^2/NDF :244749.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 2818360.1/33

All: 0.007+/-0.000 χ^2/NDF : 5663750.7/69

- sign 0.007+/-0.000 χ^2/NDF : 2844470.8/35

yield_bpm0l02X_mean vs Slug



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

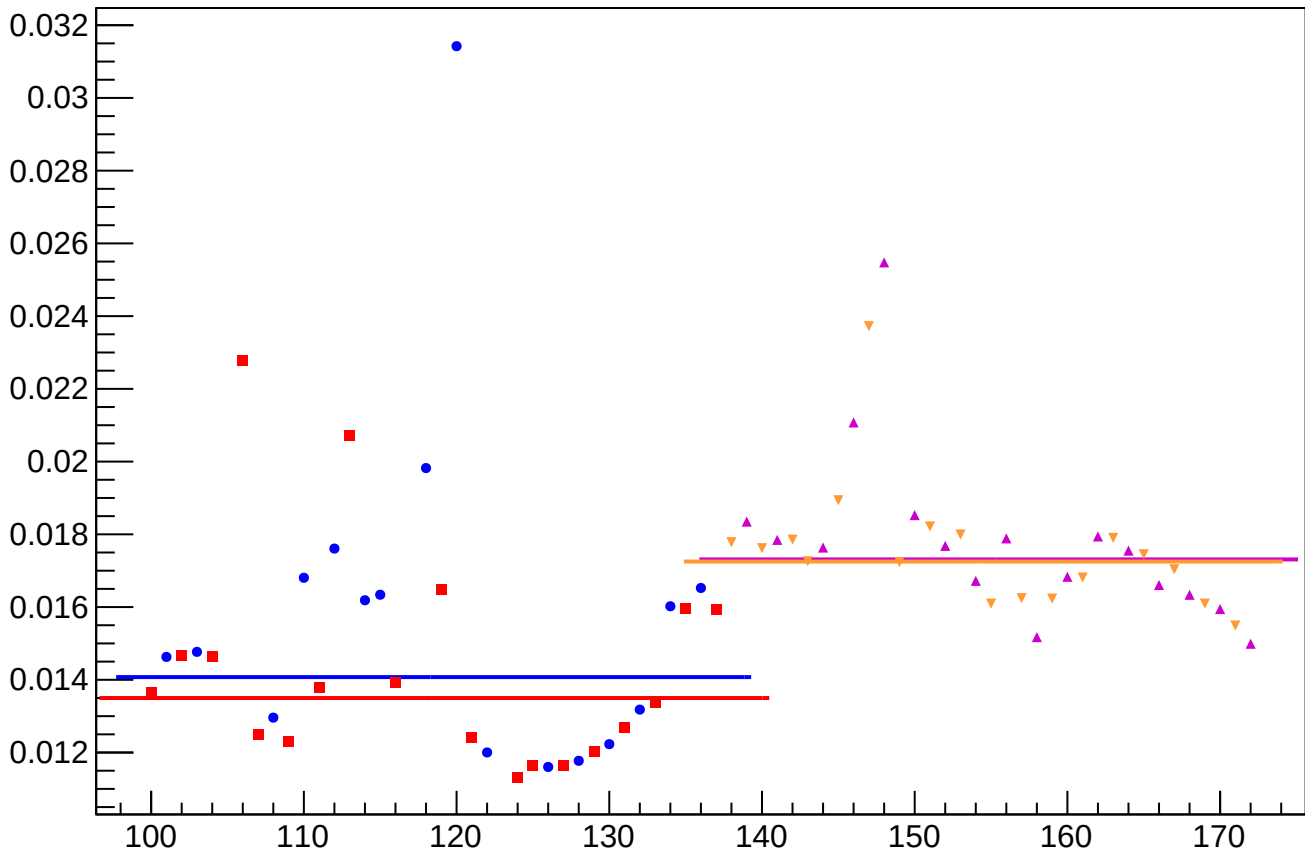
Left In: -3.304+/-0.000 χ^2/NDF : 6728493168.3/16

+ sign -1.818+/-0.000 χ^2/NDF : 238444736114.3/33

All: -1.810+/-0.000 χ^2/NDF : 486715600199.5

- sign -1.803+/-0.000 χ^2/NDF : 248261527878.1/35

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

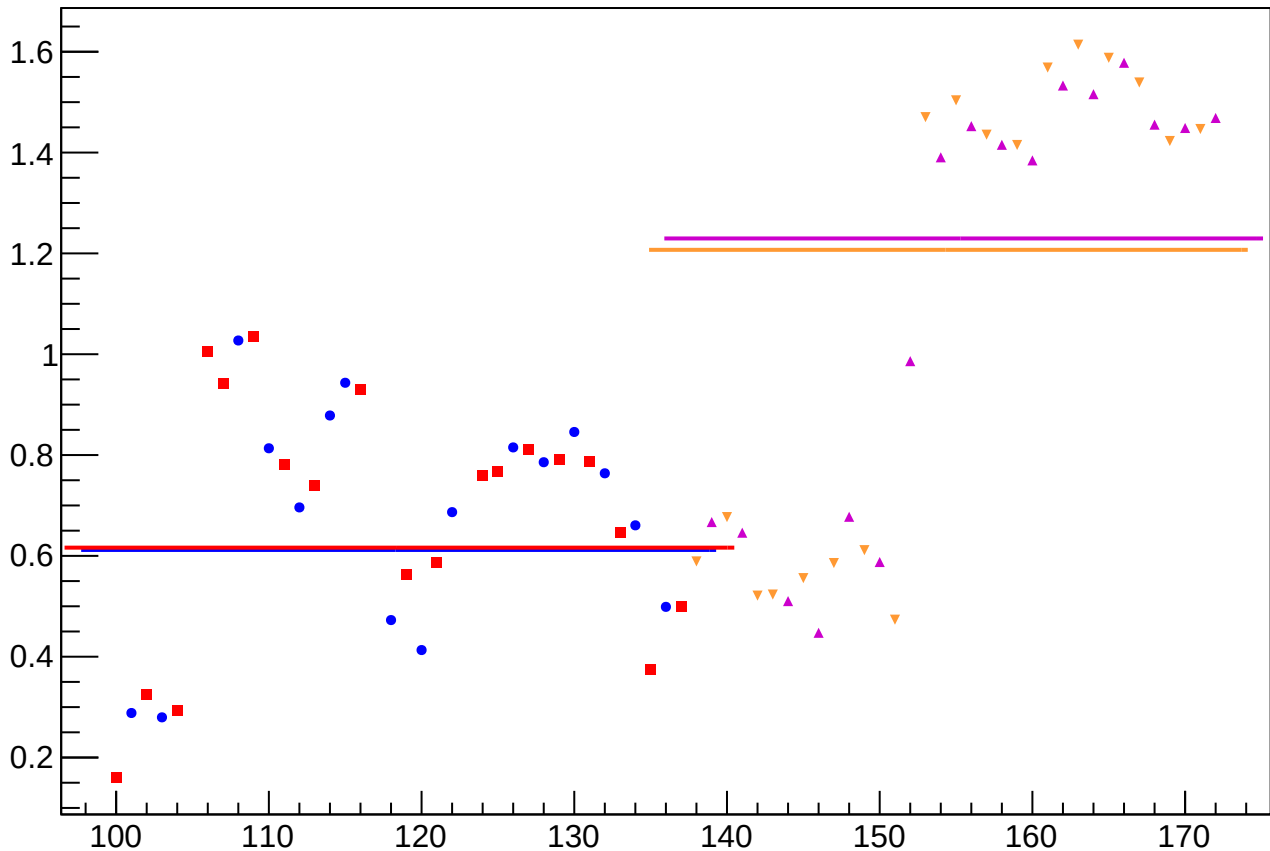
Left In: 0.017+/-0.000 χ^2/NDF :319959.6/16

+ sign 0.016+/-0.000 χ^2/NDF : 1030873.3/33

All: 0.016+/-0.000 χ^2/NDF : 2264252.6/69

- sign 0.016+/-0.000 χ^2/NDF : 1222371.5/35

yield_bpm0l02Y_mean vs Slug



Right In: 0.612 $\pm$ 0.000 χ^2 /NDF: 5639014502.0/15

Left Out: 1.207 $\pm$ 0.000 χ^2 /NDF: 42646470013.2/17

Right Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 6419512040.7/18

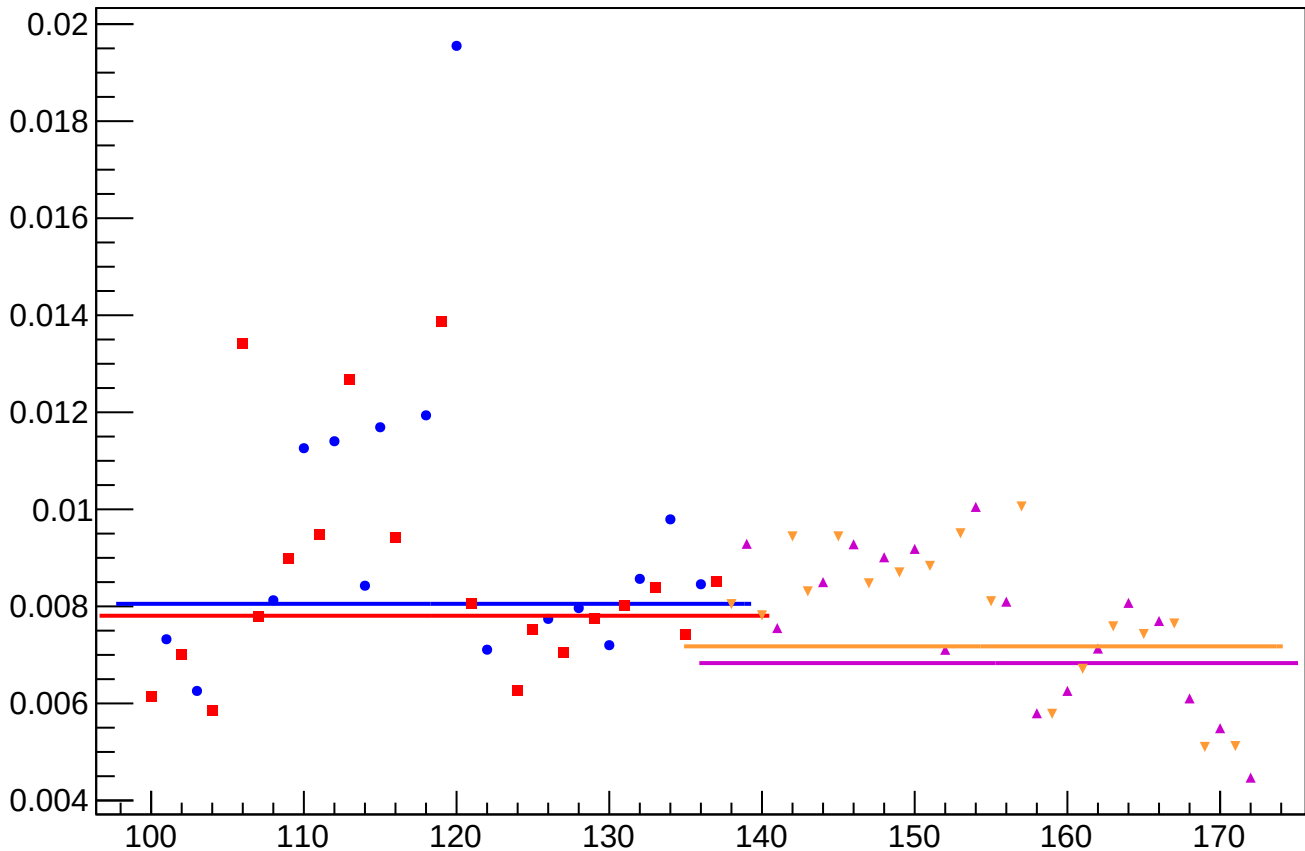
Left In: 1.230 $\pm$ 0.000 χ^2 /NDF: 35766880140.4/16

+ sign 1.037 $\pm$ 0.000 χ^2 /NDF: 72226168461.9/33

All: 1.045 $\pm$ 0.000 χ^2 /NDF: 142605699751.3

- sign 1.053 $\pm$ 0.000 χ^2 /NDF: 70339379297.7/35

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

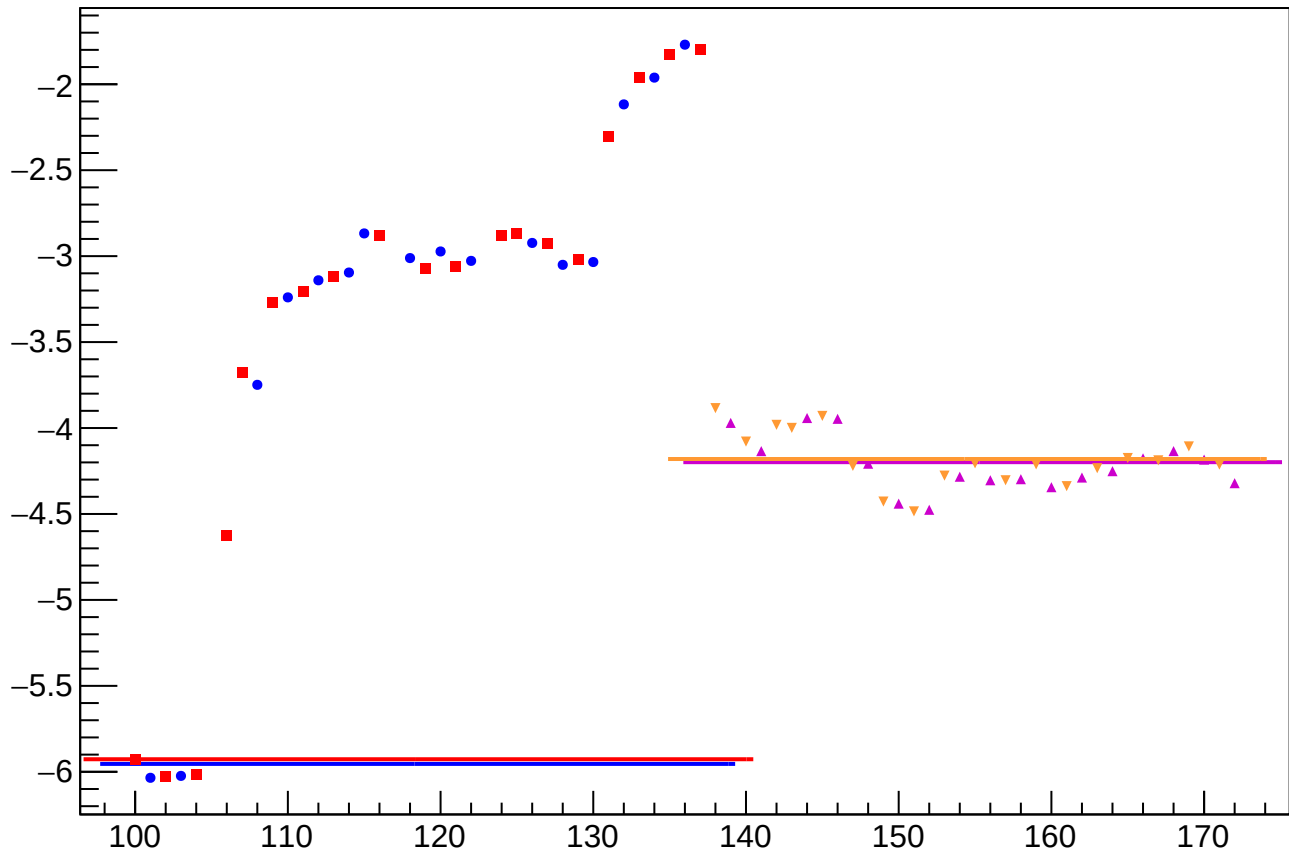
Left In: 0.007+/-0.000 χ^2/NDF : 1362824.5/16

+ sign 0.007+/-0.000 χ^2/NDF : 1873903.2/33

All: 0.007+/-0.000 χ^2/NDF : 4000423.1/69

- sign 0.007+/-0.000 χ^2/NDF : 2092499.4/35

yield_bpm0l03X_mean vs Slug



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

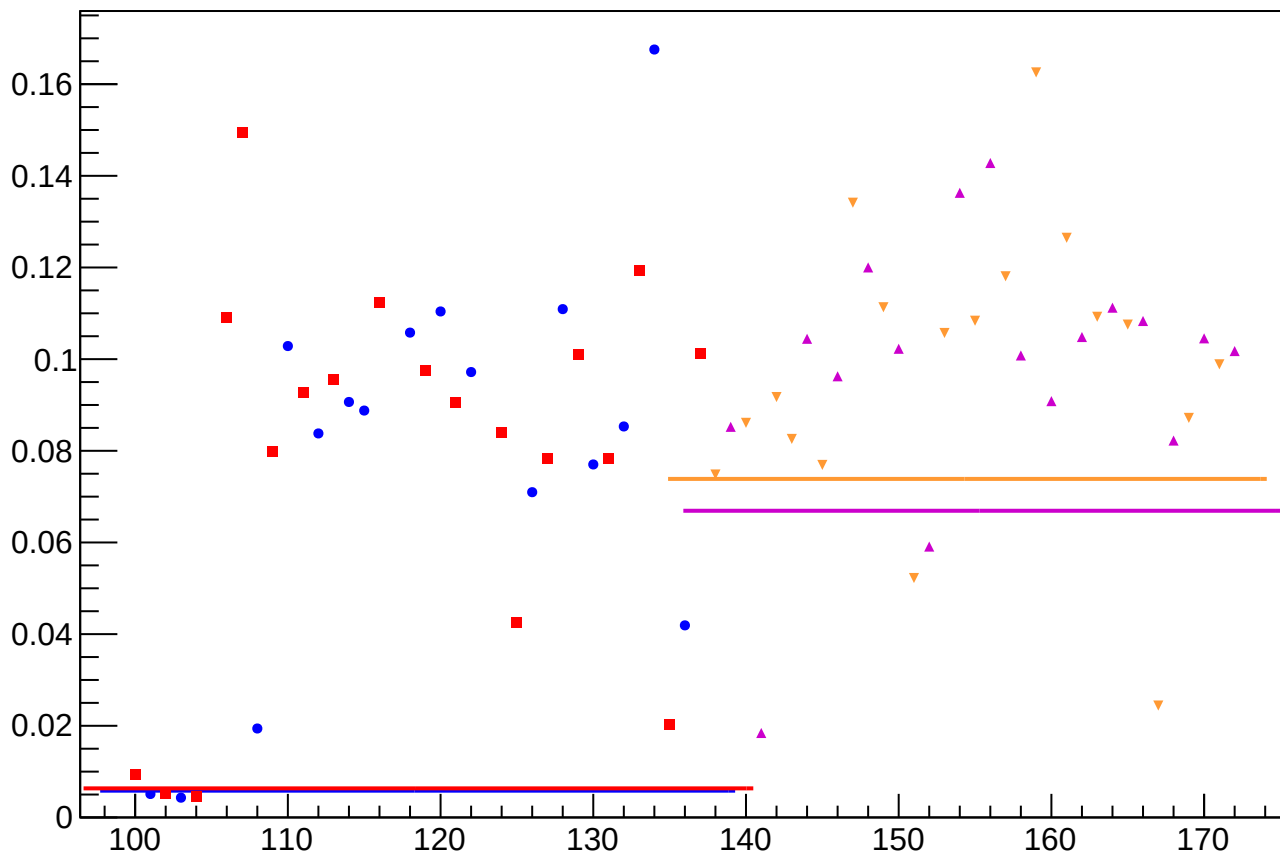
Left In: -4.199+/-0.000 χ^2/NDF : 41498858.3/16

+ sign -5.895+/-0.000 χ^2/NDF : 18597646950.5/33

All: -5.877+/-0.000 χ^2/NDF : 37878392557.0/35

- sign -5.855+/-0.000 χ^2/NDF : 19242452516.3/35

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8700553.3/15

Left Out: 0.074 $\pm$ 0.000 χ^2 /NDF:4354288.2/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8751831.3/18

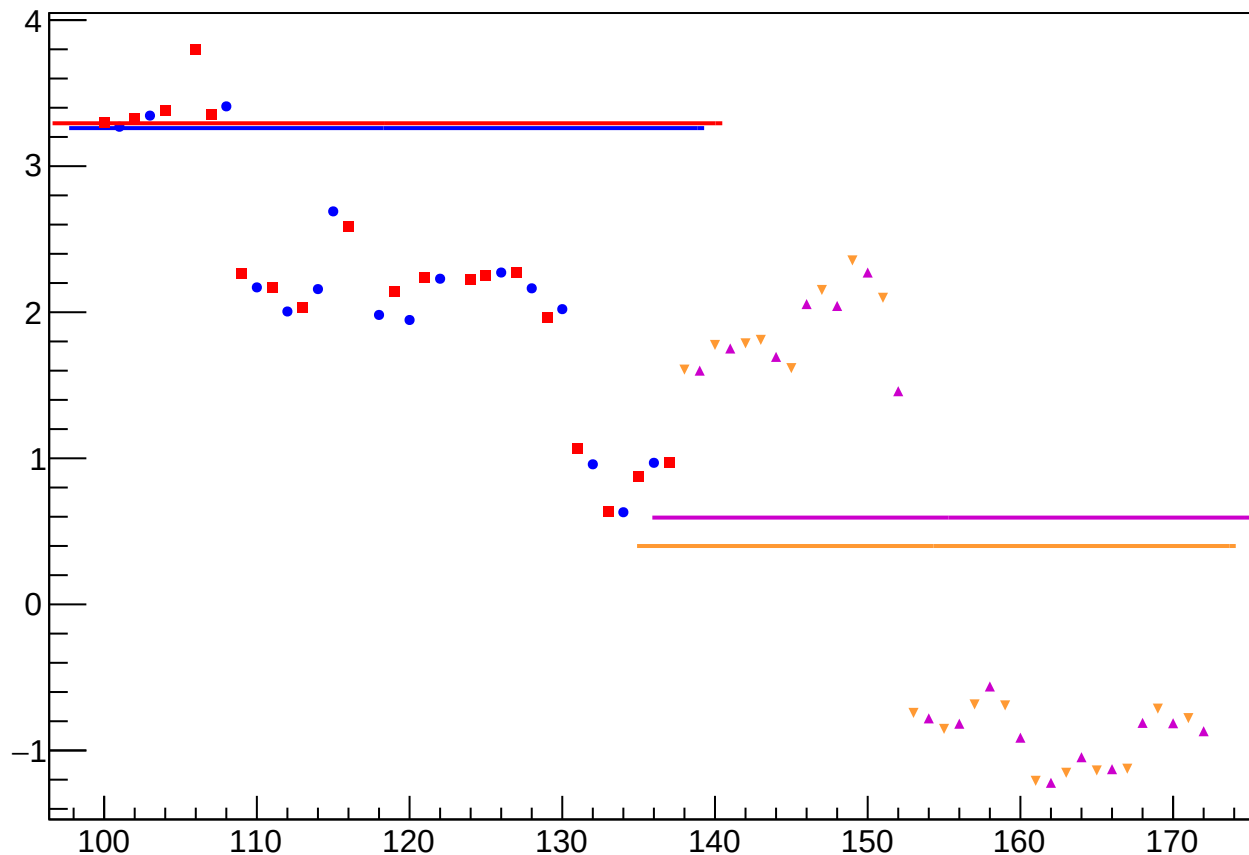
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF:6065491.6/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 29070181.7/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 56881491.4/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 27784317.2/35

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 3009624113.9/15

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF:3055352536.0/17

Right Out: 3.294 $\pm$ 0.000 χ^2 /NDF: 3243748149.8/18

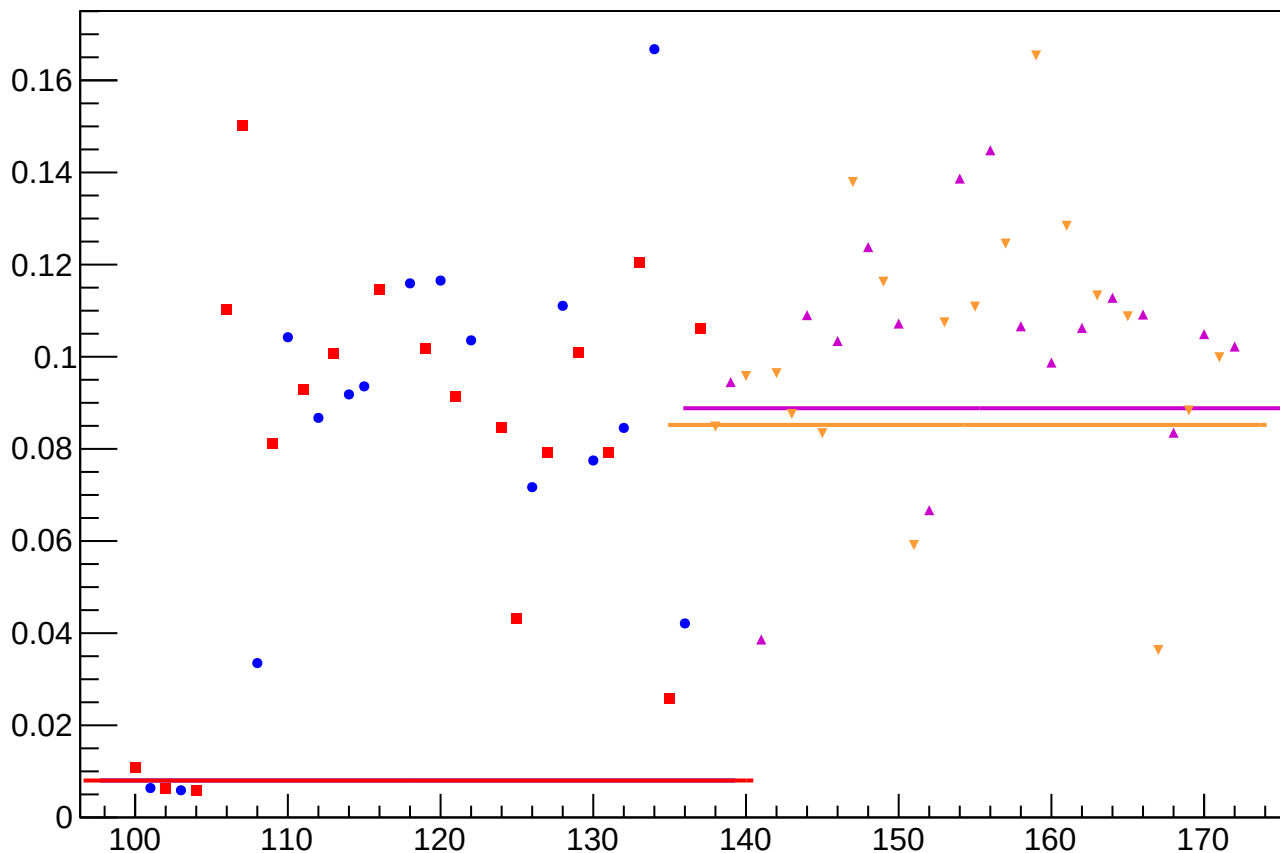
Left In: 0.594 $\pm$ 0.000 χ^2 /NDF:2345861794.4/16

+ sign 3.130 $\pm$ 0.000 χ^2 /NDF: 17630156910.8/33

All: 3.153 $\pm$ 0.000 χ^2 /NDF: 32439152880.0/6

- sign 3.177 $\pm$ 0.000 χ^2 /NDF: 14773952817.1/35

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8415681.1/15

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 2786773.4/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8542249.7/18

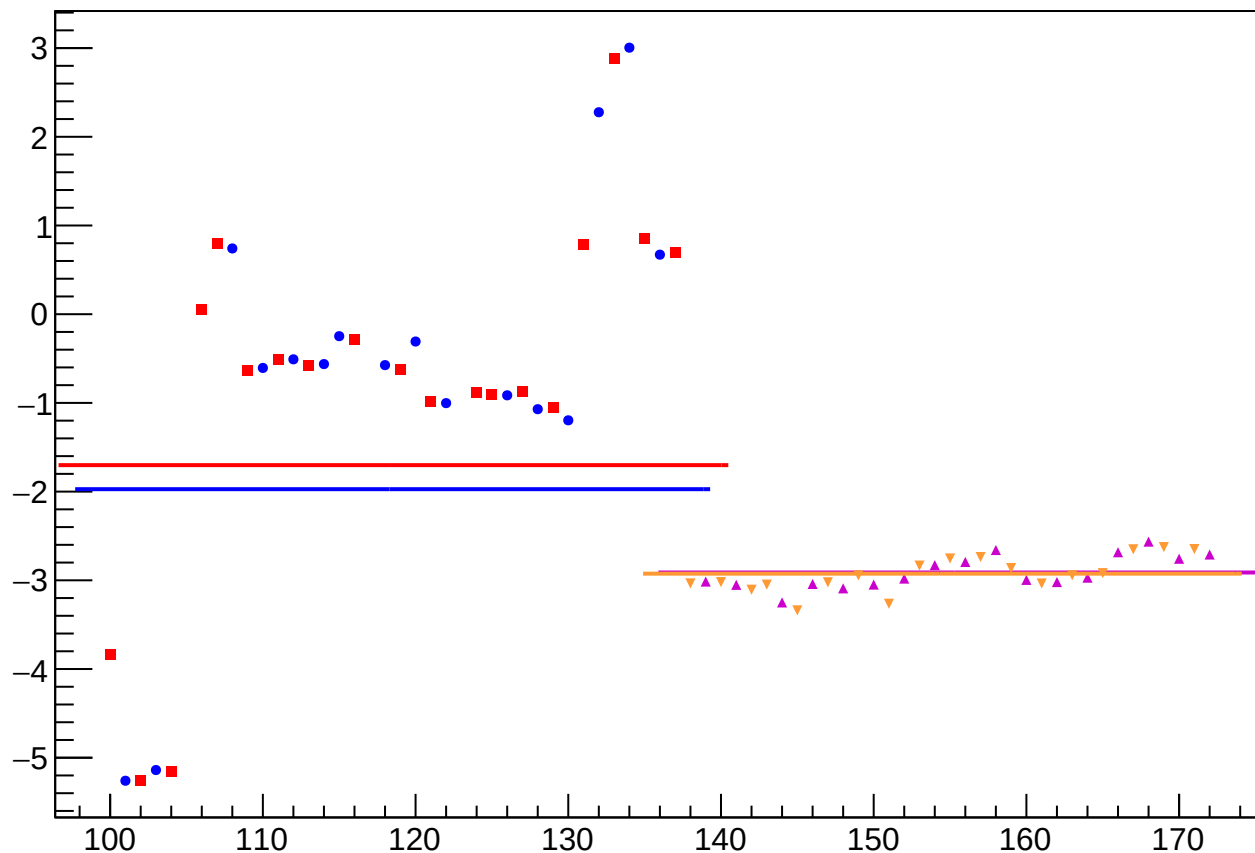
Left In: 0.089 $\pm$ 0.000 χ^2 /NDF: 2316102.3/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 28038387.9/33

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 55355386.4/69

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 27316953.9/35

yield_bpm0l04X_mean vs Slug



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

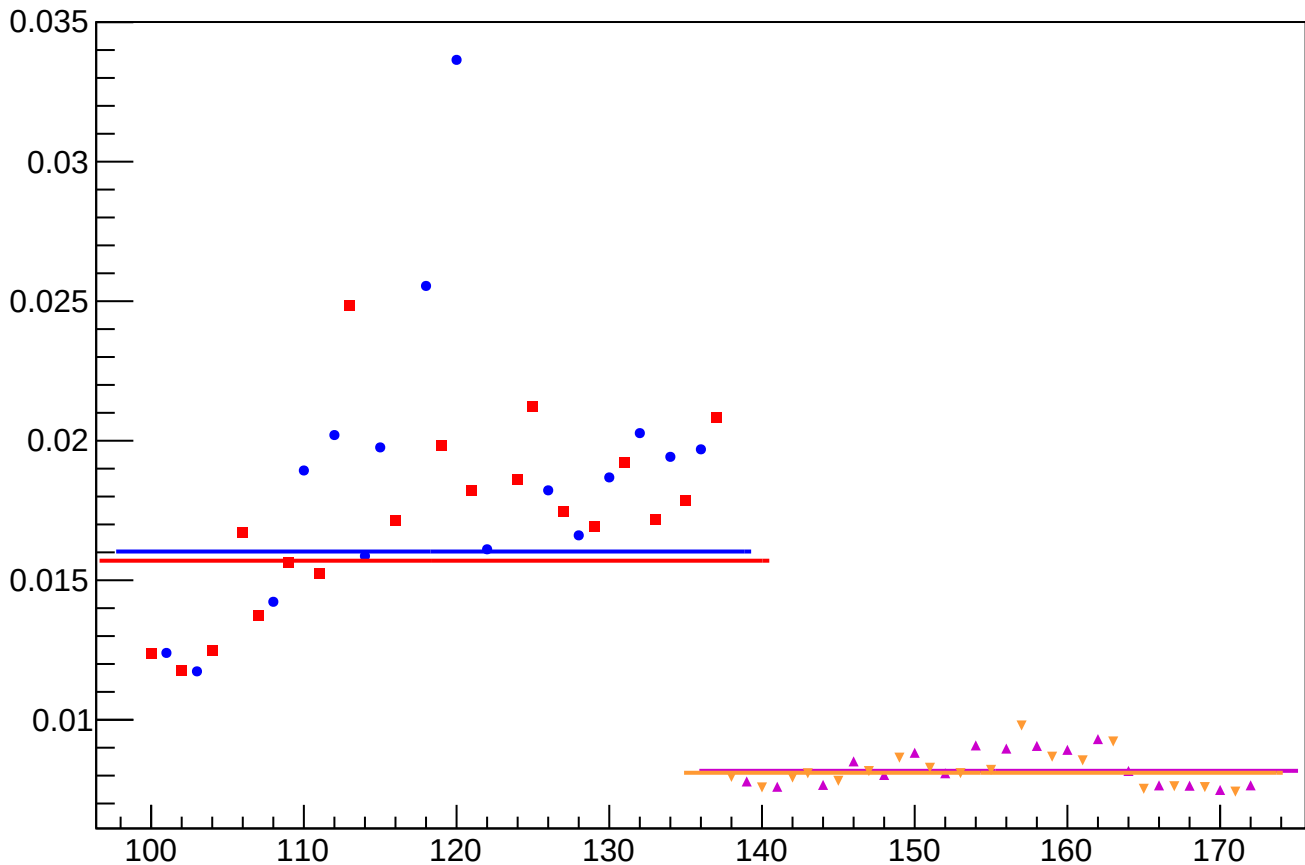
Left In: -2.912+/-0.000 χ^2/NDF : 7175694158.9/16

+ sign -2.830+/-0.000 χ^2/NDF : 189039380707.5/33

All: -2.802+/-0.000 χ^2/NDF : 398234740672.3

- sign -2.773+/-0.000 χ^2/NDF : 208821138834.2/35

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 735736.8/15

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 131335.9/17

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 504766.0/18

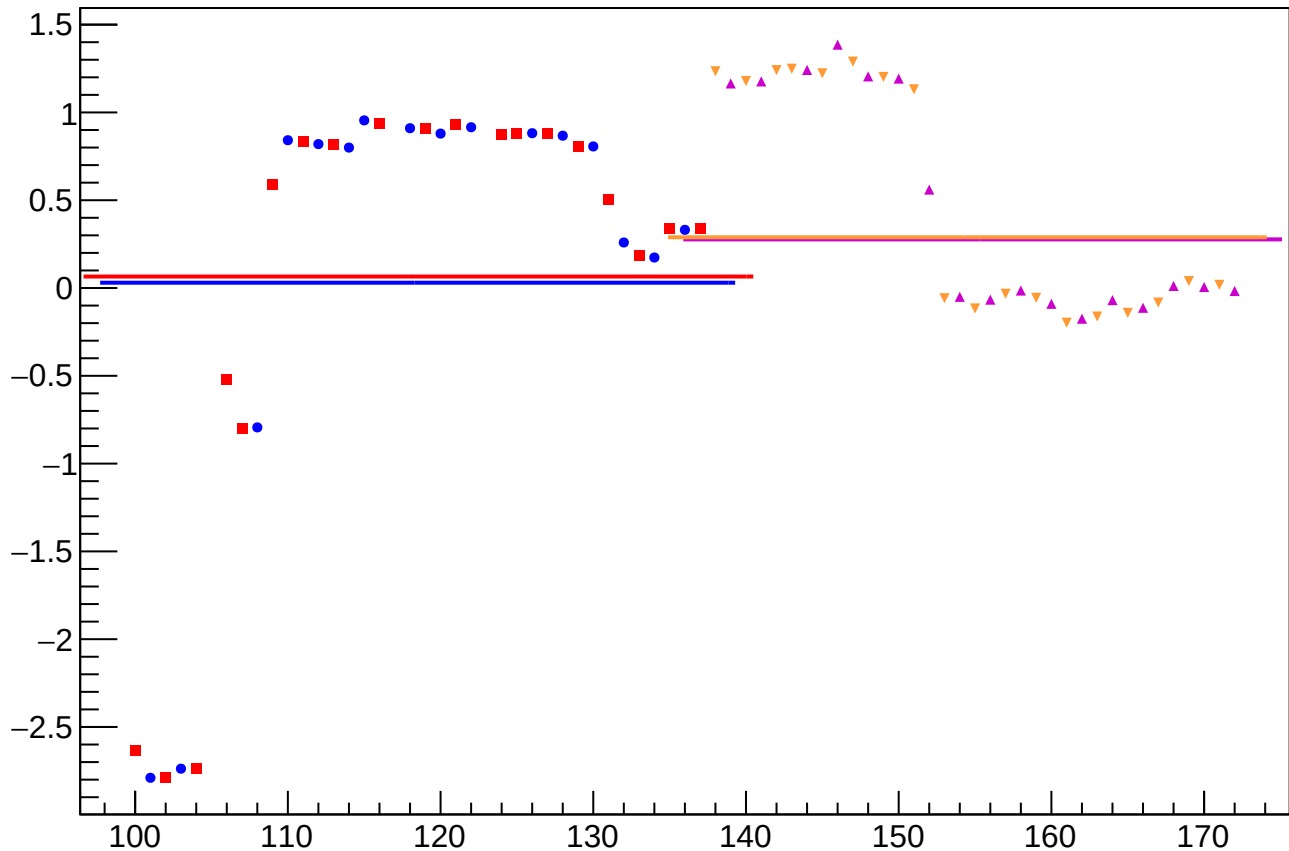
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 145702.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3431946.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6679968.1/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3243159.2/35

yield_bpm0l04Y_mean vs Slug



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

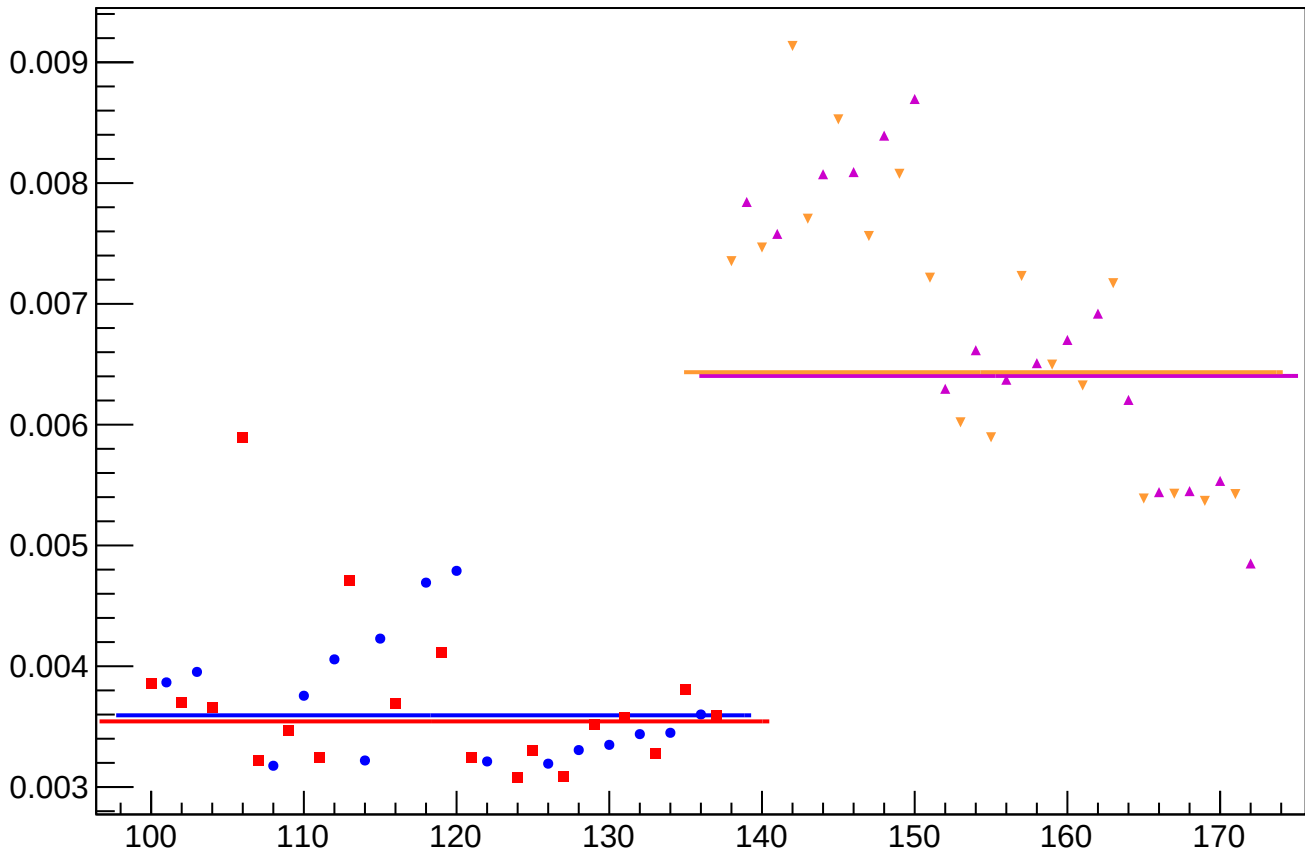
Left In: 0.277+/-0.000 χ^2/NDF : 82013042474.5/16

+ sign 0.122+/-0.000 χ^2/NDF : 961131428473.5/33

All: 0.130+/-0.000 χ^2/NDF : 1987227271388.

- sign 0.137+/-0.000 χ^2/NDF : 1026003733330.6/35

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

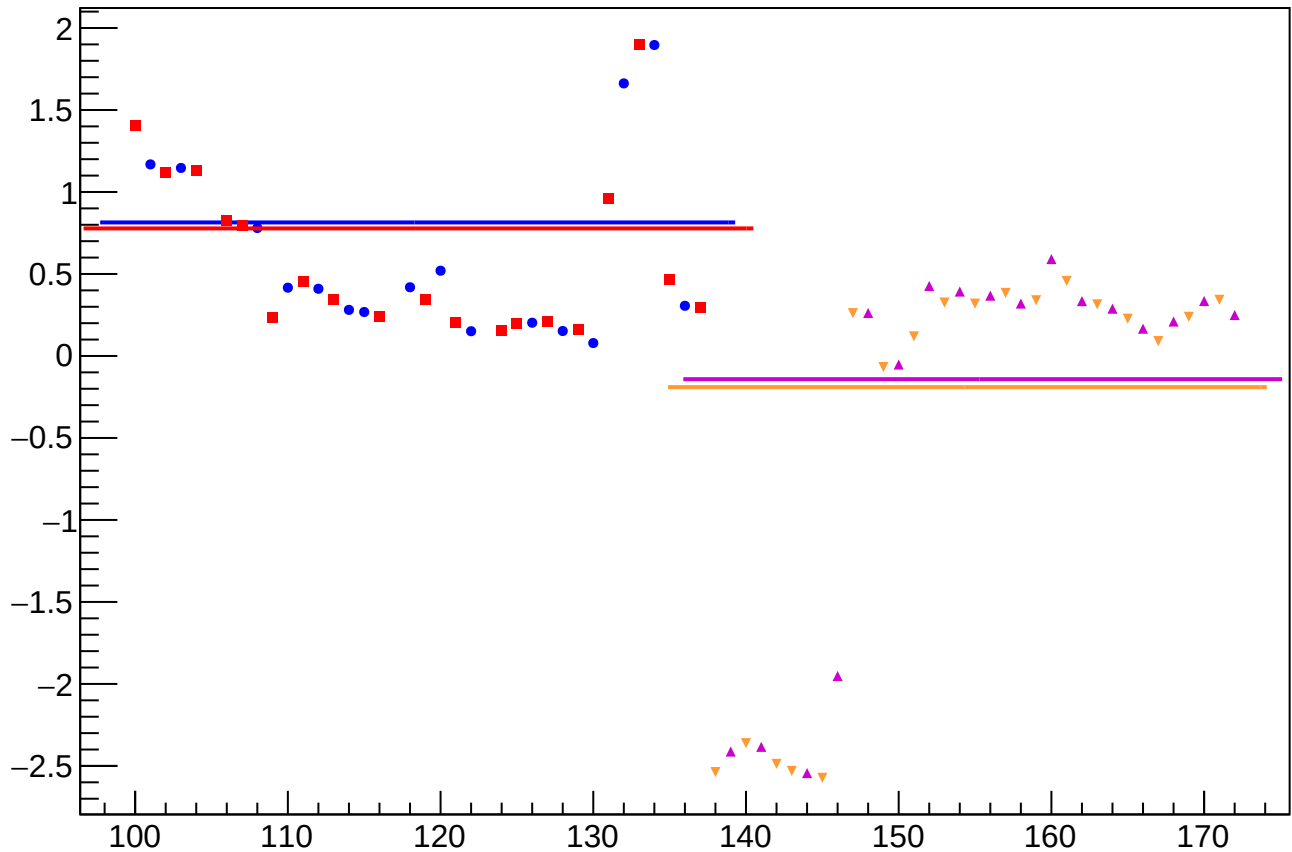
Left In: 0.006+/-0.000 χ^2/NDF : 686284.3/16

+ sign 0.005+/-0.000 χ^2/NDF : 3758352.8/33

All: 0.005+/-0.000 χ^2/NDF : 7786324.2/69

- sign 0.005+/-0.000 χ^2/NDF : 4021334.1/35

yield_bpm0l05X_mean vs Slug



Right In: 0.814 $\pm$ 0.000 χ^2 /NDF: 35412149008.2/15

Left Out: -0.190 $\pm$ 0.000 χ^2 /NDF: 373384293040.9/17

Right Out: 0.778 $\pm$ 0.000 χ^2 /NDF: 34603328062.2/18

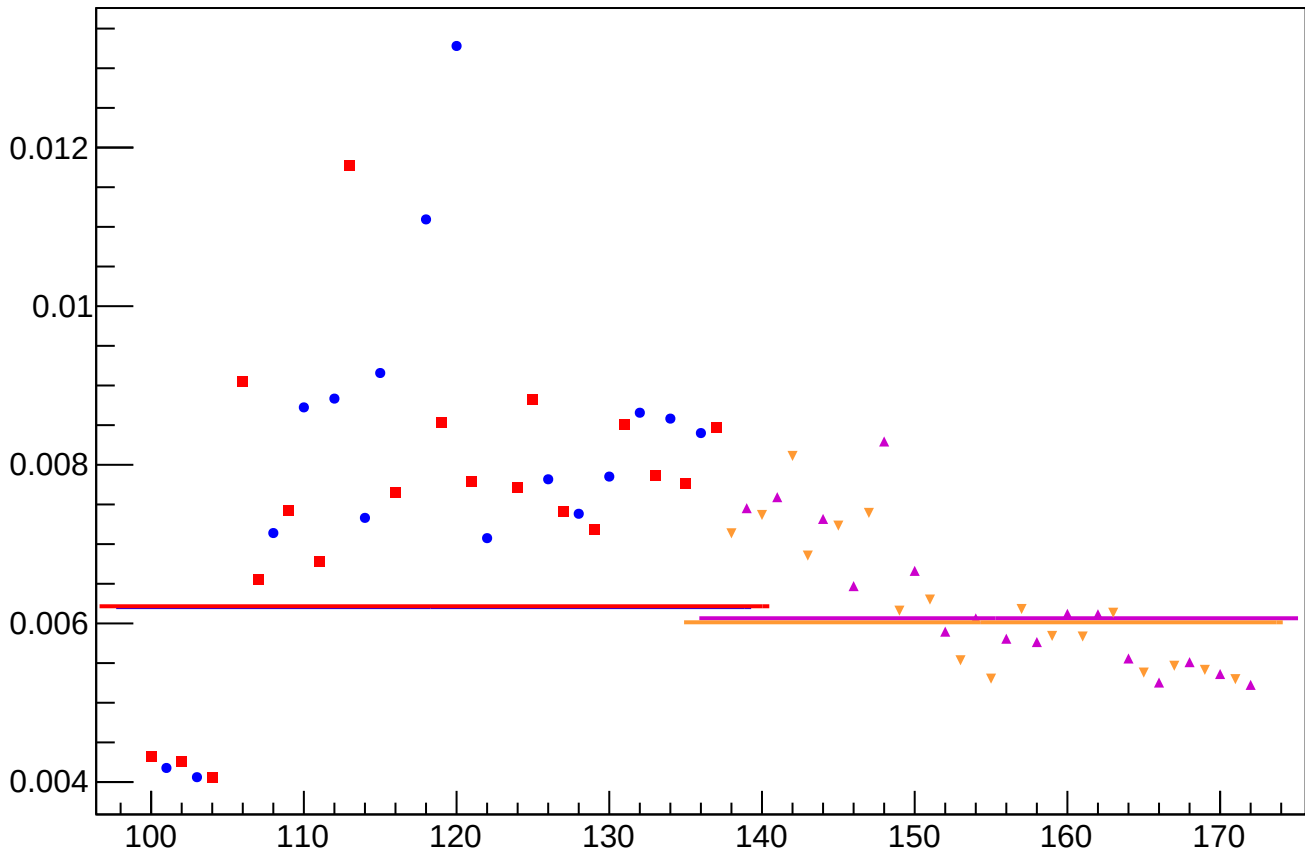
Left In: -0.141 $\pm$ 0.000 χ^2 /NDF: 337714552909.5/16

+ sign 0.102 $\pm$ 0.000 χ^2 /NDF: 512035080784.3/33

All: 0.124 $\pm$ 0.000 χ^2 /NDF: 975269936565.6

- sign 0.145 $\pm$ 0.000 χ^2 /NDF: 462779912637.0/35

yield_bpm0l05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1423886.1/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:366400.1/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1161117.9/18

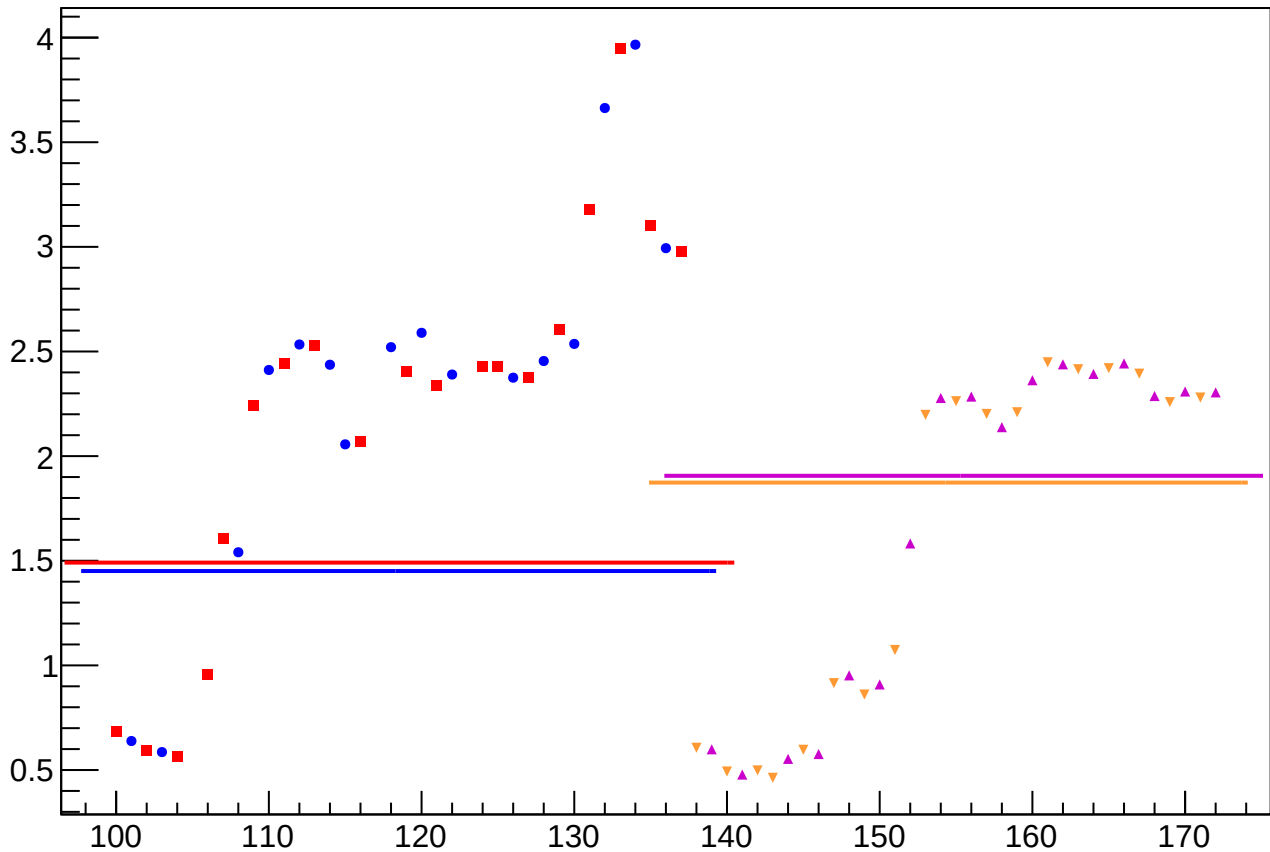
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:413080.0/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1797813.6/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 3377791.9/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1579090.6/35

yield_bpm0l05Y_mean vs Slug



Right In: 1.451 $\pm$ 0.000 χ^2/NDF : 169635774704.4/15

Left Out: 1.874 $\pm$ 0.000 χ^2/NDF : 199346132390.3/17

Right Out: 1.491 $\pm$ 0.000 χ^2/NDF : 186952709821.0/18

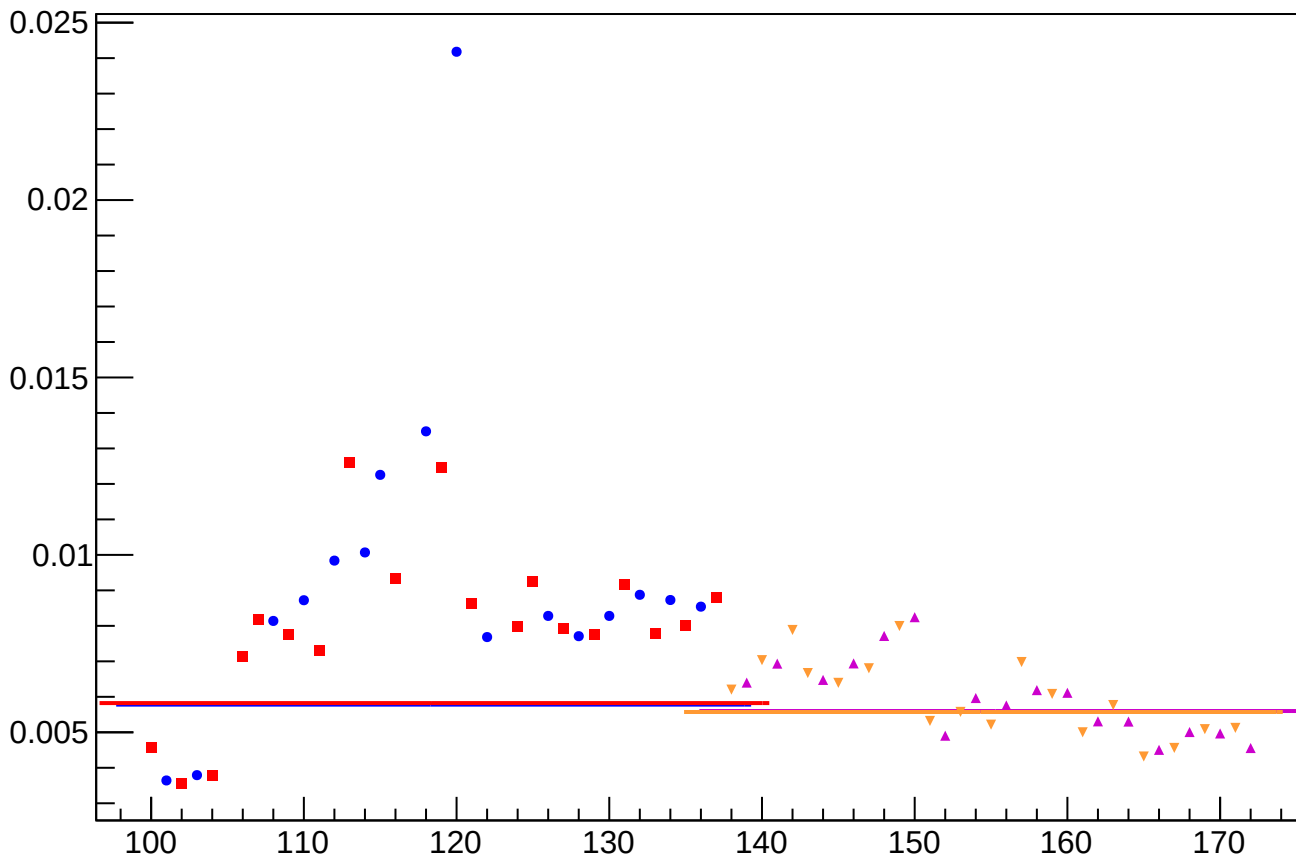
Left In: 1.906 $\pm$ 0.000 χ^2/NDF : 176840355433.7/16

+ sign 1.753 $\pm$ 0.000 χ^2/NDF : 388097440279.9/33

All: 1.766 $\pm$ 0.000 χ^2/NDF : 771374147109.2

- sign 1.779 $\pm$ 0.000 χ^2/NDF : 383089118912.7/35

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

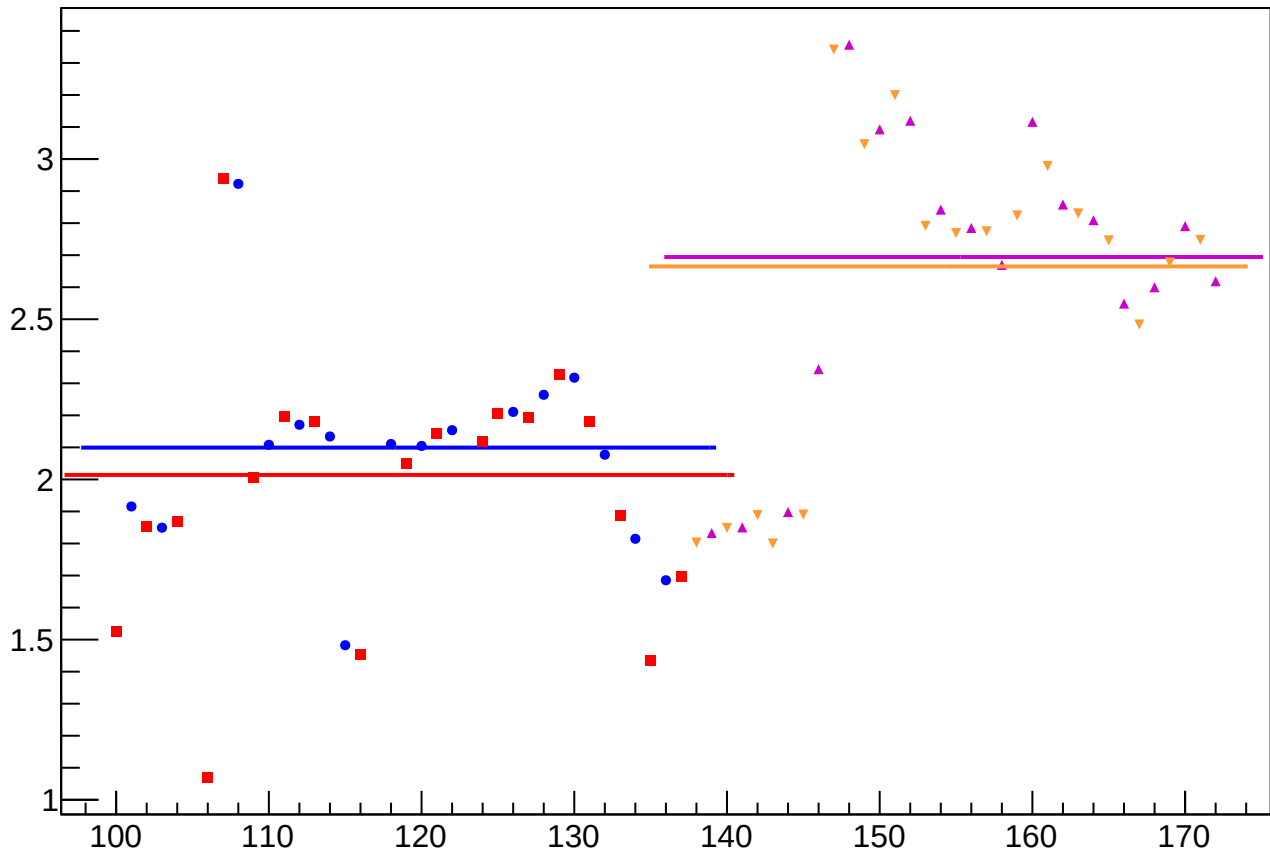
Left In: 0.006+/-0.000 χ^2/NDF : 645492.5/16

+ sign 0.006+/-0.000 χ^2/NDF : 2846646.9/33

All: 0.006+/-0.000 χ^2/NDF : 5459810.1/69

- sign 0.006+/-0.000 χ^2/NDF : 2612470.9/35

yield_bpm0l06X_mean vs Slug



Right In: 2.099 $\pm$ 0.000 χ^2 /NDF: 13928556396.8/15

Left Out: 2.665 $\pm$ 0.000 χ^2 /NDF: 43532575070.6/17

Right Out: 2.014 $\pm$ 0.000 χ^2 /NDF: 19615856596.5/18

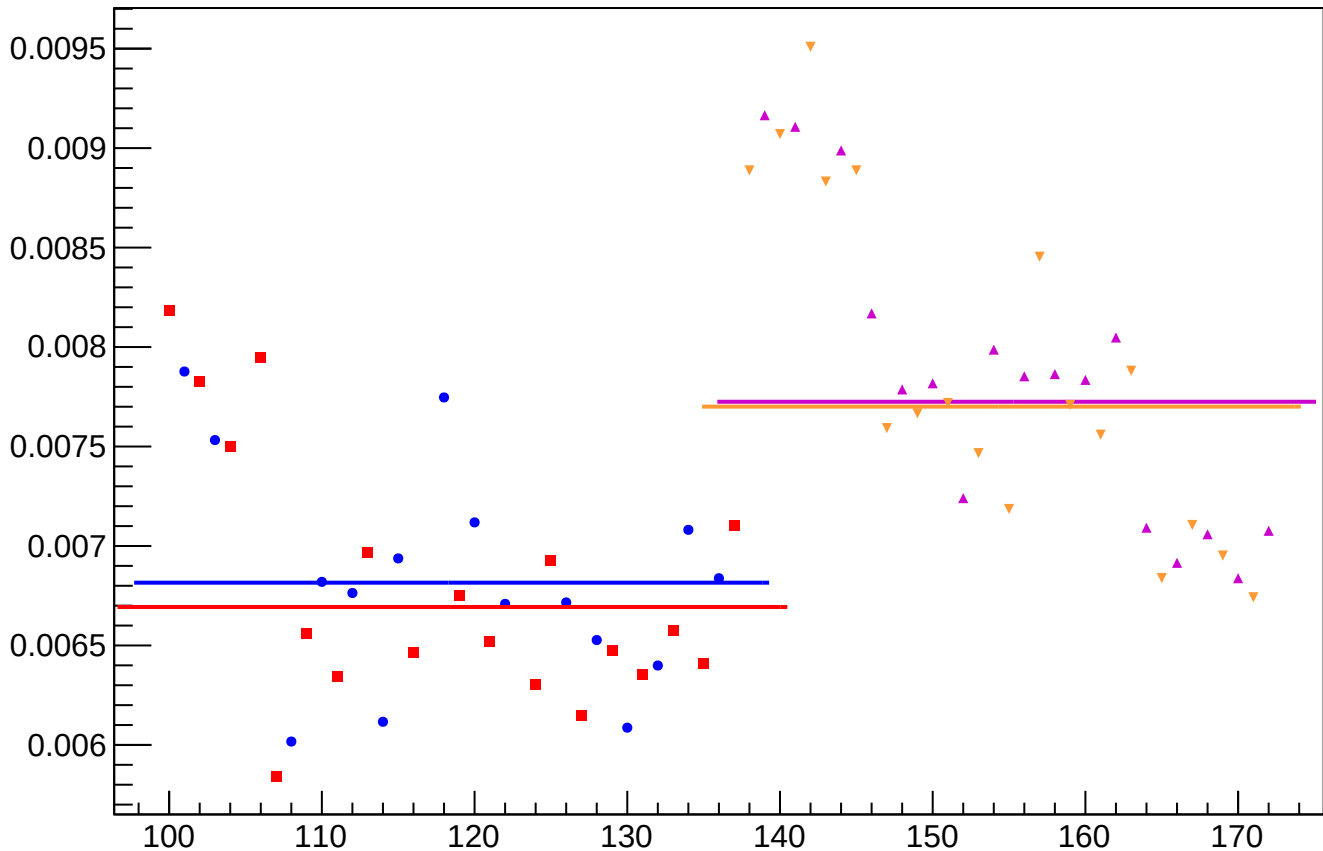
Left In: 2.694 $\pm$ 0.000 χ^2 /NDF: 36855110649.1/16

+ sign 2.441 $\pm$ 0.000 χ^2 /NDF: 85846714621.5/33

All: 2.425 $\pm$ 0.000 χ^2 /NDF: 185355175334.2

- sign 2.409 $\pm$ 0.000 χ^2 /NDF: 99320849713.8/35

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

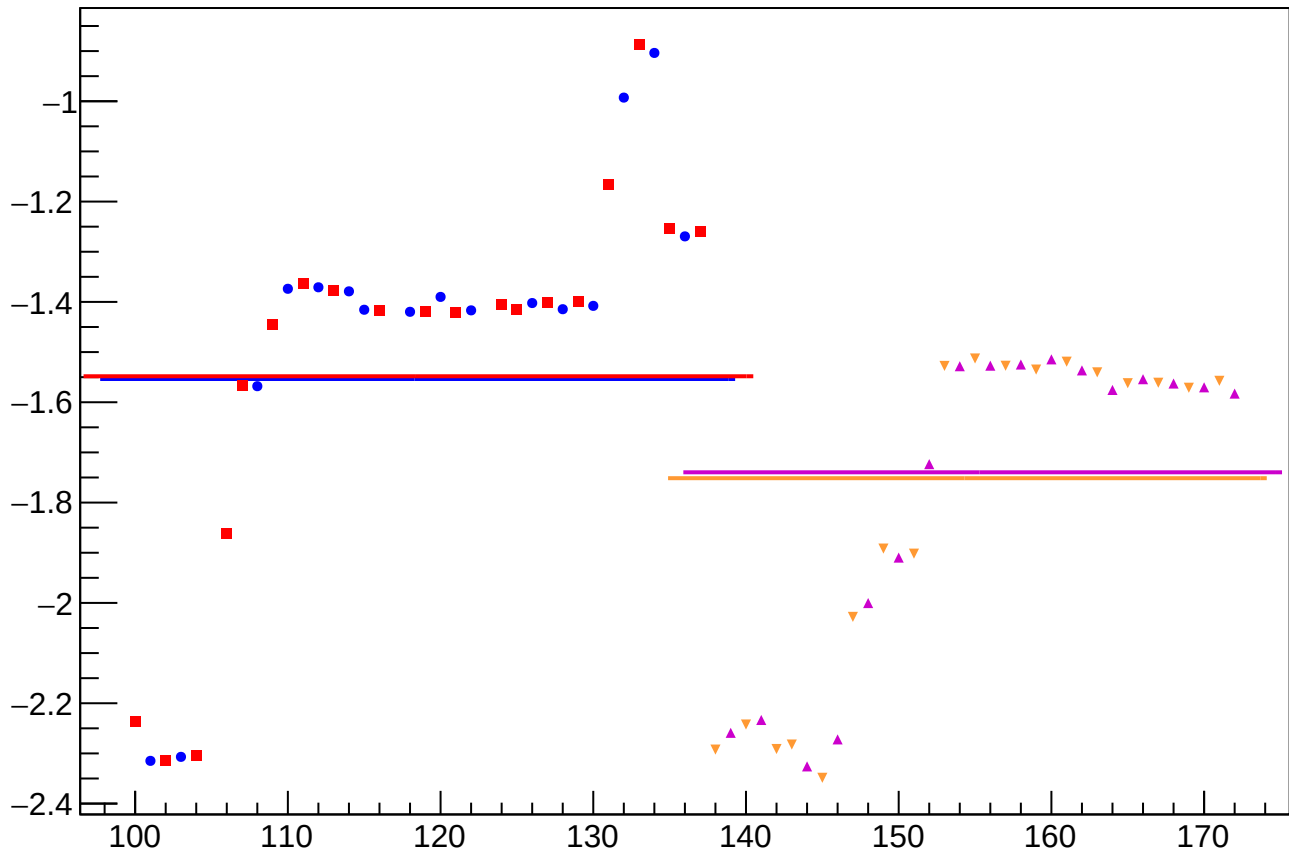
Left In: 0.008+/-0.000 χ^2/NDF :208142.2/16

+ sign 0.007+/-0.000 χ^2/NDF : 469810.4/33

All: 0.007+/-0.000 χ^2/NDF : 964247.2/69

- sign 0.007+/-0.000 χ^2/NDF : 493208.6/35

yield_bpm0l06Y_mean vs Slug



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

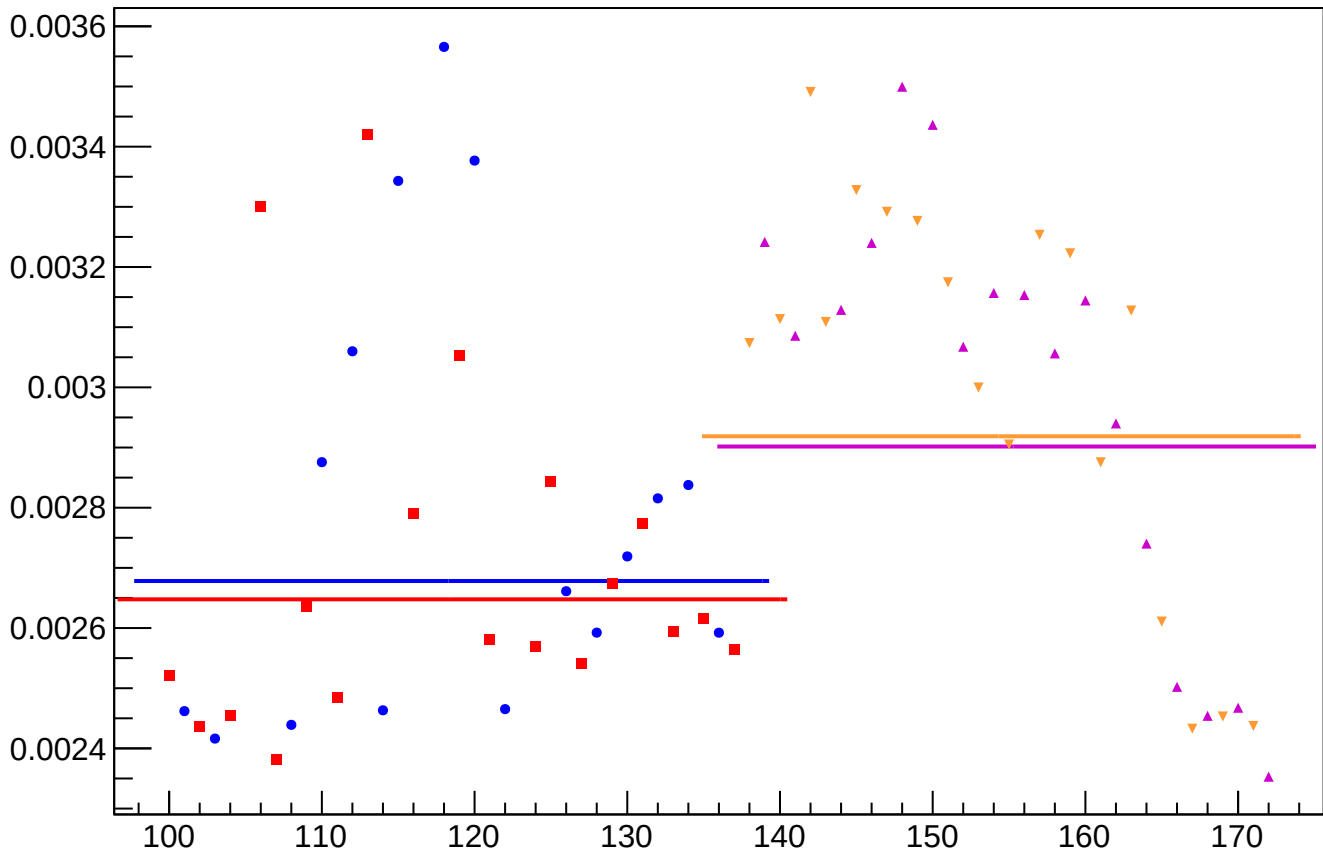
Left In: -1.740 ± 0.000 χ^2/NDF : 130344658443.7/16

+ sign -1.676 ± 0.000 χ^2/NDF : 340628890819.5/33

All: -1.670 ± 0.000 χ^2/NDF : 668112351104.3

- sign -1.664 ± 0.000 χ^2/NDF : 327297377337.8/35

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

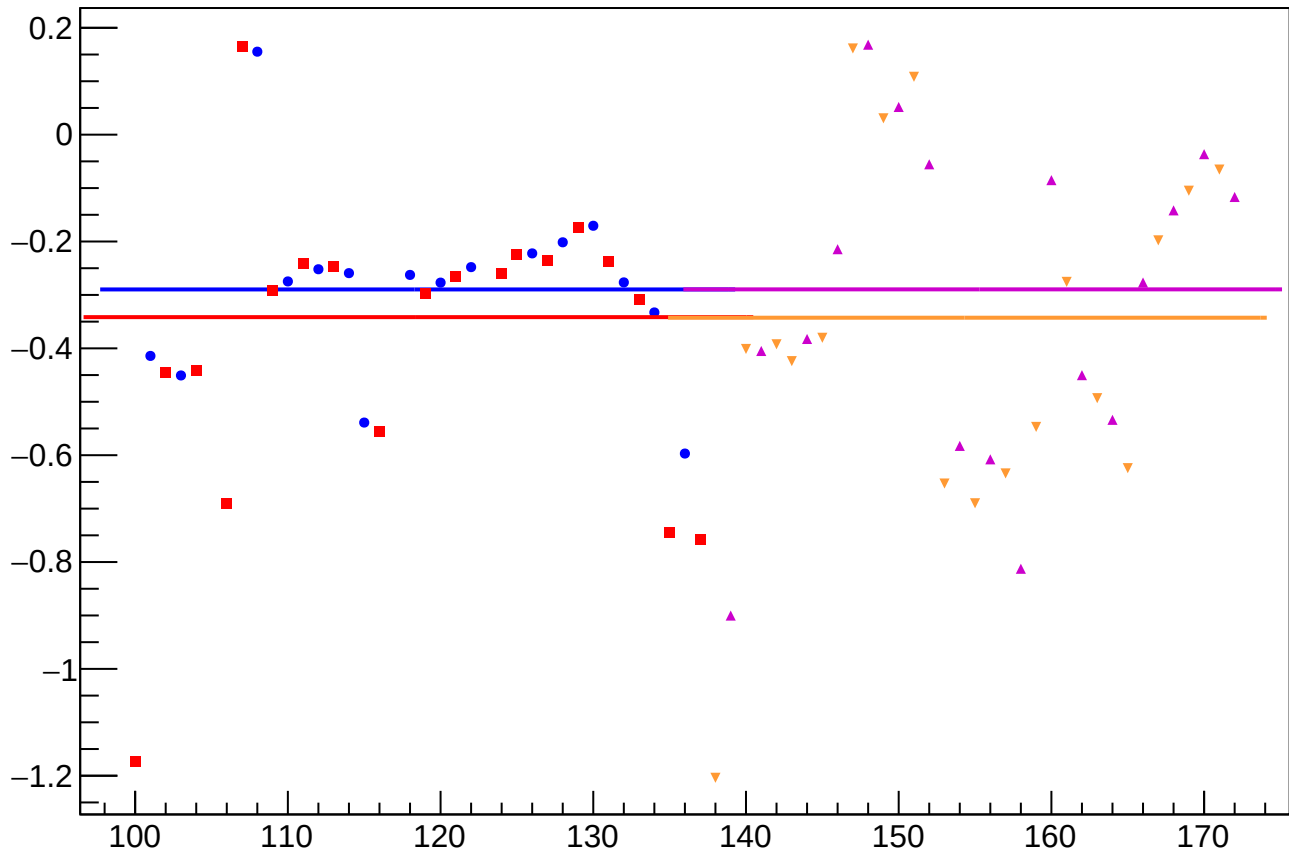
Left In: 0.003+/-0.000 χ^2/NDF : 398012.8/16

+ sign 0.003+/-0.000 χ^2/NDF : 569190.5/33

All: 0.003+/-0.000 χ^2/NDF : 1163213.6/69

- sign 0.003+/-0.000 χ^2/NDF : 592345.2/35

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

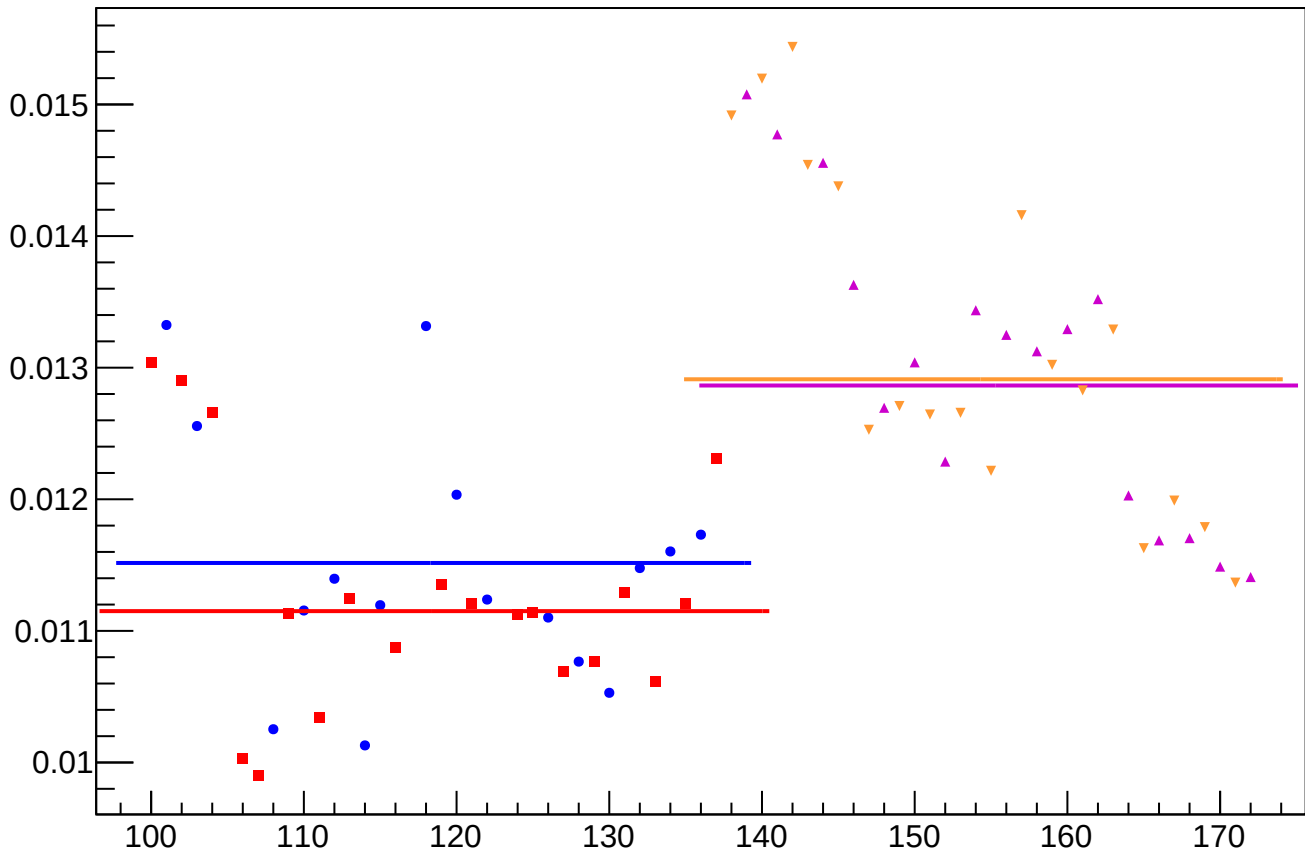
Left In: -0.290 ± 0.000 χ^2/NDF : 6739836948.9/16

+ sign -0.322 ± 0.000 χ^2/NDF : 10135043465.5/33

All: -0.317 ± 0.000 χ^2/NDF : 19582136412.4/34

- sign -0.312 ± 0.000 χ^2/NDF : 9440056603.5/35

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 84278.9/15

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:204547.9/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 70560.1/18

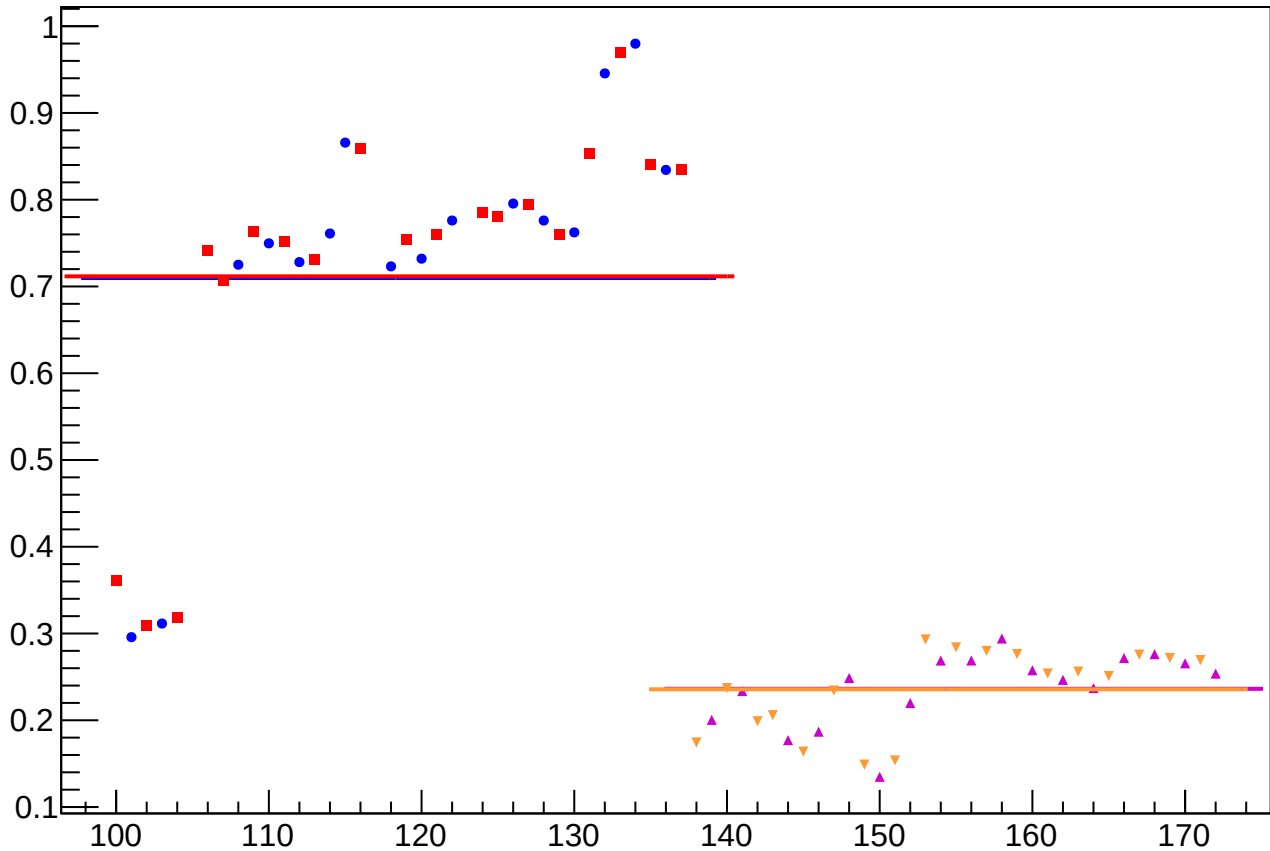
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:185395.0/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 411820.5/33

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 872373.1/69

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 453908.9/35

yield_bpm0l07Y_mean vs Slug



Right In: 0.710 $\pm$ 0.000 χ^2 /NDF: 48924347494.6/15

Left Out: 0.236 $\pm$ 0.000 χ^2 /NDF: 6715153967.7/17

+ sign 0.362 $\pm$ 0.000 χ^2 /NDF: 239568788318.6/33

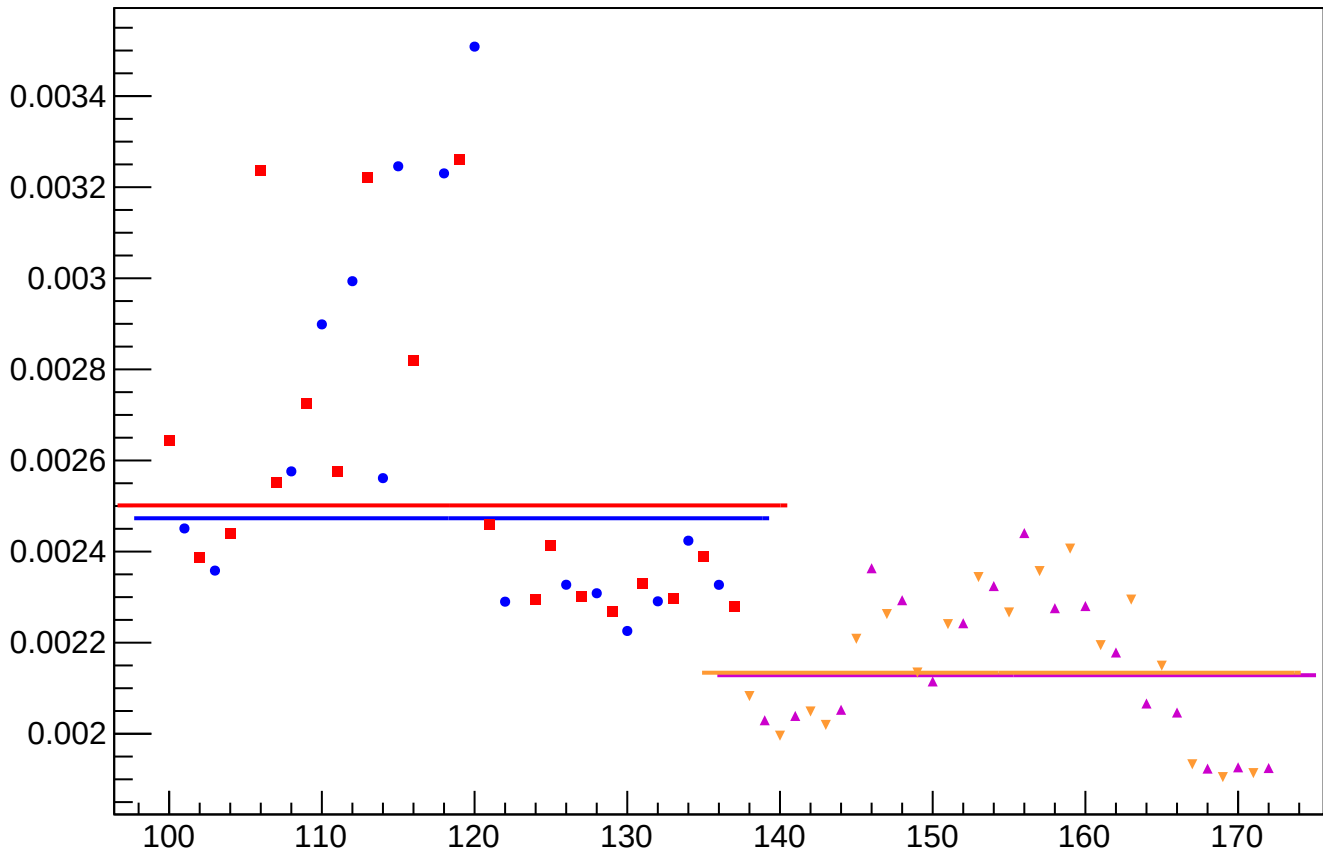
Right Out: 0.712 $\pm$ 0.000 χ^2 /NDF: 44174681920.8/18

All: 0.363 $\pm$ 0.000 χ^2 /NDF: 474725606118.6

Left In: 0.236 $\pm$ 0.000 χ^2 /NDF: 5283936691.3/16

- sign 0.364 $\pm$ 0.000 χ^2 /NDF: 235142785798.1/35

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

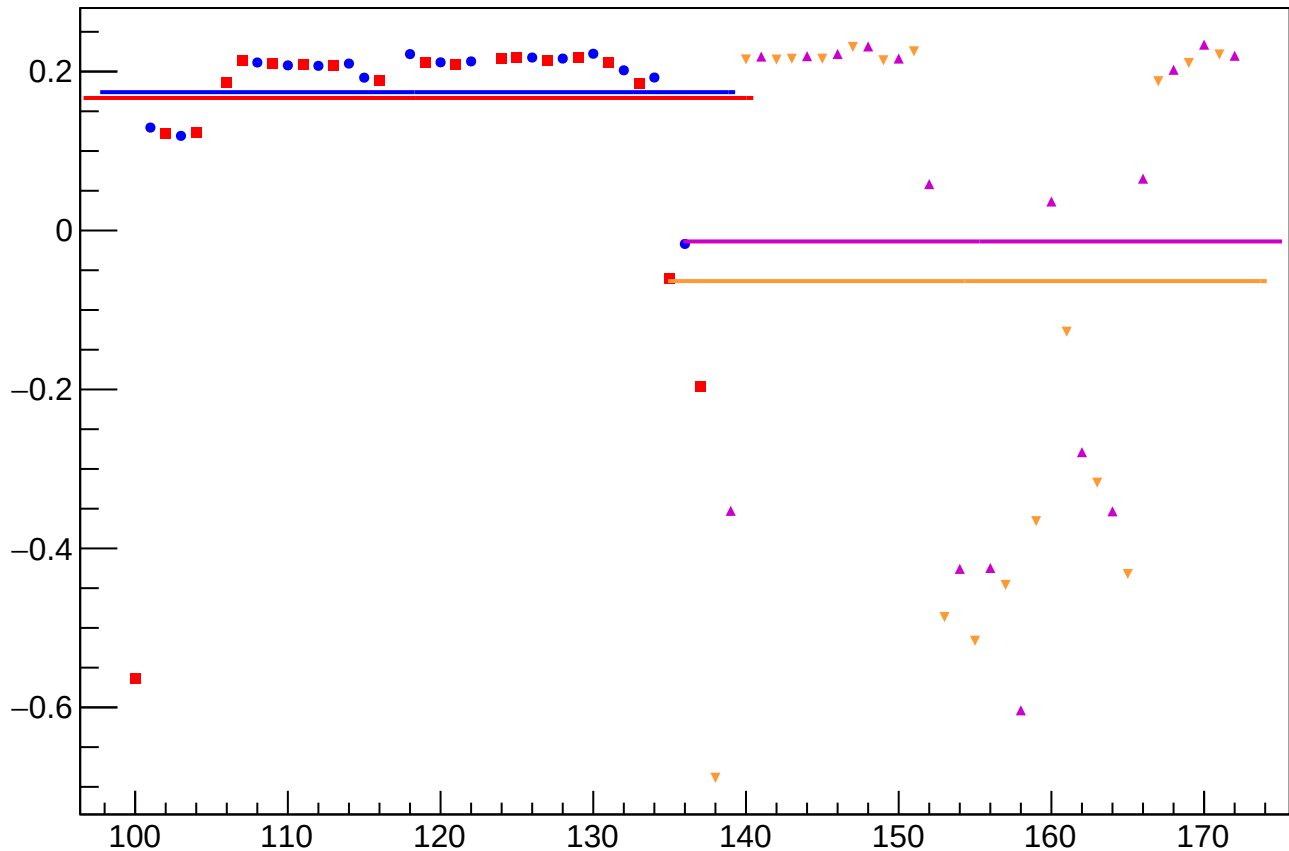
Left In: 0.002+/-0.000 χ^2/NDF :153129.2/16

+ sign 0.002+/-0.000 χ^2/NDF : 549678.9/33

All: 0.002+/-0.000 χ^2/NDF : 1108681.6/69

- sign 0.002+/-0.000 χ^2/NDF : 558908.1/35

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

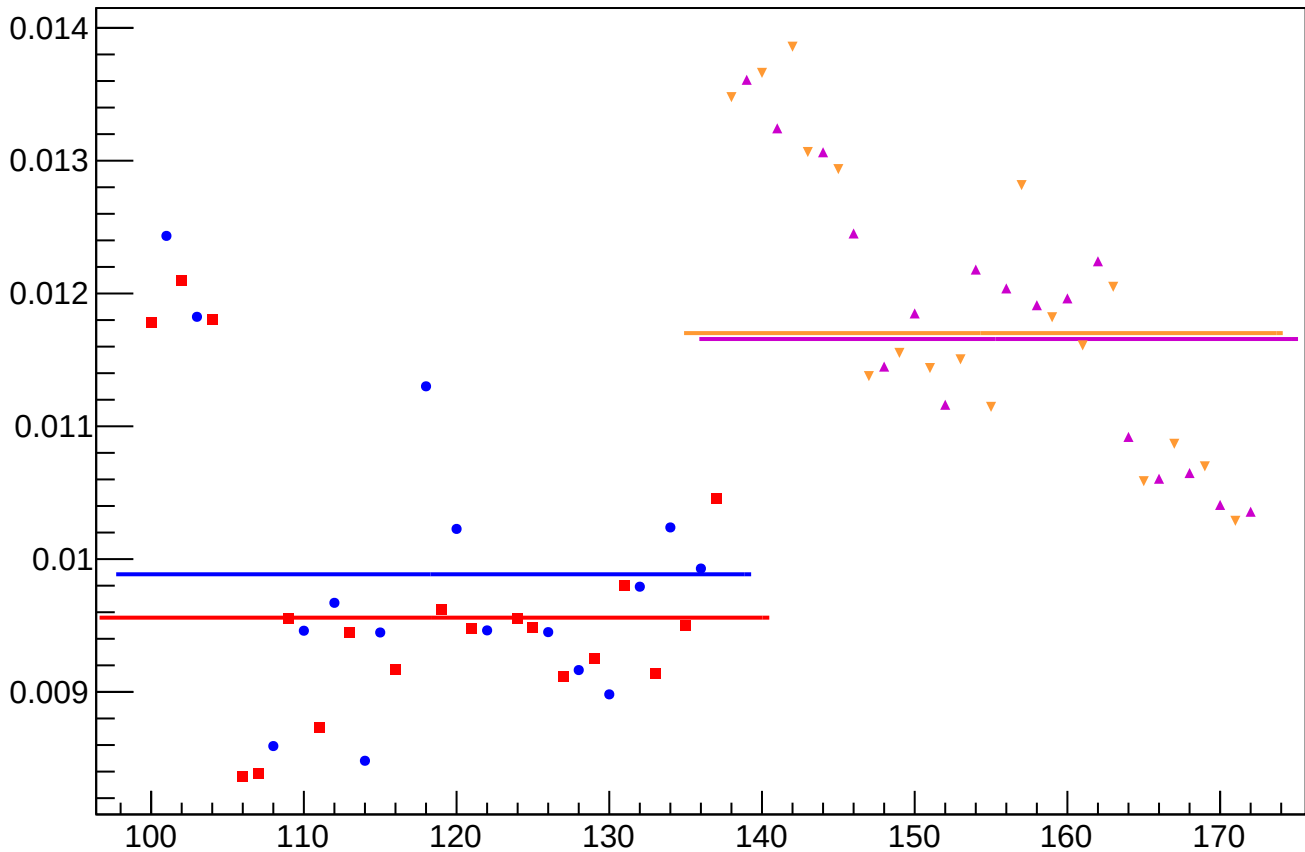
Left In: -0.014+/-0.000 χ^2/NDF : 8145039802.7/16

+ sign 0.036+/-0.000 χ^2/NDF : 13165349290.5/33

All: 0.052+/-0.000 χ^2/NDF : 23707193134.1/6

- sign 0.067+/-0.000 χ^2/NDF : 10457310534.4/35

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 148562.0/15

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:191511.1/17

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 136197.0/18

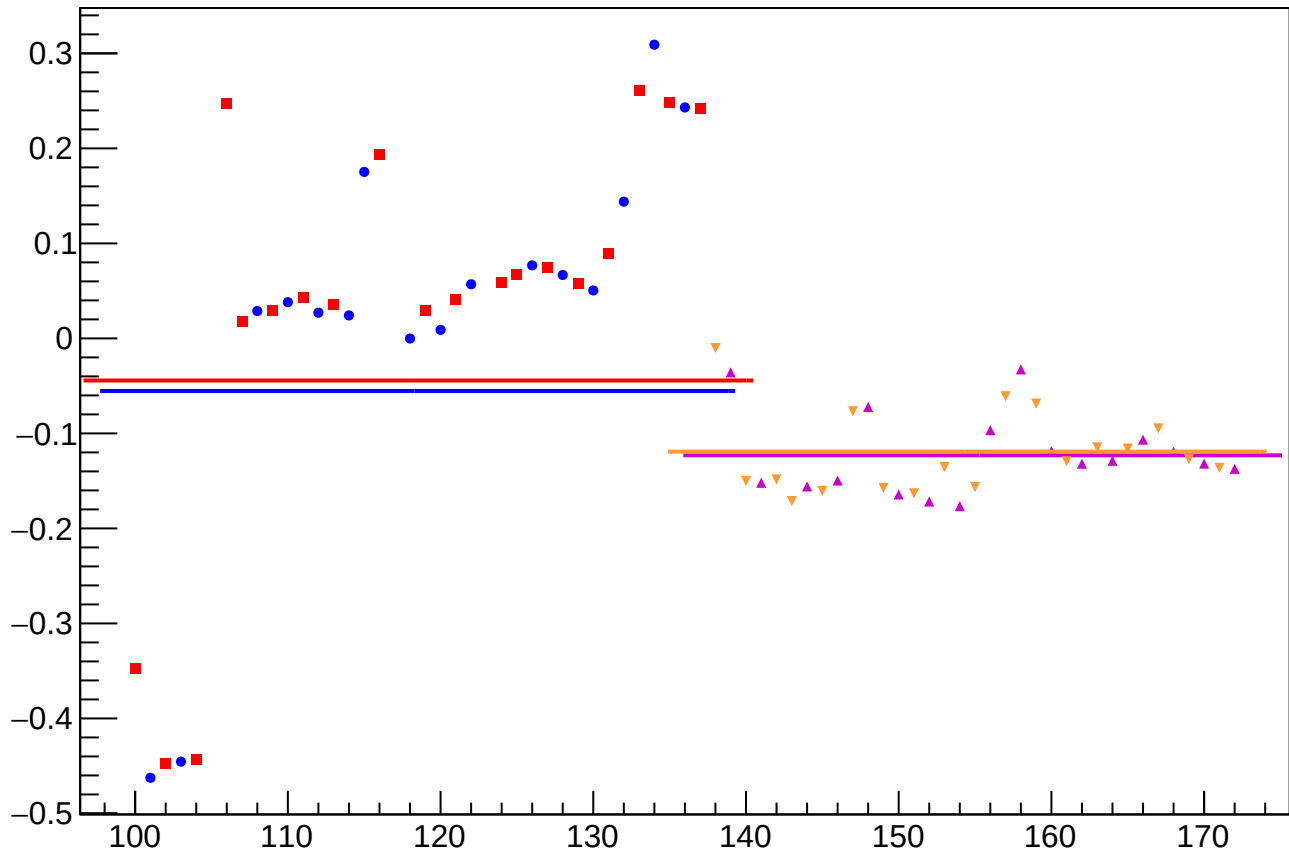
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:175592.6/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 609581.2/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1313254.1/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 694965.3/35

yield_bpm0l08Y_mean vs Slug



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

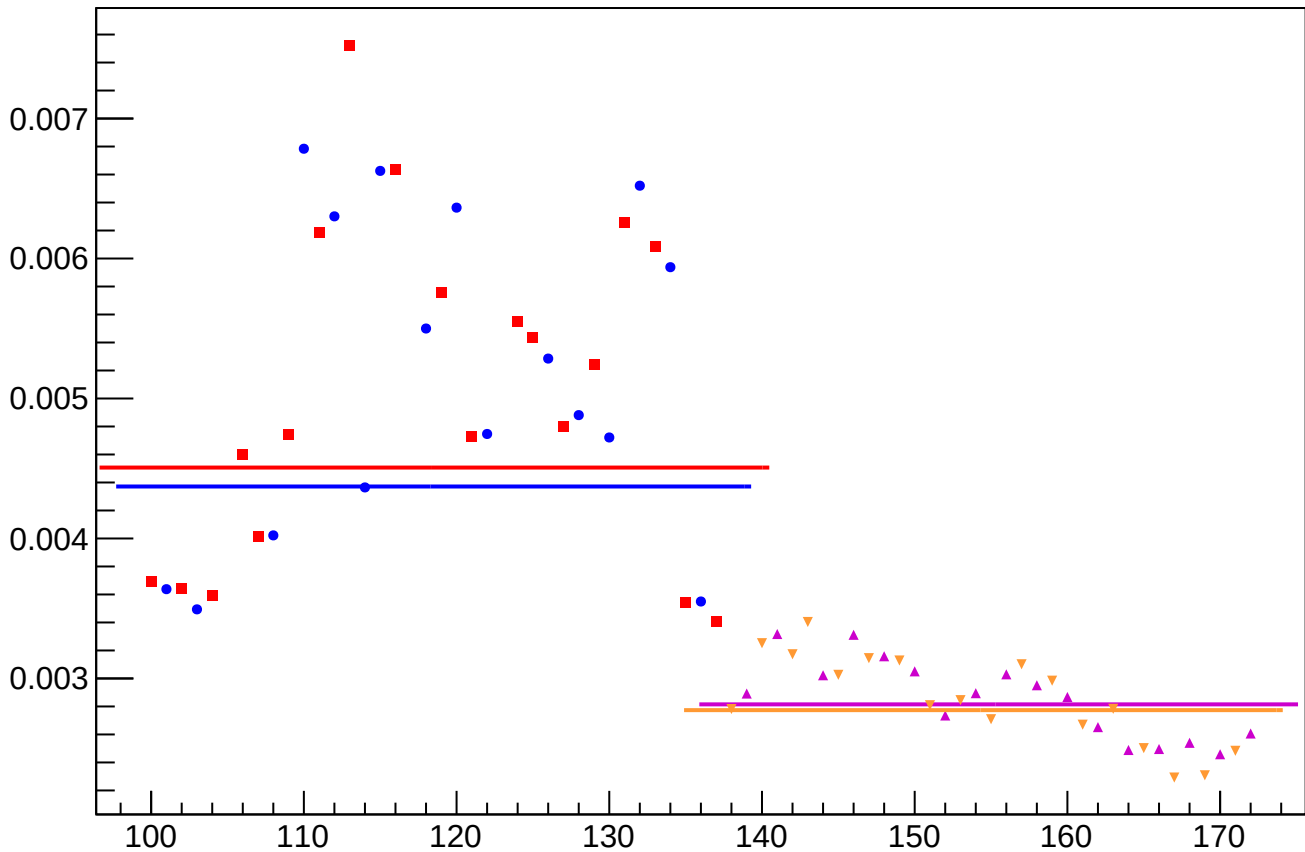
Left In: -0.123 ± 0.000 χ^2/NDF : 2797952887.3/16

+ sign -0.109 ± 0.000 χ^2/NDF : 28033154238.9/33

All: -0.110 ± 0.000 χ^2/NDF : 54611251367.2/35

- sign -0.111 ± 0.000 χ^2/NDF : 26576487718.2/35

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 660432.6/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 349748.3/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 704549.6/18

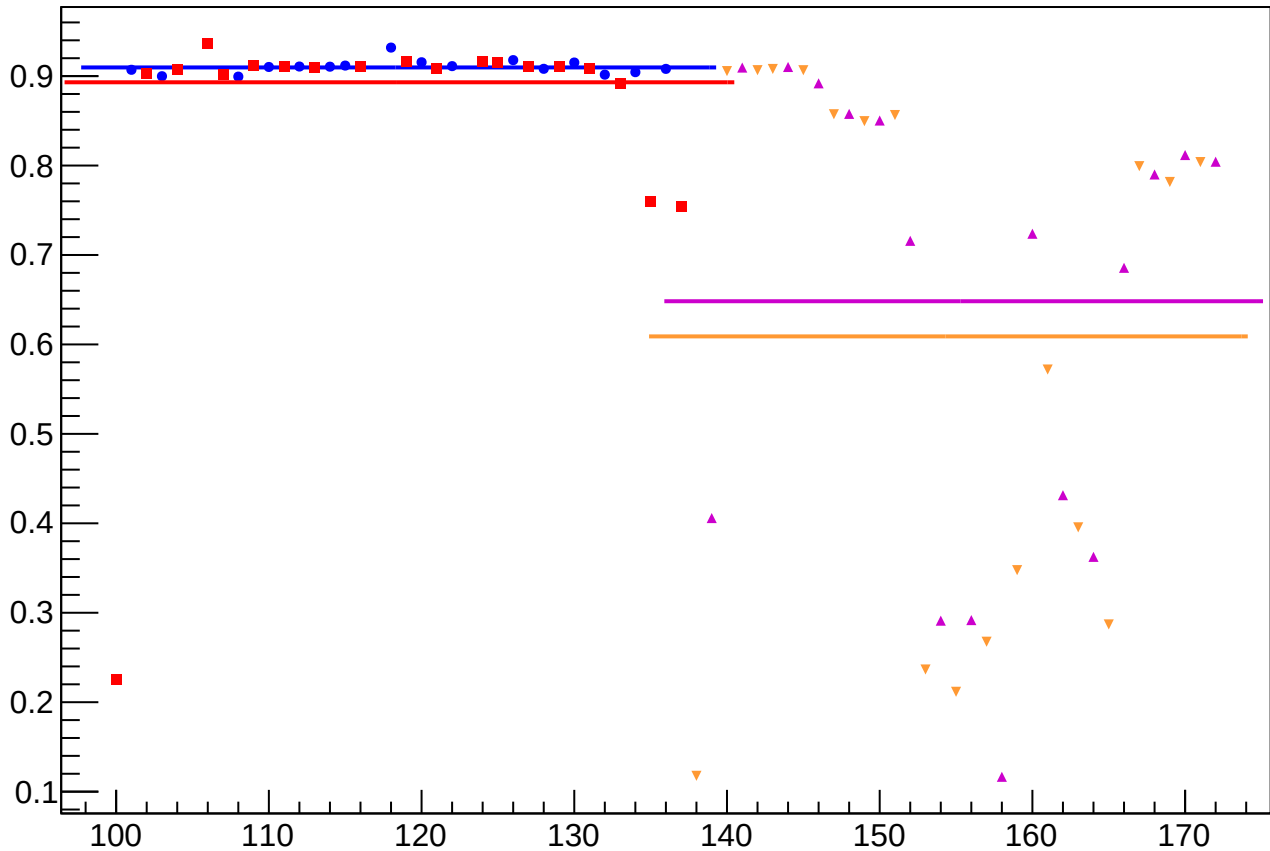
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 232066.3/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2388144.2/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4848130.6/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2452100.2/35

yield_bpm0l09X_mean vs Slug



Right In: 0.910 $\pm$ 0.000 χ^2 /NDF: 3133349.6/15

Left Out: 0.609 $\pm$ 0.000 χ^2 /NDF: 8169452669.5/17

Right Out: 0.893 $\pm$ 0.000 χ^2 /NDF: 327979021.4/18

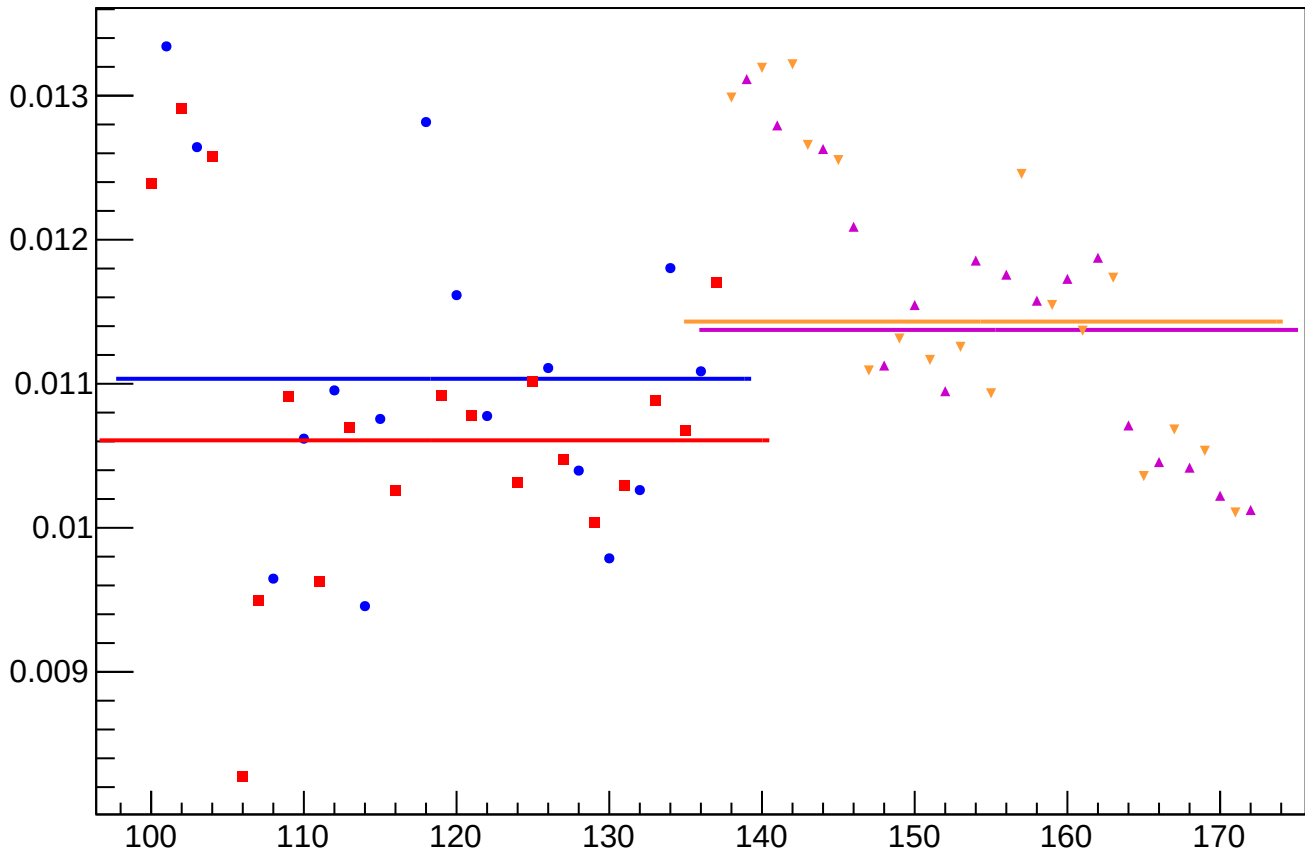
Left In: 0.648 $\pm$ 0.000 χ^2 /NDF: 6443802126.3/16

+ sign 0.715 $\pm$ 0.000 χ^2 /NDF: 11469700787.5/33

All: 0.729 $\pm$ 0.000 χ^2 /NDF: 20665490190.1/6

- sign 0.742 $\pm$ 0.000 χ^2 /NDF: 9136467590.1/35

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF : 166489.3/17

Right Out: 0.011+/-0.000 χ^2/NDF : 143947.4/18

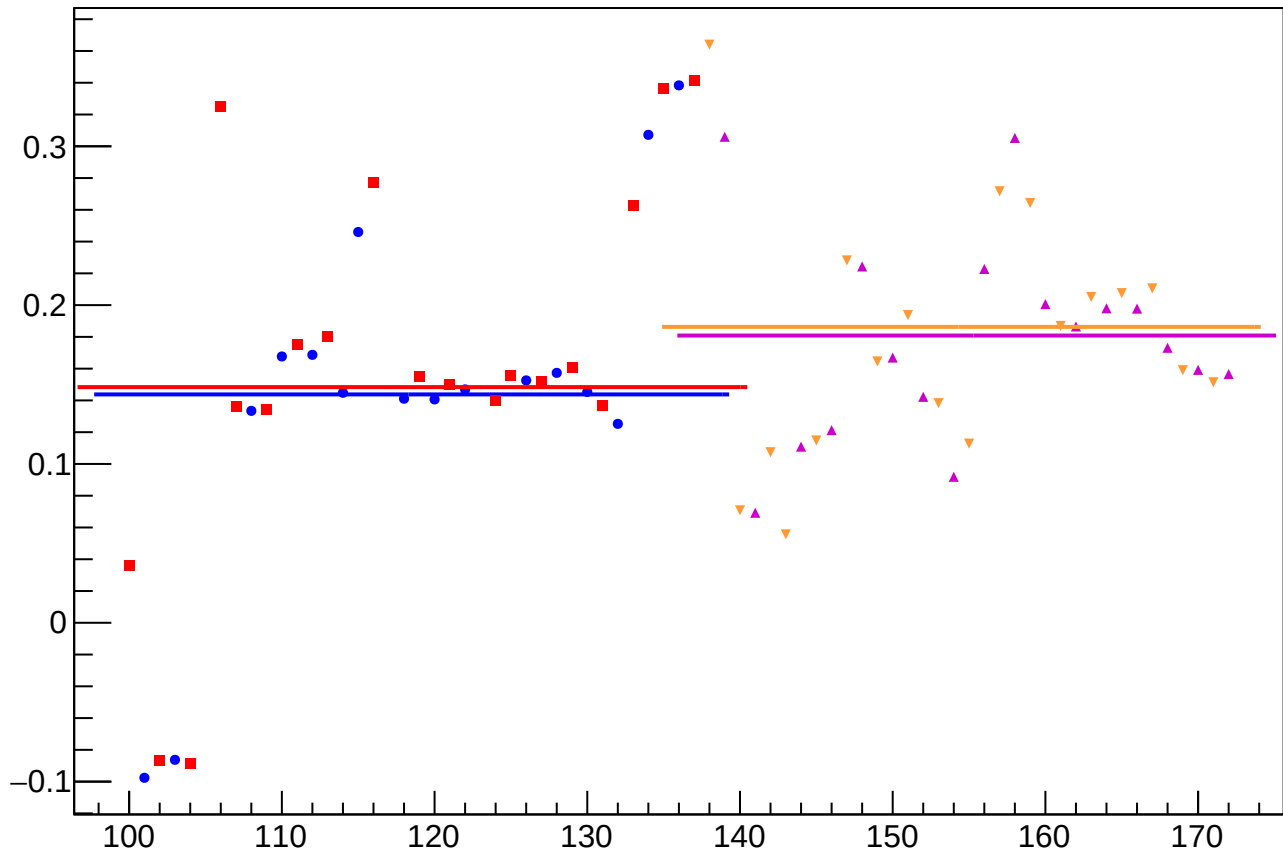
Left In: 0.011+/-0.000 χ^2/NDF : 155737.0/16

+ sign 0.011+/-0.000 χ^2/NDF : 308347.8/33

All: 0.011+/-0.000 χ^2/NDF : 661729.6/69

- sign 0.011+/-0.000 χ^2/NDF : 346068.5/35

yield_bpm0l09Y_mean vs Slug



Right In: 0.144 $\pm$ 0.000 χ^2 /NDF: 7867304536.4/15

Left Out: 0.186 $\pm$ 0.000 χ^2 /NDF: 6232180610.0/17

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 7128567107.5/18

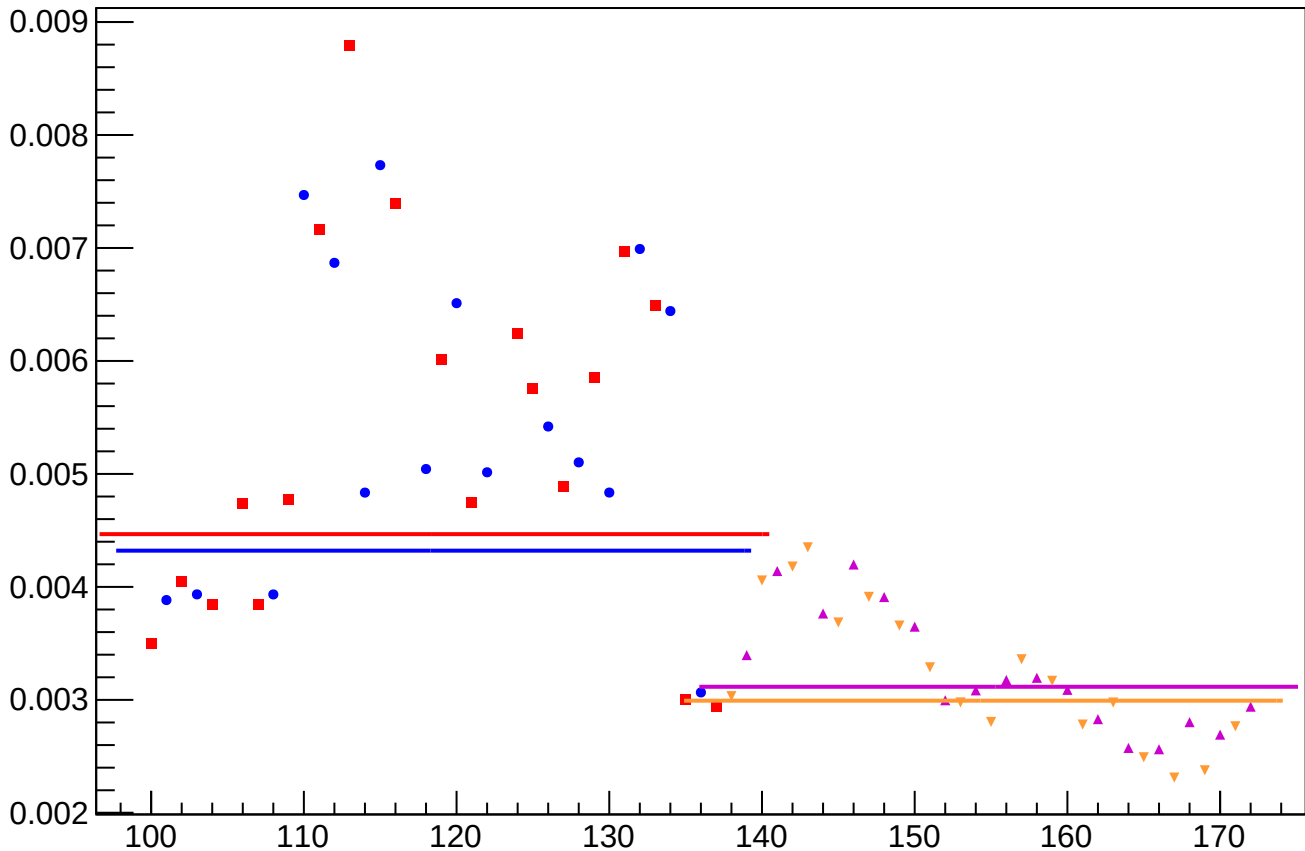
Left In: 0.181 $\pm$ 0.000 χ^2 /NDF: 4552131107.3/16

+ sign 0.179 $\pm$ 0.000 χ^2 /NDF: 14556171055.2/33

All: 0.177 $\pm$ 0.000 χ^2 /NDF: 26505565516.2/6

- sign 0.175 $\pm$ 0.000 χ^2 /NDF: 11936204650.2/35

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 878343.4/15

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 838620.6/17

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1085759.3/18

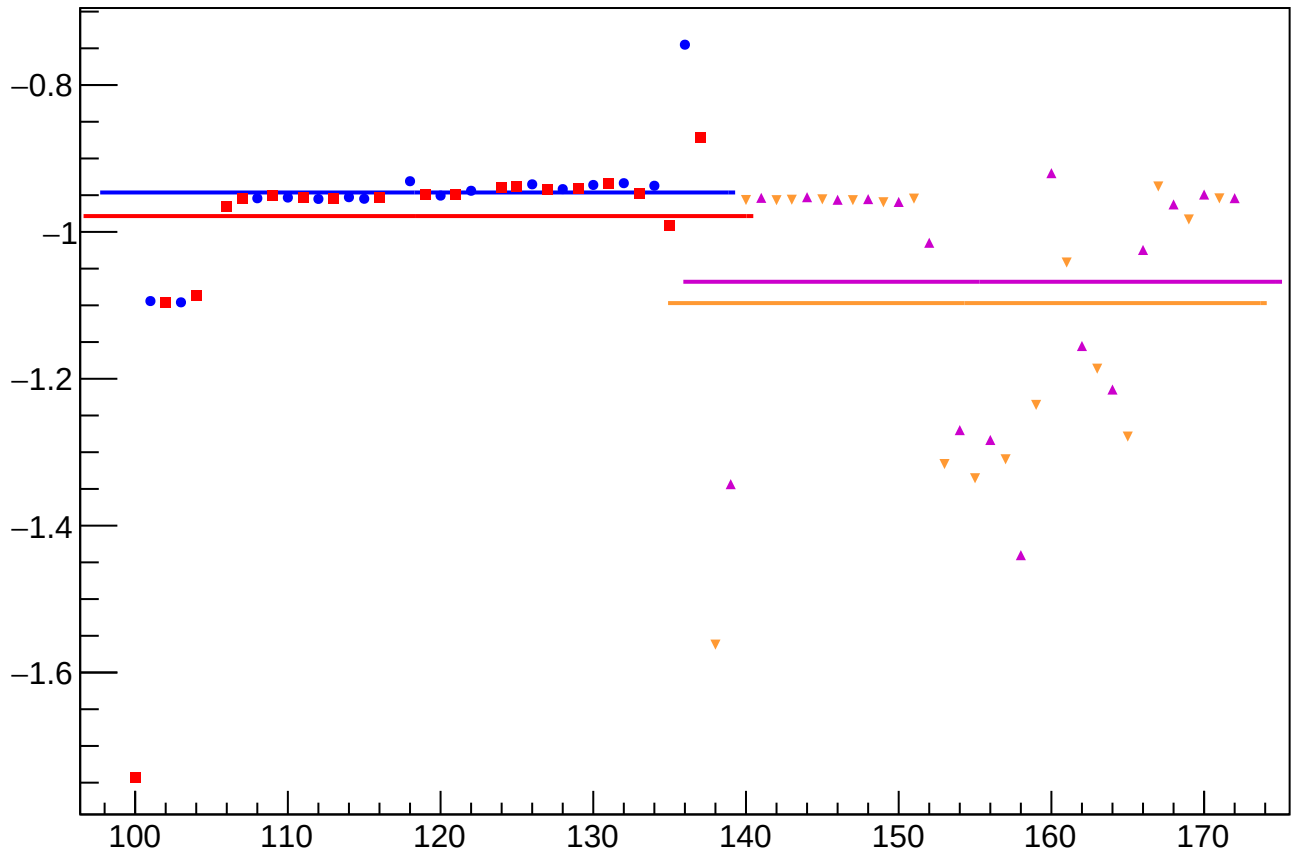
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 535944.0/16

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 2608133.3/33

All: 0.003 $\pm$ 0.000 χ^2/NDF : 5147108.7/69

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 2506486.7/35

yield_bpm0l10X_mean vs Slug



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

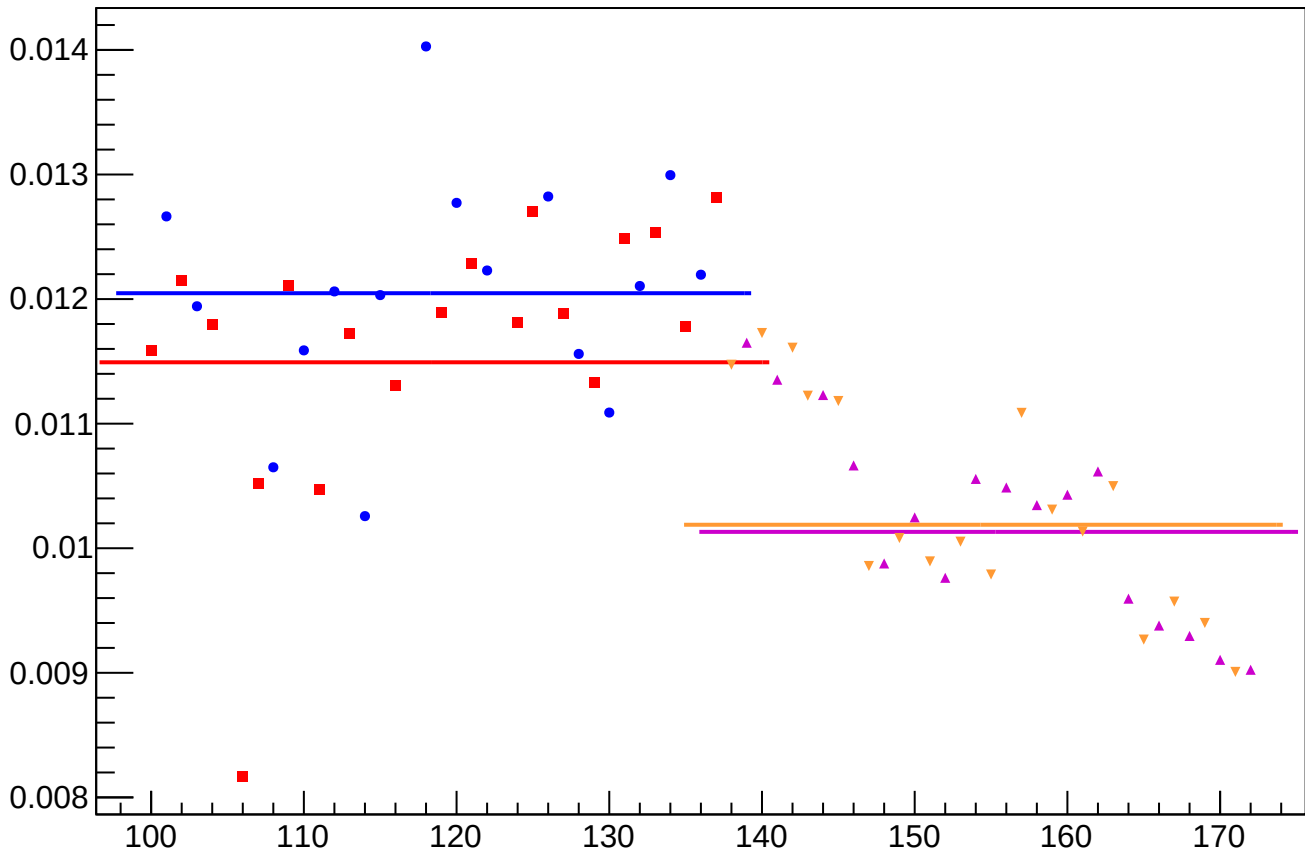
Left In: -1.068 ± 0.000 χ^2/NDF : 3426197307.2/16

+ sign -1.057 ± 0.000 χ^2/NDF : 5405266672.3/33

All: -1.049 ± 0.000 χ^2/NDF : 9619986489.7/6

- sign -1.042 ± 0.000 χ^2/NDF : 4193718648.9/35

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 62476.3/15

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:157715.0/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 151309.4/18

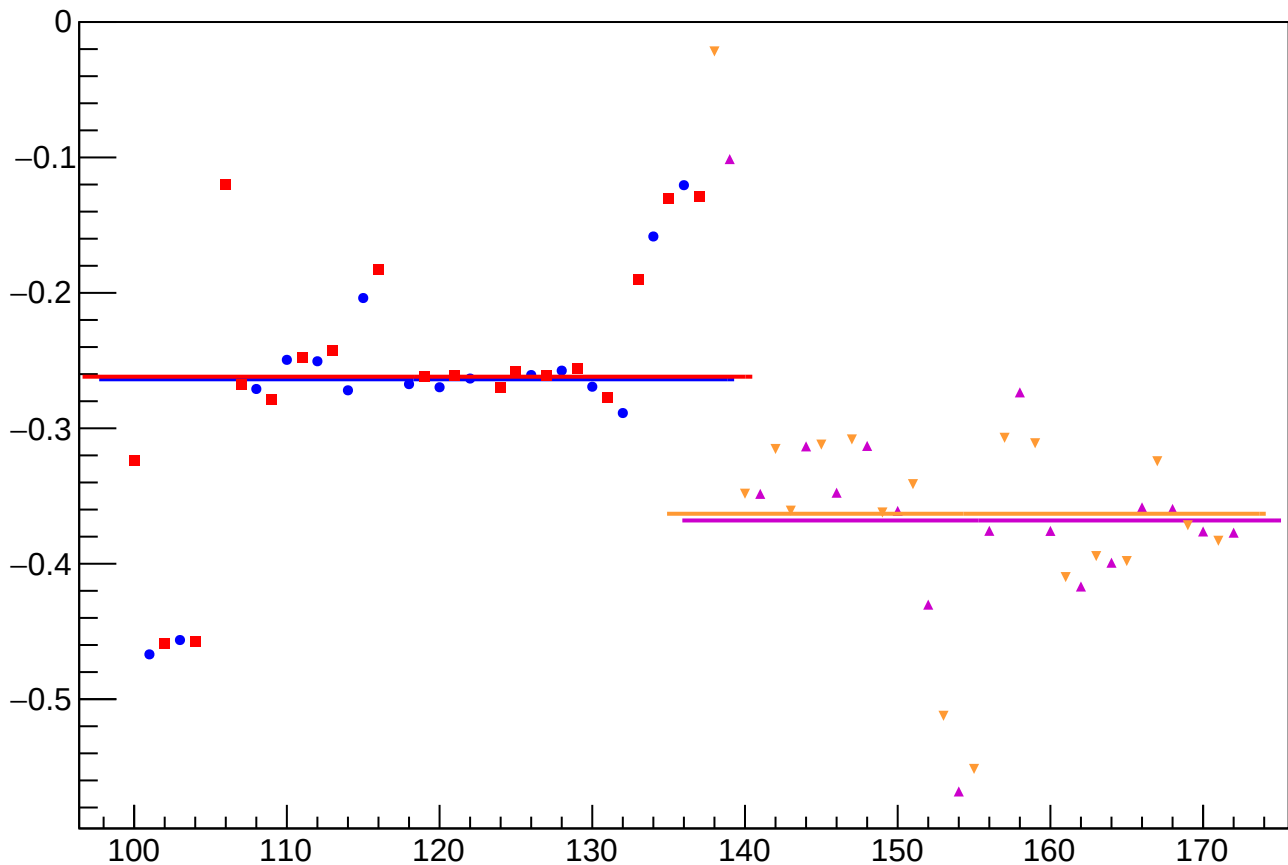
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:149787.5/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 460223.4/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 907412.7/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 443005.0/35

yield_bpm0l10Y_mean vs Slug



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

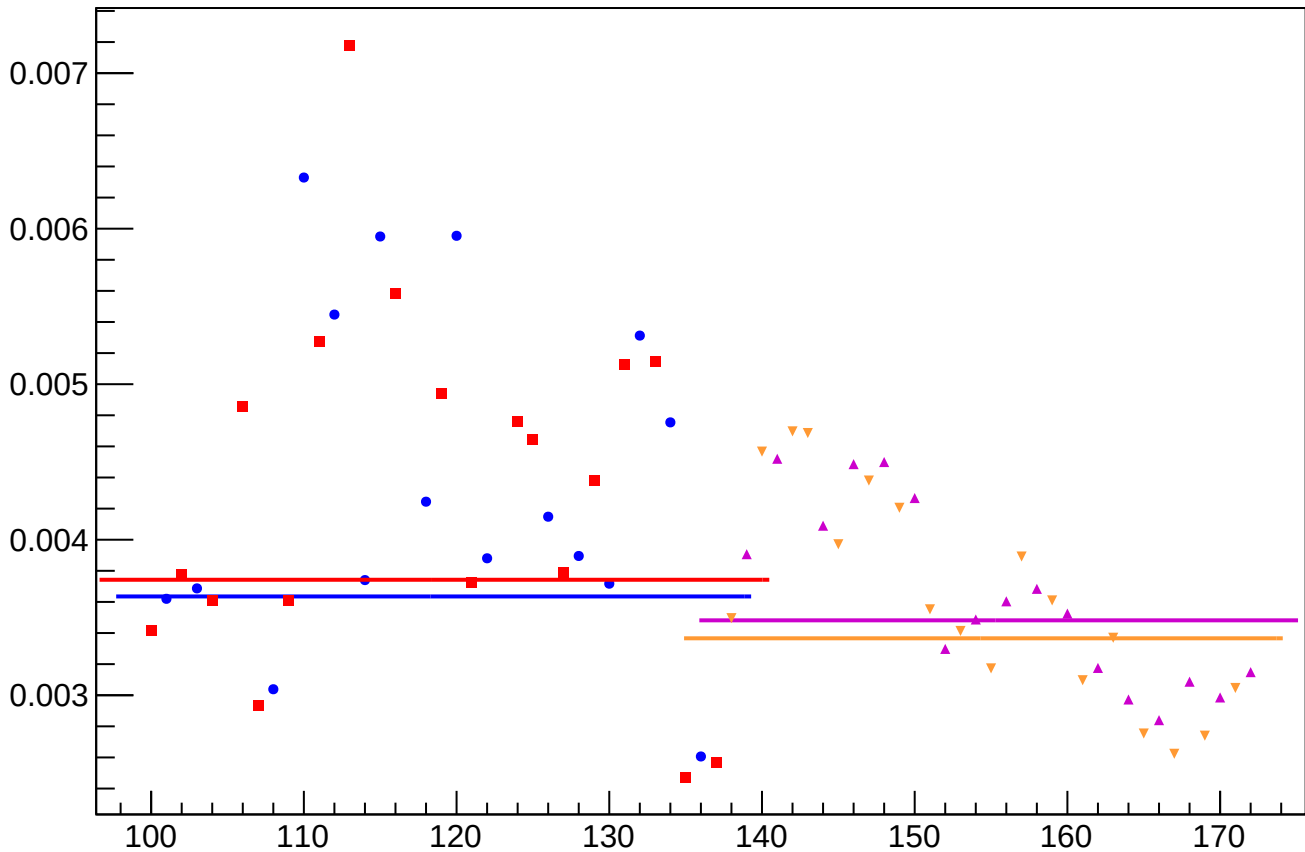
Left In: -0.368+/-0.000 χ^2/NDF : 7568143025.3/16

+ sign -0.335+/-0.000 χ^2/NDF : 21084054535.9/33

All: -0.336+/-0.000 χ^2/NDF : 37327314407.9/35

- sign -0.337+/-0.000 χ^2/NDF : 16241254157.9/35

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 728598.9/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 781367.0/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 894189.4/18

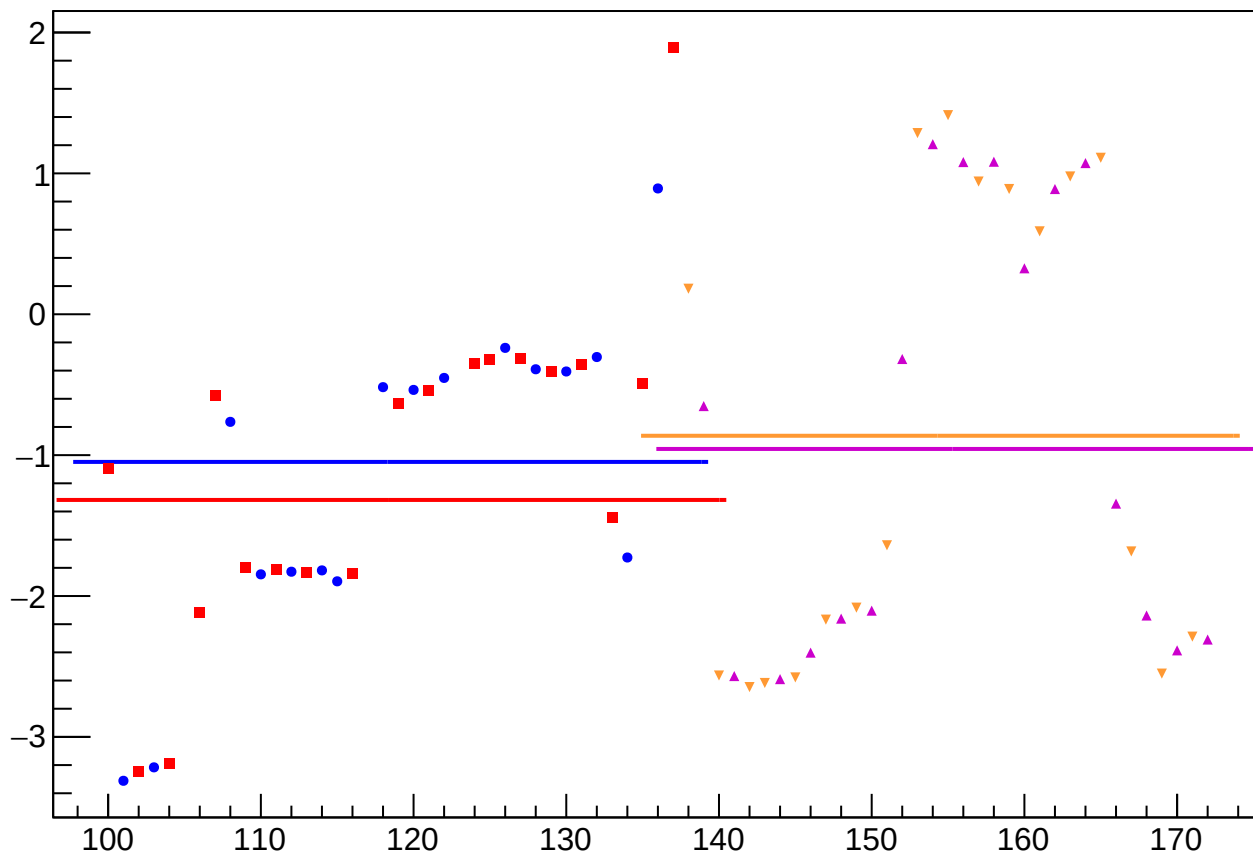
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 537698.9/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1555513.7/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3049308.3/69

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1473226.8/35

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

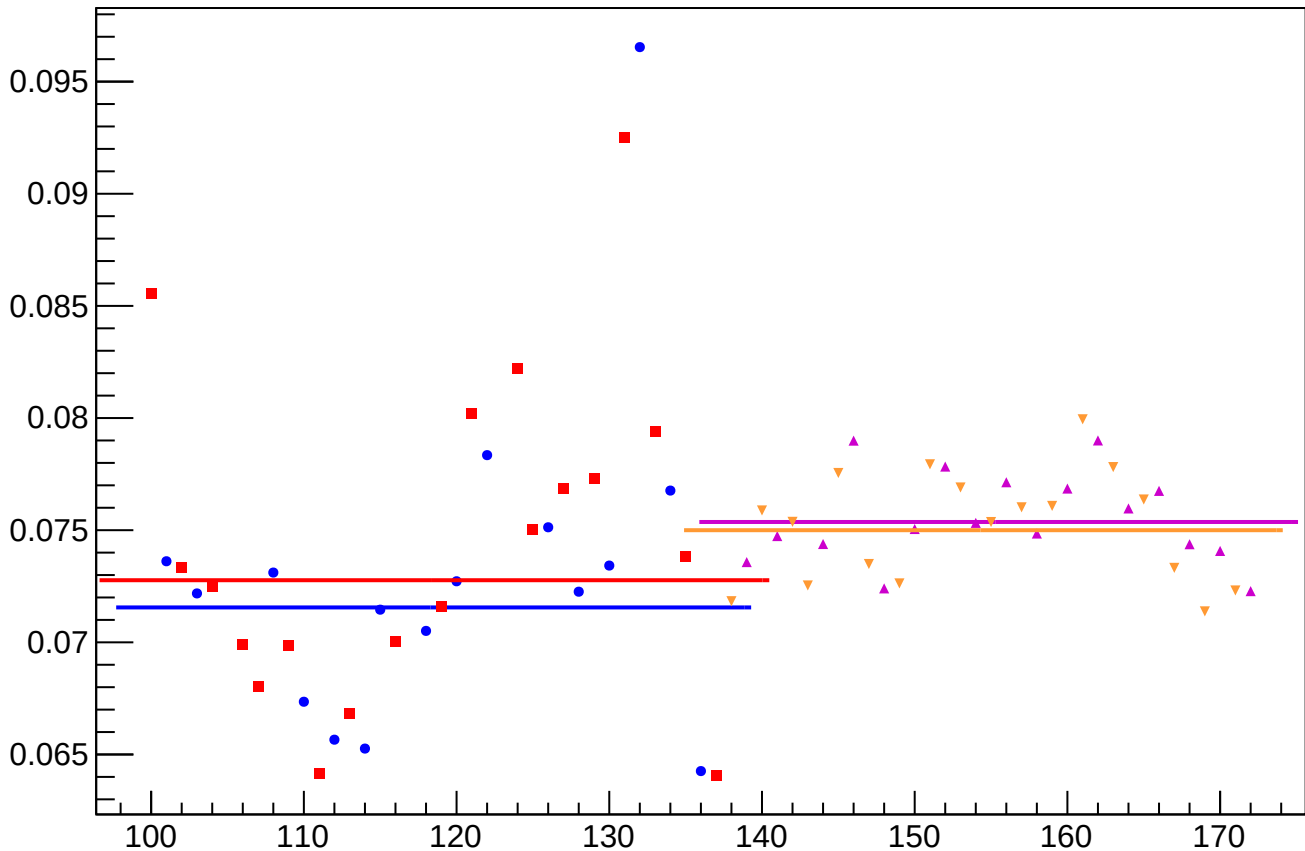
Left In: -0.956+/-0.000 χ^2/NDF : 5447062461.4/16

+ sign -0.928+/-0.000 χ^2/NDF : 8903930745.3/33

All: -1.007+/-0.000 χ^2/NDF : 16361871697.6/35

- sign -1.087+/-0.000 χ^2/NDF : 7409740931.3/35

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

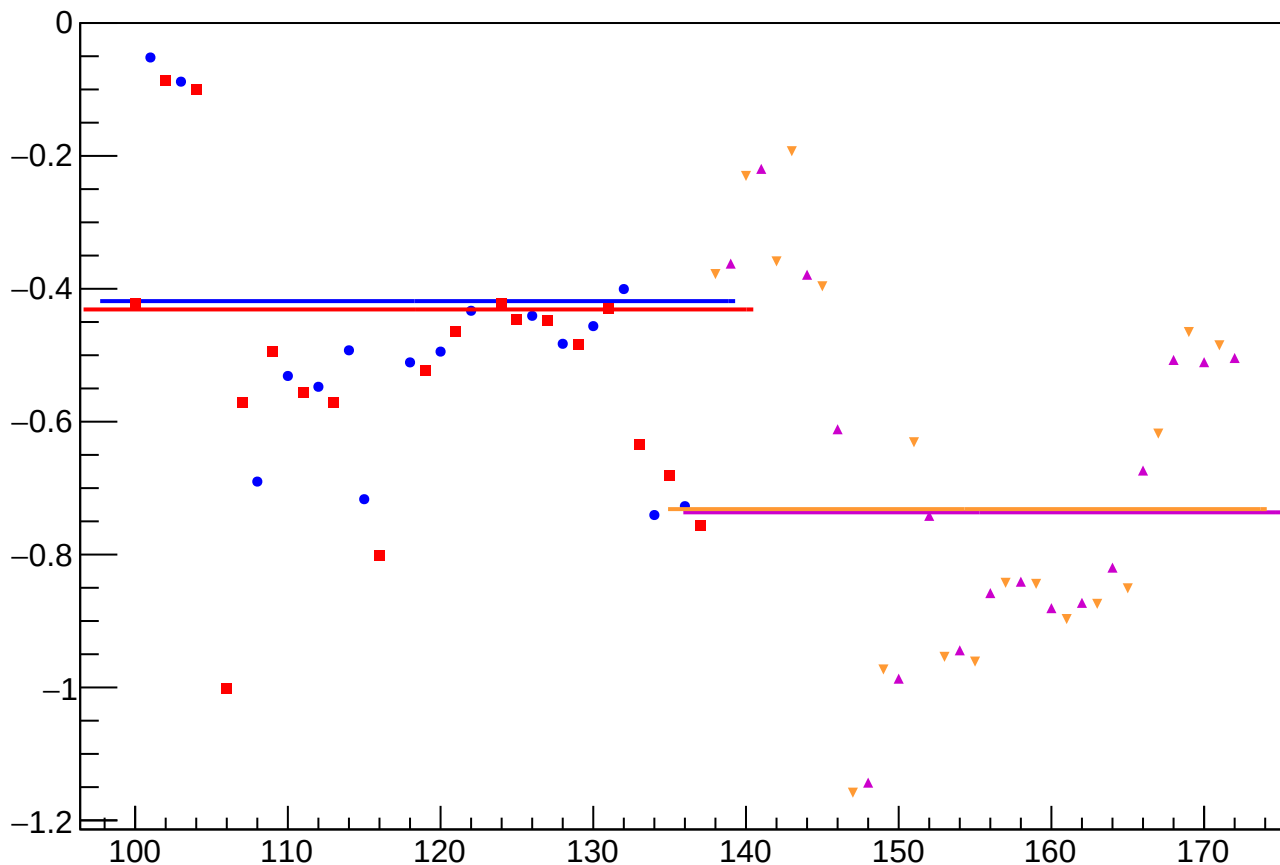
Left In: 0.075+/-0.000 χ^2/NDF :18448.4/16

+ sign 0.074+/-0.000 χ^2/NDF : 151468.0/33

All: 0.074+/-0.000 χ^2/NDF : 280200.1/69

- sign 0.074+/-0.000 χ^2/NDF : 127124.8/35

yield_bpm0r03Y_mean vs Slug



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

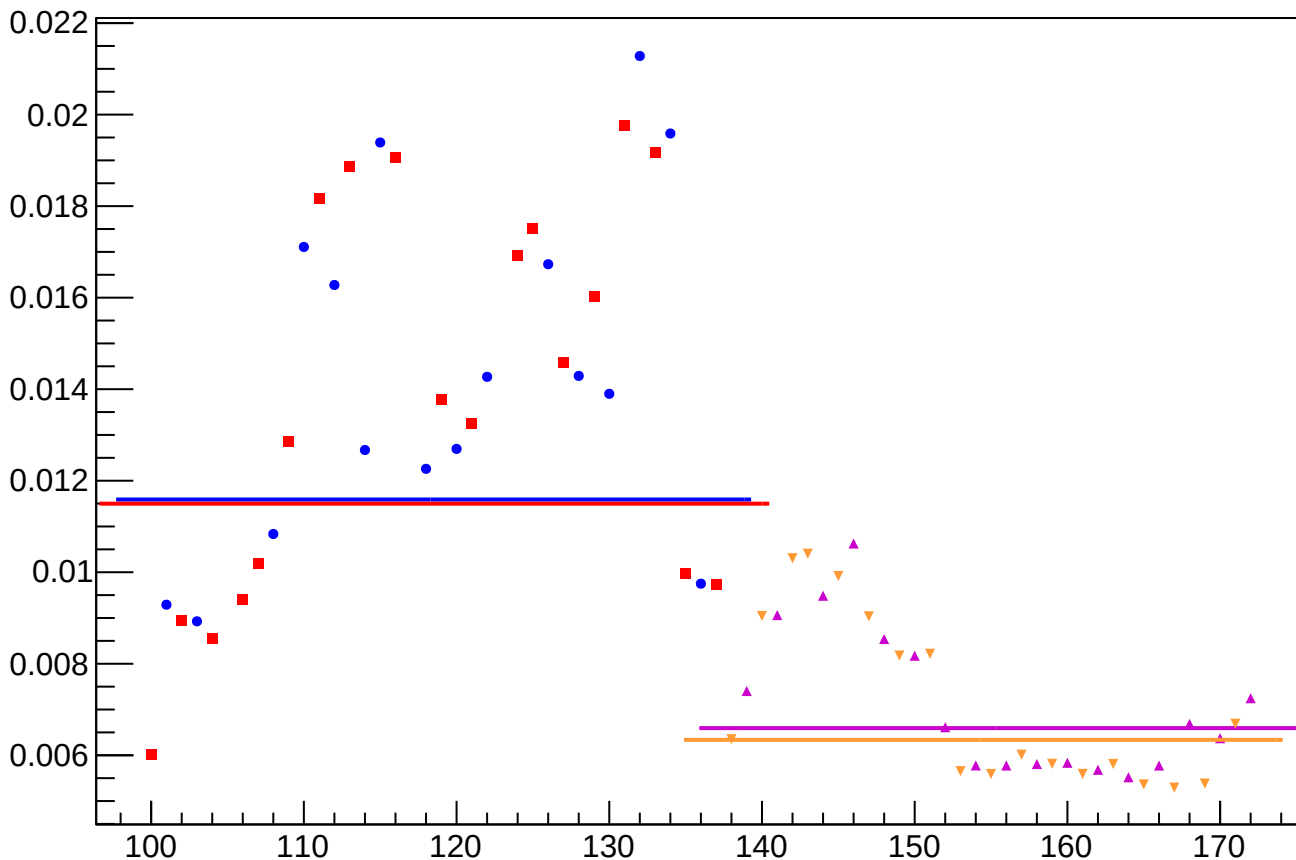
Left In: -0.736+/-0.000 χ^2/NDF : 13920814504.1/16

+ sign -0.693+/-0.000 χ^2/NDF : 25095041049.8/33

All: -0.694+/-0.000 χ^2/NDF : 45878308297.0/66

- sign -0.695+/-0.000 χ^2/NDF : 20782646501.8/35

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 786260.7/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1217275.9/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1164657.0/18

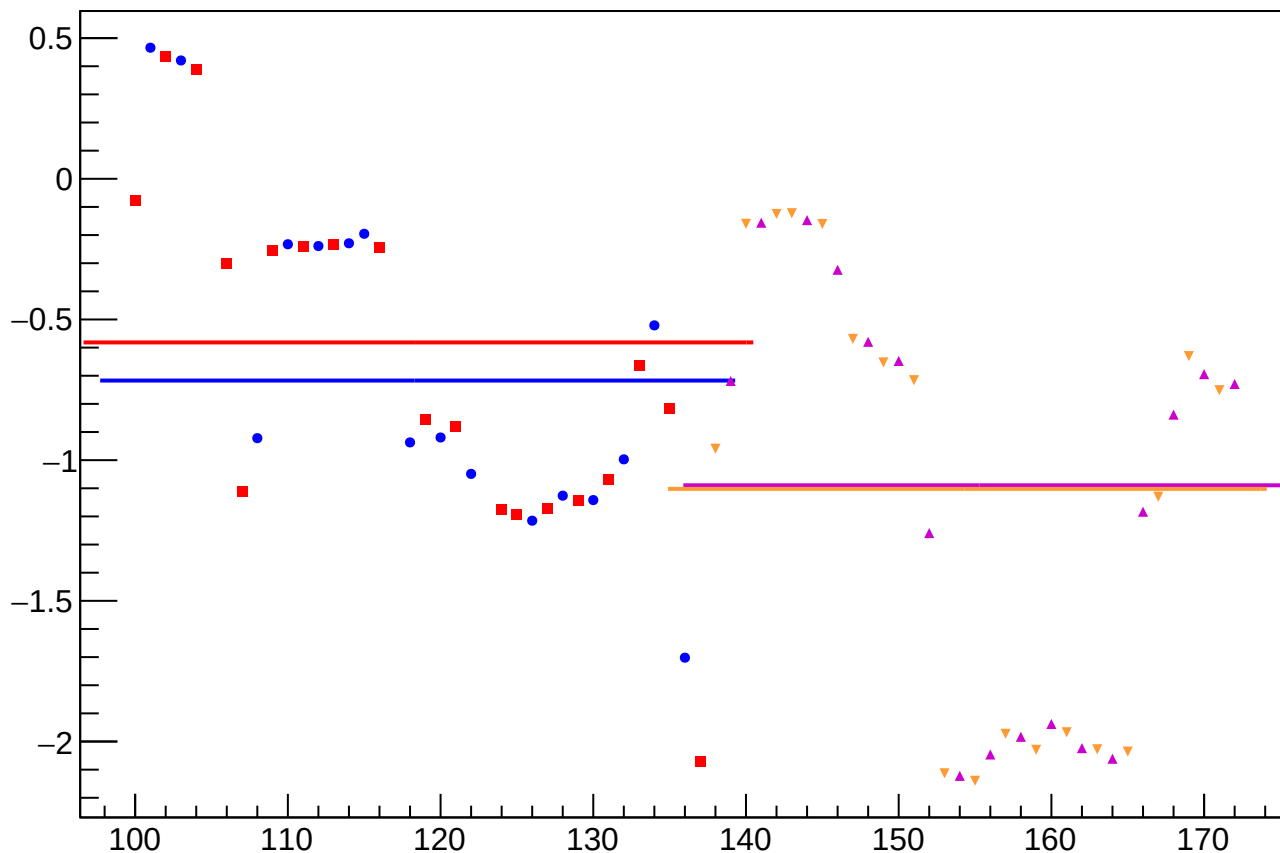
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:889559.7/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4152686.6/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8125218.0/69

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3945772.9/35

yield_bpm0r05X_mean vs Slug



Right In: -0.717 ± 0.000 $\chi^2/\text{NDF}: 437423792.4/15$

Left Out: -1.102 ± 0.000 $\chi^2/\text{NDF}: 1116347011.1/17$

Right Out: -0.582 ± 0.000 $\chi^2/\text{NDF}: 342062039.8/18$

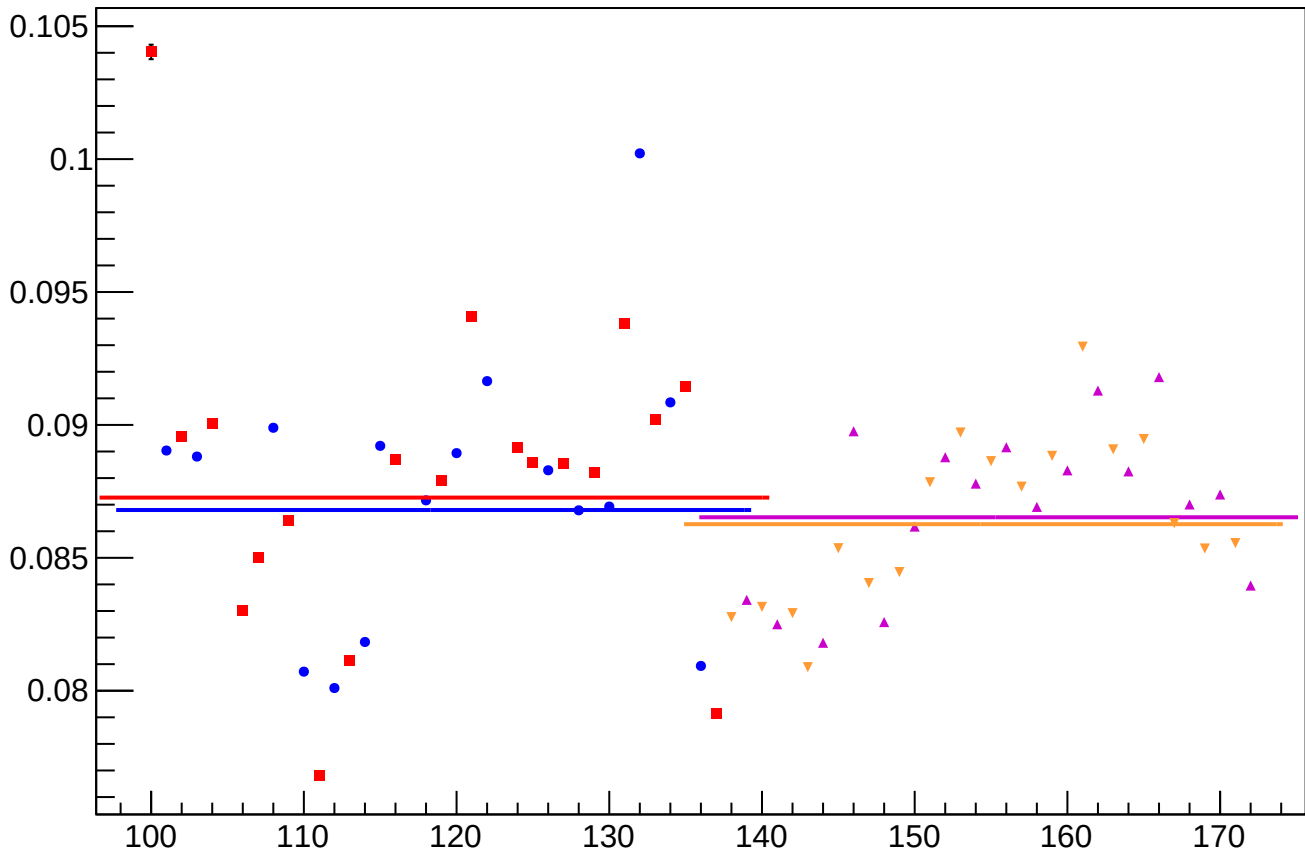
Left In: -1.089 ± 0.000 $\chi^2/\text{NDF}: 950422651.0/16$

+ sign -0.974 ± 0.000 $\chi^2/\text{NDF}: 1647820465.4/33$

All: -0.944 ± 0.000 $\chi^2/\text{NDF}: 3110455842.2/6$

- sign -0.914 ± 0.000 $\chi^2/\text{NDF}: 1457610144.4/35$

yield_bpm0r05X_rms vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 43575.8/15

Left Out: 0.086 $\pm$ 0.000 χ^2 /NDF:33688.2/17

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 46163.9/18

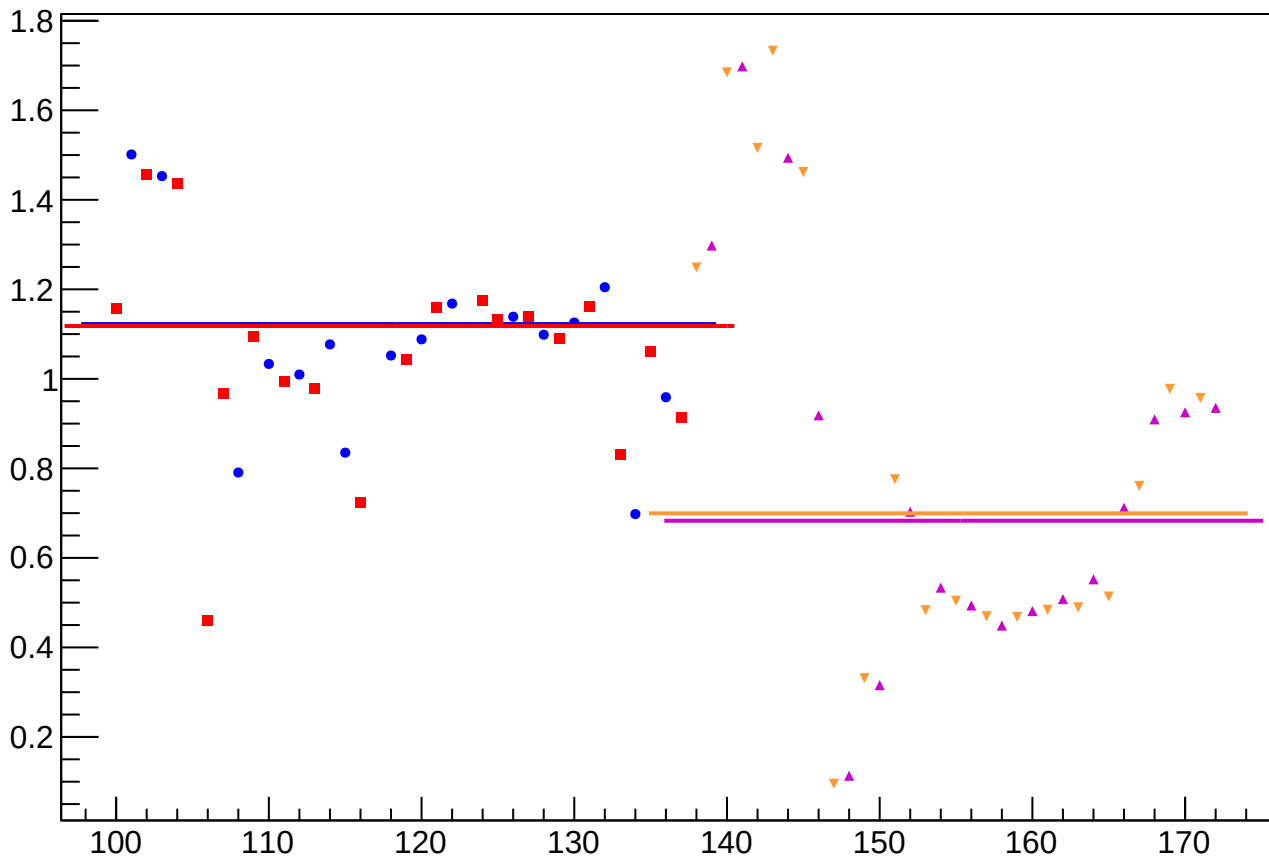
Left In: 0.087 $\pm$ 0.000 χ^2 /NDF:32426.9/16

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 77623.8/33

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 157240.6/69

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 79292.7/35

yield_bpm0r05Y_mean vs Slug



Right In: 1.122 $\pm$ 0.000 χ^2 /NDF: 1454303379.1/15

Left Out: 0.700 $\pm$ 0.000 χ^2 /NDF:30486311801.0/17

Right Out: 1.118 $\pm$ 0.000 χ^2 /NDF: 1570269350.9/18

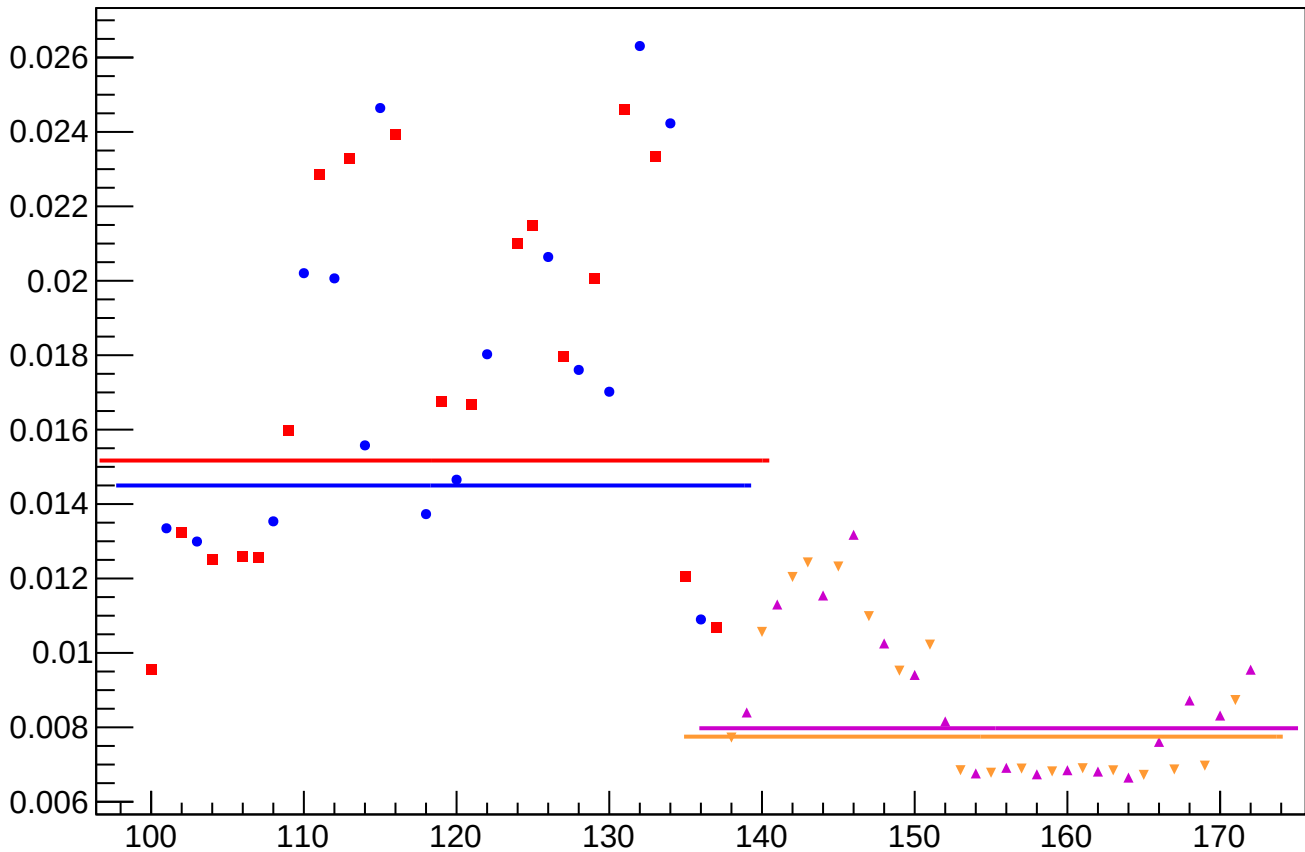
Left In: 0.683 $\pm$ 0.000 χ^2 /NDF:23860896781.3/16

+ sign 0.748 $\pm$ 0.000 χ^2 /NDF: 36430381595.2/33

All: 0.742 $\pm$ 0.000 χ^2 /NDF: 66338165774.3/66

- sign 0.734 $\pm$ 0.000 χ^2 /NDF: 29883344492.1/35

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

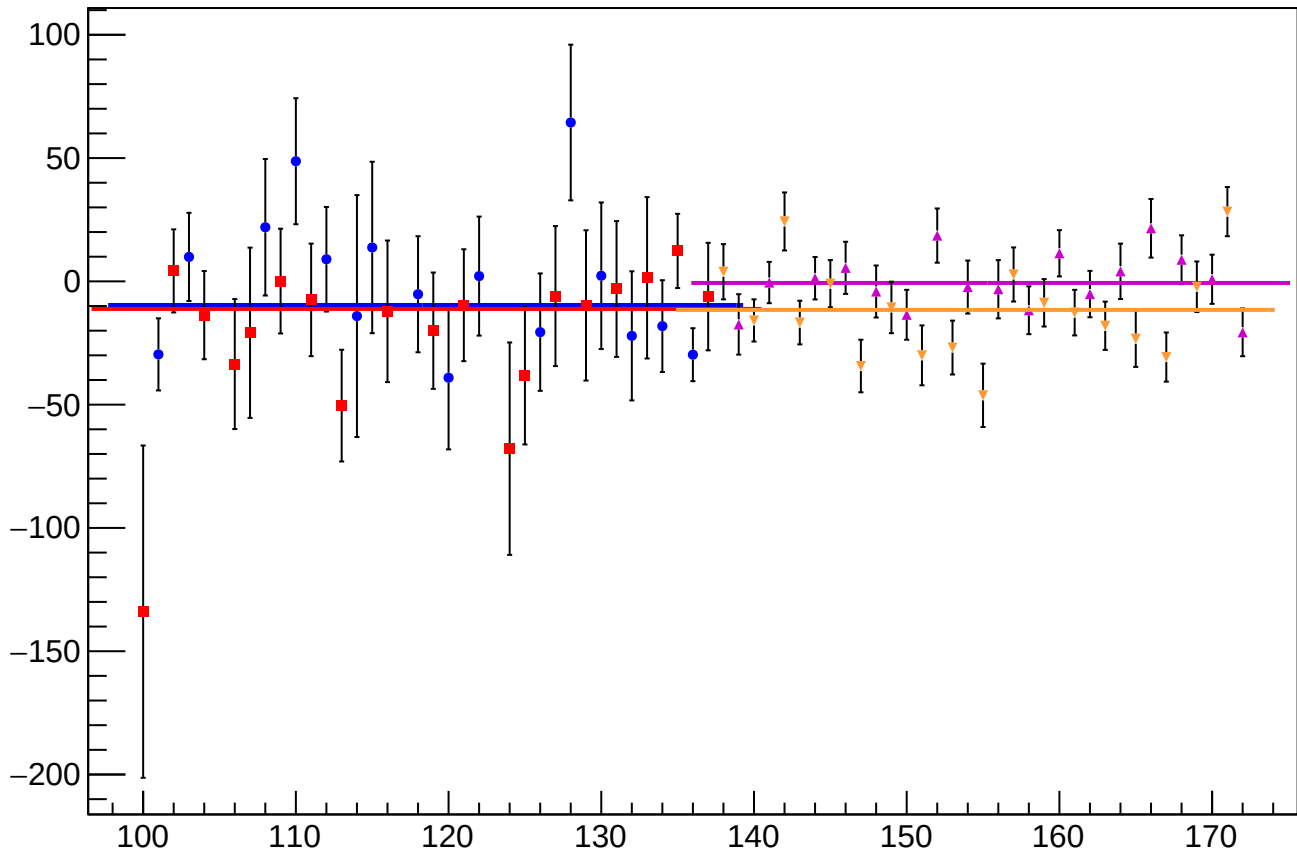
Left In: 0.008+/-0.000 χ^2/NDF : 995166.1/16

+ sign 0.009+/-0.000 χ^2/NDF : 4150932.5/33

All: 0.009+/-0.000 χ^2/NDF : 8465758.2/69

- sign 0.009+/-0.000 χ^2/NDF : 4295031.1/35

diff_bpm4aX_mean vs Slug



Right In: -9.581 ± 5.291 $\chi^2/\text{NDF}: 21.9/15$

Left Out: -11.574 ± 2.424 $\chi^2/\text{NDF}: 52.9/17$

Right Out: -11.177 ± 5.497 $\chi^2/\text{NDF}: 13.9/18$

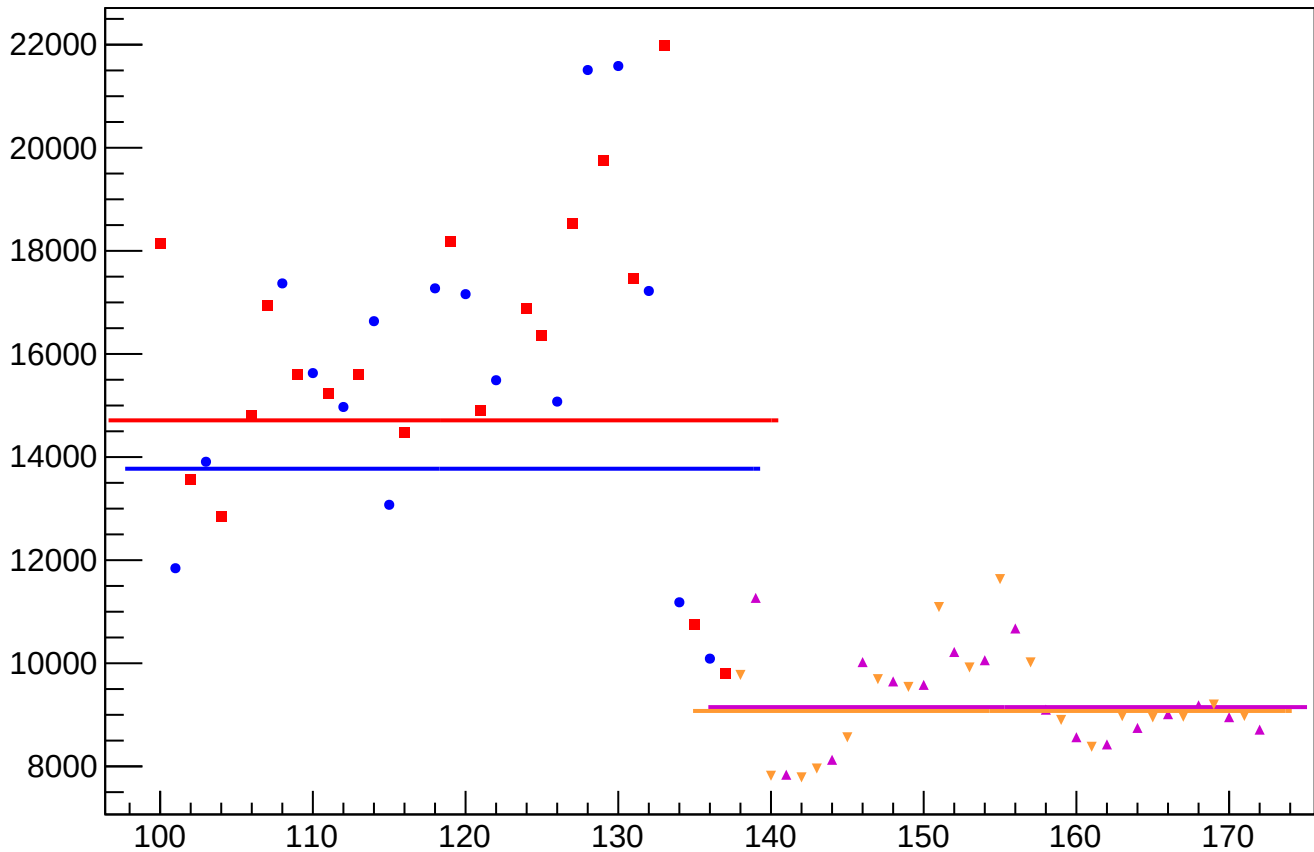
Left In: -0.641 ± 2.458 $\chi^2/\text{NDF}: 19.2/16$

+ sign -11.229 ± 2.203 $\chi^2/\text{NDF}: 75.0/33$

All: -6.894 ± 1.572 $\chi^2/\text{NDF}: 118.9/69$

- sign -2.397 ± 2.244 $\chi^2/\text{NDF}: 36.1/35$

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

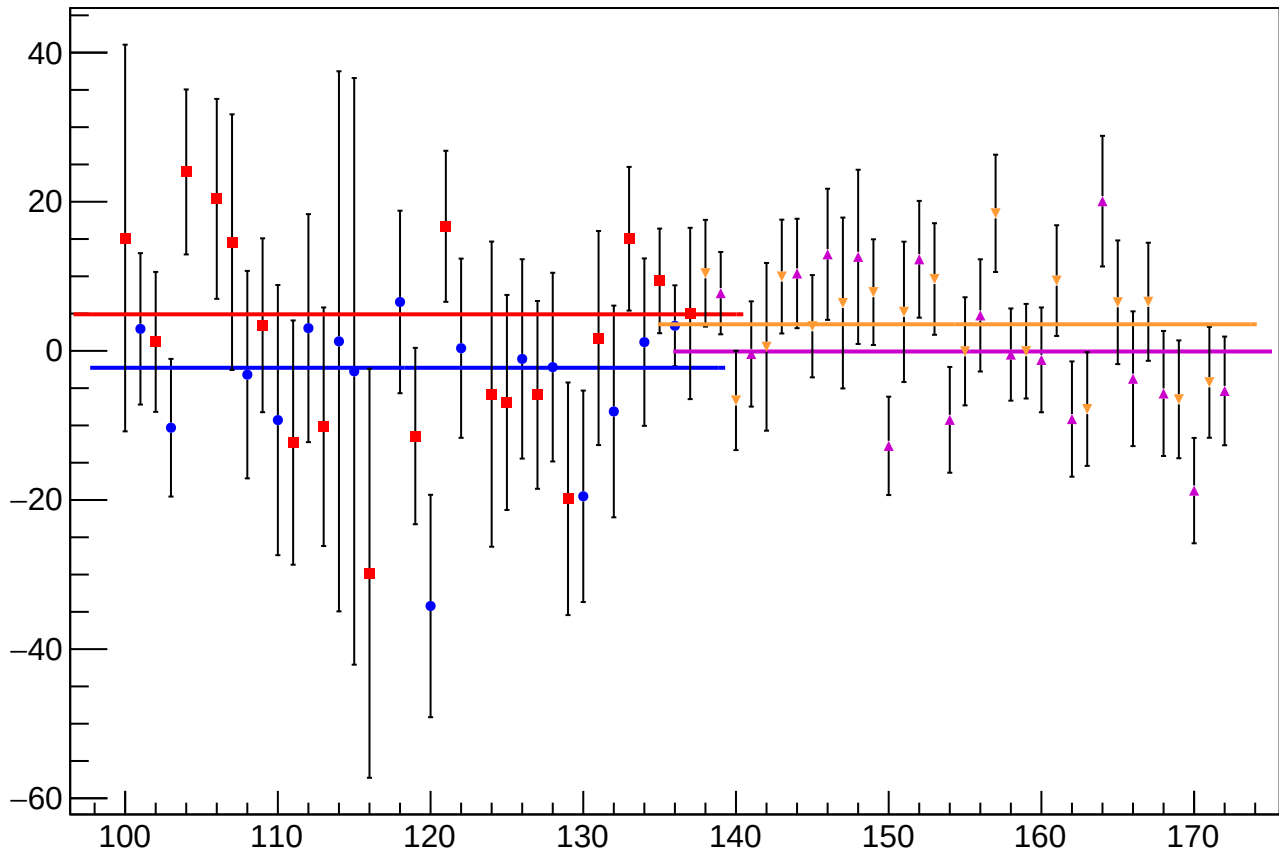
Left In: 9149.590+/-1.738 χ^2/NDF : 252744.7/16

+ sign 9890.031+/-1.558 χ^2/NDF : 2348794.5/33

All: 9981.665+/-1.112 χ^2/NDF : 4872465.7/69

- sign 10076.728+/-1.587 χ^2/NDF : 2516623.6/35

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

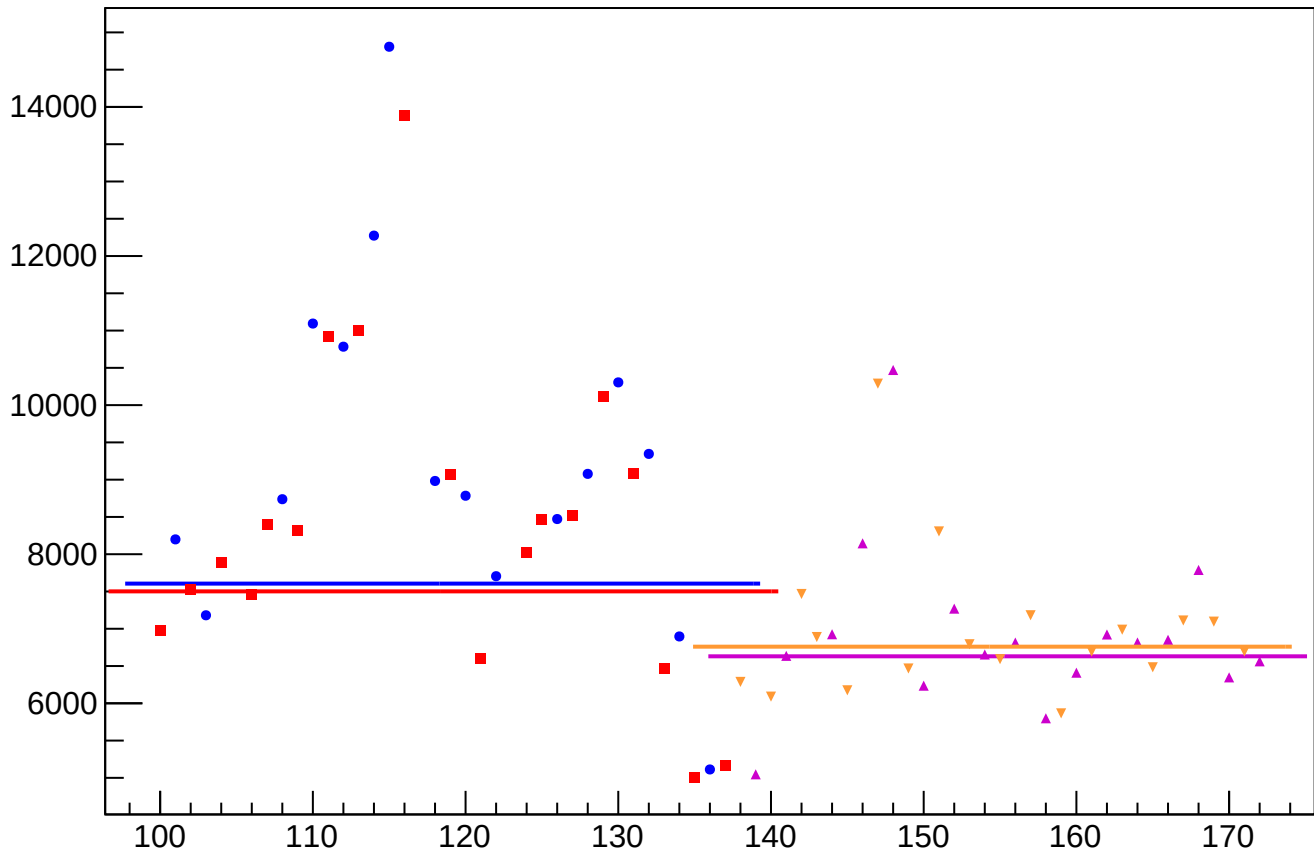
Left In: -0.084 ± 1.796 χ^2/NDF : 30.5/16

+ sign 1.947 ± 1.539 χ^2/NDF : 27.3/33

All: 1.641 ± 1.081 χ^2/NDF : 77.7/69

- sign 1.344 ± 1.517 χ^2/NDF : 50.3/35

diff_bpm4aY_rms vs Slug



Right In: 7605.700 ± 2.066 χ^2/NDF : 891494.3/15

Left Out: 6759.759 ± 1.280 χ^2/NDF : 357609.8/17

Right Out: 7501.522 ± 2.005 χ^2/NDF : 823557.5/18

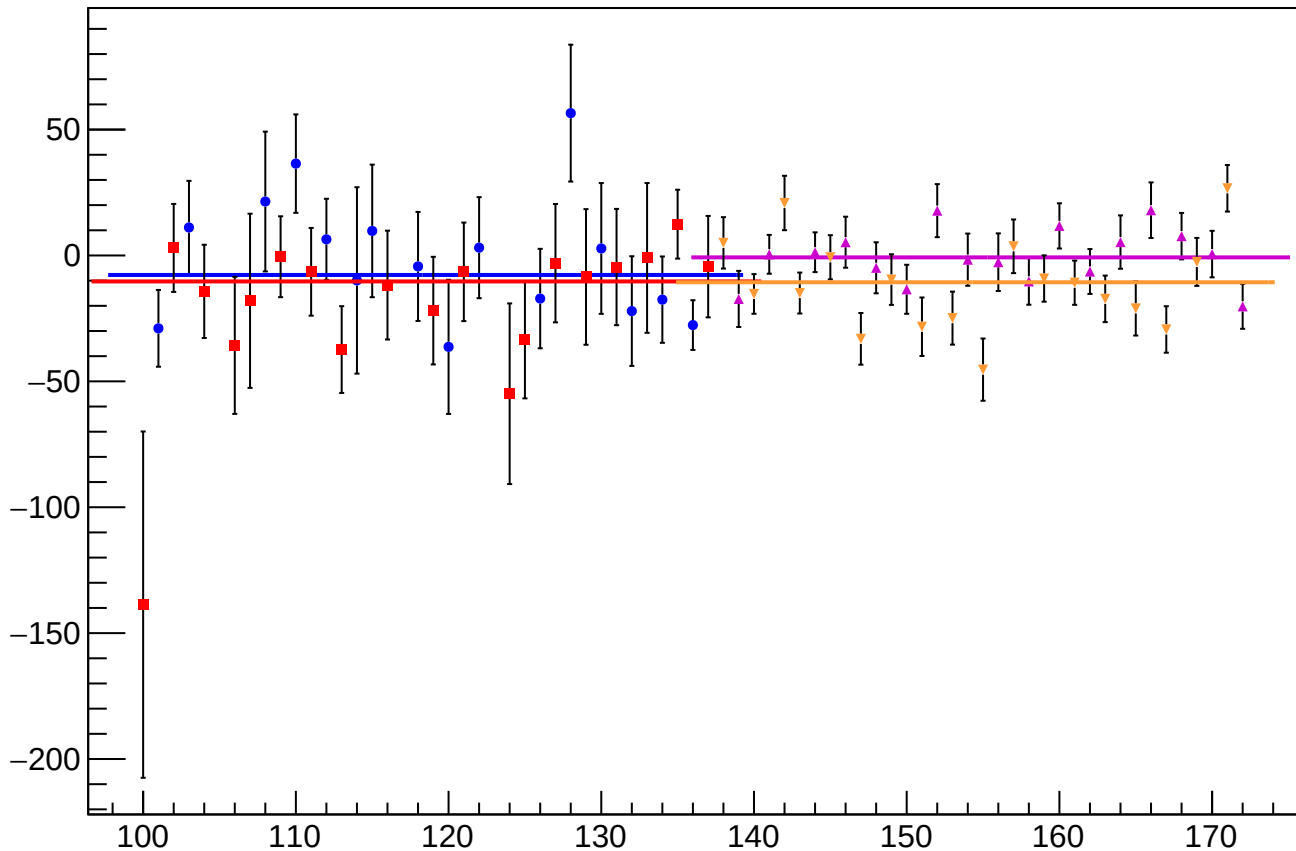
Left In: 6630.326 ± 1.270 χ^2/NDF : 549577.2/16

+ sign 6994.454 ± 1.088 χ^2/NDF : 1370223.5/33

All: 6936.253 ± 0.764 χ^2/NDF : 2883715.3/69

- sign 6879.693 ± 1.073 χ^2/NDF : 1507852.7/35

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

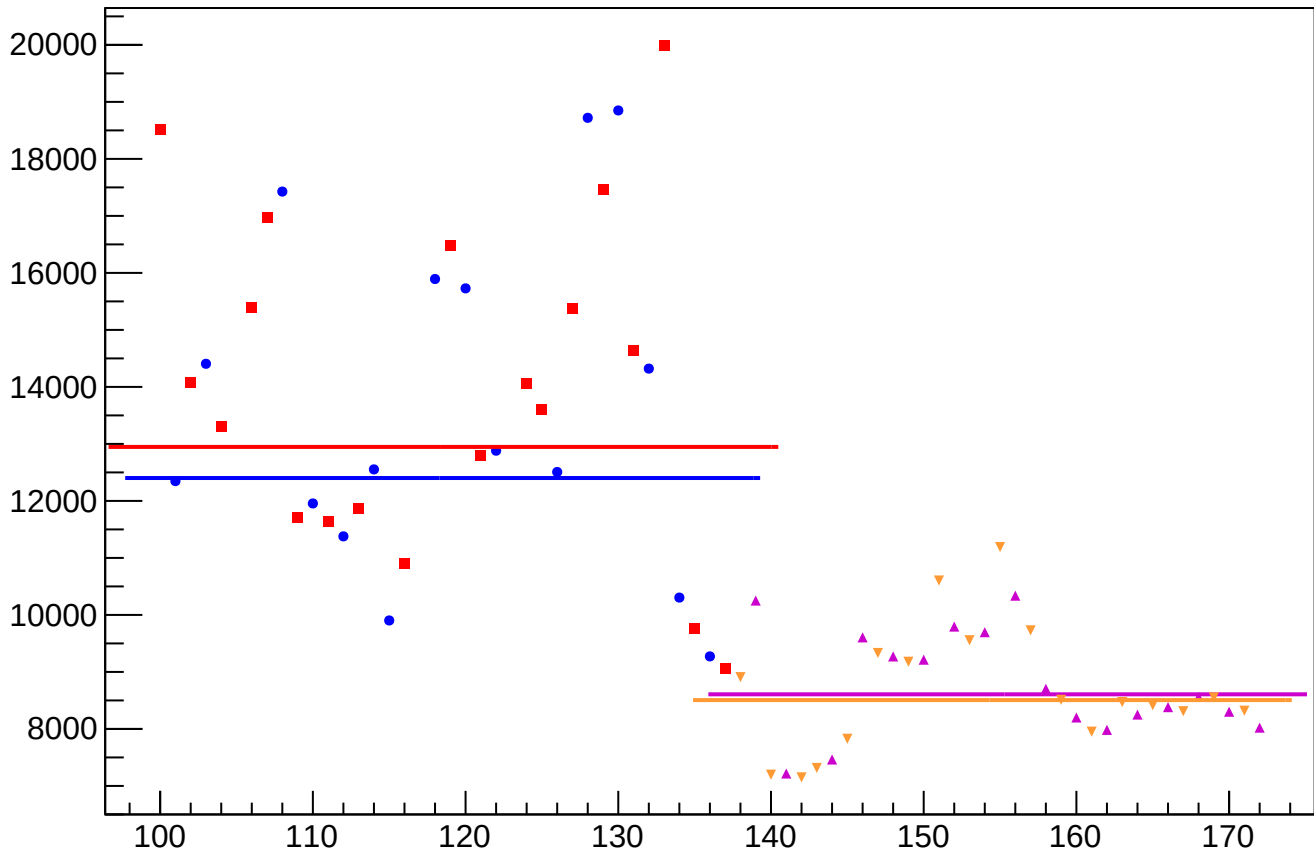
Left In: -0.757 ± 2.315 χ^2/NDF : 19.8/16

+ sign -10.097 ± 2.052 χ^2/NDF : 77.0/33

All: -6.383 ± 1.464 χ^2/NDF : 120.6/69

- sign -2.535 ± 2.088 χ^2/NDF : 36.9/35

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

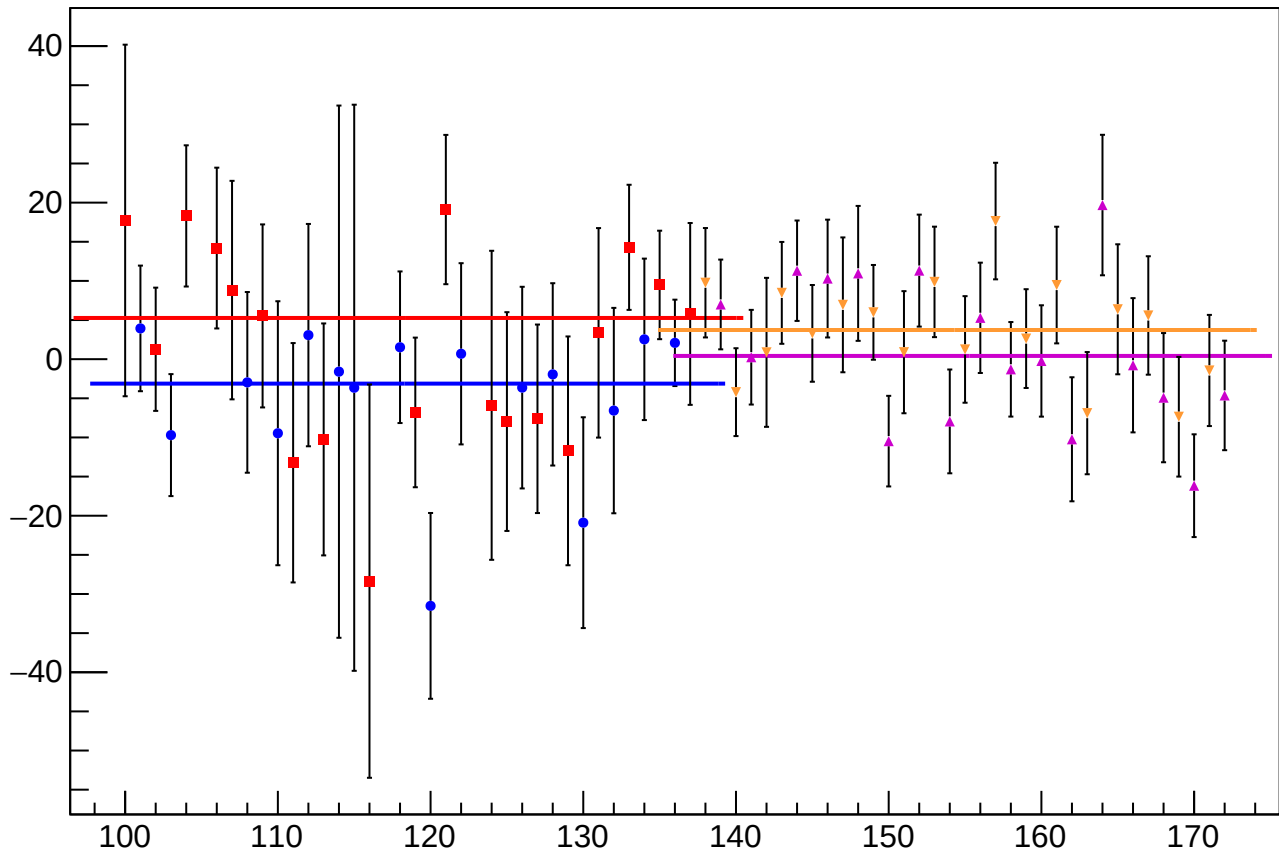
Left In: 8607.197+/-1.637 χ^2/NDF : 307482.0/16

+ sign 9233.259+/-1.451 χ^2/NDF : 2155643.8/33

All: 9322.655+/-1.035 χ^2/NDF : 4334954.0/69

- sign 9415.257+/-1.477 χ^2/NDF : 2171581.1/35

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

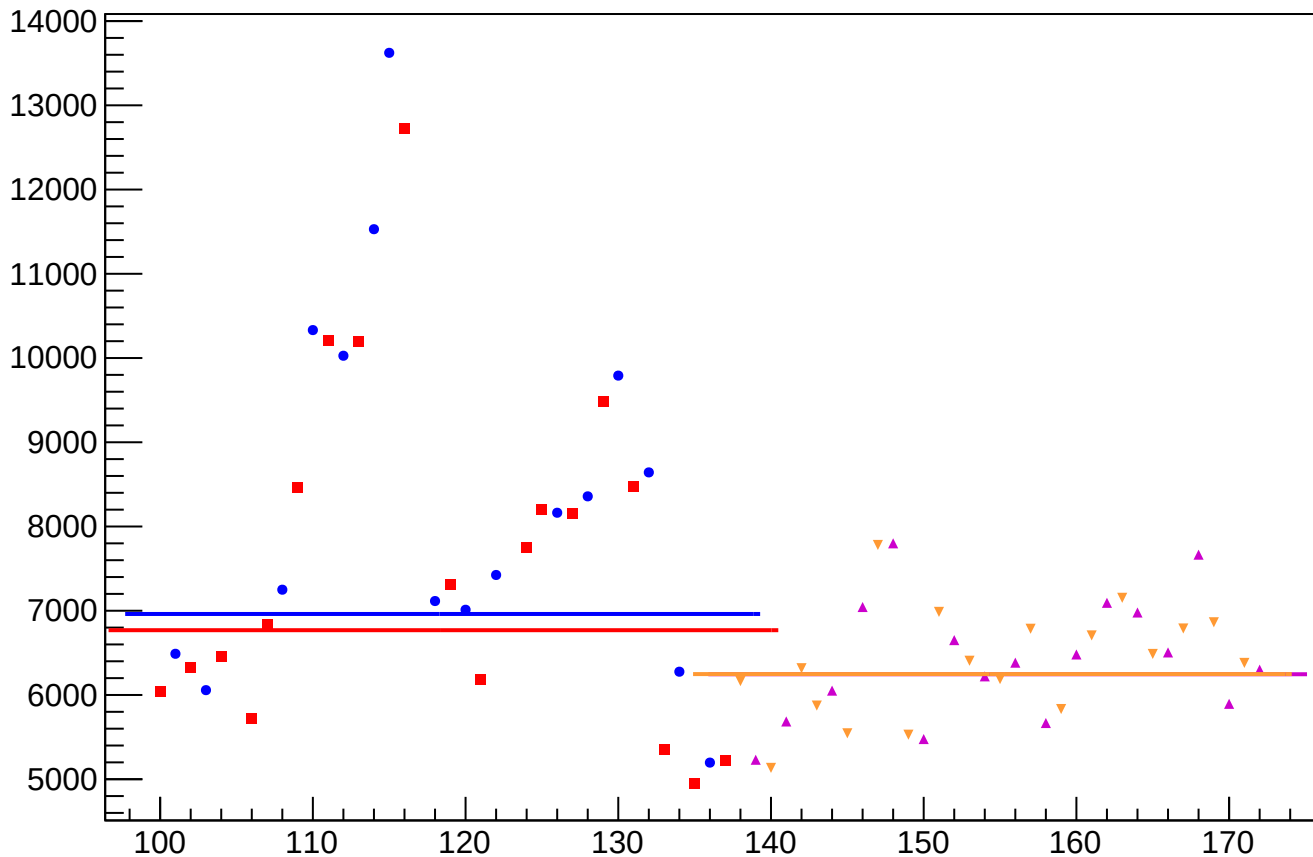
Left In: 0.415 ± 1.683 χ^2/NDF : 29.2/16

+ sign 1.785 ± 1.414 χ^2/NDF : 29.1/33

All: 1.835 ± 0.997 χ^2/NDF : 77.7/69

- sign 1.885 ± 1.405 χ^2/NDF : 48.6/35

diff_bpm4eY_rms vs Slug



Right In: 6961.606 $\pm$ 1.878 χ^2 /NDF: 696410.4/15

Left Out: 6247.994 $\pm$ 1.181 χ^2 /NDF:301413.5/17

+ sign 6450.285 $\pm$ 1.000 χ^2 /NDF: 1101299.5/33

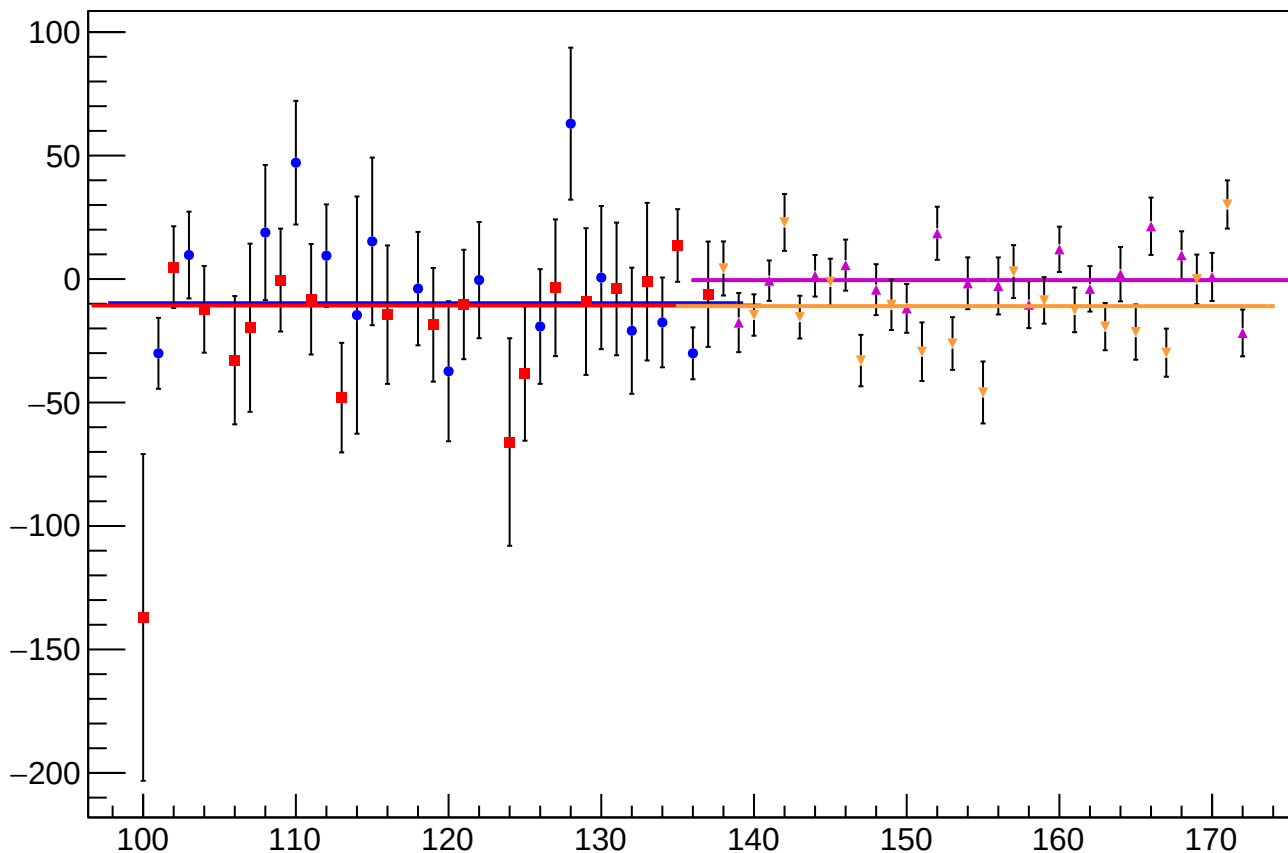
Right Out: 6768.993 $\pm$ 1.805 χ^2 /NDF: 798105.0/18

All: 6427.270 $\pm$ 0.705 χ^2 /NDF: 2294334.2/69

Left In: 6246.092 $\pm$ 1.190 χ^2 /NDF:335400.1/16

- sign 6404.534 $\pm$ 0.994 χ^2 /NDF: 1191981.3/35

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

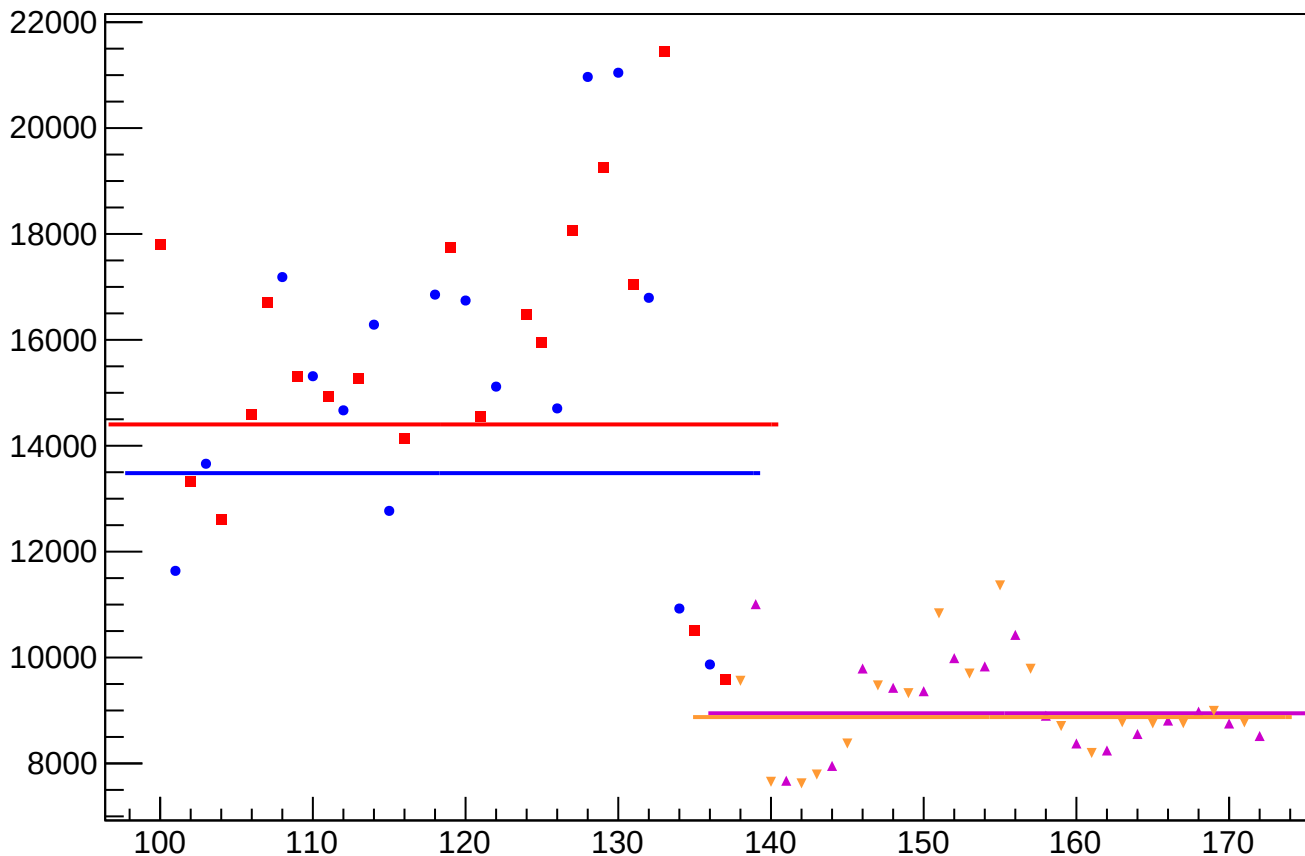
Left In: -0.433 ± 2.404 χ^2/NDF : 20.0/16

+ sign -10.772 ± 2.155 χ^2/NDF : 77.1/33

All: -6.536 ± 1.538 χ^2/NDF : 122.3/69

- sign -2.142 ± 2.195 χ^2/NDF : 37.3/35

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

+ sign 9673.386+/-1.524 χ^2/NDF : 2347078.2/33

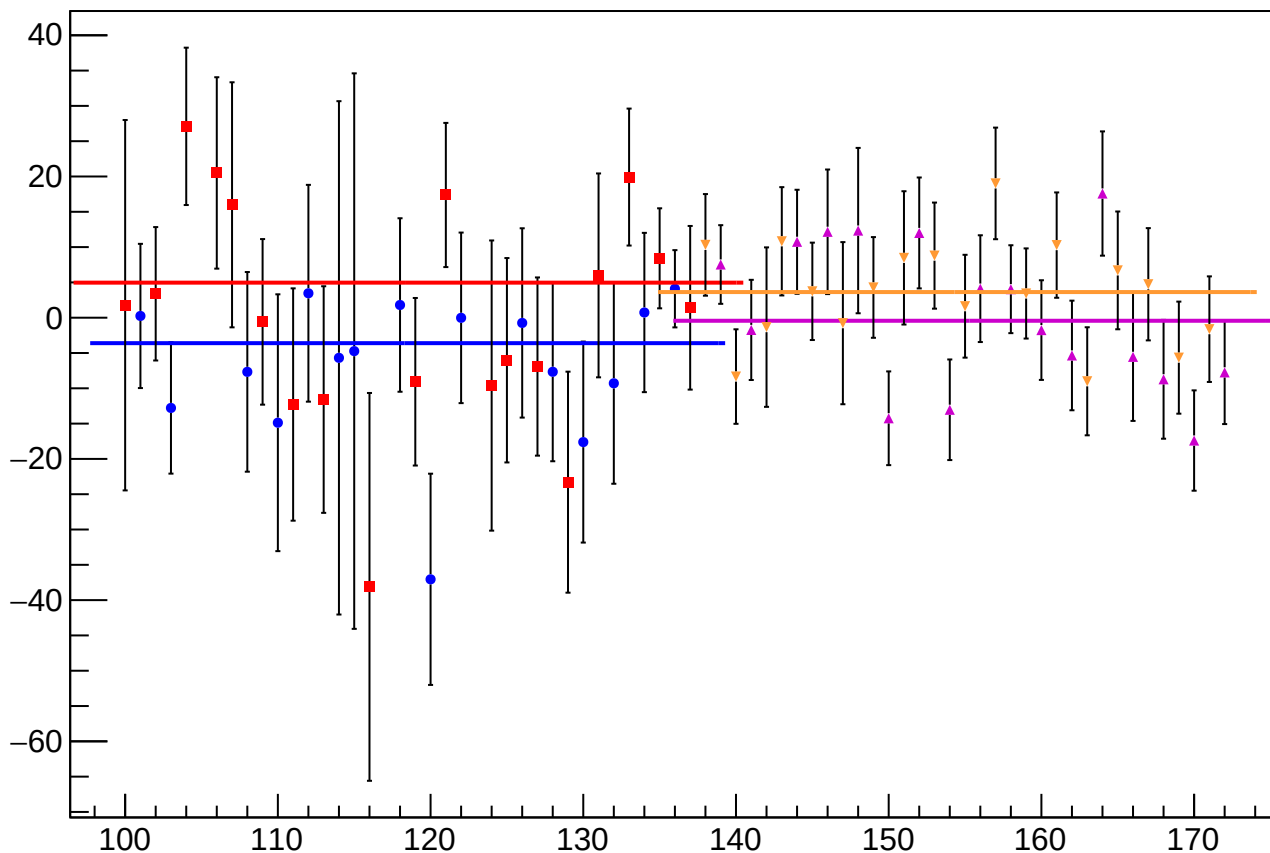
Right Out: 14402.670+/-3.805 χ^2/NDF : 552430.0/18

All: 9762.376+/-1.087 χ^2/NDF : 4870421.5/69

Left In: 8946.929+/-1.700 χ^2/NDF : 249832.5/16

- sign 9854.678+/-1.552 χ^2/NDF : 2516395.4/35

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

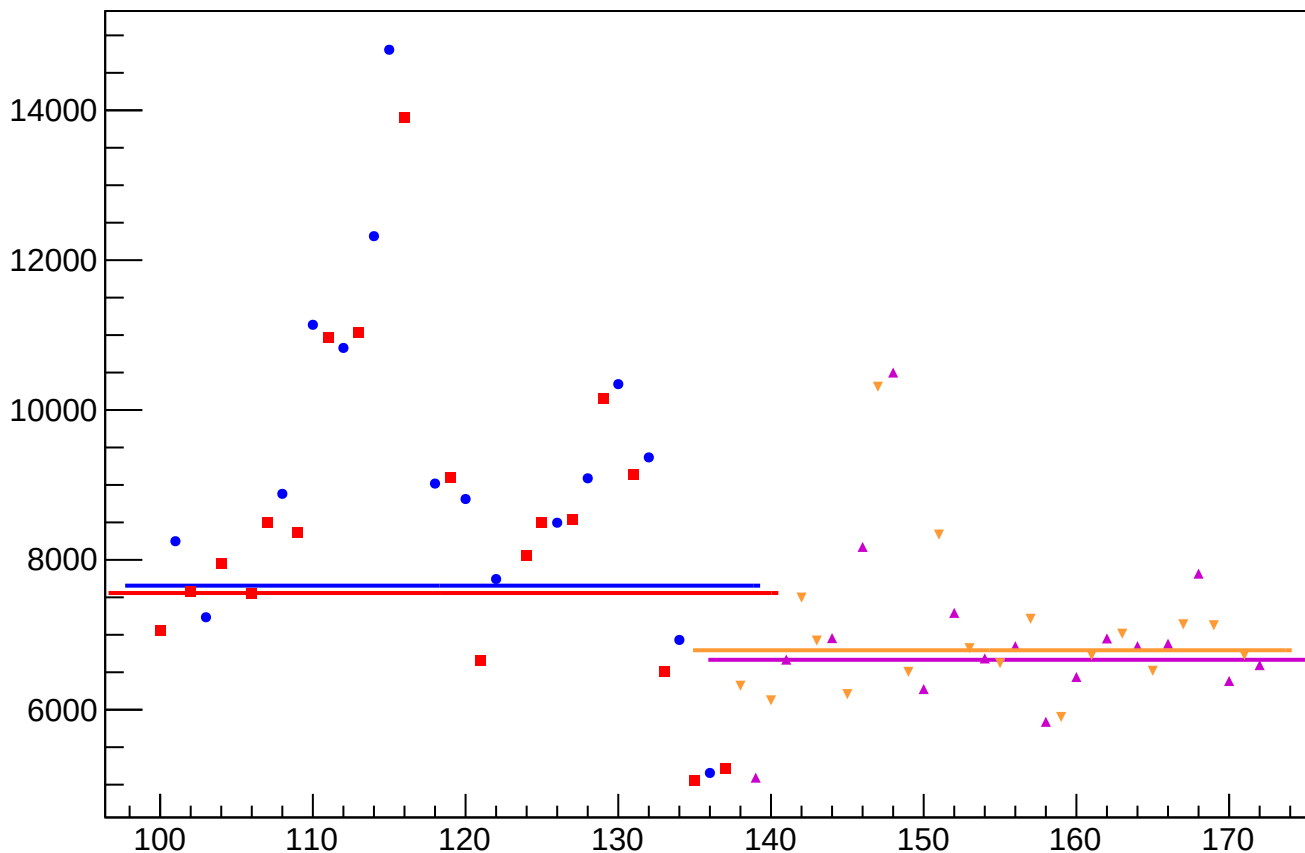
Left In: -0.433 ± 1.805 χ^2/NDF : 31.1/16

+ sign 1.628 ± 1.547 χ^2/NDF : 30.3/33

All: 1.364 ± 1.086 χ^2/NDF : 85.4/69

- sign 1.108 ± 1.526 χ^2/NDF : 55.0/35

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

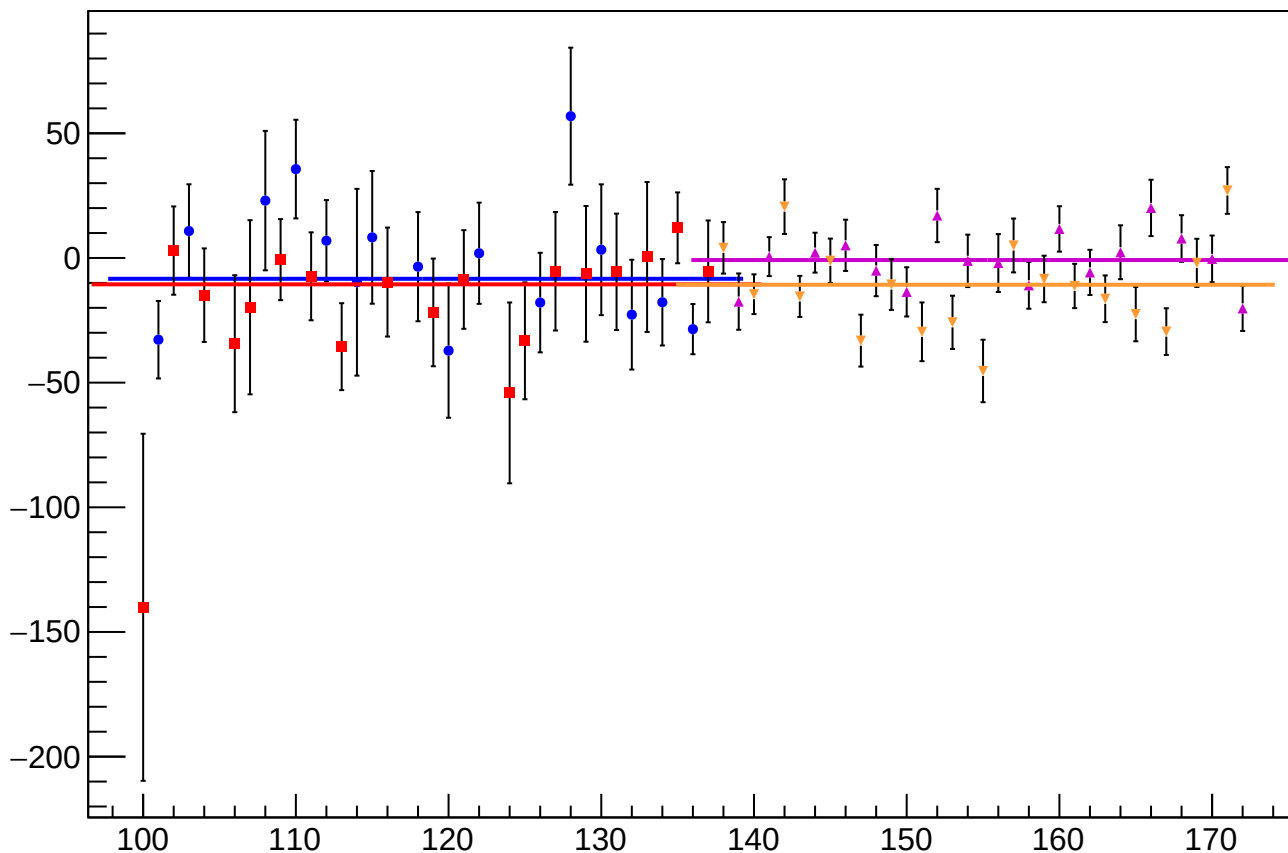
Left In: 6666.233+/-1.276 χ^2 /NDF: 538886.7/16

+ sign 7032.400+/-1.094 χ^2 /NDF: 1357111.3/33

All: 6975.787+/-0.768 χ^2 /NDF: 2850354.9/69

- sign 6920.721+/-1.079 χ^2 /NDF: 1487960.5/35

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

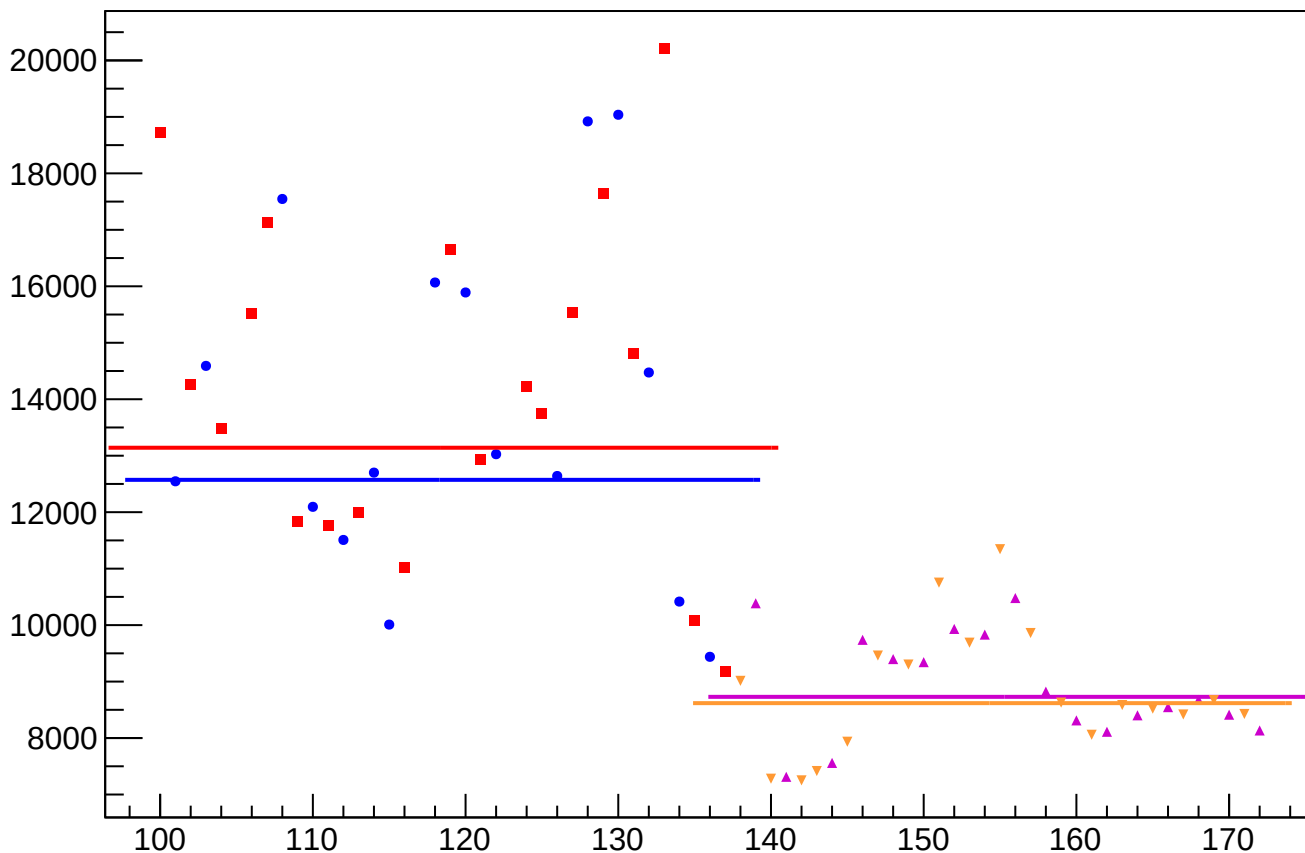
Left In: -0.831 ± 2.348 χ^2/NDF : 19.6/16

+ sign -10.287 ± 2.079 χ^2/NDF : 77.1/33

All: -6.537 ± 1.484 χ^2/NDF : 119.5/69

- sign -2.644 ± 2.119 χ^2/NDF : 35.7/35

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

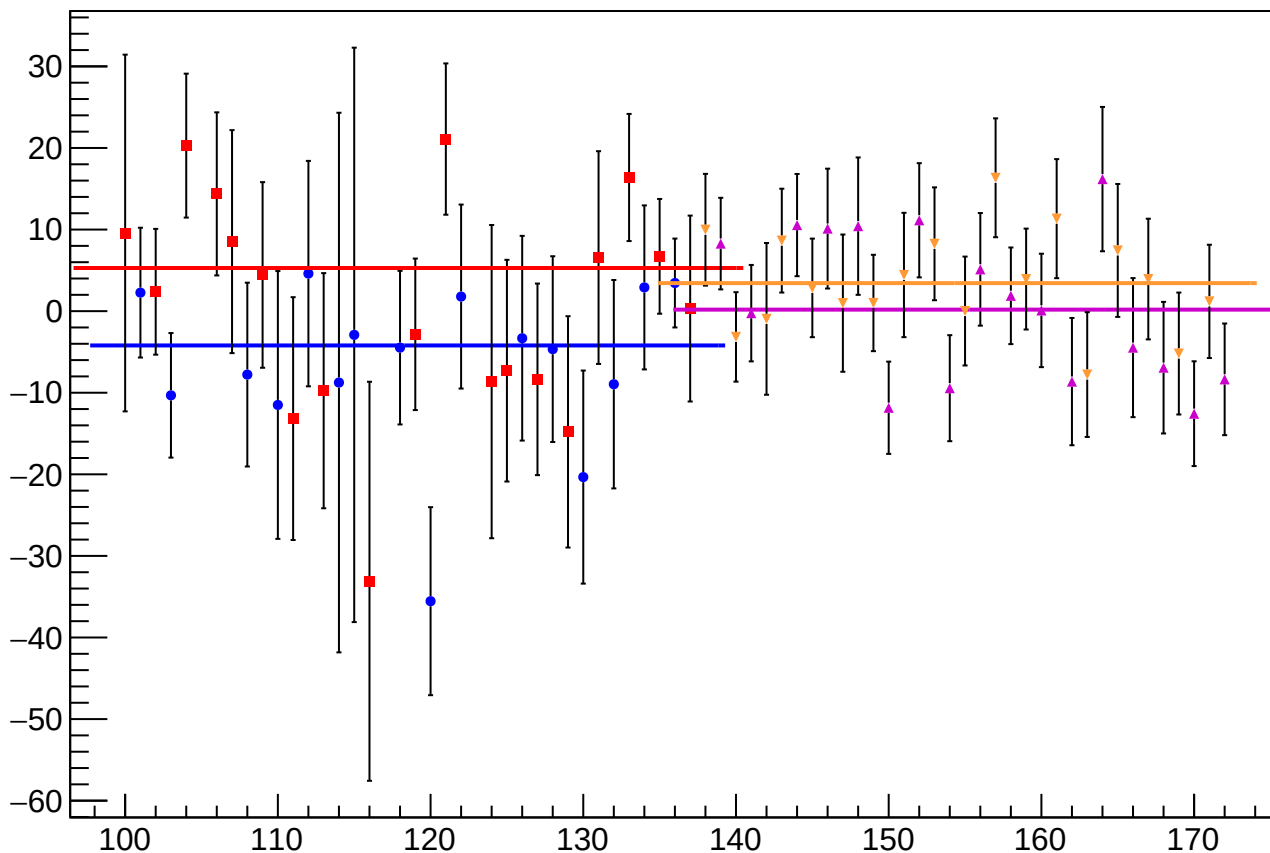
Left In: 8729.796+/-1.661 χ^2/NDF : 306997.5/16

+ sign 9356.009+/-1.470 χ^2/NDF : 2146663.3/33

All: 9451.594+/-1.049 χ^2/NDF : 4310501.6/69

- sign 9550.831+/-1.498 χ^2/NDF : 2155223.5/35

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

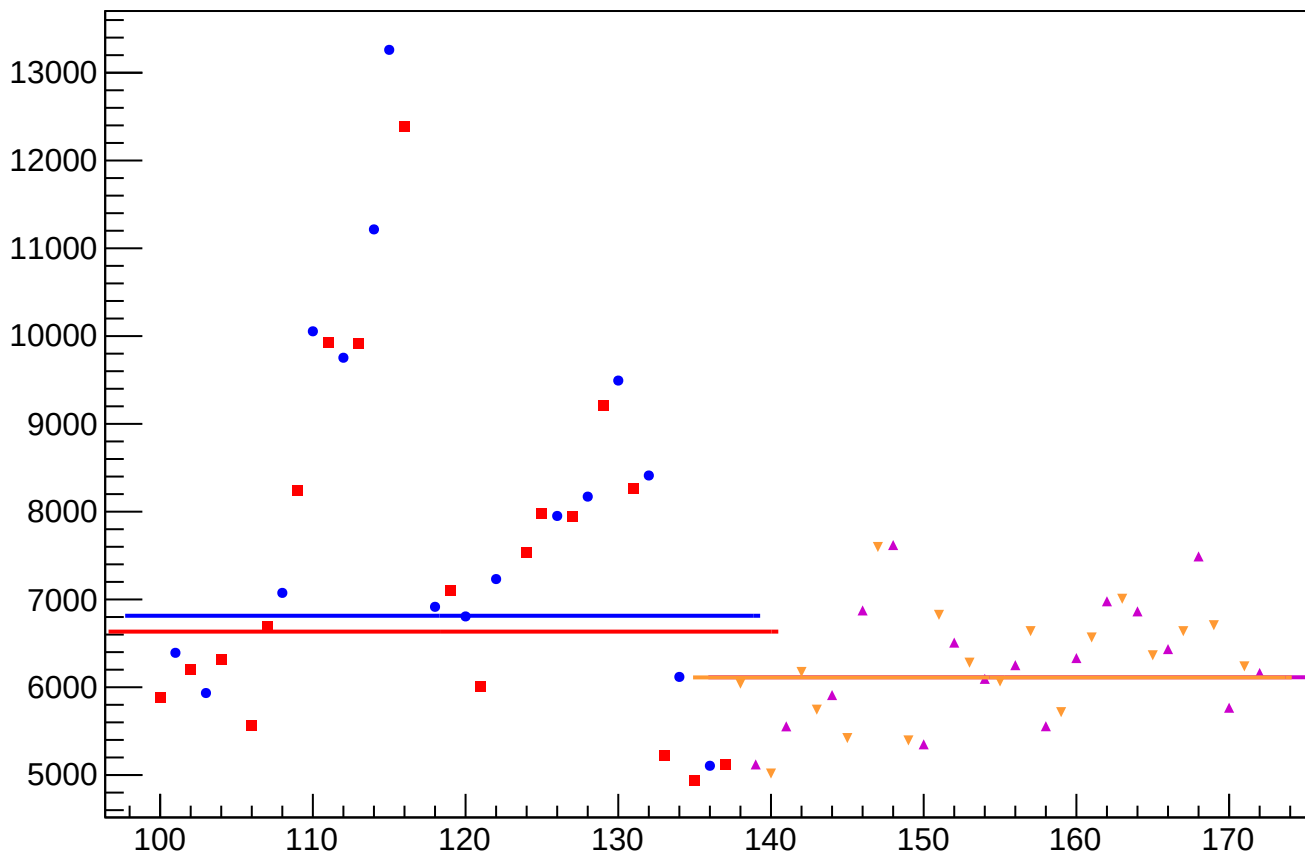
Left In: 0.187 ± 1.648 χ^2/NDF : 29.0/16

+ sign 1.273 ± 1.384 χ^2/NDF : 32.5/33

All: 1.503 ± 0.976 χ^2/NDF : 84.2/69

- sign 1.730 ± 1.376 χ^2/NDF : 51.7/35

diff_bpm4ecY_rms vs Slug



Right In: 6814.282 $\pm$ 1.839 χ^2 /NDF: 674093.4/15

Left Out: 6112.012 $\pm$ 1.155 χ^2 /NDF:302844.5/17

Right Out: 6633.695 $\pm$ 1.769 χ^2 /NDF: 763347.6/18

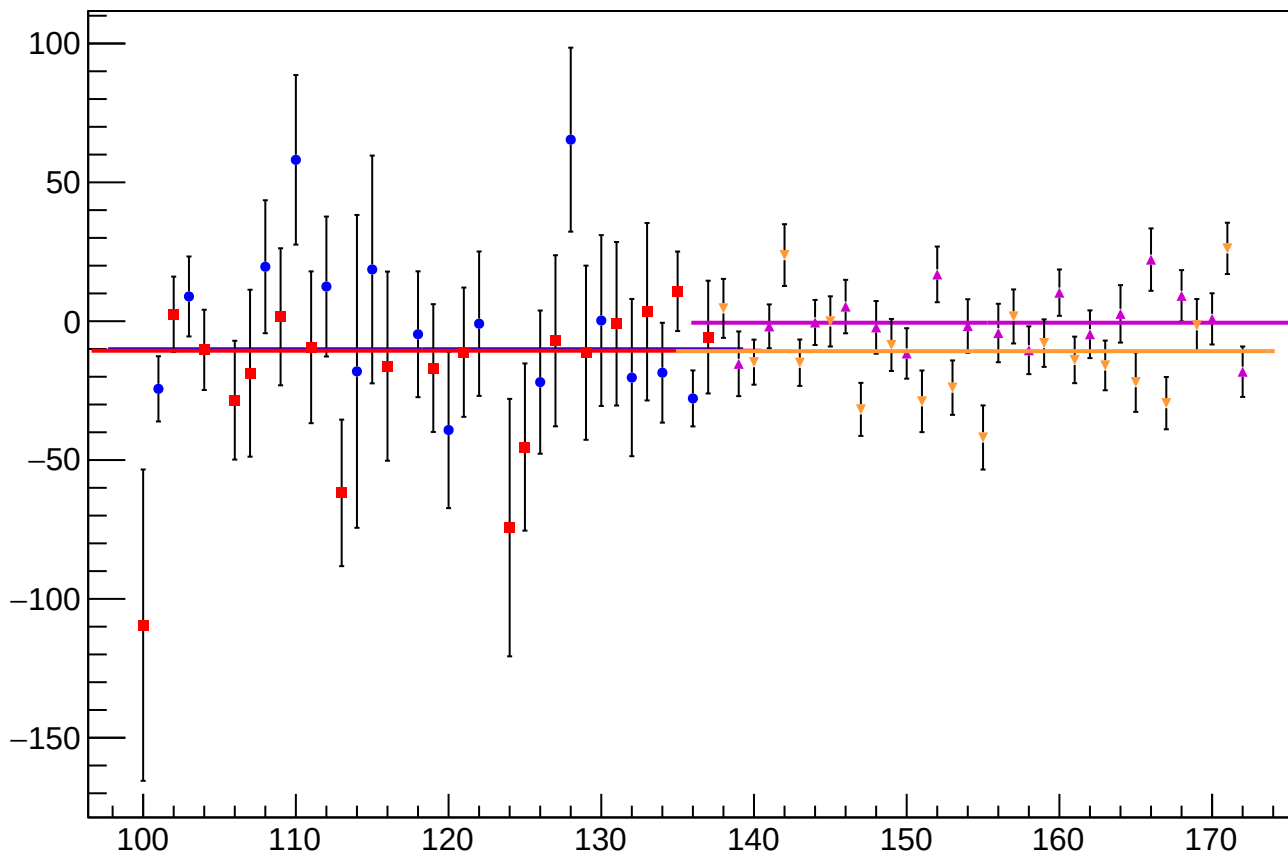
Left In: 6113.768 $\pm$ 1.166 χ^2 /NDF:337510.2/16

+ sign 6310.821 $\pm$ 0.978 χ^2 /NDF: 1081514.7/33

All: 6290.870 $\pm$ 0.690 χ^2 /NDF: 2243426.4/69

- sign 6271.124 $\pm$ 0.973 χ^2 /NDF: 1161084.2/35

diff_bpm1X_mean vs Slug



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

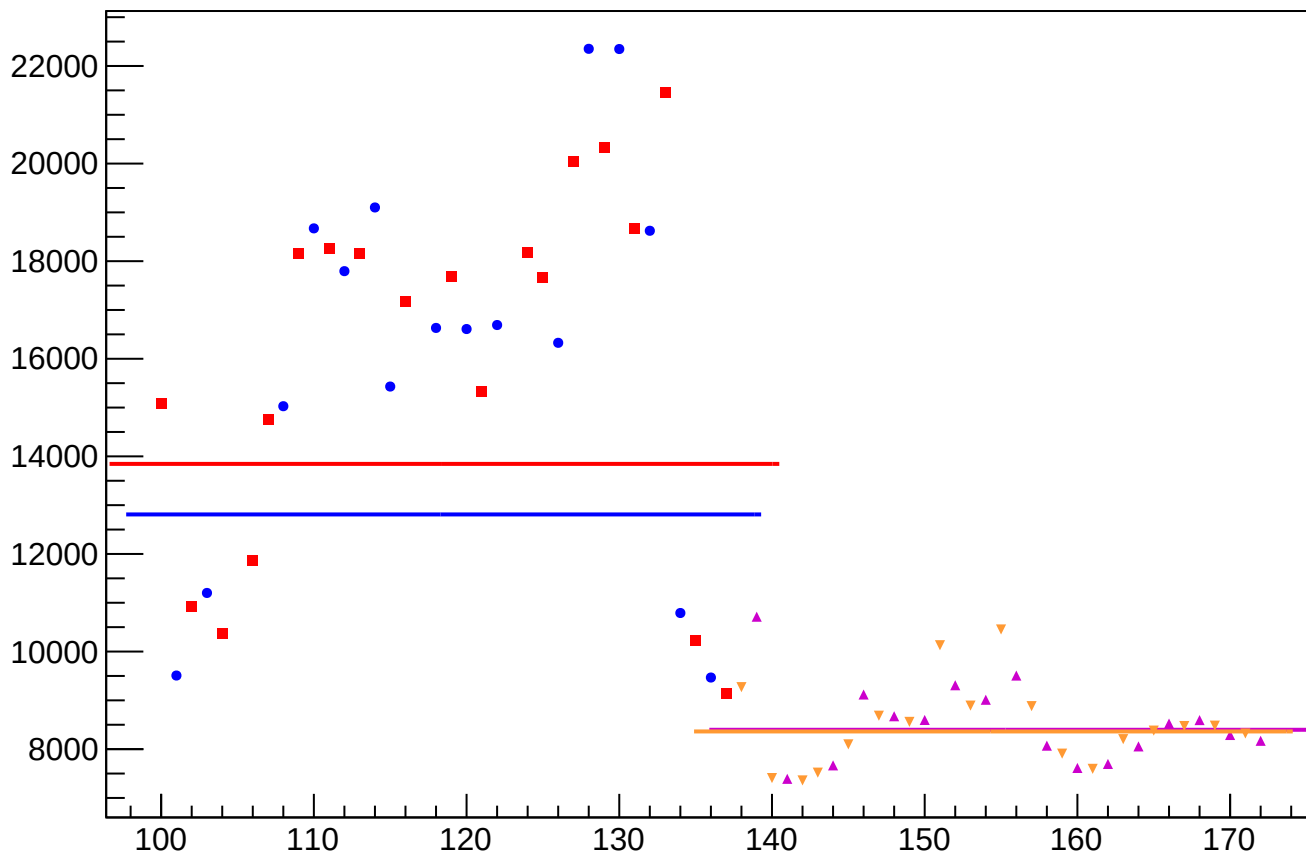
Left In: -0.550 ± 2.255 χ^2/NDF : 19.0/16

+ sign -10.681 ± 2.038 χ^2/NDF : 75.8/33

All: -6.468 ± 1.454 χ^2/NDF : 121.3/69

- sign -2.106 ± 2.074 χ^2/NDF : 36.8/35

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

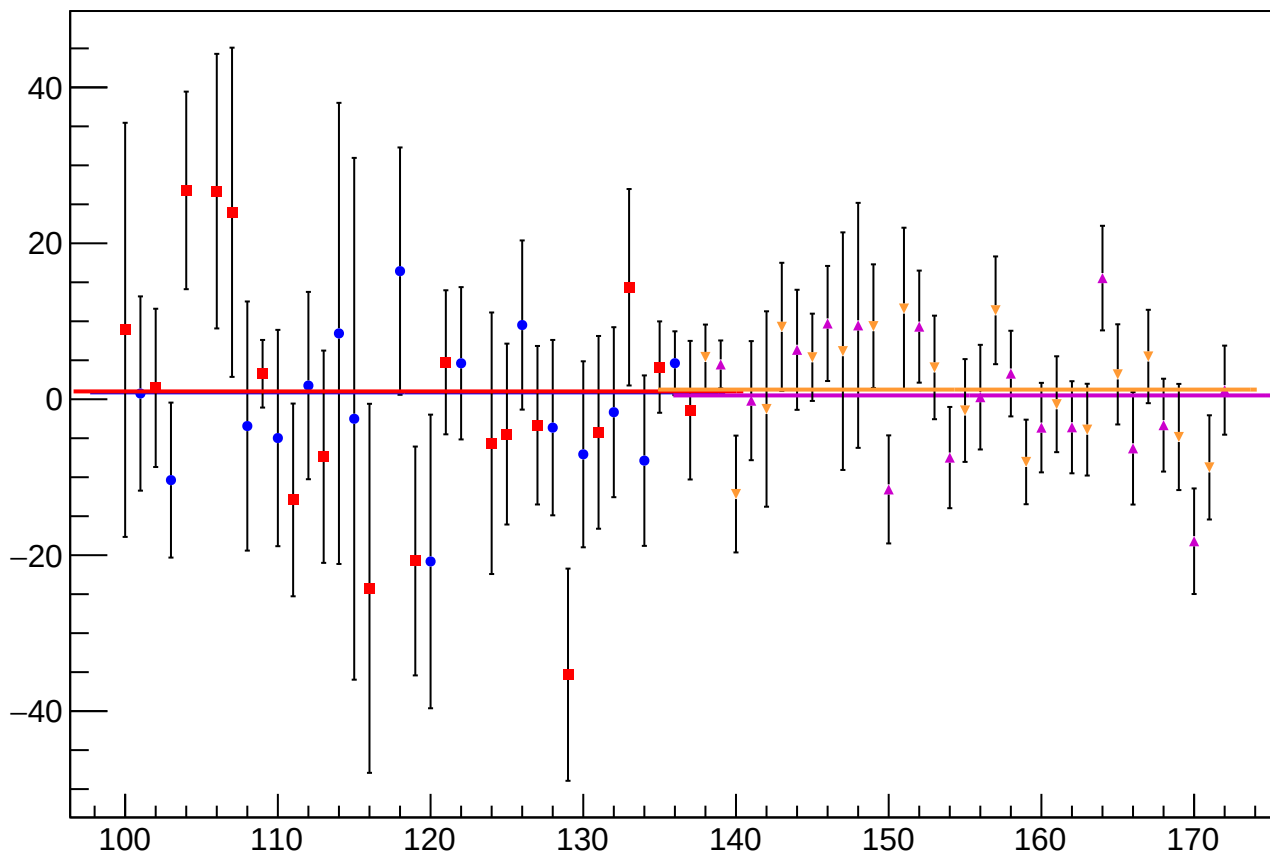
Left In: 8396.851+/-1.595 χ^2/NDF : 227225.7/16

+ sign 9096.764+/-1.441 χ^2/NDF : 2795611.6/33

All: 9166.411+/-1.028 χ^2/NDF : 5927314.0/69

- sign 9238.511+/-1.466 χ^2/NDF : 3126949.9/35

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

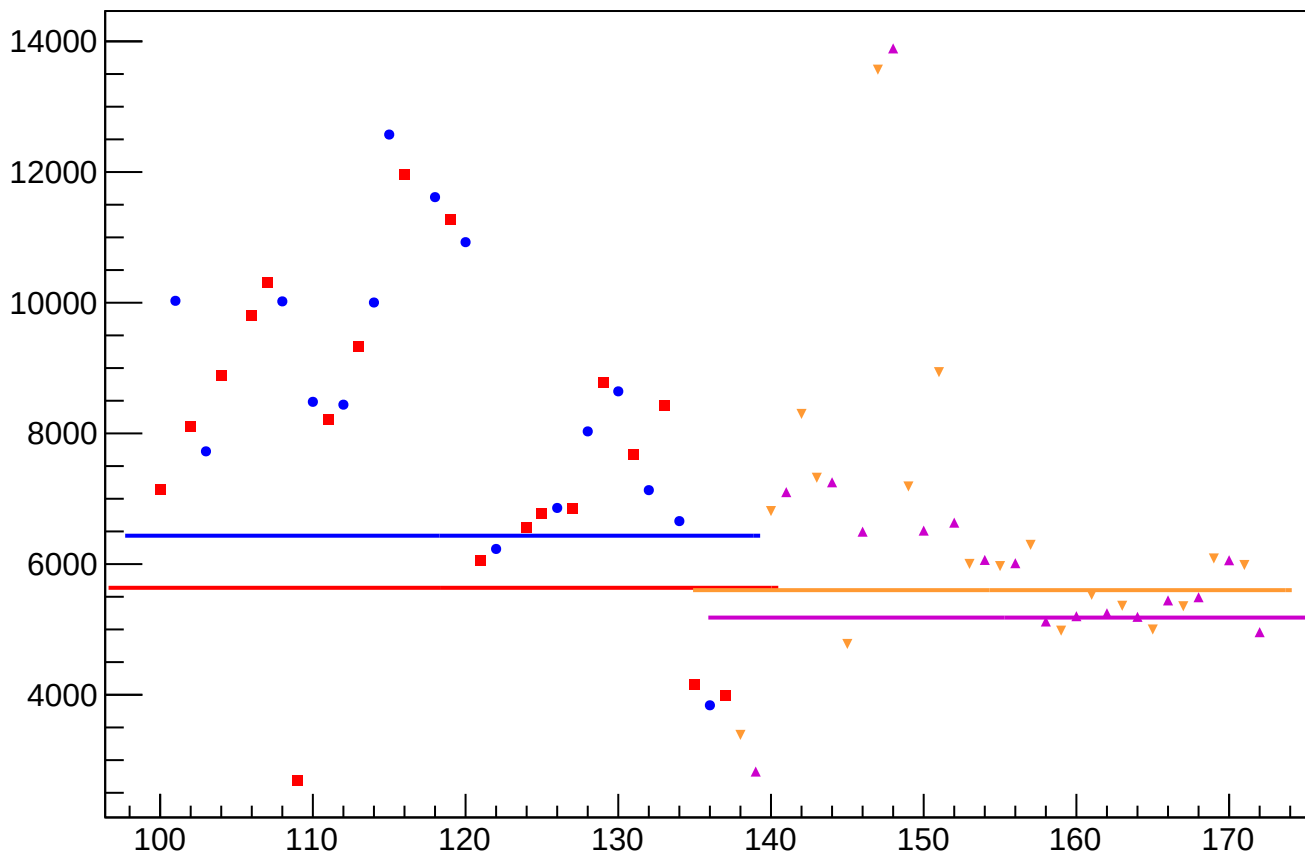
Left In: 0.491 ± 1.470 χ^2/NDF : 25.4/16

+ sign 1.143 ± 1.334 χ^2/NDF : 24.7/33

All: 0.873 ± 0.908 χ^2/NDF : 72.5/69

- sign 0.639 ± 1.241 χ^2/NDF : 47.8/35

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

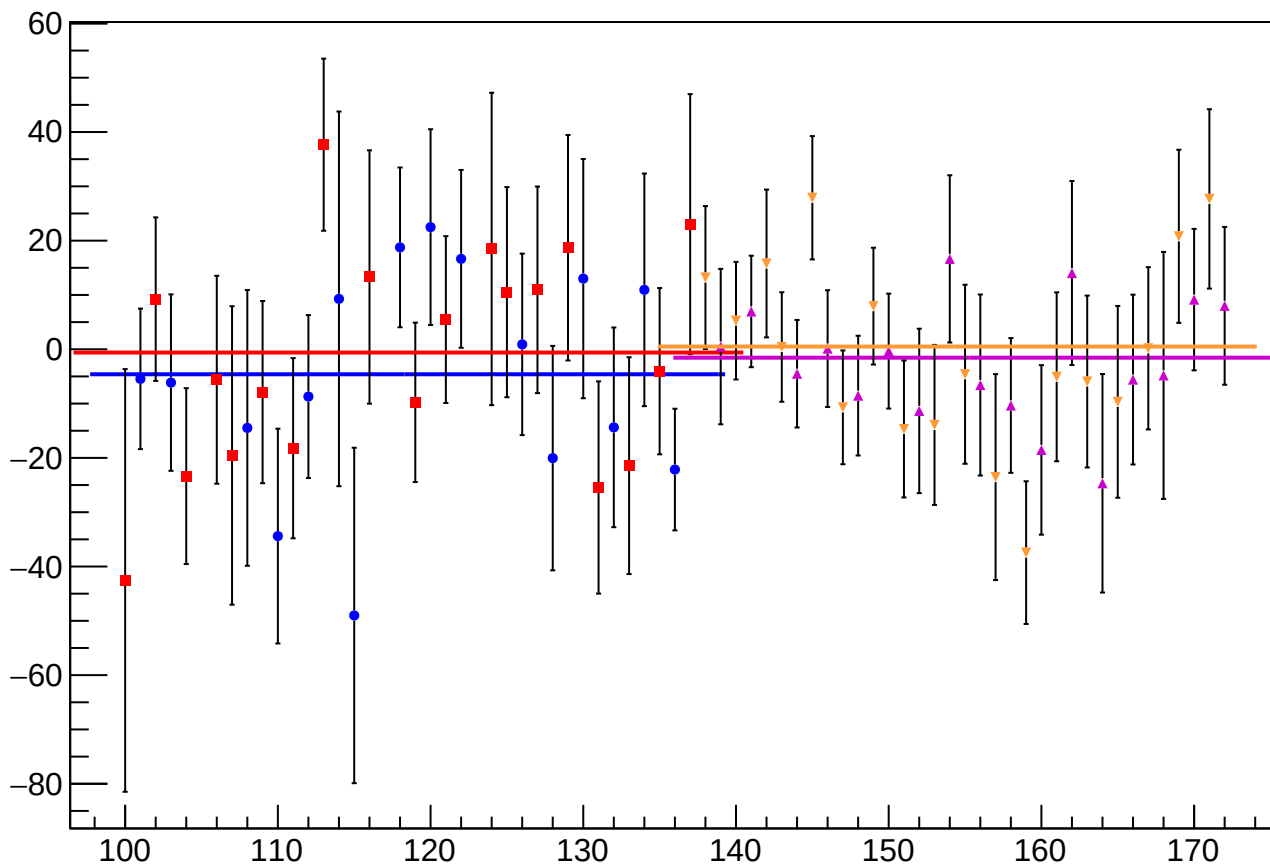
Left In: 5181.450+/-1.039 χ^2/NDF : 2394128.3/16

+ sign 5826.326+/-0.943 χ^2/NDF : 3683813.6/33

All: 5550.934+/-0.642 χ^2/NDF : 8872387.4/69

- sign 5312.540+/-0.877 χ^2/NDF : 5029455.4/35

diff_bpm11X_mean vs Slug



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

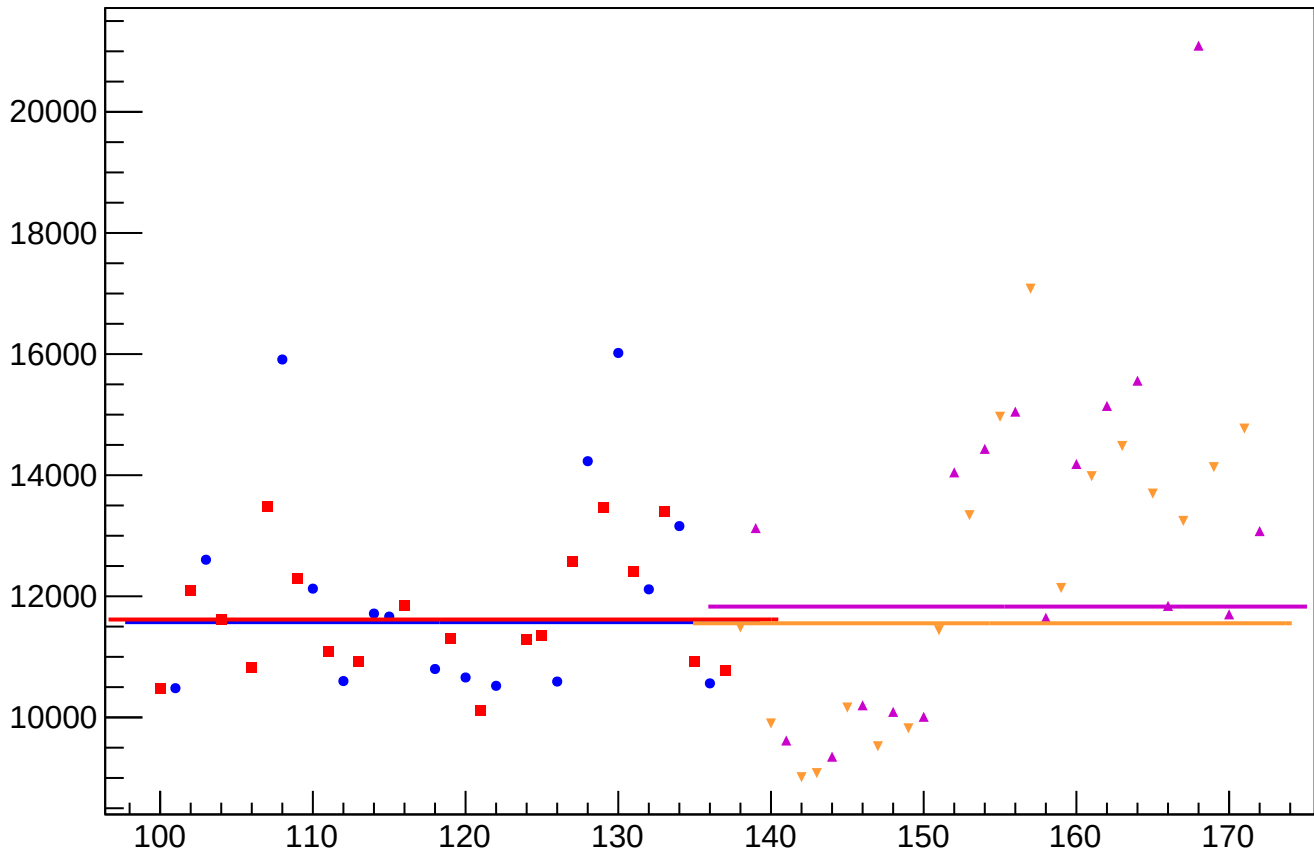
Left In: -1.549 ± 3.231 χ^2/NDF : 8.2/16

+ sign -1.243 ± 2.545 χ^2/NDF : 43.9/33

All: -1.223 ± 1.810 χ^2/NDF : 70.0/69

- sign -1.203 ± 2.576 χ^2/NDF : 26.1/35

diff_bpm11X_rms vs Slug



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

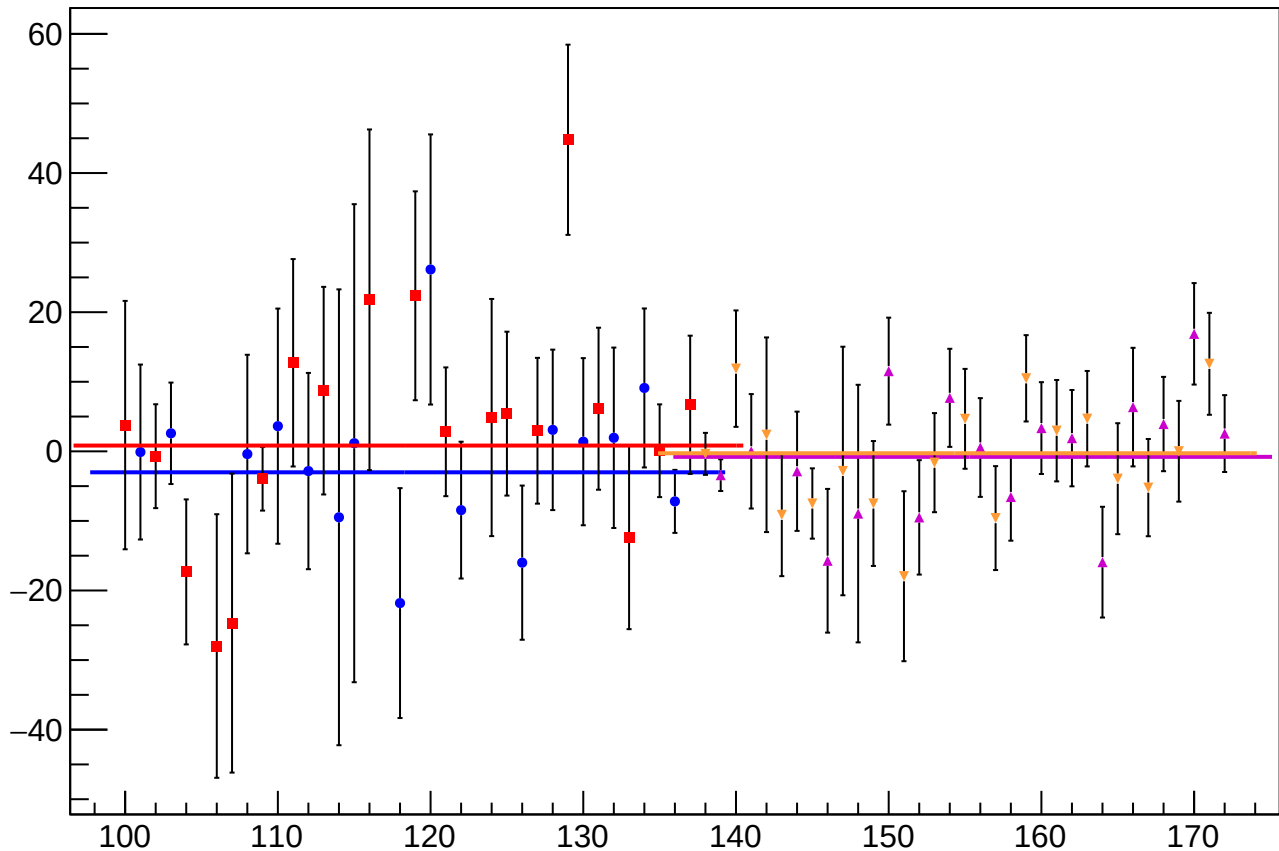
Left In: 11830.081+/-2.285 χ^2/NDF : 1102564.6/16

+ sign 11560.891+/-1.800 χ^2/NDF : 1243803.0/33

All: 11655.476+/-1.280 χ^2/NDF : 2448301.4/6

- sign 11752.342+/-1.821 χ^2/NDF : 1198907.5/35

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

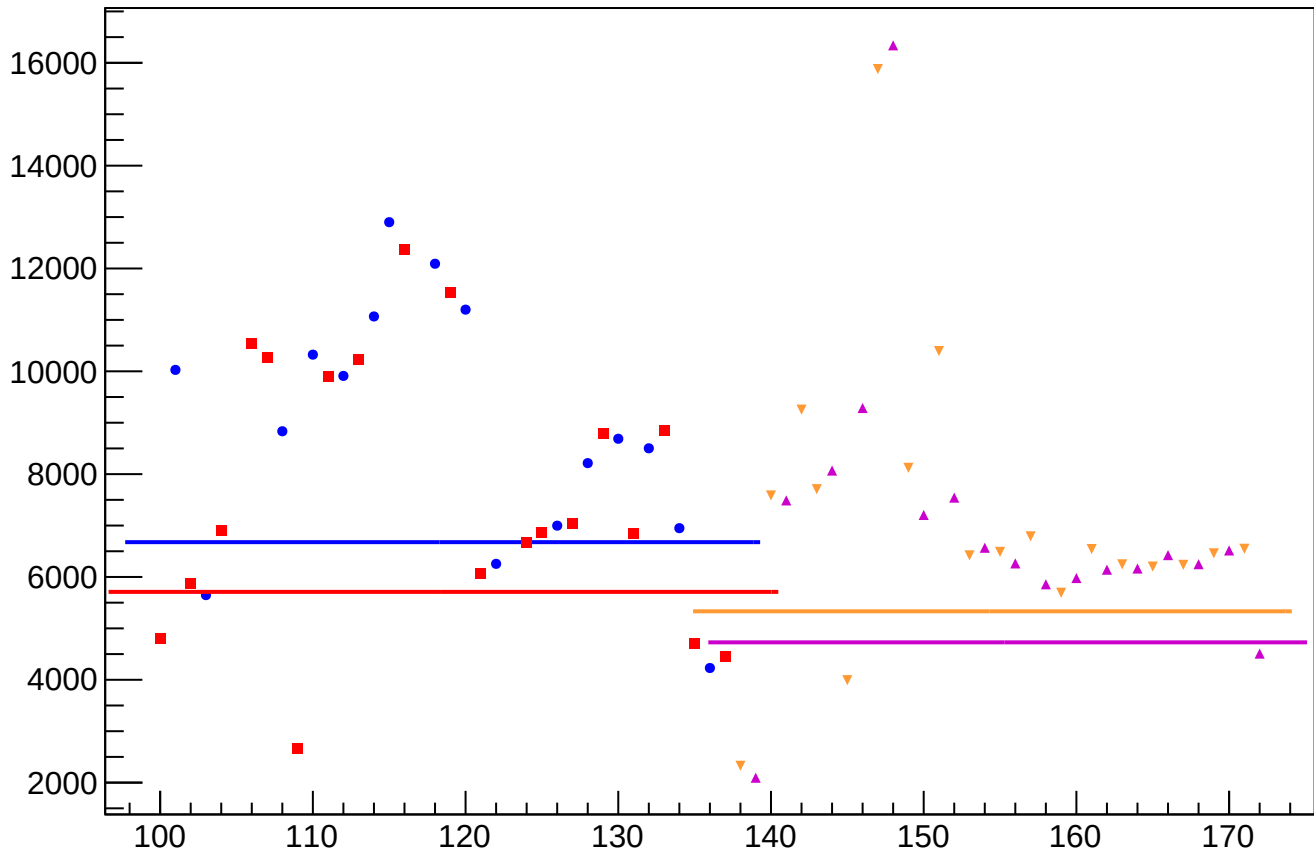
Left In: -0.793 ± 1.448 χ^2/NDF : 21.3/16

+ sign -0.992 ± 1.358 χ^2/NDF : 27.0/33

All: -0.638 ± 0.913 χ^2/NDF : 72.6/69

- sign -0.346 ± 1.233 χ^2/NDF : 45.5/35

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

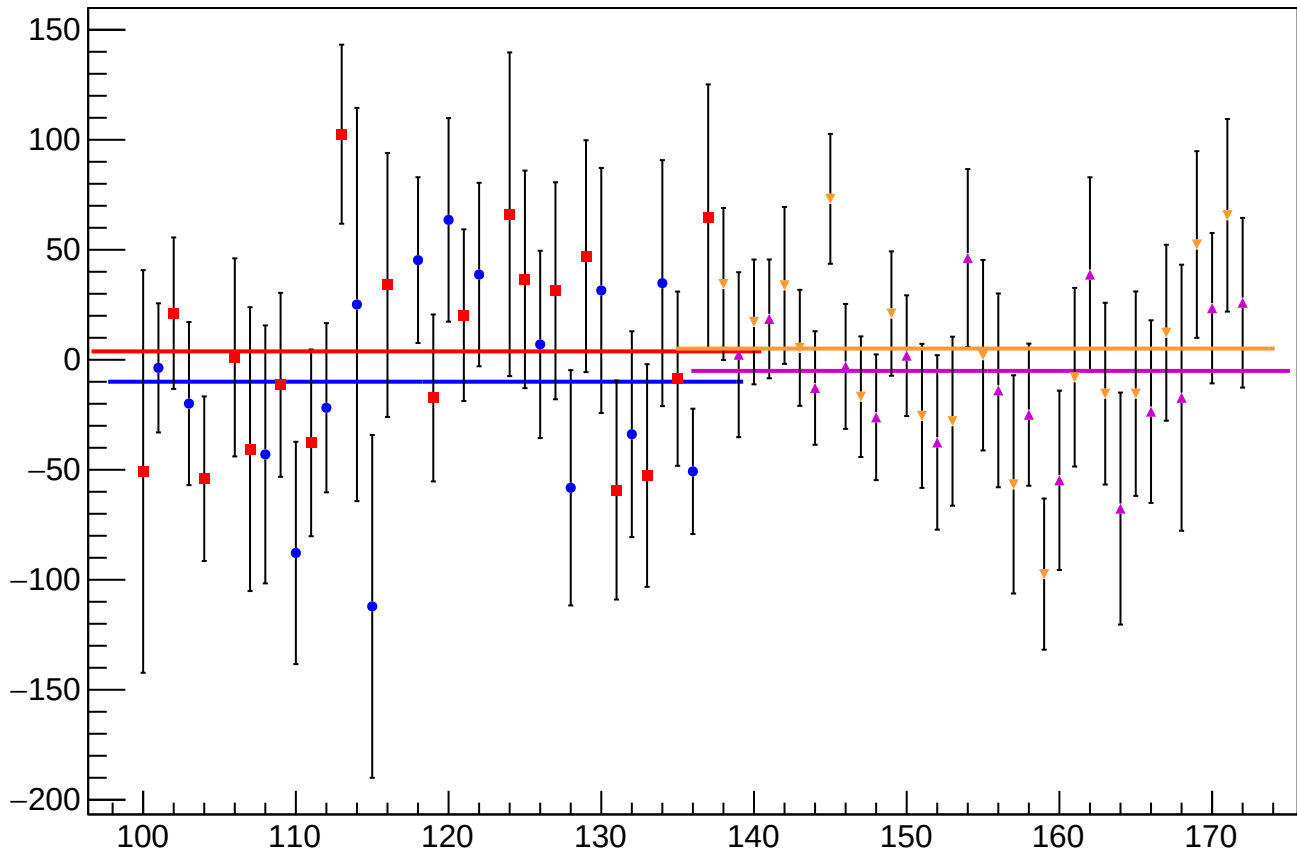
Left In: 4728.158+/-1.024 χ^2/NDF : 5633143.8/16

+ sign 5683.975+/-0.960 χ^2/NDF : 6189900.6/33

All: 5308.130+/-0.645 χ^2/NDF : 14656472.9/6

- sign 4998.084+/-0.872 χ^2/NDF : 8186869.2/35

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

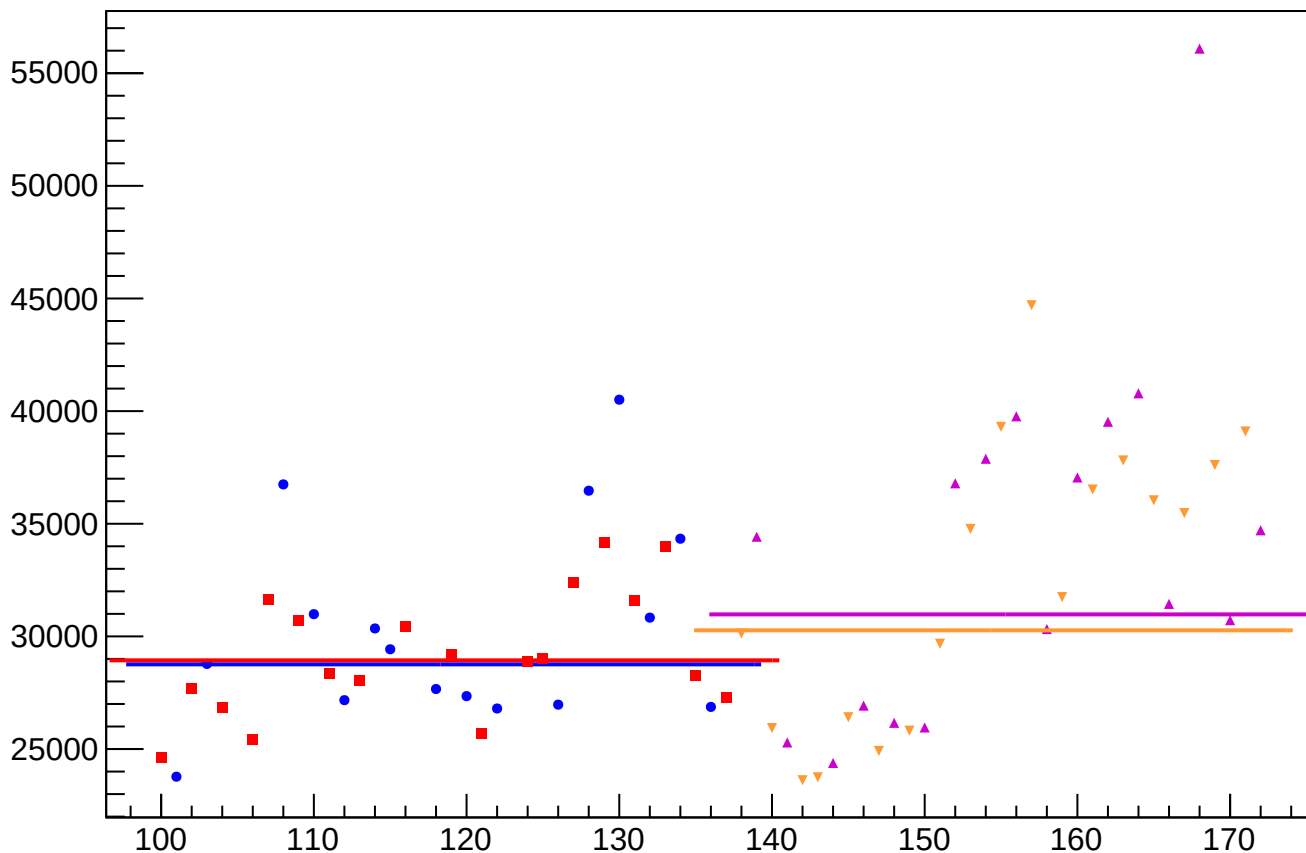
Left In: -5.039 ± 8.465 χ^2/NDF : 9.7/16

+ sign -0.403 ± 6.550 χ^2/NDF : 40.1/33

All: -0.998 ± 4.657 χ^2/NDF : 67.6/69

- sign -1.606 ± 6.623 χ^2/NDF : 27.4/35

diff_bpm12X_rms vs Slug



Right In: 28759.090 $\pm$ 7.662 χ^2 /NDF: 277639.9/15

Left Out: 30269.532 $\pm$ 5.814 χ^2 /NDF:1007064.2/17

Right Out: 28937.633 $\pm$ 7.521 χ^2 /NDF: 106266.0/18

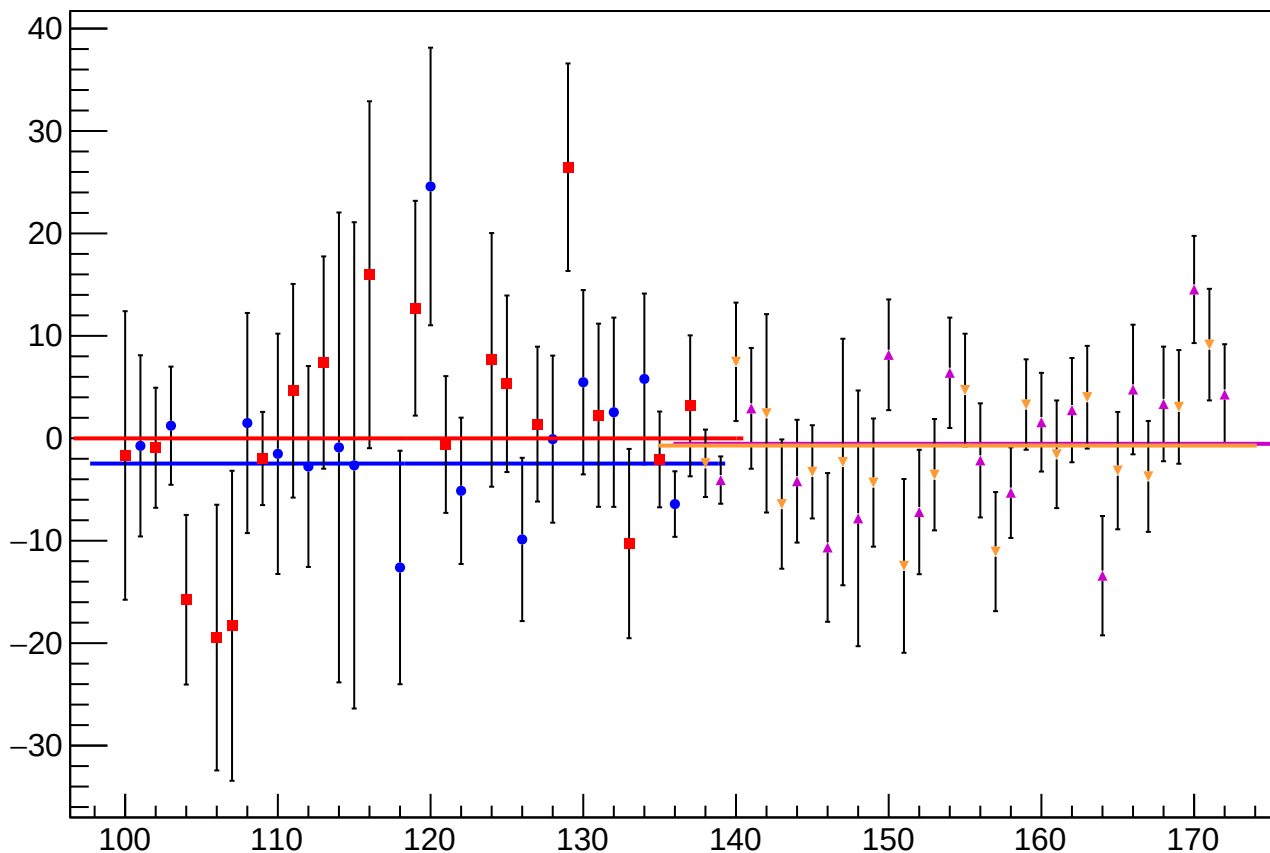
Left In: 30976.683 $\pm$ 5.985 χ^2 /NDF:1135292.0/16

+ sign 29717.674 $\pm$ 4.632 χ^2 /NDF: 1309364.8/33

All: 29949.237 $\pm$ 3.293 χ^2 /NDF: 2600980.0/66

- sign 30186.009 $\pm$ 4.683 χ^2 /NDF: 1286559.7/35

diff_bpm12Y_mean vs Slug



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

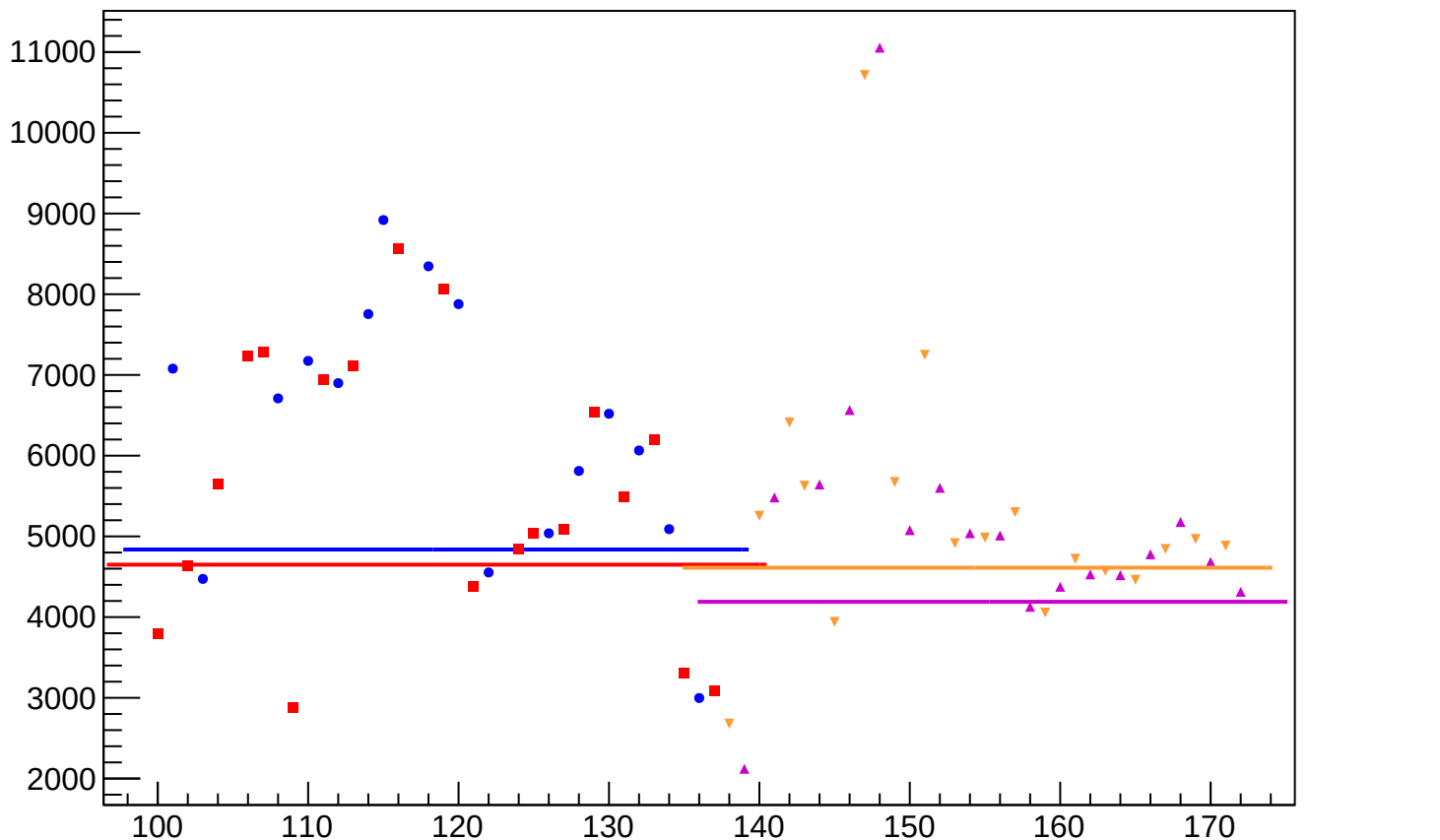
Left In: -0.539 ± 1.200 χ^2/NDF : 28.0/16

+ sign -1.253 ± 1.066 χ^2/NDF : 26.8/33

All: -0.790 ± 0.731 χ^2/NDF : 75.1/69

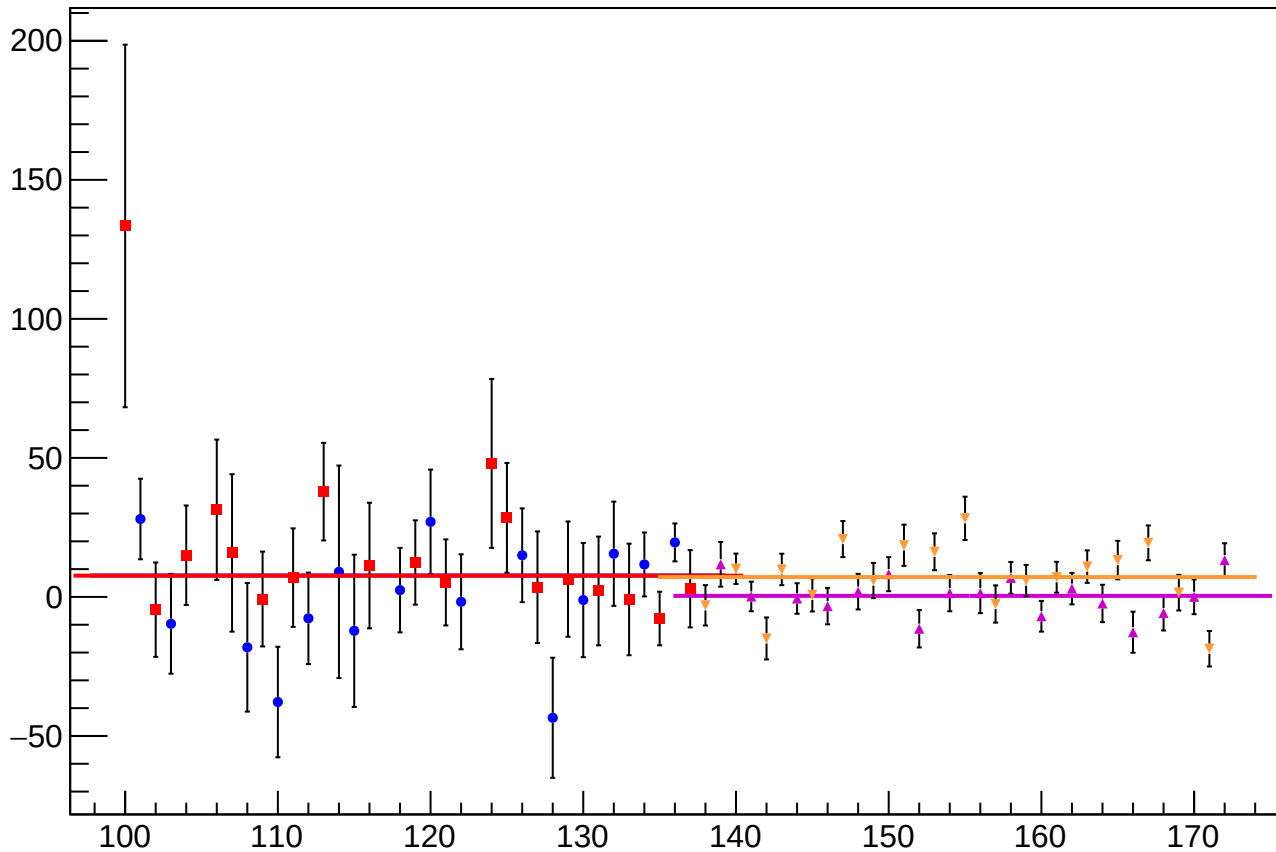
- sign -0.379 ± 1.003 χ^2/NDF : 48.0/35

diff_bpm12Y_rms vs Slug



Right In: 4837.176+/-1.355	χ^2/NDF : 1547766.9/15	+ sign 4681.880+/-0.754	χ^2/NDF : 3304356.9/33
Left Out: 4612.183+/-0.907	χ^2/NDF : 1737547.1/17	All: 4494.357+/-0.517	χ^2/NDF : 7954986.1/69
Right Out: 4649.613+/-1.293	χ^2/NDF : 1434548.7/18	- sign 4328.407+/-0.709	χ^2/NDF : 4534010.8/35
Left In: 4190.086+/-0.848	χ^2/NDF : 3011132.3/16		

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

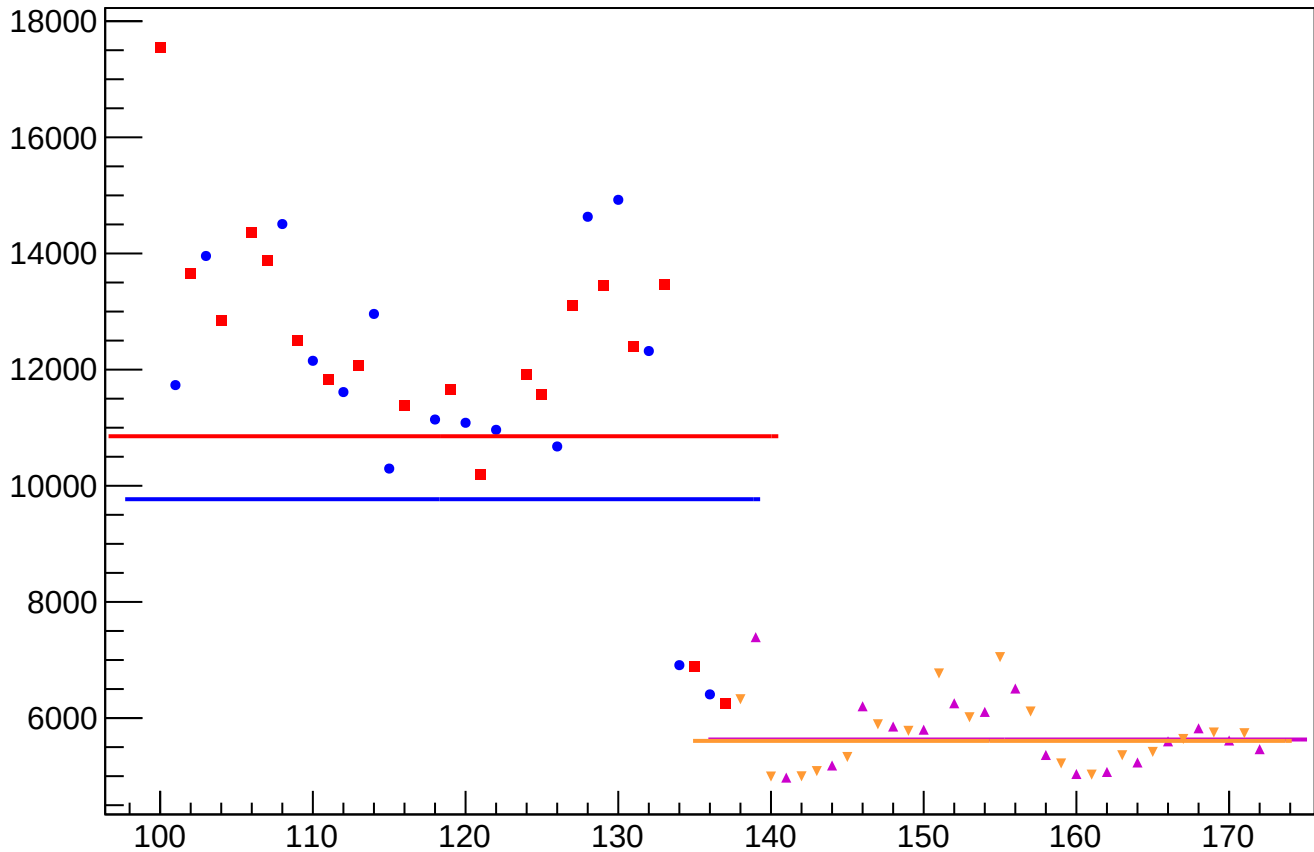
Left In: 0.382 ± 1.514 χ^2/NDF : 19.1/16

+ sign 7.225 ± 1.394 χ^2/NDF : 74.2/33

All: 4.295 ± 0.995 χ^2/NDF : 119.7/69

- sign 1.254 ± 1.420 χ^2/NDF : 36.5/35

diff_bpm16X_rms vs Slug



Right In: 9768.772 $\pm$ 2.701 χ^2 /NDF: 1213694.6/15

Left Out: 5607.454 $\pm$ 1.058 χ^2 /NDF: 259591.0/17

Right Out: 10852.989 $\pm$ 2.899 χ^2 /NDF: 874500.2/18

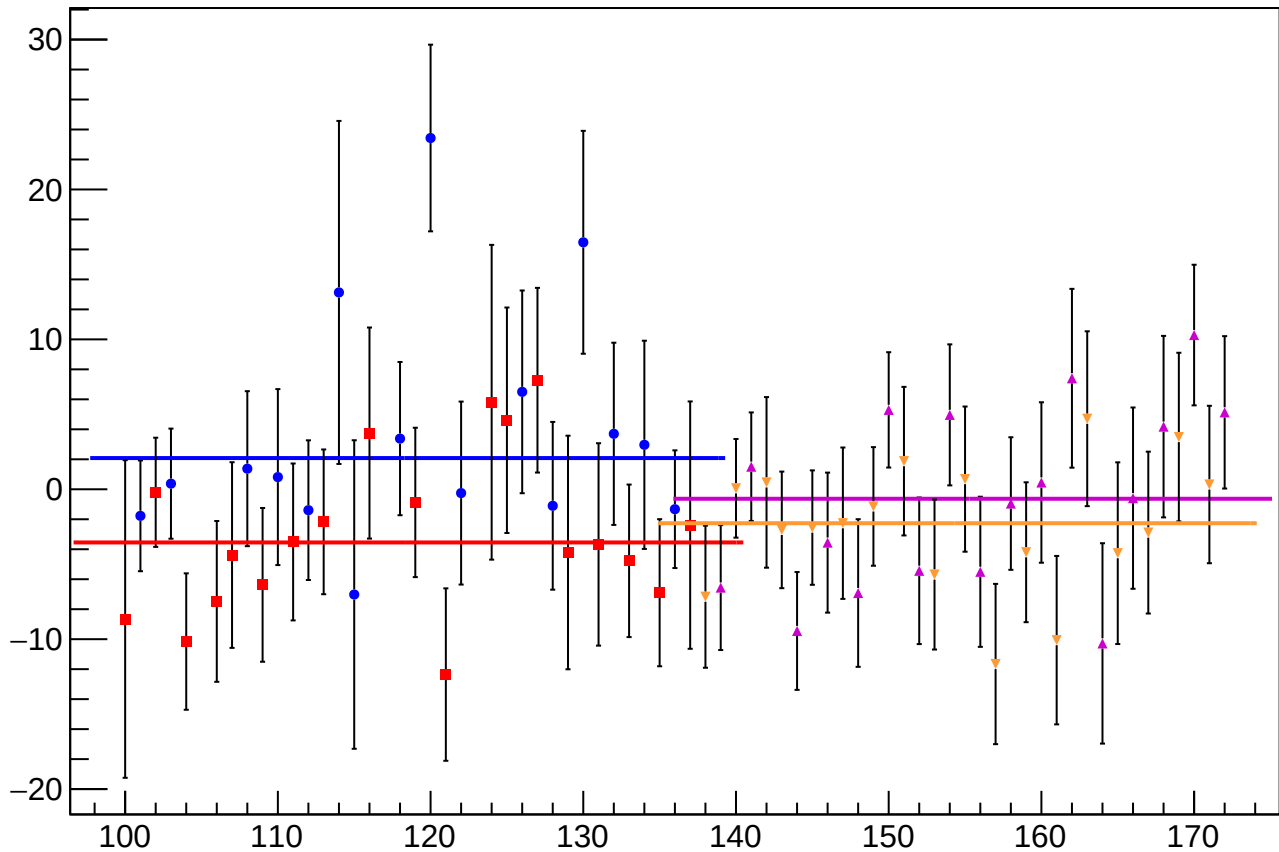
Left In: 5631.066 $\pm$ 1.070 χ^2 /NDF: 273866.6/16

+ sign 6161.290 $\pm$ 0.985 χ^2 /NDF: 3531026.5/33

All: 6208.571 $\pm$ 0.703 χ^2 /NDF: 7540189.3/69

- sign 6257.664 $\pm$ 1.004 χ^2 /NDF: 4004469.8/35

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

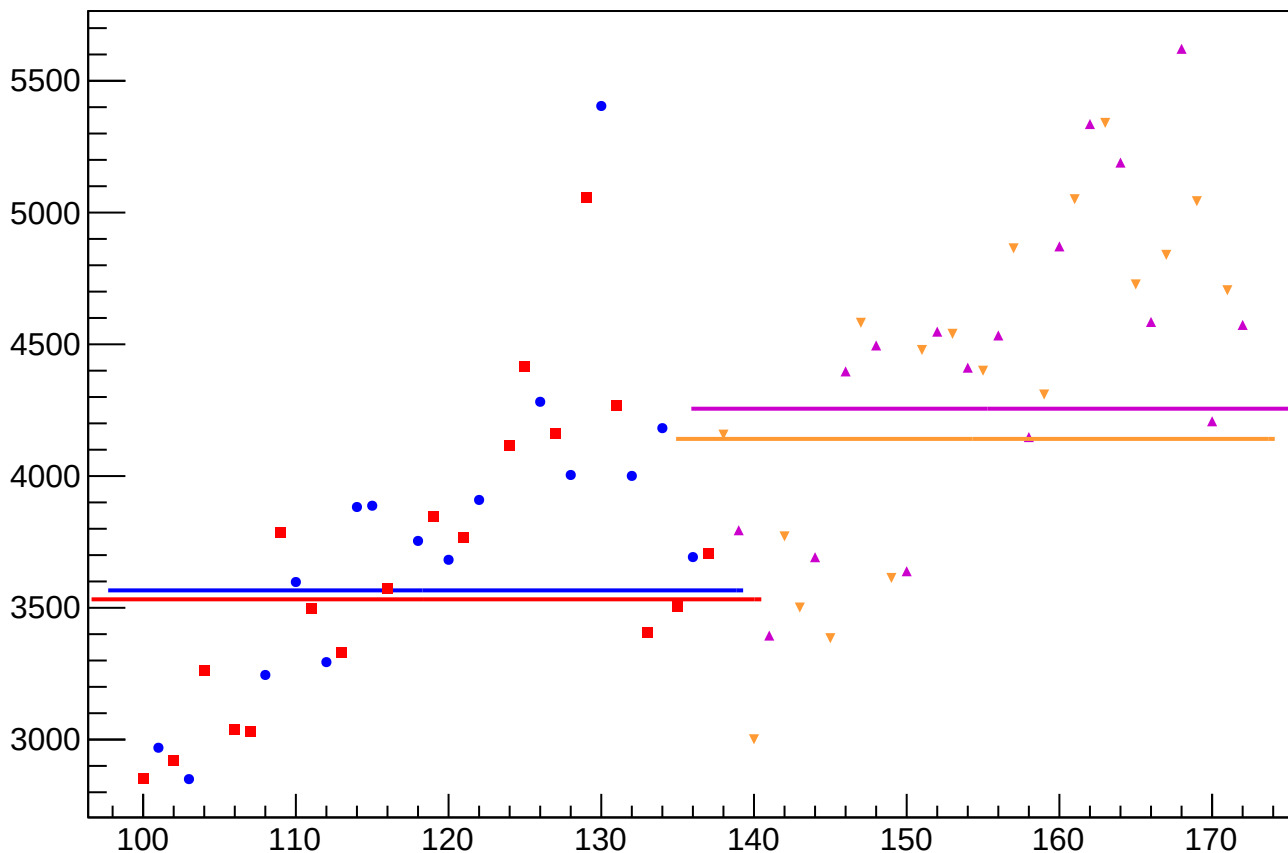
Left In: -0.633 ± 1.150 χ^2/NDF : 26.4/16

+ sign -0.489 ± 0.860 χ^2/NDF : 38.6/33

All: -1.196 ± 0.609 χ^2/NDF : 82.6/69

- sign -1.908 ± 0.863 χ^2/NDF : 42.7/35

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

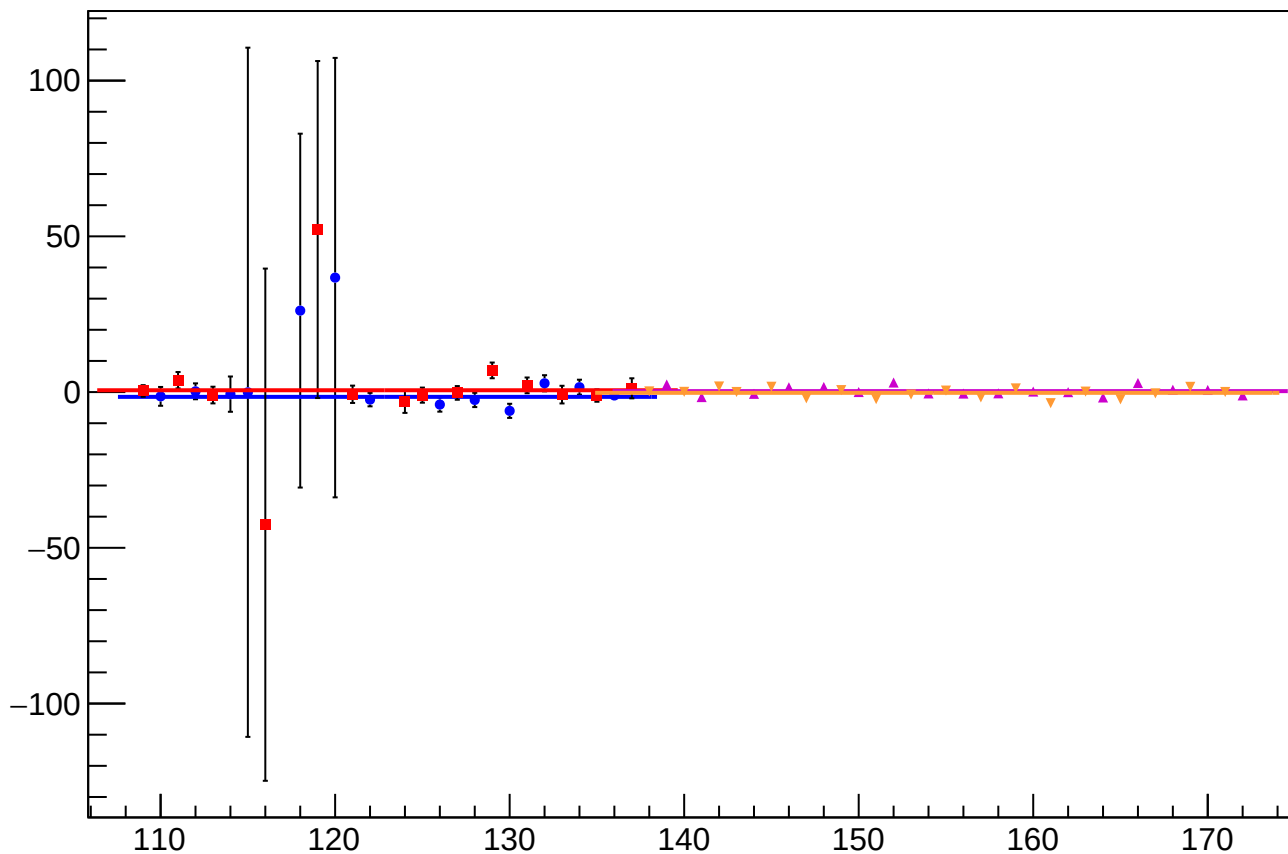
Left In: 4255.679+/-0.813 χ^2/NDF : 500482.5/16

+ sign 3906.272+/-0.608 χ^2/NDF : 1319925.0/33

All: 3922.619+/-0.431 χ^2/NDF : 2446704.3/69

- sign 3939.081+/-0.610 χ^2/NDF : 1125328.0/35

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

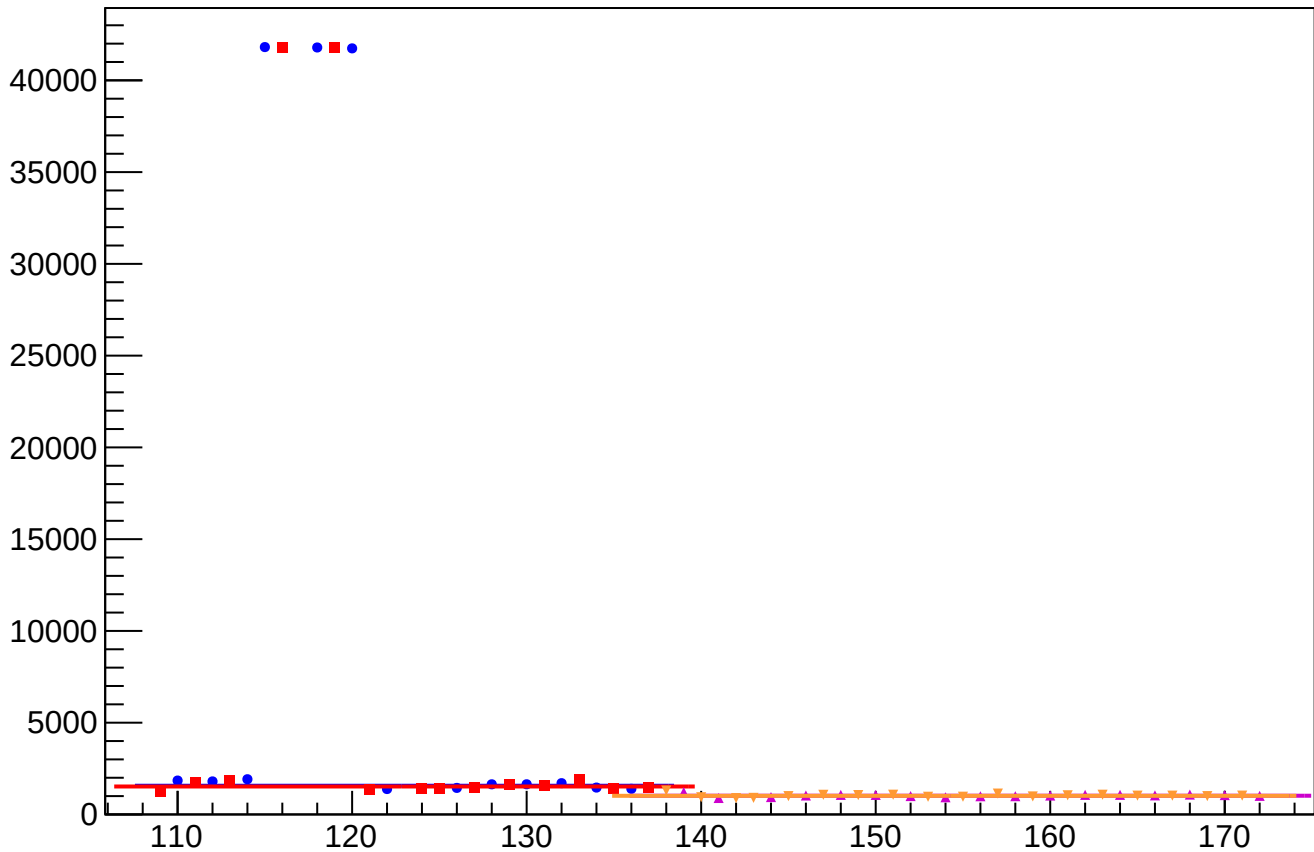
Left In: 0.303 ± 0.273 χ^2/NDF : 25.6/16

+ sign -0.395 ± 0.254 χ^2/NDF : 43.2/30

All: -0.030 ± 0.180 χ^2/NDF : 85.8/61

- sign 0.340 ± 0.256 χ^2/NDF : 38.4/30

diff_bpm1p02bX_rms vs Slug



Right In: 1564.307 ± 0.518 $\chi^2/\text{NDF}: 2016990.6/12$

Left Out: 1015.759 ± 0.191 $\chi^2/\text{NDF}: 178116.4/17$

+ sign 1081.538 ± 0.179 $\chi^2/\text{NDF}: 3181649.0/30$

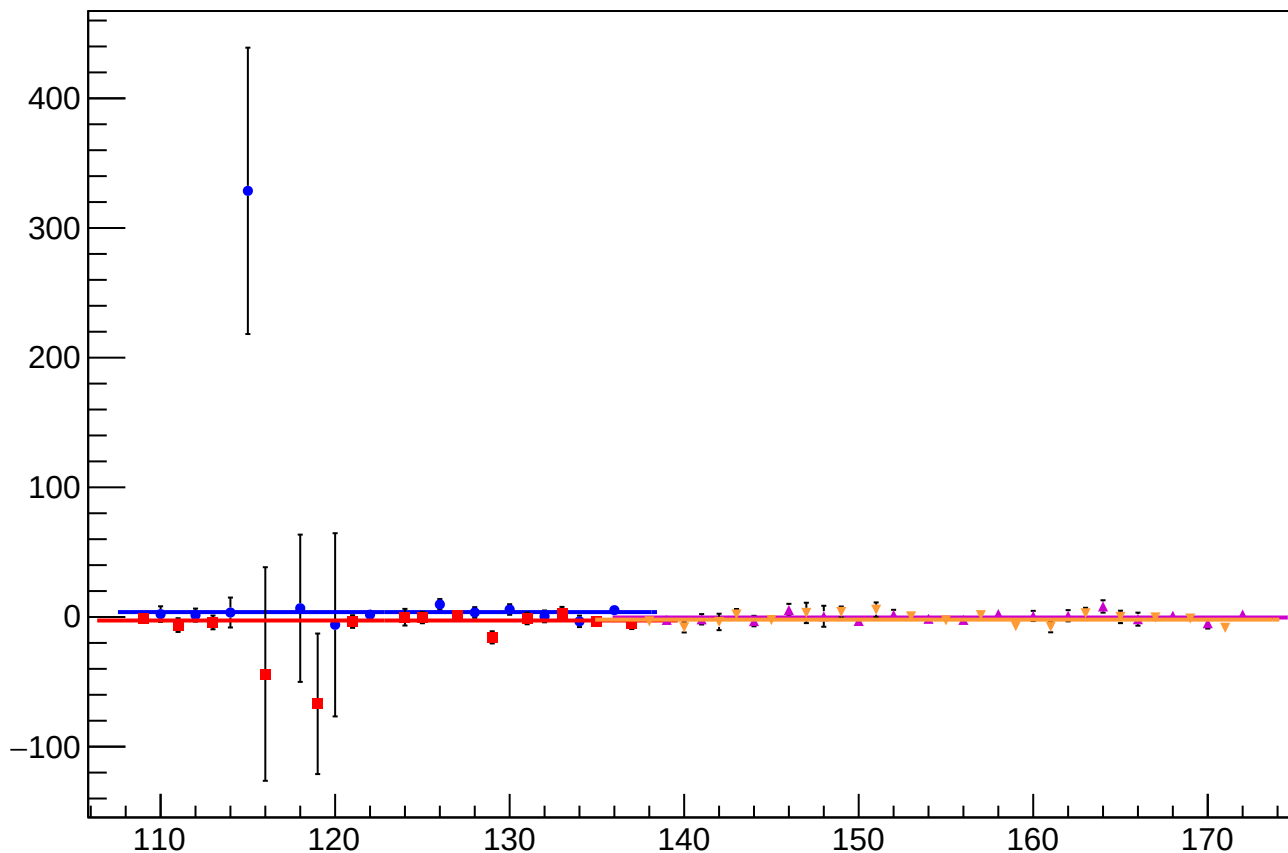
Right Out: 1523.678 ± 0.507 $\chi^2/\text{NDF}: 1739658.0/13$

All: 1082.808 ± 0.127 $\chi^2/\text{NDF}: 5906152.1/63$

Left In: 1020.164 ± 0.193 $\chi^2/\text{NDF}: 123897.9/16$

- sign 1084.097 ± 0.181 $\chi^2/\text{NDF}: 2724402.1/30$

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

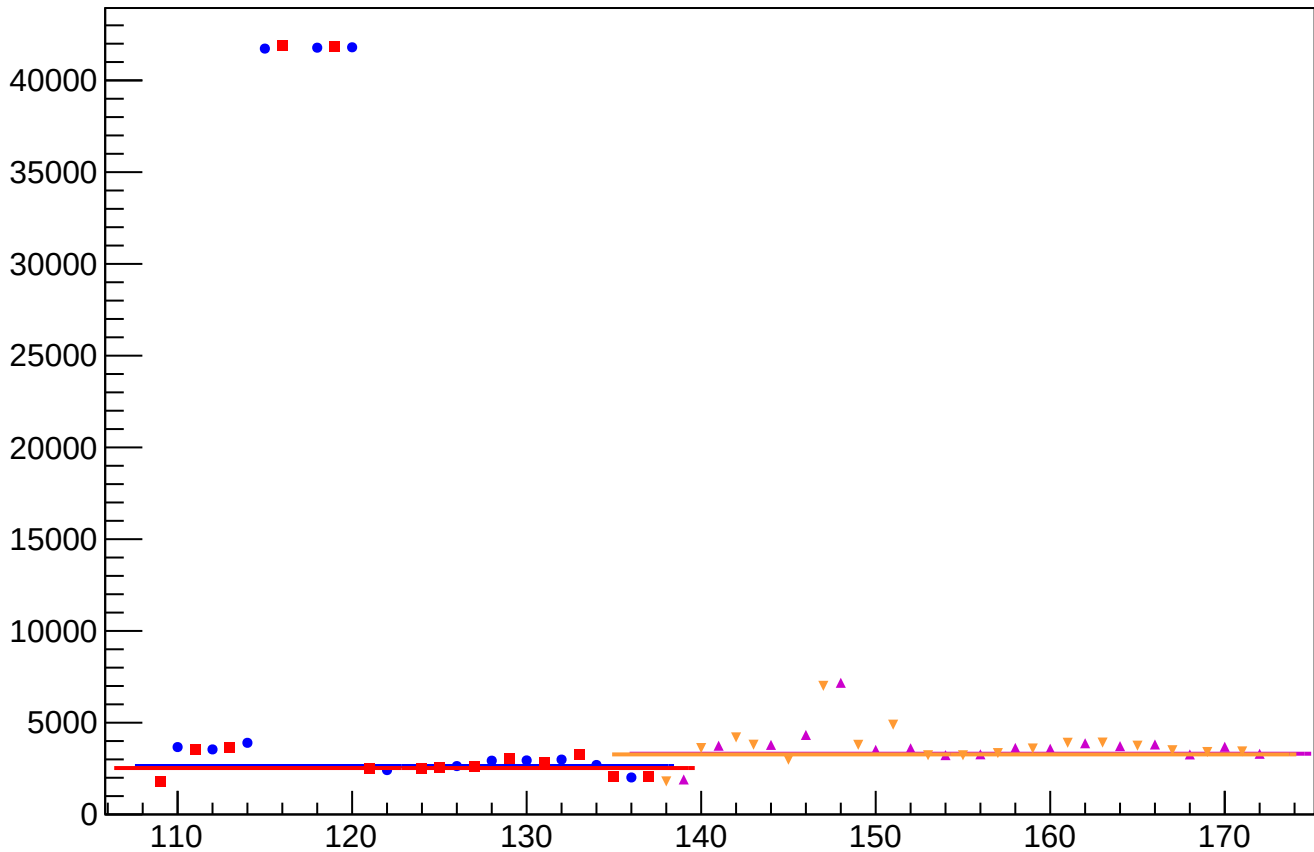
Left In: -0.401 ± 0.919 χ^2/NDF : 9.5/16

+ sign -0.027 ± 0.734 χ^2/NDF : 46.4/30

All: -0.637 ± 0.518 χ^2/NDF : 73.3/61

- sign -1.245 ± 0.732 χ^2/NDF : 25.5/30

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

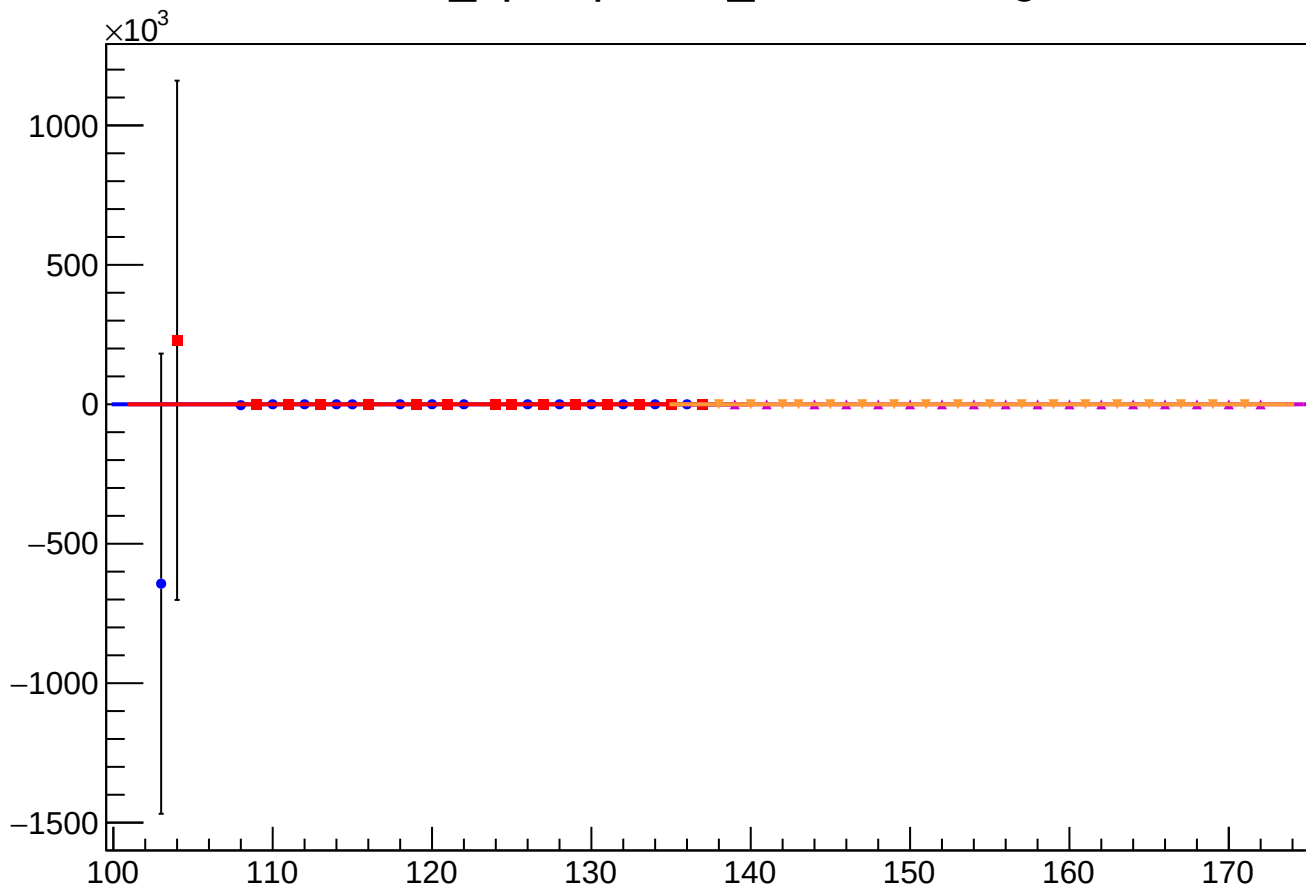
Left In: 3309.435+/-0.650 χ^2/NDF : 1608296.8/16

+ sign 3053.935+/-0.519 χ^2/NDF : 4382770.9/30

All: 3038.989+/-0.366 χ^2/NDF : 8469638.2/63

- sign 3024.099+/-0.518 χ^2/NDF : 4085210.0/30

diff_bpm1p03aX_mean vs Slug



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

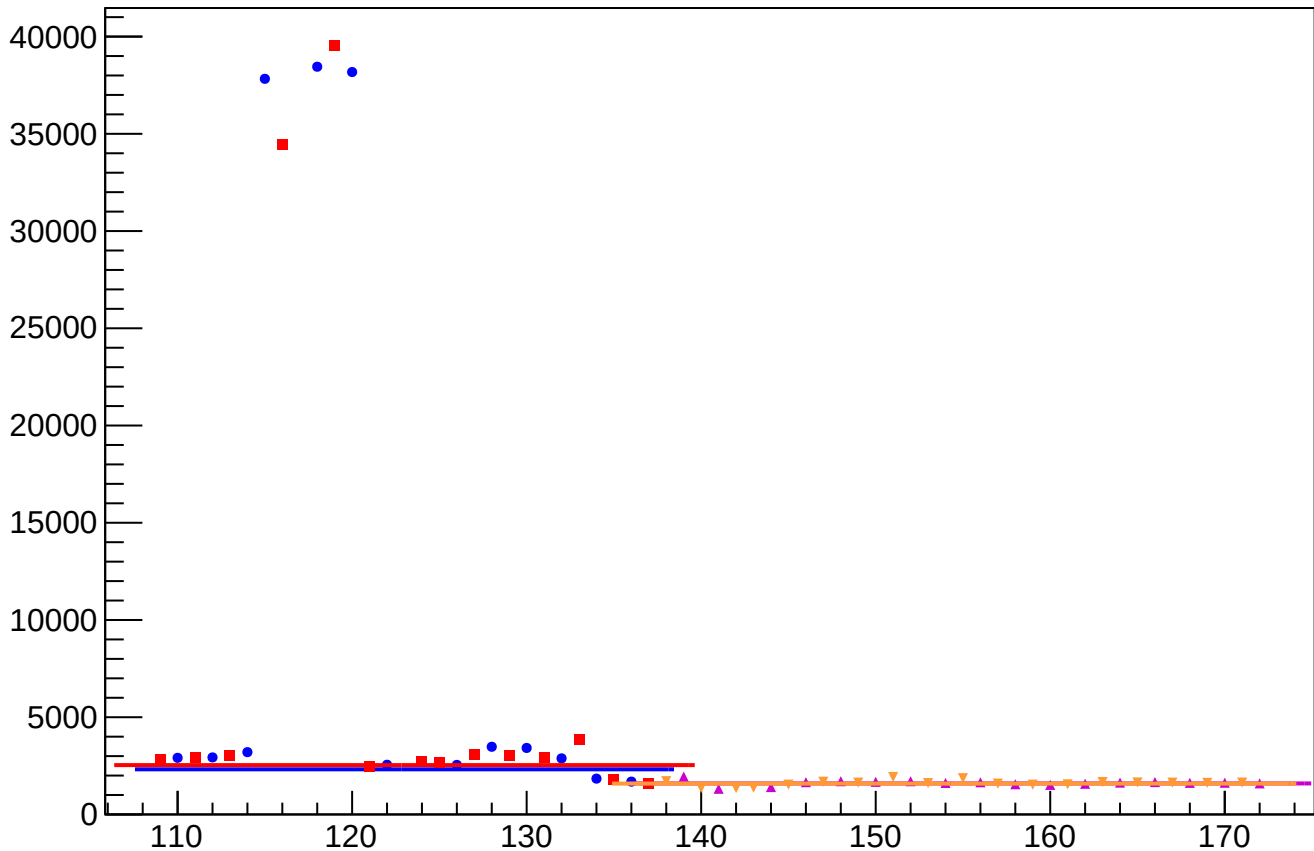
Left In: 0.011 ± 0.428 χ^2/NDF : 20.8/16

+ sign -1.713 ± 0.396 χ^2/NDF : 61.3/32

All: -1.014 ± 0.283 χ^2/NDF : 107.3/64

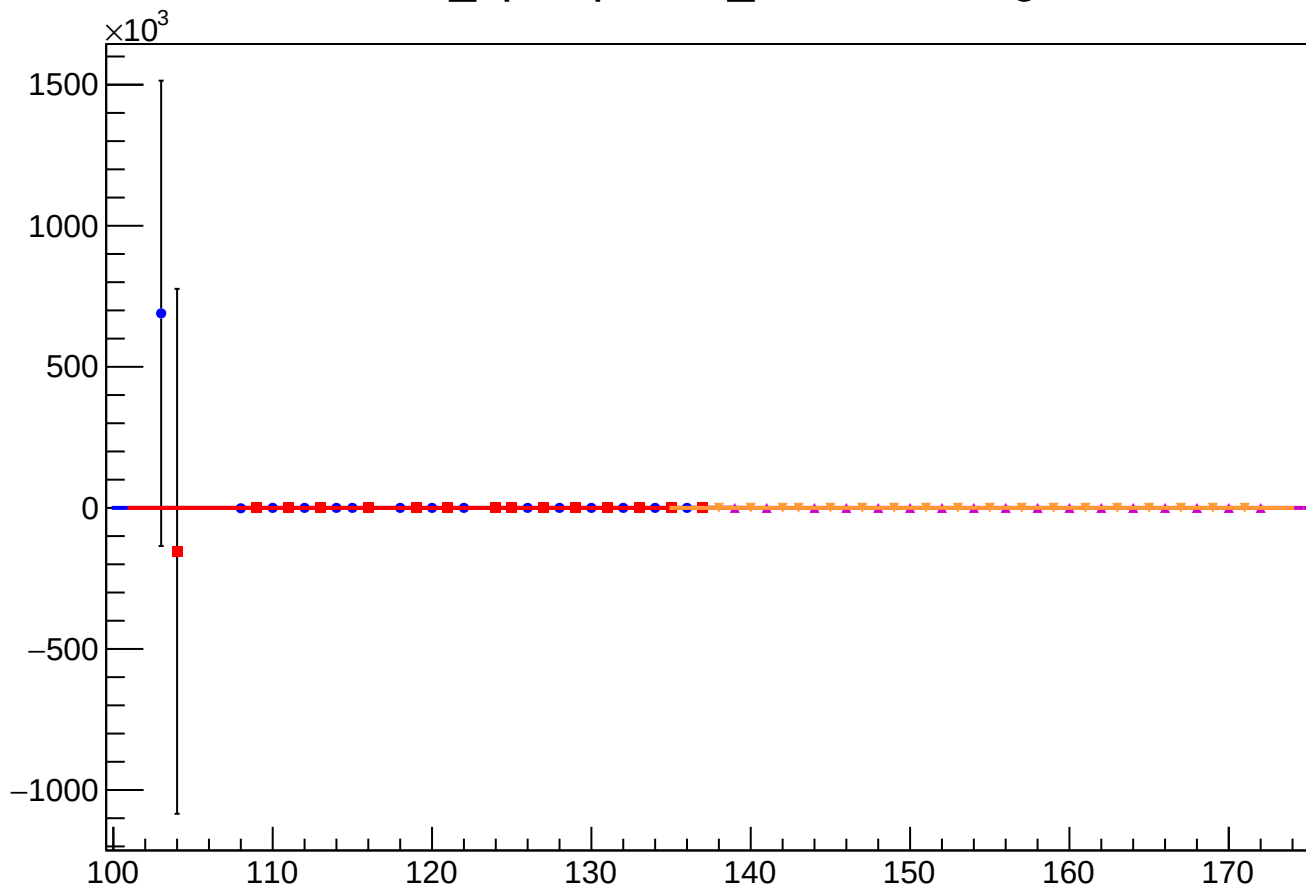
- sign -0.287 ± 0.404 χ^2/NDF : 39.6/31

diff_bpm1p03aX_rms vs Slug



Right In: 2320.446+/-0.796 χ^2/NDF : 2461445.1/12 + sign 1678.144+/-0.280 χ^2/NDF : 3435238.7/30
 Left Out: 1587.325+/-0.299 χ^2/NDF : 230040.5/17 All: 1688.676+/-0.200 χ^2/NDF : 6749507.7/63
 Right Out: 2537.615+/-0.856 χ^2/NDF : 2038153.2/13 - sign 1699.621+/-0.285 χ^2/NDF : 3311384.9/30
 Left In: 1594.858+/-0.303 χ^2/NDF : 196049.8/16

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

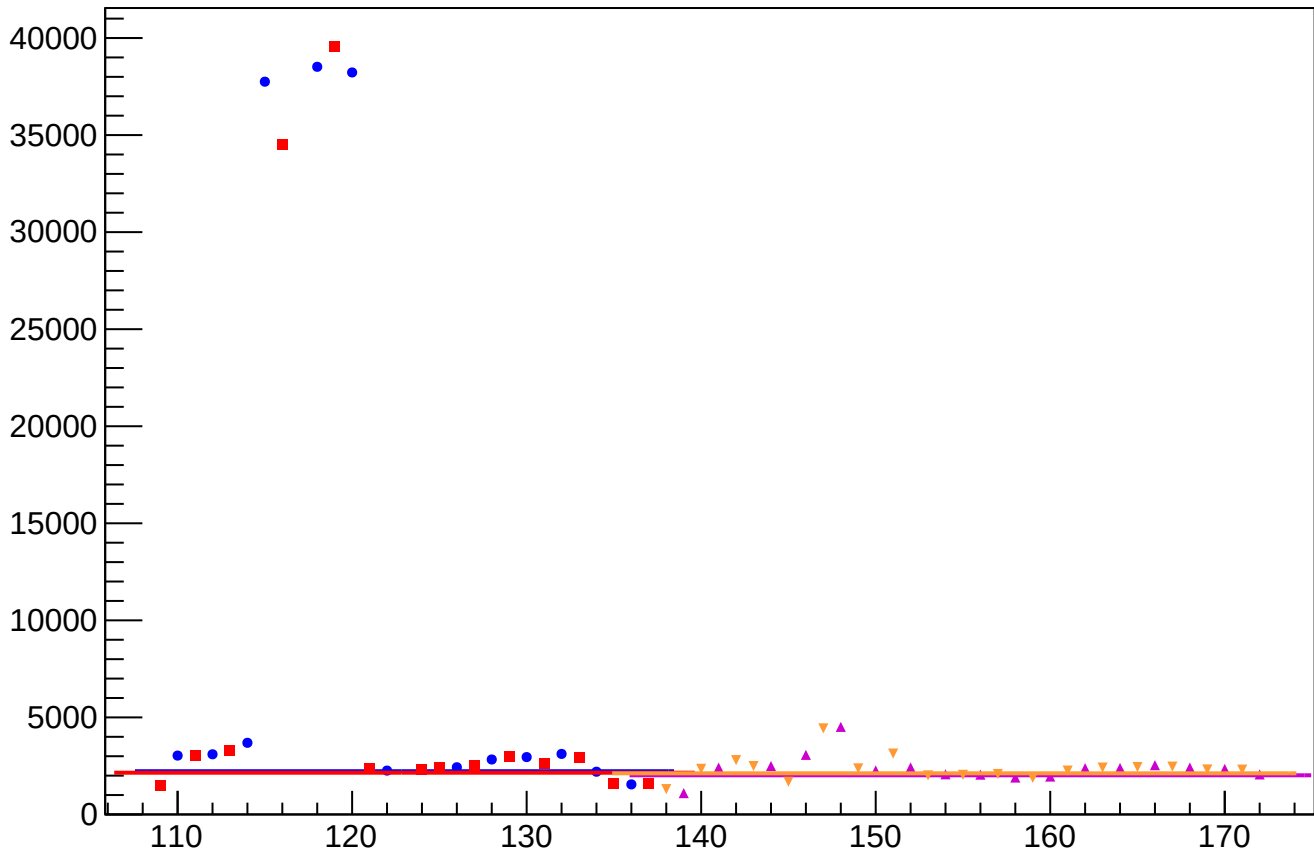
Left In: 0.051 ± 0.568 χ^2/NDF : 13.2/16

+ sign -0.401 ± 0.515 χ^2/NDF : 30.8/32

All: -0.394 ± 0.359 χ^2/NDF : 61.9/64

- sign -0.388 ± 0.500 χ^2/NDF : 31.2/31

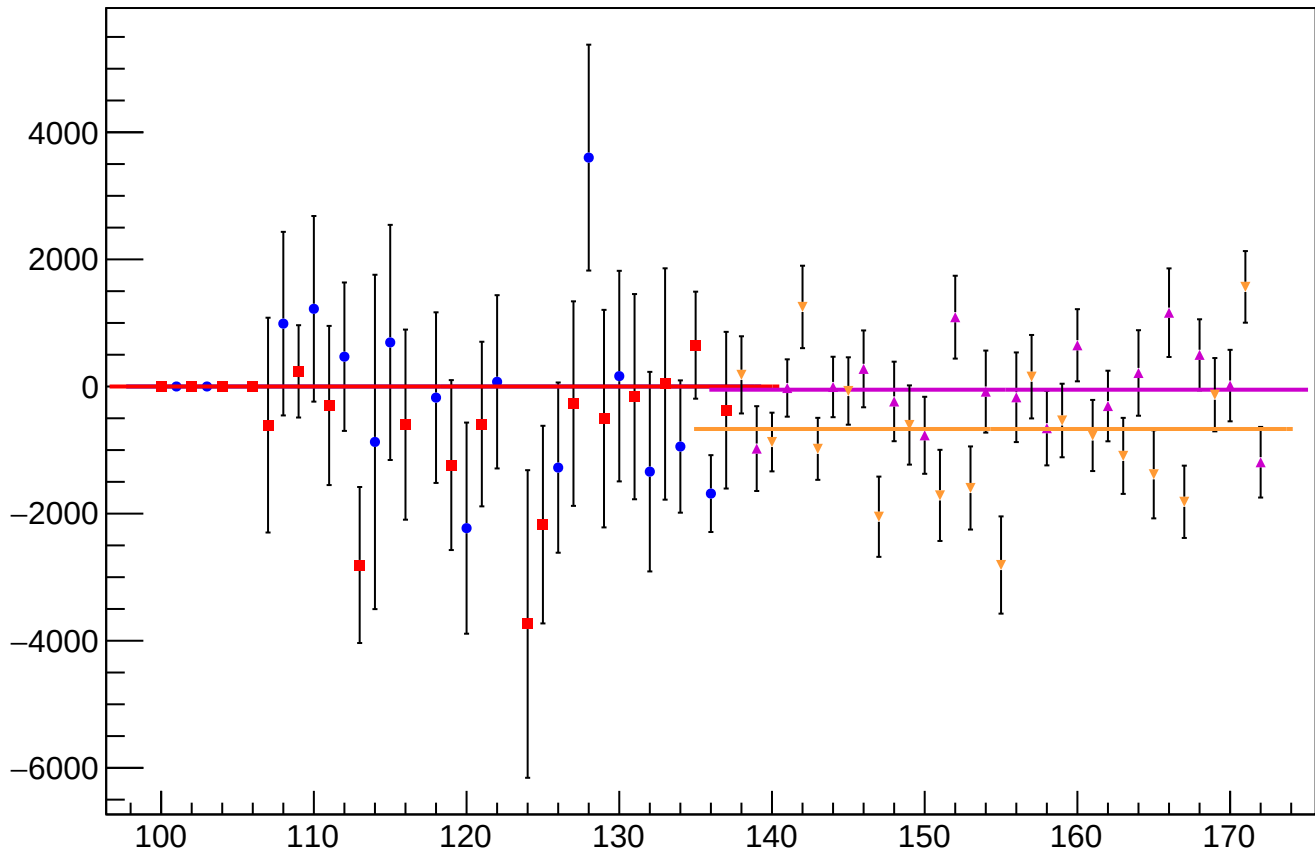
diff_bpm1p03aY_rms vs Slug



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: 2017.304+/-0.402 χ^2/NDF : 2244021.8/16

+ sign 2143.853+/-0.364 χ^2/NDF : 4003409.1/30
 All: 2094.200+/-0.254 χ^2/NDF : 8539781.5/63
 - sign 2047.462+/-0.353 χ^2/NDF : 4500304.4/30

diff_cav4bX_mean vs Slug



Right In: 0.255 ± 0.356 χ^2/NDF : 17.7/15

Left Out: -668.356 ± 139.700 χ^2/NDF : 53.3/17

Right Out: 0.096 ± 0.328 χ^2/NDF : 15.4/18

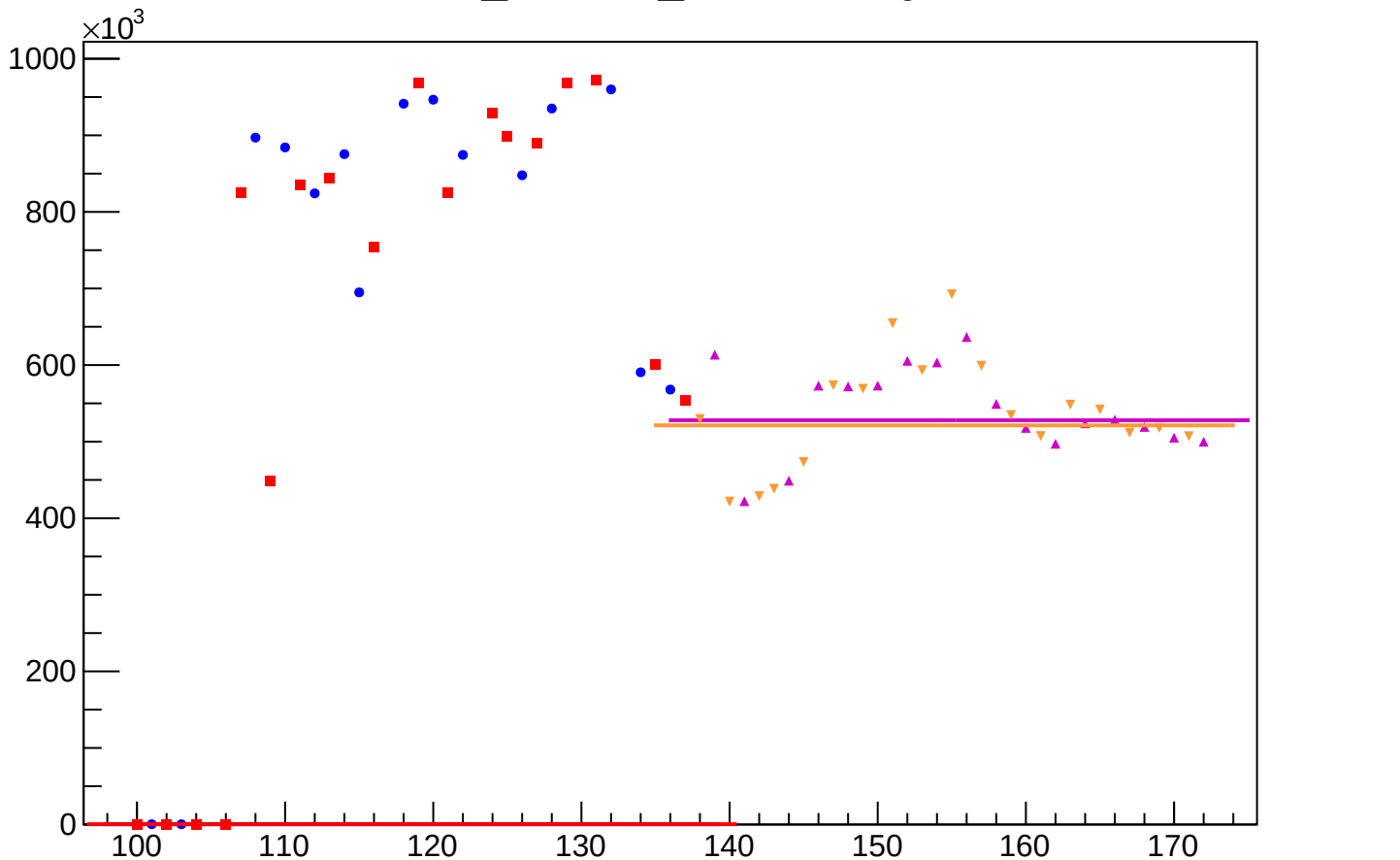
Left In: -50.343 ± 142.150 χ^2/NDF : 18.0/16

+ sign 0.251 ± 0.356 χ^2/NDF : 93.9/33

All: 0.167 ± 0.241 χ^2/NDF : 127.5/69

- sign 0.096 ± 0.328 χ^2/NDF : 33.5/35

diff_cav4bX_rms vs Slug



Right In: 398.881 $\pm$ 0.251 χ^2 /NDF: 8491830.9/14

Left Out: 521316.656 $\pm$ 98.783 χ^2 /NDF:465301.5/17

Right Out: 393.240 $\pm$ 0.232 χ^2 /NDF: 7648578.2/17

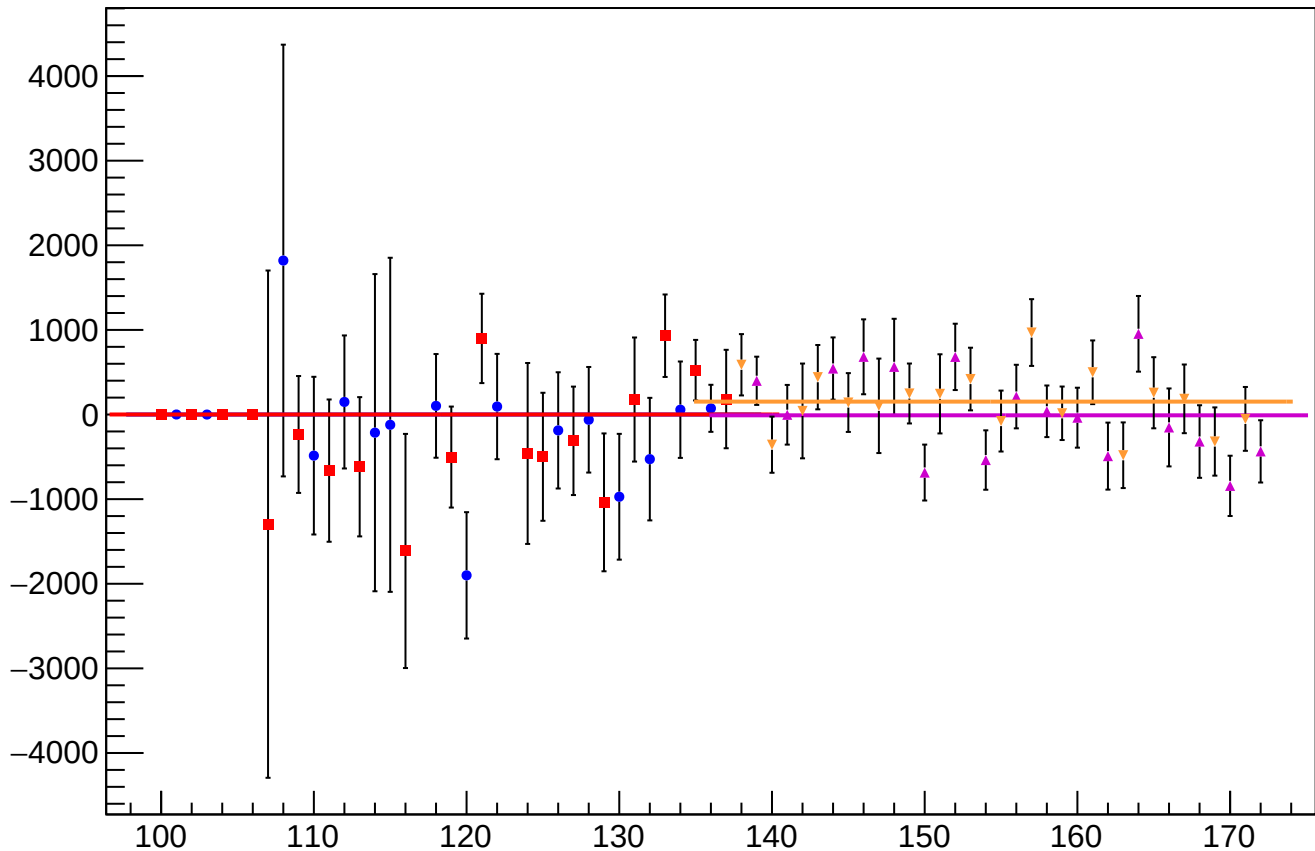
Left In: 527964.446 $\pm$ 100.515 χ^2 /NDF:351538.0/16

+ sign 402.257 $\pm$ 0.251 χ^2 /NDF: 36765469.1/32

All: 398.898 $\pm$ 0.170 χ^2 /NDF: 72314411.5/67

- sign 396.045 $\pm$ 0.232 χ^2 /NDF: 35548612.5/34

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

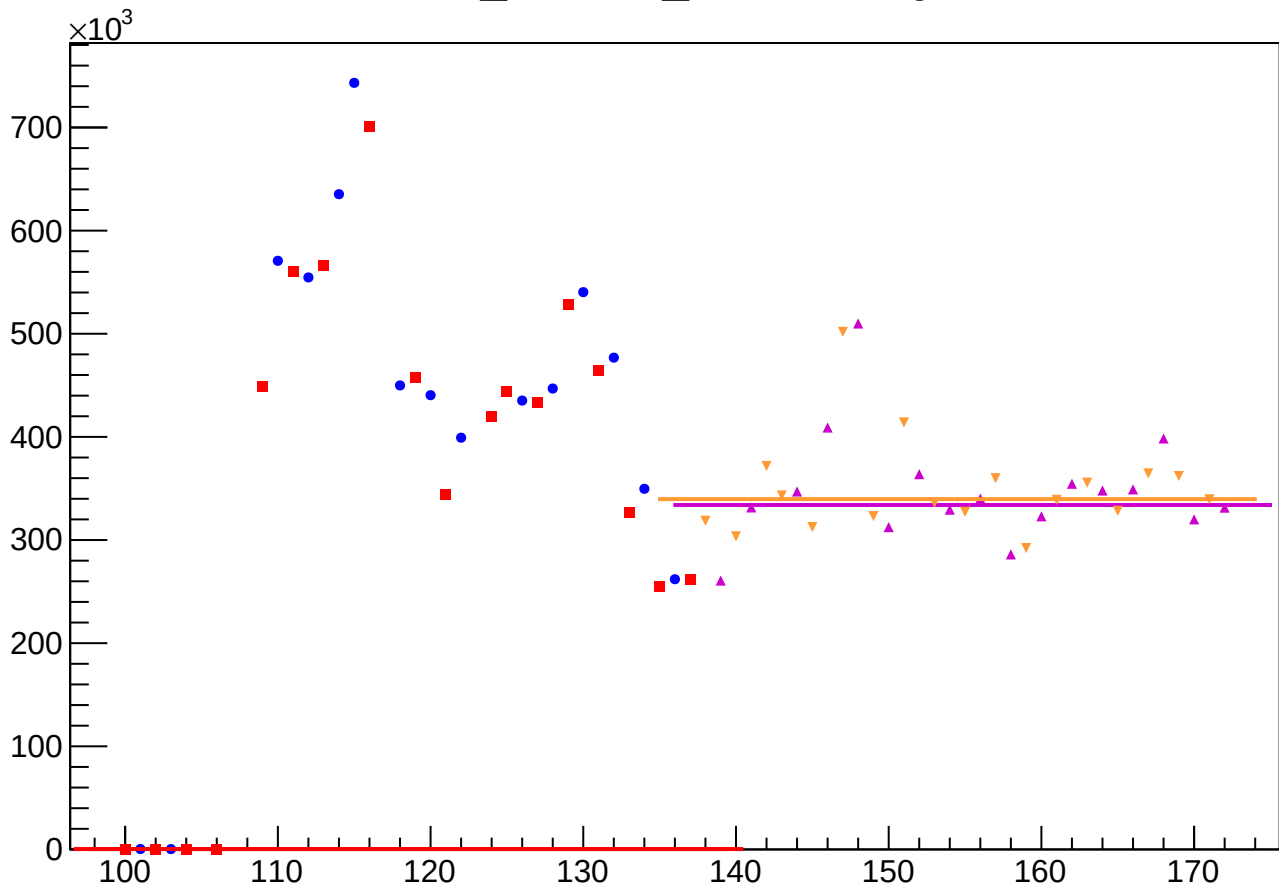
Left In: -9.237 ± 90.409 χ^2/NDF : 31.3/16

+ sign -0.018 ± 0.347 χ^2/NDF : 28.5/33

All: 0.312 ± 0.237 χ^2/NDF : 76.4/69

- sign 0.599 ± 0.324 χ^2/NDF : 46.3/35

diff_cav4bY_rms vs Slug



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

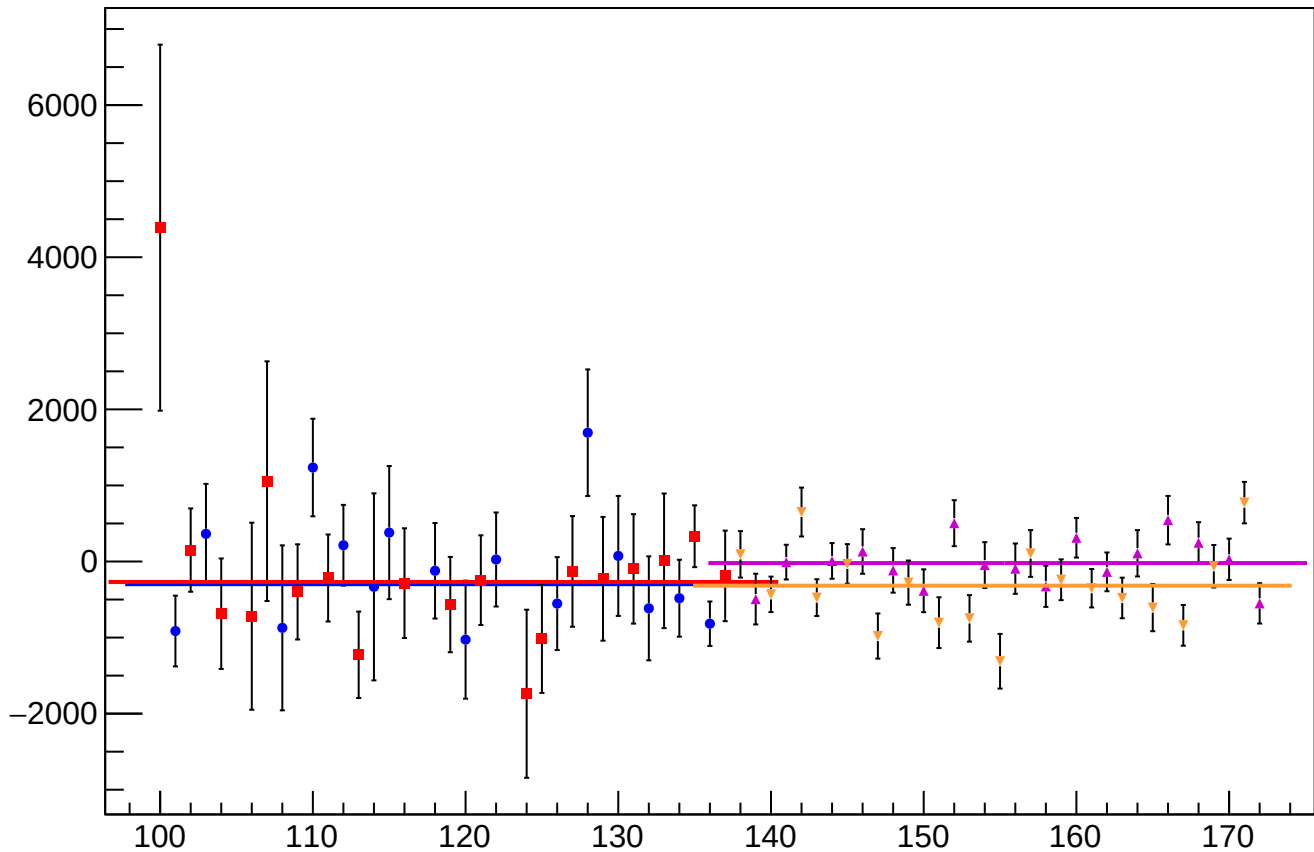
Left In: 333988.896 ± 63.933 χ^2/NDF : 514398.2/16

+ sign 395.219 ± 0.245 χ^2/NDF : 39315040.4/32

All: 393.638 ± 0.167 χ^2/NDF : 78130908.9/67

- sign 392.263 ± 0.229 χ^2/NDF : 38815790.9/34

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

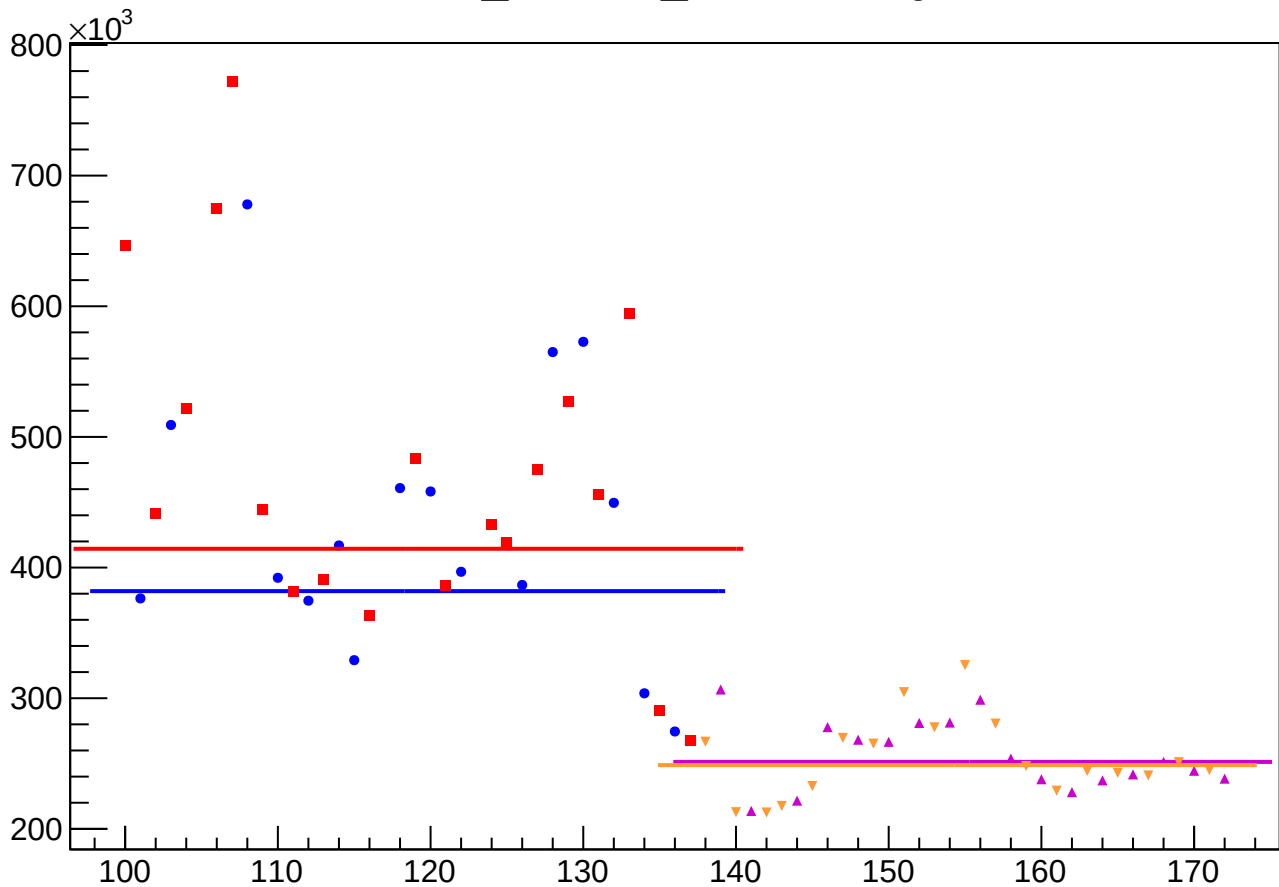
Left In: -20.543 ± 67.547 χ^2/NDF : 18.6/16

+ sign -314.249 ± 60.613 χ^2/NDF : 74.6/33

All: -189.805 ± 43.350 χ^2/NDF : 117.8/69

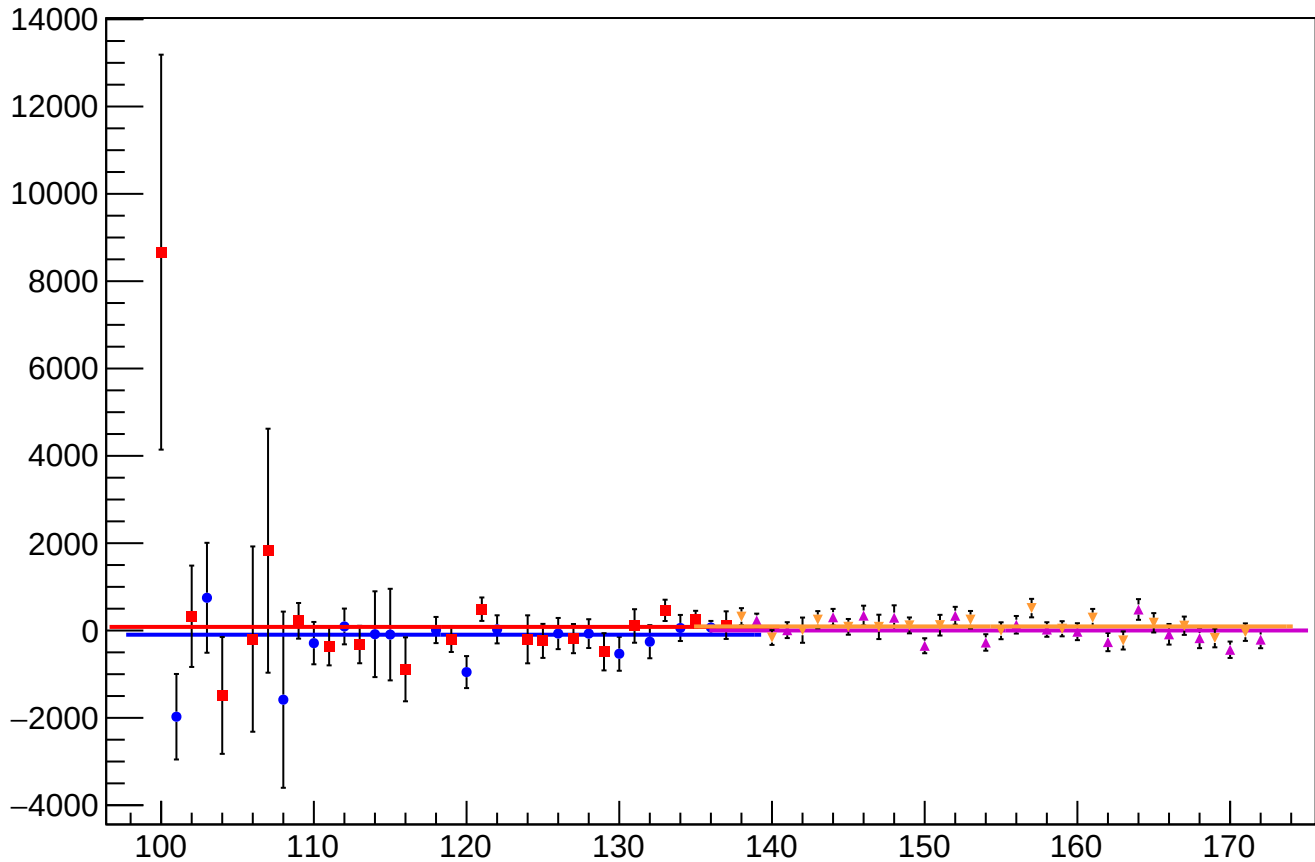
- sign -59.508 ± 62.022 χ^2/NDF : 34.6/35

diff_cav4cX_rms vs Slug



Right In: 381960.471 $\pm$ 104.223 χ^2 /NDF: 836441.6/15
 Left Out: 248809.860 $\pm$ 47.022 χ^2 /NDF:338977.0/17
 Right Out: 414378.043 $\pm$ 110.748 χ^2 /NDF: 760082.5/18
 Left In: 251250.732 $\pm$ 47.763 χ^2 /NDF:285159.8/16

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

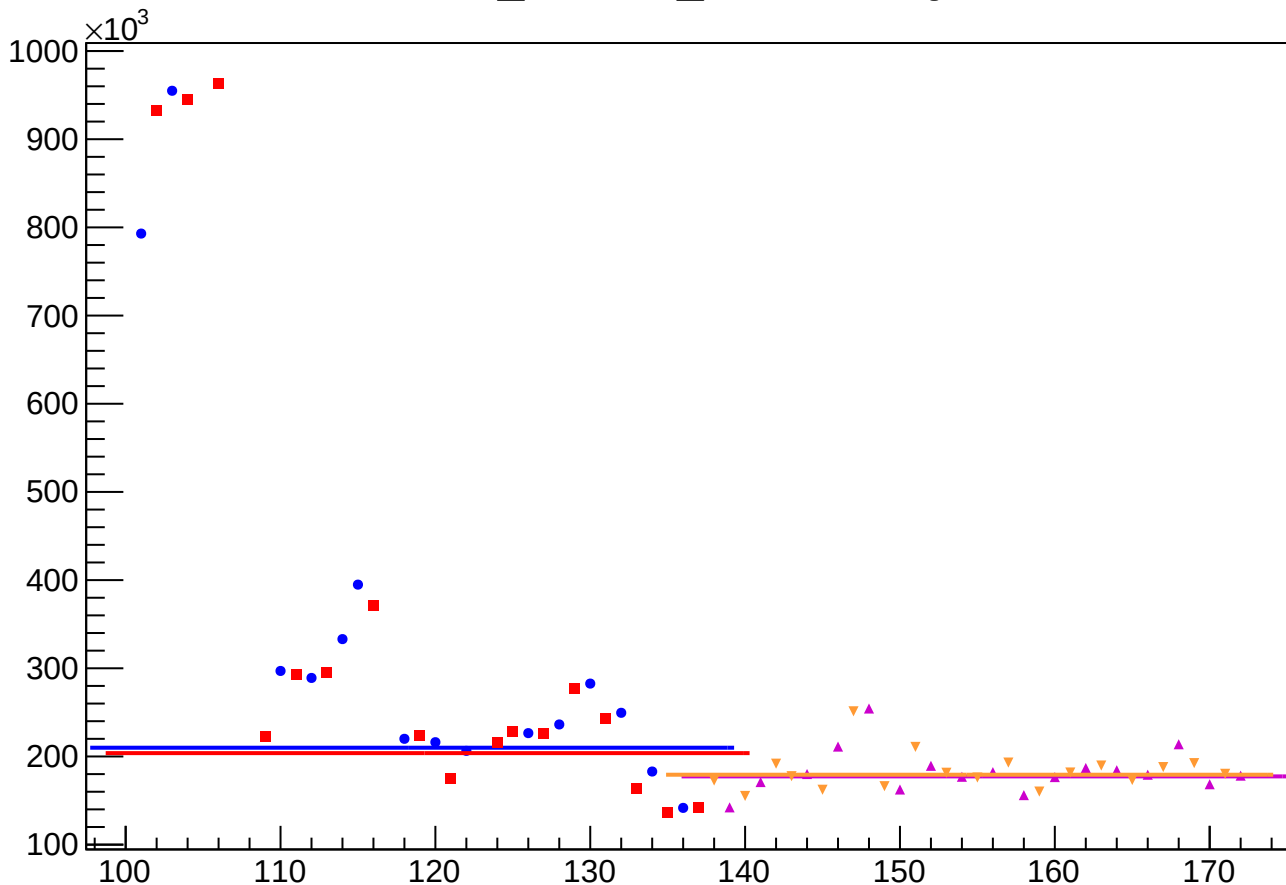
Left In: 1.103 ± 47.901 χ^2/NDF : 30.6/16

+ sign 50.552 ± 42.126 χ^2/NDF : 31.9/33

All: 35.225 ± 29.742 χ^2/NDF : 82.5/69

- sign 19.991 ± 41.997 χ^2/NDF : 50.4/35

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: 177397.767+/-33.871

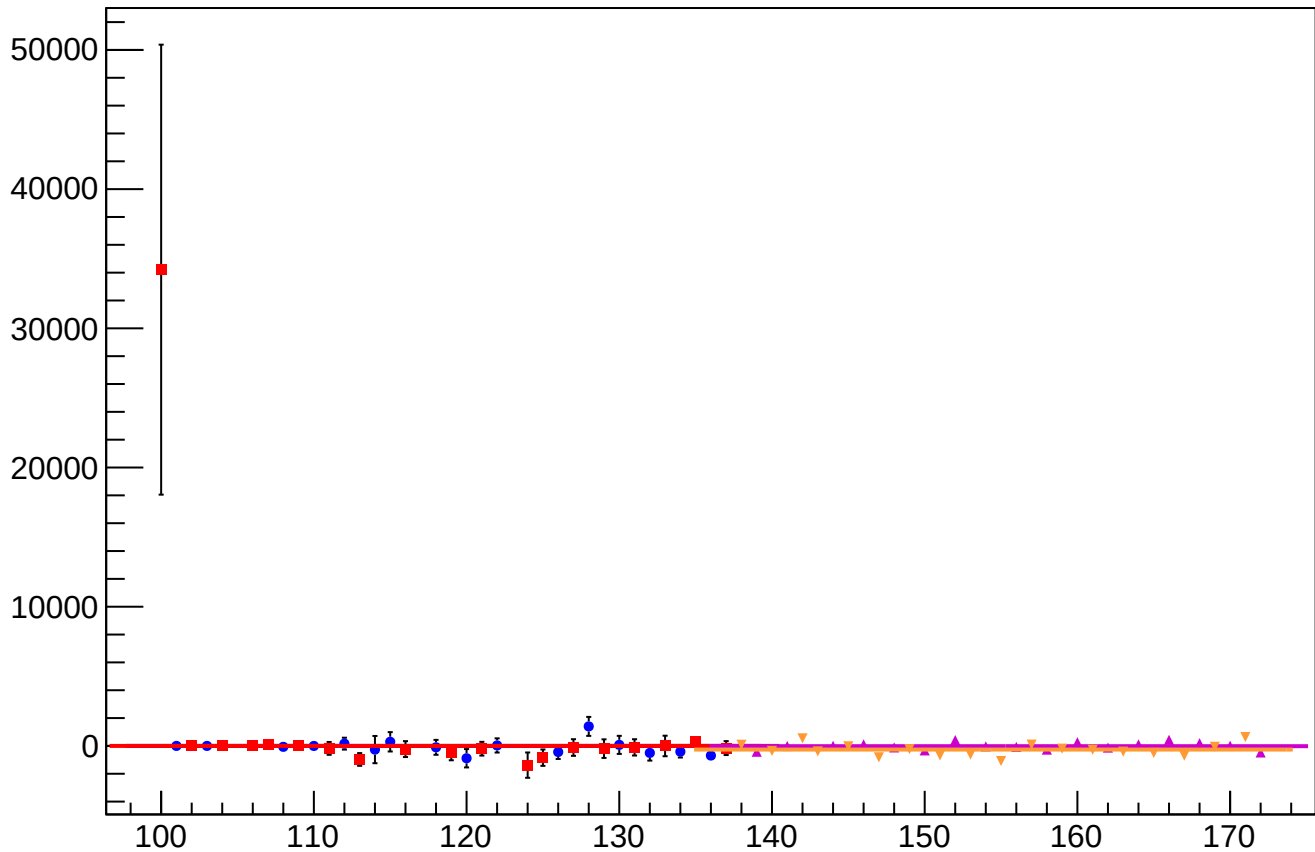
χ^2/NDF : 413784.6/16

+ sign 186259.168+/-29.799 χ^2/NDF : 2439565.5/32

All: 184866.001+/-21.041 χ^2/NDF : 5068142.6/33

- sign 183480.854+/-29.713 χ^2/NDF : 2624218.1/33

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

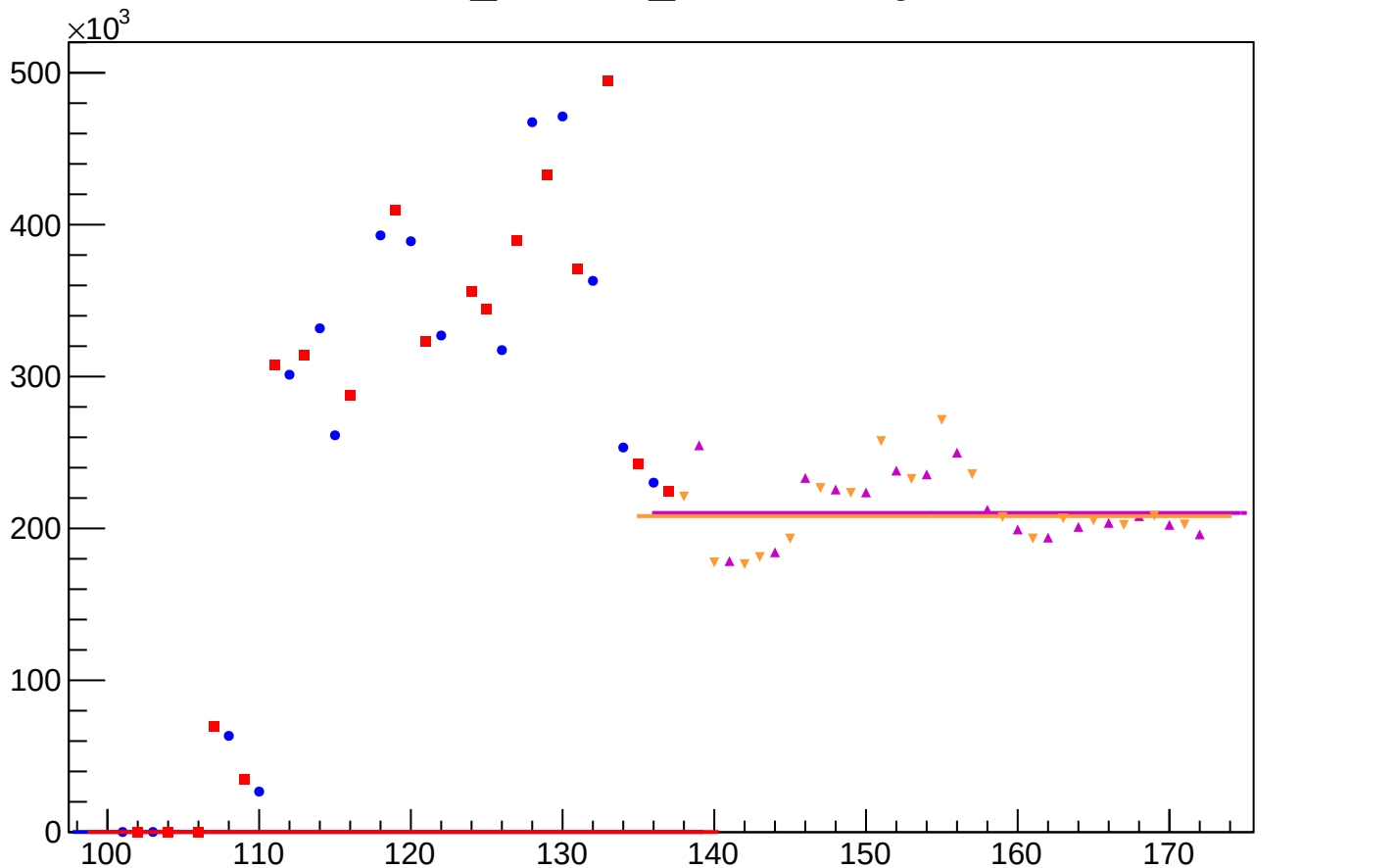
Left In: -20.070 ± 56.515 χ^2/NDF : 18.7/16

+ sign -0.038 ± 0.172 χ^2/NDF : 93.6/33

All: -0.208 ± 0.117 χ^2/NDF : 130.7/69

- sign -0.355 ± 0.160 χ^2/NDF : 35.3/35

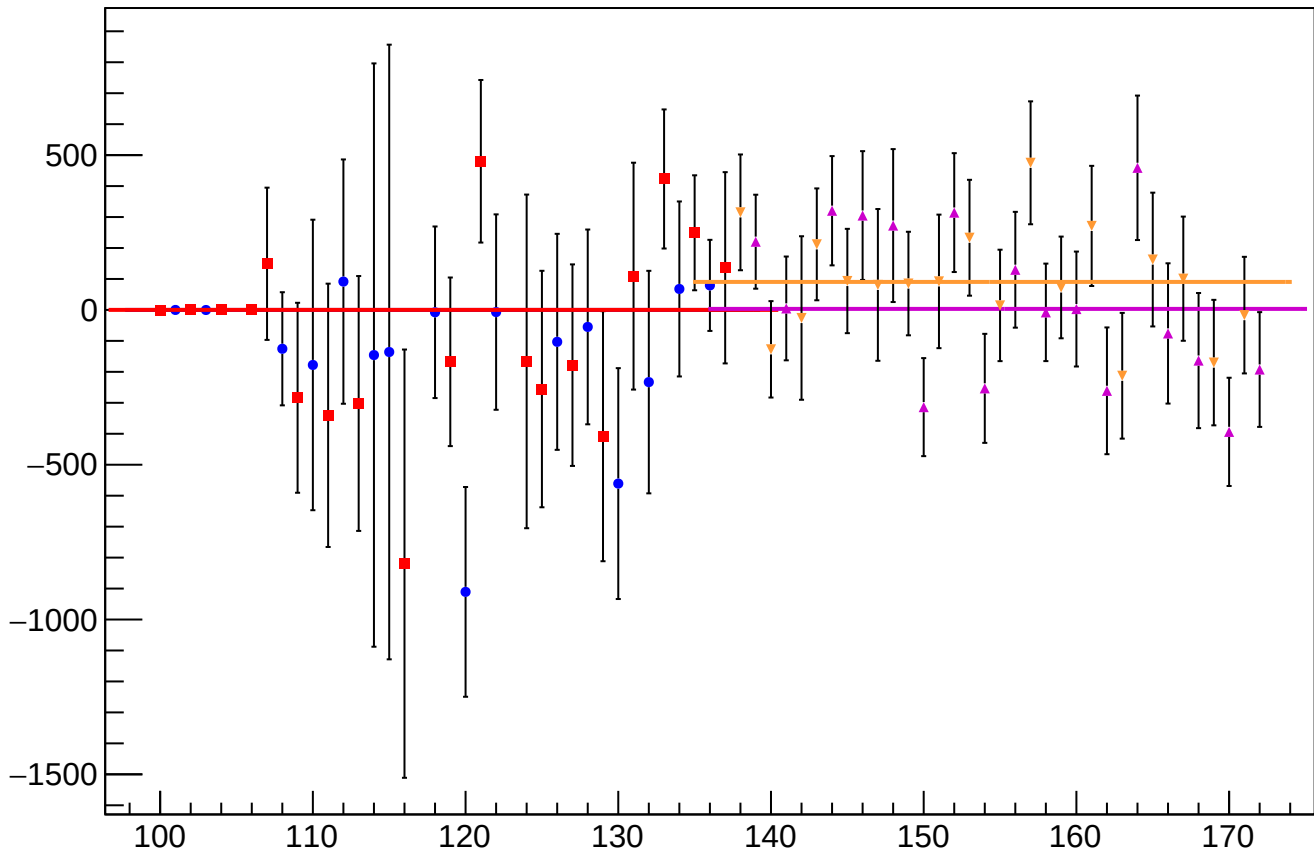
diff_cav4dX_rms vs Slug



Right In: 149.092 $\pm$ 0.122 χ^2 /NDF: 11301940.9/15
 Left Out: 208121.055 $\pm$ 39.342 χ^2 /NDF:350646.1/17
 Right Out: 149.379 $\pm$ 0.113 χ^2 /NDF: 11288711.4/17
 Left In: 210193.290 $\pm$ 39.962 χ^2 /NDF:290315.0/16

+ sign 151.086 $\pm$ 0.122 χ^2 /NDF: 39596393.0/33
 All: 151.075 $\pm$ 0.083 χ^2 /NDF: 78801552.5/68
 - sign 151.065 $\pm$ 0.113 χ^2 /NDF: 39205159.4/34

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

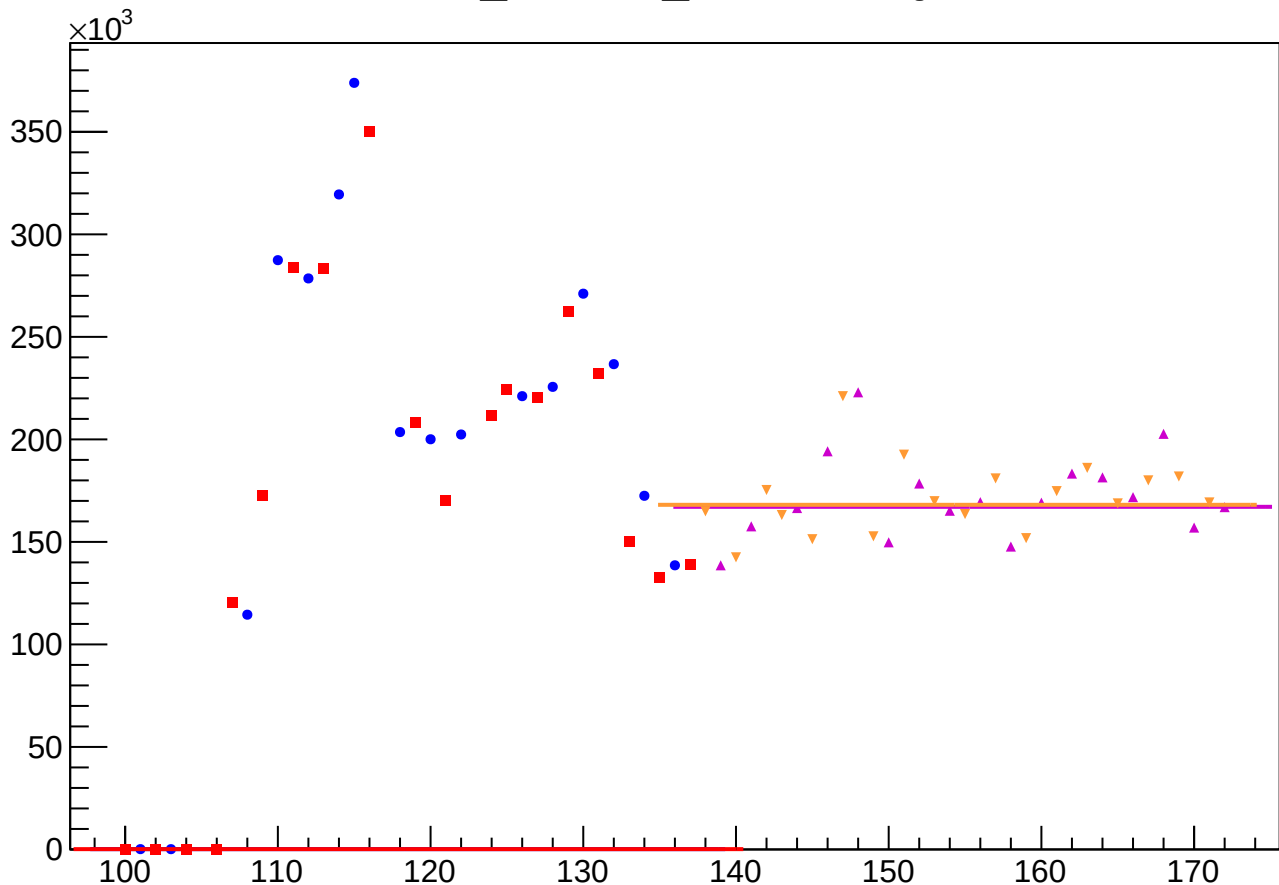
Left In: 3.319 ± 45.065 χ^2/NDF : 30.3/16

+ sign -0.067 ± 0.177 χ^2/NDF : 29.0/33

All: 0.036 ± 0.121 χ^2/NDF : 75.2/69

- sign 0.126 ± 0.166 χ^2/NDF : 45.5/35

diff_cav4dY_rms vs Slug



Right In: 153.460 $\pm$ 0.125 χ^2 /NDF: 11904914.7/15

Left Out: 168091.259 $\pm$ 31.766 χ^2 /NDF:277578.2/17

Right Out: 156.158 $\pm$ 0.118 χ^2 /NDF: 11330885.6/18

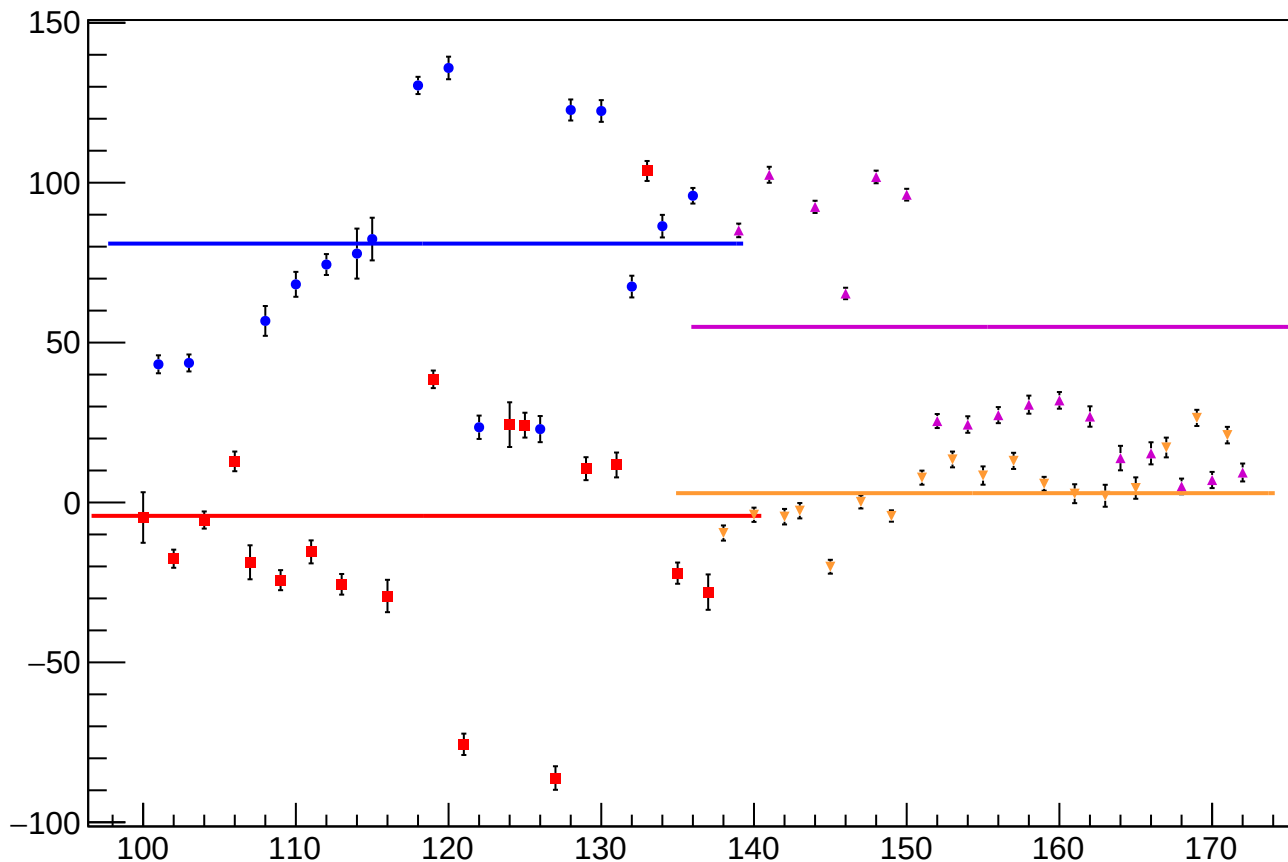
Left In: 167111.166 $\pm$ 31.866 χ^2 /NDF:356223.0/16

+ sign 156.074 $\pm$ 0.125 χ^2 /NDF: 40131392.8/33

All: 157.329 $\pm$ 0.086 χ^2 /NDF: 79268955.8/69

- sign 158.436 $\pm$ 0.118 χ^2 /NDF: 39137374.2/35

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

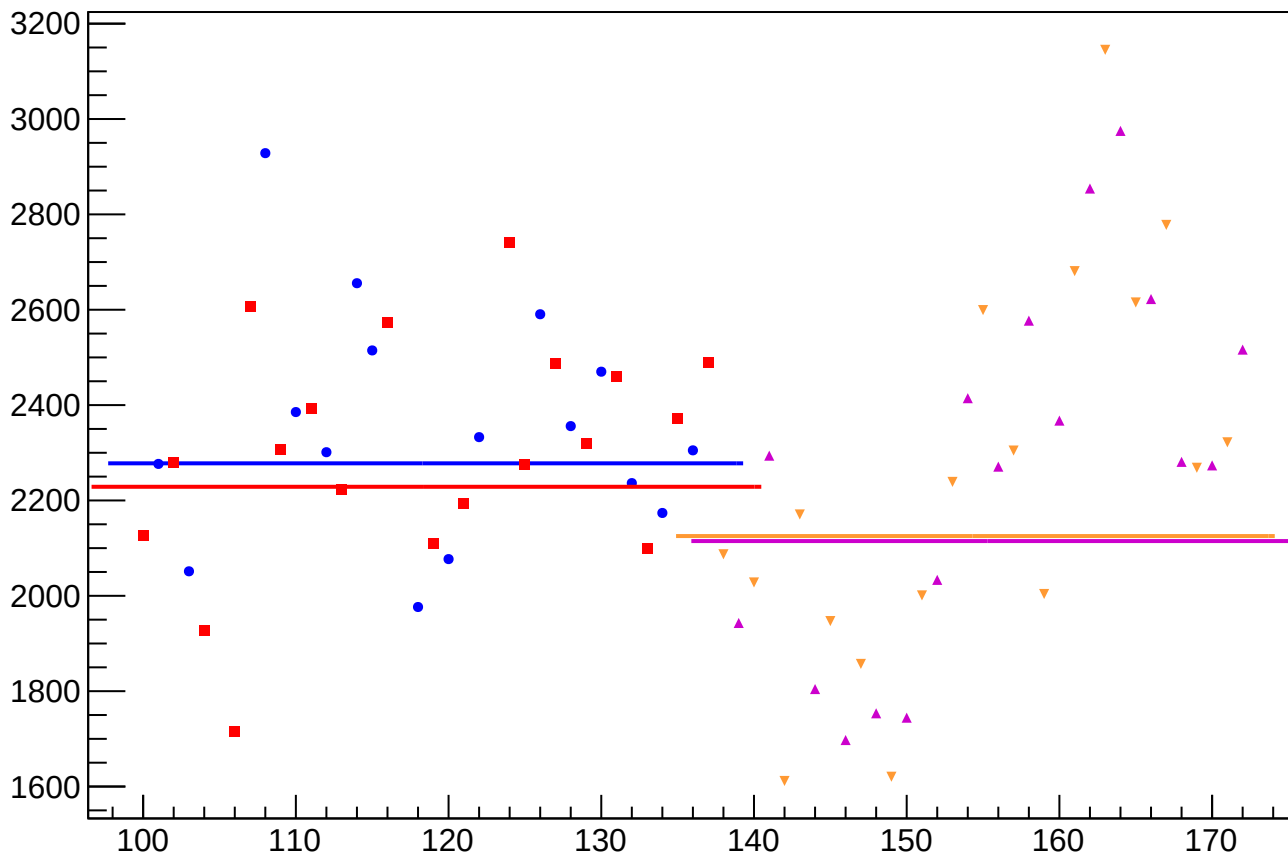
Left In: 54.912+/-0.577 χ^2/NDF : 3996.7/16

+ sign 27.216+/-0.475 χ^2/NDF : 7982.6/33

All: 31.309+/-0.335 χ^2/NDF : 18319.5/69

- sign 35.346+/-0.472 χ^2/NDF : 10189.6/35

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

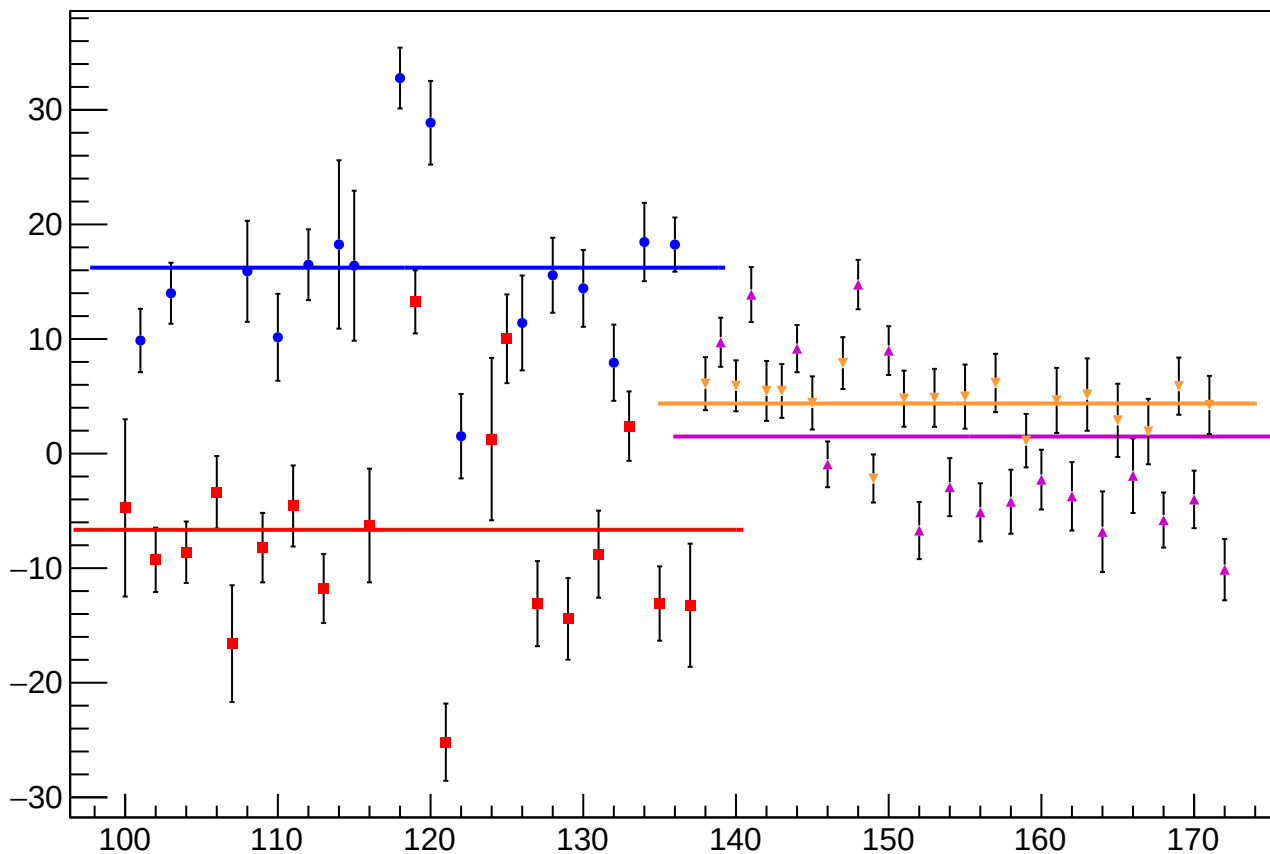
Left In: 2114.831+/-0.408 χ^2/NDF : 751498.8/16

+ sign 2172.835+/-0.336 χ^2/NDF : 942046.7/33

All: 2162.612+/-0.237 χ^2/NDF : 1872305.9/69

- sign 2152.529+/-0.334 χ^2/NDF : 928420.3/35

diff_bpm0i01Y_mean vs Slug



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

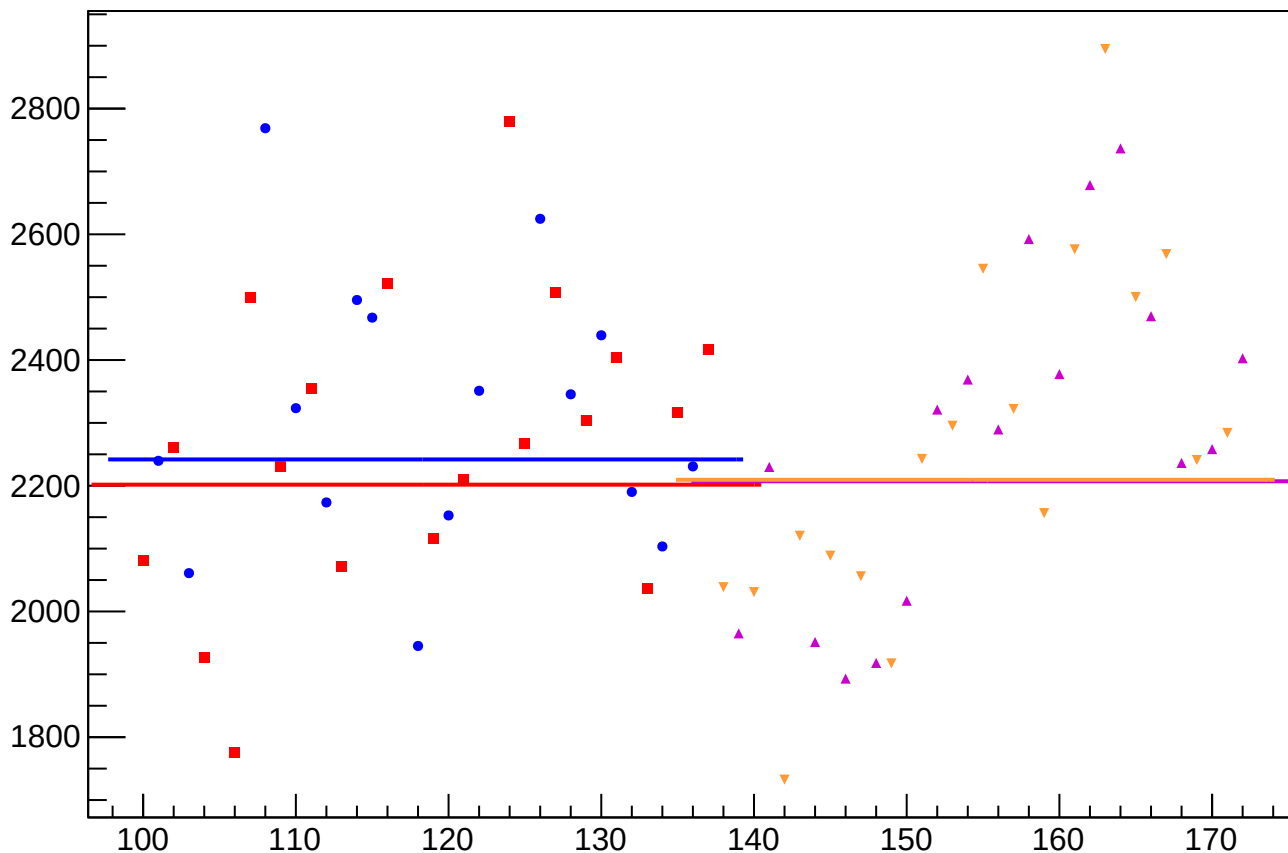
Left In: 1.488 ± 0.596 χ^2/NDF : 176.5/16

+ sign 8.302 ± 0.482 χ^2/NDF : 235.9/33

All: 3.439 ± 0.340 χ^2/NDF : 814.9/69

- sign -1.372 ± 0.480 χ^2/NDF : 376.7/35

diff_bpm0i01Y_rms vs Slug



Right In: 2241.853 $\pm$ 0.592 χ^2 /NDF: 102260.7/15

Left Out: 2209.517 $\pm$ 0.417 χ^2 /NDF: 360556.1/17

Right Out: 2201.739 $\pm$ 0.572 χ^2 /NDF: 129882.5/18

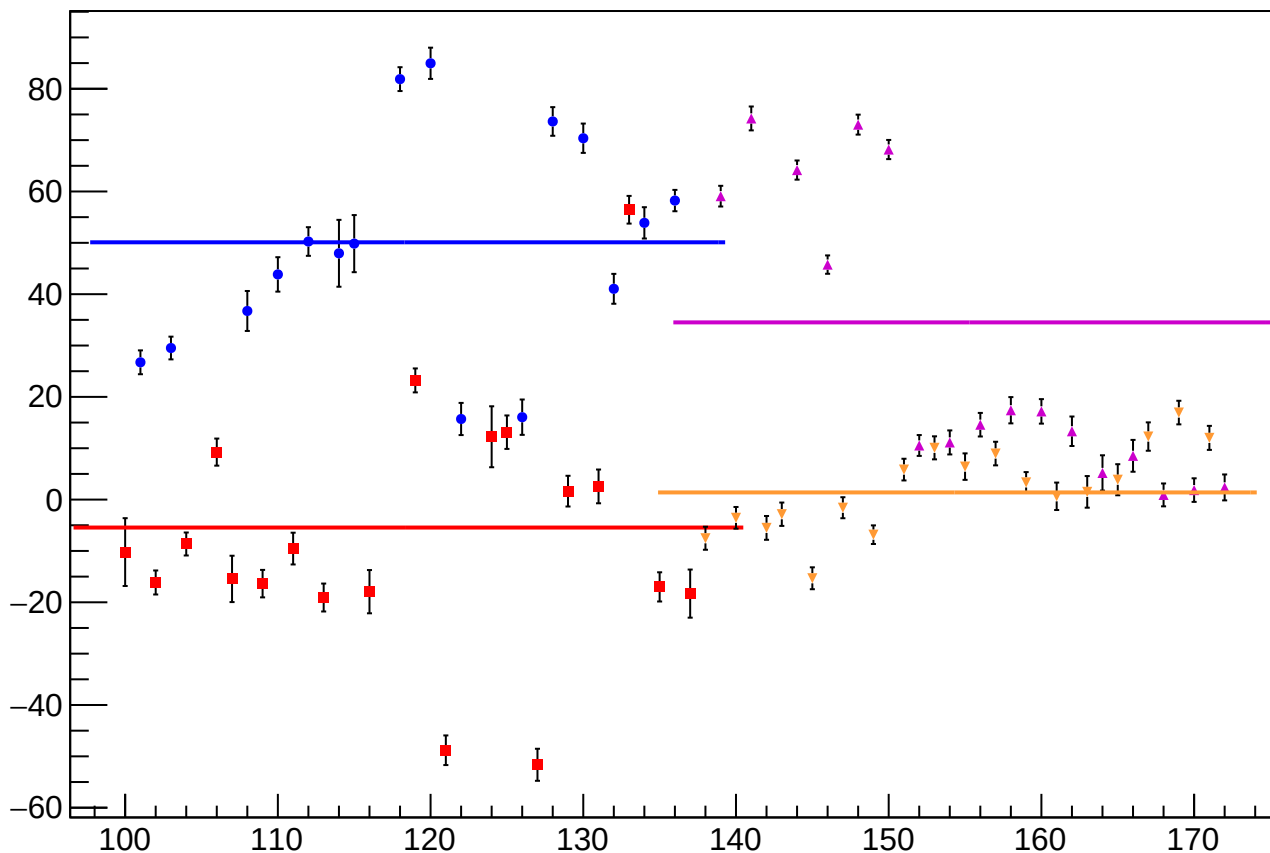
Left In: 2207.140 $\pm$ 0.421 χ^2 /NDF: 338651.7/16

+ sign 2220.236 $\pm$ 0.341 χ^2 /NDF: 464809.3/33

All: 2212.699 $\pm$ 0.240 χ^2 /NDF: 934373.2/69

- sign 2205.243 $\pm$ 0.339 χ^2 /NDF: 468592.0/35

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

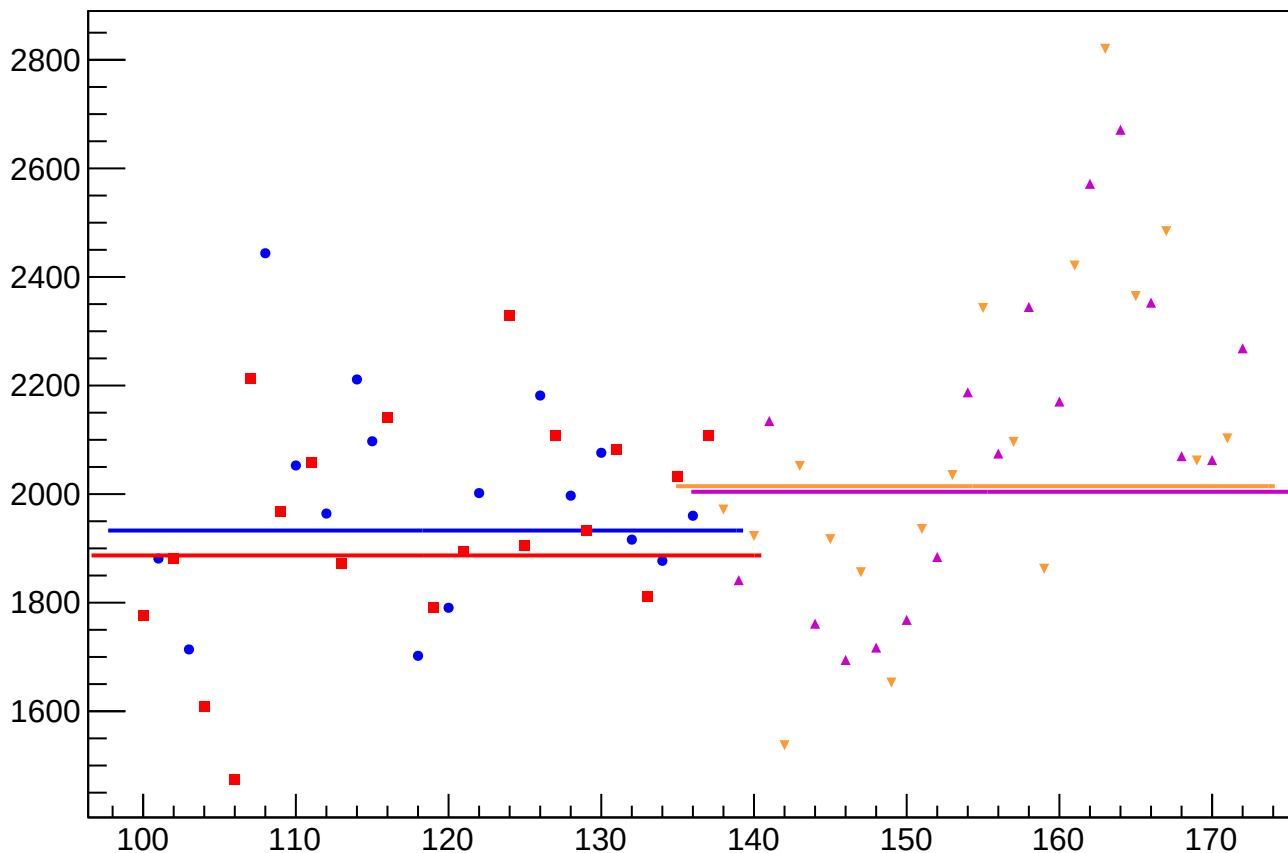
Left In: 34.508 ± 0.544 χ^2/NDF : 2652.0/16

+ sign 18.849 ± 0.432 χ^2/NDF : 4043.4/33

All: 19.090 ± 0.304 χ^2/NDF : 10060.7/69

- sign 19.326 ± 0.428 χ^2/NDF : 6016.6/35

diff_bpm0i01aX_rms vs Slug



Right In: 1932.904 $\pm$ 0.511 χ^2 /NDF: 105967.6/15

Left Out: 2014.636 $\pm$ 0.382 χ^2 /NDF: 506380.3/17

Right Out: 1887.006 $\pm$ 0.491 χ^2 /NDF: 149746.6/18

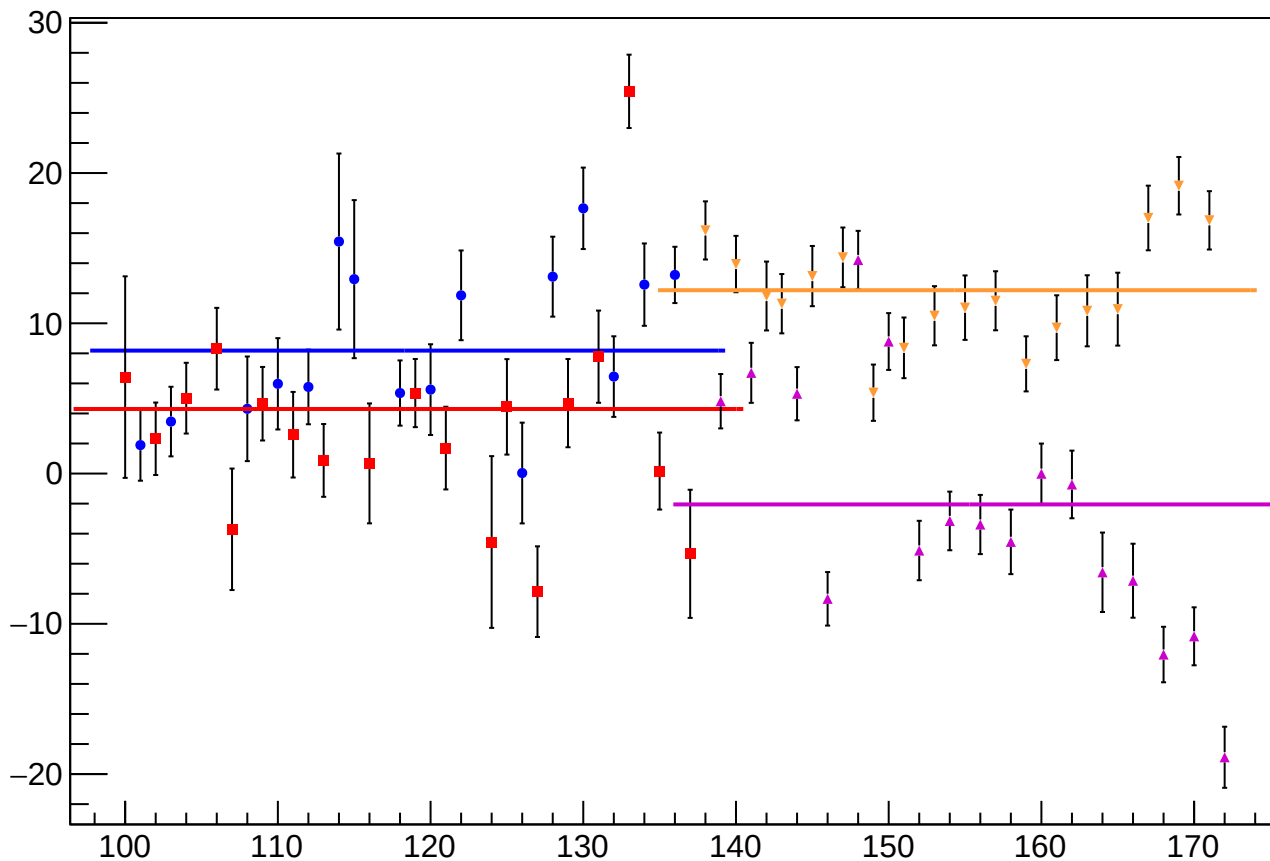
Left In: 2004.280 $\pm$ 0.384 χ^2 /NDF: 458726.3/16

+ sign 1985.348 $\pm$ 0.306 χ^2 /NDF: 628787.3/33

All: 1972.403 $\pm$ 0.215 χ^2 /NDF: 1276191.8/69

- sign 1959.713 $\pm$ 0.303 χ^2 /NDF: 643852.8/35

diff_bpm0i01aY_mean vs Slug



Right In: 8.183 ± 0.684 χ^2/NDF : 52.0/15

Left Out: 12.201 ± 0.478 χ^2/NDF : 57.8/17

Right Out: 4.297 ± 0.665 χ^2/NDF : 114.0/18

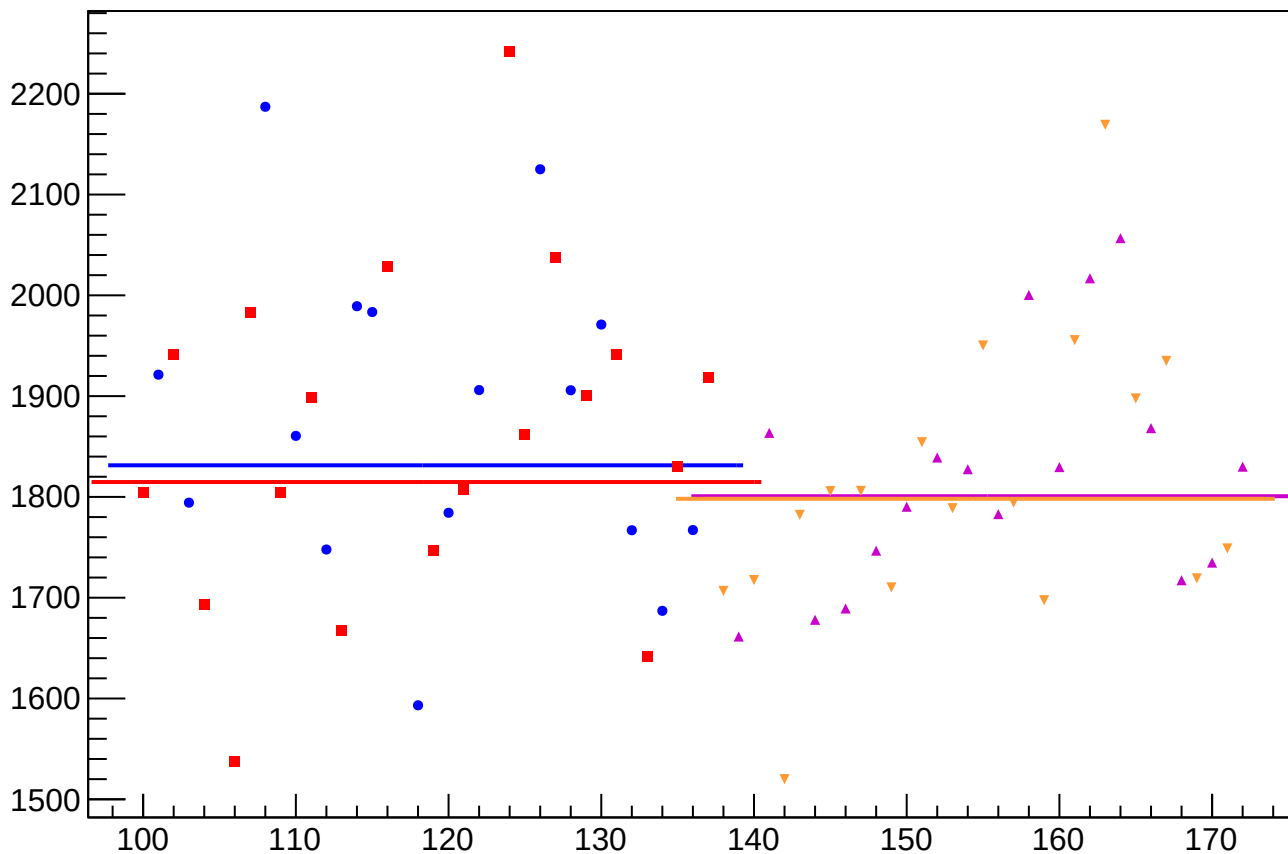
Left In: -2.054 ± 0.483 χ^2/NDF : 298.3/16

+ sign 10.883 ± 0.392 χ^2/NDF : 133.0/33

All: 5.500 ± 0.277 χ^2/NDF : 982.1/69

- sign 0.137 ± 0.391 χ^2/NDF : 471.9/35

diff_bpm0i01aY_rms vs Slug



Right In: 1831.359 $\pm$ 0.483 χ^2 /NDF: 86919.2/15

Left Out: 1798.139 $\pm$ 0.338 χ^2 /NDF:135923.5/17

Right Out: 1814.774 $\pm$ 0.471 χ^2 /NDF: 90738.7/18

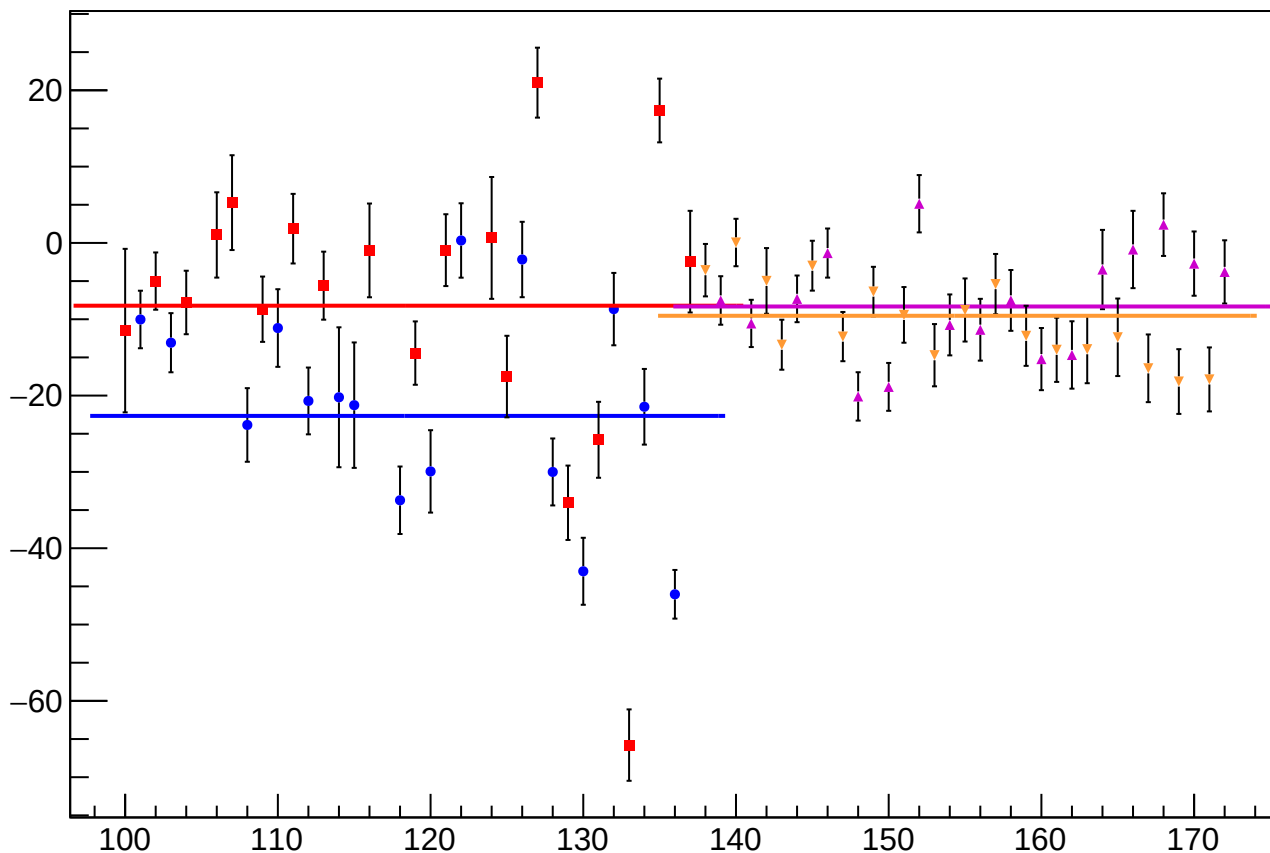
Left In: 1800.693 $\pm$ 0.342 χ^2 /NDF:97356.1/16

+ sign 1809.042 $\pm$ 0.277 χ^2 /NDF: 226016.2/33

All: 1807.293 $\pm$ 0.196 χ^2 /NDF: 414777.1/69

- sign 1805.551 $\pm$ 0.276 χ^2 /NDF: 188681.3/35

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

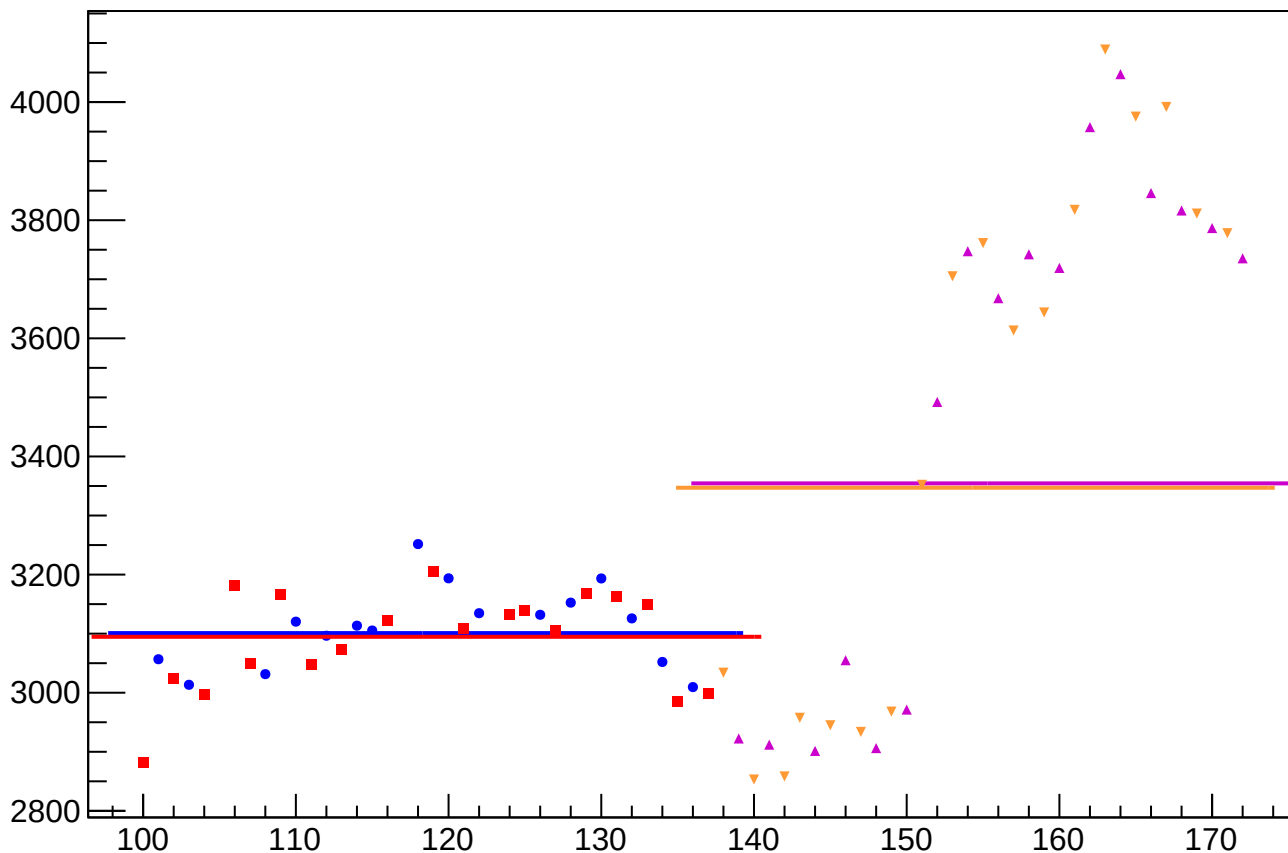
Left In: -8.327 ± 0.903 χ^2/NDF : 62.1/16

+ sign -14.474 ± 0.706 χ^2/NDF : 274.9/33

All: -11.375 ± 0.499 χ^2/NDF : 670.4/69

- sign -8.287 ± 0.705 χ^2/NDF : 357.0/35

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

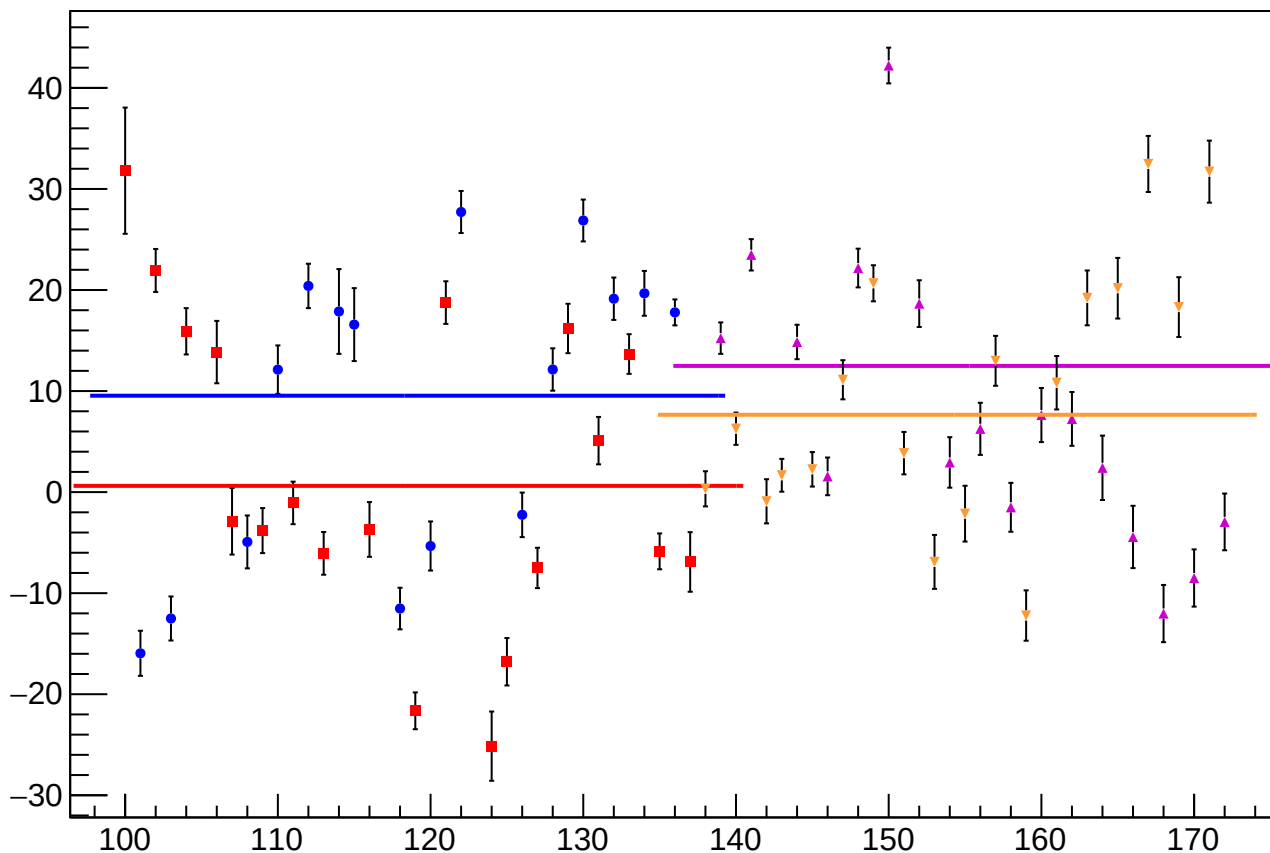
Left In: 3354.415+/-0.638 χ^2/NDF : 432994.5/16

+ sign 3254.555+/-0.499 χ^2/NDF : 530901.6/33

All: 3253.837+/-0.353 χ^2/NDF : 1037073.5/69

- sign 3253.121+/-0.498 χ^2/NDF : 506167.8/35

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

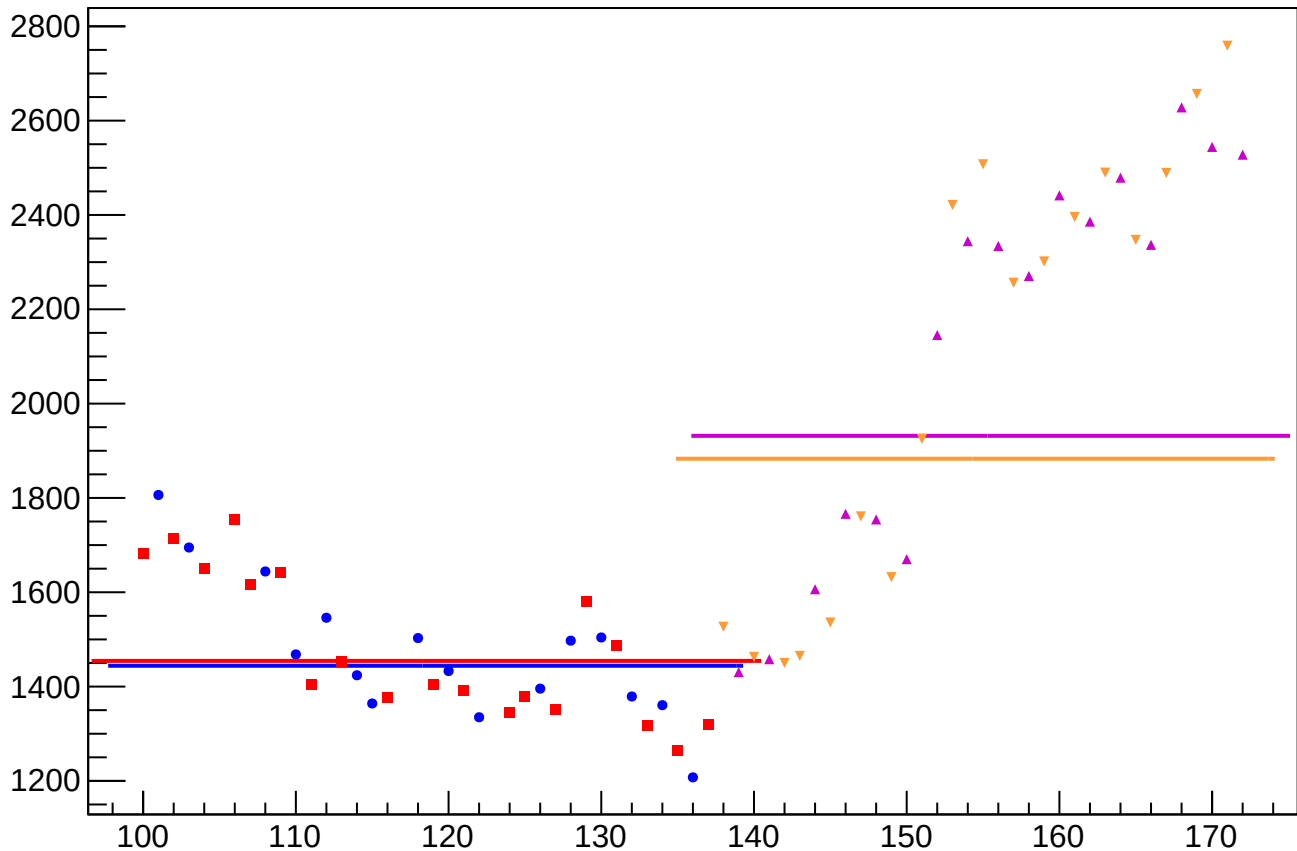
Left In: 12.490 ± 0.528 χ^2/NDF : 666.4/16

+ sign 8.547 ± 0.372 χ^2/NDF : 1124.2/33

All: 7.591 ± 0.264 χ^2/NDF : 2719.2/69

- sign 6.618 ± 0.376 χ^2/NDF : 1581.8/35

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

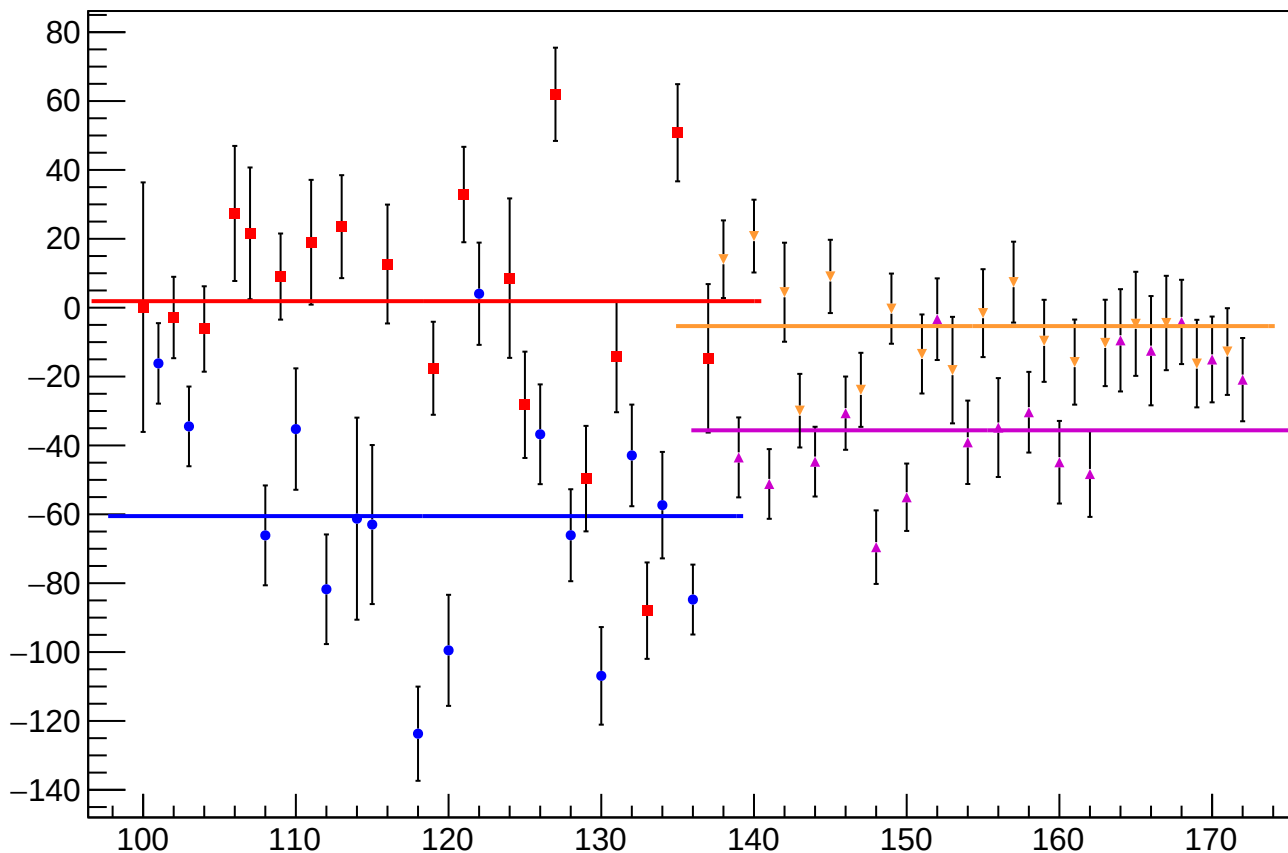
Left In: 1931.694+/-0.374 χ^2/NDF : 1231569.8/16

+ sign 1675.439+/-0.263 χ^2/NDF : 2341000.3/33

All: 1685.440+/-0.187 χ^2/NDF : 4525078.8/69

- sign 1695.619+/-0.266 χ^2/NDF : 2181167.3/35

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

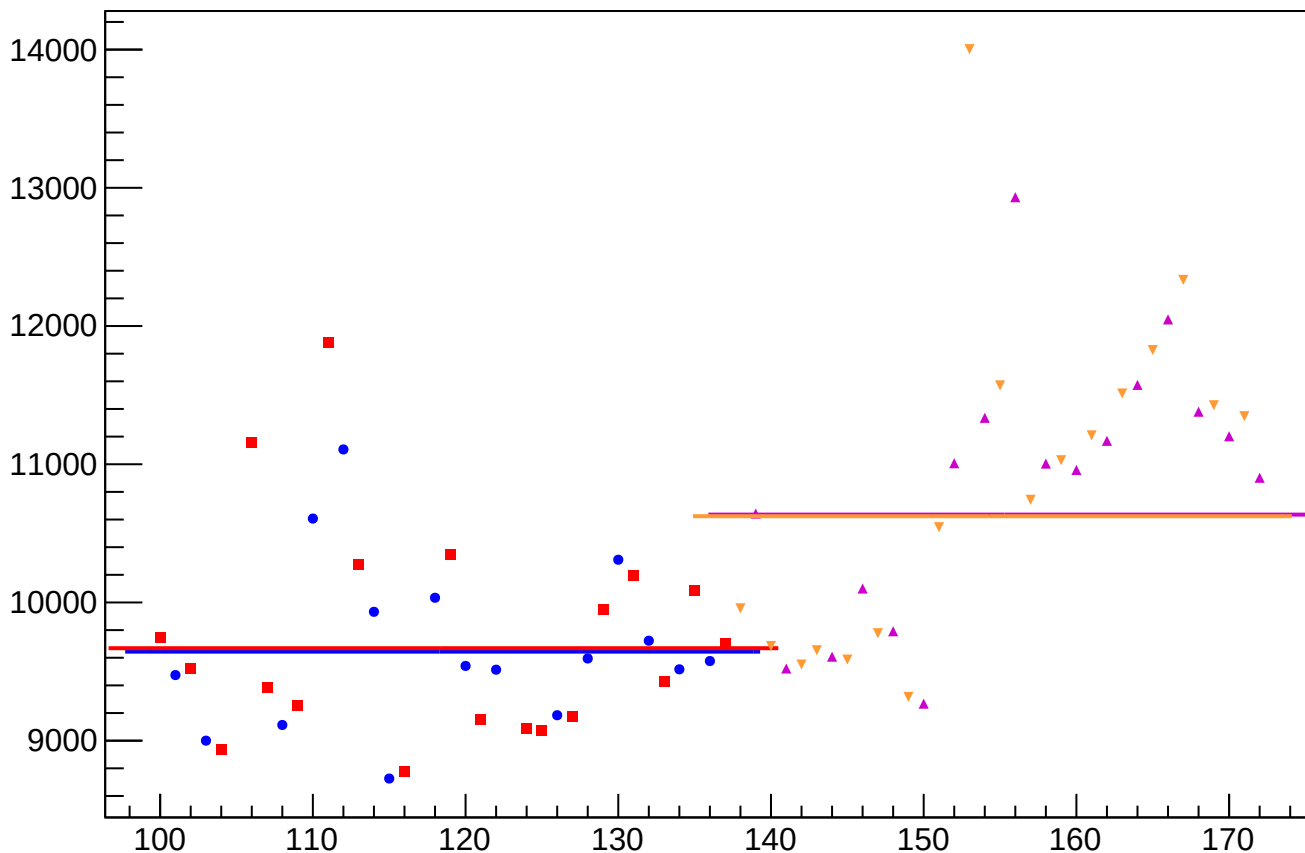
Left In: -35.608 ± 2.852 χ^2/NDF : 43.3/16

+ sign -26.446 ± 2.224 χ^2/NDF : 260.1/33

All: -23.651 ± 1.572 χ^2/NDF : 478.3/69

- sign -20.861 ± 2.222 χ^2/NDF : 215.1/35

diff_bpm0l02X_rms vs Slug



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

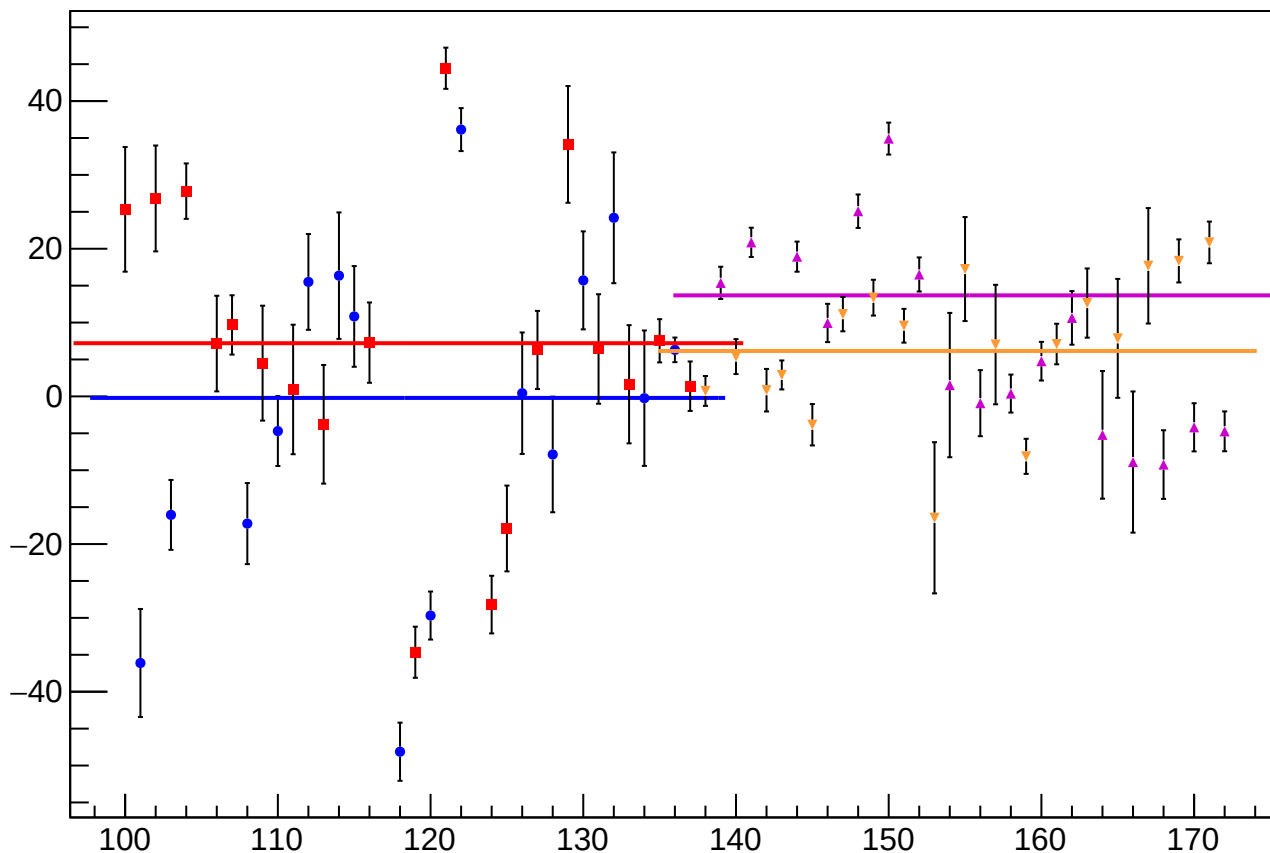
Left In: 10635.623+/-2.017 χ^2/NDF : 204691.9/16

+ sign 10249.411+/-1.573 χ^2/NDF : 432459.5/33

All: 10252.489+/-1.111 χ^2/NDF : 807347.4/69

- sign 10255.561+/-1.571 χ^2/NDF : 374880.3/35

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

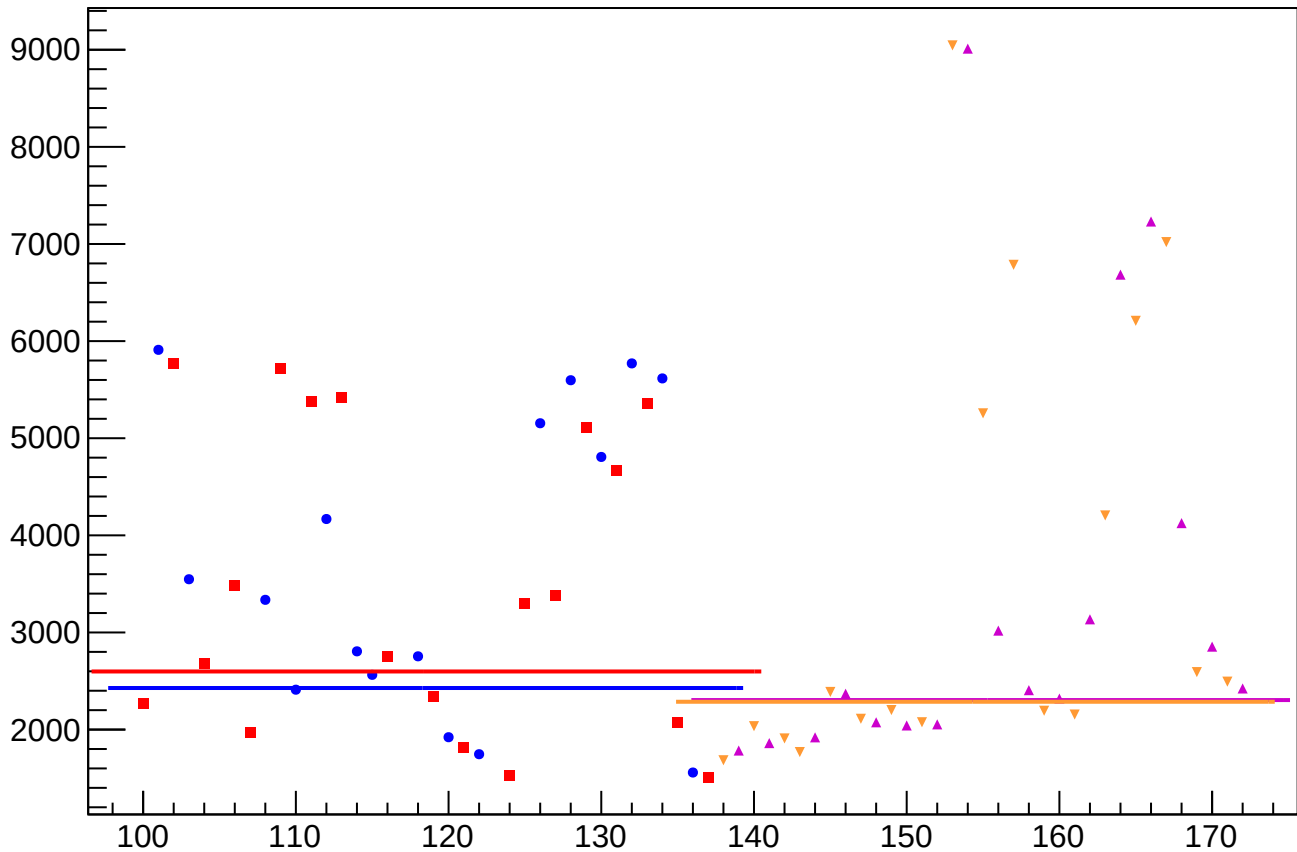
Left In: 13.684 ± 0.677 χ^2/NDF : 308.0/16

+ sign 4.256 ± 0.571 χ^2/NDF : 633.8/33

All: 8.040 ± 0.404 χ^2/NDF : 1541.6/69

- sign 11.843 ± 0.572 χ^2/NDF : 819.7/35

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

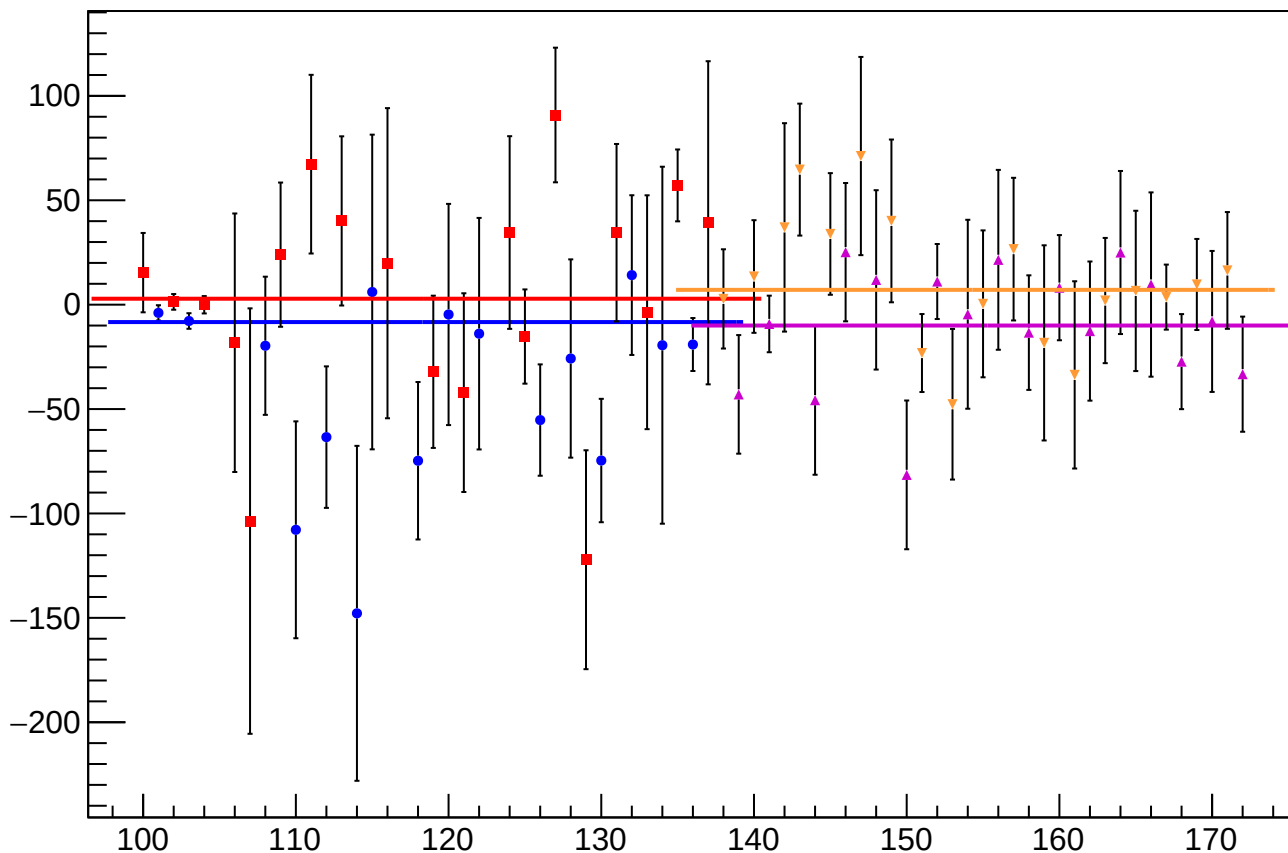
Left In: 2303.910+/-0.478 χ^2/NDF : 2871318.7/16

+ sign 2328.763+/-0.404 χ^2/NDF : 6674963.8/33

All: 2358.109+/-0.286 χ^2/NDF : 12179450.5/6

- sign 2387.593+/-0.405 χ^2/NDF : 5493898.5/35

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

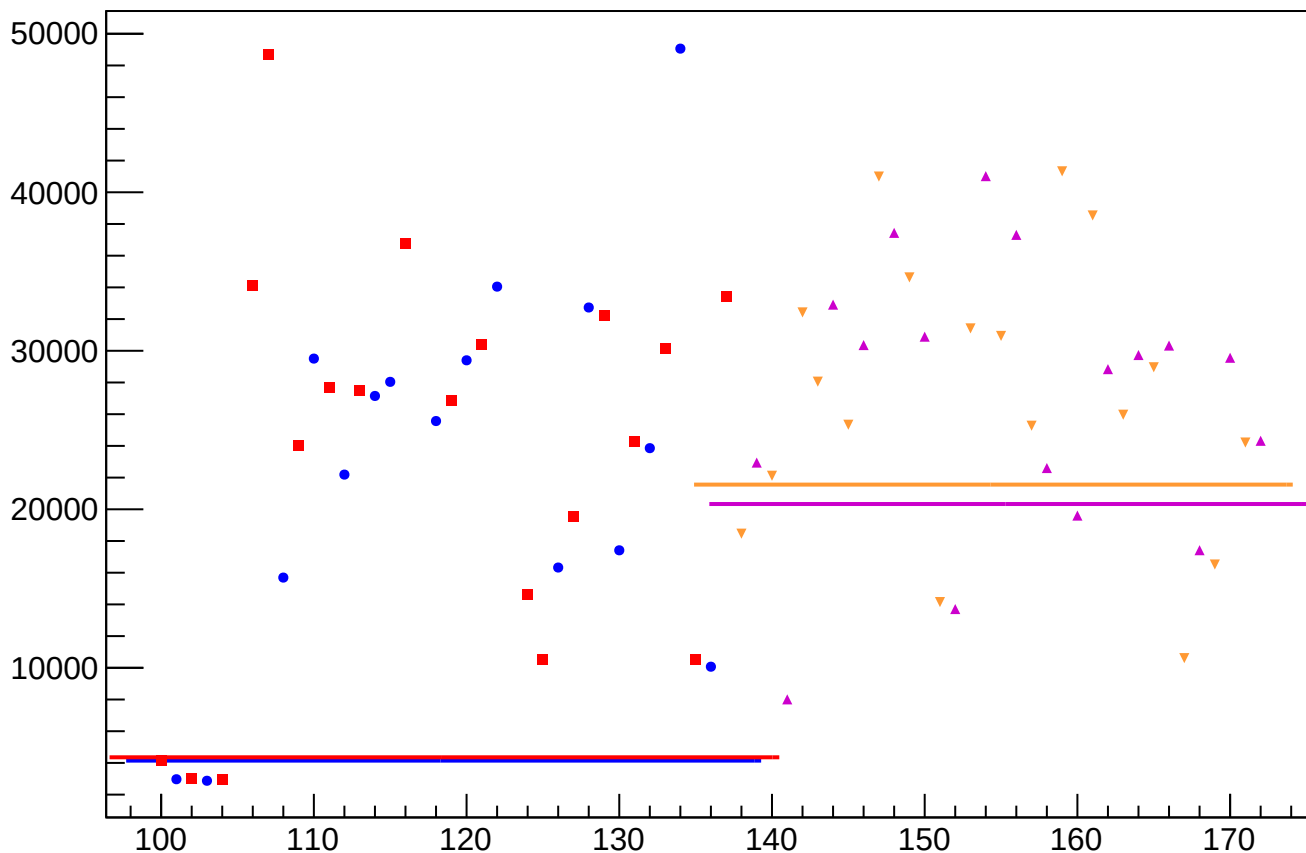
Left In: -9.990 ± 6.604 χ^2/NDF : 12.5/16

+ sign -6.440 ± 2.341 χ^2/NDF : 41.9/33

All: -2.853 ± 1.693 χ^2/NDF : 95.2/69

- sign 1.079 ± 2.451 χ^2/NDF : 48.4/35

diff_bpm0l03X_rms vs Slug



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

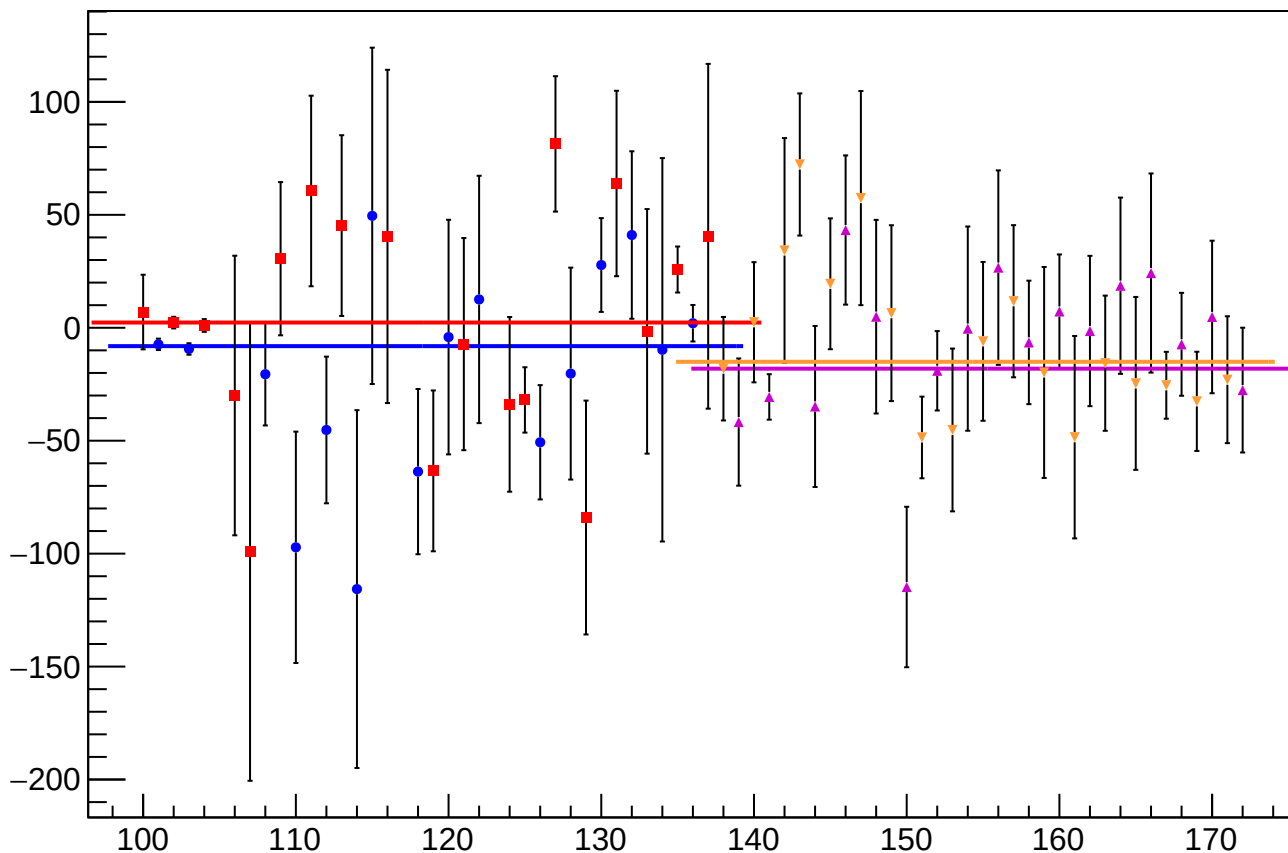
Left In: 20333.046+/-4.669 χ^2/NDF : 4184331.7/16

+ sign 6281.313+/-1.655 χ^2/NDF : 22054521.5/33

All: 6412.223+/-1.197 χ^2/NDF : 43973421.2/6

- sign 6555.714+/-1.733 χ^2/NDF : 21905791.3/35

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

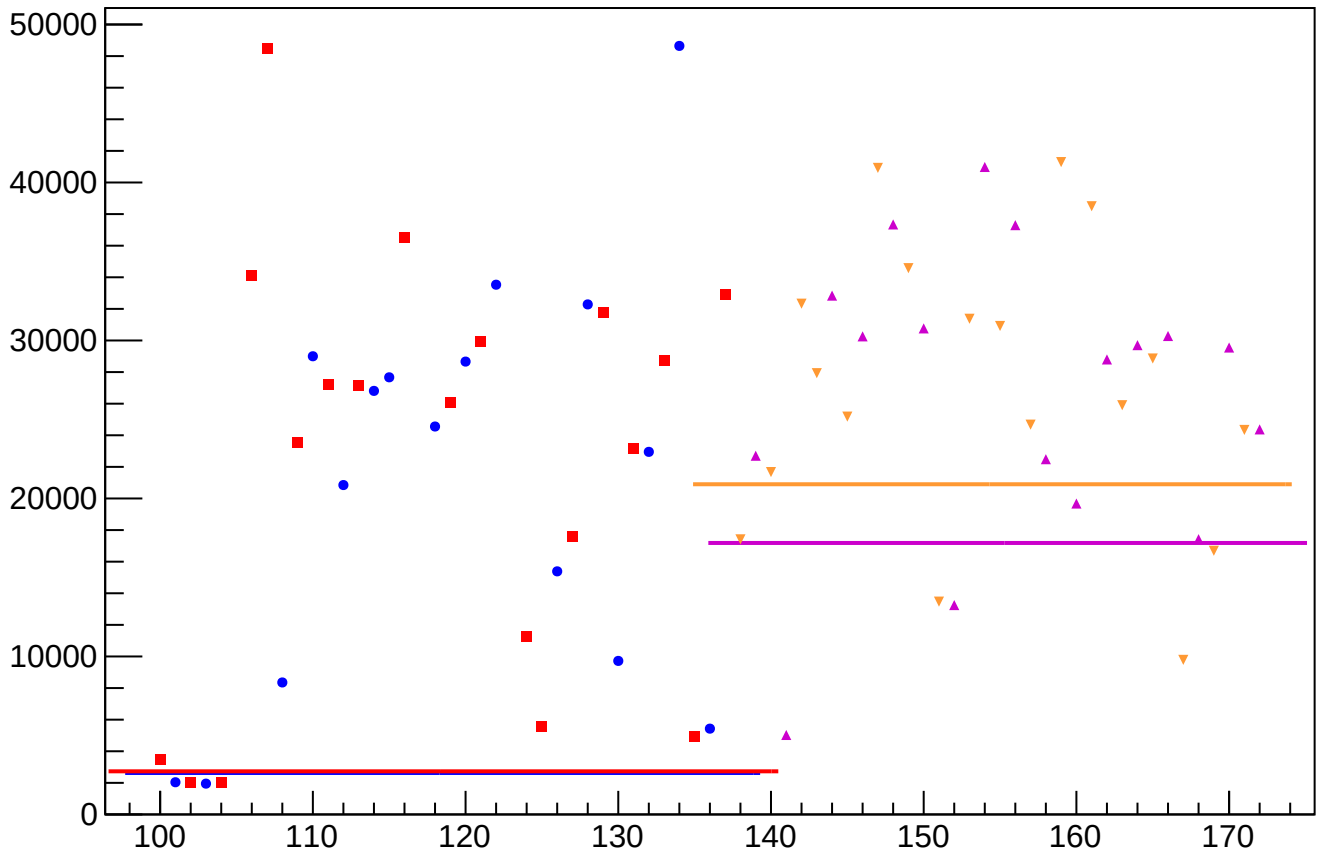
Left In: -18.102 ± 6.026 χ^2/NDF : 18.9/16

+ sign -8.578 ± 1.664 χ^2/NDF : 40.0/33

All: -4.196 ± 1.204 χ^2/NDF : 117.1/69

- sign 0.614 ± 1.744 χ^2/NDF : 62.5/35

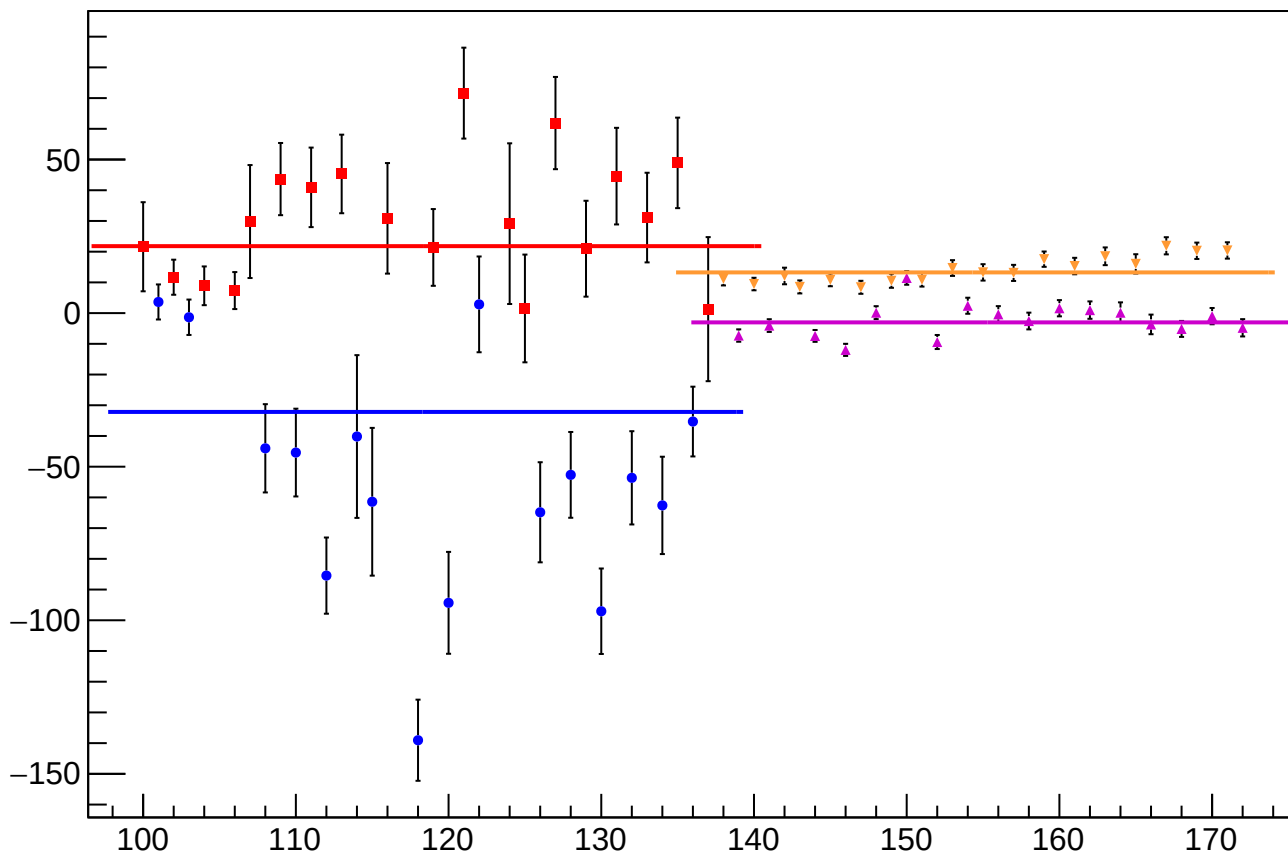
diff_bpm0l03Y_rms vs Slug



Right In: 2626.430 $\pm$ 1.216 χ^2 /NDF: 6780884.6/15
 Left Out: 20899.783 $\pm$ 4.641 χ^2 /NDF: 3658292.8/17
 Right Out: 2730.235 $\pm$ 1.288 χ^2 /NDF: 7985984.4/18
 Left In: 17183.958 $\pm$ 4.261 χ^2 /NDF: 6643224.6/16

+ sign 3801.028 $\pm$ 1.177 χ^2 /NDF: 24943028.9/33
 All: 3867.520 $\pm$ 0.851 χ^2 /NDF: 50121915.2/6
 - sign 3940.521 $\pm$ 1.233 χ^2 /NDF: 25172188.1/35

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

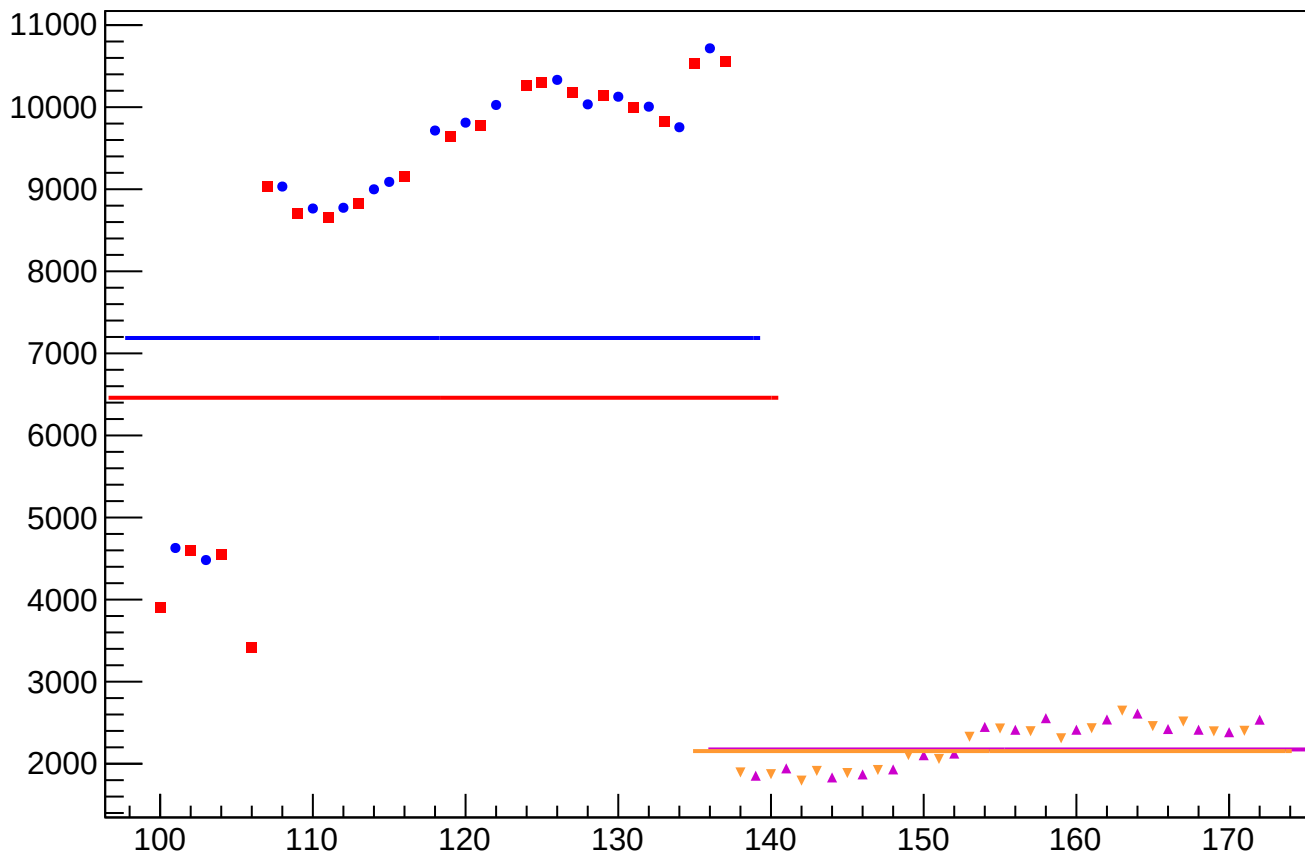
Left In: -3.020 ± 0.586 χ^2/NDF : 96.0/16

+ sign 11.464 ± 0.564 χ^2/NDF : 503.6/33

All: 4.925 ± 0.401 χ^2/NDF : 1011.0/69

- sign -1.784 ± 0.571 χ^2/NDF : 234.6/35

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

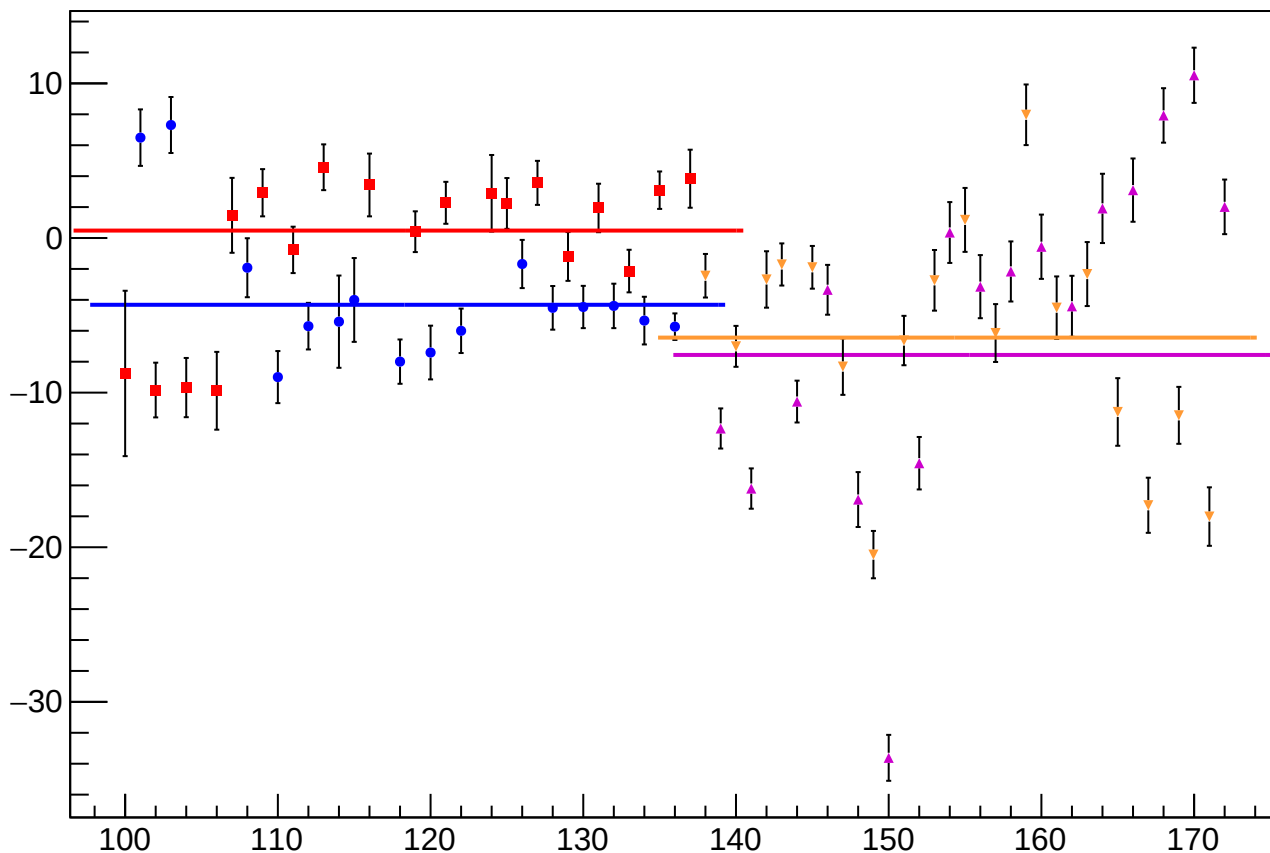
Left In: 2174.160+/-0.414 χ^2/NDF : 450815.6/16

+ sign 2352.231+/-0.398 χ^2/NDF : 8143470.3/33

All: 2369.704+/-0.284 χ^2/NDF : 16210322.9/6

- sign 2387.628+/-0.404 χ^2/NDF : 8062957.8/35

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

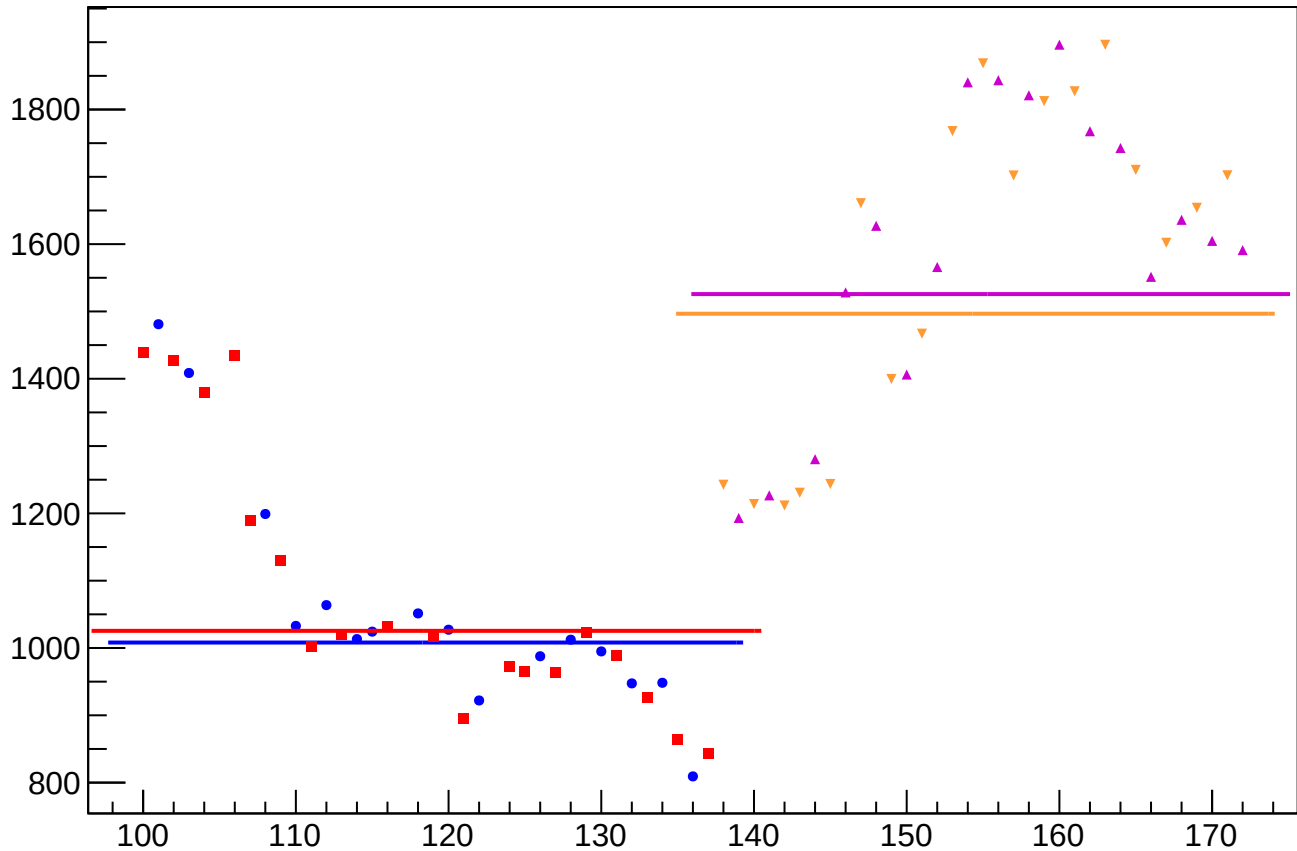
Left In: -7.563 ± 0.413 χ^2/NDF : 718.5/16

+ sign -5.318 ± 0.276 χ^2/NDF : 401.6/33

All: -4.268 ± 0.196 χ^2/NDF : 1472.8/69

- sign -3.197 ± 0.279 χ^2/NDF : 1042.0/35

diff_bpm0l04Y_rms vs Slug



Right In: 1008.116 $\pm$ 0.269 χ^2 /NDF: 378836.2/15

Left Out: 1496.609 $\pm$ 0.285 χ^2 /NDF: 744470.6/17

Right Out: 1025.486 $\pm$ 0.268 χ^2 /NDF: 345991.2/18

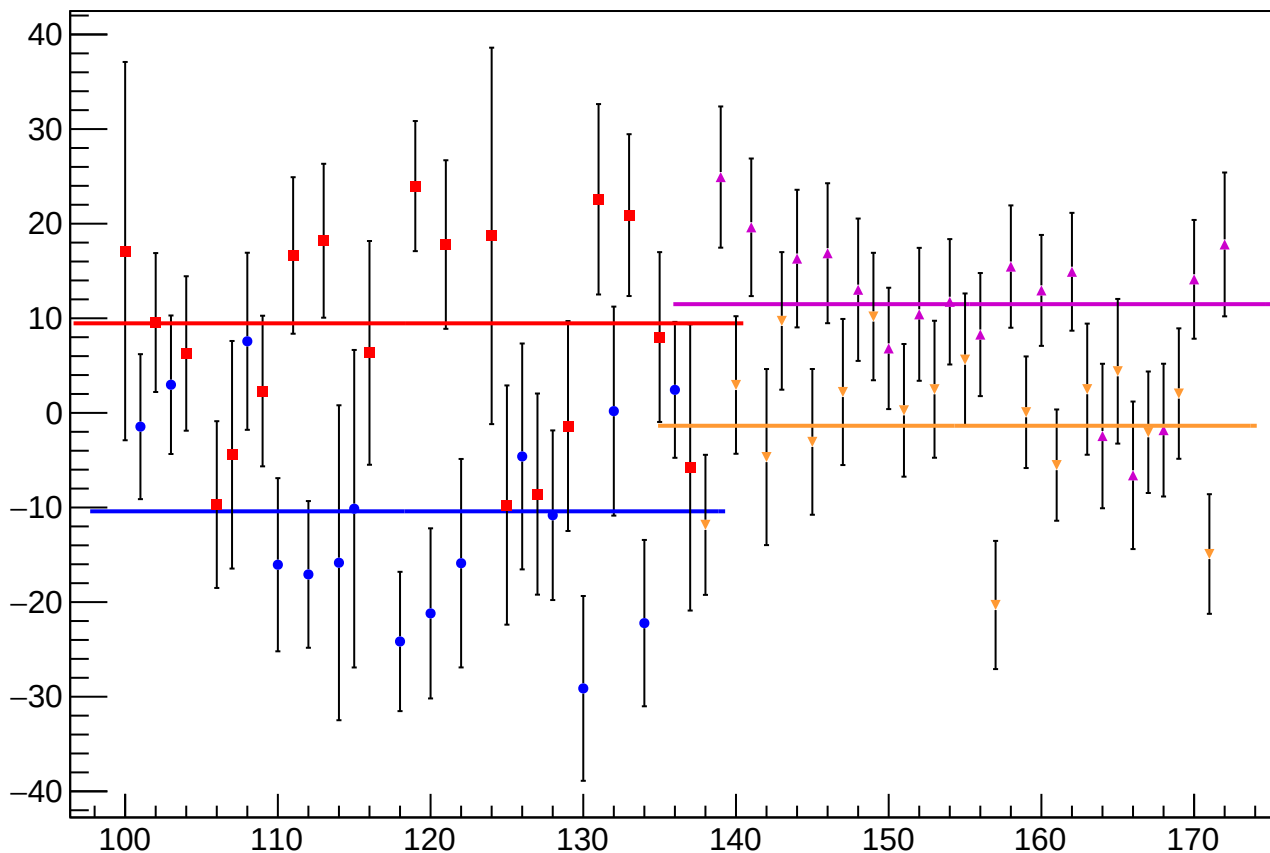
Left In: 1525.797 $\pm$ 0.292 χ^2 /NDF: 595820.8/16

+ sign 1238.134 $\pm$ 0.195 χ^2 /NDF: 2681680.9/33

All: 1246.124 $\pm$ 0.139 χ^2 /NDF: 5223517.0/69

- sign 1254.272 $\pm$ 0.197 χ^2 /NDF: 2538456.5/35

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

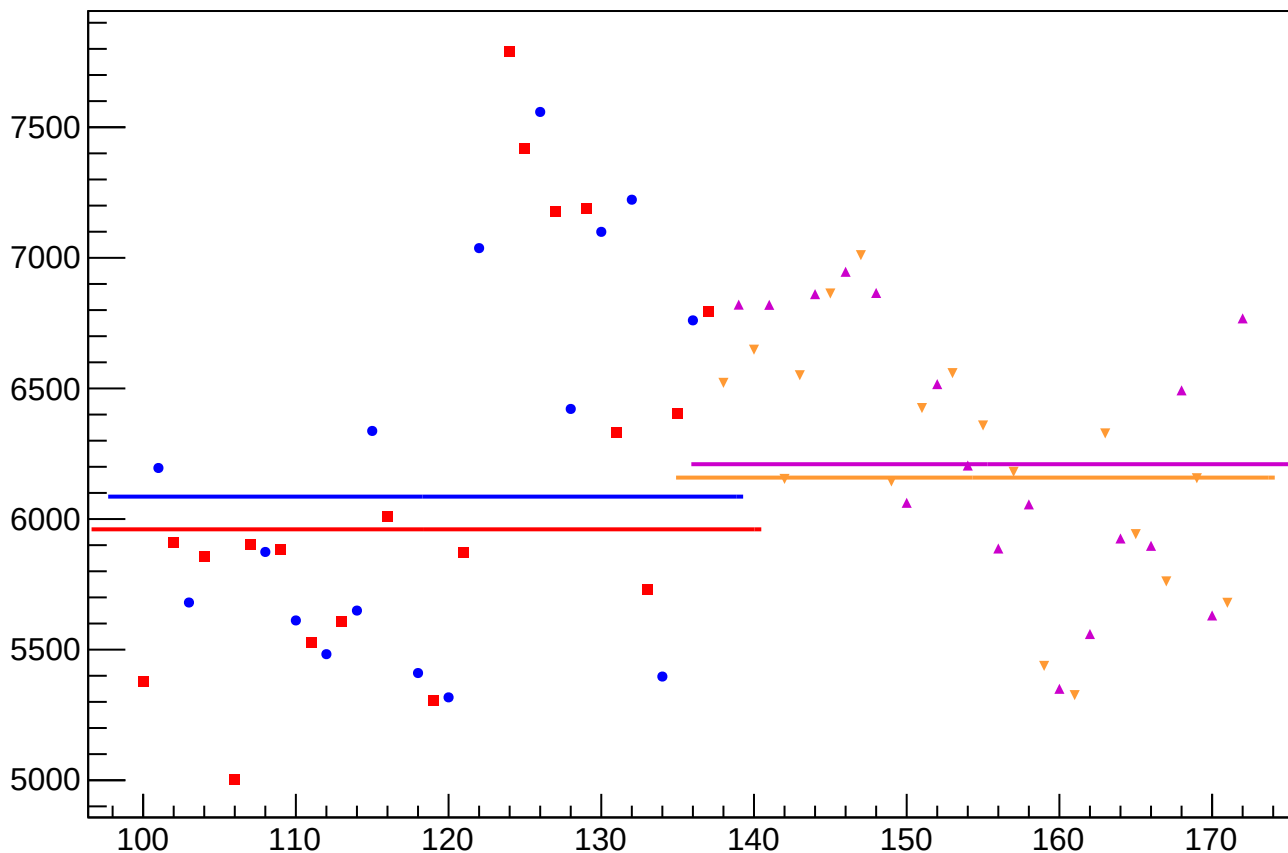
Left In: 11.493 ± 1.671 χ^2/NDF : 20.2/16

+ sign -4.449 ± 1.333 χ^2/NDF : 58.4/33

All: 3.171 ± 0.941 χ^2/NDF : 169.8/69

- sign 10.748 ± 1.329 χ^2/NDF : 46.1/35

diff_bpm0l05X_rms vs Slug



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

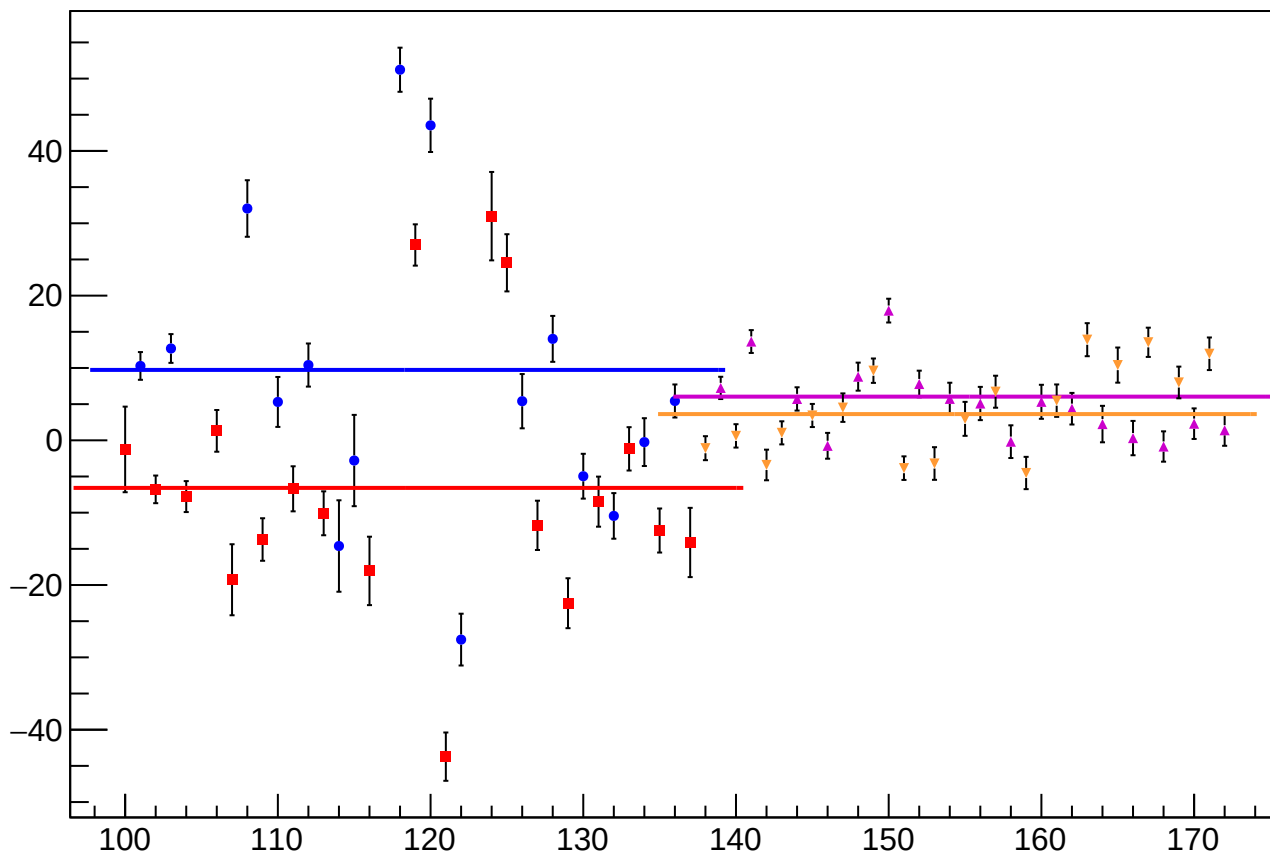
Left In: 6209.941+/-1.182 χ^2/NDF :191318.7/16

+ sign 6133.820+/-0.942 χ^2/NDF : 343796.0/33

All: 6126.006+/-0.665 χ^2/NDF : 714399.1/69

- sign 6118.235+/-0.940 χ^2/NDF : 370466.0/35

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

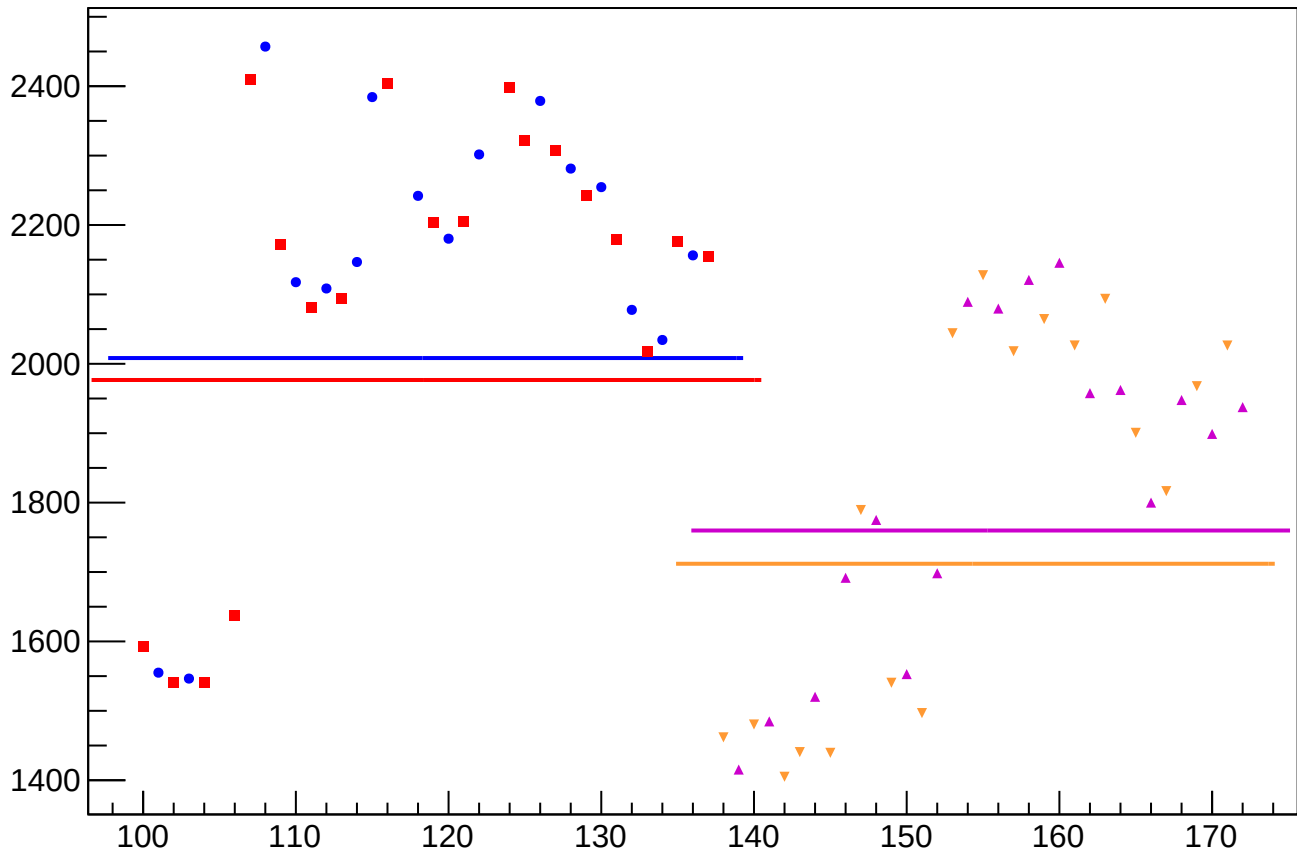
Left In: 6.039 ± 0.475 χ^2/NDF : 128.9/16

+ sign 5.278 ± 0.393 χ^2/NDF : 714.3/33

All: 3.805 ± 0.280 χ^2/NDF : 1505.2/69

- sign 2.290 ± 0.398 χ^2/NDF : 762.3/35

diff_bpm0l05Y_rms vs Slug



Right In: 2008.296 $\pm$ 0.534 χ^2 /NDF: 344387.2/15

Left Out: 1711.900 $\pm$ 0.325 χ^2 /NDF: 676626.5/17

Right Out: 1976.677 $\pm$ 0.516 χ^2 /NDF: 365375.1/18

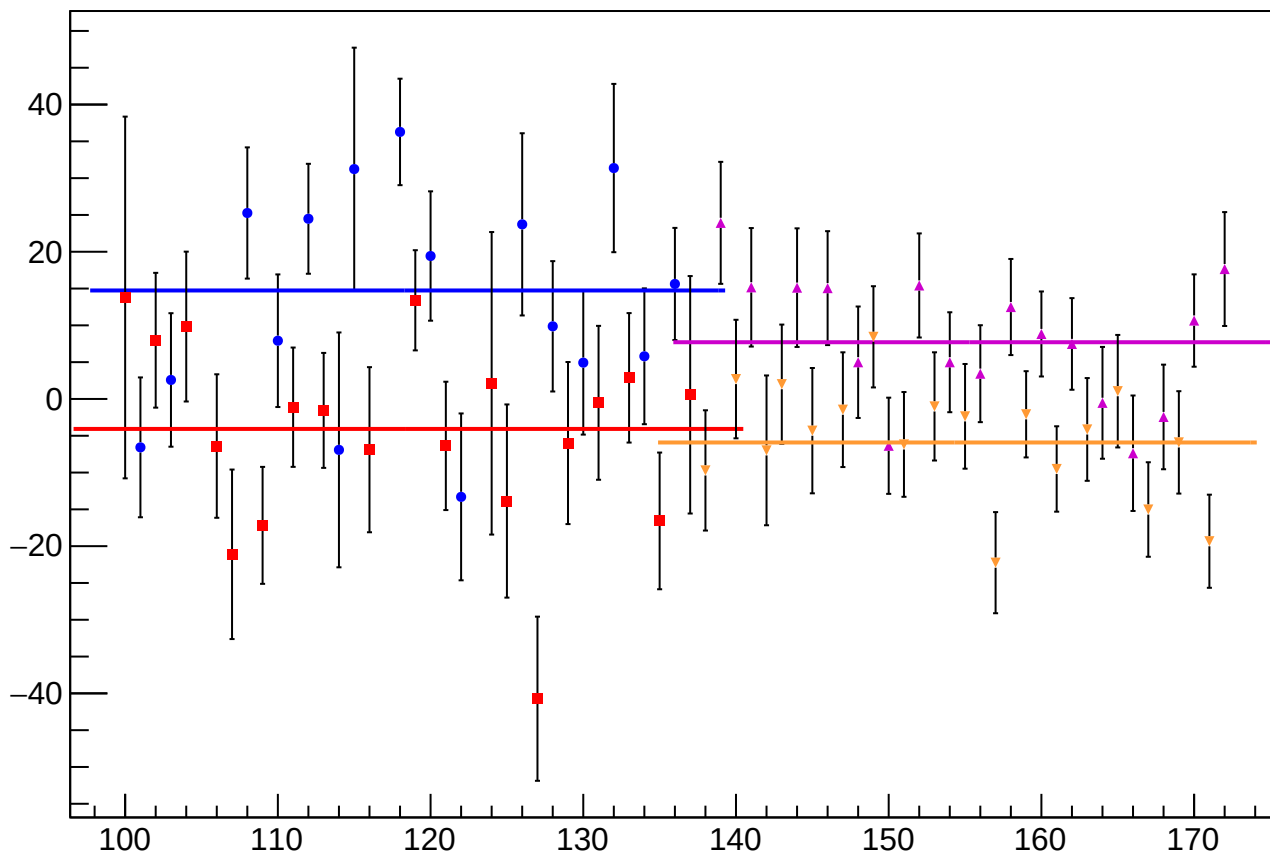
Left In: 1759.811 $\pm$ 0.336 χ^2 /NDF: 497818.5/16

+ sign 1792.037 $\pm$ 0.278 χ^2 /NDF: 1245955.2/33

All: 1807.917 $\pm$ 0.198 χ^2 /NDF: 2239737.4/69

- sign 1824.250 $\pm$ 0.282 χ^2 /NDF: 987142.6/35

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

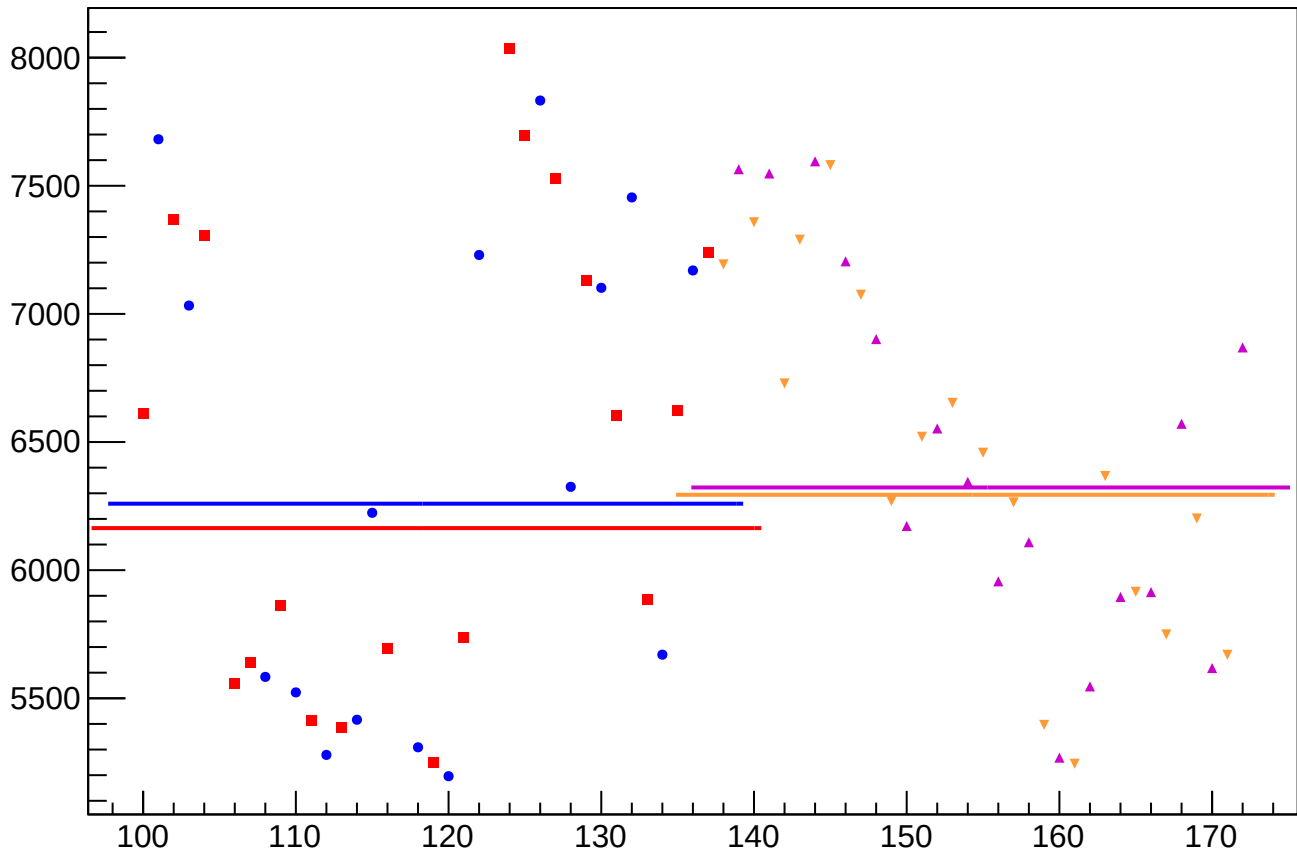
Left In: 7.708 ± 1.709 χ^2/NDF : 22.3/16

+ sign 1.068 ± 1.371 χ^2/NDF : 105.9/33

All: 2.266 ± 0.968 χ^2/NDF : 177.1/69

- sign 3.456 ± 1.366 χ^2/NDF : 69.7/35

diff_bpm0l06X_rms vs Slug



Right In: 6259.416 $\pm$ 1.667 χ^2 /NDF: 308606.8/15

Left Out: 6294.127 $\pm$ 1.191 χ^2 /NDF:318407.3/17

Right Out: 6164.140 $\pm$ 1.608 χ^2 /NDF: 265058.6/18

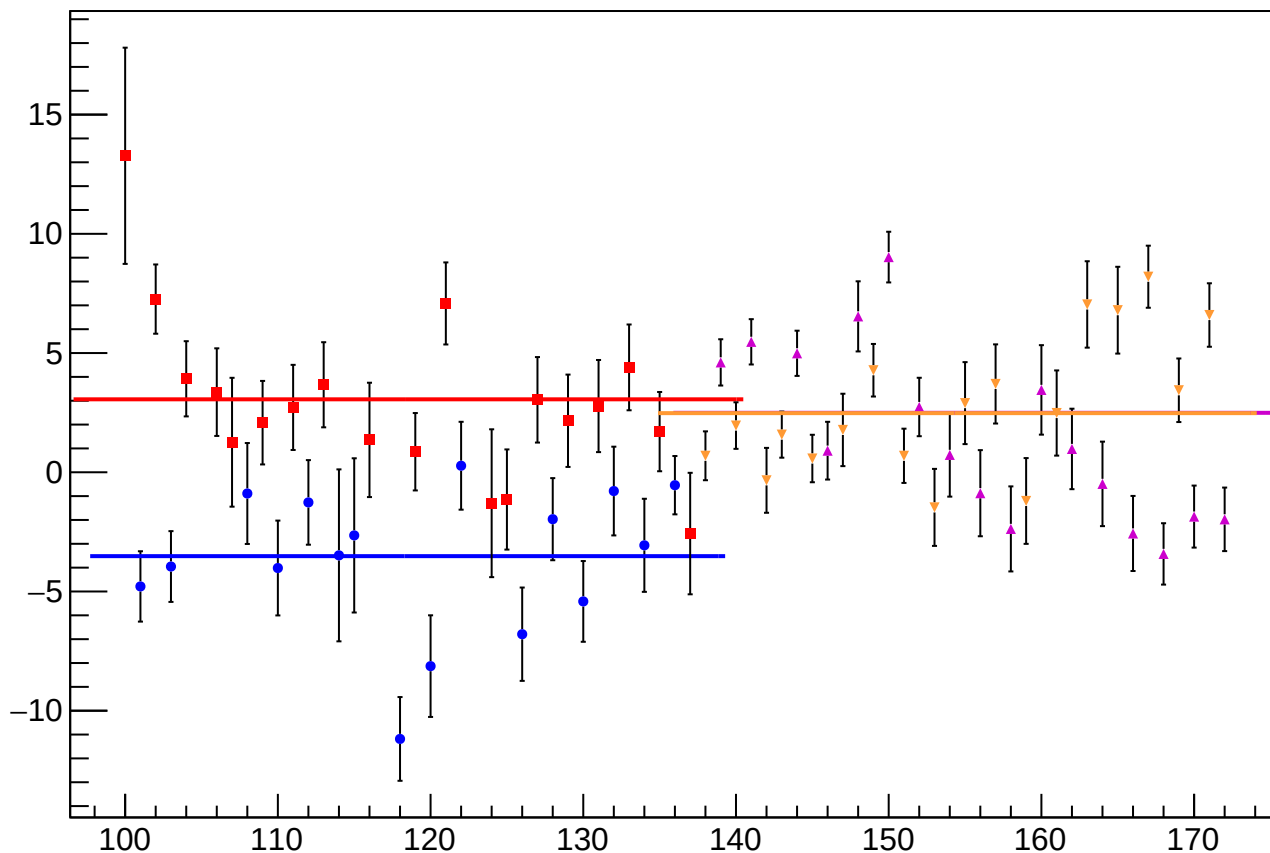
Left In: 6322.695 $\pm$ 1.208 χ^2 /NDF:337535.9/16

+ sign 6282.394 $\pm$ 0.969 χ^2 /NDF: 627301.0/33

All: 6273.901 $\pm$ 0.684 χ^2 /NDF: 1236263.6/69

- sign 6265.465 $\pm$ 0.966 χ^2 /NDF: 608809.5/35

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

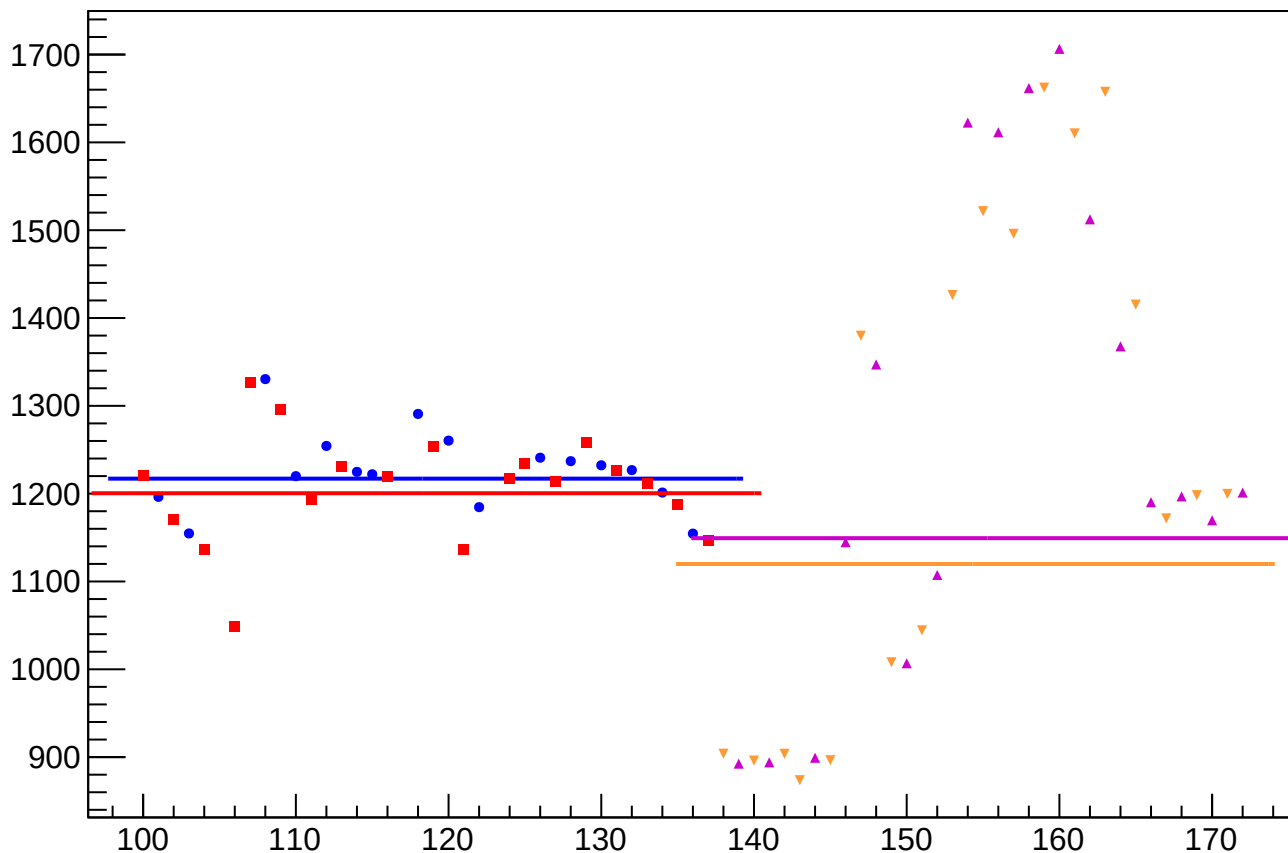
Left In: 2.493 ± 0.316 χ^2/NDF : 138.3/16

+ sign 0.597 ± 0.253 χ^2/NDF : 235.3/33

All: 1.631 ± 0.180 χ^2/NDF : 443.1/69

- sign 2.686 ± 0.256 χ^2/NDF : 174.2/35

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

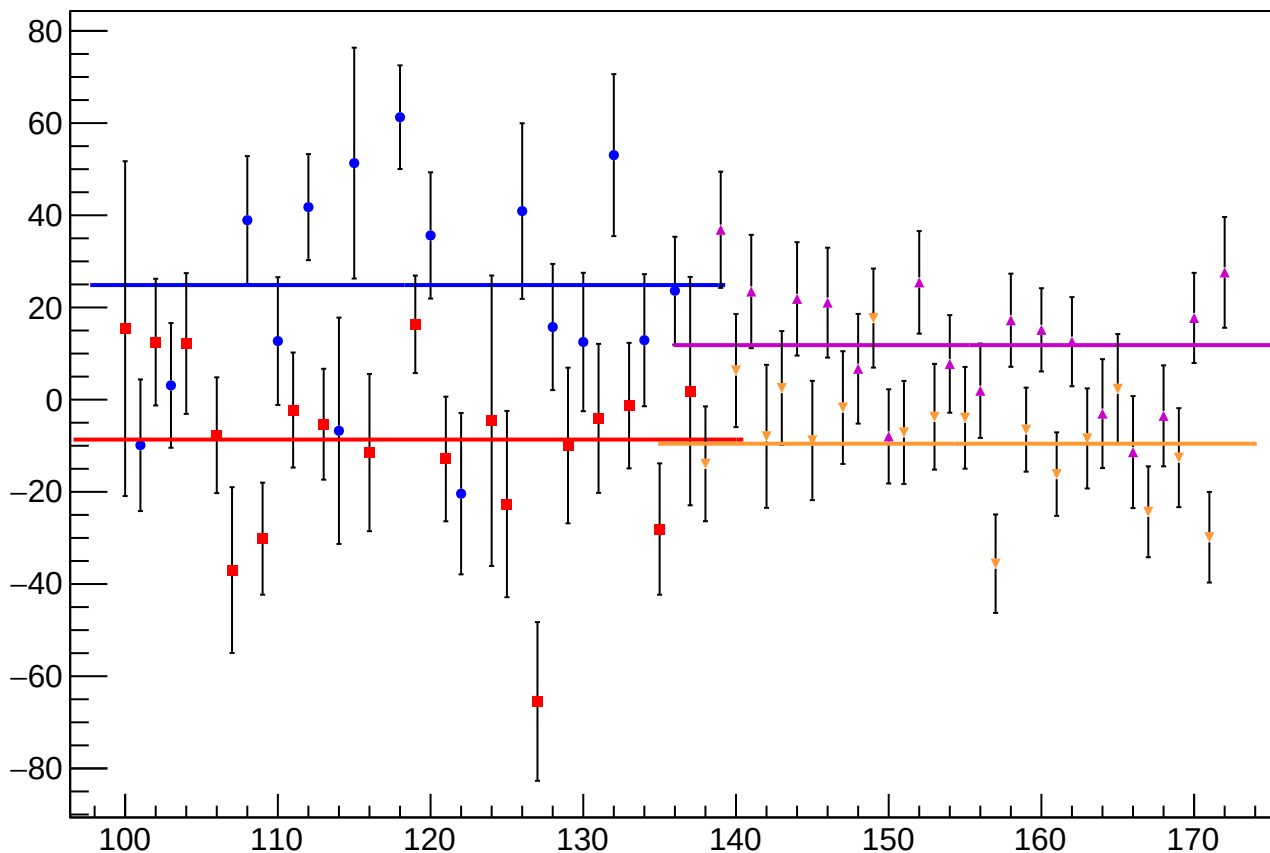
Left In: 1149.314+/-0.223 χ^2/NDF : 1247145.9/16

+ sign 1150.417+/-0.179 χ^2/NDF : 1510269.8/33

All: 1158.517+/-0.127 χ^2/NDF : 2817156.7/69

- sign 1166.787+/-0.181 χ^2/NDF : 1302759.0/35

diff_bpm0l07X_mean vs Slug



Right In: 24.860 $\pm$ 3.628 χ^2 /NDF: 38.1/15

Left Out: -9.557 $\pm$ 2.610 χ^2 /NDF: 24.4/17

Right Out: -8.658 $\pm$ 3.454 χ^2 /NDF: 30.1/18

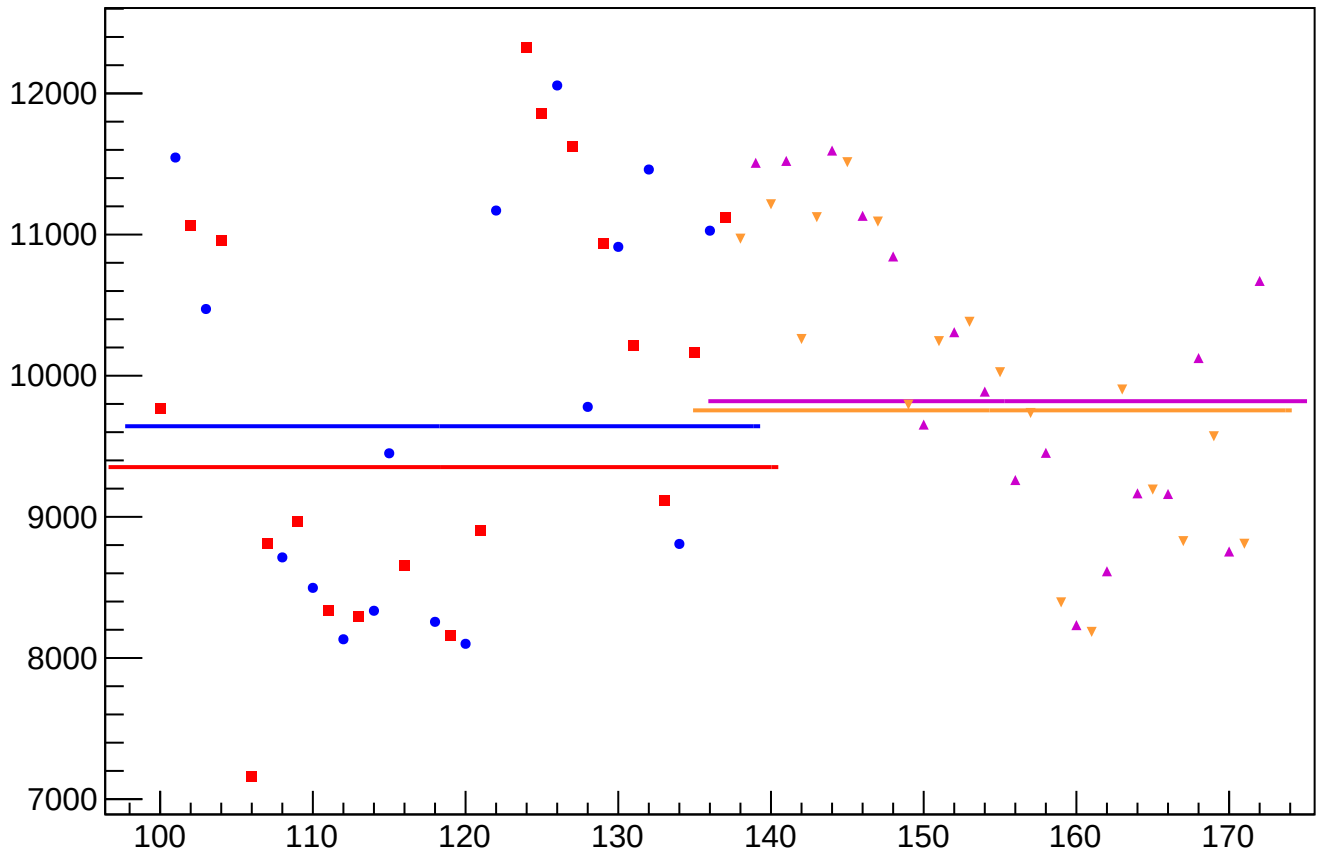
Left In: 11.832 $\pm$ 2.652 χ^2 /NDF: 22.3/16

+ sign 2.180 $\pm$ 2.119 χ^2 /NDF: 121.8/33

All: 3.213 $\pm$ 1.493 χ^2 /NDF: 196.9/69

- sign 4.231 $\pm$ 2.103 χ^2 /NDF: 74.6/35

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

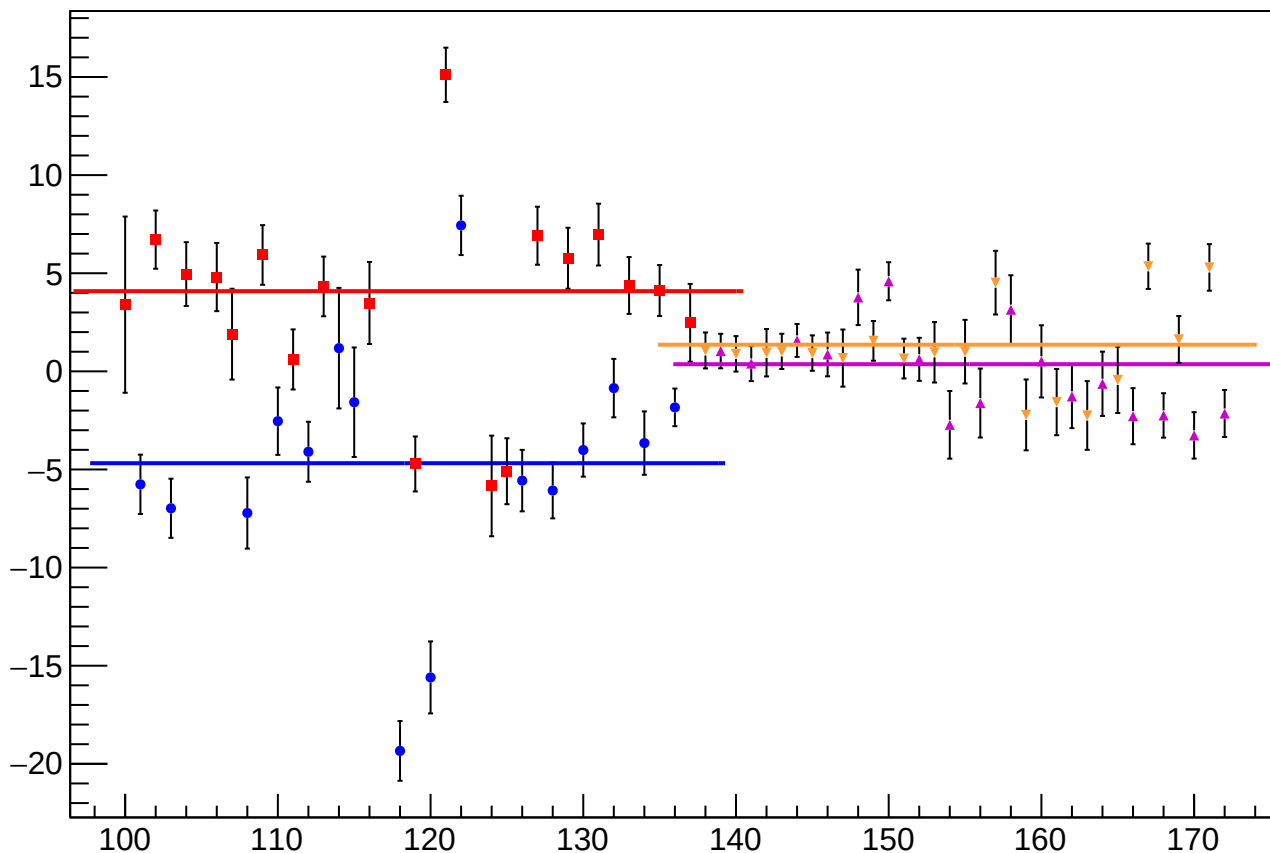
Left In: 9819.514 ± 1.875 χ^2/NDF : 308277.0/16

+ sign 9716.198 ± 1.498 χ^2/NDF : 573145.3/33

All: 9680.986 ± 1.056 χ^2/NDF : 1207302.5/69

- sign 9646.277 ± 1.487 χ^2/NDF : 633060.2/35

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

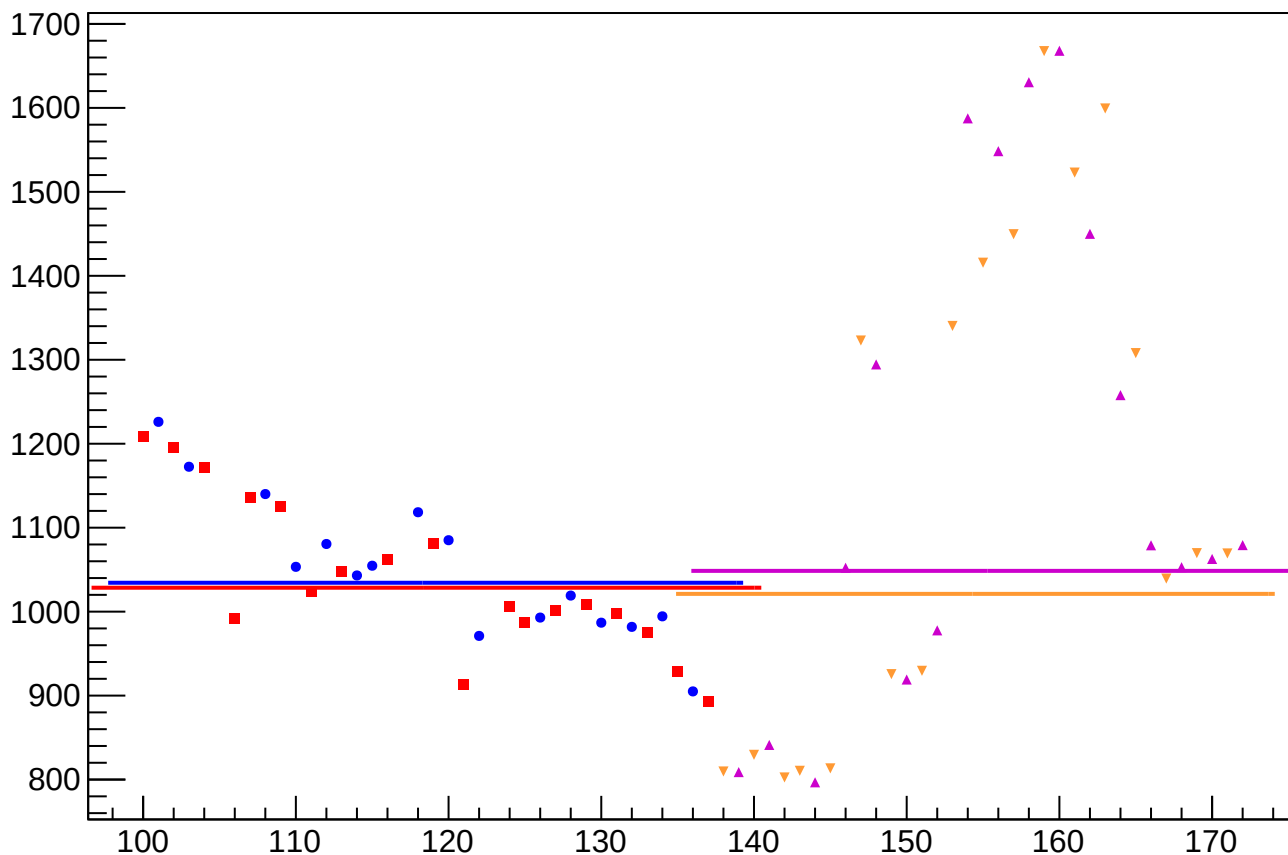
Left In: 0.364 ± 0.290 χ^2/NDF : 58.7/16

+ sign -0.734 ± 0.227 χ^2/NDF : 422.1/33

All: 0.494 ± 0.162 χ^2/NDF : 769.4/69

- sign 1.752 ± 0.230 χ^2/NDF : 288.1/35

diff_bpm0l07Y_rms vs Slug



Right In: 1034.402 $\pm$ 0.273 χ^2 /NDF: 113278.6/15

Left Out: 1021.162 $\pm$ 0.199 χ^2 /NDF: 1658361.9/17

Right Out: 1028.501 $\pm$ 0.266 χ^2 /NDF: 101624.8/18

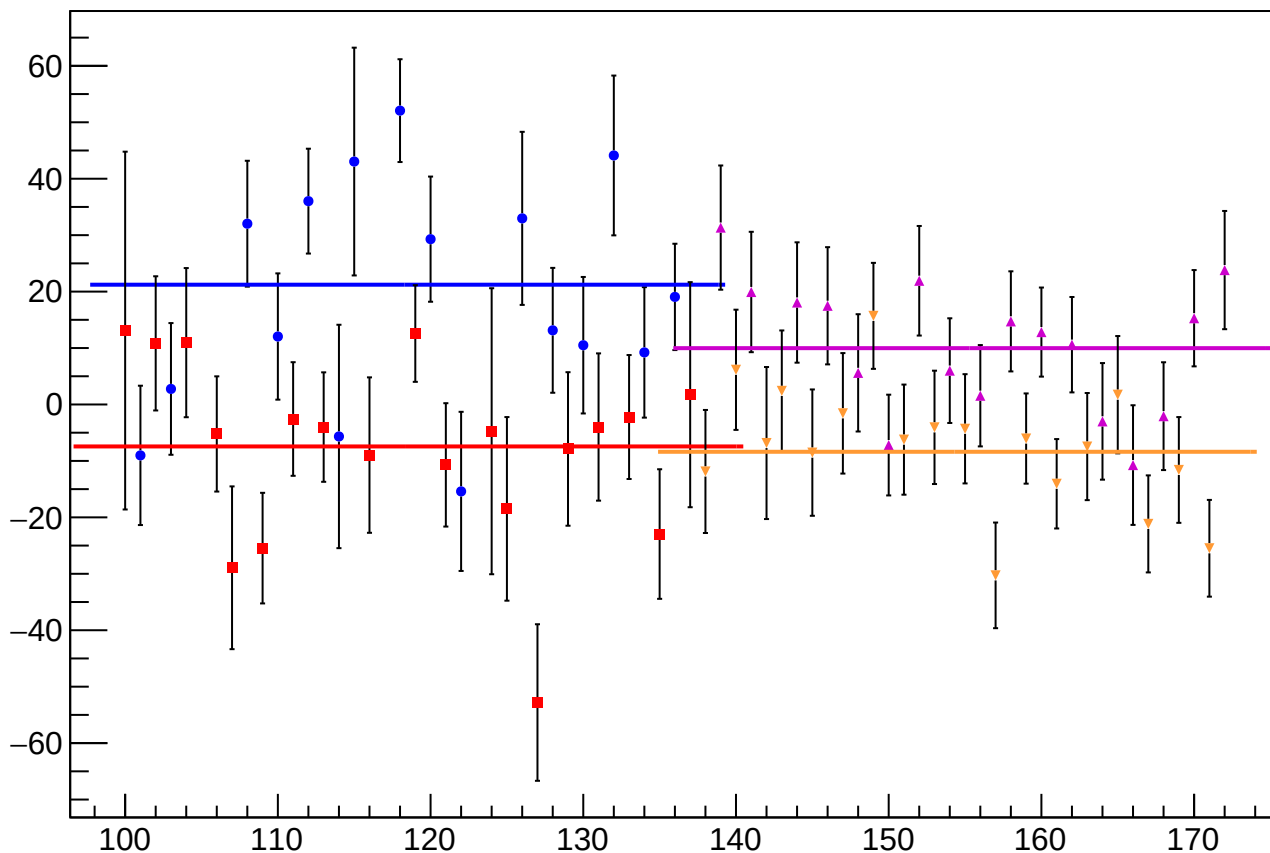
Left In: 1048.559 $\pm$ 0.205 χ^2 /NDF: 1502735.1/16

+ sign 1025.749 $\pm$ 0.161 χ^2 /NDF: 1773180.3/33

All: 1033.324 $\pm$ 0.114 χ^2 /NDF: 3385608.3/69

- sign 1041.082 $\pm$ 0.162 χ^2 /NDF: 1607922.6/35

diff_bpm0l08X_mean vs Slug



Right In: 21.222 ± 2.952 $\chi^2/\text{NDF}: 40.1/15$

Left Out: -8.381 ± 2.279 $\chi^2/\text{NDF}: 23.7/17$

Right Out: -7.435 ± 2.810 $\chi^2/\text{NDF}: 29.8/18$

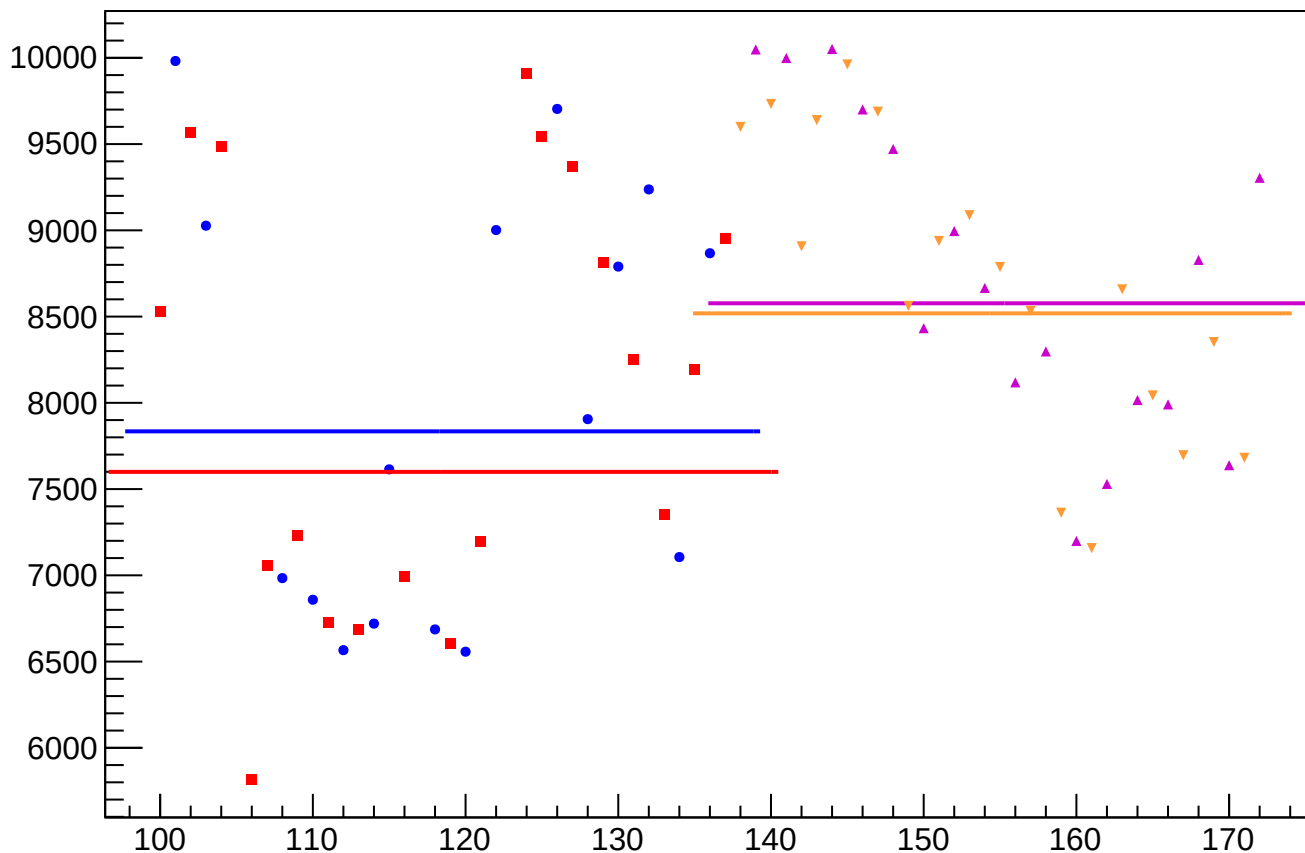
Left In: 9.979 ± 2.316 $\chi^2/\text{NDF}: 21.7/16$

+ sign 2.674 ± 1.804 $\chi^2/\text{NDF}: 126.8/33$

All: 2.806 ± 1.270 $\chi^2/\text{NDF}: 201.2/69$

- sign 2.936 ± 1.787 $\chi^2/\text{NDF}: 74.4/35$

diff_bpm0l08X_rms vs Slug



Right In: 7834.618 $\pm$ 2.087 χ^2 /NDF: 318089.6/15

Left Out: 8518.797 $\pm$ 1.611 χ^2 /NDF:281686.9/17

Right Out: 7599.749 $\pm$ 1.987 χ^2 /NDF: 344296.8/18

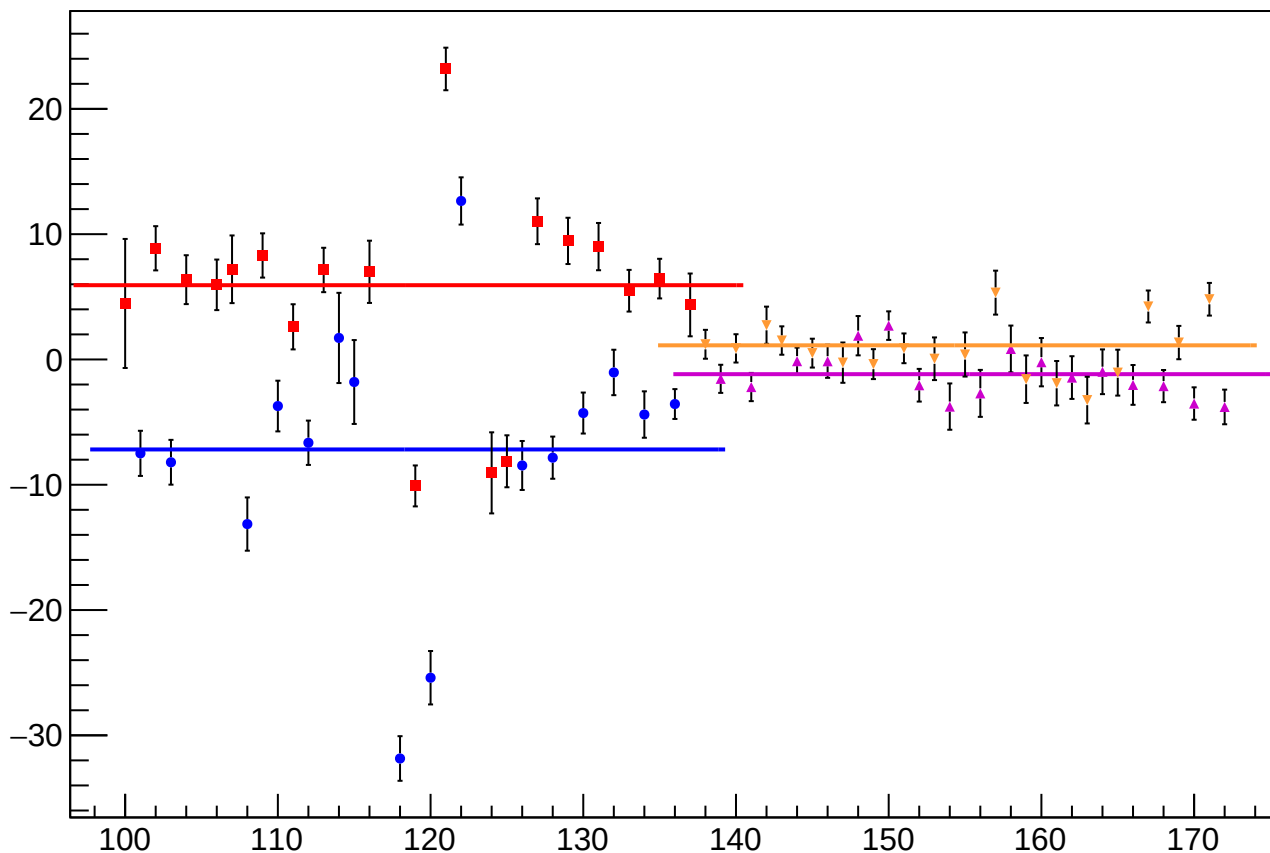
Left In: 8577.098 $\pm$ 1.638 χ^2 /NDF:298328.5/16

+ sign 8263.309 $\pm$ 1.275 χ^2 /NDF: 667100.7/33

All: 8222.184 $\pm$ 0.898 χ^2 /NDF: 1455845.9/69

- sign 8181.810 $\pm$ 1.264 χ^2 /NDF: 786685.0/35

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

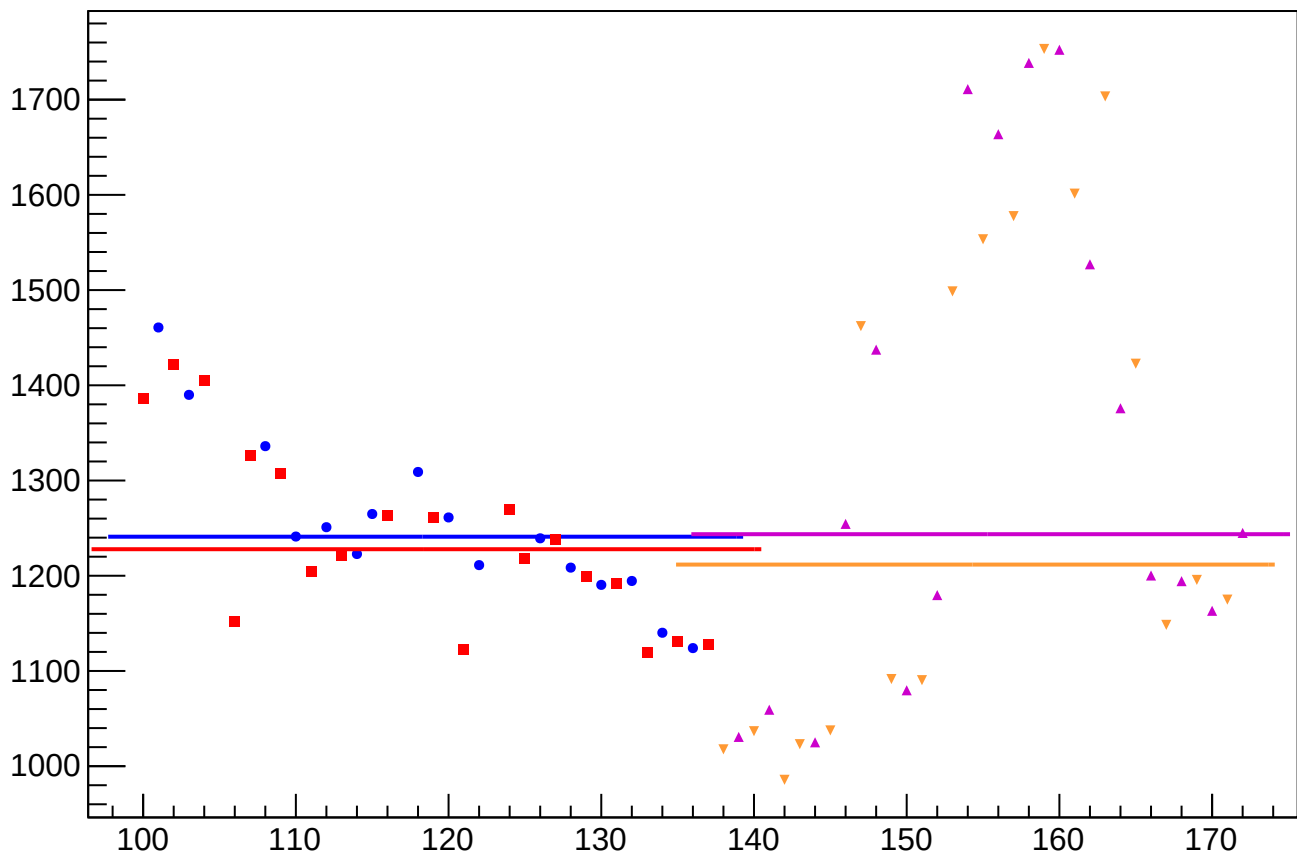
Left In: -1.174 ± 0.339 χ^2/NDF : 30.1/16

+ sign -1.661 ± 0.268 χ^2/NDF : 673.0/33

All: -0.144 ± 0.190 χ^2/NDF : 1217.4/69

- sign 1.406 ± 0.271 χ^2/NDF : 479.6/35

diff_bpm0l08Y_rms vs Slug



Right In: 1241.007 $\pm$ 0.327 χ^2 /NDF: 80653.5/15

Left Out: 1211.727 $\pm$ 0.232 χ^2 /NDF:993148.5/17

Right Out: 1227.864 $\pm$ 0.318 χ^2 /NDF: 82339.2/18

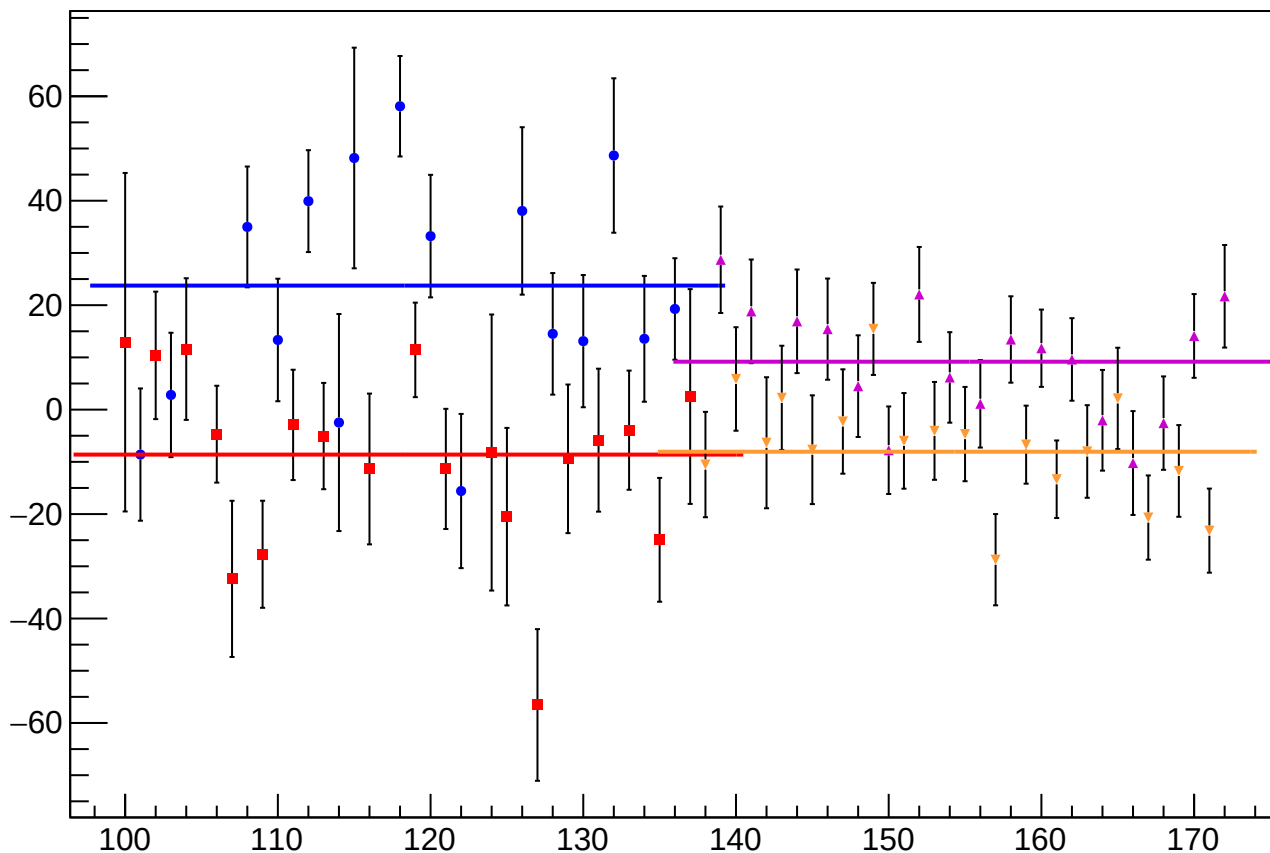
Left In: 1243.633 $\pm$ 0.240 χ^2 /NDF:870930.7/16

+ sign 1221.553 $\pm$ 0.189 χ^2 /NDF: 1079131.5/33

All: 1229.641 $\pm$ 0.135 χ^2 /NDF: 2037658.1/69

- sign 1237.904 $\pm$ 0.191 χ^2 /NDF: 954839.6/35

diff_bpm0l09X_mean vs Slug



Right In: 23.750 ± 3.081 $\chi^2/\text{NDF}: 43.4/15$

Left Out: -8.060 ± 2.130 $\chi^2/\text{NDF}: 24.3/17$

Right Out: -8.609 ± 2.899 $\chi^2/\text{NDF}: 30.5/18$

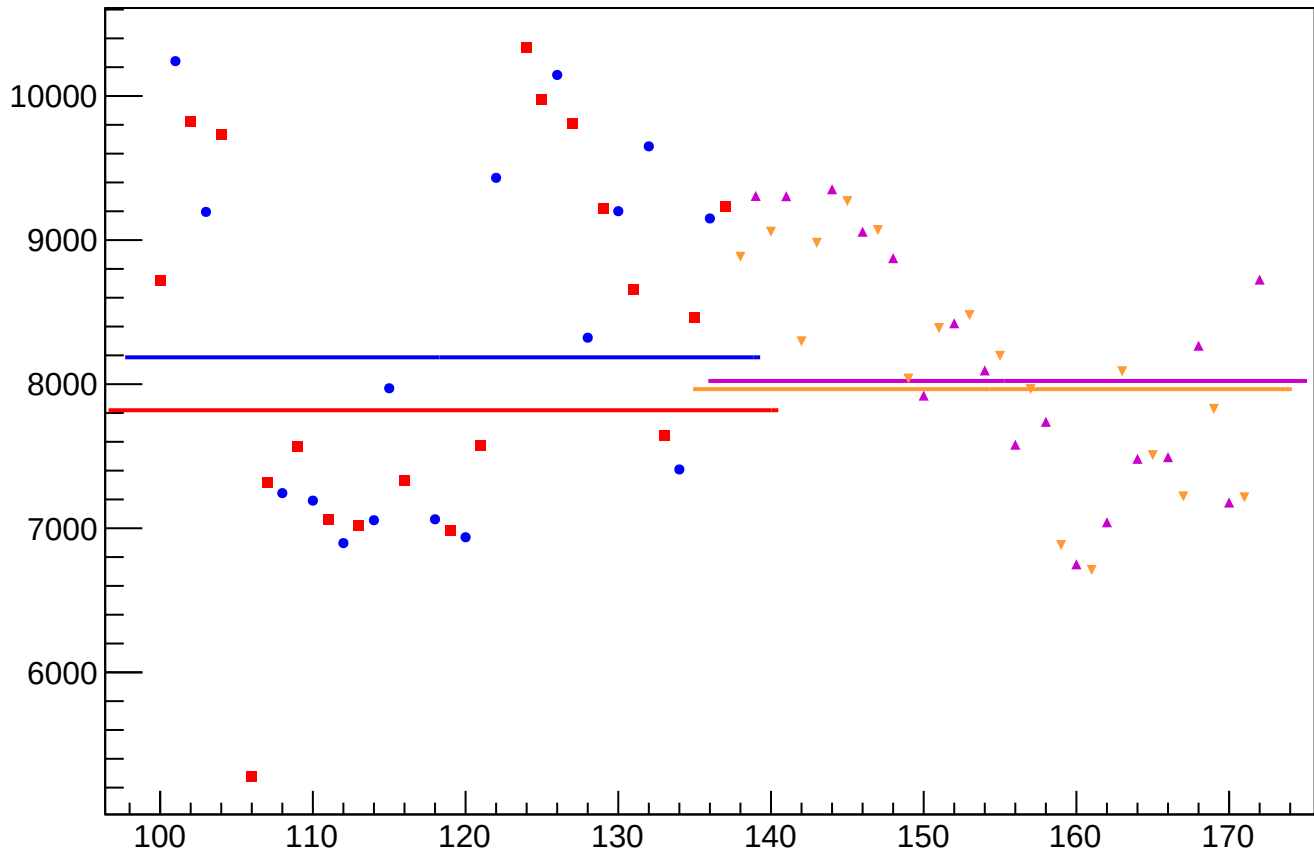
Left In: 9.176 ± 2.166 $\chi^2/\text{NDF}: 22.3/16$

+ sign 2.226 ± 1.752 $\chi^2/\text{NDF}: 139.9/33$

All: 2.519 ± 1.233 $\chi^2/\text{NDF}: 216.8/69$

- sign 2.806 ± 1.735 $\chi^2/\text{NDF}: 76.9/35$

diff_bpm0l09X_rms vs Slug



Right In: 8186.361 $\pm$ 2.179 χ^2 /NDF: 290628.8/15

Left Out: 7965.420 $\pm$ 1.506 χ^2 /NDF: 269432.0/17

Right Out: 7818.965 $\pm$ 2.050 χ^2 /NDF: 422998.1/18

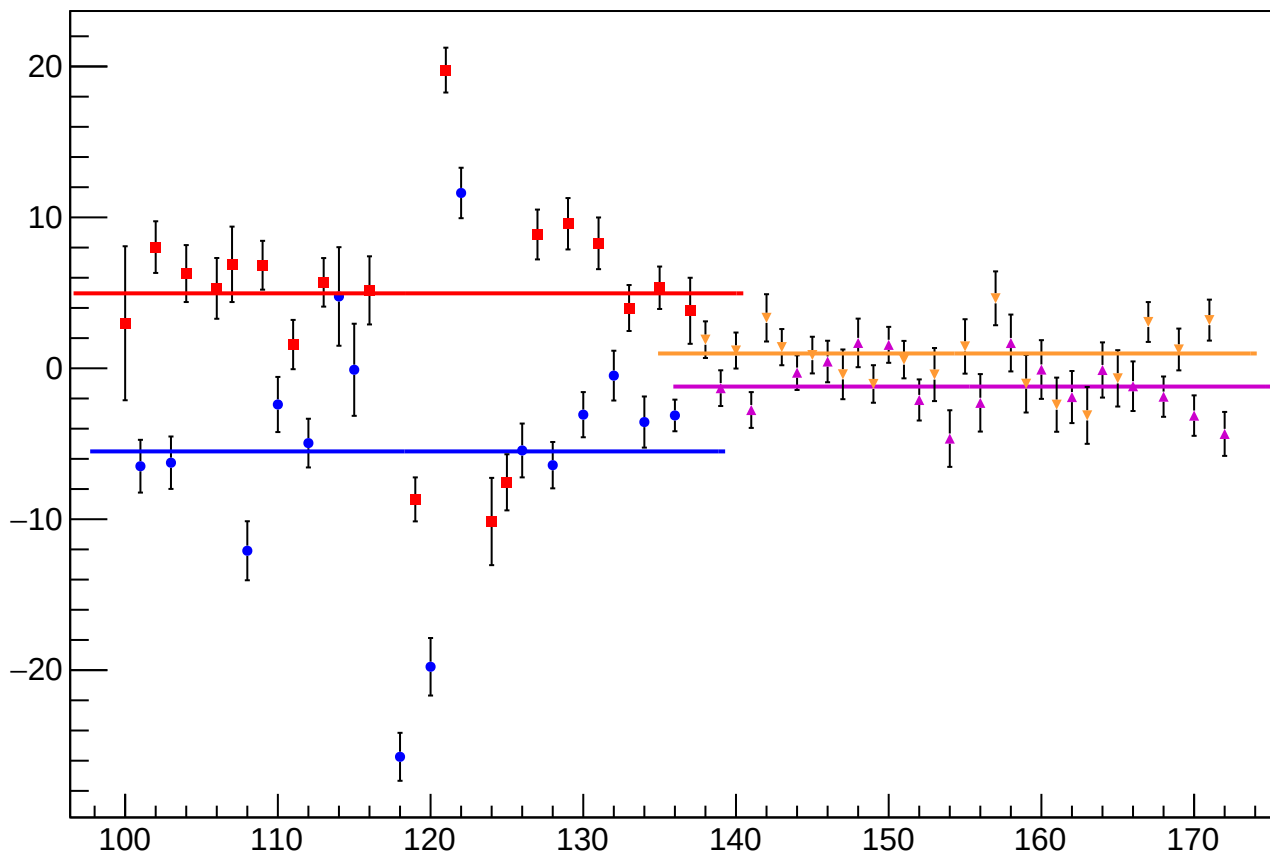
Left In: 8022.339 $\pm$ 1.531 χ^2 /NDF: 287345.0/16

+ sign 8036.863 $\pm$ 1.239 χ^2 /NDF: 567018.1/33

All: 7992.749 $\pm$ 0.872 χ^2 /NDF: 1286189.3/69

- sign 7949.501 $\pm$ 1.227 χ^2 /NDF: 716660.7/35

diff_bpm0l09Y_mean vs Slug



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

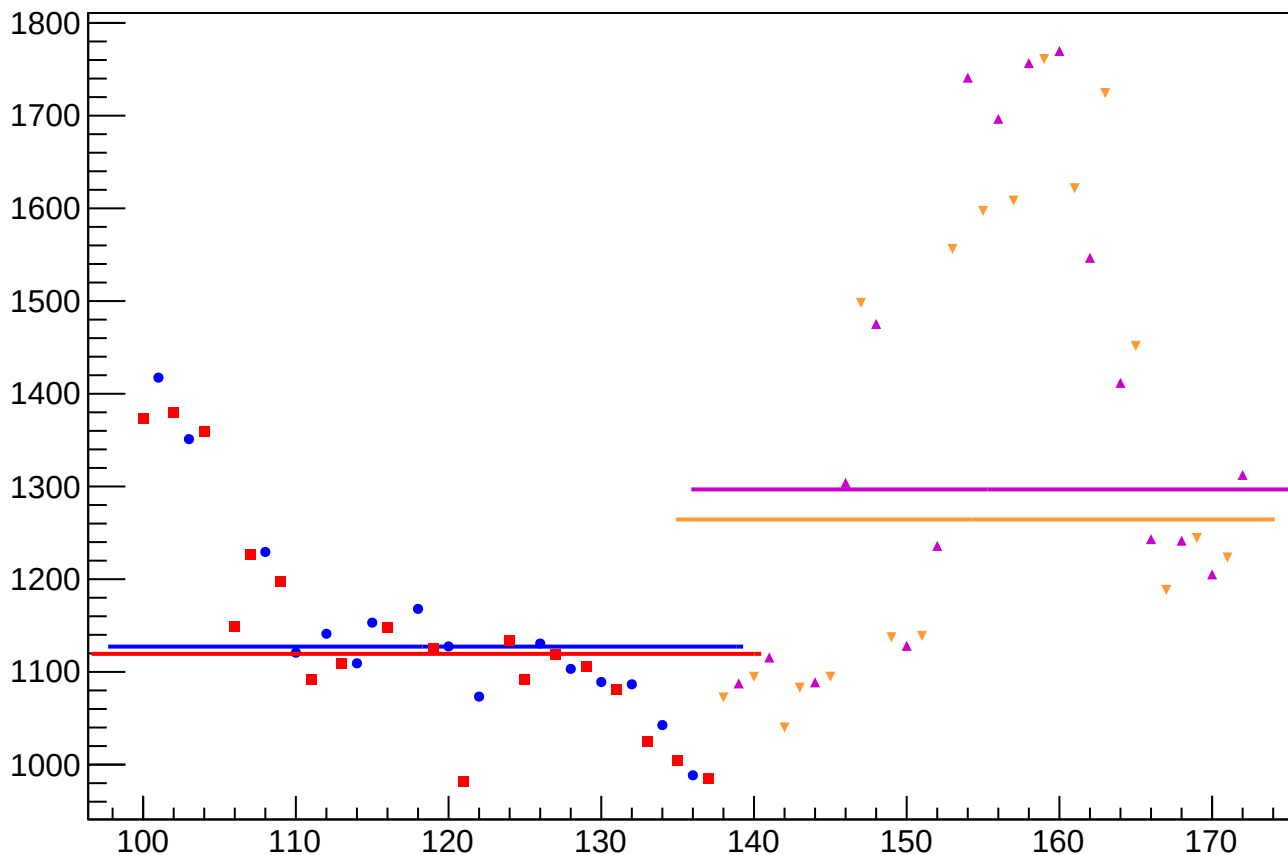
Left In: -1.210 ± 0.353 χ^2/NDF : 26.7/16

+ sign -1.596 ± 0.265 χ^2/NDF : 539.8/33

All: -0.103 ± 0.188 χ^2/NDF : 1048.0/69

- sign 1.415 ± 0.267 χ^2/NDF : 444.3/35

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

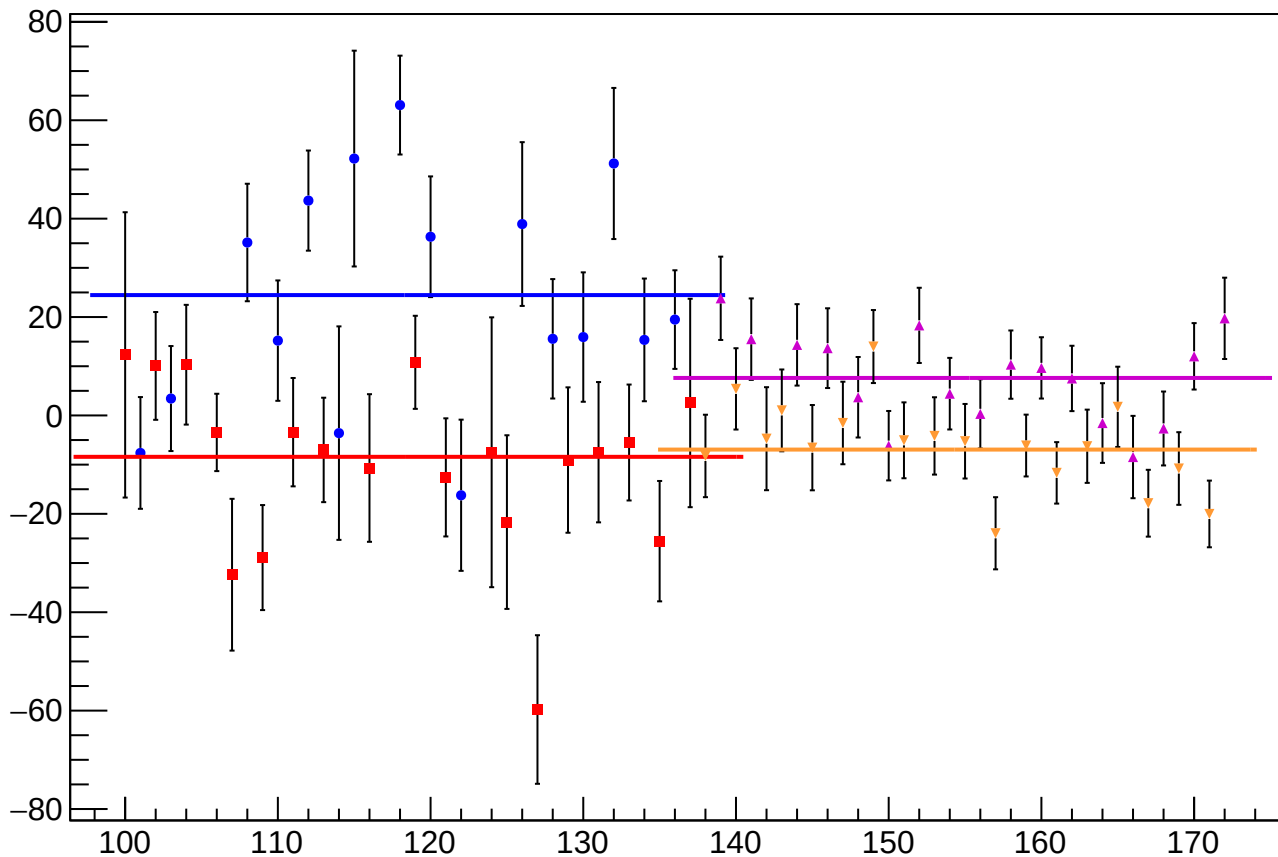
Left In: 1296.818+/-0.249 χ^2/NDF : 746118.9/16

+ sign 1209.913+/-0.188 χ^2/NDF : 1127007.8/33

All: 1215.645+/-0.133 χ^2/NDF : 2230603.7/69

- sign 1221.471+/-0.189 χ^2/NDF : 1101713.6/35

diff_bpm0l10X_mean vs Slug



Right In: 24.463 ± 3.136 $\chi^2/\text{NDF}: 48.3/15$

Left Out: -6.940 ± 1.787 $\chi^2/\text{NDF}: 25.5/17$

Right Out: -8.413 ± 2.891 $\chi^2/\text{NDF}: 31.1/18$

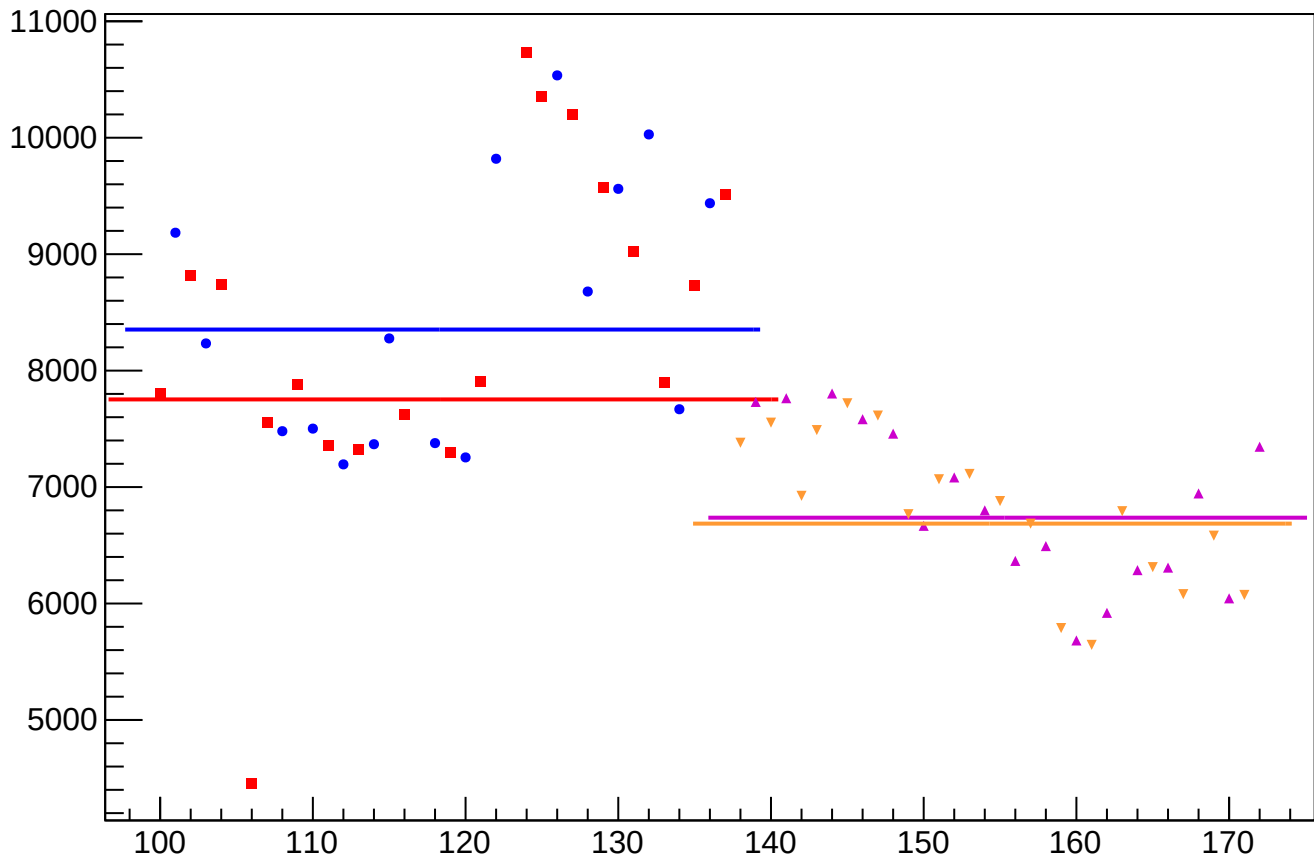
Left In: 7.621 ± 1.818 $\chi^2/\text{NDF}: 22.7/16$

+ sign 0.760 ± 1.553 $\chi^2/\text{NDF}: 149.5/33$

All: 1.929 ± 1.093 $\chi^2/\text{NDF}: 226.6/69$

- sign 3.078 ± 1.539 $\chi^2/\text{NDF}: 75.9/35$

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

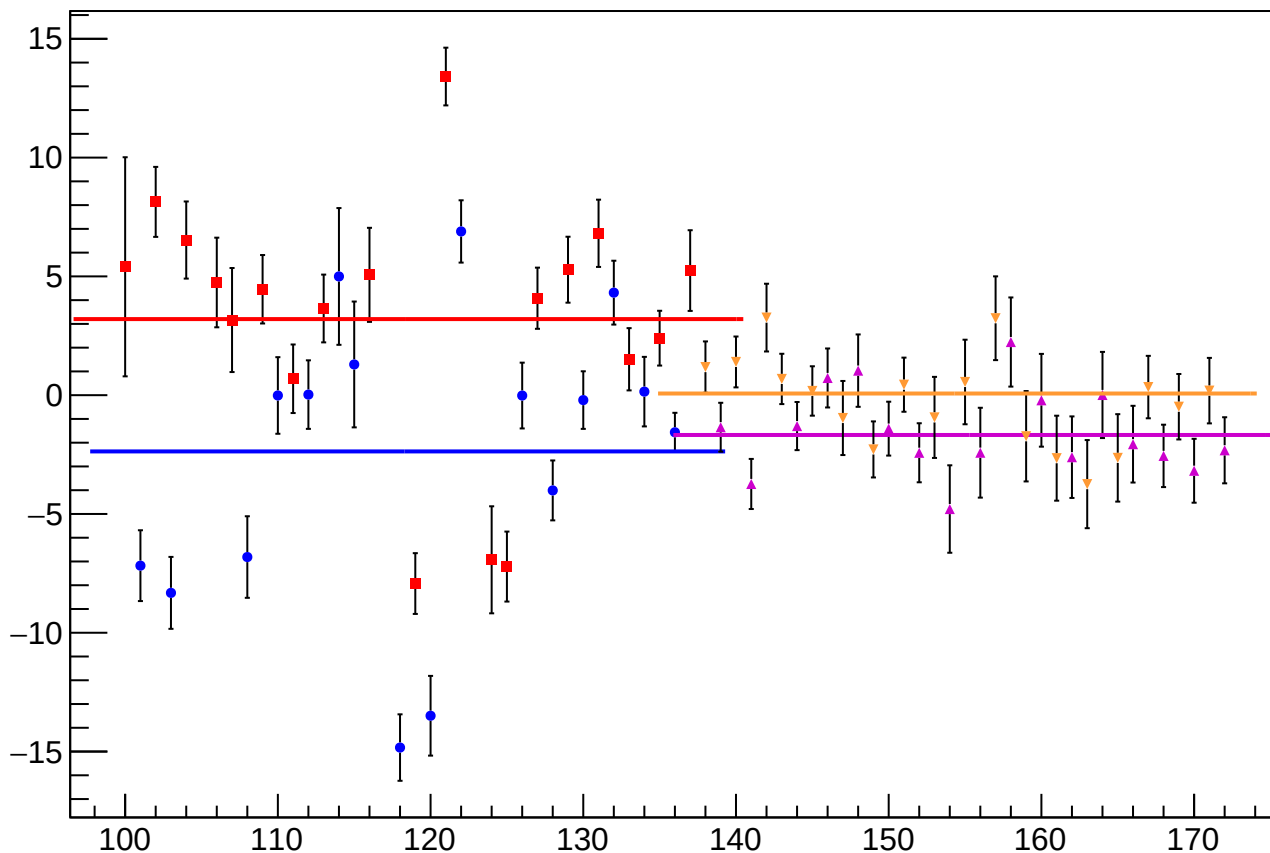
Left In: 6737.030 +/- 1.285 χ^2/NDF : 273717.8/16

+ sign 7094.742 +/- 1.098 χ^2/NDF : 900976.2/33

All: 7059.474 +/- 0.773 χ^2/NDF : 1941709.2/69

- sign 7024.838 +/- 1.088 χ^2/NDF : 1038688.5/35

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

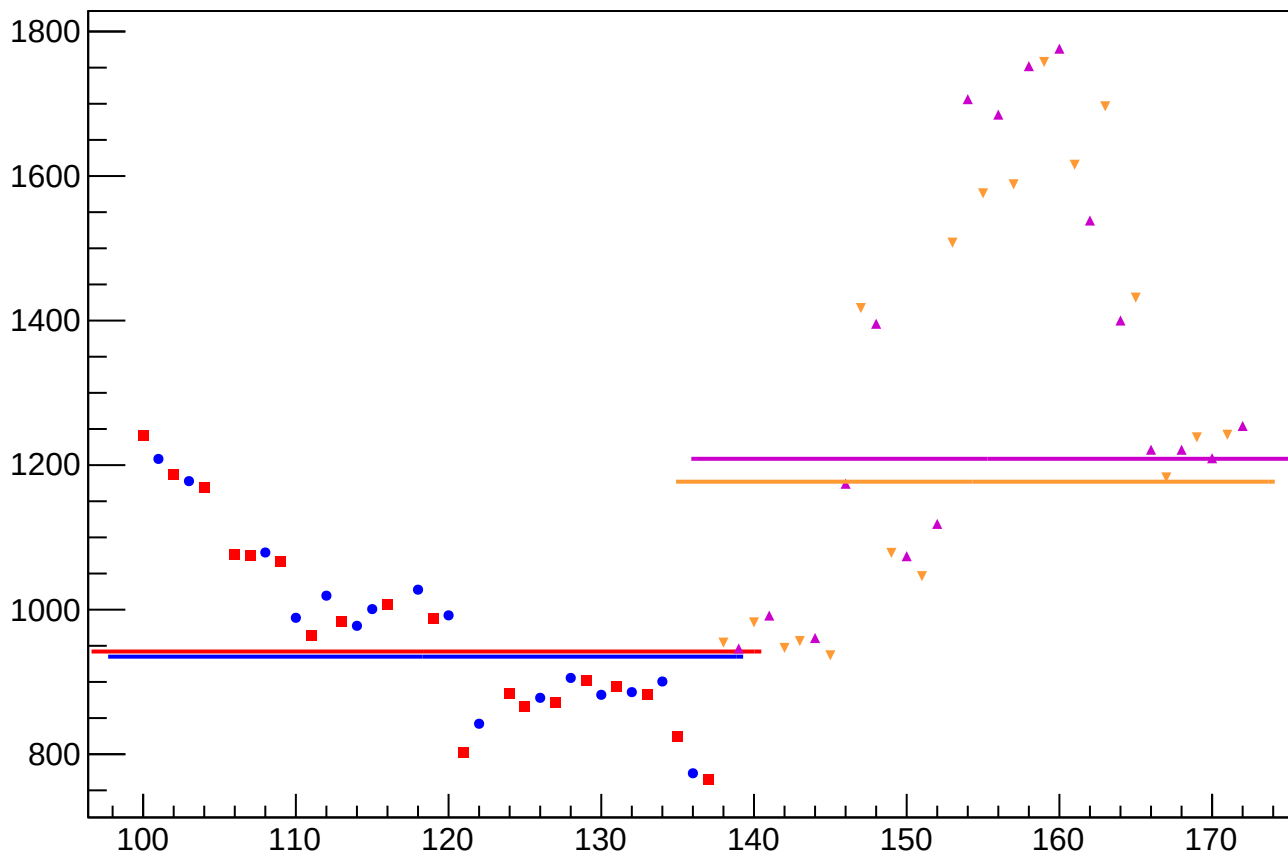
Left In: -1.675 ± 0.331 χ^2/NDF : 22.4/16

+ sign -1.041 ± 0.237 χ^2/NDF : 307.9/33

All: -0.203 ± 0.168 χ^2/NDF : 709.8/69

- sign 0.654 ± 0.239 χ^2/NDF : 376.6/35

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

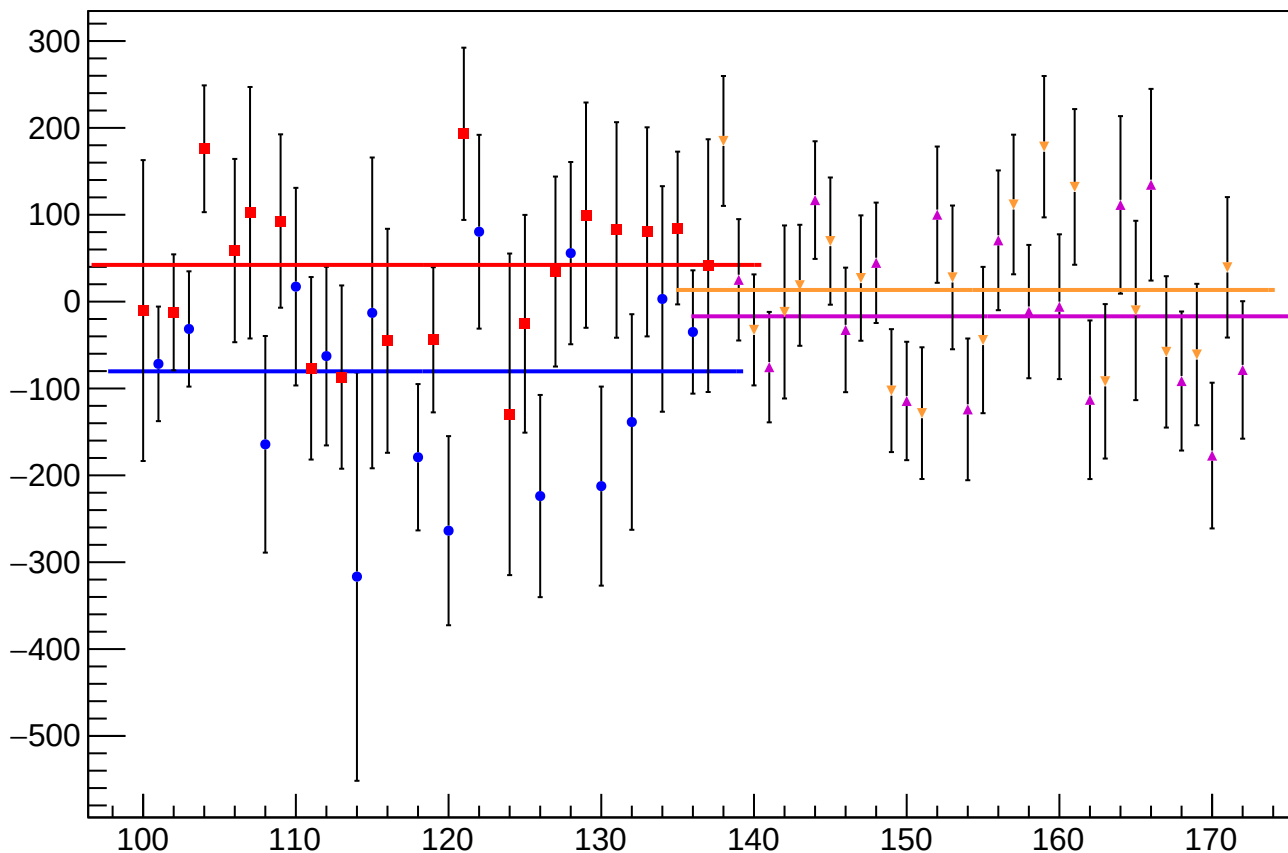
Left In: 1208.743 ± 0.234 χ^2/NDF : 1113076.5/16

+ sign 1066.763 ± 0.167 χ^2/NDF : 2053449.8/33

All: 1074.005 ± 0.119 χ^2/NDF : 4022089.2/69

- sign 1081.418 ± 0.169 χ^2/NDF : 1964846.8/35

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

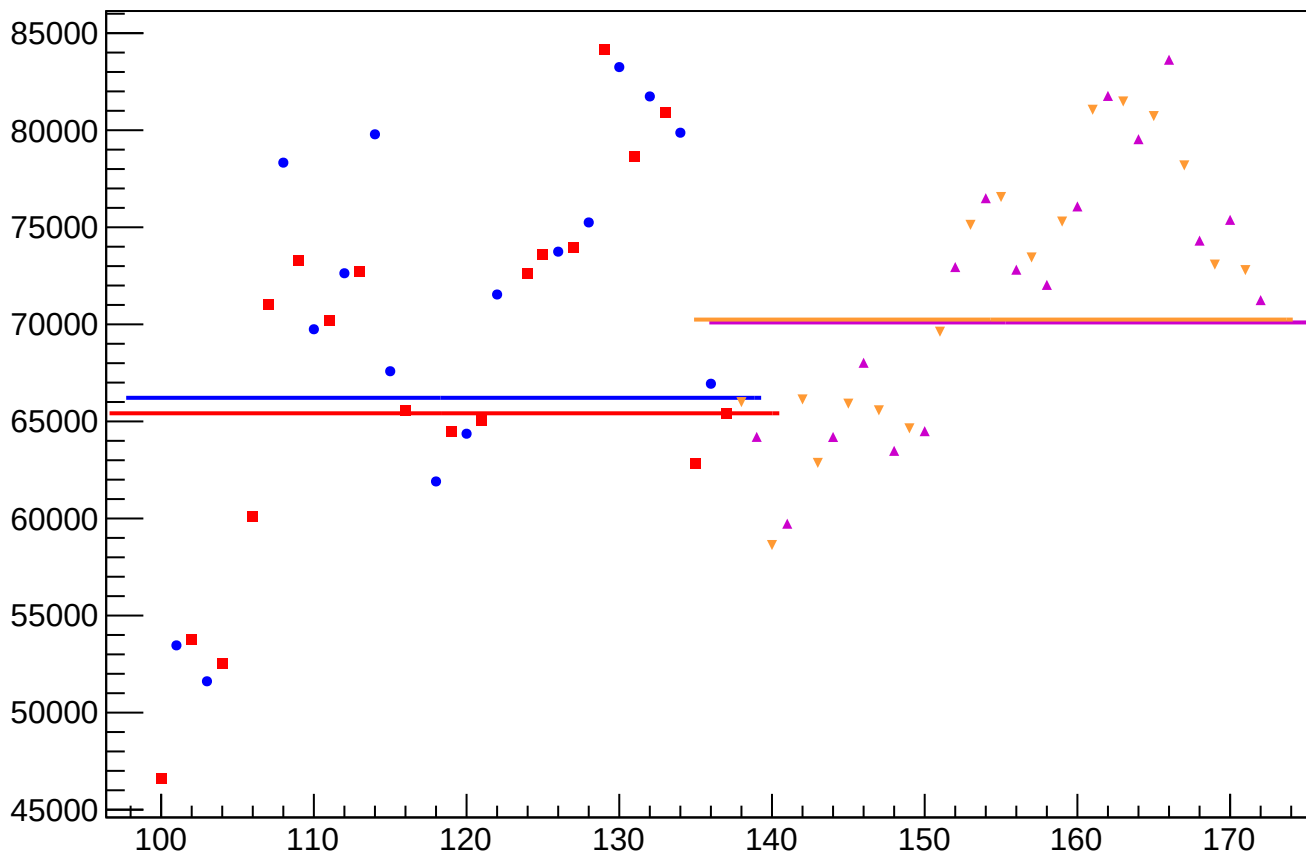
Left In: -16.917 ± 18.813 χ^2/NDF : 22.8/16

+ sign -20.364 ± 14.961 χ^2/NDF : 47.4/33

All: -7.357 ± 10.536 χ^2/NDF : 88.5/69

- sign 5.440 ± 14.840 χ^2/NDF : 39.6/35

diff_bpm0r03X_rms vs Slug



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

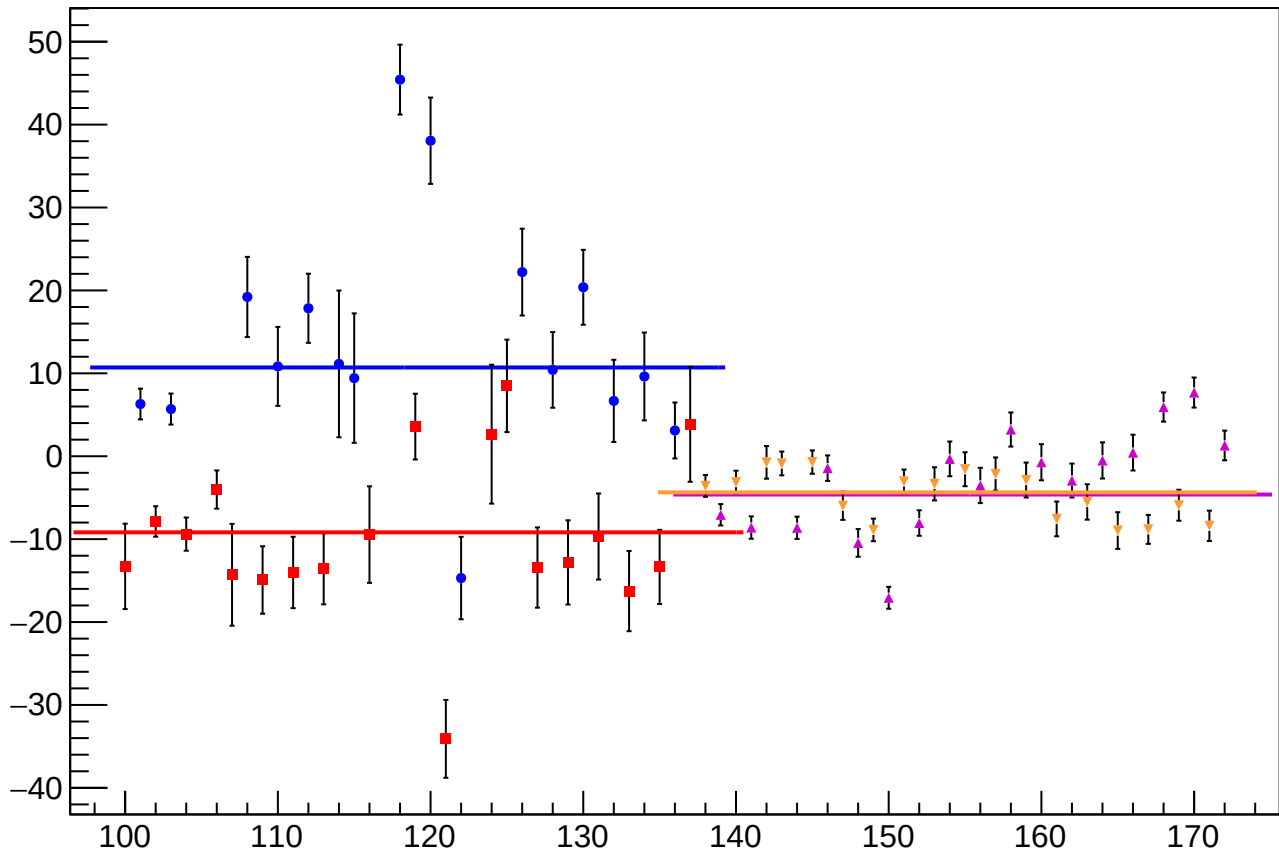
Left In: 70097.789+/-13.303 χ^2/NDF : 238512.5/16

+ sign 68792.193+/-10.579 χ^2/NDF : 630024.4/33

All: 68559.244+/-7.450 χ^2/NDF : 1220794.9/6

- sign 68330.041+/-10.494 χ^2/NDF : 589808.5/35

diff_bpm0r03Y_mean vs Slug



Right In: 10.705 $\pm$ 0.921 χ^2 /NDF: 155.6/15

Left Out: -4.364 $\pm$ 0.400 χ^2 /NDF: 52.8/17

Right Out: -9.182 $\pm$ 0.850 χ^2 /NDF: 69.6/18

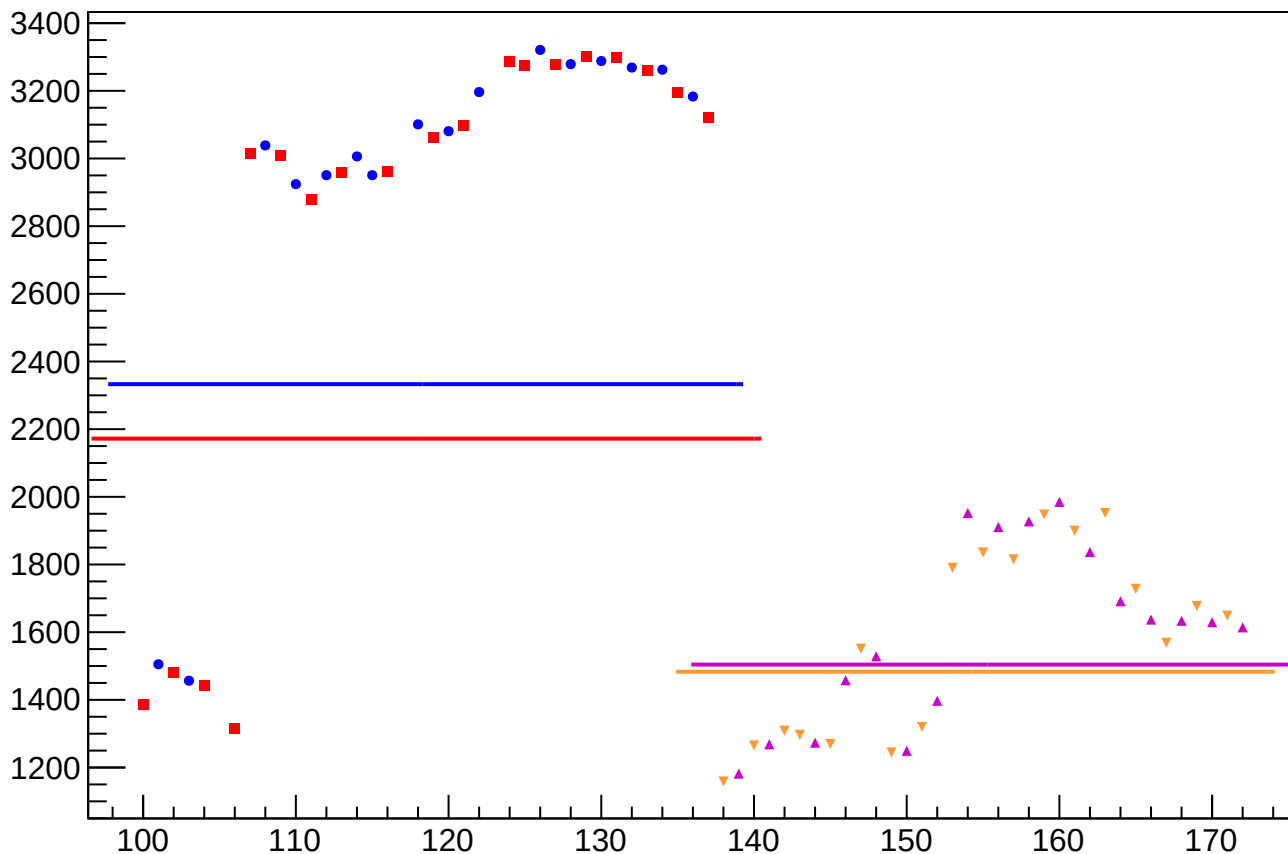
Left In: -4.620 $\pm$ 0.409 χ^2 /NDF: 256.8/16

+ sign -1.970 $\pm$ 0.367 χ^2 /NDF: 433.7/33

All: -3.716 $\pm$ 0.260 χ^2 /NDF: 829.0/69

- sign -5.476 $\pm$ 0.368 χ^2 /NDF: 349.8/35

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

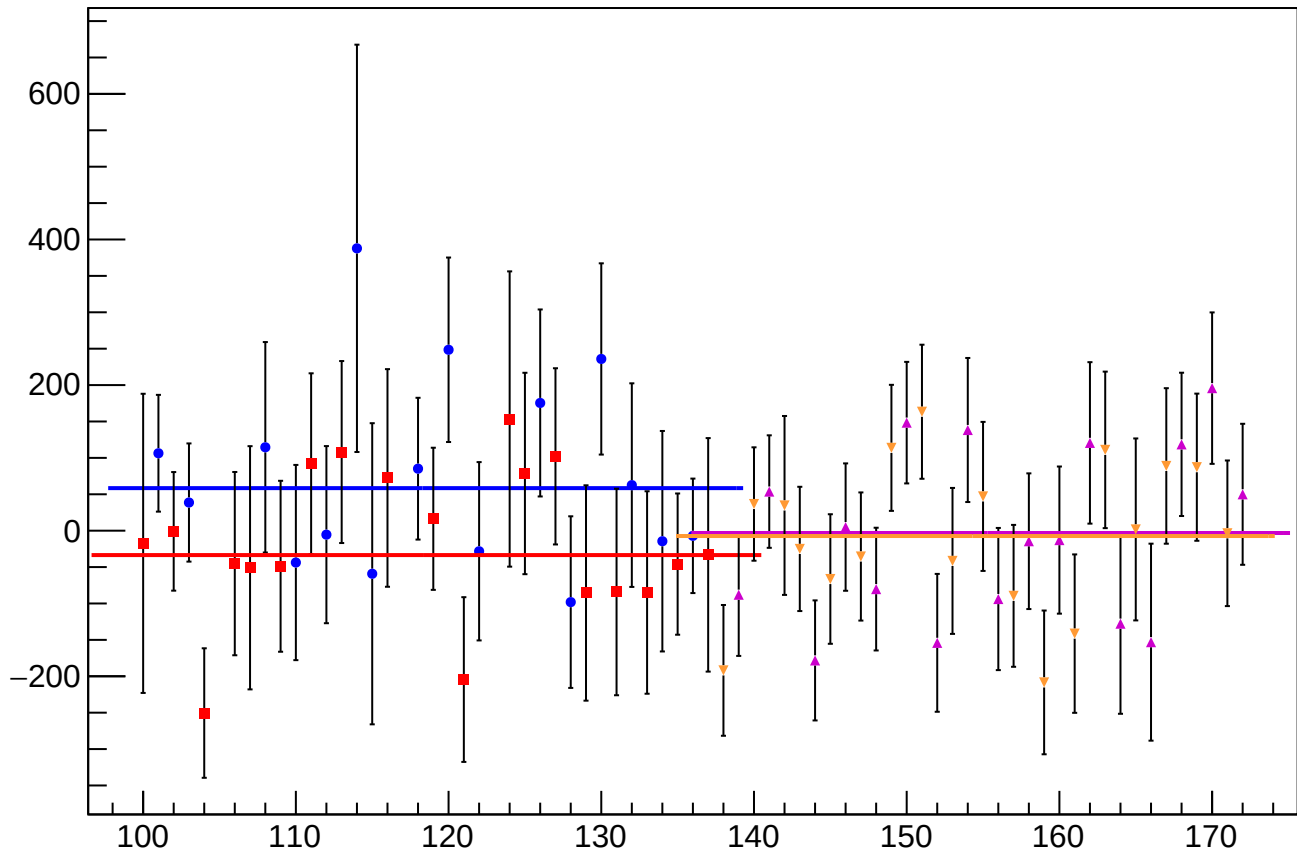
Left In: 1504.256+/-0.289 χ^2/NDF : 781712.4/16

+ sign 1618.106+/-0.259 χ^2/NDF : 3945298.5/33

All: 1623.837+/-0.184 χ^2/NDF : 7714571.8/69

- sign 1629.613+/-0.260 χ^2/NDF : 3768293.7/35

diff_bpm0r05X_mean vs Slug



Right In: 58.446 $\pm$ 28.918 χ^2 /NDF: 11.3/15

Left Out: -7.338 $\pm$ 22.807 χ^2 /NDF: 20.3/17

Right Out: -33.520 $\pm$ 28.106 χ^2 /NDF: 14.7/18

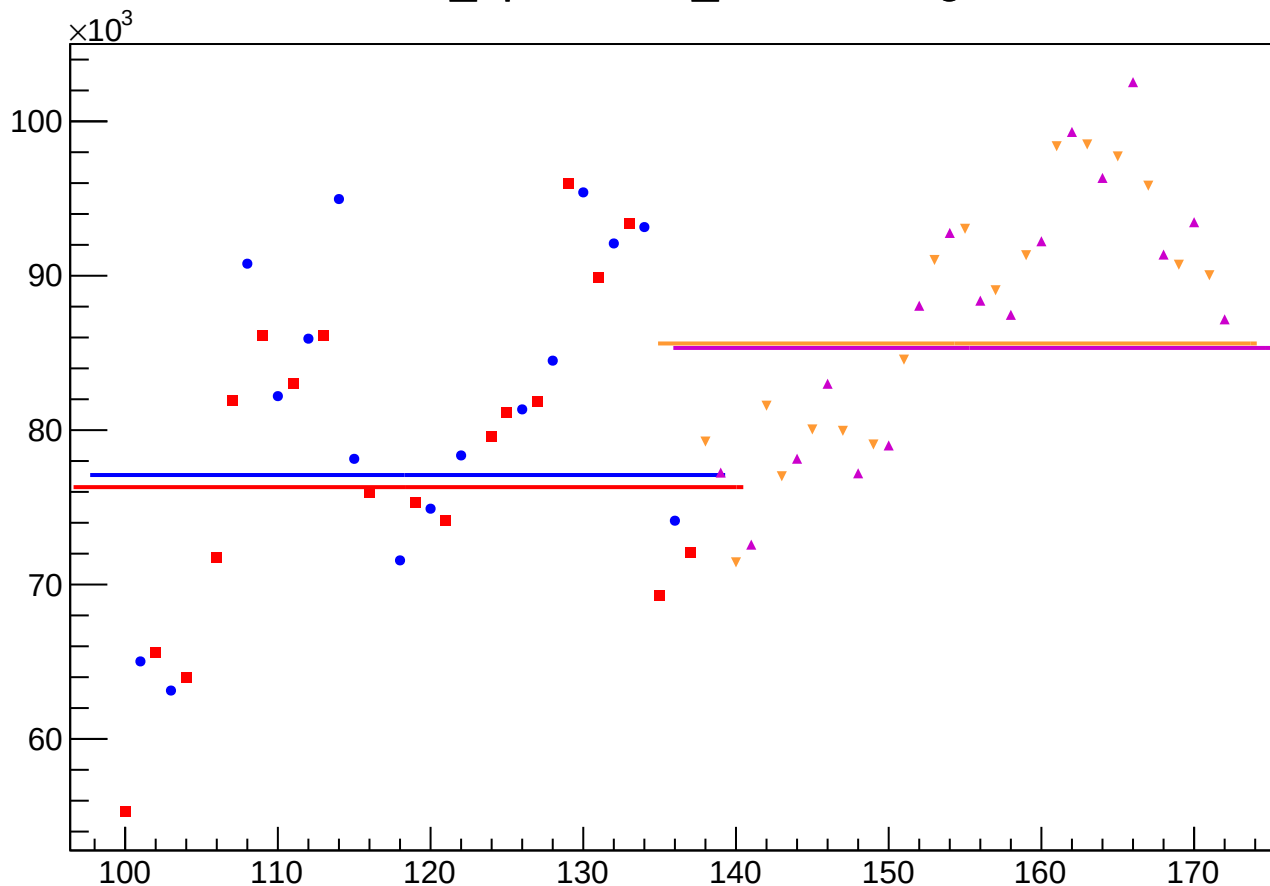
Left In: -3.190 $\pm$ 22.906 χ^2 /NDF: 24.7/16

+ sign 17.890 $\pm$ 17.908 χ^2 /NDF: 34.8/33

All: 1.156 $\pm$ 12.609 χ^2 /NDF: 76.6/69

- sign -15.296 $\pm$ 17.756 χ^2 /NDF: 40.0/35

diff_bpm0r05X_rms vs Slug



Right In: 77093.125 $\pm$ 20.448 χ^2 /NDF: 248542.7/15

Left Out: 85612.795 $\pm$ 16.127 χ^2 /NDF: 254491.8/17

Right Out: 76308.708 $\pm$ 19.874 χ^2 /NDF: 234433.2/18

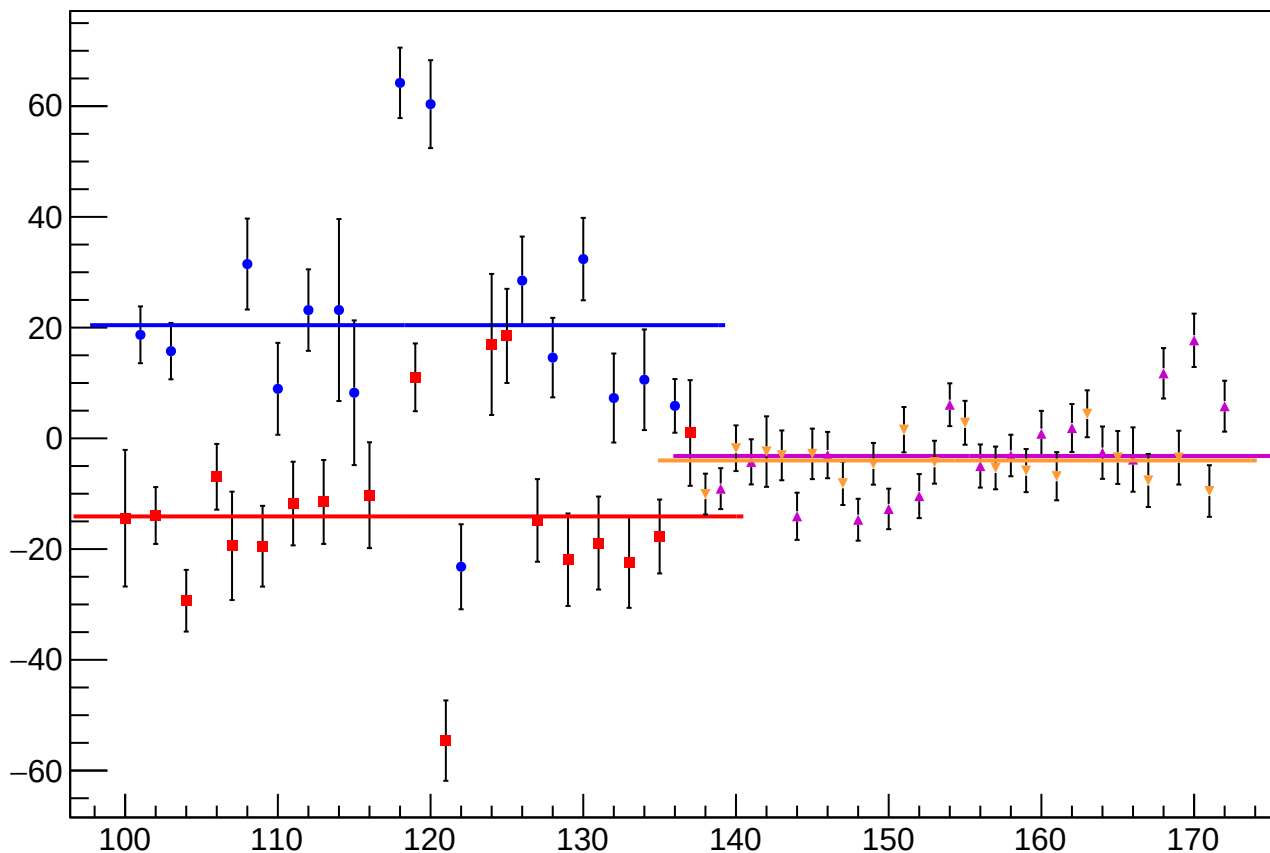
Left In: 85323.686 $\pm$ 16.197 χ^2 /NDF: 245273.0/16

+ sign 82345.535 $\pm$ 12.663 χ^2 /NDF: 610060.0/33

All: 82032.943 $\pm$ 8.916 χ^2 /NDF: 1214615.5/6

- sign 81725.630 $\pm$ 12.555 χ^2 /NDF: 603347.0/35

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

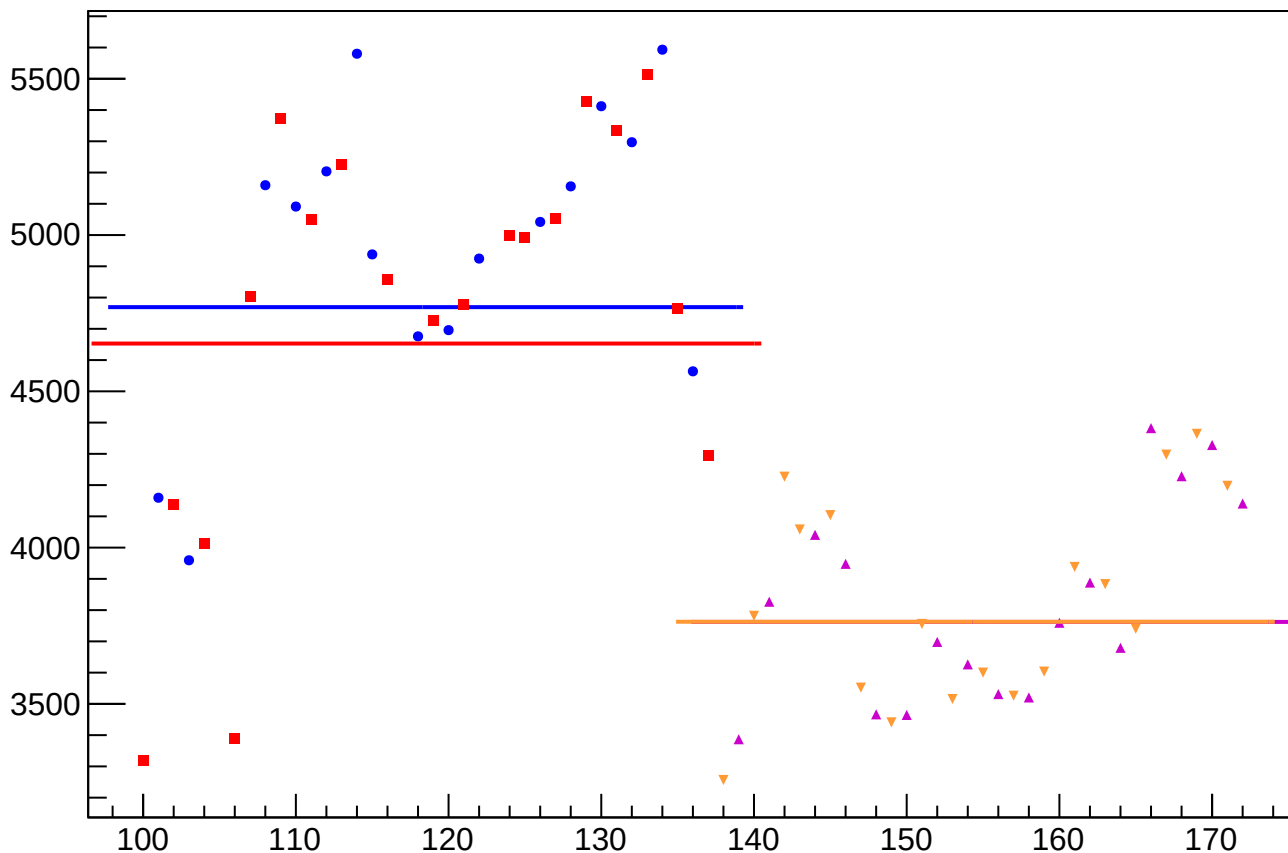
Left In: -3.182 ± 1.009 χ^2/NDF : 70.2/16

+ sign 1.868 ± 0.873 χ^2/NDF : 286.6/33

All: -2.078 ± 0.616 χ^2/NDF : 511.5/69

- sign -5.995 ± 0.870 χ^2/NDF : 184.1/35

diff_bpm0r05Y_rms vs Slug



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

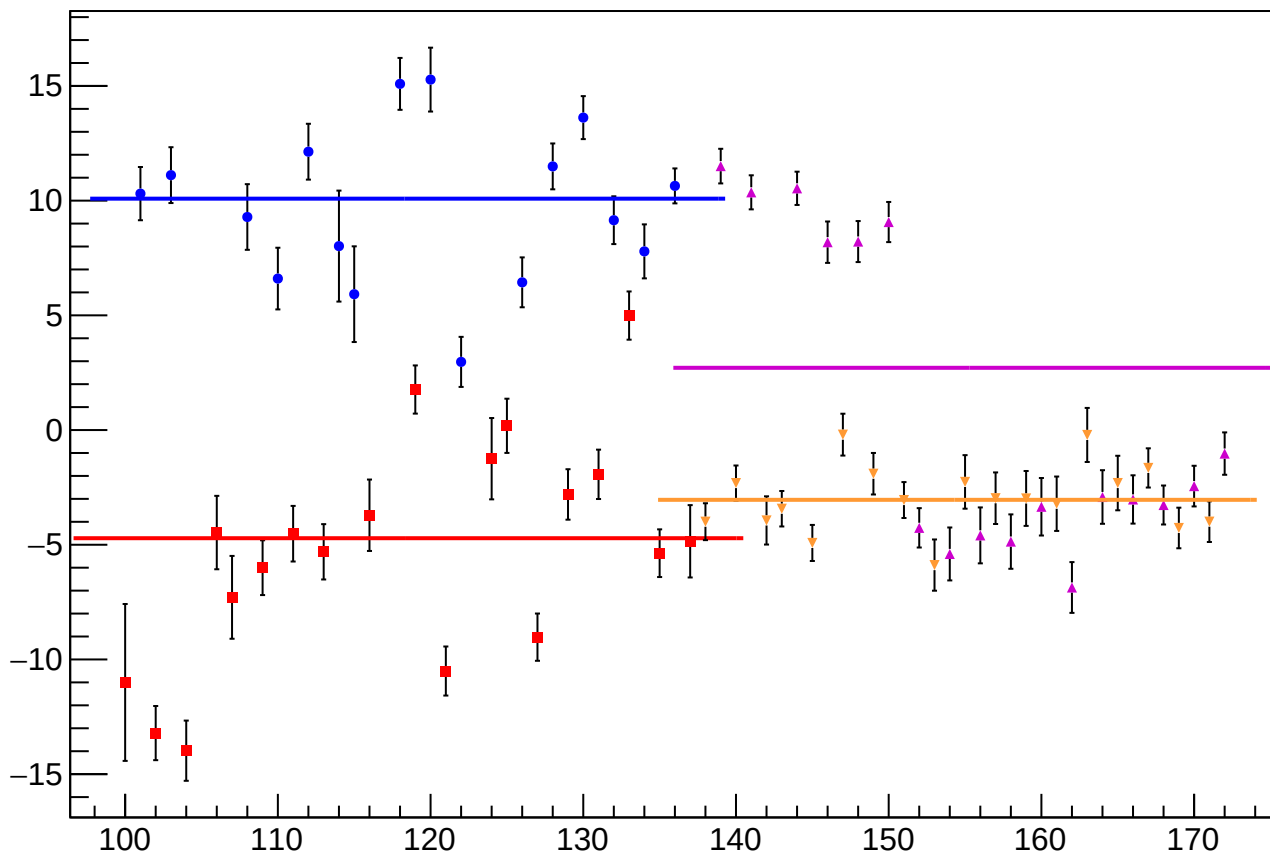
Left In: 3762.231+/-0.714 χ^2/NDF : 164500.9/16

+ sign 4004.267+/-0.617 χ^2/NDF : 825538.3/33

All: 3997.915+/-0.436 χ^2/NDF : 1656563.7/69

- sign 3991.610+/-0.615 χ^2/NDF : 830814.3/35

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

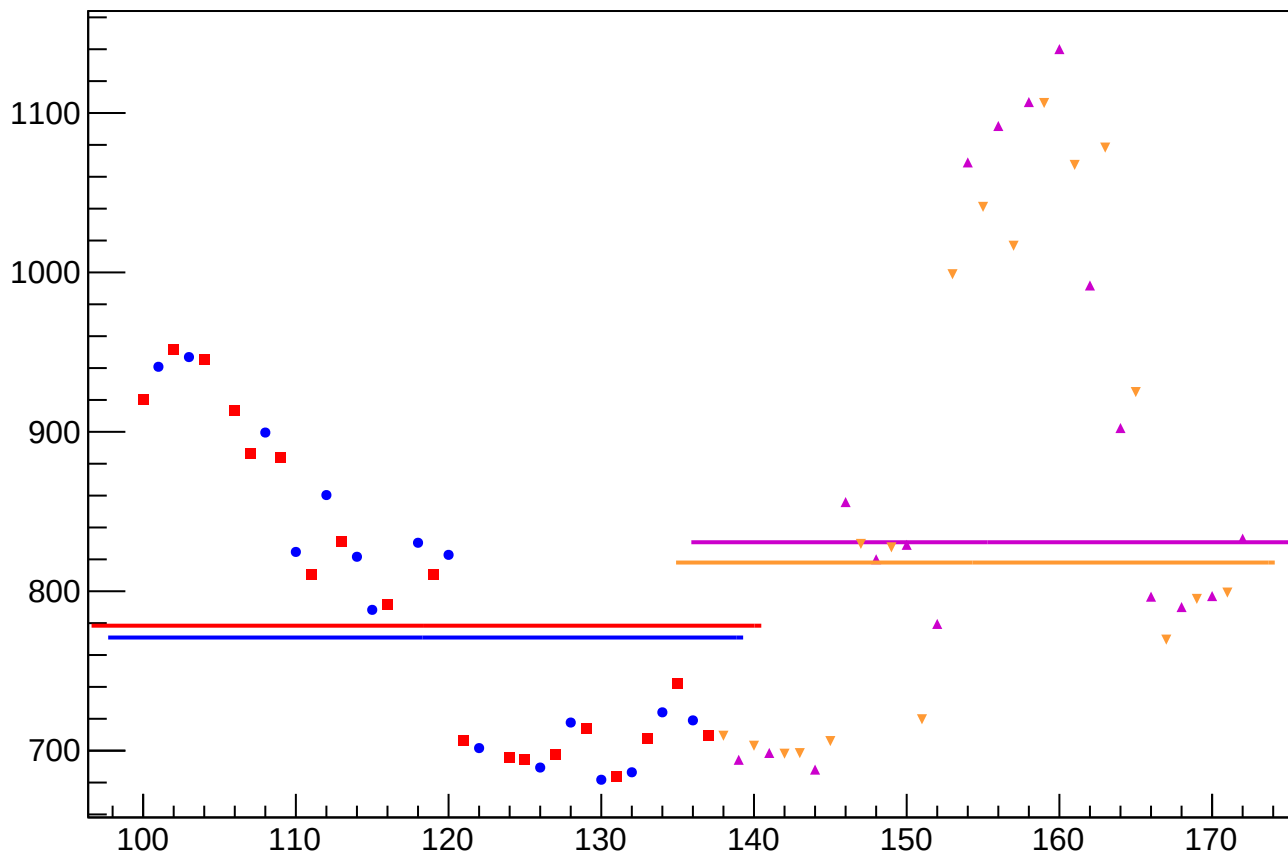
Left In: 2.713 ± 0.225 χ^2/NDF : 928.9/16

+ sign 1.799 ± 0.175 χ^2/NDF : 1471.4/33

All: 0.841 ± 0.124 χ^2/NDF : 3187.4/69

- sign -0.137 ± 0.177 χ^2/NDF : 1655.6/35

diff_bpm2i01X_rms vs Slug



Right In: 770.973 $\pm$ 0.204 χ^2 /NDF: 192911.9/15

Left Out: 818.012 $\pm$ 0.156 χ^2 /NDF: 743188.9/17

Right Out: 778.394 $\pm$ 0.202 χ^2 /NDF: 196544.2/18

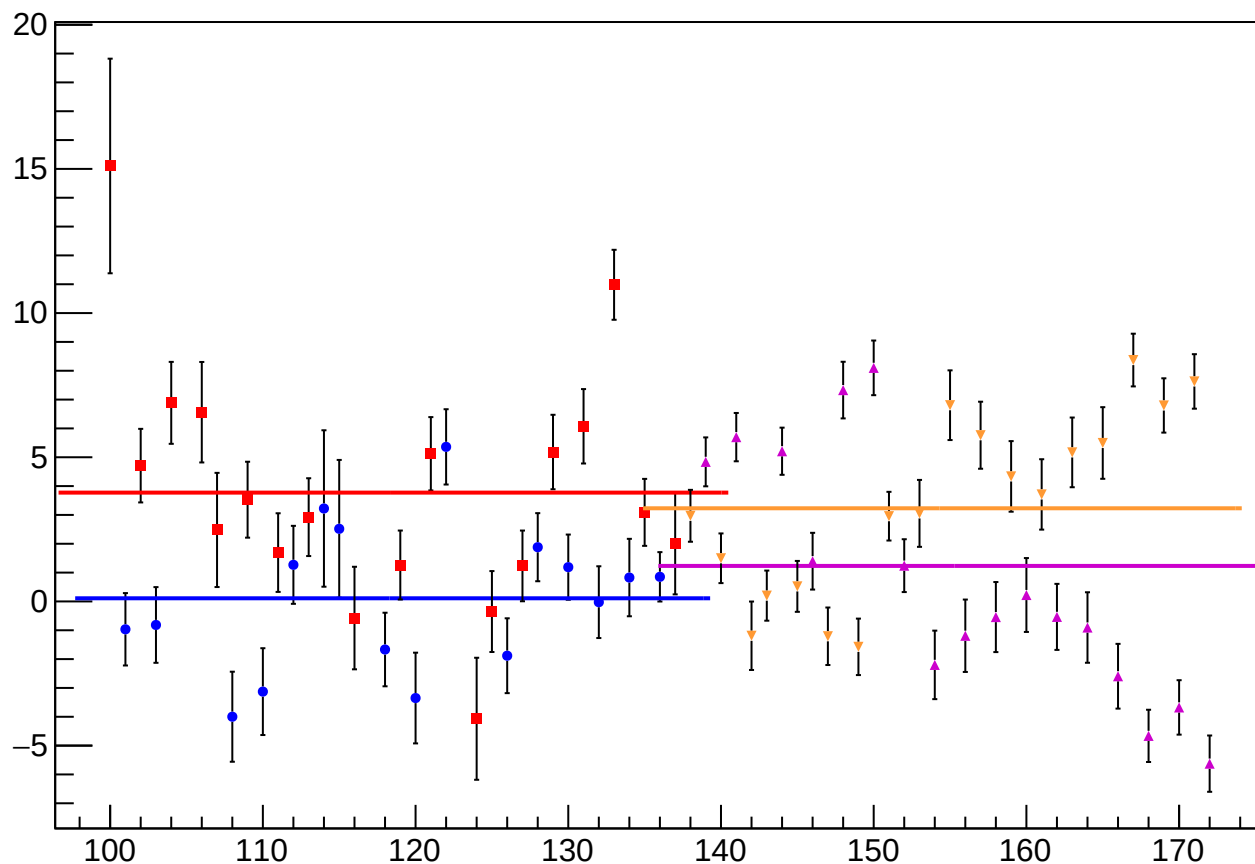
Left In: 830.743 $\pm$ 0.159 χ^2 /NDF: 681914.7/16

+ sign 800.667 $\pm$ 0.124 χ^2 /NDF: 969692.9/33

All: 805.607 $\pm$ 0.088 χ^2 /NDF: 1892732.8/69

- sign 810.655 $\pm$ 0.125 χ^2 /NDF: 919821.6/35

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

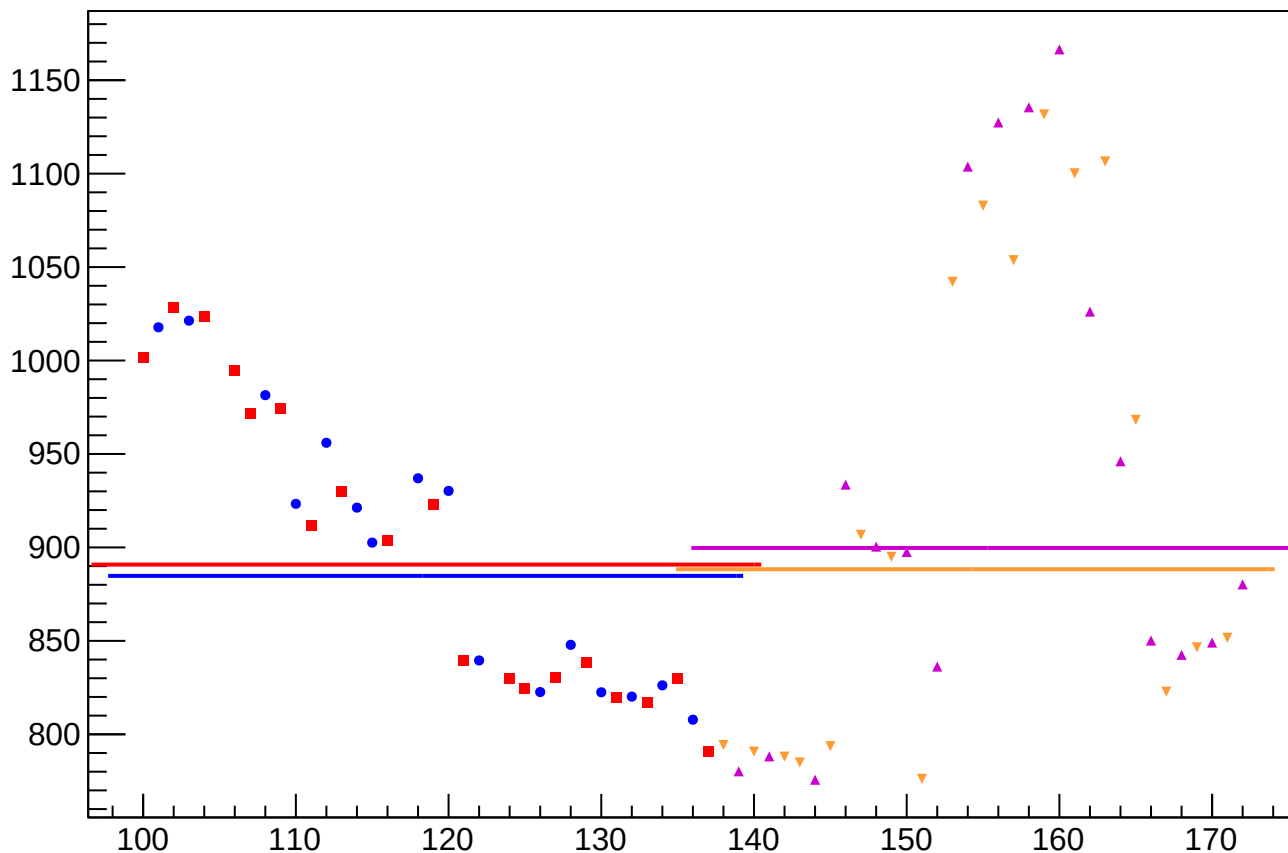
Left In: 1.232 ± 0.243 χ^2/NDF : 311.9/16

+ sign 2.161 ± 0.193 χ^2/NDF : 275.8/33

All: 2.150 ± 0.137 χ^2/NDF : 726.4/69

- sign 2.140 ± 0.195 χ^2/NDF : 450.5/35

diff_bpm2i01Y_rms vs Slug



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

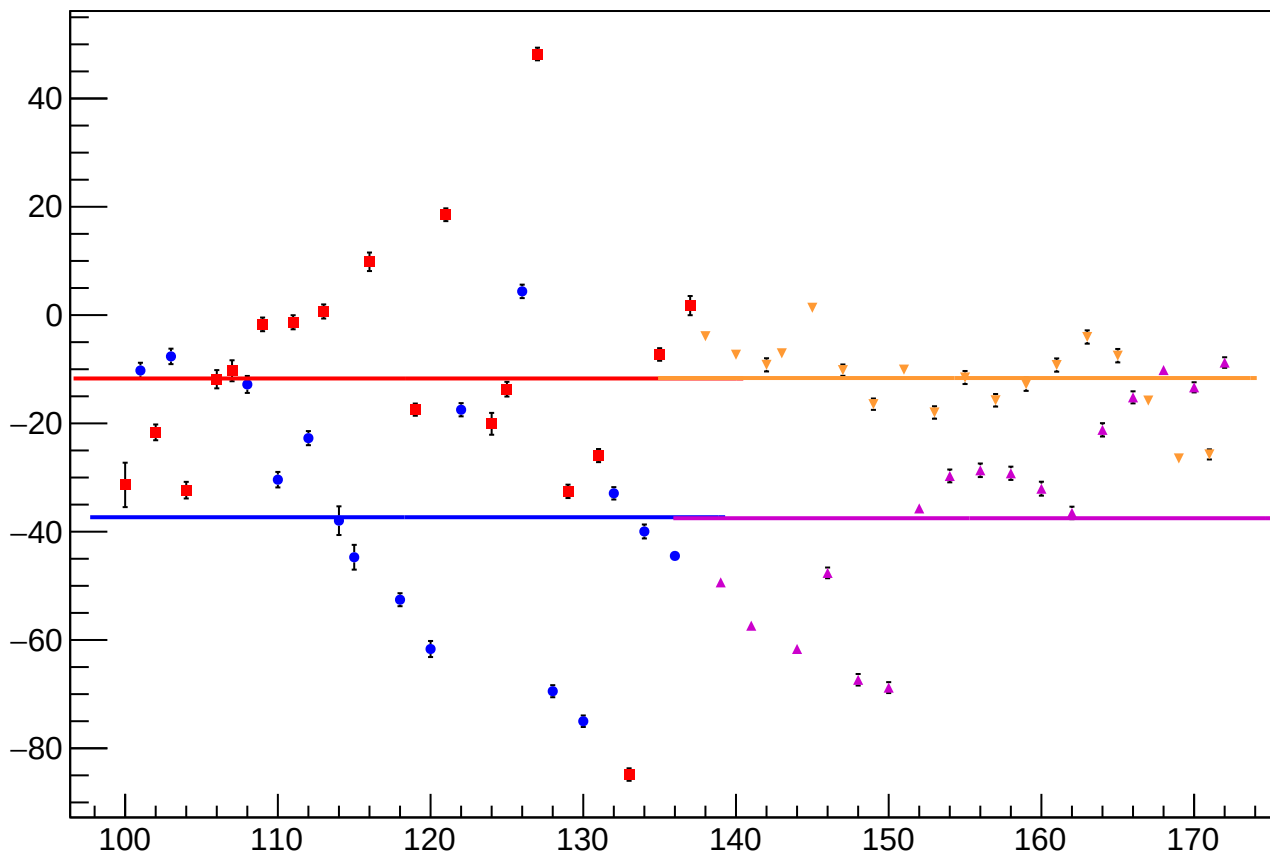
Left In: 899.717+/-0.172 χ^2/NDF : 465707.0/16

+ sign 887.108+/-0.137 χ^2/NDF : 611280.9/33

All: 891.780+/-0.097 χ^2/NDF : 1188073.6/69

- sign 896.538+/-0.138 χ^2/NDF : 574429.0/35

diff_bpm2i02X_mean vs Slug



Right In: -37.330 ± 0.322 $\chi^2/\text{NDF}: 5184.7/15$

Left Out: -11.625 ± 0.241 $\chi^2/\text{NDF}: 958.0/17$

Right Out: -11.706 ± 0.318 $\chi^2/\text{NDF}: 8463.6/18$

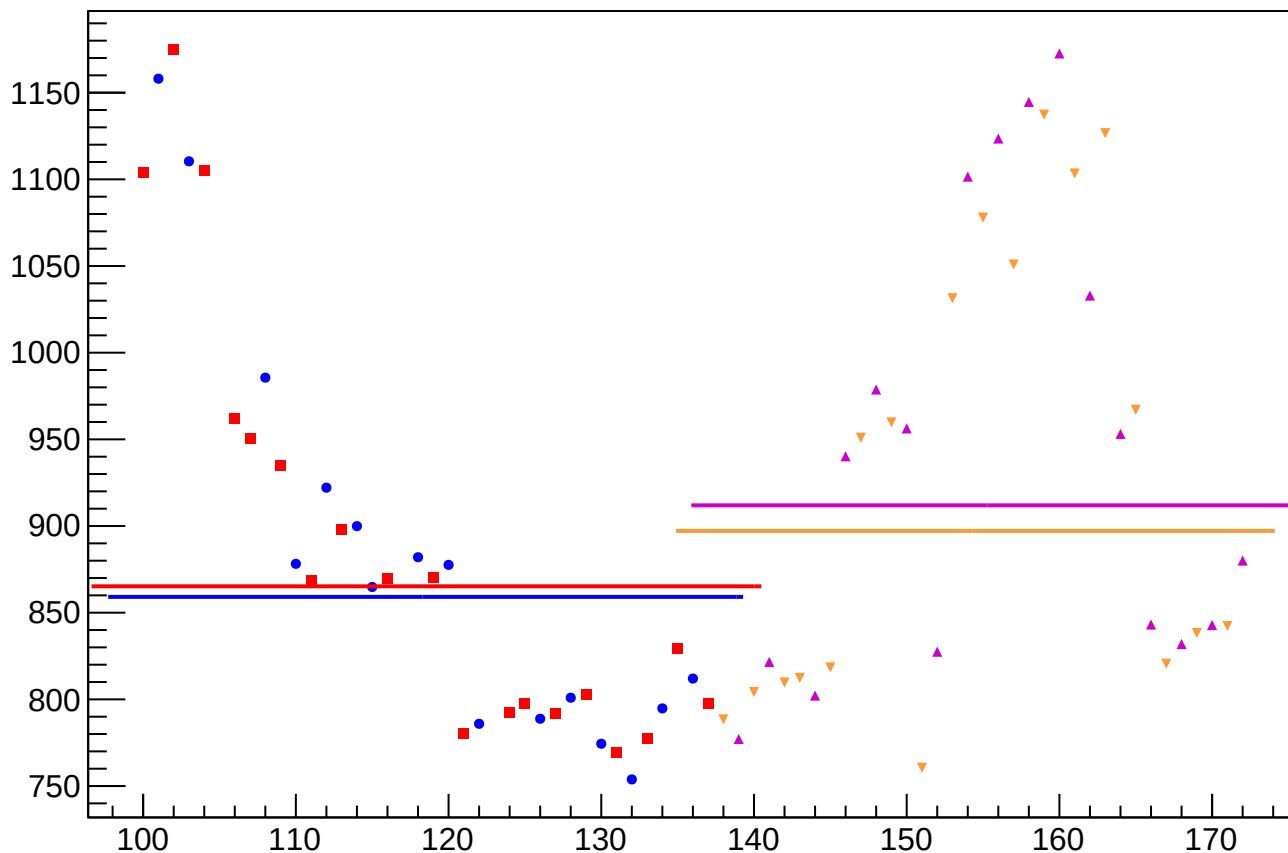
Left In: -37.514 ± 0.246 $\chi^2/\text{NDF}: 6580.6/16$

+ sign -20.842 ± 0.193 $\chi^2/\text{NDF}: 10237.0/33$

All: -24.299 ± 0.137 $\chi^2/\text{NDF}: 30049.0/69$

- sign -27.830 ± 0.195 $\chi^2/\text{NDF}: 19161.4/35$

diff_bpm2i02X_rms vs Slug



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

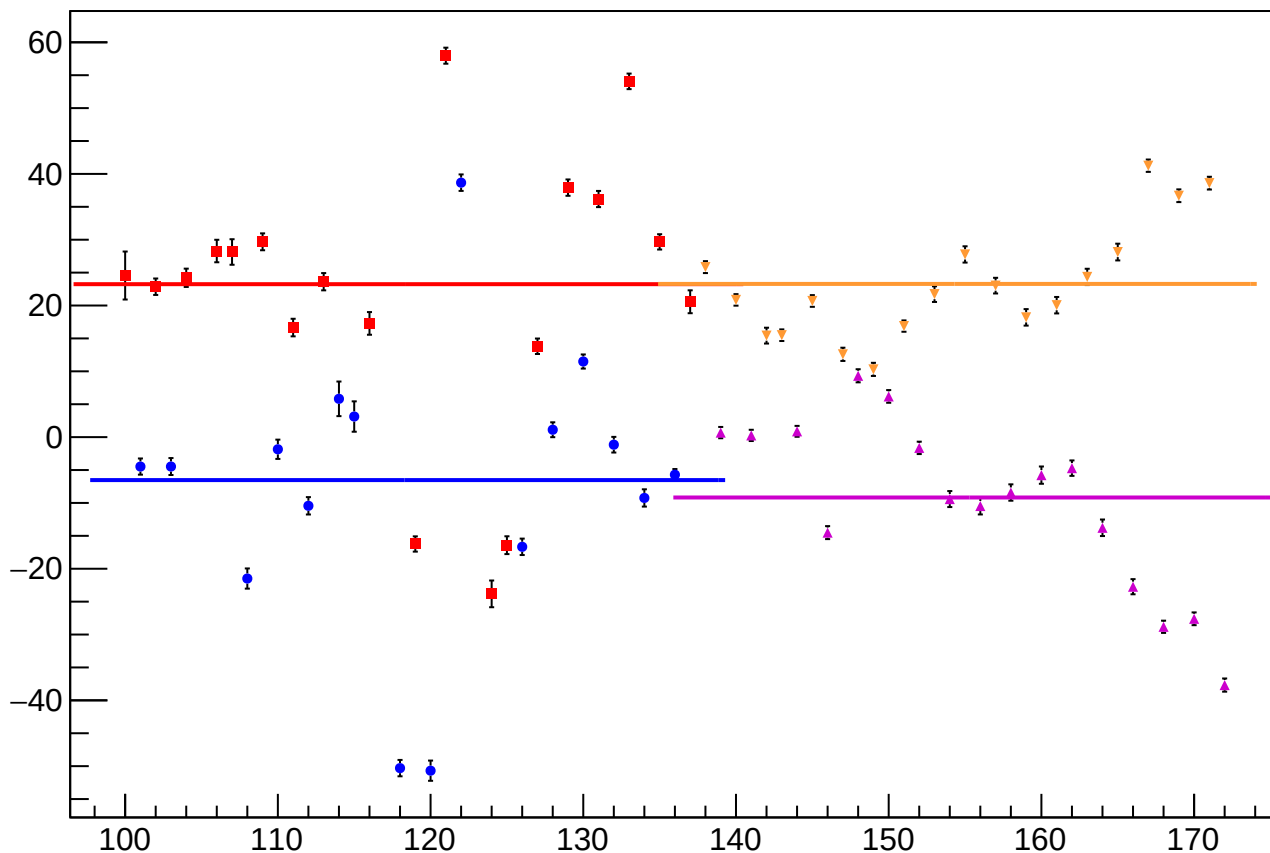
Left In: 911.922+/-0.174 χ^2/NDF : 459681.9/16

+ sign 883.529+/-0.136 χ^2/NDF : 753985.0/33

All: 888.904+/-0.097 χ^2/NDF : 1467454.8/69

- sign 894.395+/-0.138 χ^2/NDF : 710323.3/35

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

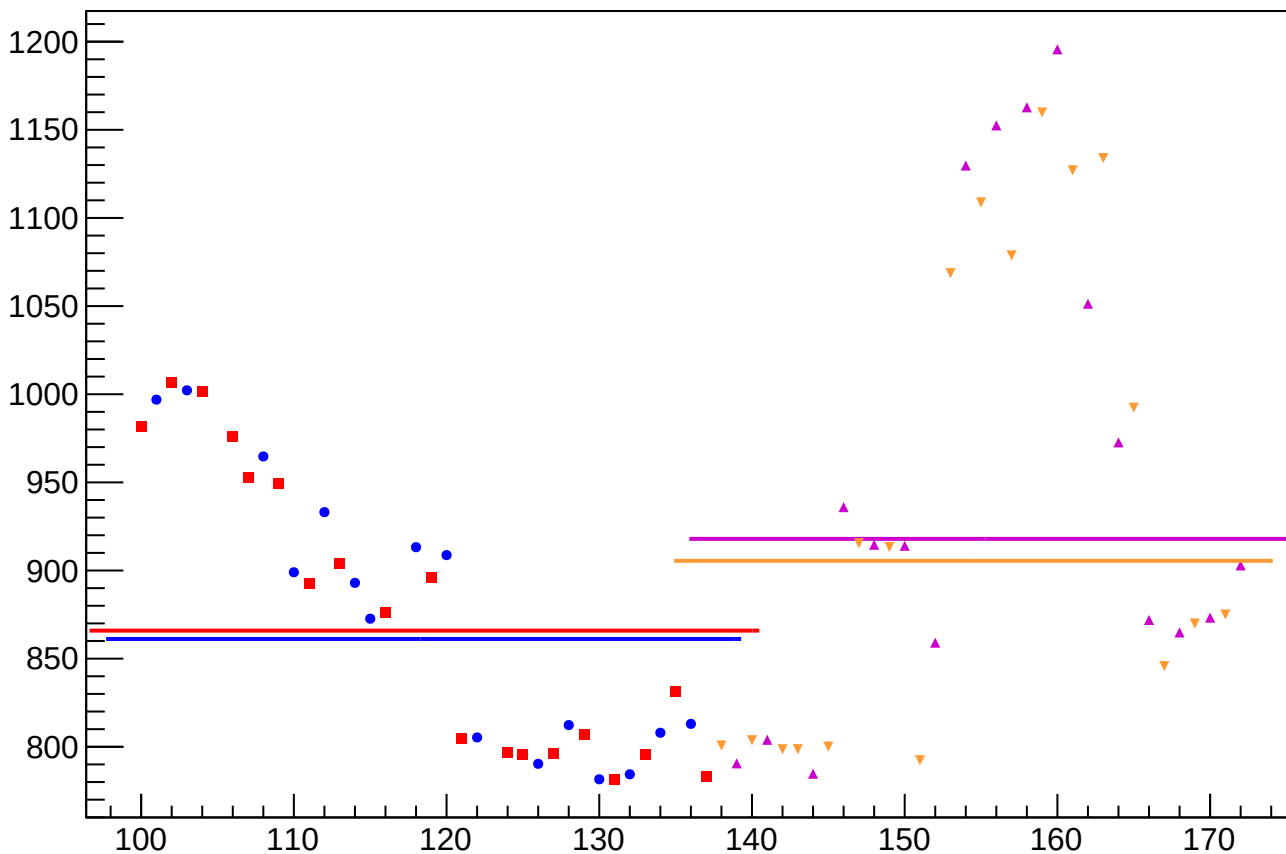
Left In: -9.173 ± 0.248 χ^2/NDF : 2884.1/16

+ sign 12.442 ± 0.194 χ^2/NDF : 10769.1/33

All: 7.826 ± 0.138 χ^2/NDF : 25755.4/69

- sign 3.132 ± 0.195 χ^2/NDF : 13840.9/35

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

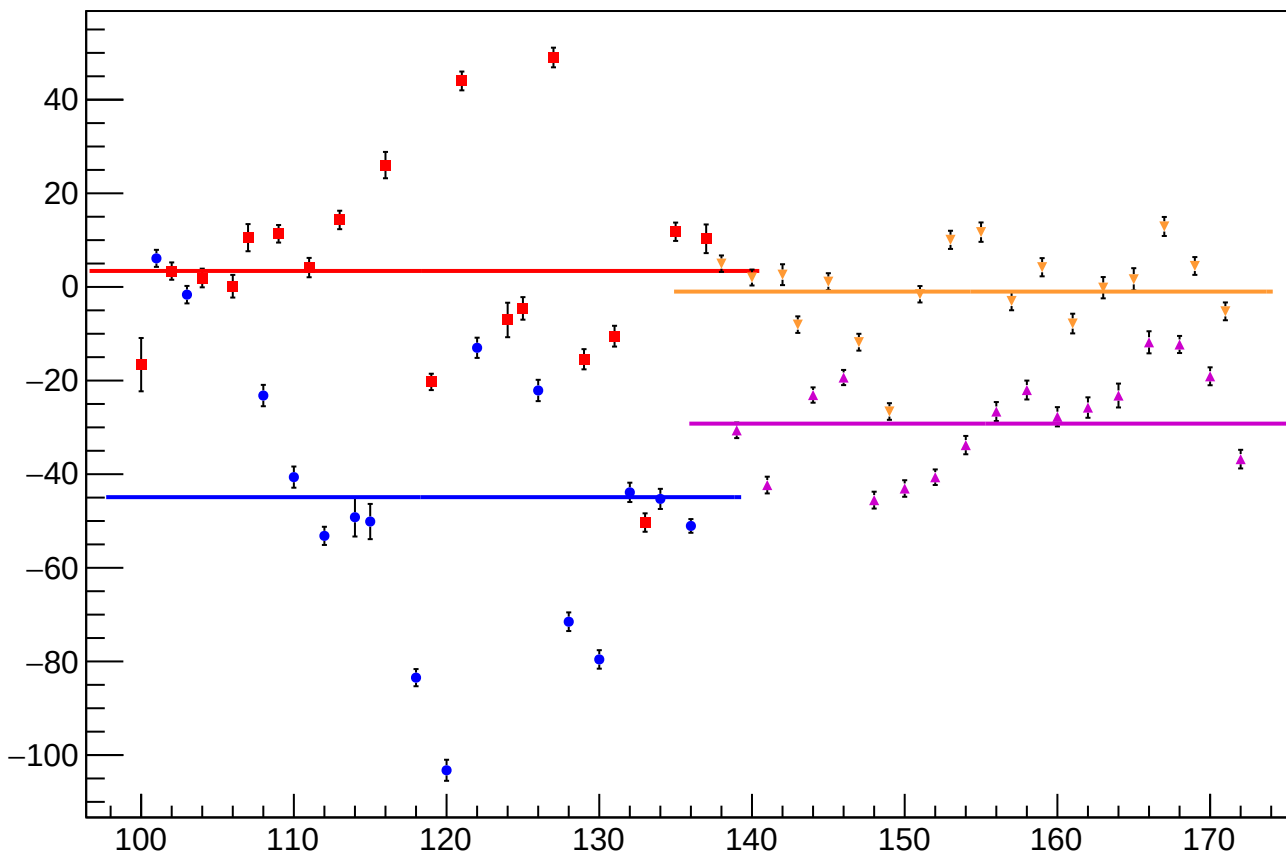
Left In: 917.934+/-0.175 χ^2/NDF : 478527.0/16

+ sign 889.374+/-0.137 χ^2/NDF : 668565.7/33

All: 893.743+/-0.097 χ^2/NDF : 1300980.3/69

- sign 898.185+/-0.138 χ^2/NDF : 630363.0/35

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

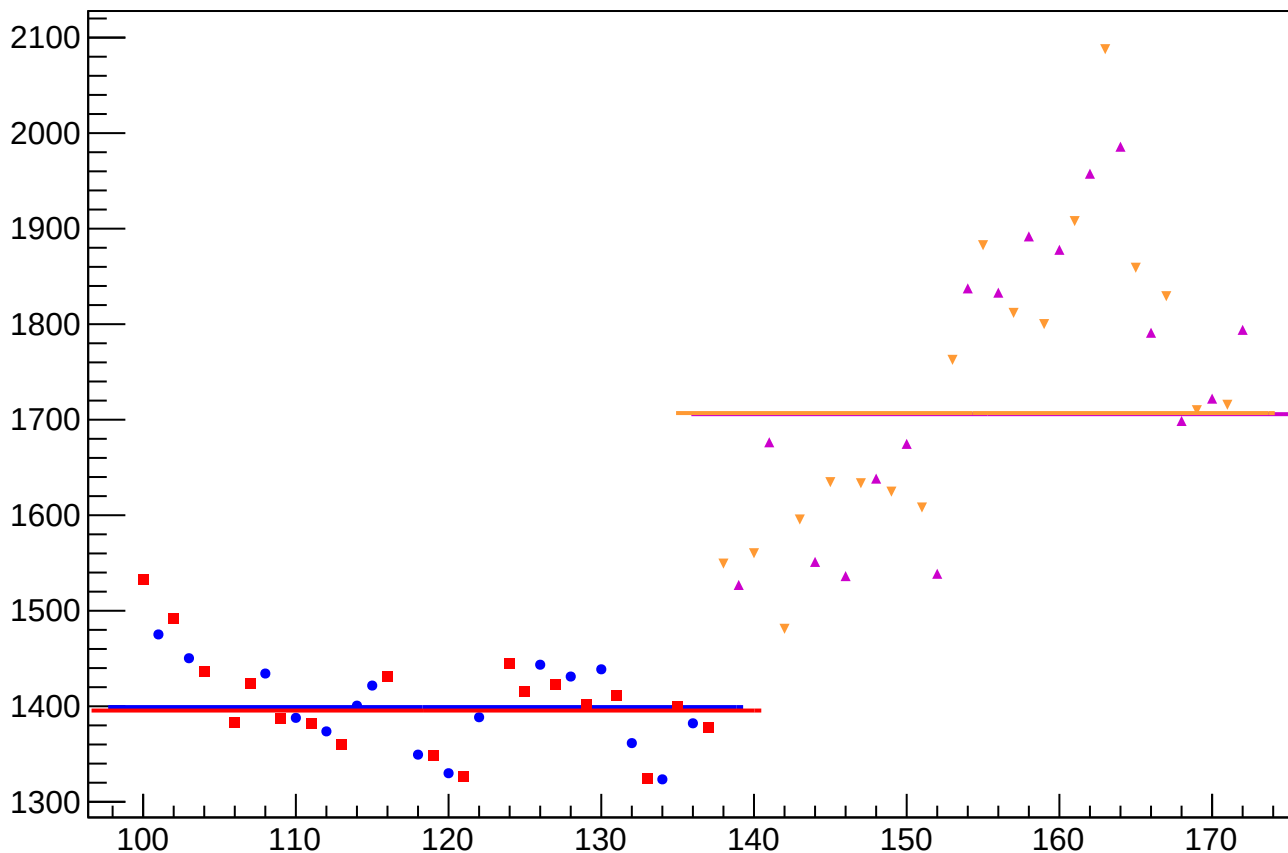
Left In: -29.199 ± 0.458 χ^2/NDF : 507.4/16

+ sign -19.981 ± 0.342 χ^2/NDF : 7855.6/33

All: -17.291 ± 0.241 χ^2/NDF : 12858.2/69

- sign -14.626 ± 0.340 χ^2/NDF : 4879.3/35

diff_bpm0i02X_rms vs Slug



Right In: 1399.172 $\pm$ 0.368 χ^2 /NDF: 14844.1/15

Left Out: 1706.949 $\pm$ 0.321 χ^2 /NDF: 192698.2/17

Right Out: 1395.546 $\pm$ 0.360 χ^2 /NDF: 16240.9/18

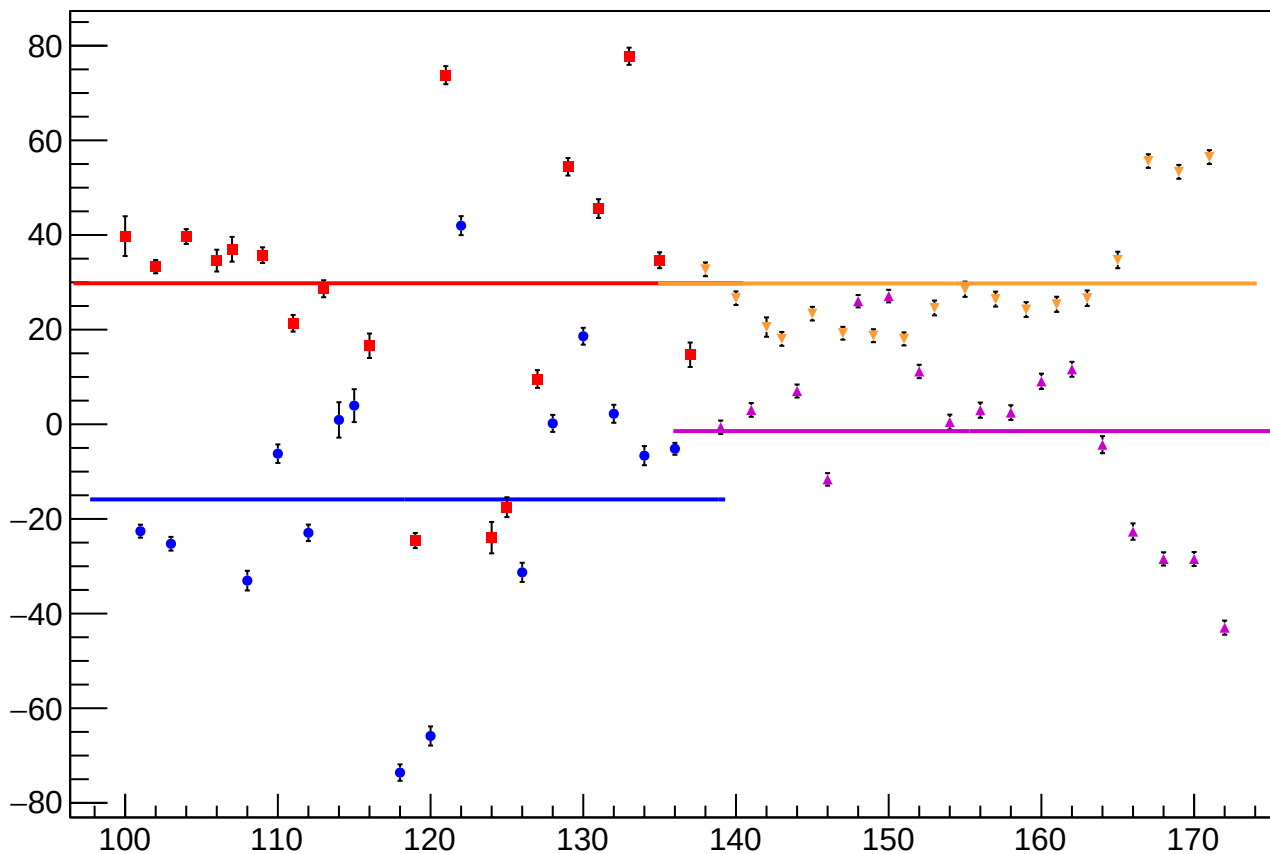
Left In: 1705.798 $\pm$ 0.324 χ^2 /NDF: 192450.8/16

+ sign 1573.862 $\pm$ 0.242 χ^2 /NDF: 605374.1/33

All: 1570.501 $\pm$ 0.171 χ^2 /NDF: 1225240.4/69

- sign 1567.169 $\pm$ 0.241 χ^2 /NDF: 619481.2/35

diff_bpm0i02Y_mean vs Slug



Right In: -15.878 $\pm$ 0.455 χ^2/NDF : 3477.8/15

Left Out: 29.756 $\pm$ 0.357 χ^2/NDF :1269.5/17

Right Out: 29.801 $\pm$ 0.444 χ^2/NDF : 3681.2/18

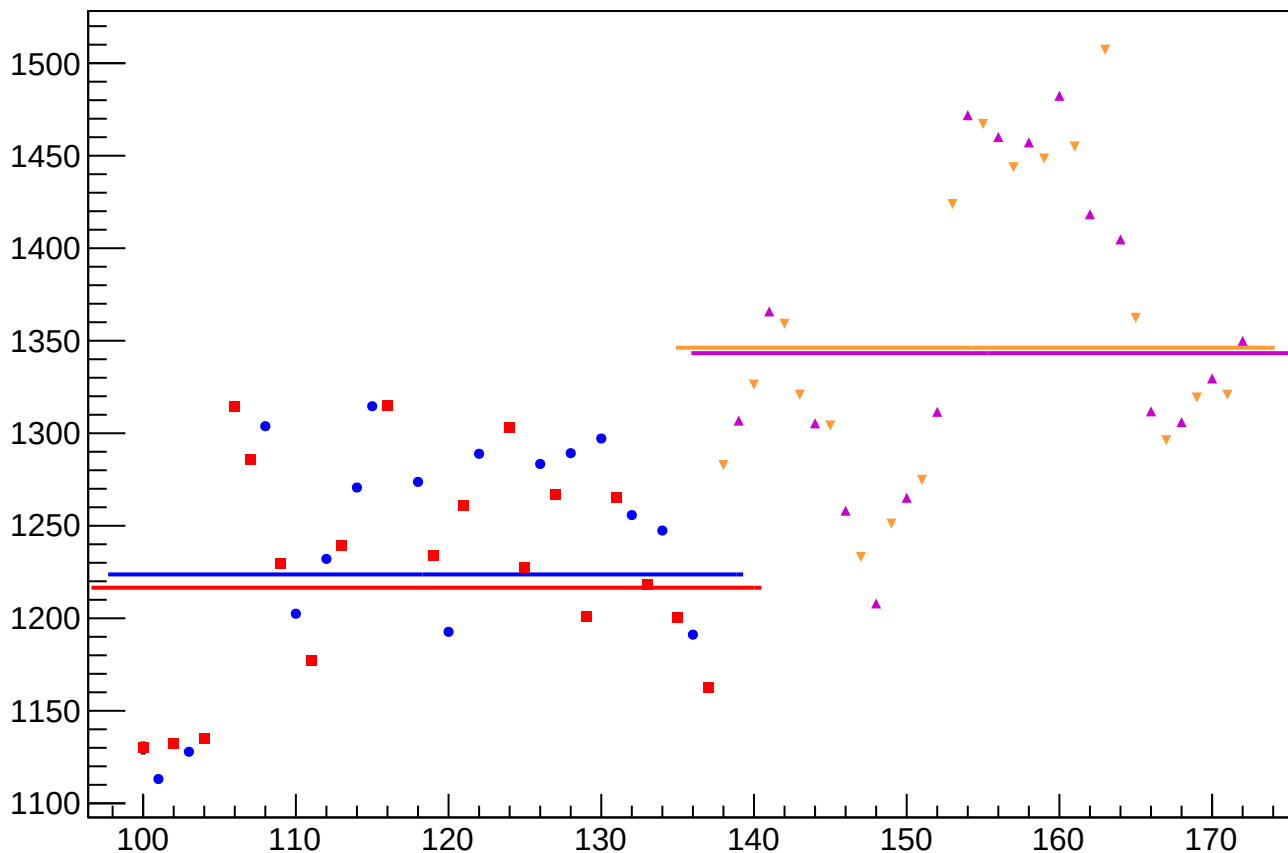
Left In: -1.437 $\pm$ 0.360 χ^2/NDF :2829.6/16

+ sign 12.361 $\pm$ 0.281 χ^2/NDF : 10965.4/33

All: 11.637 $\pm$ 0.198 χ^2/NDF : 20476.3/69

- sign 10.920 $\pm$ 0.279 χ^2/NDF : 9497.7/35

diff_bpm0i02Y_rms vs Slug



Right In: 1223.702 $\pm$ 0.322 χ^2 /NDF: 40883.8/15

Left Out: 1346.230 $\pm$ 0.253 χ^2 /NDF: 99993.5/17

Right Out: 1216.533 $\pm$ 0.314 χ^2 /NDF: 29381.0/18

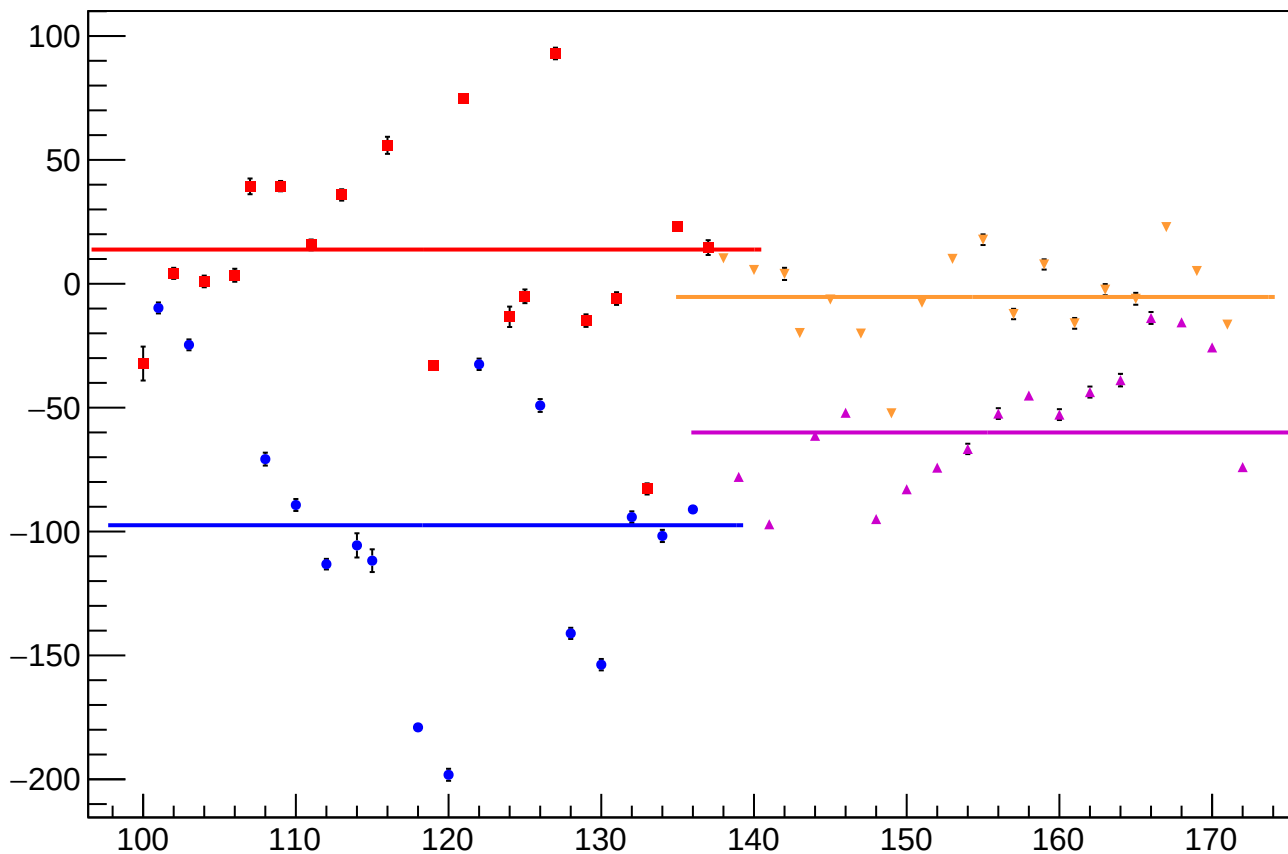
Left In: 1343.289 $\pm$ 0.254 χ^2 /NDF: 99003.5/16

+ sign 1299.525 $\pm$ 0.199 χ^2 /NDF: 230533.5/33

All: 1296.317 $\pm$ 0.140 χ^2 /NDF: 457797.9/69

- sign 1293.144 $\pm$ 0.198 χ^2 /NDF: 226746.2/35

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

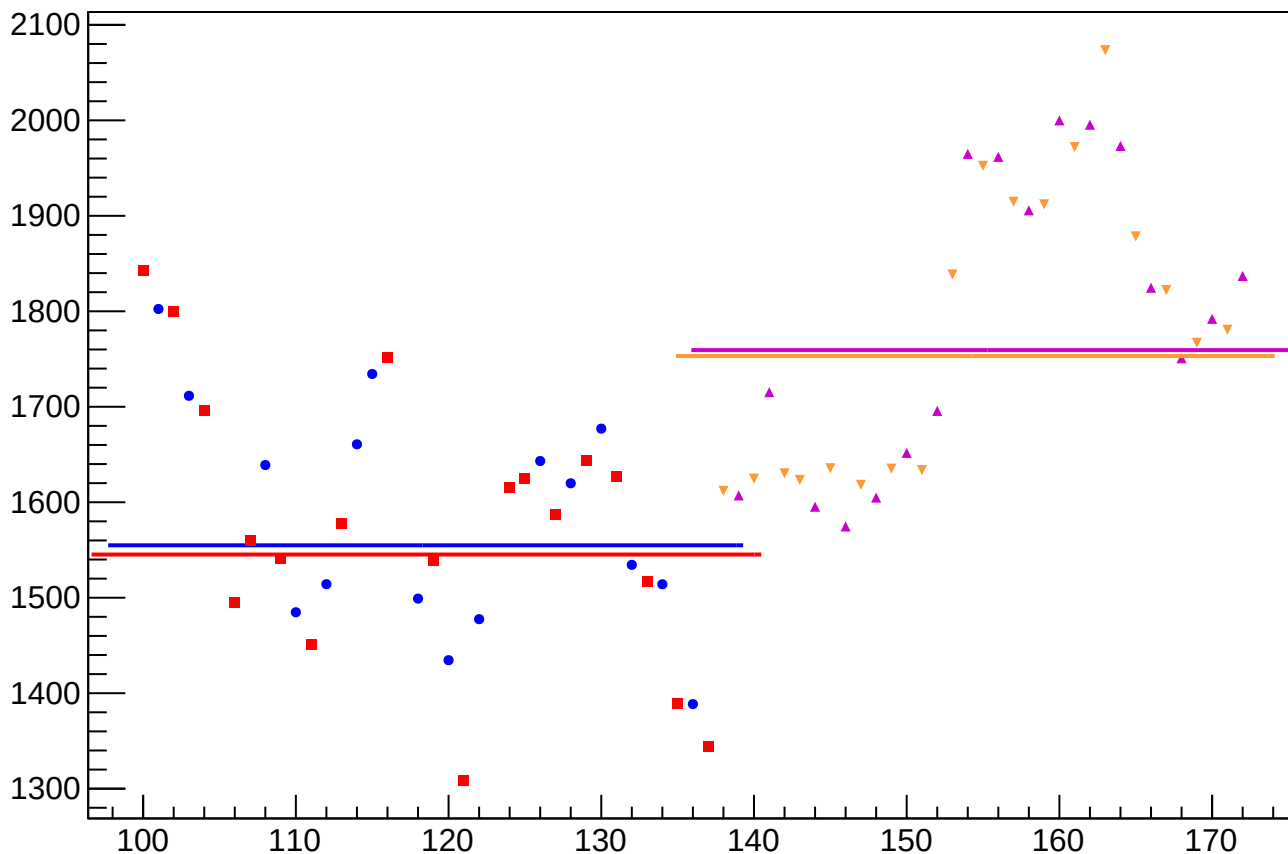
Left In: -60.020 ± 0.472 χ^2/NDF : 2650.7/16

+ sign -41.523 ± 0.363 χ^2/NDF : 25105.0/33

All: -35.612 ± 0.257 χ^2/NDF : 43684.7/69

- sign -29.731 ± 0.362 χ^2/NDF : 18051.4/35

diff_bpm0i02aX_rms vs Slug



Right In: 1554.908 $\pm$ 0.410 χ^2 /NDF: 87920.1/15

Left Out: 1753.123 $\pm$ 0.330 χ^2 /NDF: 188705.5/17

Right Out: 1545.239 $\pm$ 0.400 χ^2 /NDF: 108789.4/18

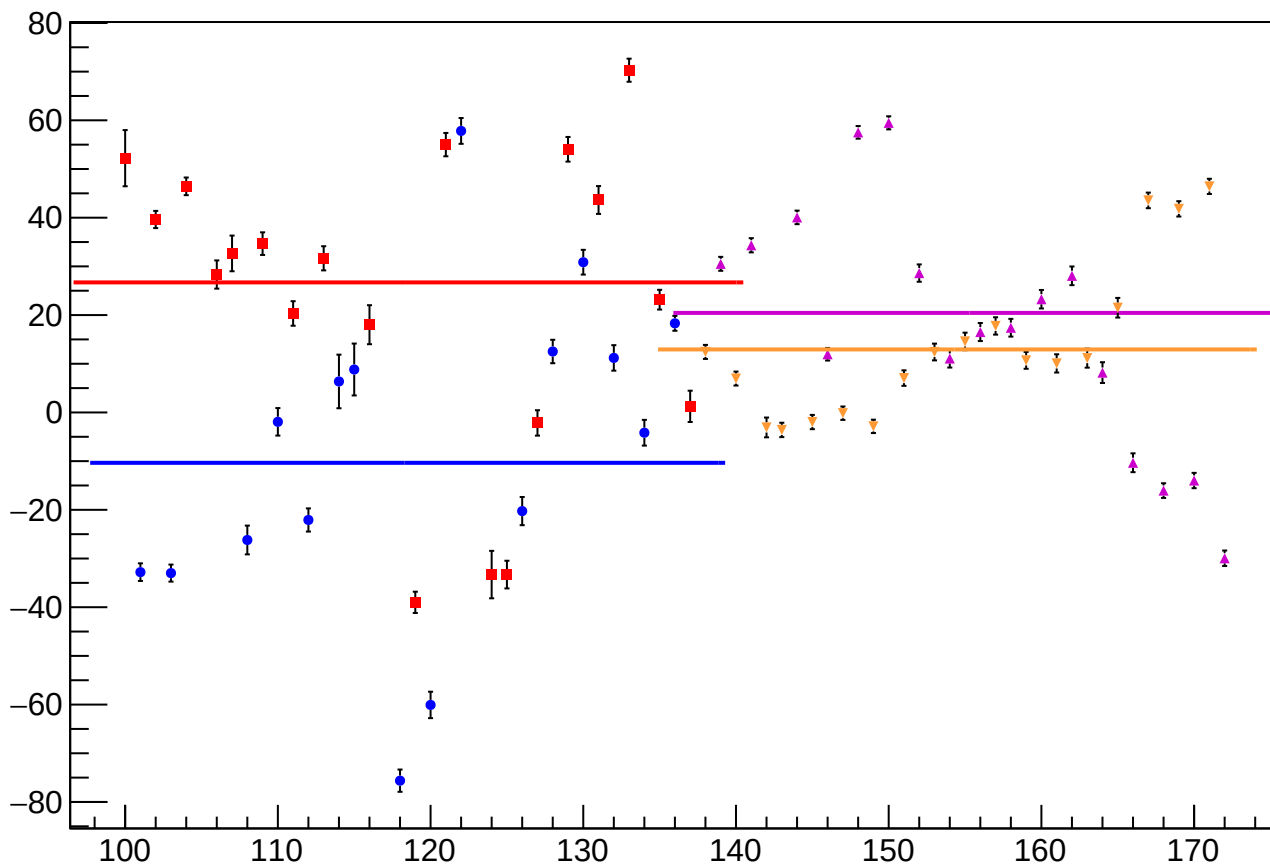
Left In: 1759.368 $\pm$ 0.334 χ^2 /NDF: 198631.4/16

+ sign 1675.243 $\pm$ 0.257 χ^2 /NDF: 418716.6/33

All: 1673.381 $\pm$ 0.181 χ^2 /NDF: 895265.2/69

- sign 1671.528 $\pm$ 0.256 χ^2 /NDF: 476443.7/35

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

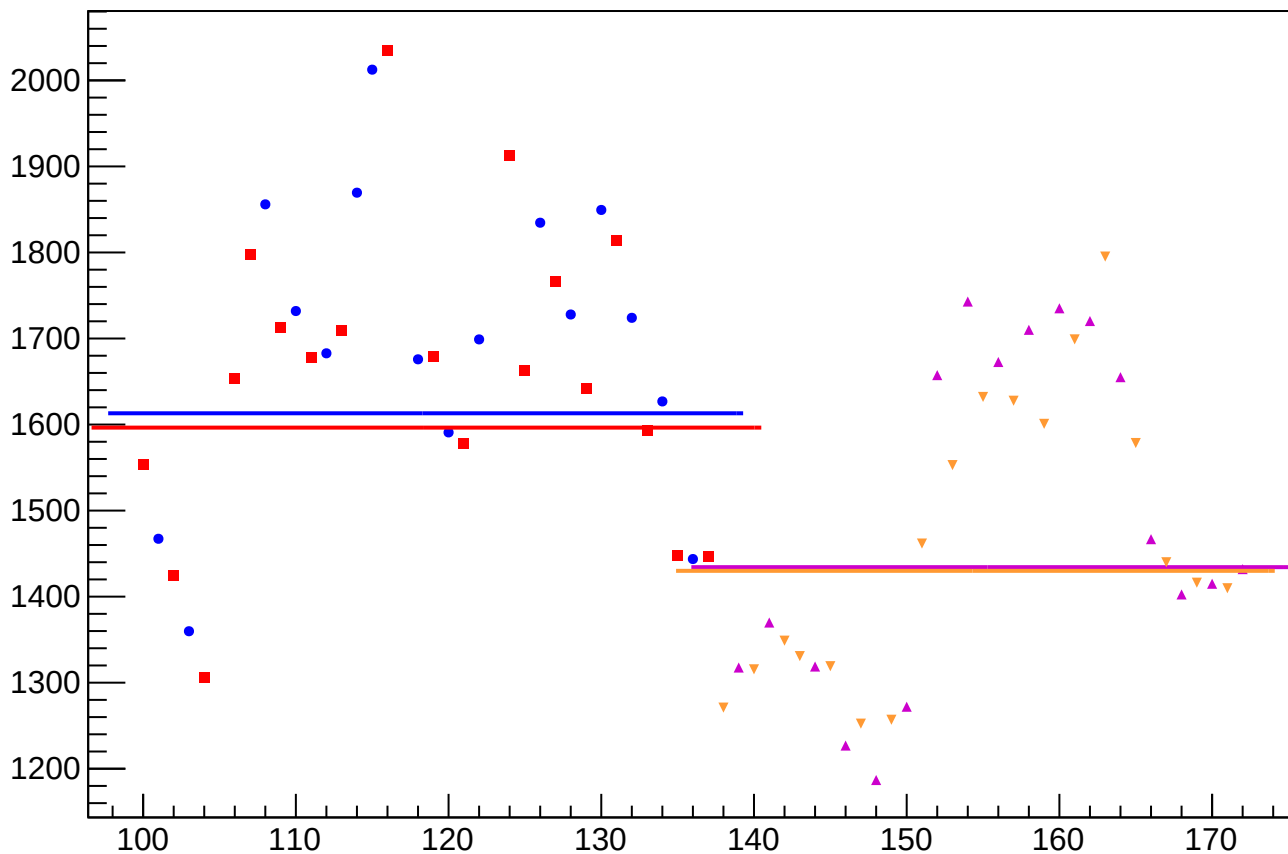
Left In: 20.444 ± 0.387 χ^2/NDF : 4472.6/16

+ sign 6.288 ± 0.322 χ^2/NDF : 5807.2/33

All: 14.305 ± 0.228 χ^2/NDF : 14138.5/69

- sign 22.343 ± 0.323 χ^2/NDF : 7092.9/35

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

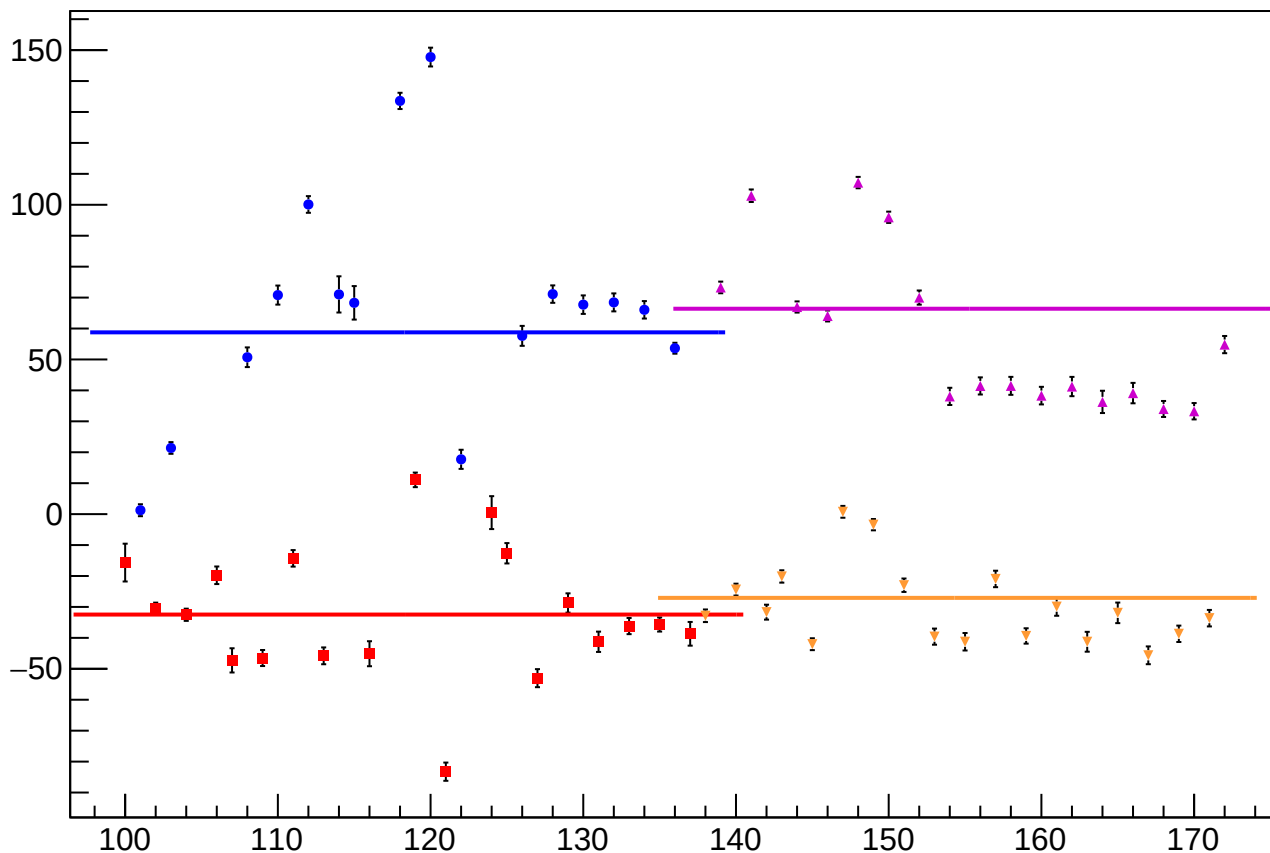
Left In: 1434.261+/-0.273 χ^2/NDF : 467252.3/16

+ sign 1482.302+/-0.228 χ^2/NDF : 614641.5/33

All: 1482.857+/-0.161 χ^2/NDF : 1349253.0/69

- sign 1483.414+/-0.228 χ^2/NDF : 734599.6/35

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

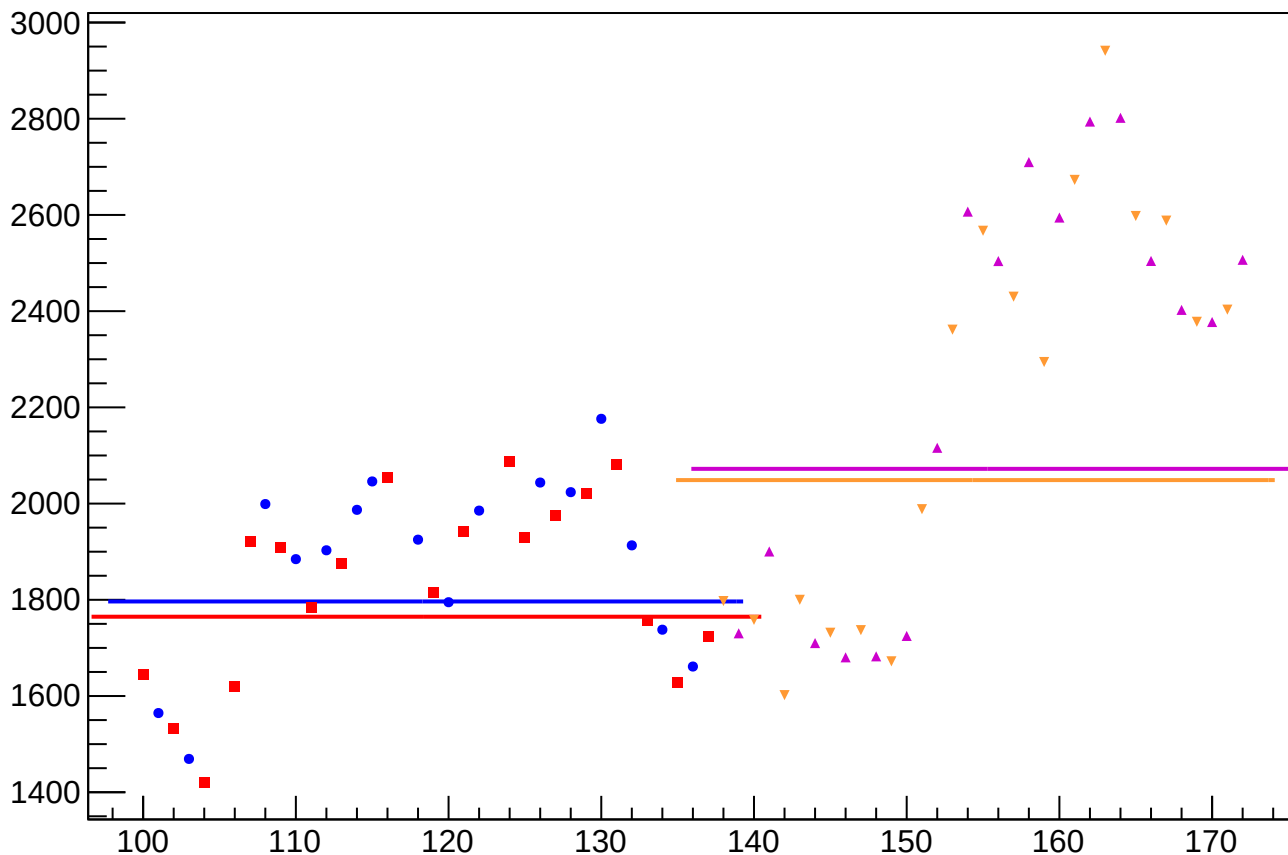
Left In: 66.398 ± 0.565 χ^2/NDF : 1985.9/16

+ sign 7.549 ± 0.427 χ^2/NDF : 13799.8/33

All: 15.662 ± 0.302 χ^2/NDF : 30650.4/69

- sign 23.733 ± 0.426 χ^2/NDF : 16130.7/35

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

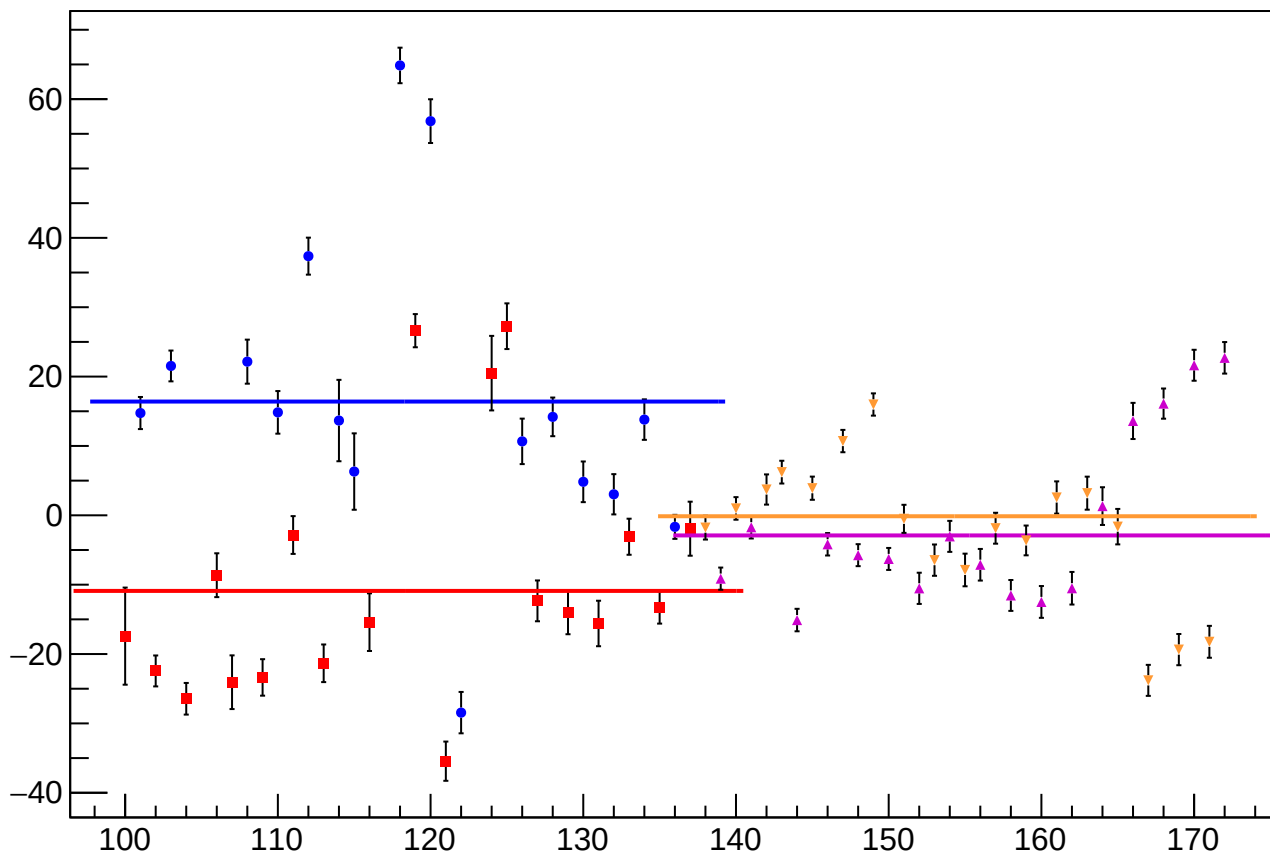
Left In: 2072.217+/-0.400 χ^2/NDF : 1039733.2/16

+ sign 1947.090+/-0.302 χ^2/NDF : 1322916.8/33

All: 1943.324+/-0.213 χ^2/NDF : 2808377.2/69

- sign 1939.578+/-0.301 χ^2/NDF : 1485150.2/35

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

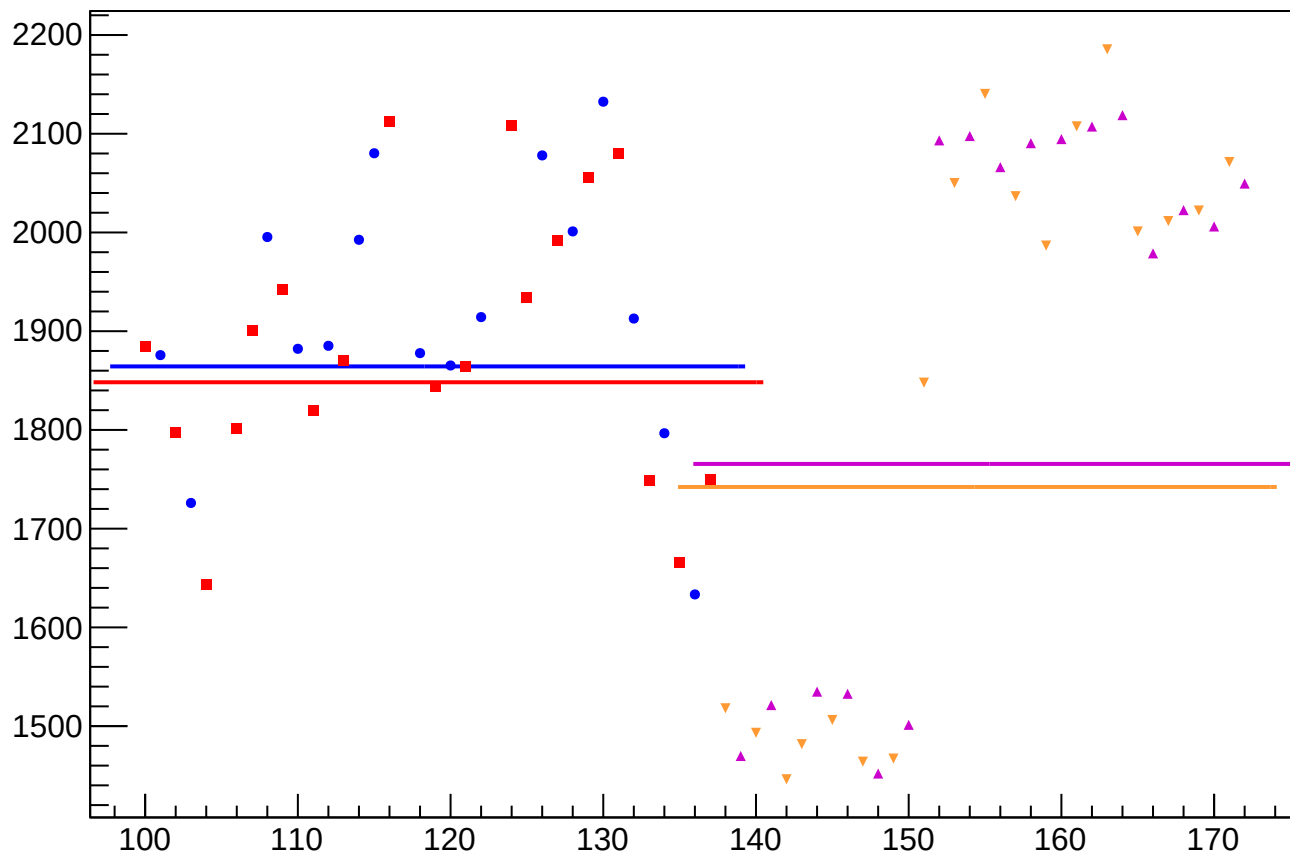
Left In: -2.900 ± 0.478 χ^2/NDF : 505.4/16

+ sign 5.020 ± 0.388 χ^2/NDF : 1806.6/33

All: -0.243 ± 0.275 χ^2/NDF : 3416.9/69

- sign -5.562 ± 0.390 χ^2/NDF : 1240.4/35

diff_bpm0i05Y_rms vs Slug



Right In: 1864.335 $\pm$ 0.491 χ^2 /NDF: 83311.5/15

Left Out: 1742.211 $\pm$ 0.331 χ^2 /NDF: 727560.8/17

Right Out: 1848.284 $\pm$ 0.478 χ^2 /NDF: 74956.9/18

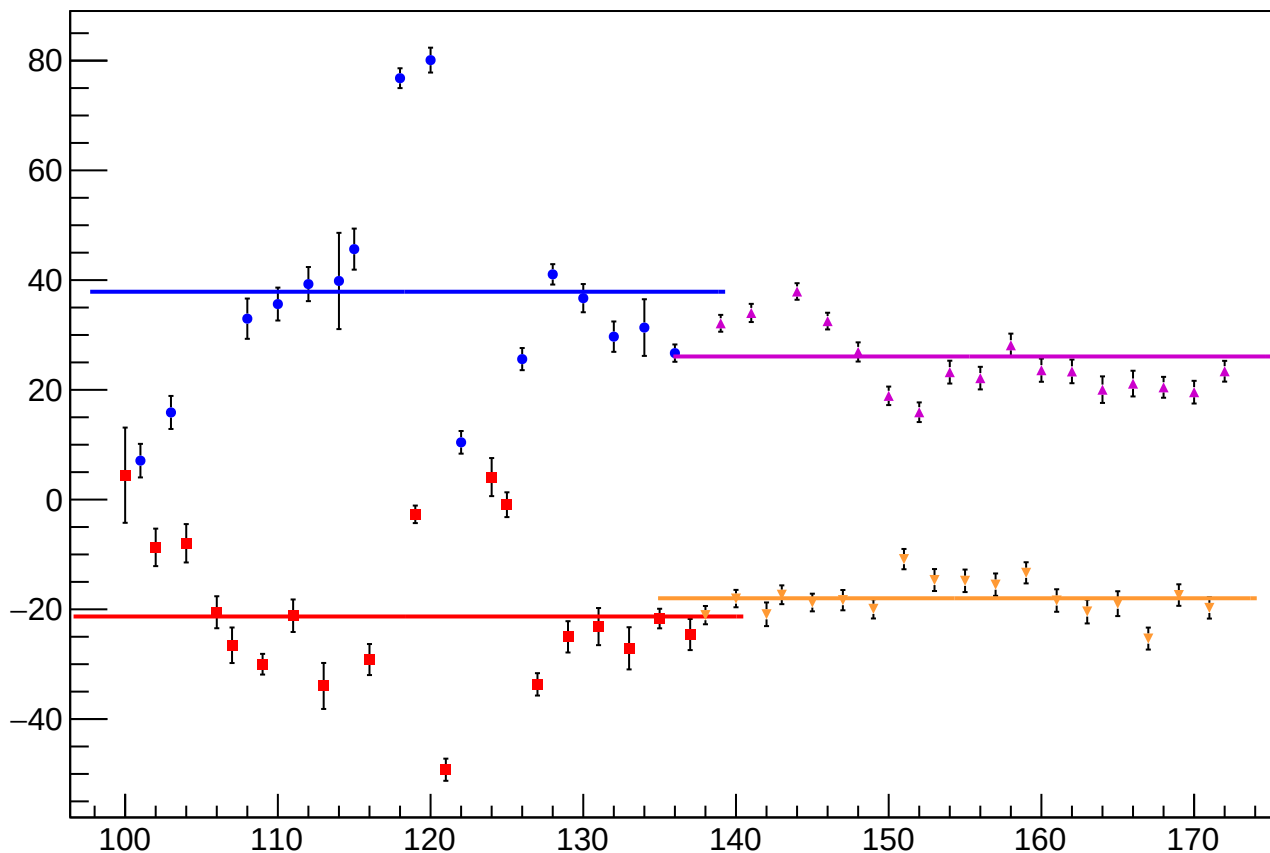
Left In: 1765.560 $\pm$ 0.338 χ^2 /NDF: 706727.9/16

+ sign 1780.284 $\pm$ 0.274 χ^2 /NDF: 853377.4/33

All: 1786.654 $\pm$ 0.195 χ^2 /NDF: 1656112.7/69

- sign 1793.094 $\pm$ 0.276 χ^2 /NDF: 801651.3/35

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

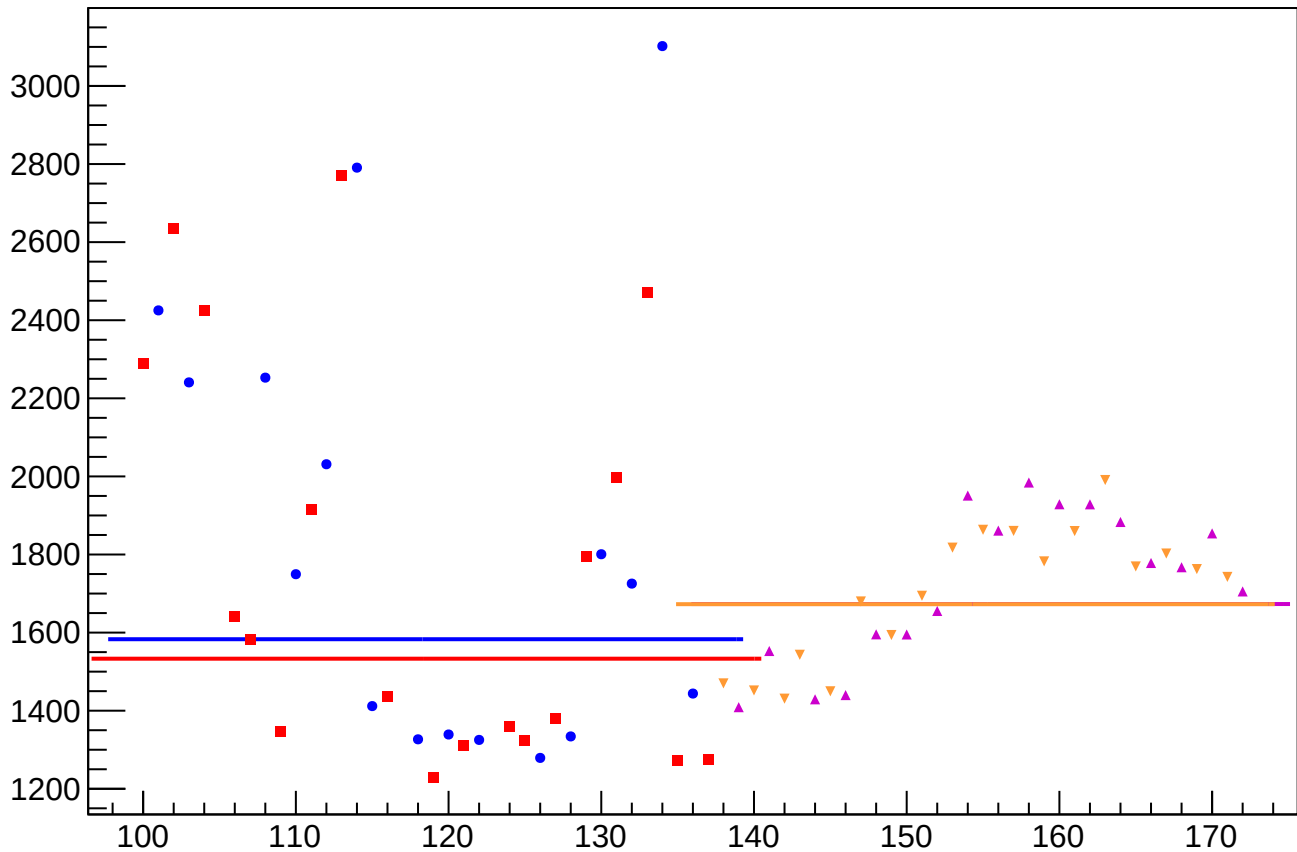
Left In: 26.082 ± 0.451 χ^2/NDF : 209.5/16

+ sign 0.970 ± 0.363 χ^2/NDF : 6623.3/33

All: 4.891 ± 0.255 χ^2/NDF : 11695.4/69

- sign 8.730 ± 0.359 χ^2/NDF : 4840.7/35

diff_bpm0i07X_rms vs Slug



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

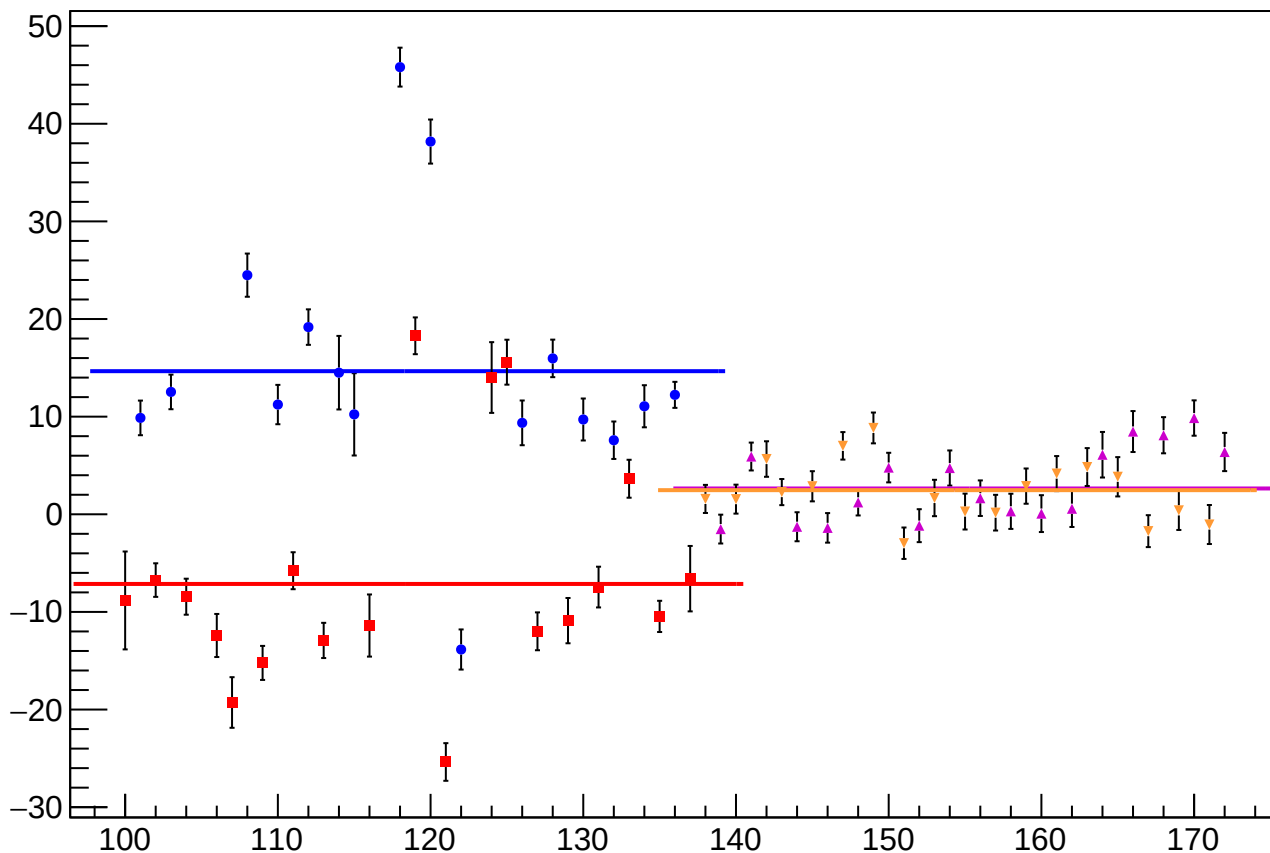
Left In: 1673.178+/-0.319 χ^2/NDF : 370406.8/16

+ sign 1642.341+/-0.256 χ^2/NDF : 1092675.9/33

All: 1632.025+/-0.180 χ^2/NDF : 2487727.1/69

- sign 1621.920+/-0.254 χ^2/NDF : 1391845.3/35

diff_bpm0i07Y_mean vs Slug



Right In: 14.658 $\pm$ 0.504 χ^2 /NDF: 614.8/15

Left Out: 2.471 $\pm$ 0.395 χ^2 /NDF: 58.9/17

Right Out: -7.135 $\pm$ 0.483 χ^2 /NDF: 509.4/18

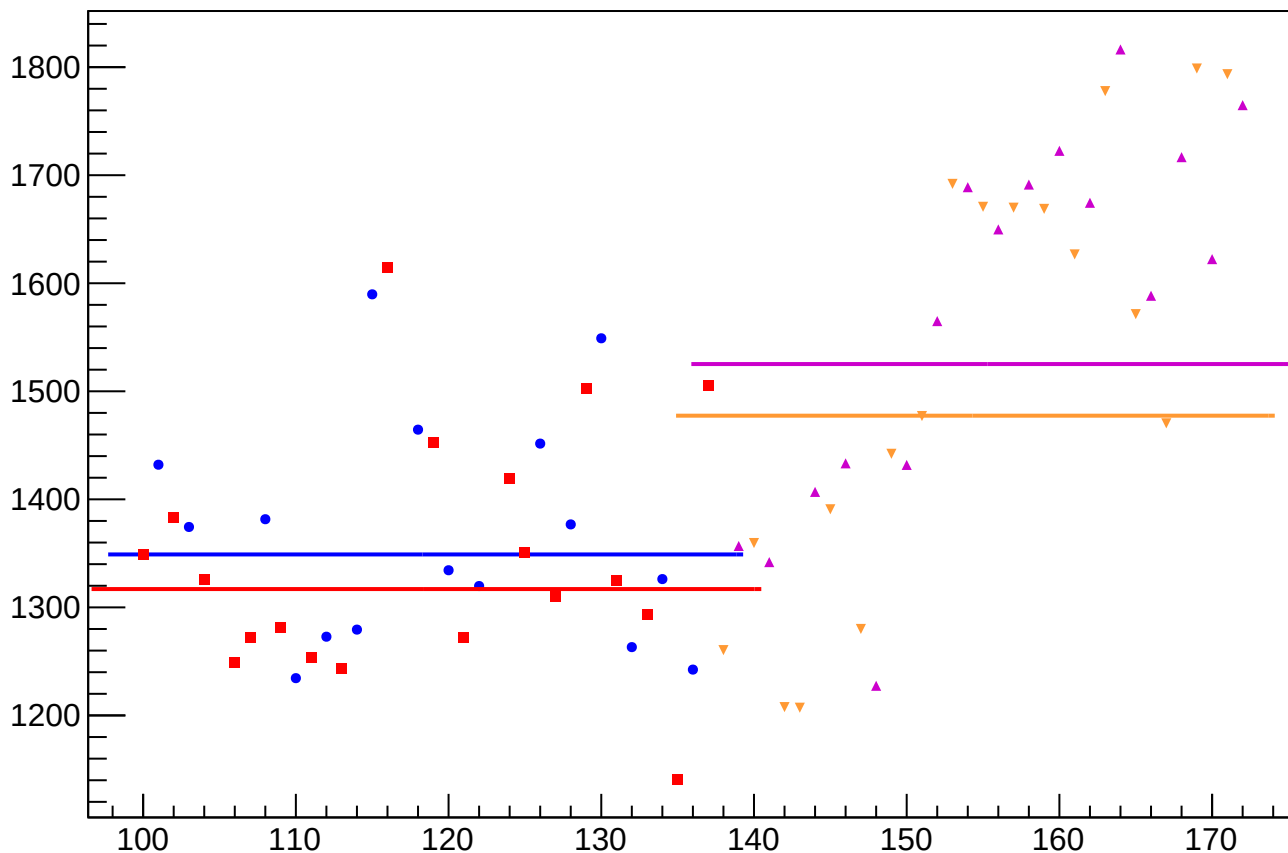
Left In: 2.644 $\pm$ 0.410 χ^2 /NDF: 80.0/16

+ sign 7.109 $\pm$ 0.311 χ^2 /NDF: 1035.1/33

All: 2.849 $\pm$ 0.221 χ^2 /NDF: 2239.1/69

- sign -1.455 $\pm$ 0.313 χ^2 /NDF: 827.3/35

diff_bpm0i07Y_rms vs Slug



Right In: 1349.000 $\pm$ 0.357 χ^2 /NDF: 68383.7/15

Left Out: 1477.427 $\pm$ 0.280 χ^2 /NDF: 491144.3/17

Right Out: 1316.961 $\pm$ 0.342 χ^2 /NDF: 86873.7/18

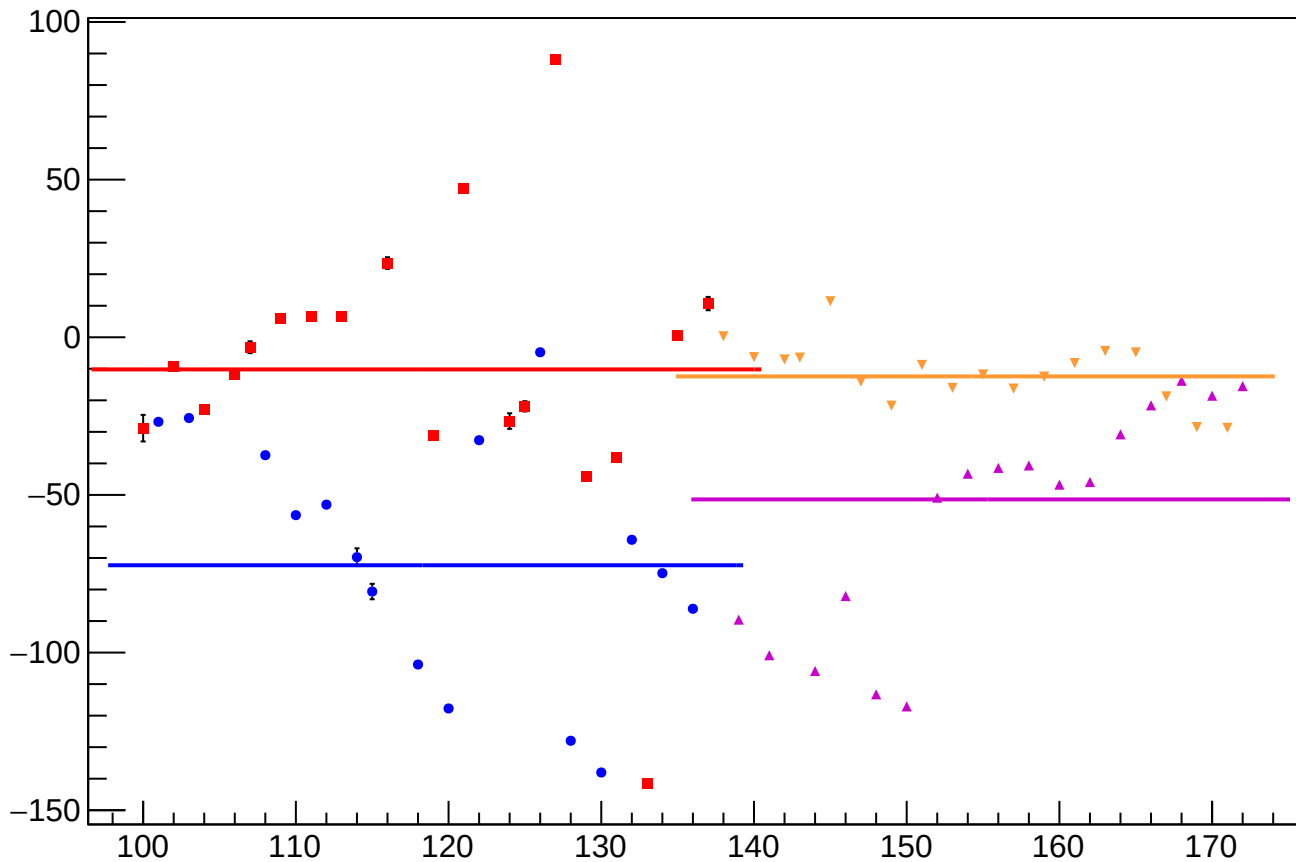
Left In: 1525.211 $\pm$ 0.290 χ^2 /NDF: 353982.0/16

+ sign 1428.555 $\pm$ 0.220 χ^2 /NDF: 639813.6/33

All: 1433.215 $\pm$ 0.156 χ^2 /NDF: 1297370.8/69

- sign 1437.923 $\pm$ 0.221 χ^2 /NDF: 656655.7/35

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

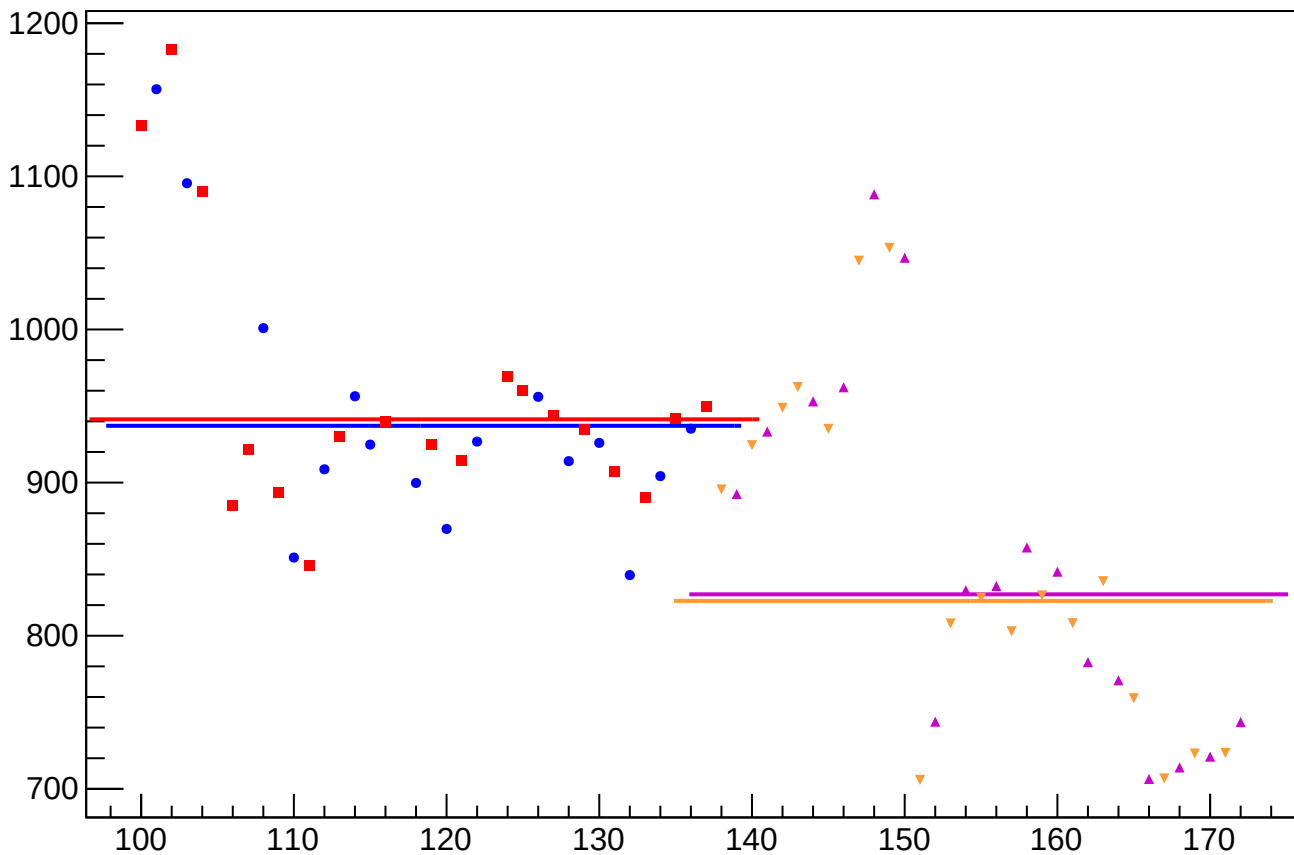
Left In: -51.424 ± 0.223 χ^2/NDF : 21962.7/16

+ sign -29.375 ± 0.186 χ^2/NDF : 35144.4/33

All: -34.293 ± 0.132 χ^2/NDF : 87661.4/69

- sign -39.269 ± 0.187 χ^2/NDF : 51110.4/35

diff_bpm1i02X_rms vs Slug



Right In: 937.097 $\pm$ 0.247 χ^2 /NDF: 104660.4/15

Left Out: 822.740 $\pm$ 0.155 χ^2 /NDF: 421314.0/17

Right Out: 941.323 $\pm$ 0.244 χ^2 /NDF: 101031.2/18

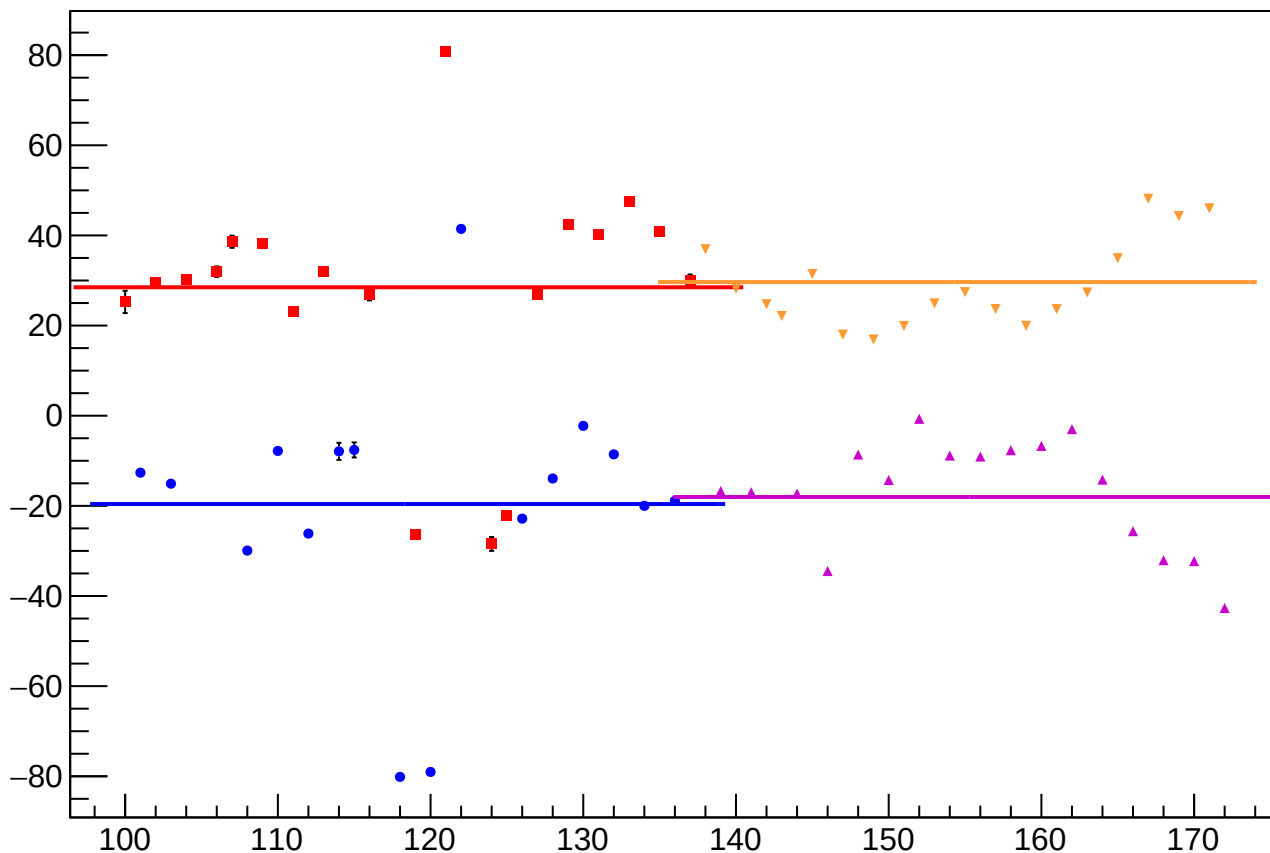
Left In: 827.038 $\pm$ 0.158 χ^2 /NDF: 443242.1/16

+ sign 855.137 $\pm$ 0.132 χ^2 /NDF: 679477.7/33

All: 857.916 $\pm$ 0.093 χ^2 /NDF: 1379836.8/69

- sign 860.728 $\pm$ 0.132 χ^2 /NDF: 699460.6/35

diff_bpm1i02Y_mean vs Slug



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

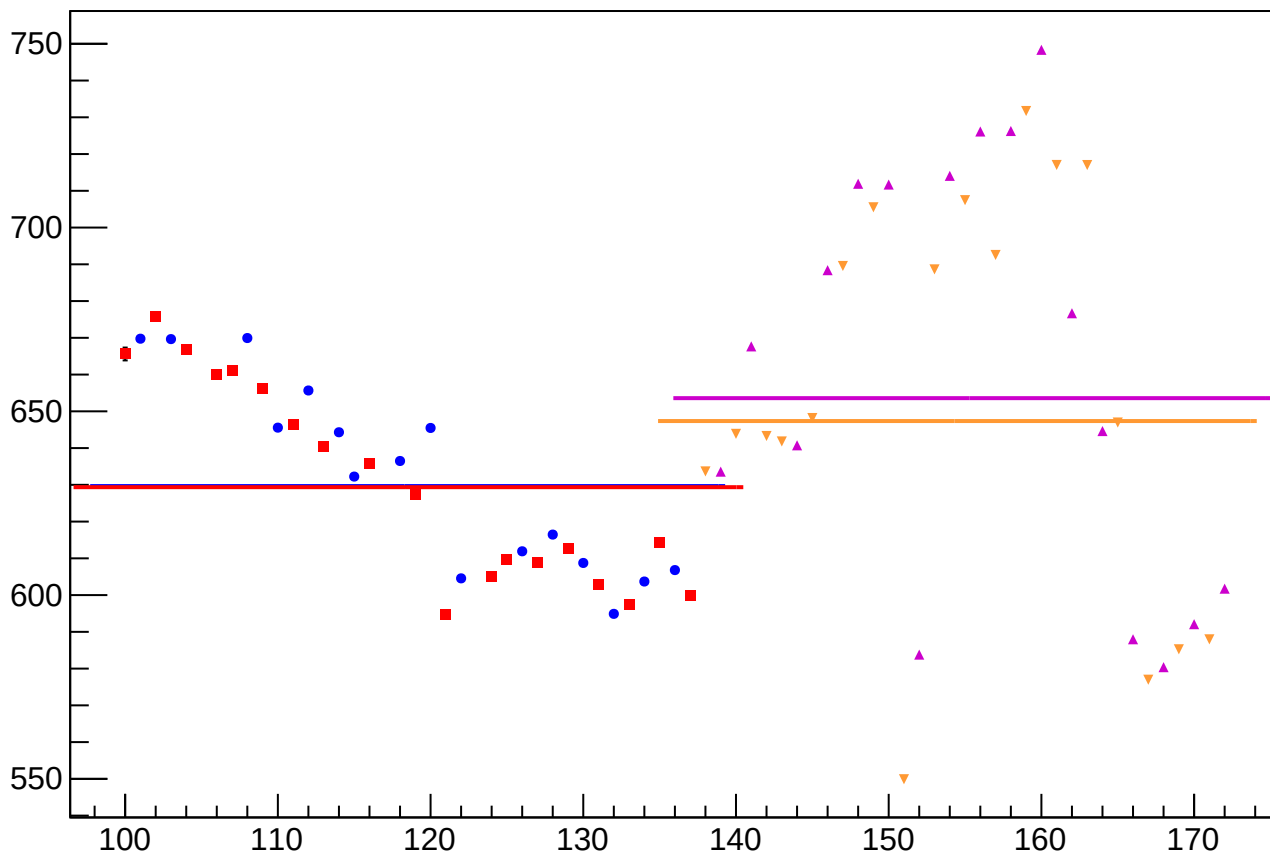
Left In: -18.035 ± 0.175 χ^2/NDF : 4929.5/16

+ sign 12.345 ± 0.139 χ^2/NDF : 45249.3/33

All: 5.754 ± 0.098 χ^2/NDF : 93609.9/69

- sign -0.897 ± 0.139 χ^2/NDF : 43827.9/35

diff_bpm1i02Y_rms vs Slug



Right In: 629.660 $\pm$ 0.166 χ^2 /NDF: 25315.5/15

Left Out: 647.356 $\pm$ 0.122 χ^2 /NDF: 209243.8/17

Right Out: 629.361 $\pm$ 0.162 χ^2 /NDF: 26791.2/18

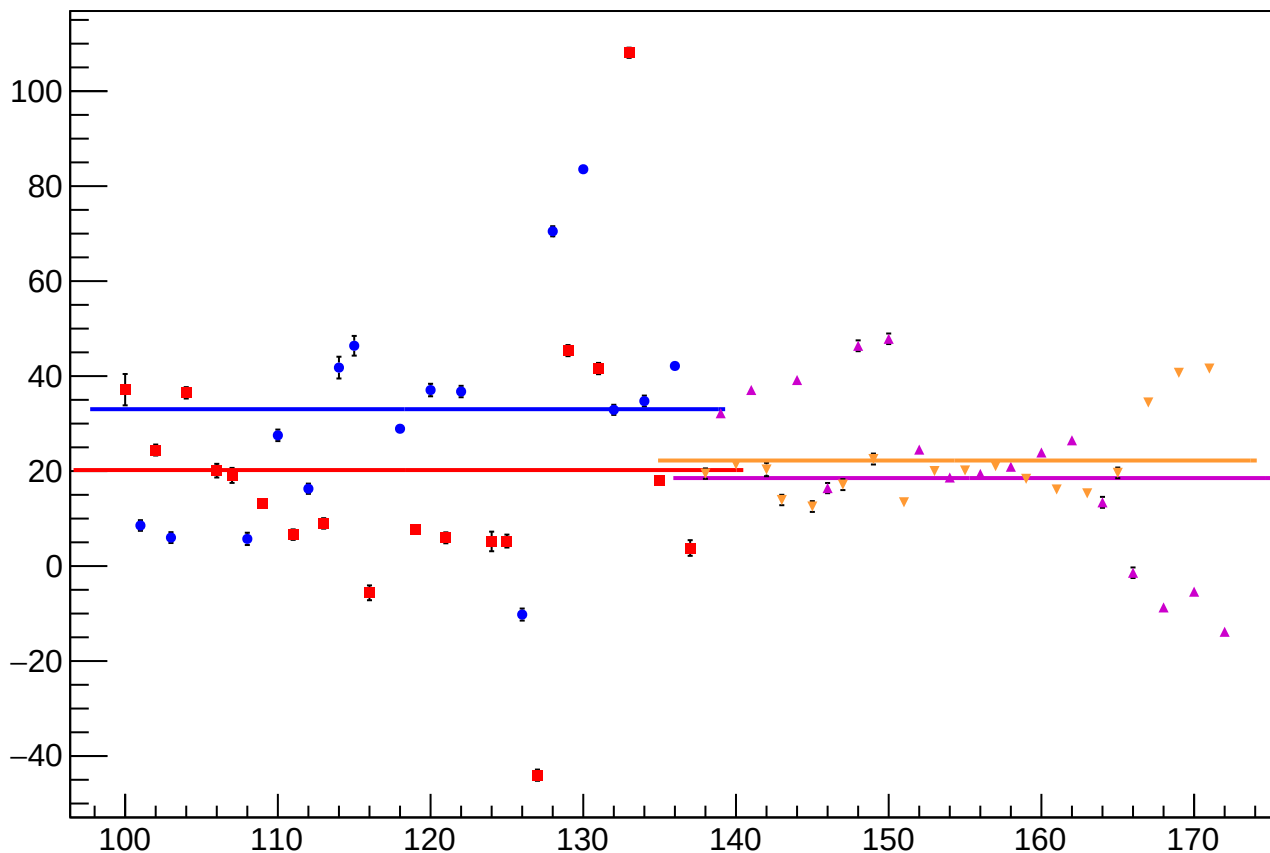
Left In: 653.584 $\pm$ 0.124 χ^2 /NDF: 201854.8/16

+ sign 641.136 $\pm$ 0.098 χ^2 /NDF: 241973.1/33

All: 642.891 $\pm$ 0.070 χ^2 /NDF: 485314.5/69

- sign 644.662 $\pm$ 0.099 χ^2 /NDF: 242698.5/35

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

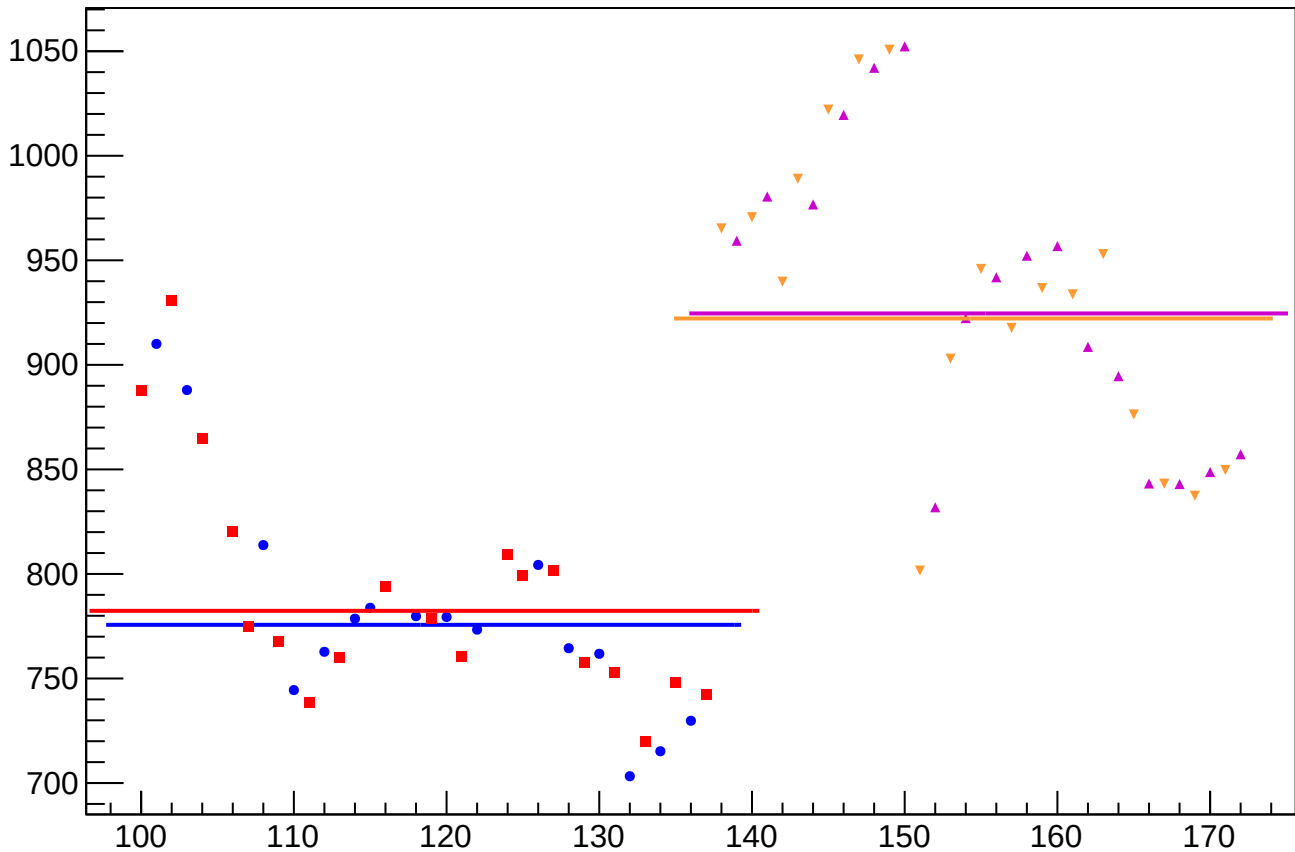
Left In: 18.529+/-0.248 χ^2 /NDF:5371.9/16

+ sign 26.749+/-0.187 χ^2 /NDF: 8868.8/33

All: 23.007+/-0.132 χ^2 /NDF: 26933.2/69

- sign 19.252+/-0.187 χ^2 /NDF: 17261.4/35

diff_bpm1i04X_rms vs Slug



Right In: 775.664 $\pm$ 0.204 χ^2 /NDF: 74660.0/15

Left Out: 922.182 $\pm$ 0.173 χ^2 /NDF: 167149.6/17

Right Out: 782.358 $\pm$ 0.202 χ^2 /NDF: 64566.3/18

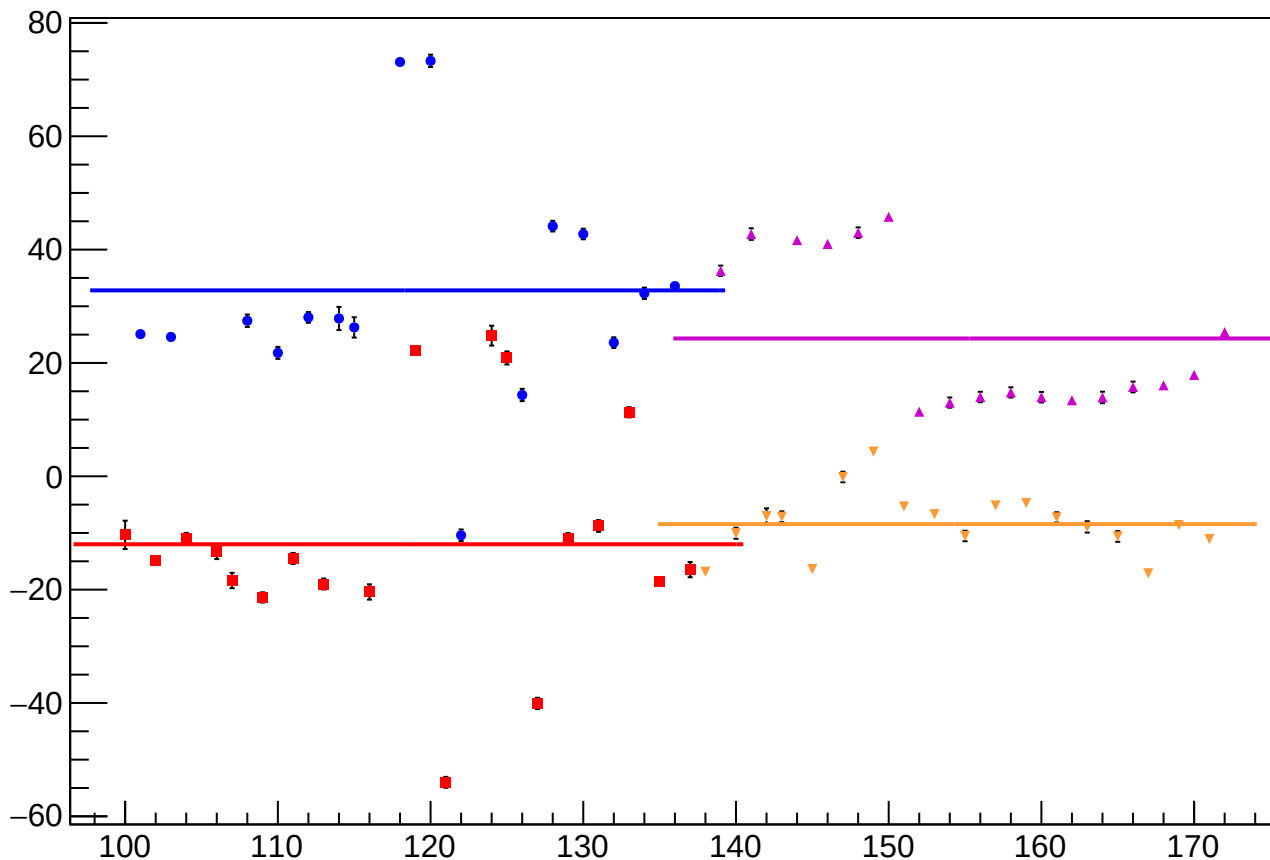
Left In: 924.596 $\pm$ 0.175 χ^2 /NDF: 153476.3/16

+ sign 860.866 $\pm$ 0.132 χ^2 /NDF: 540935.1/33

All: 862.238 $\pm$ 0.094 χ^2 /NDF: 1041877.0/69

- sign 863.615 $\pm$ 0.132 χ^2 /NDF: 500725.9/35

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

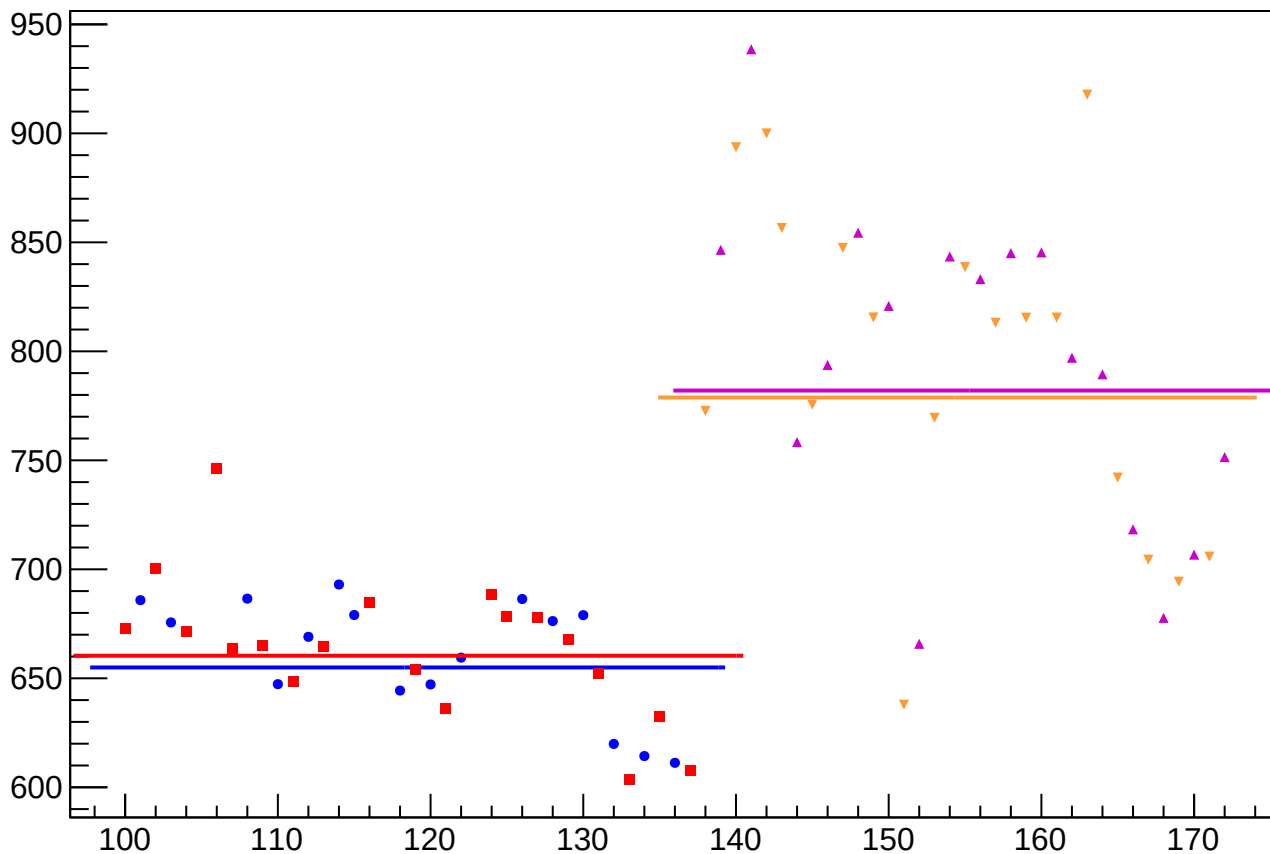
Left In: 24.318+/-0.210 χ^2/NDF : 3741.5/16

+ sign 8.934+/-0.158 χ^2/NDF : 23529.1/33

All: 8.777+/-0.112 χ^2/NDF : 46705.4/69

- sign 8.619+/-0.159 χ^2/NDF : 23174.4/35

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

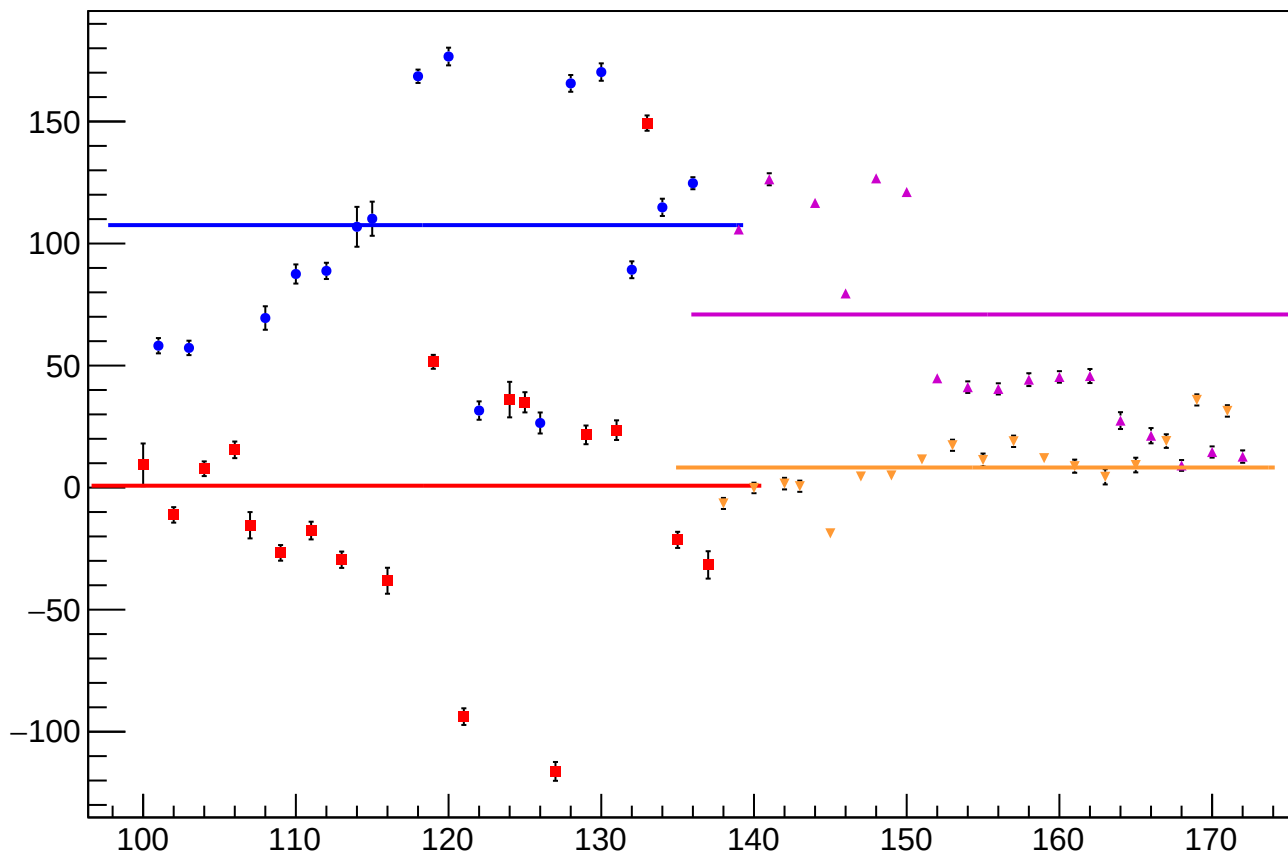
Left In: 782.012 ± 0.149 χ^2/NDF : 233308.6/16

+ sign 726.645 ± 0.112 χ^2/NDF : 599020.7/33

All: 728.026 ± 0.079 χ^2/NDF : 1152059.4/69

- sign 729.415 ± 0.112 χ^2/NDF : 552732.6/35

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

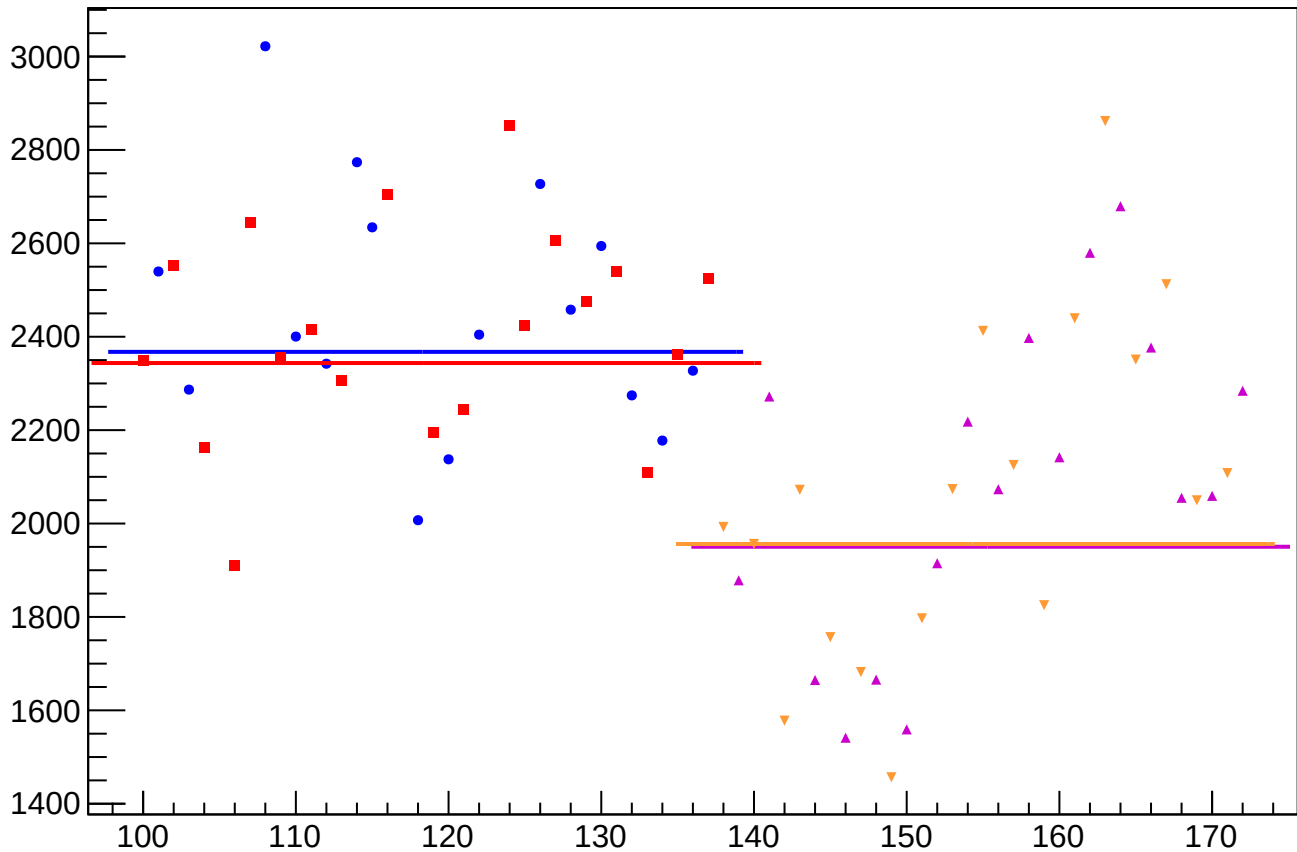
Left In: 70.939 ± 0.532 χ^2/NDF : 6423.3/16

+ sign 34.248 ± 0.453 χ^2/NDF : 12821.4/33

All: 42.921 ± 0.320 χ^2/NDF : 29547.7/69

- sign 51.567 ± 0.452 χ^2/NDF : 15994.5/35

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

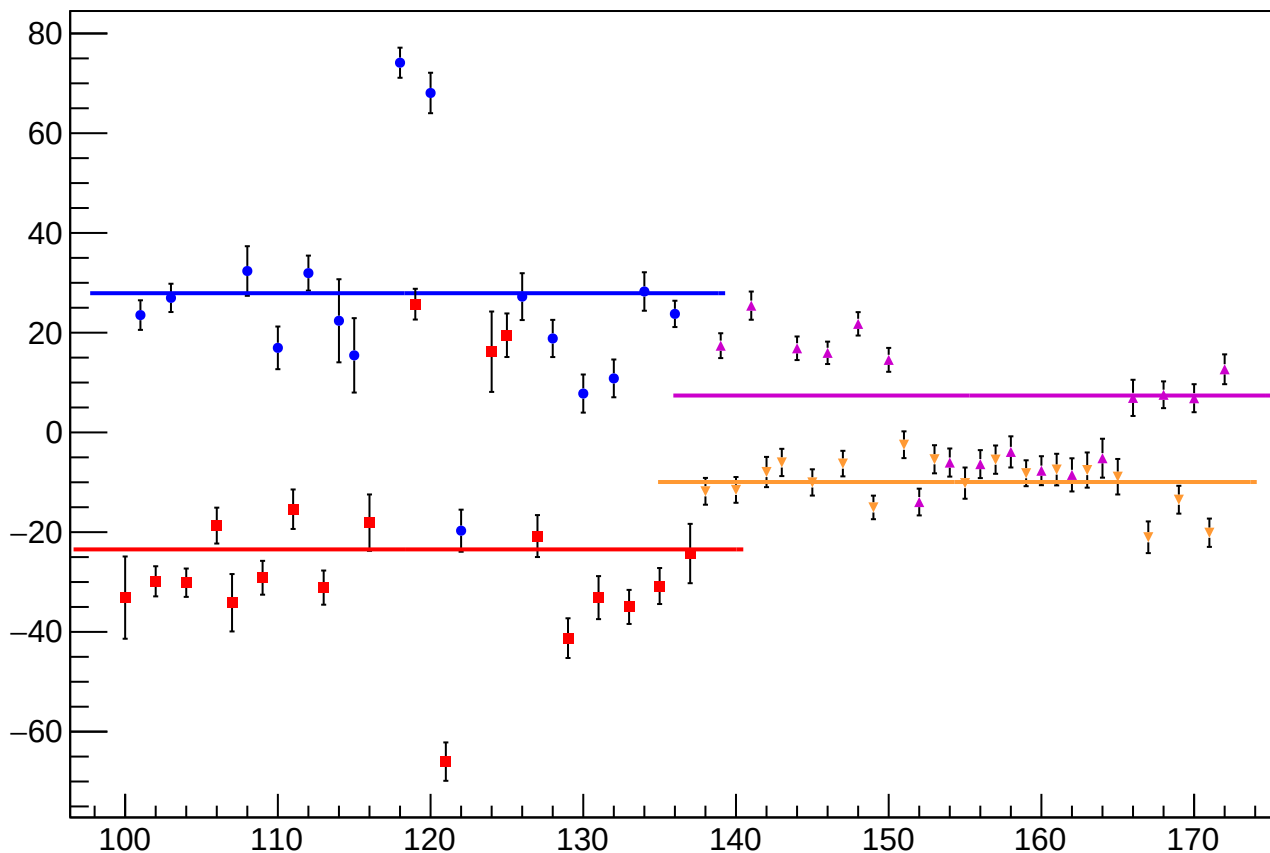
Left In: 1950.292+/-0.376 χ^2/NDF : 742858.6/16

+ sign 2063.921+/-0.320 χ^2/NDF : 1215687.8/33

All: 2061.421+/-0.226 χ^2/NDF : 2373322.3/69

- sign 2058.930+/-0.320 χ^2/NDF : 1157513.0/35

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

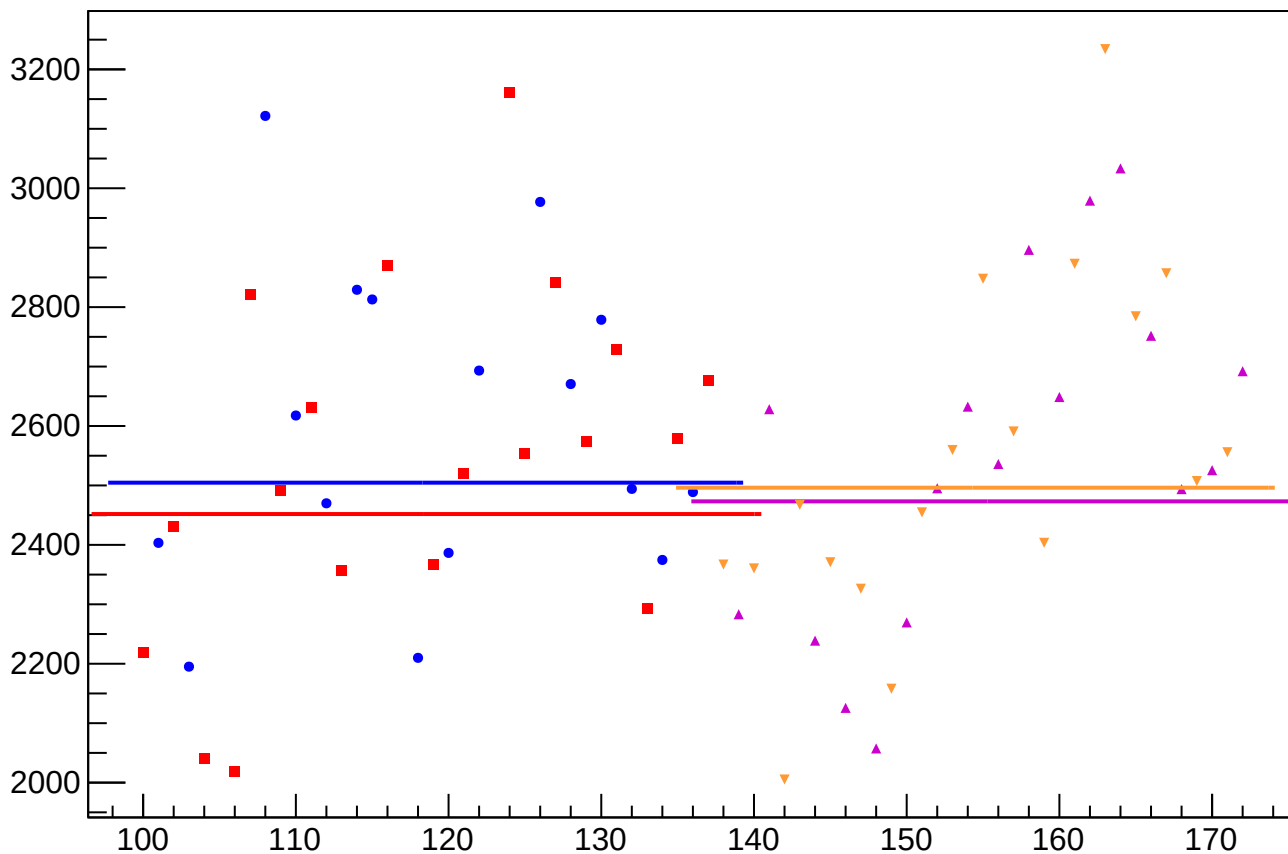
Left In: 7.398 ± 0.668 χ^2/NDF : 320.4/16

+ sign 2.764 ± 0.543 χ^2/NDF : 1667.0/33

All: -0.412 ± 0.382 χ^2/NDF : 3378.0/69

- sign -3.521 ± 0.537 χ^2/NDF : 1643.3/35

diff_bpm1i06Y_rms vs Slug



Right In: 2504.654 $\pm$ 0.662 χ^2 /NDF: 126599.1/15

Left Out: 2496.193 $\pm$ 0.471 χ^2 /NDF:304161.0/17

Right Out: 2451.880 $\pm$ 0.638 χ^2 /NDF: 153237.1/18

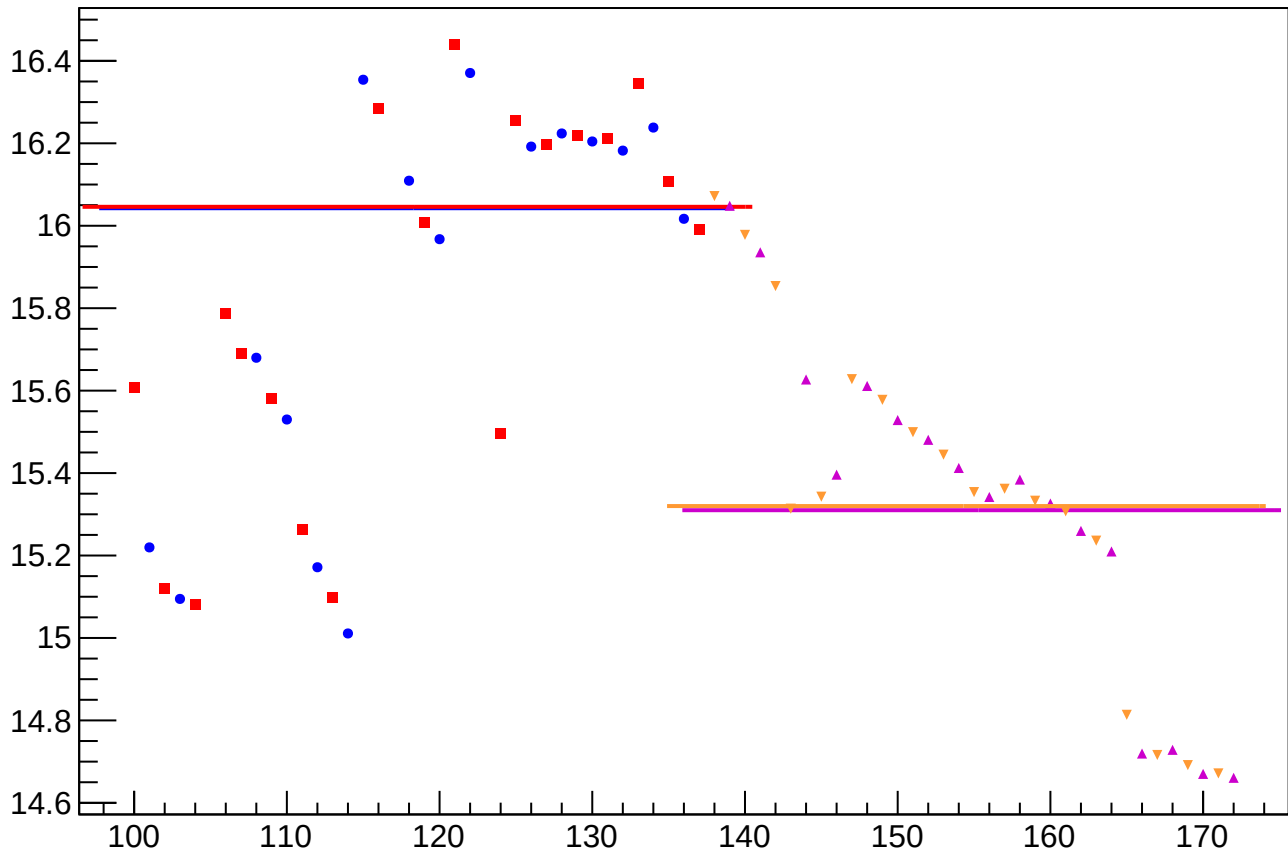
Left In: 2473.218 $\pm$ 0.472 χ^2 /NDF:324764.9/16

+ sign 2499.033 $\pm$ 0.384 χ^2 /NDF: 430868.5/33

All: 2482.172 $\pm$ 0.270 χ^2 /NDF: 913412.9/69

- sign 2465.667 $\pm$ 0.380 χ^2 /NDF: 478724.2/35

yield_sam1_mean vs Slug



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

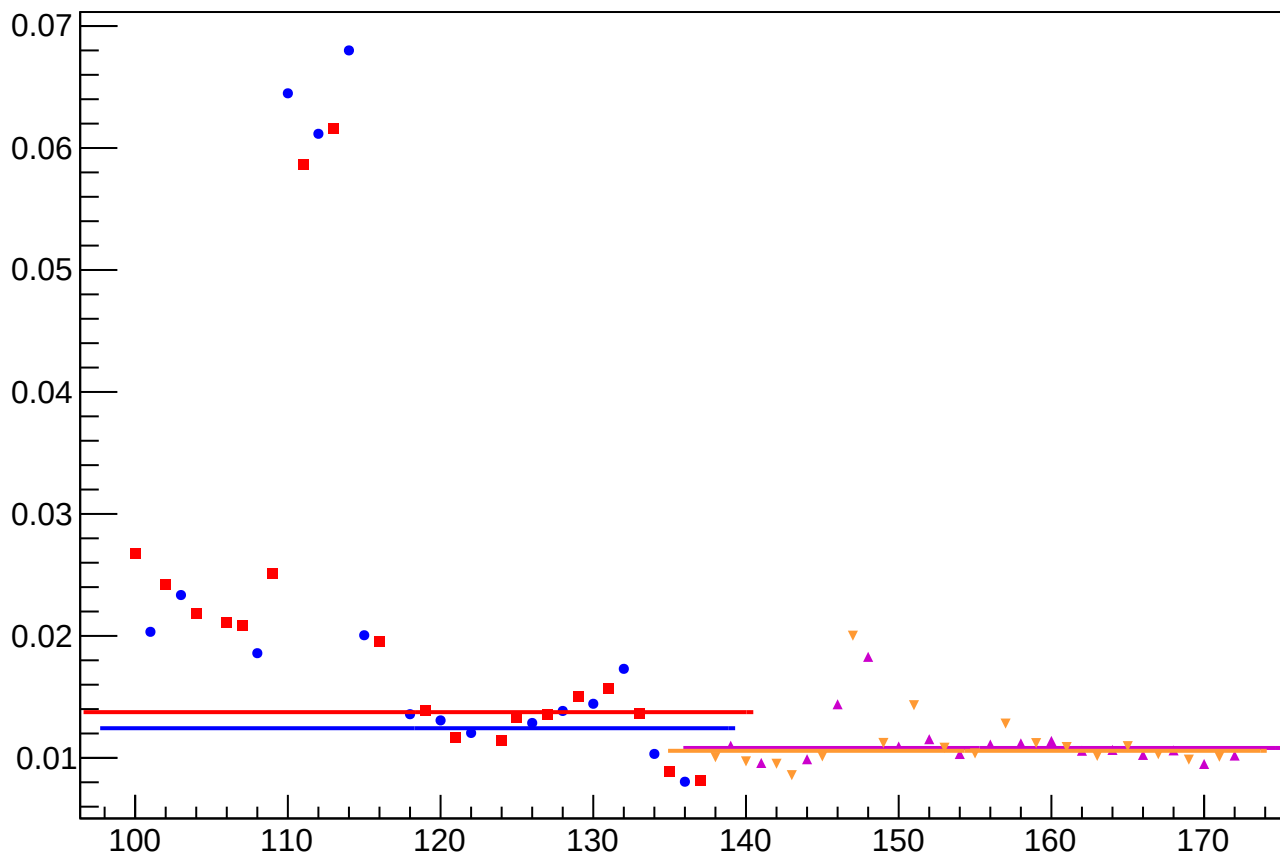
Left In: 15.310+/-0.000 χ^2/NDF : 20063414229.0/16

+ sign 15.487+/-0.000 χ^2/NDF : 37527335815.8/33

All: 15.477+/-0.000 χ^2/NDF : 74023254191.8

- sign 15.466+/-0.000 χ^2/NDF : 36462714098.0/35

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2316842.7/15

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:652368.0/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2230614.9/18

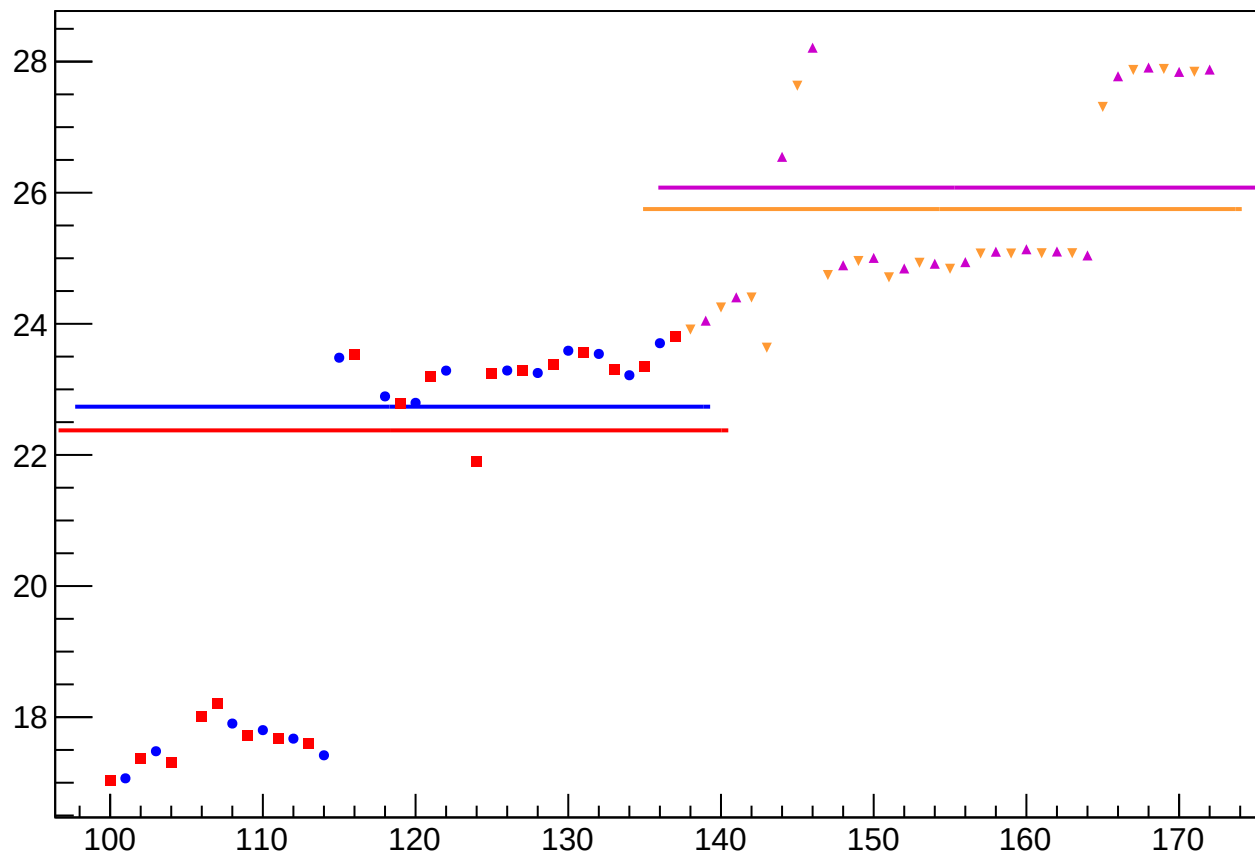
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:464606.9/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3156927.1/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6288173.2/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3104398.2/35

yield_sam2_mean vs Slug



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

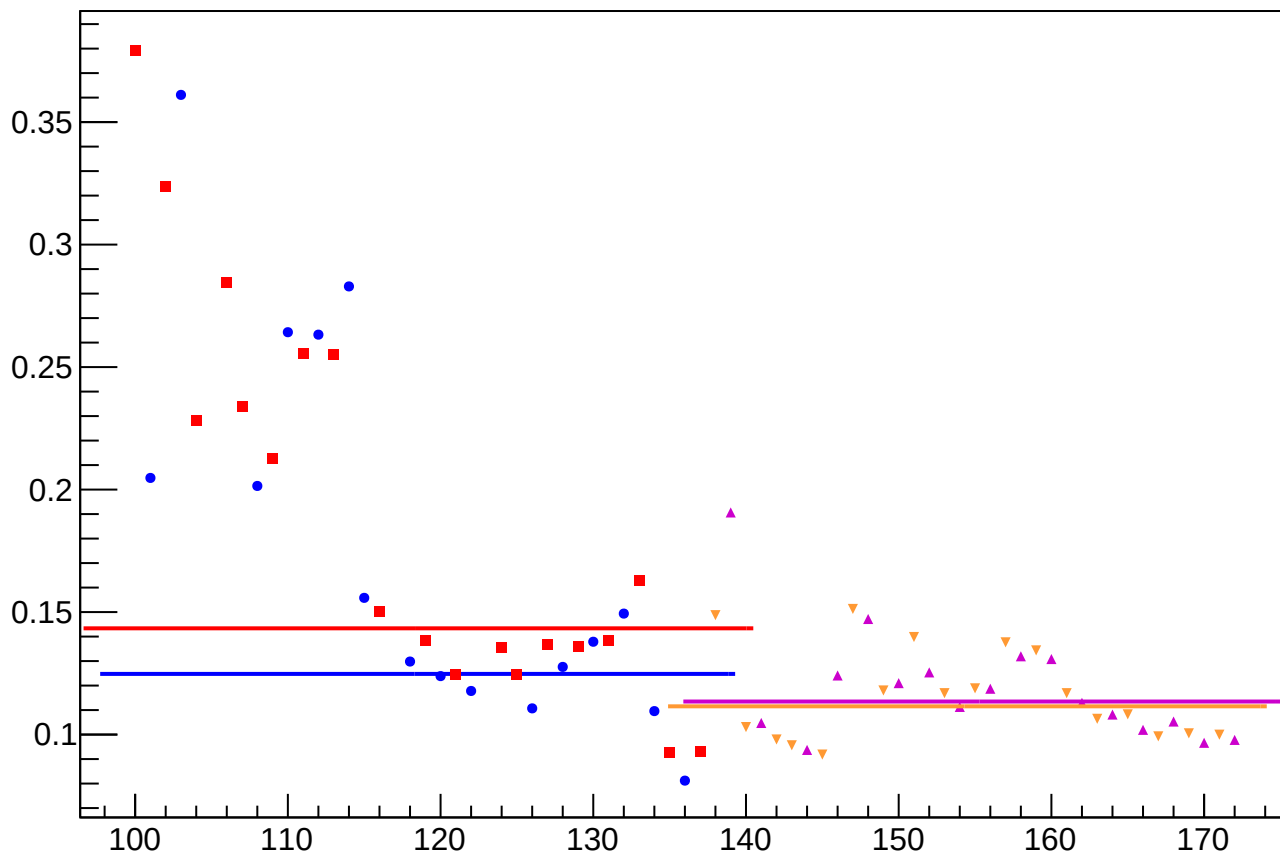
Left In: 26.078+/-0.000 χ^2/NDF : 1891251247.9/16

+ sign 24.966+/-0.000 χ^2/NDF : 5834954380.9/33

All: 25.088+/-0.000 χ^2/NDF : 11929992434.9

- sign 25.222+/-0.000 χ^2/NDF : 6053834073.0/35

yield_sam2_rms vs Slug



Right In: 0.125 $\pm$ 0.000 χ^2 /NDF: 1749818.7/15

Left Out: 0.112 $\pm$ 0.000 χ^2 /NDF:547997.3/17

Right Out: 0.143 $\pm$ 0.000 χ^2 /NDF: 1570103.9/18

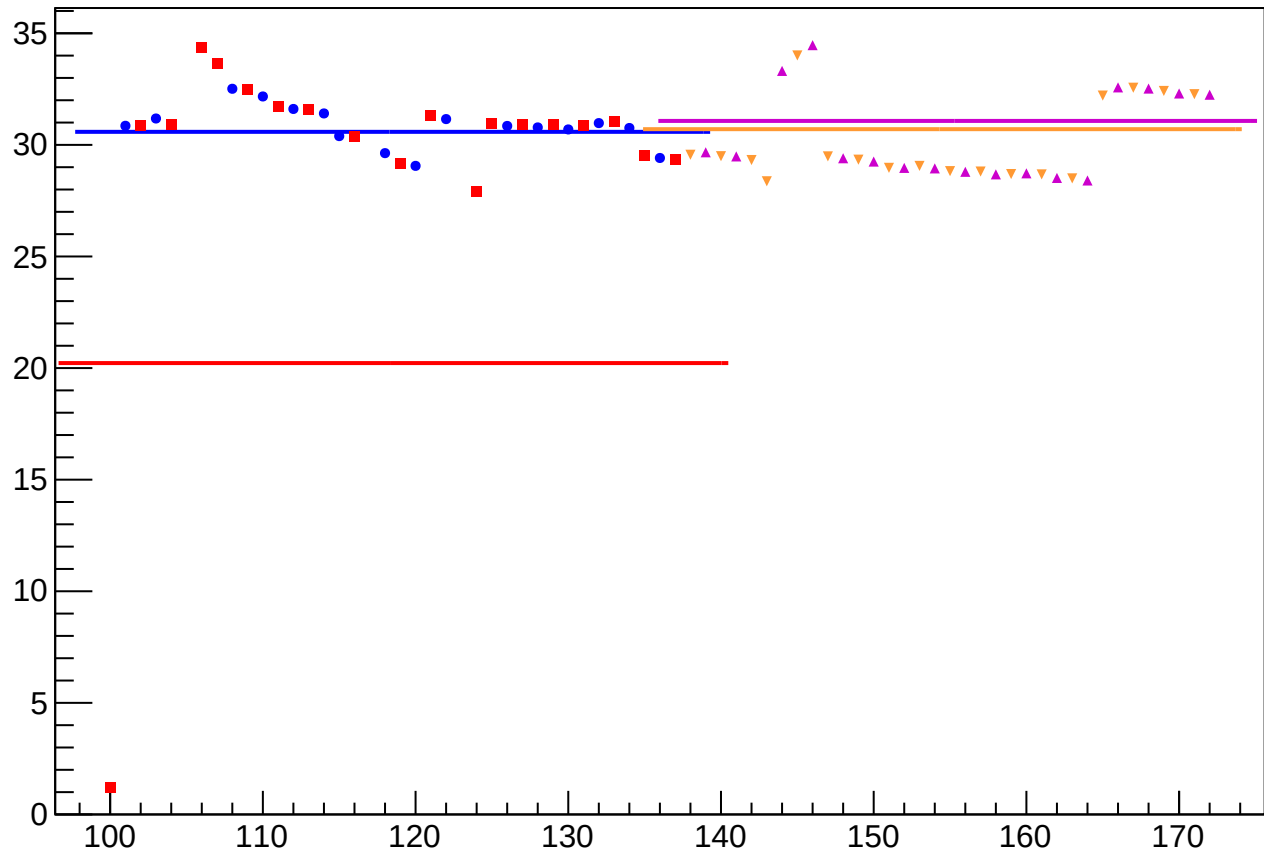
Left In: 0.113 $\pm$ 0.000 χ^2 /NDF:624619.0/16

+ sign 0.115 $\pm$ 0.000 χ^2 /NDF: 2386858.3/33

All: 0.118 $\pm$ 0.000 χ^2 /NDF: 5002442.4/69

- sign 0.120 $\pm$ 0.000 χ^2 /NDF: 2578418.5/35

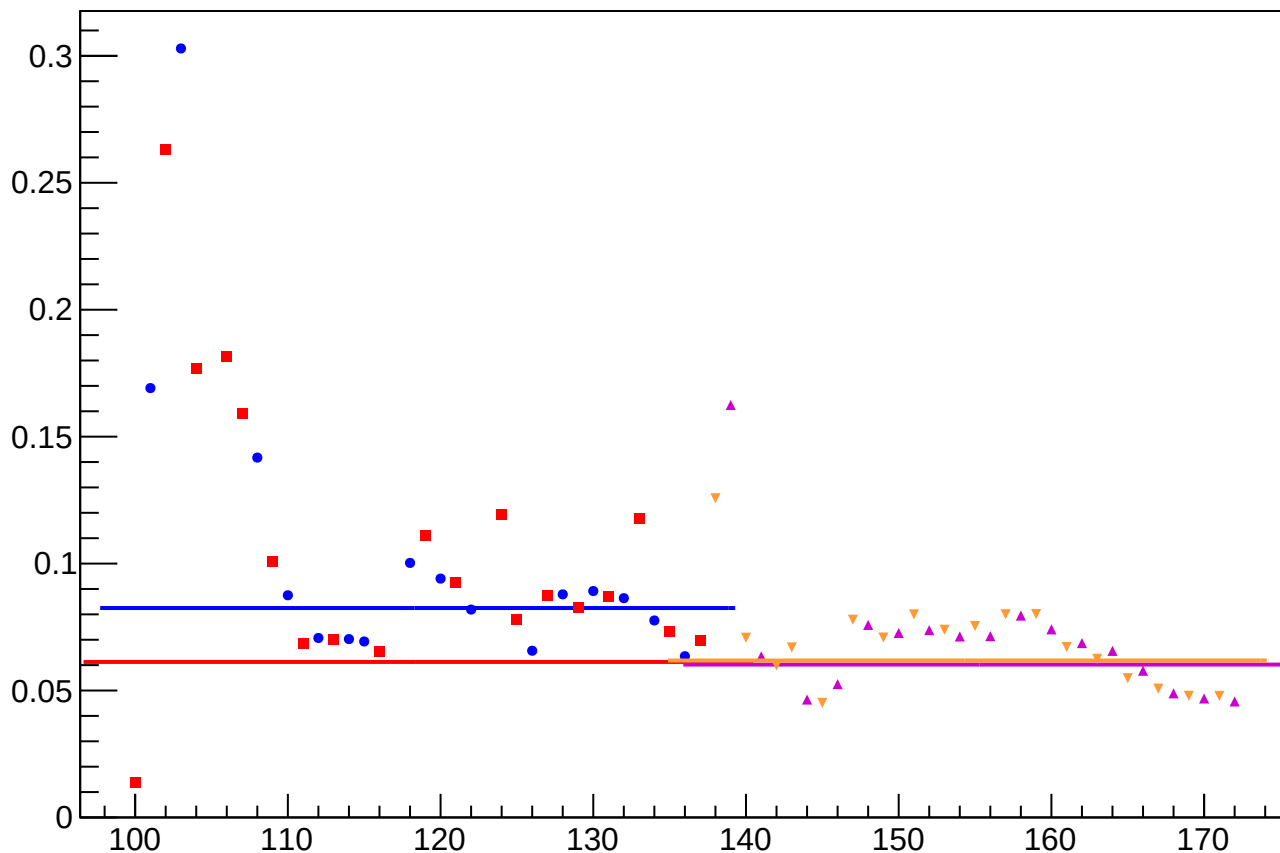
yield_sam3_mean vs Slug



Right In: 30.585 $\pm$ 0.000 χ^2 /NDF: 652266844.4/15
 Left Out: 30.704 $\pm$ 0.000 χ^2 /NDF:10829750031.8/17
 Right Out: 20.224 $\pm$ 0.000 χ^2 /NDF: 221262816636.2/18
 Left In: 31.074 $\pm$ 0.000 χ^2 /NDF:12153881394.1/16

+ sign 30.678 $\pm$ 0.000 χ^2 /NDF: 11490651825.9/33
 All: 29.322 $\pm$ 0.000 χ^2 /NDF: 350390755540.
 - sign 28.097 $\pm$ 0.000 χ^2 /NDF: 326358862468.6/35

yield_sam3_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1261492.7/15

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF:1212276.9/17

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 4014305.3/18

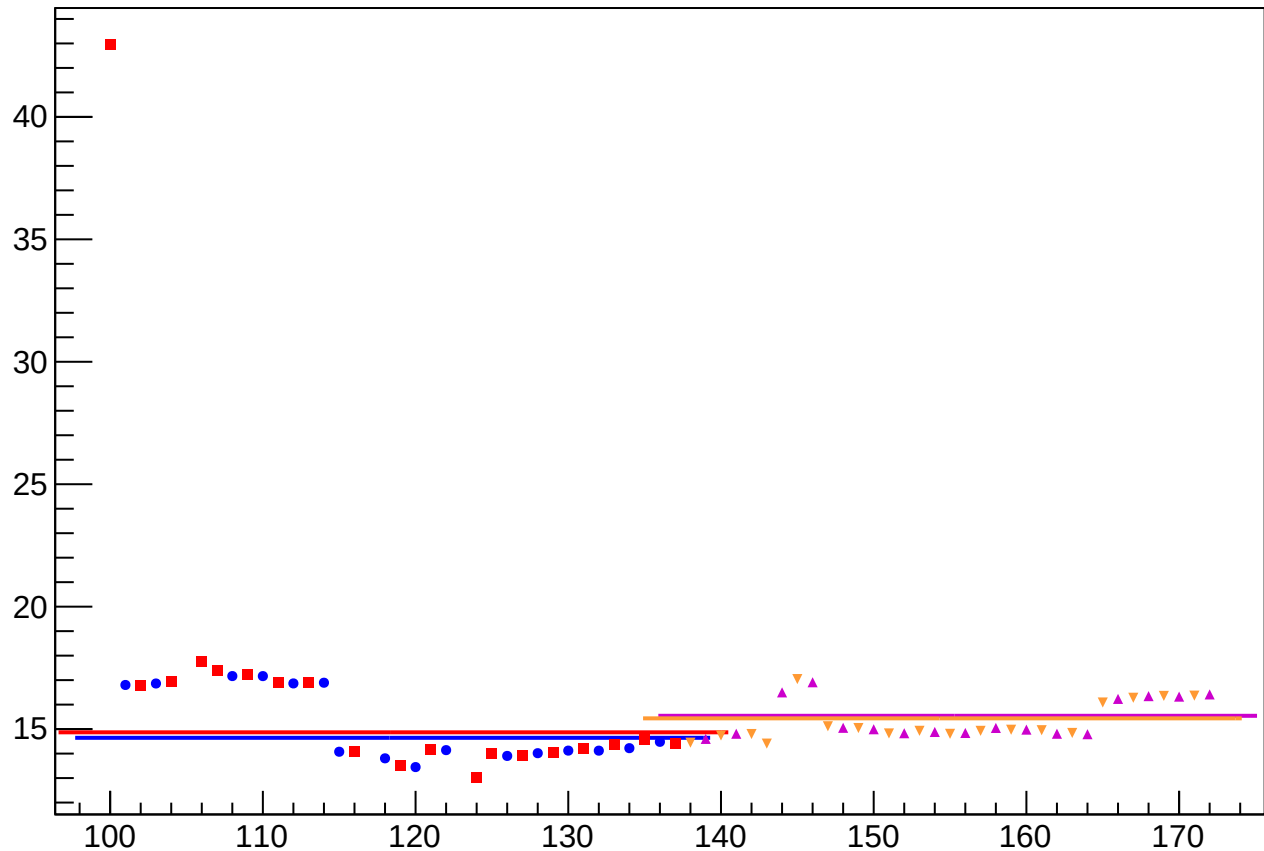
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF:1478665.9/16

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 2992658.9/33

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 8613099.0/69

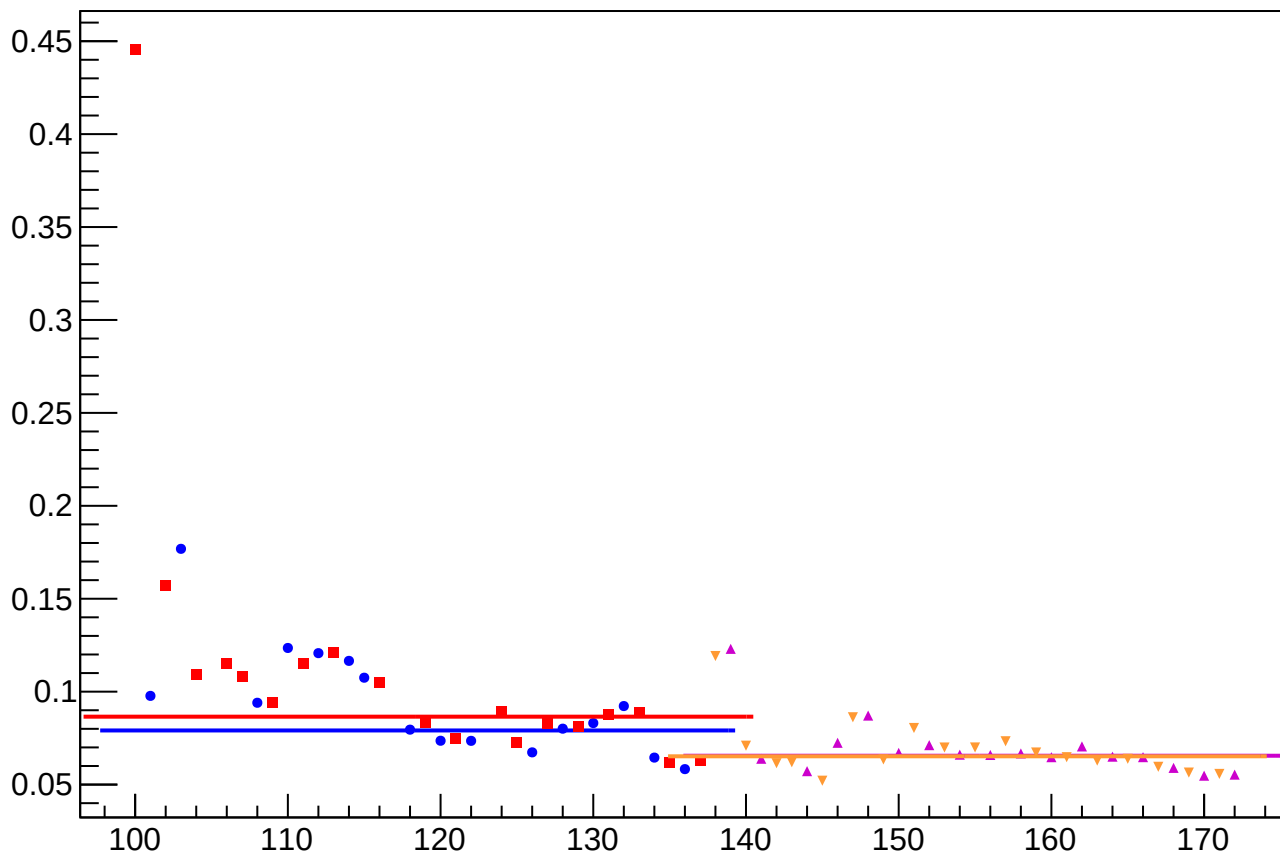
- sign 0.061 $\pm$ 0.000 χ^2 /NDF: 5494691.3/35

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: 15.543+/-0.000 χ^2/NDF : 1658604997.6/16
 + sign 15.239+/-0.000 χ^2/NDF : 3478258086.8/33
 - sign 15.387+/-0.000 χ^2/NDF : 3676082634.2/35
 All: 15.312+/-0.000 χ^2/NDF : 7194292327.4/6

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

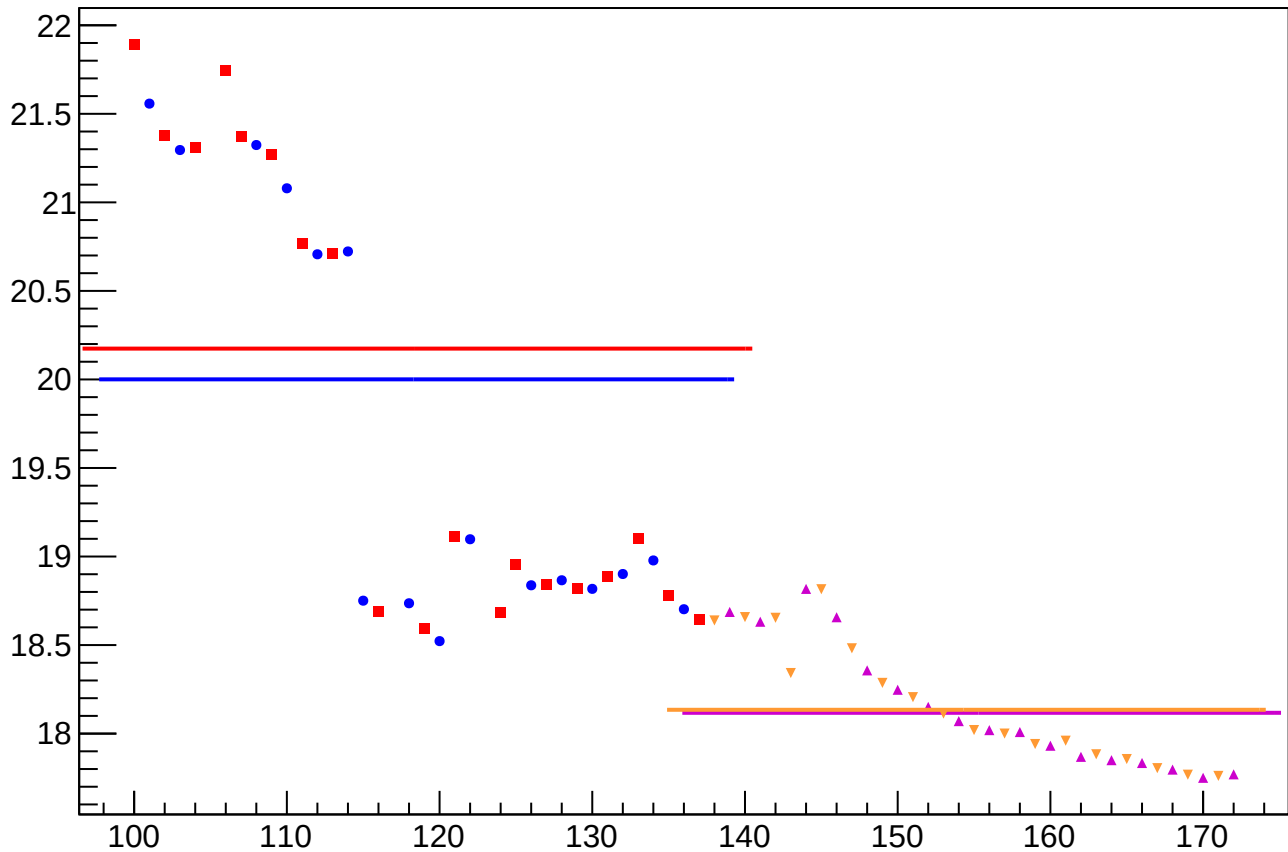
Left In: 0.066+/-0.000 χ^2/NDF : 632371.4/16

+ sign 0.069+/-0.000 χ^2/NDF : 1843249.9/33

All: 0.070+/-0.000 χ^2/NDF : 3836891.5/69

- sign 0.070+/-0.000 χ^2/NDF : 1983548.2/35

yield_sam5_mean vs Slug



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

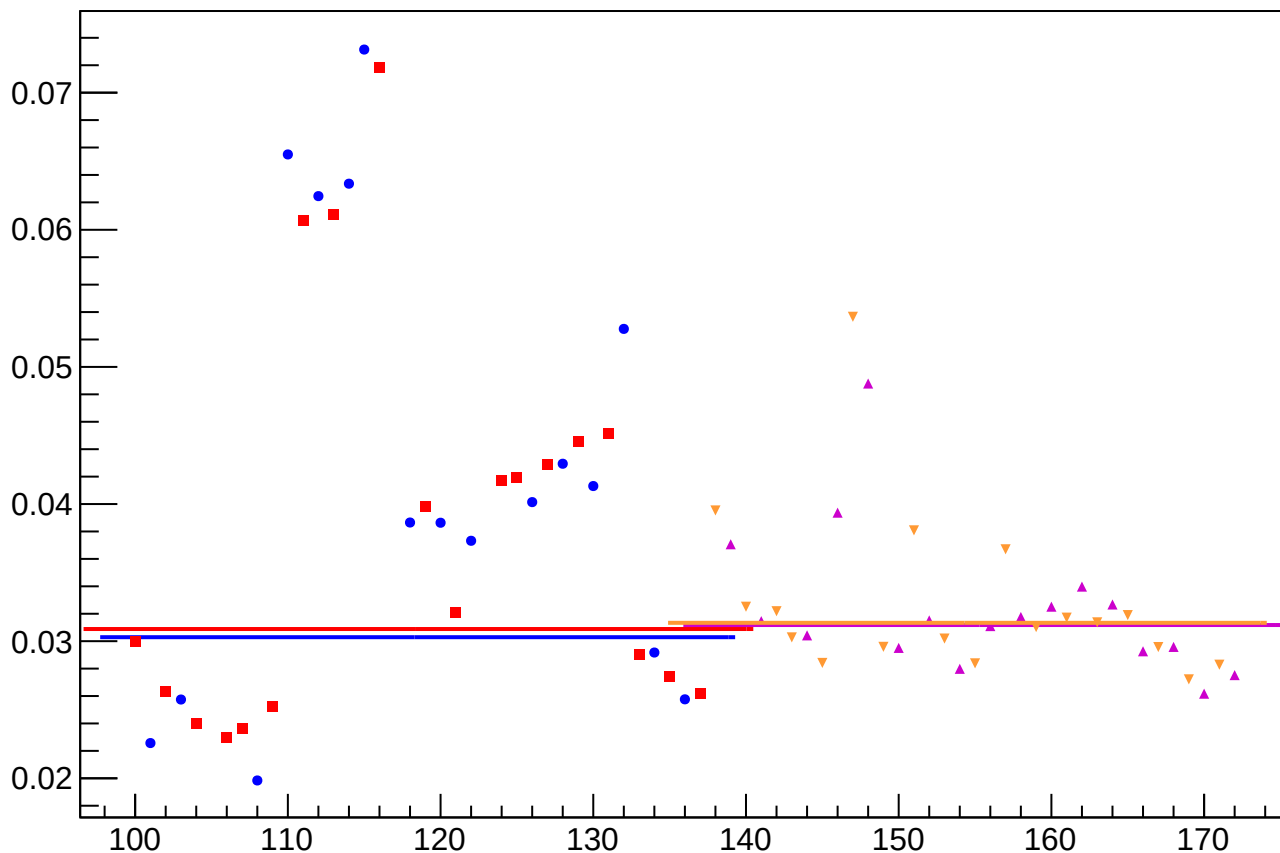
Left In: 18.117+/-0.000 χ^2/NDF : 1611290655.5/16

+ sign 18.736+/-0.000 χ^2/NDF : 27745562591.3/33

All: 18.760+/-0.000 χ^2/NDF : 58440488401.4

- sign 18.784+/-0.000 χ^2/NDF : 30671187659.2/35

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

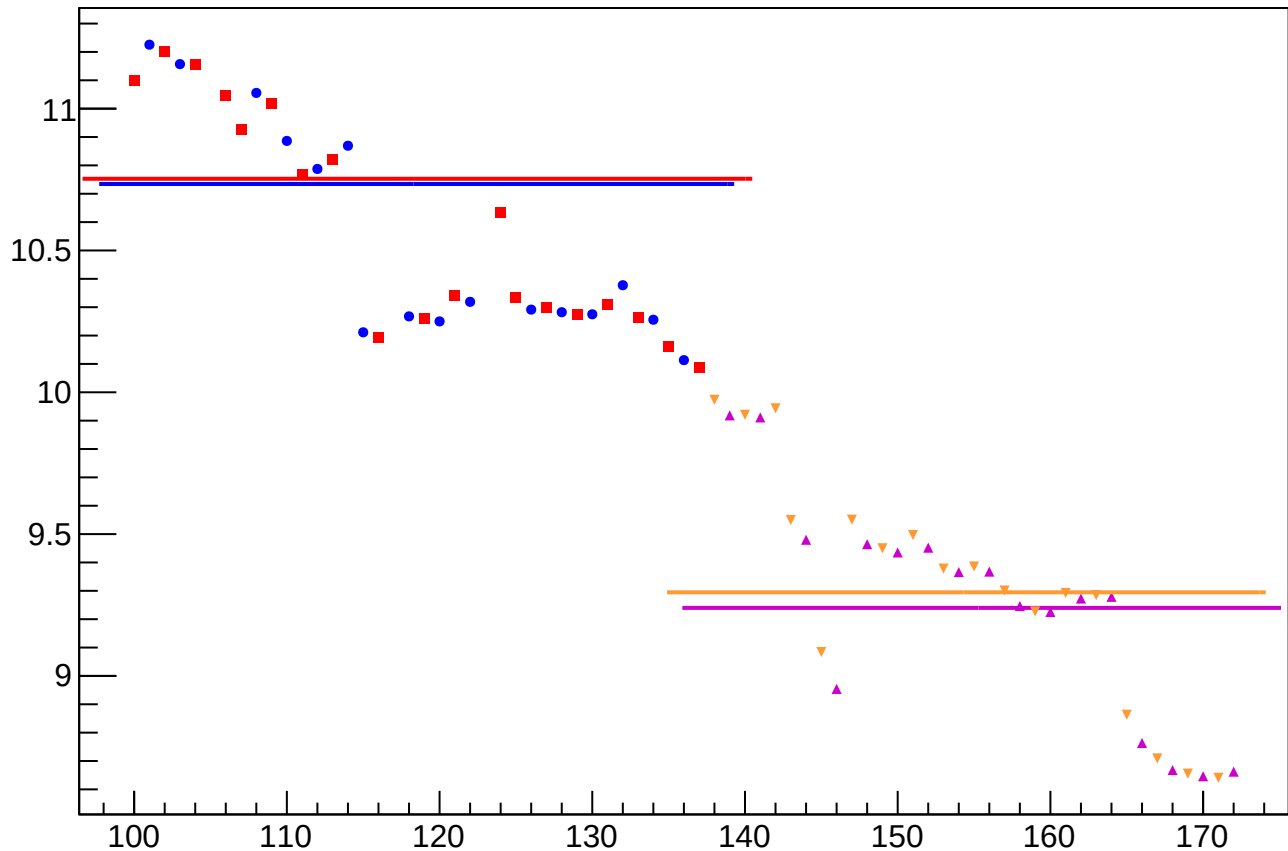
Left In: 0.031+/-0.000 χ^2/NDF : 458387.1/16

+ sign 0.031+/-0.000 χ^2/NDF : 1987435.0/33

All: 0.031+/-0.000 χ^2/NDF : 3651435.4/69

- sign 0.031+/-0.000 χ^2/NDF : 1663863.8/35

yield_sam6_mean vs Slug



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

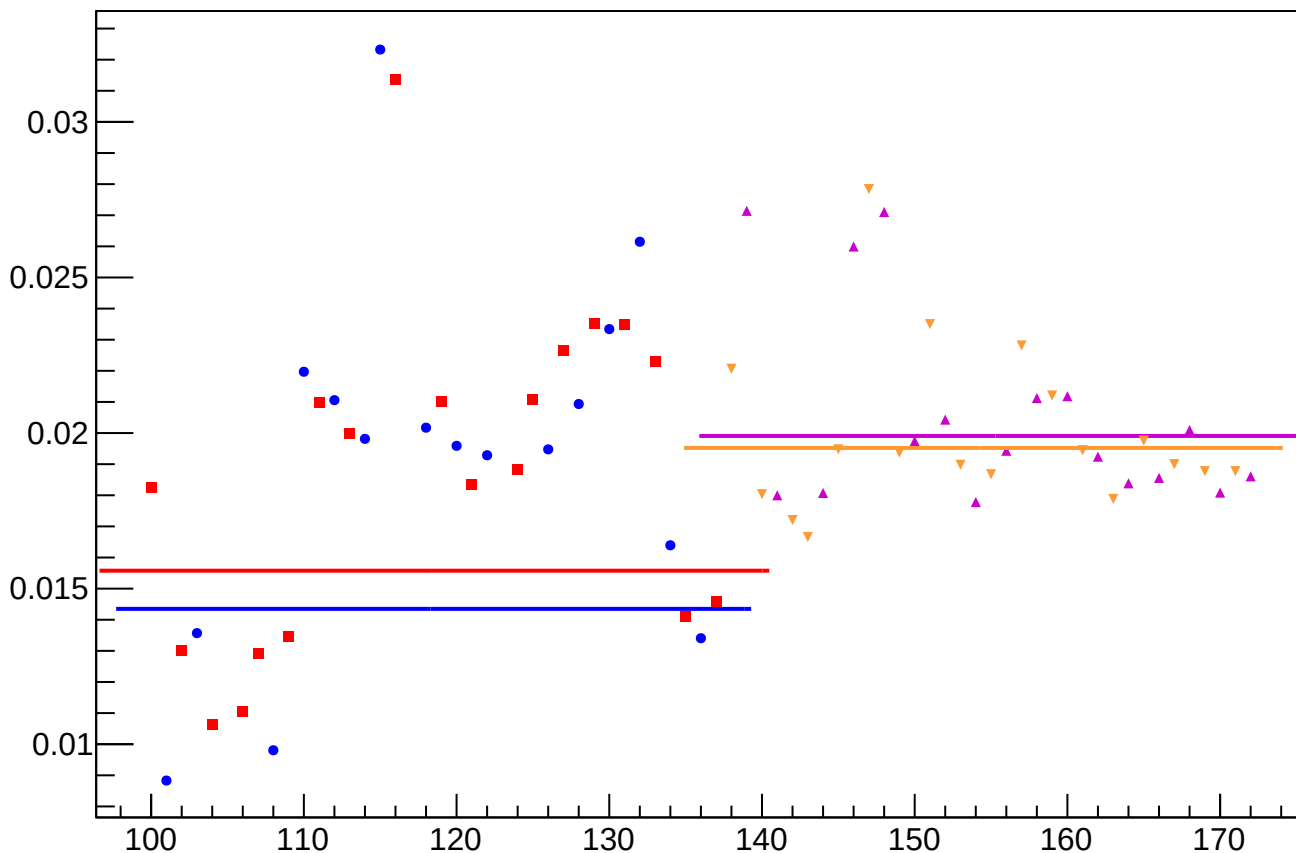
Left In: 9.240+/-0.000 χ^2/NDF : 4669443137.6/16

+ sign 9.941+/-0.000 χ^2/NDF : 42826458669.0/33

All: 9.927+/-0.000 χ^2/NDF : 84341381210.1/6

- sign 9.911+/-0.000 χ^2/NDF : 41488612961.9/35

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1481790.8/15

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:337629.3/17

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1071979.1/18

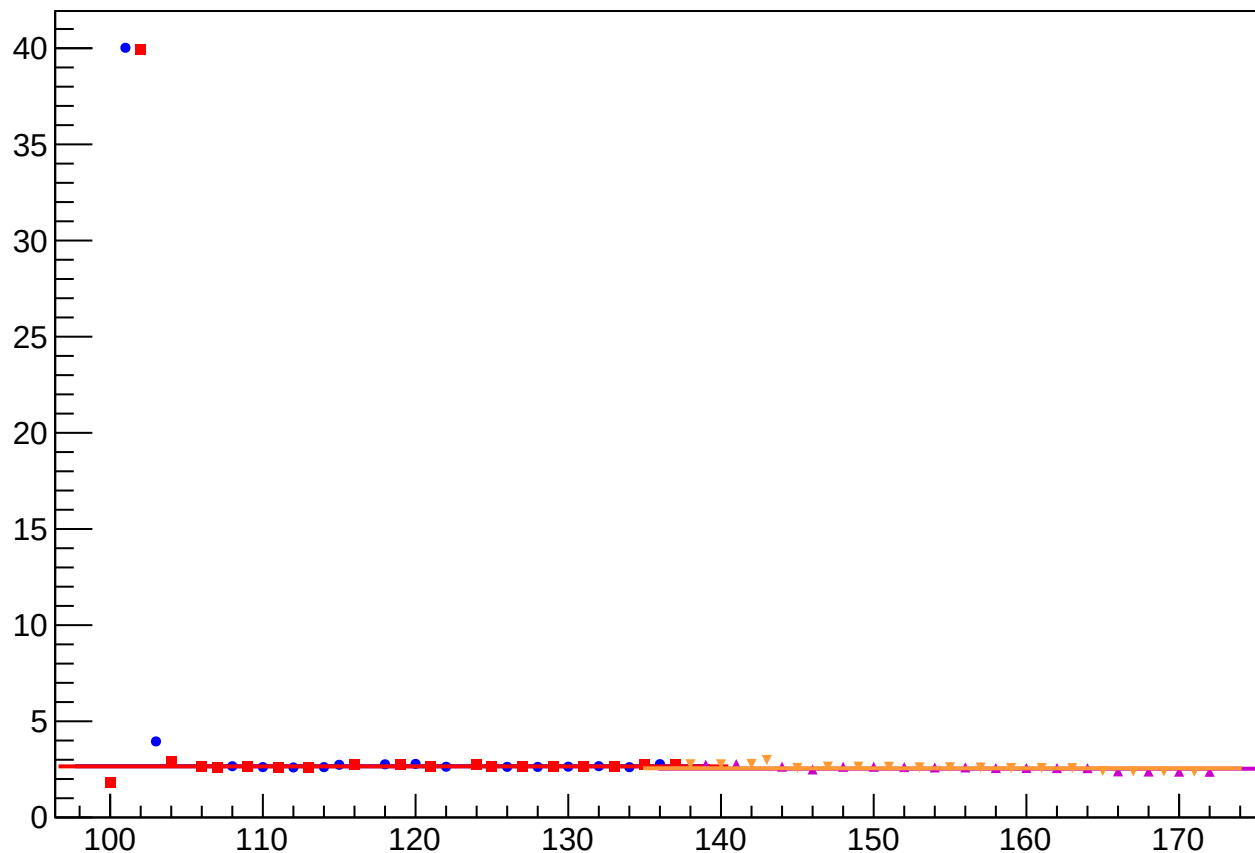
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:425893.4/16

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2633463.5/33

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4700130.3/69

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 2029973.0/35

yield_sam7_mean vs Slug



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 67839888284.3/15

Left Out: 2.557 $\pm$ 0.000 χ^2 /NDF: 57748771829.7/17

Right Out: 2.656 $\pm$ 0.000 χ^2 /NDF: 65056887880.1/18

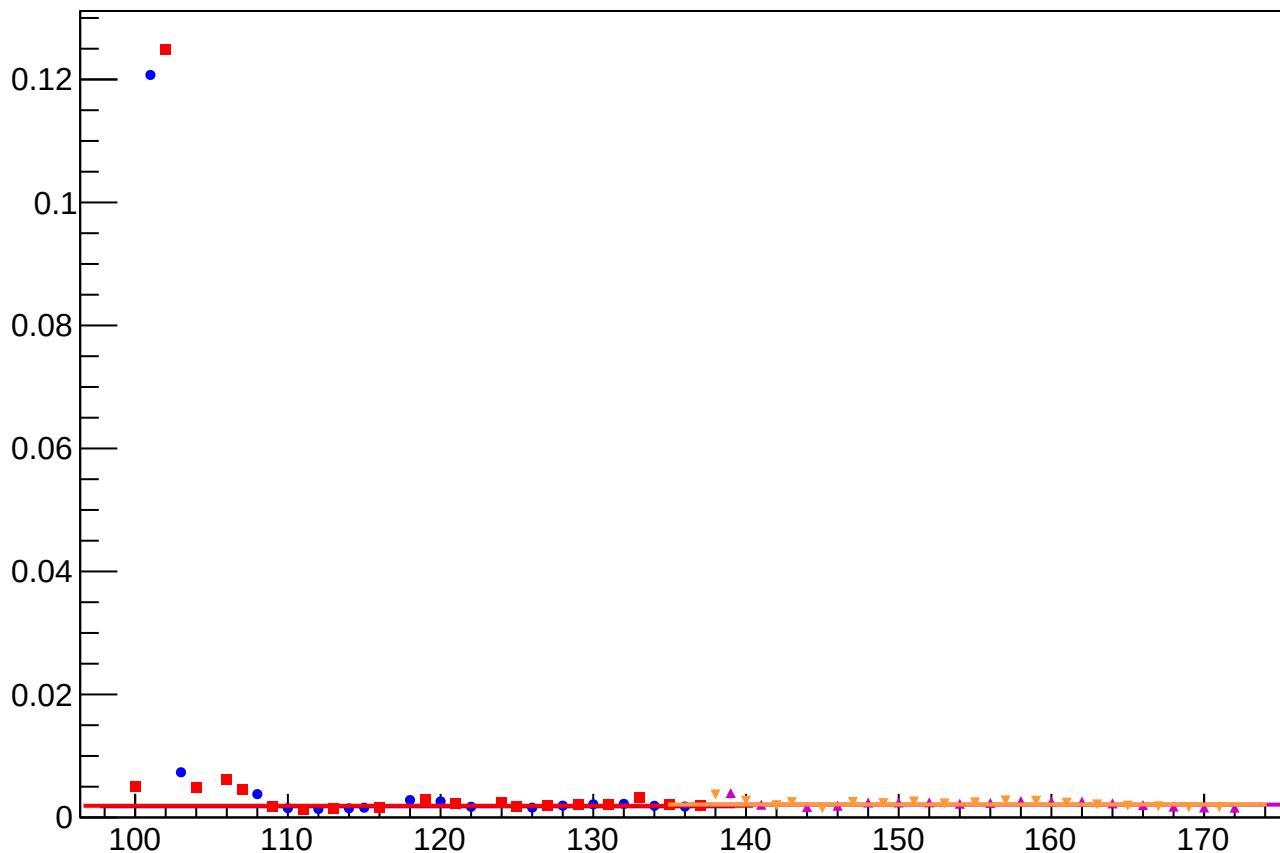
Left In: 2.535 $\pm$ 0.000 χ^2 /NDF: 39357172414.1/16

+ sign 2.595 $\pm$ 0.000 χ^2 /NDF: 136219829945.8/33

All: 2.586 $\pm$ 0.000 χ^2 /NDF: 254656196188.9

- sign 2.578 $\pm$ 0.000 χ^2 /NDF: 117839910682.6/35

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1822680.9/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1161121.8/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2525514.7/18

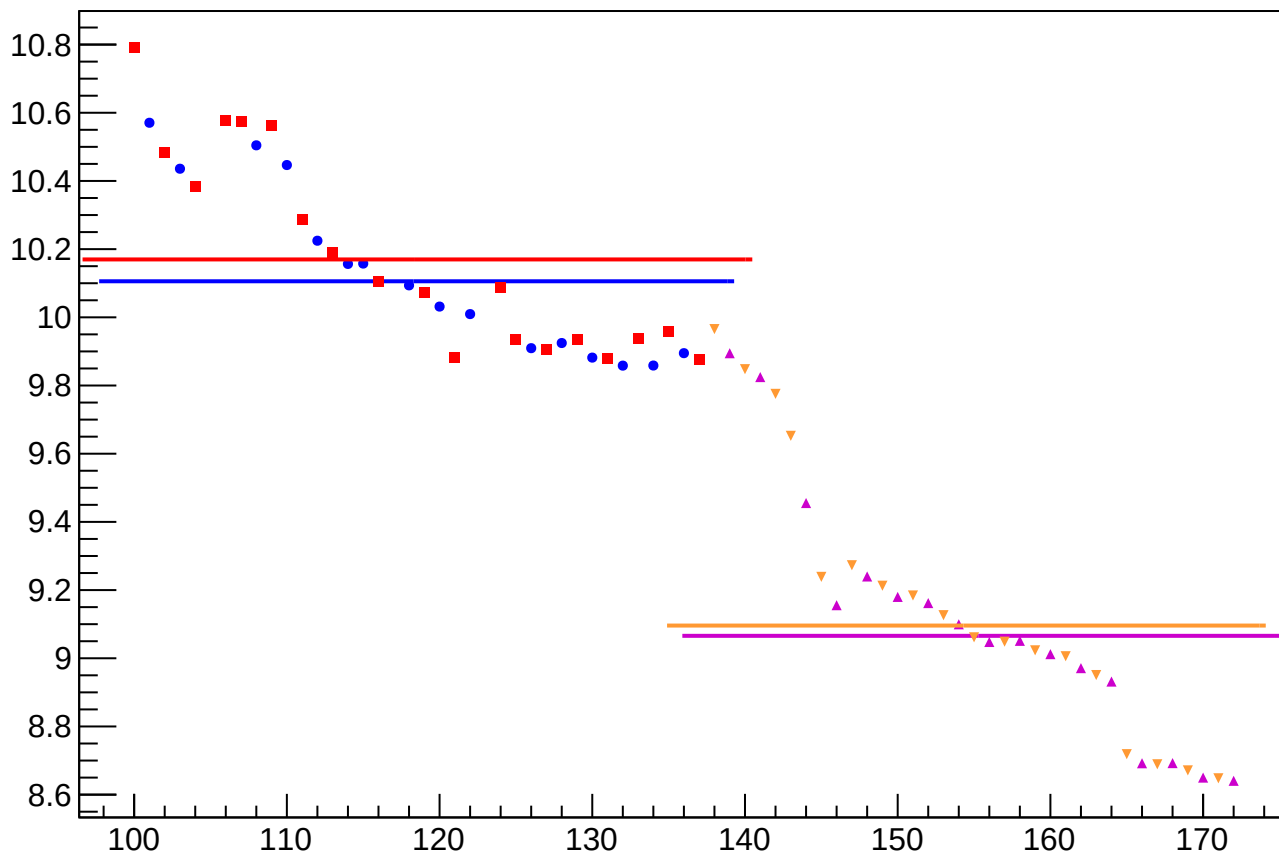
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1030530.2/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3140044.1/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6761456.0/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3619833.2/35

yield_sam8_mean vs Slug



Right In: 10.106 ± 0.000 $\chi^2/\text{NDF}: 9126550621.3/15$

Left Out: 9.096 ± 0.000 $\chi^2/\text{NDF}: 37239956371.5/17$

Right Out: 10.170 ± 0.000 $\chi^2/\text{NDF}: 9135610954.1/18$

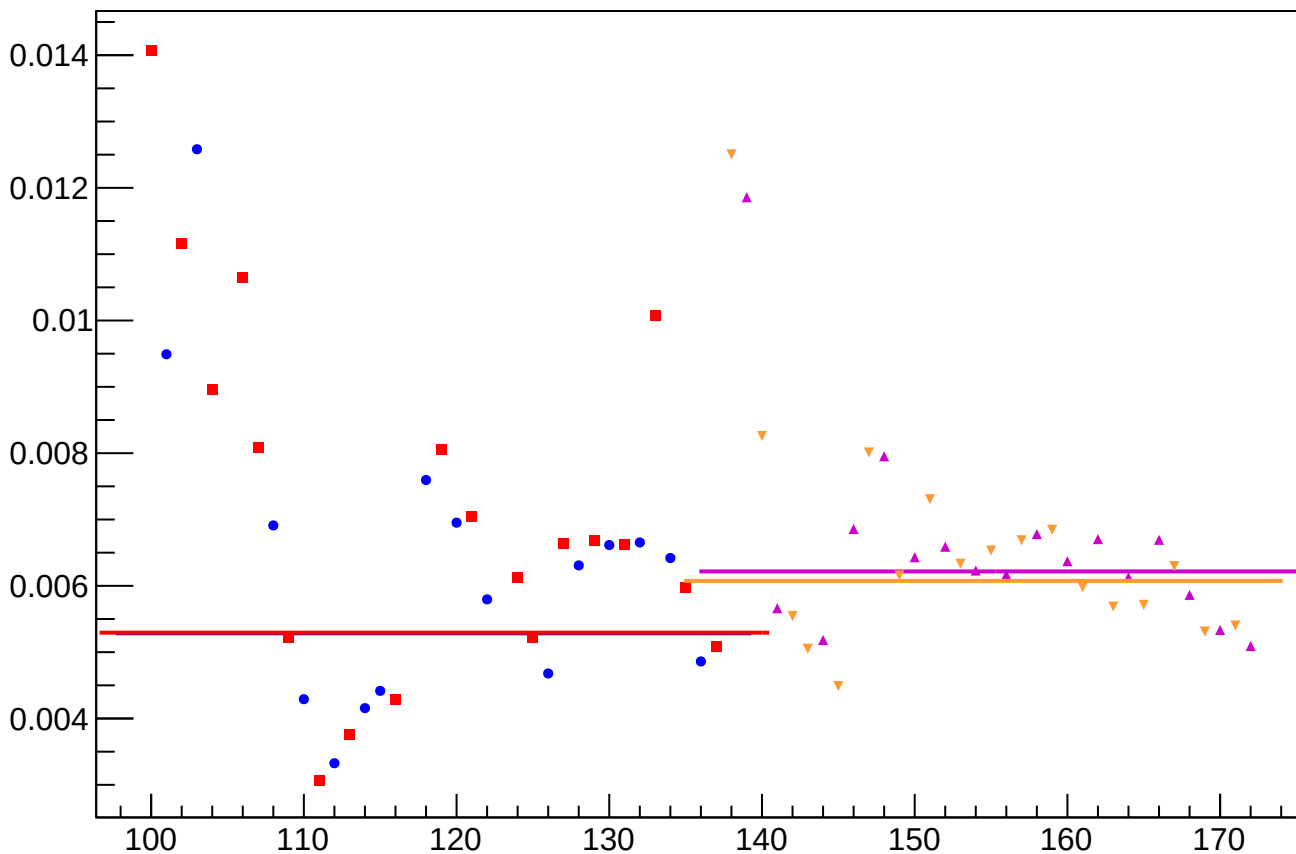
Left In: 9.066 ± 0.000 $\chi^2/\text{NDF}: 33002776799.8/16$

+ sign 9.485 ± 0.000 $\chi^2/\text{NDF}: 167526649221.8/33$

All: 9.499 ± 0.000 $\chi^2/\text{NDF}: 352795911360.7$

- sign 9.512 ± 0.000 $\chi^2/\text{NDF}: 185094968747.2/35$

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1274133.0/15

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 885634.0/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1792250.8/18

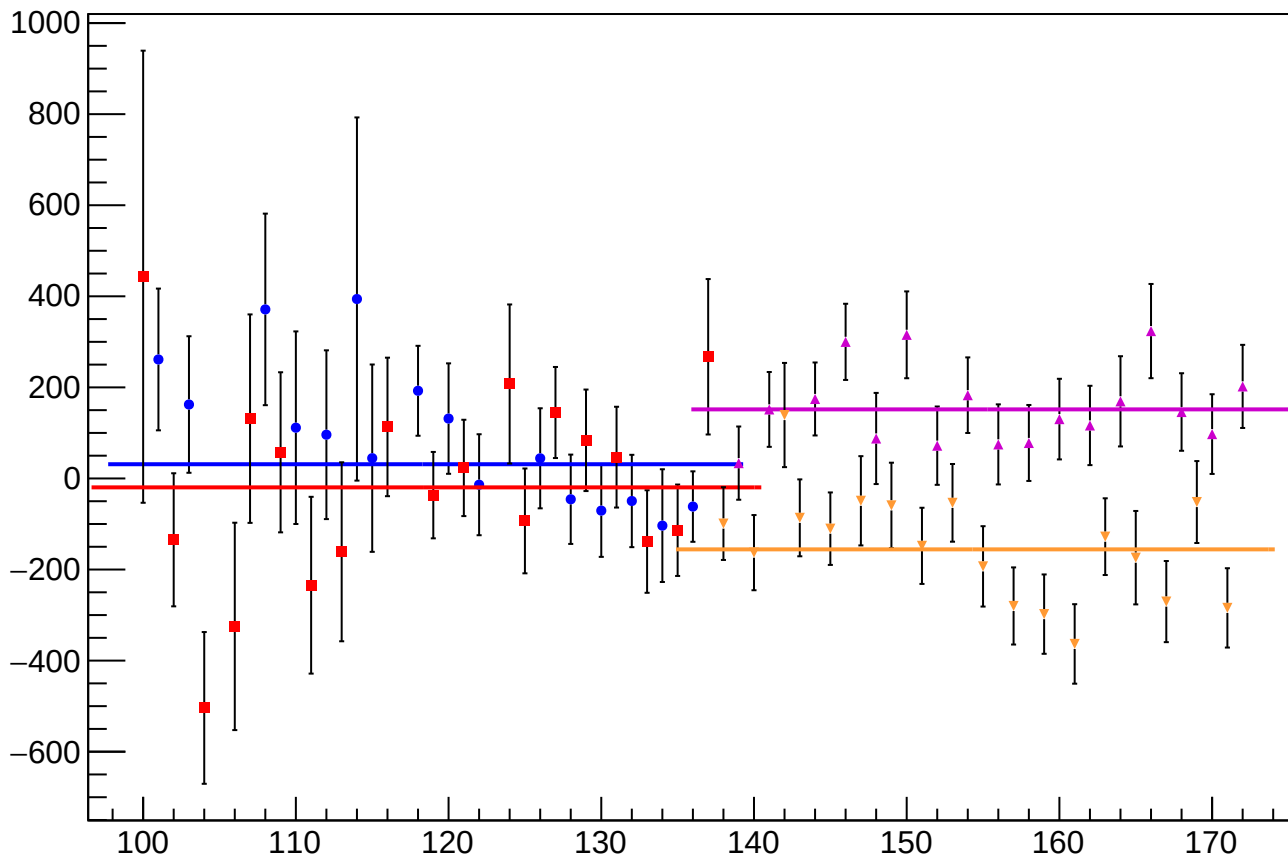
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 636327.6/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2308137.0/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4939438.2/69

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2628575.1/35

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

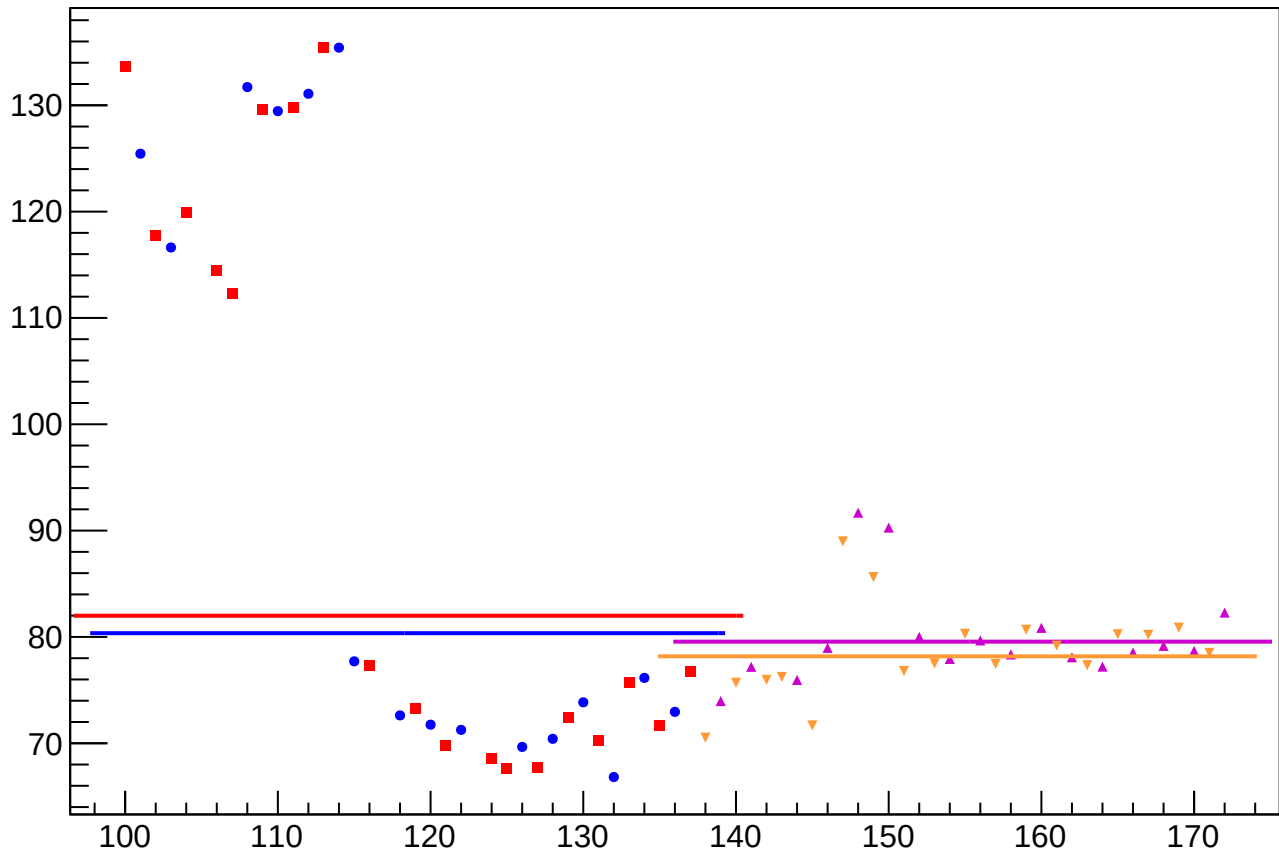
Left In: 151.686 ± 21.281 χ^2/NDF : 15.0/16

+ sign -97.345 ± 17.202 χ^2/NDF : 68.3/33

All: -2.164 ± 12.287 χ^2/NDF : 192.3/69

- sign 96.969 ± 17.556 χ^2/NDF : 61.6/35

reg_asym_sam1_rms vs Slug



Right In: 80.354 $\pm$ 0.022 χ^2 /NDF: 840039.5/15

Left Out: 78.176 $\pm$ 0.015 χ^2 /NDF: 79993.1/17

Right Out: 81.993 $\pm$ 0.022 χ^2 /NDF: 932337.7/18

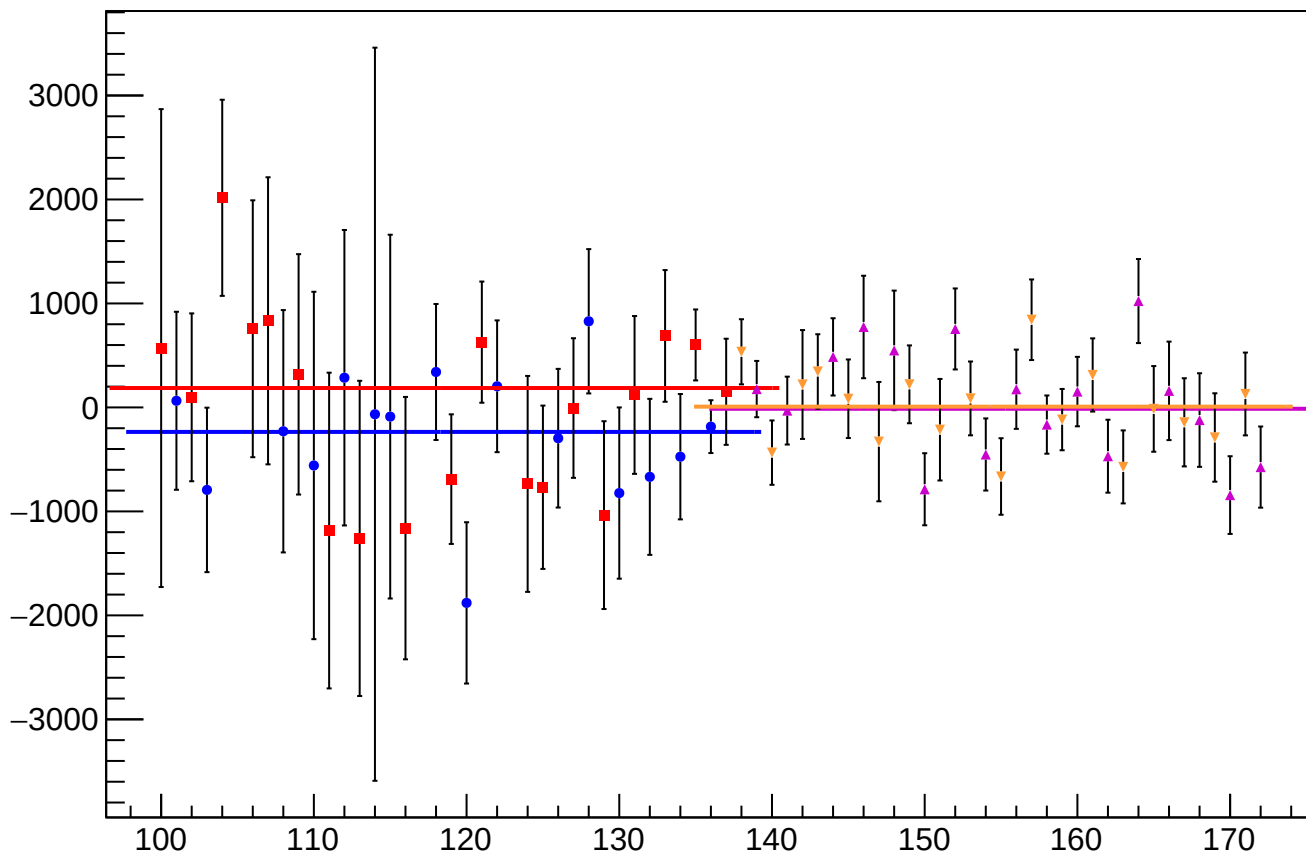
Left In: 79.556 $\pm$ 0.015 χ^2 /NDF: 75716.2/16

+ sign 78.856 $\pm$ 0.012 χ^2 /NDF: 926918.6/33

All: 79.580 $\pm$ 0.009 χ^2 /NDF: 1950591.0/69

- sign 80.334 $\pm$ 0.012 χ^2 /NDF: 1016433.9/35

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

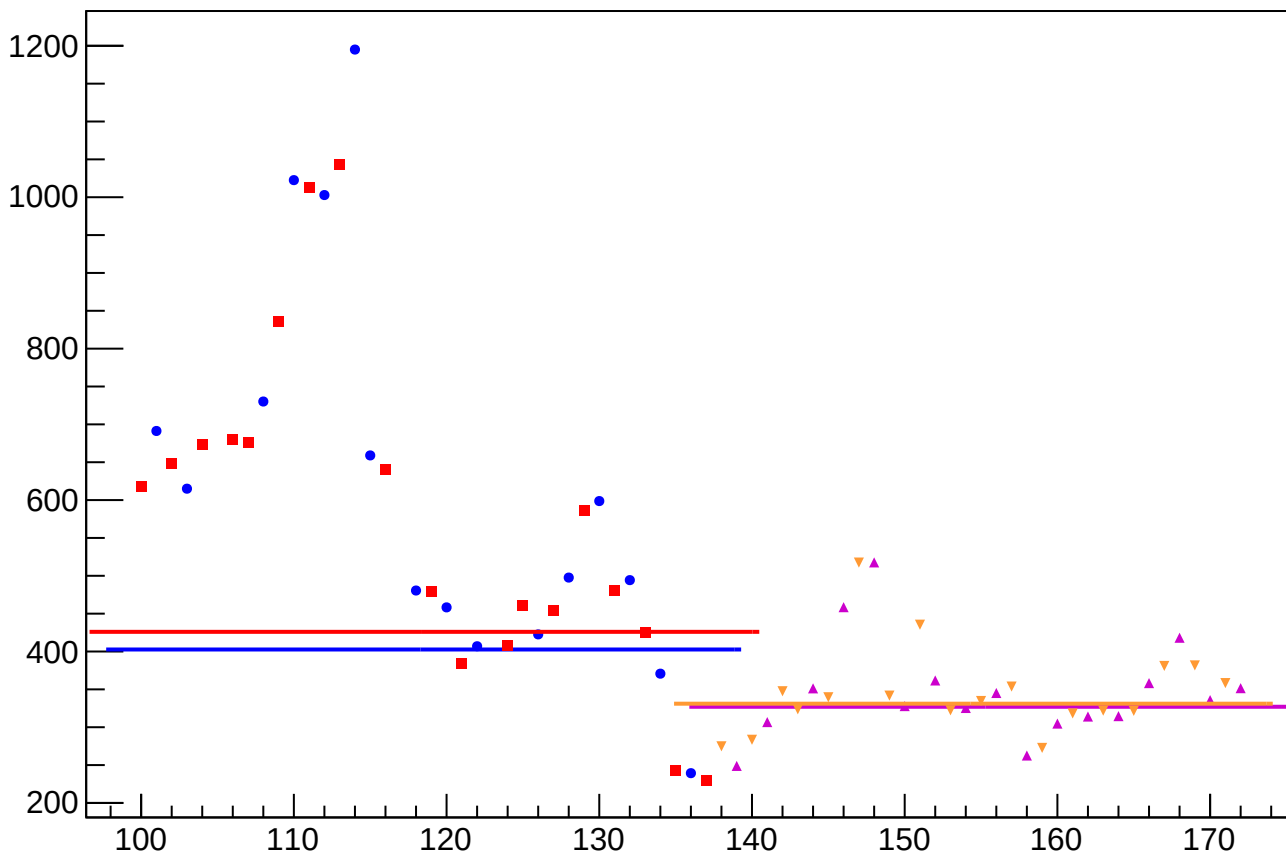
Left In: -12.985 ± 88.872 χ^2/NDF : 32.5/16

+ sign -47.907 ± 78.161 χ^2/NDF : 30.9/33

All: -9.418 ± 55.492 χ^2/NDF : 80.9/69

- sign 29.702 ± 78.798 χ^2/NDF : 49.5/35

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

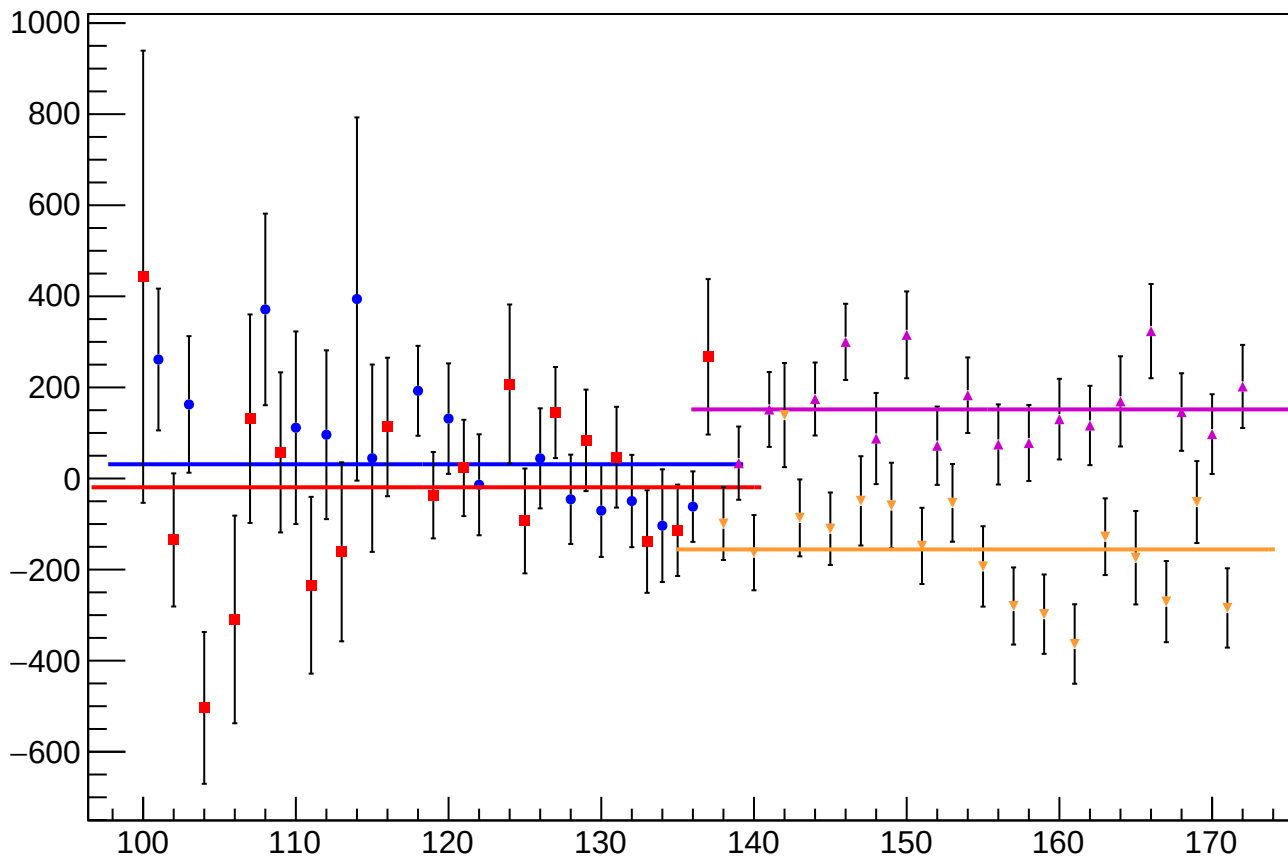
Left In: 327.025+/-0.063 χ^2/NDF : 784689.7/16

+ sign 347.381+/-0.055 χ^2/NDF : 3231957.4/33

All: 347.781+/-0.039 χ^2/NDF : 6915815.5/69

- sign 348.187+/-0.056 χ^2/NDF : 3683752.6/35

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

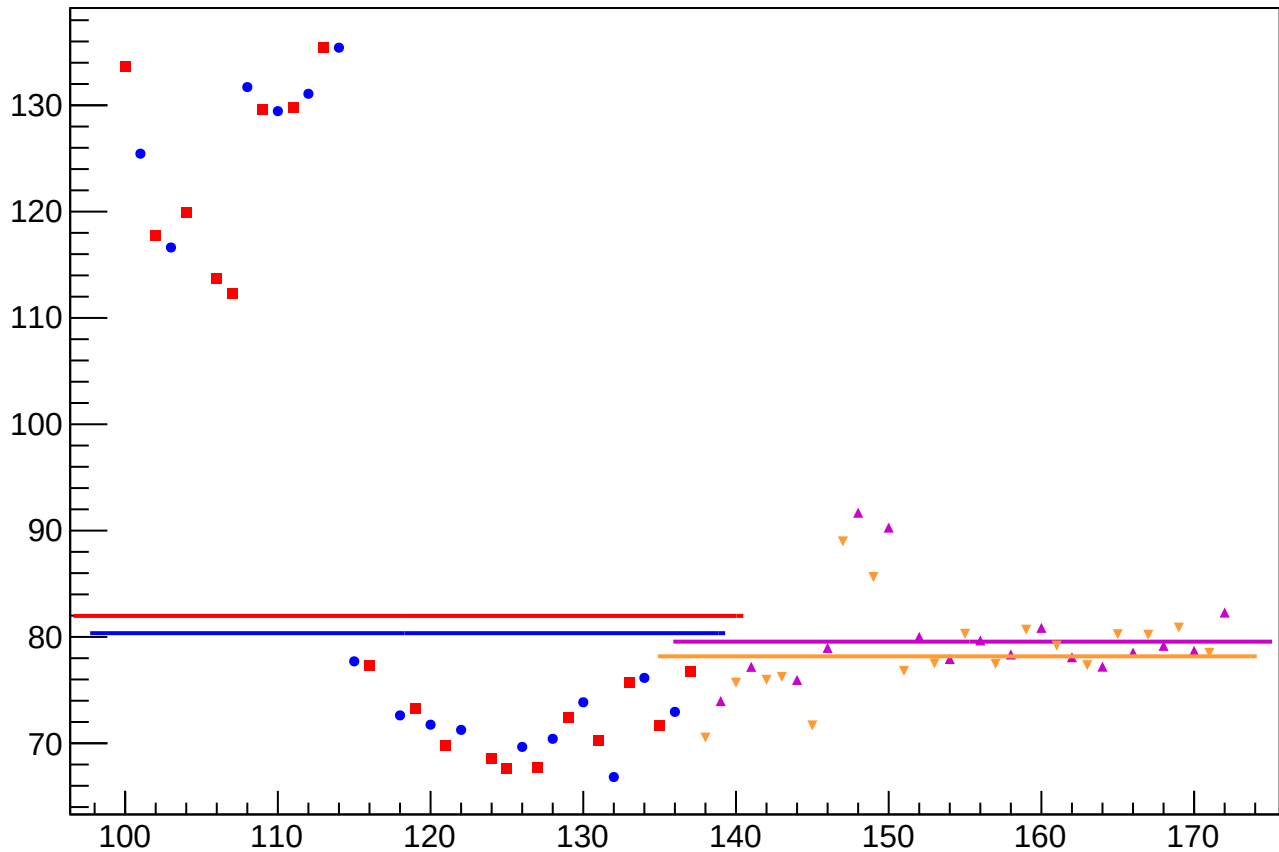
Left In: 151.691 ± 21.281 χ^2/NDF : 15.0/16

+ sign -97.340 ± 17.202 χ^2/NDF : 68.3/33

All: -2.114 ± 12.287 χ^2/NDF : 192.2/69

- sign 97.068 ± 17.556 χ^2/NDF : 61.3/35

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

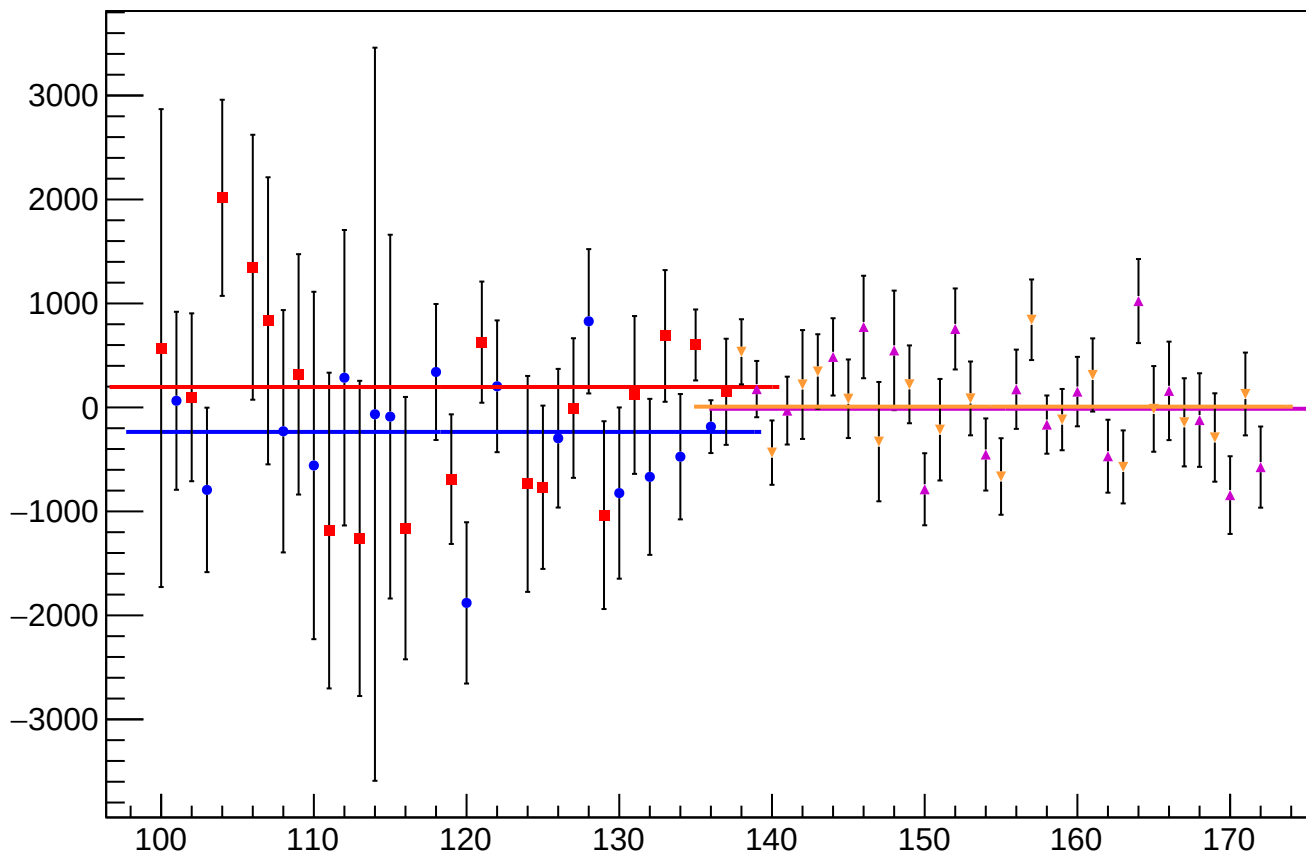
Left In: 79.556+/-0.015 χ^2/NDF : 75716.2/16

+ sign 78.856+/-0.012 χ^2/NDF : 926918.7/33

All: 79.578+/-0.009 χ^2/NDF : 1948569.2/69

- sign 80.330+/-0.012 χ^2/NDF : 1014459.2/35

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

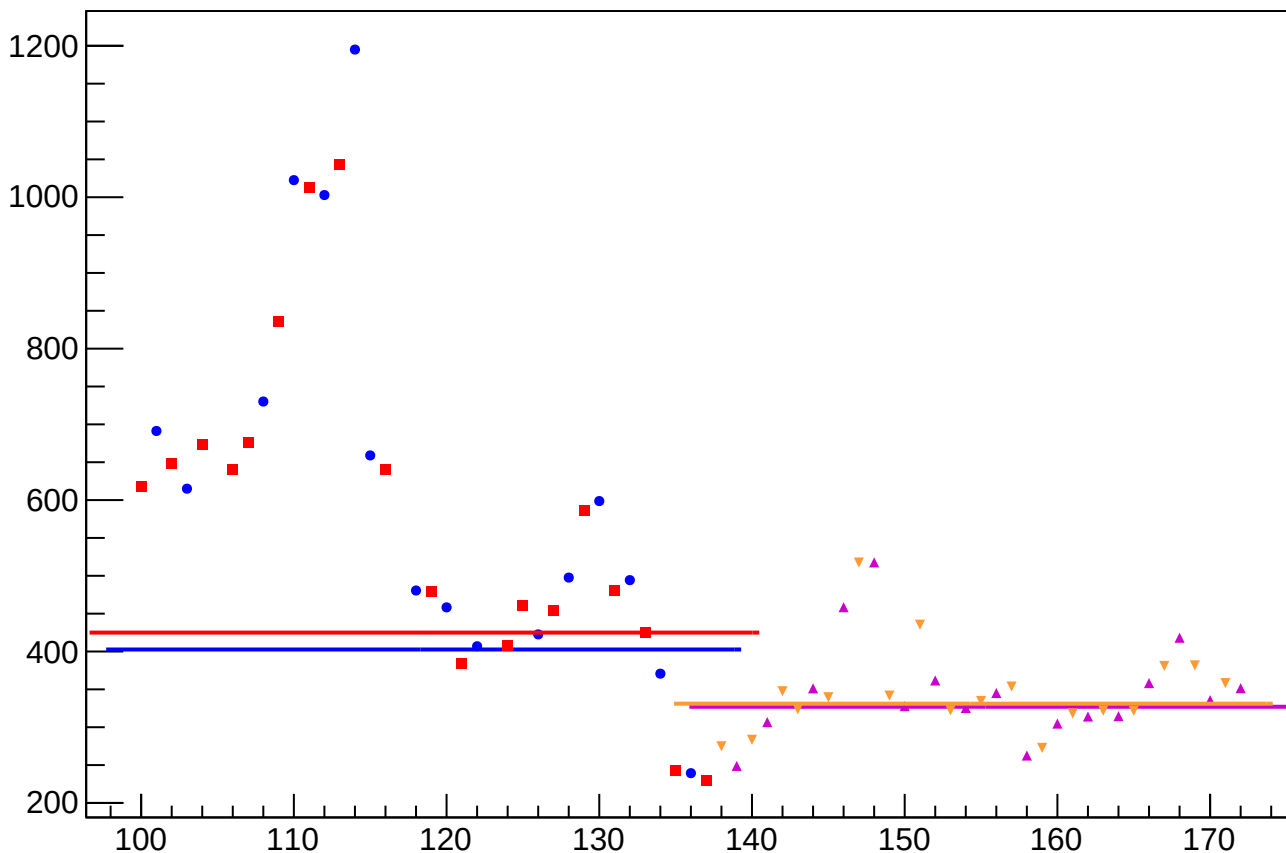
Left In: -12.979 ± 88.872 χ^2/NDF : 32.5/16

+ sign -47.906 ± 78.161 χ^2/NDF : 30.9/33

All: -8.384 ± 55.496 χ^2/NDF : 81.7/69

- sign 31.796 ± 78.808 χ^2/NDF : 50.3/35

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

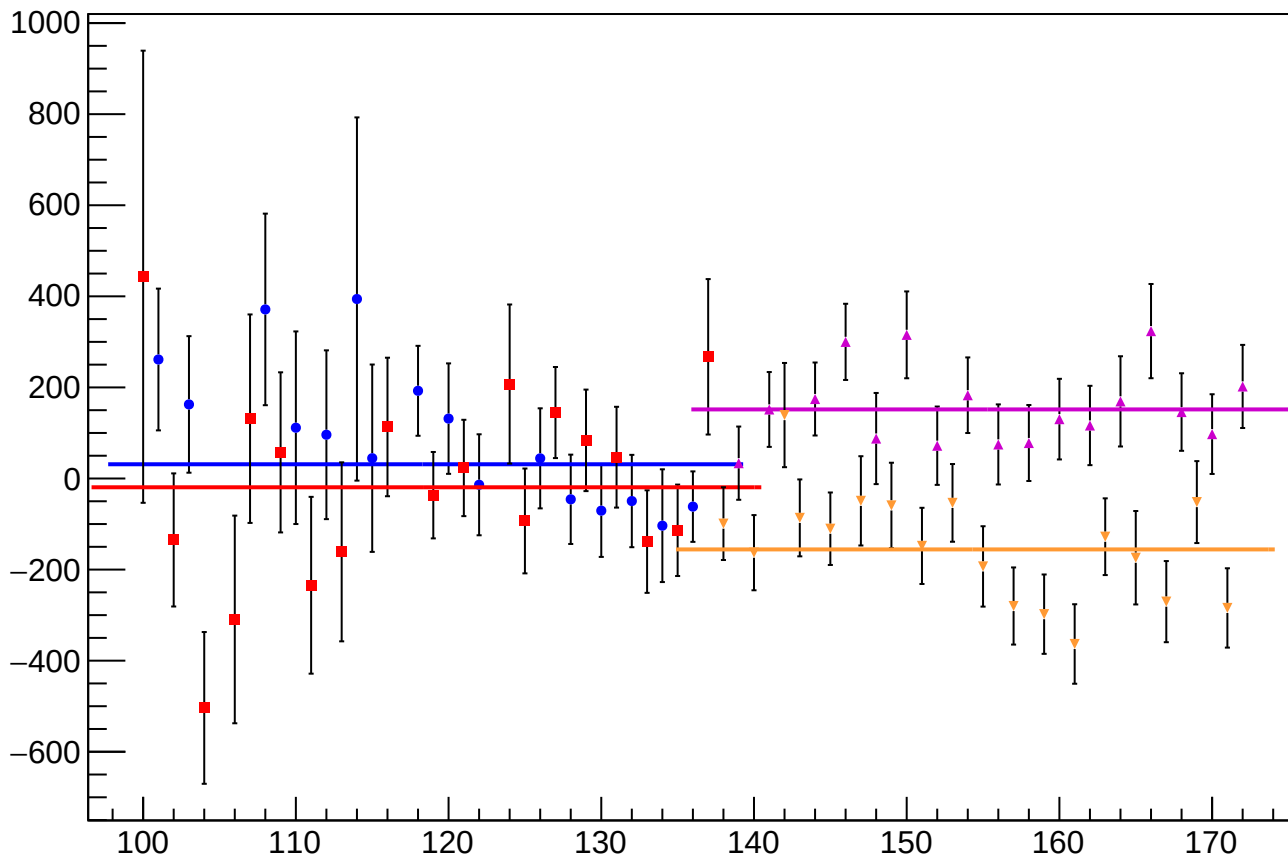
Left In: 327.025+/-0.063 χ^2/NDF : 784689.6/16

+ sign 347.381+/-0.055 χ^2/NDF : 3231963.3/33

All: 347.666+/-0.039 χ^2/NDF : 6876955.7/69

- sign 347.956+/-0.056 χ^2/NDF : 3644938.7/35

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

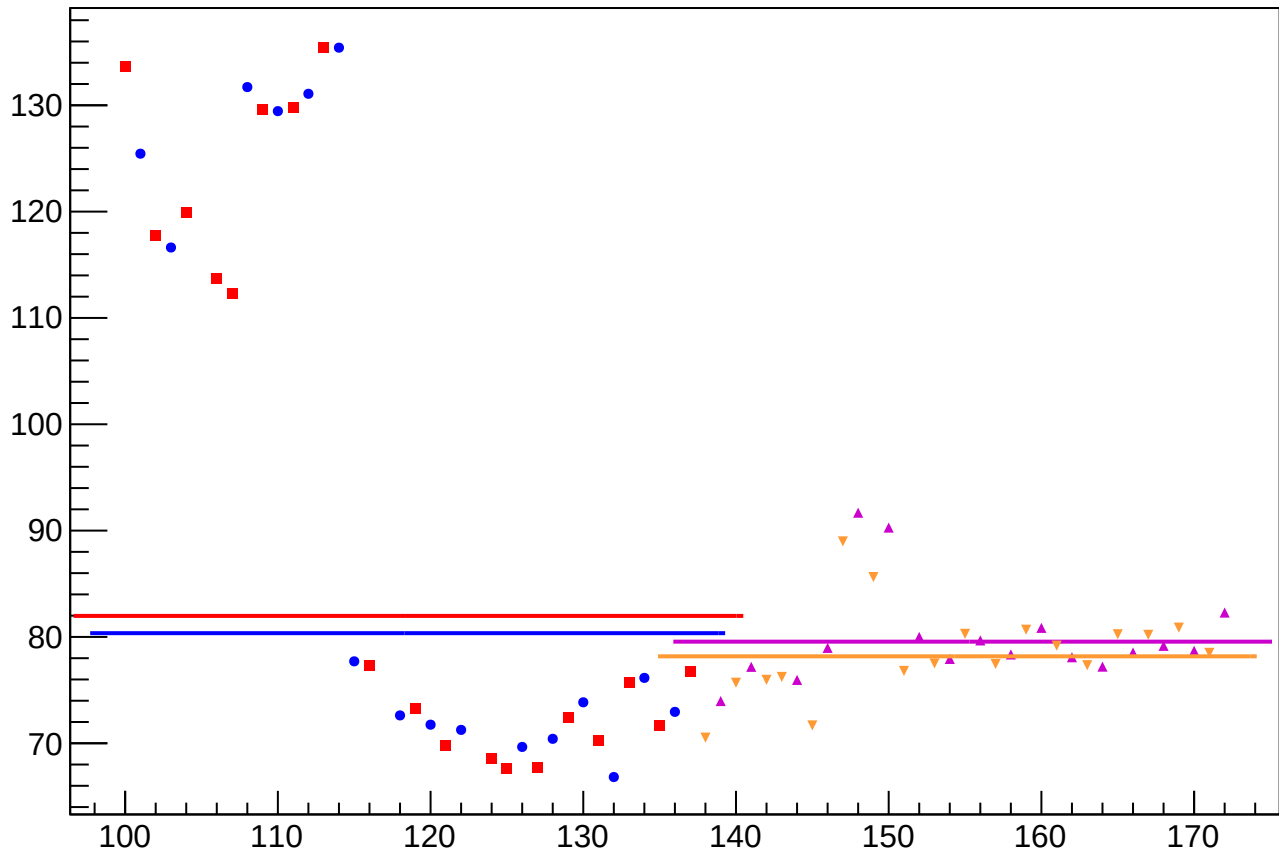
Left In: 151.691 ± 21.281 χ^2/NDF : 15.0/16

+ sign -97.340 ± 17.202 χ^2/NDF : 68.3/33

All: -2.114 ± 12.287 χ^2/NDF : 192.2/69

- sign 97.068 ± 17.556 χ^2/NDF : 61.3/35

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 : 799993.1/17

Right Out: 81.978+/-0.022 χ^2/NDF : 930466.5/18

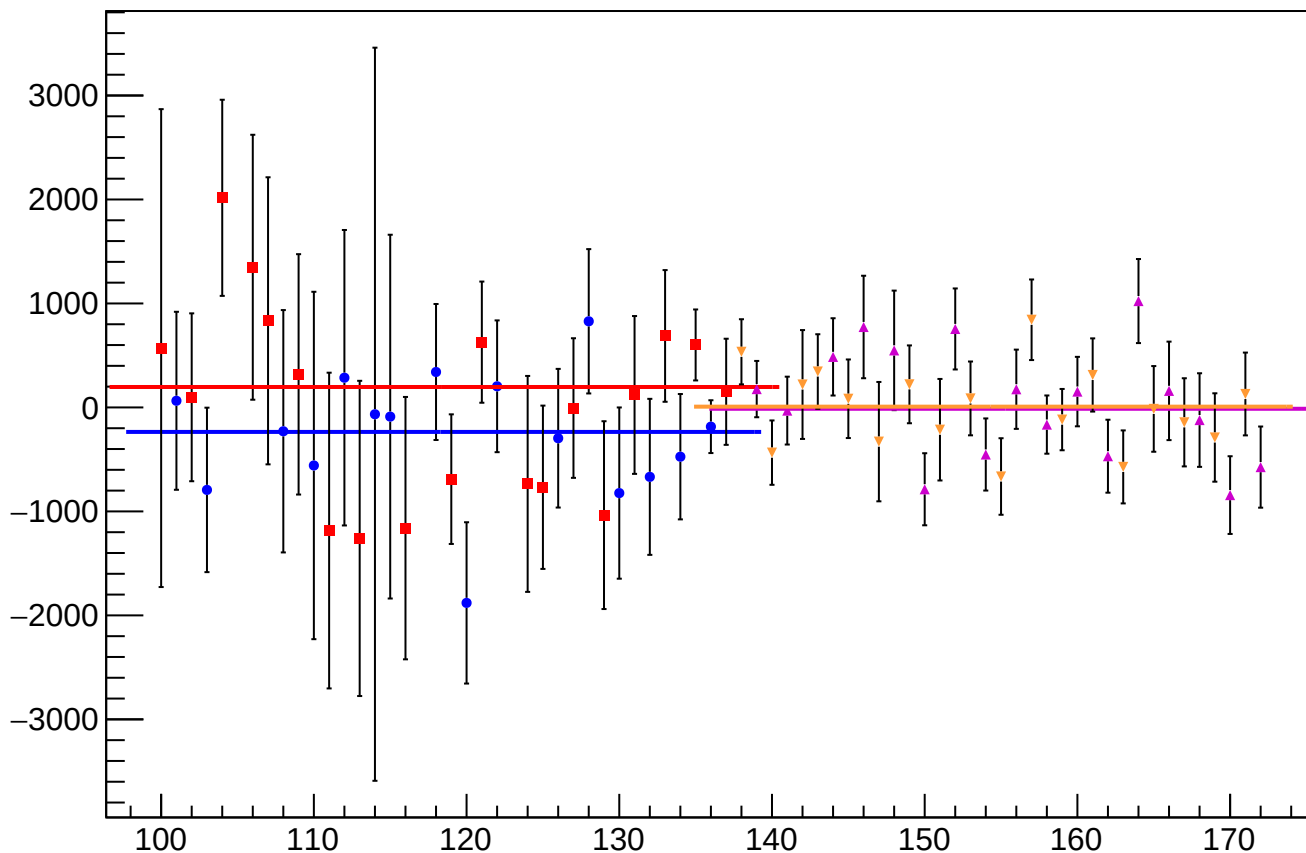
Left In: 79.556+/-0.015 χ^2/NDF : 75716.2/16

+ sign 78.856+/-0.012 χ^2/NDF : 926918.7/33

All: 79.578+/-0.009 χ^2/NDF : 1948569.2/69

- sign 80.330+/-0.012 χ^2/NDF : 1014459.2/35

asym_sam1_eigen_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

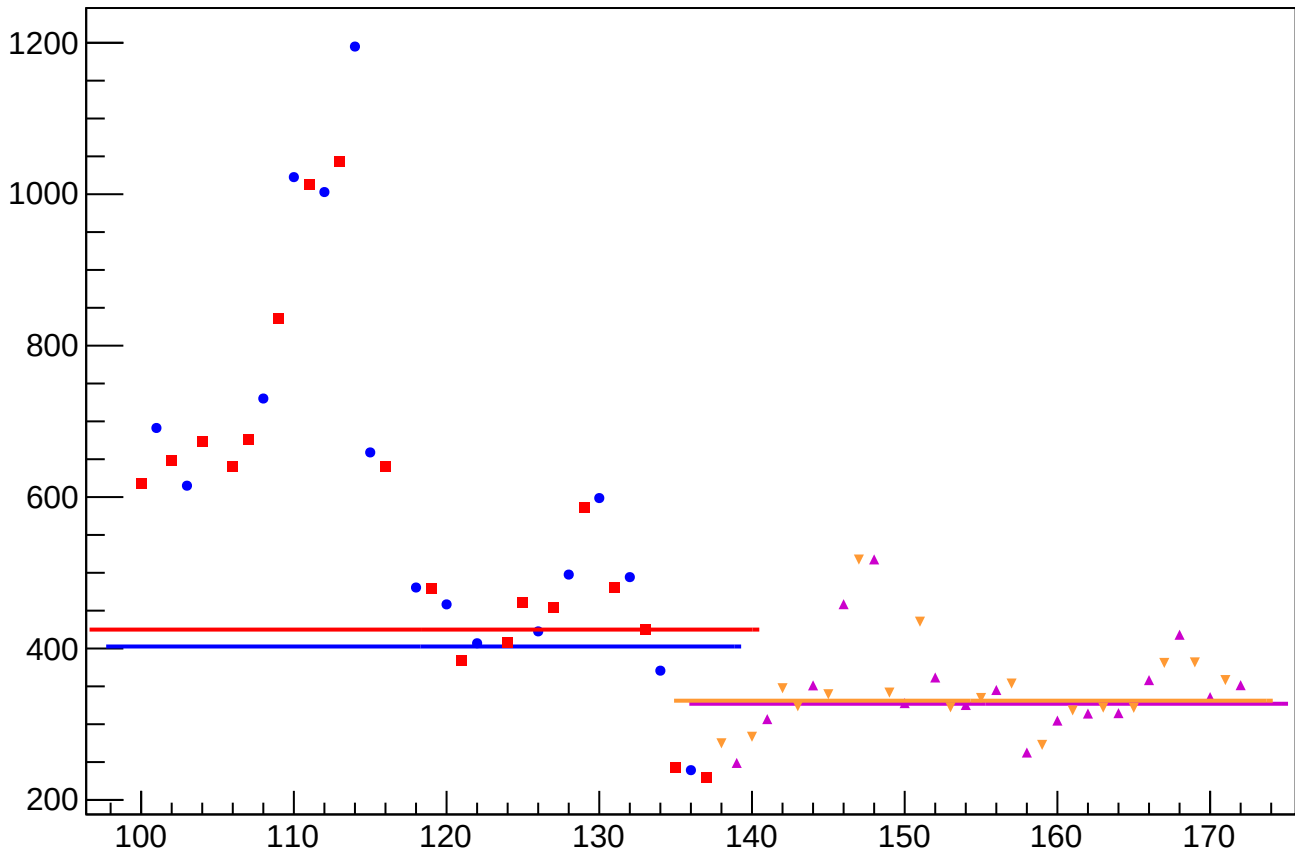
Left In: -12.979 ± 88.872 χ^2/NDF : 32.5/16

+ sign -47.906 ± 78.161 χ^2/NDF : 30.9/33

All: -8.384 ± 55.496 χ^2/NDF : 81.7/69

- sign 31.796 ± 78.808 χ^2/NDF : 50.3/35

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

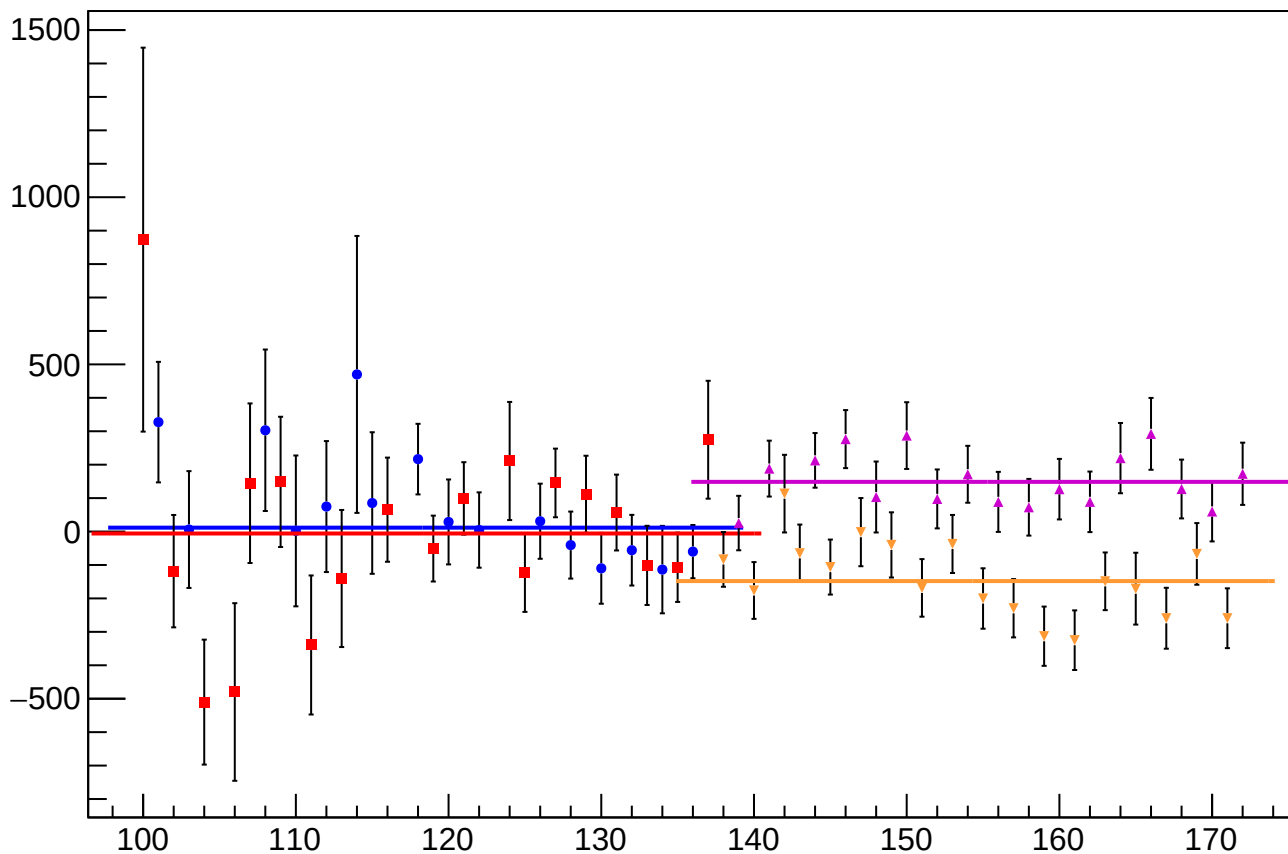
Left In: 327.025+/-0.063 χ^2/NDF : 784689.6/16

+ sign 347.381+/-0.055 χ^2/NDF : 3231963.3/33

All: 347.666+/-0.039 χ^2/NDF : 6876955.7/69

- sign 347.956+/-0.056 χ^2/NDF : 3644938.7/35

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

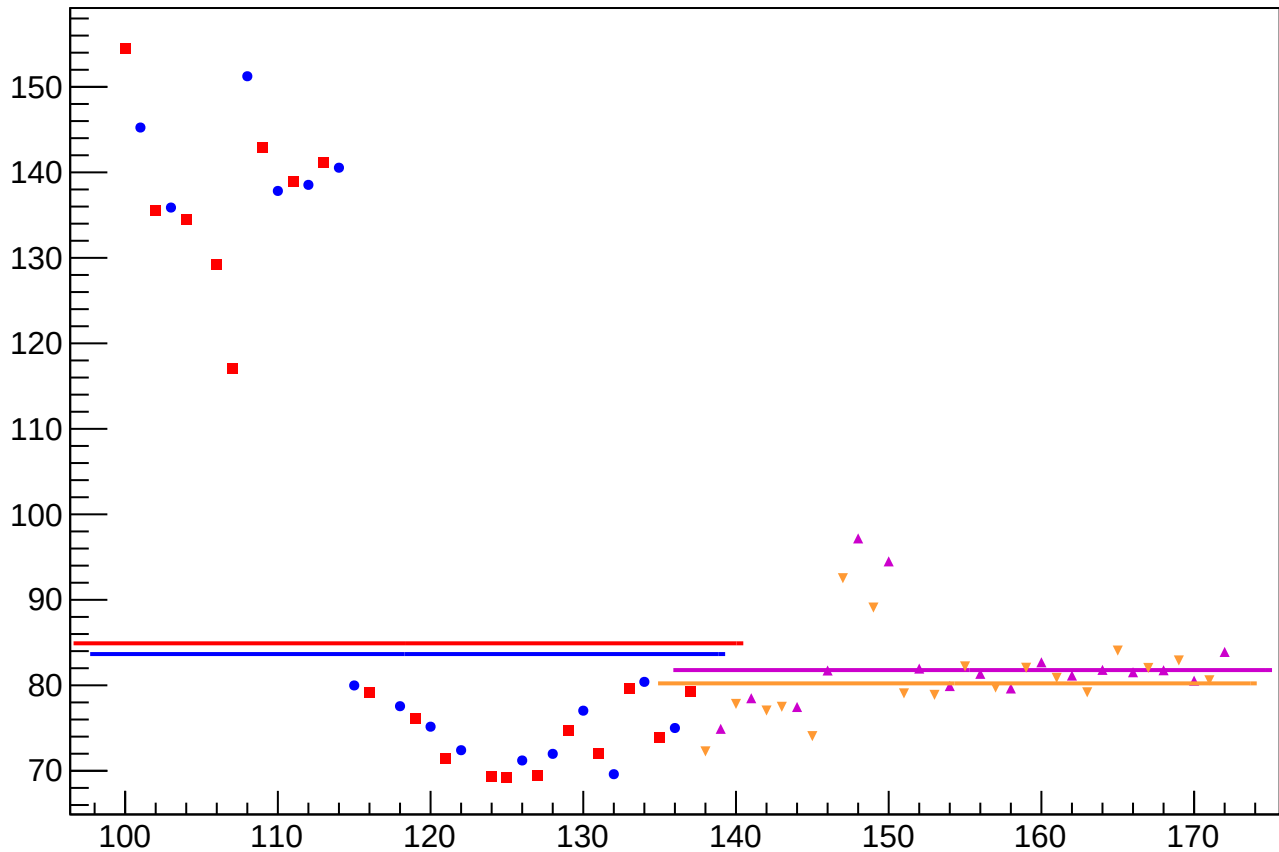
Left In: 148.633 ± 21.894 χ^2/NDF : 12.9/16

+ sign -99.733 ± 17.777 χ^2/NDF : 55.0/33

All: -1.781 ± 12.700 χ^2/NDF : 174.3/69

- sign 100.305 ± 18.148 χ^2/NDF : 57.3/35

dit_asym_sam1_rms vs Slug



Right In: 83.657 $\pm$ 0.023 χ^2 /NDF: 1034794.6/15

Left Out: 80.228 $\pm$ 0.015 χ^2 /NDF: 89113.1/17

Right Out: 84.913 $\pm$ 0.023 χ^2 /NDF: 1121669.5/18

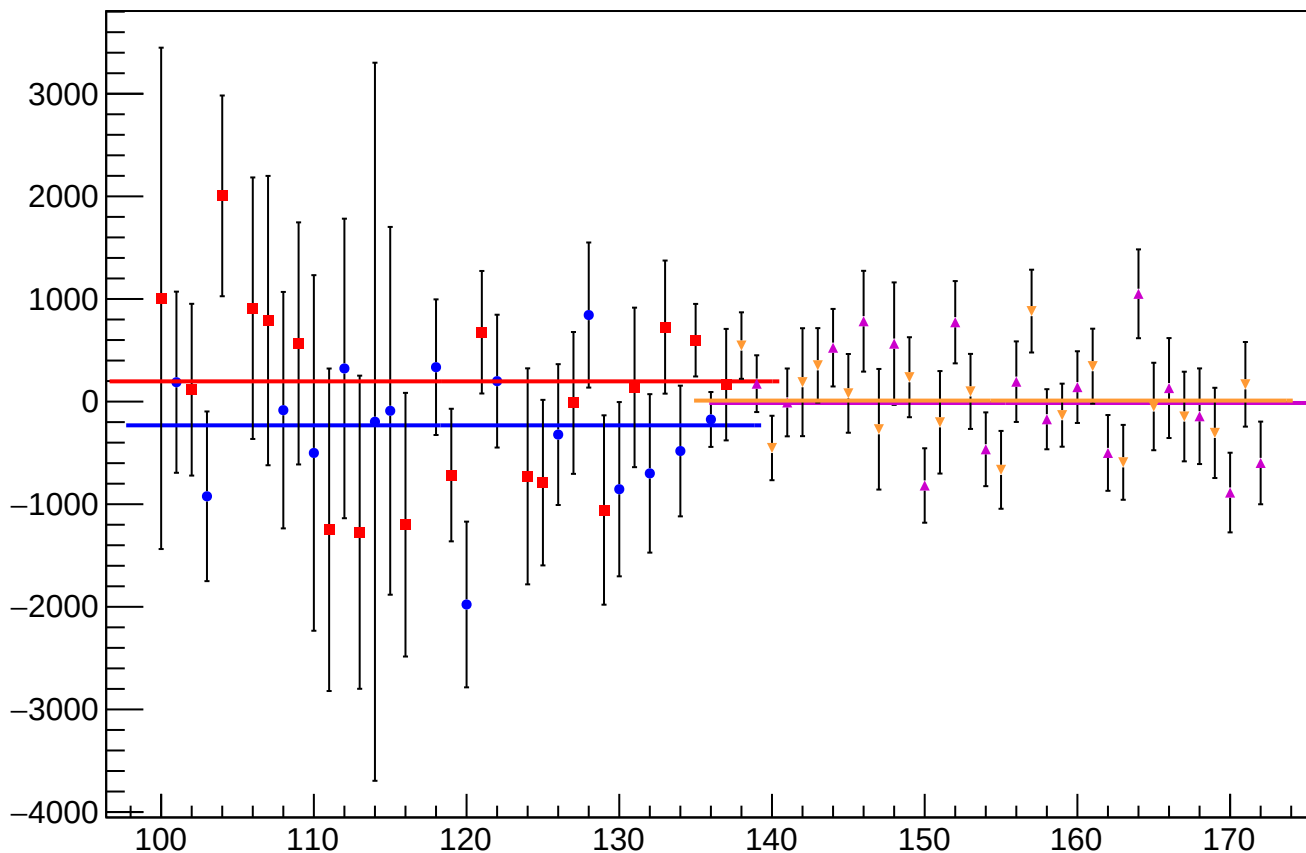
Left In: 81.783 $\pm$ 0.015 χ^2 /NDF: 101566.4/16

+ sign 81.267 $\pm$ 0.013 χ^2 /NDF: 1139625.5/33

All: 81.999 $\pm$ 0.009 χ^2 /NDF: 2382584.3/69

- sign 82.762 $\pm$ 0.013 χ^2 /NDF: 1236024.9/35

asym_sam1_dit_correction_mean vs Slug



Right In: -231.407 $\pm$ 170.133 χ^2/NDF : 10.4/15

Left Out: 9.814 $\pm$ 91.612 χ^2/NDF : 19.2/17

Right Out: 197.206 $\pm$ 176.091 χ^2/NDF : 15.9/18

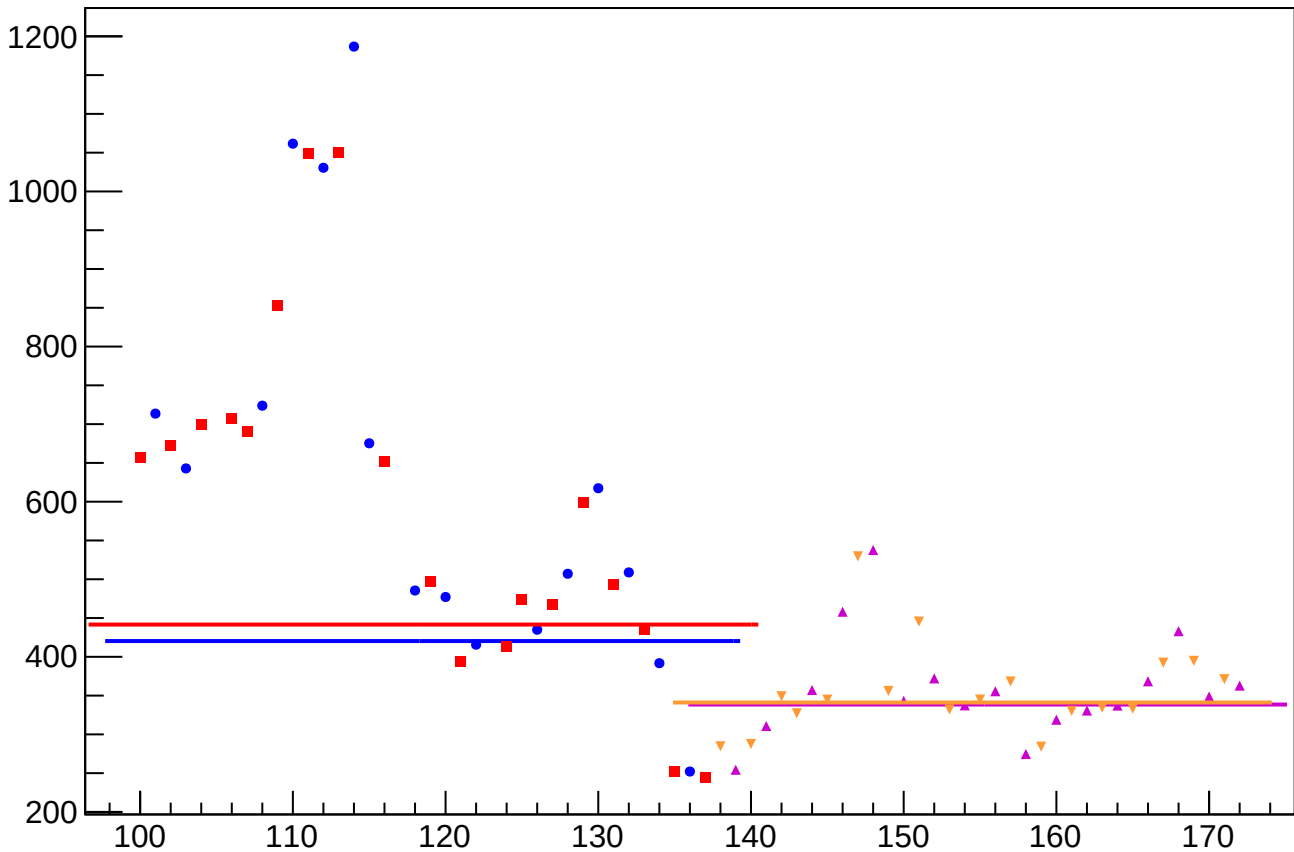
Left In: -13.500 $\pm$ 91.920 χ^2/NDF : 32.3/16

+ sign -44.408 $\pm$ 80.661 χ^2/NDF : 31.1/33

All: -6.780 $\pm$ 57.325 χ^2/NDF : 80.9/69

- sign 31.620 $\pm$ 81.486 χ^2/NDF : 49.3/35

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

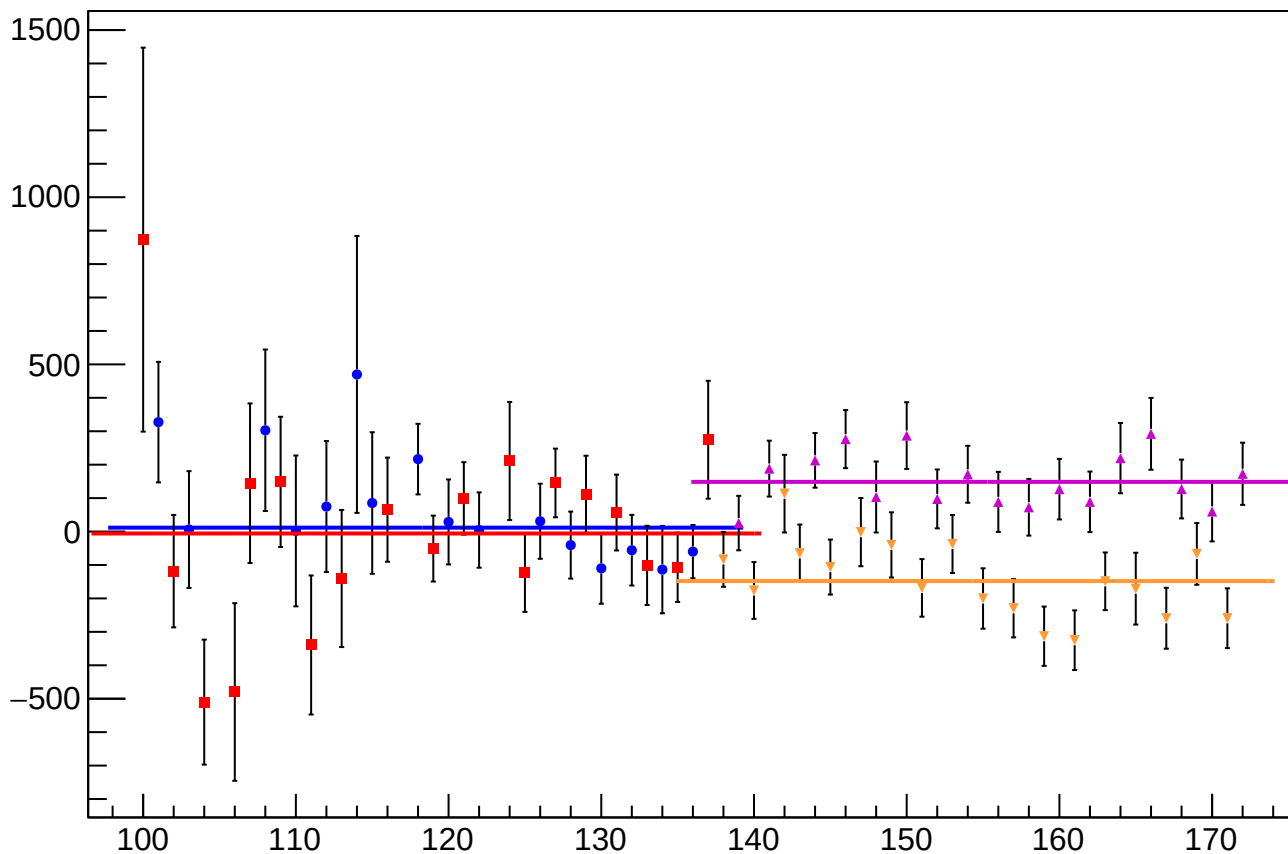
Left In: 338.463+/-0.065 χ^2/NDF : 764330.2/16

+ sign 358.921+/-0.057 χ^2/NDF : 3159367.5/33

All: 359.726+/-0.041 χ^2/NDF : 6770844.9/69

- sign 360.548+/-0.058 χ^2/NDF : 3611074.9/35

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

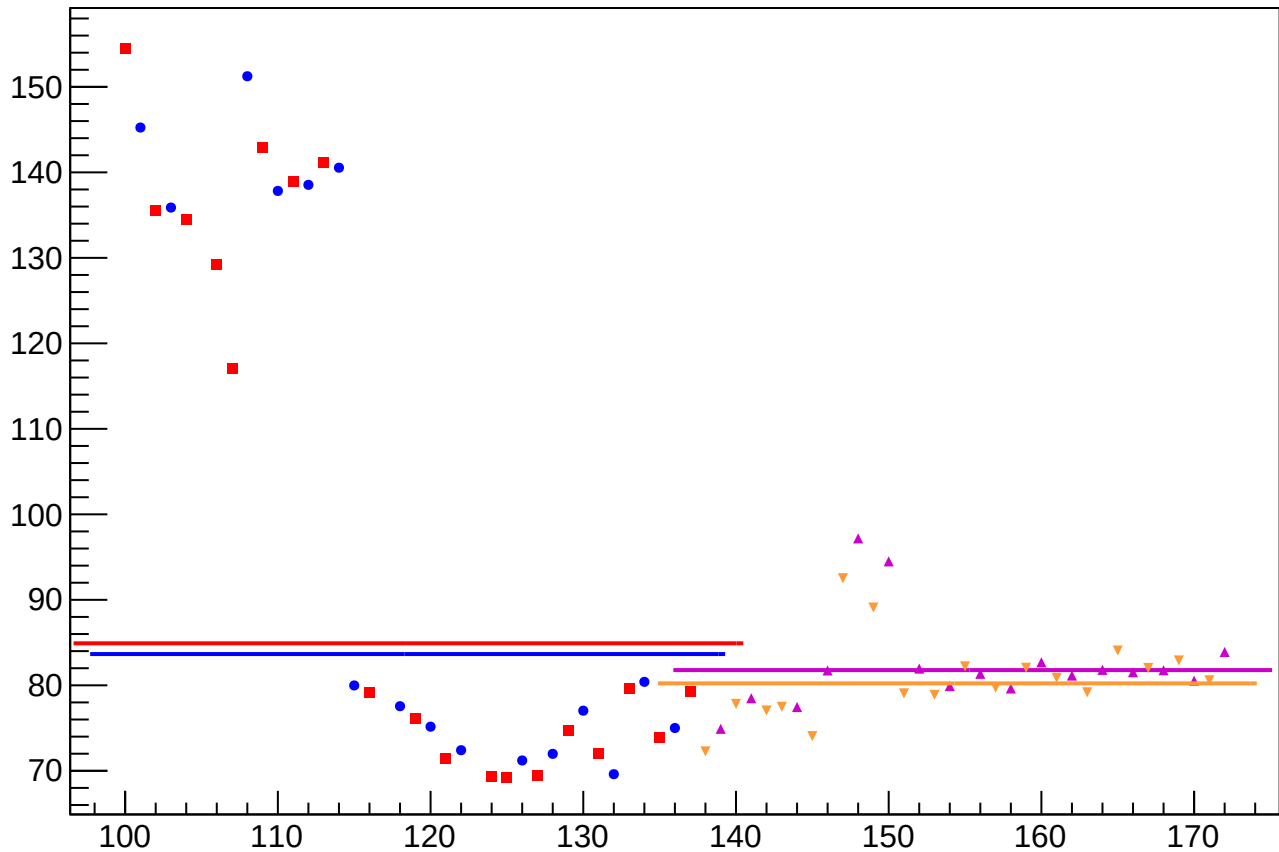
Left In: 148.634 ± 21.894 χ^2/NDF : 12.9/16

+ sign -99.732 ± 17.777 χ^2/NDF : 55.0/33

All: -1.781 ± 12.700 χ^2/NDF : 174.3/69

- sign 100.305 ± 18.148 χ^2/NDF : 57.3/35

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

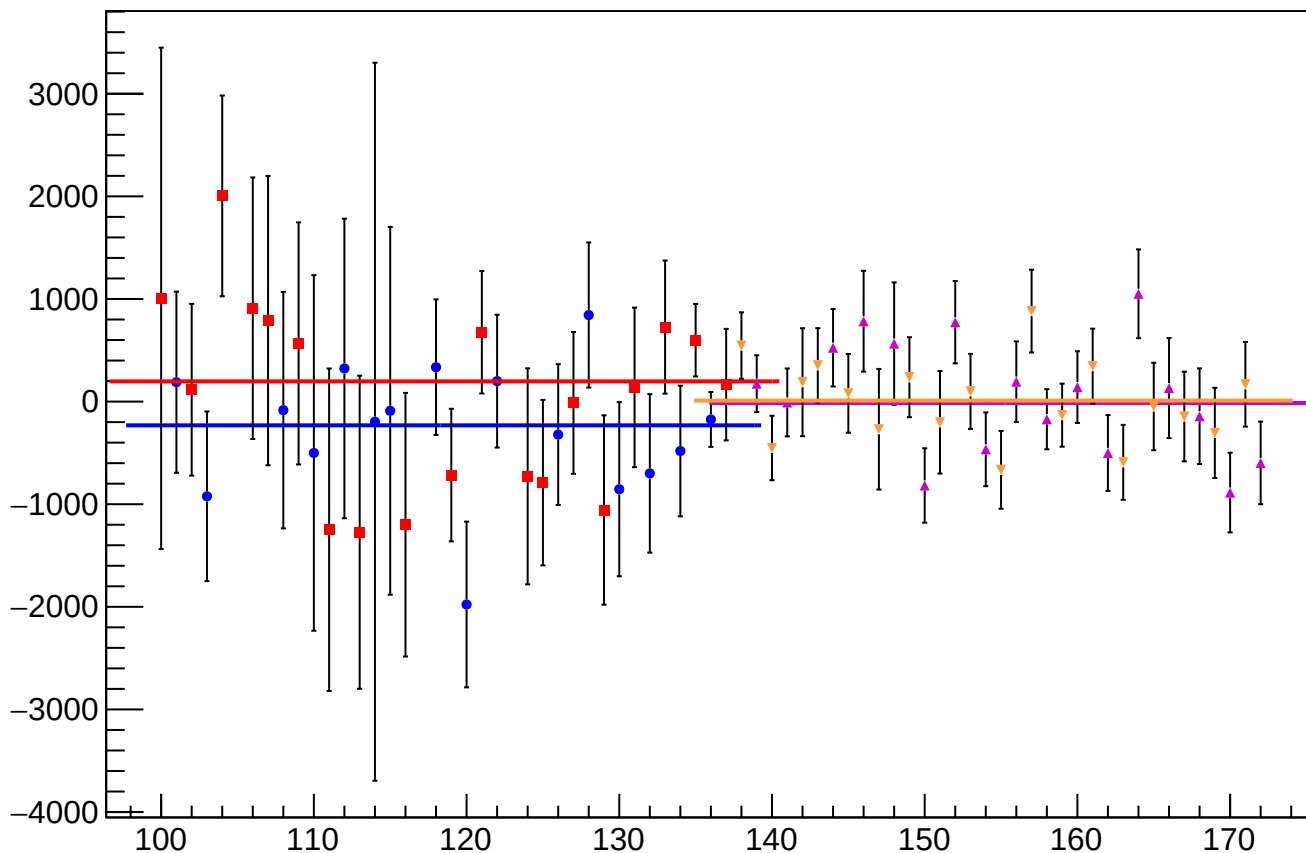
Left In: 81.783+/-0.015 χ^2/NDF : 101565.6/16

+ sign 81.267+/-0.013 χ^2/NDF : 1139623.9/33

All: 81.999+/-0.009 χ^2/NDF : 2382580.3/69

- sign 82.762+/-0.013 χ^2/NDF : 1236022.7/35

asym_sam1_eigen_dit_correction_mean vs Slug



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

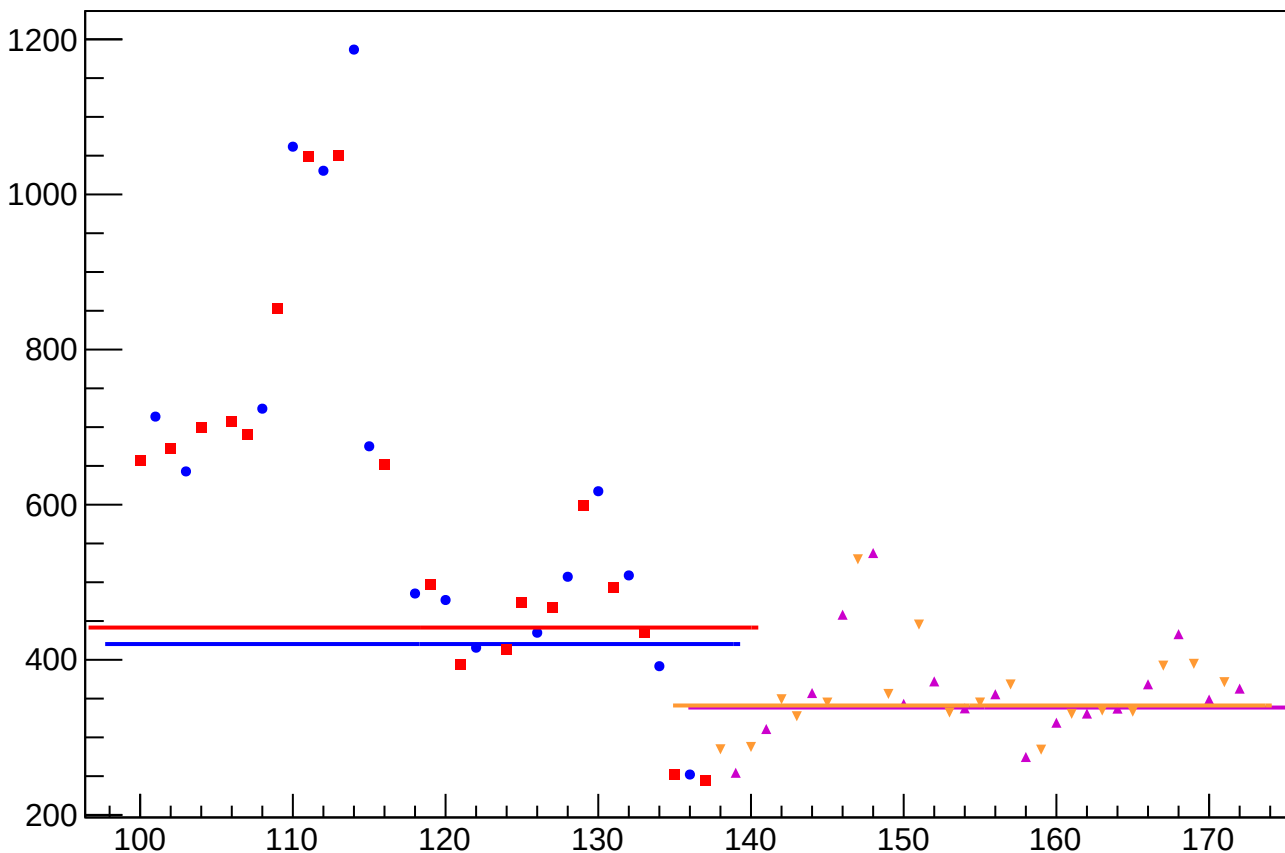
Left In: -13.500 ± 91.920 χ^2/NDF : 32.3/16

+ sign -44.407 ± 80.661 χ^2/NDF : 31.1/33

All: -6.780 ± 57.325 χ^2/NDF : 80.9/69

- sign 31.620 ± 81.486 χ^2/NDF : 49.3/35

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

+ sign 358.920+/-0.057 χ^2/NDF : 3159368.9/33

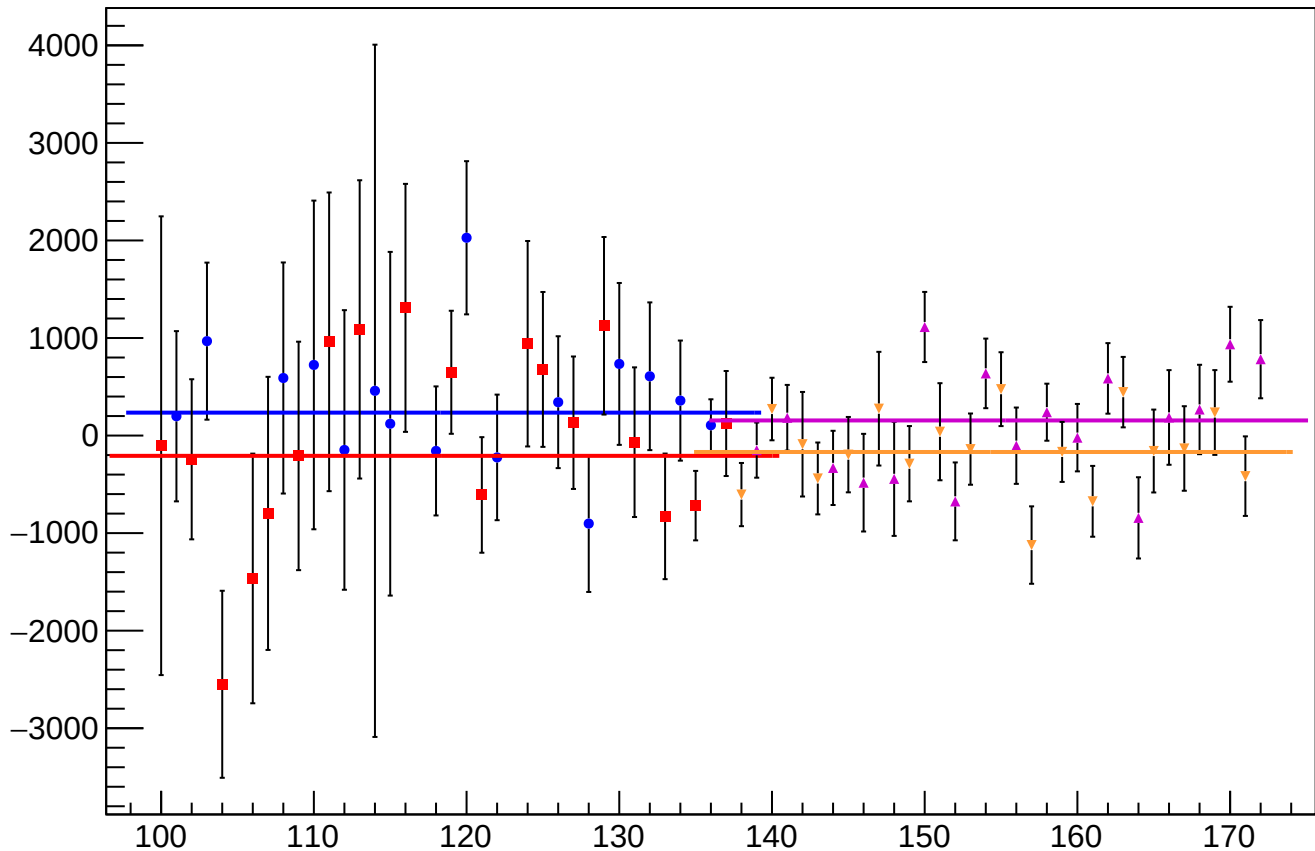
Right Out: 441.597+/-0.125 χ^2/NDF : 2307595.1/18

All: 359.726+/-0.041 χ^2/NDF : 6770849.5/69

- sign 360.547+/-0.058 χ^2/NDF : 3611078.0/35

Left In: 338.462+/-0.065 χ^2/NDF : 764332.4/16

asym_sam1_mean vs Slug



Right In: 235.054 $\pm$ 168.199 χ^2 /NDF: 10.7/15

Left Out: -168.387 $\pm$ 91.540 χ^2 /NDF:19.9/17

Right Out: -207.936 $\pm$ 174.716 χ^2 /NDF: 20.4/18

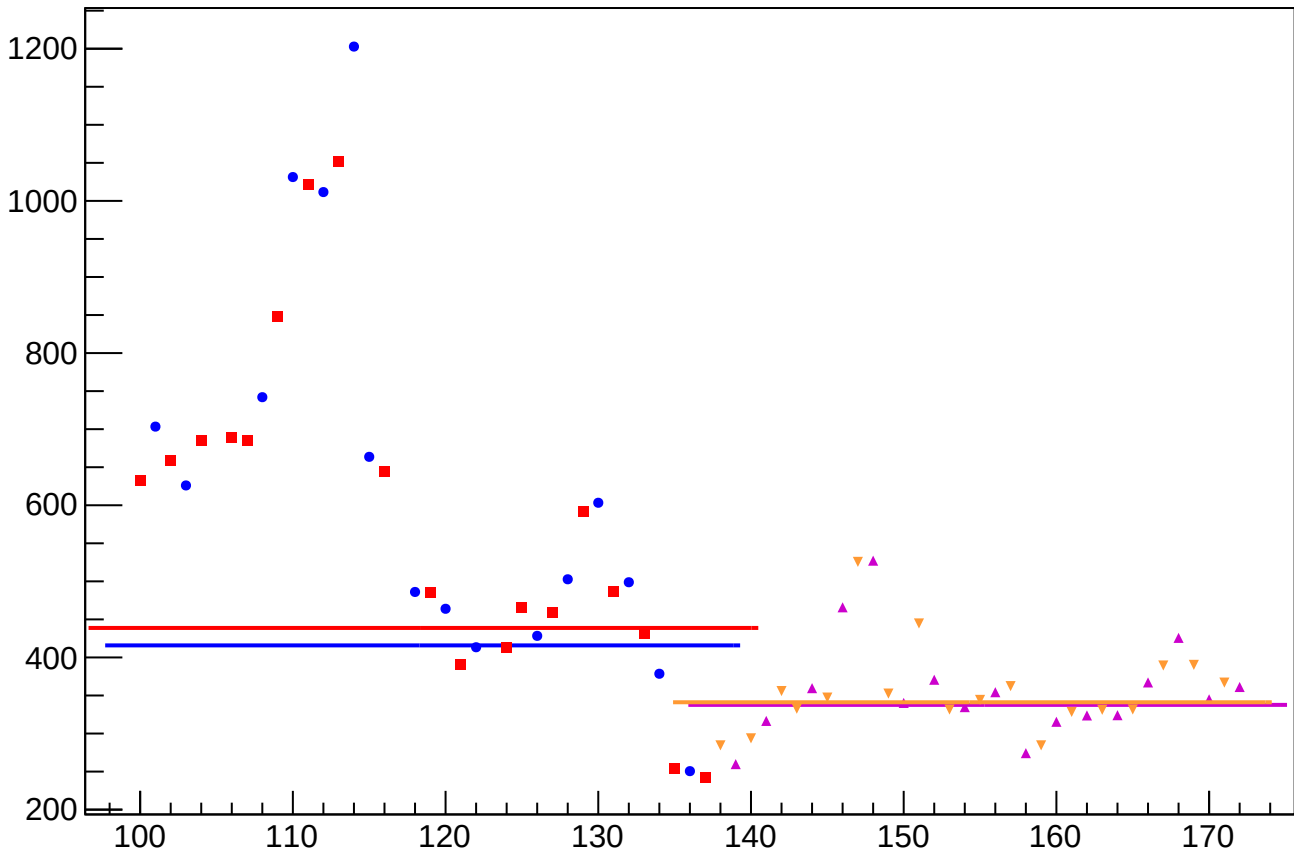
Left In: 154.998 $\pm$ 91.634 χ^2 /NDF:33.3/16

+ sign -76.197 $\pm$ 80.403 χ^2 /NDF: 35.0/33

All: -0.454 $\pm$ 57.116 χ^2 /NDF: 93.9/69

- sign 76.701 $\pm$ 81.150 χ^2 /NDF: 57.1/35

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

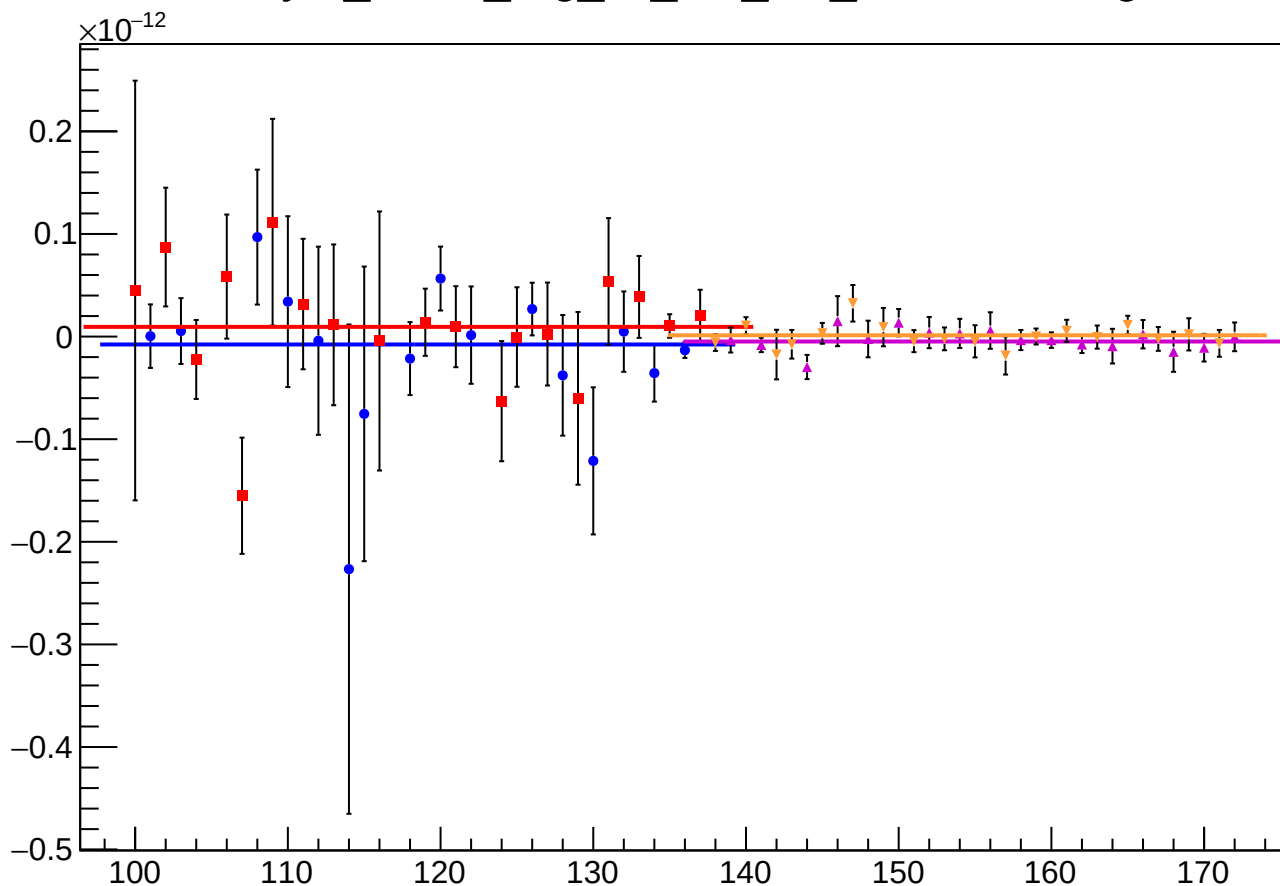
Left In: 337.656 ± 0.065 χ^2/NDF : 721636.4/16

+ sign 358.181 ± 0.057 χ^2/NDF : 3063846.6/33

All: 358.819 ± 0.040 χ^2/NDF : 6545900.2/69

- sign 359.470 ± 0.057 χ^2/NDF : 3481798.7/35

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 14.8/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 9.9/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.3/18

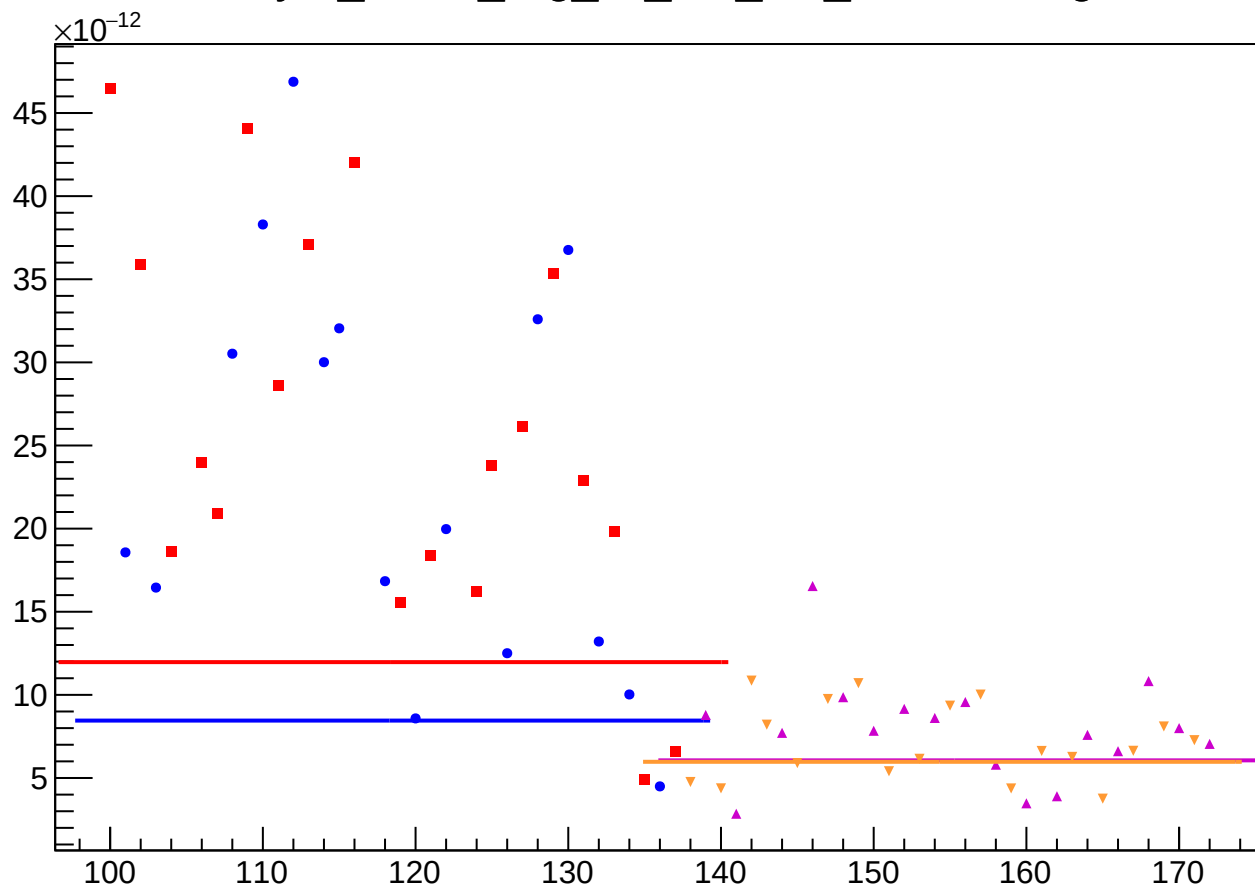
Left In: -0.000 ± 0.000 χ^2/NDF : 9.3/16

+ sign -0.000 ± 0.000 χ^2/NDF : 26.4/33

All: -0.000 ± 0.000 χ^2/NDF : 55.5/69

- sign -0.000 ± 0.000 χ^2/NDF : 28.4/35

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 942559.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2760154.9/18

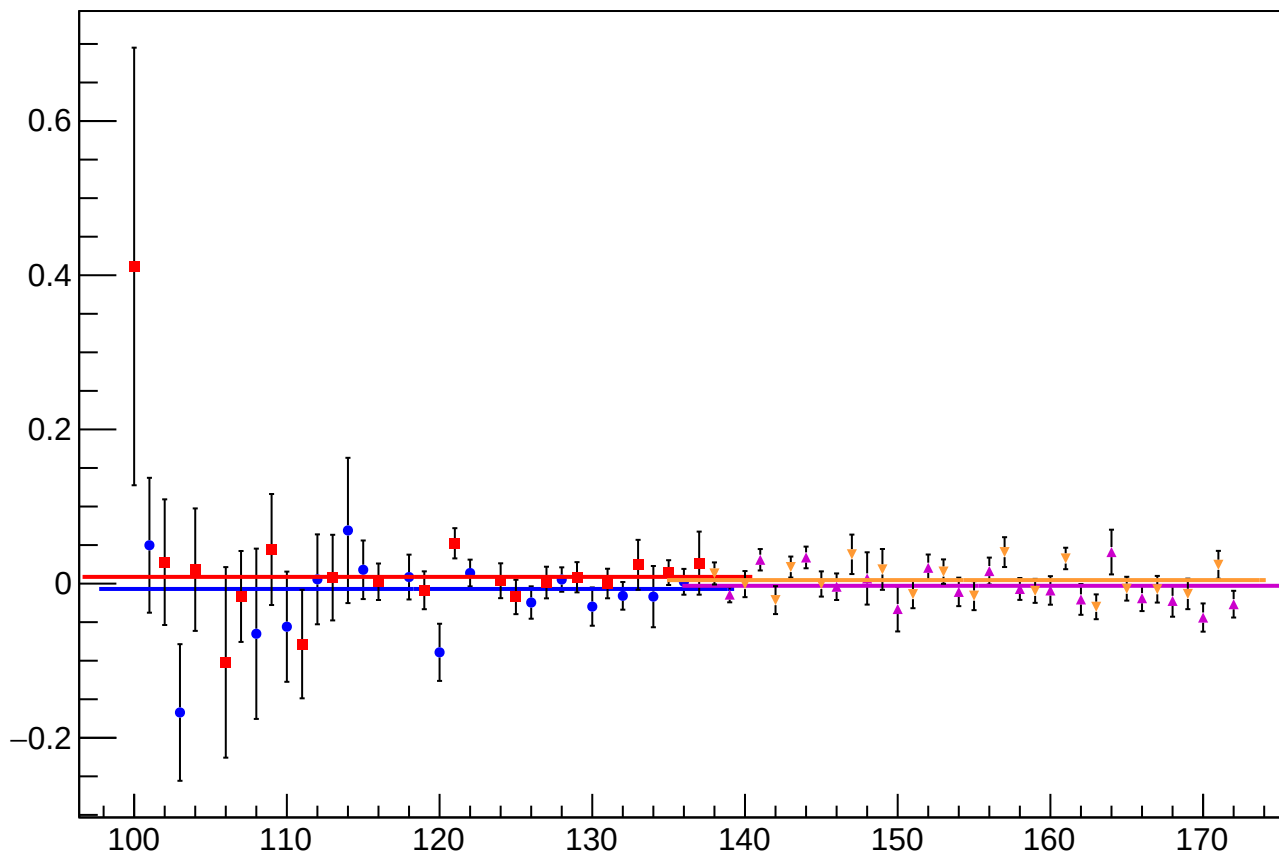
Left In: 0.000+/-0.000 χ^2/NDF : 1838152.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 3970758.8/33

All: 0.000+/-0.000 χ^2/NDF : 9521441.7/69

- sign 0.000+/-0.000 χ^2/NDF : 5533151.8/35

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

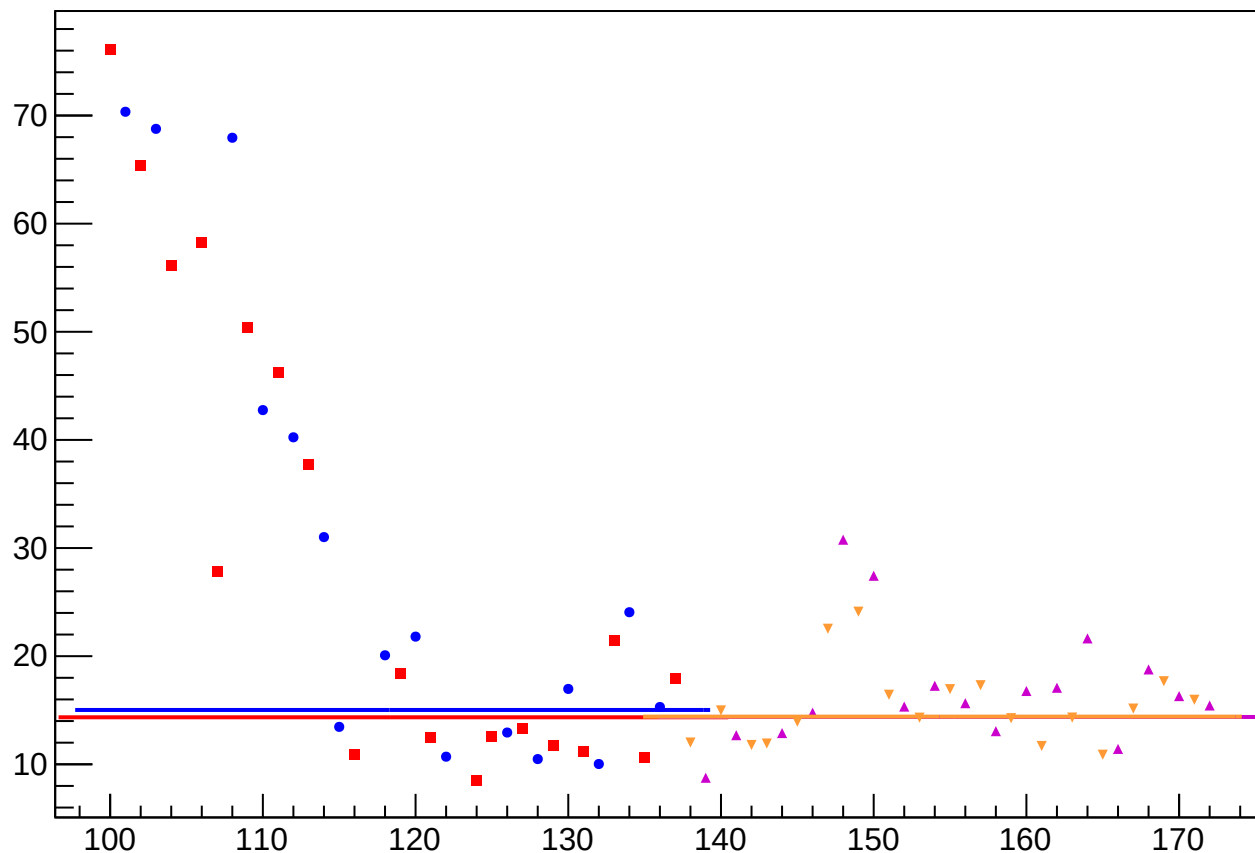
Left In: -0.003 ± 0.004 χ^2/NDF : 30.5/16

+ sign 0.002 ± 0.003 χ^2/NDF : 41.9/33

All: 0.001 ± 0.002 χ^2/NDF : 87.4/69

- sign 0.001 ± 0.003 χ^2/NDF : 45.4/35

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 14.408 $\pm$ 0.003 χ^2 /NDF:998914.2/17

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

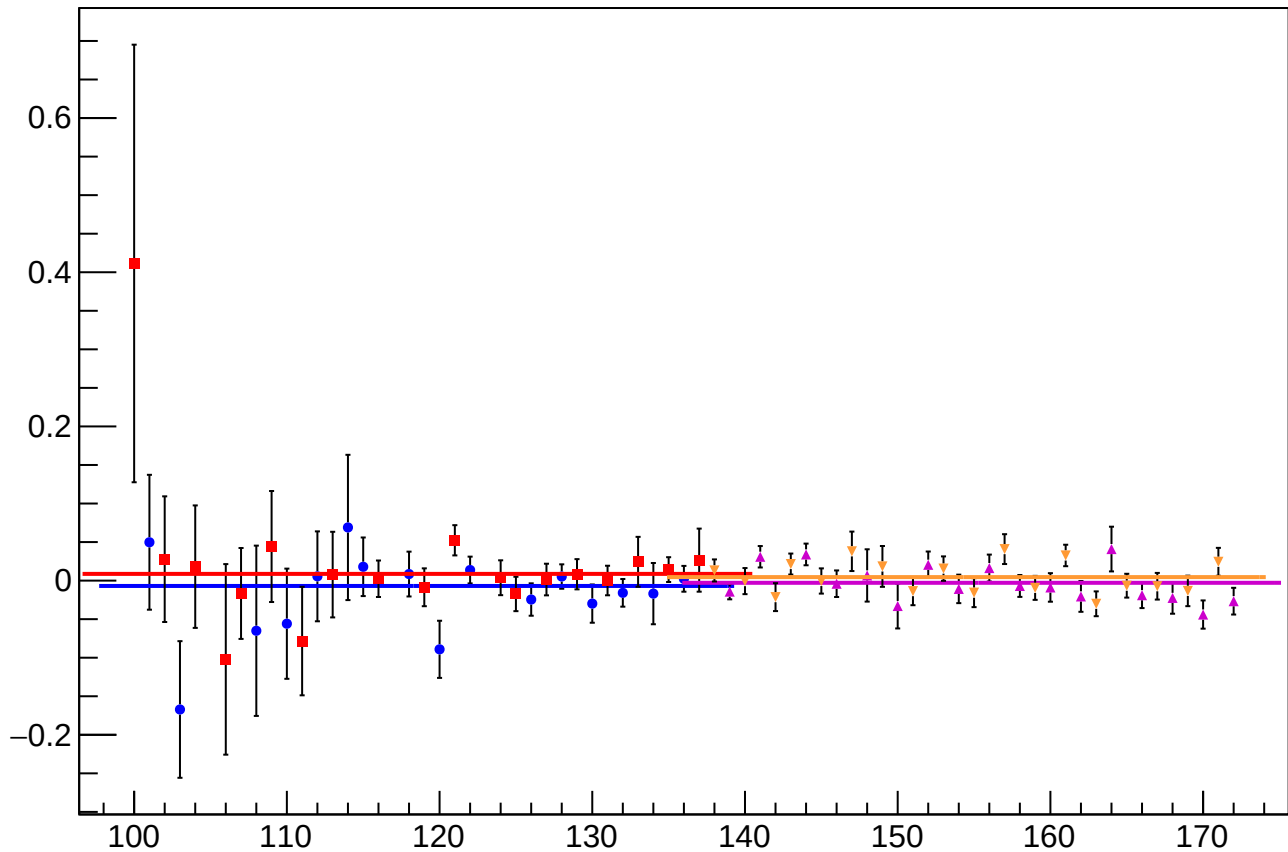
Left In: 14.377 $\pm$ 0.003 χ^2 /NDF:2011152.7/16

+ sign 14.570 $\pm$ 0.002 χ^2 /NDF: 4449596.9/33

All: 14.470 $\pm$ 0.002 χ^2 /NDF: 10093181.9/69

- sign 14.369 $\pm$ 0.002 χ^2 /NDF: 5640196.8/35

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

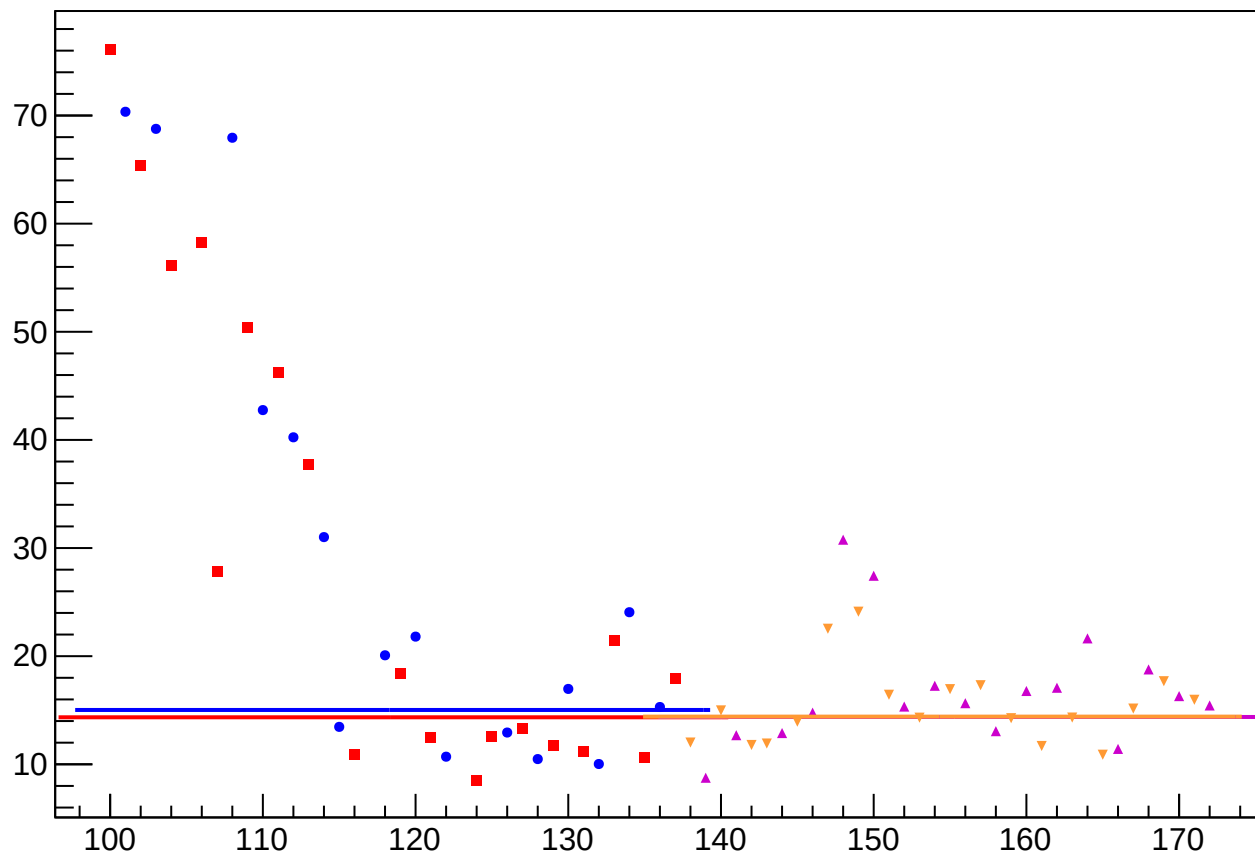
Left In: -0.003 ± 0.004 χ^2/NDF : 30.5/16

+ sign 0.002 ± 0.003 χ^2/NDF : 41.9/33

All: 0.001 ± 0.002 χ^2/NDF : 87.4/69

- sign 0.001 ± 0.003 χ^2/NDF : 45.4/35

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.026 $\pm$ 0.005 χ^2 /NDF: 3438260.9/15

Left Out: 14.408 $\pm$ 0.003 χ^2 /NDF:998914.2/17

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629014.9/18

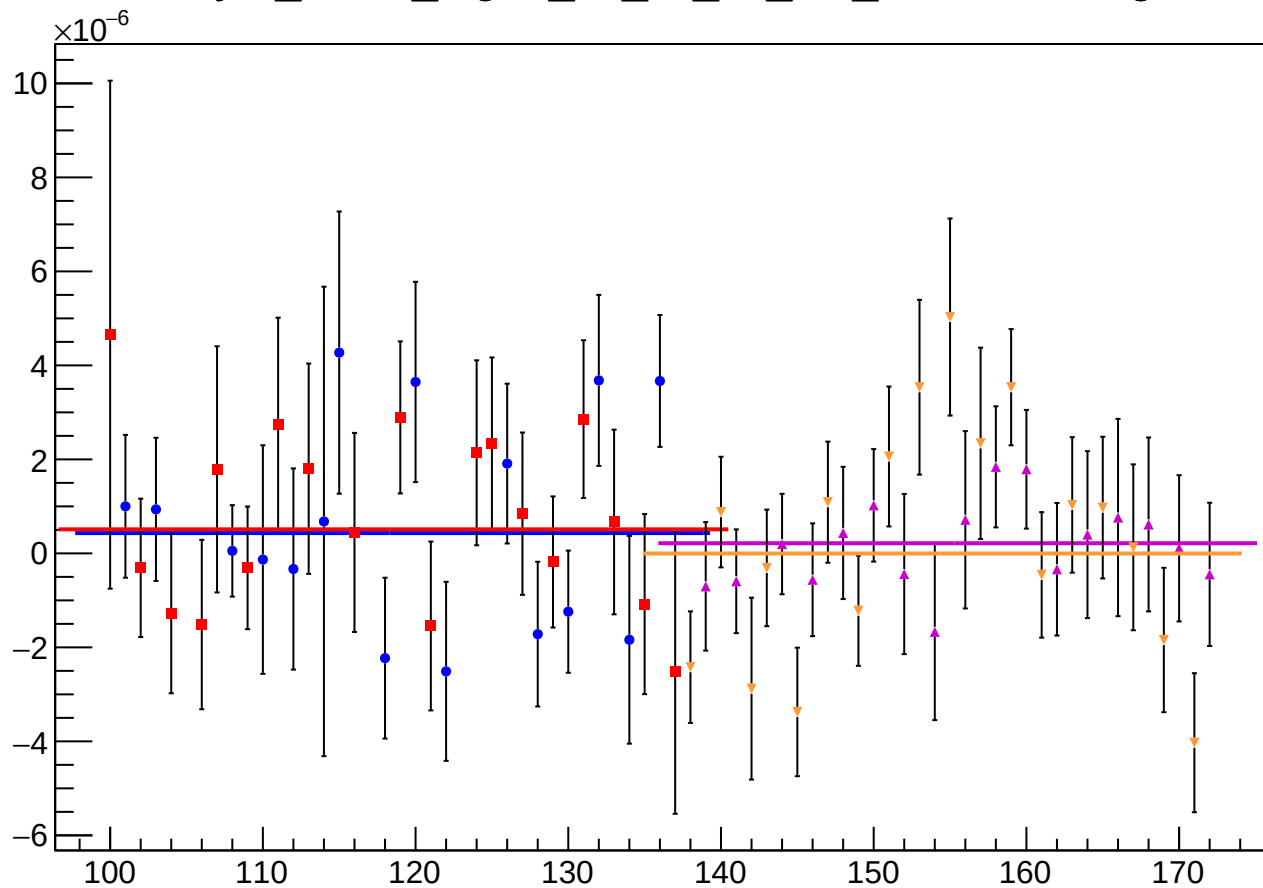
Left In: 14.377 $\pm$ 0.003 χ^2 /NDF:2011152.7/16

+ sign 14.570 $\pm$ 0.002 χ^2 /NDF: 4449596.9/33

All: 14.470 $\pm$ 0.002 χ^2 /NDF: 10093181.9/69

- sign 14.369 $\pm$ 0.002 χ^2 /NDF: 5640196.8/35

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

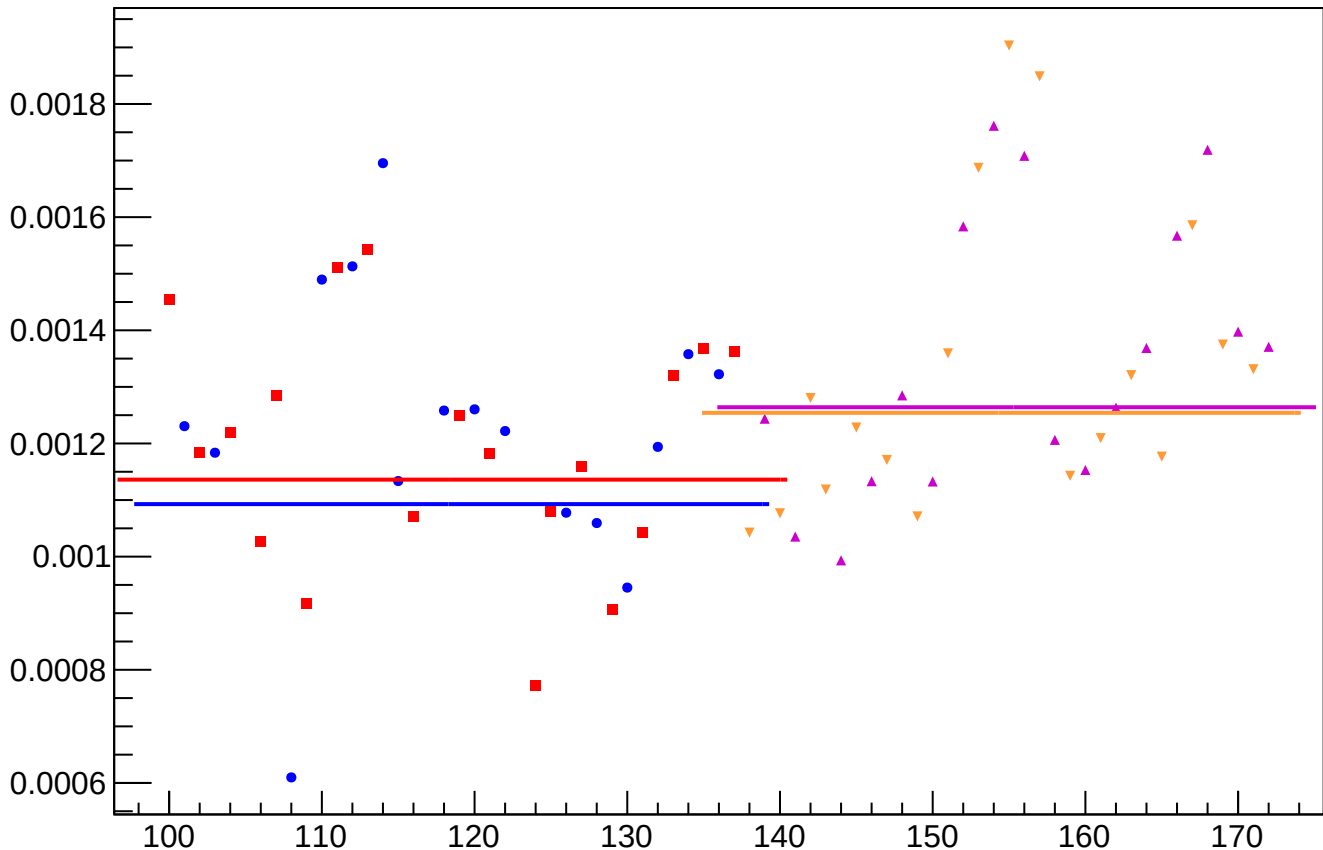
Left In: 0.000 ± 0.000 χ^2/NDF : 6.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 69.5/33

All: 0.000 ± 0.000 χ^2/NDF : 91.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.3/35

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

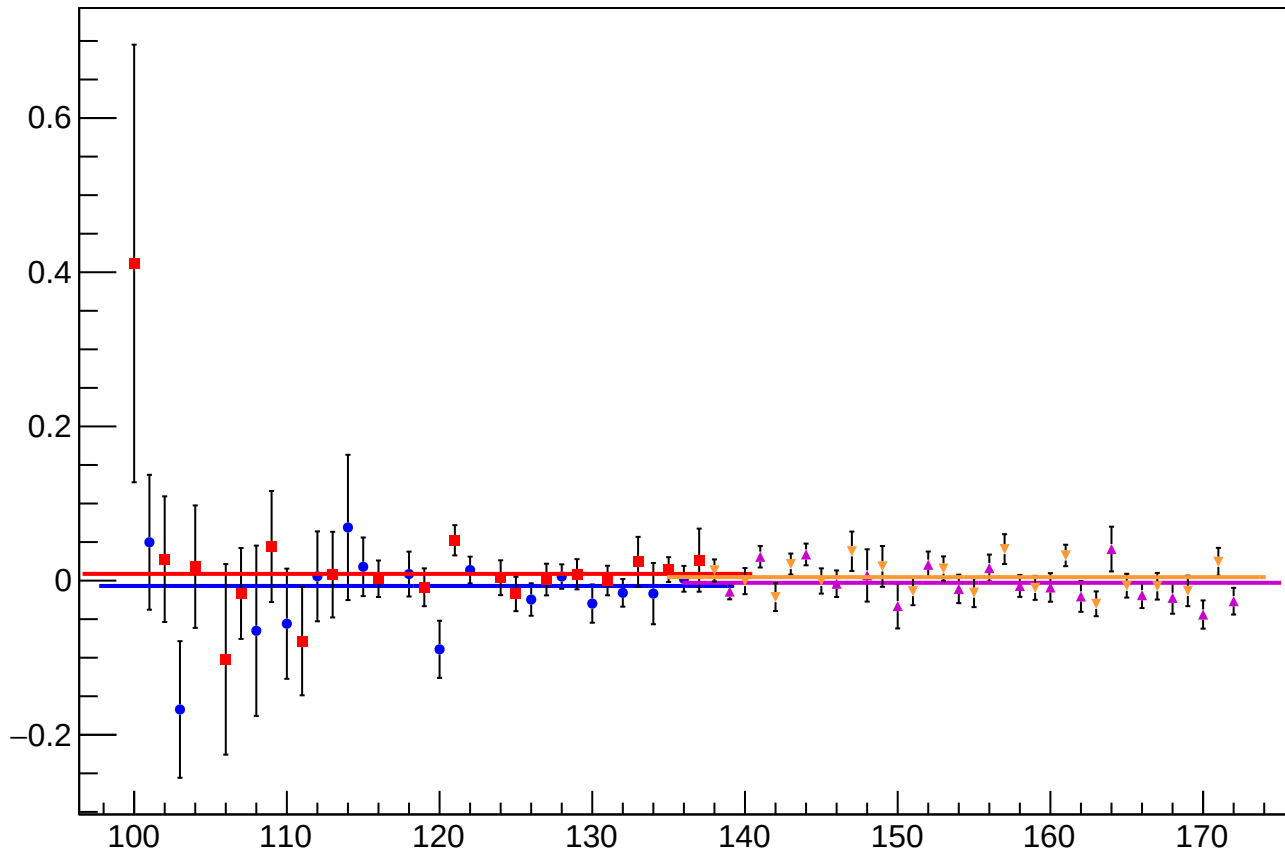
Left In: 0.001+/-0.000 χ^2/NDF : 797883.2/16

+ sign 0.001+/-0.000 χ^2/NDF : 1799355.9/33

All: 0.001+/-0.000 χ^2/NDF : 3121787.2/69

- sign 0.001+/-0.000 χ^2/NDF : 1315334.3/35

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

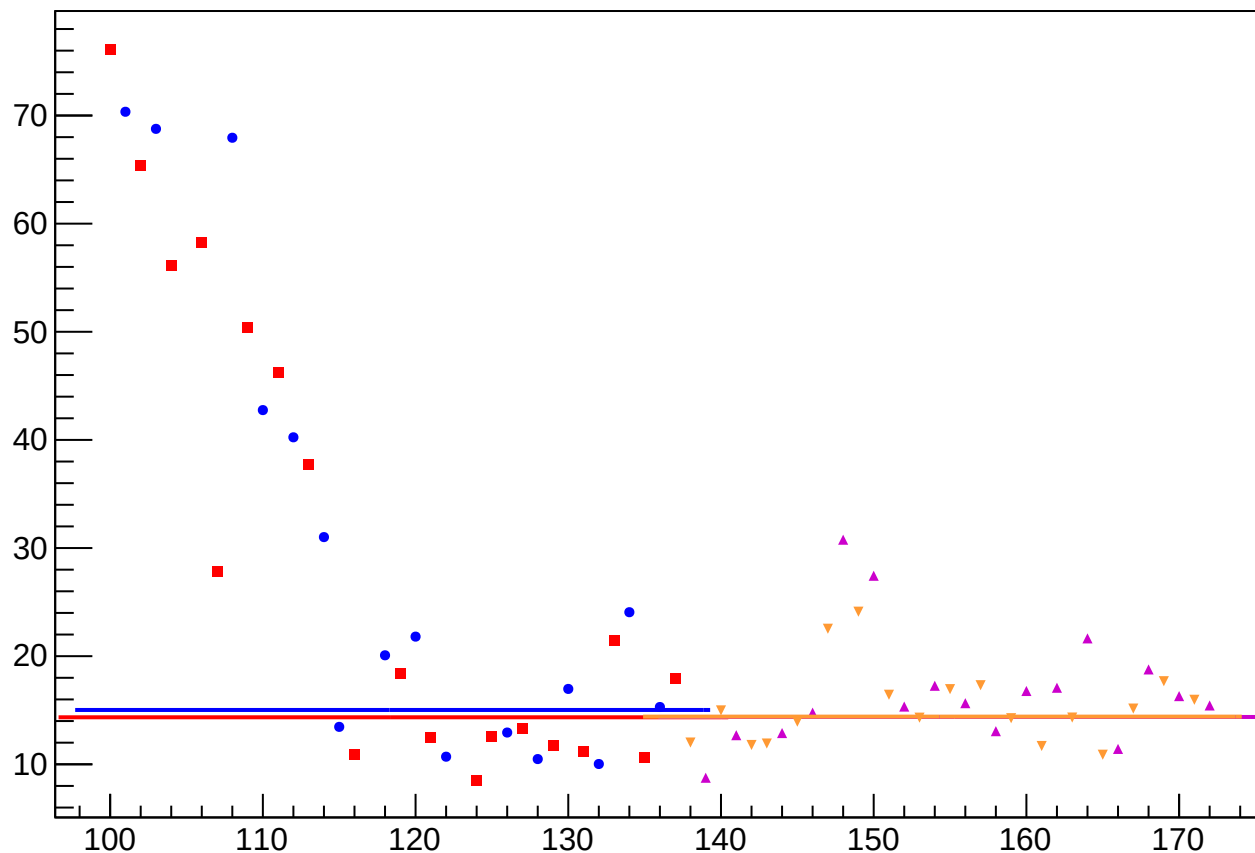
Left In: -0.003 ± 0.004 χ^2/NDF : 30.5/16

+ sign 0.002 ± 0.003 χ^2/NDF : 41.9/33

All: 0.001 ± 0.002 χ^2/NDF : 87.4/69

- sign 0.001 ± 0.003 χ^2/NDF : 45.4/35

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 0.005 χ^2 /NDF: 3438279.3/15

Left Out: 14.408 $\pm$ 0.003 χ^2 /NDF: 998978.3/17

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

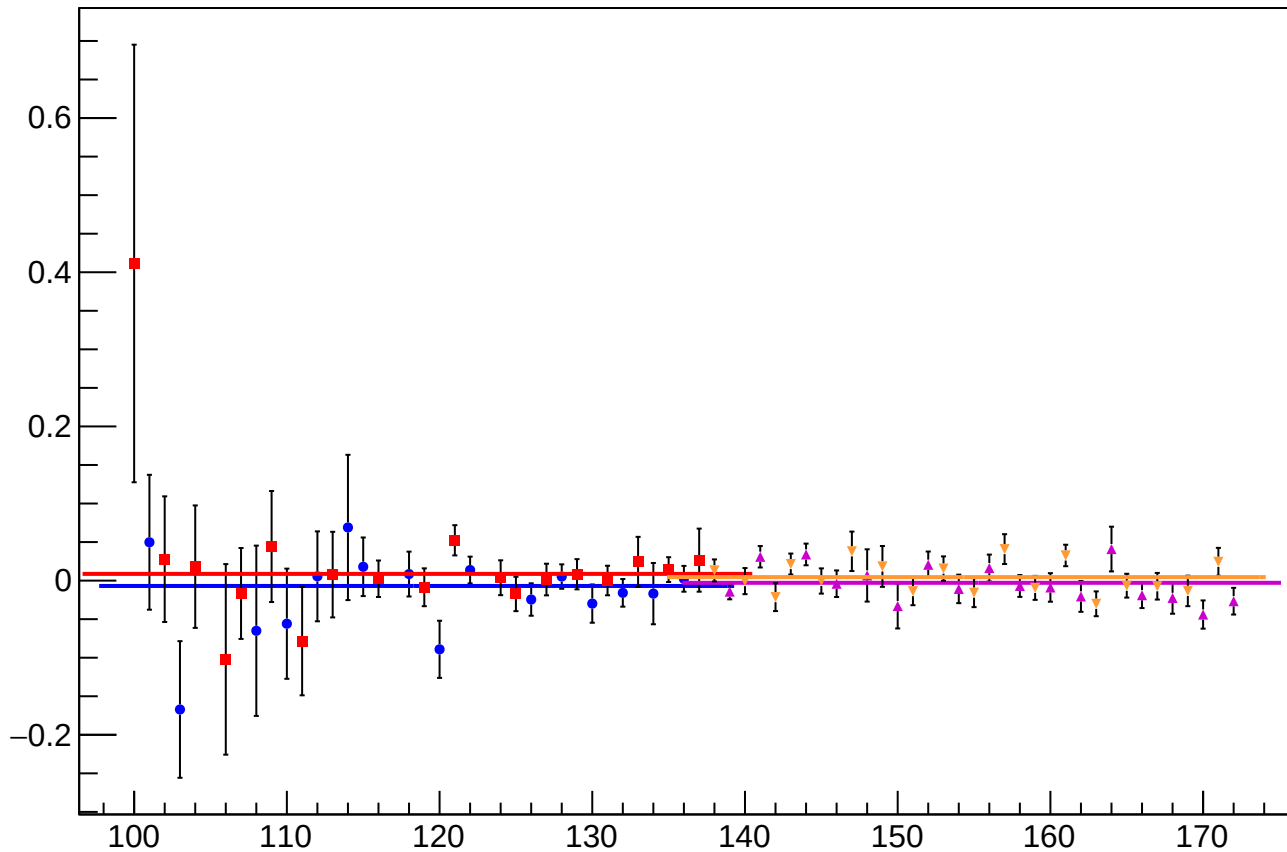
Left In: 14.377 $\pm$ 0.003 χ^2 /NDF: 2011216.8/16

+ sign 14.569 $\pm$ 0.002 χ^2 /NDF: 4449676.3/33

All: 14.469 $\pm$ 0.002 χ^2 /NDF: 10093314.6/69

- sign 14.369 $\pm$ 0.002 χ^2 /NDF: 5640251.0/35

asym_sam1_eigen_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

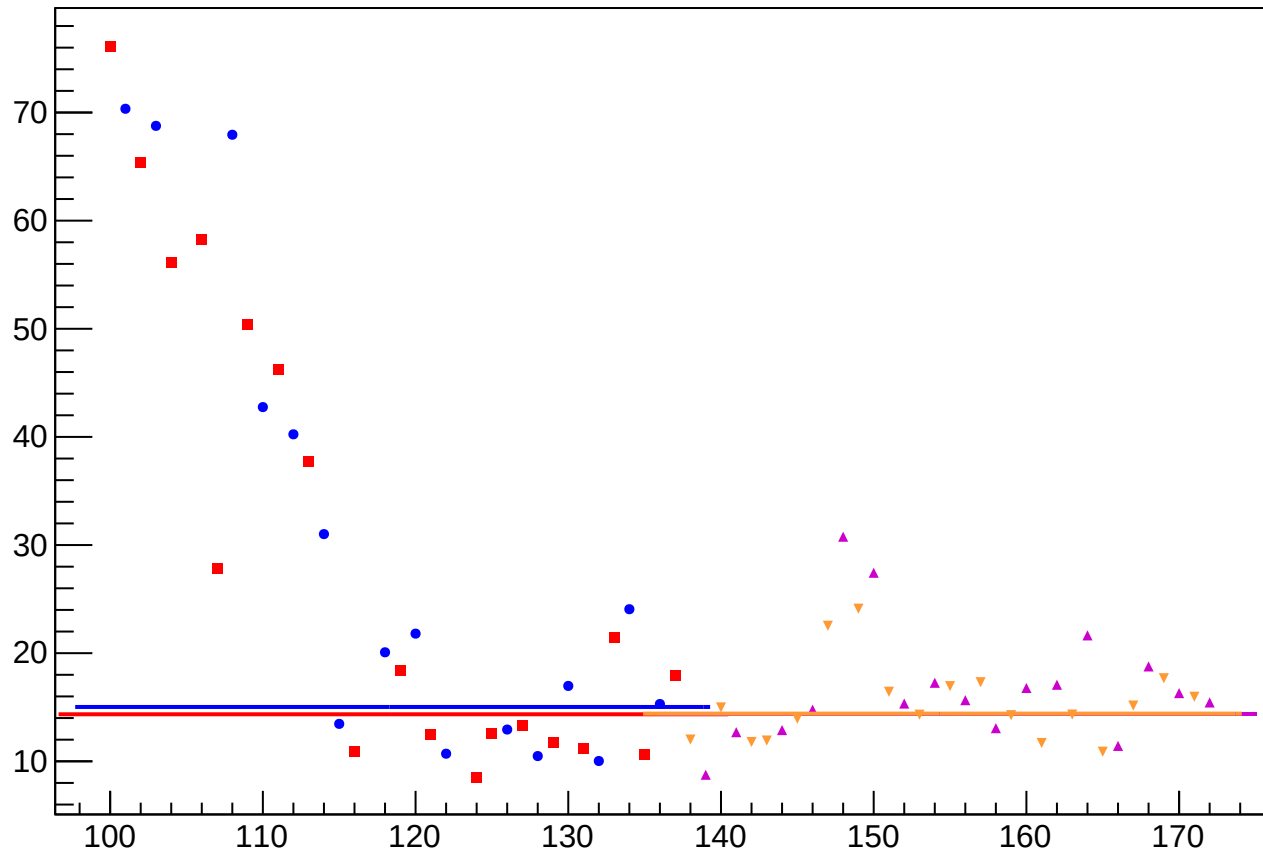
Left In: -0.003 ± 0.004 χ^2/NDF : 30.5/16

+ sign 0.002 ± 0.003 χ^2/NDF : 41.9/33

All: 0.001 ± 0.002 χ^2/NDF : 87.4/69

- sign 0.001 ± 0.003 χ^2/NDF : 45.4/35

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.025 $\pm$ 0.005 χ^2 /NDF: 3438279.3/15

Left Out: 14.408 $\pm$ 0.003 χ^2 /NDF: 998978.3/17

Right Out: 14.348 $\pm$ 0.005 χ^2 /NDF: 3629004.9/18

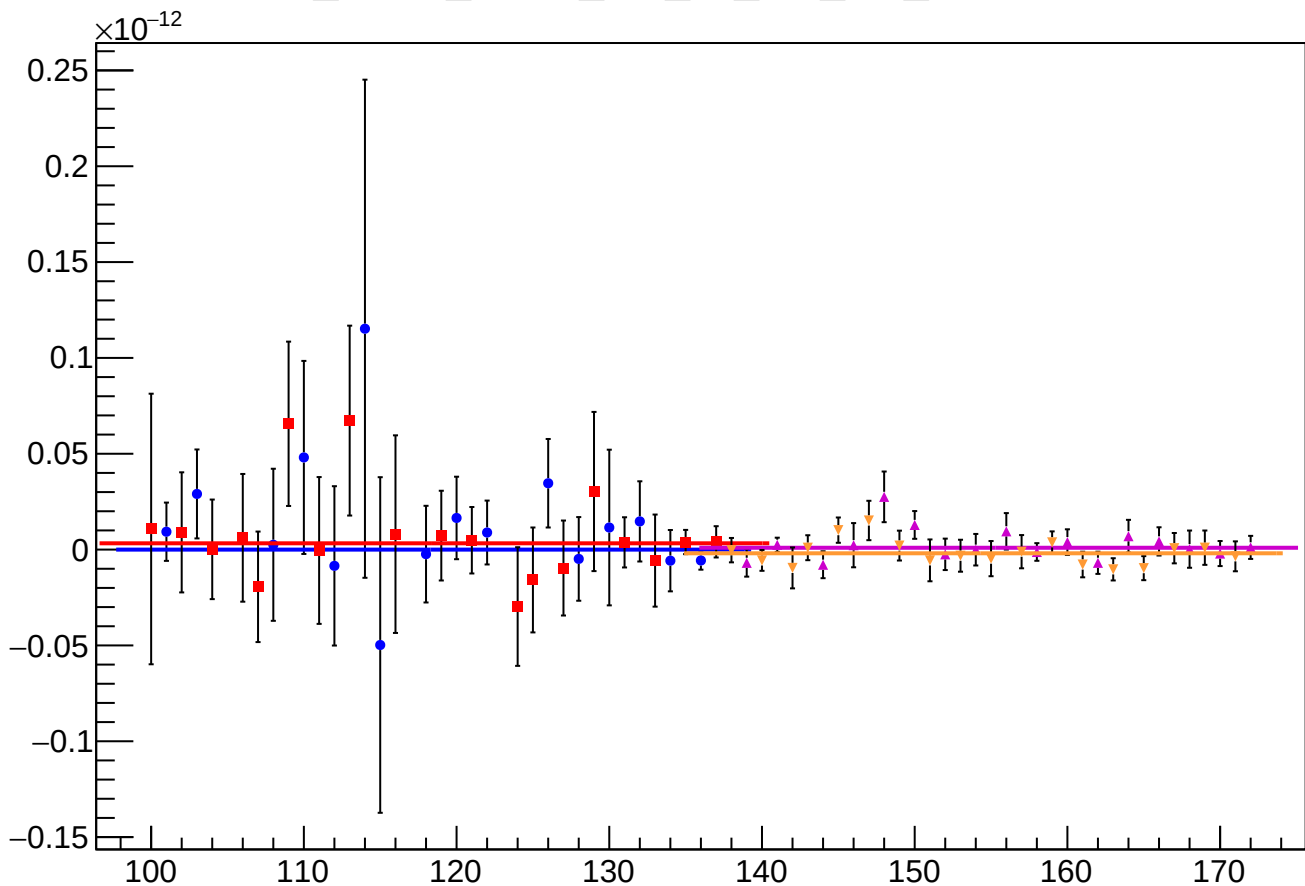
Left In: 14.377 $\pm$ 0.003 χ^2 /NDF: 2011216.8/16

+ sign 14.569 $\pm$ 0.002 χ^2 /NDF: 4449676.3/33

All: 14.469 $\pm$ 0.002 χ^2 /NDF: 10093314.6/69

- sign 14.369 $\pm$ 0.002 χ^2 /NDF: 5640251.0/35

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

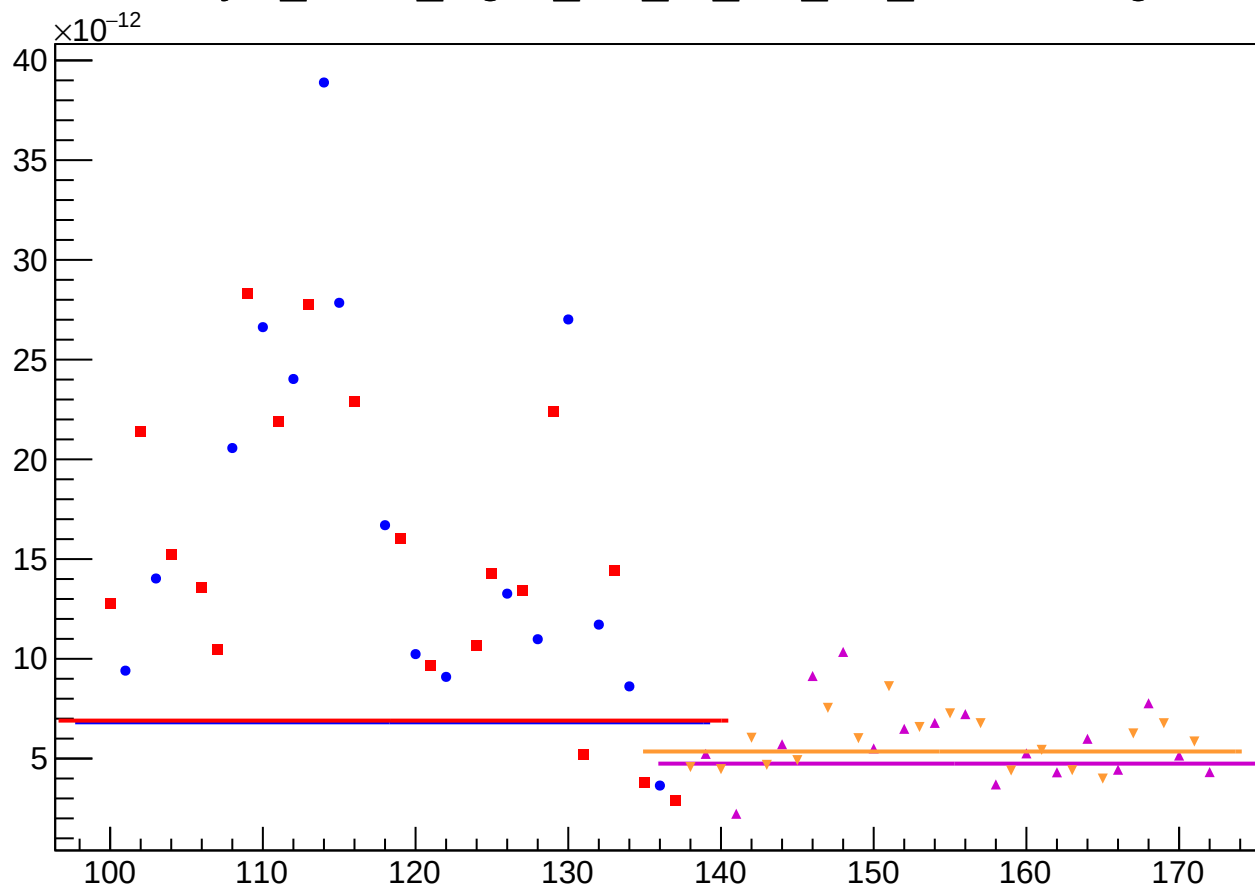
Left In: 0.000 ± 0.000 χ^2/NDF : 13.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 23.0/33

All: -0.000 ± 0.000 χ^2/NDF : 46.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.2/35

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 876742.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 4241227.1/18

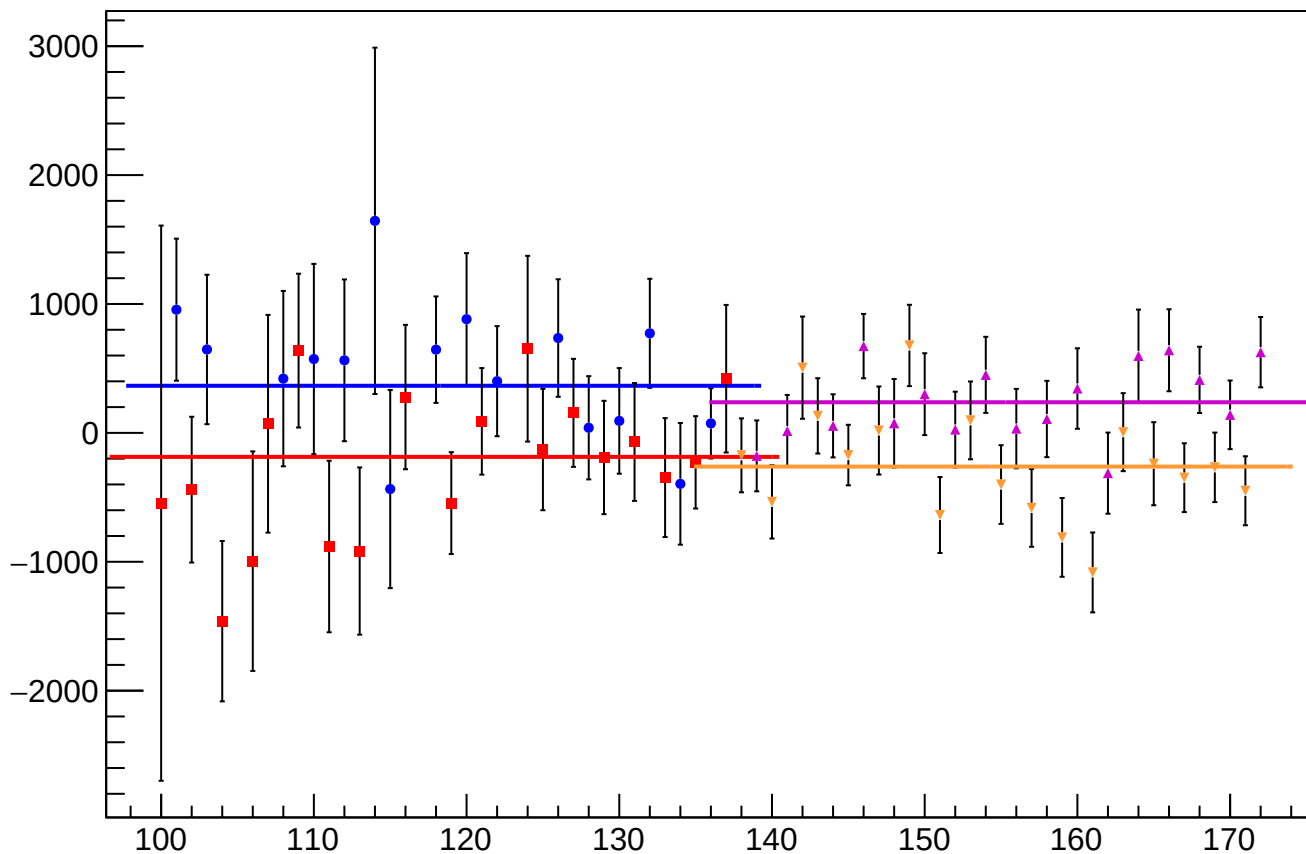
Left In: 0.000+/-0.000 χ^2/NDF : 2373227.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 4635682.6/33

All: 0.000+/-0.000 χ^2/NDF : 11886867.2/69

- sign 0.000+/-0.000 χ^2/NDF : 7125085.7/35

reg_asym_sam2_mean vs Slug



Right In: 365.540 ± 118.873 $\chi^2/\text{NDF}: 11.5/15$

Left Out: -261.410 ± 69.507 $\chi^2/\text{NDF}: 32.3/17$

Right Out: -186.141 ± 120.188 $\chi^2/\text{NDF}: 15.0/18$

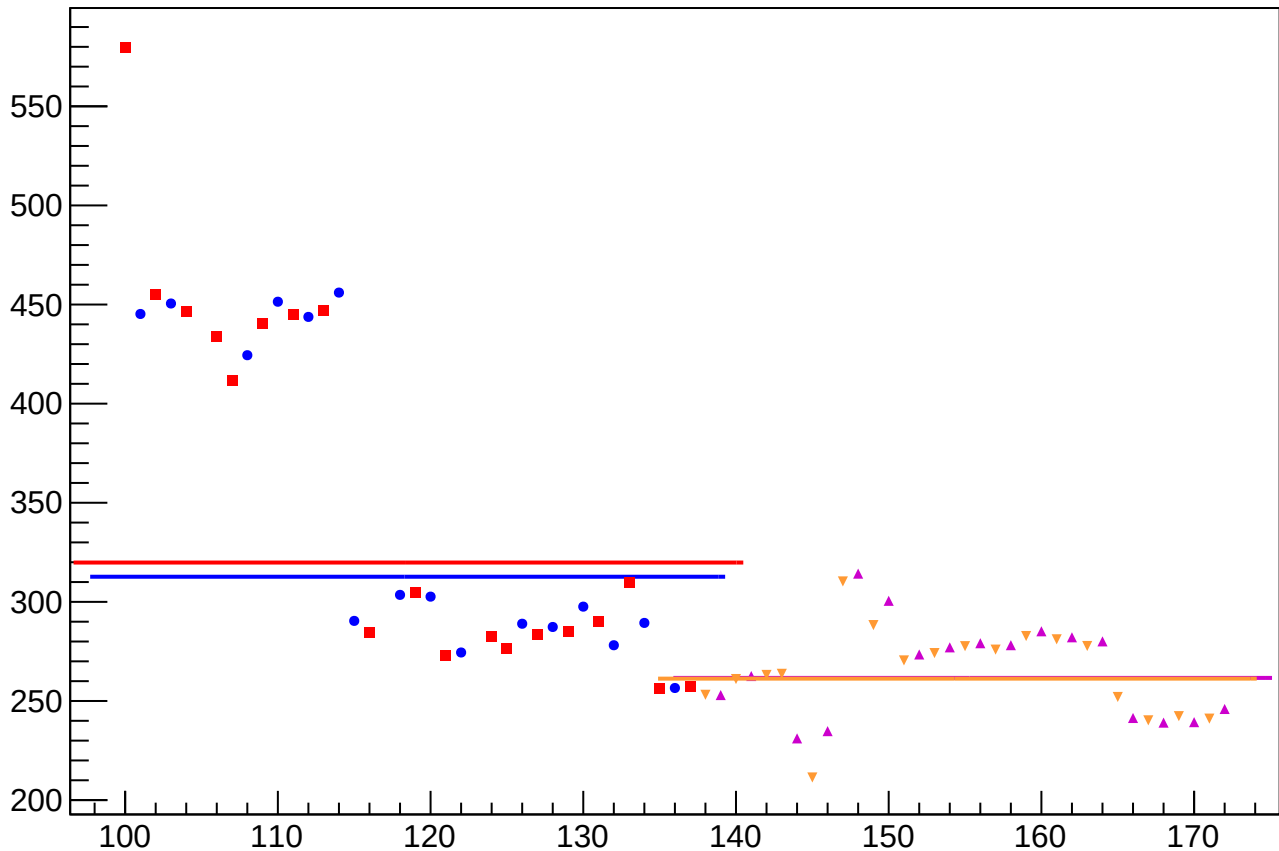
Left In: 237.498 ± 70.211 $\chi^2/\text{NDF}: 16.9/16$

+ sign -101.672 ± 60.003 $\chi^2/\text{NDF}: 64.5/33$

All: 12.826 ± 42.646 $\chi^2/\text{NDF}: 113.0/69$

- sign 129.710 ± 60.624 $\chi^2/\text{NDF}: 41.1/35$

reg_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602207.7/15

Left Out: 261.278 $\pm$ 0.049 χ^2 /NDF:223195.7/17

Right Out: 319.841 $\pm$ 0.085 χ^2 /NDF: 697878.1/18

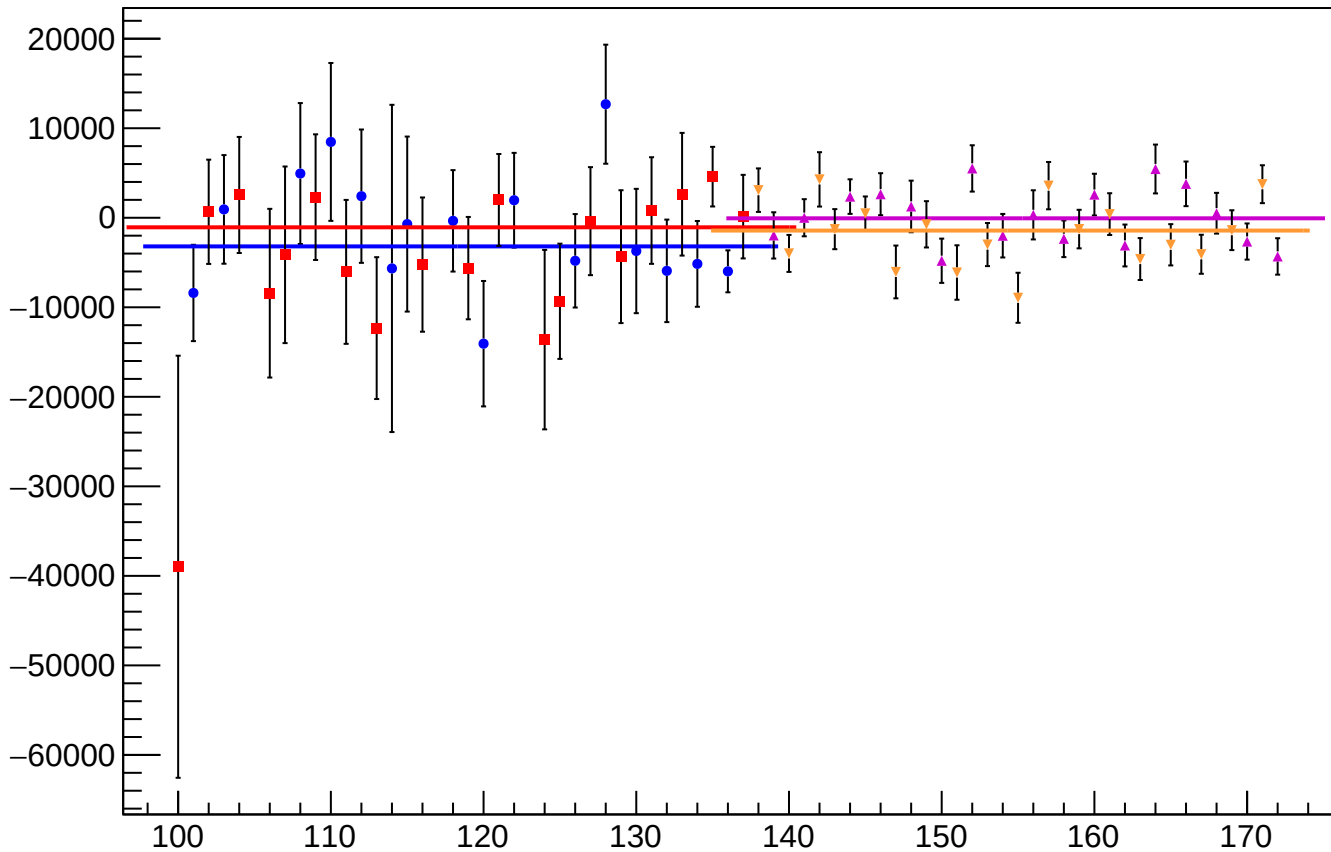
Left In: 261.642 $\pm$ 0.050 χ^2 /NDF:223778.5/16

+ sign 274.375 $\pm$ 0.042 χ^2 /NDF: 1104109.1/33

All: 275.402 $\pm$ 0.030 χ^2 /NDF: 2376591.0/69

- sign 276.450 $\pm$ 0.043 χ^2 /NDF: 1271299.2/35

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

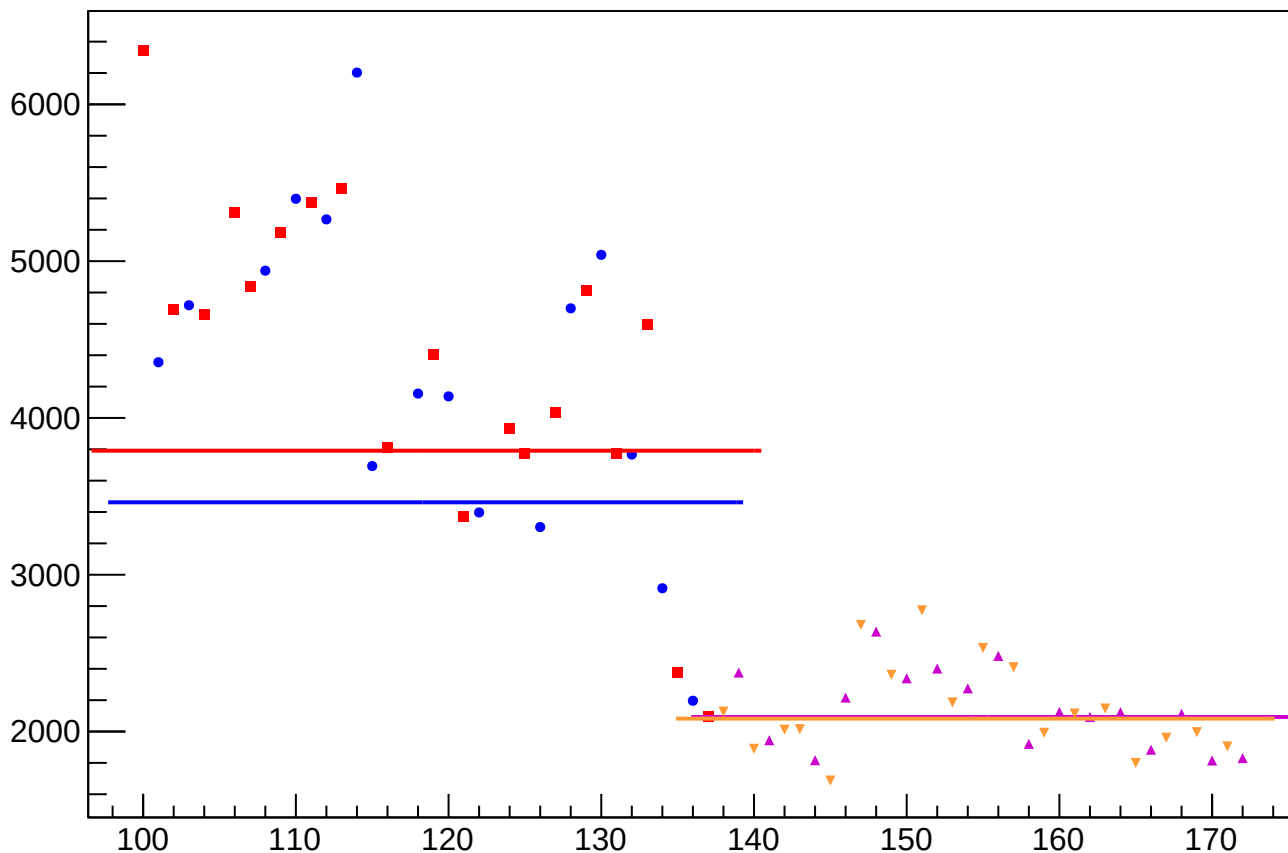
Left In: -61.793 ± 563.600 χ^2/NDF : 29.4/16

+ sign -1685.739 ± 515.835 χ^2/NDF : 53.7/33

All: -953.313 ± 367.946 χ^2/NDF : 102.0/69

- sign -194.647 ± 524.994 χ^2/NDF : 44.2/35

asym_sam2_reg_correction_rms vs Slug



Right In: 3461.927 $\pm$ 0.957 χ^2/NDF : 1309580.1/15

Left Out: 2082.481 $\pm$ 0.395 χ^2/NDF : 461911.0/17

Right Out: 3791.207 $\pm$ 1.021 χ^2/NDF : 1155755.9/18

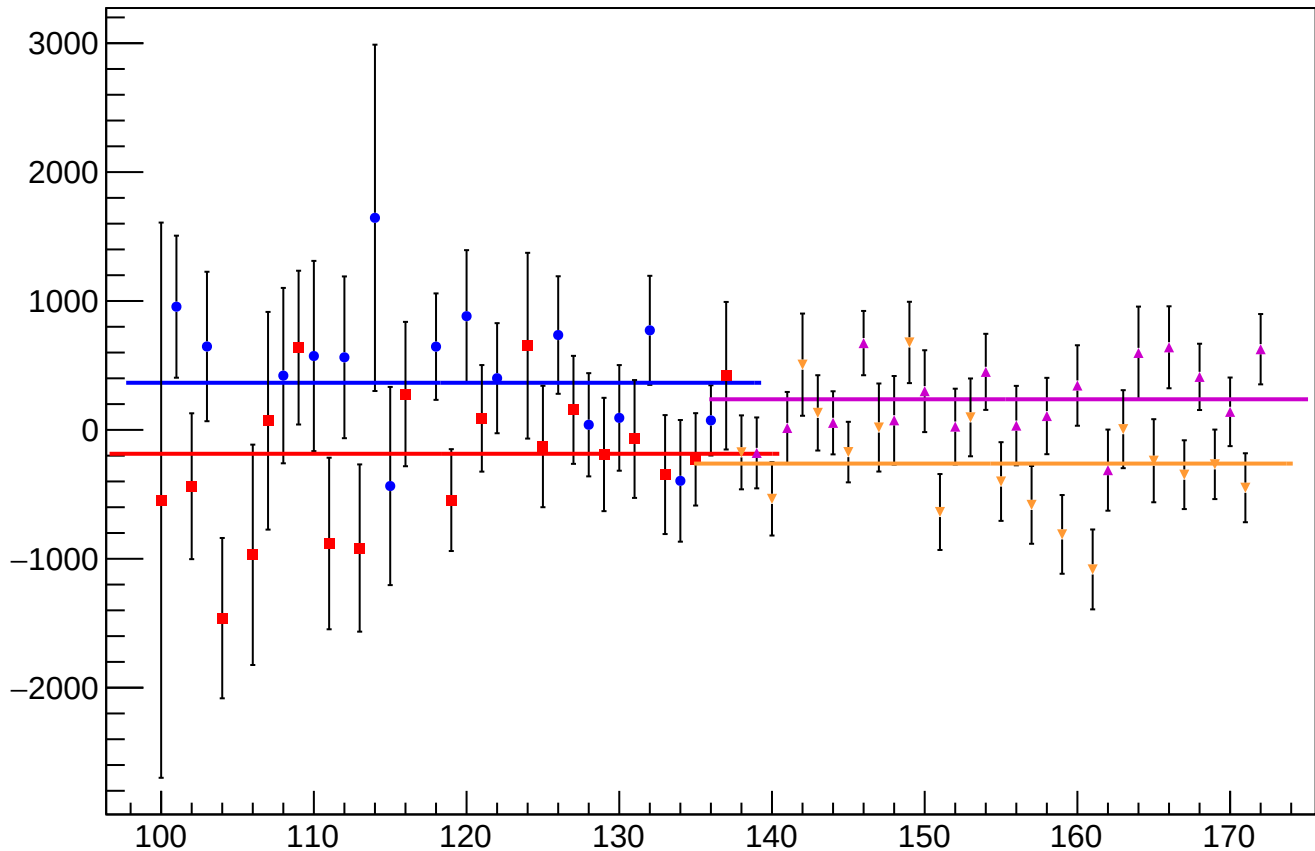
Left In: 2092.624 $\pm$ 0.399 χ^2/NDF : 351789.8/16

+ sign 2282.748 $\pm$ 0.365 χ^2/NDF : 3546486.3/33

All: 2299.748 $\pm$ 0.260 χ^2/NDF : 7461939.0/69

- sign 2317.357 $\pm$ 0.371 χ^2/NDF : 3911030.4/35

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

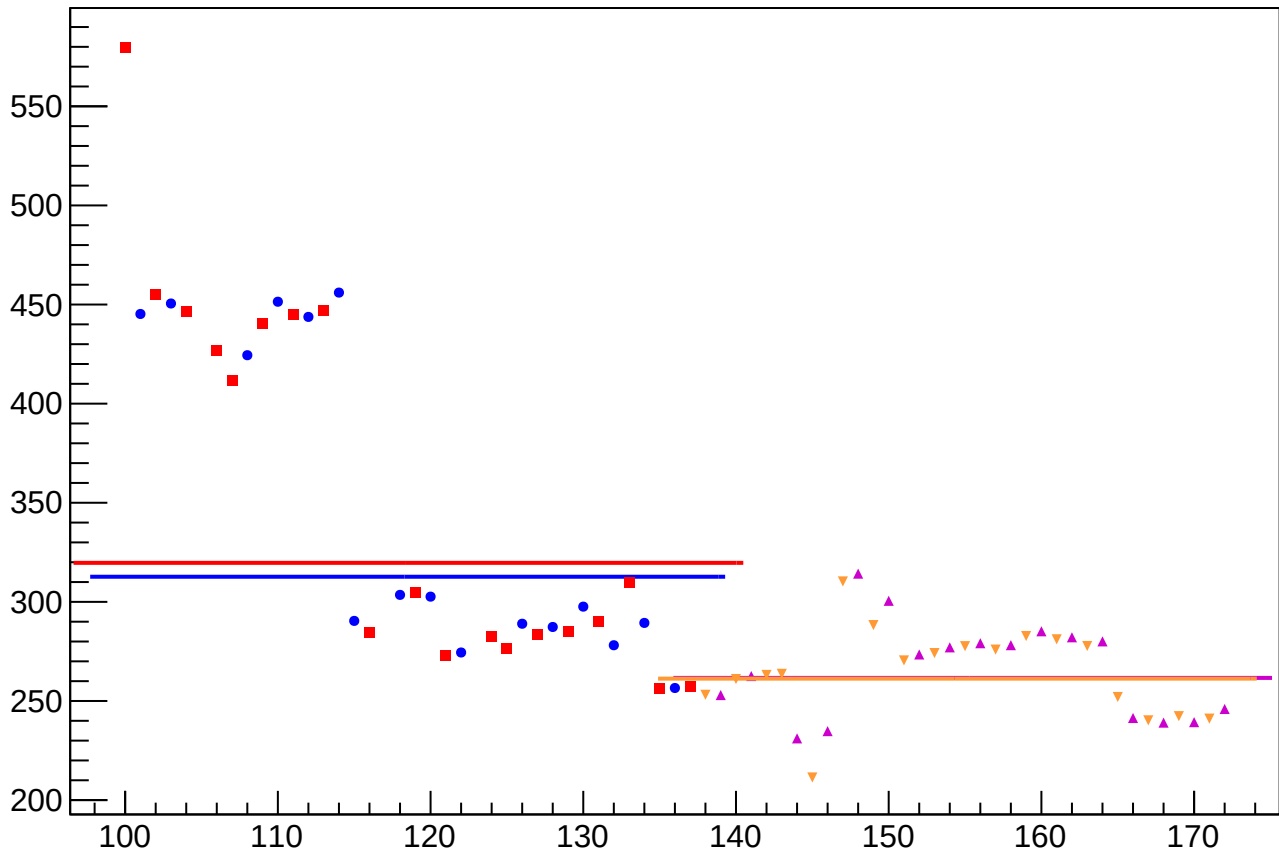
Left In: 237.502 ± 70.211 χ^2/NDF : 16.9/16

+ sign -101.673 ± 60.003 χ^2/NDF : 64.5/33

All: 12.934 ± 42.647 χ^2/NDF : 112.9/69

- sign 129.934 ± 60.626 χ^2/NDF : 41.0/35

cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 261.278 $\pm$ 0.049 χ^2 /NDF:223195.7/17

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

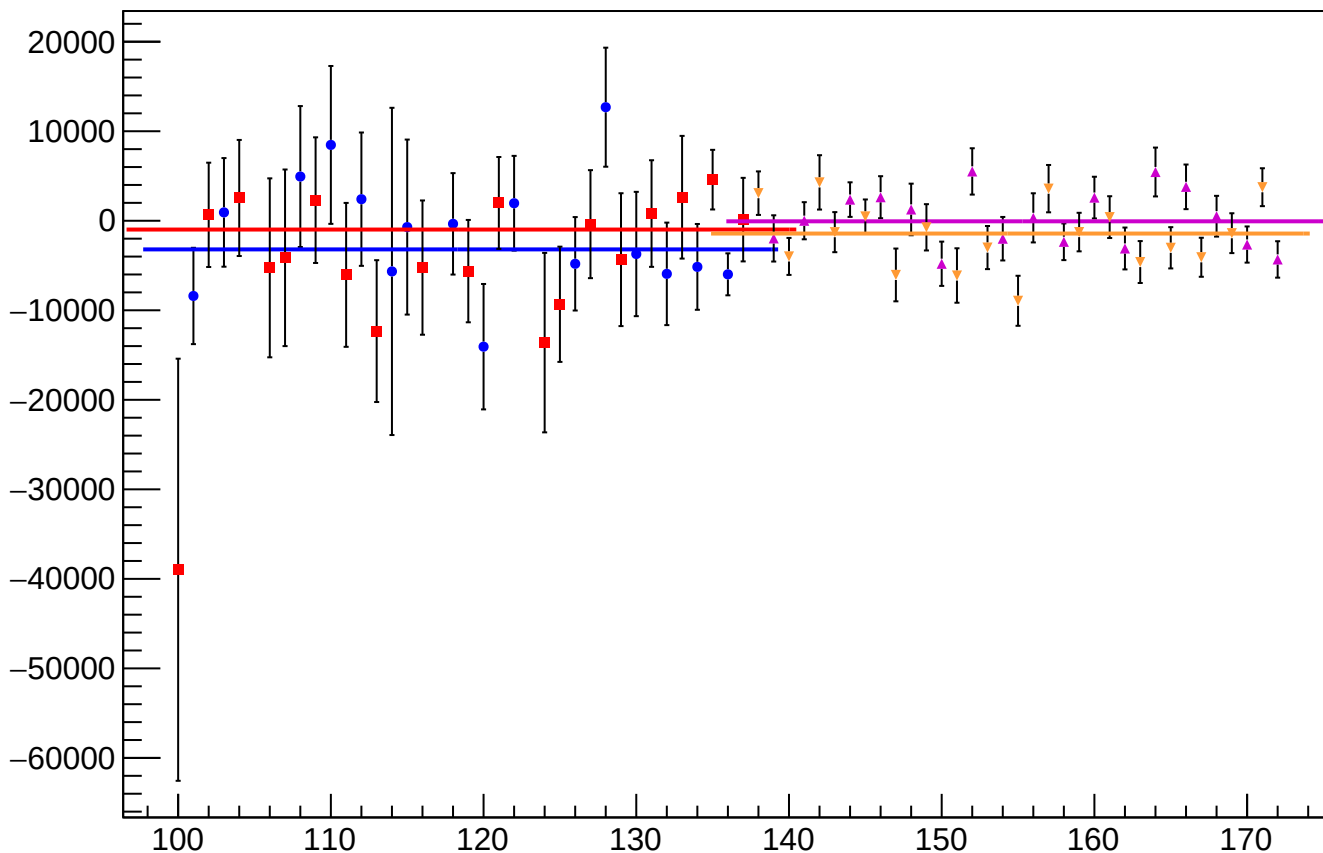
Left In: 261.642 $\pm$ 0.050 χ^2 /NDF:223778.5/16

+ sign 274.375 $\pm$ 0.042 χ^2 /NDF: 1104110.7/33

All: 275.382 $\pm$ 0.030 χ^2 /NDF: 2370557.9/69

- sign 276.410 $\pm$ 0.043 χ^2 /NDF: 1265309.5/35

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

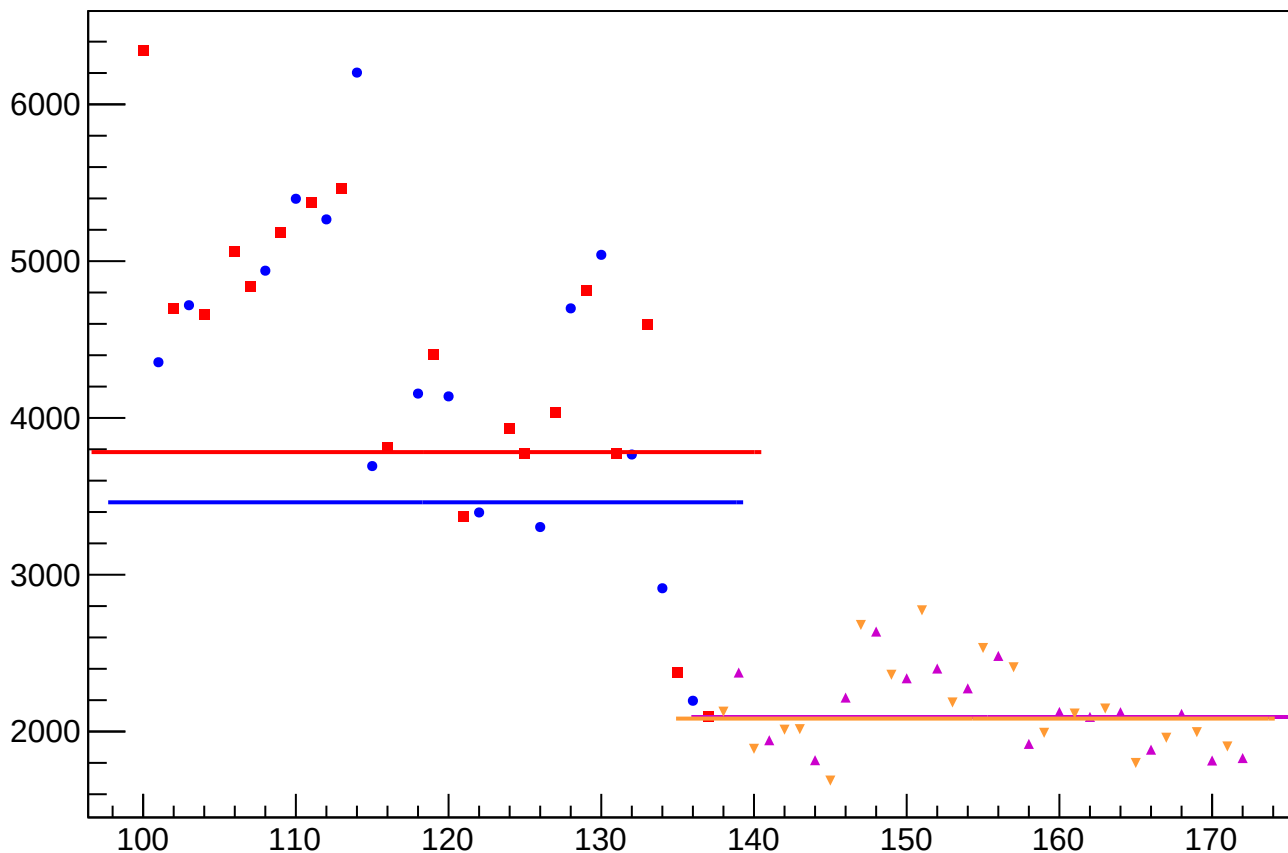
Left In: -61.798+/-563.600 χ^2 /NDF: 29.4/16

+ sign -1685.722+/-515.835 χ^2 /NDF: 53.7/33

All: -947.776+/-367.978 χ^2 /NDF: 101.5/69

- sign -183.122+/-525.087 χ^2 /NDF: 43.7/35

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

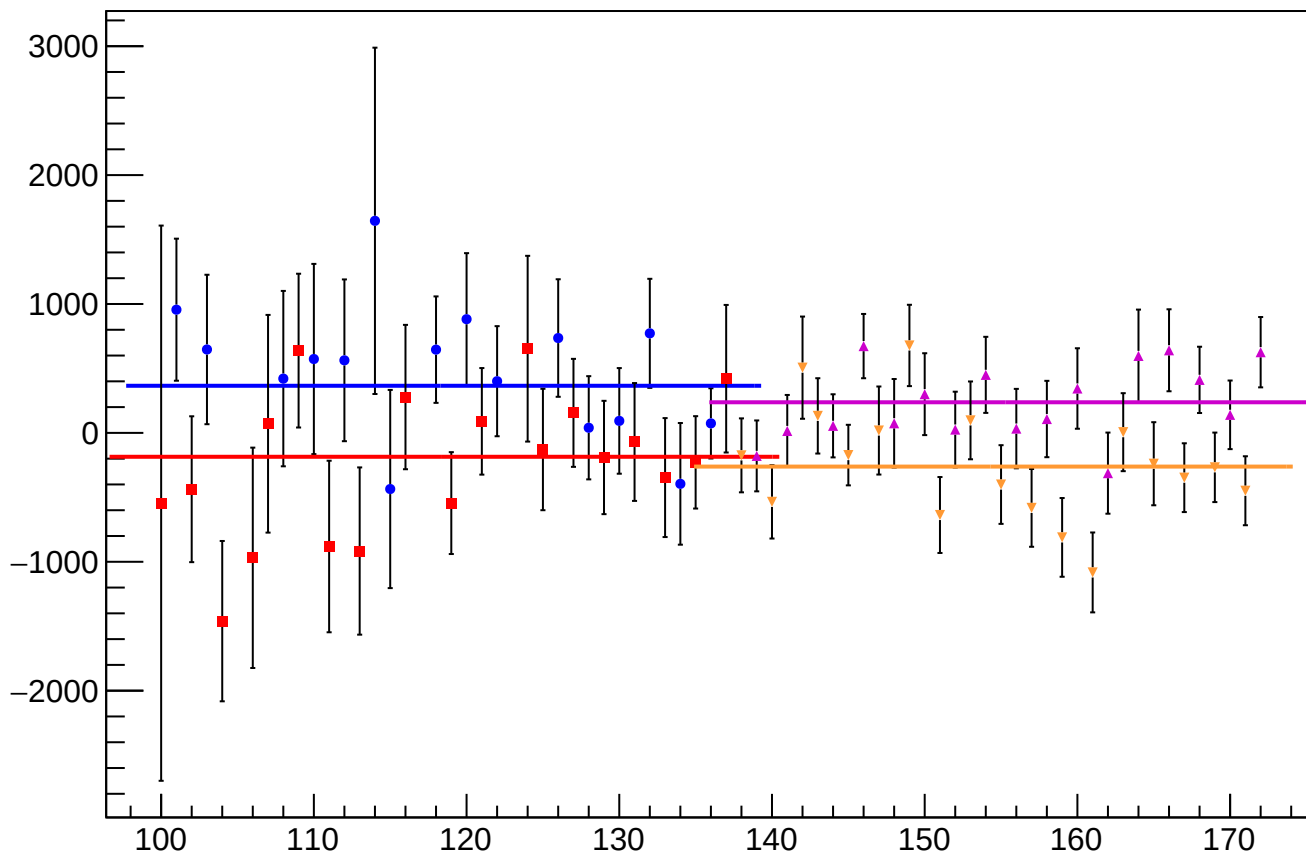
Left In: 2092.625+/-0.399 χ^2/NDF : 351790.7/16

+ sign 2282.748+/-0.365 χ^2/NDF : 3546506.4/33

All: 2298.903+/-0.260 χ^2/NDF : 7411092.3/69

- sign 2315.643+/-0.371 χ^2/NDF : 3860591.6/35

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

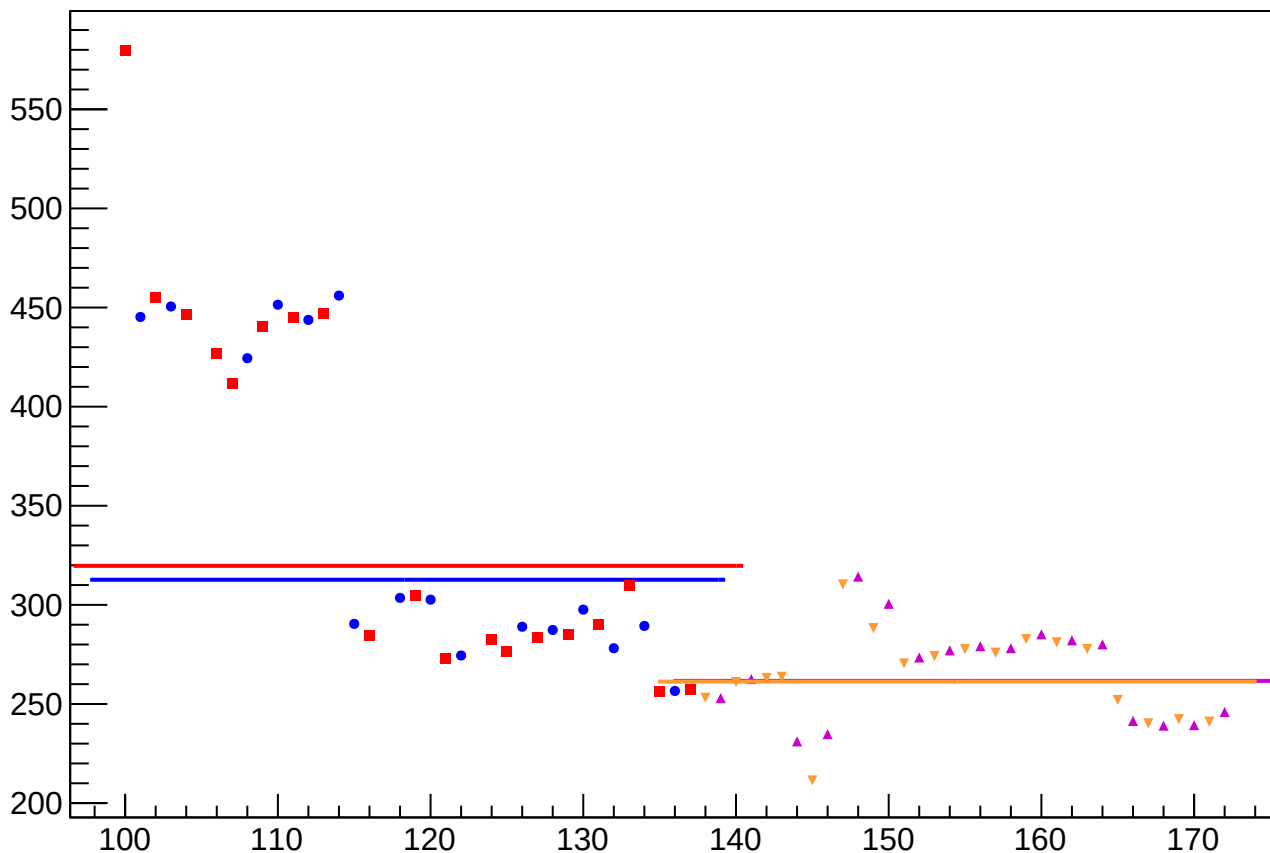
Left In: 237.502 ± 70.211 χ^2/NDF : 16.9/16

+ sign -101.673 ± 60.003 χ^2/NDF : 64.5/33

All: 12.934 ± 42.647 χ^2/NDF : 112.9/69

- sign 129.934 ± 60.626 χ^2/NDF : 41.0/35

eigen_cor_asym_sam2_rms vs Slug



Right In: 312.683 $\pm$ 0.084 χ^2 /NDF: 602209.1/15

Left Out: 261.278 $\pm$ 0.049 χ^2 /NDF:223195.7/17

Right Out: 319.693 $\pm$ 0.085 χ^2 /NDF: 693714.1/18

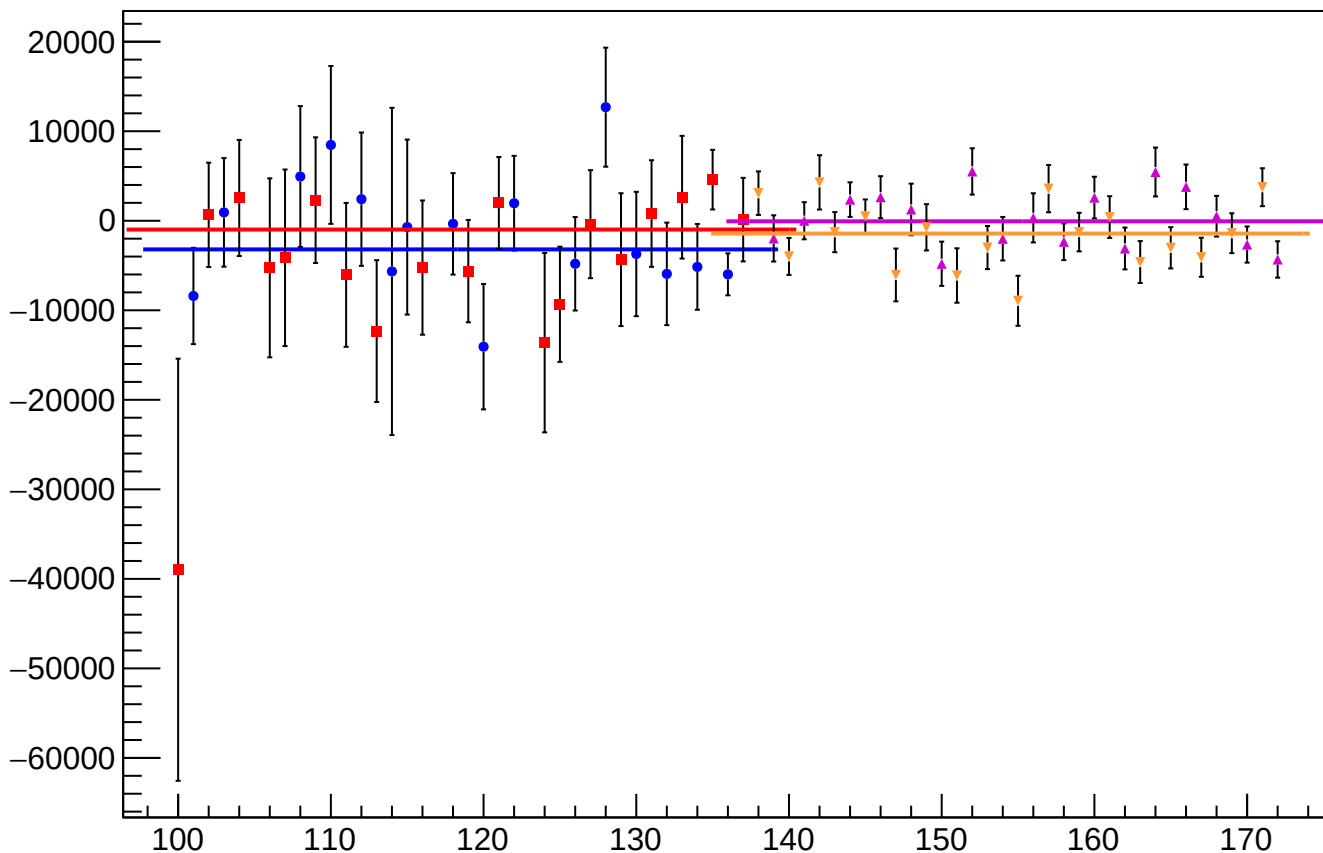
Left In: 261.642 $\pm$ 0.050 χ^2 /NDF:223778.5/16

+ sign 274.375 $\pm$ 0.042 χ^2 /NDF: 1104110.7/33

All: 275.382 $\pm$ 0.030 χ^2 /NDF: 2370557.9/69

- sign 276.410 $\pm$ 0.043 χ^2 /NDF: 1265309.5/35

asym_sam2_eigen_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

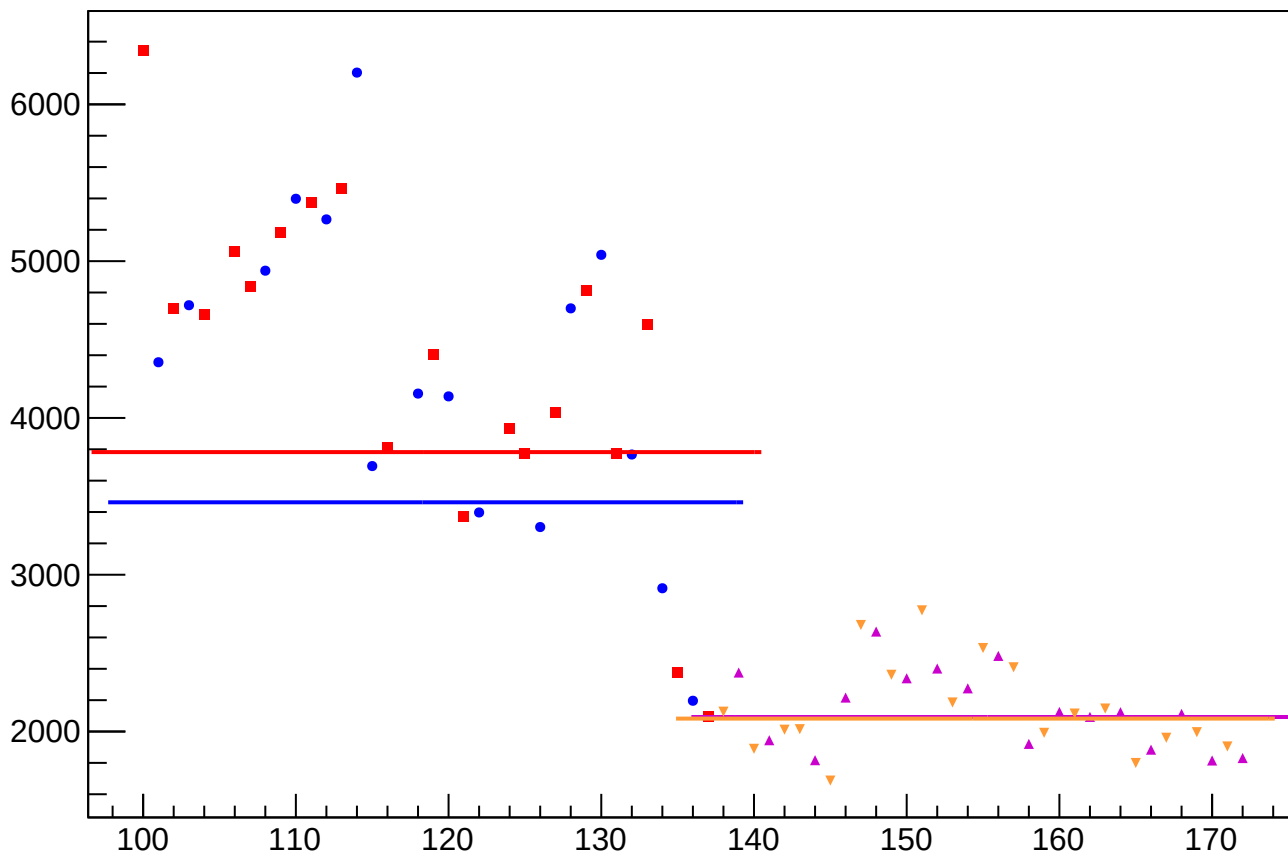
Left In: -61.798 ± 563.600 χ^2/NDF : 29.4/16

+ sign -1685.722 ± 515.835 χ^2/NDF : 53.7/33

All: -947.776 ± 367.978 χ^2/NDF : 101.5/69

- sign -183.122 ± 525.087 χ^2/NDF : 43.7/35

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3461.932 $\pm$ 0.957 χ^2/NDF : 1309596.2/15

Left Out: 2082.481 $\pm$ 0.395 χ^2/NDF : 461911.1/17

Right Out: 3782.176 $\pm$ 1.022 χ^2/NDF : 1136342.8/18

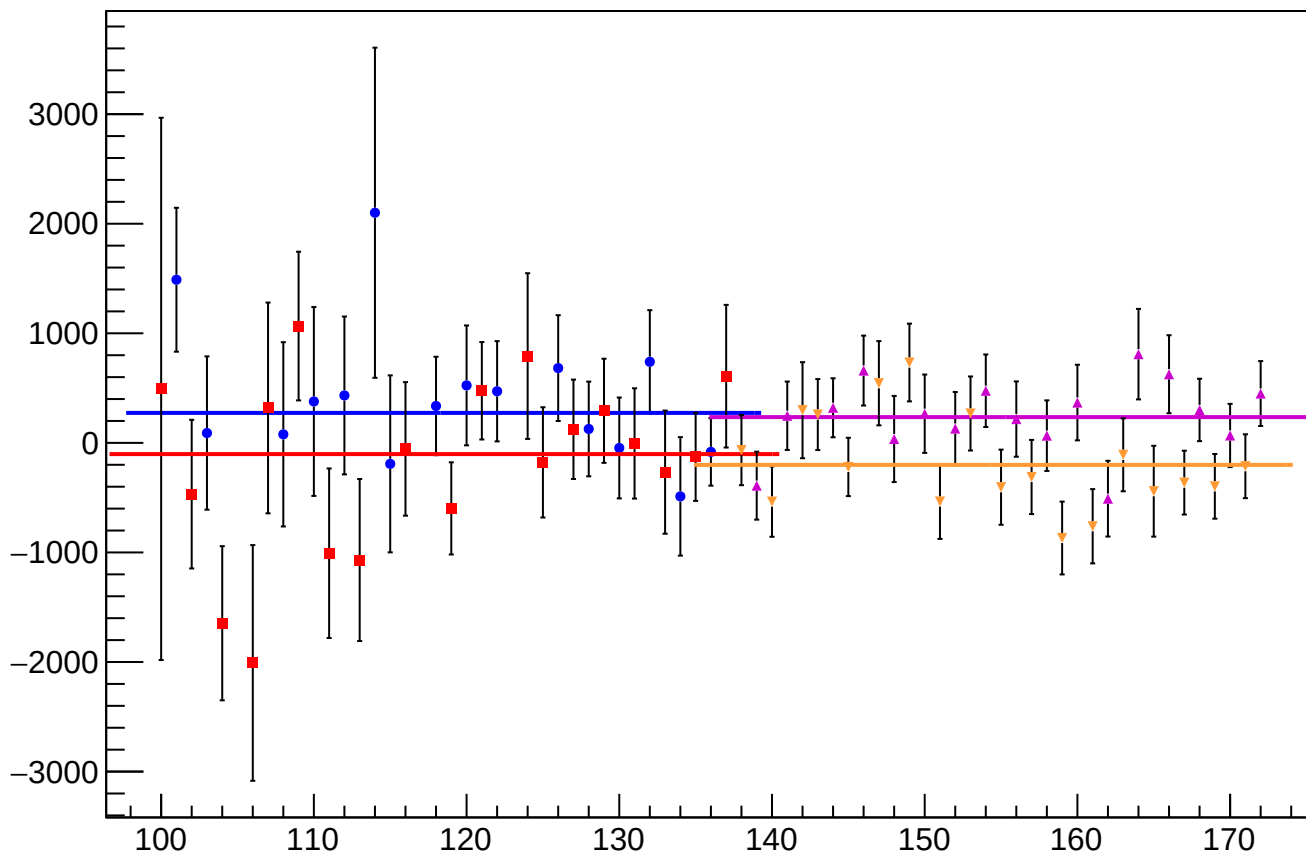
Left In: 2092.625 $\pm$ 0.399 χ^2/NDF : 351790.7/16

+ sign 2282.748 $\pm$ 0.365 χ^2/NDF : 3546506.4/33

All: 2298.903 $\pm$ 0.260 χ^2/NDF : 7411092.3/69

- sign 2315.643 $\pm$ 0.371 χ^2/NDF : 3860591.6/35

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

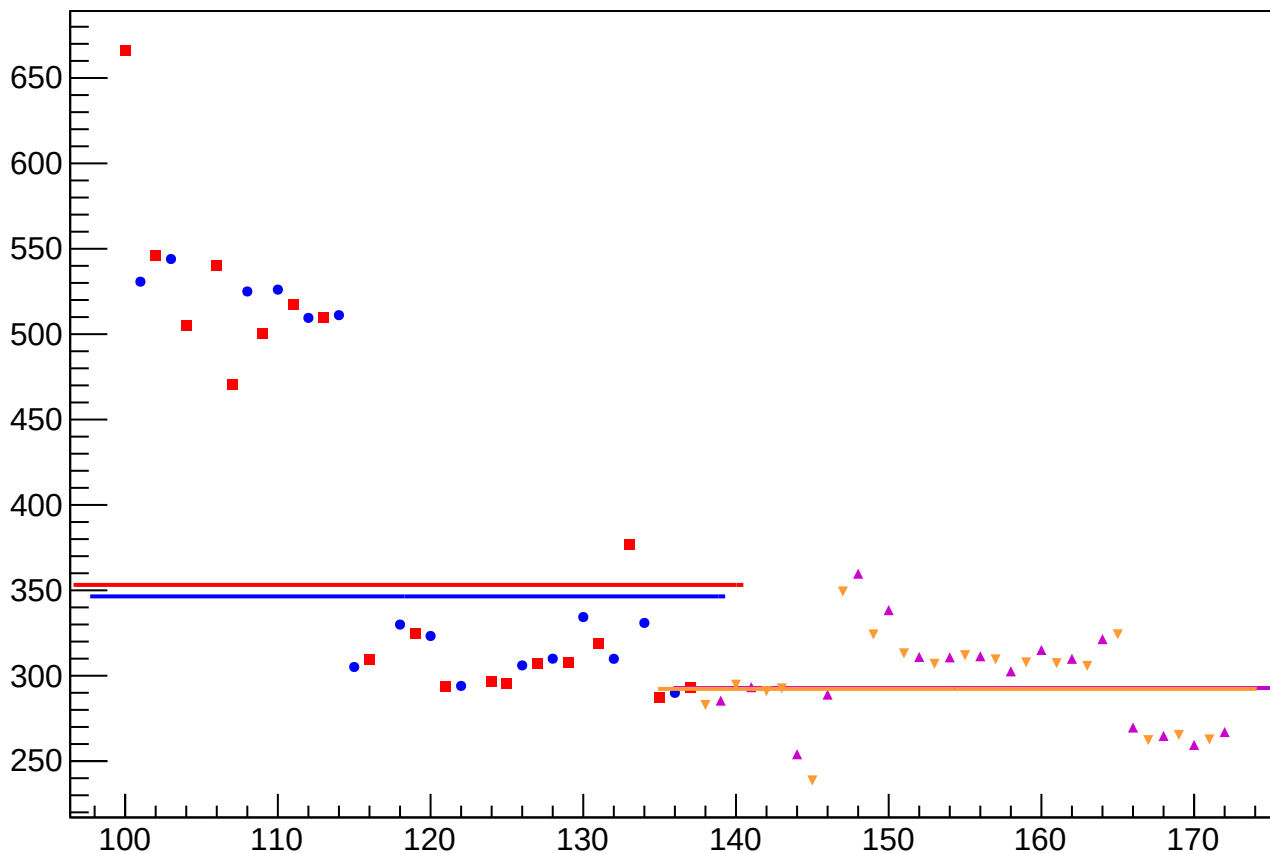
Left In: 235.115 ± 78.800 χ^2/NDF : 16.0/16

+ sign -79.301 ± 67.100 χ^2/NDF : 47.5/33

All: 33.054 ± 47.718 χ^2/NDF : 95.2/69

- sign 148.017 ± 67.874 χ^2/NDF : 42.0/35

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

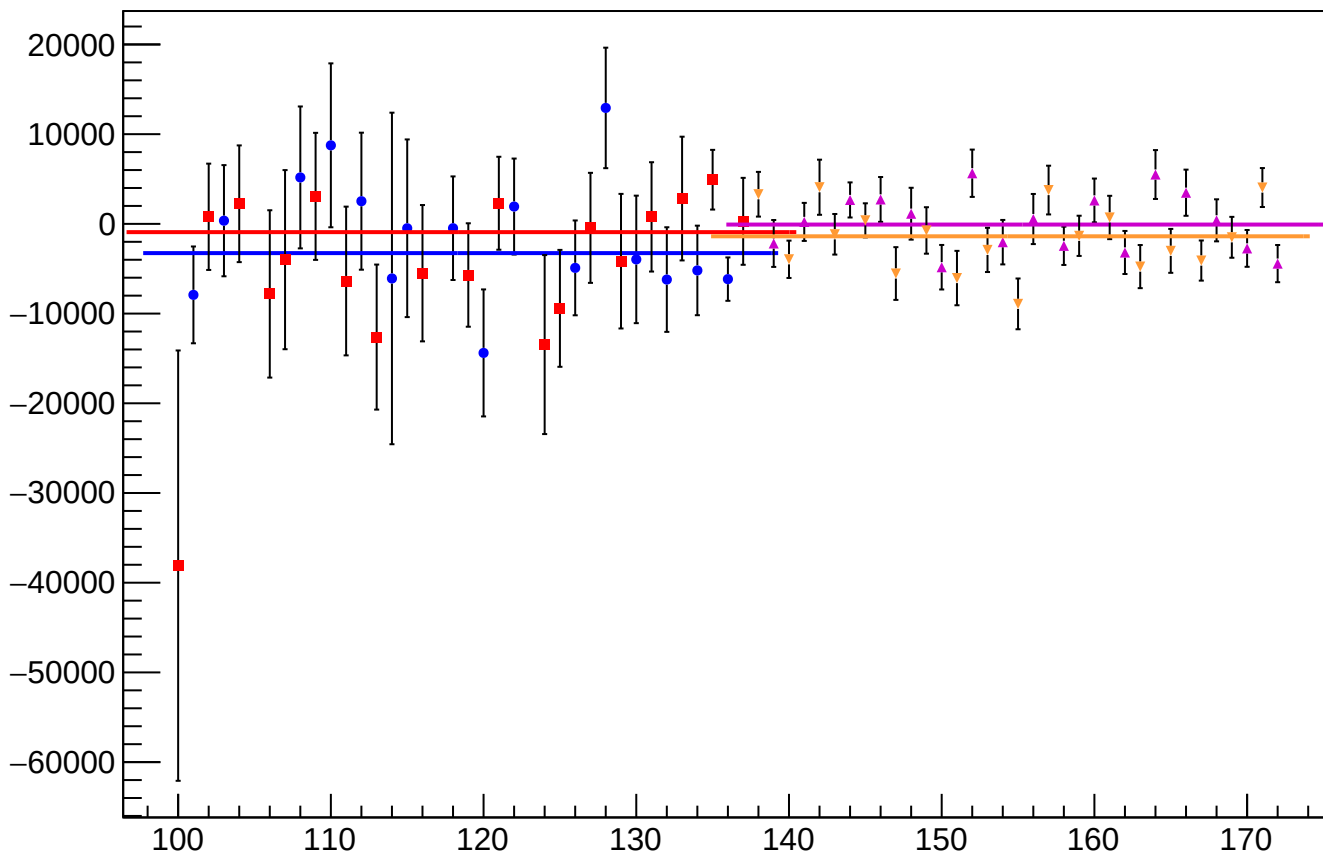
Left In: 292.804+/-0.056 χ^2/NDF : 245444.3/16

+ sign 306.178+/-0.047 χ^2/NDF : 1265327.5/33

All: 307.269+/-0.034 χ^2/NDF : 2681199.4/69

- sign 308.385+/-0.048 χ^2/NDF : 1414802.7/35

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

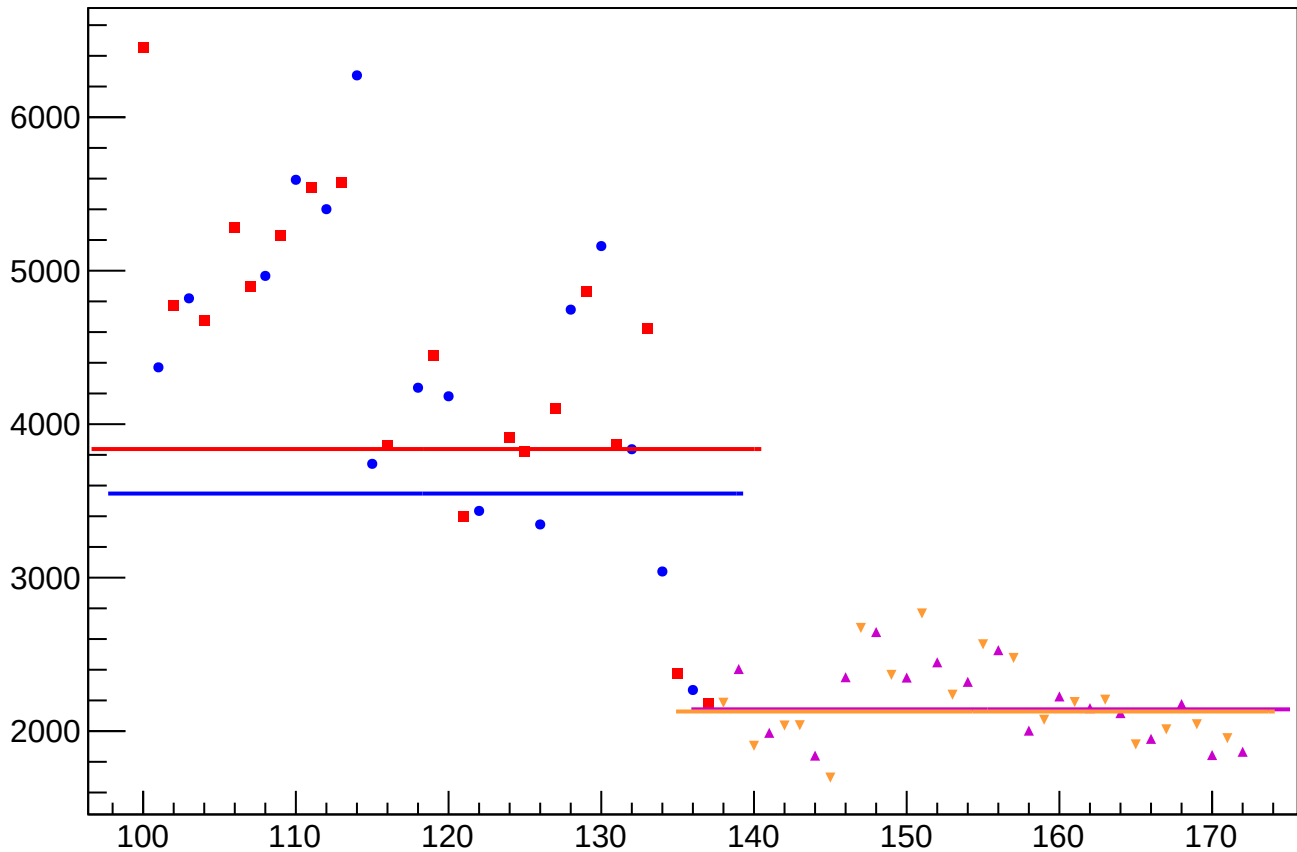
Left In: -76.404 ± 576.718 χ^2/NDF : 29.5/16

+ sign -1655.981 ± 526.597 χ^2/NDF : 53.1/33

All: -936.703 ± 375.786 χ^2/NDF : 101.3/69

- sign -190.331 ± 536.423 χ^2/NDF : 44.4/35

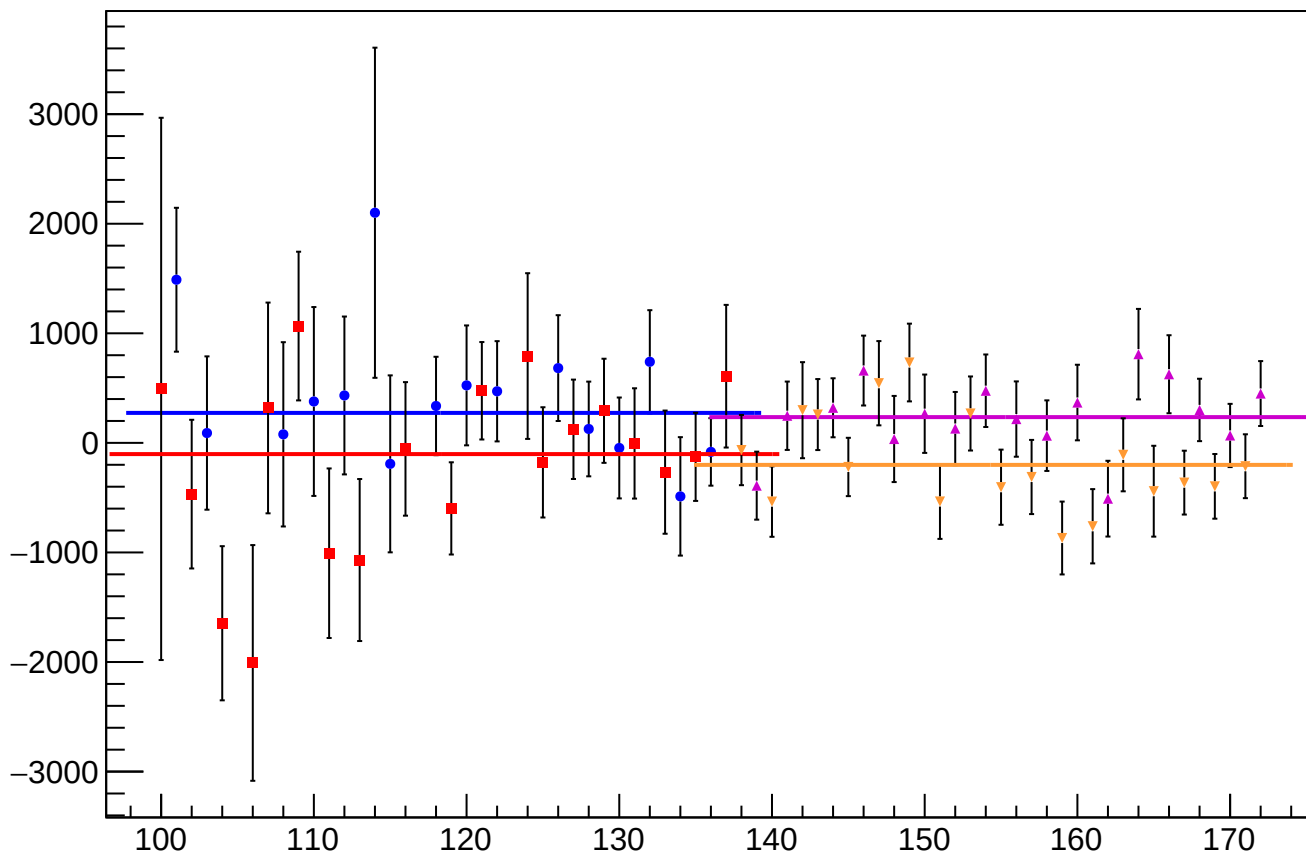
asym_sam2_dit_correction_rms vs Slug



Right In: 3547.969 ± 0.979 $\chi^2/\text{NDF}: 1258486.8/15$
 Left Out: 2127.869 ± 0.403 $\chi^2/\text{NDF}: 431654.7/17$
 Right Out: 3837.970 ± 1.033 $\chi^2/\text{NDF}: 1155831.8/18$
 Left In: 2141.894 ± 0.408 $\chi^2/\text{NDF}: 342690.7/16$

+ sign 2333.418 ± 0.372 $\chi^2/\text{NDF}: 3490691.8/33$
 All: 2351.677 ± 0.266 $\chi^2/\text{NDF}: 7326871.7/69$
 - sign 2370.623 ± 0.379 $\chi^2/\text{NDF}: 3831280.4/35$

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

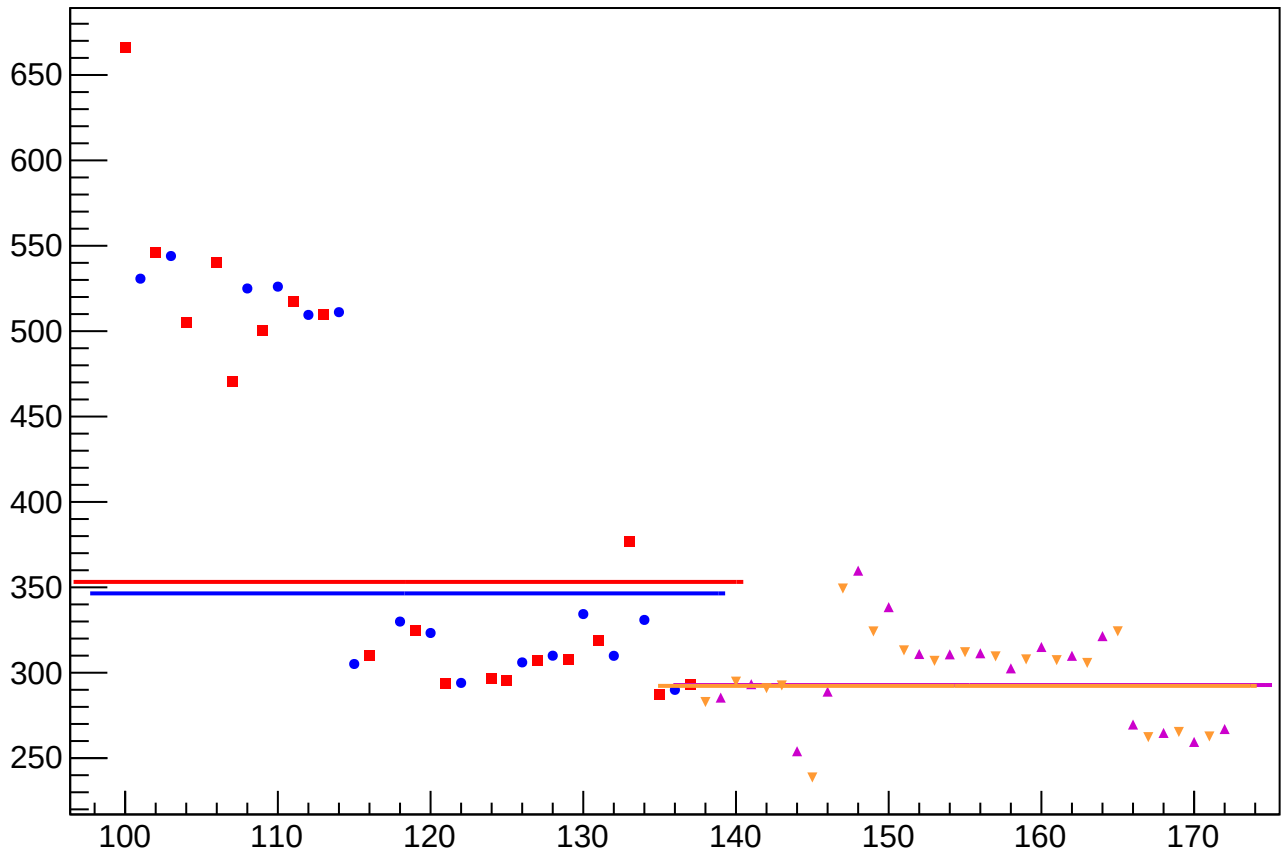
Left In: 235.119 ± 78.800 χ^2/NDF : 16.0/16

+ sign -79.302 ± 67.099 χ^2/NDF : 47.5/33

All: 33.055 ± 47.718 χ^2/NDF : 95.2/69

- sign 148.020 ± 67.874 χ^2/NDF : 42.0/35

eigen_dit_asym_sam2_rms vs Slug



Right In: 346.453 $\pm$ 0.094 χ^2 /NDF: 768754.7/15

Left Out: 292.297 $\pm$ 0.055 χ^2 /NDF: 248217.6/17

Right Out: 353.176 $\pm$ 0.094 χ^2 /NDF: 866353.6/18

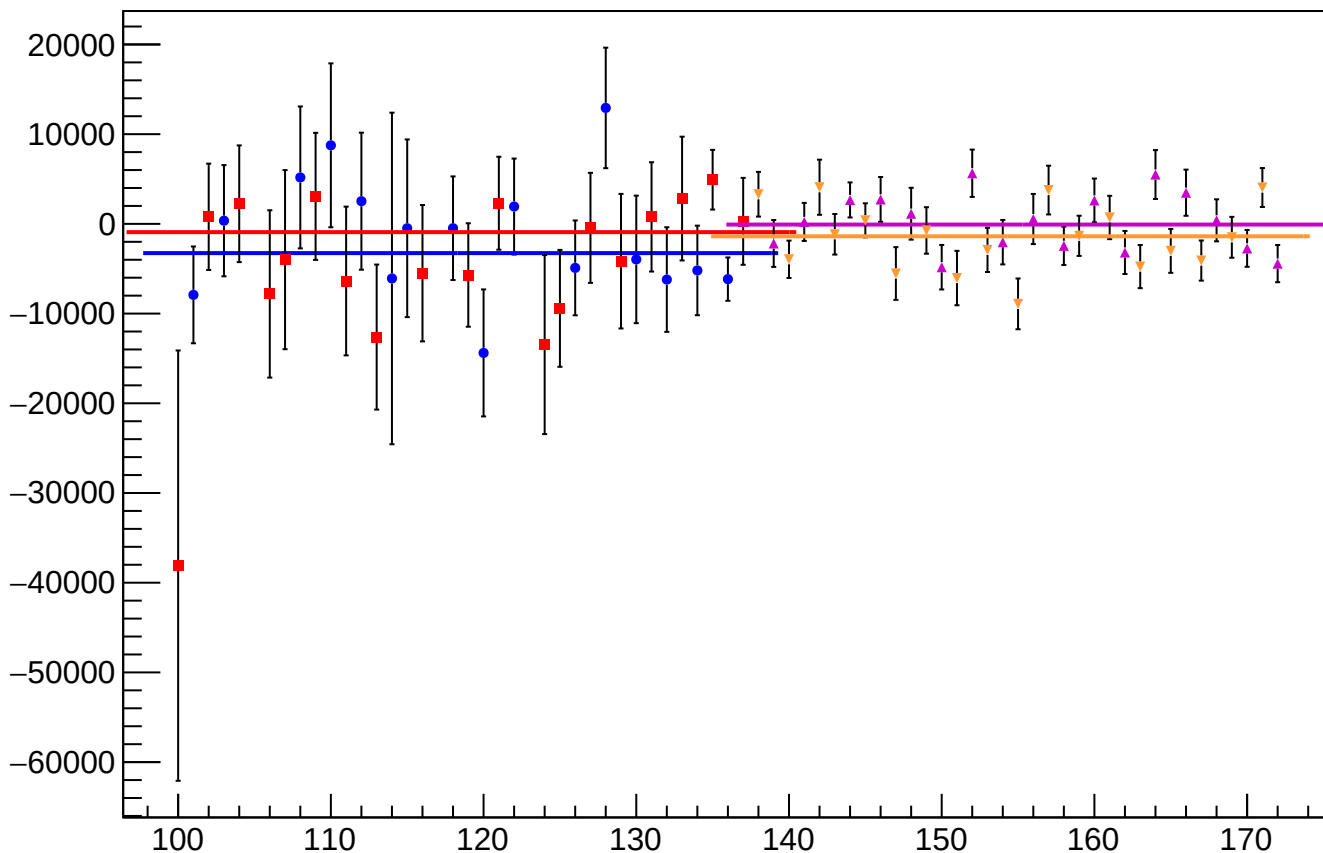
Left In: 292.804 $\pm$ 0.056 χ^2 /NDF: 245447.5/16

+ sign 306.178 $\pm$ 0.047 χ^2 /NDF: 1265308.6/33

All: 307.269 $\pm$ 0.034 χ^2 /NDF: 2681162.8/69

- sign 308.385 $\pm$ 0.048 χ^2 /NDF: 1414784.9/35

asym_sam2_eigen_dit_correction_mean vs Slug



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

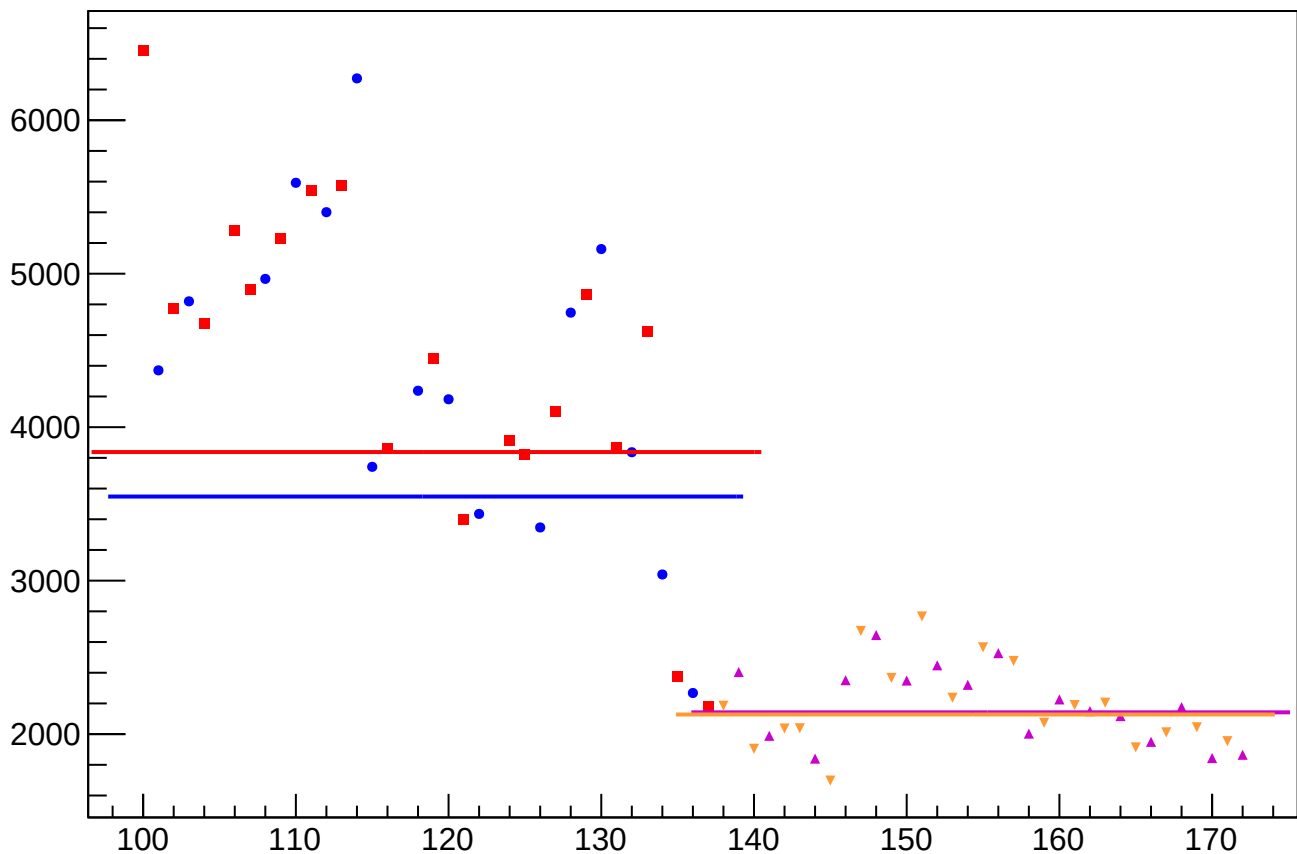
Left In: -76.404 ± 576.718 χ^2/NDF : 29.5/16

+ sign -1655.980 ± 526.596 χ^2/NDF : 53.1/33

All: -936.702 ± 375.786 χ^2/NDF : 101.3/69

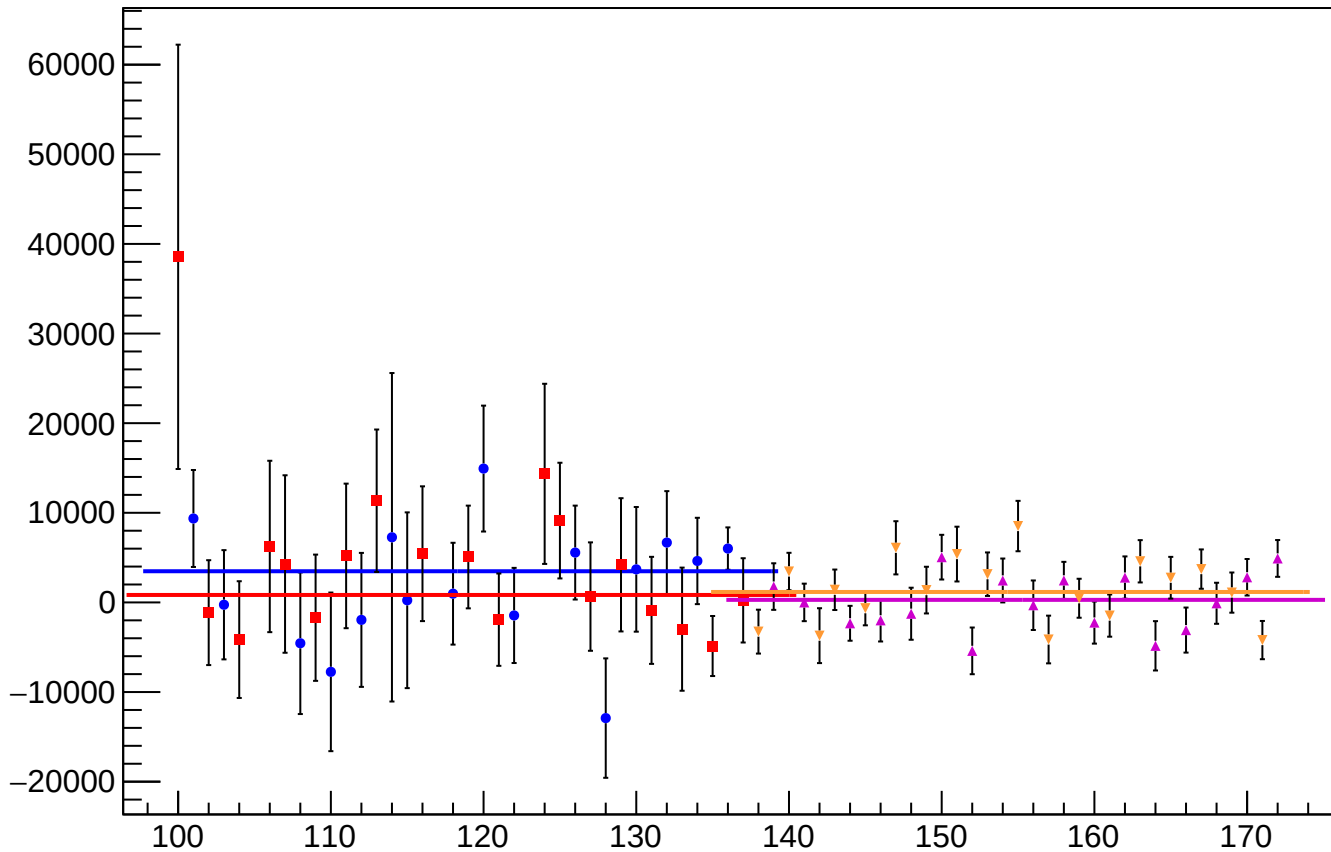
- sign -190.332 ± 536.423 χ^2/NDF : 44.4/35

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3547.966 $\pm$ 0.979 χ^2/NDF : 1258472.8/15
 Left Out: 2127.868 $\pm$ 0.403 χ^2/NDF : 431661.8/17
 Right Out: 3837.965 $\pm$ 1.033 χ^2/NDF : 1155821.5/18
 Left In: 2141.893 $\pm$ 0.408 χ^2/NDF : 342693.2/16
 + sign 2333.417 $\pm$ 0.372 χ^2/NDF : 3490684.0/33
 All: 2351.676 $\pm$ 0.266 χ^2/NDF : 7326851.7/69
 - sign 2370.623 $\pm$ 0.379 χ^2/NDF : 3831268.1/35

asym_sam2_mean vs Slug



Right In: 3478.372 $\pm$ 1360.356 χ^2 /NDF: 16.3/15

Left Out: 1165.788 $\pm$ 562.428 χ^2 /NDF: 35.7/17

Right Out: 832.583 $\pm$ 1449.649 χ^2 /NDF: 14.0/18

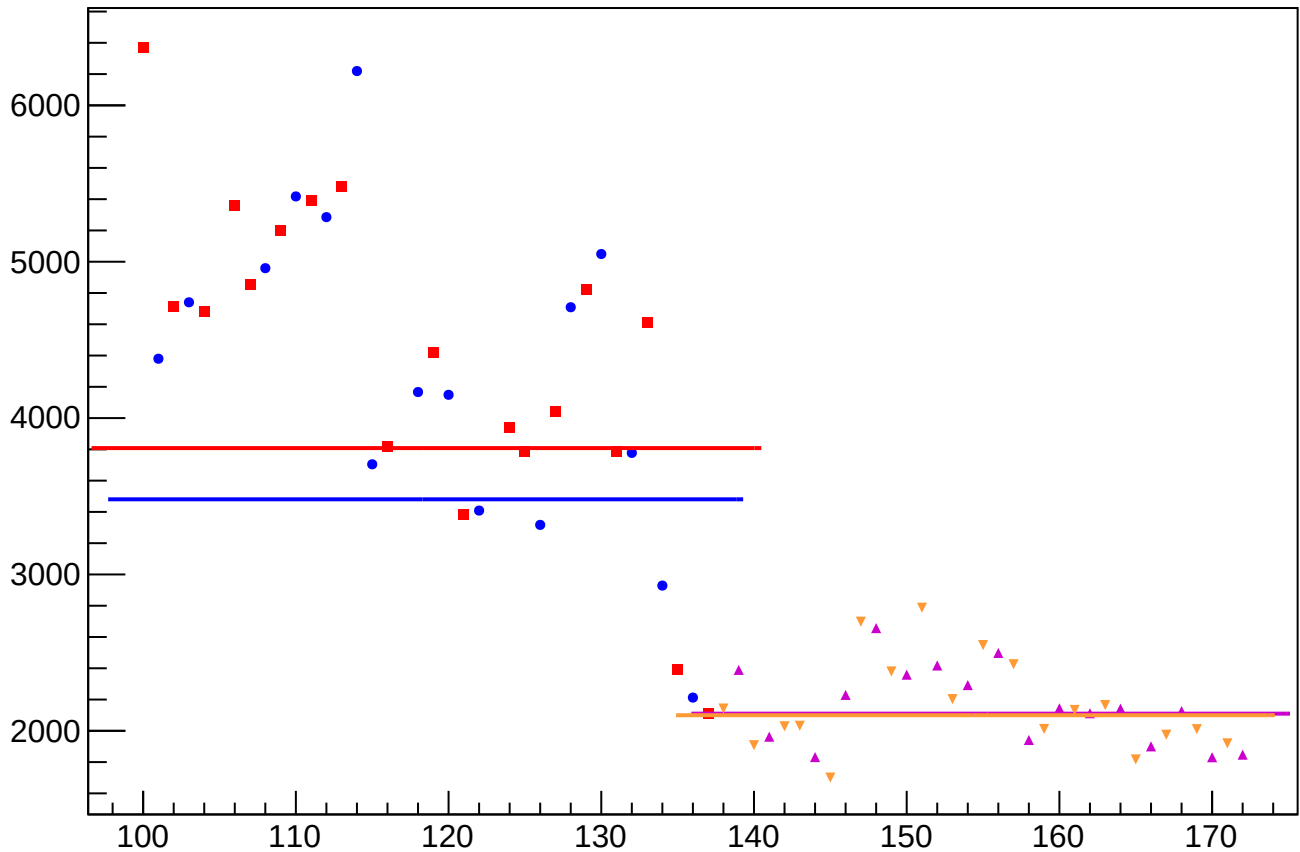
Left In: 285.030 $\pm$ 568.158 χ^2 /NDF: 27.9/16

+ sign 1503.381 $\pm$ 519.757 χ^2 /NDF: 54.5/33

All: 940.734 $\pm$ 370.742 χ^2 /NDF: 98.9/69

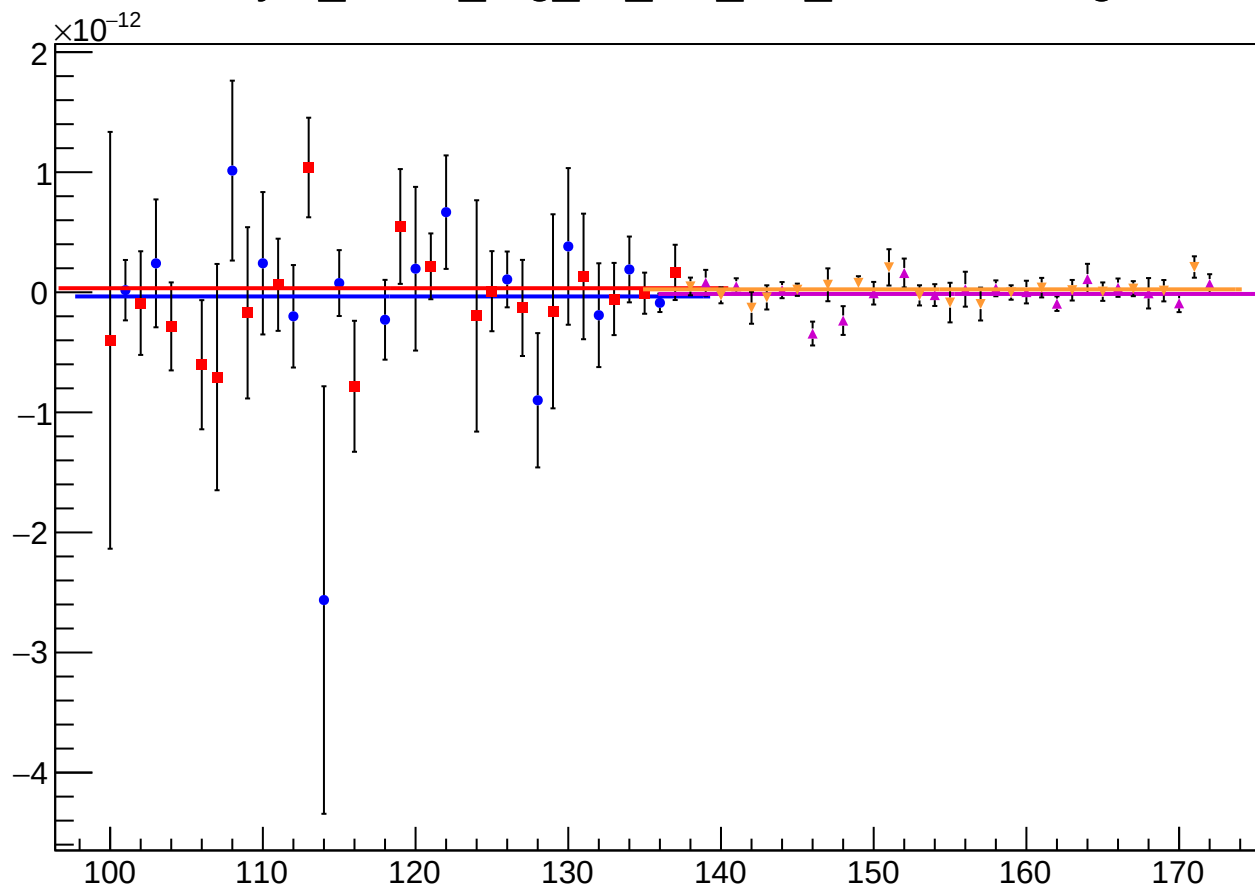
- sign 357.939 $\pm$ 528.981 χ^2 /NDF: 42.0/35

asym_sam2_rms vs Slug



Right In: 3480.559+/-0.962	χ^2/NDF : 1296641.6/15	+ sign 2301.255+/-0.368	χ^2/NDF : 3512791.9/33
Left Out: 2099.671+/-0.398	χ^2/NDF : 456163.4/17	All: 2318.316+/-0.262	χ^2/NDF : 7390777.4/69
Right Out: 3808.151+/-1.025	χ^2/NDF : 1147564.2/18	- sign 2335.989+/-0.374	χ^2/NDF : 3873598.0/35
Left In: 2109.854+/-0.402	χ^2/NDF : 346598.6/16		

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.9/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 11.2/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 13.5/18

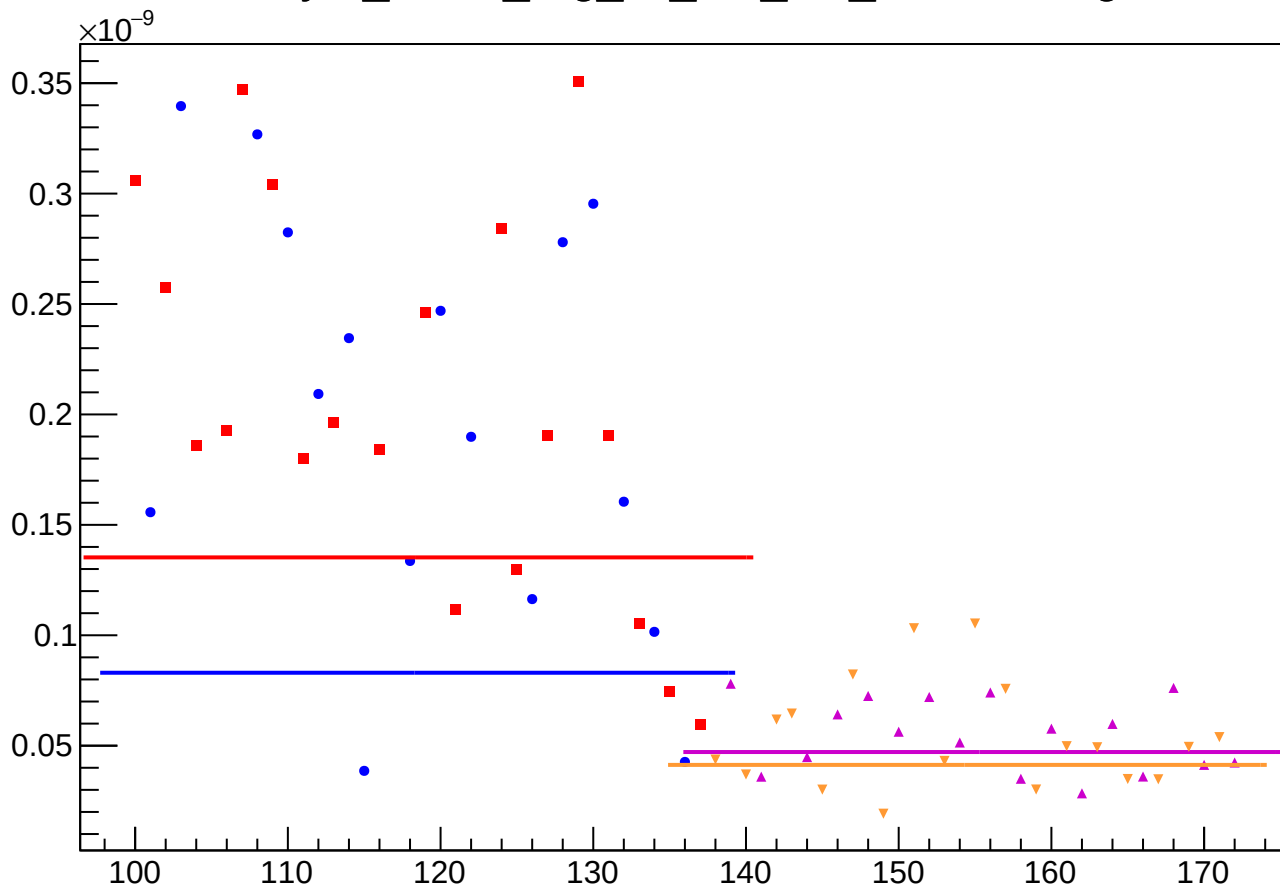
Left In: -0.000 ± 0.000 χ^2/NDF : 24.4/16

+ sign 0.000 ± 0.000 χ^2/NDF : 24.0/33

All: 0.000 ± 0.000 χ^2/NDF : 63.5/69

- sign -0.000 ± 0.000 χ^2/NDF : 38.3/35

asym_sam2_reg_vs_cor_diff_rms vs Slug



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

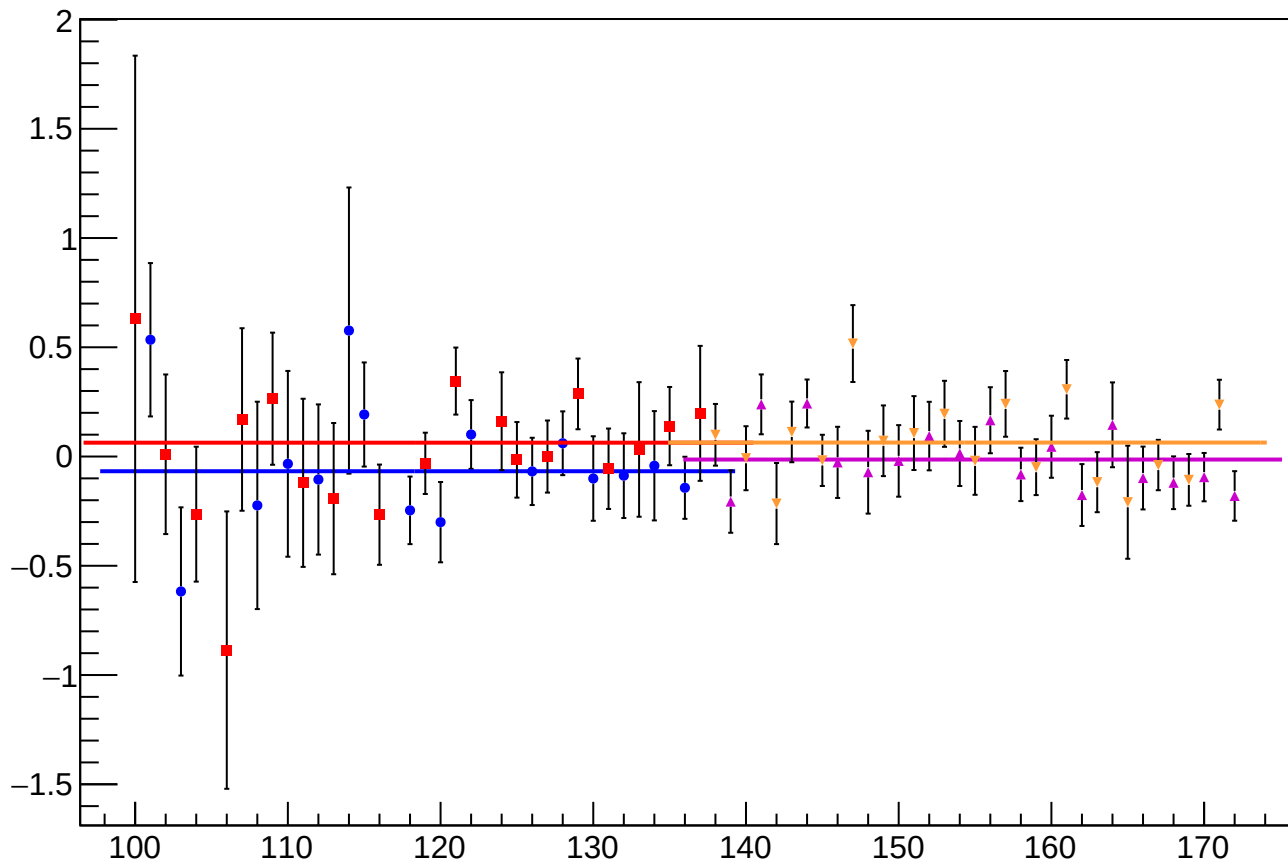
Left In: 0.000+/-0.000 χ^2/NDF : 1022364.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 5286749.2/33

All: 0.000+/-0.000 χ^2/NDF : 9887760.4/69

- sign 0.000+/-0.000 χ^2/NDF : 4459154.7/35

asym_sam2_dit_vs_cor_diff_mean vs Slug



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

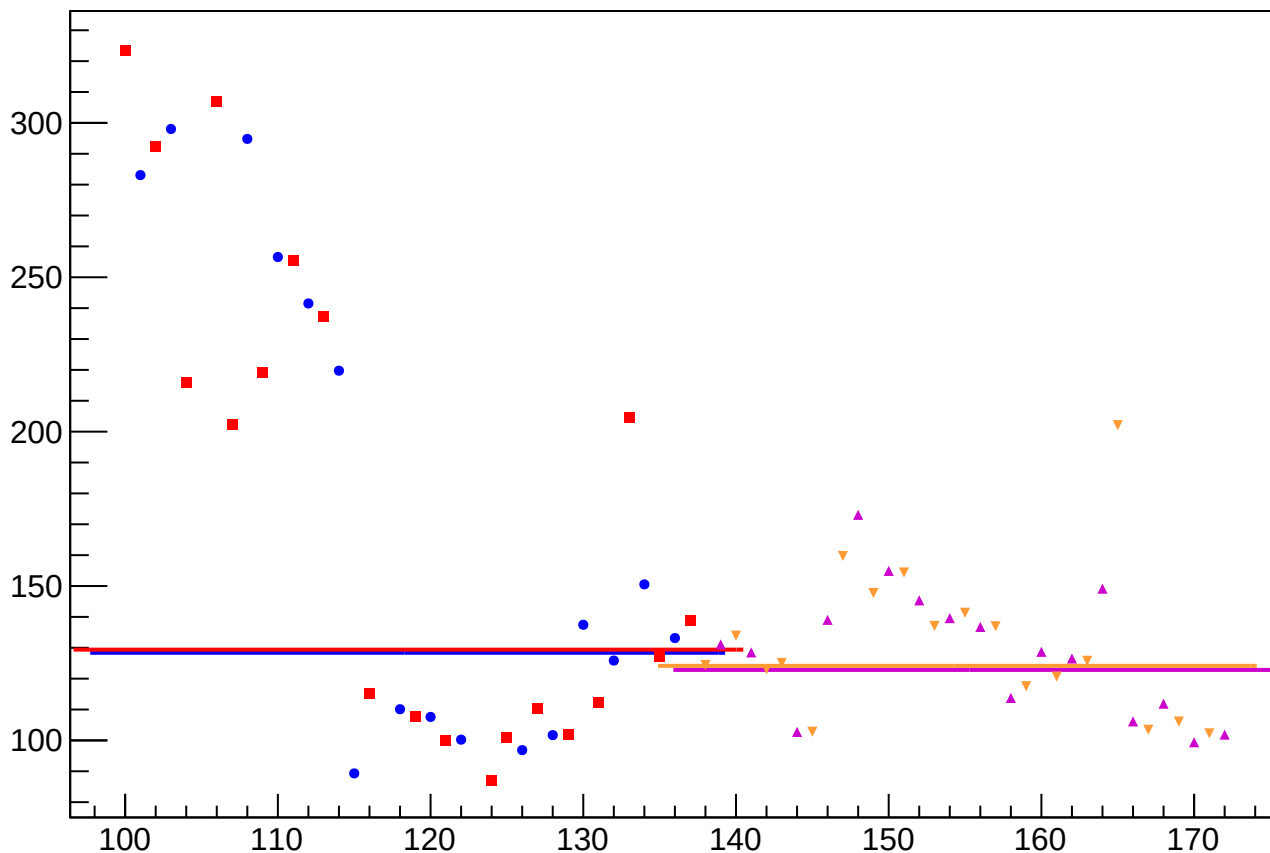
Left In: -0.014 ± 0.034 χ^2/NDF : 19.0/16

+ sign 0.025 ± 0.028 χ^2/NDF : 41.4/33

All: 0.017 ± 0.020 χ^2/NDF : 76.2/69

- sign 0.009 ± 0.028 χ^2/NDF : 34.6/35

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.380 $\pm$ 0.037 χ^2 /NDF: 1805078.6/15

Left Out: 124.152 $\pm$ 0.024 χ^2 /NDF: 690309.7/17

Right Out: 129.399 $\pm$ 0.037 χ^2 /NDF: 1888271.6/18

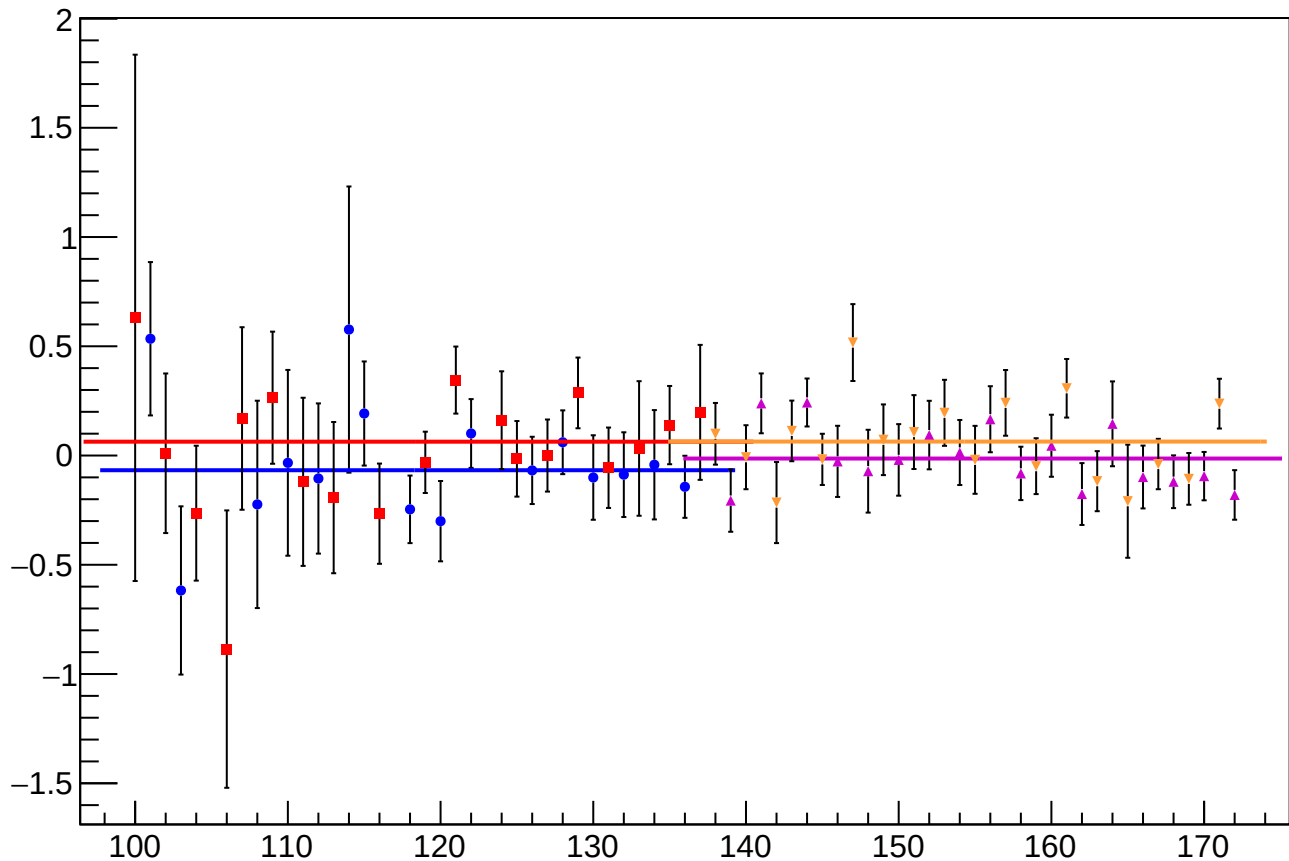
Left In: 122.829 $\pm$ 0.024 χ^2 /NDF: 651398.7/16

+ sign 125.397 $\pm$ 0.020 χ^2 /NDF: 2504799.8/33

All: 125.090 $\pm$ 0.014 χ^2 /NDF: 5067715.7/69

- sign 124.782 $\pm$ 0.020 χ^2 /NDF: 2562437.6/35

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.067 $\pm$ 0.052 χ^2/NDF : 12.5/15

Left Out: 0.064 $\pm$ 0.033 χ^2/NDF : 24.4/17

Right Out: 0.063 $\pm$ 0.052 χ^2/NDF : 14.0/18

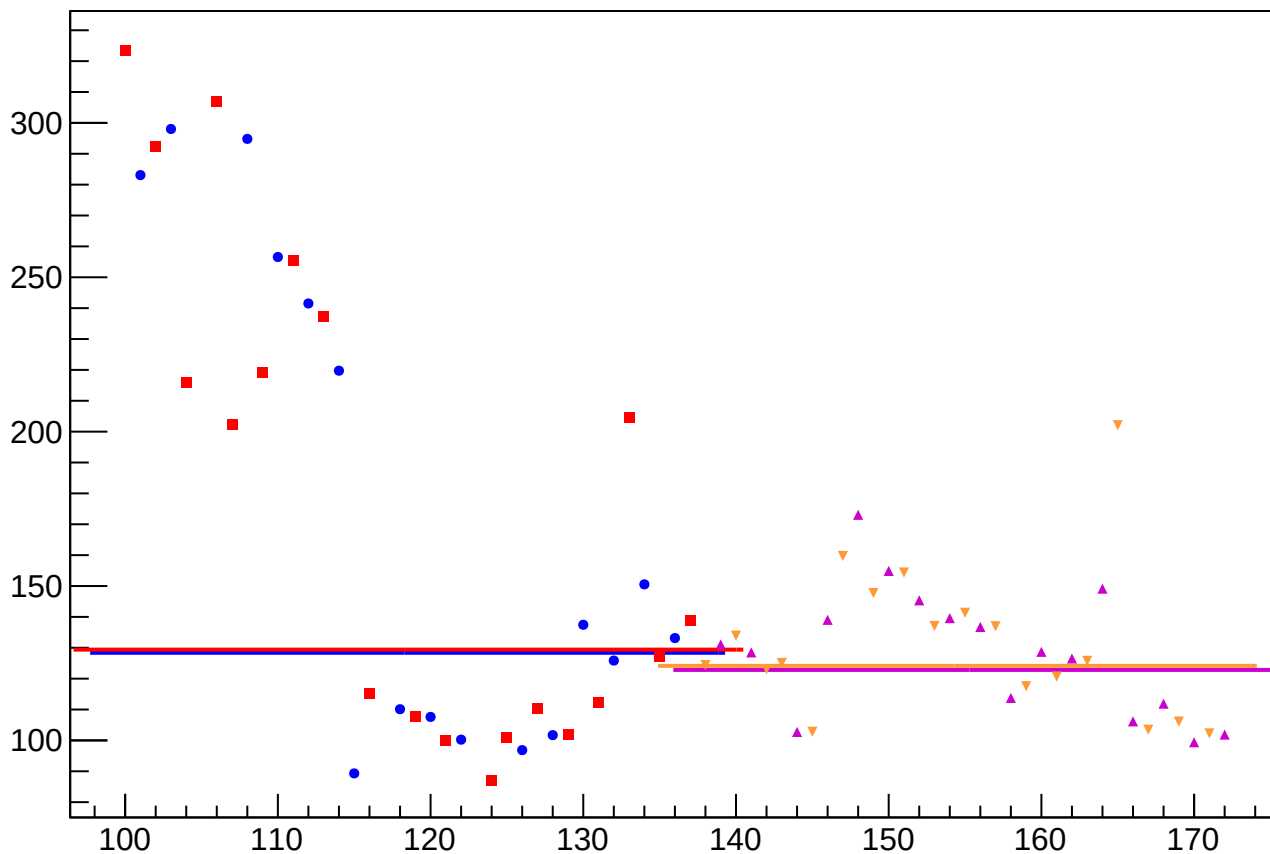
Left In: -0.014 $\pm$ 0.034 χ^2/NDF : 19.0/16

+ sign 0.025 $\pm$ 0.028 χ^2/NDF : 41.4/33

All: 0.017 $\pm$ 0.020 χ^2/NDF : 76.2/69

- sign 0.009 $\pm$ 0.028 χ^2/NDF : 34.6/35

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

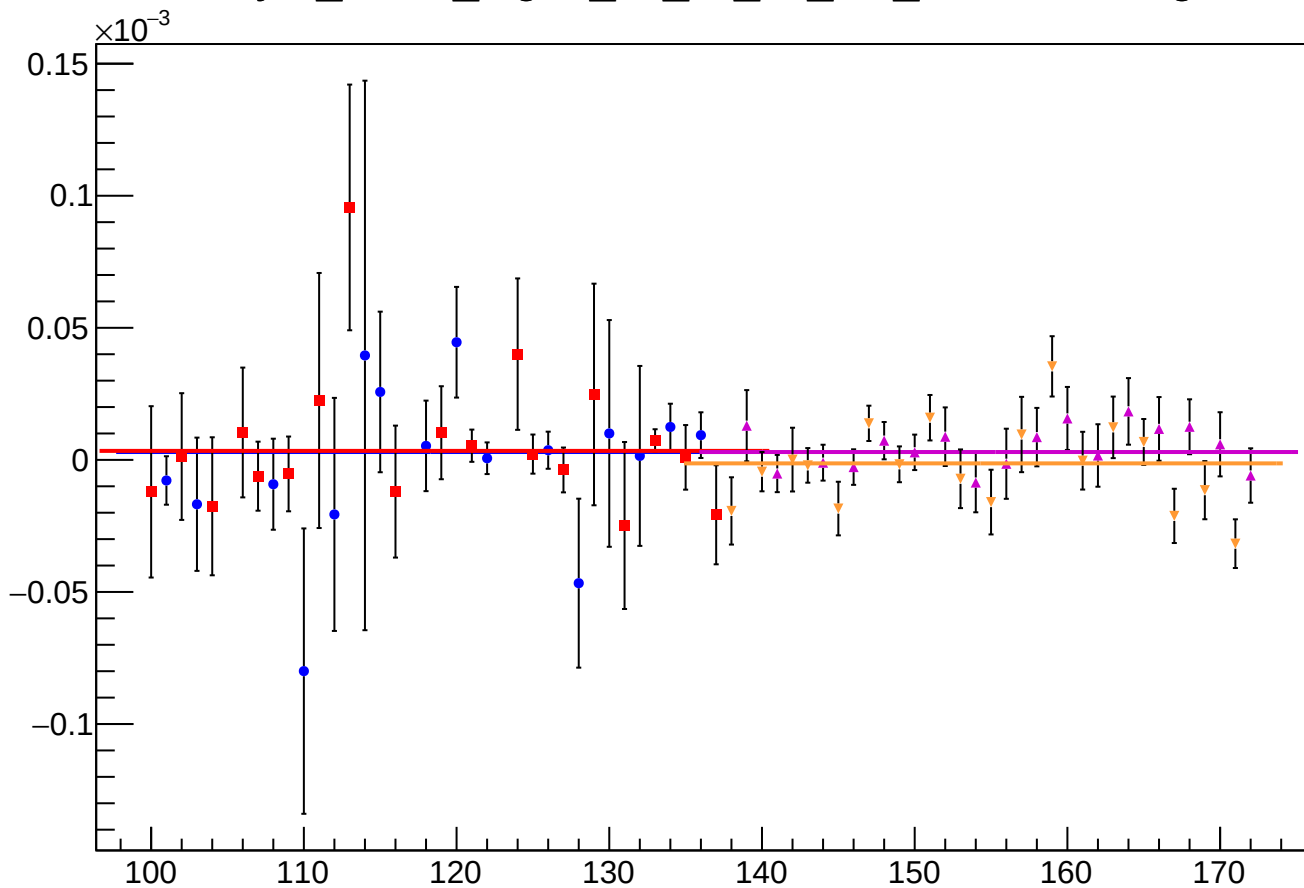
Left In: 122.829 ± 0.024 χ^2/NDF : 651398.7/16

+ sign 125.397 ± 0.020 χ^2/NDF : 2504799.8/33

All: 125.090 ± 0.014 χ^2/NDF : 5067715.7/69

- sign 124.782 ± 0.020 χ^2/NDF : 2562437.6/35

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

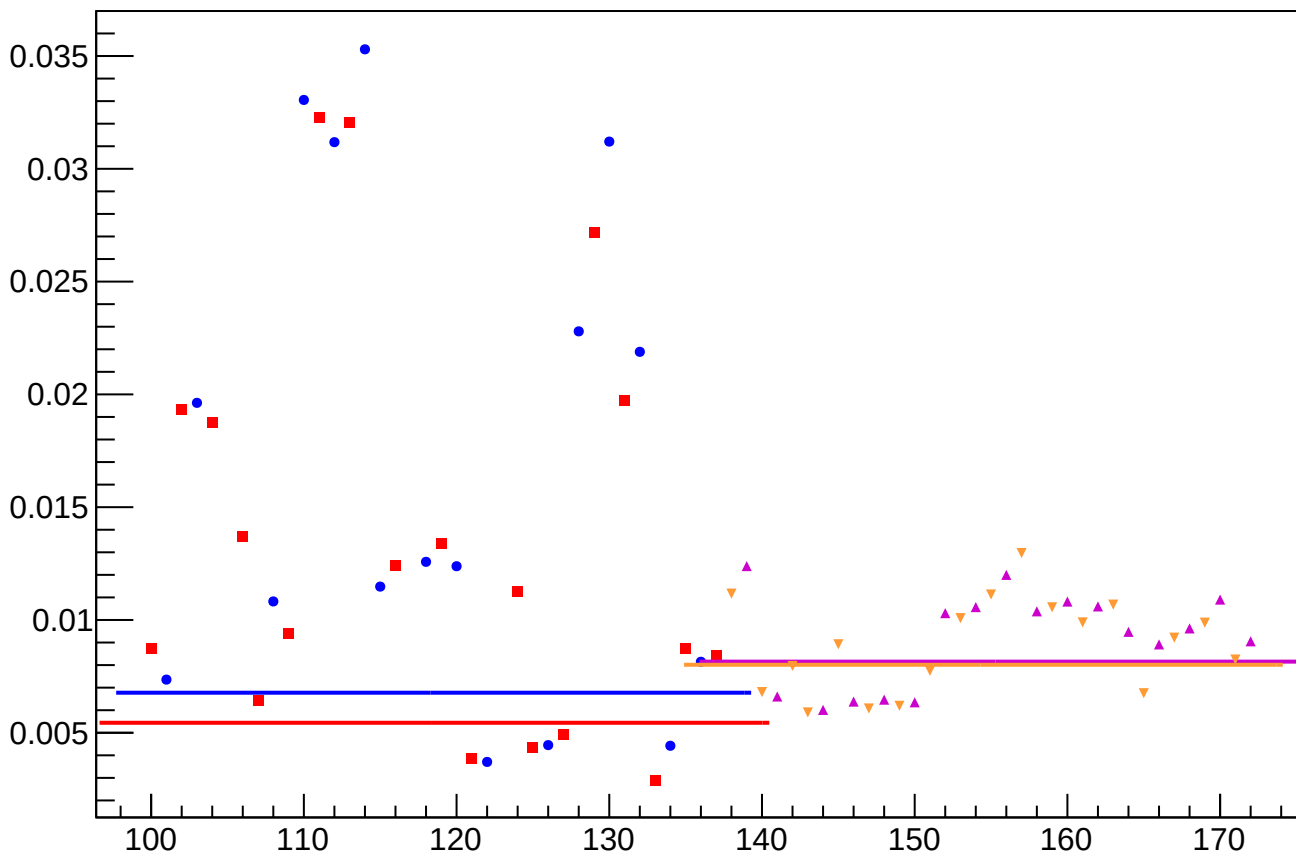
Left In: 0.000 ± 0.000 χ^2/NDF : 9.8/16

+ sign 0.000 ± 0.000 χ^2/NDF : 59.9/33

All: 0.000 ± 0.000 χ^2/NDF : 83.9/69

- sign 0.000 ± 0.000 χ^2/NDF : 22.4/35

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

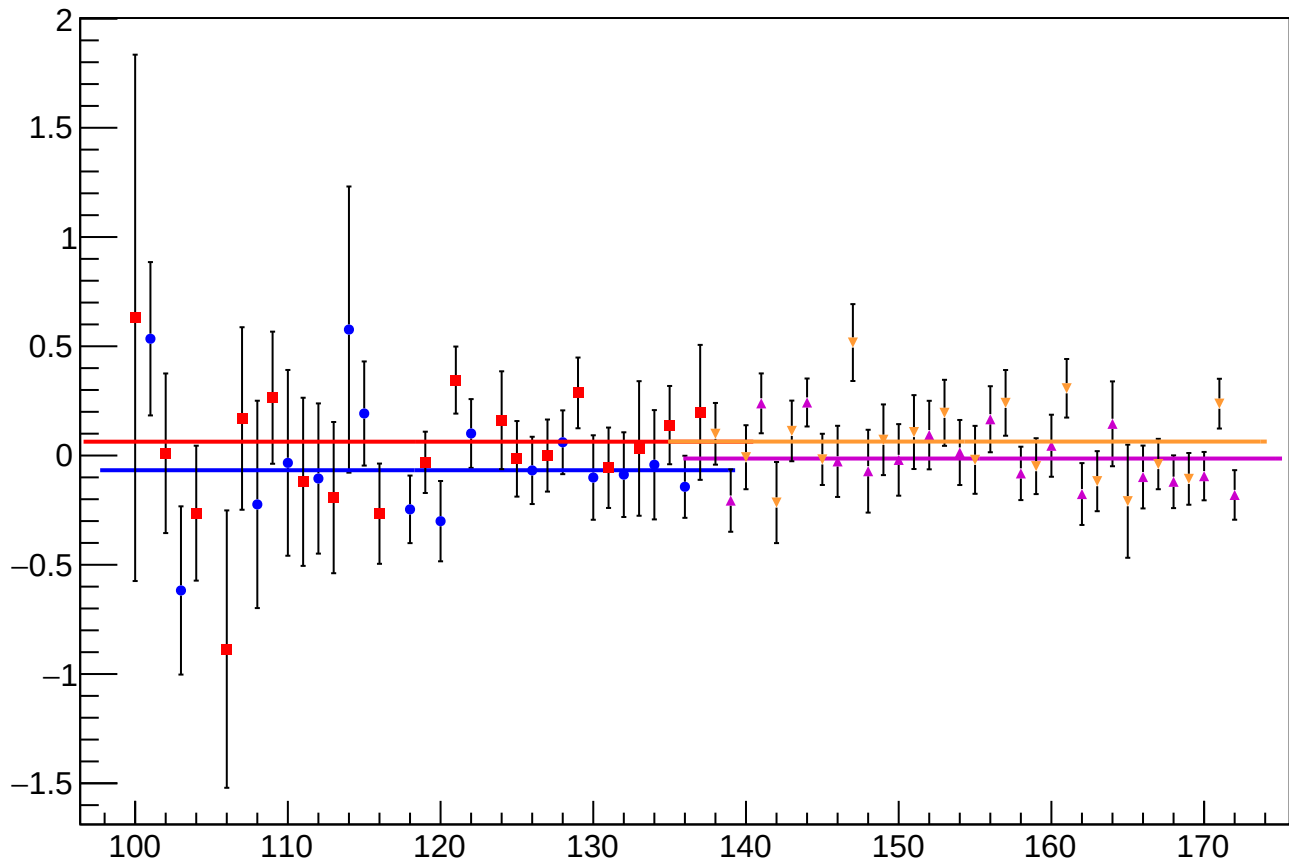
Left In: 0.008+/-0.000 χ^2/NDF : 1678684.7/16

+ sign 0.008+/-0.000 χ^2/NDF : 6526120.6/33

All: 0.007+/-0.000 χ^2/NDF : 15142646.0/69

- sign 0.007+/-0.000 χ^2/NDF : 8488256.9/35

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067 ± 0.052 χ^2/NDF : 12.5/15

Left Out: 0.064 ± 0.033 χ^2/NDF : 24.4/17

Right Out: 0.063 ± 0.052 χ^2/NDF : 14.0/18

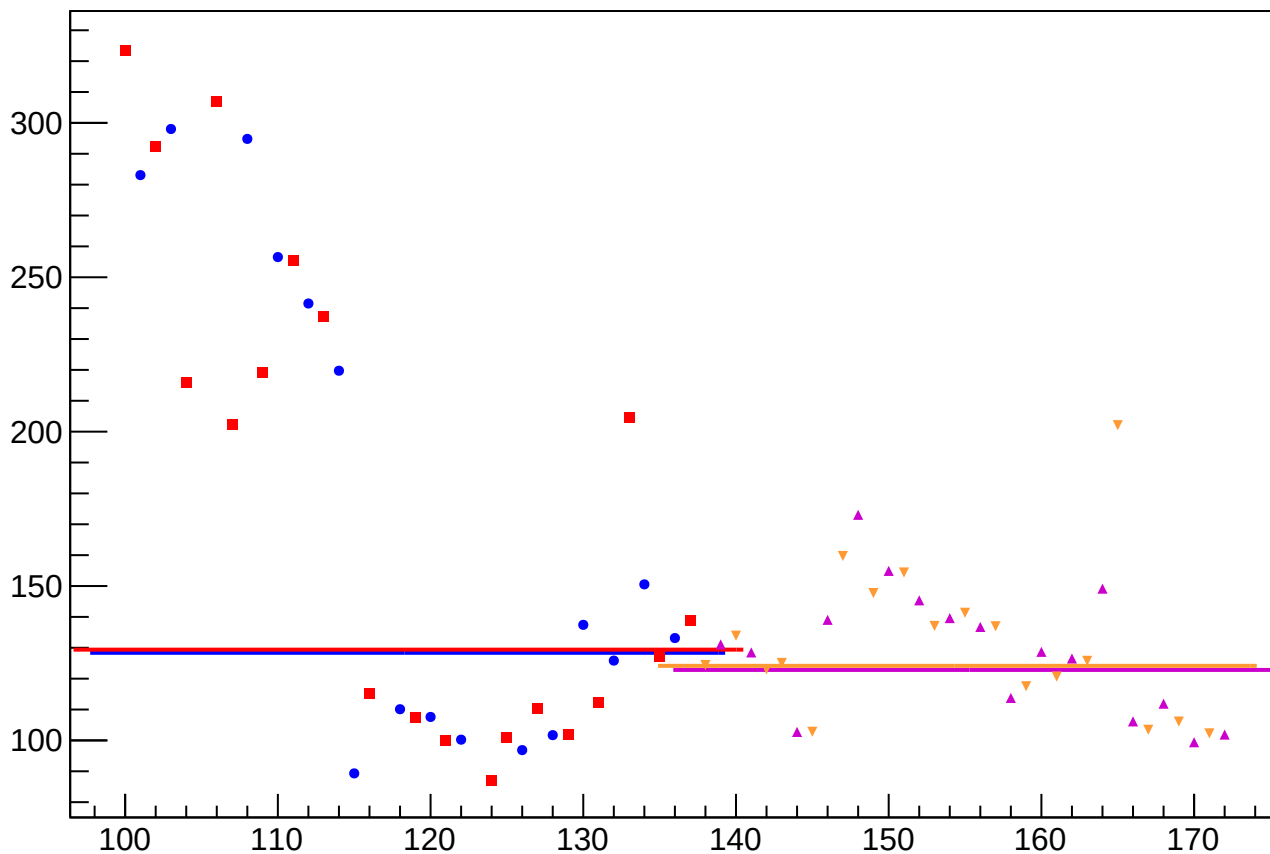
Left In: -0.014 ± 0.034 χ^2/NDF : 19.0/16

+ sign 0.025 ± 0.028 χ^2/NDF : 41.4/33

All: 0.017 ± 0.020 χ^2/NDF : 76.2/69

- sign 0.009 ± 0.028 χ^2/NDF : 34.6/35

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.377 ± 0.037 $\chi^2/\text{NDF}: 1805026.7/15$

Left Out: 124.151 ± 0.024 $\chi^2/\text{NDF}: 690364.6/17$

Right Out: 129.396 ± 0.036 $\chi^2/\text{NDF}: 1888272.8/18$

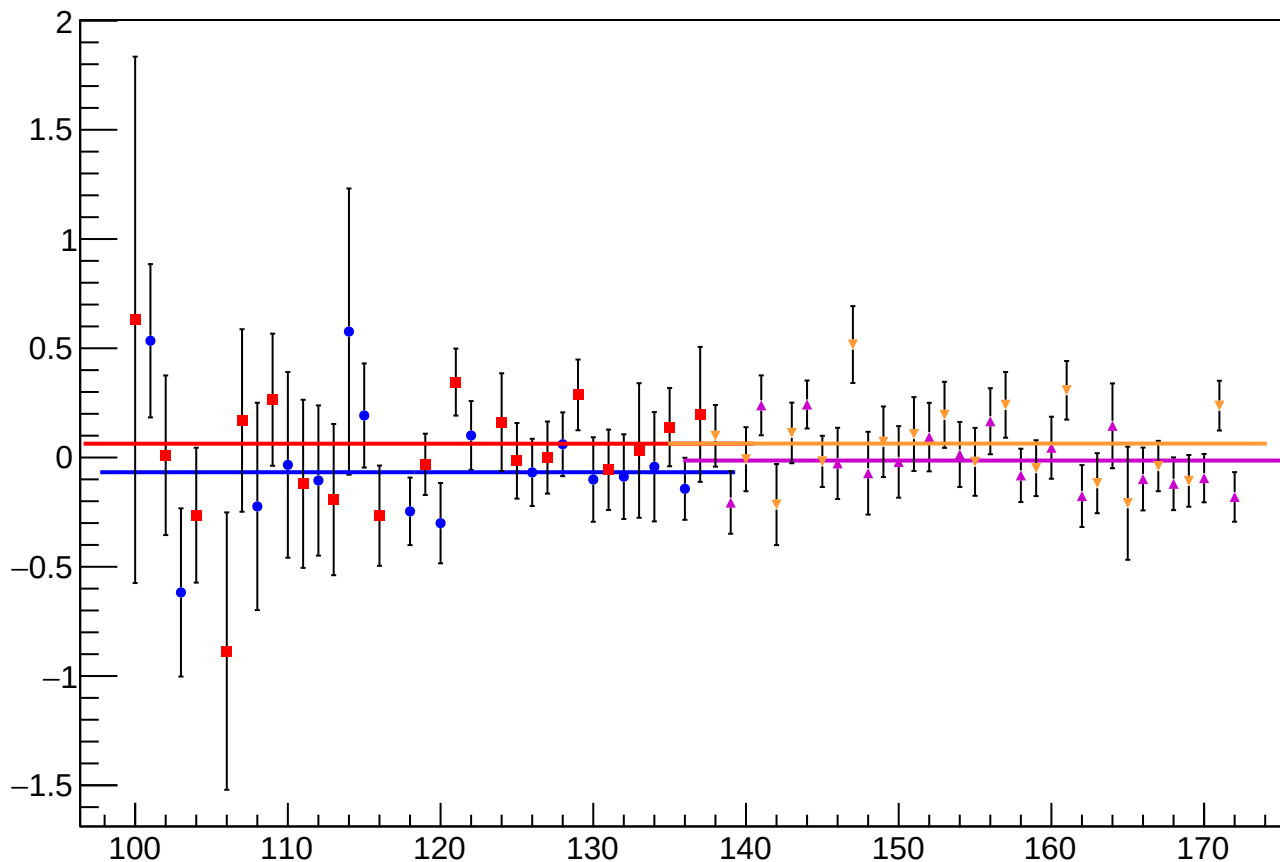
Left In: 122.829 ± 0.024 $\chi^2/\text{NDF}: 651430.6/16$

+ sign 125.396 ± 0.020 $\chi^2/\text{NDF}: 2504791.6/33$

All: 125.089 ± 0.014 $\chi^2/\text{NDF}: 5067722.4/69$

- sign 124.781 ± 0.020 $\chi^2/\text{NDF}: 2562452.5/35$

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

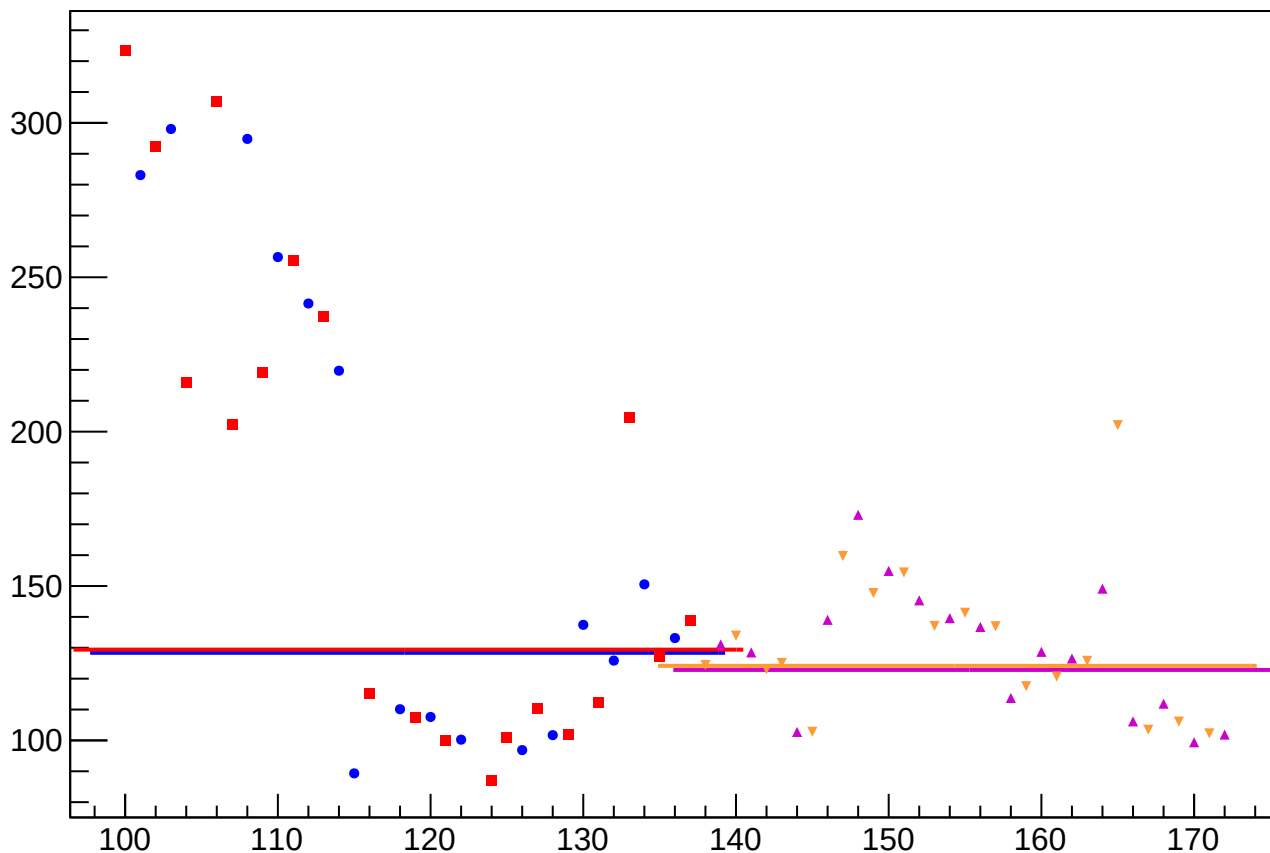
Left In: -0.014 ± 0.034 χ^2/NDF : 19.0/16

+ sign 0.025 ± 0.028 χ^2/NDF : 41.4/33

All: 0.017 ± 0.020 χ^2/NDF : 76.2/69

- sign 0.009 ± 0.028 χ^2/NDF : 34.6/35

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.377 $\pm$ 0.037 χ^2 /NDF: 1805026.7/15

Left Out: 124.151 $\pm$ 0.024 χ^2 /NDF: 690364.6/17

Right Out: 129.396 $\pm$ 0.036 χ^2 /NDF: 1888272.8/18

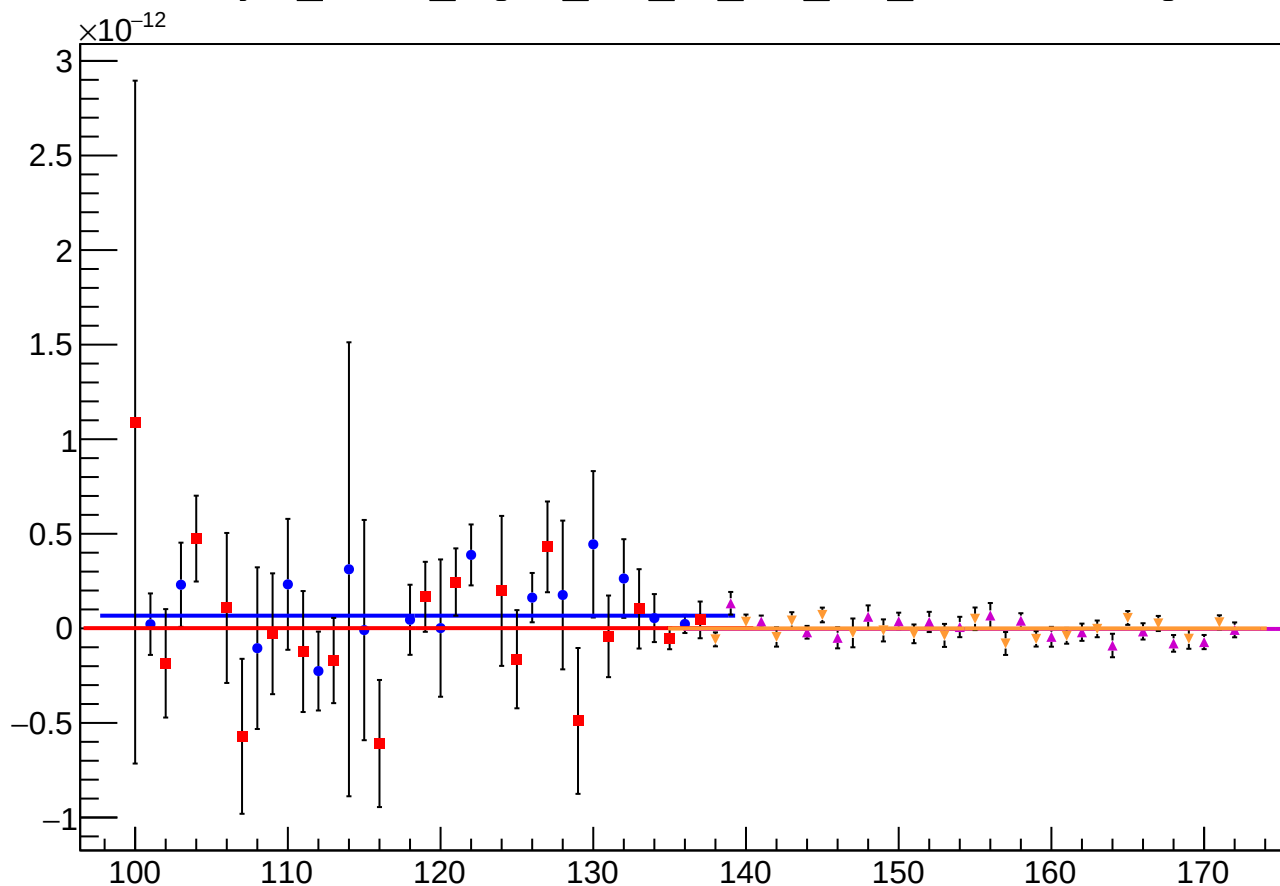
Left In: 122.829 $\pm$ 0.024 χ^2 /NDF: 651430.6/16

+ sign 125.396 $\pm$ 0.020 χ^2 /NDF: 2504791.6/33

All: 125.089 $\pm$ 0.014 χ^2 /NDF: 5067722.4/69

- sign 124.781 $\pm$ 0.020 χ^2 /NDF: 2562452.5/35

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:18.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/18

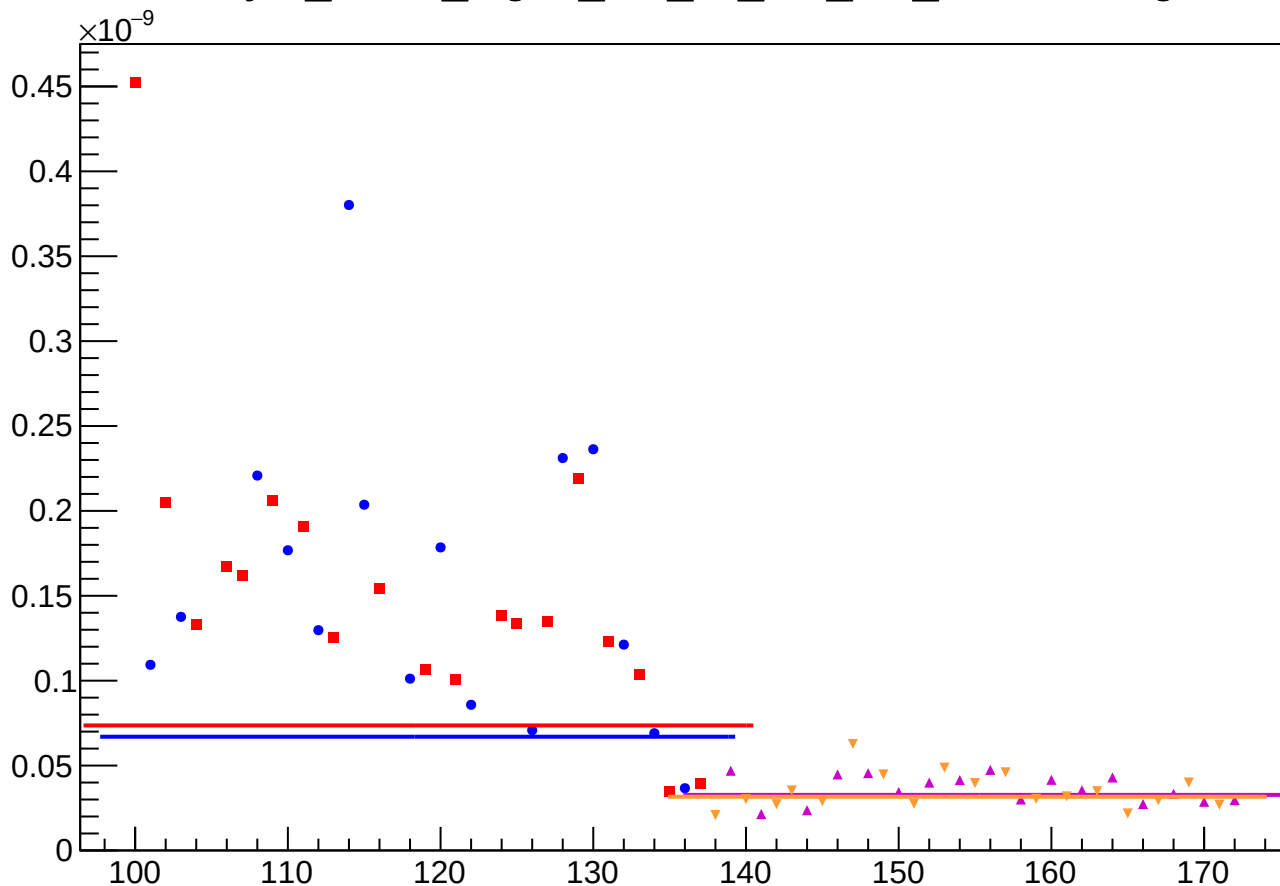
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:21.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 42.5/35

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

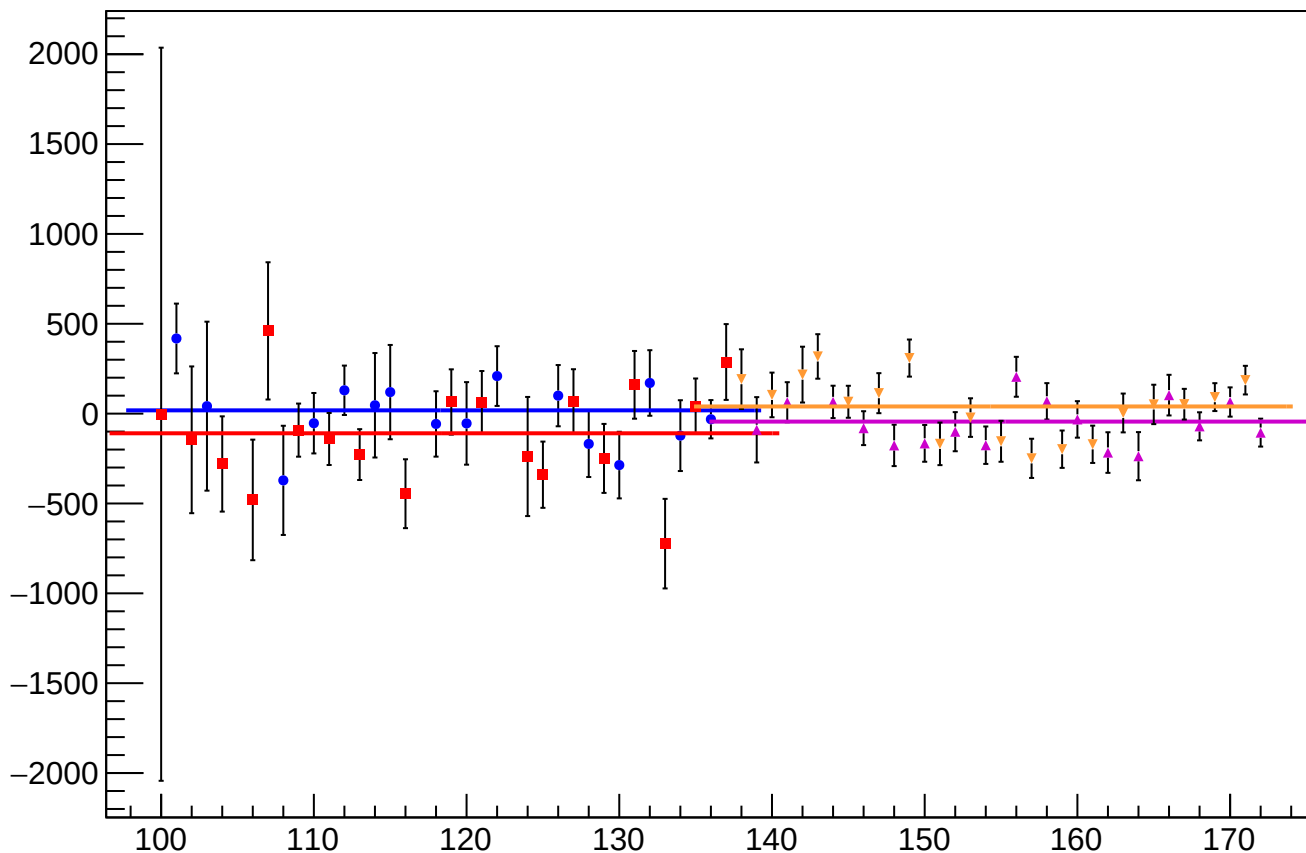
Left In: 0.000+/-0.000 χ^2/NDF : 1084642.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 6158568.2/33

All: 0.000+/-0.000 χ^2/NDF : 12912165.0/69

- sign 0.000+/-0.000 χ^2/NDF : 6740039.4/35

reg_asym_sam3_mean vs Slug



Right In: 18.204 $\pm$ 45.704 χ^2 /NDF: 13.9/15

Left Out: 39.855 $\pm$ 24.671 χ^2 /NDF: 41.4/17

Right Out: -109.432 $\pm$ 45.825 χ^2 /NDF: 25.5/18

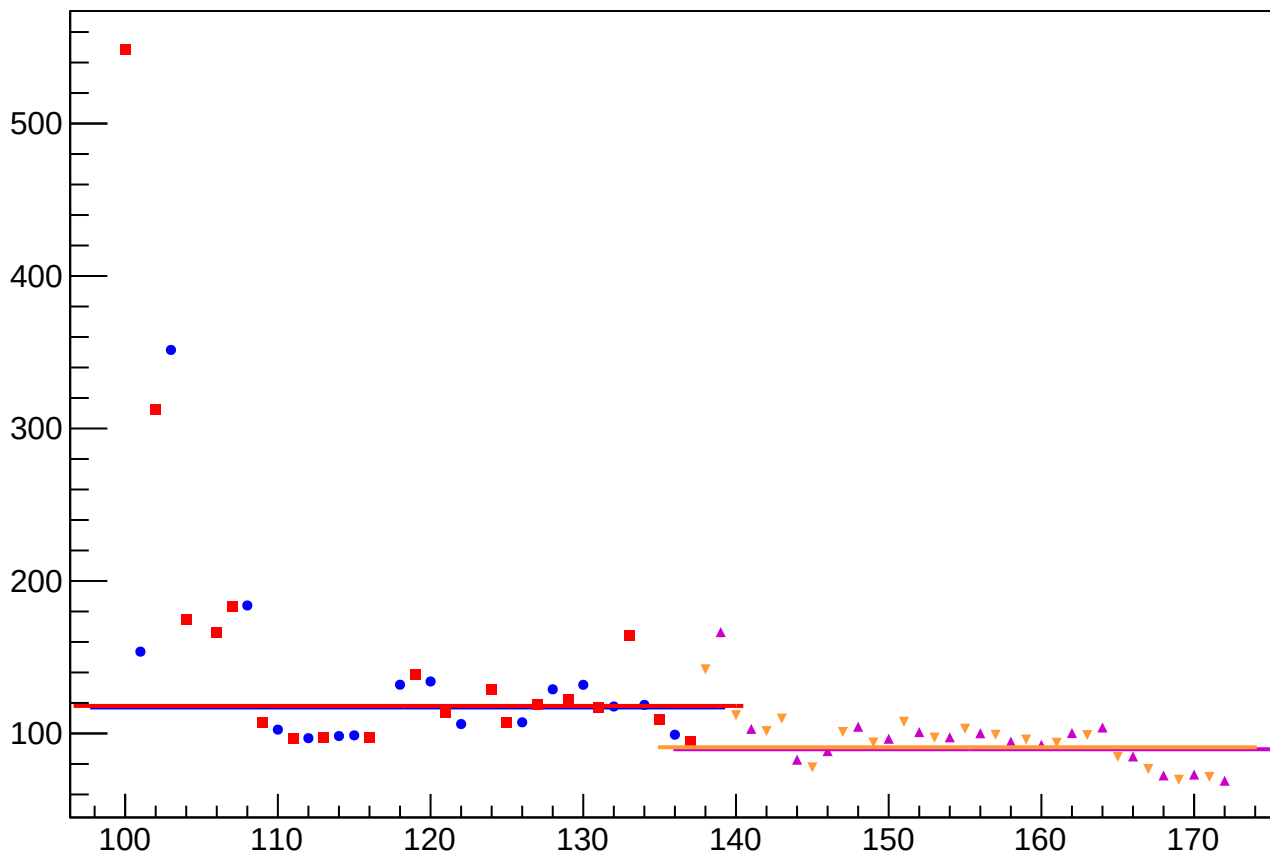
Left In: -44.355 $\pm$ 24.526 χ^2 /NDF: 22.1/16

+ sign 34.970 $\pm$ 21.710 χ^2 /NDF: 55.5/33

All: -12.125 $\pm$ 15.321 χ^2 /NDF: 114.0/69

- sign -58.846 $\pm$ 21.624 χ^2 /NDF: 49.2/35

reg_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858400.8/15

Left Out: 90.945 $\pm$ 0.017 χ^2 /NDF: 794746.5/17

Right Out: 118.057 $\pm$ 0.032 χ^2 /NDF: 990748.0/18

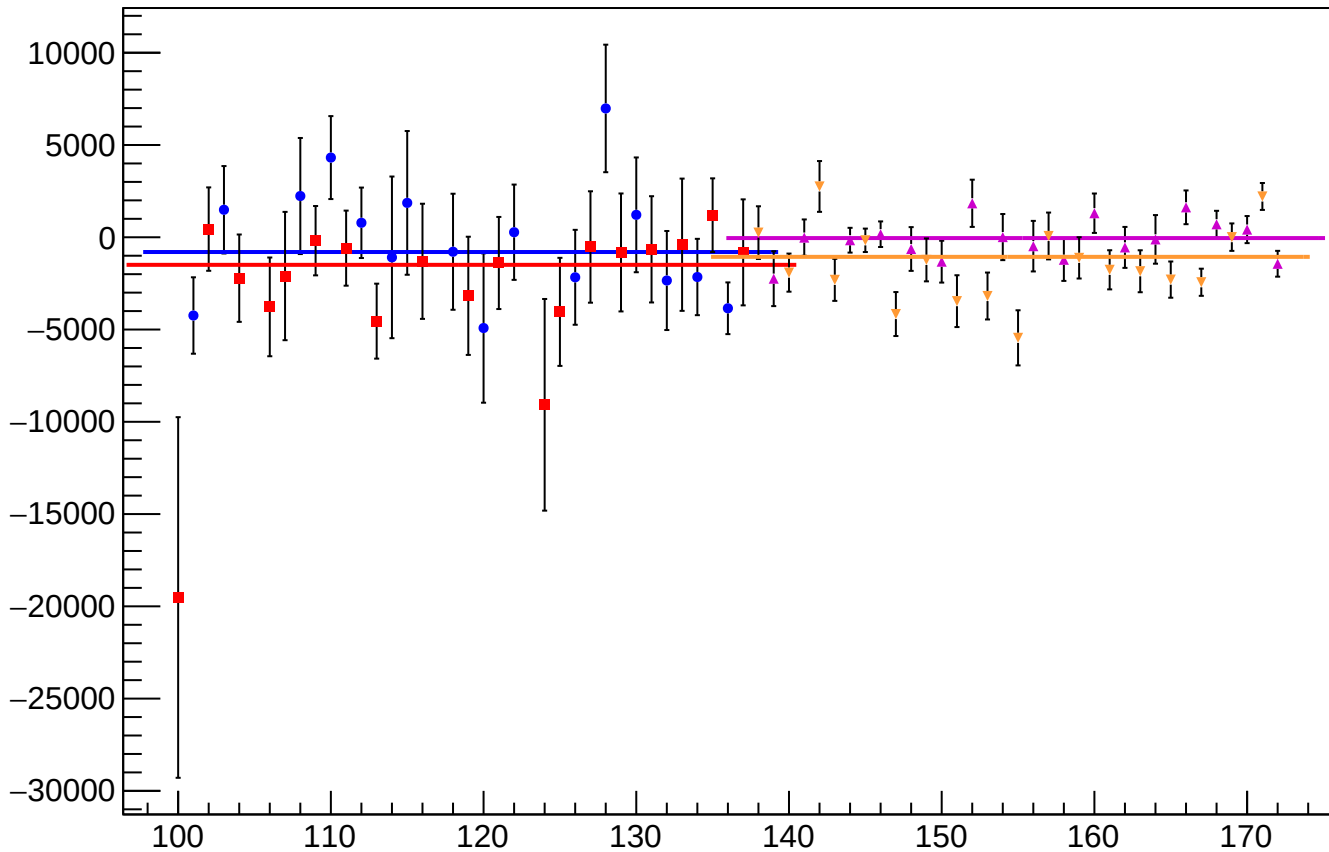
Left In: 89.657 $\pm$ 0.017 χ^2 /NDF: 862015.4/16

+ sign 96.838 $\pm$ 0.015 χ^2 /NDF: 2158909.3/33

All: 96.408 $\pm$ 0.011 χ^2 /NDF: 4610373.8/69

- sign 95.981 $\pm$ 0.015 χ^2 /NDF: 2449902.3/35

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

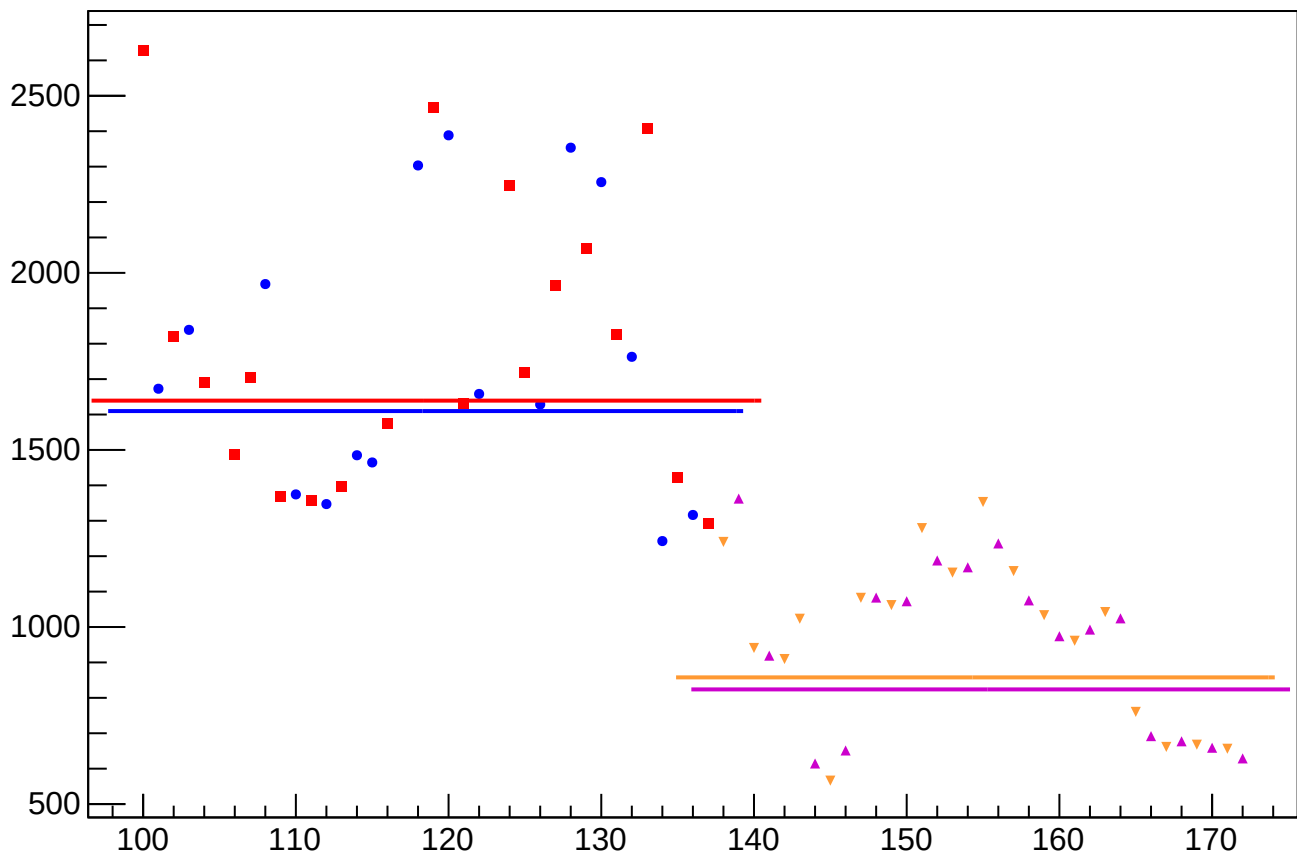
Left In: -43.781 ± 229.065 χ^2/NDF : 17.7/16

+ sign -1027.613 ± 220.788 χ^2/NDF : 86.1/33

All: -613.012 ± 153.878 χ^2/NDF : 128.5/69

- sign -221.410 ± 214.577 χ^2/NDF : 35.5/35

asym_sam3_reg_correction_rms vs Slug



Right In: 1609.782 $\pm$ 0.436 χ^2 /NDF: 619129.2/15

Left Out: 857.777 $\pm$ 0.167 χ^2 /NDF:1942143.7/17

Right Out: 1639.241 $\pm$ 0.434 χ^2 /NDF: 520182.2/18

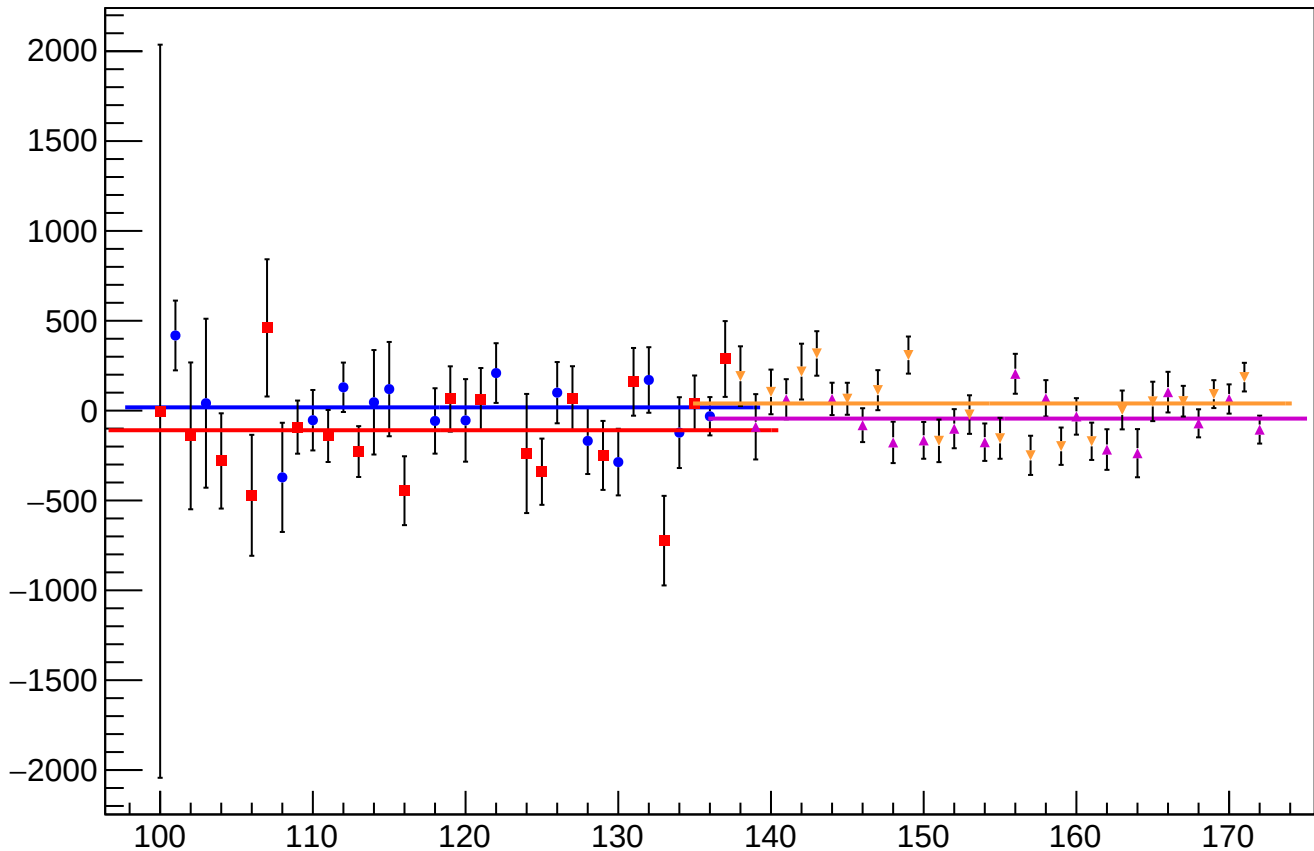
Left In: 823.815 $\pm$ 0.162 χ^2 /NDF:1893131.8/16

+ sign 954.382 $\pm$ 0.156 χ^2 /NDF: 5158932.5/33

All: 938.603 $\pm$ 0.109 χ^2 /NDF: 10696607.9/69

- sign 923.699 $\pm$ 0.152 χ^2 /NDF: 5517811.6/35

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

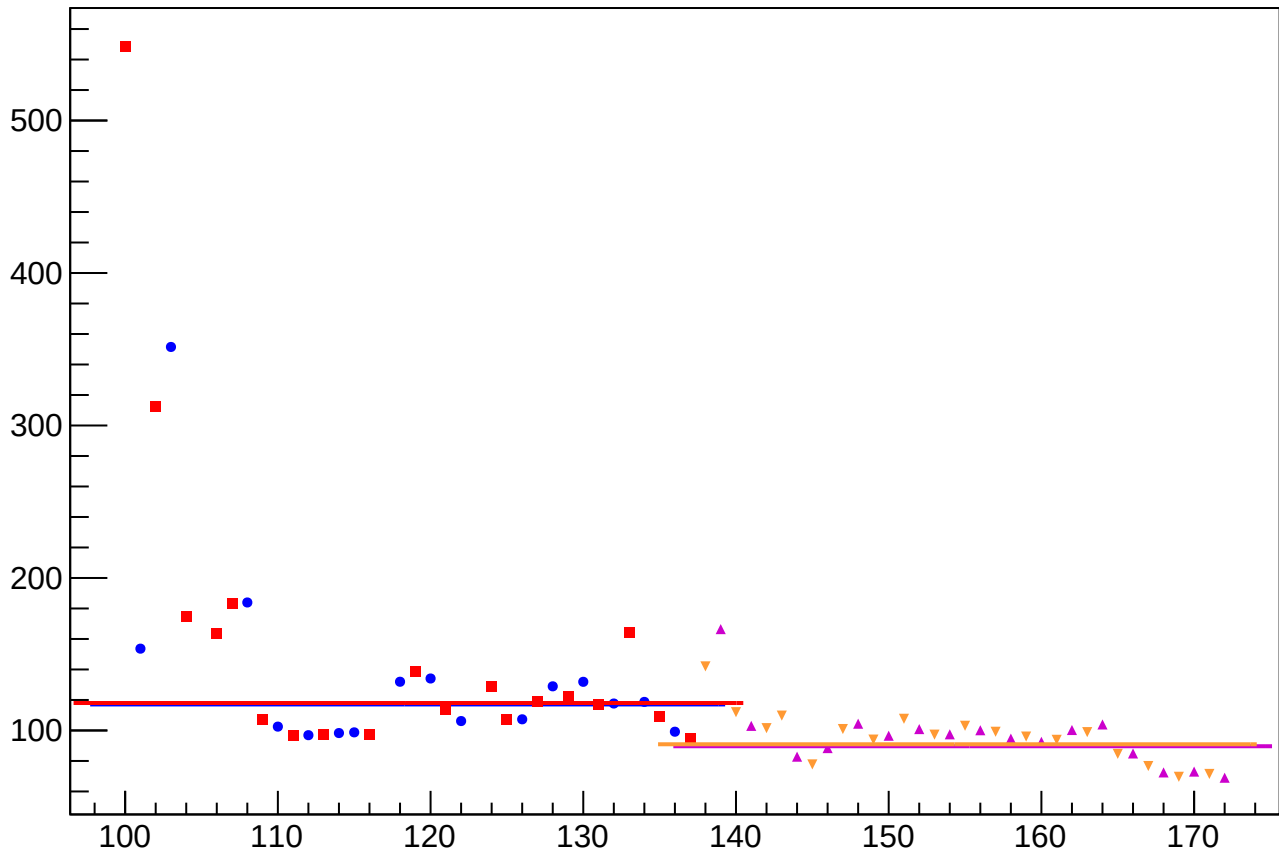
Left In: -44.355 ± 24.526 χ^2/NDF : 22.1/16

+ sign 34.970 ± 21.710 χ^2/NDF : 55.5/33

All: -12.092 ± 15.321 χ^2/NDF : 113.9/69

- sign -58.781 ± 21.624 χ^2/NDF : 49.1/35

cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 90.945 $\pm$ 0.017 χ^2 /NDF: 794746.4/17

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

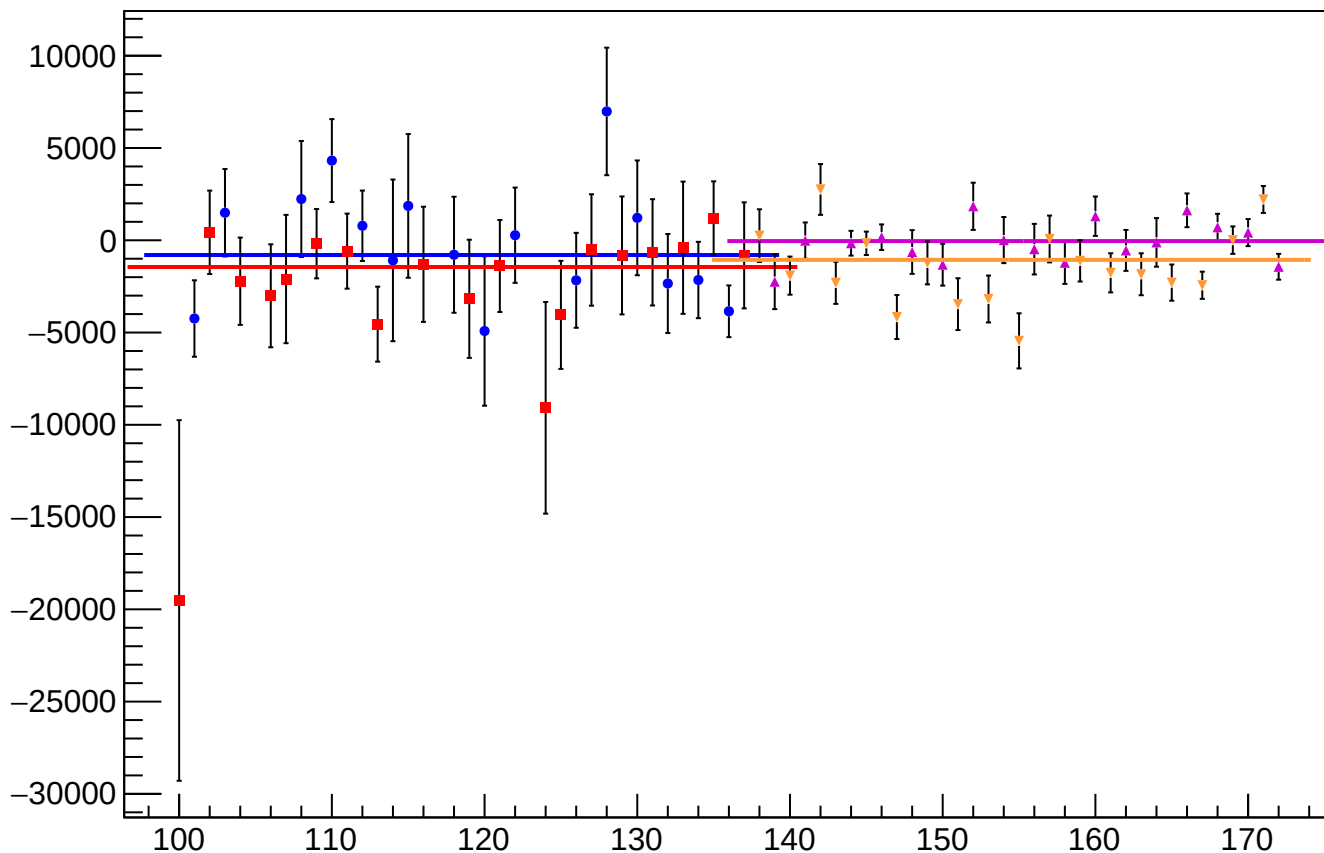
Left In: 89.657 $\pm$ 0.017 χ^2 /NDF: 862015.4/16

+ sign 96.838 $\pm$ 0.015 χ^2 /NDF: 2158910.8/33

All: 96.402 $\pm$ 0.011 χ^2 /NDF: 4603989.5/69

- sign 95.969 $\pm$ 0.015 χ^2 /NDF: 2443471.7/35

asym_sam3_cor_correction_mean vs Slug



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

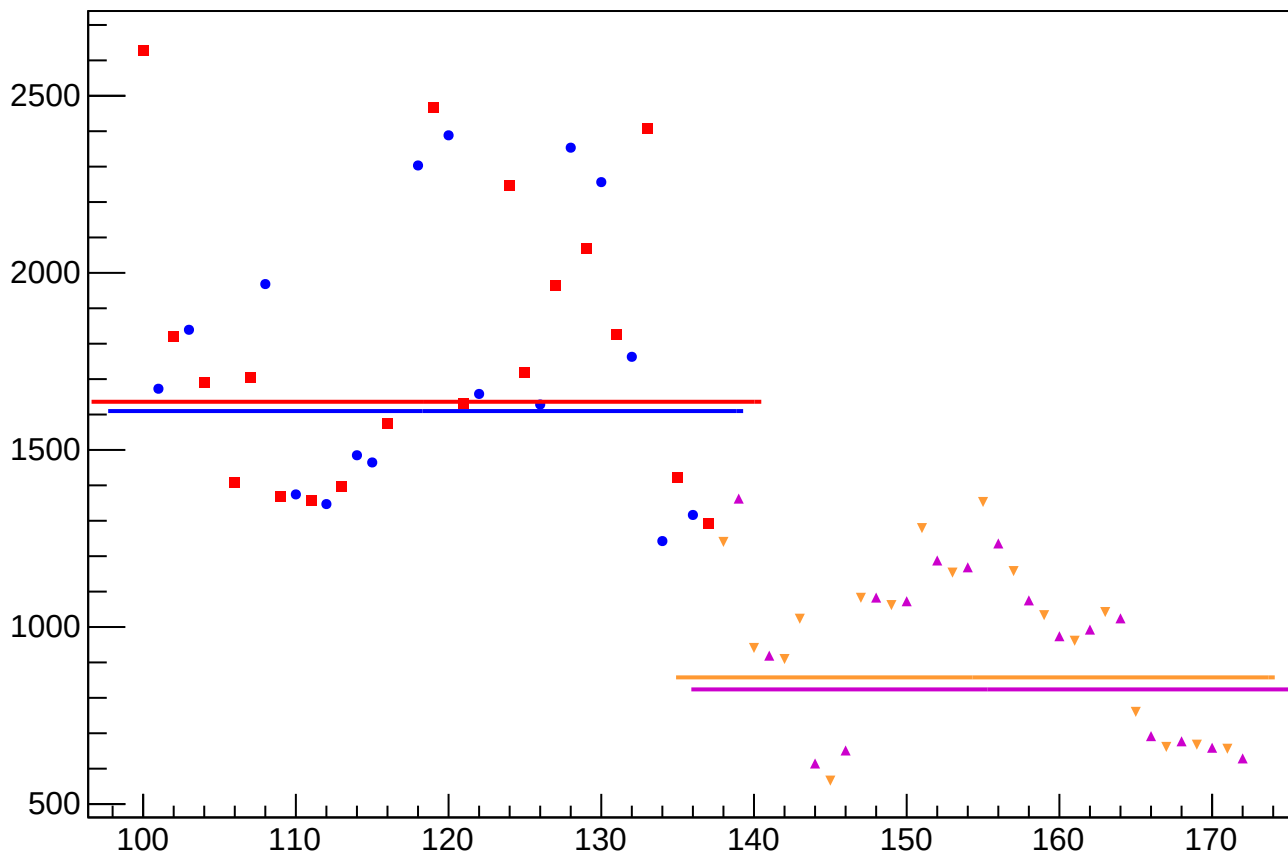
Left In: -43.784 ± 229.065 χ^2/NDF : 17.7/16

+ sign -1027.603 ± 220.788 χ^2/NDF : 86.1/33

All: -609.914 ± 153.899 χ^2/NDF : 127.8/69

- sign -215.182 ± 214.635 χ^2/NDF : 34.7/35

asym_sam3_cor_correction_rms vs Slug



Right In: 1609.791 $\pm$ 0.436 χ^2 /NDF: 619158.3/15

Left Out: 857.776 $\pm$ 0.167 χ^2 /NDF:1942149.3/17

Right Out: 1636.046 $\pm$ 0.434 χ^2 /NDF: 527809.9/18

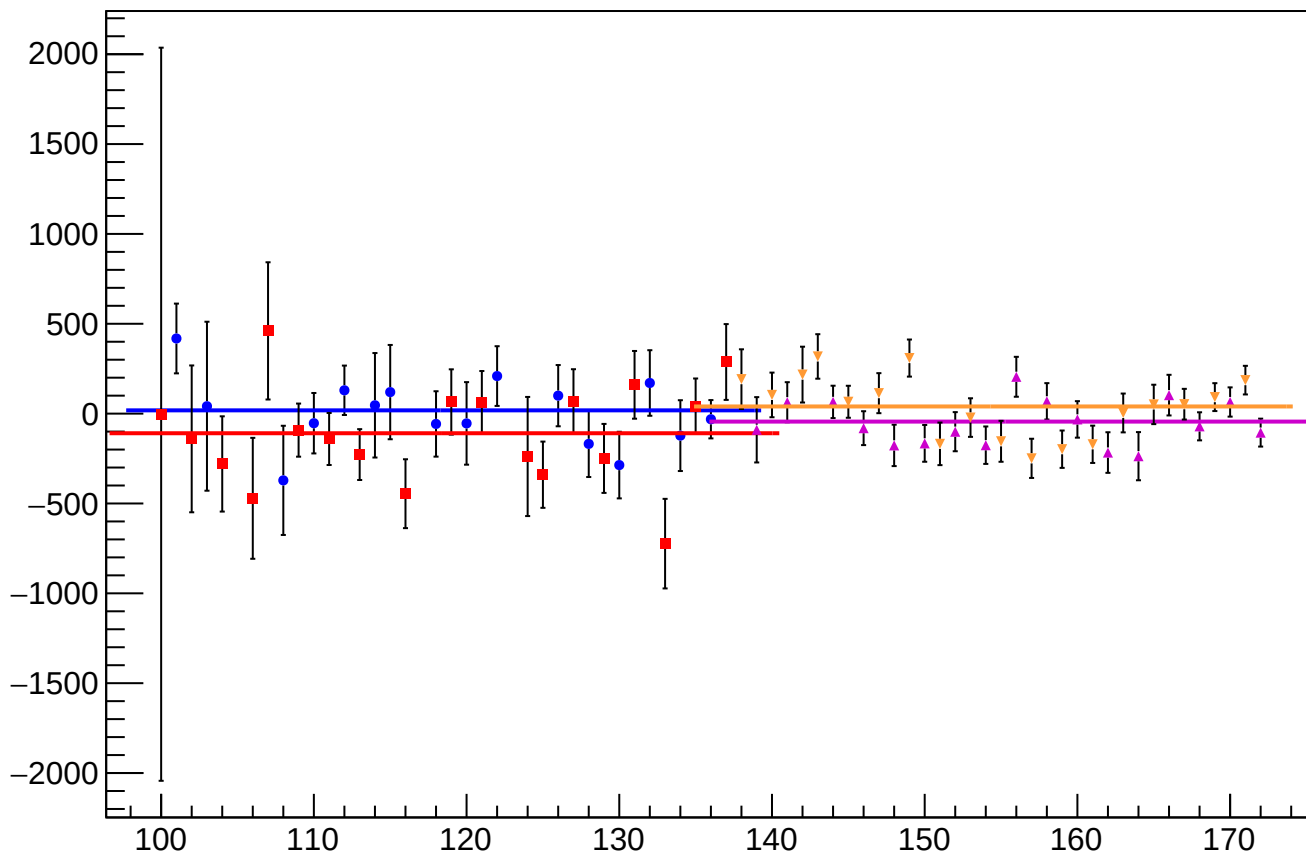
Left In: 823.815 $\pm$ 0.162 χ^2 /NDF:1893131.0/16

+ sign 954.381 $\pm$ 0.156 χ^2 /NDF: 5159003.7/33

All: 938.209 $\pm$ 0.109 χ^2 /NDF: 10669197.4/69

- sign 922.925 $\pm$ 0.152 χ^2 /NDF: 5489321.9/35

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

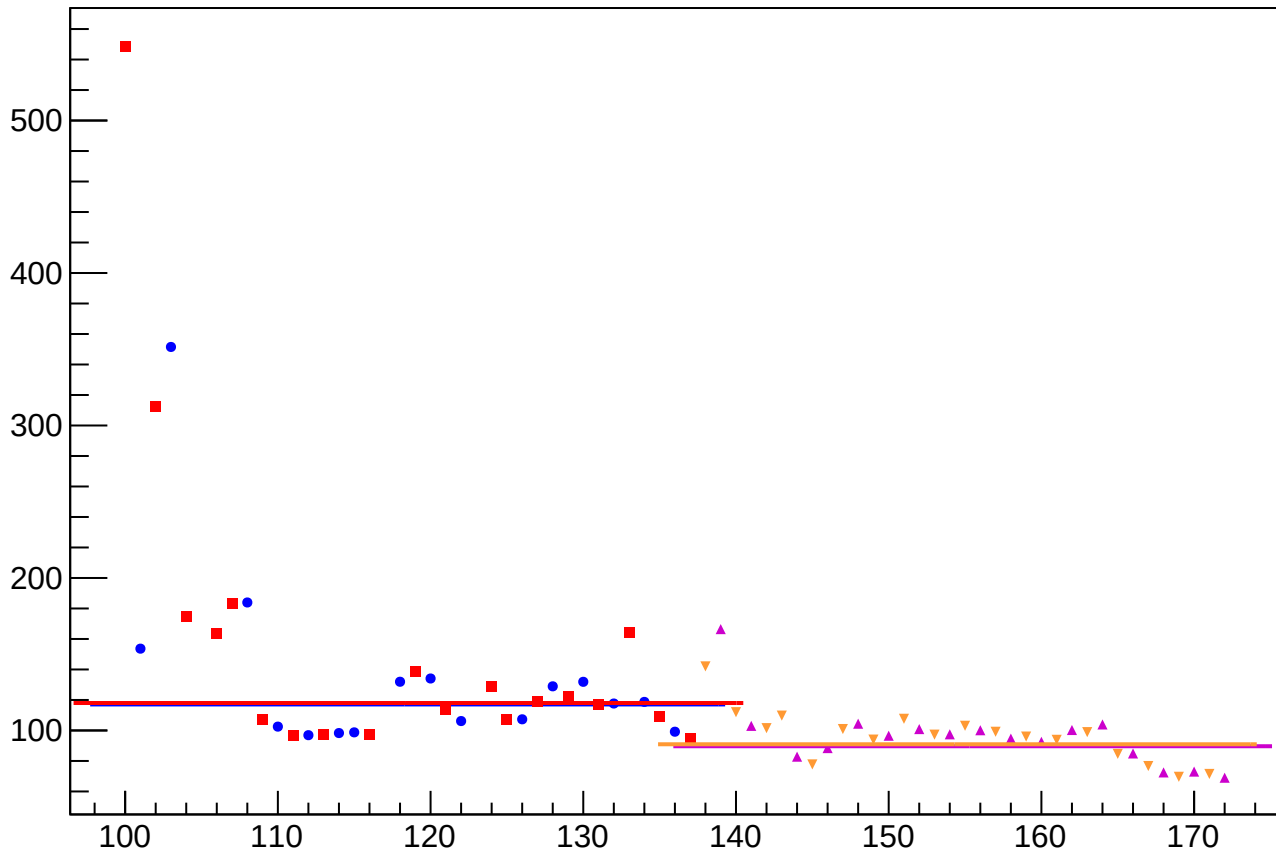
Left In: -44.355 ± 24.526 χ^2/NDF : 22.1/16

+ sign 34.970 ± 21.710 χ^2/NDF : 55.5/33

All: -12.092 ± 15.321 χ^2/NDF : 113.9/69

- sign -58.781 ± 21.624 χ^2/NDF : 49.1/35

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.063 $\pm$ 0.032 χ^2 /NDF: 858402.8/15

Left Out: 90.945 $\pm$ 0.017 χ^2 /NDF: 794746.4/17

Right Out: 118.006 $\pm$ 0.032 χ^2 /NDF: 986553.8/18

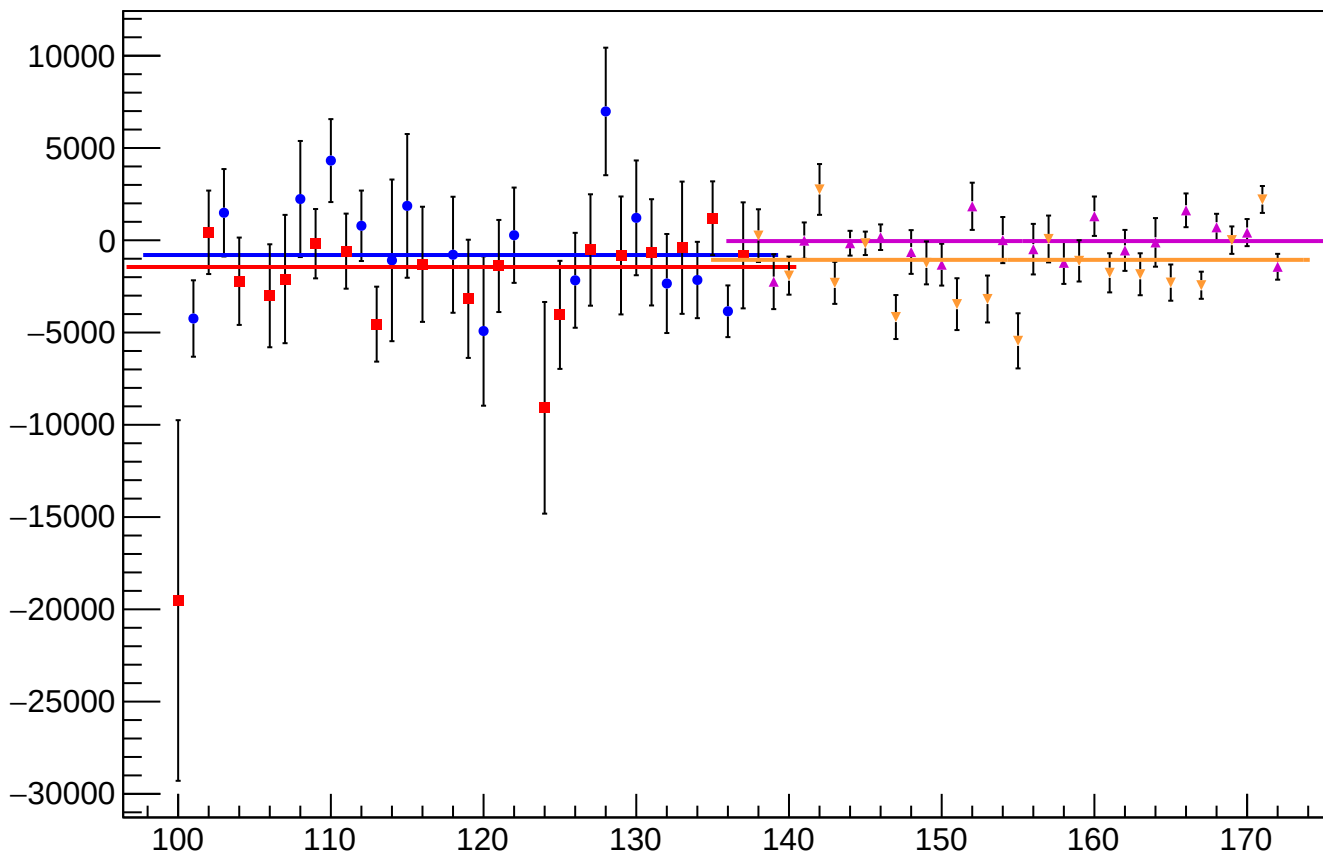
Left In: 89.657 $\pm$ 0.017 χ^2 /NDF: 862015.4/16

+ sign 96.838 $\pm$ 0.015 χ^2 /NDF: 2158910.8/33

All: 96.402 $\pm$ 0.011 χ^2 /NDF: 4603989.5/69

- sign 95.969 $\pm$ 0.015 χ^2 /NDF: 2443471.7/35

asym_sam3_eigen_cor_correction_mean vs Slug



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

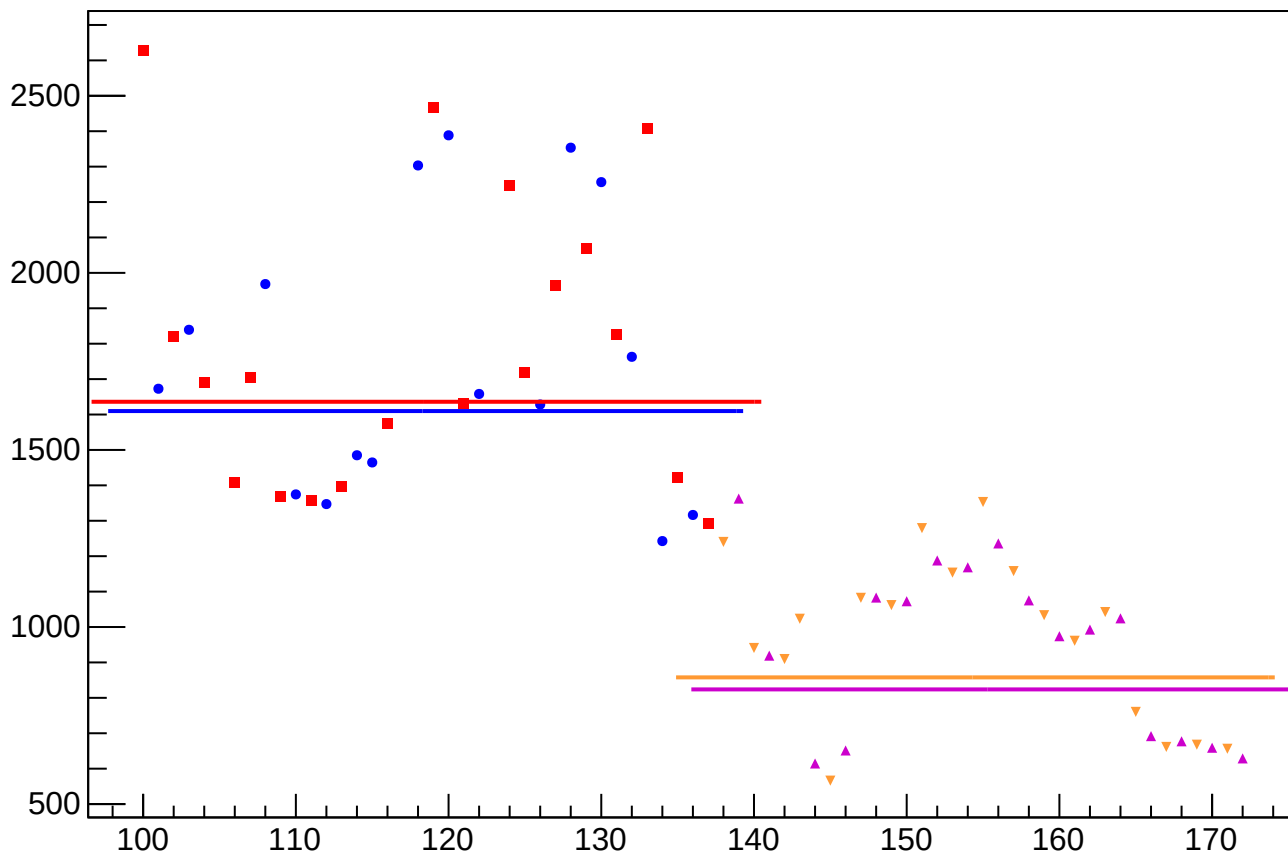
Left In: -43.784+/-229.065 χ^2 /NDF: 17.7/16

+ sign -1027.603+/-220.788 χ^2 /NDF: 86.1/33

All: -609.914+/-153.899 χ^2 /NDF: 127.8/69

- sign -215.182+/-214.635 χ^2 /NDF: 34.7/35

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1609.791 $\pm$ 0.436 χ^2 /NDF: 619158.3/15

Left Out: 857.776 $\pm$ 0.167 χ^2 /NDF:1942149.3/17

Right Out: 1636.046 $\pm$ 0.434 χ^2 /NDF: 527809.9/18

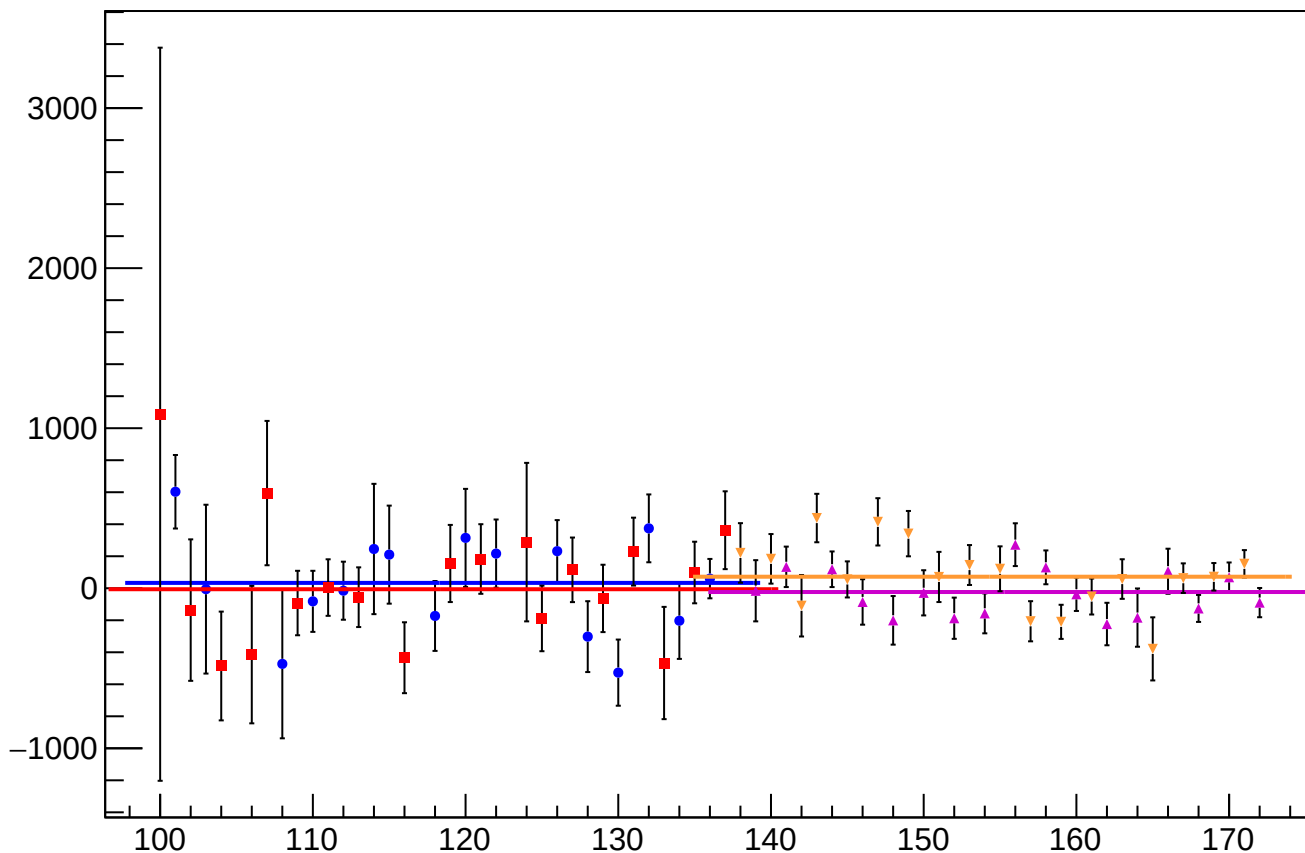
Left In: 823.815 $\pm$ 0.162 χ^2 /NDF:1893131.0/16

+ sign 954.381 $\pm$ 0.156 χ^2 /NDF: 5159003.7/33

All: 938.209 $\pm$ 0.109 χ^2 /NDF: 10669197.4/69

- sign 922.925 $\pm$ 0.152 χ^2 /NDF: 5489321.9/35

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

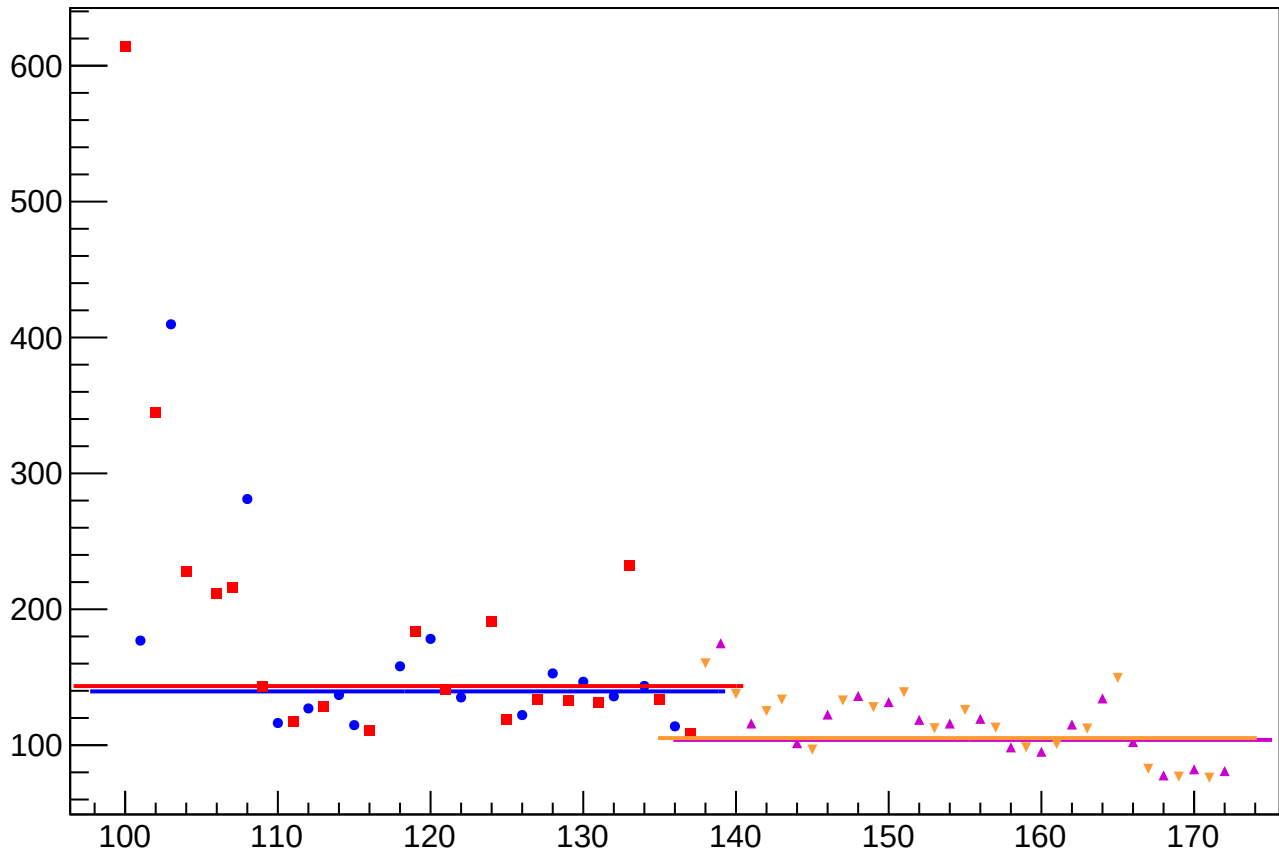
Left In: -23.535+/-28.973 χ^2/NDF : 21.4/16

+ sign 63.614+/-25.702 χ^2/NDF : 62.2/33

All: 21.939+/-18.188 χ^2/NDF : 106.3/69

- sign -19.865+/-25.742 χ^2/NDF : 38.8/35

dit_asym_sam3_rms vs Slug



Right In: 139.566 $\pm$ 0.039 χ^2 /NDF: 976734.6/15

Left Out: 105.213 $\pm$ 0.021 χ^2 /NDF:1325542.2/17

Right Out: 143.479 $\pm$ 0.040 χ^2 /NDF: 1116671.9/18

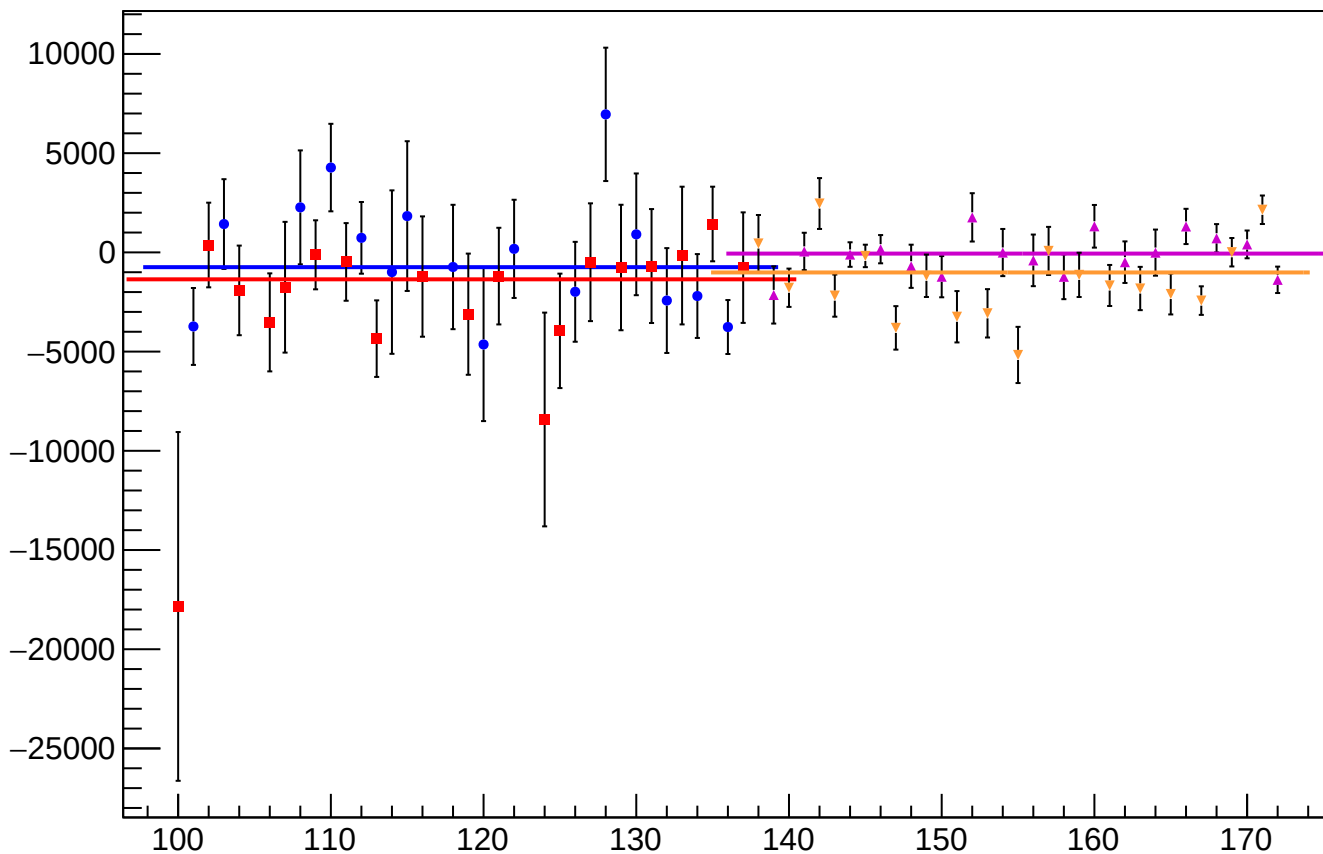
Left In: 103.877 $\pm$ 0.020 χ^2 /NDF:1089258.6/16

+ sign 112.740 $\pm$ 0.018 χ^2 /NDF: 2913650.3/33

All: 112.479 $\pm$ 0.013 χ^2 /NDF: 5907010.8/69

- sign 112.218 $\pm$ 0.018 χ^2 /NDF: 2992949.1/35

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

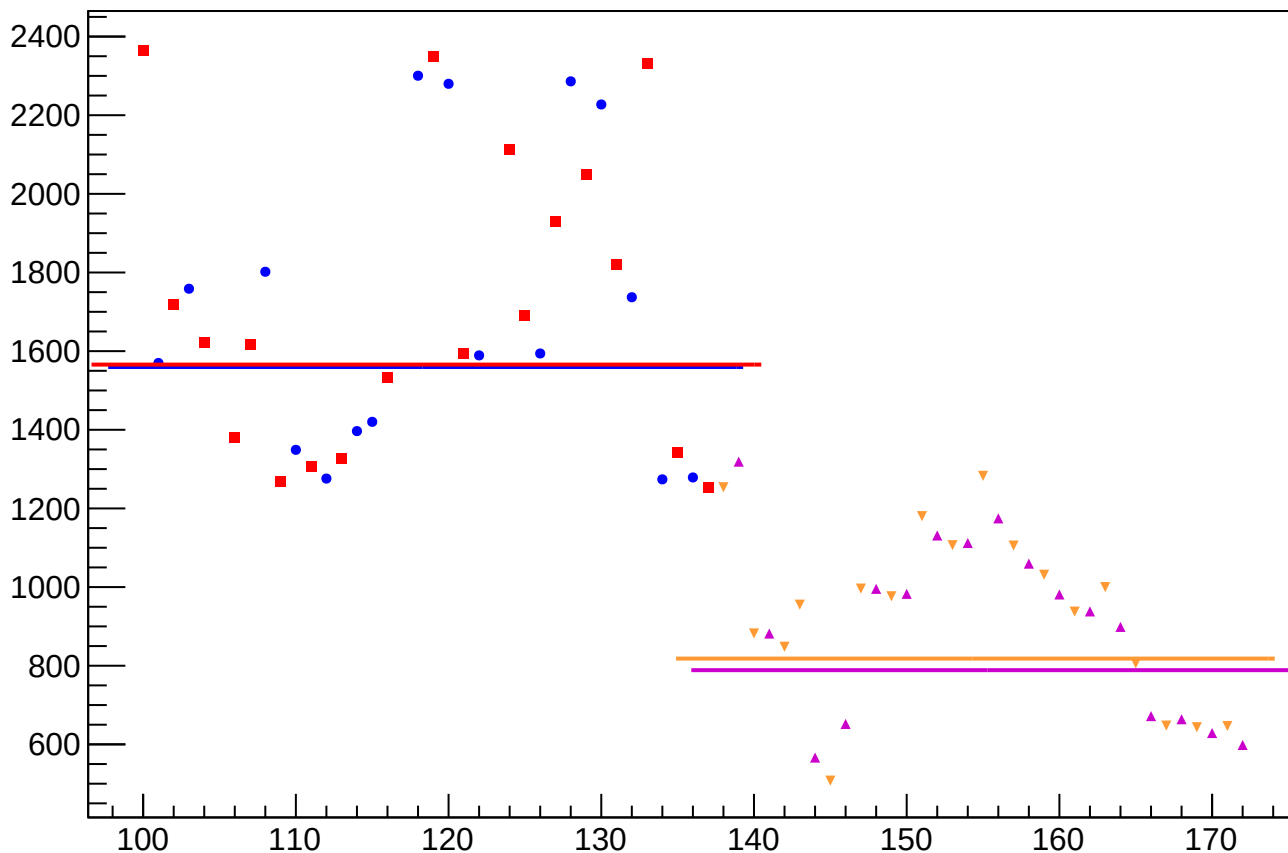
Left In: -60.792 ± 219.408 χ^2/NDF : 16.9/16

+ sign -978.185 ± 210.888 χ^2/NDF : 85.1/33

All: -589.413 ± 147.167 χ^2/NDF : 126.5/69

- sign -220.362 ± 205.470 χ^2/NDF : 34.8/35

asym_sam3_dit_correction_rms vs Slug



Right In: 1559.735 $\pm$ 0.421 χ^2 /NDF: 604209.5/15

Left Out: 818.143 $\pm$ 0.159 χ^2 /NDF: 2022643.9/17

Right Out: 1565.808 $\pm$ 0.414 χ^2 /NDF: 563847.8/18

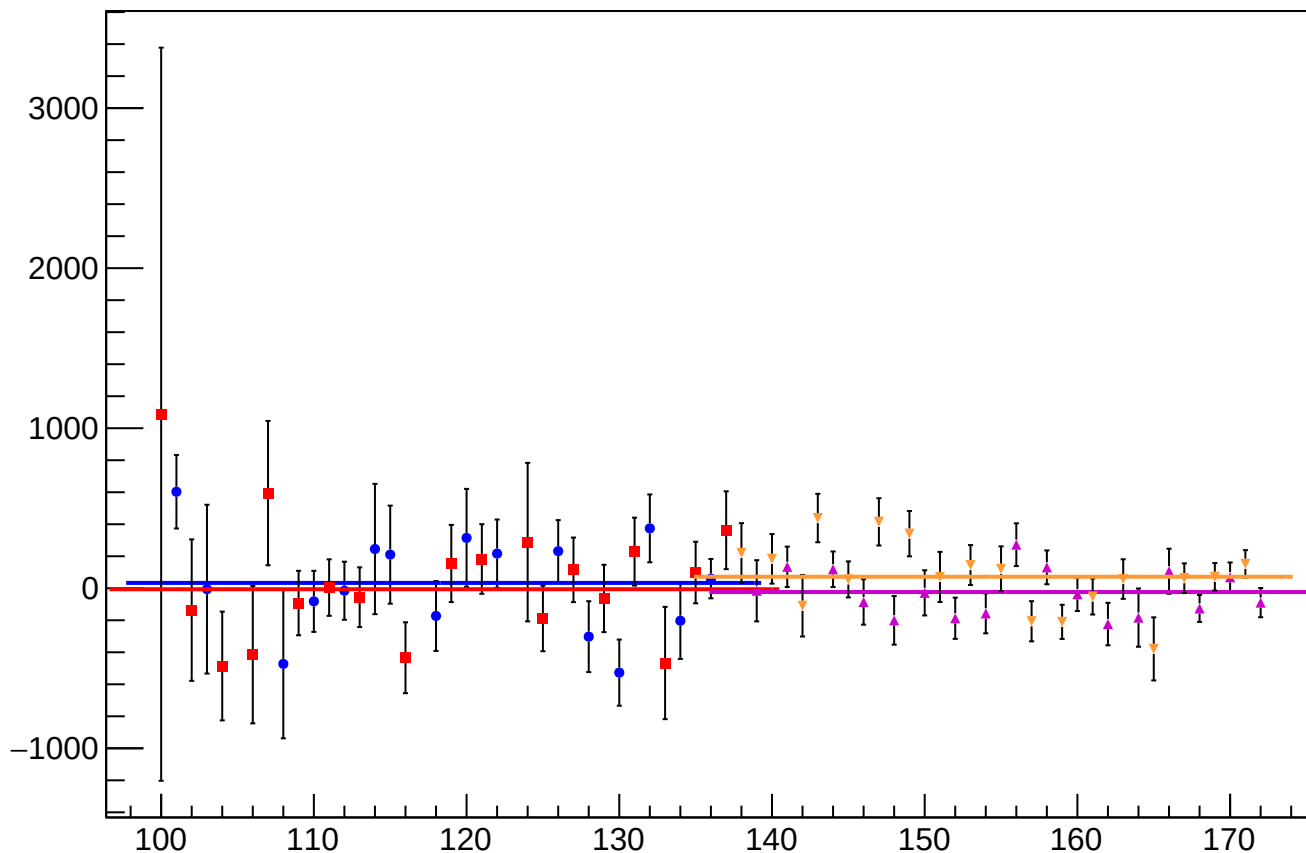
Left In: 788.716 $\pm$ 0.155 χ^2 /NDF: 1848553.4/16

+ sign 911.052 $\pm$ 0.149 χ^2 /NDF: 5337124.8/33

All: 897.336 $\pm$ 0.104 χ^2 /NDF: 10852417.4/69

- sign 884.316 $\pm$ 0.145 χ^2 /NDF: 5498802.2/35

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

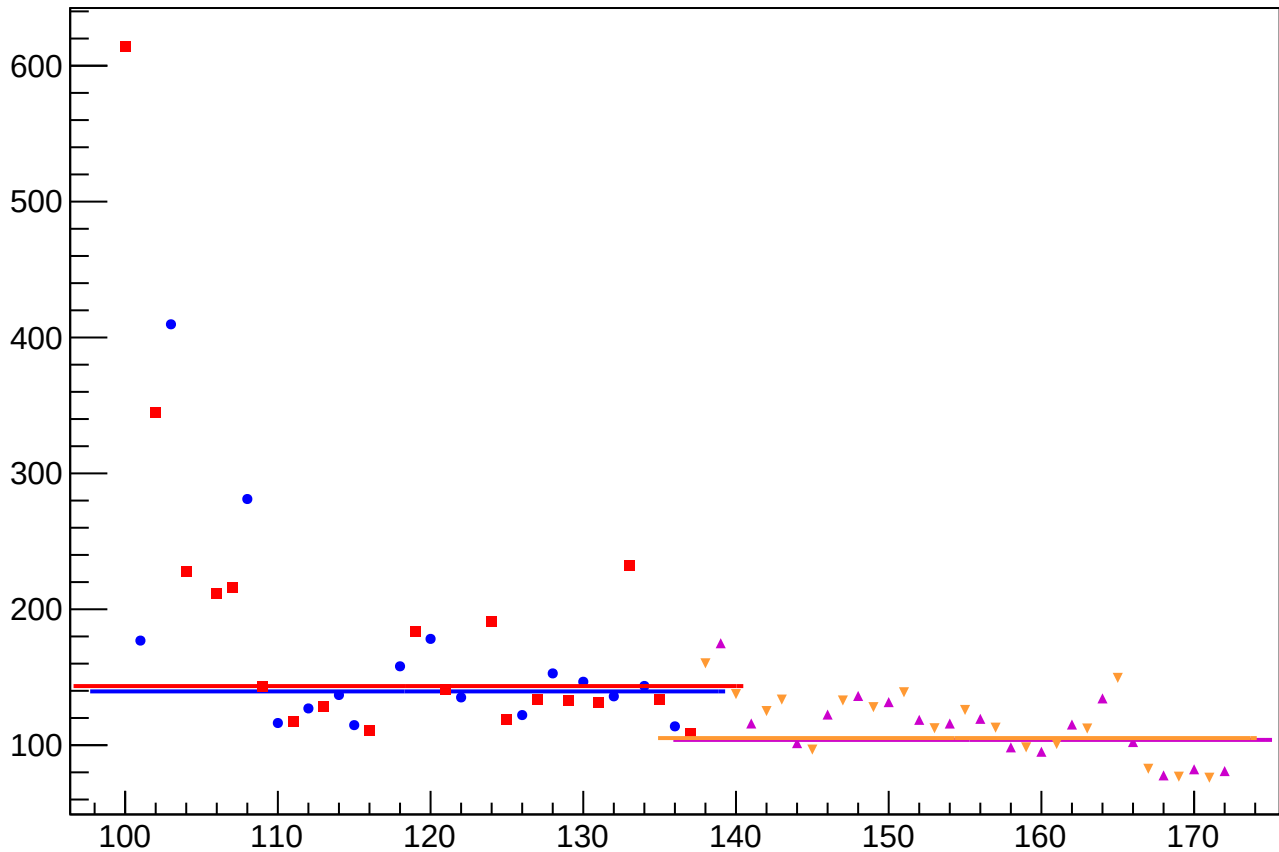
Left In: -23.534 ± 28.973 χ^2/NDF : 21.4/16

+ sign 63.614 ± 25.702 χ^2/NDF : 62.2/33

All: 21.941 ± 18.188 χ^2/NDF : 106.3/69

- sign -19.863 ± 25.742 χ^2/NDF : 38.8/35

eigen_dit_asym_sam3_rms vs Slug



Right In: 139.567 $\pm$ 0.039 χ^2 /NDF: 976737.0/15

Left Out: 105.213 $\pm$ 0.021 χ^2 /NDF:1325571.3/17

Right Out: 143.480 $\pm$ 0.040 χ^2 /NDF: 1116678.4/18

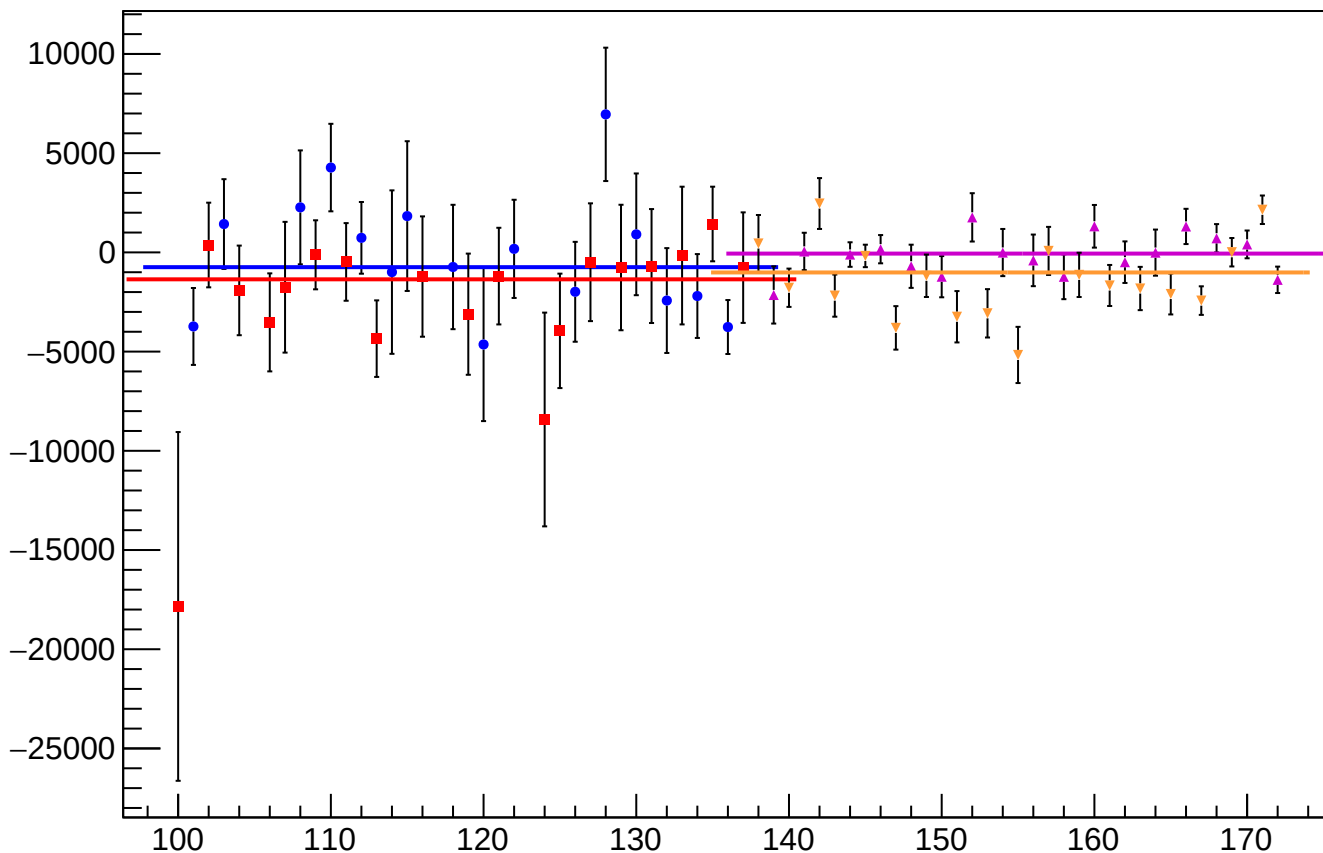
Left In: 103.877 $\pm$ 0.020 χ^2 /NDF:1089272.8/16

+ sign 112.740 $\pm$ 0.018 χ^2 /NDF: 2913677.9/33

All: 112.480 $\pm$ 0.013 χ^2 /NDF: 5907059.3/69

- sign 112.218 $\pm$ 0.018 χ^2 /NDF: 2992970.0/35

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -744.678 $\pm$ 595.809 χ^2/NDF : 23.5/15

Left Out: -1011.630 $\pm$ 225.485 χ^2/NDF : 61.5/17

Right Out: -1357.874 $\pm$ 585.807 χ^2/NDF : 13.5/18

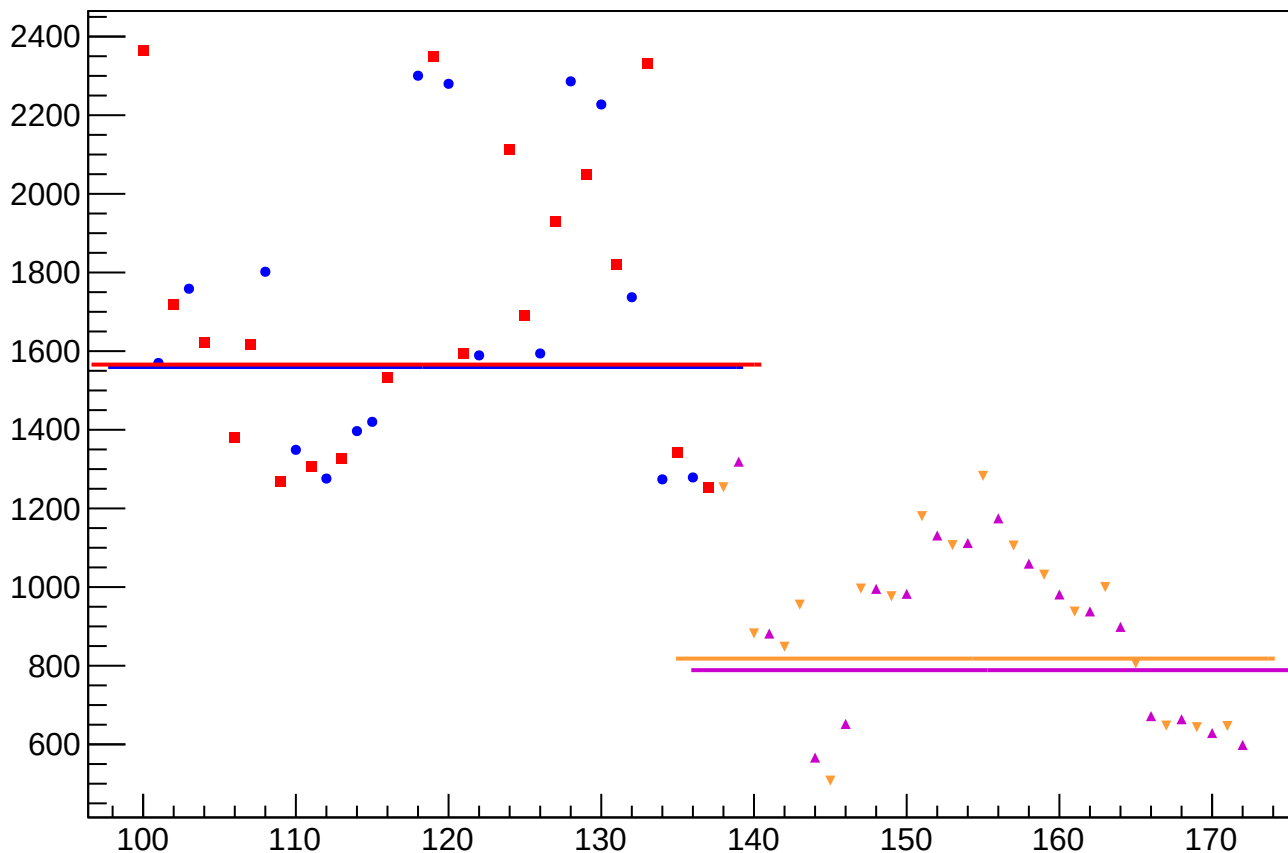
Left In: -60.791 $\pm$ 219.408 χ^2/NDF : 16.9/16

+ sign -978.186 $\pm$ 210.888 χ^2/NDF : 85.1/33

All: -589.413 $\pm$ 147.167 χ^2/NDF : 126.5/69

- sign -220.361 $\pm$ 205.469 χ^2/NDF : 34.8/35

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1559.734 $\pm$ 0.421 χ^2 /NDF: 604209.8/15

Left Out: 818.143 $\pm$ 0.159 χ^2 /NDF: 2022638.0/17

Right Out: 1565.806 $\pm$ 0.414 χ^2 /NDF: 563845.7/18

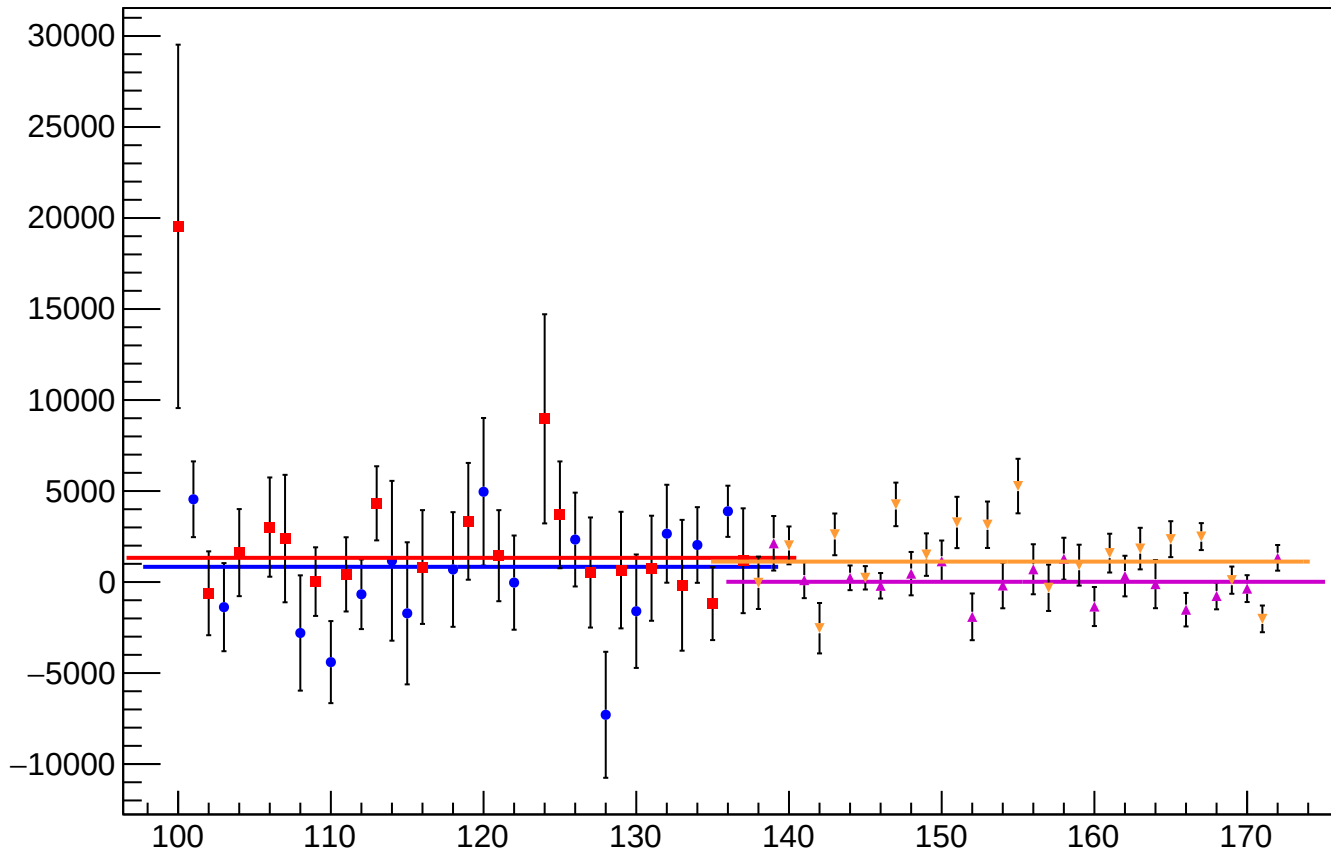
Left In: 788.716 $\pm$ 0.155 χ^2 /NDF: 1848549.2/16

+ sign 911.051 $\pm$ 0.149 χ^2 /NDF: 5337118.5/33

All: 897.335 $\pm$ 0.104 χ^2 /NDF: 10852402.5/69

- sign 884.315 $\pm$ 0.145 χ^2 /NDF: 5498793.5/35

asym_sam3_mean vs Slug



Right In: 835.496 $\pm$ 618.780 χ^2 /NDF: 24.9/15

Left Out: 1122.965 $\pm$ 237.961 χ^2 /NDF:58.7/17

Right Out: 1329.538 $\pm$ 616.428 χ^2 /NDF: 12.1/18

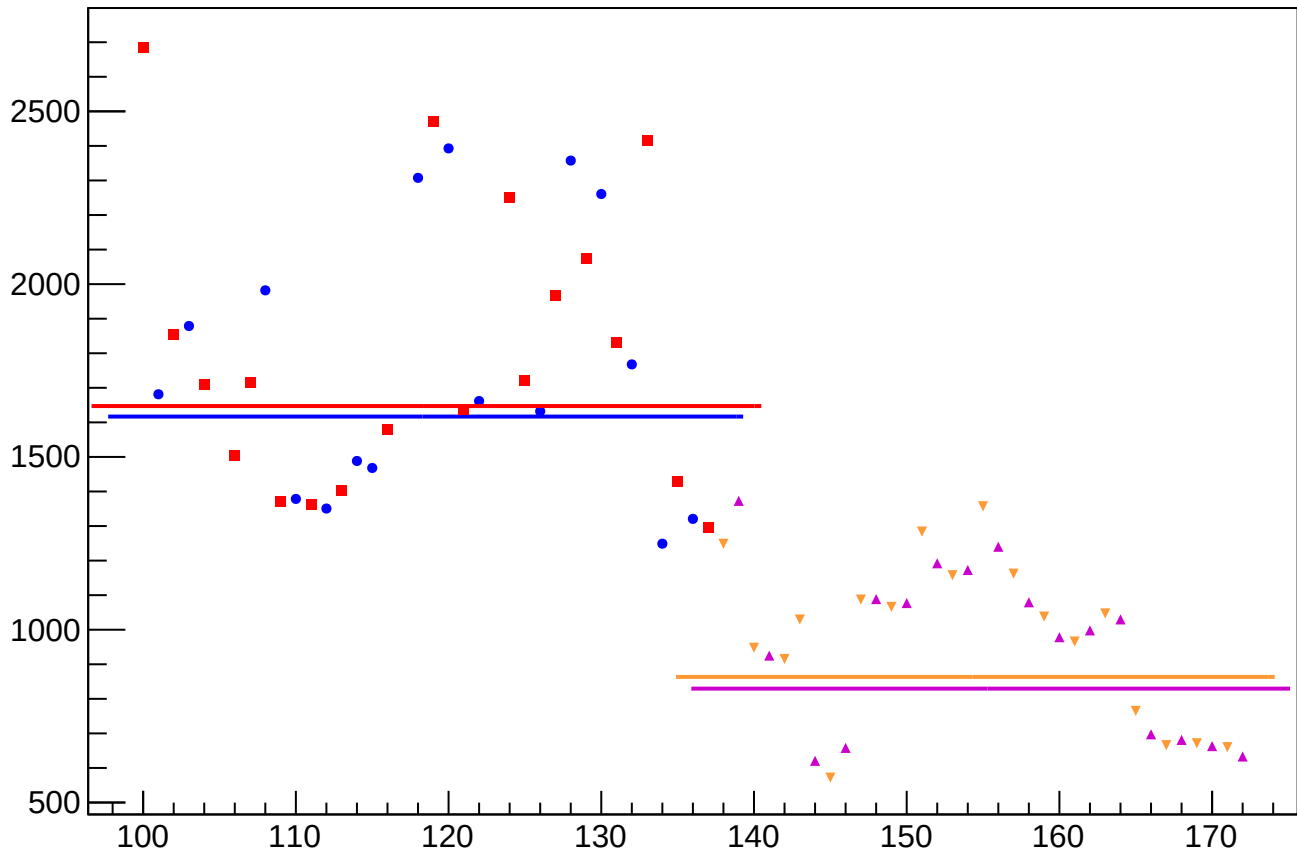
Left In: 13.097 $\pm$ 230.575 χ^2 /NDF:16.4/16

+ sign 1085.929 $\pm$ 222.103 χ^2 /NDF: 83.7/33

All: 617.530 $\pm$ 154.834 χ^2 /NDF: 124.9/69

- sign 174.678 $\pm$ 215.962 χ^2 /NDF: 32.5/35

asym_sam3_rms vs Slug



Right In: 1616.804 $\pm$ 0.438 χ^2 /NDF: 622271.0/15

Left Out: 863.372 $\pm$ 0.168 χ^2 /NDF: 1921390.1/17

Right Out: 1647.227 $\pm$ 0.436 χ^2 /NDF: 523860.9/18

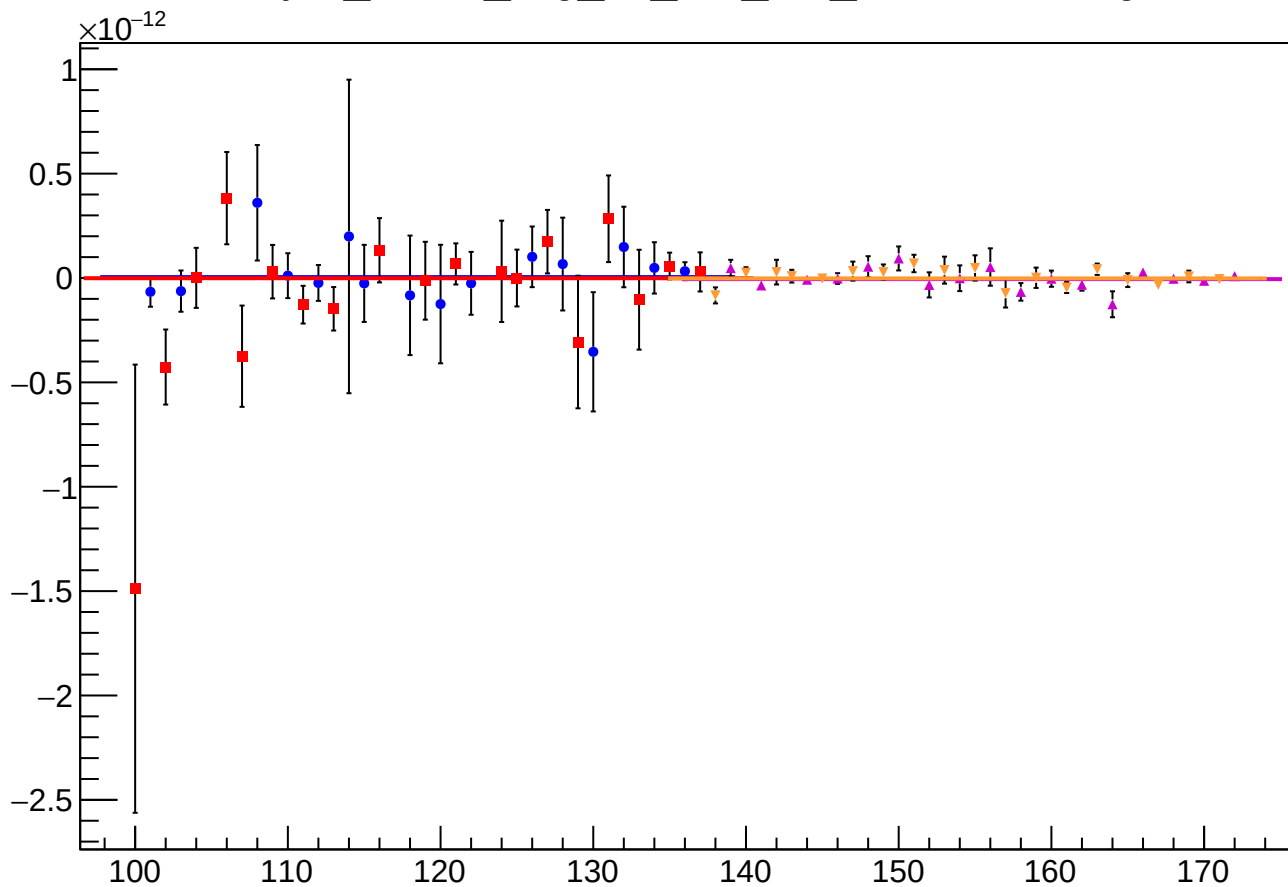
Left In: 829.574 $\pm$ 0.163 χ^2 /NDF: 1872621.2/16

+ sign 960.441 $\pm$ 0.157 χ^2 /NDF: 5126782.1/33

All: 944.760 $\pm$ 0.109 χ^2 /NDF: 10629623.8/69

- sign 929.934 $\pm$ 0.153 χ^2 /NDF: 5483445.3/35

asym_sam3_reg_vs_cor_diff_mean vs Slug



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

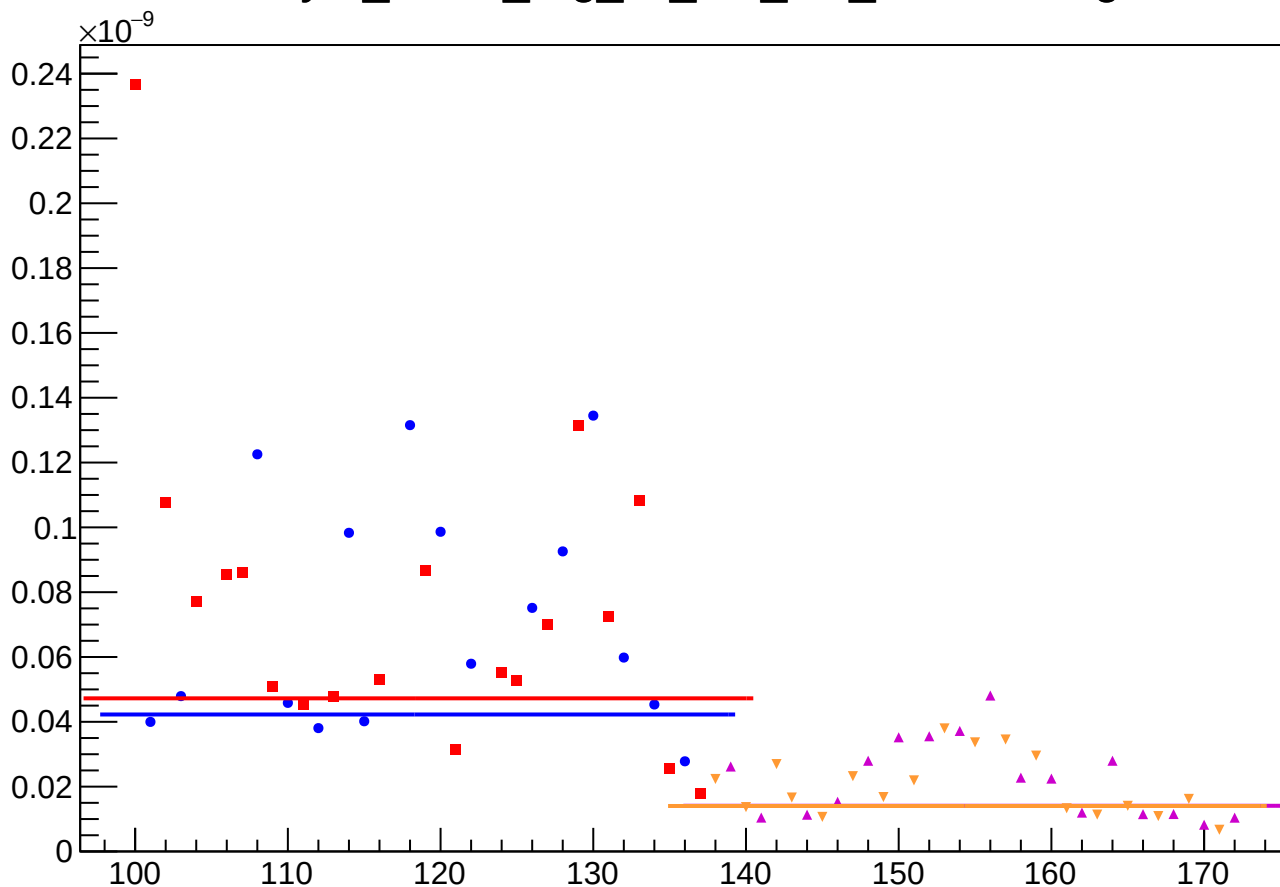
Left In: -0.000 ± 0.000 χ^2/NDF : 17.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 27.2/33

All: -0.000 ± 0.000 χ^2/NDF : 68.4/69

- sign -0.000 ± 0.000 χ^2/NDF : 41.1/35

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

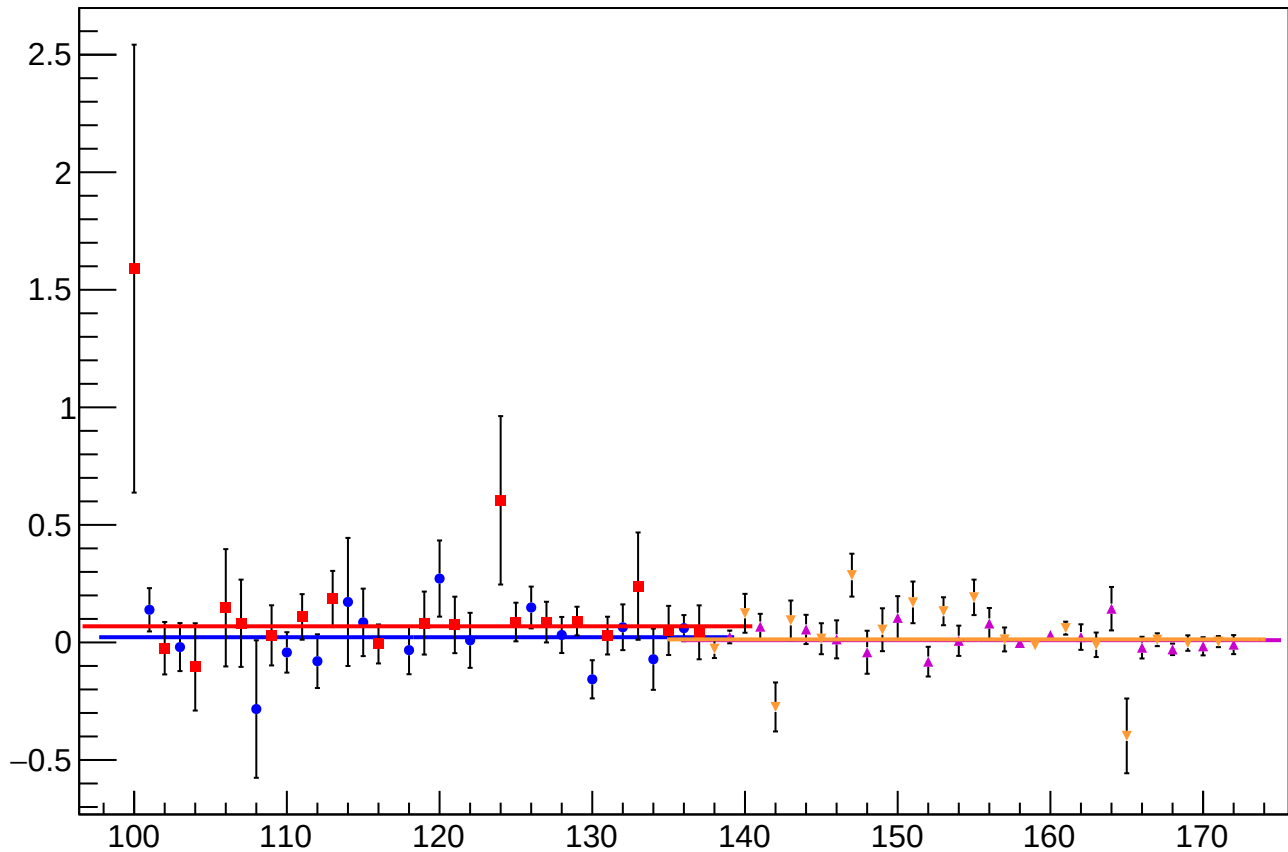
Left In: 0.000 +/- 0.000 χ^2/NDF : 2129352.2/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 4910761.6/33

All: 0.000 +/- 0.000 χ^2/NDF : 10721205.6/69

- sign 0.000 +/- 0.000 χ^2/NDF : 5810426.9/35

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

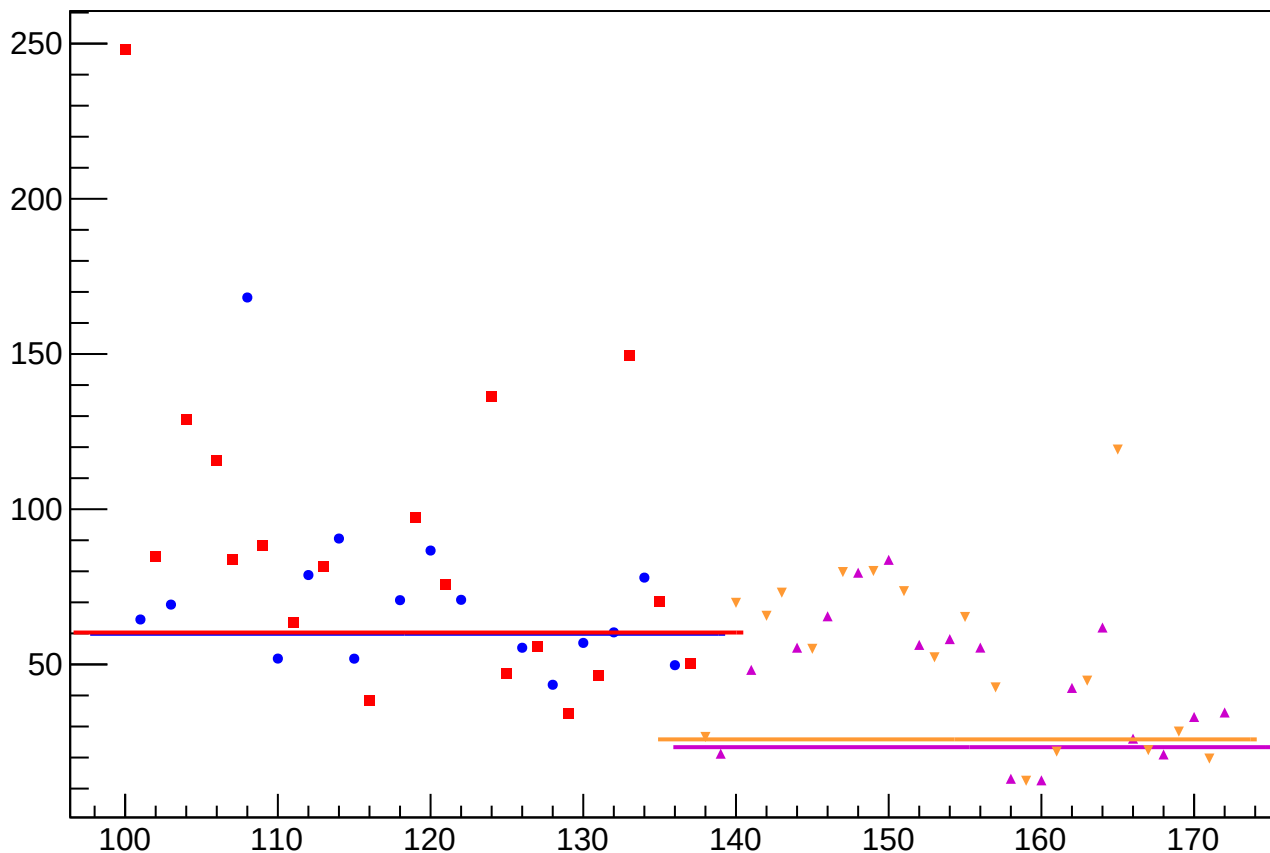
Left In: 0.010 ± 0.008 χ^2/NDF : 14.8/16

+ sign 0.014 ± 0.008 χ^2/NDF : 61.8/33

All: 0.015 ± 0.006 χ^2/NDF : 91.1/69

- sign 0.015 ± 0.008 χ^2/NDF : 29.3/35

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2 /NDF: 698954.5/15

Left Out: 25.855 $\pm$ 0.006 χ^2 /NDF: 7686439.8/17

Right Out: 60.278 $\pm$ 0.018 χ^2 /NDF: 1977220.6/18

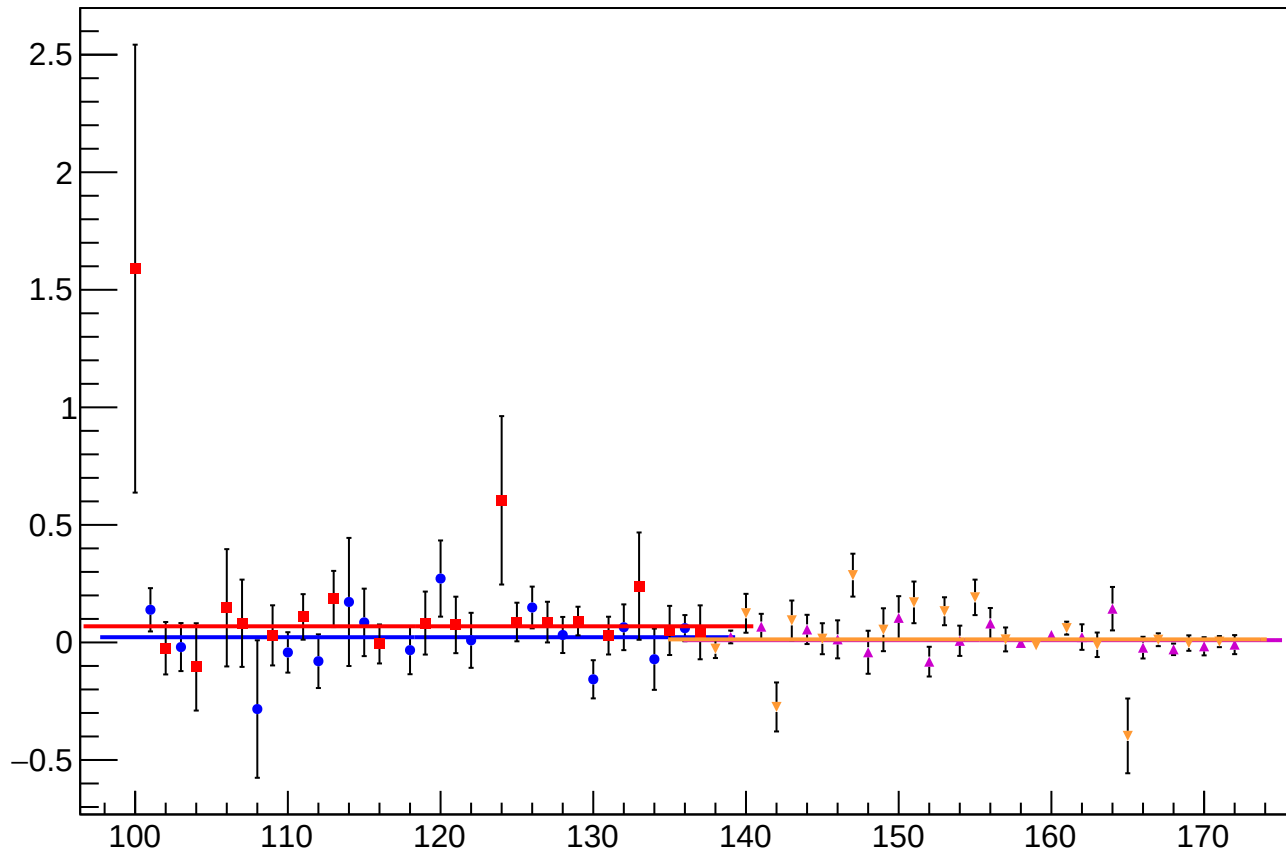
Left In: 23.345 $\pm$ 0.006 χ^2 /NDF: 7290260.3/16

+ sign 29.826 $\pm$ 0.006 χ^2 /NDF: 11741905.5/33

All: 28.272 $\pm$ 0.004 χ^2 /NDF: 24992764.7/69

- sign 26.920 $\pm$ 0.006 χ^2 /NDF: 13123780.7/35

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

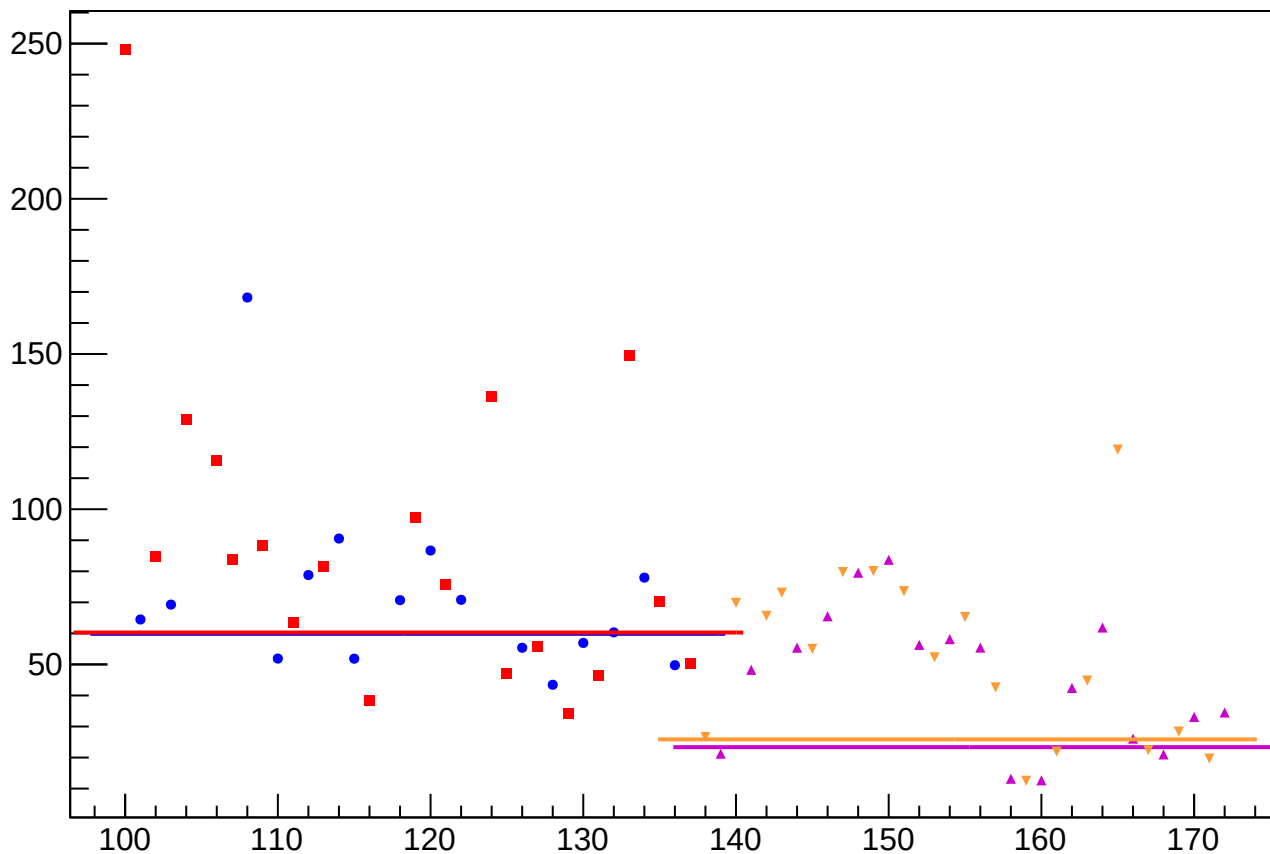
Left In: 0.010 ± 0.008 χ^2/NDF : 14.8/16

+ sign 0.014 ± 0.008 χ^2/NDF : 61.8/33

All: 0.015 ± 0.006 χ^2/NDF : 91.1/69

- sign 0.015 ± 0.008 χ^2/NDF : 29.3/35

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.867 $\pm$ 0.017 χ^2/NDF : 698954.5/15

Left Out: 25.855 $\pm$ 0.006 χ^2/NDF : 7686439.8/17

Right Out: 60.278 $\pm$ 0.018 χ^2/NDF : 1977220.6/18

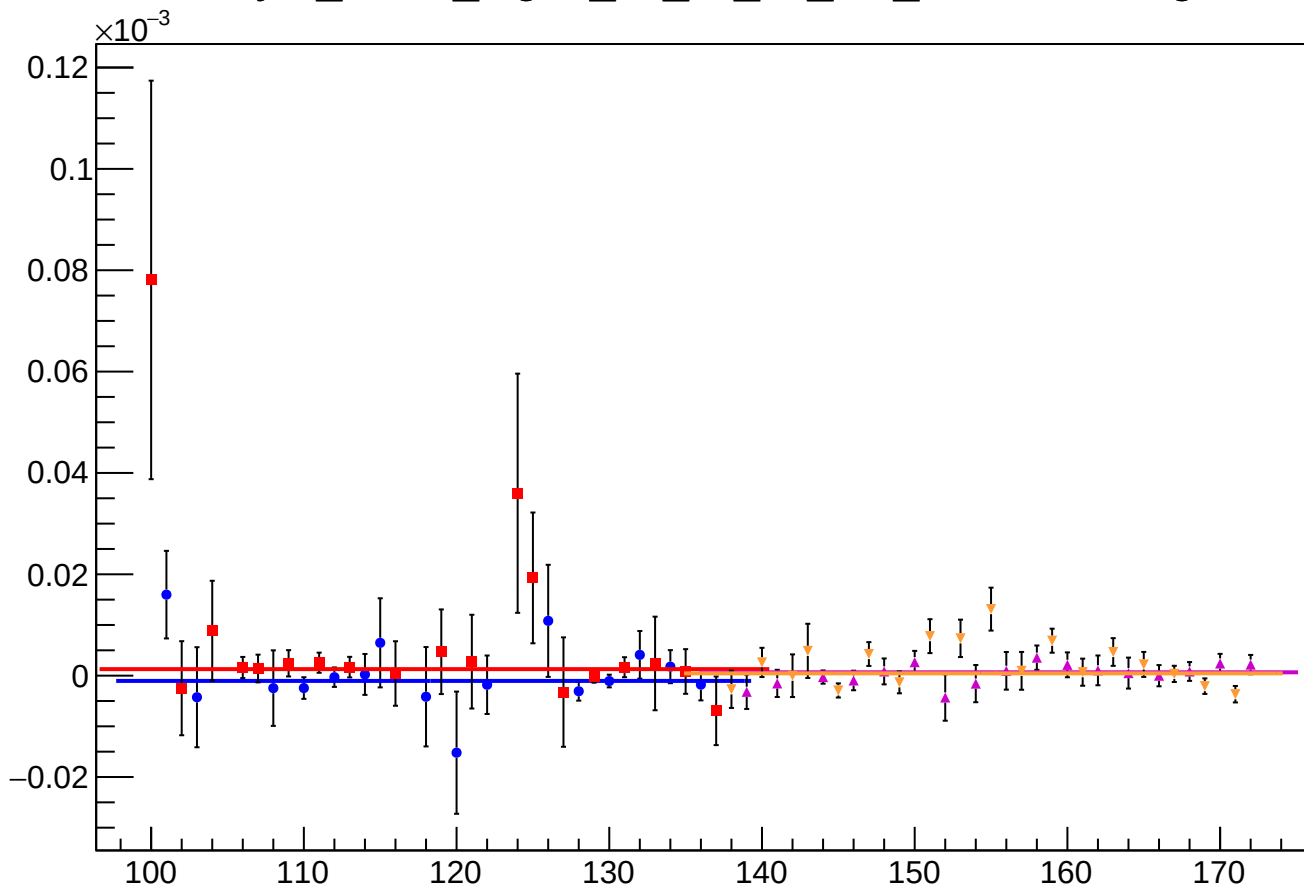
Left In: 23.345 $\pm$ 0.006 χ^2/NDF : 7290260.3/16

+ sign 29.826 $\pm$ 0.006 χ^2/NDF : 11741905.5/33

All: 28.272 $\pm$ 0.004 χ^2/NDF : 24992764.7/69

- sign 26.920 $\pm$ 0.006 χ^2/NDF : 13123780.7/35

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

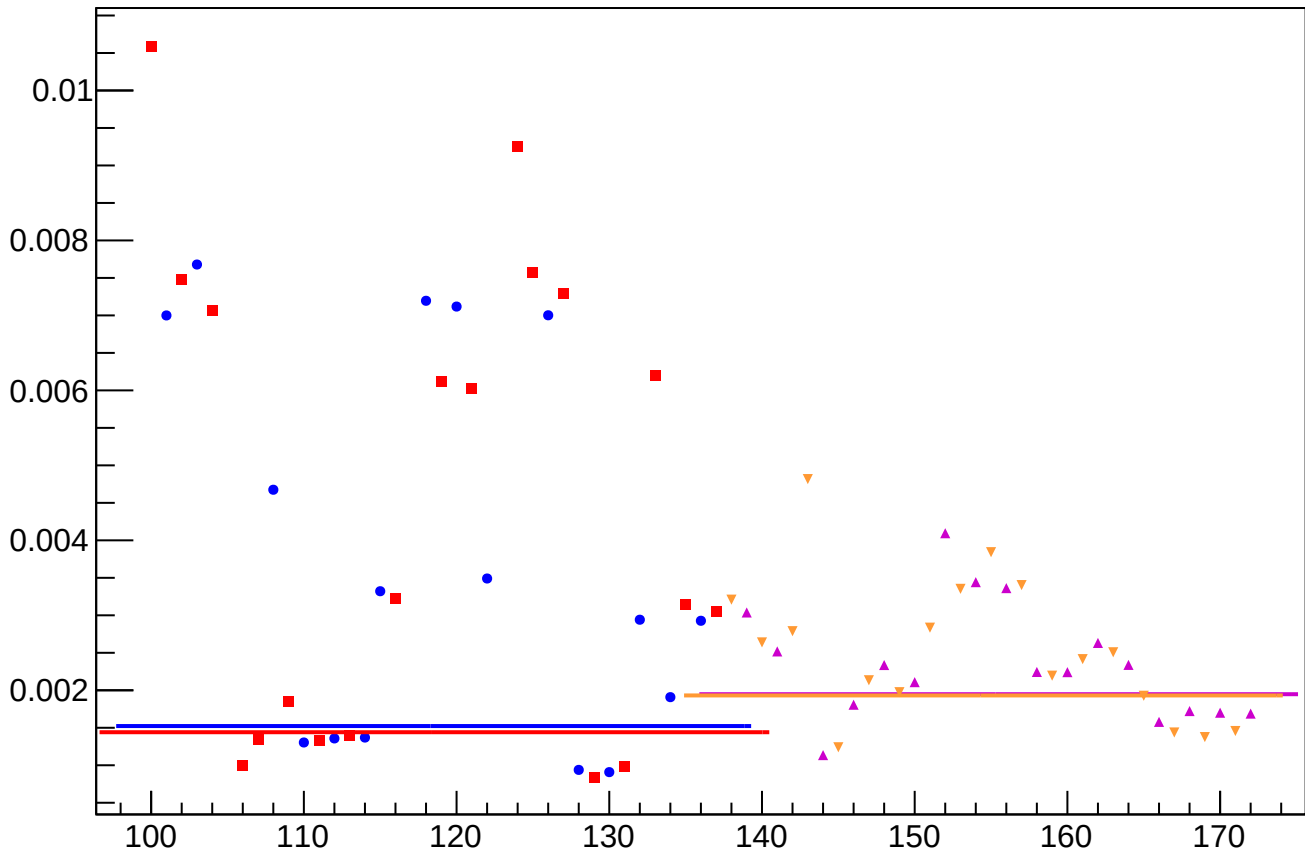
Left In: 0.000 ± 0.000 χ^2/NDF : 8.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 61.7/33

All: 0.000 ± 0.000 χ^2/NDF : 86.1/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.9/35

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF : 3494591.8/17

Right Out: 0.001+/-0.000 χ^2/NDF : 5789411.1/18

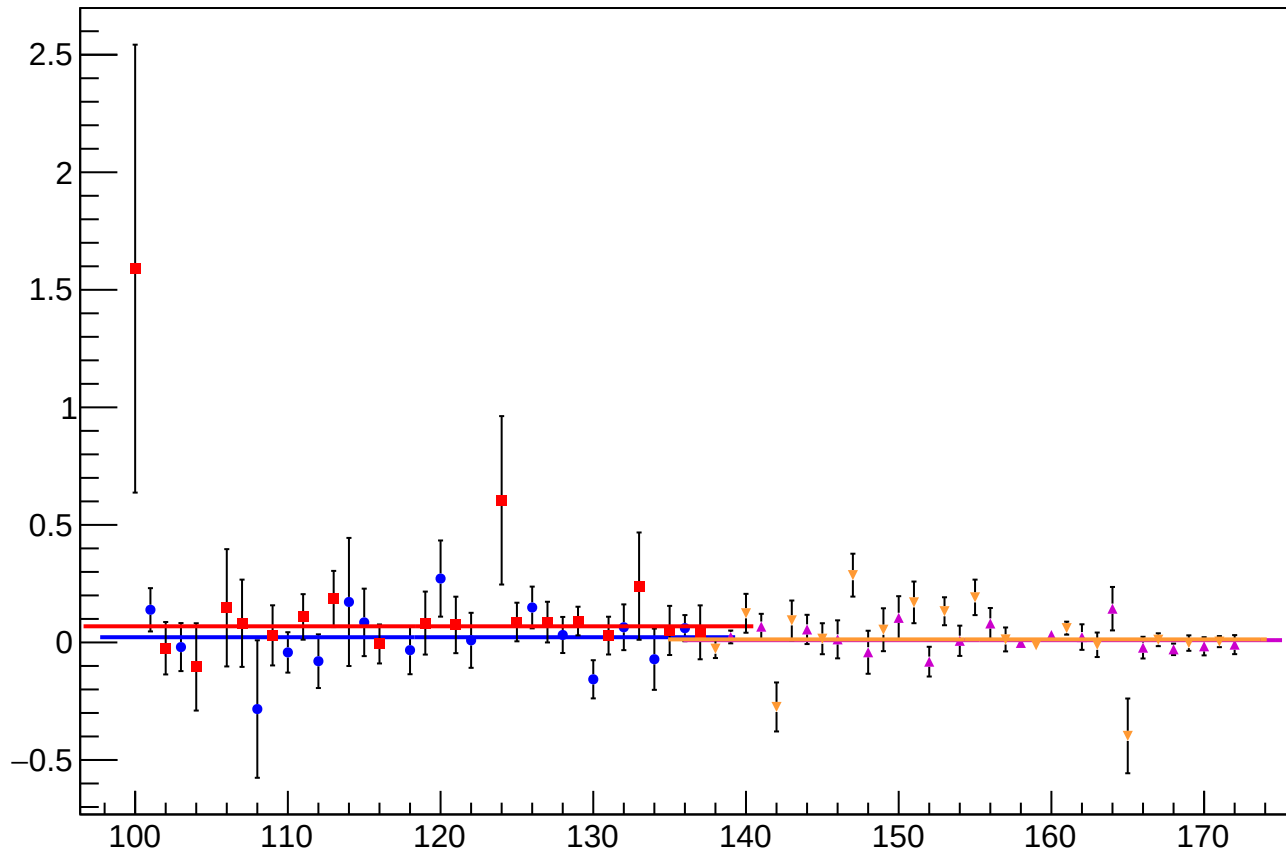
Left In: 0.002+/-0.000 χ^2/NDF : 2560504.2/16

+ sign 0.002+/-0.000 χ^2/NDF : 9070153.2/33

All: 0.002+/-0.000 χ^2/NDF : 18072505.1/69

- sign 0.002+/-0.000 χ^2/NDF : 8996668.5/35

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 0.013 ± 0.009 $\chi^2/\text{NDF}: 46.2/17$

Right Out: 0.069 ± 0.025 $\chi^2/\text{NDF}: 9.6/18$

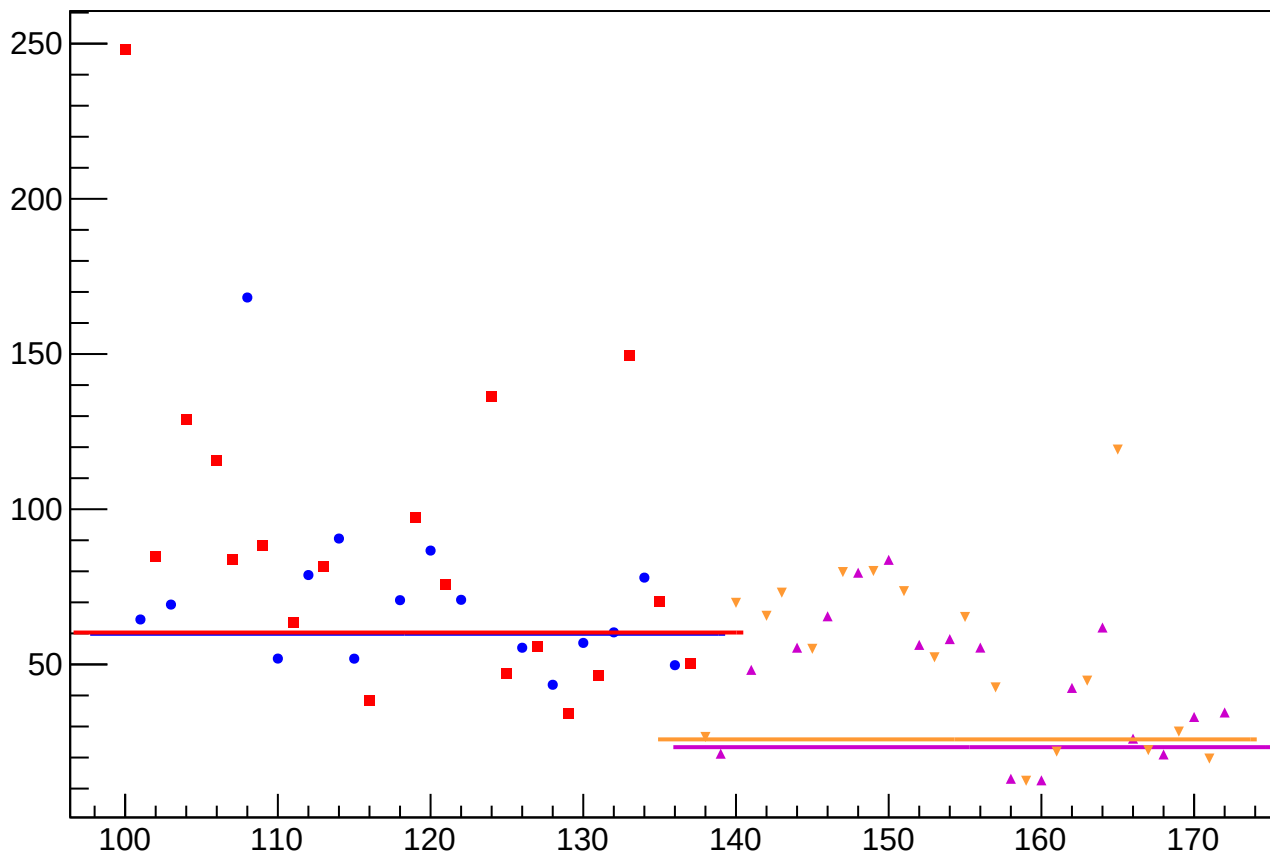
Left In: 0.010 ± 0.008 $\chi^2/\text{NDF}: 14.8/16$

+ sign 0.014 ± 0.008 $\chi^2/\text{NDF}: 61.8/33$

All: 0.015 ± 0.006 $\chi^2/\text{NDF}: 91.1/69$

- sign 0.015 ± 0.008 $\chi^2/\text{NDF}: 29.3/35$

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

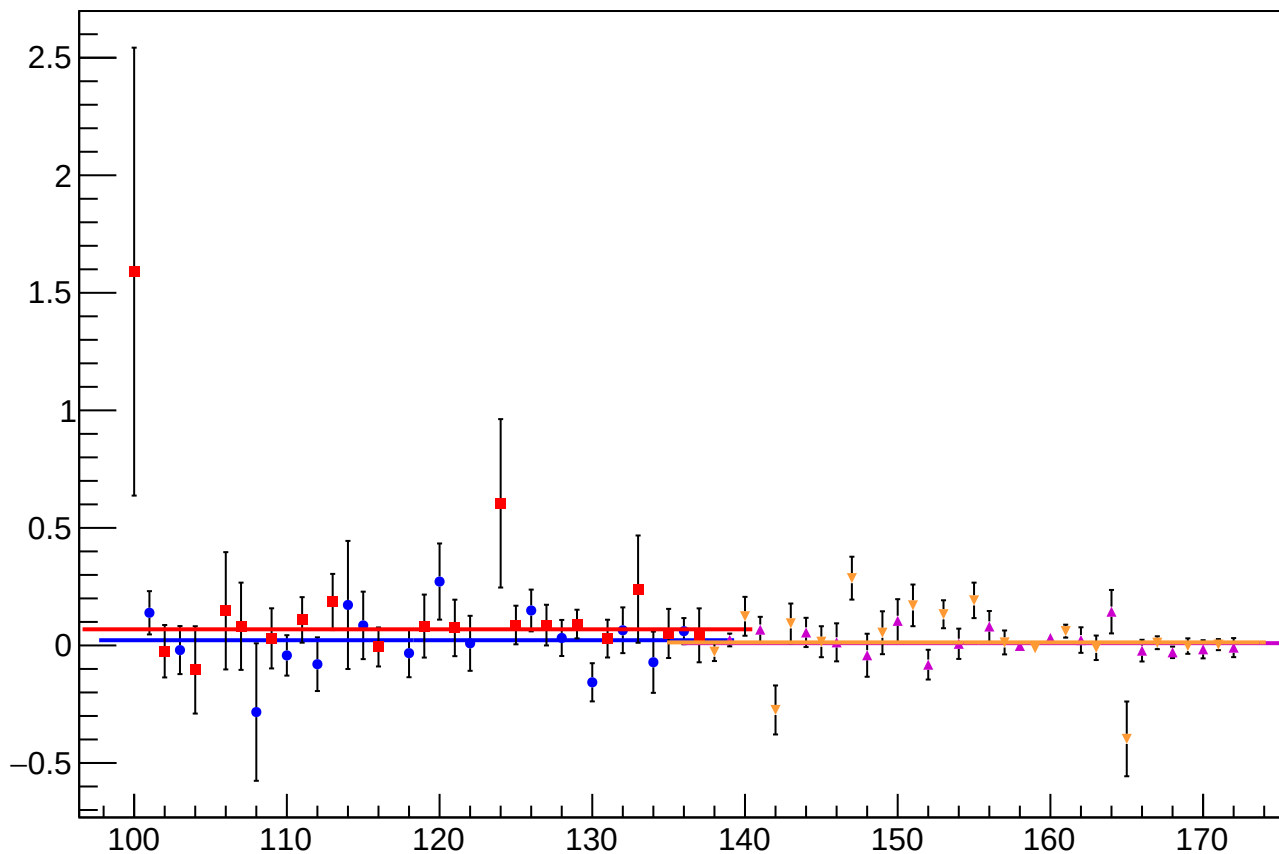
Left In: 23.344 ± 0.006 χ^2/NDF : 7290675.3/16

+ sign 29.825 ± 0.006 χ^2/NDF : 11743174.2/33

All: 28.272 ± 0.004 χ^2/NDF : 24994554.9/69

- sign 26.920 ± 0.006 χ^2/NDF : 13124378.7/35

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022 ± 0.025 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 0.013 ± 0.009 $\chi^2/\text{NDF}: 46.2/17$

Right Out: 0.069 ± 0.025 $\chi^2/\text{NDF}: 9.6/18$

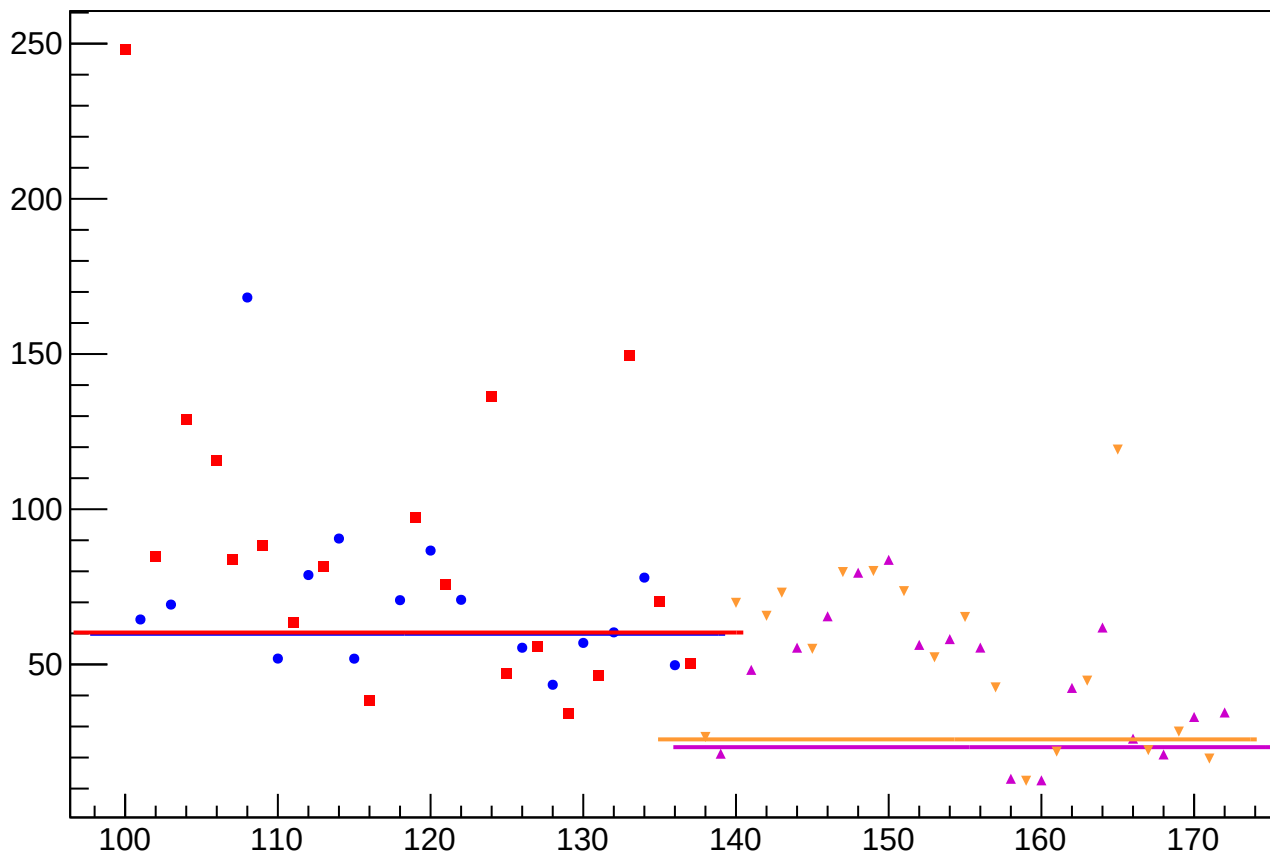
Left In: 0.010 ± 0.008 $\chi^2/\text{NDF}: 14.8/16$

+ sign 0.014 ± 0.008 $\chi^2/\text{NDF}: 61.8/33$

All: 0.015 ± 0.006 $\chi^2/\text{NDF}: 91.1/69$

- sign 0.015 ± 0.008 $\chi^2/\text{NDF}: 29.3/35$

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.868 $\pm$ 0.017 χ^2/NDF : 699008.9/15

Left Out: 25.854 $\pm$ 0.006 χ^2/NDF : 7687307.0/17

Right Out: 60.278 $\pm$ 0.018 χ^2/NDF : 1977294.2/18

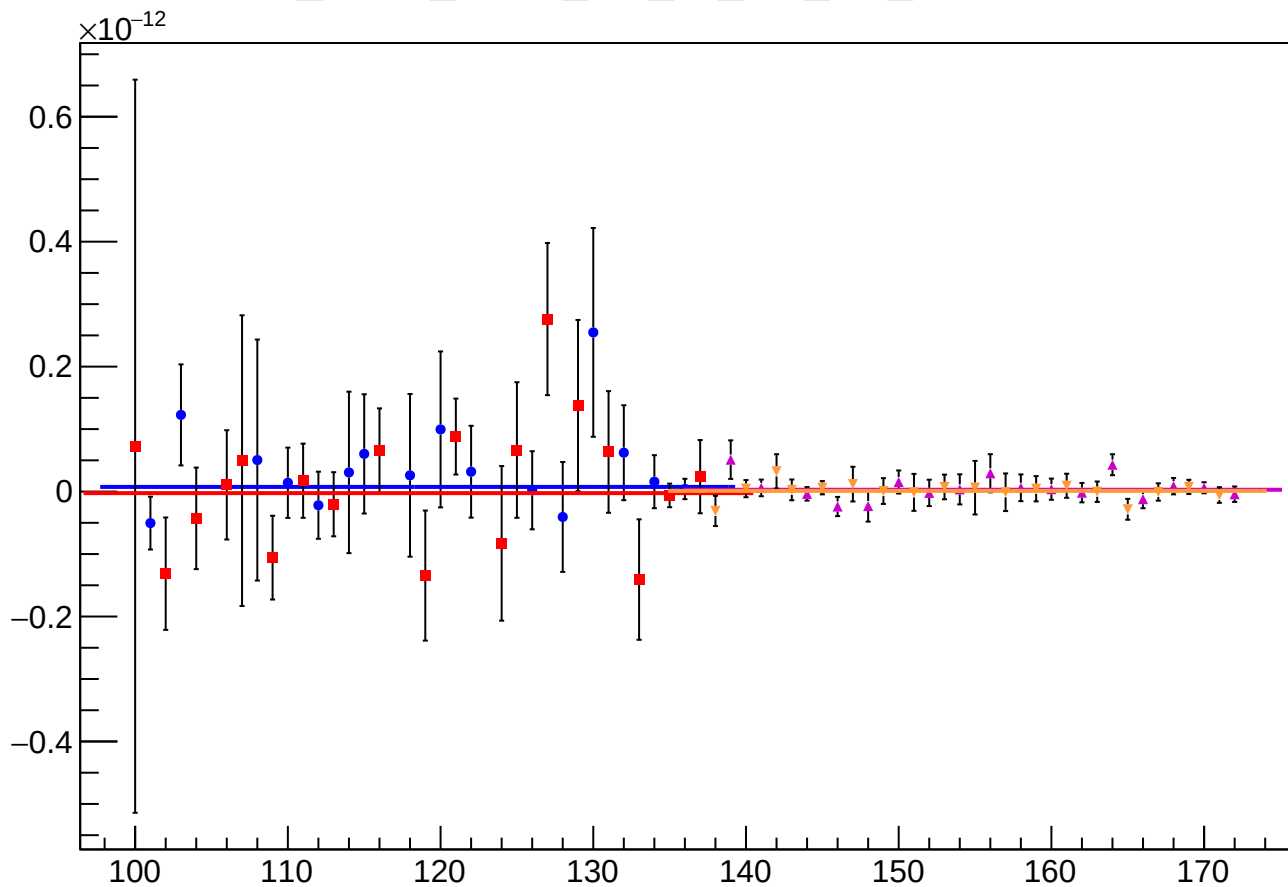
Left In: 23.344 $\pm$ 0.006 χ^2/NDF : 7290675.3/16

+ sign 29.825 $\pm$ 0.006 χ^2/NDF : 11743174.2/33

All: 28.272 $\pm$ 0.004 χ^2/NDF : 24994554.9/69

- sign 26.920 $\pm$ 0.006 χ^2/NDF : 13124378.7/35

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

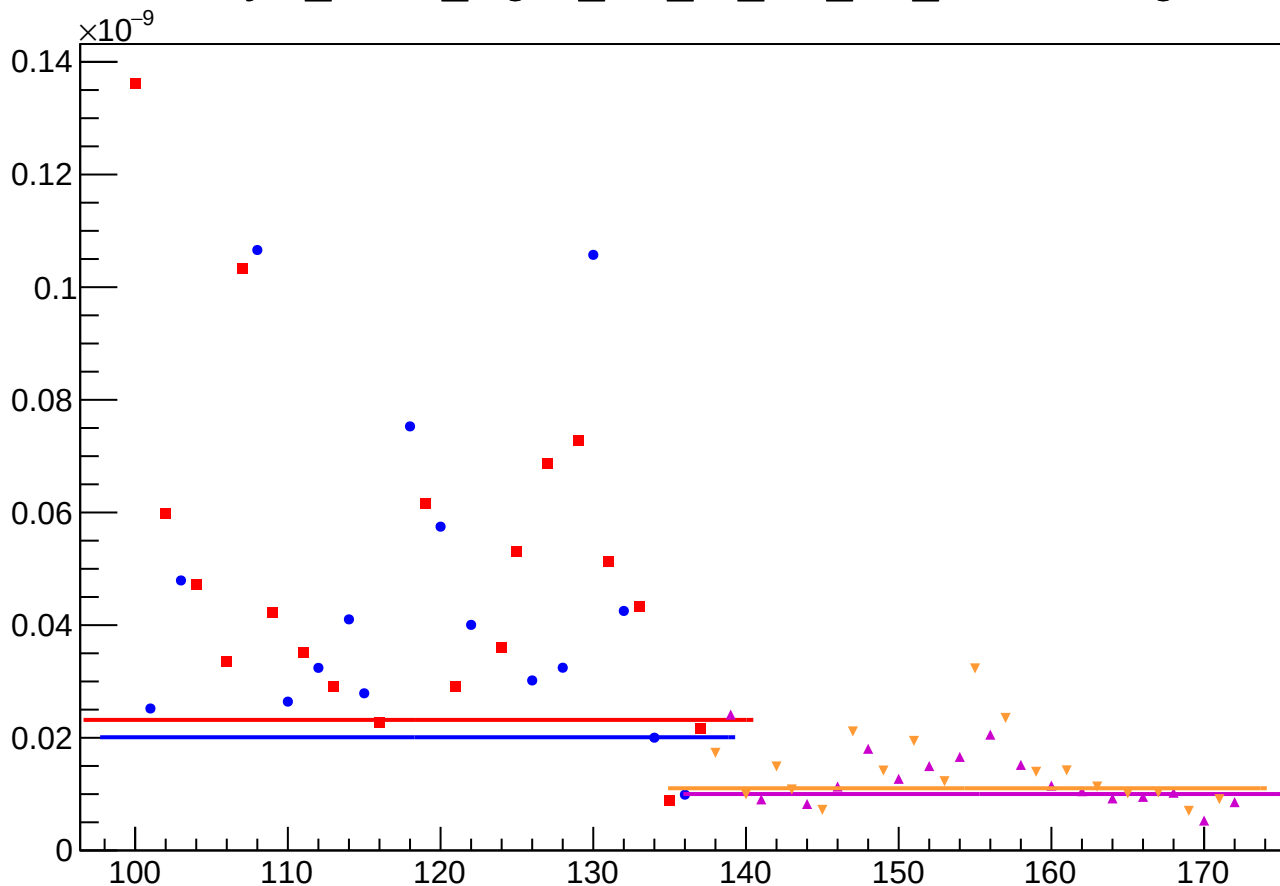
Left In: 0.000 ± 0.000 χ^2/NDF : 15.8/16

+ sign 0.000 ± 0.000 χ^2/NDF : 16.2/33

All: 0.000 ± 0.000 χ^2/NDF : 51.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 35.6/35

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

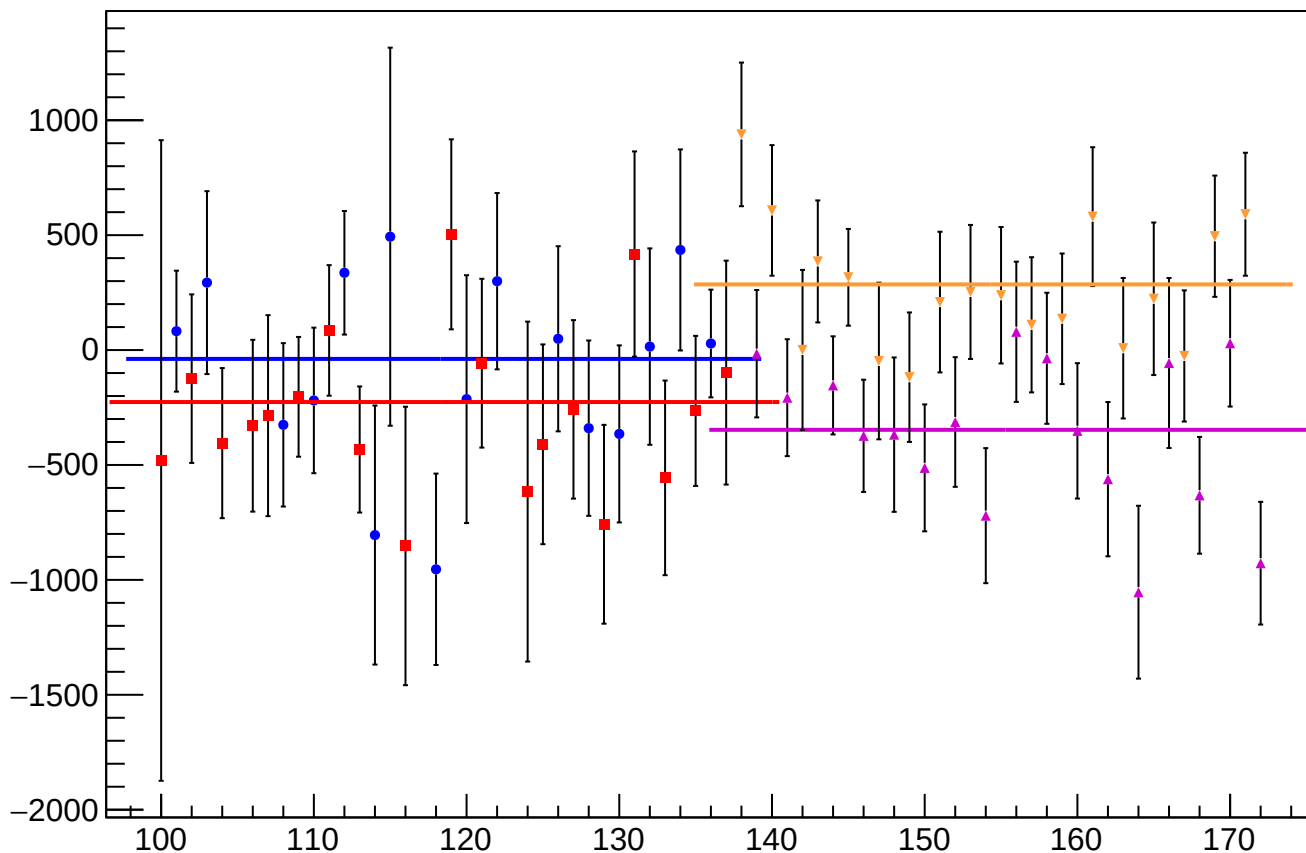
Left In: 0.000+/-0.000 χ^2/NDF : 1981010.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 6292603.3/33

All: 0.000+/-0.000 χ^2/NDF : 13638728.6/69

- sign 0.000+/-0.000 χ^2/NDF : 7273287.6/35

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

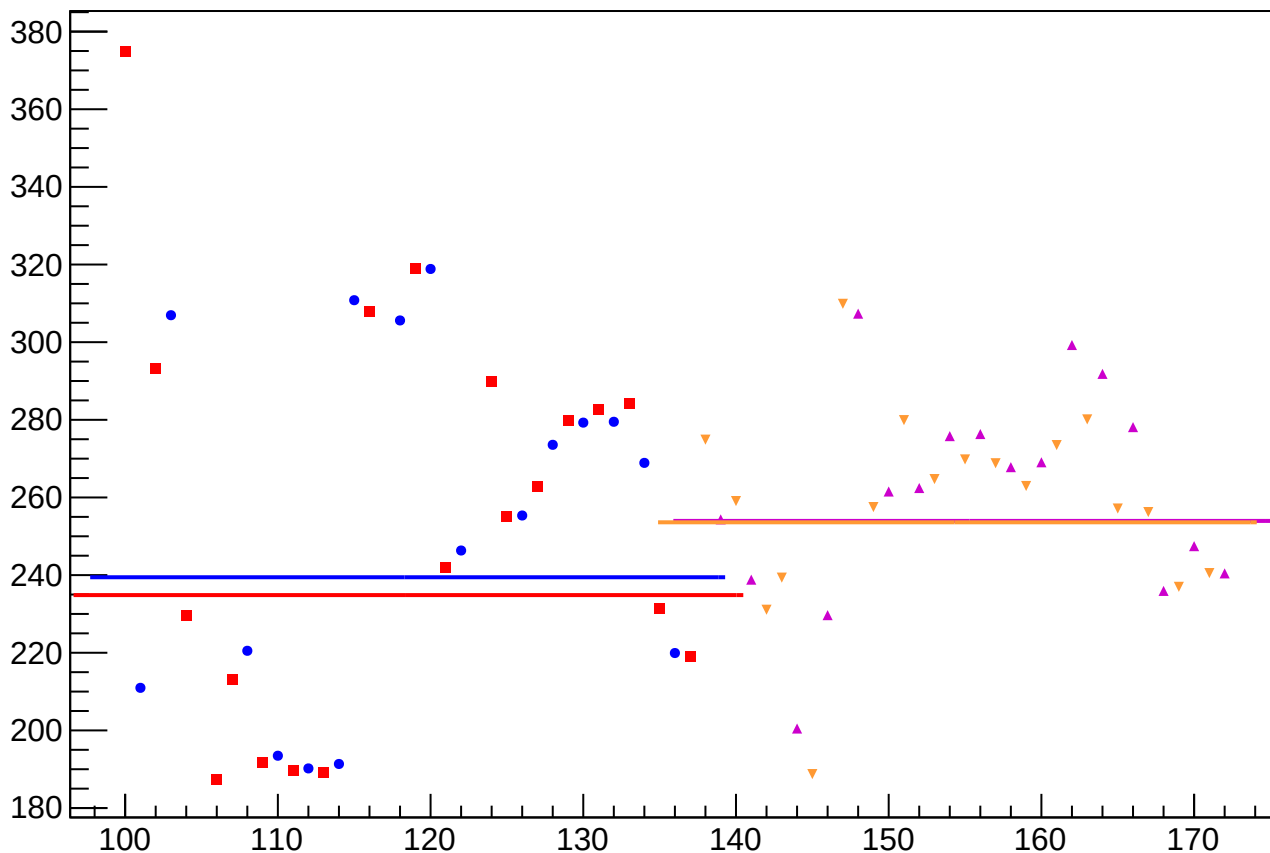
Left In: -347.020 ± 68.385 χ^2/NDF : 20.1/16

+ sign 169.479 ± 54.254 χ^2/NDF : 37.8/33

All: -67.200 ± 38.265 χ^2/NDF : 108.4/69

- sign -301.458 ± 53.976 χ^2/NDF : 32.7/35

reg_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400955.7/15

Left Out: 253.604 $\pm$ 0.048 χ^2 /NDF:336957.5/17

Right Out: 234.855 $\pm$ 0.062 χ^2 /NDF: 481715.3/18

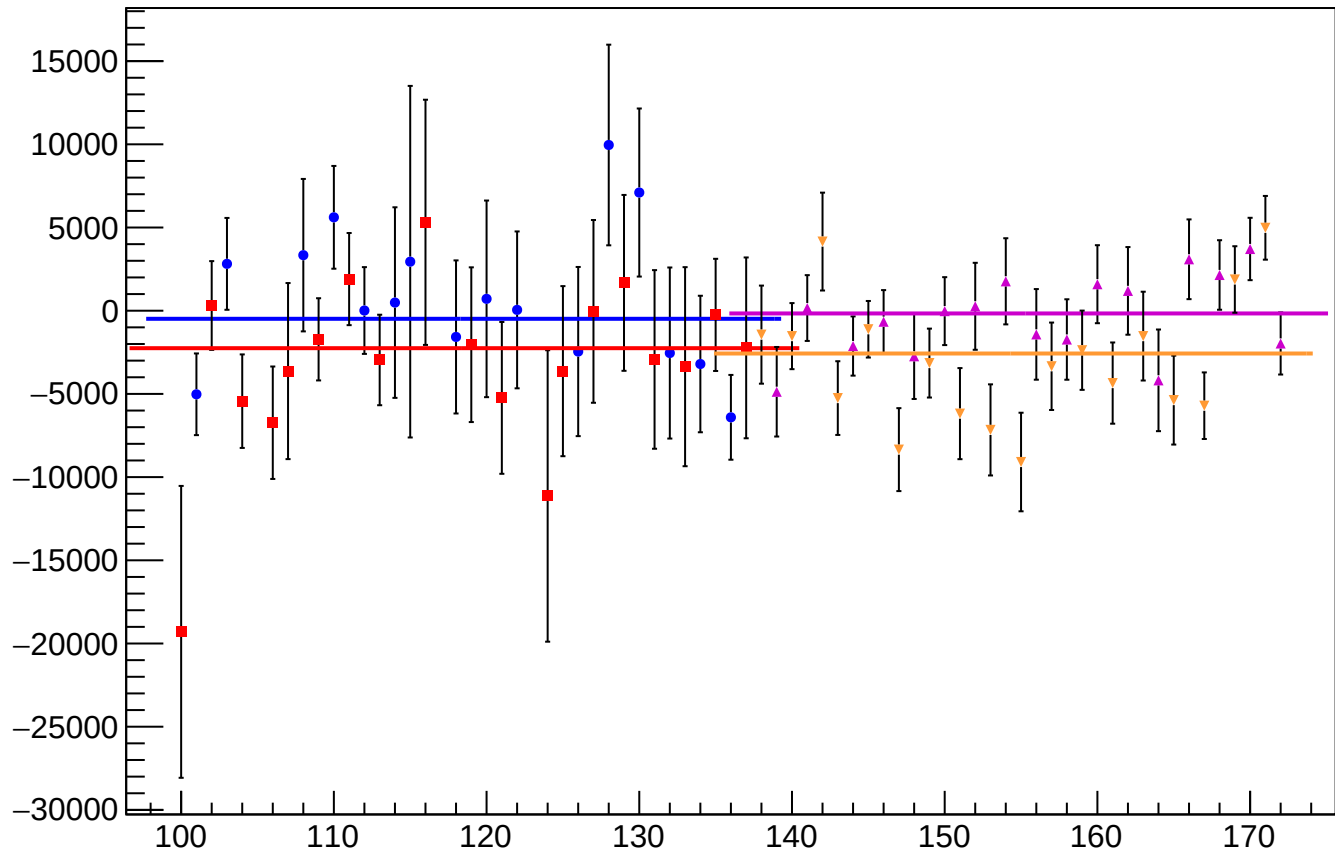
Left In: 253.962 $\pm$ 0.048 χ^2 /NDF:319483.5/16

+ sign 248.530 $\pm$ 0.038 χ^2 /NDF: 769218.1/33

All: 247.639 $\pm$ 0.027 χ^2 /NDF: 1630353.1/69

- sign 246.758 $\pm$ 0.038 χ^2 /NDF: 860063.4/35

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

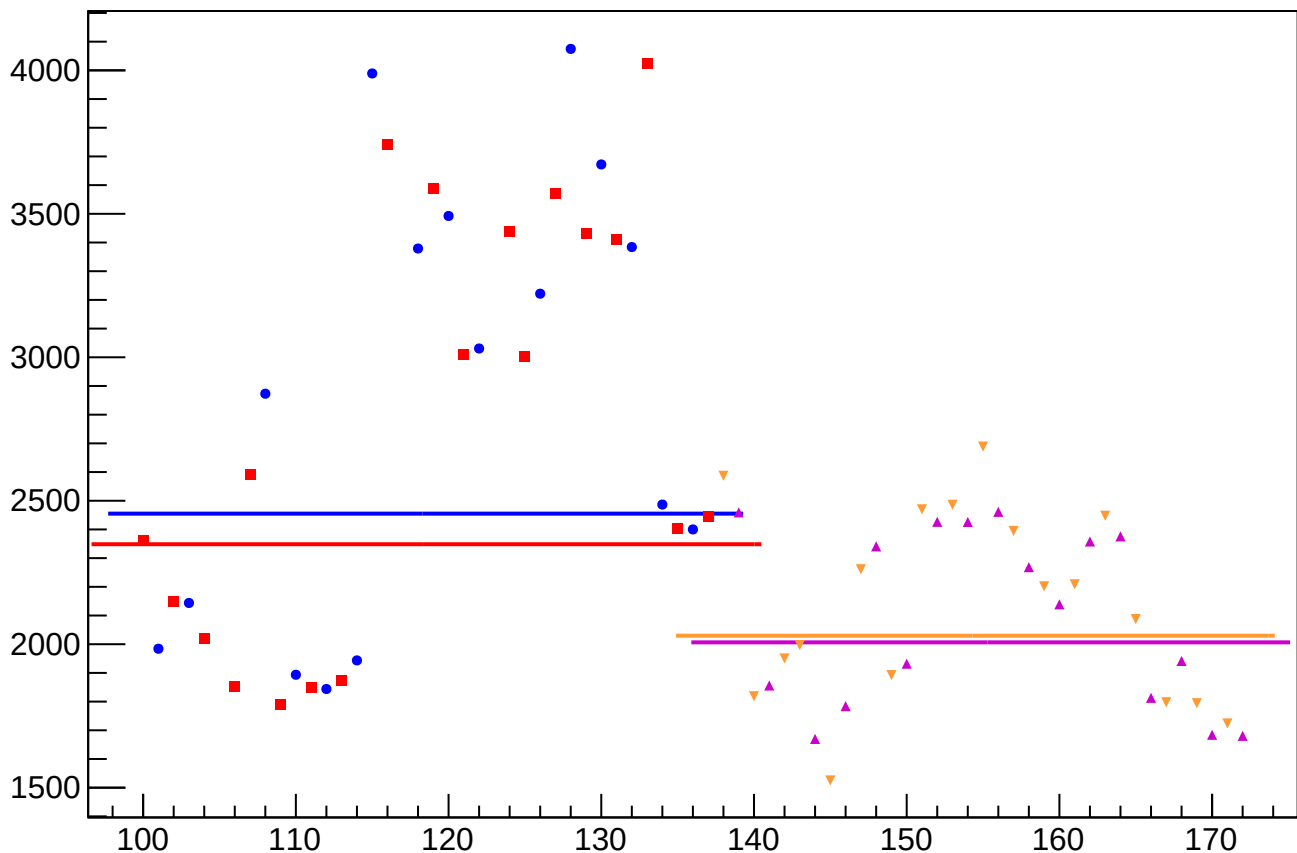
Left In: -164.341 ± 543.216 χ^2/NDF : 17.4/16

+ sign -2051.511 ± 473.198 χ^2/NDF : 72.3/33

All: -1376.676 ± 331.396 χ^2/NDF : 111.6/69

- sign -727.095 ± 464.259 χ^2/NDF : 35.3/35

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

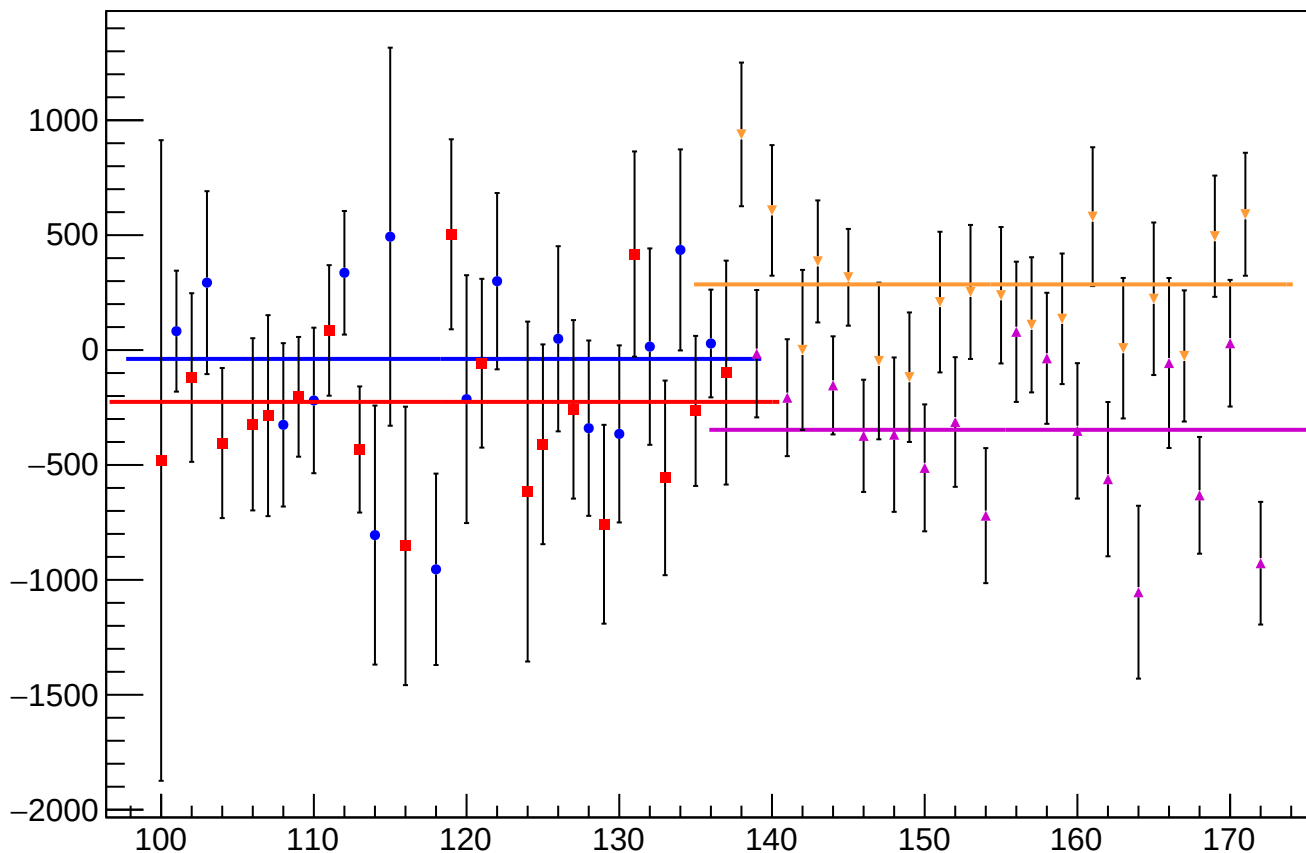
Left In: 2006.506+/-0.384 χ^2/NDF : 593673.6/16

+ sign 2135.807+/-0.335 χ^2/NDF : 1917202.0/33

All: 2116.892+/-0.234 χ^2/NDF : 3783200.3/69

- sign 2098.684+/-0.328 χ^2/NDF : 1859726.4/35

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

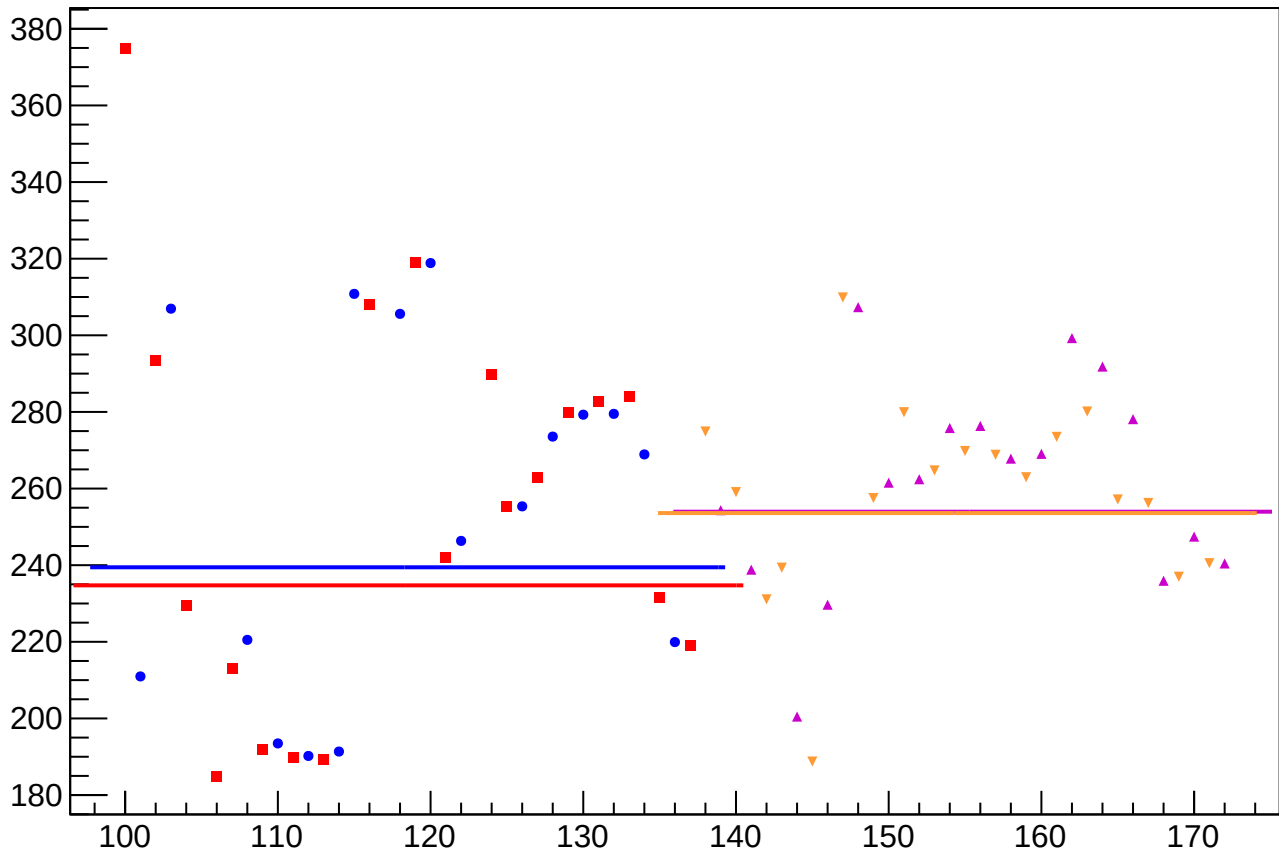
Left In: -347.020 ± 68.385 χ^2/NDF : 20.1/16

+ sign 169.475 ± 54.254 χ^2/NDF : 37.8/33

All: -67.069 ± 38.266 χ^2/NDF : 108.4/69

- sign -301.221 ± 53.979 χ^2/NDF : 32.7/35

cor_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400958.1/15

Left Out: 253.604 $\pm$ 0.048 χ^2 /NDF: 336957.5/17

Right Out: 234.733 $\pm$ 0.062 χ^2 /NDF: 485238.4/18

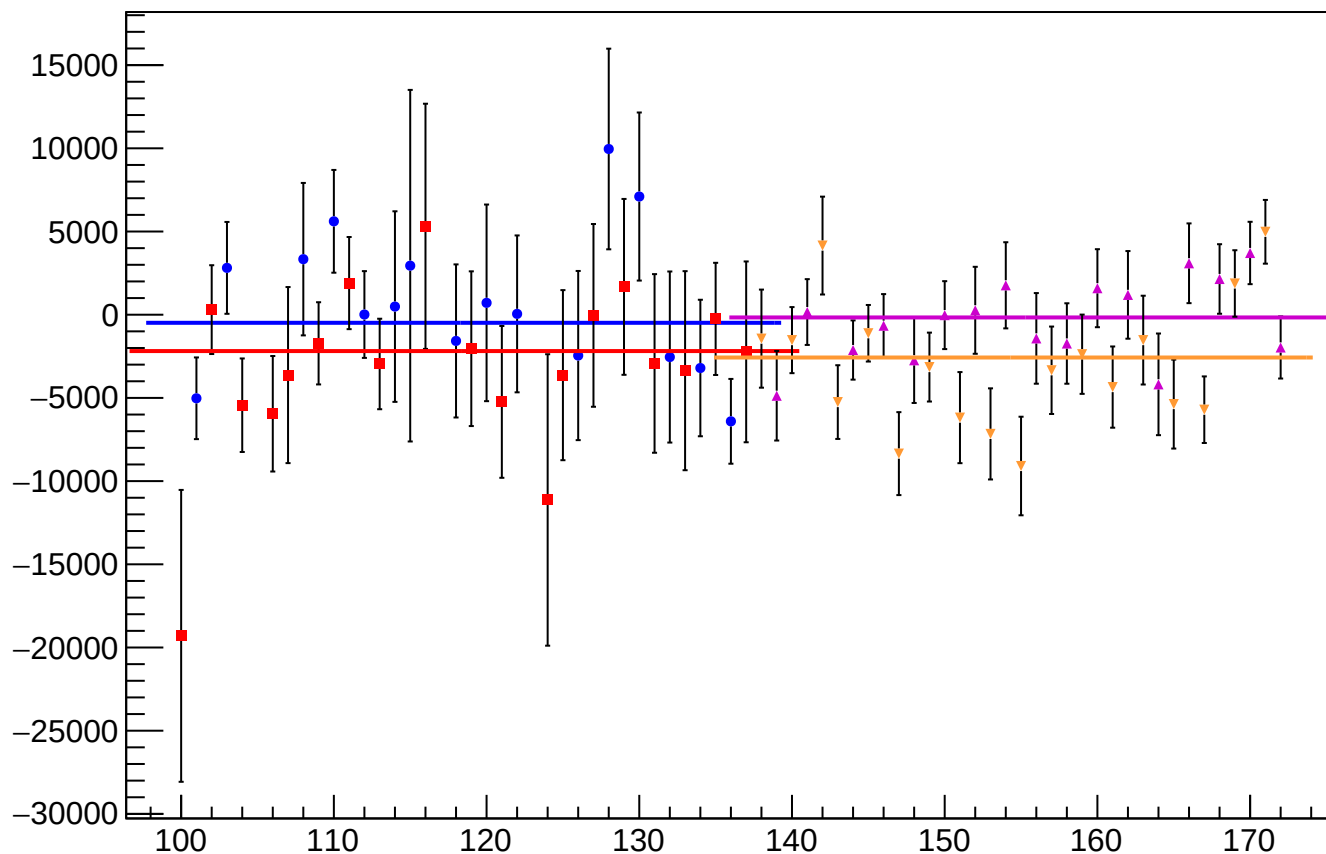
Left In: 253.962 $\pm$ 0.048 χ^2 /NDF: 319483.5/16

+ sign 248.530 $\pm$ 0.038 χ^2 /NDF: 769220.2/33

All: 247.617 $\pm$ 0.027 χ^2 /NDF: 1634673.6/69

- sign 246.714 $\pm$ 0.038 χ^2 /NDF: 864327.3/35

asym_sam4_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

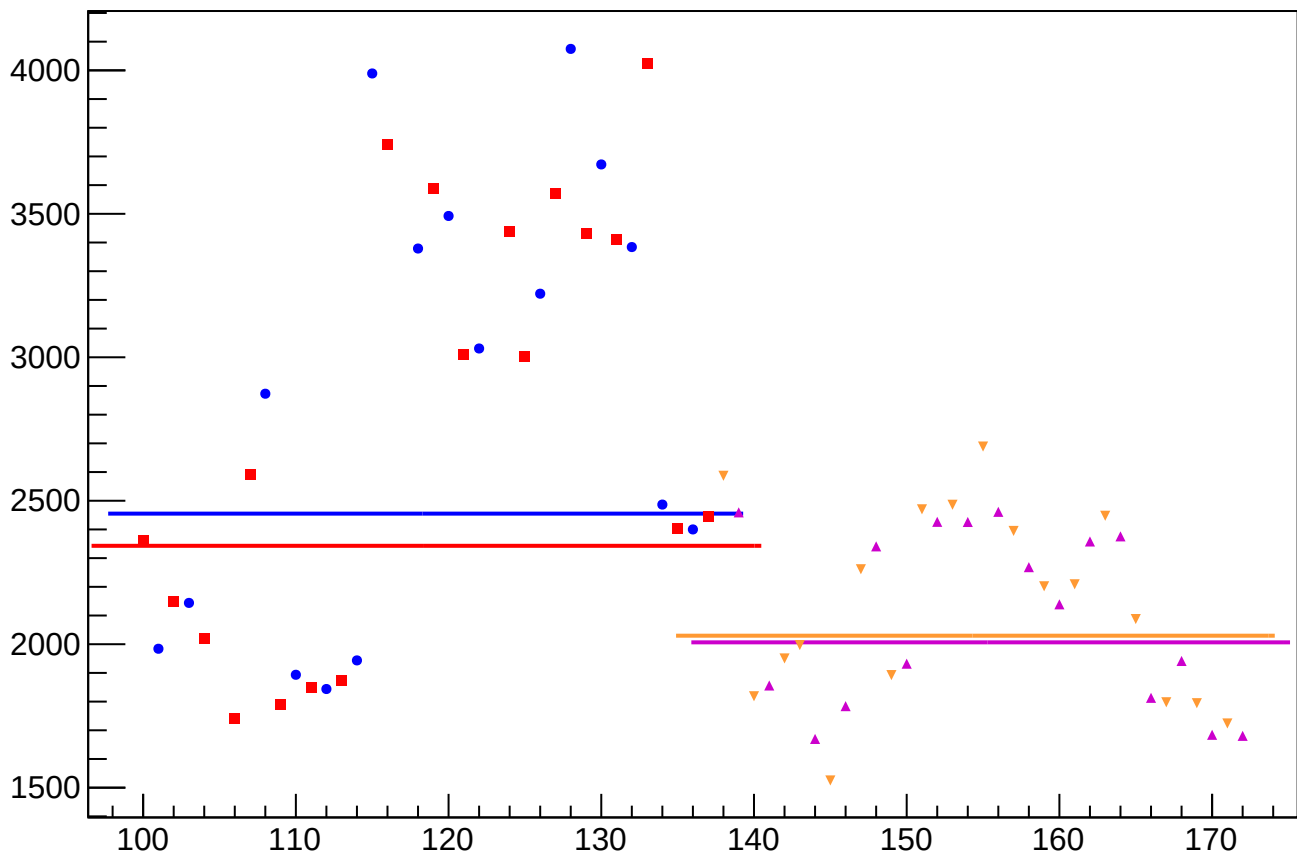
Left In: -164.358 ± 543.216 χ^2/NDF : 17.4/16

+ sign -2051.554 ± 473.199 χ^2/NDF : 72.3/33

All: -1367.066 ± 331.482 χ^2/NDF : 110.8/69

- sign -707.526 ± 464.496 χ^2/NDF : 34.4/35

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

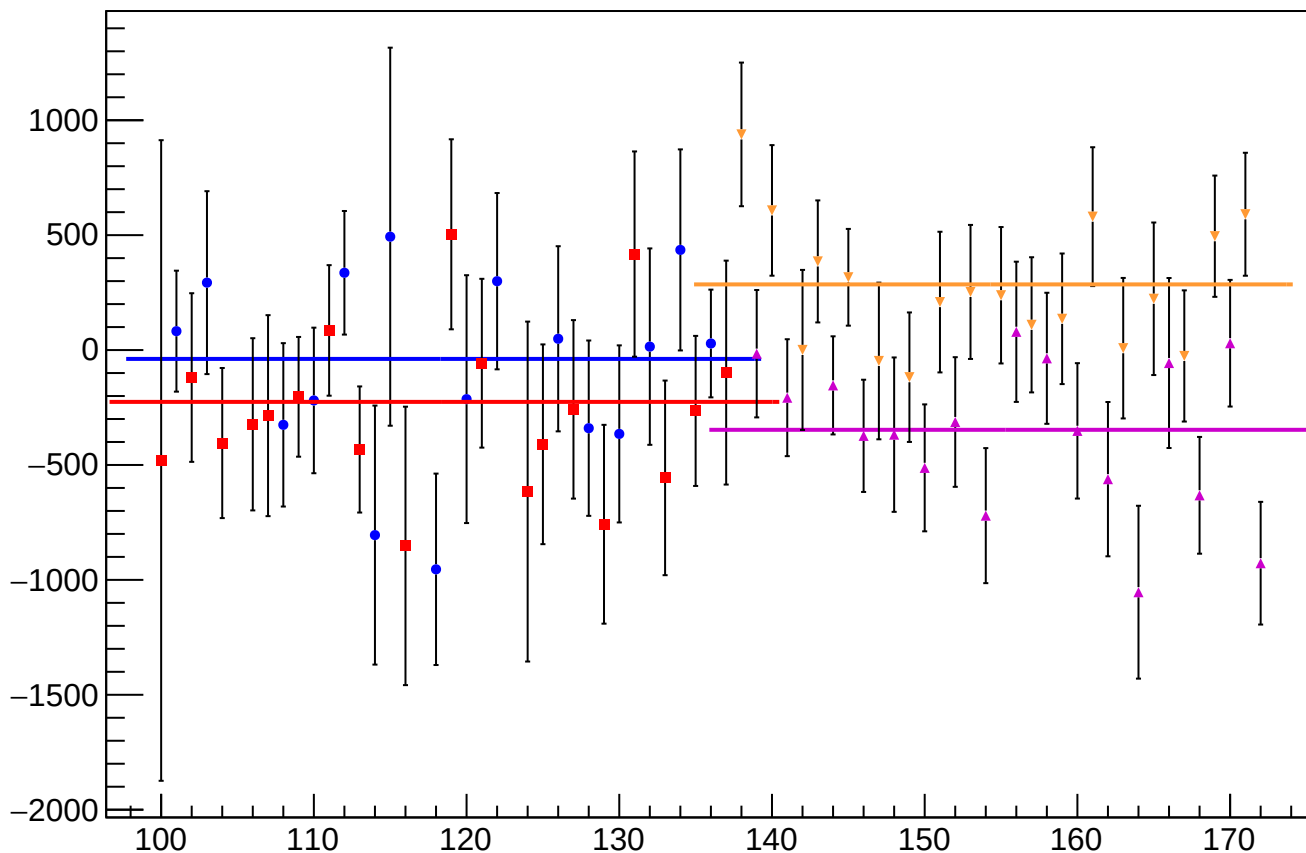
Left In: 2006.506+/-0.384 χ^2/NDF : 593673.0/16

+ sign 2135.812+/-0.335 χ^2/NDF : 1917204.0/33

All: 2116.022+/-0.234 χ^2/NDF : 3794387.3/69

- sign 2096.954+/-0.328 χ^2/NDF : 1870315.1/35

eigen_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

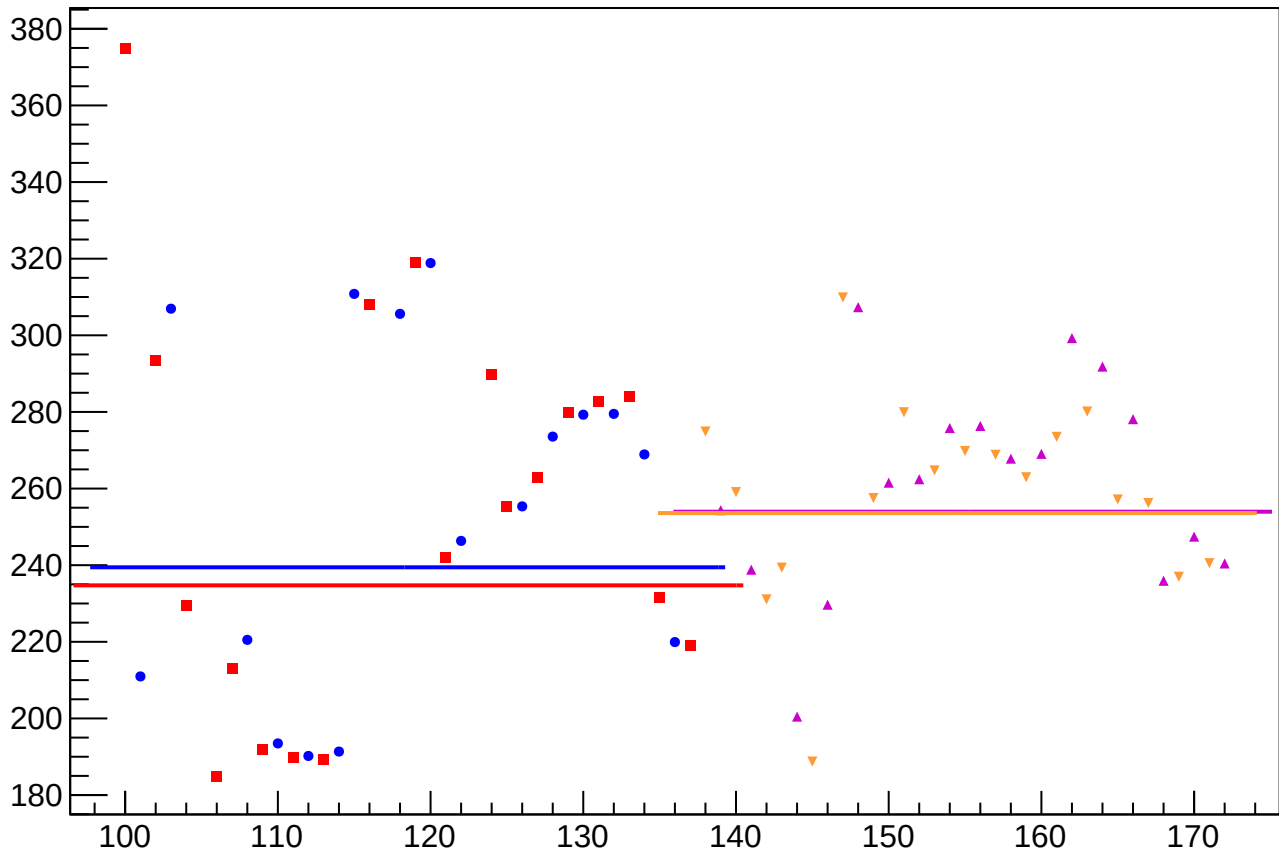
Left In: -347.020 ± 68.385 χ^2/NDF : 20.1/16

+ sign 169.475 ± 54.254 χ^2/NDF : 37.8/33

All: -67.069 ± 38.266 χ^2/NDF : 108.4/69

- sign -301.221 ± 53.979 χ^2/NDF : 32.7/35

eigen_cor_asym_sam4_rms vs Slug



Right In: 239.449 $\pm$ 0.064 χ^2 /NDF: 400958.1/15

Left Out: 253.604 $\pm$ 0.048 χ^2 /NDF:336957.5/17

Right Out: 234.733 $\pm$ 0.062 χ^2 /NDF: 485238.4/18

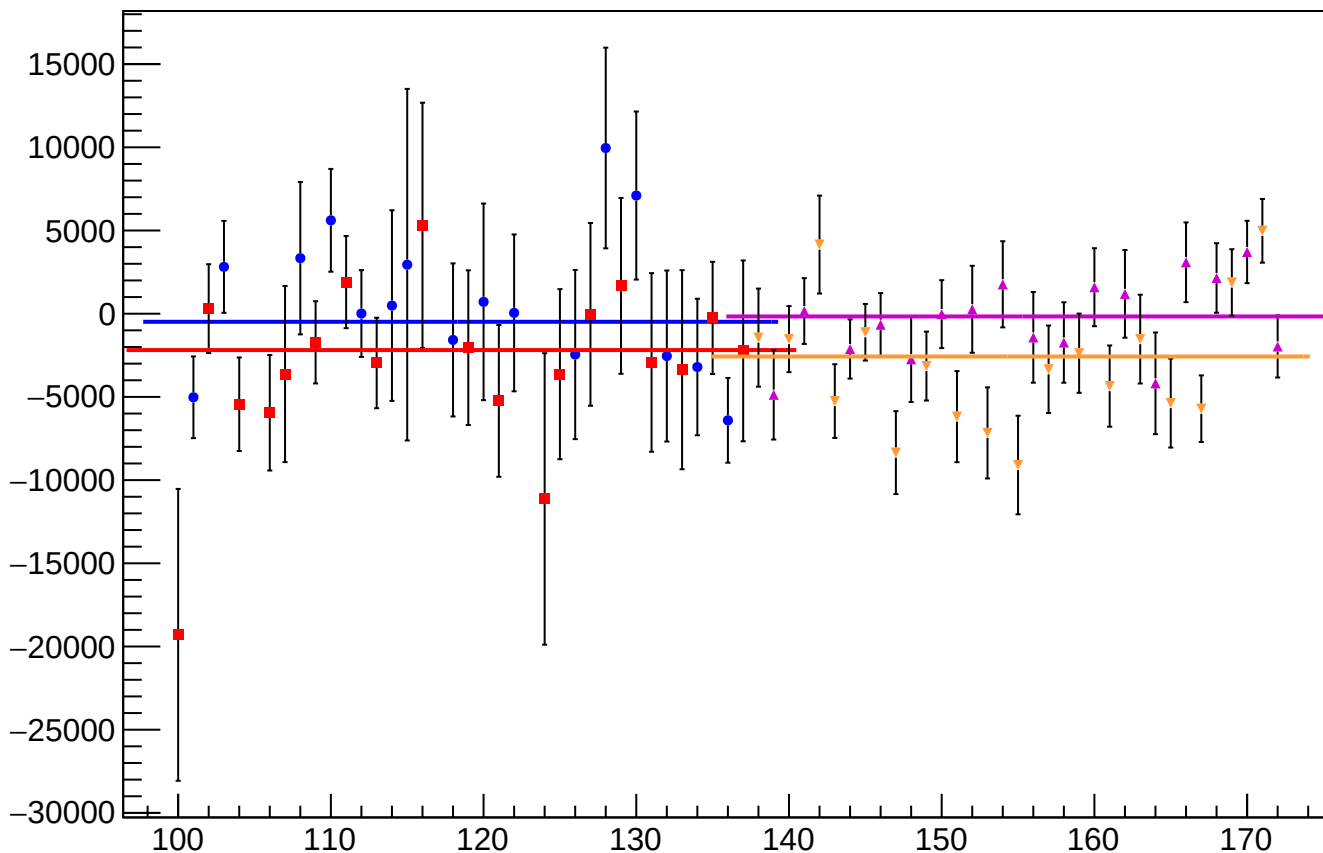
Left In: 253.962 $\pm$ 0.048 χ^2 /NDF:319483.5/16

+ sign 248.530 $\pm$ 0.038 χ^2 /NDF: 769220.2/33

All: 247.617 $\pm$ 0.027 χ^2 /NDF: 1634673.6/69

- sign 246.714 $\pm$ 0.038 χ^2 /NDF: 864327.3/35

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

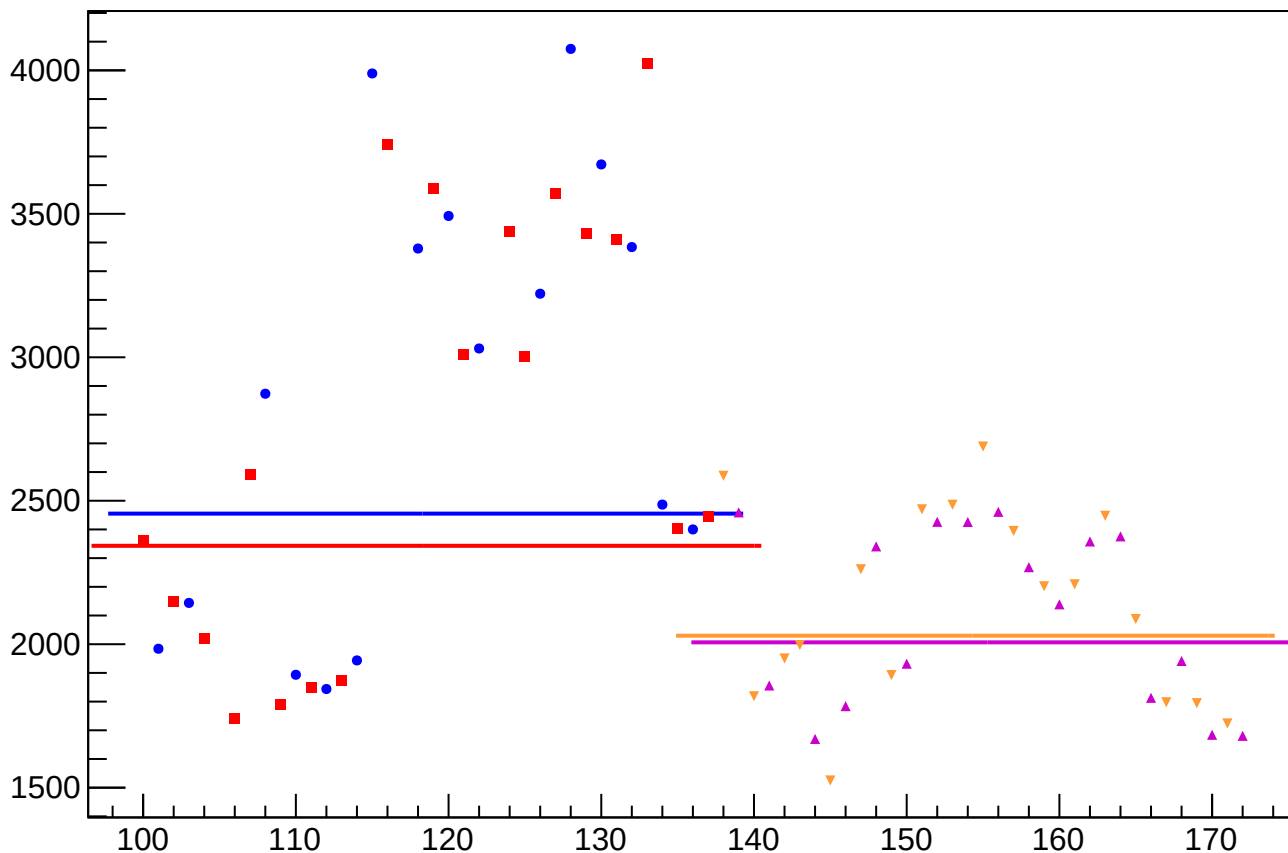
Left In: -164.358+/-543.216 χ^2/NDF : 17.4/16

+ sign -2051.554+/-473.199 χ^2/NDF : 72.3/33

All: -1367.066+/-331.482 χ^2/NDF : 110.8/69

- sign -707.526+/-464.496 χ^2/NDF : 34.4/35

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2455.127 $\pm$ 0.670 χ^2 /NDF: 894358.3/15

Left Out: 2029.693 $\pm$ 0.386 χ^2 /NDF: 720186.1/17

Right Out: 2342.955 $\pm$ 0.633 χ^2 /NDF: 1070387.8/18

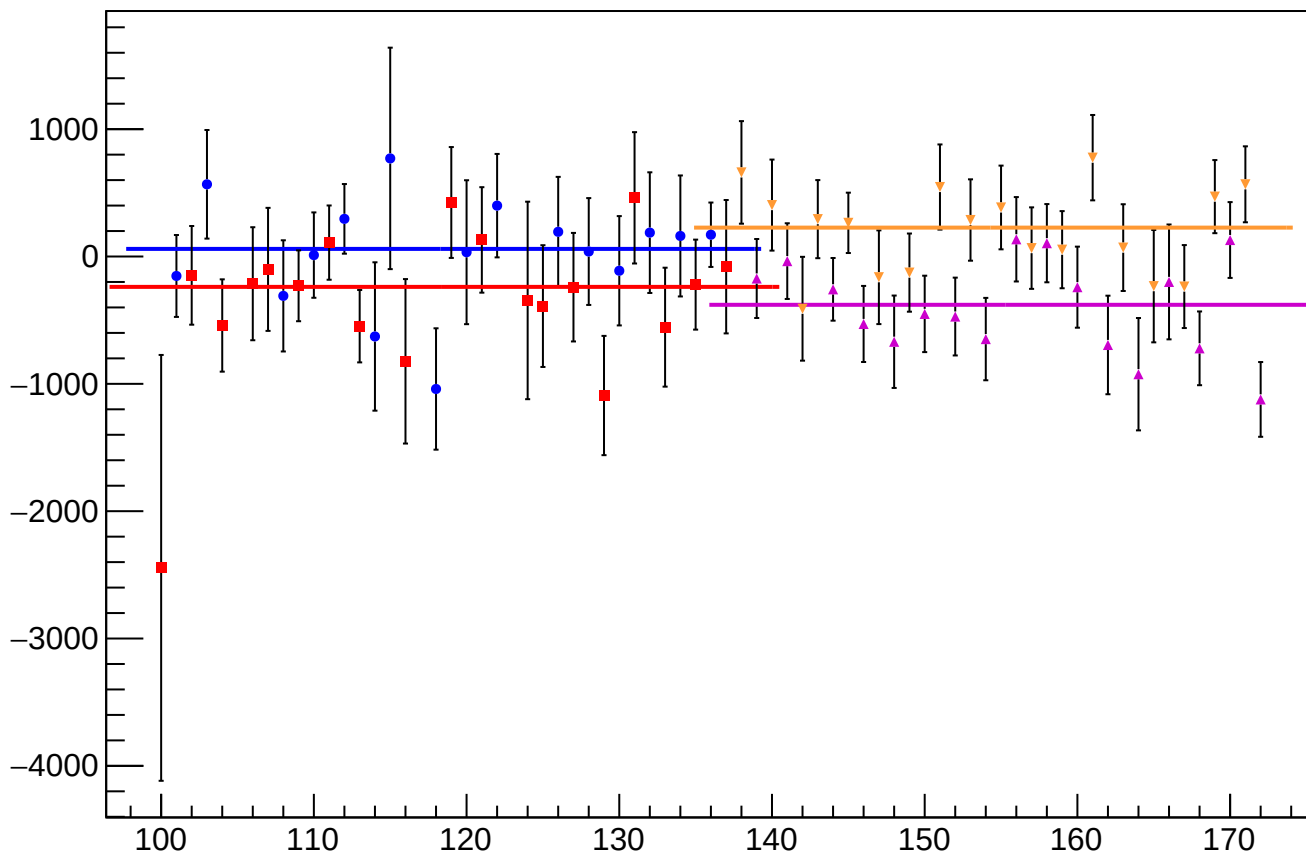
Left In: 2006.506 $\pm$ 0.384 χ^2 /NDF: 593673.0/16

+ sign 2135.812 $\pm$ 0.335 χ^2 /NDF: 1917204.0/33

All: 2116.022 $\pm$ 0.234 χ^2 /NDF: 3794387.3/69

- sign 2096.954 $\pm$ 0.328 χ^2 /NDF: 1870315.1/35

dit_asym_sam4_mean vs Slug



Right In: 59.728 ± 99.230 $\chi^2/\text{NDF}: 12.0/15$

Left Out: 226.864 ± 76.571 $\chi^2/\text{NDF}: 16.1/17$

Right Out: -238.516 ± 95.062 $\chi^2/\text{NDF}: 14.9/18$

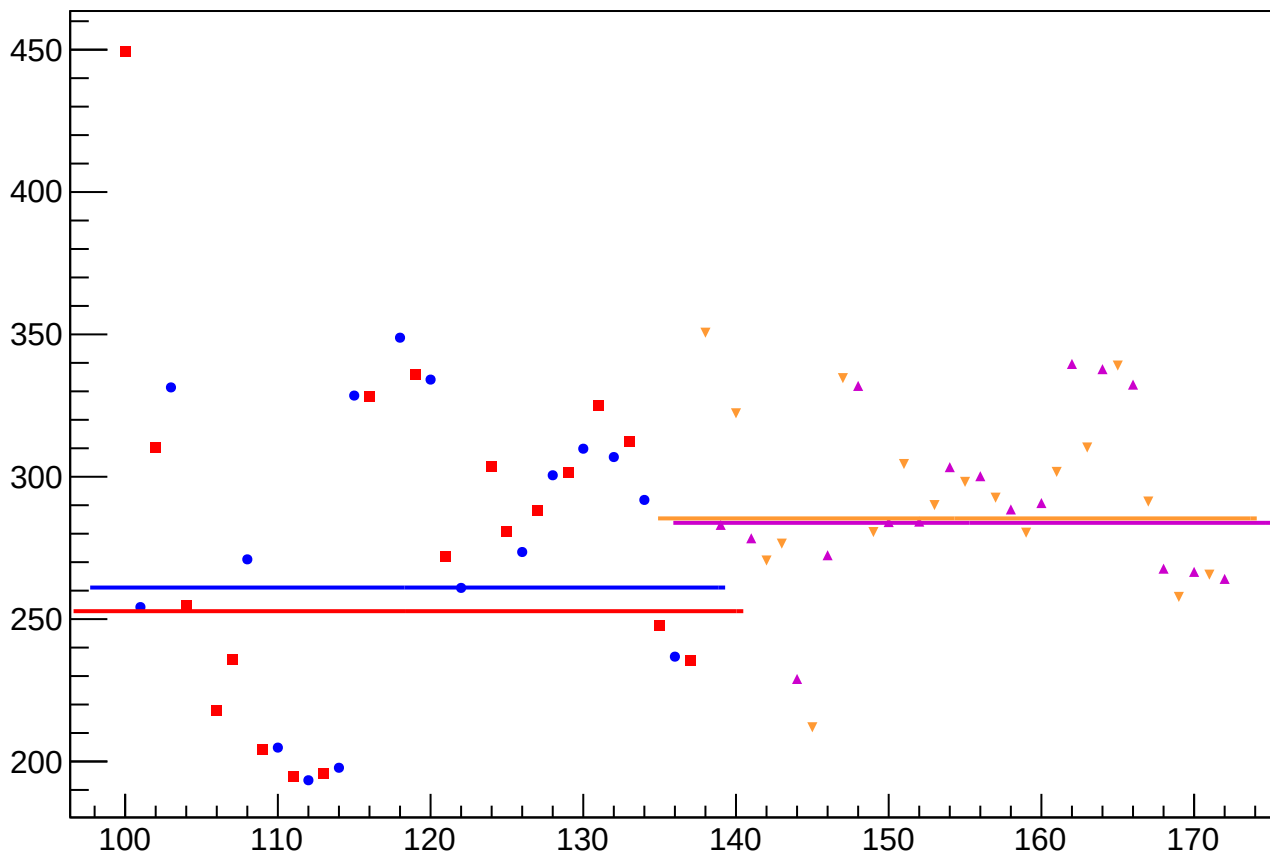
Left In: -379.336 ± 76.805 $\chi^2/\text{NDF}: 21.9/16$

+ sign 164.486 ± 60.621 $\chi^2/\text{NDF}: 29.9/33$

All: -83.181 ± 42.551 $\chi^2/\text{NDF}: 101.0/69$

- sign -323.719 ± 59.742 $\chi^2/\text{NDF}: 38.2/35$

dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462662.2/15

Left Out: 285.374 $\pm$ 0.054 χ^2 /NDF: 390616.4/17

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537290.6/18

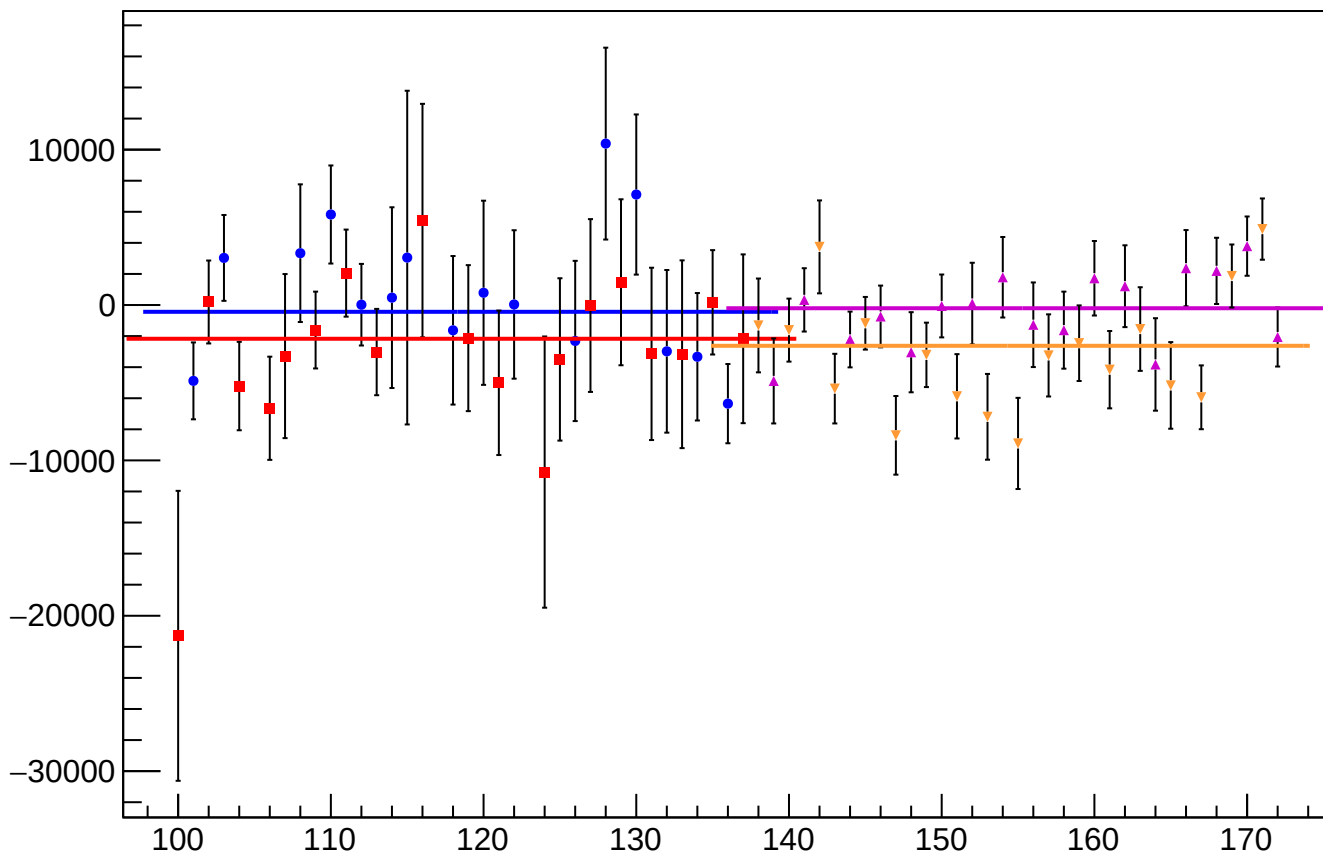
Left In: 283.817 $\pm$ 0.054 χ^2 /NDF: 268196.1/16

+ sign 276.310 $\pm$ 0.043 χ^2 /NDF: 928361.7/33

All: 273.901 $\pm$ 0.030 χ^2 /NDF: 1869010.2/69

- sign 271.562 $\pm$ 0.042 χ^2 /NDF: 934423.5/35

asym_sam4_dit_correction_mean vs Slug



Right In: -436.732 ± 955.134 $\chi^2/\text{NDF}: 21.2/15$

Left Out: -2624.801 ± 553.693 $\chi^2/\text{NDF}: 44.7/17$

Right Out: -2172.091 ± 901.102 $\chi^2/\text{NDF}: 14.0/18$

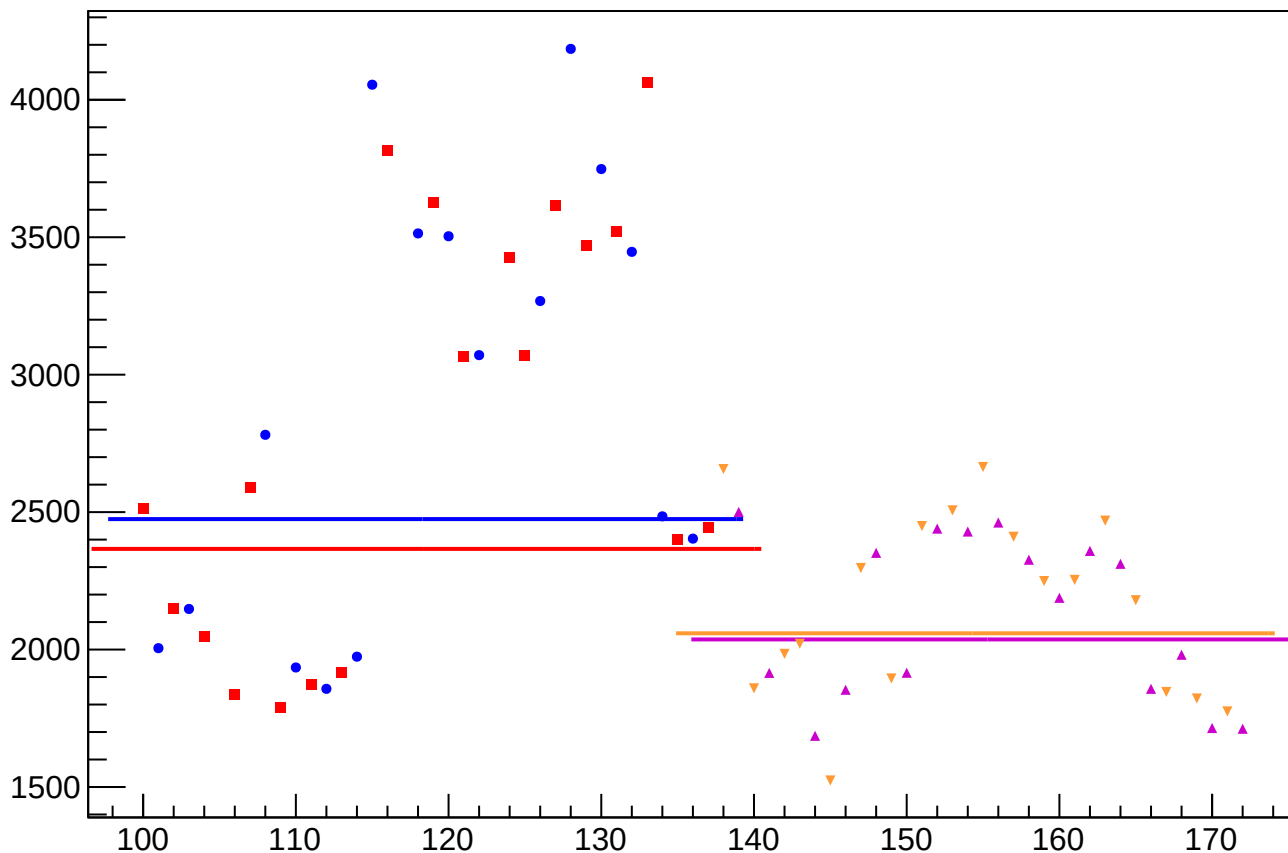
Left In: -207.371 ± 551.065 $\chi^2/\text{NDF}: 16.7/16$

+ sign -2074.441 ± 479.024 $\chi^2/\text{NDF}: 69.8/33$

All: -1395.803 ± 335.530 $\chi^2/\text{NDF}: 108.0/69$

- sign -742.151 ± 470.123 $\chi^2/\text{NDF}: 34.2/35$

asym_sam4_dit_correction_rms vs Slug



Right In: 2474.622 $\pm$ 0.675 χ^2/NDF : 916250.9/15

Left Out: 2059.153 $\pm$ 0.392 χ^2/NDF : 708549.4/17

Right Out: 2366.221 $\pm$ 0.637 χ^2/NDF : 1077175.3/18

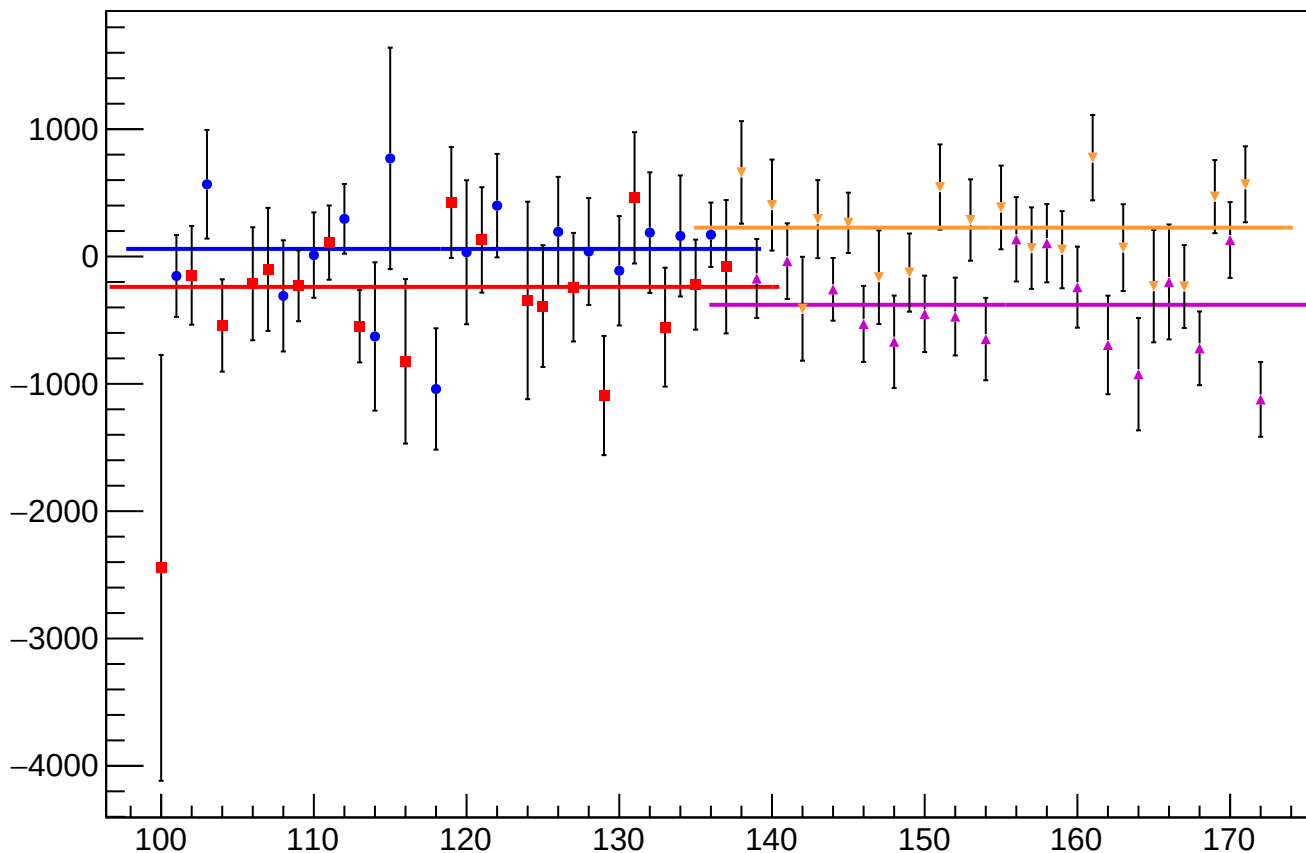
Left In: 2036.800 $\pm$ 0.390 χ^2/NDF : 546633.5/16

+ sign 2163.655 $\pm$ 0.339 χ^2/NDF : 1908039.8/33

All: 2144.712 $\pm$ 0.237 χ^2/NDF : 3732526.4/69

- sign 2126.465 $\pm$ 0.332 χ^2/NDF : 1818346.1/35

eigen_dit_asym_sam4_mean vs Slug



Right In: 59.734 ± 99.230 $\chi^2/\text{NDF}: 12.0/15$

Left Out: 226.869 ± 76.572 $\chi^2/\text{NDF}: 16.1/17$

Right Out: -238.515 ± 95.062 $\chi^2/\text{NDF}: 14.9/18$

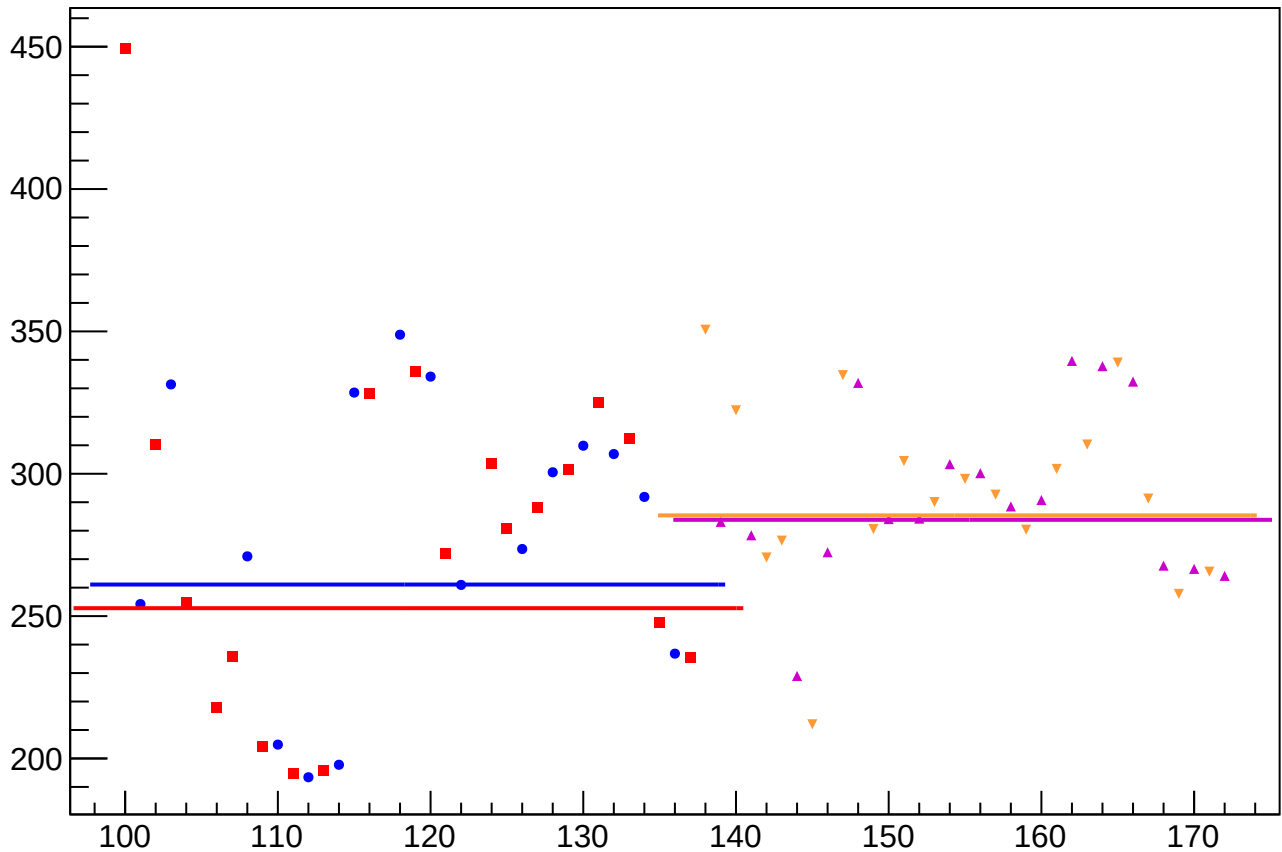
Left In: -379.338 ± 76.805 $\chi^2/\text{NDF}: 21.9/16$

+ sign 164.491 ± 60.621 $\chi^2/\text{NDF}: 29.9/33$

All: -83.179 ± 42.552 $\chi^2/\text{NDF}: 101.0/69$

- sign -323.719 ± 59.742 $\chi^2/\text{NDF}: 38.2/35$

eigen_dit_asym_sam4_rms vs Slug



Right In: 261.089 $\pm$ 0.070 χ^2 /NDF: 462665.3/15

Left Out: 285.374 $\pm$ 0.054 χ^2 /NDF: 390613.7/17

Right Out: 252.787 $\pm$ 0.067 χ^2 /NDF: 537293.8/18

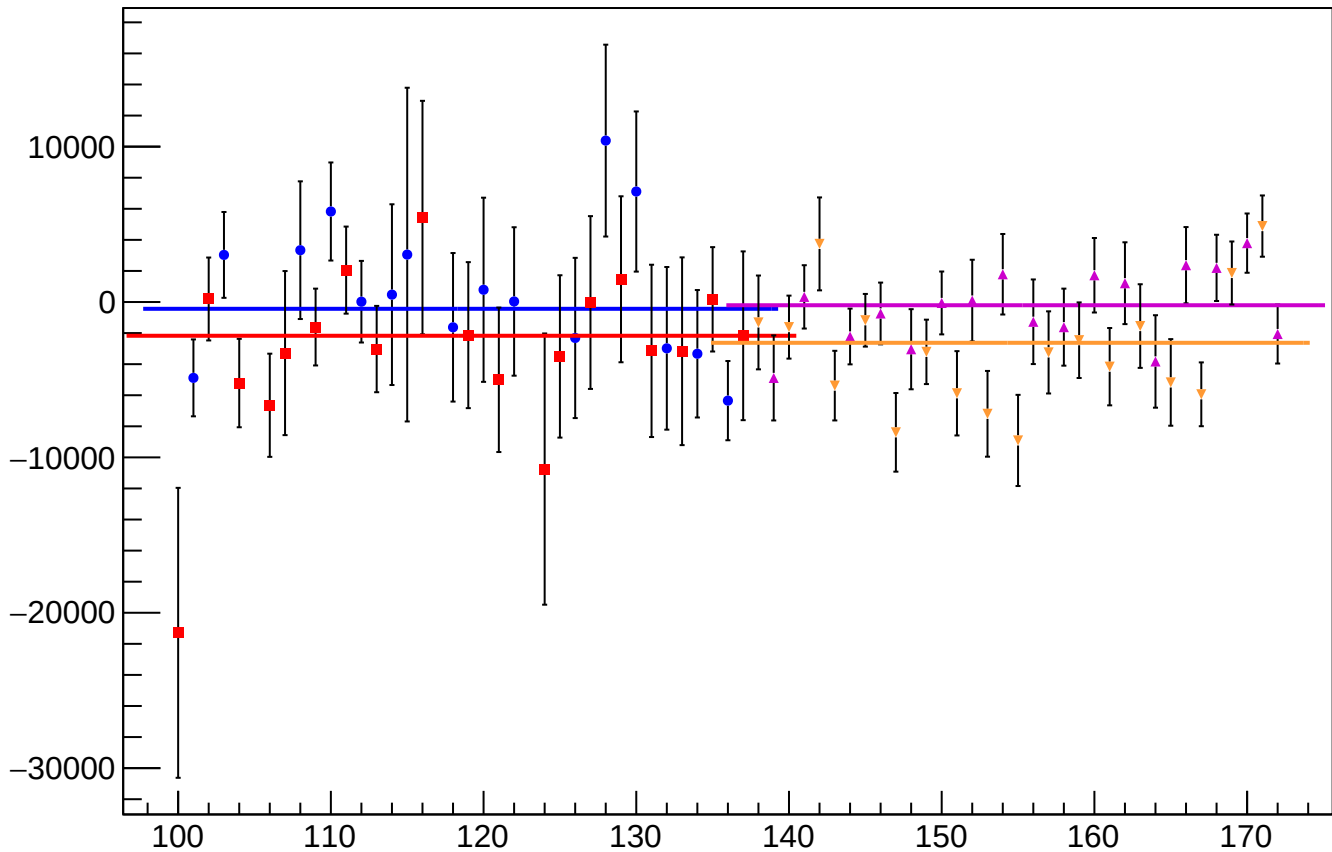
Left In: 283.818 $\pm$ 0.054 χ^2 /NDF: 268195.2/16

+ sign 276.310 $\pm$ 0.043 χ^2 /NDF: 928364.2/33

All: 273.902 $\pm$ 0.030 χ^2 /NDF: 1869018.2/69

- sign 271.562 $\pm$ 0.042 χ^2 /NDF: 934428.8/35

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -436.731 ± 955.133 $\chi^2/\text{NDF}: 21.2/15$

Left Out: -2624.796 ± 553.692 $\chi^2/\text{NDF}: 44.7/17$

Right Out: -2172.089 ± 901.101 $\chi^2/\text{NDF}: 14.0/18$

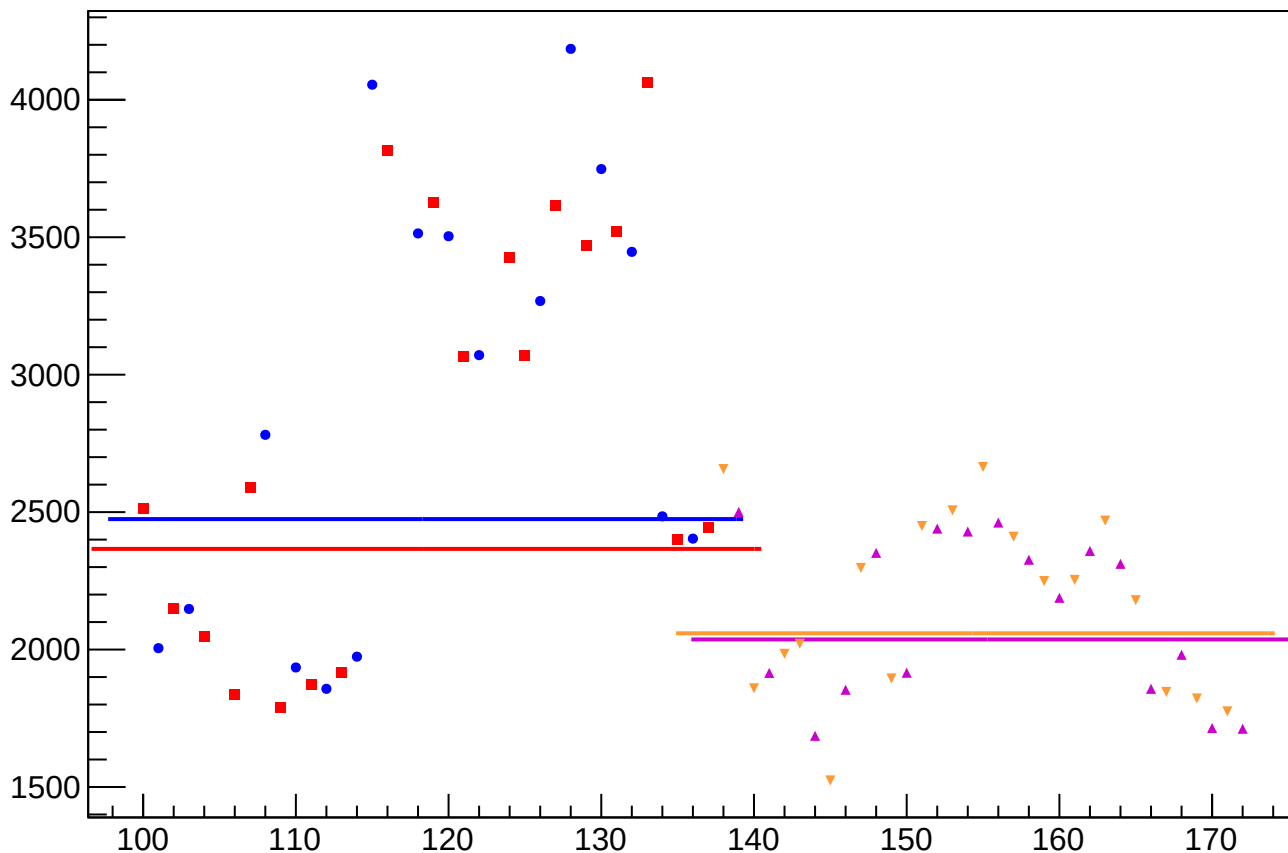
Left In: -207.368 ± 551.064 $\chi^2/\text{NDF}: 16.7/16$

+ sign -2074.438 ± 479.023 $\chi^2/\text{NDF}: 69.8/33$

All: -1395.800 ± 335.529 $\chi^2/\text{NDF}: 108.0/69$

- sign -742.148 ± 470.122 $\chi^2/\text{NDF}: 34.2/35$

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2474.620 $\pm$ 0.675 χ^2/NDF : 916254.1/15

Left Out: 2059.151 $\pm$ 0.392 χ^2/NDF : 708554.0/17

Right Out: 2366.219 $\pm$ 0.637 χ^2/NDF : 1077177.7/18

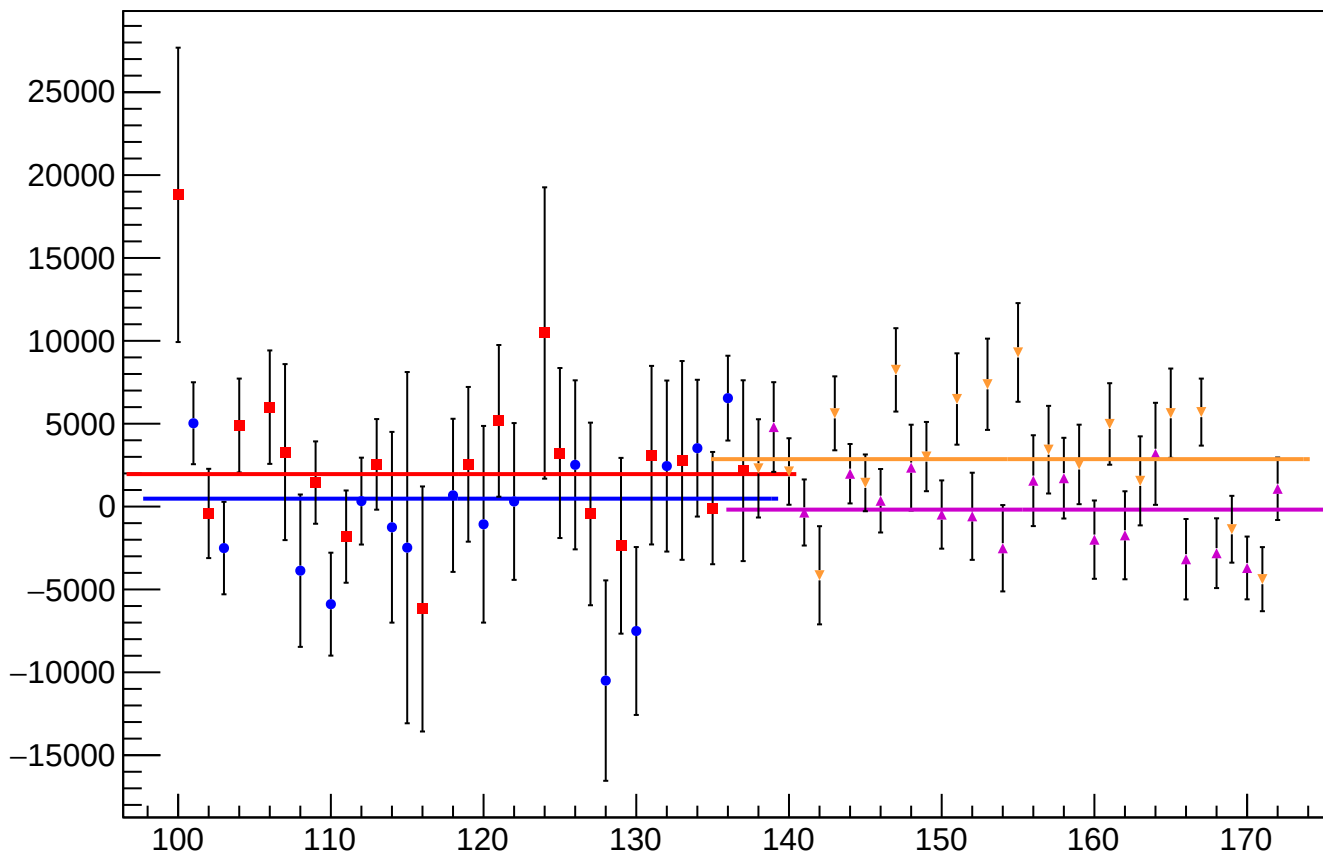
Left In: 2036.798 $\pm$ 0.390 χ^2/NDF : 546633.5/16

+ sign 2163.653 $\pm$ 0.339 χ^2/NDF : 1908049.4/33

All: 2144.709 $\pm$ 0.237 χ^2/NDF : 3732539.2/69

- sign 2126.463 $\pm$ 0.332 χ^2/NDF : 1818349.5/35

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

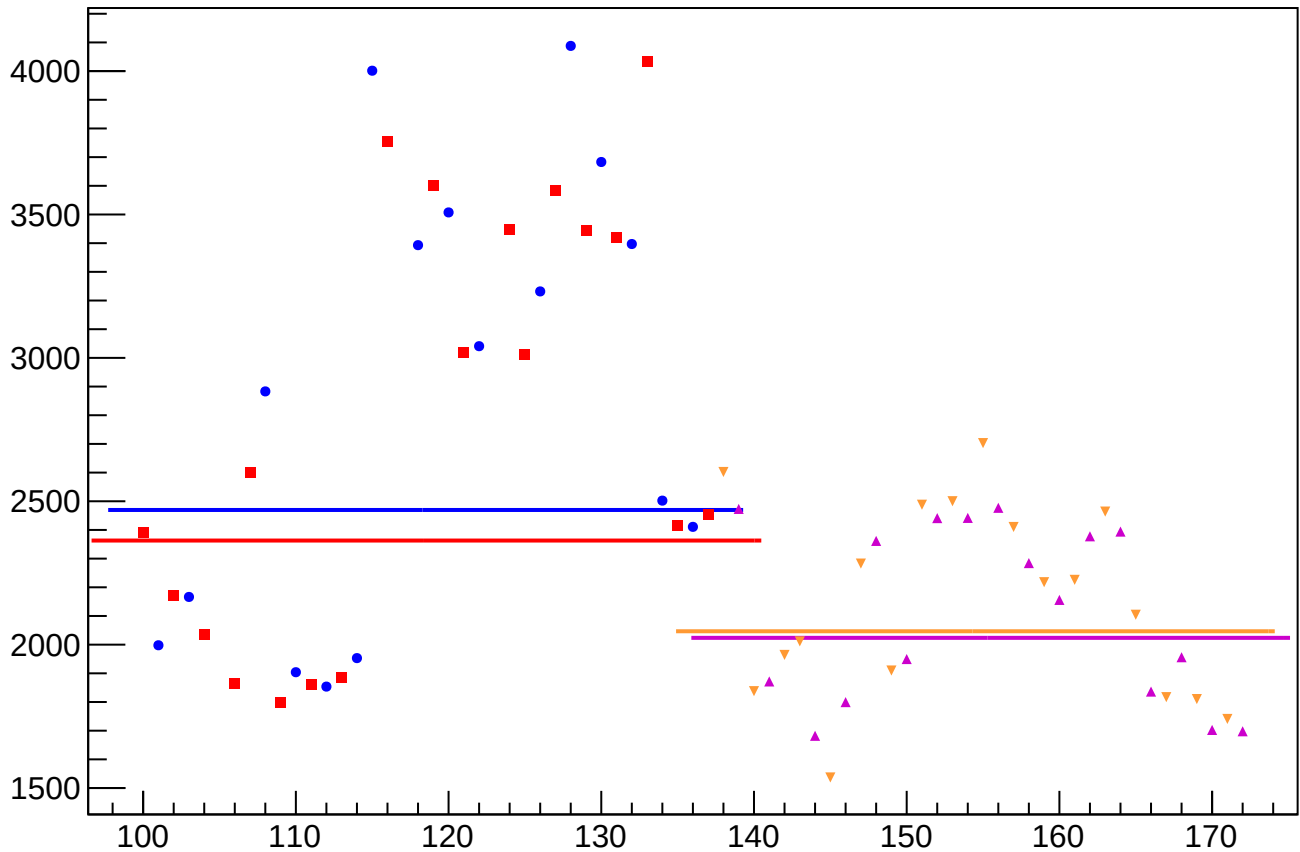
Left In: -183.733 ± 547.773 χ^2/NDF : 16.9/16

+ sign 2265.077 ± 476.751 χ^2/NDF : 71.0/33

All: 1312.918 ± 333.933 χ^2/NDF : 112.7/69

- sign 395.875 ± 467.877 χ^2/NDF : 33.8/35

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

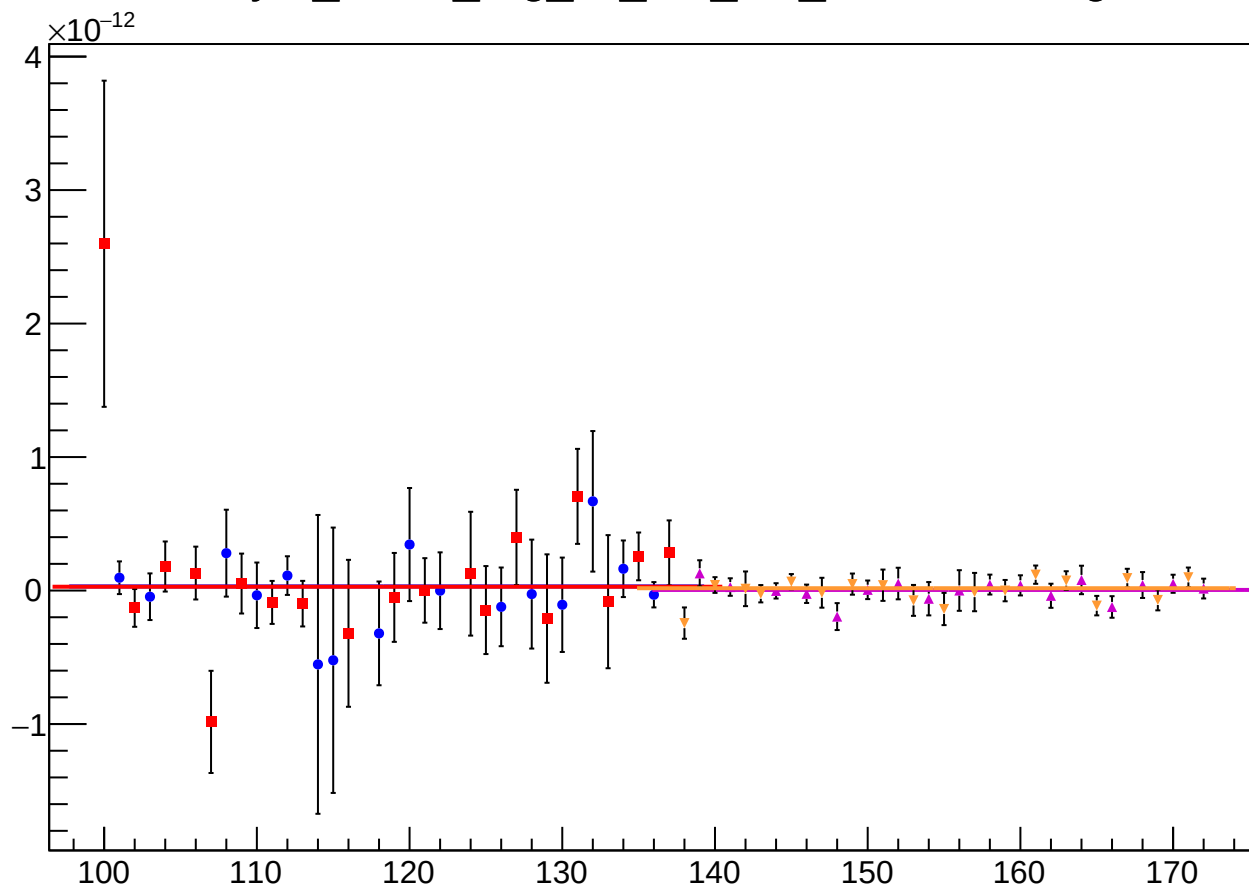
Left In: 2023.734+/-0.387 χ^2/NDF : 585208.9/16

+ sign 2152.582+/-0.337 χ^2/NDF : 1892757.1/33

All: 2133.692+/-0.236 χ^2/NDF : 3735018.4/69

- sign 2115.498+/-0.331 χ^2/NDF : 1836097.2/35

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/18

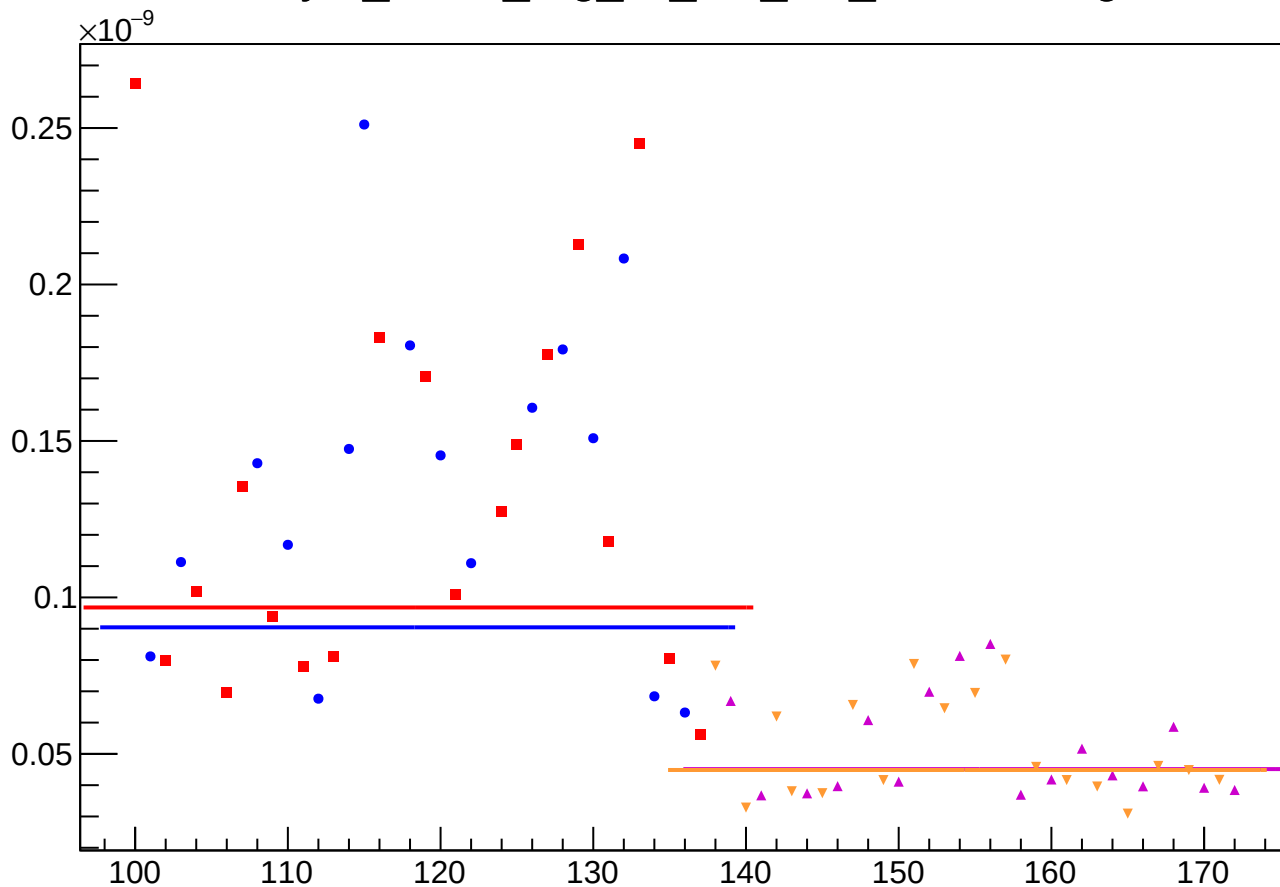
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 59.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.9/35

asym_sam4_reg_vs_cor_diff_rms vs Slug



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

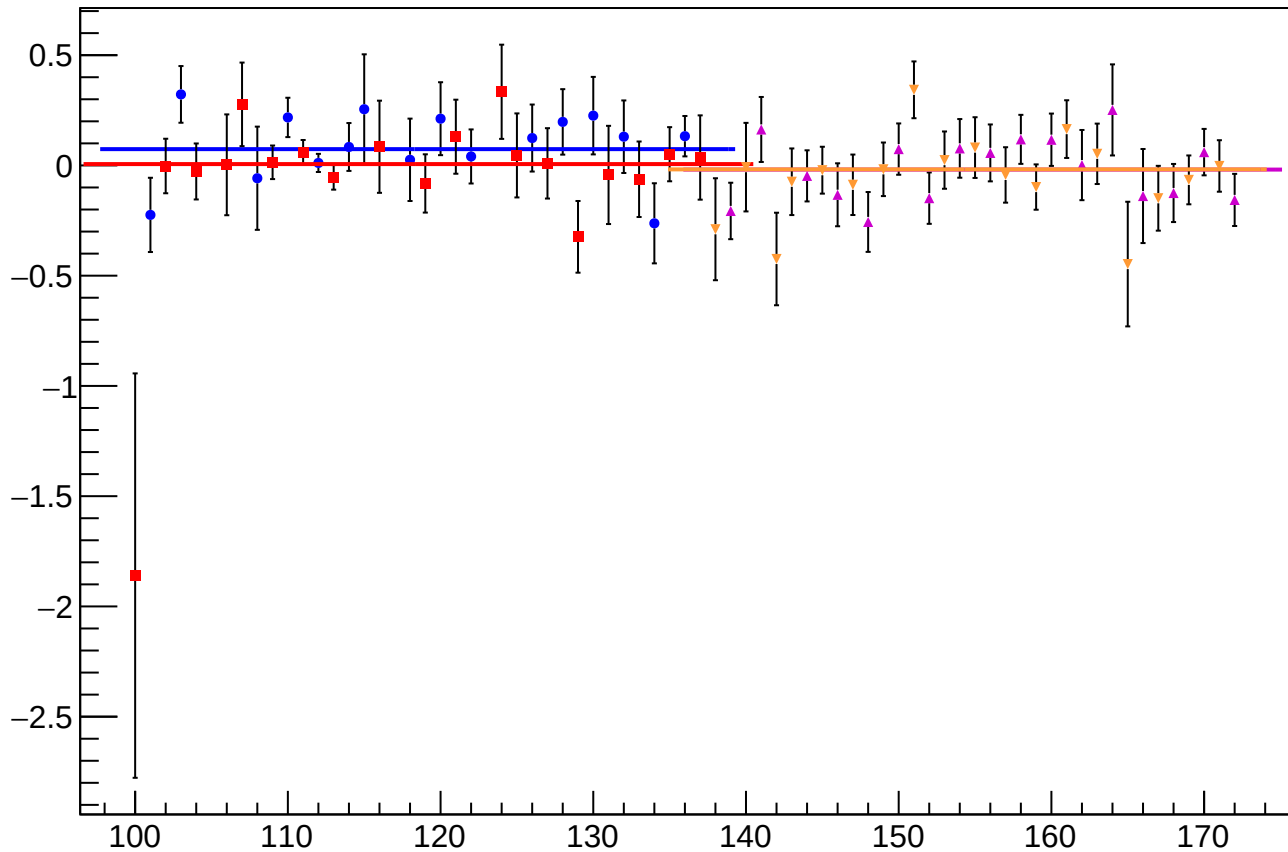
Left In: 0.000+/-0.000 χ^2/NDF : 747246.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 3187102.3/33

All: 0.000+/-0.000 χ^2/NDF : 6303565.2/69

- sign 0.000+/-0.000 χ^2/NDF : 3114650.5/35

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

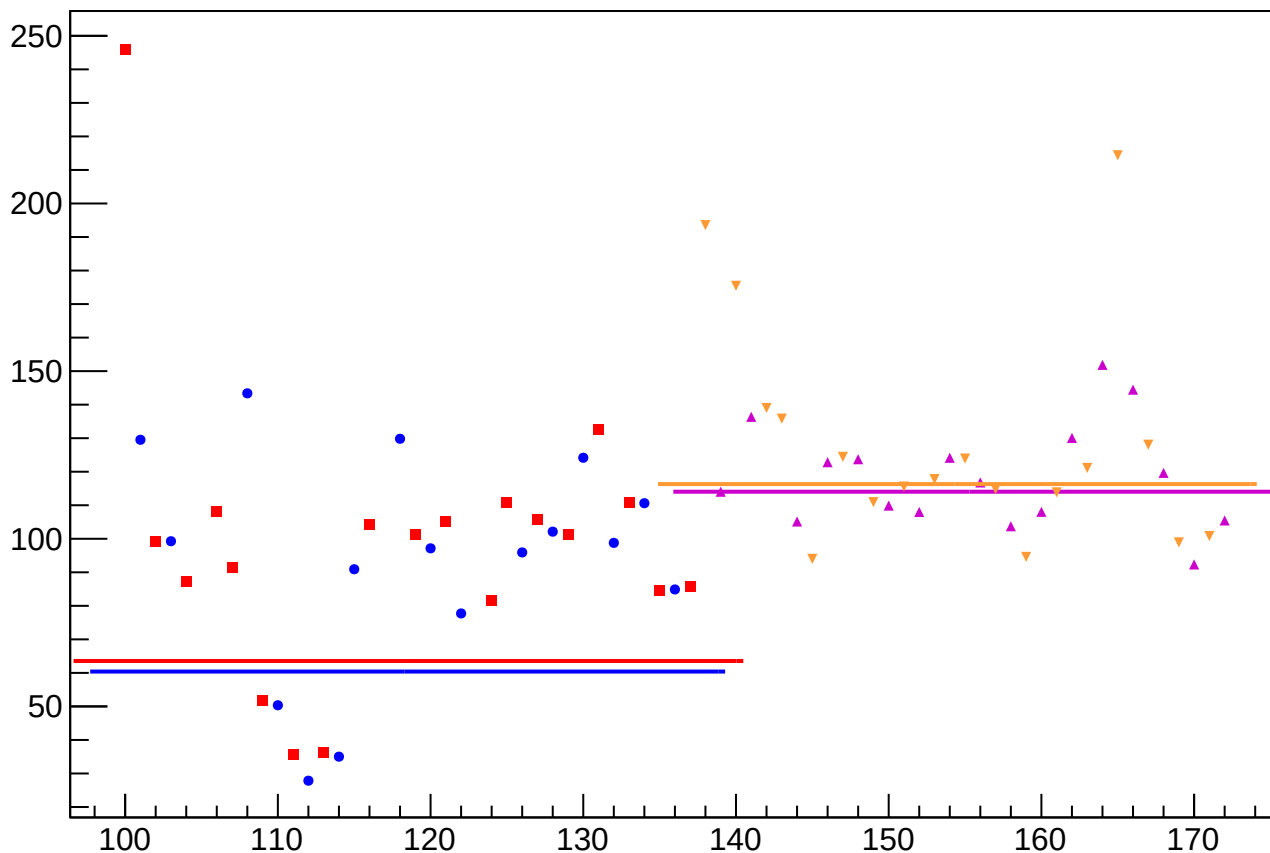
Left In: -0.019 ± 0.032 χ^2/NDF : 17.6/16

+ sign 0.036 ± 0.021 χ^2/NDF : 43.9/33

All: 0.015 ± 0.015 χ^2/NDF : 80.2/69

- sign -0.004 ± 0.020 χ^2/NDF : 34.4/35

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

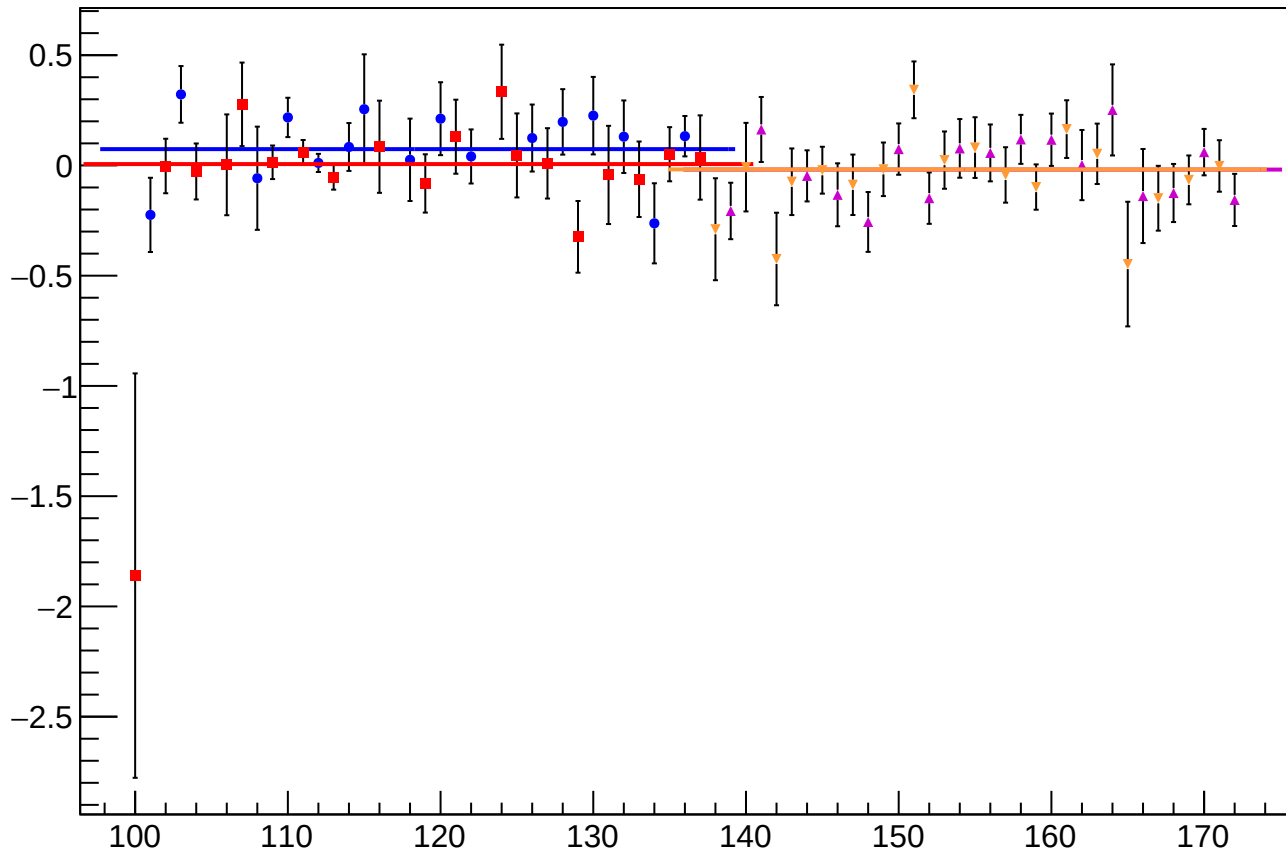
Left In: 114.033+/-0.022 χ^2/NDF : 345441.6/16

+ sign 83.645+/-0.015 χ^2/NDF : 8090089.8/33

All: 84.200+/-0.010 χ^2/NDF : 14064793.4/69

- sign 84.744+/-0.014 χ^2/NDF : 5971844.4/35

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 $\chi^2/\text{NDF}: 19.0/15$

Left Out: -0.018 ± 0.032 $\chi^2/\text{NDF}: 20.2/17$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

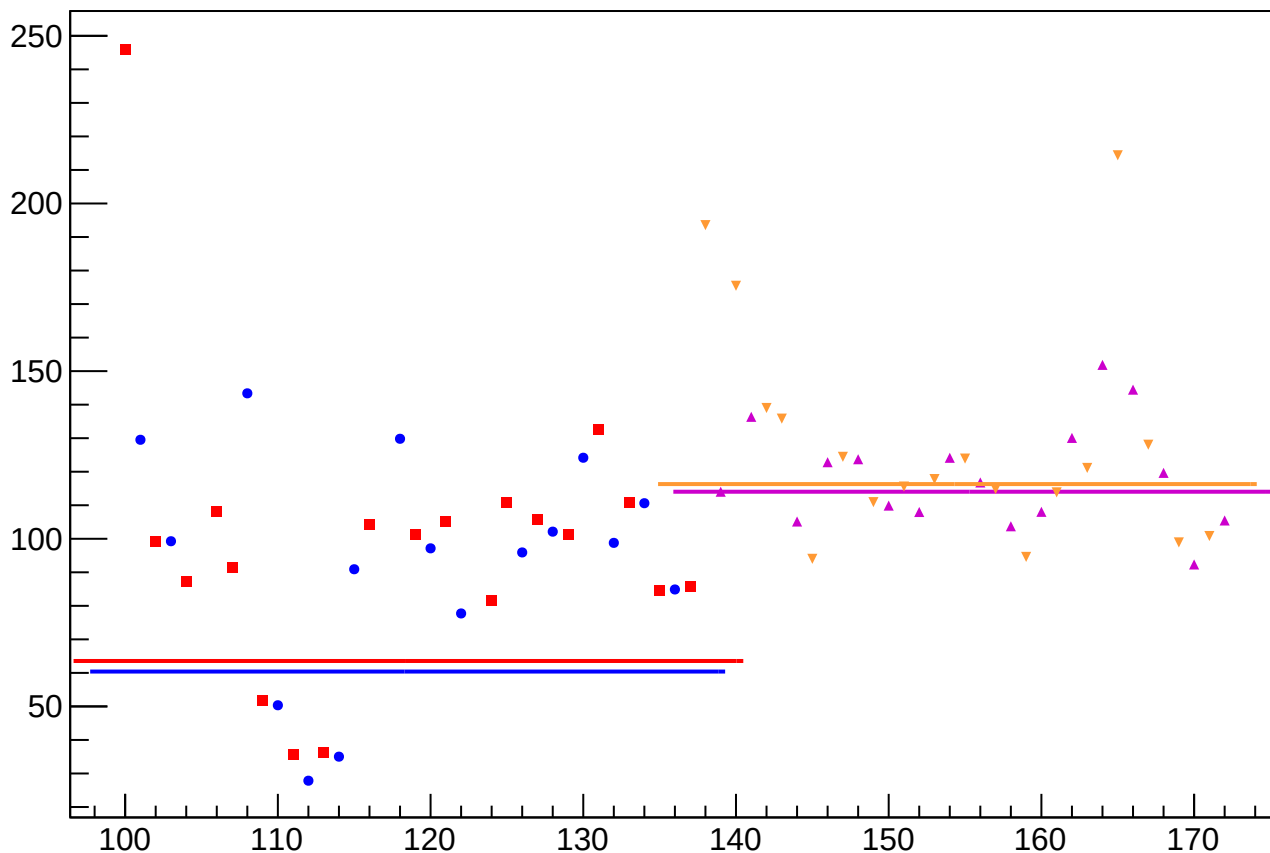
Left In: -0.019 ± 0.032 $\chi^2/\text{NDF}: 17.6/16$

+ sign 0.036 ± 0.021 $\chi^2/\text{NDF}: 43.9/33$

All: 0.015 ± 0.015 $\chi^2/\text{NDF}: 80.2/69$

- sign -0.004 ± 0.020 $\chi^2/\text{NDF}: 34.4/35$

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

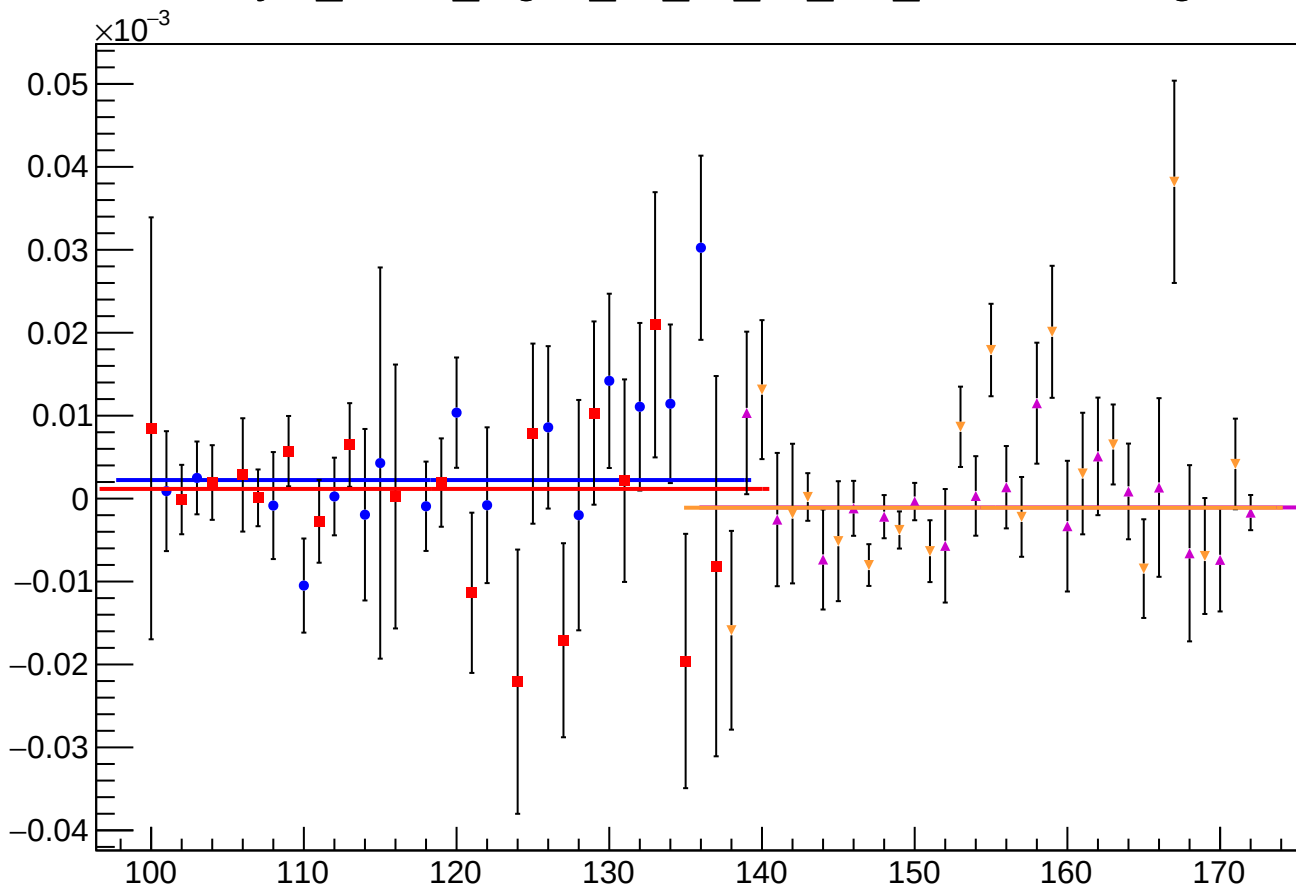
Left In: 114.033+/-0.022 χ^2/NDF : 345441.6/16

+ sign 83.645+/-0.015 χ^2/NDF : 8090089.8/33

All: 84.200+/-0.010 χ^2/NDF : 14064793.4/69

- sign 84.744+/-0.014 χ^2/NDF : 5971844.4/35

asym_sam4_eigen_dit_vs_dit_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 : 55.1/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.1/18

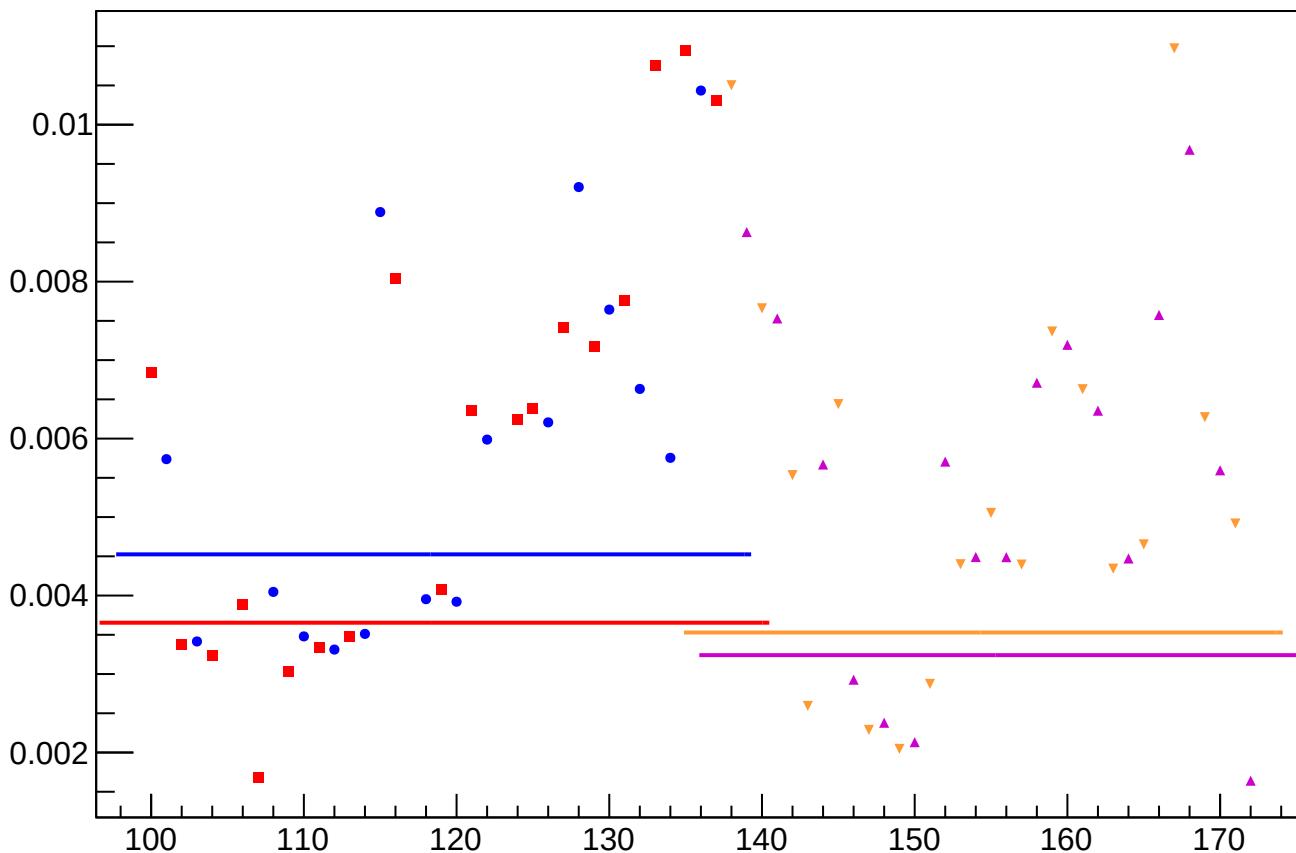
Left In: -0.000 ± 0.000 χ^2/NDF : 8.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 75.1/33

All: -0.000 ± 0.000 χ^2/NDF : 99.6/69

- sign -0.000 ± 0.000 χ^2/NDF : 24.5/35

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1721333.3/15

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 5649624.1/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2933246.9/18

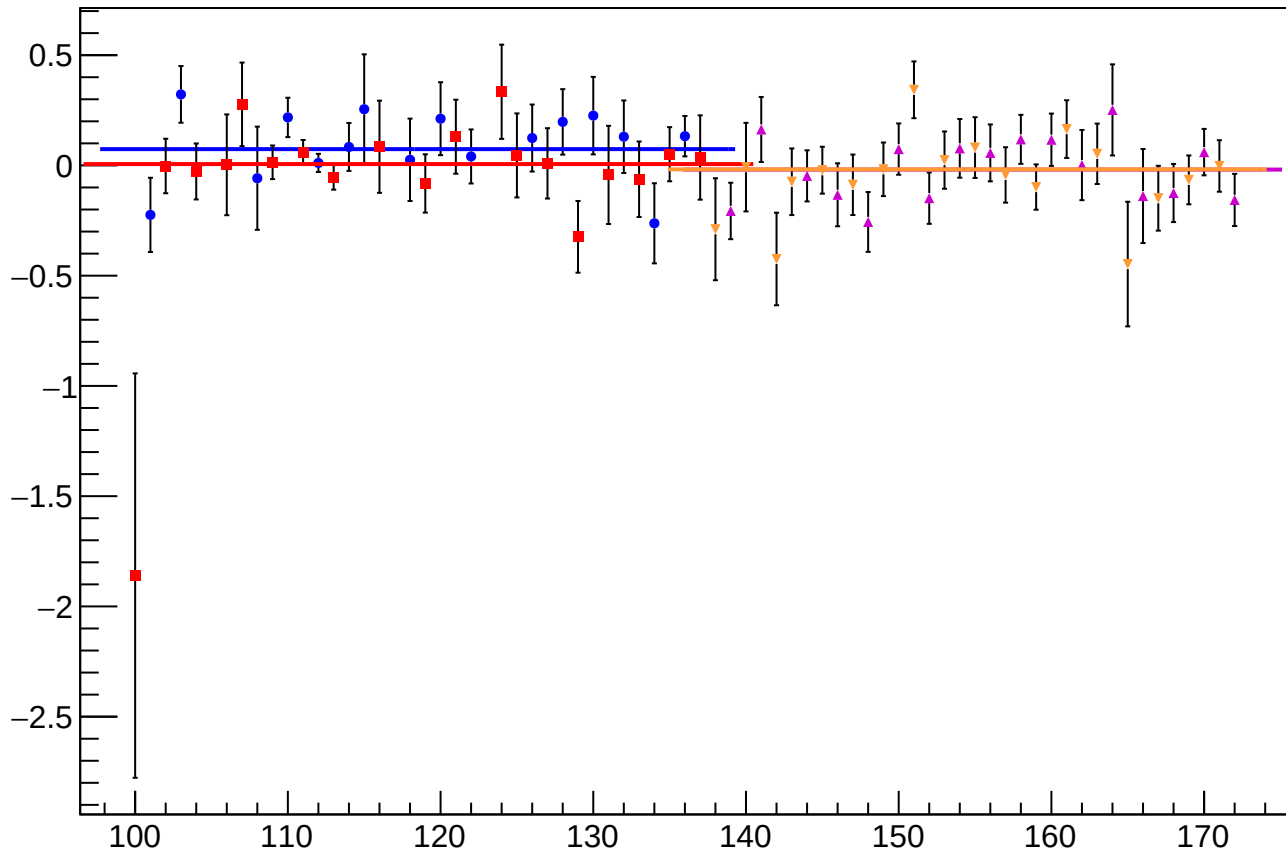
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 6660466.1/16

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7820990.3/33

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 17734412.1/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9696974.6/35

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 $\chi^2/\text{NDF}: 19.0/15$

Left Out: -0.018 ± 0.032 $\chi^2/\text{NDF}: 20.2/17$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

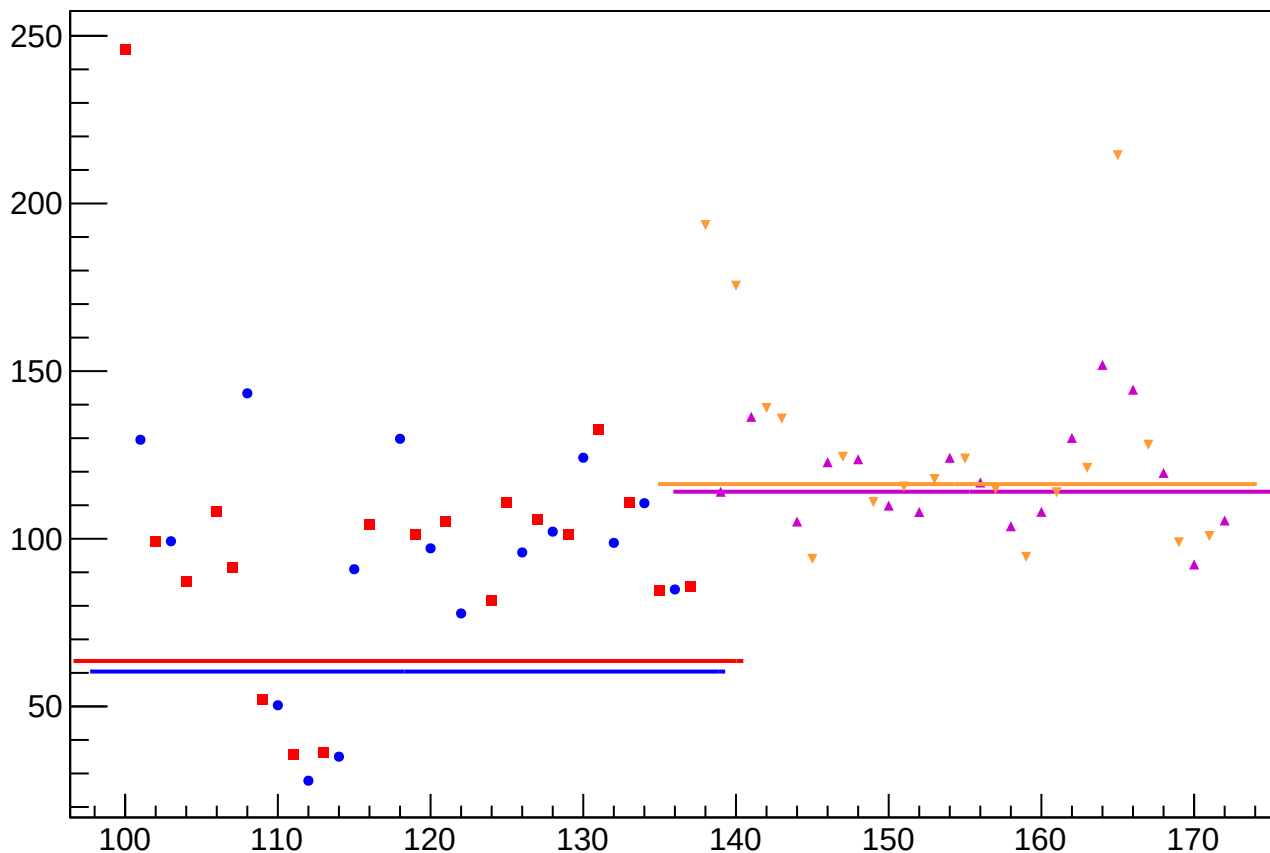
Left In: -0.019 ± 0.032 $\chi^2/\text{NDF}: 17.6/16$

+ sign 0.036 ± 0.021 $\chi^2/\text{NDF}: 43.9/33$

All: 0.015 ± 0.015 $\chi^2/\text{NDF}: 80.2/69$

- sign -0.004 ± 0.020 $\chi^2/\text{NDF}: 34.4/35$

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

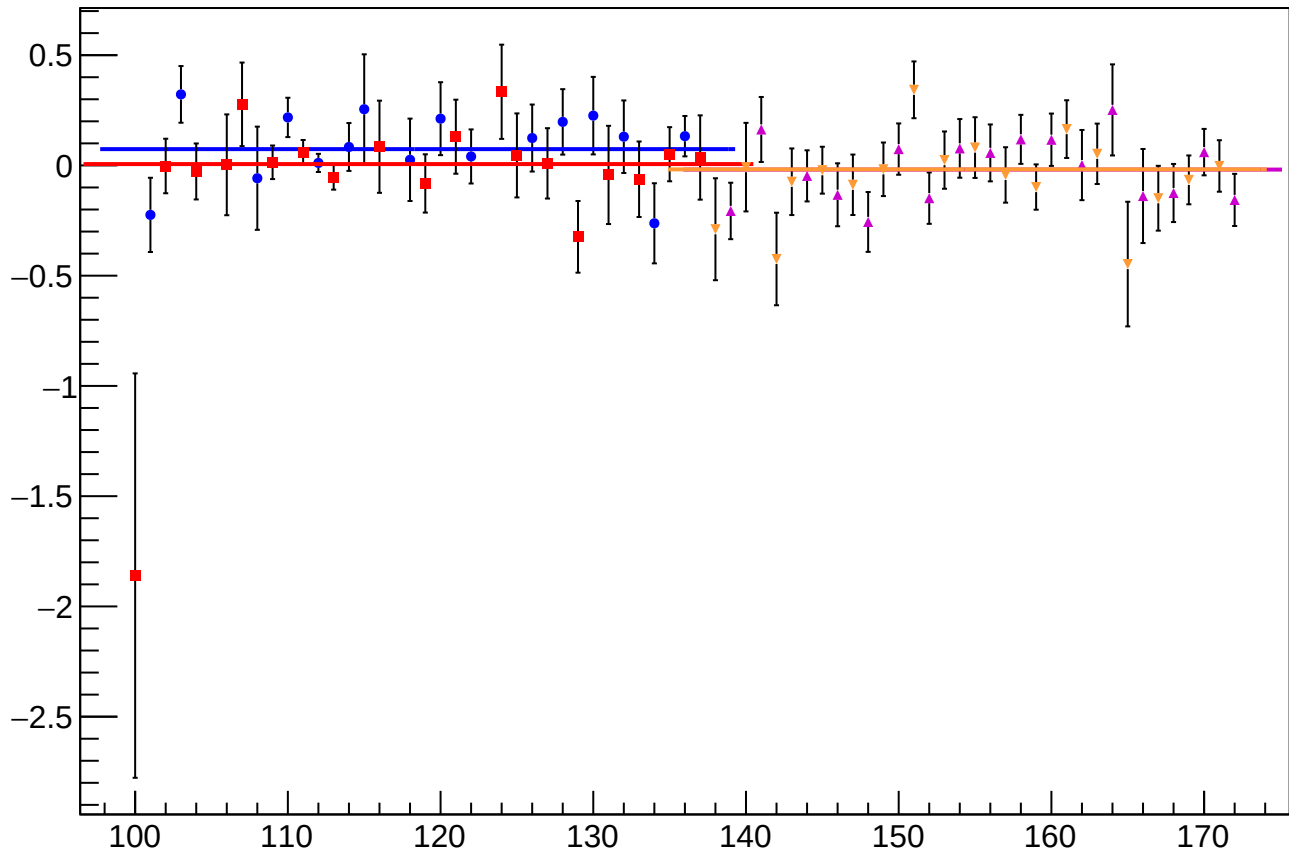
Left In: 114.034+/-0.022 χ^2/NDF : 345444.7/16

+ sign 83.643+/-0.015 χ^2/NDF : 8090752.7/33

All: 84.198+/-0.010 χ^2/NDF : 14066069.9/69

- sign 84.742+/-0.014 χ^2/NDF : 5972456.2/35

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 ± 0.027 $\chi^2/\text{NDF}: 19.0/15$

Left Out: -0.018 ± 0.032 $\chi^2/\text{NDF}: 20.2/17$

Right Out: 0.006 ± 0.027 $\chi^2/\text{NDF}: 16.4/18$

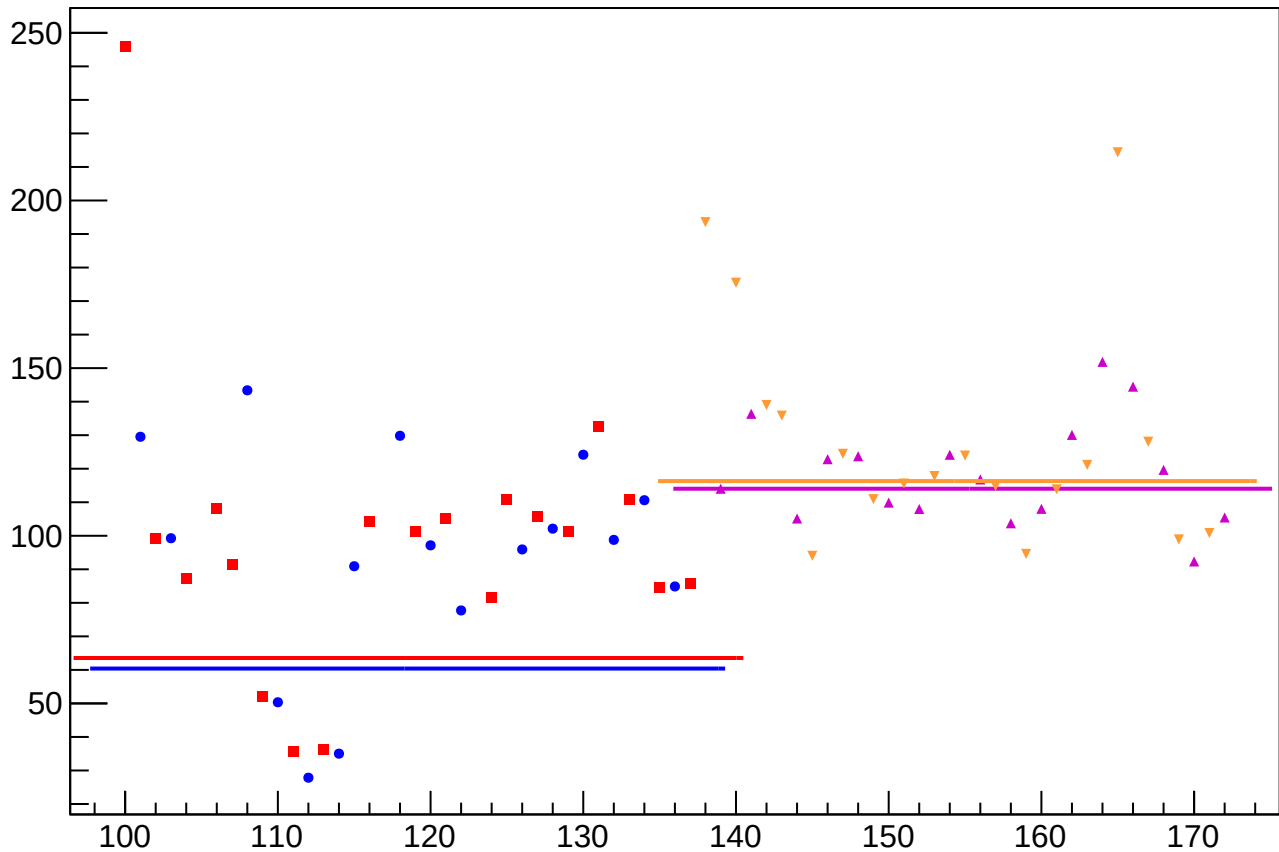
Left In: -0.019 ± 0.032 $\chi^2/\text{NDF}: 17.6/16$

+ sign 0.036 ± 0.021 $\chi^2/\text{NDF}: 43.9/33$

All: 0.015 ± 0.015 $\chi^2/\text{NDF}: 80.2/69$

- sign -0.004 ± 0.020 $\chi^2/\text{NDF}: 34.4/35$

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.399+/-0.019 χ^2/NDF : 3538382.9/15

Left Out: 116.316+/-0.023 χ^2/NDF : 989513.6/17

Right Out: 63.551+/-0.019 χ^2/NDF : 2654786.8/18

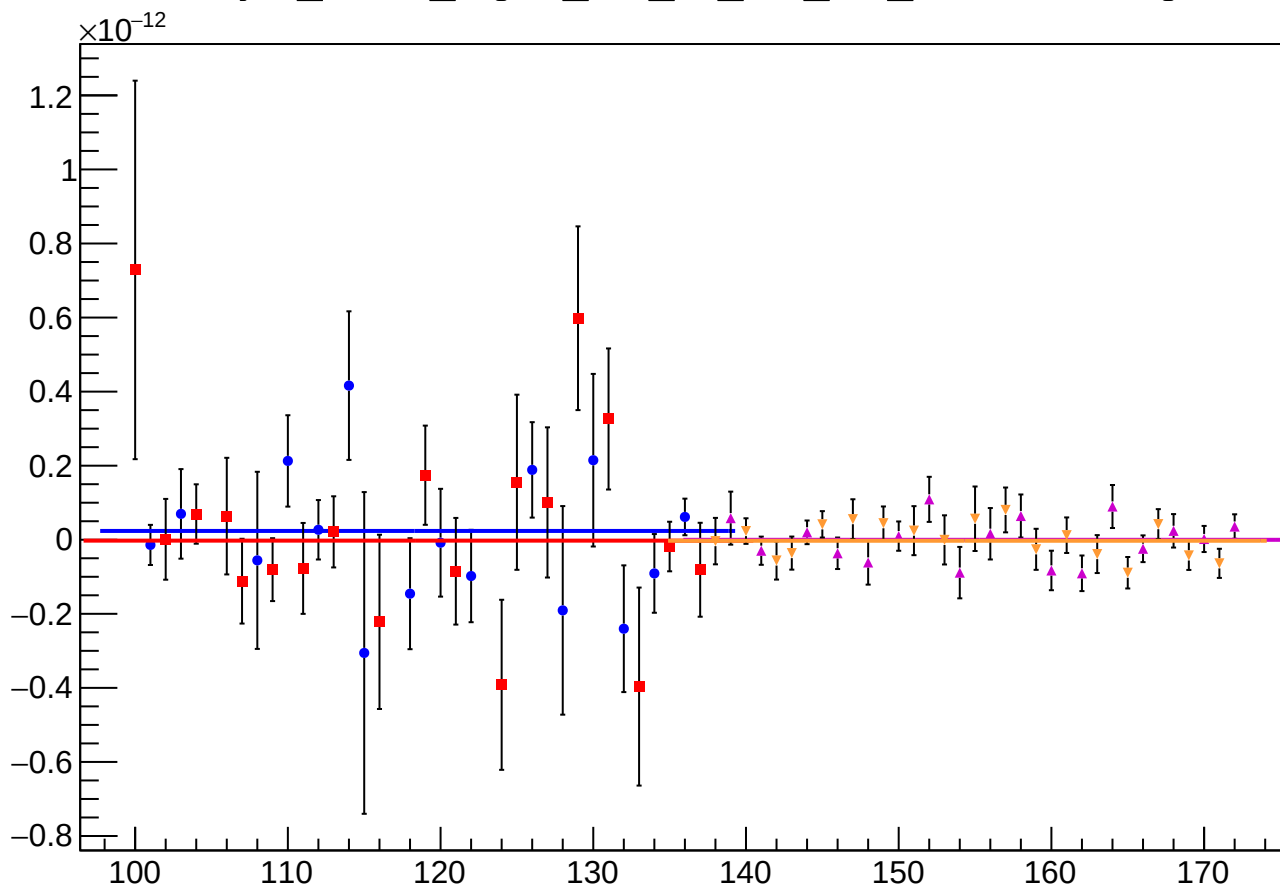
Left In: 114.034+/-0.022 χ^2/NDF : 345444.7/16

+ sign 83.643+/-0.015 χ^2/NDF : 8090752.7/33

All: 84.198+/-0.010 χ^2/NDF : 14066069.9/69

- sign 84.742+/-0.014 χ^2/NDF : 5972456.2/35

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

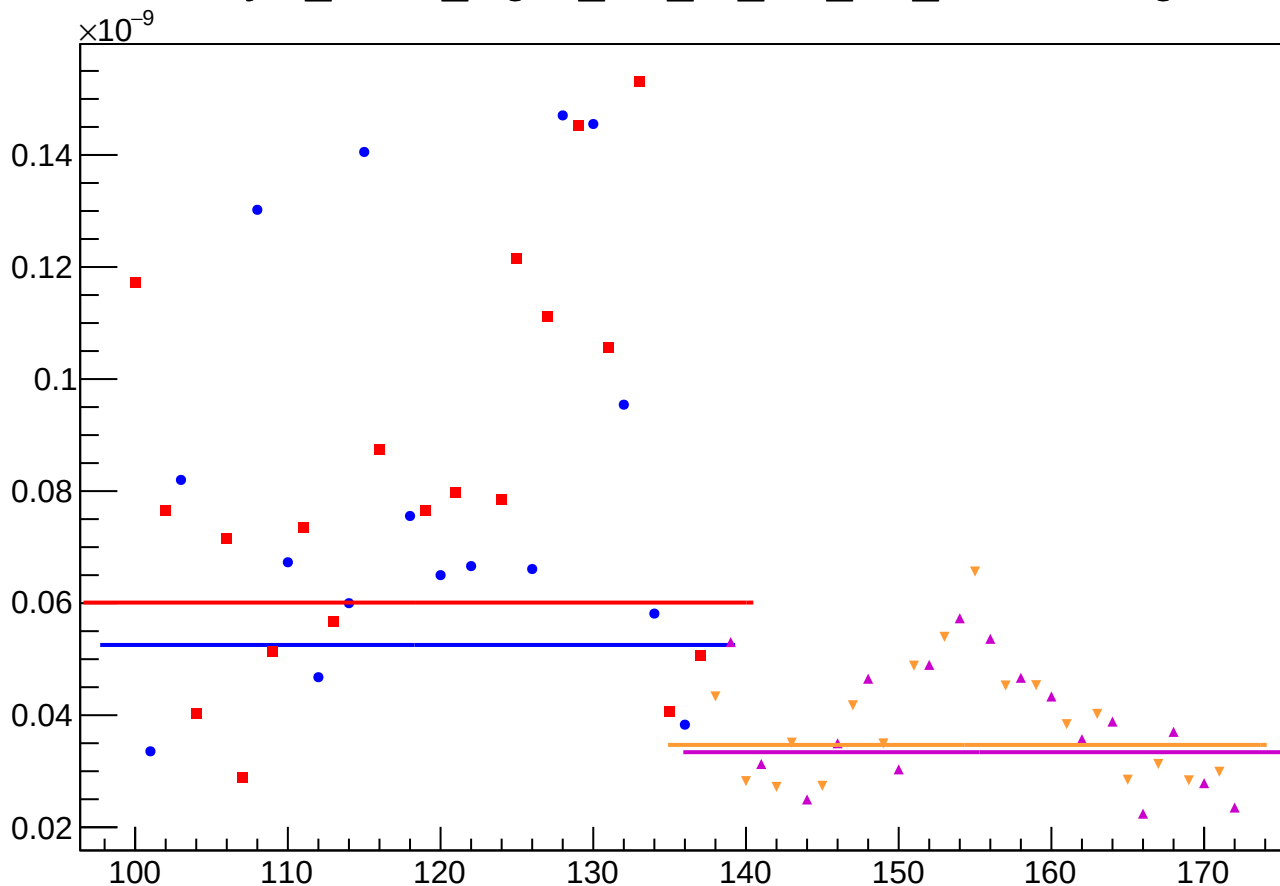
Left In: -0.000 ± 0.000 χ^2/NDF : 19.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 35.7/33

All: 0.000 ± 0.000 χ^2/NDF : 78.9/69

- sign -0.000 ± 0.000 χ^2/NDF : 43.1/35

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



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

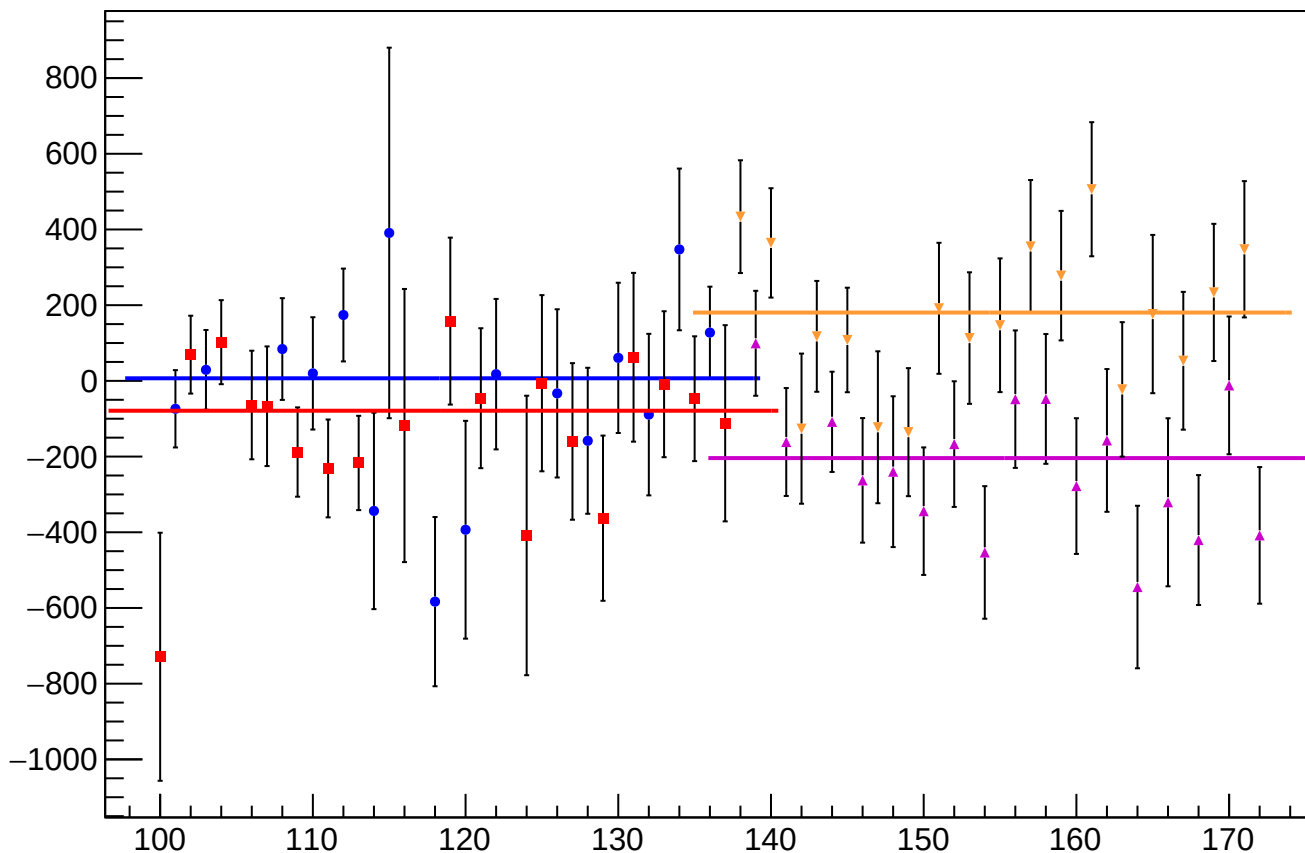
Left In: 0.000+/-0.000 χ^2/NDF : 1567234.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 3526191.7/33

All: 0.000+/-0.000 χ^2/NDF : 8134025.9/69

- sign 0.000+/-0.000 χ^2/NDF : 4603293.5/35

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

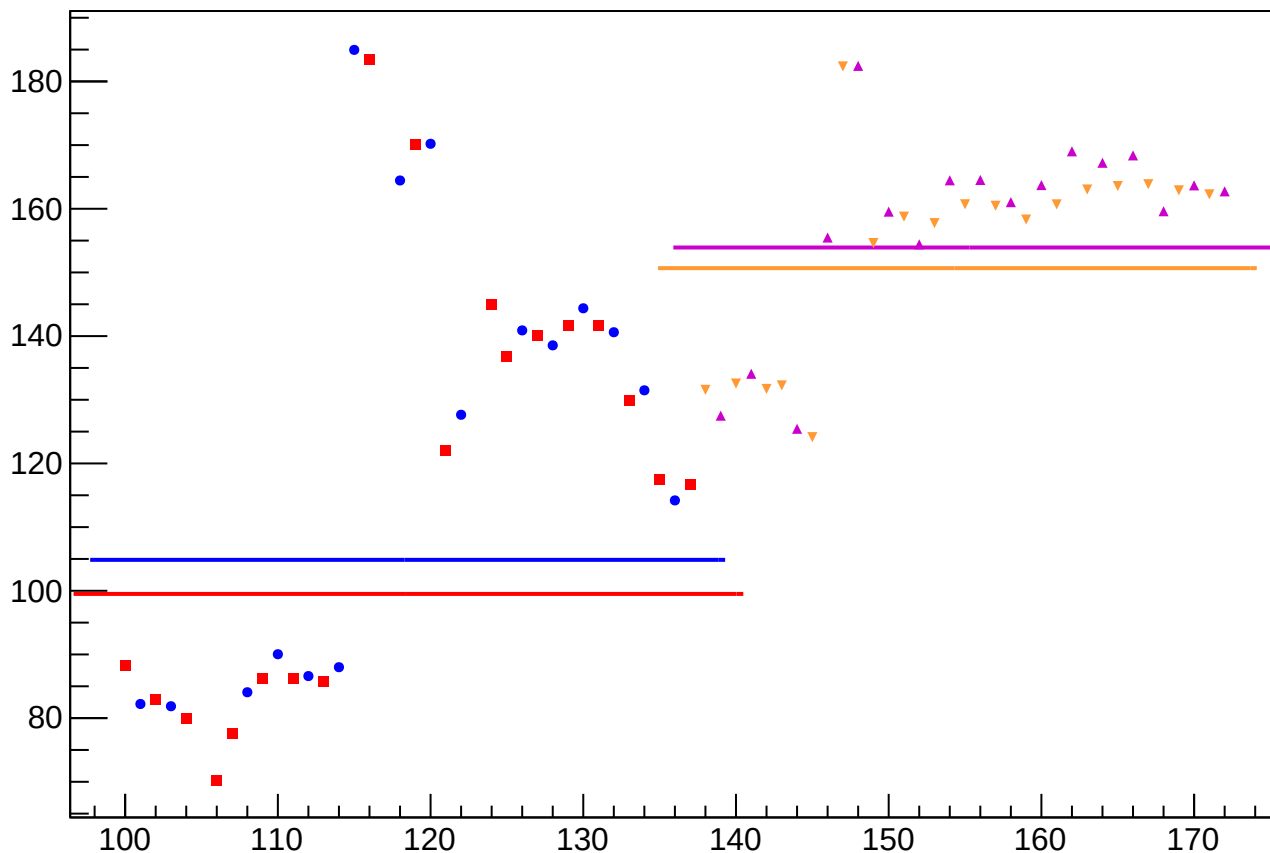
Left In: -204.021 ± 41.348 χ^2/NDF : 16.9/16

+ sign 94.080 ± 28.462 χ^2/NDF : 48.9/33

All: -23.098 ± 19.939 χ^2/NDF : 120.7/69

- sign -136.027 ± 27.941 χ^2/NDF : 38.6/35

reg_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931228.4/15

Left Out: 150.672 $\pm$ 0.028 χ^2 /NDF:315004.0/17

Right Out: 99.508 $\pm$ 0.027 χ^2 /NDF: 1039037.0/18

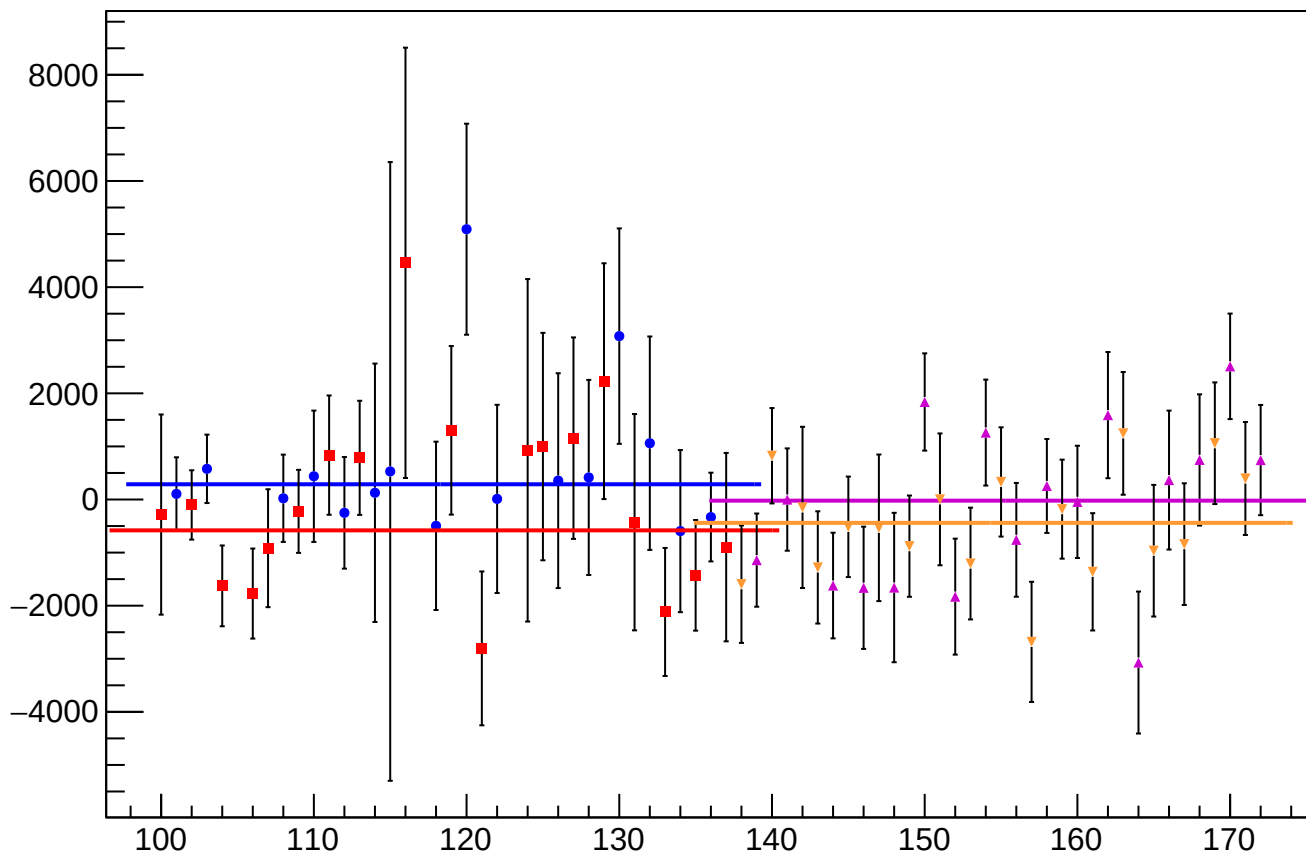
Left In: 153.915 $\pm$ 0.029 χ^2 /NDF:312454.8/16

+ sign 127.881 $\pm$ 0.020 χ^2 /NDF: 2541596.3/33

All: 126.084 $\pm$ 0.014 χ^2 /NDF: 5790271.9/69

- sign 124.353 $\pm$ 0.020 χ^2 /NDF: 3233024.7/35

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

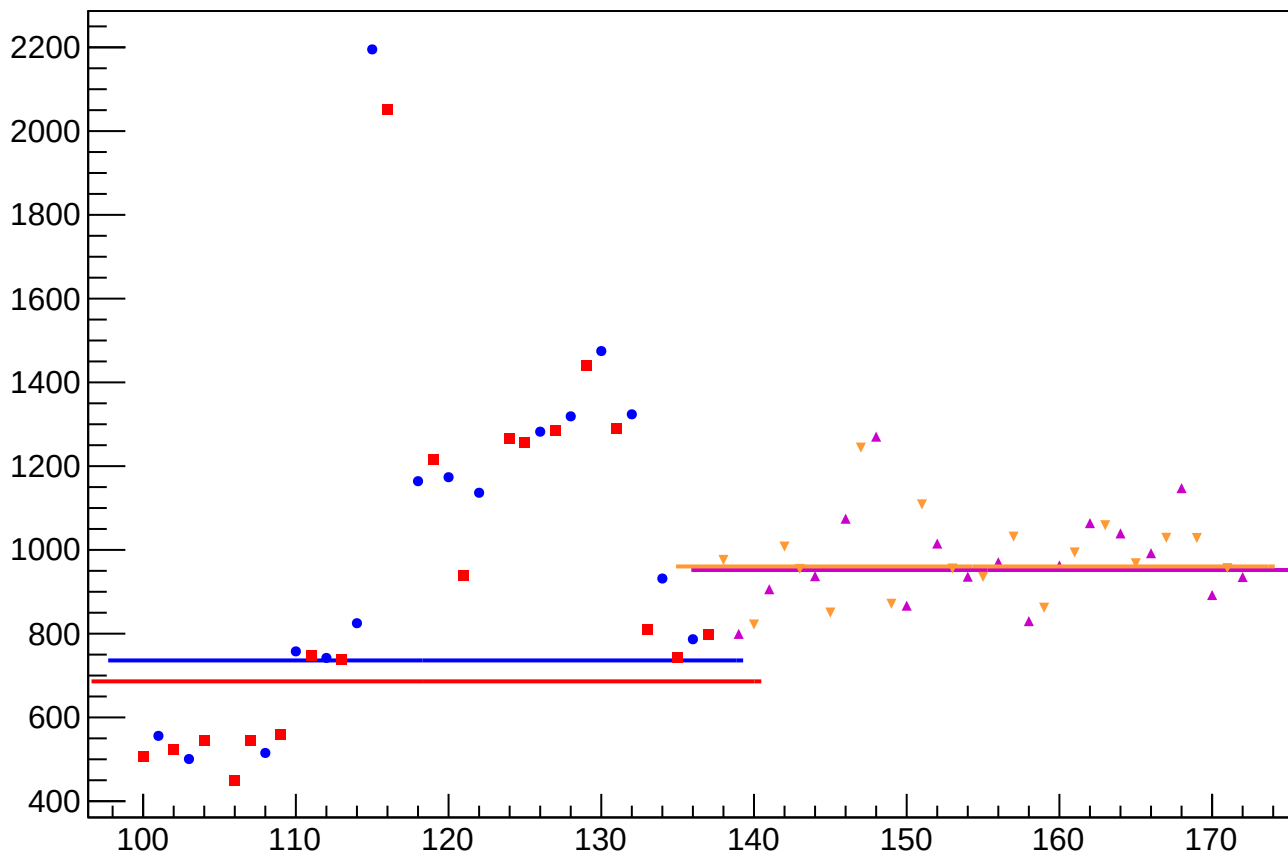
Left In: -21.517 ± 256.756 χ^2/NDF : 31.2/16

+ sign -124.982 ± 193.223 χ^2/NDF : 27.8/33

All: -209.360 ± 133.997 χ^2/NDF : 80.4/69

- sign -287.536 ± 185.986 χ^2/NDF : 52.2/35

asym_sam5_reg_correction_rms vs Slug



Right In: 736.084 $\pm$ 0.208 χ^2 /NDF: 1844496.2/15

Left Out: 960.501 $\pm$ 0.182 χ^2 /NDF: 269495.9/17

Right Out: 686.108 $\pm$ 0.191 χ^2 /NDF: 1819176.0/18

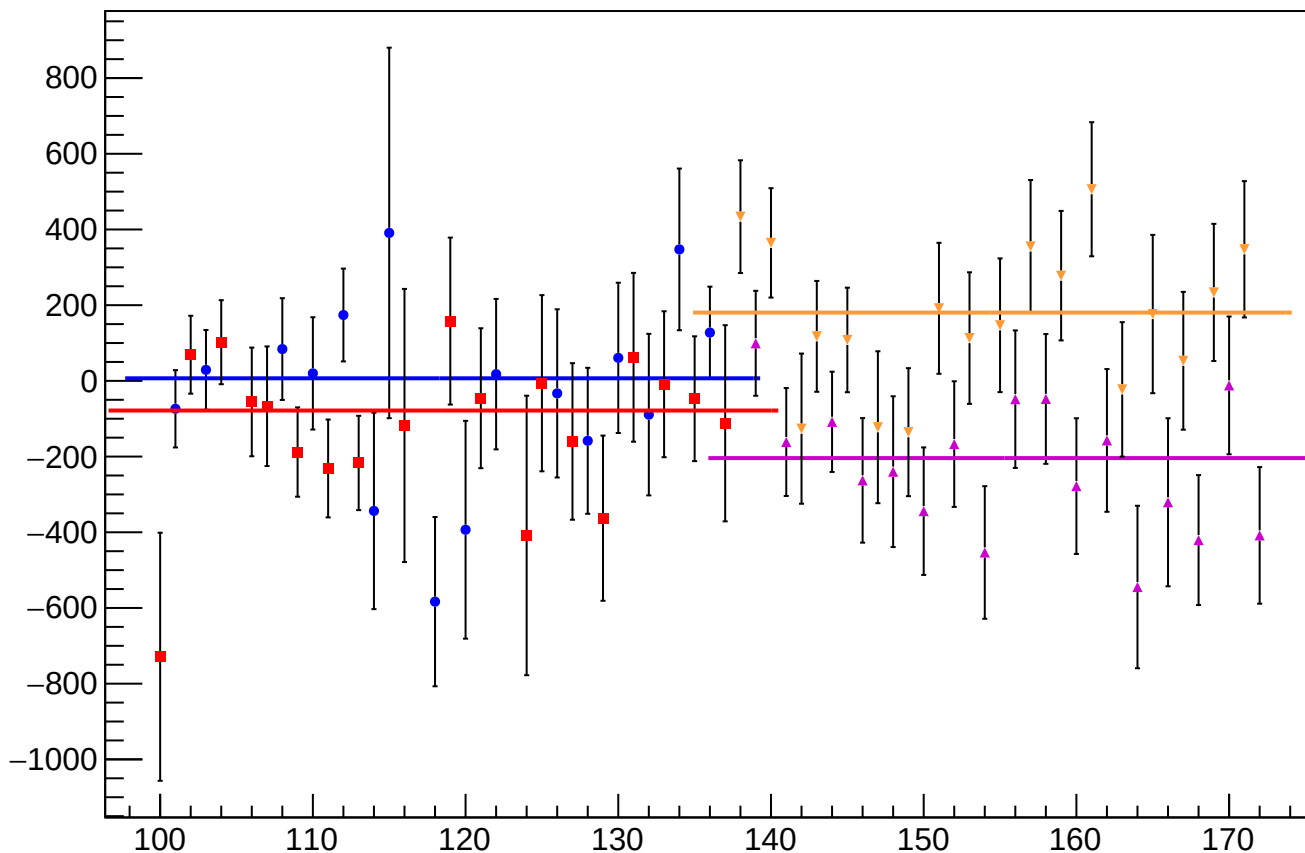
Left In: 952.044 $\pm$ 0.182 χ^2 /NDF: 339756.4/16

+ sign 863.218 $\pm$ 0.137 χ^2 /NDF: 2776529.0/33

All: 843.716 $\pm$ 0.095 χ^2 /NDF: 5994475.5/69

- sign 825.647 $\pm$ 0.132 χ^2 /NDF: 3178695.7/35

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

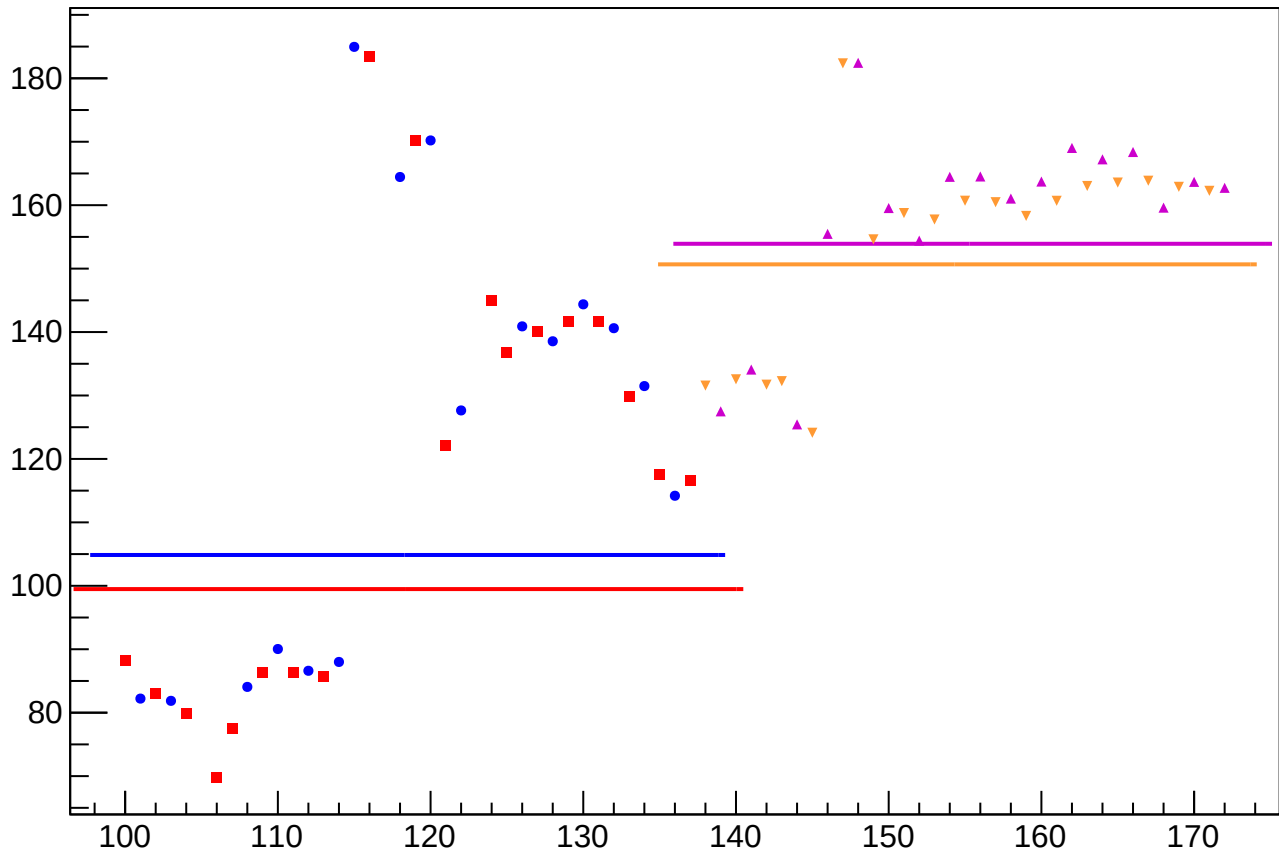
Left In: -204.022 ± 41.348 χ^2/NDF : 16.9/16

+ sign 94.074 ± 28.462 χ^2/NDF : 48.9/33

All: -22.951 ± 19.939 χ^2/NDF : 120.7/69

- sign -135.741 ± 27.942 χ^2/NDF : 38.6/35

cor_asym_sam5_rms vs Slug



Right In: 104.860 $\pm$ 0.029 χ^2 /NDF: 931227.7/15

Left Out: 150.672 $\pm$ 0.028 χ^2 /NDF: 315004.0/17

Right Out: 99.484 $\pm$ 0.027 χ^2 /NDF: 1041224.0/18

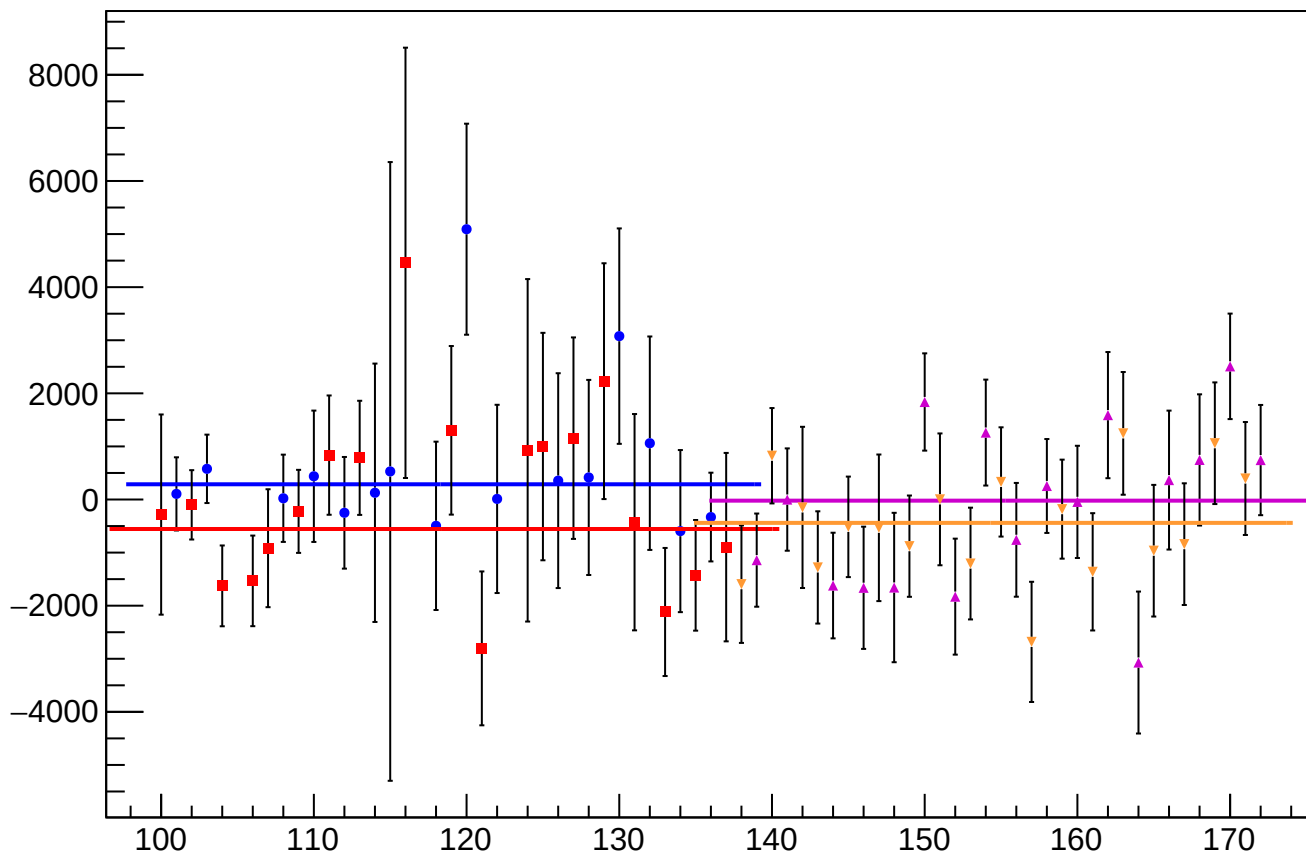
Left In: 153.915 $\pm$ 0.029 χ^2 /NDF: 312454.8/16

+ sign 127.881 $\pm$ 0.020 χ^2 /NDF: 2541594.6/33

All: 126.079 $\pm$ 0.014 χ^2 /NDF: 5794085.8/69

- sign 124.342 $\pm$ 0.020 χ^2 /NDF: 3236742.5/35

asym_sam5_cor_correction_mean vs Slug



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

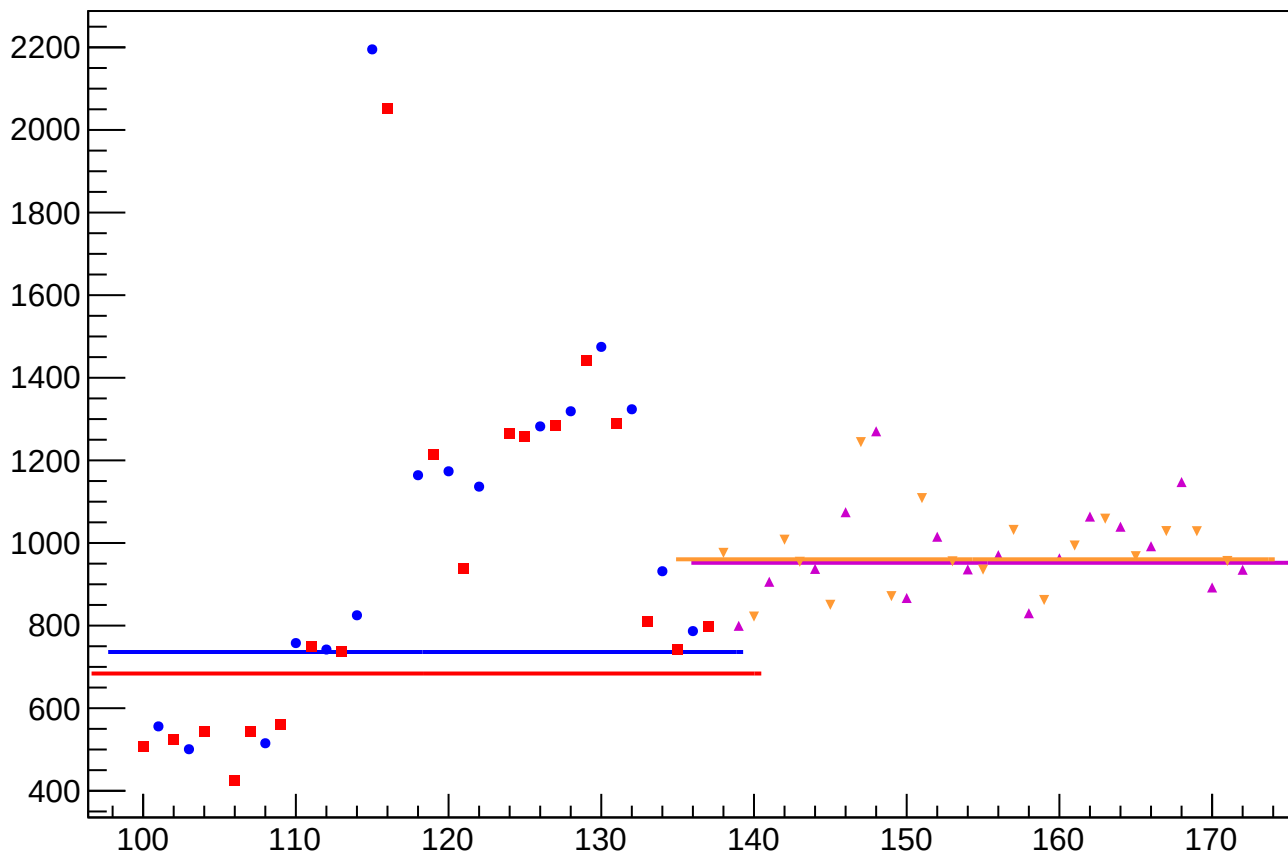
Left In: -21.517 ± 256.756 χ^2/NDF : 31.2/16

+ sign -124.979 ± 193.223 χ^2/NDF : 27.8/33

All: -202.883 ± 134.019 χ^2/NDF : 79.4/69

- sign -275.107 ± 186.045 χ^2/NDF : 51.3/35

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

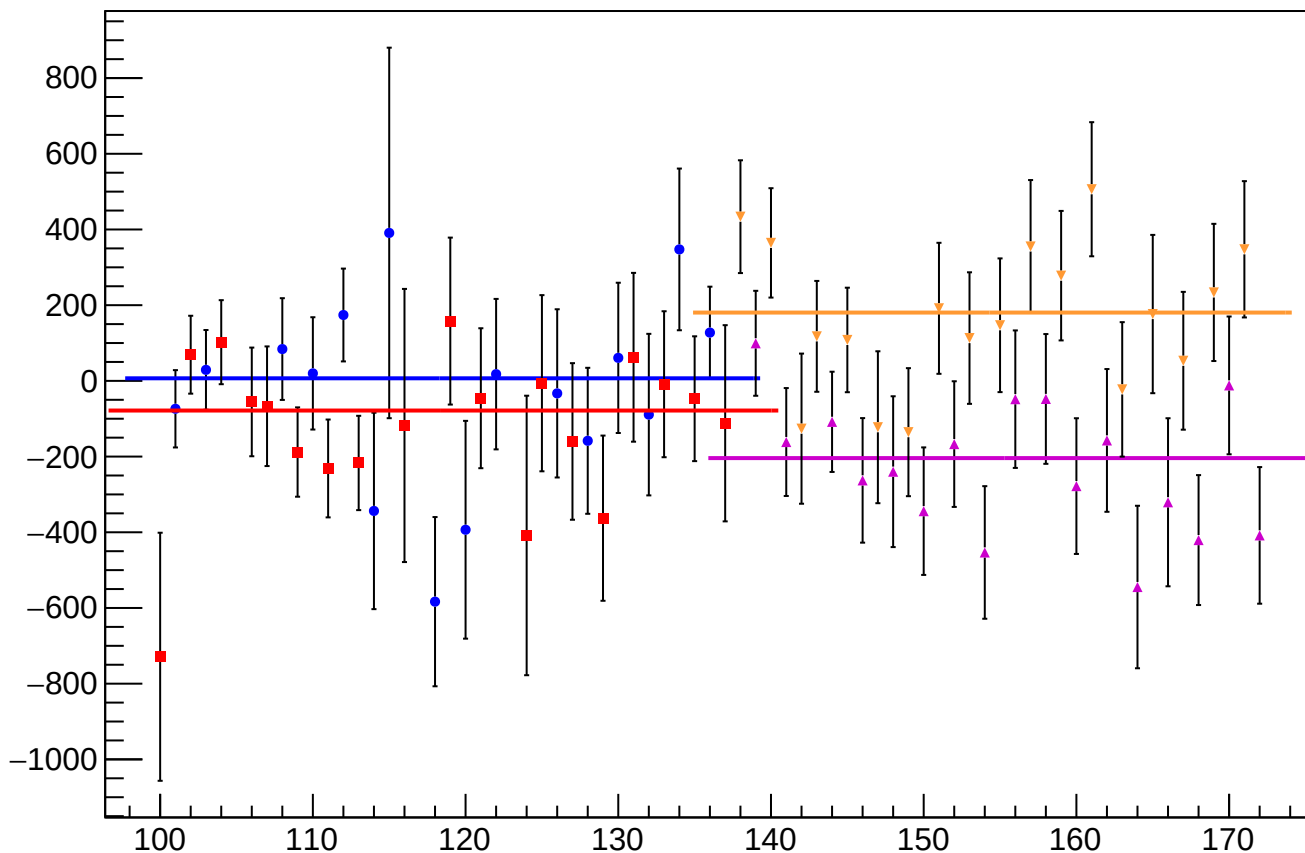
Left In: 952.044+/-0.182 χ^2/NDF : 339759.0/16

+ sign 863.218+/-0.137 χ^2/NDF : 2776536.8/33

All: 843.243+/-0.095 χ^2/NDF : 6043315.8/69

- sign 824.725+/-0.132 χ^2/NDF : 3225589.0/35

eigen_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

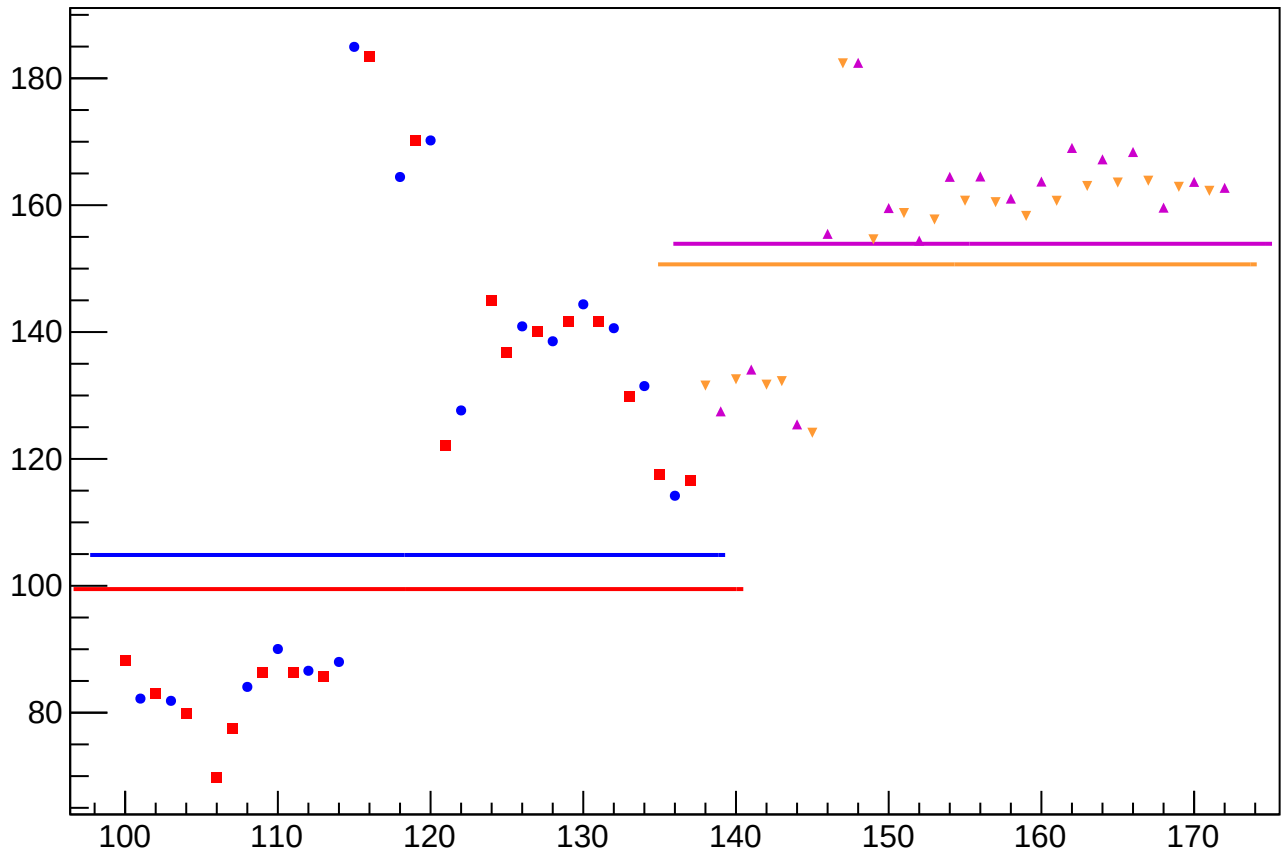
Left In: -204.022 ± 41.348 χ^2/NDF : 16.9/16

+ sign 94.074 ± 28.462 χ^2/NDF : 48.9/33

All: -22.951 ± 19.939 χ^2/NDF : 120.7/69

- sign -135.741 ± 27.942 χ^2/NDF : 38.6/35

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

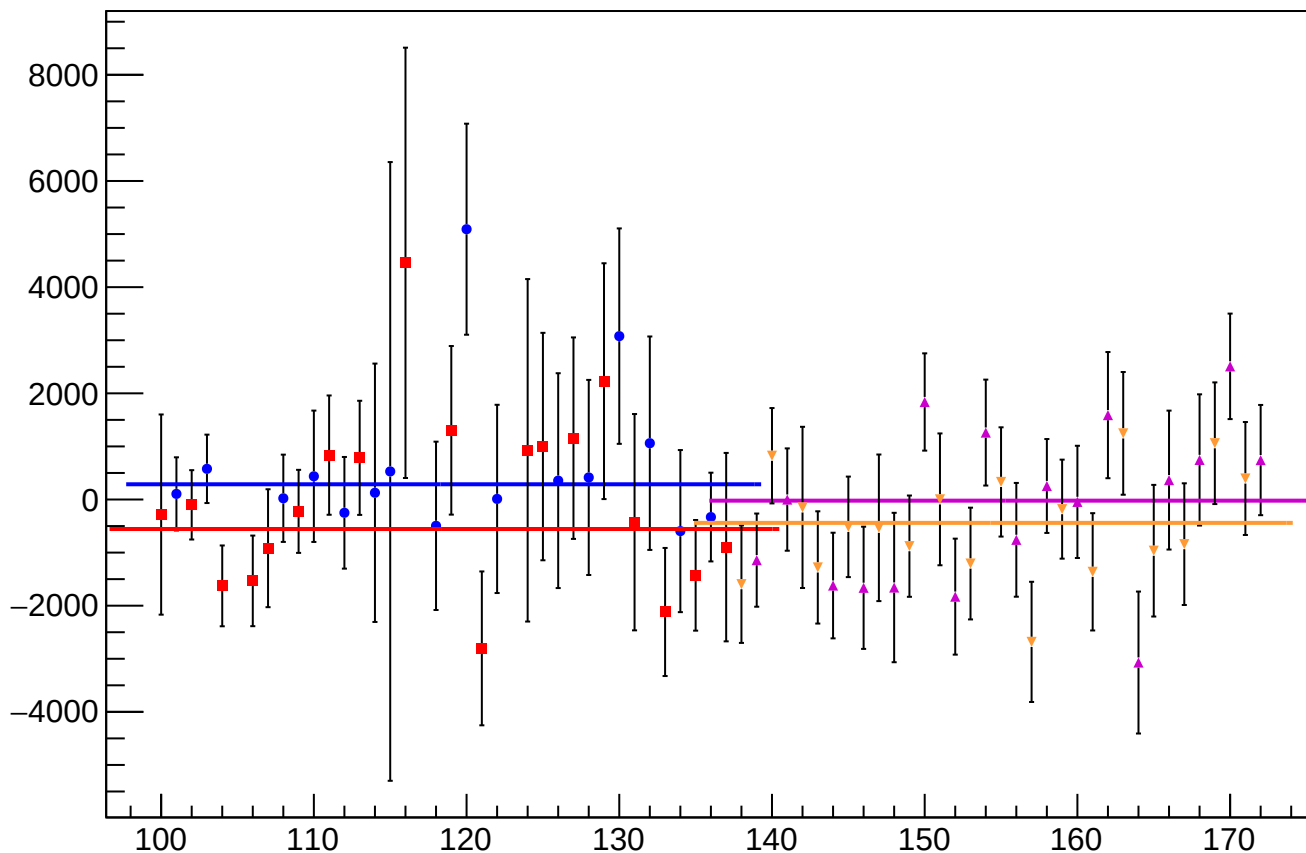
Left In: 153.915±/0.029 χ^2/NDF : 312454.8/16

+ sign 127.881±/0.020 χ^2/NDF : 2541594.6/33

All: 126.079±/0.014 χ^2/NDF : 5794085.8/69

- sign 124.342±/0.020 χ^2/NDF : 3236742.5/35

asym_sam5_eigen_cor_correction_mean vs Slug



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

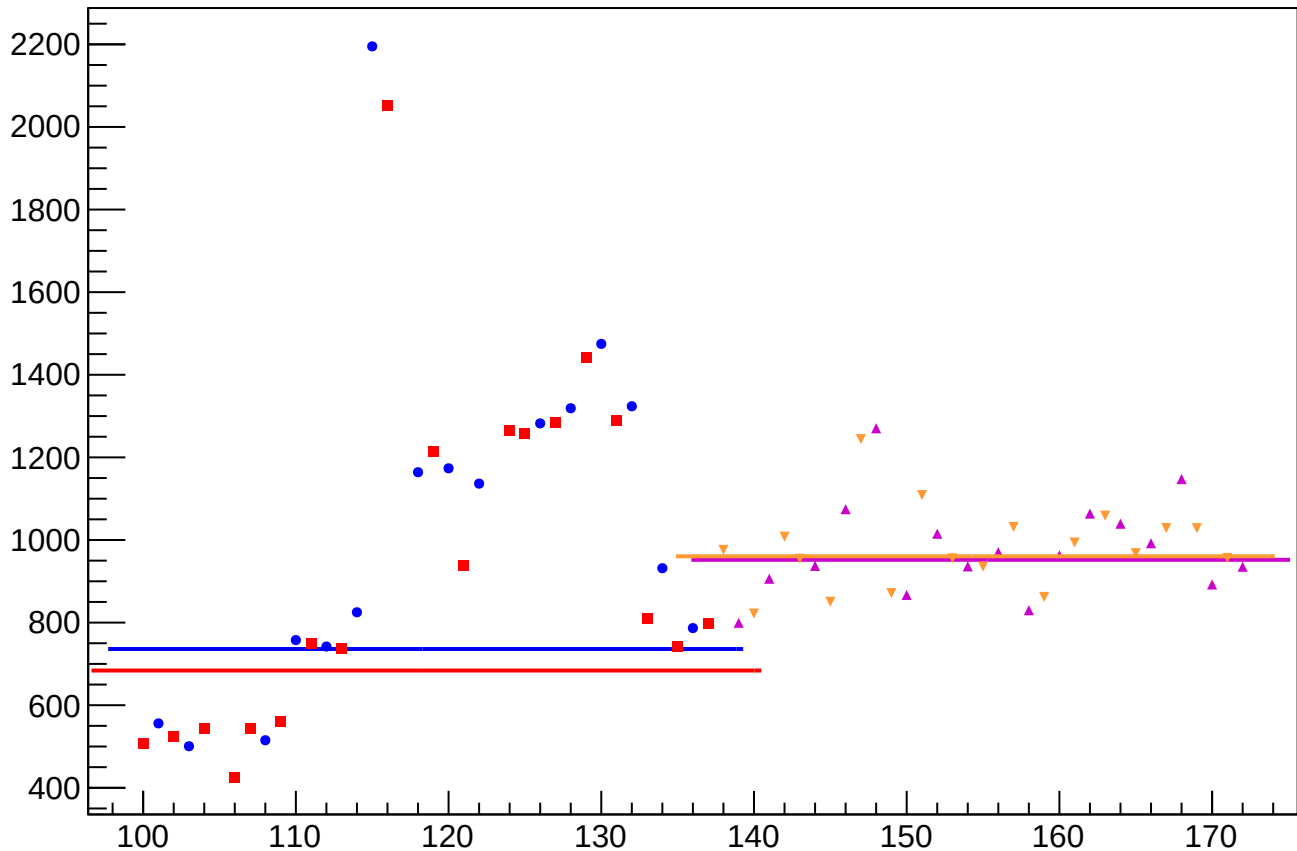
Left In: -21.517 ± 256.756 χ^2/NDF : 31.2/16

+ sign -124.979 ± 193.223 χ^2/NDF : 27.8/33

All: -202.883 ± 134.019 χ^2/NDF : 79.4/69

- sign -275.107 ± 186.045 χ^2/NDF : 51.3/35

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

+ sign 863.218+/-0.137 χ^2/NDF : 2776536.8/33

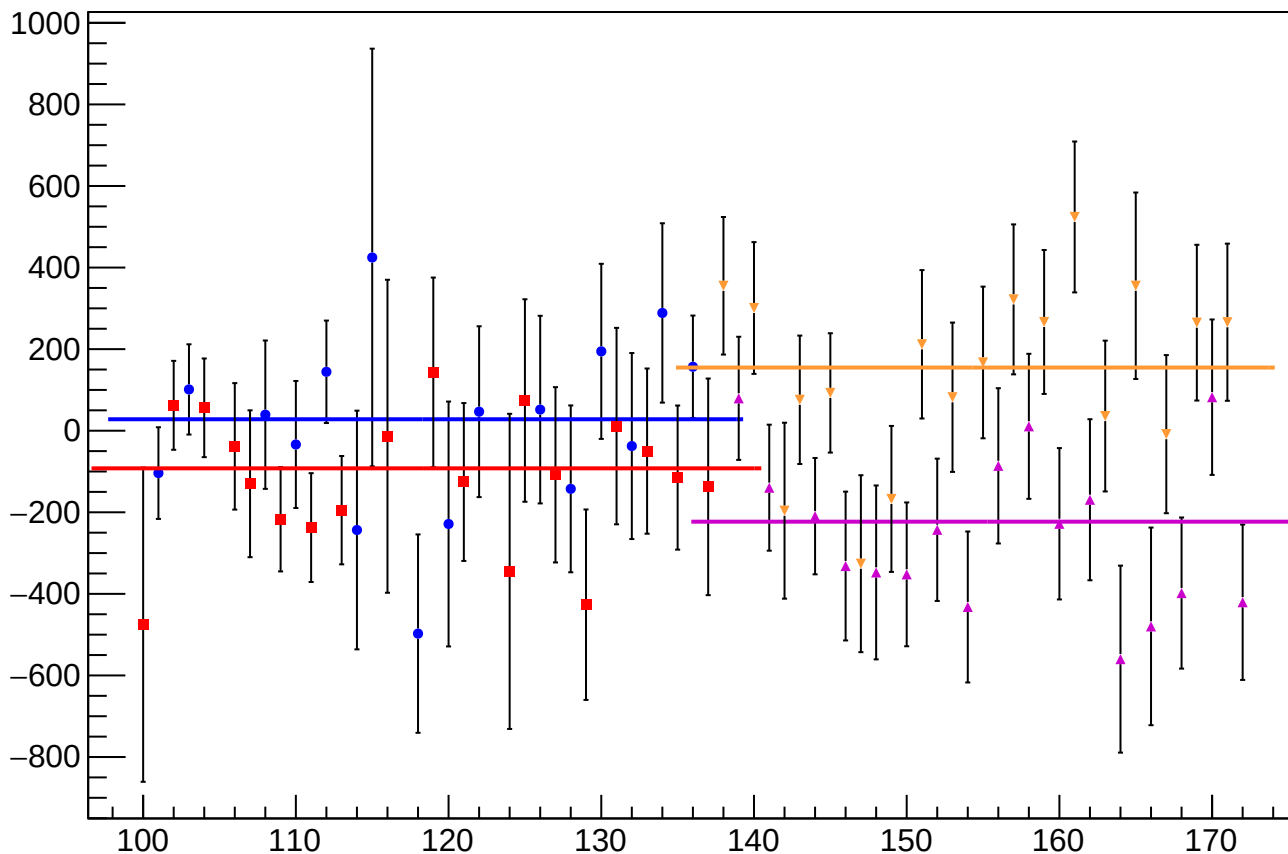
Right Out: 683.981+/-0.191 χ^2/NDF : 1850402.3/18

All: 843.243+/-0.095 χ^2/NDF : 6043315.8/69

- sign 824.725+/-0.132 χ^2/NDF : 3225589.0/35

Left In: 952.044+/-0.182 χ^2/NDF : 339759.0/16

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

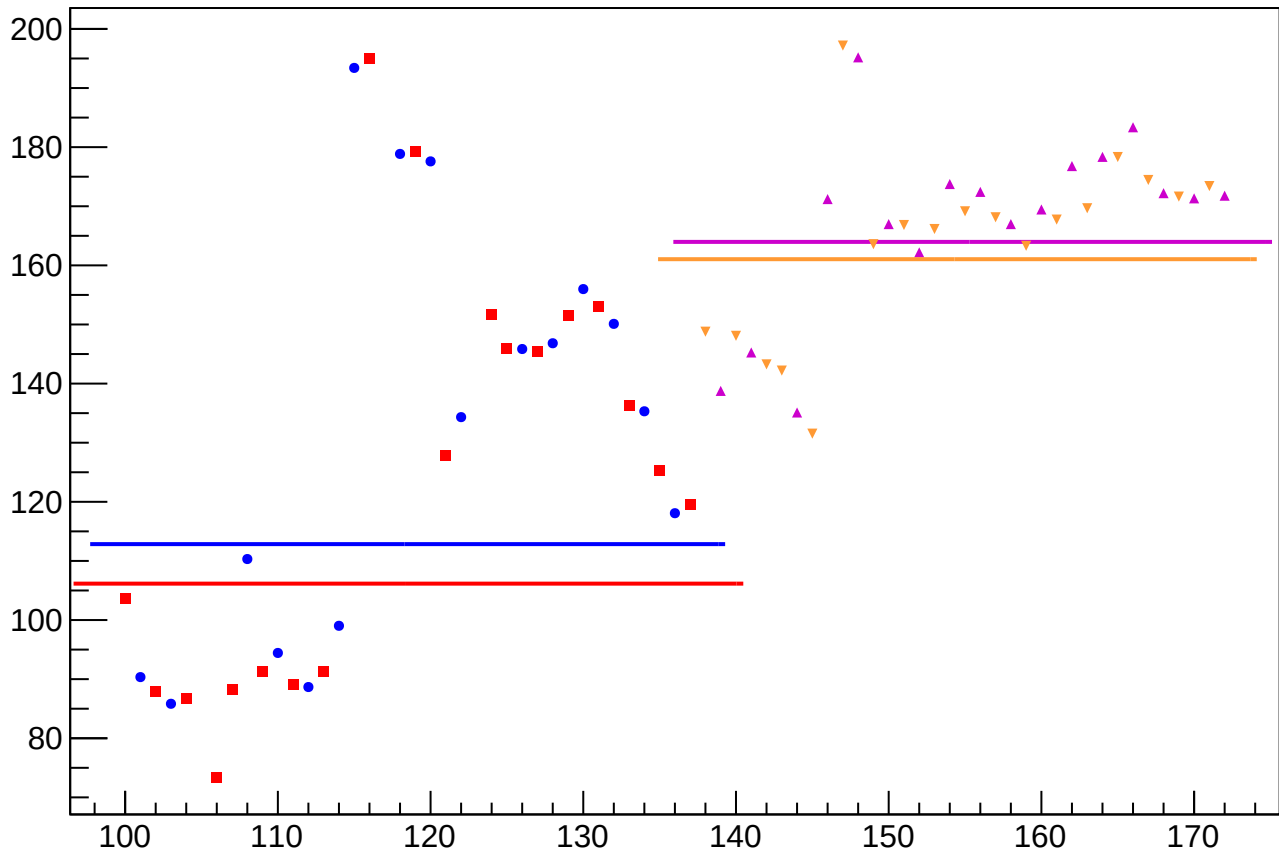
Left In: -223.020+/-44.044 χ^2/NDF : 17.0/16

+ sign 92.291+/-30.517 χ^2/NDF : 39.4/33

All: -32.758+/-21.331 χ^2/NDF : 105.6/69

- sign -152.223+/-29.828 χ^2/NDF : 33.5/35

dit_asym_sam5_rms vs Slug



Right In: 112.843 $\pm$ 0.031 χ^2 /NDF: 872225.9/15

Left Out: 161.046 $\pm$ 0.030 χ^2 /NDF:256078.6/17

Right Out: 106.159 $\pm$ 0.029 χ^2 /NDF: 1002148.0/18

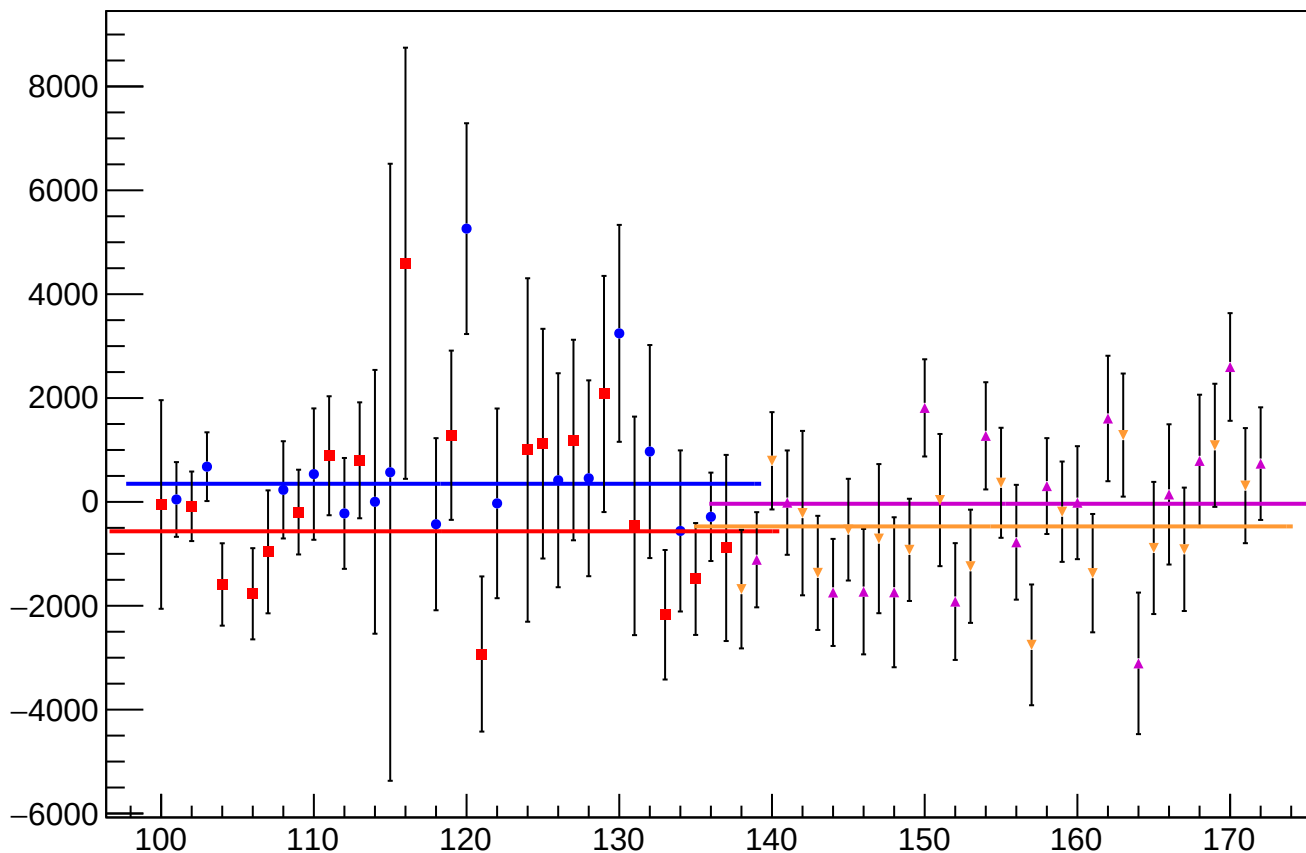
Left In: 163.973 $\pm$ 0.031 χ^2 /NDF:265132.4/16

+ sign 137.256 $\pm$ 0.022 χ^2 /NDF: 2375606.9/33

All: 134.912 $\pm$ 0.015 χ^2 /NDF: 5531531.7/69

- sign 132.674 $\pm$ 0.021 χ^2 /NDF: 3132867.4/35

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

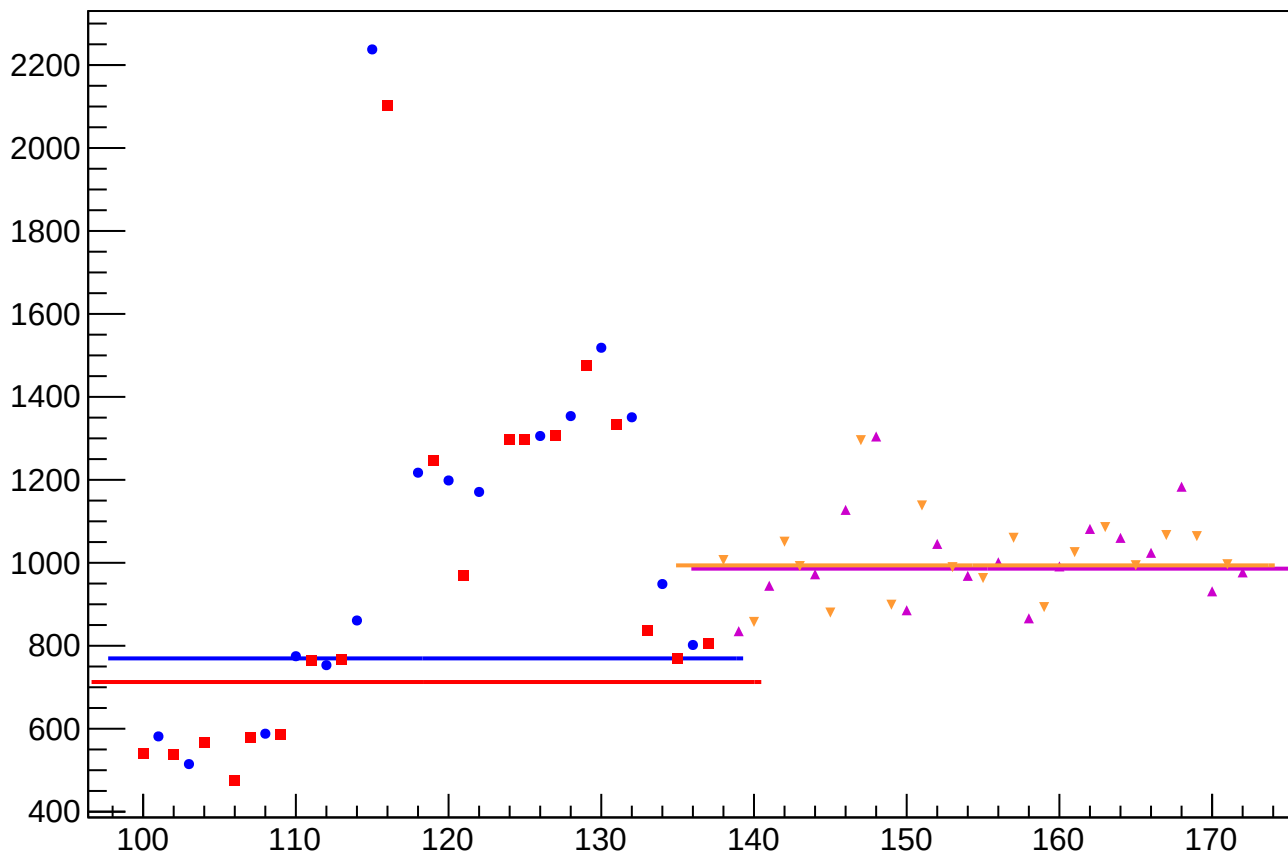
Left In: -35.999 ± 265.703 χ^2/NDF : 30.7/16

+ sign -118.447 ± 200.338 χ^2/NDF : 28.3/33

All: -206.548 ± 138.799 χ^2/NDF : 79.6/69

- sign -287.875 ± 192.481 χ^2/NDF : 50.9/35

asym_sam5_dit_correction_rms vs Slug



Right In: 769.557 $\pm$ 0.216 χ^2 /NDF: 1739937.3/15

Left Out: 993.812 $\pm$ 0.188 χ^2 /NDF: 263185.6/17

Right Out: 712.628 $\pm$ 0.197 χ^2 /NDF: 1767226.6/18

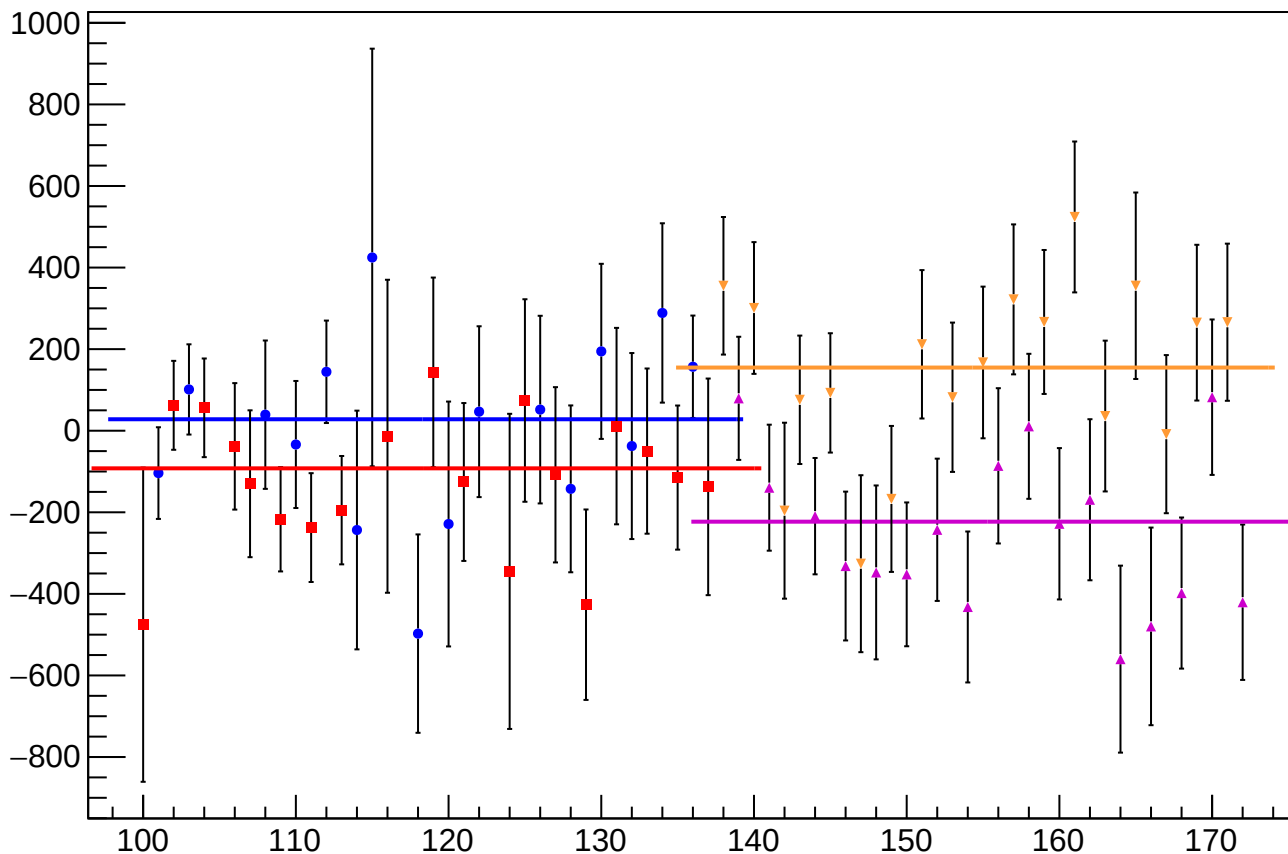
Left In: 985.914 $\pm$ 0.188 χ^2 /NDF: 319887.3/16

+ sign 897.266 $\pm$ 0.142 χ^2 /NDF: 2617533.1/33

All: 875.831 $\pm$ 0.098 χ^2 /NDF: 5754116.5/69

- sign 856.045 $\pm$ 0.136 χ^2 /NDF: 3092554.0/35

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

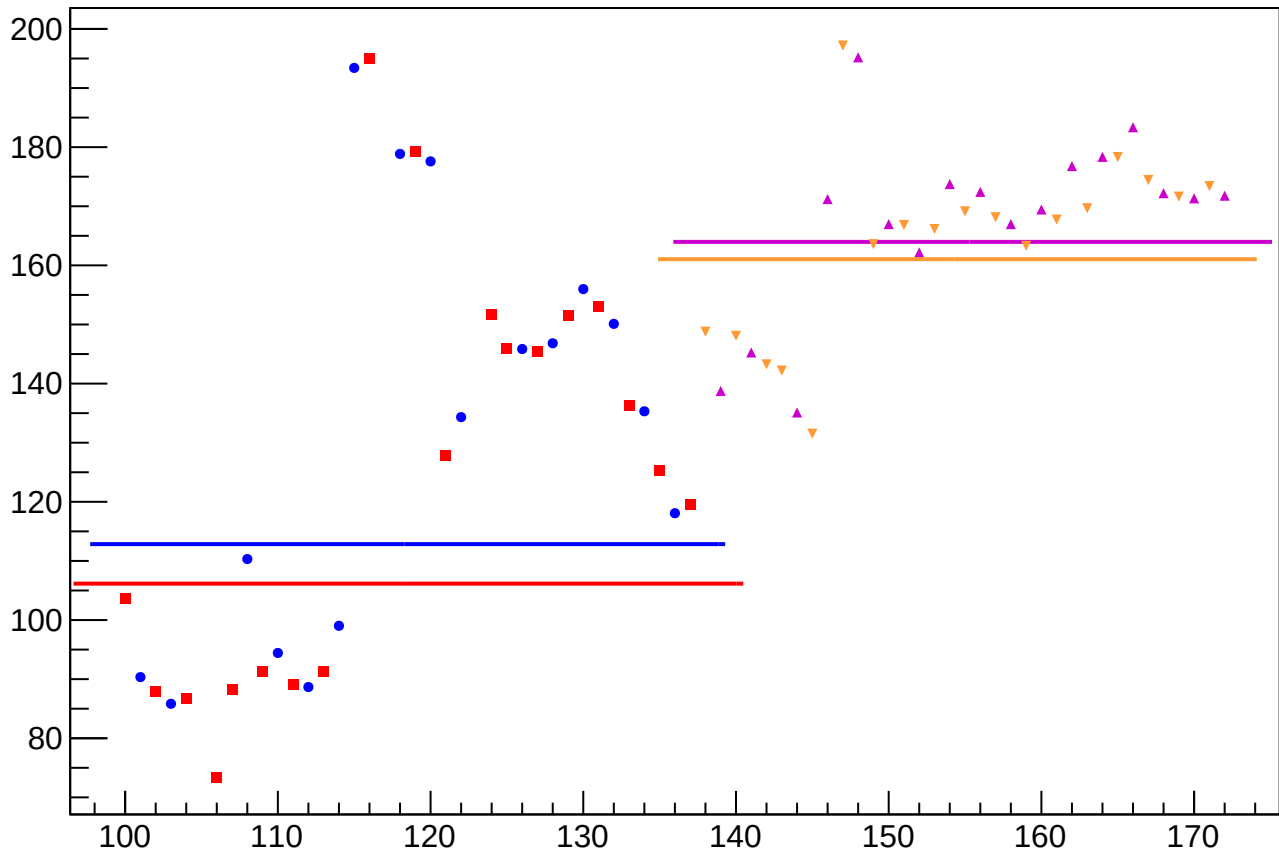
Left In: -223.021+/-44.044 χ^2/NDF : 17.0/16

+ sign 92.291+/-30.517 χ^2/NDF : 39.4/33

All: -32.758+/-21.331 χ^2/NDF : 105.6/69

- sign -152.223+/-29.828 χ^2/NDF : 33.5/35

eigen_dit_asym_sam5_rms vs Slug



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

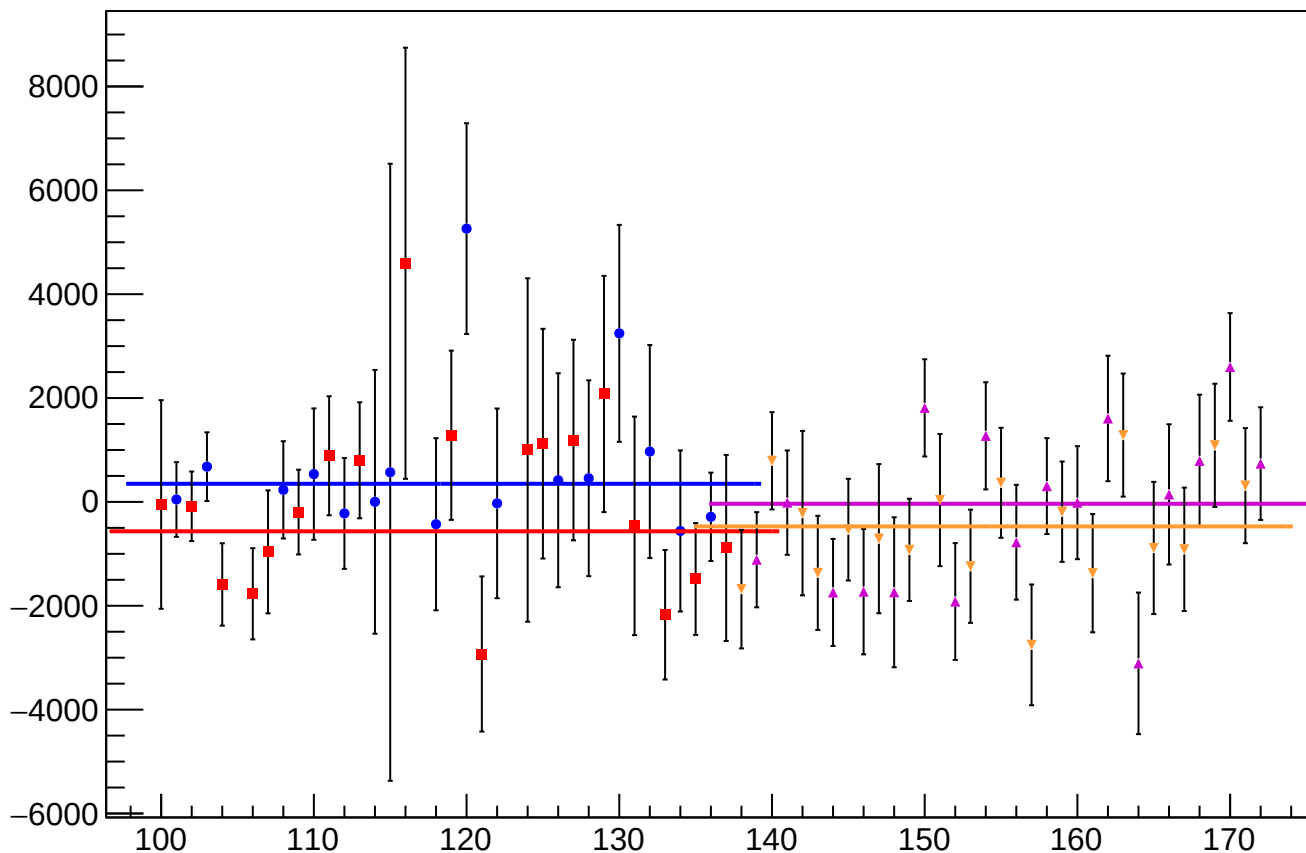
Left In: 163.973 ± 0.031 χ^2/NDF : 265126.9/16

+ sign 137.255 ± 0.022 χ^2/NDF : 2375626.6/33

All: 134.912 ± 0.015 χ^2/NDF : 5531566.2/69

- sign 132.674 ± 0.021 χ^2/NDF : 3132882.9/35

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 349.111 $\pm$ 305.328 χ^2 /NDF: 9.8/15

Left Out: -471.915 $\pm$ 265.475 χ^2 /NDF:14.4/17

Right Out: -566.026 $\pm$ 279.218 χ^2 /NDF: 18.3/18

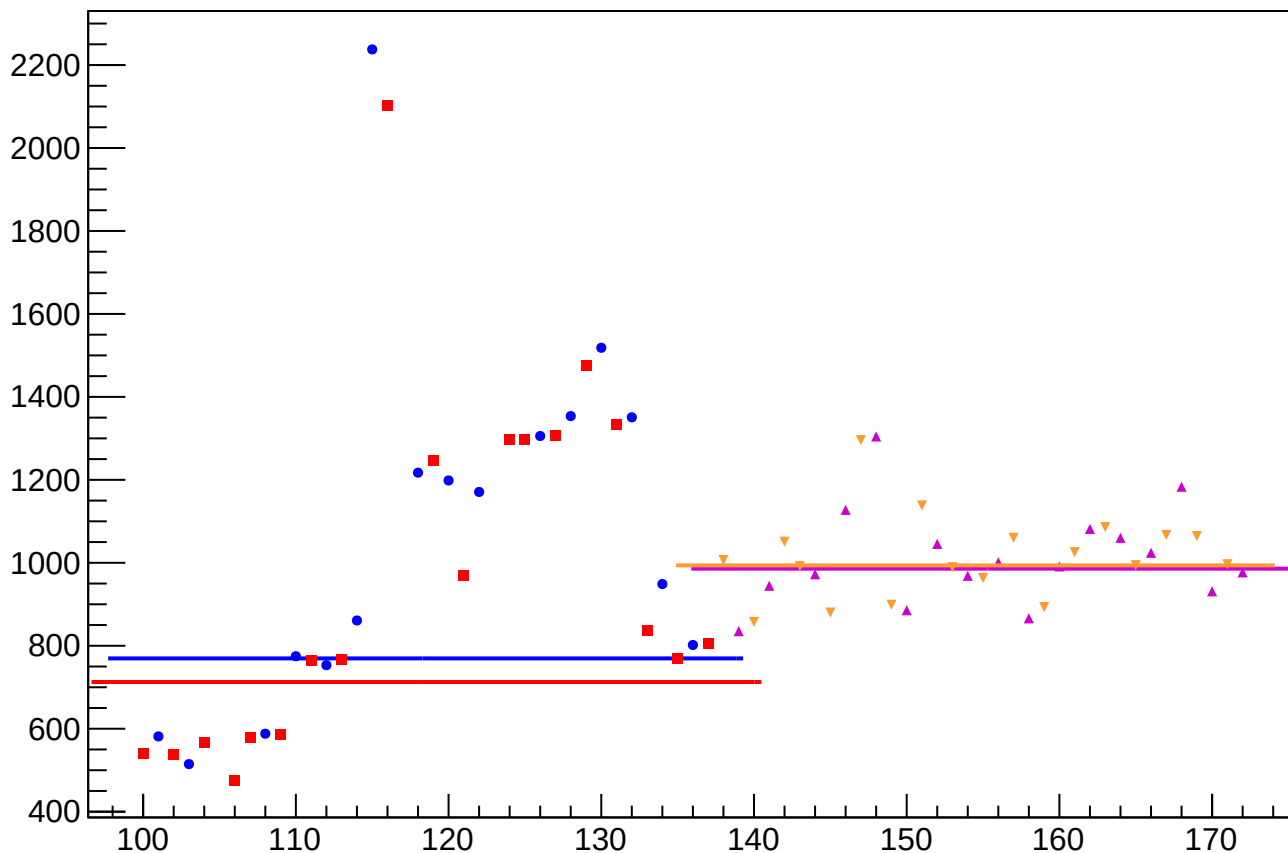
Left In: -35.999 $\pm$ 265.704 χ^2 /NDF:30.7/16

+ sign -118.446 $\pm$ 200.338 χ^2 /NDF: 28.3/33

All: -206.548 $\pm$ 138.799 χ^2 /NDF: 79.6/69

- sign -287.876 $\pm$ 192.481 χ^2 /NDF: 50.9/35

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 769.556 $\pm$ 0.216 χ^2 /NDF: 1739933.9/15

Left Out: 993.813 $\pm$ 0.188 χ^2 /NDF: 263185.6/17

Right Out: 712.627 $\pm$ 0.197 χ^2 /NDF: 1767219.7/18

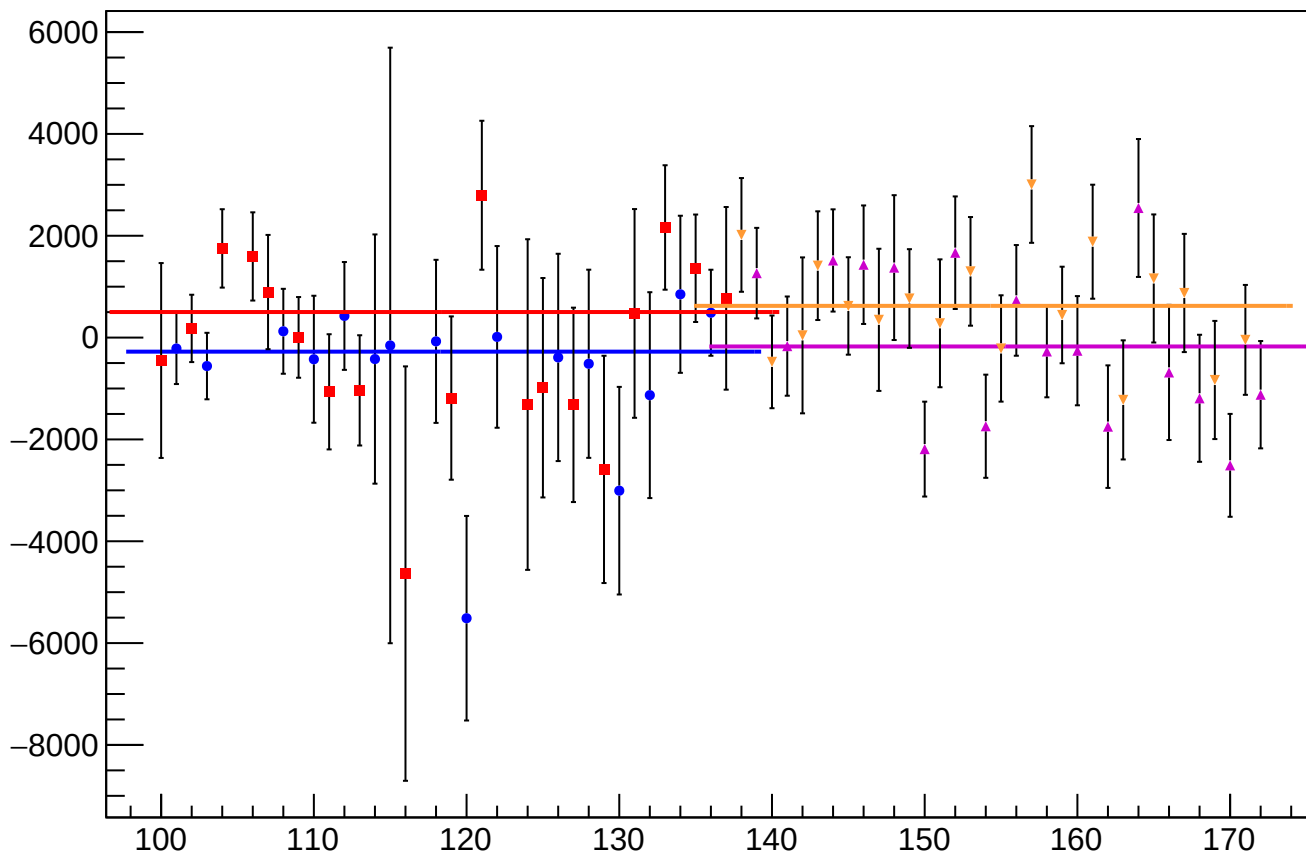
Left In: 985.915 $\pm$ 0.188 χ^2 /NDF: 319886.1/16

+ sign 897.266 $\pm$ 0.142 χ^2 /NDF: 2617544.9/33

All: 875.831 $\pm$ 0.098 χ^2 /NDF: 5754139.4/69

- sign 856.045 $\pm$ 0.136 χ^2 /NDF: 3092564.7/35

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

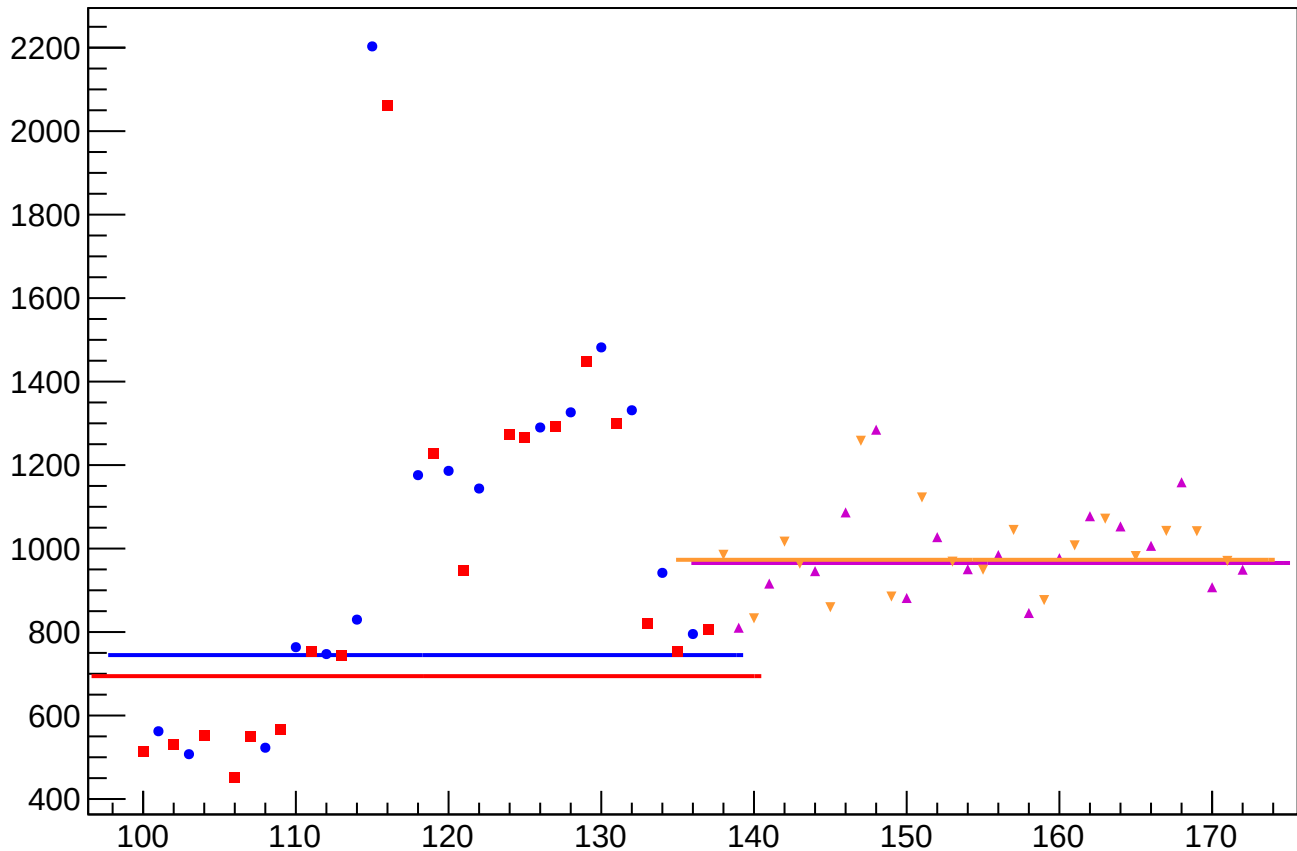
Left In: -174.431 ± 260.287 χ^2/NDF : 31.8/16

+ sign 232.452 ± 195.553 χ^2/NDF : 31.5/33

All: 188.479 ± 135.671 χ^2/NDF : 87.1/69

- sign 147.672 ± 188.382 χ^2/NDF : 55.5/35

asym_sam5_rms vs Slug



Right In: 744.783 $\pm$ 0.210 χ^2 /NDF: 1822553.5/15

Left Out: 973.082 $\pm$ 0.184 χ^2 /NDF: 265843.8/17

Right Out: 694.348 $\pm$ 0.193 χ^2 /NDF: 1803741.9/18

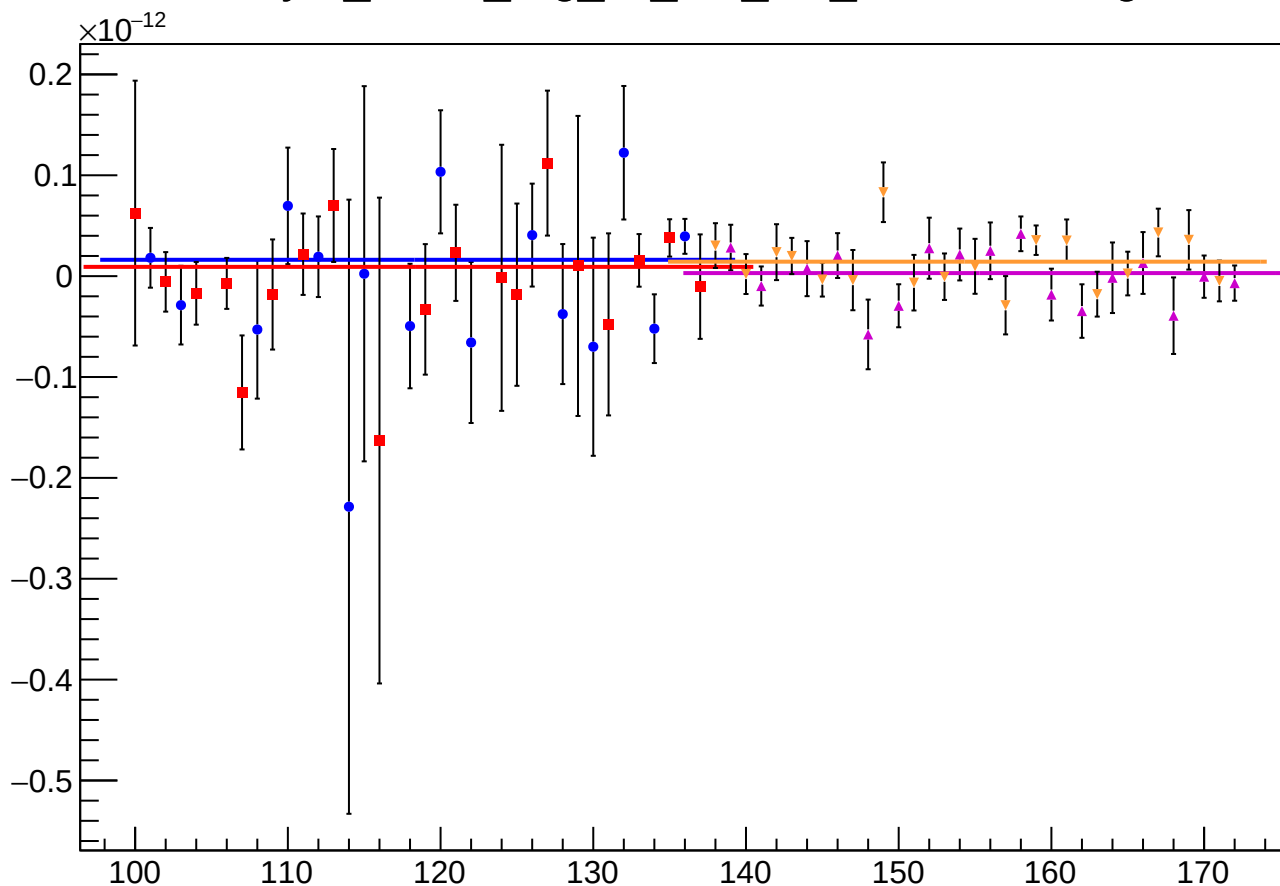
Left In: 965.424 $\pm$ 0.184 χ^2 /NDF: 331003.1/16

+ sign 873.913 $\pm$ 0.138 χ^2 /NDF: 2758131.3/33

All: 854.425 $\pm$ 0.096 χ^2 /NDF: 5964143.7/69

- sign 836.340 $\pm$ 0.133 χ^2 /NDF: 3167717.8/35

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:19.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.1/18

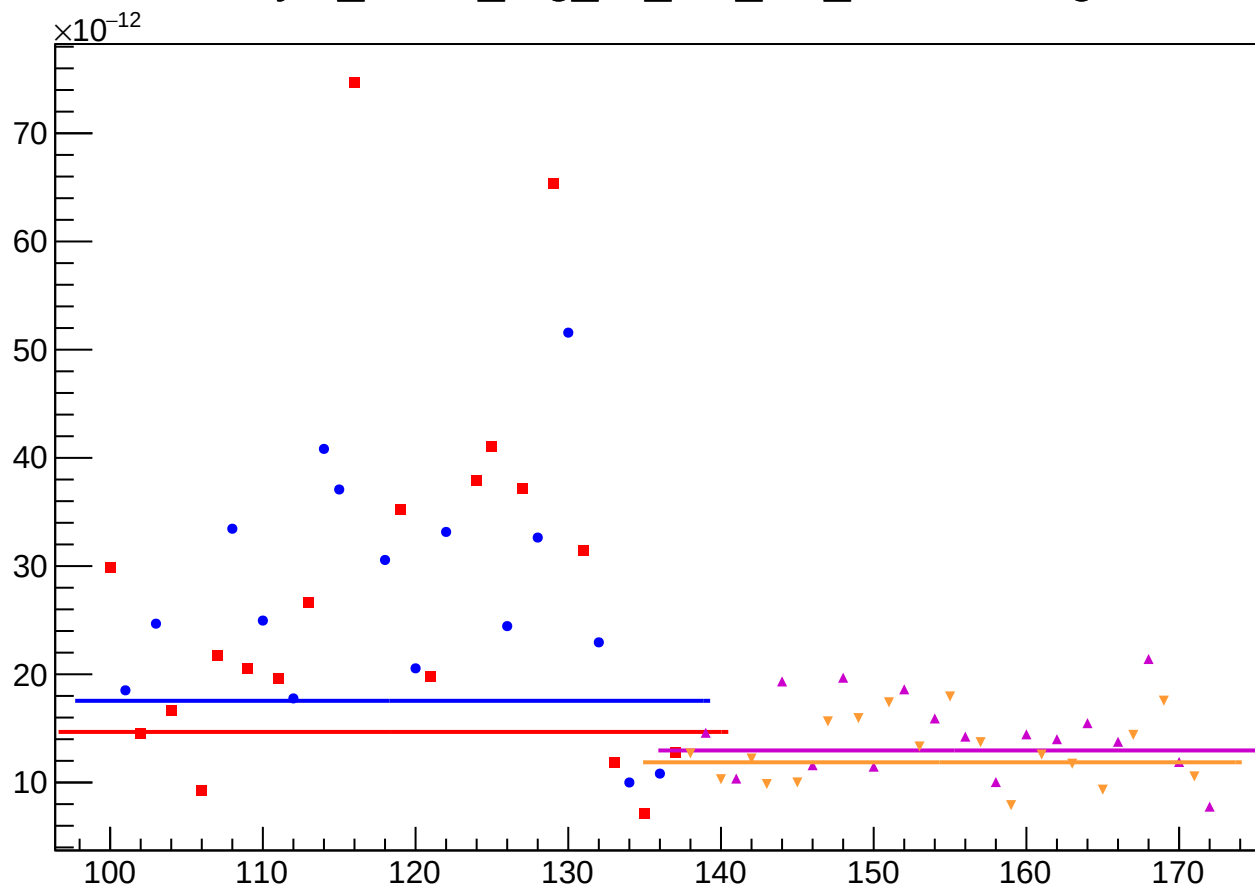
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.5/35

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

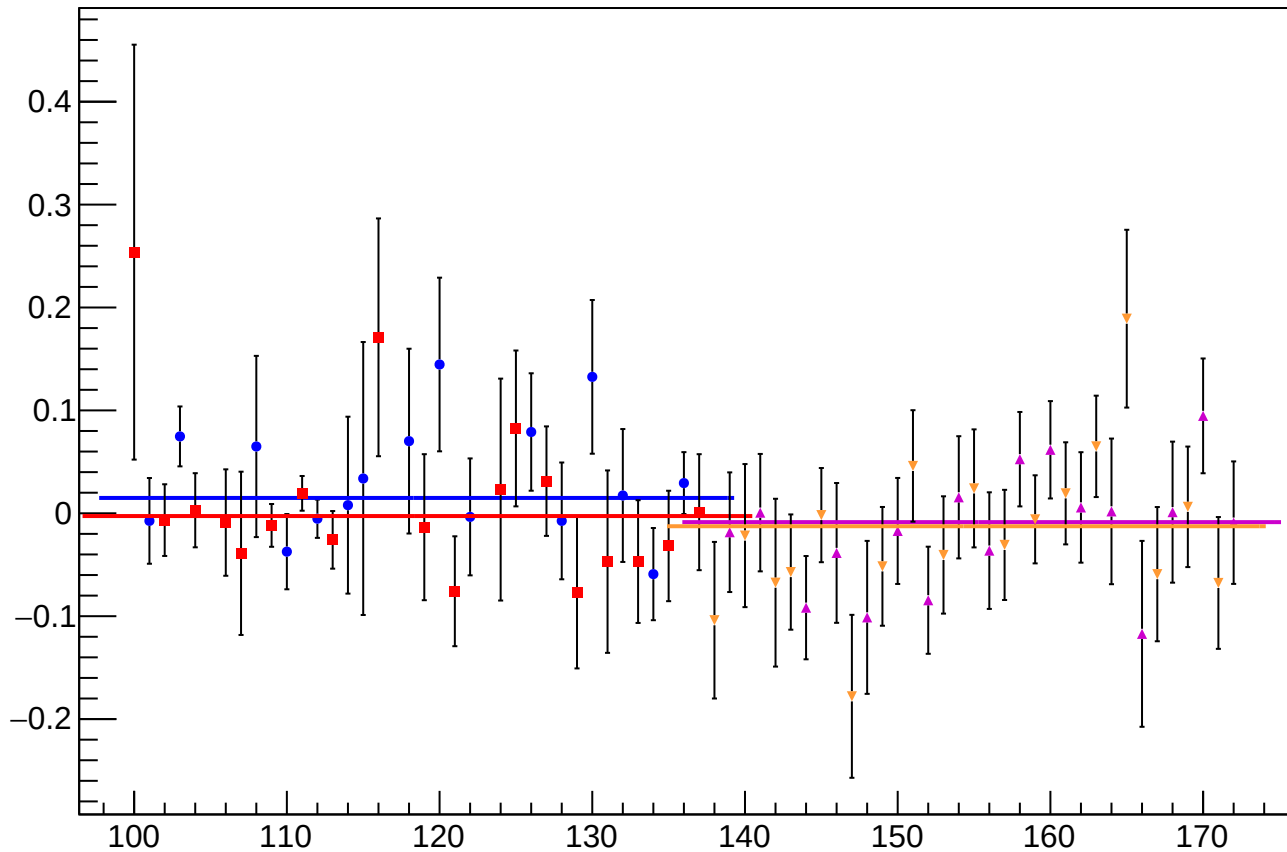
Left In: 0.000 +/- 0.000 χ^2/NDF : 709545.4/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 2229258.4/33

All: 0.000 +/- 0.000 χ^2/NDF : 4738644.4/69

- sign 0.000 +/- 0.000 χ^2/NDF : 2499242.8/35

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.013 ± 0.014 $\chi^2/\text{NDF}: 19.1/17$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

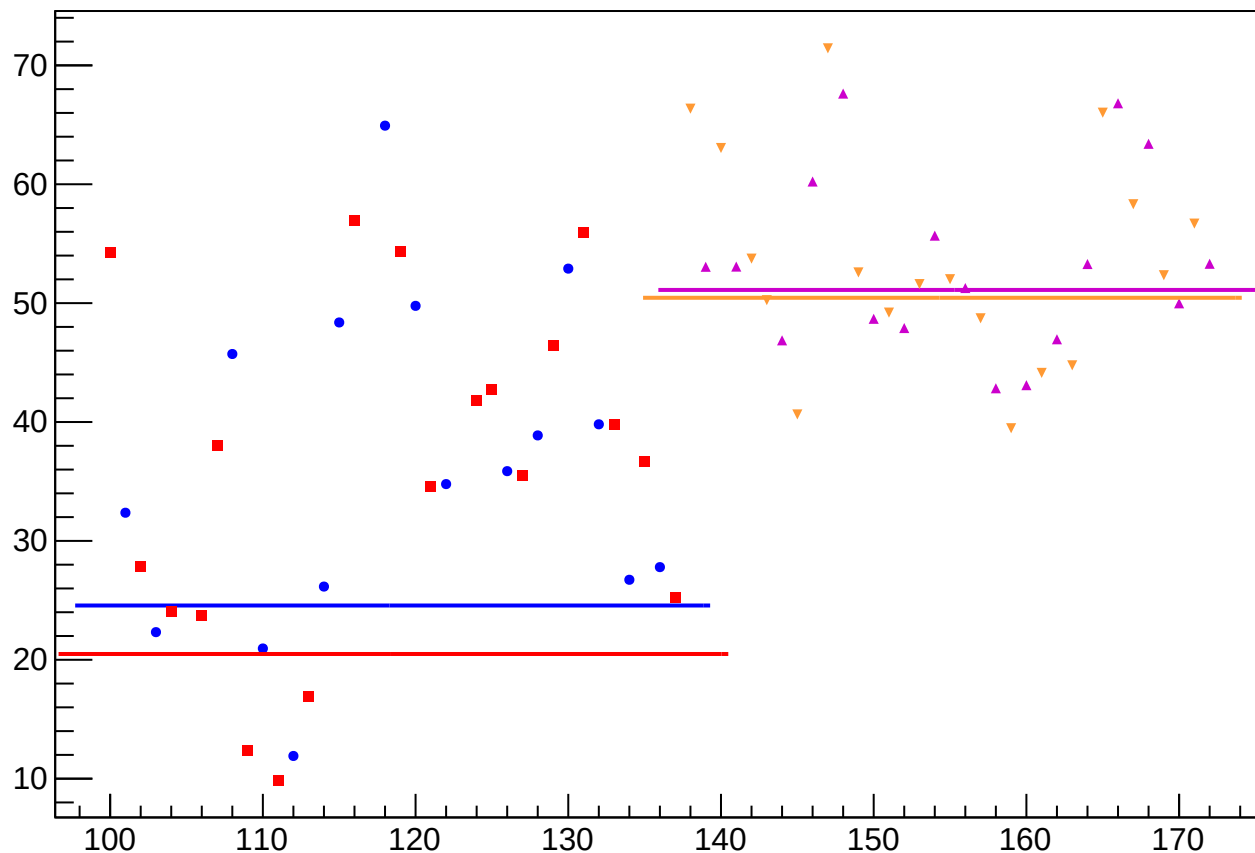
Left In: -0.009 ± 0.014 $\chi^2/\text{NDF}: 16.1/16$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 39.4/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 68.7/69$

- sign -0.004 ± 0.008 $\chi^2/\text{NDF}: 28.7/35$

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2/NDF : 2484530.5/15

Left Out: 50.451 $\pm$ 0.010 χ^2/NDF : 702575.9/17

Right Out: 20.488 $\pm$ 0.007 χ^2/NDF : 3583938.4/18

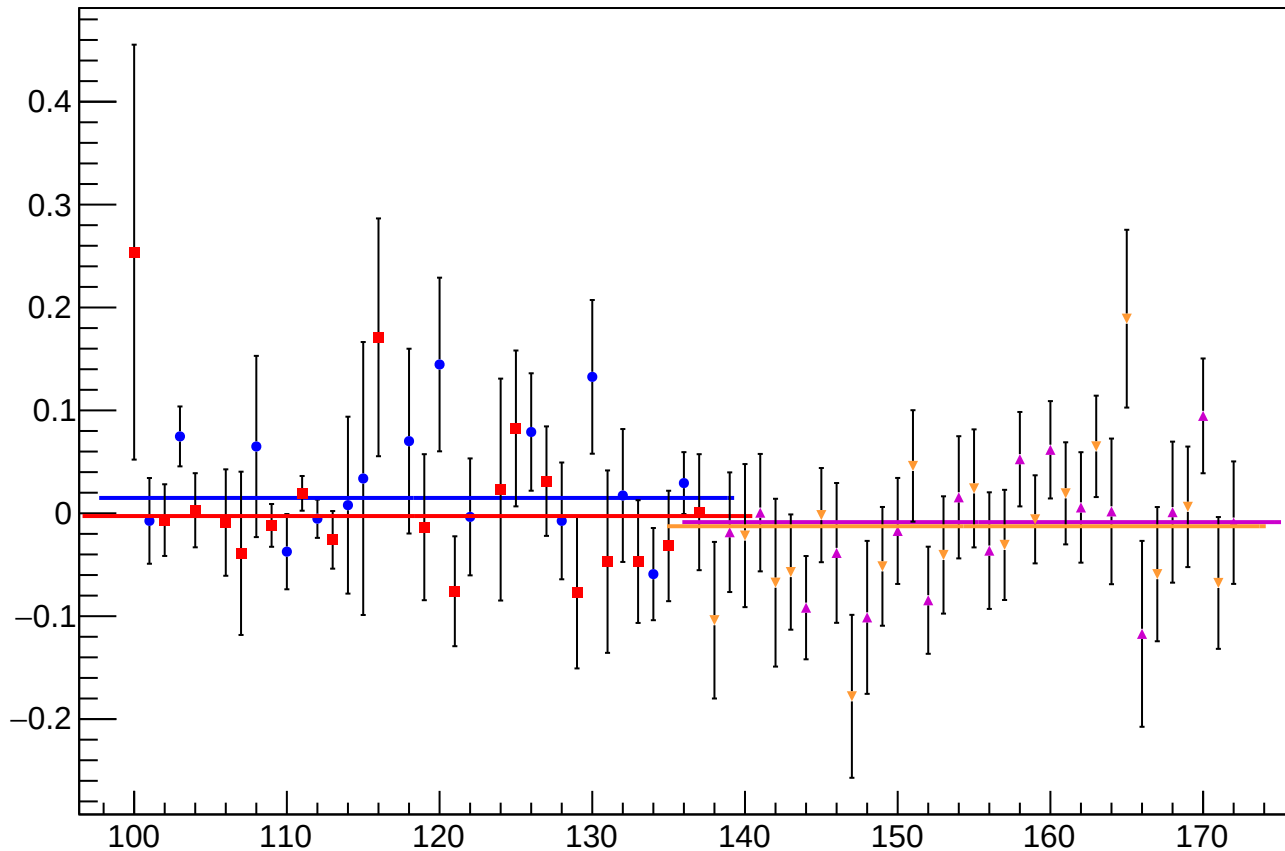
Left In: 51.111 $\pm$ 0.010 χ^2/NDF : 442060.9/16

+ sign 34.276 $\pm$ 0.006 χ^2/NDF : 7671803.3/33

All: 31.859 $\pm$ 0.004 χ^2/NDF : 18717597.5/69

- sign 29.816 $\pm$ 0.005 χ^2/NDF : 10737950.0/35

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.013 ± 0.014 $\chi^2/\text{NDF}: 19.1/17$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

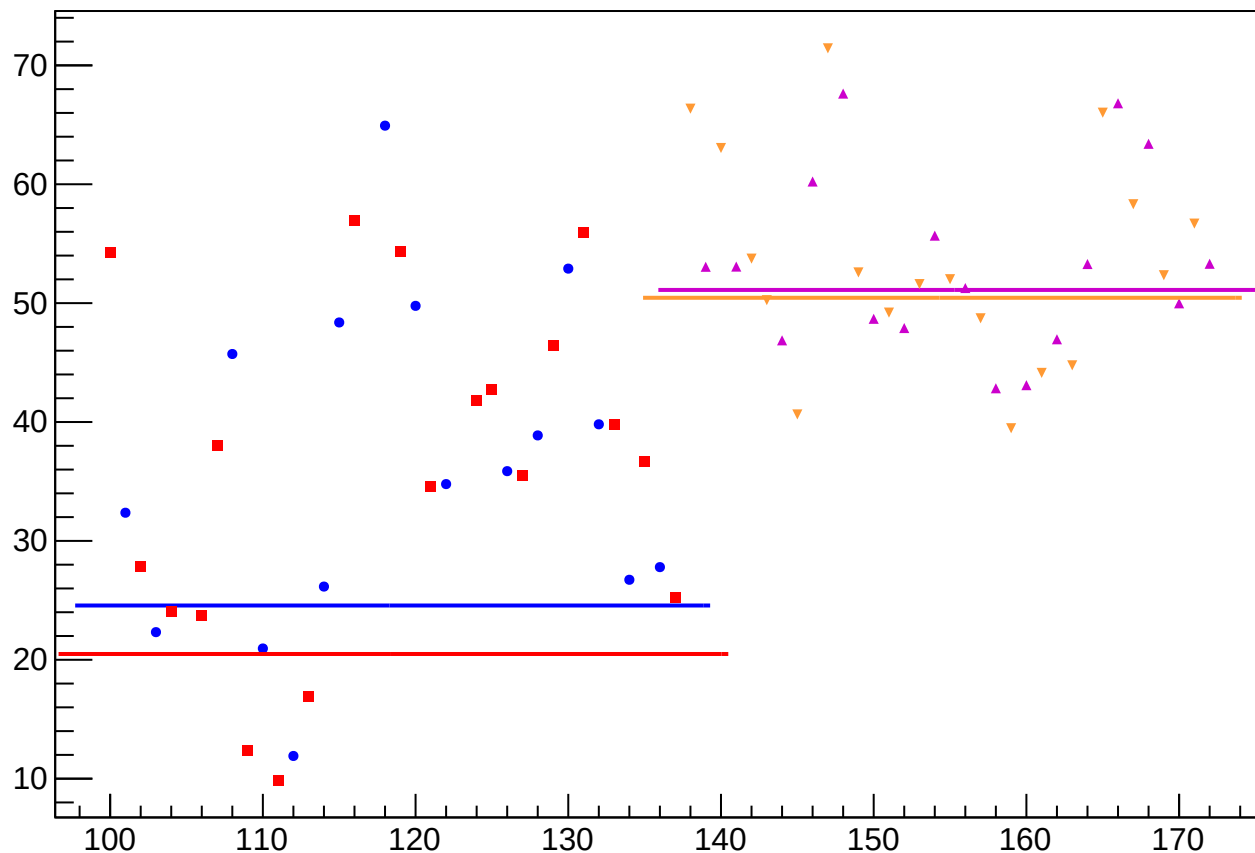
Left In: -0.009 ± 0.014 $\chi^2/\text{NDF}: 16.1/16$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 39.4/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 68.7/69$

- sign -0.004 ± 0.008 $\chi^2/\text{NDF}: 28.7/35$

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2 /NDF: 2484530.5/15

Left Out: 50.451 $\pm$ 0.010 χ^2 /NDF: 702575.9/17

Right Out: 20.488 $\pm$ 0.007 χ^2 /NDF: 3583938.4/18

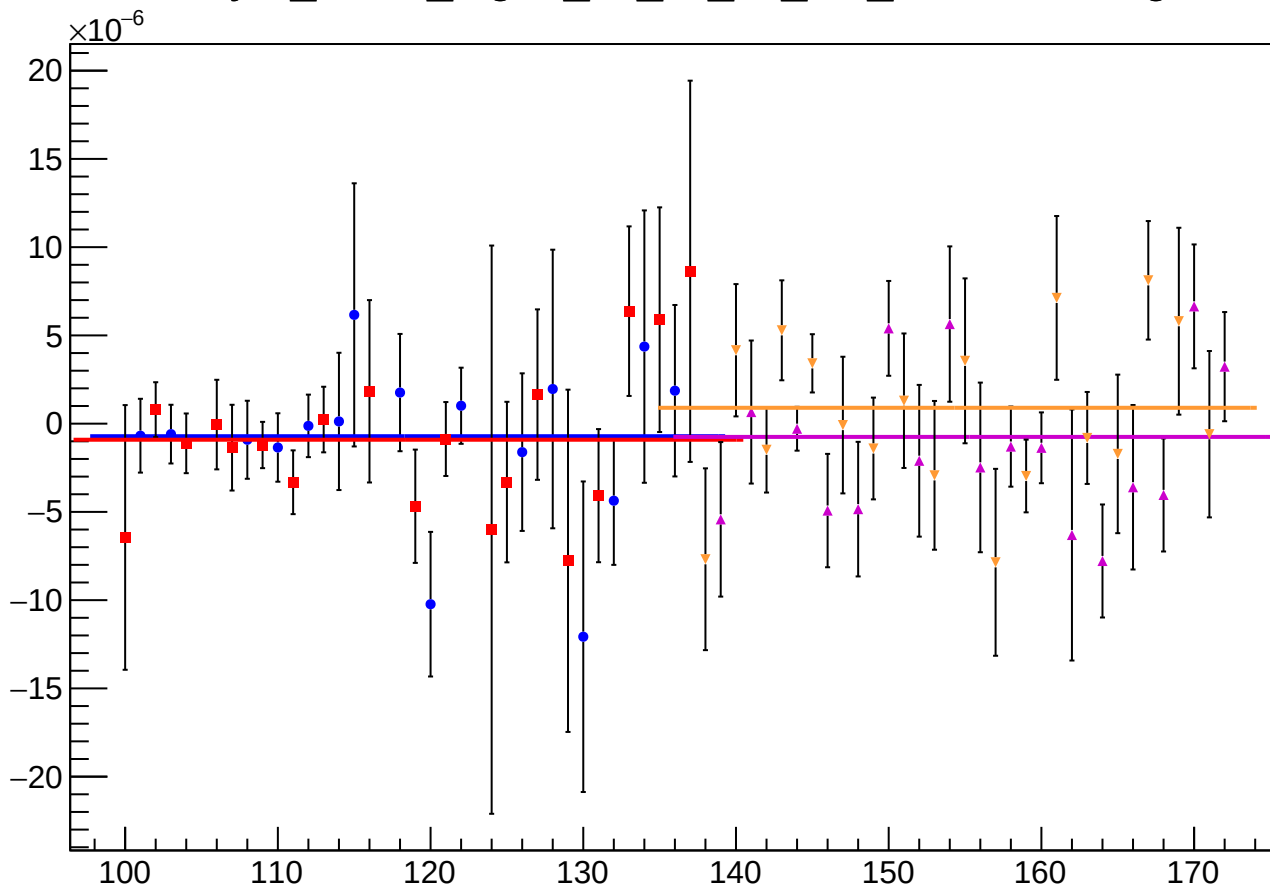
Left In: 51.111 $\pm$ 0.010 χ^2 /NDF: 442060.9/16

+ sign 34.276 $\pm$ 0.006 χ^2 /NDF: 7671803.3/33

All: 31.859 $\pm$ 0.004 χ^2 /NDF: 18717597.5/69

- sign 29.816 $\pm$ 0.005 χ^2 /NDF: 10737950.0/35

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.5/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.9/18

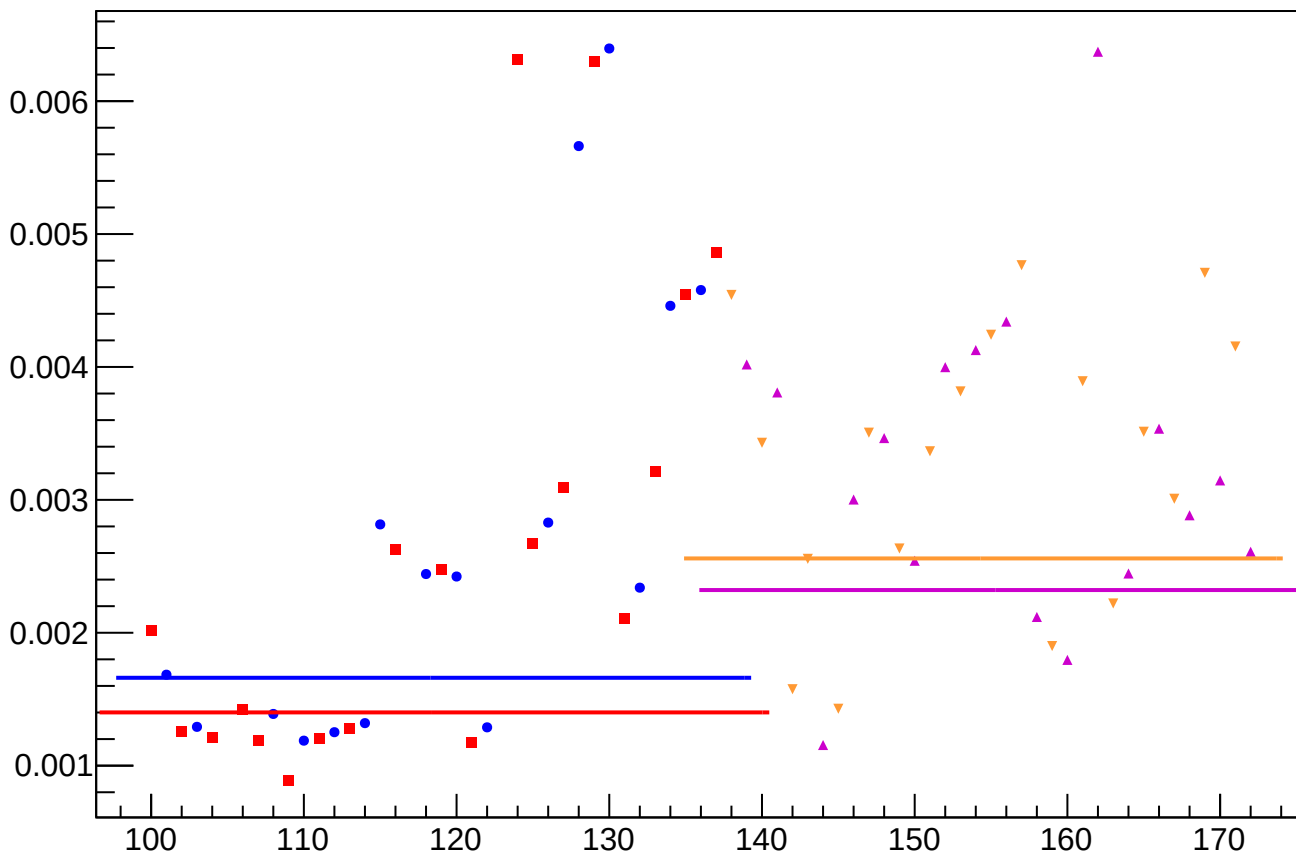
Left In: -0.000 ± 0.000 χ^2/NDF : 24.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 39.3/33

All: -0.000 ± 0.000 χ^2/NDF : 77.8/69

- sign -0.000 ± 0.000 χ^2/NDF : 36.8/35

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF : 3756376.1/17

Right Out: 0.001+/-0.000 χ^2/NDF : 2915624.2/18

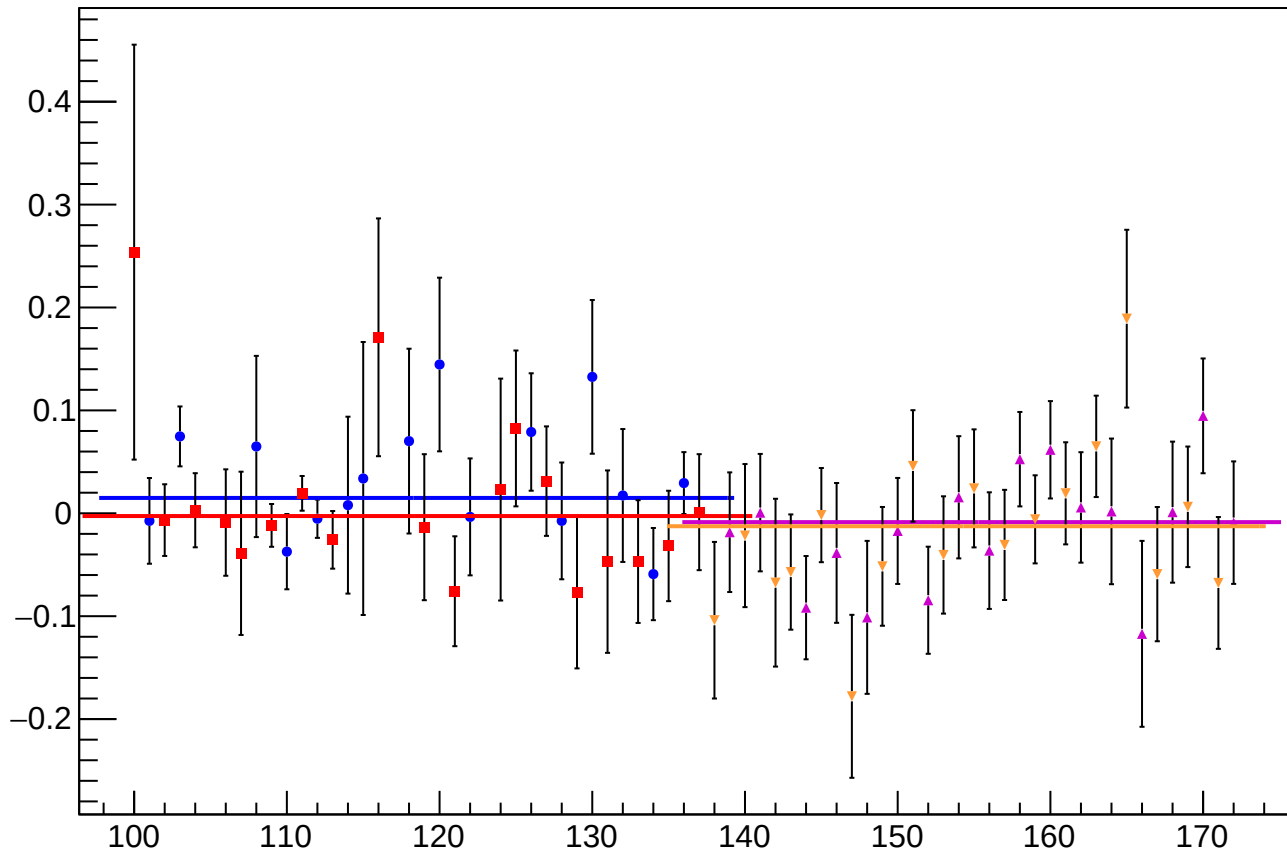
Left In: 0.002+/-0.000 χ^2/NDF : 4741094.5/16

+ sign 0.002+/-0.000 χ^2/NDF : 8247674.3/33

All: 0.002+/-0.000 χ^2/NDF : 18351096.8/69

- sign 0.002+/-0.000 χ^2/NDF : 9723123.3/35

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.013 ± 0.014 $\chi^2/\text{NDF}: 19.1/17$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

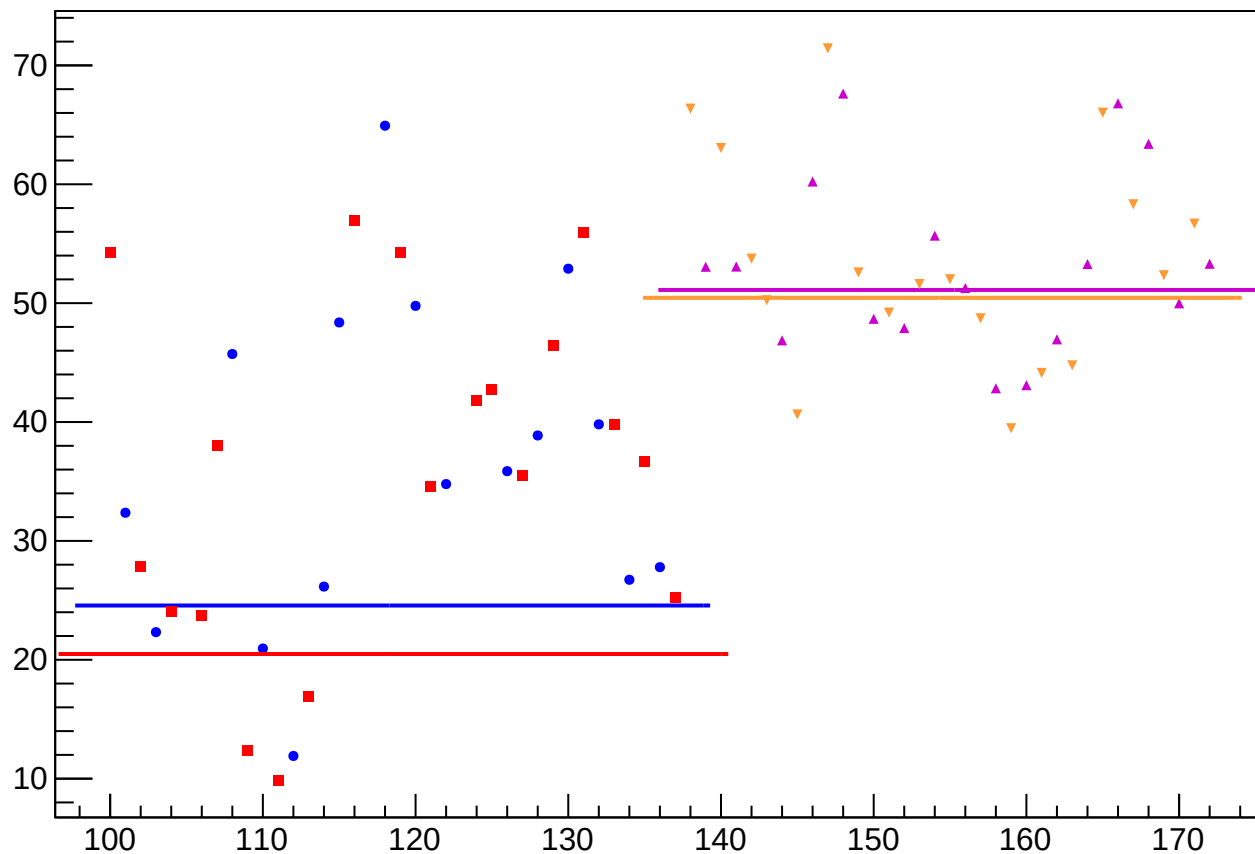
Left In: -0.009 ± 0.014 $\chi^2/\text{NDF}: 16.1/16$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 39.4/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 68.7/69$

- sign -0.004 ± 0.008 $\chi^2/\text{NDF}: 28.6/35$

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2/NDF : 2484434.5/15

Left Out: 50.451 $\pm$ 0.010 χ^2/NDF : 702702.4/17

Right Out: 20.487 $\pm$ 0.007 χ^2/NDF : 3583888.1/18

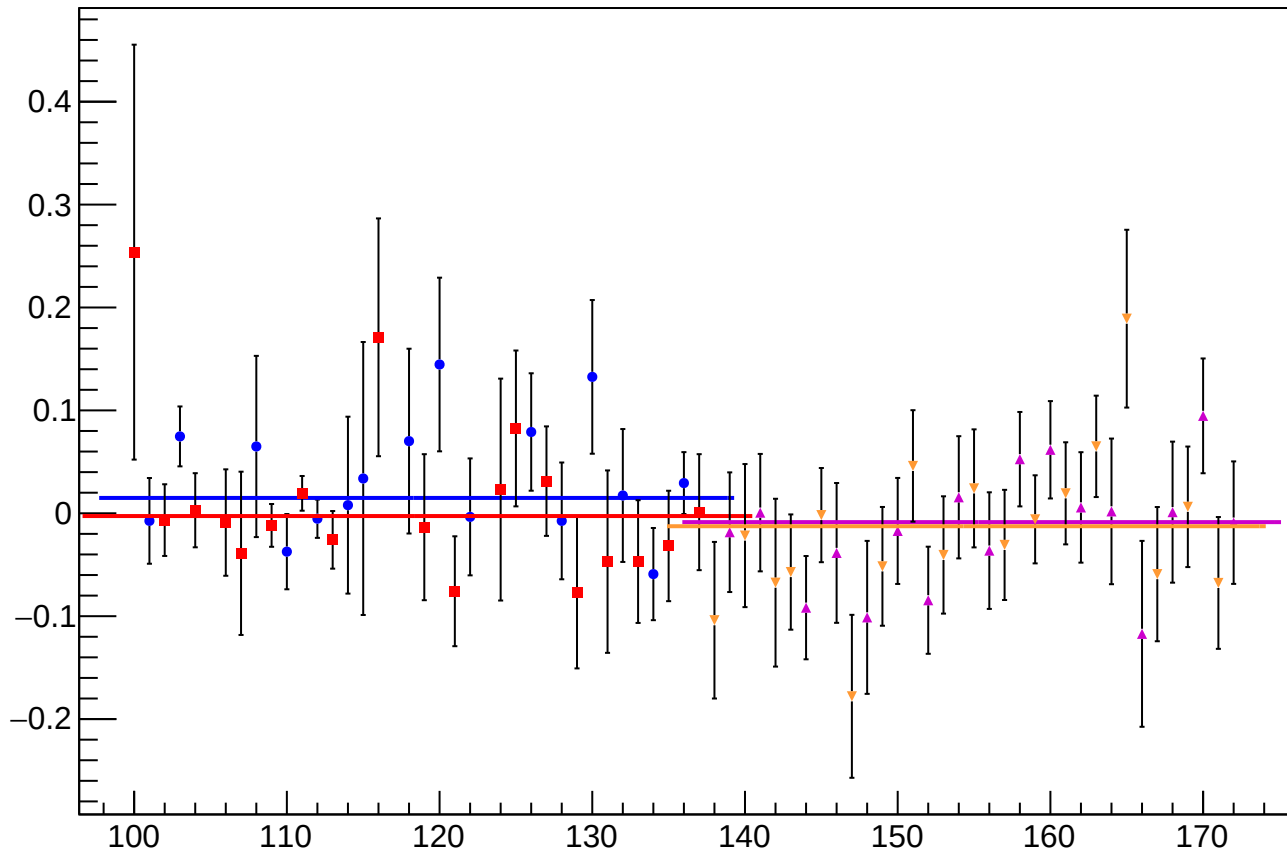
Left In: 51.111 $\pm$ 0.010 χ^2/NDF : 442159.9/16

+ sign 34.276 $\pm$ 0.006 χ^2/NDF : 7672079.3/33

All: 31.858 $\pm$ 0.004 χ^2/NDF : 18718282.7/69

- sign 29.816 $\pm$ 0.005 χ^2/NDF : 10738337.6/35

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.011 $\chi^2/\text{NDF}: 17.8/15$

Left Out: -0.013 ± 0.014 $\chi^2/\text{NDF}: 19.1/17$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 12.5/18$

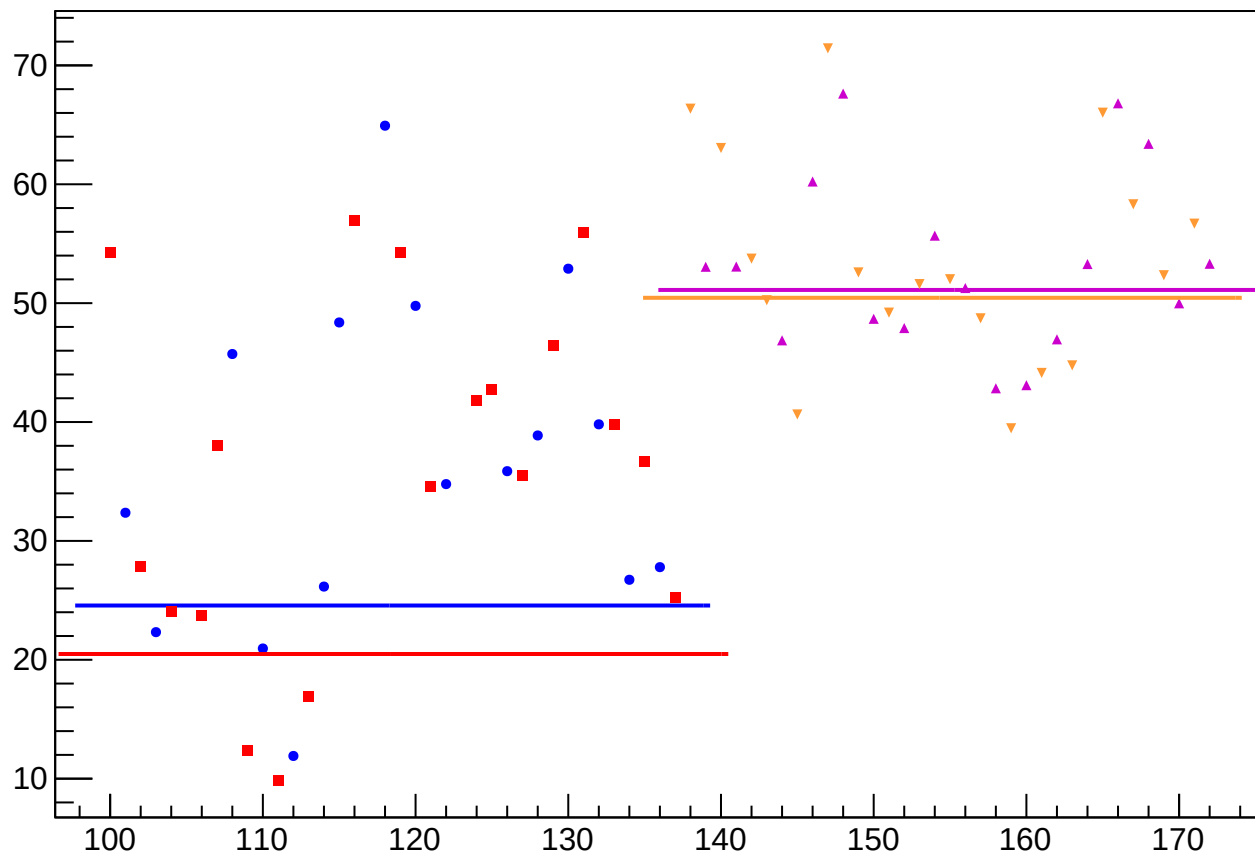
Left In: -0.009 ± 0.014 $\chi^2/\text{NDF}: 16.1/16$

+ sign 0.005 ± 0.008 $\chi^2/\text{NDF}: 39.4/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 68.7/69$

- sign -0.004 ± 0.008 $\chi^2/\text{NDF}: 28.6/35$

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.566 $\pm$ 0.007 χ^2/NDF : 2484434.5/15

Left Out: 50.451 $\pm$ 0.010 χ^2/NDF : 702702.4/17

Right Out: 20.487 $\pm$ 0.007 χ^2/NDF : 3583888.1/18

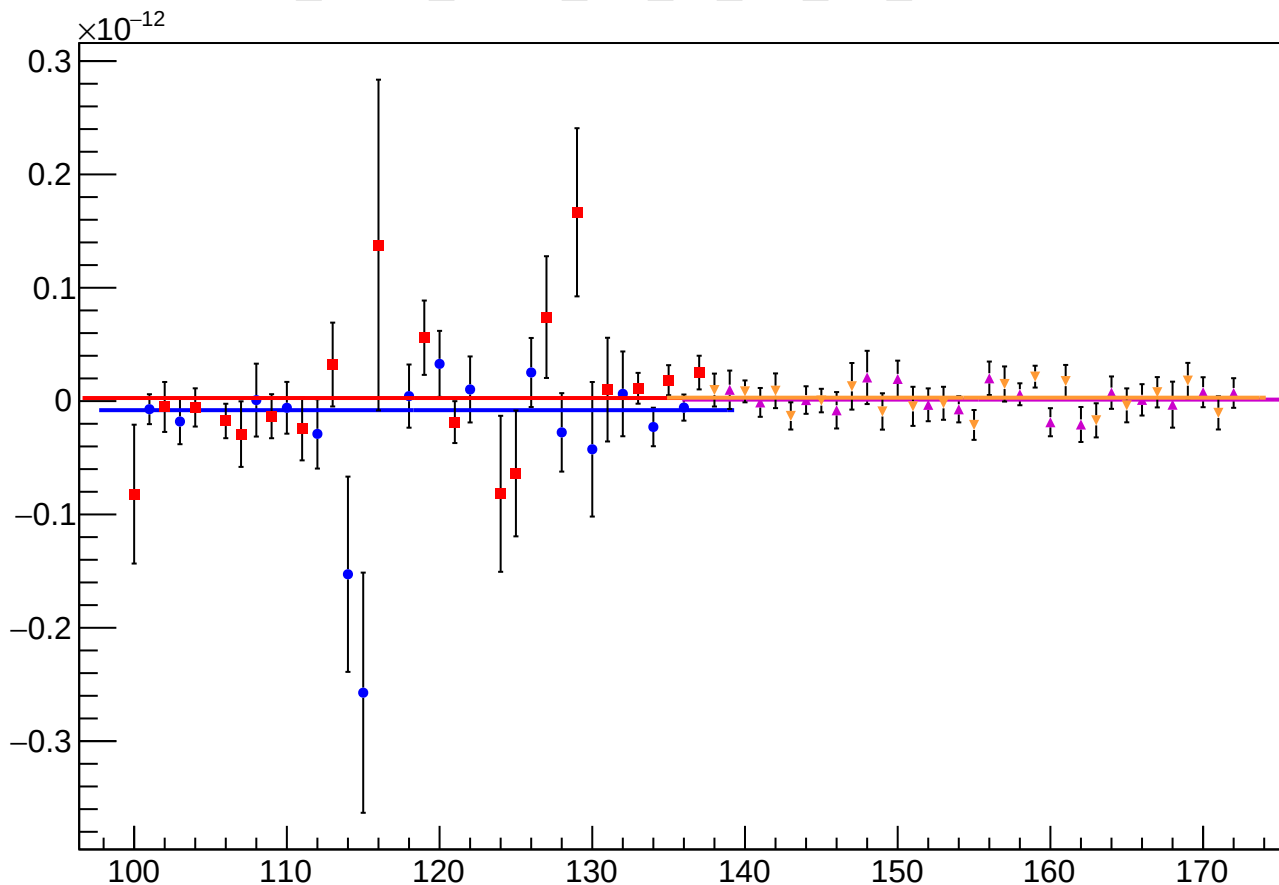
Left In: 51.111 $\pm$ 0.010 χ^2/NDF : 442159.9/16

+ sign 34.276 $\pm$ 0.006 χ^2/NDF : 7672079.3/33

All: 31.858 $\pm$ 0.004 χ^2/NDF : 18718282.7/69

- sign 29.816 $\pm$ 0.005 χ^2/NDF : 10738337.6/35

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.3/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.1/18

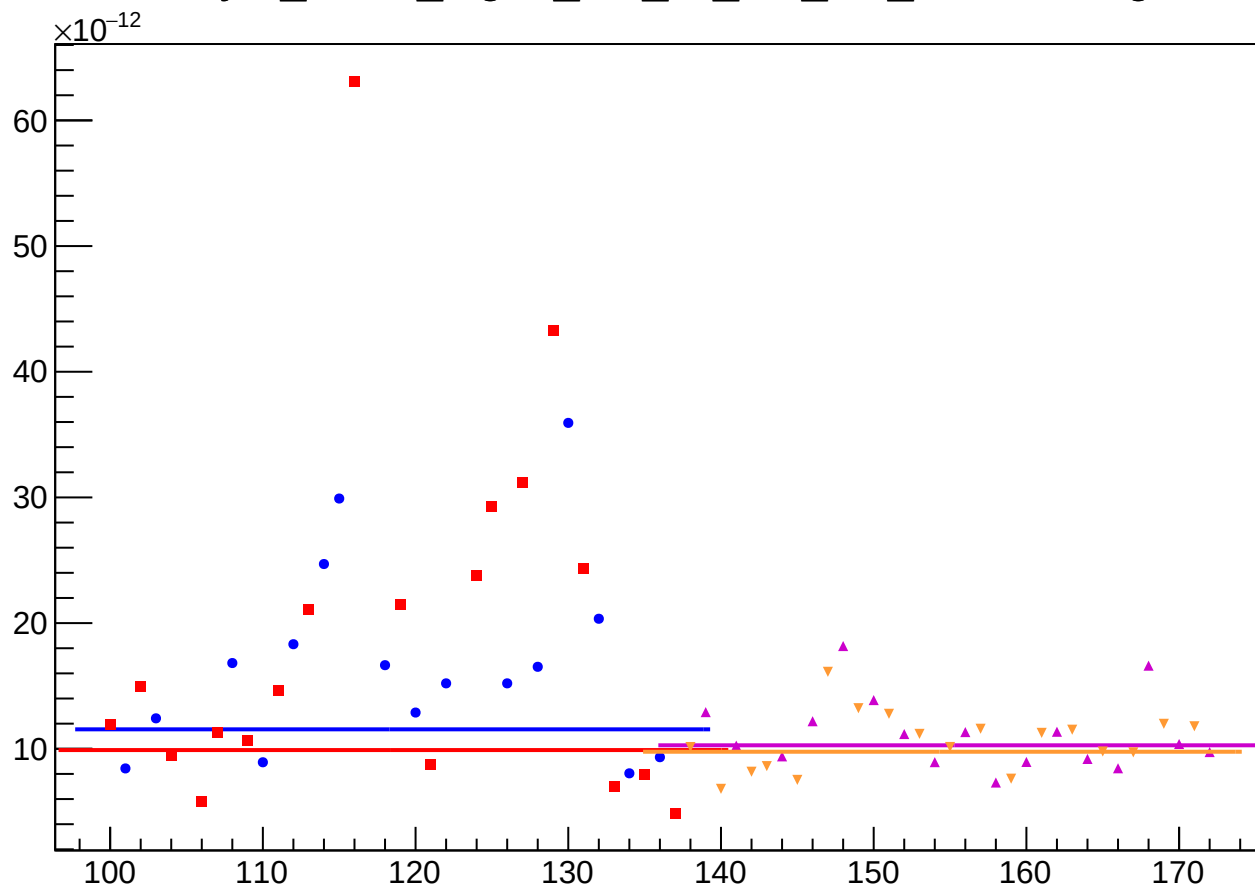
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 70.2/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.6/35

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 942564.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2635766.2/18

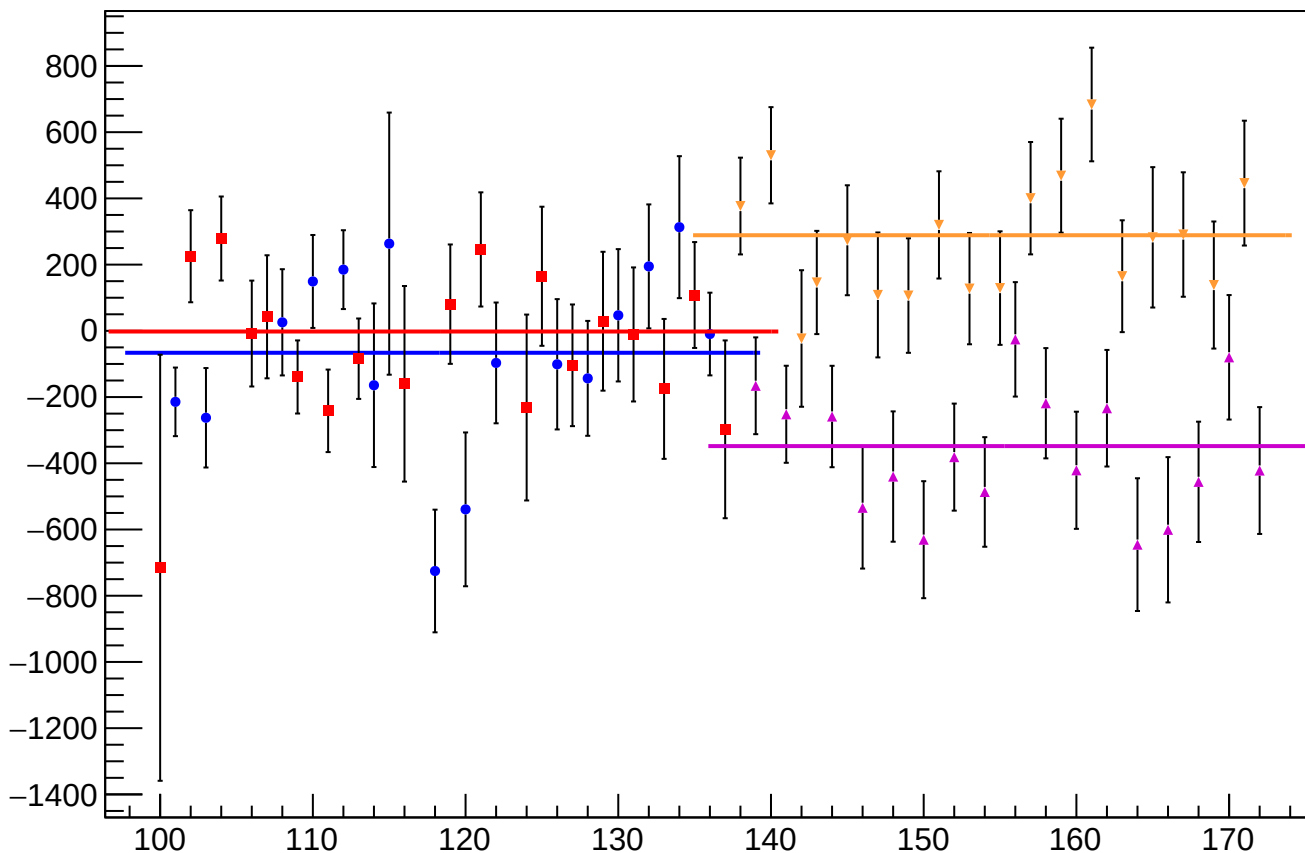
Left In: 0.000+/-0.000 χ^2/NDF : 922923.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 2268673.9/33

All: 0.000+/-0.000 χ^2/NDF : 5834895.4/69

- sign 0.000+/-0.000 χ^2/NDF : 3566197.1/35

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

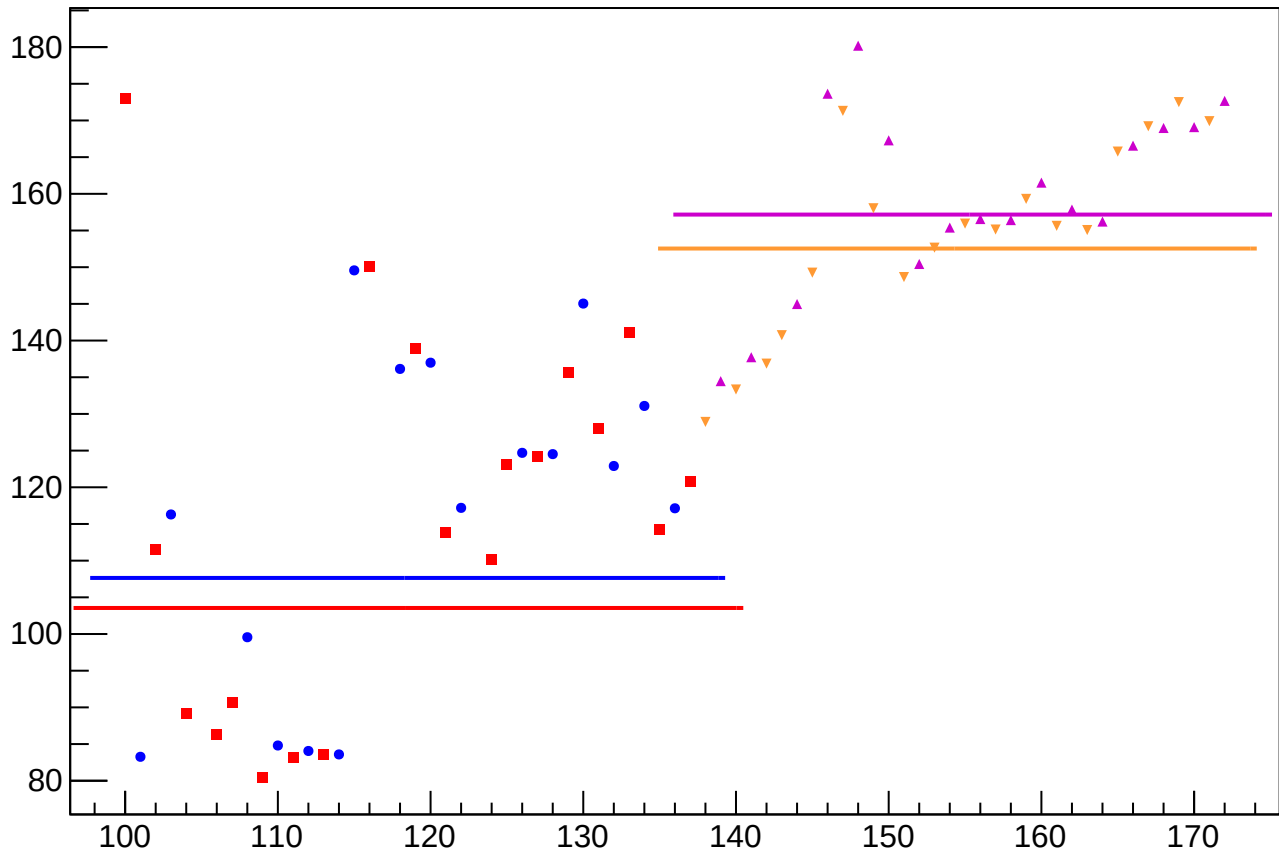
Left In: -348.090 ± 42.124 χ^2/NDF : 17.6/16

+ sign 112.847 ± 28.816 χ^2/NDF : 91.1/33

All: -25.354 ± 20.287 χ^2/NDF : 211.9/69

- sign -161.155 ± 28.565 χ^2/NDF : 75.2/35

reg_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532821.7/15

Left Out: 152.543 $\pm$ 0.029 χ^2 /NDF: 201573.3/17

Right Out: 103.550 $\pm$ 0.027 χ^2 /NDF: 617345.0/18

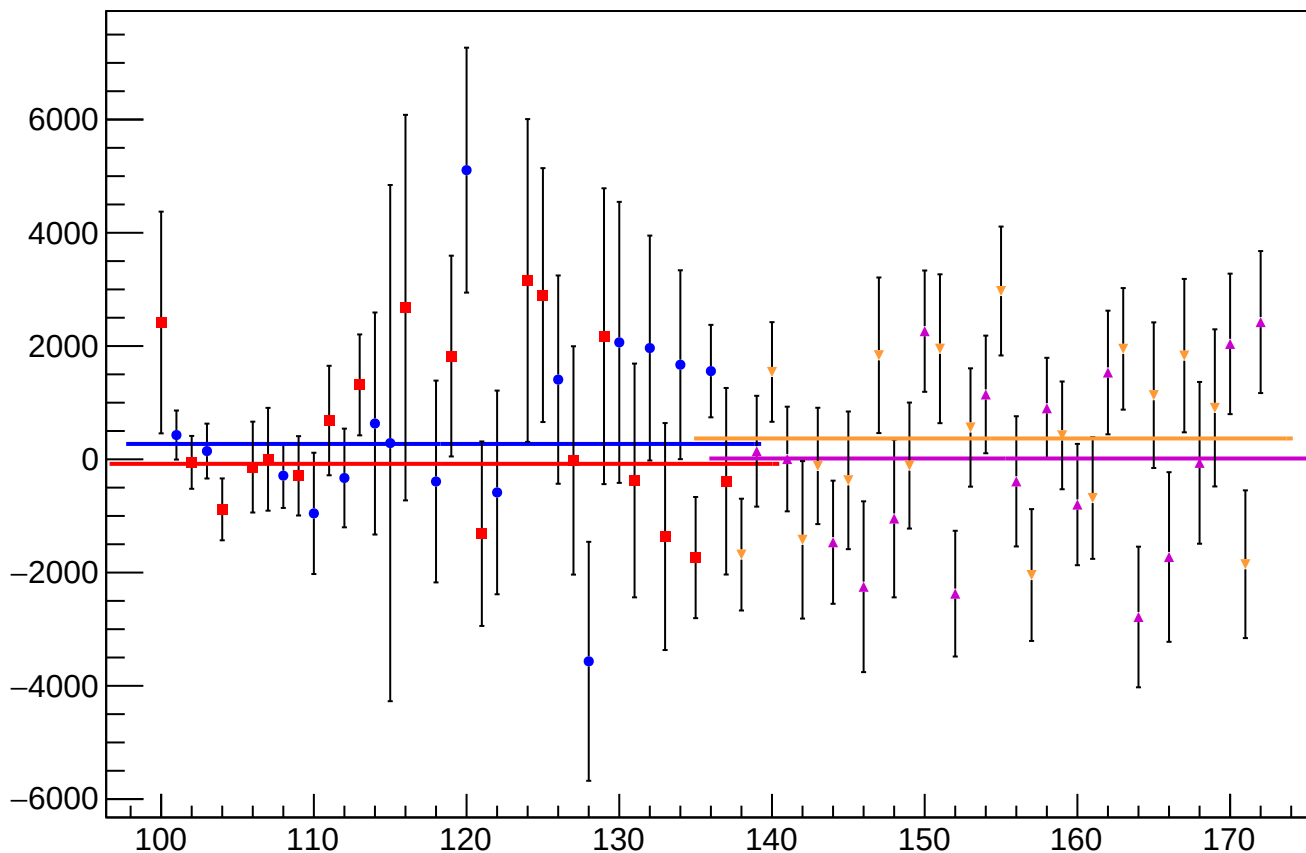
Left In: 157.171 $\pm$ 0.030 χ^2 /NDF: 184440.3/16

+ sign 130.296 $\pm$ 0.020 χ^2 /NDF: 1948152.7/33

All: 129.242 $\pm$ 0.014 χ^2 /NDF: 4505759.9/69

- sign 128.207 $\pm$ 0.020 χ^2 /NDF: 2552308.2/35

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

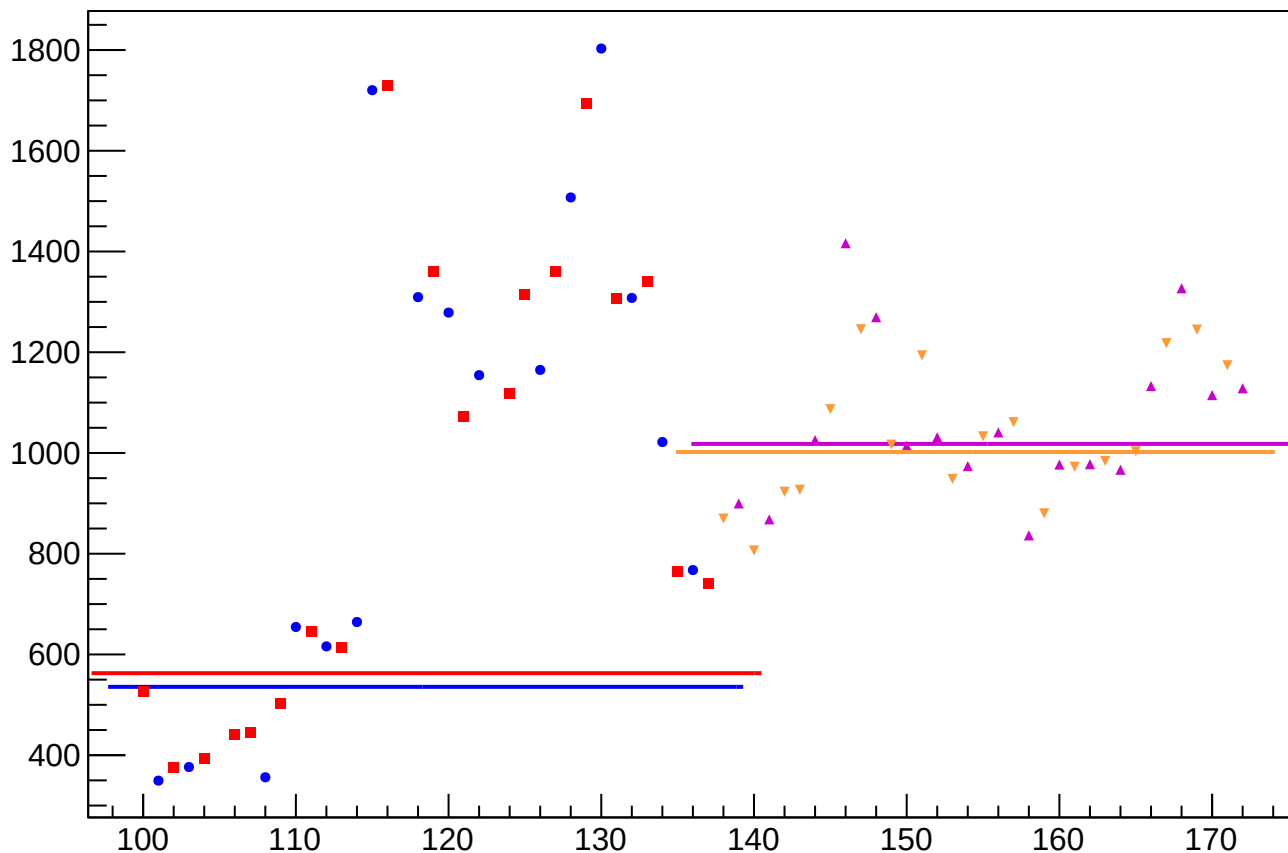
Left In: 14.474 ± 274.980 χ^2/NDF : 31.3/16

+ sign 312.567 ± 174.889 χ^2/NDF : 44.9/33

All: 138.420 ± 124.540 χ^2/NDF : 94.4/69

- sign -40.739 ± 177.389 χ^2/NDF : 47.4/35

asym_sam6_reg_correction_rms vs Slug



Right In: 535.683 $\pm$ 0.163 χ^2 /NDF: 3632390.5/15

Left Out: 1001.842 $\pm$ 0.190 χ^2 /NDF: 461122.2/17

Right Out: 562.845 $\pm$ 0.164 χ^2 /NDF: 3111031.5/18

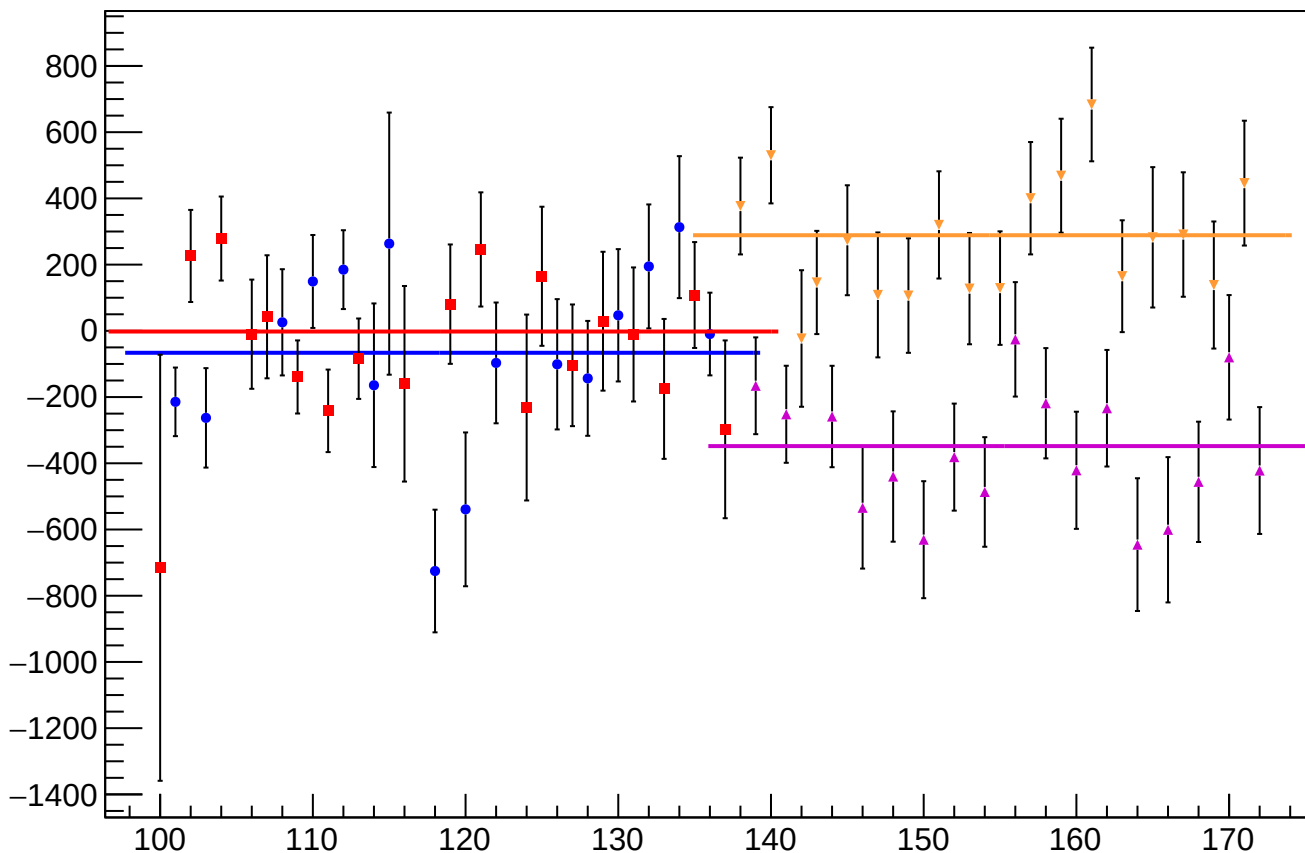
Left In: 1018.018 $\pm$ 0.194 χ^2 /NDF: 516755.8/16

+ sign 733.859 $\pm$ 0.124 χ^2 /NDF: 7566167.3/33

All: 742.932 $\pm$ 0.088 χ^2 /NDF: 14404369.8/69

- sign 752.266 $\pm$ 0.125 χ^2 /NDF: 6827282.7/35

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

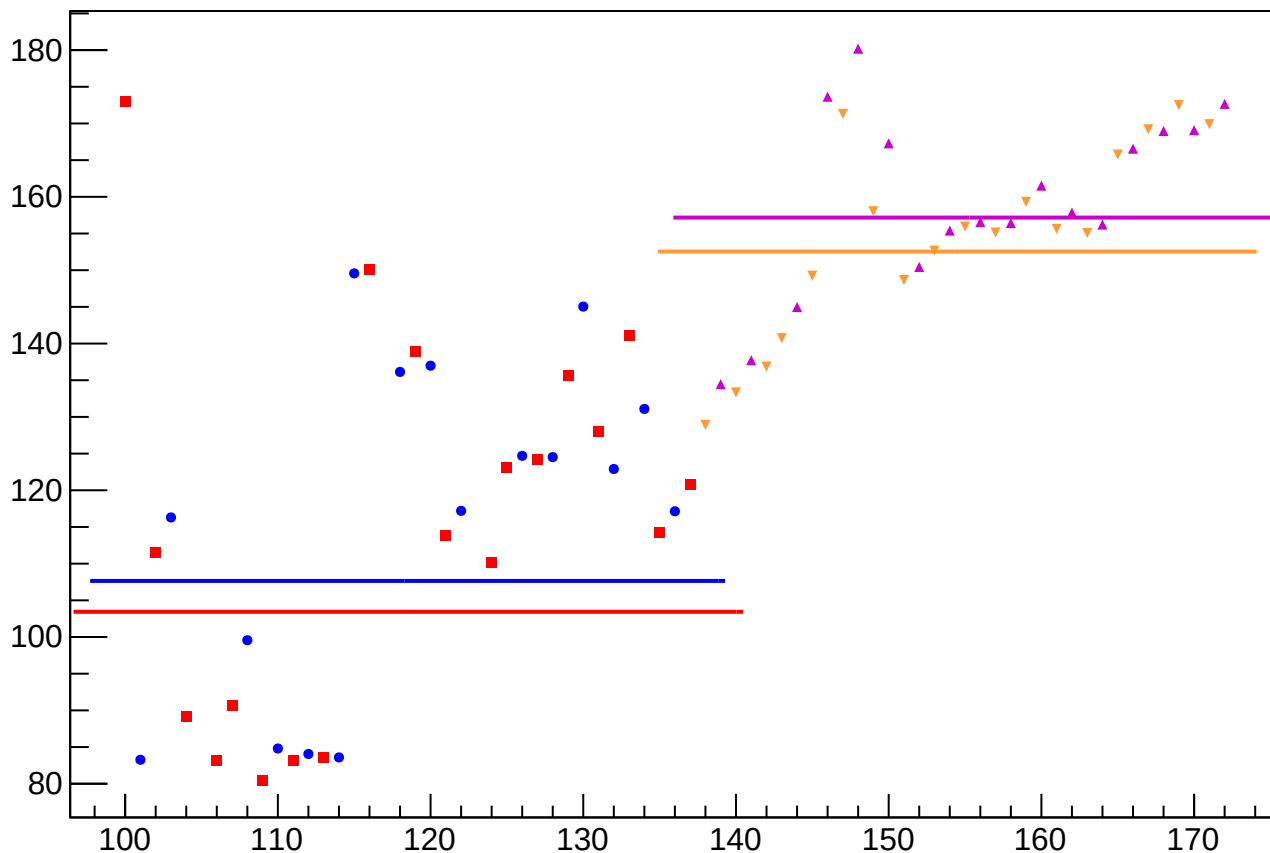
Left In: -348.094 ± 42.124 χ^2/NDF : 17.6/16

+ sign 112.832 ± 28.816 χ^2/NDF : 91.1/33

All: -25.398 ± 20.297 χ^2/NDF : 211.9/69

- sign -161.491 ± 28.593 χ^2/NDF : 75.1/35

cor_asym_sam6_rms vs Slug



Right In: 107.644 $\pm$ 0.029 χ^2 /NDF: 532822.8/15

Left Out: 152.543 $\pm$ 0.029 χ^2 /NDF: 201573.3/17

Right Out: 103.438 $\pm$ 0.028 χ^2 /NDF: 624750.2/18

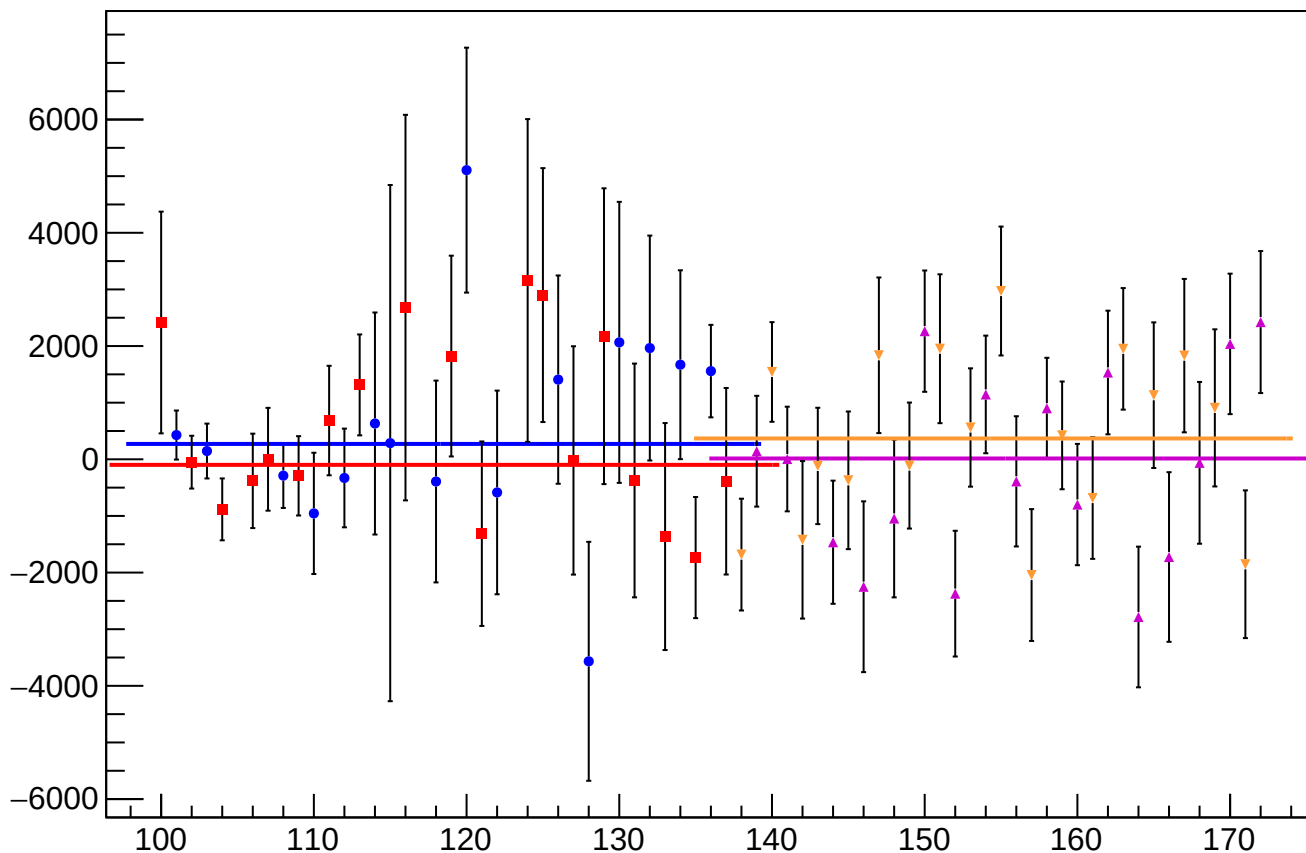
Left In: 157.171 $\pm$ 0.030 χ^2 /NDF: 184440.3/16

+ sign 130.296 $\pm$ 0.020 χ^2 /NDF: 1948150.7/33

All: 129.237 $\pm$ 0.014 χ^2 /NDF: 4517629.3/69

- sign 128.195 $\pm$ 0.020 χ^2 /NDF: 2564121.6/35

asym_sam6_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: 368.097 $\pm$ 268.228 χ^2 /NDF: 28.4/17

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

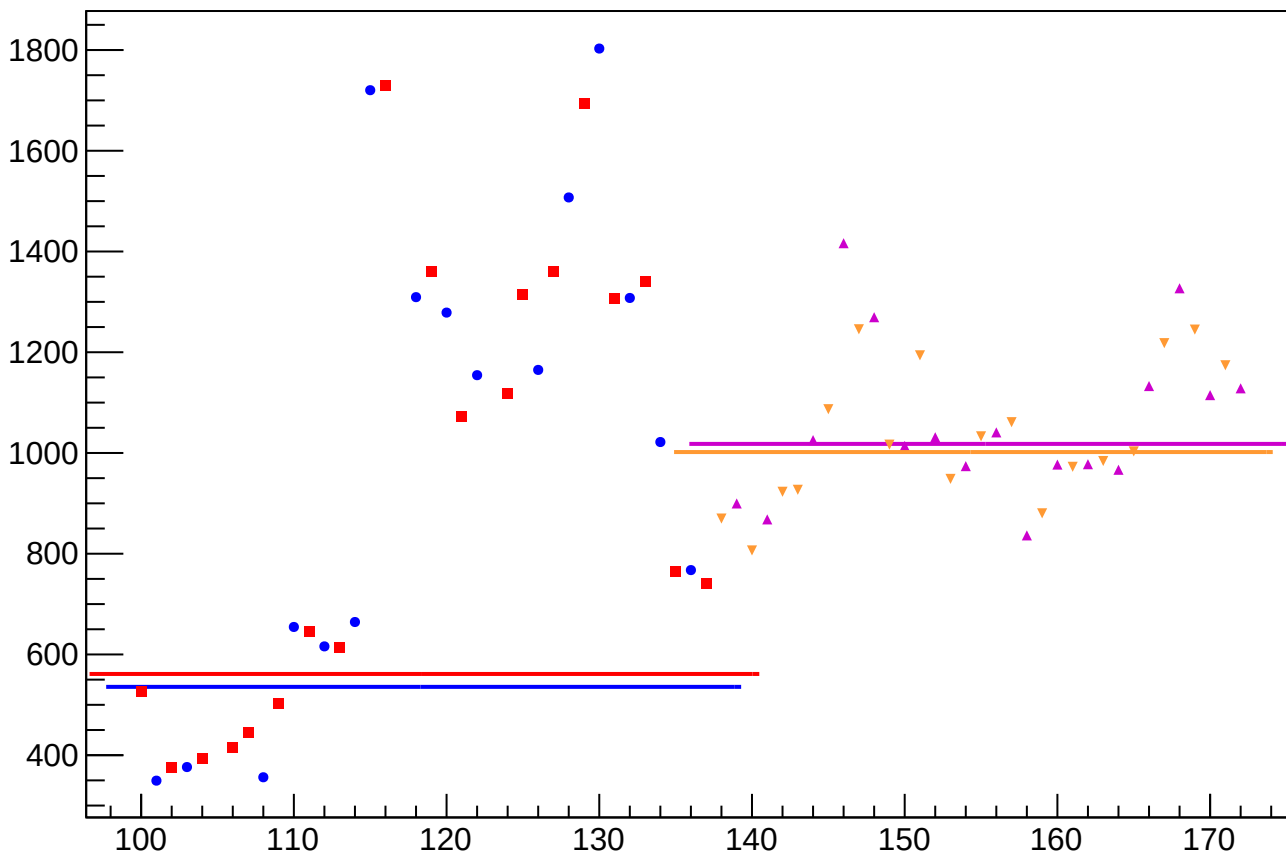
Left In: 14.475 $\pm$ 274.980 χ^2 /NDF: 31.3/16

+ sign 312.648 $\pm$ 174.886 χ^2 /NDF: 44.9/33

All: 133.714 $\pm$ 124.635 χ^2 /NDF: 94.6/69

- sign -50.956 $\pm$ 177.668 χ^2 /NDF: 47.6/35

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

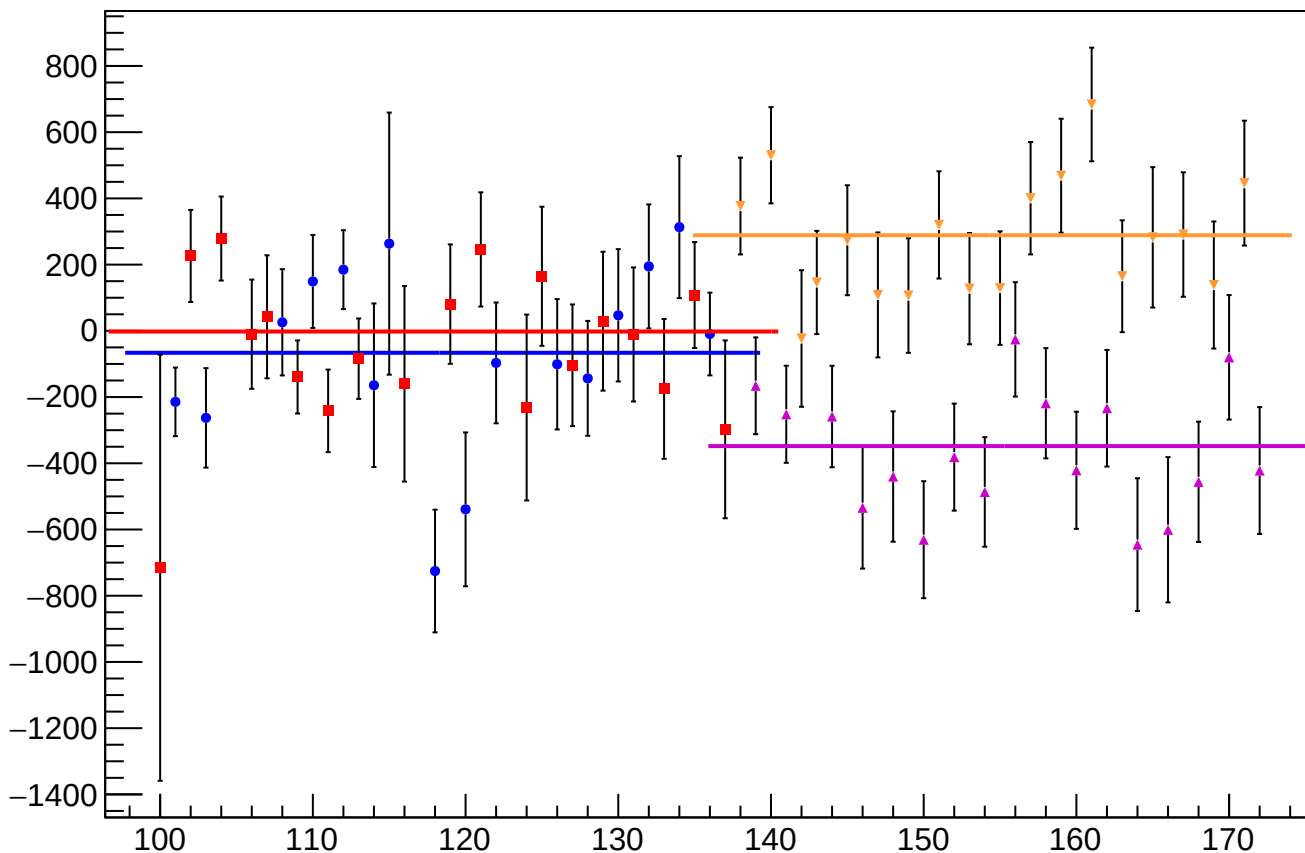
Left In: 1018.018 ± 0.194 χ^2/NDF : 516754.7/16

+ sign 733.840 ± 0.124 χ^2/NDF : 7566787.0/33

All: 742.750 ± 0.088 χ^2/NDF : 14439302.0/69

- sign 751.945 ± 0.126 χ^2/NDF : 6861966.9/35

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

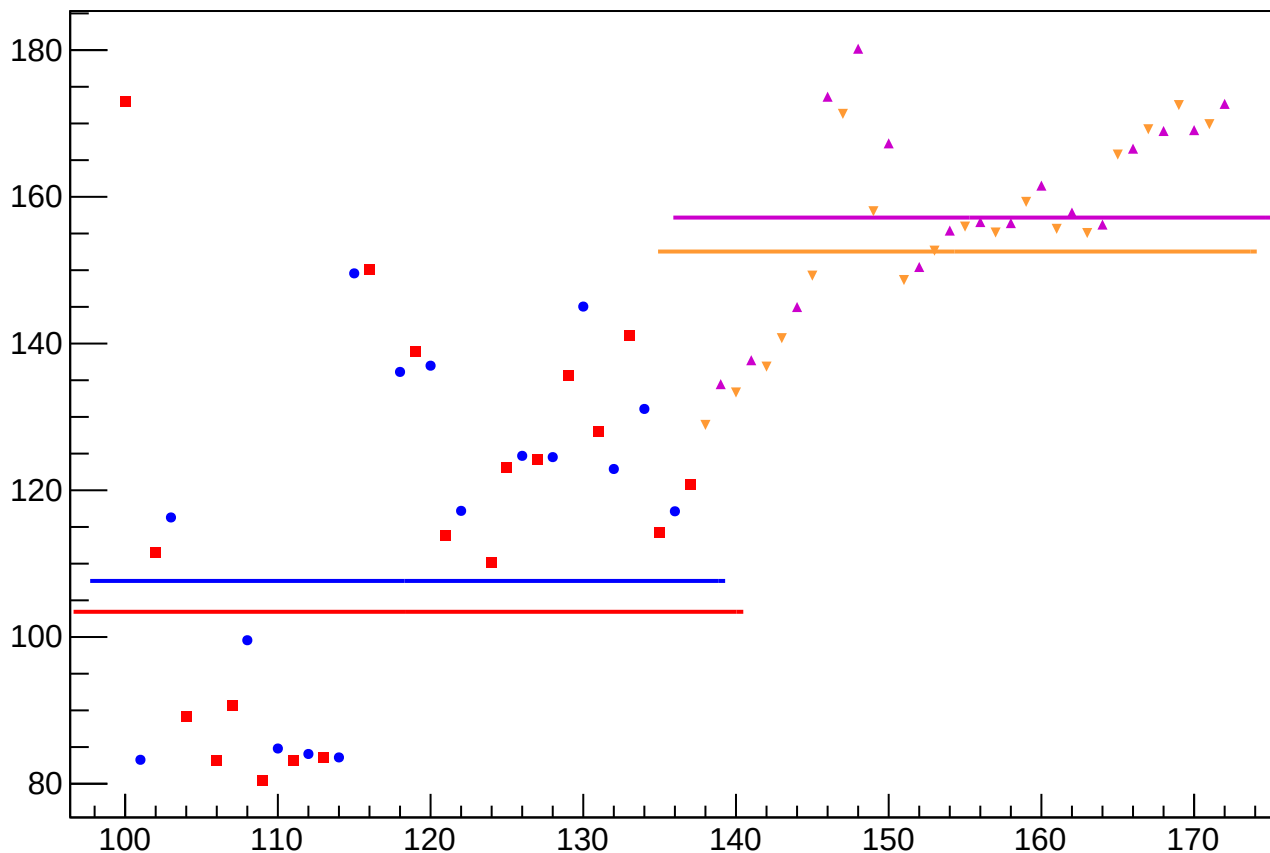
Left In: -348.094 ± 42.124 χ^2/NDF : 17.6/16

+ sign 112.832 ± 28.816 χ^2/NDF : 91.1/33

All: -25.398 ± 20.297 χ^2/NDF : 211.9/69

- sign -161.491 ± 28.593 χ^2/NDF : 75.1/35

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

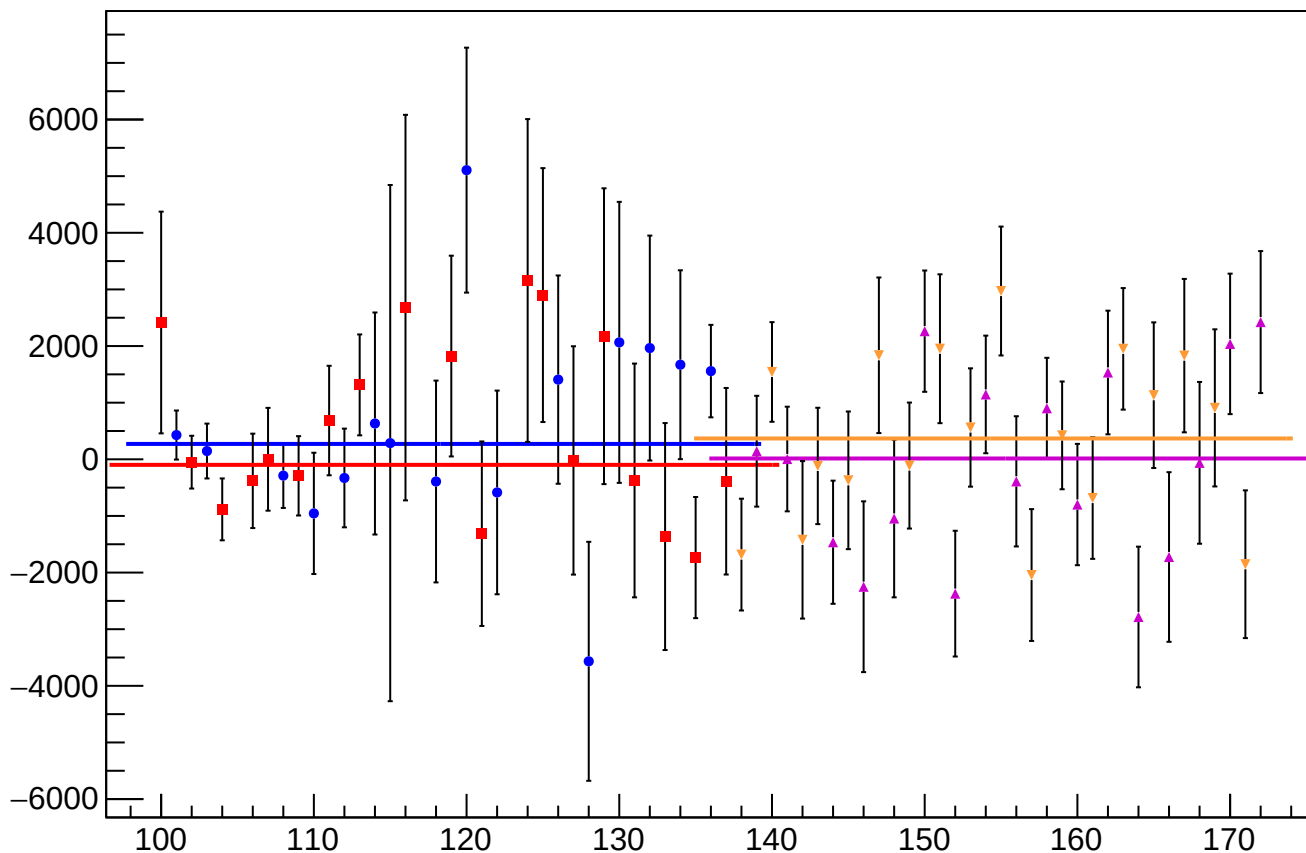
Left In: 157.171+/-0.030 χ^2/NDF : 184440.3/16

+ sign 130.296+/-0.020 χ^2/NDF : 1948150.7/33

All: 129.237+/-0.014 χ^2/NDF : 4517629.3/69

- sign 128.195+/-0.020 χ^2/NDF : 2564121.6/35

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 271.645 $\pm$ 230.655 χ^2 /NDF: 16.5/15

Left Out: 368.097 $\pm$ 268.228 χ^2 /NDF: 28.4/17

Right Out: -97.847 $\pm$ 232.781 χ^2 /NDF: 16.1/18

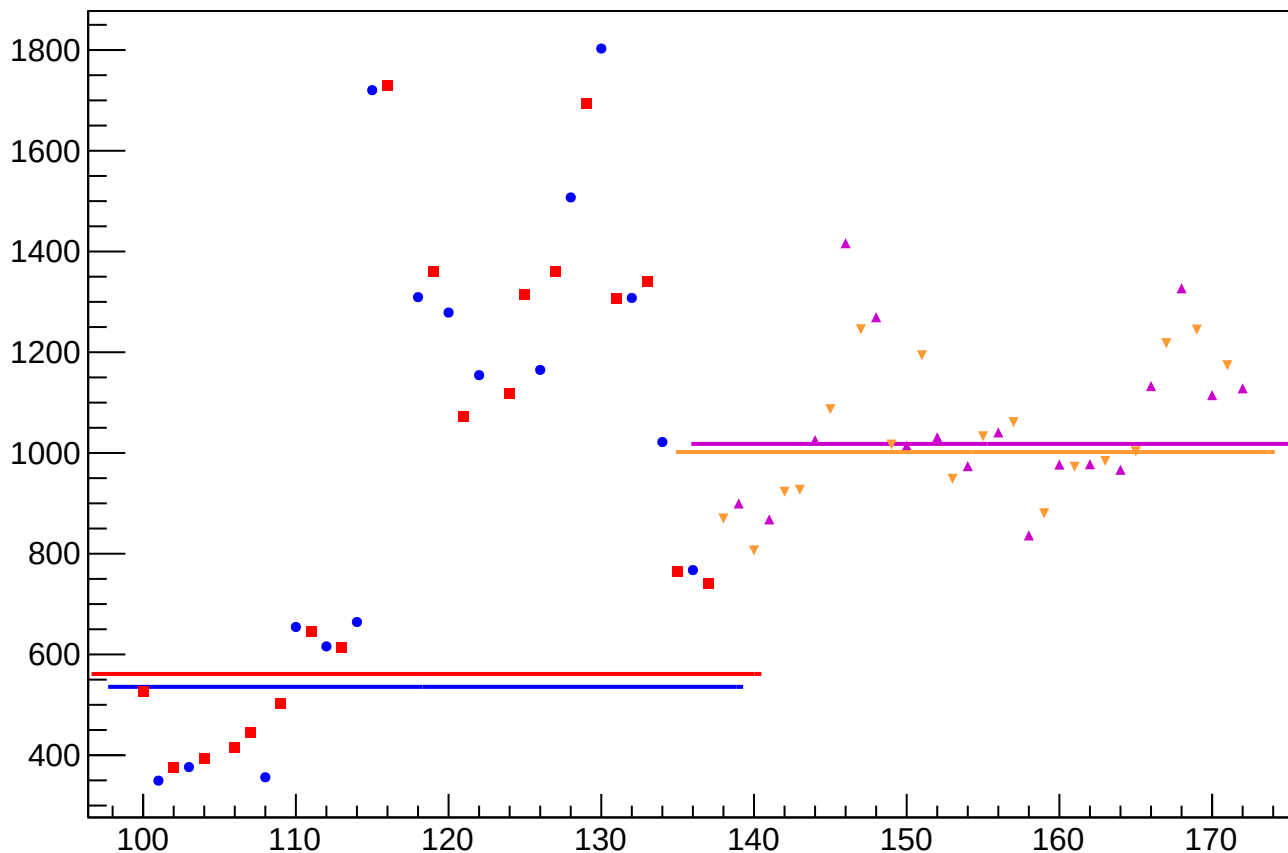
Left In: 14.475 $\pm$ 274.980 χ^2 /NDF: 31.3/16

+ sign 312.648 $\pm$ 174.886 χ^2 /NDF: 44.9/33

All: 133.714 $\pm$ 124.635 χ^2 /NDF: 94.6/69

- sign -50.956 $\pm$ 177.668 χ^2 /NDF: 47.6/35

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 535.661 $\pm$ 0.163 χ^2 /NDF: 3632591.0/15

Left Out: 1001.843 $\pm$ 0.190 χ^2 /NDF: 461122.6/17

Right Out: 561.270 $\pm$ 0.165 χ^2 /NDF: 3130760.7/18

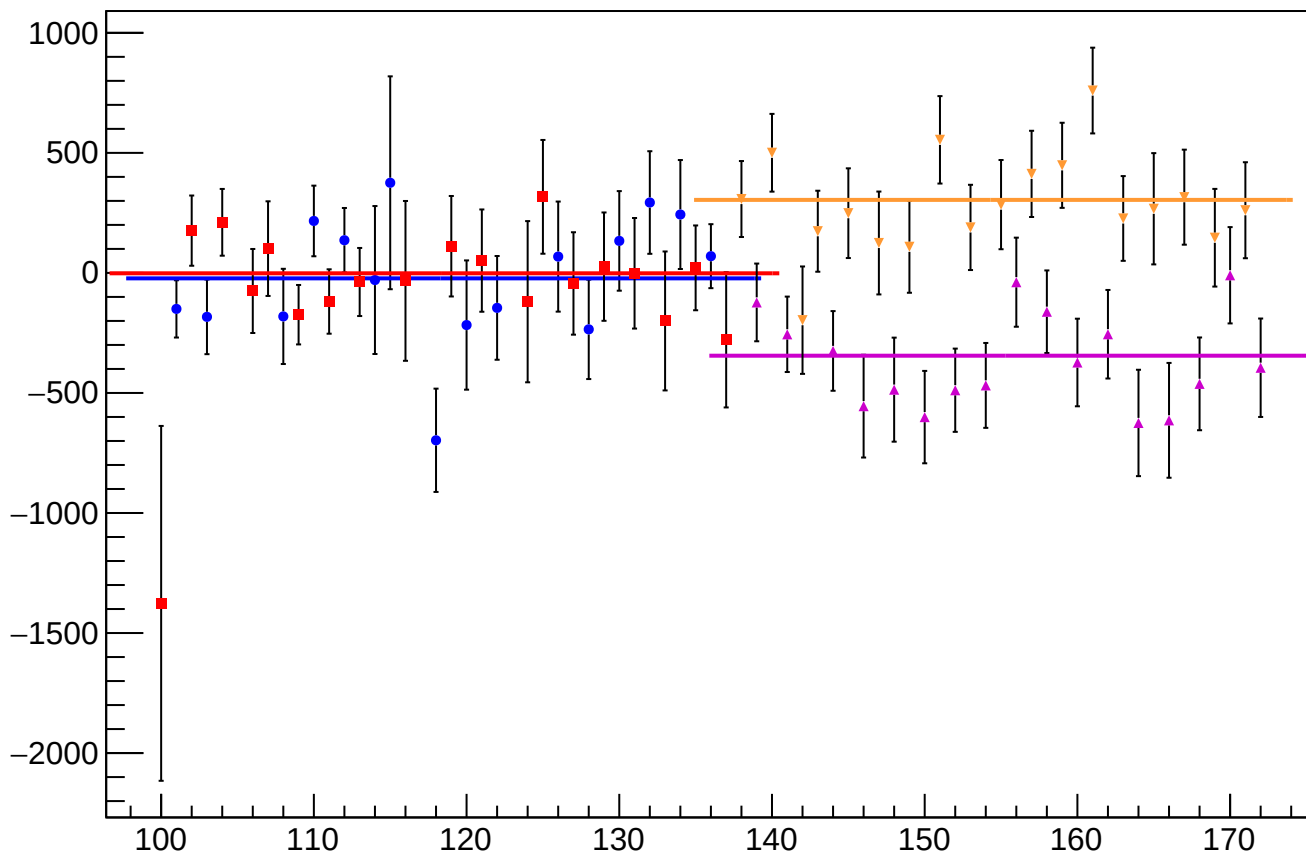
Left In: 1018.018 $\pm$ 0.194 χ^2 /NDF: 516754.7/16

+ sign 733.840 $\pm$ 0.124 χ^2 /NDF: 7566787.0/33

All: 742.750 $\pm$ 0.088 χ^2 /NDF: 14439302.0/69

- sign 751.945 $\pm$ 0.126 χ^2 /NDF: 6861966.9/35

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

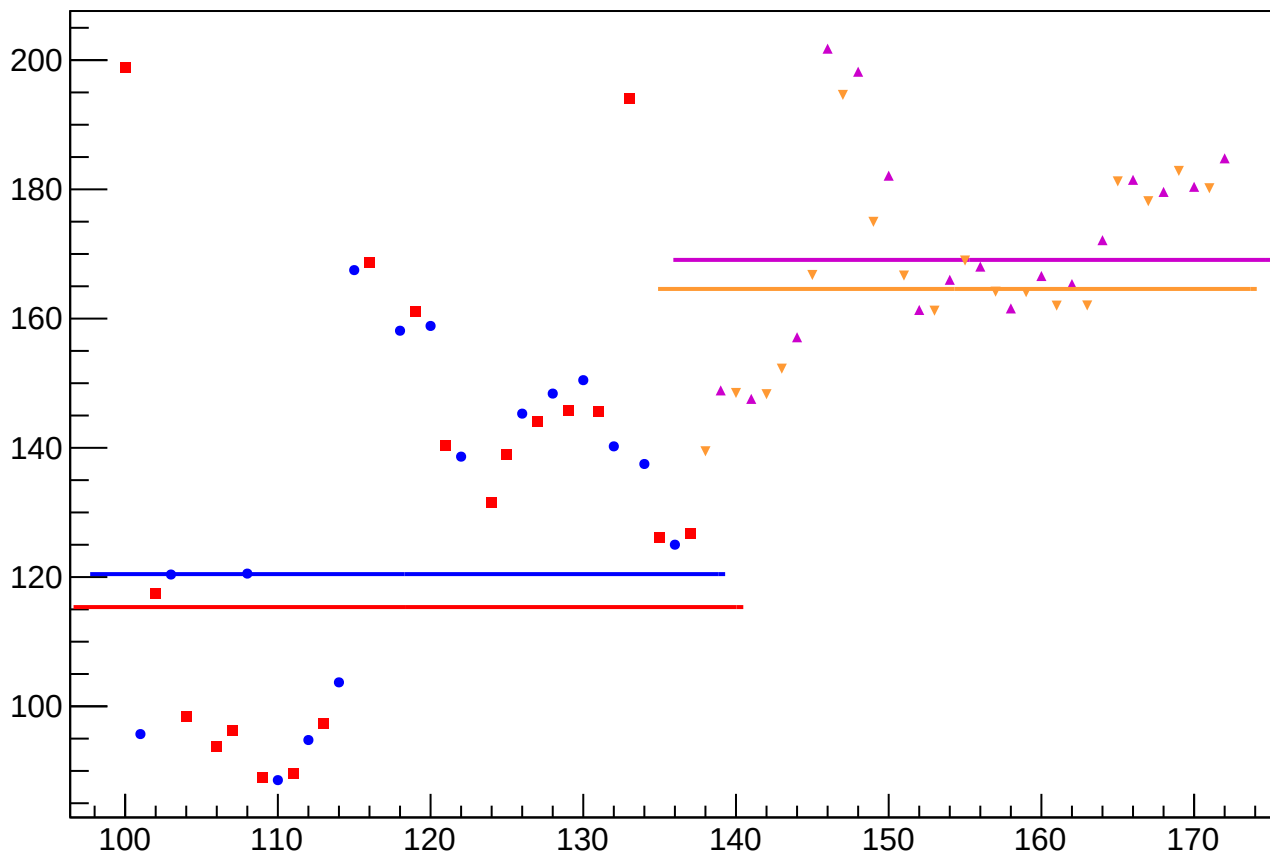
Left In: -344.828 ± 45.360 χ^2/NDF : 16.8/16

+ sign 148.449 ± 31.689 χ^2/NDF : 70.3/33

All: -10.256 ± 22.312 χ^2/NDF : 180.9/69

- sign -166.281 ± 31.420 χ^2/NDF : 60.8/35

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

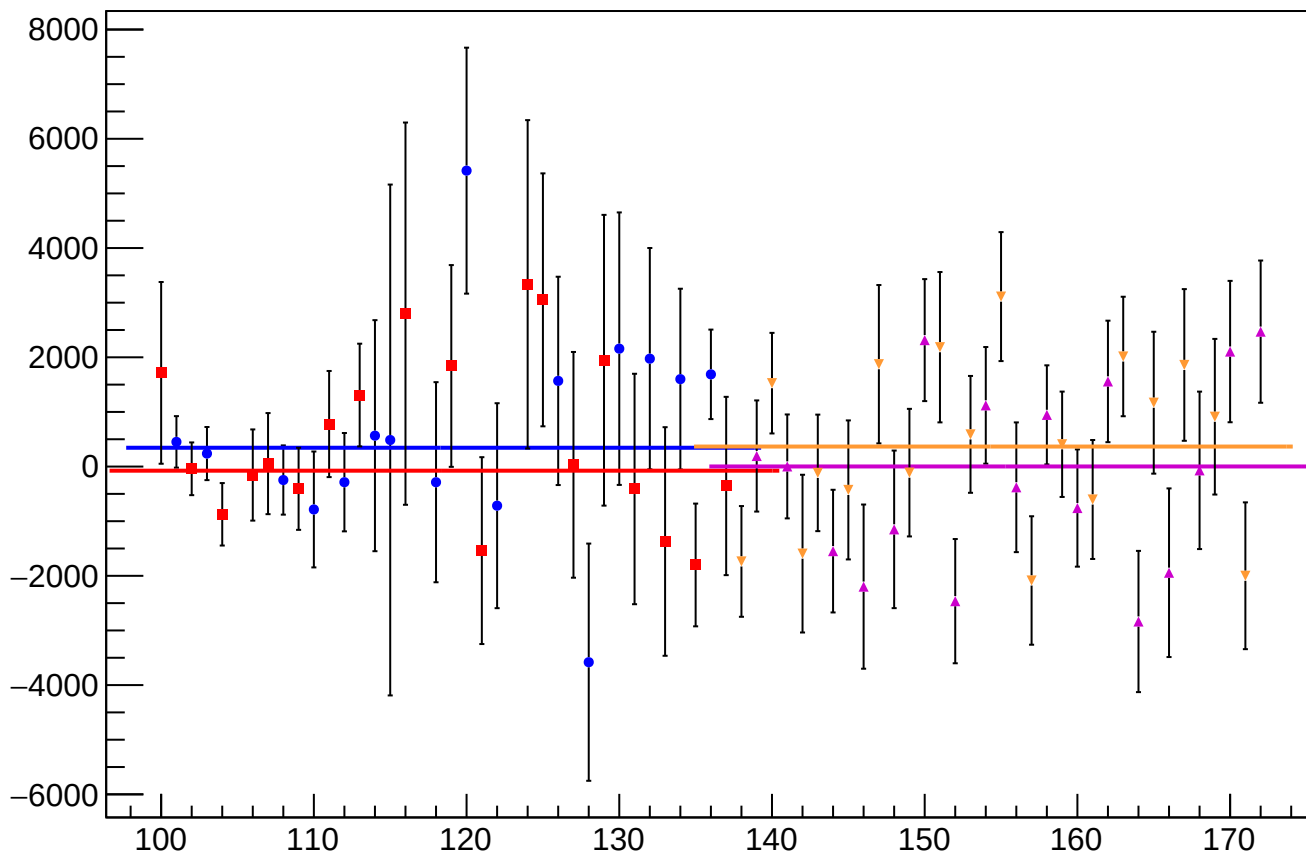
Left In: 169.084+/-0.032 χ^2/NDF : 210462.5/16

+ sign 143.563+/-0.022 χ^2/NDF : 1685809.2/33

All: 142.339+/-0.016 χ^2/NDF : 4129056.3/69

- sign 141.135+/-0.022 χ^2/NDF : 2437328.3/35

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

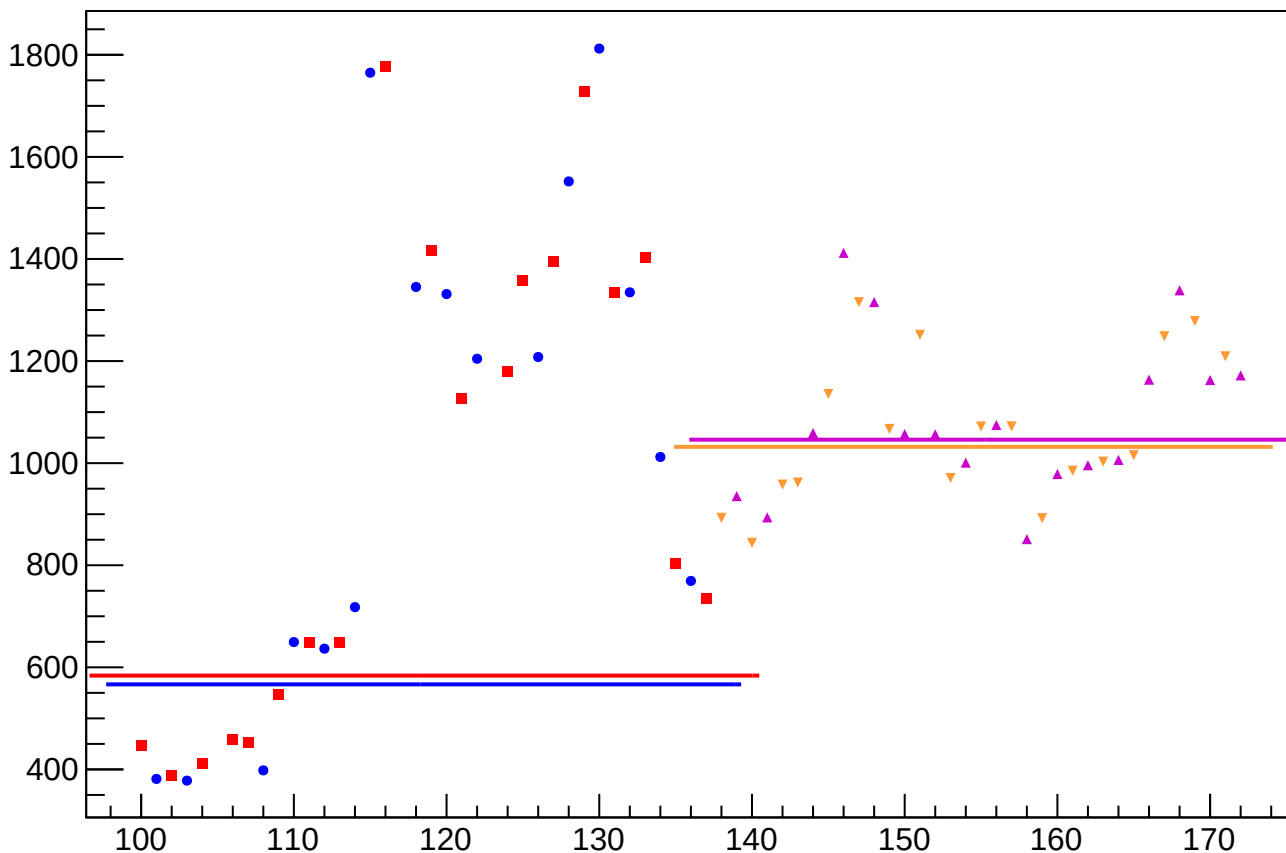
Left In: 1.809 ± 282.503 χ^2/NDF : 31.1/16

+ sign 353.947 ± 181.854 χ^2/NDF : 45.2/33

All: 156.859 ± 129.035 χ^2/NDF : 94.0/69

- sign -42.980 ± 183.118 χ^2/NDF : 46.4/35

asym_sam6_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2 /NDF: 3432440.2/15

Left Out: 1031.886 $\pm$ 0.195 χ^2 /NDF: 479320.5/17

Right Out: 583.794 $\pm$ 0.170 χ^2 /NDF: 3107513.6/18

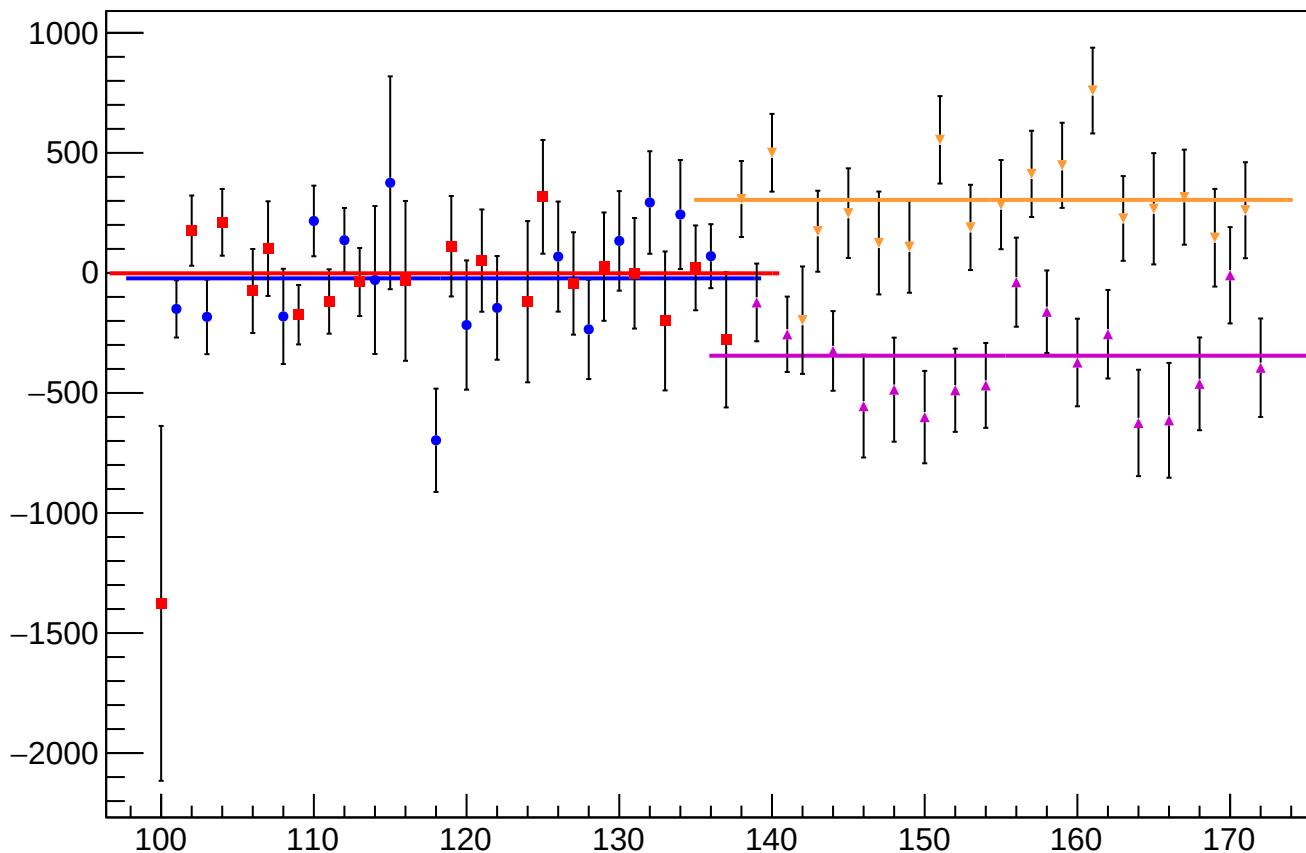
Left In: 1046.013 $\pm$ 0.200 χ^2 /NDF: 503869.5/16

+ sign 768.124 $\pm$ 0.129 χ^2 /NDF: 7126284.7/33

All: 773.028 $\pm$ 0.091 χ^2 /NDF: 13845056.8/69

- sign 778.000 $\pm$ 0.129 χ^2 /NDF: 6715842.7/35

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

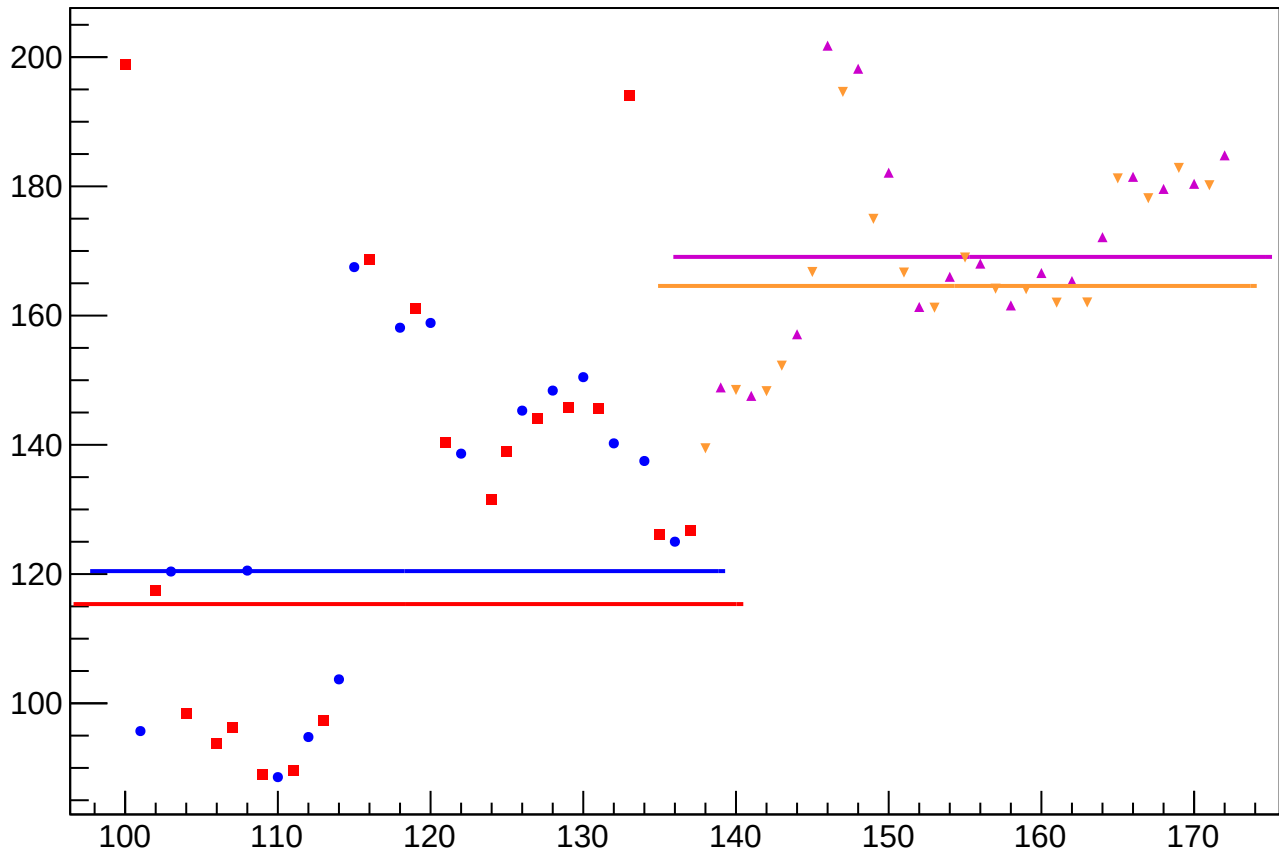
Left In: -344.829 ± 45.360 χ^2/NDF : 16.8/16

+ sign 148.448 ± 31.689 χ^2/NDF : 70.3/33

All: -10.257 ± 22.312 χ^2/NDF : 180.9/69

- sign -166.282 ± 31.420 χ^2/NDF : 60.8/35

eigen_dit_asym_sam6_rms vs Slug



Right In: 120.458 $\pm$ 0.032 χ^2 /NDF: 530335.0/15

Left Out: 164.589 $\pm$ 0.031 χ^2 /NDF:187885.7/17

Right Out: 115.357 $\pm$ 0.031 χ^2 /NDF: 767234.8/18

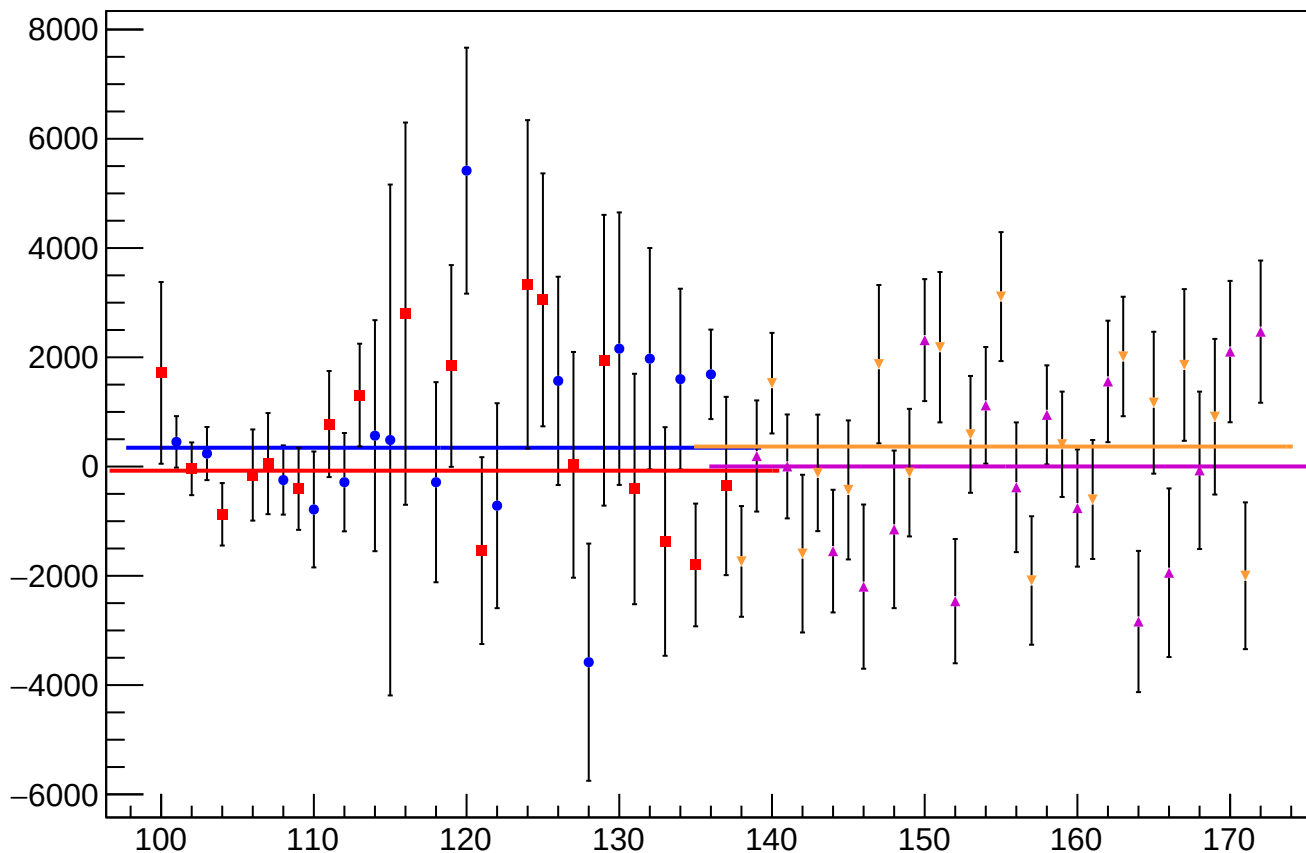
Left In: 169.084 $\pm$ 0.032 χ^2 /NDF:210462.7/16

+ sign 143.563 $\pm$ 0.022 χ^2 /NDF: 1685816.9/33

All: 142.338 $\pm$ 0.016 χ^2 /NDF: 4129067.4/69

- sign 141.135 $\pm$ 0.022 χ^2 /NDF: 2437331.8/35

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

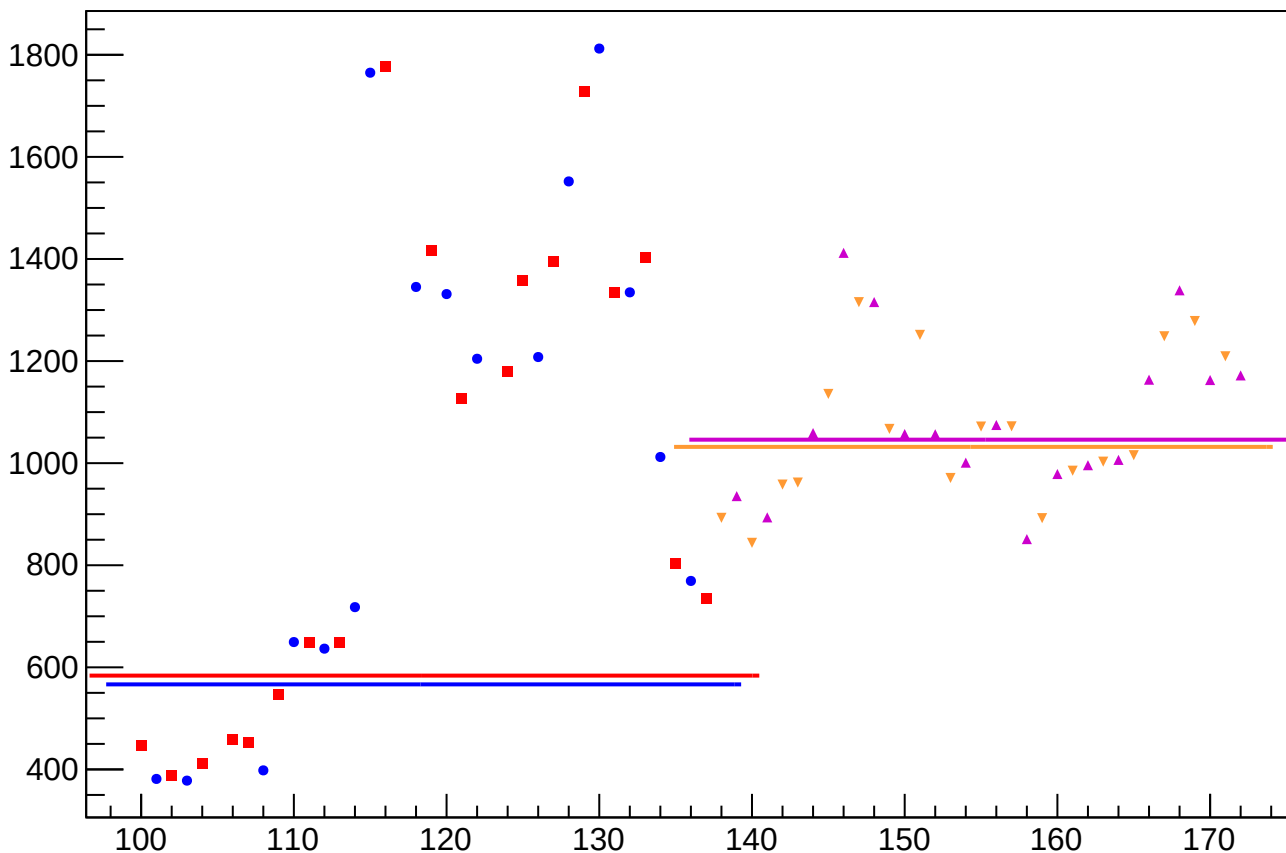
Left In: 1.809 ± 282.503 χ^2/NDF : 31.1/16

+ sign 353.947 ± 181.854 χ^2/NDF : 45.2/33

All: 156.858 ± 129.035 χ^2/NDF : 94.0/69

- sign -42.980 ± 183.118 χ^2/NDF : 46.4/35

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 566.603 $\pm$ 0.171 χ^2 /NDF: 3432444.7/15

Left Out: 1031.886 $\pm$ 0.195 χ^2 /NDF: 479323.2/17

Right Out: 583.794 $\pm$ 0.170 χ^2 /NDF: 3107513.8/18

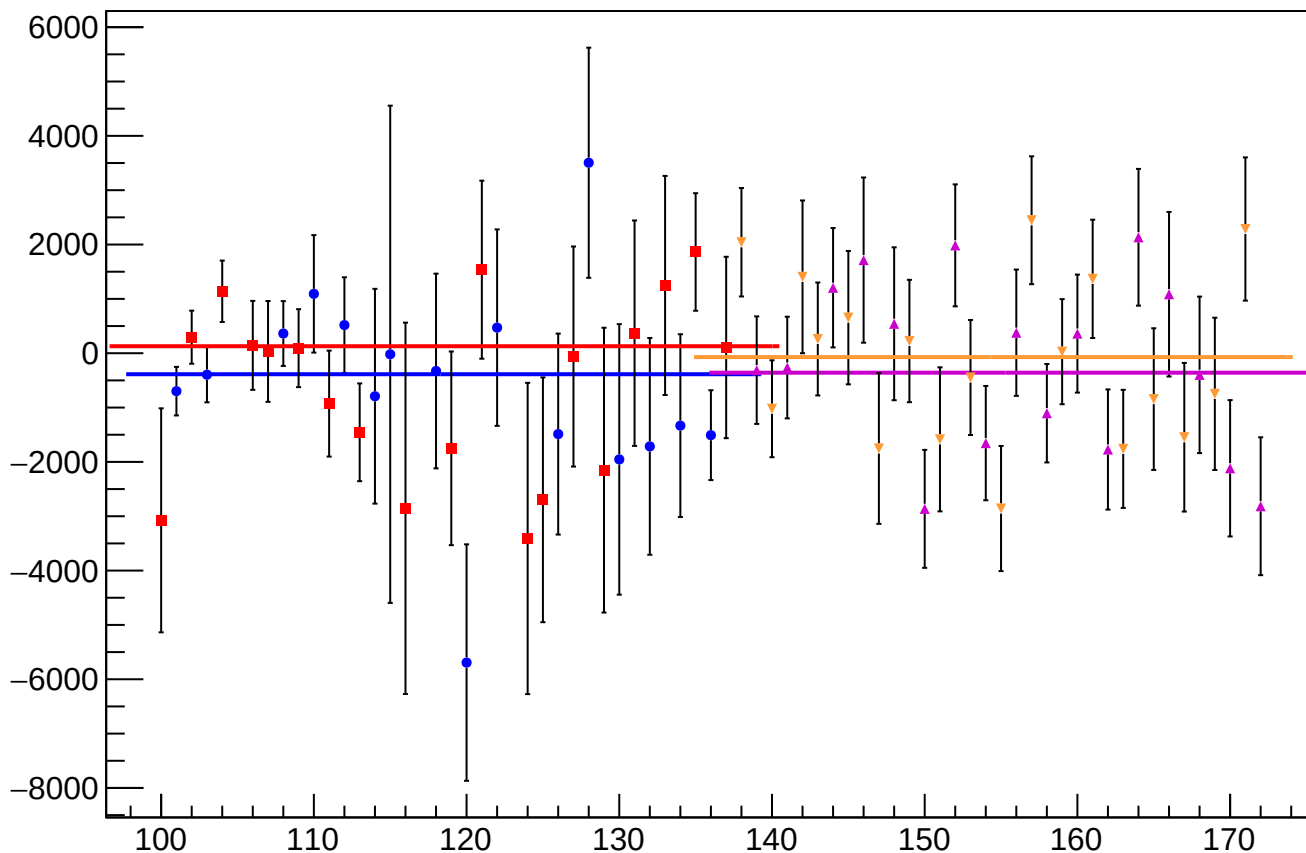
Left In: 1046.013 $\pm$ 0.200 χ^2 /NDF: 503873.2/16

+ sign 768.123 $\pm$ 0.129 χ^2 /NDF: 7126304.7/33

All: 773.027 $\pm$ 0.091 χ^2 /NDF: 13845087.6/69

- sign 778.000 $\pm$ 0.129 χ^2 /NDF: 6715853.4/35

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

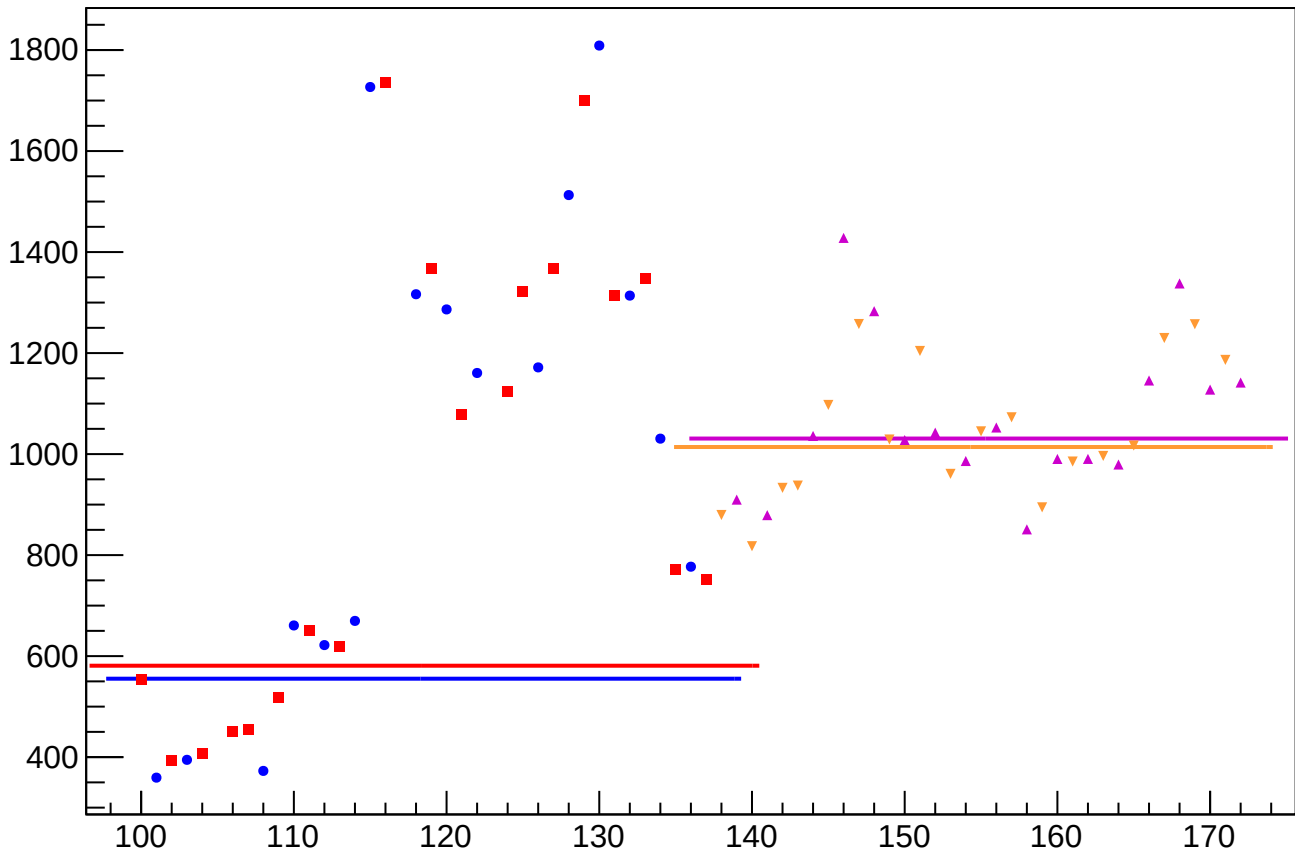
Left In: -358.482 ± 278.344 χ^2/NDF : 29.2/16

+ sign -249.734 ± 178.743 χ^2/NDF : 48.4/33

All: -164.628 ± 127.179 χ^2/NDF : 99.2/69

- sign -77.365 ± 180.995 χ^2/NDF : 50.4/35

asym_sam6_rms vs Slug



Right In: 555.292 $\pm$ 0.168 χ^2 /NDF: 3482531.0/15

Left Out: 1014.001 $\pm$ 0.192 χ^2 /NDF: 451484.2/17

Right Out: 580.996 $\pm$ 0.168 χ^2 /NDF: 2983560.8/18

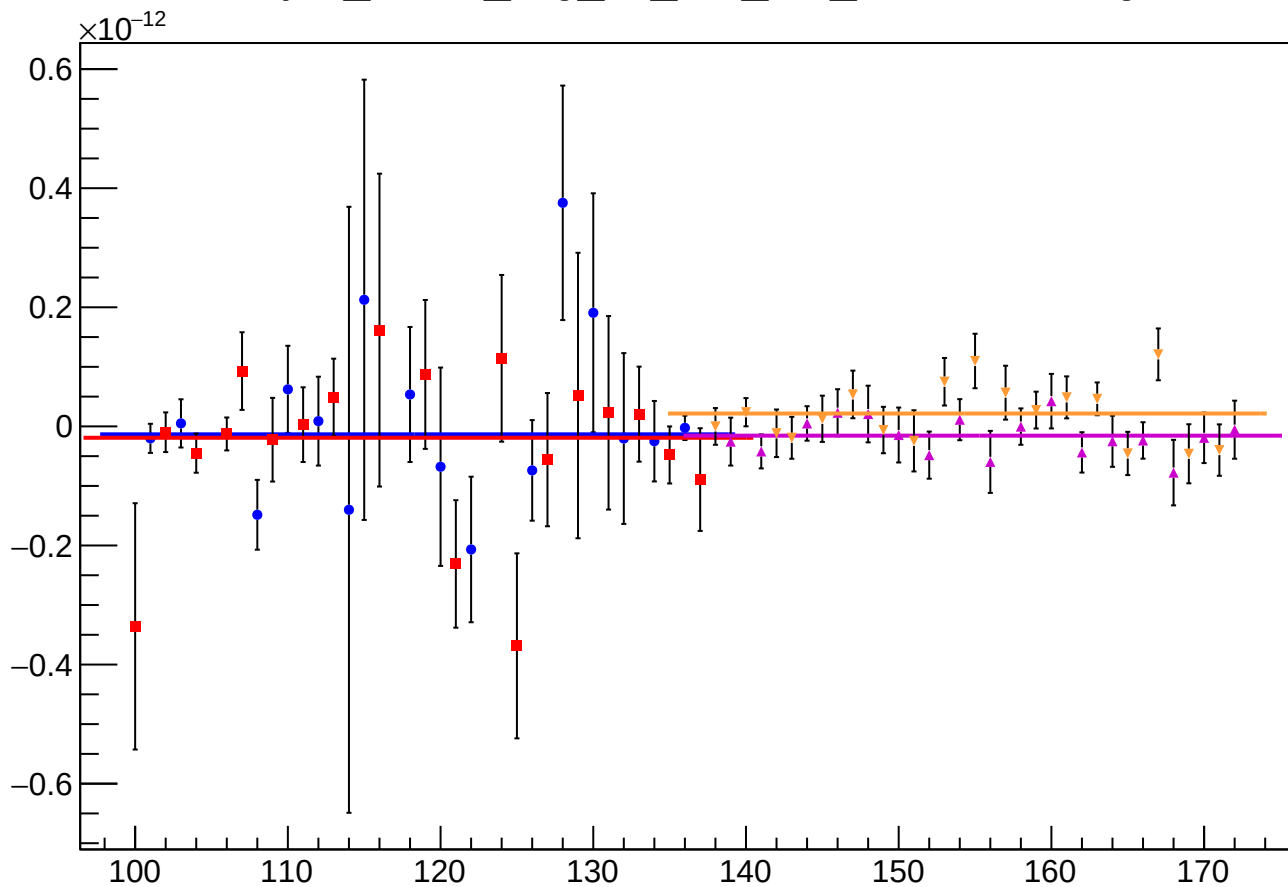
Left In: 1030.776 $\pm$ 0.197 χ^2 /NDF: 504995.5/16

+ sign 754.237 $\pm$ 0.126 χ^2 /NDF: 7169082.5/33

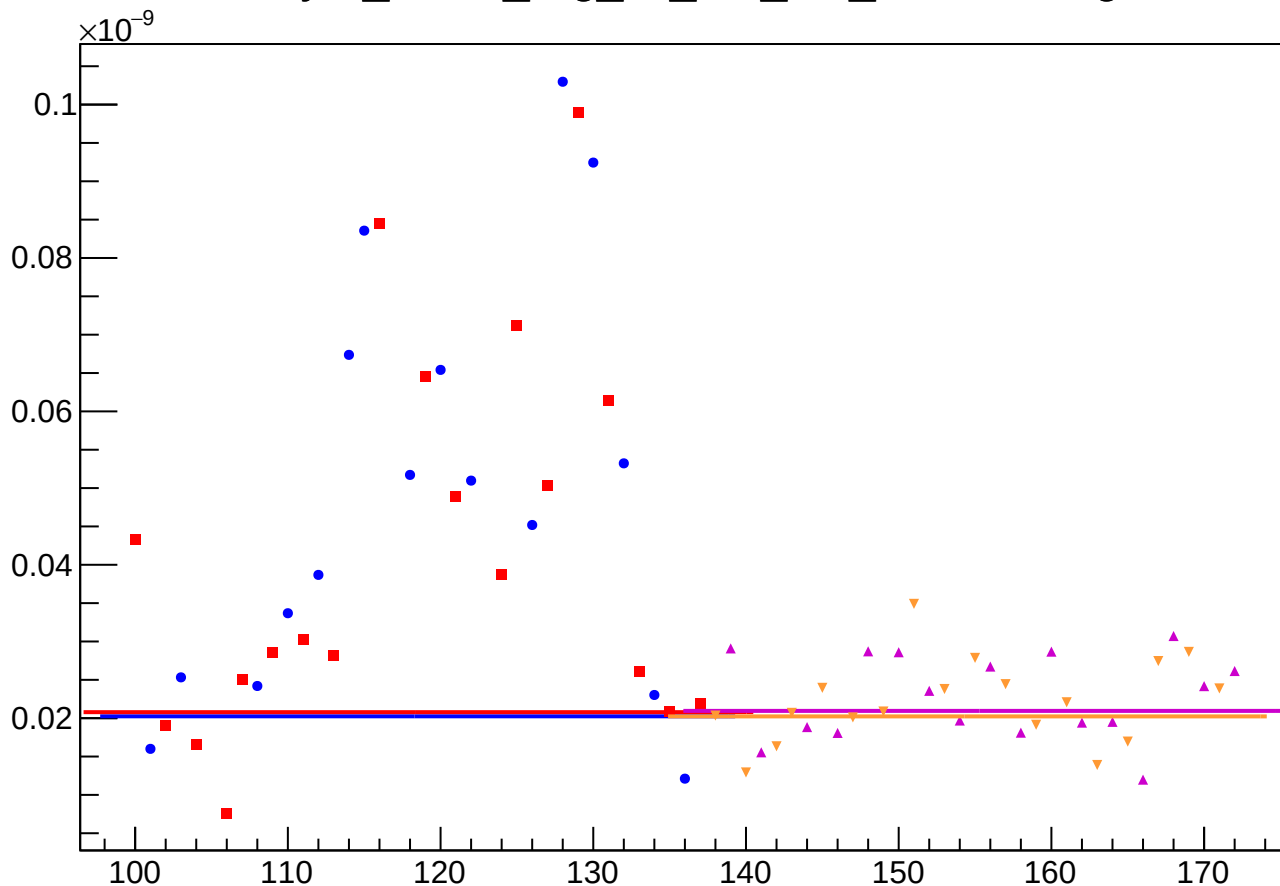
All: 762.601 $\pm$ 0.090 χ^2 /NDF: 13680681.7/69

- sign 771.178 $\pm$ 0.128 χ^2 /NDF: 6502728.7/35

asym_sam6_reg_vs_cor_diff_mean vs Slug



asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2004678.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:737367.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1855885.9/18

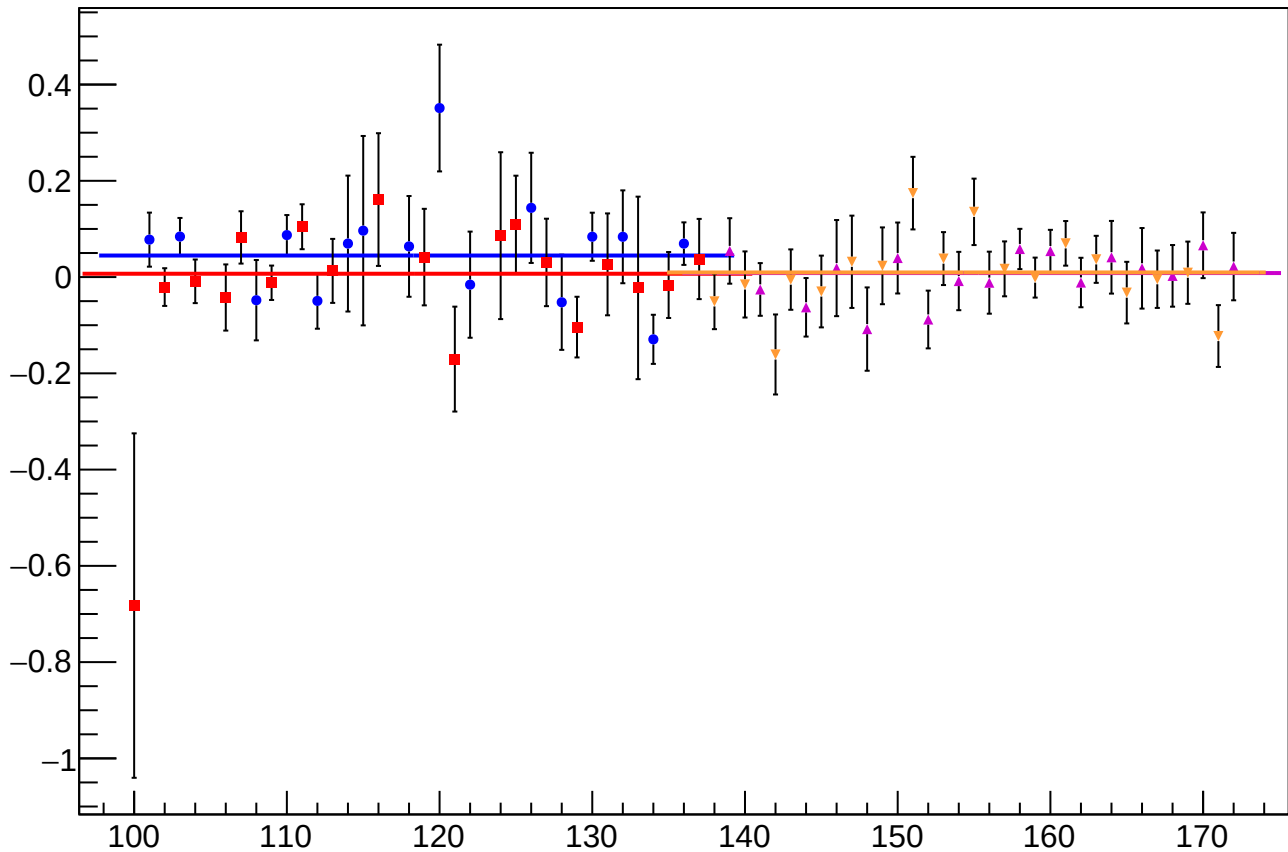
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:668626.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2742046.8/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 5274773.5/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2524711.0/35

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

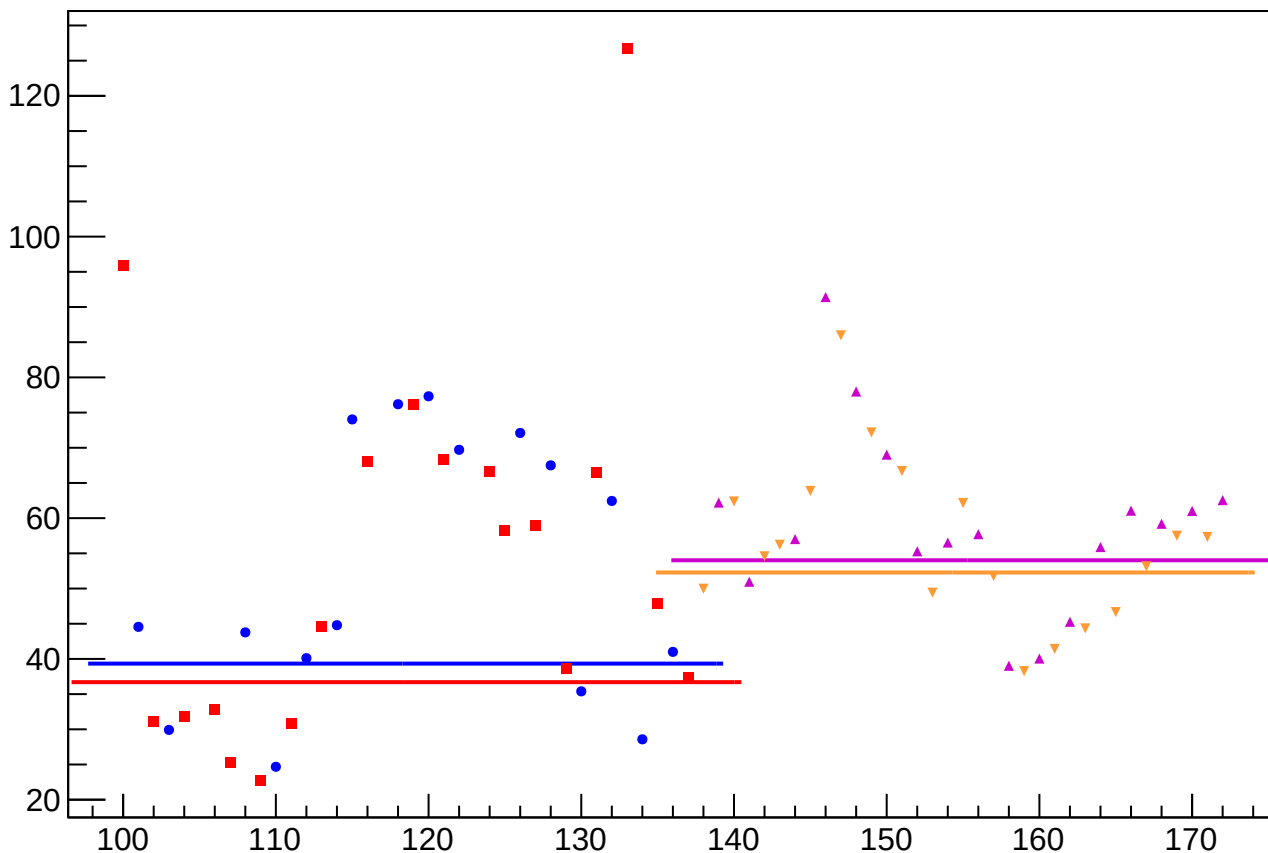
Left In: 0.008 ± 0.015 χ^2/NDF : 10.6/16

+ sign 0.025 ± 0.011 χ^2/NDF : 50.3/33

All: 0.016 ± 0.008 χ^2/NDF : 82.4/69

- sign 0.008 ± 0.011 χ^2/NDF : 30.7/35

asym_sam6_dit_vs_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

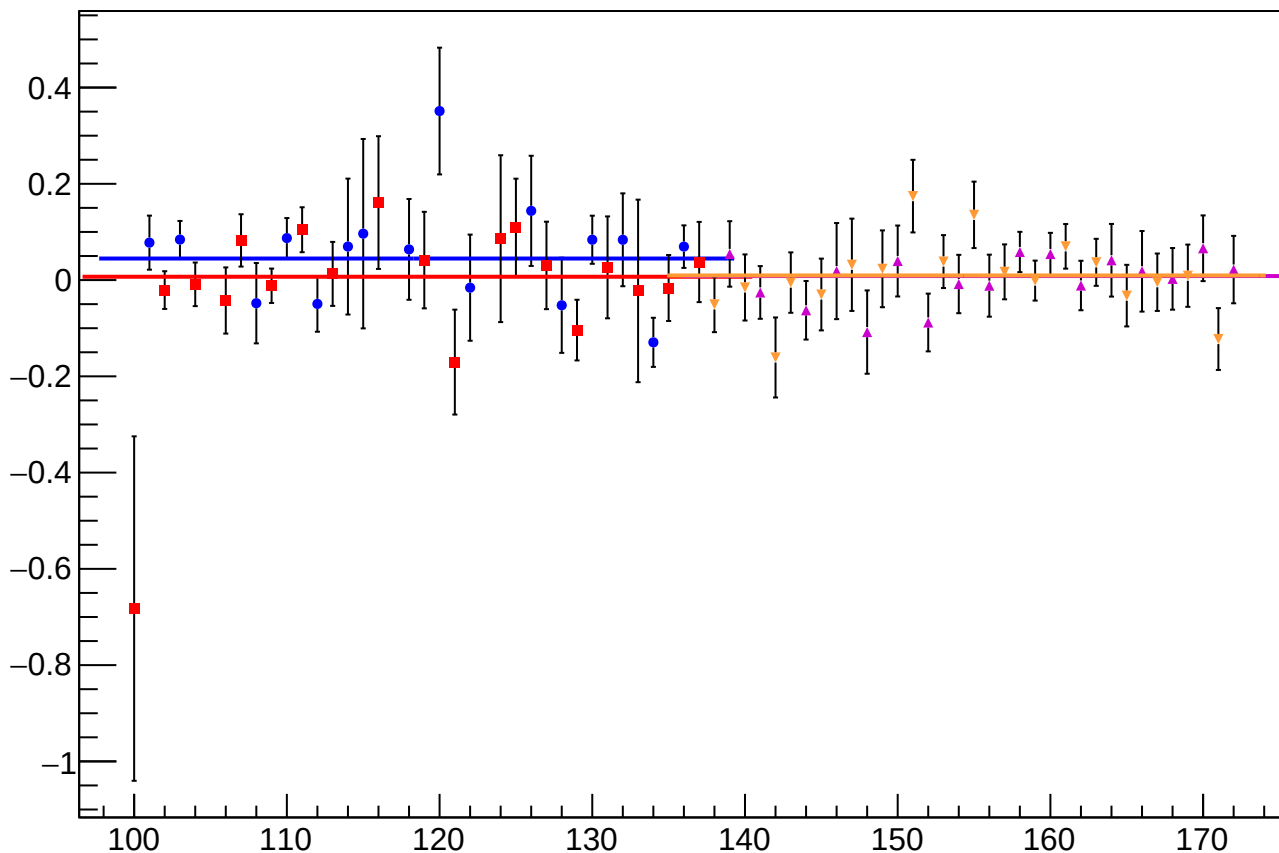
Left In: 54.018+/-0.011 χ^2/NDF : 1162494.2/16

+ sign 46.516+/-0.008 χ^2/NDF : 3317802.7/33

All: 45.980+/-0.005 χ^2/NDF : 7914424.0/69

- sign 45.451+/-0.008 χ^2/NDF : 4586628.3/35

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.016 χ^2 /NDF: 26.6/15

Left Out: 0.010 $\pm$ 0.014 χ^2 /NDF: 21.0/17

Right Out: 0.007 $\pm$ 0.015 χ^2 /NDF: 20.2/18

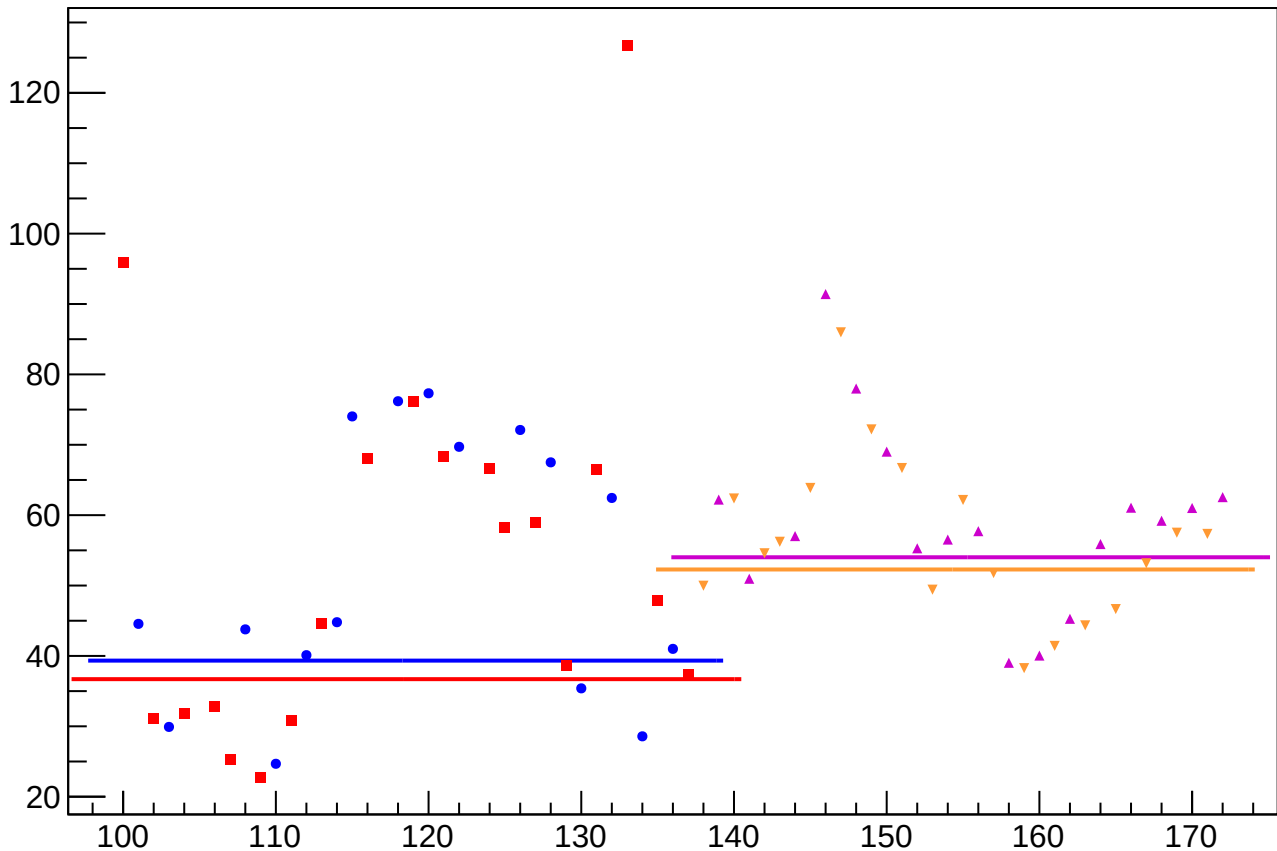
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF: 10.6/16

+ sign 0.025 $\pm$ 0.011 χ^2 /NDF: 50.3/33

All: 0.016 $\pm$ 0.008 χ^2 /NDF: 82.4/69

- sign 0.008 $\pm$ 0.011 χ^2 /NDF: 30.7/35

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

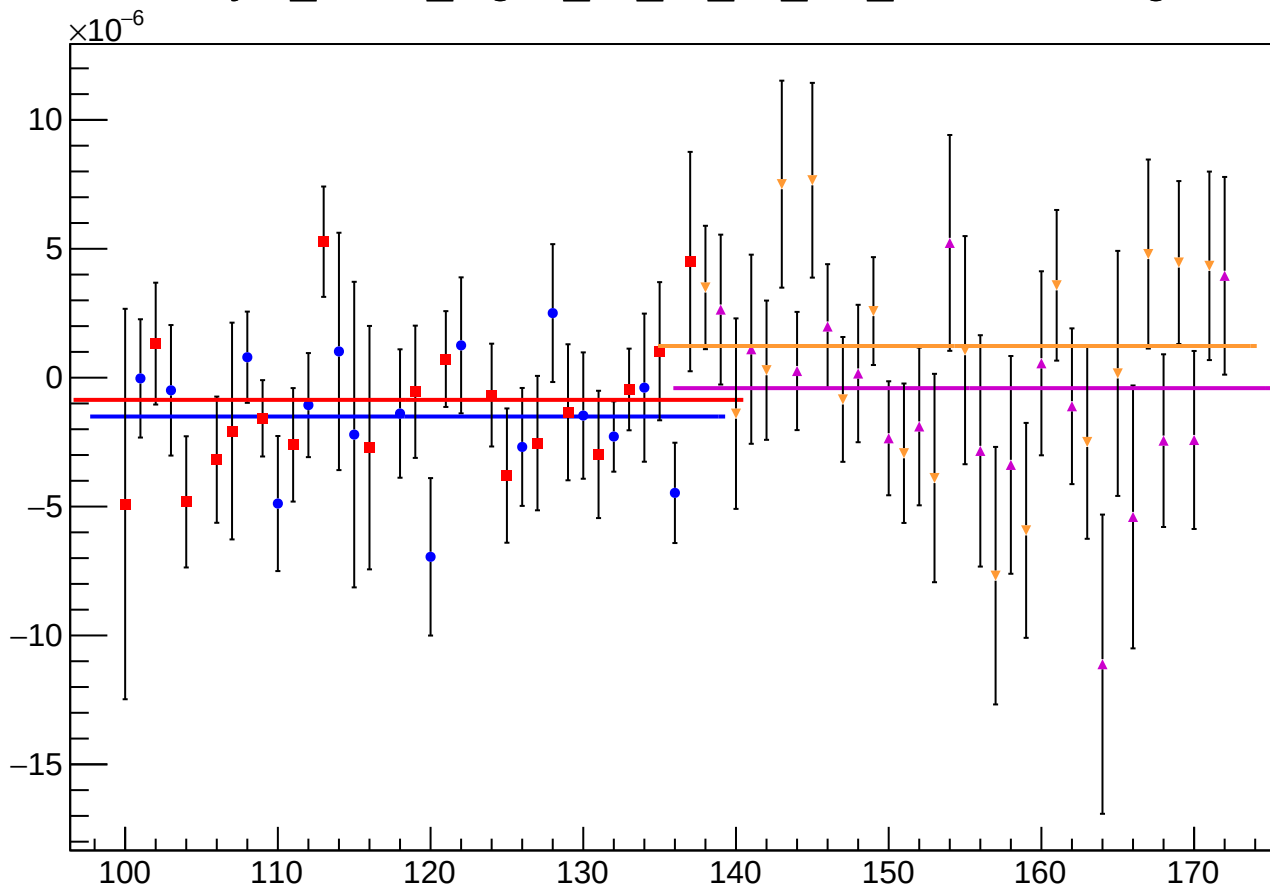
Left In: 54.018+/-0.011 χ^2/NDF : 1162494.2/16

+ sign 46.516+/-0.008 χ^2/NDF : 3317802.7/33

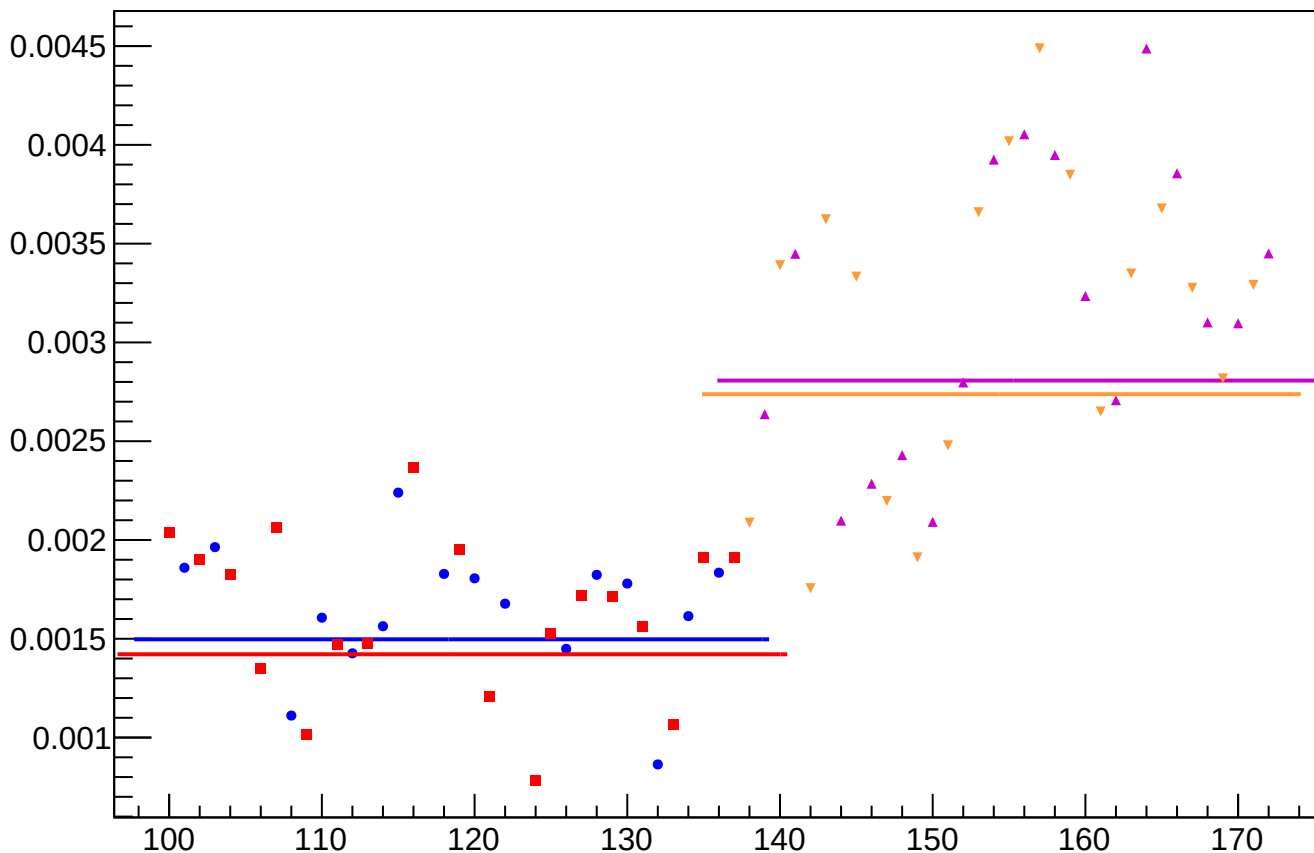
All: 45.980+/-0.005 χ^2/NDF : 7914424.0/69

- sign 45.451+/-0.008 χ^2/NDF : 4586628.3/35

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



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

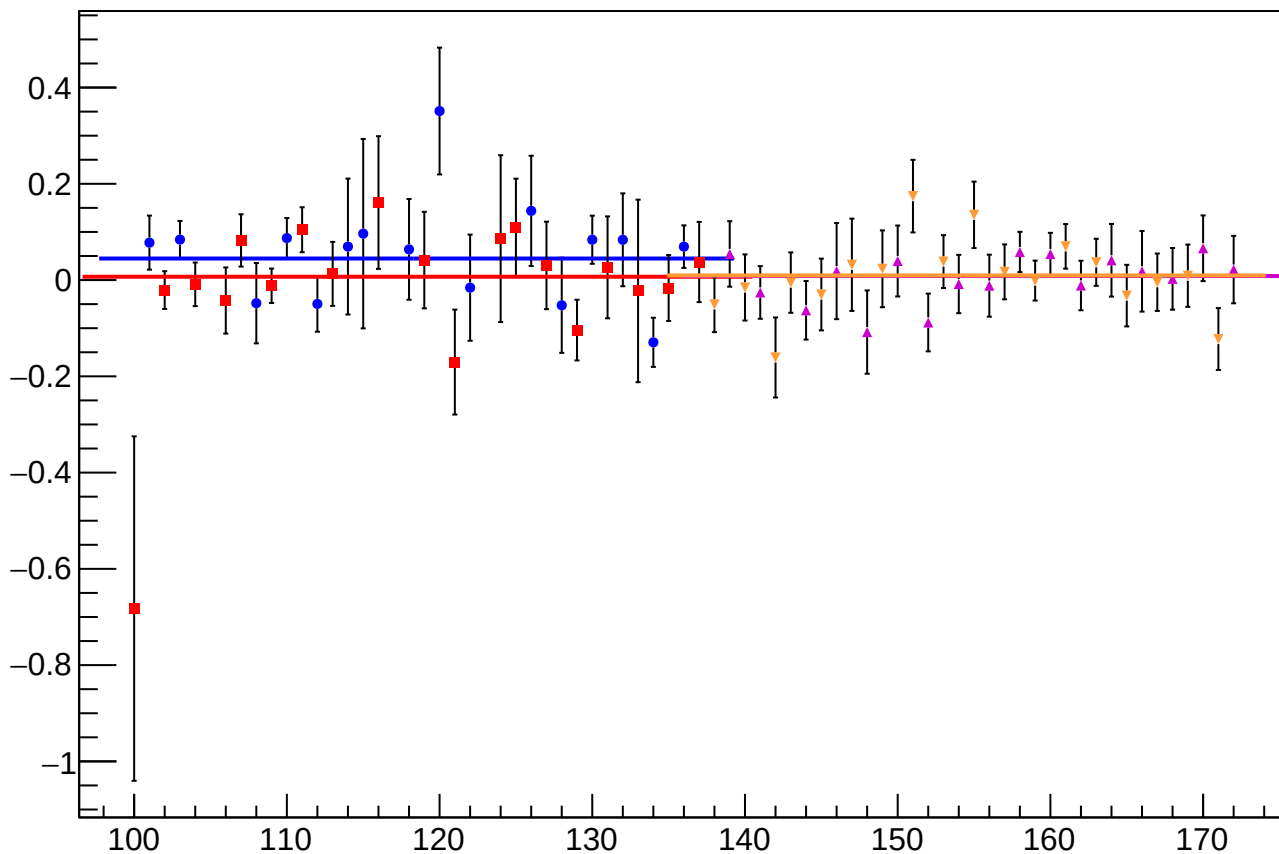
Left In: 0.003+/-0.000 χ^2/NDF :1414077.6/16

+ sign 0.002+/-0.000 χ^2/NDF : 6180008.2/33

All: 0.002+/-0.000 χ^2/NDF : 12910029.3/69

- sign 0.002+/-0.000 χ^2/NDF : 6699895.0/35

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.016 χ^2/NDF : 26.6/15

Left Out: 0.010 ± 0.014 χ^2/NDF : 21.0/17

Right Out: 0.007 ± 0.015 χ^2/NDF : 20.2/18

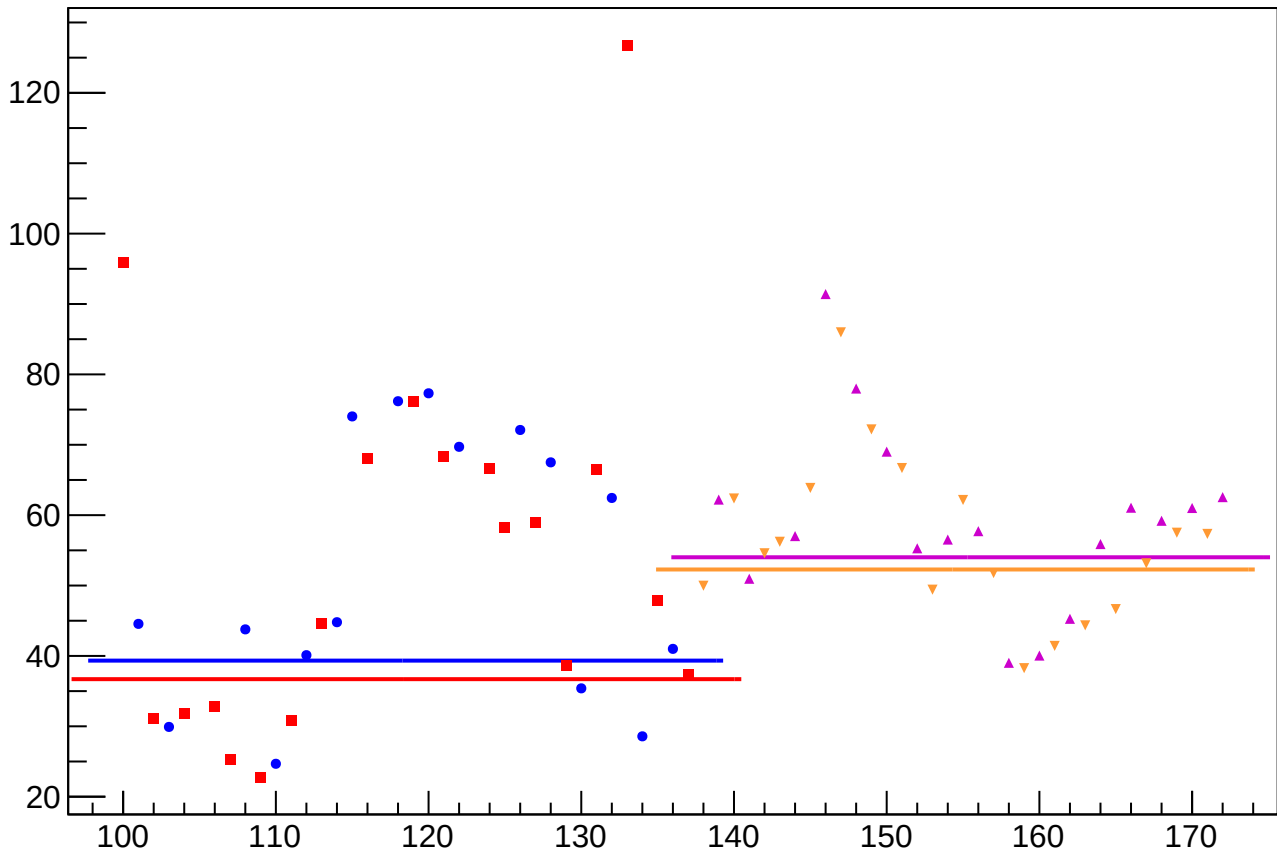
Left In: 0.008 ± 0.015 χ^2/NDF : 10.6/16

+ sign 0.025 ± 0.011 χ^2/NDF : 50.3/33

All: 0.016 ± 0.008 χ^2/NDF : 82.4/69

- sign 0.008 ± 0.011 χ^2/NDF : 30.7/35

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

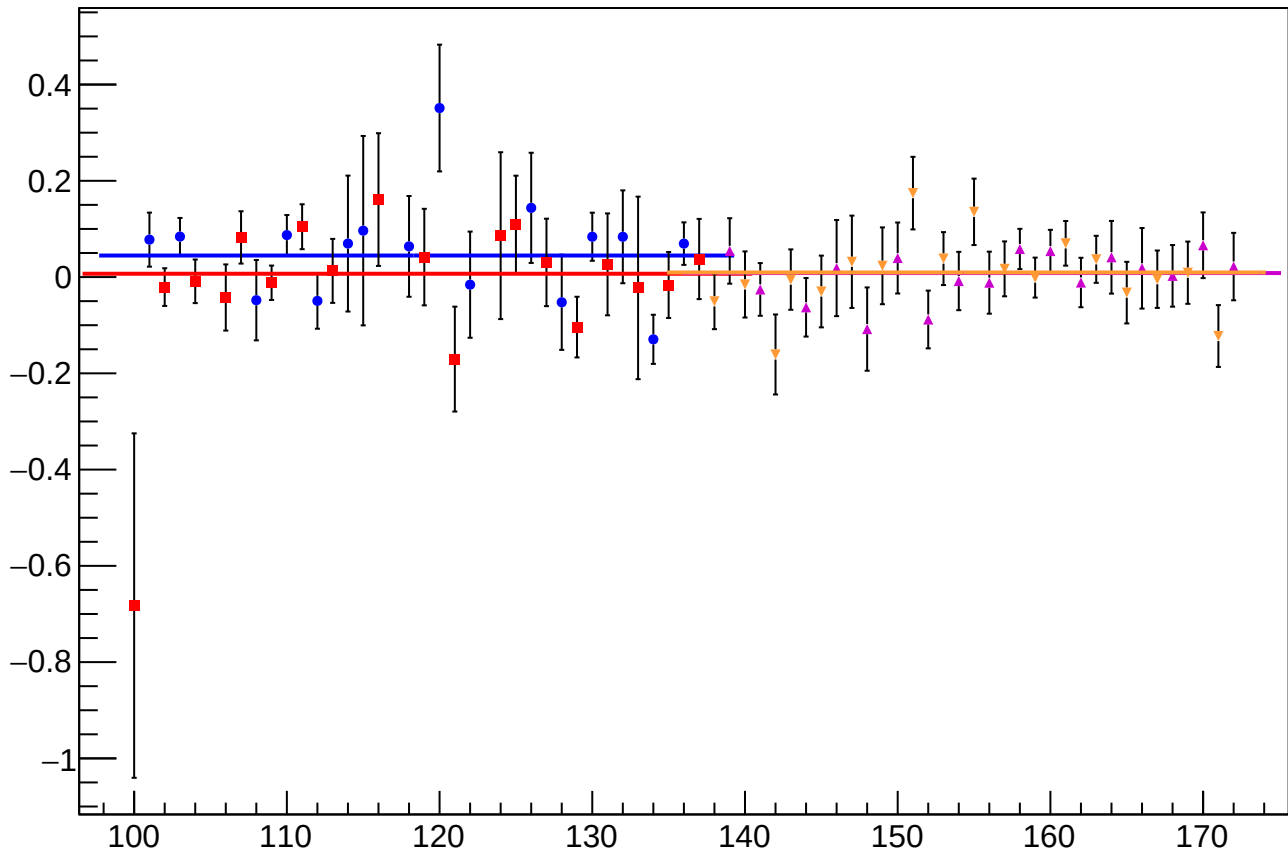
Left In: 54.016+/-0.011 χ^2/NDF : 1162629.7/16

+ sign 46.515+/-0.008 χ^2/NDF : 3317863.6/33

All: 45.979+/-0.005 χ^2/NDF : 7914498.8/69

- sign 45.450+/-0.008 χ^2/NDF : 4586644.6/35

asym_sam6_eigen_dit_vs_eigen_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

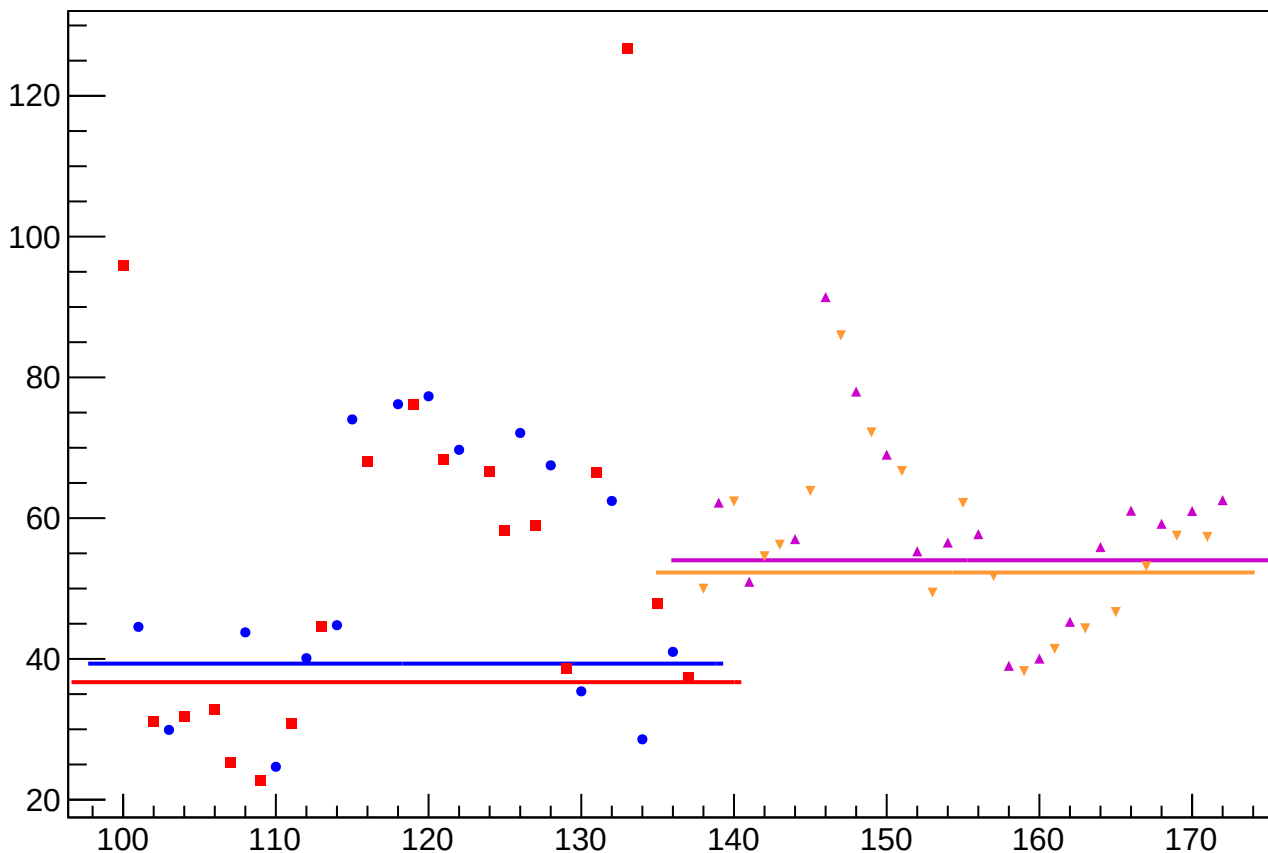
Left In: 0.008 ± 0.015 χ^2/NDF : 10.6/16

+ sign 0.025 ± 0.011 χ^2/NDF : 50.3/33

All: 0.016 ± 0.008 χ^2/NDF : 82.4/69

- sign 0.008 ± 0.011 χ^2/NDF : 30.7/35

asym_sam6_eigen_dit_vs_eigen_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

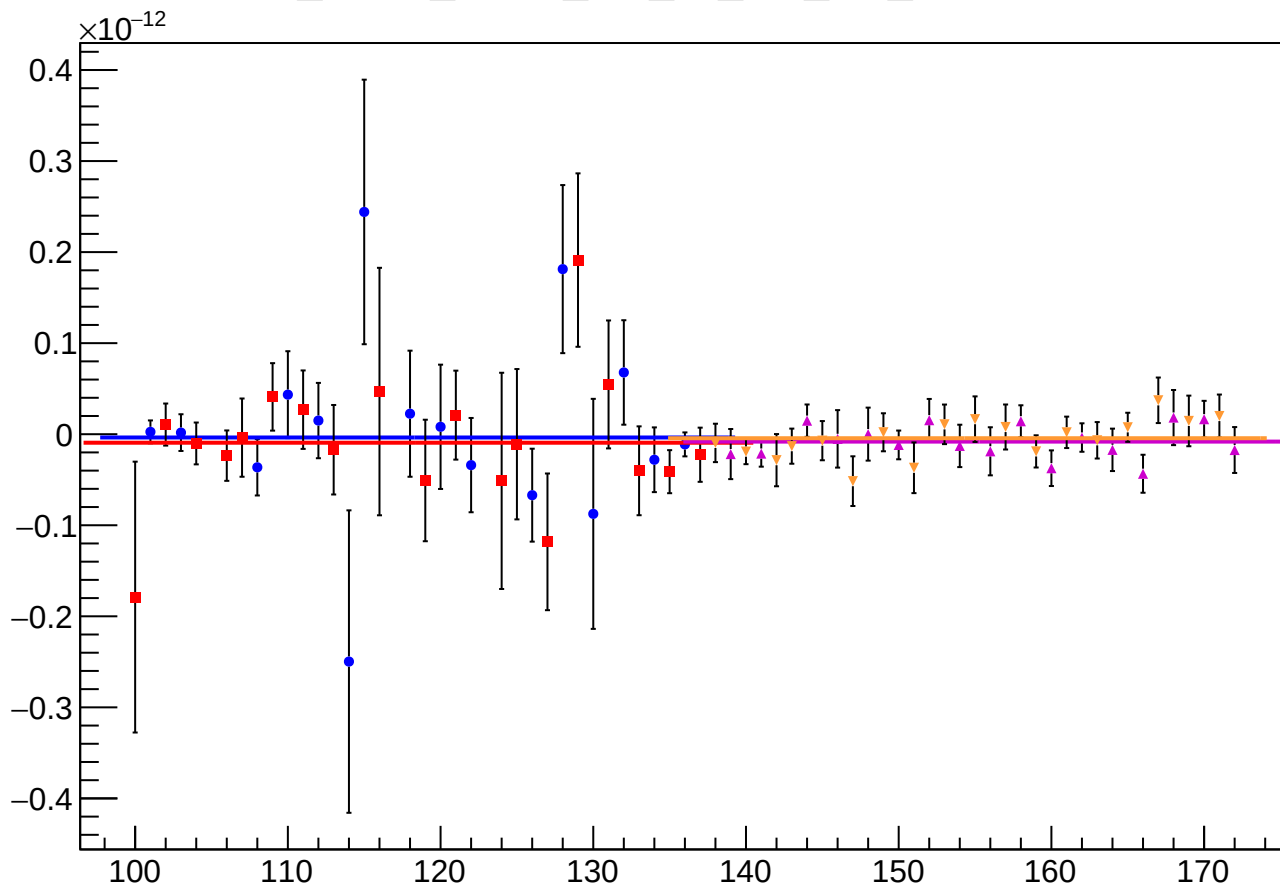
Left In: 54.016+/-0.011 χ^2/NDF : 1162629.7/16

+ sign 46.515+/-0.008 χ^2/NDF : 3317863.6/33

All: 45.979+/-0.005 χ^2/NDF : 7914498.8/69

- sign 45.450+/-0.008 χ^2/NDF : 4586644.6/35

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF : 13.7/17

Right Out: -0.000+/-0.000 χ^2/NDF : 15.7/18

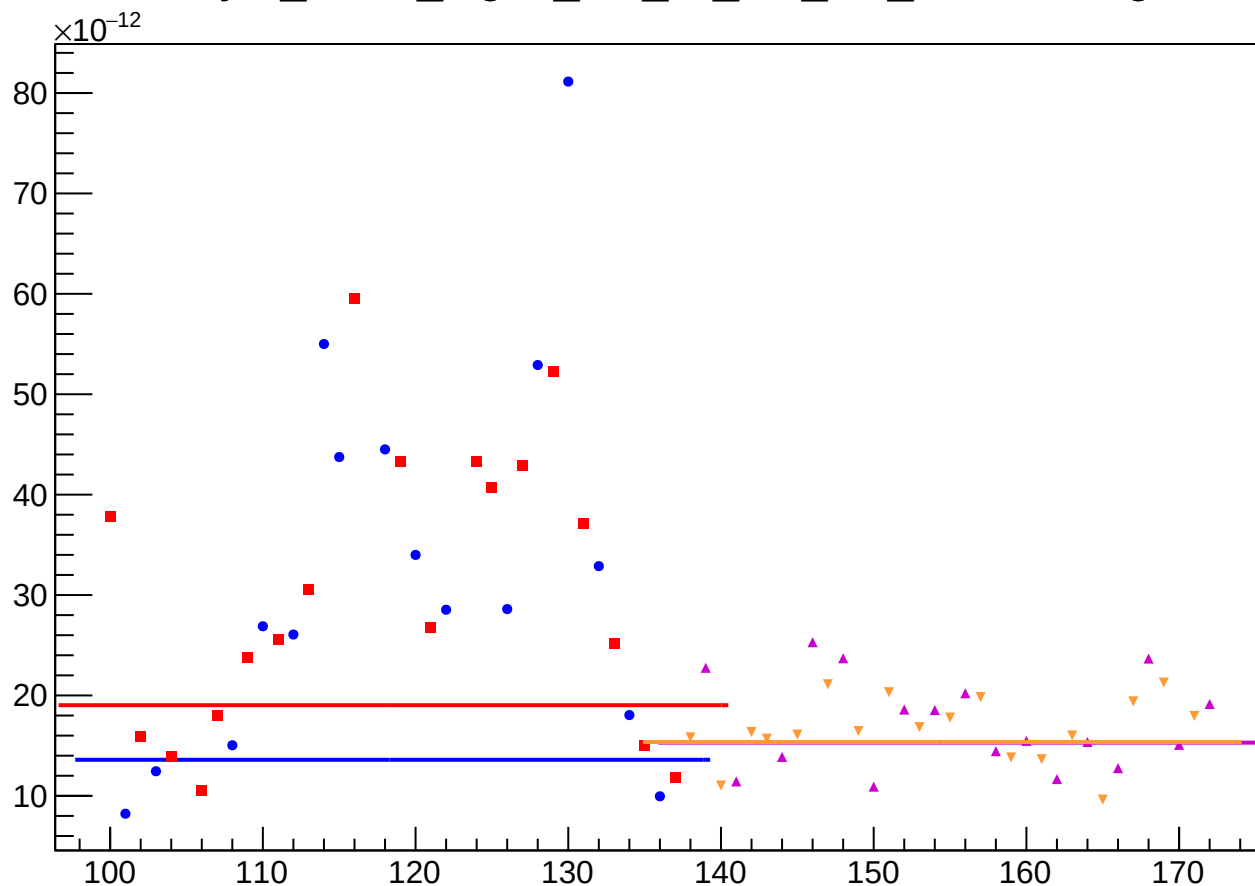
Left In: -0.000+/-0.000 χ^2/NDF : 13.5/16

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

All: -0.000+/-0.000 χ^2/NDF : 60.0/69

- sign -0.000+/-0.000 χ^2/NDF : 29.2/35

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

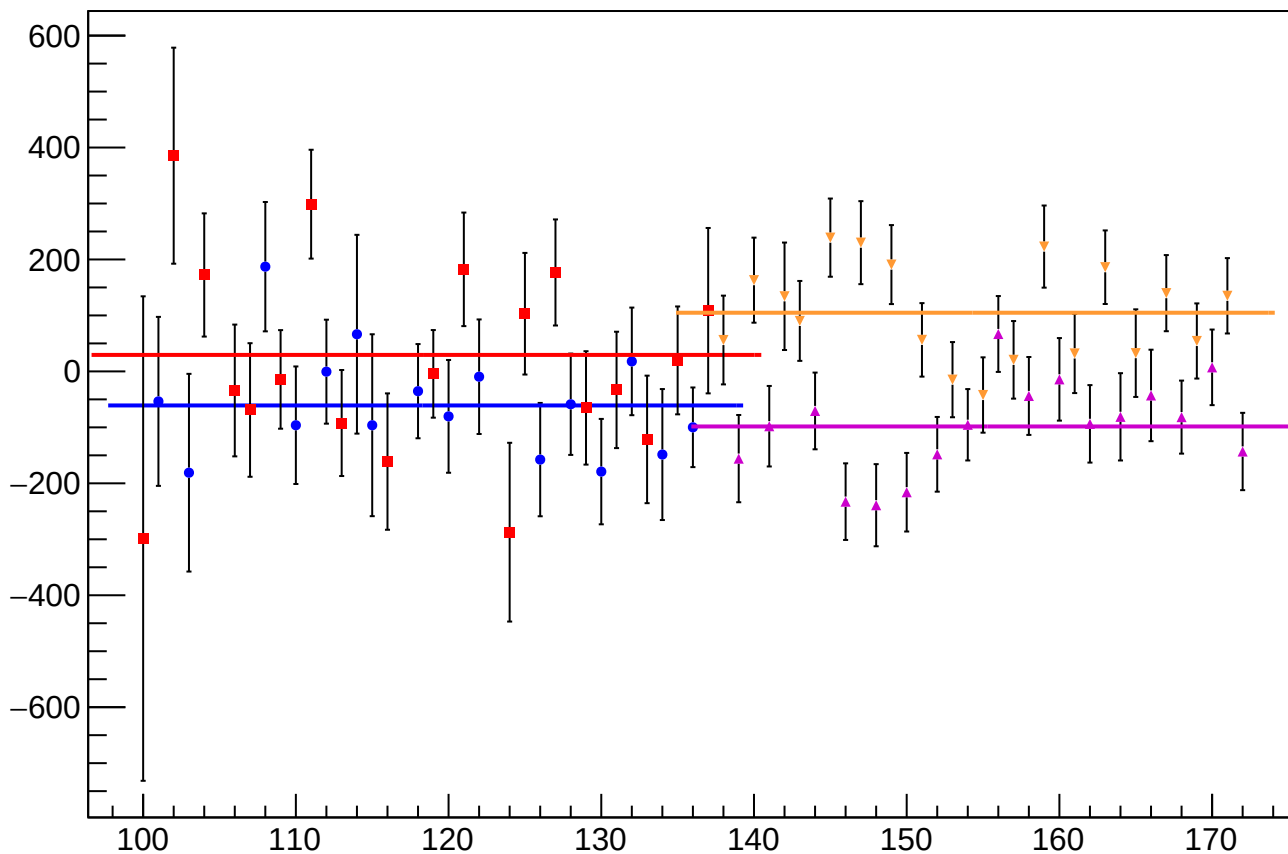
Left In: 0.000+/-0.000 χ^2/NDF : 1316434.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 4187428.4/33

All: 0.000+/-0.000 χ^2/NDF : 7915326.3/69

- sign 0.000+/-0.000 χ^2/NDF : 3623976.7/35

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

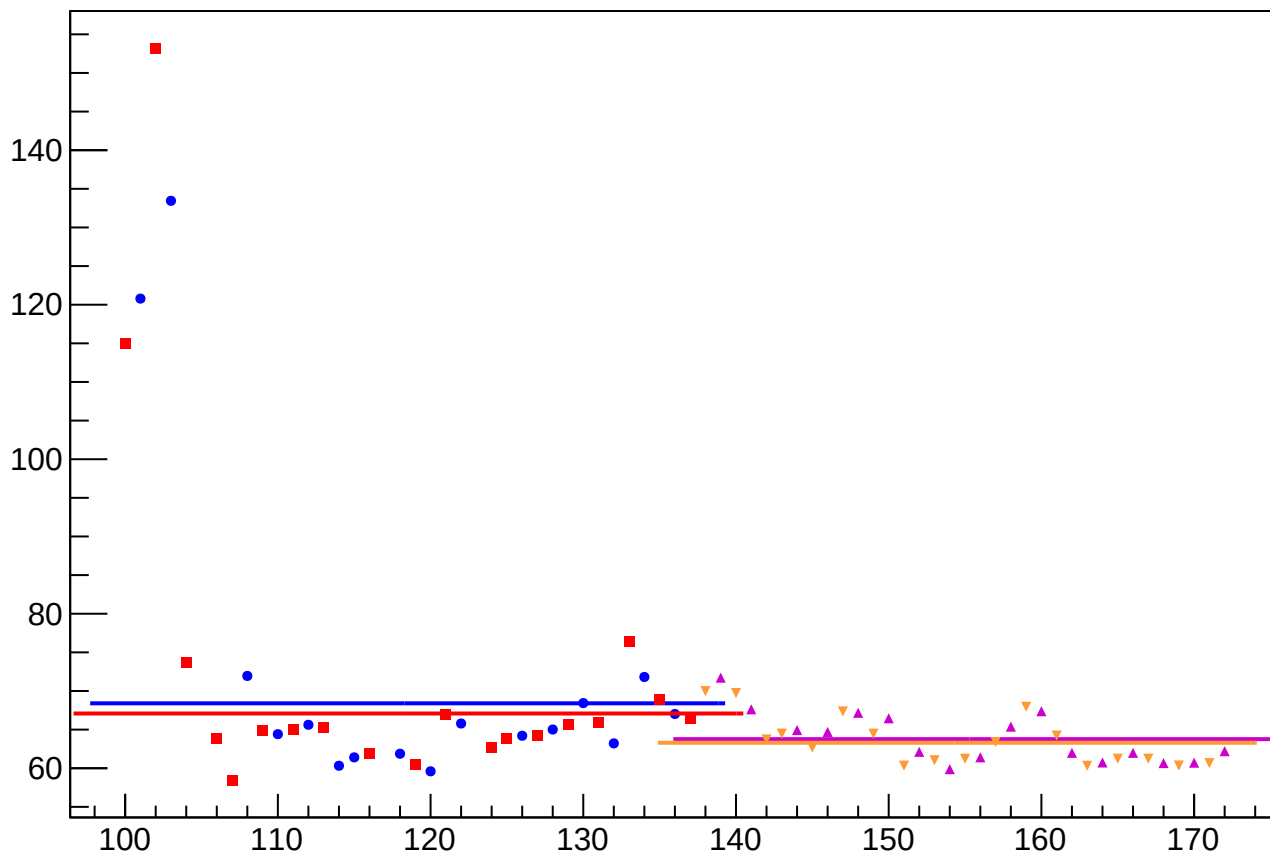
Left In: -98.395 ± 17.057 χ^2/NDF : 22.9/16

+ sign 56.188 ± 14.116 χ^2/NDF : 65.3/33

All: -0.948 ± 9.979 χ^2/NDF : 169.9/69

- sign -58.020 ± 14.108 χ^2/NDF : 71.8/35

reg_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.5/15

Left Out: 63.300 $\pm$ 0.012 χ^2 /NDF: 66737.5/17

Right Out: 67.086 $\pm$ 0.018 χ^2 /NDF: 481815.1/18

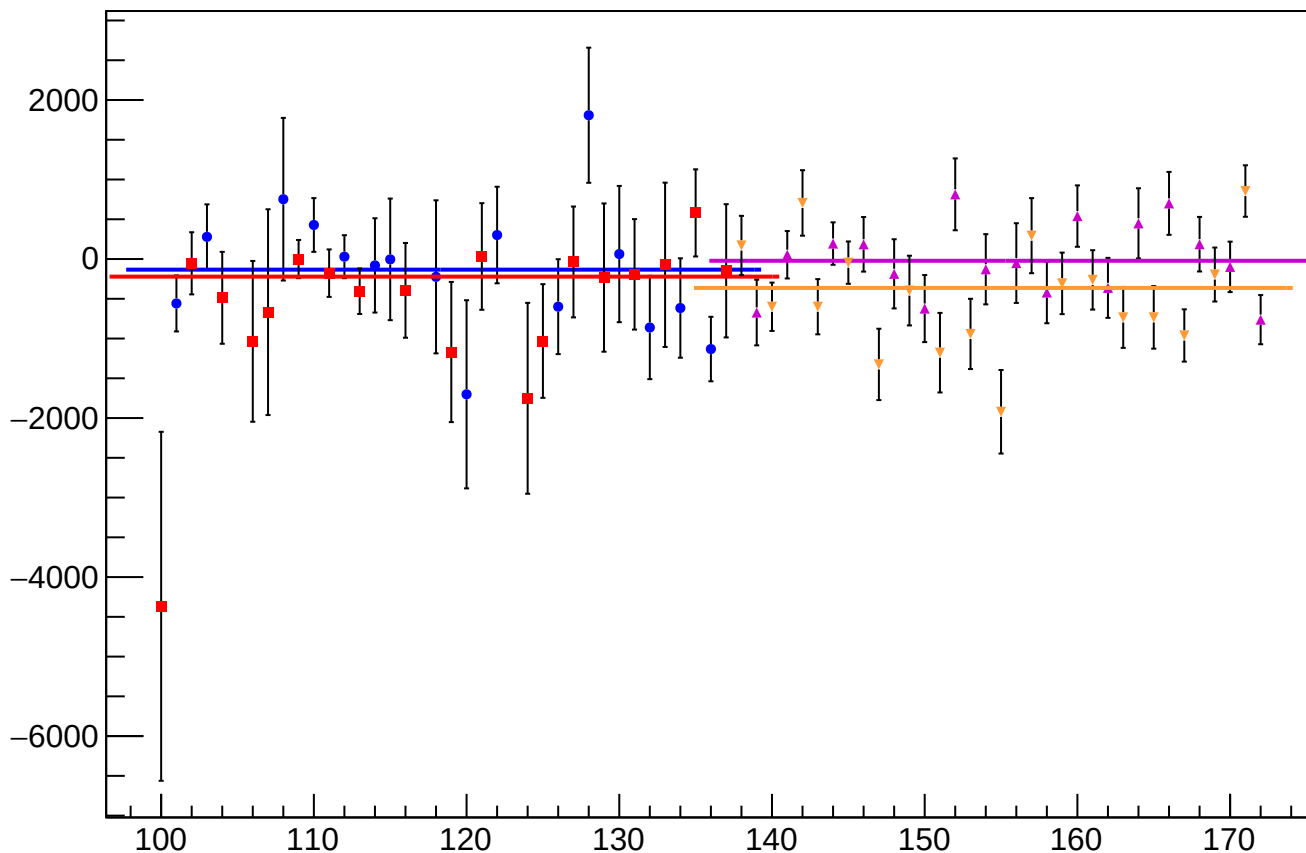
Left In: 63.766 $\pm$ 0.012 χ^2 /NDF: 66617.2/16

+ sign 64.798 $\pm$ 0.010 χ^2 /NDF: 690503.6/33

All: 64.806 $\pm$ 0.007 χ^2 /NDF: 1262865.1/69

- sign 64.814 $\pm$ 0.010 χ^2 /NDF: 572360.3/35

asym_sam7_reg_correction_mean vs Slug



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

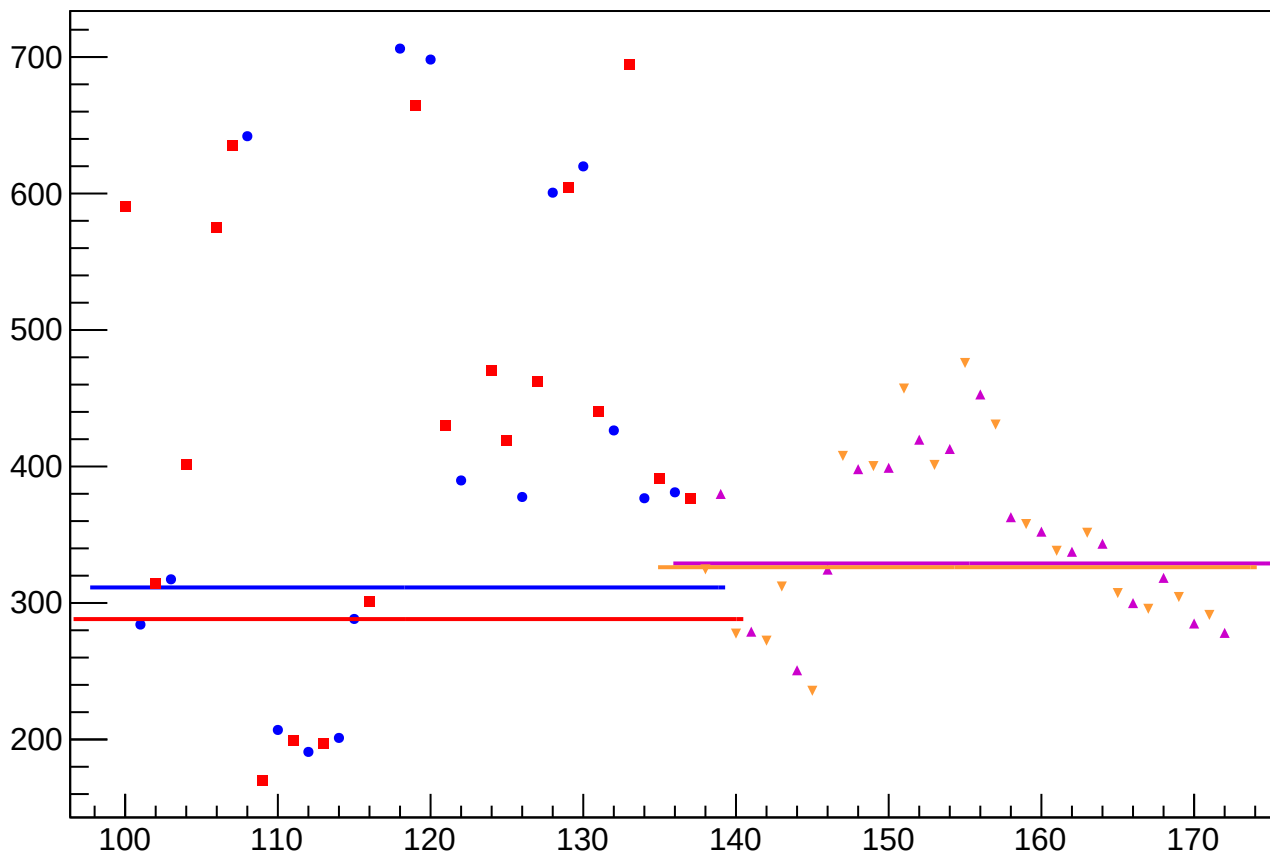
Left In: -21.854 ± 89.292 χ^2/NDF : 23.9/16

+ sign -287.708 ± 72.286 χ^2/NDF : 75.3/33

All: -189.660 ± 50.710 χ^2/NDF : 117.2/69

- sign -94.655 ± 71.156 χ^2/NDF : 38.2/35

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

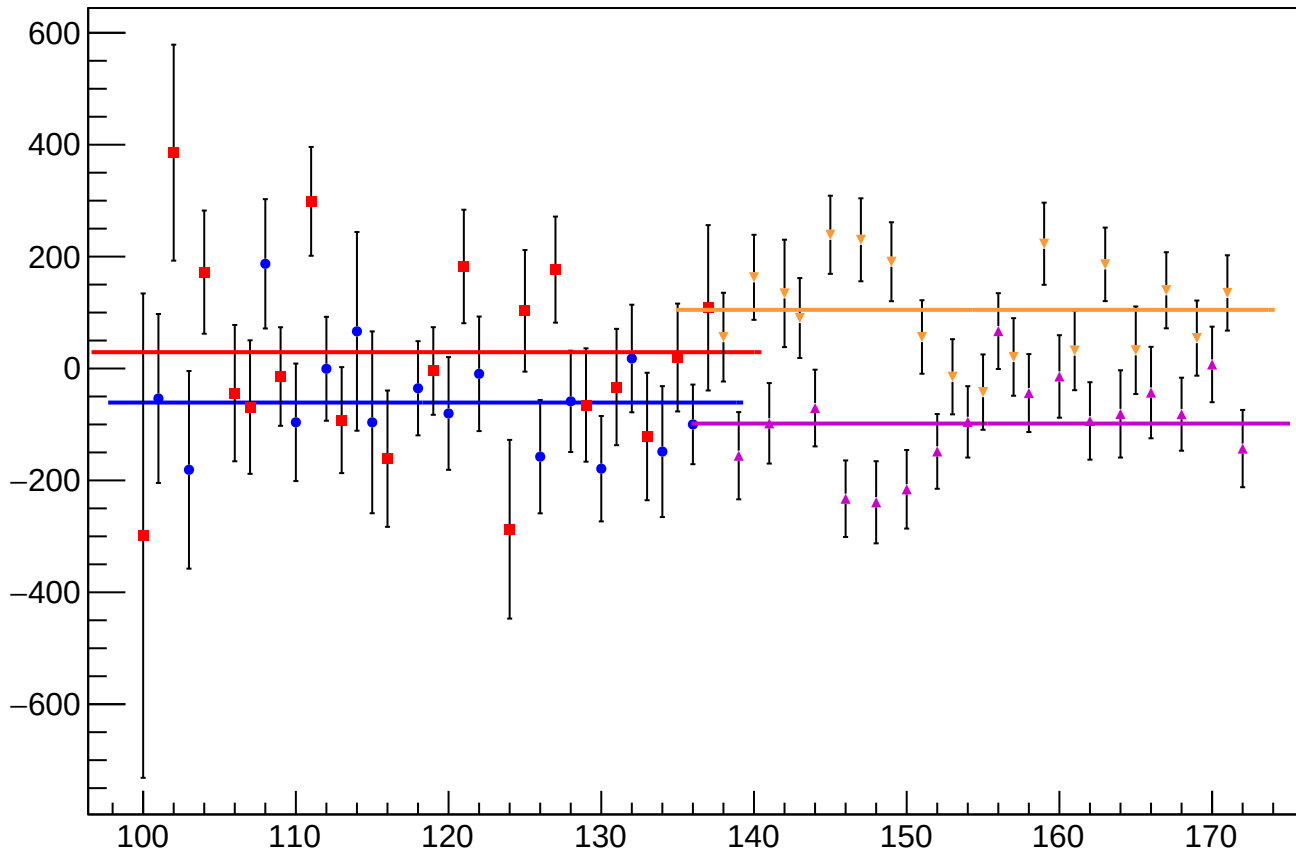
Left In: 328.952+/-0.063 χ^2/NDF : 770864.0/16

+ sign 321.319+/-0.051 χ^2/NDF : 3117527.3/33

All: 317.643+/-0.036 χ^2/NDF : 6765960.0/69

- sign 314.080+/-0.050 χ^2/NDF : 3638245.9/35

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

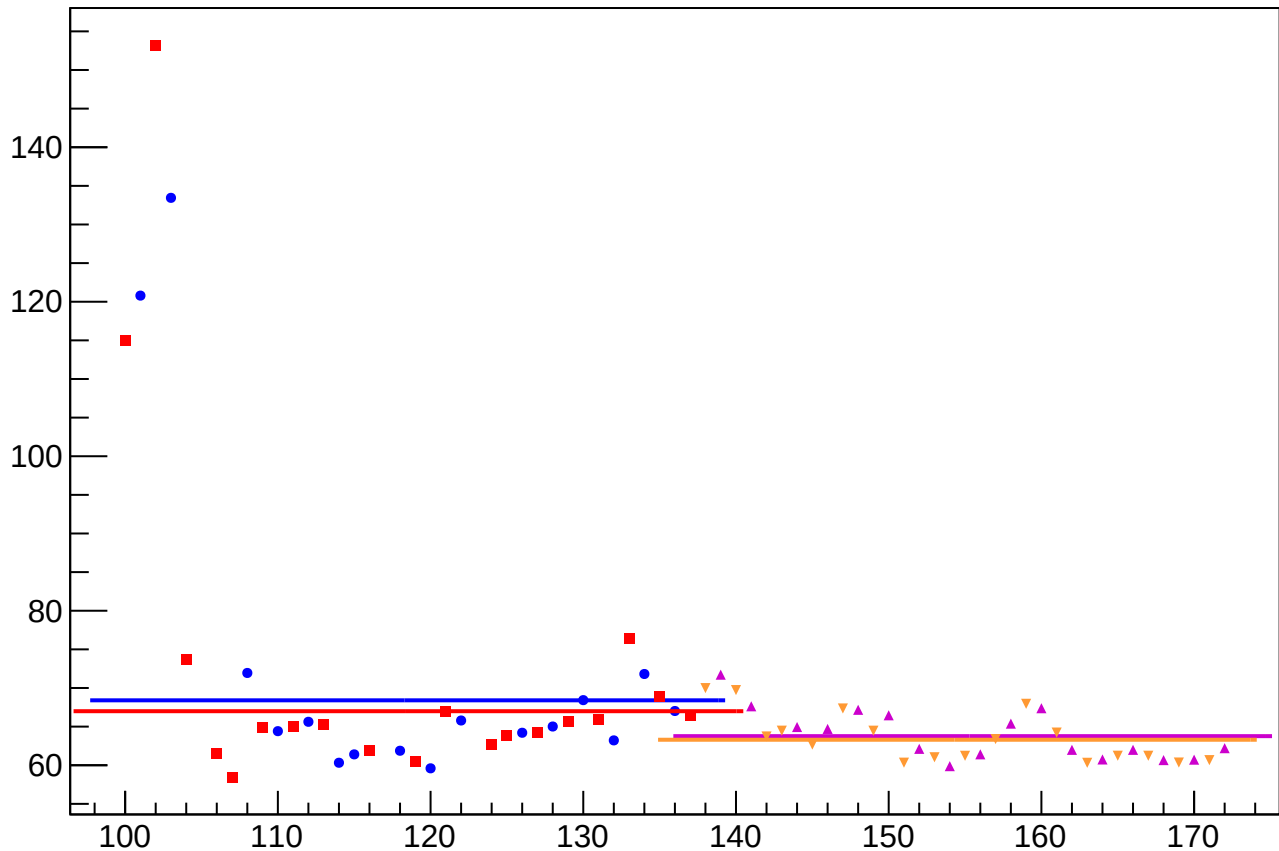
Left In: -98.393 ± 17.057 χ^2/NDF : 22.9/16

+ sign 56.187 ± 14.116 χ^2/NDF : 65.3/33

All: -0.998 ± 9.981 χ^2/NDF : 169.9/69

- sign -58.174 ± 14.115 χ^2/NDF : 71.8/35

cor_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.9/15

Left Out: 63.300 $\pm$ 0.012 χ^2 /NDF: 66737.5/17

Right Out: 66.995 $\pm$ 0.018 χ^2 /NDF: 484487.7/18

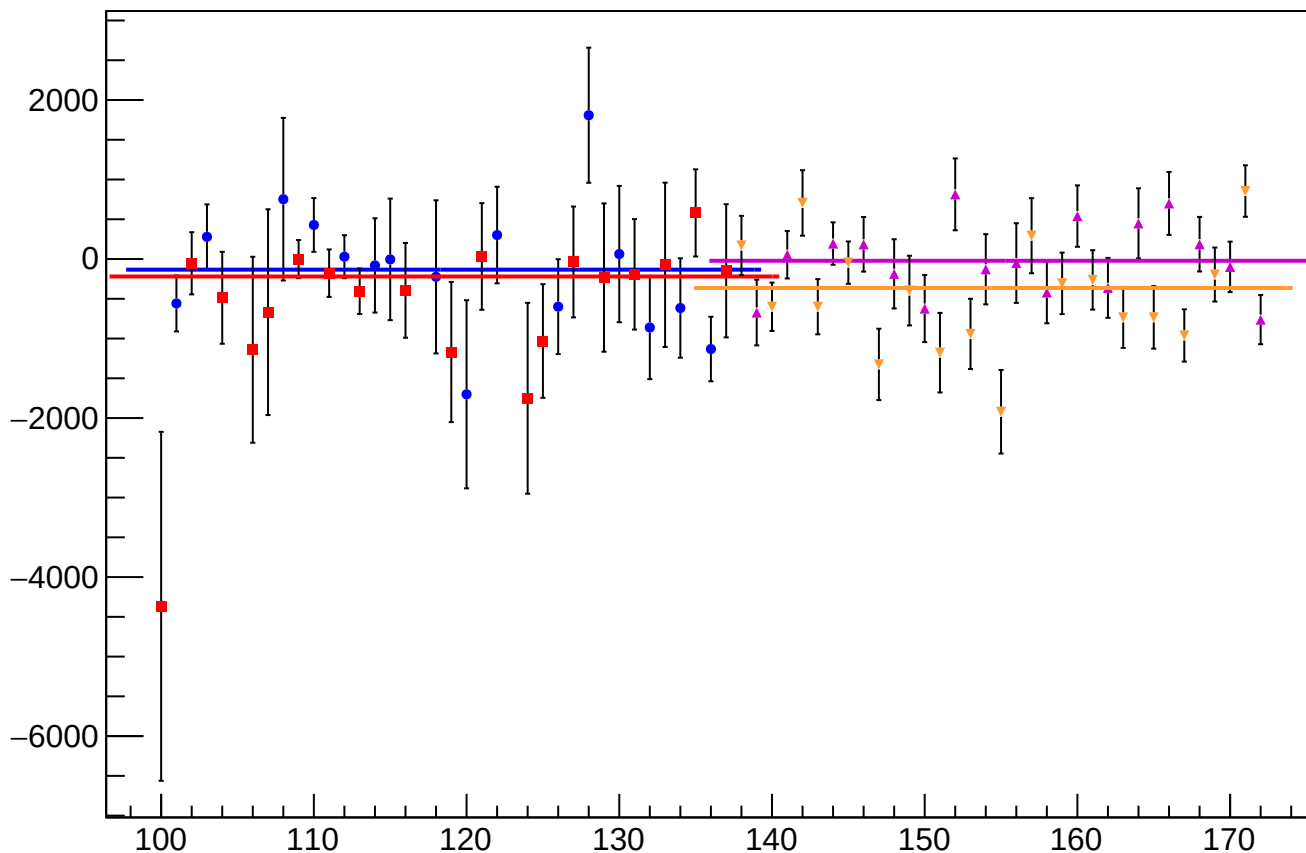
Left In: 63.766 $\pm$ 0.012 χ^2 /NDF: 66617.2/16

+ sign 64.798 $\pm$ 0.010 χ^2 /NDF: 690503.9/33

All: 64.791 $\pm$ 0.007 χ^2 /NDF: 1264196.1/69

- sign 64.783 $\pm$ 0.010 χ^2 /NDF: 573691.1/35

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

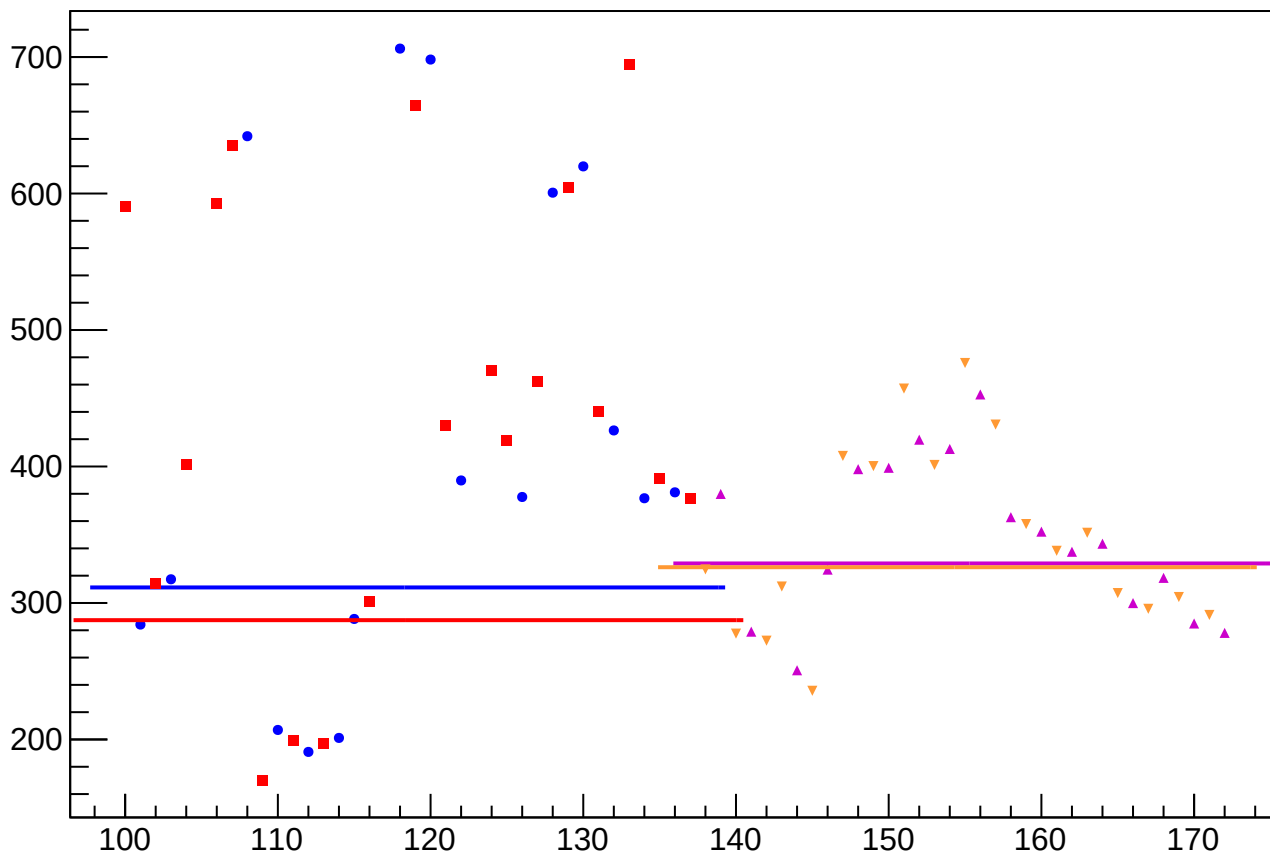
Left In: -21.847 ± 89.292 χ^2/NDF : 23.9/16

+ sign -287.708 ± 72.287 χ^2/NDF : 75.3/33

All: -189.321 ± 50.726 χ^2/NDF : 117.1/69

- sign -93.866 ± 71.201 χ^2/NDF : 38.2/35

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

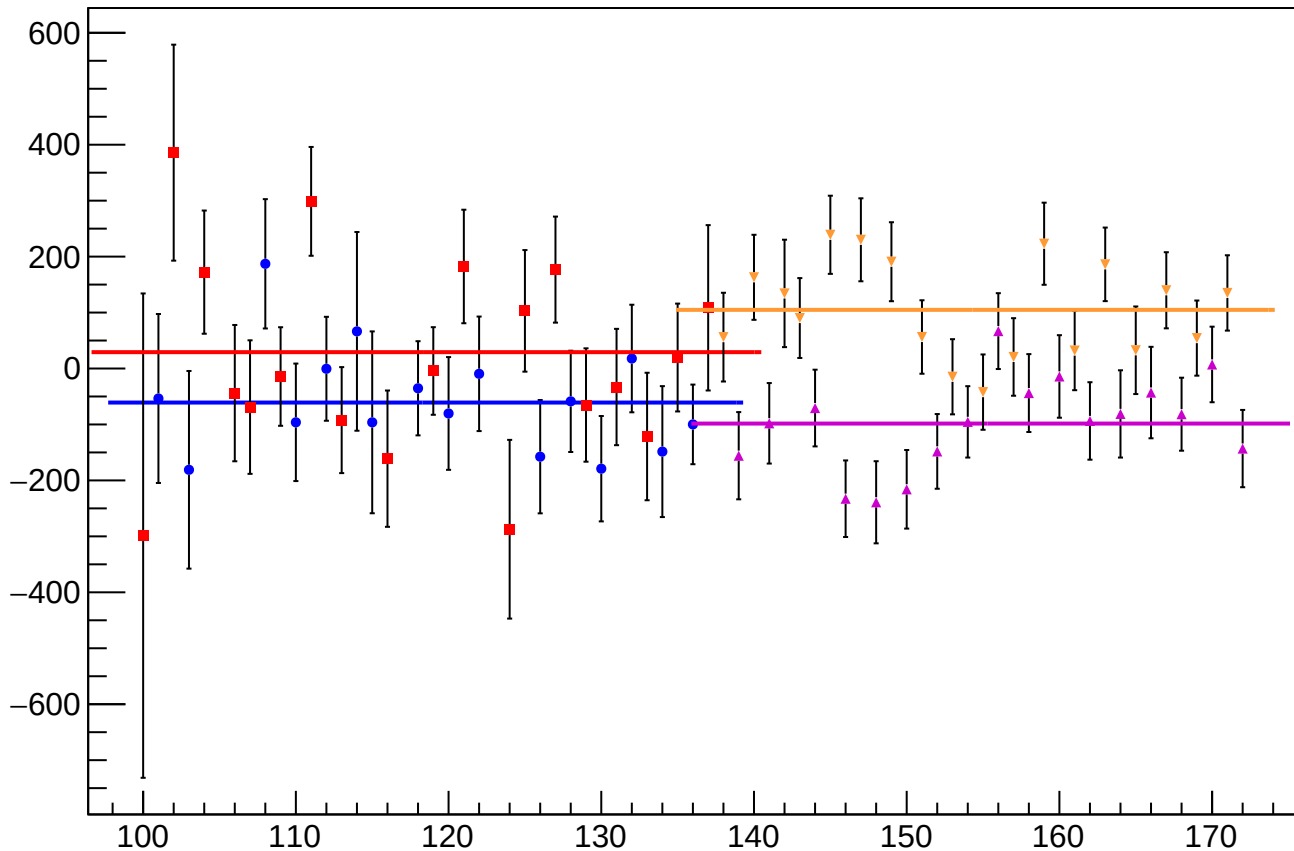
Left In: 328.952+/-0.063 χ^2/NDF : 770867.6/16

+ sign 321.320+/-0.051 χ^2/NDF : 3117527.7/33

All: 317.516+/-0.036 χ^2/NDF : 6747179.0/69

- sign 313.825+/-0.050 χ^2/NDF : 3618739.0/35

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

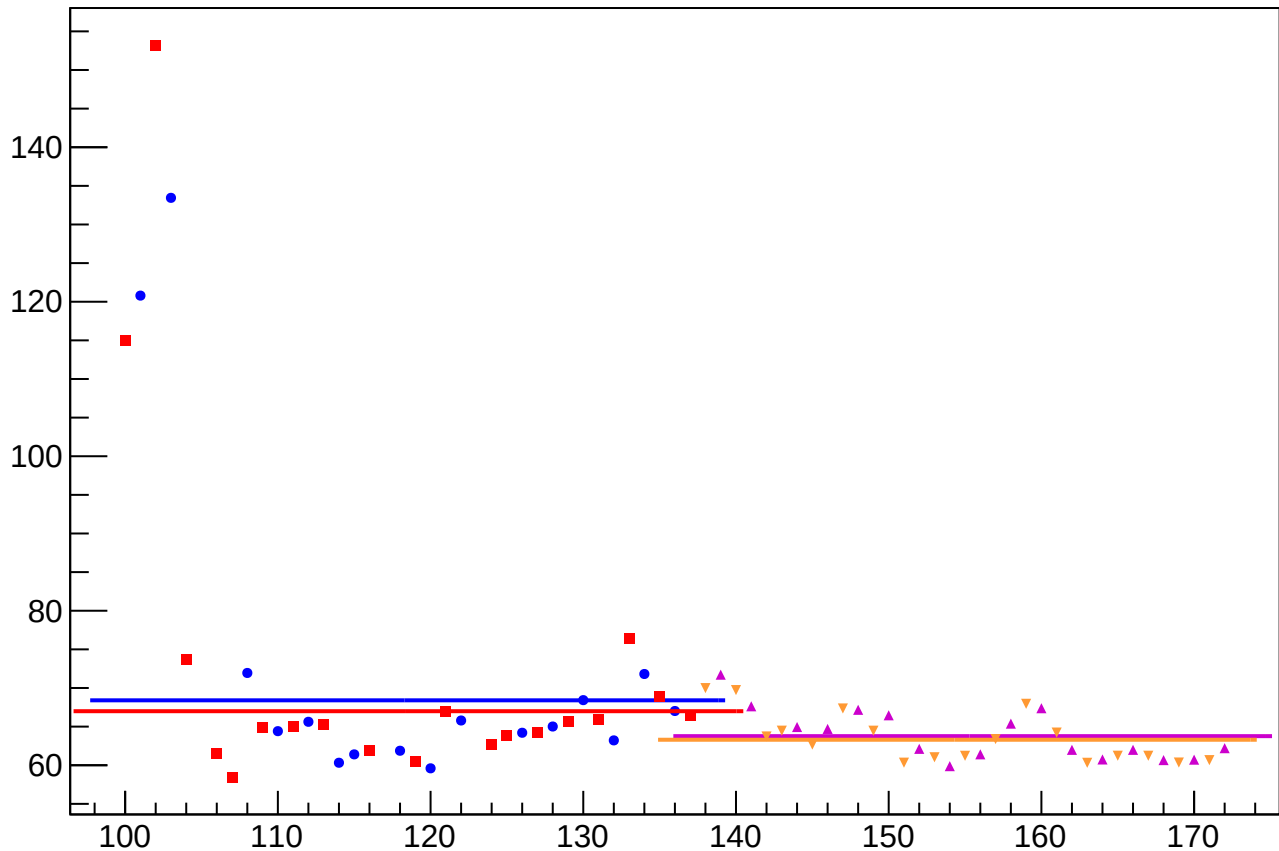
Left In: -98.393 ± 17.057 χ^2/NDF : 22.9/16

+ sign 56.187 ± 14.116 χ^2/NDF : 65.3/33

All: -0.998 ± 9.981 χ^2/NDF : 169.9/69

- sign -58.174 ± 14.115 χ^2/NDF : 71.8/35

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.403 $\pm$ 0.018 χ^2 /NDF: 569557.9/15

Left Out: 63.300 $\pm$ 0.012 χ^2 /NDF: 66737.5/17

Right Out: 66.995 $\pm$ 0.018 χ^2 /NDF: 484487.7/18

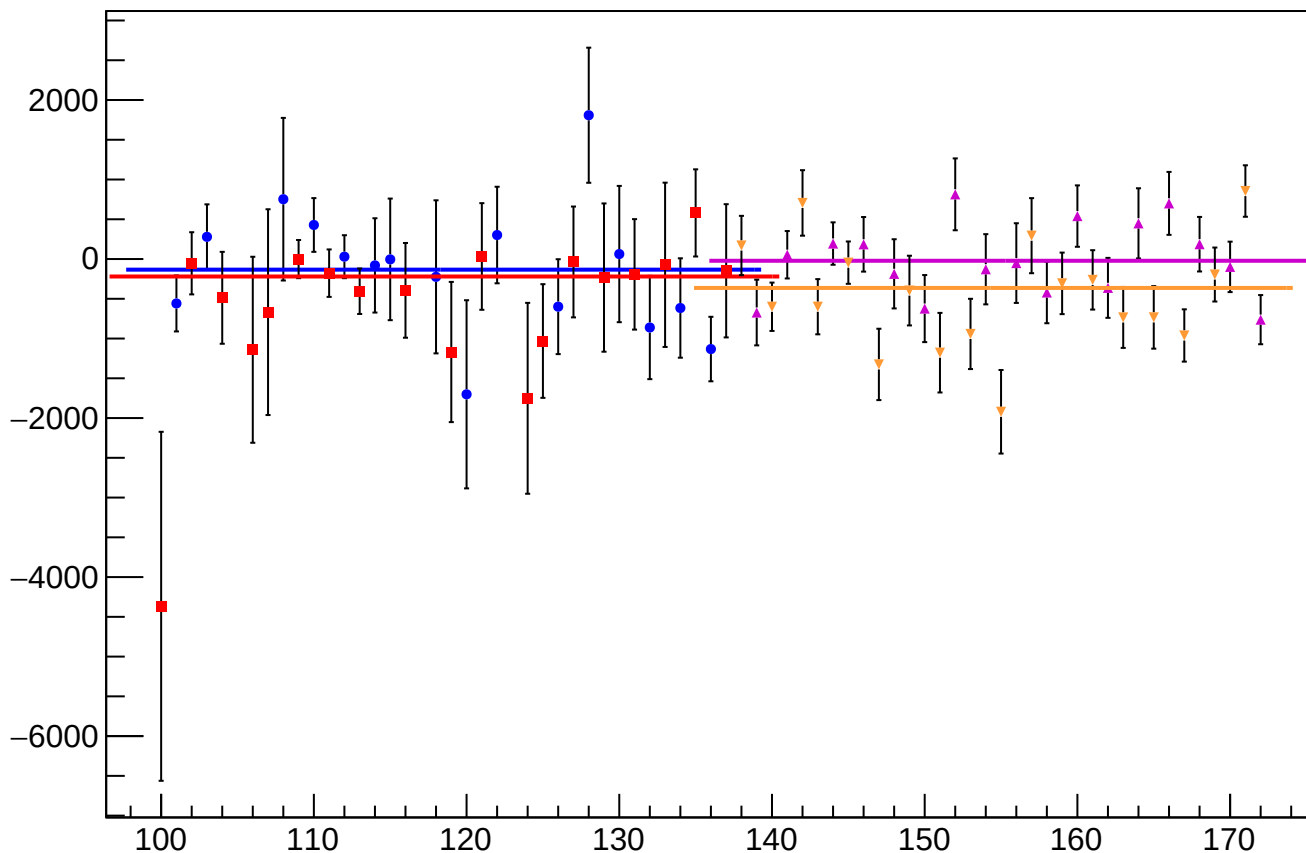
Left In: 63.766 $\pm$ 0.012 χ^2 /NDF: 66617.2/16

+ sign 64.798 $\pm$ 0.010 χ^2 /NDF: 690503.9/33

All: 64.791 $\pm$ 0.007 χ^2 /NDF: 1264196.1/69

- sign 64.783 $\pm$ 0.010 χ^2 /NDF: 573691.1/35

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -133.587 $\pm$ 125.904 χ^2 /NDF: 22.5/15

Left Out: -363.493 $\pm$ 88.288 χ^2 /NDF: 50.6/17

Right Out: -219.615 $\pm$ 117.989 χ^2 /NDF: 12.5/18

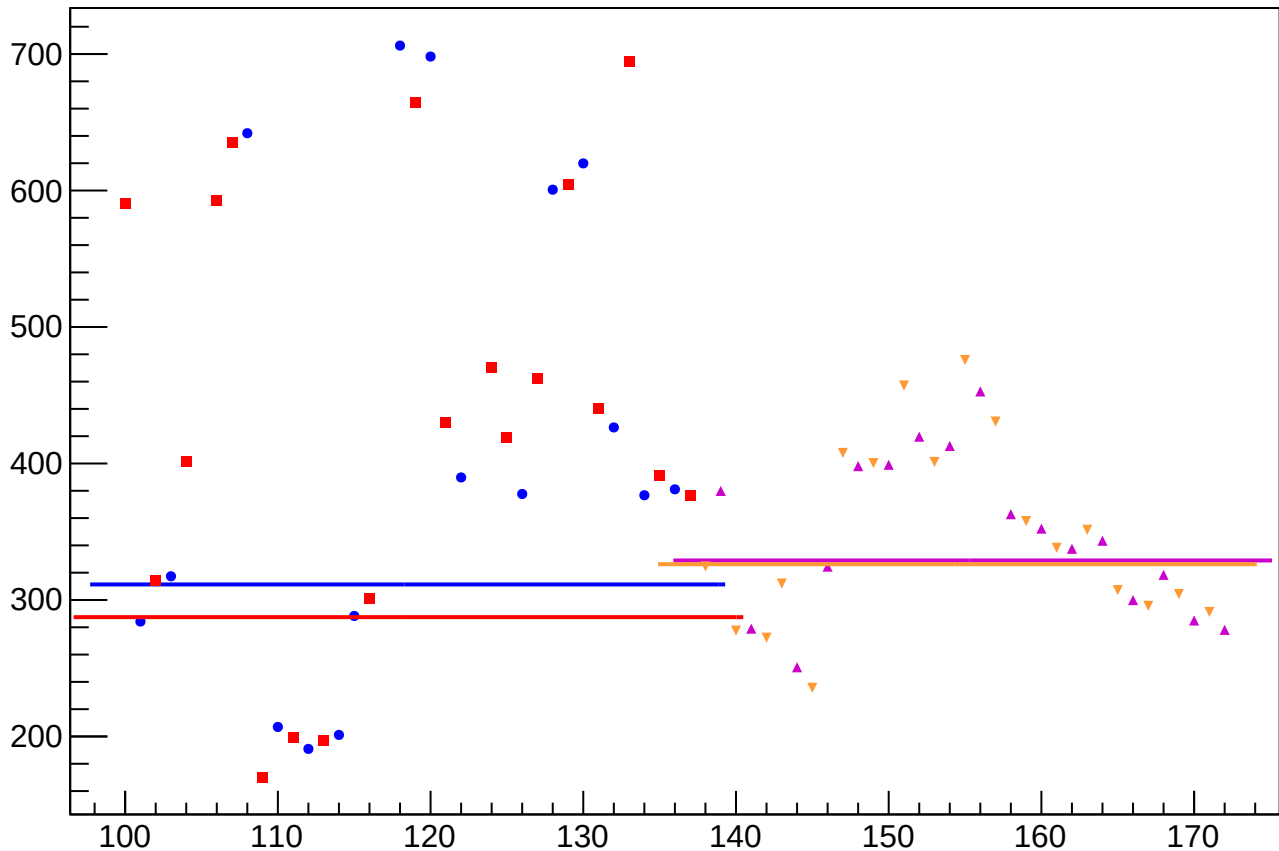
Left In: -21.847 $\pm$ 89.292 χ^2 /NDF: 23.9/16

+ sign -287.708 $\pm$ 72.287 χ^2 /NDF: 75.3/33

All: -189.321 $\pm$ 50.726 χ^2 /NDF: 117.1/69

- sign -93.866 $\pm$ 71.201 χ^2 /NDF: 38.2/35

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 311.388 $\pm$ 0.089 χ^2/NDF : 2123799.0/15

Left Out: 326.203 $\pm$ 0.062 χ^2/NDF : 975164.4/17

Right Out: 287.413 $\pm$ 0.083 χ^2/NDF : 2690258.0/18

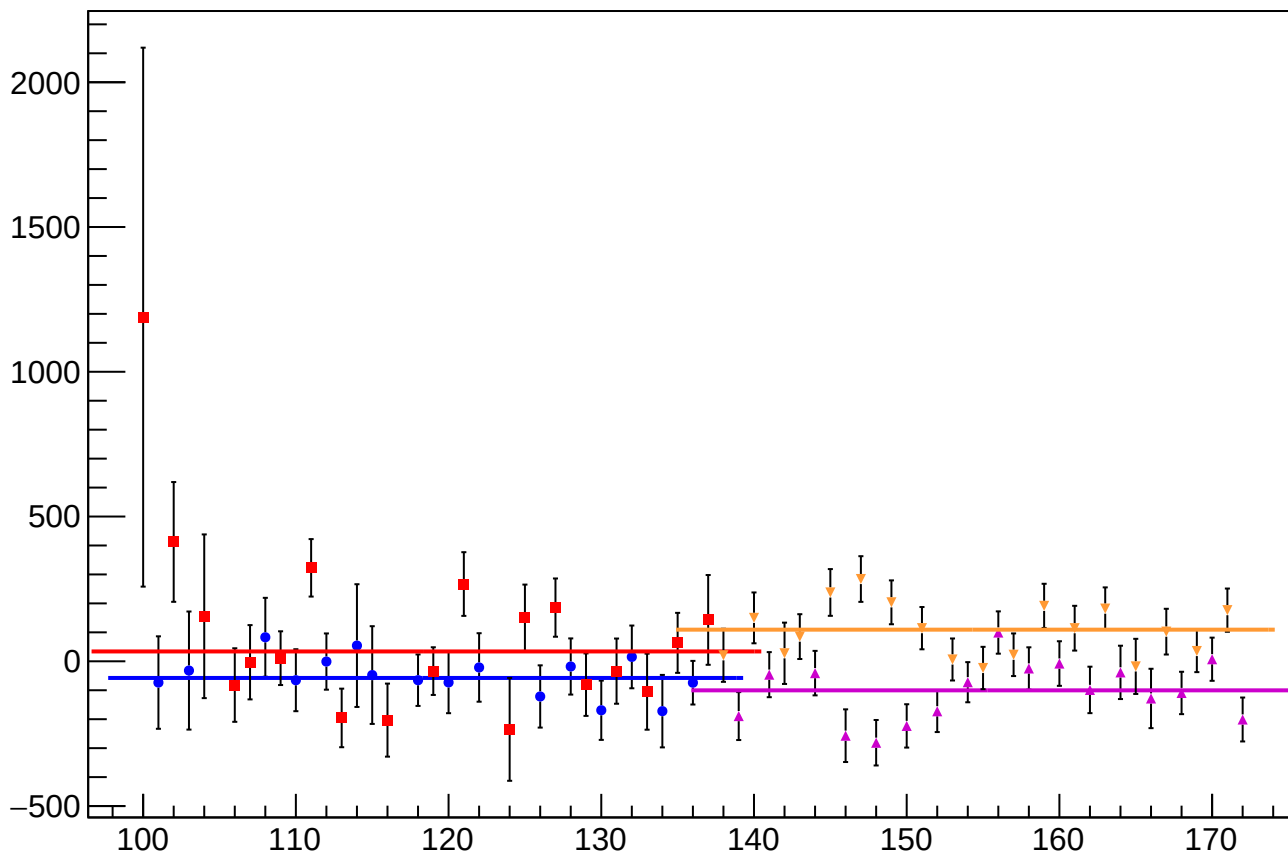
Left In: 328.952 $\pm$ 0.063 χ^2/NDF : 770867.6/16

+ sign 321.320 $\pm$ 0.051 χ^2/NDF : 3117527.7/33

All: 317.516 $\pm$ 0.036 χ^2/NDF : 6747179.0/69

- sign 313.825 $\pm$ 0.050 χ^2/NDF : 3618739.0/35

dit_asym_sam7_mean vs Slug



Right In: -57.533 ± 28.087 $\chi^2/\text{NDF}: 4.9/15$

Left Out: 109.260 ± 18.553 $\chi^2/\text{NDF}: 23.3/17$

Right Out: 34.033 ± 27.398 $\chi^2/\text{NDF}: 37.1/18$

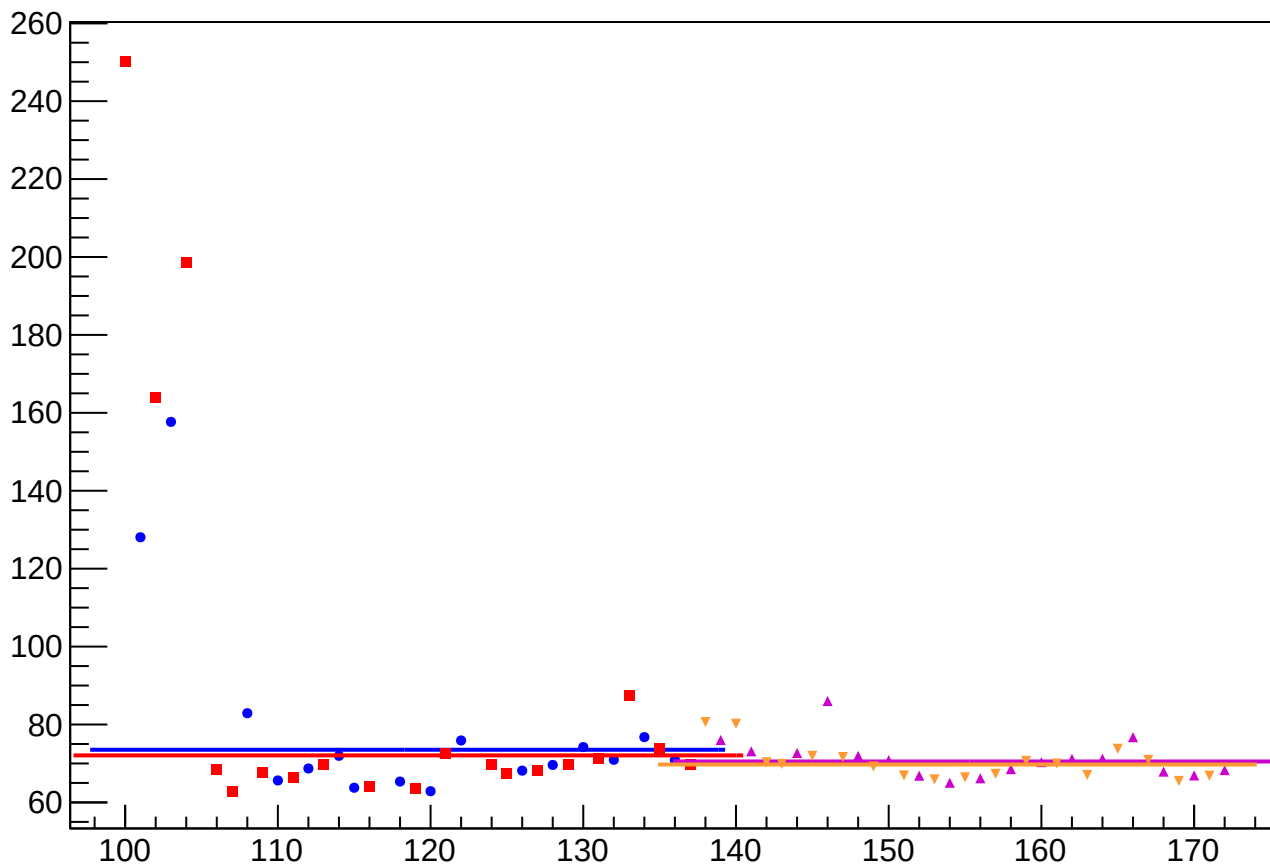
Left In: -100.325 ± 18.912 $\chi^2/\text{NDF}: 28.7/16$

+ sign 58.592 ± 15.480 $\chi^2/\text{NDF}: 52.7/33$

All: 1.125 ± 10.976 $\chi^2/\text{NDF}: 162.6/69$

- sign -56.966 ± 15.564 $\chi^2/\text{NDF}: 82.2/35$

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

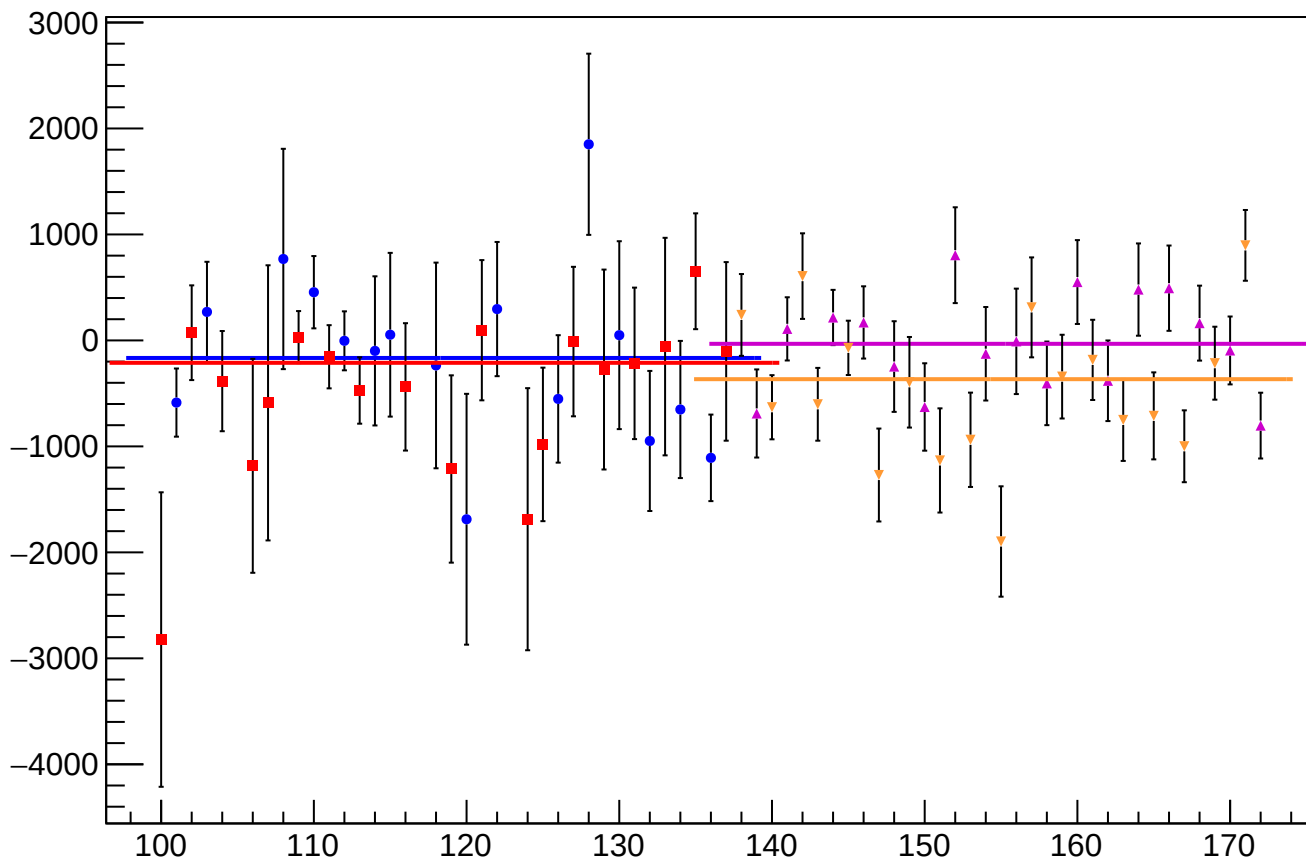
Left In: 70.509+/-0.013 χ^2 /NDF: 114103.2/16

+ sign 70.884+/-0.011 χ^2 /NDF: 772901.6/33

All: 70.949+/-0.008 χ^2 /NDF: 1849991.6/69

- sign 71.014+/-0.011 χ^2 /NDF: 1077020.2/35

asym_sam7_dit_correction_mean vs Slug



Right In: -165.500 $\pm$ 128.438 χ^2 /NDF: 22.6/15

Left Out: -365.788 $\pm$ 88.520 χ^2 /NDF: 49.8/17

Right Out: -211.347 $\pm$ 120.122 χ^2 /NDF: 13.6/18

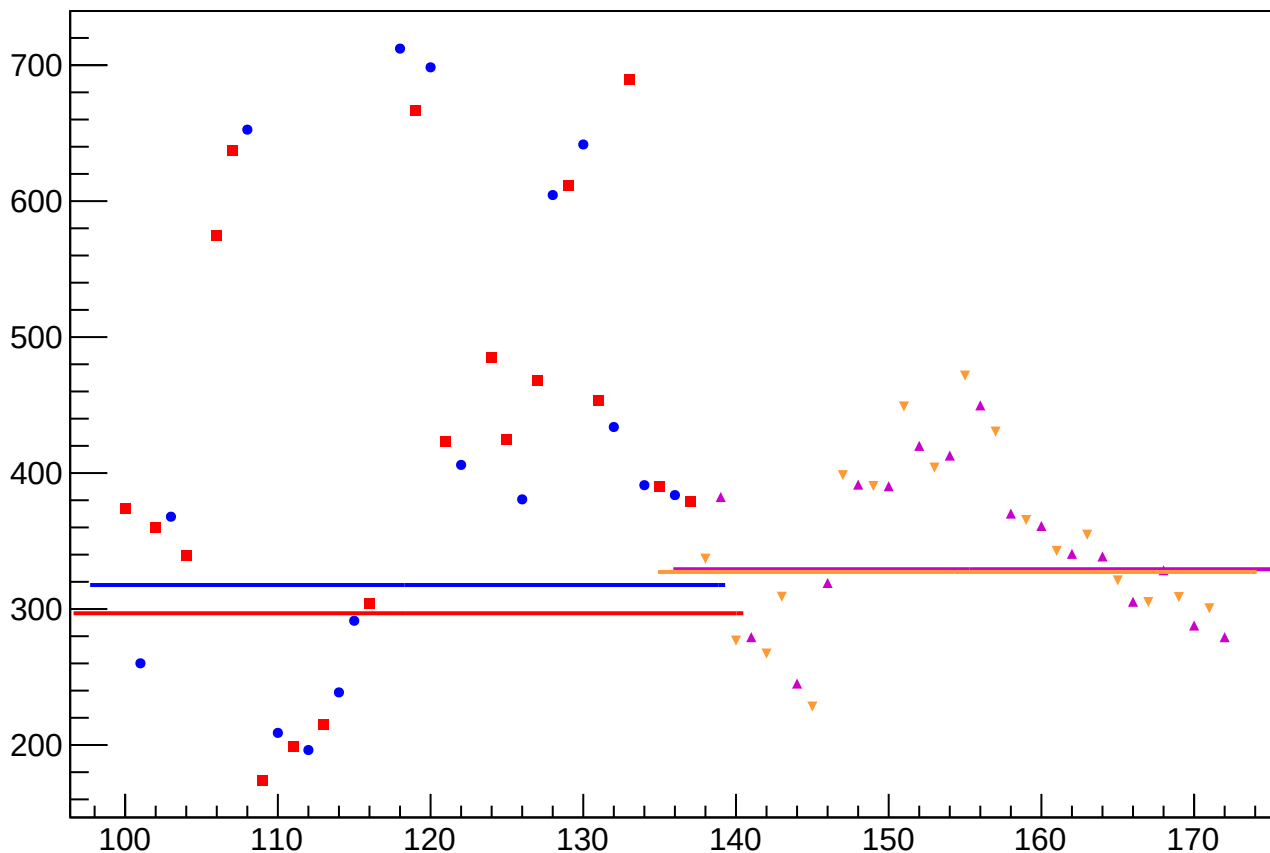
Left In: -32.143 $\pm$ 89.423 χ^2 /NDF: 23.3/16

+ sign -301.287 $\pm$ 72.886 χ^2 /NDF: 74.1/33

All: -197.023 $\pm$ 51.124 χ^2 /NDF: 116.5/69

- sign -96.043 $\pm$ 71.729 χ^2 /NDF: 38.3/35

asym_sam7_dit_correction_rms vs Slug



Right In: 317.664 $\pm$ 0.091 χ^2 /NDF: 2136192.8/15

Left Out: 327.259 $\pm$ 0.063 χ^2 /NDF: 992797.5/17

Right Out: 296.888 $\pm$ 0.085 χ^2 /NDF: 2541040.3/18

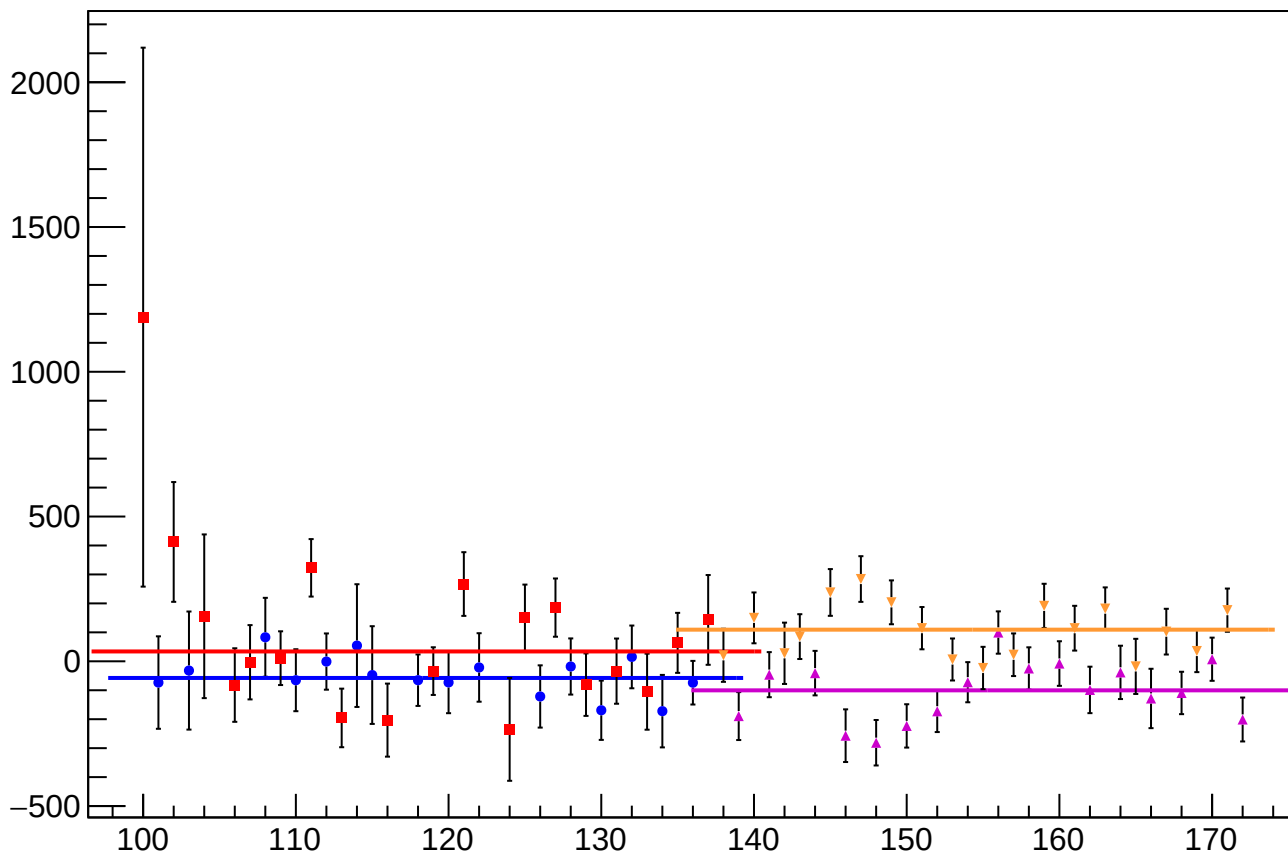
Left In: 329.274 $\pm$ 0.063 χ^2 /NDF: 783683.6/16

+ sign 324.169 $\pm$ 0.052 χ^2 /NDF: 3136558.5/33

All: 320.896 $\pm$ 0.036 χ^2 /NDF: 6562761.2/69

- sign 317.726 $\pm$ 0.051 χ^2 /NDF: 3418262.1/35

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

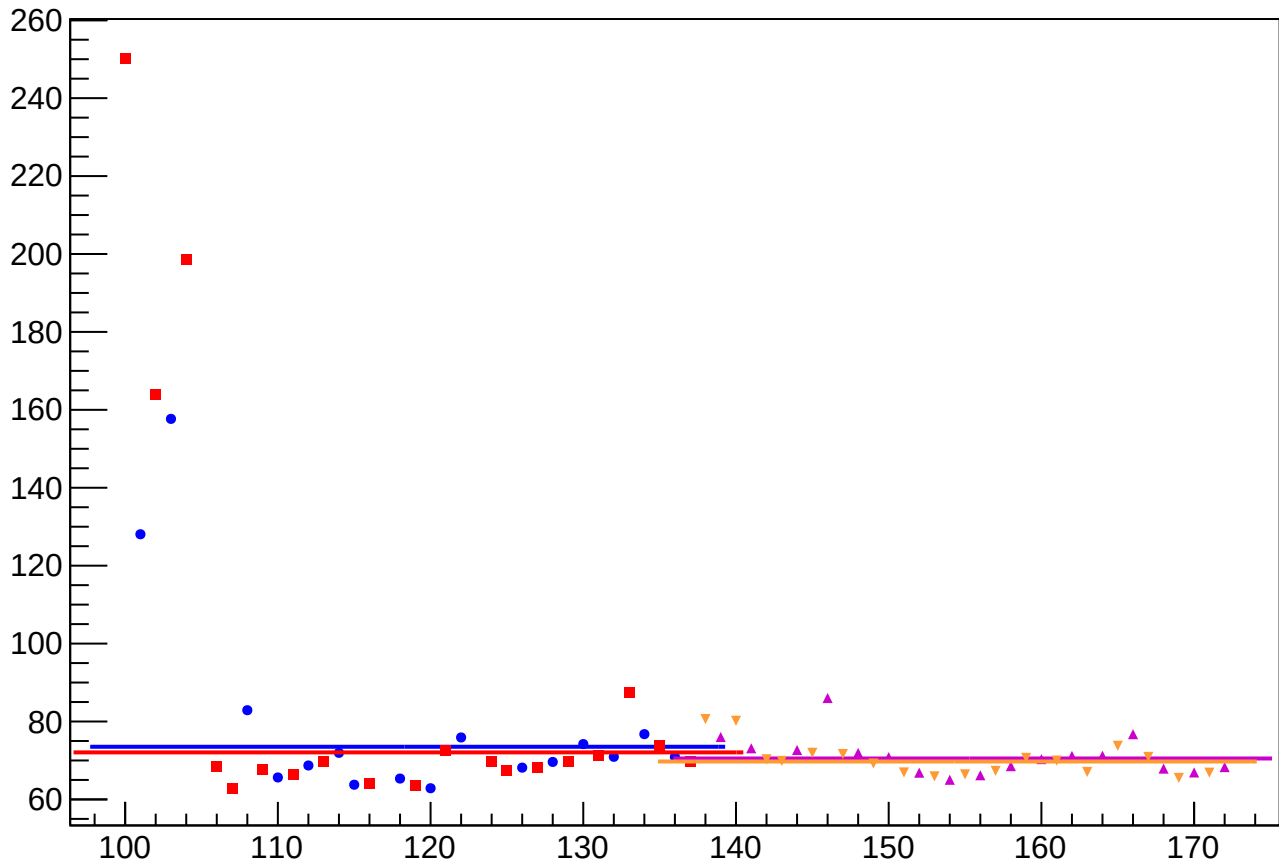
Left In: -100.325 ± 18.912 χ^2/NDF : 28.7/16

+ sign 58.592 ± 15.480 χ^2/NDF : 52.7/33

All: 1.125 ± 10.976 χ^2/NDF : 162.6/69

- sign -56.966 ± 15.564 χ^2/NDF : 82.2/35

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.519 $\pm$ 0.020 χ^2 /NDF: 656849.2/15

Left Out: 69.734 $\pm$ 0.013 χ^2 /NDF: 90769.3/17

Right Out: 72.074 $\pm$ 0.019 χ^2 /NDF: 958496.3/18

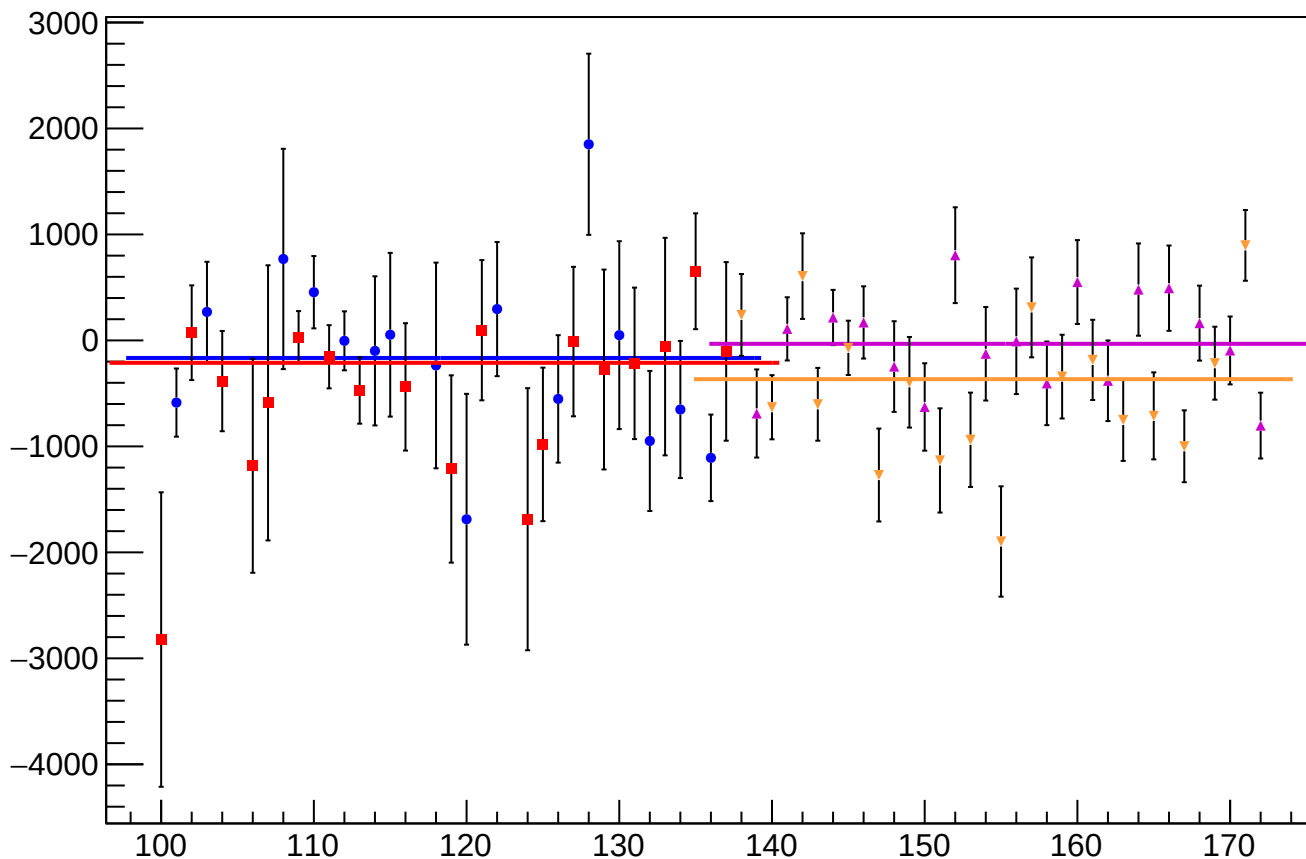
Left In: 70.509 $\pm$ 0.013 χ^2 /NDF: 114102.9/16

+ sign 70.884 $\pm$ 0.011 χ^2 /NDF: 772900.3/33

All: 70.949 $\pm$ 0.008 χ^2 /NDF: 1849990.7/69

- sign 71.014 $\pm$ 0.011 χ^2 /NDF: 1077020.5/35

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -165.498 $\pm$ 128.437 χ^2 /NDF: 22.6/15

Left Out: -365.788 $\pm$ 88.520 χ^2 /NDF: 49.8/17

Right Out: -211.347 $\pm$ 120.121 χ^2 /NDF: 13.6/18

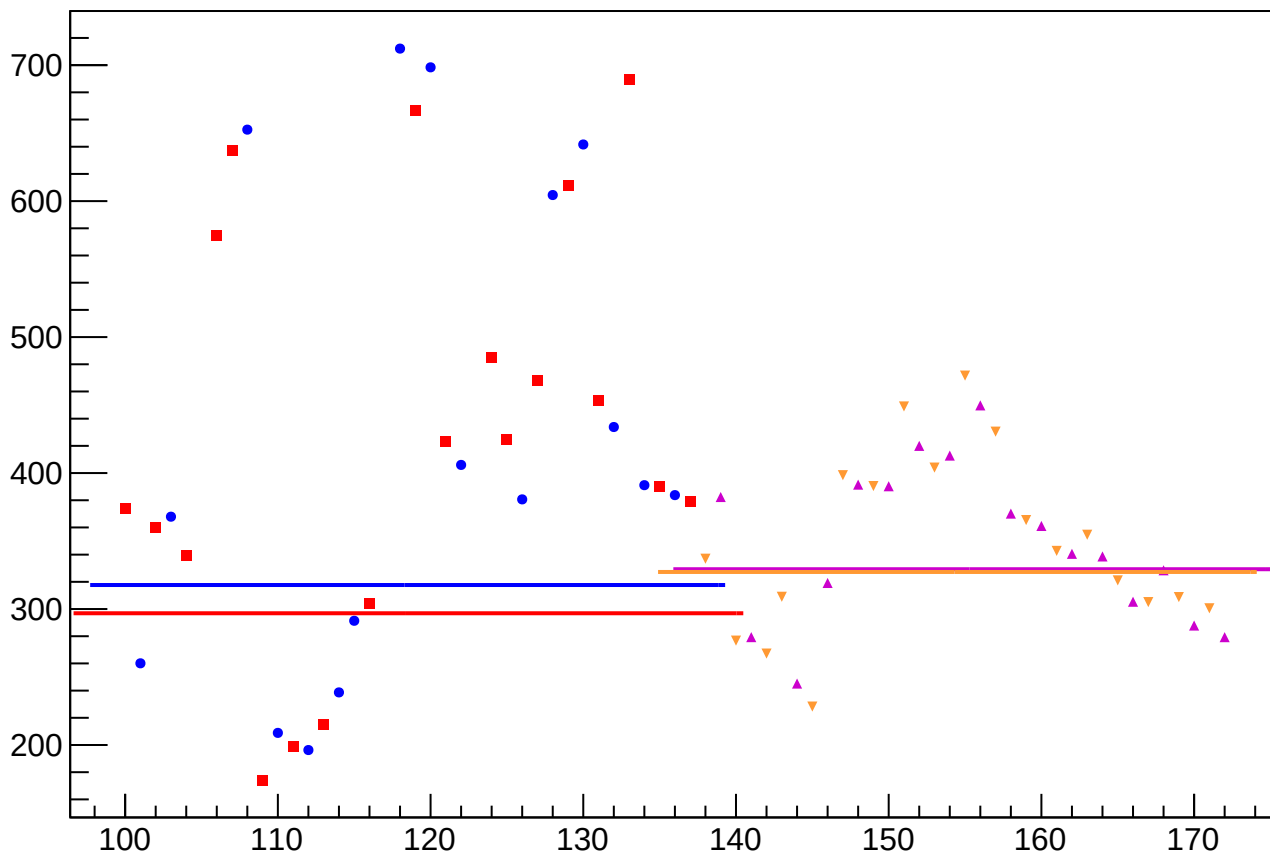
Left In: -32.142 $\pm$ 89.423 χ^2 /NDF: 23.3/16

+ sign -301.286 $\pm$ 72.886 χ^2 /NDF: 74.1/33

All: -197.022 $\pm$ 51.124 χ^2 /NDF: 116.5/69

- sign -96.042 $\pm$ 71.729 χ^2 /NDF: 38.3/35

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 317.661 $\pm$ 0.091 χ^2 /NDF: 2136224.4/15

Left Out: 327.259 $\pm$ 0.063 χ^2 /NDF: 992806.4/17

Right Out: 296.887 $\pm$ 0.085 χ^2 /NDF: 2541051.2/18

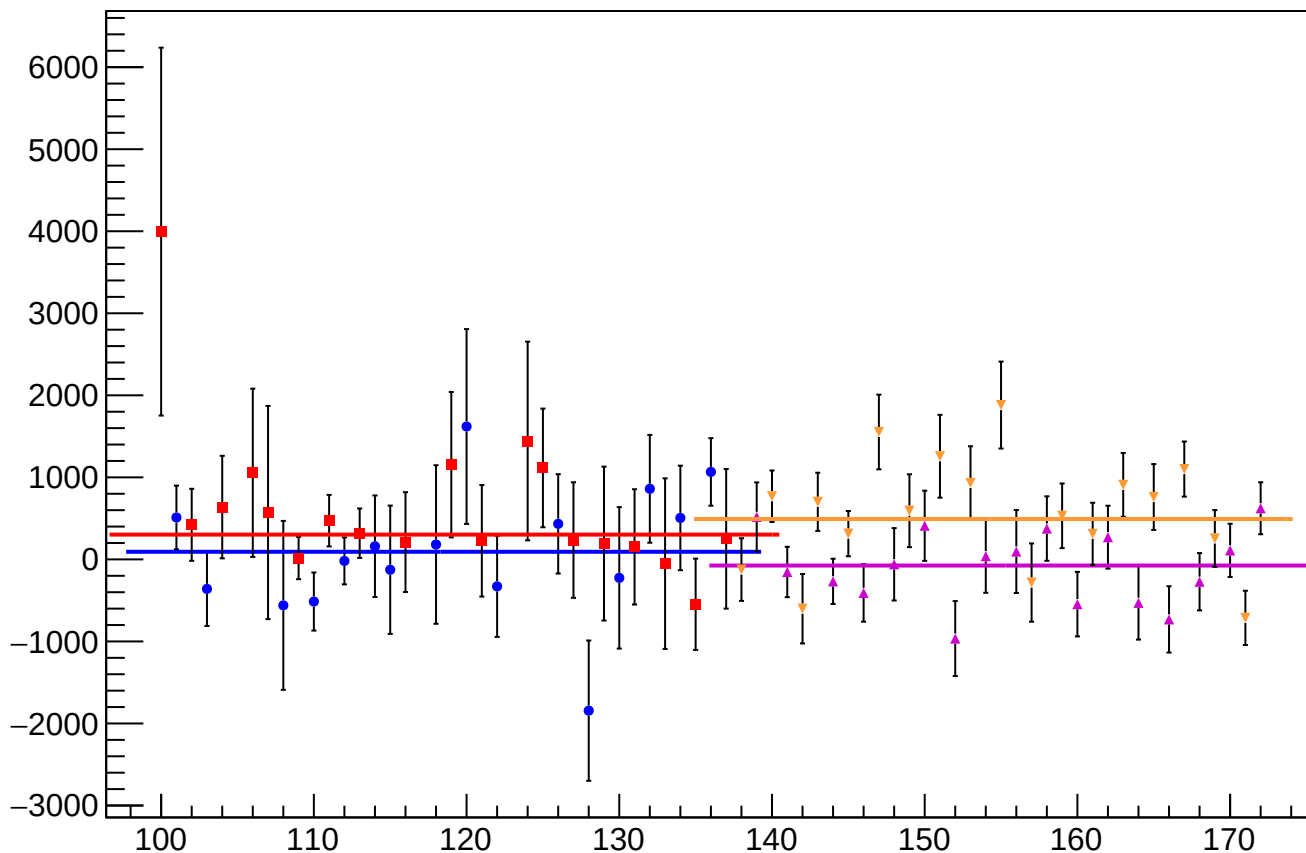
Left In: 329.274 $\pm$ 0.063 χ^2 /NDF: 783687.0/16

+ sign 324.168 $\pm$ 0.052 χ^2 /NDF: 3136602.6/33

All: 320.895 $\pm$ 0.036 χ^2 /NDF: 6562828.1/69

- sign 317.725 $\pm$ 0.051 χ^2 /NDF: 3418285.9/35

asym_sam7_mean vs Slug



Right In: 92.803 $\pm$ 131.927 χ^2 /NDF: 20.8/15

Left Out: 492.334 $\pm$ 90.159 χ^2 /NDF: 47.9/17

Right Out: 302.273 $\pm$ 123.916 χ^2 /NDF: 10.8/18

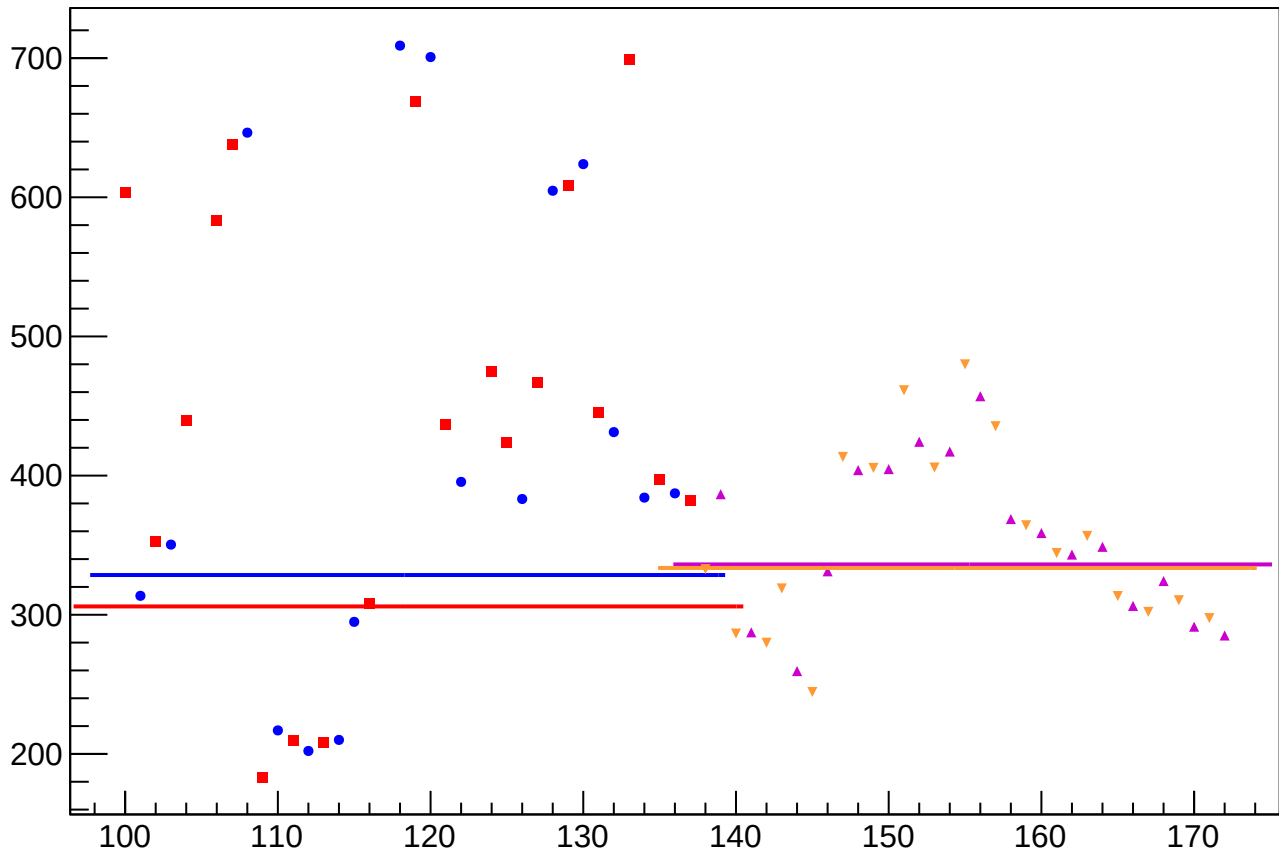
Left In: -74.863 $\pm$ 91.139 χ^2 /NDF: 21.4/16

+ sign 365.142 $\pm$ 74.437 χ^2 /NDF: 75.0/33

All: 209.219 $\pm$ 52.272 χ^2 /NDF: 121.9/69

- sign 57.530 $\pm$ 73.420 χ^2 /NDF: 38.3/35

asym_sam7_rms vs Slug



Right In: 328.567 $\pm$ 0.093 χ^2 /NDF: 1958873.4/15

Left Out: 333.645 $\pm$ 0.064 χ^2 /NDF: 903305.7/17

Right Out: 305.988 $\pm$ 0.088 χ^2 /NDF: 2527463.5/18

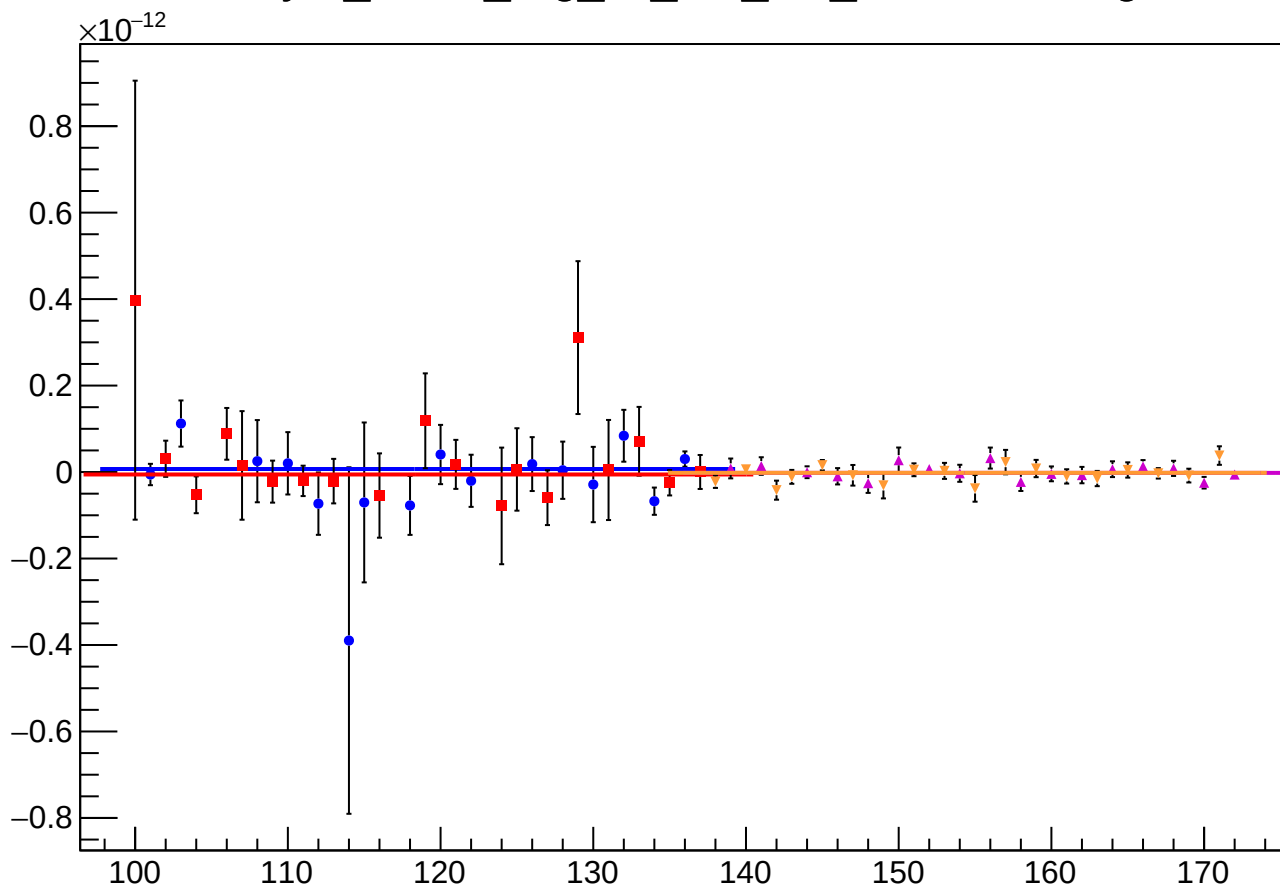
Left In: 336.173 $\pm$ 0.064 χ^2 /NDF: 713154.9/16

+ sign 332.028 $\pm$ 0.053 χ^2 /NDF: 2864199.0/33

All: 328.758 $\pm$ 0.037 χ^2 /NDF: 6189443.4/69

- sign 325.577 $\pm$ 0.052 χ^2 /NDF: 3317629.0/35

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

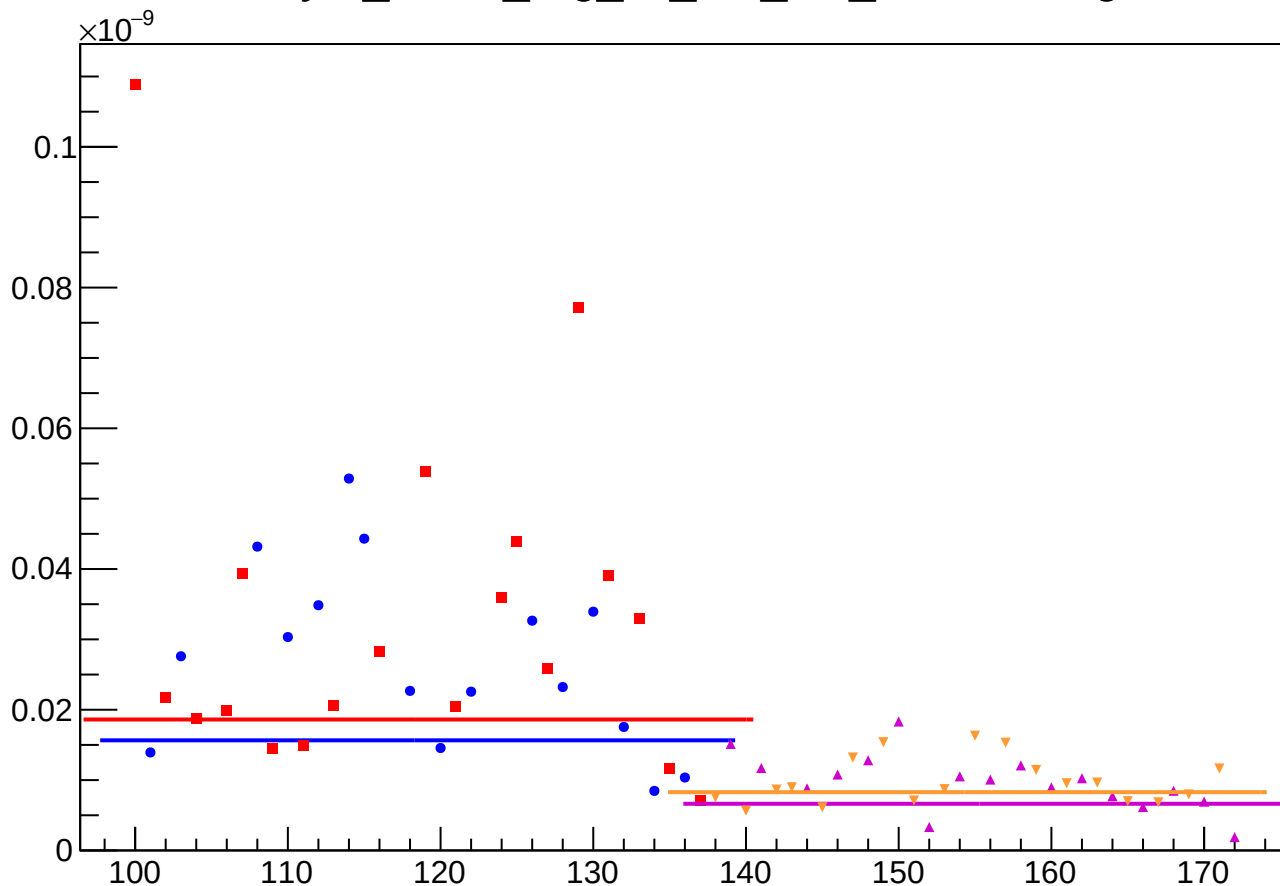
Left In: -0.000 ± 0.000 χ^2/NDF : 11.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 34.9/33

All: -0.000 ± 0.000 χ^2/NDF : 59.4/69

- sign -0.000 ± 0.000 χ^2/NDF : 24.4/35

asym_sam7_reg_vs_cor_diff_rms vs Slug



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

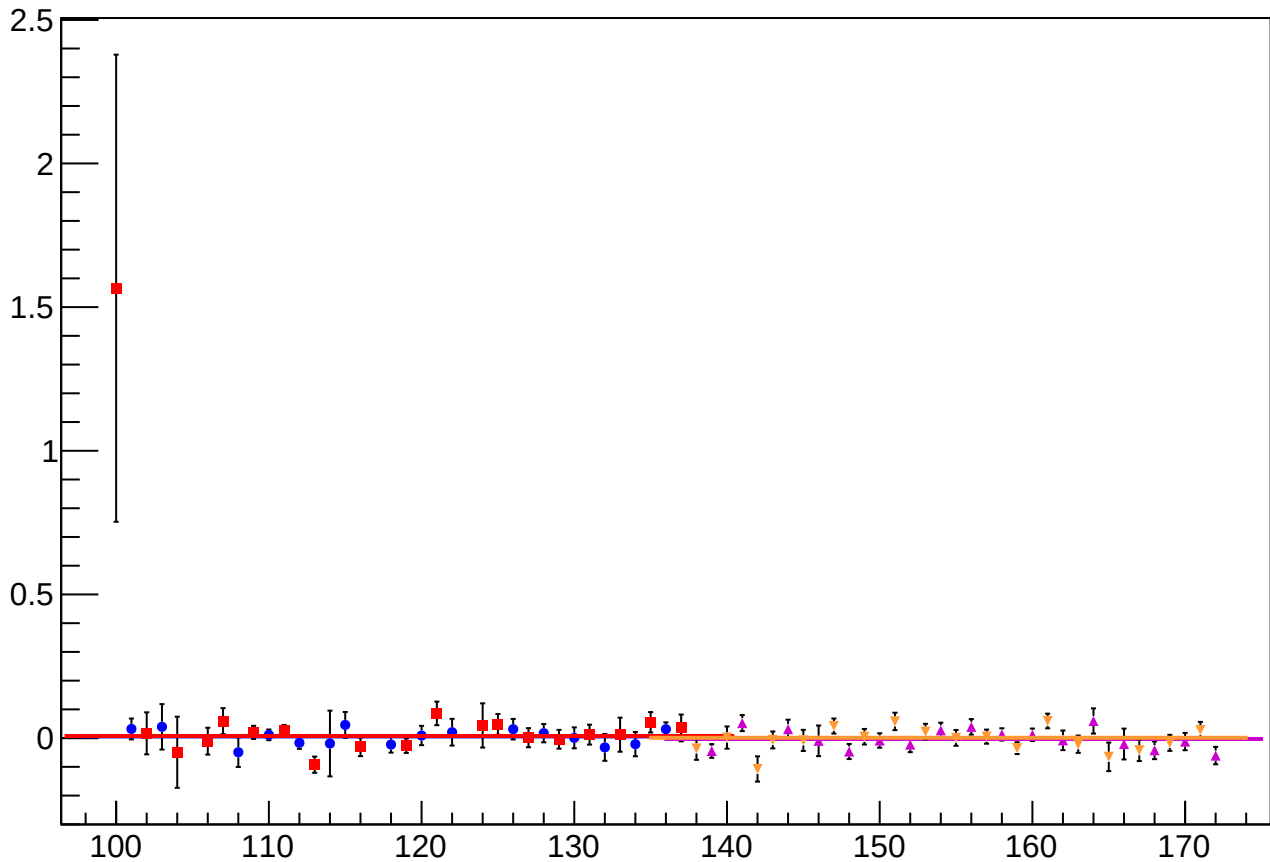
Left In: 0.000+/-0.000 χ^2/NDF : 2599192.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 2797252.3/33

All: 0.000+/-0.000 χ^2/NDF : 8431985.5/69

- sign 0.000+/-0.000 χ^2/NDF : 5439419.7/35

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF: 27.0/17

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

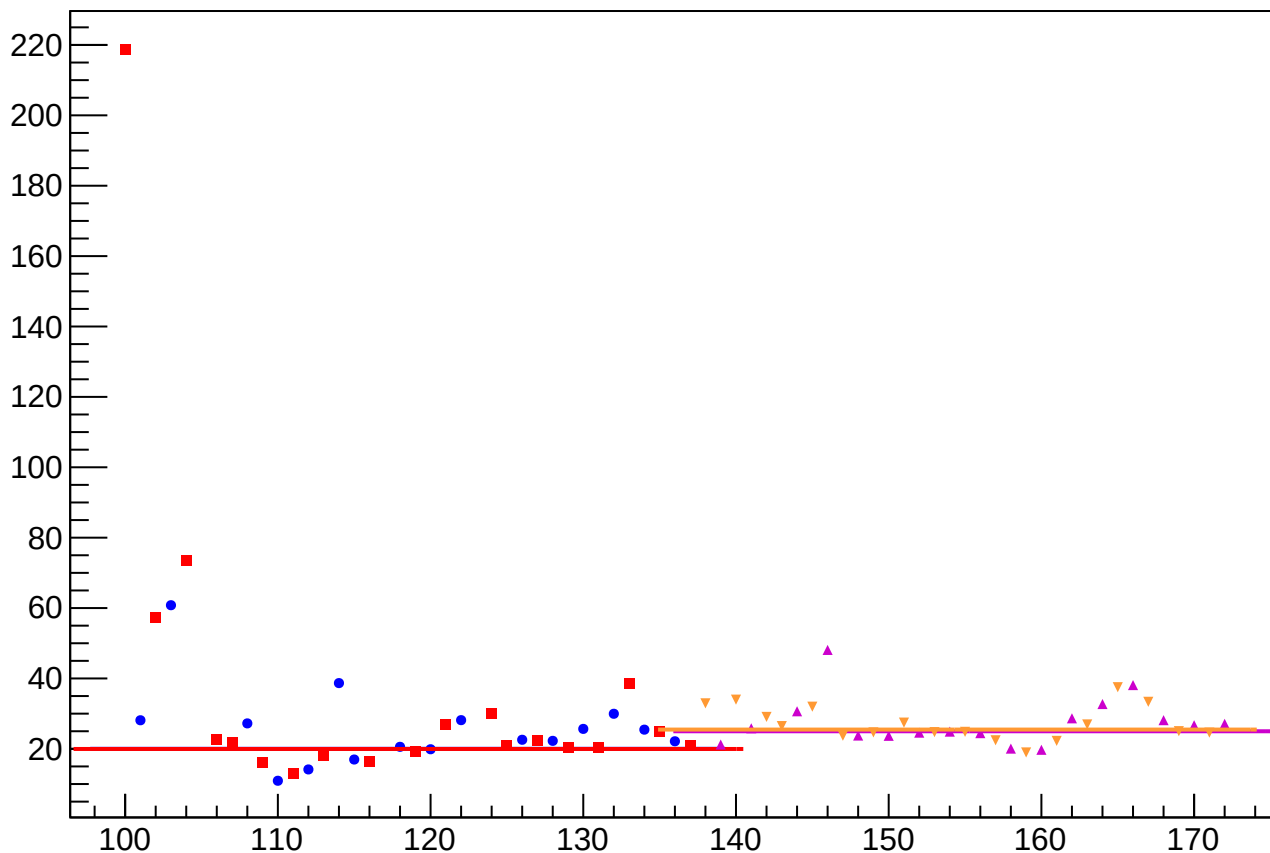
Left In: -0.003 $\pm$ 0.007 χ^2 /NDF: 23.6/16

+ sign 0.003 $\pm$ 0.005 χ^2 /NDF: 35.0/33

All: 0.002 $\pm$ 0.004 χ^2 /NDF: 89.5/69

- sign 0.001 $\pm$ 0.005 χ^2 /NDF: 54.4/35

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641371.9/15

Left Out: 25.474 $\pm$ 0.005 χ^2 /NDF: 739893.3/17

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716895.2/18

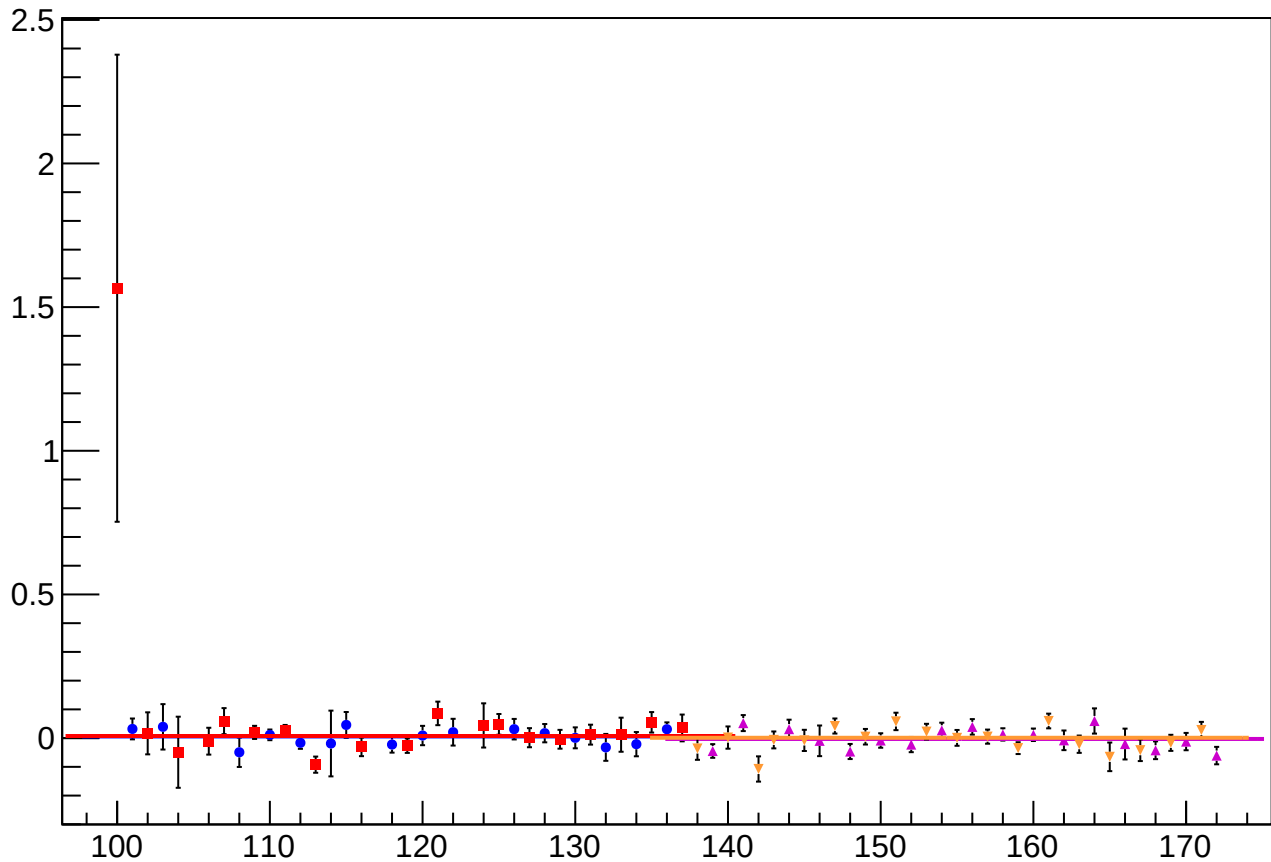
Left In: 24.992 $\pm$ 0.005 χ^2 /NDF: 963709.3/16

+ sign 23.166 $\pm$ 0.004 χ^2 /NDF: 2900739.7/33

All: 23.014 $\pm$ 0.003 χ^2 /NDF: 6029937.6/69

- sign 22.864 $\pm$ 0.004 χ^2 /NDF: 3125937.3/35

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF: 27.0/17

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

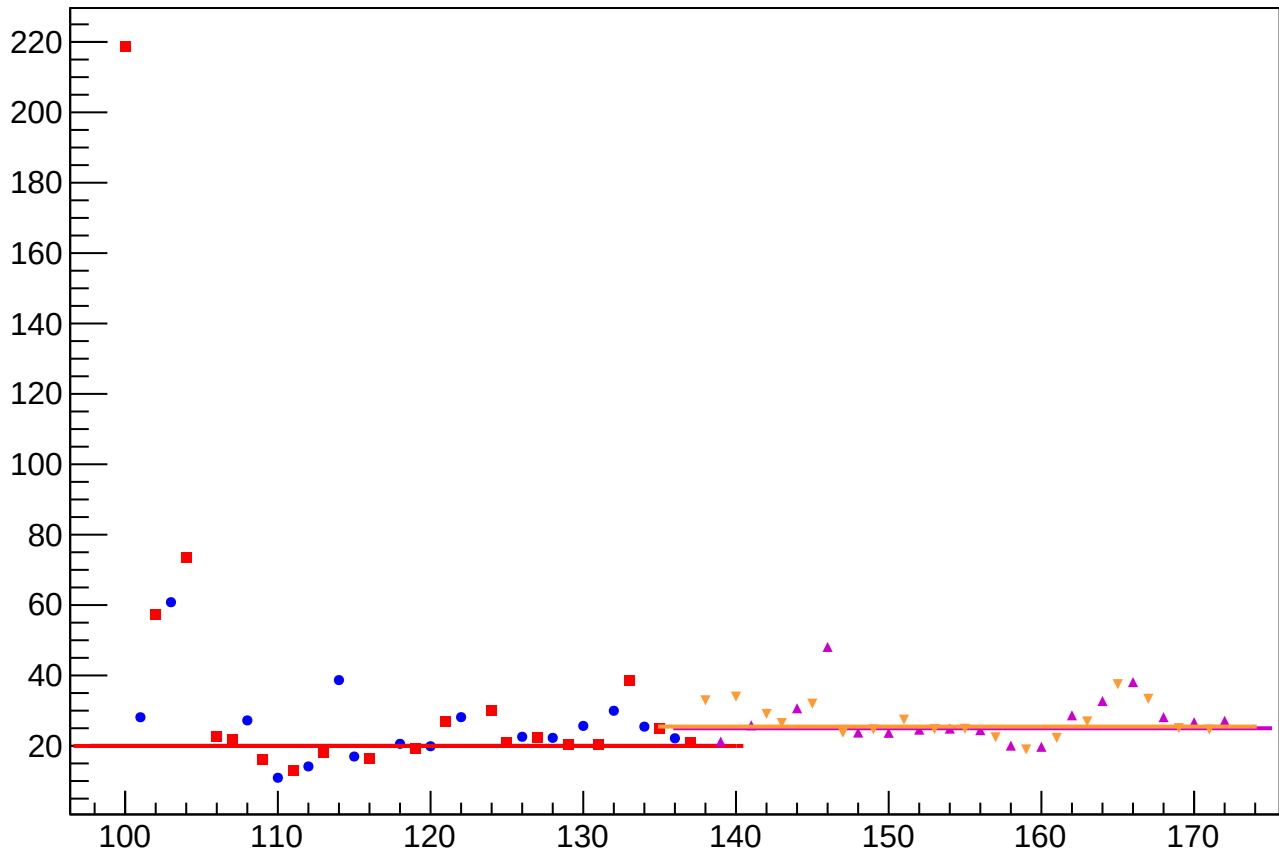
Left In: -0.003 $\pm$ 0.007 χ^2 /NDF: 23.6/16

+ sign 0.003 $\pm$ 0.005 χ^2 /NDF: 35.0/33

All: 0.002 $\pm$ 0.004 χ^2 /NDF: 89.5/69

- sign 0.001 $\pm$ 0.005 χ^2 /NDF: 54.4/35

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641371.9/15

Left Out: 25.474 $\pm$ 0.005 χ^2 /NDF: 739893.3/17

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716895.2/18

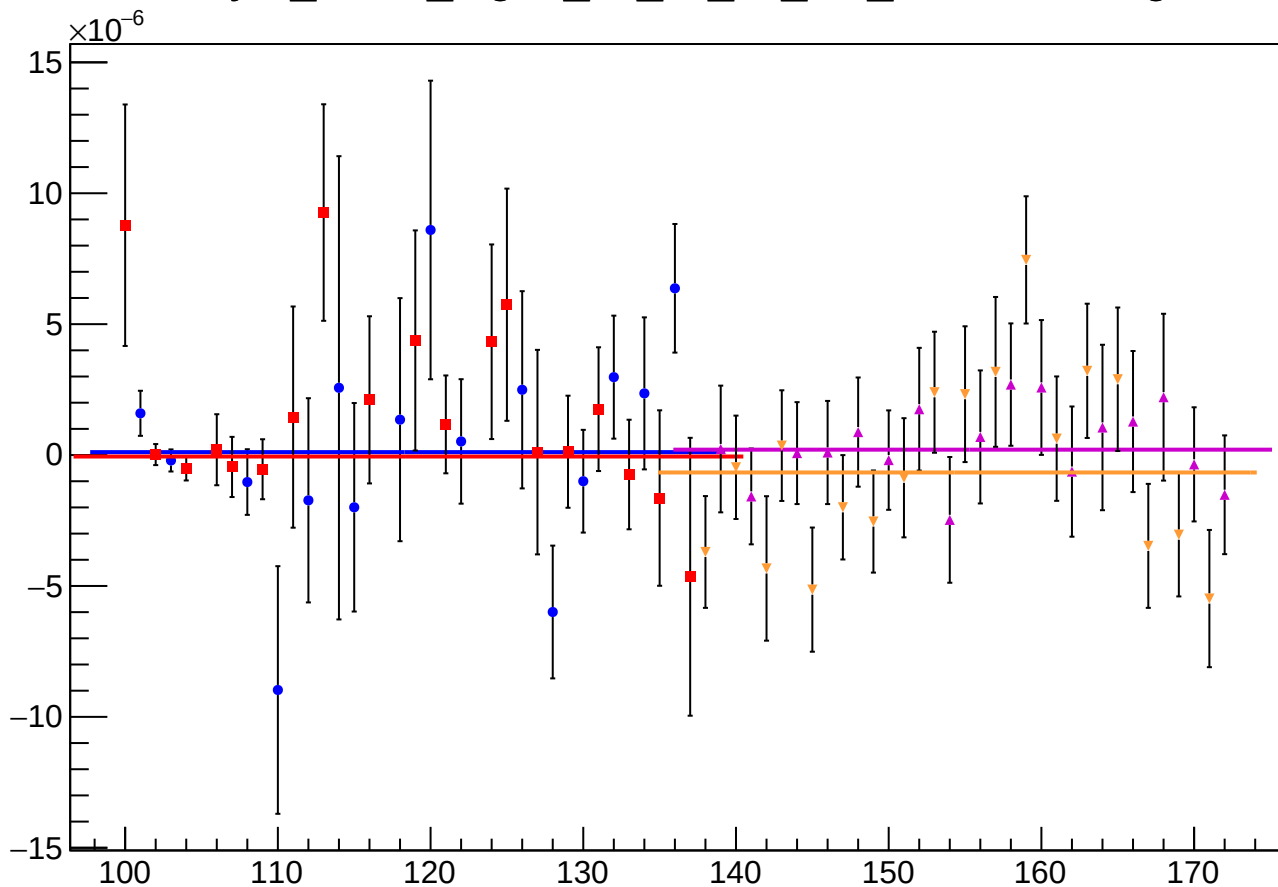
Left In: 24.992 $\pm$ 0.005 χ^2 /NDF: 963709.3/16

+ sign 23.166 $\pm$ 0.004 χ^2 /NDF: 2900739.7/33

All: 23.014 $\pm$ 0.003 χ^2 /NDF: 6029937.6/69

- sign 22.864 $\pm$ 0.004 χ^2 /NDF: 3125937.3/35

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:35.1/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/18

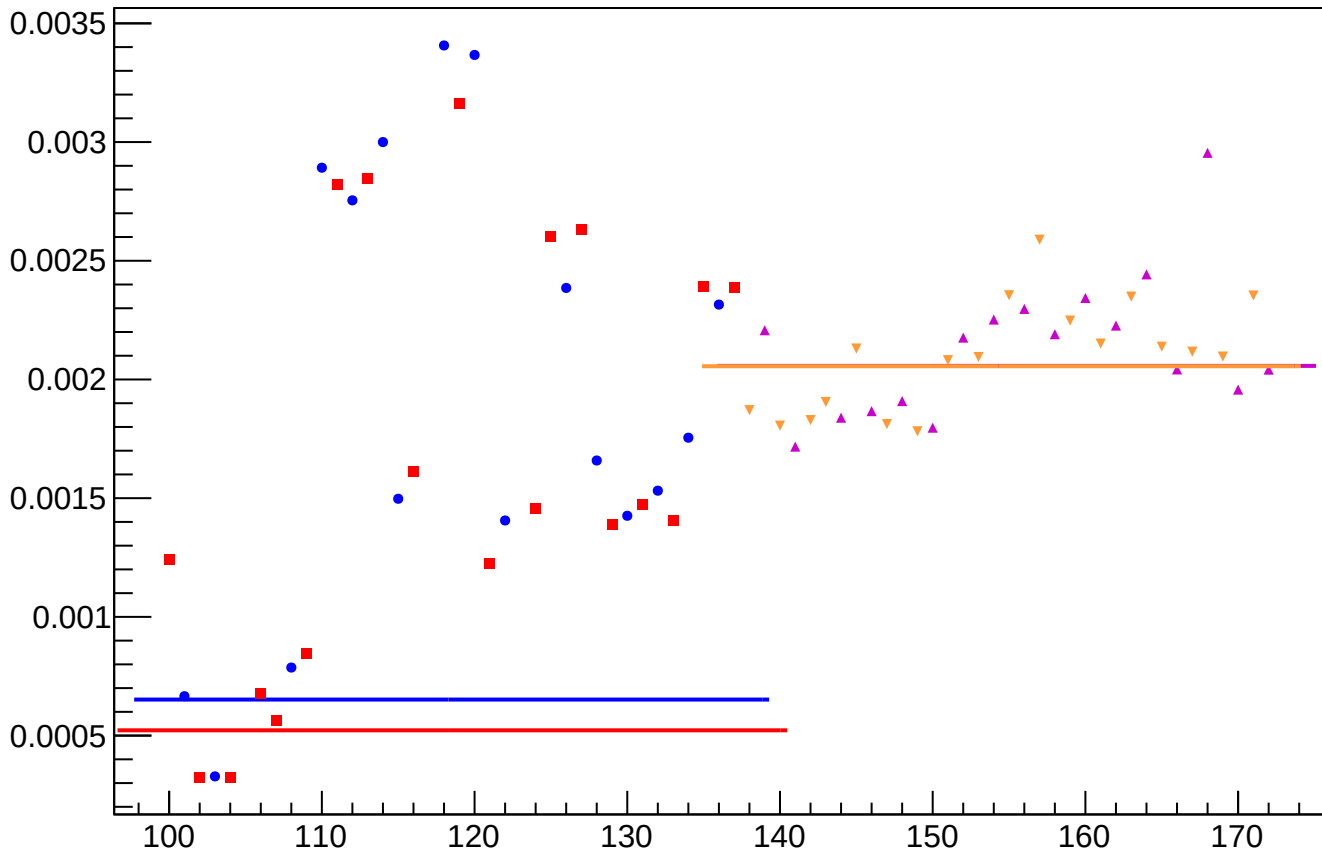
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:6.2/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 62.6/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 86.1/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.5/35

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

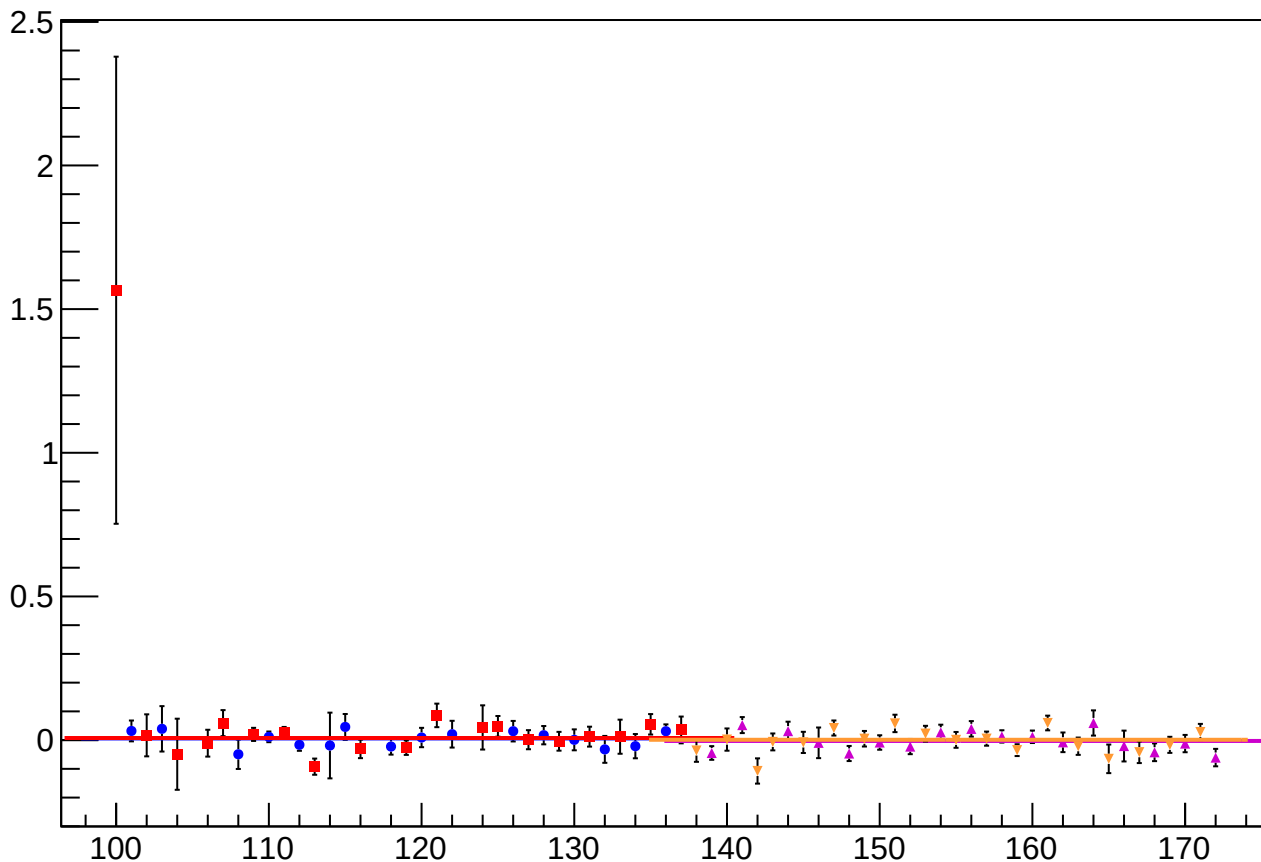
Left In: 0.002+/-0.000 χ^2/NDF :437834.9/16

+ sign 0.001+/-0.000 χ^2/NDF : 16207079.3/33

All: 0.001+/-0.000 χ^2/NDF : 36635158.5/69

- sign 0.001+/-0.000 χ^2/NDF : 19650987.2/35

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2 /NDF: 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2 /NDF: 27.0/17

Right Out: 0.007 $\pm$ 0.008 χ^2 /NDF: 29.8/18

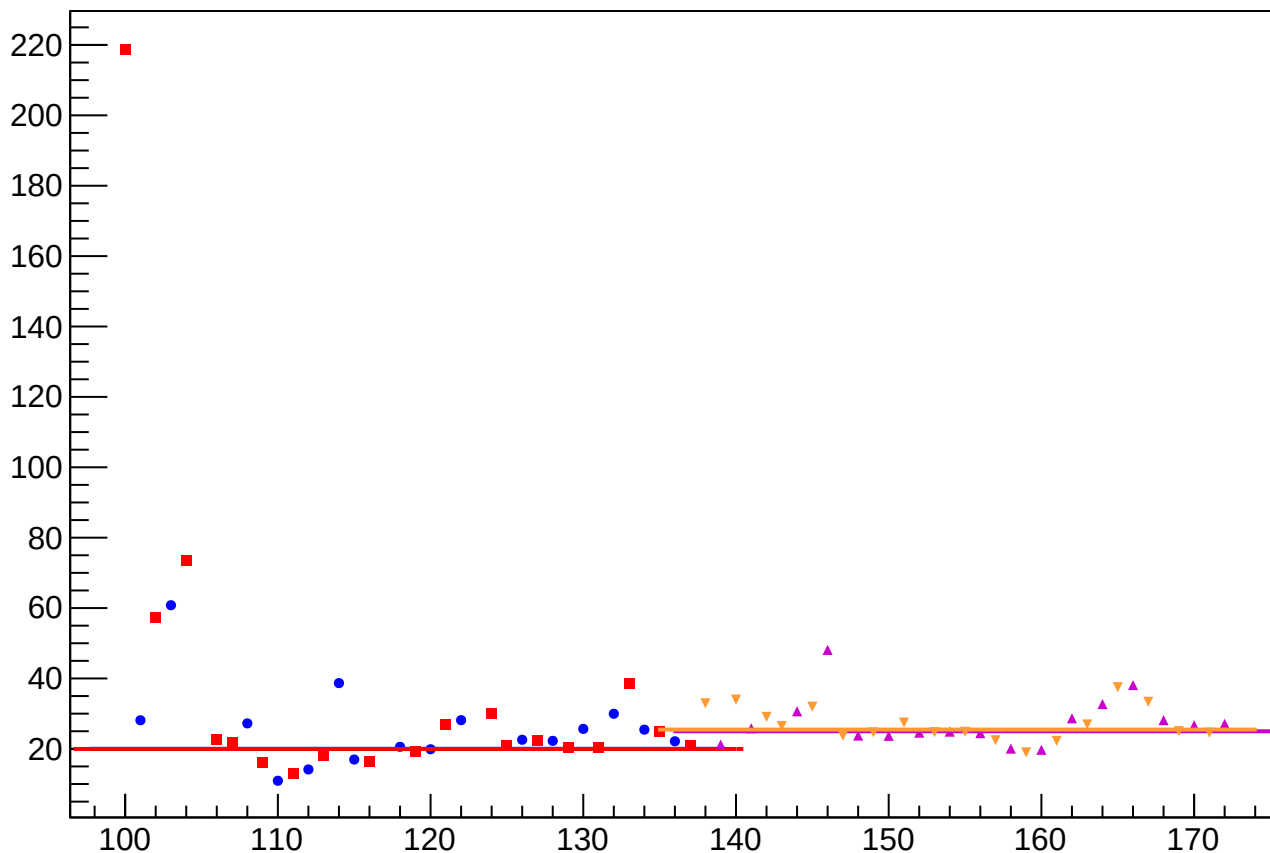
Left In: -0.003 $\pm$ 0.007 χ^2 /NDF: 23.6/16

+ sign 0.003 $\pm$ 0.005 χ^2 /NDF: 35.0/33

All: 0.002 $\pm$ 0.004 χ^2 /NDF: 89.4/69

- sign 0.001 $\pm$ 0.005 χ^2 /NDF: 54.4/35

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641197.3/15

Left Out: 25.474 $\pm$ 0.005 χ^2 /NDF: 739935.8/17

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716830.0/18

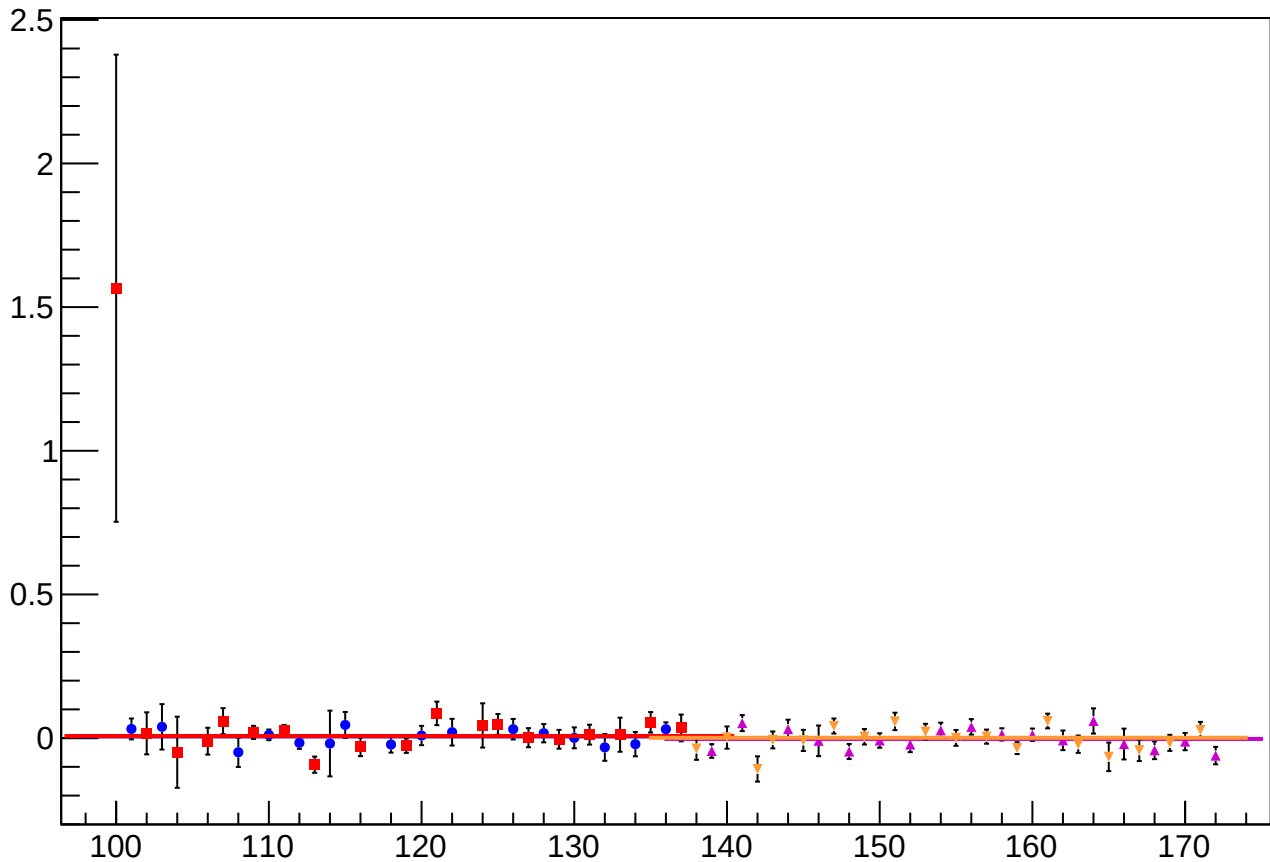
Left In: 24.992 $\pm$ 0.005 χ^2 /NDF: 963764.6/16

+ sign 23.166 $\pm$ 0.004 χ^2 /NDF: 2900507.1/33

All: 23.014 $\pm$ 0.003 χ^2 /NDF: 6029668.8/69

- sign 22.864 $\pm$ 0.004 χ^2 /NDF: 3125897.1/35

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.008 χ^2/NDF : 7.9/15

Left Out: 0.001 $\pm$ 0.007 χ^2/NDF : 27.0/17

Right Out: 0.007 $\pm$ 0.008 χ^2/NDF : 29.8/18

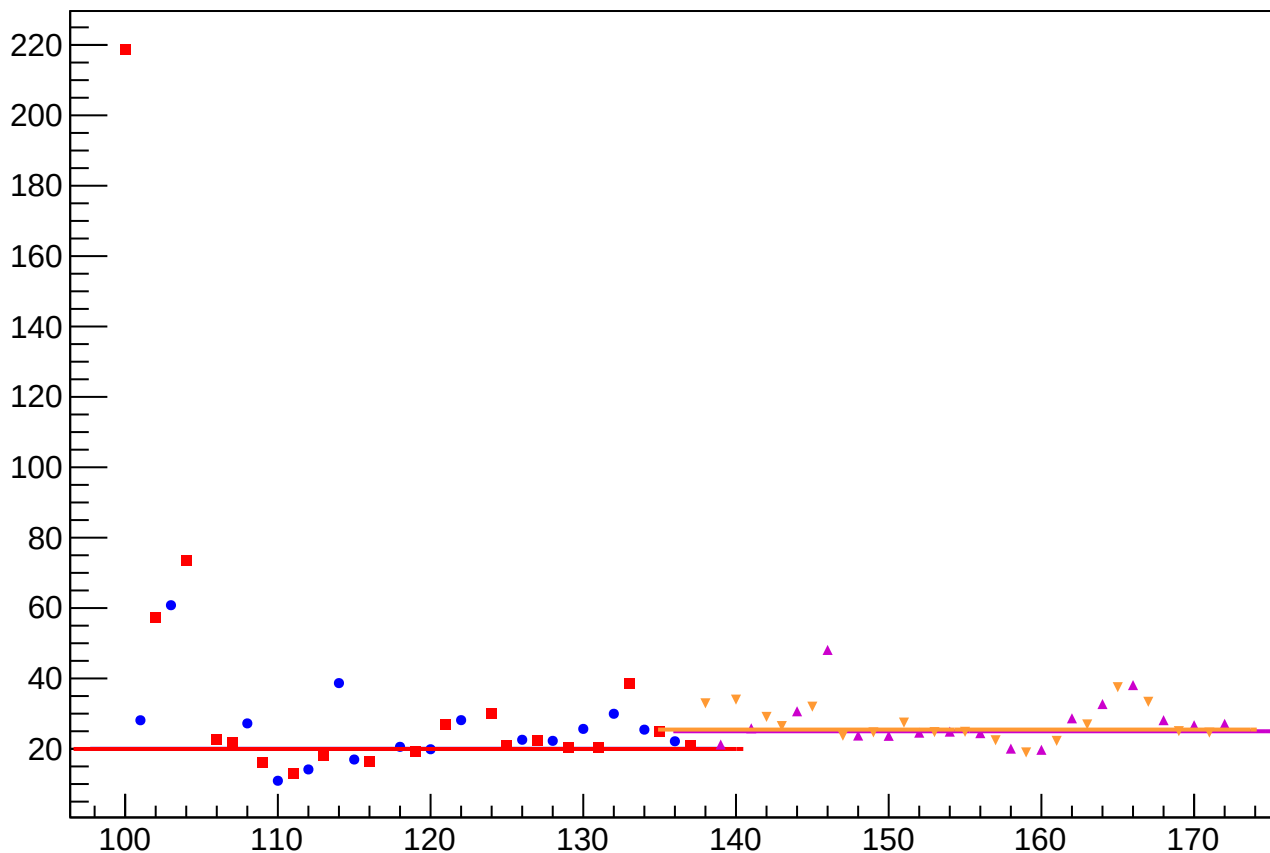
Left In: -0.003 $\pm$ 0.007 χ^2/NDF : 23.6/16

+ sign 0.003 $\pm$ 0.005 χ^2/NDF : 35.0/33

All: 0.002 $\pm$ 0.004 χ^2/NDF : 89.4/69

- sign 0.001 $\pm$ 0.005 χ^2/NDF : 54.4/35

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.000 $\pm$ 0.006 χ^2 /NDF: 1641197.3/15

Left Out: 25.474 $\pm$ 0.005 χ^2 /NDF: 739935.8/17

Right Out: 19.963 $\pm$ 0.006 χ^2 /NDF: 1716830.0/18

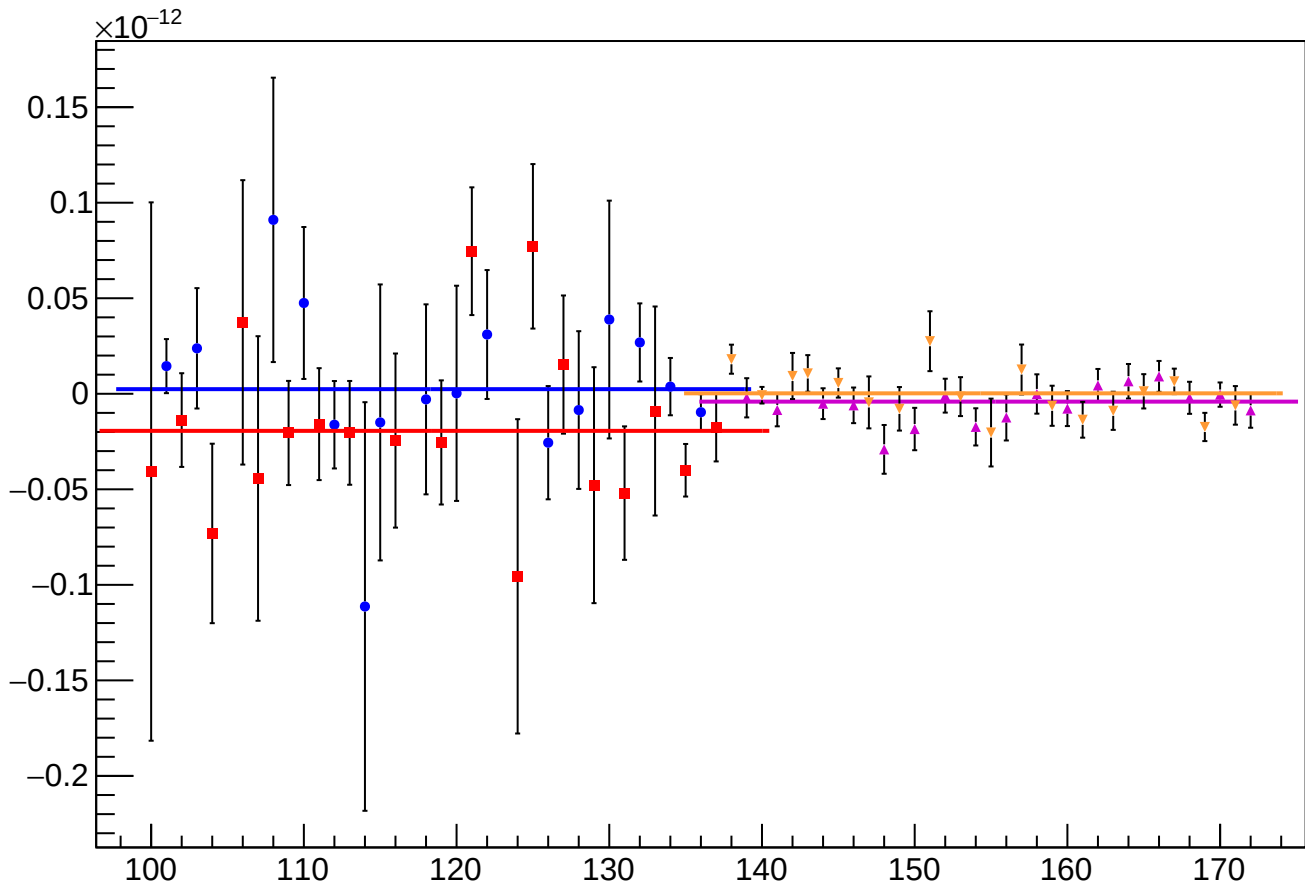
Left In: 24.992 $\pm$ 0.005 χ^2 /NDF: 963764.6/16

+ sign 23.166 $\pm$ 0.004 χ^2 /NDF: 2900507.1/33

All: 23.014 $\pm$ 0.003 χ^2 /NDF: 6029668.8/69

- sign 22.864 $\pm$ 0.004 χ^2 /NDF: 3125897.1/35

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/18

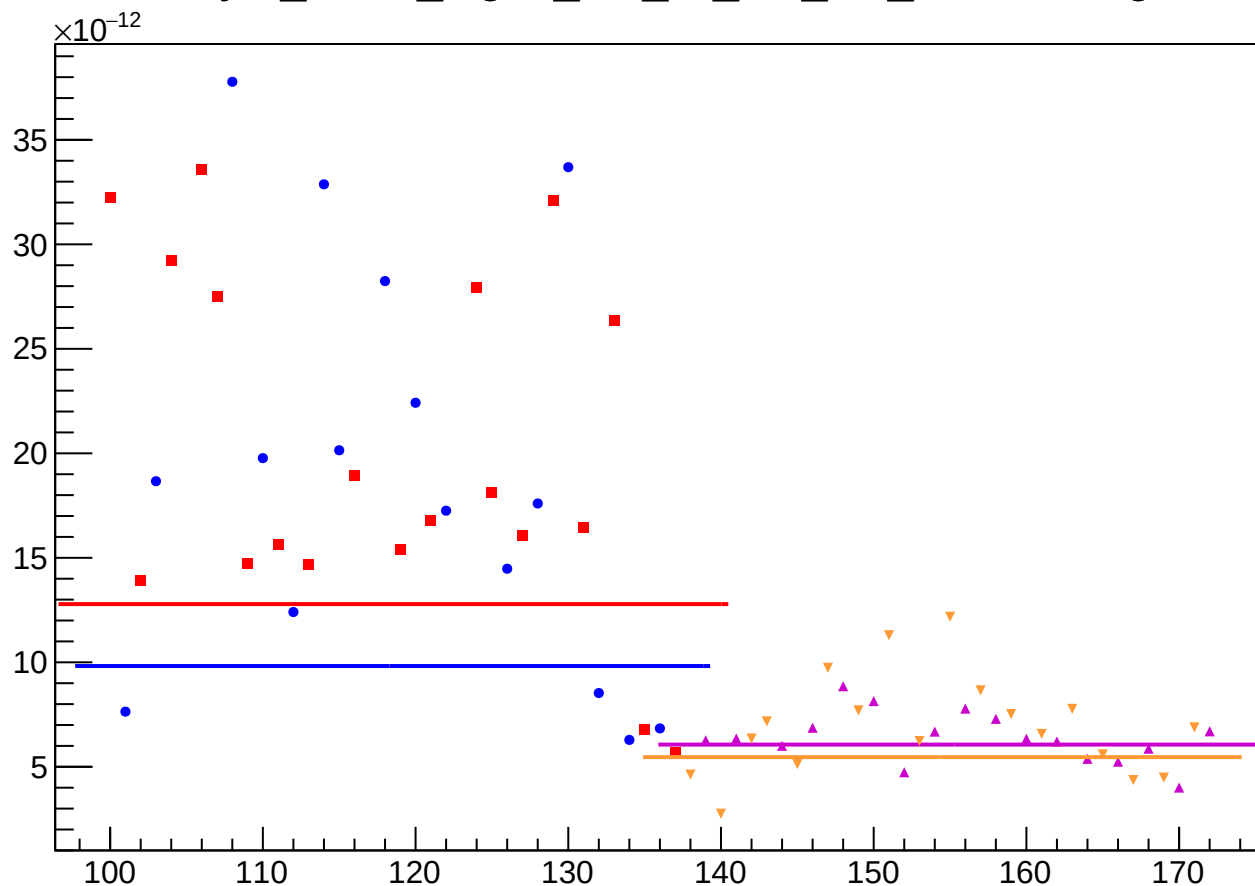
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 78.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.8/35

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2191269.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1798852.4/18

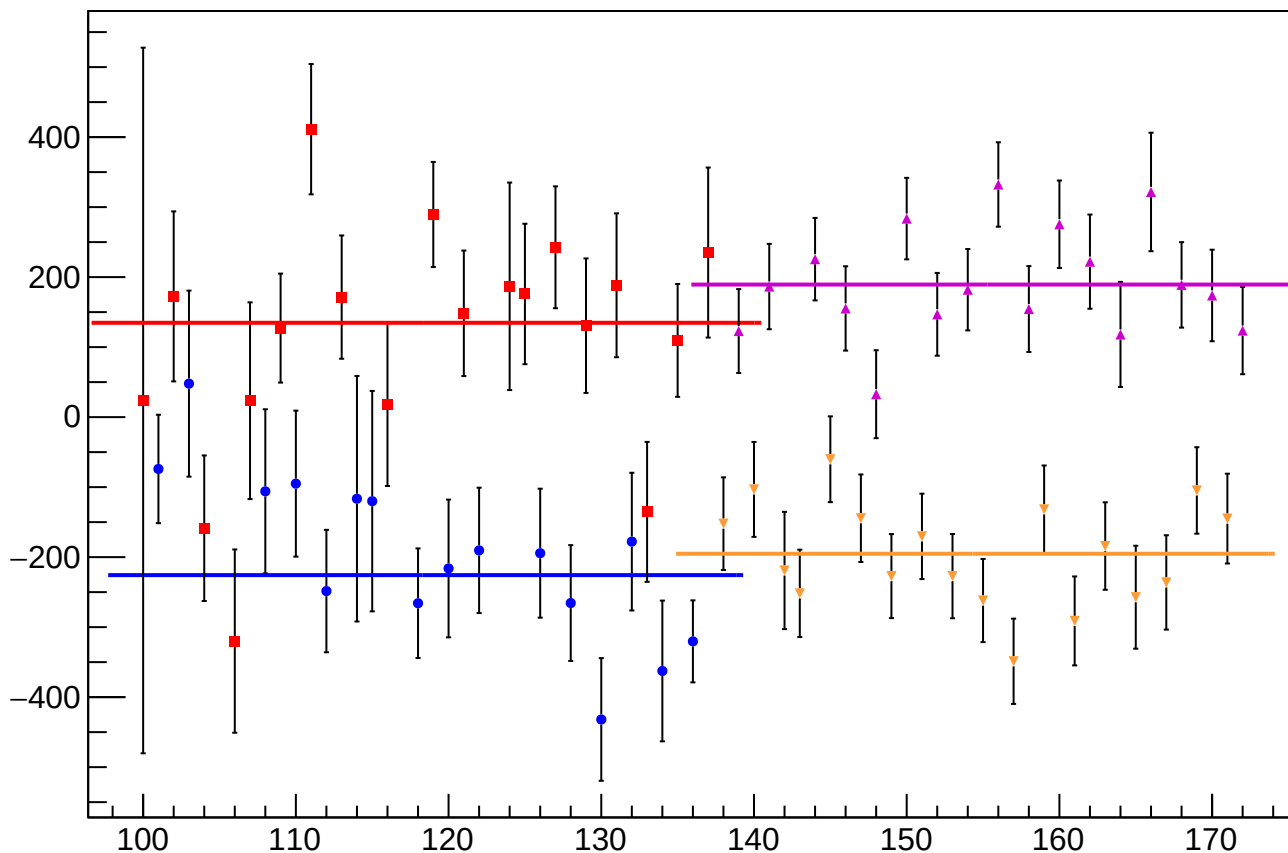
Left In: 0.000+/-0.000 χ^2/NDF : 561017.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 5198114.7/33

All: 0.000+/-0.000 χ^2/NDF : 9328618.4/69

- sign 0.000+/-0.000 χ^2/NDF : 4014306.7/35

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

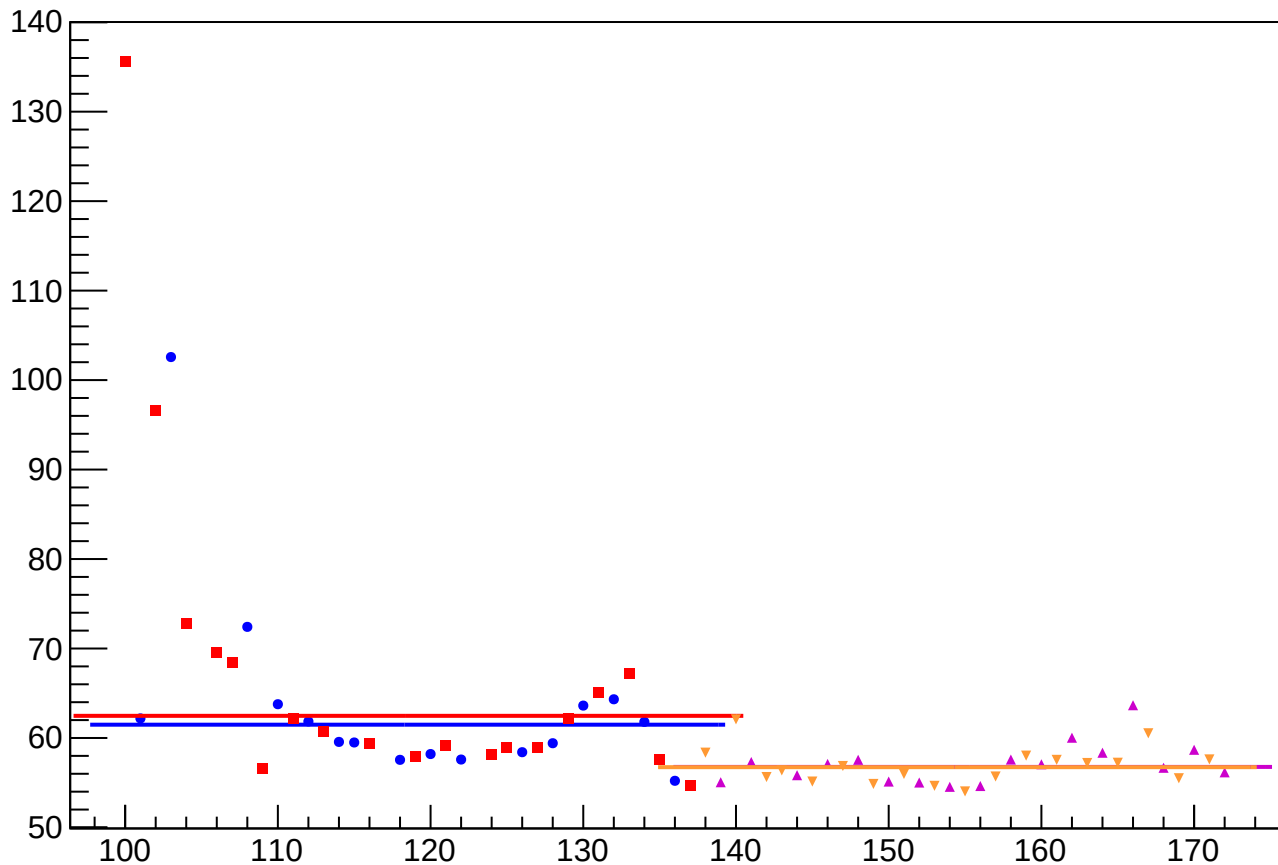
Left In: 189.371 ± 15.184 χ^2/NDF : 23.9/16

+ sign -204.254 ± 12.616 χ^2/NDF : 48.0/33

All: -16.935 ± 8.952 χ^2/NDF : 565.0/69

- sign 172.986 ± 12.703 χ^2/NDF : 73.0/35

reg_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250669.2/15

Left Out: 56.738 $\pm$ 0.011 χ^2 /NDF: 33705.5/17

Right Out: 62.476 $\pm$ 0.016 χ^2 /NDF: 281148.3/18

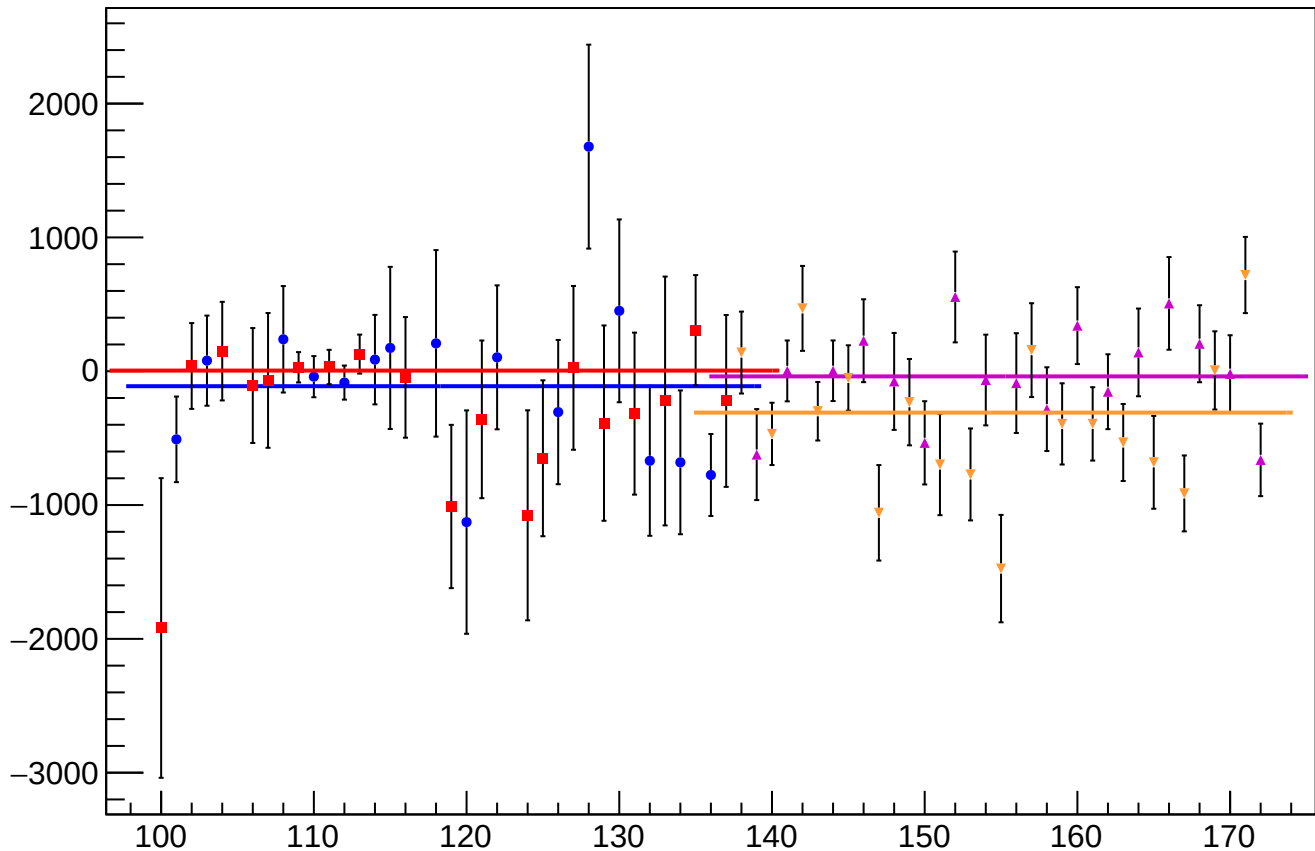
Left In: 56.767 $\pm$ 0.011 χ^2 /NDF: 32618.8/16

+ sign 58.152 $\pm$ 0.009 χ^2 /NDF: 343604.5/33

All: 58.315 $\pm$ 0.006 χ^2 /NDF: 742871.4/69

- sign 58.480 $\pm$ 0.009 χ^2 /NDF: 398597.1/35

asym_sam8_reg_correction_mean vs Slug



Right In: -111.885 ± 76.212 χ^2/NDF : 18.5/15

Left Out: -309.273 ± 69.856 χ^2/NDF : 47.9/17

Right Out: 4.893 ± 63.933 χ^2/NDF : 11.6/18

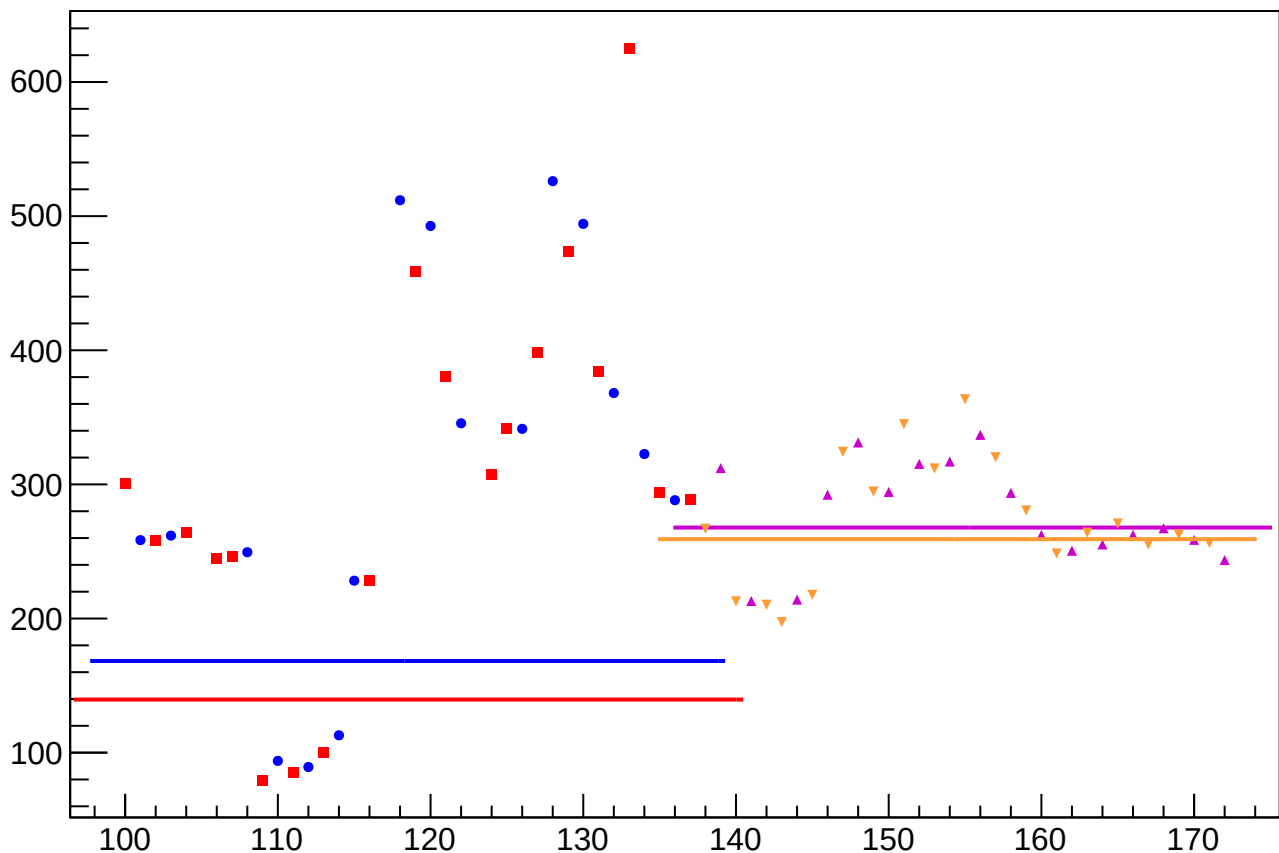
Left In: -38.515 ± 72.361 χ^2/NDF : 20.7/16

+ sign -219.153 ± 51.496 χ^2/NDF : 70.0/33

All: -109.261 ± 35.077 χ^2/NDF : 111.1/69

- sign -14.137 ± 47.911 χ^2/NDF : 32.6/35

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

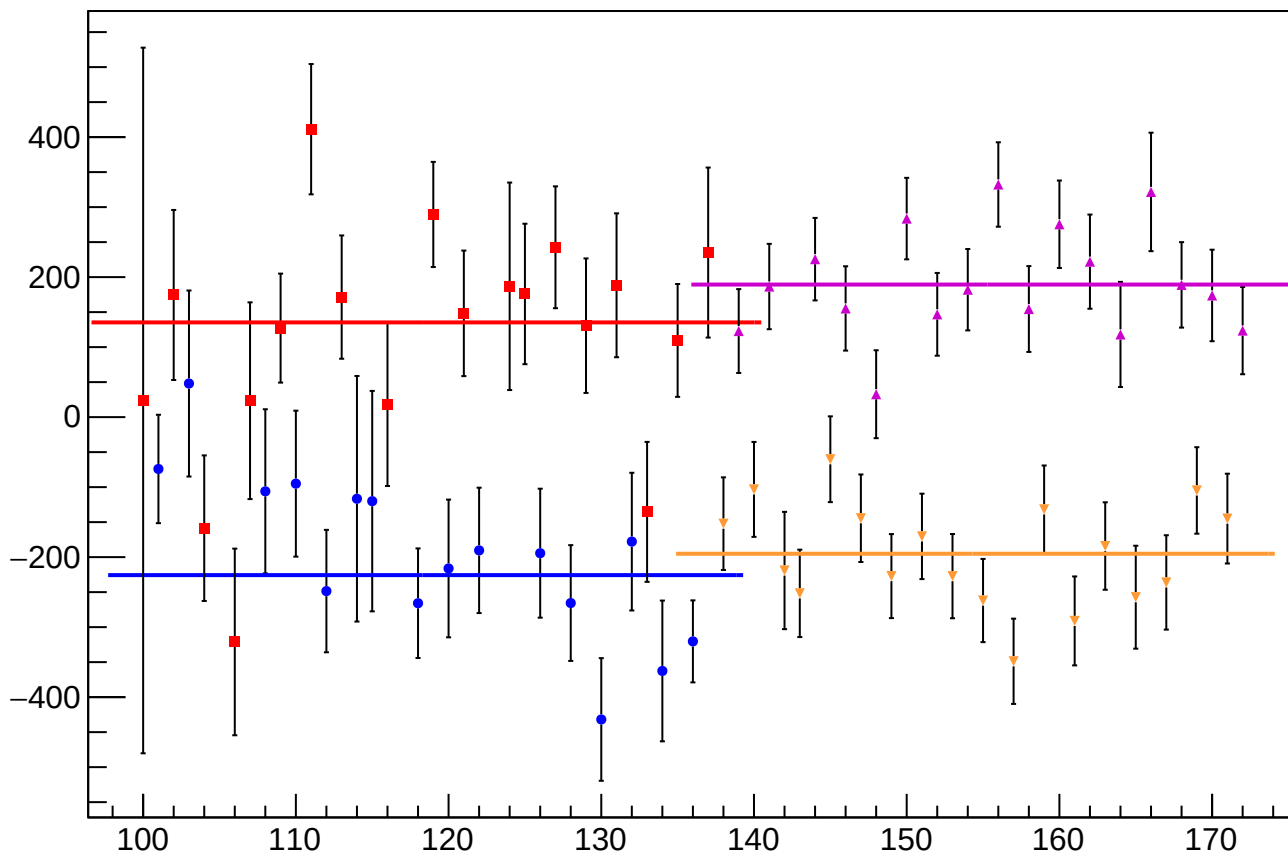
Left In: 267.819+/-0.051 χ^2/NDF : 544594.2/16

+ sign 217.697+/-0.036 χ^2/NDF : 6887097.6/33

All: 205.963+/-0.025 χ^2/NDF : 16306495.5/69

- sign 195.807+/-0.034 χ^2/NDF : 9225681.7/35

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

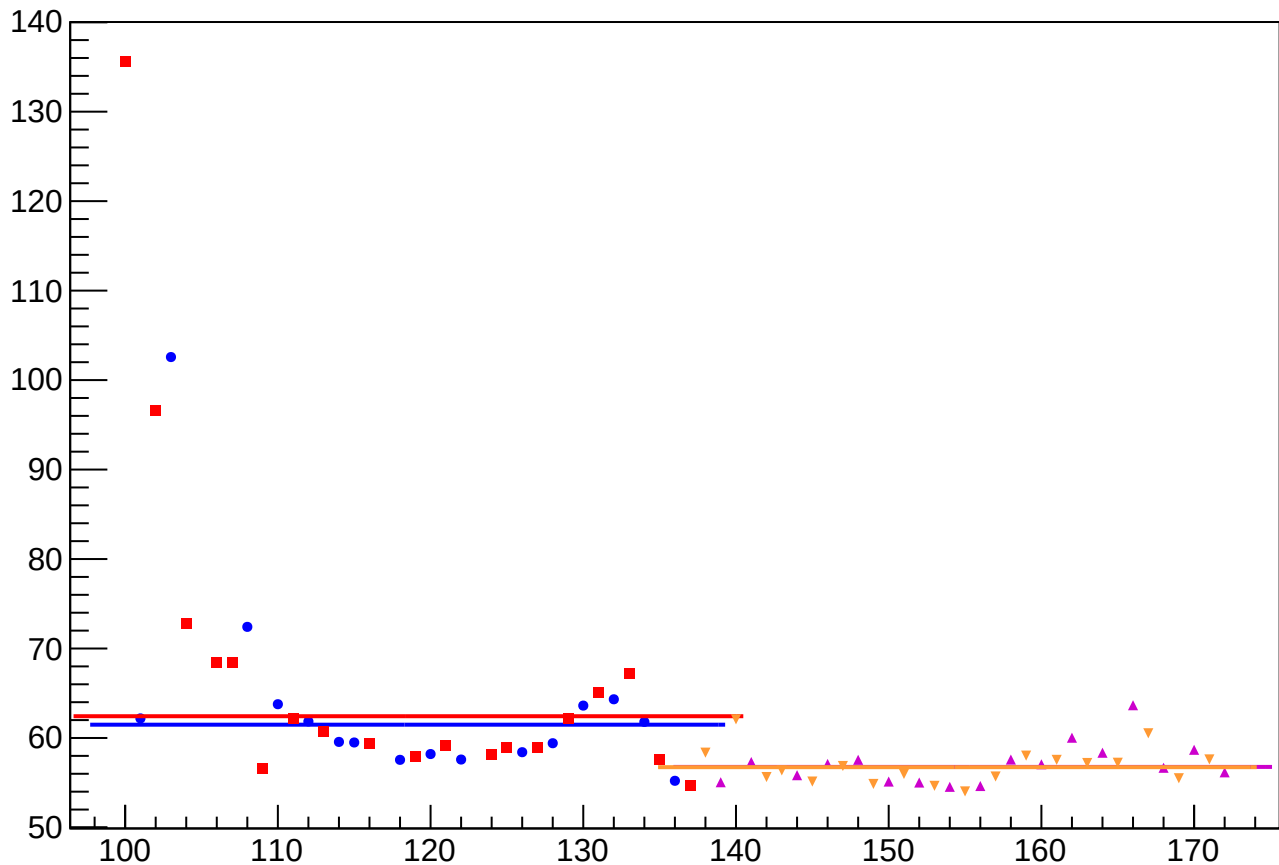
Left In: 189.373 ± 15.184 χ^2/NDF : 23.9/16

+ sign -204.253 ± 12.616 χ^2/NDF : 48.0/33

All: -16.878 ± 8.952 χ^2/NDF : 564.9/69

- sign 173.165 ± 12.706 χ^2/NDF : 72.6/35

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

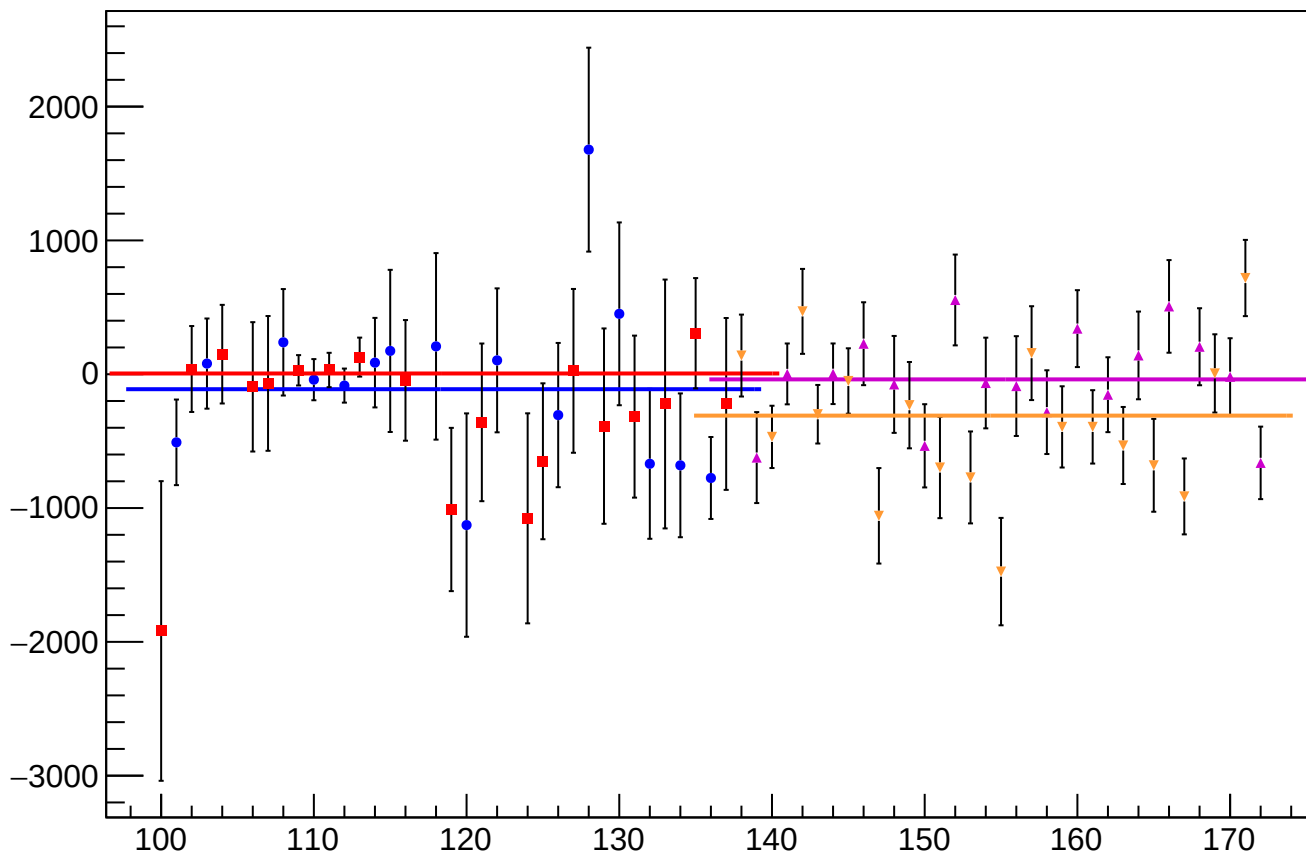
Left In: 56.767 ± 0.011 χ^2/NDF : 32618.8/16

+ sign 58.152 ± 0.009 χ^2/NDF : 343607.1/33

All: 58.308 ± 0.006 χ^2/NDF : 739734.2/69

- sign 58.465 ± 0.009 χ^2/NDF : 395514.6/35

asym_sam8_cor_correction_mean vs Slug



Right In: -111.866 ± 76.213 $\chi^2/\text{NDF}: 18.5/15$

Left Out: -309.270 ± 69.856 $\chi^2/\text{NDF}: 47.9/17$

Right Out: 5.616 ± 64.085 $\chi^2/\text{NDF}: 11.6/18$

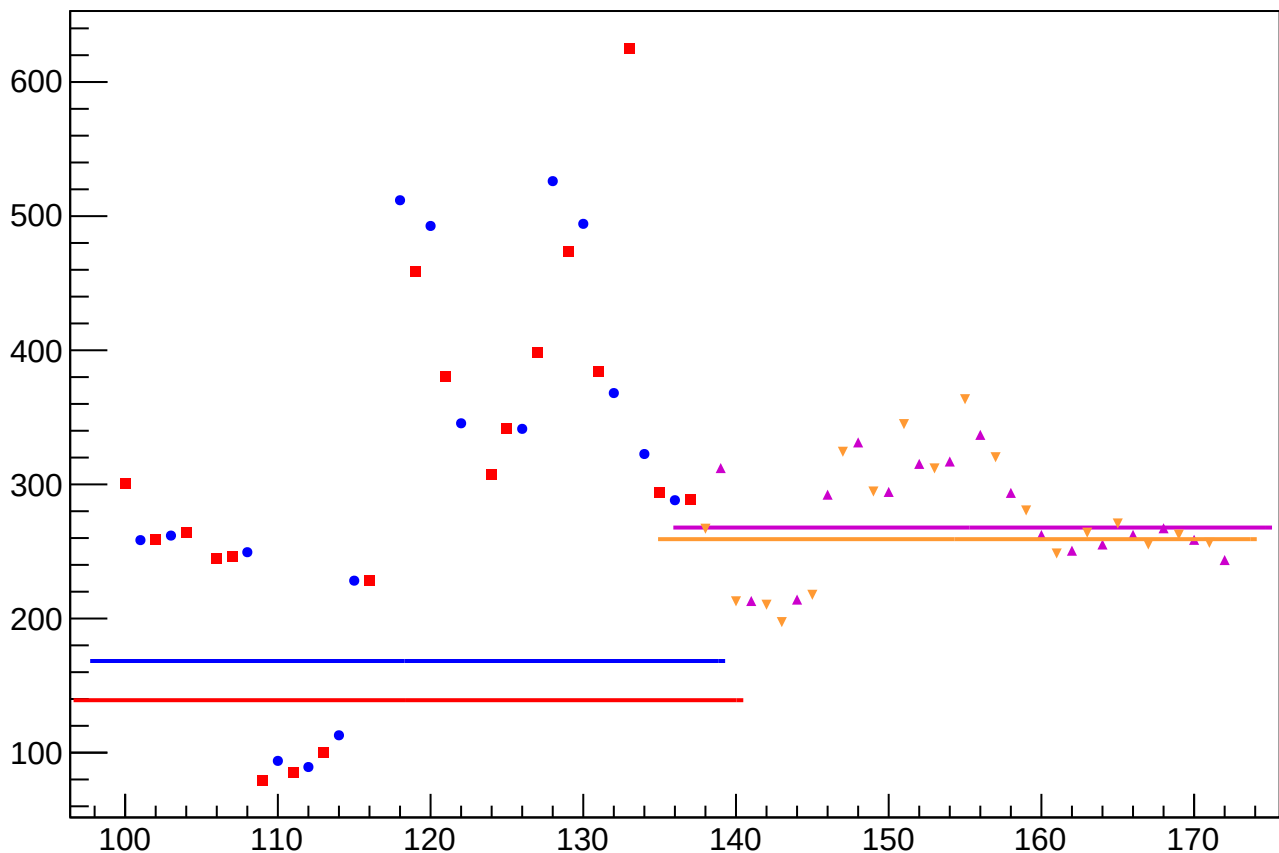
Left In: -38.511 ± 72.361 $\chi^2/\text{NDF}: 20.7/16$

+ sign -219.143 ± 51.496 $\chi^2/\text{NDF}: 70.0/33$

All: -109.202 ± 35.102 $\chi^2/\text{NDF}: 111.1/69$

- sign -13.781 ± 47.975 $\chi^2/\text{NDF}: 32.6/35$

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

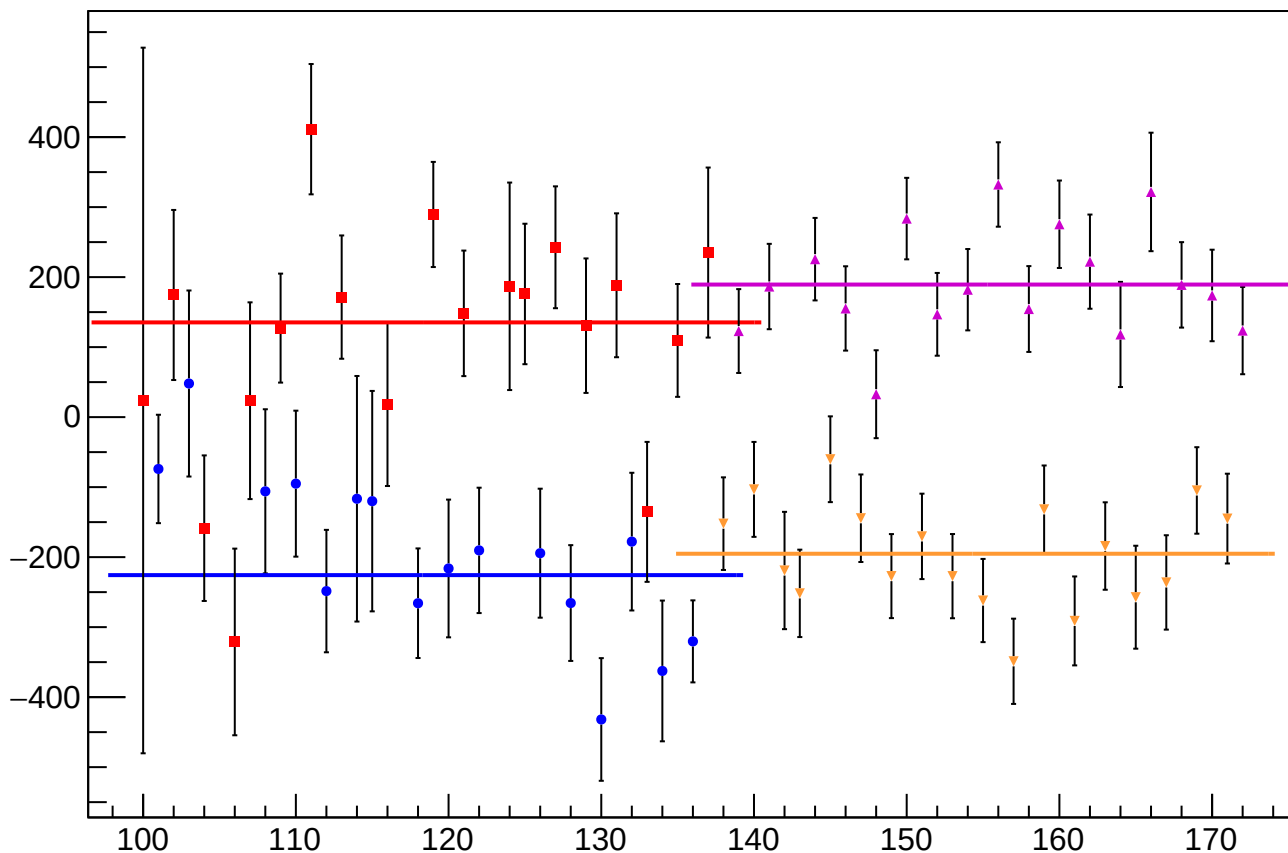
Left In: 267.819+/-0.051 χ^2/NDF : 544594.6/16

+ sign 217.697+/-0.036 χ^2/NDF : 6887132.6/33

All: 205.912+/-0.025 χ^2/NDF : 16303875.6/69

- sign 195.683+/-0.034 χ^2/NDF : 9221066.8/35

eigen_cor_asym_sam8_mean vs Slug



Right In: -225.692 $\pm$ 23.118 χ^2/NDF : 22.6/15

Left Out: -195.160 $\pm$ 15.056 χ^2/NDF : 24.2/17

Right Out: 135.311 $\pm$ 23.205 χ^2/NDF : 44.9/18

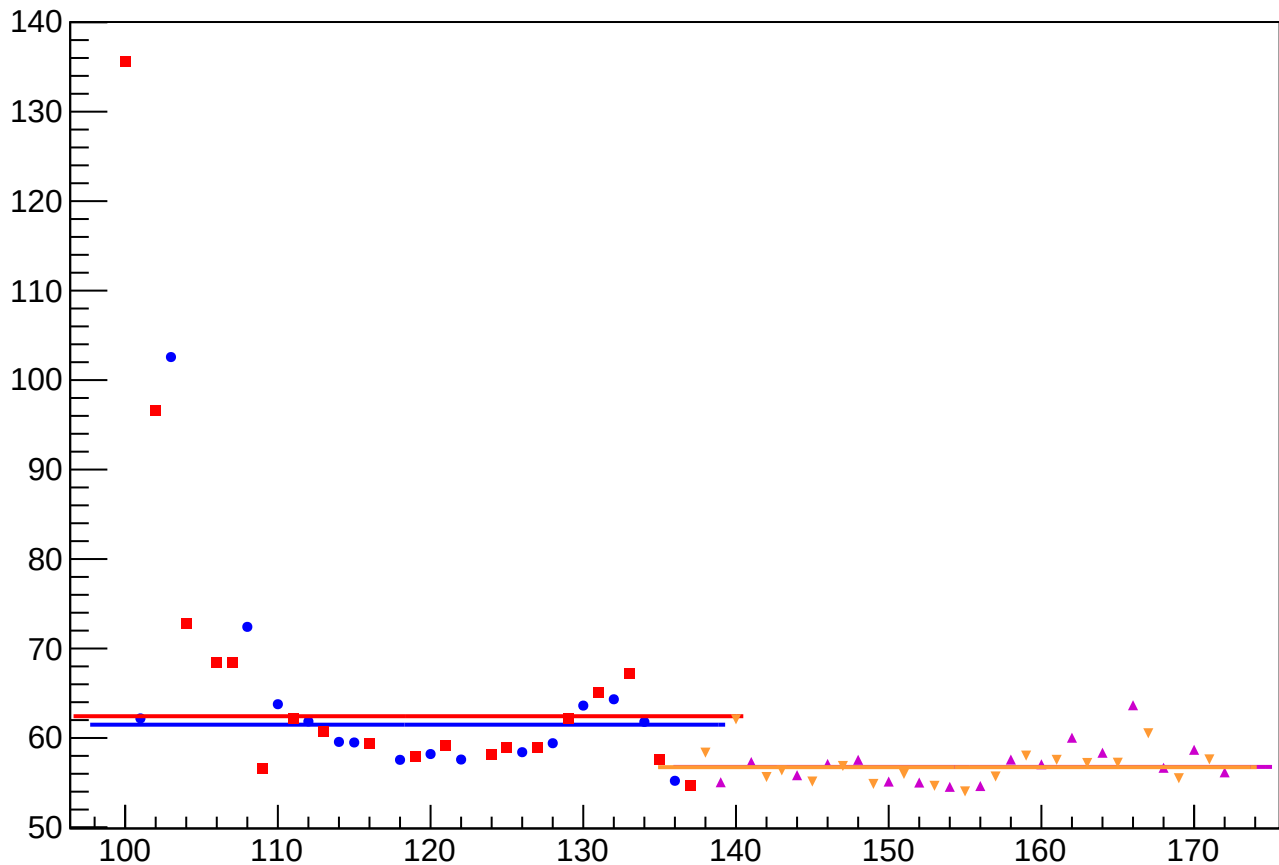
Left In: 189.373 $\pm$ 15.184 χ^2/NDF : 23.9/16

+ sign -204.253 $\pm$ 12.616 χ^2/NDF : 48.0/33

All: -16.878 $\pm$ 8.952 χ^2/NDF : 564.9/69

- sign 173.165 $\pm$ 12.706 χ^2/NDF : 72.6/35

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.486 $\pm$ 0.016 χ^2 /NDF: 250671.7/15

Left Out: 56.738 $\pm$ 0.011 χ^2 /NDF: 33705.5/17

Right Out: 62.433 $\pm$ 0.016 χ^2 /NDF: 279408.8/18

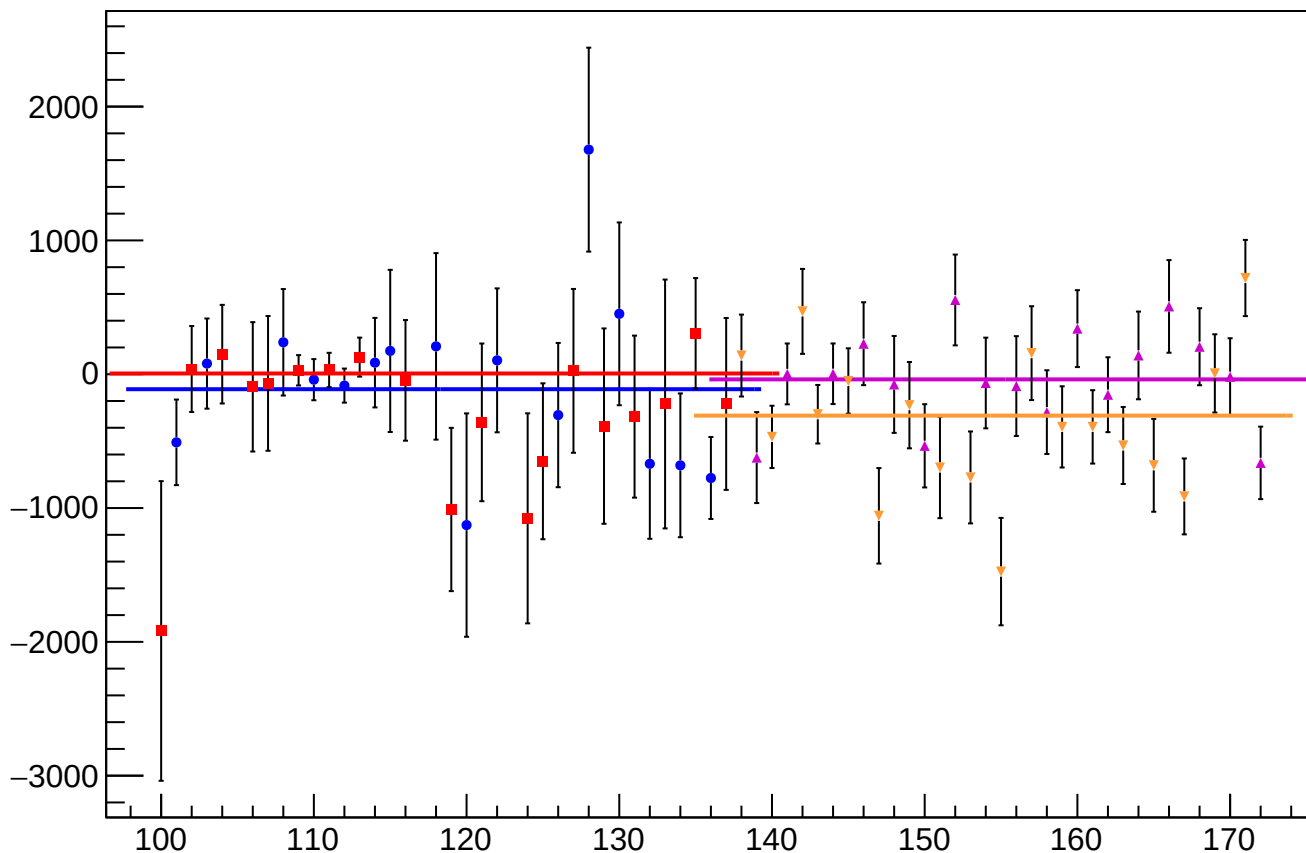
Left In: 56.767 $\pm$ 0.011 χ^2 /NDF: 32618.8/16

+ sign 58.152 $\pm$ 0.009 χ^2 /NDF: 343607.1/33

All: 58.308 $\pm$ 0.006 χ^2 /NDF: 739734.2/69

- sign 58.465 $\pm$ 0.009 χ^2 /NDF: 395514.6/35

asym_sam8_eigen_cor_correction_mean vs Slug



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

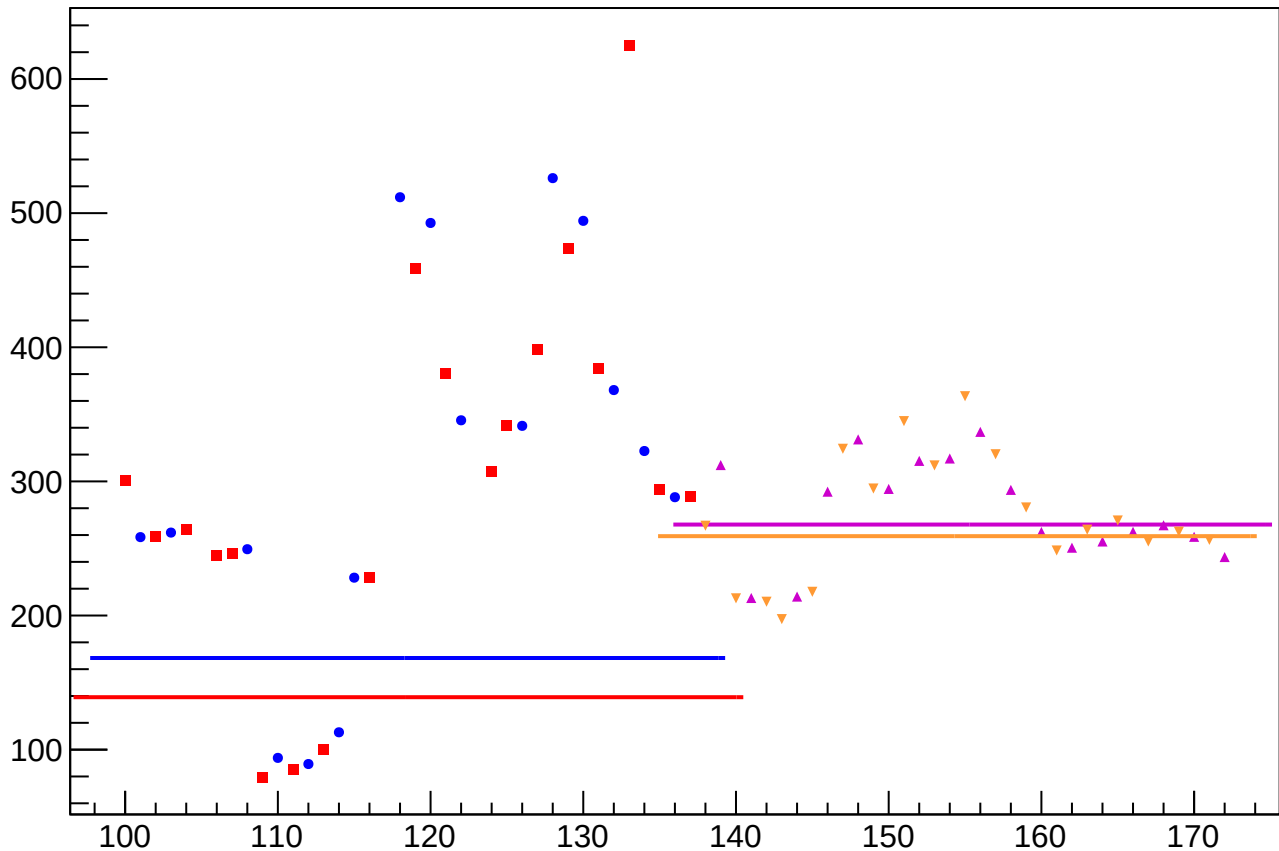
Left In: -38.511+/-72.361 χ^2/NDF : 20.7/16

+ sign -219.143+/-51.496 χ^2/NDF : 70.0/33

All: -109.202+/-35.102 χ^2/NDF : 111.1/69

- sign -13.781+/-47.975 χ^2/NDF : 32.6/35

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 168.330 $\pm$ 0.054 χ^2/NDF : 4544100.8/15

Left Out: 259.173 $\pm$ 0.049 χ^2/NDF : 798821.4/17

Right Out: 139.105 $\pm$ 0.045 χ^2/NDF : 5130011.5/18

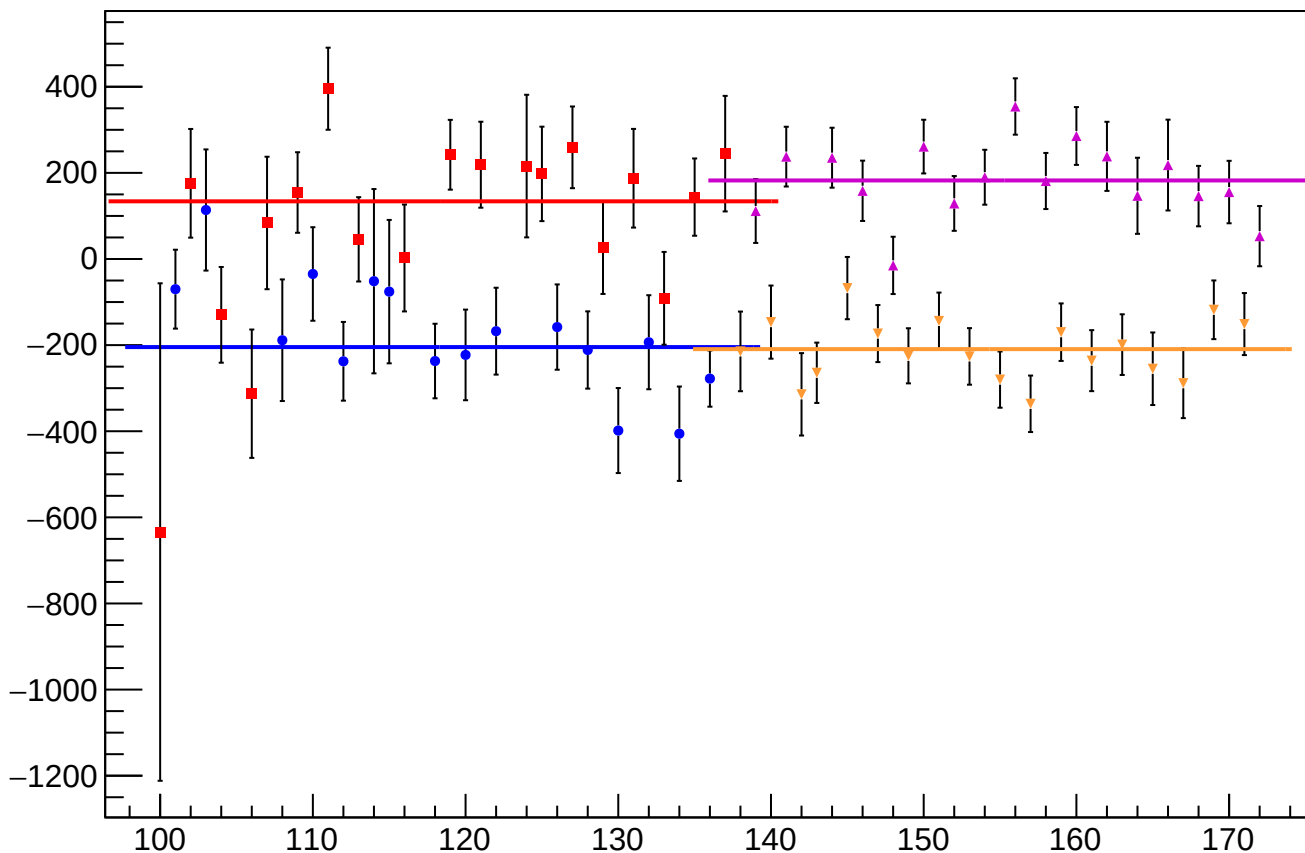
Left In: 267.819 $\pm$ 0.051 χ^2/NDF : 544594.6/16

+ sign 217.697 $\pm$ 0.036 χ^2/NDF : 6887132.6/33

All: 205.912 $\pm$ 0.025 χ^2/NDF : 16303875.6/69

- sign 195.683 $\pm$ 0.034 χ^2/NDF : 9221066.8/35

dit_asym_sam8_mean vs Slug



Right In: -204.577 $\pm$ 25.523 χ^2/NDF : 20.0/15

Left Out: -209.314 $\pm$ 16.934 χ^2/NDF : 16.8/17

Right Out: 133.924 $\pm$ 25.484 χ^2/NDF : 37.2/18

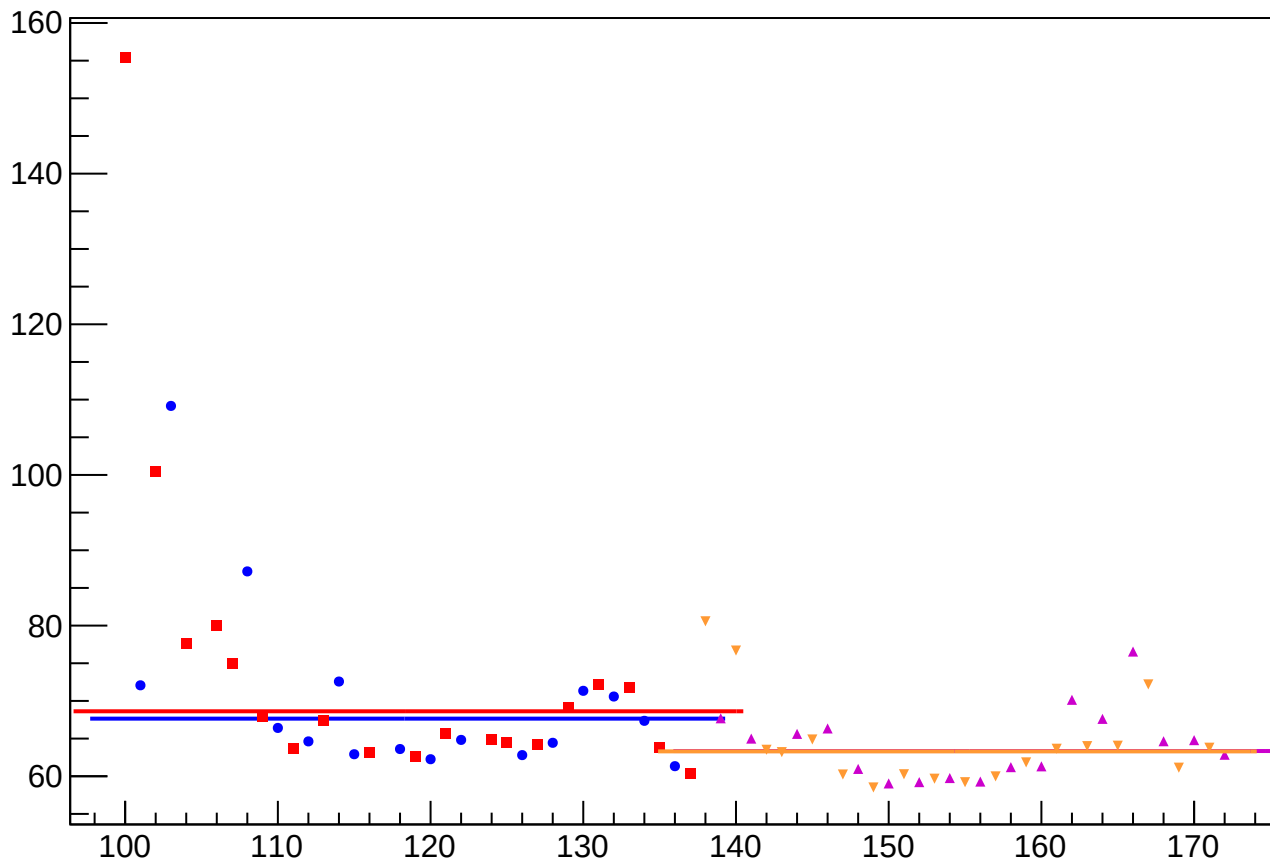
Left In: 182.408 $\pm$ 17.055 χ^2/NDF : 27.2/16

+ sign -207.866 $\pm$ 14.111 χ^2/NDF : 36.8/33

All: -21.059 $\pm$ 10.000 χ^2/NDF : 455.8/69

- sign 167.410 $\pm$ 14.173 χ^2/NDF : 66.9/35

dit_asym_sam8_rms vs Slug



Right In: 67.647 $\pm$ 0.018 χ^2 /NDF: 263669.9/15

Left Out: 63.303 $\pm$ 0.012 χ^2 /NDF: 186675.3/17

Right Out: 68.624 $\pm$ 0.018 χ^2 /NDF: 248164.6/18

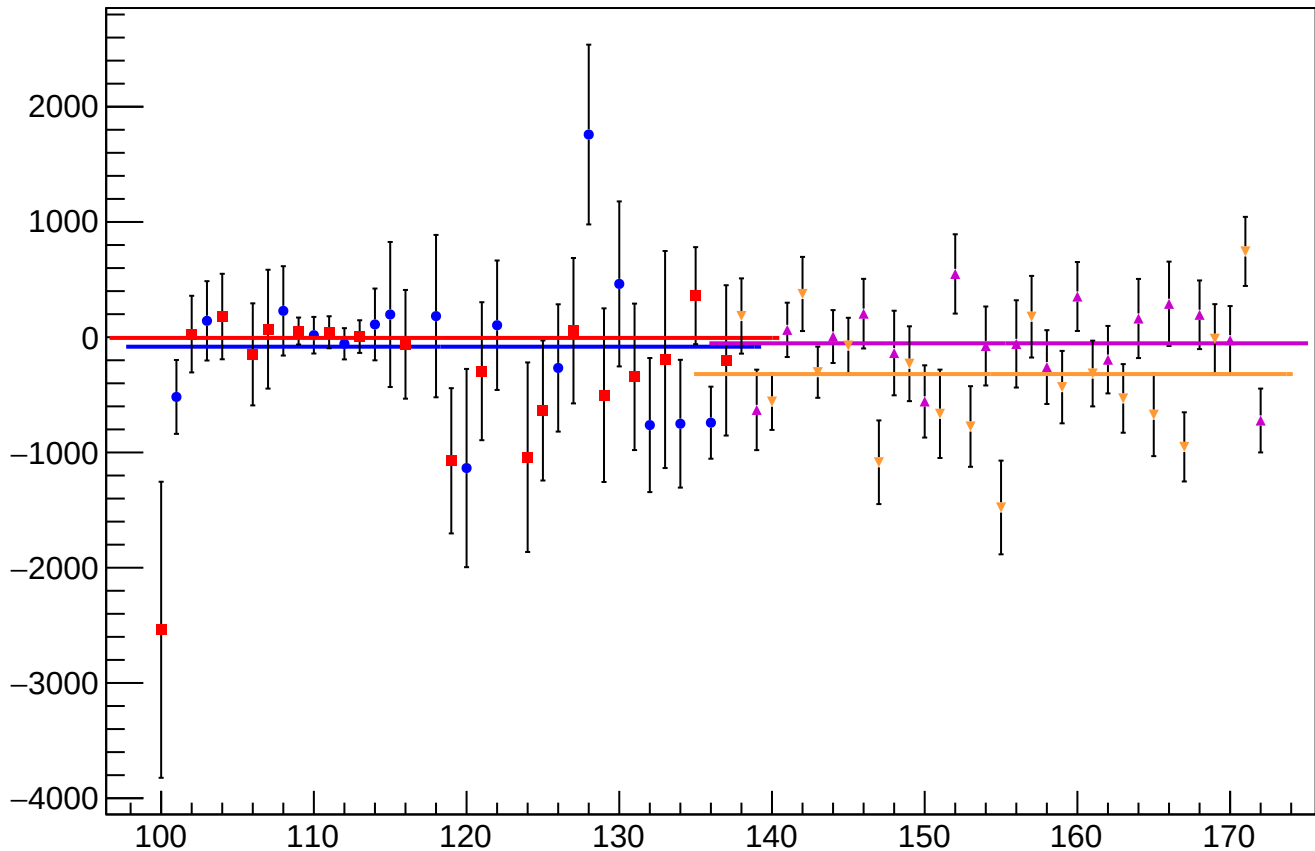
Left In: 63.348 $\pm$ 0.012 χ^2 /NDF: 104279.2/16

+ sign 64.631 $\pm$ 0.010 χ^2 /NDF: 490582.5/33

All: 64.805 $\pm$ 0.007 χ^2 /NDF: 902846.5/69

- sign 64.980 $\pm$ 0.010 χ^2 /NDF: 411654.4/35

asym_sam8_dit_correction_mean vs Slug



Right In: -82.228 $\pm$ 78.676 χ^2/NDF : 19.2/15

Left Out: -319.651 $\pm$ 71.814 χ^2/NDF : 45.8/17

Right Out: -6.063 $\pm$ 65.910 χ^2/NDF : 12.0/18

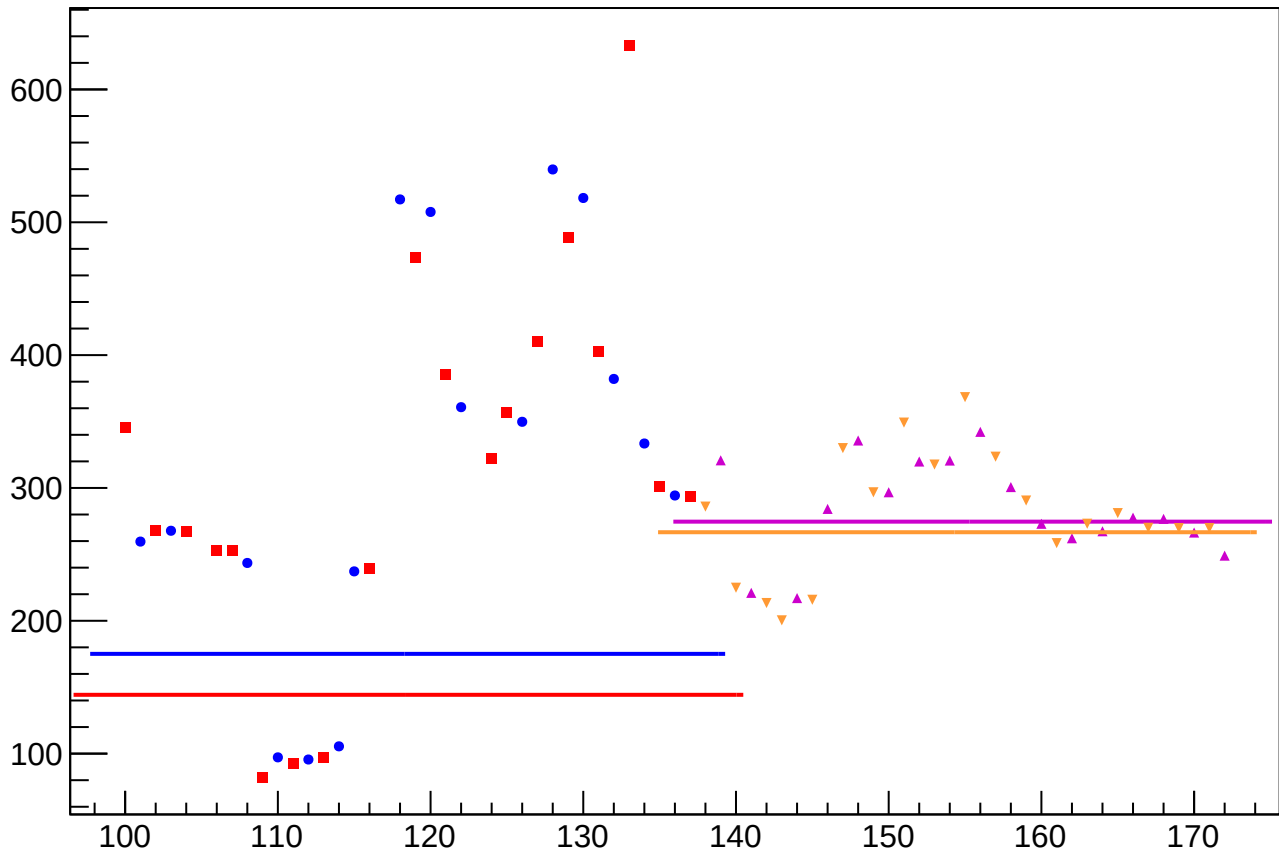
Left In: -52.827 $\pm$ 74.135 χ^2/NDF : 19.8/16

+ sign -211.742 $\pm$ 53.041 χ^2/NDF : 70.0/33

All: -112.392 $\pm$ 36.094 χ^2/NDF : 108.6/69

- sign -26.708 $\pm$ 49.258 χ^2/NDF : 32.1/35

asym_sam8_dit_correction_rms vs Slug



Right In: 175.099 $\pm$ 0.056 χ^2 /NDF: 4429076.5/15

Left Out: 266.667 $\pm$ 0.051 χ^2 /NDF: 794771.3/17

Right Out: 144.276 $\pm$ 0.047 χ^2 /NDF: 5132432.2/18

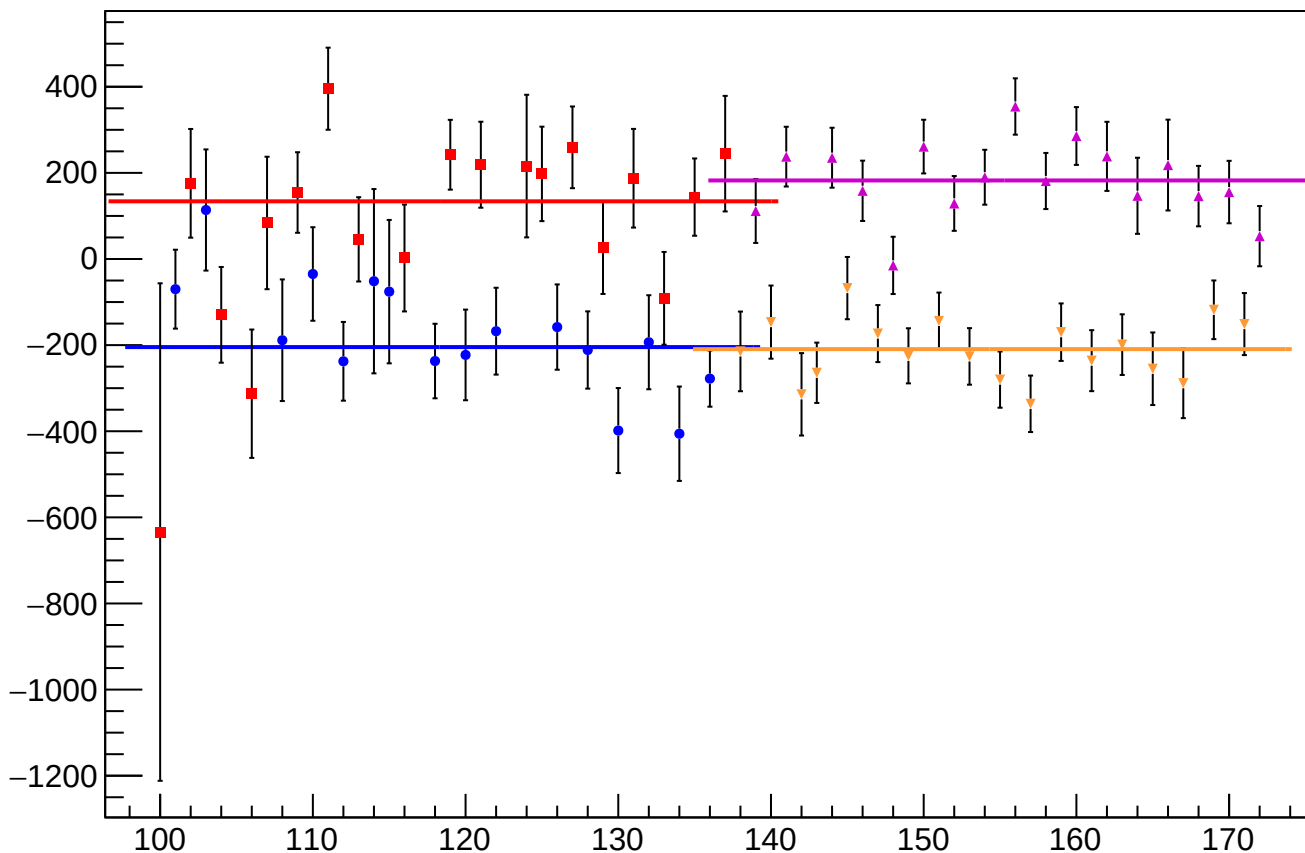
Left In: 274.631 $\pm$ 0.052 χ^2 /NDF: 502582.2/16

+ sign 225.050 $\pm$ 0.038 χ^2 /NDF: 6701688.2/33

All: 212.579 $\pm$ 0.026 χ^2 /NDF: 15996270.2/69

- sign 201.824 $\pm$ 0.035 χ^2 /NDF: 9088679.4/35

eigen_dit_asym_sam8_mean vs Slug



Right In: -204.577 ± 25.523 χ^2/NDF : 20.0/15

Left Out: -209.314 ± 16.934 χ^2/NDF : 16.8/17

Right Out: 133.926 ± 25.483 χ^2/NDF : 37.2/18

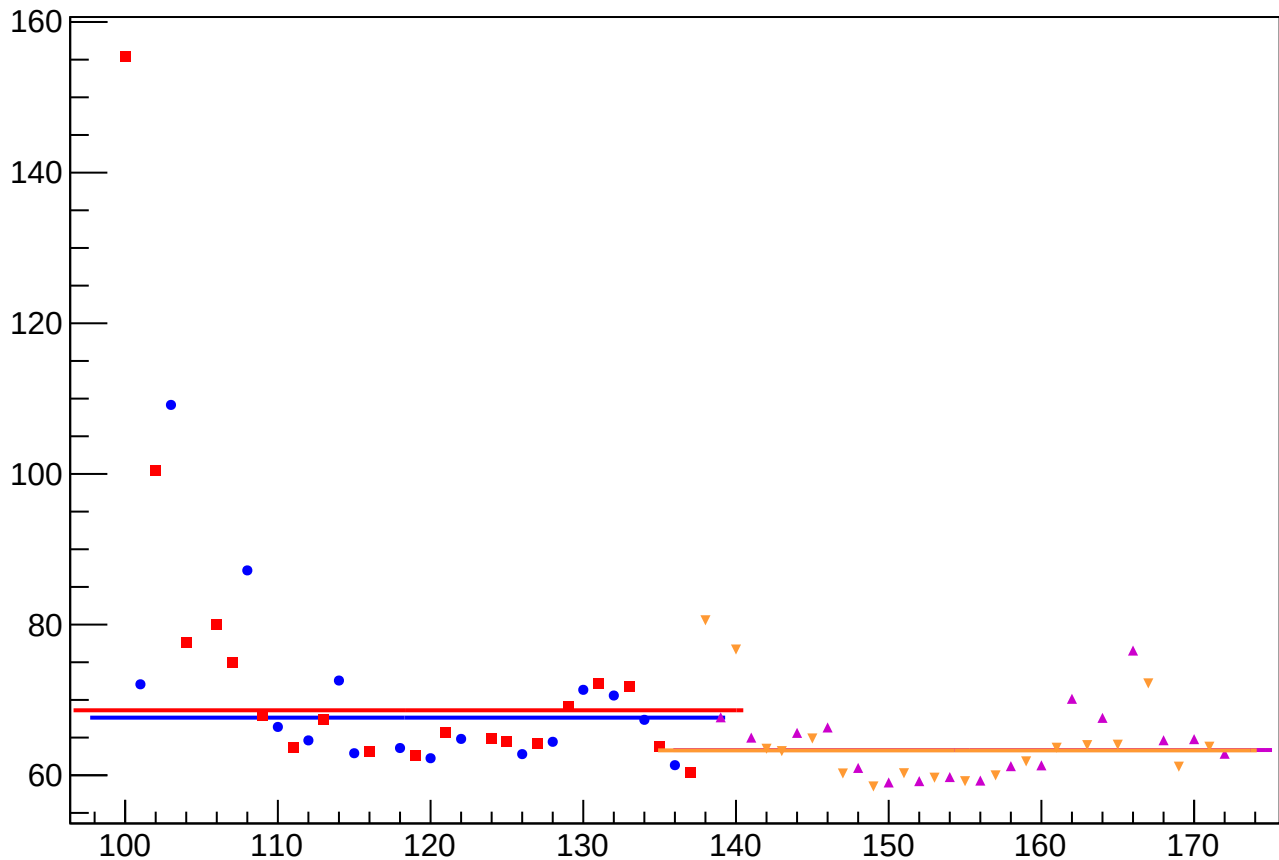
Left In: 182.409 ± 17.055 χ^2/NDF : 27.2/16

+ sign -207.866 ± 14.111 χ^2/NDF : 36.8/33

All: -21.059 ± 10.000 χ^2/NDF : 455.8/69

- sign 167.411 ± 14.173 χ^2/NDF : 66.9/35

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.647 $\pm$ 0.018 χ^2 /NDF: 263668.9/15

Left Out: 63.303 $\pm$ 0.012 χ^2 /NDF: 186674.3/17

Right Out: 68.624 $\pm$ 0.018 χ^2 /NDF: 248166.1/18

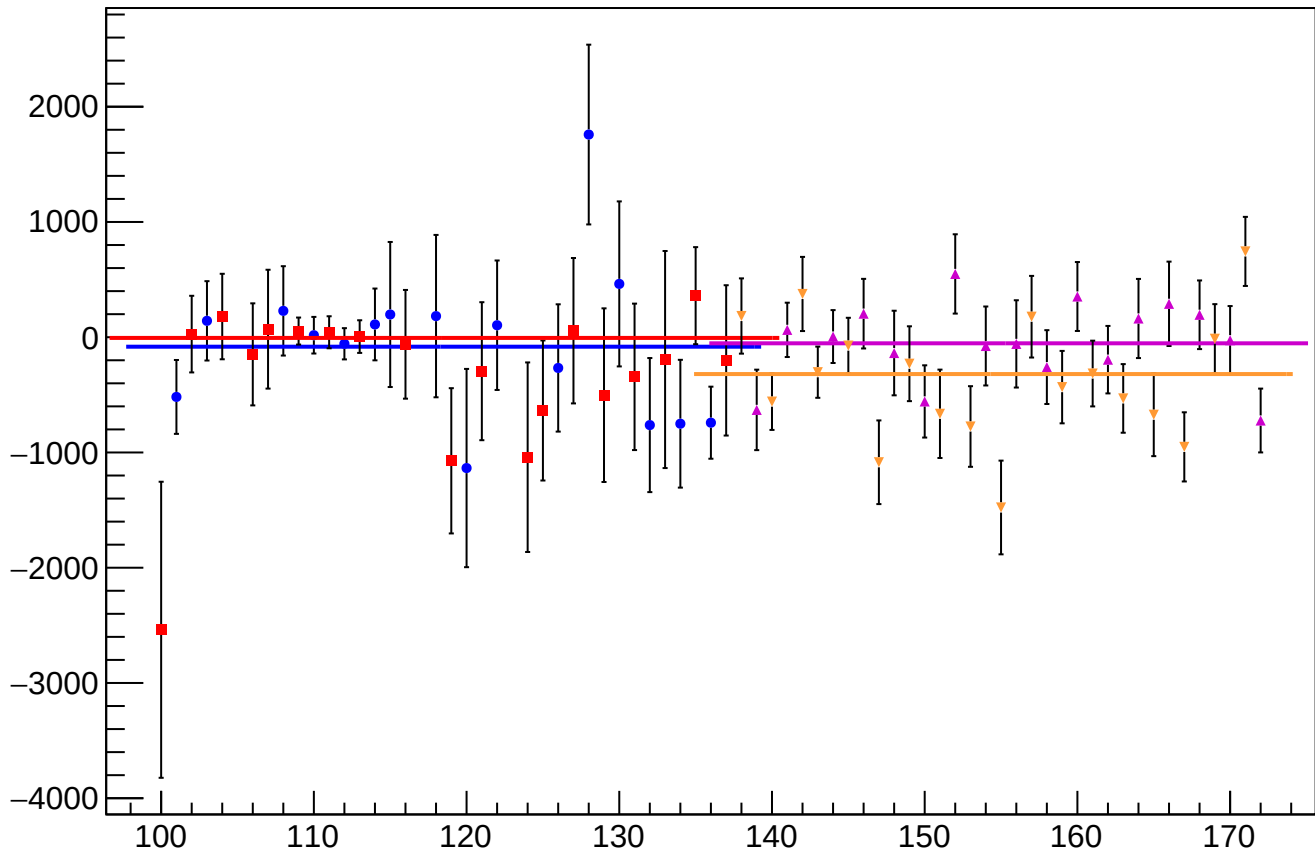
Left In: 63.348 $\pm$ 0.012 χ^2 /NDF: 104279.4/16

+ sign 64.631 $\pm$ 0.010 χ^2 /NDF: 490576.9/33

All: 64.805 $\pm$ 0.007 χ^2 /NDF: 902837.1/69

- sign 64.980 $\pm$ 0.010 χ^2 /NDF: 411650.5/35

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -82.226 $\pm$ 78.675 χ^2/NDF : 19.2/15

Left Out: -319.651 $\pm$ 71.814 χ^2/NDF : 45.8/17

Right Out: -6.062 $\pm$ 65.910 χ^2/NDF : 12.0/18

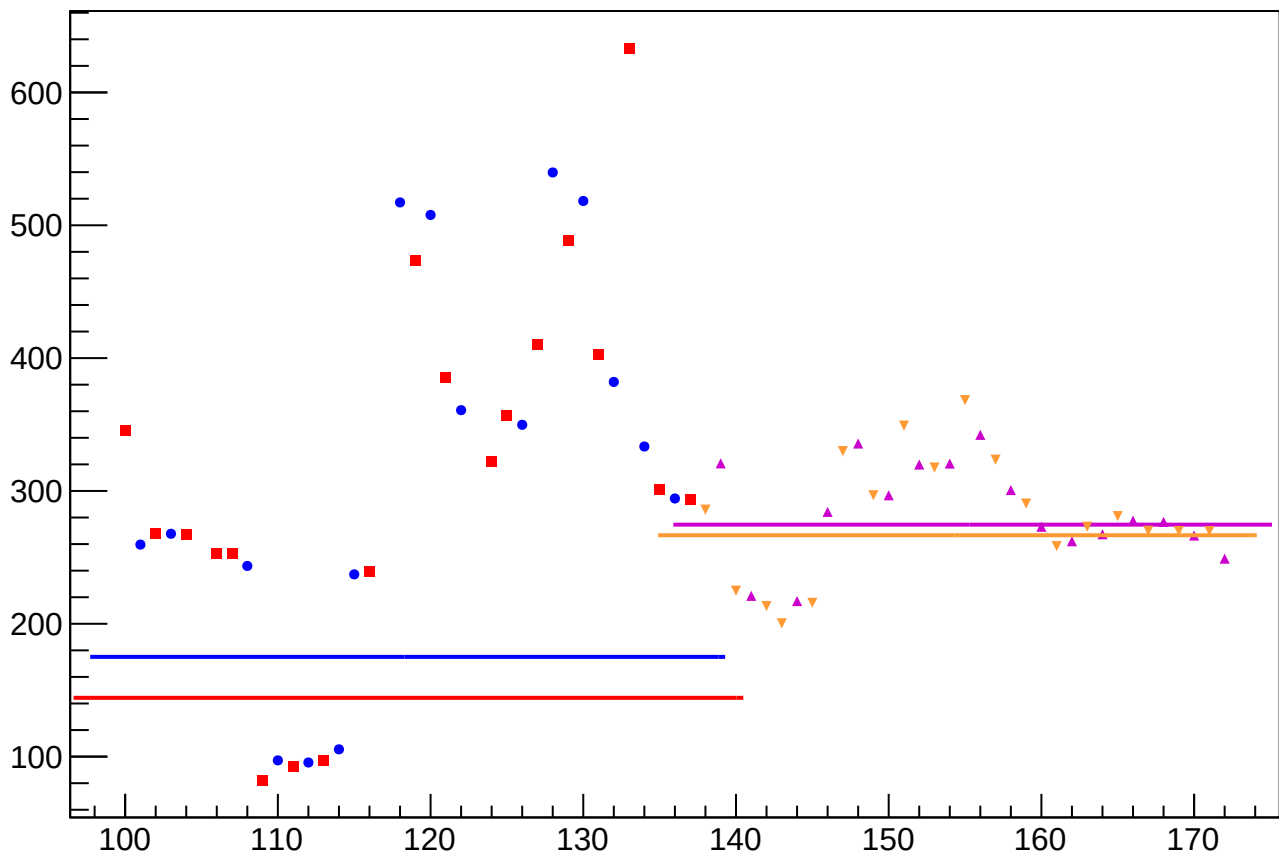
Left In: -52.827 $\pm$ 74.135 χ^2/NDF : 19.8/16

+ sign -211.741 $\pm$ 53.040 χ^2/NDF : 70.0/33

All: -112.392 $\pm$ 36.094 χ^2/NDF : 108.6/69

- sign -26.707 $\pm$ 49.258 χ^2/NDF : 32.1/35

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

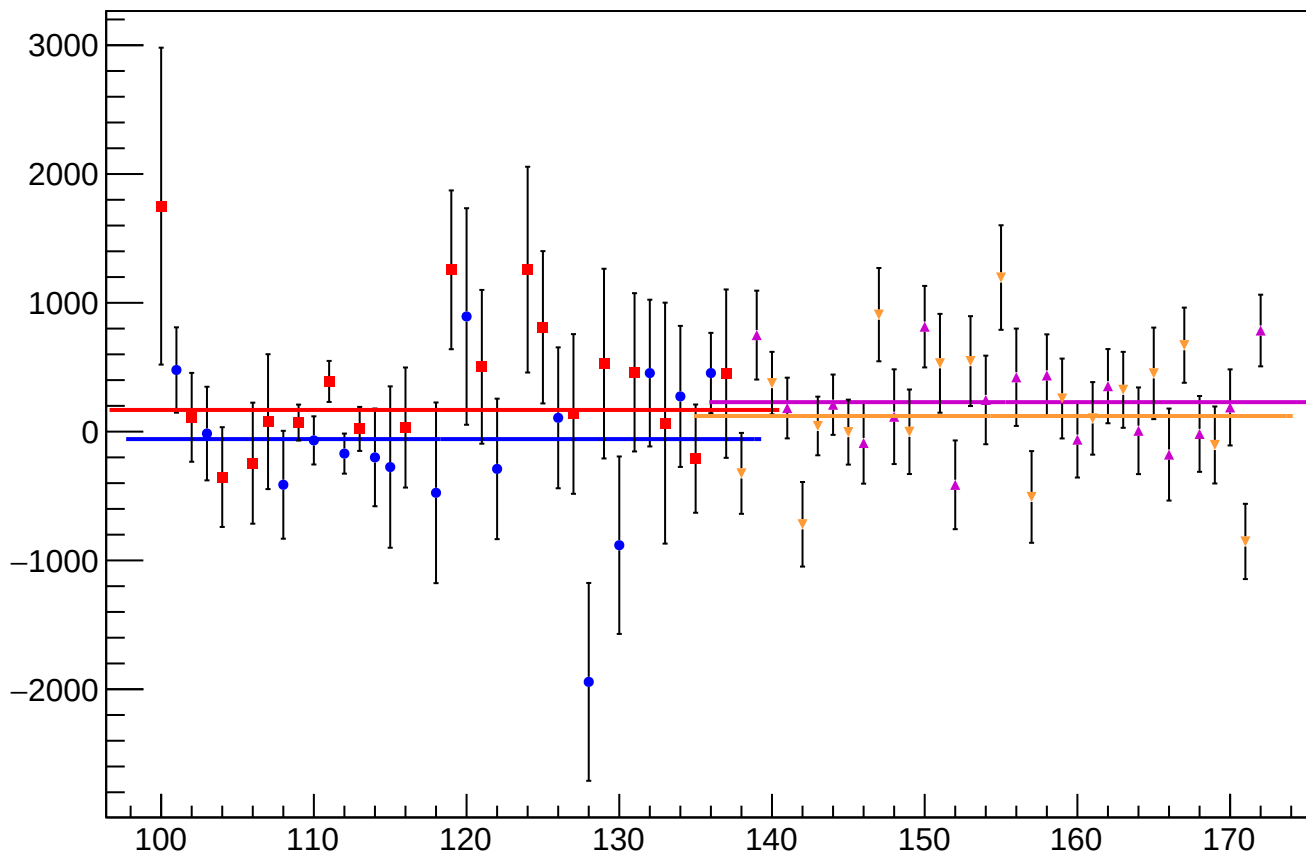
Left In: 274.630+/-0.052 χ^2/NDF : 502584.3/16

+ sign 225.048+/-0.038 χ^2/NDF : 6701745.8/33

All: 212.578+/-0.026 χ^2/NDF : 15996286.1/69

- sign 201.824+/-0.035 χ^2/NDF : 9088649.5/35

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

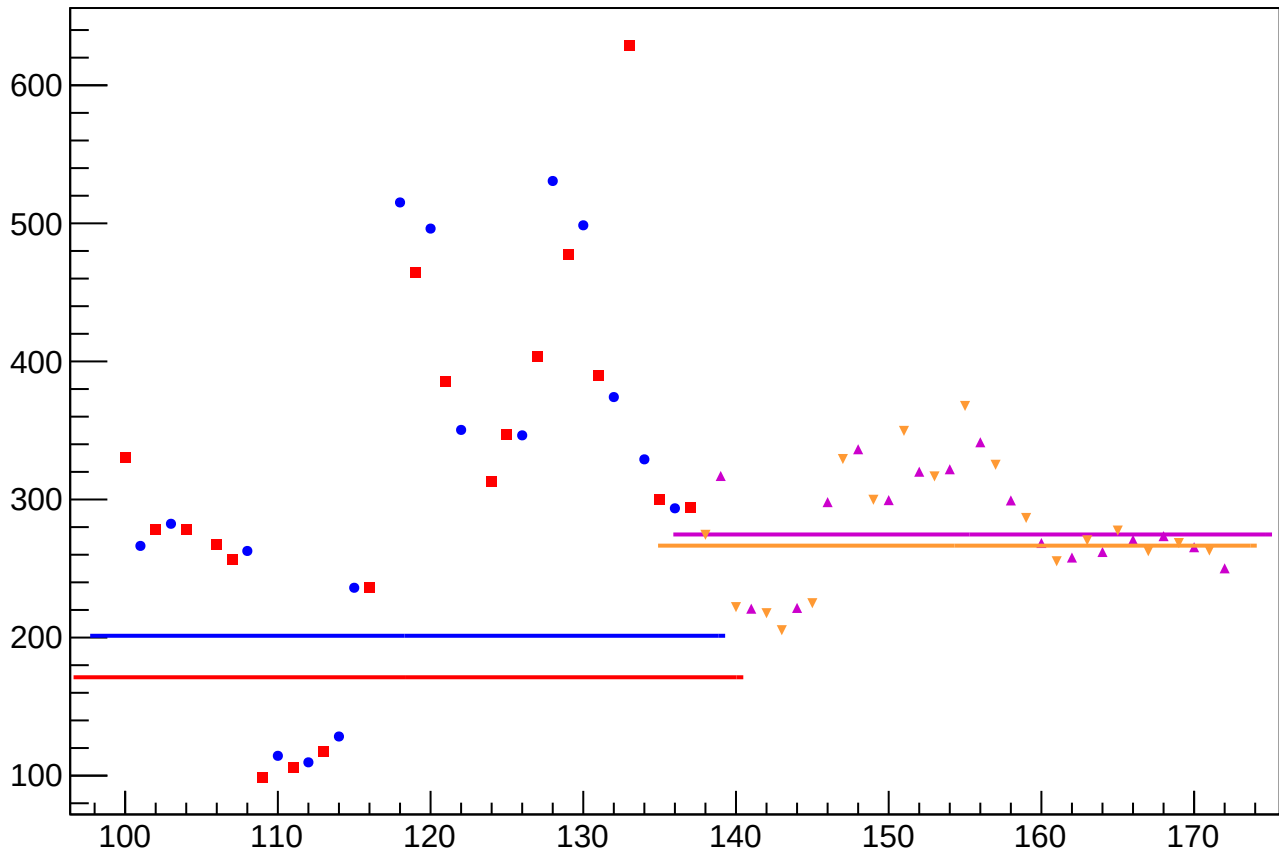
Left In: 228.860 ± 74.129 χ^2/NDF : 18.6/16

+ sign 48.464 ± 55.317 χ^2/NDF : 64.3/33

All: 127.430 ± 38.111 χ^2/NDF : 102.7/69

- sign 198.781 ± 52.582 χ^2/NDF : 34.5/35

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

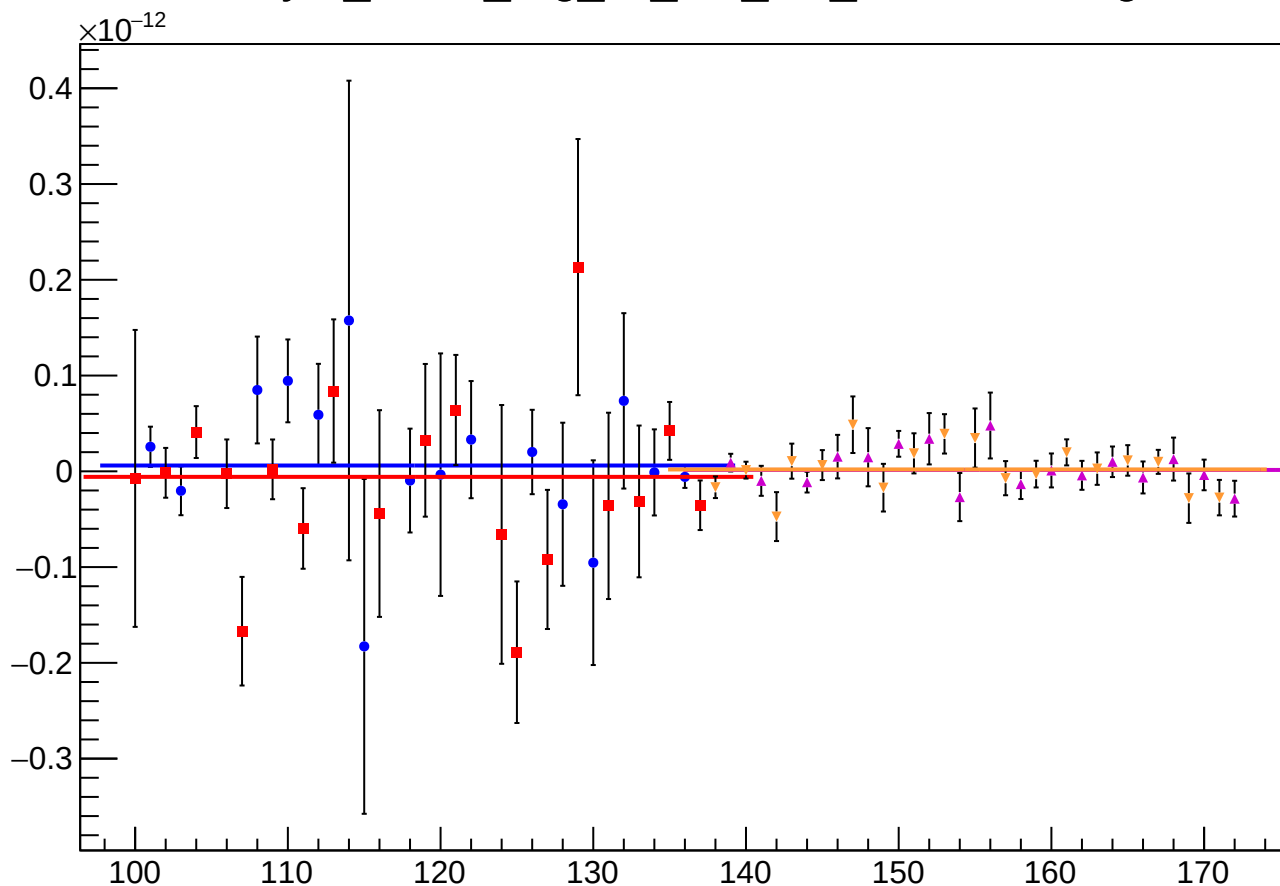
Left In: 274.665+/-0.052 χ^2/NDF : 492281.1/16

+ sign 240.122+/-0.039 χ^2/NDF : 4964439.3/33

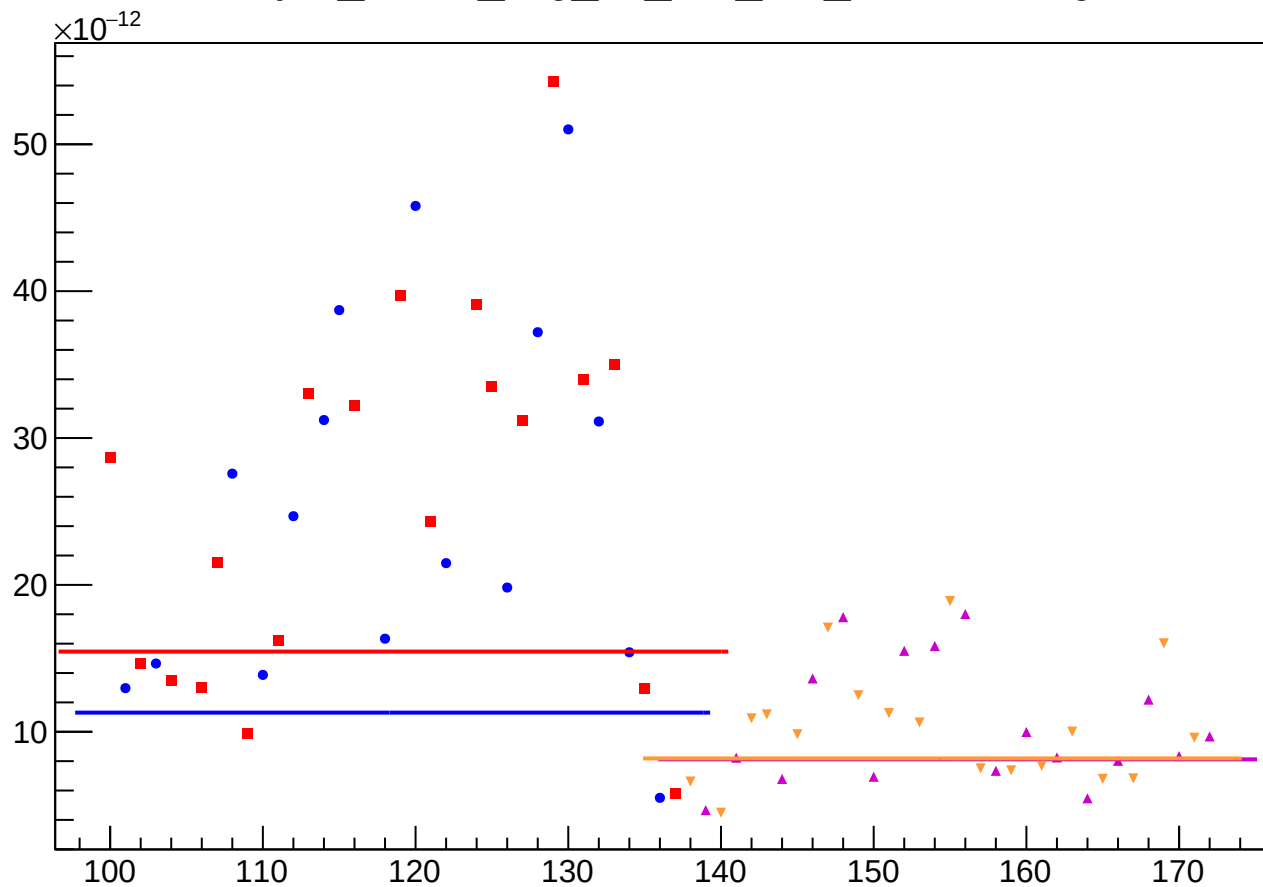
All: 231.276+/-0.027 χ^2/NDF : 11680497.7/69

- sign 223.284+/-0.037 χ^2/NDF : 6618716.8/35

asym_sam8_reg_vs_cor_diff_mean vs Slug



asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1788731.6/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1314215.0/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1442096.6/18$

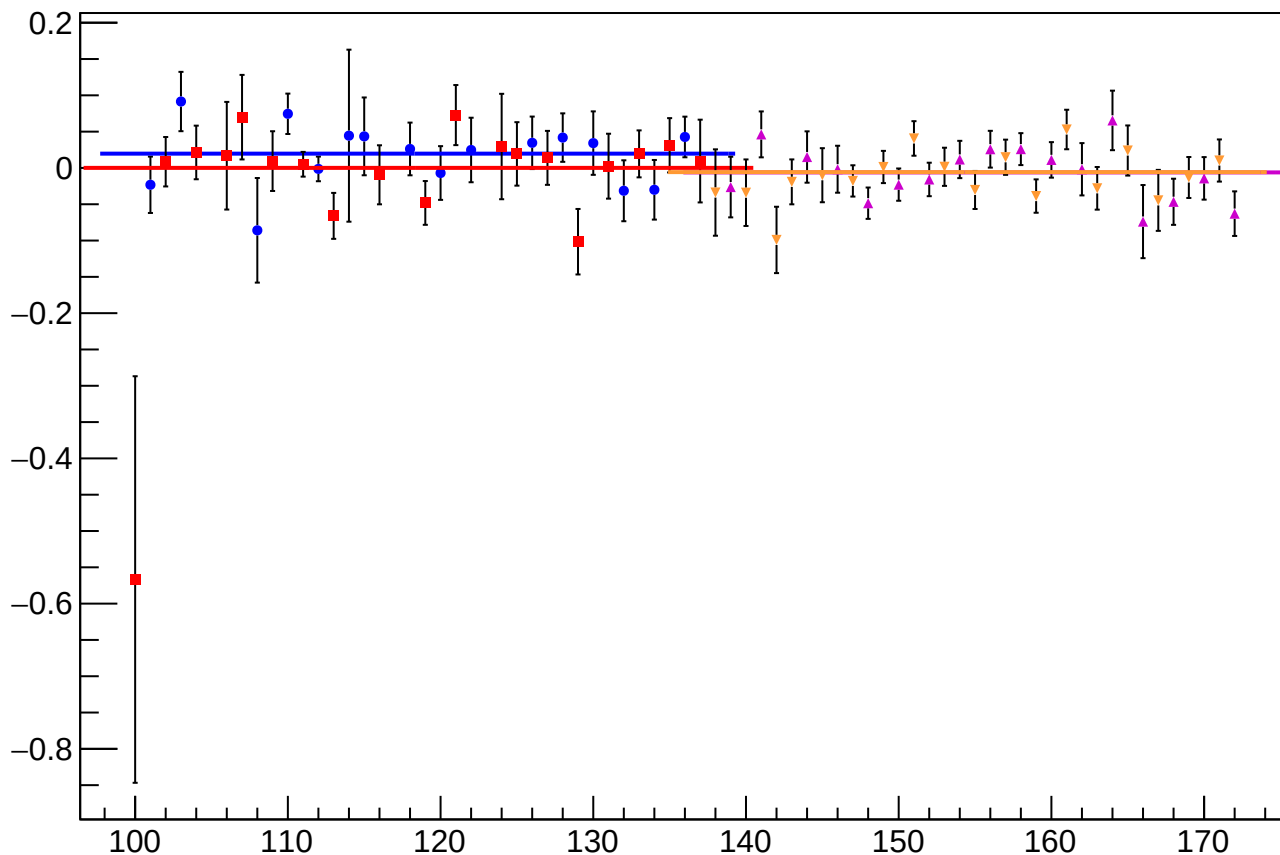
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1315255.1/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 3338416.9/33$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 7007445.4/69$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 3659545.9/35$

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.006 ± 0.007 $\chi^2/\text{NDF}: 20.1/17$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

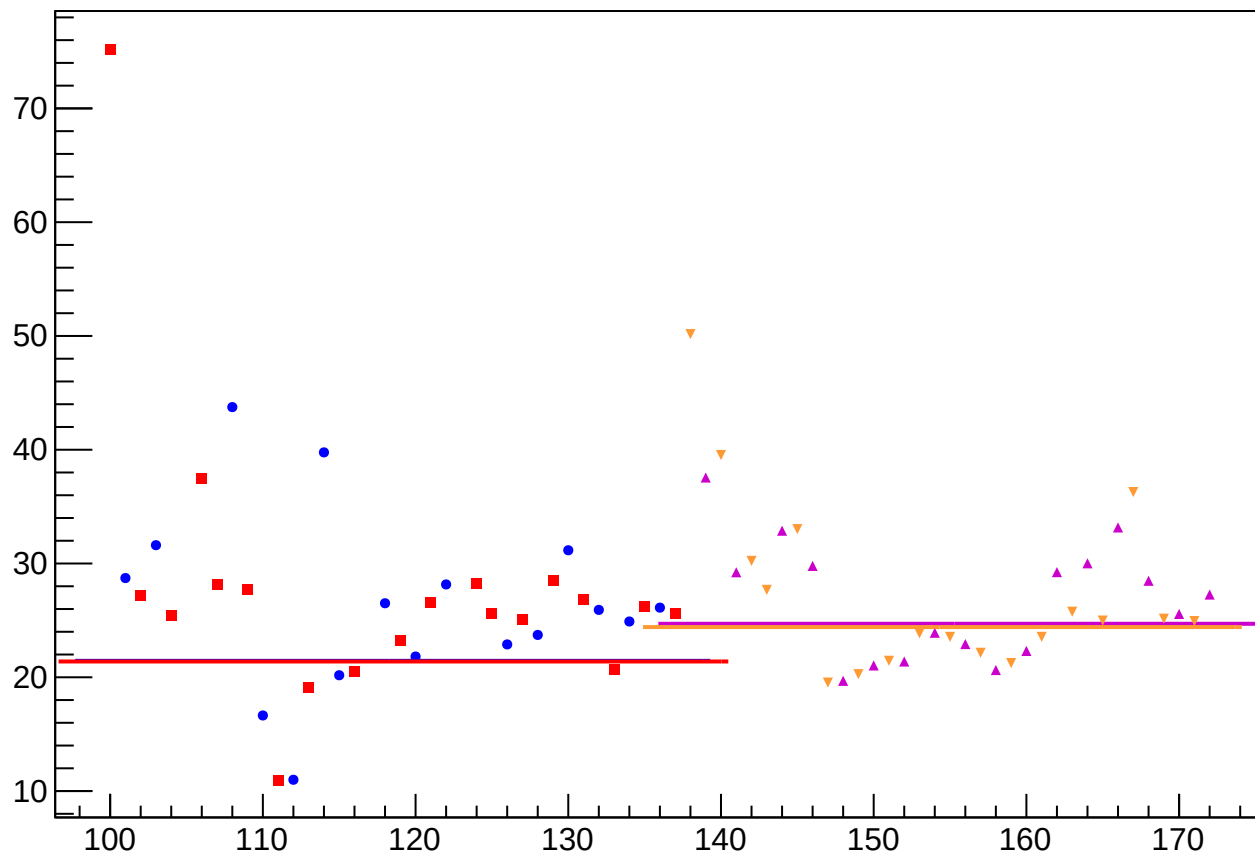
Left In: -0.006 ± 0.007 $\chi^2/\text{NDF}: 22.7/16$

+ sign 0.004 ± 0.005 $\chi^2/\text{NDF}: 42.5/33$

All: 0.000 ± 0.004 $\chi^2/\text{NDF}: 89.3/69$

- sign -0.004 ± 0.005 $\chi^2/\text{NDF}: 45.8/35$

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 24.414 $\pm$ 0.005 χ^2 /NDF: 1184294.1/17

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

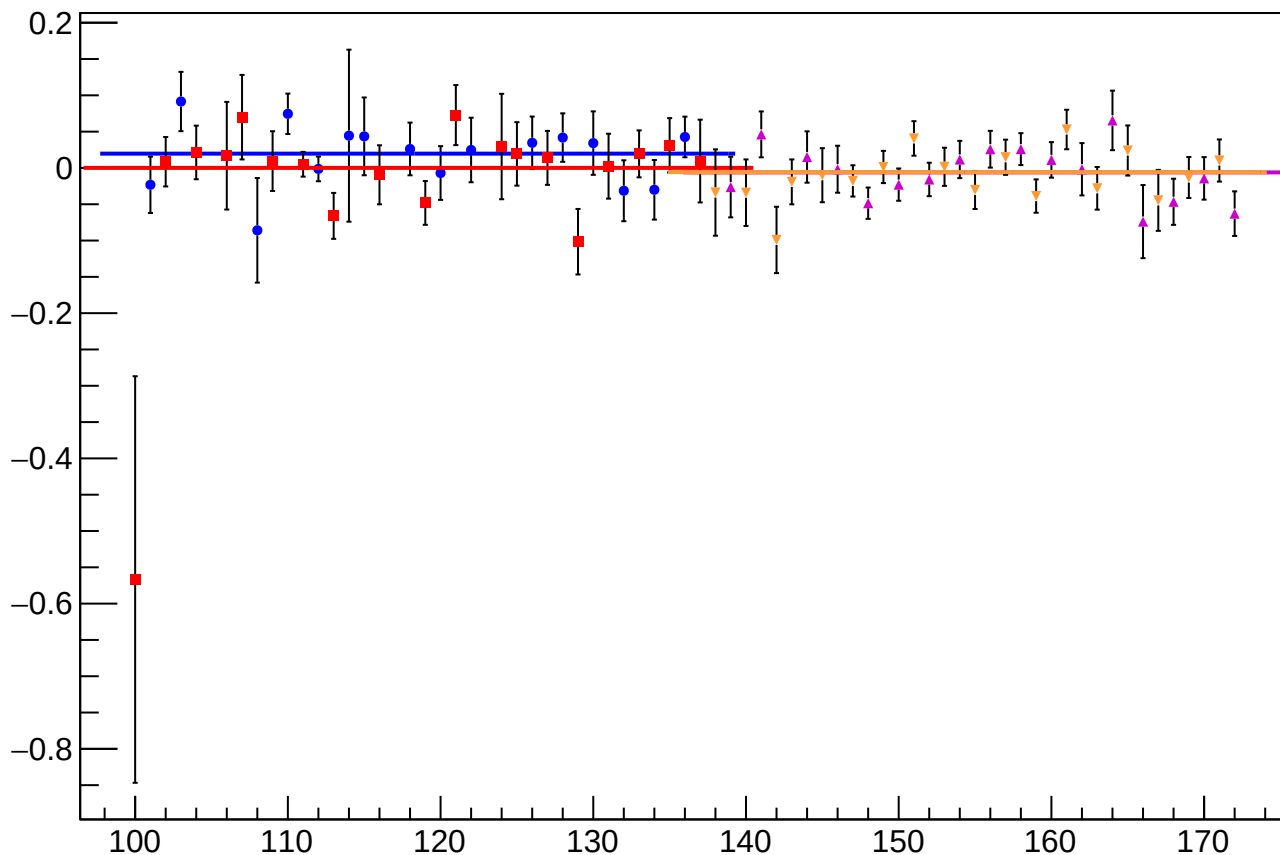
Left In: 24.703 $\pm$ 0.005 χ^2 /NDF: 855846.0/16

+ sign 23.291 $\pm$ 0.004 χ^2 /NDF: 2870503.7/33

All: 23.343 $\pm$ 0.003 χ^2 /NDF: 5222261.7/69

- sign 23.394 $\pm$ 0.004 χ^2 /NDF: 2351385.4/35

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2/NDF : 17.0/15

Left Out: -0.006 $\pm$ 0.007 χ^2/NDF : 20.1/17

Right Out: 0.000 $\pm$ 0.009 χ^2/NDF : 22.8/18

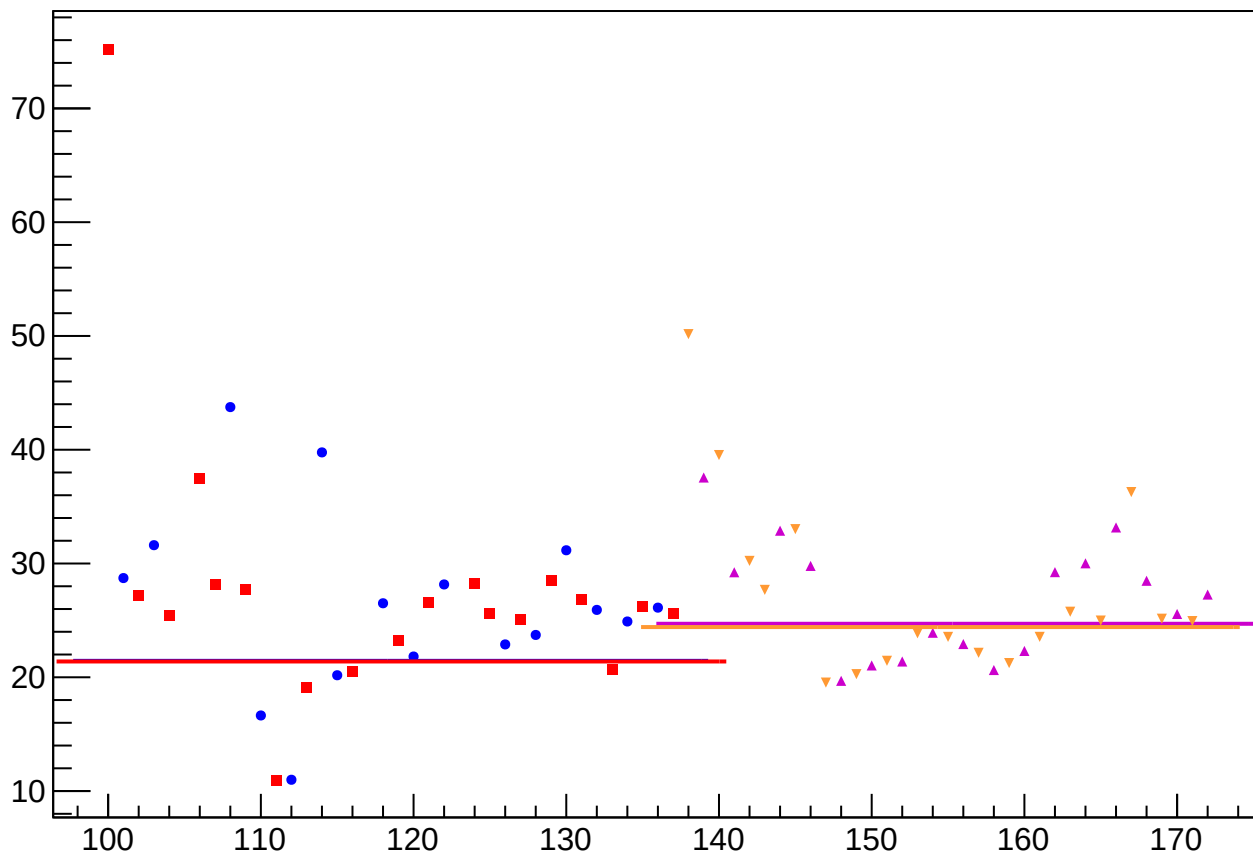
Left In: -0.006 $\pm$ 0.007 χ^2/NDF : 22.7/16

+ sign 0.004 $\pm$ 0.005 χ^2/NDF : 42.5/33

All: 0.000 $\pm$ 0.004 χ^2/NDF : 89.3/69

- sign -0.004 $\pm$ 0.005 χ^2/NDF : 45.8/35

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.444 $\pm$ 0.006 χ^2 /NDF: 1540713.8/15

Left Out: 24.414 $\pm$ 0.005 χ^2 /NDF: 1184294.1/17

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1311934.3/18

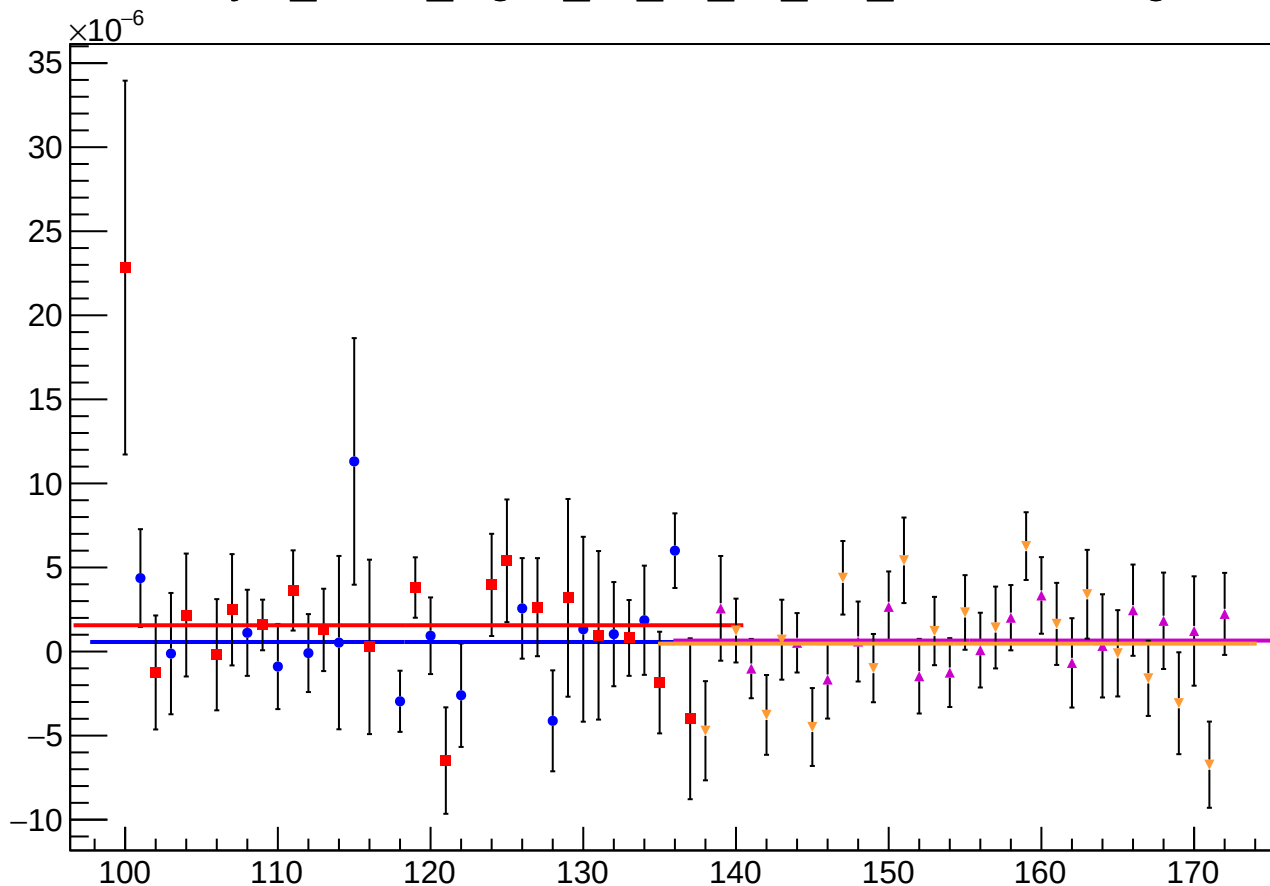
Left In: 24.703 $\pm$ 0.005 χ^2 /NDF: 855846.0/16

+ sign 23.291 $\pm$ 0.004 χ^2 /NDF: 2870503.7/33

All: 23.343 $\pm$ 0.003 χ^2 /NDF: 5222261.7/69

- sign 23.394 $\pm$ 0.004 χ^2 /NDF: 2351385.4/35

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

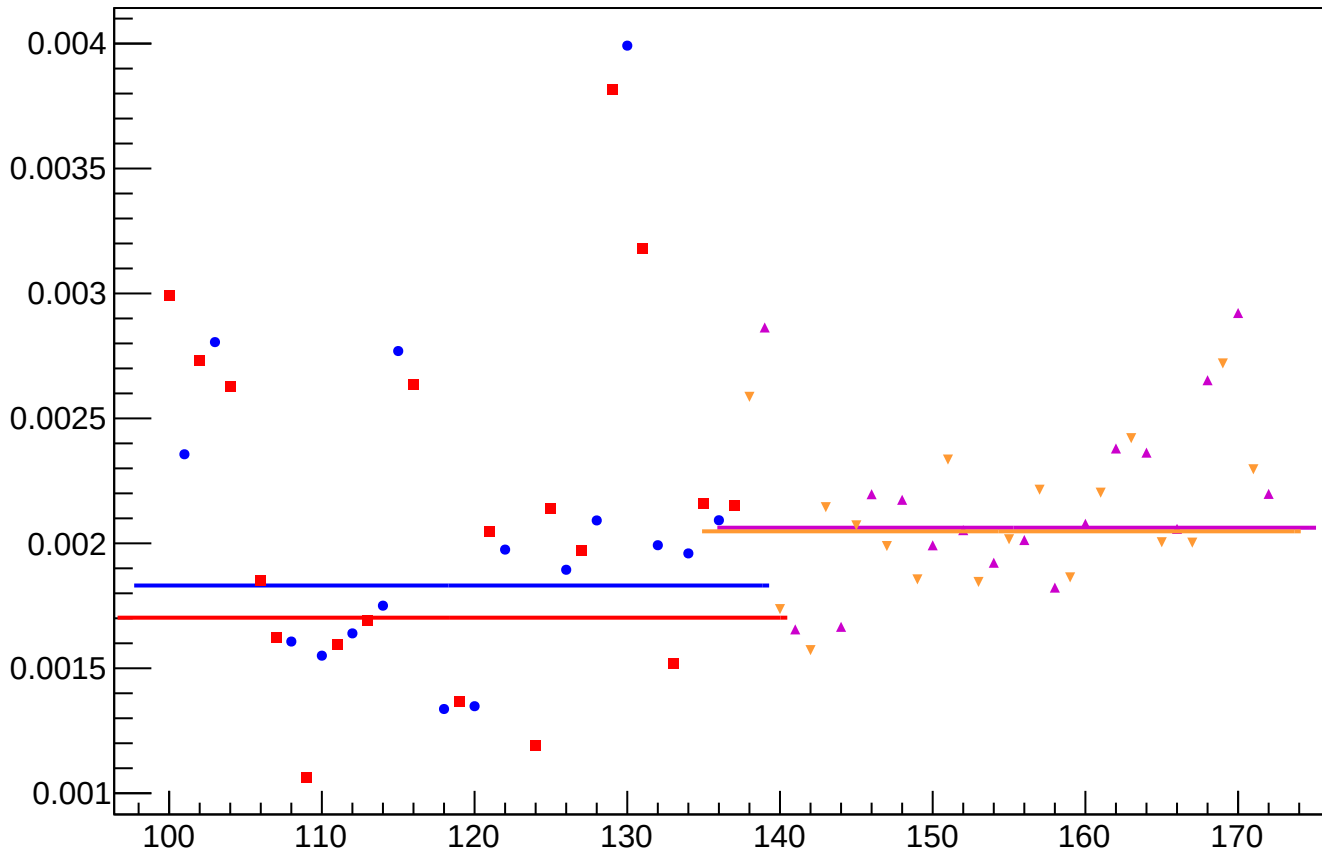
Left In: 0.000 ± 0.000 χ^2/NDF : 8.2/16

+ sign 0.000 ± 0.000 χ^2/NDF : 57.7/33

All: 0.000 ± 0.000 χ^2/NDF : 86.1/69

- sign 0.000 ± 0.000 χ^2/NDF : 27.6/35

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

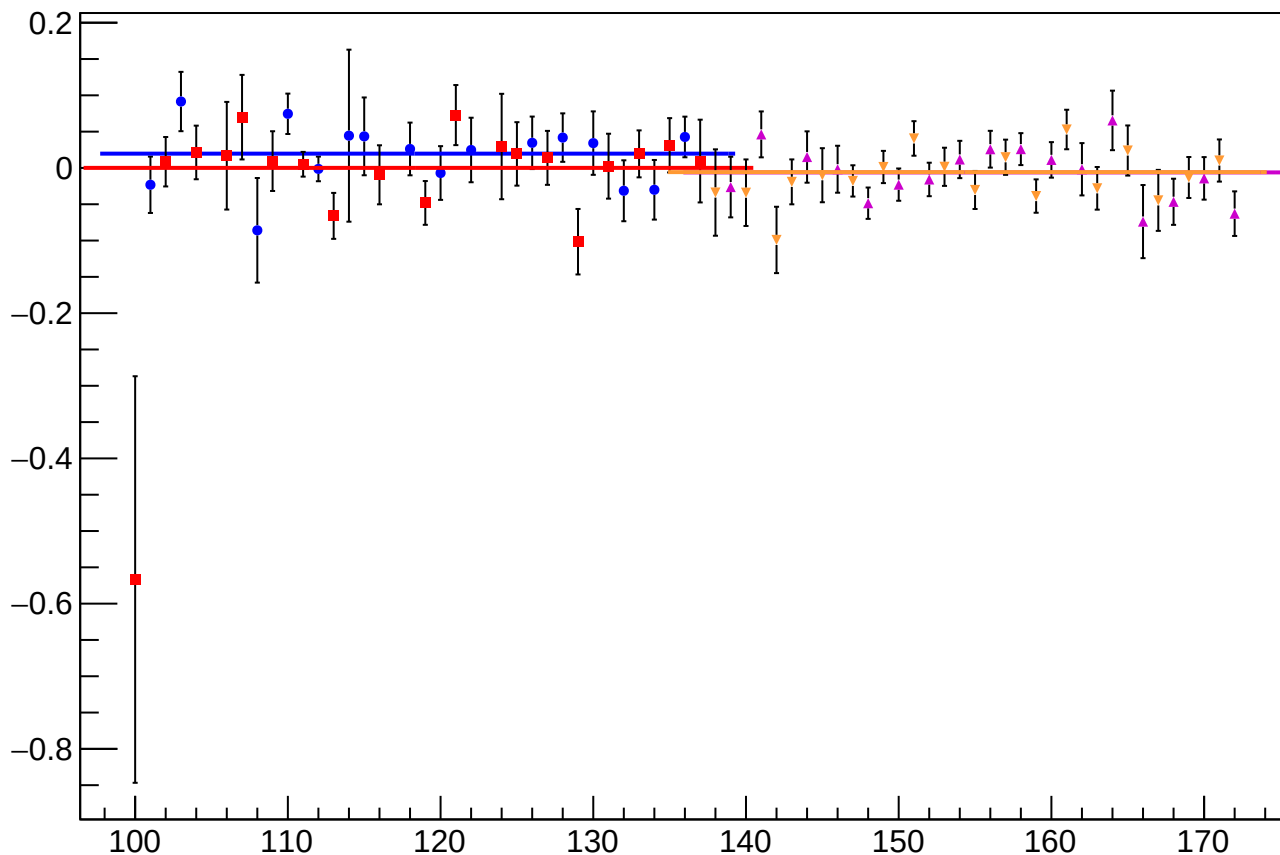
Left In: 0.002+/-0.000 χ^2/NDF : 671858.1/16

+ sign 0.002+/-0.000 χ^2/NDF : 1479692.2/33

All: 0.002+/-0.000 χ^2/NDF : 3992822.5/69

- sign 0.002+/-0.000 χ^2/NDF : 2496983.1/35

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020 $\pm$ 0.009 χ^2 /NDF: 17.0/15

Left Out: -0.006 $\pm$ 0.007 χ^2 /NDF:20.1/17

Right Out: 0.000 $\pm$ 0.009 χ^2 /NDF: 22.8/18

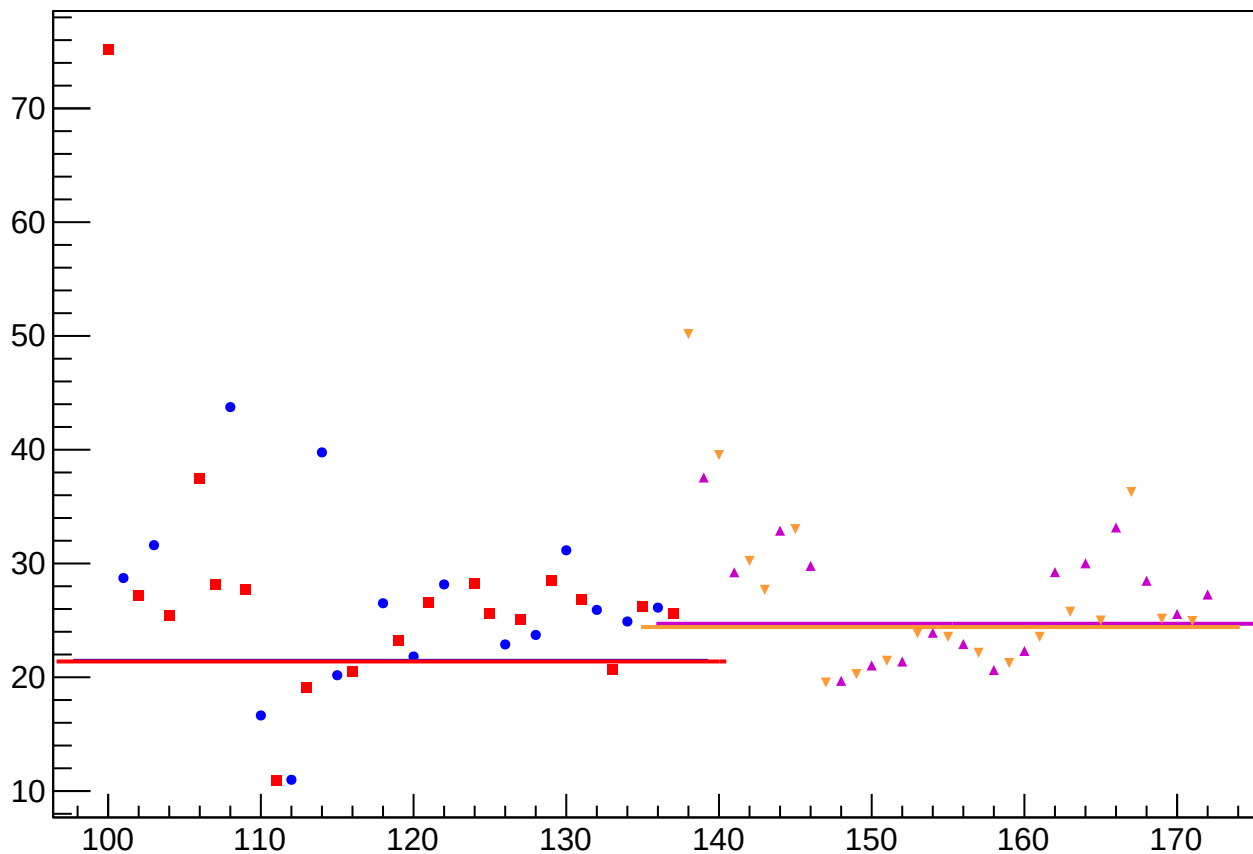
Left In: -0.006 $\pm$ 0.007 χ^2 /NDF:22.7/16

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 42.5/33

All: 0.000 $\pm$ 0.004 χ^2 /NDF: 89.3/69

- sign -0.004 $\pm$ 0.005 χ^2 /NDF: 45.8/35

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.443 $\pm$ 0.006 χ^2 /NDF: 1540859.8/15

Left Out: 24.414 $\pm$ 0.005 χ^2 /NDF: 1184293.5/17

Right Out: 21.389 $\pm$ 0.006 χ^2 /NDF: 1312055.7/18

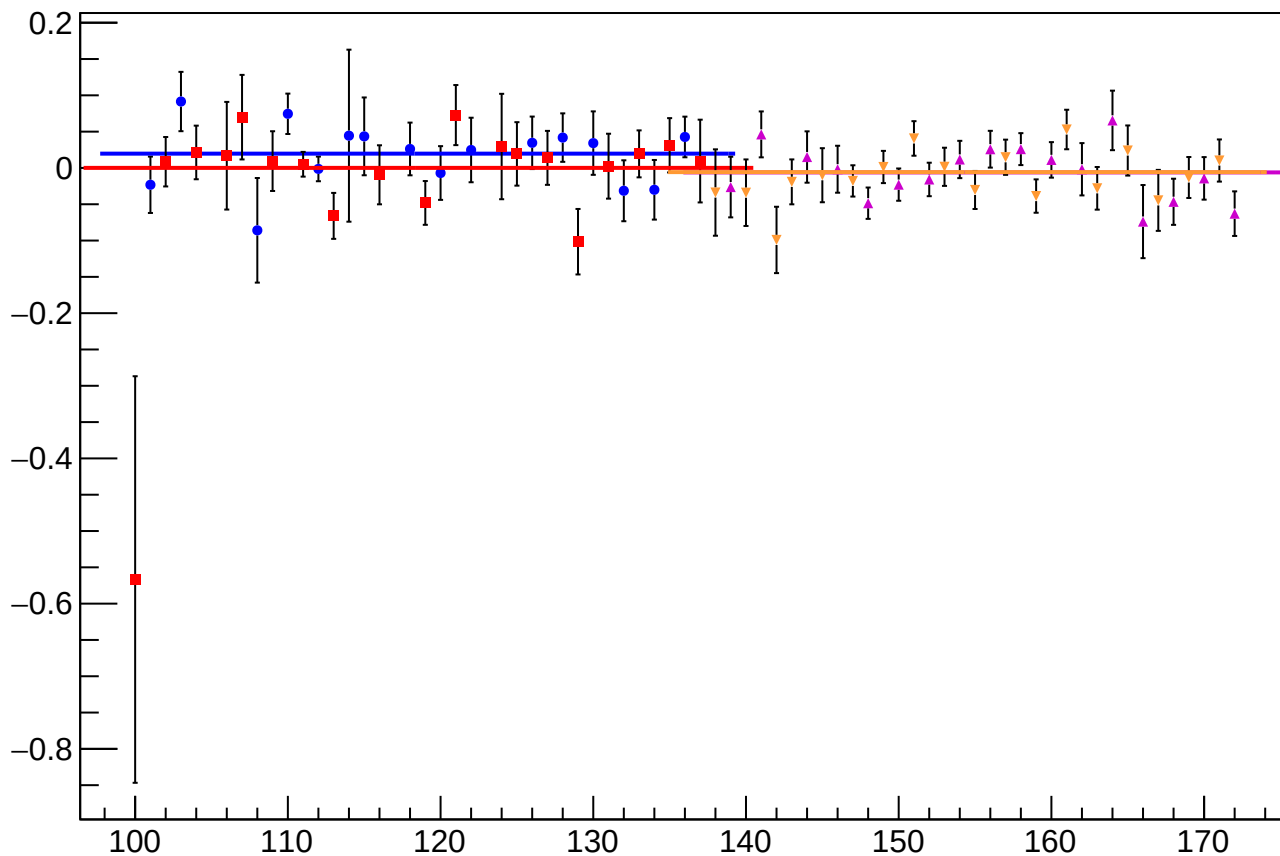
Left In: 24.703 $\pm$ 0.005 χ^2 /NDF: 855850.9/16

+ sign 23.291 $\pm$ 0.004 χ^2 /NDF: 2870728.2/33

All: 23.343 $\pm$ 0.003 χ^2 /NDF: 5222704.7/69

- sign 23.394 $\pm$ 0.004 χ^2 /NDF: 2351603.8/35

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020 ± 0.009 $\chi^2/\text{NDF}: 17.0/15$

Left Out: -0.006 ± 0.007 $\chi^2/\text{NDF}: 20.1/17$

Right Out: 0.000 ± 0.009 $\chi^2/\text{NDF}: 22.8/18$

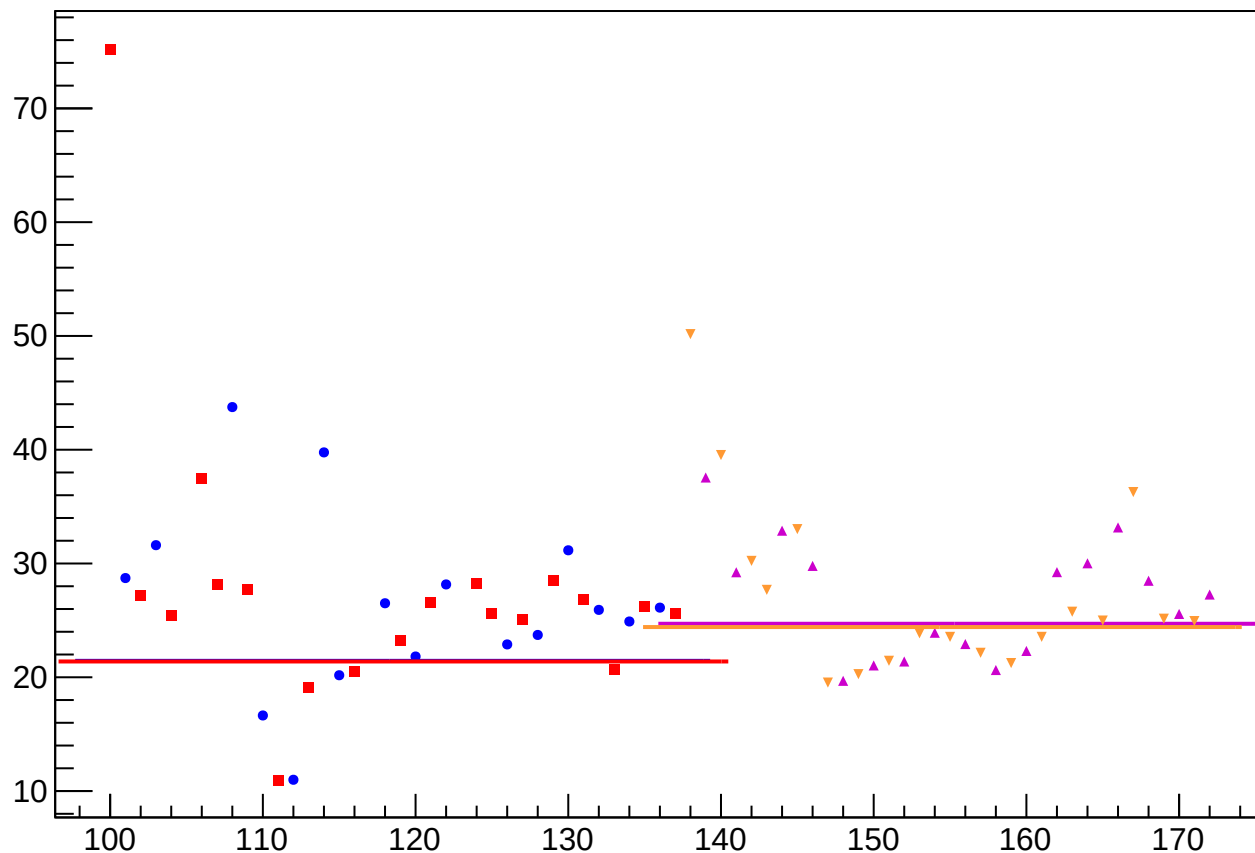
Left In: -0.006 ± 0.007 $\chi^2/\text{NDF}: 22.7/16$

+ sign 0.004 ± 0.005 $\chi^2/\text{NDF}: 42.5/33$

All: 0.000 ± 0.004 $\chi^2/\text{NDF}: 89.3/69$

- sign -0.004 ± 0.005 $\chi^2/\text{NDF}: 45.8/35$

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.443 $\pm$ 0.006 χ^2/NDF : 1540859.8/15

Left Out: 24.414 $\pm$ 0.005 χ^2/NDF : 1184293.5/17

Right Out: 21.389 $\pm$ 0.006 χ^2/NDF : 1312055.7/18

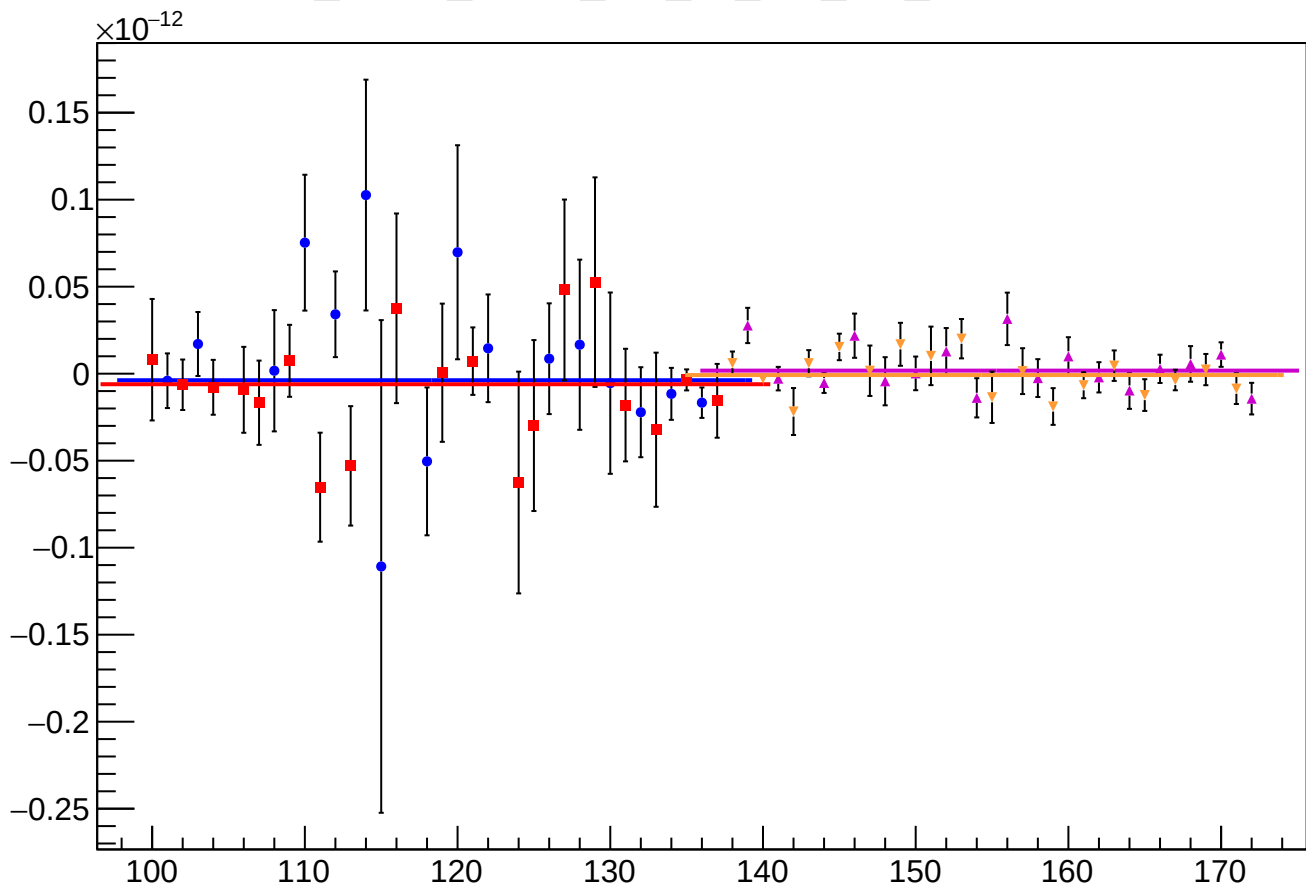
Left In: 24.703 $\pm$ 0.005 χ^2/NDF : 855850.9/16

+ sign 23.291 $\pm$ 0.004 χ^2/NDF : 2870728.2/33

All: 23.343 $\pm$ 0.003 χ^2/NDF : 5222704.7/69

- sign 23.394 $\pm$ 0.004 χ^2/NDF : 2351603.8/35

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.6/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 11.3/18

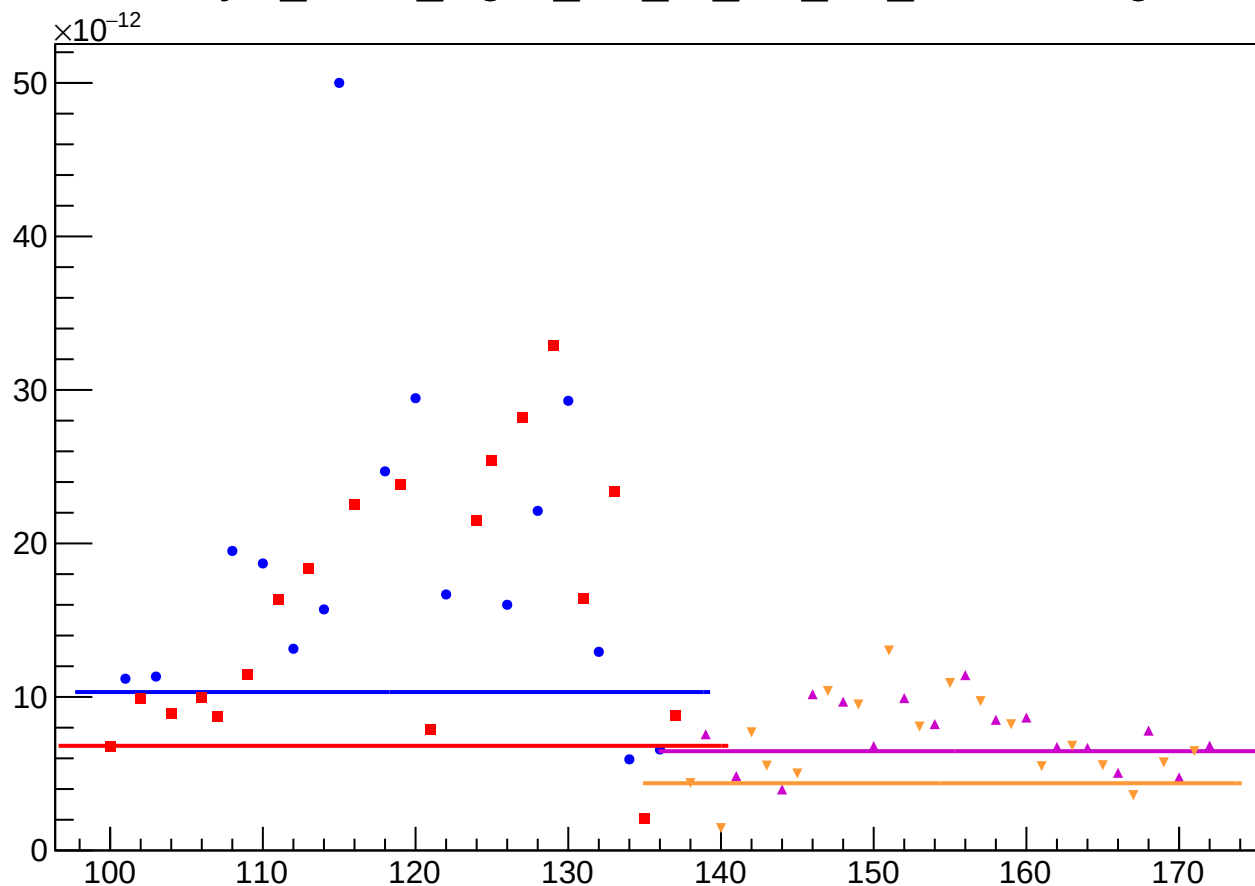
Left In: 0.000 ± 0.000 χ^2/NDF : 24.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 40.1/33

All: -0.000 ± 0.000 χ^2/NDF : 79.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 38.7/35

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

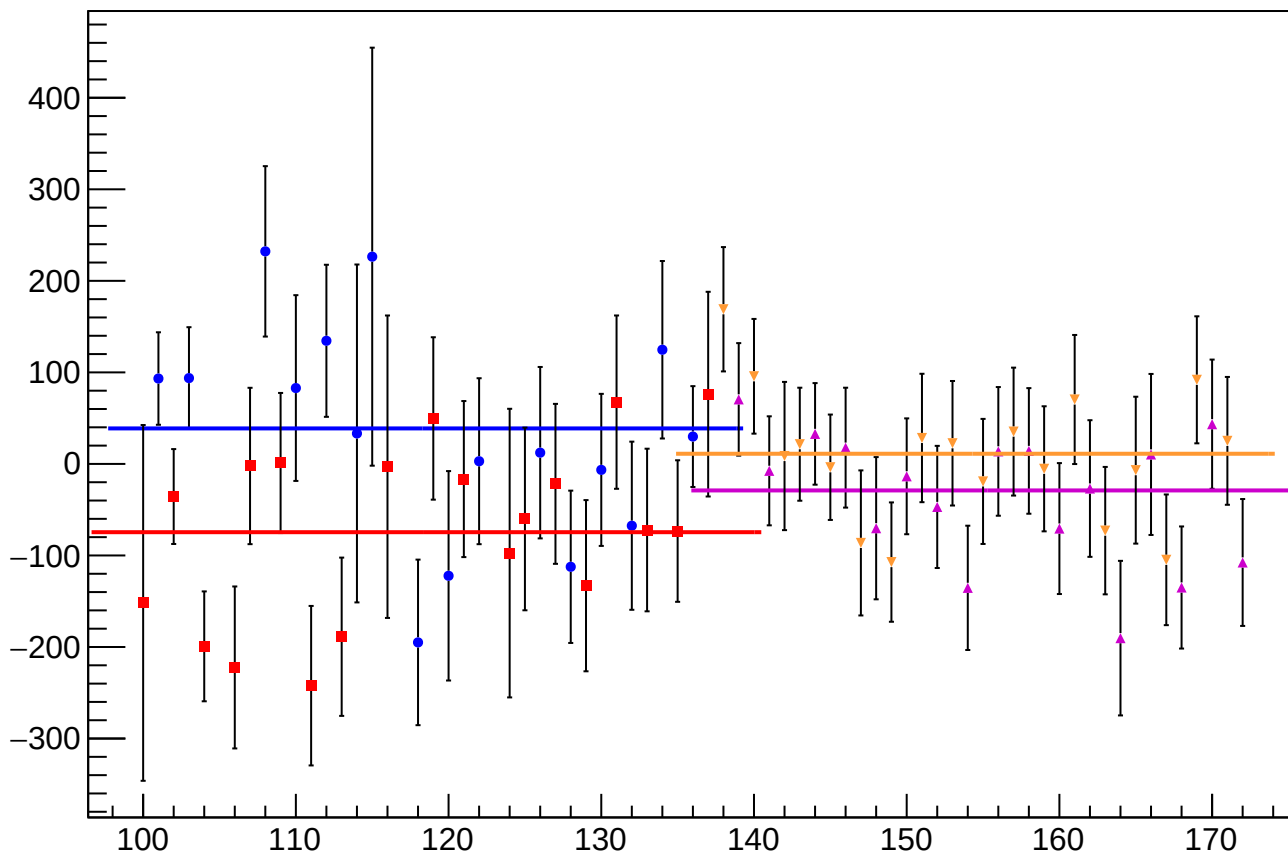
Left In: 0.000+/-0.000 χ^2/NDF : 1564739.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 9157328.3/33

All: 0.000+/-0.000 χ^2/NDF : 15516205.5/69

- sign 0.000+/-0.000 χ^2/NDF : 5596817.3/35

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

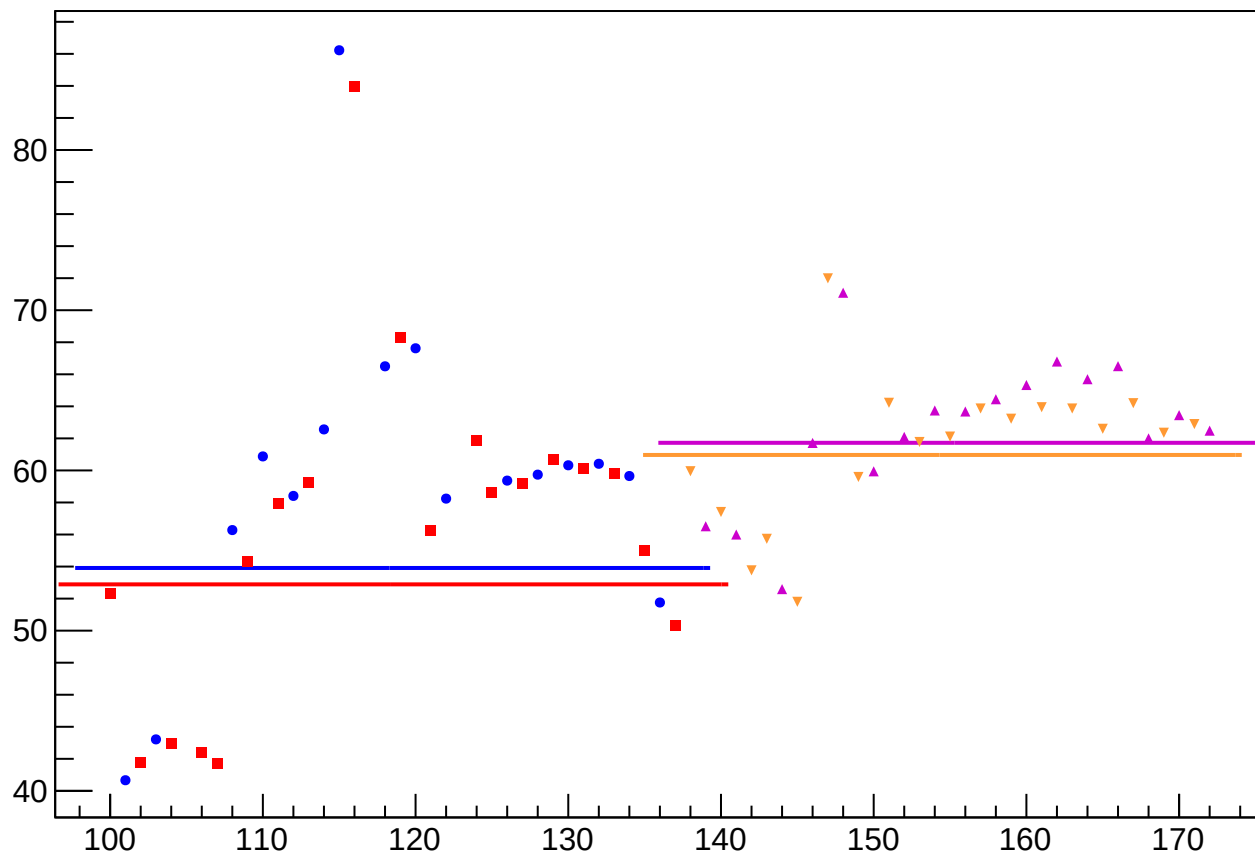
Left In: -28.961 ± 16.541 χ^2/NDF : 17.2/16

+ sign 21.805 ± 12.692 χ^2/NDF : 43.3/33

All: -12.945 ± 8.976 χ^2/NDF : 101.0/69

- sign -47.710 ± 12.695 χ^2/NDF : 42.8/35

reg_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393261.4/15

Left Out: 60.966 $\pm$ 0.011 χ^2 /NDF:152514.5/17

Right Out: 52.889 $\pm$ 0.014 χ^2 /NDF: 425226.7/18

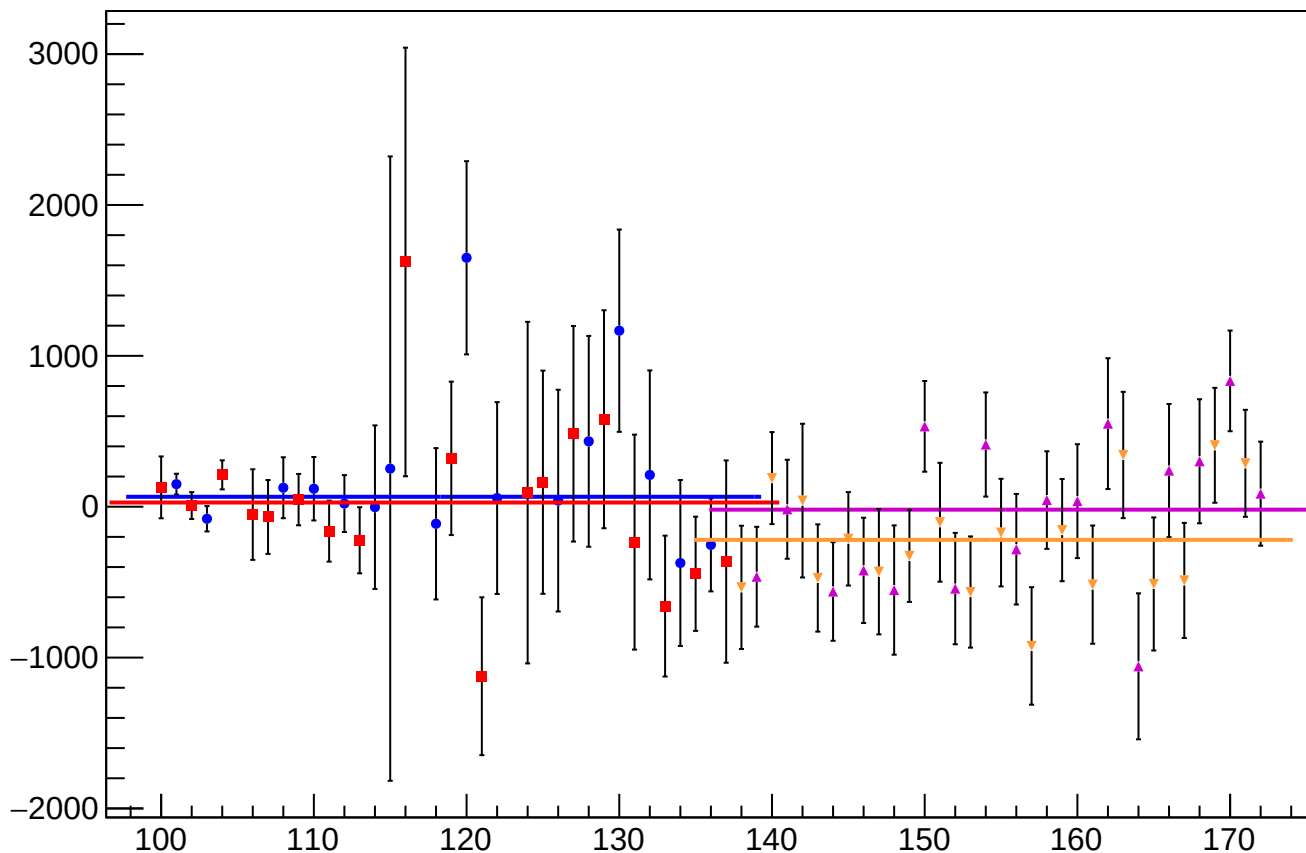
Left In: 61.724 $\pm$ 0.012 χ^2 /NDF:150332.7/16

+ sign 58.239 $\pm$ 0.009 χ^2 /NDF: 692267.3/33

All: 58.166 $\pm$ 0.006 χ^2 /NDF: 1502494.1/69

- sign 58.093 $\pm$ 0.009 χ^2 /NDF: 810094.5/35

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 65.853 $\pm$ 46.478 χ^2 /NDF: 15.7/15

Left Out: -219.601 $\pm$ 87.195 χ^2 /NDF: 15.9/17

Right Out: 27.850 $\pm$ 50.291 χ^2 /NDF: 18.0/18

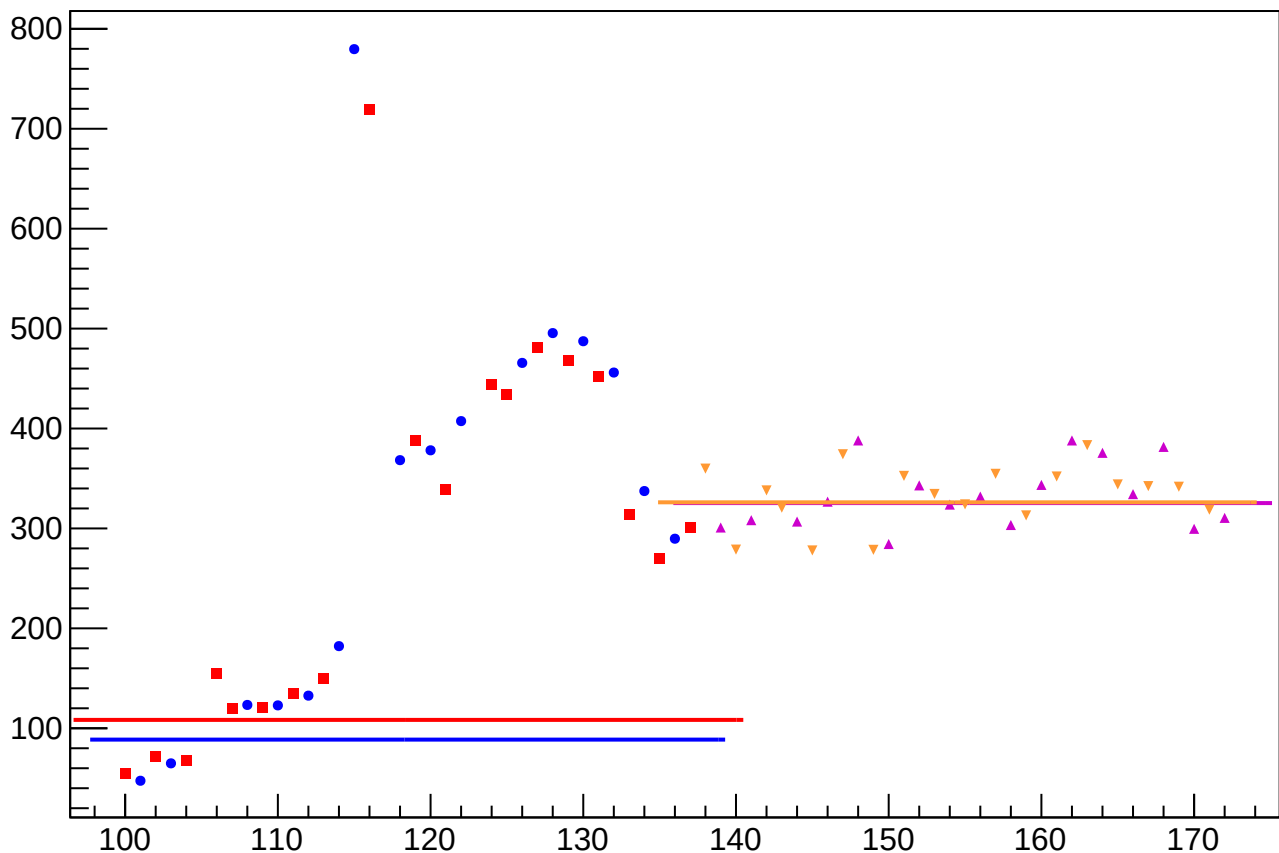
Left In: -19.530 $\pm$ 87.602 χ^2 /NDF: 28.9/16

+ sign 2.693 $\pm$ 41.015 χ^2 /NDF: 39.9/33

All: 8.987 $\pm$ 29.879 χ^2 /NDF: 87.1/69

- sign 16.105 $\pm$ 43.615 χ^2 /NDF: 47.1/35

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

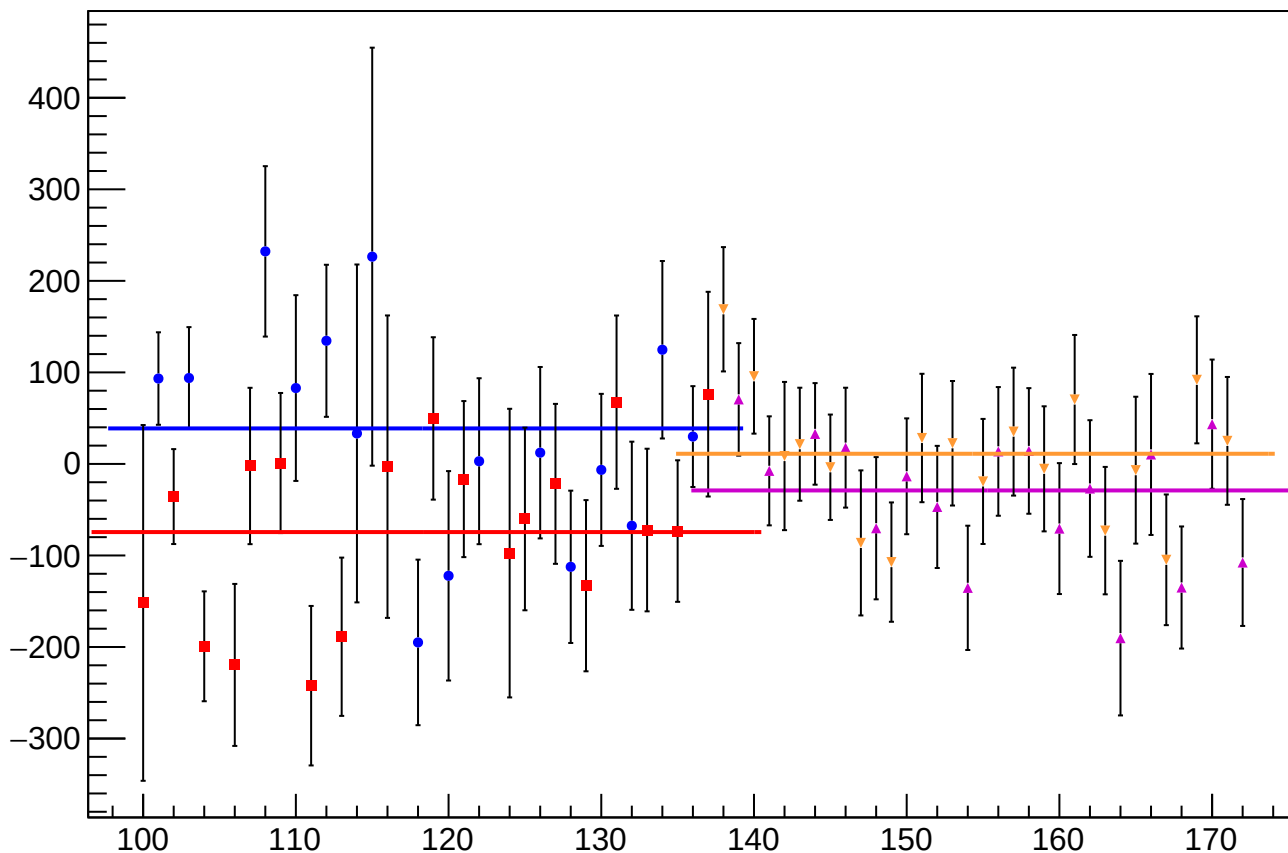
Left In: 325.371+/-0.062 χ^2/NDF : 239096.9/16

+ sign 141.202+/-0.029 χ^2/NDF : 18468598.5/33

All: 151.044+/-0.021 χ^2/NDF : 33544842.1/69

- sign 162.172+/-0.031 χ^2/NDF : 14830890.8/35

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

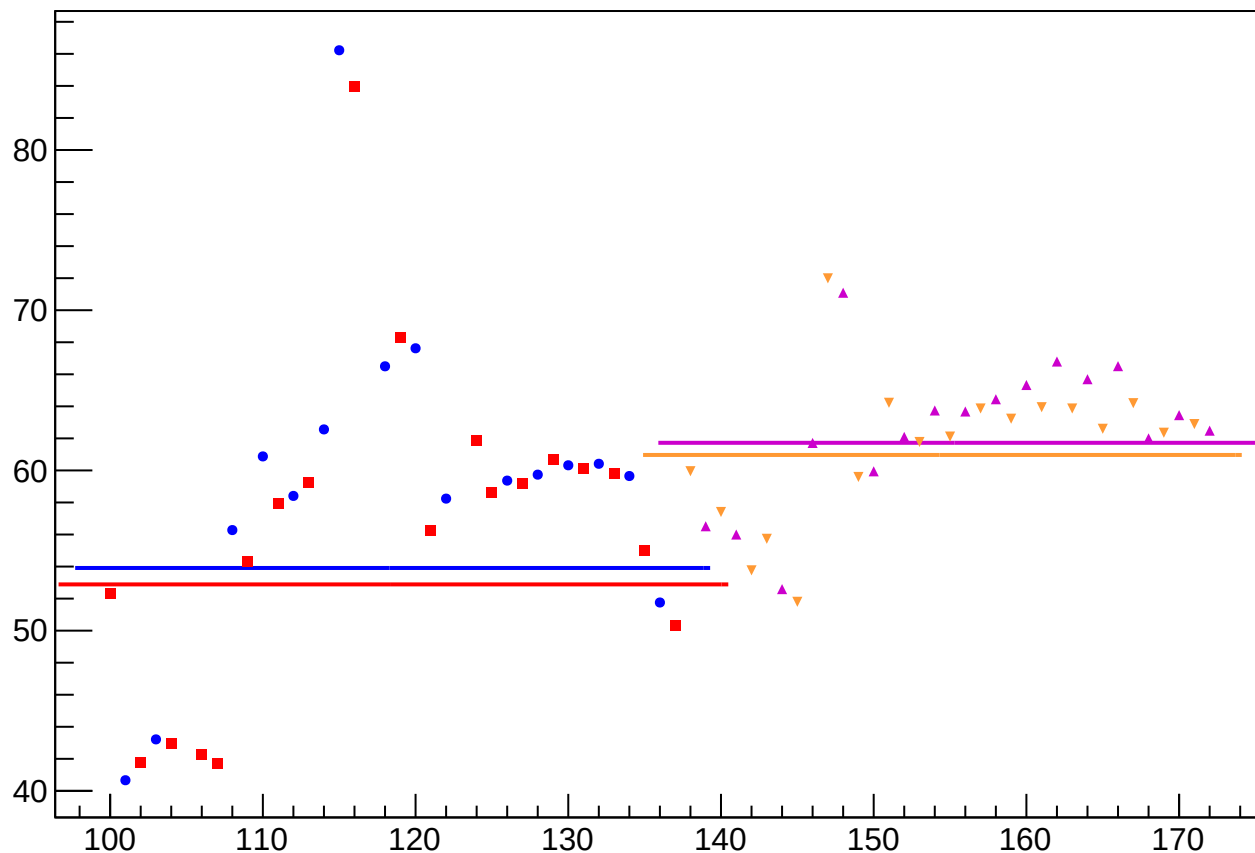
Left In: -28.959 ± 16.541 χ^2/NDF : 17.2/16

+ sign 21.810 ± 12.692 χ^2/NDF : 43.3/33

All: -12.913 ± 8.976 χ^2/NDF : 100.9/69

- sign -47.651 ± 12.695 χ^2/NDF : 42.6/35

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

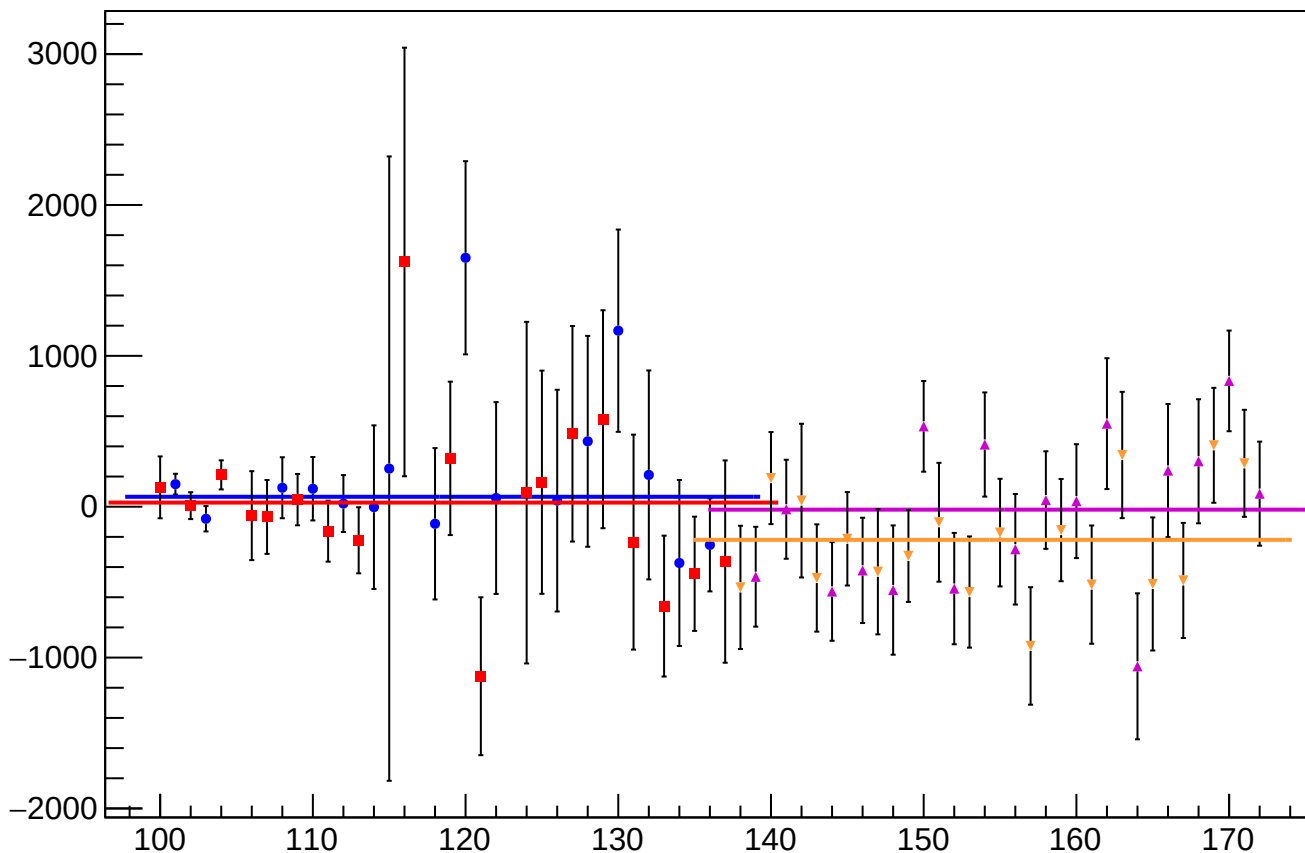
Left In: 61.724 ± 0.012 χ^2/NDF : 150332.8/16

+ sign 58.239 ± 0.009 χ^2/NDF : 692266.3/33

All: 58.166 ± 0.006 χ^2/NDF : 1502901.5/69

- sign 58.092 ± 0.009 χ^2/NDF : 810501.7/35

asym_sam_15_avg_cor_correction_mean vs Slug



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

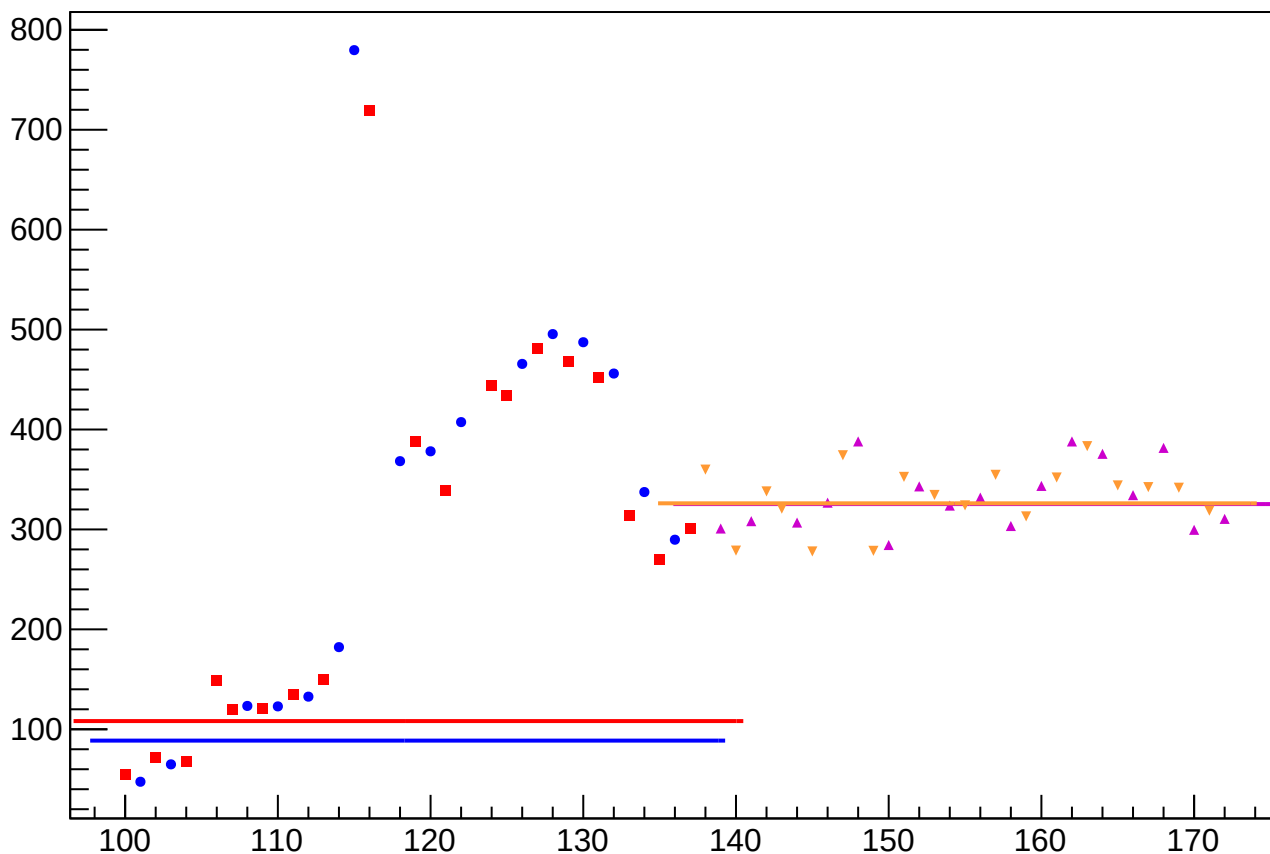
Left In: -19.528 ± 87.602 χ^2/NDF : 28.9/16

+ sign 2.698 ± 41.015 χ^2/NDF : 39.9/33

All: 8.845 ± 29.870 χ^2/NDF : 87.1/69

- sign 15.786 ± 43.587 χ^2/NDF : 47.1/35

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

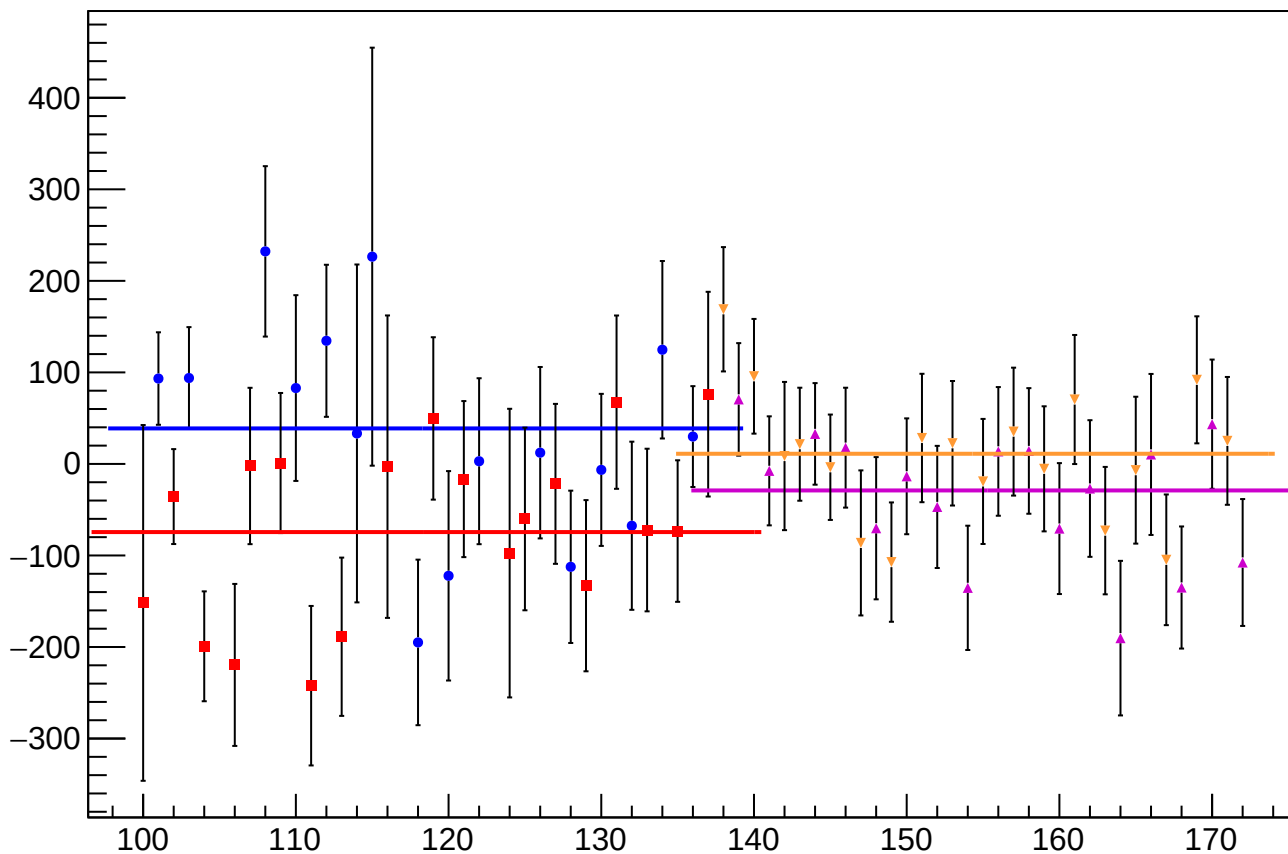
Left In: 325.371+/-0.062 χ^2/NDF : 239102.4/16

+ sign 141.198+/-0.029 χ^2/NDF : 18469041.3/33

All: 150.953+/-0.021 χ^2/NDF : 33551922.1/69

- sign 161.969+/-0.031 χ^2/NDF : 14842004.6/35

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

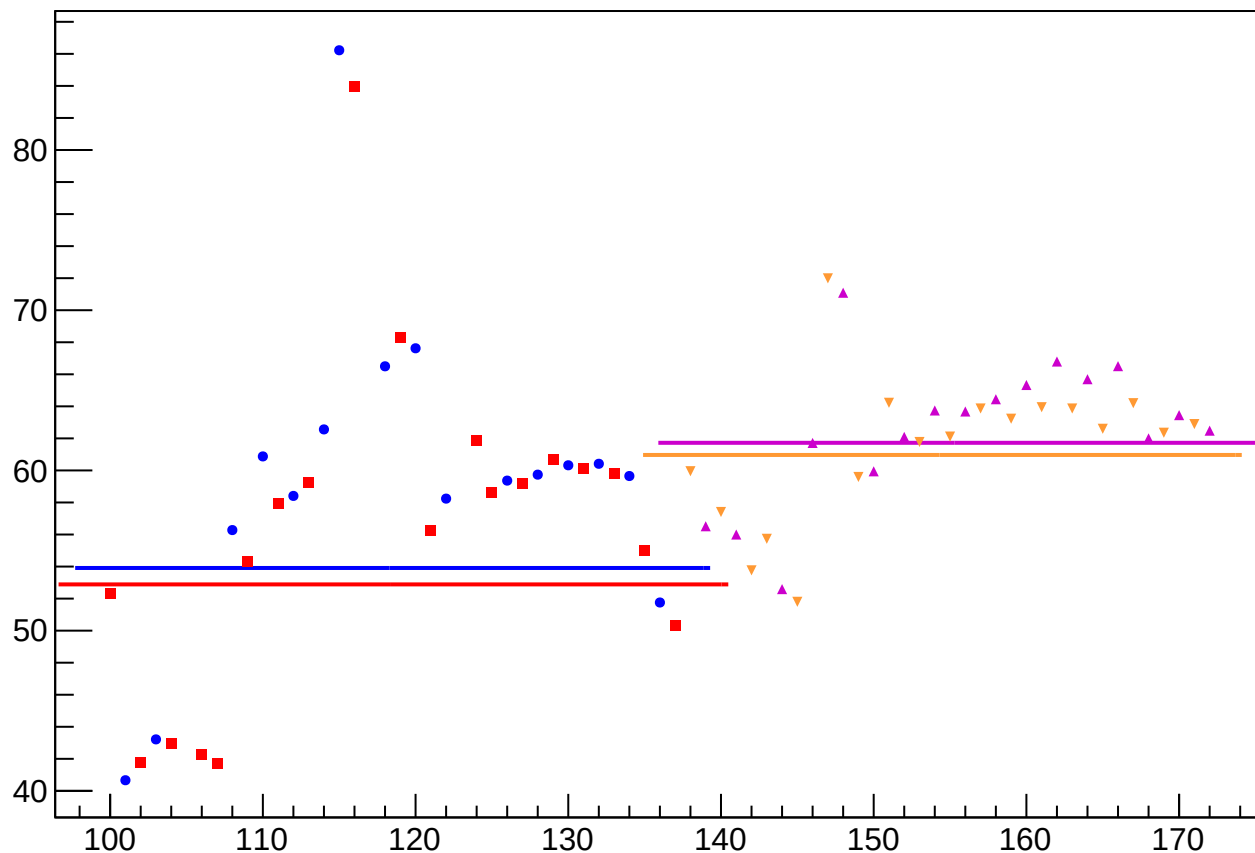
Left In: -28.959 ± 16.541 χ^2/NDF : 17.2/16

+ sign 21.810 ± 12.692 χ^2/NDF : 43.3/33

All: -12.913 ± 8.976 χ^2/NDF : 100.9/69

- sign -47.651 ± 12.695 χ^2/NDF : 42.6/35

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 53.912 $\pm$ 0.014 χ^2 /NDF: 393260.8/15

Left Out: 60.966 $\pm$ 0.011 χ^2 /NDF:152514.5/17

Right Out: 52.887 $\pm$ 0.014 χ^2 /NDF: 425534.3/18

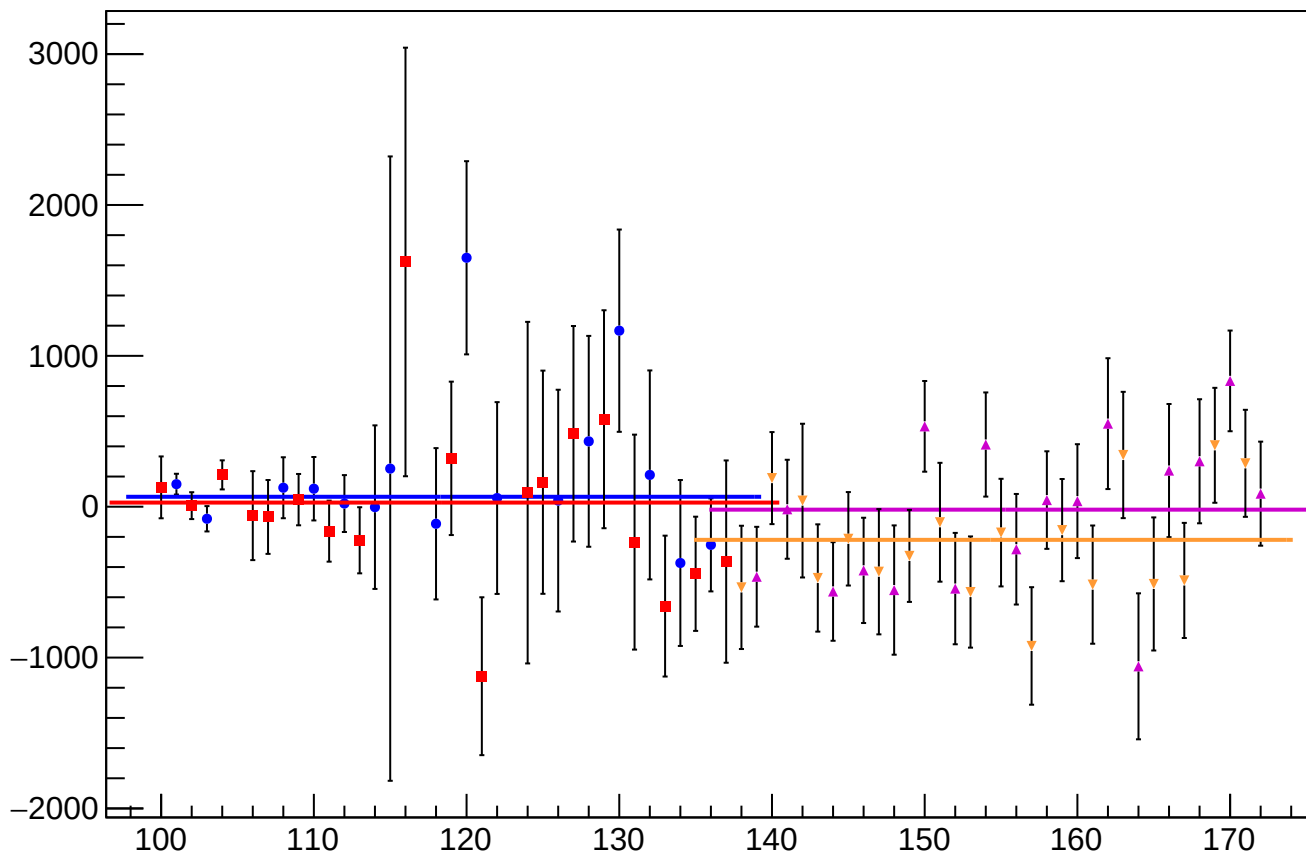
Left In: 61.724 $\pm$ 0.012 χ^2 /NDF:150332.8/16

+ sign 58.239 $\pm$ 0.009 χ^2 /NDF: 692266.3/33

All: 58.166 $\pm$ 0.006 χ^2 /NDF: 1502901.5/69

- sign 58.092 $\pm$ 0.009 χ^2 /NDF: 810501.7/35

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 65.857 $\pm$ 46.477 χ^2 /NDF: 15.7/15

Left Out: -219.600 $\pm$ 87.195 χ^2 /NDF:15.9/17

Right Out: 27.406 $\pm$ 50.249 χ^2 /NDF: 18.0/18

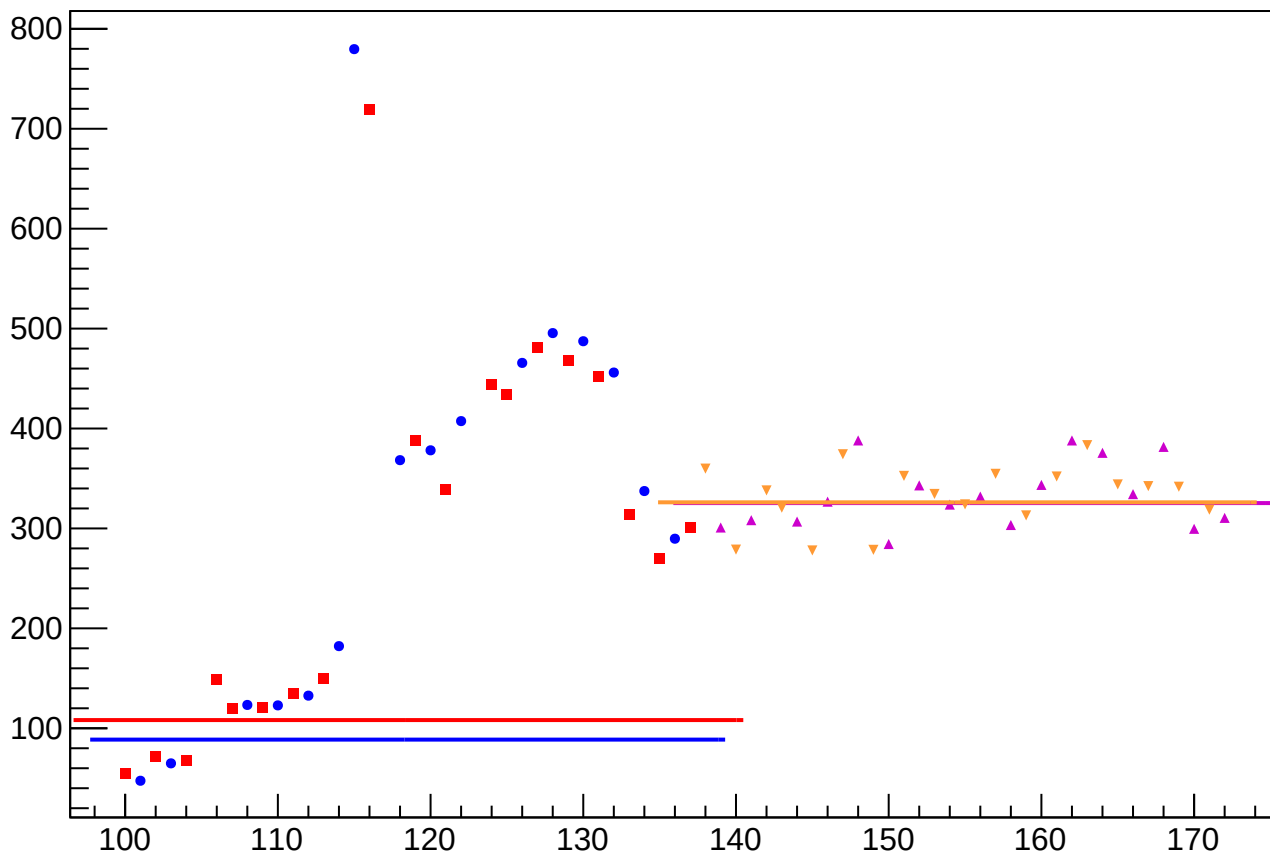
Left In: -19.528 $\pm$ 87.602 χ^2 /NDF:28.9/16

+ sign 2.698 $\pm$ 41.015 χ^2 /NDF: 39.9/33

All: 8.845 $\pm$ 29.870 χ^2 /NDF: 87.1/69

- sign 15.786 $\pm$ 43.587 χ^2 /NDF: 47.1/35

asym_sam_15_avg_eigen_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

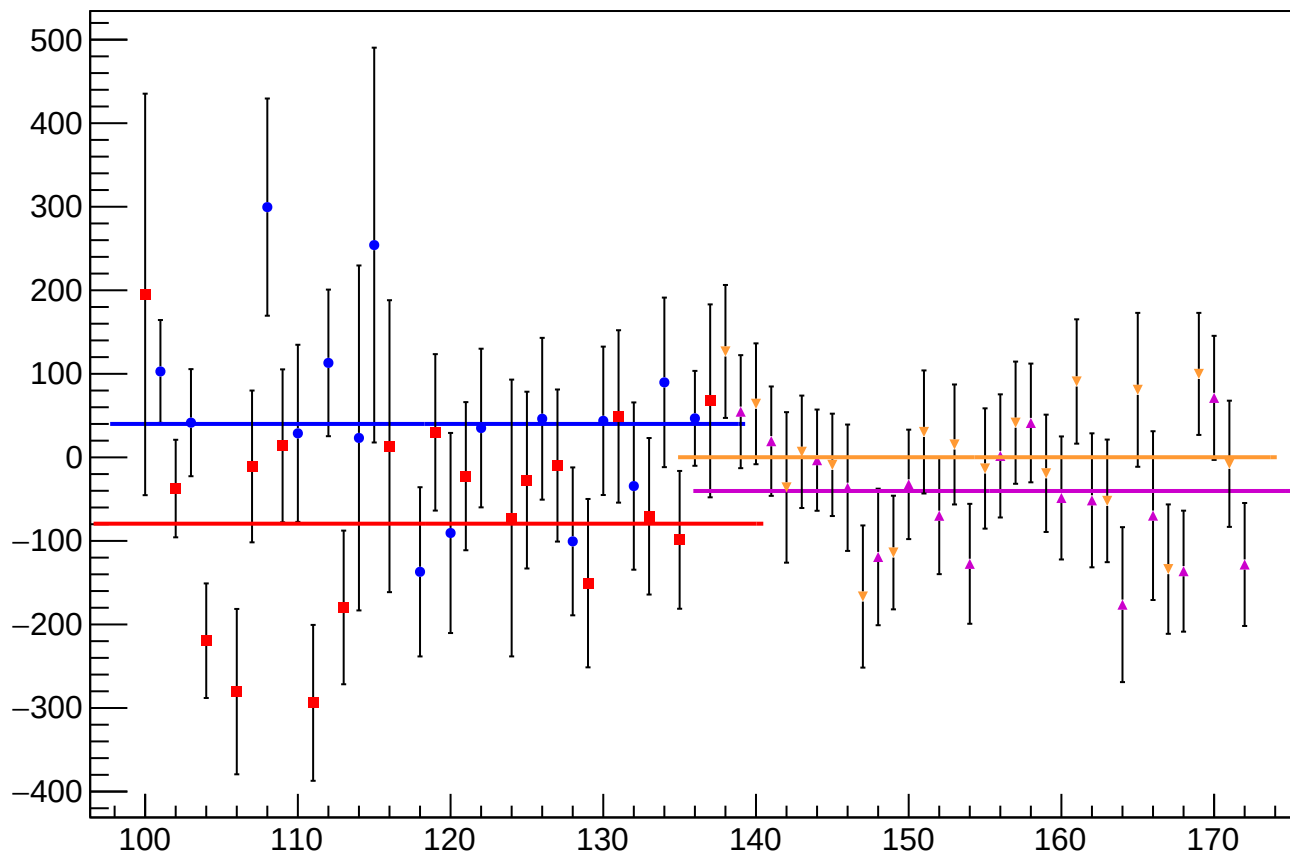
Left In: 325.371+/-0.062 χ^2 /NDF: 239102.4/16

+ sign 141.198+/-0.029 χ^2 /NDF: 18469041.3/33

All: 150.953+/-0.021 χ^2 /NDF: 33551922.1/69

- sign 161.969+/-0.031 χ^2 /NDF: 14842004.6/35

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

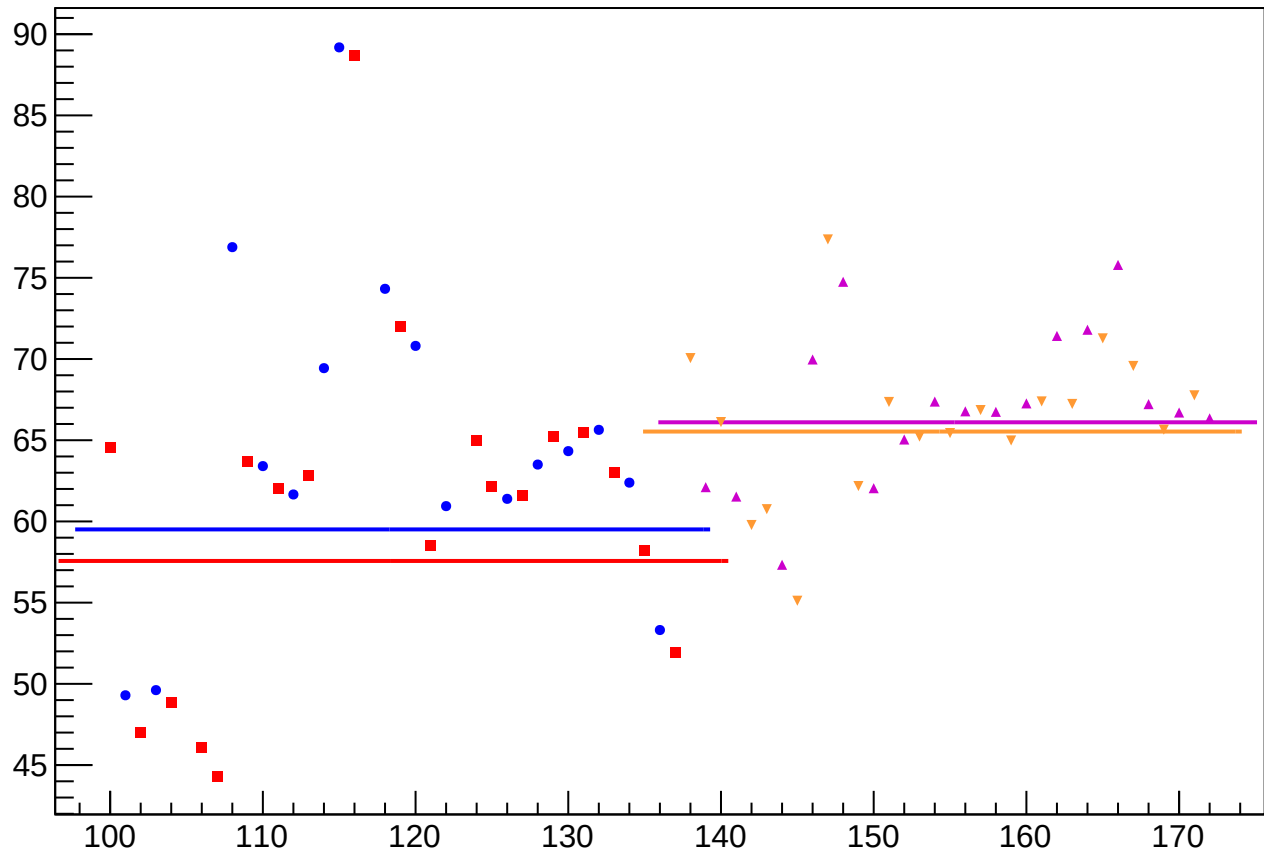
Left In: -40.236 ± 17.751 χ^2/NDF : 15.1/16

+ sign 15.120 ± 13.787 χ^2/NDF : 34.5/33

All: -20.660 ± 9.721 χ^2/NDF : 89.8/69

- sign -56.035 ± 13.708 χ^2/NDF : 41.9/35

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

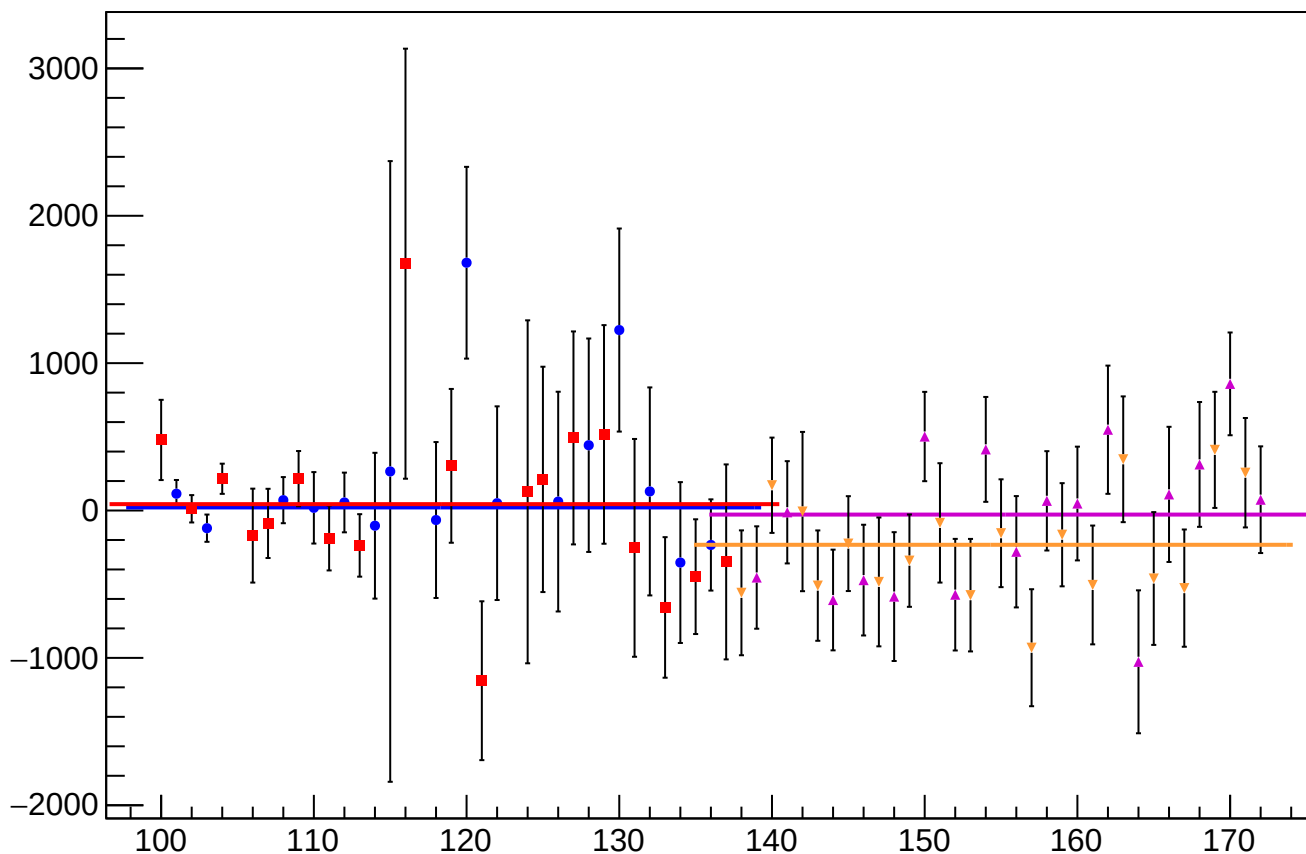
Left In: 66.104+/-0.013 χ^2/NDF : 131280.4/16

+ sign 63.275+/-0.010 χ^2/NDF : 518221.0/33

All: 62.965+/-0.007 χ^2/NDF : 1185622.8/69

- sign 62.658+/-0.010 χ^2/NDF : 665390.3/35

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 20.840 $\pm$ 53.585 χ^2 /NDF: 14.6/15

Left Out: -232.571 $\pm$ 90.426 χ^2 /NDF: 15.0/17

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

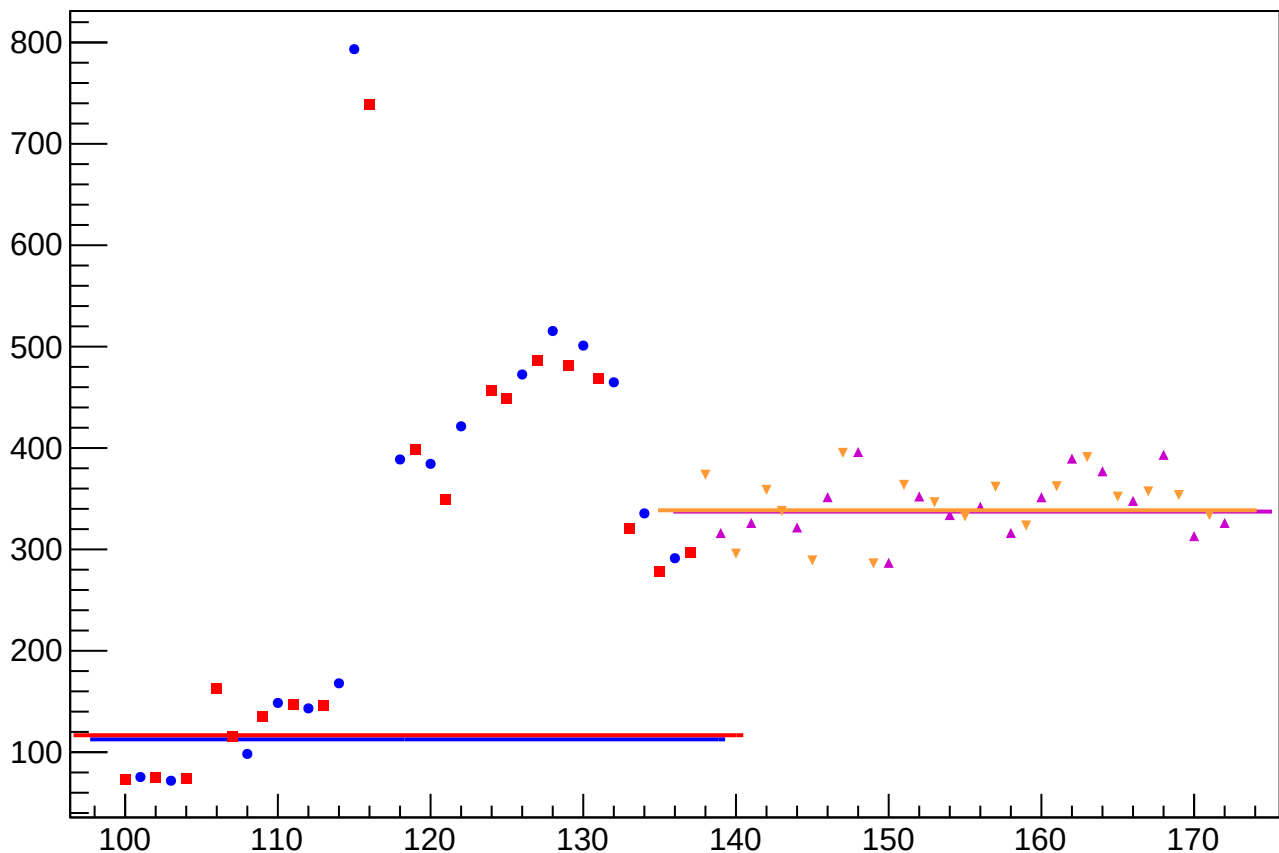
Left In: -27.587 $\pm$ 90.727 χ^2 /NDF: 27.9/16

+ sign -45.020 $\pm$ 46.099 χ^2 /NDF: 35.4/33

All: -9.793 $\pm$ 32.526 χ^2 /NDF: 86.4/69

- sign 25.129 $\pm$ 45.899 χ^2 /NDF: 49.9/35

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 112.668 $\pm$ 0.038 χ^2 /NDF: 5599655.1/15

Left Out: 338.599 $\pm$ 0.064 χ^2 /NDF: 254060.2/17

Right Out: 116.733 $\pm$ 0.038 χ^2 /NDF: 5141387.7/18

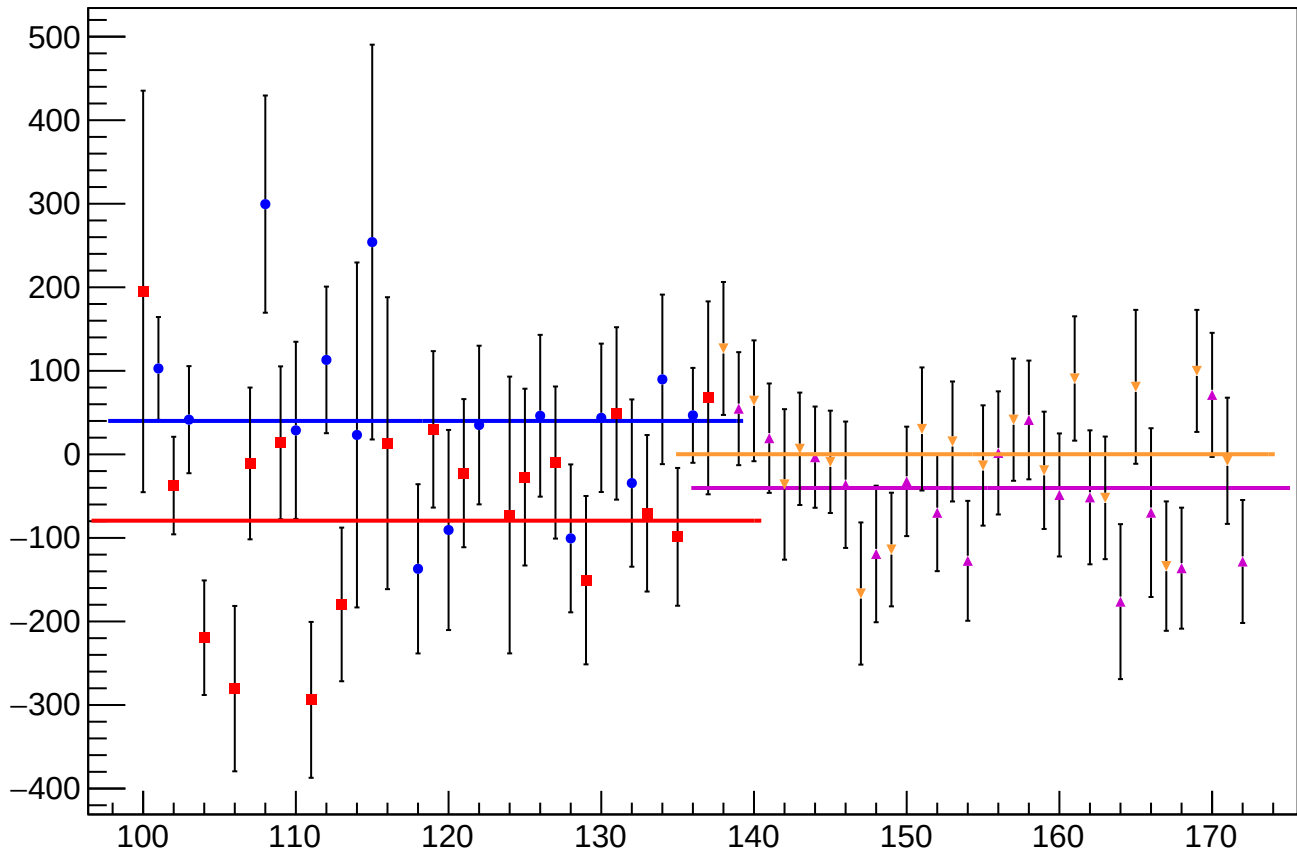
Left In: 337.319 $\pm$ 0.064 χ^2 /NDF: 212151.0/16

+ sign 171.386 $\pm$ 0.033 χ^2 /NDF: 15094048.4/33

All: 172.291 $\pm$ 0.023 χ^2 /NDF: 29245939.2/69

- sign 173.188 $\pm$ 0.032 χ^2 /NDF: 14150355.7/35

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

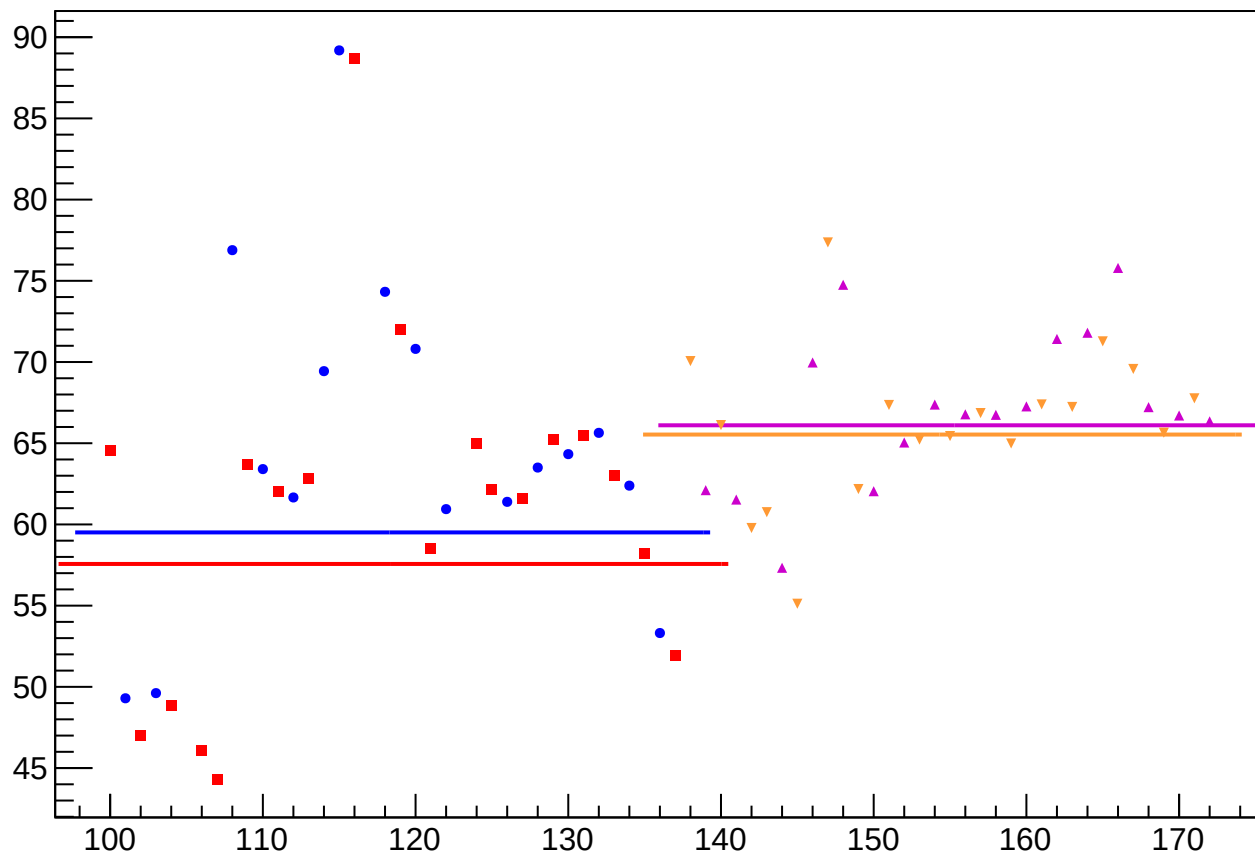
Left In: -40.236+/-17.751 χ^2/NDF : 15.1/16

+ sign 15.121+/-13.787 χ^2/NDF : 34.5/33

All: -20.660+/-9.721 χ^2/NDF : 89.8/69

- sign -56.035+/-13.708 χ^2/NDF : 41.9/35

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

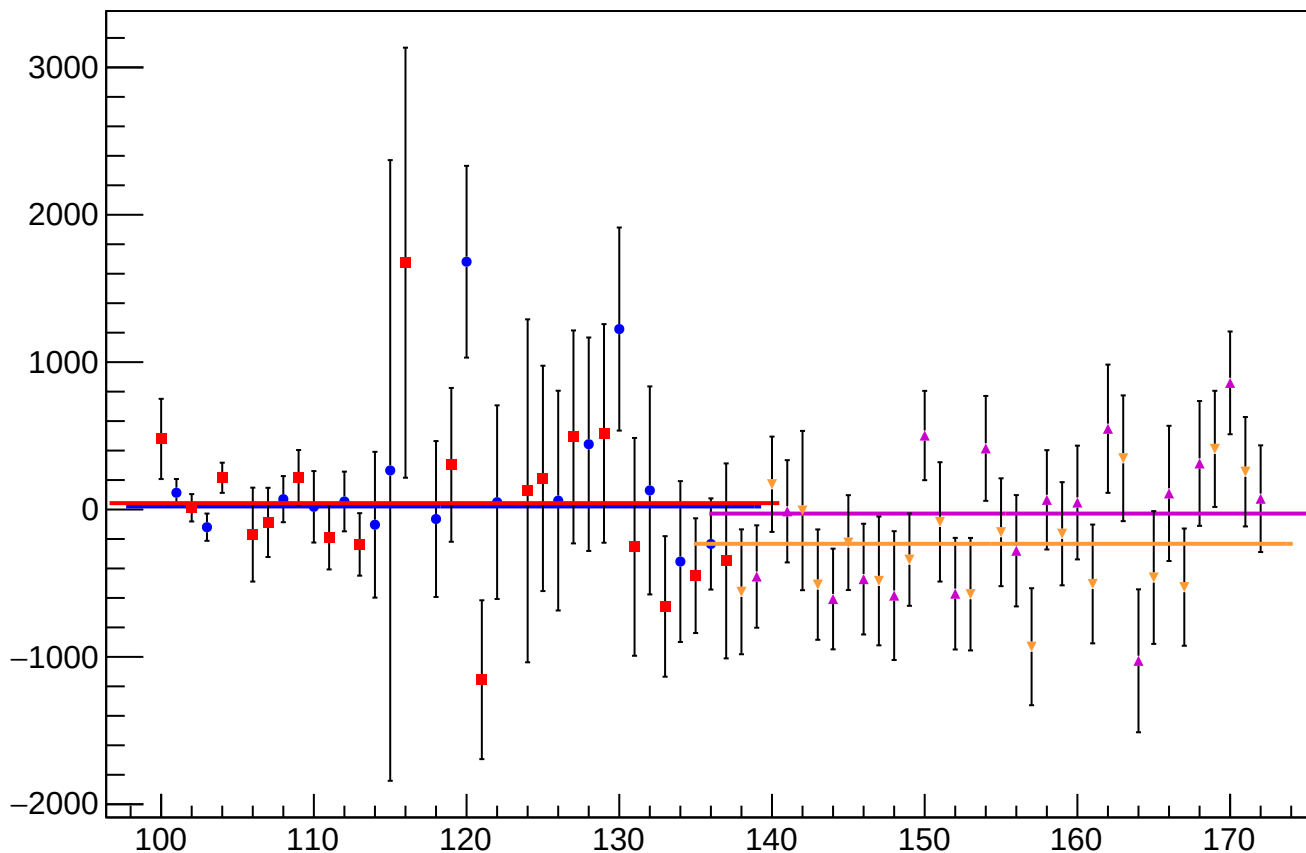
Left In: 66.104+/-0.013 χ^2/NDF : 131276.5/16

+ sign 63.275+/-0.010 χ^2/NDF : 518226.4/33

All: 62.965+/-0.007 χ^2/NDF : 1185630.7/69

- sign 62.658+/-0.010 χ^2/NDF : 665392.8/35

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 20.840 $\pm$ 53.585 χ^2 /NDF: 14.6/15

Left Out: -232.570 $\pm$ 90.426 χ^2 /NDF: 15.0/17

Right Out: 43.262 $\pm$ 53.210 χ^2 /NDF: 21.5/18

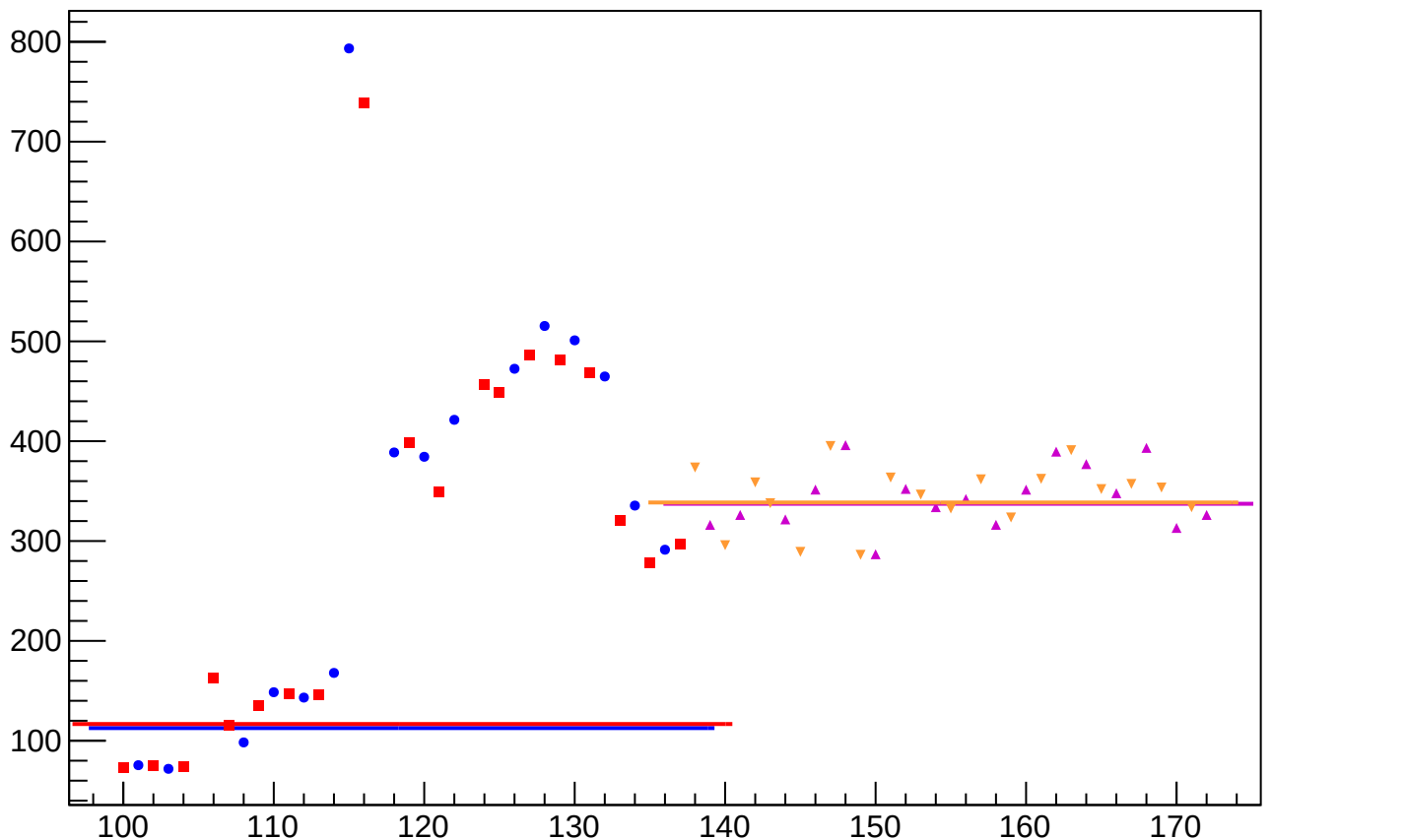
Left In: -27.587 $\pm$ 90.727 χ^2 /NDF: 27.9/16

+ sign -45.019 $\pm$ 46.099 χ^2 /NDF: 35.4/33

All: -9.792 $\pm$ 32.526 χ^2 /NDF: 86.4/69

- sign 25.129 $\pm$ 45.899 χ^2 /NDF: 49.9/35

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 112.668 $\pm$ 0.038 χ^2 /NDF: 5599653.6/15

Left Out: 338.600 $\pm$ 0.064 χ^2 /NDF: 254058.7/17

Right Out: 116.732 $\pm$ 0.038 χ^2 /NDF: 5141390.3/18

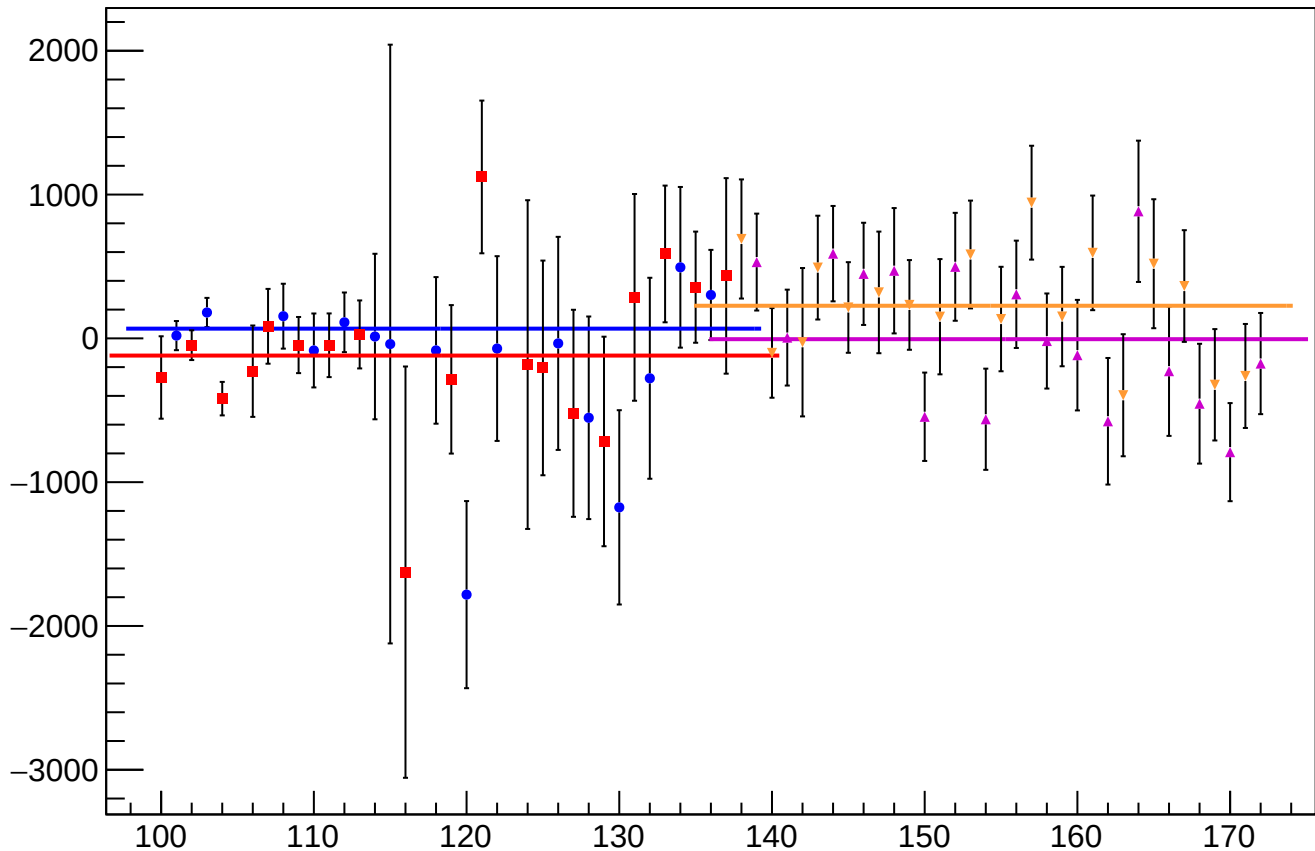
Left In: 337.320 $\pm$ 0.064 χ^2 /NDF: 212145.4/16

+ sign 171.386 $\pm$ 0.033 χ^2 /NDF: 15094101.6/33

All: 172.291 $\pm$ 0.023 χ^2 /NDF: 29246057.7/69

- sign 173.188 $\pm$ 0.032 χ^2 /NDF: 14150421.3/35

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

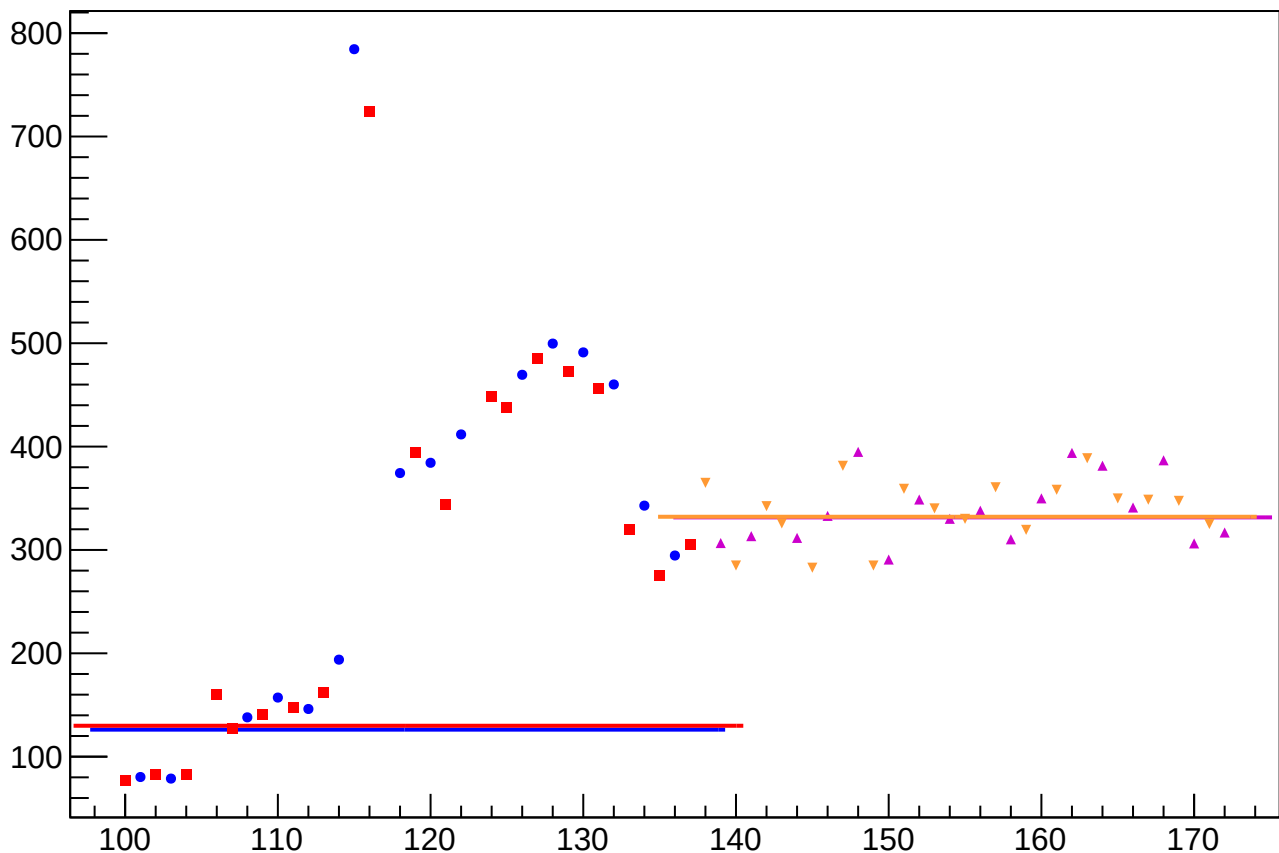
Left In: -5.644 ± 89.223 χ^2/NDF : 28.6/16

+ sign 116.594 ± 49.233 χ^2/NDF : 32.9/33

All: 14.064 ± 34.585 χ^2/NDF : 92.4/69

- sign -85.822 ± 48.594 χ^2/NDF : 50.9/35

asym_sam_15_avg_rms vs Slug



Right In: 126.154 $\pm$ 0.042 χ^2 /NDF: 5220128.2/15

Left Out: 332.114 $\pm$ 0.063 χ^2 /NDF: 259620.1/17

Right Out: 129.914 $\pm$ 0.041 χ^2 /NDF: 4647677.8/18

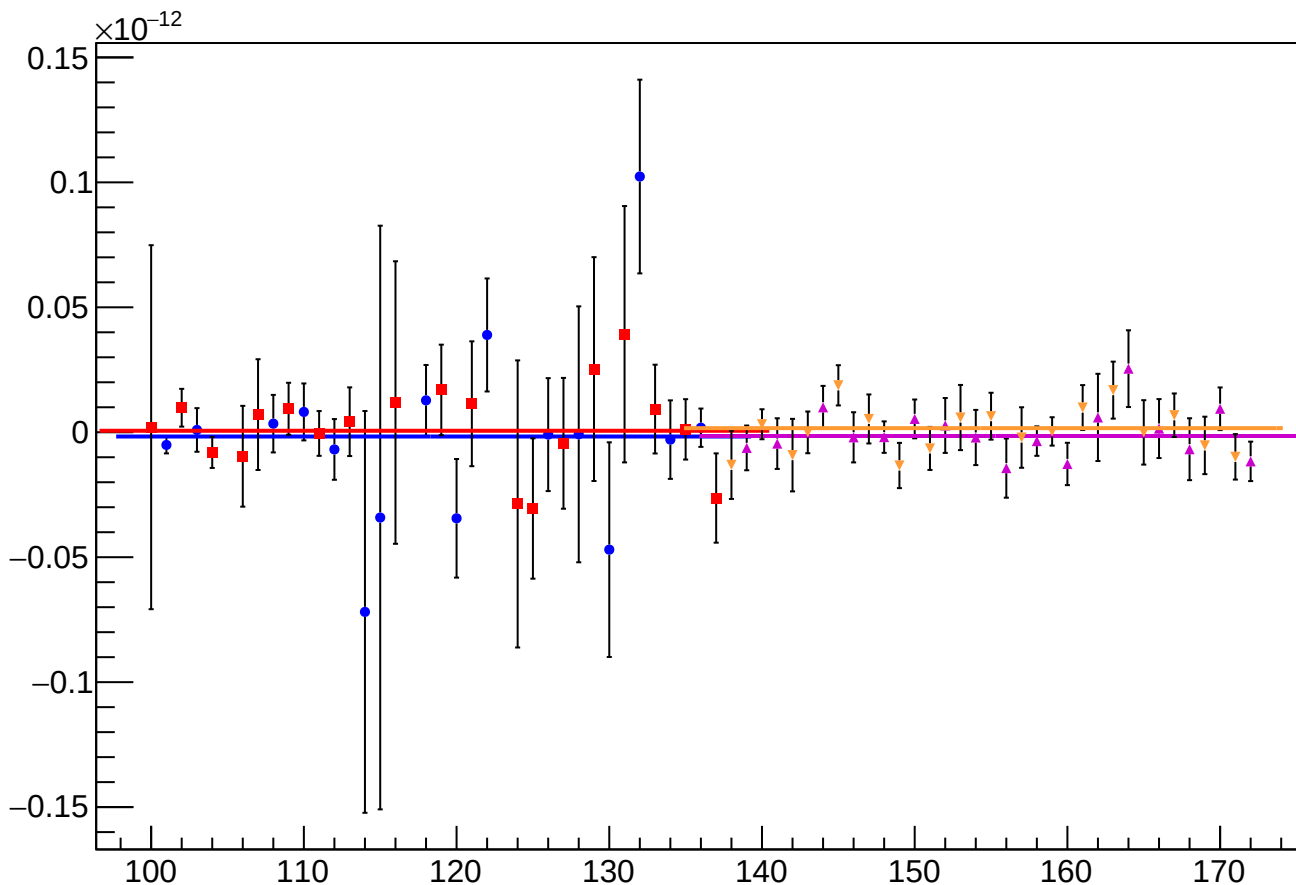
Left In: 331.511 $\pm$ 0.063 χ^2 /NDF: 230493.4/16

+ sign 189.520 $\pm$ 0.035 χ^2 /NDF: 12935397.5/33

All: 189.618 $\pm$ 0.024 χ^2 /NDF: 24995330.5/69

- sign 189.713 $\pm$ 0.034 χ^2 /NDF: 12059917.4/35

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.5/18

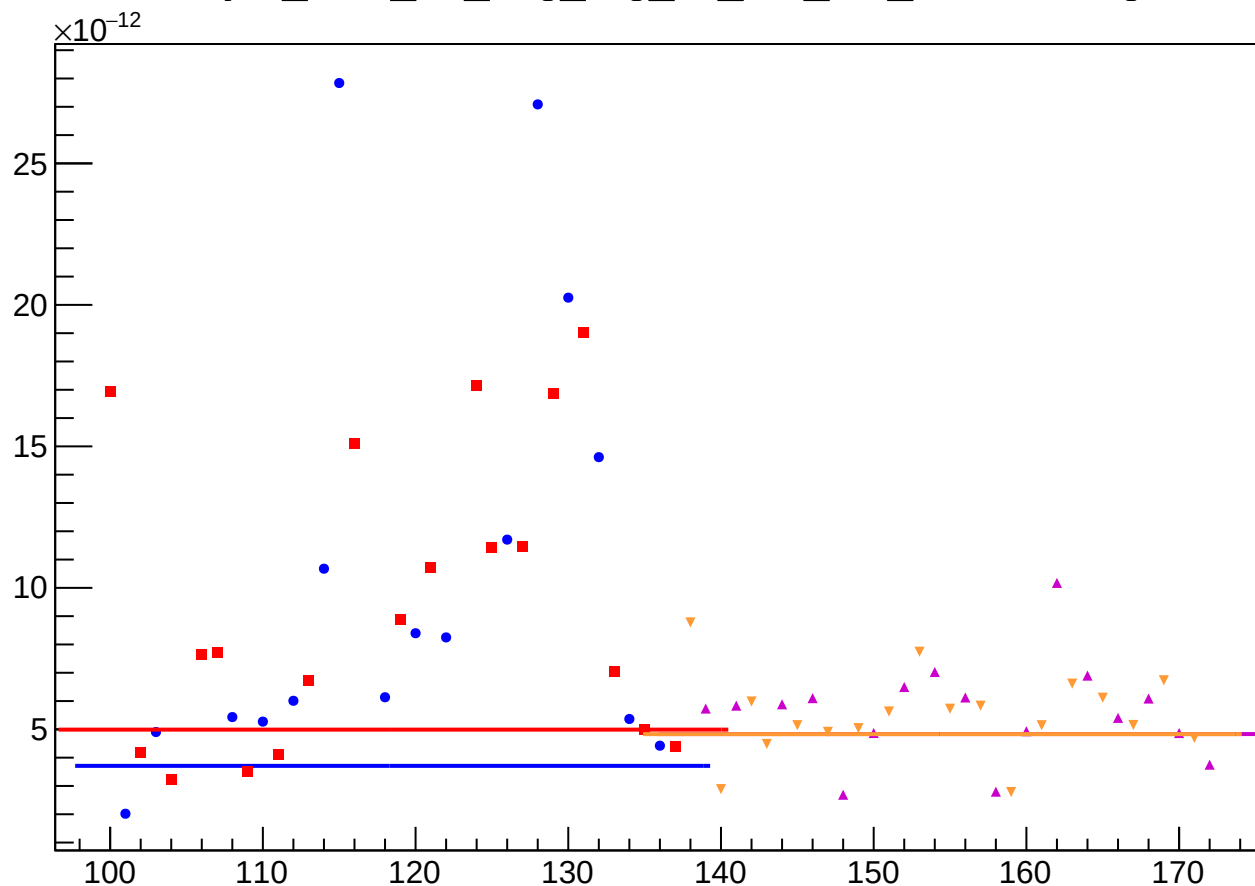
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.3/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 58.3/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/35

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 936051.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1295374.6/18

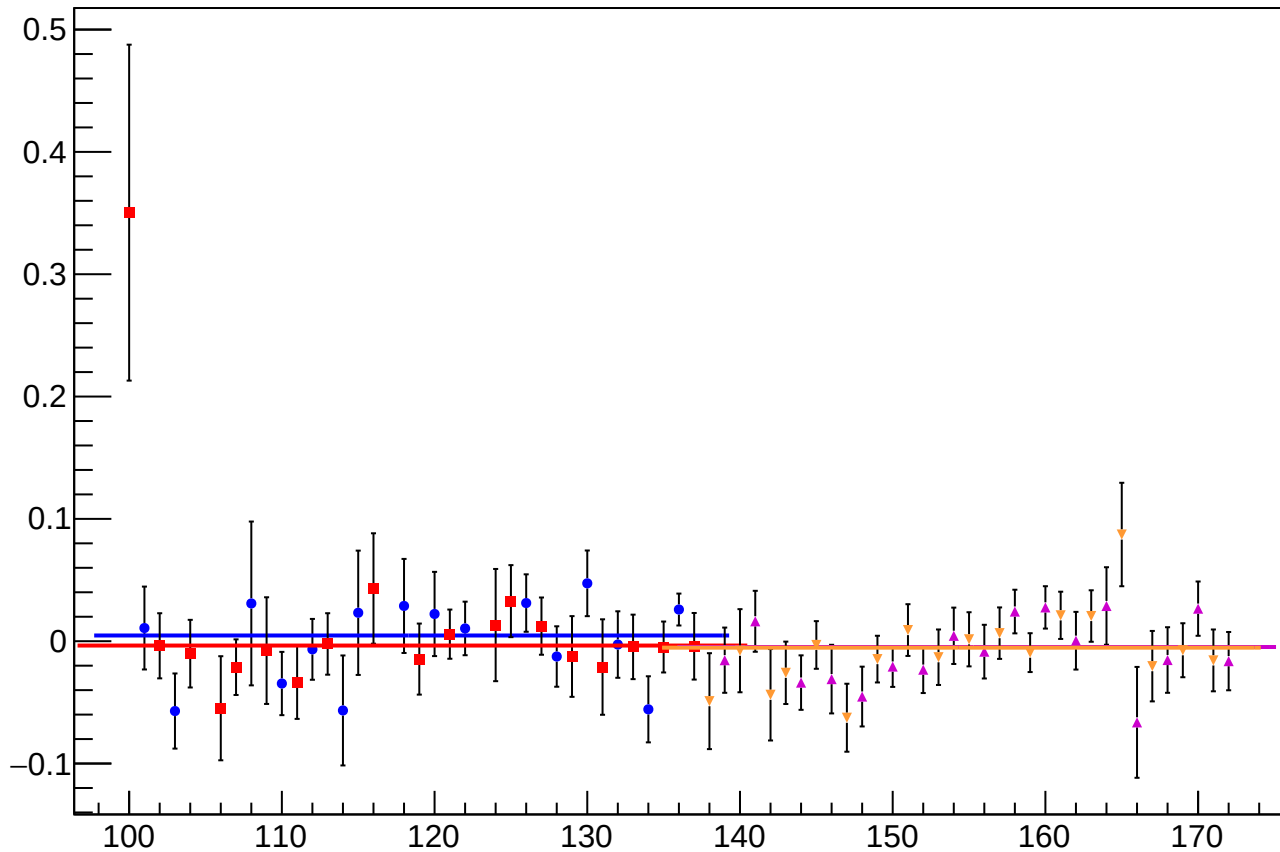
Left In: 0.000+/-0.000 χ^2/NDF : 1007838.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 3337083.8/33

All: 0.000+/-0.000 χ^2/NDF : 5734485.0/69

- sign 0.000+/-0.000 χ^2/NDF : 2306446.6/35

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

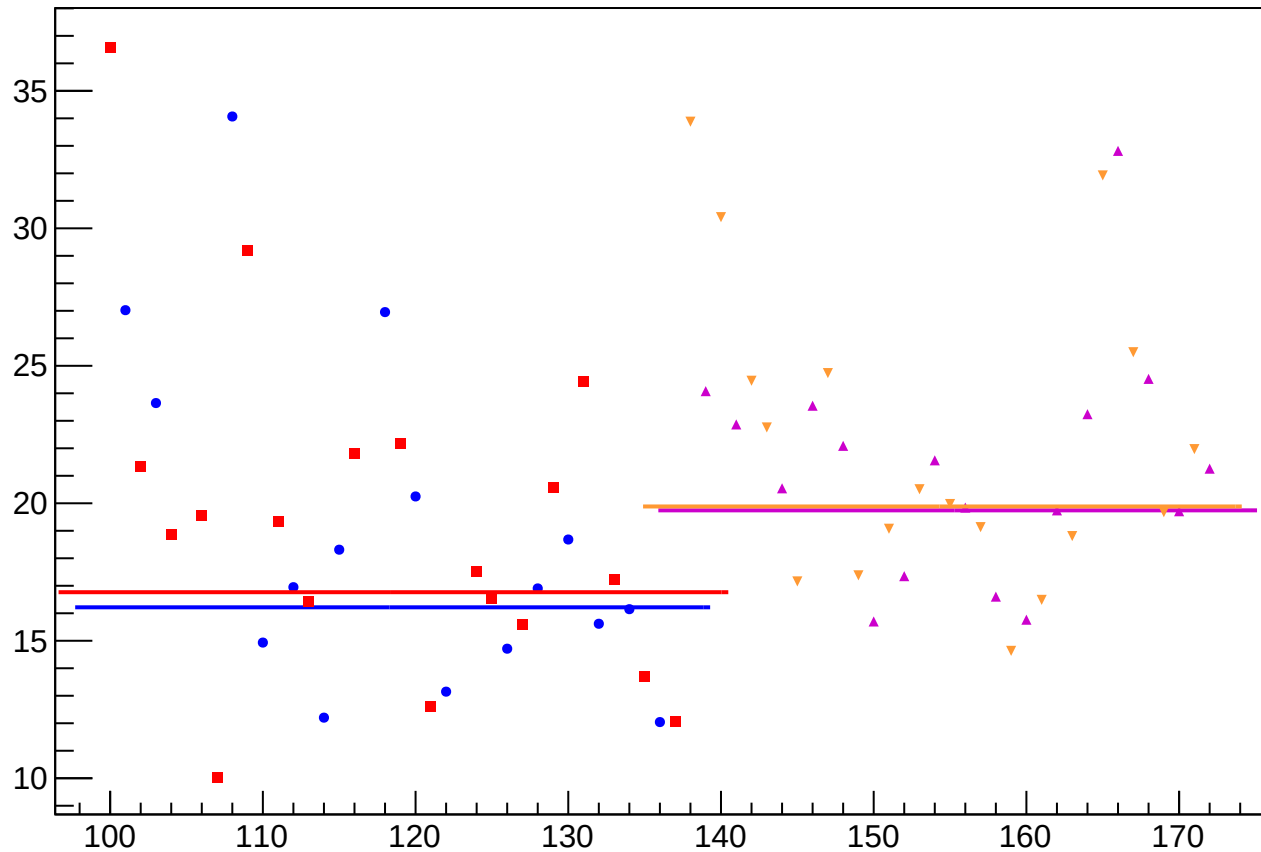
Left In: -0.005 ± 0.005 χ^2/NDF : 19.8/16

+ sign -0.001 ± 0.004 χ^2/NDF : 40.0/33

All: -0.003 ± 0.003 χ^2/NDF : 73.6/69

- sign -0.004 ± 0.004 χ^2/NDF : 33.4/35

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.217 $\pm$ 0.005 χ^2/NDF : 943864.9/15

Left Out: 19.884 $\pm$ 0.004 χ^2/NDF : 1181142.0/17

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866715.7/18

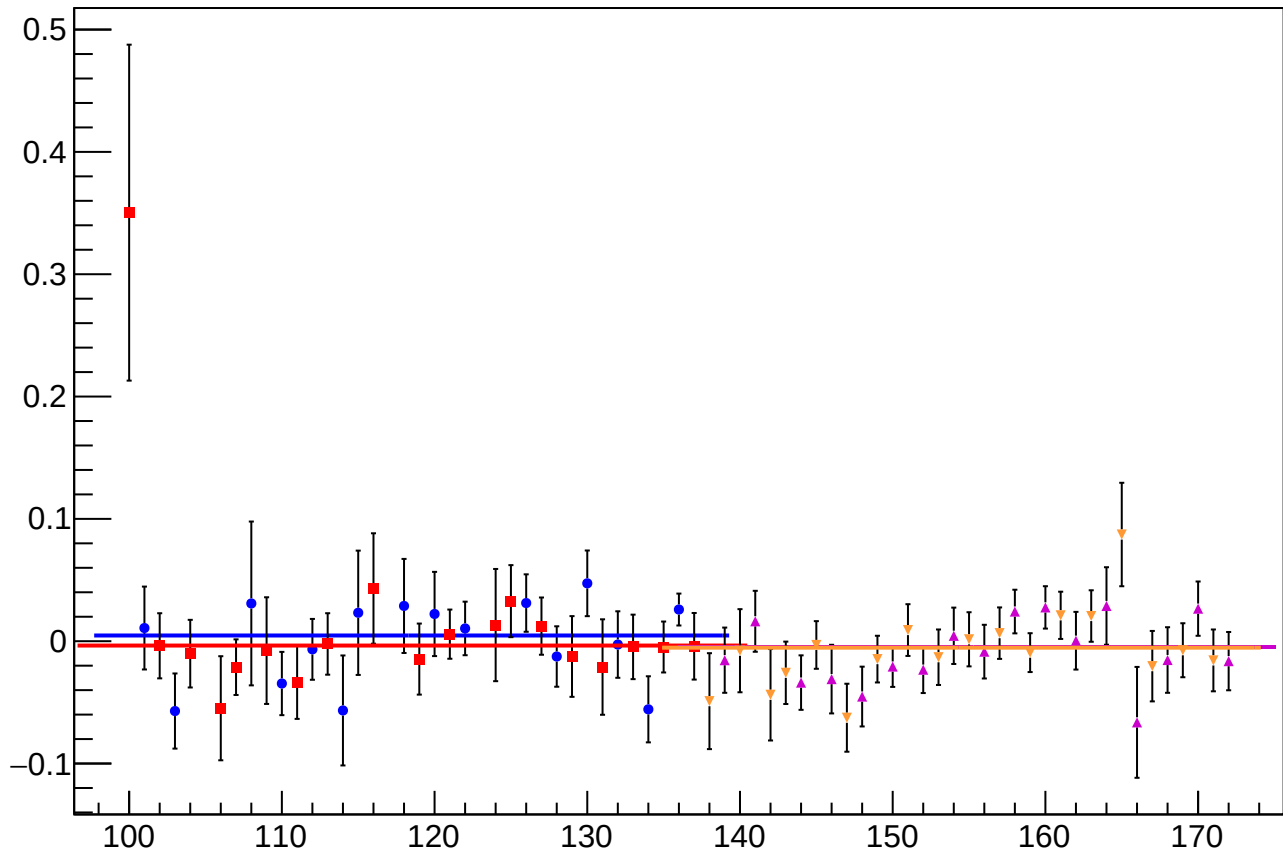
Left In: 19.743 $\pm$ 0.004 χ^2/NDF : 734037.3/16

+ sign 18.376 $\pm$ 0.003 χ^2/NDF : 2492494.0/33

All: 18.454 $\pm$ 0.002 χ^2/NDF : 4334123.5/69

- sign 18.533 $\pm$ 0.003 χ^2/NDF : 1840249.3/35

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

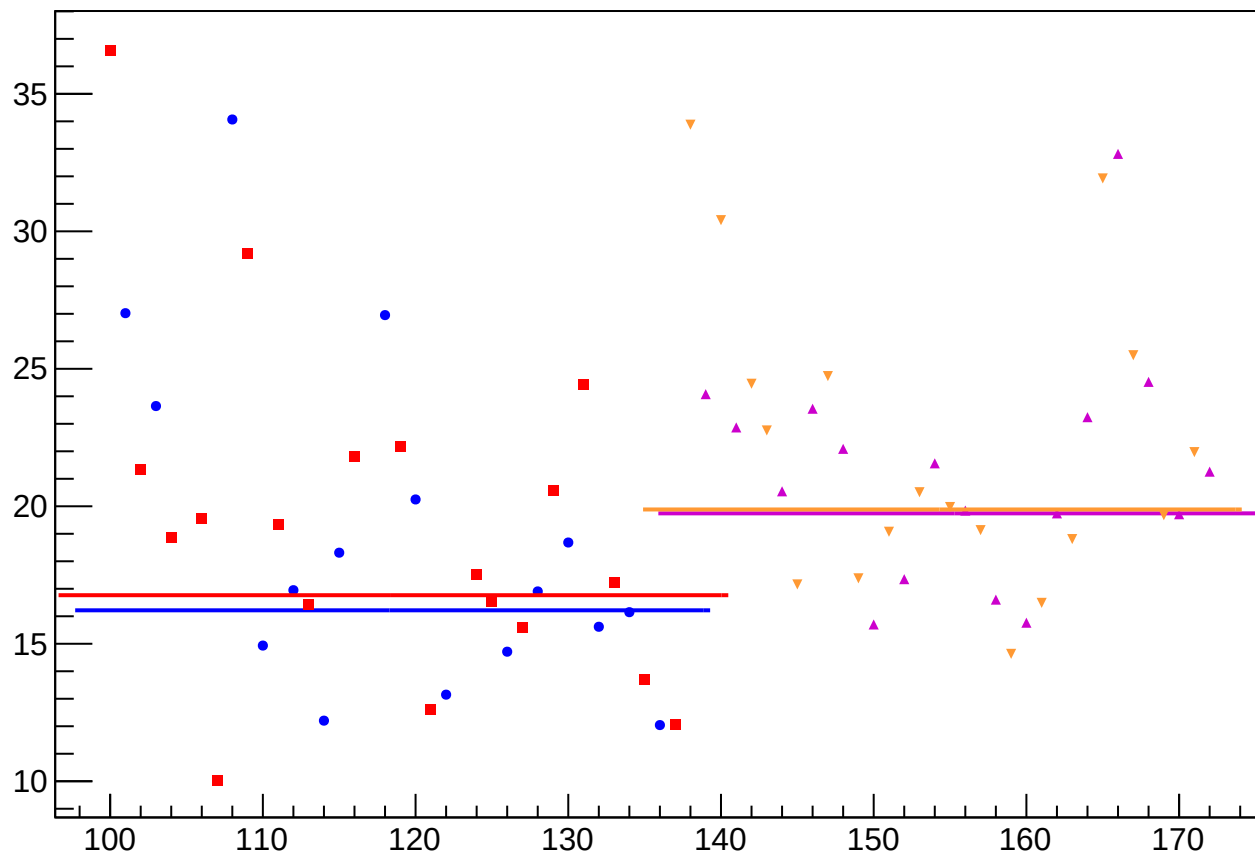
Left In: -0.005+/-0.005 χ^2/NDF : 19.8/16

+ sign -0.001+/-0.004 χ^2/NDF : 40.0/33

All: -0.003+/-0.003 χ^2/NDF : 73.6/69

- sign -0.004+/-0.004 χ^2/NDF : 33.4/35

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.217 $\pm$ 0.005 χ^2/NDF : 943864.9/15

Left Out: 19.884 $\pm$ 0.004 χ^2/NDF : 1181142.0/17

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866715.7/18

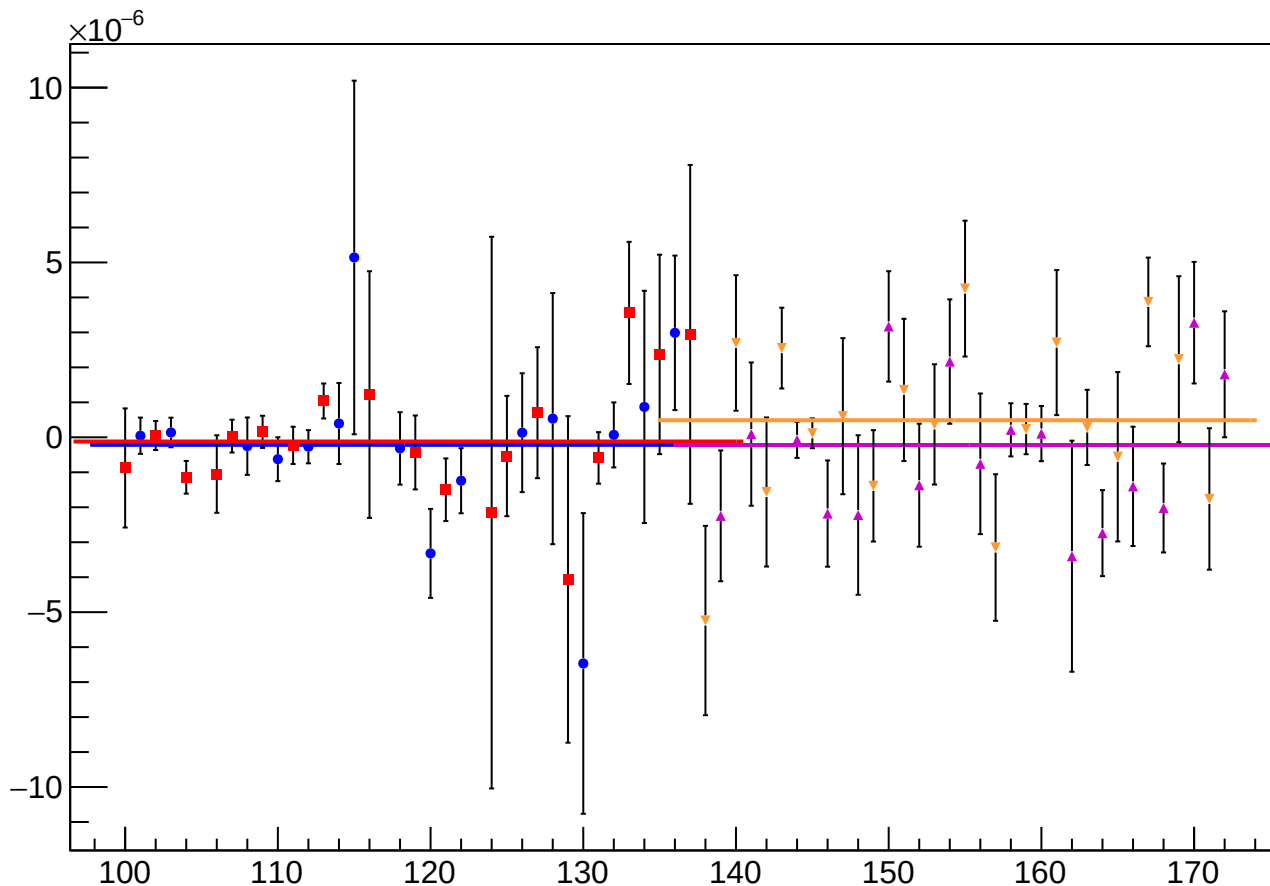
Left In: 19.743 $\pm$ 0.004 χ^2/NDF : 734037.3/16

+ sign 18.376 $\pm$ 0.003 χ^2/NDF : 2492494.0/33

All: 18.454 $\pm$ 0.002 χ^2/NDF : 4334123.5/69

- sign 18.533 $\pm$ 0.003 χ^2/NDF : 1840249.3/35

asym_sam_15_avg_eigen_dit_vs_dit_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 : 29.4/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.2/18

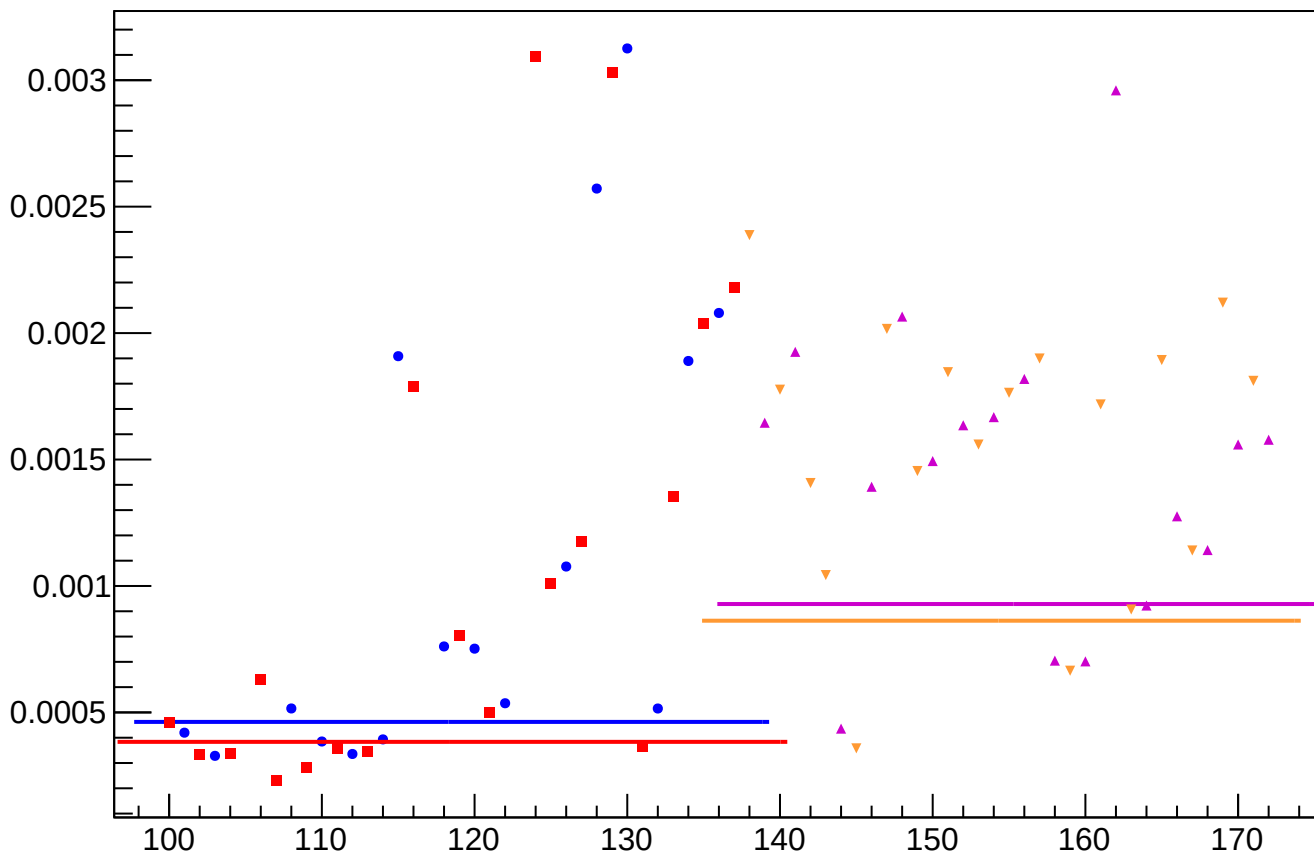
Left In: -0.000 ± 0.000 χ^2/NDF : 24.1/16

+ sign 0.000 ± 0.000 χ^2/NDF : 48.0/33

All: -0.000 ± 0.000 χ^2/NDF : 93.0/69

- sign -0.000 ± 0.000 χ^2/NDF : 44.4/35

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 4015939.2/15

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 8543482.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4058129.5/18

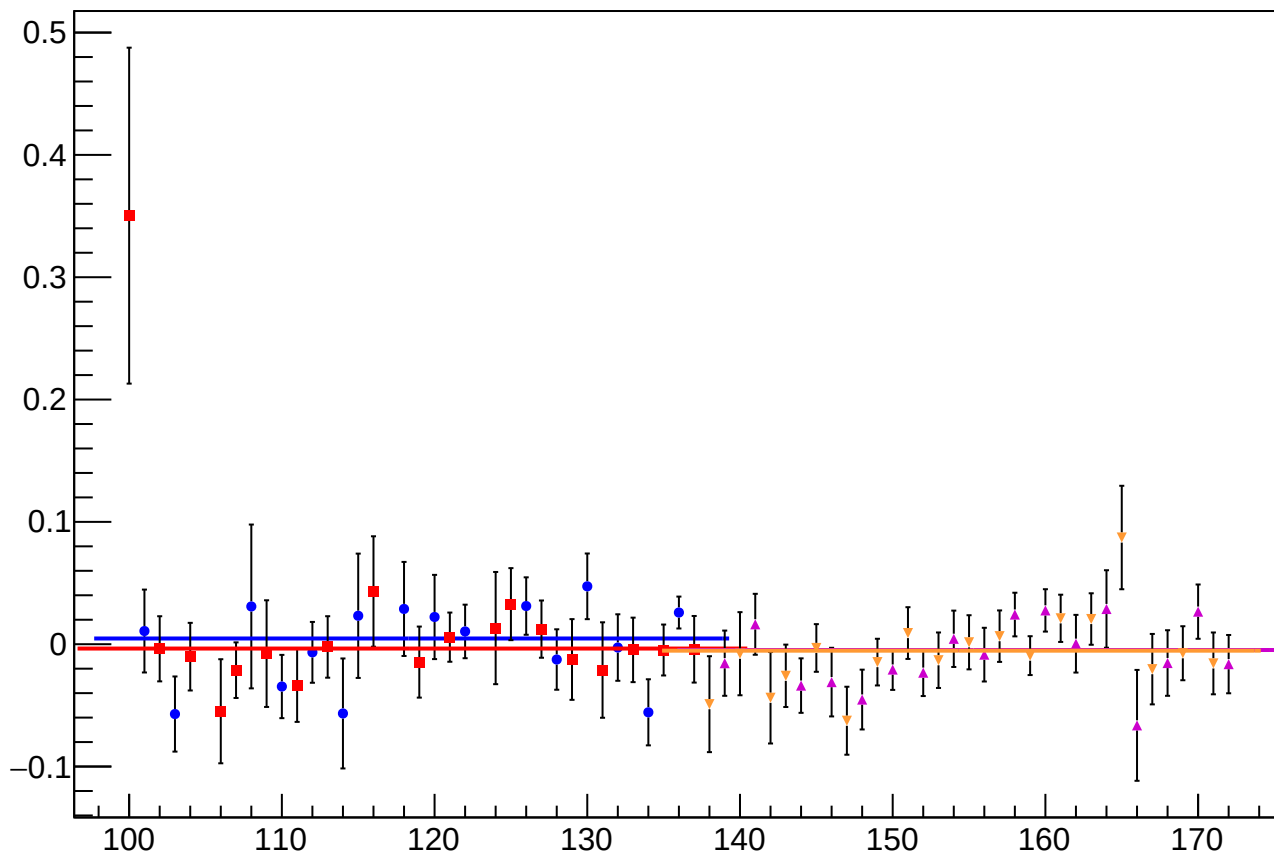
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 6360651.3/16

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 15199558.9/33

All: 0.001 $\pm$ 0.000 χ^2/NDF : 31085425.6/69

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 15639780.9/35

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

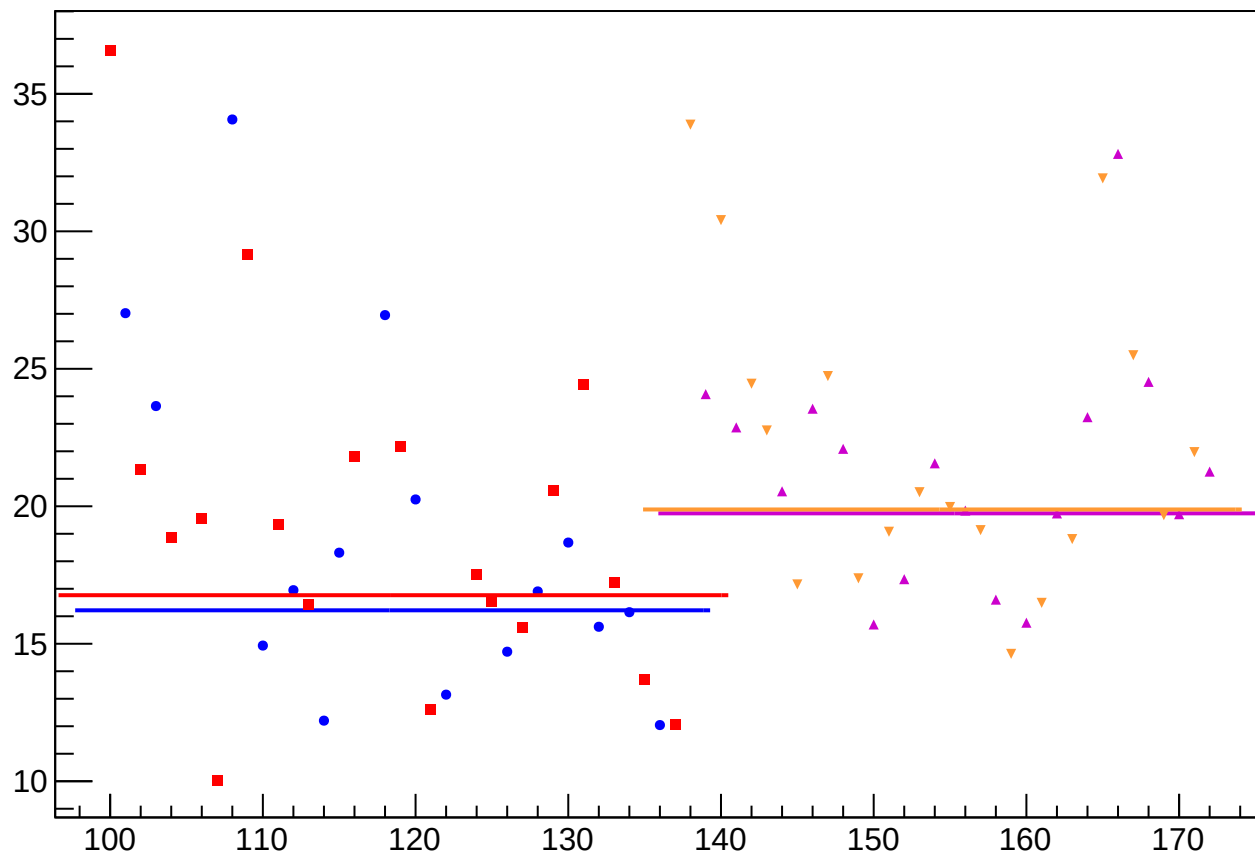
Left In: -0.005 ± 0.005 χ^2/NDF : 19.8/16

+ sign -0.001 ± 0.004 χ^2/NDF : 40.0/33

All: -0.003 ± 0.003 χ^2/NDF : 73.6/69

- sign -0.004 ± 0.004 χ^2/NDF : 33.4/35

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.216 $\pm$ 0.005 χ^2/NDF : 943830.6/15

Left Out: 19.884 $\pm$ 0.004 χ^2/NDF : 1181248.0/17

Right Out: 16.766 $\pm$ 0.005 χ^2/NDF : 866705.3/18

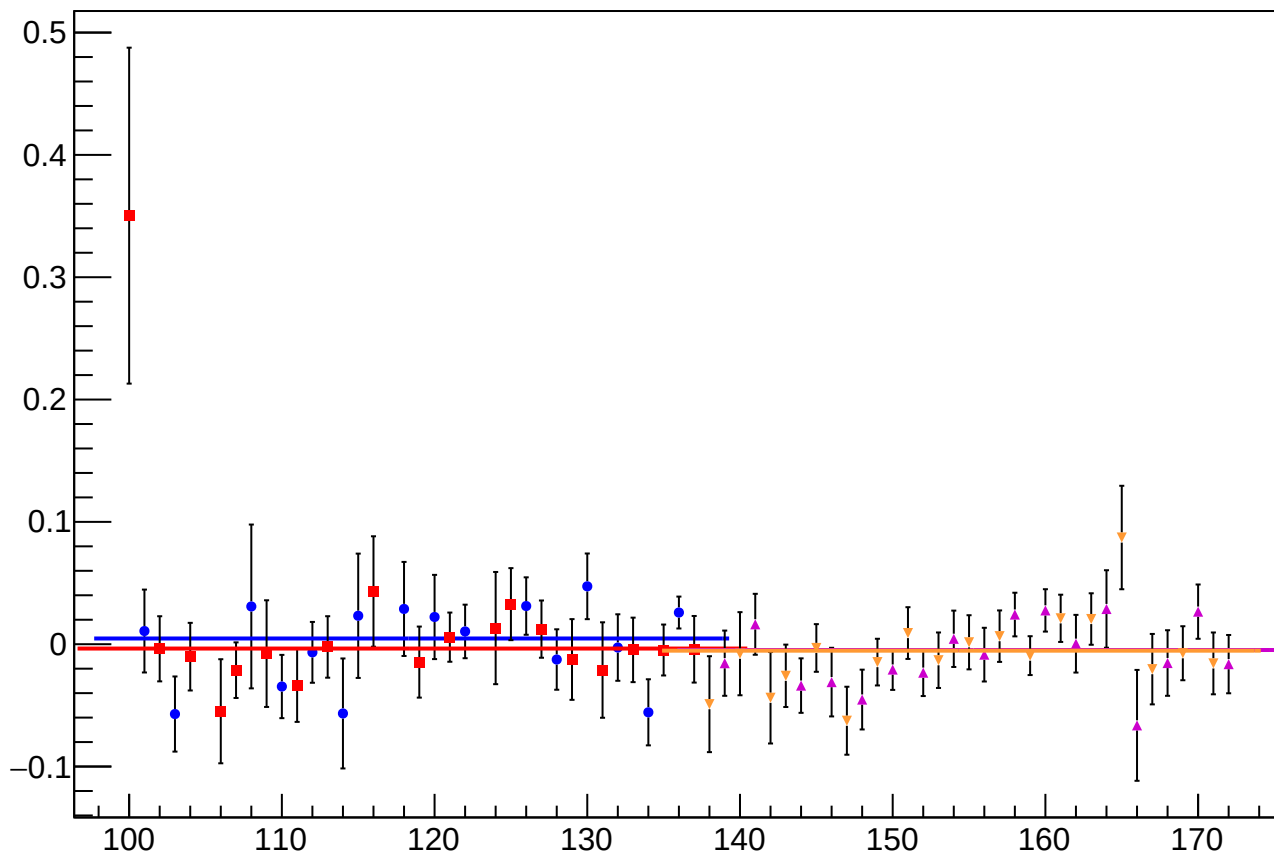
Left In: 19.743 $\pm$ 0.004 χ^2/NDF : 734146.6/16

+ sign 18.376 $\pm$ 0.003 χ^2/NDF : 2492609.2/33

All: 18.454 $\pm$ 0.002 χ^2/NDF : 4334376.9/69

- sign 18.532 $\pm$ 0.003 χ^2/NDF : 1840387.7/35

asym_sam_15_avg_eigen_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

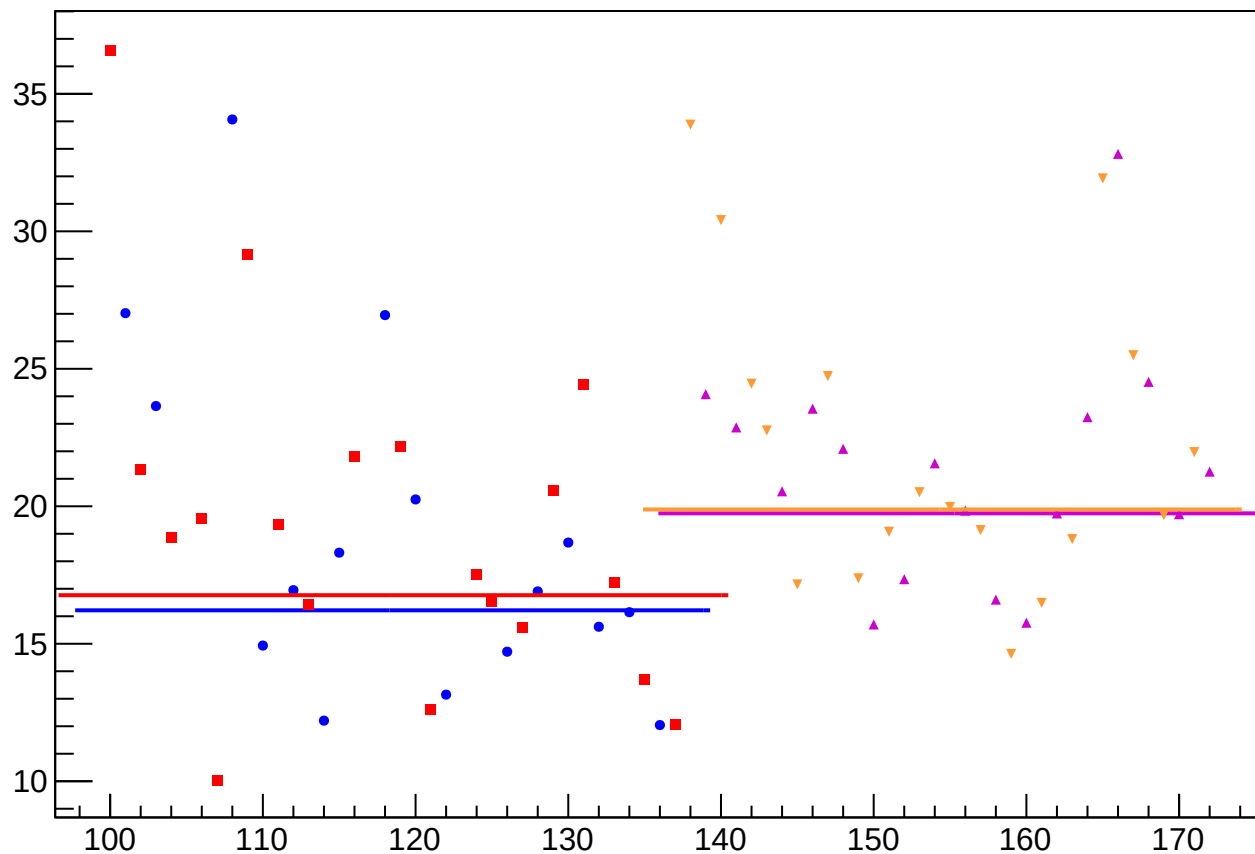
Left In: -0.005 ± 0.005 χ^2/NDF : 19.8/16

+ sign -0.001 ± 0.004 χ^2/NDF : 40.0/33

All: -0.003 ± 0.003 χ^2/NDF : 73.6/69

- sign -0.004 ± 0.004 χ^2/NDF : 33.4/35

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.216 $\pm$ 0.005 χ^2 /NDF: 943830.6/15

Left Out: 19.884 $\pm$ 0.004 χ^2 /NDF: 1181248.0/17

Right Out: 16.766 $\pm$ 0.005 χ^2 /NDF: 866705.3/18

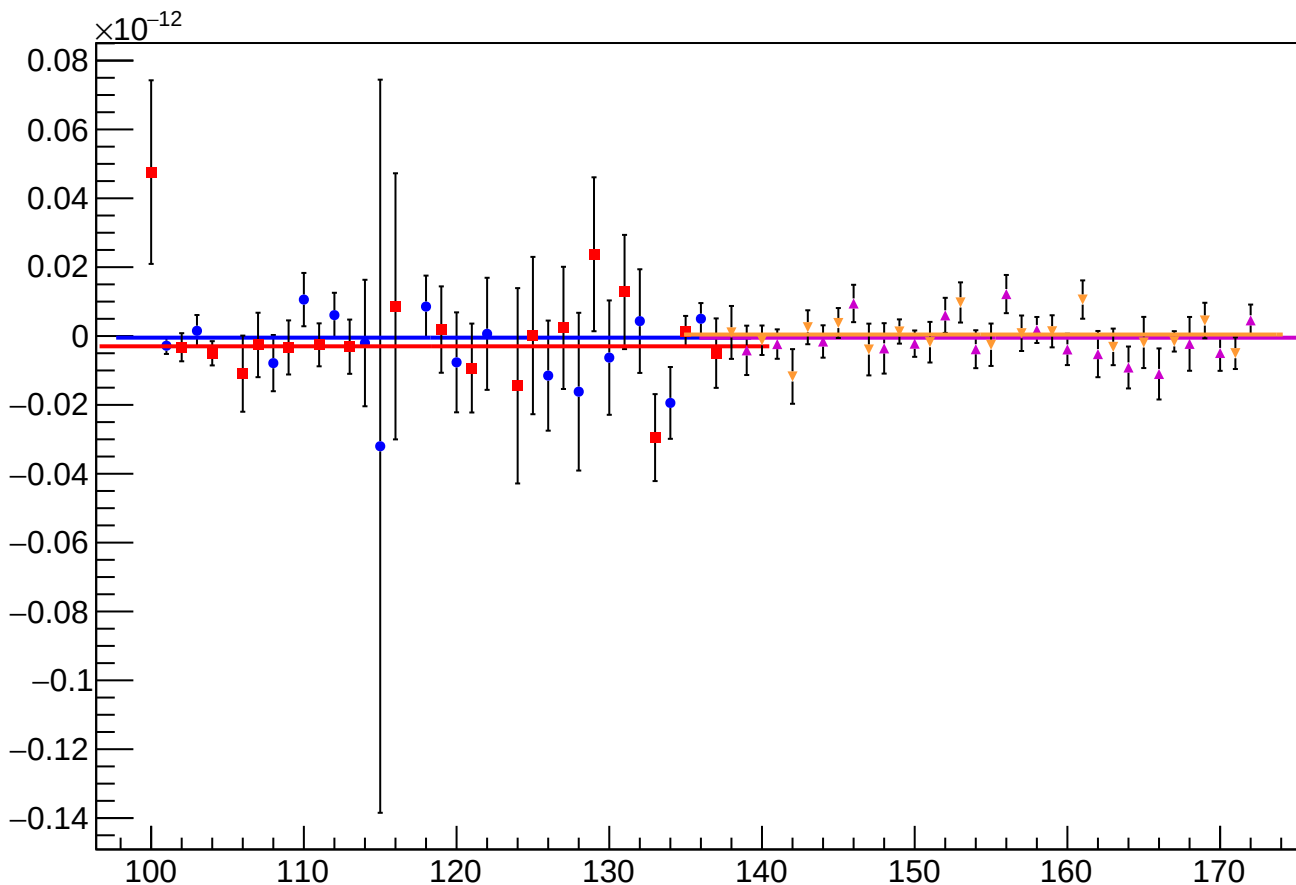
Left In: 19.743 $\pm$ 0.004 χ^2 /NDF: 734146.6/16

+ sign 18.376 $\pm$ 0.003 χ^2 /NDF: 2492609.2/33

All: 18.454 $\pm$ 0.002 χ^2 /NDF: 4334376.9/69

- sign 18.532 $\pm$ 0.003 χ^2 /NDF: 1840387.7/35

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.0/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

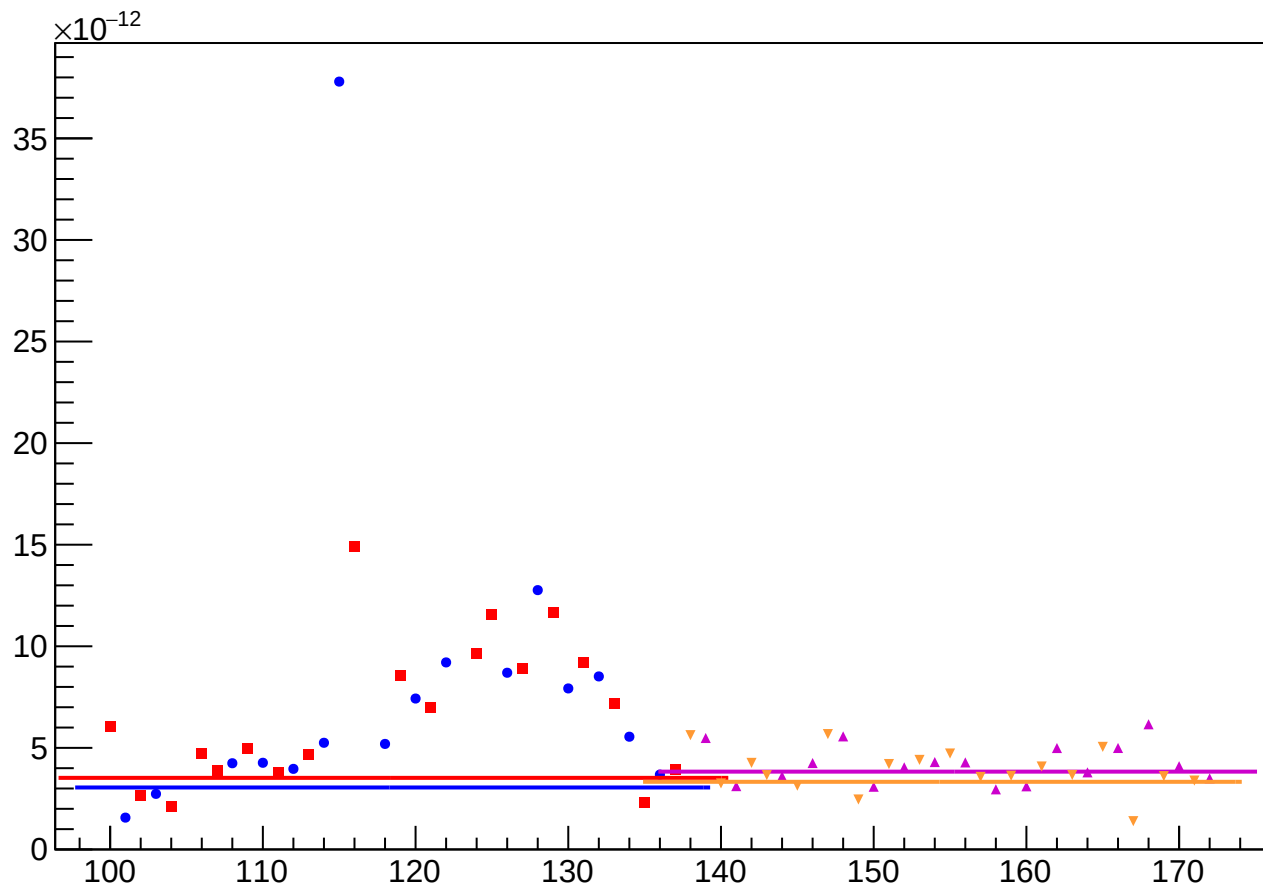
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 59.8/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/35

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2937232.3/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1780341.7/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 2559080.1/18

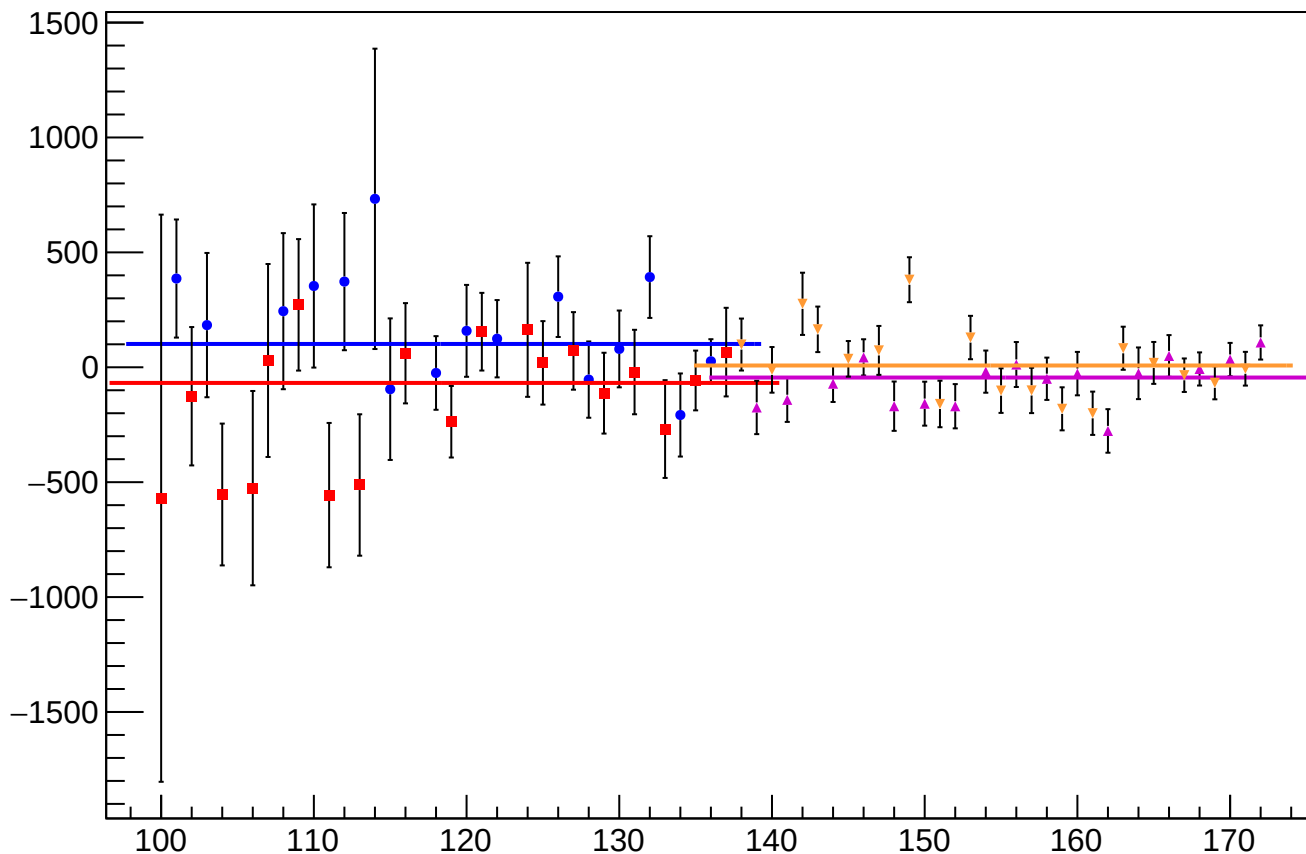
Left In: 0.000 ± 0.000 χ^2/NDF : 858430.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 4756104.9/33

All: 0.000 ± 0.000 χ^2/NDF : 8460954.9/69

- sign 0.000 ± 0.000 χ^2/NDF : 3456741.9/35

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.460 $\pm$ 47.631 χ^2 /NDF: 13.4/15

Left Out: 7.742 $\pm$ 21.610 χ^2 /NDF:40.1/17

Right Out: -68.108 $\pm$ 49.327 χ^2 /NDF: 16.1/18

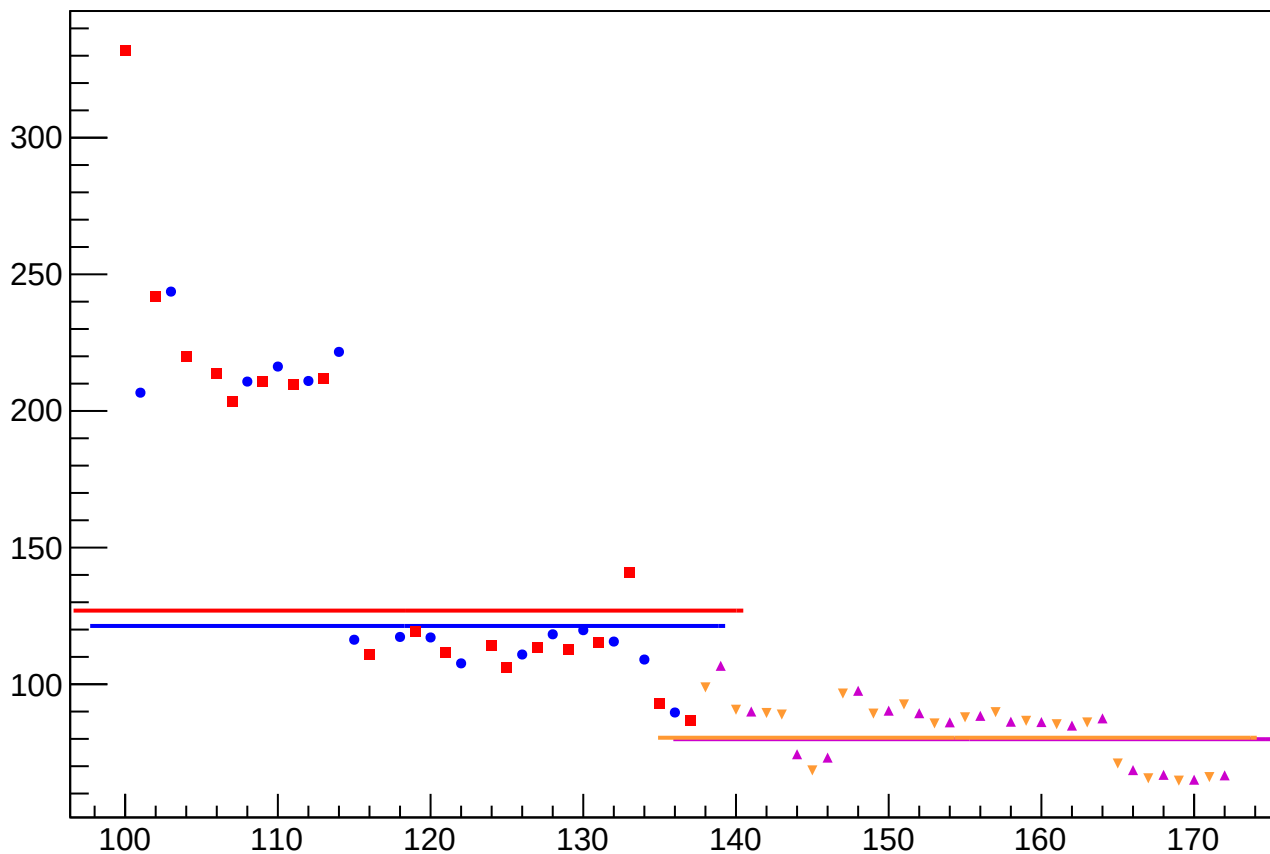
Left In: -44.665 $\pm$ 21.648 χ^2 /NDF:21.3/16

+ sign 23.741 $\pm$ 19.680 χ^2 /NDF: 56.7/33

All: -12.092 $\pm$ 13.966 χ^2 /NDF: 101.0/69

- sign -48.451 $\pm$ 19.823 χ^2 /NDF: 37.6/35

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286651.5/15

Left Out: 80.422 $\pm$ 0.015 χ^2 /NDF: 570646.8/17

Right Out: 126.945 $\pm$ 0.035 χ^2 /NDF: 1471592.1/18

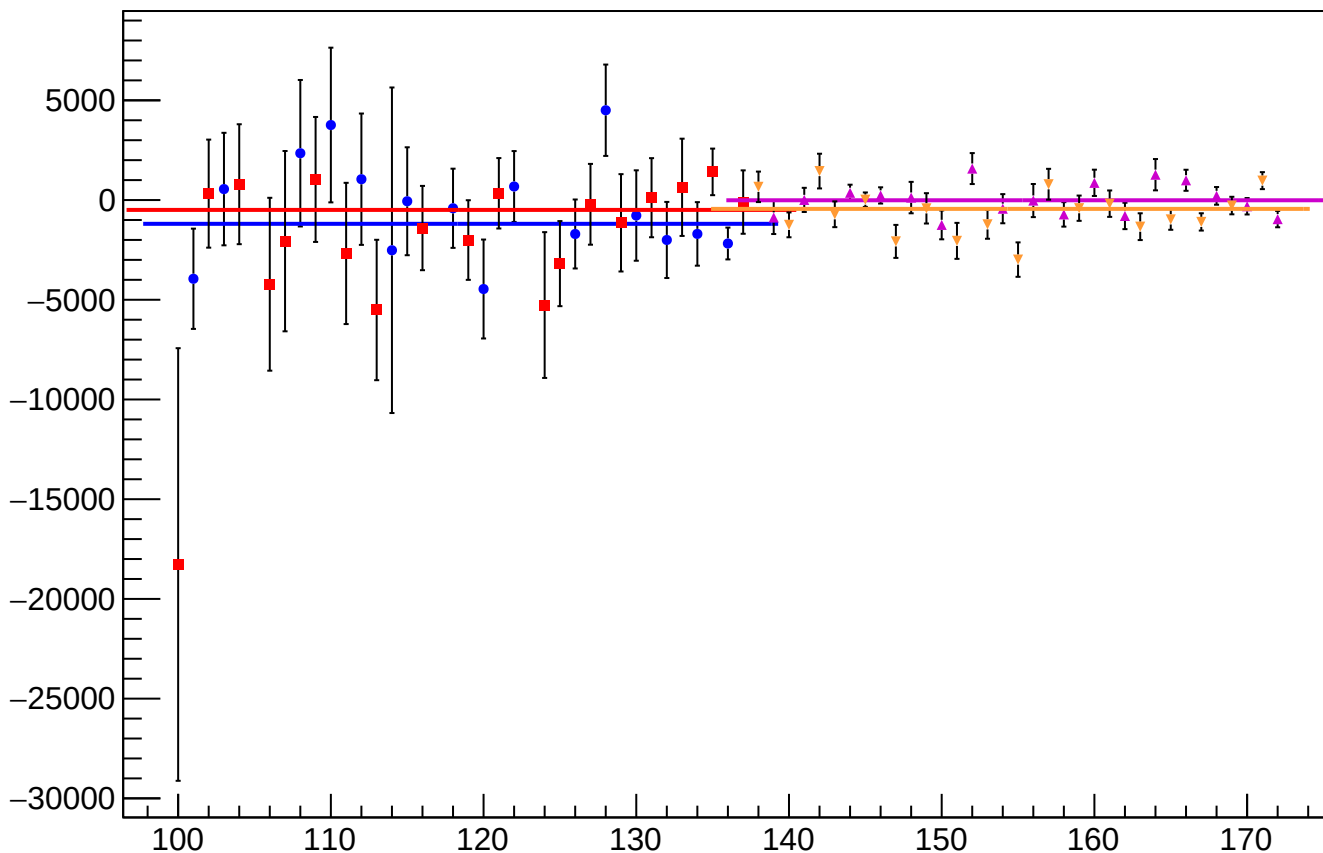
Left In: 79.885 $\pm$ 0.015 χ^2 /NDF: 552044.6/16

+ sign 87.404 $\pm$ 0.014 χ^2 /NDF: 3080467.5/33

All: 87.444 $\pm$ 0.010 χ^2 /NDF: 6630499.5/69

- sign 87.485 $\pm$ 0.014 χ^2 /NDF: 3550015.4/35

asym_sam_26_avg_reg_correction_mean vs Slug



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

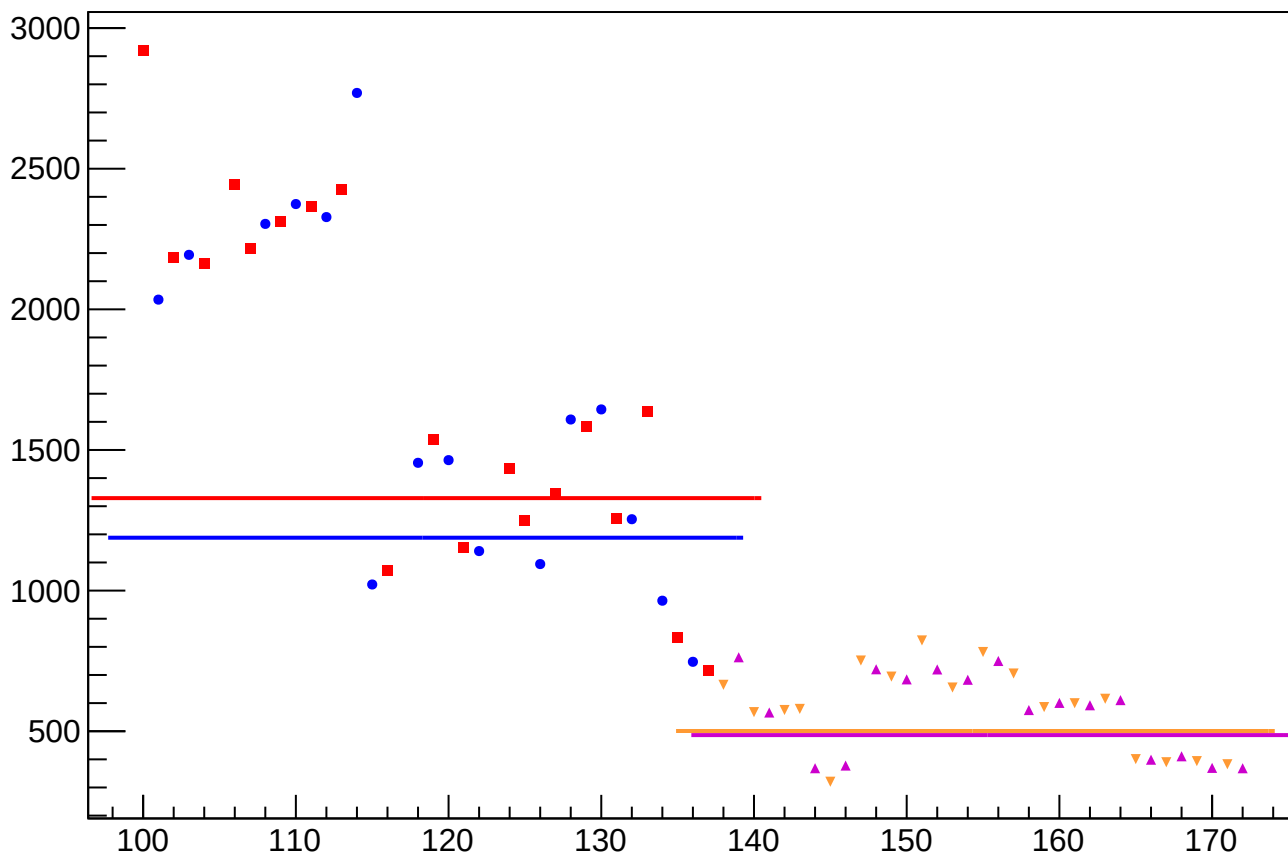
Left In: -11.183 ± 135.812 χ^2/NDF : 26.6/16

+ sign -501.398 ± 133.591 χ^2/NDF : 64.3/33

All: -267.887 ± 93.691 χ^2/NDF : 111.6/69

- sign -41.861 ± 131.433 χ^2/NDF : 41.3/35

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

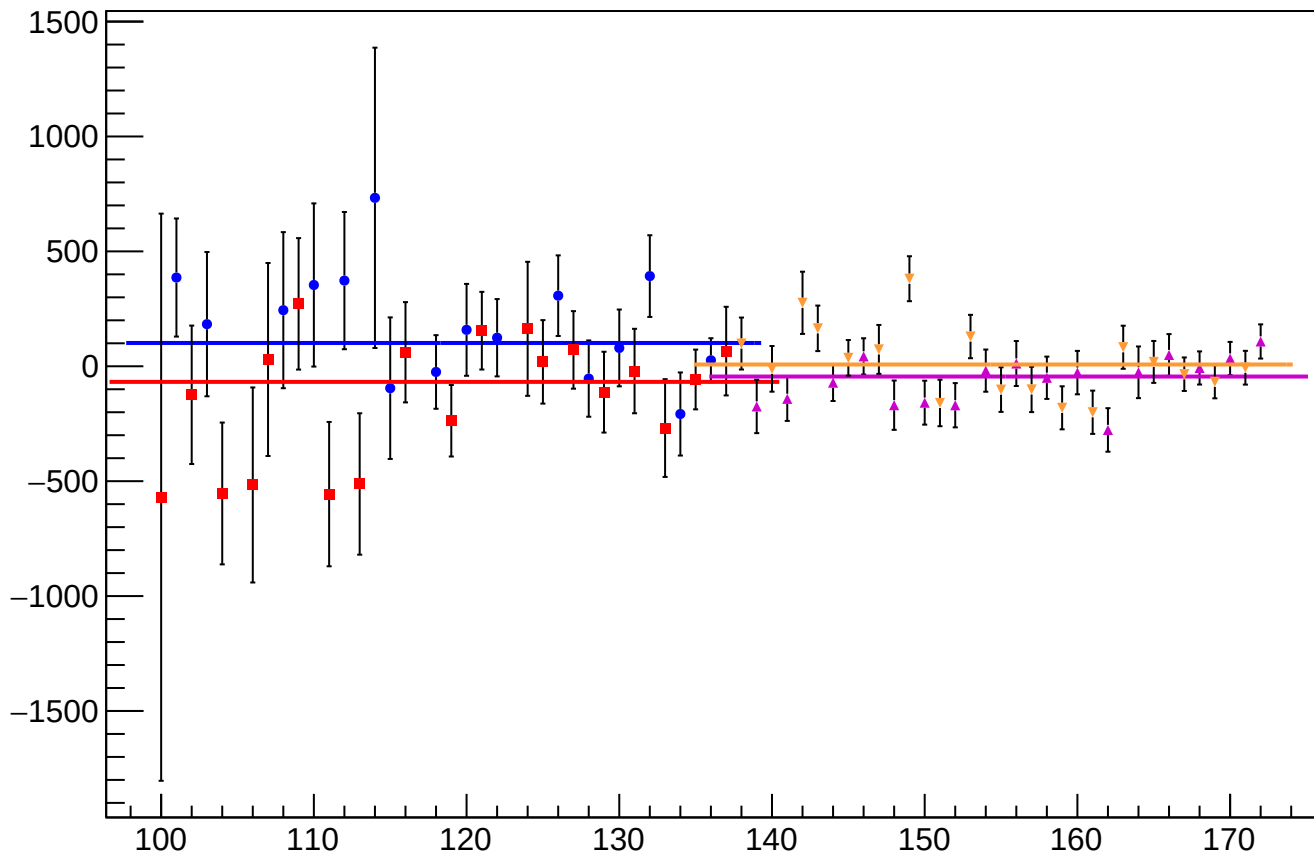
Left In: 486.260+/-0.096 χ^2/NDF : 2064275.2/16

+ sign 554.321+/-0.094 χ^2/NDF : 8125093.2/33

All: 546.904+/-0.066 χ^2/NDF : 17043777.6/69

- sign 539.725+/-0.093 χ^2/NDF : 8906552.2/35

cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 7.744 $\pm$ 21.610 χ^2 /NDF:40.1/17

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

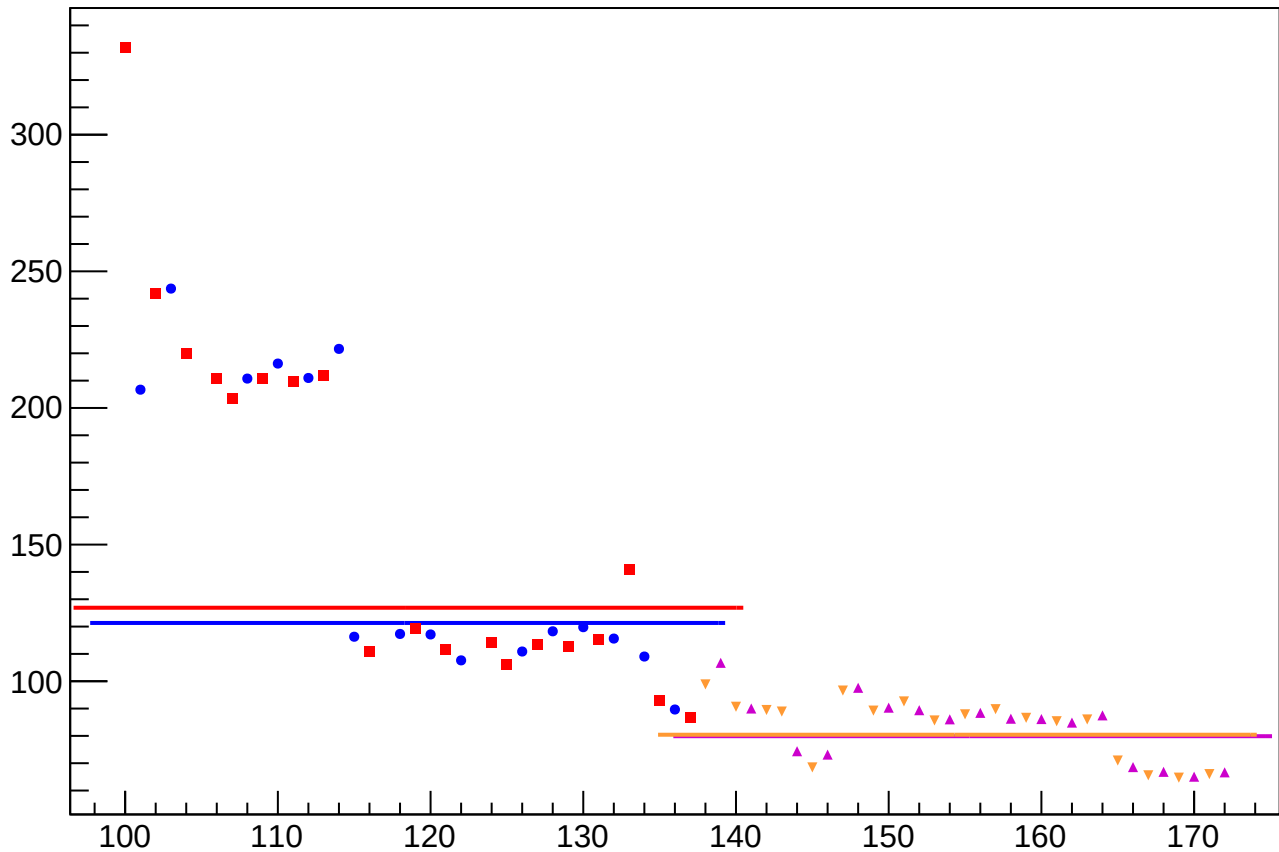
Left In: -44.664 $\pm$ 21.648 χ^2 /NDF:21.3/16

+ sign 23.740 $\pm$ 19.680 χ^2 /NDF: 56.7/33

All: -12.074 $\pm$ 13.966 χ^2 /NDF: 100.9/69

- sign -48.413 $\pm$ 19.824 χ^2 /NDF: 37.5/35

cor_asym_sam_26_avg_rms vs Slug



Right In: 121.325 $\pm$ 0.034 χ^2 /NDF: 1286654.0/15

Left Out: 80.422 $\pm$ 0.015 χ^2 /NDF: 570646.8/17

Right Out: 126.895 $\pm$ 0.035 χ^2 /NDF: 1465478.6/18

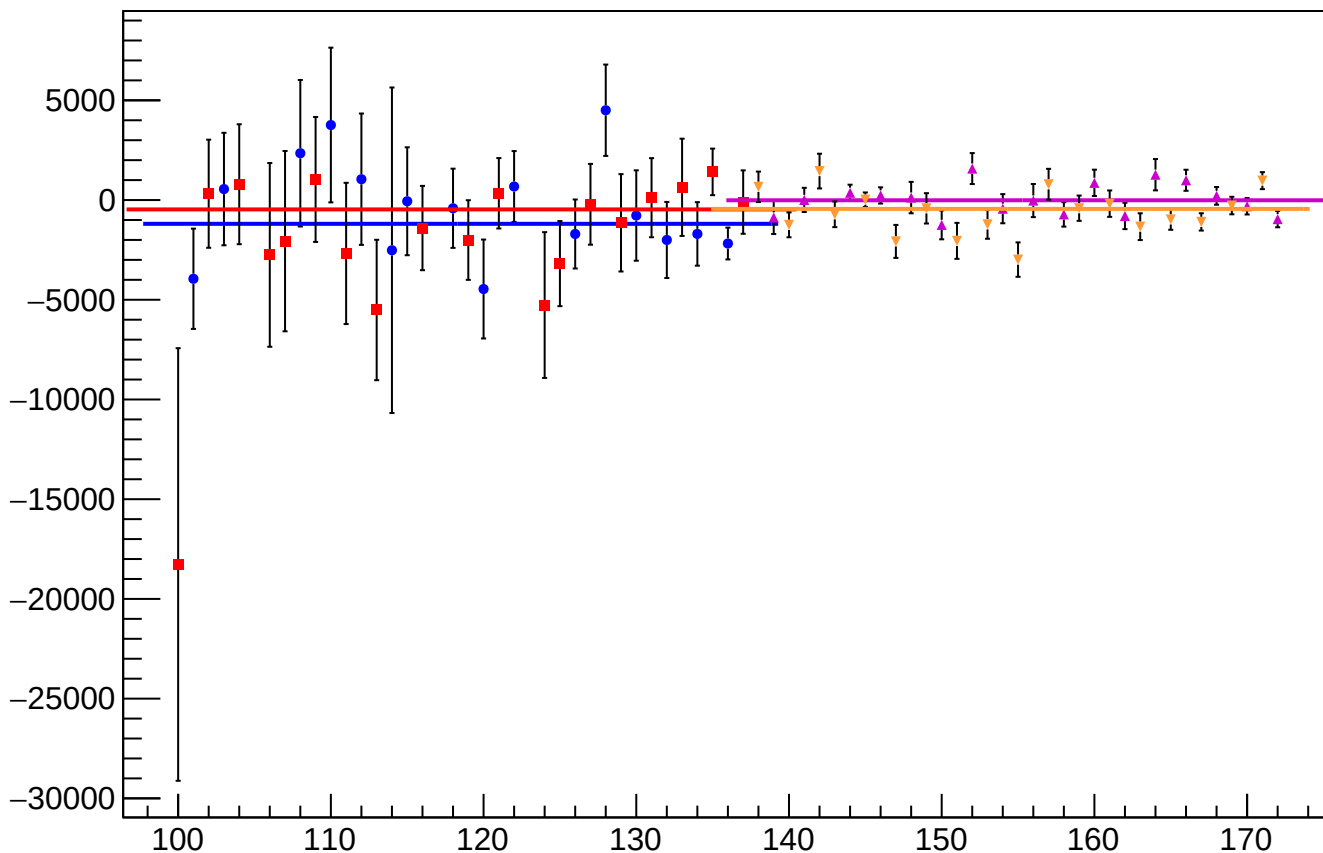
Left In: 79.885 $\pm$ 0.015 χ^2 /NDF: 552044.6/16

+ sign 87.404 $\pm$ 0.014 χ^2 /NDF: 3080469.6/33

All: 87.440 $\pm$ 0.010 χ^2 /NDF: 6620982.4/69

- sign 87.476 $\pm$ 0.014 χ^2 /NDF: 3540499.6/35

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1192.145 $\pm$ 478.909 χ^2/NDF : 15.9/15

Left Out: -443.107 $\pm$ 139.113 χ^2/NDF : 46.1/17

Right Out: -469.736 $\pm$ 522.203 χ^2/NDF : 13.4/18

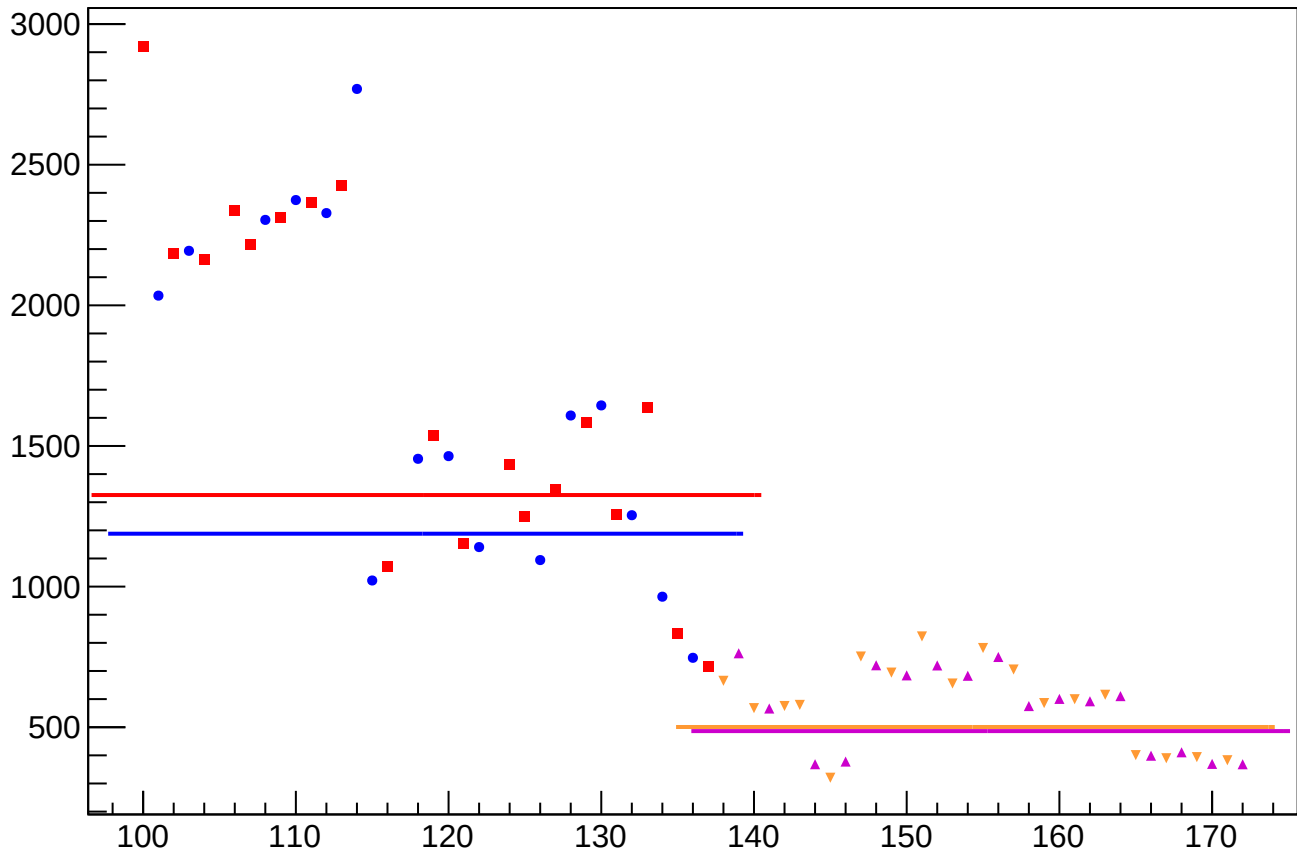
Left In: -11.184 $\pm$ 135.812 χ^2/NDF : 26.6/16

+ sign -501.392 $\pm$ 133.591 χ^2/NDF : 64.3/33

All: -267.070 $\pm$ 93.693 χ^2/NDF : 111.1/69

- sign -40.235 $\pm$ 131.440 χ^2/NDF : 40.7/35

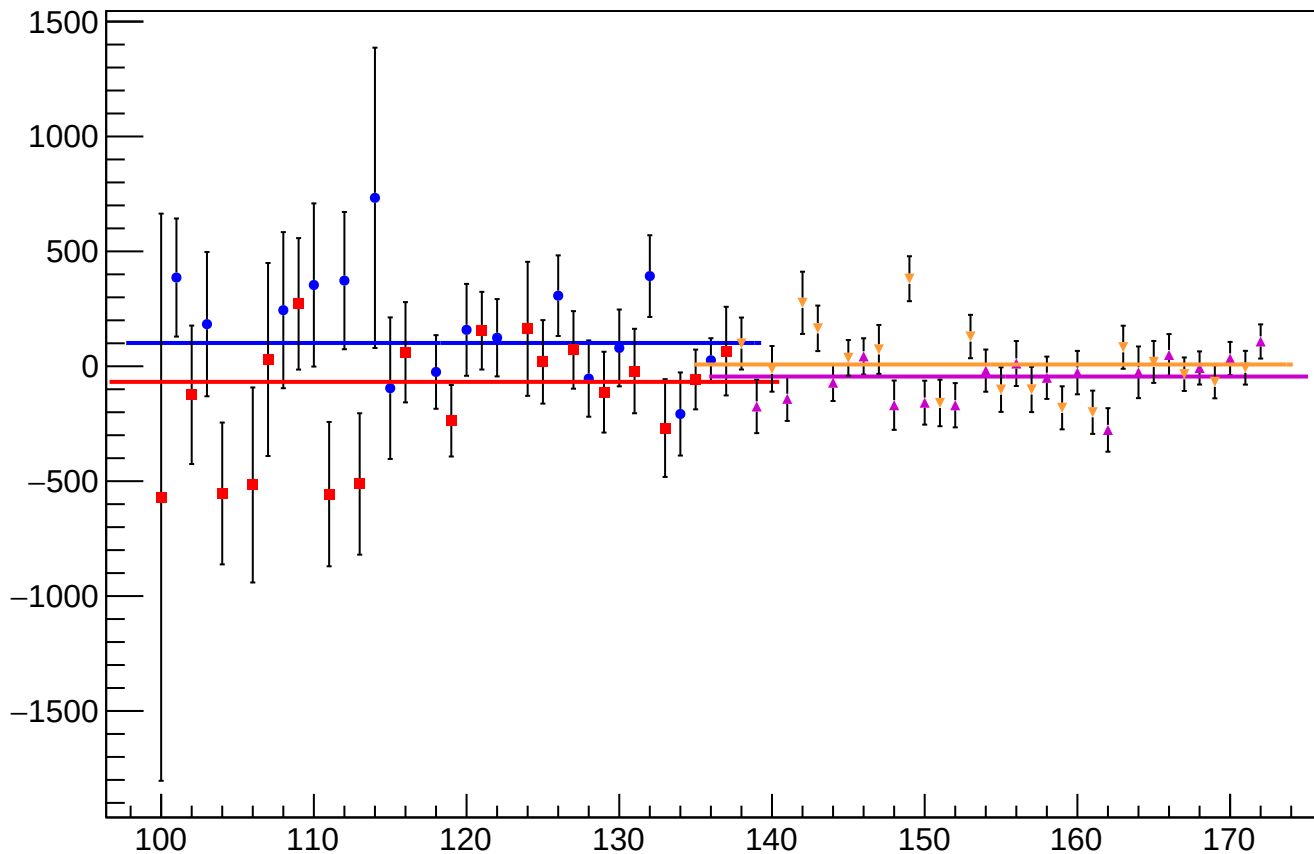
asym_sam_26_avg_cor_correction_rms vs Slug



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: 486.260+/-0.096 χ^2/NDF : 2064273.5/16

+ sign 554.321+/-0.094 χ^2/NDF : 8125123.0/33
 All: 546.756+/-0.066 χ^2/NDF : 16962104.6/69
 - sign 539.434+/-0.093 χ^2/NDF : 8824361.5/35

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 101.446 $\pm$ 47.631 χ^2 /NDF: 13.3/15

Left Out: 7.744 $\pm$ 21.610 χ^2 /NDF:40.1/17

Right Out: -67.881 $\pm$ 49.331 χ^2 /NDF: 16.1/18

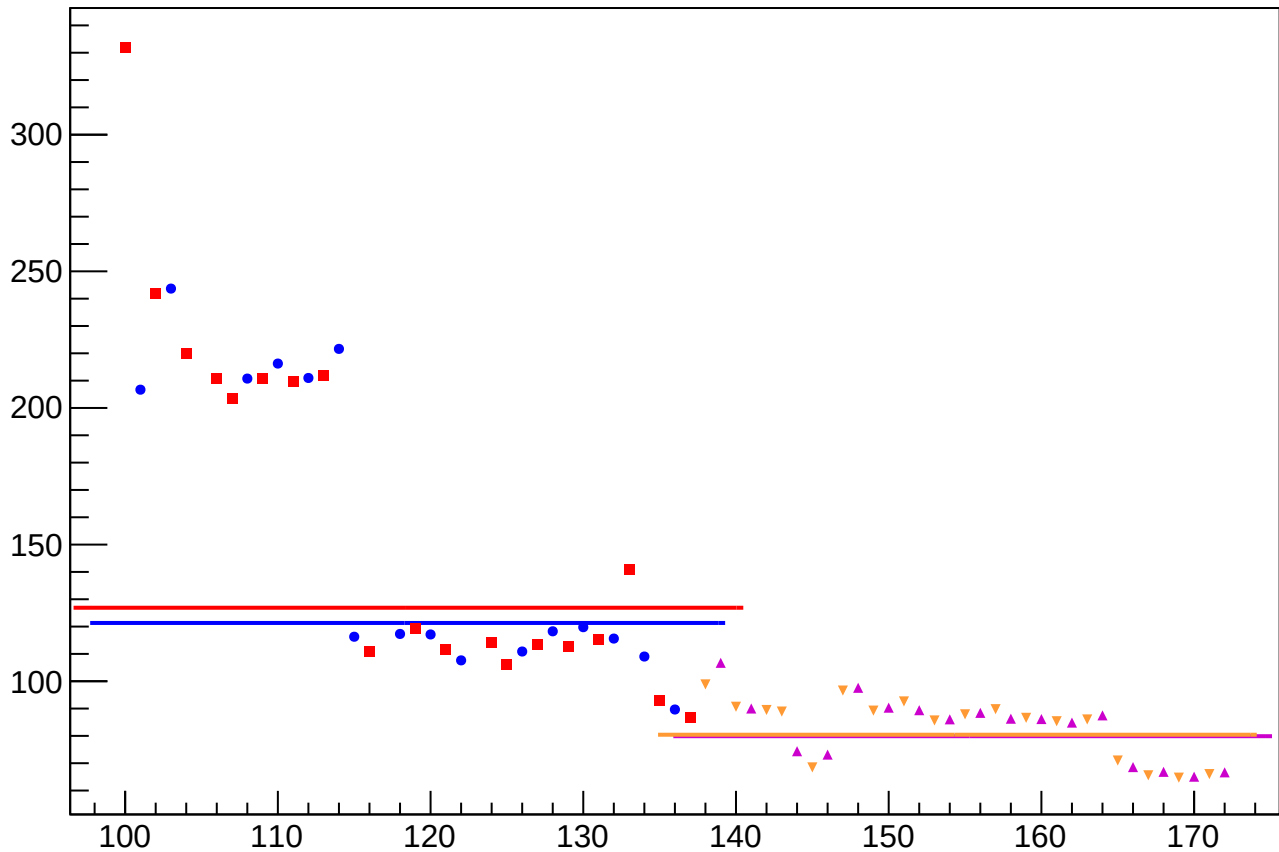
Left In: -44.664 $\pm$ 21.648 χ^2 /NDF:21.3/16

+ sign 23.740 $\pm$ 19.680 χ^2 /NDF: 56.7/33

All: -12.074 $\pm$ 13.966 χ^2 /NDF: 100.9/69

- sign -48.413 $\pm$ 19.824 χ^2 /NDF: 37.5/35

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

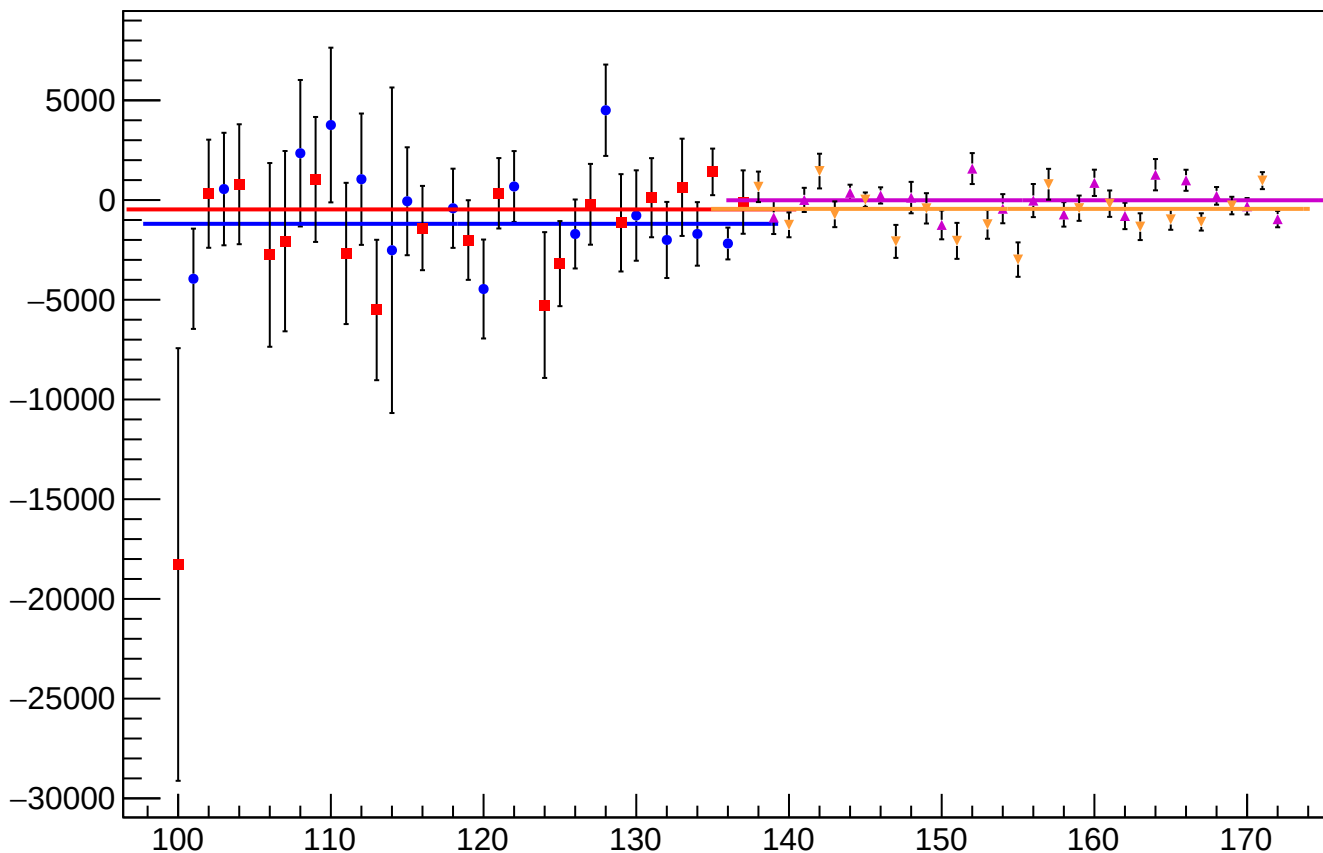
Left In: 79.885+/-0.015 χ^2/NDF : 552044.6/16

+ sign 87.404+/-0.014 χ^2/NDF : 3080469.6/33

All: 87.440+/-0.010 χ^2/NDF : 6620982.4/69

- sign 87.476+/-0.014 χ^2/NDF : 3540499.6/35

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1192.145 $\pm$ 478.909 χ^2 /NDF: 15.9/15

Left Out: -443.107 $\pm$ 139.113 χ^2 /NDF: 46.1/17

Right Out: -469.736 $\pm$ 522.203 χ^2 /NDF: 13.4/18

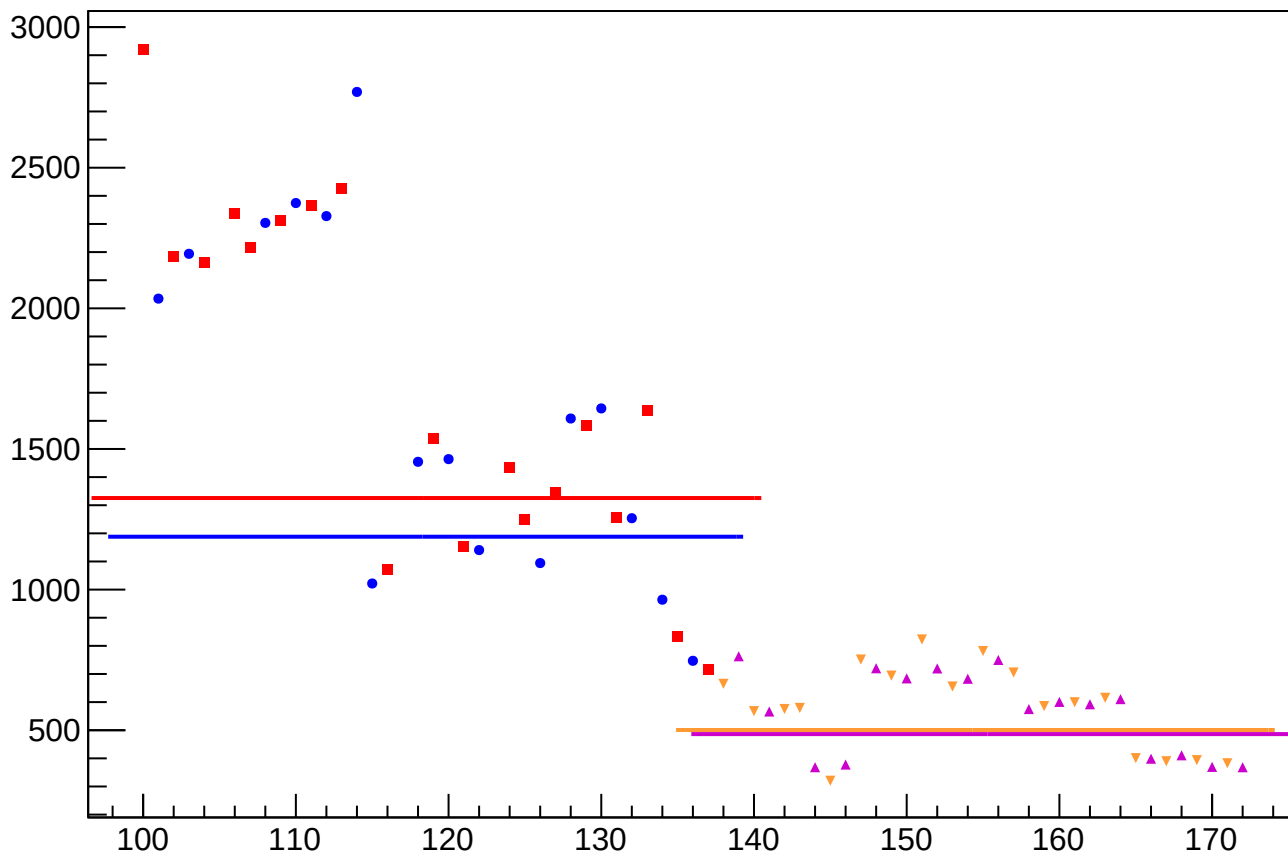
Left In: -11.184 $\pm$ 135.812 χ^2 /NDF: 26.6/16

+ sign -501.392 $\pm$ 133.591 χ^2 /NDF: 64.3/33

All: -267.070 $\pm$ 93.693 χ^2 /NDF: 111.1/69

- sign -40.235 $\pm$ 131.440 χ^2 /NDF: 40.7/35

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

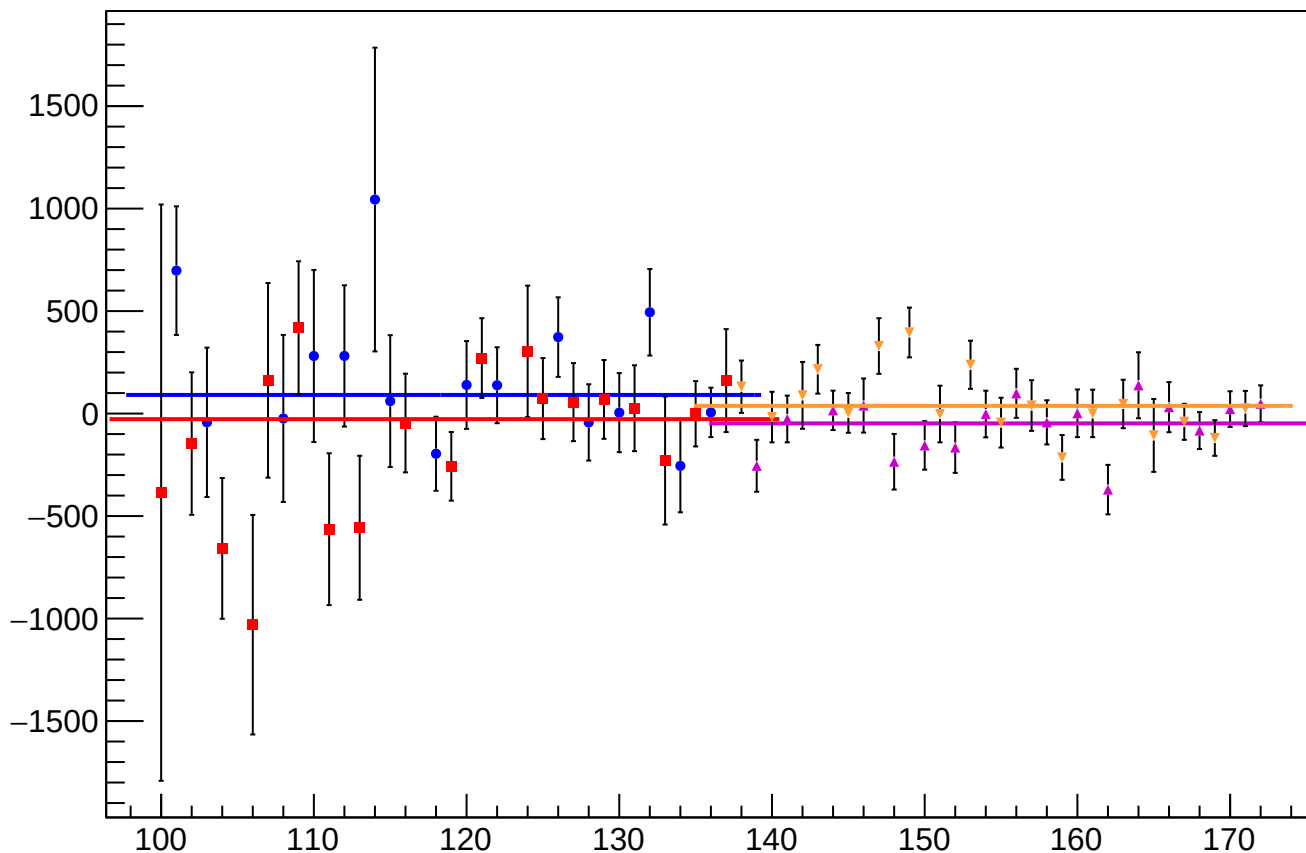
Left In: 486.260+/-0.096 χ^2/NDF : 2064273.5/16

+ sign 554.321+/-0.094 χ^2/NDF : 8125123.0/33

All: 546.756+/-0.066 χ^2/NDF : 16962104.6/69

- sign 539.434+/-0.093 χ^2/NDF : 8824361.5/35

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

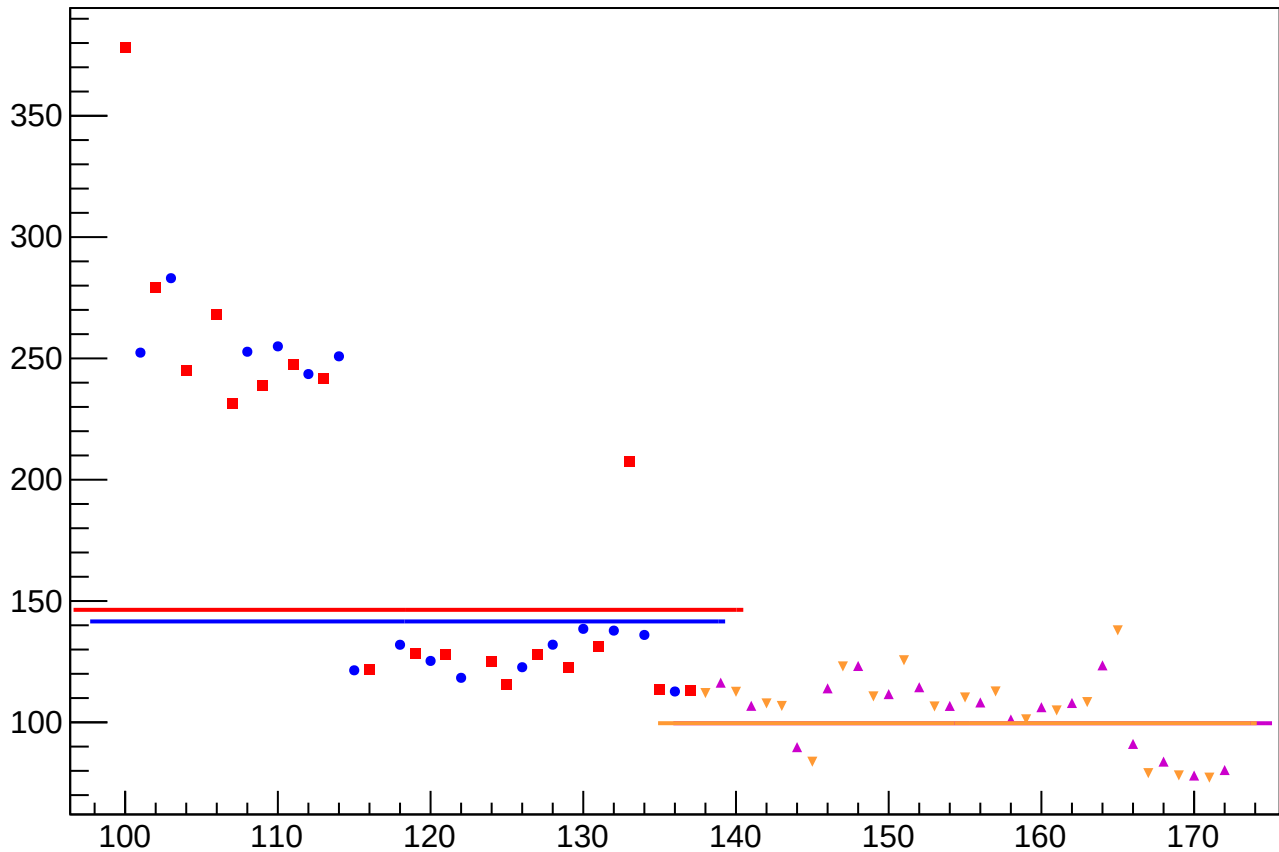
Left In: -47.858 ± 27.147 χ^2/NDF : 19.9/16

+ sign 47.722 ± 24.220 χ^2/NDF : 48.9/33

All: 2.390 ± 17.228 χ^2/NDF : 96.6/69

- sign -44.035 ± 24.510 χ^2/NDF : 40.6/35

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

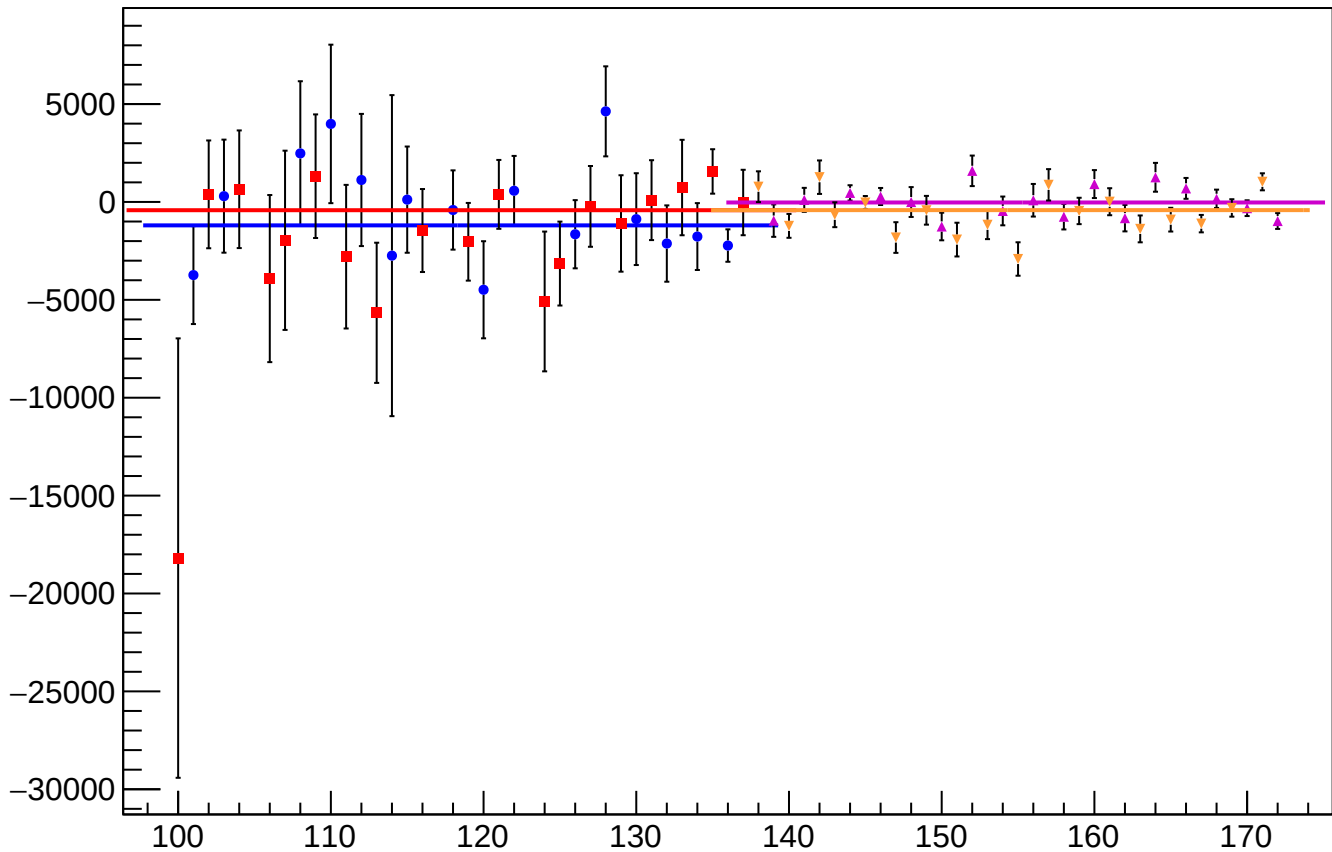
Left In: 99.620 ± 0.019 χ^2/NDF : 562793.2/16

+ sign 107.607 ± 0.017 χ^2/NDF : 2960124.4/33

All: 107.930 ± 0.012 χ^2/NDF : 6133372.9/69

- sign 108.259 ± 0.017 χ^2/NDF : 3172532.6/35

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1196.663 $\pm$ 491.384 χ^2/NDF : 16.0/15

Left Out: -418.060 $\pm$ 139.640 χ^2/NDF : 44.4/17

Right Out: -422.161 $\pm$ 523.834 χ^2/NDF : 14.3/18

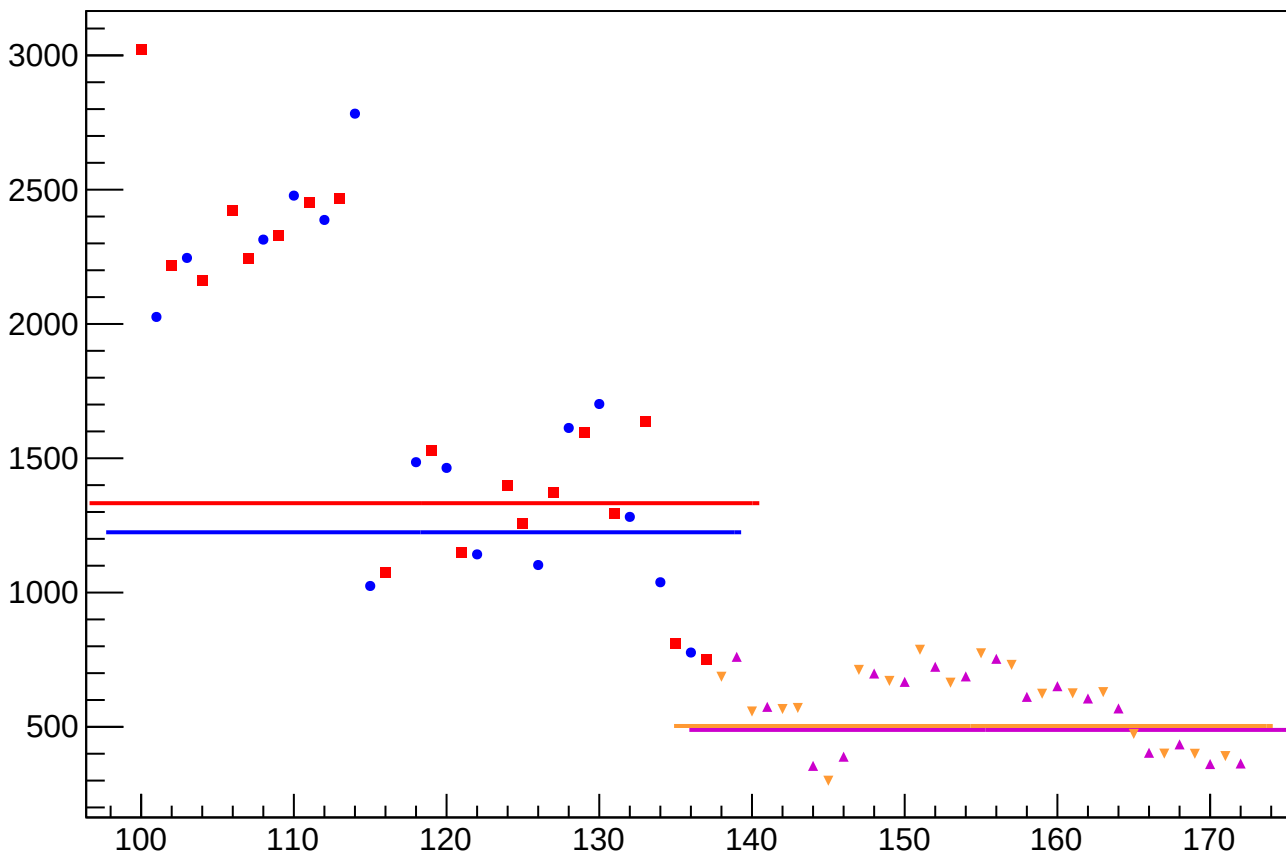
Left In: -27.353 $\pm$ 136.933 χ^2/NDF : 26.5/16

+ sign -476.239 $\pm$ 134.321 χ^2/NDF : 62.7/33

All: -261.500 $\pm$ 94.322 χ^2/NDF : 109.0/69

- sign -52.605 $\pm$ 132.481 χ^2/NDF : 41.3/35

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1224.470 $\pm$ 0.347 χ^2 /NDF: 1959362.3/15

Left Out: 503.270 $\pm$ 0.099 χ^2 /NDF: 2370101.9/17

+ sign 557.159 $\pm$ 0.095 χ^2 /NDF: 8315784.7/33

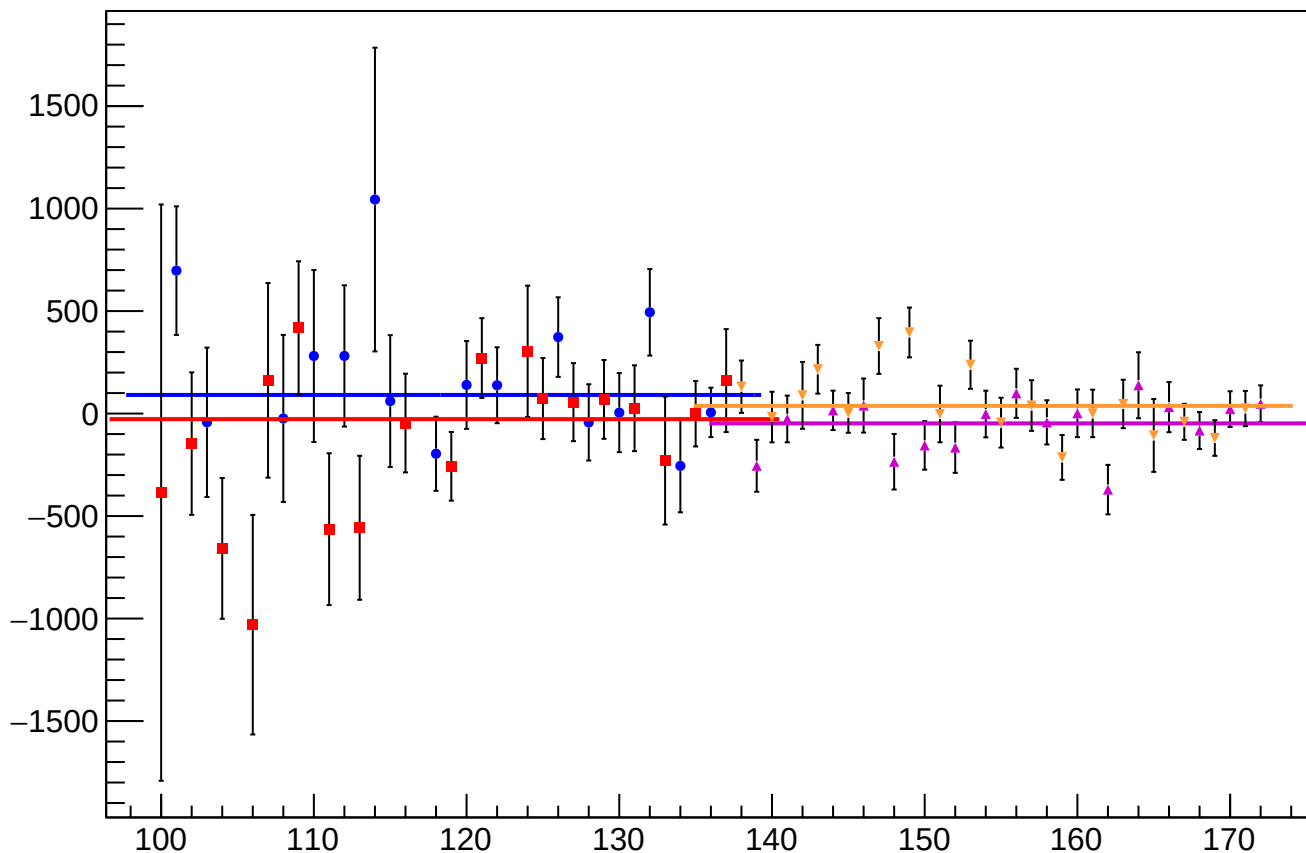
Right Out: 1332.785 $\pm$ 0.370 χ^2 /NDF: 1994811.5/18

All: 549.806 $\pm$ 0.067 χ^2 /NDF: 17316253.9/69

Left In: 488.662 $\pm$ 0.097 χ^2 /NDF: 2132593.1/16

- sign 542.654 $\pm$ 0.094 χ^2 /NDF: 8988646.4/35

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 90.910 ± 55.564 $\chi^2/\text{NDF}: 18.1/15$

Left Out: 37.590 ± 26.912 $\chi^2/\text{NDF}: 30.1/17$

Right Out: -27.170 ± 57.015 $\chi^2/\text{NDF}: 20.6/18$

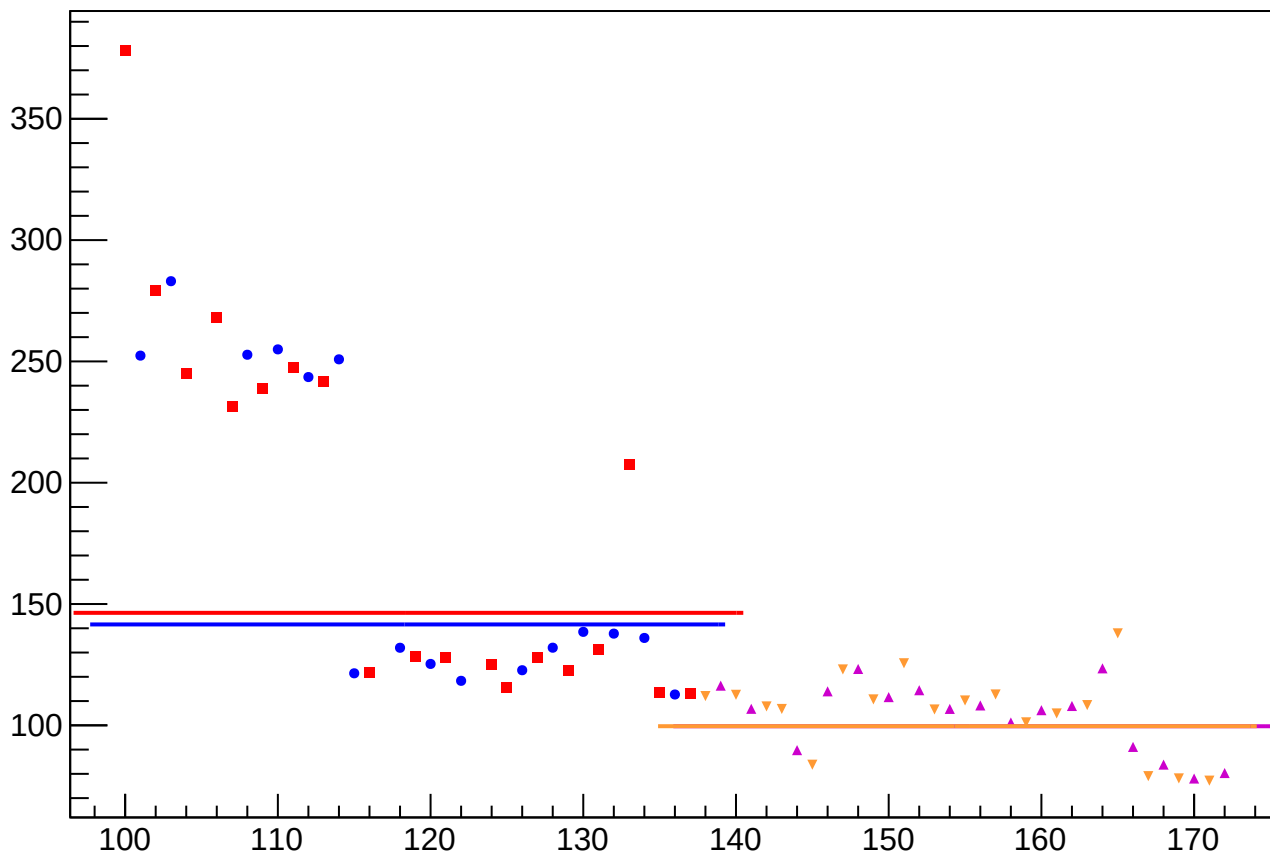
Left In: -47.857 ± 27.147 $\chi^2/\text{NDF}: 19.9/16$

+ sign 47.721 ± 24.220 $\chi^2/\text{NDF}: 48.9/33$

All: 2.390 ± 17.228 $\chi^2/\text{NDF}: 96.6/69$

- sign -44.034 ± 24.511 $\chi^2/\text{NDF}: 40.6/35$

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 141.586 $\pm$ 0.039 χ^2 /NDF: 1262350.2/15

Left Out: 99.637 $\pm$ 0.019 χ^2 /NDF: 774394.3/17

Right Out: 146.368 $\pm$ 0.040 χ^2 /NDF: 1513641.5/18

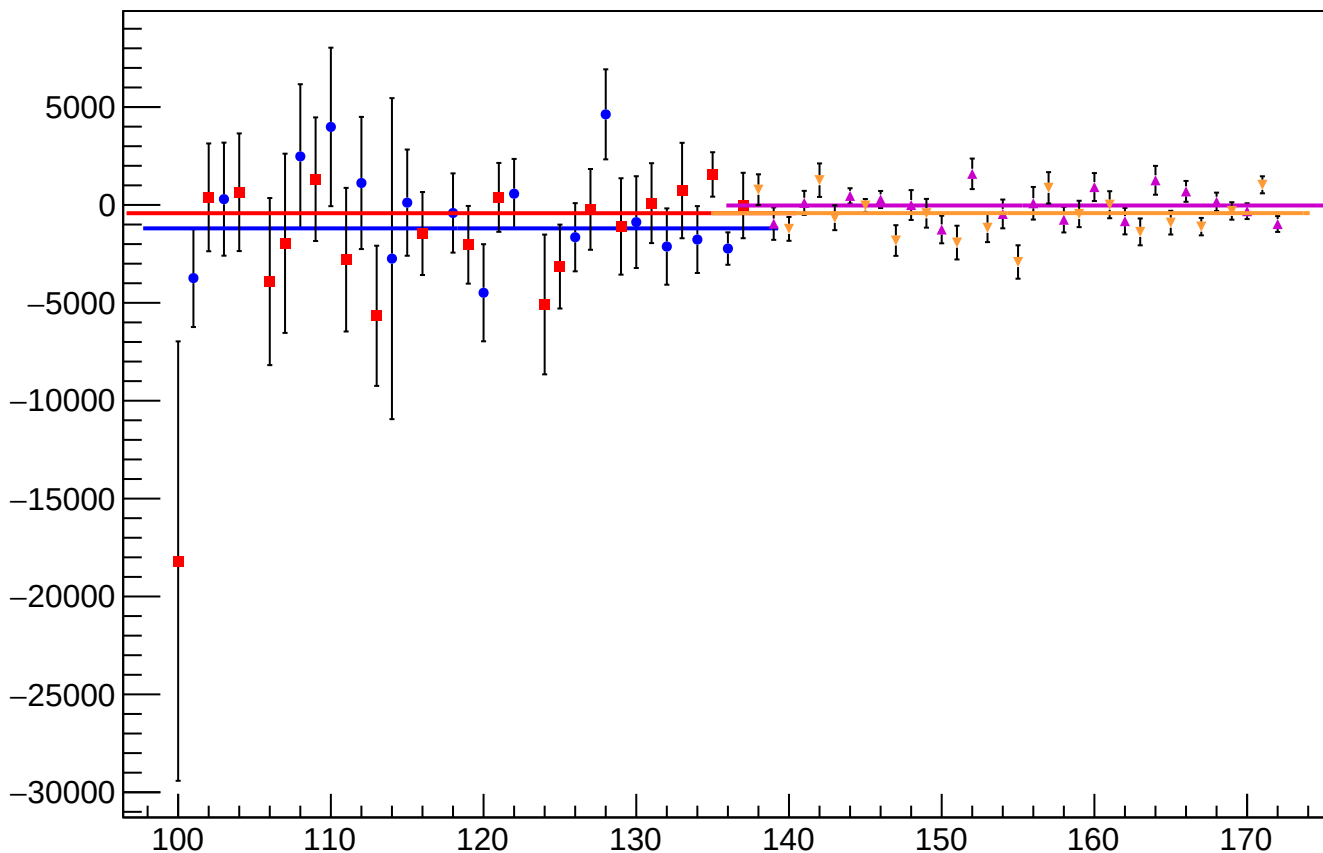
Left In: 99.620 $\pm$ 0.019 χ^2 /NDF: 562785.0/16

+ sign 107.608 $\pm$ 0.017 χ^2 /NDF: 2960060.4/33

All: 107.930 $\pm$ 0.012 χ^2 /NDF: 6133254.8/69

- sign 108.260 $\pm$ 0.017 χ^2 /NDF: 3172478.2/35

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1196.659 $\pm$ 491.383 χ^2 /NDF: 16.0/15

Left Out: -418.059 $\pm$ 139.639 χ^2 /NDF:44.4/17

Right Out: -422.163 $\pm$ 523.833 χ^2 /NDF: 14.3/18

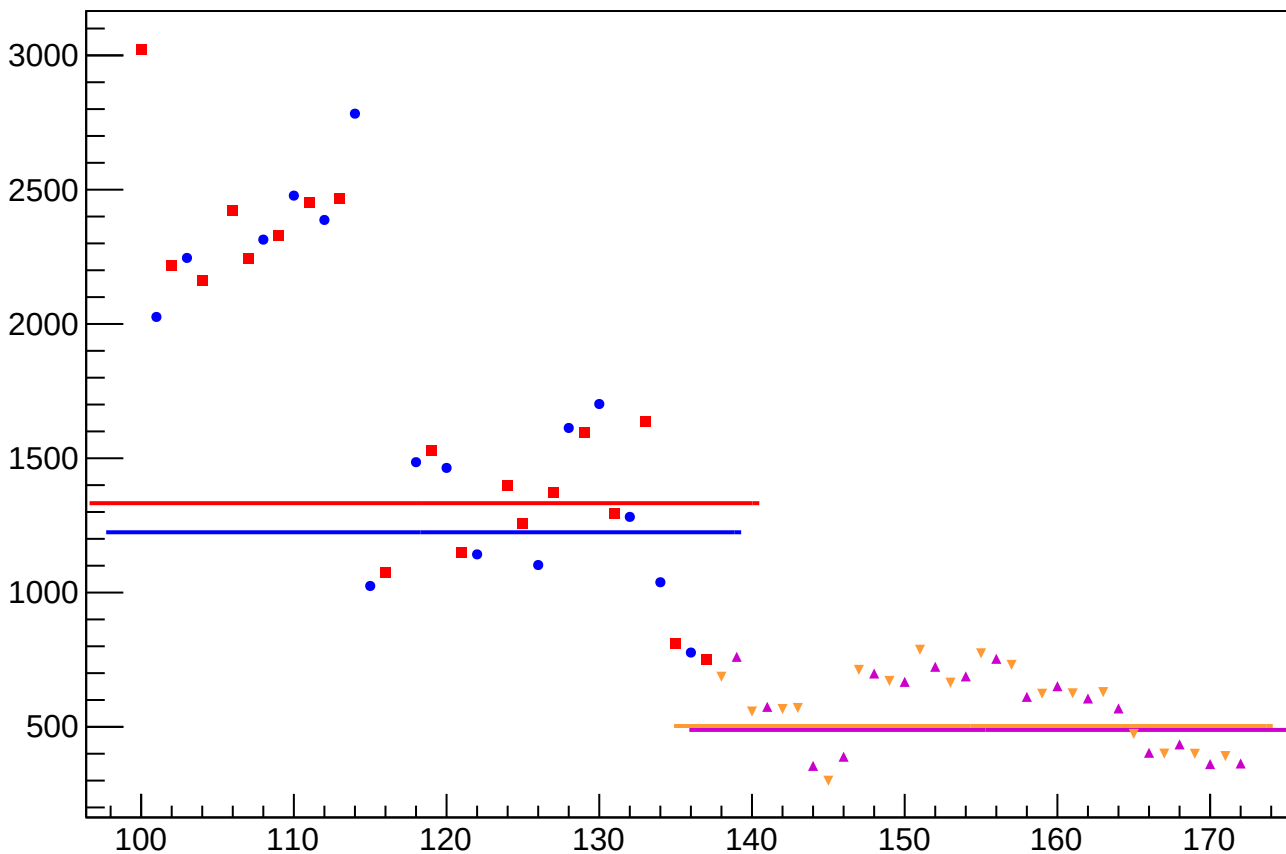
Left In: -27.352 $\pm$ 136.932 χ^2 /NDF:26.5/16

+ sign -476.237 $\pm$ 134.321 χ^2 /NDF: 62.7/33

All: -261.499 $\pm$ 94.322 χ^2 /NDF: 109.0/69

- sign -52.605 $\pm$ 132.481 χ^2 /NDF: 41.3/35

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



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

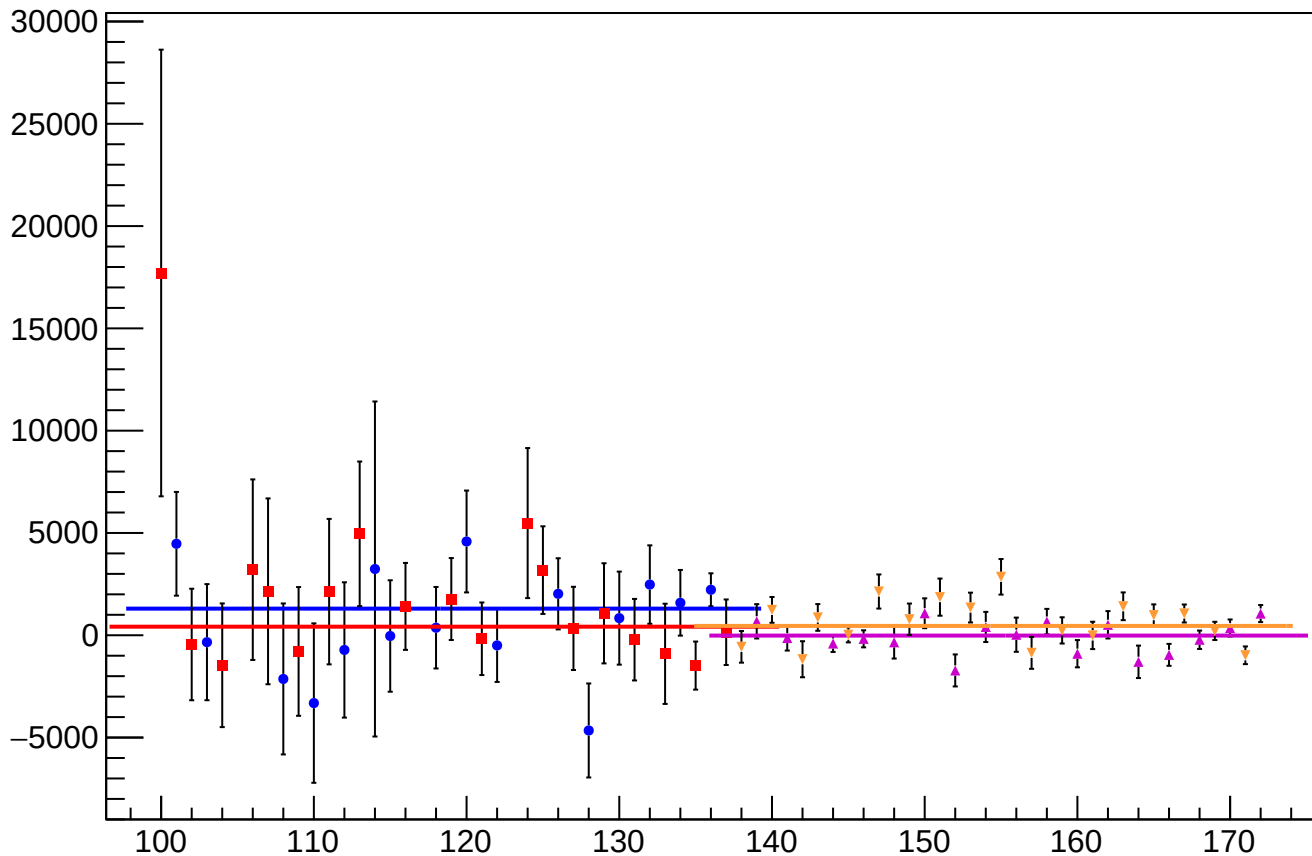
Left In: 488.661+/-0.097 χ^2/NDF : 2132611.6/16

+ sign 557.157+/-0.095 χ^2/NDF : 8315840.1/33

All: 549.805+/-0.067 χ^2/NDF : 17316321.4/69

- sign 542.653+/-0.094 χ^2/NDF : 8988660.3/35

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

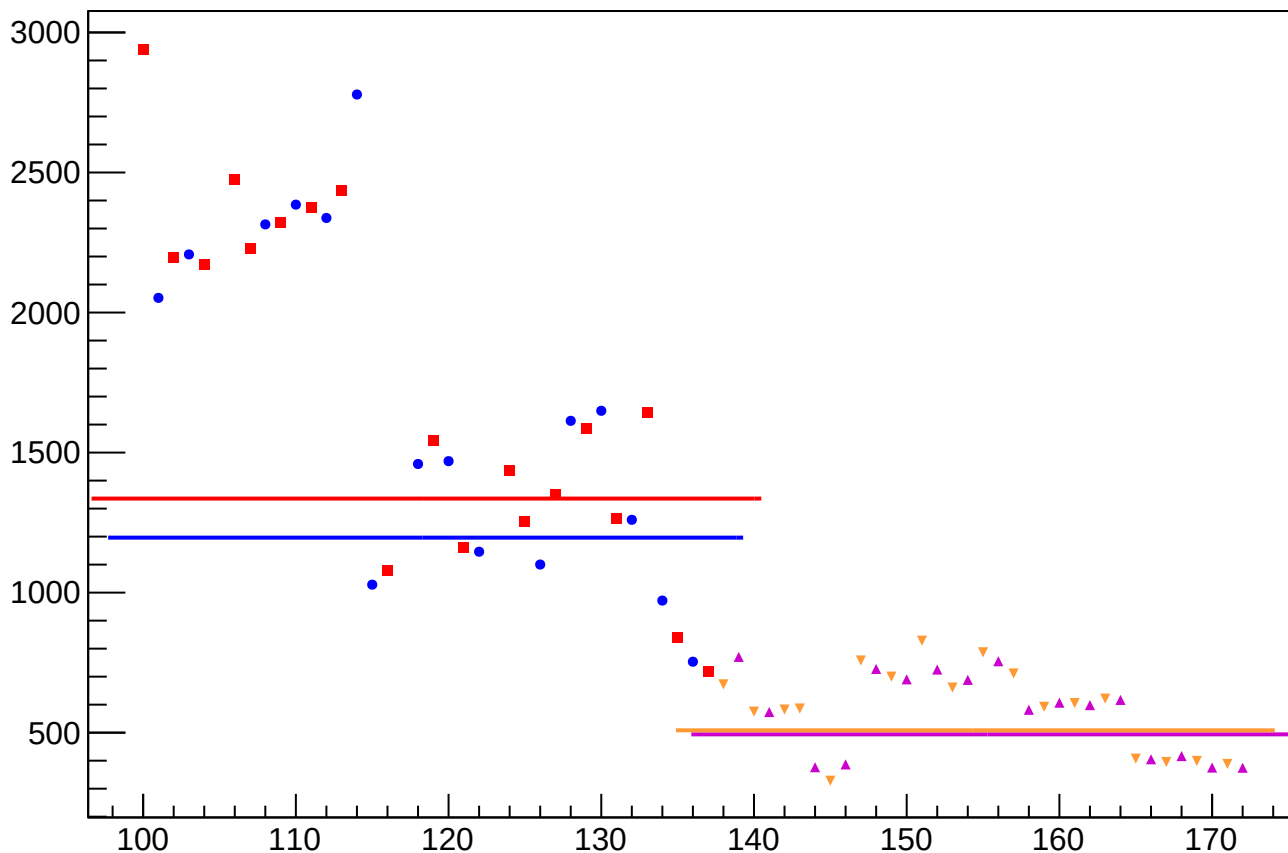
Left In: -15.923+/-137.798 χ^2/NDF : 26.2/16

+ sign 522.907+/-135.353 χ^2/NDF : 63.2/33

All: 263.560+/-94.966 χ^2/NDF : 110.3/69

- sign 12.111+/-133.276 χ^2/NDF : 39.9/35

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

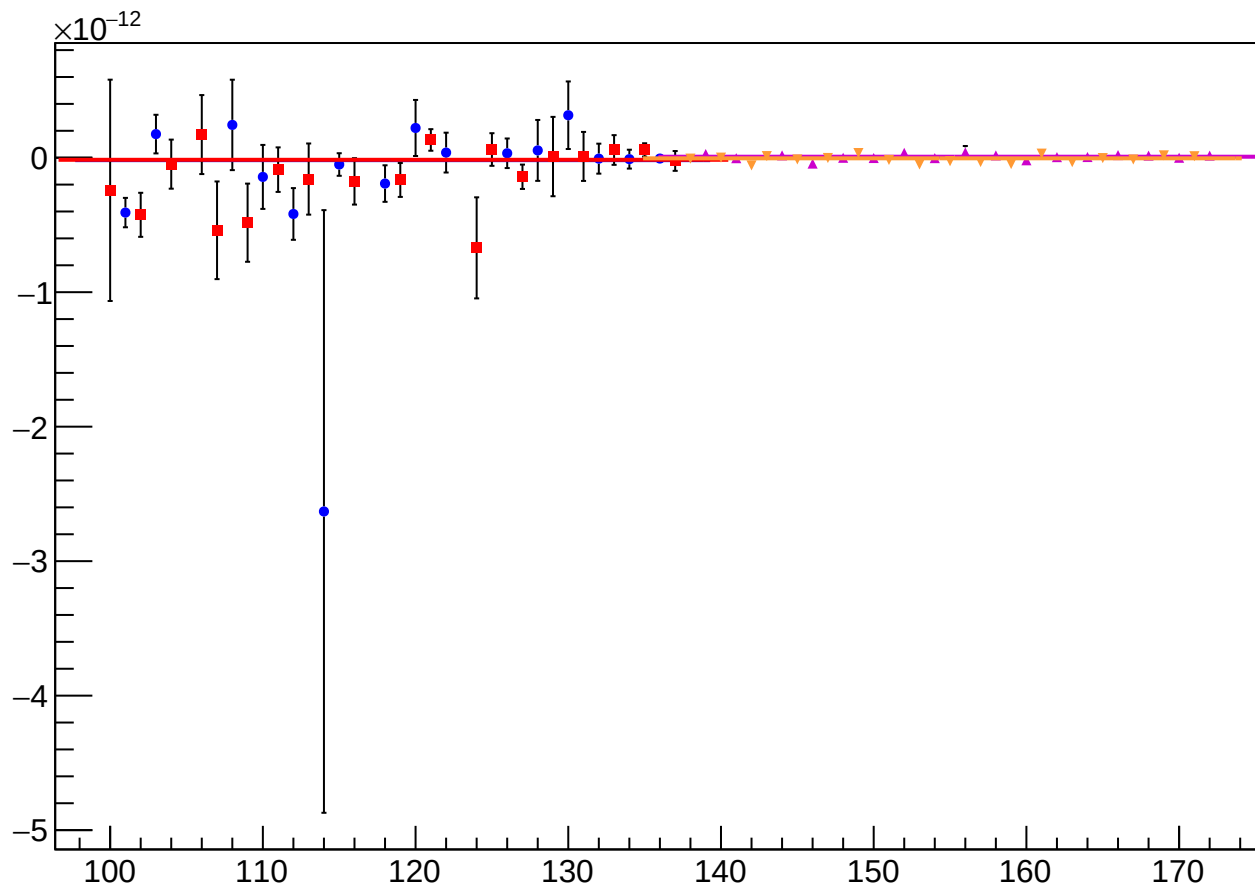
Left In: 493.987+/-0.097 χ^2 /NDF:2005771.0/16

+ sign 562.672+/-0.096 χ^2 /NDF: 8003241.5/33

All: 555.394+/-0.067 χ^2 /NDF: 16790999.9/69

- sign 548.338+/-0.094 χ^2 /NDF: 8776370.1/35

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



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

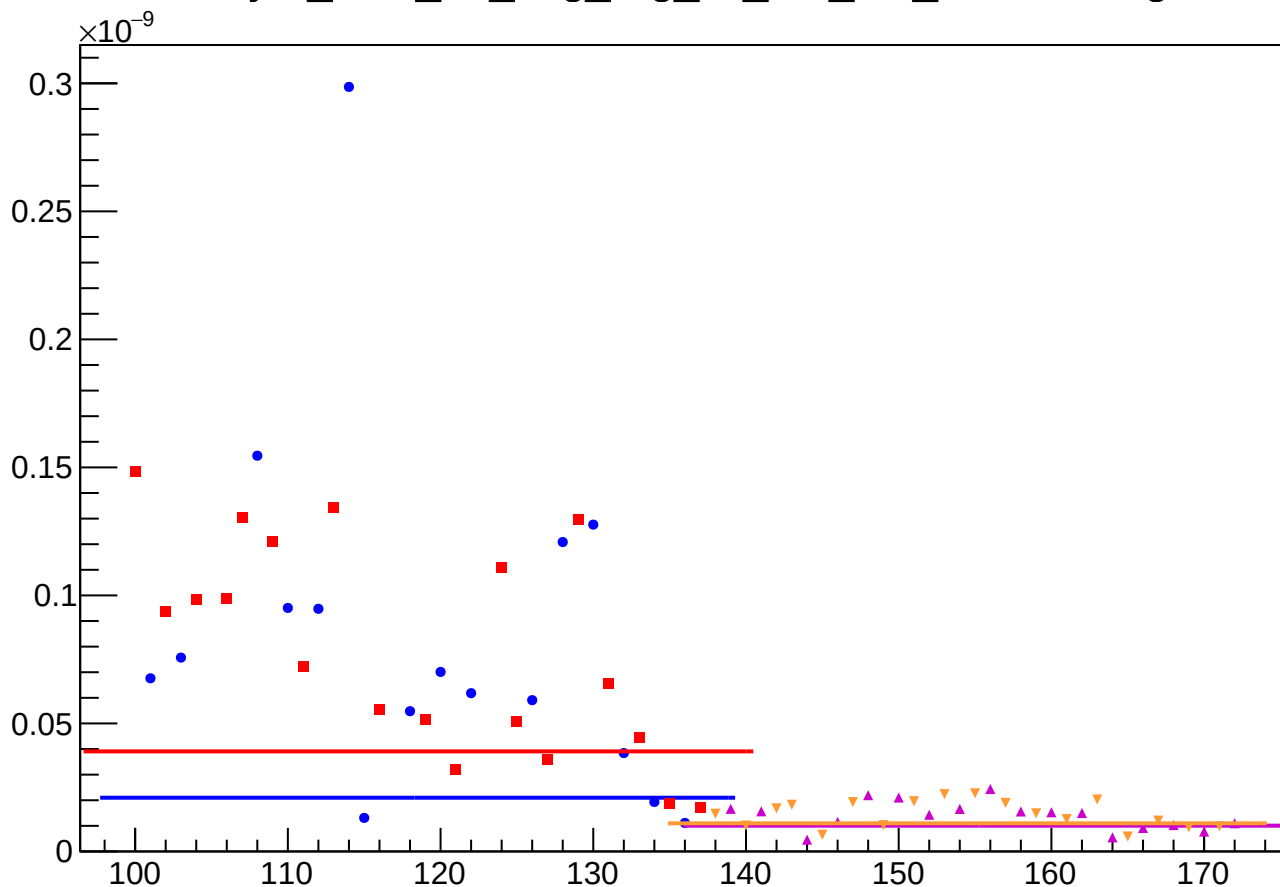
Left In: 0.000+/-0.000 χ^2 /NDF: 13.6/16

+ sign -0.000+/-0.000 χ^2 /NDF: 44.8/33

All: 0.000+/-0.000 χ^2 /NDF: 87.9/69

- sign 0.000+/-0.000 χ^2 /NDF: 39.9/35

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



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

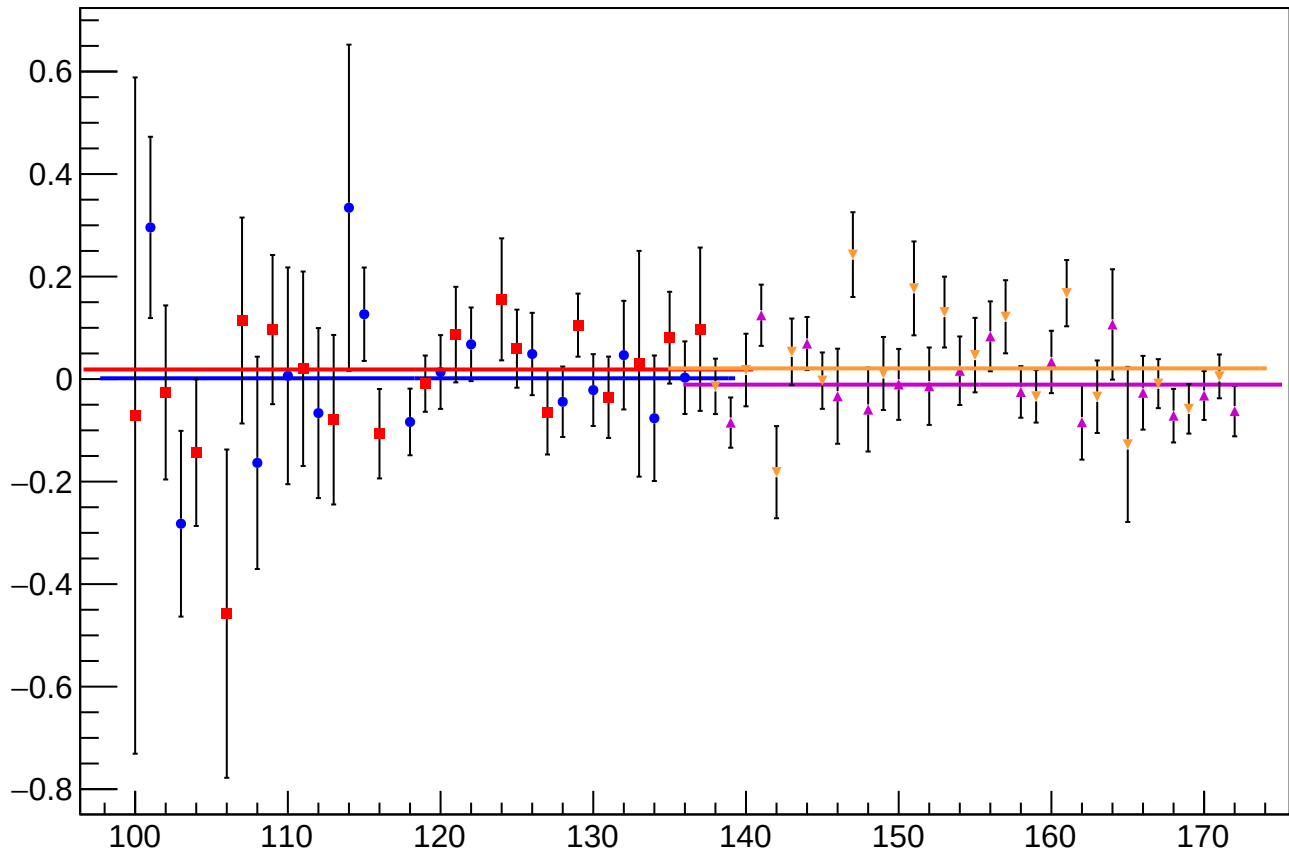
Left In: 0.000+/-0.000 χ^2/NDF : 2072588.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 5801830.0/33

All: 0.000+/-0.000 χ^2/NDF : 12116717.4/69

- sign 0.000+/-0.000 χ^2/NDF : 6290760.8/35

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.023 χ^2/NDF : 13.1/15

Left Out: 0.021 $\pm$ 0.015 χ^2/NDF : 31.8/17

Right Out: 0.019 $\pm$ 0.024 χ^2/NDF : 13.1/18

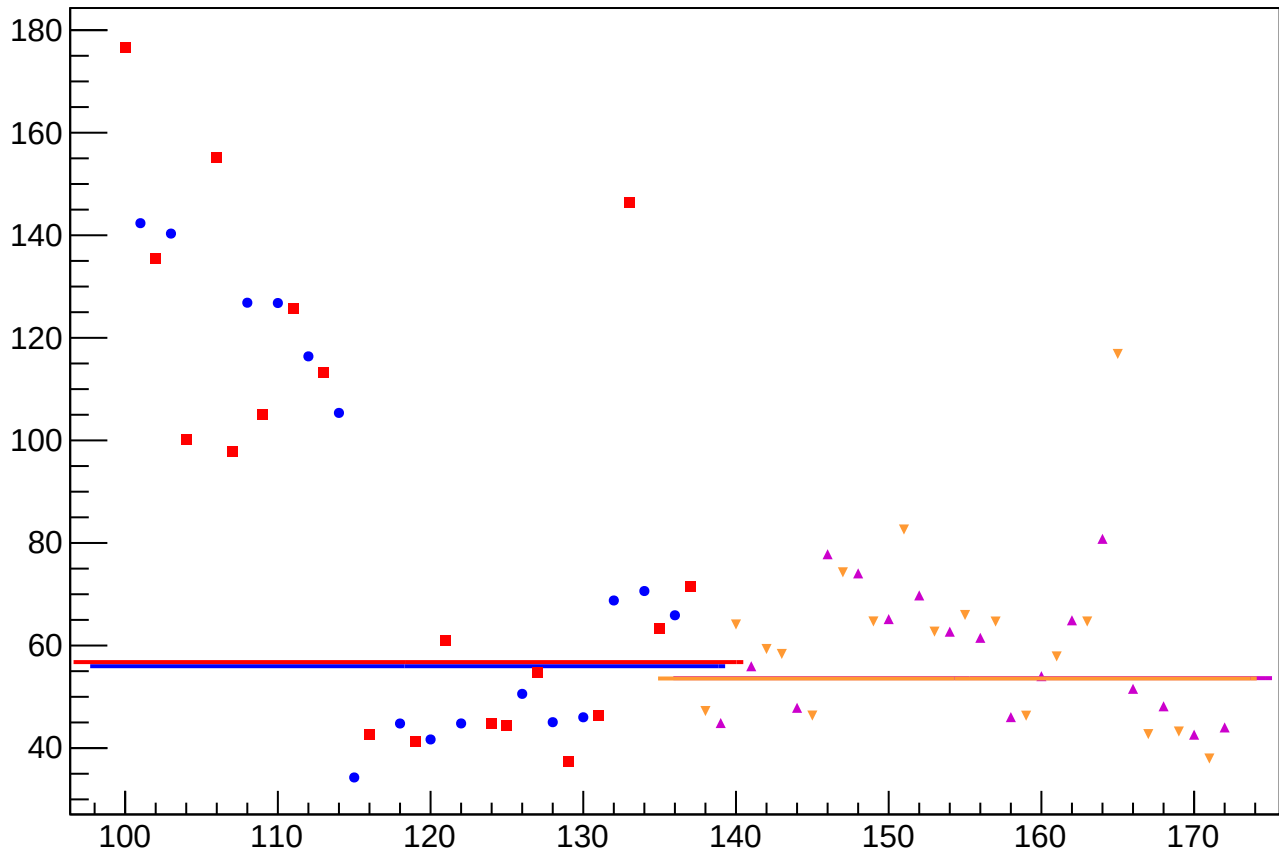
Left In: -0.011 $\pm$ 0.015 χ^2/NDF : 17.8/16

+ sign 0.015 $\pm$ 0.013 χ^2/NDF : 45.3/33

All: 0.007 $\pm$ 0.009 χ^2/NDF : 78.3/69

- sign -0.002 $\pm$ 0.013 χ^2/NDF : 32.0/35

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179829.3/15

Left Out: 53.574 $\pm$ 0.010 χ^2 /NDF: 1552668.4/17

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553223.5/18

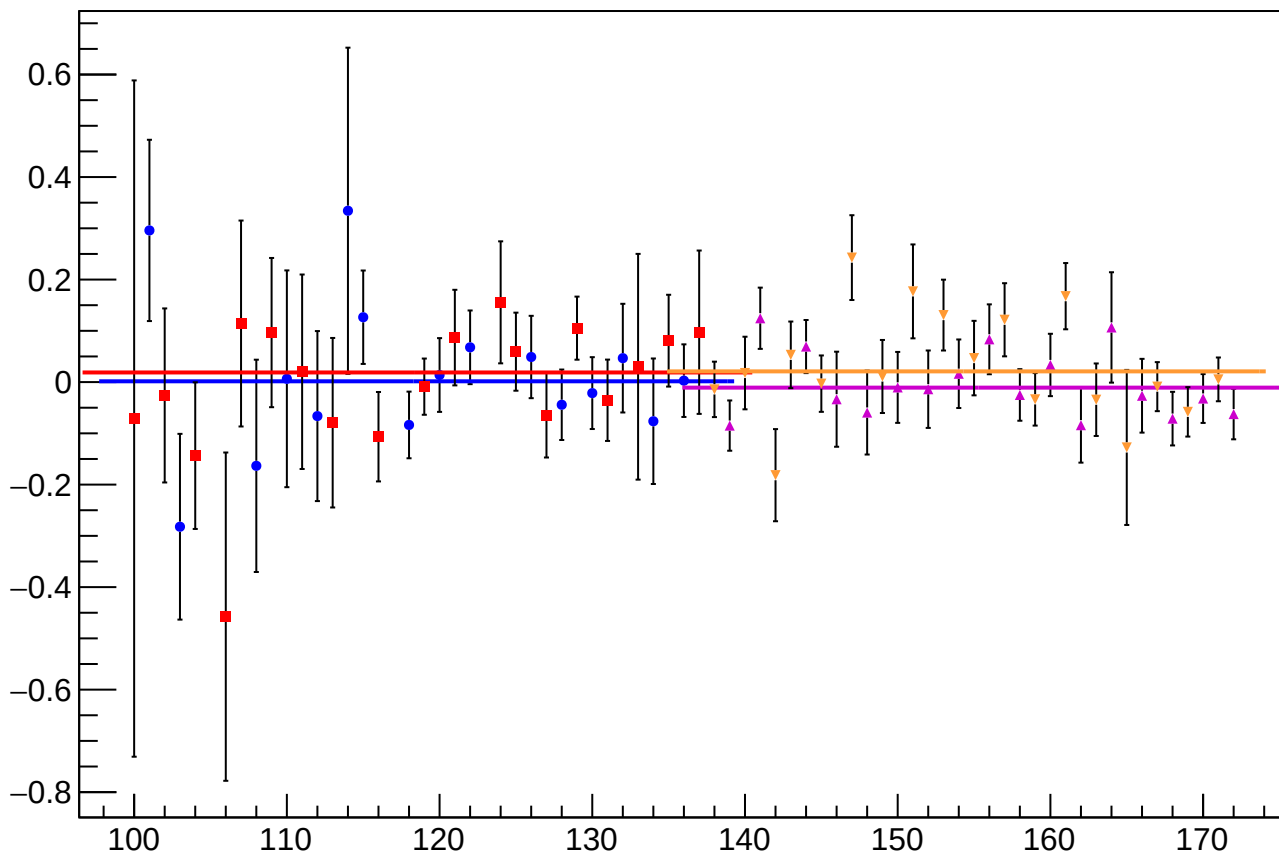
Left In: 53.641 $\pm$ 0.011 χ^2 /NDF: 989428.5/16

+ sign 54.256 $\pm$ 0.009 χ^2 /NDF: 3747448.2/33

All: 54.396 $\pm$ 0.006 χ^2 /NDF: 7315871.3/69

- sign 54.537 $\pm$ 0.009 χ^2 /NDF: 3567922.4/35

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

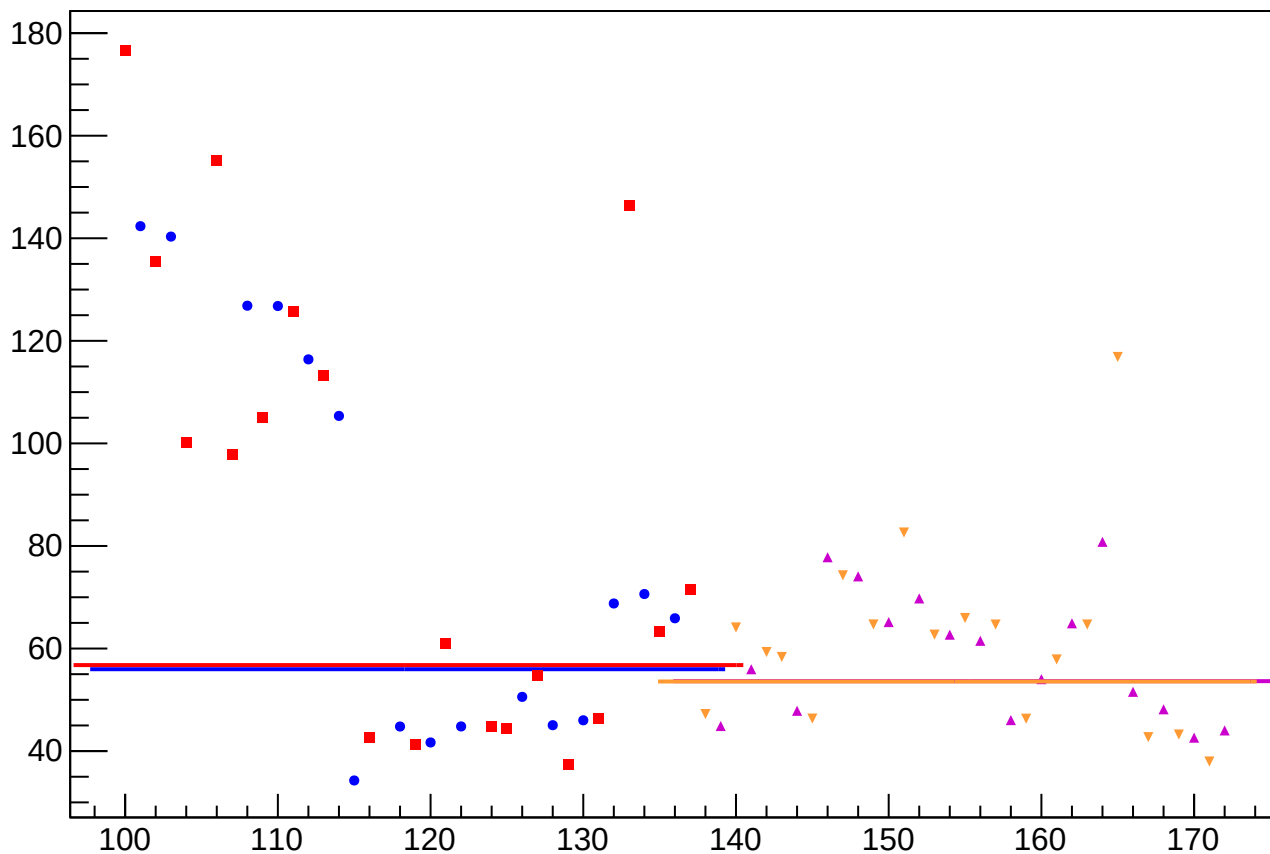
Left In: -0.011 ± 0.015 χ^2/NDF : 17.8/16

+ sign 0.015 ± 0.013 χ^2/NDF : 45.3/33

All: 0.007 ± 0.009 χ^2/NDF : 78.3/69

- sign -0.002 ± 0.013 χ^2/NDF : 32.0/35

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179829.3/15

Left Out: 53.574 $\pm$ 0.010 χ^2 /NDF: 1552668.4/17

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553223.5/18

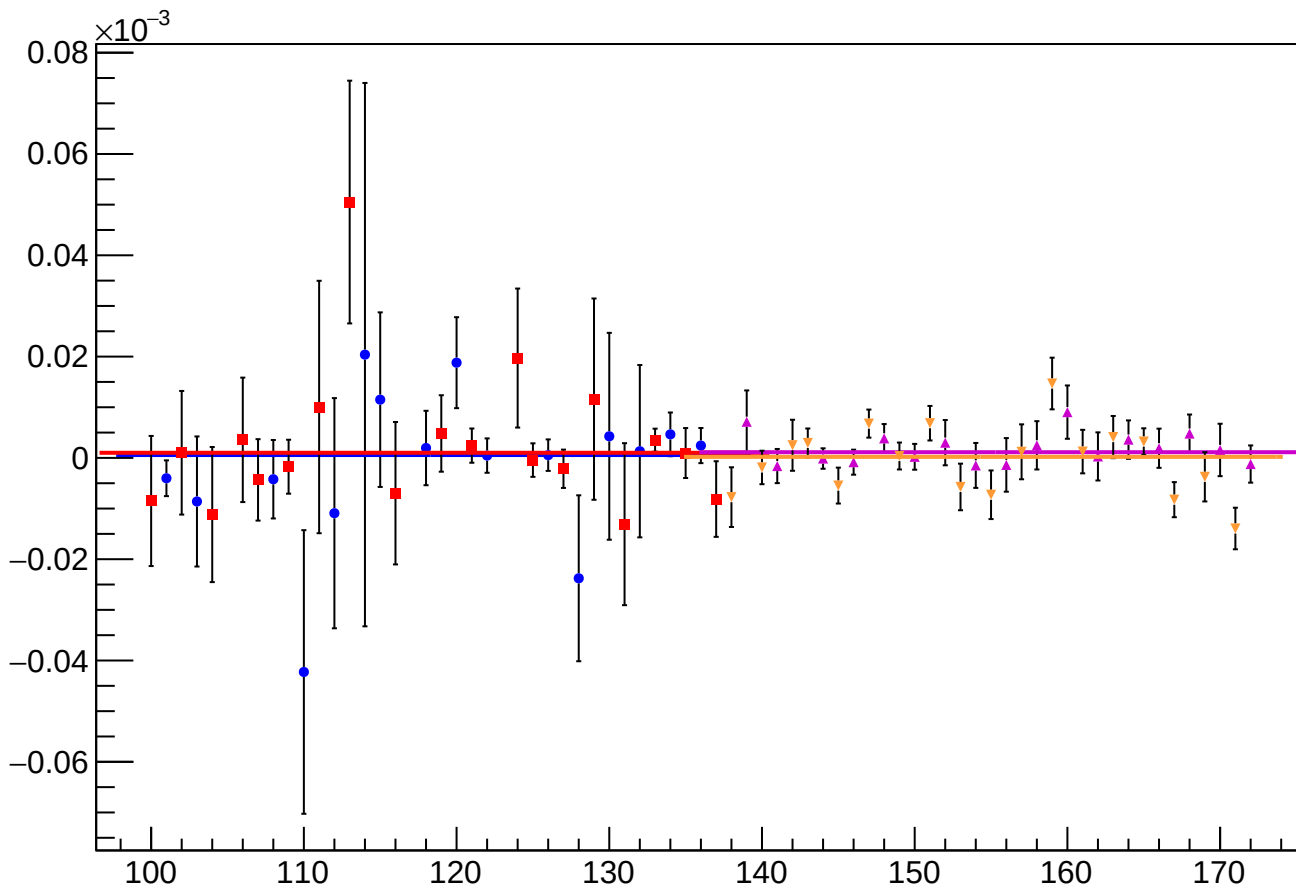
Left In: 53.641 $\pm$ 0.011 χ^2 /NDF: 989428.5/16

+ sign 54.256 $\pm$ 0.009 χ^2 /NDF: 3747448.2/33

All: 54.396 $\pm$ 0.006 χ^2 /NDF: 7315871.3/69

- sign 54.537 $\pm$ 0.009 χ^2 /NDF: 3567922.4/35

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:48.3/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.8/18

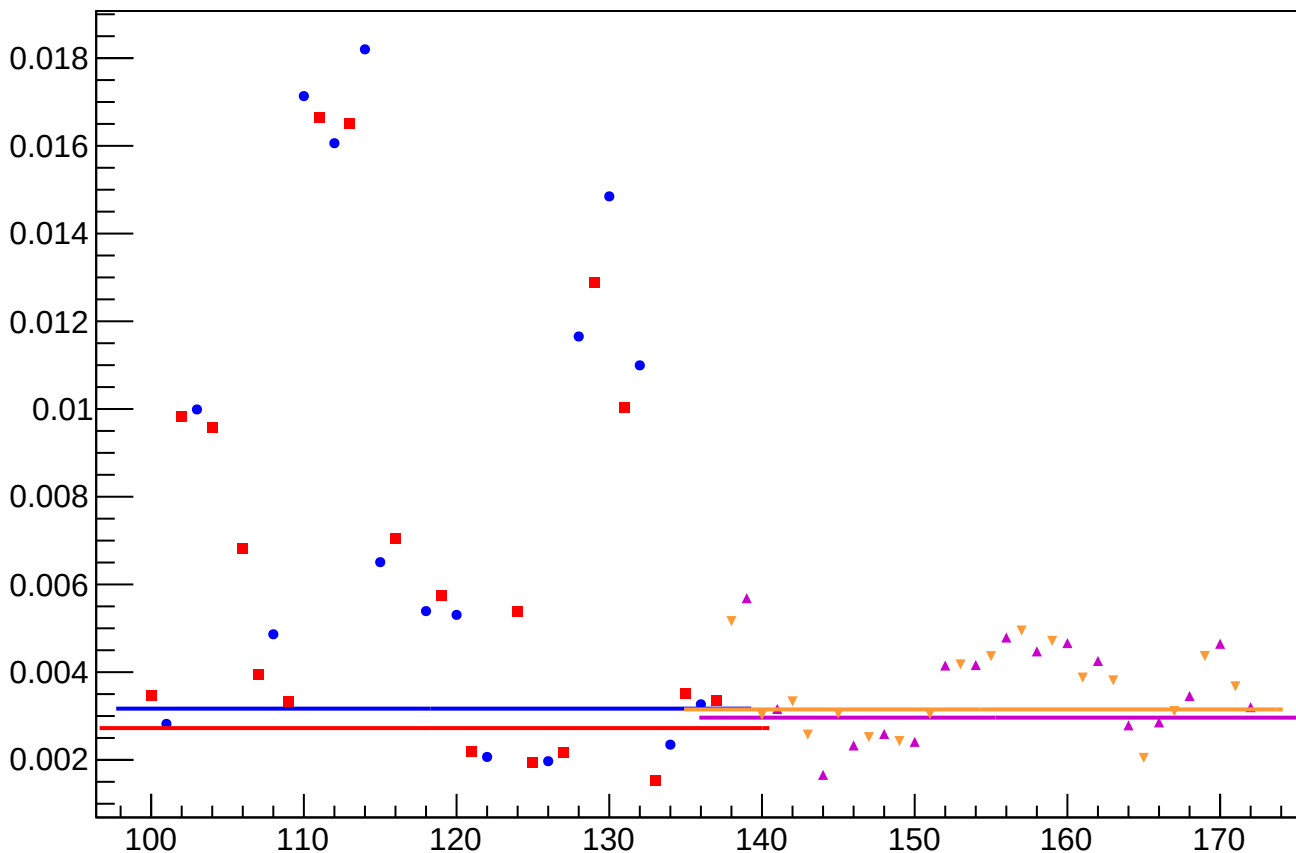
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:8.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 84.7/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.5/35

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF : 1832351.6/17

Right Out: 0.003+/-0.000 χ^2/NDF : 5153213.6/18

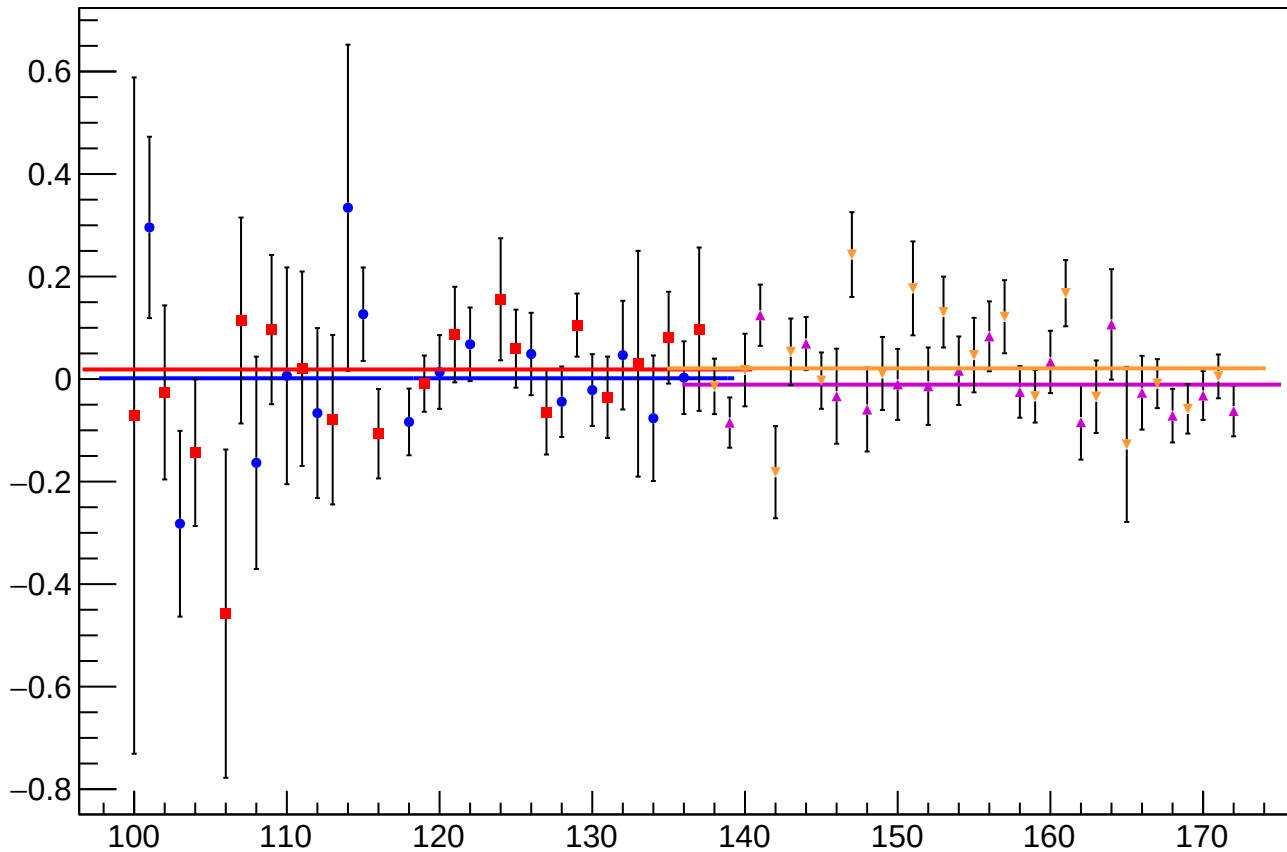
Left In: 0.003+/-0.000 χ^2/NDF : 2836956.9/16

+ sign 0.003+/-0.000 χ^2/NDF : 6378184.6/33

All: 0.003+/-0.000 χ^2/NDF : 14550838.5/69

- sign 0.003+/-0.000 χ^2/NDF : 8038616.5/35

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.023 $\chi^2/\text{NDF}: 13.1/15$

Left Out: 0.021 ± 0.015 $\chi^2/\text{NDF}: 31.8/17$

Right Out: 0.019 ± 0.024 $\chi^2/\text{NDF}: 13.1/18$

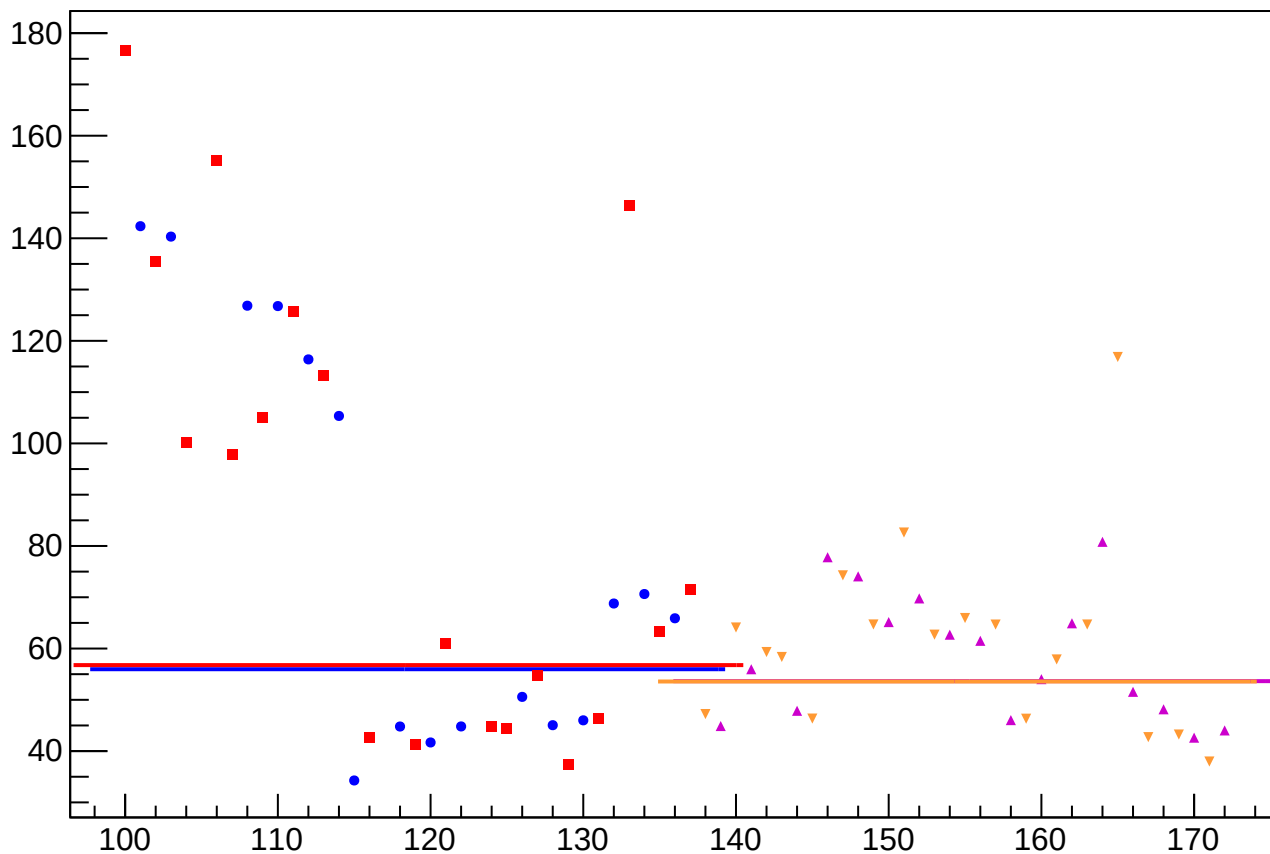
Left In: -0.011 ± 0.015 $\chi^2/\text{NDF}: 17.8/16$

+ sign 0.015 ± 0.013 $\chi^2/\text{NDF}: 45.3/33$

All: 0.007 ± 0.009 $\chi^2/\text{NDF}: 78.3/69$

- sign -0.002 ± 0.013 $\chi^2/\text{NDF}: 32.0/35$

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179757.6/15

Left Out: 53.574 $\pm$ 0.010 χ^2 /NDF: 1552639.0/17

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553168.3/18

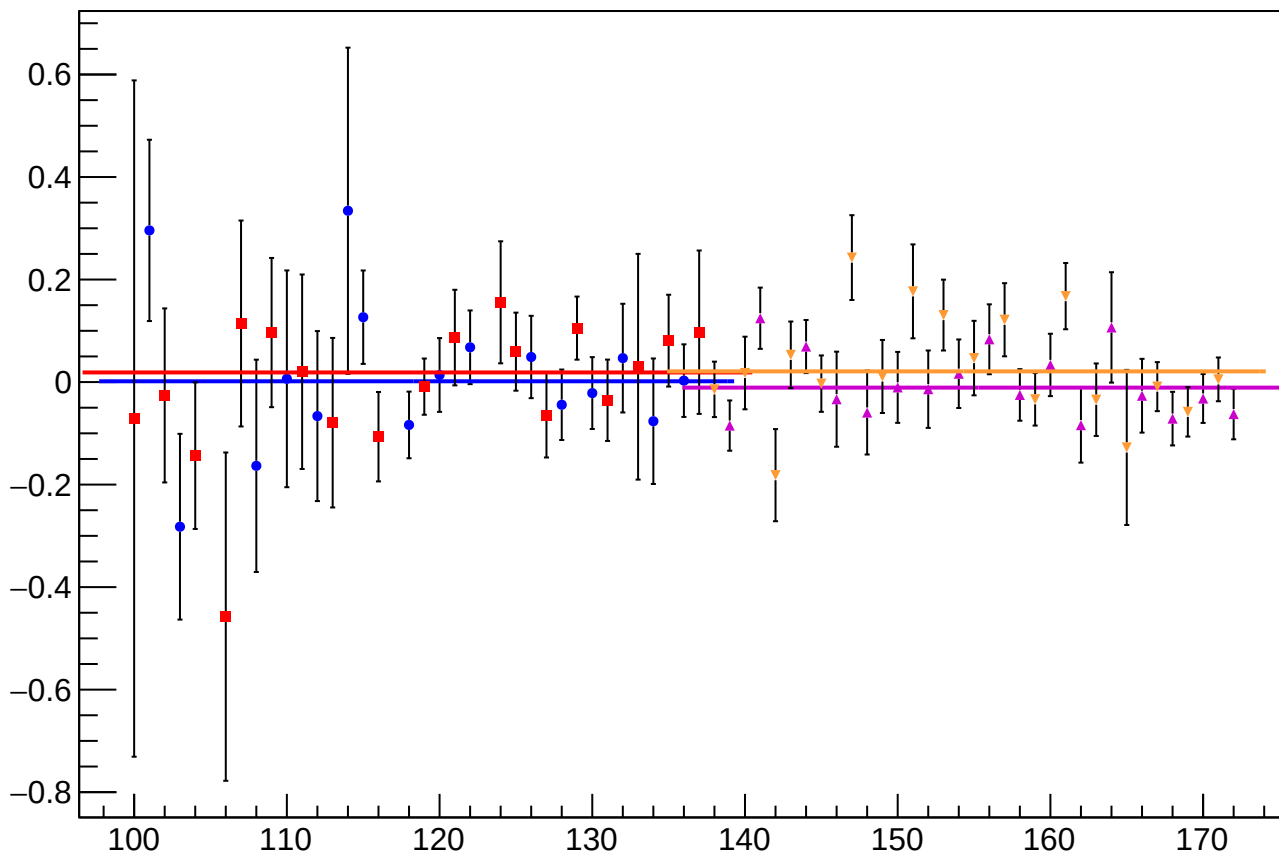
Left In: 53.642 $\pm$ 0.011 χ^2 /NDF: 989407.7/16

+ sign 54.257 $\pm$ 0.009 χ^2 /NDF: 3747336.4/33

All: 54.396 $\pm$ 0.006 χ^2 /NDF: 7315664.6/69

- sign 54.538 $\pm$ 0.009 χ^2 /NDF: 3567827.5/35

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.023 χ^2/NDF : 13.1/15

Left Out: 0.021 $\pm$ 0.015 χ^2/NDF :31.8/17

Right Out: 0.019 $\pm$ 0.024 χ^2/NDF : 13.1/18

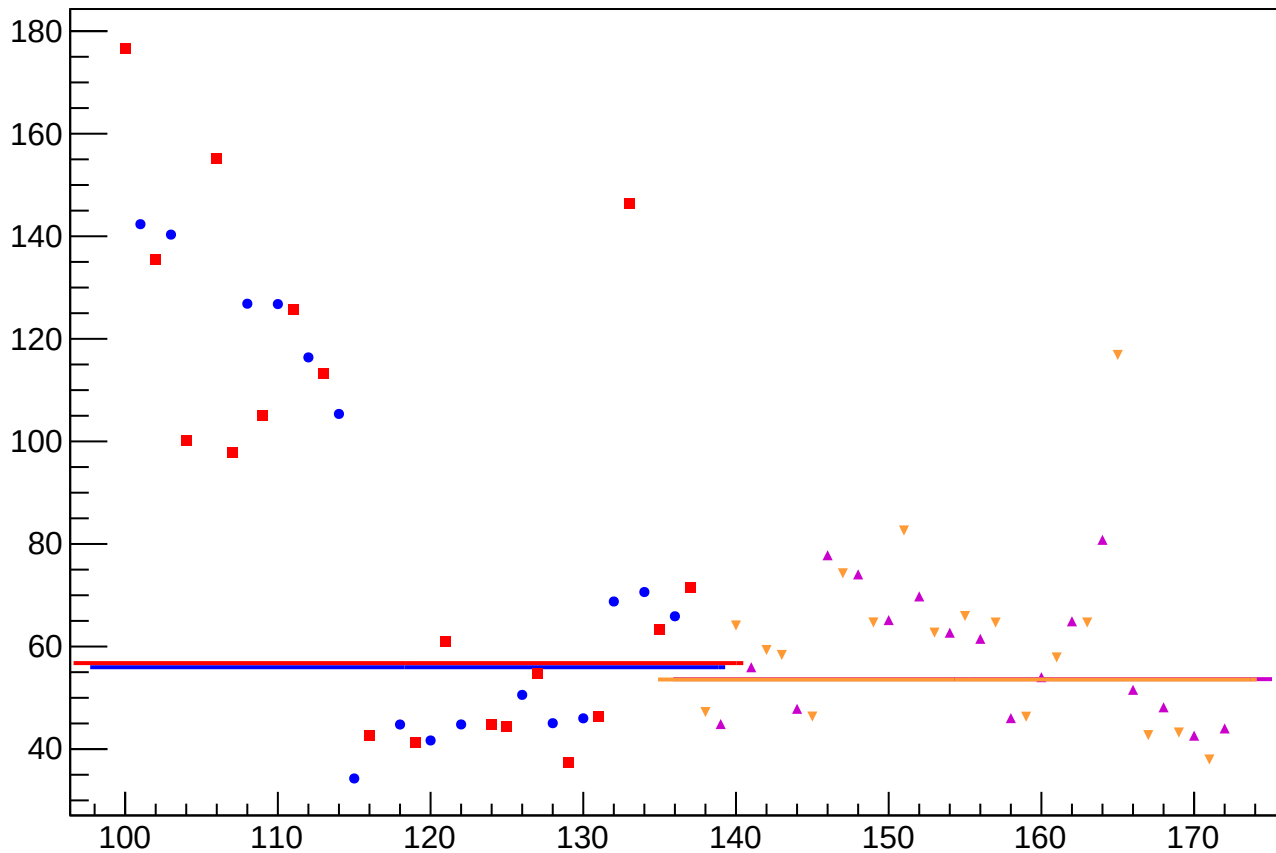
Left In: -0.011 $\pm$ 0.015 χ^2/NDF :17.8/16

+ sign 0.015 $\pm$ 0.013 χ^2/NDF : 45.3/33

All: 0.007 $\pm$ 0.009 χ^2/NDF : 78.3/69

- sign -0.002 $\pm$ 0.013 χ^2/NDF : 32.0/35

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 55.968 $\pm$ 0.017 χ^2 /NDF: 2179757.6/15

Left Out: 53.574 $\pm$ 0.010 χ^2 /NDF: 1552639.0/17

Right Out: 56.770 $\pm$ 0.017 χ^2 /NDF: 2553168.3/18

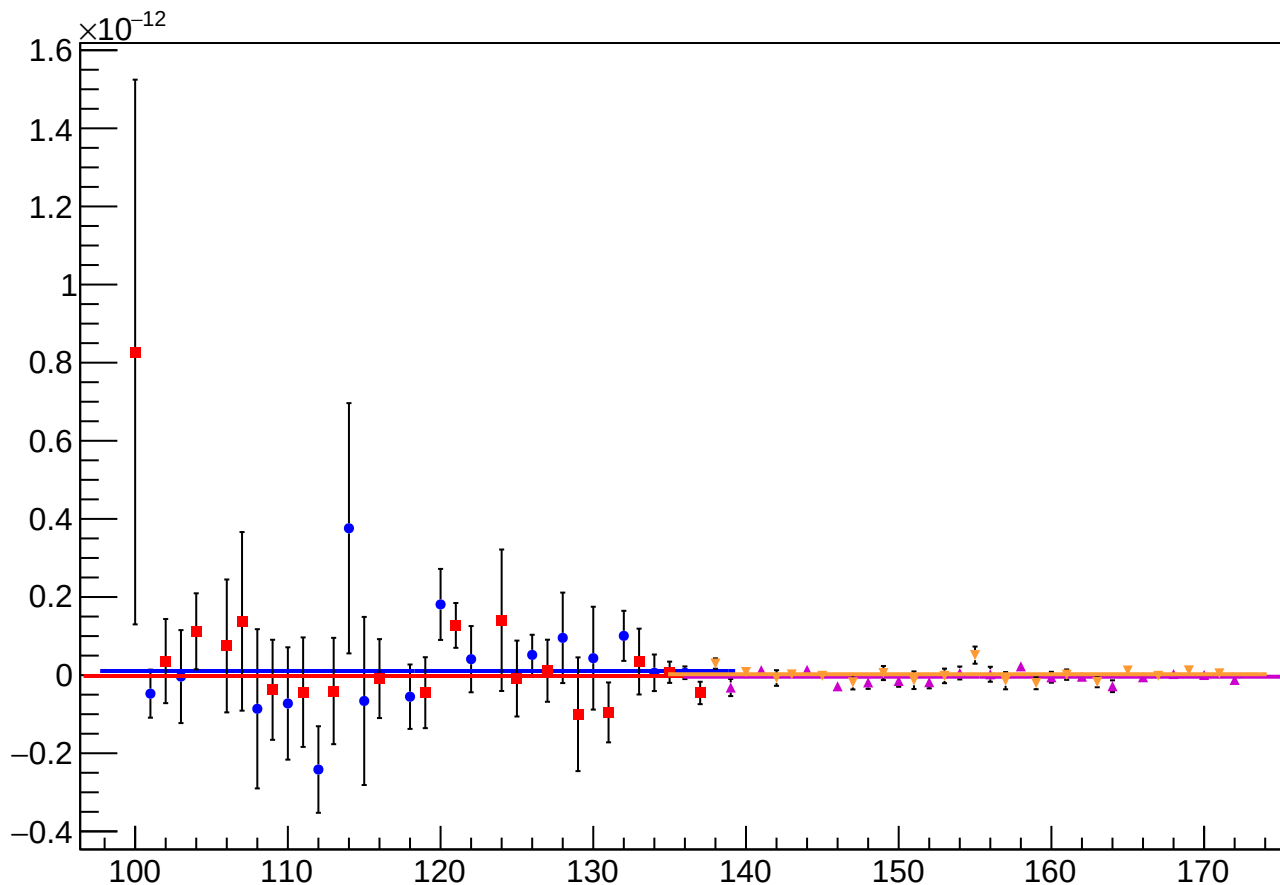
Left In: 53.642 $\pm$ 0.011 χ^2 /NDF: 989407.7/16

+ sign 54.257 $\pm$ 0.009 χ^2 /NDF: 3747336.4/33

All: 54.396 $\pm$ 0.006 χ^2 /NDF: 7315664.6/69

- sign 54.538 $\pm$ 0.009 χ^2 /NDF: 3567827.5/35

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 19.5/17

Right Out: -0.000+/-0.000 χ^2/NDF : 14.3/18

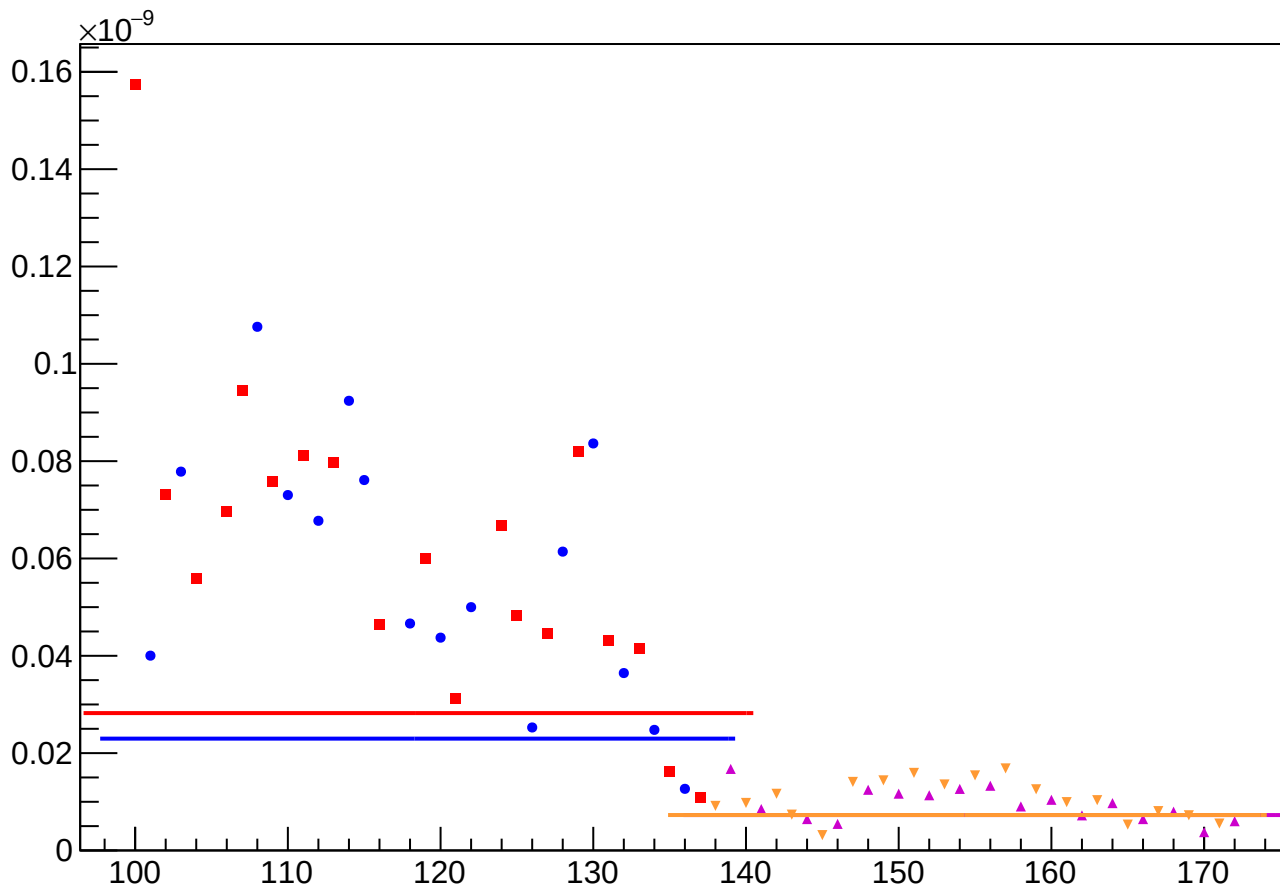
Left In: -0.000+/-0.000 χ^2/NDF : 29.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 35.6/33

All: -0.000+/-0.000 χ^2/NDF : 82.6/69

- sign -0.000+/-0.000 χ^2/NDF : 43.7/35

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

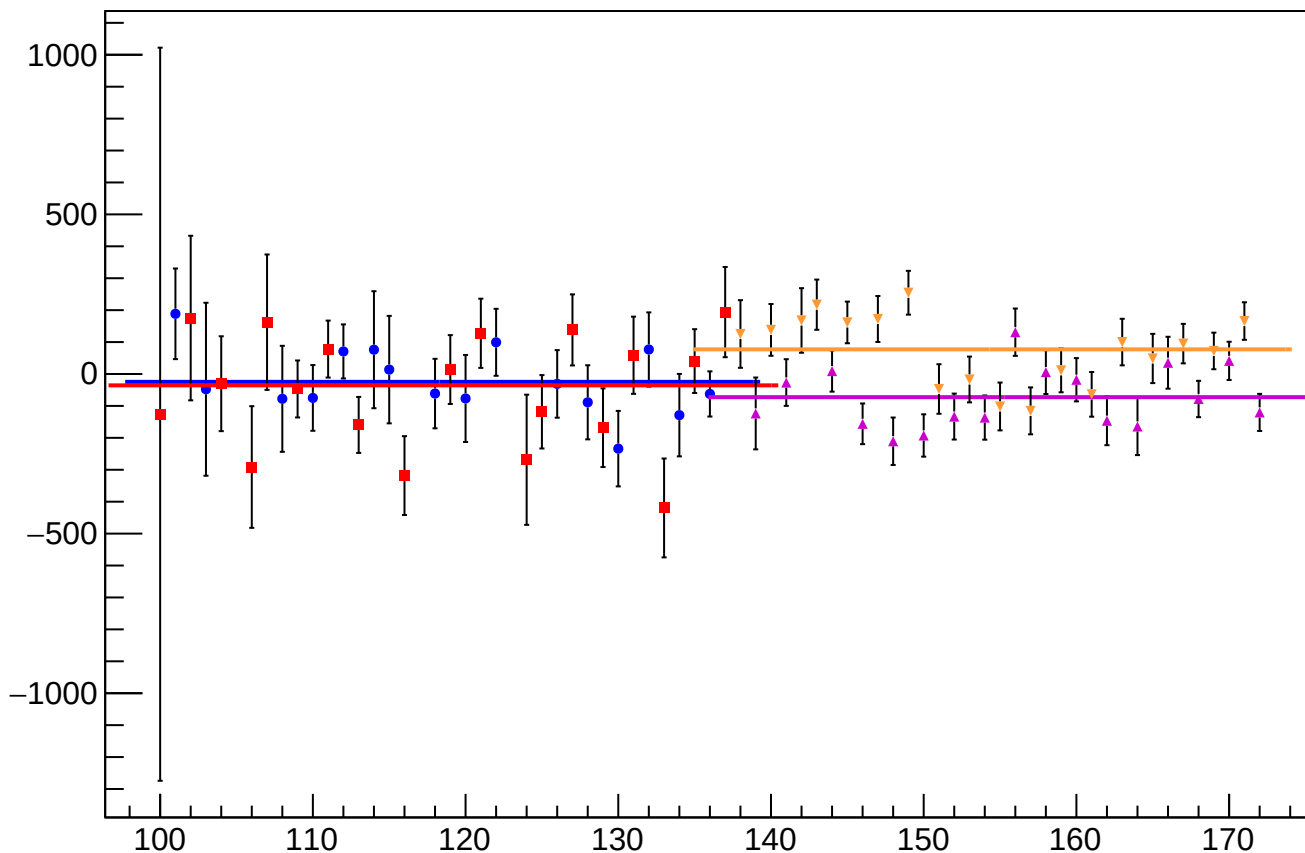
Left In: 0.000+/-0.000 χ^2/NDF : 2406933.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 10483054.7/33

All: 0.000+/-0.000 χ^2/NDF : 20265455.7/69

- sign 0.000+/-0.000 χ^2/NDF : 9781880.3/35

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

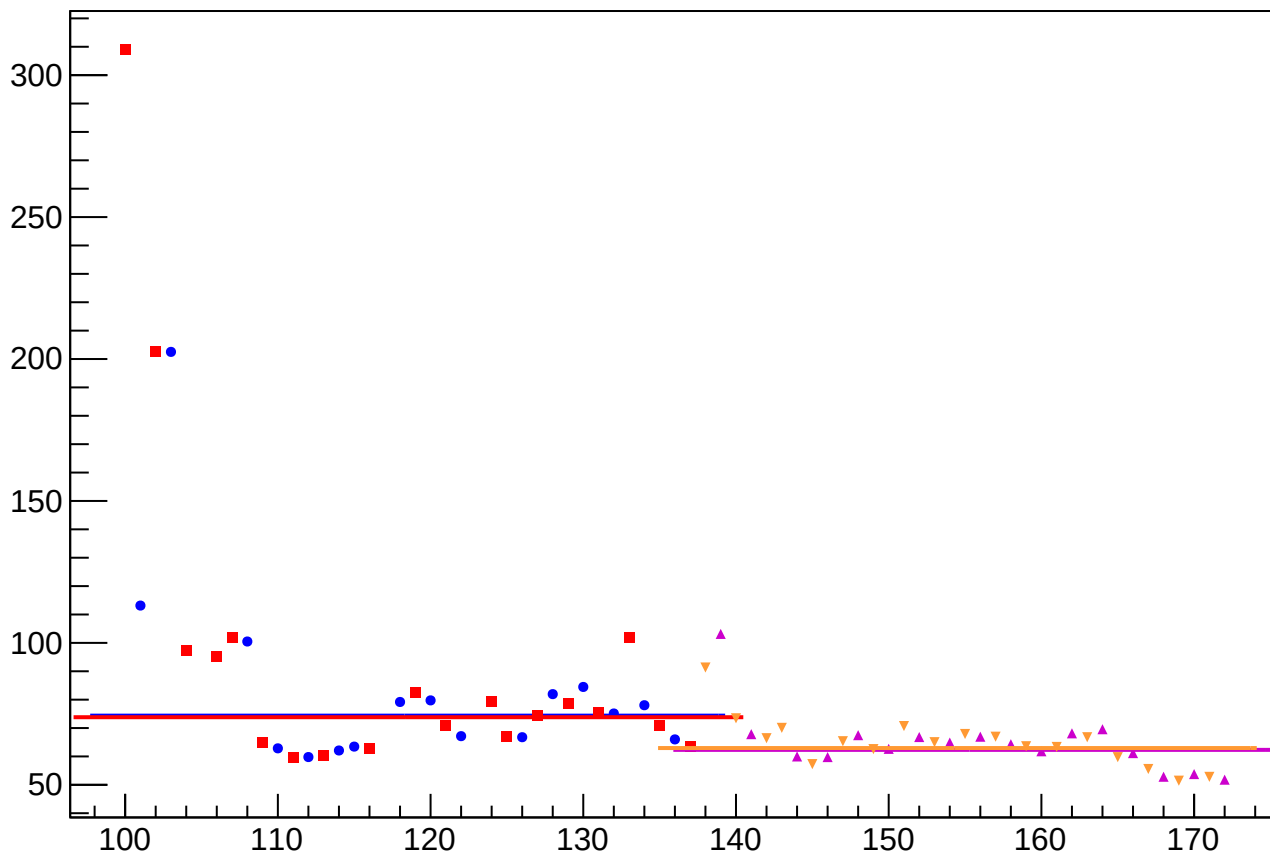
Left In: -72.560 ± 16.893 χ^2/NDF : 29.7/16

+ sign 51.207 ± 14.605 χ^2/NDF : 59.6/33

All: -6.167 ± 10.299 χ^2/NDF : 151.3/69

- sign -62.923 ± 14.526 χ^2/NDF : 61.1/35

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

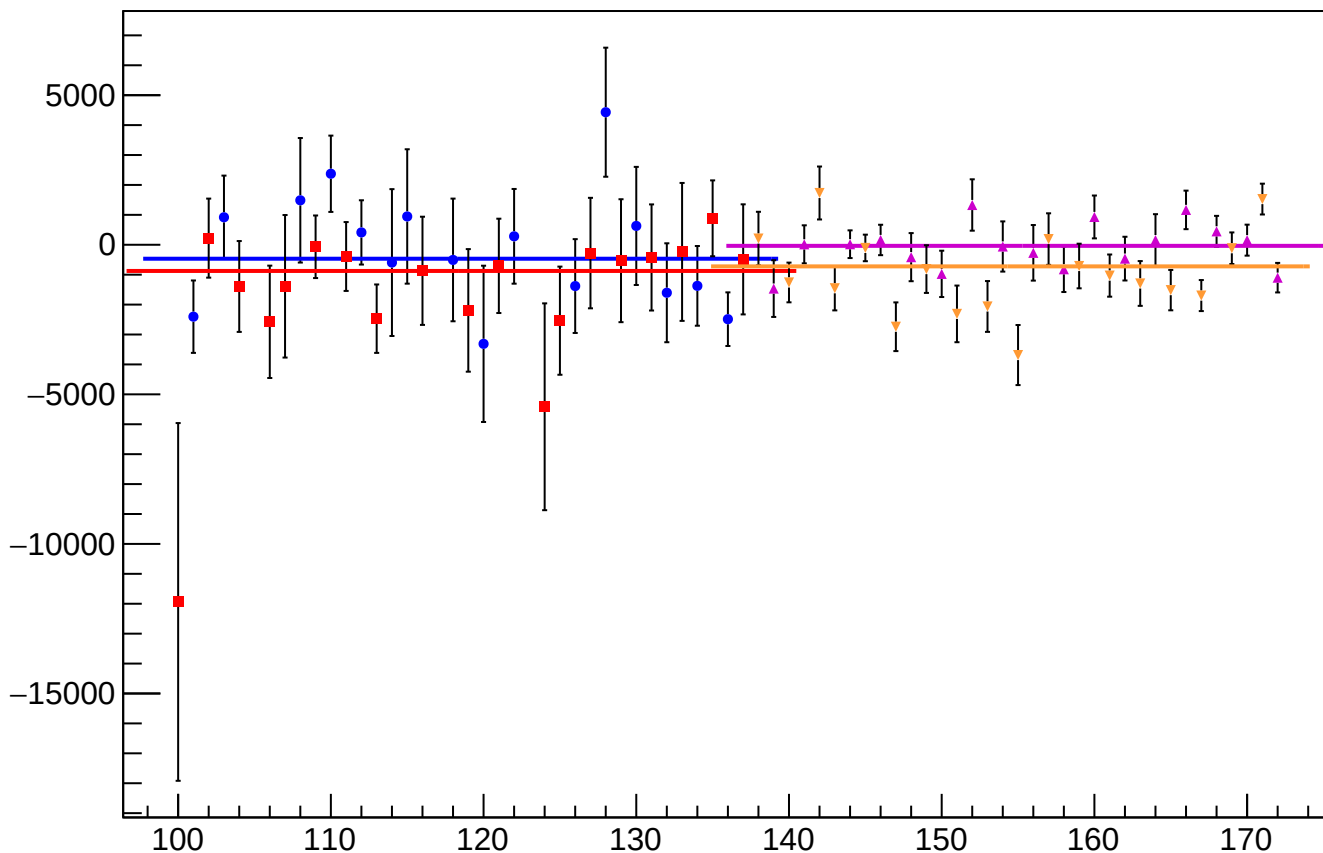
Left In: 62.314+/-0.012 χ^2/NDF : 497060.0/16

+ sign 65.866+/-0.010 χ^2/NDF : 1486586.0/33

All: 65.587+/-0.007 χ^2/NDF : 3158652.5/69

- sign 65.311+/-0.010 χ^2/NDF : 1670612.6/35

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -466.524 $\pm$ 375.030 χ^2/NDF : 23.7/15

Left Out: -722.495 $\pm$ 161.205 χ^2/NDF : 59.7/17

Right Out: -875.351 $\pm$ 372.239 χ^2/NDF : 13.1/18

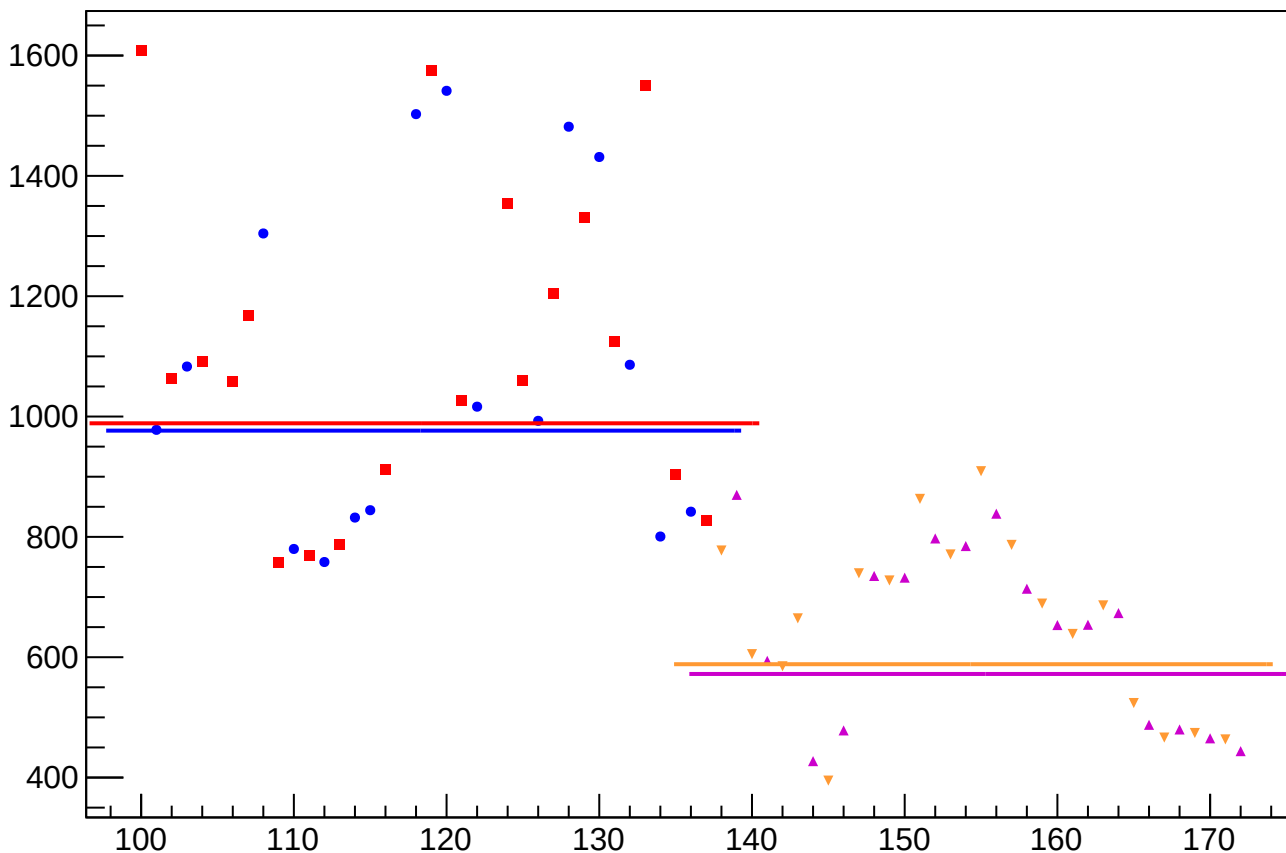
Left In: -36.000 $\pm$ 157.840 χ^2/NDF : 19.1/16

+ sign -682.576 $\pm$ 148.102 χ^2/NDF : 83.8/33

All: -418.321 $\pm$ 103.725 χ^2/NDF : 126.5/69

- sign -163.916 $\pm$ 145.316 χ^2/NDF : 36.5/35

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

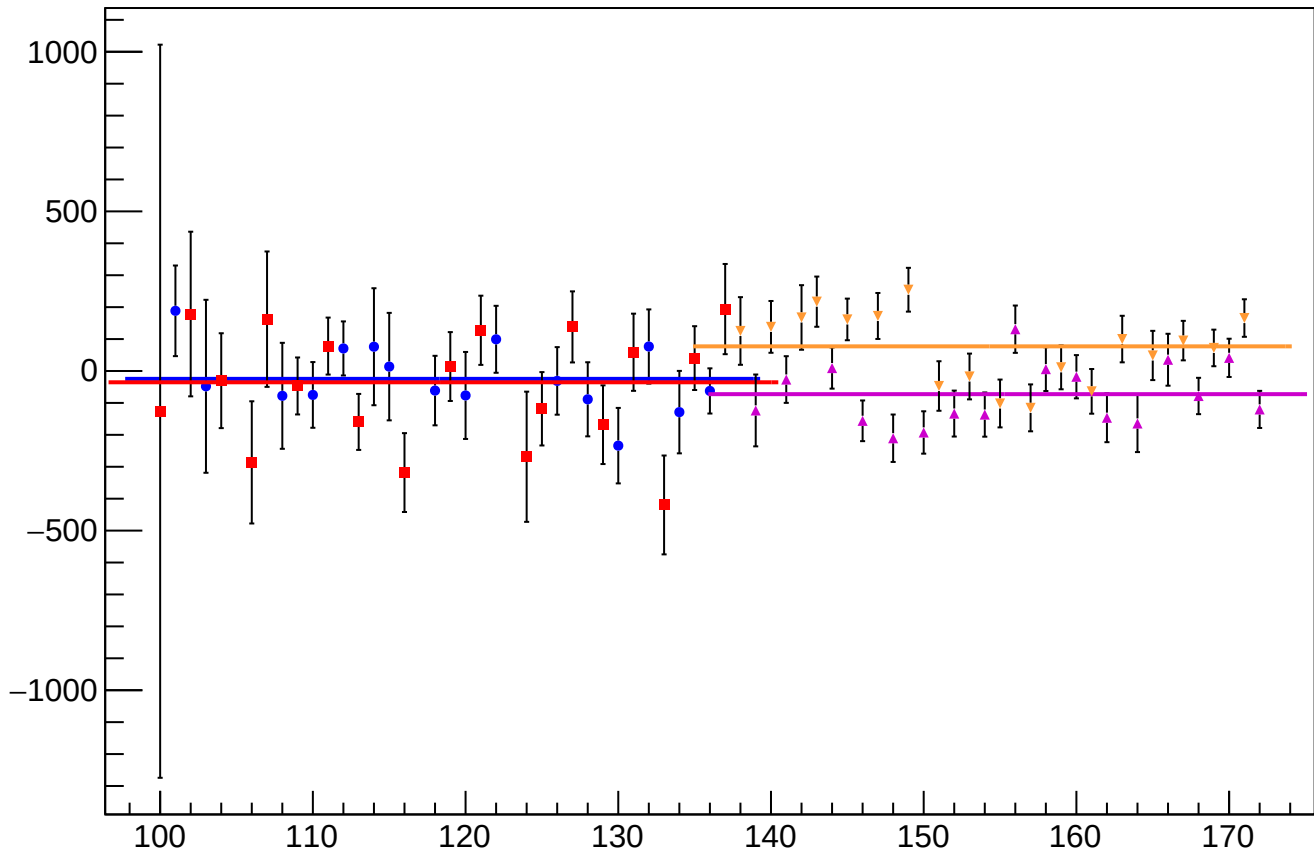
Left In: 572.147 ± 0.112 χ^2/NDF : 1527388.0/16

+ sign 648.917 ± 0.105 χ^2/NDF : 4158565.0/33

All: 642.152 ± 0.073 χ^2/NDF : 8533341.2/69

- sign 635.639 ± 0.103 χ^2/NDF : 4366584.9/35

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

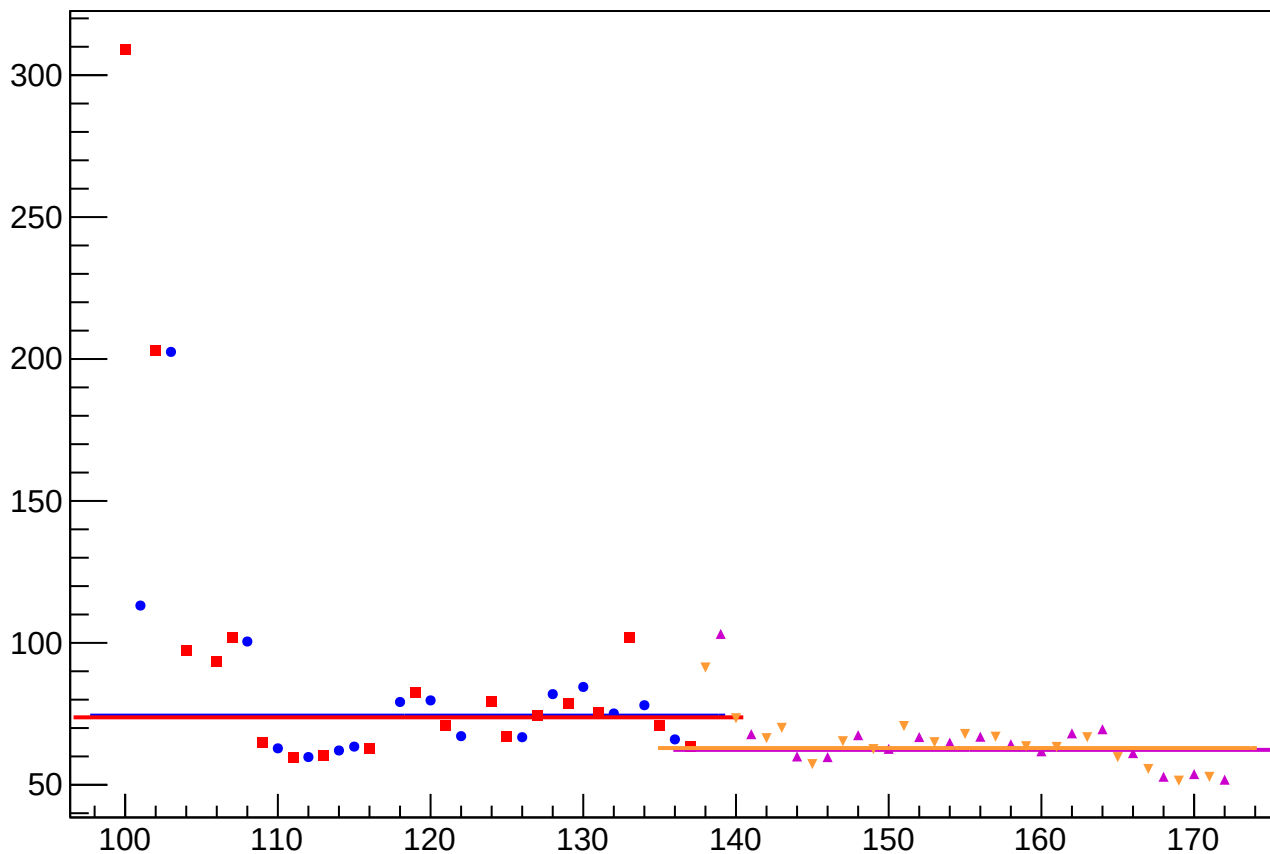
Left In: -72.558 ± 16.893 χ^2/NDF : 29.7/16

+ sign 51.207 ± 14.605 χ^2/NDF : 59.6/33

All: -6.139 ± 10.299 χ^2/NDF : 151.2/69

- sign -62.871 ± 14.526 χ^2/NDF : 61.0/35

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

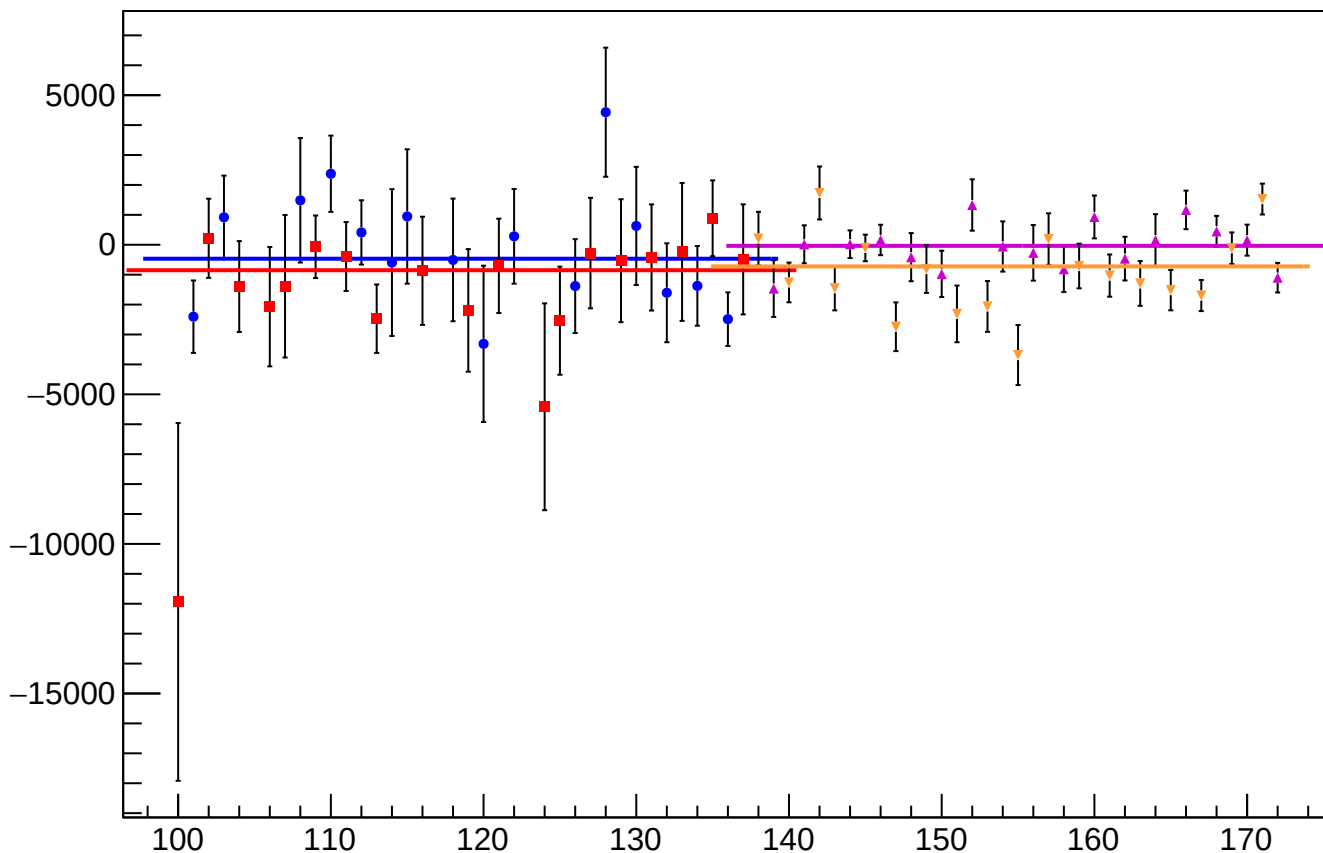
Left In: 62.314+/-0.012 χ^2 /NDF: 497060.0/16

+ sign 65.866+/-0.010 χ^2 /NDF: 1486587.8/33

All: 65.581+/-0.007 χ^2 /NDF: 3153137.8/69

- sign 65.300+/-0.010 χ^2 /NDF: 1665036.0/35

asym_sam_37_avg_cor_correction_mean vs Slug



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

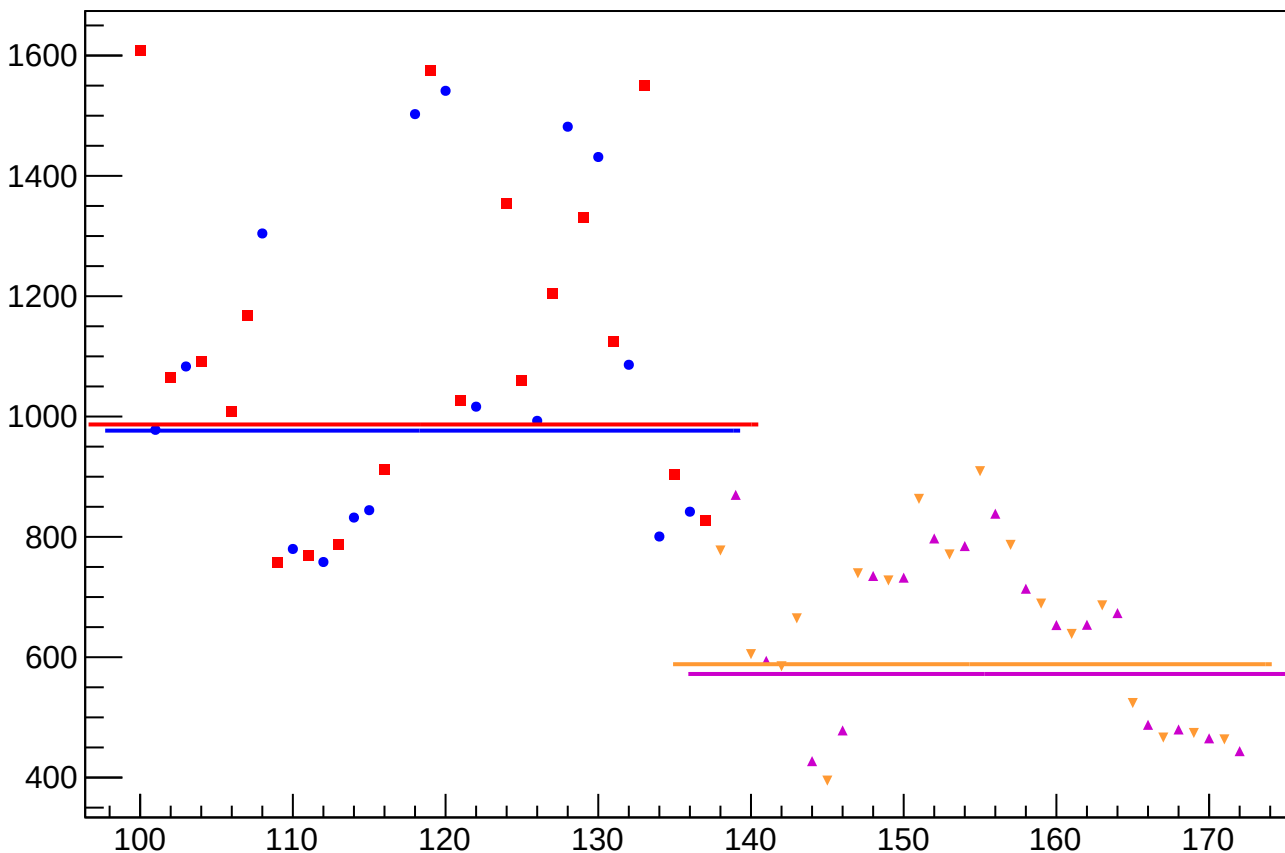
Left In: -35.998 ± 157.840 χ^2/NDF : 19.1/16

+ sign -682.570 ± 148.102 χ^2/NDF : 83.8/33

All: -416.254 ± 103.743 χ^2/NDF : 125.9/69

- sign -159.686 ± 145.367 χ^2/NDF : 35.8/35

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2 /NDF: 736628.5/15

Left Out: 588.375 $\pm$ 0.114 χ^2 /NDF: 1613159.8/17

Right Out: 986.823 $\pm$ 0.264 χ^2 /NDF: 713316.0/18

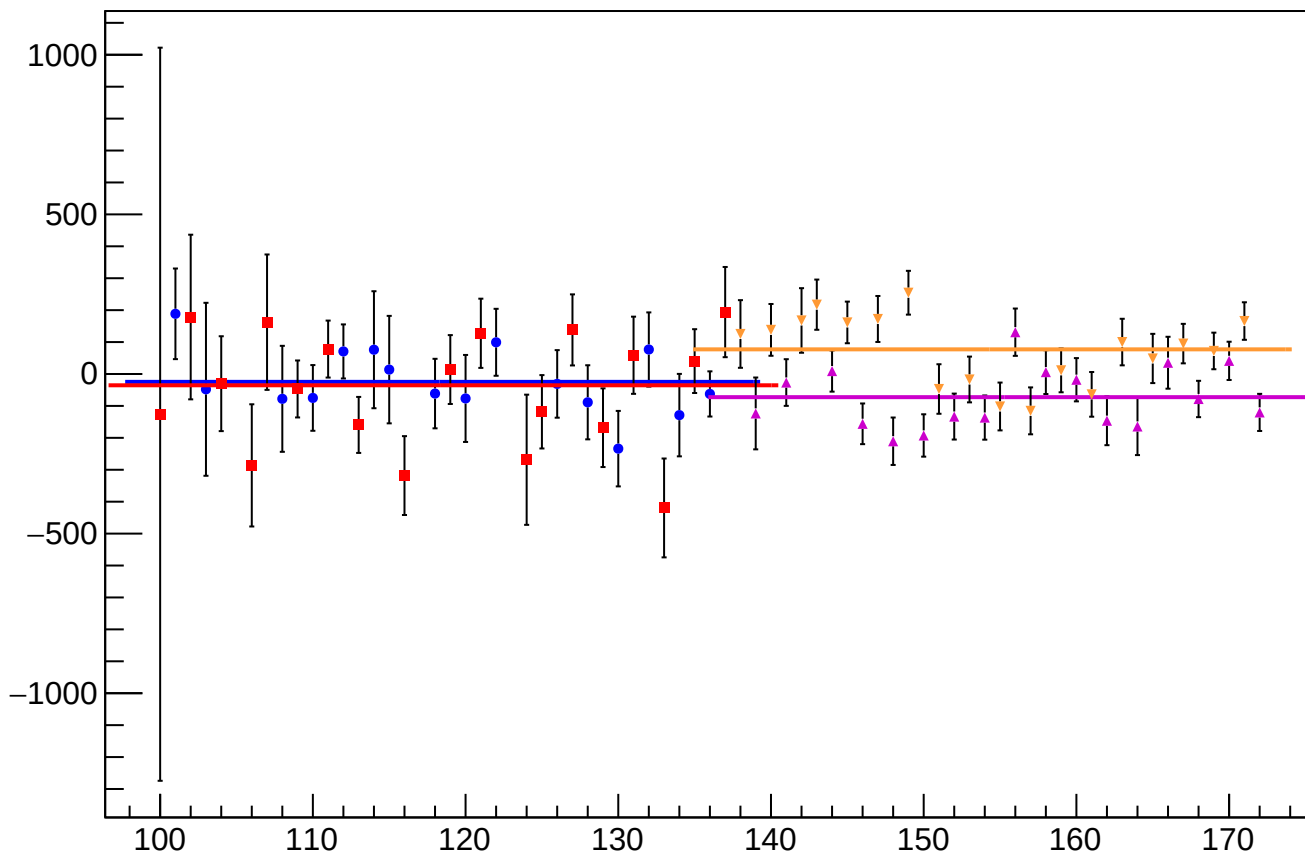
Left In: 572.147 $\pm$ 0.112 χ^2 /NDF: 1527389.7/16

+ sign 648.917 $\pm$ 0.105 χ^2 /NDF: 4158628.1/33

All: 641.879 $\pm$ 0.073 χ^2 /NDF: 8503815.2/69

- sign 635.098 $\pm$ 0.103 χ^2 /NDF: 4336318.4/35

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

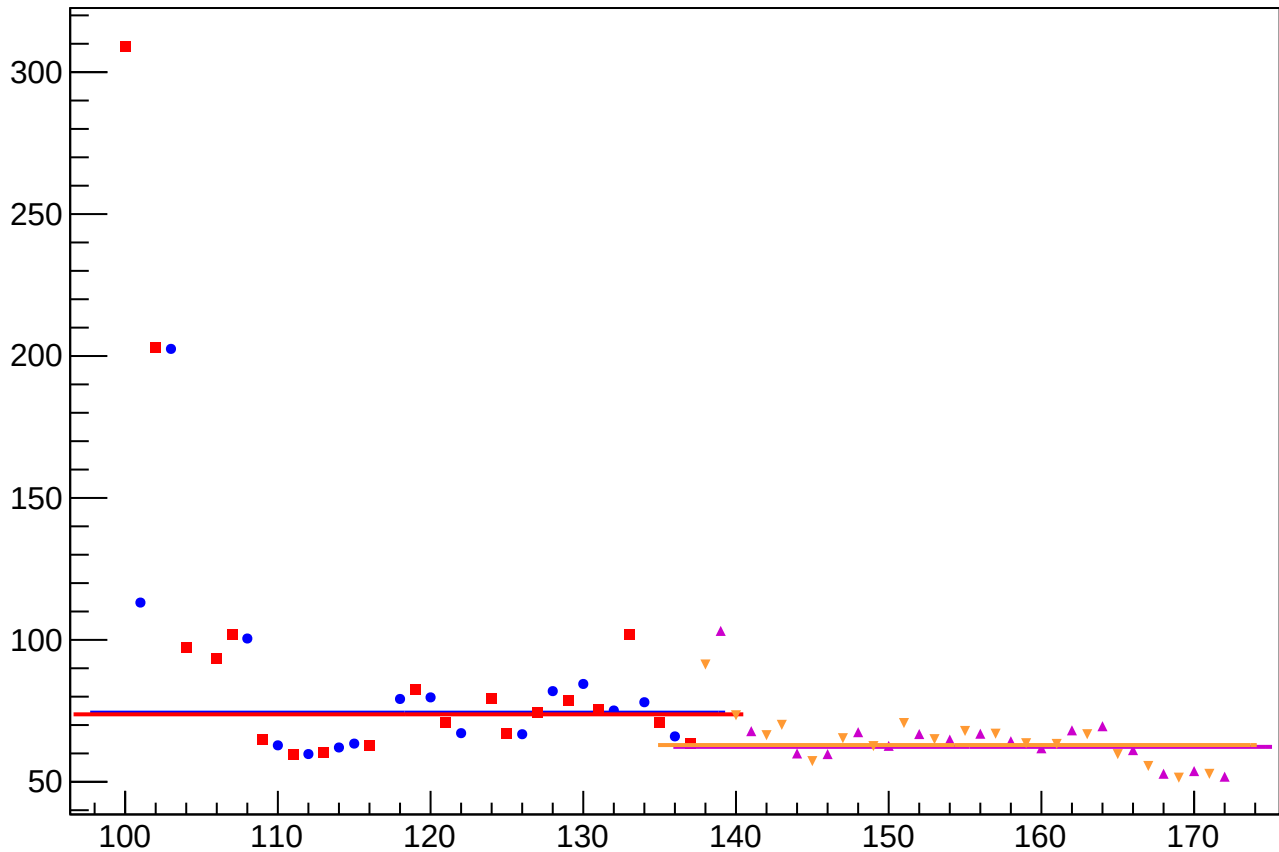
Left In: -72.558 ± 16.893 χ^2/NDF : 29.7/16

+ sign 51.207 ± 14.605 χ^2/NDF : 59.6/33

All: -6.139 ± 10.299 χ^2/NDF : 151.2/69

- sign -62.871 ± 14.526 χ^2/NDF : 61.0/35

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.369 $\pm$ 0.020 χ^2 /NDF: 827585.2/15

Left Out: 62.954 $\pm$ 0.012 χ^2 /NDF: 426781.7/17

Right Out: 73.773 $\pm$ 0.020 χ^2 /NDF: 928163.8/18

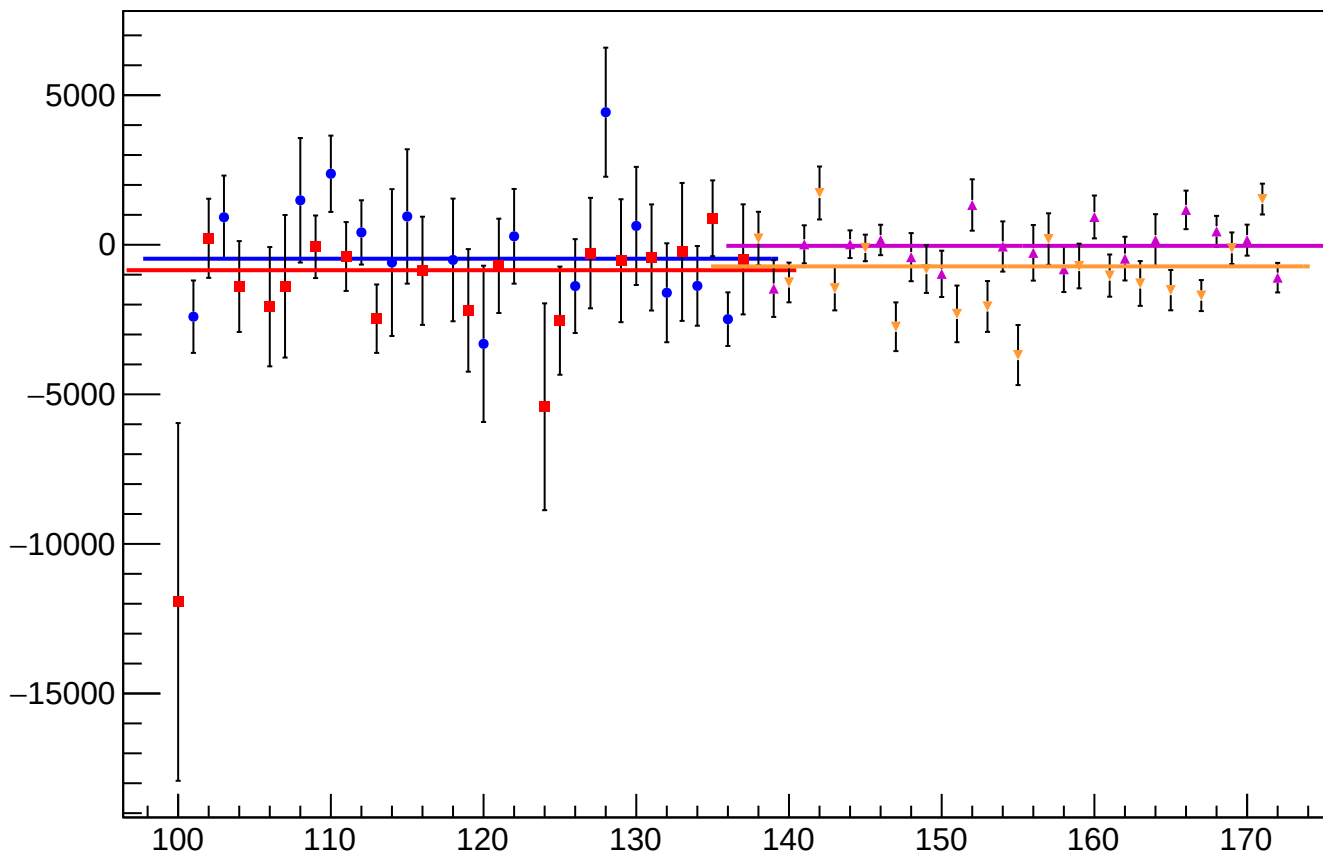
Left In: 62.314 $\pm$ 0.012 χ^2 /NDF: 497060.0/16

+ sign 65.866 $\pm$ 0.010 χ^2 /NDF: 1486587.8/33

All: 65.581 $\pm$ 0.007 χ^2 /NDF: 3153137.8/69

- sign 65.300 $\pm$ 0.010 χ^2 /NDF: 1665036.0/35

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -466.511 $\pm$ 375.033 χ^2 /NDF: 23.7/15

Left Out: -722.491 $\pm$ 161.205 χ^2 /NDF: 59.7/17

Right Out: -850.757 $\pm$ 373.092 χ^2 /NDF: 12.6/18

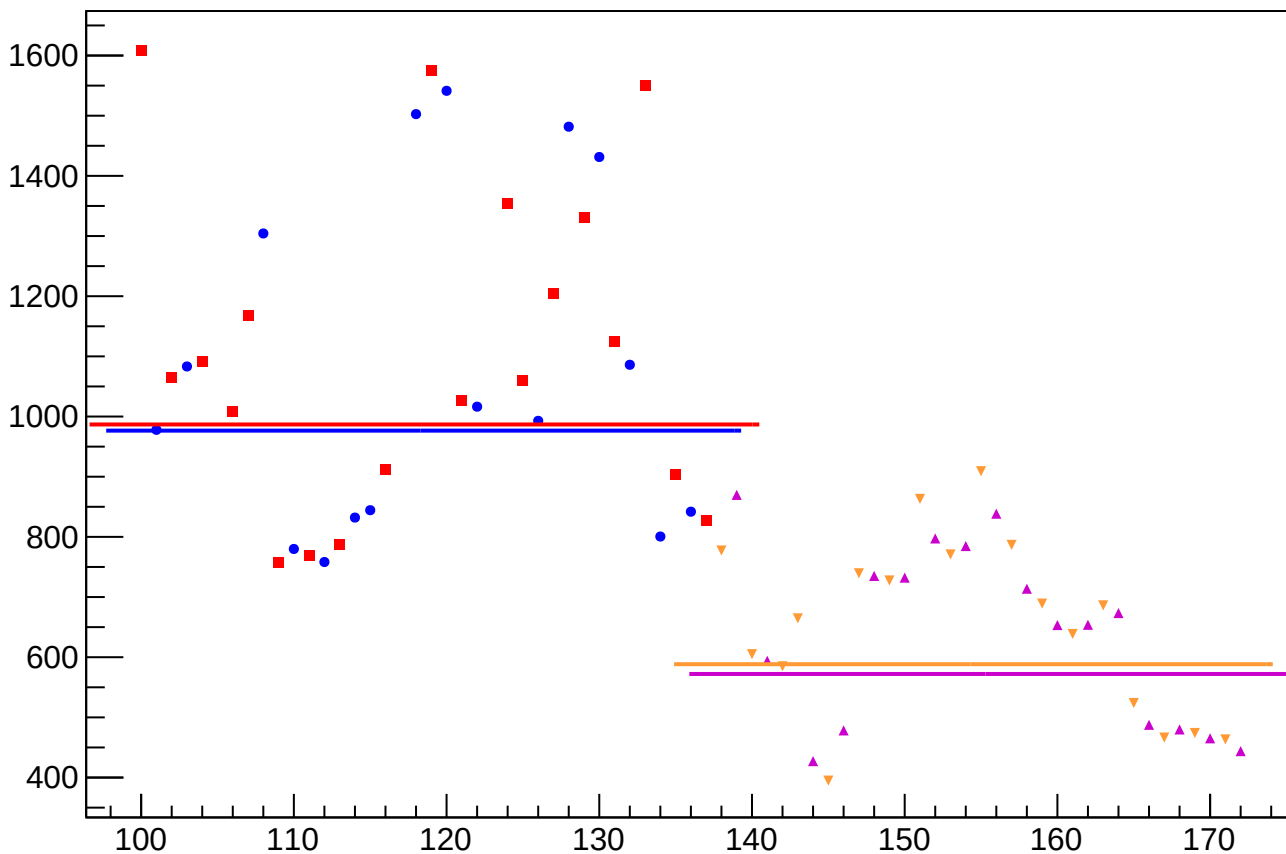
Left In: -35.998 $\pm$ 157.840 χ^2 /NDF: 19.1/16

+ sign -682.570 $\pm$ 148.102 χ^2 /NDF: 83.8/33

All: -416.254 $\pm$ 103.743 χ^2 /NDF: 125.9/69

- sign -159.686 $\pm$ 145.367 χ^2 /NDF: 35.8/35

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 976.589 $\pm$ 0.265 χ^2/NDF : 736628.5/15

Left Out: 588.375 $\pm$ 0.114 χ^2/NDF : 1613159.8/17

Right Out: 986.823 $\pm$ 0.264 χ^2/NDF : 713316.0/18

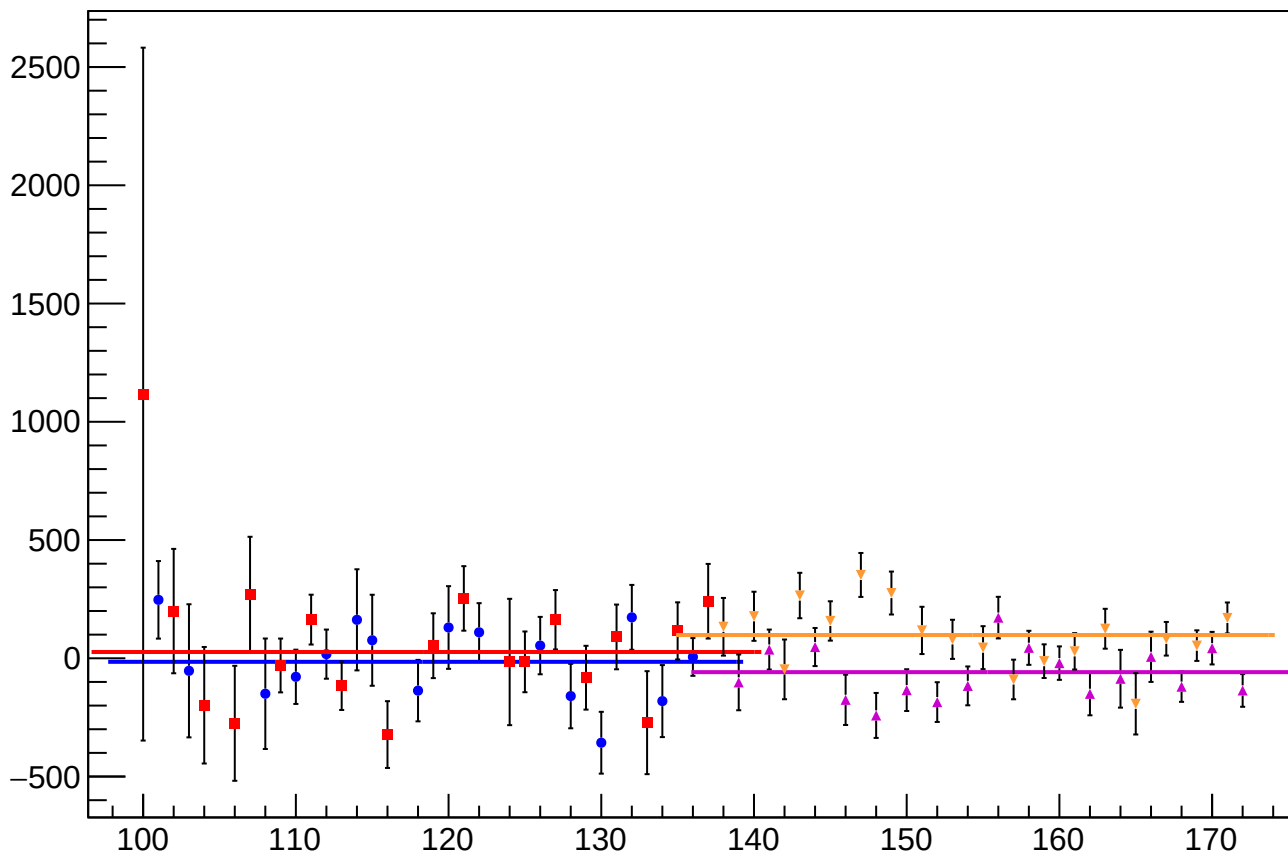
Left In: 572.147 $\pm$ 0.112 χ^2/NDF : 1527389.7/16

+ sign 648.917 $\pm$ 0.105 χ^2/NDF : 4158628.1/33

All: 641.879 $\pm$ 0.073 χ^2/NDF : 8503815.2/69

- sign 635.098 $\pm$ 0.103 χ^2/NDF : 4336318.4/35

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

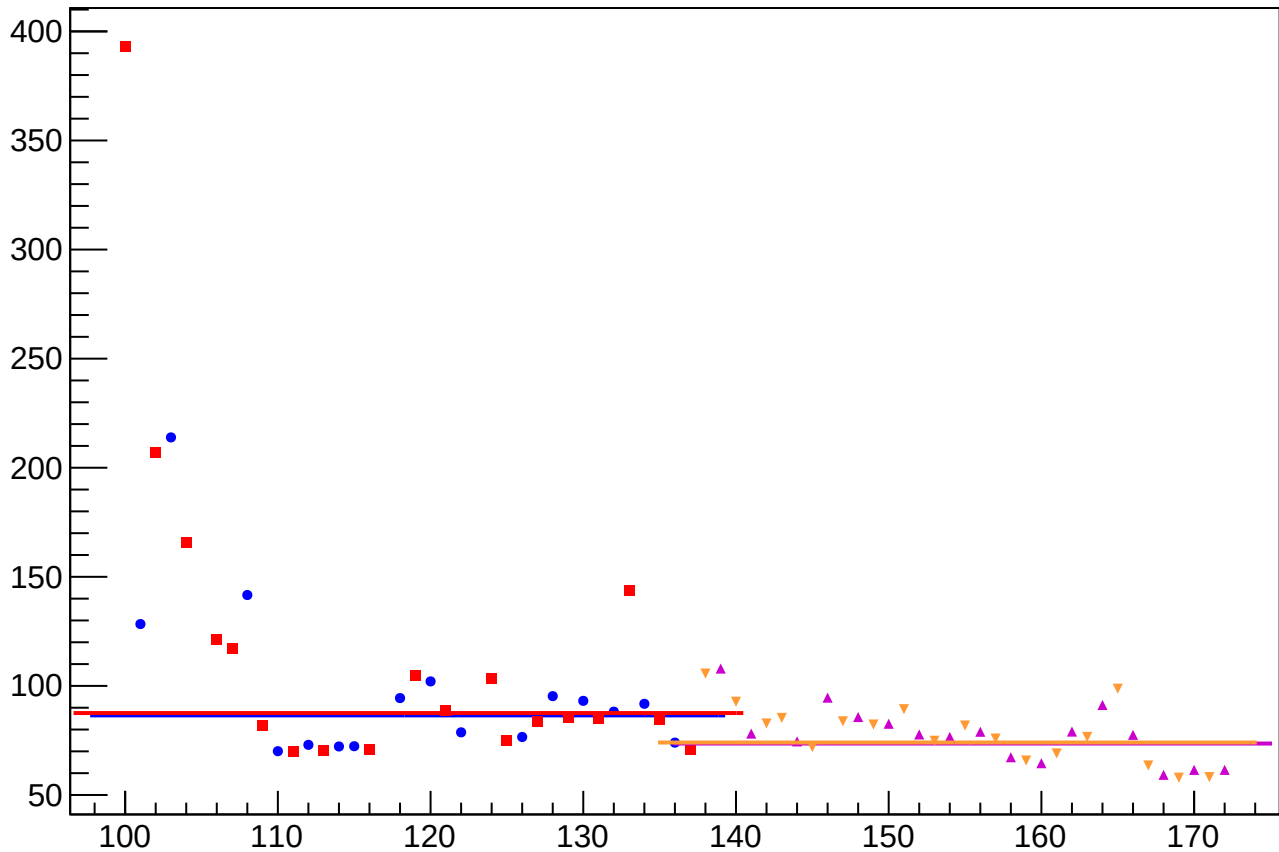
Left In: -58.558 ± 20.222 χ^2/NDF : 26.6/16

+ sign 68.647 ± 17.311 χ^2/NDF : 59.0/33

All: 16.383 ± 12.269 χ^2/NDF : 132.1/69

- sign -36.361 ± 17.390 χ^2/NDF : 54.8/35

dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489 $\pm$ 0.024 χ^2 /NDF: 856257.9/15

Left Out: 74.058 $\pm$ 0.014 χ^2 /NDF: 733496.3/17

Right Out: 87.555 $\pm$ 0.024 χ^2 /NDF: 1129794.0/18

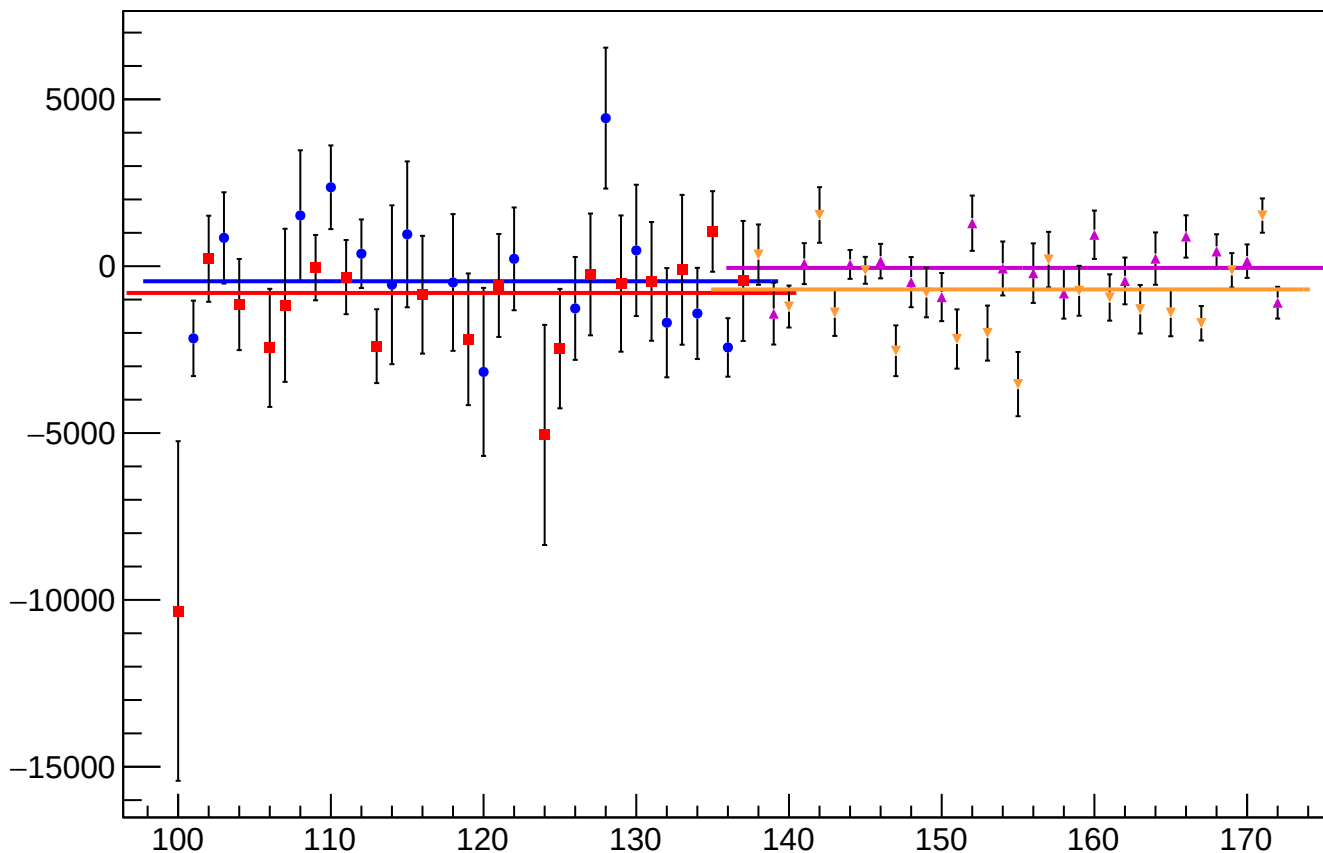
Left In: 73.585 $\pm$ 0.014 χ^2 /NDF: 645332.2/16

+ sign 77.326 $\pm$ 0.012 χ^2 /NDF: 1789611.5/33

All: 77.275 $\pm$ 0.009 χ^2 /NDF: 3813399.7/69

- sign 77.224 $\pm$ 0.012 χ^2 /NDF: 2023753.1/35

asym_sam_37_avg_dit_correction_mean vs Slug



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

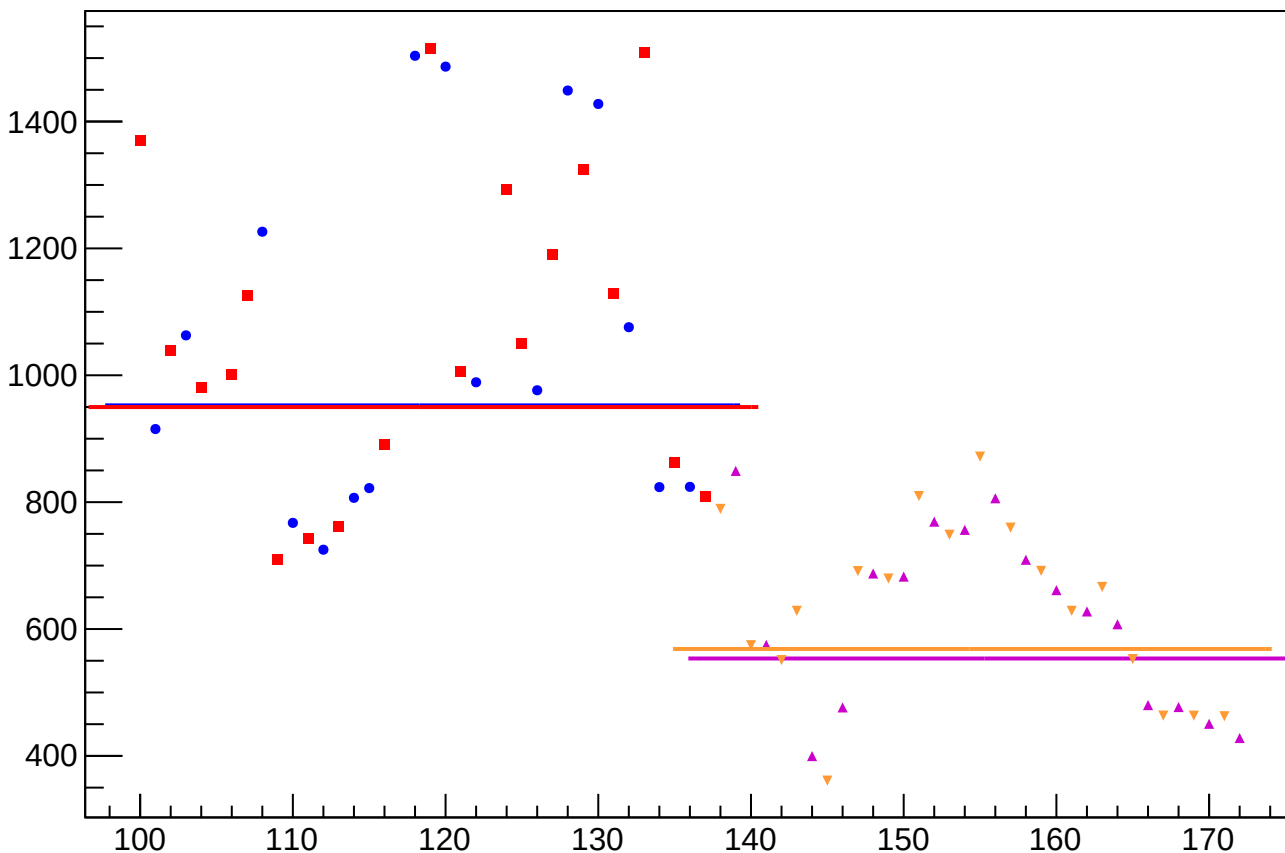
Left In: -51.380+/-152.805 χ^2 /NDF:18.3/16

+ sign -658.716+/-143.232 χ^2 /NDF: 82.7/33

All: -408.179+/-100.312 χ^2 /NDF: 124.4/69

- sign -167.007+/-140.530 χ^2 /NDF: 35.7/35

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

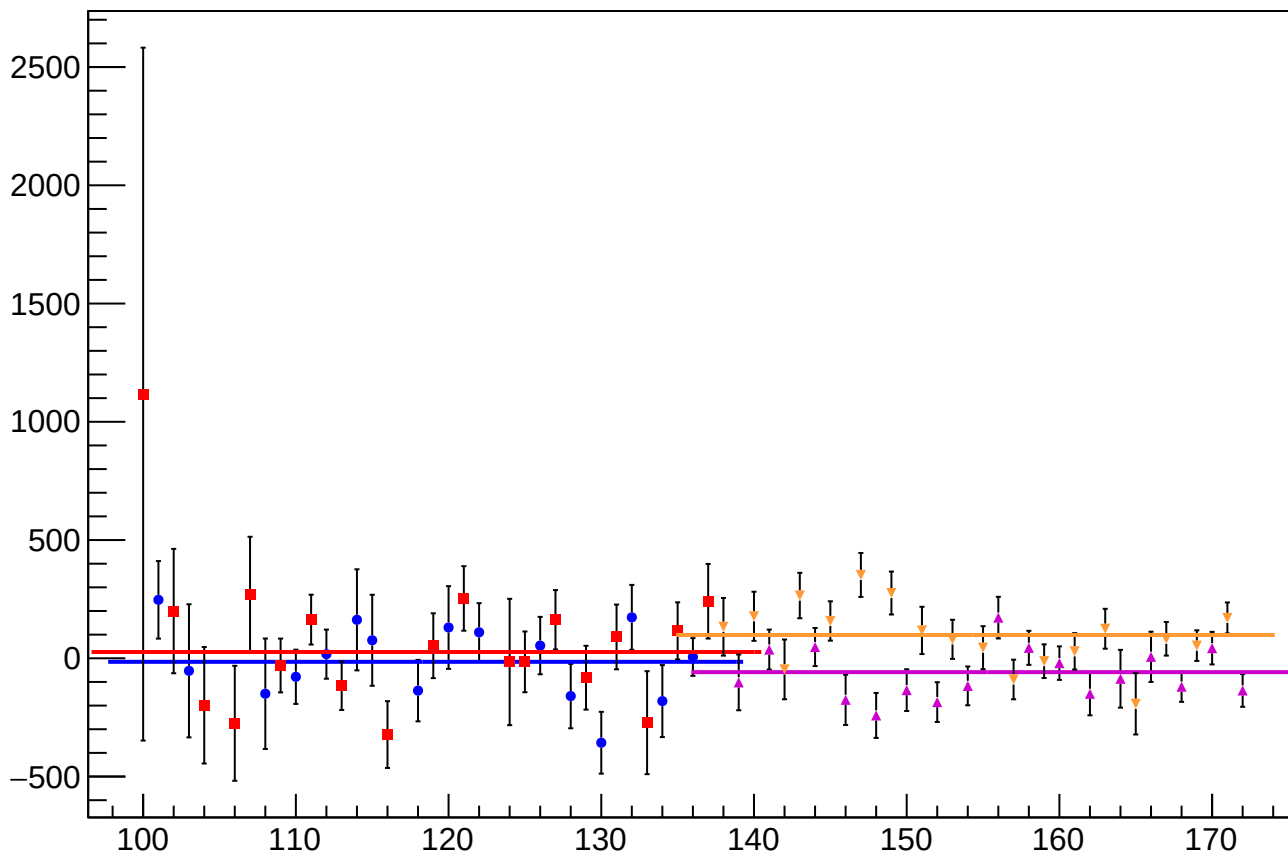
Left In: 553.557+/-0.108 χ^2/NDF : 1508187.7/16

+ sign 627.511+/-0.101 χ^2/NDF : 4280356.6/33

All: 620.970+/-0.071 χ^2/NDF : 8623209.2/69

- sign 614.674+/-0.099 χ^2/NDF : 4334667.8/35

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

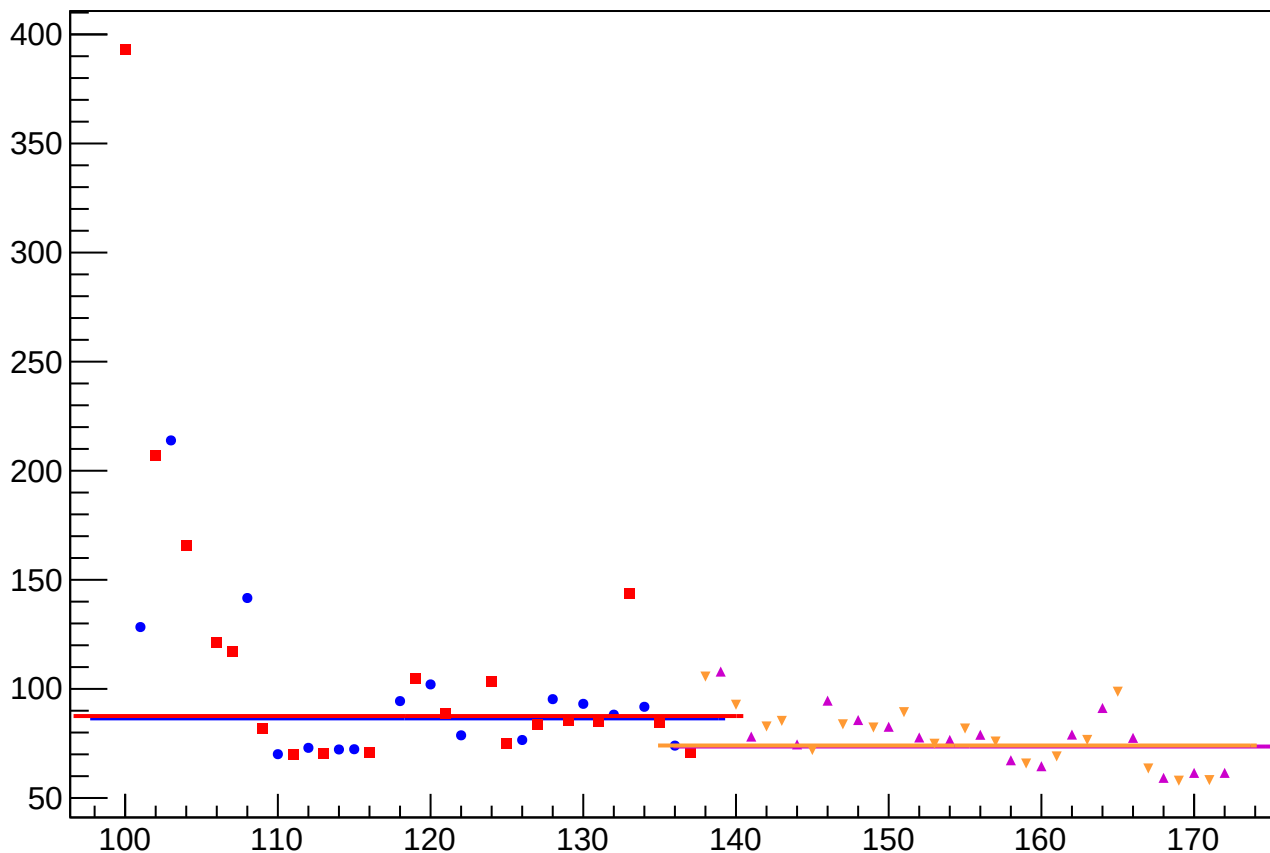
Left In: -58.558 ± 20.222 χ^2/NDF : 26.6/16

+ sign 68.647 ± 17.311 χ^2/NDF : 59.0/33

All: 16.383 ± 12.269 χ^2/NDF : 132.1/69

- sign -36.360 ± 17.390 χ^2/NDF : 54.8/35

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 86.489 $\pm$ 0.024 χ^2 /NDF: 856249.6/15

Left Out: 74.058 $\pm$ 0.014 χ^2 /NDF: 733505.7/17

Right Out: 87.555 $\pm$ 0.024 χ^2 /NDF: 1129791.7/18

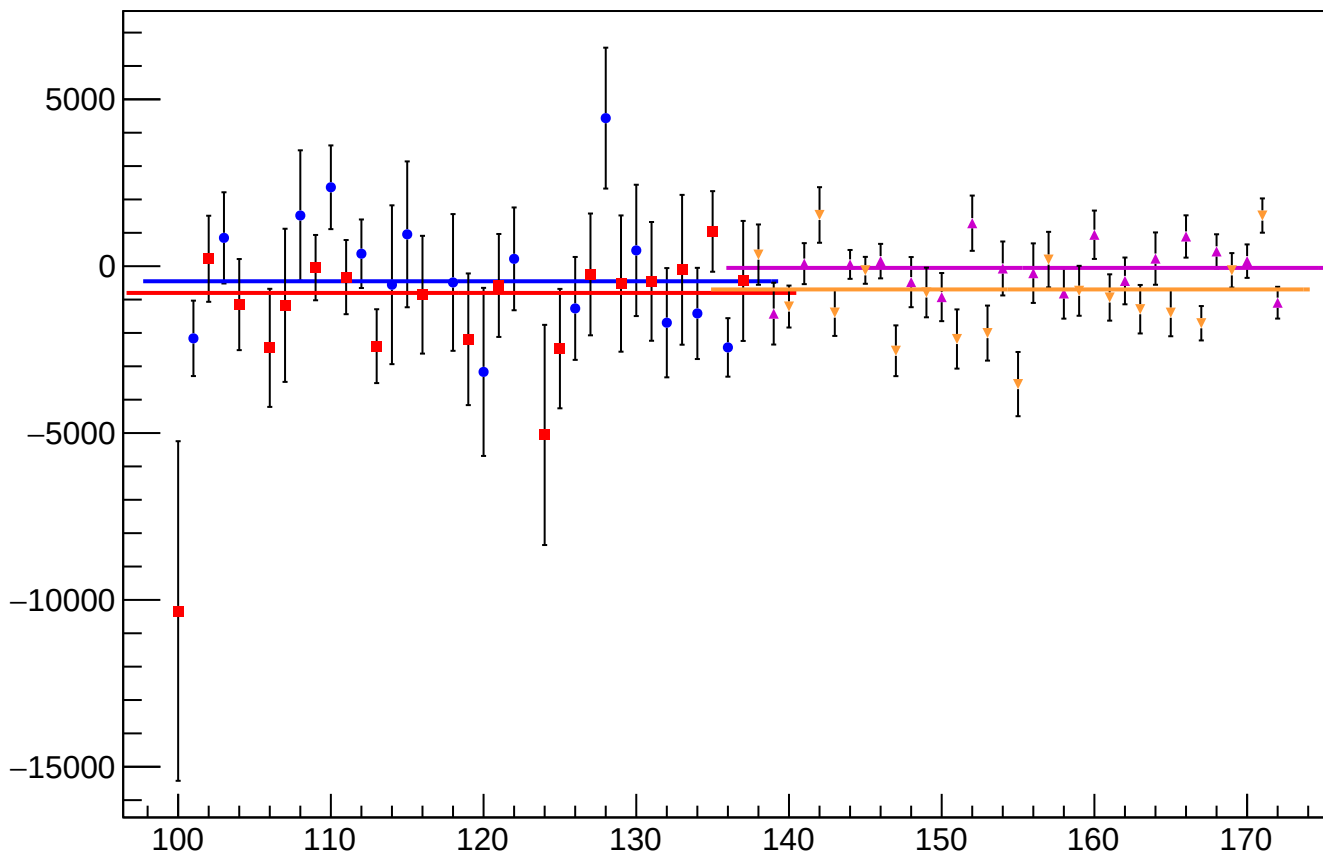
Left In: 73.585 $\pm$ 0.014 χ^2 /NDF: 645337.7/16

+ sign 77.327 $\pm$ 0.012 χ^2 /NDF: 1789615.0/33

All: 77.276 $\pm$ 0.009 χ^2 /NDF: 3813412.0/69

- sign 77.224 $\pm$ 0.012 χ^2 /NDF: 2023761.9/35

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



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

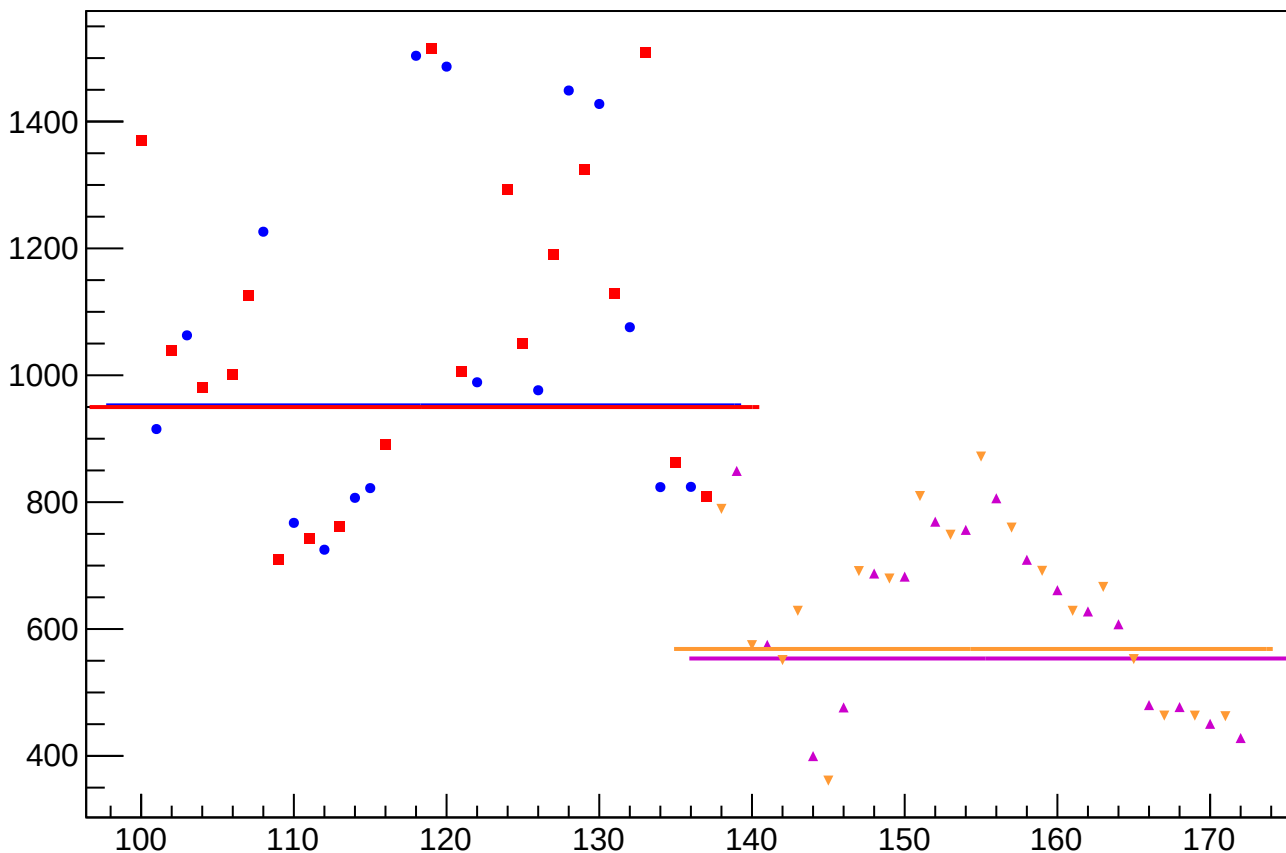
Left In: -51.379+/-152.805 χ^2 /NDF:18.3/16

+ sign -658.716+/-143.232 χ^2 /NDF: 82.7/33

All: -408.179+/-100.311 χ^2 /NDF: 124.4/69

- sign -167.006+/-140.530 χ^2 /NDF: 35.7/35

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 952.549 $\pm$ 0.259 χ^2 /NDF: 746349.8/15

Left Out: 568.577 $\pm$ 0.110 χ^2 /NDF:1666585.0/17

Right Out: 949.890 $\pm$ 0.253 χ^2 /NDF: 751674.5/18

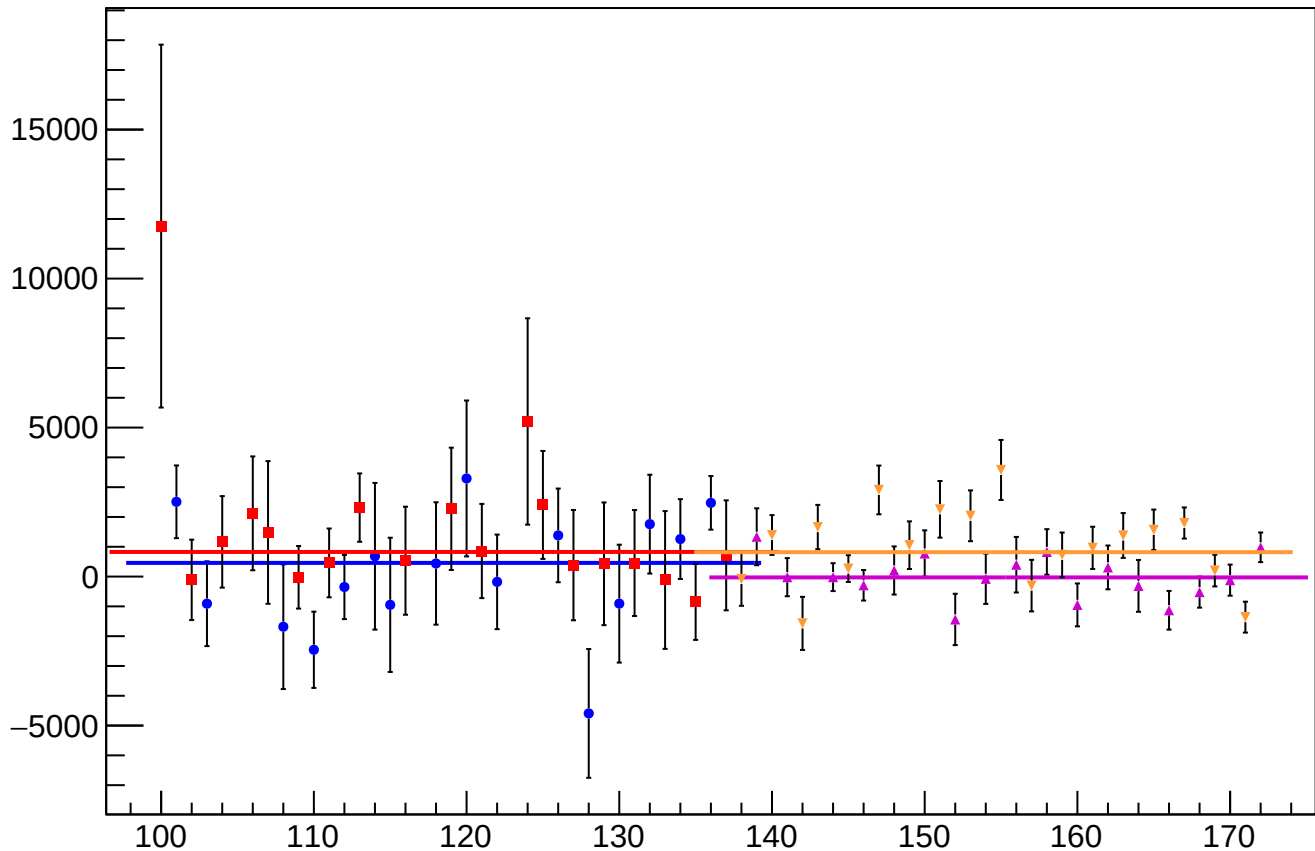
Left In: 553.557 $\pm$ 0.108 χ^2 /NDF:1508183.9/16

+ sign 627.510 $\pm$ 0.101 χ^2 /NDF: 4280350.2/33

All: 620.970 $\pm$ 0.071 χ^2 /NDF: 8623190.3/69

- sign 614.674 $\pm$ 0.099 χ^2 /NDF: 4334655.4/35

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

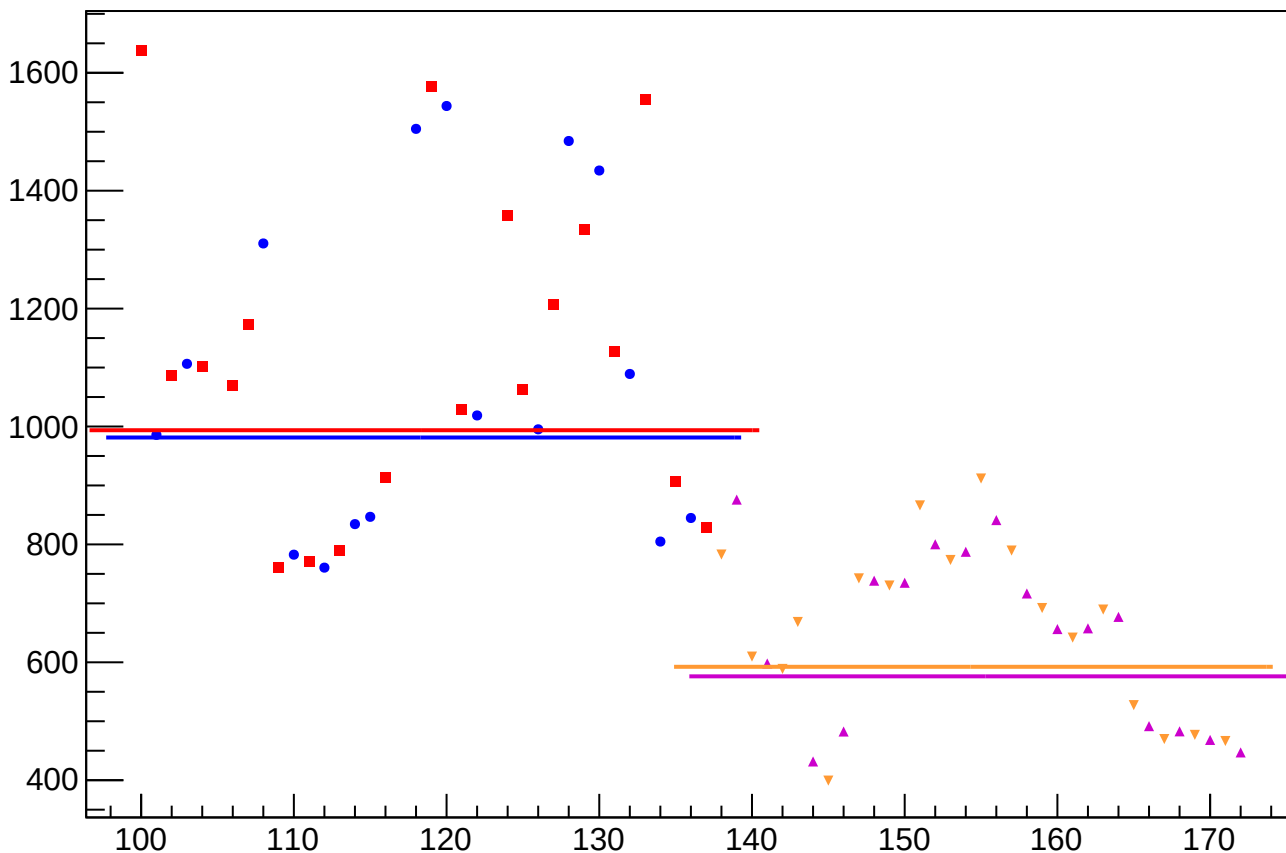
Left In: -28.208 ± 158.885 χ^2/NDF : 17.5/16

+ sign 762.329 ± 149.011 χ^2/NDF : 81.6/33

All: 426.156 ± 104.377 χ^2/NDF : 125.1/69

- sign 102.324 ± 146.250 χ^2/NDF : 33.6/35

asym_sam_37_avg_rms vs Slug



Right In: 981.349 $\pm$ 0.266 χ^2 /NDF: 737627.4/15

Left Out: 592.373 $\pm$ 0.115 χ^2 /NDF:1589239.2/17

Right Out: 993.684 $\pm$ 0.265 χ^2 /NDF: 719799.0/18

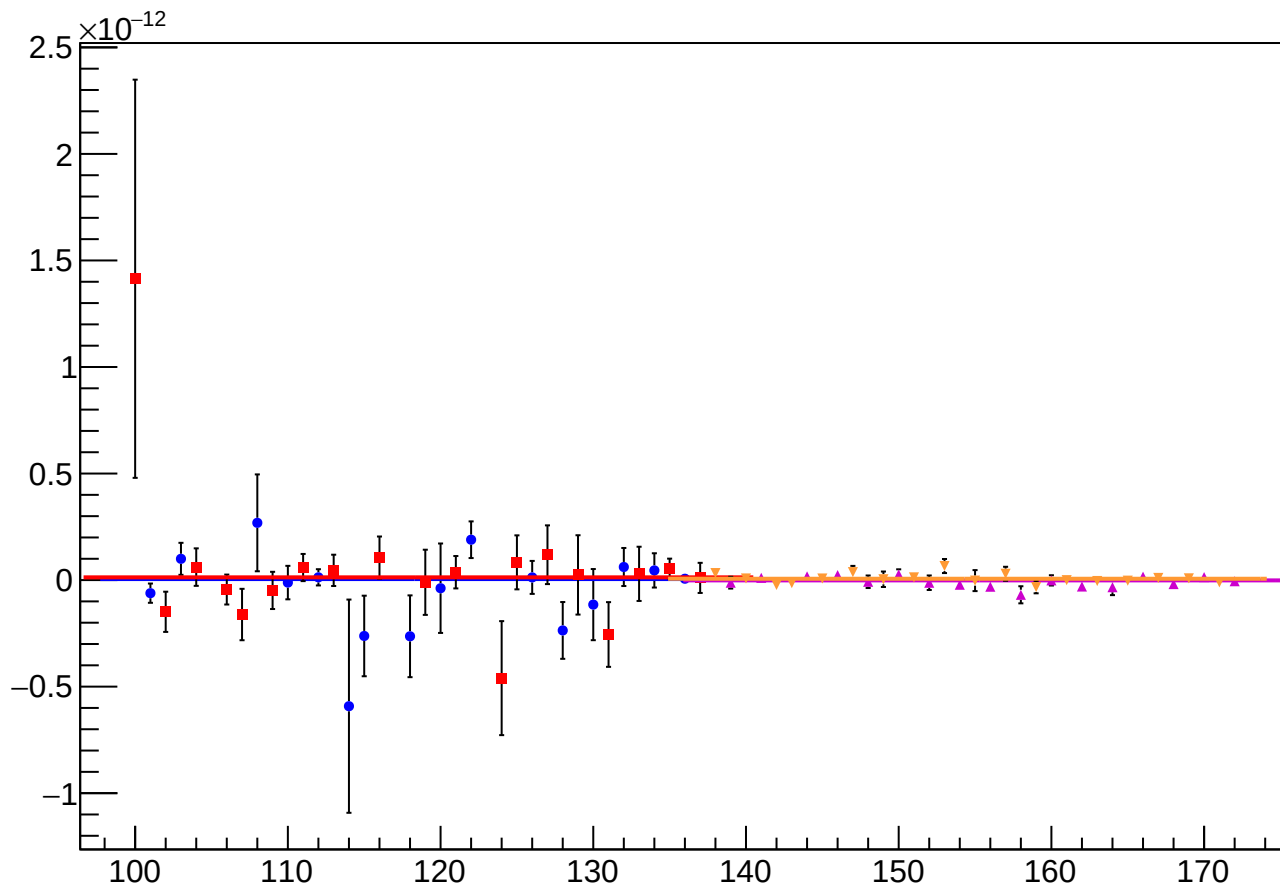
Left In: 576.173 $\pm$ 0.112 χ^2 /NDF:1506176.7/16

+ sign 653.182 $\pm$ 0.105 χ^2 /NDF: 4124313.9/33

All: 646.434 $\pm$ 0.074 χ^2 /NDF: 8467389.4/69

- sign 639.934 $\pm$ 0.103 χ^2 /NDF: 4335022.4/35

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.4/18

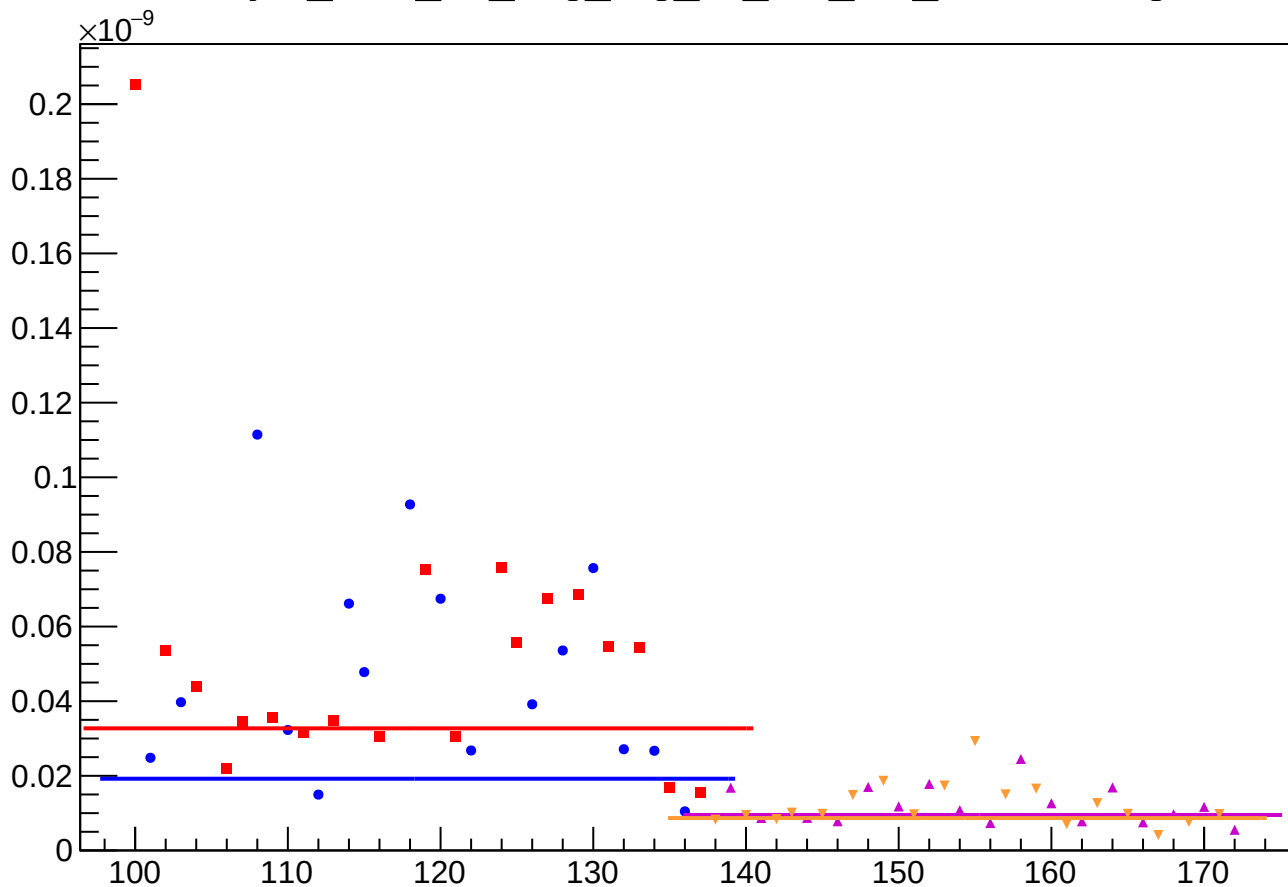
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 71.4/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/35

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



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

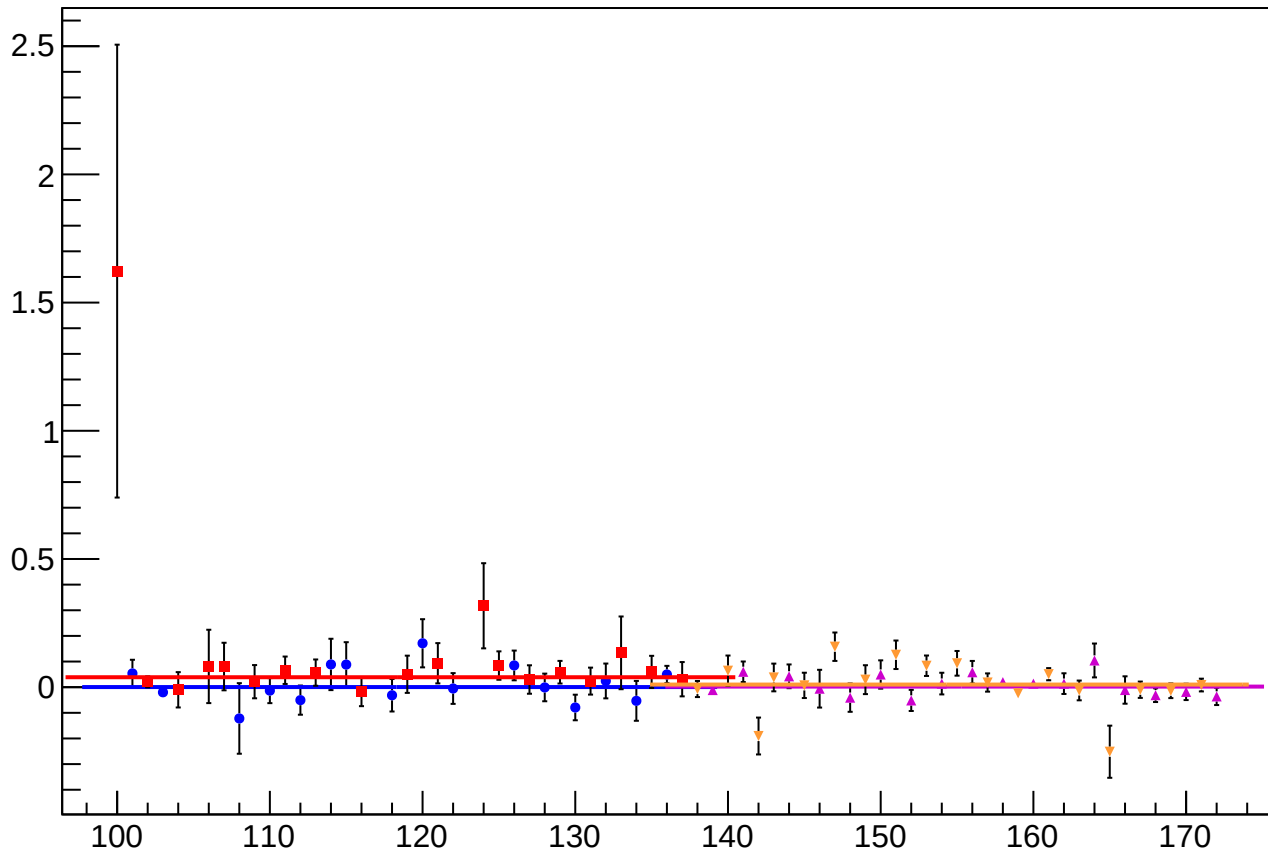
Left In: 0.000+/-0.000 χ^2/NDF : 1134690.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 4575143.2/33

All: 0.000+/-0.000 χ^2/NDF : 9329777.5/69

- sign 0.000+/-0.000 χ^2/NDF : 4694404.9/35

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2/NDF : 16.5/15

Left Out: 0.010 $\pm$ 0.008 χ^2/NDF : 42.5/17

Right Out: 0.039 $\pm$ 0.013 χ^2/NDF : 11.1/18

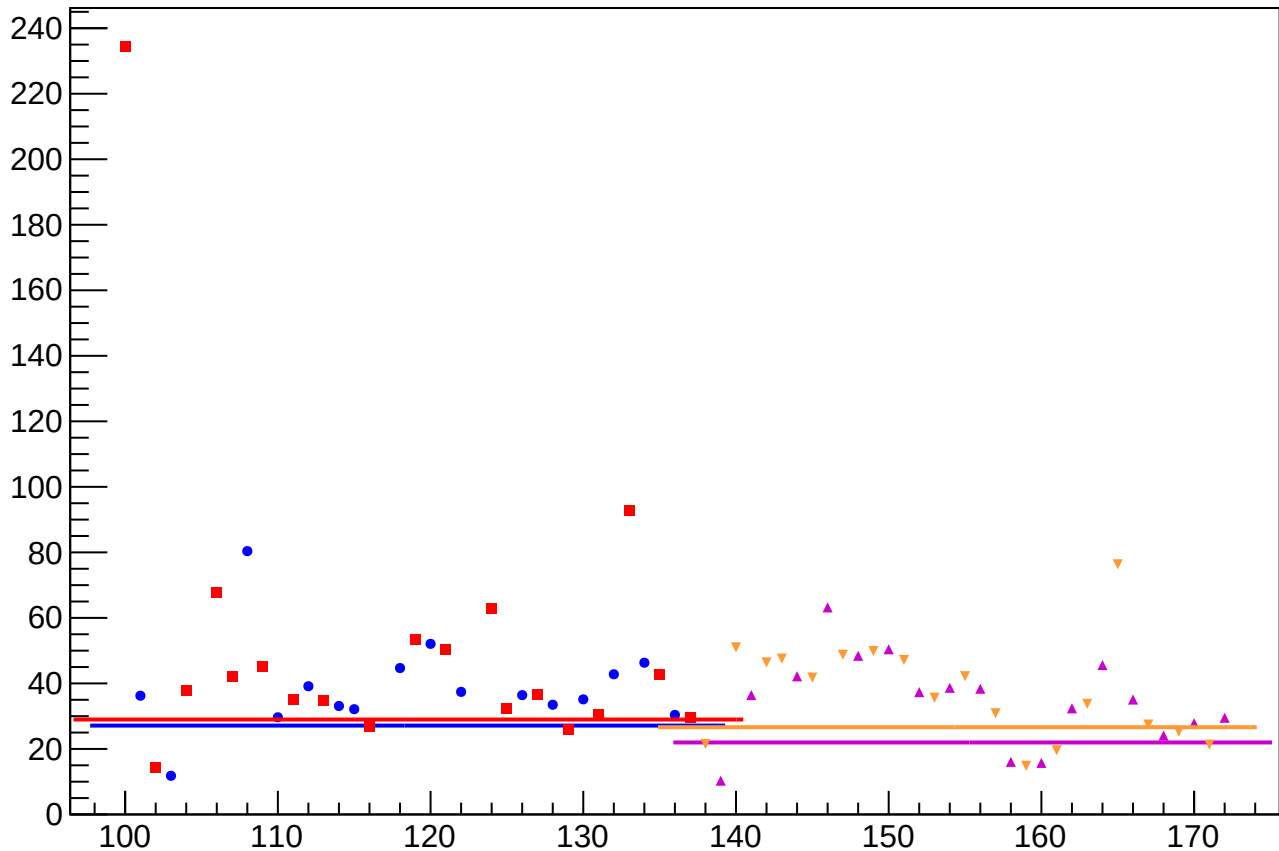
Left In: 0.002 $\pm$ 0.007 χ^2/NDF : 15.7/16

+ sign 0.007 $\pm$ 0.007 χ^2/NDF : 59.4/33

All: 0.009 $\pm$ 0.005 χ^2/NDF : 92.8/69

- sign 0.011 $\pm$ 0.006 χ^2/NDF : 33.2/35

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

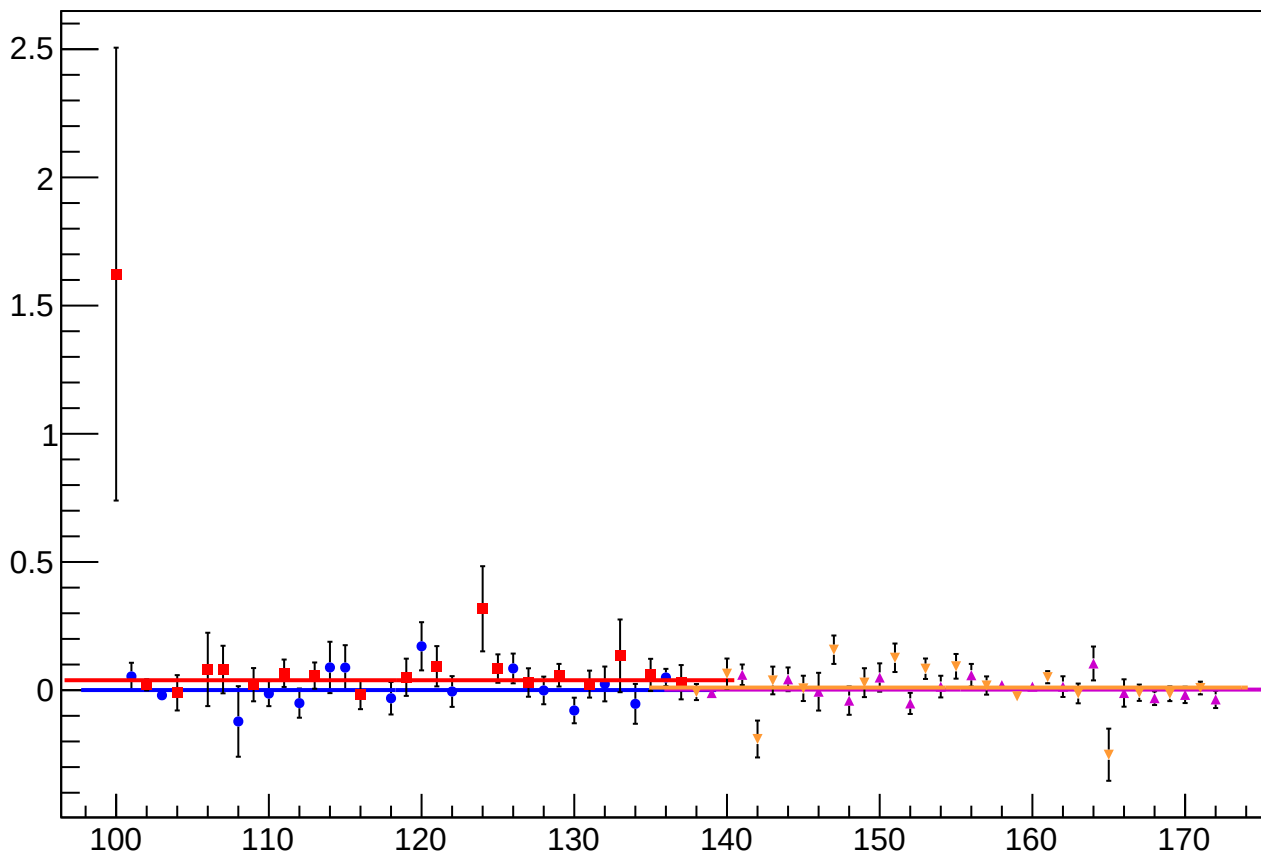
Left In: 21.977+/-0.005 χ^2/NDF : 5785708.4/16

+ sign 26.785+/-0.005 χ^2/NDF : 6567967.3/33

All: 25.088+/-0.003 χ^2/NDF : 15510834.7/69

- sign 23.656+/-0.004 χ^2/NDF : 8708813.0/35

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.010 $\pm$ 0.008 χ^2 /NDF:42.5/17

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

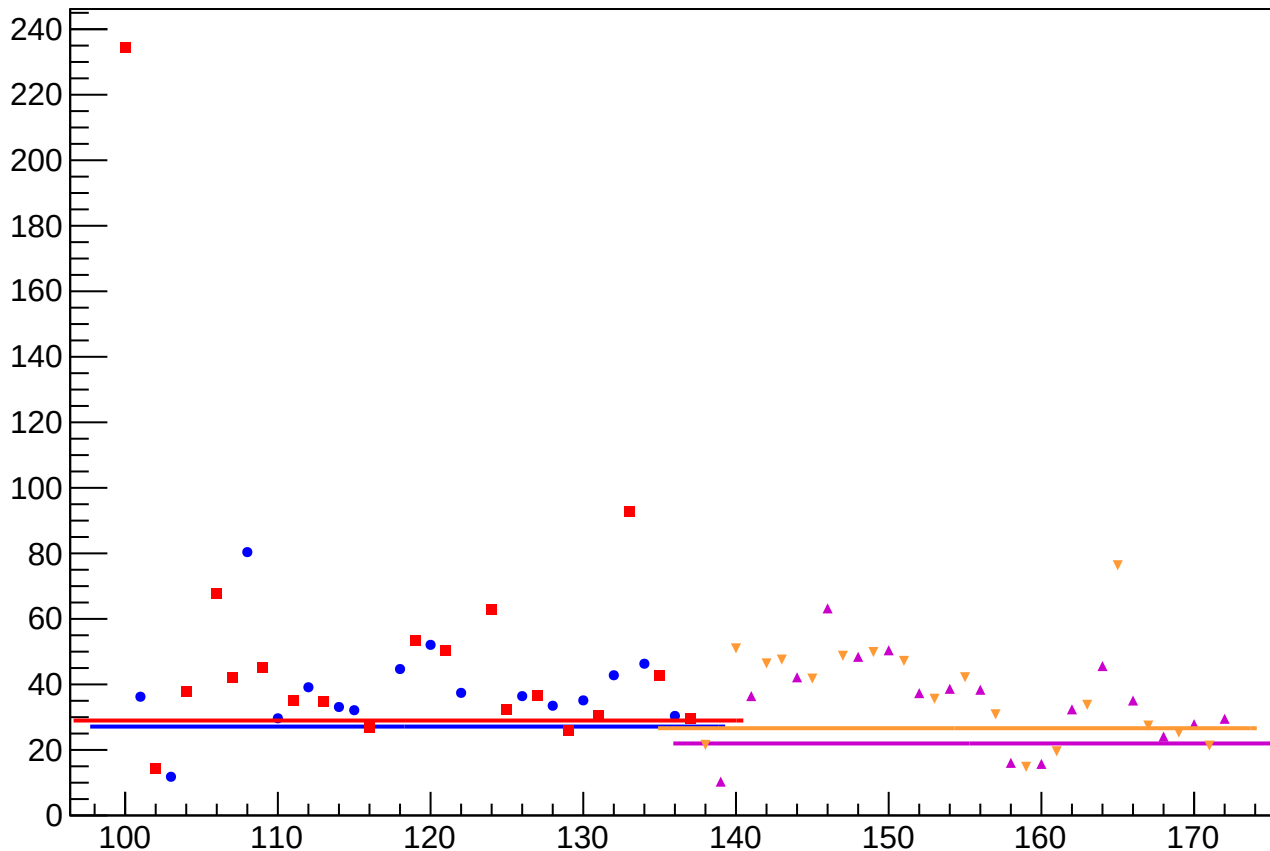
Left In: 0.002 $\pm$ 0.007 χ^2 /NDF:15.7/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 59.4/33

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 92.8/69

- sign 0.011 $\pm$ 0.006 χ^2 /NDF: 33.2/35

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.128 $\pm$ 0.009 χ^2/NDF : 2415316.1/15

Left Out: 26.628 $\pm$ 0.006 χ^2/NDF : 4150282.5/17

Right Out: 28.979 $\pm$ 0.009 χ^2/NDF : 2456254.0/18

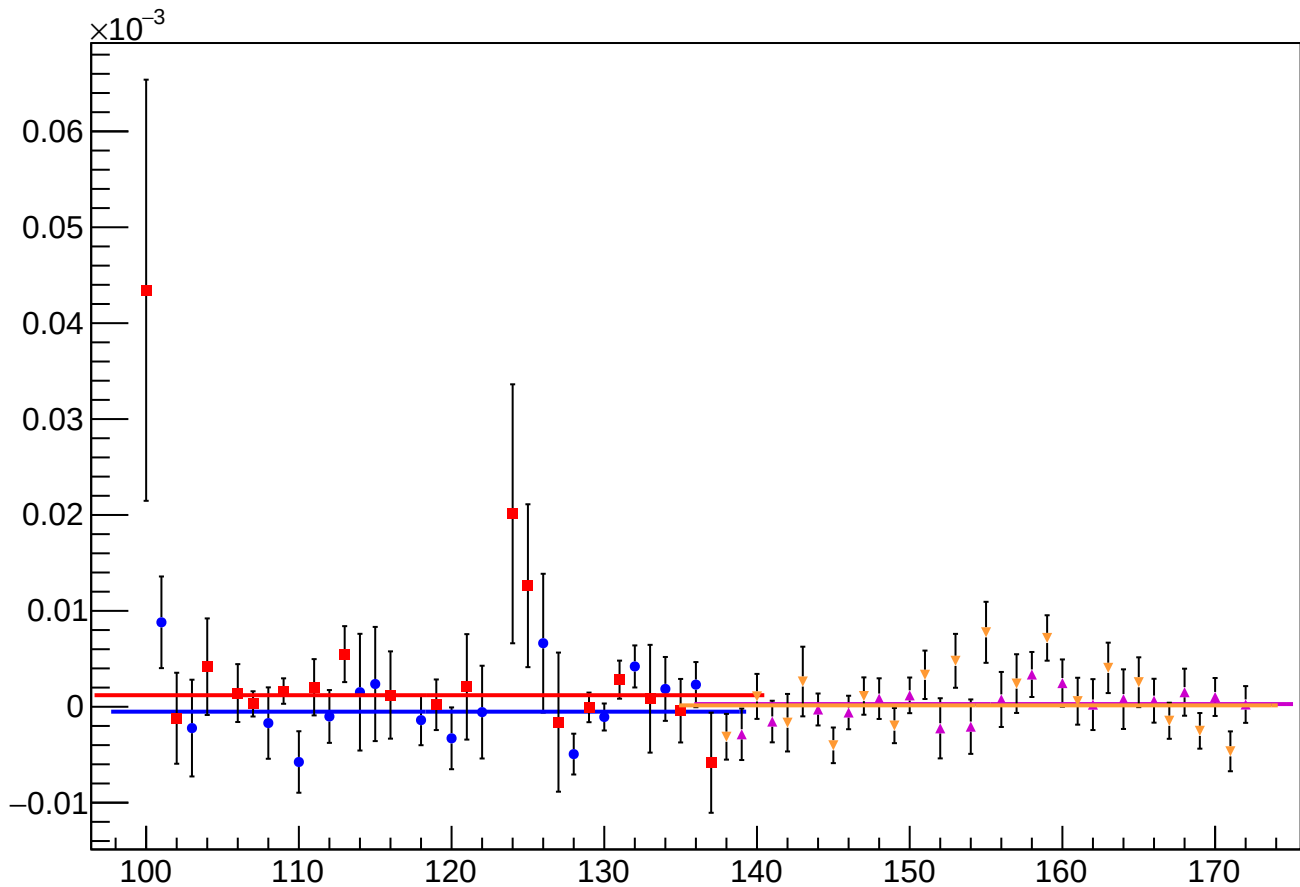
Left In: 21.977 $\pm$ 0.005 χ^2/NDF : 5785708.4/16

+ sign 26.785 $\pm$ 0.005 χ^2/NDF : 6567967.3/33

All: 25.088 $\pm$ 0.003 χ^2/NDF : 15510834.7/69

- sign 23.656 $\pm$ 0.004 χ^2/NDF : 8708813.0/35

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:40.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/18

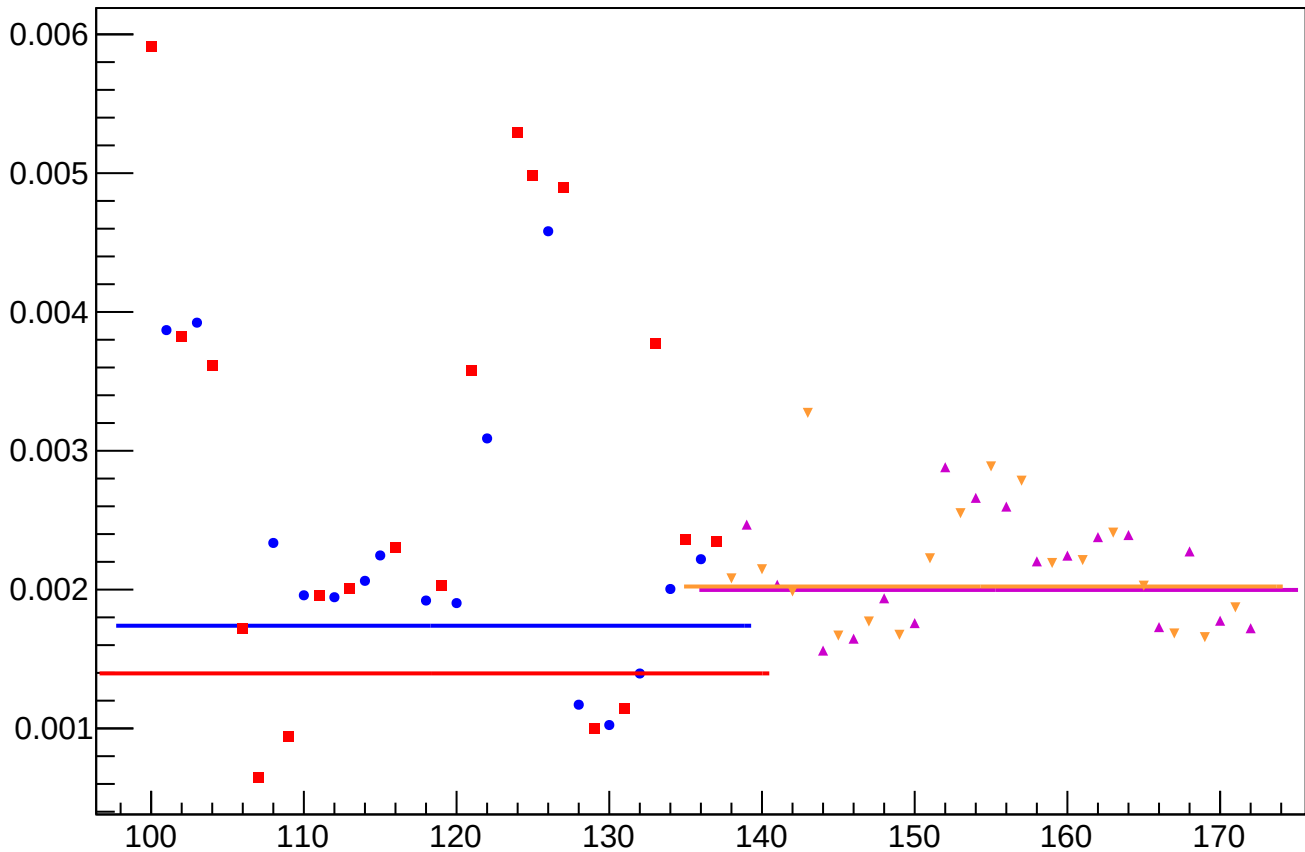
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.1/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 85.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/35

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2146798.7/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:995976.1/17

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4323193.2/18

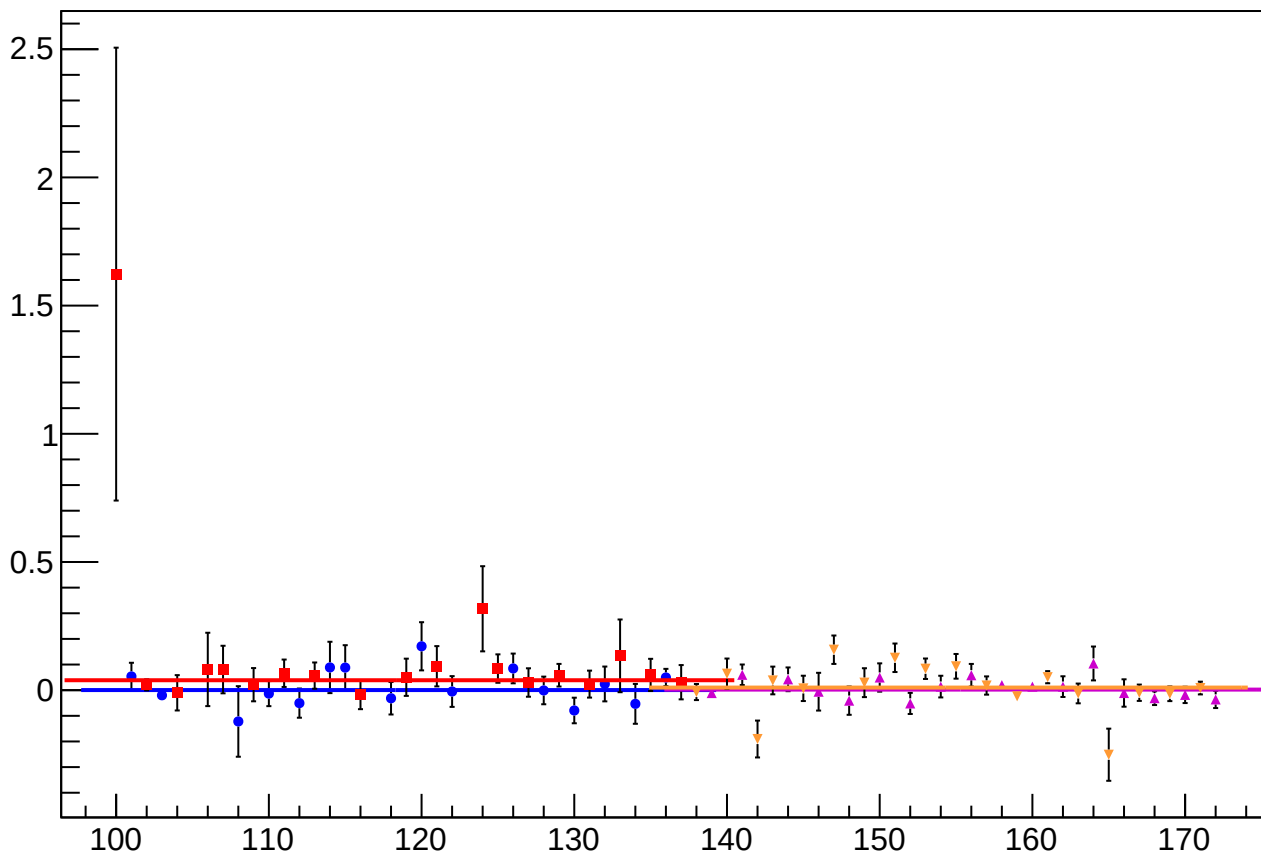
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:899316.5/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3338906.5/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9834687.0/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 6300842.9/35

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.012 χ^2 /NDF: 16.5/15

Left Out: 0.010 $\pm$ 0.008 χ^2 /NDF:42.5/17

Right Out: 0.039 $\pm$ 0.013 χ^2 /NDF: 11.1/18

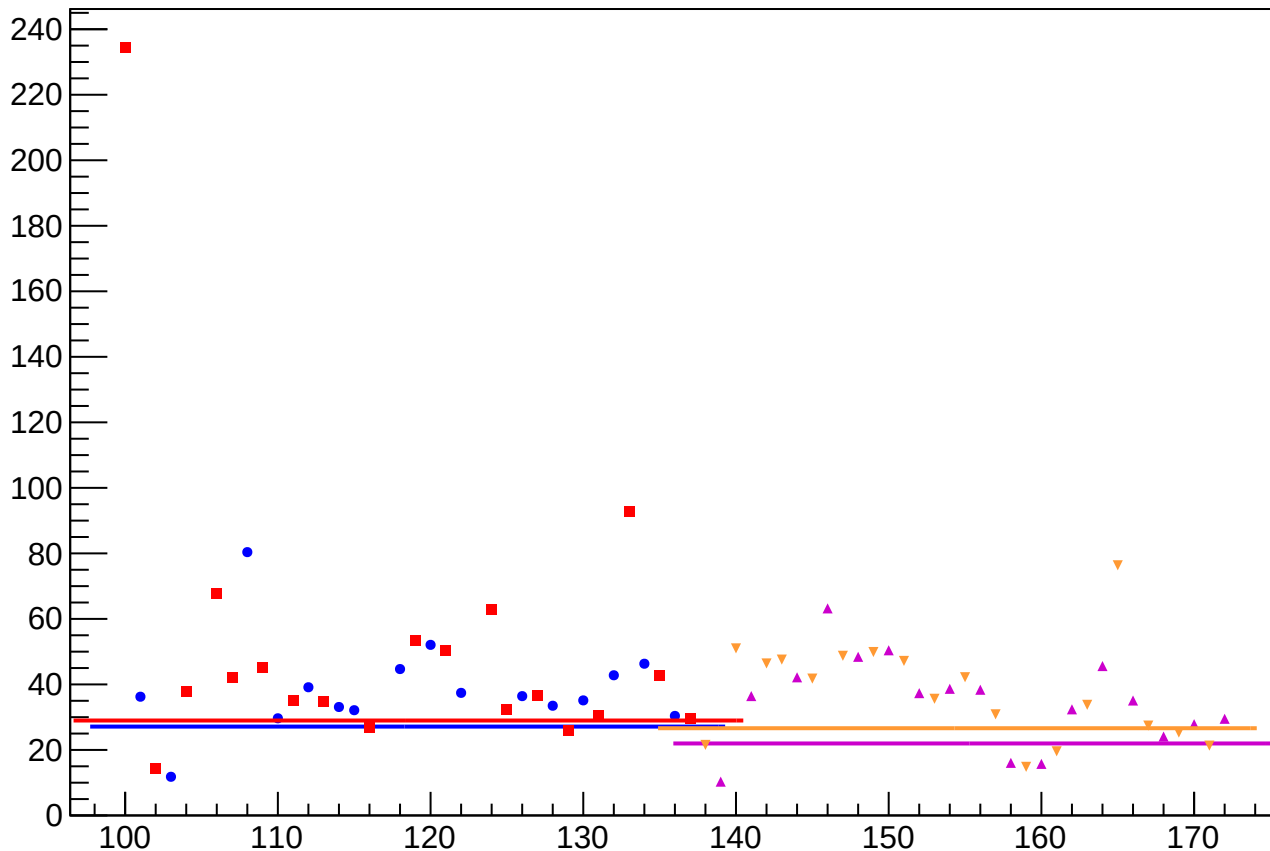
Left In: 0.002 $\pm$ 0.007 χ^2 /NDF:15.8/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 59.4/33

All: 0.009 $\pm$ 0.005 χ^2 /NDF: 92.8/69

- sign 0.011 $\pm$ 0.006 χ^2 /NDF: 33.2/35

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

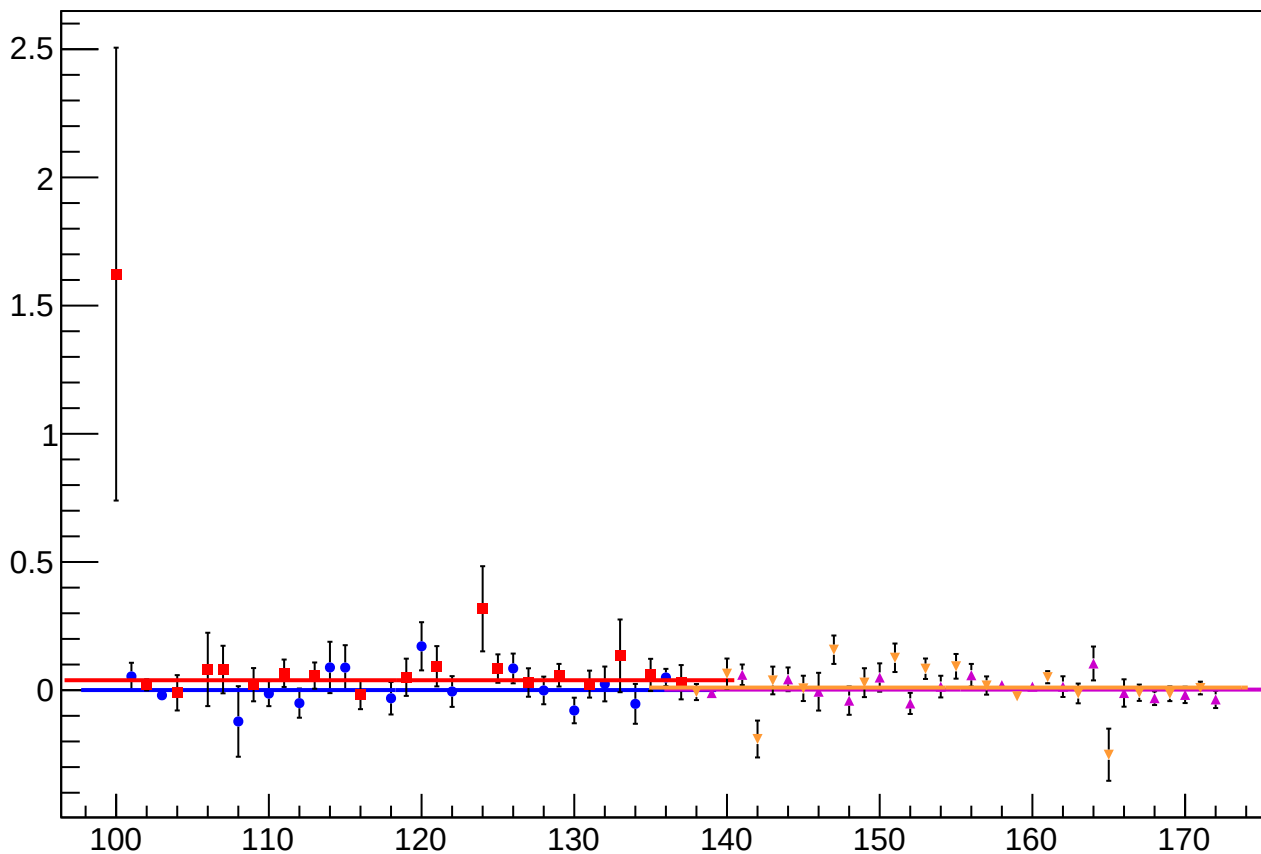
Left In: 21.976+/-0.005 χ^2/NDF : 5786590.1/16

+ sign 26.784+/-0.005 χ^2/NDF : 6568702.3/33

All: 25.087+/-0.003 χ^2/NDF : 15512323.7/69

- sign 23.655+/-0.004 χ^2/NDF : 8709575.9/35

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 ± 0.012 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 0.010 ± 0.008 $\chi^2/\text{NDF}: 42.5/17$

Right Out: 0.039 ± 0.013 $\chi^2/\text{NDF}: 11.1/18$

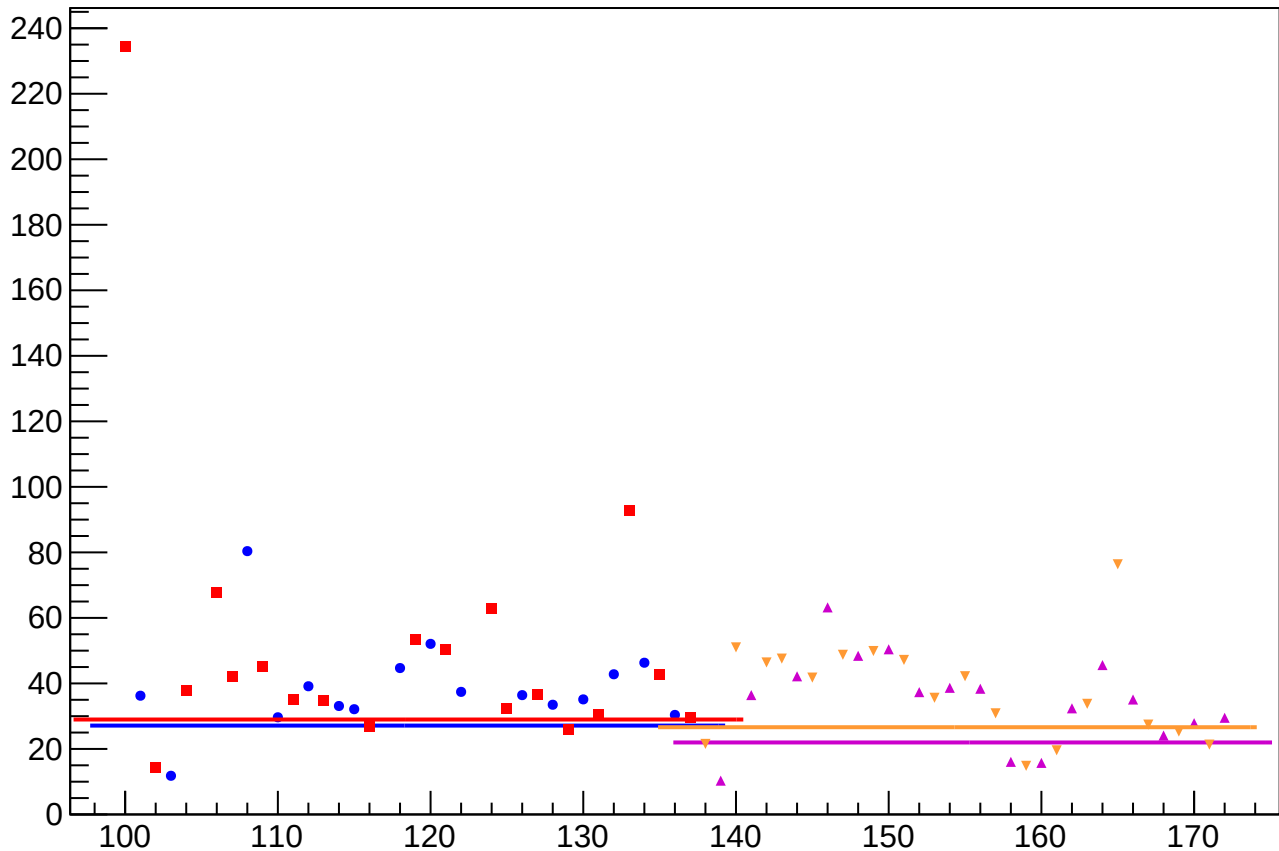
Left In: 0.002 ± 0.007 $\chi^2/\text{NDF}: 15.8/16$

+ sign 0.007 ± 0.007 $\chi^2/\text{NDF}: 59.4/33$

All: 0.009 ± 0.005 $\chi^2/\text{NDF}: 92.8/69$

- sign 0.011 ± 0.006 $\chi^2/\text{NDF}: 33.2/35$

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.127 $\pm$ 0.009 χ^2/NDF : 2415651.3/15

Left Out: 26.628 $\pm$ 0.006 χ^2/NDF : 4150684.8/17

Right Out: 28.982 $\pm$ 0.009 χ^2/NDF : 2455659.1/18

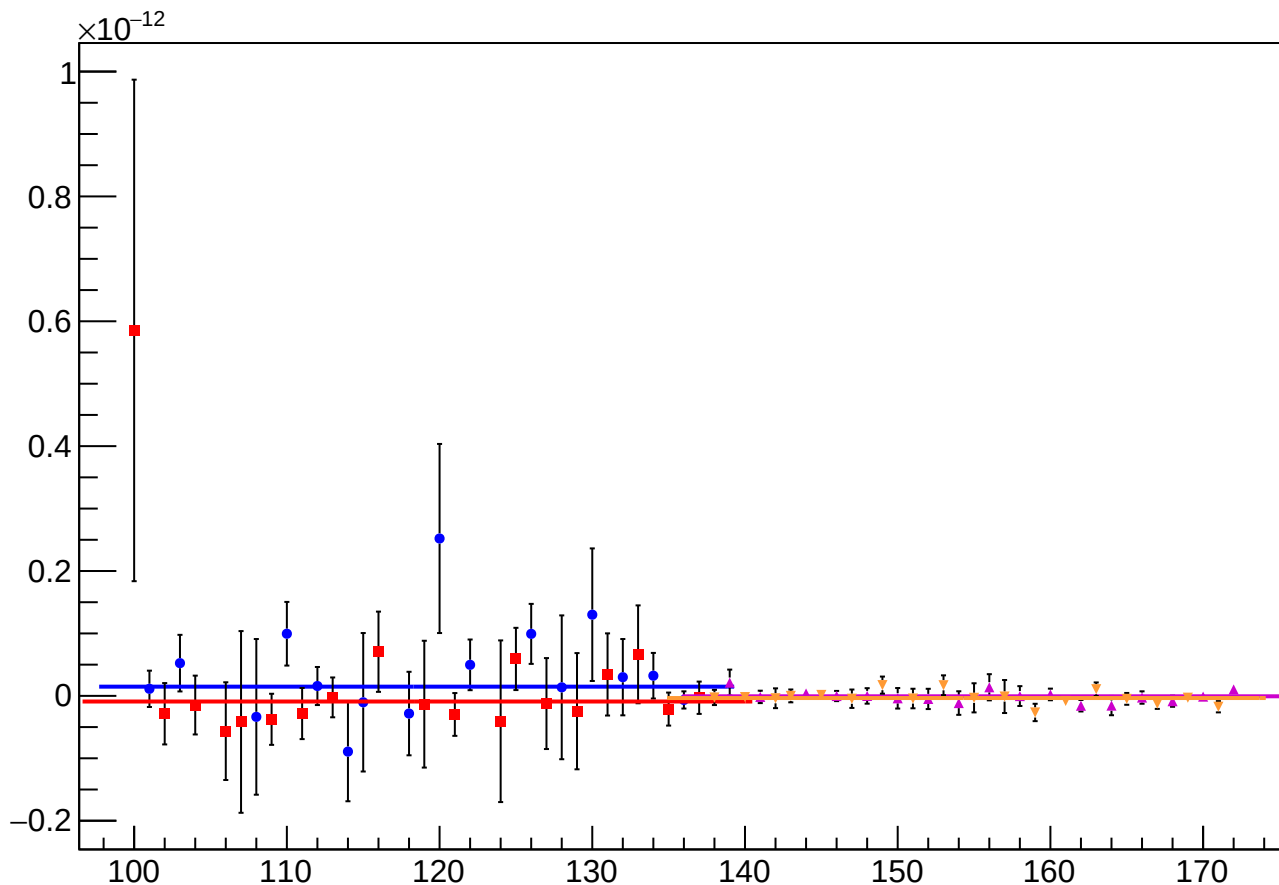
Left In: 21.976 $\pm$ 0.005 χ^2/NDF : 5786590.1/16

+ sign 26.784 $\pm$ 0.005 χ^2/NDF : 6568702.3/33

All: 25.087 $\pm$ 0.003 χ^2/NDF : 15512323.7/69

- sign 23.655 $\pm$ 0.004 χ^2/NDF : 8709575.9/35

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.0/18

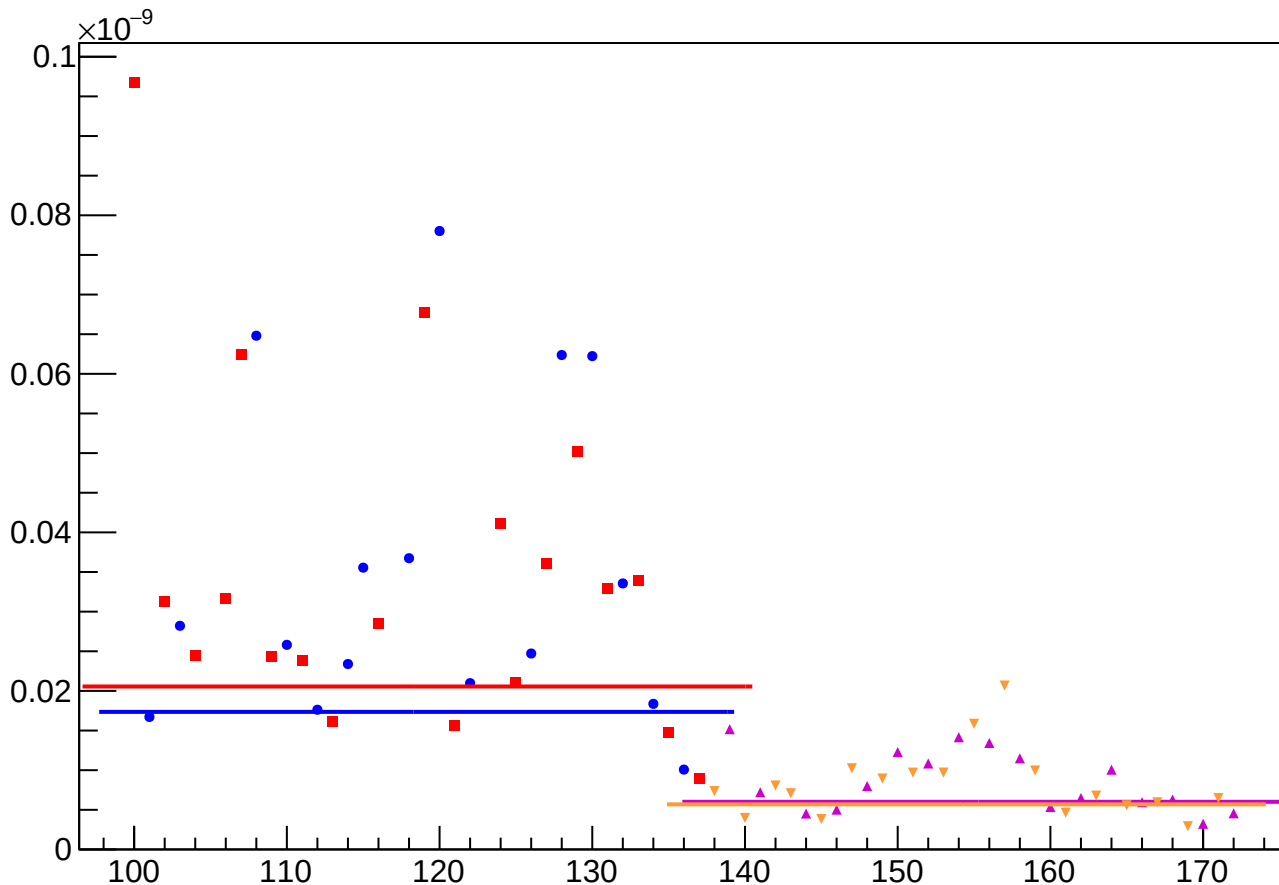
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.3/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.6/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 51.7/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 18.9/35

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

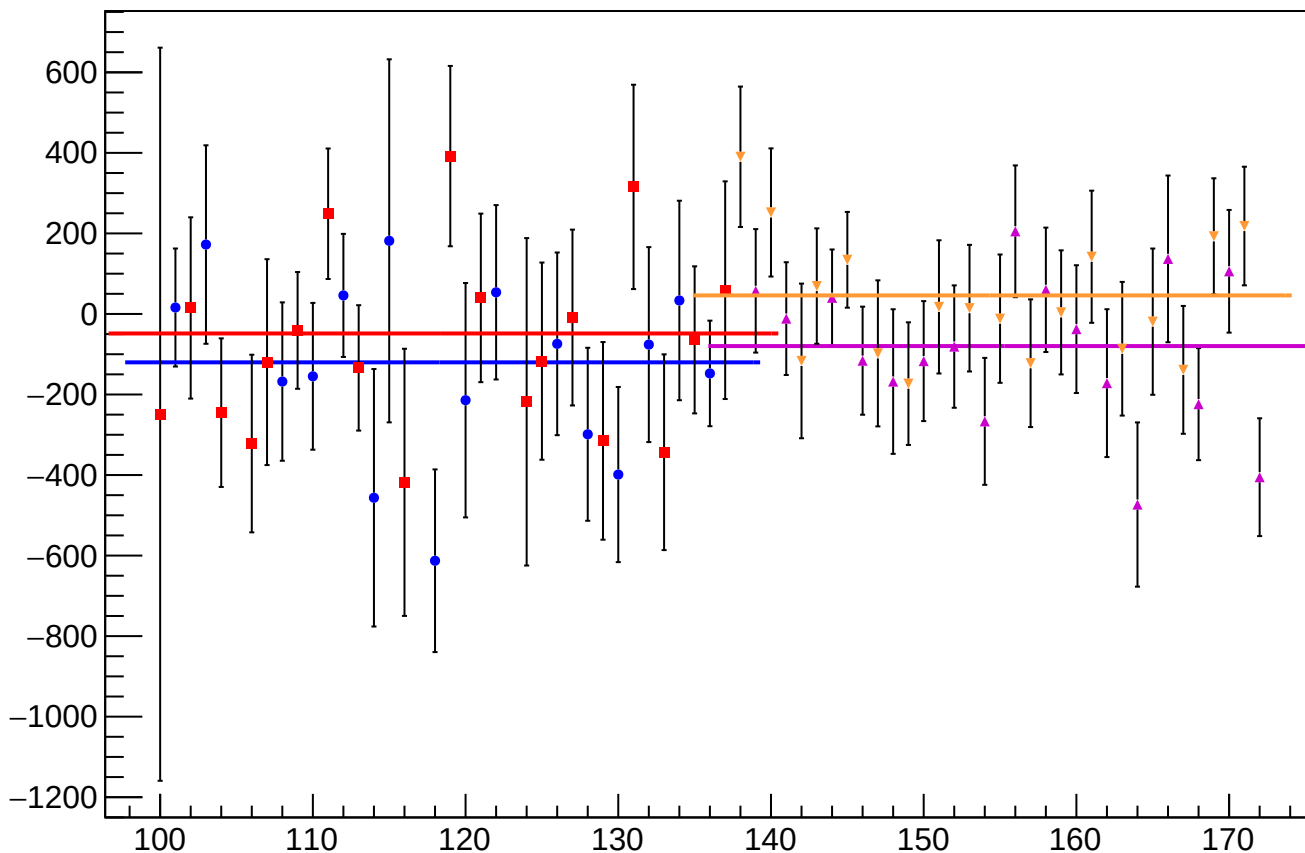
Left In: 0.000+/-0.000 χ^2/NDF : 2667194.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 8067179.6/33

All: 0.000+/-0.000 χ^2/NDF : 16124956.8/69

- sign 0.000+/-0.000 χ^2/NDF : 8035314.1/35

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

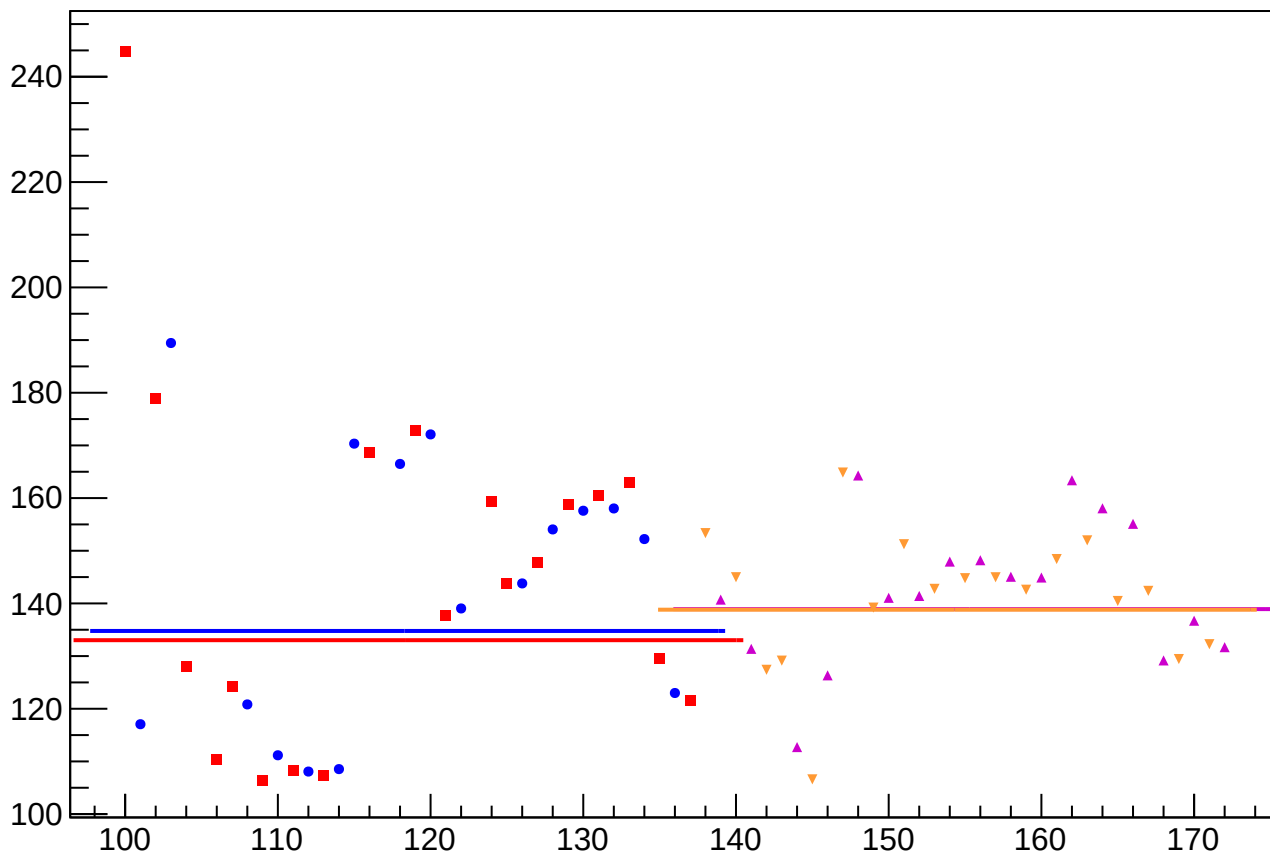
Left In: -79.734 ± 37.380 χ^2/NDF : 20.3/16

+ sign -11.219 ± 29.996 χ^2/NDF : 36.2/33

All: -39.929 ± 21.183 χ^2/NDF : 75.6/69

- sign -68.492 ± 29.919 χ^2/NDF : 37.6/35

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416778.7/15

Left Out: 138.809 $\pm$ 0.026 χ^2 /NDF: 273812.1/17

Right Out: 133.019 $\pm$ 0.035 χ^2 /NDF: 495717.0/18

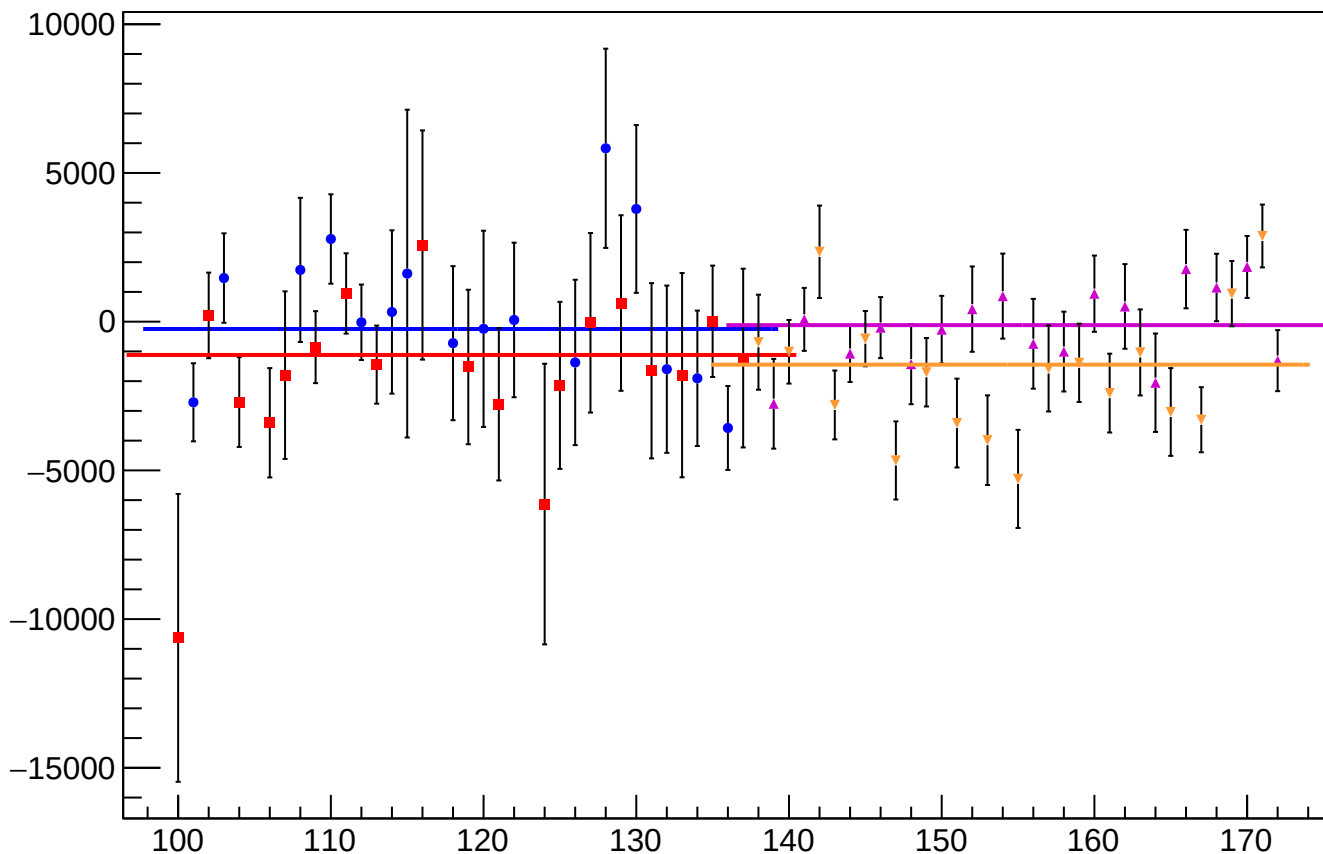
Left In: 138.921 $\pm$ 0.026 χ^2 /NDF: 259375.4/16

+ sign 137.418 $\pm$ 0.021 χ^2 /NDF: 698776.5/33

All: 137.108 $\pm$ 0.015 χ^2 /NDF: 1472210.3/69

- sign 136.800 $\pm$ 0.021 χ^2 /NDF: 773008.6/35

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

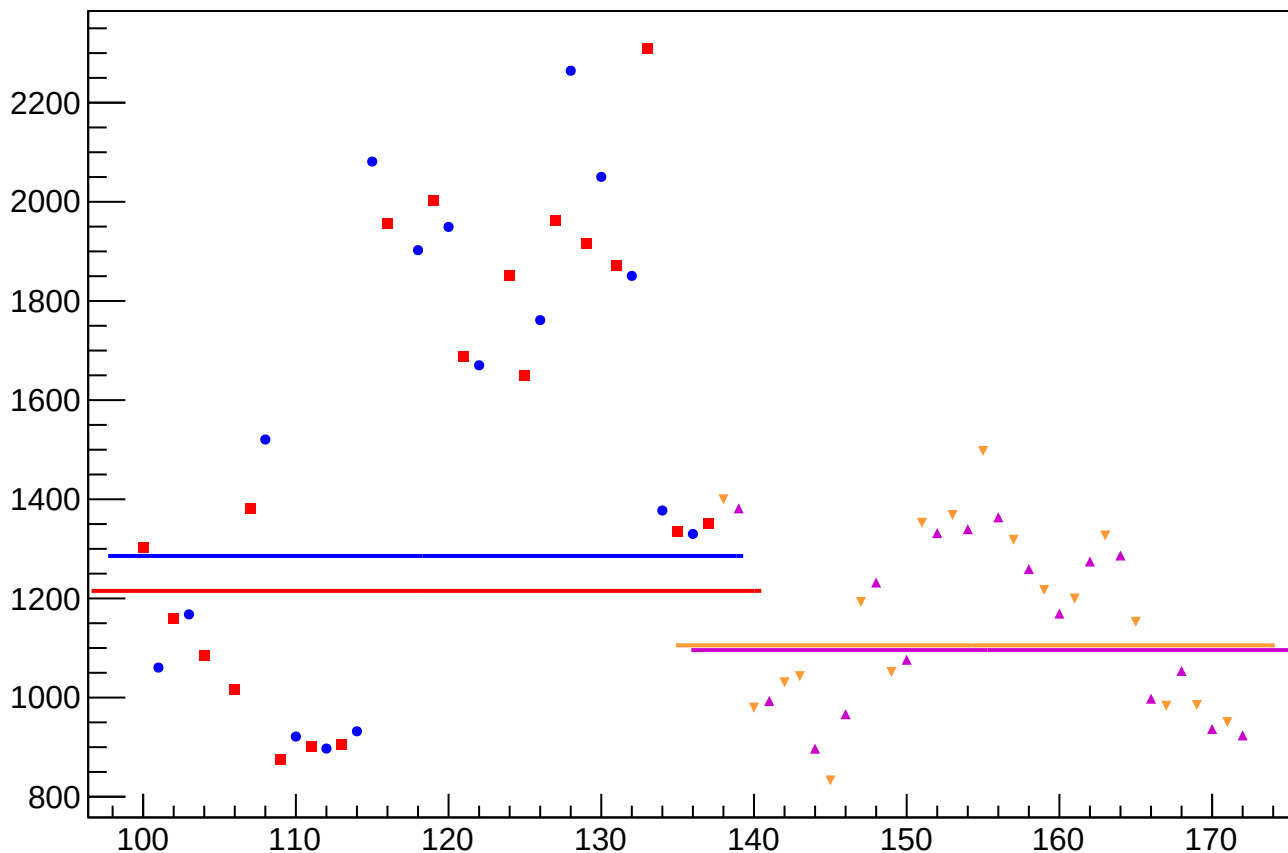
Left In: -116.705+/-296.680 χ^2/NDF : 16.7/16

+ sign -1133.742+/-255.846 χ^2/NDF : 76.7/33

All: -761.260+/-179.039 χ^2/NDF : 114.2/69

- sign -403.799+/-250.634 χ^2/NDF : 33.4/35

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1285.668 $\pm$ 0.355 χ^2 /NDF: 1170437.4/15

Left Out: 1105.358 $\pm$ 0.210 χ^2 /NDF: 728670.2/17

Right Out: 1215.237 $\pm$ 0.331 χ^2 /NDF: 1386290.4/18

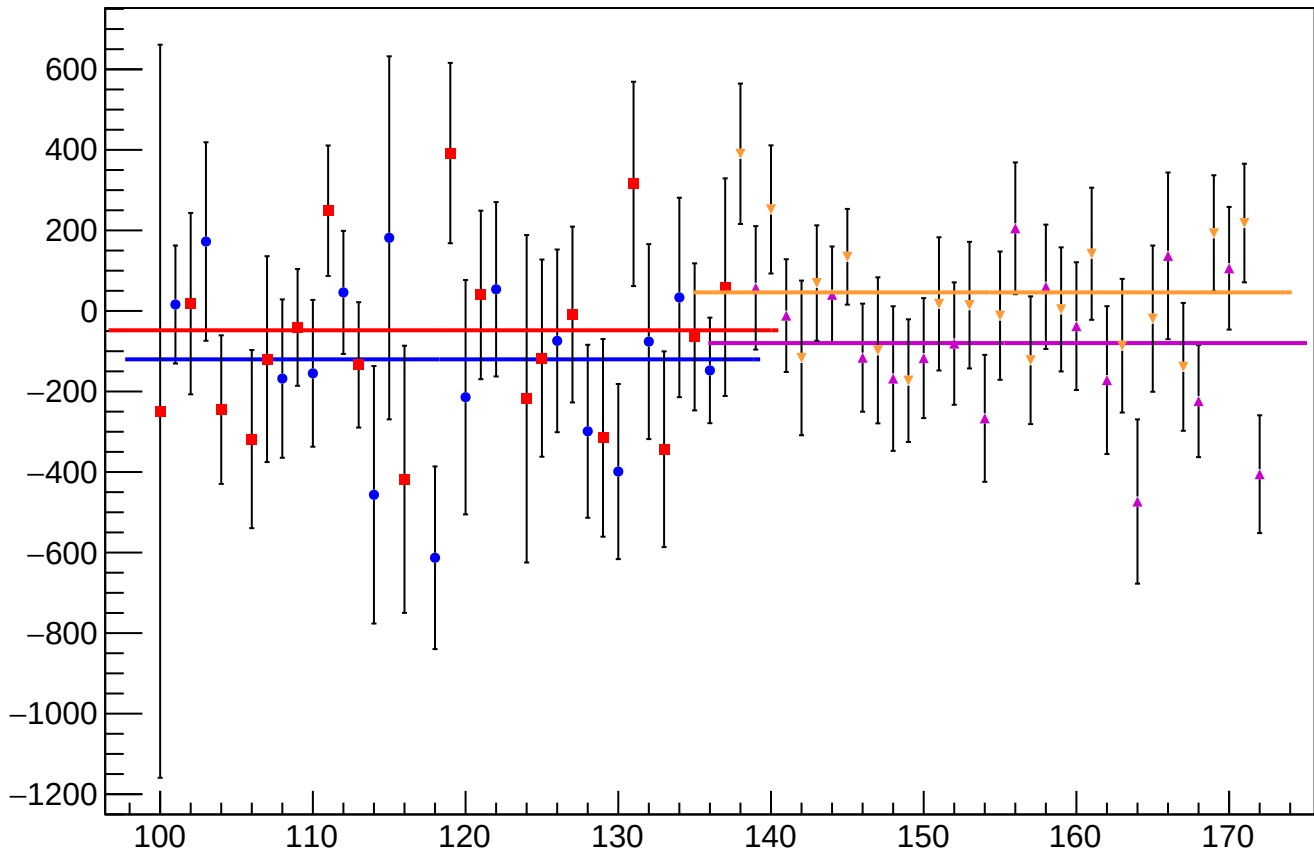
Left In: 1095.800 $\pm$ 0.210 χ^2 /NDF: 616463.8/16

+ sign 1152.303 $\pm$ 0.181 χ^2 /NDF: 2090401.8/33

All: 1140.920 $\pm$ 0.127 χ^2 /NDF: 4193720.5/69

- sign 1129.997 $\pm$ 0.177 χ^2 /NDF: 2095561.2/35

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

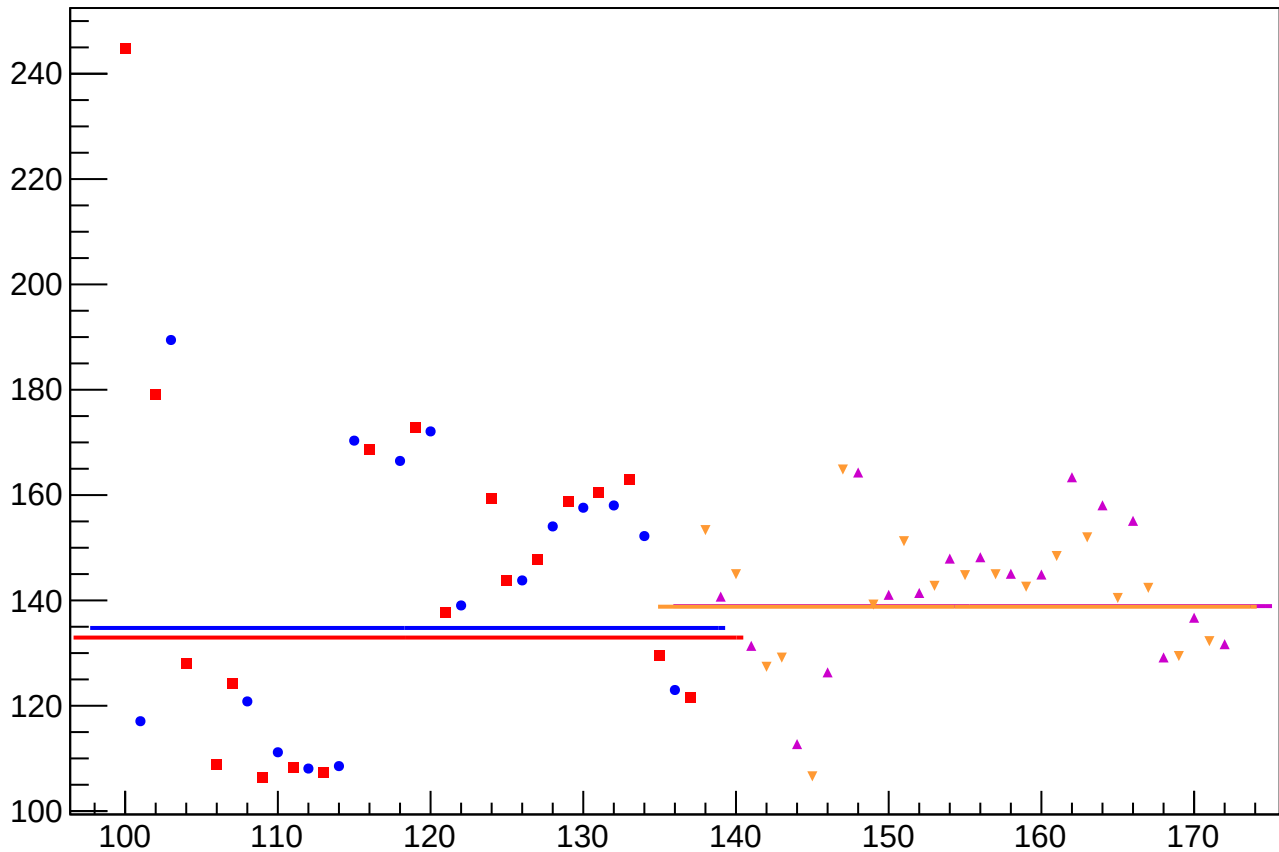
Left In: -79.734 ± 37.380 χ^2/NDF : 20.3/16

+ sign -11.220 ± 29.996 χ^2/NDF : 36.2/33

All: -39.851 ± 21.184 χ^2/NDF : 75.5/69

- sign -68.337 ± 29.921 χ^2/NDF : 37.5/35

cor_asym_sam_48_avg_rms vs Slug



Right In: 134.771 $\pm$ 0.036 χ^2 /NDF: 416781.8/15

Left Out: 138.809 $\pm$ 0.026 χ^2 /NDF: 273812.1/17

Right Out: 132.947 $\pm$ 0.035 χ^2 /NDF: 498850.6/18

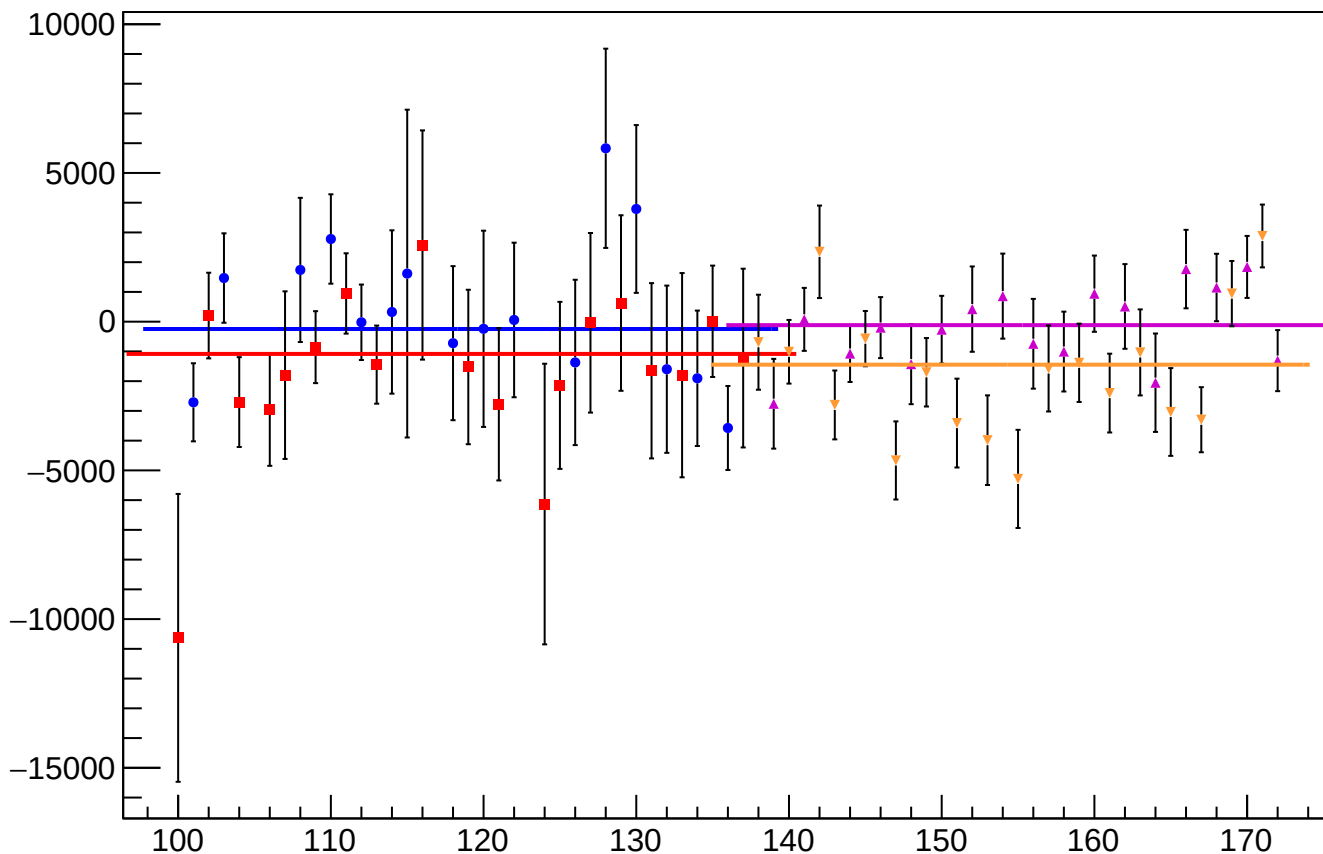
Left In: 138.921 $\pm$ 0.026 χ^2 /NDF: 259375.4/16

+ sign 137.418 $\pm$ 0.021 χ^2 /NDF: 698779.5/33

All: 137.096 $\pm$ 0.015 χ^2 /NDF: 1475820.5/69

- sign 136.775 $\pm$ 0.021 χ^2 /NDF: 776580.1/35

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -246.428 $\pm$ 501.418 χ^2 /NDF: 21.6/15

Left Out: -1446.095 $\pm$ 297.486 χ^2 /NDF:50.8/17

Right Out: -1084.094 $\pm$ 469.323 χ^2 /NDF: 12.8/18

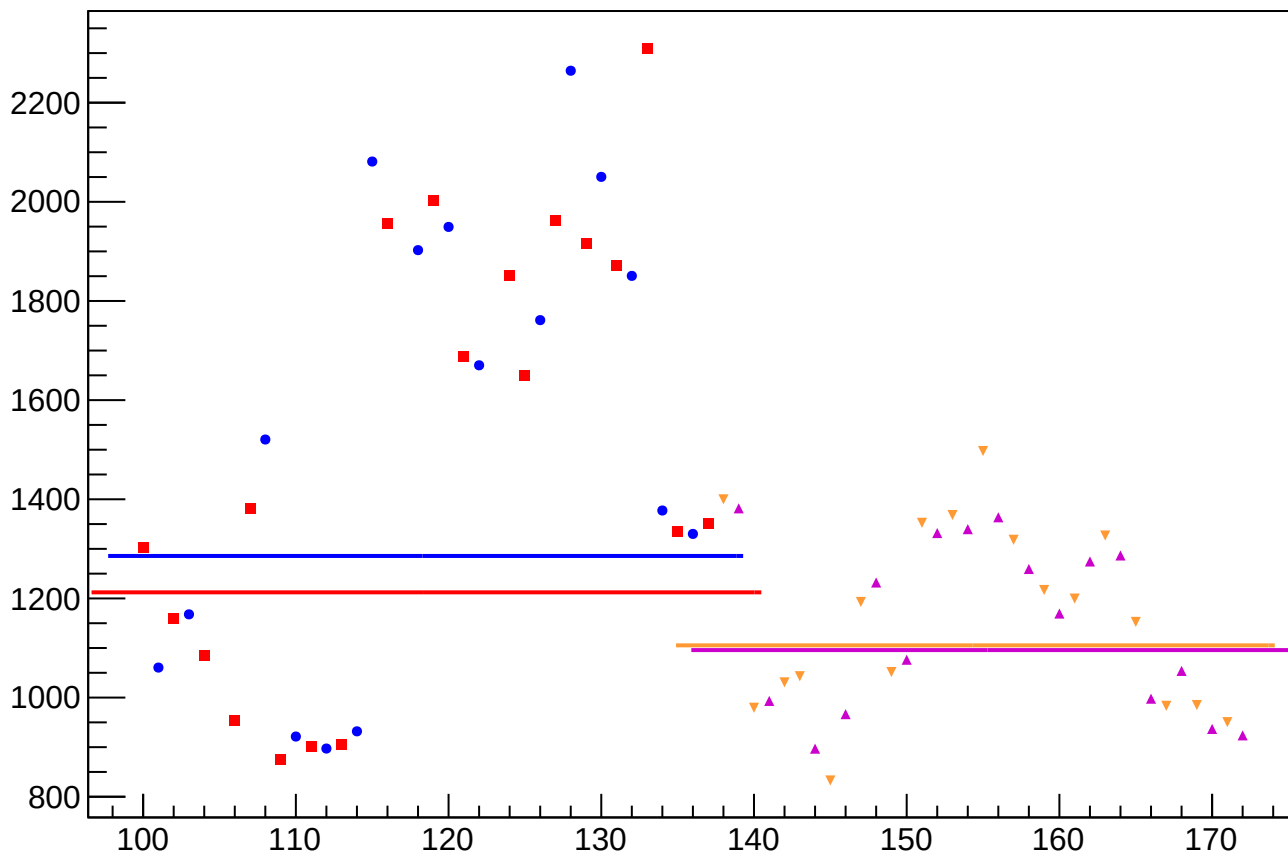
Left In: -116.714 $\pm$ 296.680 χ^2 /NDF:16.7/16

+ sign -1133.760 $\pm$ 255.847 χ^2 /NDF: 76.7/33

All: -755.921 $\pm$ 179.091 χ^2 /NDF: 113.5/69

- sign -392.913 $\pm$ 250.775 χ^2 /NDF: 32.5/35

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1285.682 $\pm$ 0.355 χ^2 /NDF: 1170412.5/15

Left Out: 1105.358 $\pm$ 0.210 χ^2 /NDF: 728672.4/17

Right Out: 1212.276 $\pm$ 0.332 χ^2 /NDF: 1400635.5/18

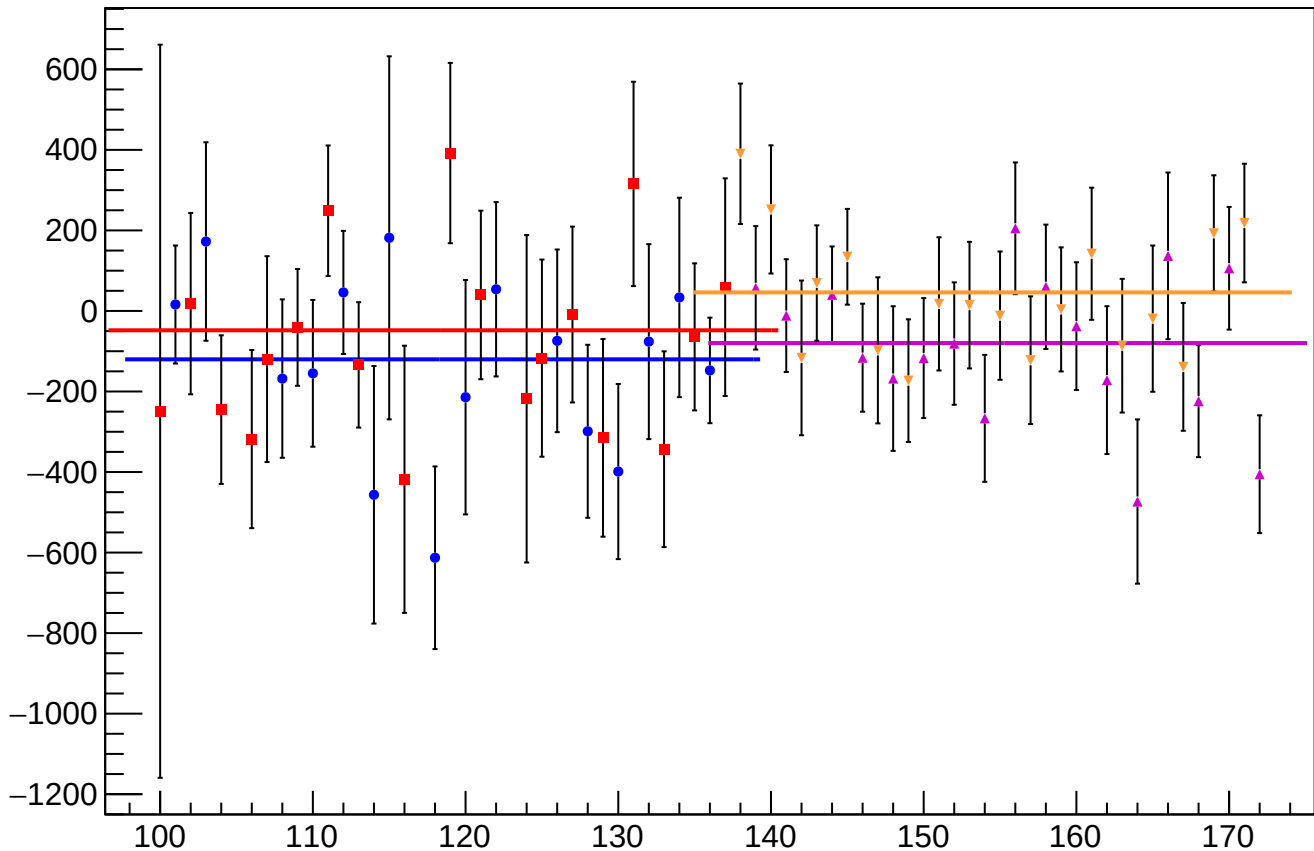
Left In: 1095.800 $\pm$ 0.210 χ^2 /NDF: 616463.0/16

+ sign 1152.305 $\pm$ 0.181 χ^2 /NDF: 2090405.8/33

All: 1140.448 $\pm$ 0.127 χ^2 /NDF: 4203941.2/69

- sign 1129.055 $\pm$ 0.177 χ^2 /NDF: 2105111.9/35

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

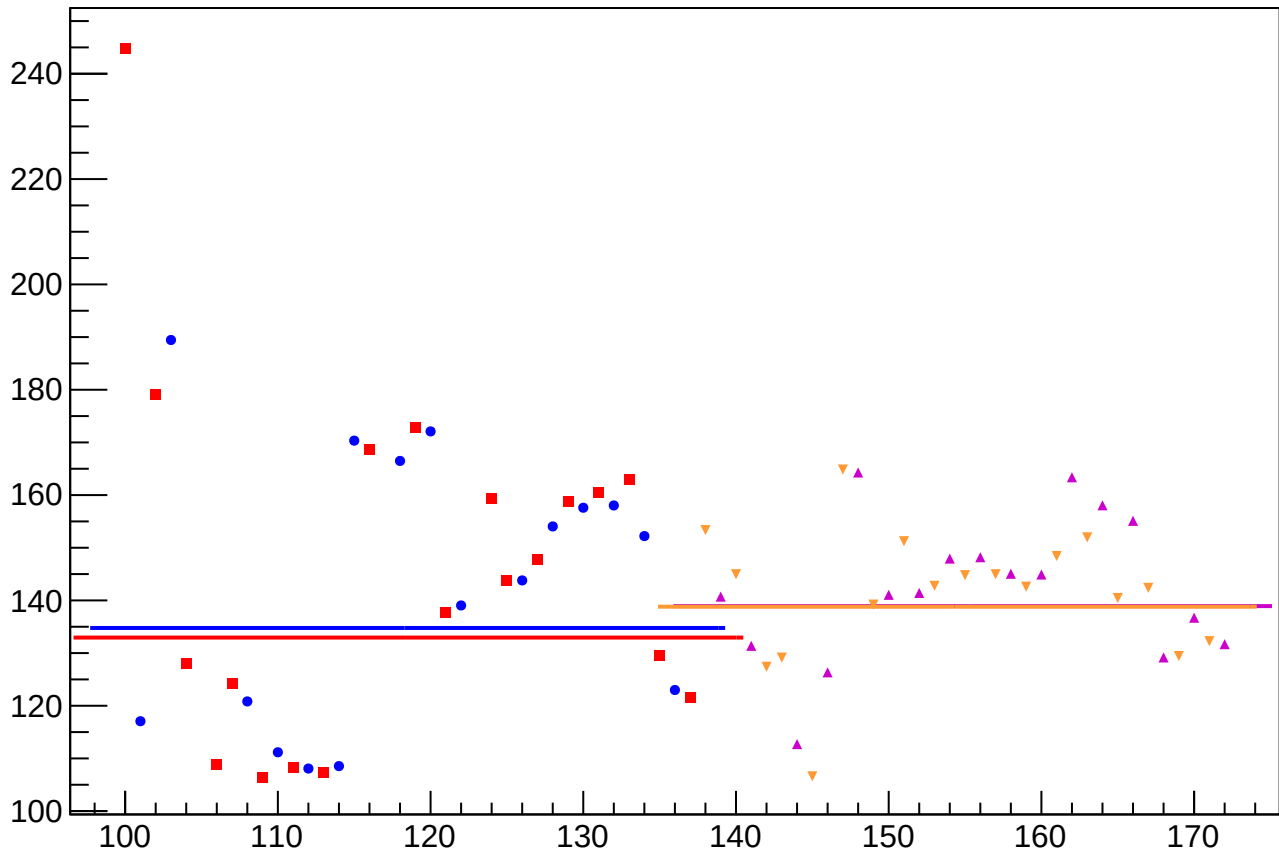
Left In: -79.734 ± 37.380 χ^2/NDF : 20.3/16

+ sign -11.220 ± 29.996 χ^2/NDF : 36.2/33

All: -39.851 ± 21.184 χ^2/NDF : 75.5/69

- sign -68.337 ± 29.921 χ^2/NDF : 37.5/35

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

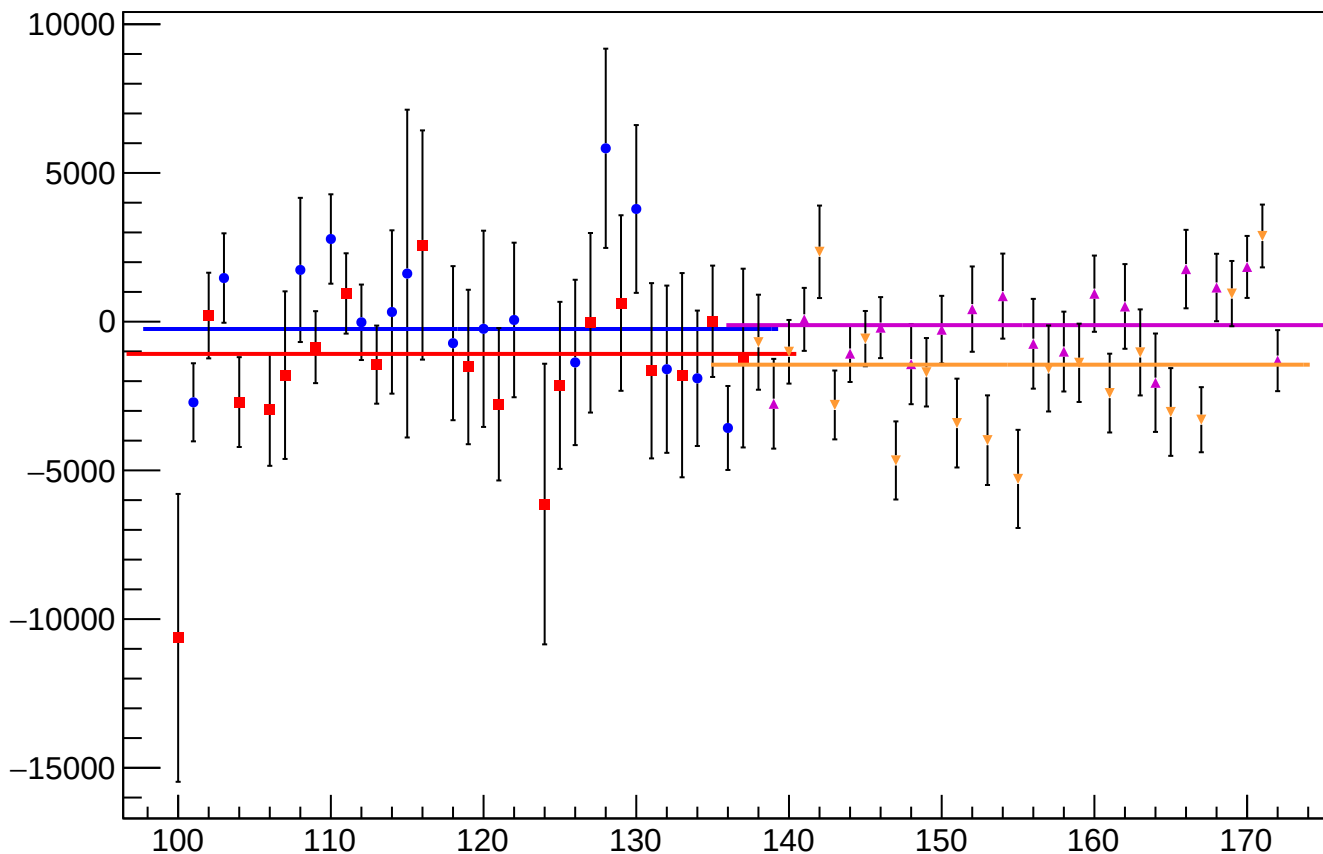
Left In: 138.921+/-0.026 χ^2/NDF : 259375.4/16

+ sign 137.418+/-0.021 χ^2/NDF : 698779.5/33

All: 137.096+/-0.015 χ^2/NDF : 1475820.5/69

- sign 136.775+/-0.021 χ^2/NDF : 776580.1/35

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -246.428 $\pm$ 501.418 χ^2 /NDF: 21.6/15

Left Out: -1446.095 $\pm$ 297.486 χ^2 /NDF:50.8/17

Right Out: -1084.094 $\pm$ 469.323 χ^2 /NDF: 12.8/18

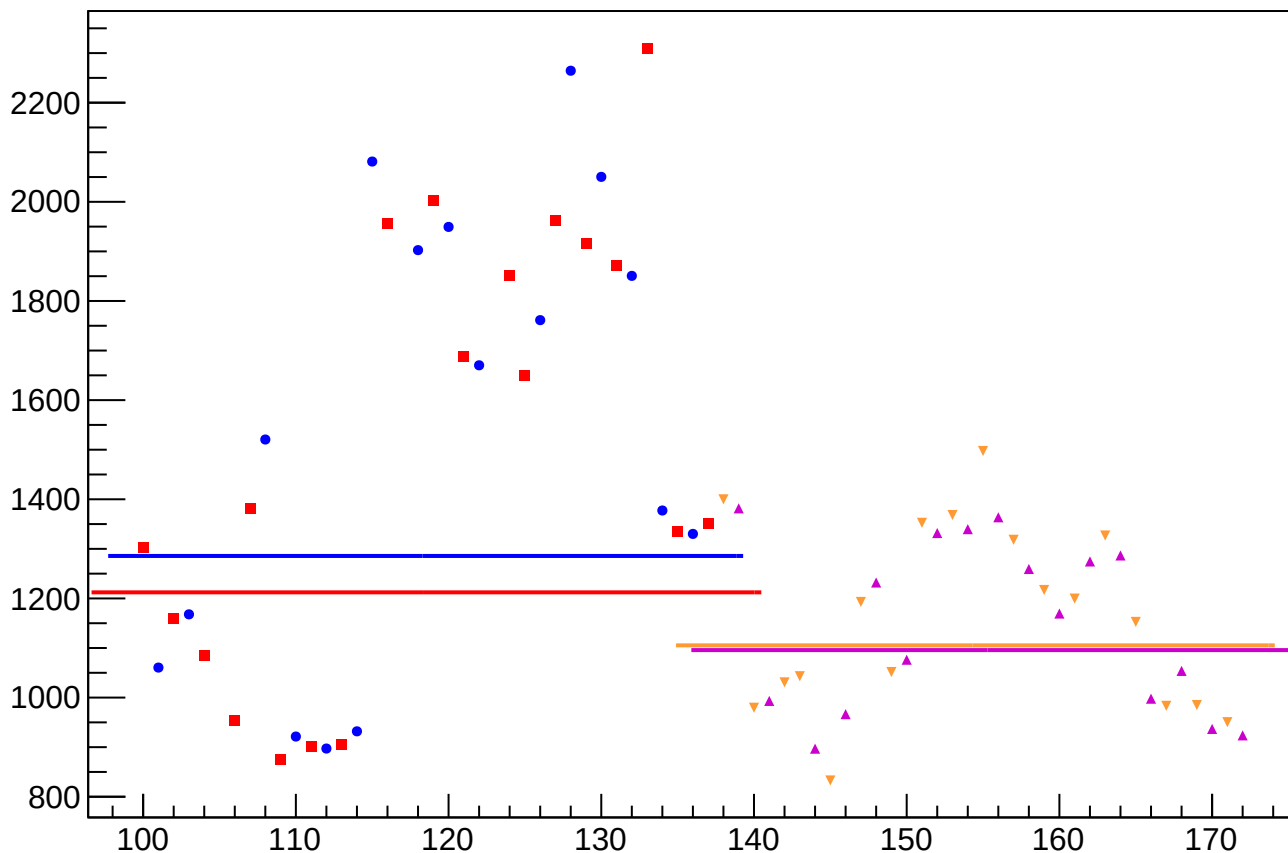
Left In: -116.714 $\pm$ 296.680 χ^2 /NDF:16.7/16

+ sign -1133.760 $\pm$ 255.847 χ^2 /NDF: 76.7/33

All: -755.921 $\pm$ 179.091 χ^2 /NDF: 113.5/69

- sign -392.913 $\pm$ 250.775 χ^2 /NDF: 32.5/35

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1285.682 $\pm$ 0.355 χ^2 /NDF: 1170412.5/15

Left Out: 1105.358 $\pm$ 0.210 χ^2 /NDF: 728672.4/17

Right Out: 1212.276 $\pm$ 0.332 χ^2 /NDF: 1400635.5/18

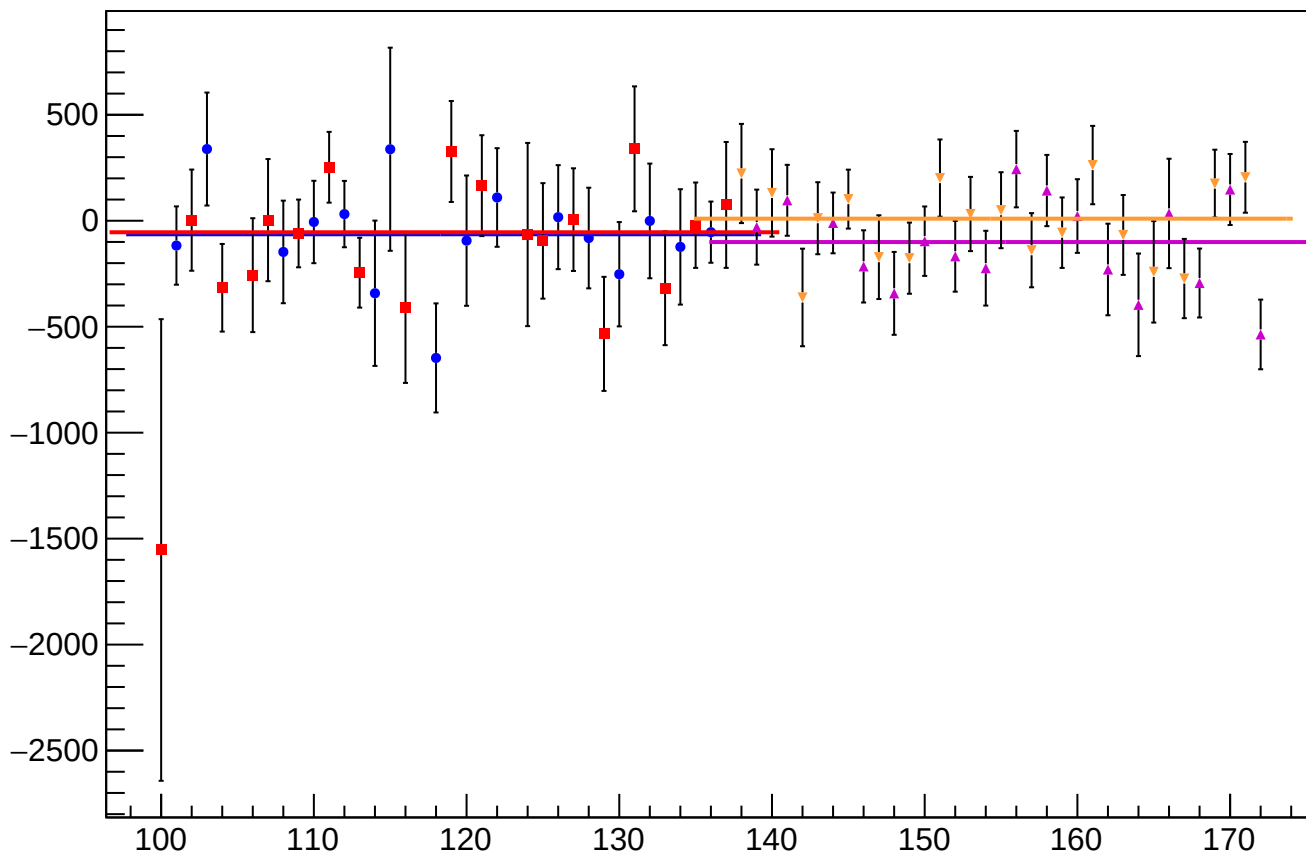
Left In: 1095.800 $\pm$ 0.210 χ^2 /NDF: 616463.0/16

+ sign 1152.305 $\pm$ 0.181 χ^2 /NDF: 2090405.8/33

All: 1140.448 $\pm$ 0.127 χ^2 /NDF: 4203941.2/69

- sign 1129.055 $\pm$ 0.177 χ^2 /NDF: 2105111.9/35

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.781 $\pm$ 56.734 χ^2 /NDF: 10.8/15

Left Out: 9.868 $\pm$ 42.677 χ^2 /NDF:16.2/17

Right Out: -54.305 $\pm$ 54.743 χ^2 /NDF: 19.5/18

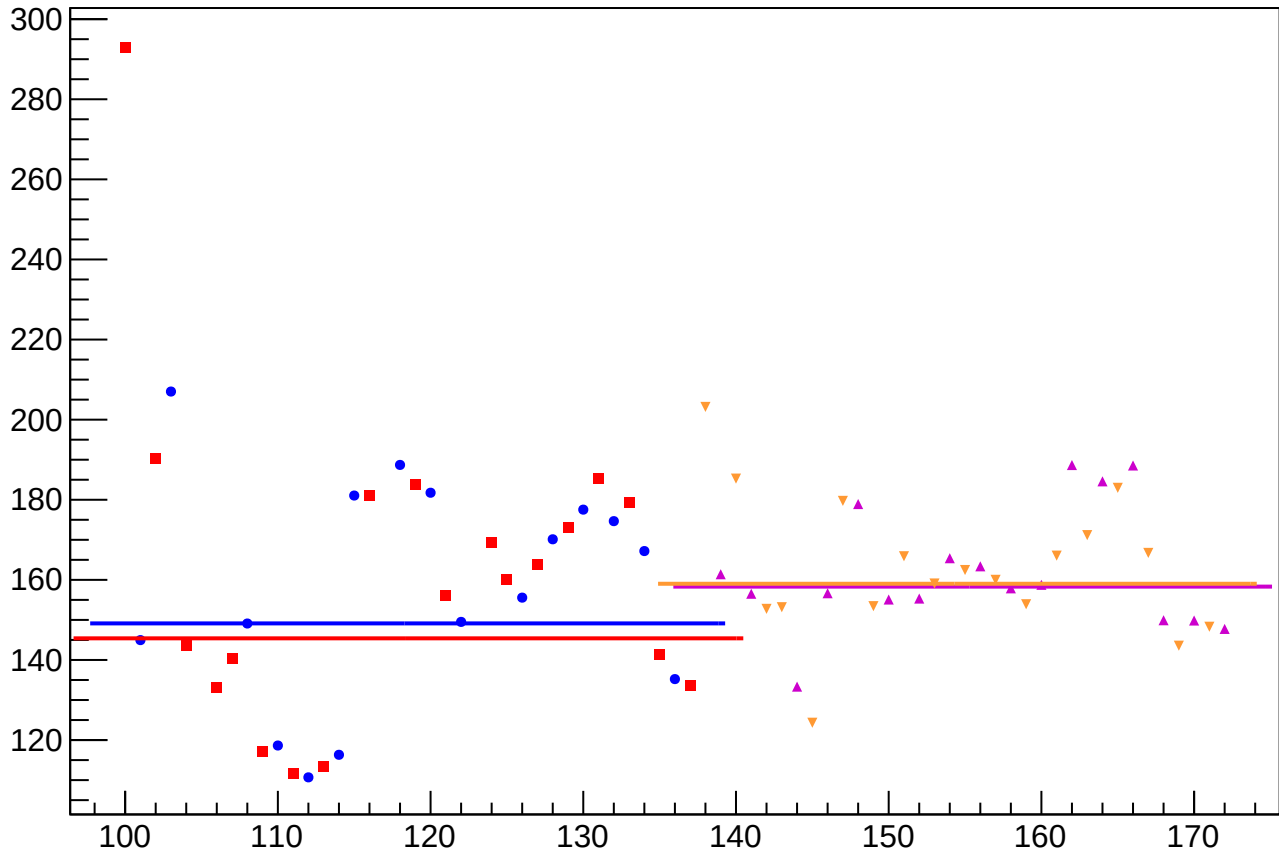
Left In: -100.528 $\pm$ 42.820 χ^2 /NDF:23.6/16

+ sign -16.746 $\pm$ 34.105 χ^2 /NDF: 28.1/33

All: -50.232 $\pm$ 23.981 χ^2 /NDF: 73.5/69

- sign -82.982 $\pm$ 33.728 χ^2 /NDF: 43.5/35

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

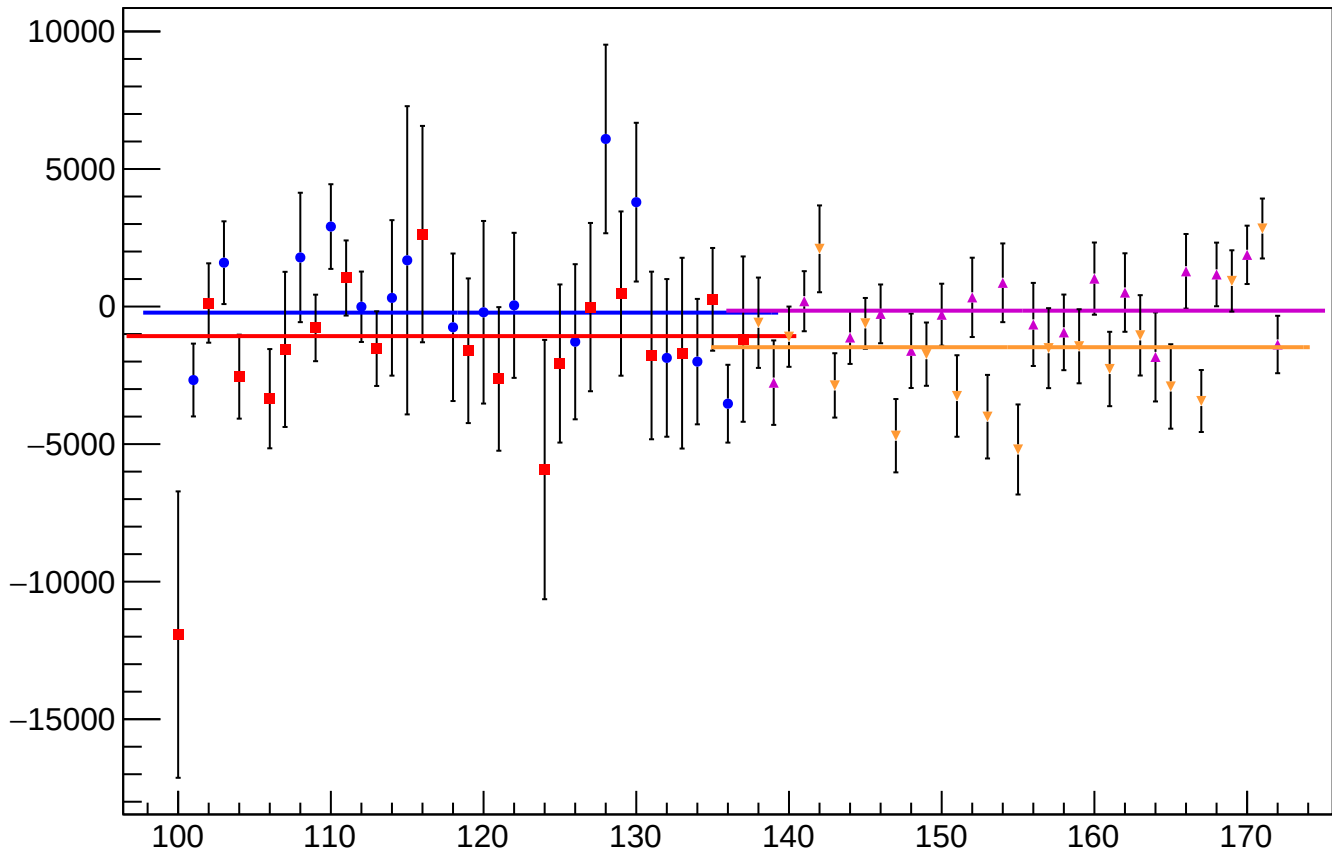
Left In: 158.315 ± 0.030 χ^2/NDF : 199467.3/16

+ sign 155.450 ± 0.024 χ^2/NDF : 813100.1/33

All: 154.420 ± 0.017 χ^2/NDF : 1611068.9/69

- sign 153.412 ± 0.024 χ^2/NDF : 794358.0/35

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

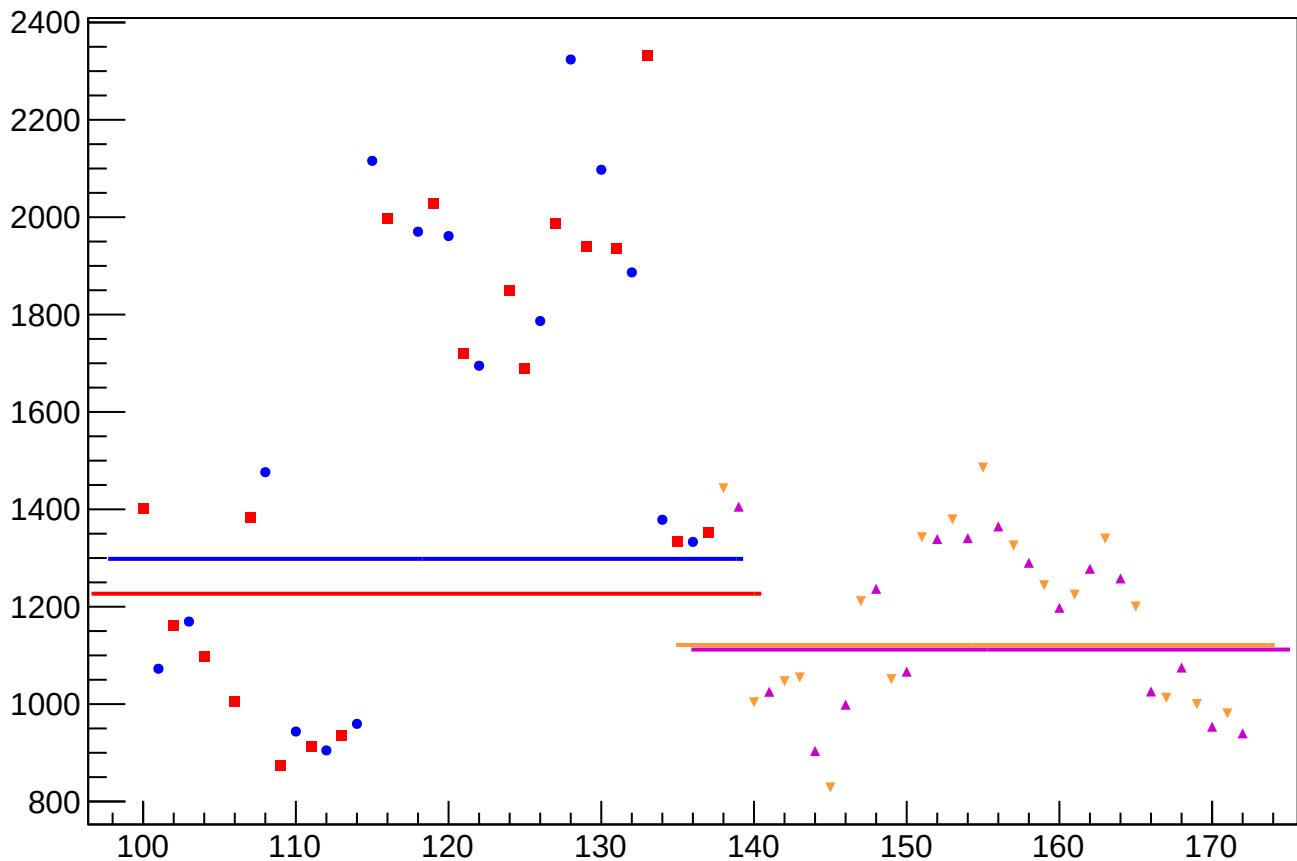
Left In: -149.857 ± 300.892 χ^2/NDF : 15.8/16

+ sign -1148.495 ± 259.084 χ^2/NDF : 74.2/33

All: -774.959 ± 181.321 χ^2/NDF : 110.4/69

- sign -416.365 ± 253.849 χ^2/NDF : 32.1/35

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1298.293 $\pm$ 0.358 χ^2 /NDF: 1182123.0/15

Left Out: 1121.406 $\pm$ 0.213 χ^2 /NDF: 723351.2/17

Right Out: 1226.729 $\pm$ 0.334 χ^2 /NDF: 1404521.7/18

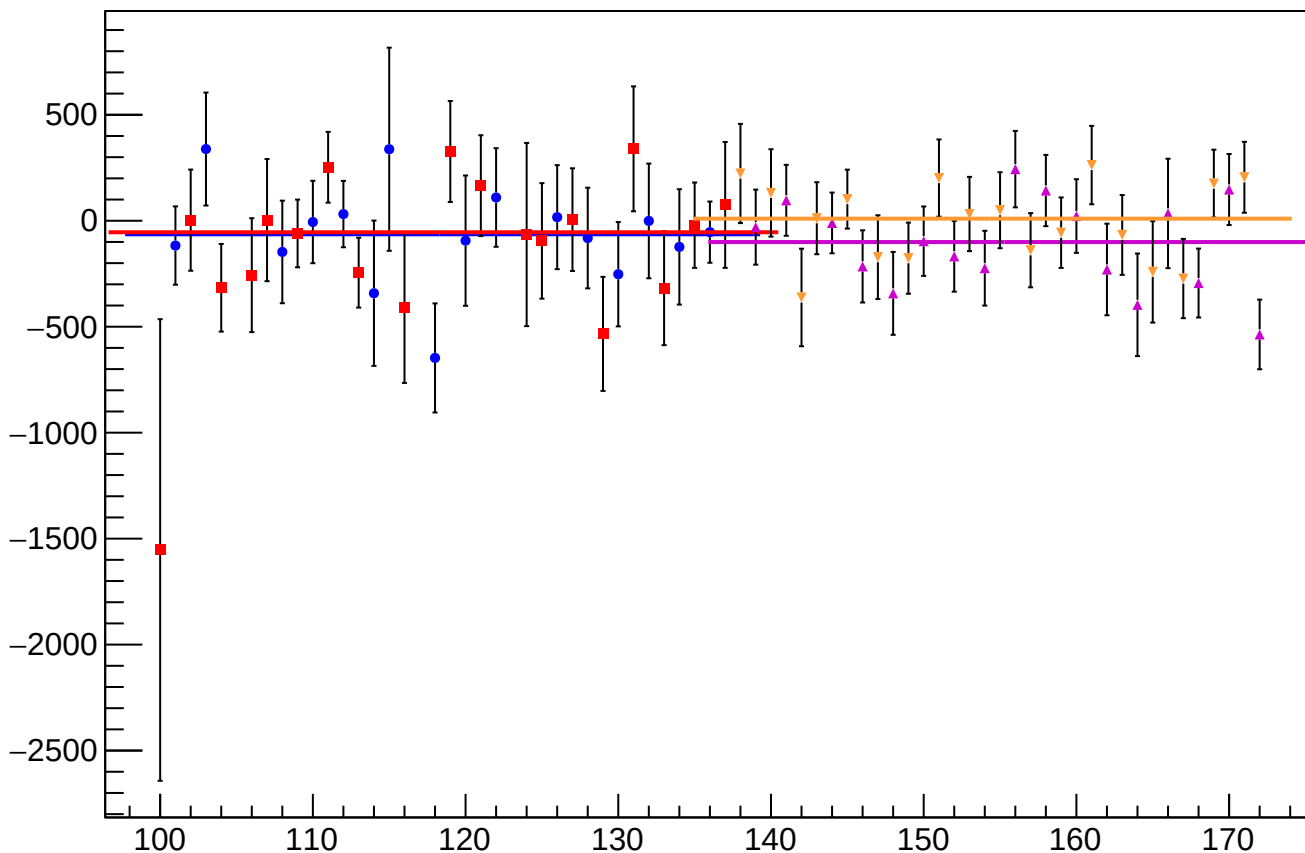
Left In: 1112.024 $\pm$ 0.213 χ^2 /NDF: 573817.0/16

+ sign 1167.743 $\pm$ 0.183 χ^2 /NDF: 2085717.1/33

All: 1156.184 $\pm$ 0.128 χ^2 /NDF: 4155636.8/69

- sign 1145.088 $\pm$ 0.179 χ^2 /NDF: 2062117.2/35

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

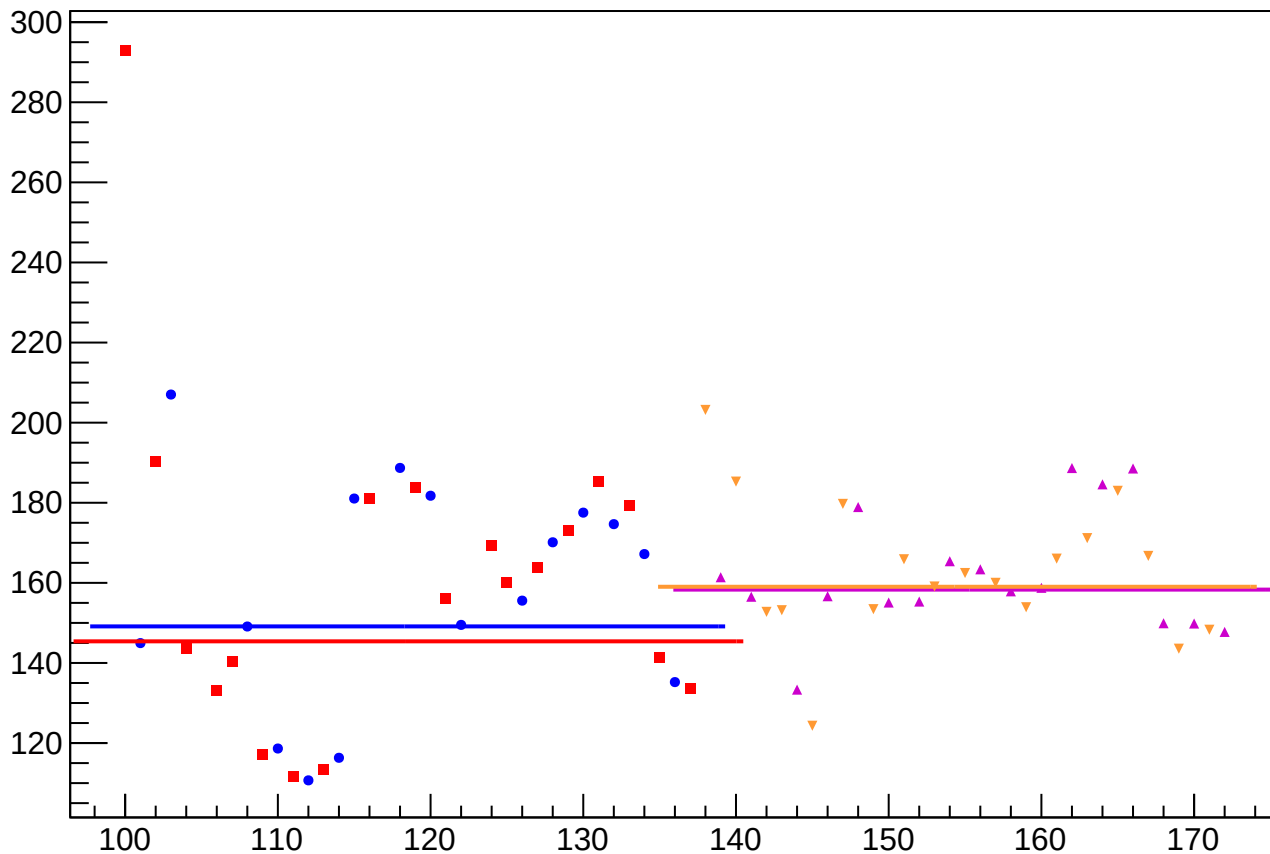
Left In: -100.528 ± 42.820 χ^2/NDF : 23.6/16

+ sign -16.744 ± 34.105 χ^2/NDF : 28.1/33

All: -50.231 ± 23.981 χ^2/NDF : 73.5/69

- sign -82.982 ± 33.728 χ^2/NDF : 43.5/35

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 149.130 $\pm$ 0.040 χ^2 /NDF: 451005.1/15

Left Out: 159.027 $\pm$ 0.030 χ^2 /NDF: 323229.7/17

Right Out: 145.399 $\pm$ 0.039 χ^2 /NDF: 525822.2/18

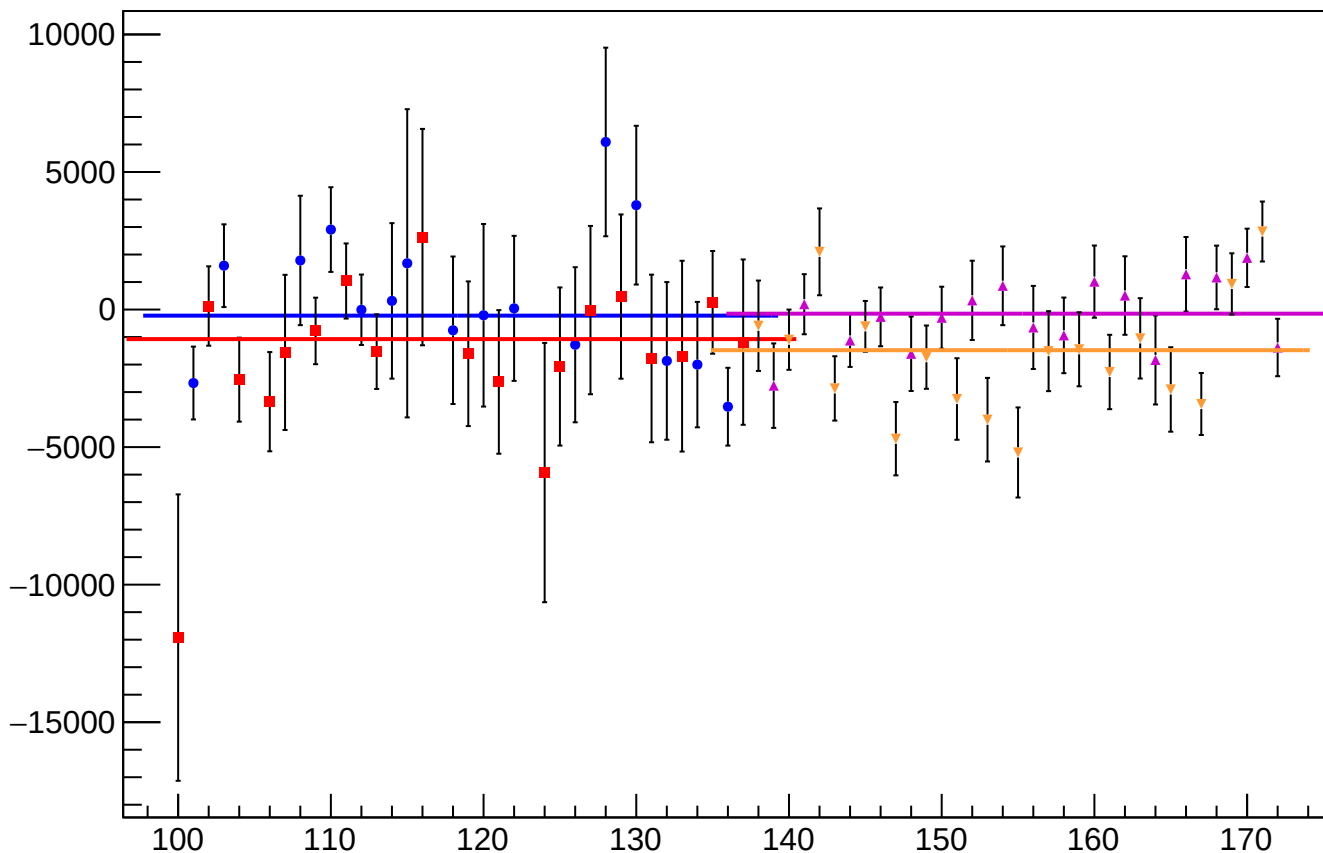
Left In: 158.315 $\pm$ 0.030 χ^2 /NDF: 199466.1/16

+ sign 155.450 $\pm$ 0.024 χ^2 /NDF: 813099.3/33

All: 154.420 $\pm$ 0.017 χ^2 /NDF: 1611072.9/69

- sign 153.412 $\pm$ 0.024 χ^2 /NDF: 794362.5/35

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -221.239 $\pm$ 506.201 χ^2 /NDF: 21.9/15

Left Out: -1477.610 $\pm$ 301.578 χ^2 /NDF:47.8/17

Right Out: -1074.432 $\pm$ 472.816 χ^2 /NDF: 13.6/18

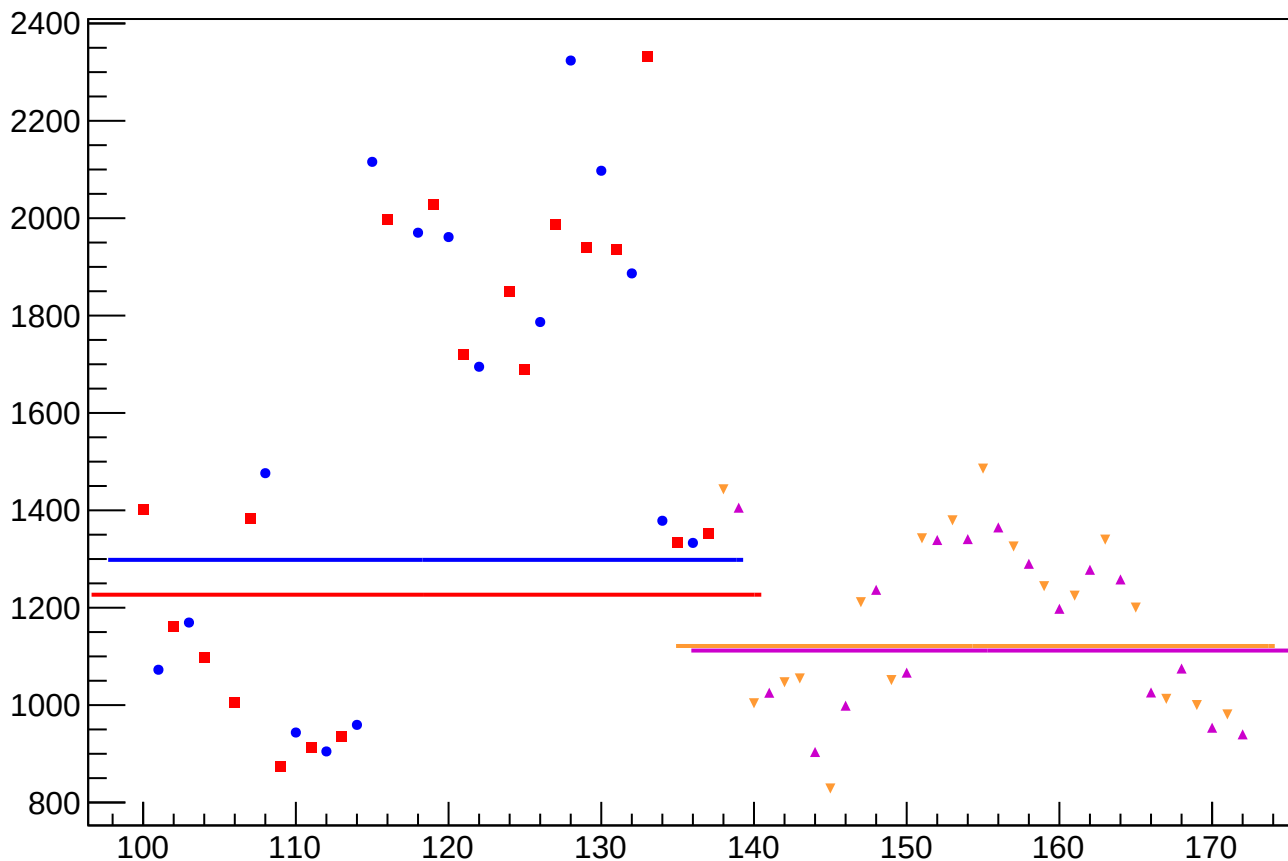
Left In: -149.855 $\pm$ 300.892 χ^2 /NDF:15.8/16

+ sign -1148.493 $\pm$ 259.083 χ^2 /NDF: 74.2/33

All: -774.957 $\pm$ 181.321 χ^2 /NDF: 110.4/69

- sign -416.363 $\pm$ 253.849 χ^2 /NDF: 32.1/35

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1298.292 $\pm$ 0.358 χ^2 /NDF: 1182127.2/15

Left Out: 1121.404 $\pm$ 0.213 χ^2 /NDF: 723355.5/17

Right Out: 1226.727 $\pm$ 0.334 χ^2 /NDF: 1404524.7/18

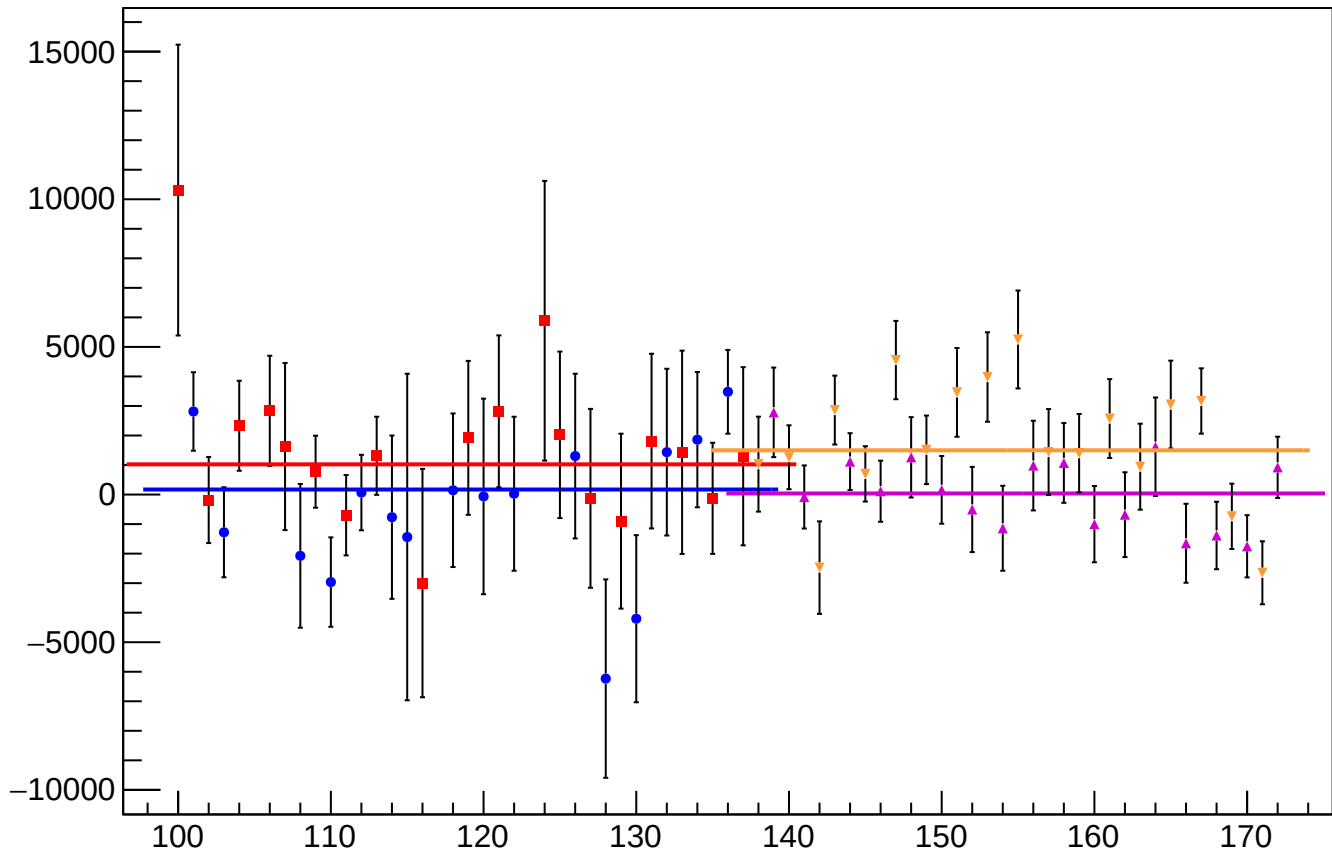
Left In: 1112.023 $\pm$ 0.213 χ^2 /NDF: 573817.1/16

+ sign 1167.741 $\pm$ 0.183 χ^2 /NDF: 2085726.5/33

All: 1156.182 $\pm$ 0.128 χ^2 /NDF: 4155649.8/69

- sign 1145.086 $\pm$ 0.179 χ^2 /NDF: 2062120.9/35

asym_sam_48_avg_mean vs Slug



Right In: 171.056 $\pm$ 505.136 χ^2 /NDF: 22.6/15

Left Out: 1499.398 $\pm$ 299.956 χ^2 /NDF: 46.9/17

Right Out: 1023.699 $\pm$ 472.008 χ^2 /NDF: 11.6/18

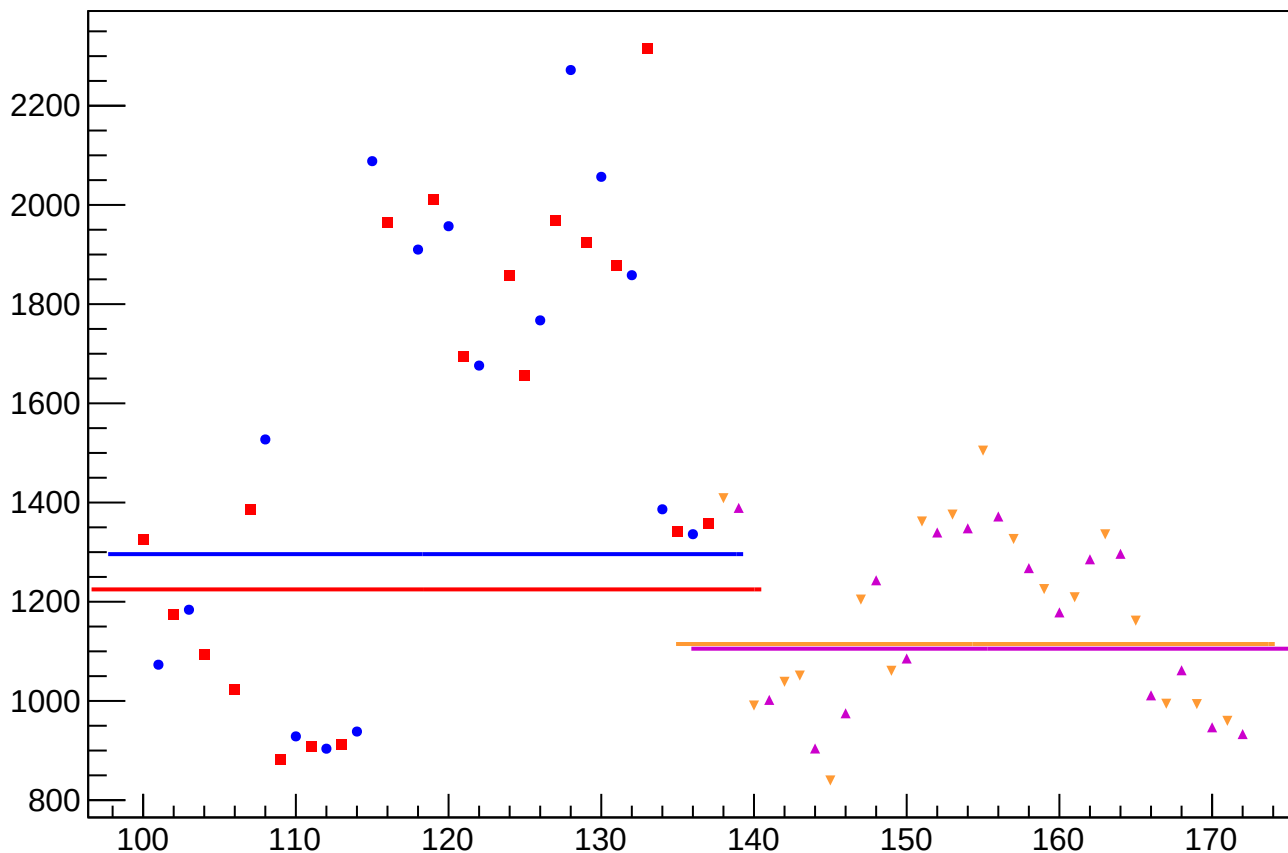
Left In: 37.341 $\pm$ 299.191 χ^2 /NDF: 15.7/16

+ sign 1153.112 $\pm$ 257.911 χ^2 /NDF: 74.5/33

All: 728.085 $\pm$ 180.501 χ^2 /NDF: 110.3/69

- sign 320.057 $\pm$ 252.701 χ^2 /NDF: 30.4/35

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

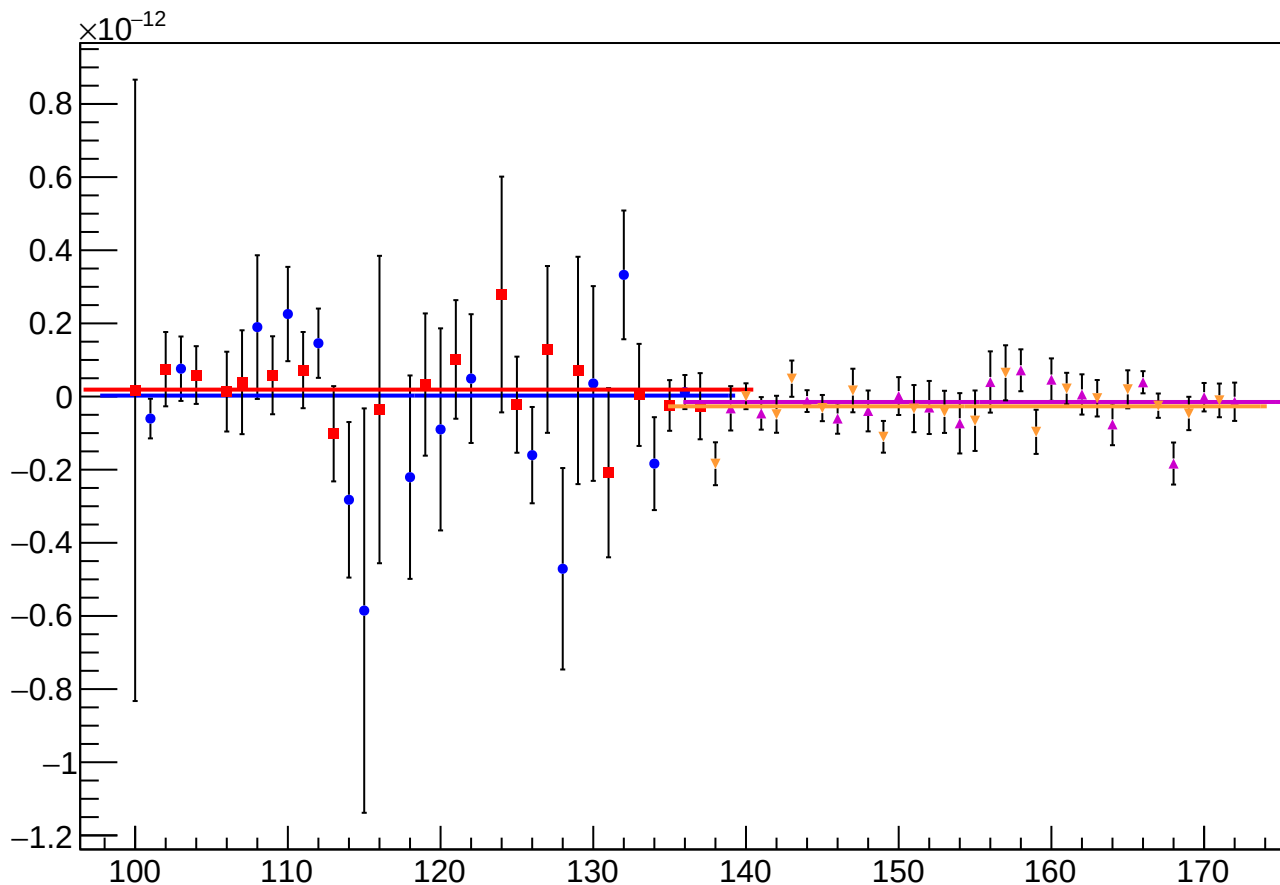
Left In: 1105.315+/-0.212 χ^2/NDF : 606574.9/16

+ sign 1162.035+/-0.182 χ^2/NDF : 2062191.8/33

All: 1150.580+/-0.128 χ^2/NDF : 4139322.8/69

- sign 1139.583+/-0.179 χ^2/NDF : 2069397.8/35

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4.7/18

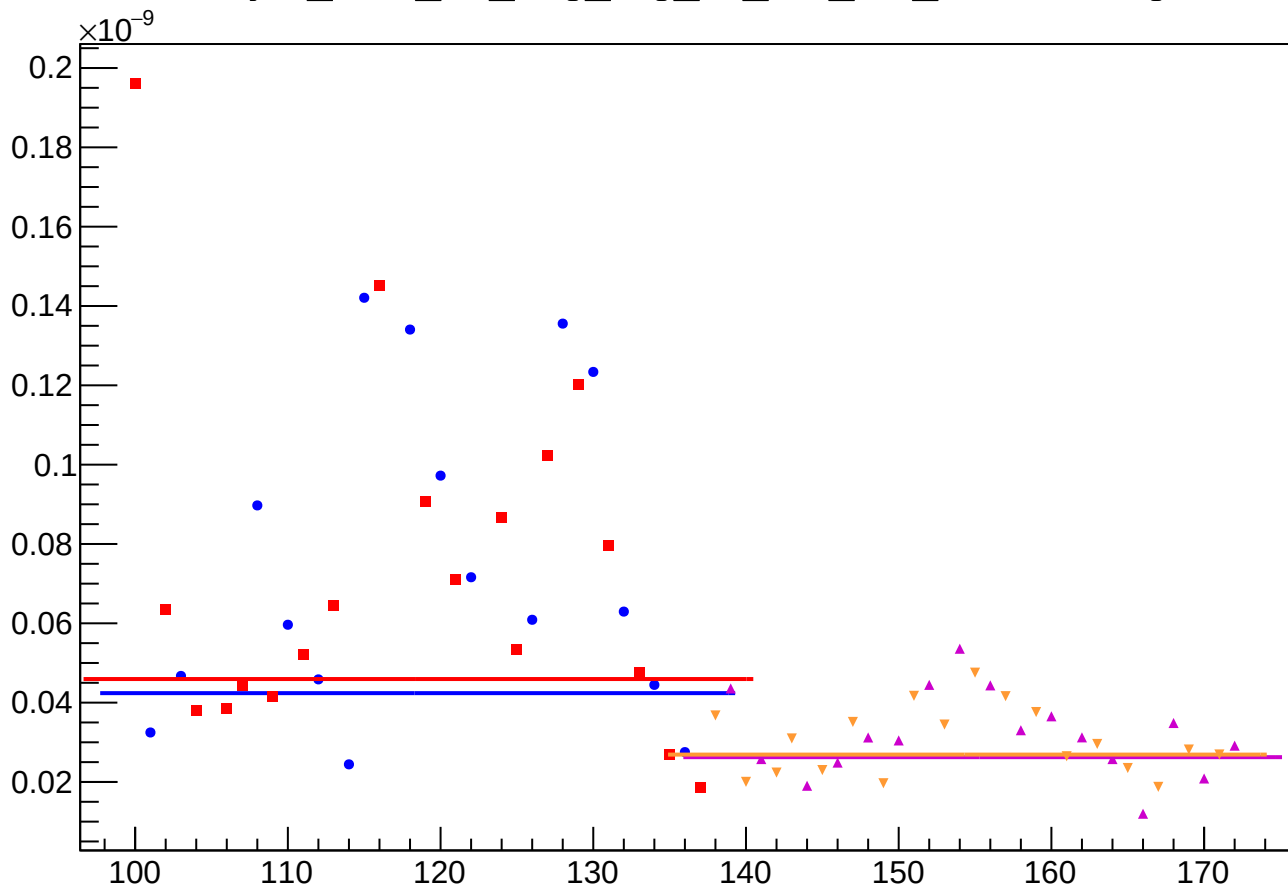
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 69.5/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 25.5/35

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

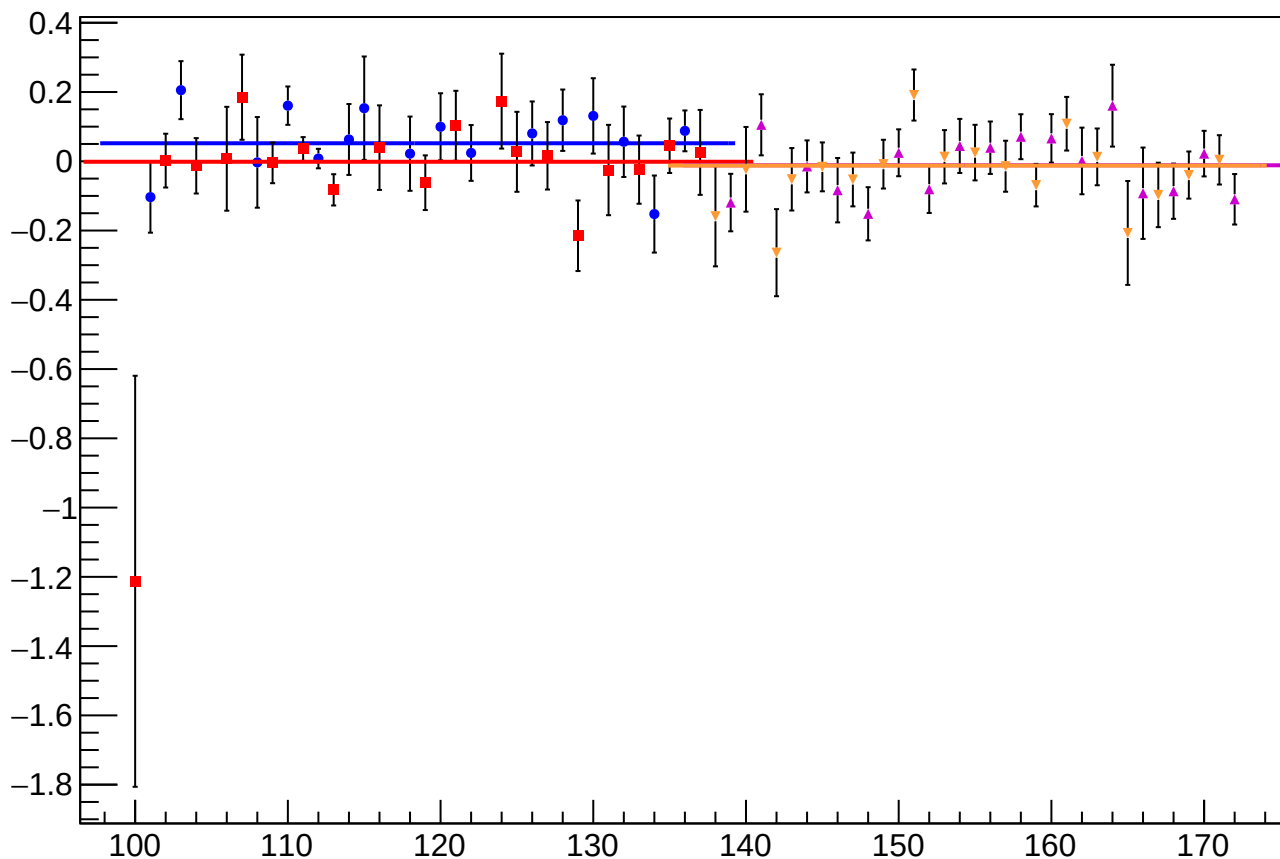
Left In: 0.000+/-0.000 χ^2/NDF : 1390964.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 2726920.8/33

All: 0.000+/-0.000 χ^2/NDF : 6036362.6/69

- sign 0.000+/-0.000 χ^2/NDF : 3309014.6/35

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 $\chi^2/\text{NDF}: 18.0/15$

Left Out: -0.012 ± 0.019 $\chi^2/\text{NDF}: 19.6/17$

Right Out: -0.001 ± 0.018 $\chi^2/\text{NDF}: 19.2/18$

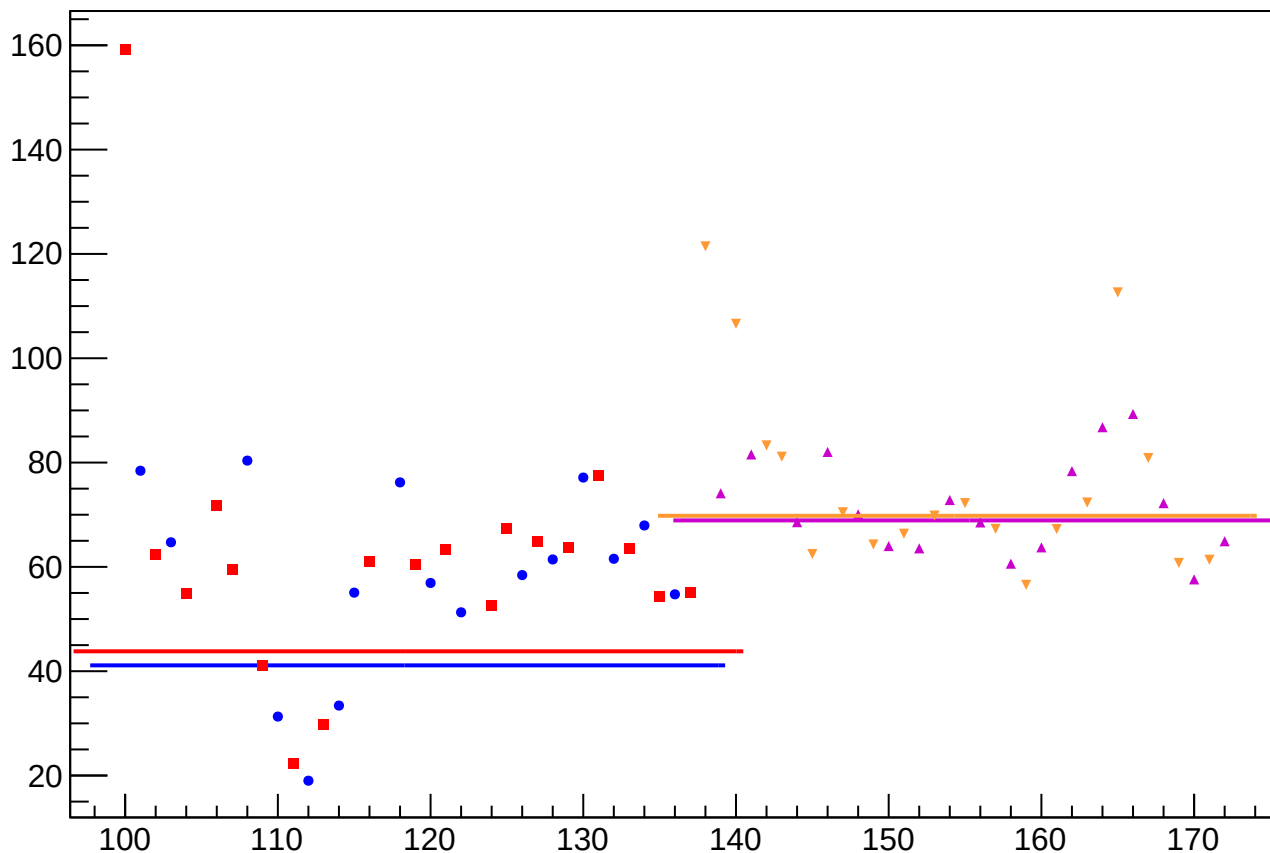
Left In: -0.012 ± 0.019 $\chi^2/\text{NDF}: 17.9/16$

+ sign 0.022 ± 0.013 $\chi^2/\text{NDF}: 43.6/33$

All: 0.008 ± 0.009 $\chi^2/\text{NDF}: 83.3/69$

- sign -0.006 ± 0.013 $\chi^2/\text{NDF}: 37.3/35$

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.120 $\pm$ 0.013 χ^2 /NDF: 2925302.3/15

Left Out: 69.799 $\pm$ 0.014 χ^2 /NDF: 884437.6/17

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048452.0/18

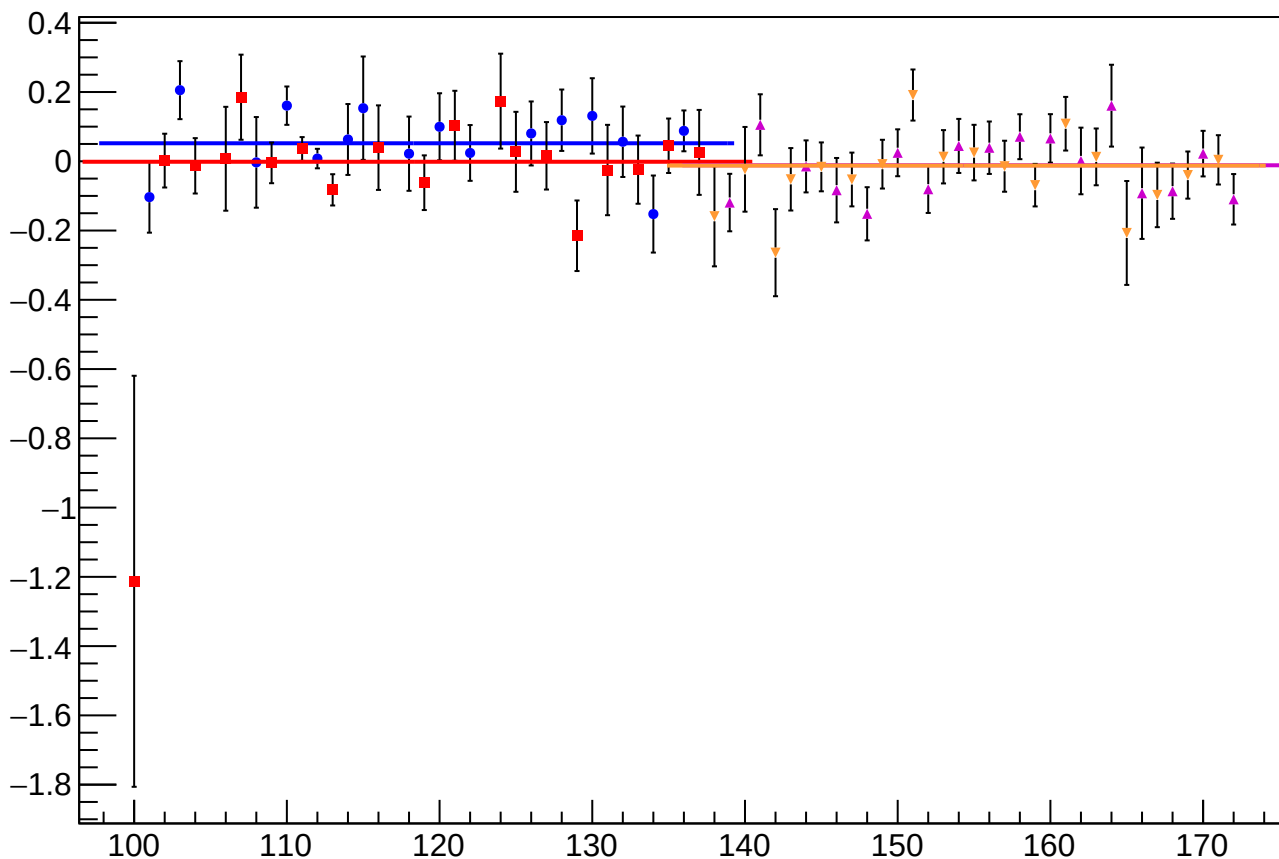
Left In: 68.912 $\pm$ 0.013 χ^2 /NDF: 342152.8/16

+ sign 54.359 $\pm$ 0.009 χ^2 /NDF: 6213920.0/33

All: 54.986 $\pm$ 0.007 χ^2 /NDF: 10456798.4/69

- sign 55.614 $\pm$ 0.009 χ^2 /NDF: 4233629.1/35

asym_sam_48_avg_dit_vs_eigen_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

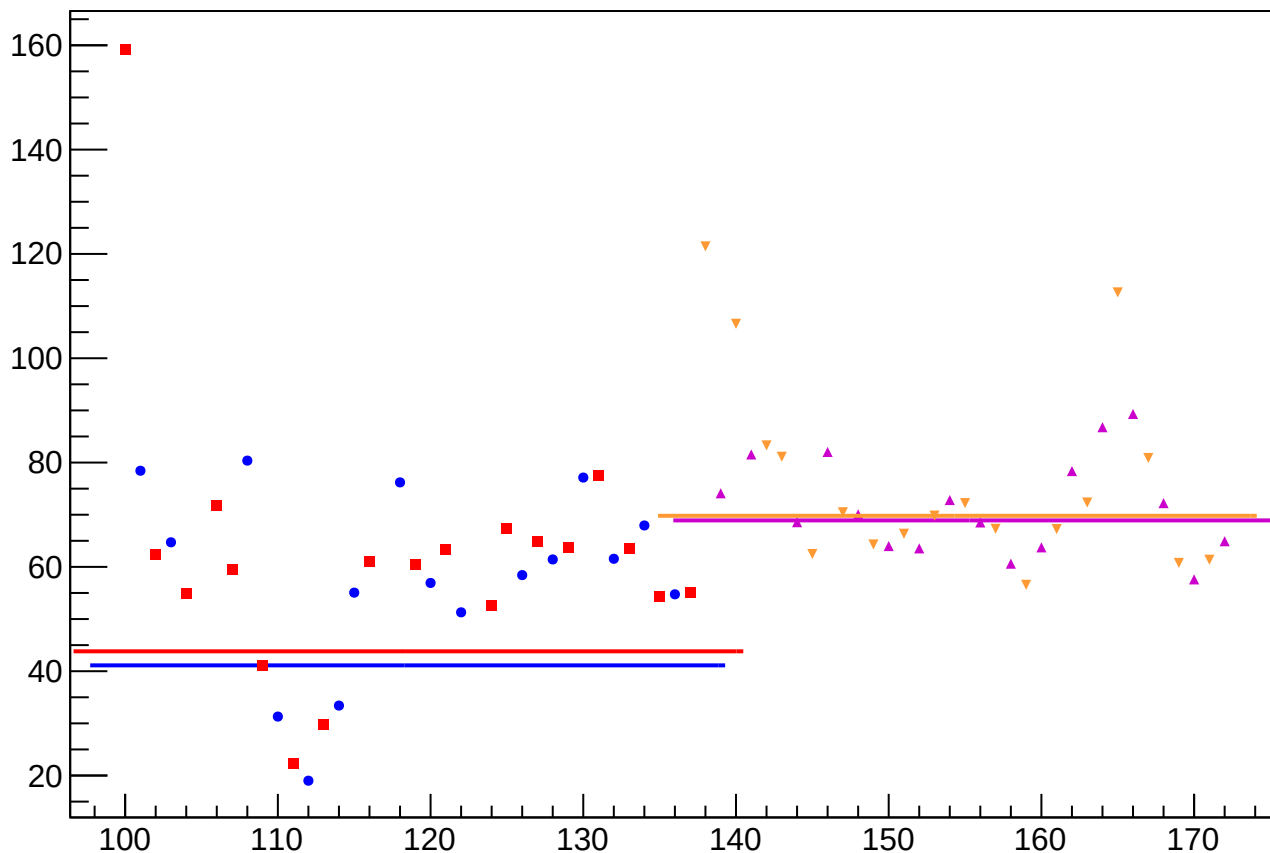
Left In: -0.012 ± 0.019 χ^2/NDF : 17.9/16

+ sign 0.022 ± 0.013 χ^2/NDF : 43.6/33

All: 0.008 ± 0.009 χ^2/NDF : 83.3/69

- sign -0.006 ± 0.013 χ^2/NDF : 37.3/35

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.120 $\pm$ 0.013 χ^2 /NDF: 2925302.3/15

Left Out: 69.799 $\pm$ 0.014 χ^2 /NDF: 884437.6/17

Right Out: 43.813 $\pm$ 0.013 χ^2 /NDF: 2048452.0/18

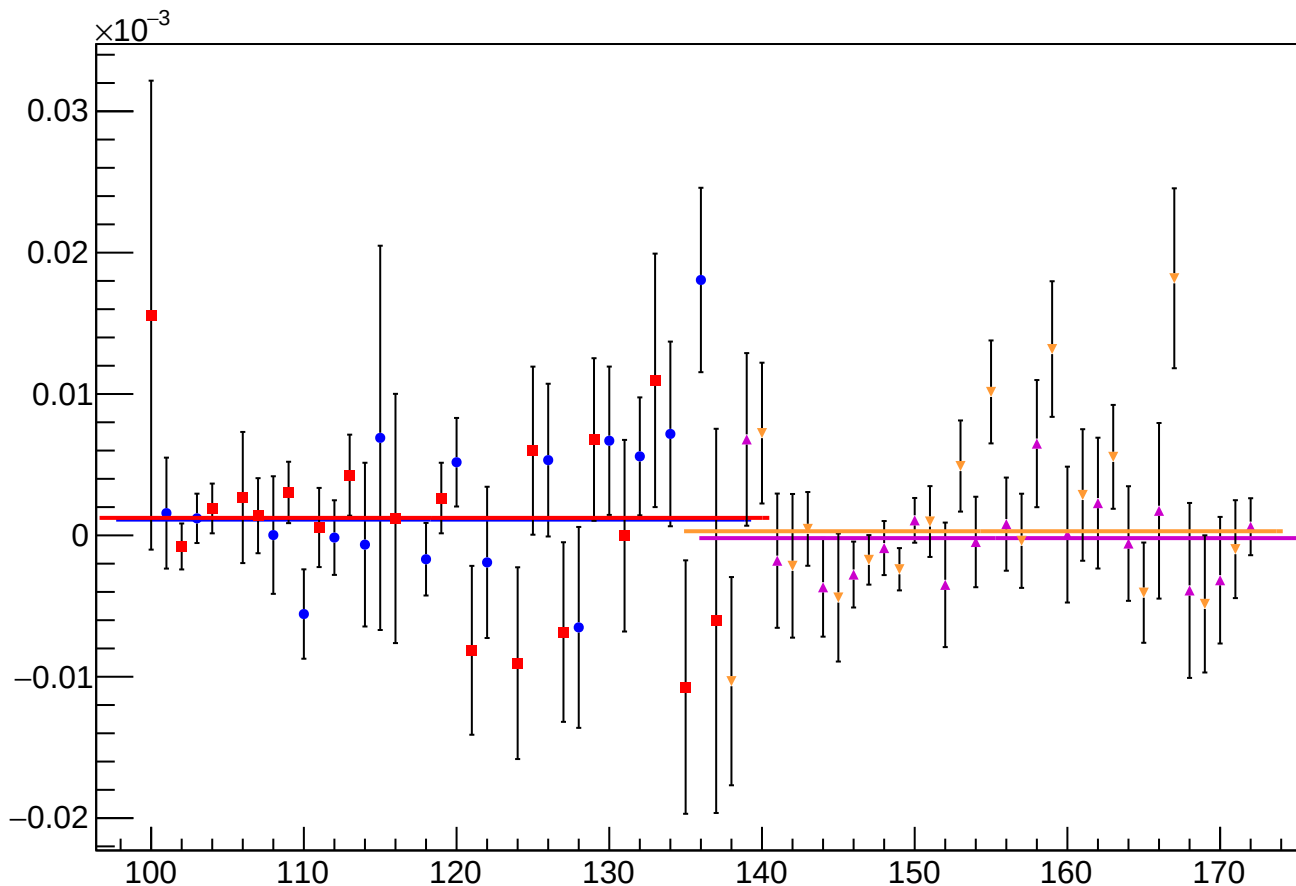
Left In: 68.912 $\pm$ 0.013 χ^2 /NDF: 342152.8/16

+ sign 54.359 $\pm$ 0.009 χ^2 /NDF: 6213920.0/33

All: 54.986 $\pm$ 0.007 χ^2 /NDF: 10456798.4/69

- sign 55.614 $\pm$ 0.009 χ^2 /NDF: 4233629.1/35

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 39.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/18

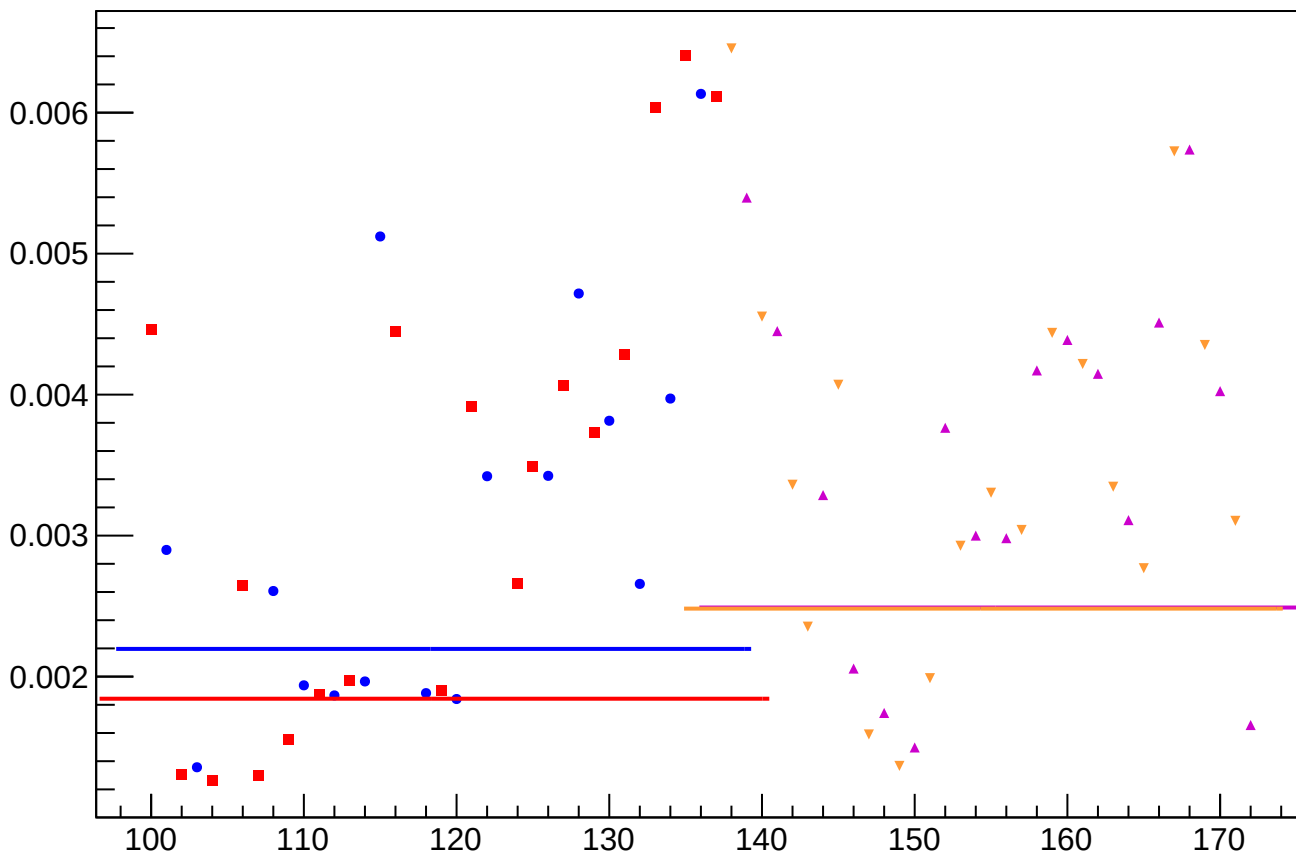
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 86.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.4/35

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

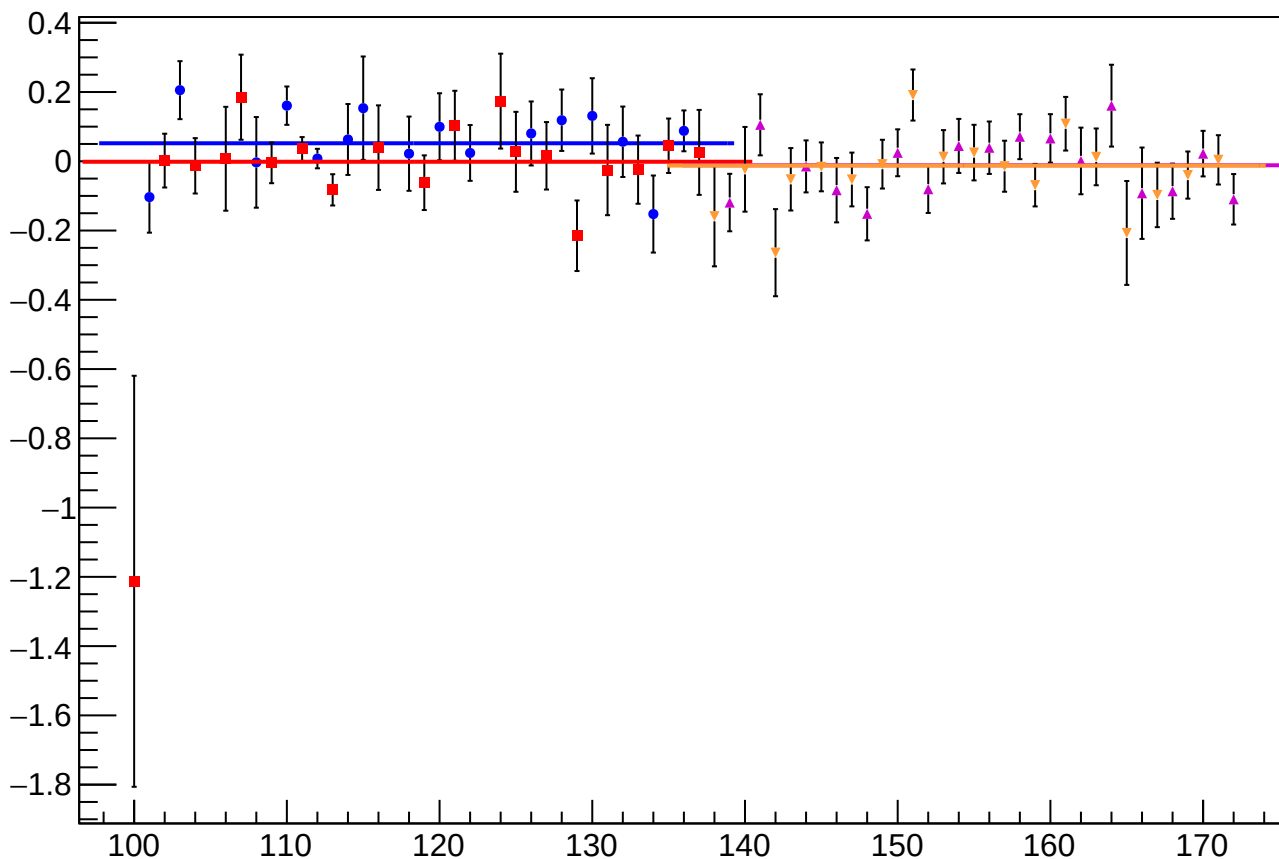
Left In: 0.002+/-0.000 χ^2/NDF : 4557994.3/16

+ sign 0.002+/-0.000 χ^2/NDF : 7172627.3/33

All: 0.002+/-0.000 χ^2/NDF : 15728509.0/69

- sign 0.002+/-0.000 χ^2/NDF : 8429902.9/35

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2 /NDF: 18.0/15

Left Out: -0.012 $\pm$ 0.019 χ^2 /NDF: 19.6/17

Right Out: -0.001 $\pm$ 0.018 χ^2 /NDF: 19.2/18

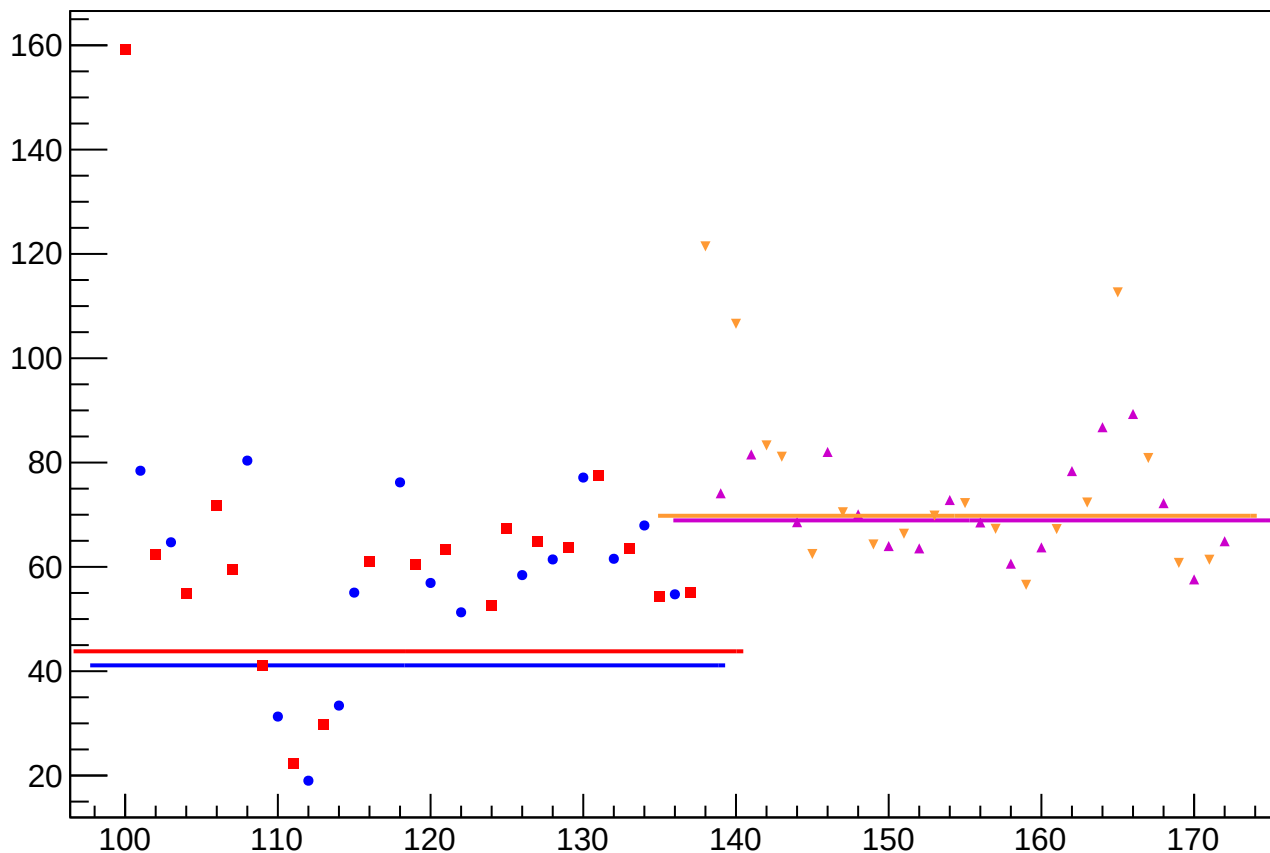
Left In: -0.012 $\pm$ 0.019 χ^2 /NDF: 17.9/16

+ sign 0.022 $\pm$ 0.013 χ^2 /NDF: 43.6/33

All: 0.008 $\pm$ 0.009 χ^2 /NDF: 83.3/69

- sign -0.006 $\pm$ 0.013 χ^2 /NDF: 37.3/35

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.119 $\pm$ 0.013 χ^2/NDF : 2925464.8/15

Left Out: 69.799 $\pm$ 0.014 χ^2/NDF : 884418.1/17

Right Out: 43.813 $\pm$ 0.013 χ^2/NDF : 2048627.9/18

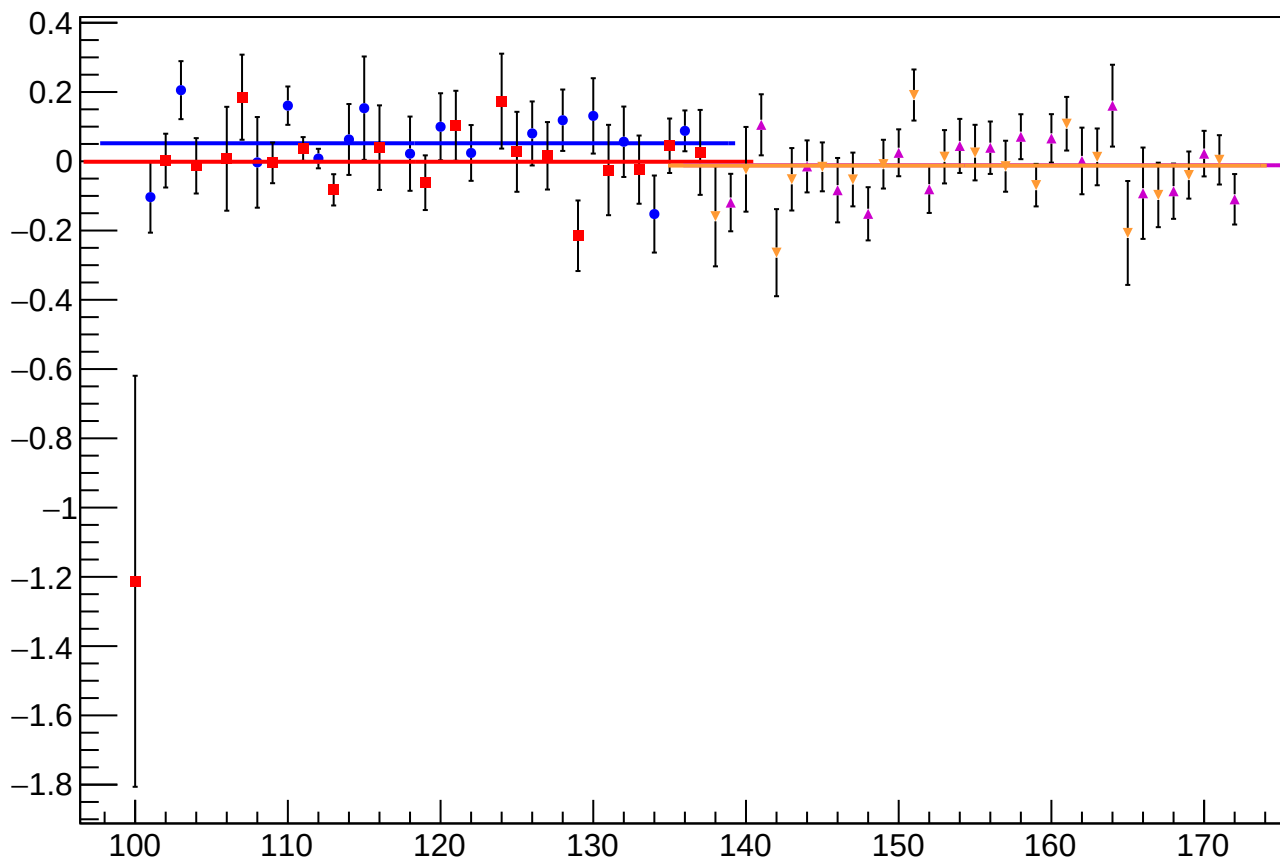
Left In: 68.913 $\pm$ 0.013 χ^2/NDF : 342150.7/16

+ sign 54.359 $\pm$ 0.009 χ^2/NDF : 6214332.2/33

All: 54.985 $\pm$ 0.007 χ^2/NDF : 10457611.8/69

- sign 55.613 $\pm$ 0.009 χ^2/NDF : 4234029.0/35

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052 $\pm$ 0.018 χ^2/NDF : 18.0/15

Left Out: -0.012 $\pm$ 0.019 χ^2/NDF : 19.6/17

Right Out: -0.001 $\pm$ 0.018 χ^2/NDF : 19.2/18

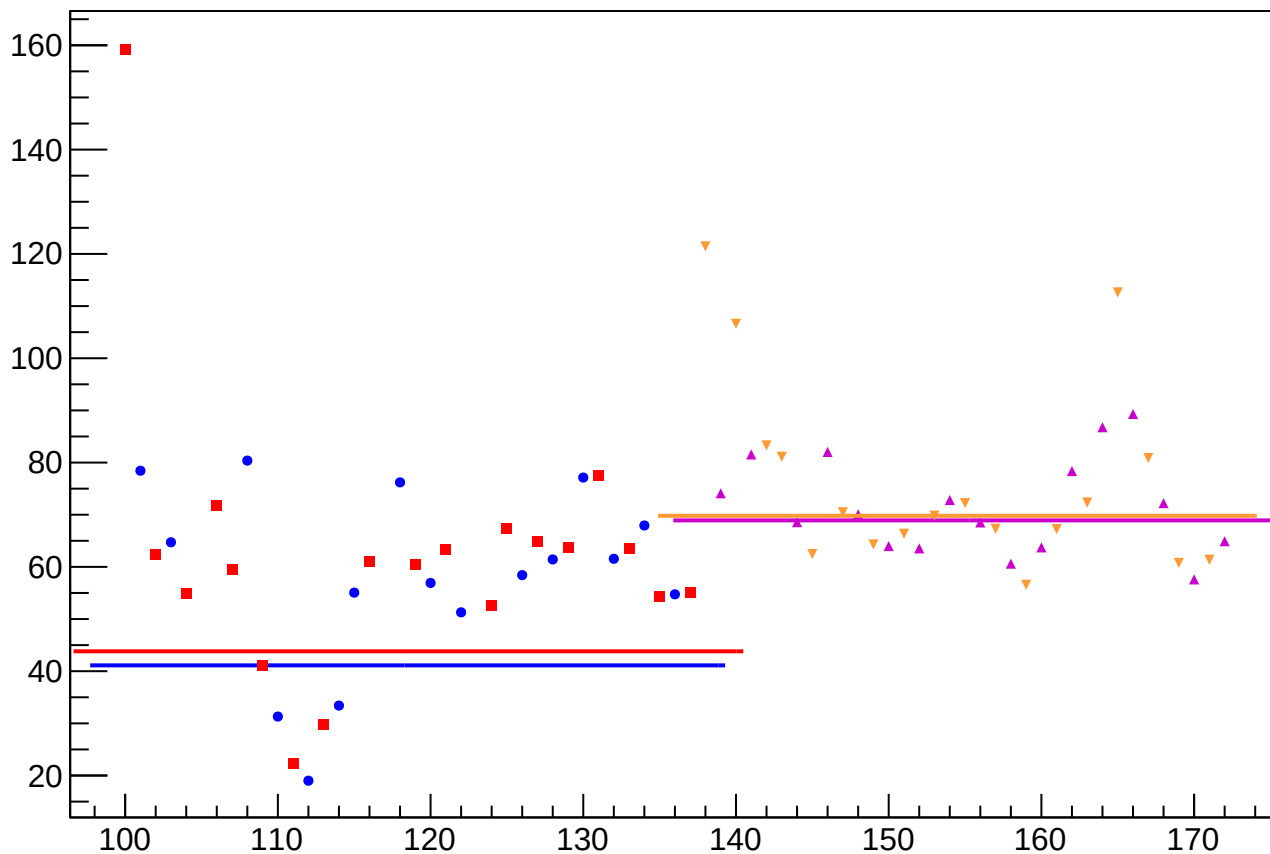
Left In: -0.012 $\pm$ 0.019 χ^2/NDF : 17.9/16

+ sign 0.022 $\pm$ 0.013 χ^2/NDF : 43.6/33

All: 0.008 $\pm$ 0.009 χ^2/NDF : 83.3/69

- sign -0.006 $\pm$ 0.013 χ^2/NDF : 37.3/35

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.119 ± 0.013 $\chi^2/\text{NDF}: 2925464.8/15$

Left Out: 69.799 ± 0.014 $\chi^2/\text{NDF}: 884418.1/17$

Right Out: 43.813 ± 0.013 $\chi^2/\text{NDF}: 2048627.9/18$

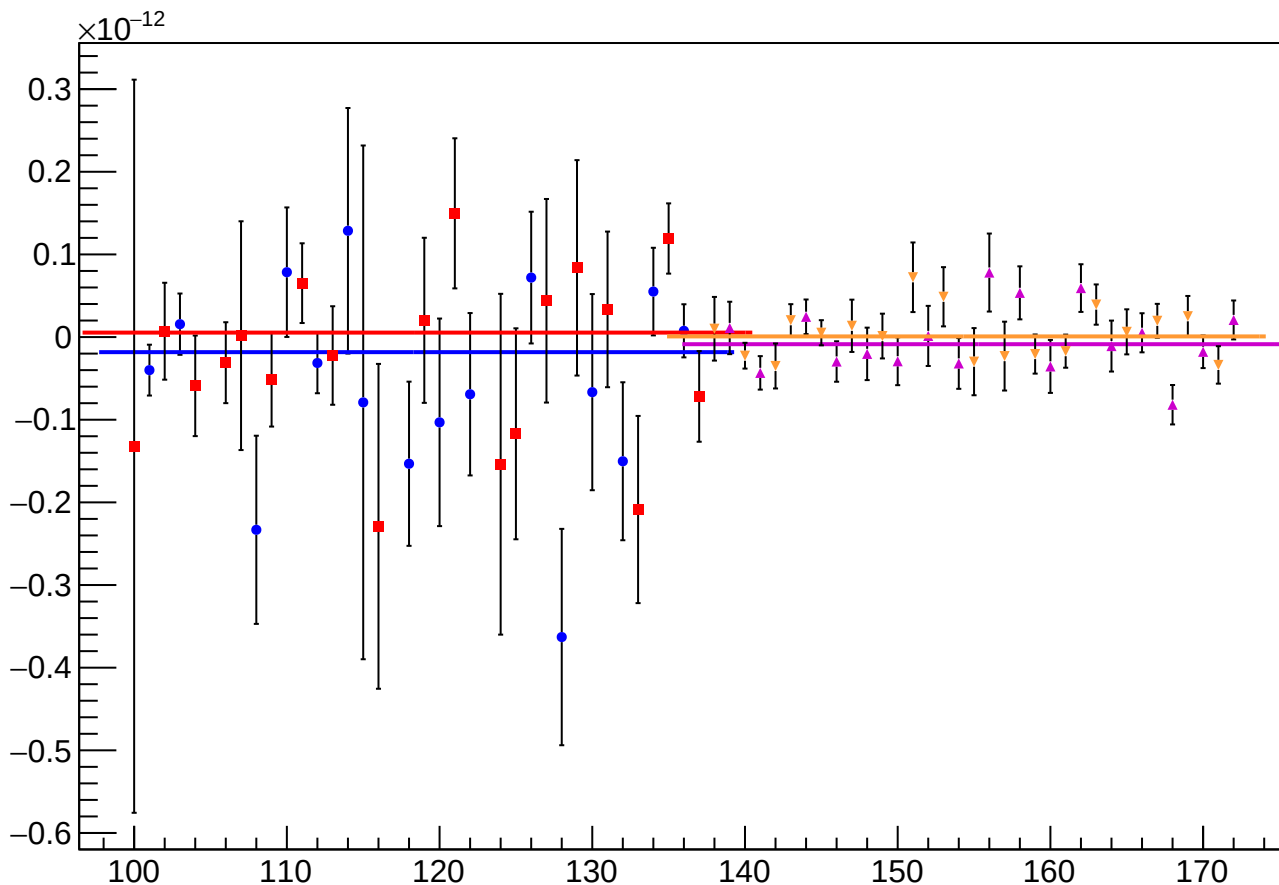
Left In: 68.913 ± 0.013 $\chi^2/\text{NDF}: 342150.7/16$

+ sign 54.359 ± 0.009 $\chi^2/\text{NDF}: 6214332.2/33$

All: 54.985 ± 0.007 $\chi^2/\text{NDF}: 10457611.8/69$

- sign 55.613 ± 0.009 $\chi^2/\text{NDF}: 4234029.0/35$

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

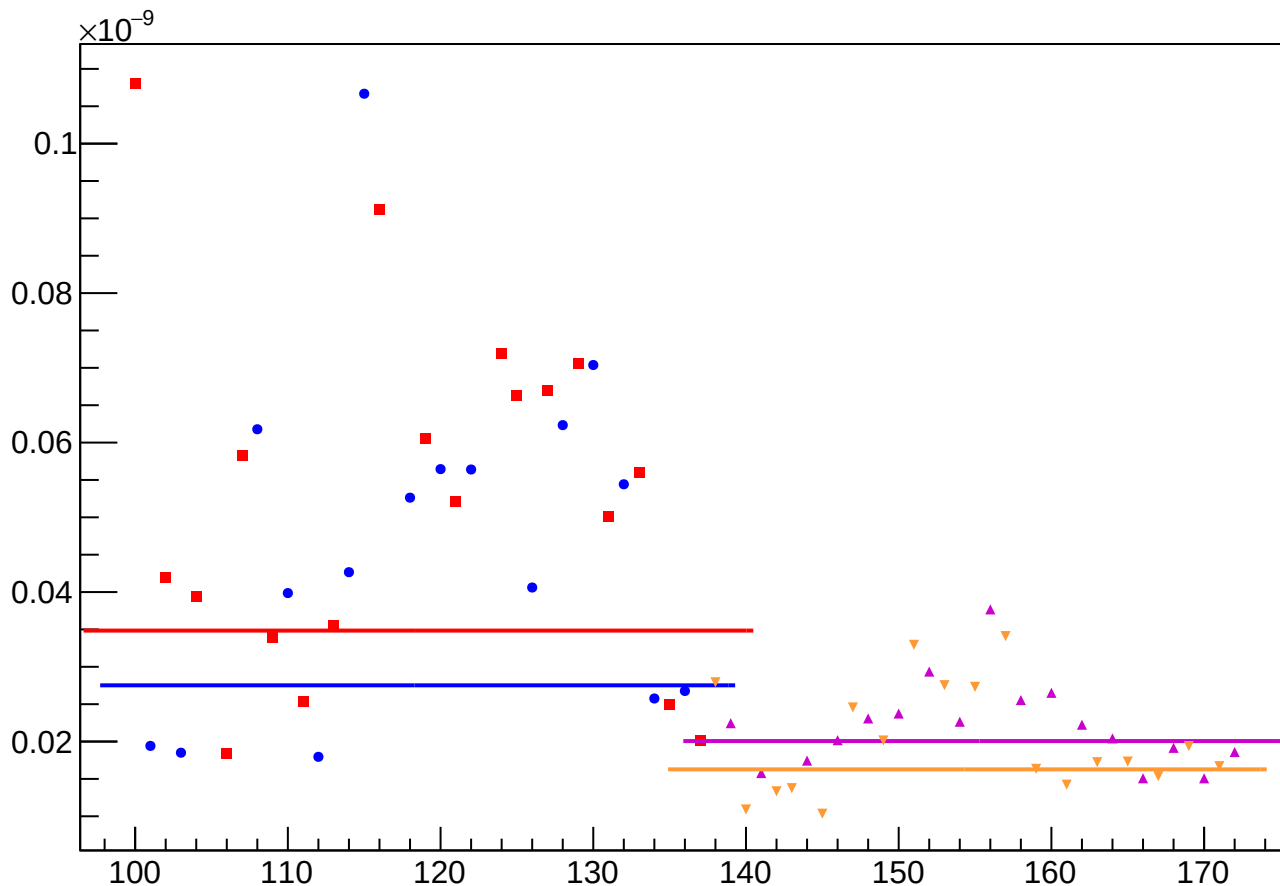
Left In: -0.000 ± 0.000 χ^2/NDF : 32.8/16

+ sign -0.000 ± 0.000 χ^2/NDF : 43.7/33

All: -0.000 ± 0.000 χ^2/NDF : 100.7/69

- sign -0.000 ± 0.000 χ^2/NDF : 56.7/35

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

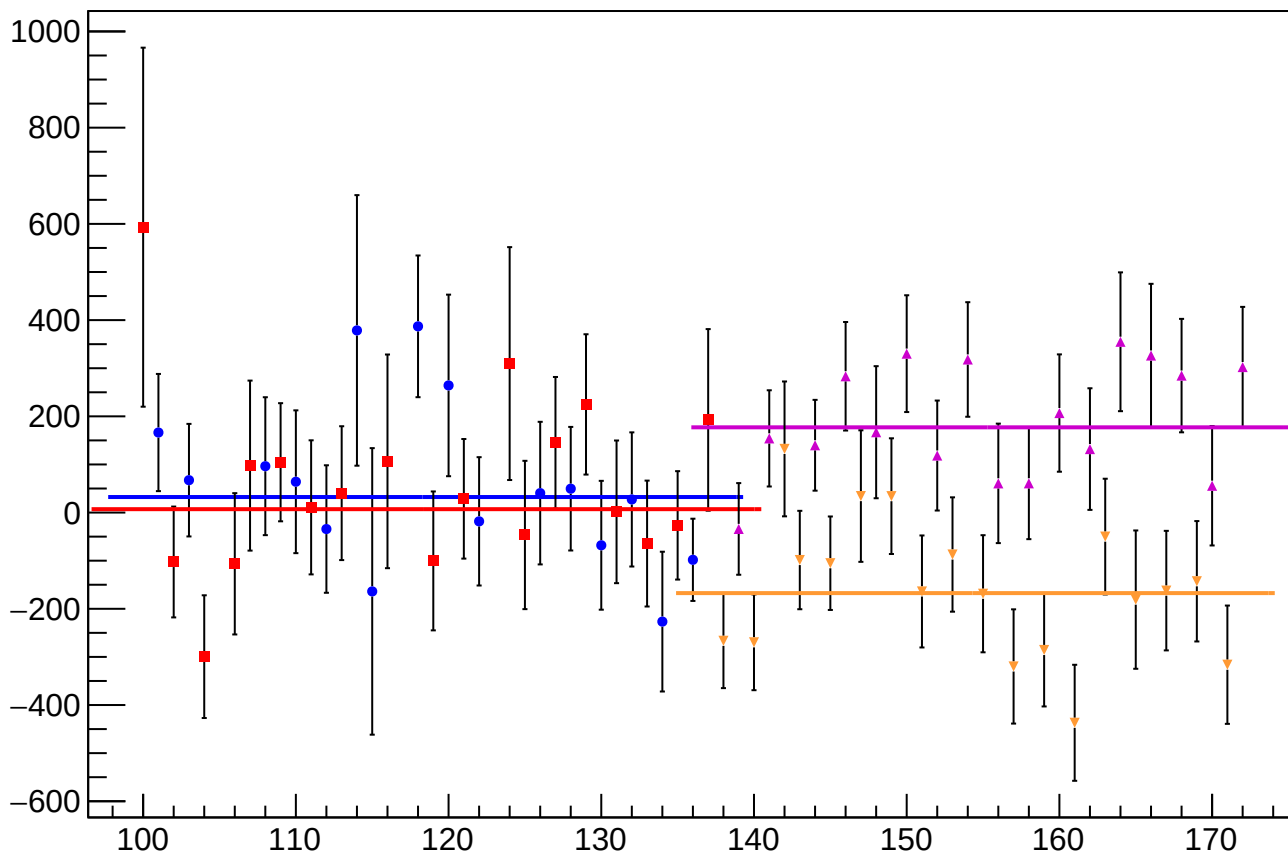
Left In: 0.000+/-0.000 χ^2/NDF : 984267.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4901958.7/33

All: 0.000+/-0.000 χ^2/NDF : 9481530.9/69

- sign 0.000+/-0.000 χ^2/NDF : 4025132.2/35

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

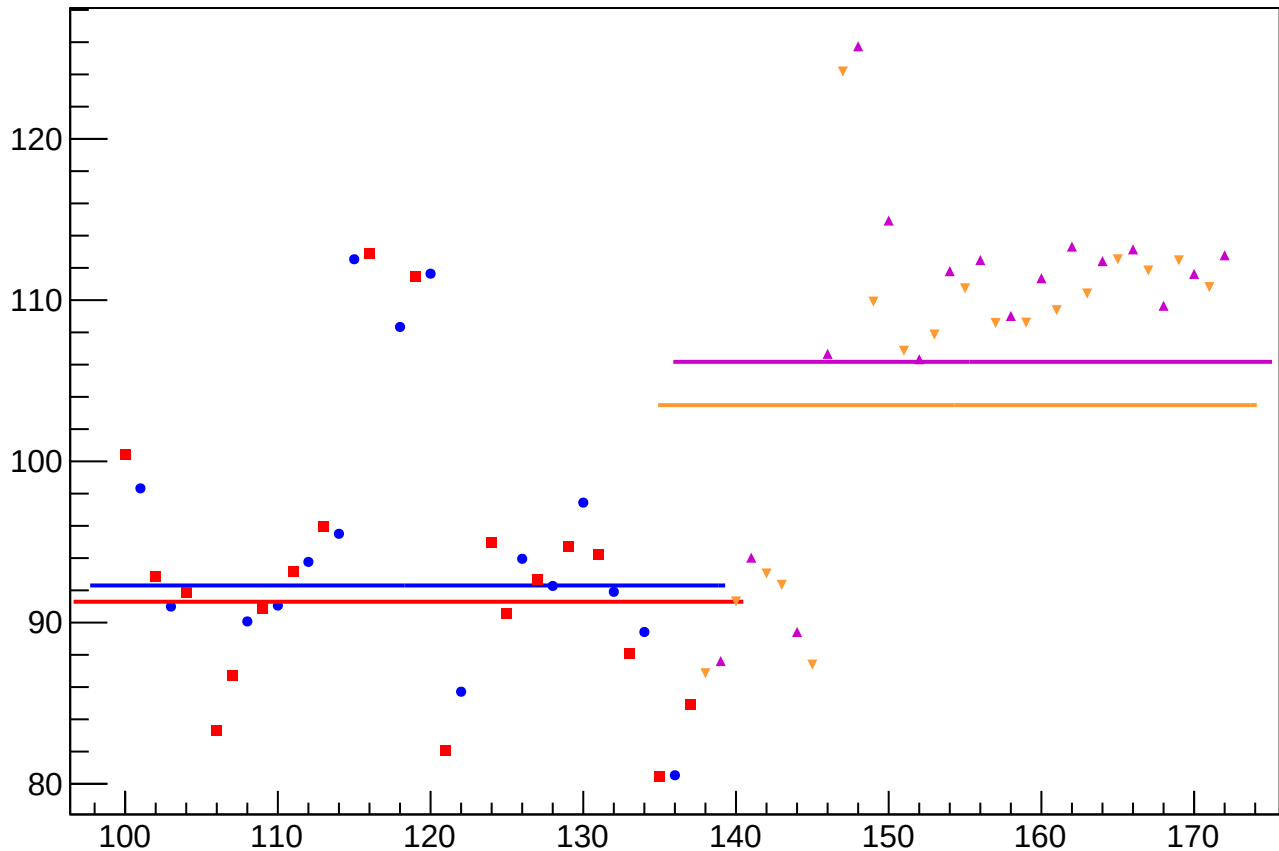
Left In: 177.165 ± 28.490 χ^2/NDF : 16.7/16

+ sign -89.399 ± 21.516 χ^2/NDF : 60.9/33

All: 7.346 ± 15.272 χ^2/NDF : 151.1/69

- sign 105.577 ± 21.681 χ^2/NDF : 49.4/35

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 103.489 $\pm$ 0.019 χ^2 /NDF: 293108.3/17

Right Out: 91.294 $\pm$ 0.024 χ^2 /NDF: 105096.6/18

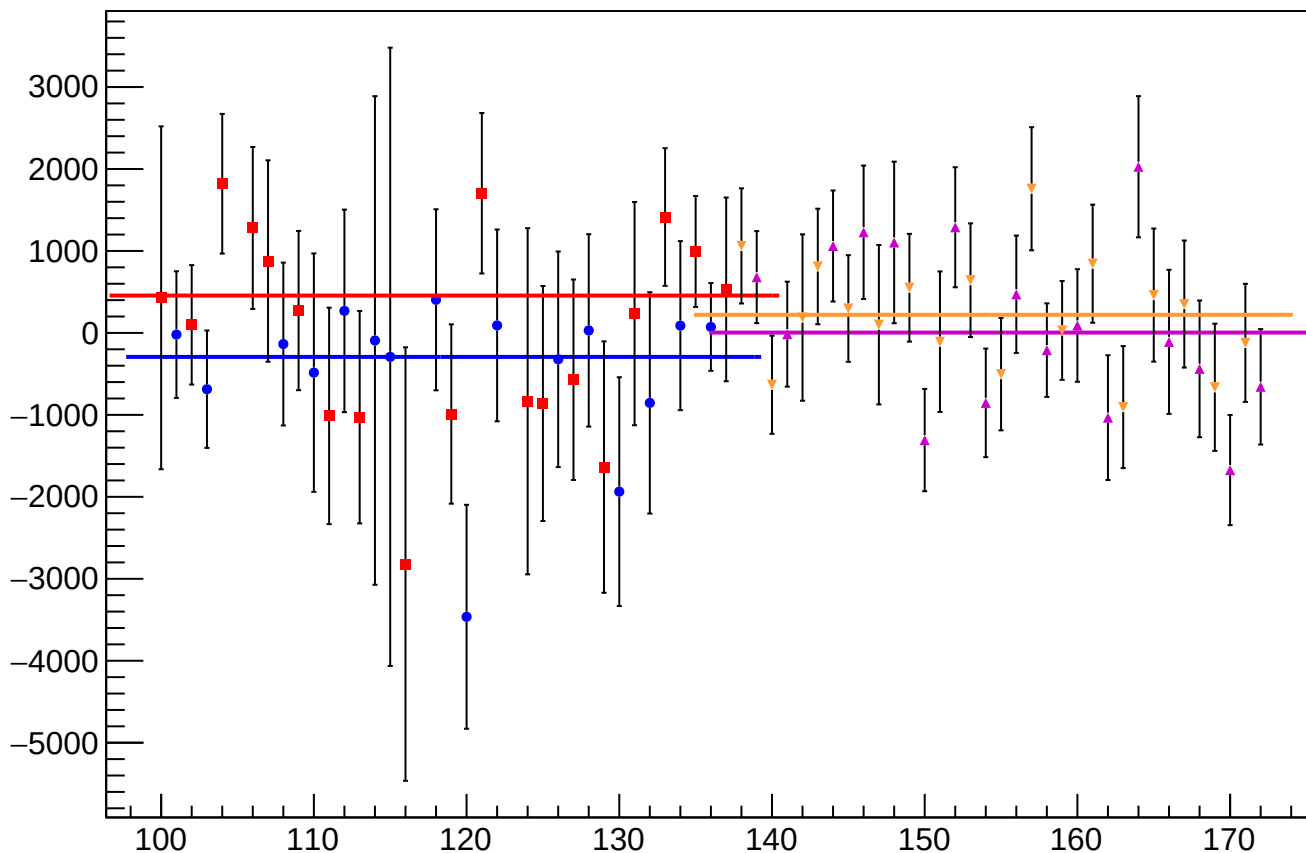
Left In: 106.173 $\pm$ 0.020 χ^2 /NDF: 259768.3/16

+ sign 99.120 $\pm$ 0.015 χ^2 /NDF: 528846.9/33

All: 99.512 $\pm$ 0.011 χ^2 /NDF: 1124644.5/69

- sign 99.911 $\pm$ 0.015 χ^2 /NDF: 594456.7/35

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

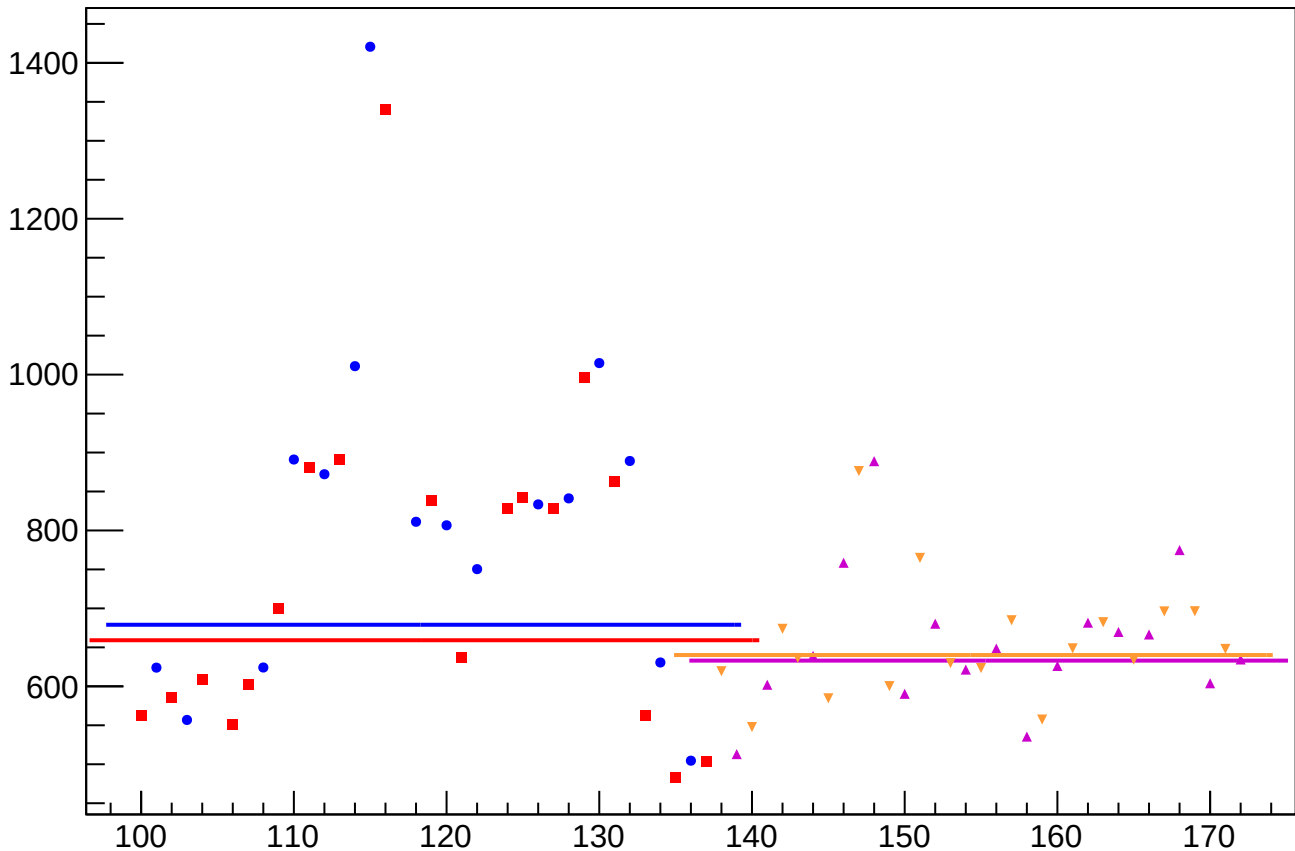
Left In: 4.266 ± 170.959 χ^2/NDF : 31.9/16

+ sign 65.546 ± 142.928 χ^2/NDF : 26.6/33

All: 107.954 ± 100.336 χ^2/NDF : 77.8/69

- sign 149.159 ± 140.886 χ^2/NDF : 51.0/35

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767983.3/15

Left Out: 640.155 $\pm$ 0.121 χ^2 /NDF:308110.7/17

Right Out: 659.133 $\pm$ 0.176 χ^2 /NDF: 795877.7/18

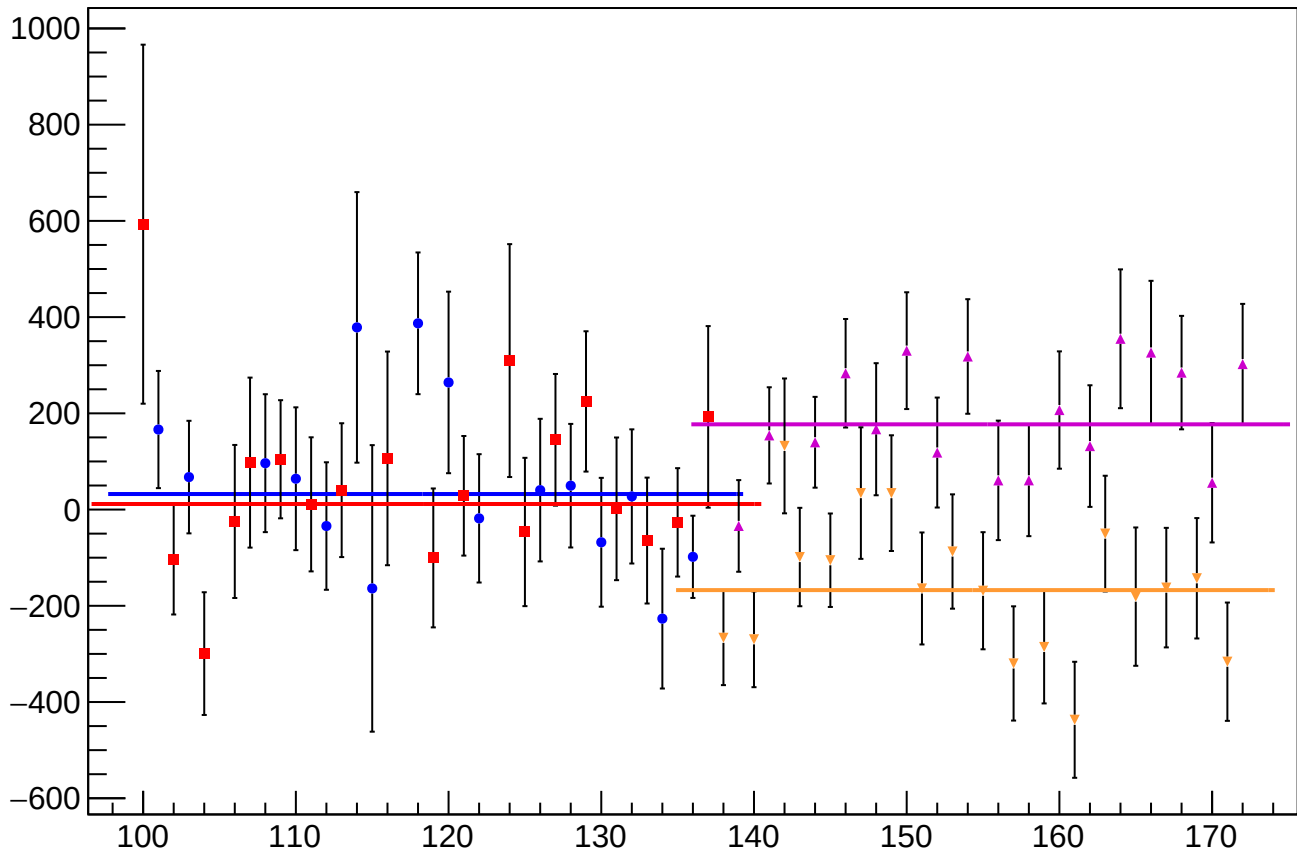
Left In: 632.980 $\pm$ 0.121 χ^2 /NDF:432658.5/16

+ sign 651.923 $\pm$ 0.101 χ^2 /NDF: 1107292.9/33

All: 646.571 $\pm$ 0.071 χ^2 /NDF: 2356375.2/69

- sign 641.372 $\pm$ 0.100 χ^2 /NDF: 1243554.8/35

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

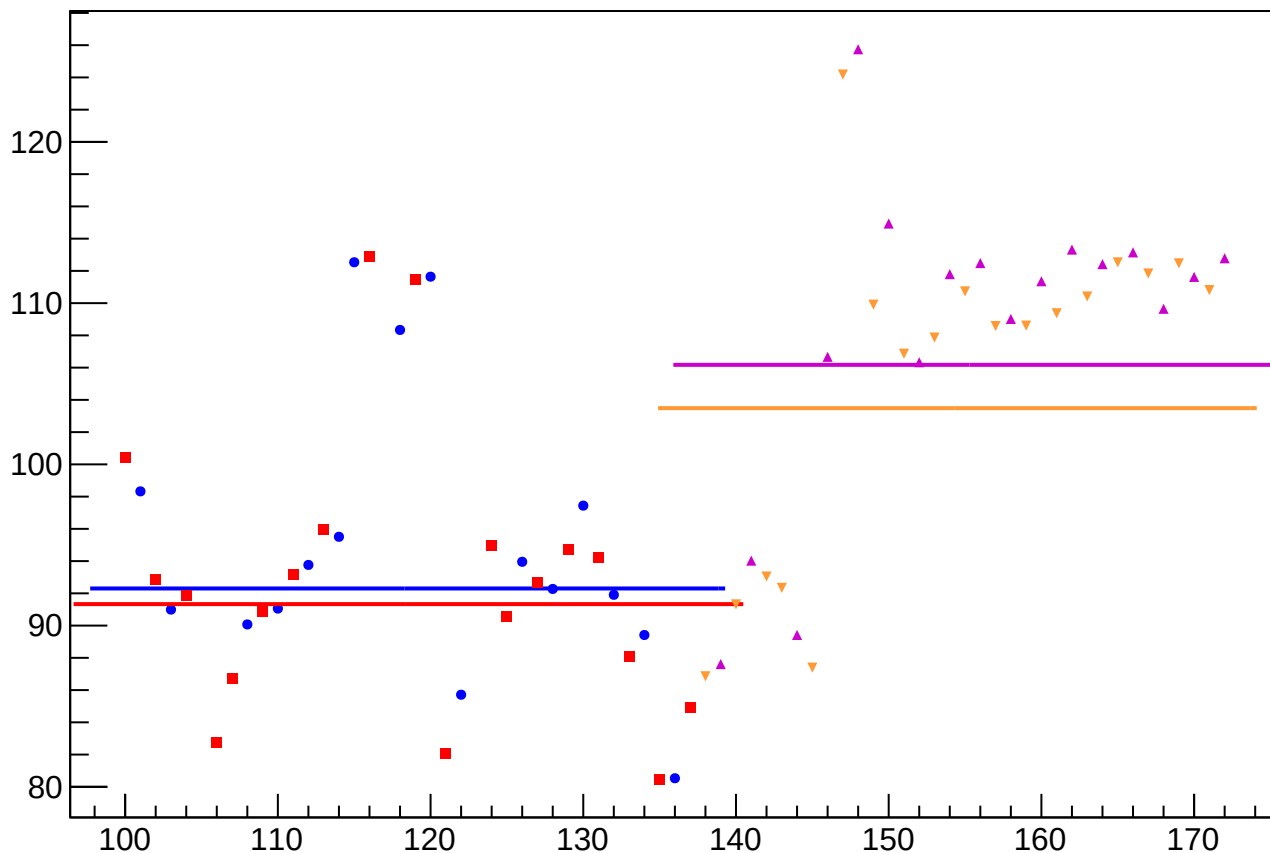
Left In: 177.169+/-28.490 χ^2/NDF : 16.7/16

+ sign -89.391+/-21.516 χ^2/NDF : 60.9/33

All: 8.286+/-15.284 χ^2/NDF : 150.5/69

- sign 107.785+/-21.716 χ^2/NDF : 48.0/35

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 103.489 $\pm$ 0.019 χ^2 /NDF: 293108.3/17

Right Out: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

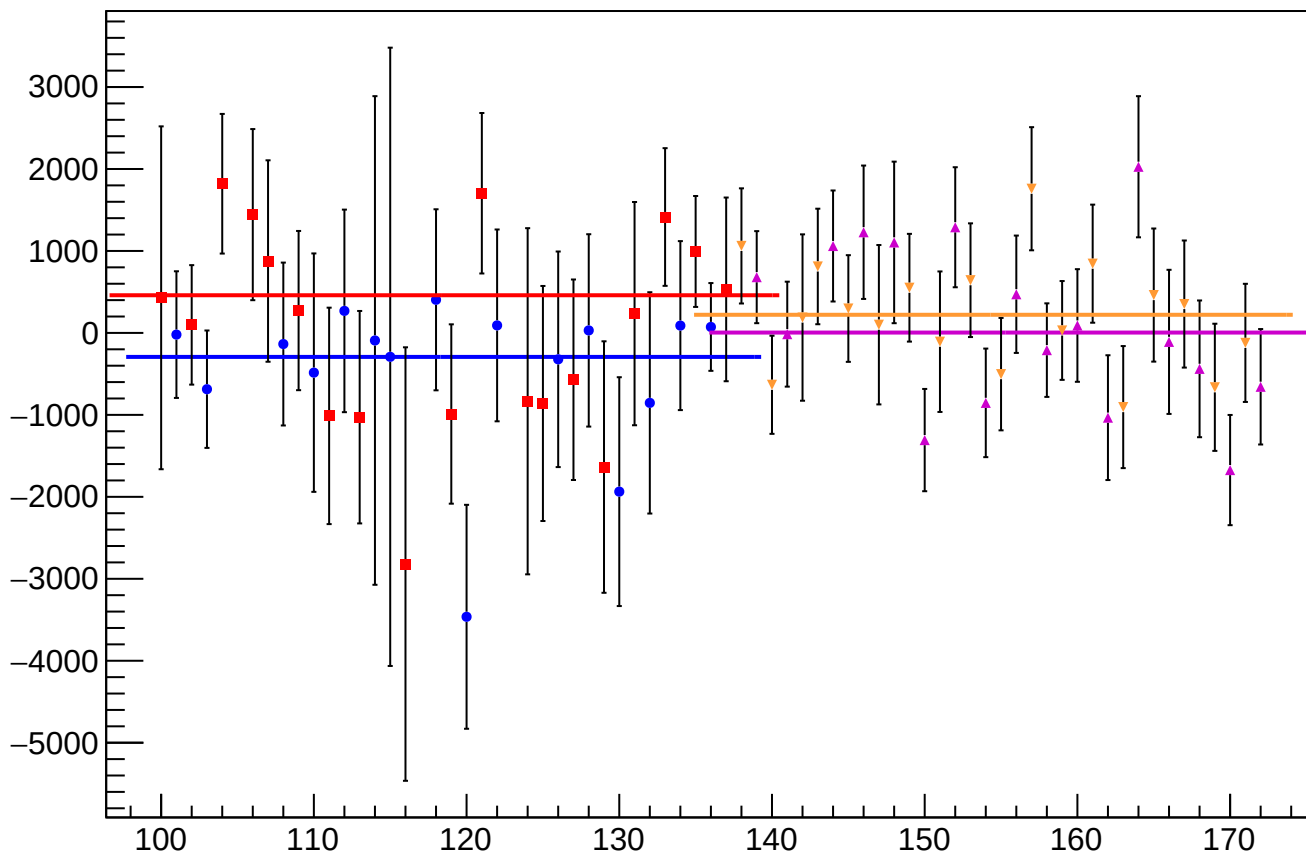
Left In: 106.173 $\pm$ 0.020 χ^2 /NDF: 259768.3/16

+ sign 99.120 $\pm$ 0.015 χ^2 /NDF: 528846.8/33

All: 99.533 $\pm$ 0.011 χ^2 /NDF: 1122419.7/69

- sign 99.955 $\pm$ 0.015 χ^2 /NDF: 592081.3/35

asym_sam_15_dd_cor_correction_mean vs Slug



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

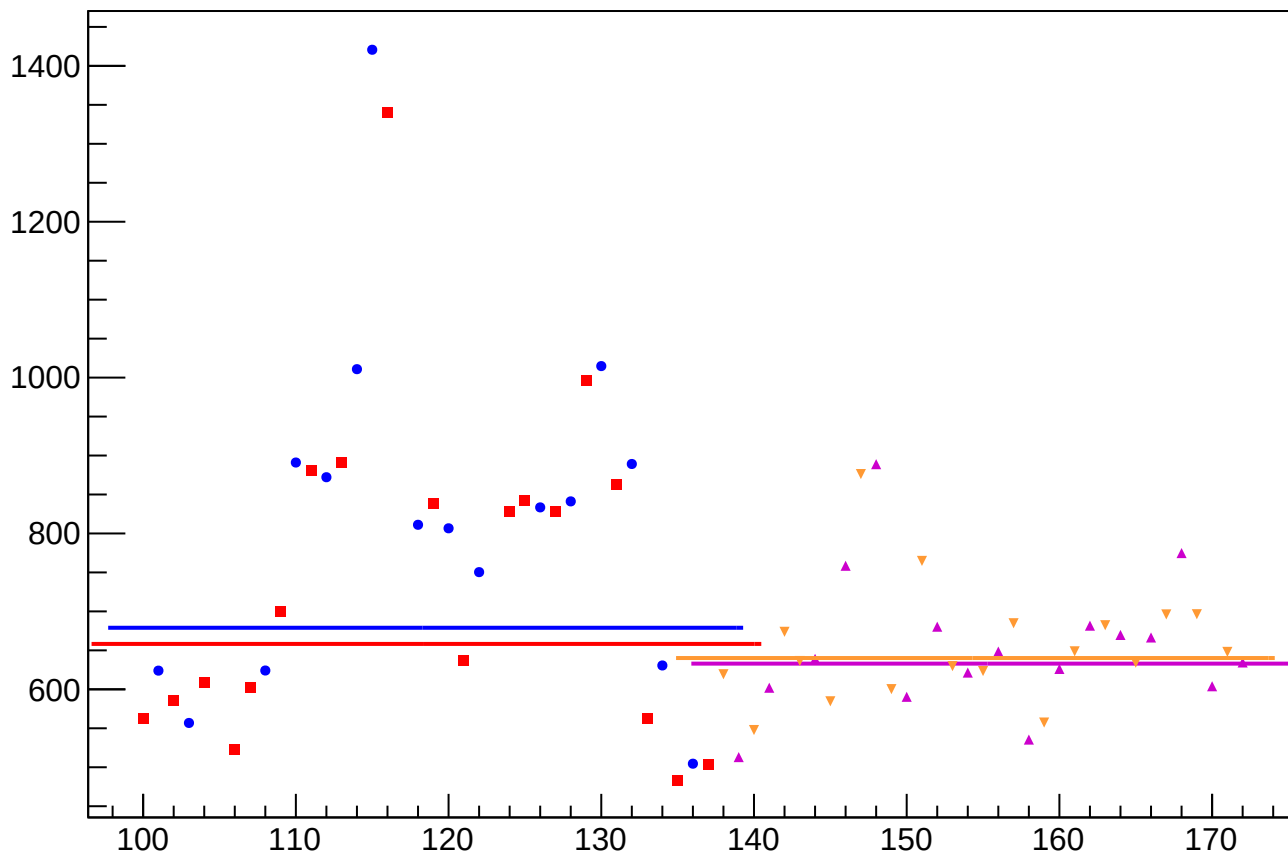
Left In: 4.268 ± 170.959 χ^2/NDF : 31.9/16

+ sign 65.546 ± 142.928 χ^2/NDF : 26.6/33

All: 108.190 ± 100.390 χ^2/NDF : 78.0/69

- sign 149.711 ± 141.036 χ^2/NDF : 51.3/35

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767985.6/15

Left Out: 640.155 $\pm$ 0.121 χ^2 /NDF:308111.8/17

Right Out: 658.262 $\pm$ 0.176 χ^2 /NDF: 805898.2/18

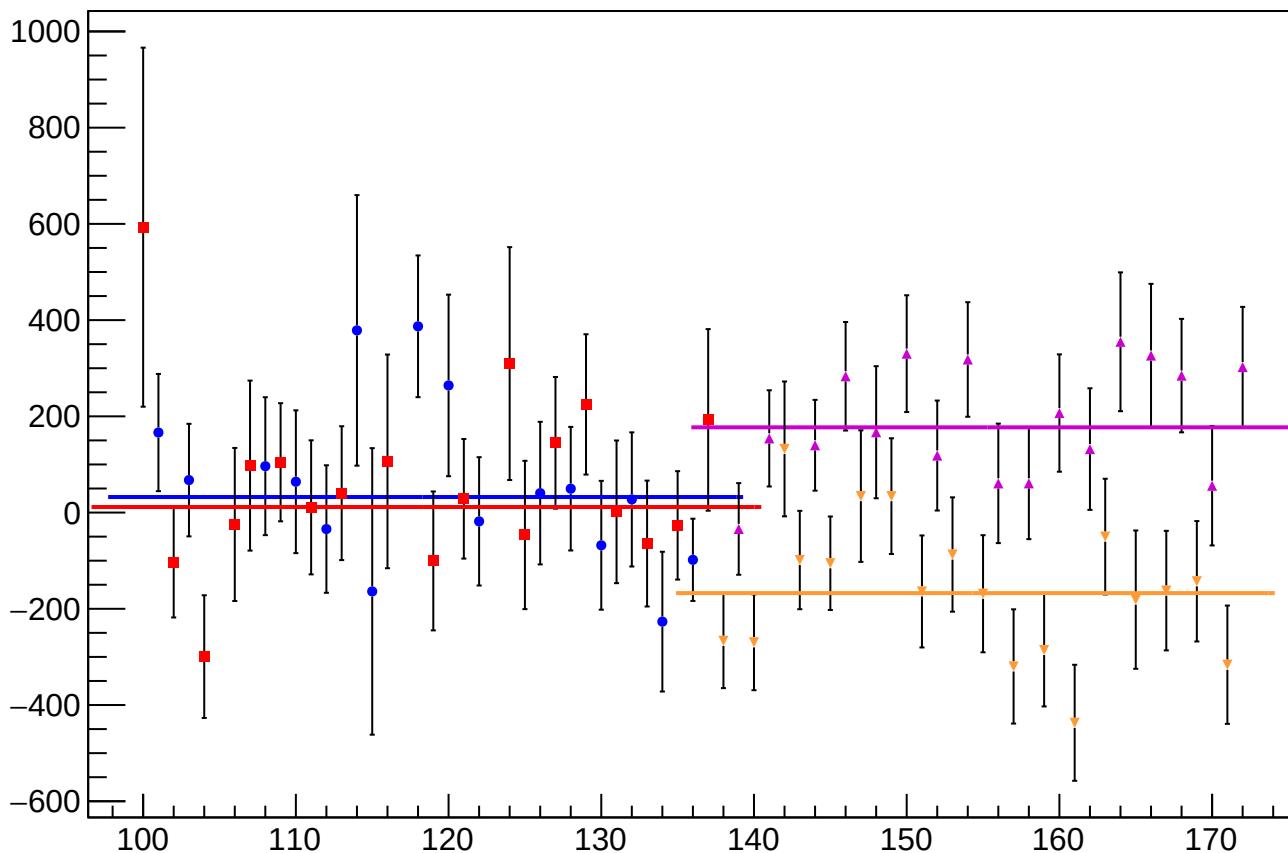
Left In: 632.980 $\pm$ 0.121 χ^2 /NDF:432659.8/16

+ sign 651.923 $\pm$ 0.101 χ^2 /NDF: 1107295.1/33

All: 646.417 $\pm$ 0.071 χ^2 /NDF: 2365681.6/69

- sign 641.056 $\pm$ 0.100 χ^2 /NDF: 1252528.9/35

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

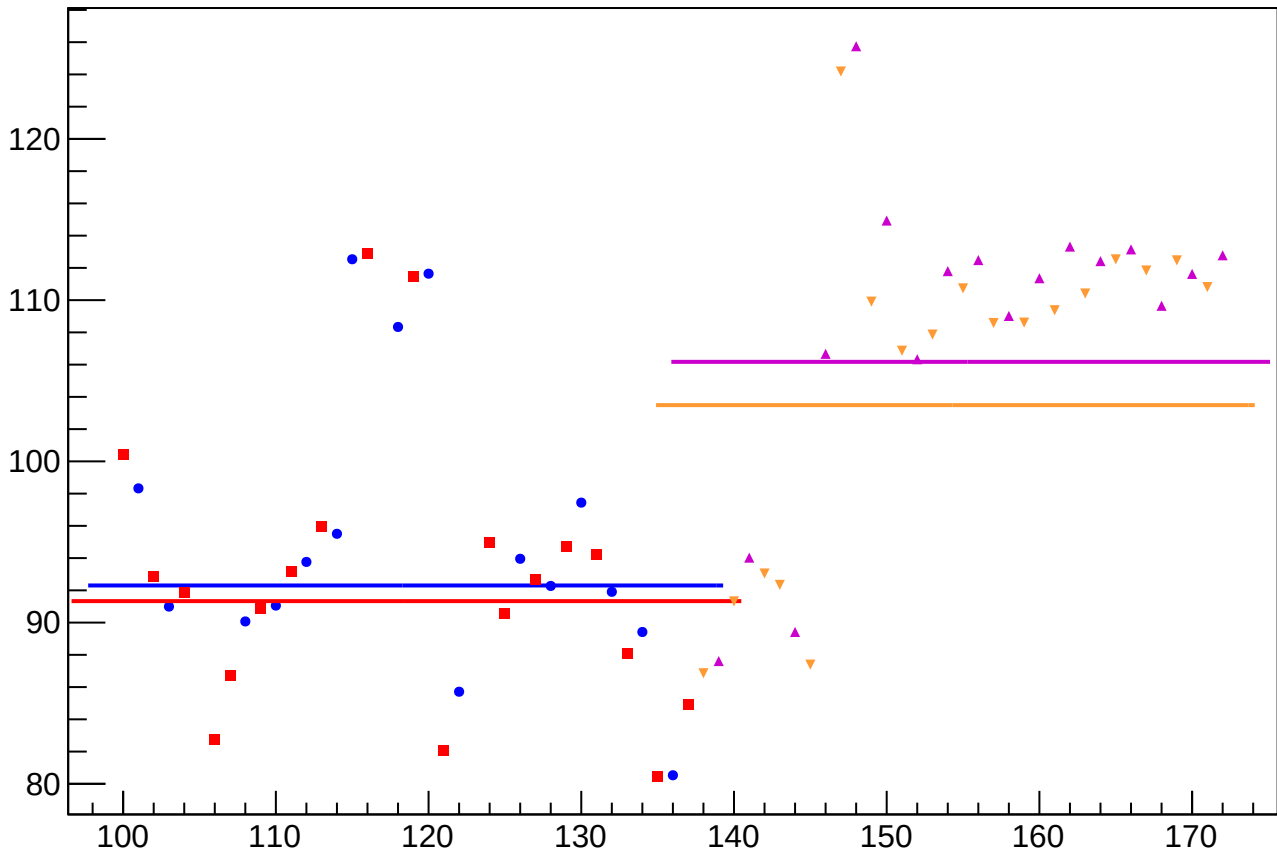
Left In: 177.169+/-28.490 χ^2/NDF : 16.7/16

+ sign -89.391+/-21.516 χ^2/NDF : 60.9/33

All: 8.286+/-15.284 χ^2/NDF : 150.5/69

- sign 107.785+/-21.716 χ^2/NDF : 48.0/35

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.302 $\pm$ 0.024 χ^2 /NDF: 107066.1/15

Left Out: 103.489 $\pm$ 0.019 χ^2 /NDF: 293108.3/17

Right Out: 91.332 $\pm$ 0.024 χ^2 /NDF: 104918.3/18

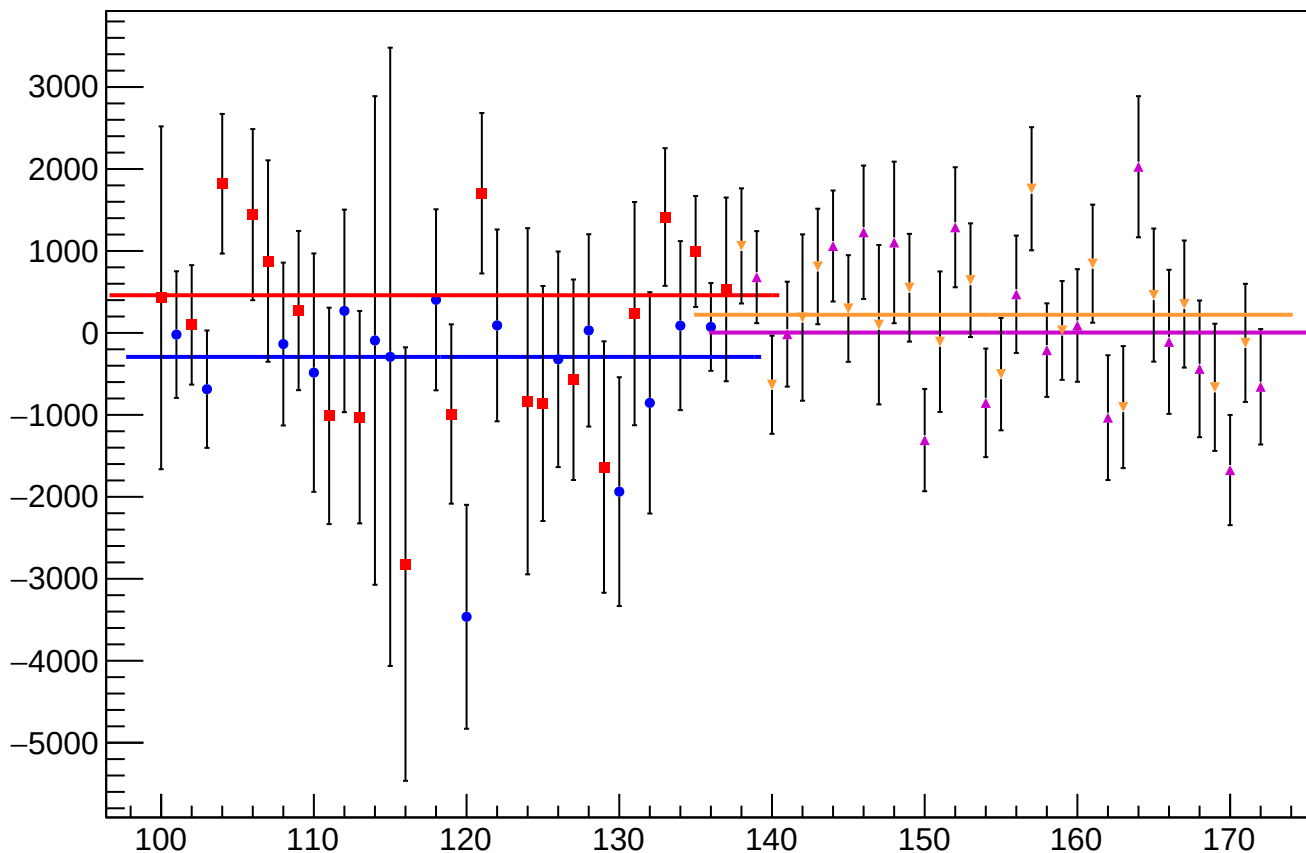
Left In: 106.173 $\pm$ 0.020 χ^2 /NDF: 259768.3/16

+ sign 99.120 $\pm$ 0.015 χ^2 /NDF: 528846.8/33

All: 99.533 $\pm$ 0.011 χ^2 /NDF: 1122419.7/69

- sign 99.955 $\pm$ 0.015 χ^2 /NDF: 592081.3/35

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -292.753 $\pm$ 259.692 χ^2/NDF : 8.8/15

Left Out: 221.243 $\pm$ 171.189 χ^2/NDF :15.1/17

Right Out: 459.595 $\pm$ 249.543 χ^2/NDF : 17.1/18

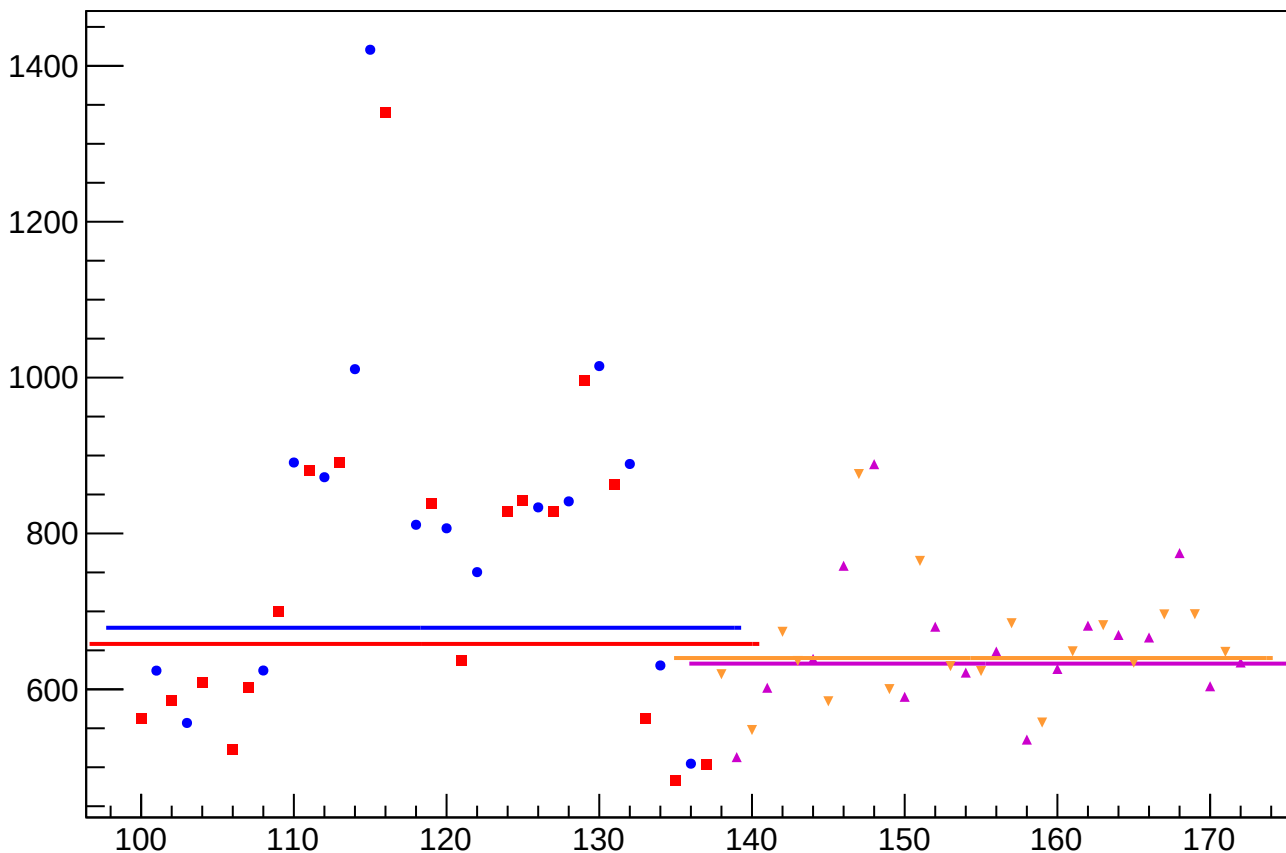
Left In: 4.268 $\pm$ 170.959 χ^2/NDF :31.9/16

+ sign 65.546 $\pm$ 142.928 χ^2/NDF : 26.6/33

All: 108.190 $\pm$ 100.390 χ^2/NDF : 78.0/69

- sign 149.711 $\pm$ 141.036 χ^2/NDF : 51.3/35

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 679.003 $\pm$ 0.184 χ^2 /NDF: 767985.6/15

Left Out: 640.155 $\pm$ 0.121 χ^2 /NDF:308111.8/17

Right Out: 658.262 $\pm$ 0.176 χ^2 /NDF: 805898.2/18

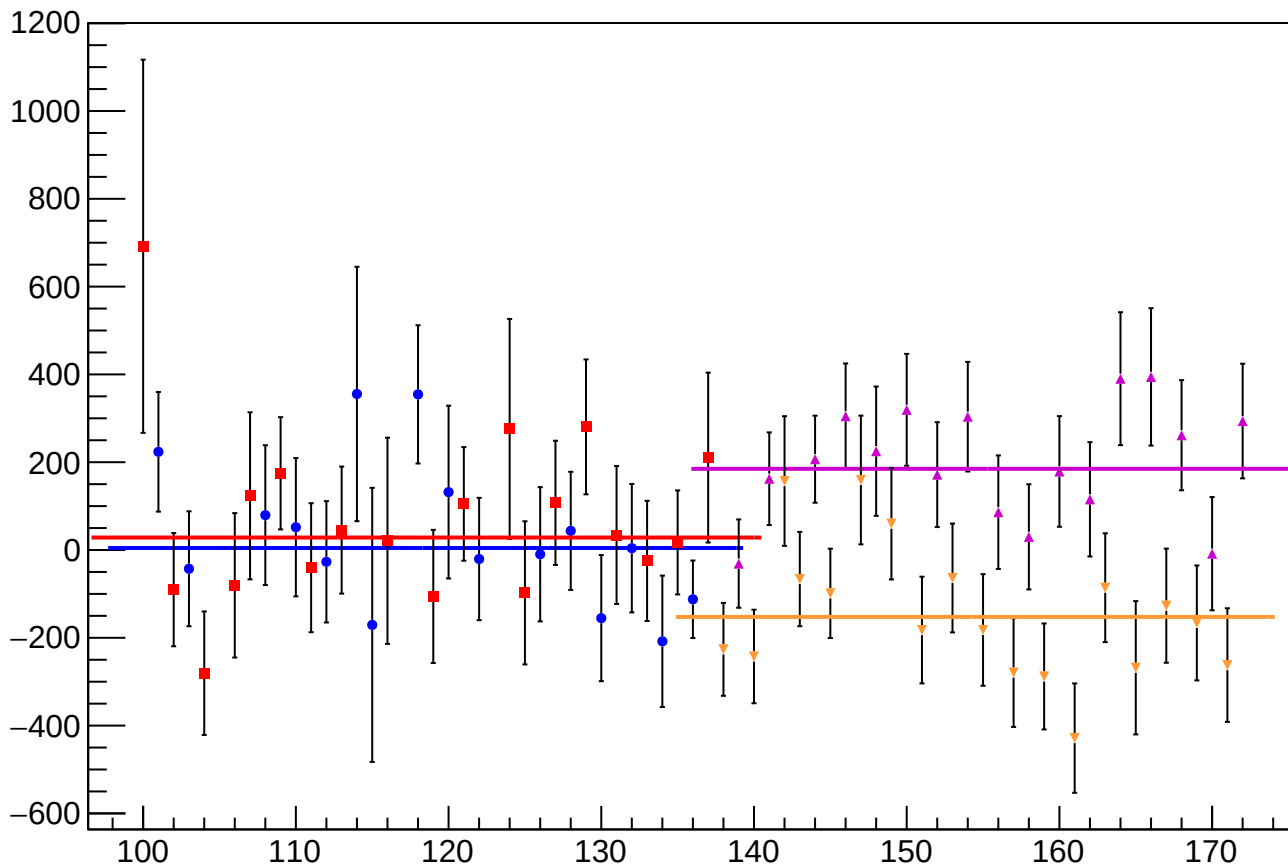
Left In: 632.980 $\pm$ 0.121 χ^2 /NDF:432659.8/16

+ sign 651.923 $\pm$ 0.101 χ^2 /NDF: 1107295.1/33

All: 646.417 $\pm$ 0.071 χ^2 /NDF: 2365681.6/69

- sign 641.056 $\pm$ 0.100 χ^2 /NDF: 1252528.9/35

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

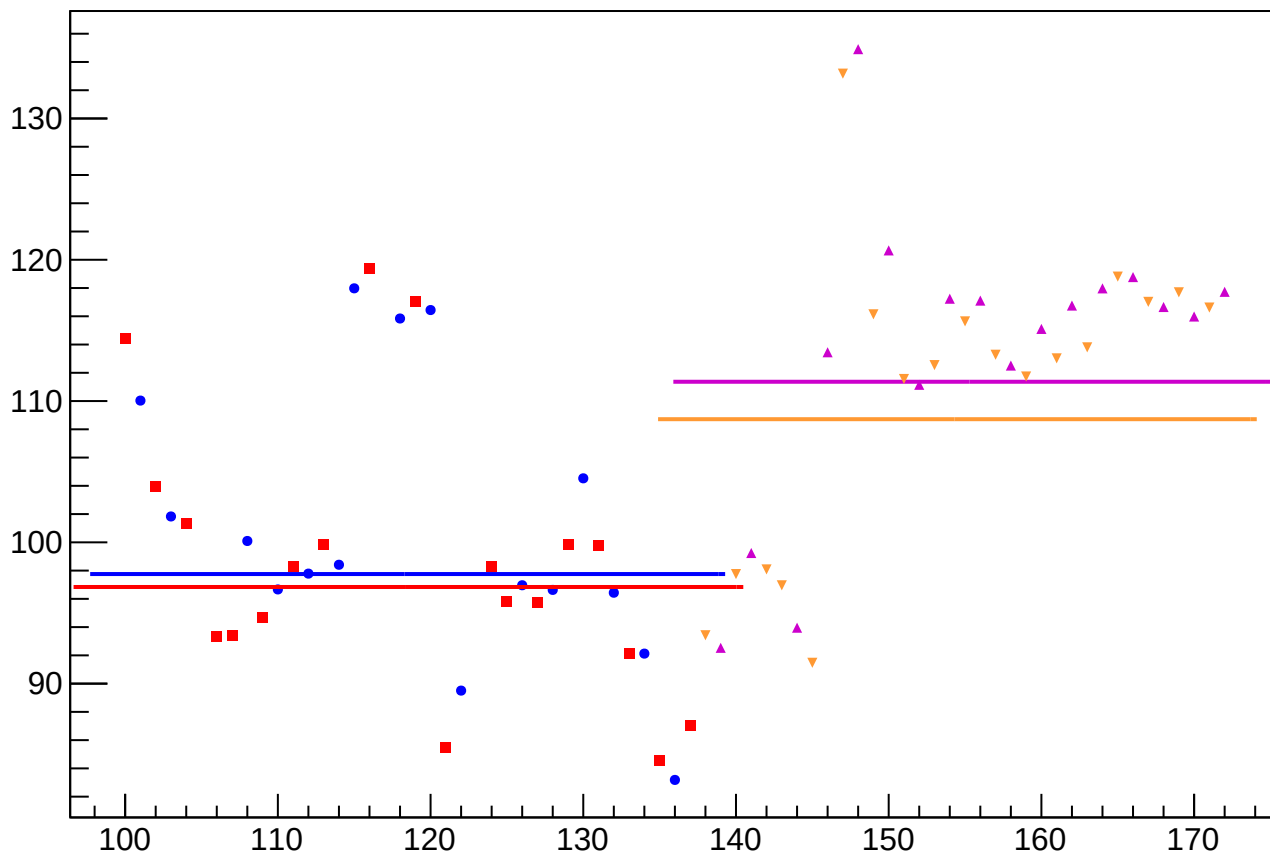
Left In: 184.890 ± 29.884 χ^2/NDF : 17.3/16

+ sign -91.812 ± 22.680 χ^2/NDF : 50.0/33

All: 13.251 ± 16.098 χ^2/NDF : 139.0/69

- sign 119.915 ± 22.853 χ^2/NDF : 45.8/35

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2 /NDF: 140654.4/15

Left Out: 108.716 $\pm$ 0.020 χ^2 /NDF: 269820.9/17

Right Out: 96.840 $\pm$ 0.025 χ^2 /NDF: 115170.9/18

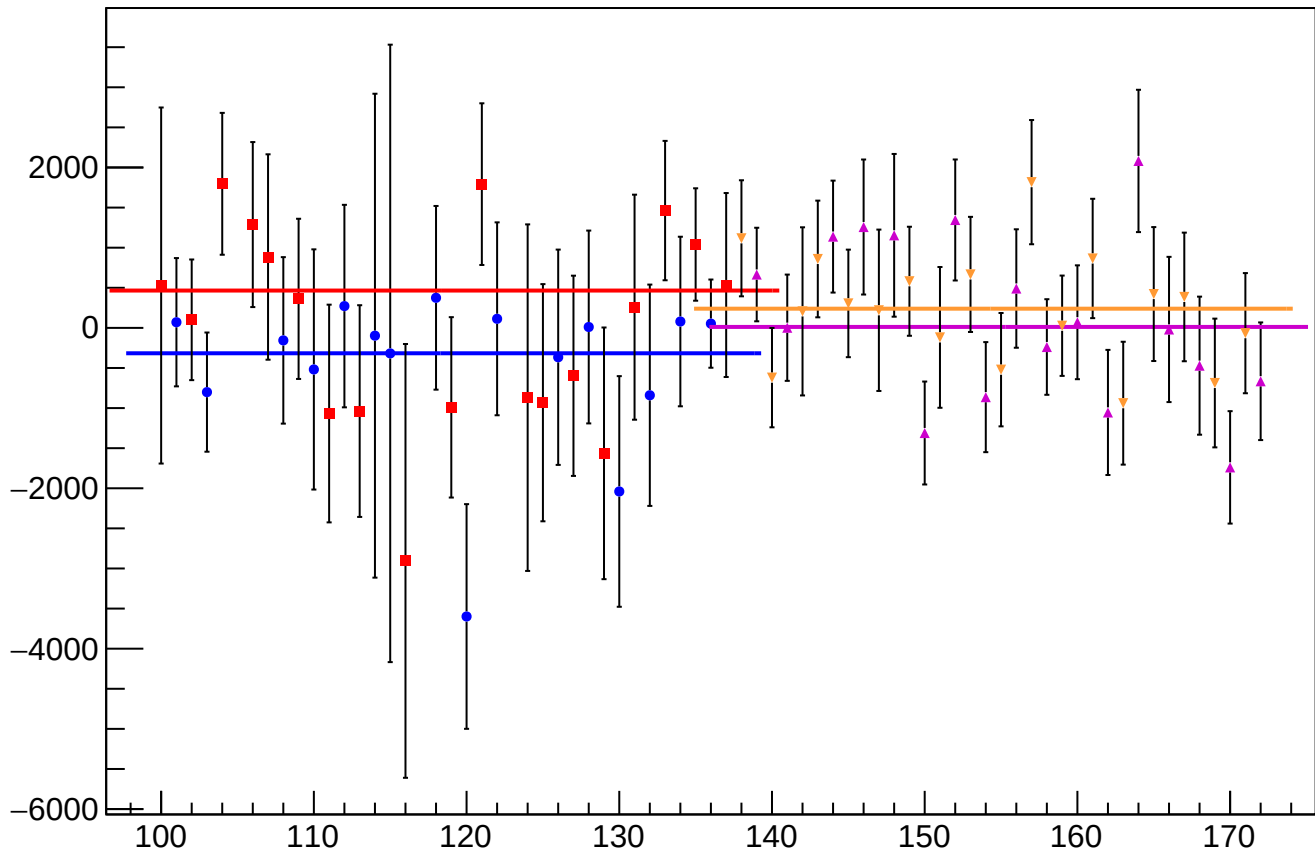
Left In: 111.366 $\pm$ 0.021 χ^2 /NDF: 253412.7/16

+ sign 104.486 $\pm$ 0.016 χ^2 /NDF: 521162.3/33

All: 104.907 $\pm$ 0.011 χ^2 /NDF: 1087351.3/69

- sign 105.334 $\pm$ 0.016 χ^2 /NDF: 564801.7/35

asym_sam_15_dd_dit_correction_mean vs Slug



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

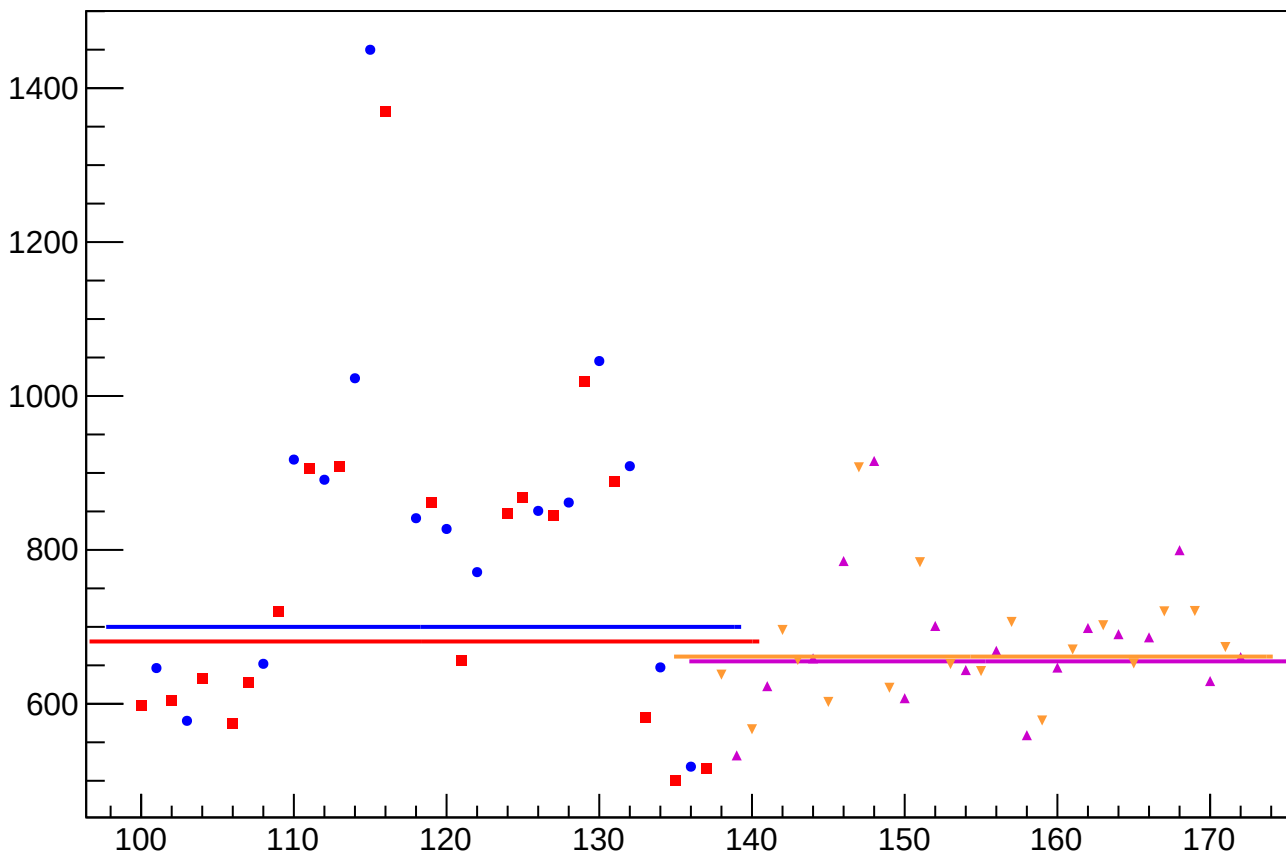
Left In: 11.960+/-176.851 χ^2/NDF : 31.6/16

+ sign 70.405+/-147.500 χ^2/NDF : 27.1/33

All: 114.766+/-103.629 χ^2/NDF : 77.6/69

- sign 158.006+/-145.625 χ^2/NDF : 50.2/35

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 699.973 $\pm$ 0.189 χ^2 /NDF: 753665.4/15

Left Out: 661.386 $\pm$ 0.125 χ^2 /NDF: 304092.6/17

Right Out: 681.016 $\pm$ 0.181 χ^2 /NDF: 769397.2/18

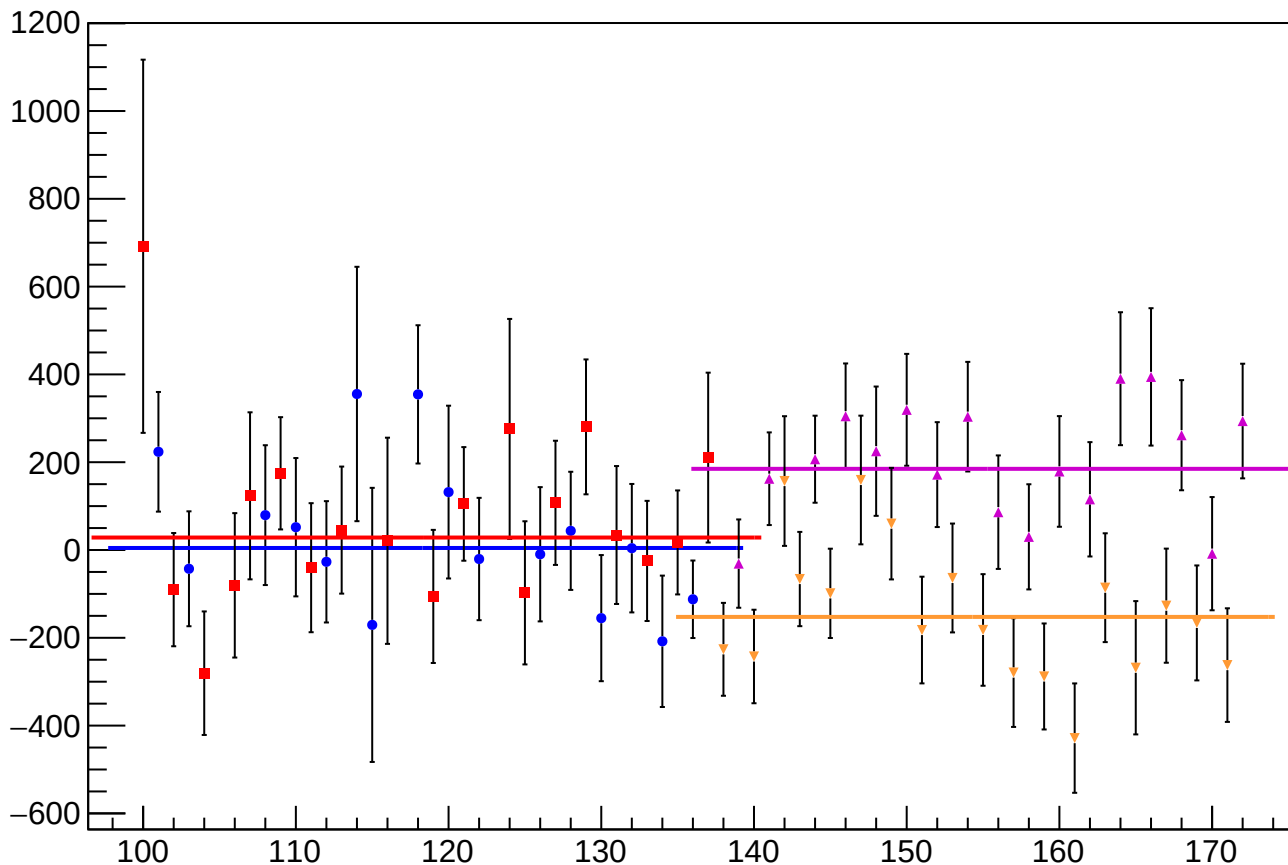
Left In: 655.181 $\pm$ 0.125 χ^2 /NDF: 415014.2/16

+ sign 673.117 $\pm$ 0.104 χ^2 /NDF: 1086718.3/33

All: 668.247 $\pm$ 0.073 χ^2 /NDF: 2289177.7/69

- sign 663.499 $\pm$ 0.103 χ^2 /NDF: 1198153.1/35

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

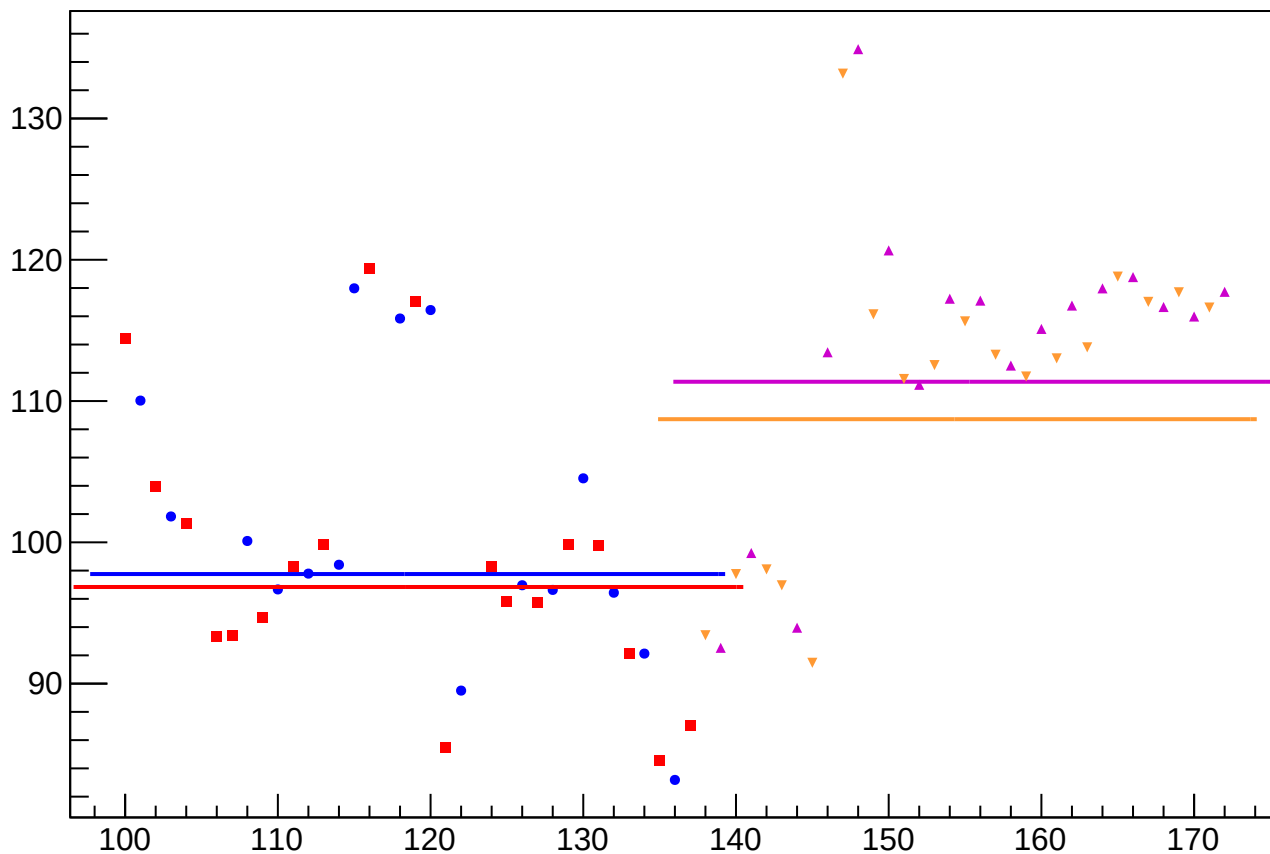
Left In: 184.890 ± 29.884 χ^2/NDF : 17.3/16

+ sign -91.811 ± 22.680 χ^2/NDF : 50.0/33

All: 13.251 ± 16.098 χ^2/NDF : 139.0/69

- sign 119.915 ± 22.853 χ^2/NDF : 45.8/35

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.756 $\pm$ 0.026 χ^2/NDF : 140654.8/15

Left Out: 108.716 $\pm$ 0.020 χ^2/NDF : 269819.7/17

Right Out: 96.839 $\pm$ 0.025 χ^2/NDF : 115173.1/18

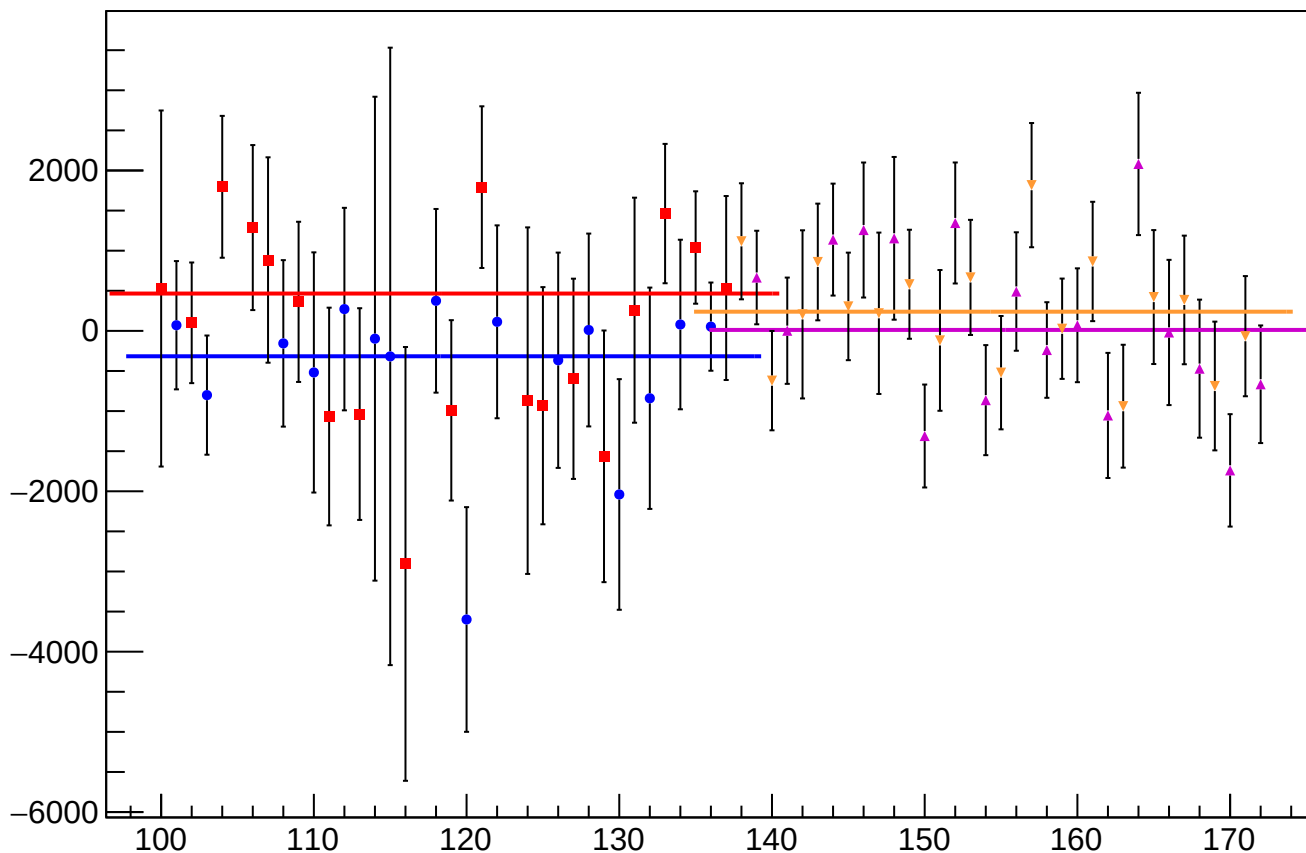
Left In: 111.366 $\pm$ 0.021 χ^2/NDF : 253410.2/16

+ sign 104.486 $\pm$ 0.016 χ^2/NDF : 521168.7/33

All: 104.907 $\pm$ 0.011 χ^2/NDF : 1087369.2/69

- sign 105.334 $\pm$ 0.016 χ^2/NDF : 564813.2/35

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -316.570 $\pm$ 267.515 χ^2/NDF : 9.2/15

Left Out: 239.437 $\pm$ 176.804 χ^2/NDF : 15.0/17

Right Out: 465.576 $\pm$ 256.645 χ^2/NDF : 16.5/18

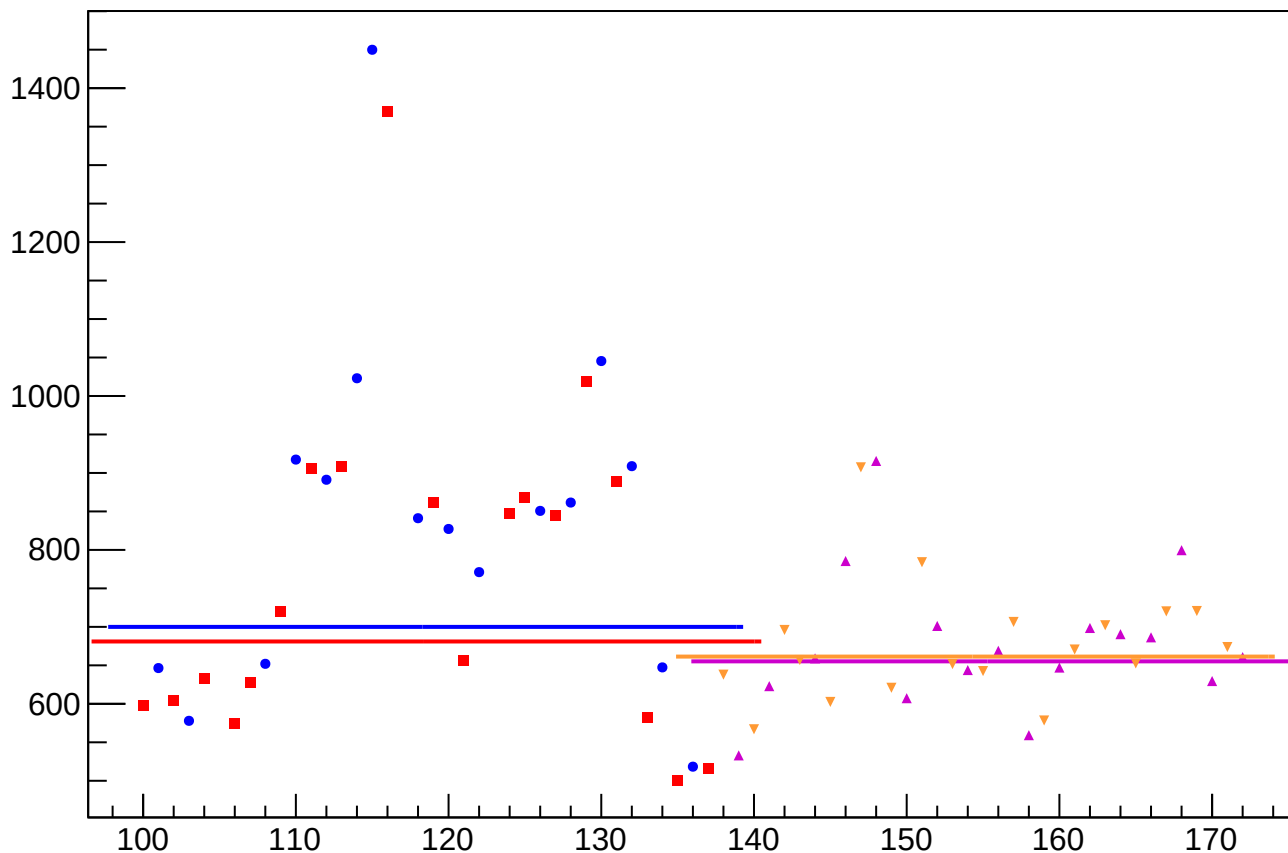
Left In: 11.960 $\pm$ 176.851 χ^2/NDF : 31.6/16

+ sign 70.404 $\pm$ 147.500 χ^2/NDF : 27.1/33

All: 114.766 $\pm$ 103.629 χ^2/NDF : 77.6/69

- sign 158.007 $\pm$ 145.625 χ^2/NDF : 50.2/35

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 699.971 $\pm$ 0.189 χ^2 /NDF: 753668.1/15

Left Out: 661.387 $\pm$ 0.125 χ^2 /NDF: 304092.7/17

Right Out: 681.015 $\pm$ 0.181 χ^2 /NDF: 769400.5/18

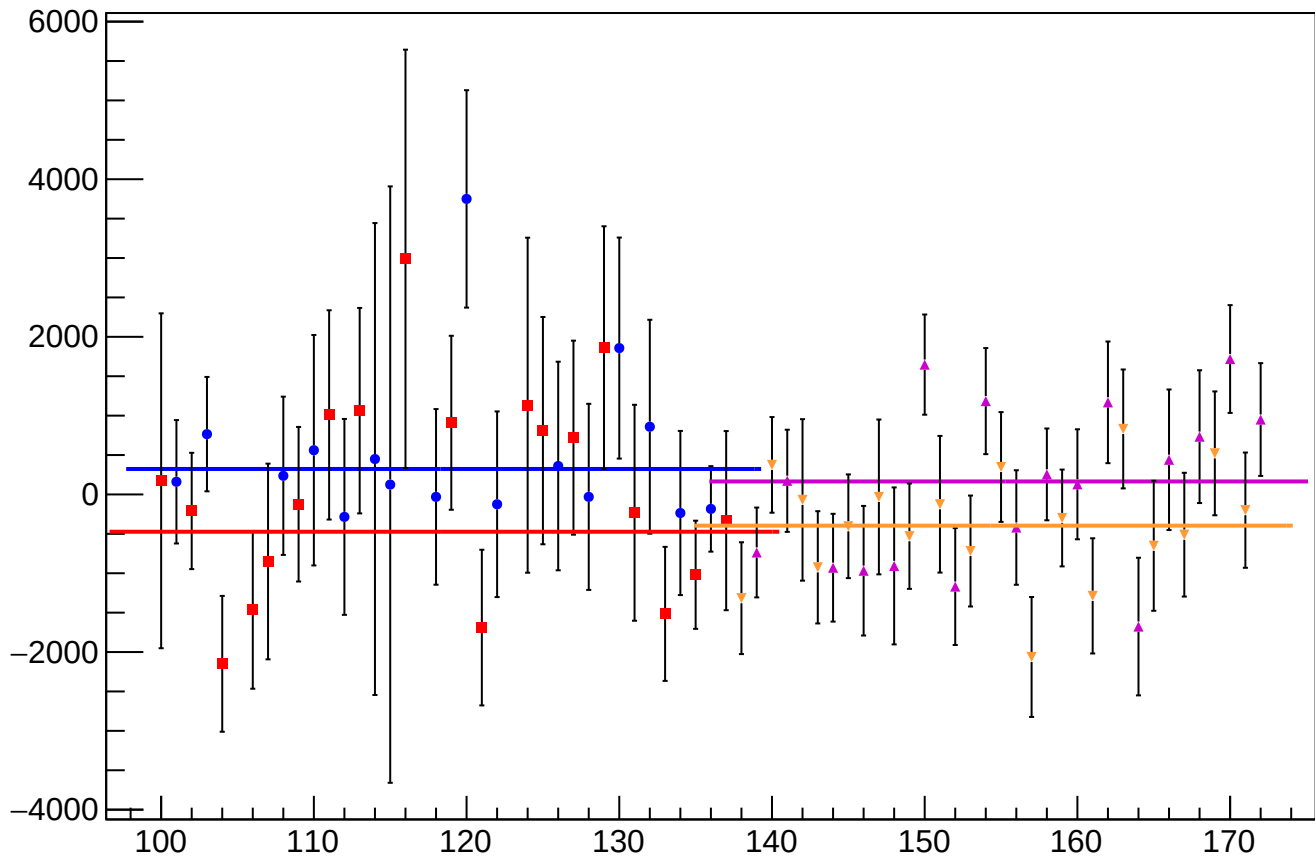
Left In: 655.182 $\pm$ 0.125 χ^2 /NDF: 415014.6/16

+ sign 673.117 $\pm$ 0.104 χ^2 /NDF: 1086717.9/33

All: 668.247 $\pm$ 0.073 χ^2 /NDF: 2289178.7/69

- sign 663.499 $\pm$ 0.103 χ^2 /NDF: 1198154.4/35

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

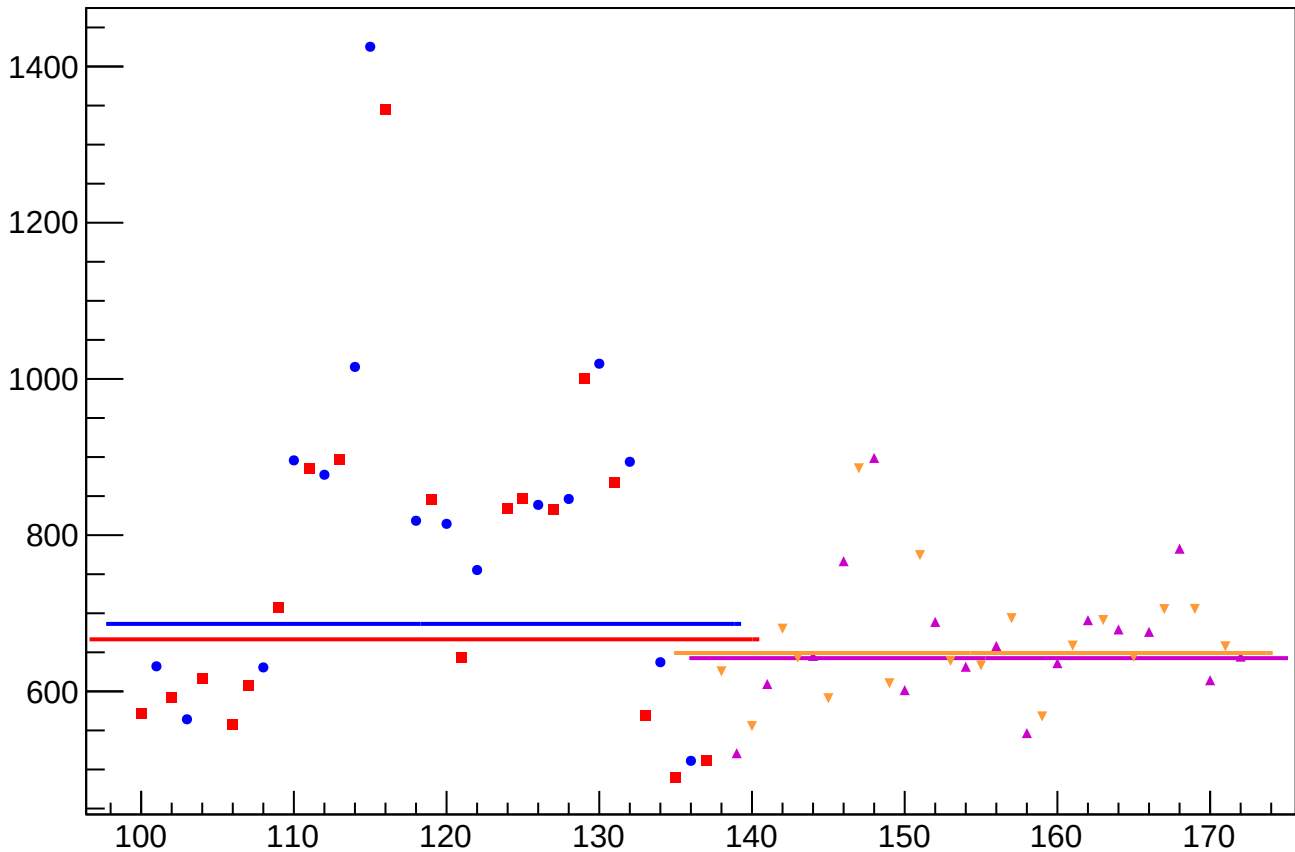
Left In: 164.785 ± 173.483 χ^2/NDF : 32.8/16

+ sign -177.119 ± 144.733 χ^2/NDF : 31.0/33

All: -108.186 ± 101.642 χ^2/NDF : 88.1/69

- sign -41.106 ± 142.773 χ^2/NDF : 56.6/35

asym_sam_15_dd_rms vs Slug



Right In: 686.394 $\pm$ 0.185 χ^2 /NDF: 749454.8/15

Left Out: 649.113 $\pm$ 0.123 χ^2 /NDF:302306.1/17

Right Out: 666.634 $\pm$ 0.178 χ^2 /NDF: 777033.6/18

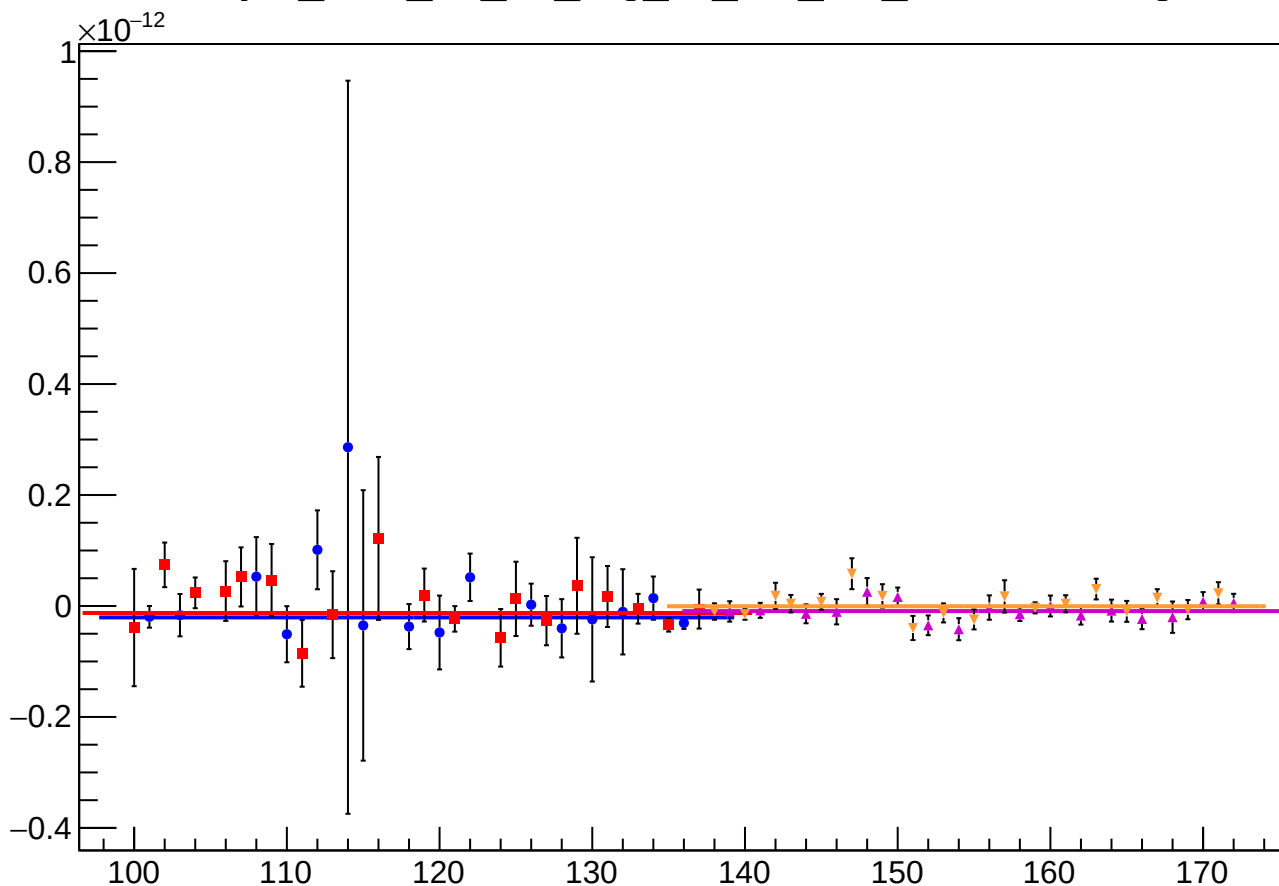
Left In: 642.571 $\pm$ 0.123 χ^2 /NDF:419525.2/16

+ sign 660.461 $\pm$ 0.102 χ^2 /NDF: 1079858.9/33

All: 655.330 $\pm$ 0.072 χ^2 /NDF: 2293795.7/69

- sign 650.336 $\pm$ 0.101 χ^2 /NDF: 1208976.6/35

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/18

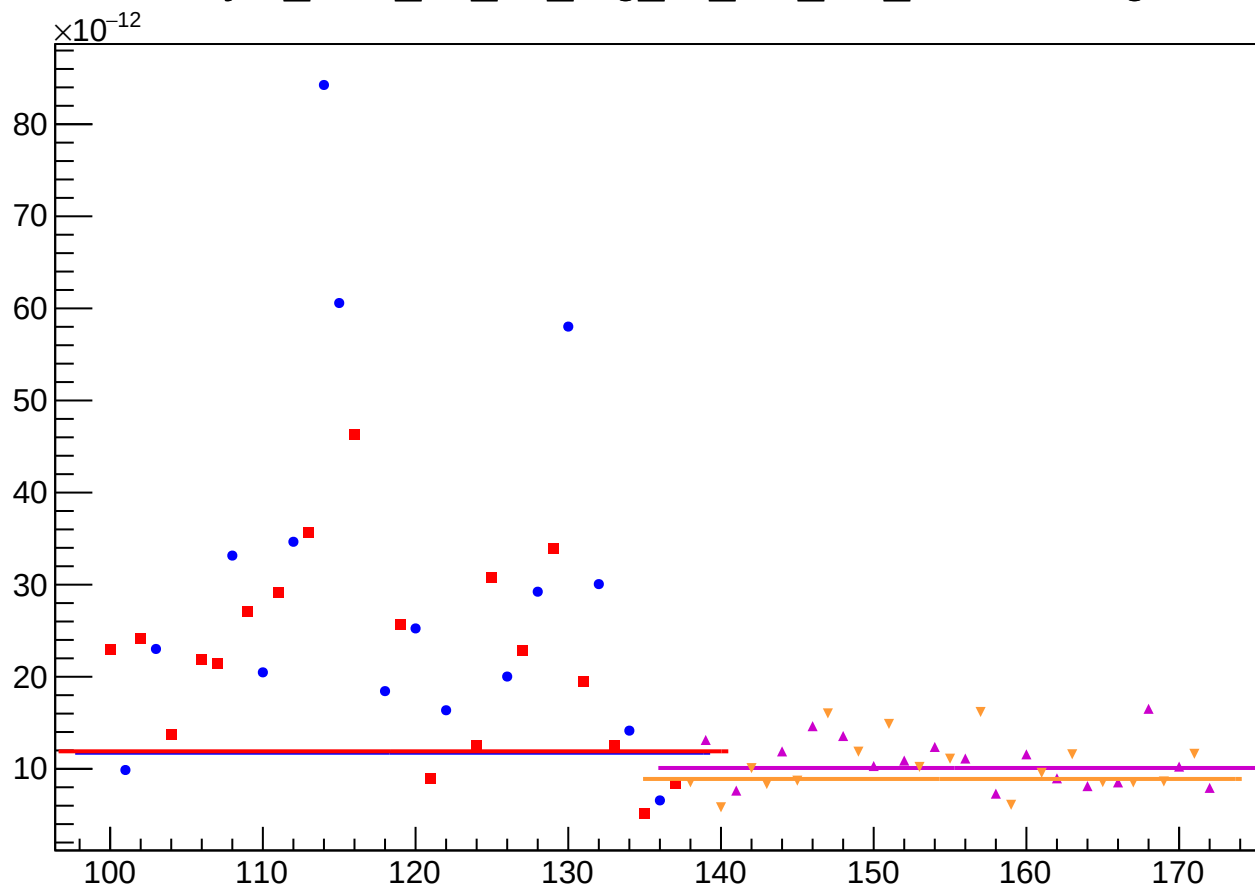
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 35.5/33

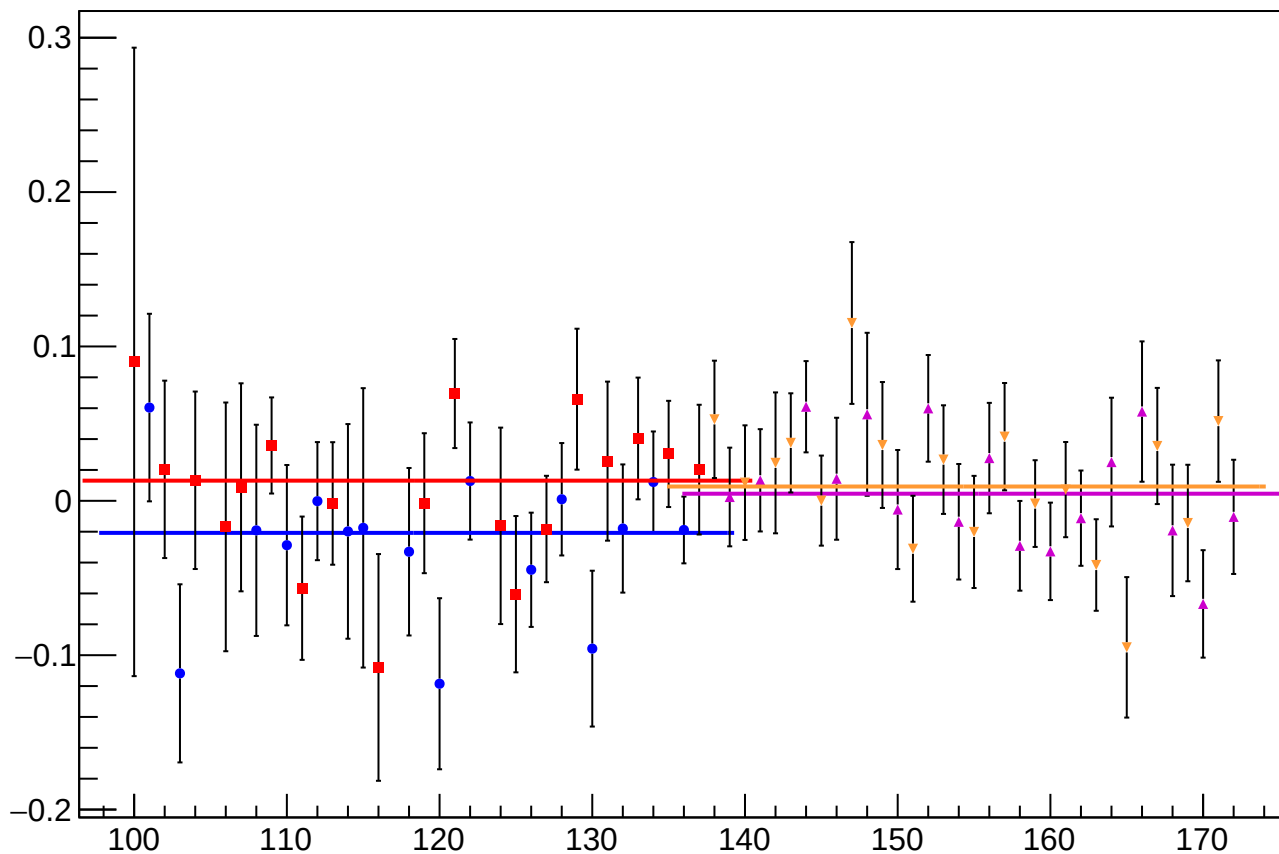
All: -0.000 $\pm$ 0.000 χ^2 /NDF: 66.3/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/35

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



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

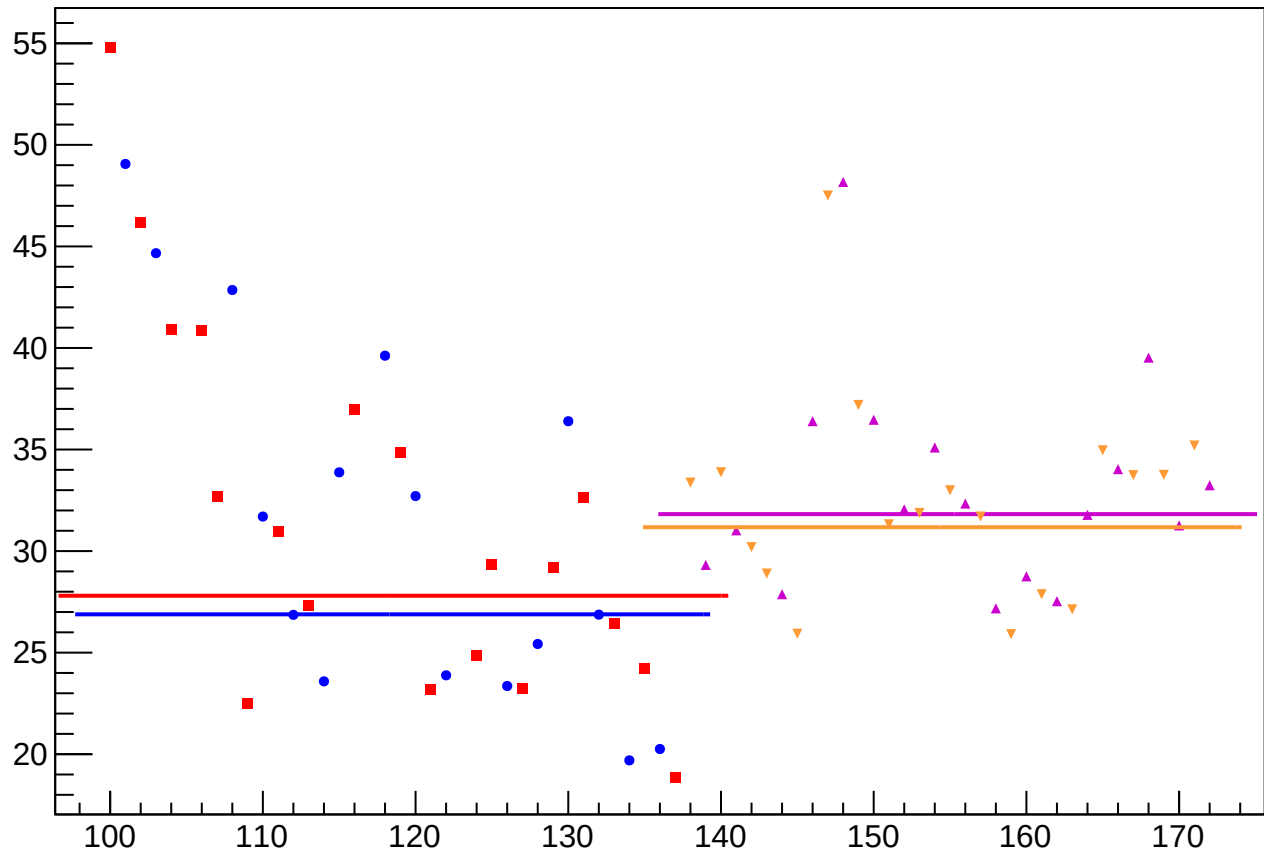
Left In: 0.005 ± 0.009 χ^2/NDF : 17.3/16

+ sign -0.002 ± 0.007 χ^2/NDF : 37.9/33

All: 0.003 ± 0.005 χ^2/NDF : 70.7/69

- sign 0.008 ± 0.007 χ^2/NDF : 31.6/35

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.886 ± 0.007 $\chi^2/\text{NDF}: 1120557.7/15$

Left Out: 31.176 ± 0.006 $\chi^2/\text{NDF}: 520687.4/17$

Right Out: 27.802 ± 0.007 $\chi^2/\text{NDF}: 763106.1/18$

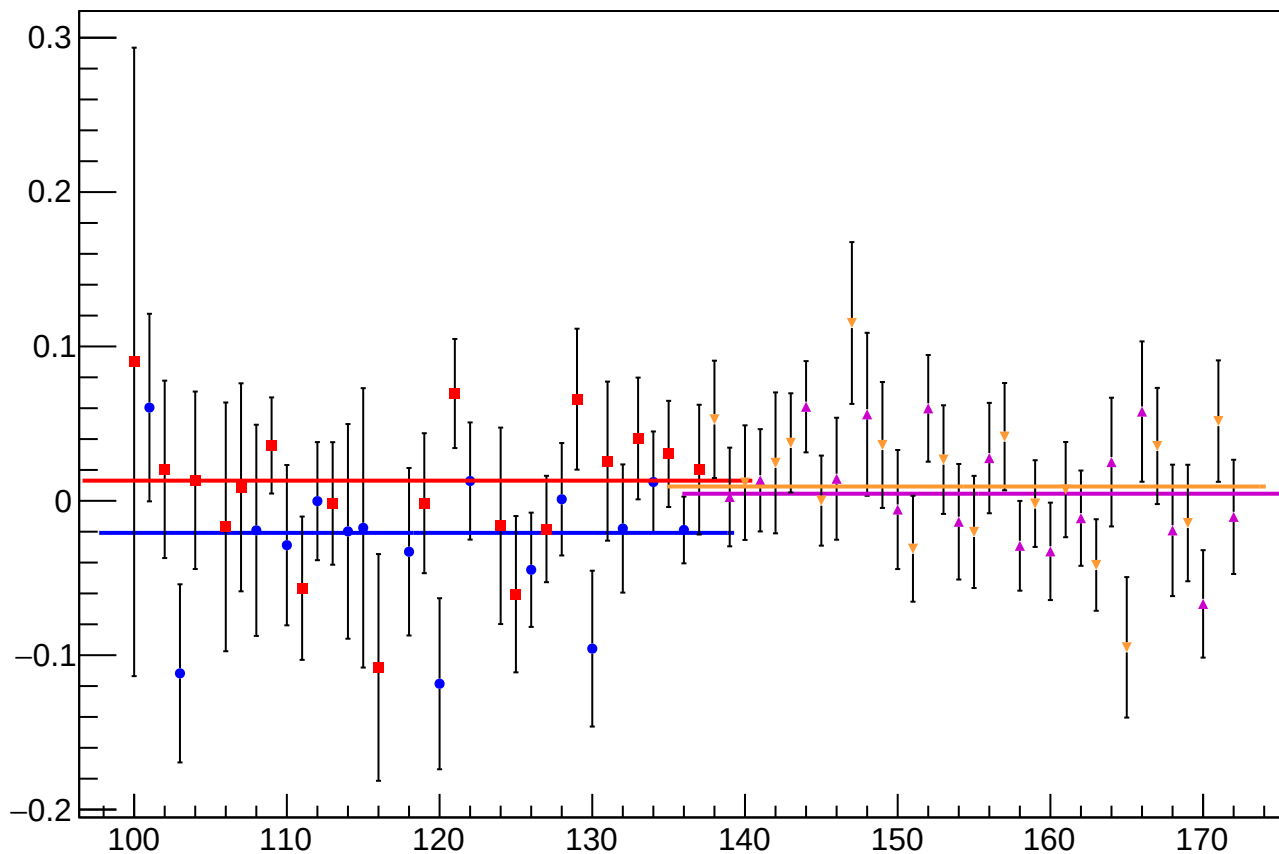
Left In: 31.820 ± 0.006 $\chi^2/\text{NDF}: 494771.5/16$

+ sign 29.509 ± 0.005 $\chi^2/\text{NDF}: 1844999.9/33$

All: 29.852 ± 0.003 $\chi^2/\text{NDF}: 3288109.6/69$

- sign 30.209 ± 0.005 $\chi^2/\text{NDF}: 1431907.1/35$

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.009 ± 0.008 χ^2/NDF : 20.3/17

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

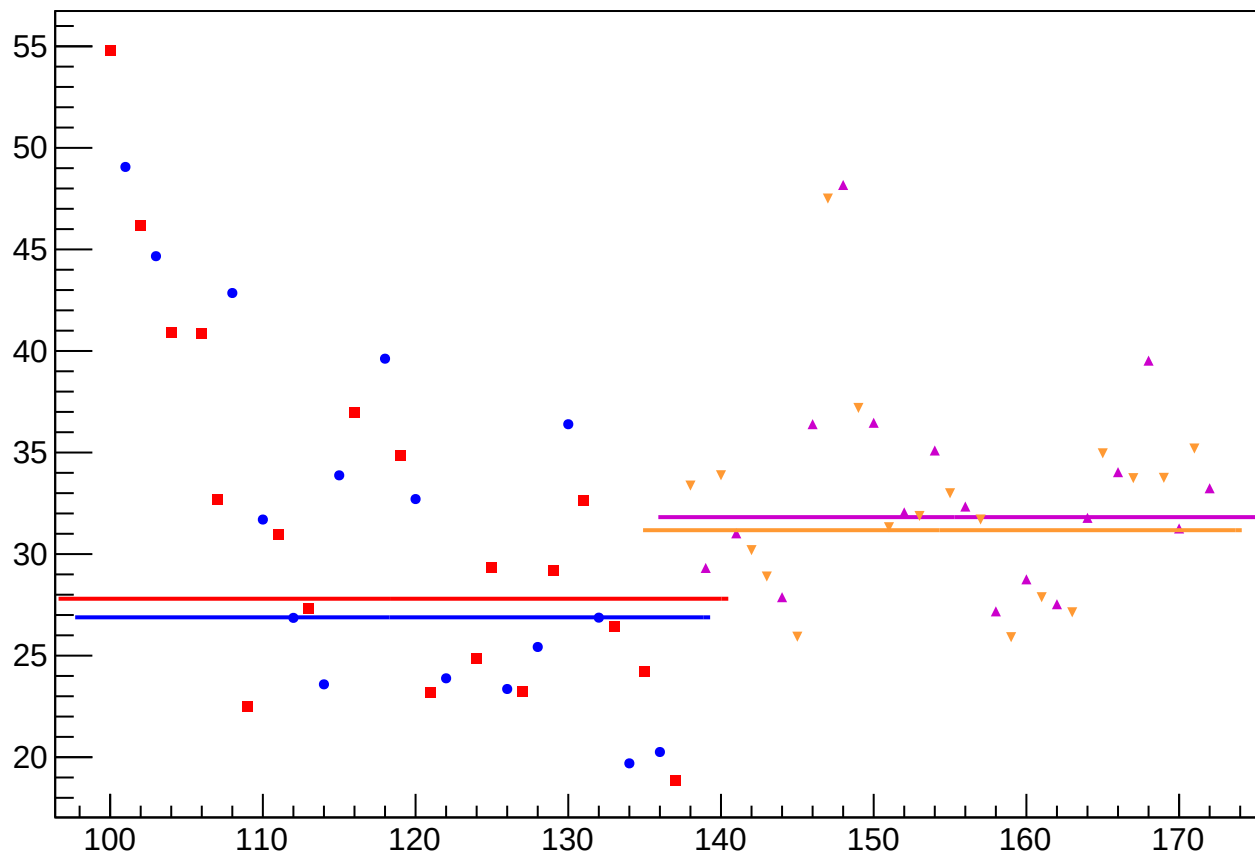
Left In: 0.005 ± 0.009 χ^2/NDF : 17.3/16

+ sign -0.002 ± 0.007 χ^2/NDF : 37.9/33

All: 0.003 ± 0.005 χ^2/NDF : 70.7/69

- sign 0.008 ± 0.007 χ^2/NDF : 31.6/35

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.886 $\pm$ 0.007 χ^2/NDF : 1120557.7/15

Left Out: 31.176 $\pm$ 0.006 χ^2/NDF : 520687.4/17

Right Out: 27.802 $\pm$ 0.007 χ^2/NDF : 763106.1/18

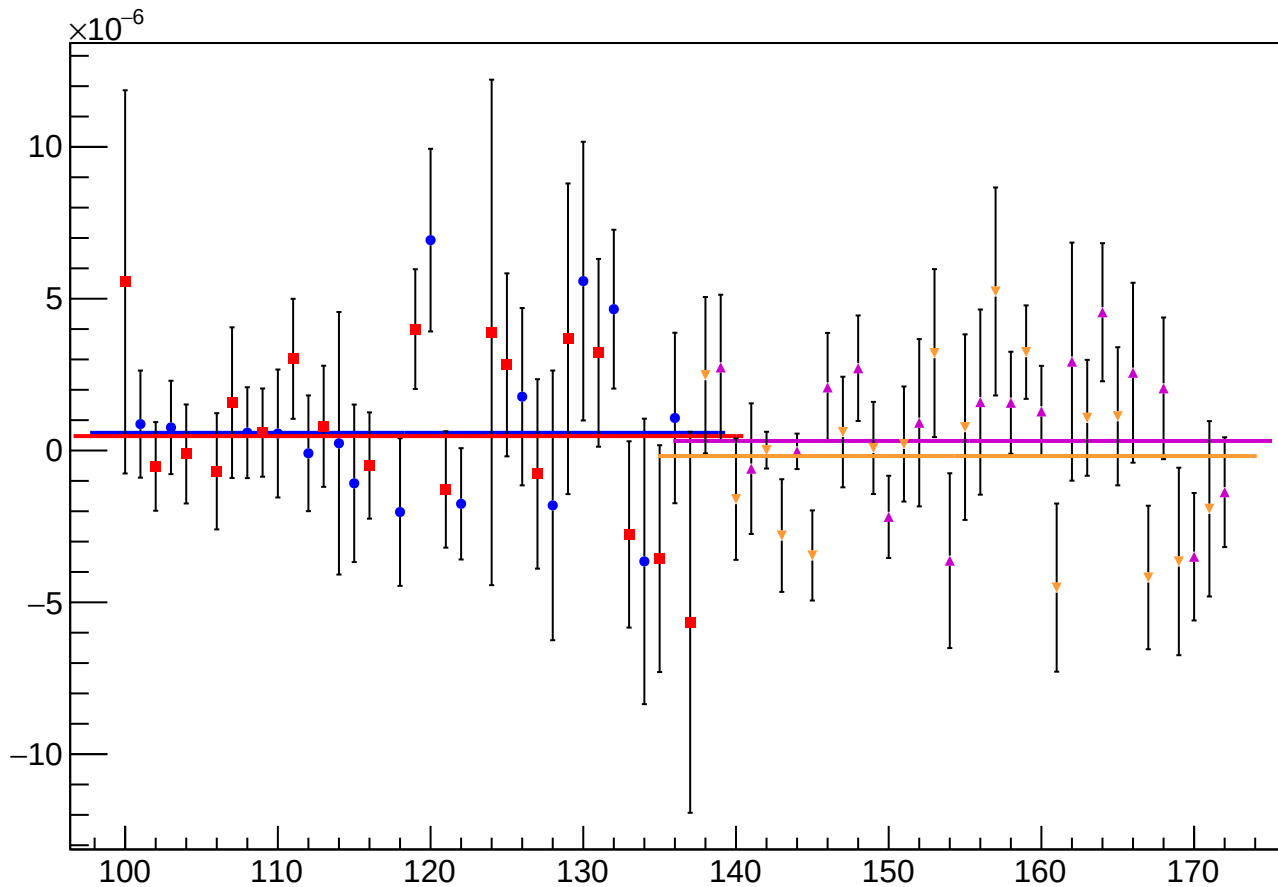
Left In: 31.820 $\pm$ 0.006 χ^2/NDF : 494771.5/16

+ sign 29.509 $\pm$ 0.005 χ^2/NDF : 1844999.9/33

All: 29.852 $\pm$ 0.003 χ^2/NDF : 3288109.6/69

- sign 30.209 $\pm$ 0.005 χ^2/NDF : 1431907.1/35

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 12.7/15

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 25.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 13.2/18

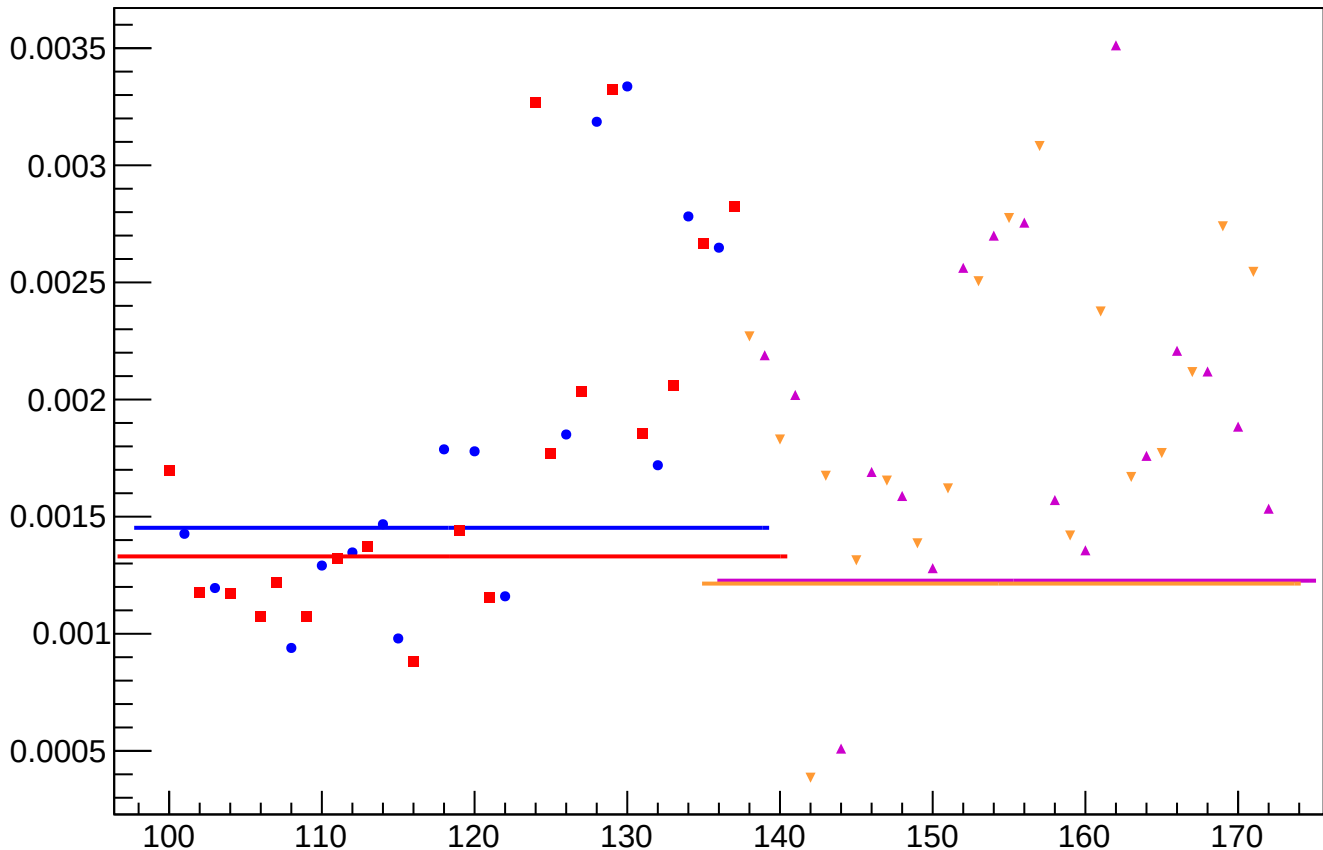
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 20.1/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 39.5/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 73.4/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 33.4/35

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 8013040.4/17

Right Out: 0.001+/-0.000 χ^2/NDF : 1402821.5/18

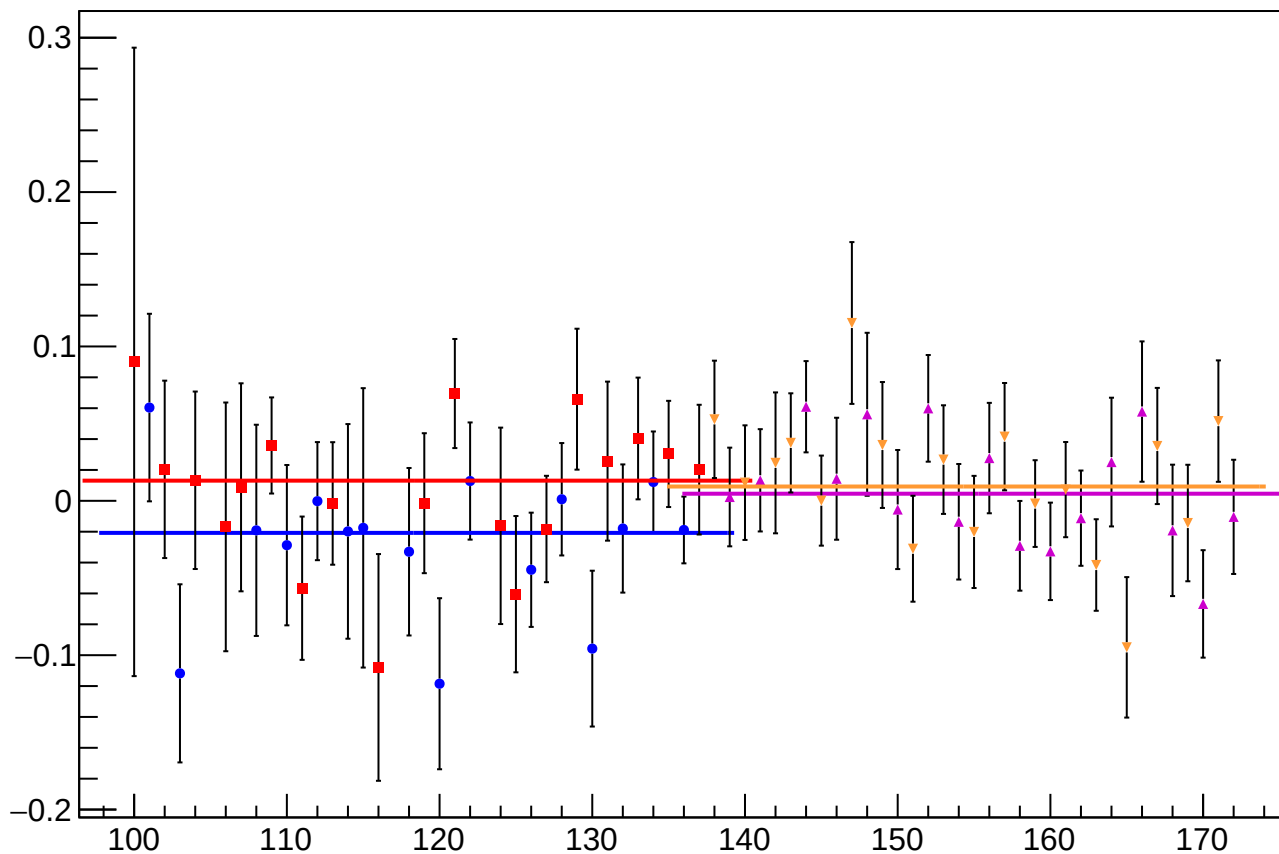
Left In: 0.001+/-0.000 χ^2/NDF : 6982130.6/16

+ sign 0.001+/-0.000 χ^2/NDF : 9958069.4/33

All: 0.001+/-0.000 χ^2/NDF : 18400738.6/69

- sign 0.001+/-0.000 χ^2/NDF : 8436381.4/35

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021 ± 0.011 χ^2/NDF : 12.5/15

Left Out: 0.009 ± 0.008 χ^2/NDF : 20.3/17

Right Out: 0.013 ± 0.011 χ^2/NDF : 13.9/18

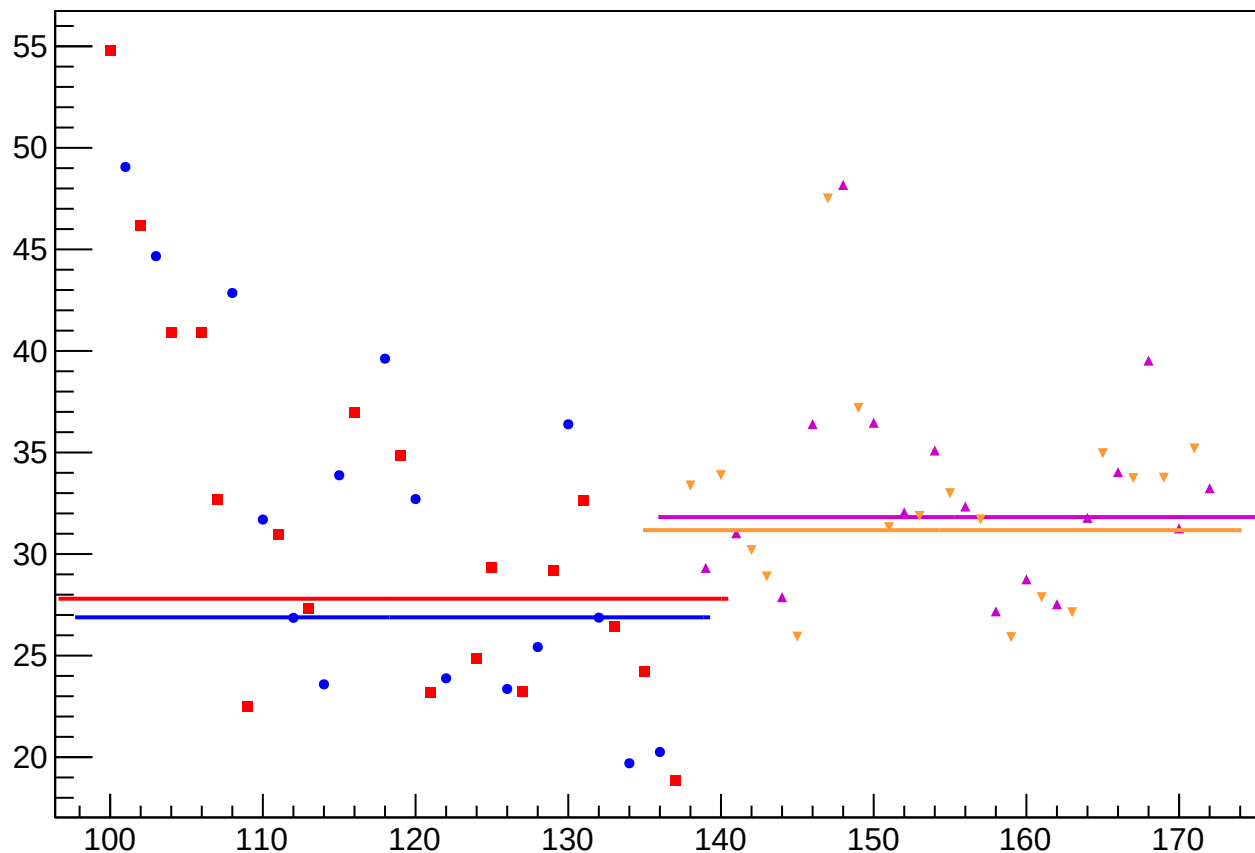
Left In: 0.005 ± 0.009 χ^2/NDF : 17.3/16

+ sign -0.002 ± 0.007 χ^2/NDF : 37.9/33

All: 0.003 ± 0.005 χ^2/NDF : 70.7/69

- sign 0.008 ± 0.007 χ^2/NDF : 31.6/35

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.885 $\pm$ 0.007 χ^2 /NDF: 1120567.7/15

Left Out: 31.176 $\pm$ 0.006 χ^2 /NDF: 520807.3/17

Right Out: 27.800 $\pm$ 0.007 χ^2 /NDF: 763213.5/18

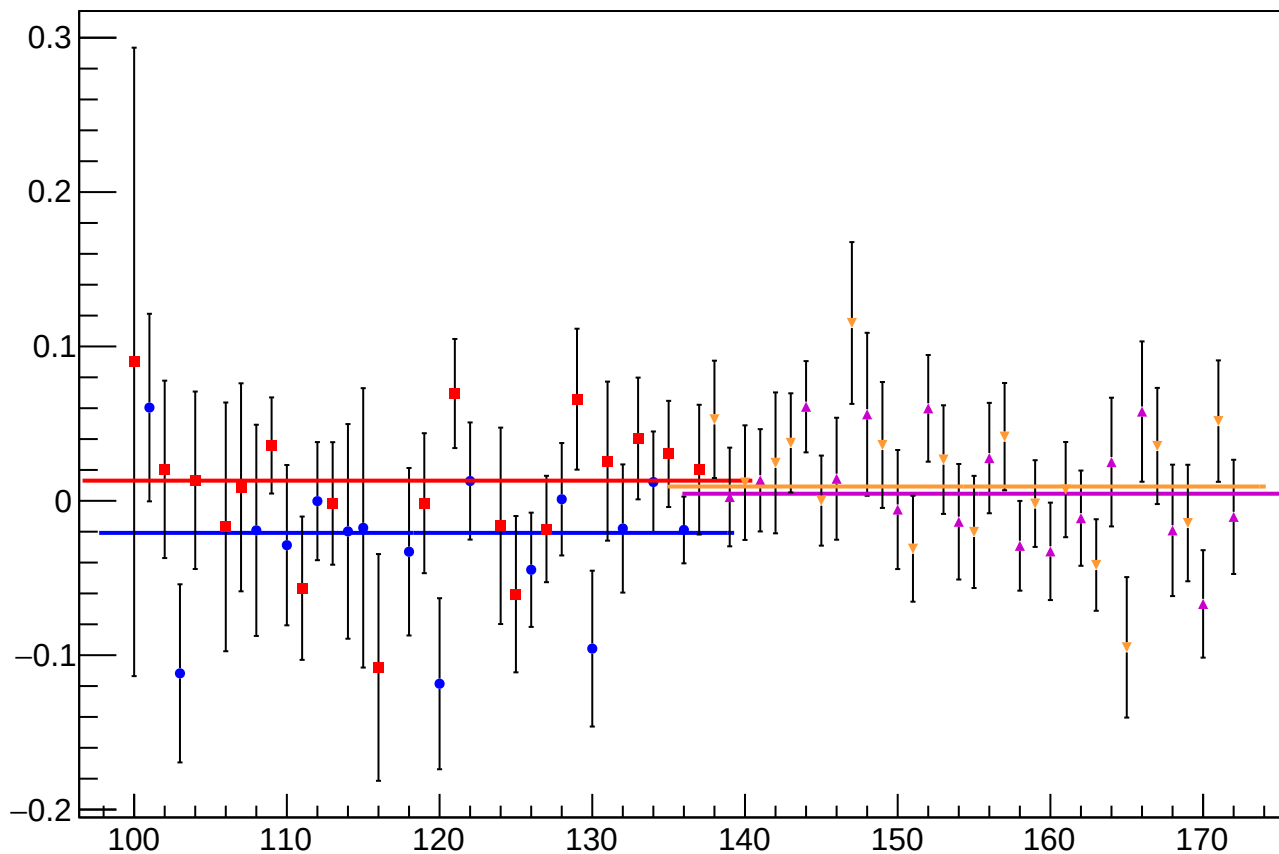
Left In: 31.819 $\pm$ 0.006 χ^2 /NDF: 494871.7/16

+ sign 29.508 $\pm$ 0.005 χ^2 /NDF: 1845208.6/33

All: 29.852 $\pm$ 0.003 χ^2 /NDF: 3288644.4/69

- sign 30.208 $\pm$ 0.005 χ^2 /NDF: 1432238.2/35

asym_sam_15_dd_eigen_dit_vs_eigen_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

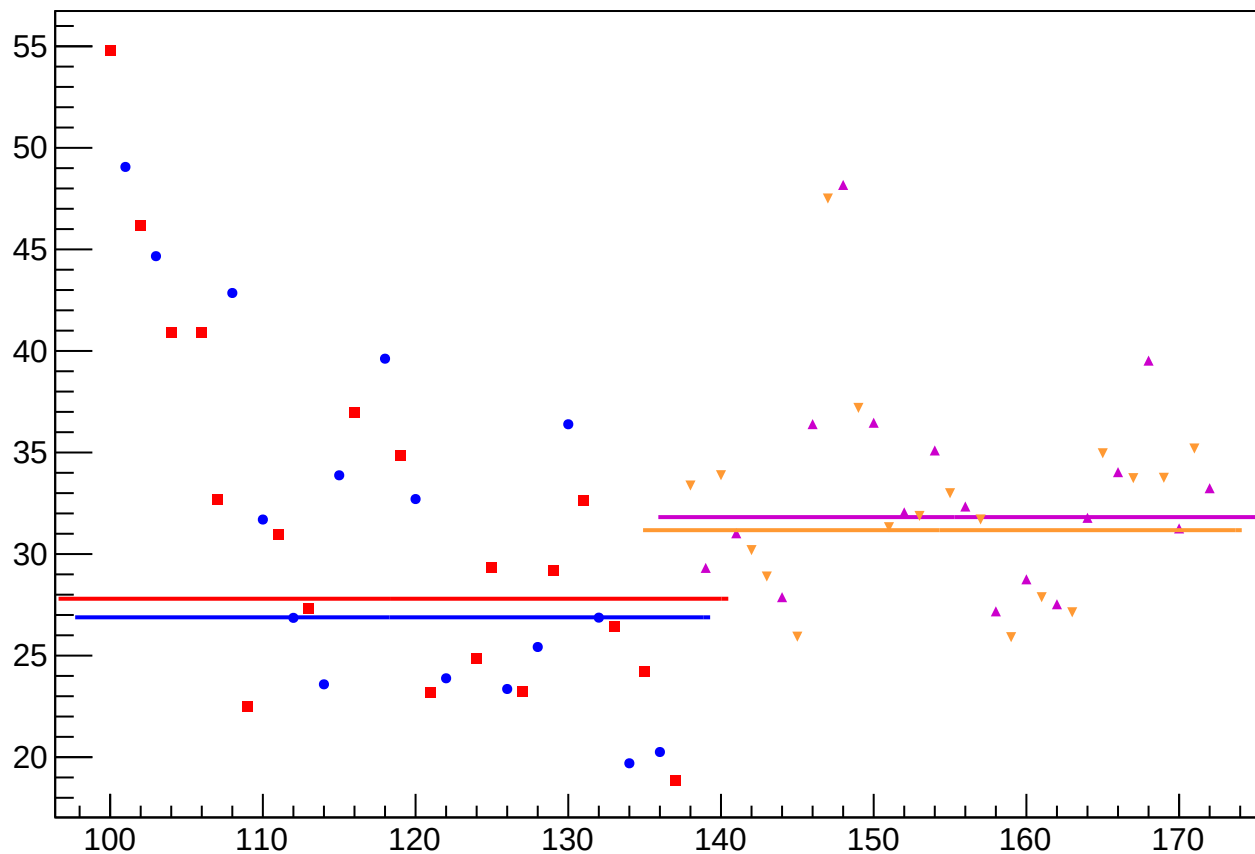
Left In: 0.005 ± 0.009 χ^2/NDF : 17.3/16

+ sign -0.002 ± 0.007 χ^2/NDF : 37.9/33

All: 0.003 ± 0.005 χ^2/NDF : 70.7/69

- sign 0.008 ± 0.007 χ^2/NDF : 31.6/35

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.885 $\pm$ 0.007 χ^2/NDF : 1120567.7/15

Left Out: 31.176 $\pm$ 0.006 χ^2/NDF : 520807.3/17

Right Out: 27.800 $\pm$ 0.007 χ^2/NDF : 763213.5/18

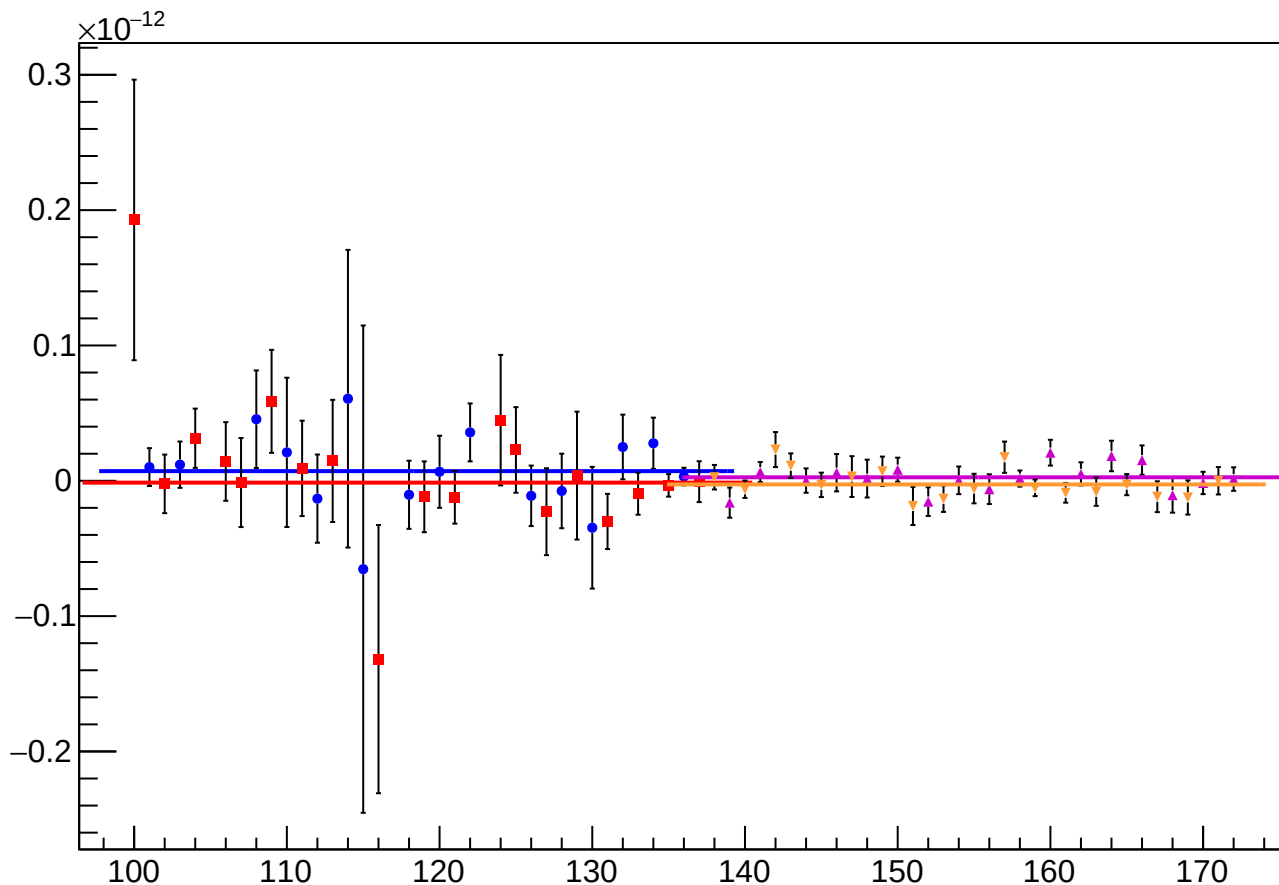
Left In: 31.819 $\pm$ 0.006 χ^2/NDF : 494871.7/16

+ sign 29.508 $\pm$ 0.005 χ^2/NDF : 1845208.6/33

All: 29.852 $\pm$ 0.003 χ^2/NDF : 3288644.4/69

- sign 30.208 $\pm$ 0.005 χ^2/NDF : 1432238.2/35

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

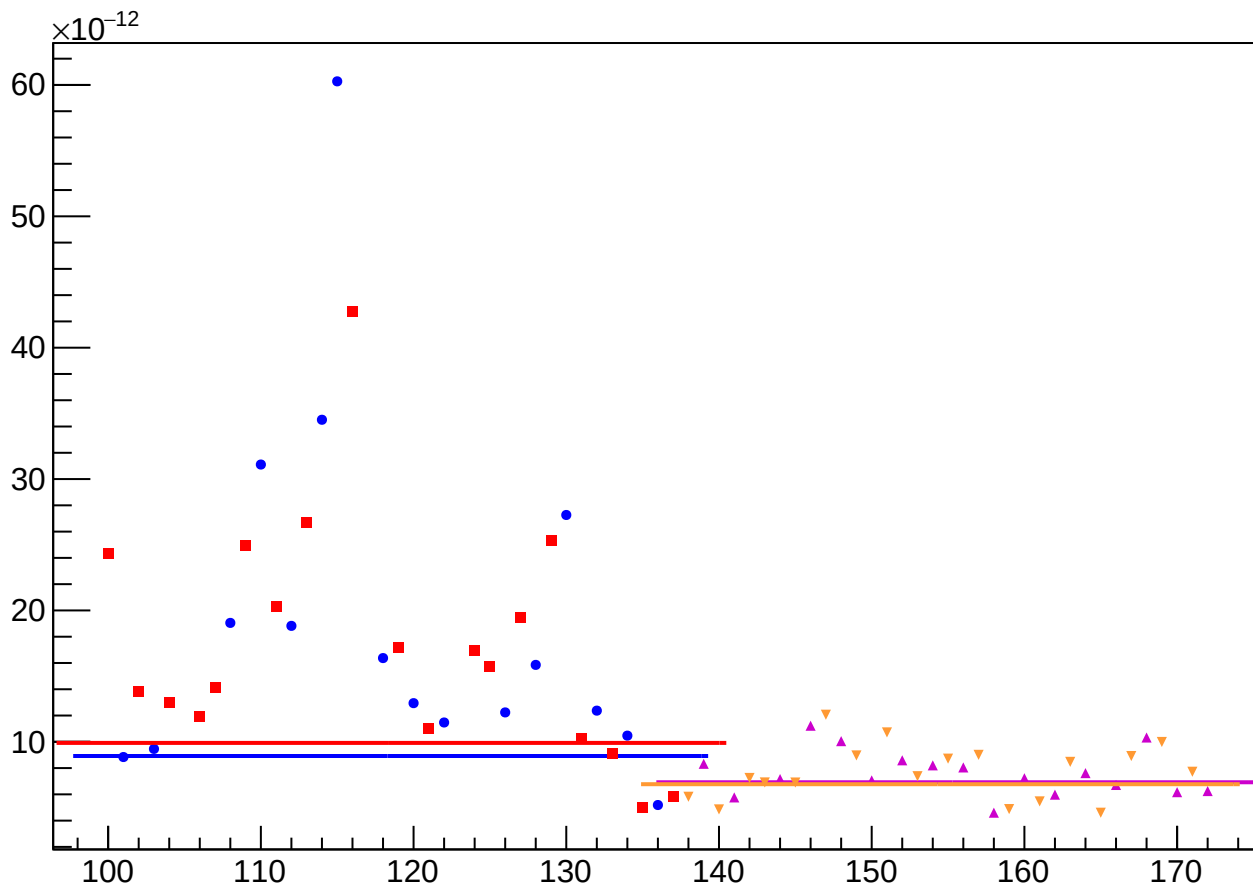
Left In: 0.000+/-0.000 χ^2/NDF : 15.6/16

+ sign -0.000+/-0.000 χ^2/NDF : 28.0/33

All: 0.000+/-0.000 χ^2/NDF : 60.3/69

- sign 0.000+/-0.000 χ^2/NDF : 31.4/35

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

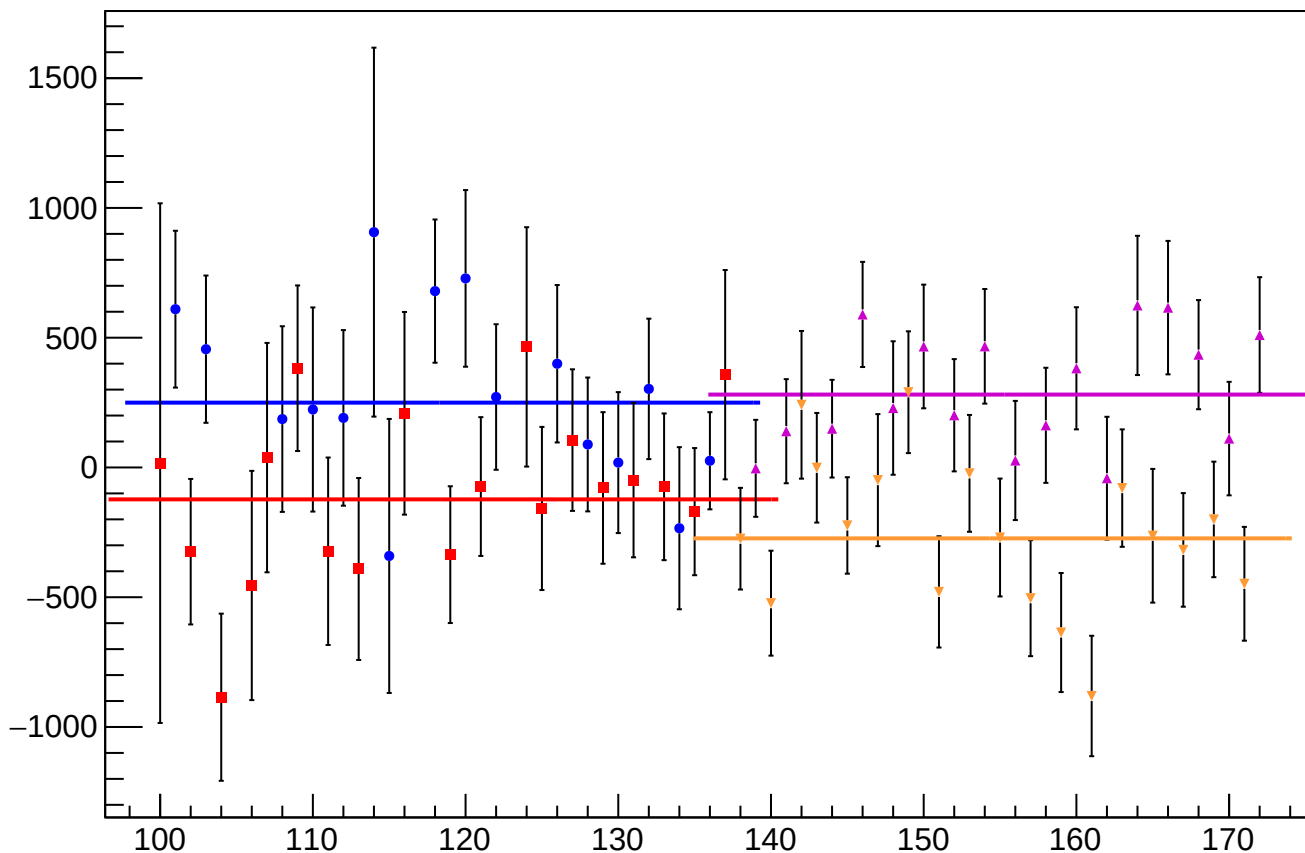
Left In: 0.000+/-0.000 χ^2/NDF :983640.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 4275512.2/33

All: 0.000+/-0.000 χ^2/NDF : 8551033.3/69

- sign 0.000+/-0.000 χ^2/NDF : 4257794.9/35

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

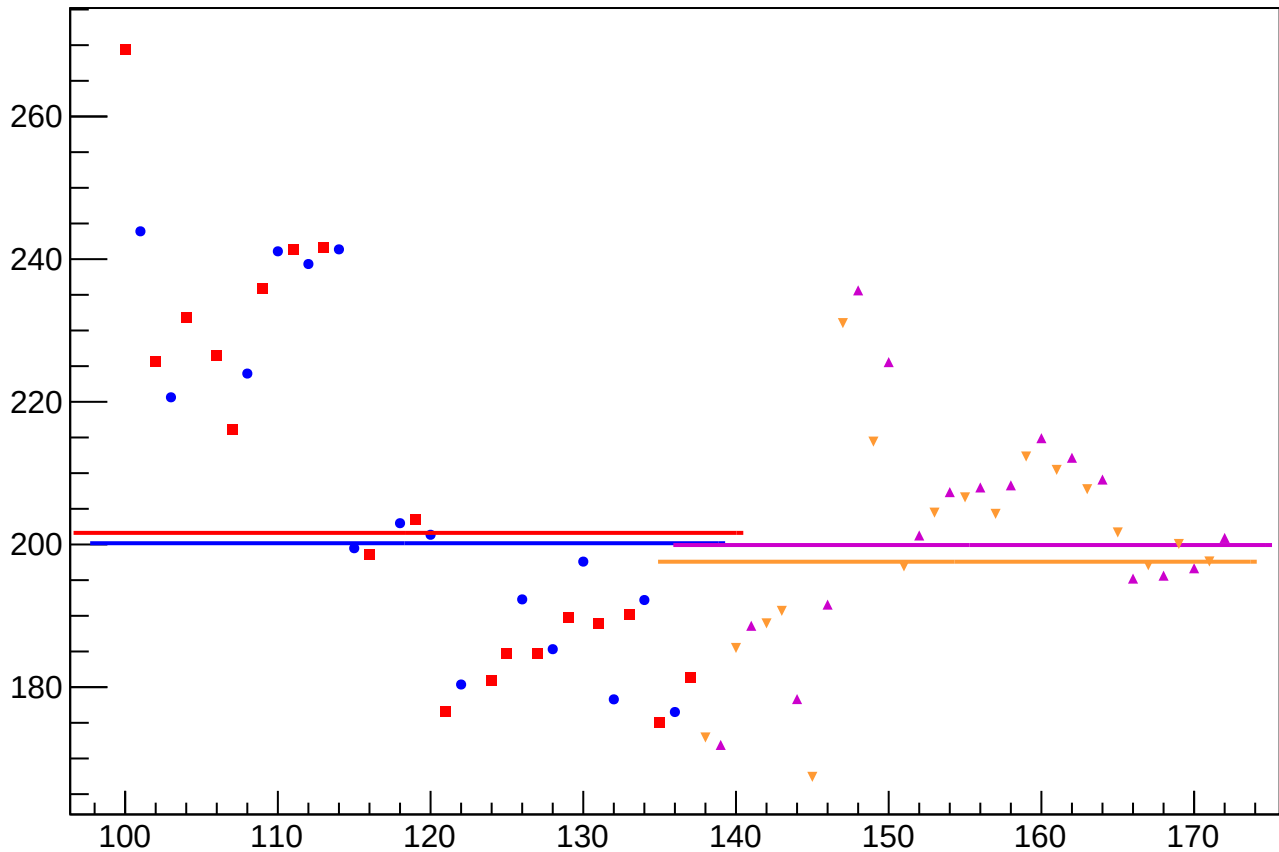
Left In: 280.817 ± 53.560 χ^2/NDF : 16.2/16

+ sign -100.861 ± 42.985 χ^2/NDF : 73.6/33

All: 19.677 ± 30.562 χ^2/NDF : 140.7/69

- sign 142.906 ± 43.462 χ^2/NDF : 51.2/35

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.3/15

Left Out: 197.586 $\pm$ 0.037 χ^2 /NDF:166431.3/17

Right Out: 201.627 $\pm$ 0.053 χ^2 /NDF: 197245.7/18

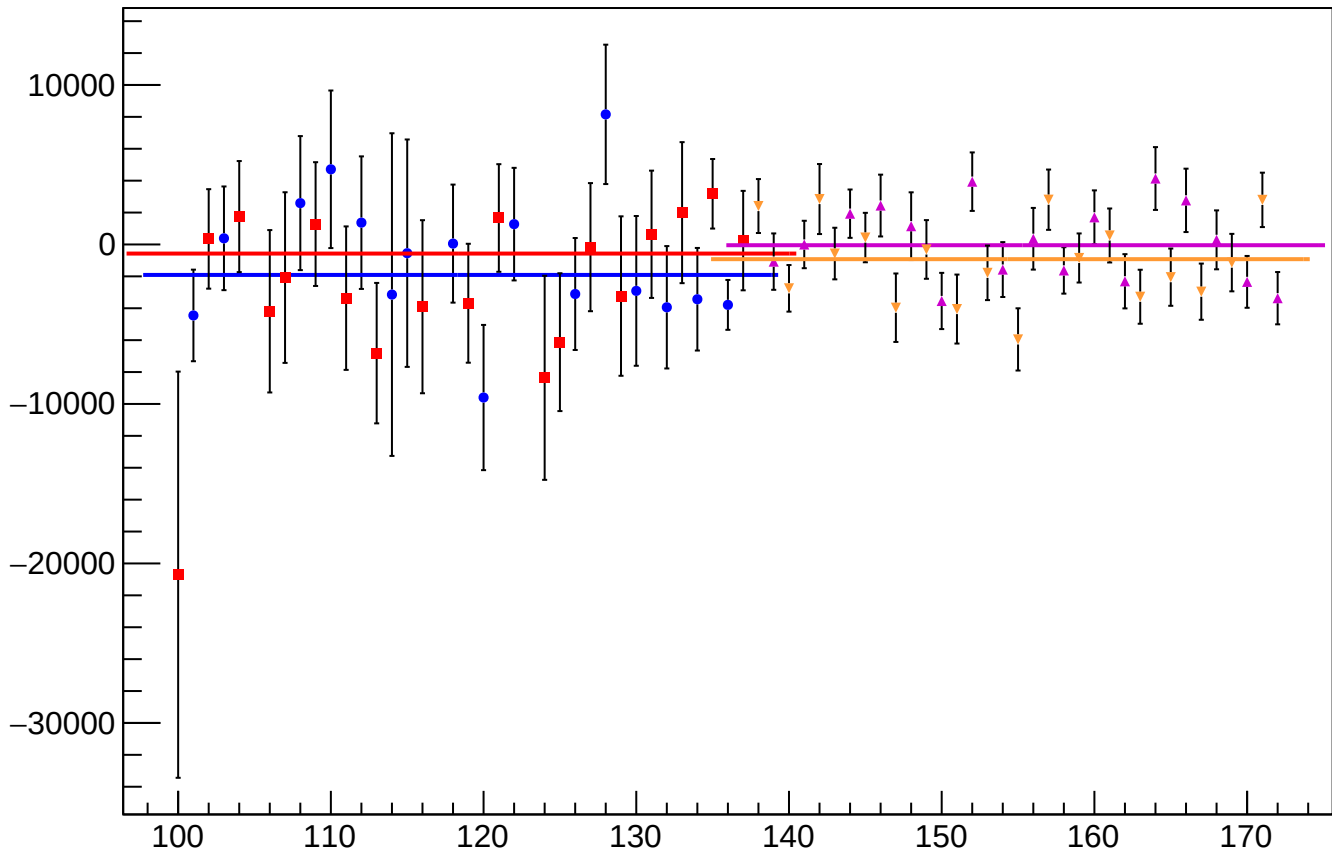
Left In: 199.923 $\pm$ 0.038 χ^2 /NDF:168208.7/16

+ sign 198.440 $\pm$ 0.030 χ^2 /NDF: 349038.3/33

All: 199.461 $\pm$ 0.022 χ^2 /NDF: 717467.0/69

- sign 200.505 $\pm$ 0.031 χ^2 /NDF: 366146.0/35

asym_sam_26_dd_reg_correction_mean vs Slug



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

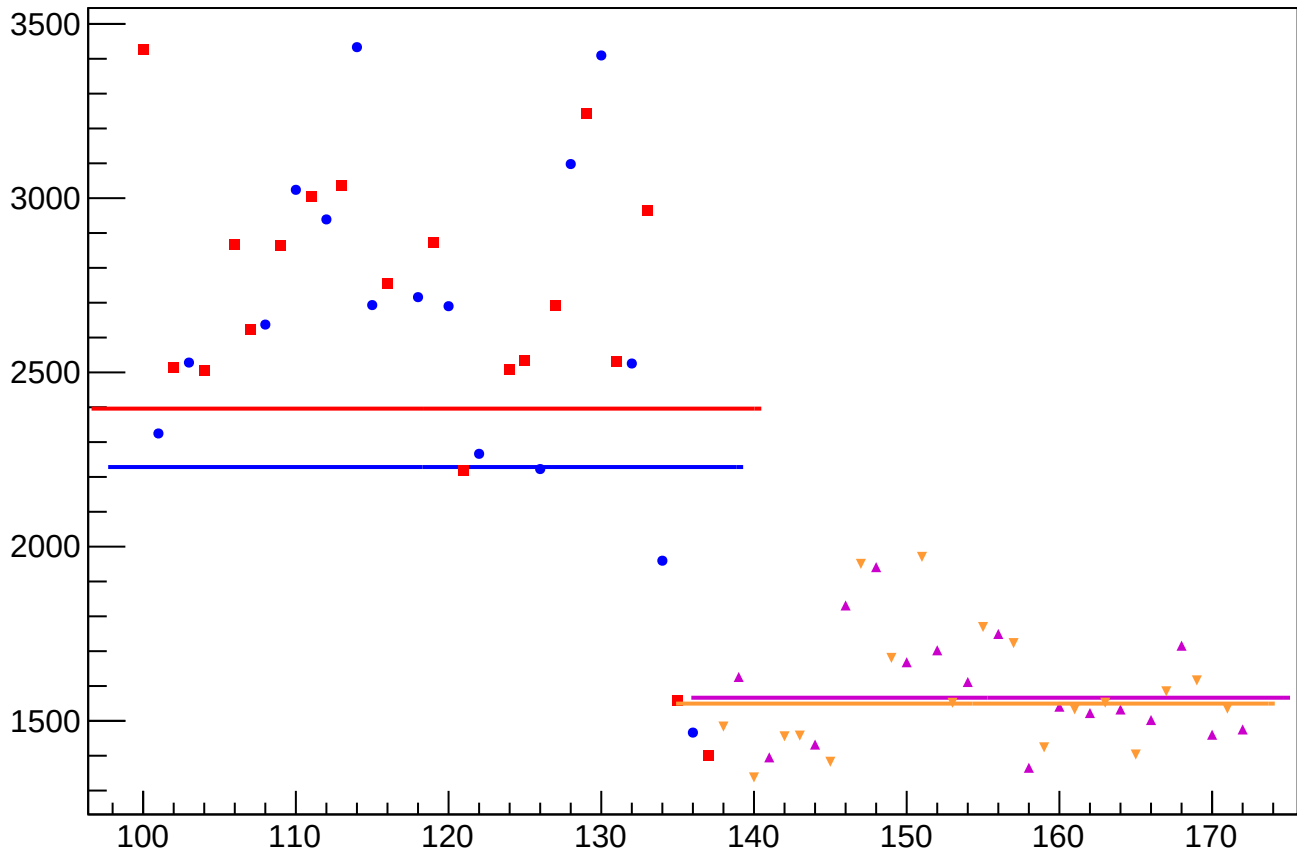
Left In: -47.533 ± 420.904 χ^2/NDF : 30.2/16

+ sign -1108.417 ± 372.807 χ^2/NDF : 50.8/33

All: -635.797 ± 266.567 χ^2/NDF : 99.1/69

- sign -141.390 ± 381.303 χ^2/NDF : 45.1/35

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

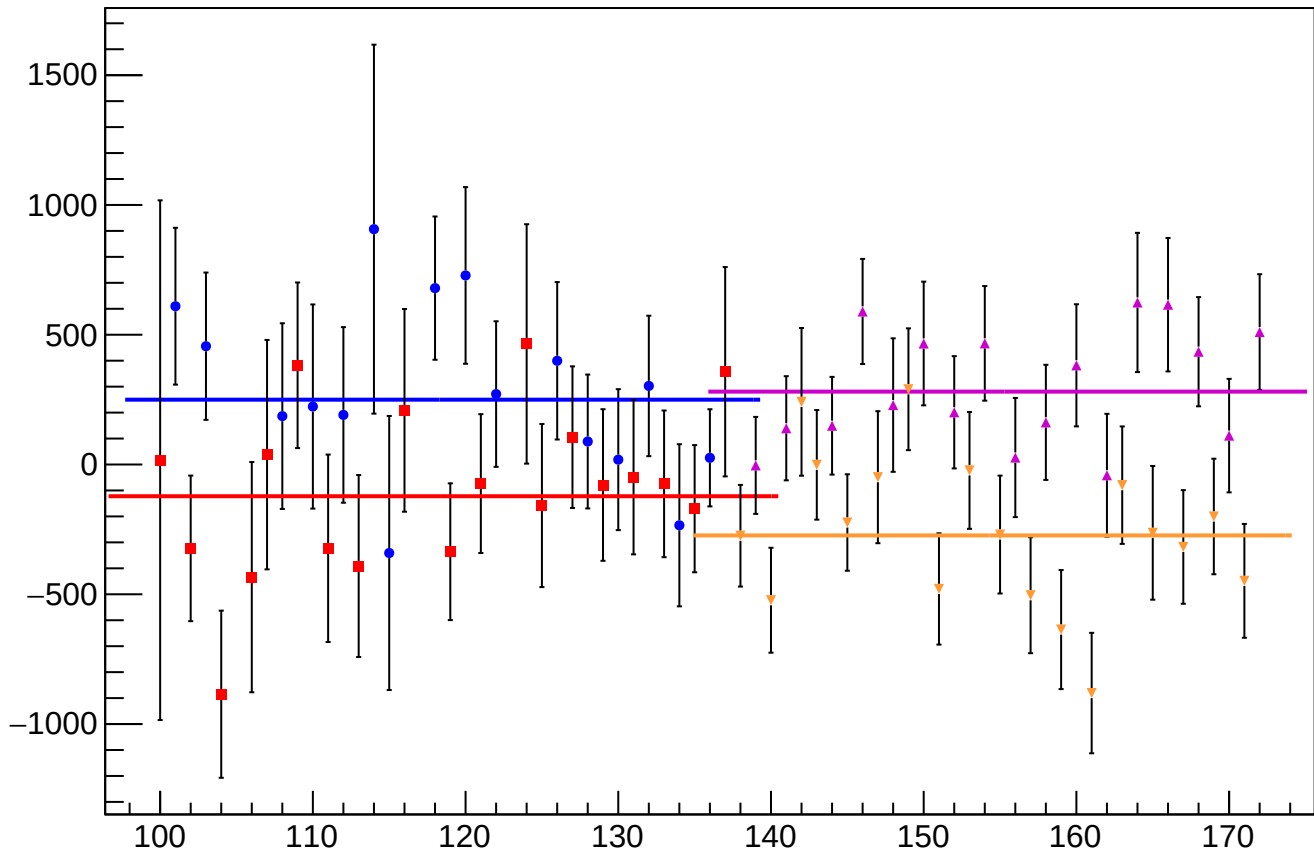
Left In: 1566.426+/-0.298 χ^2/NDF : 251564.4/16

+ sign 1677.403+/-0.264 χ^2/NDF : 2268254.2/33

All: 1695.874+/-0.188 χ^2/NDF : 4722715.2/69

- sign 1715.197+/-0.270 χ^2/NDF : 2444415.6/35

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

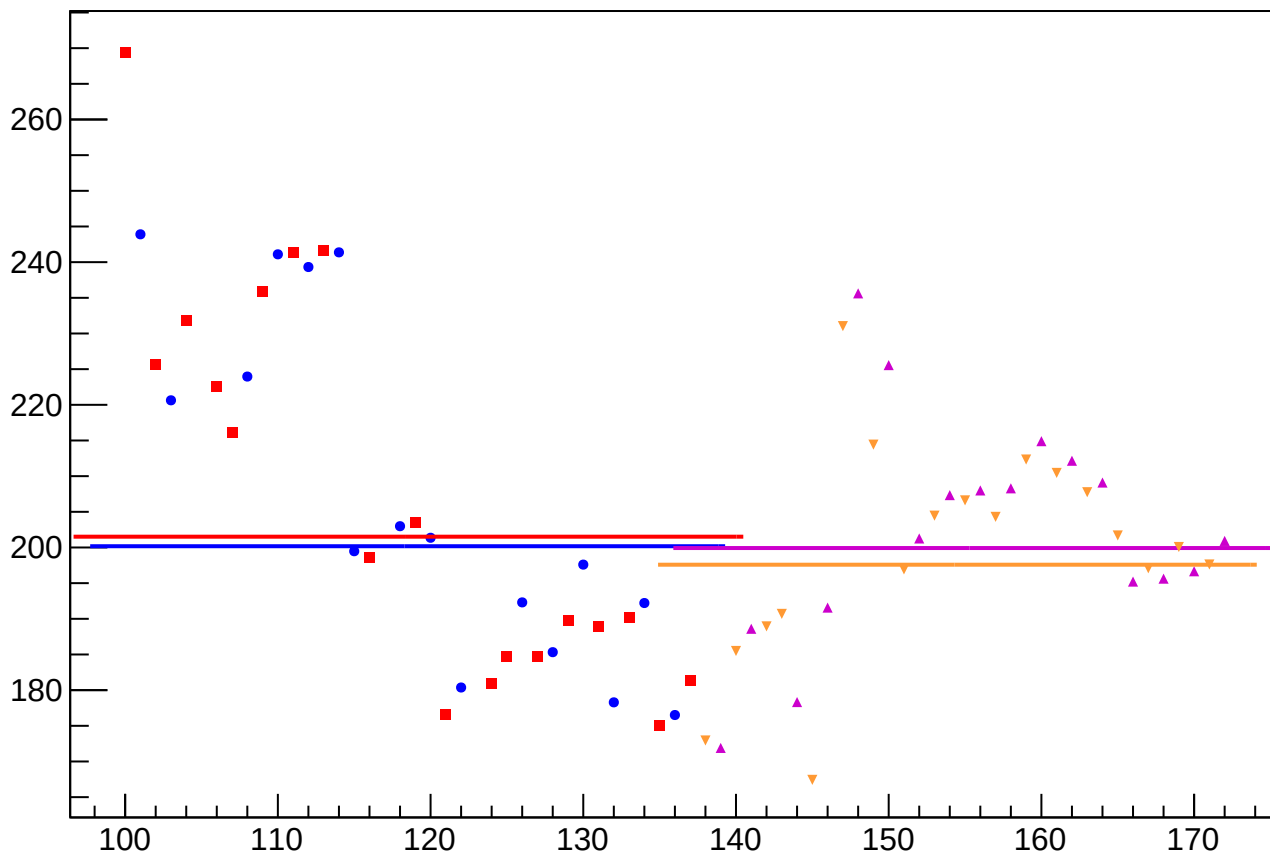
Left In: 280.820 ± 53.560 χ^2/NDF : 16.2/16

+ sign -100.857 ± 42.985 χ^2/NDF : 73.6/33

All: 19.819 ± 30.563 χ^2/NDF : 140.6/69

- sign 143.201 ± 43.464 χ^2/NDF : 51.0/35

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 197.586 $\pm$ 0.037 χ^2 /NDF:166431.4/17

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

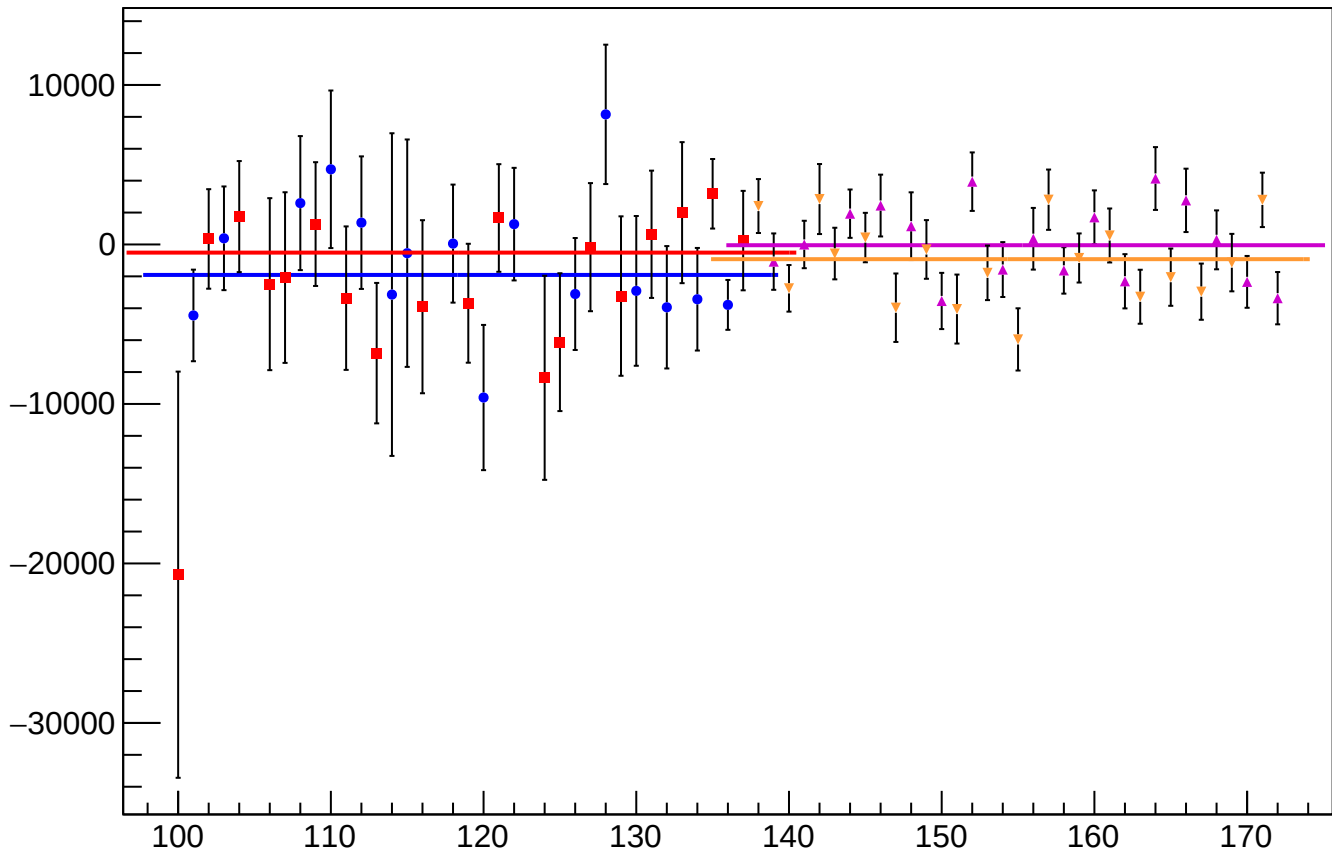
Left In: 199.923 $\pm$ 0.038 χ^2 /NDF:168208.7/16

+ sign 198.440 $\pm$ 0.030 χ^2 /NDF: 349038.6/33

All: 199.442 $\pm$ 0.022 χ^2 /NDF: 715479.5/69

- sign 200.466 $\pm$ 0.031 χ^2 /NDF: 364242.9/35

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1910.310 $\pm$ 859.089 χ^2/NDF : 16.3/15

Left Out: -922.359 $\pm$ 413.801 χ^2/NDF : 33.4/17

Right Out: -511.276 $\pm$ 902.014 χ^2/NDF : 14.2/18

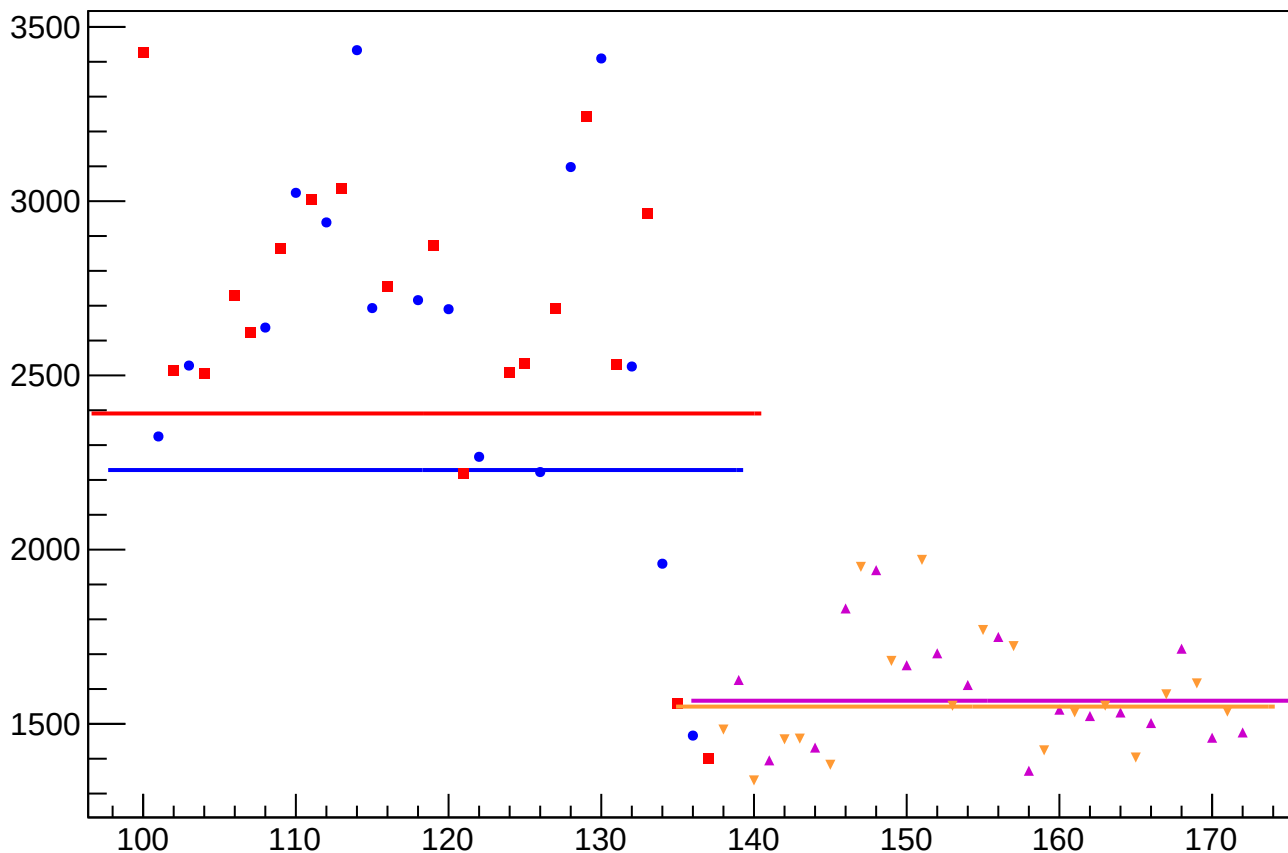
Left In: -47.537 $\pm$ 420.904 χ^2/NDF : 30.2/16

+ sign -1108.408 $\pm$ 372.807 χ^2/NDF : 50.8/33

All: -630.601 $\pm$ 266.608 χ^2/NDF : 98.7/69

- sign -130.457 $\pm$ 381.422 χ^2/NDF : 44.6/35

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

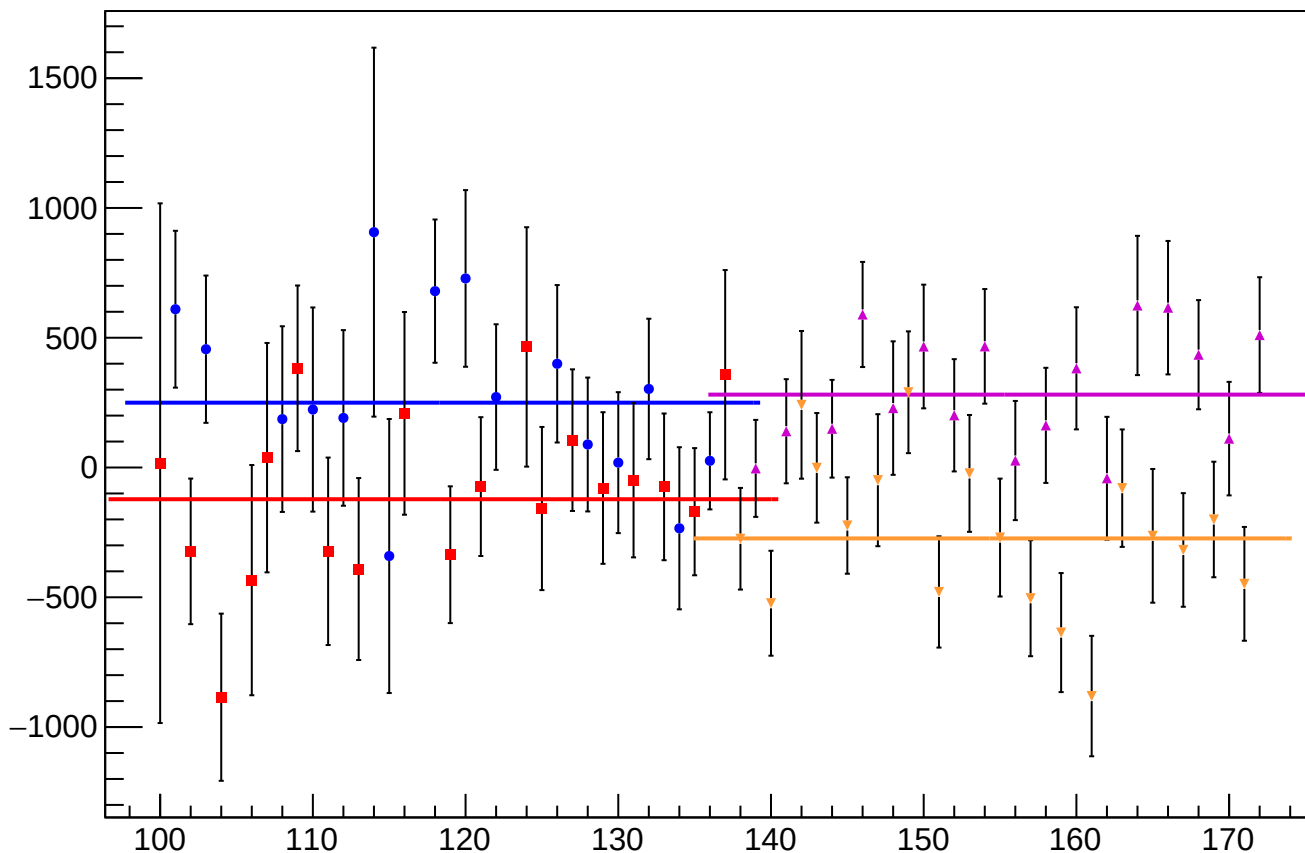
Left In: 1566.427 ± 0.298 χ^2/NDF : 251565.2/16

+ sign 1677.404 ± 0.264 χ^2/NDF : 2268265.0/33

All: 1695.195 ± 0.189 χ^2/NDF : 4690744.1/69

- sign 1713.818 ± 0.270 χ^2/NDF : 2413156.6/35

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

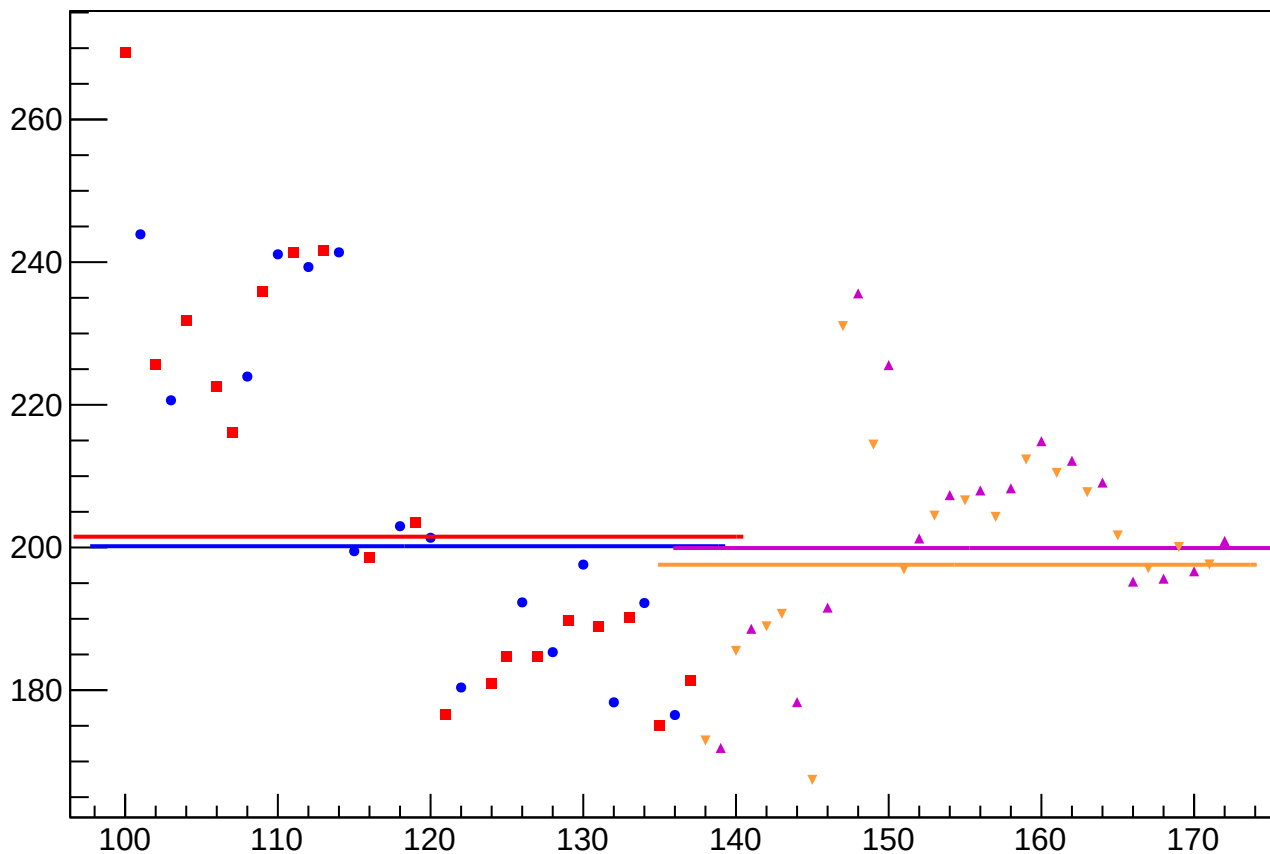
Left In: 280.820 ± 53.560 χ^2/NDF : 16.2/16

+ sign -100.857 ± 42.985 χ^2/NDF : 73.6/33

All: 19.819 ± 30.563 χ^2/NDF : 140.6/69

- sign 143.201 ± 43.464 χ^2/NDF : 51.0/35

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.177 $\pm$ 0.053 χ^2 /NDF: 181001.6/15

Left Out: 197.586 $\pm$ 0.037 χ^2 /NDF:166431.4/17

Right Out: 201.514 $\pm$ 0.053 χ^2 /NDF: 195431.2/18

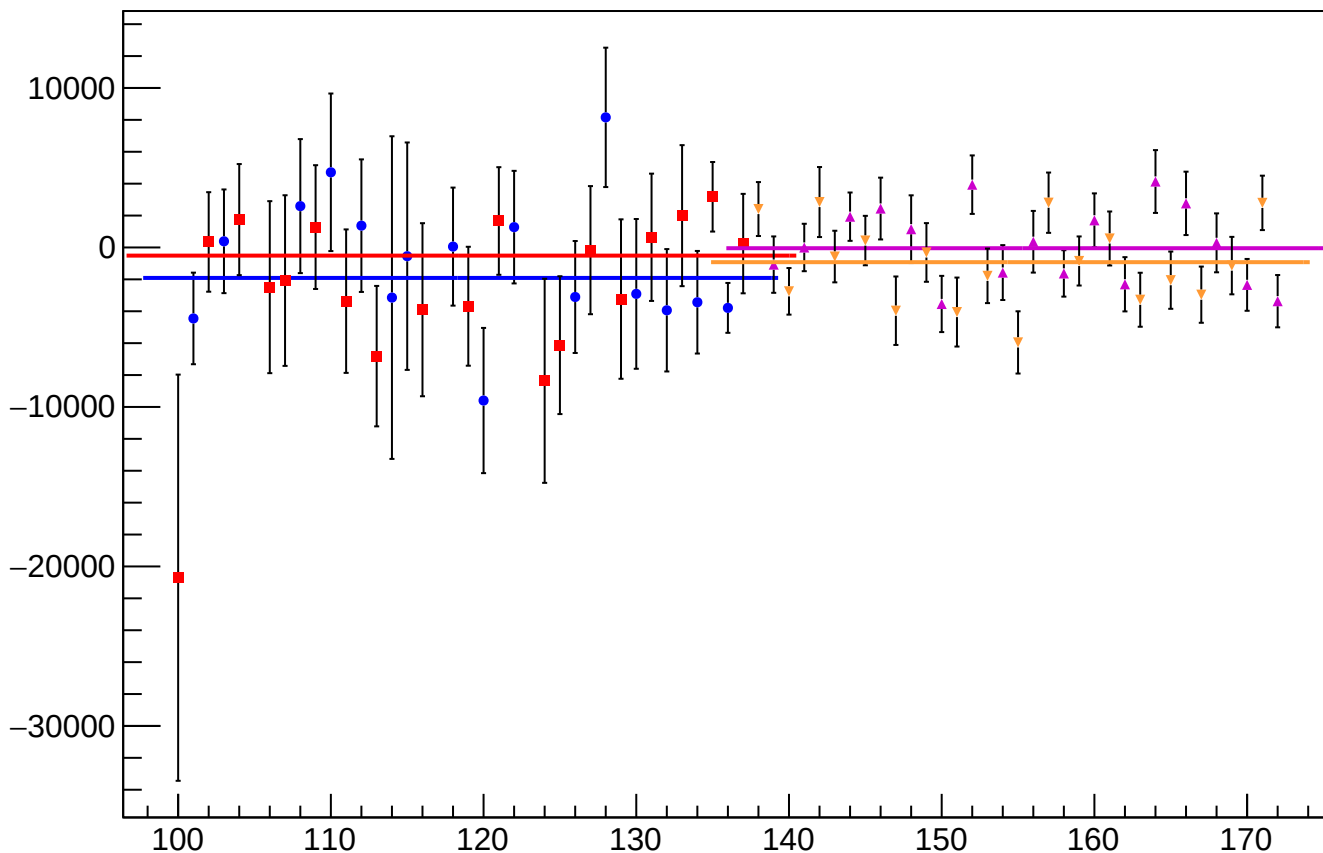
Left In: 199.923 $\pm$ 0.038 χ^2 /NDF:168208.7/16

+ sign 198.440 $\pm$ 0.030 χ^2 /NDF: 349038.6/33

All: 199.442 $\pm$ 0.022 χ^2 /NDF: 715479.5/69

- sign 200.466 $\pm$ 0.031 χ^2 /NDF: 364242.9/35

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -1910.310 $\pm$ 859.089 χ^2/NDF : 16.3/15

Left Out: -922.359 $\pm$ 413.801 χ^2/NDF : 33.4/17

Right Out: -511.276 $\pm$ 902.014 χ^2/NDF : 14.2/18

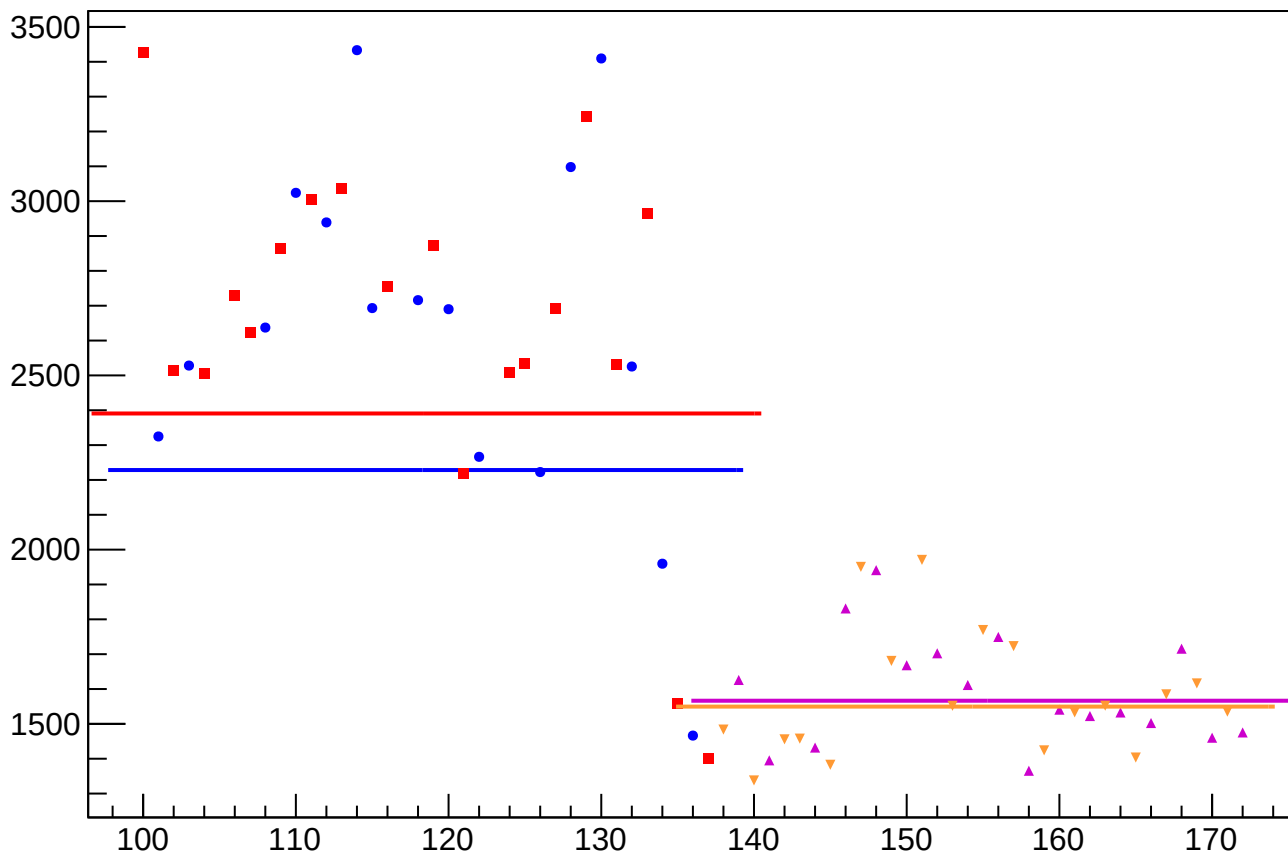
Left In: -47.537 $\pm$ 420.904 χ^2/NDF : 30.2/16

+ sign -1108.408 $\pm$ 372.807 χ^2/NDF : 50.8/33

All: -630.601 $\pm$ 266.608 χ^2/NDF : 98.7/69

- sign -130.457 $\pm$ 381.422 χ^2/NDF : 44.6/35

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

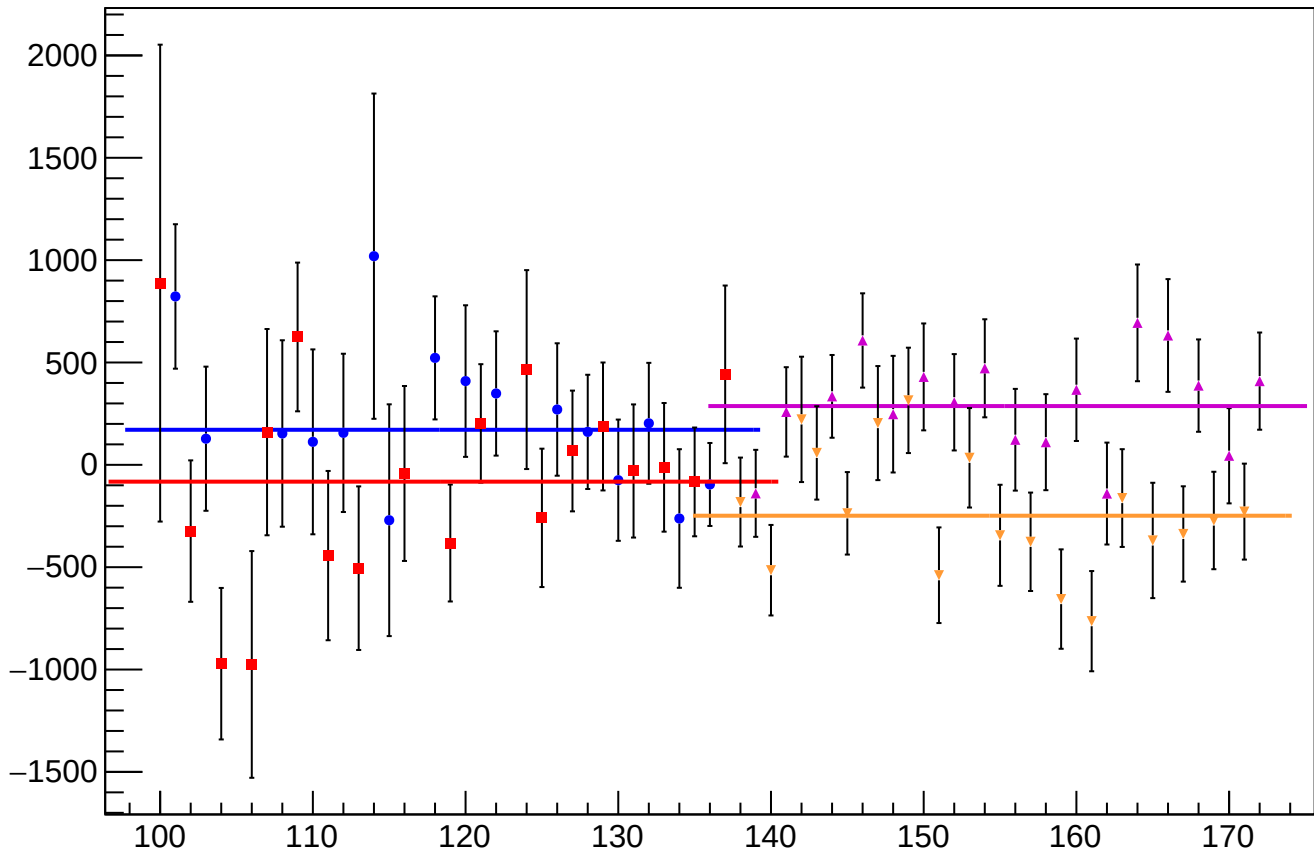
Left In: 1566.427 ± 0.298 χ^2/NDF : 251565.2/16

+ sign 1677.404 ± 0.264 χ^2/NDF : 2268265.0/33

All: 1695.195 ± 0.189 χ^2/NDF : 4690744.1/69

- sign 1713.818 ± 0.270 χ^2/NDF : 2413156.6/35

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

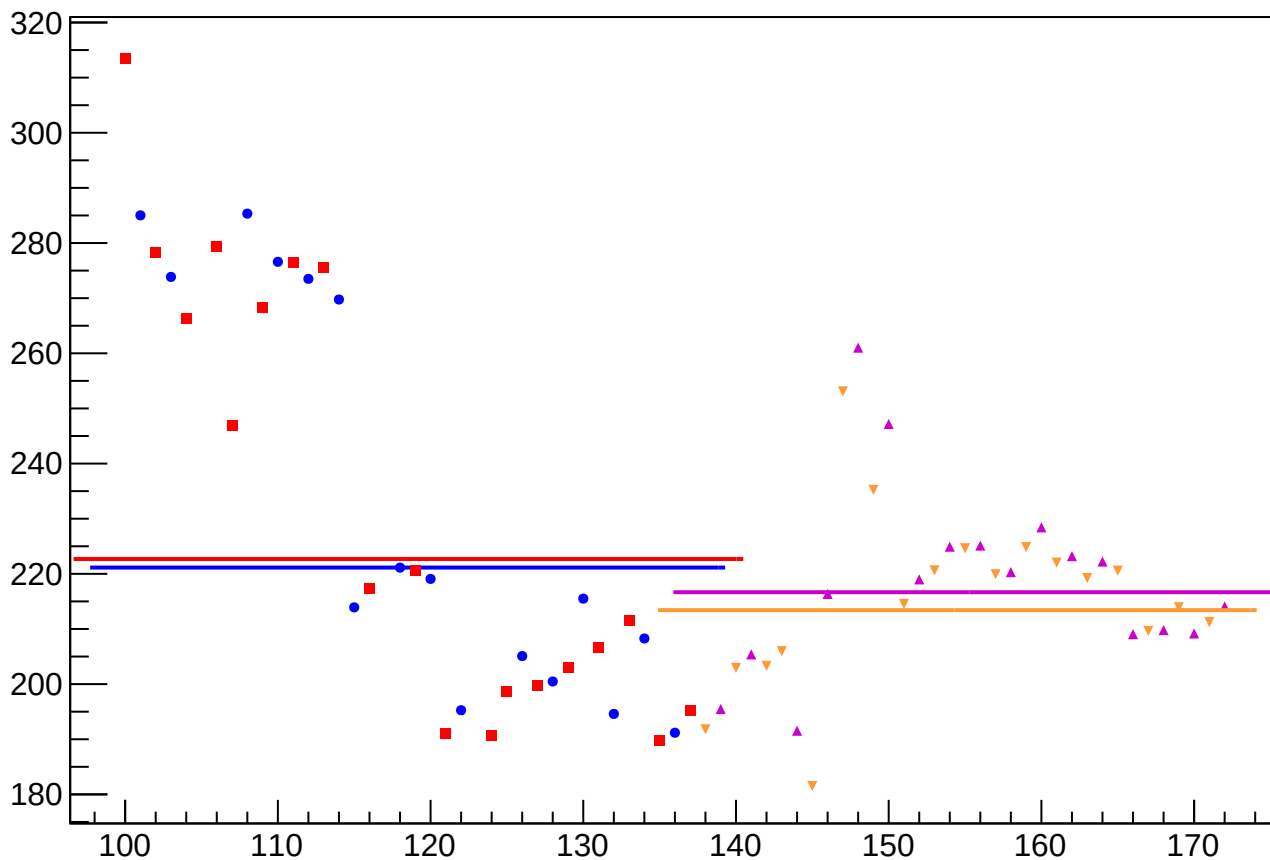
Left In: 287.111 ± 58.050 χ^2/NDF : 16.2/16

+ sign -115.265 ± 46.832 χ^2/NDF : 53.1/33

All: 22.891 ± 33.343 χ^2/NDF : 121.9/69

- sign 164.918 ± 47.484 χ^2/NDF : 51.2/35

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.139 $\pm$ 0.059 χ^2 /NDF: 318702.0/15

Left Out: 213.417 $\pm$ 0.040 χ^2 /NDF:151119.3/17

Right Out: 222.697 $\pm$ 0.058 χ^2 /NDF: 327032.3/18

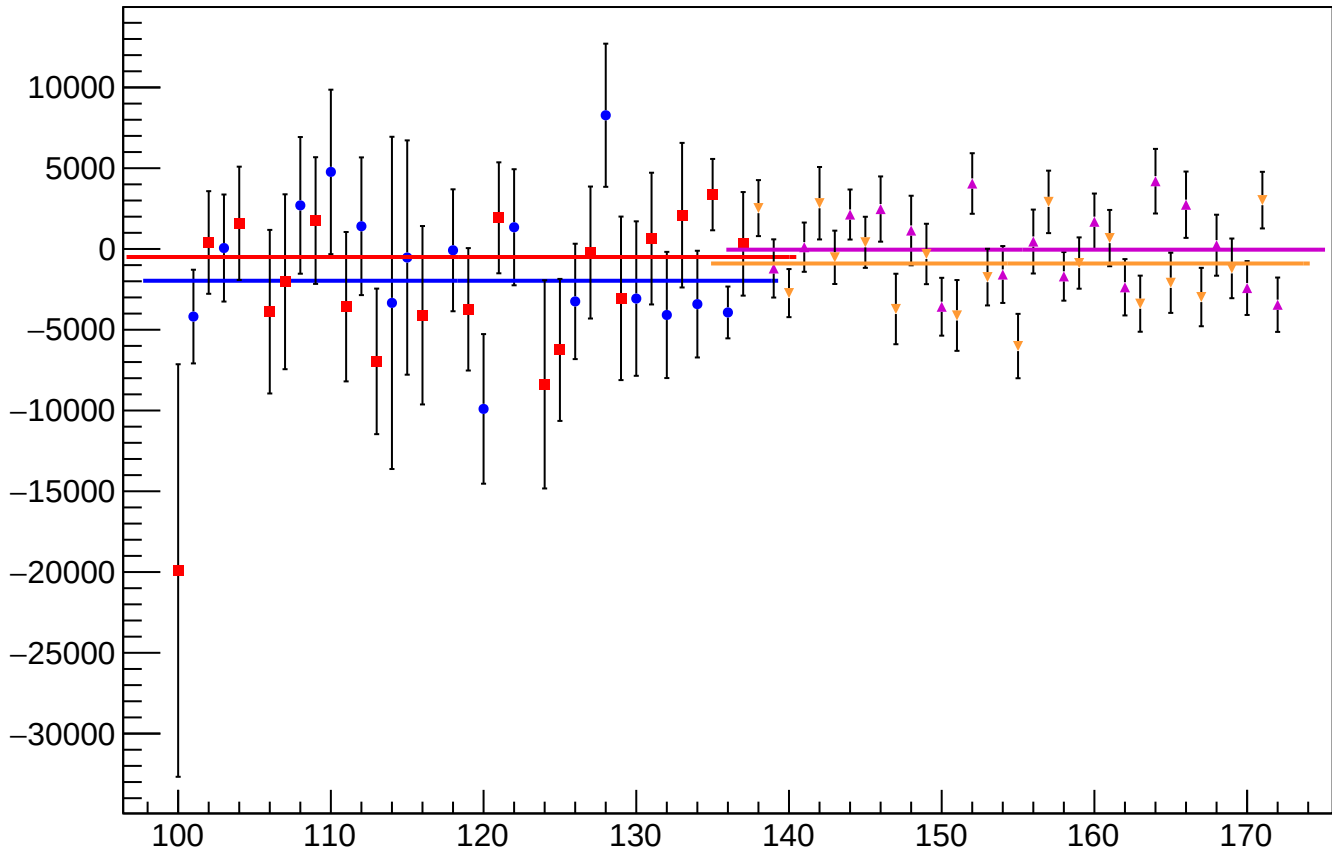
Left In: 216.670 $\pm$ 0.041 χ^2 /NDF:149490.6/16

+ sign 215.869 $\pm$ 0.033 χ^2 /NDF: 481603.3/33

All: 217.247 $\pm$ 0.024 χ^2 /NDF: 968775.3/69

- sign 218.665 $\pm$ 0.034 χ^2 /NDF: 483657.0/35

asym_sam_26_dd_dit_correction_mean vs Slug



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

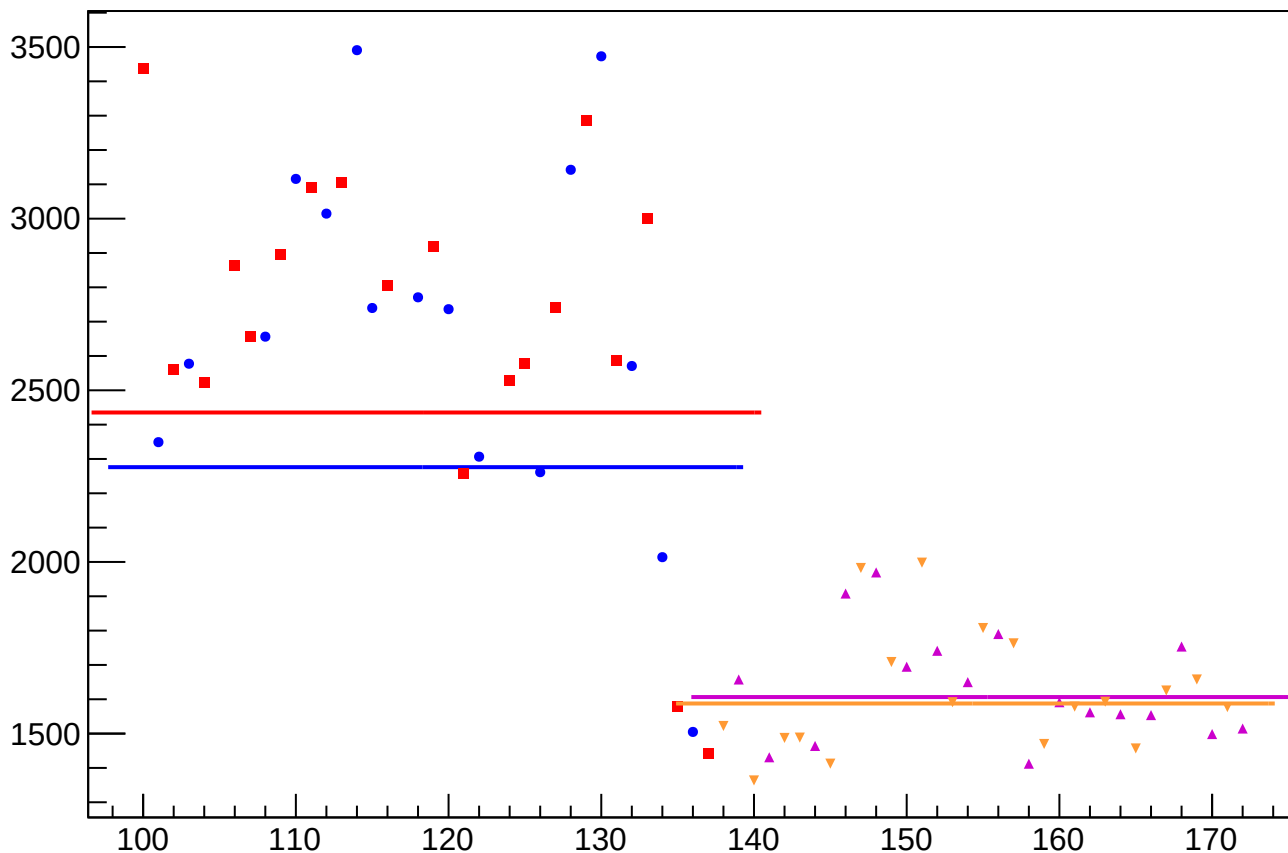
Left In: -43.614 ± 431.538 χ^2/NDF : 30.2/16

+ sign -1101.526 ± 381.529 χ^2/NDF : 50.6/33

All: -624.930 ± 272.826 χ^2/NDF : 98.9/69

- sign -126.198 ± 390.289 χ^2/NDF : 45.2/35

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2276.134 $\pm$ 0.620 χ^2 /NDF: 926982.8/15

Left Out: 1587.665 $\pm$ 0.300 χ^2 /NDF: 293479.8/17

Right Out: 2435.354 $\pm$ 0.647 χ^2 /NDF: 791515.5/18

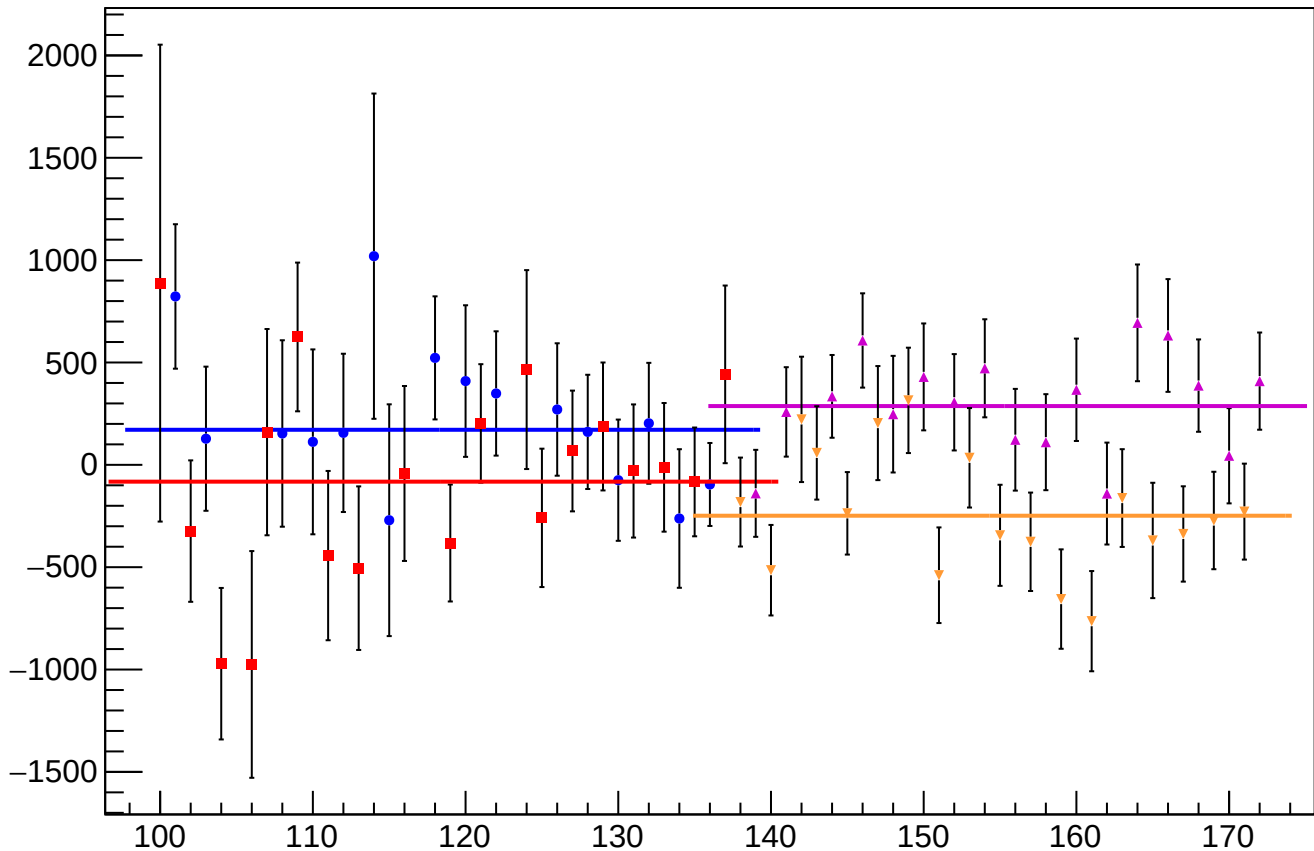
Left In: 1606.450 $\pm$ 0.305 χ^2 /NDF: 243827.4/16

+ sign 1718.080 $\pm$ 0.270 χ^2 /NDF: 2220413.0/33

All: 1737.265 $\pm$ 0.193 χ^2 /NDF: 4609362.3/69

- sign 1757.341 $\pm$ 0.276 χ^2 /NDF: 2378600.4/35

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 171.260 $\pm$ 83.115 χ^2 /NDF: 11.5/15

Left Out: -248.549 $\pm$ 56.688 χ^2 /NDF:24.2/17

Right Out: -82.150 $\pm$ 82.545 χ^2 /NDF: 21.6/18

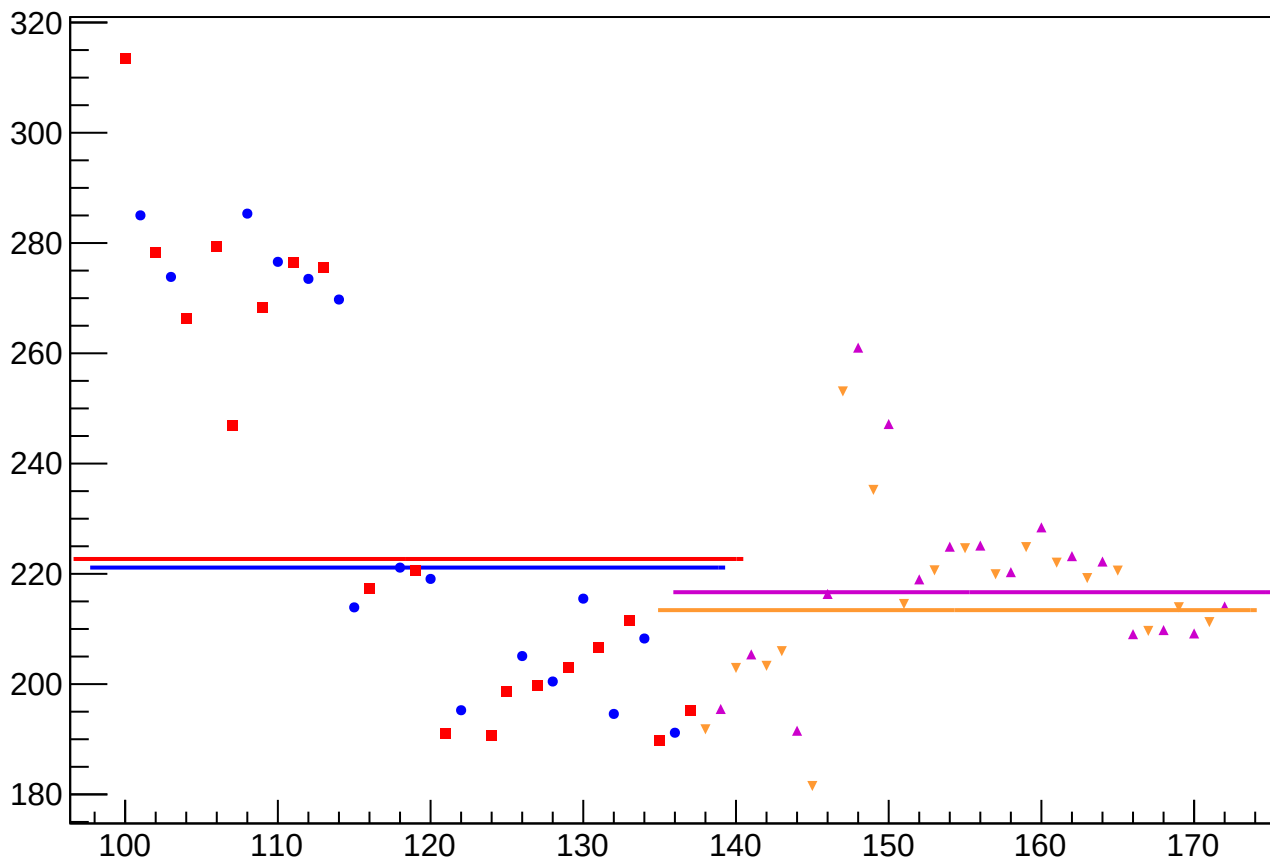
Left In: 287.113 $\pm$ 58.050 χ^2 /NDF:16.2/16

+ sign -115.265 $\pm$ 46.832 χ^2 /NDF: 53.1/33

All: 22.891 $\pm$ 33.343 χ^2 /NDF: 121.9/69

- sign 164.920 $\pm$ 47.484 χ^2 /NDF: 51.2/35

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.138 $\pm$ 0.059 χ^2 /NDF: 318696.9/15

Left Out: 213.417 $\pm$ 0.040 χ^2 /NDF:151123.4/17

Right Out: 222.696 $\pm$ 0.058 χ^2 /NDF: 327025.2/18

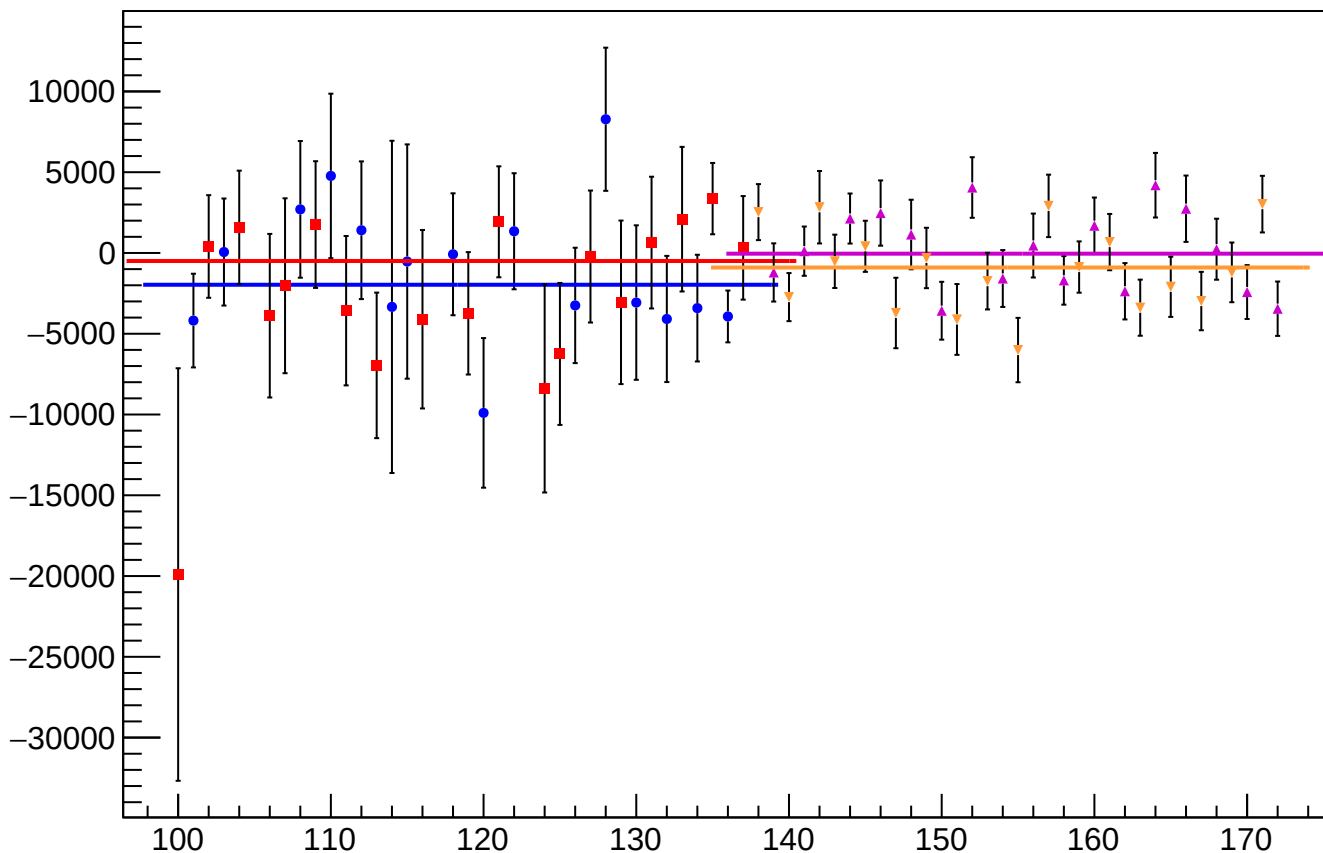
Left In: 216.670 $\pm$ 0.041 χ^2 /NDF:149493.2/16

+ sign 215.868 $\pm$ 0.033 χ^2 /NDF: 481599.3/33

All: 217.247 $\pm$ 0.024 χ^2 /NDF: 968765.2/69

- sign 218.664 $\pm$ 0.034 χ^2 /NDF: 483650.9/35

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



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

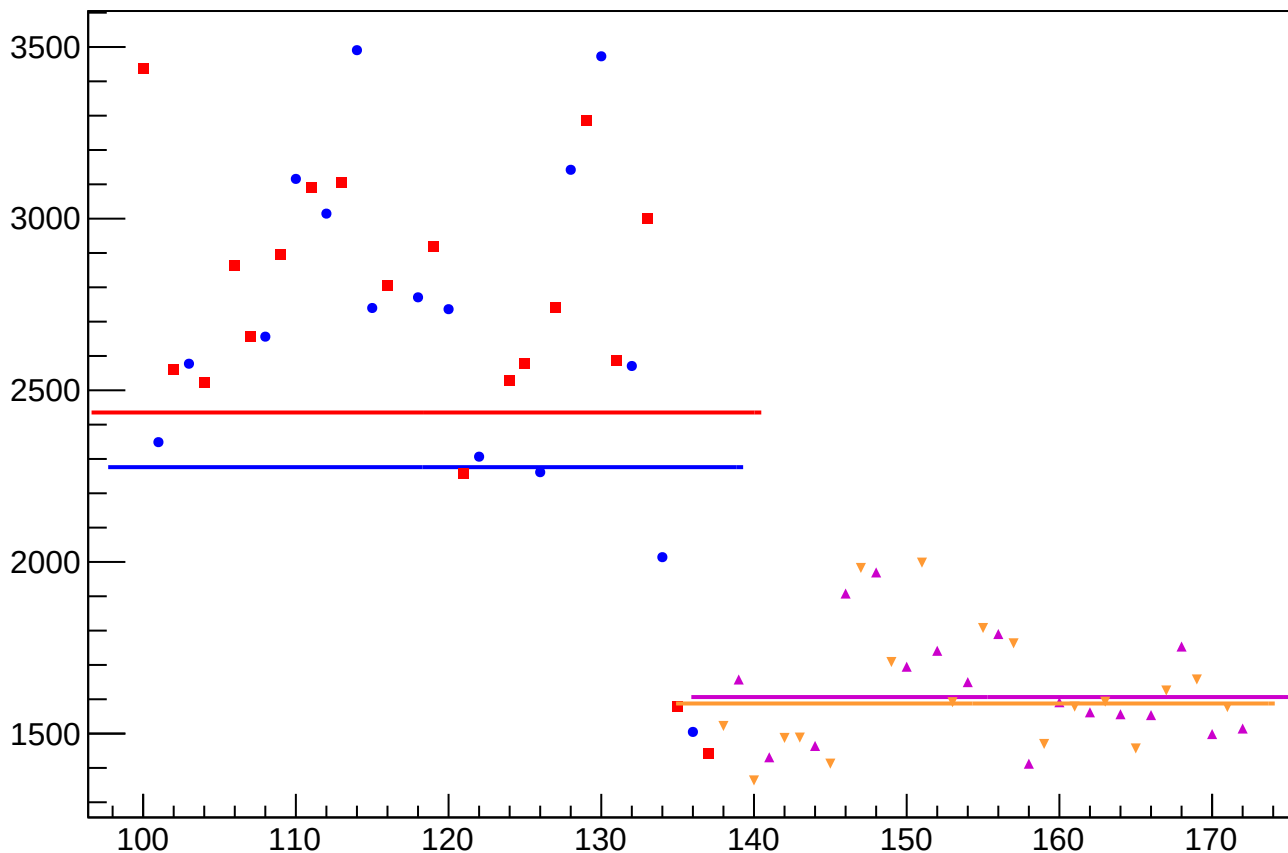
Left In: -43.614 ± 431.538 χ^2/NDF : 30.2/16

+ sign -1101.526 ± 381.529 χ^2/NDF : 50.6/33

All: -624.930 ± 272.826 χ^2/NDF : 98.9/69

- sign -126.199 ± 390.289 χ^2/NDF : 45.2/35

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2276.132 $\pm$ 0.620 χ^2 /NDF: 926973.2/15

Left Out: 1587.665 $\pm$ 0.300 χ^2 /NDF: 293482.9/17

Right Out: 2435.351 $\pm$ 0.647 χ^2 /NDF: 791509.5/18

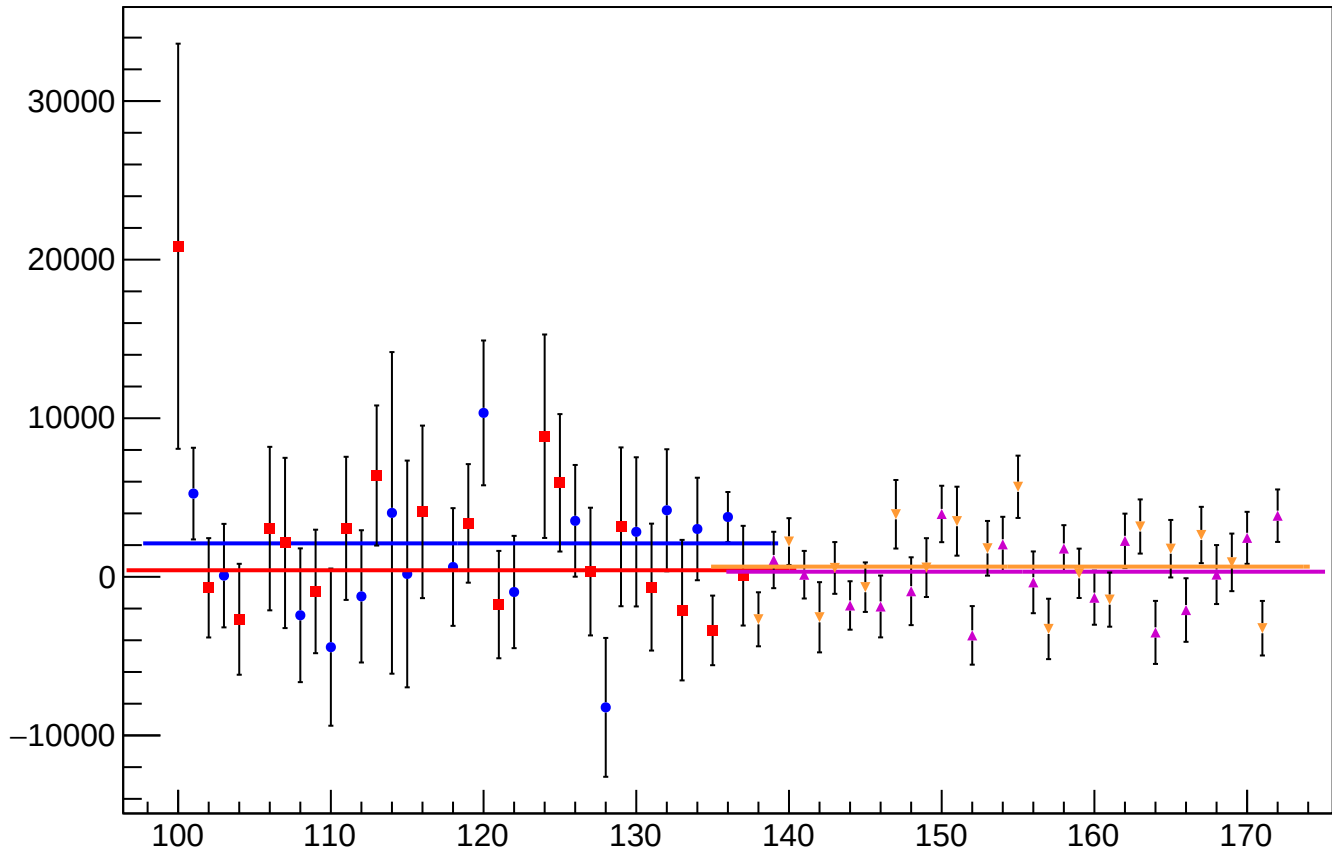
Left In: 1606.450 $\pm$ 0.305 χ^2 /NDF: 243829.1/16

+ sign 1718.080 $\pm$ 0.270 χ^2 /NDF: 2220402.0/33

All: 1737.265 $\pm$ 0.193 χ^2 /NDF: 4609339.7/69

- sign 1757.341 $\pm$ 0.276 χ^2 /NDF: 2378588.7/35

asym_sam_26_dd_mean vs Slug



Right In: 2109.537 $\pm$ 863.291 χ^2 /NDF: 16.6/15

Left Out: 642.850 $\pm$ 417.286 χ^2 /NDF: 33.6/17

Right Out: 414.095 $\pm$ 904.414 χ^2 /NDF: 14.7/18

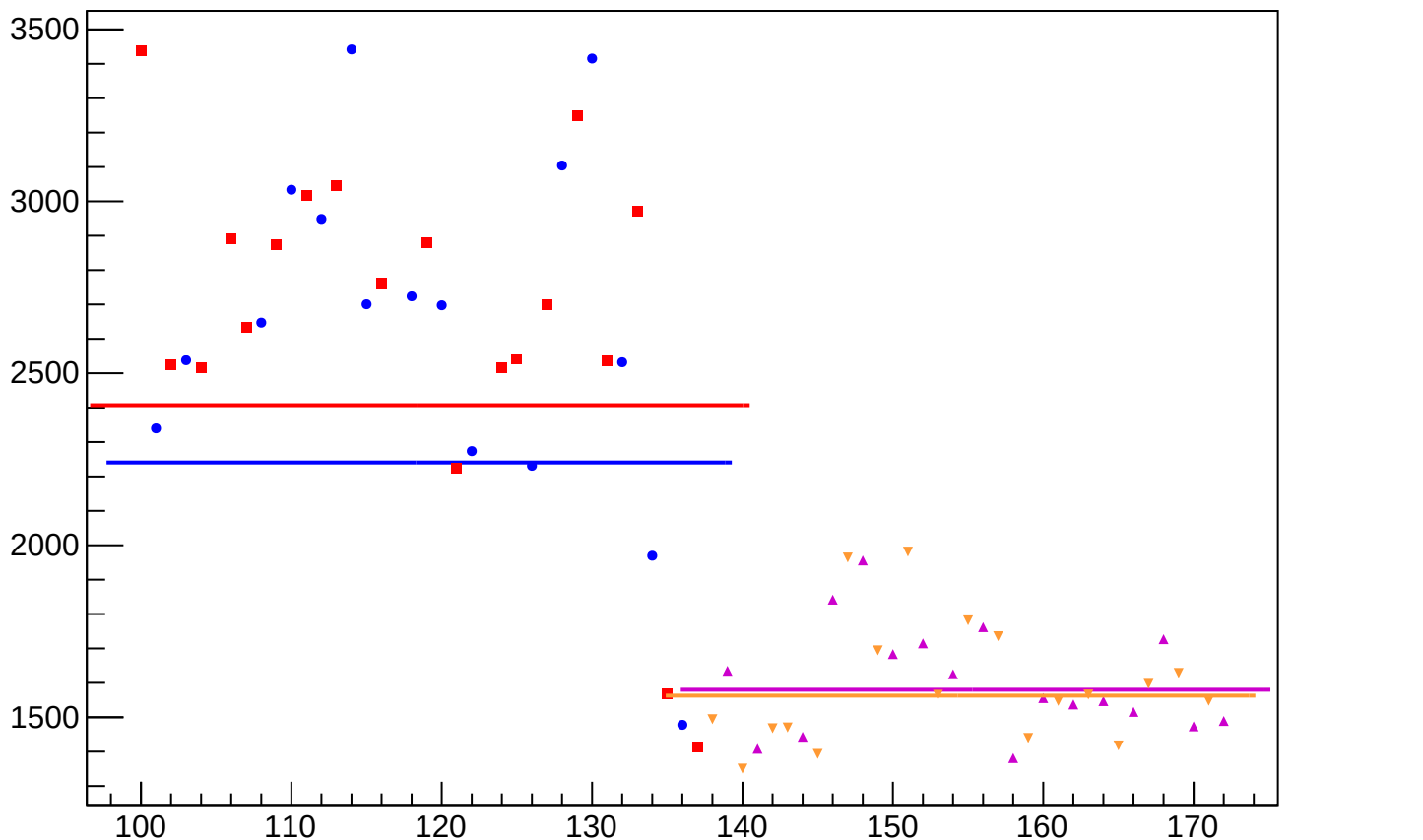
Left In: 322.411 $\pm$ 424.489 χ^2 /NDF: 28.4/16

+ sign 920.631 $\pm$ 375.698 χ^2 /NDF: 52.6/33

All: 636.355 $\pm$ 268.637 χ^2 /NDF: 96.8/69

- sign 338.962 $\pm$ 384.268 χ^2 /NDF: 43.0/35

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

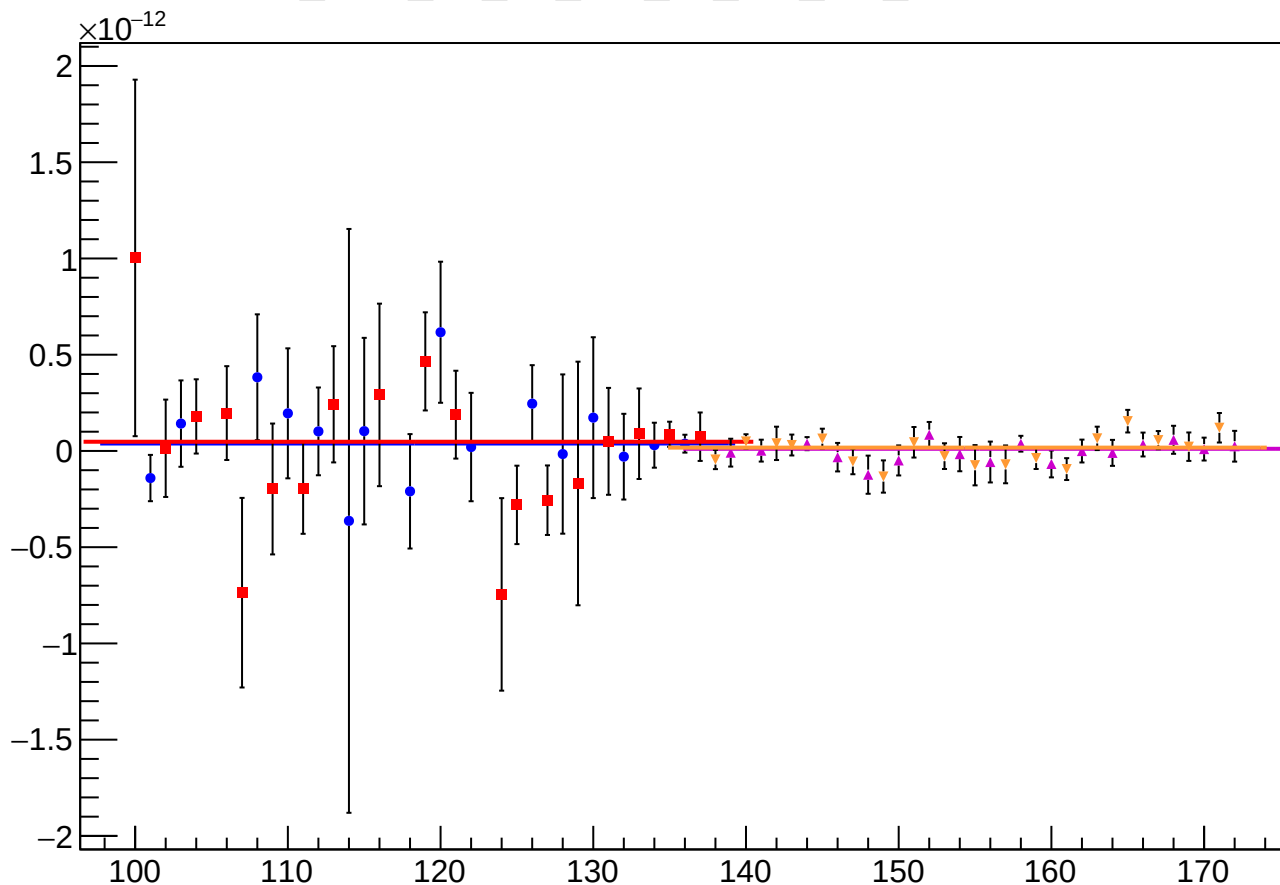
Left In: 1580.022+/-0.300 χ^2/NDF : 245881.8/16

+ sign 1691.237+/-0.266 χ^2/NDF : 2234522.4/33

All: 1709.856+/-0.190 χ^2/NDF : 4650156.0/69

- sign 1729.333+/-0.272 χ^2/NDF : 2405583.3/35

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.2/18

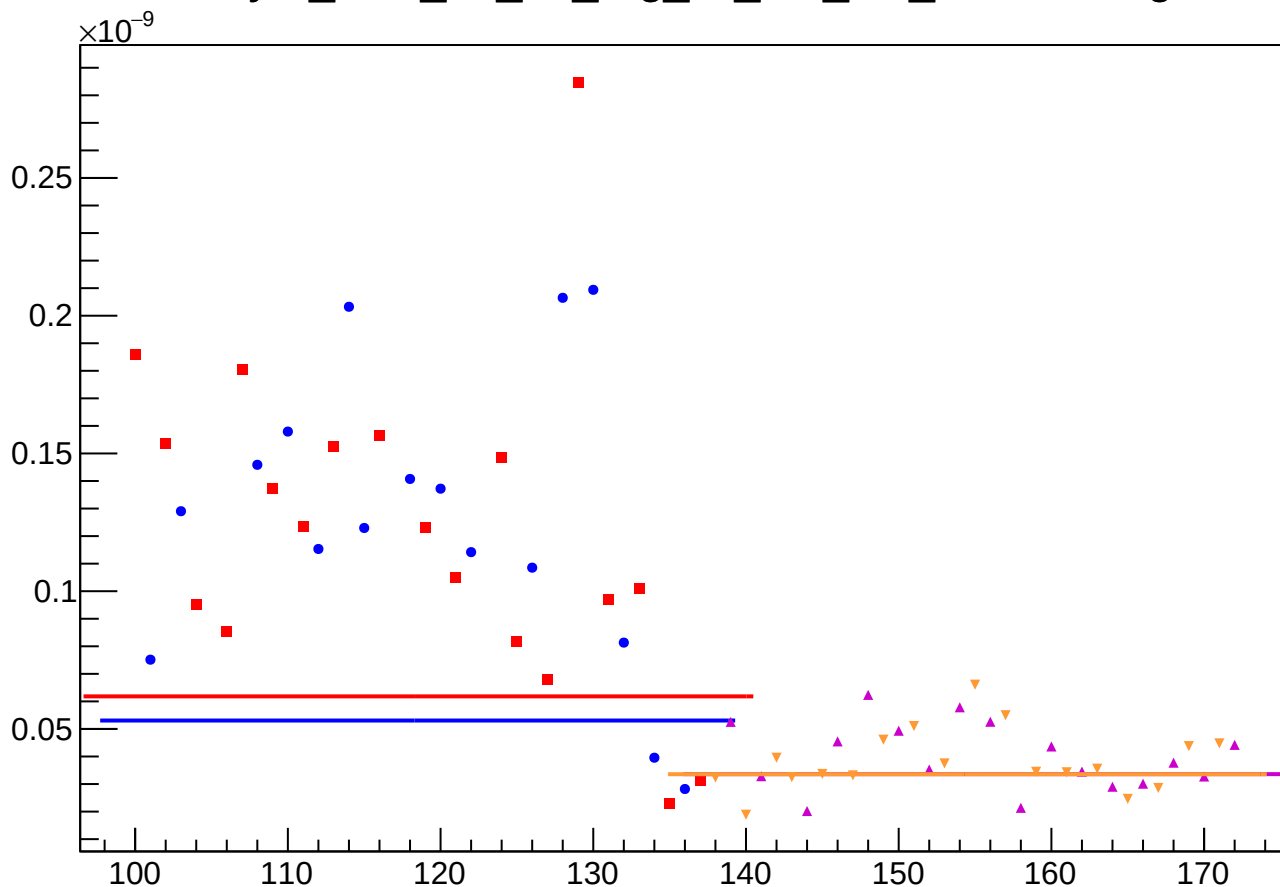
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.8/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 58.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/35

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



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

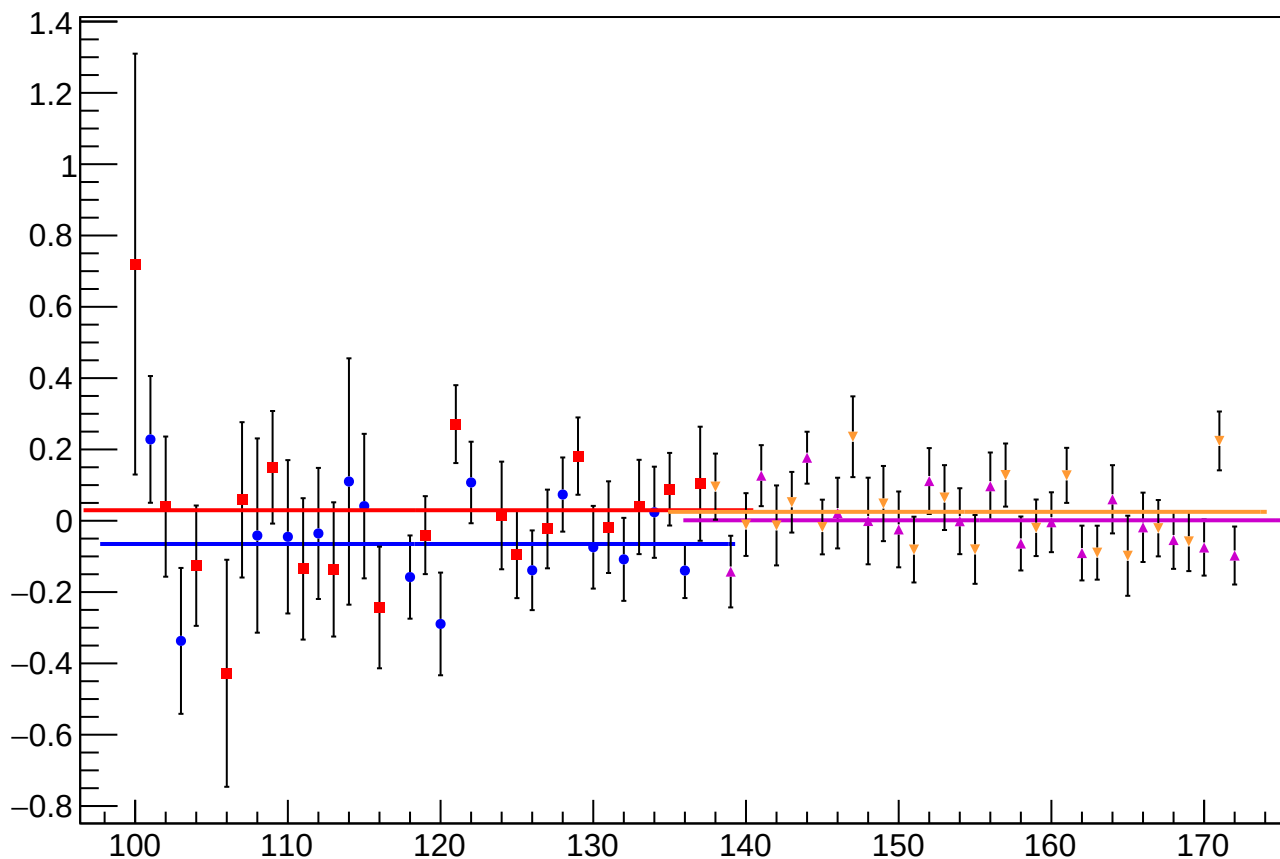
Left In: 0.000+/-0.000 χ^2/NDF : 1240664.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 3982900.4/33

All: 0.000+/-0.000 χ^2/NDF : 8398133.8/69

- sign 0.000+/-0.000 χ^2/NDF : 4414246.1/35

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

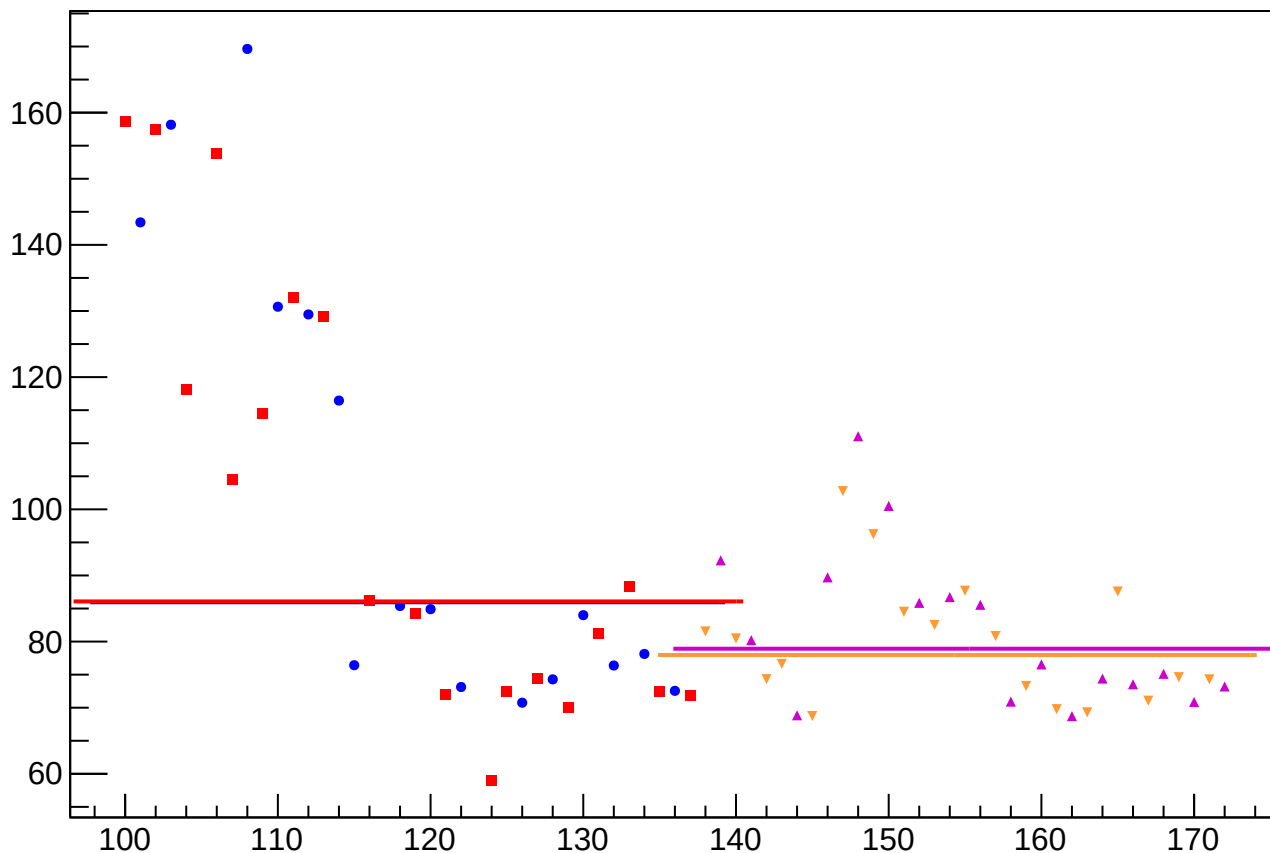
Left In: 0.001 ± 0.021 χ^2/NDF : 18.0/16

+ sign -0.000 ± 0.018 χ^2/NDF : 41.0/33

All: 0.005 ± 0.013 χ^2/NDF : 77.8/69

- sign 0.010 ± 0.018 χ^2/NDF : 36.6/35

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 85.946 ± 0.024 $\chi^2/\text{NDF}: 1035004.5/15$

Left Out: 77.966 ± 0.015 $\chi^2/\text{NDF}: 322505.4/17$

Right Out: 86.073 ± 0.023 $\chi^2/\text{NDF}: 991371.4/18$

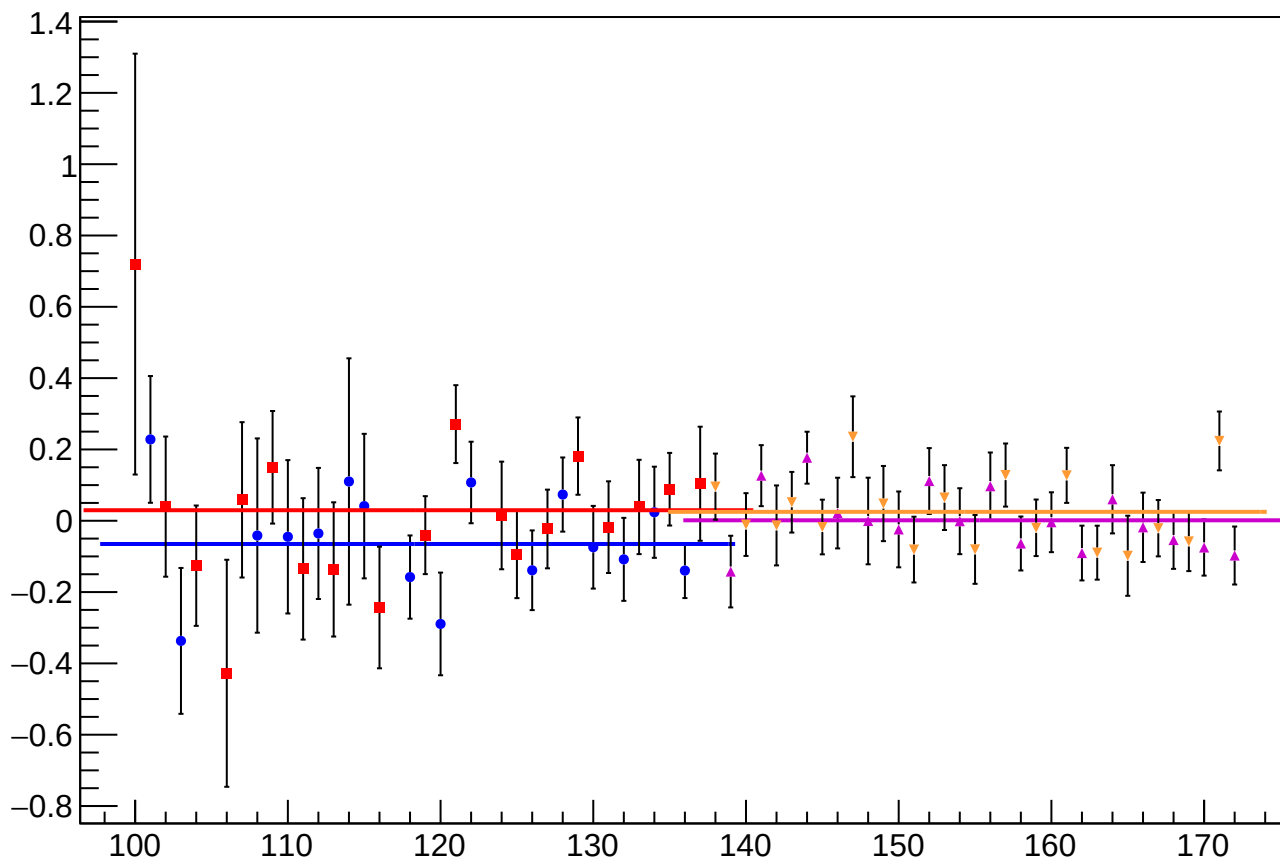
Left In: 78.921 ± 0.015 $\chi^2/\text{NDF}: 460549.2/16$

+ sign 80.208 ± 0.012 $\chi^2/\text{NDF}: 1440044.1/33$

All: 80.615 ± 0.009 $\chi^2/\text{NDF}: 2960452.9/69$

- sign 81.034 ± 0.013 $\chi^2/\text{NDF}: 1518250.8/35$

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

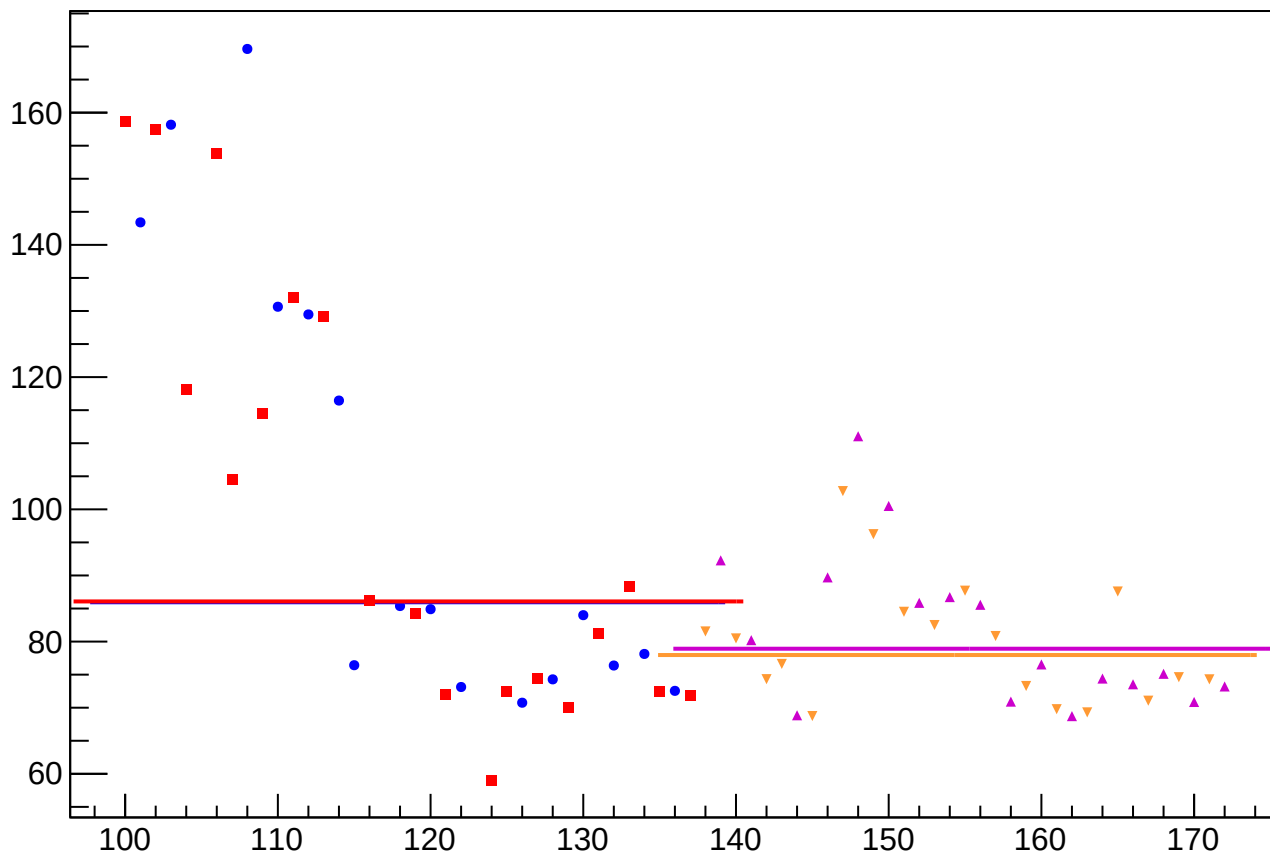
Left In: 0.001 ± 0.021 χ^2/NDF : 18.0/16

+ sign -0.000 ± 0.018 χ^2/NDF : 41.0/33

All: 0.005 ± 0.013 χ^2/NDF : 77.8/69

- sign 0.010 ± 0.018 χ^2/NDF : 36.6/35

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.946 $\pm$ 0.024 χ^2 /NDF: 1035004.5/15

Left Out: 77.966 $\pm$ 0.015 χ^2 /NDF: 322505.4/17

Right Out: 86.073 $\pm$ 0.023 χ^2 /NDF: 991371.4/18

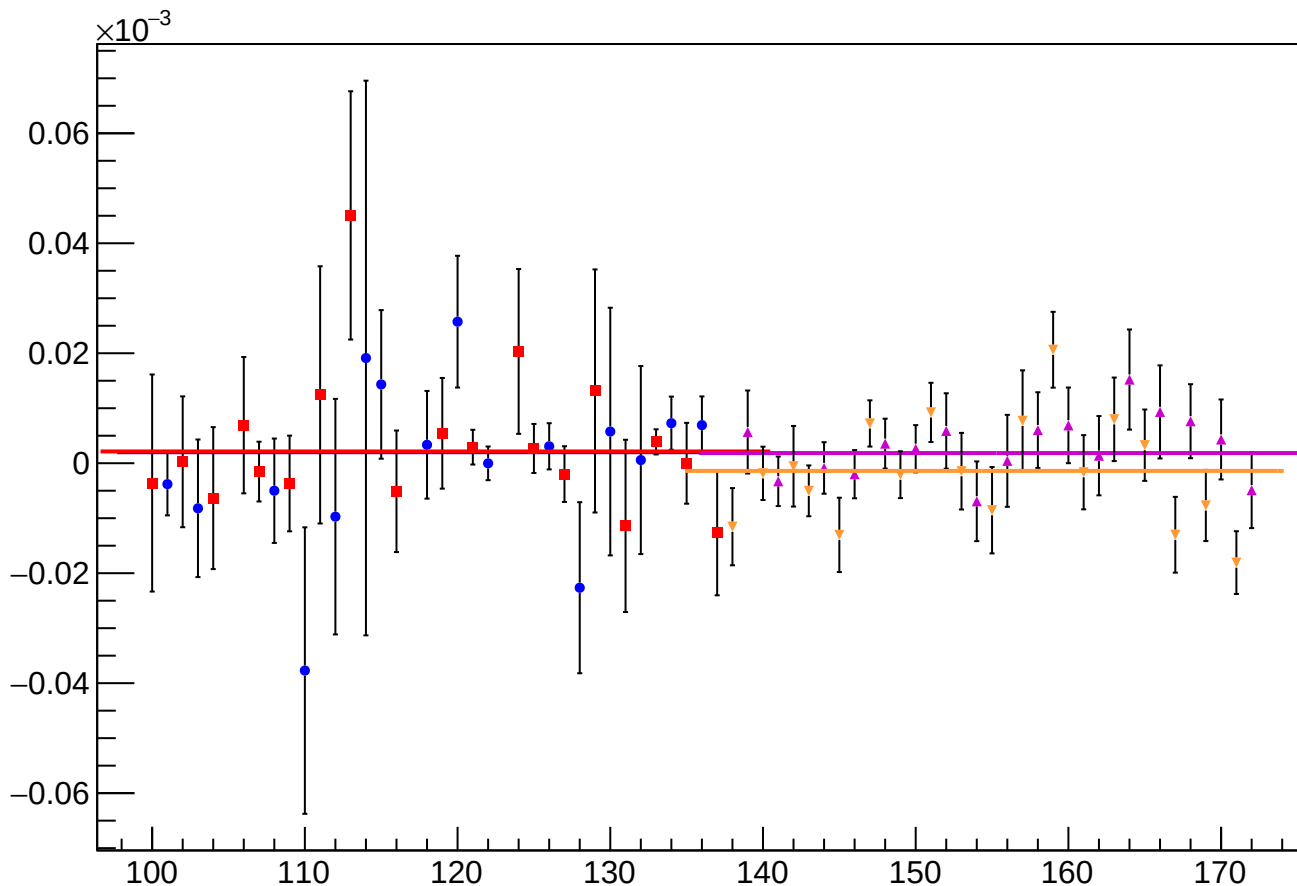
Left In: 78.921 $\pm$ 0.015 χ^2 /NDF: 460549.2/16

+ sign 80.208 $\pm$ 0.012 χ^2 /NDF: 1440044.1/33

All: 80.615 $\pm$ 0.009 χ^2 /NDF: 2960452.9/69

- sign 81.034 $\pm$ 0.013 χ^2 /NDF: 1518250.8/35

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

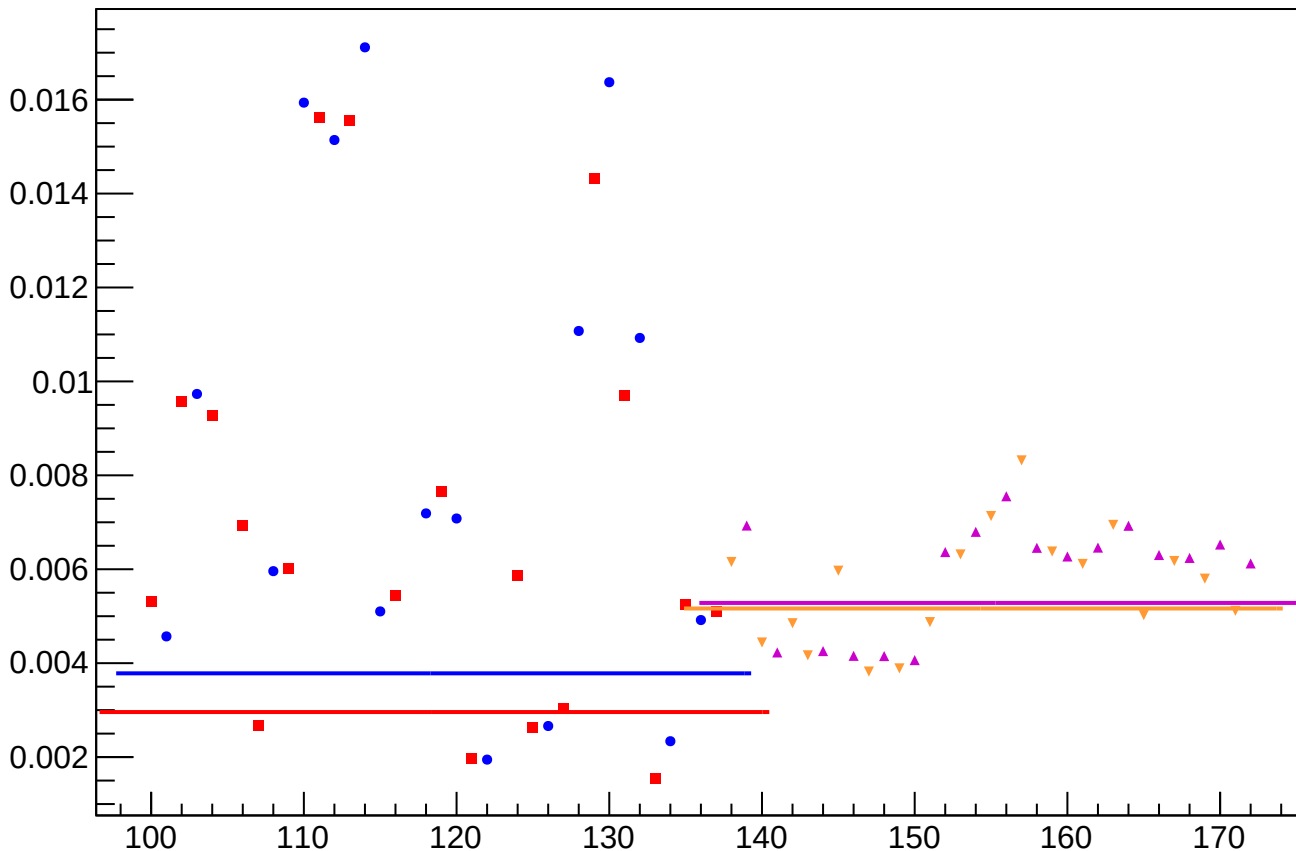
Left In: 0.000 ± 0.000 χ^2/NDF : 10.3/16

+ sign -0.000 ± 0.000 χ^2/NDF : 57.4/33

All: 0.000 ± 0.000 χ^2/NDF : 81.2/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.9/35

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 4694299.9/15

Left Out: 0.005 $\pm$ 0.000 χ^2/NDF :1290129.6/17

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 5548113.4/18

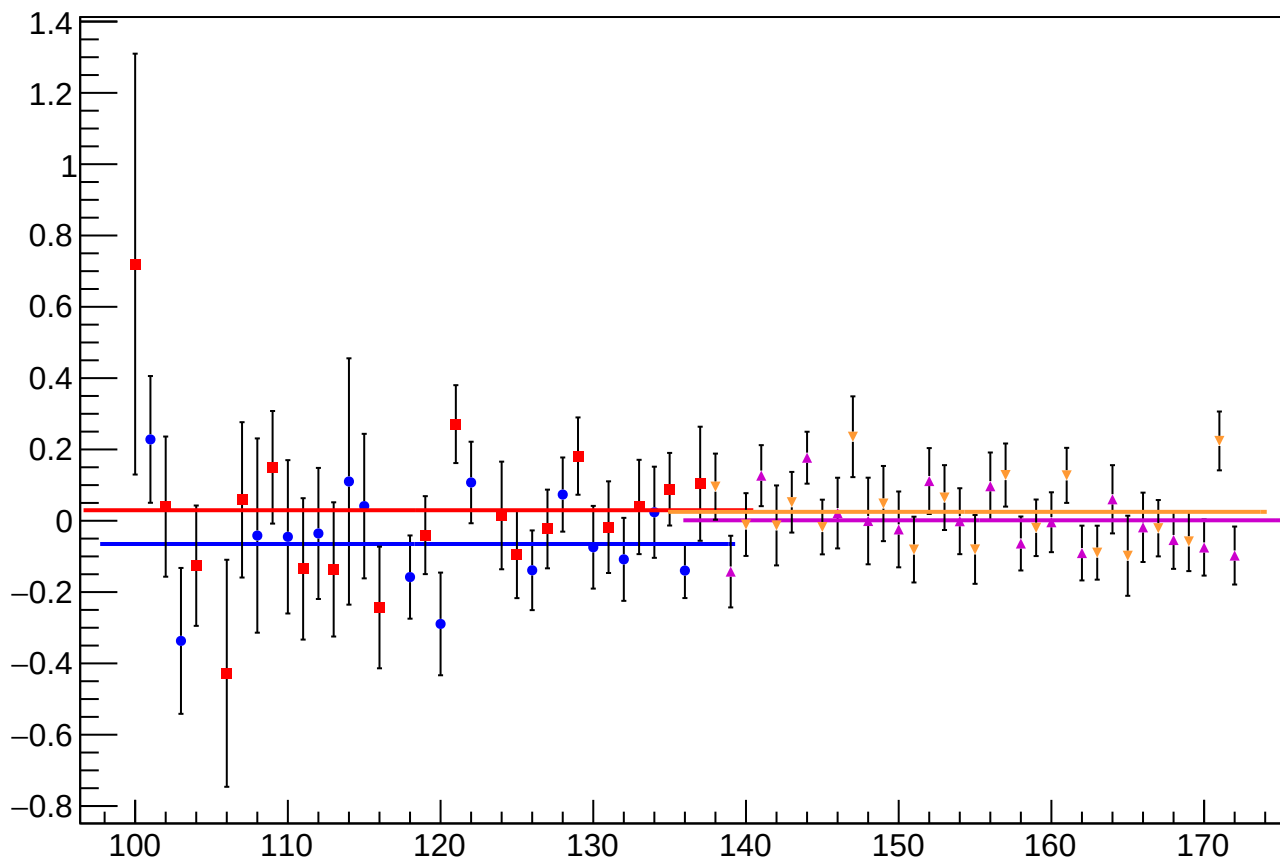
Left In: 0.005 $\pm$ 0.000 χ^2/NDF :1378411.4/16

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 6742196.9/33

All: 0.004 $\pm$ 0.000 χ^2/NDF : 16575856.0/69

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 9567239.4/35

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

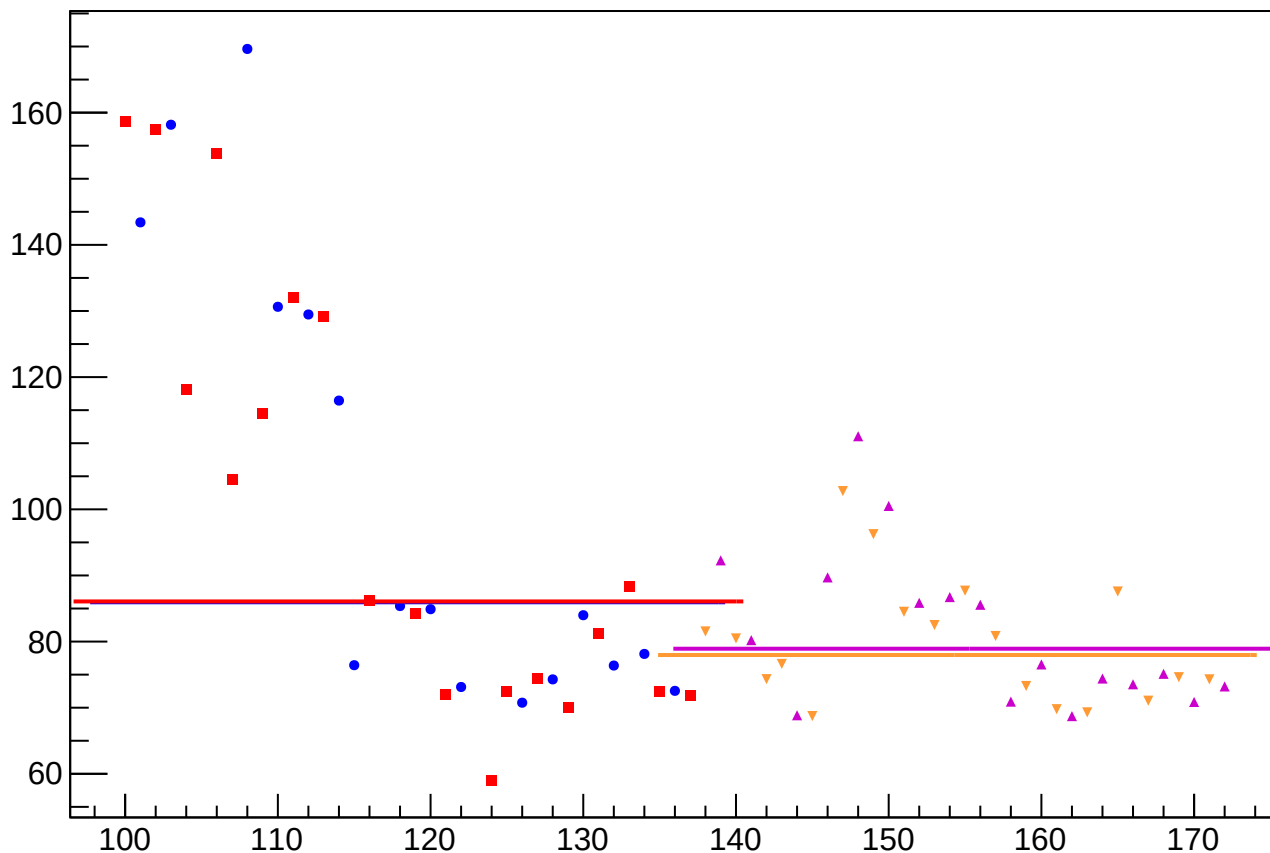
Left In: 0.001 ± 0.021 χ^2/NDF : 18.0/16

+ sign -0.000 ± 0.018 χ^2/NDF : 41.0/33

All: 0.005 ± 0.013 χ^2/NDF : 77.8/69

- sign 0.010 ± 0.018 χ^2/NDF : 36.6/35

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 85.943 $\pm$ 0.024 χ^2 /NDF: 1034986.7/15

Left Out: 77.966 $\pm$ 0.015 χ^2 /NDF: 322553.0/17

Right Out: 86.070 $\pm$ 0.023 χ^2 /NDF: 991365.2/18

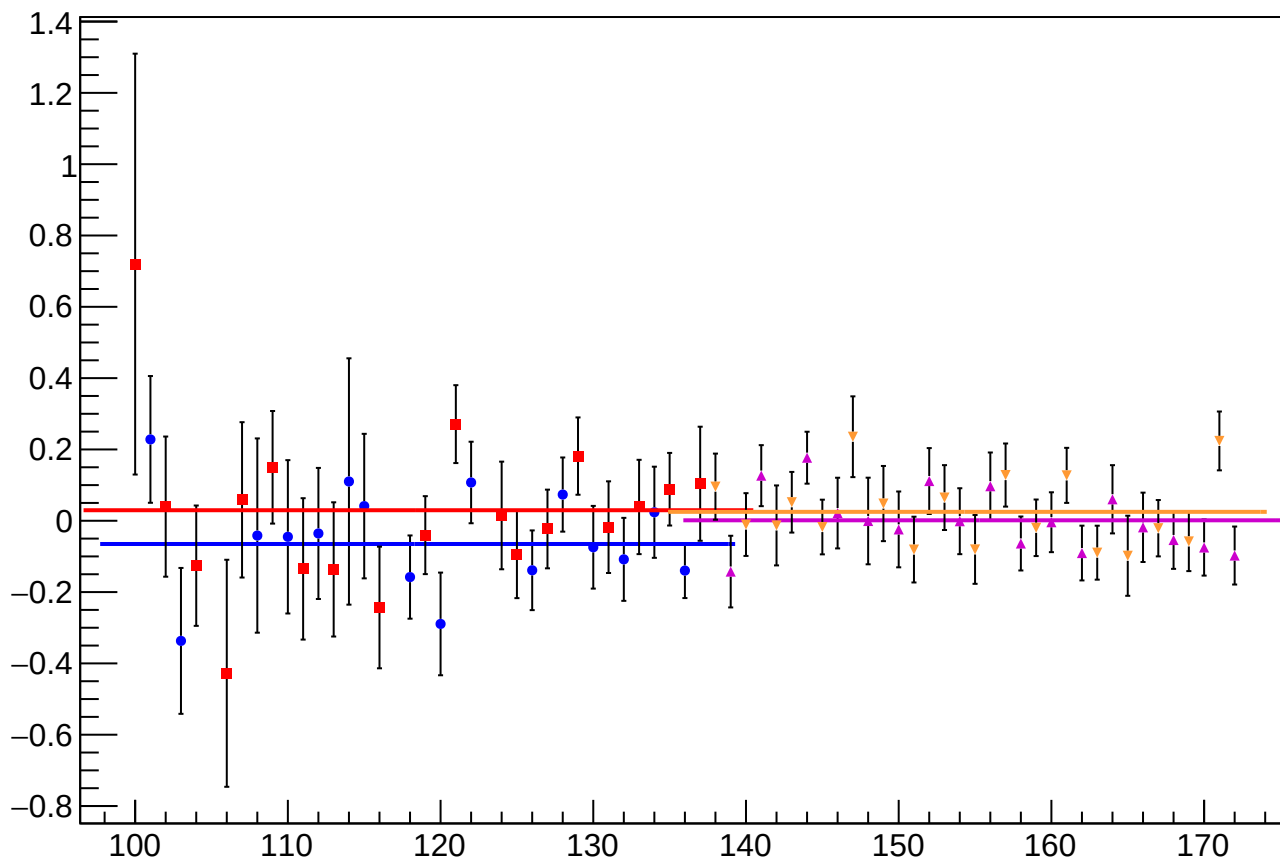
Left In: 78.920 $\pm$ 0.015 χ^2 /NDF: 460590.5/16

+ sign 80.207 $\pm$ 0.012 χ^2 /NDF: 1440039.7/33

All: 80.614 $\pm$ 0.009 χ^2 /NDF: 2960461.1/69

- sign 81.033 $\pm$ 0.013 χ^2 /NDF: 1518263.7/35

asym_sam_26_dd_eigen_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

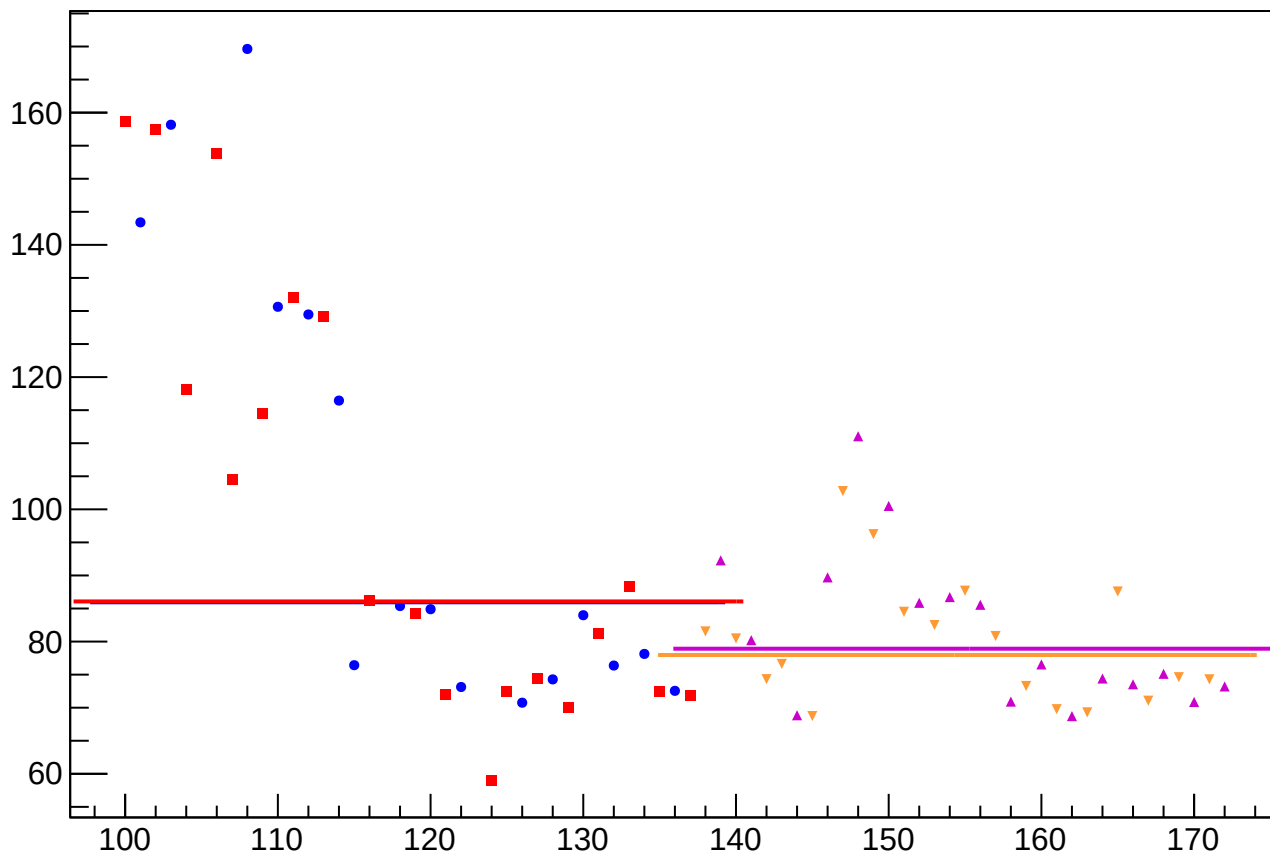
Left In: 0.001 ± 0.021 χ^2/NDF : 18.0/16

+ sign -0.000 ± 0.018 χ^2/NDF : 41.0/33

All: 0.005 ± 0.013 χ^2/NDF : 77.8/69

- sign 0.010 ± 0.018 χ^2/NDF : 36.6/35

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 85.943 $\pm$ 0.024 χ^2 /NDF: 1034986.7/15

Left Out: 77.966 $\pm$ 0.015 χ^2 /NDF: 322553.0/17

Right Out: 86.070 $\pm$ 0.023 χ^2 /NDF: 991365.2/18

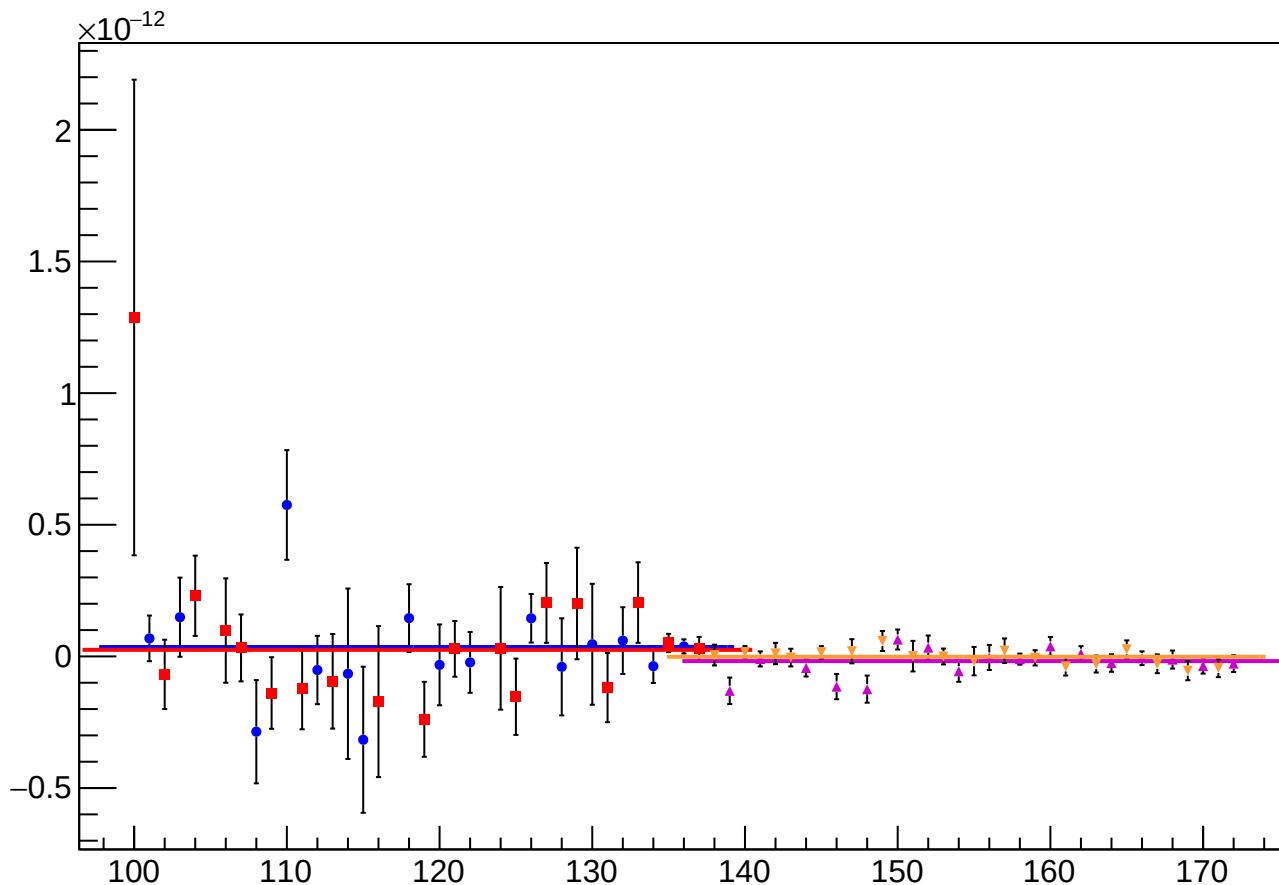
Left In: 78.920 $\pm$ 0.015 χ^2 /NDF: 460590.5/16

+ sign 80.207 $\pm$ 0.012 χ^2 /NDF: 1440039.7/33

All: 80.614 $\pm$ 0.009 χ^2 /NDF: 2960461.1/69

- sign 81.033 $\pm$ 0.013 χ^2 /NDF: 1518263.7/35

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:10.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

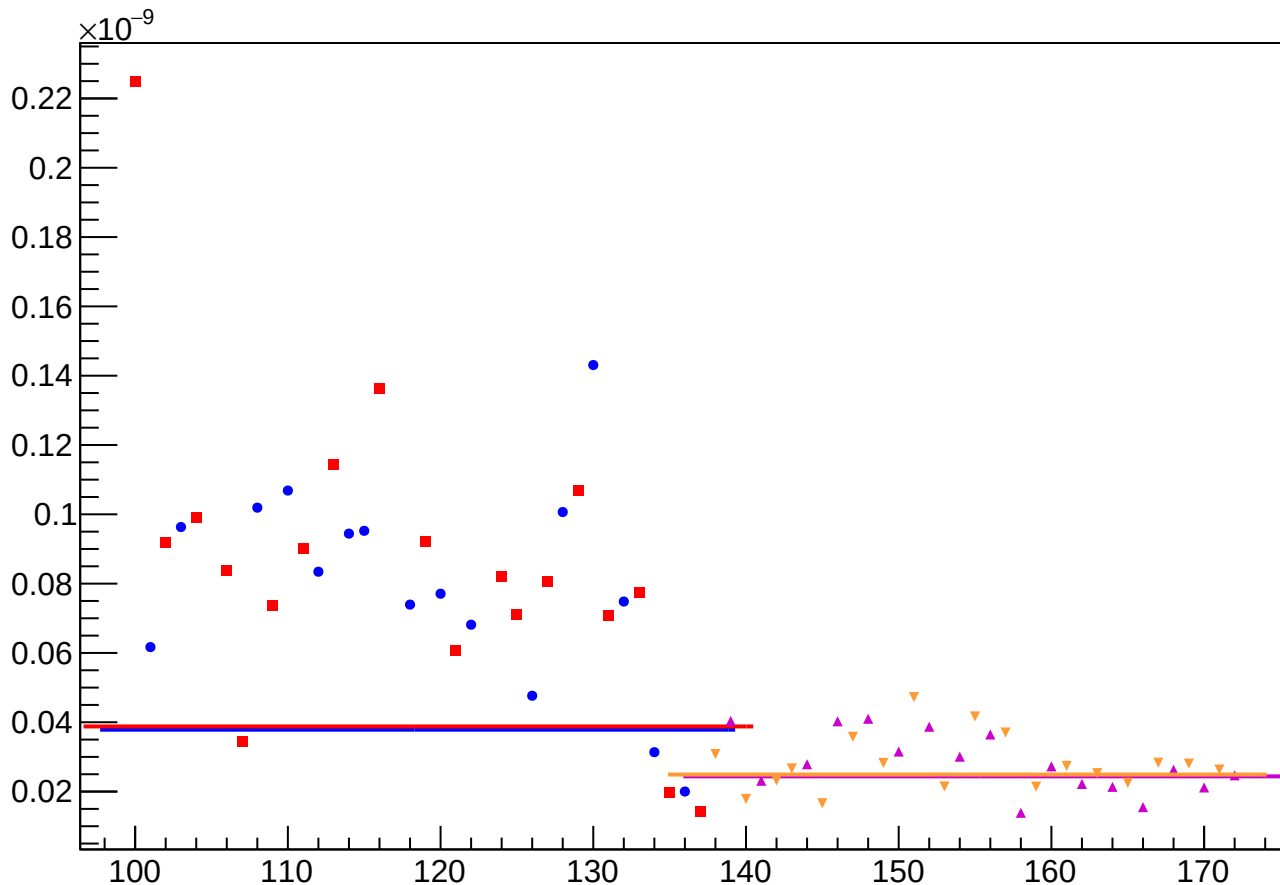
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.1/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 78.9/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.5/35

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

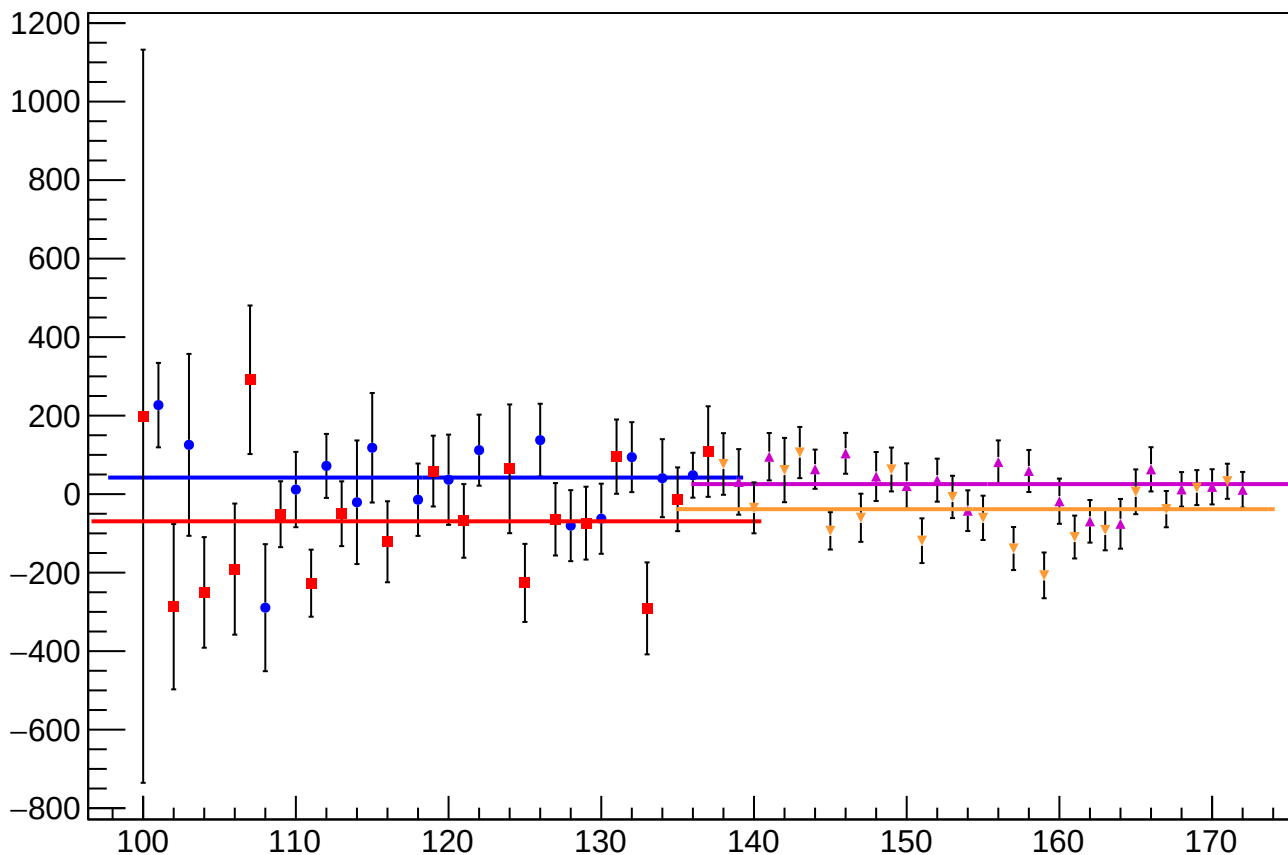
Left In: 0.000+/-0.000 χ^2/NDF :1895912.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 5499950.7/33

All: 0.000+/-0.000 χ^2/NDF : 12267239.4/69

- sign 0.000+/-0.000 χ^2/NDF : 6762156.7/35

reg_asym_sam_37_dd_mean vs Slug



Right In: 42.220 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: -38.319 $\pm$ 13.026 χ^2 /NDF: 34.9/17

Right Out: -69.249 $\pm$ 24.418 χ^2 /NDF: 25.4/18

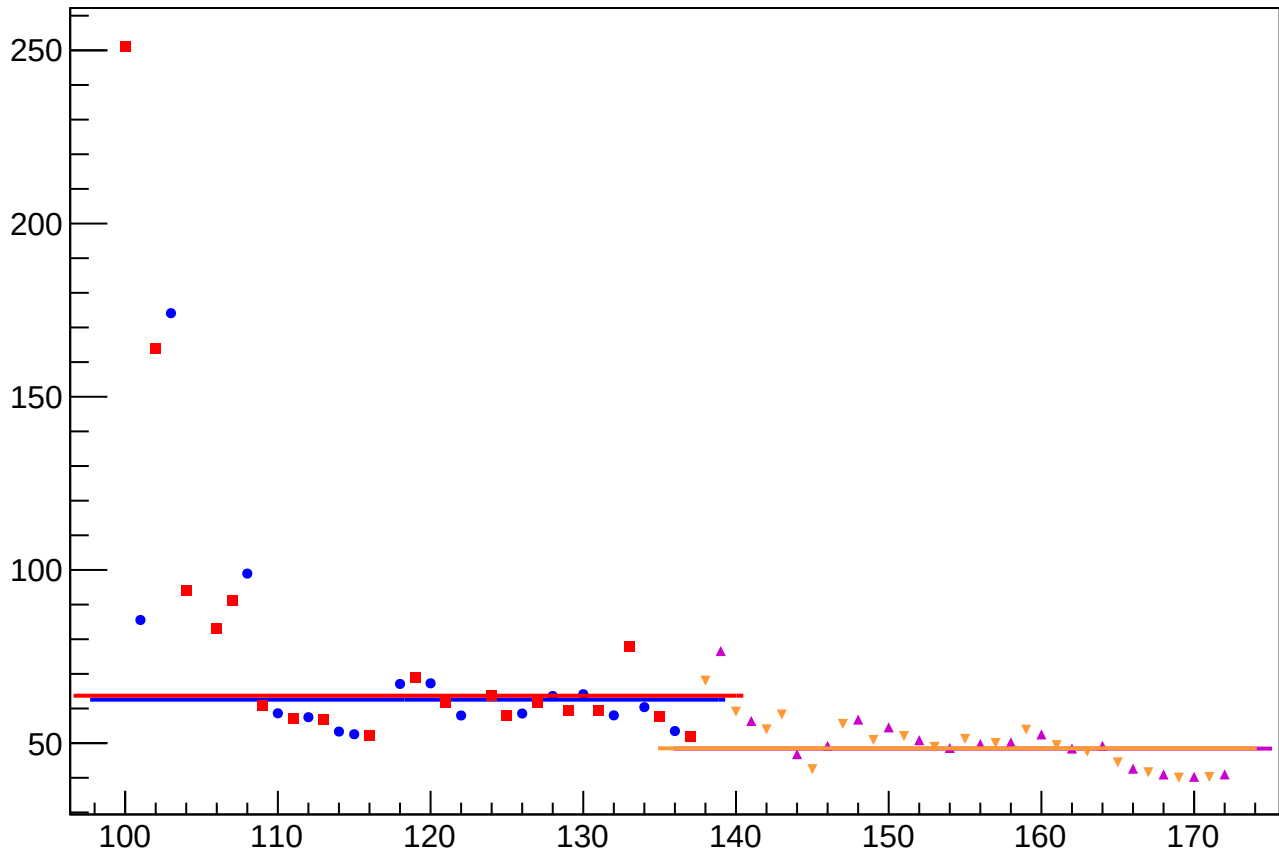
Left In: 25.532 $\pm$ 13.101 χ^2 /NDF: 14.3/16

+ sign -20.235 $\pm$ 11.471 χ^2 /NDF: 57.0/33

All: -8.024 $\pm$ 8.137 χ^2 /NDF: 110.7/69

- sign 4.345 $\pm$ 11.545 χ^2 /NDF: 51.4/35

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.566 $\pm$ 0.017 χ^2 /NDF: 758603.5/15

Left Out: 48.502 $\pm$ 0.009 χ^2 /NDF: 521309.9/17

Right Out: 63.699 $\pm$ 0.017 χ^2 /NDF: 834180.2/18

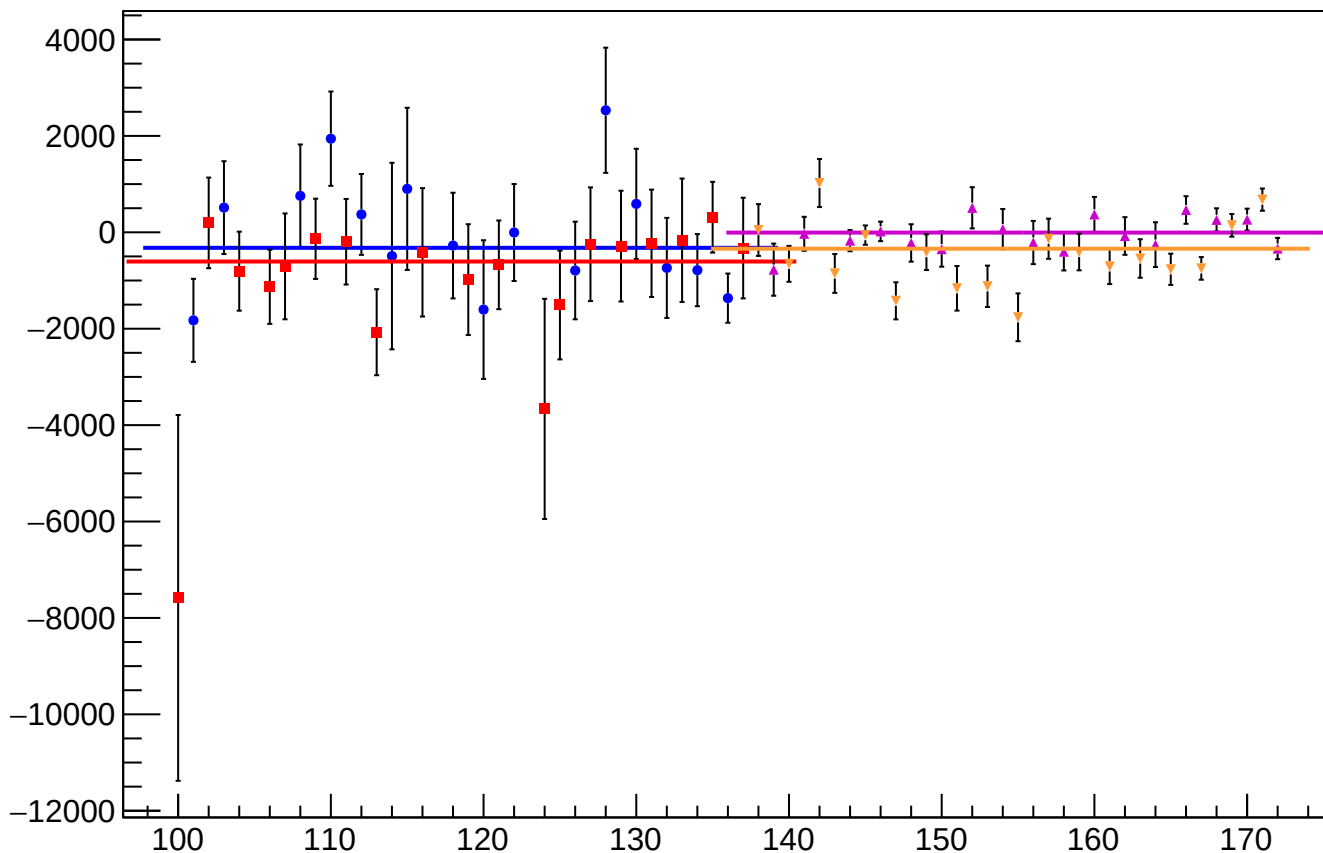
Left In: 48.428 $\pm$ 0.009 χ^2 /NDF: 539256.7/16

+ sign 51.660 $\pm$ 0.008 χ^2 /NDF: 1803408.3/33

All: 51.750 $\pm$ 0.006 χ^2 /NDF: 3784530.2/69

- sign 51.841 $\pm$ 0.008 χ^2 /NDF: 1980873.0/35

asym_sam_37_dd_reg_correction_mean vs Slug



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

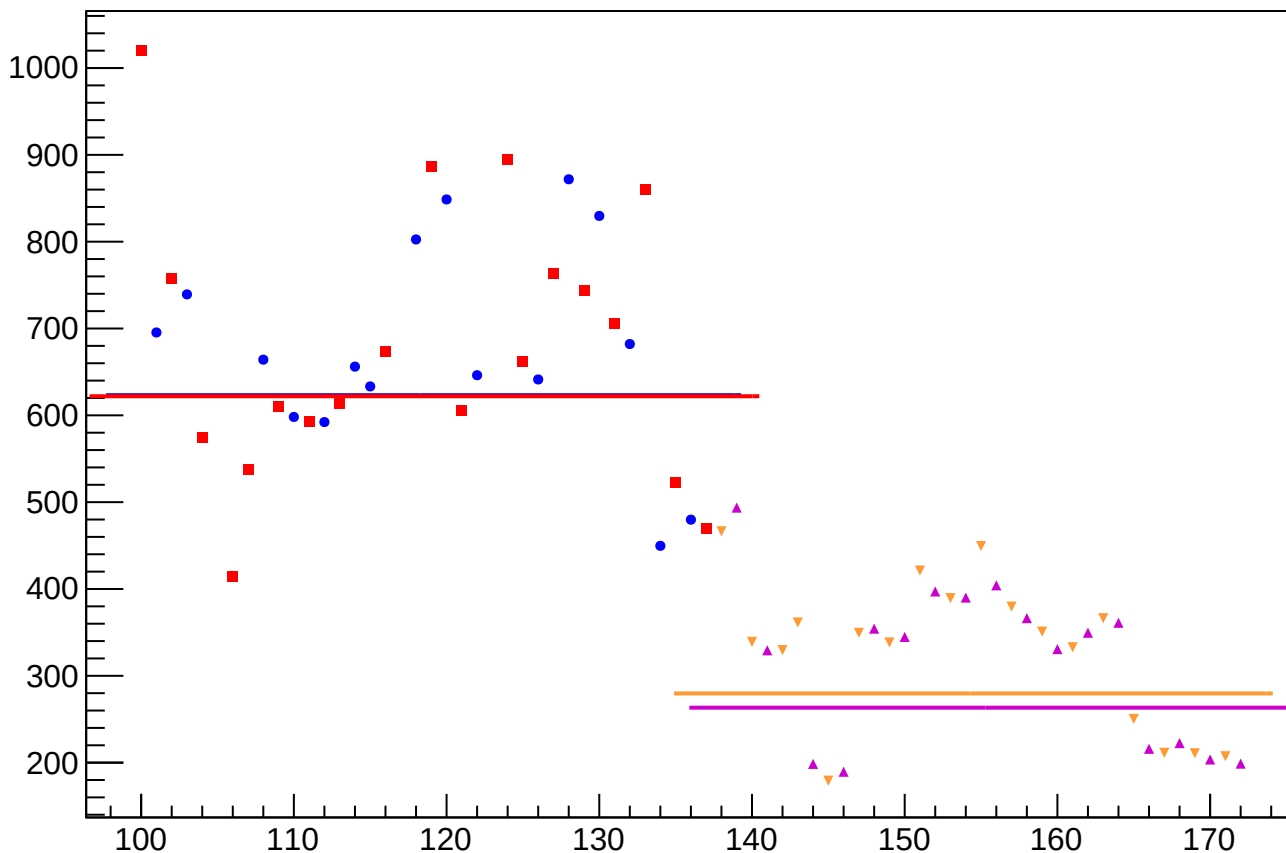
Left In: -5.636 ± 74.162 χ^2/NDF : 15.5/16

+ sign -338.444 ± 74.024 χ^2/NDF : 87.7/33

All: -193.104 ± 51.122 χ^2/NDF : 129.0/69

- sign -60.575 ± 70.687 χ^2/NDF : 34.0/35

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

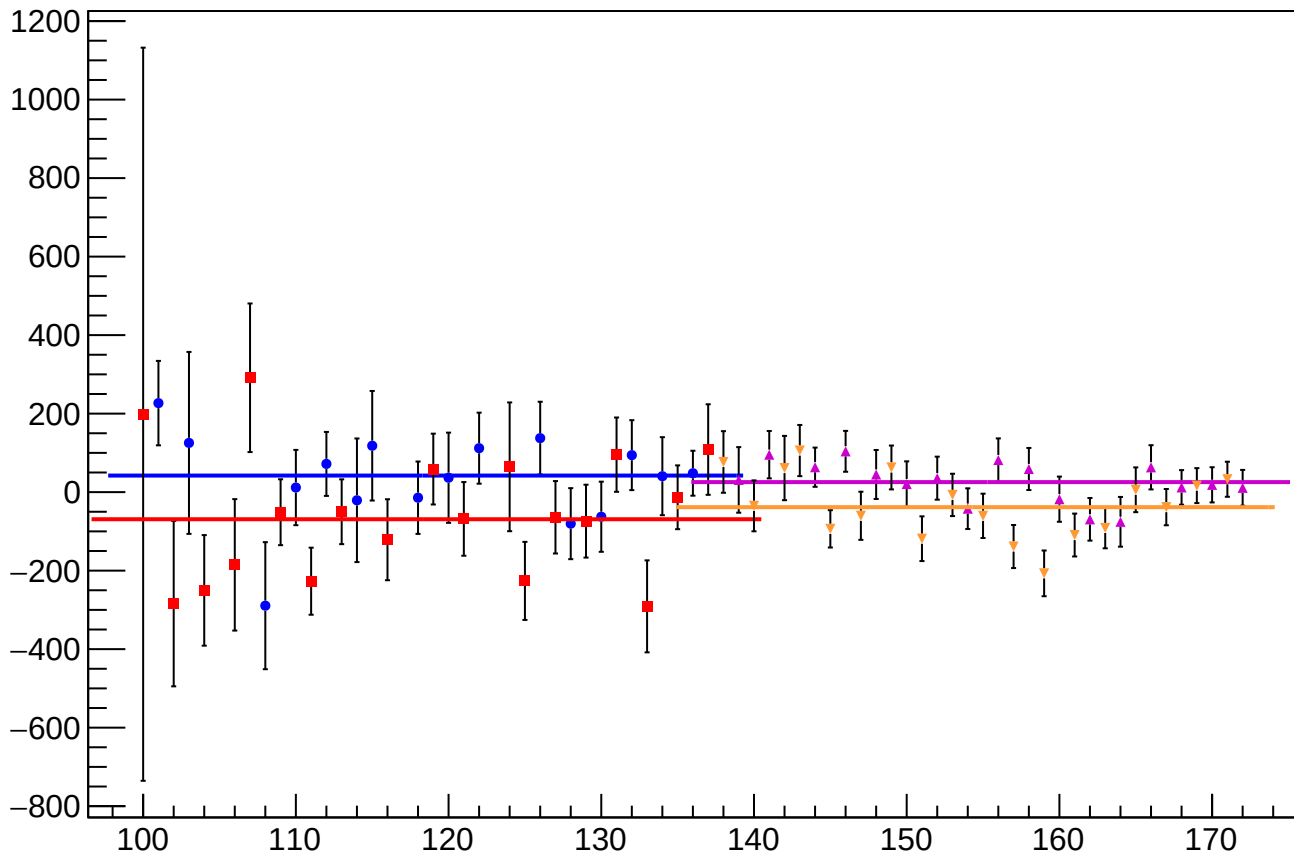
Left In: 263.297+/-0.052 χ^2/NDF : 2476888.9/16

+ sign 312.787+/-0.052 χ^2/NDF : 6756822.7/33

All: 304.073+/-0.036 χ^2/NDF : 14151245.6/69

- sign 296.128+/-0.050 χ^2/NDF : 7341438.8/35

cor_asym_sam_37_dd_mean vs Slug



Right In: 42.213 $\pm$ 24.207 χ^2 /NDF: 13.6/15

Left Out: -38.317 $\pm$ 13.026 χ^2 /NDF: 34.9/17

Right Out: -69.068 $\pm$ 24.420 χ^2 /NDF: 25.3/18

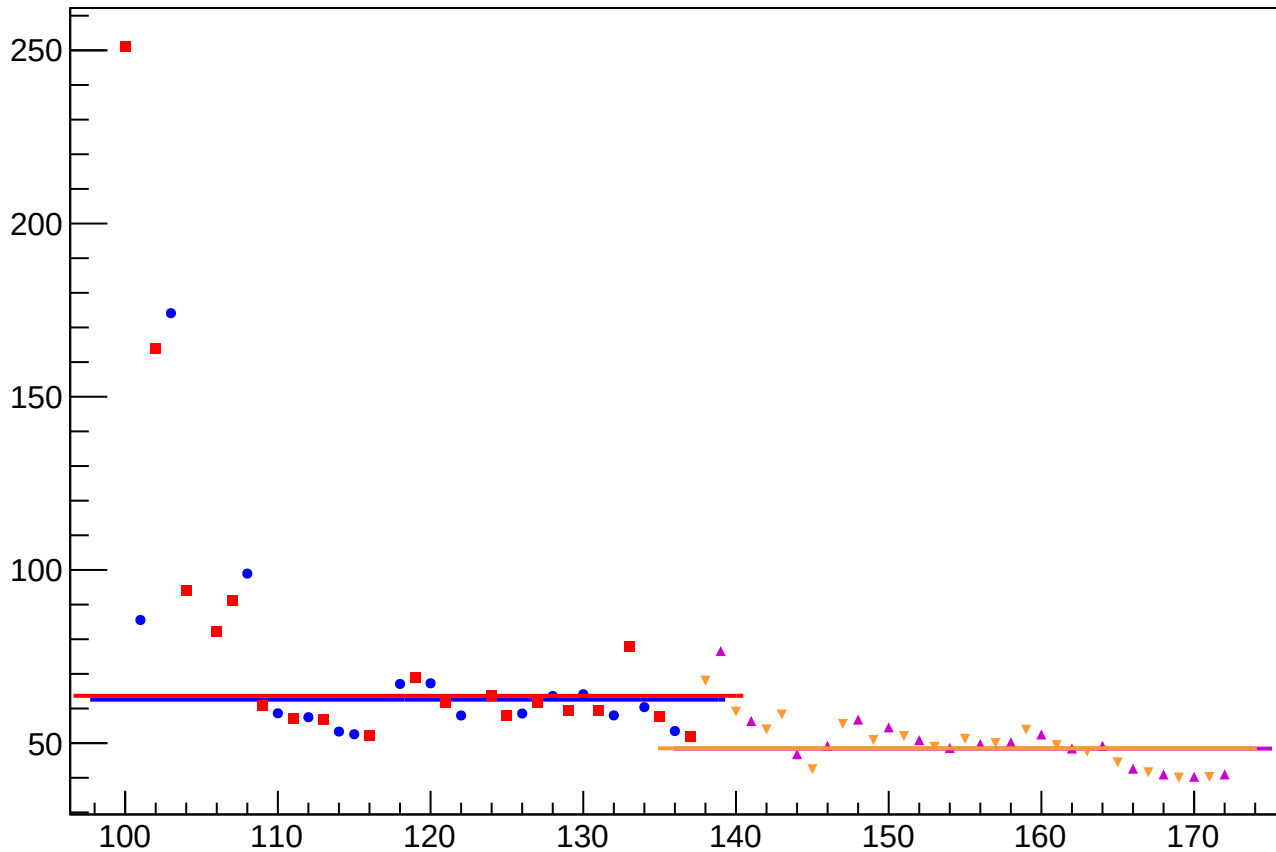
Left In: 25.531 $\pm$ 13.101 χ^2 /NDF: 14.3/16

+ sign -20.234 $\pm$ 11.471 χ^2 /NDF: 57.0/33

All: -8.003 $\pm$ 8.137 χ^2 /NDF: 110.5/69

- sign 4.387 $\pm$ 11.545 χ^2 /NDF: 51.2/35

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

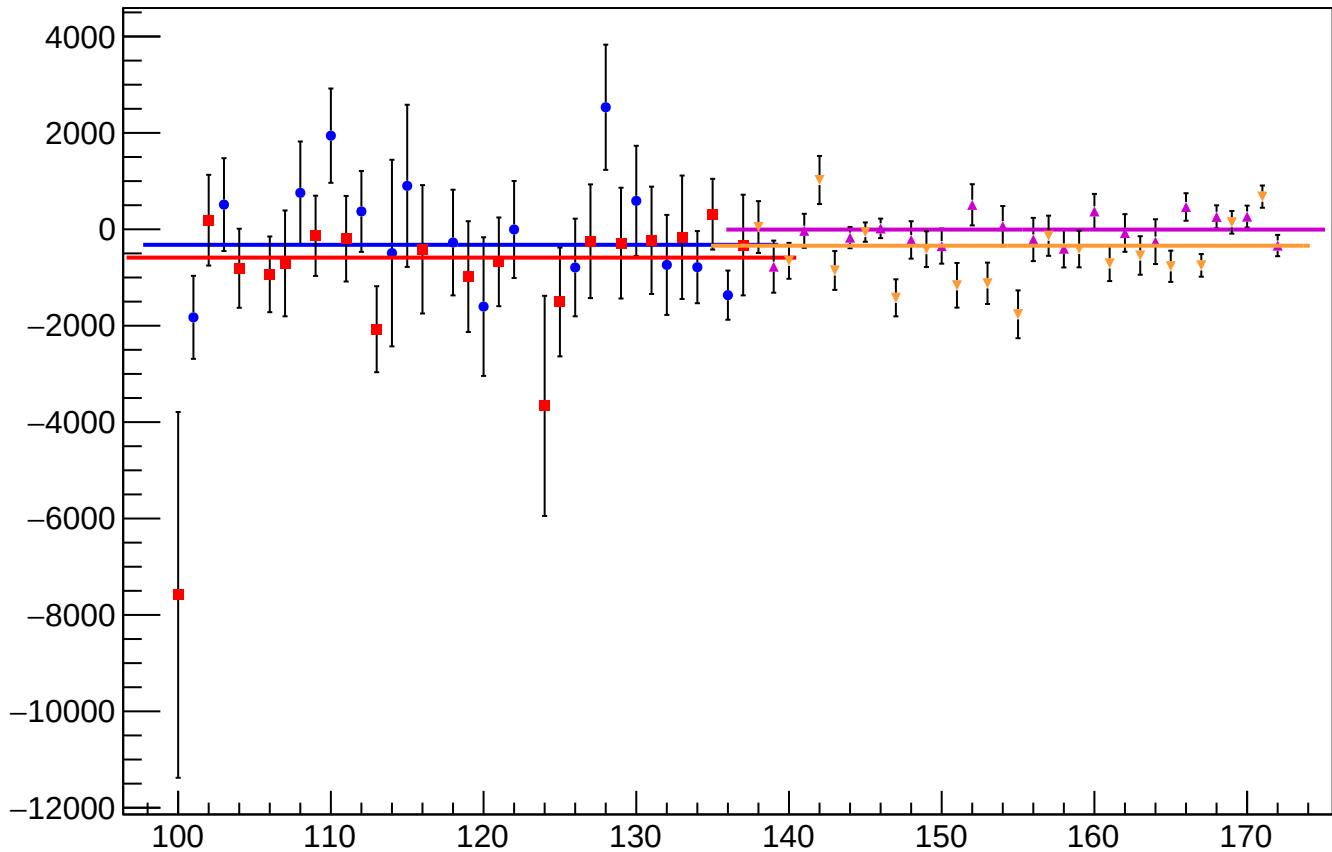
Left In: 48.428+/-0.009 χ^2/NDF : 539256.7/16

+ sign 51.660+/-0.008 χ^2/NDF : 1803410.1/33

All: 51.747+/-0.006 χ^2/NDF : 3779792.9/69

- sign 51.836+/-0.008 χ^2/NDF : 1976149.4/35

asym_sam_37_dd_cor_correction_mean vs Slug



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

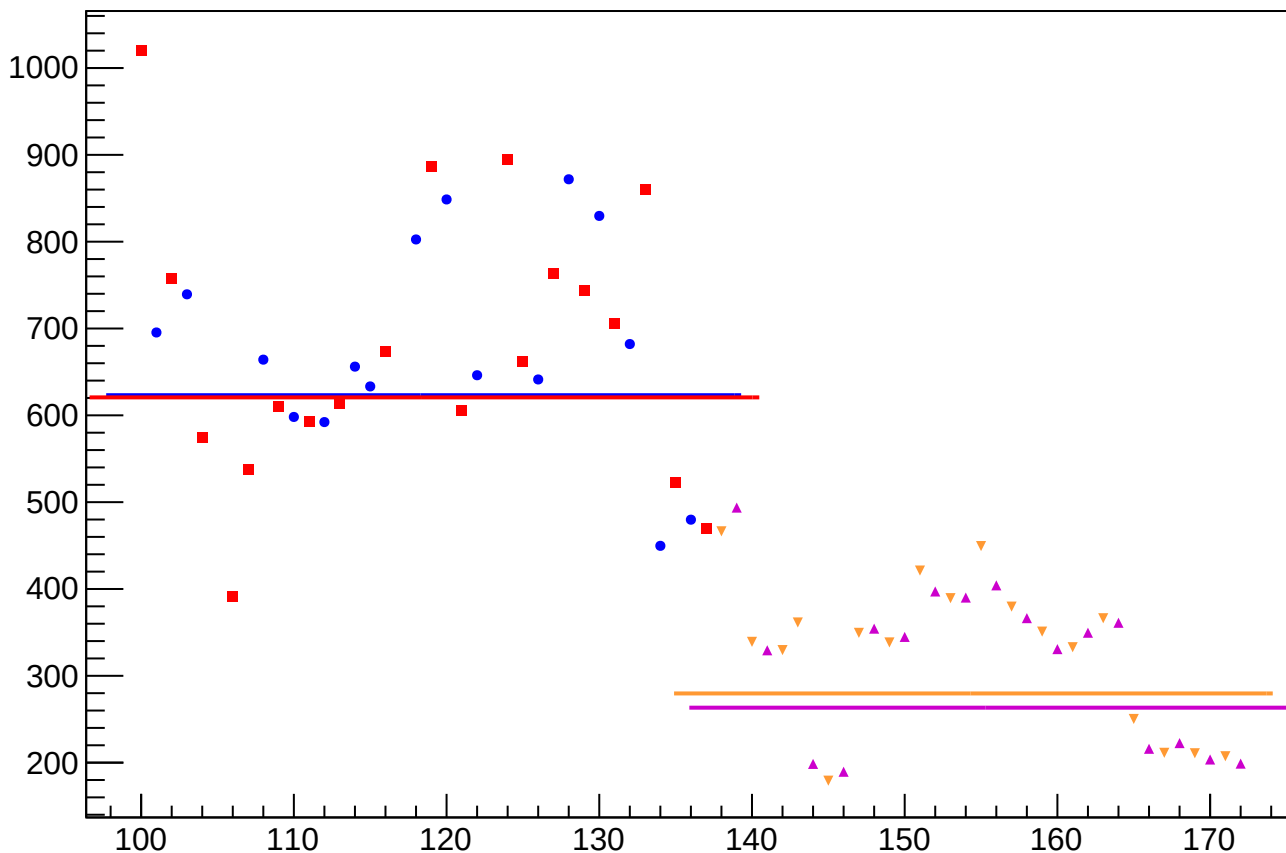
Left In: -5.639 ± 74.162 χ^2/NDF : 15.5/16

+ sign -338.440 ± 74.024 χ^2/NDF : 87.7/33

All: -192.141 ± 51.127 χ^2/NDF : 128.4/69

- sign -58.692 ± 70.699 χ^2/NDF : 33.3/35

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

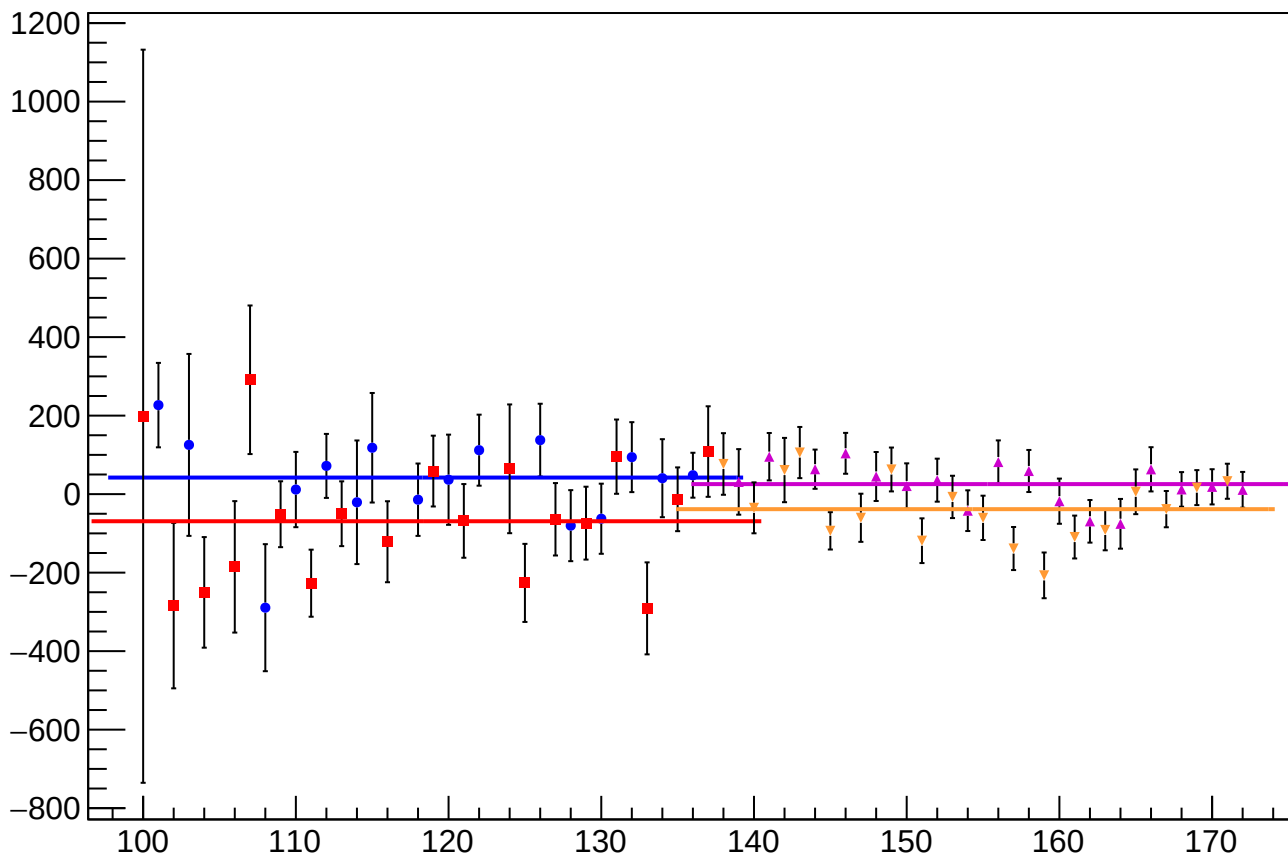
Left In: 263.297+/-0.052 χ^2/NDF : 2476883.3/16

+ sign 312.786+/-0.052 χ^2/NDF : 6756901.3/33

All: 303.954+/-0.036 χ^2/NDF : 14135276.6/69

- sign 295.898+/-0.050 χ^2/NDF : 7323931.4/35

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

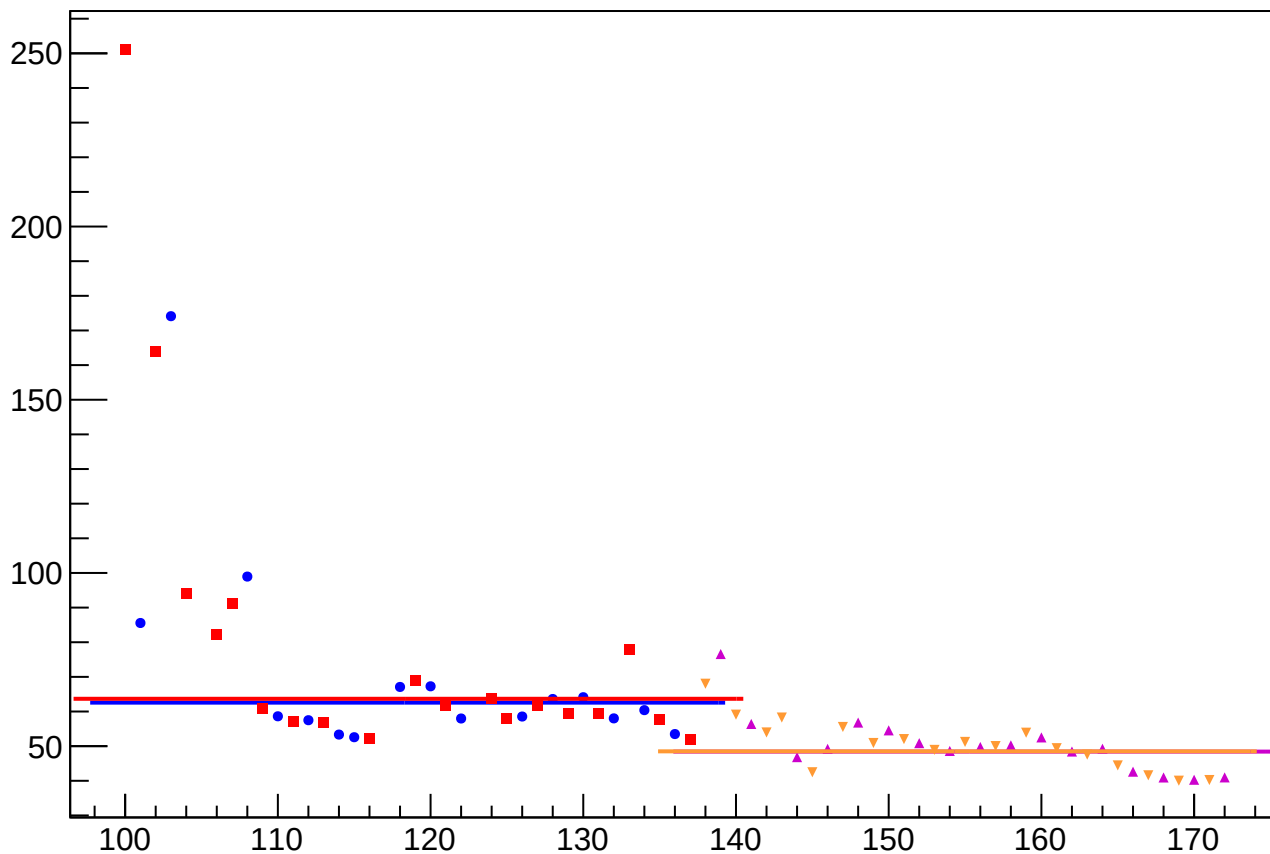
Left In: 25.531 ± 13.101 χ^2/NDF : 14.3/16

+ sign -20.234 ± 11.471 χ^2/NDF : 57.0/33

All: -8.003 ± 8.137 χ^2/NDF : 110.5/69

- sign 4.387 ± 11.545 χ^2/NDF : 51.2/35

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

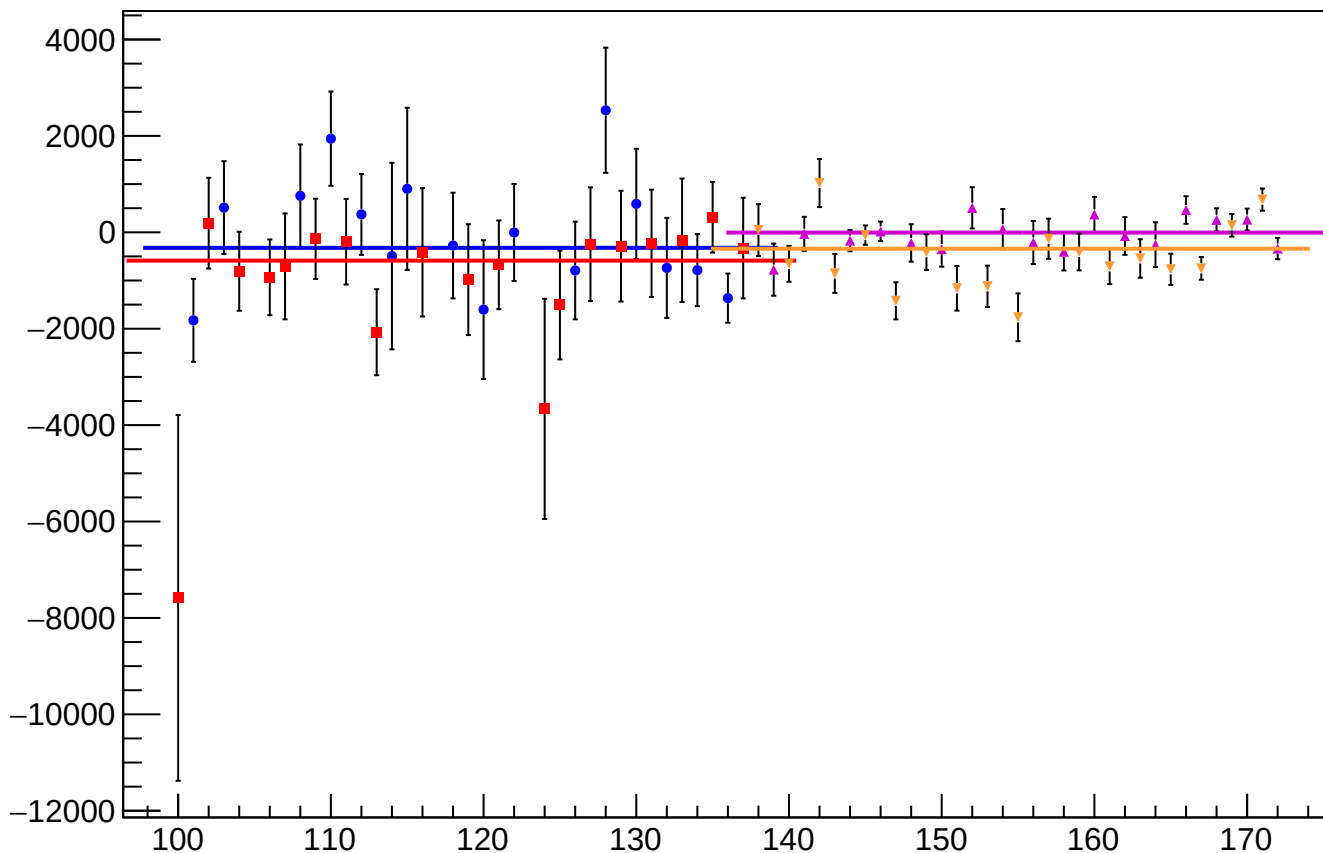
Left In: 48.428+/-0.009 χ^2/NDF : 539256.7/16

+ sign 51.660+/-0.008 χ^2/NDF : 1803410.1/33

All: 51.747+/-0.006 χ^2/NDF : 3779792.9/69

- sign 51.836+/-0.008 χ^2/NDF : 1976149.4/35

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



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

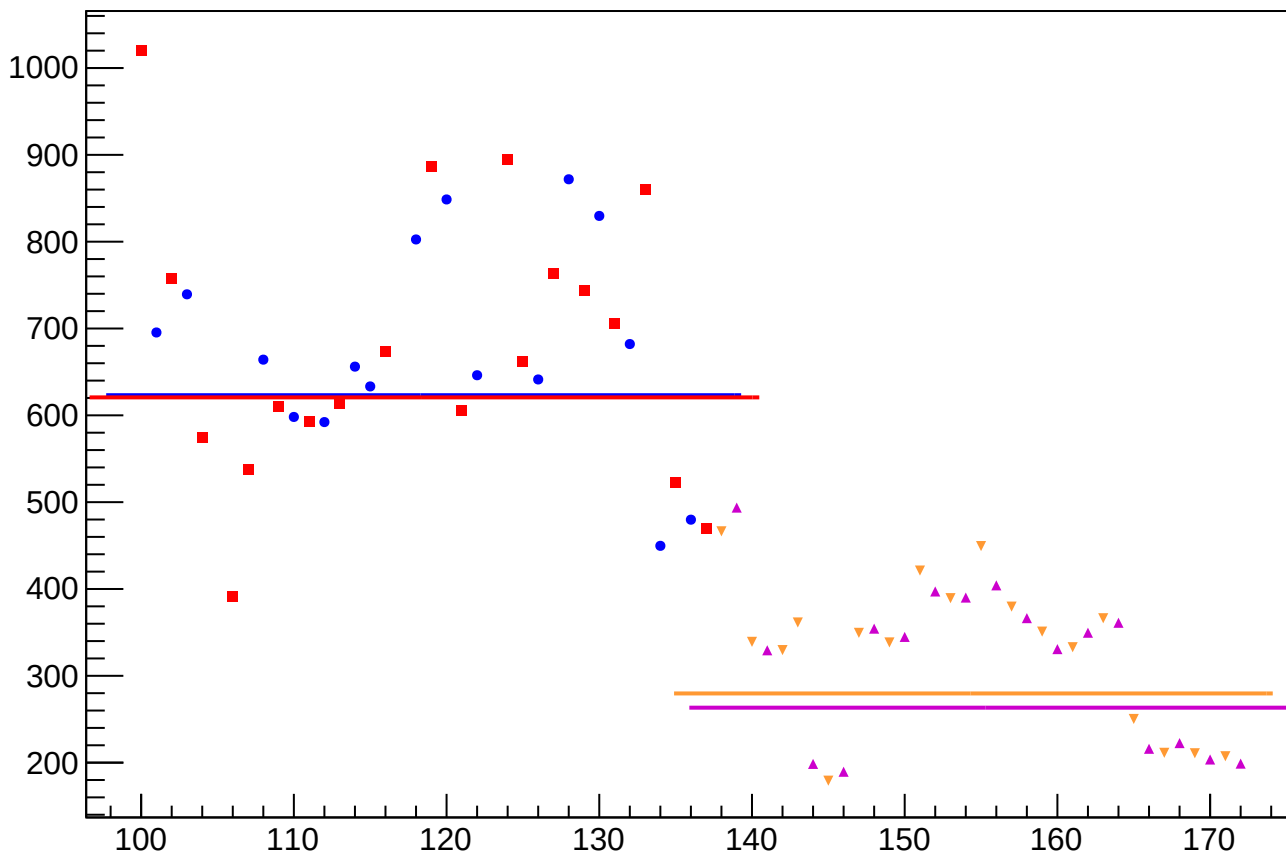
Left In: -5.639 ± 74.162 χ^2/NDF : 15.5/16

+ sign -338.440 ± 74.024 χ^2/NDF : 87.7/33

All: -192.141 ± 51.127 χ^2/NDF : 128.4/69

- sign -58.692 ± 70.699 χ^2/NDF : 33.3/35

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

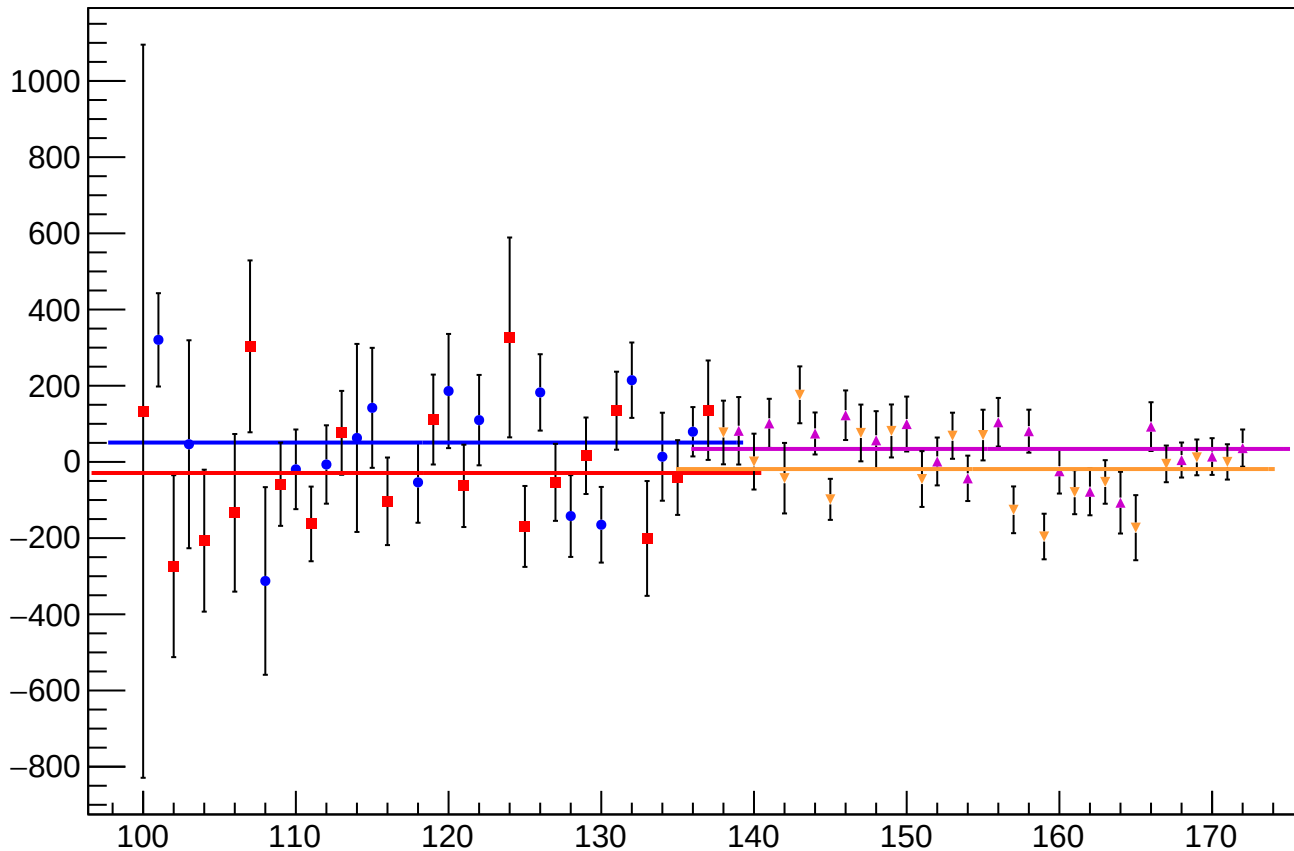
Left In: 263.297+/-0.052 χ^2/NDF : 2476883.3/16

+ sign 312.786+/-0.052 χ^2/NDF : 6756901.3/33

All: 303.954+/-0.036 χ^2/NDF : 14135276.6/69

- sign 295.898+/-0.050 χ^2/NDF : 7323931.4/35

dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: -18.705 $\pm$ 14.619 χ^2 /NDF: 35.3/17

Right Out: -29.040 $\pm$ 28.910 χ^2 /NDF: 18.5/18

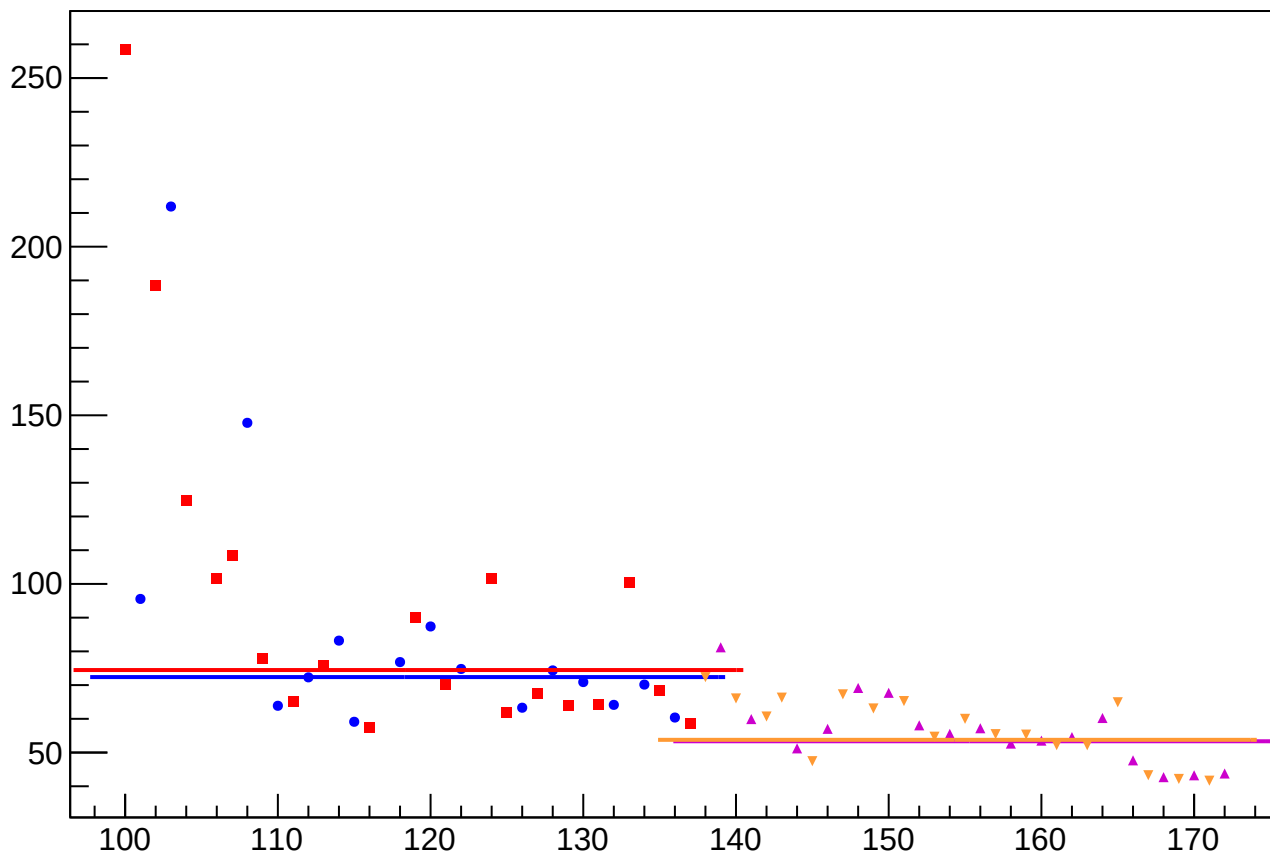
Left In: 34.078 $\pm$ 14.644 χ^2 /NDF: 17.2/16

+ sign -4.069 $\pm$ 12.990 χ^2 /NDF: 62.9/33

All: 8.489 $\pm$ 9.211 χ^2 /NDF: 104.4/69

- sign 21.190 $\pm$ 13.064 χ^2 /NDF: 39.5/35

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

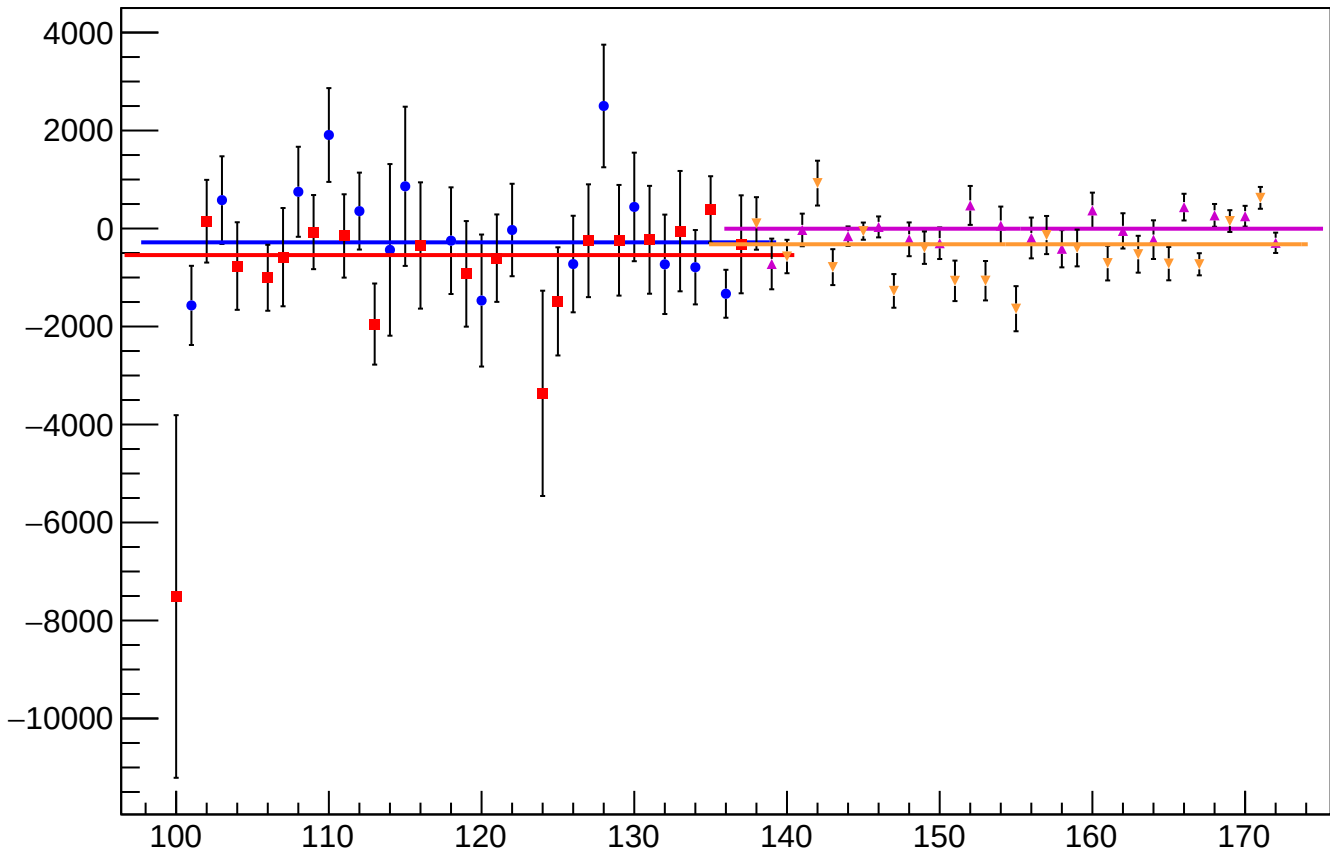
Left In: 53.343+/-0.010 χ^2 /NDF: 717357.2/16

+ sign 57.685+/-0.009 χ^2 /NDF: 2432184.1/33

All: 57.670+/-0.007 χ^2 /NDF: 5051352.2/69

- sign 57.655+/-0.009 χ^2 /NDF: 2619163.0/35

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

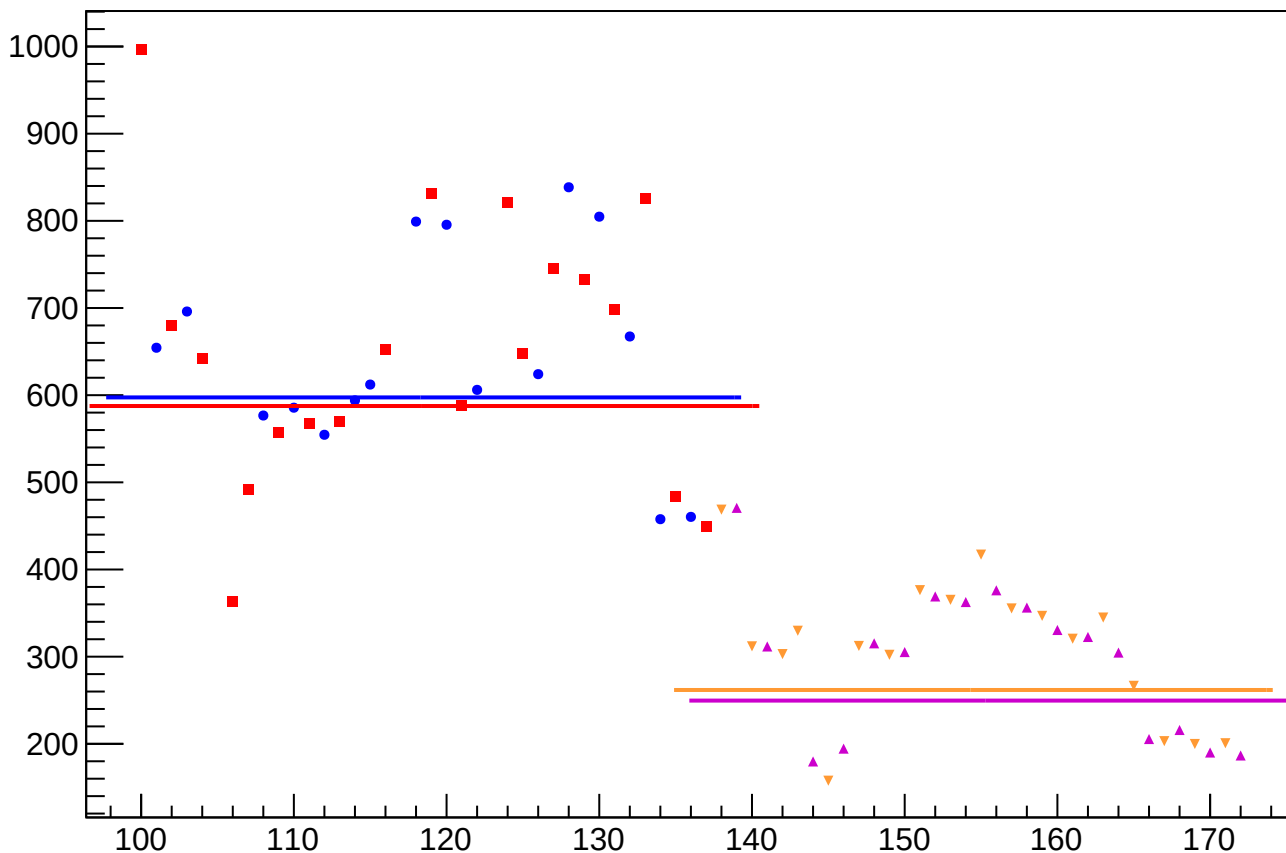
Left In: -3.996 ± 70.177 χ^2/NDF : 15.4/16

+ sign -317.538 ± 69.383 χ^2/NDF : 86.9/33

All: -180.582 ± 48.153 χ^2/NDF : 128.4/69

- sign -53.317 ± 66.883 χ^2/NDF : 34.0/35

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 597.438 $\pm$ 0.161 χ^2 /NDF: 533791.9/15

Left Out: 261.787 $\pm$ 0.052 χ^2 /NDF: 2528256.7/17

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689035.8/18

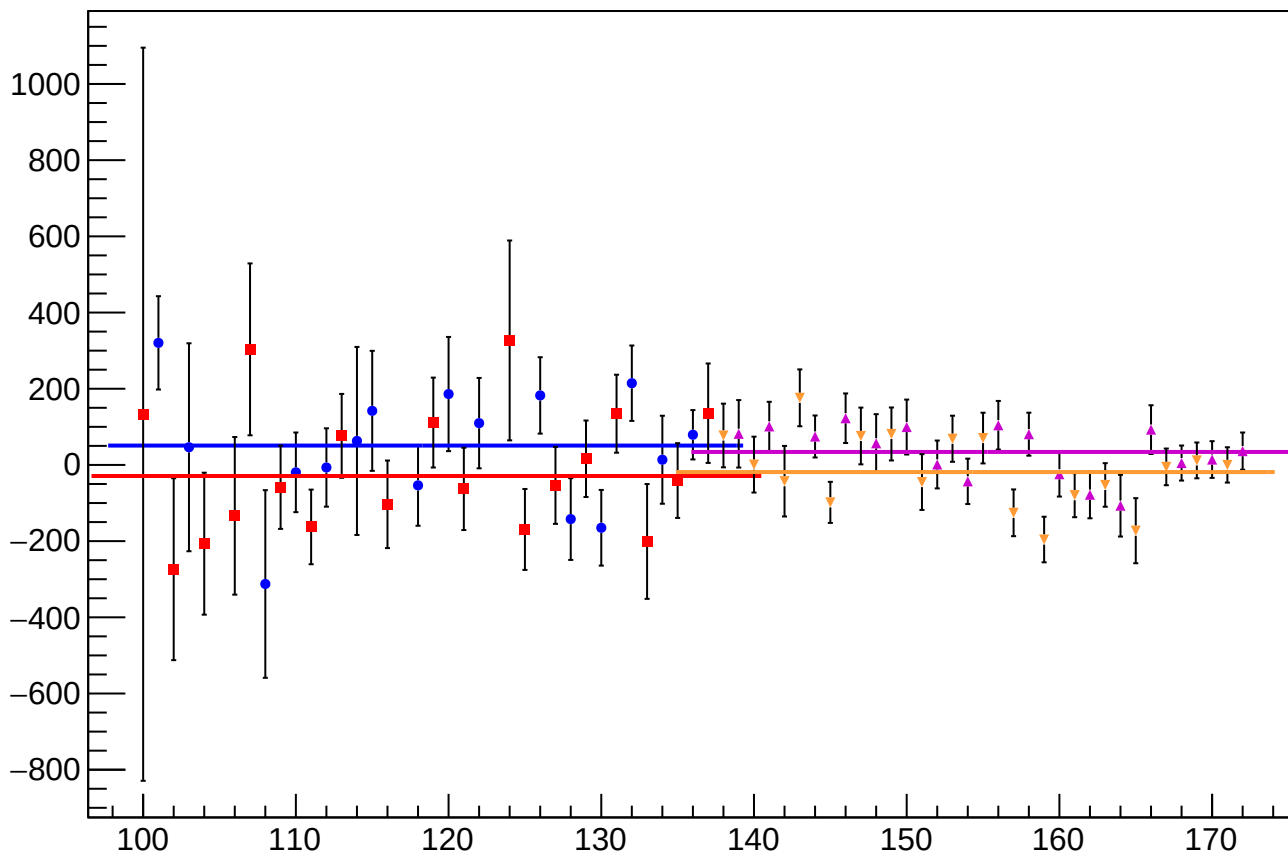
Left In: 249.616 $\pm$ 0.050 χ^2 /NDF: 2299800.5/16

+ sign 292.928 $\pm$ 0.049 χ^2 /NDF: 7001658.0/33

All: 286.536 $\pm$ 0.034 χ^2 /NDF: 14275008.1/69

- sign 280.596 $\pm$ 0.047 χ^2 /NDF: 7240598.5/35

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 50.840 $\pm$ 28.316 χ^2 /NDF: 22.9/15

Left Out: -18.704 $\pm$ 14.619 χ^2 /NDF: 35.3/17

Right Out: -29.038 $\pm$ 28.910 χ^2 /NDF: 18.5/18

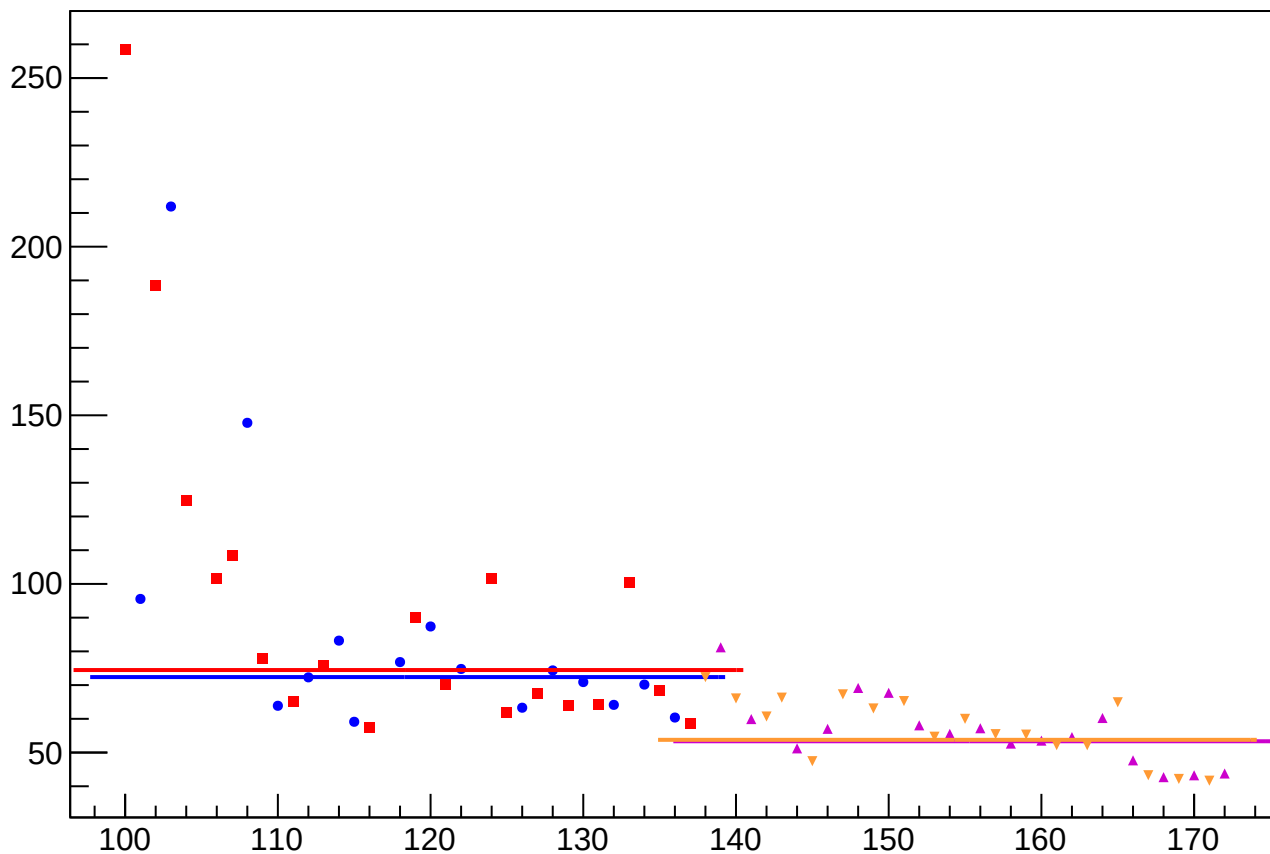
Left In: 34.079 $\pm$ 14.644 χ^2 /NDF: 17.2/16

+ sign -4.069 $\pm$ 12.990 χ^2 /NDF: 62.9/33

All: 8.489 $\pm$ 9.211 χ^2 /NDF: 104.4/69

- sign 21.191 $\pm$ 13.064 χ^2 /NDF: 39.5/35

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.378+/-0.020 χ^2/NDF : 938180.0/15

Left Out: 53.769+/-0.010 χ^2/NDF : 812035.9/17

Right Out: 74.463+/-0.020 χ^2/NDF : 1052290.0/18

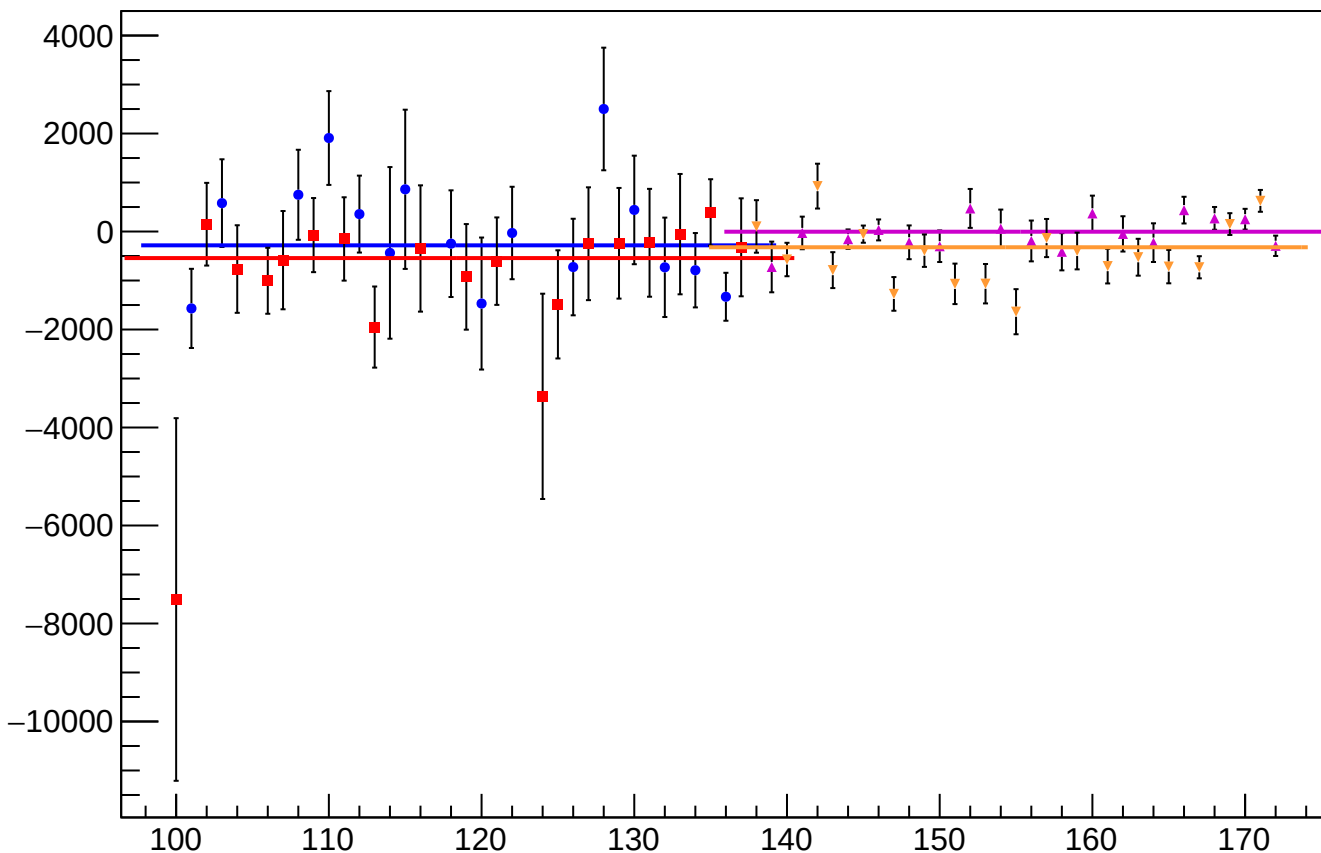
Left In: 53.343+/-0.010 χ^2/NDF : 717365.8/16

+ sign 57.685+/-0.009 χ^2/NDF : 2432197.8/33

All: 57.670+/-0.007 χ^2/NDF : 5051354.9/69

- sign 57.656+/-0.009 χ^2/NDF : 2619151.9/35

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -282.038 ± 227.789 χ^2/NDF : 22.8/15

Left Out: -321.169 ± 72.845 χ^2/NDF : 64.1/17

Right Out: -542.028 ± 220.904 χ^2/NDF : 13.3/18

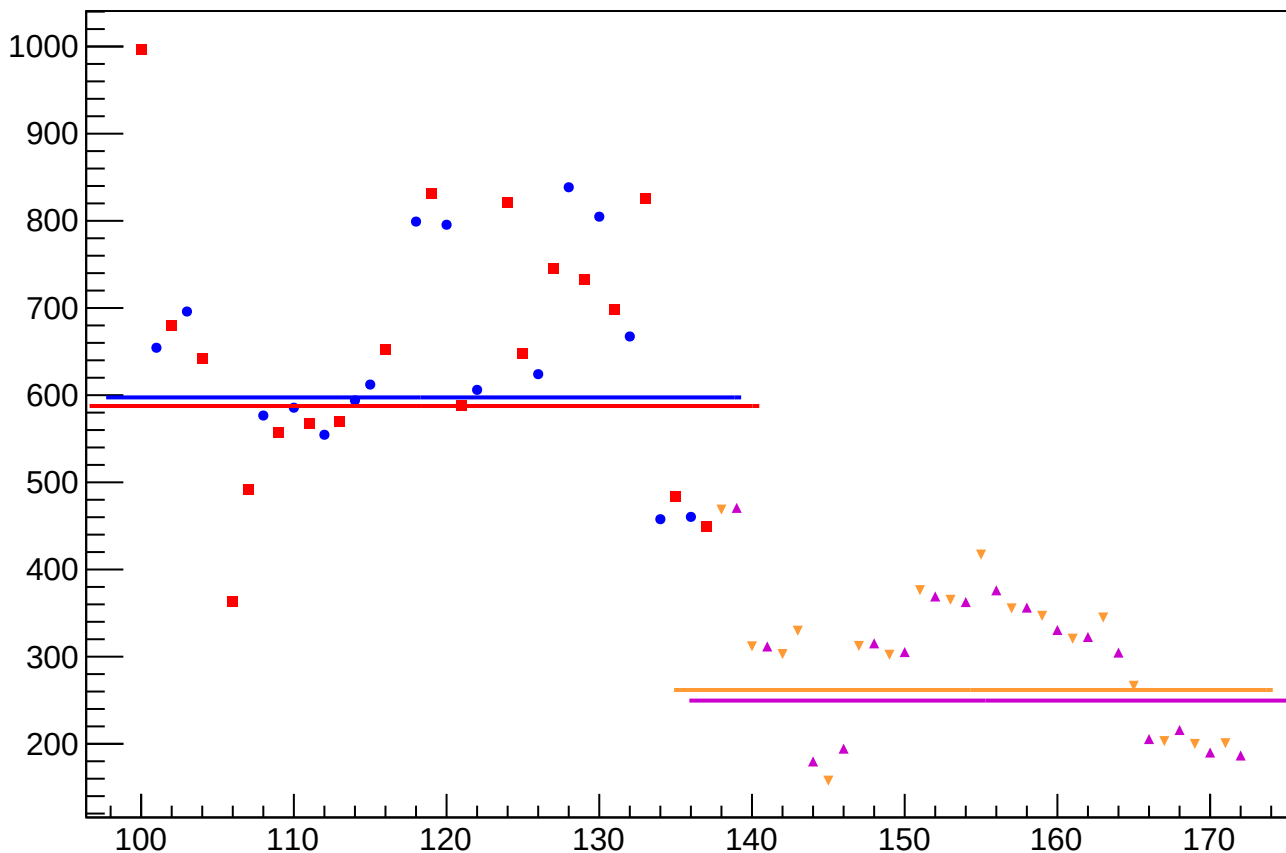
Left In: -3.996 ± 70.177 χ^2/NDF : 15.4/16

+ sign -317.538 ± 69.383 χ^2/NDF : 86.9/33

All: -180.582 ± 48.153 χ^2/NDF : 128.4/69

- sign -53.317 ± 66.883 χ^2/NDF : 34.0/35

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 597.439 $\pm$ 0.161 χ^2 /NDF: 533790.1/15

Left Out: 261.787 $\pm$ 0.052 χ^2 /NDF: 2528242.1/17

Right Out: 587.565 $\pm$ 0.156 χ^2 /NDF: 689033.6/18

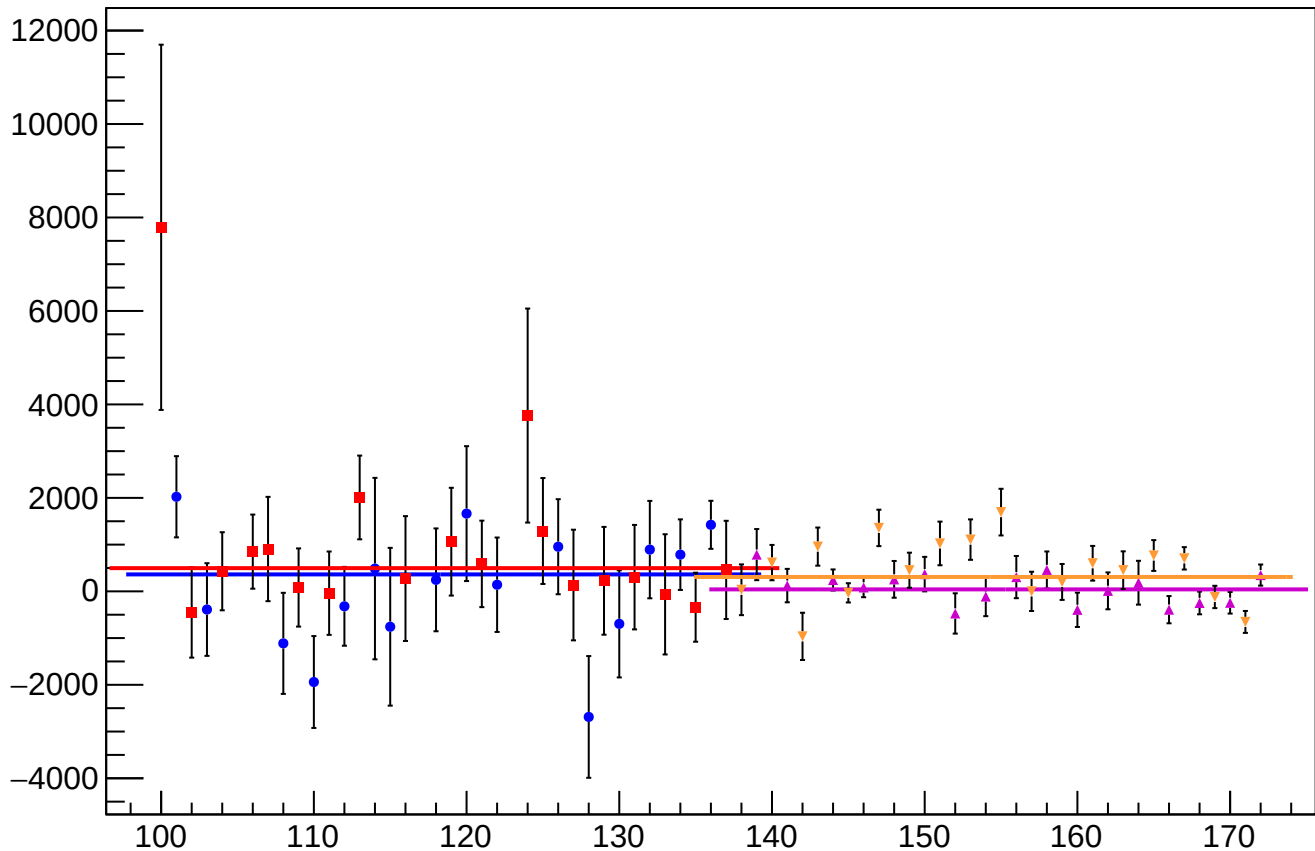
Left In: 249.616 $\pm$ 0.050 χ^2 /NDF: 2299793.7/16

+ sign 292.928 $\pm$ 0.049 χ^2 /NDF: 7001647.3/33

All: 286.535 $\pm$ 0.034 χ^2 /NDF: 14274993.0/69

- sign 280.595 $\pm$ 0.047 χ^2 /NDF: 7240593.0/35

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

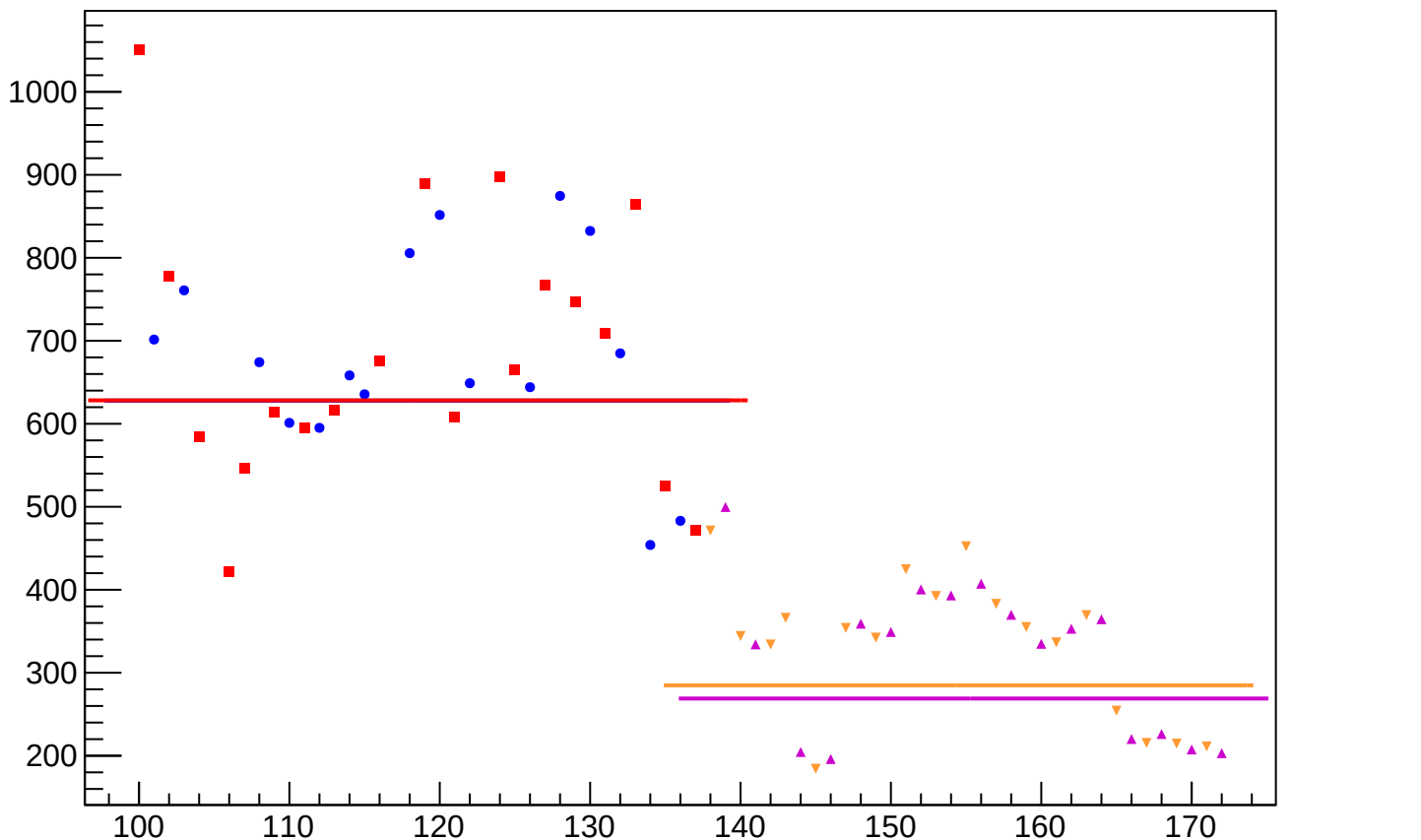
Left In: 41.898 ± 75.582 χ^2/NDF : 15.4/16

+ sign 313.138 ± 75.177 χ^2/NDF : 84.6/33

All: 193.696 ± 51.992 χ^2/NDF : 120.8/69

- sign 84.191 ± 71.982 χ^2/NDF : 31.4/35

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

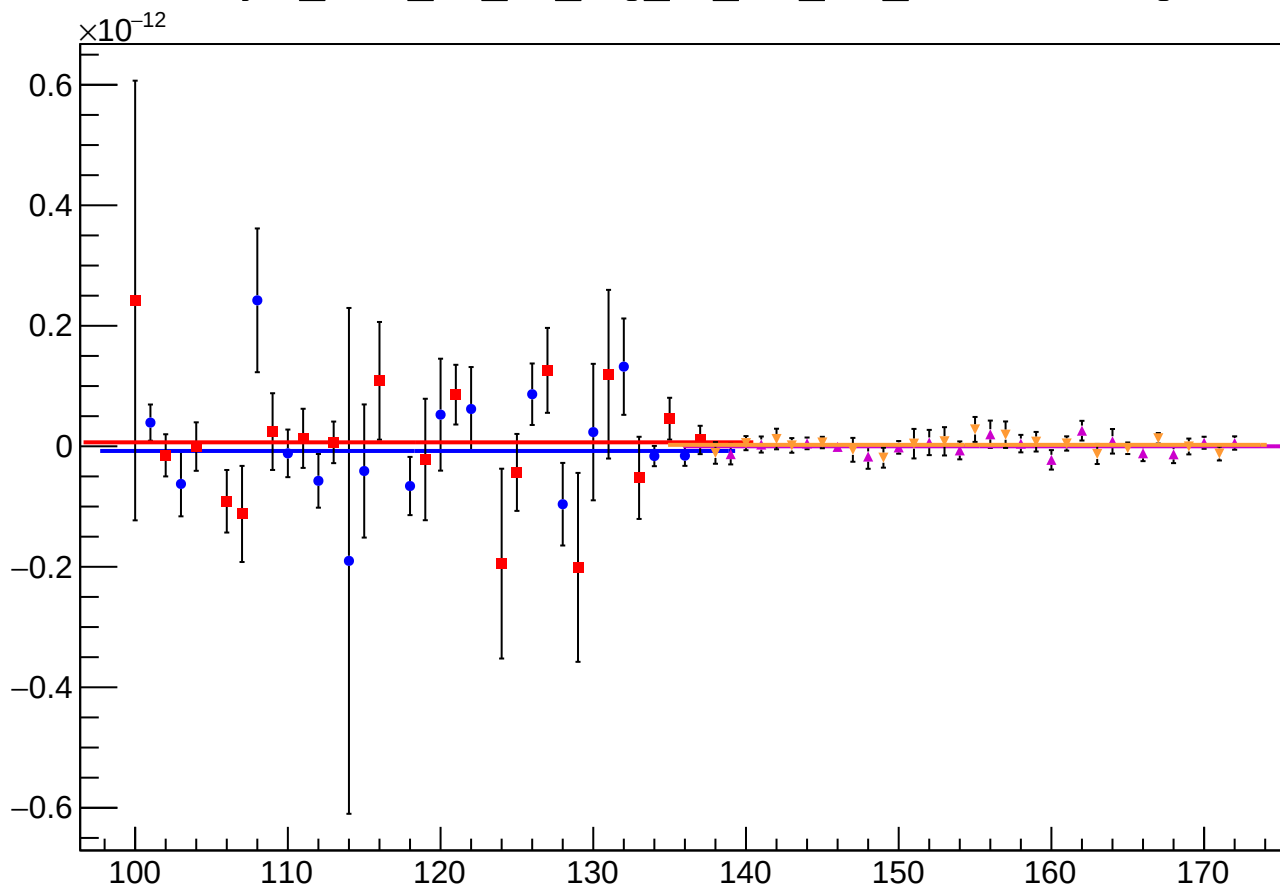
Left In: 268.953+/-0.053 χ^2/NDF : 2372363.3/16

+ sign 318.355+/-0.053 χ^2/NDF : 6601499.0/33

All: 310.015+/-0.037 χ^2/NDF : 13795506.7/69

- sign 302.370+/-0.051 χ^2/NDF : 7146836.8/35

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:9.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/18

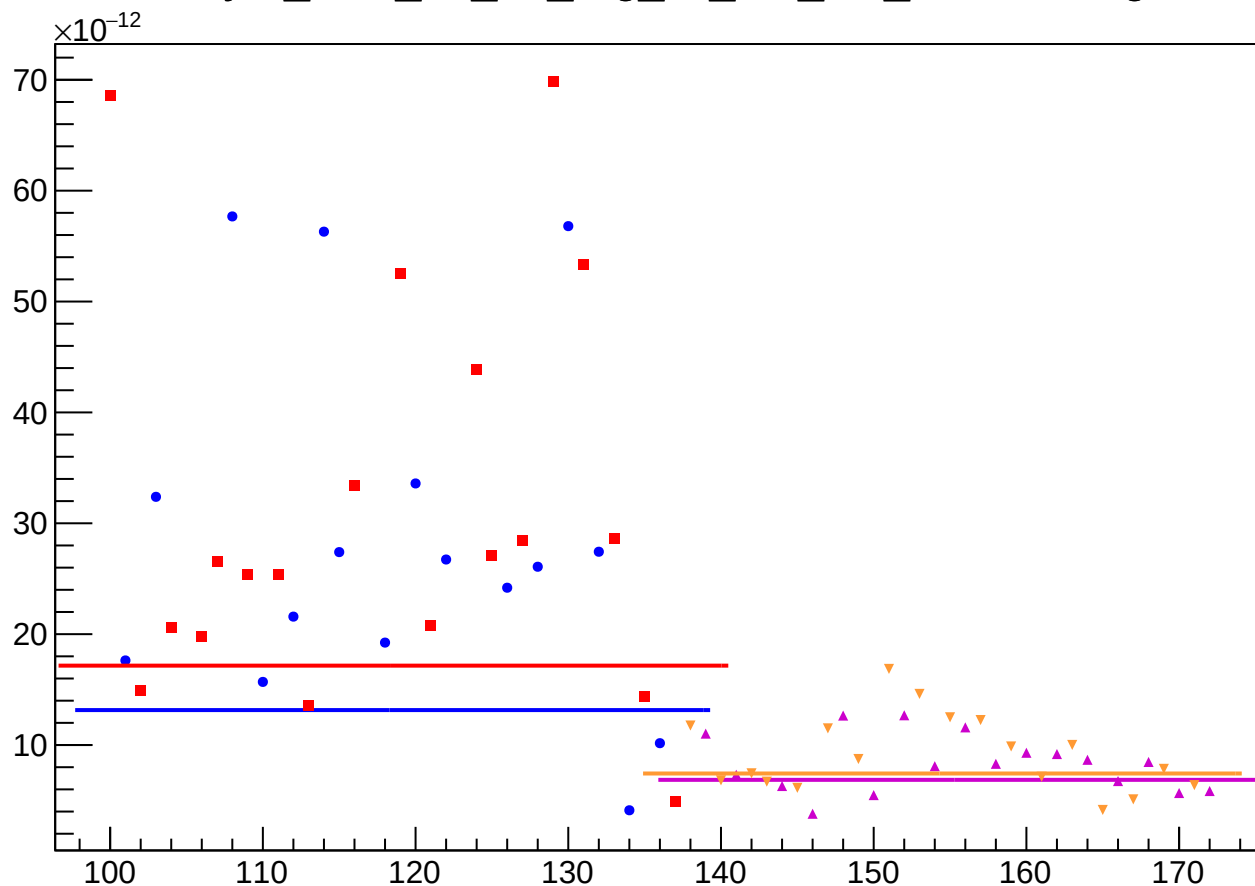
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:9.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 61.5/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/35

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2082875.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1452971.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1646197.6/18

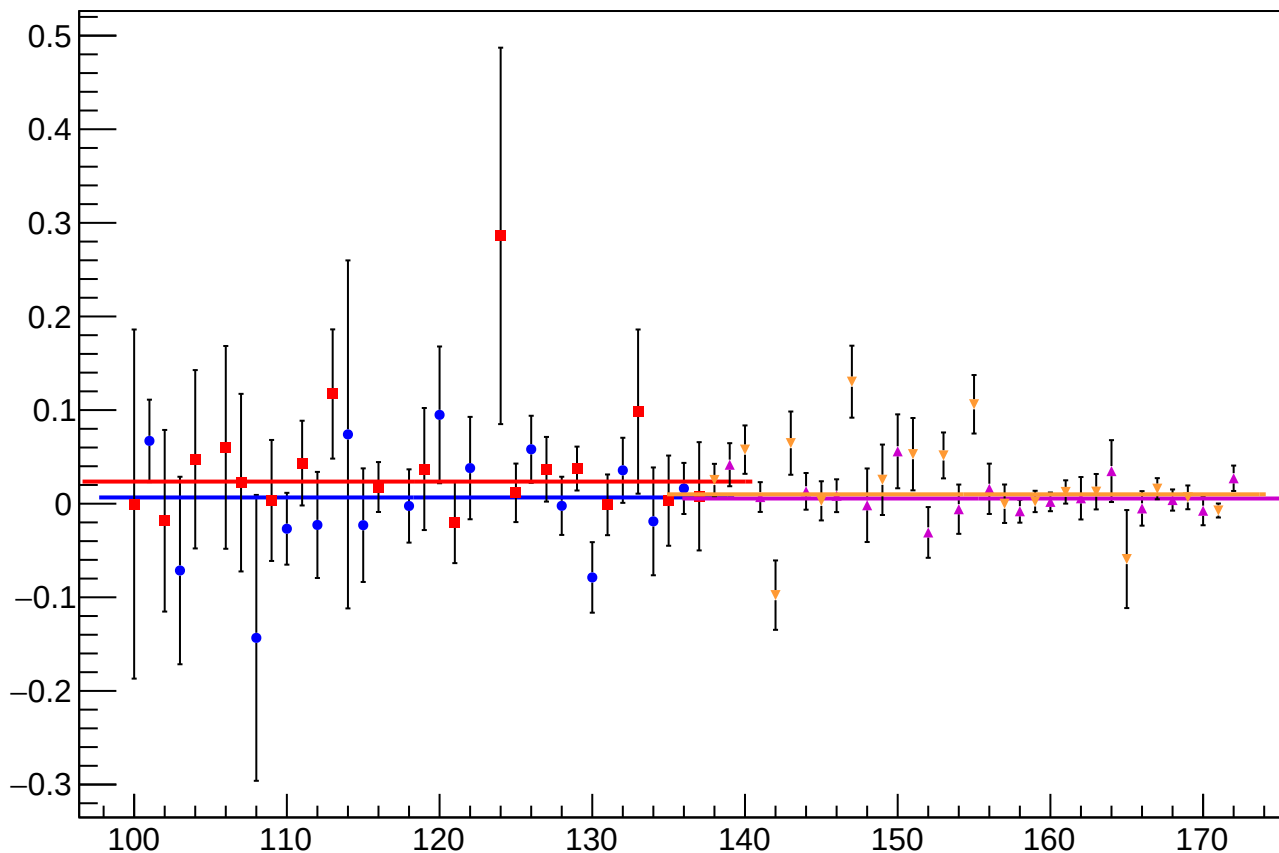
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1116299.8/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4203335.8/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8474220.7/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4247624.4/35

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

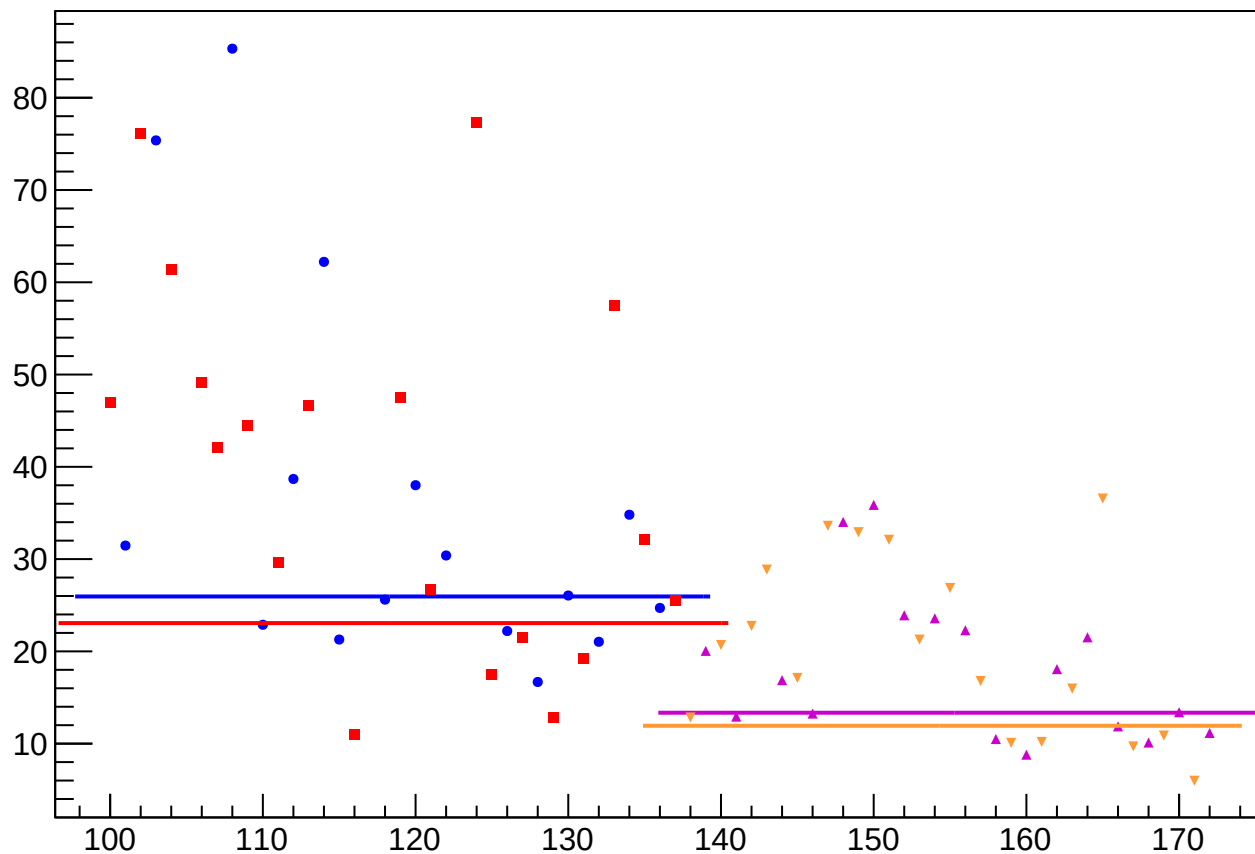
Left In: 0.006 ± 0.004 χ^2/NDF : 12.2/16

+ sign 0.010 ± 0.004 χ^2/NDF : 62.2/33

All: 0.009 ± 0.003 χ^2/NDF : 84.5/69

- sign 0.008 ± 0.004 χ^2/NDF : 22.3/35

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.949 $\pm$ 0.008 χ^2/NDF : 1381638.3/15

Left Out: 11.937 $\pm$ 0.003 χ^2/NDF : 5676864.7/17

Right Out: 23.065 $\pm$ 0.007 χ^2/NDF : 3360857.8/18

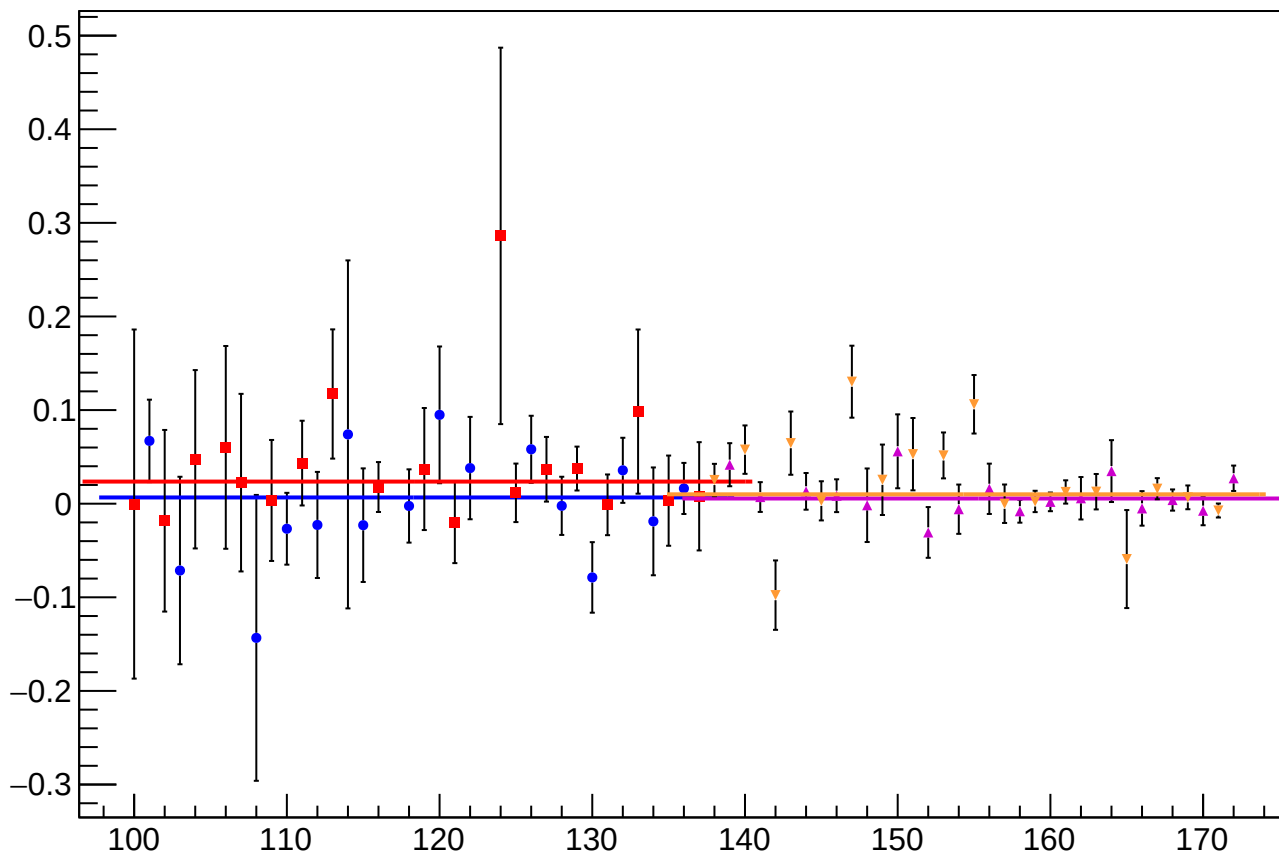
Left In: 13.351 $\pm$ 0.003 χ^2/NDF : 3229122.7/16

+ sign 13.491 $\pm$ 0.003 χ^2/NDF : 9892435.2/33

All: 14.056 $\pm$ 0.002 χ^2/NDF : 18057939.7/69

- sign 14.681 $\pm$ 0.003 χ^2/NDF : 8066900.9/35

asym_sam_37_dd_dit_vs_eigen_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

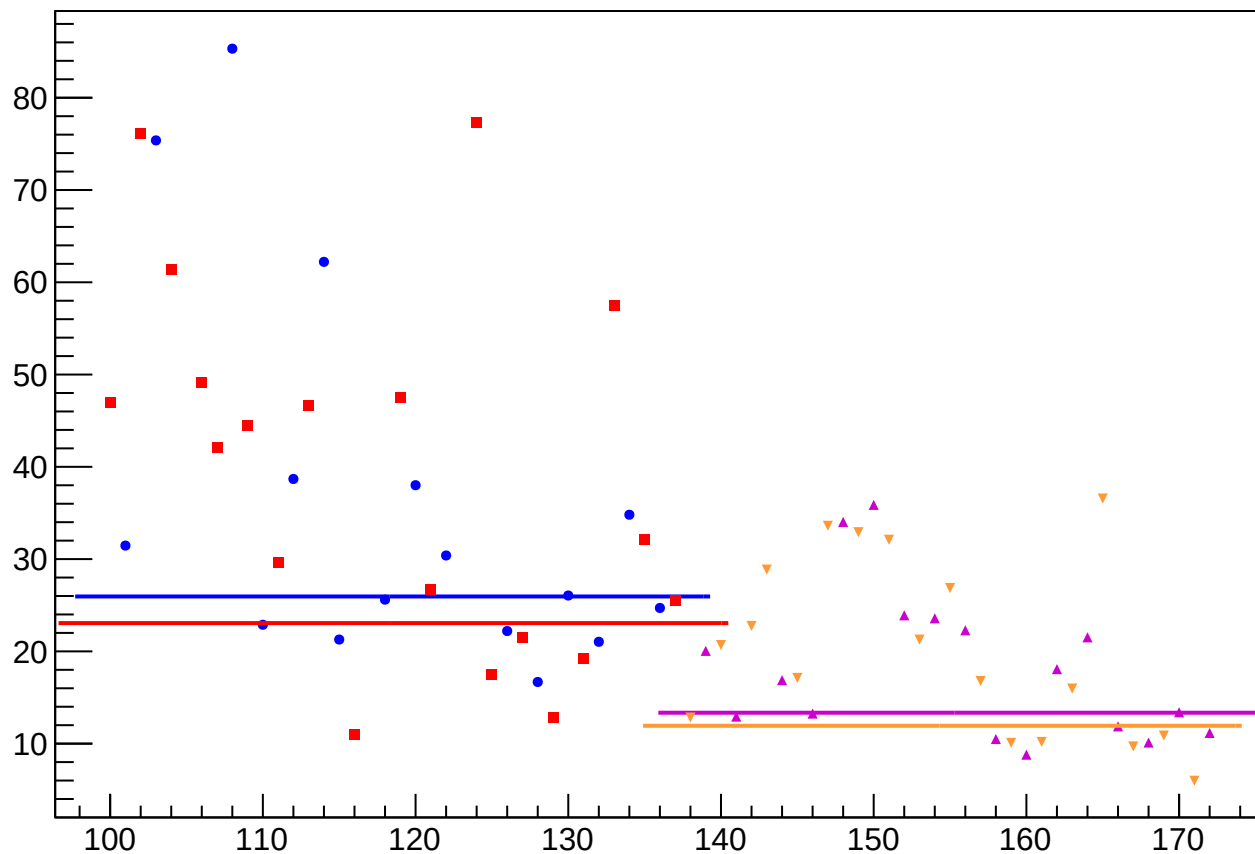
Left In: 0.006 ± 0.004 χ^2/NDF : 12.2/16

+ sign 0.010 ± 0.004 χ^2/NDF : 62.2/33

All: 0.009 ± 0.003 χ^2/NDF : 84.5/69

- sign 0.008 ± 0.004 χ^2/NDF : 22.3/35

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.949 $\pm$ 0.008 χ^2 /NDF: 1381638.3/15

Left Out: 11.937 $\pm$ 0.003 χ^2 /NDF: 5676864.7/17

Right Out: 23.065 $\pm$ 0.007 χ^2 /NDF: 3360857.8/18

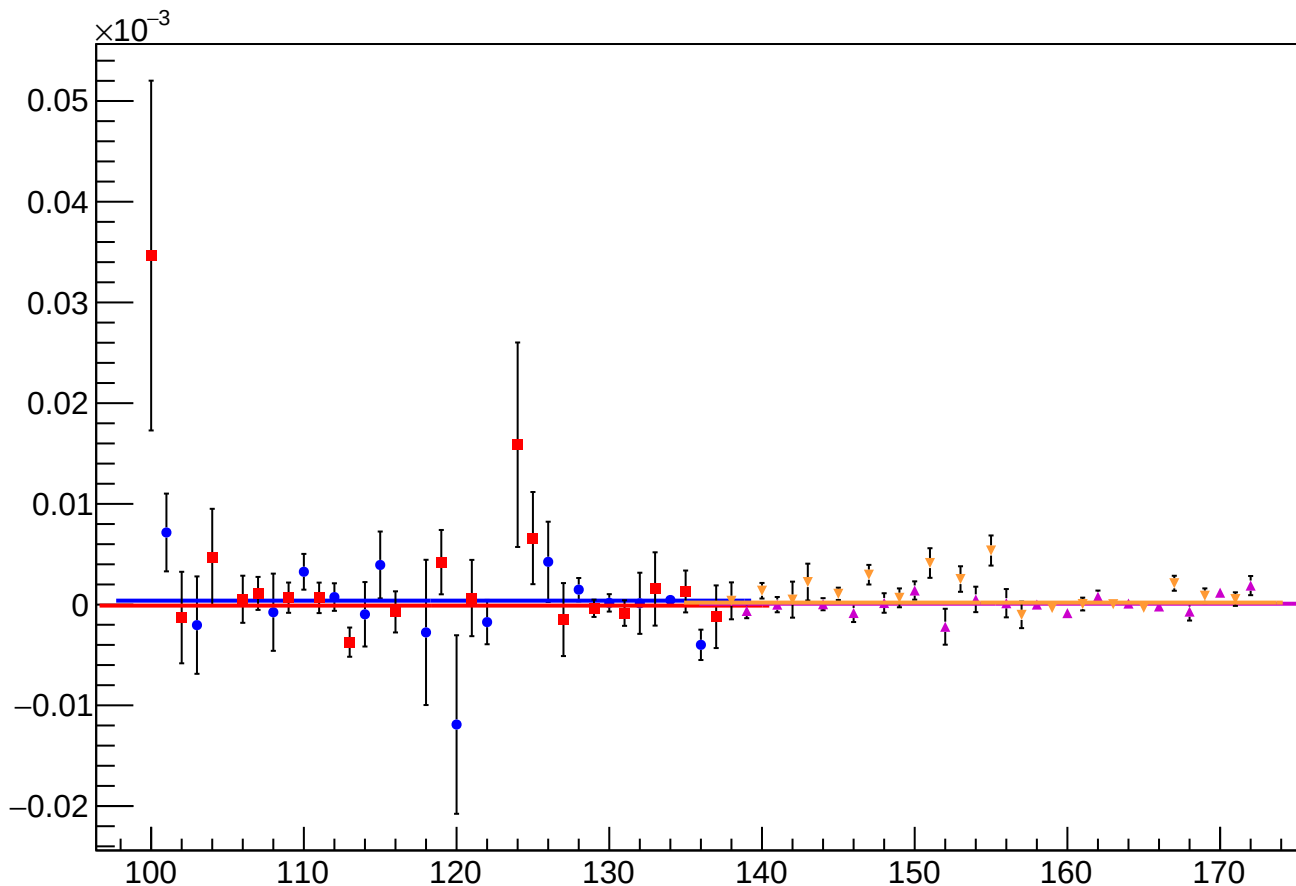
Left In: 13.351 $\pm$ 0.003 χ^2 /NDF: 3229122.7/16

+ sign 13.491 $\pm$ 0.003 χ^2 /NDF: 9892435.2/33

All: 14.056 $\pm$ 0.002 χ^2 /NDF: 18057939.7/69

- sign 14.681 $\pm$ 0.003 χ^2 /NDF: 8066900.9/35

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:53.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/18

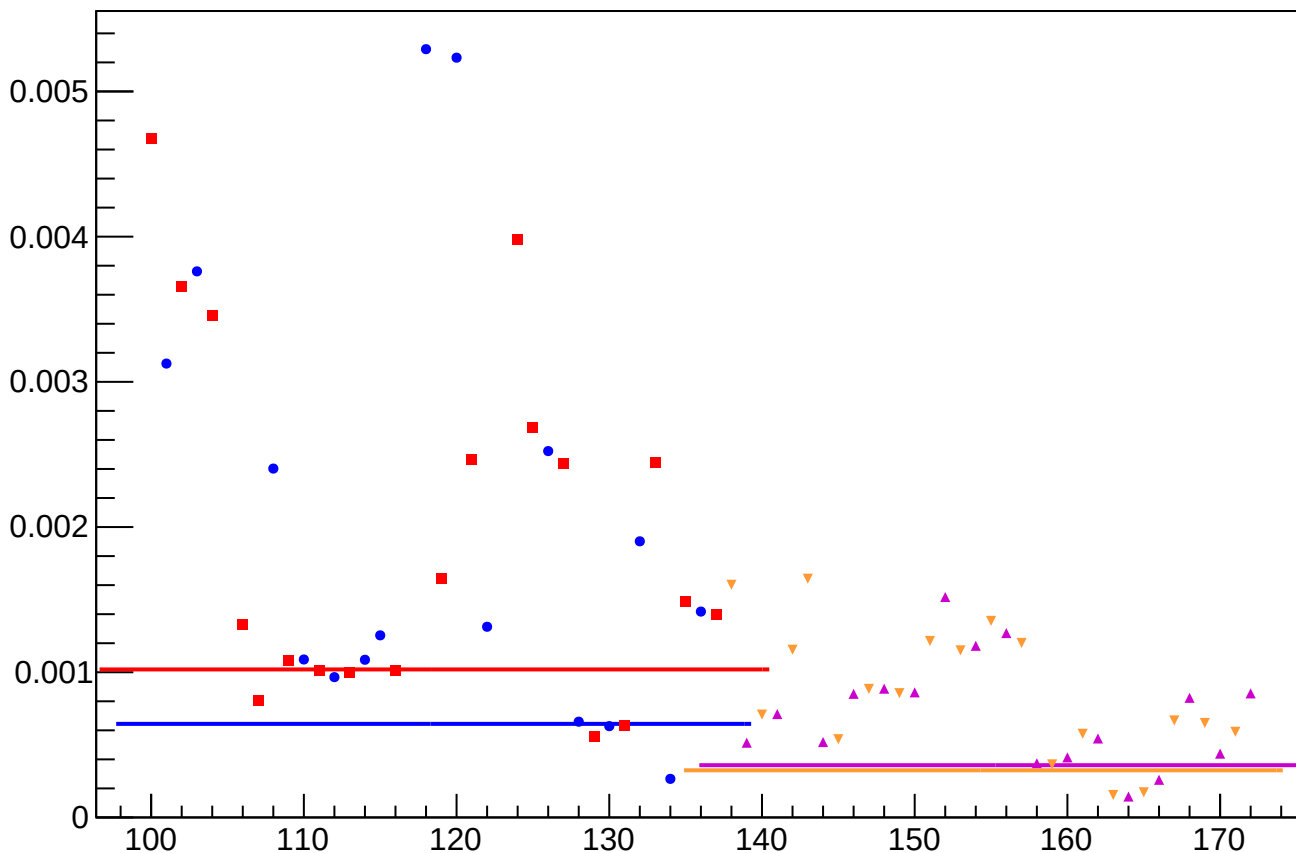
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 74.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.9/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.7/35

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF :11995683.5/17

Right Out: 0.001+/-0.000 χ^2/NDF : 3662501.2/18

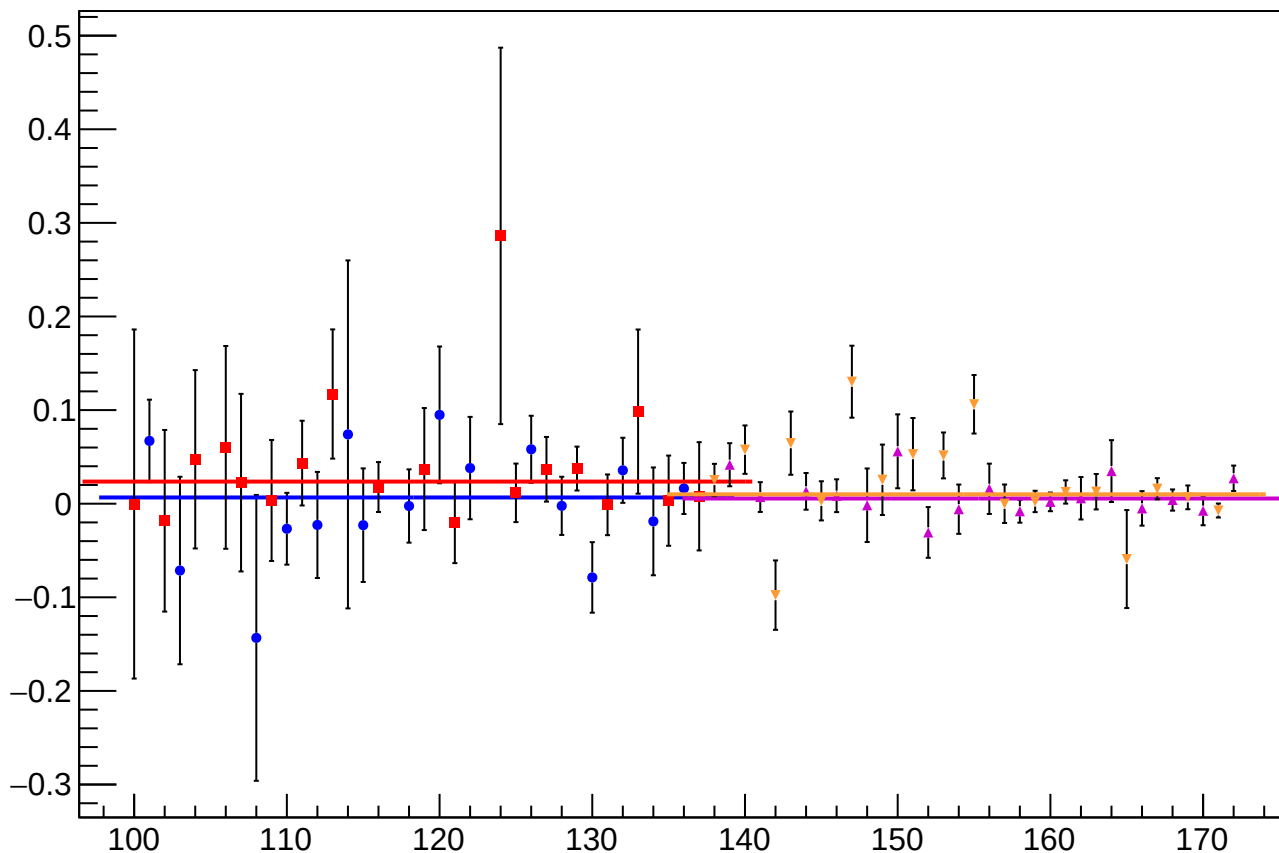
Left In: 0.000+/-0.000 χ^2/NDF :9135980.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 20154512.8/33

All: 0.000+/-0.000 χ^2/NDF : 37120192.9/69

- sign 0.000+/-0.000 χ^2/NDF : 16792136.4/35

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.011 $\chi^2/\text{NDF}: 15.0/15$

Left Out: 0.010 ± 0.004 $\chi^2/\text{NDF}: 47.1/17$

Right Out: 0.024 ± 0.011 $\chi^2/\text{NDF}: 7.5/18$

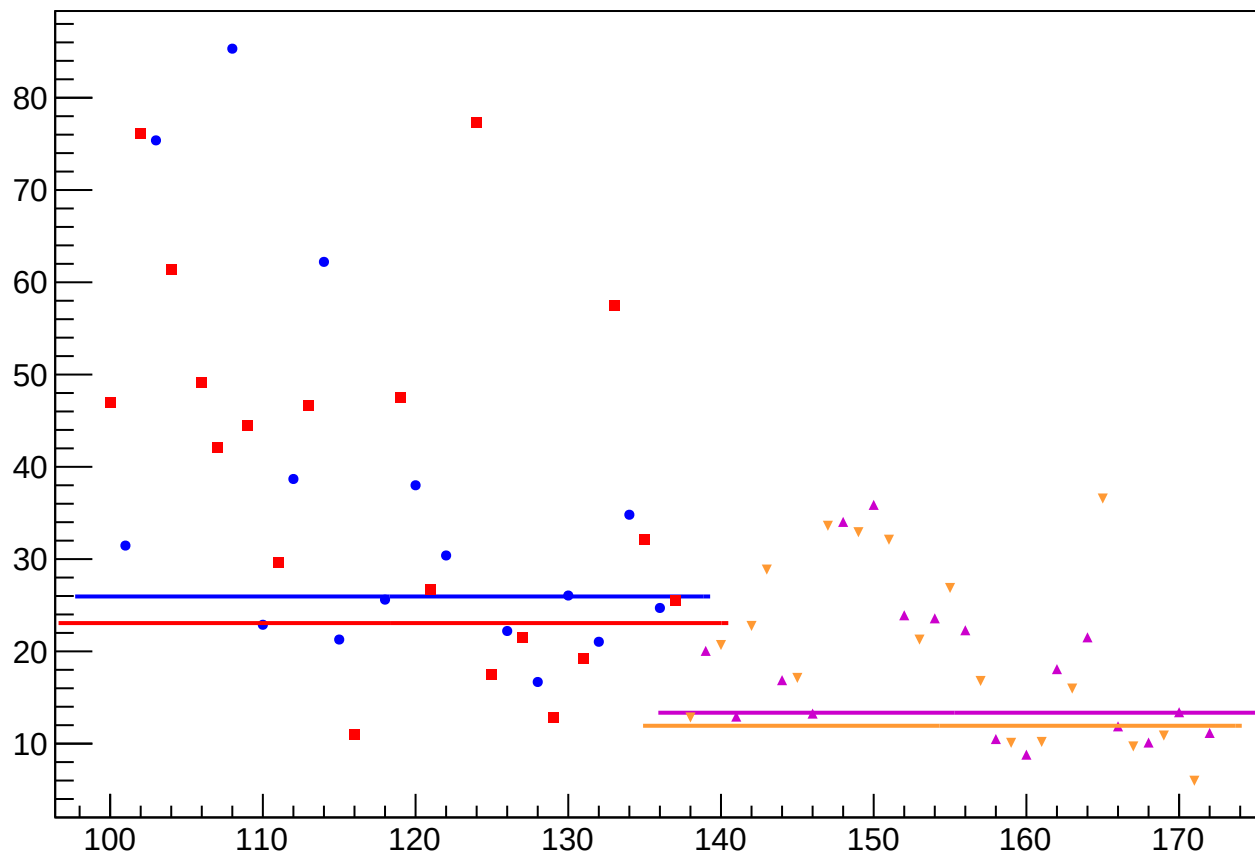
Left In: 0.006 ± 0.004 $\chi^2/\text{NDF}: 12.2/16$

+ sign 0.010 ± 0.004 $\chi^2/\text{NDF}: 62.2/33$

All: 0.009 ± 0.003 $\chi^2/\text{NDF}: 84.5/69$

- sign 0.008 ± 0.004 $\chi^2/\text{NDF}: 22.3/35$

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.950 $\pm$ 0.008 χ^2 /NDF: 1381591.4/15

Left Out: 11.937 $\pm$ 0.003 χ^2 /NDF: 5677070.1/17

Right Out: 23.066 $\pm$ 0.007 χ^2 /NDF: 3360688.5/18

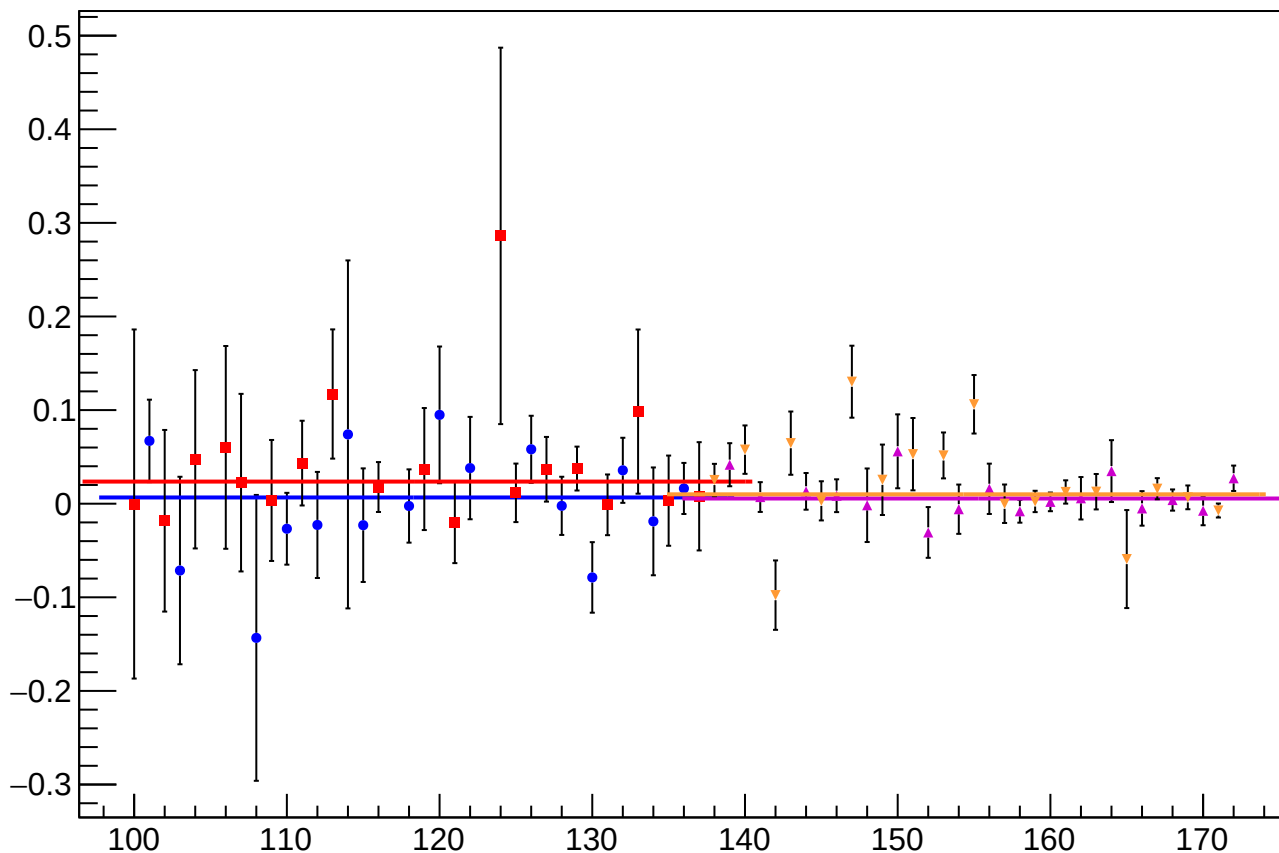
Left In: 13.351 $\pm$ 0.003 χ^2 /NDF: 3229251.5/16

+ sign 13.491 $\pm$ 0.003 χ^2 /NDF: 9892640.8/33

All: 14.056 $\pm$ 0.002 χ^2 /NDF: 18058184.6/69

- sign 14.682 $\pm$ 0.003 χ^2 /NDF: 8066939.0/35

asym_sam_37_dd_eigen_dit_vs_eigen_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

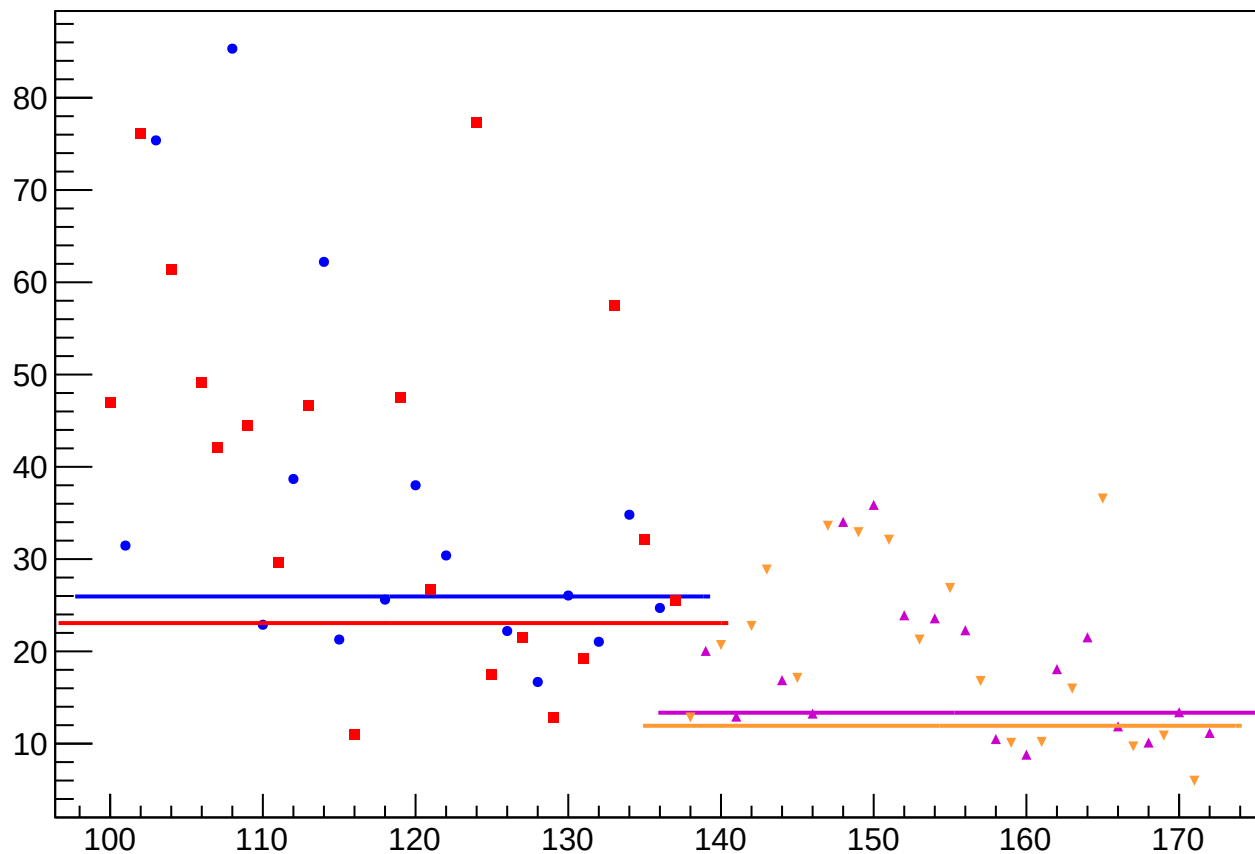
Left In: 0.006 ± 0.004 χ^2/NDF : 12.2/16

+ sign 0.010 ± 0.004 χ^2/NDF : 62.2/33

All: 0.009 ± 0.003 χ^2/NDF : 84.5/69

- sign 0.008 ± 0.004 χ^2/NDF : 22.3/35

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.950 $\pm$ 0.008 χ^2 /NDF: 1381591.4/15

Left Out: 11.937 $\pm$ 0.003 χ^2 /NDF: 5677070.1/17

Right Out: 23.066 $\pm$ 0.007 χ^2 /NDF: 3360688.5/18

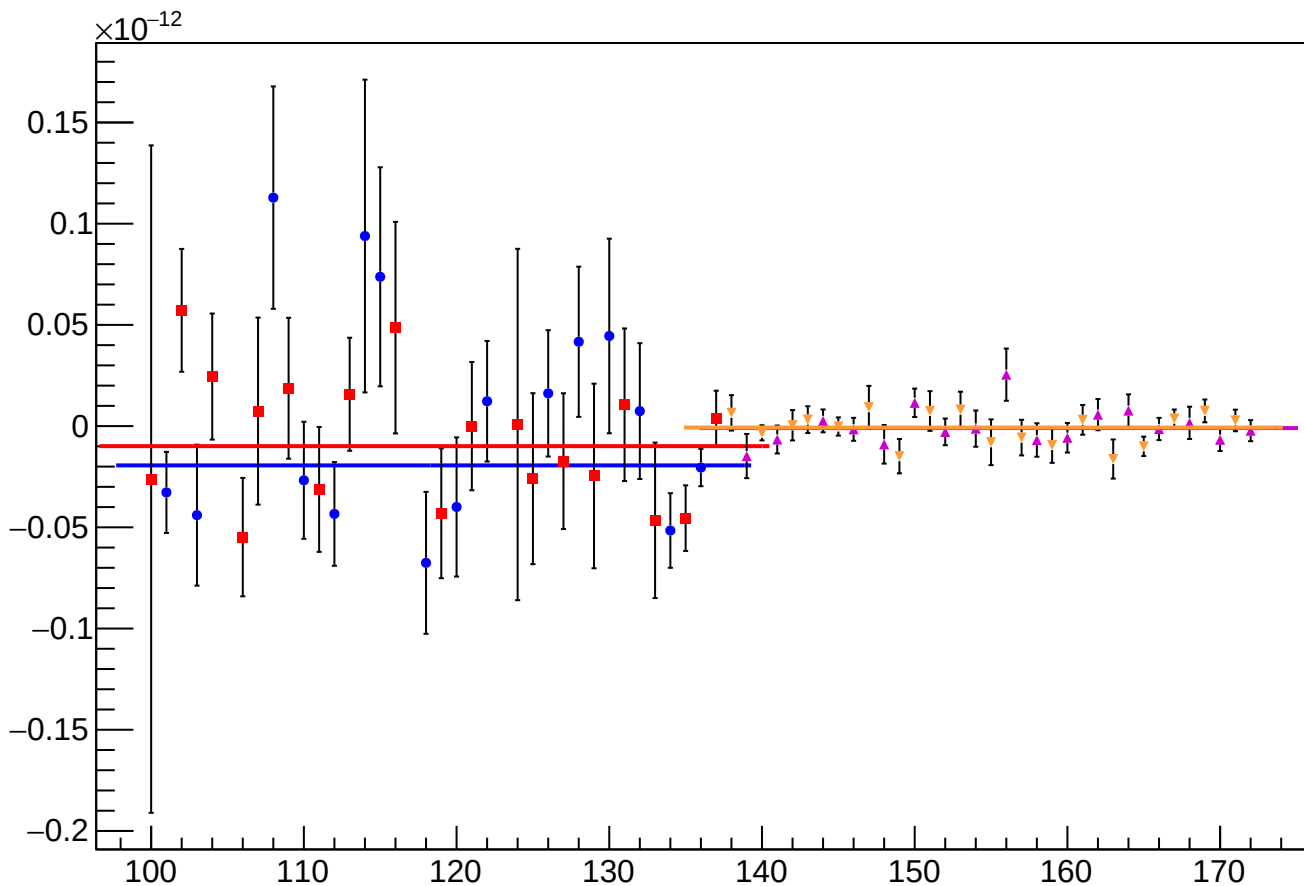
Left In: 13.351 $\pm$ 0.003 χ^2 /NDF: 3229251.5/16

+ sign 13.491 $\pm$ 0.003 χ^2 /NDF: 9892640.8/33

All: 14.056 $\pm$ 0.002 χ^2 /NDF: 18058184.6/69

- sign 14.682 $\pm$ 0.003 χ^2 /NDF: 8066939.0/35

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

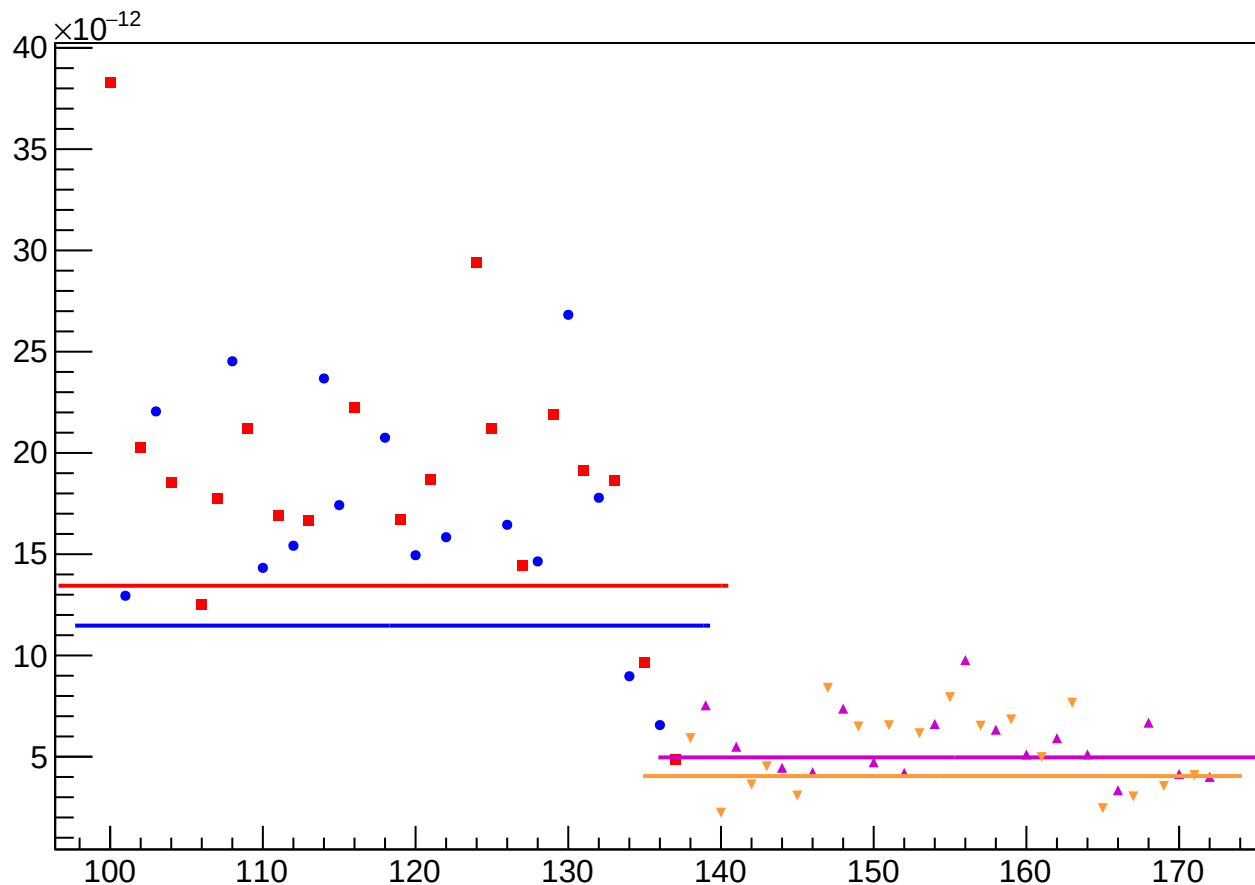
Left In: -0.000 ± 0.000 χ^2/NDF : 14.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 53.4/33

All: -0.000 ± 0.000 χ^2/NDF : 90.3/69

- sign -0.000 ± 0.000 χ^2/NDF : 36.9/35

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1598593.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2670010.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1672848.8/18

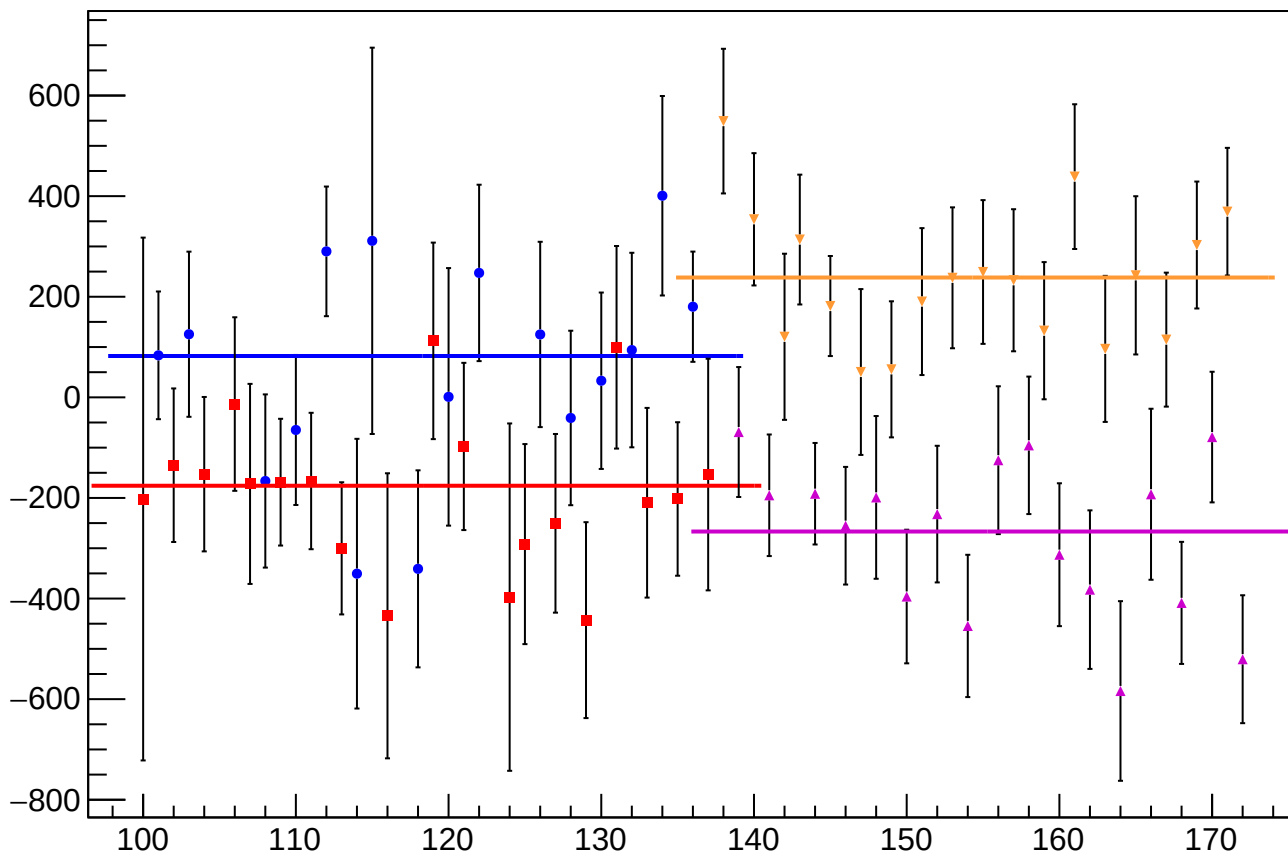
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1140629.2/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7125673.8/33

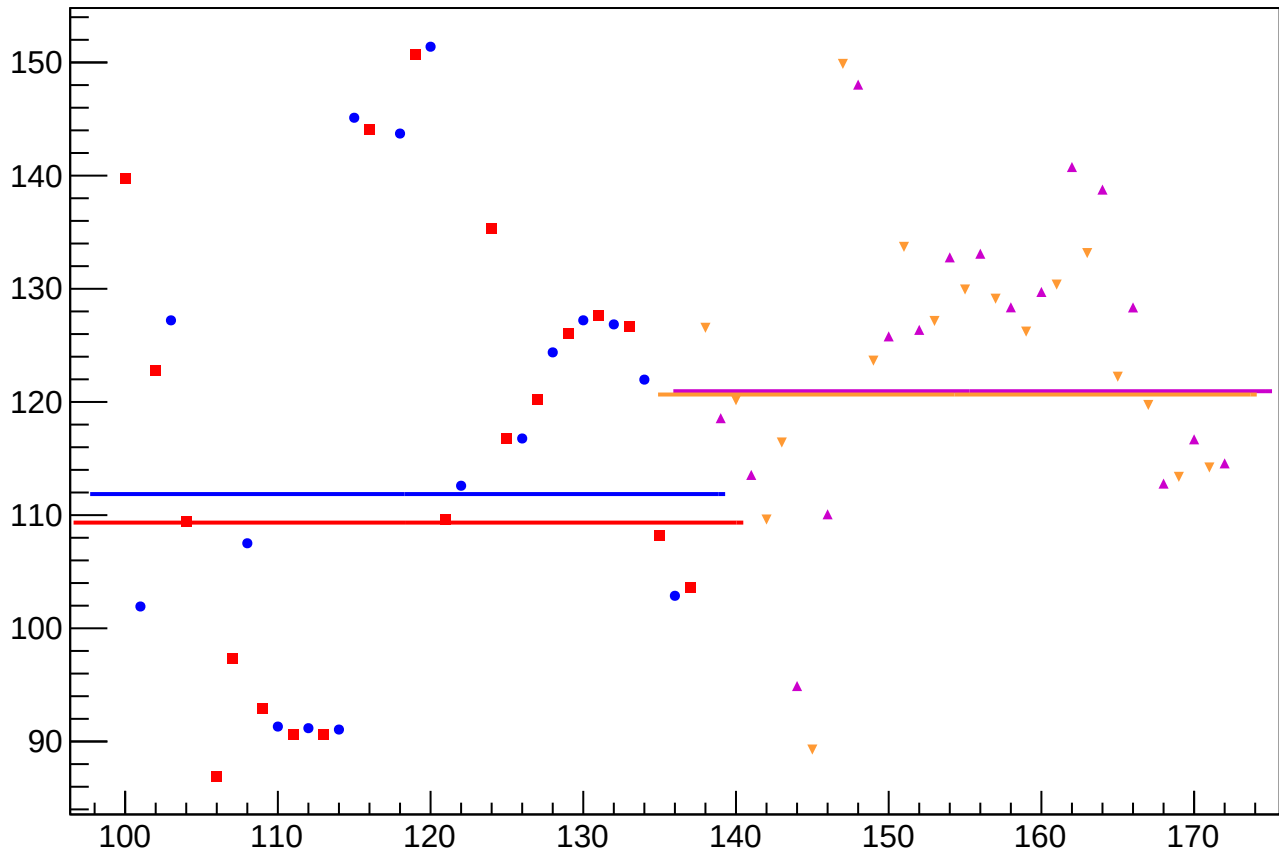
All: 0.000 $\pm$ 0.000 χ^2/NDF : 13286535.9/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5757809.7/35

reg_asym_sam_48_dd_mean vs Slug



reg_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306023.8/15

Left Out: 120.658 $\pm$ 0.023 χ^2 /NDF: 352512.1/17

Right Out: 109.340 $\pm$ 0.029 χ^2 /NDF: 367219.9/18

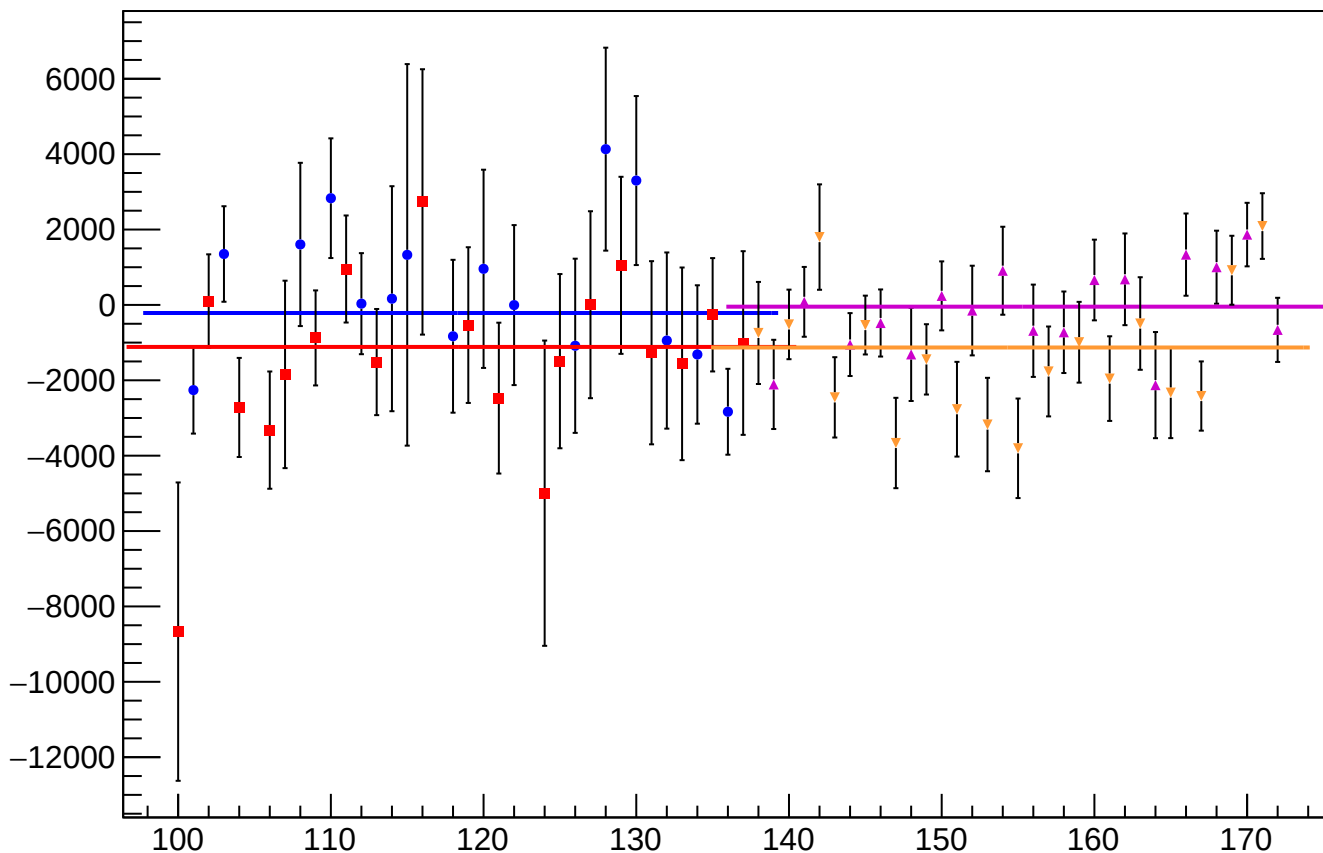
Left In: 120.950 $\pm$ 0.023 χ^2 /NDF: 333372.9/16

+ sign 117.413 $\pm$ 0.018 χ^2 /NDF: 713547.5/33

All: 116.911 $\pm$ 0.013 χ^2 /NDF: 1514990.3/69

- sign 116.417 $\pm$ 0.018 χ^2 /NDF: 799915.5/35

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

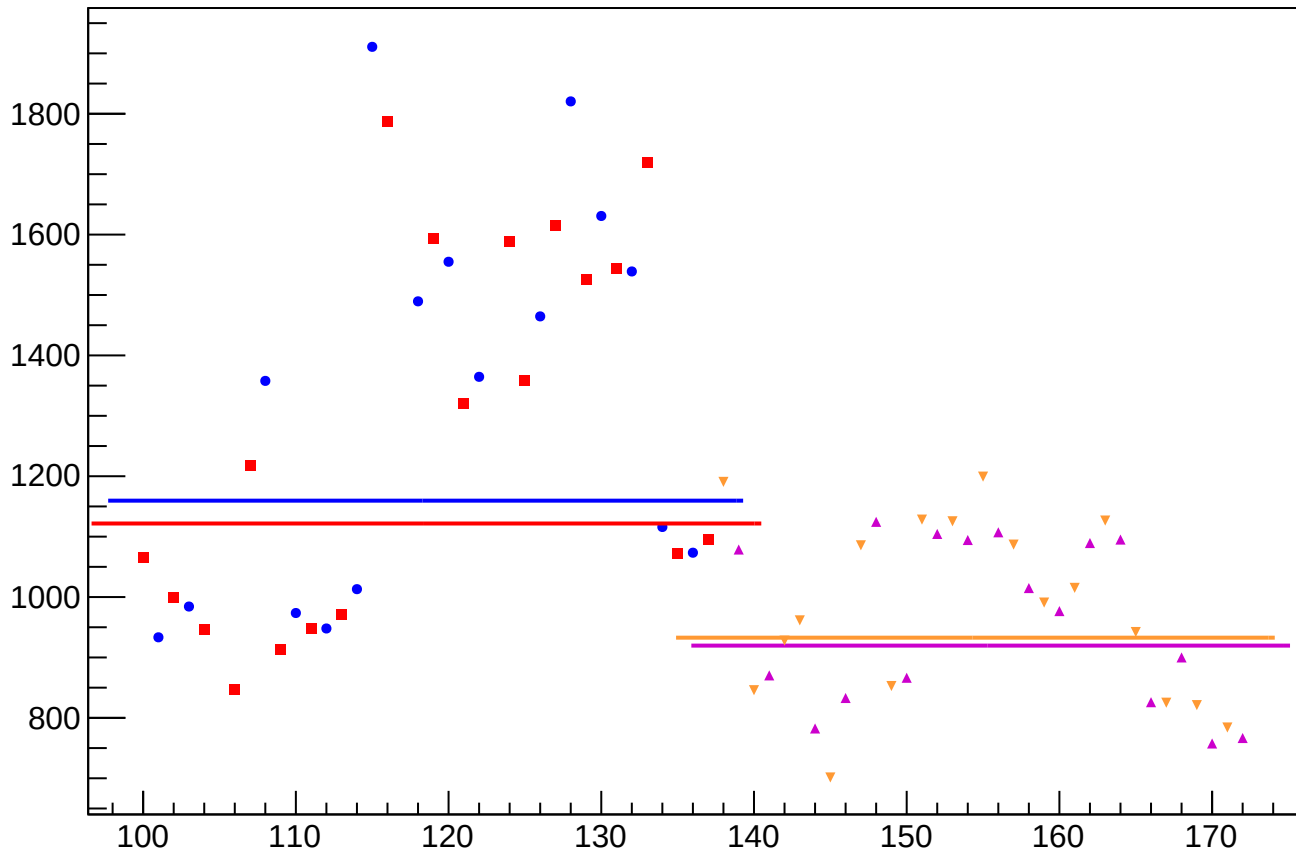
Left In: -46.580 ± 248.959 χ^2/NDF : 18.7/16

+ sign -907.818 ± 218.505 χ^2/NDF : 66.6/33

All: -609.242 ± 153.093 χ^2/NDF : 108.2/69

- sign -321.346 ± 214.561 χ^2/NDF : 37.9/35

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1159.567 $\pm$ 0.314 χ^2 /NDF: 683693.3/15

Left Out: 932.761 $\pm$ 0.177 χ^2 /NDF: 708566.9/17

Right Out: 1121.752 $\pm$ 0.299 χ^2 /NDF: 782273.3/18

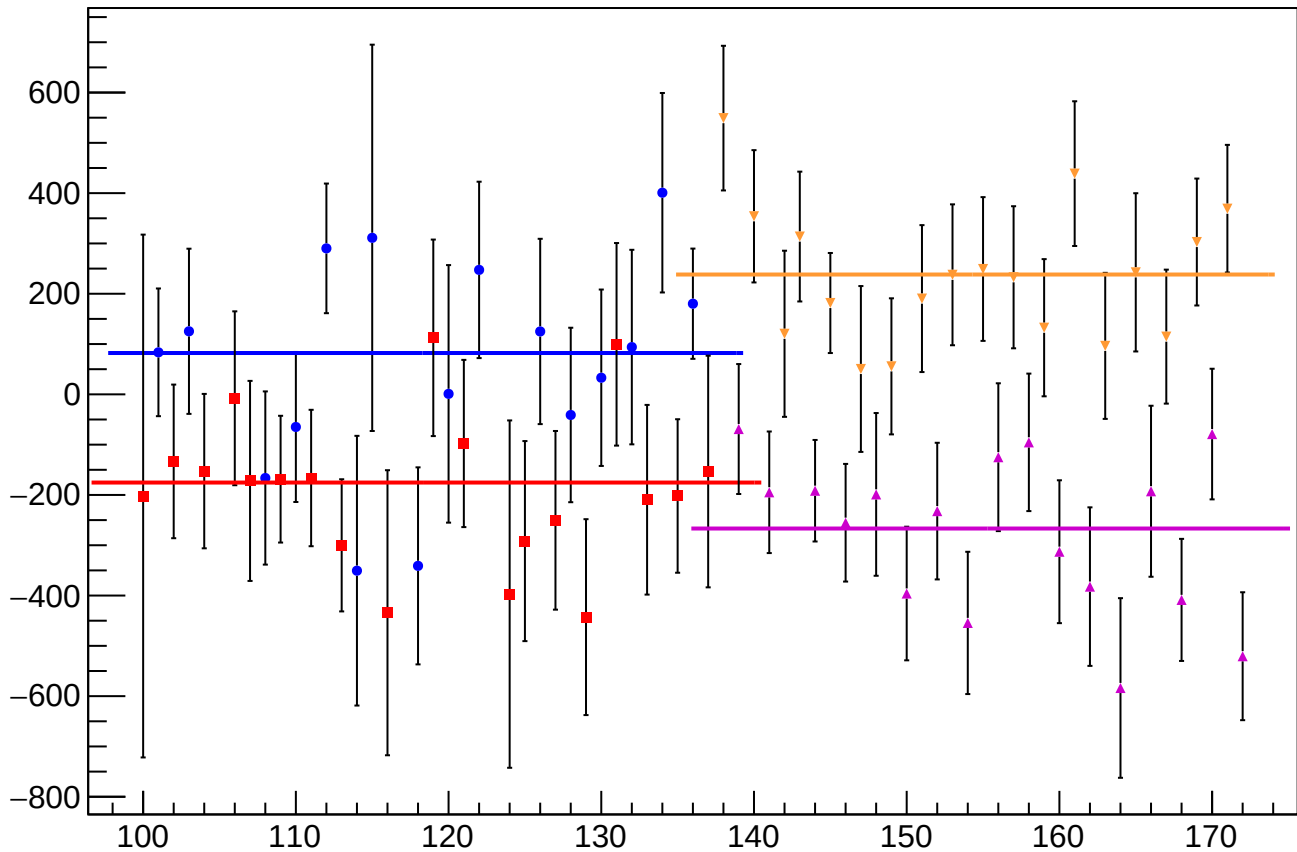
Left In: 919.625 $\pm$ 0.176 χ^2 /NDF: 561863.2/16

+ sign 987.701 $\pm$ 0.155 χ^2 /NDF: 1787792.0/33

All: 979.514 $\pm$ 0.108 χ^2 /NDF: 3476572.6/69

- sign 971.620 $\pm$ 0.152 χ^2 /NDF: 1683265.9/35

cor_asym_sam_48_dd_mean vs Slug



Right In: 82.185 ± 42.133 $\chi^2/\text{NDF}: 18.4/15$

Left Out: 238.225 ± 32.213 $\chi^2/\text{NDF}: 15.5/17$

Right Out: -175.338 ± 40.678 $\chi^2/\text{NDF}: 9.9/18$

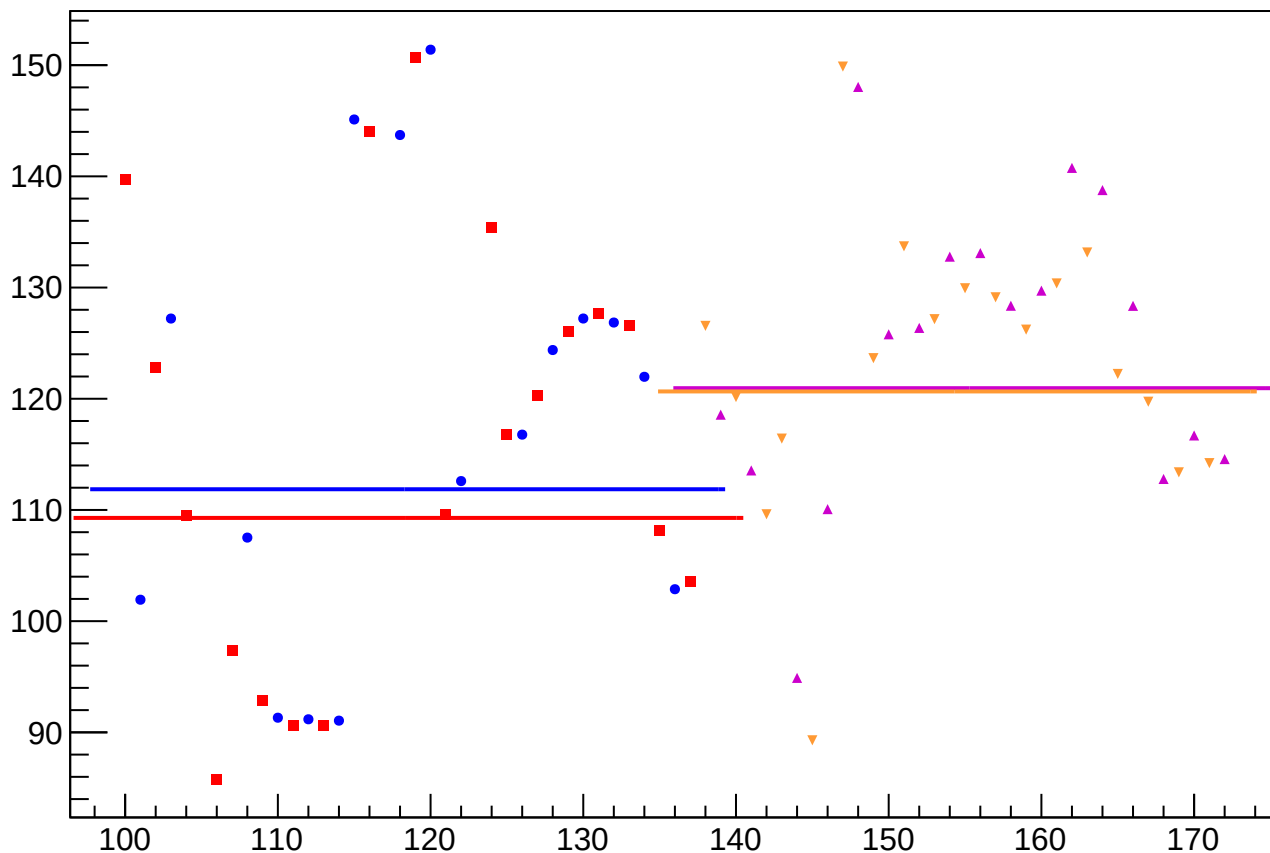
Left In: -266.748 ± 32.555 $\chi^2/\text{NDF}: 20.1/16$

+ sign 180.662 ± 25.590 $\chi^2/\text{NDF}: 42.6/33$

All: -26.596 ± 18.034 $\chi^2/\text{NDF}: 206.0/69$

- sign -231.059 ± 25.417 $\chi^2/\text{NDF}: 33.2/35$

cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 120.658 $\pm$ 0.023 χ^2 /NDF: 352512.1/17

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

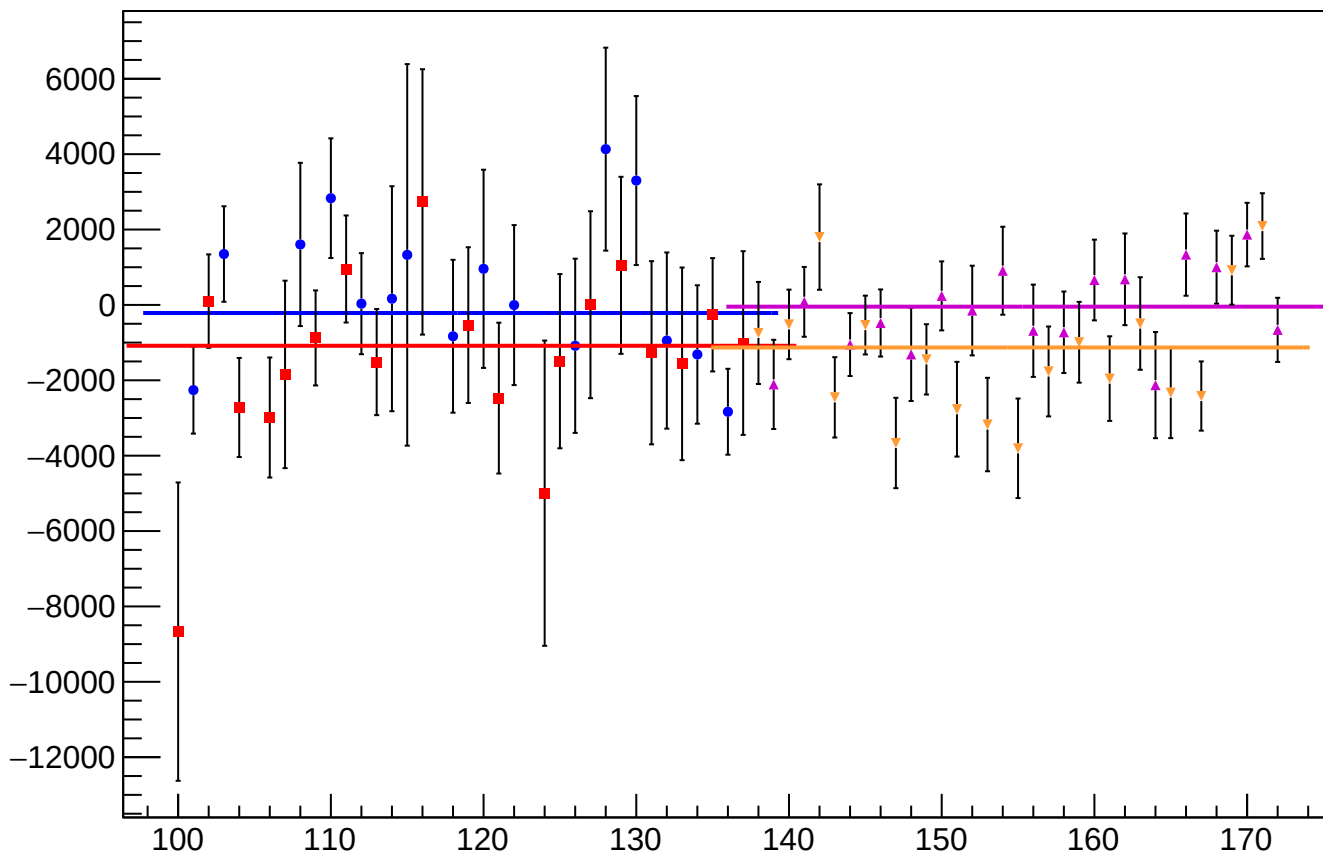
Left In: 120.950 $\pm$ 0.023 χ^2 /NDF: 333372.9/16

+ sign 117.413 $\pm$ 0.018 χ^2 /NDF: 713548.2/33

All: 116.901 $\pm$ 0.013 χ^2 /NDF: 1519494.3/69

- sign 116.395 $\pm$ 0.018 χ^2 /NDF: 804353.3/35

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -214.278 ± 443.965 χ^2/NDF : 20.4/15

Left Out: -1129.546 ± 251.011 χ^2/NDF : 42.9/17

Right Out: -1083.943 ± 423.774 χ^2/NDF : 13.9/18

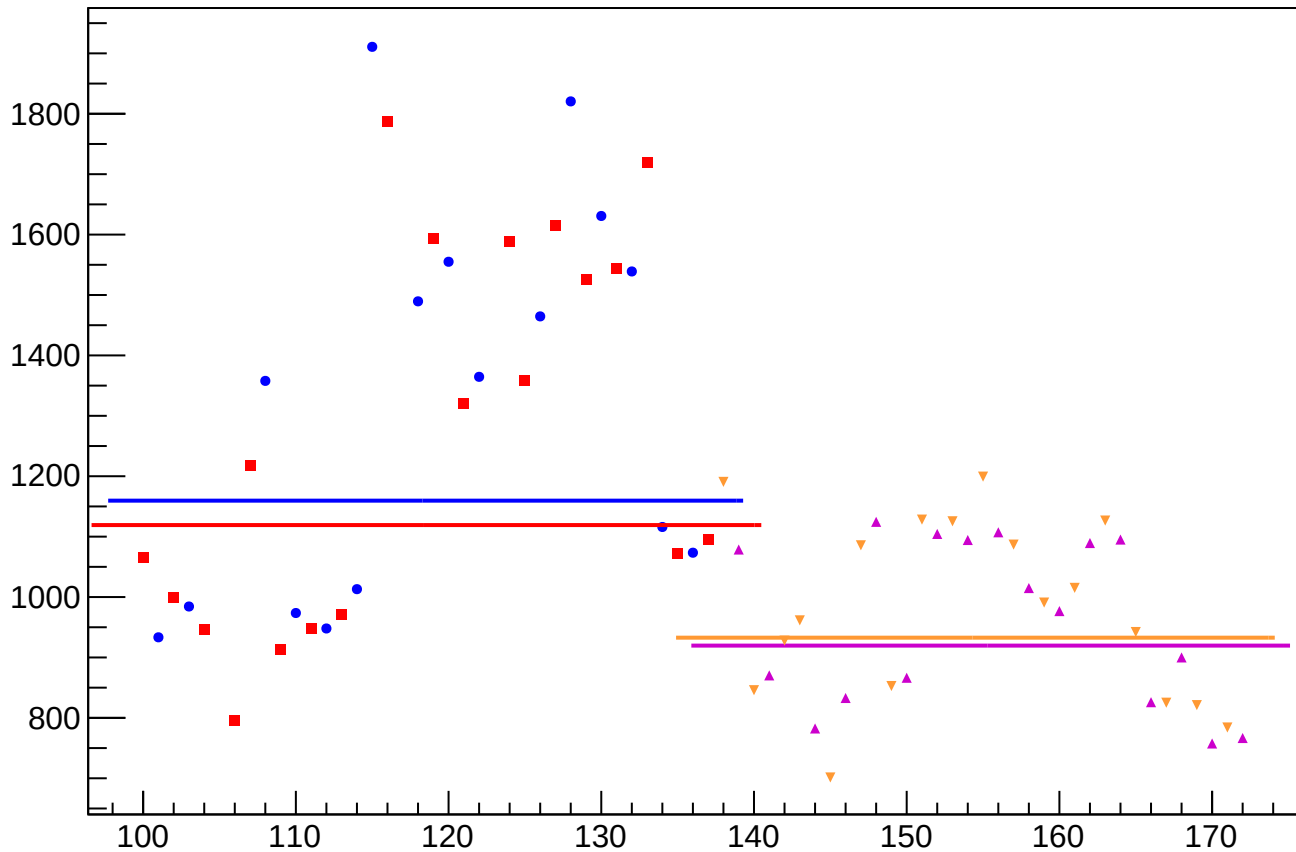
Left In: -46.587 ± 248.959 χ^2/NDF : 18.7/16

+ sign -907.841 ± 218.506 χ^2/NDF : 66.6/33

All: -605.010 ± 153.128 χ^2/NDF : 107.3/69

- sign -312.751 ± 214.657 χ^2/NDF : 37.0/35

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1159.576 $\pm$ 0.314 χ^2 /NDF: 683662.2/15

Left Out: 932.761 $\pm$ 0.177 χ^2 /NDF: 708568.1/17

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

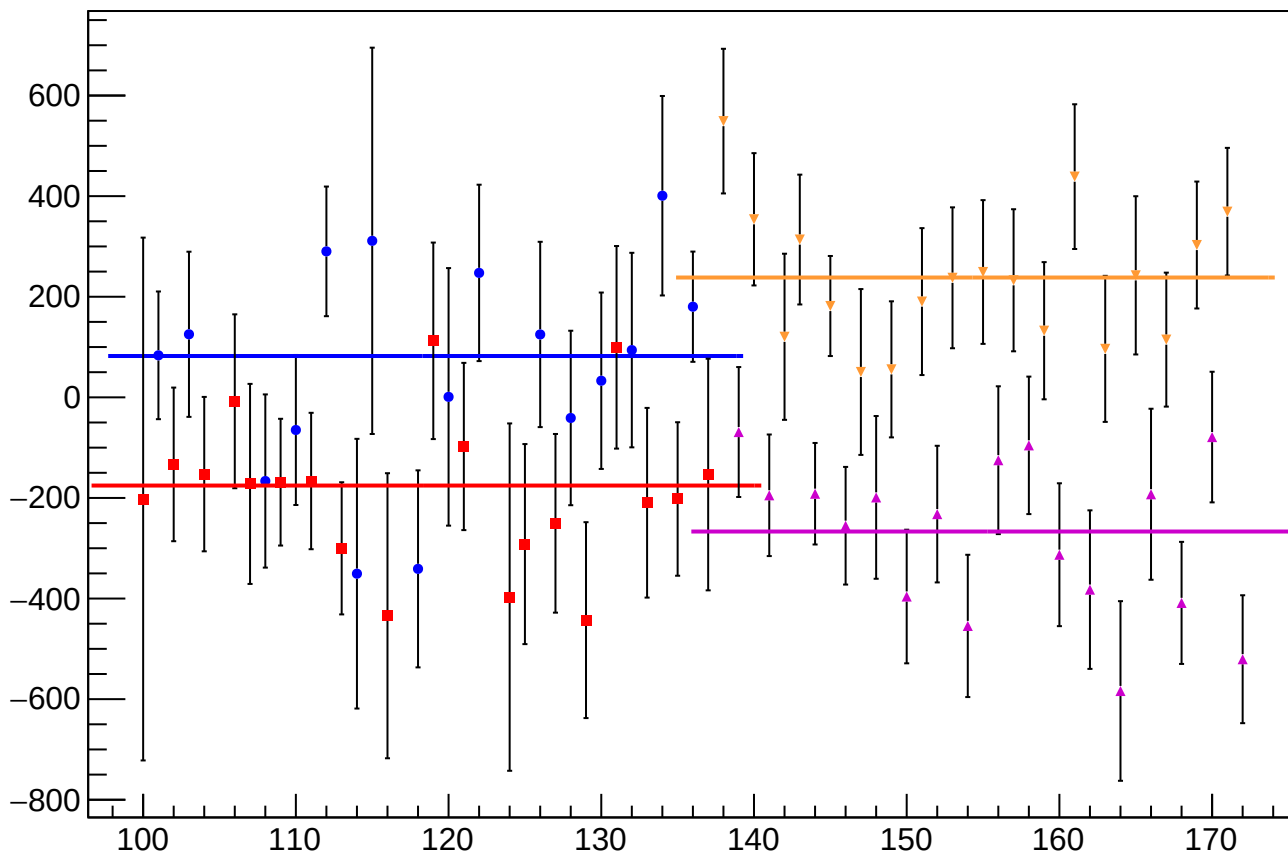
Left In: 919.625 $\pm$ 0.176 χ^2 /NDF: 561863.2/16

+ sign 987.703 $\pm$ 0.155 χ^2 /NDF: 1787791.8/33

All: 979.111 $\pm$ 0.108 χ^2 /NDF: 3488506.4/69

- sign 970.820 $\pm$ 0.152 χ^2 /NDF: 1694638.9/35

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

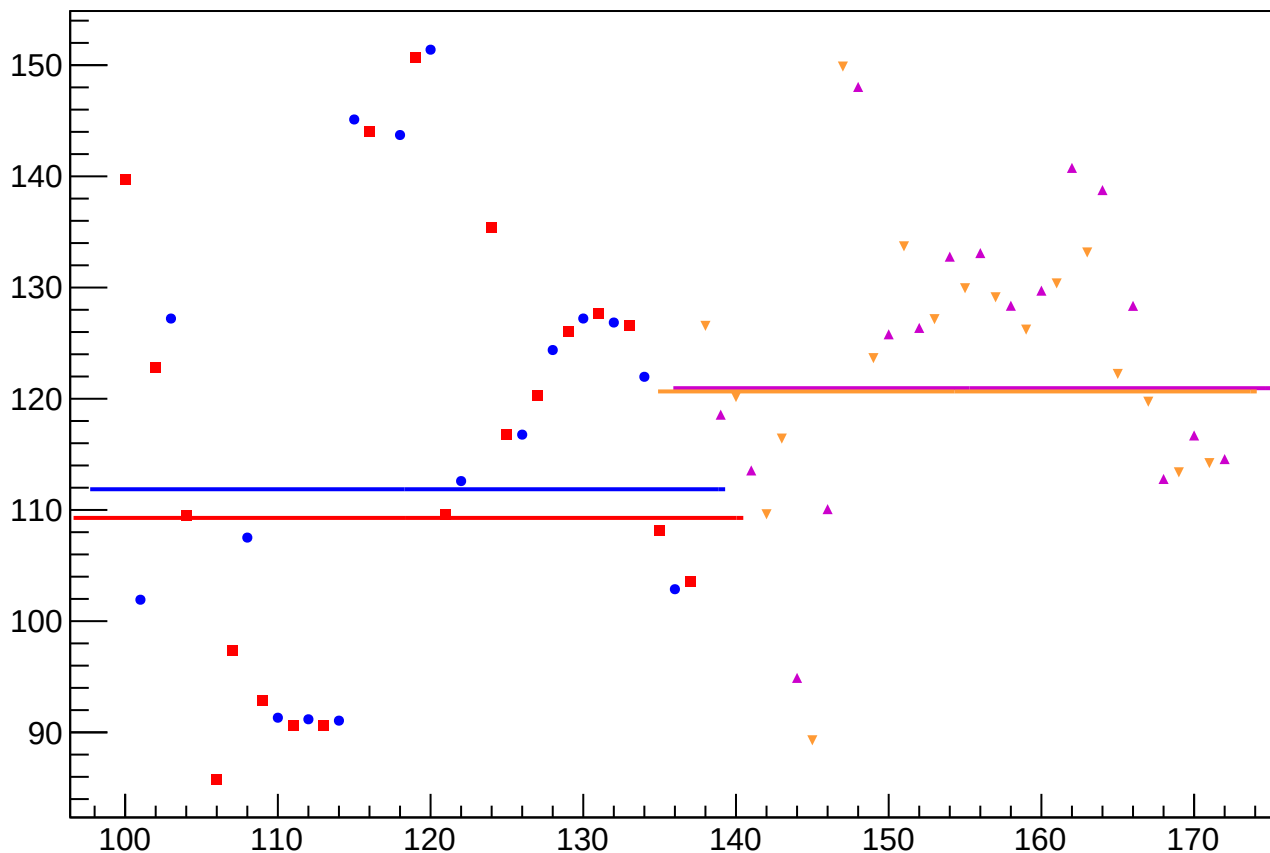
Left In: -266.748 ± 32.555 χ^2/NDF : 20.1/16

+ sign 180.662 ± 25.590 χ^2/NDF : 42.6/33

All: -26.596 ± 18.034 χ^2/NDF : 206.0/69

- sign -231.059 ± 25.417 χ^2/NDF : 33.2/35

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 111.862 $\pm$ 0.030 χ^2 /NDF: 306025.0/15

Left Out: 120.658 $\pm$ 0.023 χ^2 /NDF: 352512.1/17

Right Out: 109.284 $\pm$ 0.029 χ^2 /NDF: 370711.7/18

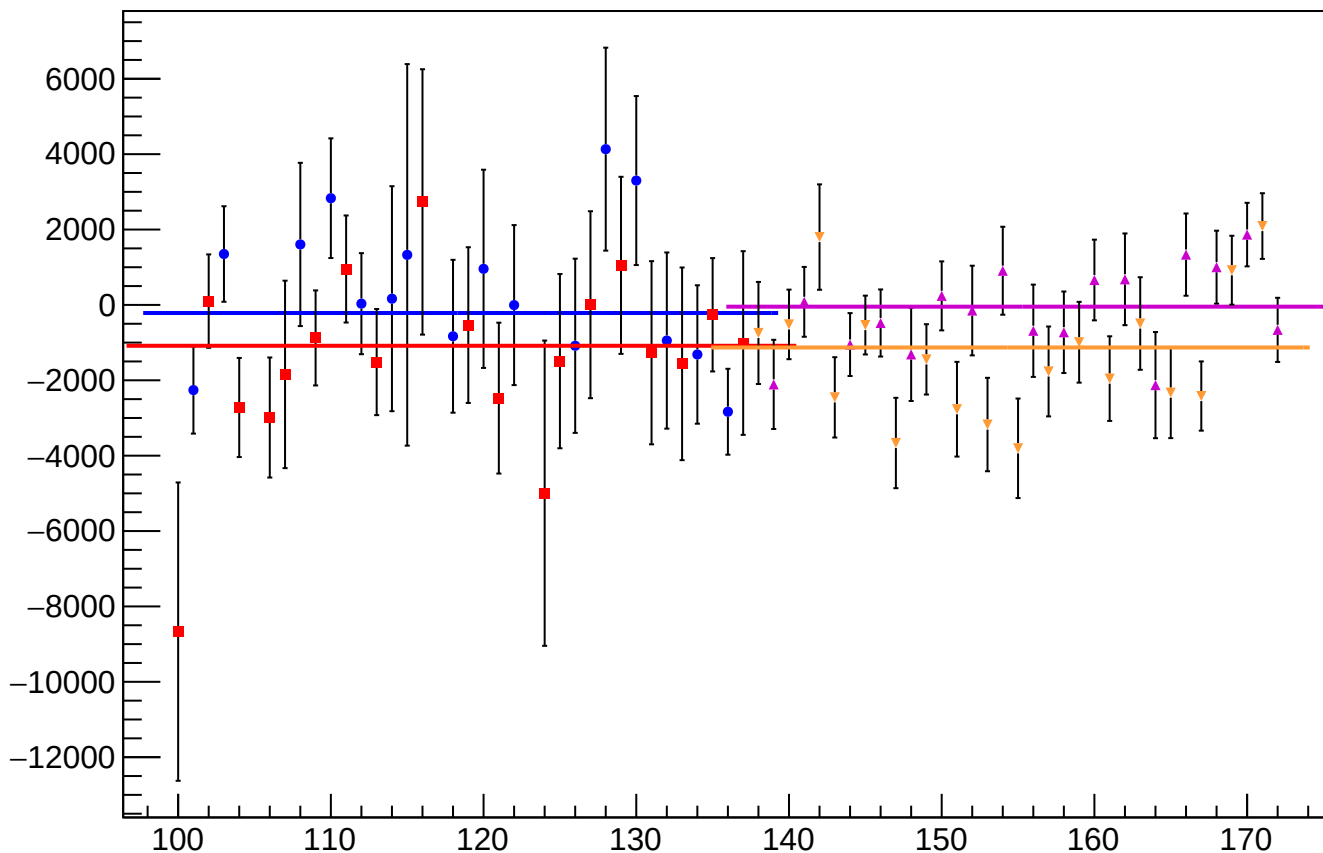
Left In: 120.950 $\pm$ 0.023 χ^2 /NDF: 333372.9/16

+ sign 117.413 $\pm$ 0.018 χ^2 /NDF: 713548.2/33

All: 116.901 $\pm$ 0.013 χ^2 /NDF: 1519494.3/69

- sign 116.395 $\pm$ 0.018 χ^2 /NDF: 804353.3/35

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -214.278 ± 443.965 χ^2/NDF : 20.4/15

Left Out: -1129.546 ± 251.011 χ^2/NDF : 42.9/17

Right Out: -1083.943 ± 423.774 χ^2/NDF : 13.9/18

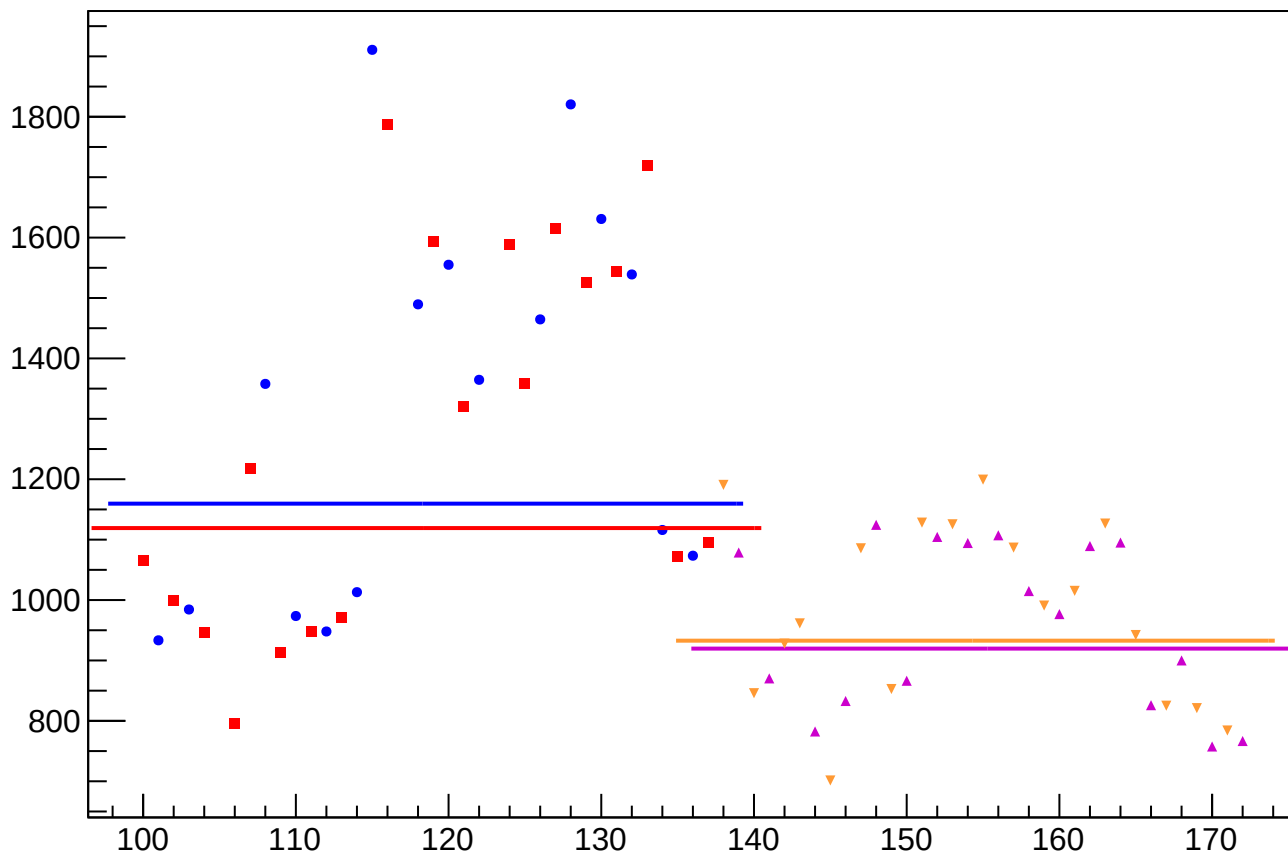
Left In: -46.587 ± 248.959 χ^2/NDF : 18.7/16

+ sign -907.841 ± 218.506 χ^2/NDF : 66.6/33

All: -605.010 ± 153.128 χ^2/NDF : 107.3/69

- sign -312.751 ± 214.657 χ^2/NDF : 37.0/35

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1159.576 $\pm$ 0.314 χ^2 /NDF: 683662.2/15

Left Out: 932.761 $\pm$ 0.177 χ^2 /NDF: 708568.1/17

Right Out: 1119.156 $\pm$ 0.300 χ^2 /NDF: 803154.6/18

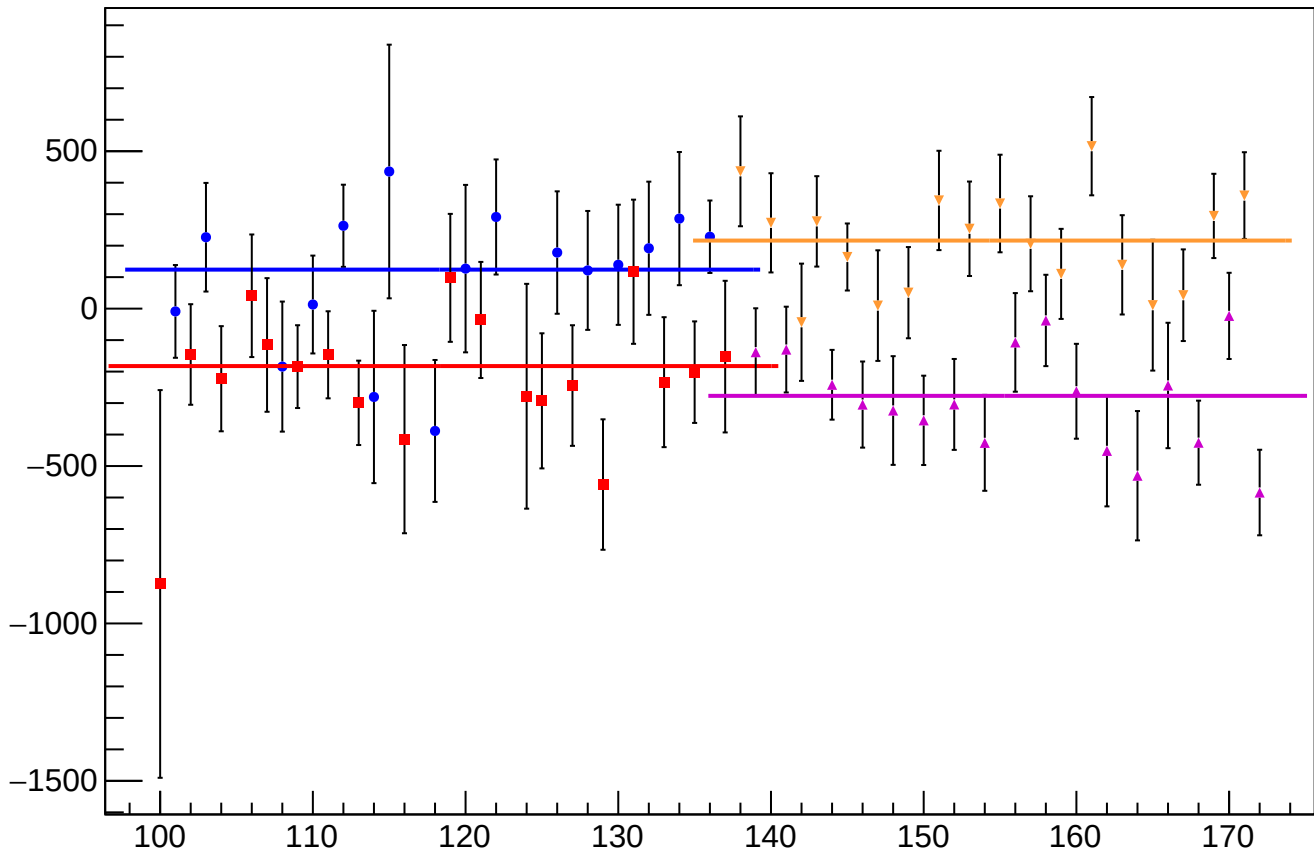
Left In: 919.625 $\pm$ 0.176 χ^2 /NDF: 561863.2/16

+ sign 987.703 $\pm$ 0.155 χ^2 /NDF: 1787791.8/33

All: 979.111 $\pm$ 0.108 χ^2 /NDF: 3488506.4/69

- sign 970.820 $\pm$ 0.152 χ^2 /NDF: 1694638.9/35

dit_asym_sam_48_dd_mean vs Slug



Right In: 123.892 $\pm$ 45.238 χ^2/NDF : 15.4/15

Left Out: 216.191 $\pm$ 35.401 χ^2/NDF :16.4/17

Right Out: -182.467 $\pm$ 43.224 χ^2/NDF : 12.3/18

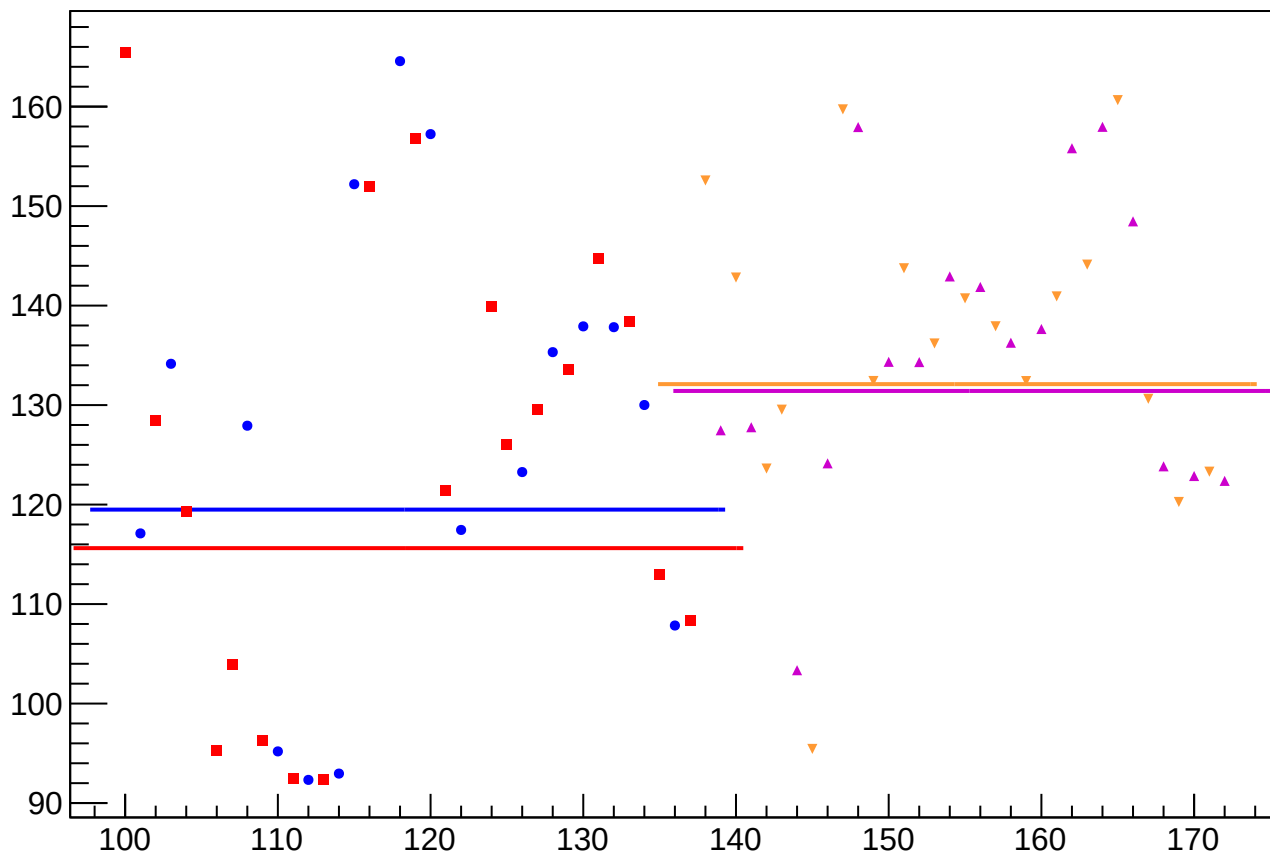
Left In: -277.061 $\pm$ 35.543 χ^2/NDF :19.9/16

+ sign 181.136 $\pm$ 27.879 χ^2/NDF : 34.4/33

All: -32.116 $\pm$ 19.561 χ^2/NDF : 184.7/69

- sign -238.901 $\pm$ 27.454 χ^2/NDF : 35.1/35

dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380250.8/15

Left Out: 132.106 $\pm$ 0.025 χ^2 /NDF: 429503.7/17

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426961.7/18

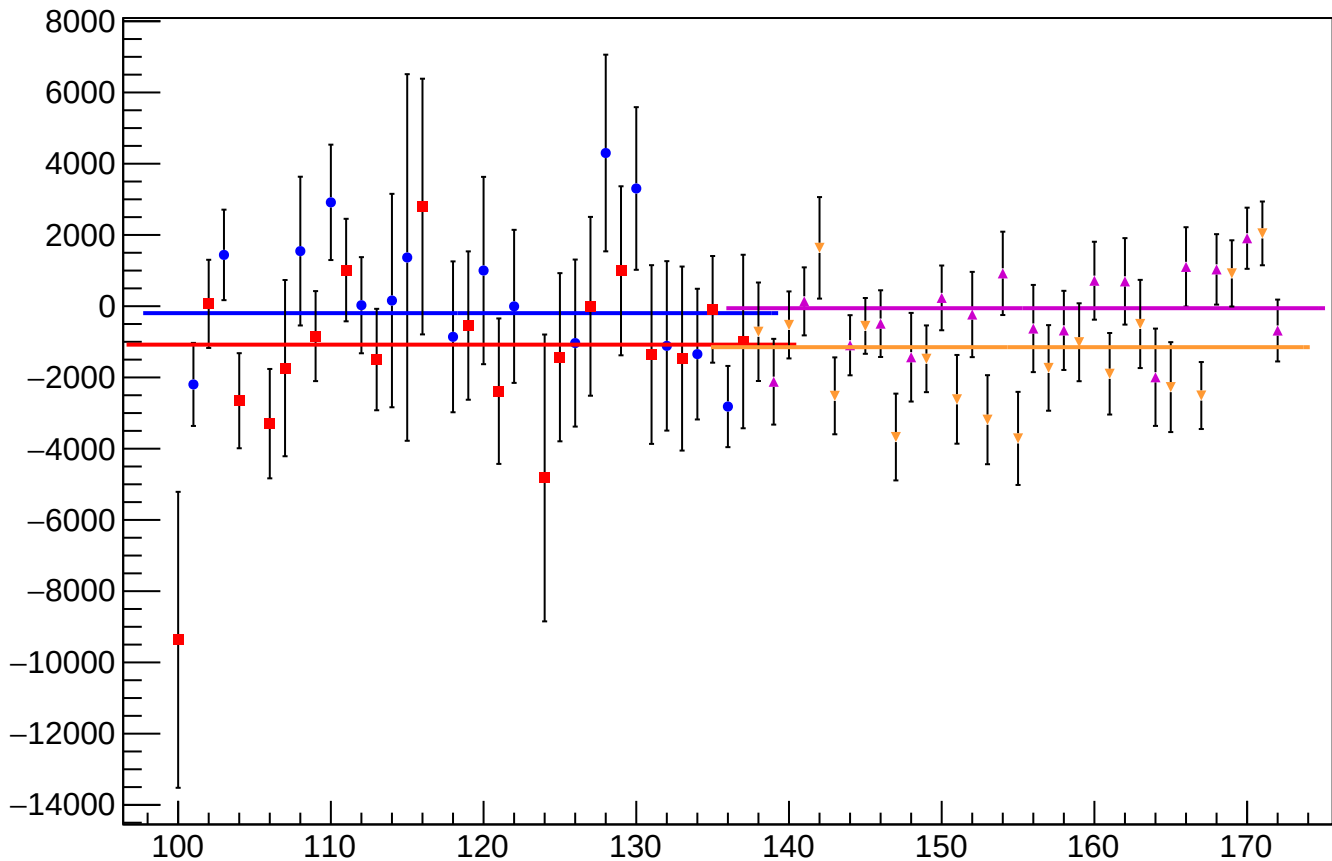
Left In: 131.420 $\pm$ 0.025 χ^2 /NDF: 321289.2/16

+ sign 127.316 $\pm$ 0.020 χ^2 /NDF: 906160.5/33

All: 126.164 $\pm$ 0.014 χ^2 /NDF: 1820536.1/69

- sign 125.047 $\pm$ 0.019 χ^2 /NDF: 907647.8/35

asym_sam_48_dd_dit_correction_mean vs Slug



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

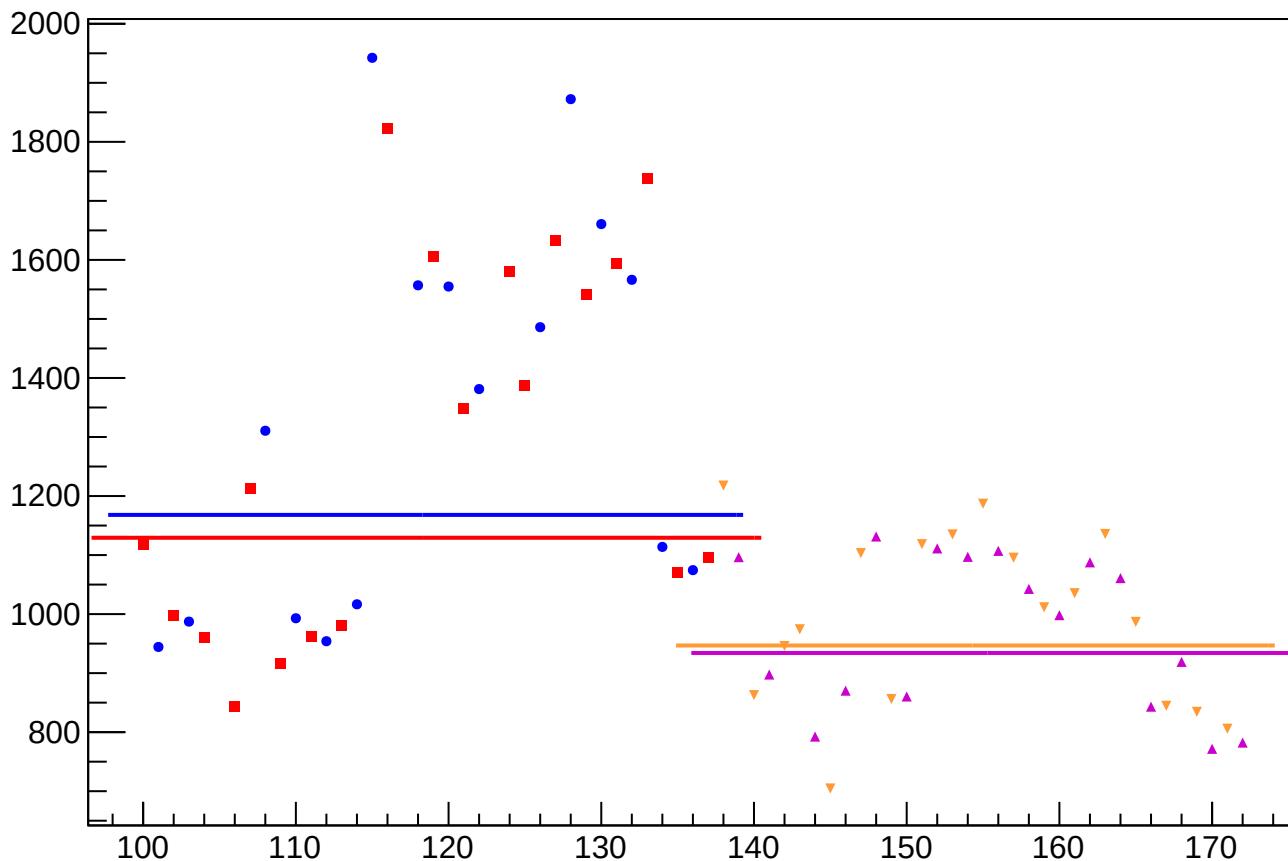
Left In: -56.399 ± 252.720 χ^2/NDF : 18.2/16

+ sign -916.582 ± 221.264 χ^2/NDF : 64.2/33

All: -614.360 ± 155.053 χ^2/NDF : 105.0/69

- sign -322.749 ± 217.344 χ^2/NDF : 37.1/35

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1168.063 $\pm$ 0.316 χ^2 /NDF: 709363.8/15

Left Out: 946.840 $\pm$ 0.180 χ^2 /NDF: 688697.5/17

Right Out: 1129.316 $\pm$ 0.301 χ^2 /NDF: 807222.5/18

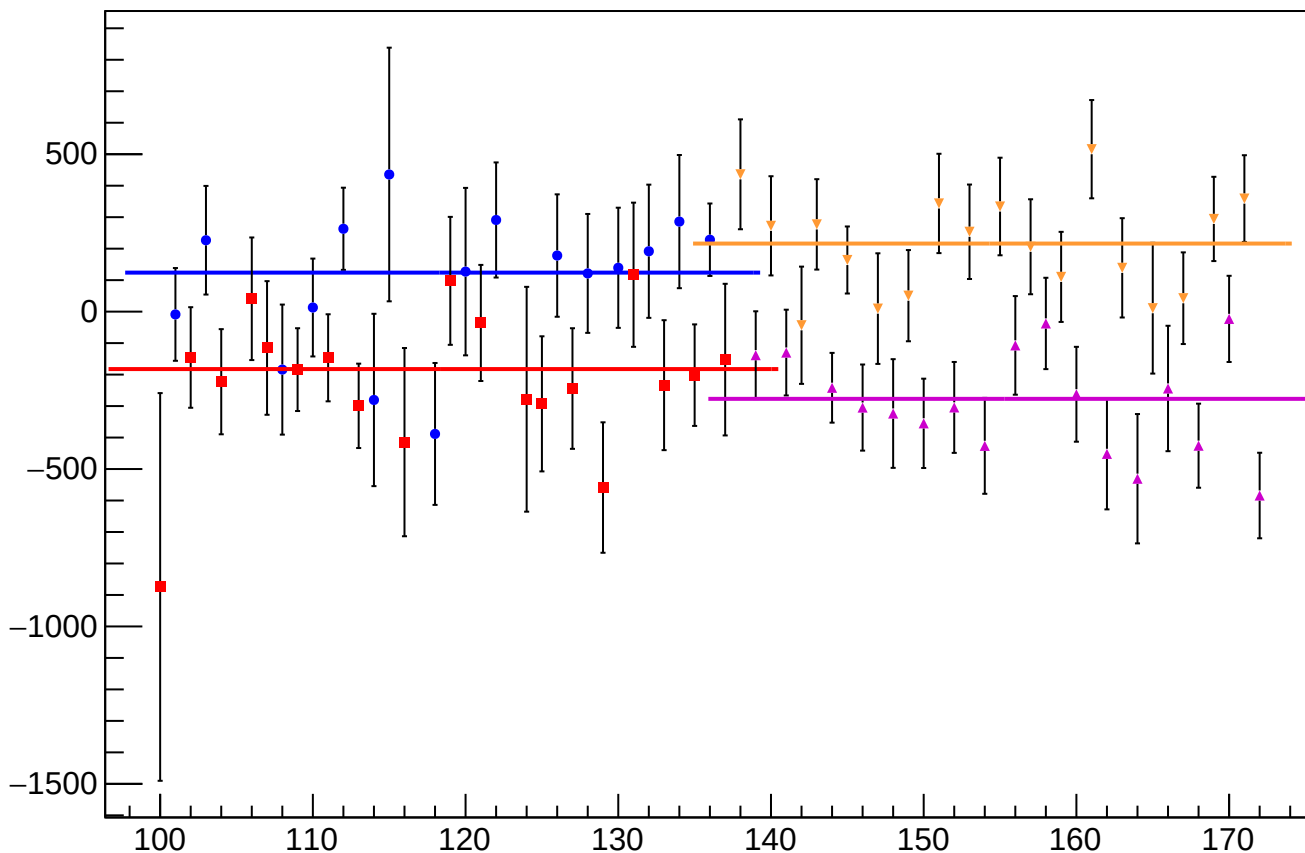
Left In: 934.145 $\pm$ 0.179 χ^2 /NDF: 512526.6/16

+ sign 1000.963 $\pm$ 0.156 χ^2 /NDF: 1767525.0/33

All: 992.819 $\pm$ 0.110 χ^2 /NDF: 3403171.7/69

- sign 984.960 $\pm$ 0.154 χ^2 /NDF: 1630322.3/35

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

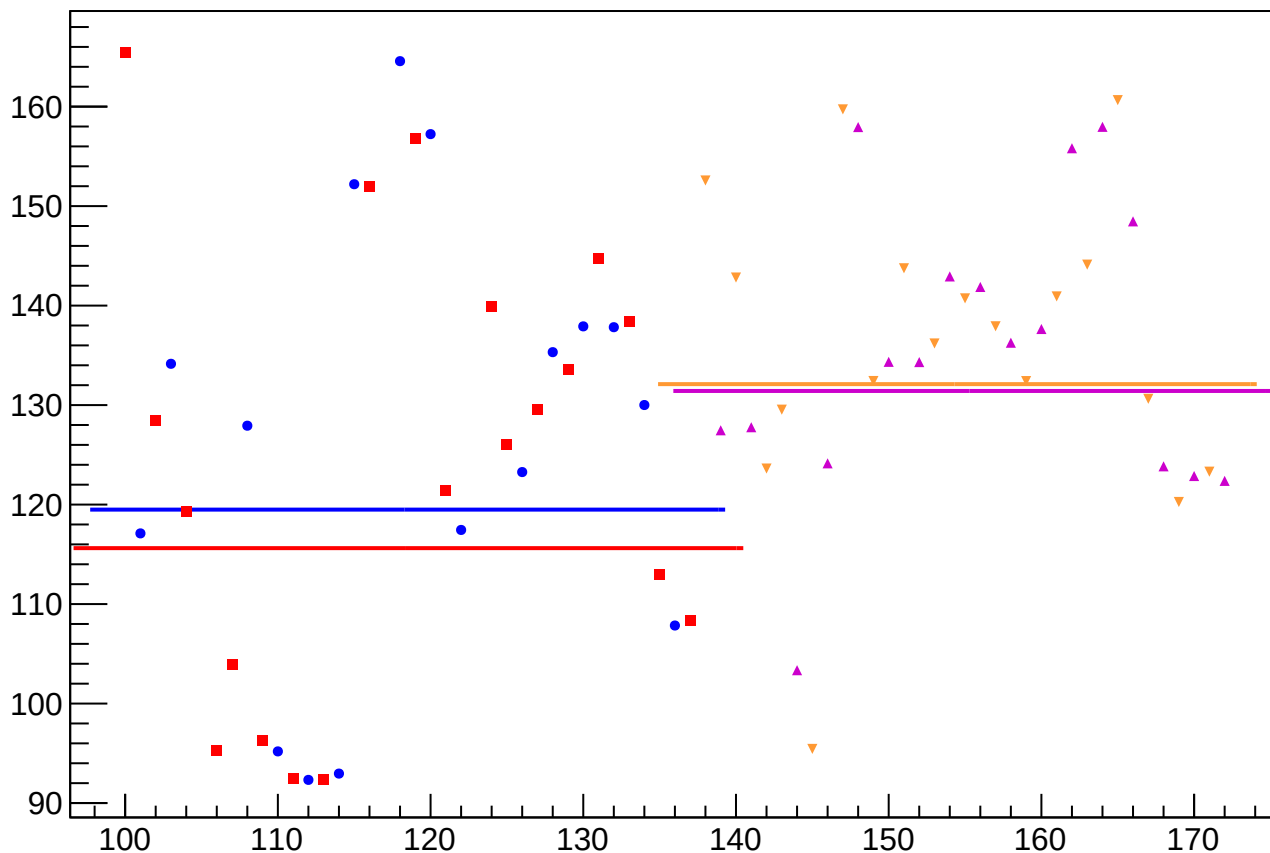
Left In: -277.062 ± 35.543 χ^2/NDF : 19.9/16

+ sign 181.138 ± 27.879 χ^2/NDF : 34.4/33

All: -32.115 ± 19.561 χ^2/NDF : 184.7/69

- sign -238.902 ± 27.454 χ^2/NDF : 35.1/35

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 119.495 $\pm$ 0.032 χ^2 /NDF: 380254.2/15

Left Out: 132.106 $\pm$ 0.025 χ^2 /NDF: 429504.8/17

Right Out: 115.622 $\pm$ 0.031 χ^2 /NDF: 426966.4/18

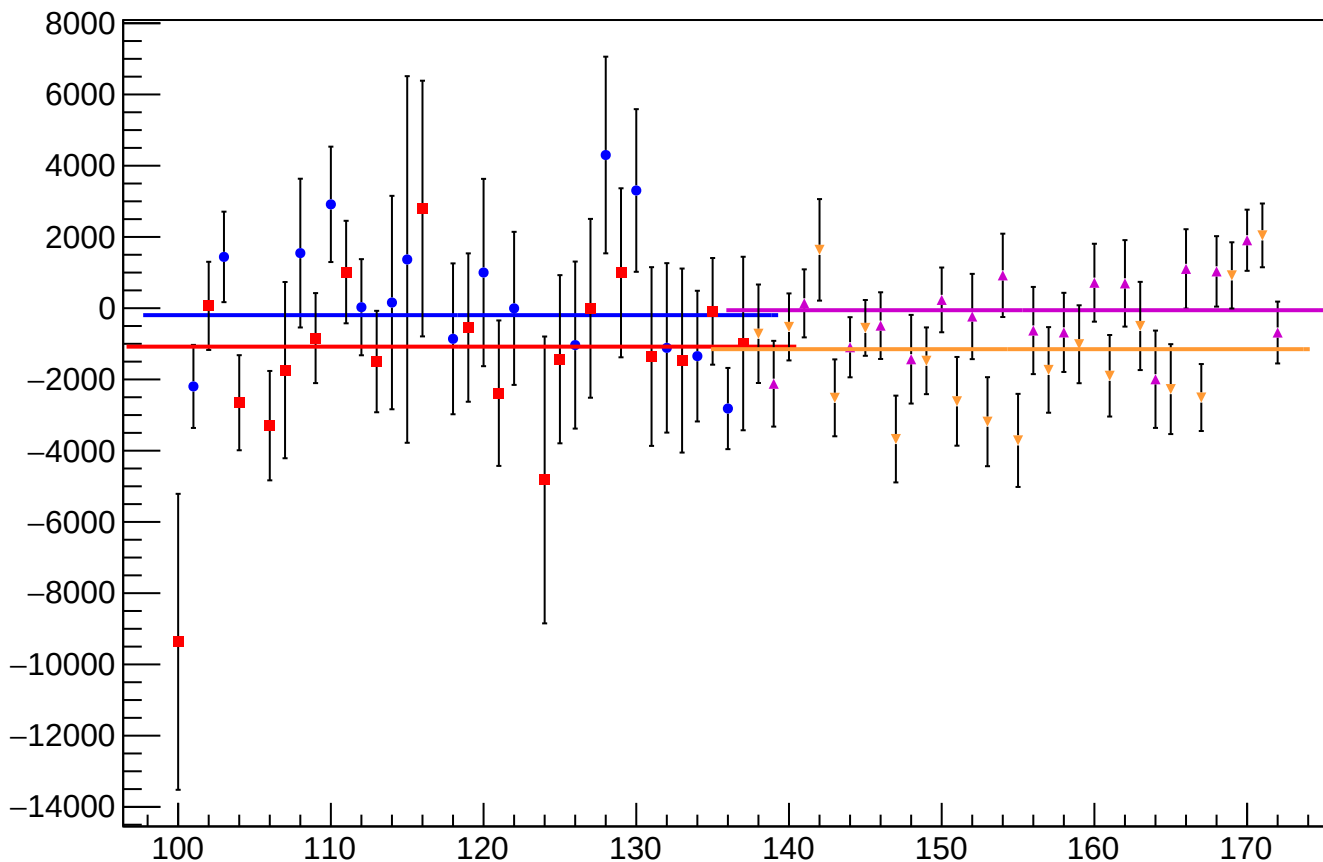
Left In: 131.420 $\pm$ 0.025 χ^2 /NDF: 321289.3/16

+ sign 127.316 $\pm$ 0.020 χ^2 /NDF: 906165.5/33

All: 126.164 $\pm$ 0.014 χ^2 /NDF: 1820547.8/69

- sign 125.047 $\pm$ 0.019 χ^2 /NDF: 907654.2/35

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -195.085 ± 447.334 $\chi^2/\text{NDF}: 20.4/15$

Left Out: -1150.273 ± 254.588 $\chi^2/\text{NDF}: 40.4/17$

Right Out: -1079.393 ± 425.950 $\chi^2/\text{NDF}: 14.6/18$

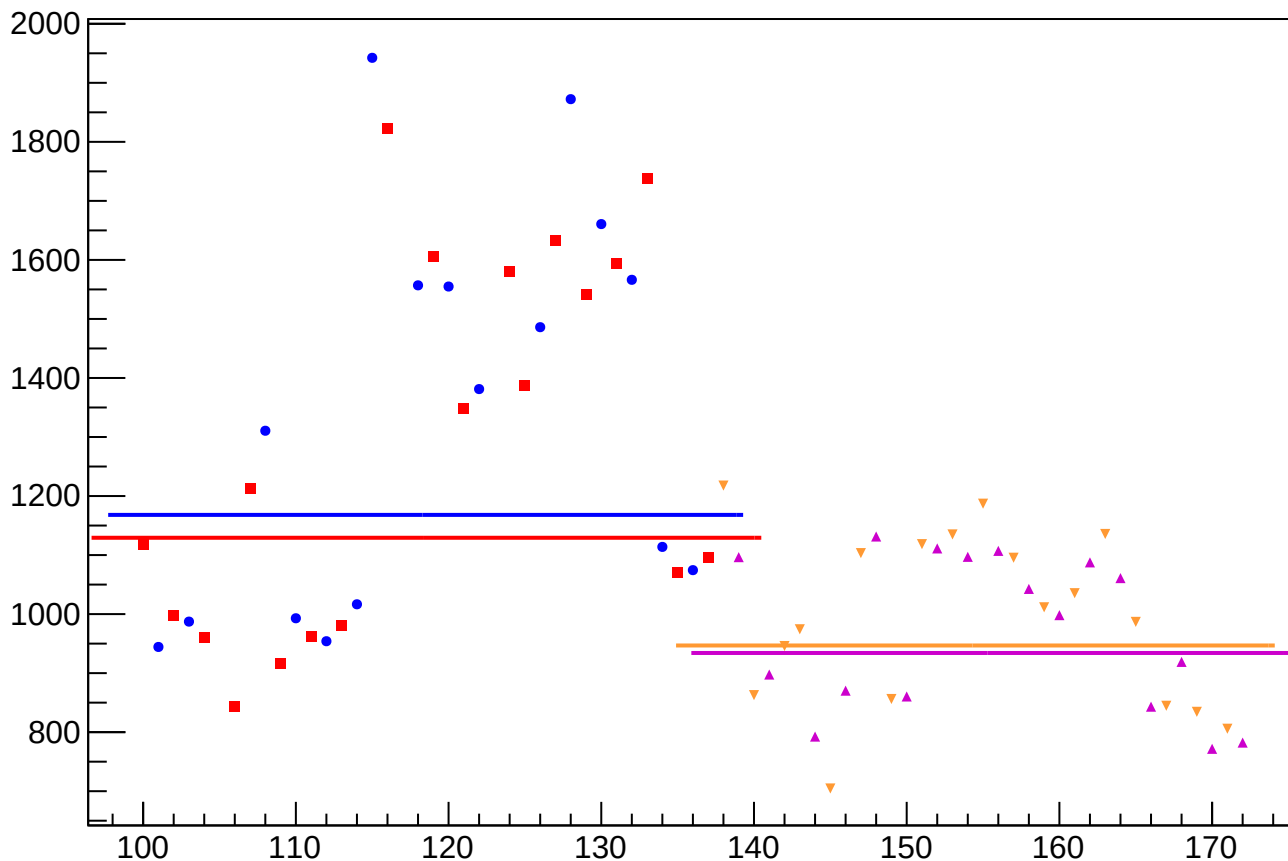
Left In: -56.398 ± 252.720 $\chi^2/\text{NDF}: 18.2/16$

+ sign -916.580 ± 221.263 $\chi^2/\text{NDF}: 64.2/33$

All: -614.358 ± 155.053 $\chi^2/\text{NDF}: 105.0/69$

- sign -322.748 ± 217.344 $\chi^2/\text{NDF}: 37.1/35$

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

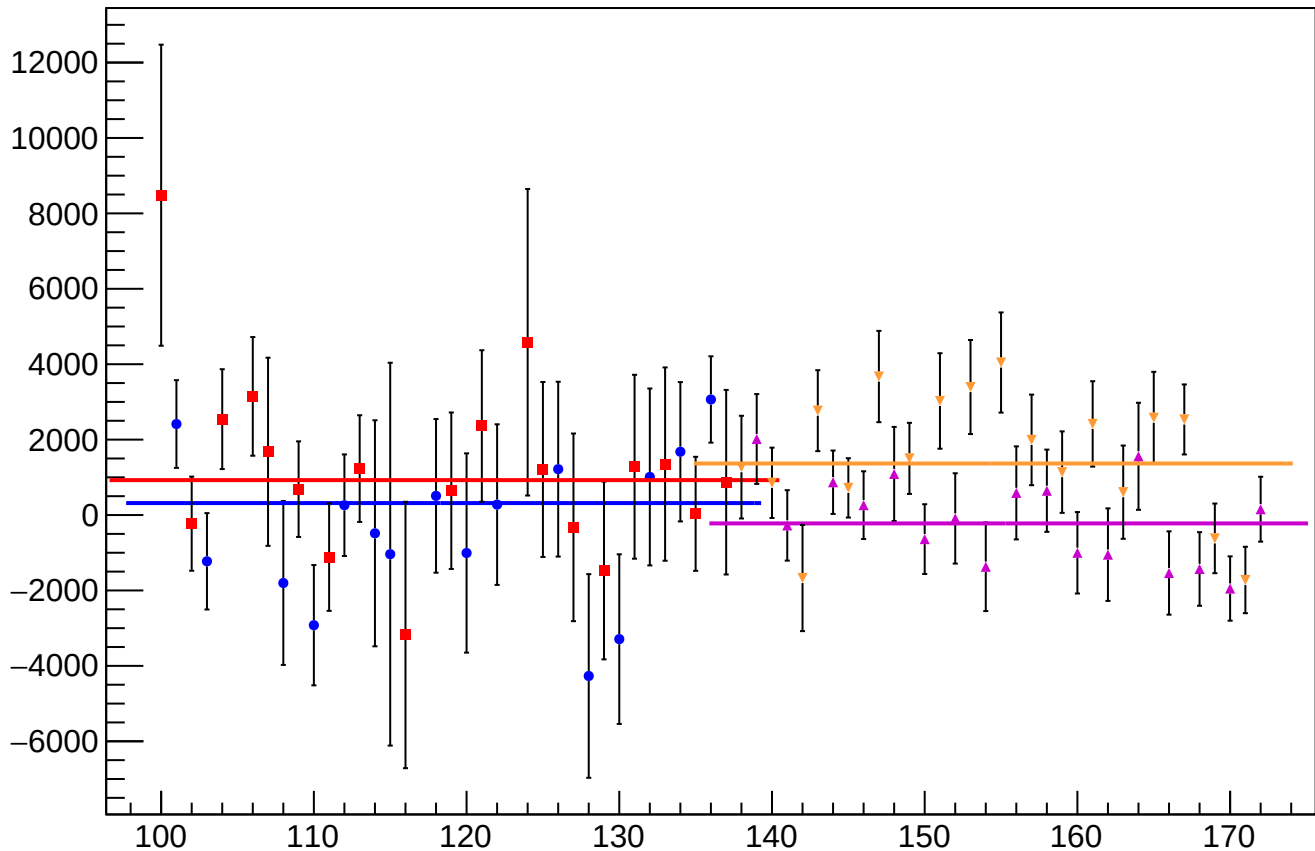
Left In: 934.144+/-0.179 χ^2/NDF : 512526.9/16

+ sign 1000.963+/-0.156 χ^2/NDF : 1767534.1/33

All: 992.818+/-0.110 χ^2/NDF : 3403183.8/69

- sign 984.960+/-0.154 χ^2/NDF : 1630325.4/35

asym_sam_48_dd_mean vs Slug



Right In: 317.365 $\pm$ 446.341 χ^2/NDF : 22.2/15

Left Out: 1366.984 $\pm$ 253.189 χ^2/NDF : 40.5/17

Right Out: 926.036 $\pm$ 425.405 χ^2/NDF : 14.5/18

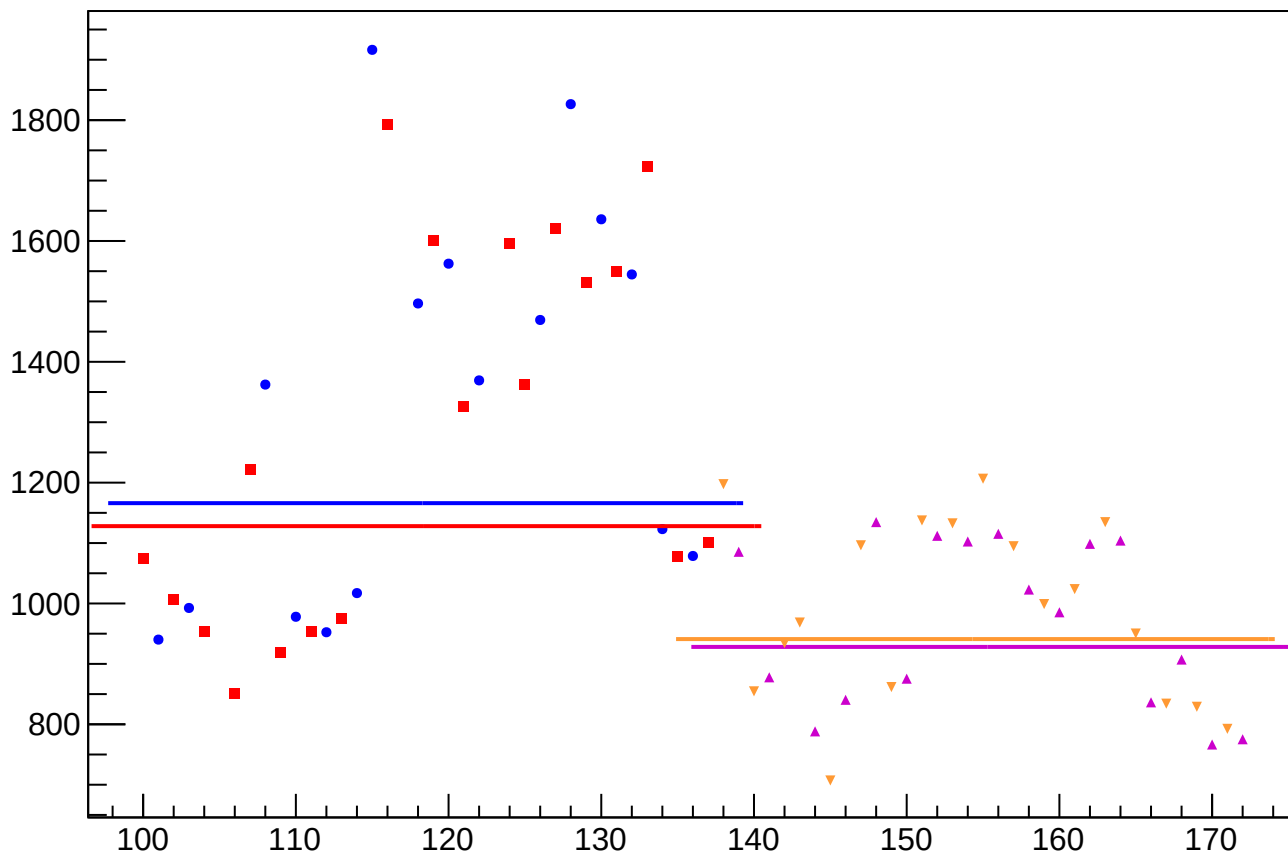
Left In: -222.129 $\pm$ 251.201 χ^2/NDF : 18.6/16

+ sign 1111.461 $\pm$ 220.224 χ^2/NDF : 66.8/33

All: 583.781 $\pm$ 154.318 χ^2/NDF : 116.7/69

- sign 74.717 $\pm$ 216.305 χ^2/NDF : 38.6/35

asym_sam_48_dd_rms vs Slug



Right In: 1166.056 $\pm$ 0.316 χ^2 /NDF: 677063.1/15

Left Out: 941.066 $\pm$ 0.179 χ^2 /NDF: 699743.8/17

Right Out: 1128.006 $\pm$ 0.301 χ^2 /NDF: 775766.7/18

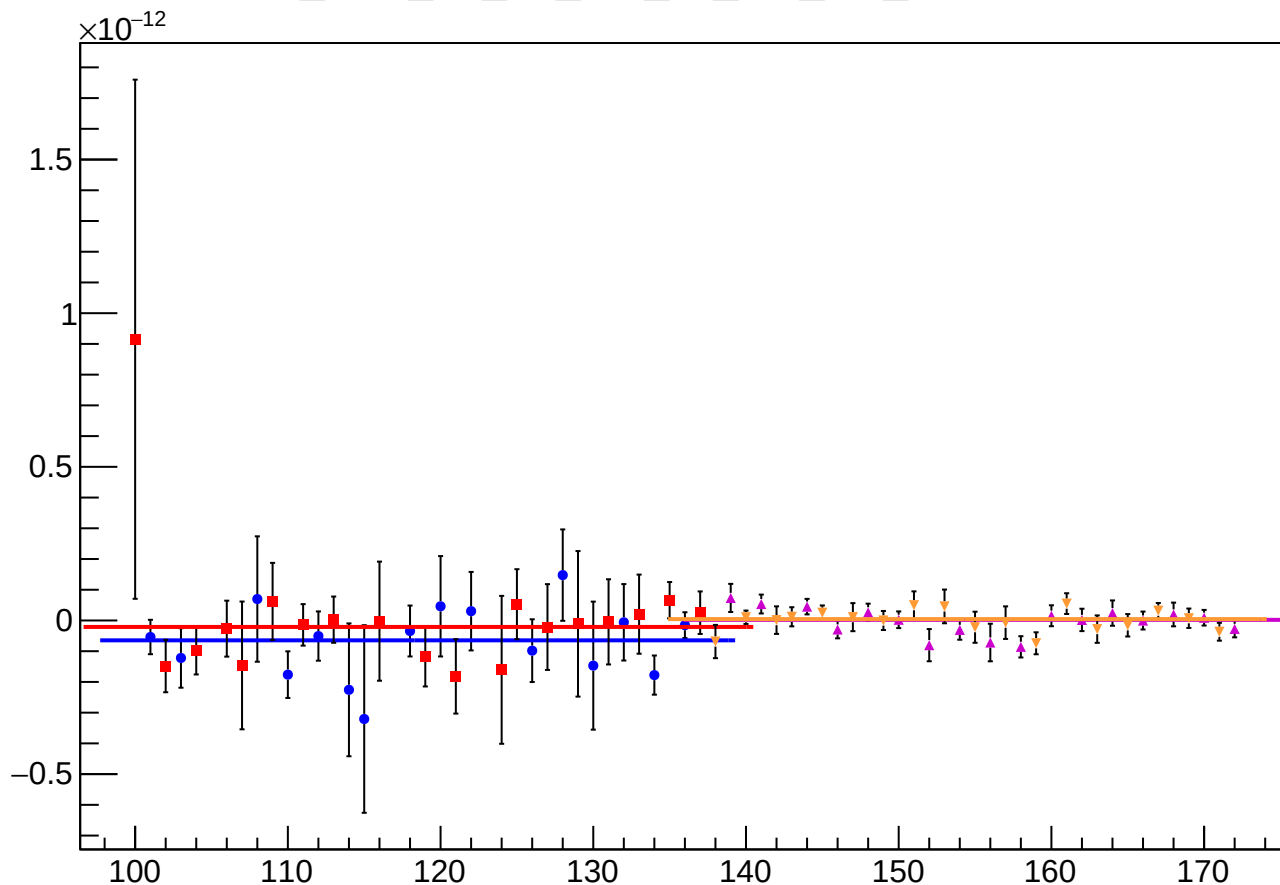
Left In: 928.105 $\pm$ 0.178 χ^2 /NDF: 553407.8/16

+ sign 995.839 $\pm$ 0.156 χ^2 /NDF: 1761279.9/33

All: 987.669 $\pm$ 0.109 χ^2 /NDF: 3423311.6/69

- sign 979.788 $\pm$ 0.153 χ^2 /NDF: 1656624.1/35

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

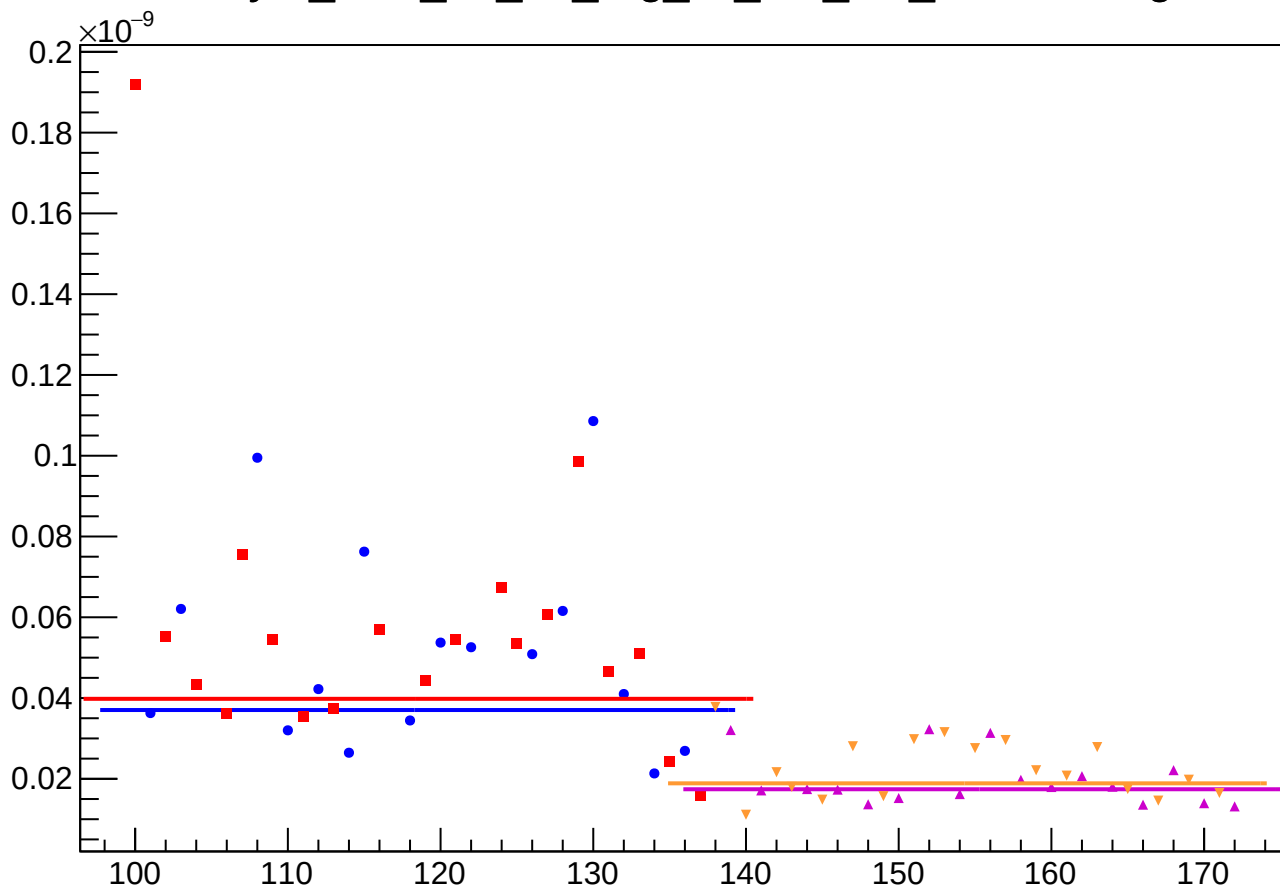
Left In: 0.000+/-0.000 χ^2/NDF : 23.4/16

+ sign -0.000+/-0.000 χ^2/NDF : 37.1/33

All: -0.000+/-0.000 χ^2/NDF : 72.9/69

- sign -0.000+/-0.000 χ^2/NDF : 35.7/35

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

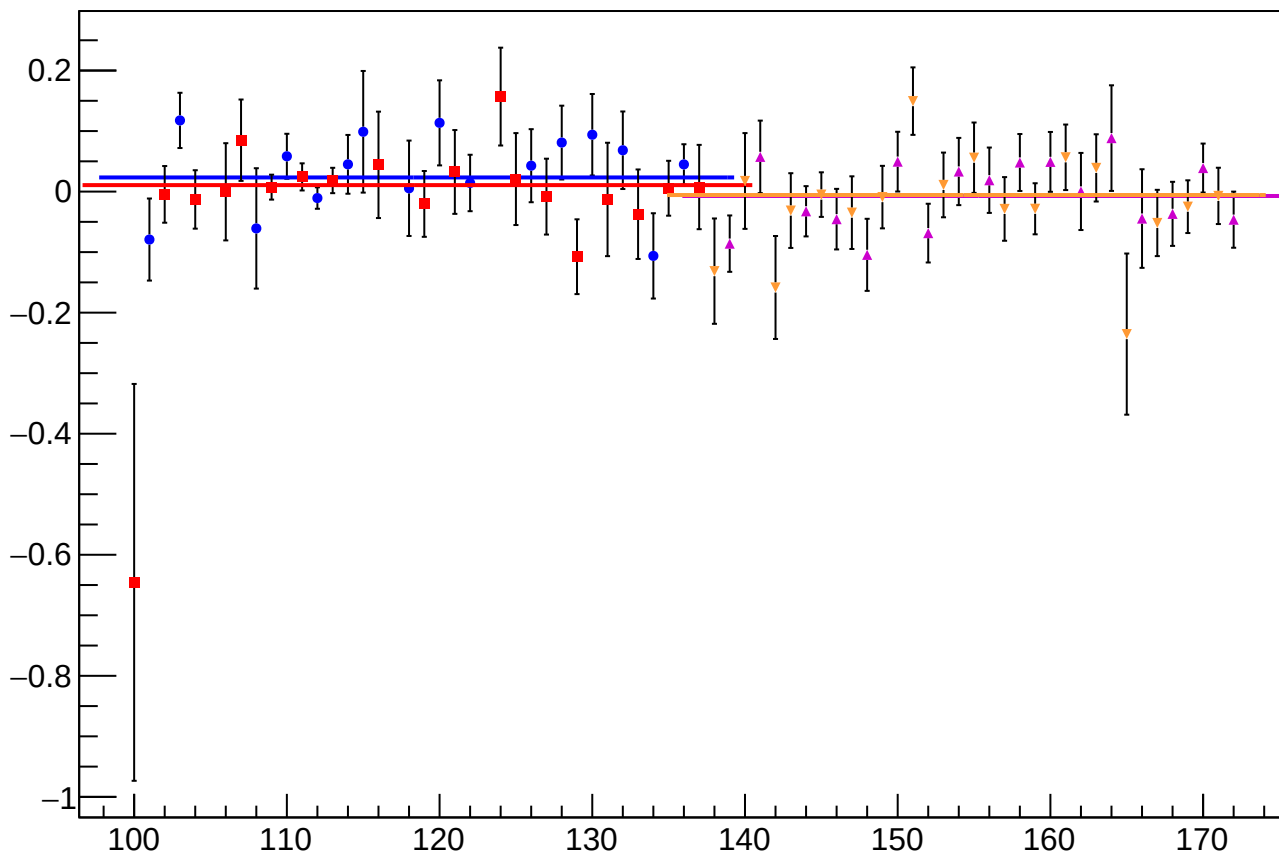
Left In: 0.000+/-0.000 χ^2/NDF : 695792.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 3429510.2/33

All: 0.000+/-0.000 χ^2/NDF : 6743611.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3283256.3/35

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023 ± 0.011 χ^2/NDF : 20.7/15

Left Out: -0.006 ± 0.013 χ^2/NDF : 21.1/17

Right Out: 0.011 ± 0.010 χ^2/NDF : 14.2/18

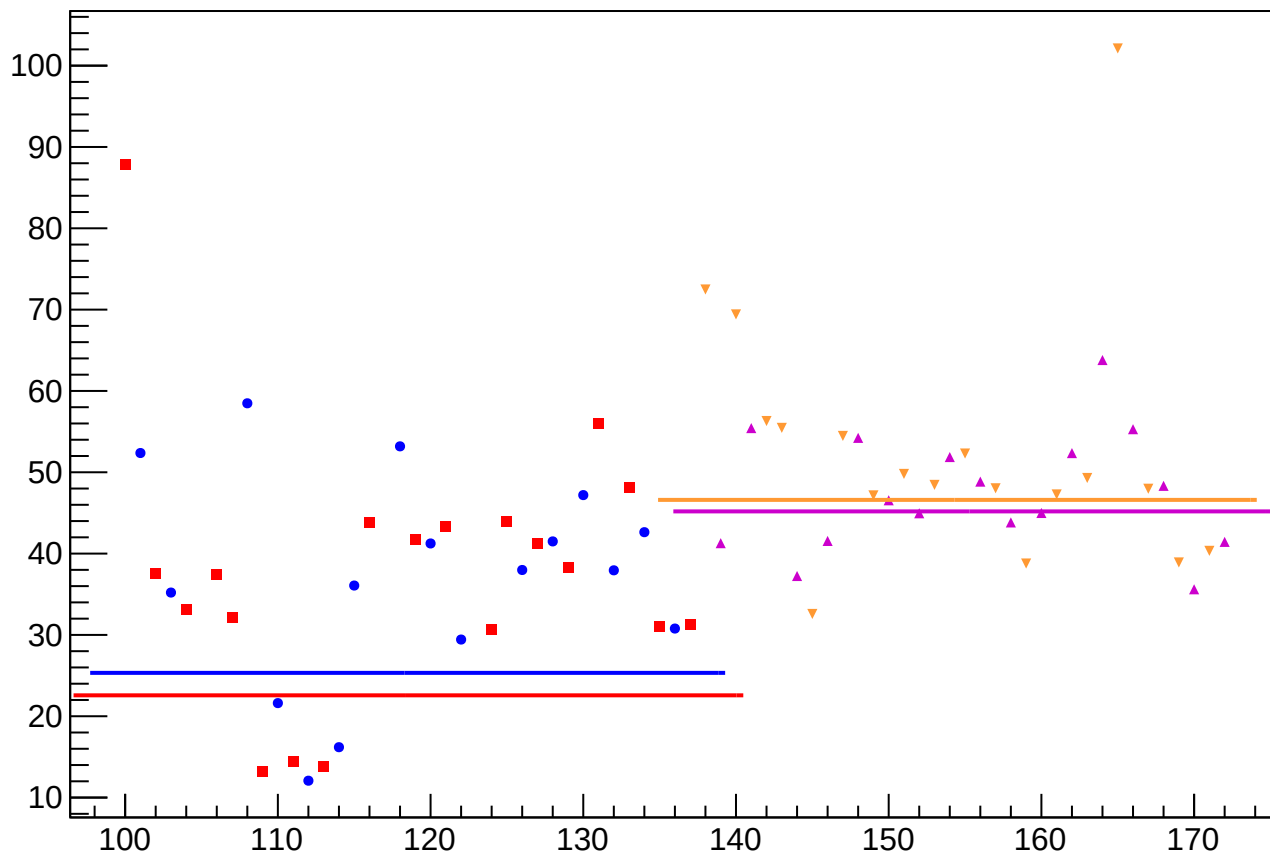
Left In: -0.007 ± 0.013 χ^2/NDF : 17.8/16

+ sign 0.011 ± 0.008 χ^2/NDF : 44.8/33

All: 0.007 ± 0.006 χ^2/NDF : 78.4/69

- sign 0.004 ± 0.008 χ^2/NDF : 33.3/35

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

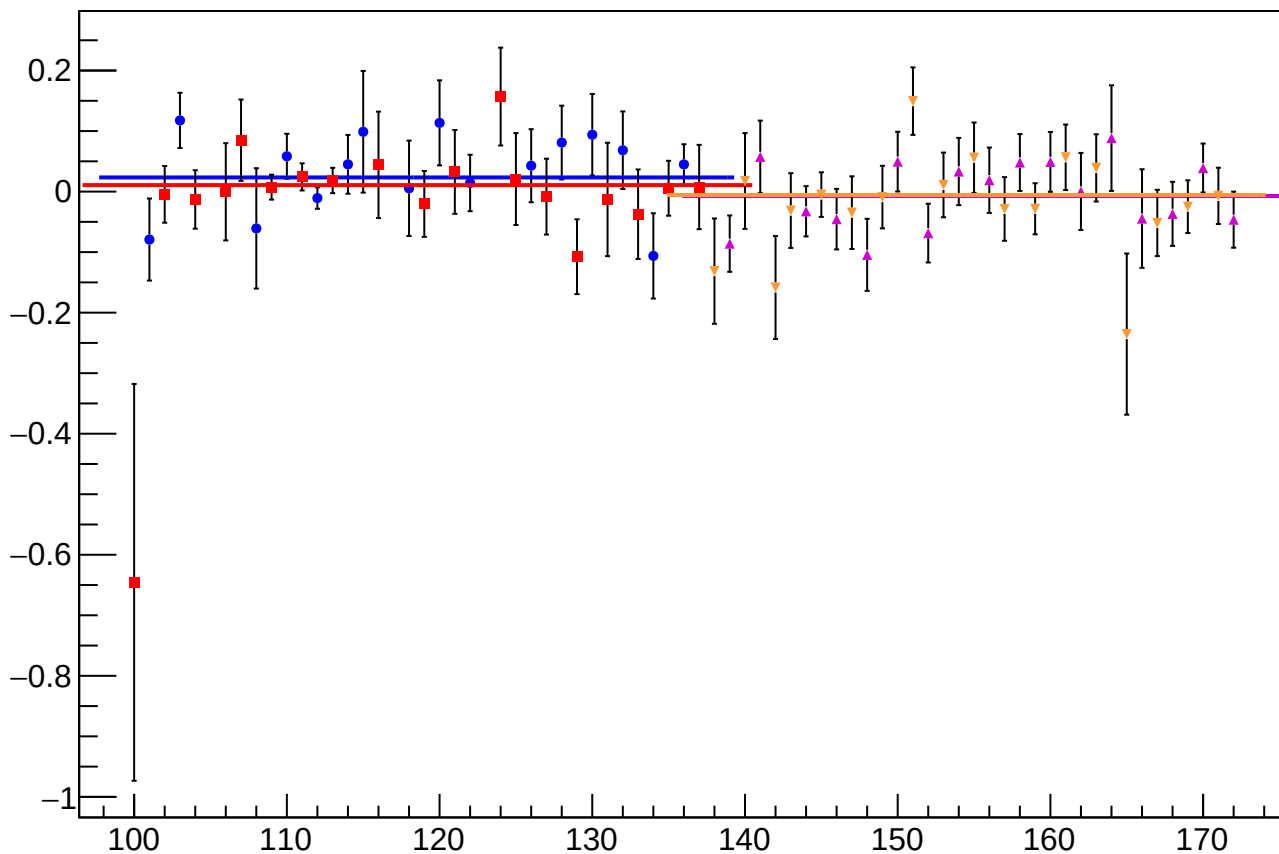
Left In: 45.189+/-0.009 χ^2/NDF : 523426.1/16

+ sign 34.361+/-0.006 χ^2/NDF : 7345652.6/33

All: 32.608+/-0.004 χ^2/NDF : 15195983.2/69

- sign 31.123+/-0.005 χ^2/NDF : 7689293.5/35

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

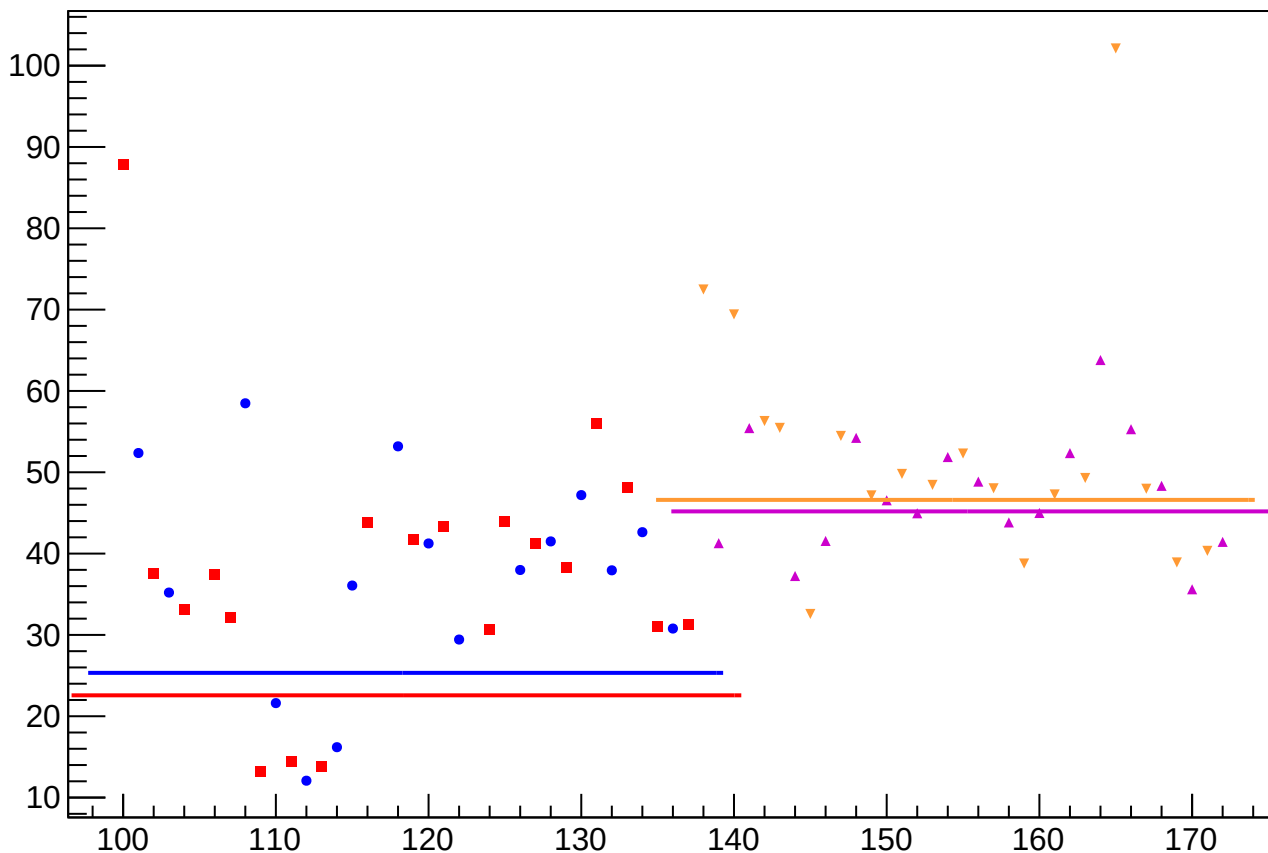
Left In: -0.007 ± 0.013 χ^2/NDF : 17.8/16

+ sign 0.011 ± 0.008 χ^2/NDF : 44.8/33

All: 0.007 ± 0.006 χ^2/NDF : 78.4/69

- sign 0.004 ± 0.008 χ^2/NDF : 33.3/35

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.334 $\pm$ 0.008 χ^2 /NDF: 2925132.2/15

Left Out: 46.604 $\pm$ 0.009 χ^2 /NDF: 1285949.8/17

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3139937.1/18

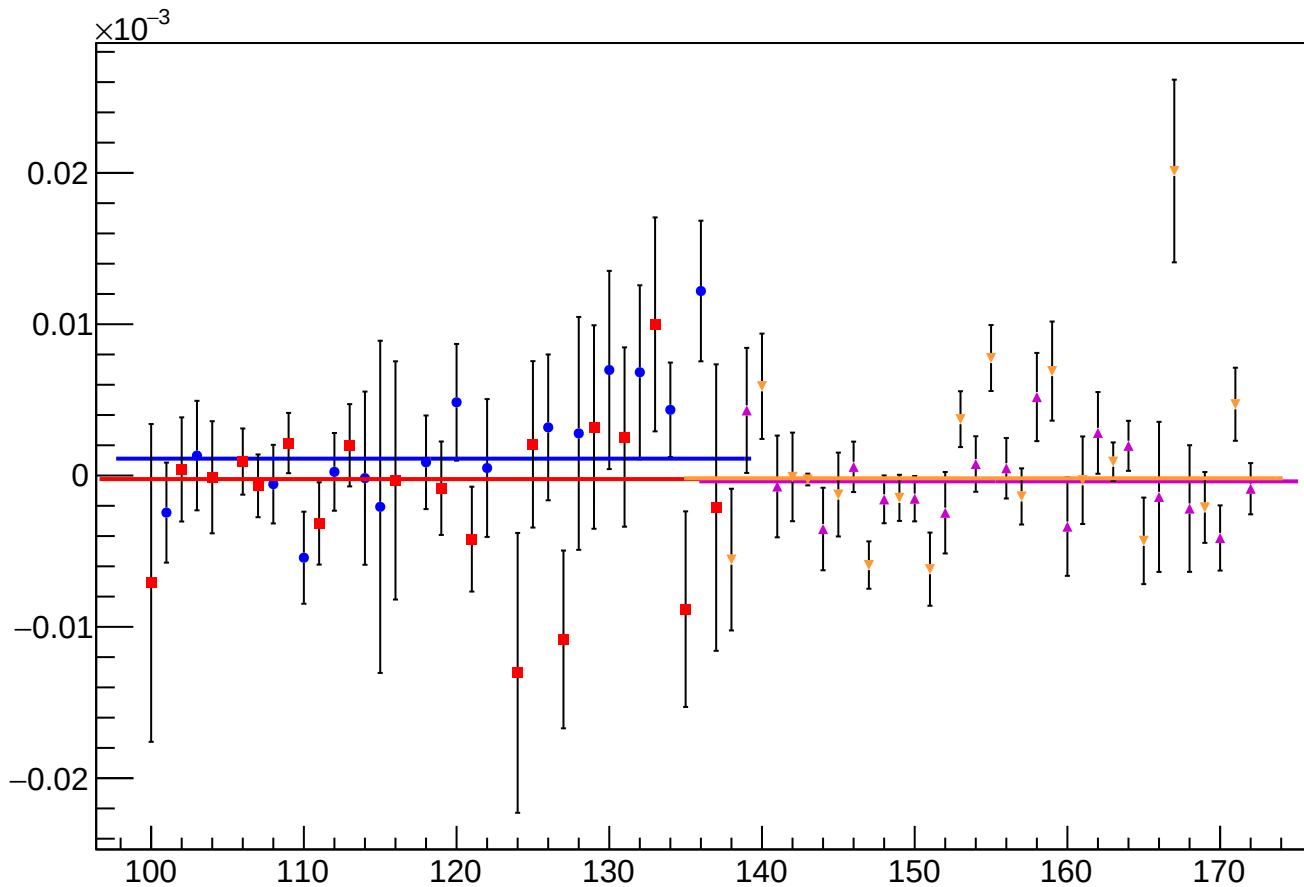
Left In: 45.189 $\pm$ 0.009 χ^2 /NDF: 523426.1/16

+ sign 34.361 $\pm$ 0.006 χ^2 /NDF: 7345652.6/33

All: 32.608 $\pm$ 0.004 χ^2 /NDF: 15195983.2/69

- sign 31.123 $\pm$ 0.005 χ^2 /NDF: 7689293.5/35

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 66.7/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/18

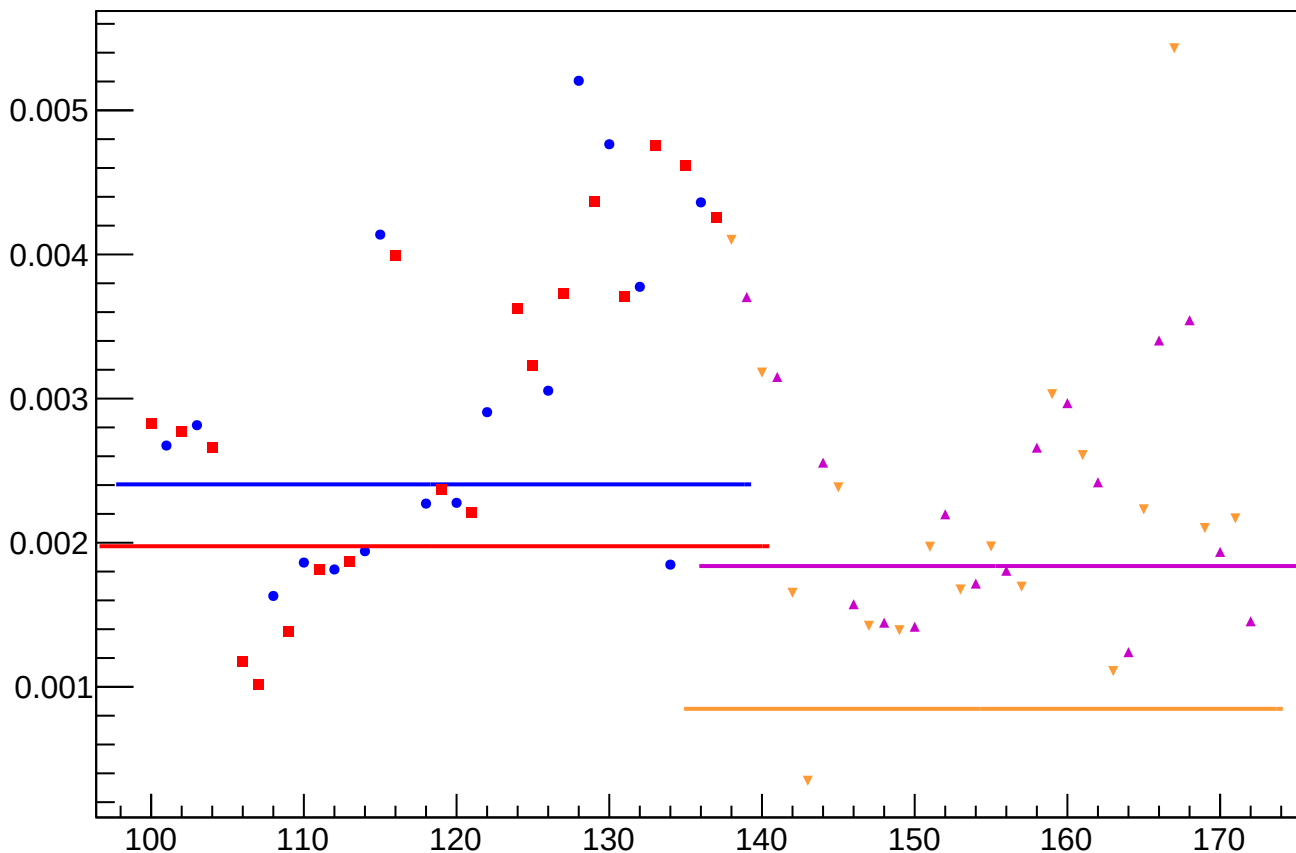
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 84.5/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 116.5/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 31.7/35

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF :12792684.1/17

Right Out: 0.002+/-0.000 χ^2/NDF : 2775363.3/18

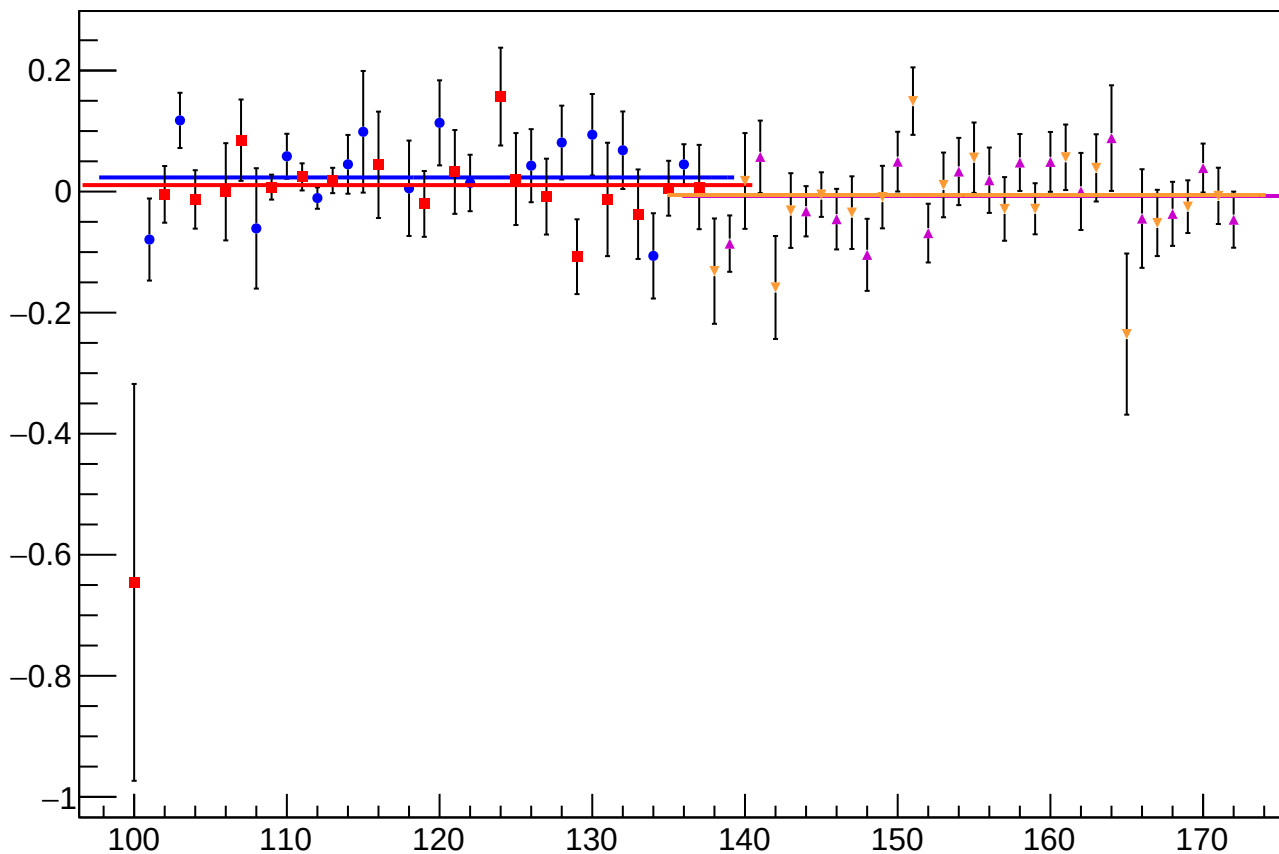
Left In: 0.002+/-0.000 χ^2/NDF :2620399.0/16

+ sign 0.001+/-0.000 χ^2/NDF : 19170464.9/33

All: 0.001+/-0.000 χ^2/NDF : 30034896.6/69

- sign 0.002+/-0.000 χ^2/NDF : 5435906.2/35

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

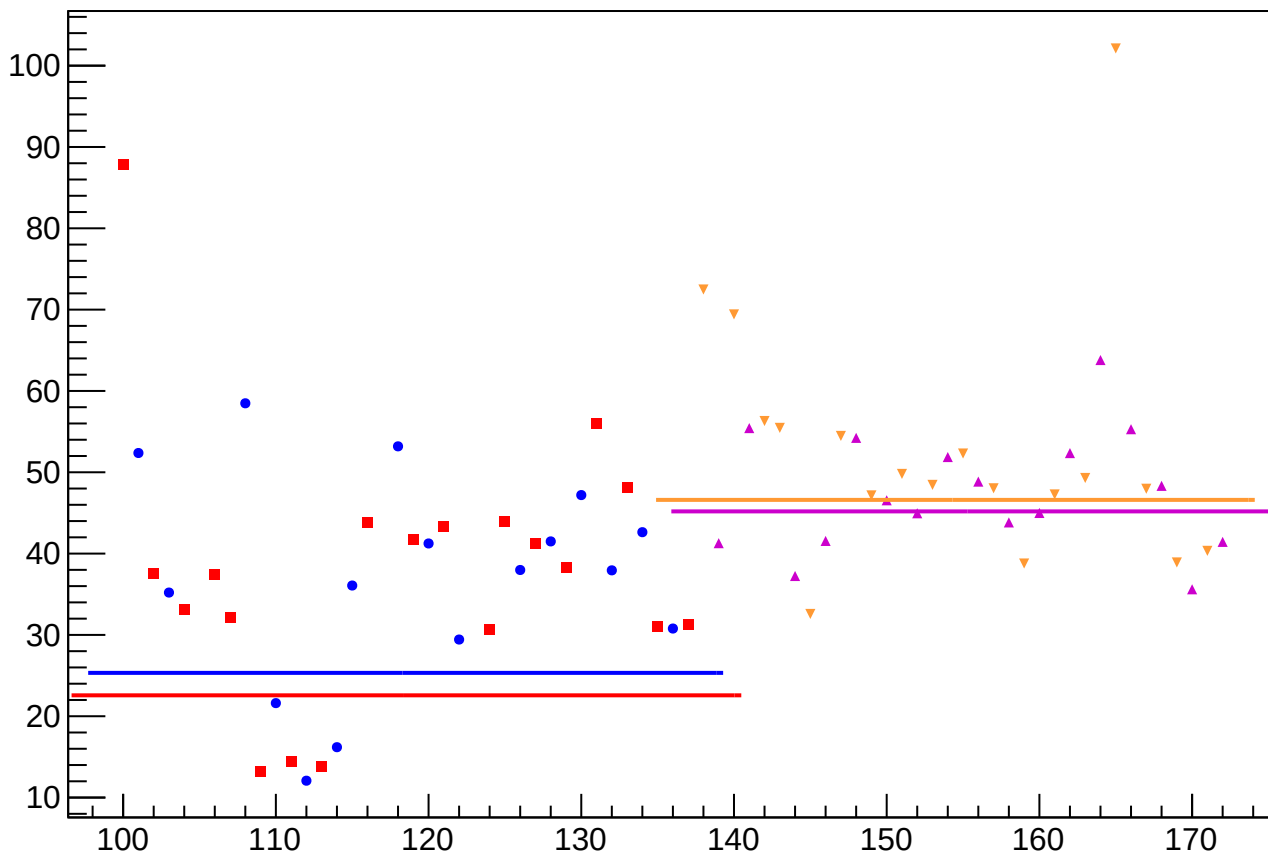
Left In: -0.007 ± 0.013 χ^2/NDF : 17.8/16

+ sign 0.011 ± 0.008 χ^2/NDF : 44.8/33

All: 0.007 ± 0.006 χ^2/NDF : 78.4/69

- sign 0.004 ± 0.008 χ^2/NDF : 33.3/35

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.332 $\pm$ 0.008 χ^2 /NDF: 2925549.0/15

Left Out: 46.605 $\pm$ 0.009 χ^2 /NDF: 1285923.9/17

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3140082.3/18

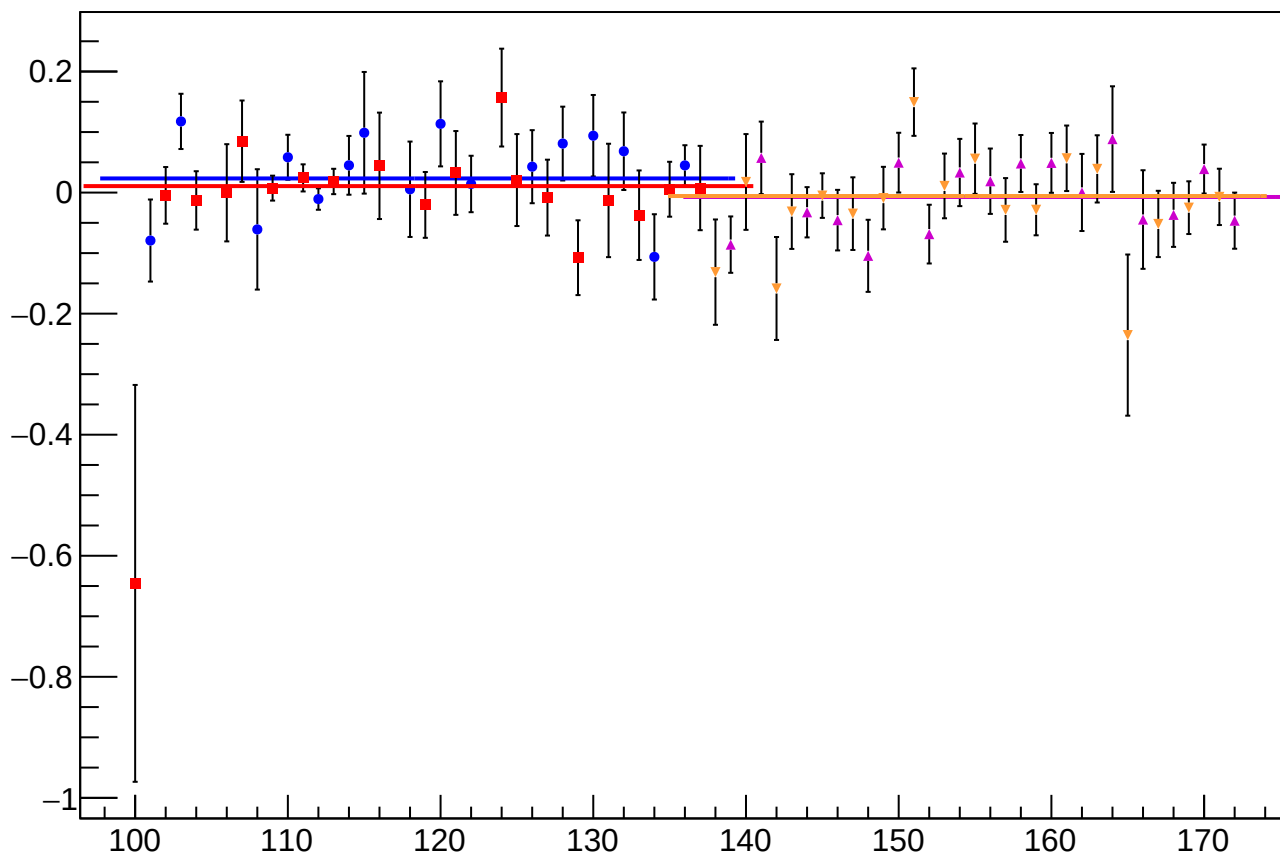
Left In: 45.189 $\pm$ 0.009 χ^2 /NDF: 523438.3/16

+ sign 34.360 $\pm$ 0.006 χ^2 /NDF: 7346590.8/33

All: 32.608 $\pm$ 0.004 χ^2 /NDF: 15197210.4/69

- sign 31.122 $\pm$ 0.005 χ^2 /NDF: 7689655.5/35

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

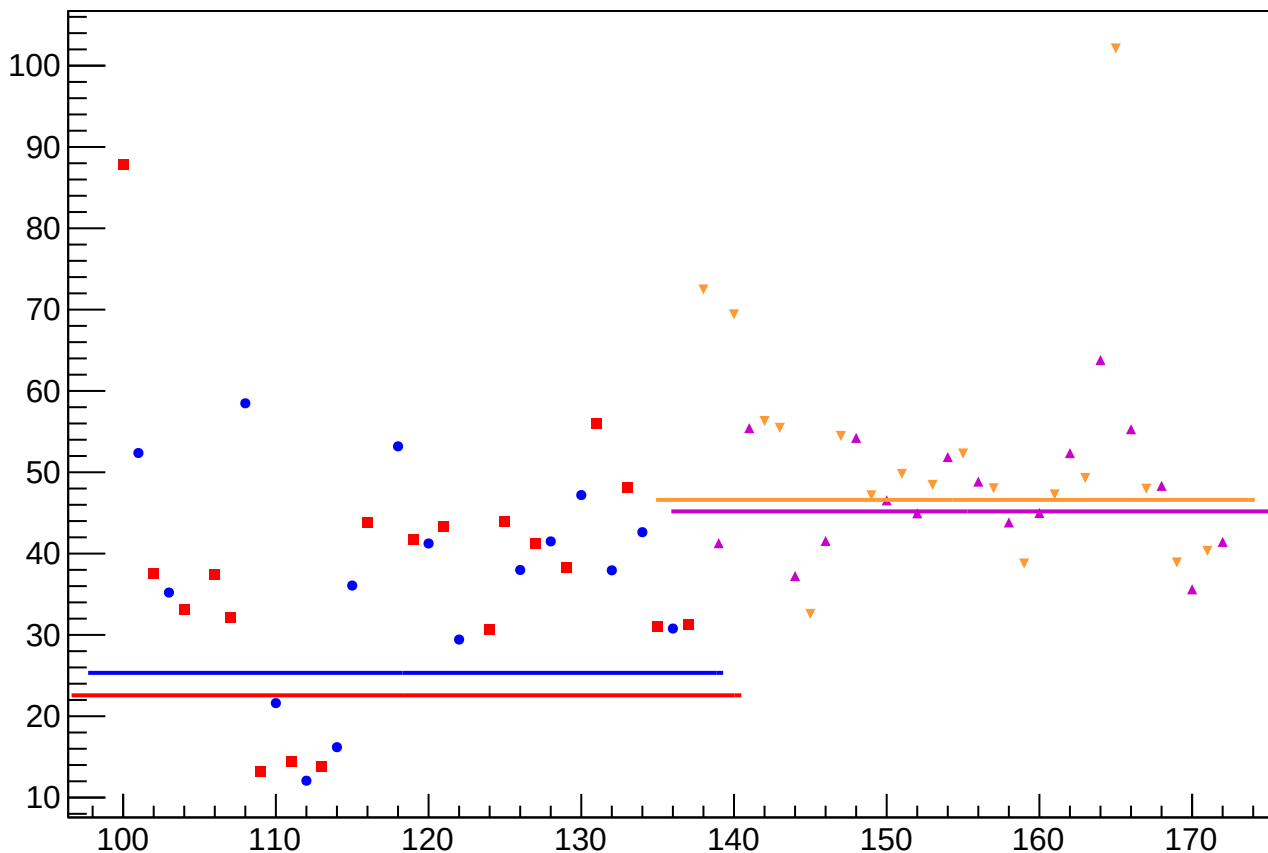
Left In: -0.007 ± 0.013 χ^2/NDF : 17.8/16

+ sign 0.011 ± 0.008 χ^2/NDF : 44.8/33

All: 0.007 ± 0.006 χ^2/NDF : 78.4/69

- sign 0.004 ± 0.008 χ^2/NDF : 33.3/35

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.332 $\pm$ 0.008 χ^2 /NDF: 2925549.0/15

Left Out: 46.605 $\pm$ 0.009 χ^2 /NDF: 1285923.9/17

Right Out: 22.571 $\pm$ 0.007 χ^2 /NDF: 3140082.3/18

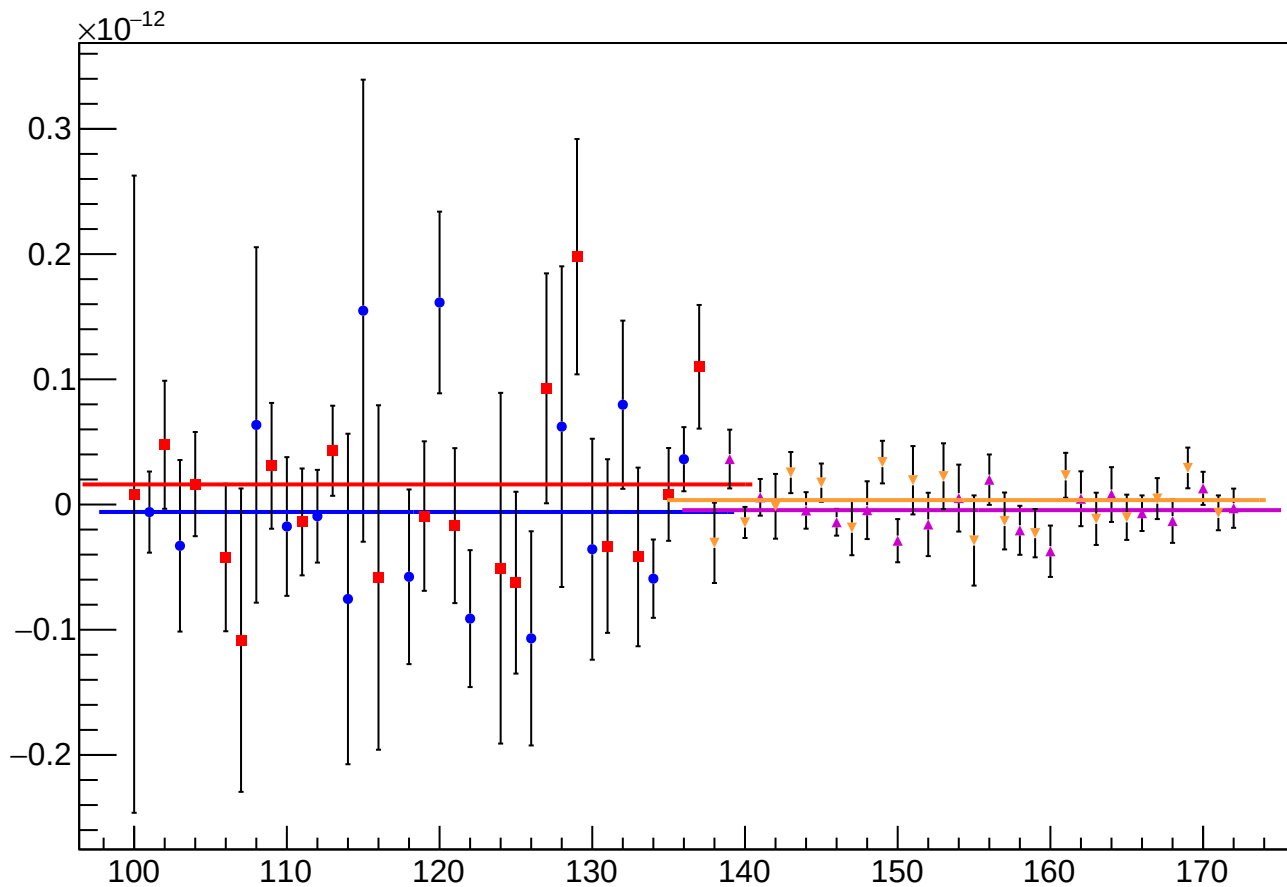
Left In: 45.189 $\pm$ 0.009 χ^2 /NDF: 523438.3/16

+ sign 34.360 $\pm$ 0.006 χ^2 /NDF: 7346590.8/33

All: 32.608 $\pm$ 0.004 χ^2 /NDF: 15197210.4/69

- sign 31.122 $\pm$ 0.005 χ^2 /NDF: 7689655.5/35

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

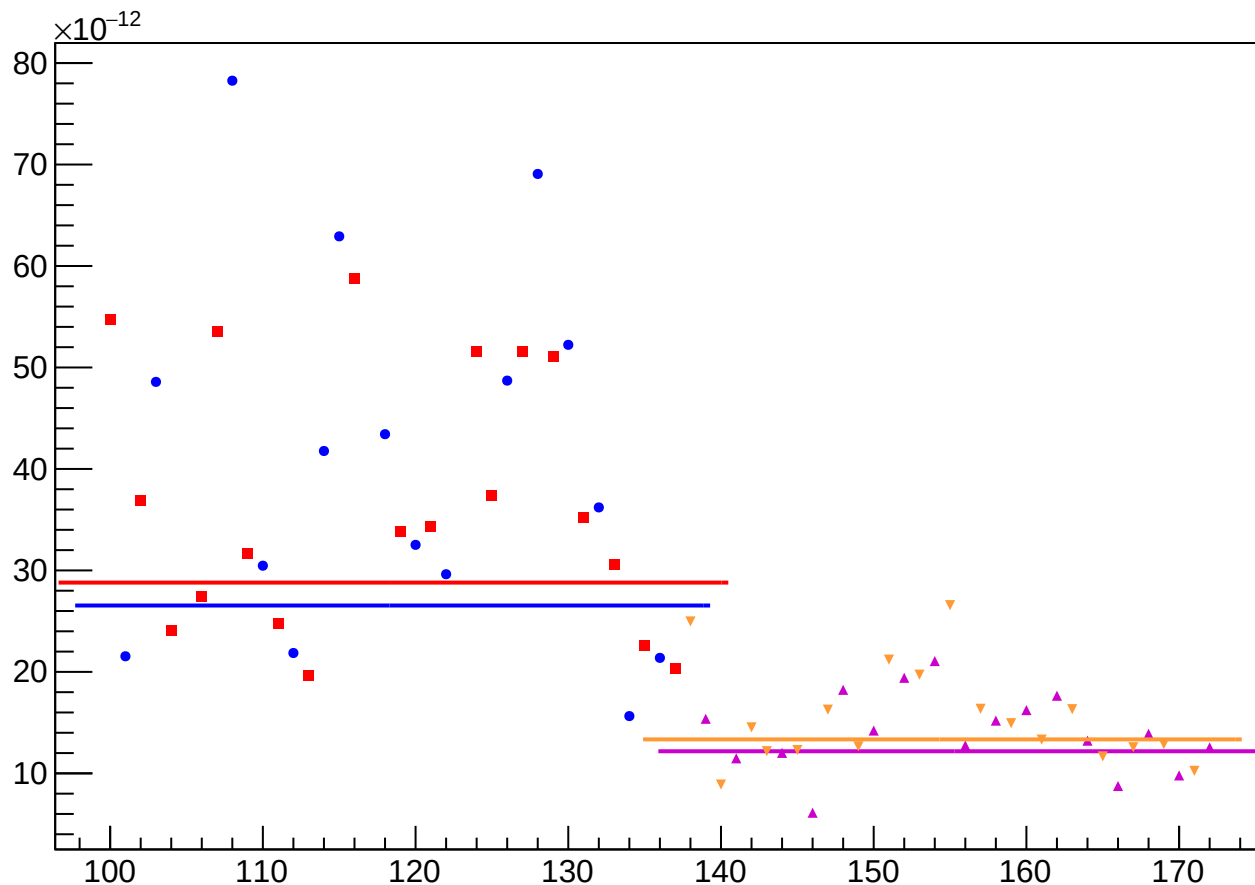
Left In: -0.000 ± 0.000 χ^2/NDF : 13.9/16

+ sign 0.000 ± 0.000 χ^2/NDF : 38.8/33

All: -0.000 ± 0.000 χ^2/NDF : 70.6/69

- sign -0.000 ± 0.000 χ^2/NDF : 31.0/35

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

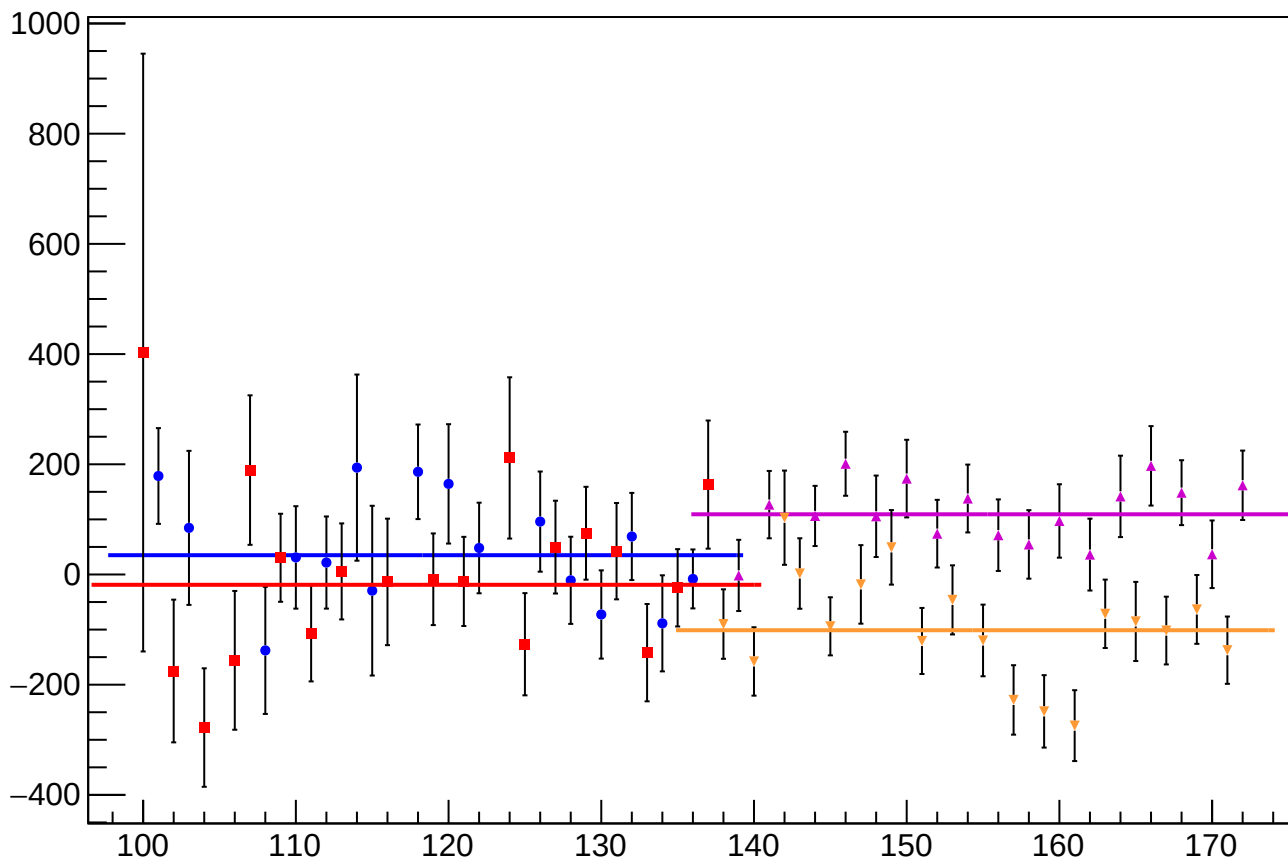
Left In: 0.000+/-0.000 χ^2/NDF :1693094.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4963751.0/33

All: 0.000+/-0.000 χ^2/NDF : 10488190.0/69

- sign 0.000+/-0.000 χ^2/NDF : 5451822.1/35

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 35.018 ± 22.134 $\chi^2/\text{NDF}: 16.2/15$

Left Out: -101.165 ± 15.068 $\chi^2/\text{NDF}: 33.7/17$

Right Out: -18.690 ± 22.137 $\chi^2/\text{NDF}: 23.5/18$

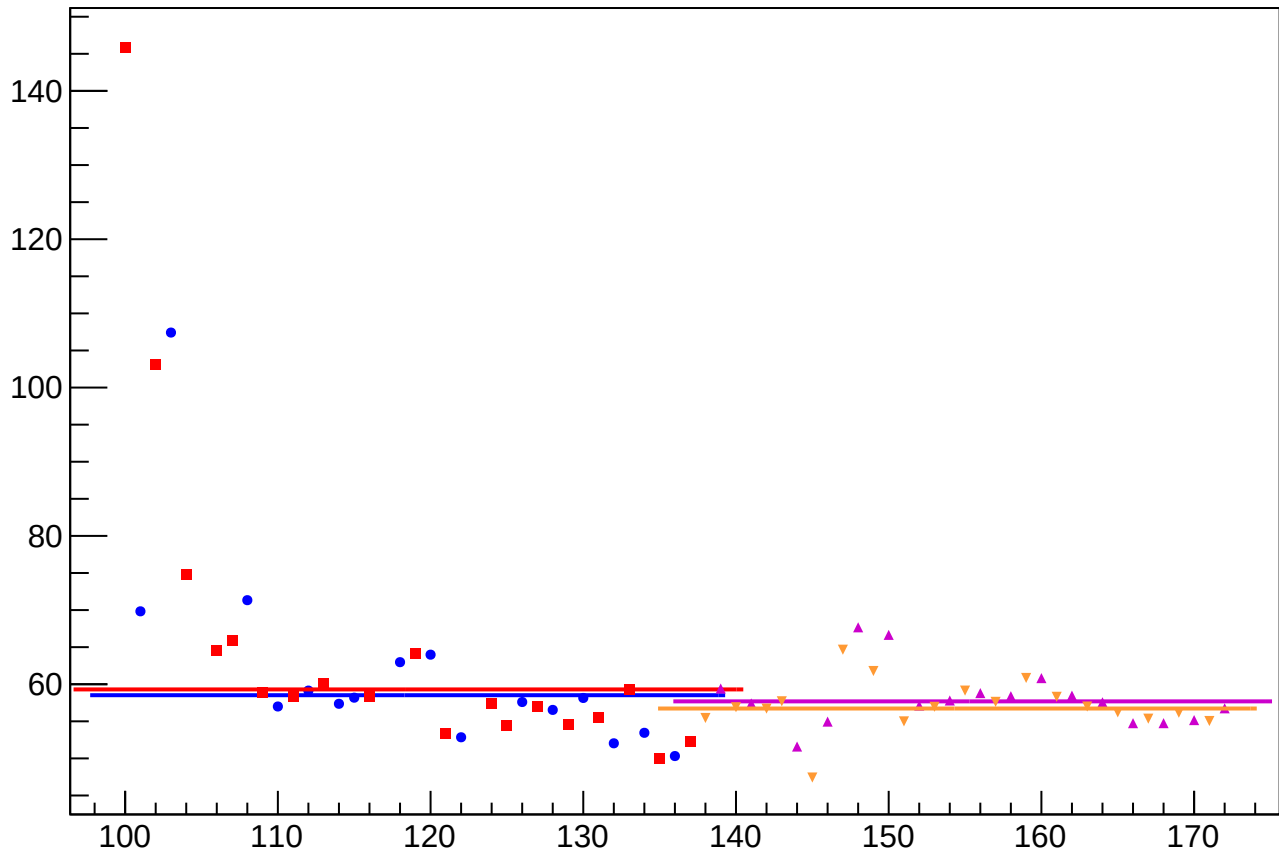
Left In: 109.252 ± 15.447 $\chi^2/\text{NDF}: 13.5/16$

+ sign -58.039 ± 12.456 $\chi^2/\text{NDF}: 75.8/33$

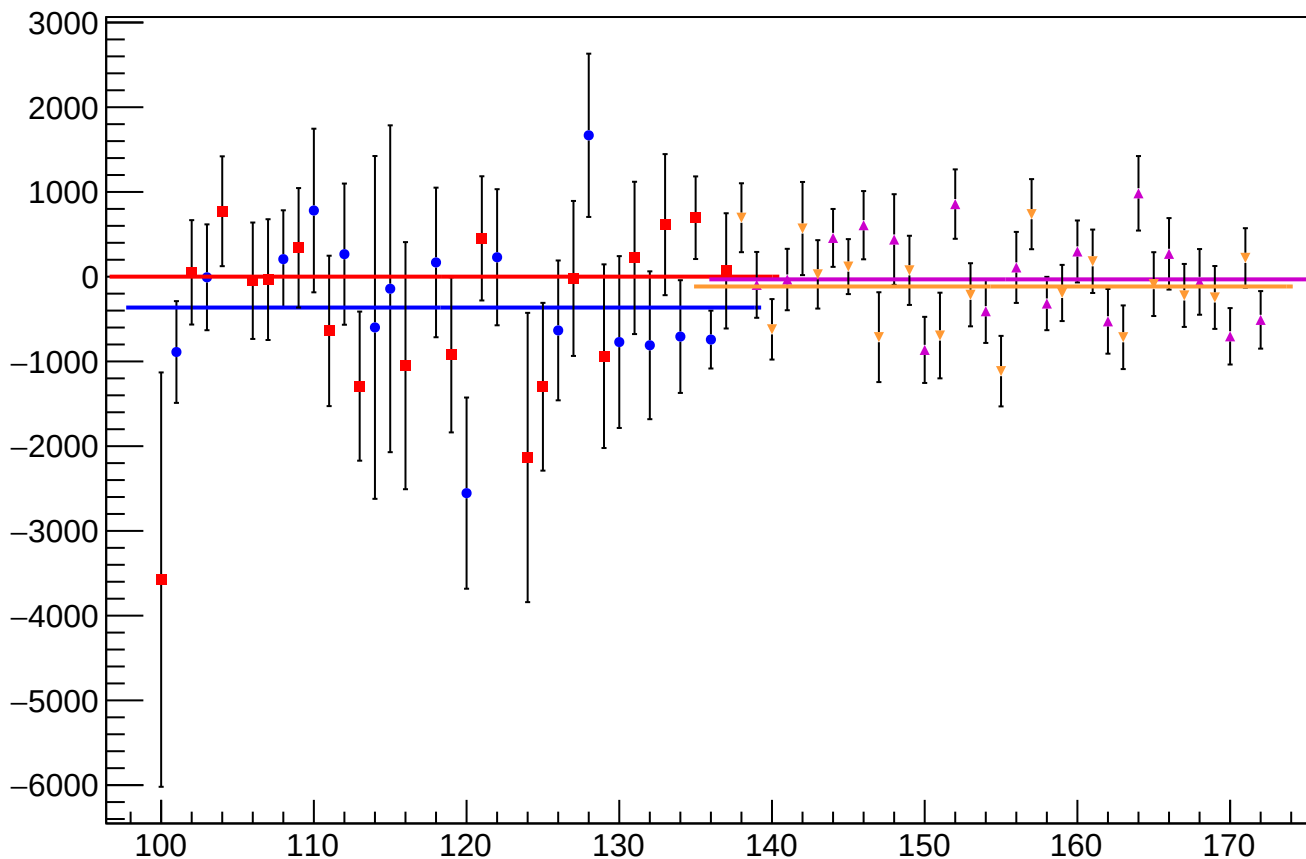
All: 3.602 ± 8.882 $\chi^2/\text{NDF}: 185.1/69$

- sign 67.356 ± 12.668 $\chi^2/\text{NDF}: 59.5/35$

reg_asym_sam_13_57_dd_rms vs Slug



asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -364.076 $\pm$ 180.601 χ^2 /NDF: 15.2/15

Left Out: -115.559 $\pm$ 91.984 χ^2 /NDF:25.4/17

Right Out: 0.570 $\pm$ 183.085 χ^2 /NDF: 15.1/18

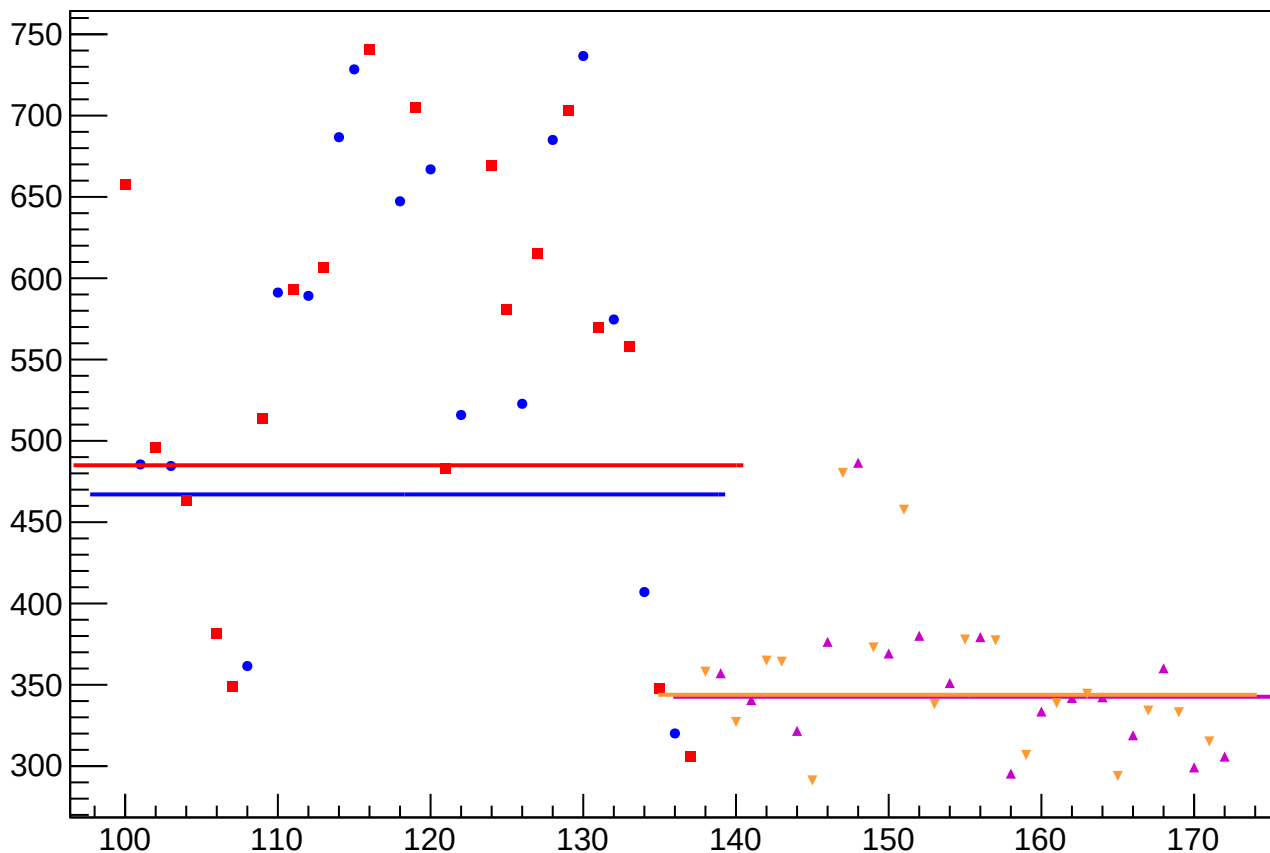
Left In: -31.474 $\pm$ 92.296 χ^2 /NDF:31.0/16

+ sign -166.747 $\pm$ 81.965 χ^2 /NDF: 42.2/33

All: -96.253 $\pm$ 58.117 χ^2 /NDF: 89.7/69

- sign -24.981 $\pm$ 82.416 χ^2 /NDF: 46.1/35

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 467.068 $\pm$ 0.128 χ^2 /NDF: 1030279.0/15

Left Out: 343.866 $\pm$ 0.065 χ^2 /NDF: 415338.1/17

Right Out: 484.982 $\pm$ 0.129 χ^2 /NDF: 874102.2/18

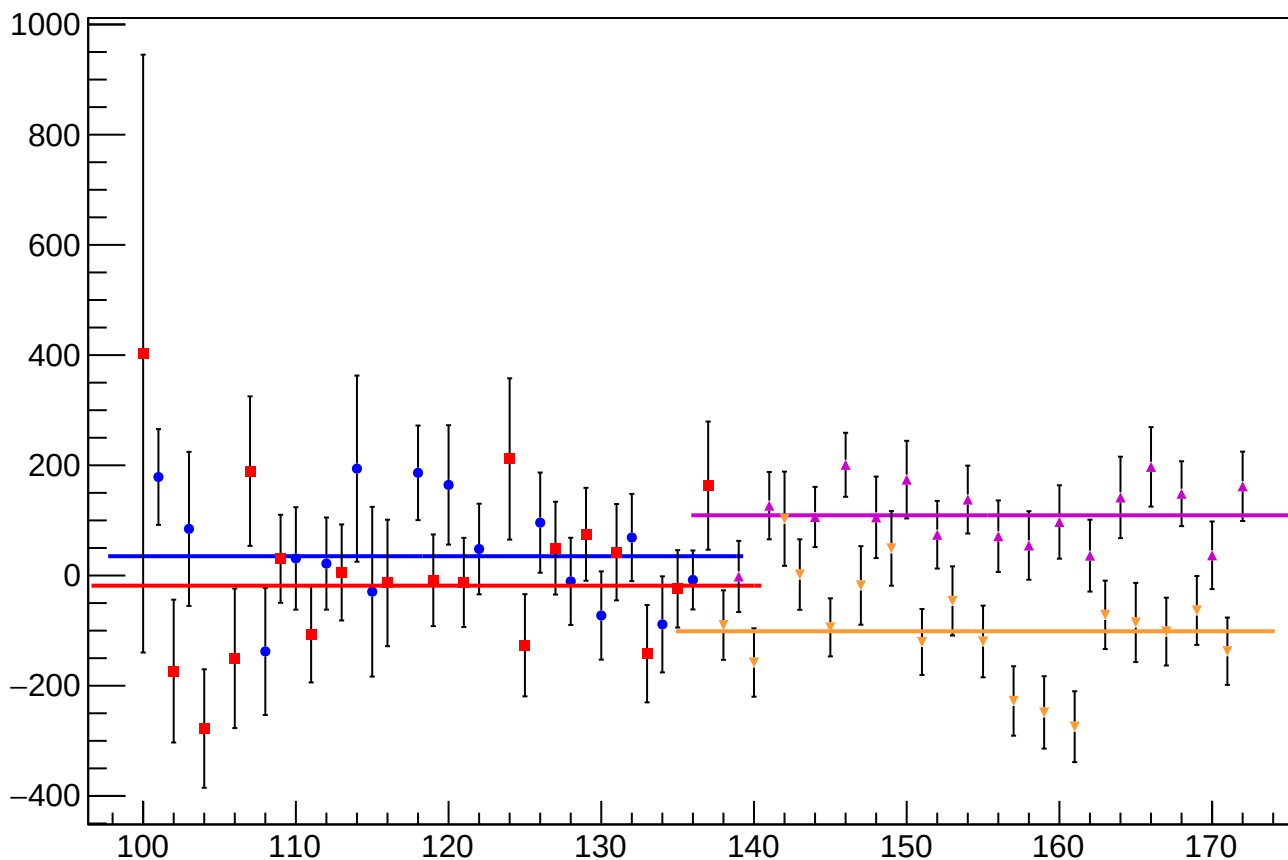
Left In: 342.660 $\pm$ 0.065 χ^2 /NDF: 325685.6/16

+ sign 369.243 $\pm$ 0.058 χ^2 /NDF: 2184640.1/33

All: 370.365 $\pm$ 0.041 χ^2 /NDF: 4348832.2/69

- sign 371.500 $\pm$ 0.058 χ^2 /NDF: 2163438.2/35

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

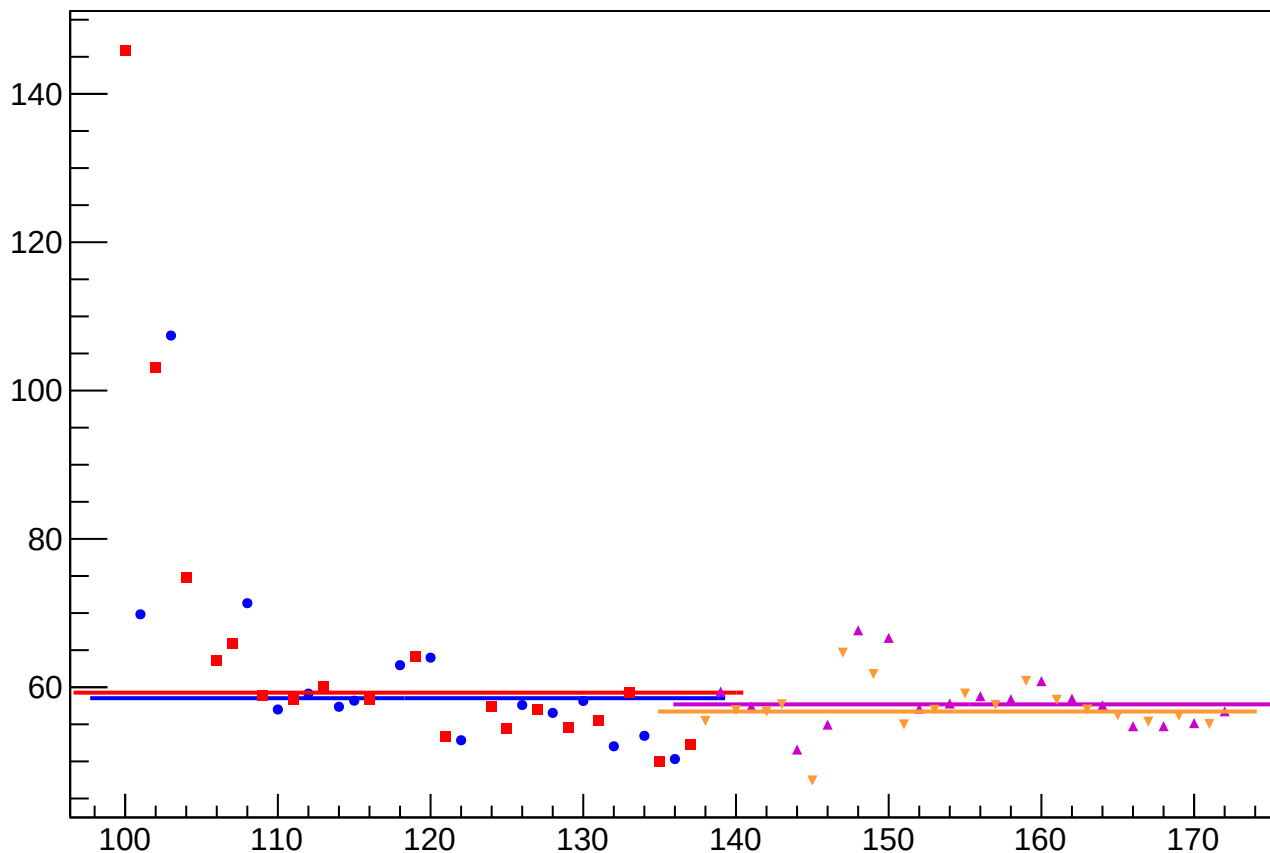
Left In: 109.254 ± 15.447 χ^2/NDF : 13.5/16

+ sign -58.037 ± 12.456 χ^2/NDF : 75.8/33

All: 3.648 ± 8.882 χ^2/NDF : 185.0/69

- sign 67.456 ± 12.669 χ^2/NDF : 59.3/35

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 ± 0.016 $\chi^2/\text{NDF}: 392744.5/15$

Left Out: 56.726 ± 0.011 $\chi^2/\text{NDF}: 116301.5/17$

Right Out: 59.269 ± 0.016 $\chi^2/\text{NDF}: 405616.3/18$

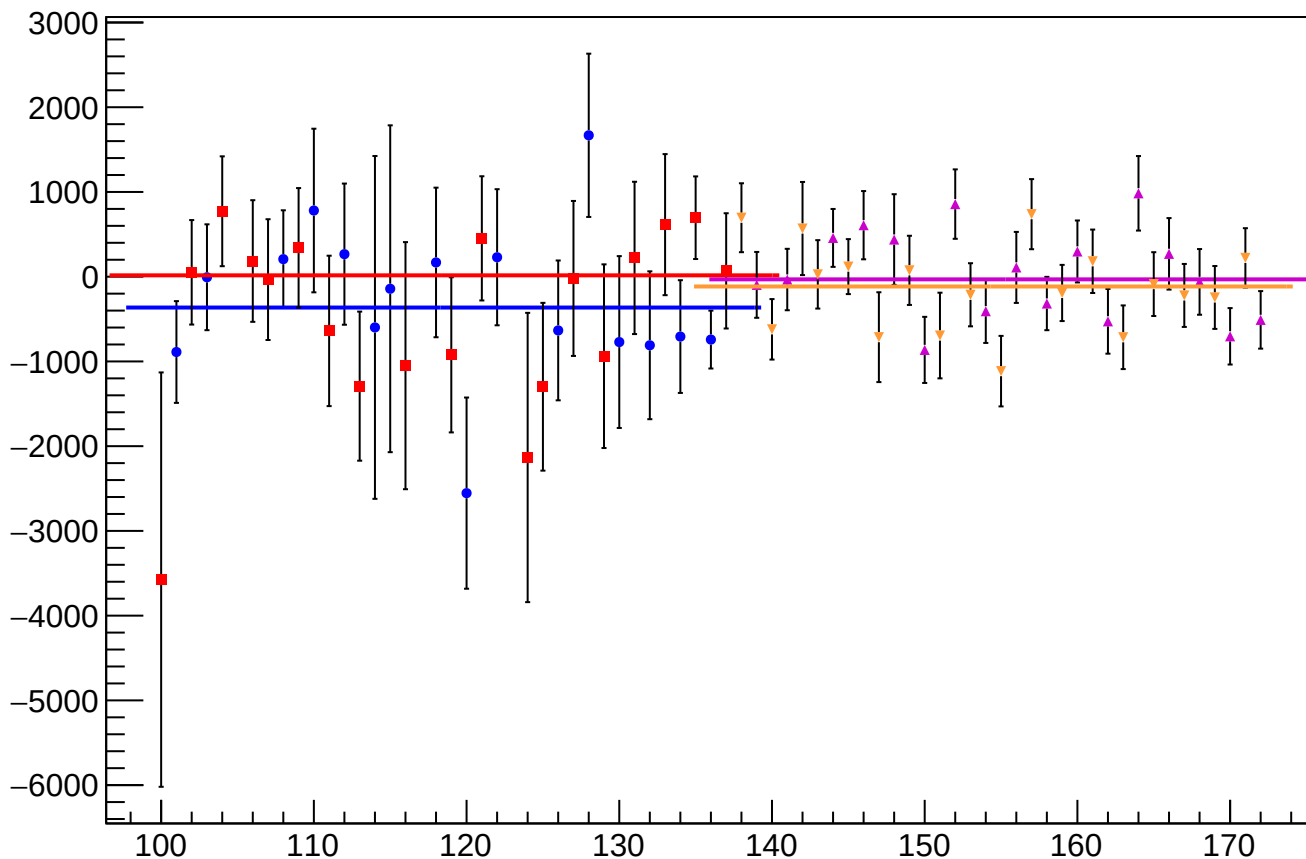
Left In: 57.691 ± 0.011 $\chi^2/\text{NDF}: 117559.8/16$

+ sign 57.295 ± 0.009 $\chi^2/\text{NDF}: 518039.7/33$

All: 57.743 ± 0.006 $\chi^2/\text{NDF}: 1053335.2/69$

- sign 58.208 ± 0.009 $\chi^2/\text{NDF}: 530014.9/35$

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -364.040 $\pm$ 180.602 χ^2 /NDF: 15.2/15

Left Out: -115.559 $\pm$ 91.984 χ^2 /NDF: 25.4/17

Right Out: 16.087 $\pm$ 183.650 χ^2 /NDF: 15.1/18

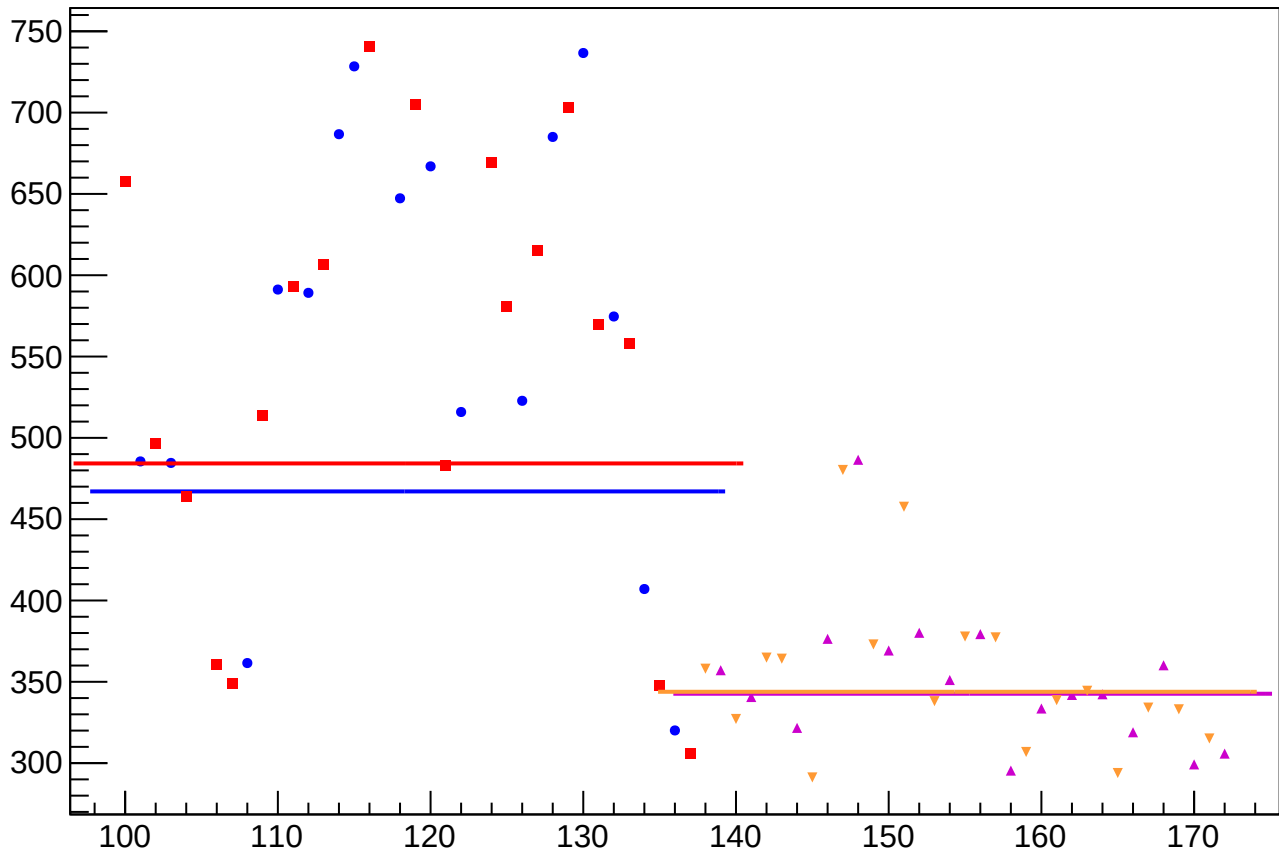
Left In: -31.473 $\pm$ 92.296 χ^2 /NDF: 31.0/16

+ sign -166.740 $\pm$ 81.965 χ^2 /NDF: 42.2/33

All: -94.754 $\pm$ 58.135 χ^2 /NDF: 89.9/69

- sign -21.883 $\pm$ 82.467 χ^2 /NDF: 46.2/35

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 467.071 $\pm$ 0.128 χ^2 /NDF: 1030281.3/15

Left Out: 343.867 $\pm$ 0.065 χ^2 /NDF: 415337.1/17

Right Out: 484.274 $\pm$ 0.130 χ^2 /NDF: 888797.2/18

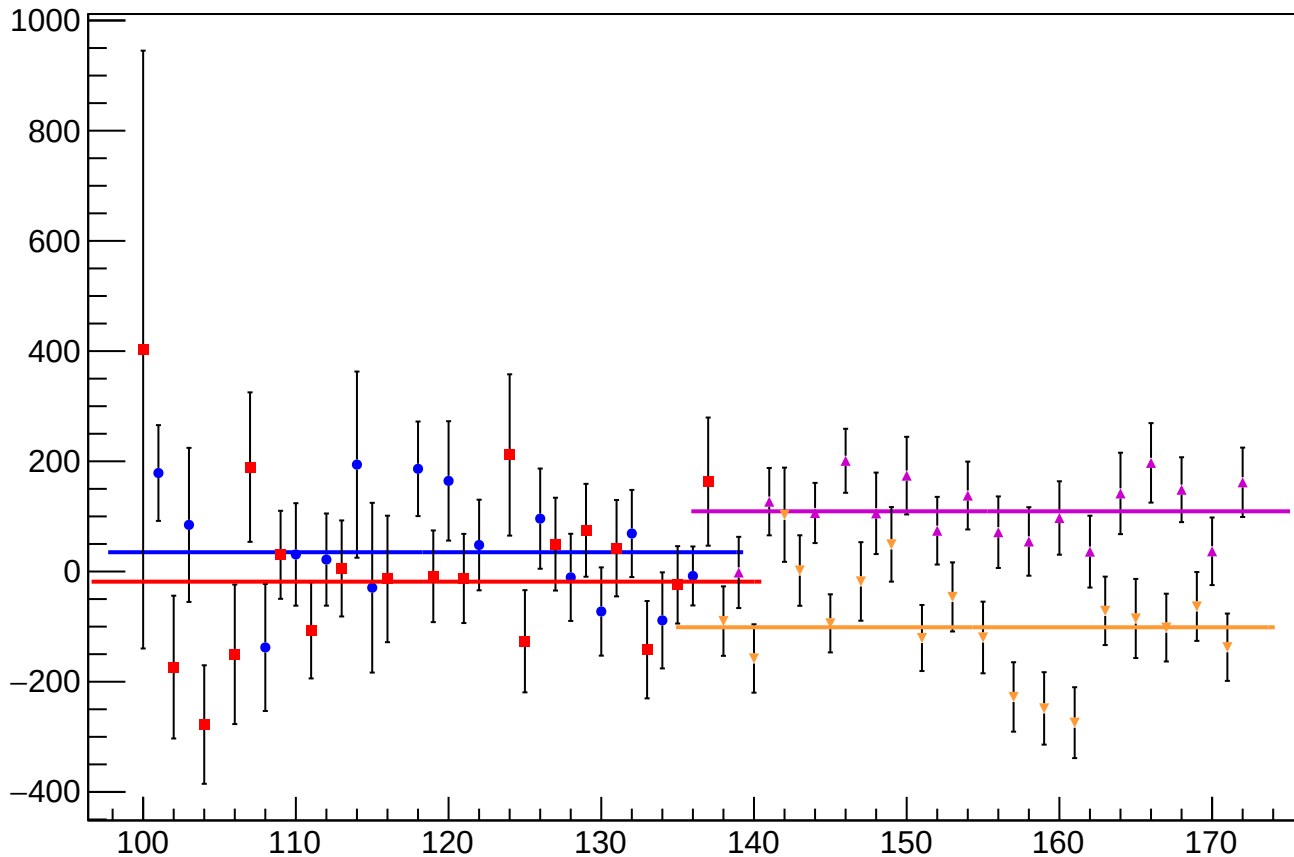
Left In: 342.661 $\pm$ 0.065 χ^2 /NDF: 325687.6/16

+ sign 369.243 $\pm$ 0.058 χ^2 /NDF: 2184664.0/33

All: 370.223 $\pm$ 0.041 χ^2 /NDF: 4349128.7/69

- sign 371.216 $\pm$ 0.058 χ^2 /NDF: 2163889.3/35

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 35.017 ± 22.134 $\chi^2/\text{NDF}: 16.2/15$

Left Out: -101.163 ± 15.068 $\chi^2/\text{NDF}: 33.7/17$

Right Out: -18.417 ± 22.141 $\chi^2/\text{NDF}: 23.4/18$

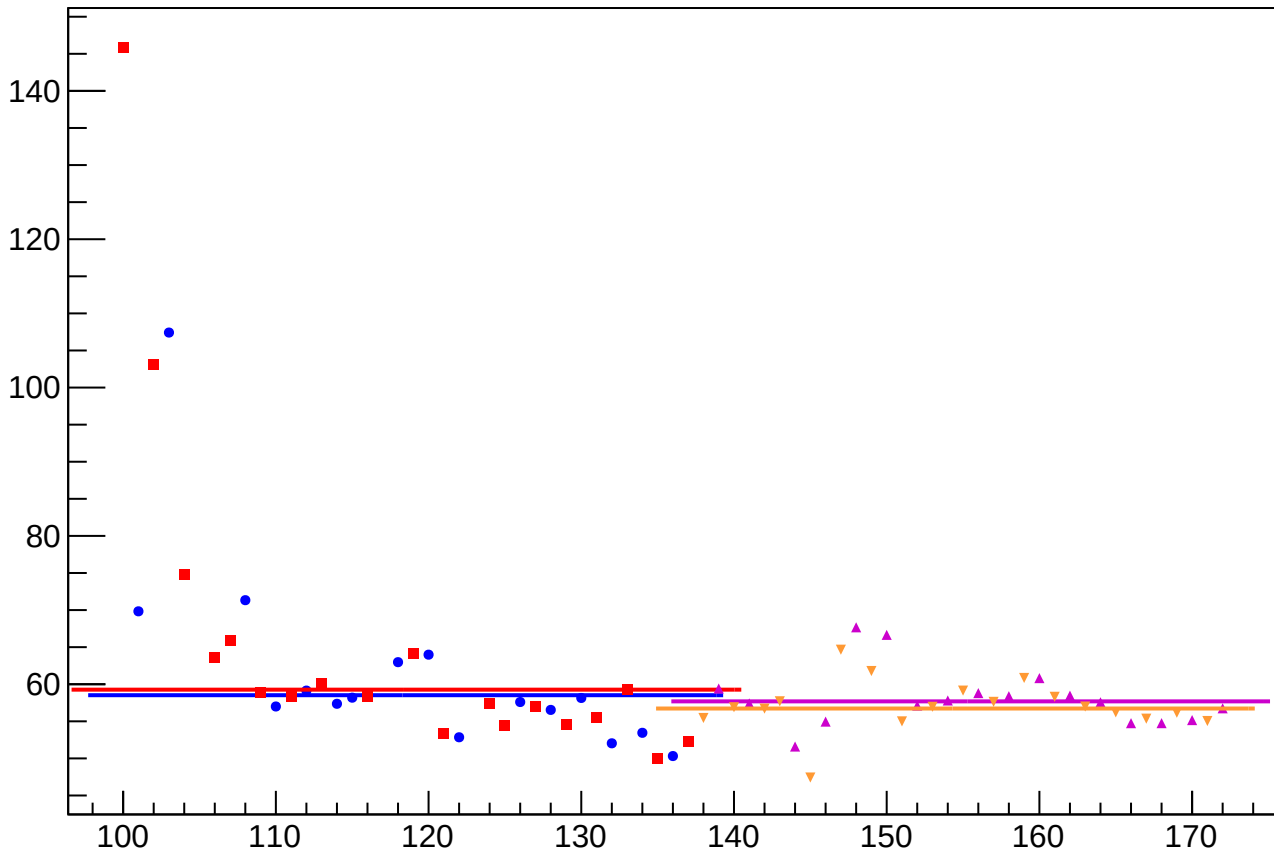
Left In: 109.254 ± 15.447 $\chi^2/\text{NDF}: 13.5/16$

+ sign -58.037 ± 12.456 $\chi^2/\text{NDF}: 75.8/33$

All: 3.648 ± 8.882 $\chi^2/\text{NDF}: 185.0/69$

- sign 67.456 ± 12.669 $\chi^2/\text{NDF}: 59.3/35$

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.522 $\pm$ 0.016 χ^2 /NDF: 392744.5/15

Left Out: 56.726 $\pm$ 0.011 χ^2 /NDF: 116301.5/17

Right Out: 59.269 $\pm$ 0.016 χ^2 /NDF: 405616.3/18

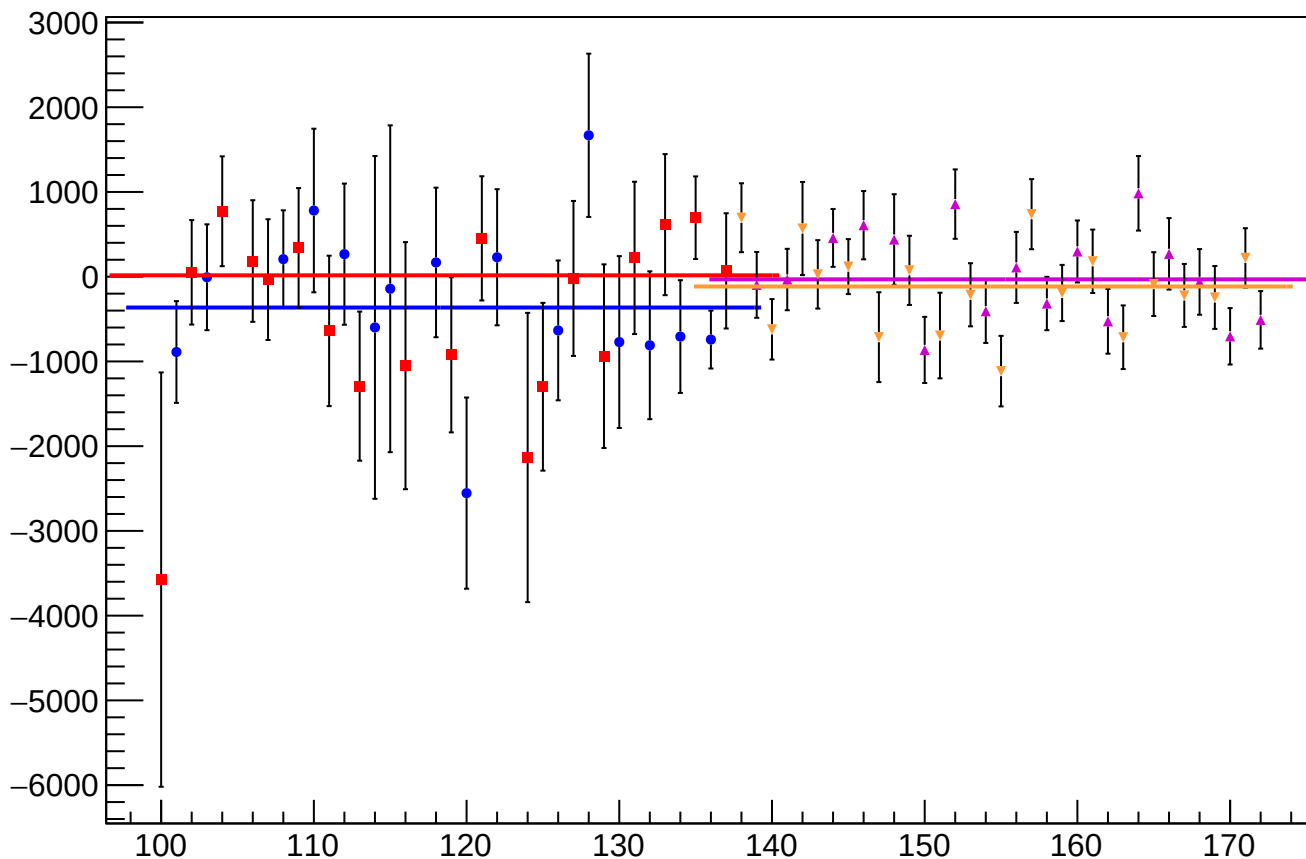
Left In: 57.691 $\pm$ 0.011 χ^2 /NDF: 117559.8/16

+ sign 57.295 $\pm$ 0.009 χ^2 /NDF: 518039.7/33

All: 57.743 $\pm$ 0.006 χ^2 /NDF: 1053335.2/69

- sign 58.208 $\pm$ 0.009 χ^2 /NDF: 530014.9/35

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -364.040 $\pm$ 180.602 χ^2 /NDF: 15.2/15

Left Out: -115.559 $\pm$ 91.984 χ^2 /NDF: 25.4/17

Right Out: 16.087 $\pm$ 183.650 χ^2 /NDF: 15.1/18

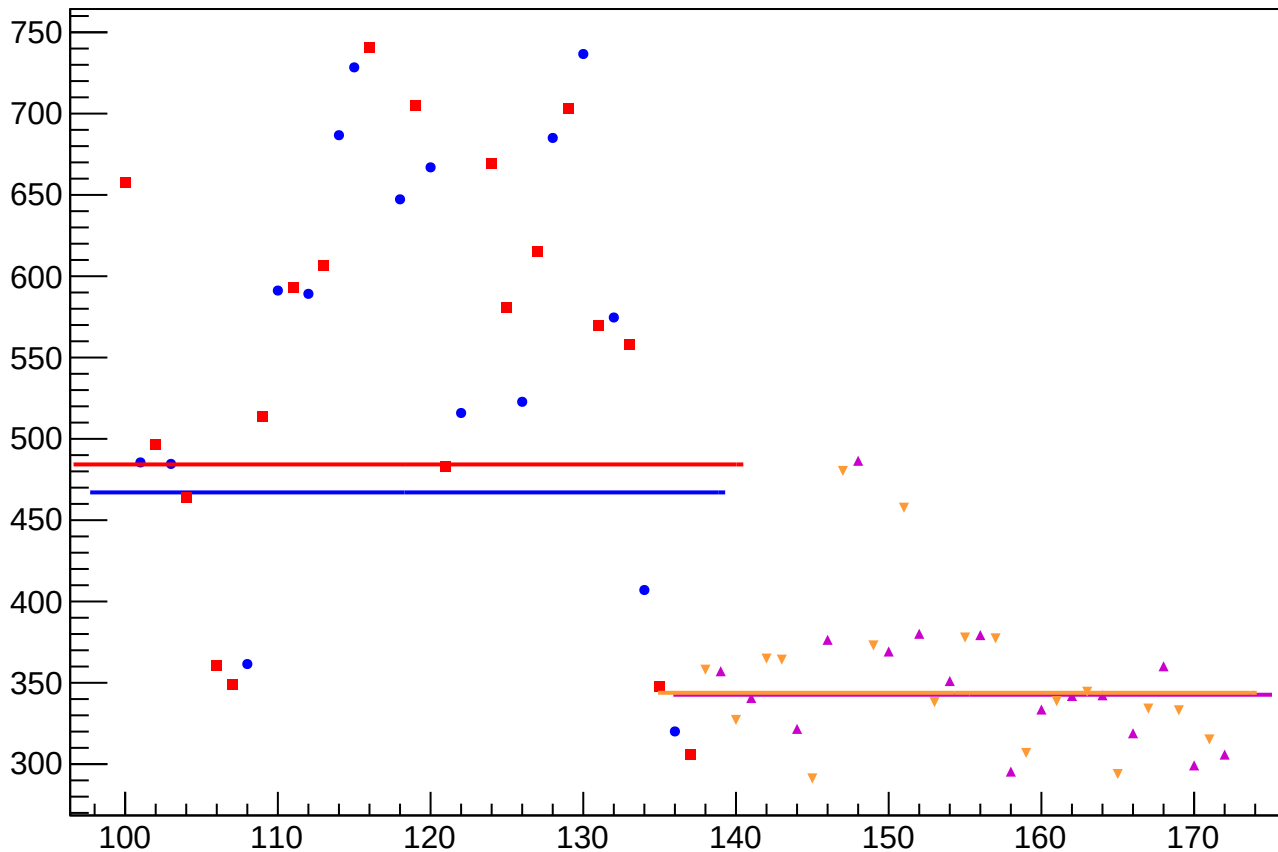
Left In: -31.473 $\pm$ 92.296 χ^2 /NDF: 31.0/16

+ sign -166.740 $\pm$ 81.965 χ^2 /NDF: 42.2/33

All: -94.754 $\pm$ 58.135 χ^2 /NDF: 89.9/69

- sign -21.883 $\pm$ 82.467 χ^2 /NDF: 46.2/35

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 467.071 ± 0.128 $\chi^2/\text{NDF}: 1030281.3/15$

Left Out: 343.867 ± 0.065 $\chi^2/\text{NDF}: 415337.1/17$

Right Out: 484.274 ± 0.130 $\chi^2/\text{NDF}: 888797.2/18$

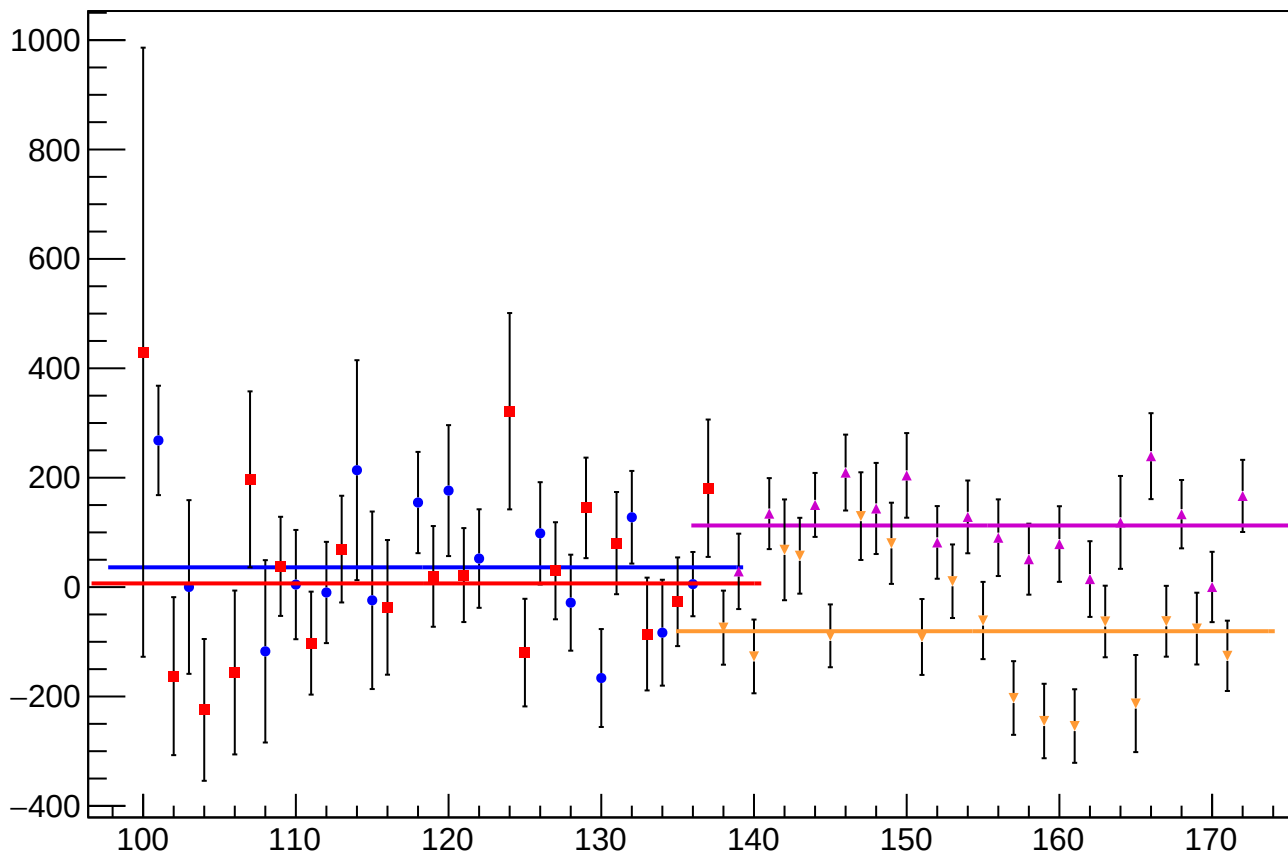
Left In: 342.661 ± 0.065 $\chi^2/\text{NDF}: 325687.6/16$

+ sign 369.243 ± 0.058 $\chi^2/\text{NDF}: 2184664.0/33$

All: 370.223 ± 0.041 $\chi^2/\text{NDF}: 4349128.7/69$

- sign 371.216 ± 0.058 $\chi^2/\text{NDF}: 2163889.3/35$

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

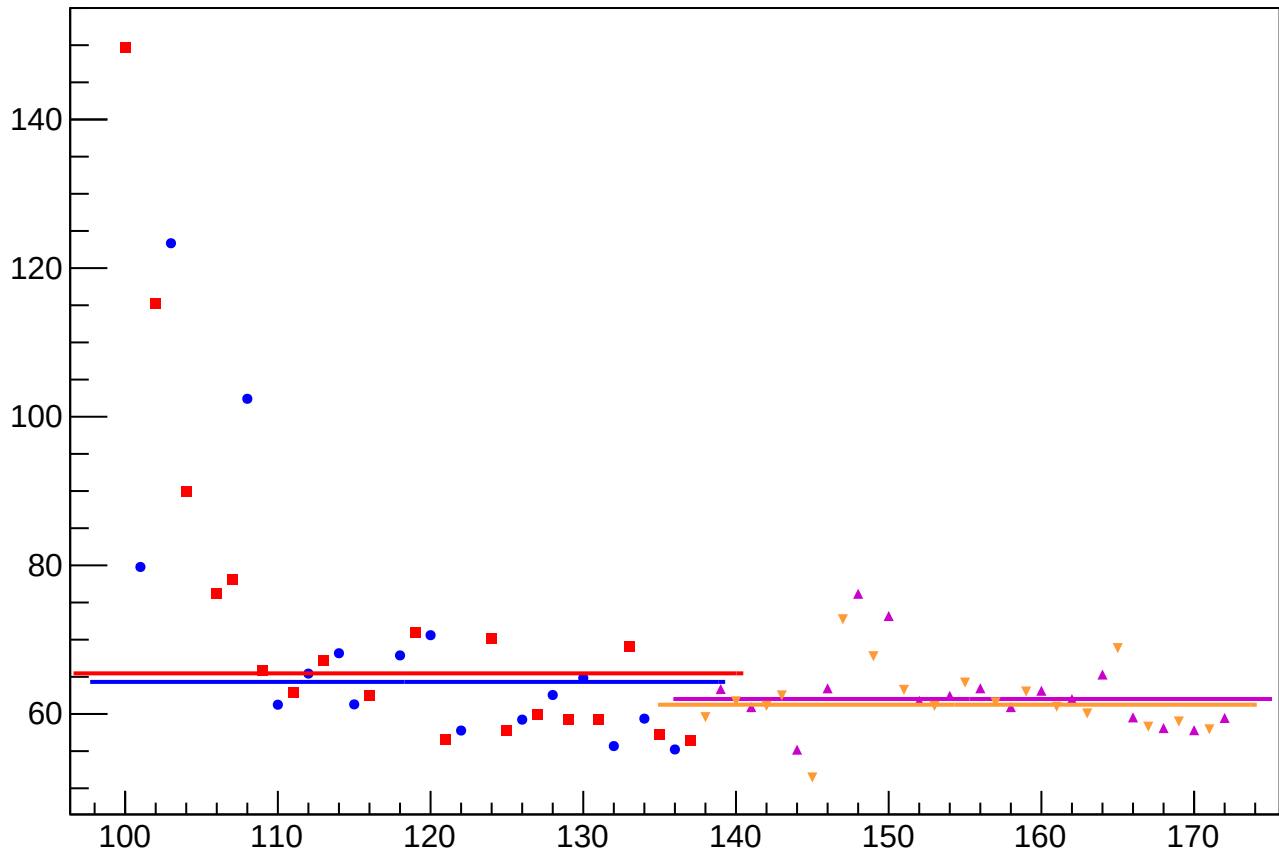
Left In: 112.655 ± 16.667 χ^2/NDF : 15.5/16

+ sign -44.746 ± 13.566 χ^2/NDF : 74.6/33

All: 16.233 ± 9.672 χ^2/NDF : 164.3/69

- sign 79.265 ± 13.792 χ^2/NDF : 48.5/35

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 ± 0.017 $\chi^2/\text{NDF}: 532065.0/15$

Left Out: 61.249 ± 0.012 $\chi^2/\text{NDF}: 150535.8/17$

Right Out: 65.466 ± 0.017 $\chi^2/\text{NDF}: 482361.0/18$

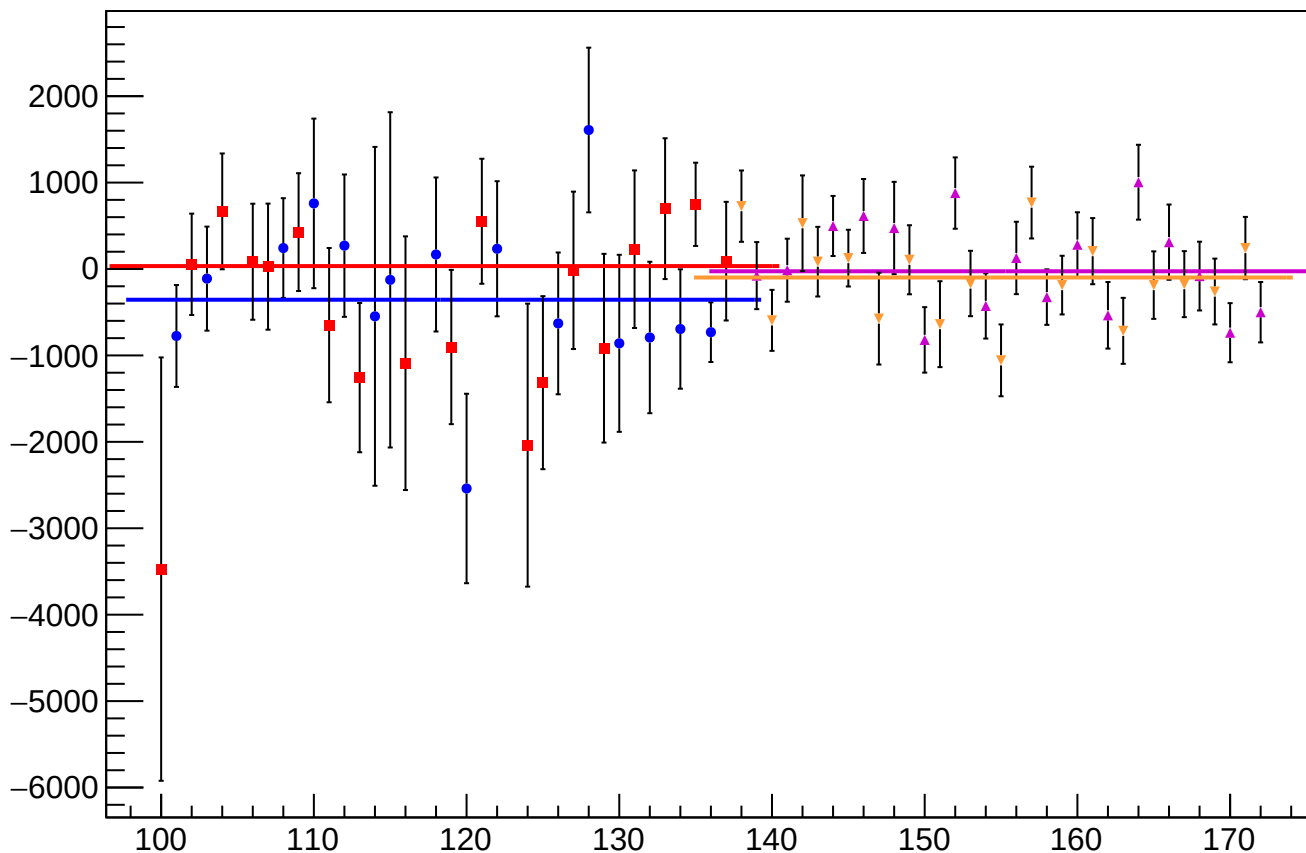
Left In: 62.018 ± 0.012 $\chi^2/\text{NDF}: 155246.1/16$

+ sign 62.191 ± 0.010 $\chi^2/\text{NDF}: 704371.9/33$

All: 62.641 ± 0.007 $\chi^2/\text{NDF}: 1373423.2/69$

- sign 63.105 ± 0.010 $\chi^2/\text{NDF}: 664591.3/35$

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

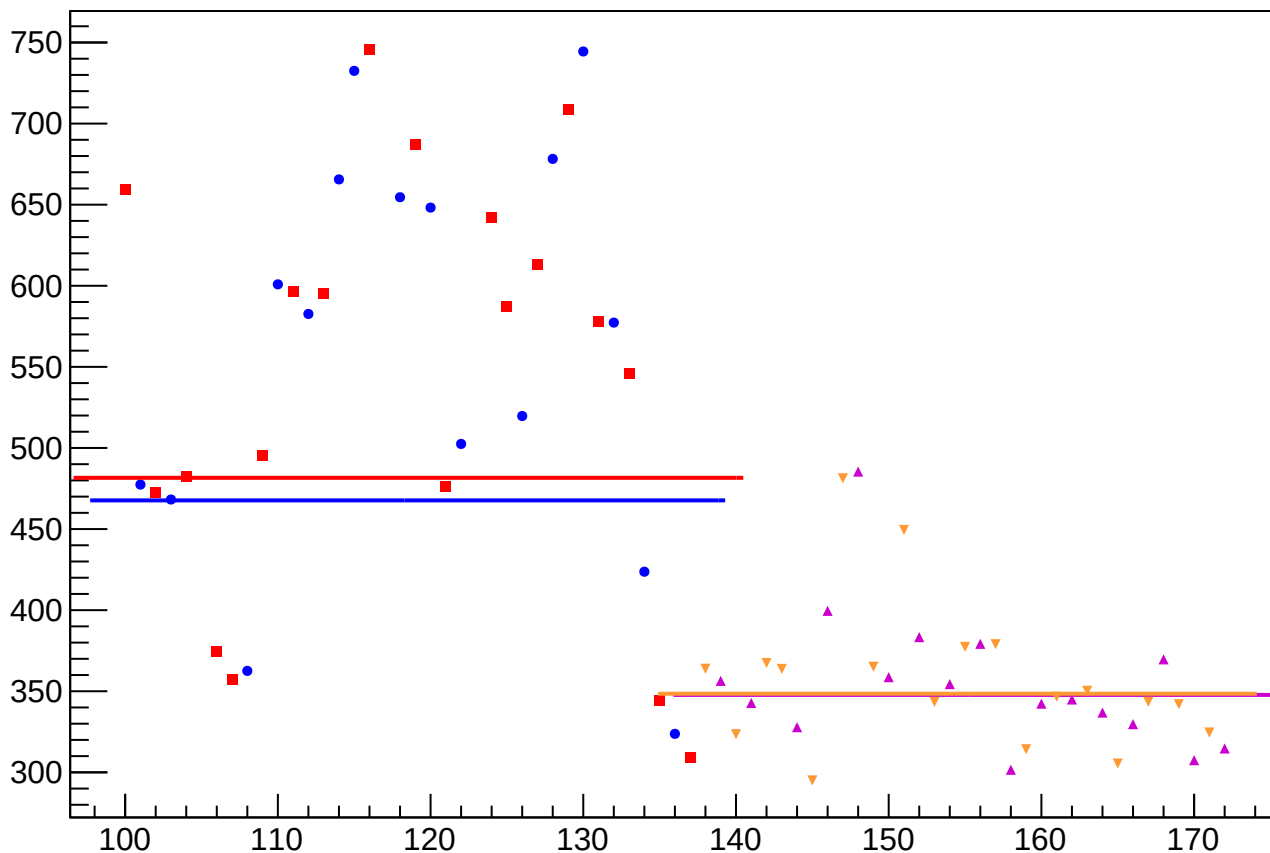
Left In: -26.173 ± 93.603 χ^2/NDF : 31.6/16

+ sign -152.394 ± 82.720 χ^2/NDF : 40.8/33

All: -83.388 ± 58.660 χ^2/NDF : 89.3/69

- sign -13.583 ± 83.197 χ^2/NDF : 47.1/35

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 467.674 $\pm$ 0.128 χ^2 /NDF: 985943.7/15

Left Out: 348.472 $\pm$ 0.066 χ^2 /NDF: 357259.4/17

Right Out: 481.599 $\pm$ 0.128 χ^2 /NDF: 854281.1/18

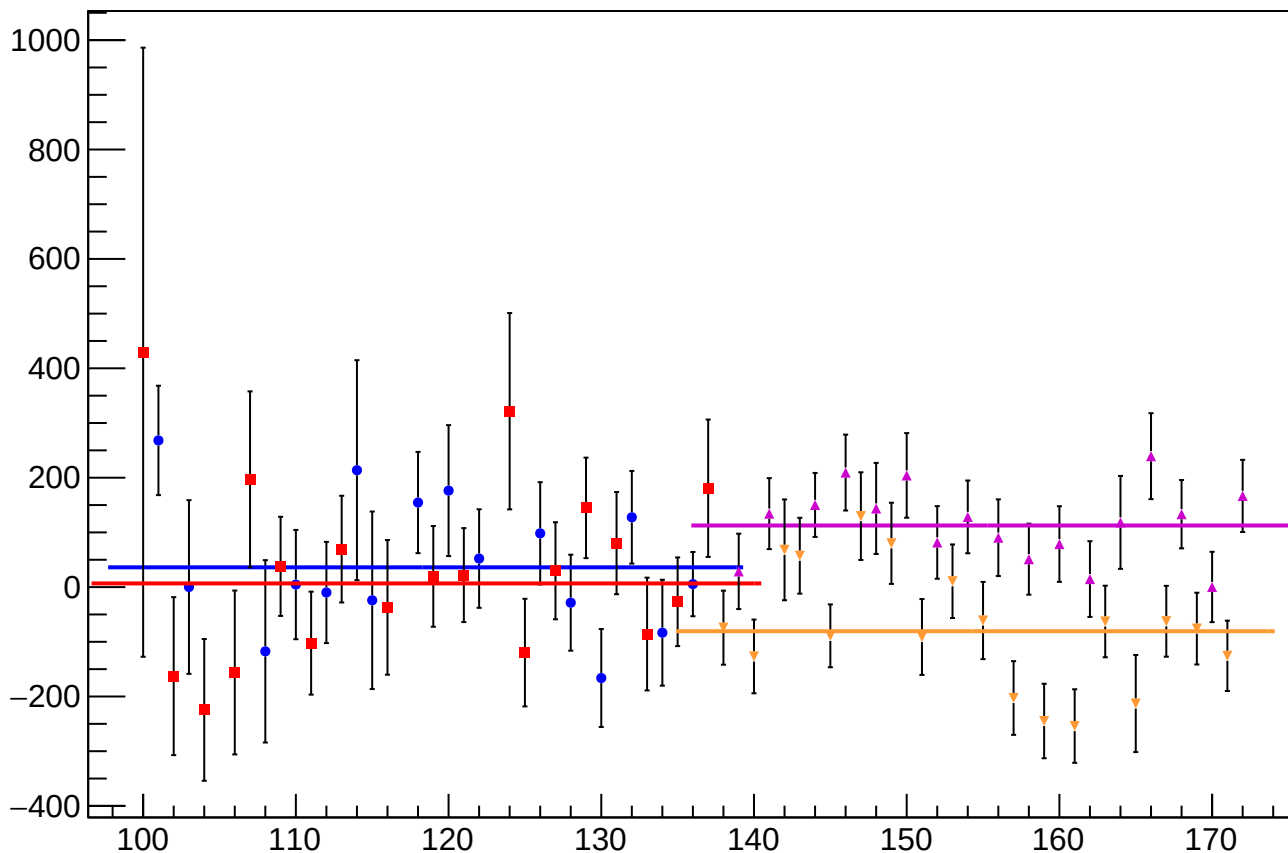
Left In: 347.738 $\pm$ 0.066 χ^2 /NDF: 296771.9/16

+ sign 373.553 $\pm$ 0.058 χ^2 /NDF: 2033198.2/33

All: 374.693 $\pm$ 0.041 χ^2 /NDF: 4043908.1/69

- sign 375.846 $\pm$ 0.059 χ^2 /NDF: 2009946.2/35

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

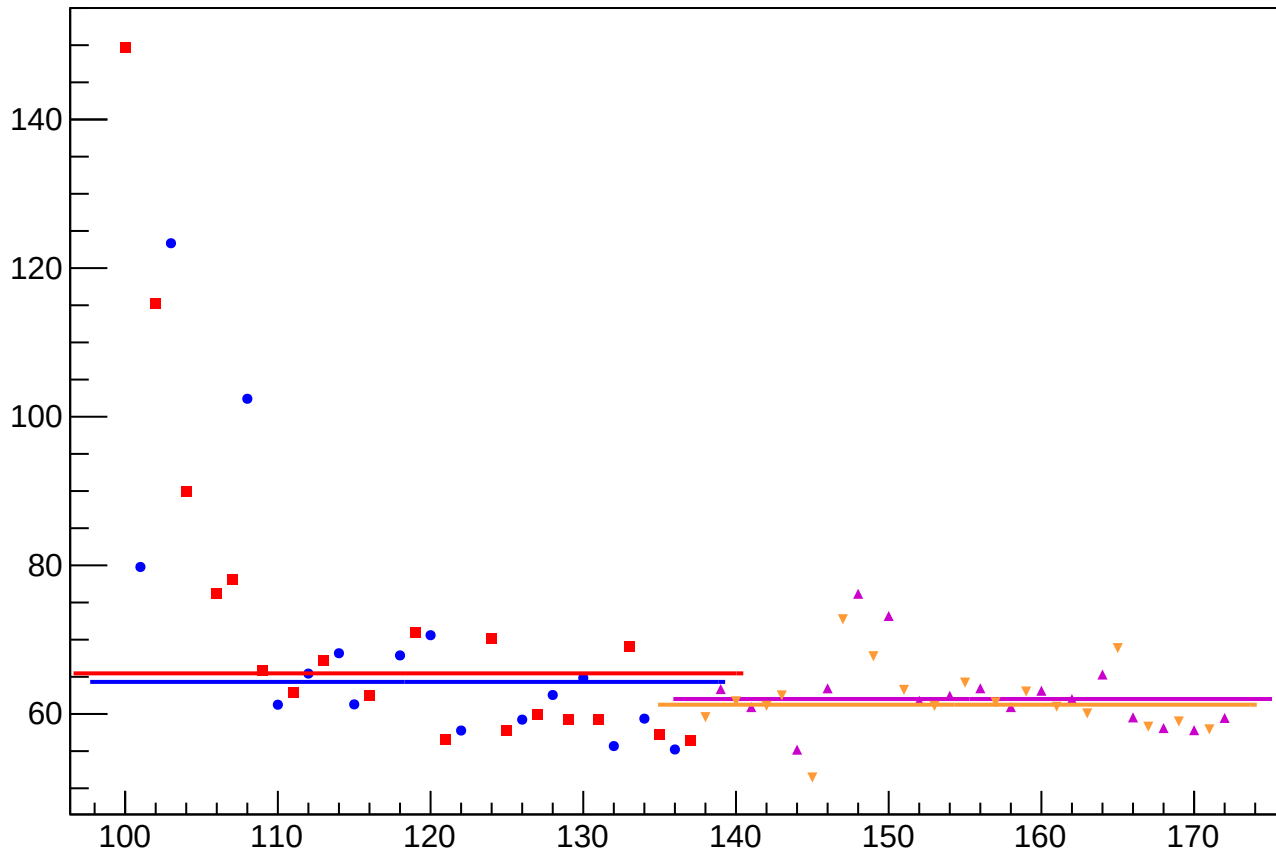
Left In: 112.655 ± 16.667 χ^2/NDF : 15.5/16

+ sign -44.746 ± 13.566 χ^2/NDF : 74.6/33

All: 16.233 ± 9.672 χ^2/NDF : 164.3/69

- sign 79.265 ± 13.792 χ^2/NDF : 48.5/35

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.316 ± 0.017 $\chi^2/\text{NDF}: 532073.4/15$

Left Out: 61.249 ± 0.012 $\chi^2/\text{NDF}: 150540.7/17$

Right Out: 65.466 ± 0.017 $\chi^2/\text{NDF}: 482367.1/18$

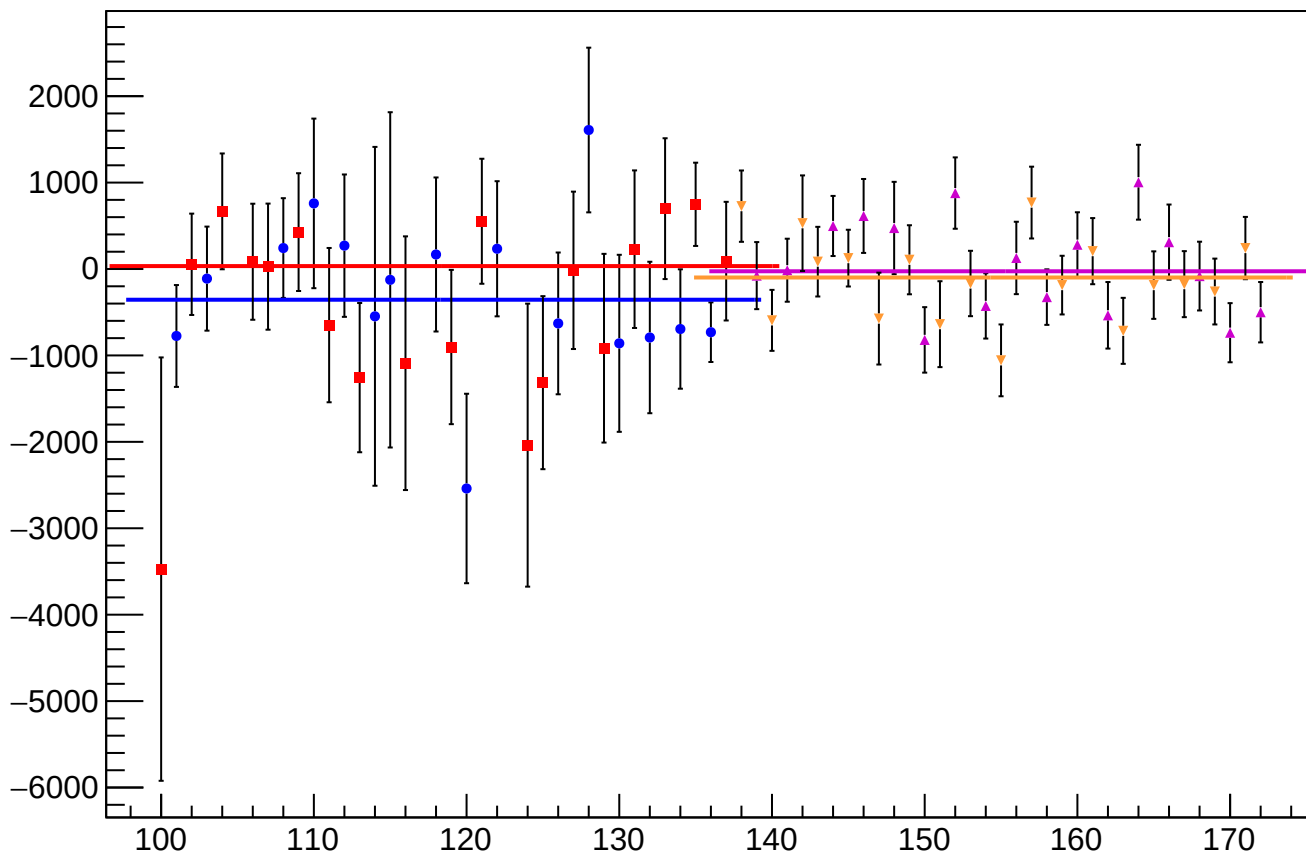
Left In: 62.018 ± 0.012 $\chi^2/\text{NDF}: 155249.6/16$

+ sign 62.191 ± 0.010 $\chi^2/\text{NDF}: 704383.2/33$

All: 62.641 ± 0.007 $\chi^2/\text{NDF}: 1373442.1/69$

- sign 63.105 ± 0.010 $\chi^2/\text{NDF}: 664598.8/35$

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -355.529 $\pm$ 180.334 χ^2 /NDF: 14.8/15

Left Out: -98.264 $\pm$ 93.091 χ^2 /NDF: 24.4/17

Right Out: 33.787 $\pm$ 181.560 χ^2 /NDF: 15.4/18

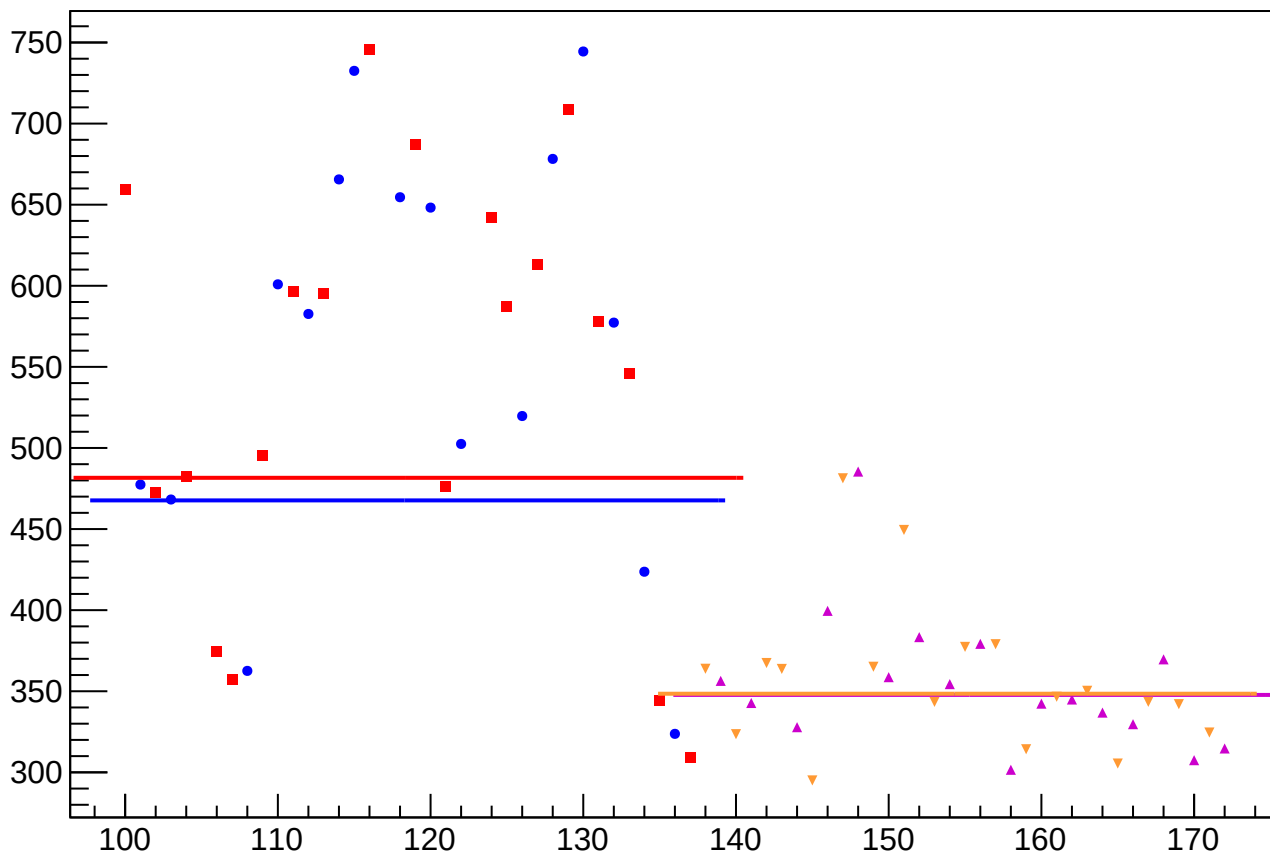
Left In: -26.173 $\pm$ 93.603 χ^2 /NDF: 31.6/16

+ sign -152.394 $\pm$ 82.720 χ^2 /NDF: 40.8/33

All: -83.388 $\pm$ 58.660 χ^2 /NDF: 89.3/69

- sign -13.583 $\pm$ 83.197 χ^2 /NDF: 47.1/35

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 467.674 $\pm$ 0.128 χ^2 /NDF: 985945.4/15

Left Out: 348.472 $\pm$ 0.066 χ^2 /NDF: 357259.1/17

Right Out: 481.599 $\pm$ 0.128 χ^2 /NDF: 854281.0/18

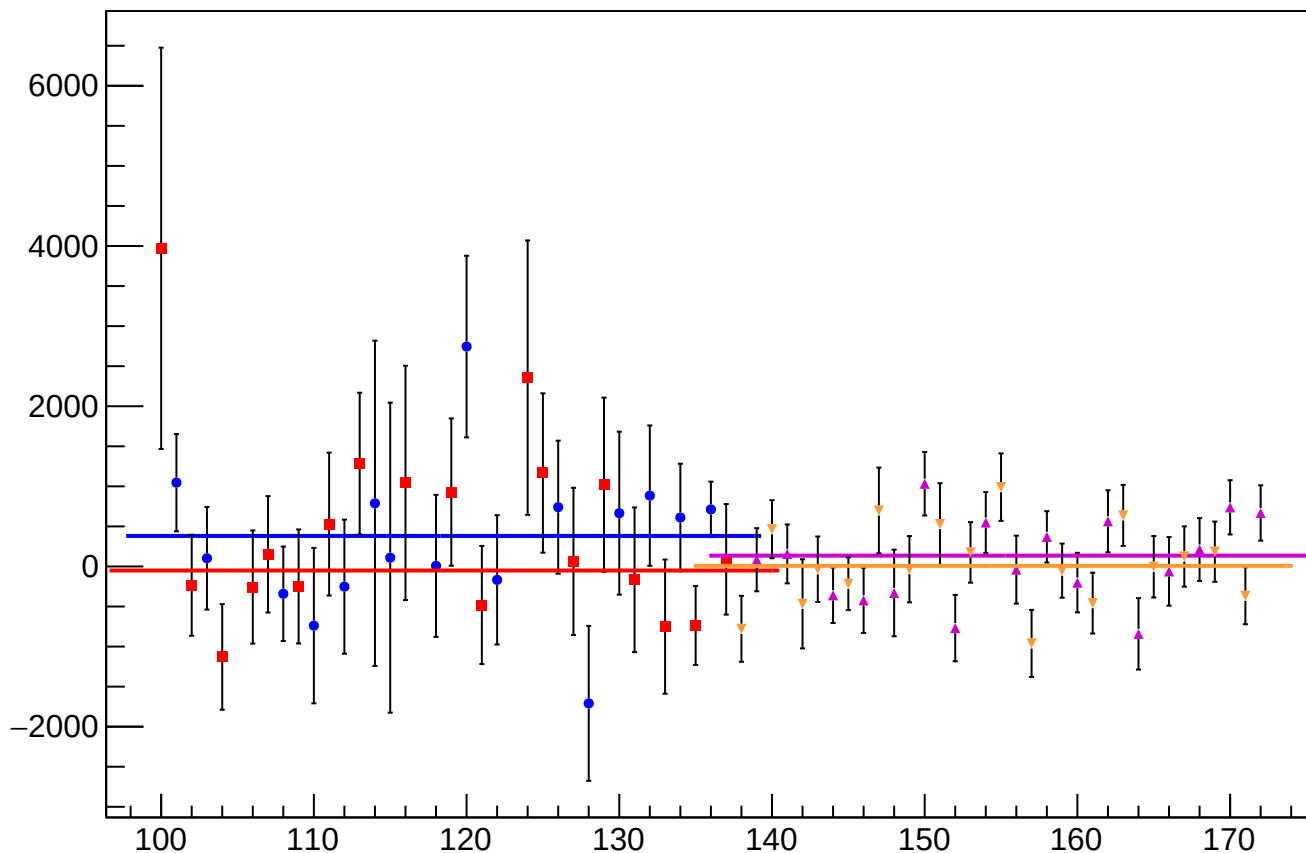
Left In: 347.738 $\pm$ 0.066 χ^2 /NDF: 296772.6/16

+ sign 373.553 $\pm$ 0.058 χ^2 /NDF: 2033192.8/33

All: 374.693 $\pm$ 0.041 χ^2 /NDF: 4043894.0/69

- sign 375.846 $\pm$ 0.059 χ^2 /NDF: 2009937.4/35

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

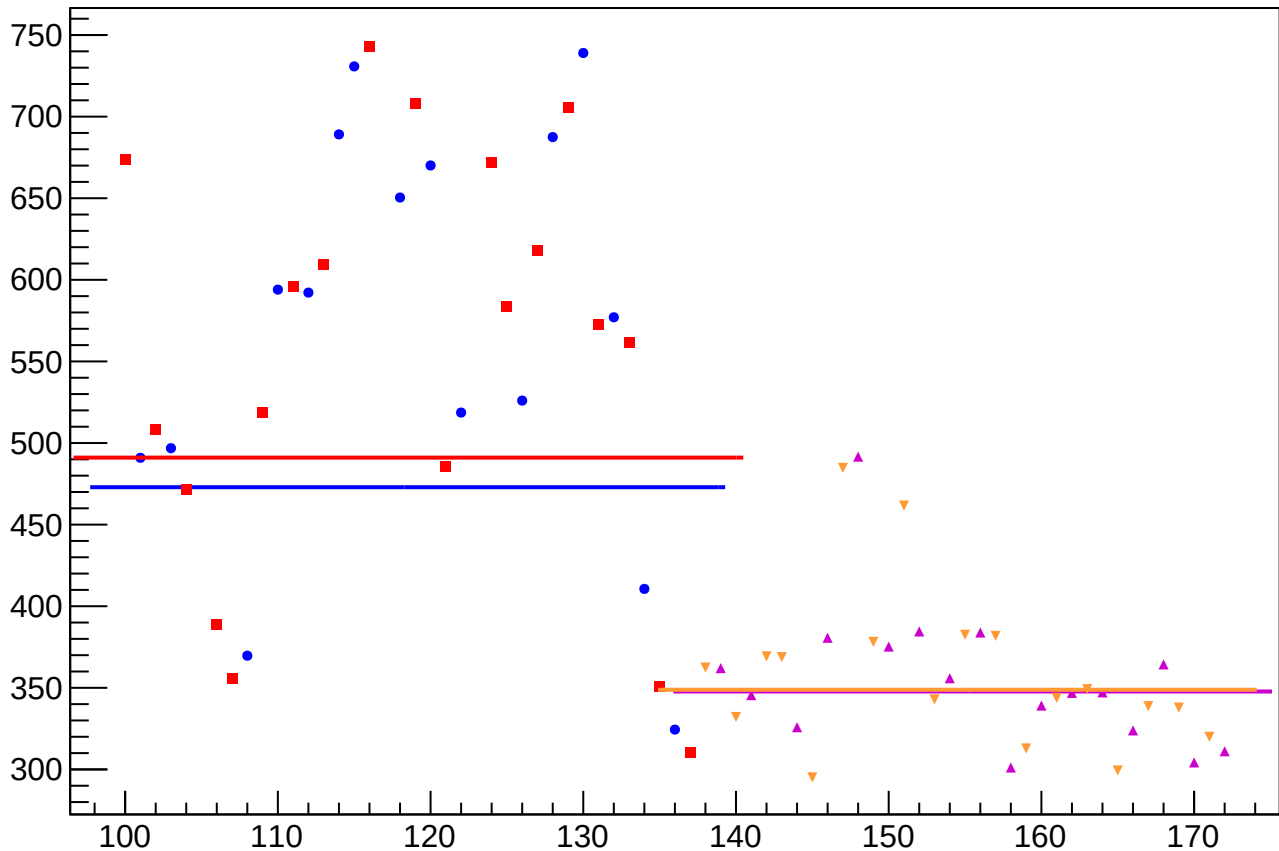
Left In: 135.225 ± 93.640 χ^2/NDF : 29.1/16

+ sign 84.808 ± 83.073 χ^2/NDF : 45.3/33

All: 91.093 ± 58.917 χ^2/NDF : 92.7/69

- sign 97.454 ± 83.572 χ^2/NDF : 47.4/35

asym_sam_13_57_dd_rms vs Slug



Right In: 472.924 $\pm$ 0.129 χ^2 /NDF: 1000274.3/15

Left Out: 348.821 $\pm$ 0.066 χ^2 /NDF: 402754.4/17

Right Out: 491.063 $\pm$ 0.131 χ^2 /NDF: 847493.6/18

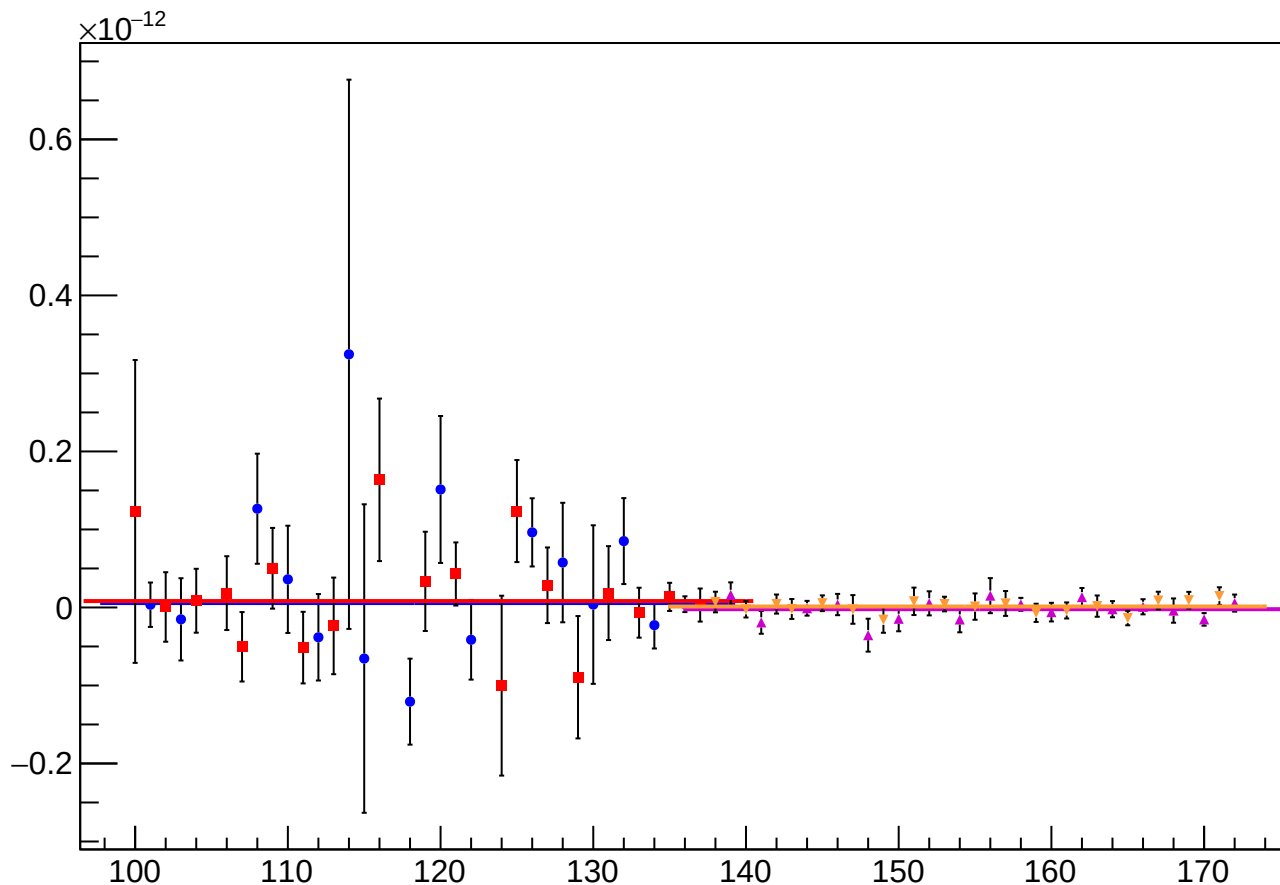
Left In: 347.754 $\pm$ 0.066 χ^2 /NDF: 314858.3/16

+ sign 374.492 $\pm$ 0.059 χ^2 /NDF: 2135327.6/33

All: 375.697 $\pm$ 0.042 χ^2 /NDF: 4251749.1/69

- sign 376.916 $\pm$ 0.059 χ^2 /NDF: 2115574.9/35

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.0/18

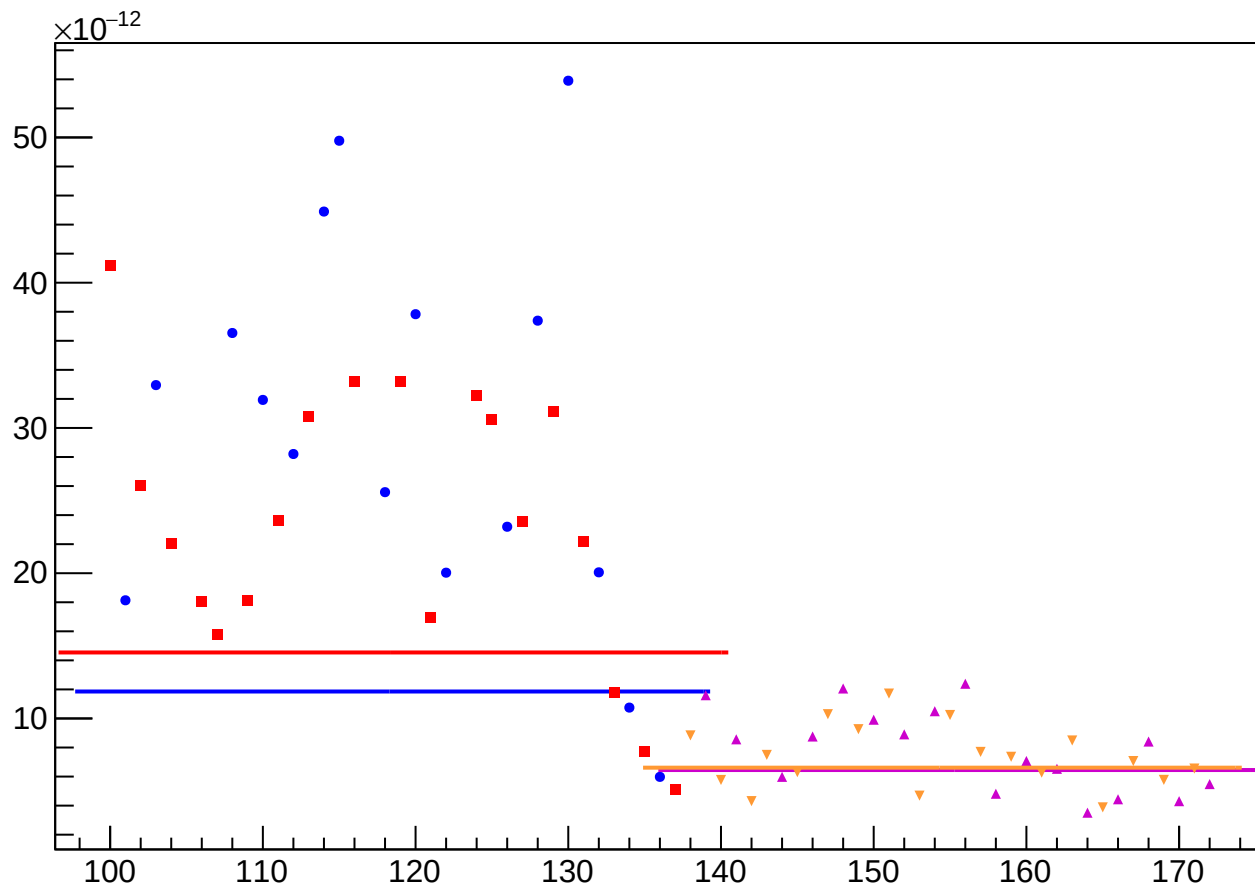
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.1/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.9/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.2/35

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2848478.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 875897.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1769864.5/18

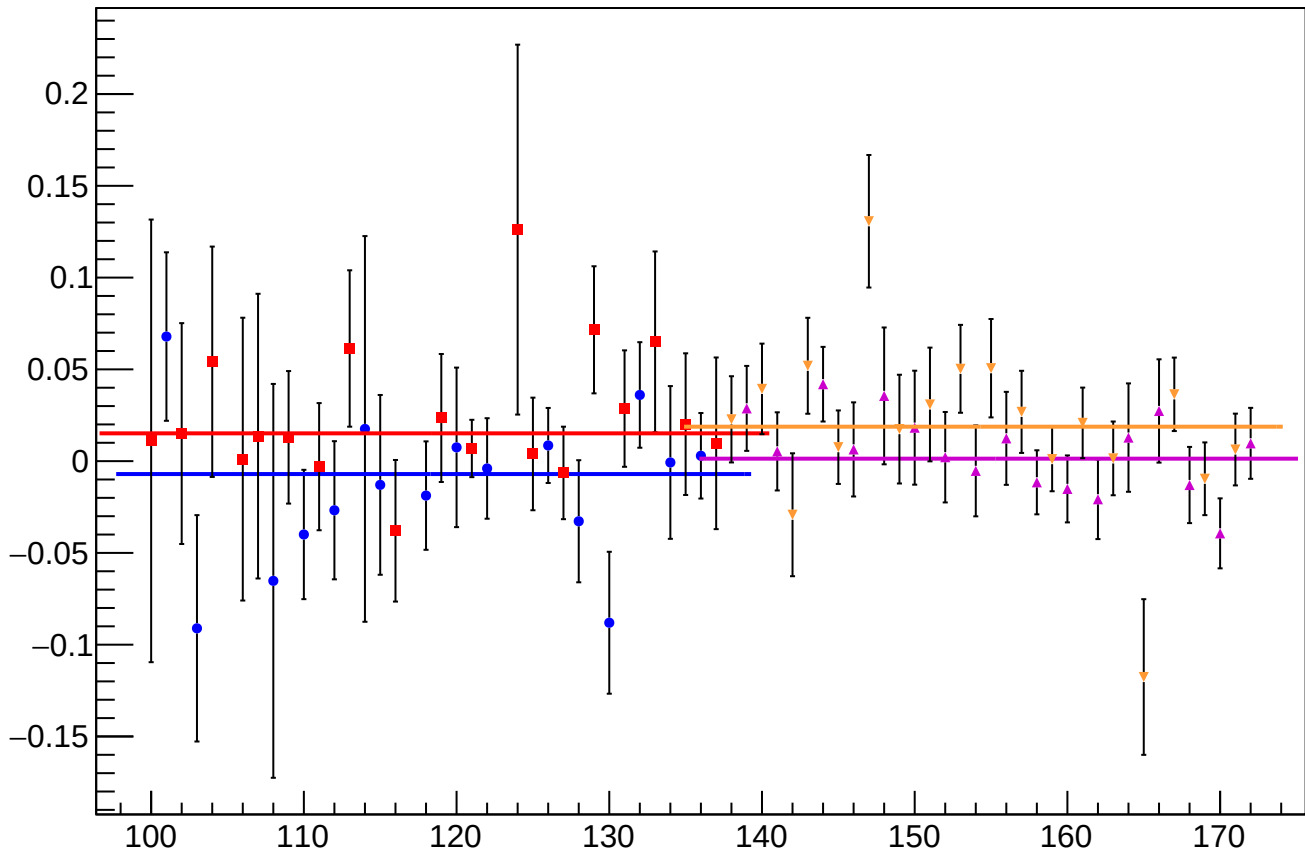
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1375582.5/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4470139.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8997313.7/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4527161.4/35

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 0.019 ± 0.006 $\chi^2/\text{NDF}: 33.1/17$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 10.1/18$

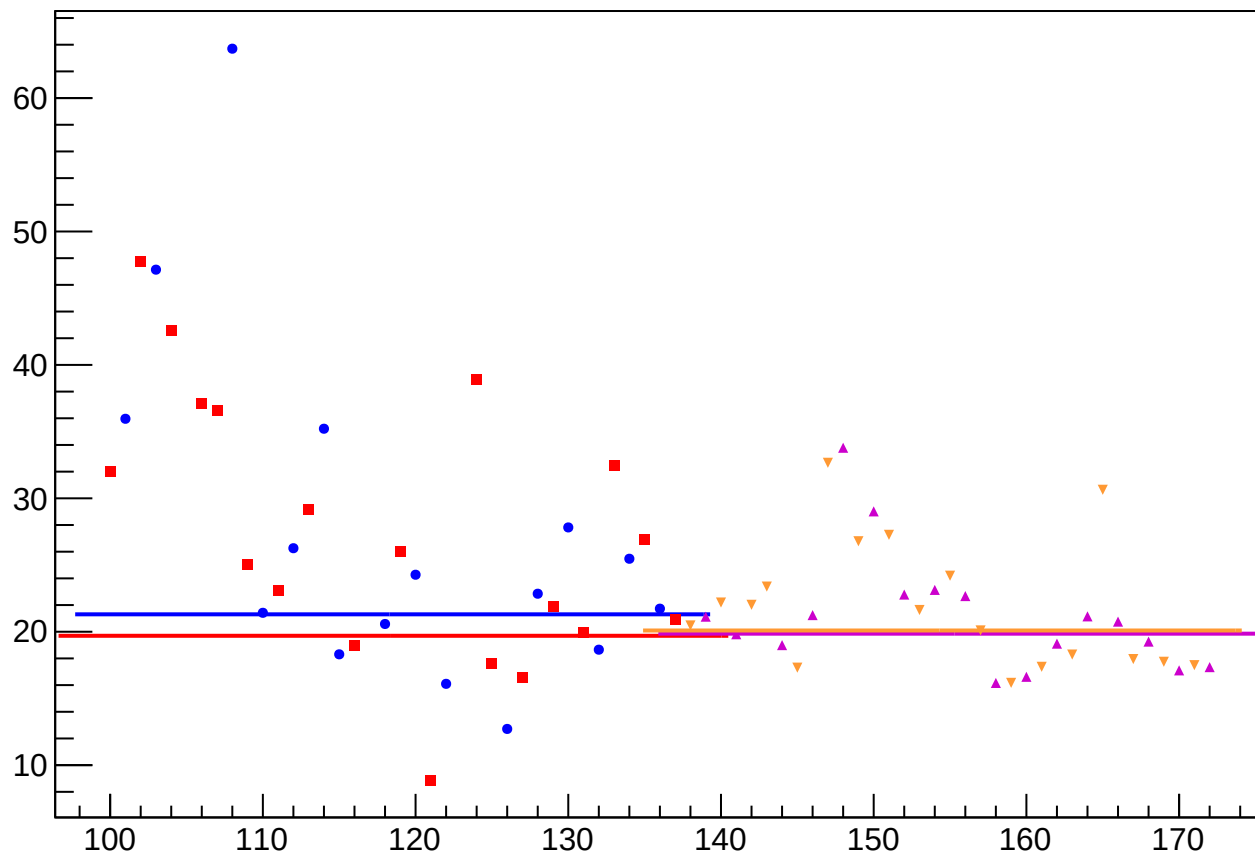
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 15.5/16$

+ sign 0.011 ± 0.005 $\chi^2/\text{NDF}: 53.8/33$

All: 0.008 ± 0.003 $\chi^2/\text{NDF}: 82.1/69$

- sign 0.006 ± 0.005 $\chi^2/\text{NDF}: 27.5/35$

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.305 $\pm$ 0.006 χ^2 /NDF: 1479398.3/15

Left Out: 20.093 $\pm$ 0.004 χ^2 /NDF: 965254.3/17

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

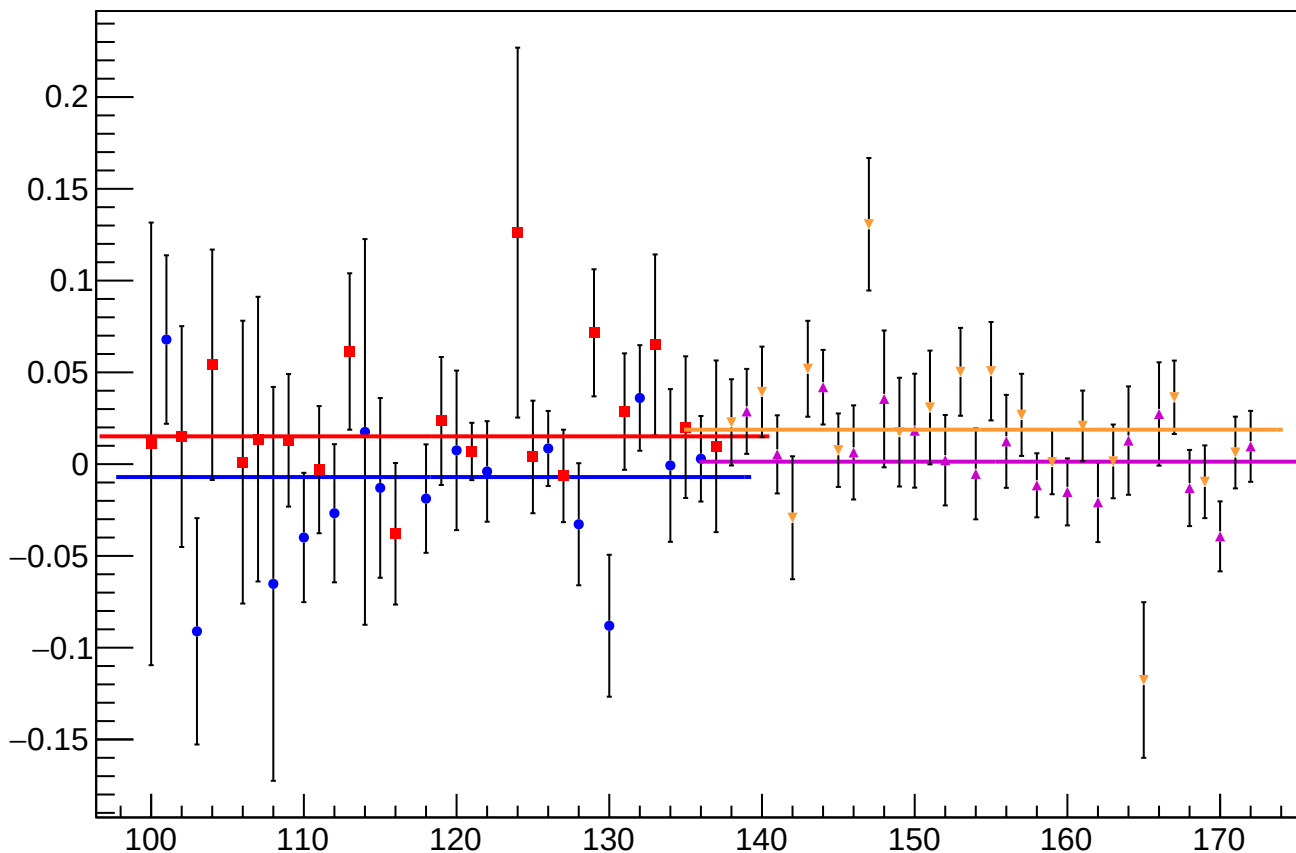
Left In: 19.855 $\pm$ 0.004 χ^2 /NDF: 795130.5/16

+ sign 20.444 $\pm$ 0.003 χ^2 /NDF: 2472737.3/33

All: 20.120 $\pm$ 0.002 χ^2 /NDF: 5726543.4/69

- sign 19.806 $\pm$ 0.003 χ^2 /NDF: 3234622.2/35

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.009 $\chi^2/\text{NDF}: 14.3/15$

Left Out: 0.019 ± 0.006 $\chi^2/\text{NDF}: 33.1/17$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 10.1/18$

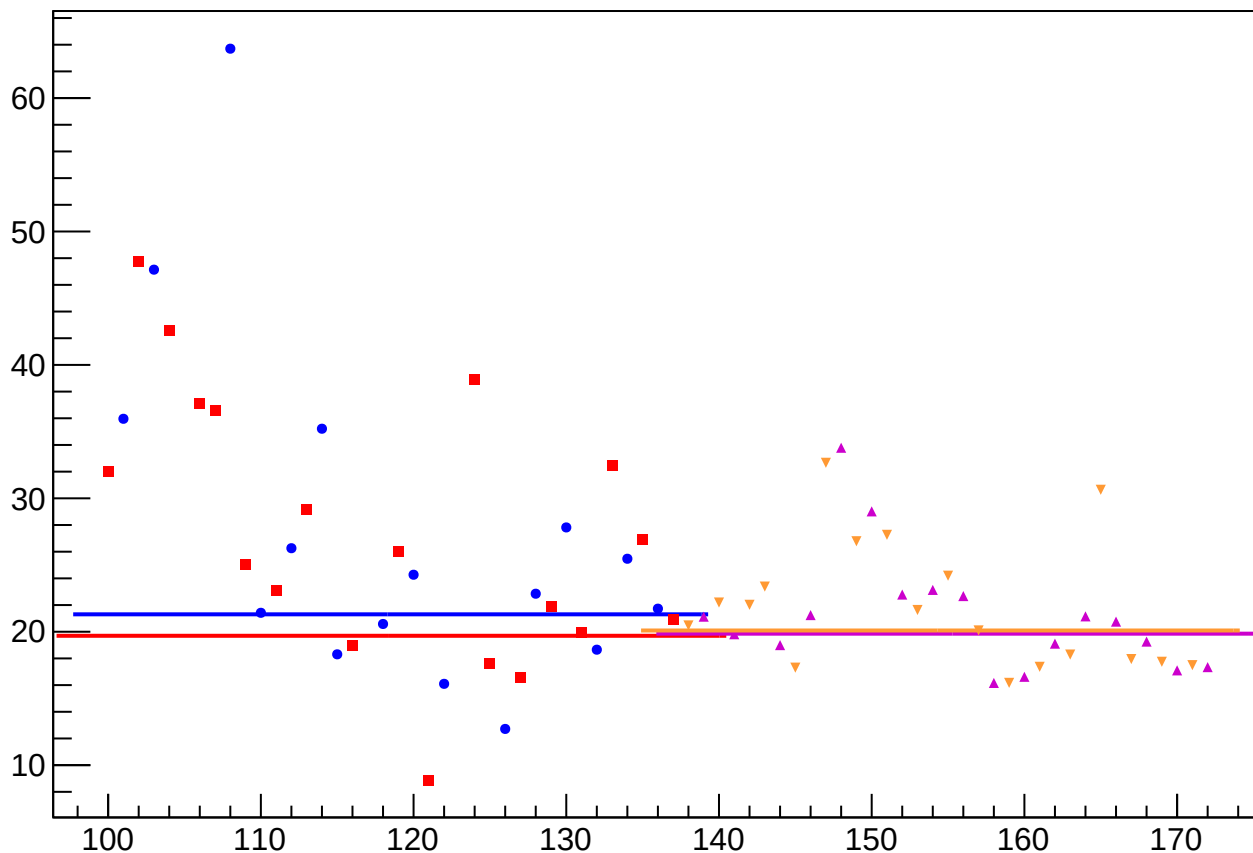
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 15.5/16$

+ sign 0.011 ± 0.005 $\chi^2/\text{NDF}: 53.8/33$

All: 0.008 ± 0.003 $\chi^2/\text{NDF}: 82.1/69$

- sign 0.006 ± 0.005 $\chi^2/\text{NDF}: 27.5/35$

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.305 $\pm$ 0.006 χ^2 /NDF: 1479398.3/15

Left Out: 20.093 $\pm$ 0.004 χ^2 /NDF: 965254.3/17

Right Out: 19.697 $\pm$ 0.006 χ^2 /NDF: 2438979.3/18

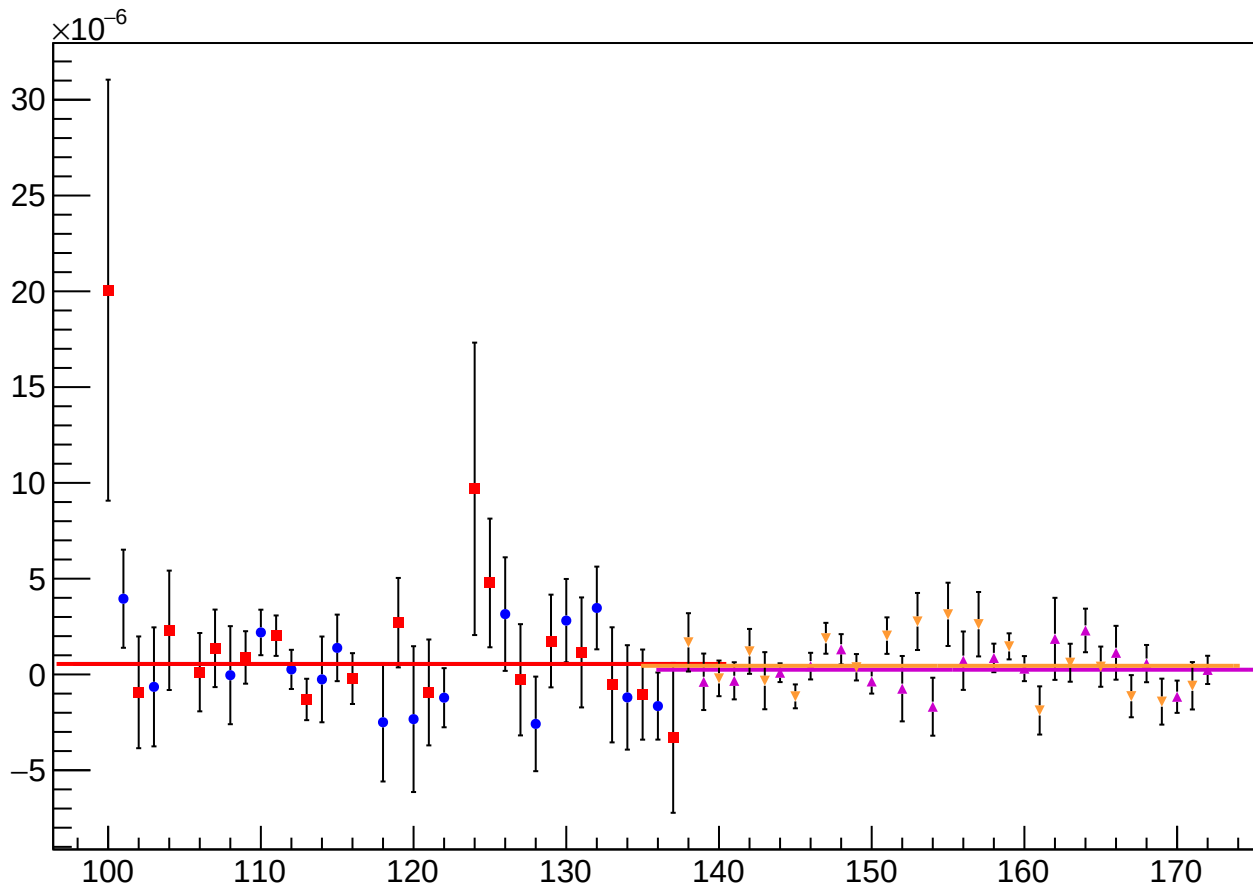
Left In: 19.855 $\pm$ 0.004 χ^2 /NDF: 795130.5/16

+ sign 20.444 $\pm$ 0.003 χ^2 /NDF: 2472737.3/33

All: 20.120 $\pm$ 0.002 χ^2 /NDF: 5726543.4/69

- sign 19.806 $\pm$ 0.003 χ^2 /NDF: 3234622.2/35

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/18

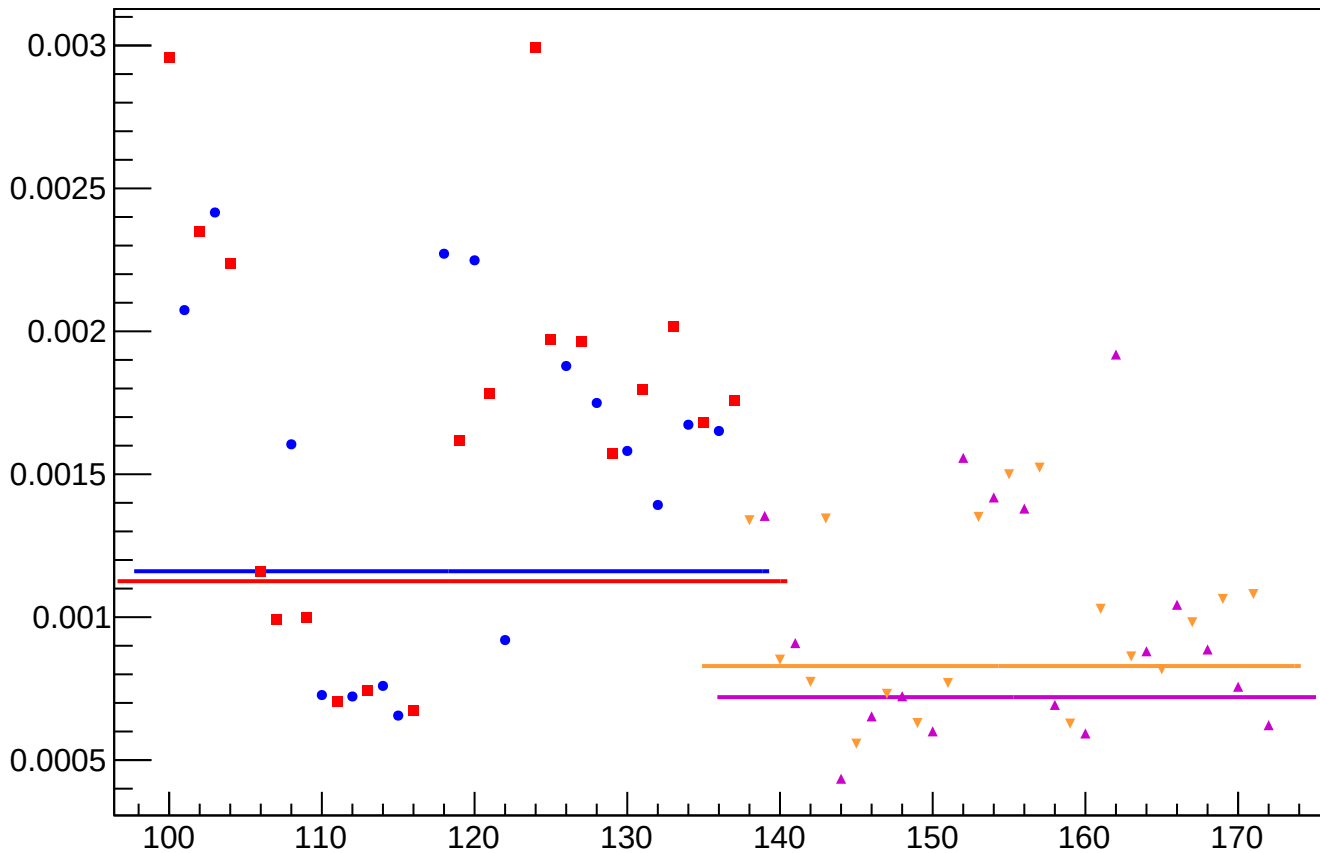
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 75.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.0/35

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 2396723.7/17

Right Out: 0.001+/-0.000 χ^2/NDF : 2623987.9/18

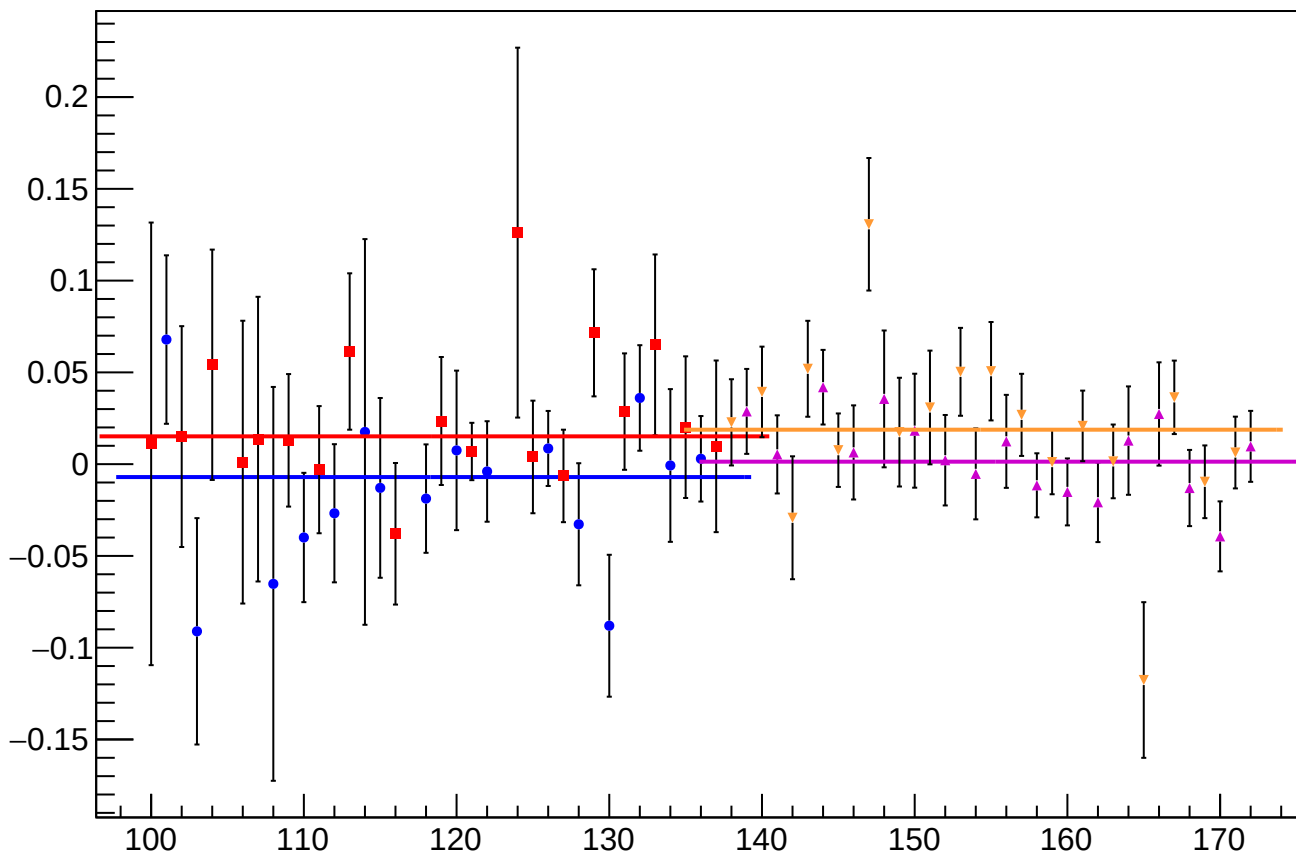
Left In: 0.001+/-0.000 χ^2/NDF : 3446062.3/16

+ sign 0.001+/-0.000 χ^2/NDF : 5705430.8/33

All: 0.001+/-0.000 χ^2/NDF : 13338677.7/69

- sign 0.001+/-0.000 χ^2/NDF : 7366807.0/35

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 $\pm$ 0.009 χ^2 /NDF: 14.3/15

Left Out: 0.019 $\pm$ 0.006 χ^2 /NDF:33.1/17

Right Out: 0.015 $\pm$ 0.008 χ^2 /NDF: 10.1/18

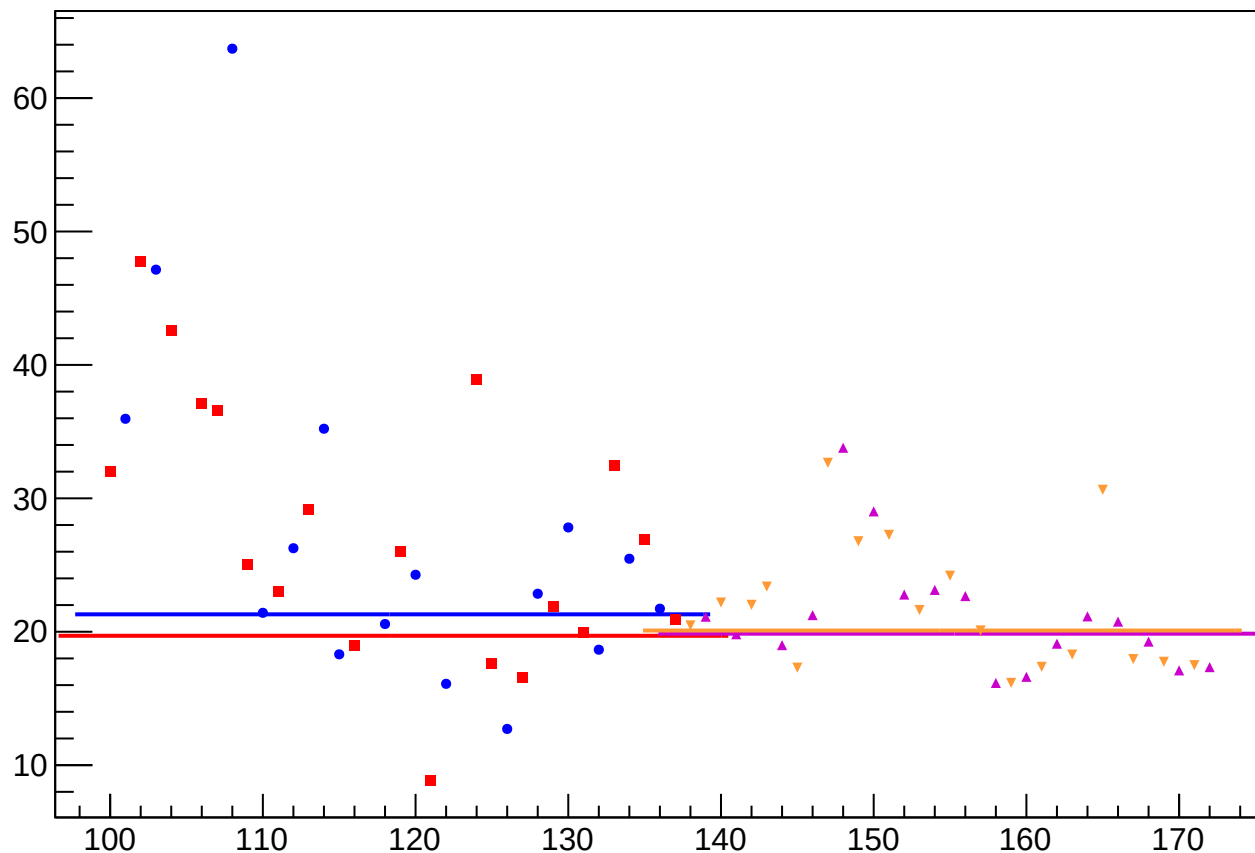
Left In: 0.001 $\pm$ 0.005 χ^2 /NDF:15.5/16

+ sign 0.011 $\pm$ 0.005 χ^2 /NDF: 53.8/33

All: 0.008 $\pm$ 0.003 χ^2 /NDF: 82.1/69

- sign 0.006 $\pm$ 0.005 χ^2 /NDF: 27.5/35

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

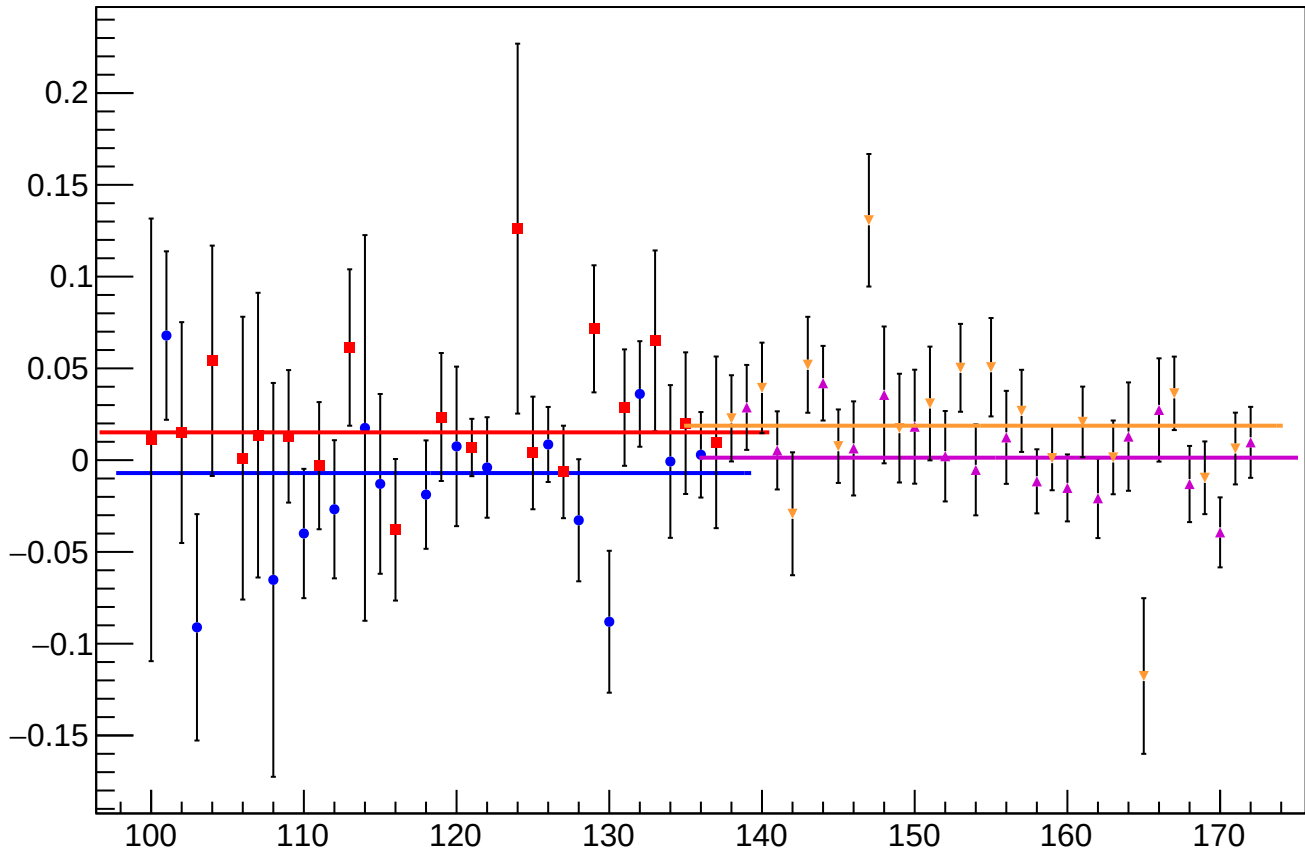
Left In: 19.855+/-0.004 χ^2/NDF : 795218.0/16

+ sign 20.444+/-0.003 χ^2/NDF : 2472735.9/33

All: 20.120+/-0.002 χ^2/NDF : 5726247.0/69

- sign 19.807+/-0.003 χ^2/NDF : 3234338.4/35

asym_sam_13_57_dd_eigen_dit_vs_eigen_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

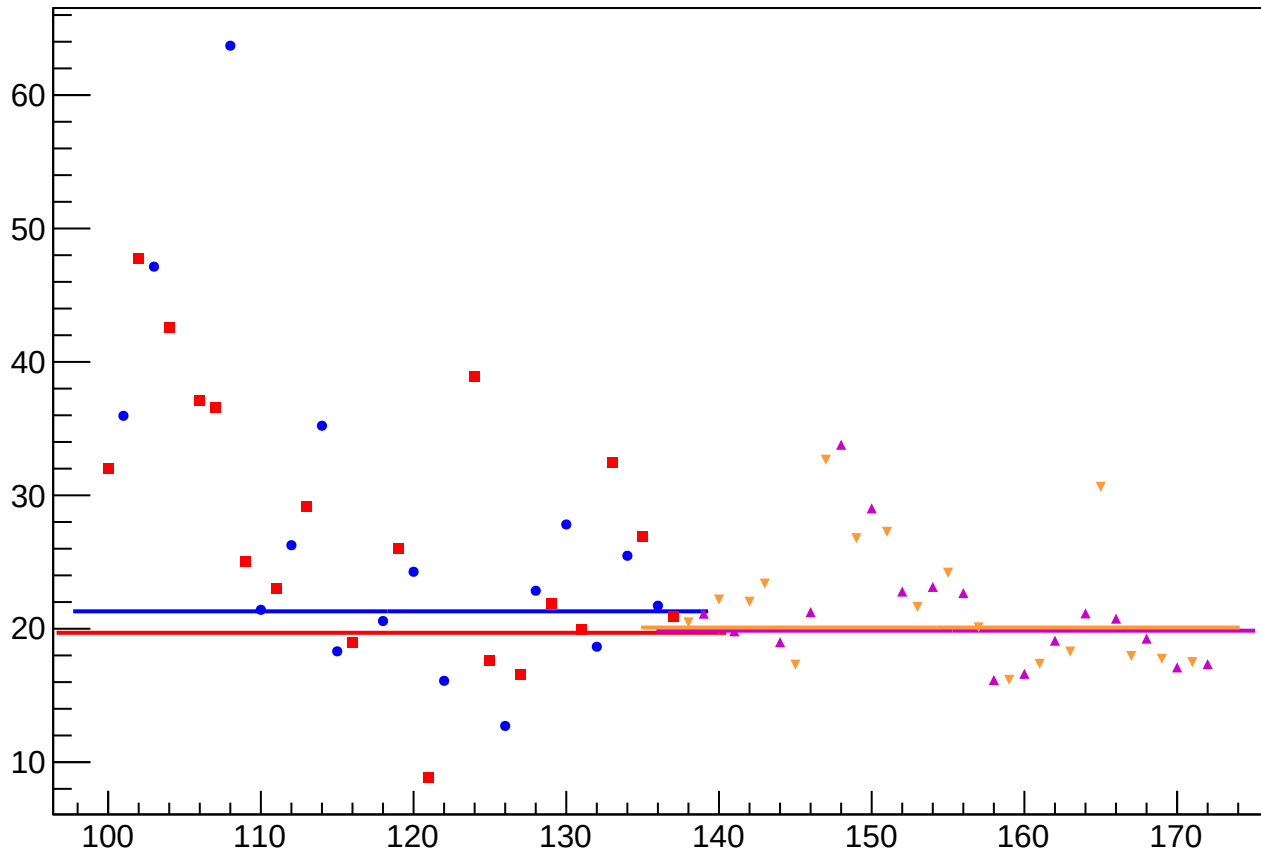
Left In: 0.001 ± 0.005 χ^2/NDF : 15.5/16

+ sign 0.011 ± 0.005 χ^2/NDF : 53.8/33

All: 0.008 ± 0.003 χ^2/NDF : 82.1/69

- sign 0.006 ± 0.005 χ^2/NDF : 27.5/35

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.306 $\pm$ 0.006 χ^2/NDF : 1479231.5/15

Left Out: 20.093 $\pm$ 0.004 χ^2/NDF : 965401.4/17

+ sign 20.444 $\pm$ 0.003 χ^2/NDF : 2472735.9/33

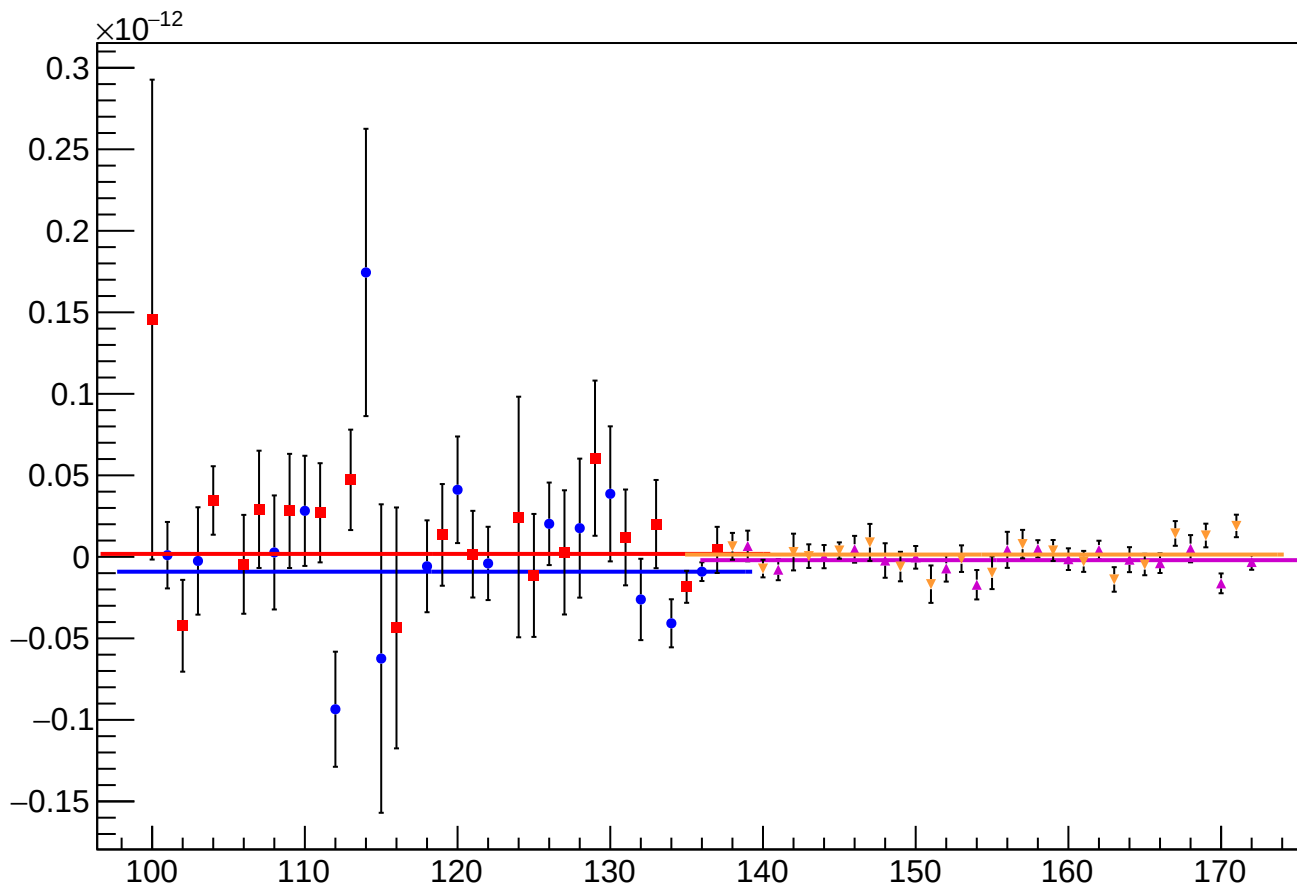
Right Out: 19.698 $\pm$ 0.006 χ^2/NDF : 2438612.4/18

All: 20.120 $\pm$ 0.002 χ^2/NDF : 5726247.0/69

- sign 19.807 $\pm$ 0.003 χ^2/NDF : 3234338.4/35

Left In: 19.855 $\pm$ 0.004 χ^2/NDF : 795218.0/16

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 26.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 17.0/18

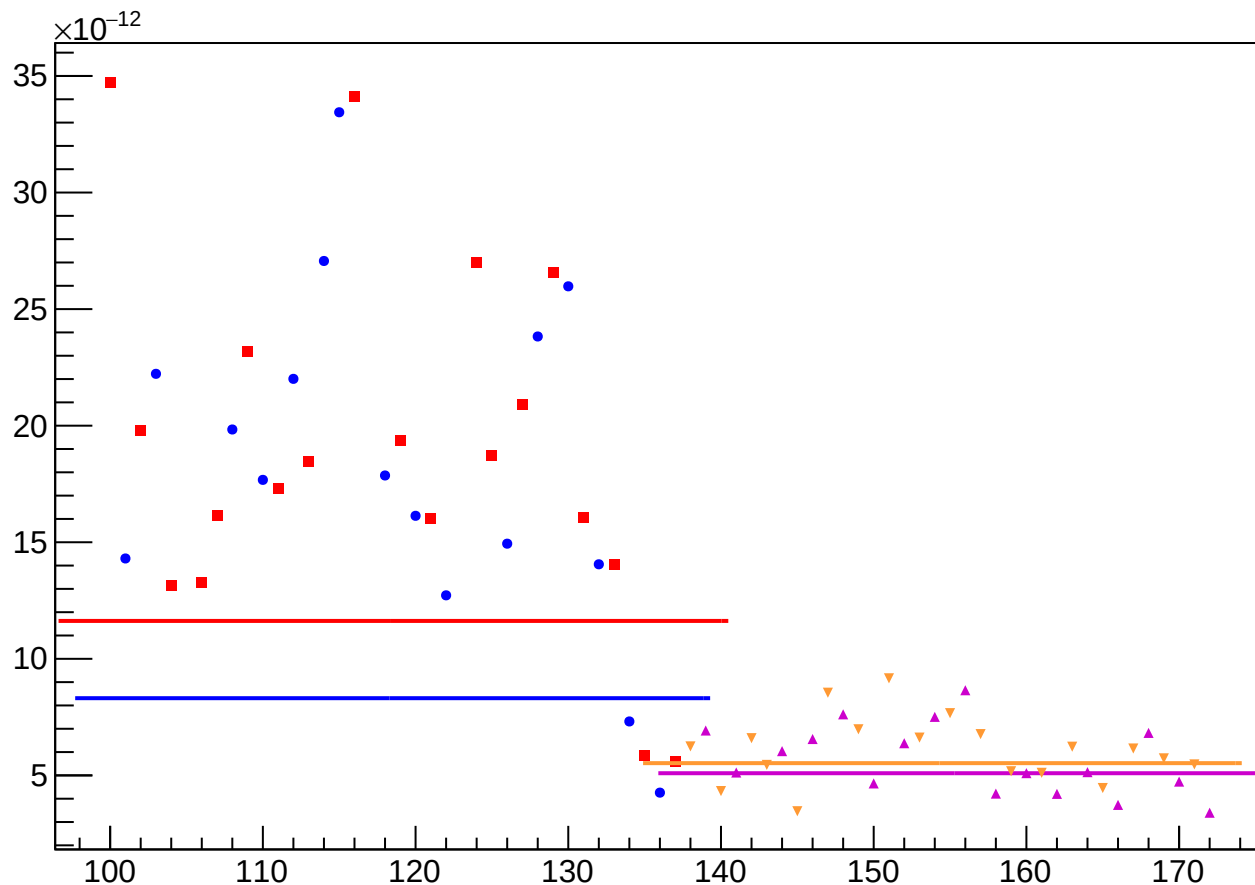
Left In: -0.000+/-0.000 χ^2/NDF : 15.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 53.5/33

All: -0.000+/-0.000 χ^2/NDF : 86.8/69

- sign -0.000+/-0.000 χ^2/NDF : 32.6/35

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1134943.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2610908.4/18

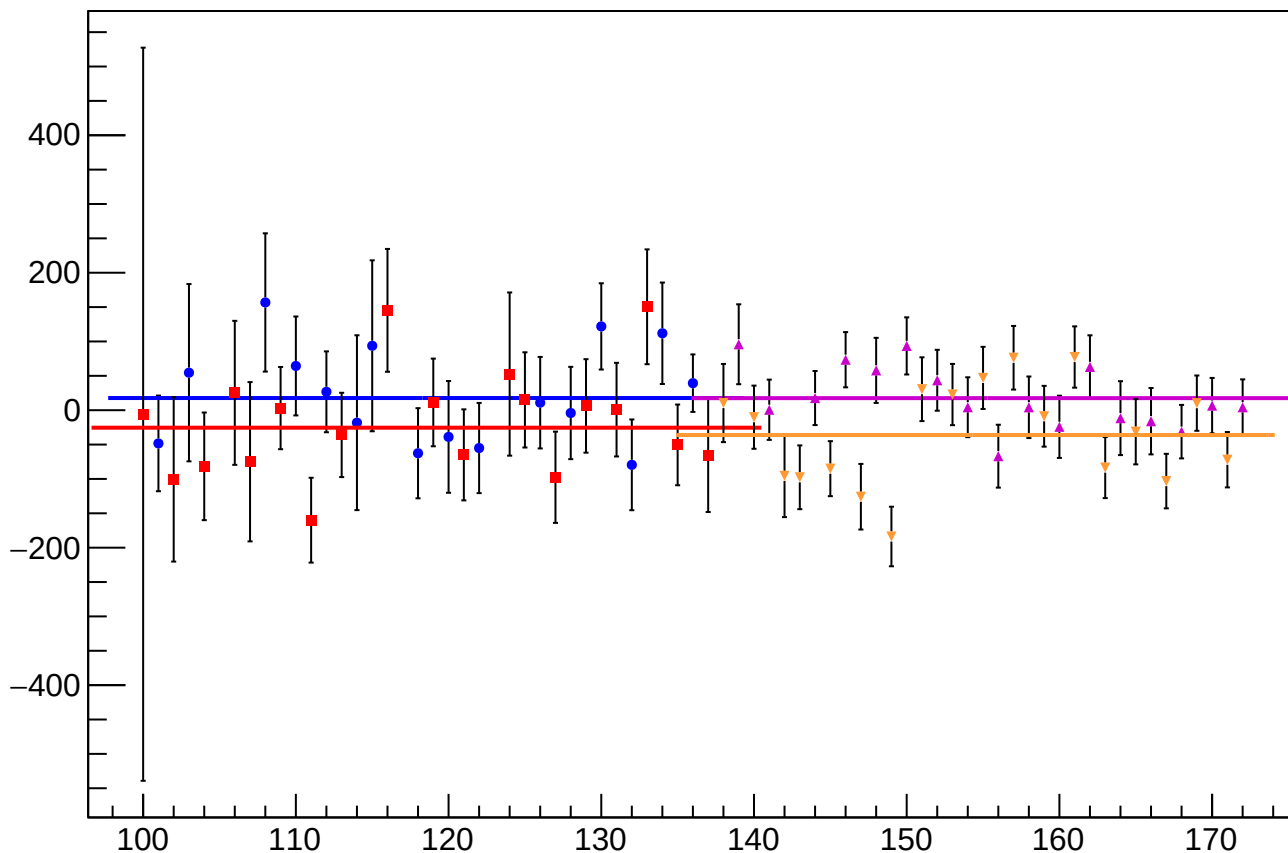
Left In: 0.000+/-0.000 χ^2/NDF : 1246179.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5534273.4/33

All: 0.000+/-0.000 χ^2/NDF : 11847515.1/69

- sign 0.000+/-0.000 χ^2/NDF : 6285090.6/35

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

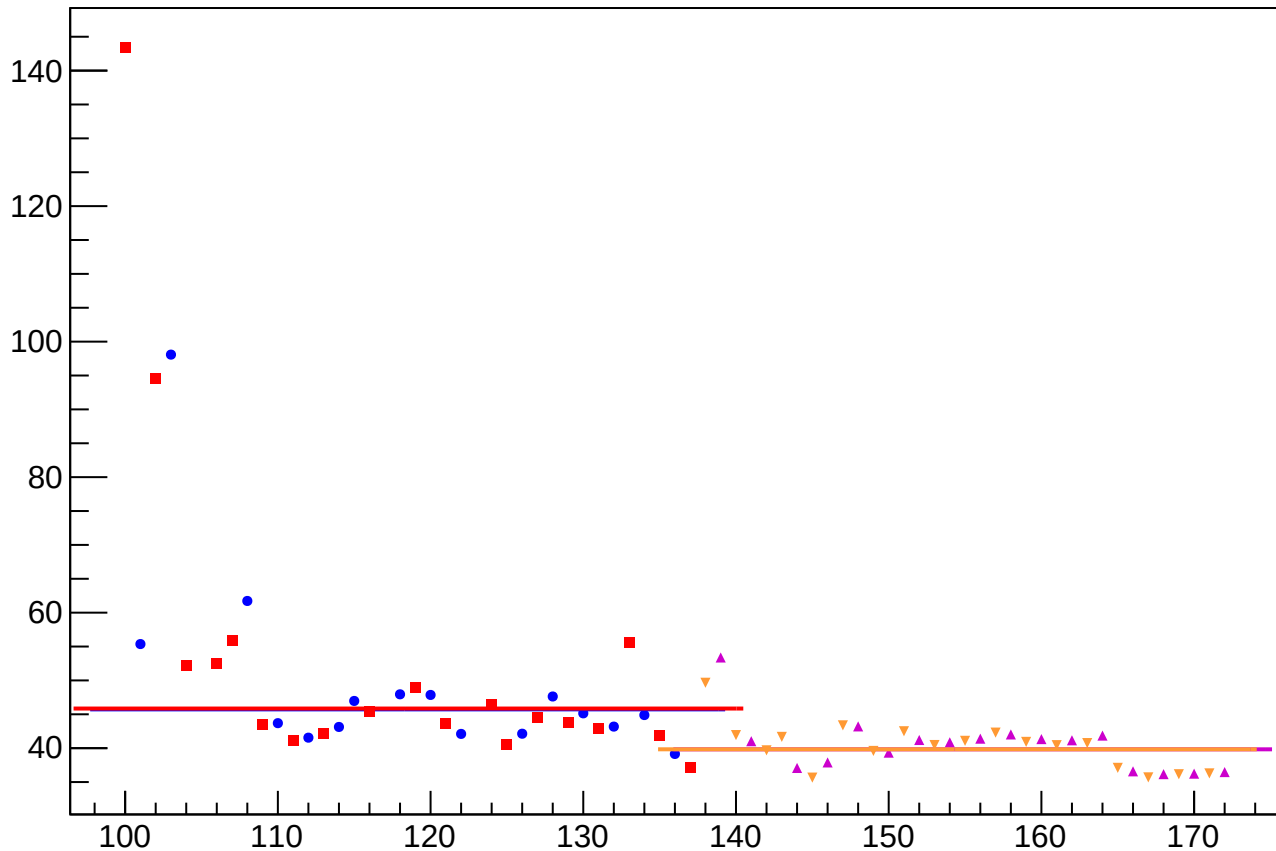
Left In: 17.553+/-10.696 χ^2/NDF : 16.3/16

+ sign -21.628+/-9.070 χ^2/NDF : 67.3/33

All: -8.015+/-6.425 χ^2/NDF : 110.4/69

- sign 5.699+/-9.103 χ^2/NDF : 38.6/35

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501460.7/15

Left Out: 39.832 $\pm$ 0.008 χ^2 /NDF: 177227.9/17

Right Out: 45.849 $\pm$ 0.012 χ^2 /NDF: 540156.7/18

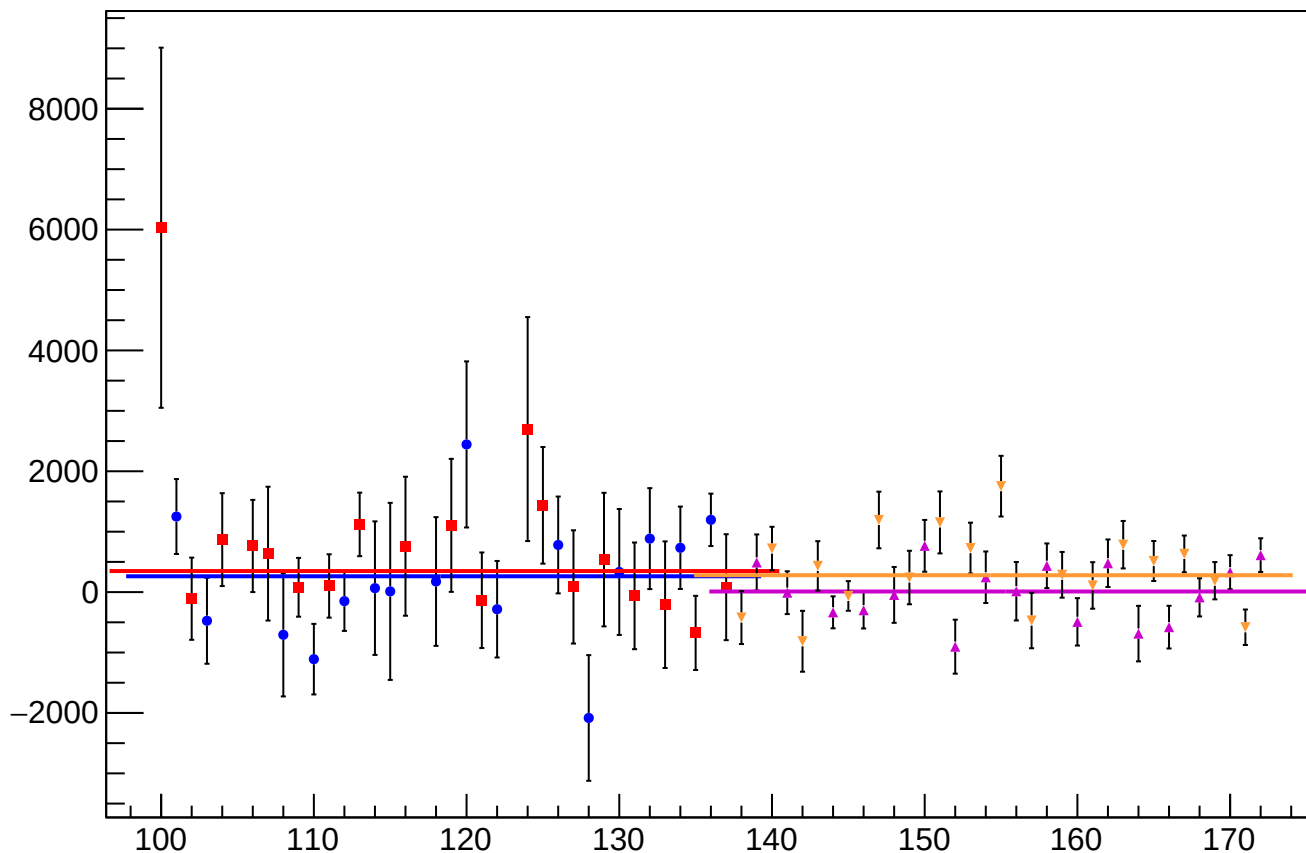
Left In: 39.830 $\pm$ 0.008 χ^2 /NDF: 208514.3/16

+ sign 41.421 $\pm$ 0.006 χ^2 /NDF: 845000.8/33

All: 41.455 $\pm$ 0.005 χ^2 /NDF: 1768330.9/69

- sign 41.490 $\pm$ 0.006 χ^2 /NDF: 923272.9/35

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 261.943 $\pm$ 185.211 χ^2 /NDF: 25.0/15

Left Out: 279.370 $\pm$ 87.869 χ^2 /NDF:42.4/17

Right Out: 348.685 $\pm$ 180.682 χ^2 /NDF: 14.9/18

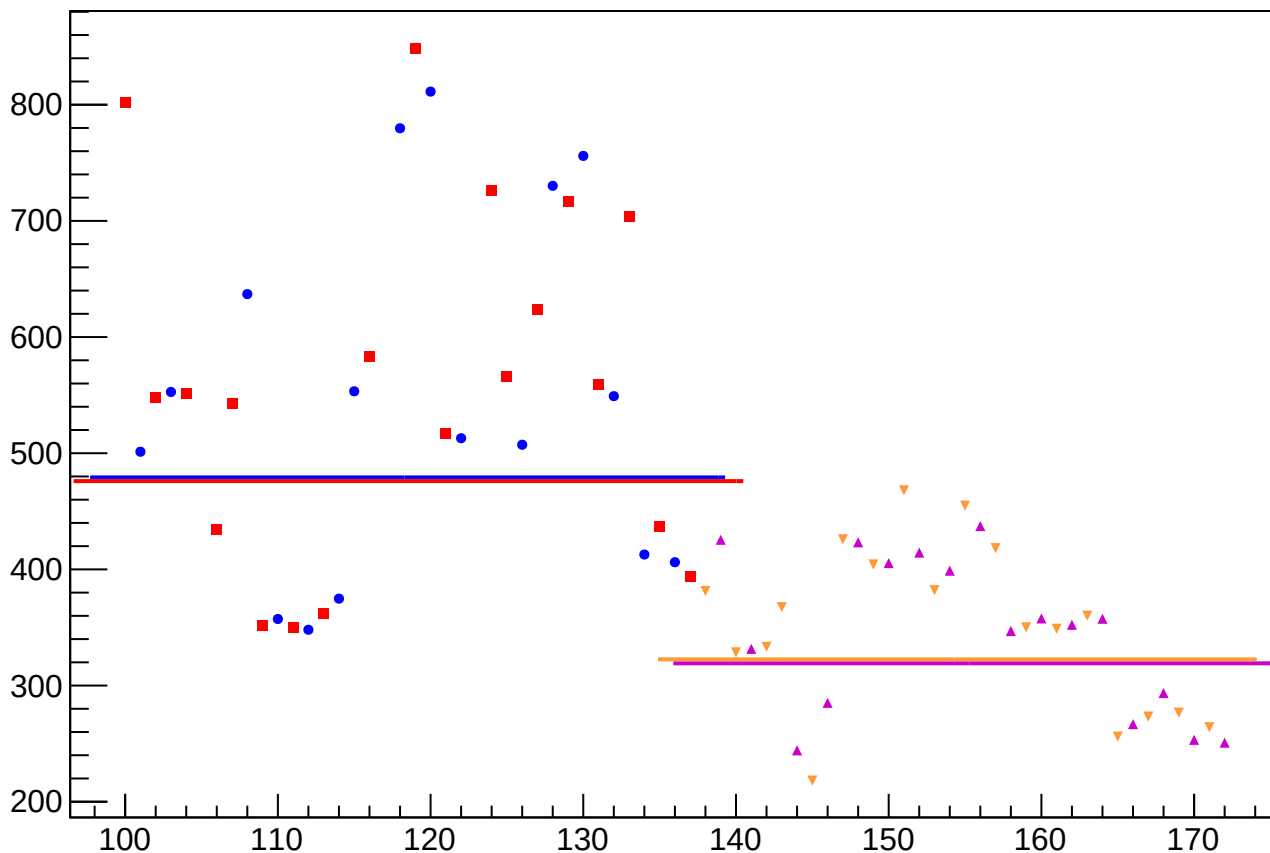
Left In: 10.146 $\pm$ 87.313 χ^2 /NDF:26.9/16

+ sign 276.168 $\pm$ 79.388 χ^2 /NDF: 67.4/33

All: 174.214 $\pm$ 55.860 χ^2 /NDF: 115.3/69

- sign 74.236 $\pm$ 78.615 χ^2 /NDF: 44.7/35

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 479.178 $\pm$ 0.131 χ^2 /NDF: 952693.7/15

Left Out: 322.563 $\pm$ 0.062 χ^2 /NDF: 1310461.1/17

Right Out: 475.992 $\pm$ 0.128 χ^2 /NDF: 1006487.7/18

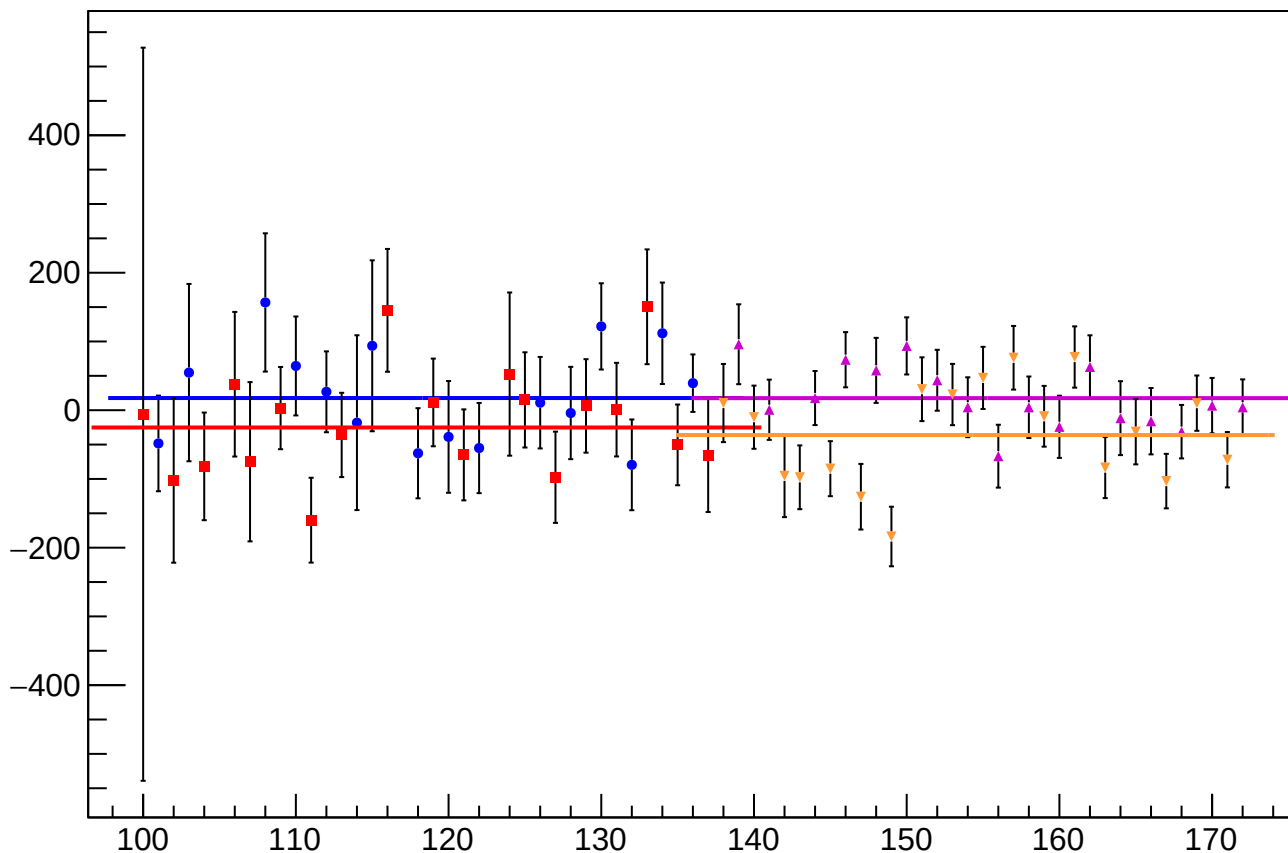
Left In: 319.147 $\pm$ 0.062 χ^2 /NDF: 1101072.5/16

+ sign 351.338 $\pm$ 0.056 χ^2 /NDF: 3430490.5/33

All: 350.076 $\pm$ 0.039 χ^2 /NDF: 6760831.3/69

- sign 348.840 $\pm$ 0.056 χ^2 /NDF: 3329341.2/35

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

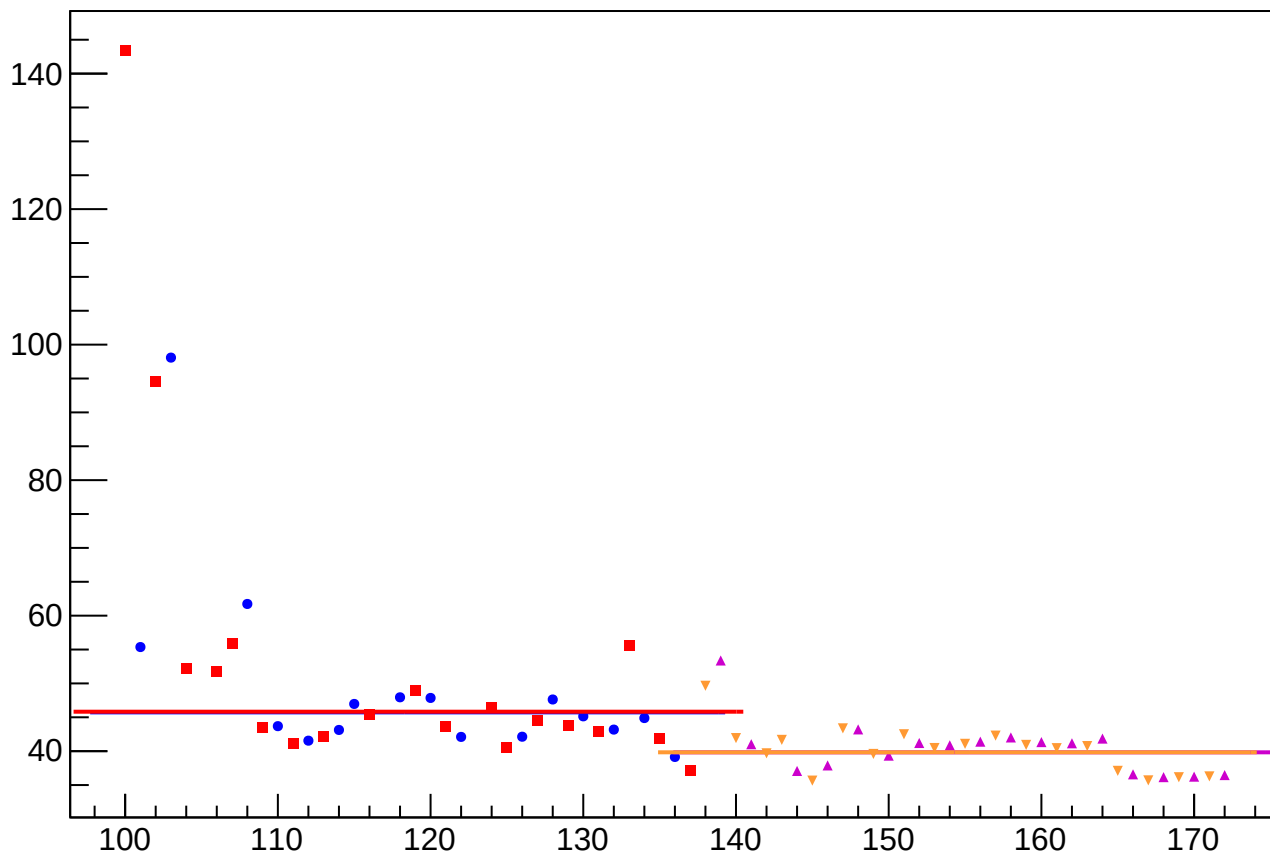
Left In: 17.553+/-10.696 χ^2/NDF : 16.3/16

+ sign -21.628+/-9.070 χ^2/NDF : 67.3/33

All: -7.974+/-6.425 χ^2/NDF : 110.5/69

- sign 5.783+/-9.103 χ^2/NDF : 38.6/35

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 ± 0.012 $\chi^2/\text{NDF}: 501463.8/15$

Left Out: 39.832 ± 0.008 $\chi^2/\text{NDF}: 177227.9/17$

Right Out: 45.825 ± 0.012 $\chi^2/\text{NDF}: 538470.5/18$

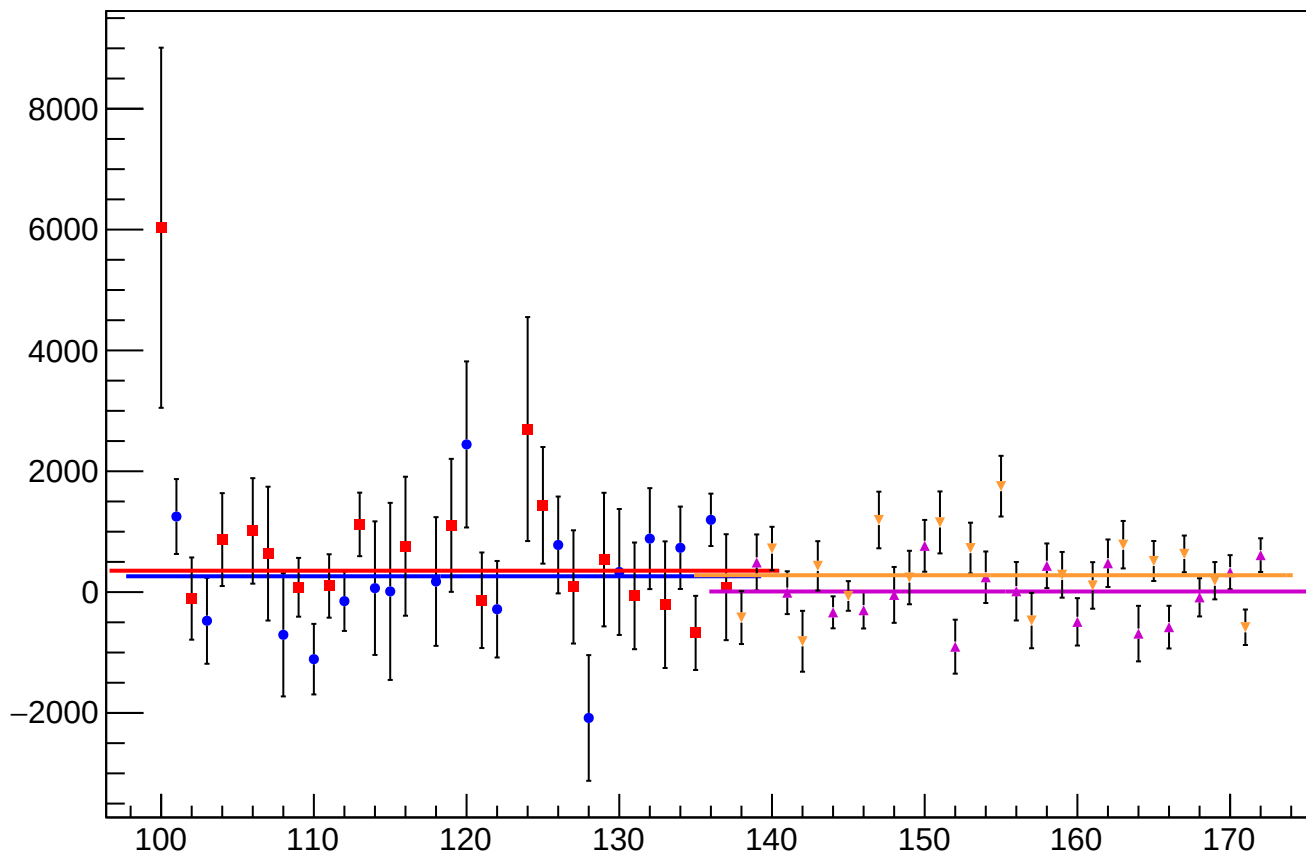
Left In: 39.830 ± 0.008 $\chi^2/\text{NDF}: 208514.3/16$

+ sign 41.421 ± 0.006 $\chi^2/\text{NDF}: 845003.8/33$

All: 41.452 ± 0.005 $\chi^2/\text{NDF}: 1765222.3/69$

- sign 41.483 ± 0.006 $\chi^2/\text{NDF}: 920172.2/35$

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 261.947 $\pm$ 185.212 χ^2/NDF : 25.0/15

Left Out: 279.367 $\pm$ 87.869 χ^2/NDF : 42.4/17

Right Out: 354.204 $\pm$ 181.903 χ^2/NDF : 15.2/18

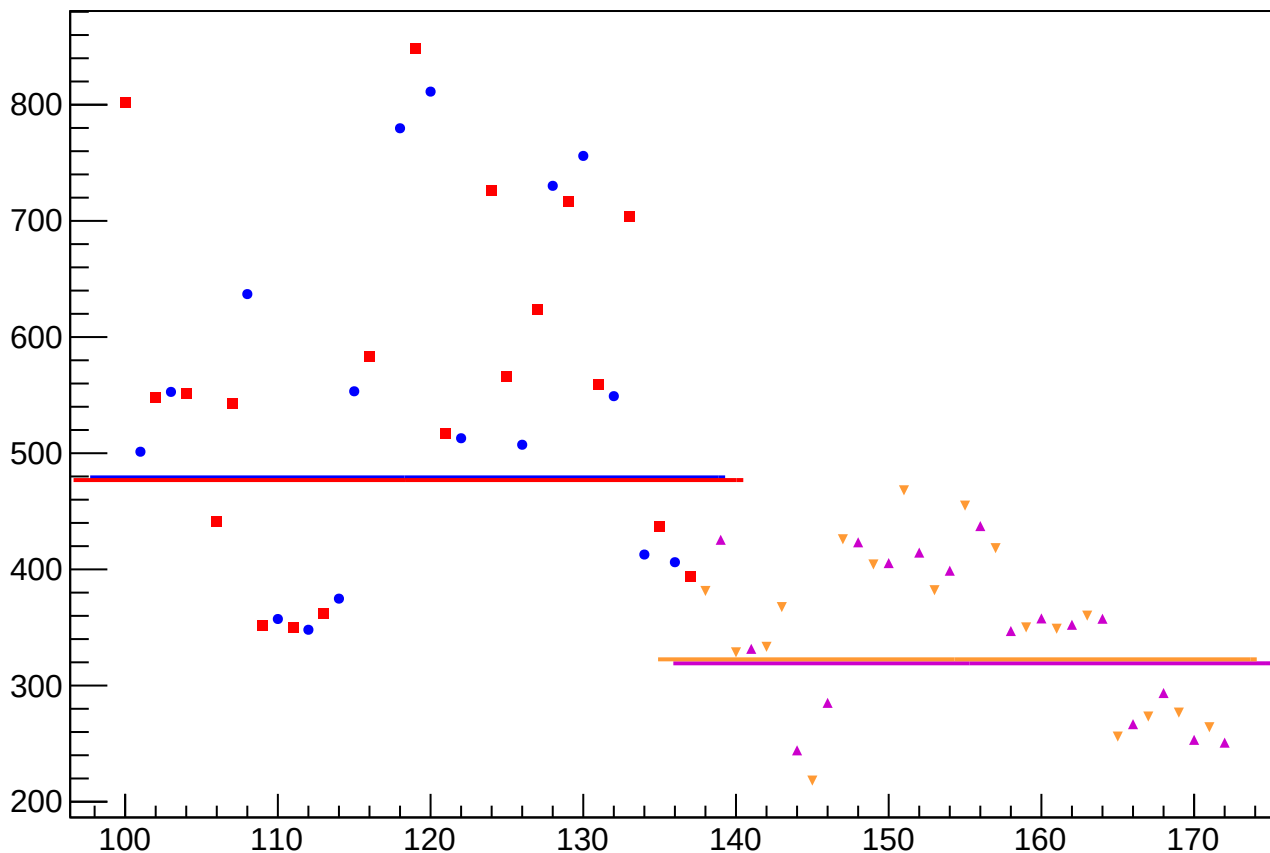
Left In: 10.144 $\pm$ 87.313 χ^2/NDF : 26.9/16

+ sign 276.167 $\pm$ 79.388 χ^2/NDF : 67.4/33

All: 174.510 $\pm$ 55.896 χ^2/NDF : 115.7/69

- sign 74.570 $\pm$ 78.715 χ^2/NDF : 45.0/35

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 479.180 $\pm$ 0.131 χ^2 /NDF: 952722.6/15

Left Out: 322.563 $\pm$ 0.062 χ^2 /NDF:1310459.0/17

Right Out: 476.893 $\pm$ 0.129 χ^2 /NDF: 1003767.4/18

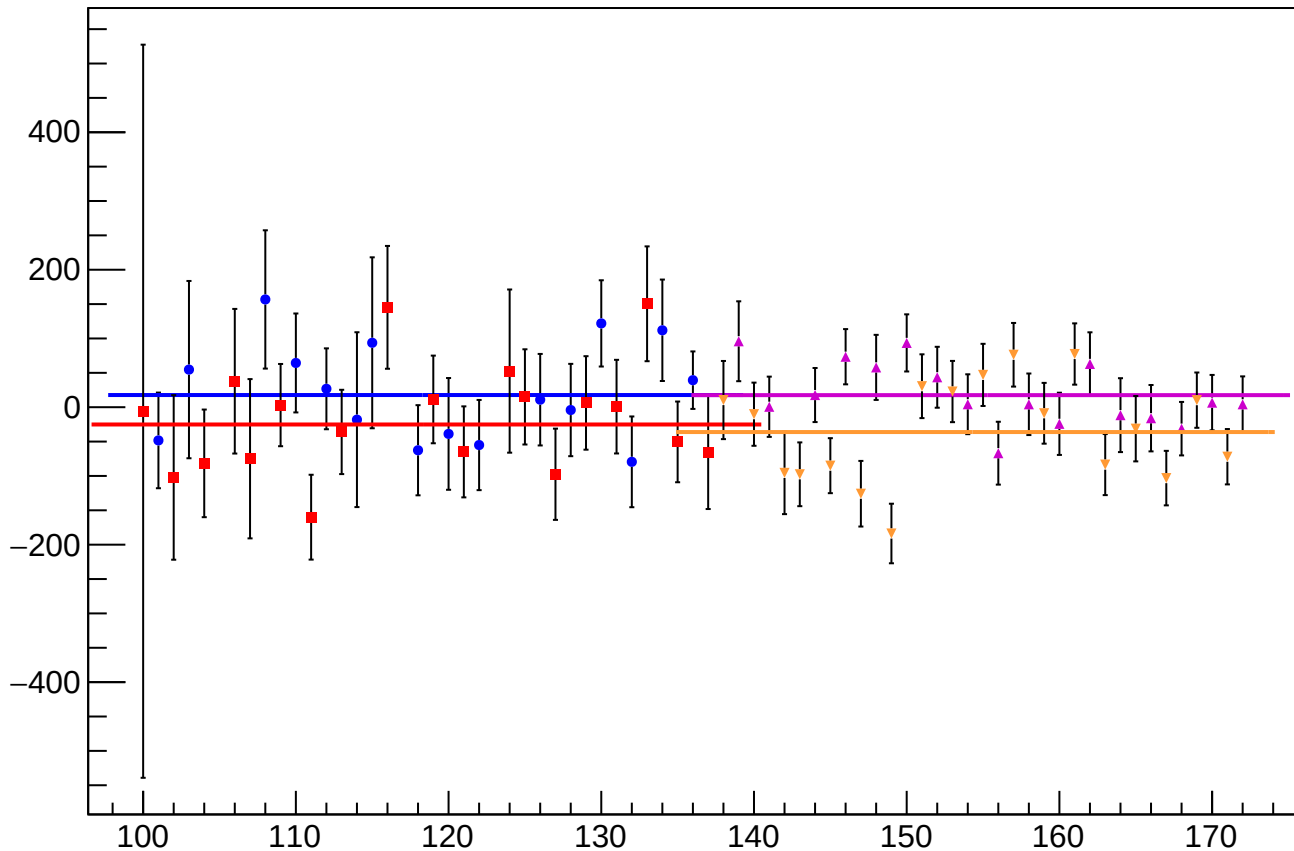
Left In: 319.147 $\pm$ 0.062 χ^2 /NDF:1101077.9/16

+ sign 351.338 $\pm$ 0.056 χ^2 /NDF: 3430538.5/33

All: 350.000 $\pm$ 0.040 χ^2 /NDF: 6758932.2/69

- sign 348.686 $\pm$ 0.056 χ^2 /NDF: 3327268.2/35

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

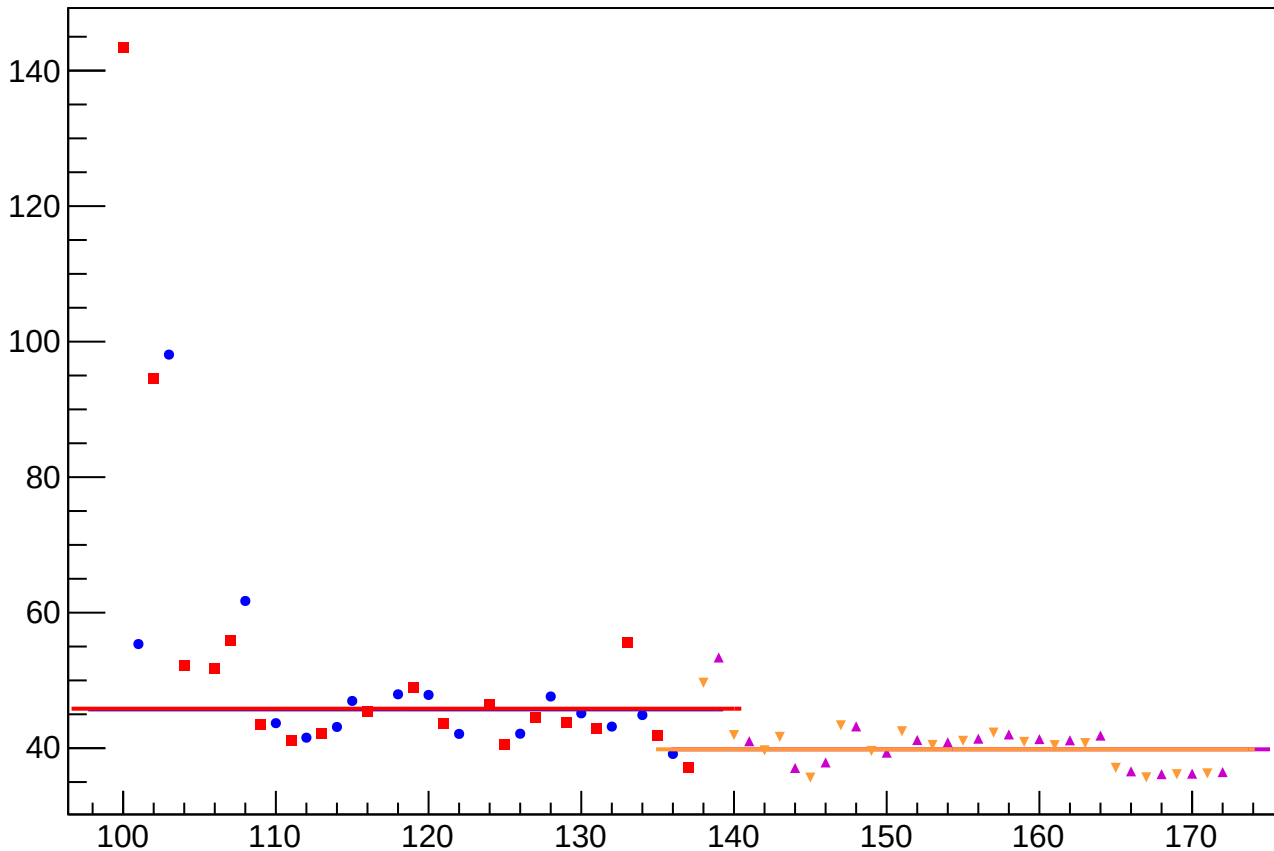
Left In: 17.553 ± 10.696 χ^2/NDF : 16.3/16

+ sign -21.628 ± 9.070 χ^2/NDF : 67.3/33

All: -7.974 ± 6.425 χ^2/NDF : 110.5/69

- sign 5.783 ± 9.103 χ^2/NDF : 38.6/35

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 45.727 $\pm$ 0.012 χ^2 /NDF: 501463.8/15

Left Out: 39.832 $\pm$ 0.008 χ^2 /NDF:177227.9/17

Right Out: 45.825 $\pm$ 0.012 χ^2 /NDF: 538470.5/18

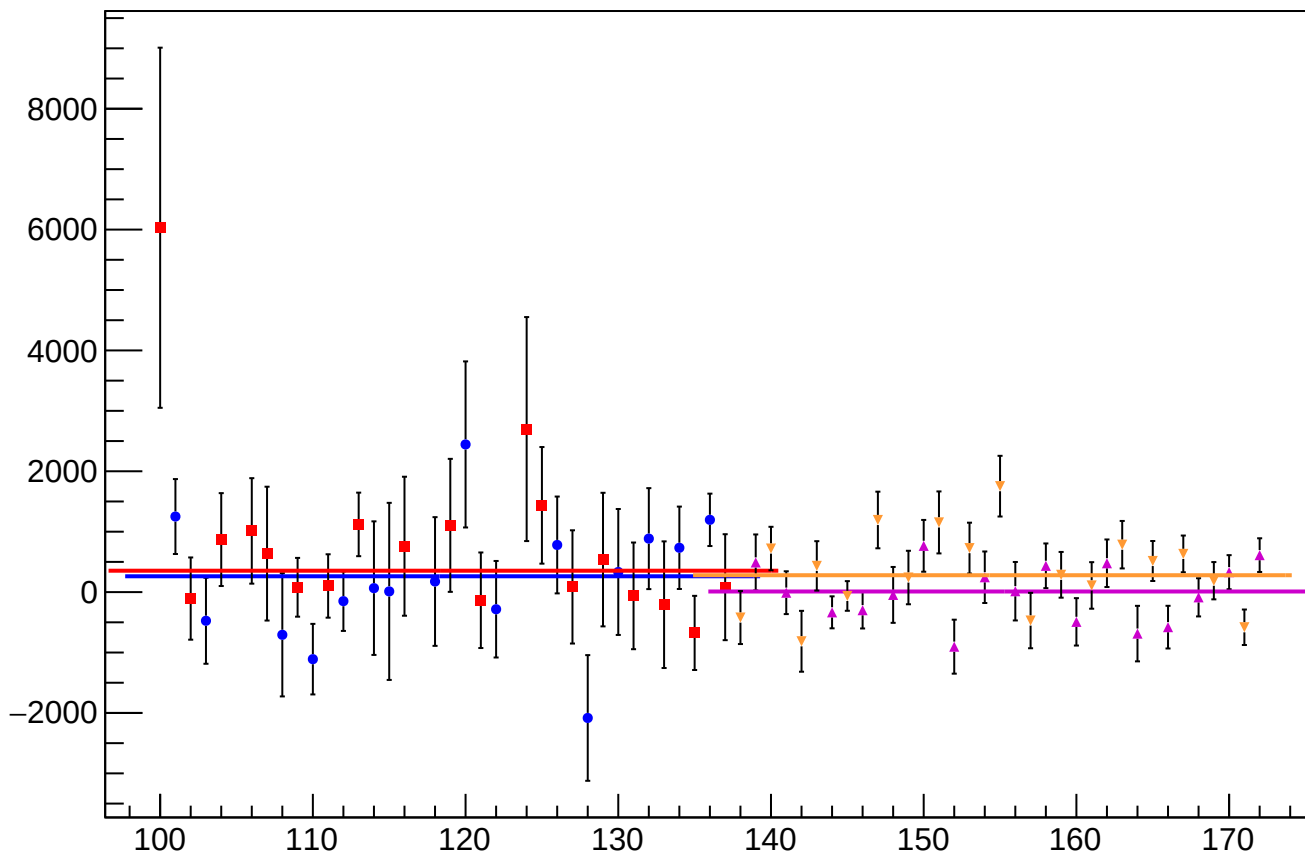
Left In: 39.830 $\pm$ 0.008 χ^2 /NDF:208514.3/16

+ sign 41.421 $\pm$ 0.006 χ^2 /NDF: 845003.8/33

All: 41.452 $\pm$ 0.005 χ^2 /NDF: 1765222.3/69

- sign 41.483 $\pm$ 0.006 χ^2 /NDF: 920172.2/35

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 261.947 $\pm$ 185.212 χ^2 /NDF: 25.0/15

Left Out: 279.367 $\pm$ 87.869 χ^2 /NDF:42.4/17

Right Out: 354.204 $\pm$ 181.903 χ^2 /NDF: 15.2/18

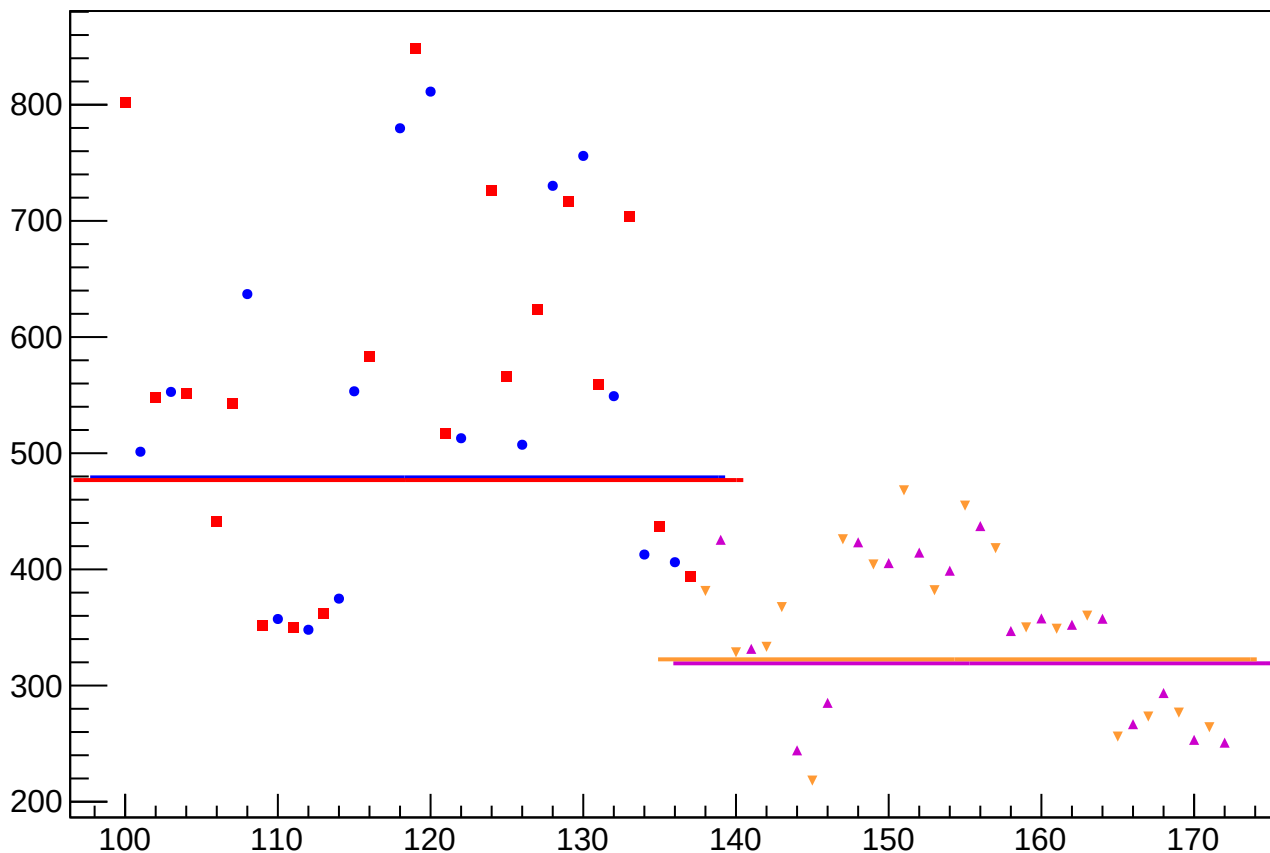
Left In: 10.144 $\pm$ 87.313 χ^2 /NDF:26.9/16

+ sign 276.167 $\pm$ 79.388 χ^2 /NDF: 67.4/33

All: 174.510 $\pm$ 55.896 χ^2 /NDF: 115.7/69

- sign 74.570 $\pm$ 78.715 χ^2 /NDF: 45.0/35

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 479.180 $\pm$ 0.131 χ^2 /NDF: 952722.6/15

Left Out: 322.563 $\pm$ 0.062 χ^2 /NDF:1310459.0/17

+ sign 351.338 $\pm$ 0.056 χ^2 /NDF: 3430538.5/33

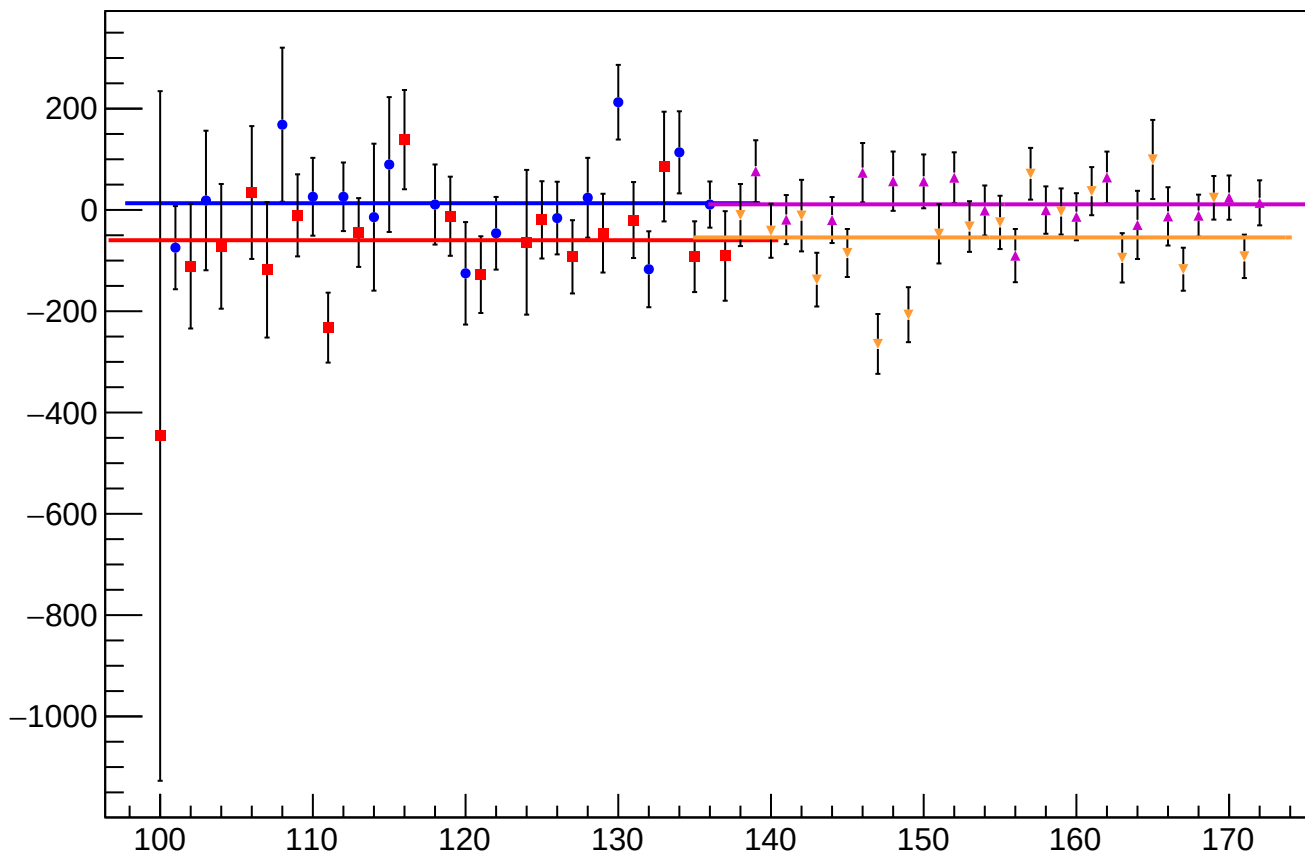
Right Out: 476.893 $\pm$ 0.129 χ^2 /NDF: 1003767.4/18

All: 350.000 $\pm$ 0.040 χ^2 /NDF: 6758932.2/69

Left In: 319.147 $\pm$ 0.062 χ^2 /NDF:1101077.9/16

- sign 348.686 $\pm$ 0.056 χ^2 /NDF: 3327268.2/35

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.266 $\pm$ 19.849 χ^2/NDF : 17.2/15

Left Out: -54.331 $\pm$ 12.102 χ^2/NDF : 46.8/17

Right Out: -59.810 $\pm$ 20.234 χ^2/NDF : 16.1/18

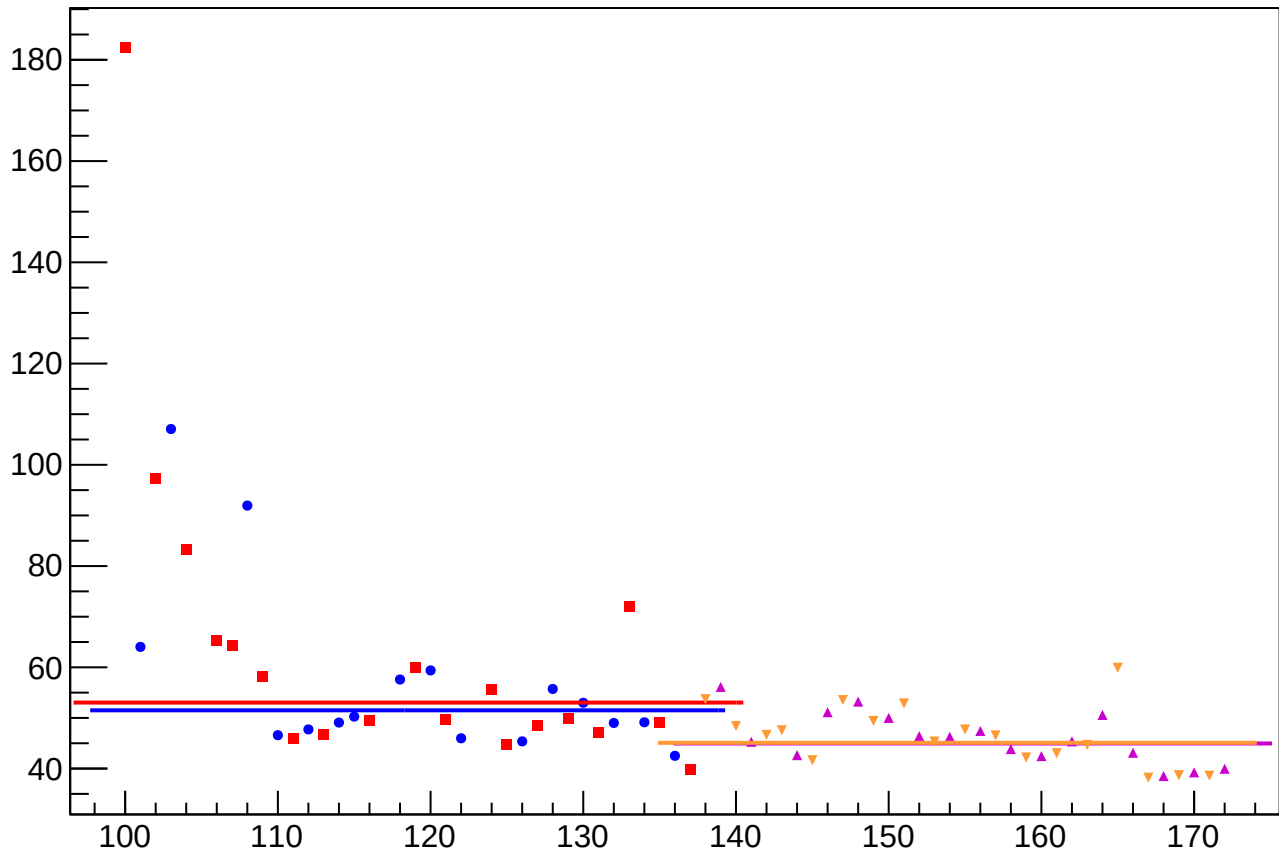
Left In: 11.061 $\pm$ 12.192 χ^2/NDF : 11.7/16

+ sign -36.013 $\pm$ 10.333 χ^2/NDF : 72.5/33

All: -22.065 $\pm$ 7.345 χ^2/NDF : 112.9/69

- sign -7.817 $\pm$ 10.443 χ^2/NDF : 36.8/35

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

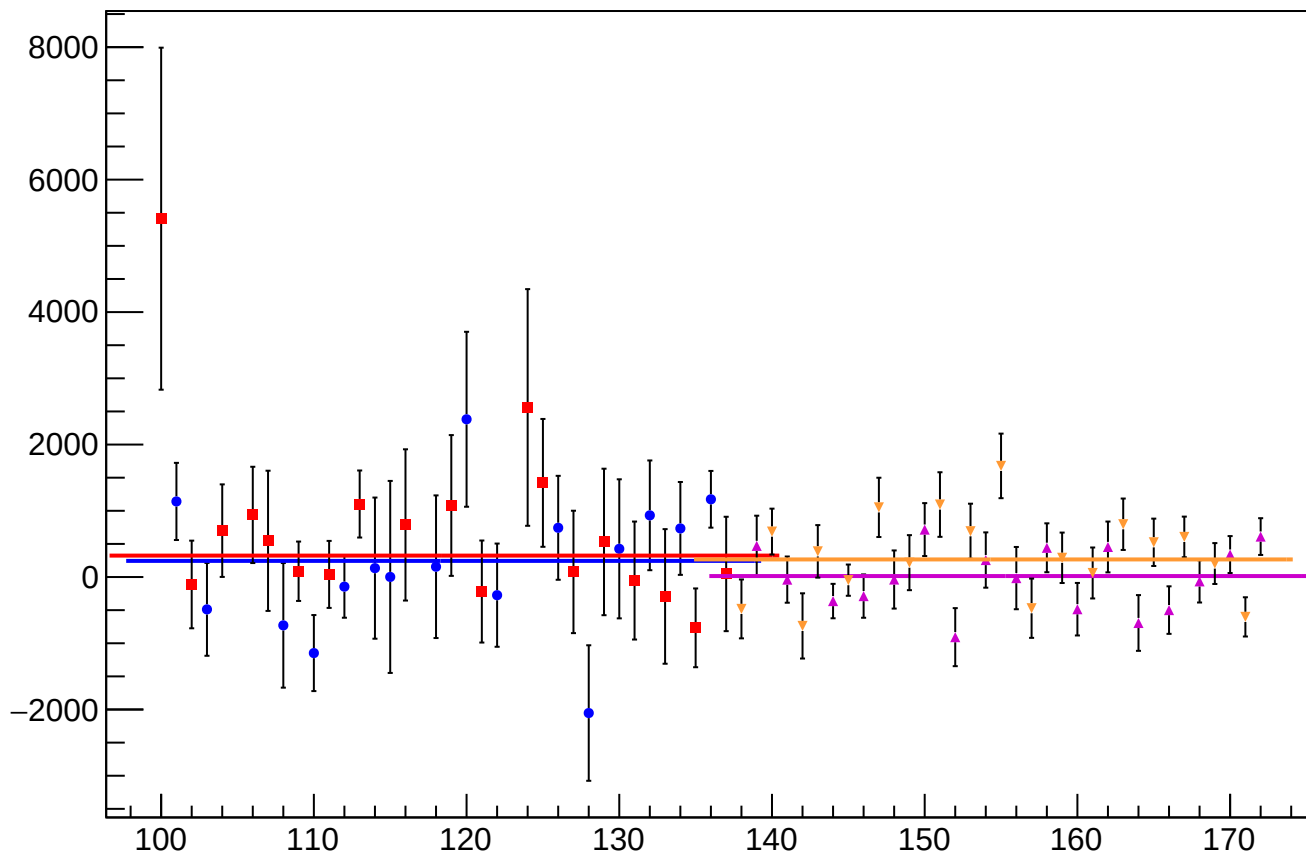
Left In: 44.953 ± 0.009 χ^2/NDF : 290418.5/16

+ sign 46.827 ± 0.007 χ^2/NDF : 1204316.9/33

All: 46.965 ± 0.005 χ^2/NDF : 2442581.3/69

- sign 47.107 ± 0.007 χ^2/NDF : 1237540.6/35

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

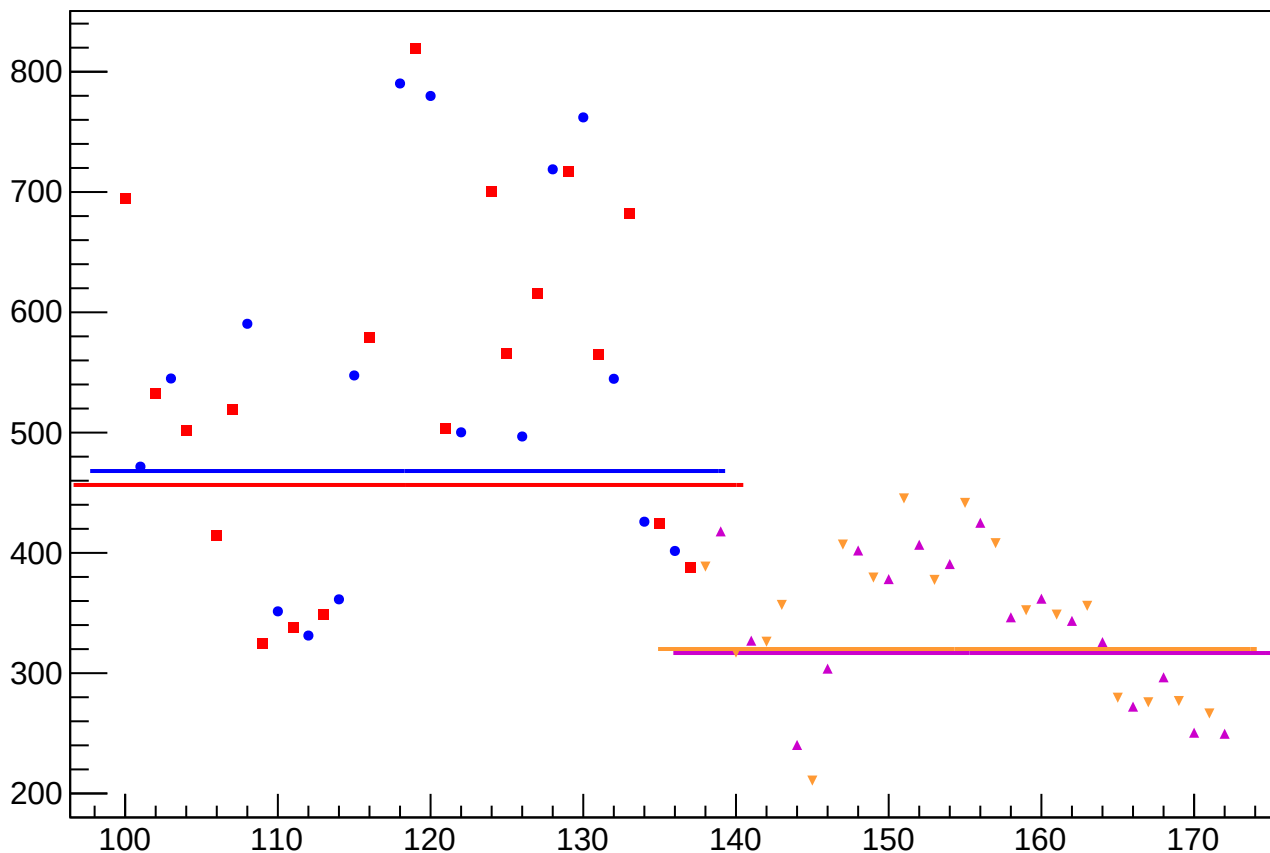
Left In: 14.715 ± 86.490 χ^2/NDF : 27.0/16

+ sign 261.595 ± 78.313 χ^2/NDF : 66.6/33

All: 167.794 ± 55.056 χ^2/NDF : 115.4/69

- sign 76.127 ± 77.417 χ^2/NDF : 46.0/35

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 468.066 $\pm$ 0.128 χ^2 /NDF: 982915.0/15

Left Out: 320.101 $\pm$ 0.061 χ^2 /NDF: 1197604.4/17

Right Out: 456.468 $\pm$ 0.123 χ^2 /NDF: 1082568.2/18

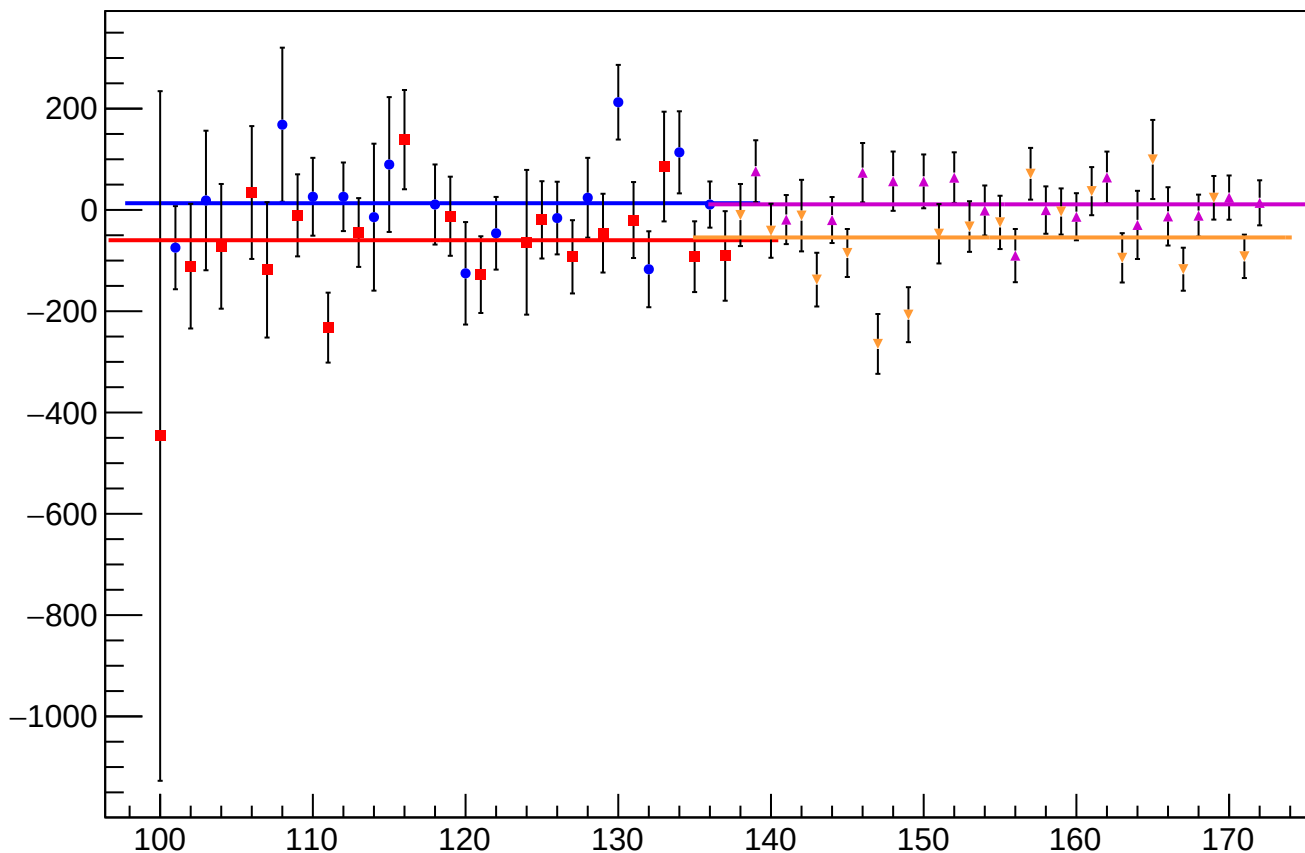
Left In: 316.763 $\pm$ 0.061 χ^2 /NDF: 970742.7/16

+ sign 347.839 $\pm$ 0.055 χ^2 /NDF: 3268060.2/33

All: 346.169 $\pm$ 0.039 χ^2 /NDF: 6360544.5/69

- sign 344.537 $\pm$ 0.055 χ^2 /NDF: 3090685.1/35

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

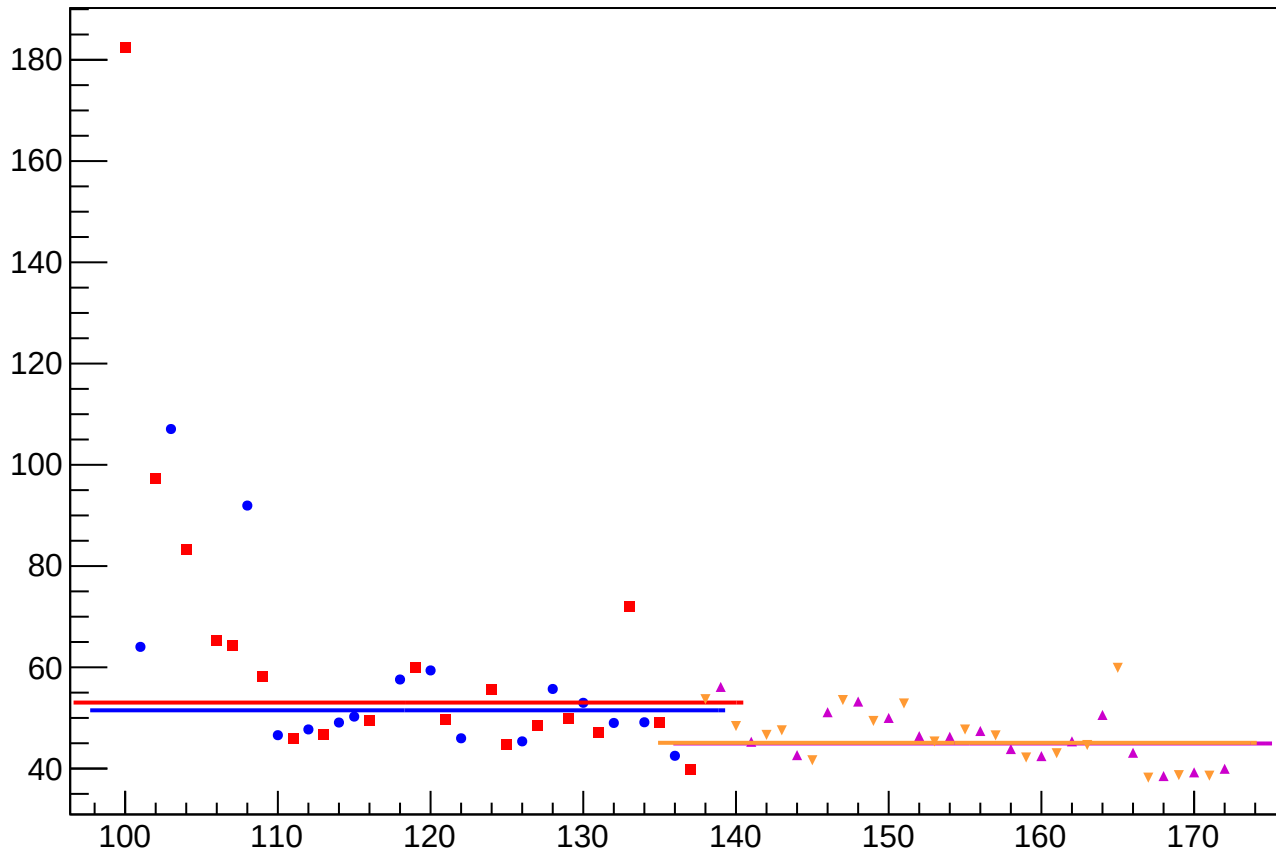
Left In: 11.061 ± 12.192 χ^2/NDF : 11.7/16

+ sign -36.013 ± 10.333 χ^2/NDF : 72.5/33

All: -22.065 ± 7.345 χ^2/NDF : 112.9/69

- sign -7.817 ± 10.443 χ^2/NDF : 36.8/35

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.506 $\pm$ 0.014 χ^2 /NDF: 667064.6/15

Left Out: 45.088 $\pm$ 0.009 χ^2 /NDF: 384858.0/17

Right Out: 53.037 $\pm$ 0.014 χ^2 /NDF: 712918.4/18

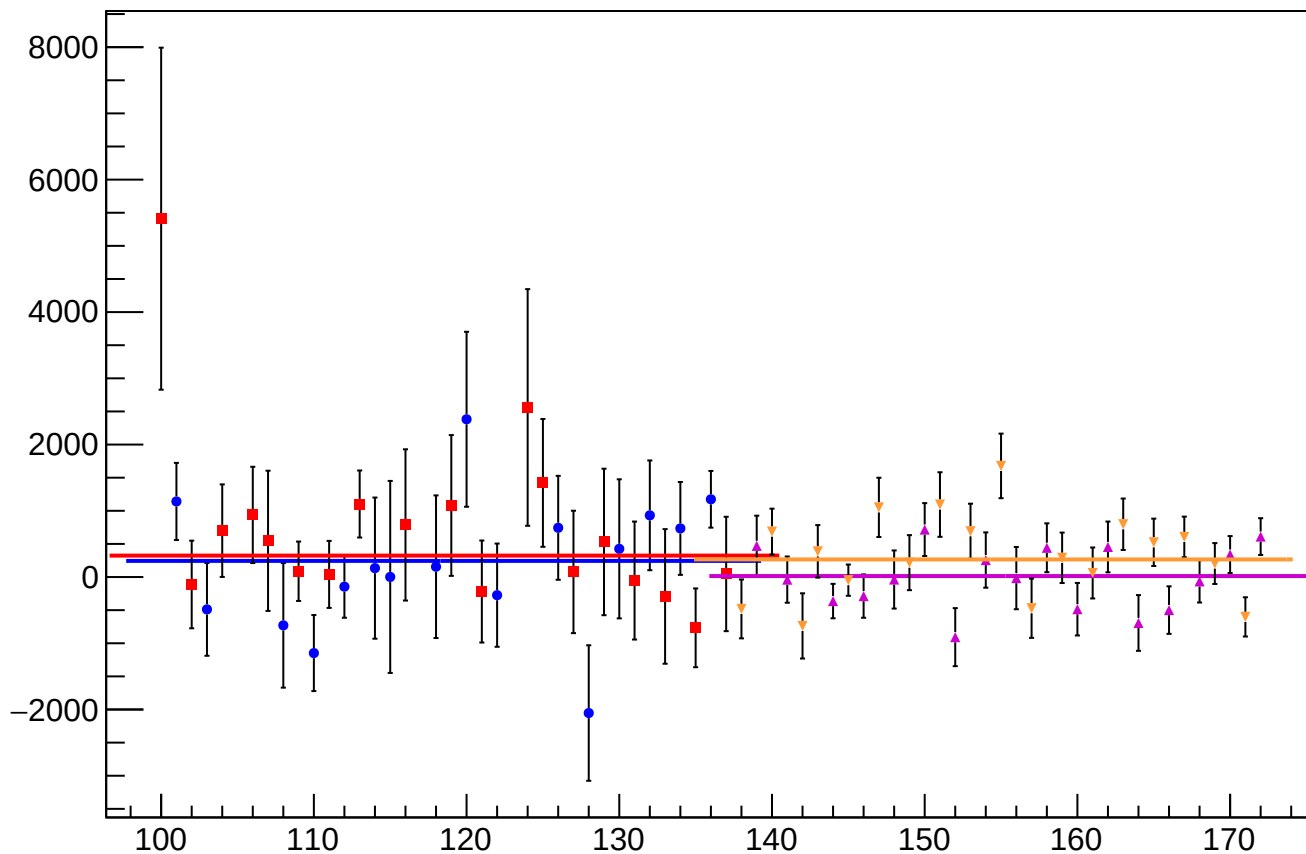
Left In: 44.953 $\pm$ 0.009 χ^2 /NDF: 290419.0/16

+ sign 46.827 $\pm$ 0.007 χ^2 /NDF: 1204326.5/33

All: 46.965 $\pm$ 0.005 χ^2 /NDF: 2442601.8/69

- sign 47.107 $\pm$ 0.007 χ^2 /NDF: 1237551.5/35

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 243.826 $\pm$ 180.872 χ^2 /NDF: 25.6/15

Left Out: 265.695 $\pm$ 86.879 χ^2 /NDF:41.0/17

Right Out: 323.628 $\pm$ 173.631 χ^2 /NDF: 16.5/18

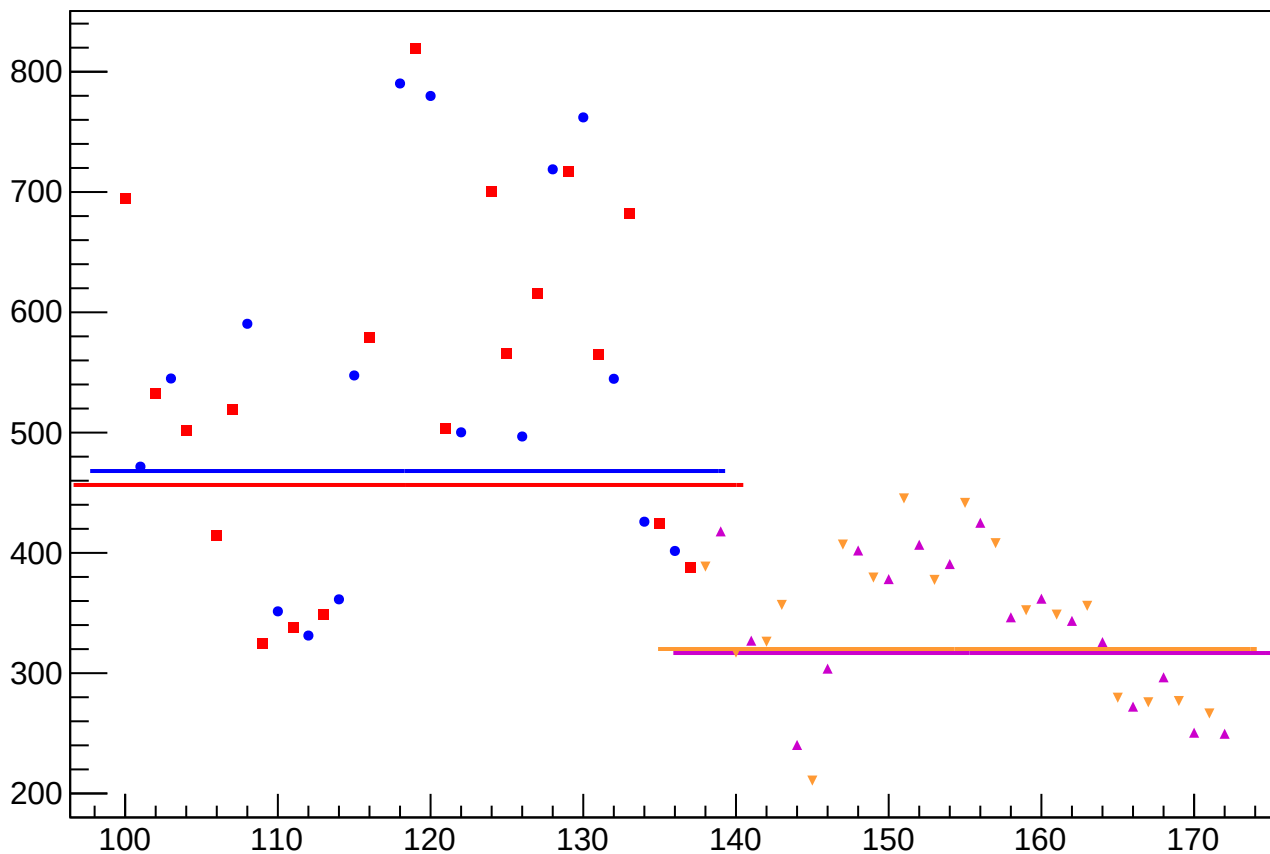
Left In: 14.714 $\pm$ 86.490 χ^2 /NDF:27.0/16

+ sign 261.595 $\pm$ 78.313 χ^2 /NDF: 66.6/33

All: 167.794 $\pm$ 55.056 χ^2 /NDF: 115.4/69

- sign 76.126 $\pm$ 77.417 χ^2 /NDF: 46.0/35

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 468.065 $\pm$ 0.128 χ^2 /NDF: 982915.8/15

Left Out: 320.101 $\pm$ 0.061 χ^2 /NDF: 1197604.2/17

Right Out: 456.467 $\pm$ 0.123 χ^2 /NDF: 1082565.2/18

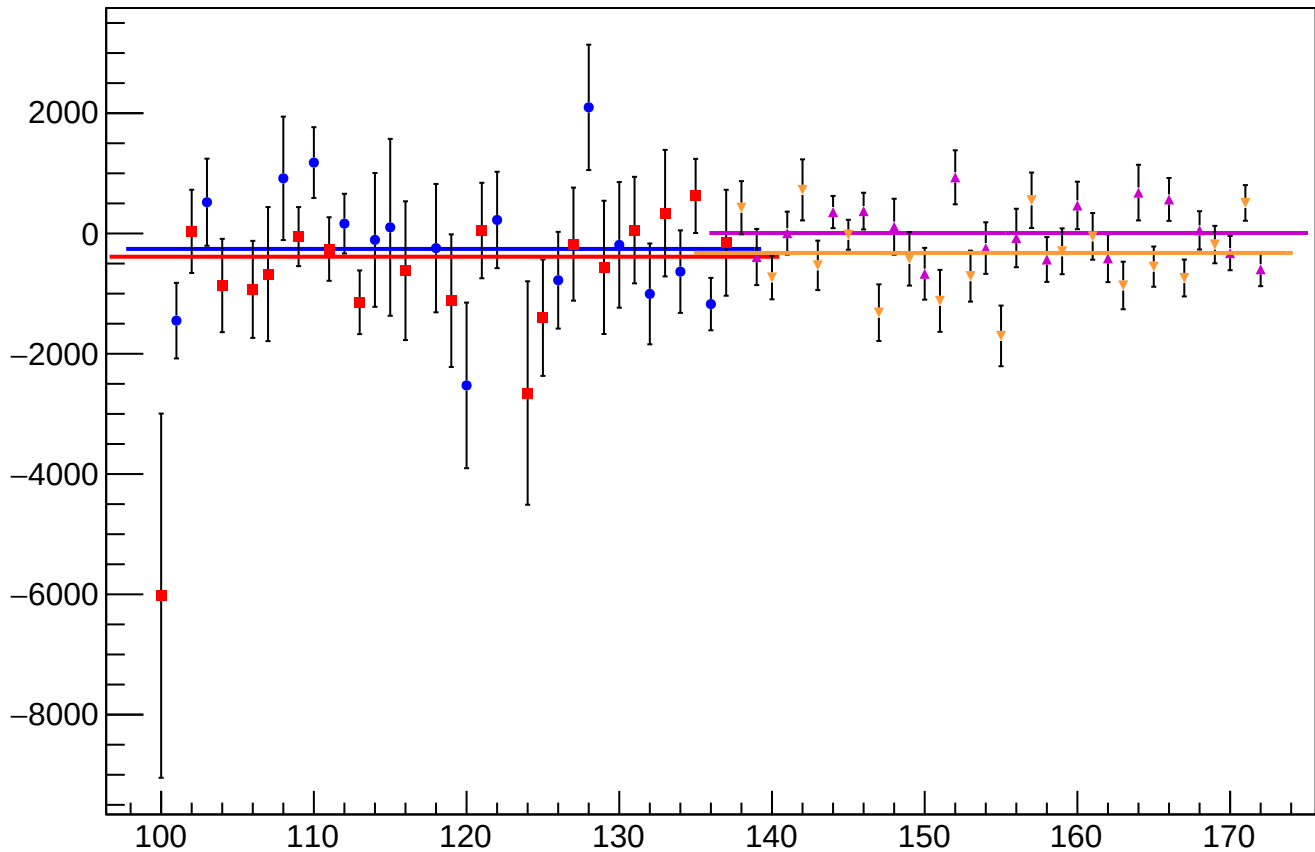
Left In: 316.763 $\pm$ 0.061 χ^2 /NDF: 970739.4/16

+ sign 347.839 $\pm$ 0.055 χ^2 /NDF: 3268049.3/33

All: 346.169 $\pm$ 0.039 χ^2 /NDF: 6360514.0/69

- sign 344.537 $\pm$ 0.055 χ^2 /NDF: 3090665.7/35

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

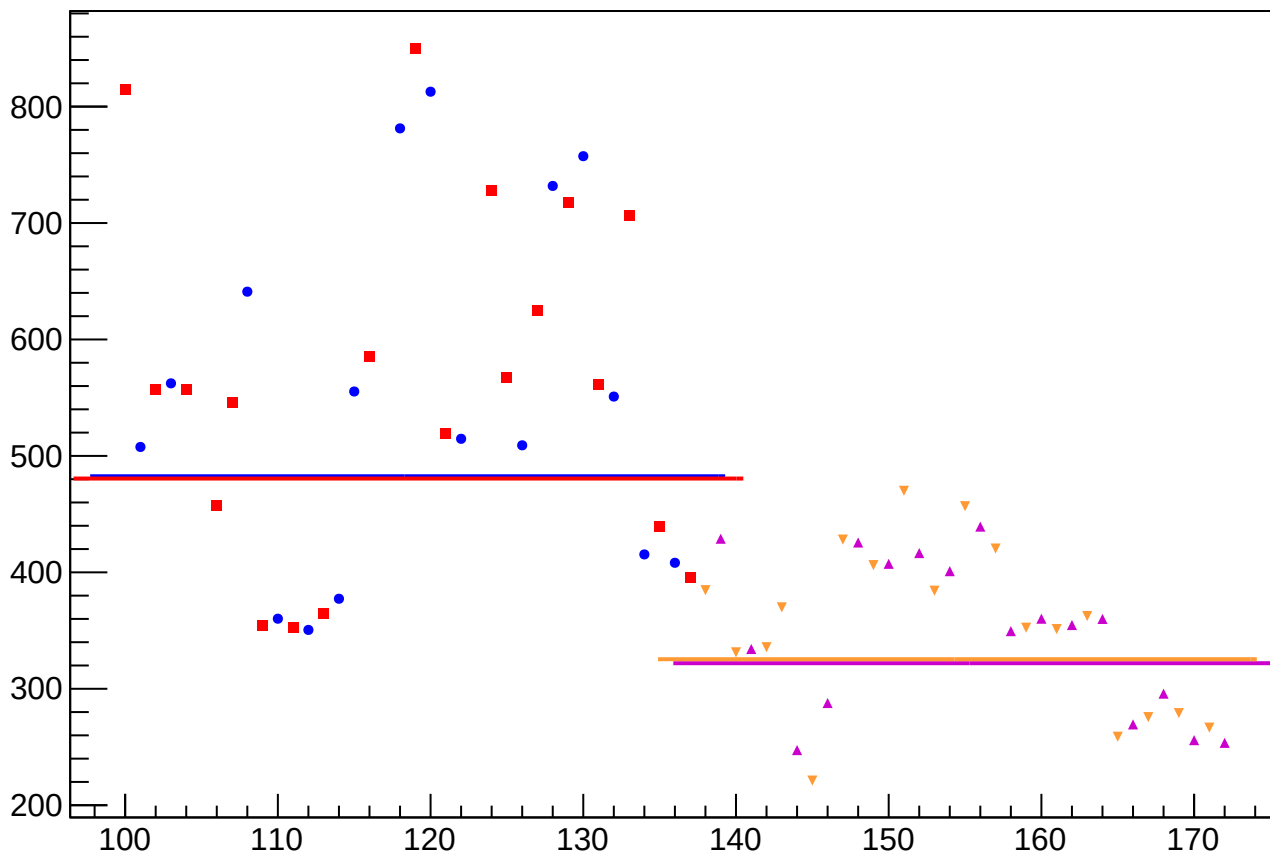
Left In: 7.767 ± 88.038 χ^2/NDF : 25.4/16

+ sign -310.957 ± 80.015 χ^2/NDF : 68.8/33

All: -187.728 ± 56.319 χ^2/NDF : 116.9/69

- sign -66.744 ± 79.283 χ^2/NDF : 43.4/35

asym_sam_15_37_dd_rms vs Slug



Right In: 482.512 $\pm$ 0.132 χ^2 /NDF: 946526.1/15

Left Out: 325.385 $\pm$ 0.063 χ^2 /NDF:1281609.2/17

Right Out: 480.559 $\pm$ 0.129 χ^2 /NDF: 993796.3/18

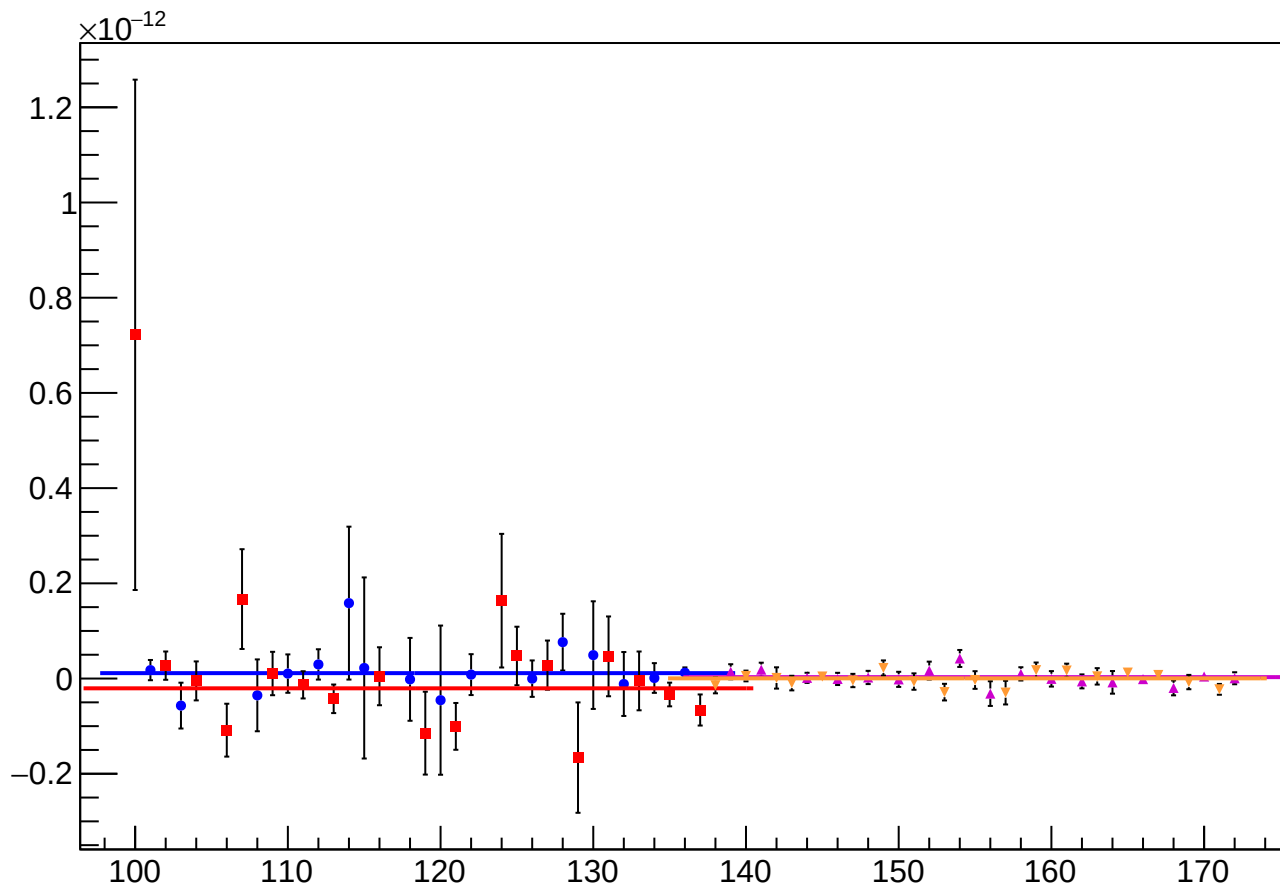
Left In: 321.963 $\pm$ 0.062 χ^2 /NDF:1077892.2/16

+ sign 354.320 $\pm$ 0.057 χ^2 /NDF: 3386813.5/33

All: 353.119 $\pm$ 0.040 χ^2 /NDF: 6686149.3/69

- sign 351.939 $\pm$ 0.056 χ^2 /NDF: 3298442.4/35

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



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

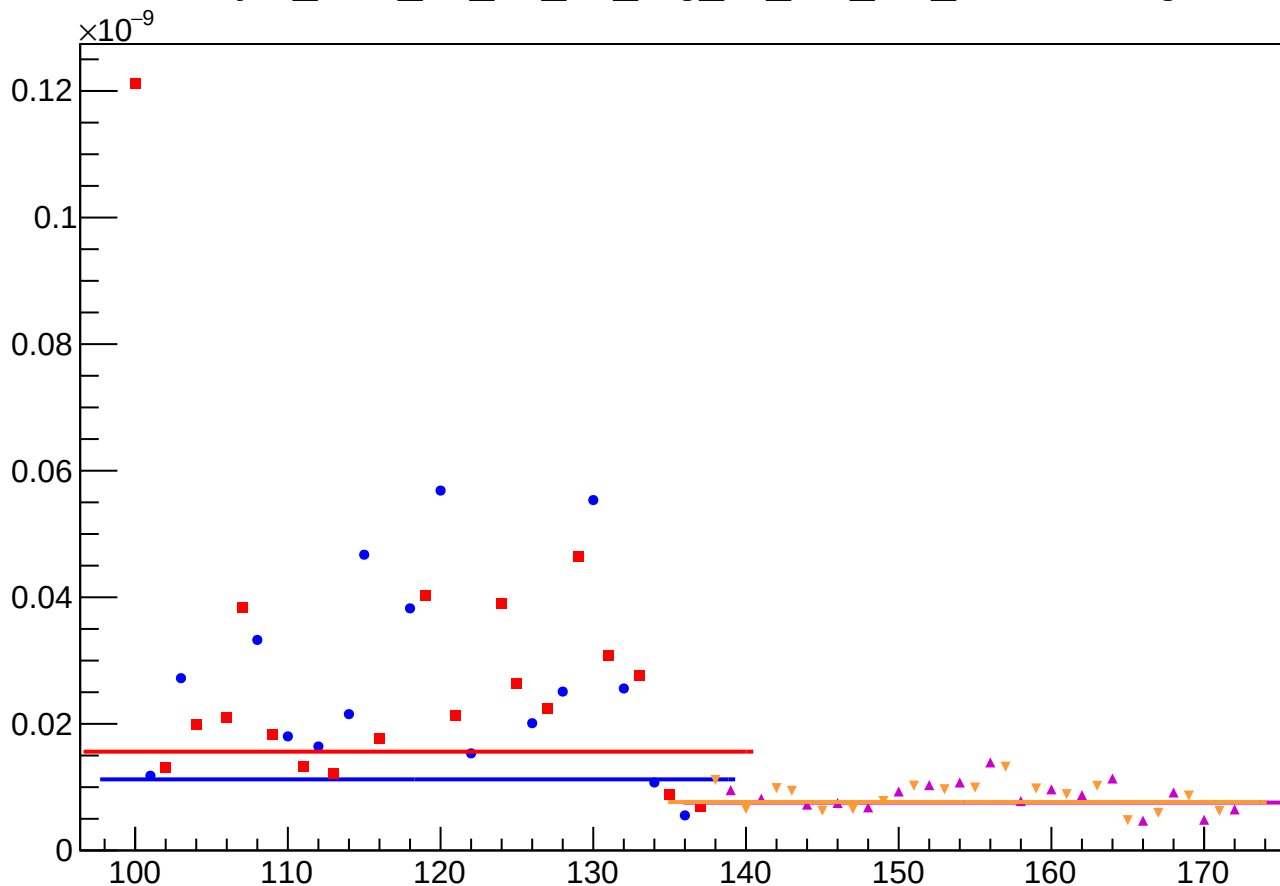
Left In: 0.000+/-0.000 χ^2/NDF : 12.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 23.6/33

All: 0.000+/-0.000 χ^2/NDF : 64.4/69

- sign 0.000+/-0.000 χ^2/NDF : 40.7/35

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2103068.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 747484.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1184320.2/18

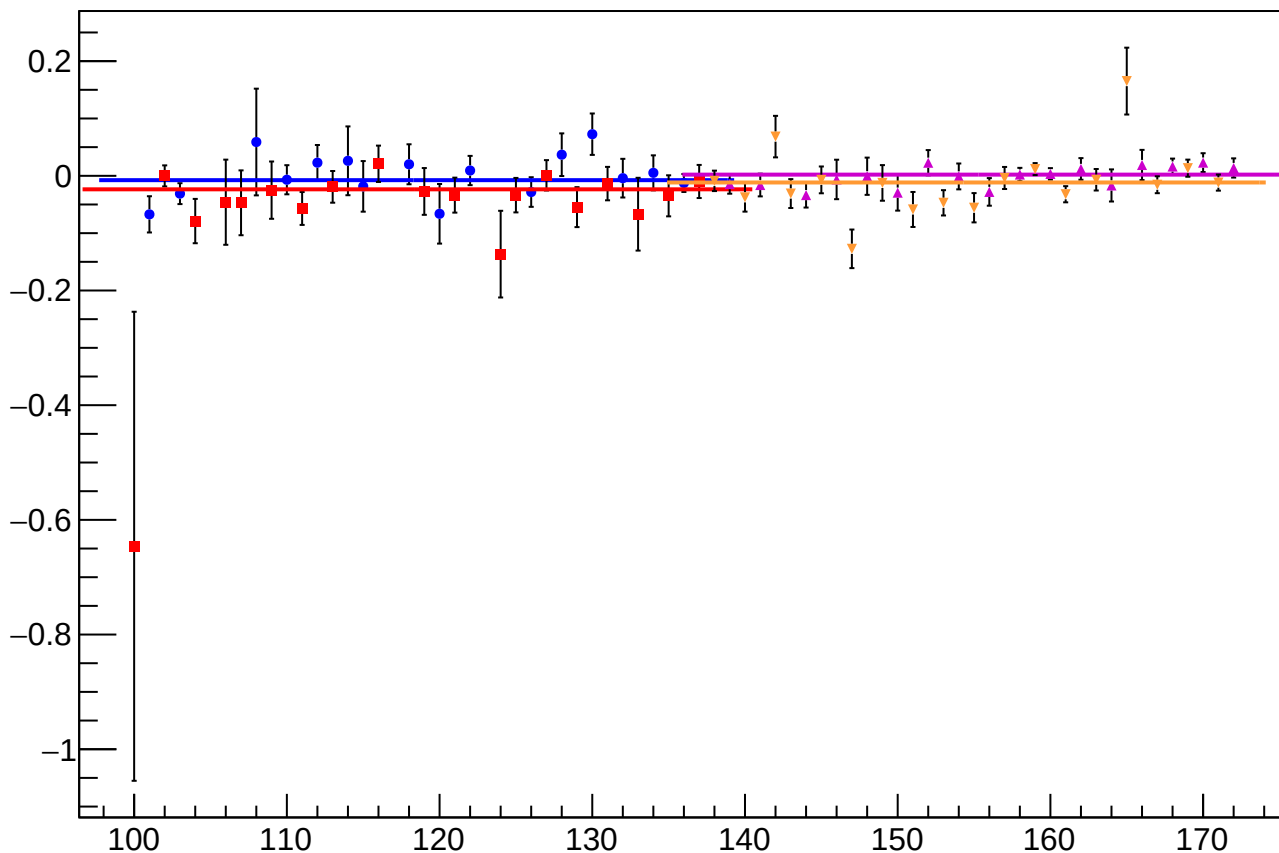
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 753438.3/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3194273.9/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 6244867.5/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 3046999.5/35

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.007 χ^2/NDF : 16.7/15

Left Out: -0.012 ± 0.004 χ^2/NDF : 45.7/17

Right Out: -0.024 ± 0.008 χ^2/NDF : 14.6/18

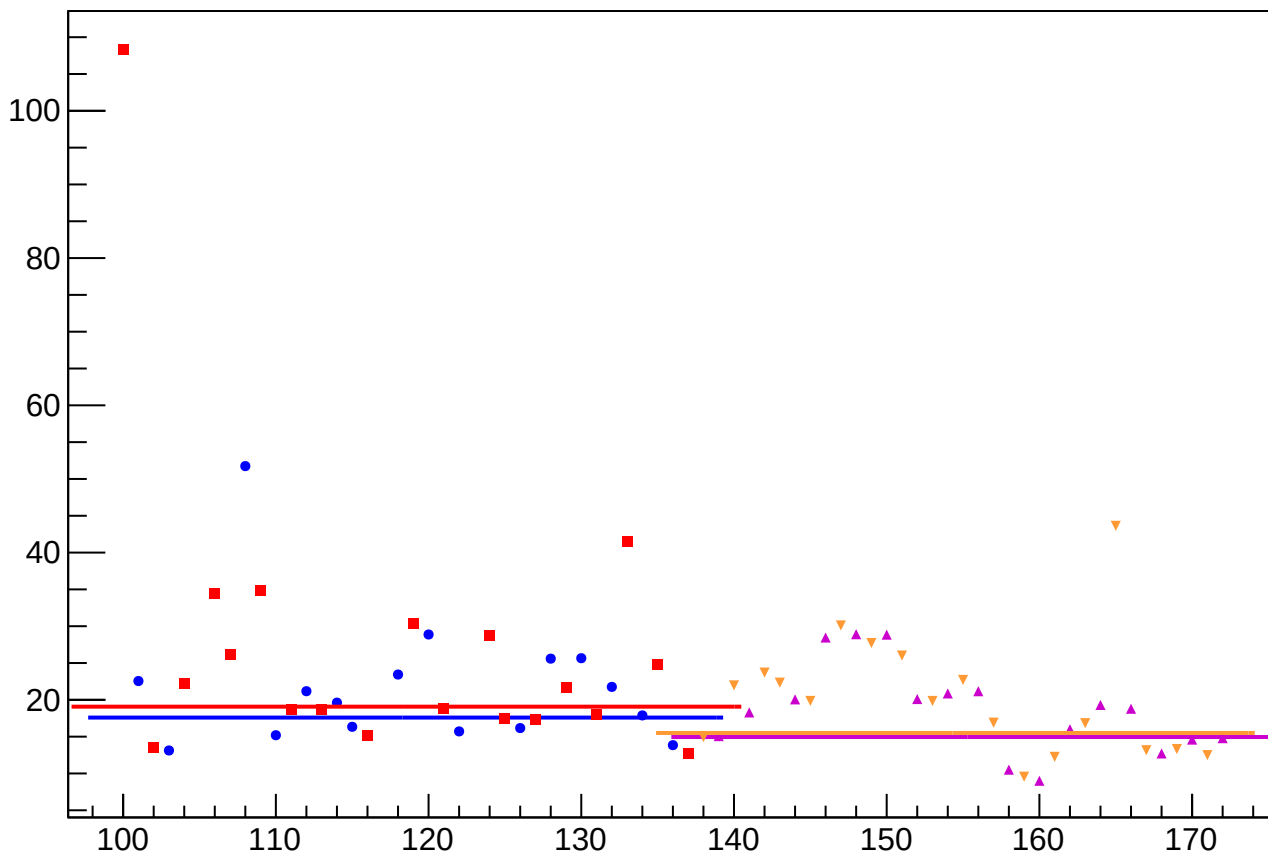
Left In: 0.002 ± 0.004 χ^2/NDF : 12.4/16

+ sign -0.010 ± 0.004 χ^2/NDF : 62.7/33

All: -0.007 ± 0.003 χ^2/NDF : 99.4/69

- sign -0.004 ± 0.004 χ^2/NDF : 35.3/35

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.591+/-0.005 χ^2/NDF : 993249.5/15

Left Out: 15.501+/-0.003 χ^2/NDF : 3035744.2/17

Right Out: 19.072+/-0.005 χ^2/NDF : 1247983.1/18

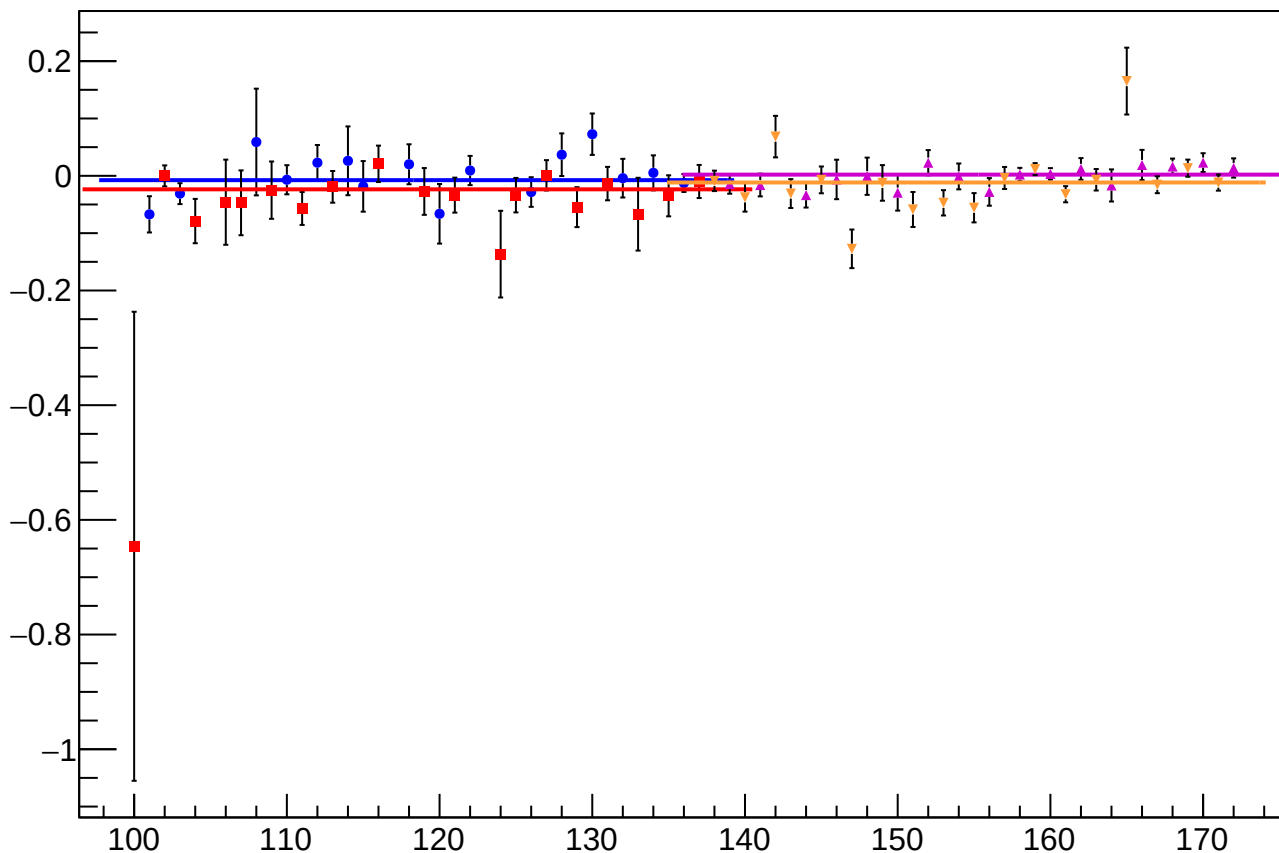
Left In: 14.949+/-0.003 χ^2/NDF : 2766302.5/16

+ sign 16.085+/-0.003 χ^2/NDF : 4150443.8/33

All: 16.016+/-0.002 χ^2/NDF : 8595784.0/69

- sign 15.947+/-0.003 χ^2/NDF : 4444021.7/35

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

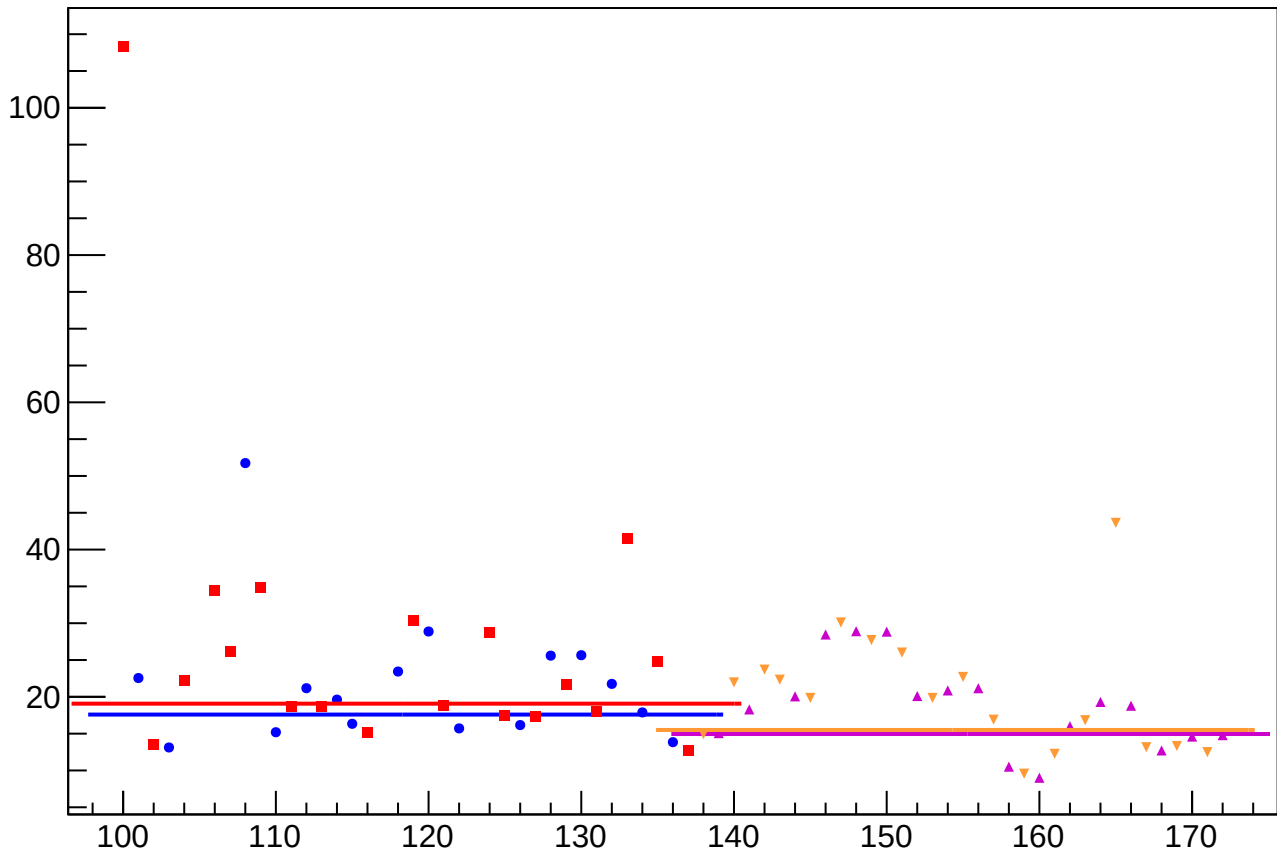
Left In: 0.002 ± 0.004 χ^2/NDF : 12.4/16

+ sign -0.010 ± 0.004 χ^2/NDF : 62.7/33

All: -0.007 ± 0.003 χ^2/NDF : 99.4/69

- sign -0.004 ± 0.004 χ^2/NDF : 35.3/35

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

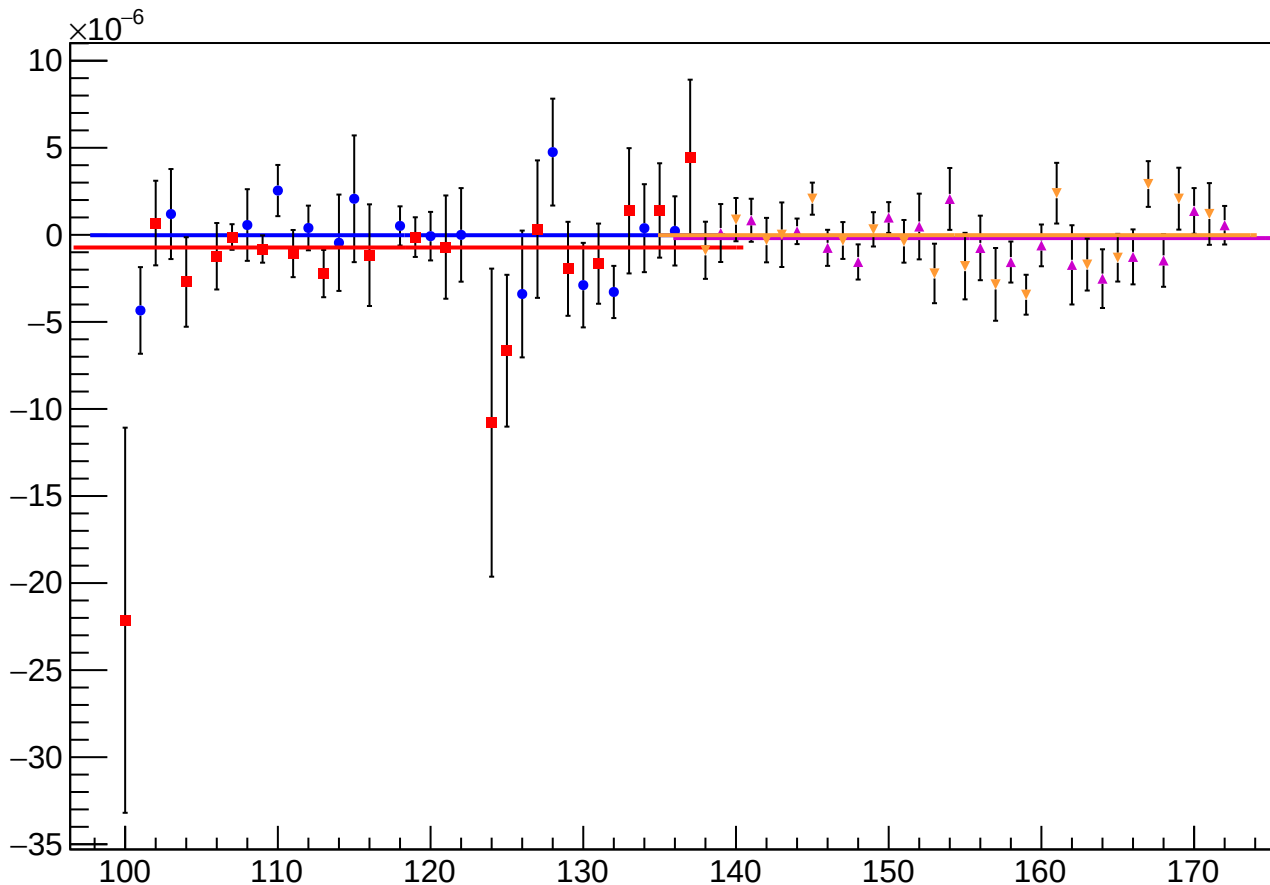
Left In: 14.949+/-0.003 χ^2/NDF : 2766302.5/16

+ sign 16.085+/-0.003 χ^2/NDF : 4150443.8/33

All: 16.016+/-0.002 χ^2/NDF : 8595784.0/69

- sign 15.947+/-0.003 χ^2/NDF : 4444021.7/35

asym_sam_15_37_dd_eigen_dit_vs_dit_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:30.5/17

Right Out: -0.000+/-0.000 χ^2 /NDF: 12.9/18

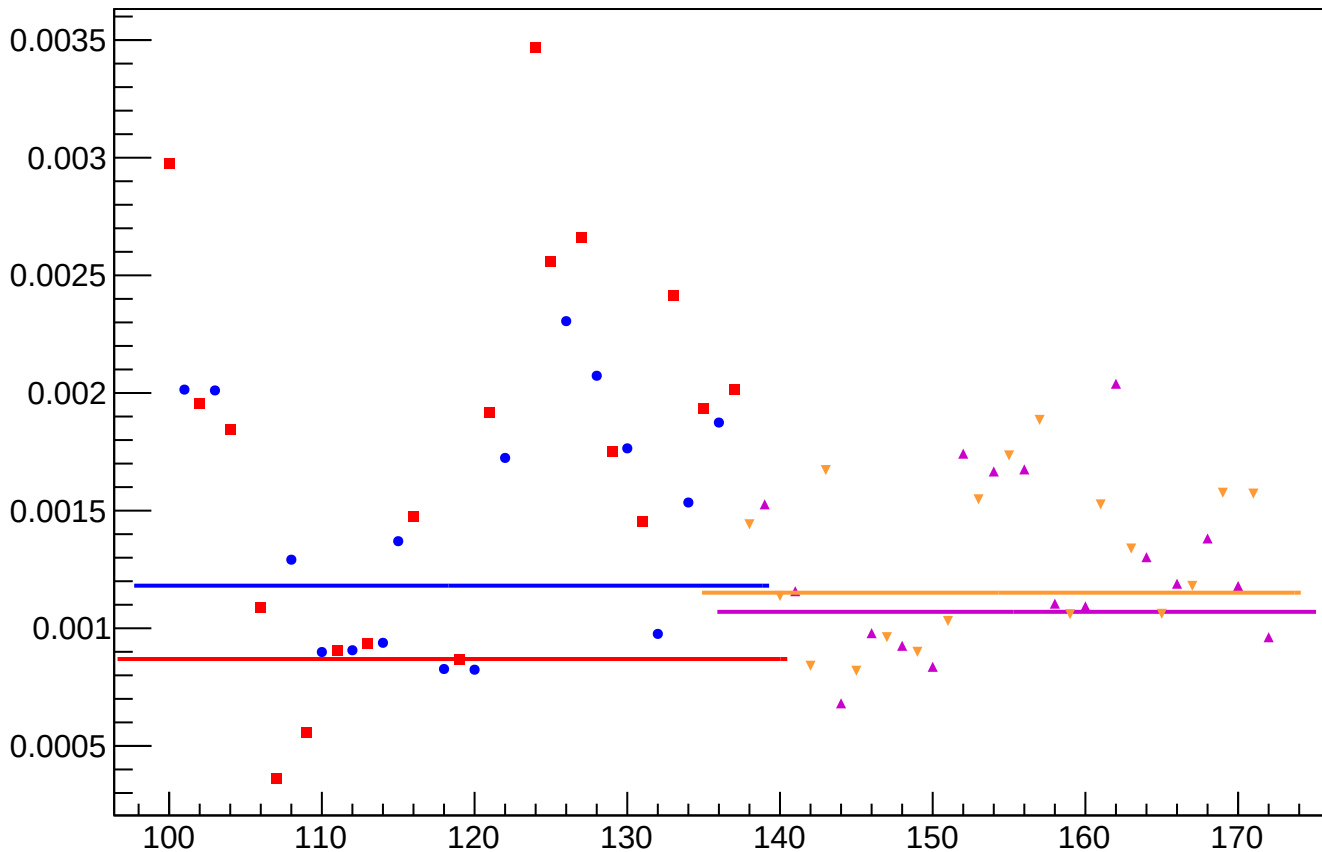
Left In: -0.000+/-0.000 χ^2 /NDF:13.6/16

+ sign -0.000+/-0.000 χ^2 /NDF: 47.0/33

All: -0.000+/-0.000 χ^2 /NDF: 75.9/69

- sign -0.000+/-0.000 χ^2 /NDF: 27.7/35

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 1727175.9/17

Right Out: 0.001+/-0.000 χ^2/NDF : 4435351.6/18

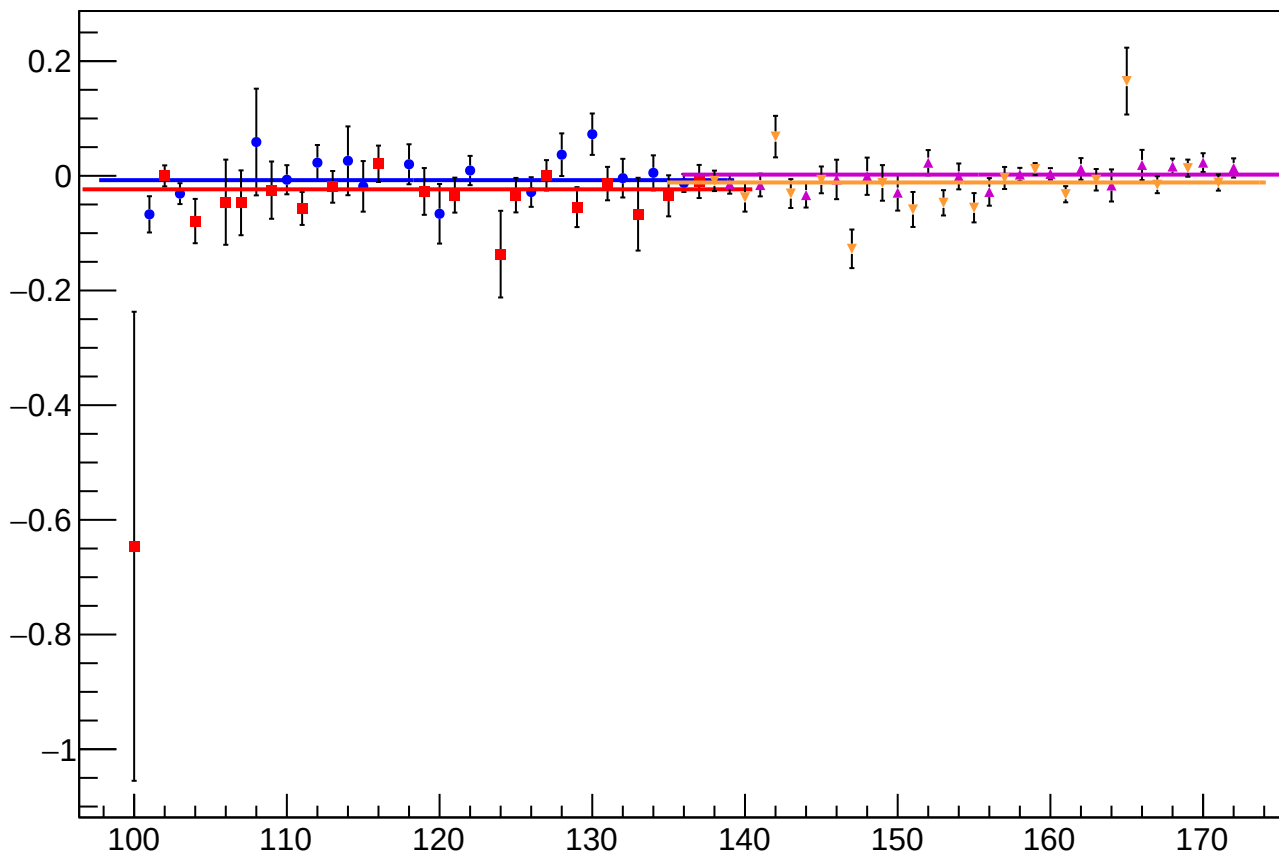
Left In: 0.001+/-0.000 χ^2/NDF : 2143322.3/16

+ sign 0.001+/-0.000 χ^2/NDF : 3560941.4/33

All: 0.001+/-0.000 χ^2/NDF : 10927783.3/69

- sign 0.001+/-0.000 χ^2/NDF : 6920656.6/35

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

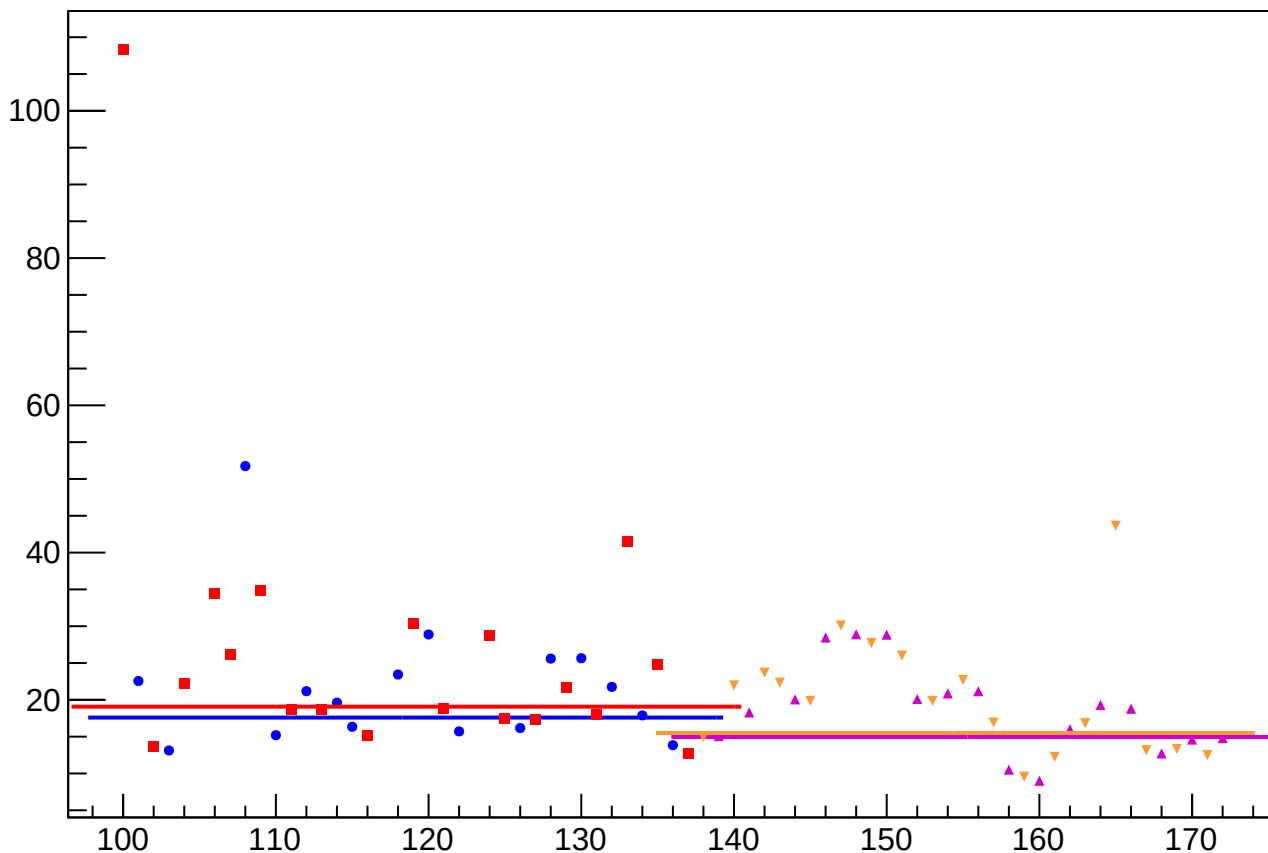
Left In: 0.002 ± 0.004 χ^2/NDF : 12.4/16

+ sign -0.010 ± 0.004 χ^2/NDF : 62.7/33

All: -0.007 ± 0.003 χ^2/NDF : 99.4/69

- sign -0.004 ± 0.004 χ^2/NDF : 35.3/35

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2/NDF : 993288.6/15

Left Out: 15.500 $\pm$ 0.003 χ^2/NDF : 3036006.1/17

Right Out: 19.072 $\pm$ 0.005 χ^2/NDF : 1247904.7/18

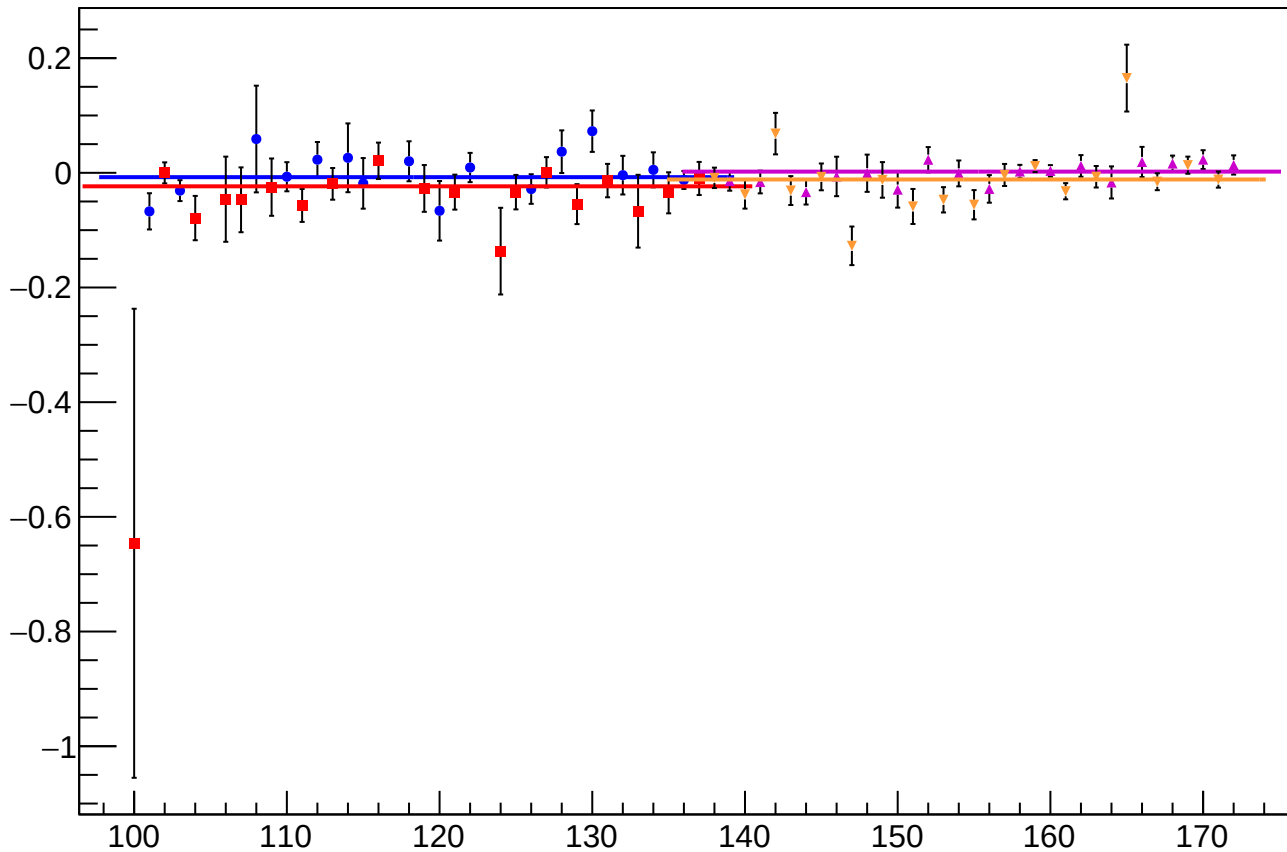
Left In: 14.949 $\pm$ 0.003 χ^2/NDF : 2766612.7/16

+ sign 16.085 $\pm$ 0.003 χ^2/NDF : 4150779.7/33

All: 16.016 $\pm$ 0.002 χ^2/NDF : 8596482.4/69

- sign 15.947 $\pm$ 0.003 χ^2/NDF : 4444383.9/35

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

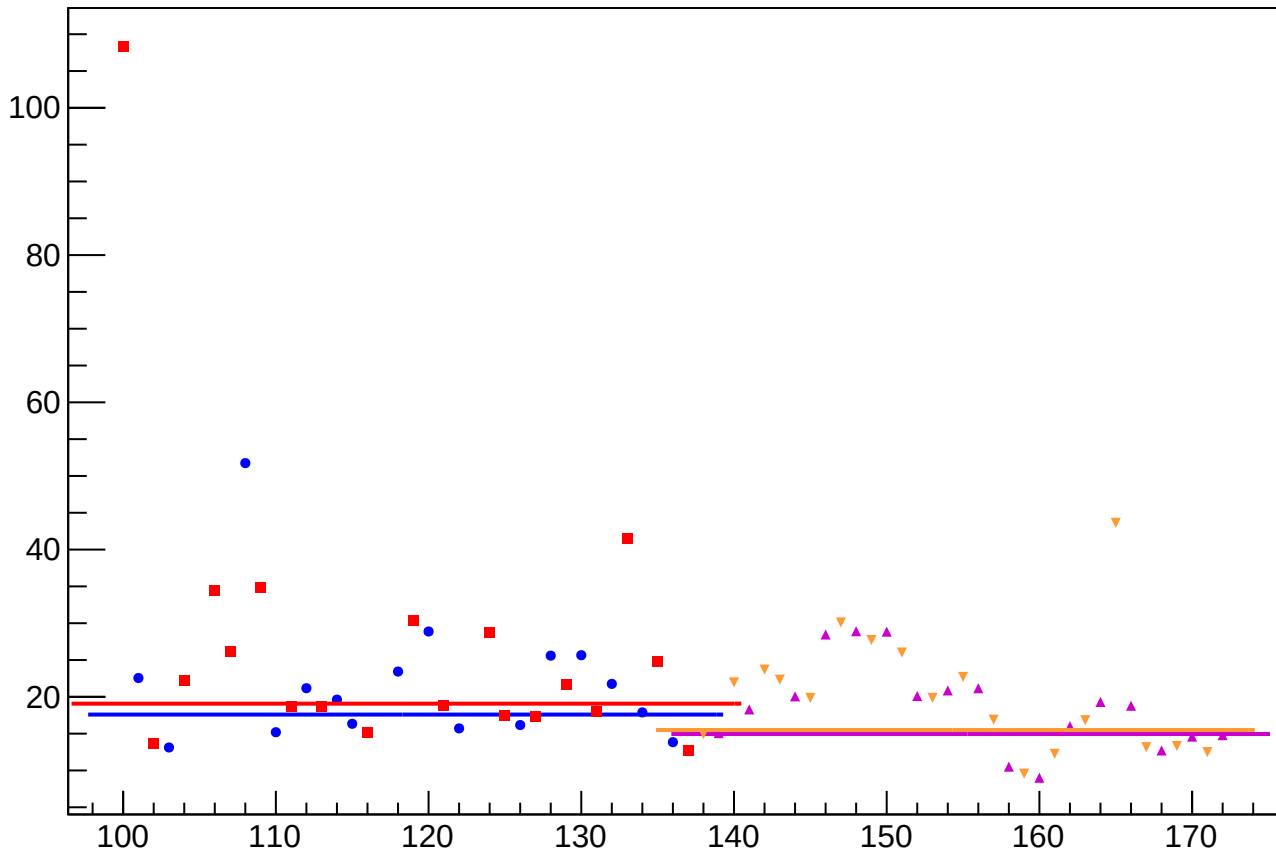
Left In: 0.002 ± 0.004 χ^2/NDF : 12.4/16

+ sign -0.010 ± 0.004 χ^2/NDF : 62.7/33

All: -0.007 ± 0.003 χ^2/NDF : 99.4/69

- sign -0.004 ± 0.004 χ^2/NDF : 35.3/35

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.591 $\pm$ 0.005 χ^2/NDF : 993288.6/15

Left Out: 15.500 $\pm$ 0.003 χ^2/NDF : 3036006.1/17

Right Out: 19.072 $\pm$ 0.005 χ^2/NDF : 1247904.7/18

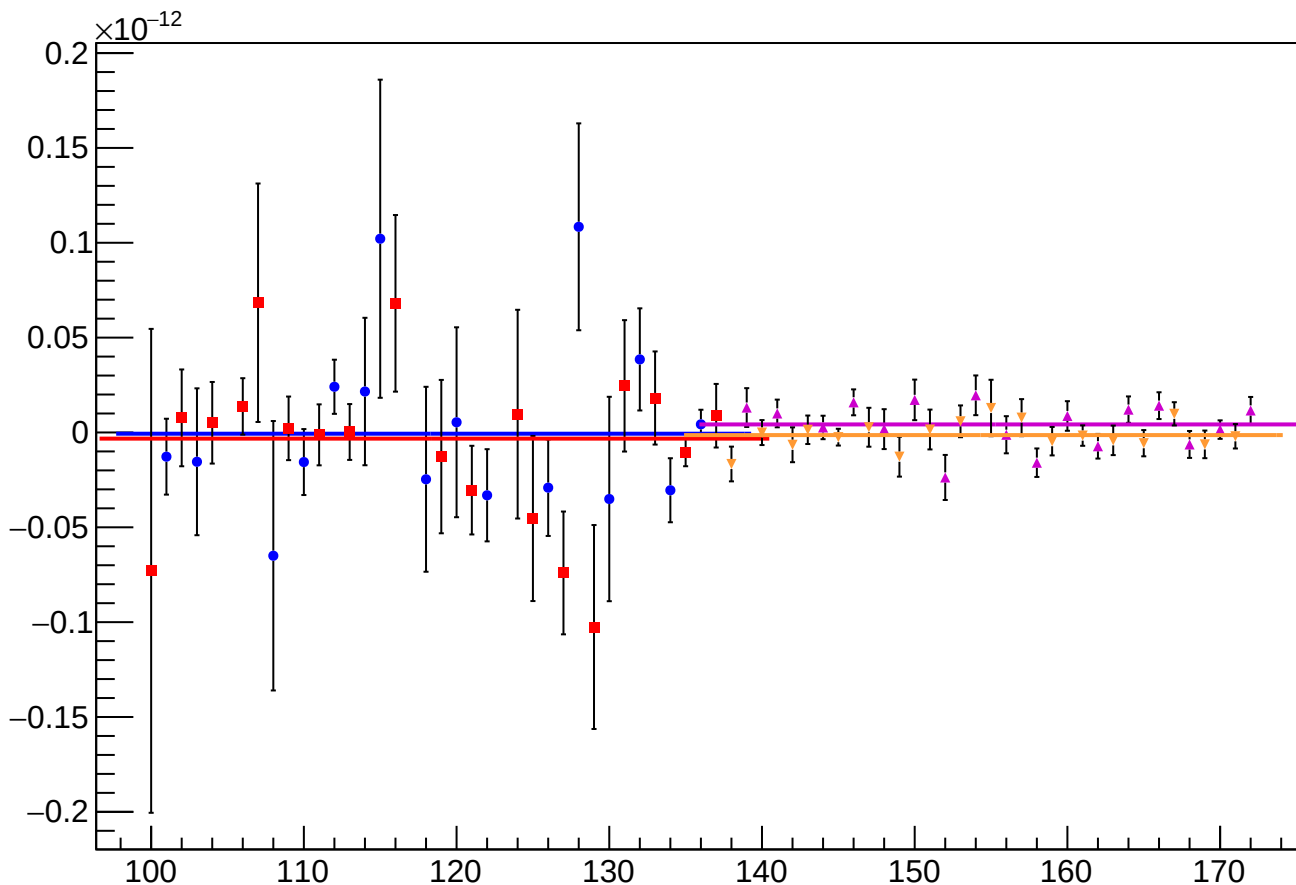
Left In: 14.949 $\pm$ 0.003 χ^2/NDF : 2766612.7/16

+ sign 16.085 $\pm$ 0.003 χ^2/NDF : 4150779.7/33

All: 16.016 $\pm$ 0.002 χ^2/NDF : 8596482.4/69

- sign 15.947 $\pm$ 0.003 χ^2/NDF : 4444383.9/35

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

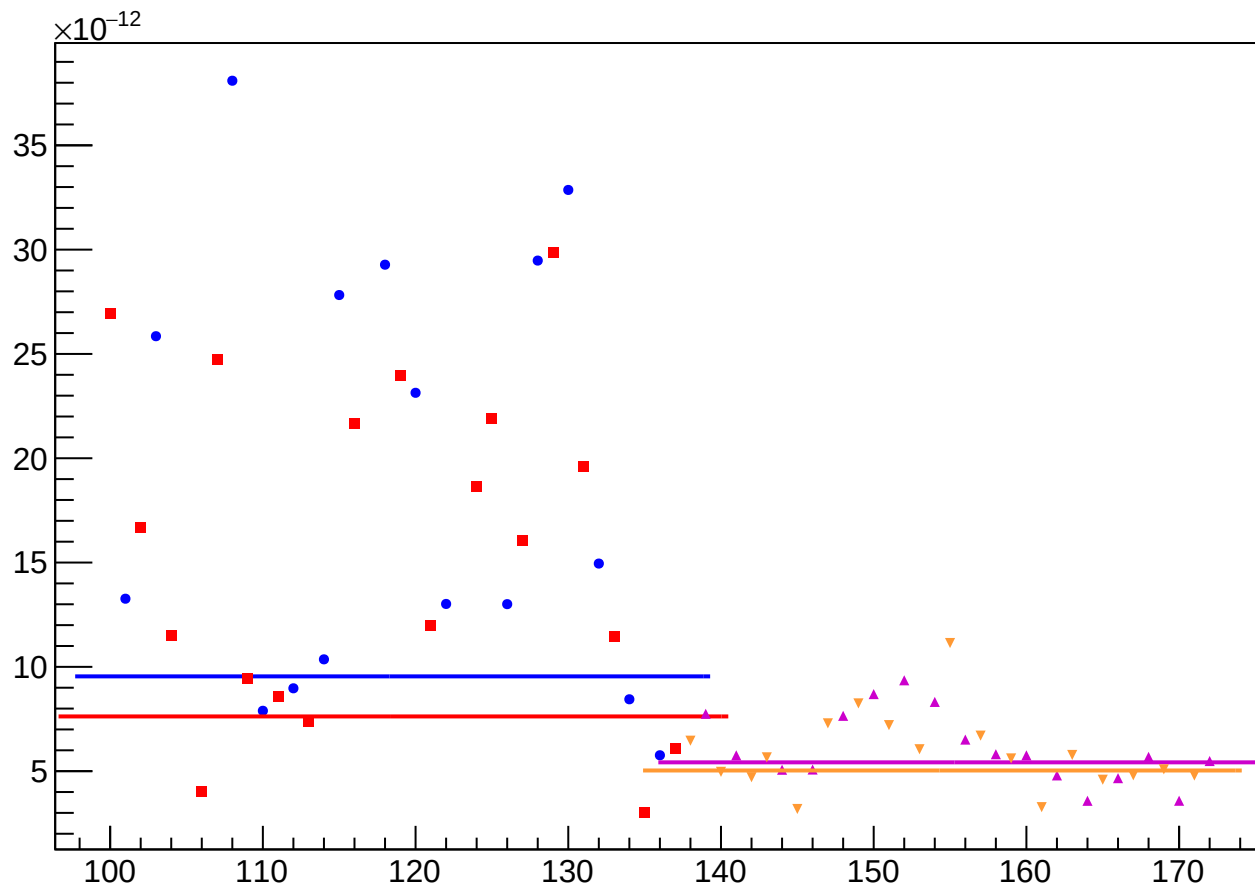
Left In: 0.000+/-0.000 χ^2 /NDF:31.4/16

+ sign -0.000+/-0.000 χ^2 /NDF: 32.1/33

All: 0.000+/-0.000 χ^2 /NDF: 88.6/69

- sign 0.000+/-0.000 χ^2 /NDF: 52.9/35

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1466690.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3086000.4/18

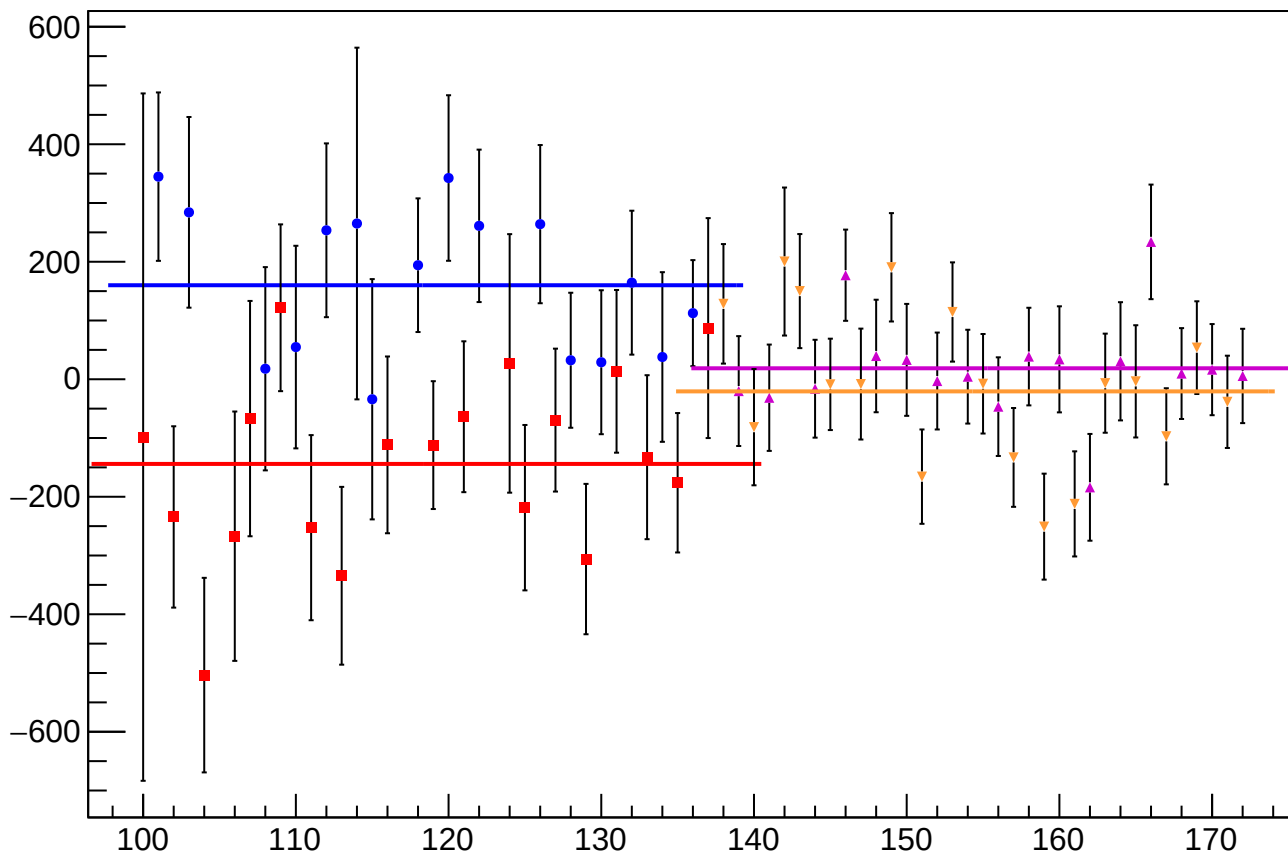
Left In: 0.000+/-0.000 χ^2/NDF : 1272689.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 5518056.2/33

All: 0.000+/-0.000 χ^2/NDF : 10308771.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4771875.7/35

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 160.024 ± 34.170 $\chi^2/\text{NDF}: 11.1/15$

Left Out: -20.640 ± 20.809 $\chi^2/\text{NDF}: 34.6/17$

Right Out: -144.117 ± 34.213 $\chi^2/\text{NDF}: 17.4/18$

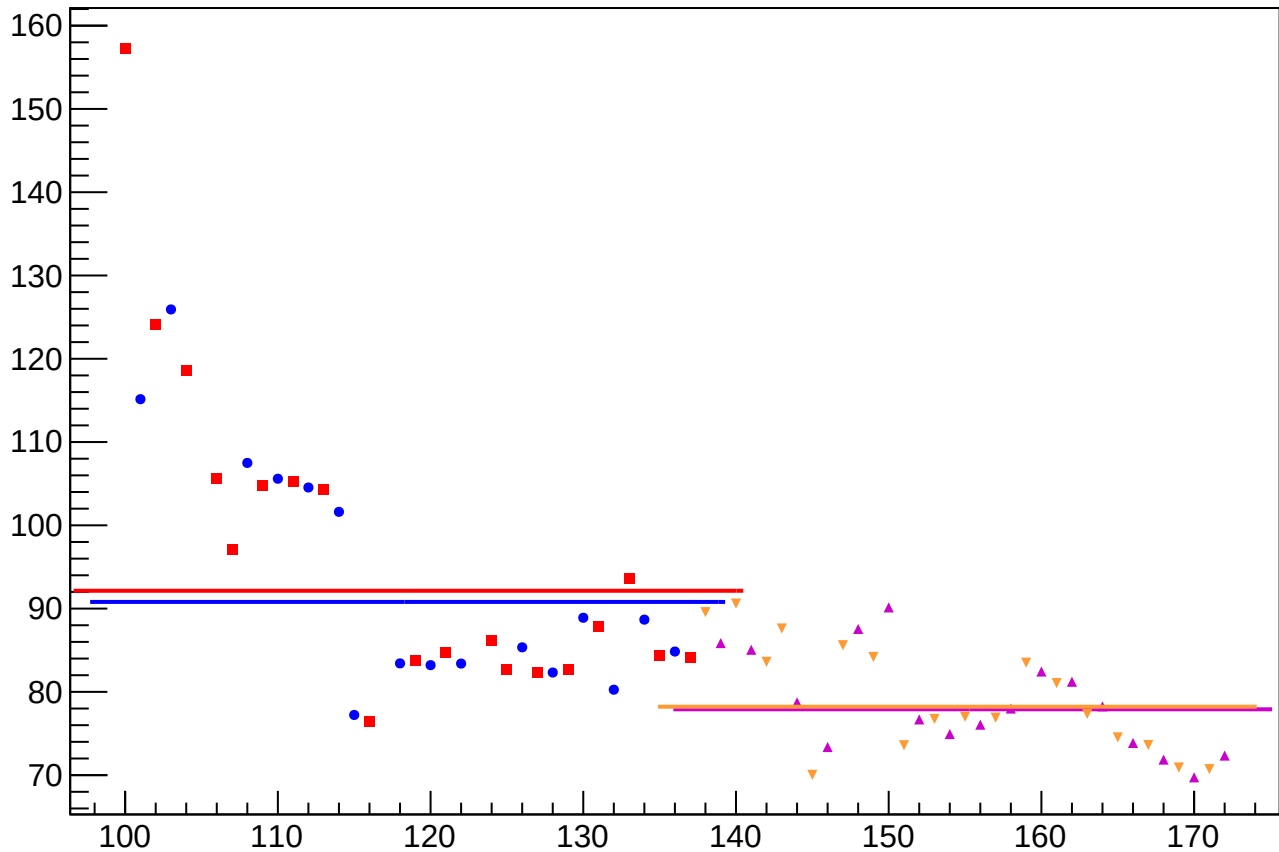
Left In: 18.673 ± 20.883 $\chi^2/\text{NDF}: 15.6/16$

+ sign 28.237 ± 17.773 $\chi^2/\text{NDF}: 66.0/33$

All: 1.440 ± 12.586 $\chi^2/\text{NDF}: 120.1/69$

- sign -25.513 ± 17.825 $\chi^2/\text{NDF}: 49.5/35$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272755.2/15

Left Out: 78.219 $\pm$ 0.015 χ^2 /NDF: 183267.3/17

Right Out: 92.141 $\pm$ 0.024 χ^2 /NDF: 302032.4/18

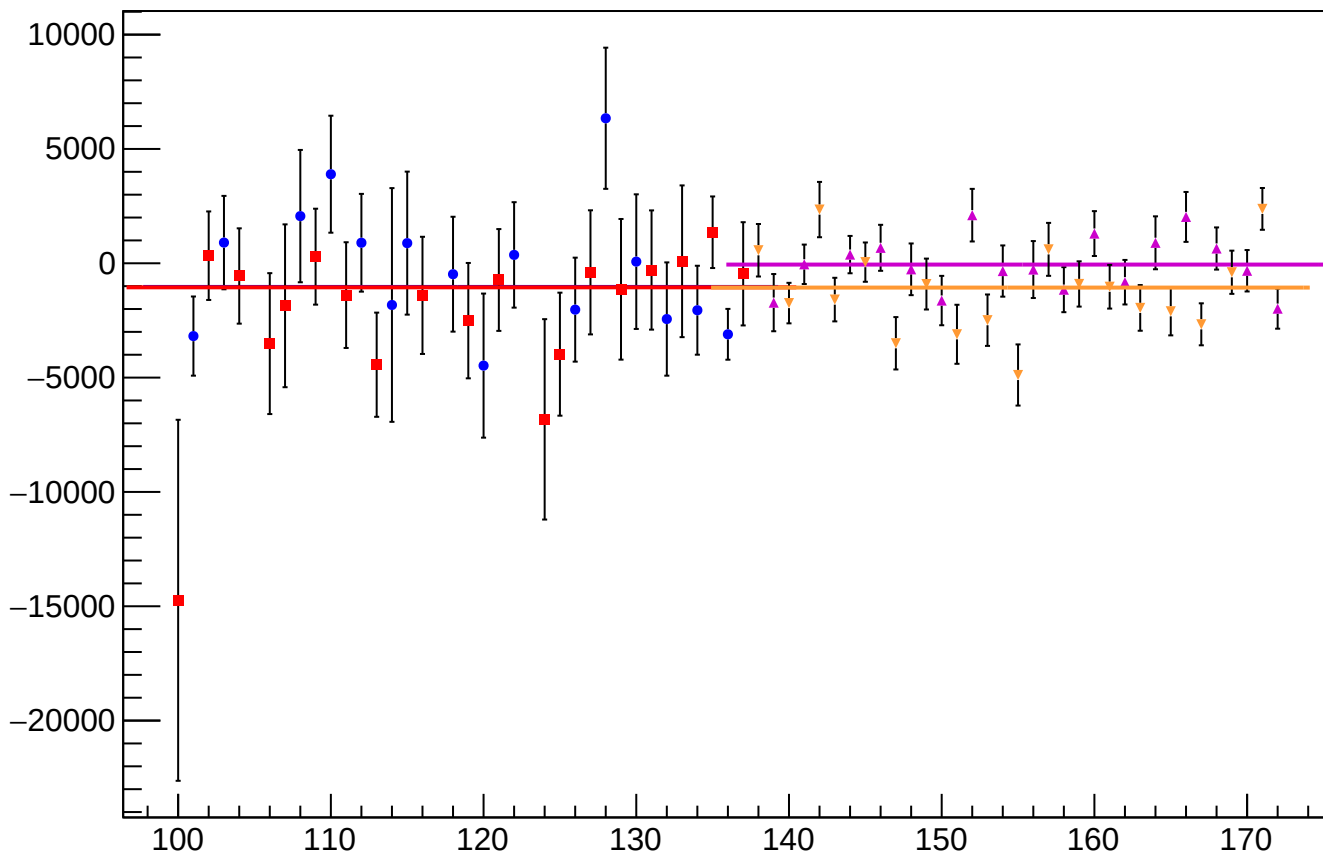
Left In: 77.906 $\pm$ 0.015 χ^2 /NDF: 146573.2/16

+ sign 81.623 $\pm$ 0.013 χ^2 /NDF: 653858.3/33

All: 81.697 $\pm$ 0.009 χ^2 /NDF: 1354768.5/69

- sign 81.770 $\pm$ 0.013 χ^2 /NDF: 700842.0/35

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1035.032 $\pm$ 550.207 χ^2/NDF : 20.2/15

Left Out: -1062.993 $\pm$ 242.833 χ^2/NDF : 51.0/17

Right Out: -1051.517 $\pm$ 568.935 χ^2/NDF : 12.9/18

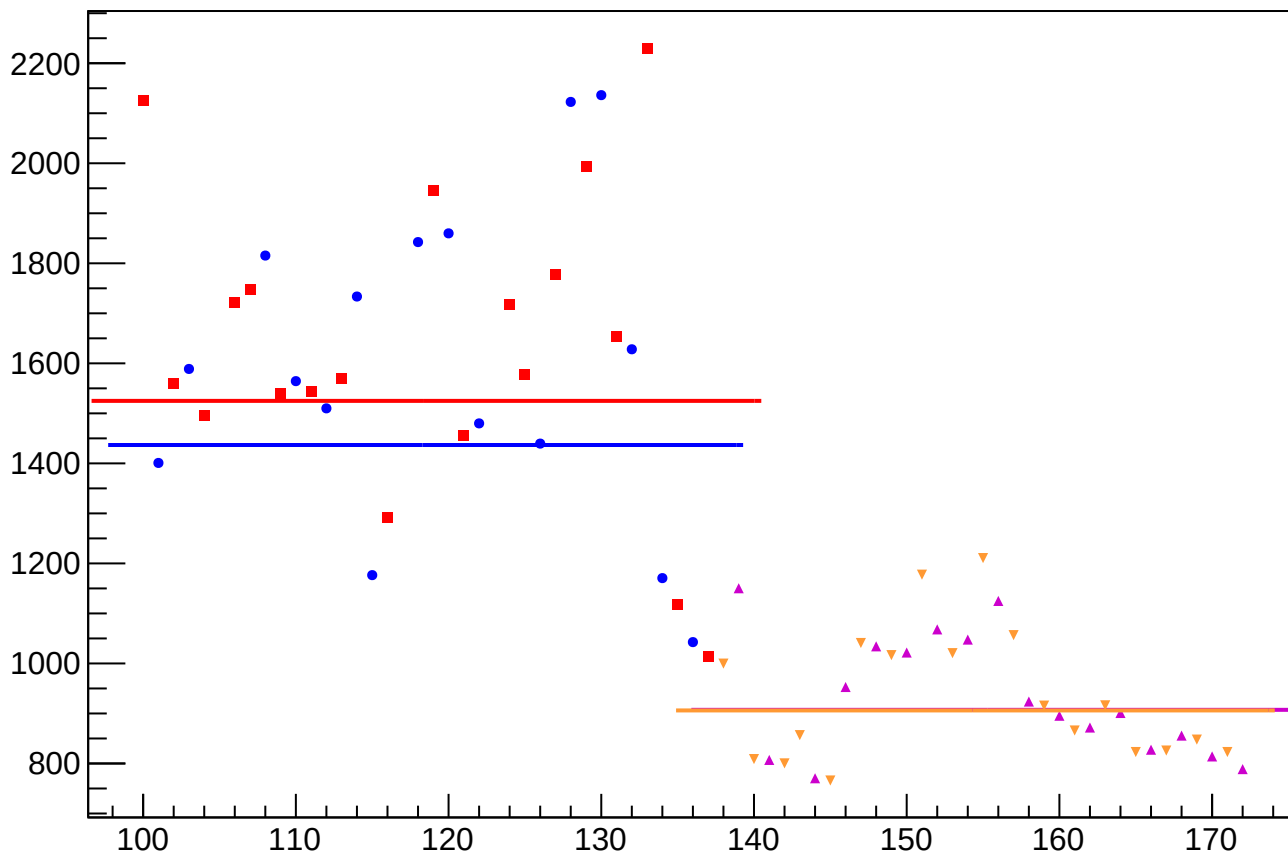
Left In: -56.679 $\pm$ 244.592 χ^2/NDF : 22.0/16

+ sign -1058.434 $\pm$ 222.158 χ^2/NDF : 71.2/33

All: -639.977 $\pm$ 157.983 χ^2/NDF : 115.8/69

- sign -211.866 $\pm$ 224.706 χ^2/NDF : 37.4/35

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

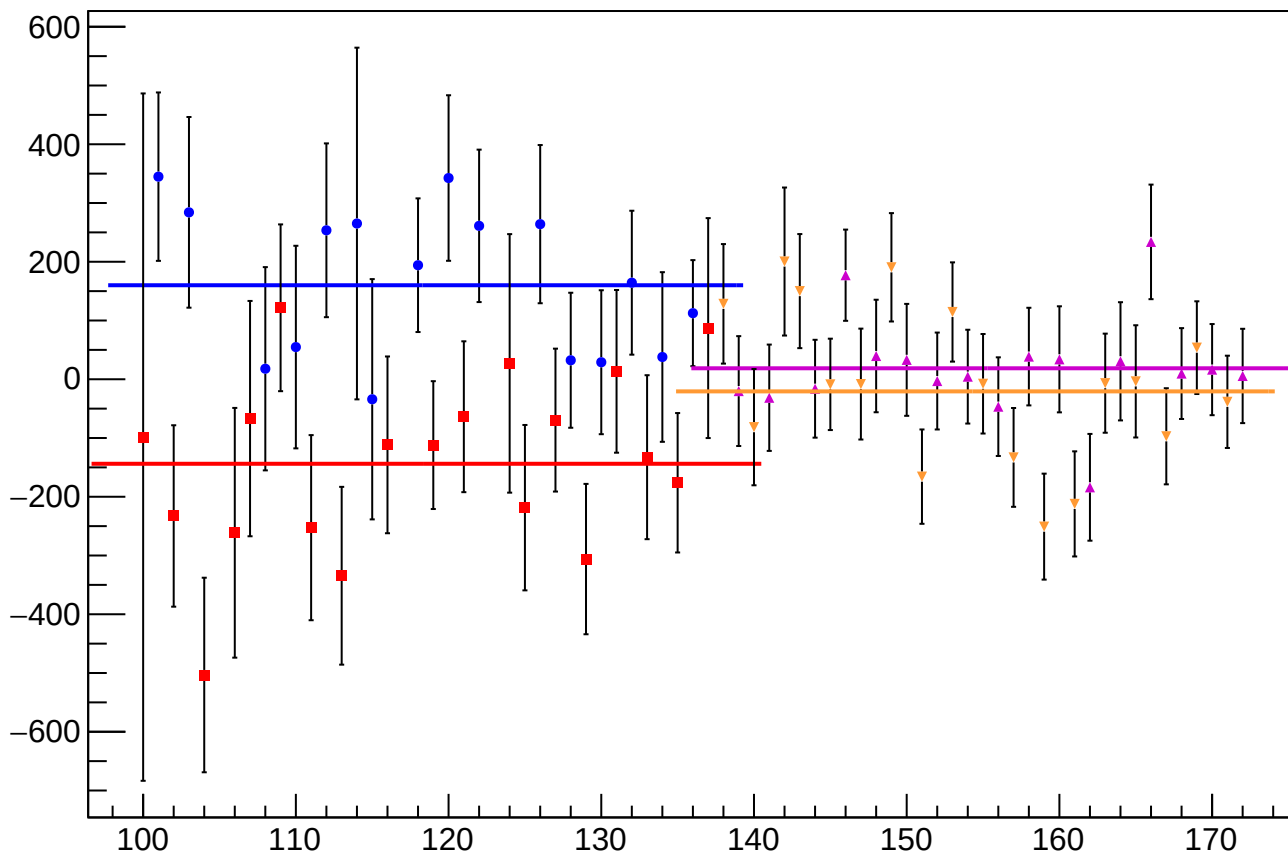
Left In: 907.269+/-0.173 χ^2/NDF : 420261.1/16

+ sign 992.589+/-0.157 χ^2/NDF : 2694019.8/33

All: 998.043+/-0.112 χ^2/NDF : 5610984.7/69

- sign 1003.623+/-0.159 χ^2/NDF : 2914526.2/35

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: -20.638 $\pm$ 20.809 χ^2 /NDF:34.6/17

Right Out: -143.862 $\pm$ 34.216 χ^2 /NDF: 17.3/18

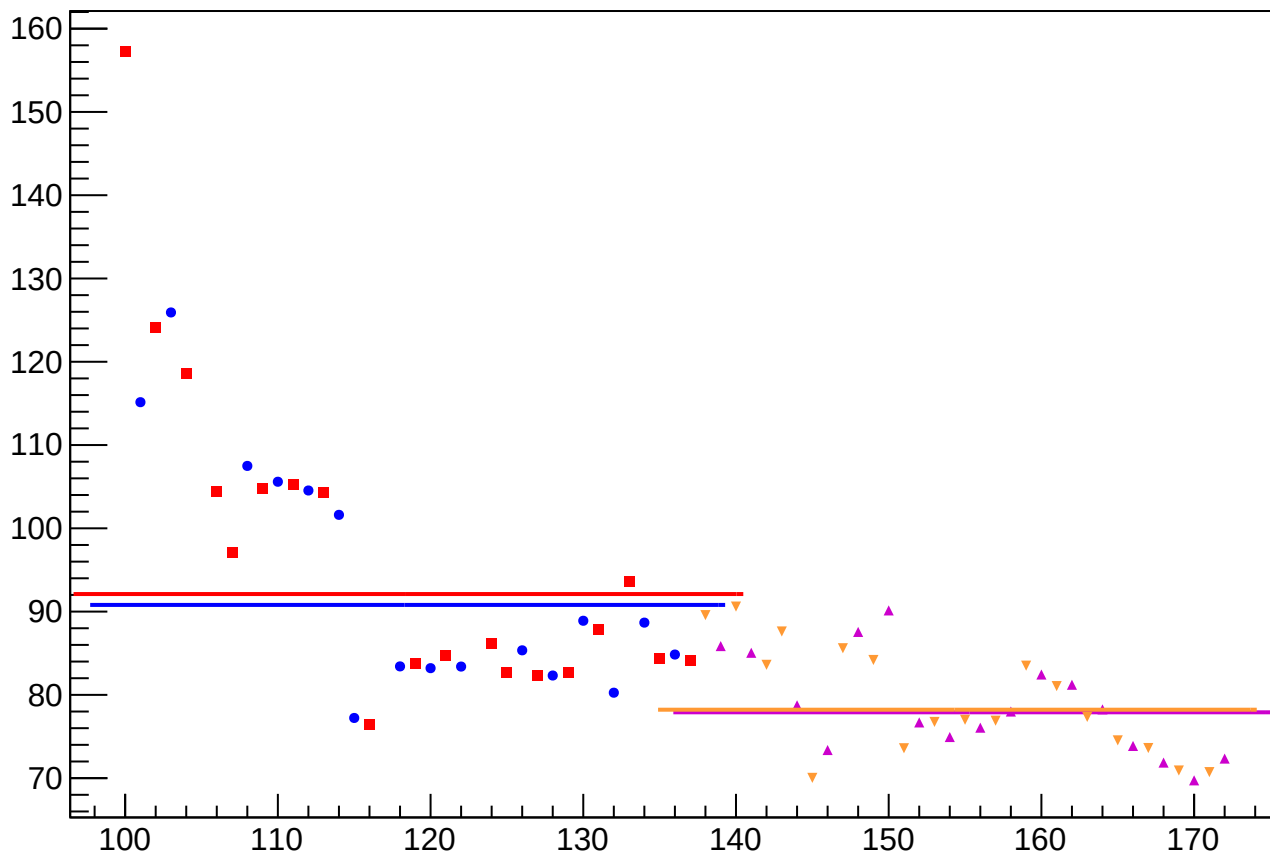
Left In: 18.675 $\pm$ 20.883 χ^2 /NDF:15.6/16

+ sign 28.238 $\pm$ 17.773 χ^2 /NDF: 66.0/33

All: 1.478 $\pm$ 12.586 χ^2 /NDF: 119.9/69

- sign -25.438 $\pm$ 17.825 χ^2 /NDF: 49.4/35

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 78.219 $\pm$ 0.015 χ^2 /NDF: 183267.3/17

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

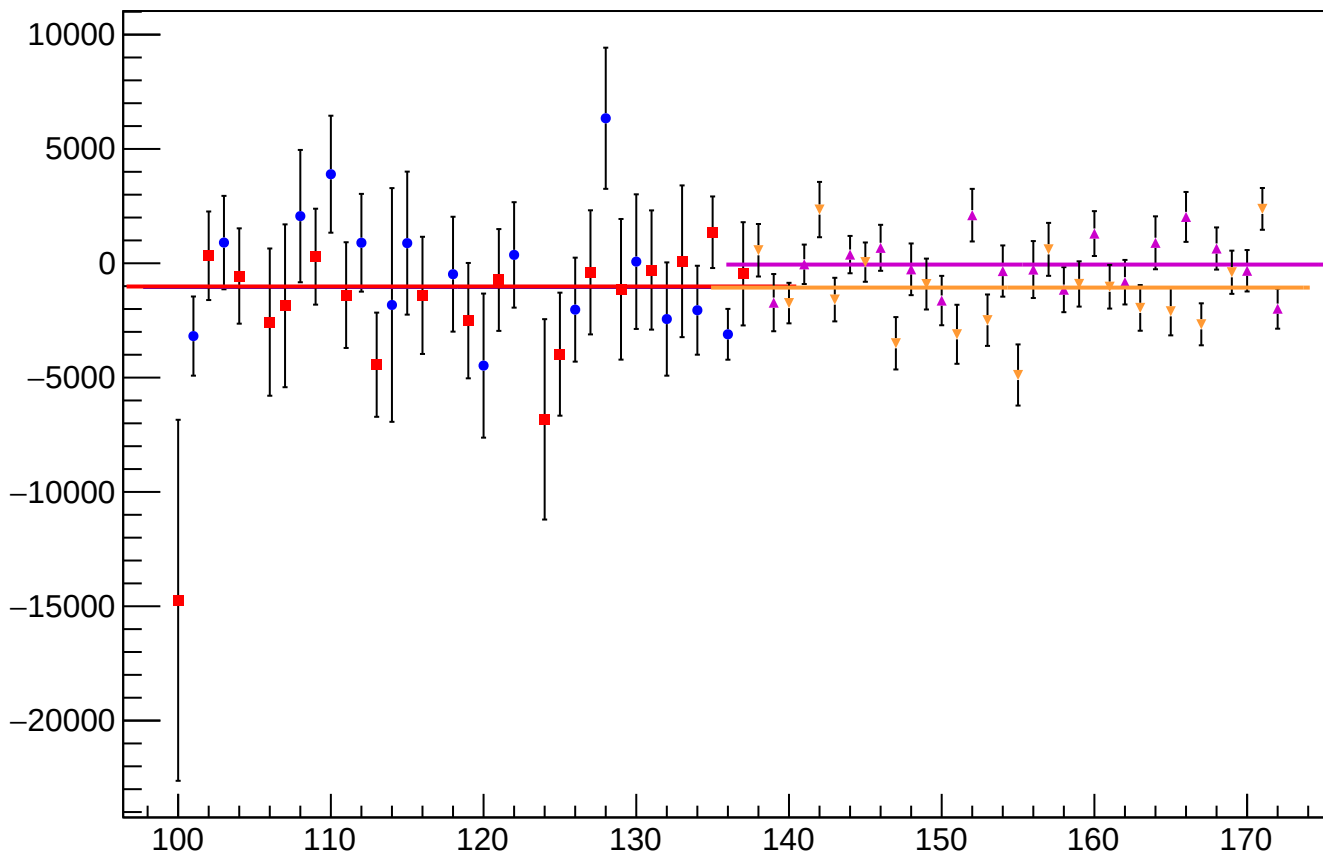
Left In: 77.906 $\pm$ 0.015 χ^2 /NDF: 146573.2/16

+ sign 81.623 $\pm$ 0.013 χ^2 /NDF: 653860.2/33

All: 81.692 $\pm$ 0.009 χ^2 /NDF: 1352303.7/69

- sign 81.761 $\pm$ 0.013 χ^2 /NDF: 698383.6/35

asym_sam_24_68_dd_cor_correction_mean vs Slug



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

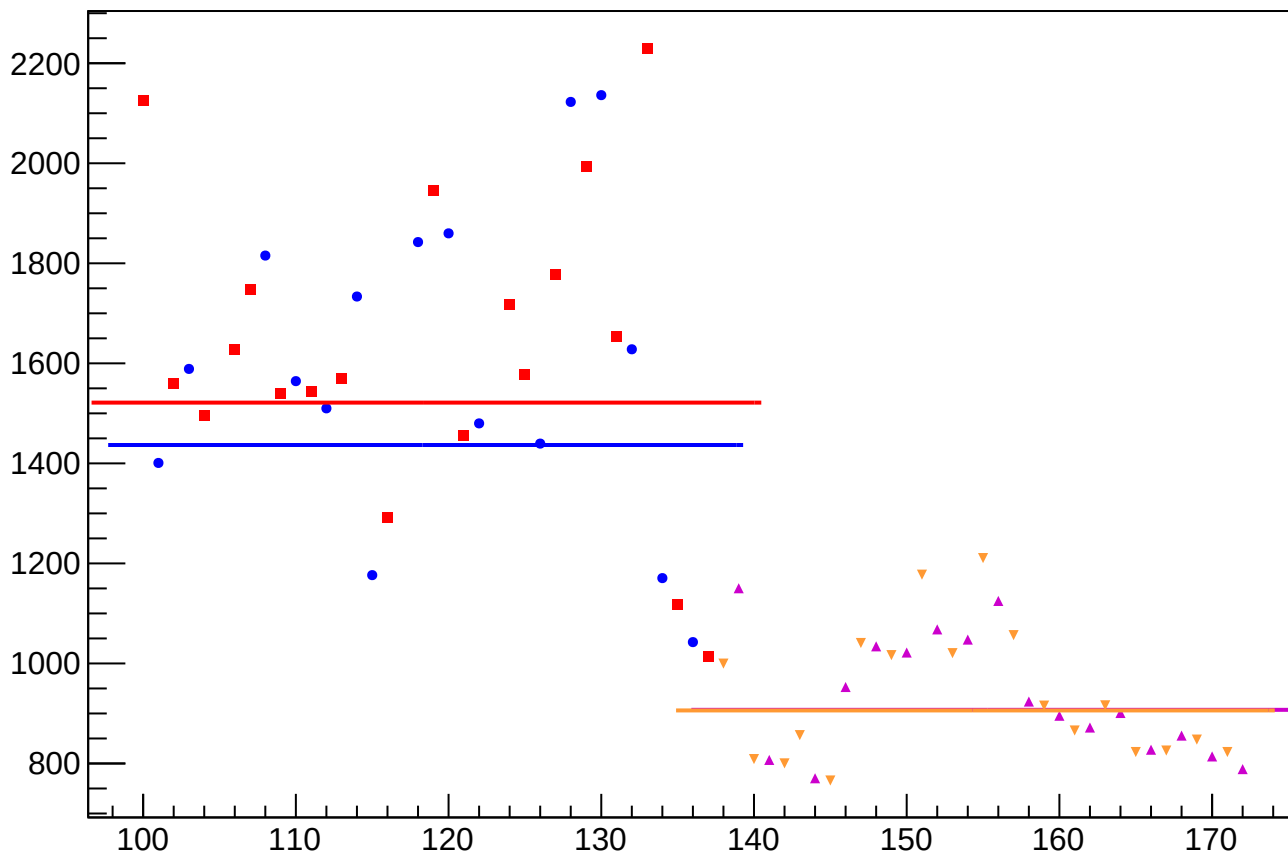
Left In: -56.680 ± 244.592 χ^2/NDF : 22.0/16

+ sign -1058.428 ± 222.158 χ^2/NDF : 71.2/33

All: -637.102 ± 158.001 χ^2/NDF : 115.3/69

- sign -205.861 ± 224.758 χ^2/NDF : 36.8/35

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

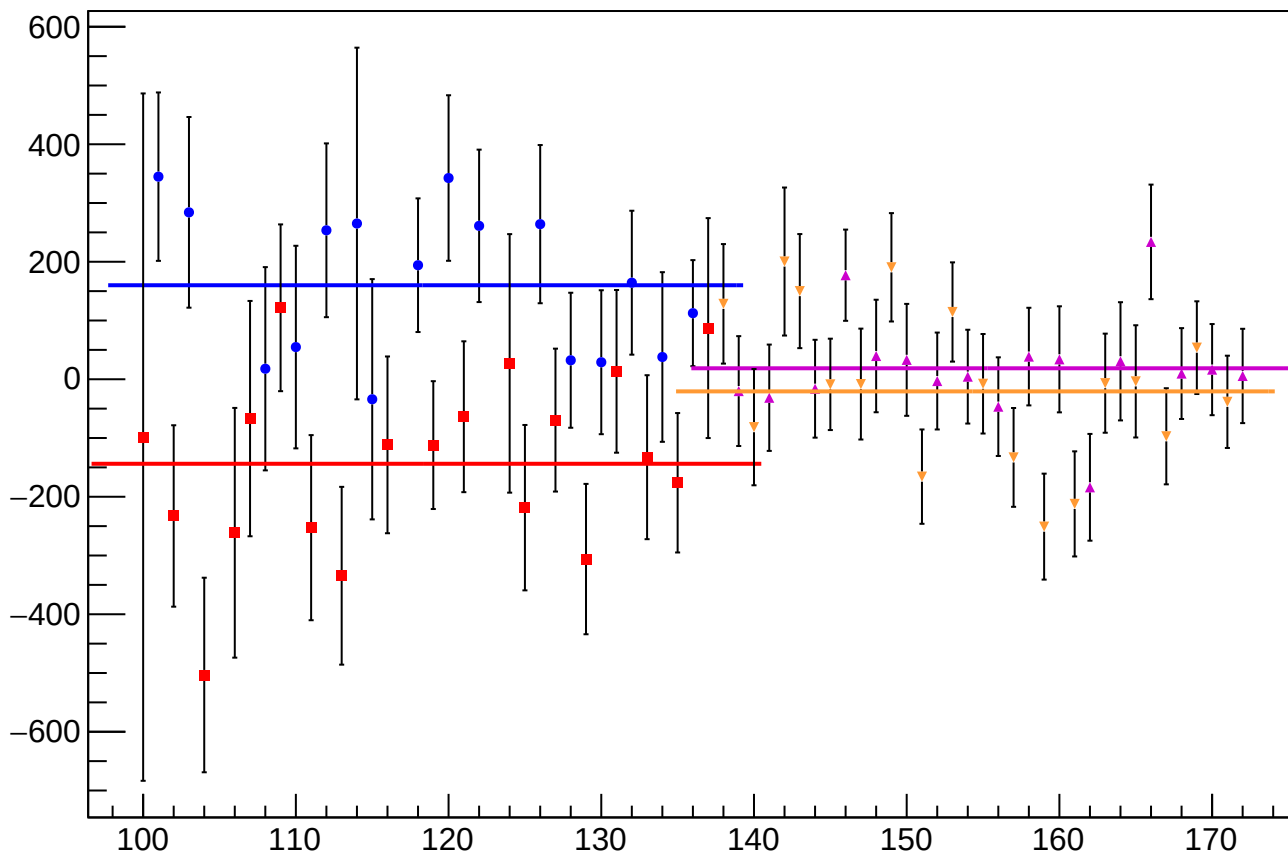
Left In: 907.269+/-0.173 χ^2/NDF : 420260.1/16

+ sign 992.589+/-0.157 χ^2/NDF : 2694044.0/33

All: 997.658+/-0.112 χ^2/NDF : 5577367.2/69

- sign 1002.846+/-0.159 χ^2/NDF : 2881216.4/35

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 160.020 $\pm$ 34.170 χ^2 /NDF: 11.1/15

Left Out: -20.638 $\pm$ 20.809 χ^2 /NDF:34.6/17

Right Out: -143.862 $\pm$ 34.216 χ^2 /NDF: 17.3/18

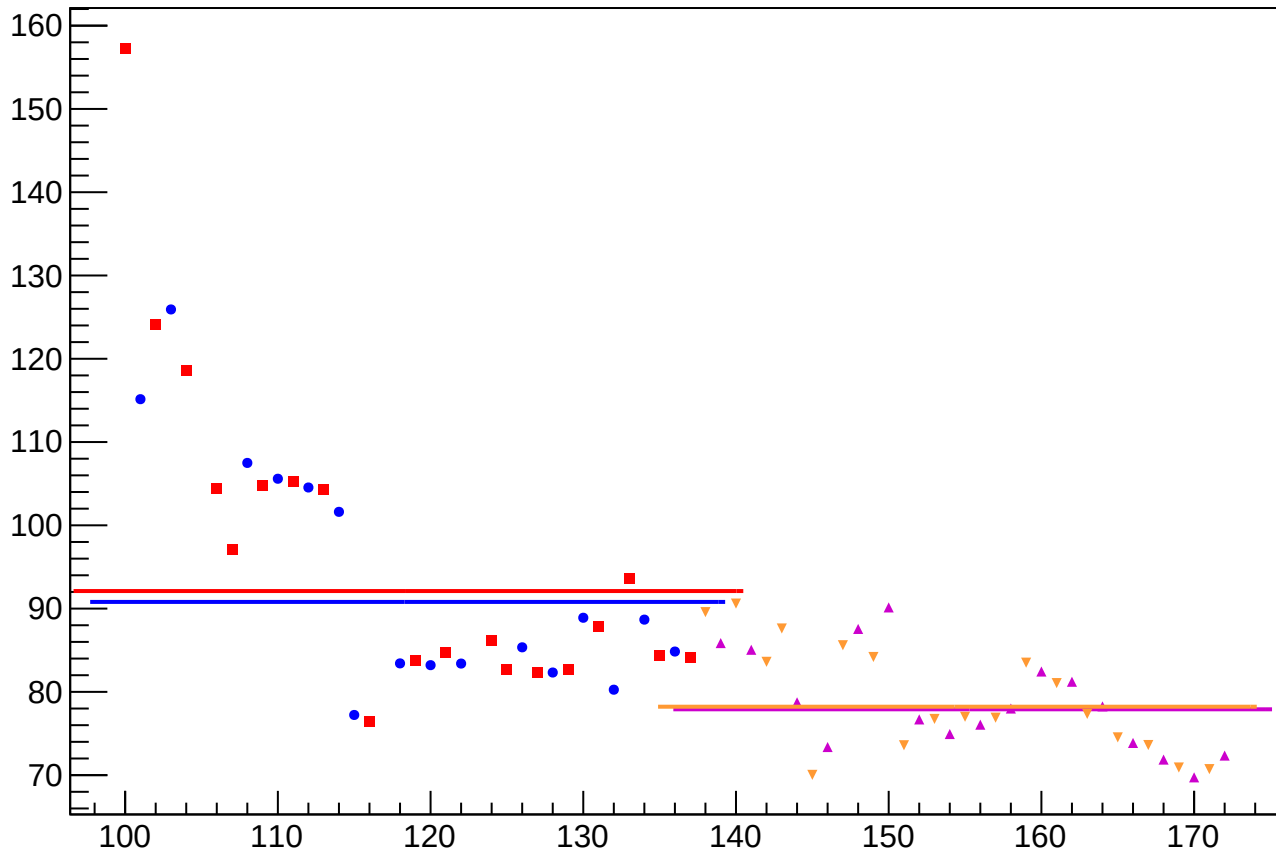
Left In: 18.675 $\pm$ 20.883 χ^2 /NDF:15.6/16

+ sign 28.238 $\pm$ 17.773 χ^2 /NDF: 66.0/33

All: 1.478 $\pm$ 12.586 χ^2 /NDF: 119.9/69

- sign -25.438 $\pm$ 17.825 χ^2 /NDF: 49.4/35

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 90.802 $\pm$ 0.024 χ^2 /NDF: 272757.0/15

Left Out: 78.219 $\pm$ 0.015 χ^2 /NDF: 183267.3/17

Right Out: 92.108 $\pm$ 0.024 χ^2 /NDF: 300768.0/18

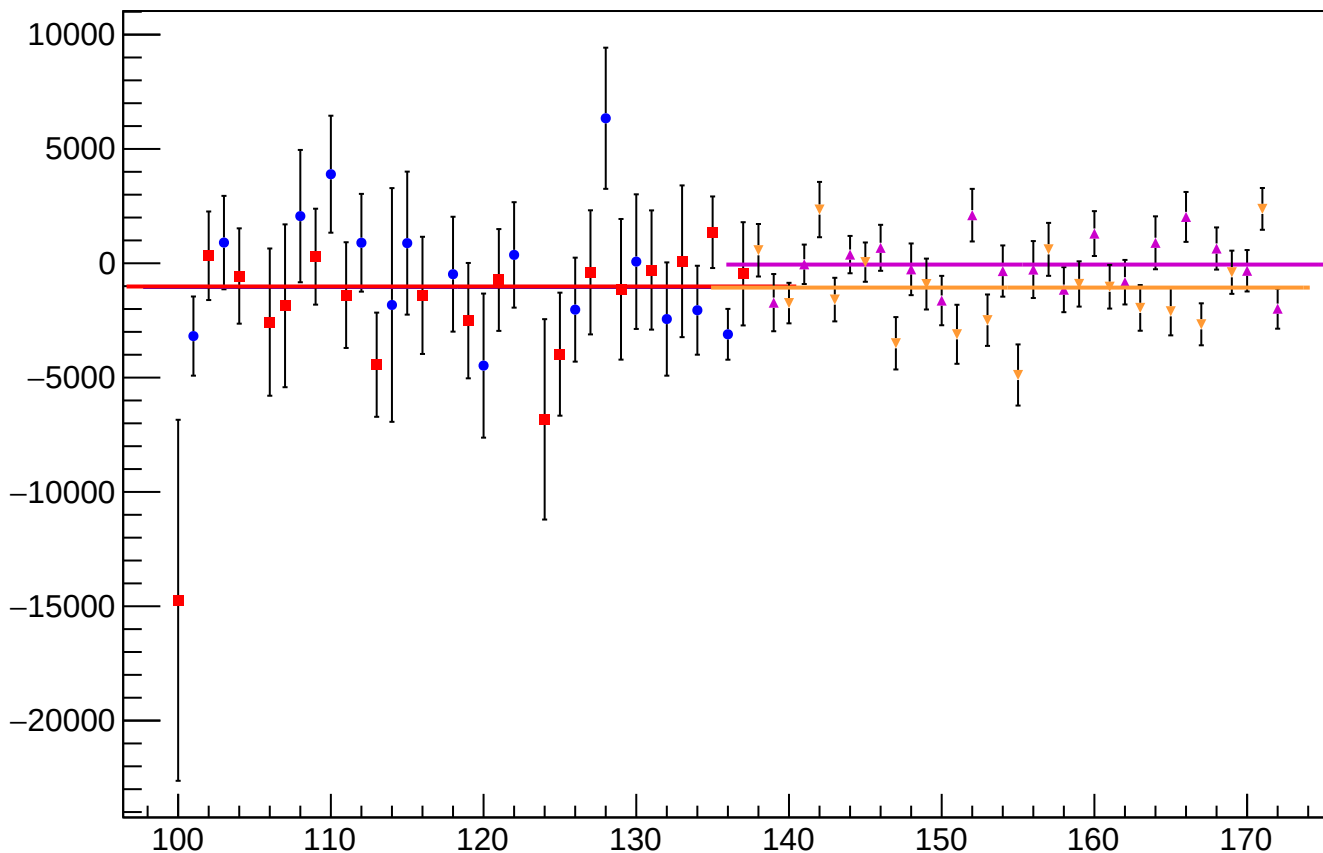
Left In: 77.906 $\pm$ 0.015 χ^2 /NDF: 146573.2/16

+ sign 81.623 $\pm$ 0.013 χ^2 /NDF: 653860.2/33

All: 81.692 $\pm$ 0.009 χ^2 /NDF: 1352303.7/69

- sign 81.761 $\pm$ 0.013 χ^2 /NDF: 698383.6/35

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



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

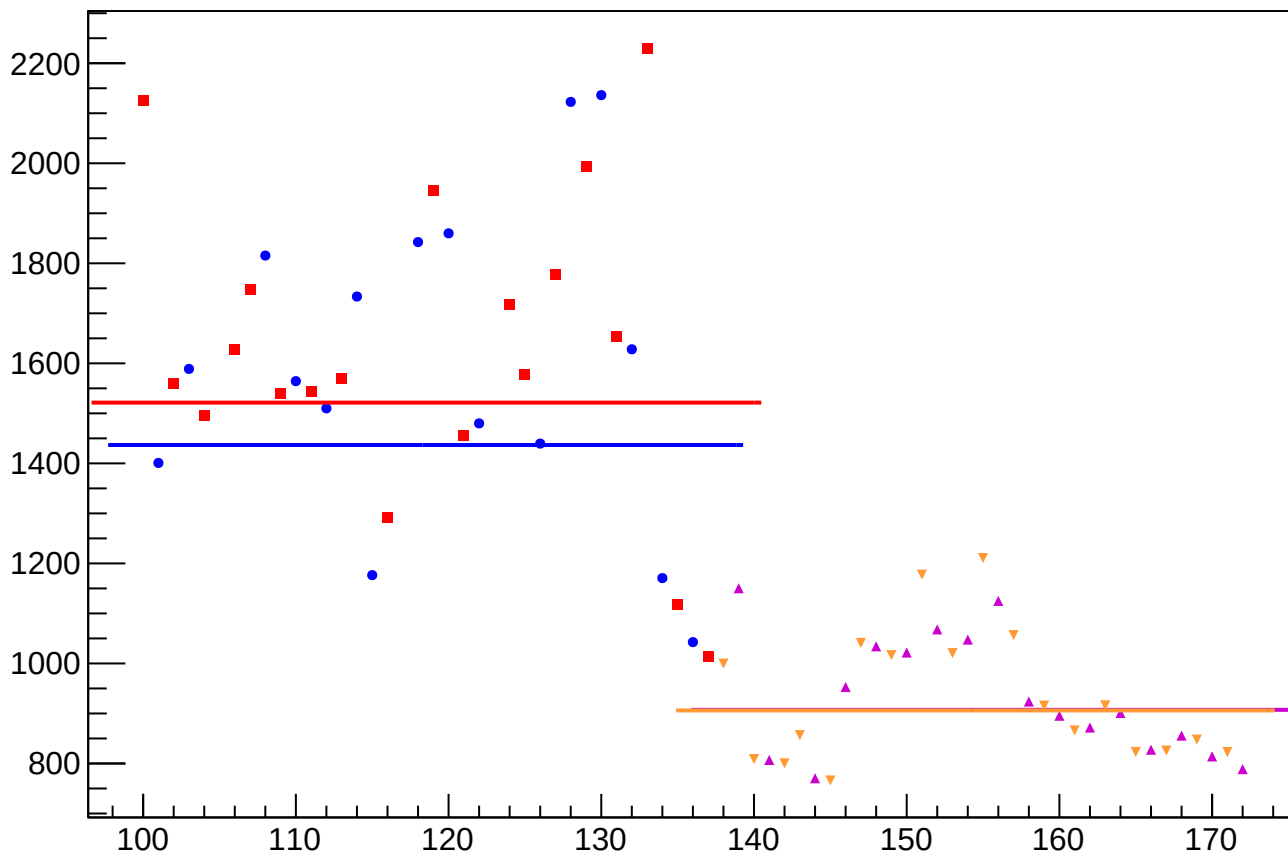
Left In: -56.680 ± 244.592 χ^2/NDF : 22.0/16

+ sign -1058.428 ± 222.158 χ^2/NDF : 71.2/33

All: -637.102 ± 158.001 χ^2/NDF : 115.3/69

- sign -205.861 ± 224.758 χ^2/NDF : 36.8/35

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1436.738 $\pm$ 0.389 χ^2 /NDF: 675680.8/15

Left Out: 906.075 $\pm$ 0.172 χ^2 /NDF: 461242.4/17

Right Out: 1521.496 $\pm$ 0.403 χ^2 /NDF: 498363.4/18

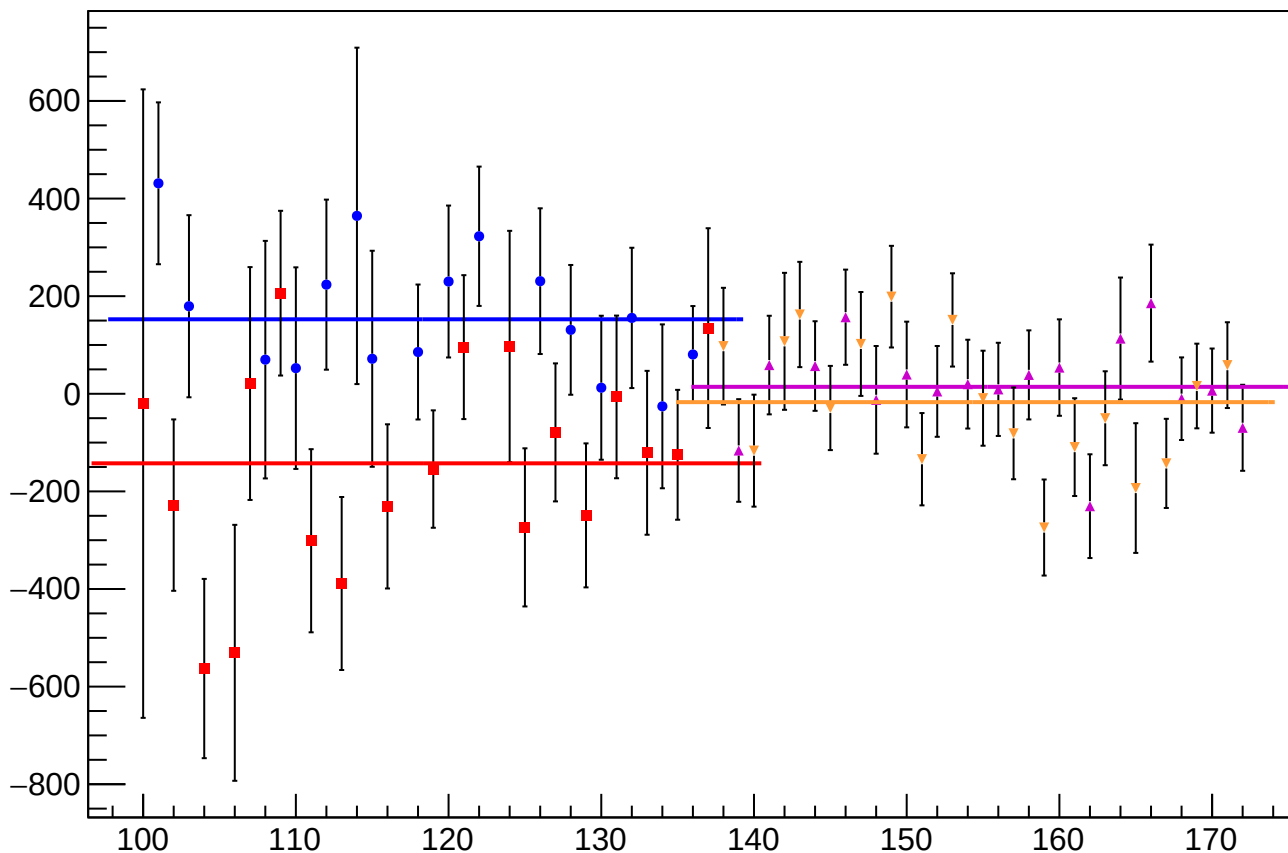
Left In: 907.269 $\pm$ 0.173 χ^2 /NDF: 420260.1/16

+ sign 992.589 $\pm$ 0.157 χ^2 /NDF: 2694044.0/33

All: 997.658 $\pm$ 0.112 χ^2 /NDF: 5577367.2/69

- sign 1002.846 $\pm$ 0.159 χ^2 /NDF: 2881216.4/35

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.626 $\pm$ 39.446 χ^2 /NDF: 8.6/15

Left Out: -17.129 $\pm$ 23.654 χ^2 /NDF: 28.2/17

Right Out: -142.496 $\pm$ 39.340 χ^2 /NDF: 22.9/18

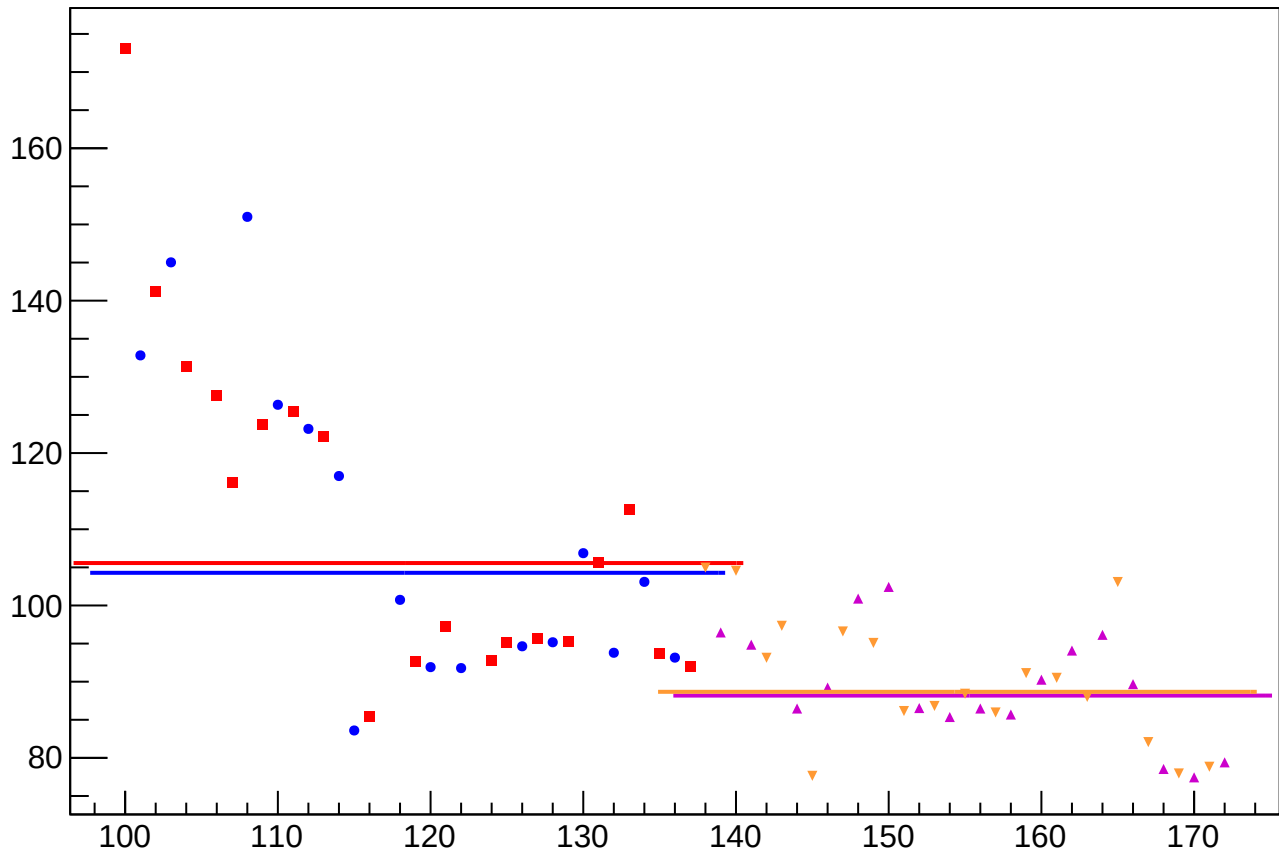
Left In: 14.231 $\pm$ 23.747 χ^2 /NDF: 13.4/16

+ sign 27.767 $\pm$ 20.286 χ^2 /NDF: 50.5/33

All: 0.131 $\pm$ 14.360 χ^2 /NDF: 102.2/69

- sign -27.624 $\pm$ 20.330 χ^2 /NDF: 48.0/35

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.286 $\pm$ 0.028 χ^2 /NDF: 378310.9/15

Left Out: 88.671 $\pm$ 0.017 χ^2 /NDF:237147.3/17

Right Out: 105.568 $\pm$ 0.028 χ^2 /NDF: 344605.9/18

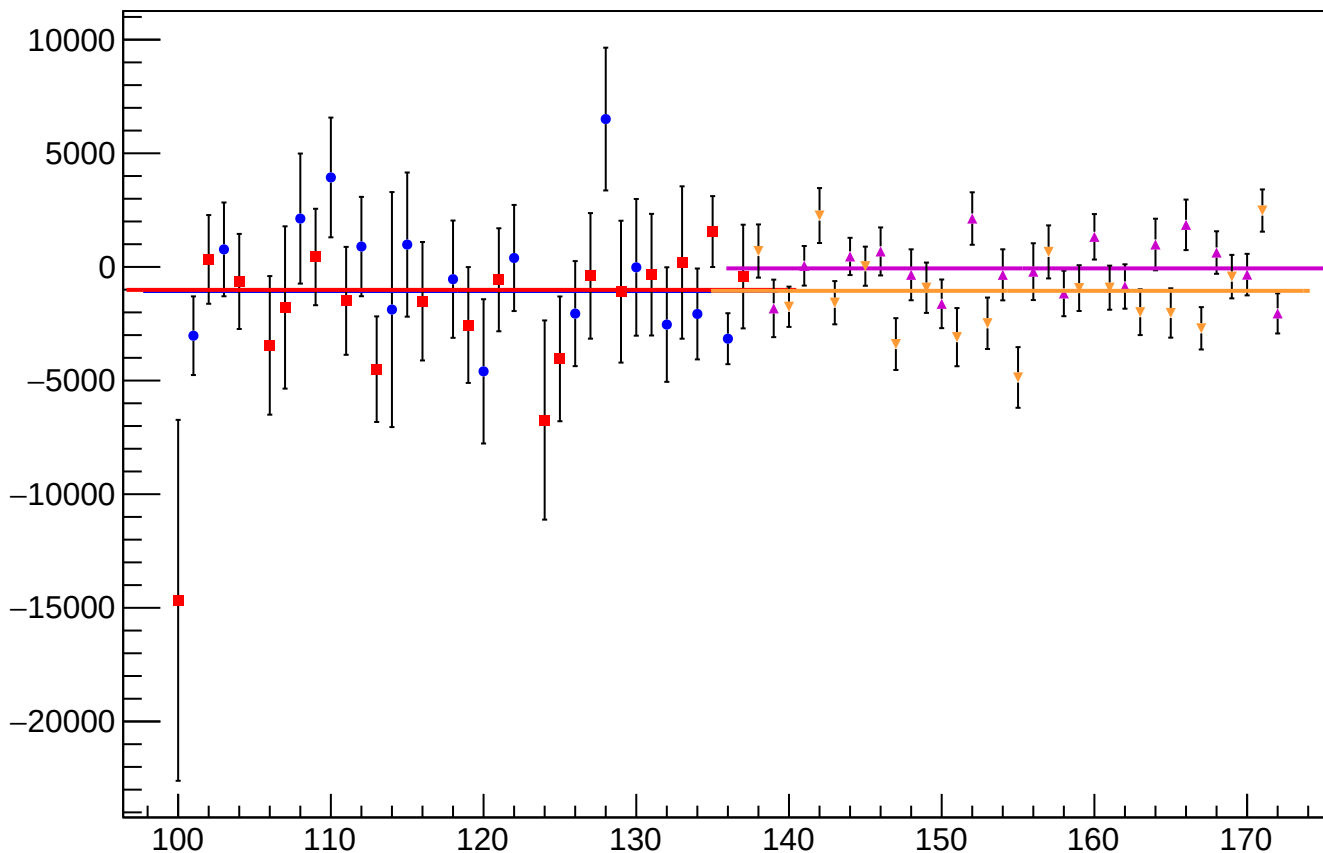
Left In: 88.176 $\pm$ 0.017 χ^2 /NDF:180183.7/16

+ sign 92.801 $\pm$ 0.014 χ^2 /NDF: 845982.4/33

All: 92.811 $\pm$ 0.010 χ^2 /NDF: 1657290.1/69

- sign 92.820 $\pm$ 0.014 χ^2 /NDF: 811306.7/35

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1059.357 $\pm$ 557.645 χ^2/NDF : 20.0/15

Left Out: -1051.919 $\pm$ 244.666 χ^2/NDF : 50.7/17

Right Out: -1009.907 $\pm$ 575.100 χ^2/NDF : 13.3/18

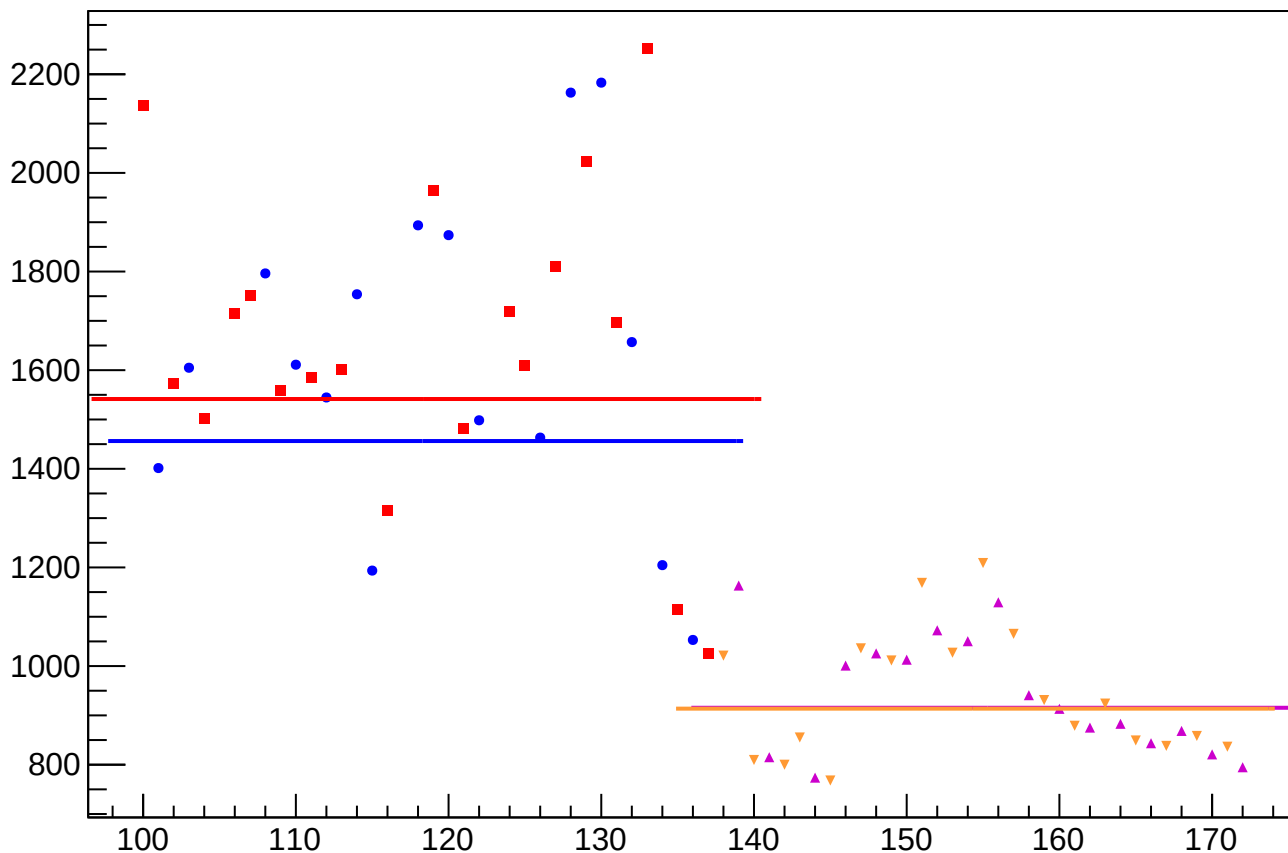
Left In: -64.246 $\pm$ 246.710 χ^2/NDF : 22.0/16

+ sign -1053.119 $\pm$ 224.050 χ^2/NDF : 70.7/33

All: -637.176 $\pm$ 159.366 χ^2/NDF : 115.3/69

- sign -211.227 $\pm$ 226.729 χ^2/NDF : 37.6/35

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

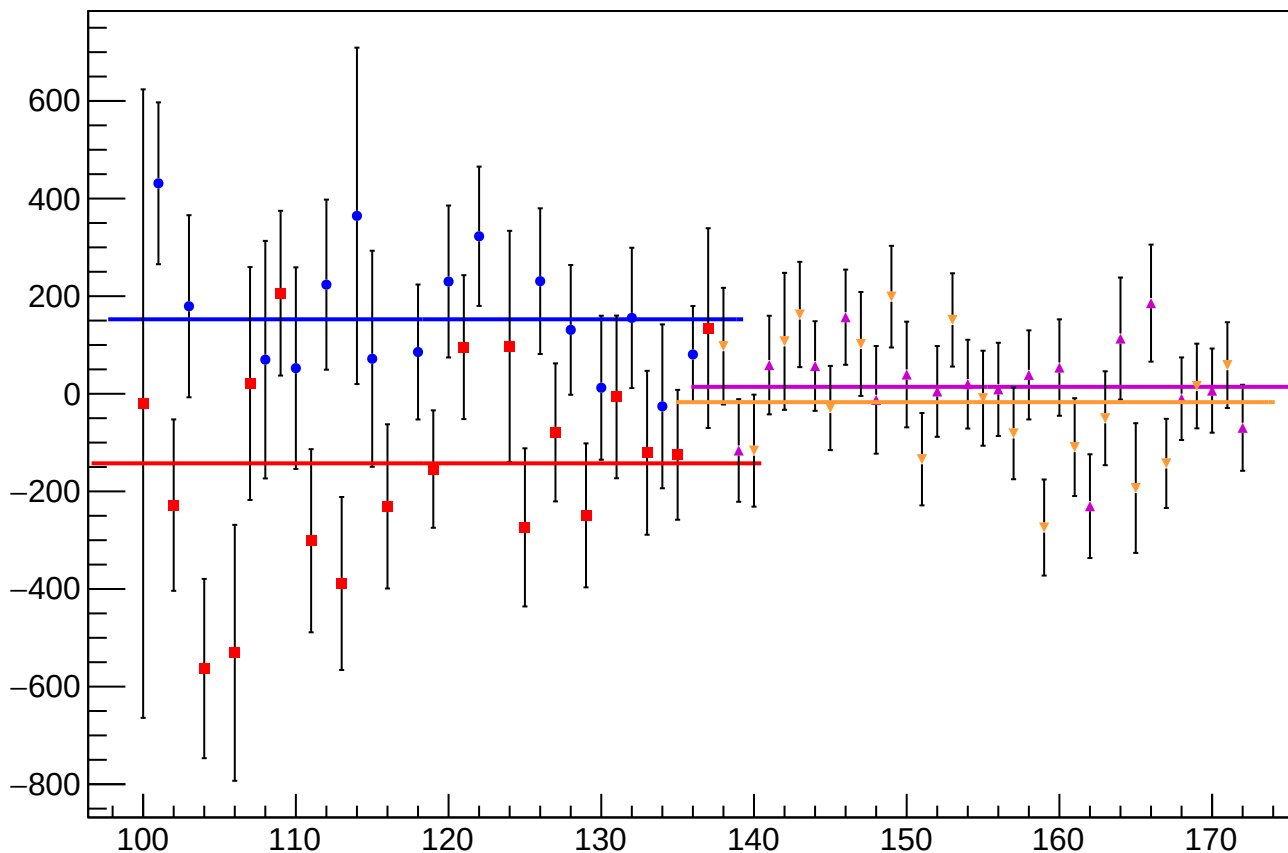
Left In: 915.444+/-0.174 χ^2/NDF : 414930.1/16

+ sign 1001.277+/-0.158 χ^2/NDF : 2713655.5/33

All: 1006.947+/-0.113 χ^2/NDF : 5652396.3/69

- sign 1012.753+/-0.160 χ^2/NDF : 2936148.2/35

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 152.628 $\pm$ 39.446 χ^2 /NDF: 8.6/15

Left Out: -17.129 $\pm$ 23.654 χ^2 /NDF: 28.2/17

Right Out: -142.494 $\pm$ 39.340 χ^2 /NDF: 22.9/18

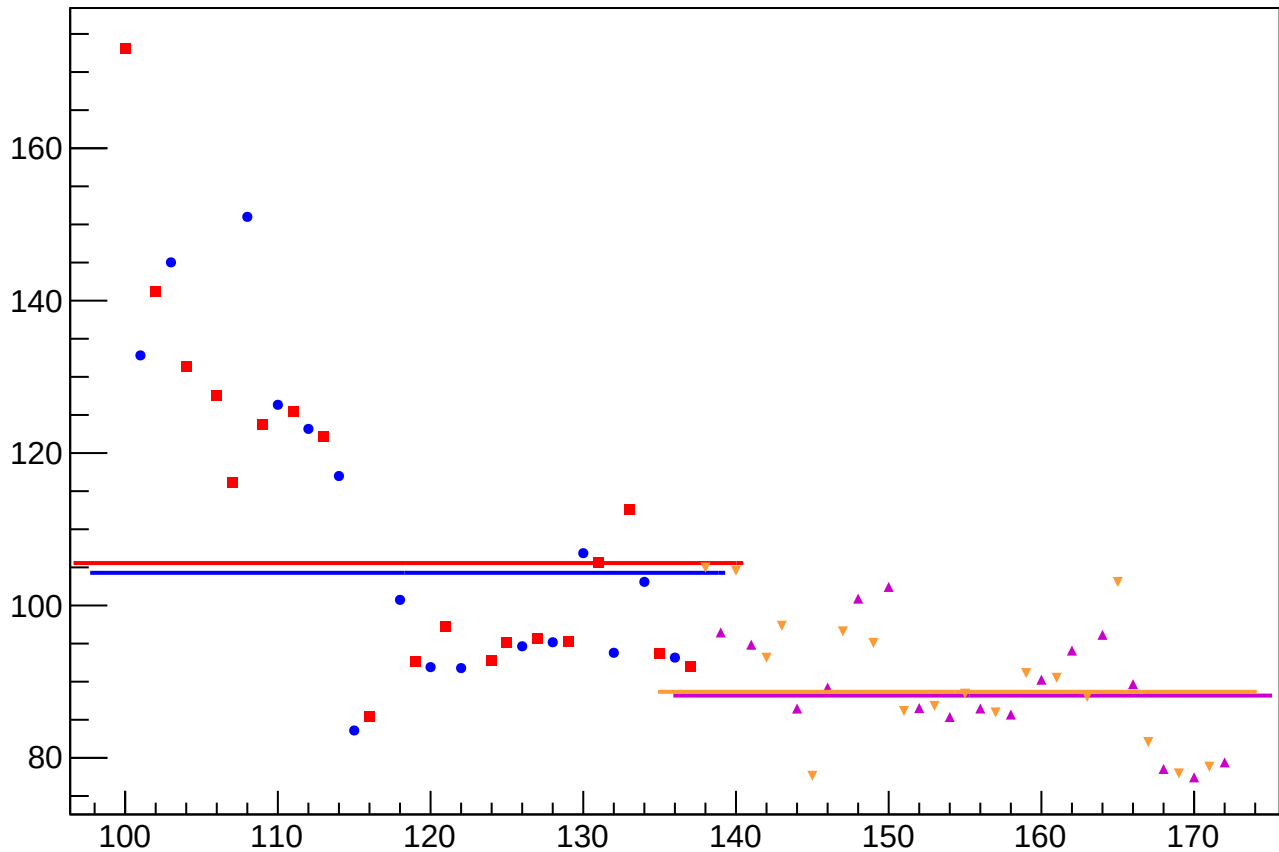
Left In: 14.231 $\pm$ 23.747 χ^2 /NDF: 13.4/16

+ sign 27.768 $\pm$ 20.286 χ^2 /NDF: 50.5/33

All: 0.132 $\pm$ 14.360 χ^2 /NDF: 102.2/69

- sign -27.624 $\pm$ 20.330 χ^2 /NDF: 48.0/35

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.285 $\pm$ 0.028 χ^2 /NDF: 378313.2/15

Left Out: 88.671 $\pm$ 0.017 χ^2 /NDF:237146.0/17

Right Out: 105.567 $\pm$ 0.028 χ^2 /NDF: 344605.1/18

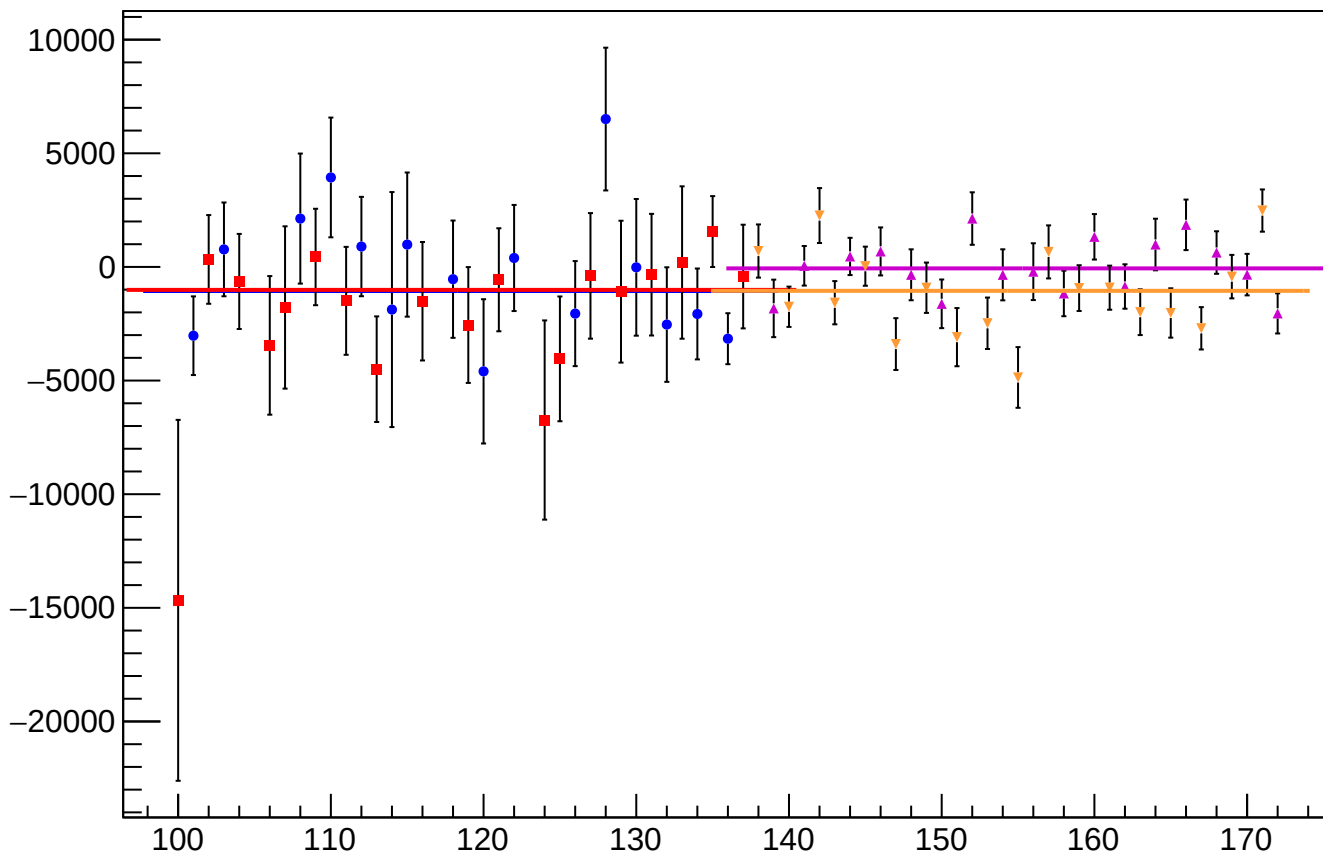
Left In: 88.176 $\pm$ 0.017 χ^2 /NDF:180184.5/16

+ sign 92.801 $\pm$ 0.014 χ^2 /NDF: 845954.6/33

All: 92.810 $\pm$ 0.010 χ^2 /NDF: 1657241.5/69

- sign 92.820 $\pm$ 0.014 χ^2 /NDF: 811286.0/35

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



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

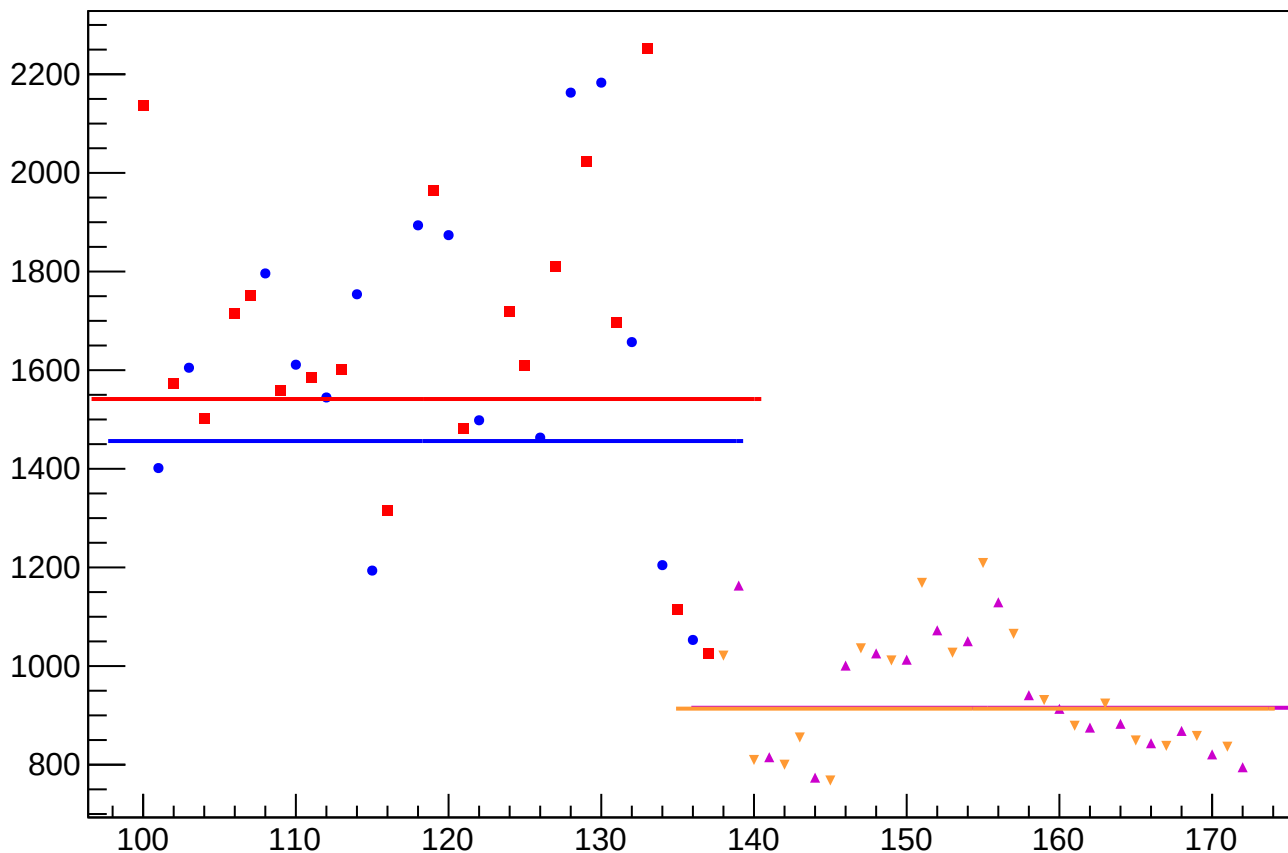
Left In: -64.244 ± 246.710 χ^2/NDF : 22.0/16

+ sign -1053.118 ± 224.049 χ^2/NDF : 70.7/33

All: -637.175 ± 159.366 χ^2/NDF : 115.3/69

- sign -211.226 ± 226.728 χ^2/NDF : 37.6/35

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



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

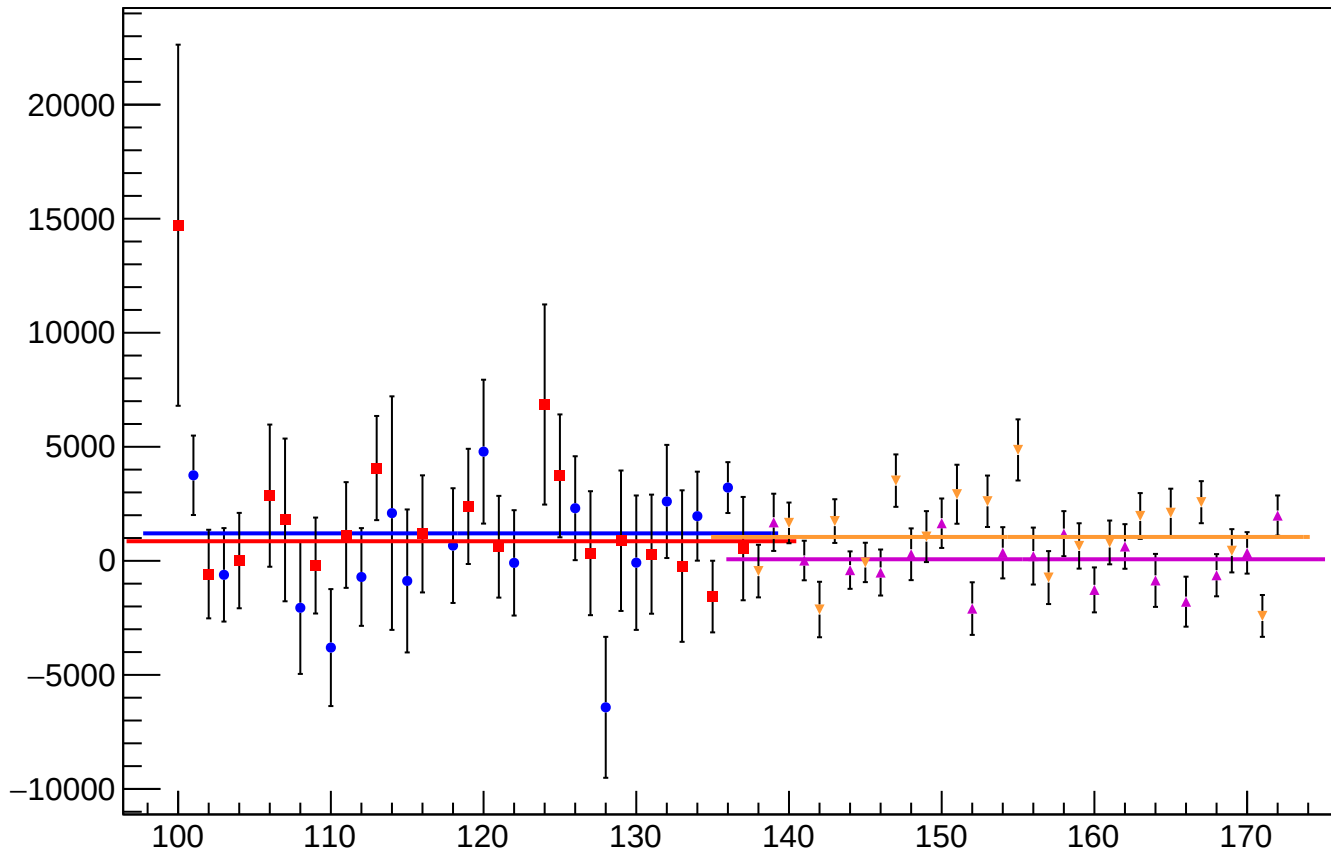
Left In: 915.443+/-0.174 χ^2/NDF : 414930.9/16

+ sign 1001.275+/-0.158 χ^2/NDF : 2713652.3/33

All: 1006.946+/-0.113 χ^2/NDF : 5652387.6/69

- sign 1012.752+/-0.160 χ^2/NDF : 2936142.6/35

asym_sam_24_68_dd_mean vs Slug



Right In: 1204.691 $\pm$ 551.729 χ^2 /NDF: 21.1/15

Left Out: 1047.633 $\pm$ 243.820 χ^2 /NDF: 49.7/17

Right Out: 859.290 $\pm$ 570.391 χ^2 /NDF: 12.5/18

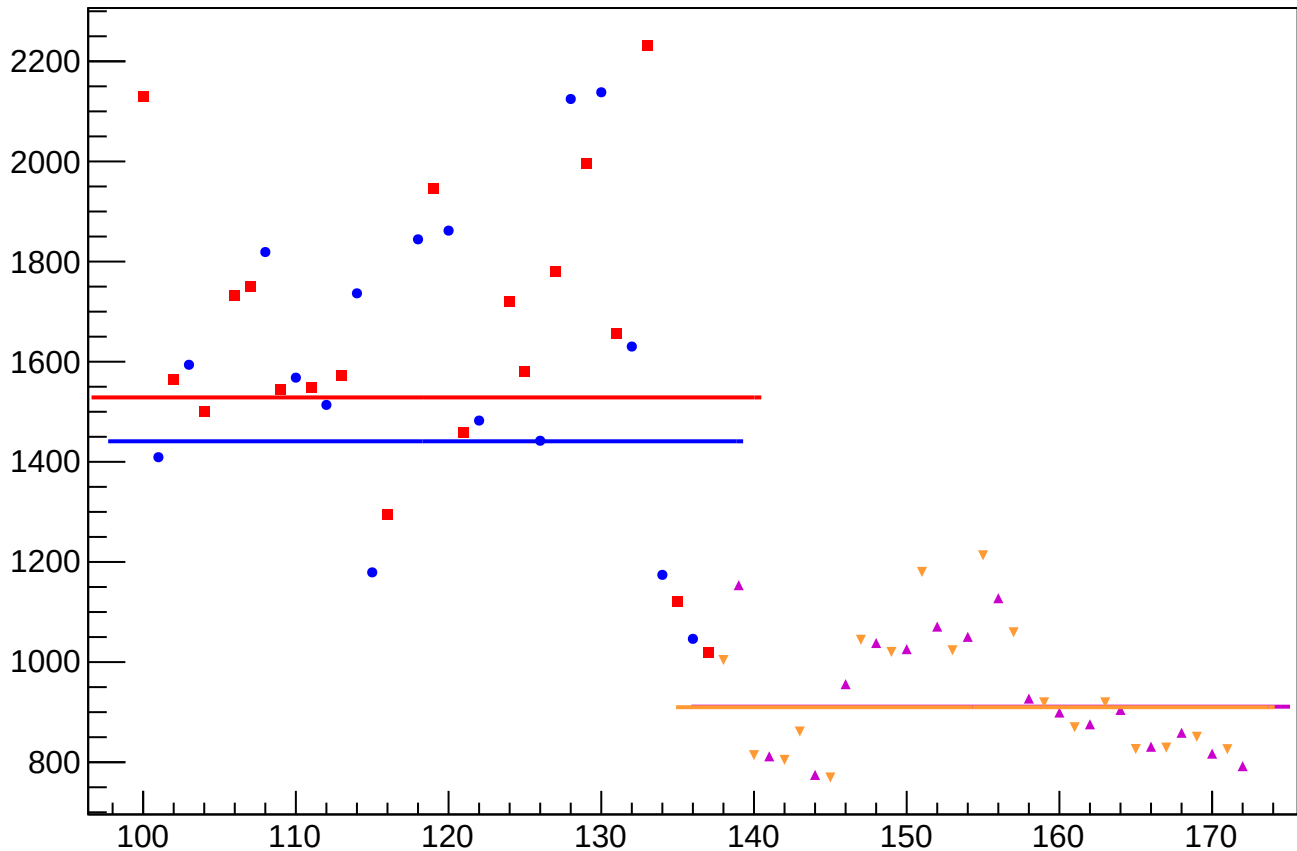
Left In: 69.082 $\pm$ 245.556 χ^2 /NDF: 20.5/16

+ sign 1073.294 $\pm$ 223.014 χ^2 /NDF: 71.0/33

All: 637.930 $\pm$ 158.581 χ^2 /NDF: 113.3/69

- sign 192.635 $\pm$ 225.543 χ^2 /NDF: 34.6/35

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

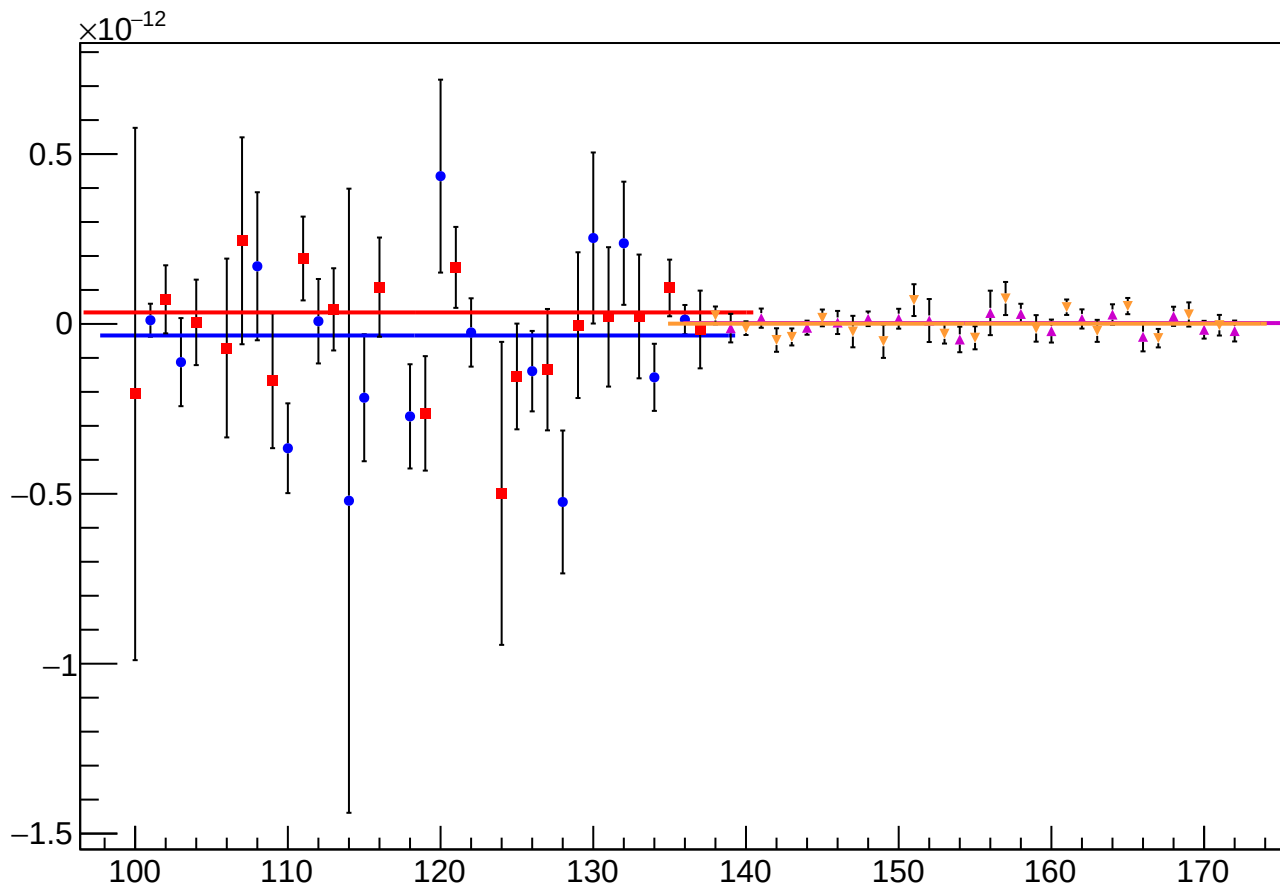
Left In: 910.950+/-0.174 χ^2/NDF : 415393.1/16

+ sign 996.666+/-0.158 χ^2/NDF : 2677100.1/33

All: 1002.038+/-0.112 χ^2/NDF : 5575354.3/69

- sign 1007.531+/-0.159 χ^2/NDF : 2895907.5/35

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



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

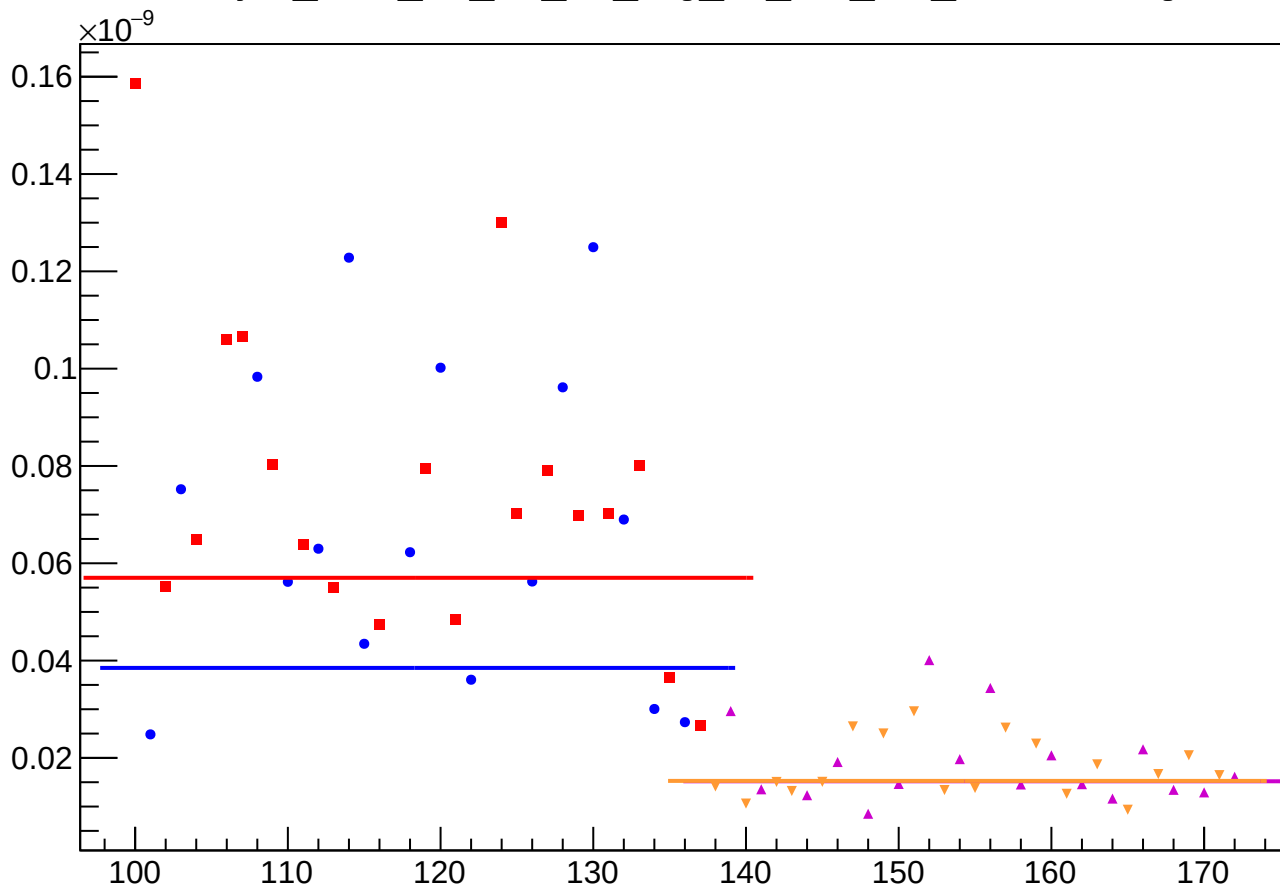
Left In: 0.000 ± 0.000 χ^2/NDF : 7.9/16

+ sign -0.000 ± 0.000 χ^2/NDF : 56.6/33

All: 0.000 ± 0.000 χ^2/NDF : 78.7/69

- sign 0.000 ± 0.000 χ^2/NDF : 21.7/35

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 921603.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 660994.1/18

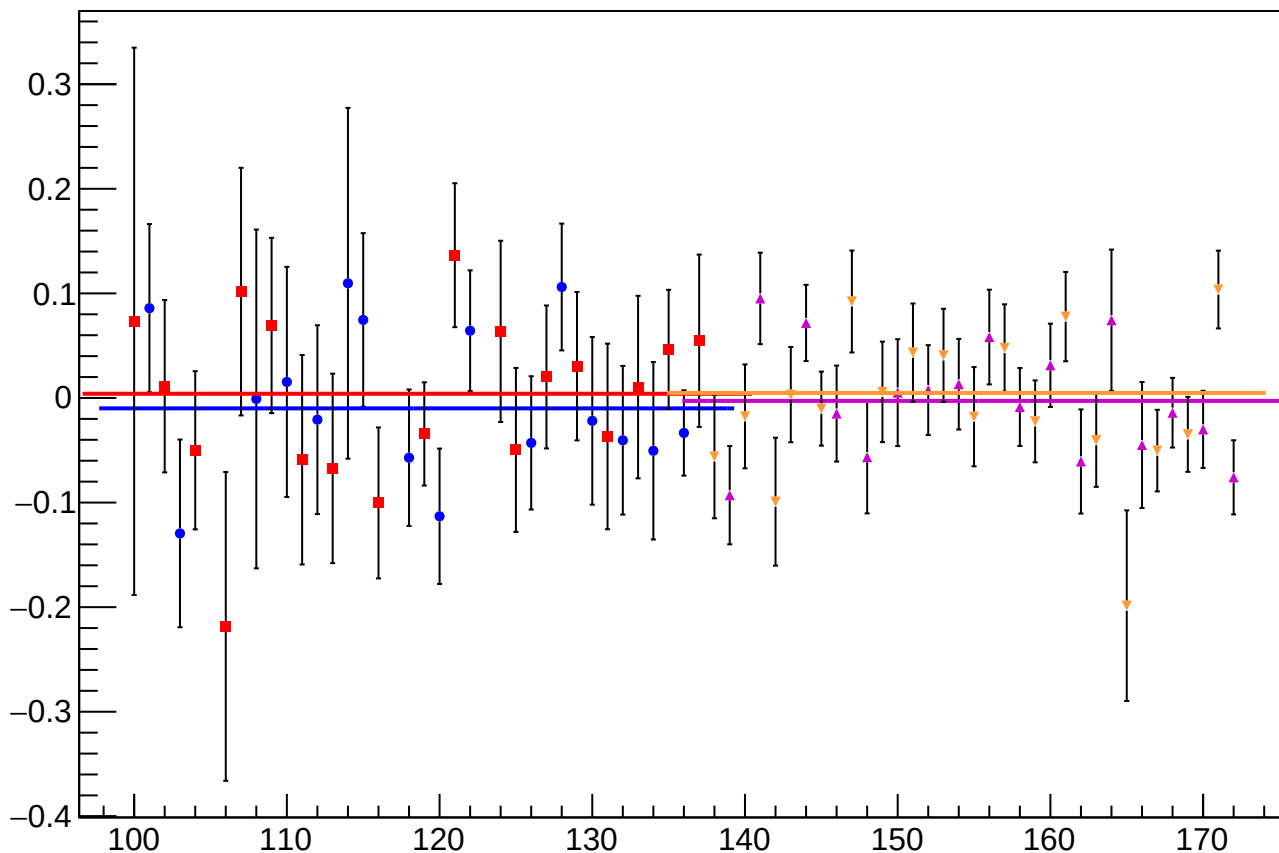
Left In: 0.000+/-0.000 χ^2/NDF : 1163050.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 3897799.8/33

All: 0.000+/-0.000 χ^2/NDF : 8644358.5/69

- sign 0.000+/-0.000 χ^2/NDF : 4746088.5/35

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

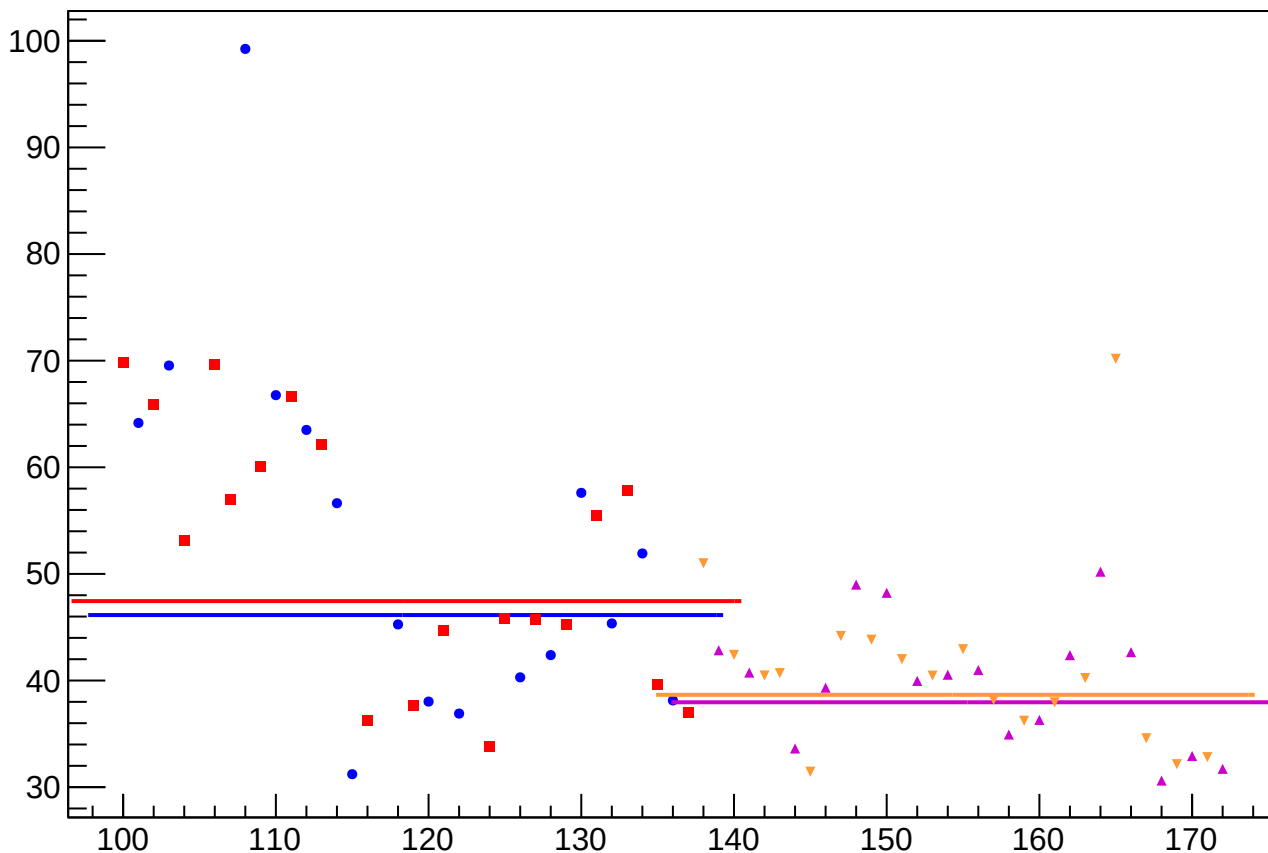
Left In: -0.003 ± 0.010 χ^2/NDF : 24.8/16

+ sign 0.001 ± 0.009 χ^2/NDF : 44.6/33

All: -0.000 ± 0.006 χ^2/NDF : 83.4/69

- sign -0.001 ± 0.009 χ^2/NDF : 38.8/35

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 0.013 χ^2 /NDF: 903280.2/15

Left Out: 38.660 $\pm$ 0.007 χ^2 /NDF: 653176.8/17

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

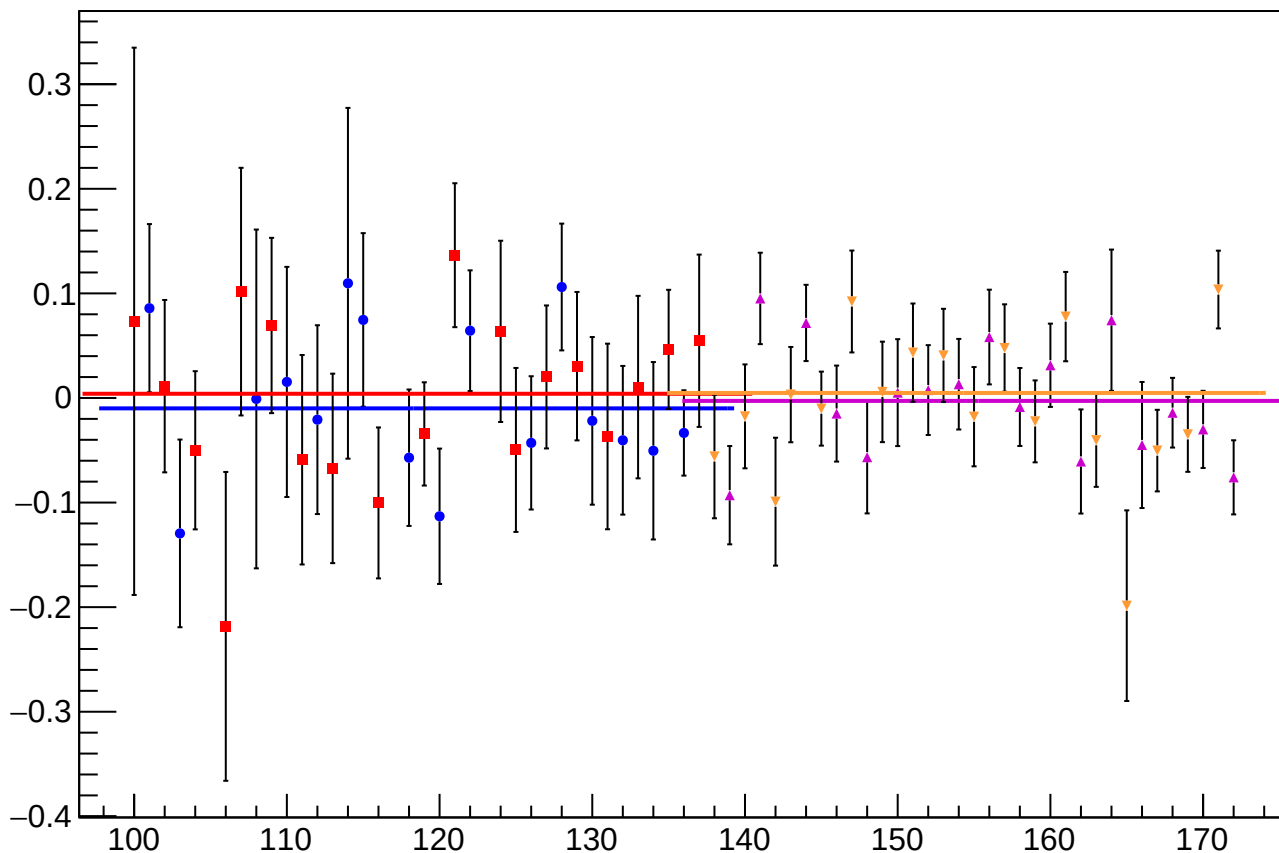
Left In: 37.961 $\pm$ 0.007 χ^2 /NDF: 552013.9/16

+ sign 40.564 $\pm$ 0.006 χ^2 /NDF: 1814221.1/33

All: 40.447 $\pm$ 0.005 χ^2 /NDF: 3434253.3/69

- sign 40.331 $\pm$ 0.006 χ^2 /NDF: 1619372.1/35

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 14.2/15$

Left Out: 0.005 ± 0.011 $\chi^2/\text{NDF}: 29.9/17$

Right Out: 0.004 ± 0.018 $\chi^2/\text{NDF}: 13.9/18$

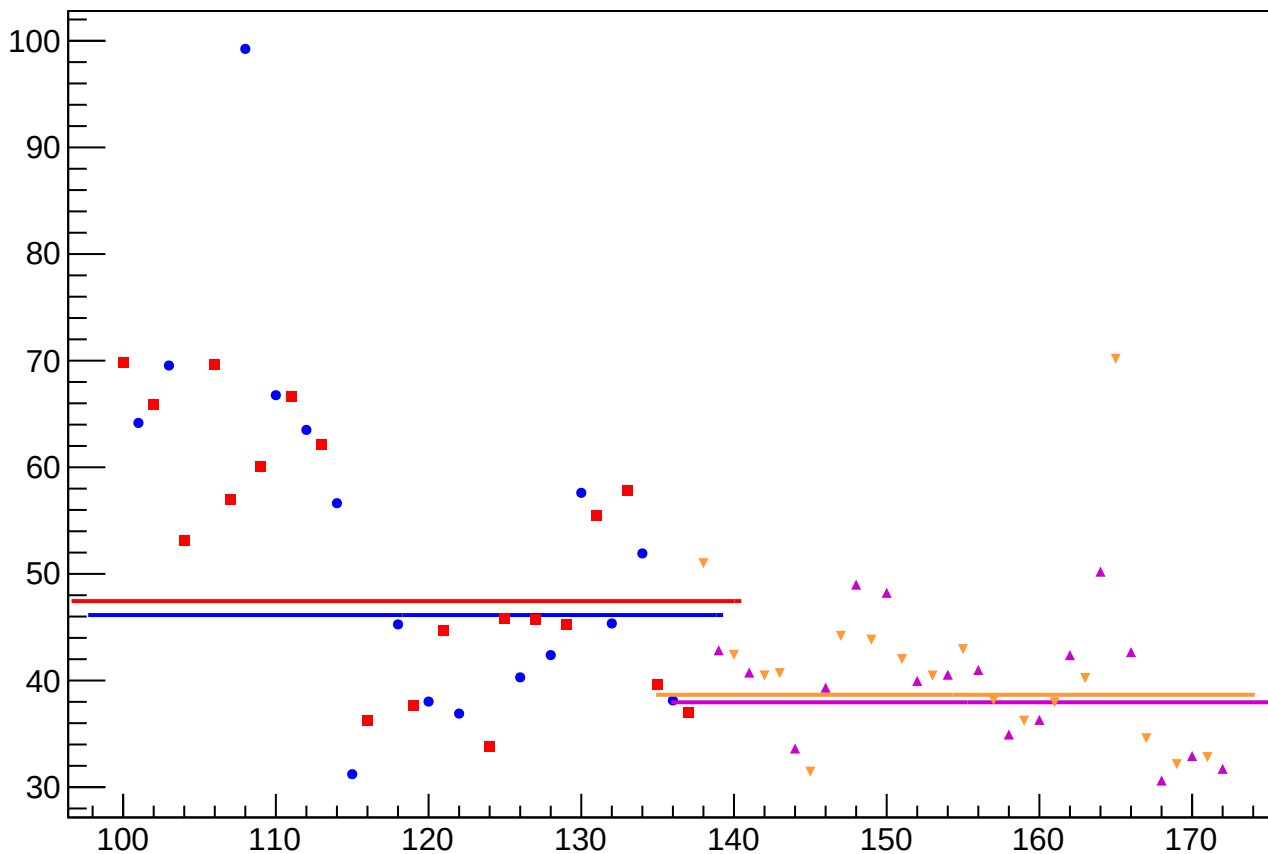
Left In: -0.003 ± 0.010 $\chi^2/\text{NDF}: 24.8/16$

+ sign 0.001 ± 0.009 $\chi^2/\text{NDF}: 44.6/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 83.4/69$

- sign -0.001 ± 0.009 $\chi^2/\text{NDF}: 38.8/35$

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.141 $\pm$ 0.013 χ^2 /NDF: 903280.2/15

Left Out: 38.660 $\pm$ 0.007 χ^2 /NDF: 653176.8/17

Right Out: 47.450 $\pm$ 0.013 χ^2 /NDF: 654693.6/18

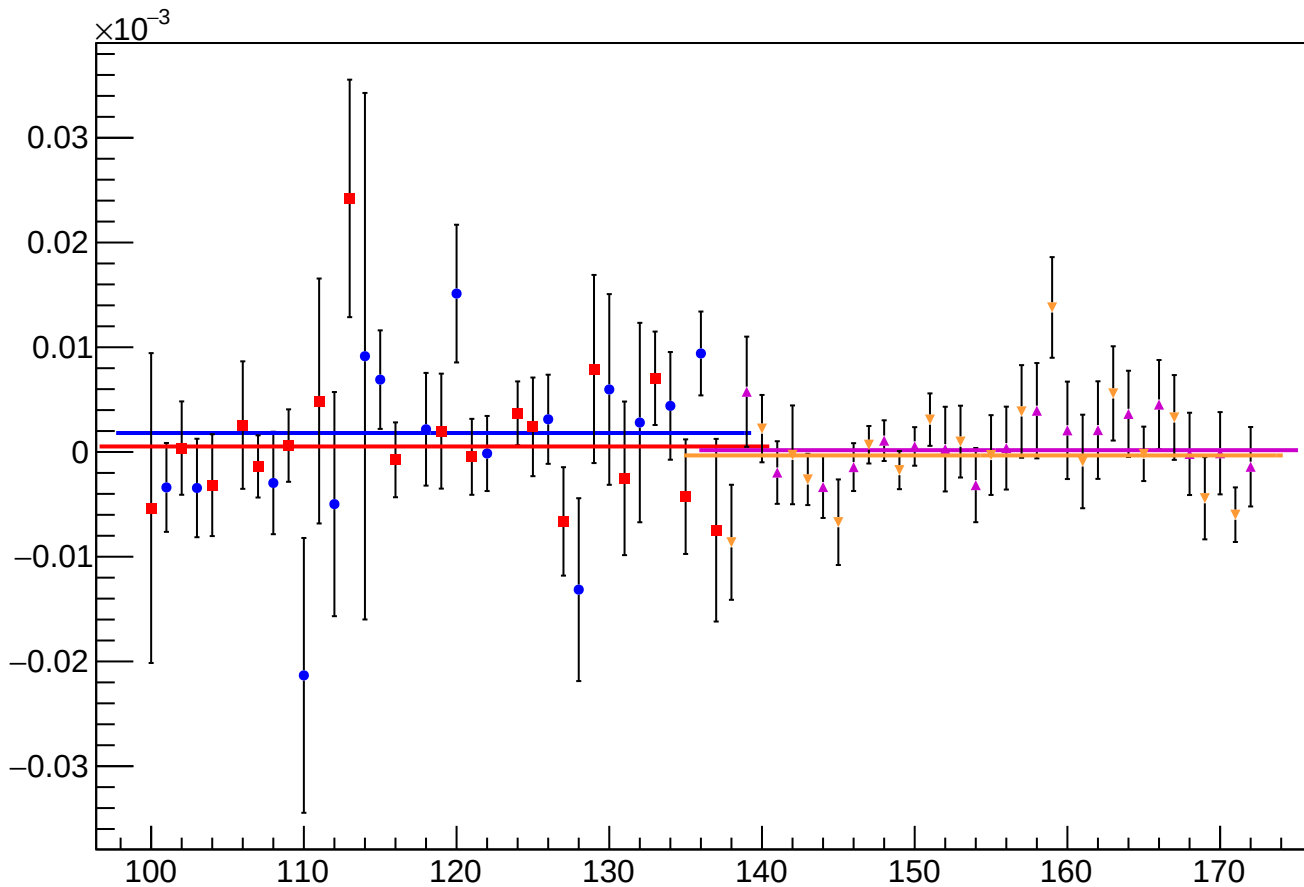
Left In: 37.961 $\pm$ 0.007 χ^2 /NDF: 552013.9/16

+ sign 40.564 $\pm$ 0.006 χ^2 /NDF: 1814221.1/33

All: 40.447 $\pm$ 0.005 χ^2 /NDF: 3434253.3/69

- sign 40.331 $\pm$ 0.006 χ^2 /NDF: 1619372.1/35

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 20.0/15

Left Out: -0.000 $\pm$ 0.000 χ^2/NDF : 27.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 13.8/18

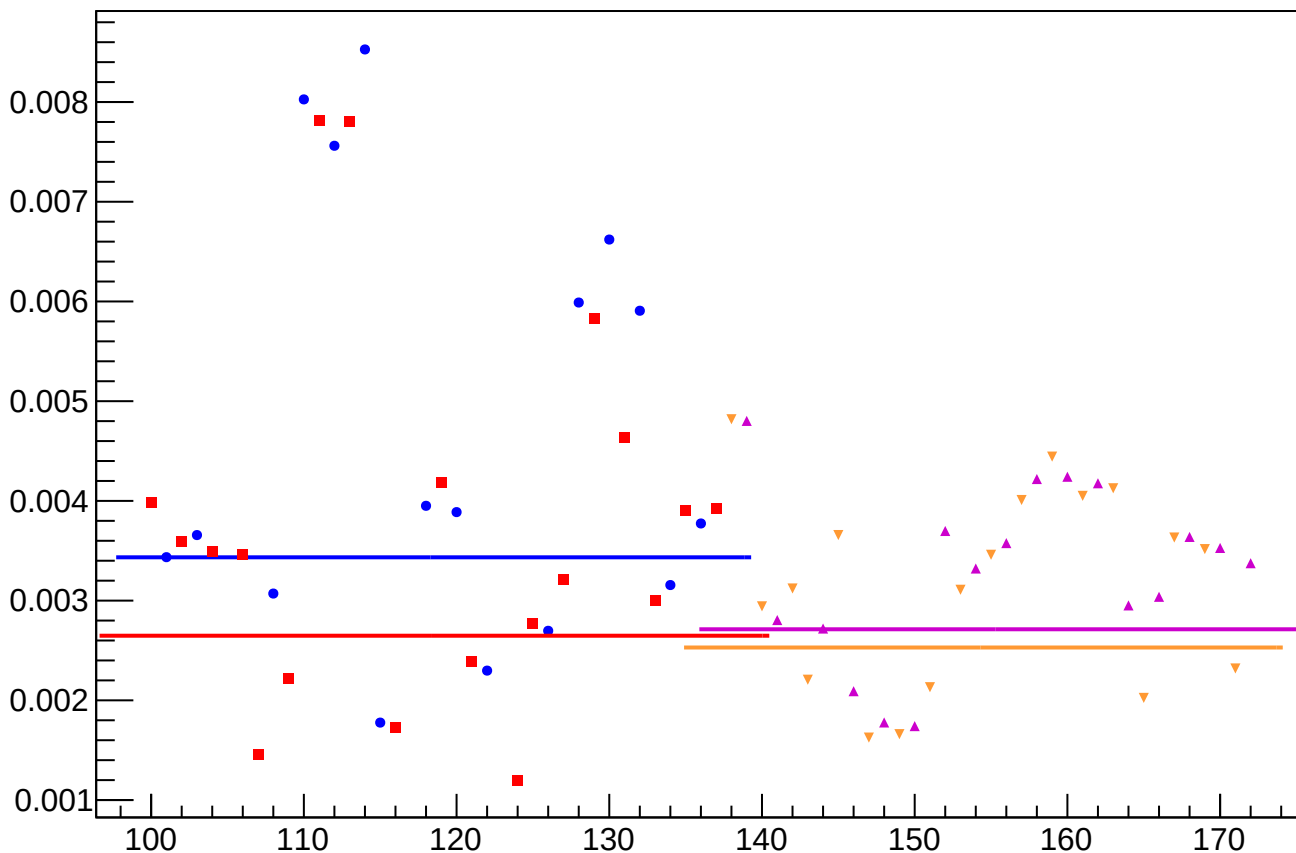
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 7.7/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 49.0/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 70.5/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.5/35

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1748561.6/15

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:3180863.3/17

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2696872.6/18

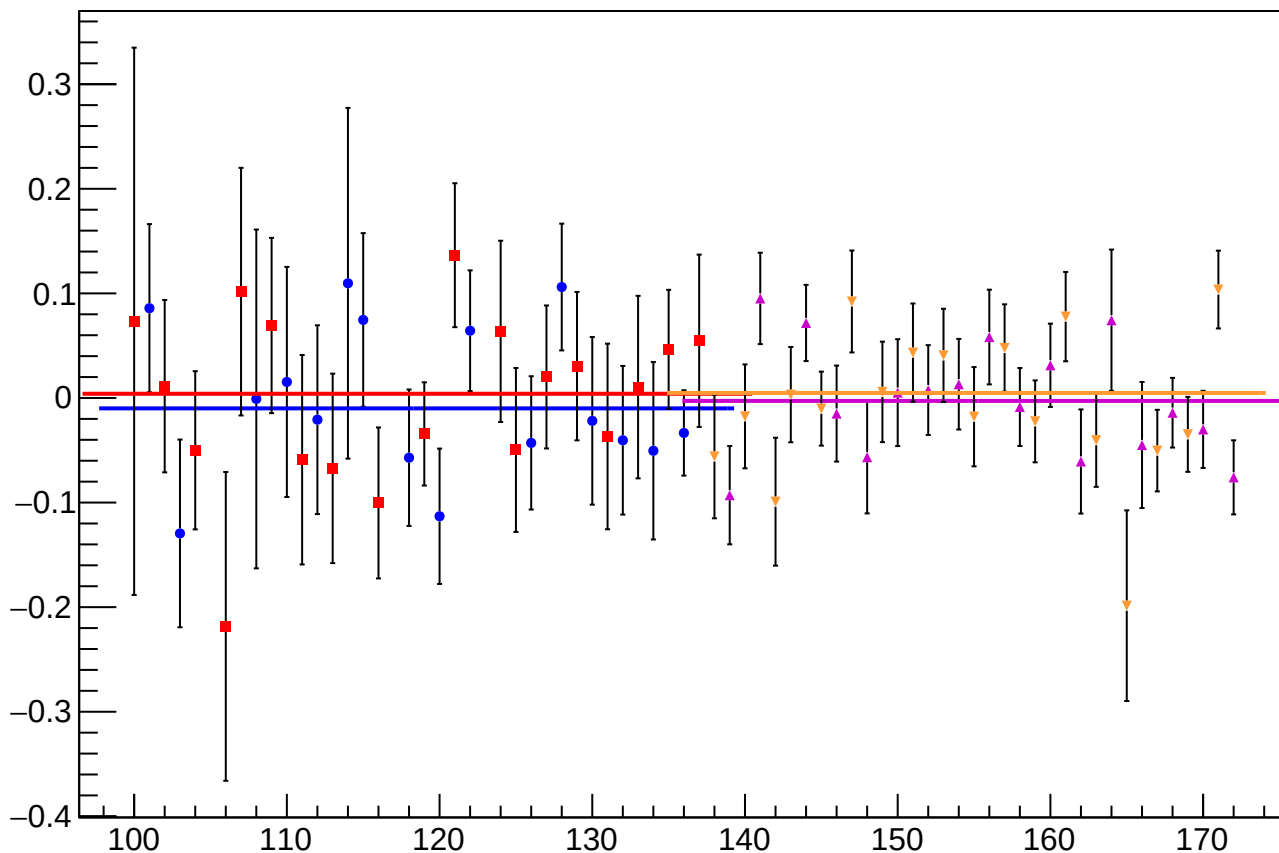
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:2667622.7/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5611899.7/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 10983756.3/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5369167.8/35

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010 ± 0.018 $\chi^2/\text{NDF}: 14.2/15$

Left Out: 0.005 ± 0.011 $\chi^2/\text{NDF}: 29.9/17$

Right Out: 0.004 ± 0.018 $\chi^2/\text{NDF}: 13.9/18$

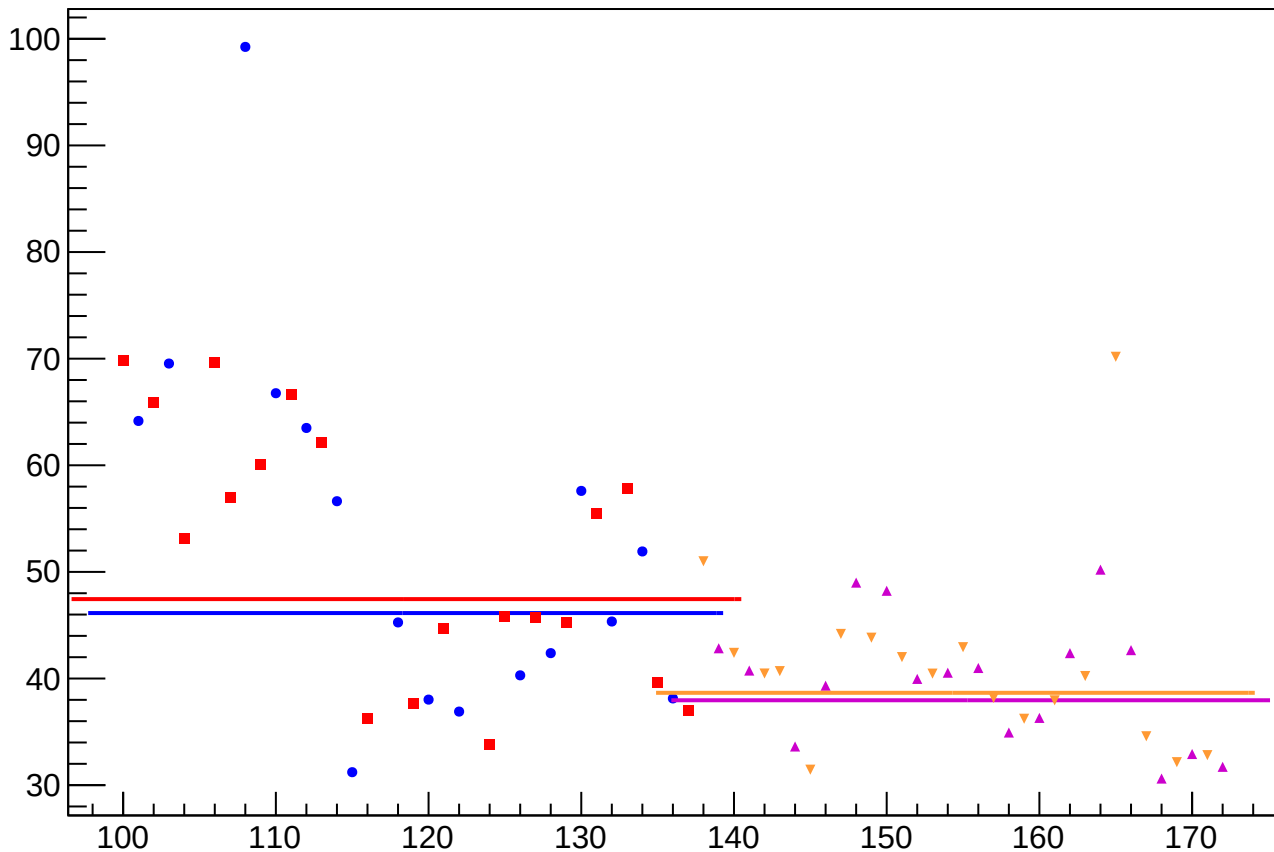
Left In: -0.003 ± 0.010 $\chi^2/\text{NDF}: 24.8/16$

+ sign 0.001 ± 0.009 $\chi^2/\text{NDF}: 44.6/33$

All: -0.000 ± 0.006 $\chi^2/\text{NDF}: 83.4/69$

- sign -0.001 ± 0.009 $\chi^2/\text{NDF}: 38.8/35$

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.140 $\pm$ 0.013 χ^2 /NDF: 903251.1/15

Left Out: 38.660 $\pm$ 0.007 χ^2 /NDF: 653214.9/17

Right Out: 47.448 $\pm$ 0.013 χ^2 /NDF: 654687.8/18

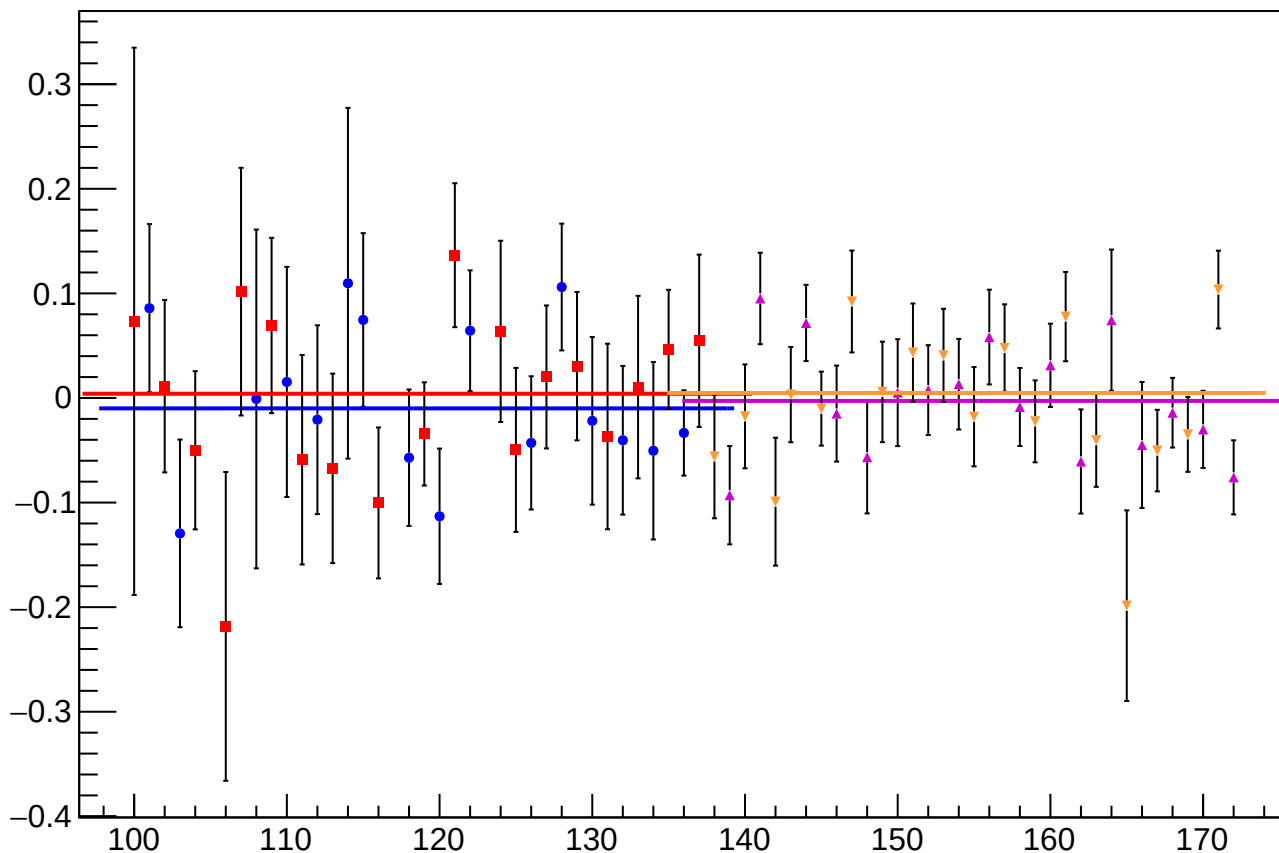
Left In: 37.961 $\pm$ 0.007 χ^2 /NDF: 552063.9/16

+ sign 40.564 $\pm$ 0.006 χ^2 /NDF: 1814131.1/33

All: 40.447 $\pm$ 0.005 χ^2 /NDF: 3434136.4/69

- sign 40.331 $\pm$ 0.006 χ^2 /NDF: 1619344.6/35

asym_sam_24_68_dd_eigen_dit_vs_eigen_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

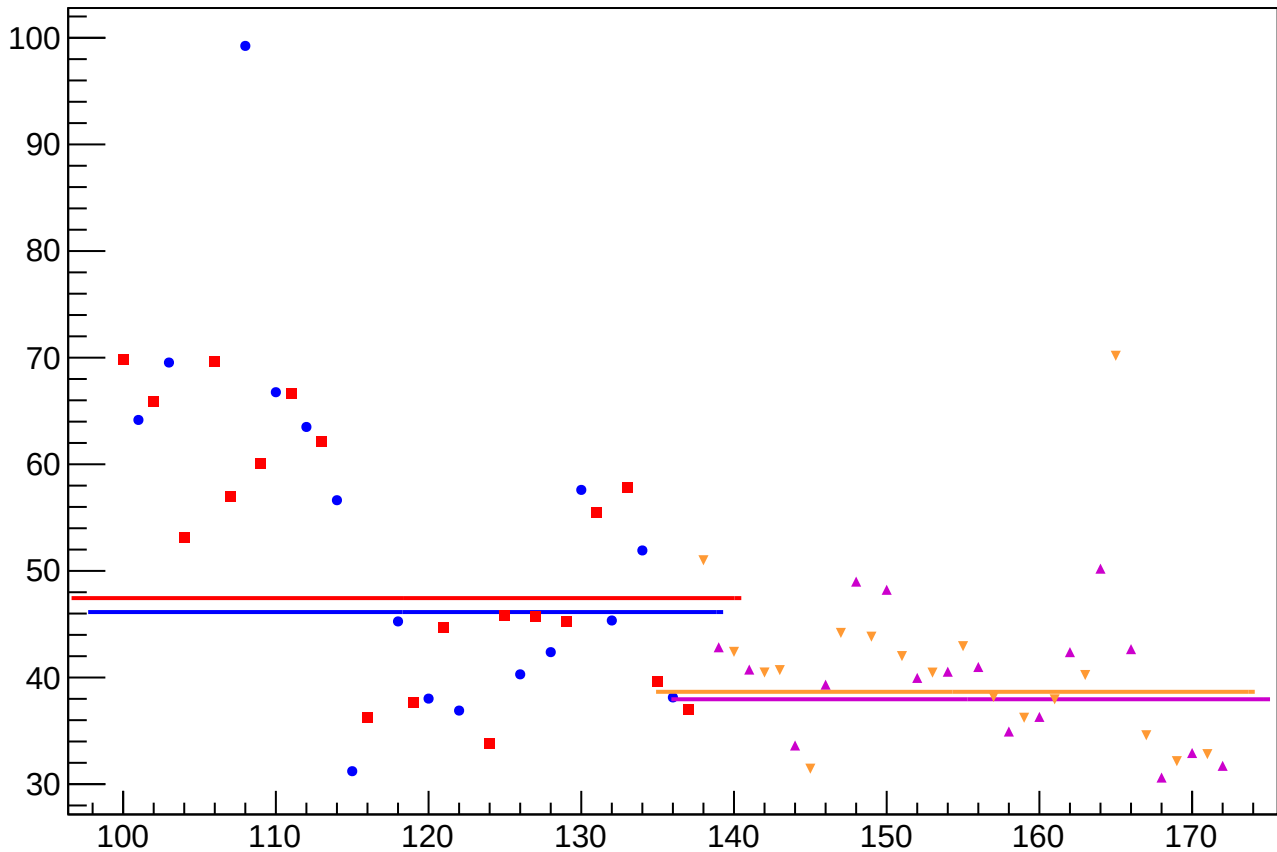
Left In: -0.003 ± 0.010 χ^2/NDF : 24.8/16

+ sign 0.001 ± 0.009 χ^2/NDF : 44.6/33

All: -0.000 ± 0.006 χ^2/NDF : 83.4/69

- sign -0.001 ± 0.009 χ^2/NDF : 38.8/35

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.140 $\pm$ 0.013 χ^2/NDF : 903251.1/15

Left Out: 38.660 $\pm$ 0.007 χ^2/NDF : 653214.9/17

Right Out: 47.448 $\pm$ 0.013 χ^2/NDF : 654687.8/18

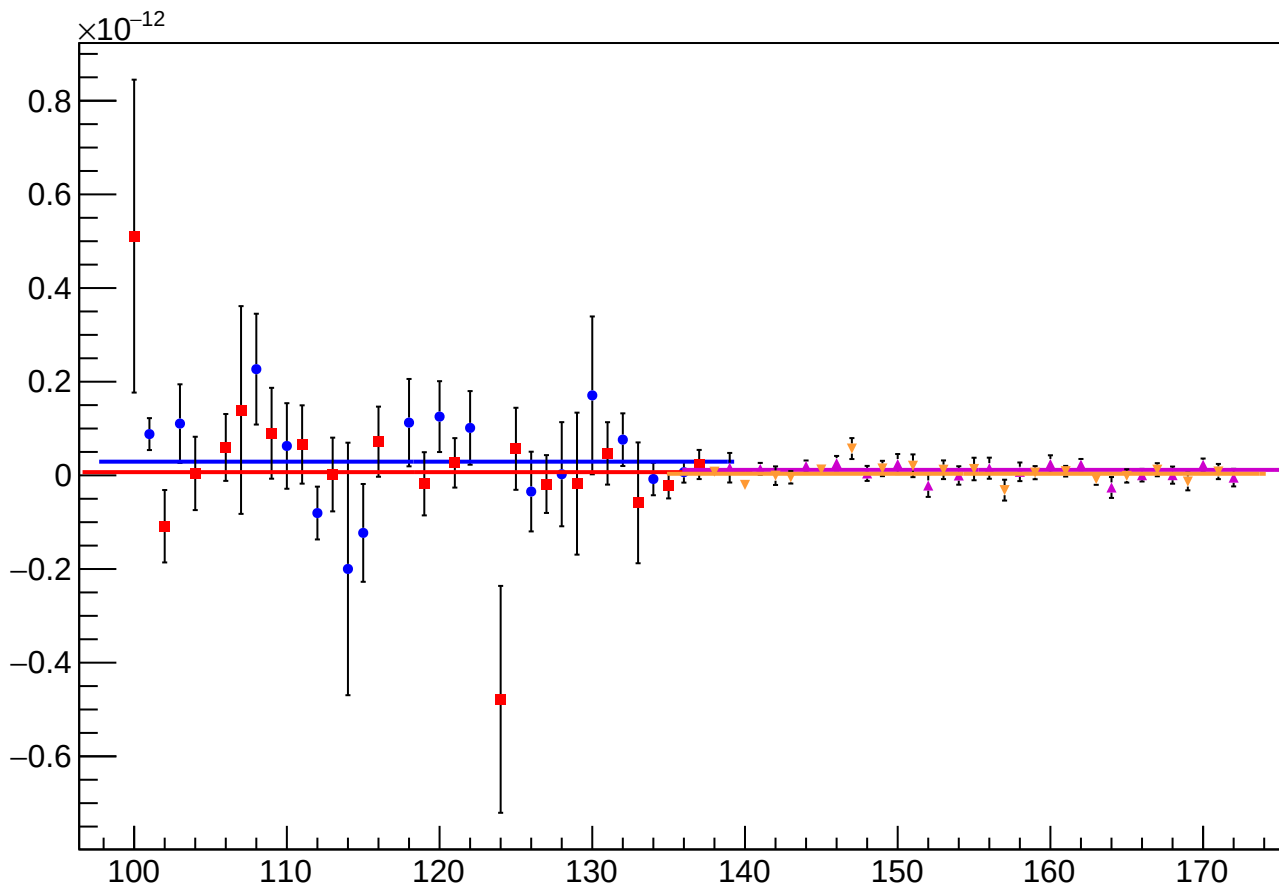
Left In: 37.961 $\pm$ 0.007 χ^2/NDF : 552063.9/16

+ sign 40.564 $\pm$ 0.006 χ^2/NDF : 1814131.1/33

All: 40.447 $\pm$ 0.005 χ^2/NDF : 3434136.4/69

- sign 40.331 $\pm$ 0.006 χ^2/NDF : 1619344.6/35

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.3/18

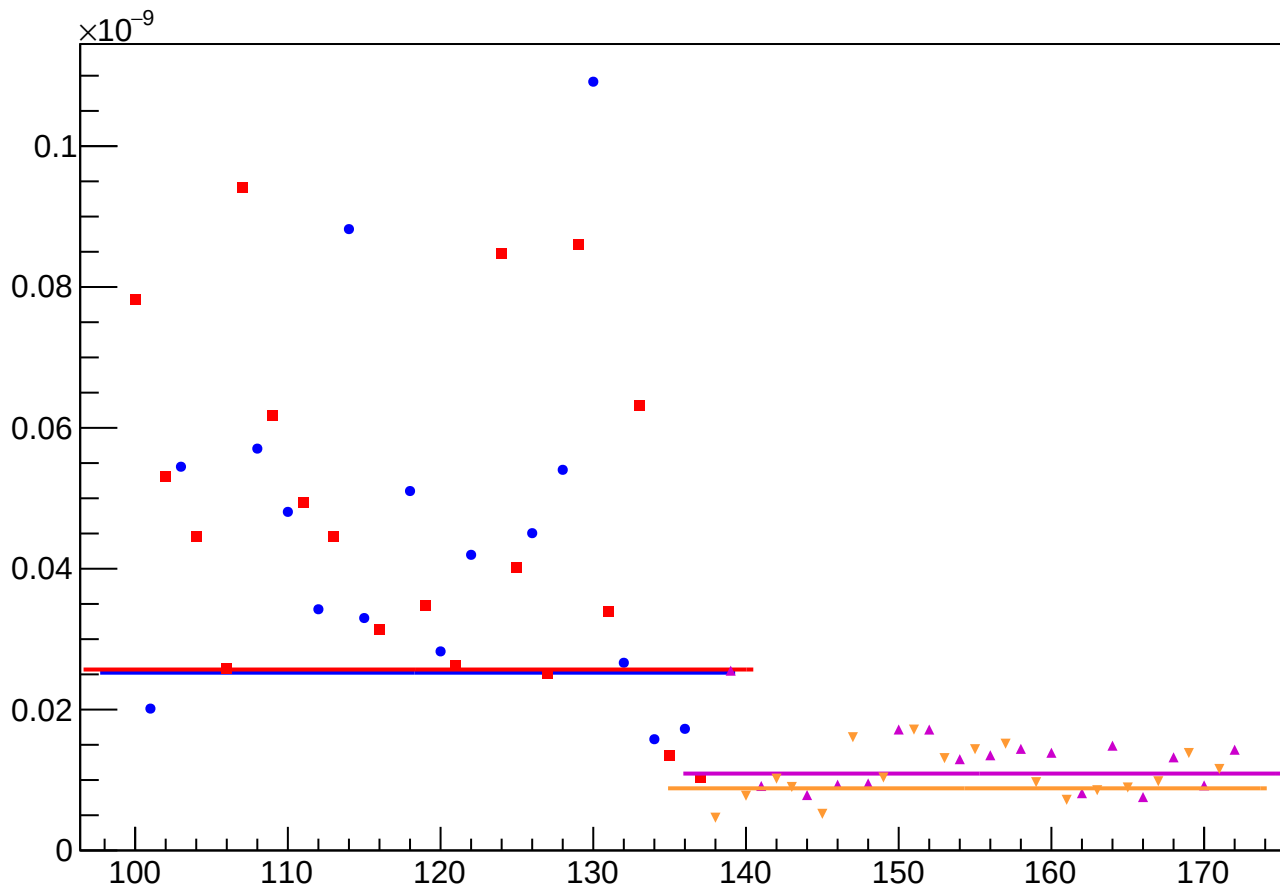
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:11.0/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.9/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.3/35

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2117960.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1764187.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2790840.2/18

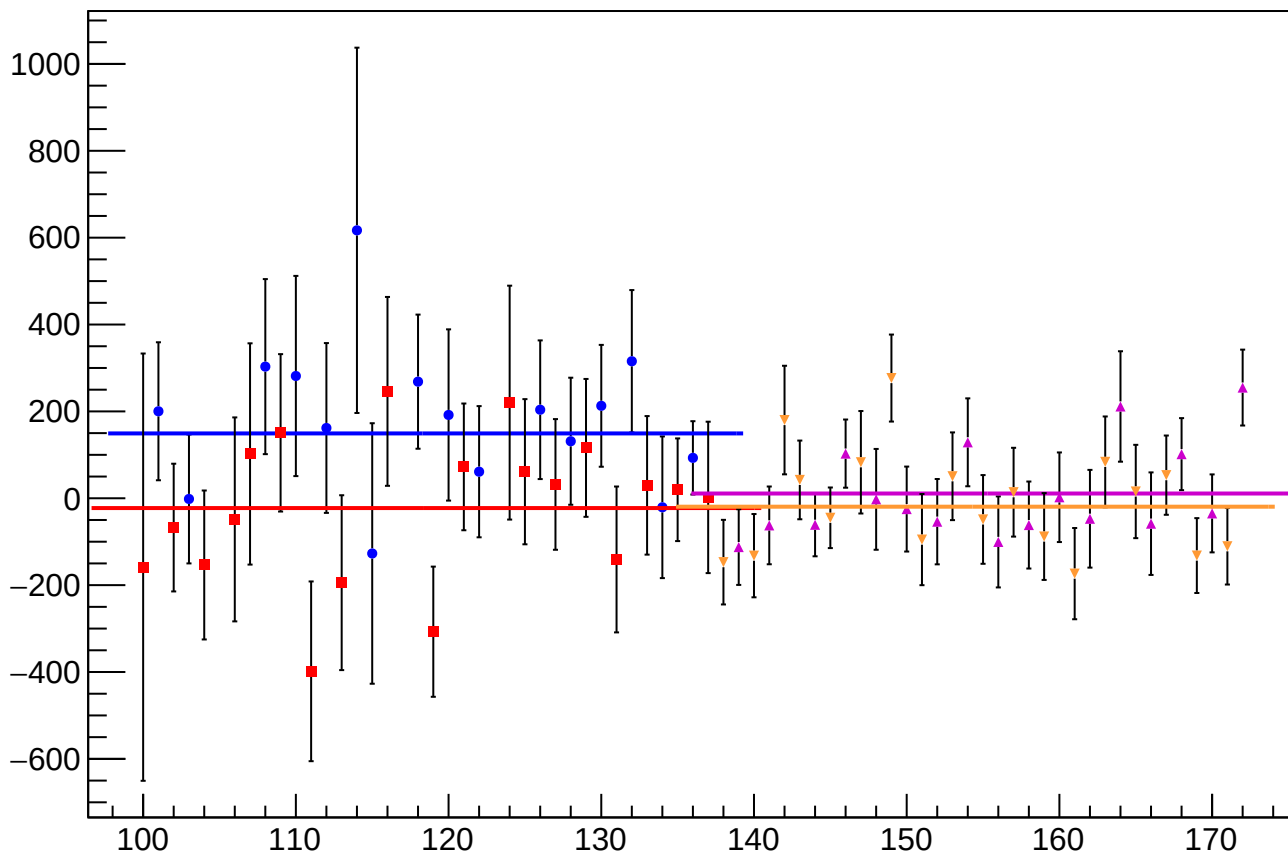
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1517362.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6661123.0/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13318498.1/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6275884.9/35

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 149.303 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -19.398 $\pm$ 22.880 χ^2 /NDF:24.0/17

Right Out: -22.549 $\pm$ 40.100 χ^2 /NDF: 14.2/18

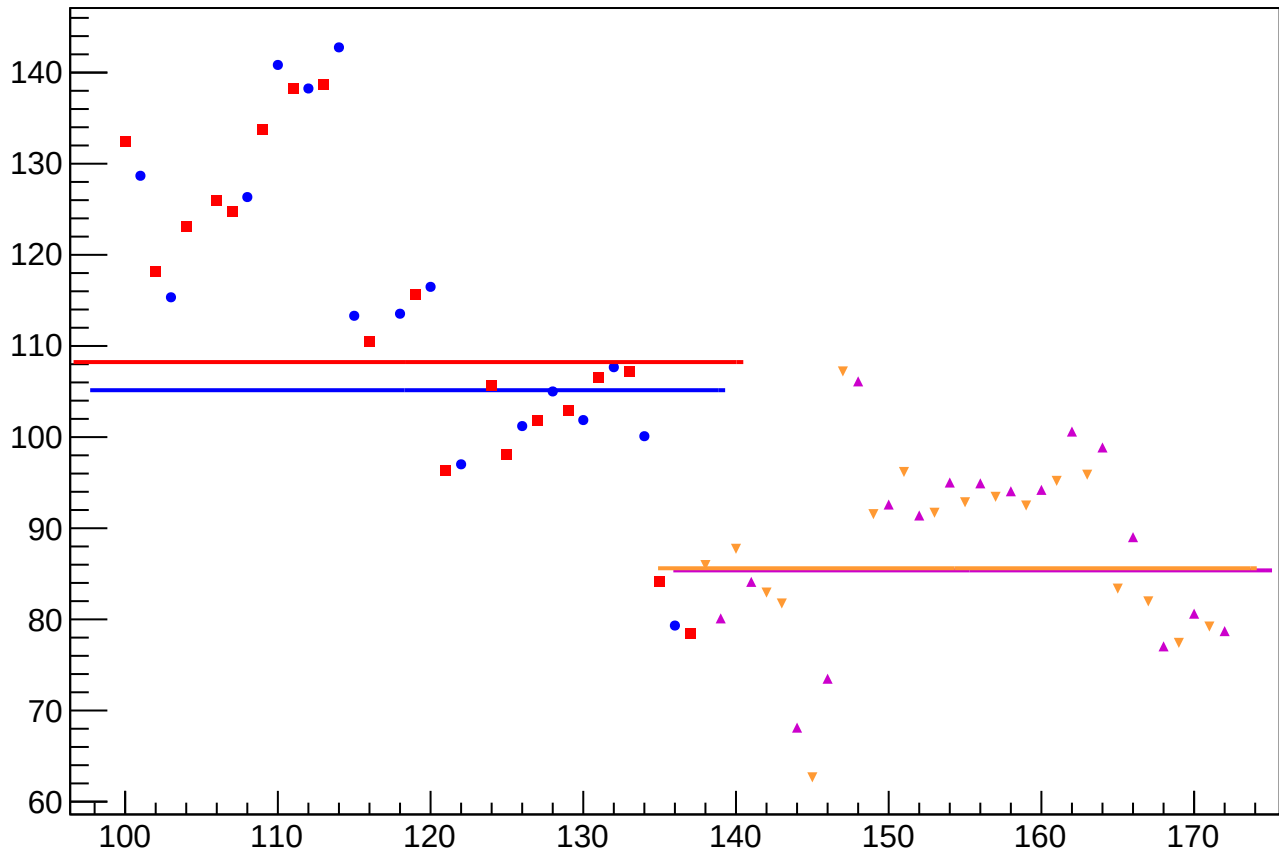
Left In: 10.960 $\pm$ 23.023 χ^2 /NDF:21.0/16

+ sign 22.686 $\pm$ 19.822 χ^2 /NDF: 45.6/33

All: 12.742 $\pm$ 14.067 χ^2 /NDF: 81.8/69

- sign 2.652 $\pm$ 19.967 χ^2 /NDF: 35.7/35

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.3/15

Left Out: 85.608 $\pm$ 0.016 χ^2 /NDF:423382.1/17

Right Out: 108.233 $\pm$ 0.028 χ^2 /NDF: 349936.1/18

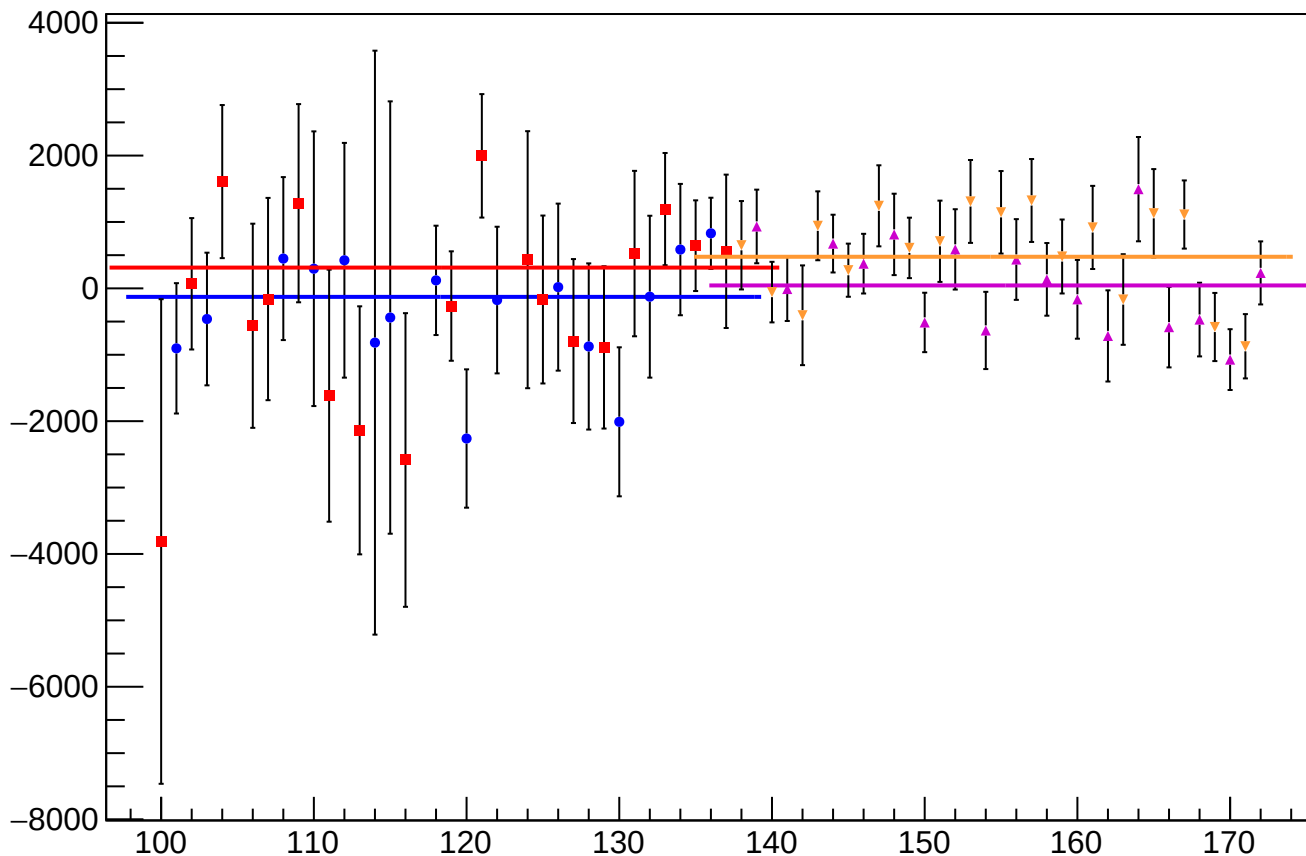
Left In: 85.376 $\pm$ 0.016 χ^2 /NDF:411820.2/16

+ sign 90.482 $\pm$ 0.014 χ^2 /NDF: 1195606.9/33

All: 90.760 $\pm$ 0.010 χ^2 /NDF: 2446852.2/69

- sign 91.042 $\pm$ 0.014 χ^2 /NDF: 1250451.2/35

asym_sam_26_48_dd_reg_correction_mean vs Slug



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

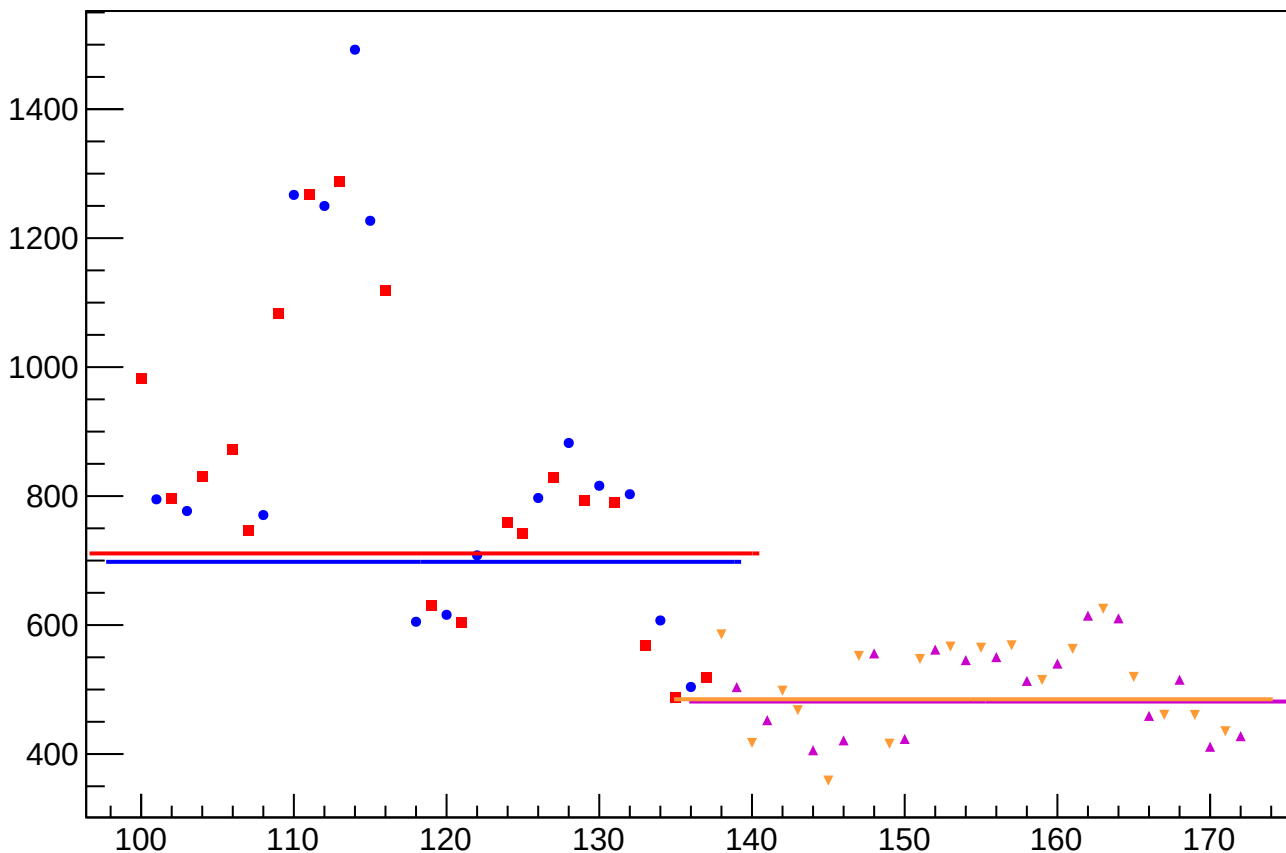
Left In: 44.065+/-130.250 χ^2/NDF : 23.7/16

+ sign 360.622+/-117.373 χ^2/NDF : 42.7/33

All: 227.655+/-82.978 χ^2/NDF : 84.9/69

- sign 94.801+/-117.324 χ^2/NDF : 39.5/35

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 698.055 $\pm$ 0.190 χ^2 /NDF: 912851.5/15

Left Out: 484.906 $\pm$ 0.092 χ^2 /NDF: 642261.1/17

Right Out: 711.088 $\pm$ 0.191 χ^2 /NDF: 1035118.4/18

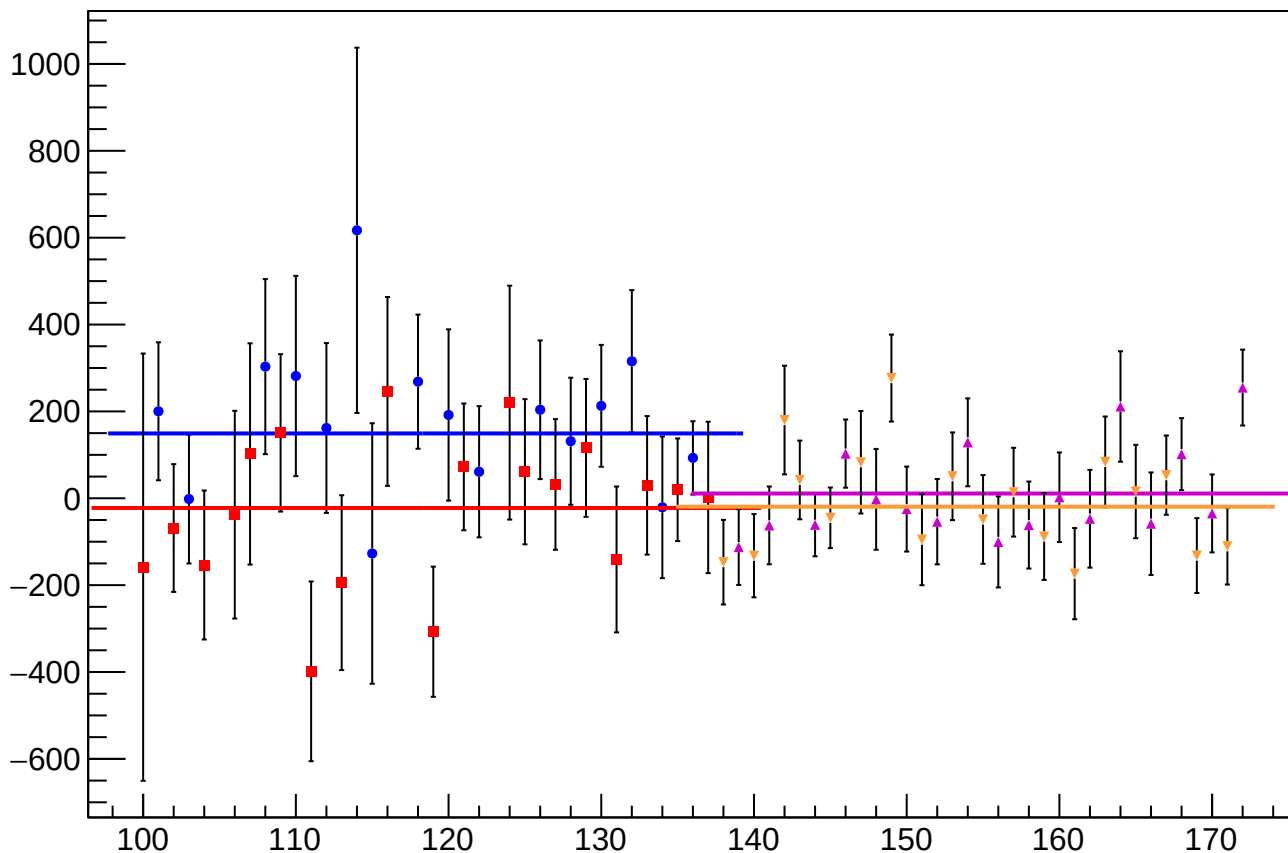
Left In: 481.398 $\pm$ 0.092 χ^2 /NDF: 493831.1/16

+ sign 525.604 $\pm$ 0.083 χ^2 /NDF: 2574004.9/33

All: 525.165 $\pm$ 0.059 χ^2 /NDF: 5276229.6/69

- sign 524.726 $\pm$ 0.083 χ^2 /NDF: 2702168.8/35

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -19.399 $\pm$ 22.880 χ^2 /NDF: 24.1/17

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

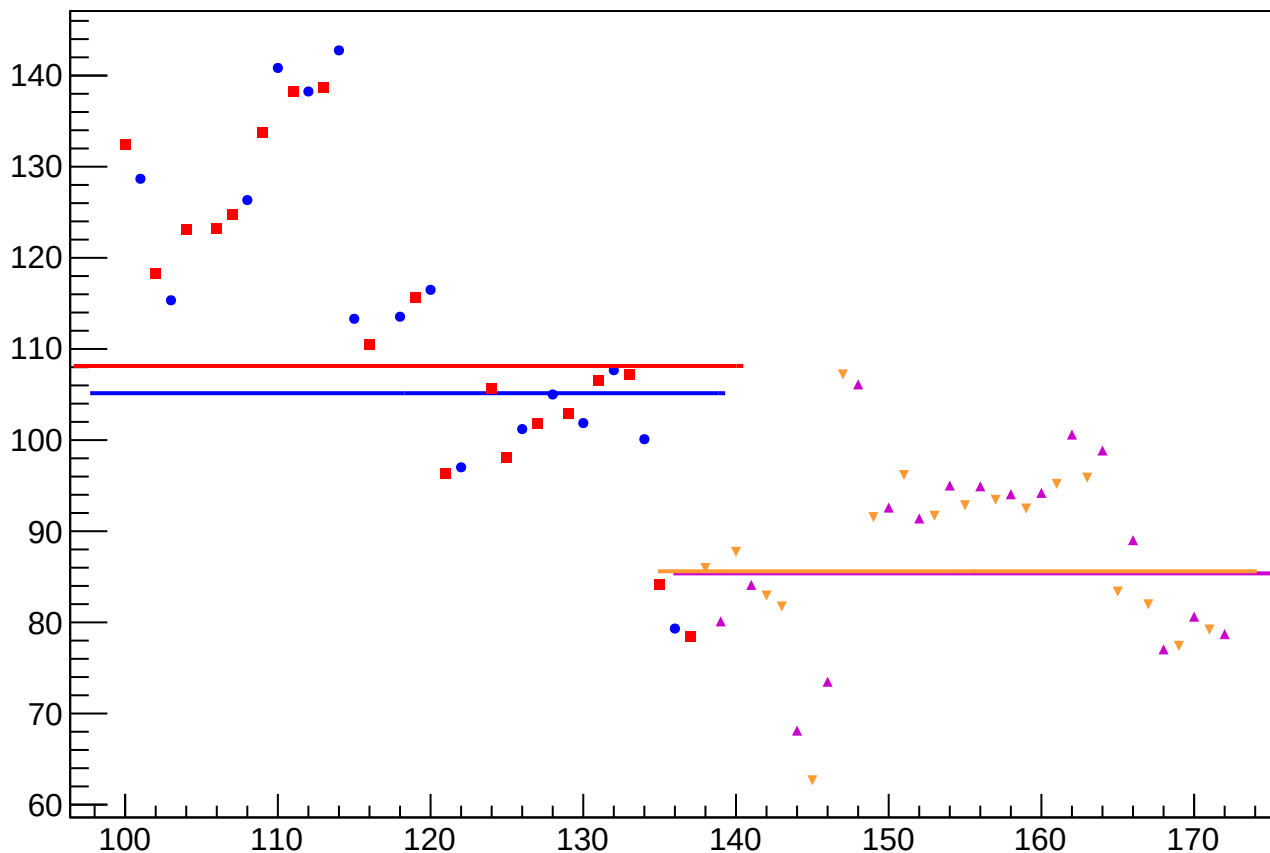
Left In: 10.960 $\pm$ 23.023 χ^2 /NDF: 21.0/16

+ sign 22.682 $\pm$ 19.822 χ^2 /NDF: 45.6/33

All: 12.776 $\pm$ 14.068 χ^2 /NDF: 81.8/69

- sign 2.722 $\pm$ 19.969 χ^2 /NDF: 35.7/35

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2 /NDF: 408406.5/15

Left Out: 85.608 $\pm$ 0.016 χ^2 /NDF:423382.1/17

Right Out: 108.136 $\pm$ 0.028 χ^2 /NDF: 346321.9/18

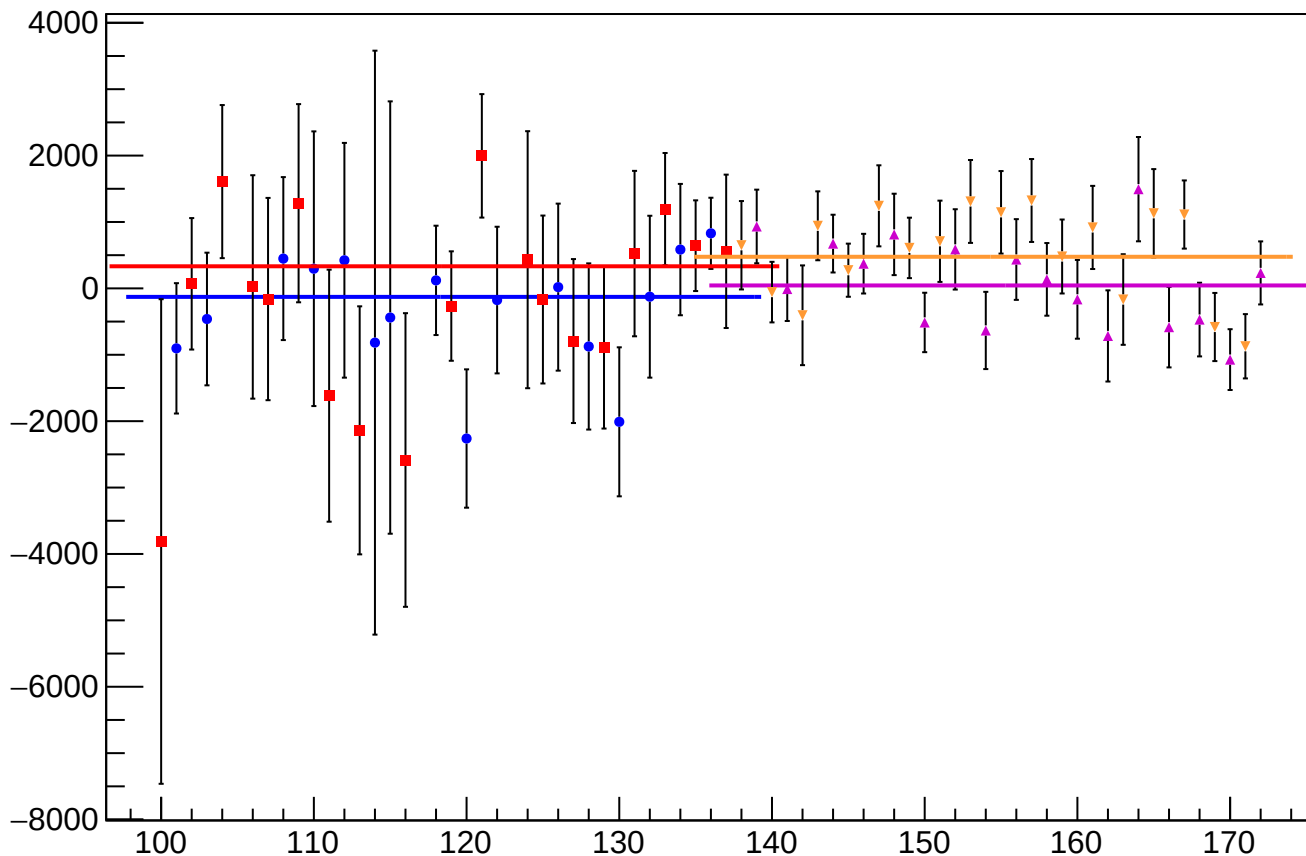
Left In: 85.376 $\pm$ 0.016 χ^2 /NDF:411820.2/16

+ sign 90.482 $\pm$ 0.014 χ^2 /NDF: 1195607.3/33

All: 90.746 $\pm$ 0.010 χ^2 /NDF: 2438645.2/69

- sign 91.014 $\pm$ 0.014 χ^2 /NDF: 1242322.8/35

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -128.047 $\pm$ 268.611 χ^2/NDF : 12.3/15

Left Out: 475.951 $\pm$ 130.491 χ^2/NDF : 26.4/17

Right Out: 332.665 $\pm$ 270.835 χ^2/NDF : 14.7/18

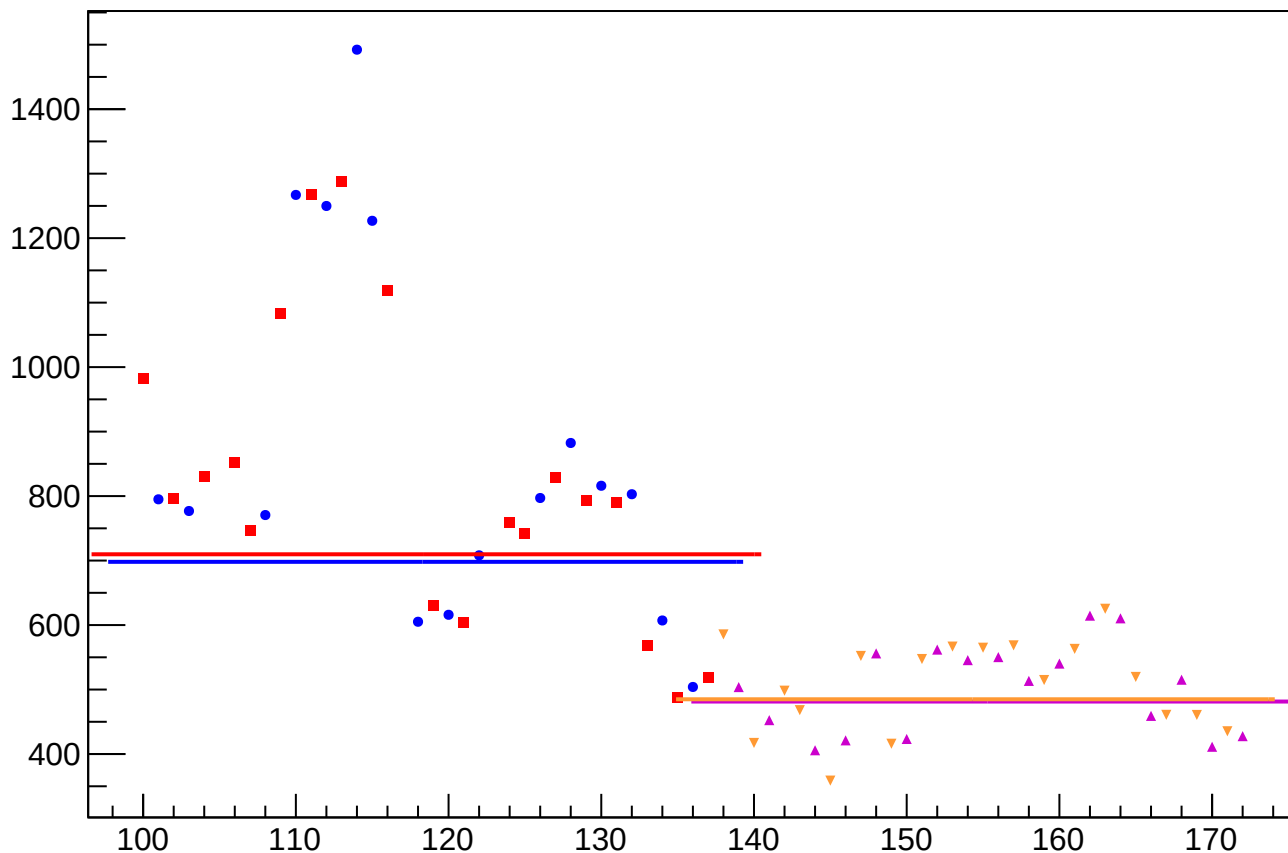
Left In: 44.066 $\pm$ 130.250 χ^2/NDF : 23.7/16

+ sign 360.625 $\pm$ 117.374 χ^2/NDF : 42.7/33

All: 229.459 $\pm$ 82.998 χ^2/NDF : 84.6/69

- sign 98.276 $\pm$ 117.381 χ^2/NDF : 39.4/35

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 698.055 $\pm$ 0.190 χ^2 /NDF: 912861.2/15

Left Out: 484.906 $\pm$ 0.092 χ^2 /NDF: 642261.2/17

Right Out: 709.748 $\pm$ 0.192 χ^2 /NDF: 1027114.2/18

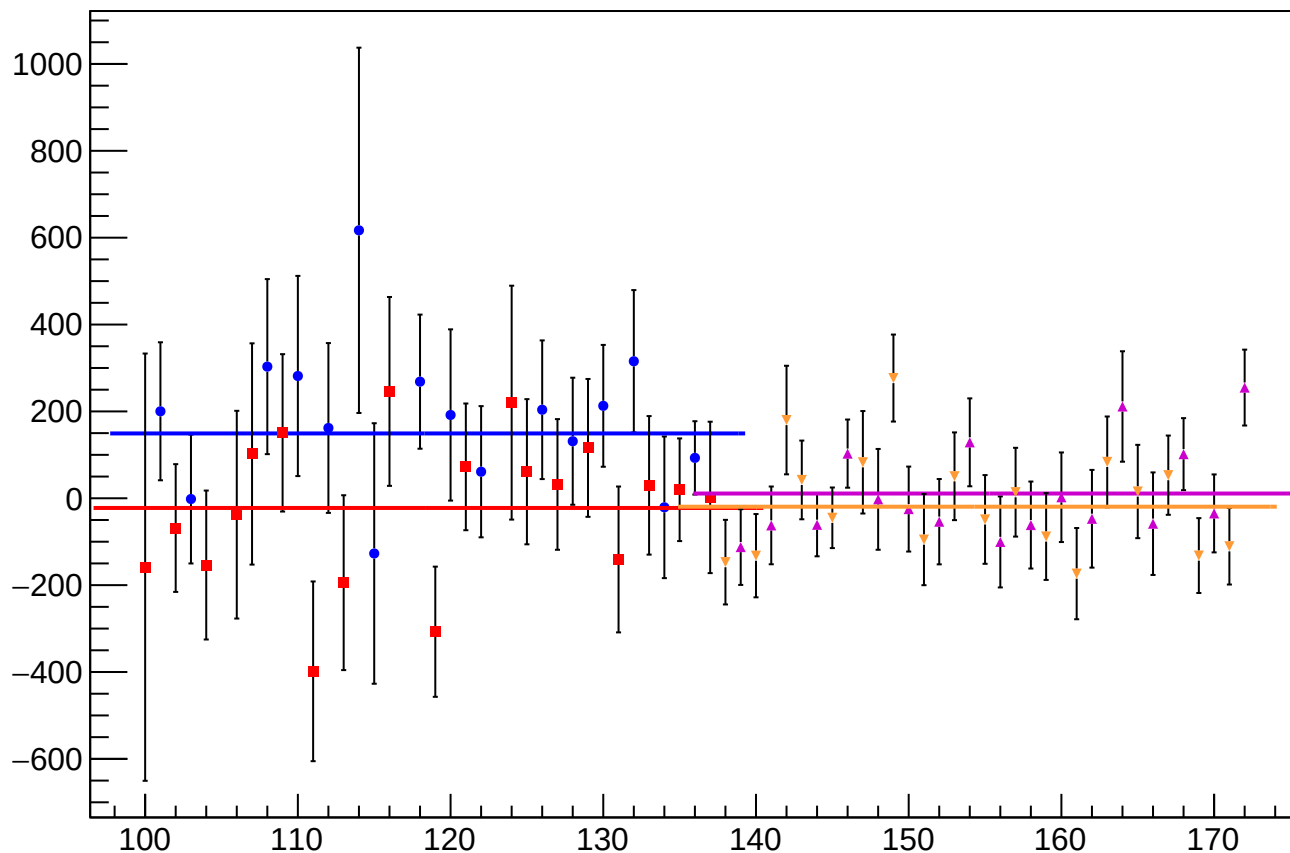
Left In: 481.398 $\pm$ 0.092 χ^2 /NDF: 493833.5/16

+ sign 525.604 $\pm$ 0.083 χ^2 /NDF: 2574017.0/33

All: 524.948 $\pm$ 0.059 χ^2 /NDF: 5249773.7/69

- sign 524.292 $\pm$ 0.083 χ^2 /NDF: 2675631.6/35

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 149.294 $\pm$ 39.687 χ^2 /NDF: 8.0/15

Left Out: -19.399 $\pm$ 22.880 χ^2 /NDF:24.1/17

Right Out: -22.297 $\pm$ 40.123 χ^2 /NDF: 14.2/18

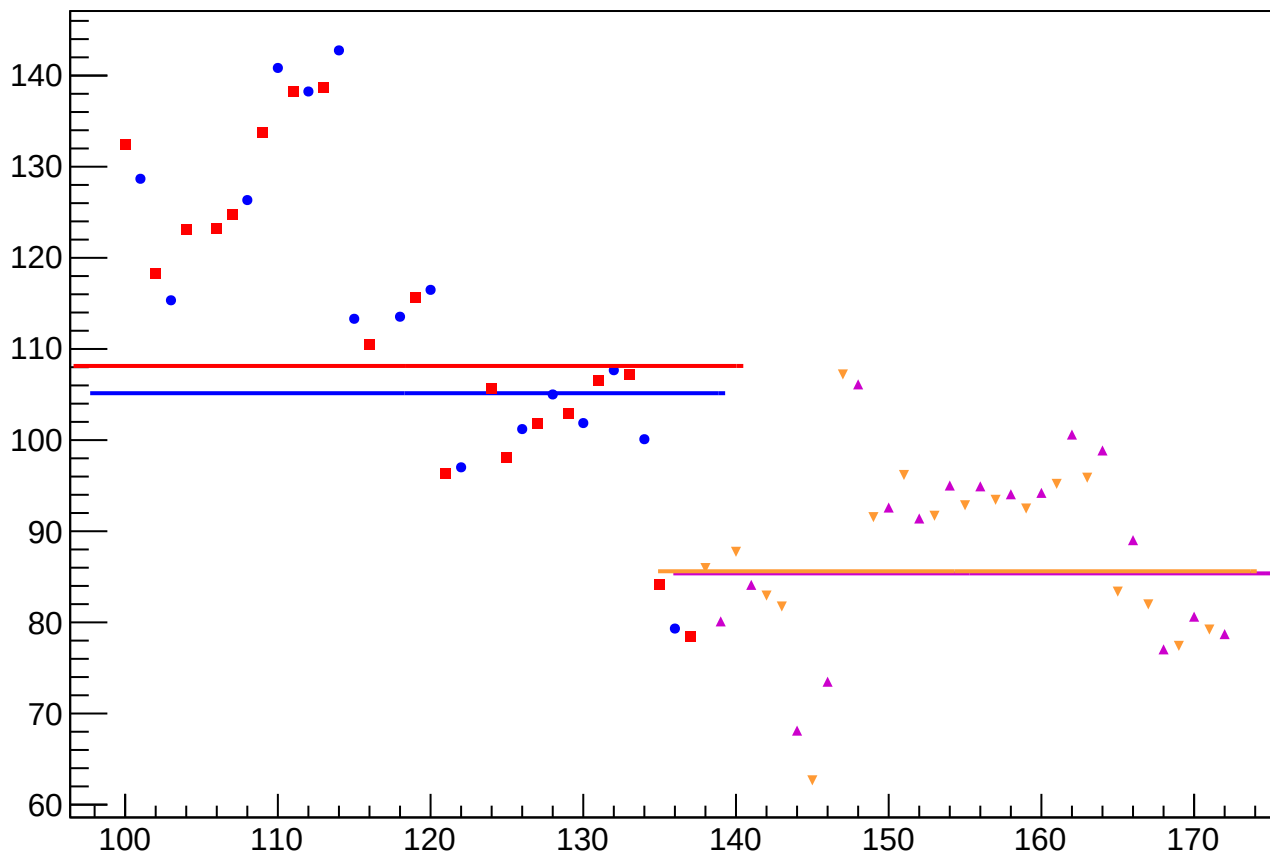
Left In: 10.960 $\pm$ 23.023 χ^2 /NDF:21.0/16

+ sign 22.682 $\pm$ 19.822 χ^2 /NDF: 45.6/33

All: 12.776 $\pm$ 14.068 χ^2 /NDF: 81.8/69

- sign 2.722 $\pm$ 19.969 χ^2 /NDF: 35.7/35

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.146 $\pm$ 0.028 χ^2/NDF : 408406.5/15

Left Out: 85.608 $\pm$ 0.016 χ^2/NDF : 423382.1/17

Right Out: 108.136 $\pm$ 0.028 χ^2/NDF : 346321.9/18

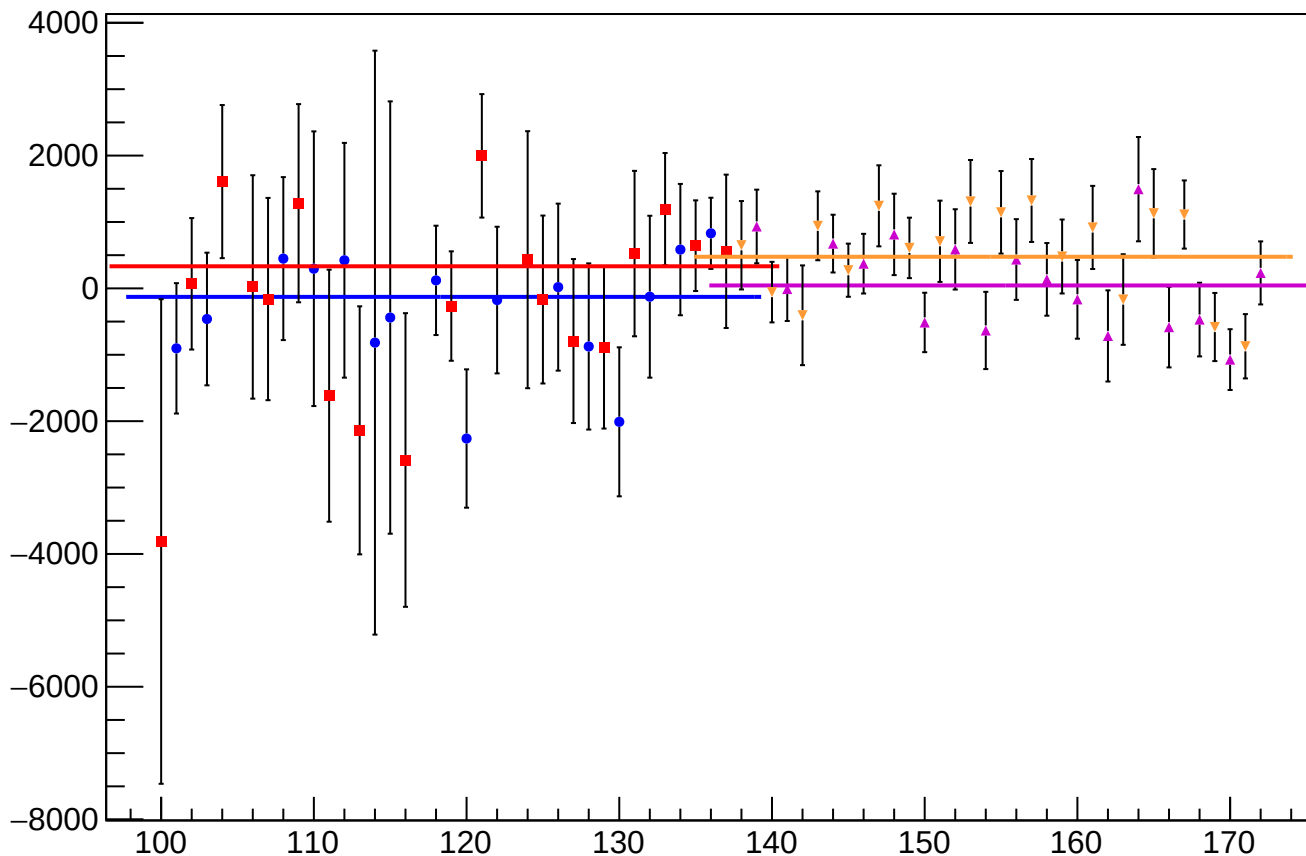
Left In: 85.376 $\pm$ 0.016 χ^2/NDF : 411820.2/16

+ sign 90.482 $\pm$ 0.014 χ^2/NDF : 1195607.3/33

All: 90.746 $\pm$ 0.010 χ^2/NDF : 2438645.2/69

- sign 91.014 $\pm$ 0.014 χ^2/NDF : 1242322.8/35

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



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

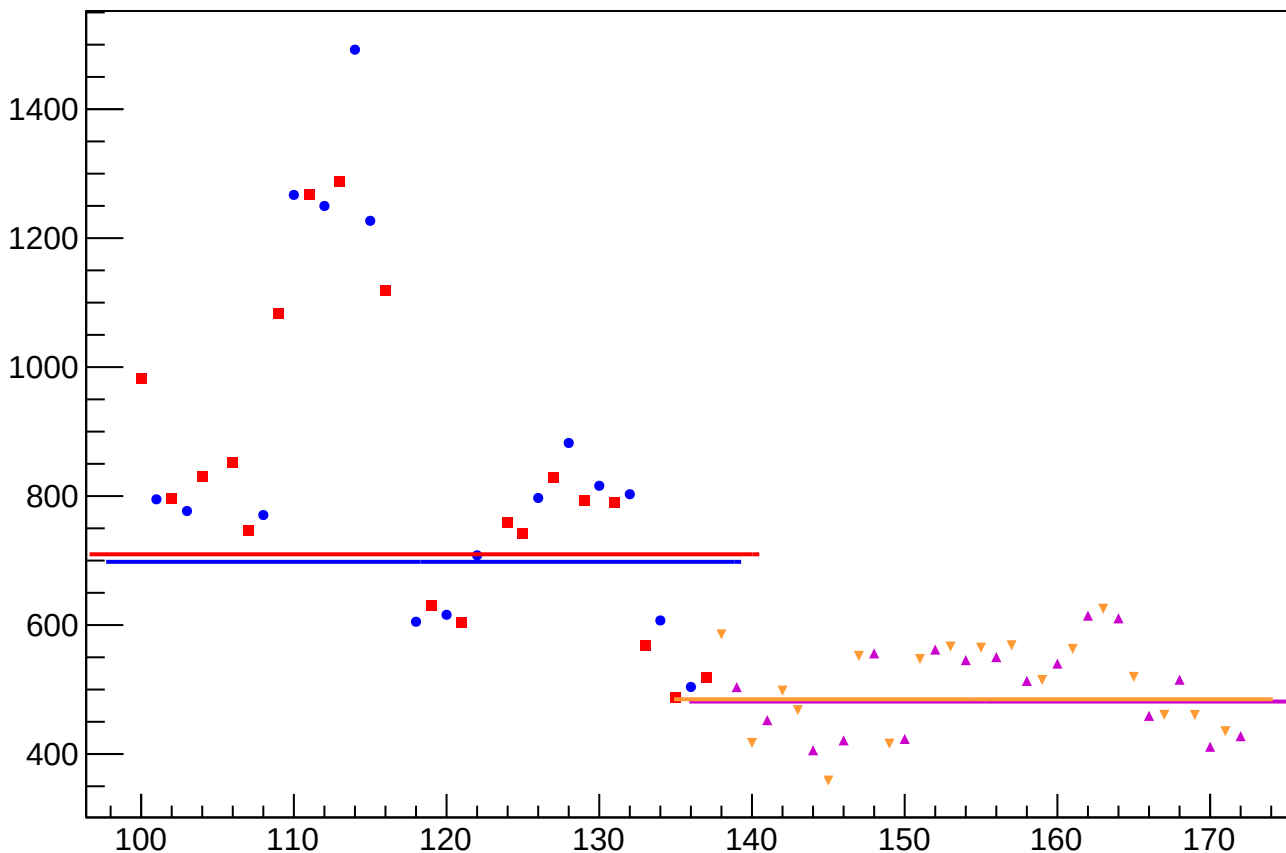
Left In: 44.066 ± 130.250 χ^2/NDF : 23.7/16

+ sign 360.625 ± 117.374 χ^2/NDF : 42.7/33

All: 229.459 ± 82.998 χ^2/NDF : 84.6/69

- sign 98.276 ± 117.381 χ^2/NDF : 39.4/35

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 698.055 $\pm$ 0.190 χ^2 /NDF: 912861.2/15

Left Out: 484.906 $\pm$ 0.092 χ^2 /NDF: 642261.2/17

Right Out: 709.748 $\pm$ 0.192 χ^2 /NDF: 1027114.2/18

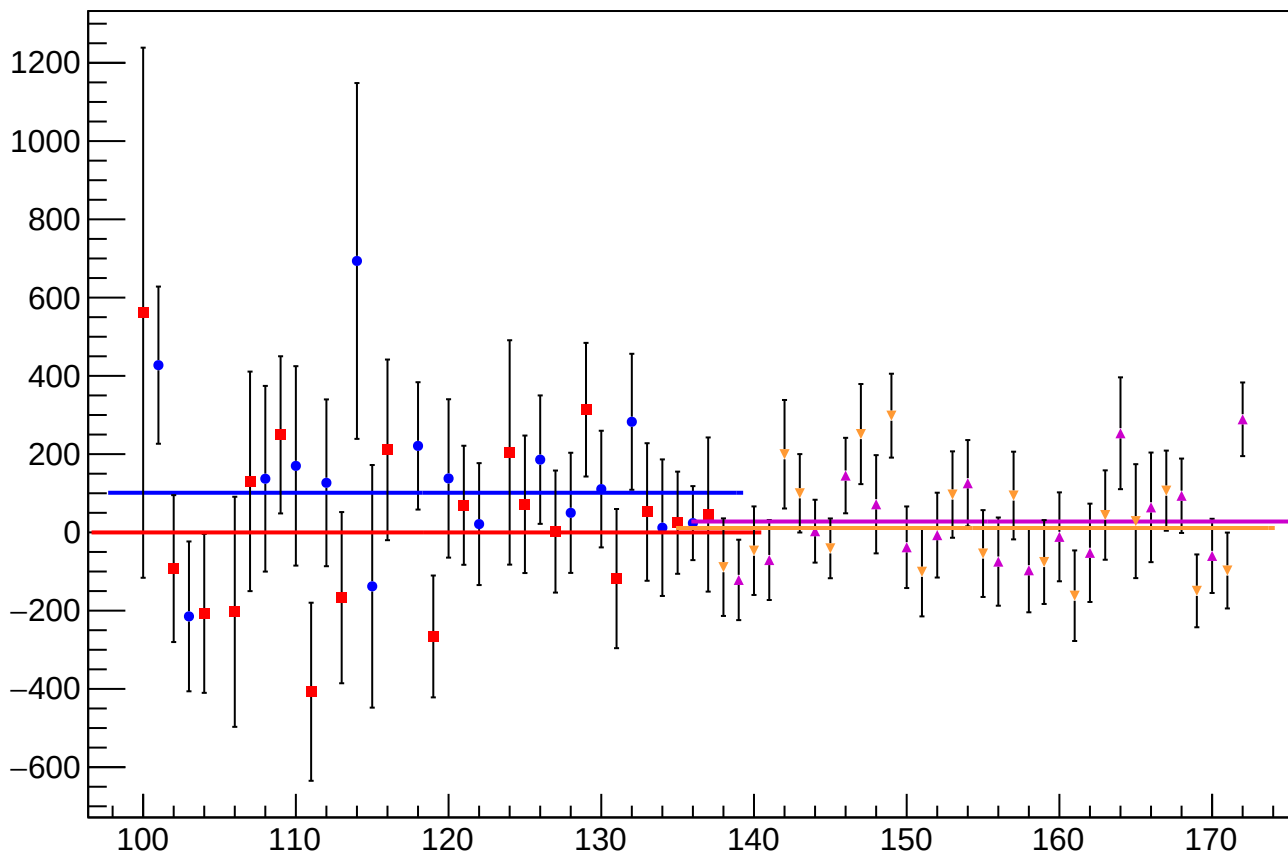
Left In: 481.398 $\pm$ 0.092 χ^2 /NDF: 493833.5/16

+ sign 525.604 $\pm$ 0.083 χ^2 /NDF: 2574017.0/33

All: 524.948 $\pm$ 0.059 χ^2 /NDF: 5249773.7/69

- sign 524.292 $\pm$ 0.083 χ^2 /NDF: 2675631.6/35

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.281 ± 43.510 $\chi^2/\text{NDF}: 11.0/15$

Left Out: 11.207 ± 25.513 $\chi^2/\text{NDF}: 25.2/17$

Right Out: -0.125 ± 44.035 $\chi^2/\text{NDF}: 16.6/18$

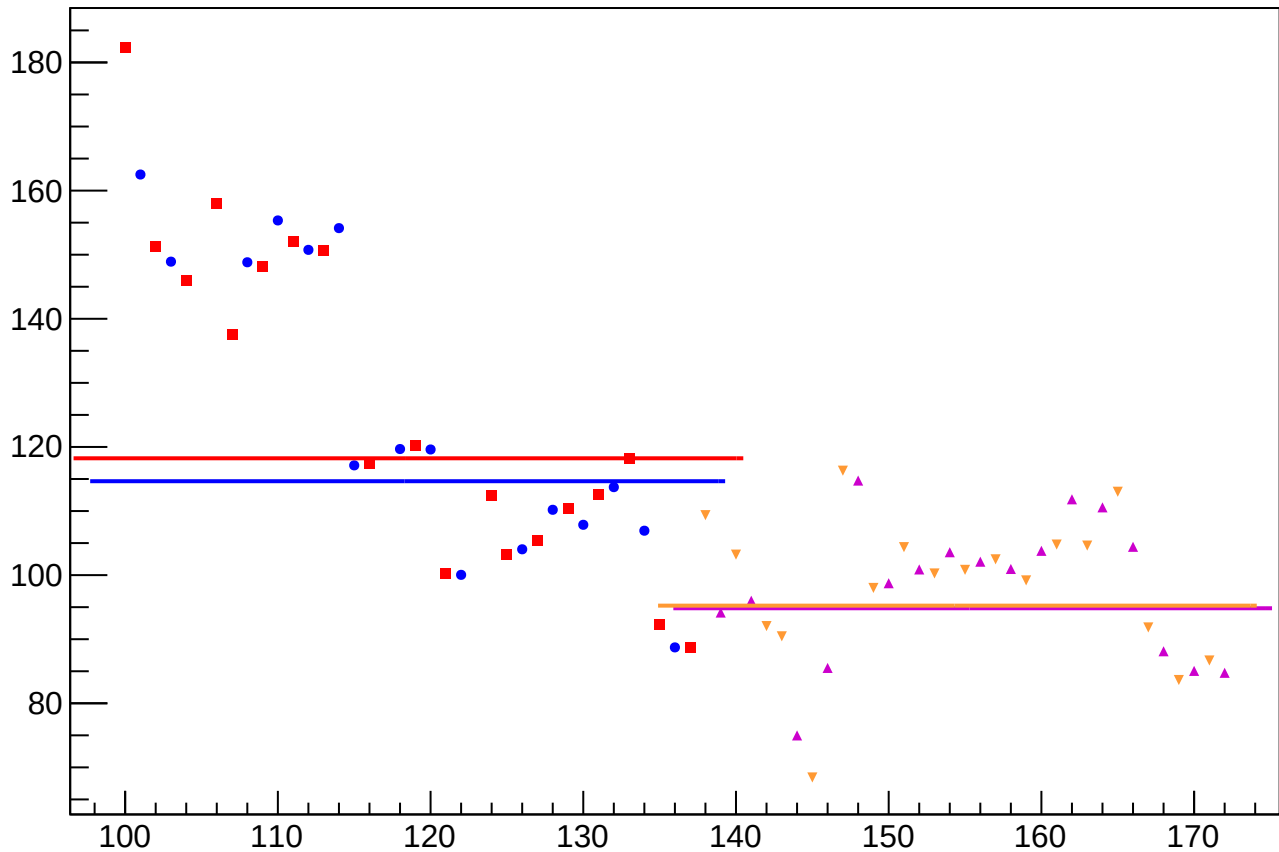
Left In: 27.792 ± 25.677 $\chi^2/\text{NDF}: 20.3/16$

+ sign 34.253 ± 22.008 $\chi^2/\text{NDF}: 39.4/33$

All: 27.534 ± 15.623 $\chi^2/\text{NDF}: 76.9/69$

- sign 20.708 ± 22.182 $\chi^2/\text{NDF}: 37.2/35$

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655 $\pm$ 0.031 χ^2 /NDF: 531976.2/15

Left Out: 95.238 $\pm$ 0.018 χ^2 /NDF: 481838.5/17

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483407.4/18

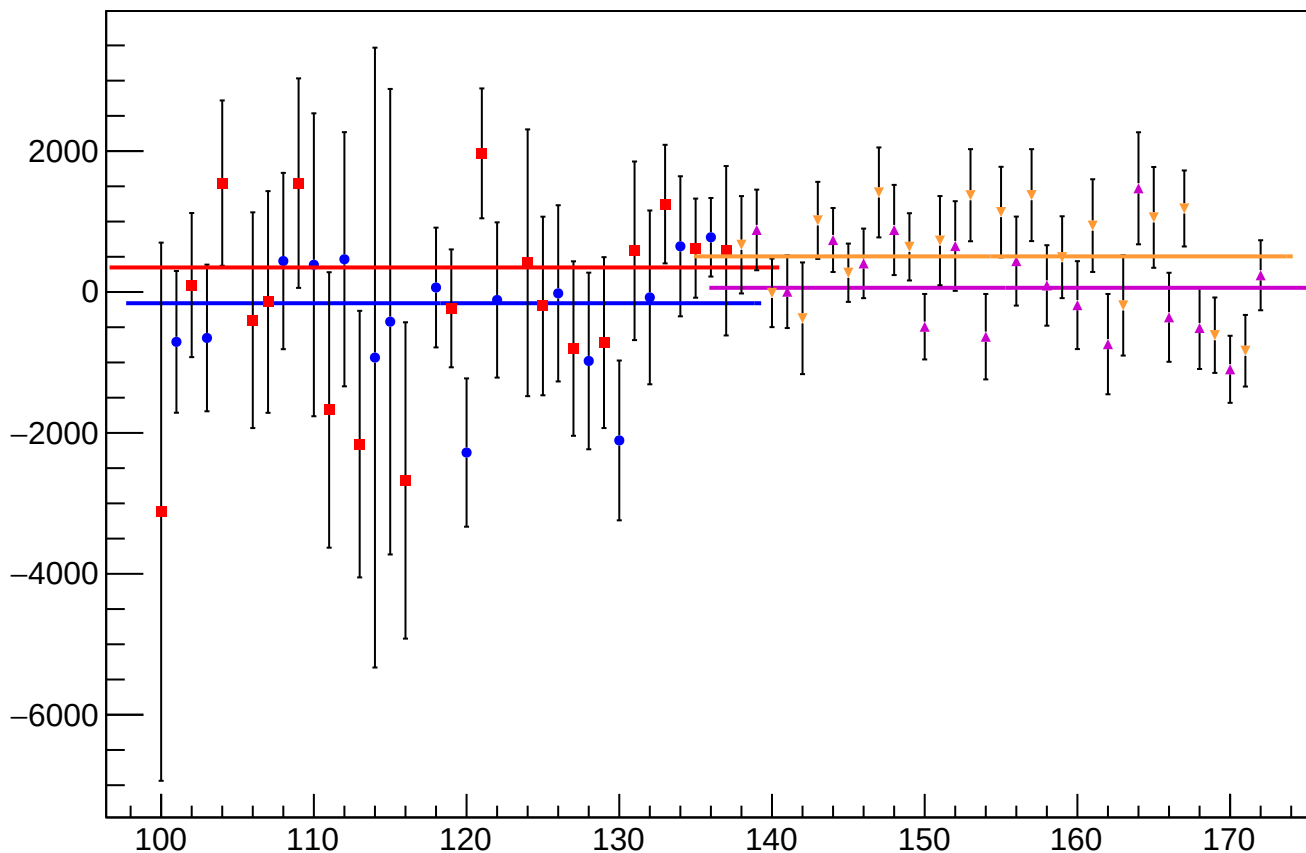
Left In: 94.829 $\pm$ 0.018 χ^2 /NDF: 364739.9/16

+ sign 100.206 $\pm$ 0.016 χ^2 /NDF: 1310193.1/33

All: 100.484 $\pm$ 0.011 χ^2 /NDF: 2580510.2/69

- sign 100.767 $\pm$ 0.016 χ^2 /NDF: 1269673.3/35

asym_sam_26_48_dd_dit_correction_mean vs Slug



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

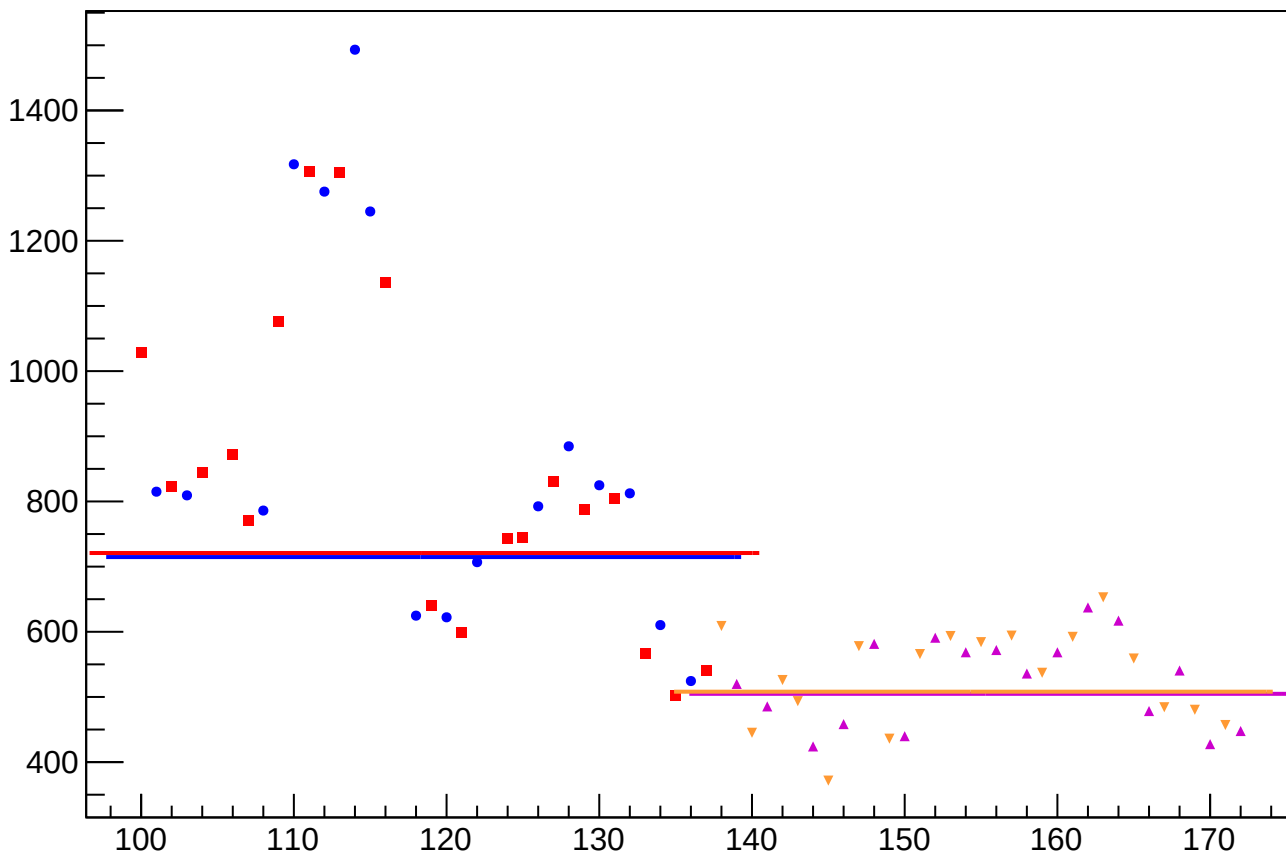
Left In: 59.569 ± 136.549 χ^2/NDF : 22.4/16

+ sign 373.853 ± 122.336 χ^2/NDF : 41.9/33

All: 245.357 ± 86.448 χ^2/NDF : 81.7/69

- sign 117.192 ± 122.177 χ^2/NDF : 37.6/35

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

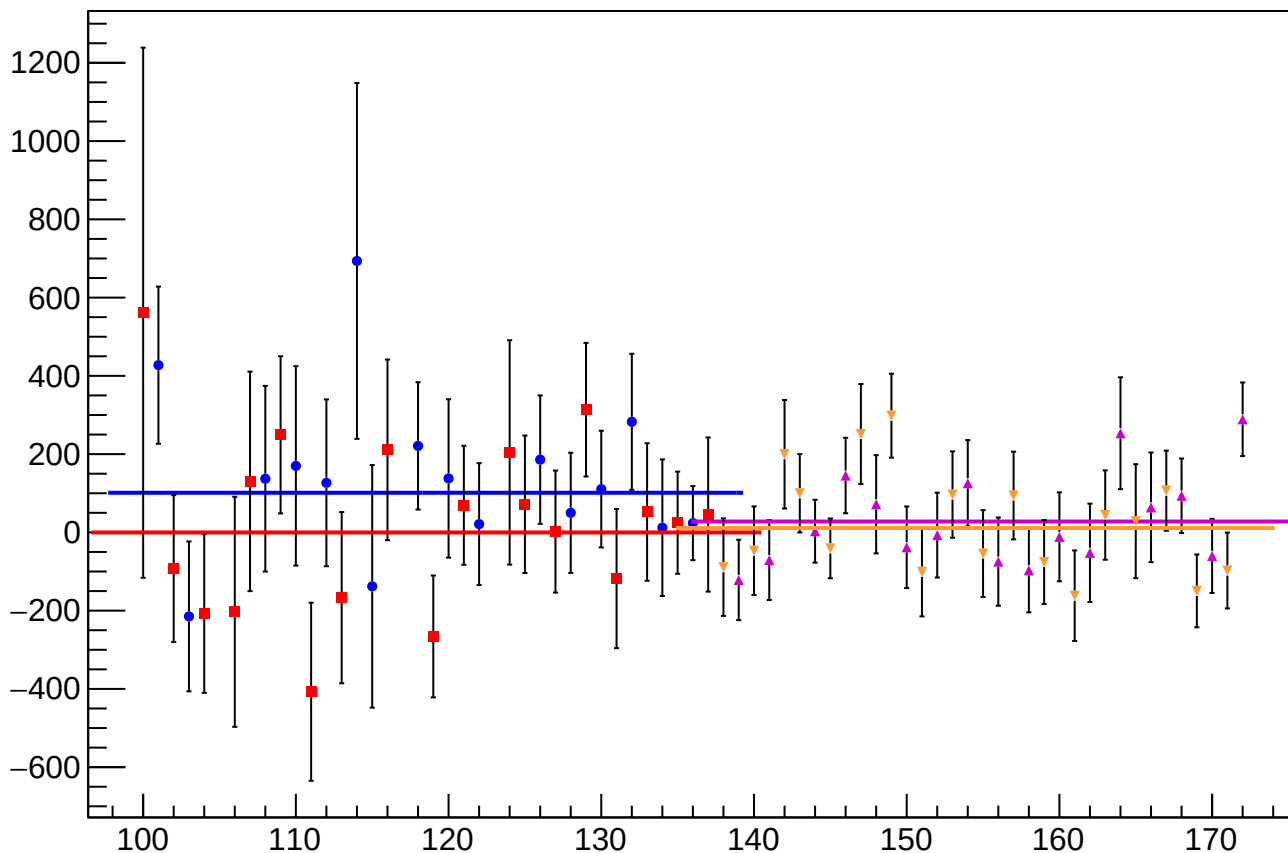
Left In: 504.802 ± 0.097 χ^2/NDF : 460453.2/16

+ sign 549.104 ± 0.087 χ^2/NDF : 2423009.0/33

All: 548.497 ± 0.061 χ^2/NDF : 4900750.0/69

- sign 547.893 ± 0.086 χ^2/NDF : 2477642.8/35

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 101.278 $\pm$ 43.510 χ^2 /NDF: 11.0/15

Left Out: 11.205 $\pm$ 25.513 χ^2 /NDF:25.2/17

Right Out: -0.125 $\pm$ 44.035 χ^2 /NDF: 16.6/18

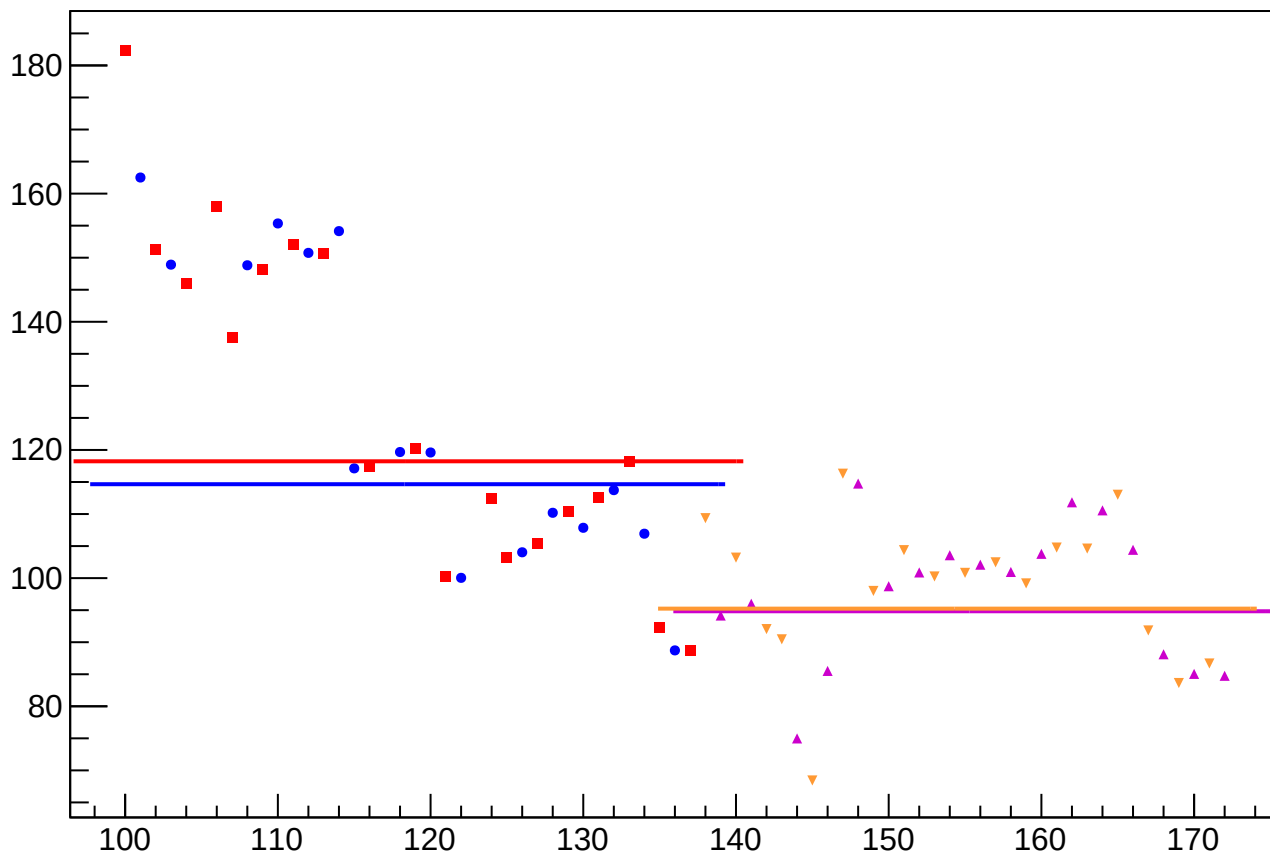
Left In: 27.792 $\pm$ 25.677 χ^2 /NDF:20.3/16

+ sign 34.251 $\pm$ 22.008 χ^2 /NDF: 39.4/33

All: 27.533 $\pm$ 15.623 χ^2 /NDF: 76.9/69

- sign 20.709 $\pm$ 22.182 χ^2 /NDF: 37.2/35

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.655 $\pm$ 0.031 χ^2 /NDF: 531962.9/15

Left Out: 95.238 $\pm$ 0.018 χ^2 /NDF: 481846.0/17

Right Out: 118.230 $\pm$ 0.031 χ^2 /NDF: 483401.1/18

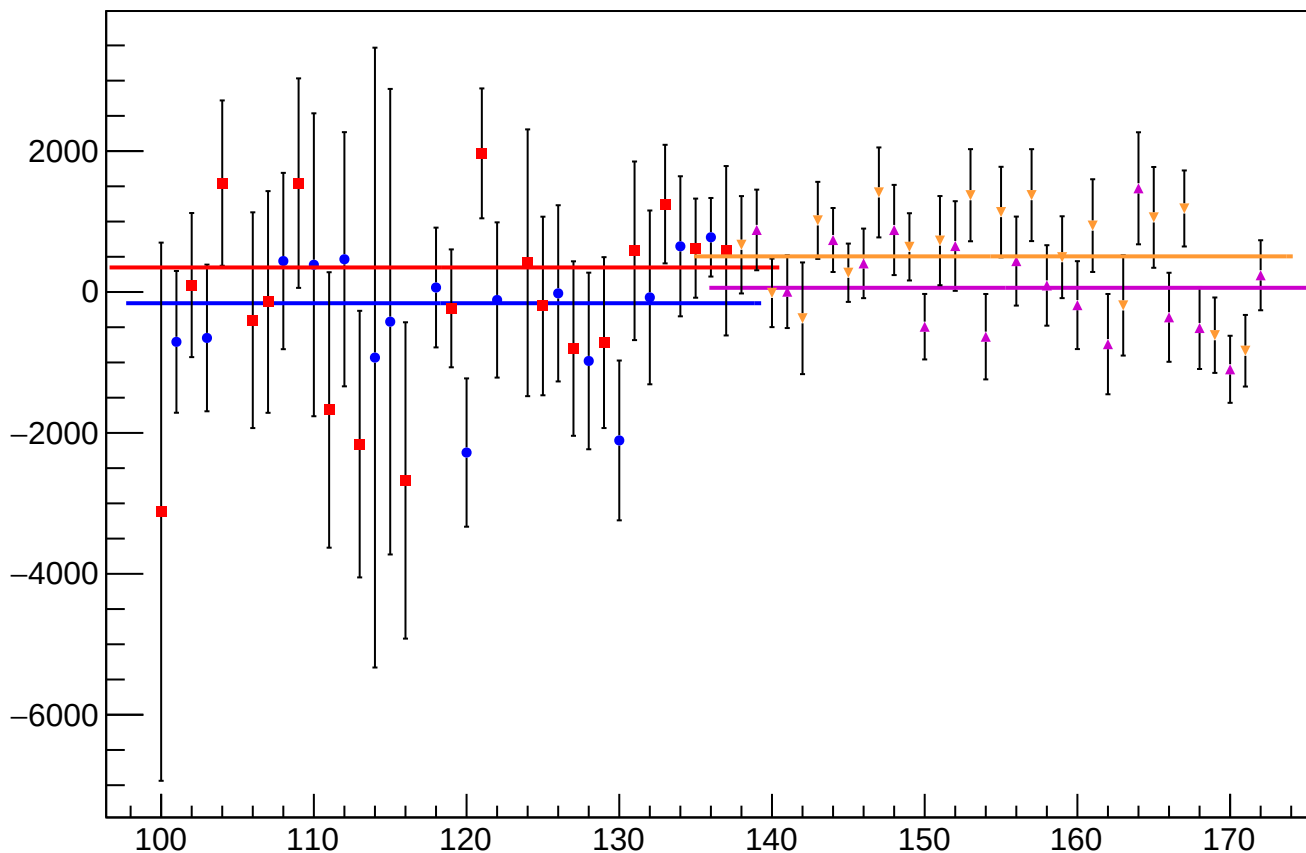
Left In: 94.829 $\pm$ 0.018 χ^2 /NDF: 364742.0/16

+ sign 100.206 $\pm$ 0.016 χ^2 /NDF: 1310191.9/33

All: 100.484 $\pm$ 0.011 χ^2 /NDF: 2580503.7/69

- sign 100.767 $\pm$ 0.016 χ^2 /NDF: 1269668.1/35

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: -159.112 ± 274.558 χ^2/NDF : 12.0/15

Left Out: 505.876 ± 136.650 χ^2/NDF : 25.2/17

Right Out: 348.528 ± 273.595 χ^2/NDF : 14.3/18

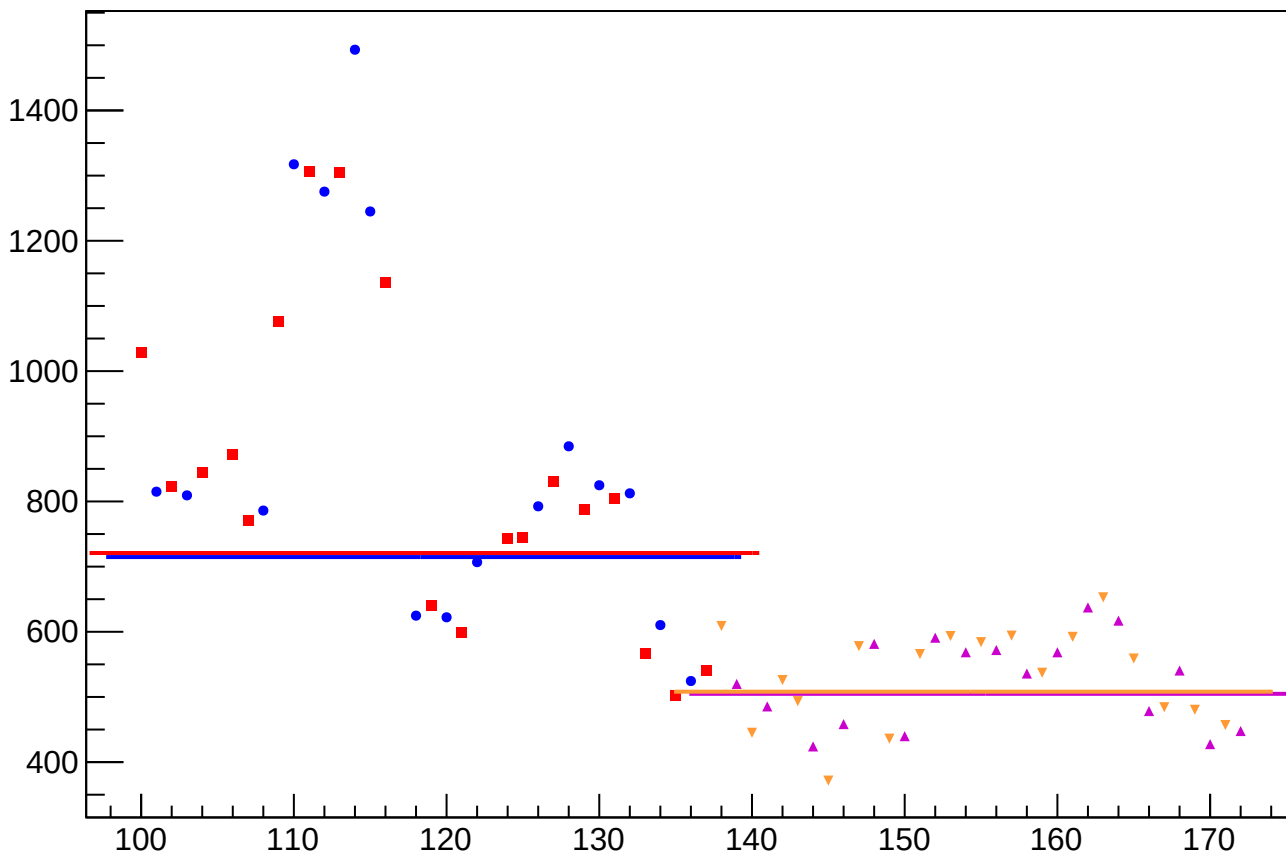
Left In: 59.569 ± 136.549 χ^2/NDF : 22.4/16

+ sign 373.852 ± 122.336 χ^2/NDF : 41.9/33

All: 245.356 ± 86.448 χ^2/NDF : 81.7/69

- sign 117.192 ± 122.177 χ^2/NDF : 37.6/35

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 714.666 $\pm$ 0.194 χ^2 /NDF: 876211.4/15

Left Out: 508.091 $\pm$ 0.097 χ^2 /NDF: 639383.9/17

Right Out: 720.884 $\pm$ 0.193 χ^2 /NDF: 1018428.9/18

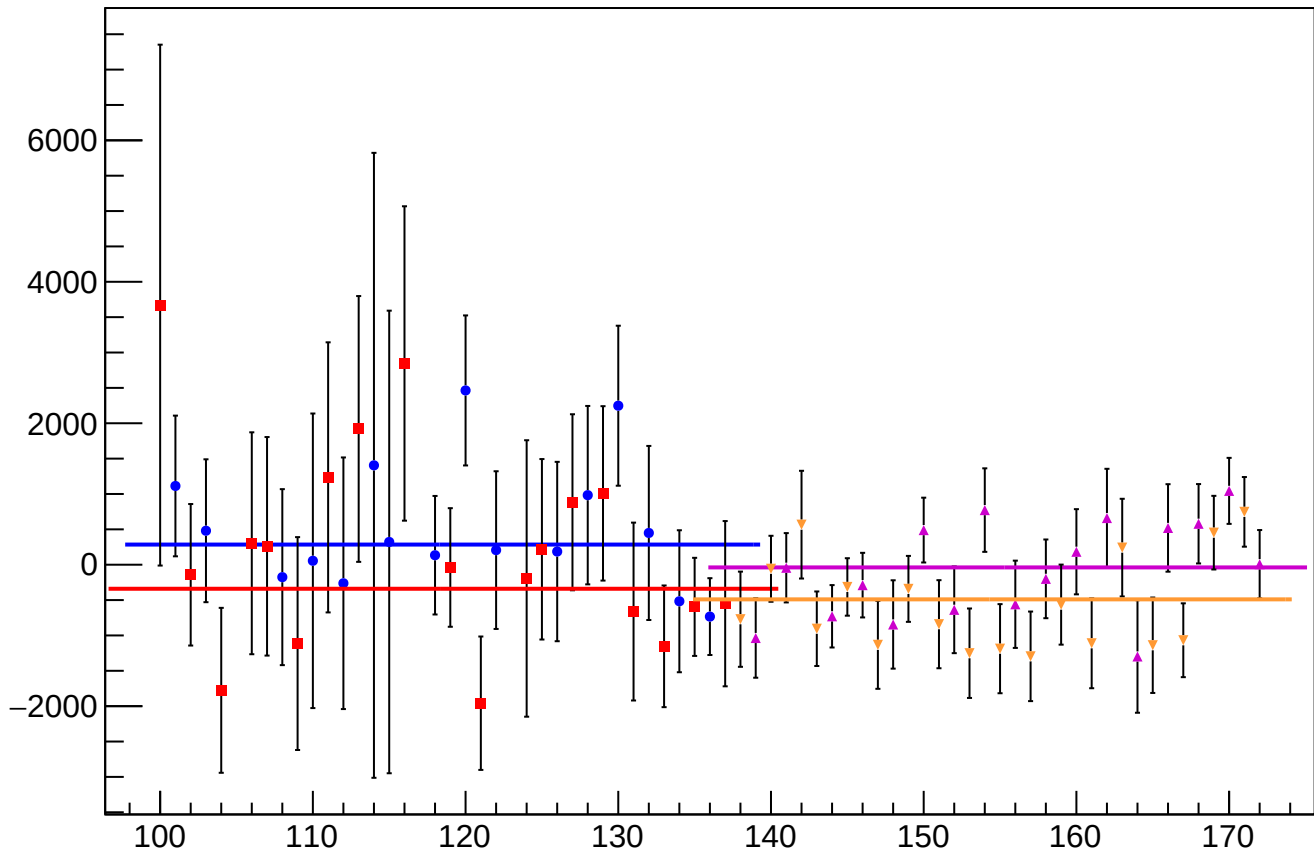
Left In: 504.802 $\pm$ 0.097 χ^2 /NDF: 460452.8/16

+ sign 549.104 $\pm$ 0.087 χ^2 /NDF: 2423005.7/33

All: 548.497 $\pm$ 0.061 χ^2 /NDF: 4900738.4/69

- sign 547.893 $\pm$ 0.086 χ^2 /NDF: 2477634.6/35

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

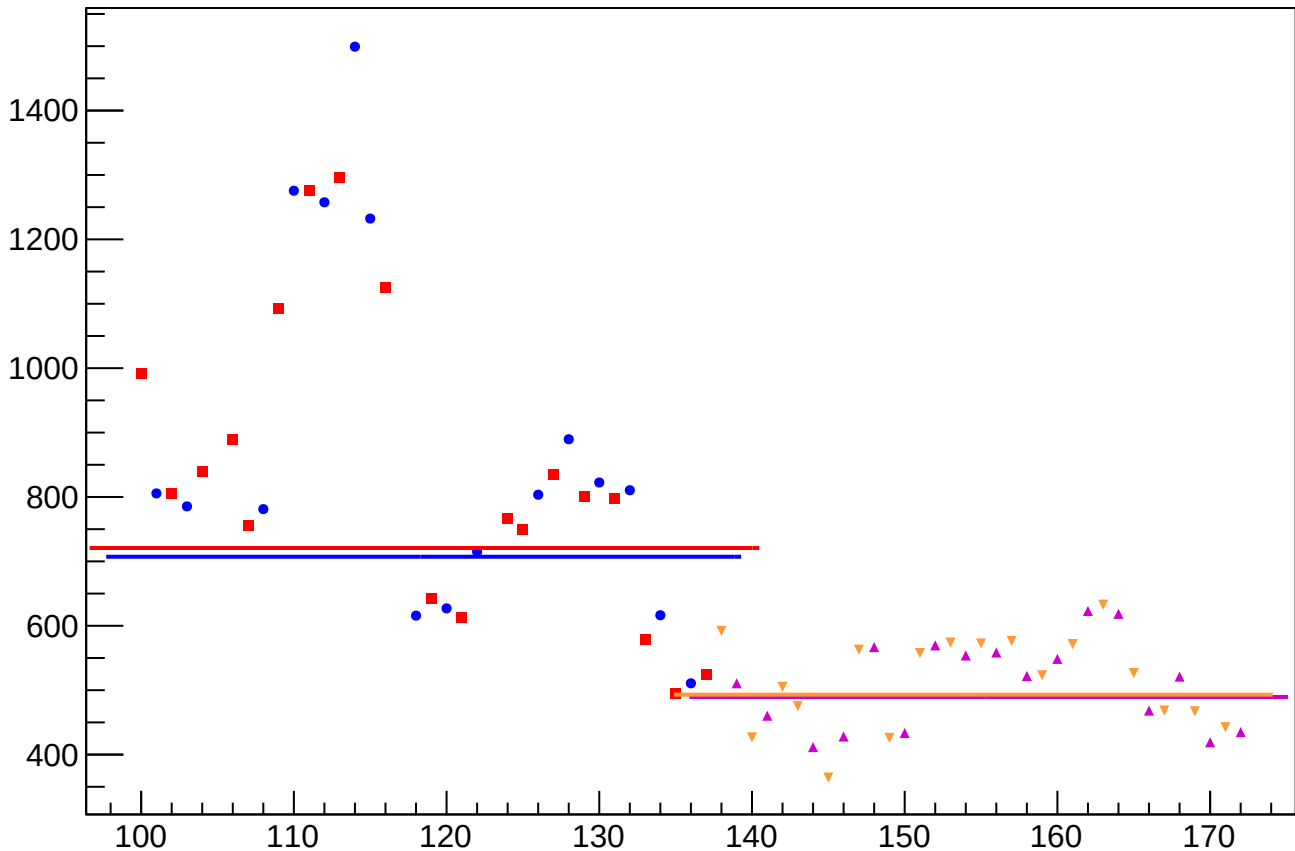
Left In: -38.204 ± 132.392 χ^2/NDF : 23.6/16

+ sign -341.059 ± 119.204 χ^2/NDF : 42.7/33

All: -218.231 ± 84.279 χ^2/NDF : 83.5/69

- sign -95.465 ± 119.173 χ^2/NDF : 38.7/35

asym_sam_26_48_dd_rms vs Slug



Right In: 707.209 $\pm$ 0.192 χ^2 /NDF: 896689.9/15

Left Out: 493.065 $\pm$ 0.094 χ^2 /NDF: 628410.3/17

Right Out: 720.778 $\pm$ 0.193 χ^2 /NDF: 1015277.9/18

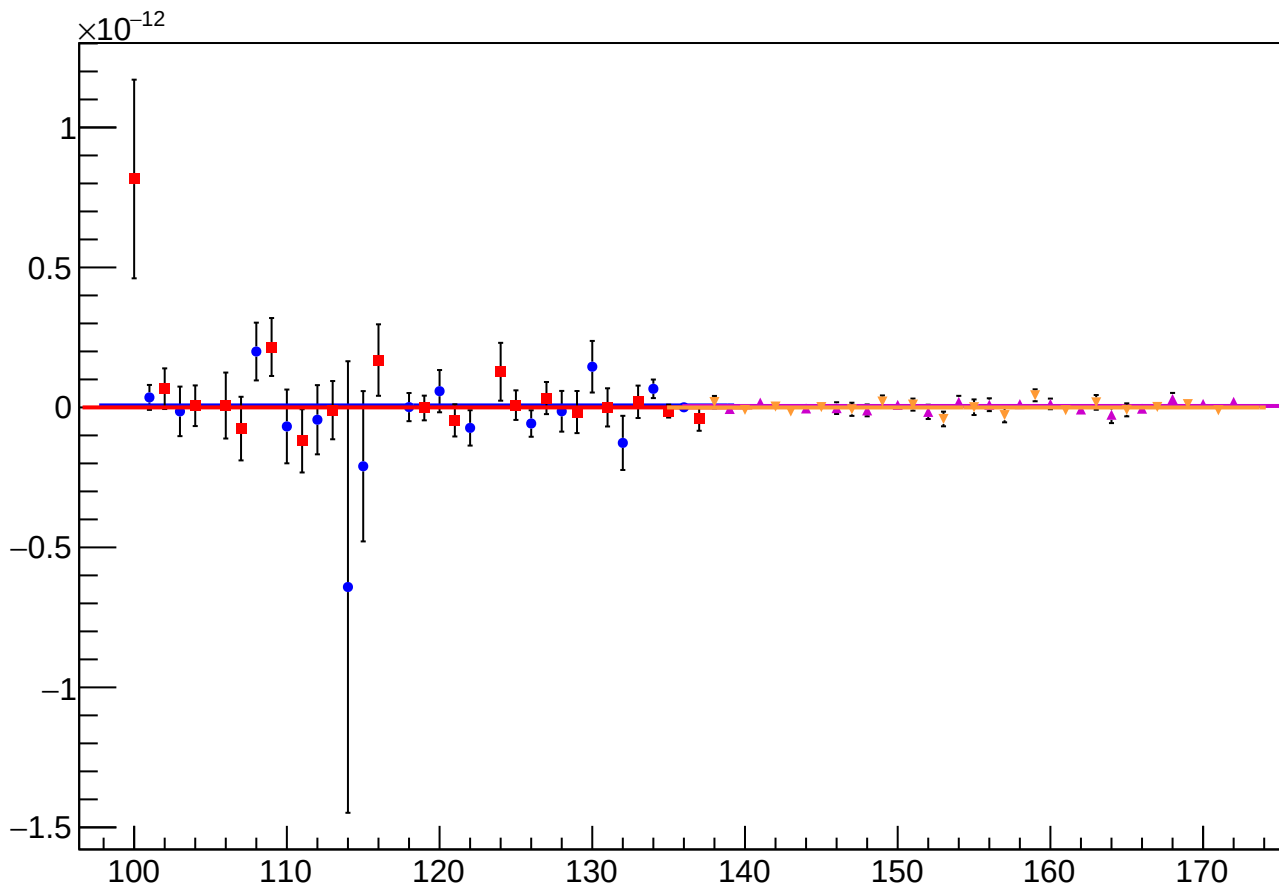
Left In: 489.474 $\pm$ 0.094 χ^2 /NDF: 483801.8/16

+ sign 534.211 $\pm$ 0.084 χ^2 /NDF: 2526986.3/33

All: 533.785 $\pm$ 0.060 χ^2 /NDF: 5184335.8/69

- sign 533.358 $\pm$ 0.084 χ^2 /NDF: 2657298.2/35

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:12.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/18

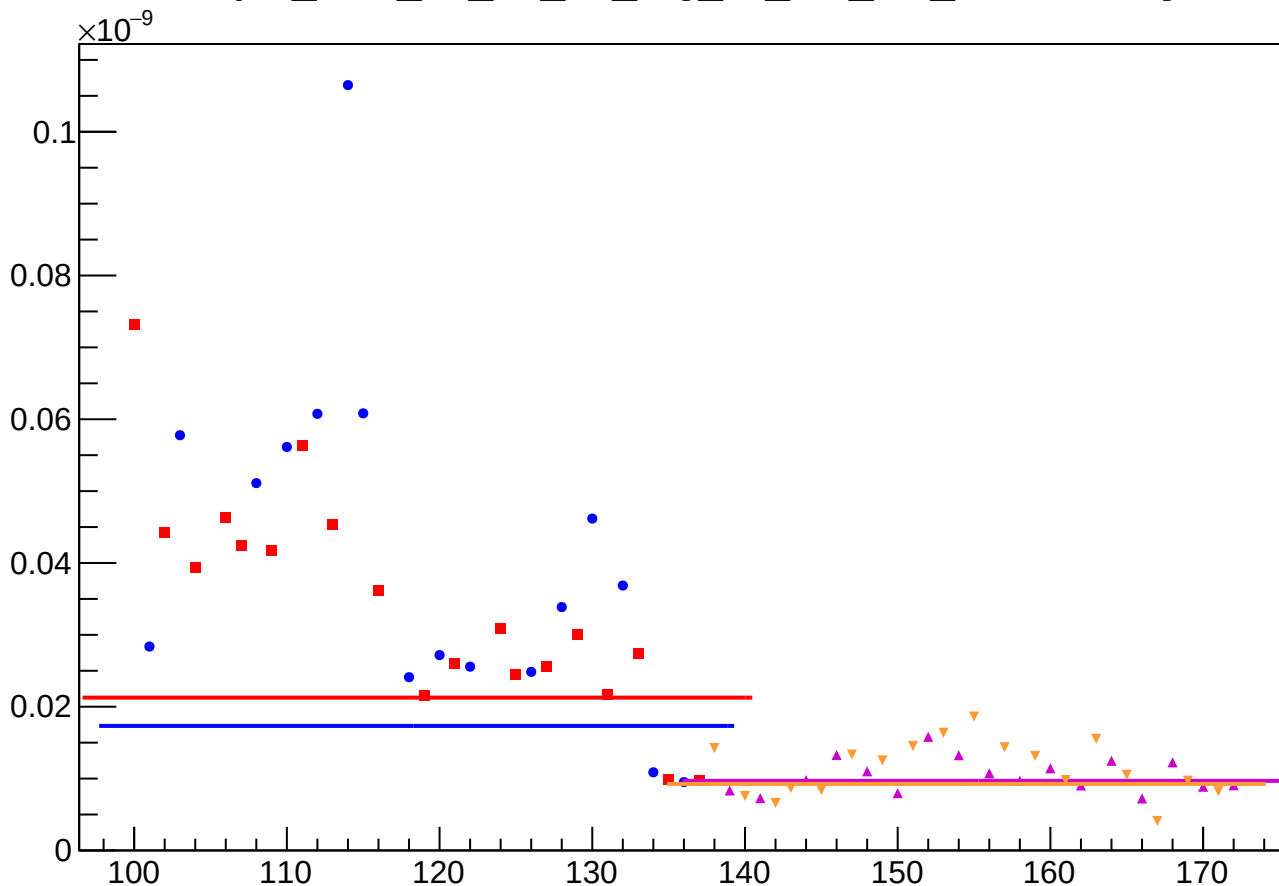
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:8.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 57.2/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.0/35

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



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

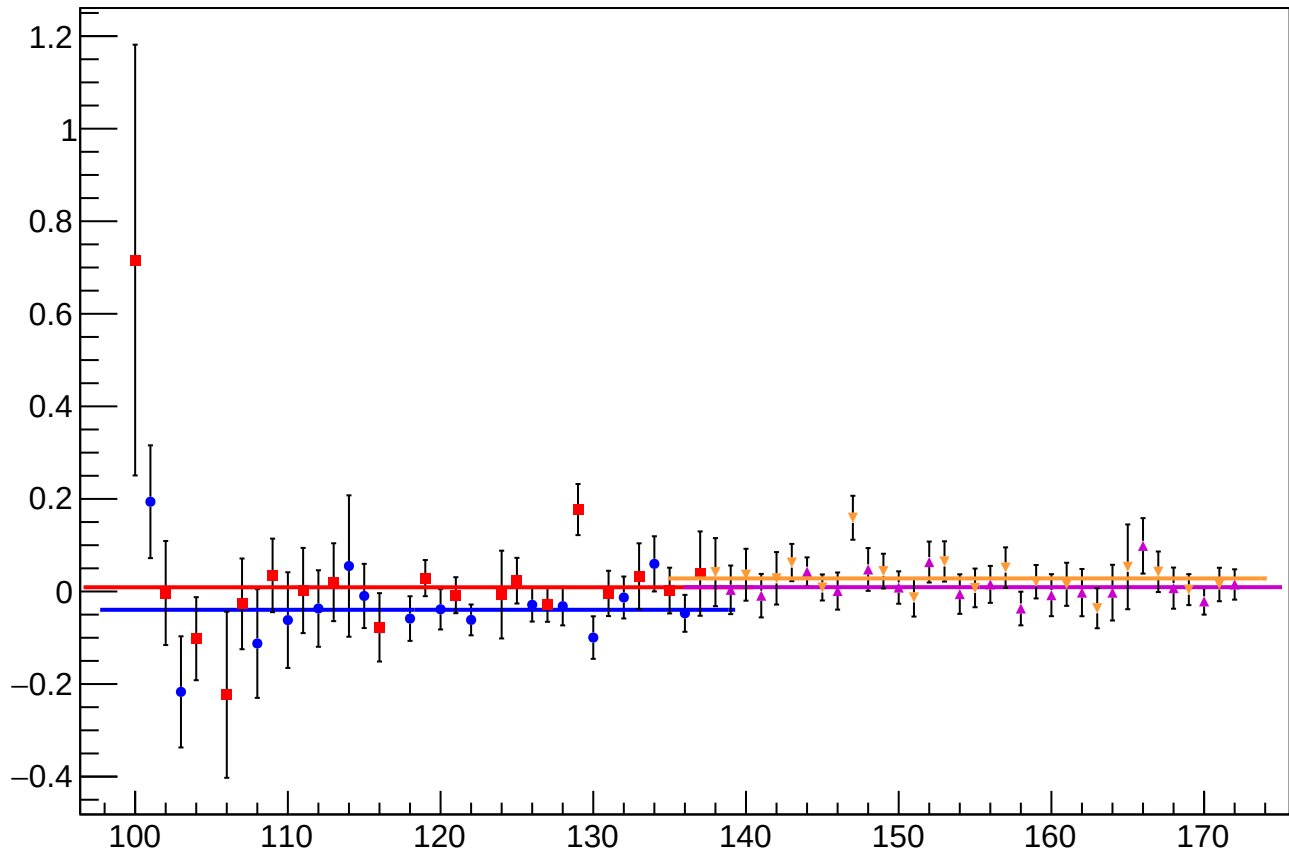
Left In: 0.000+/-0.000 χ^2/NDF : 470154.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 4931212.7/33

All: 0.000+/-0.000 χ^2/NDF : 8449412.9/69

- sign 0.000+/-0.000 χ^2/NDF : 3495765.4/35

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.028 ± 0.010 $\chi^2/\text{NDF}: 14.5/17$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 18.3/18$

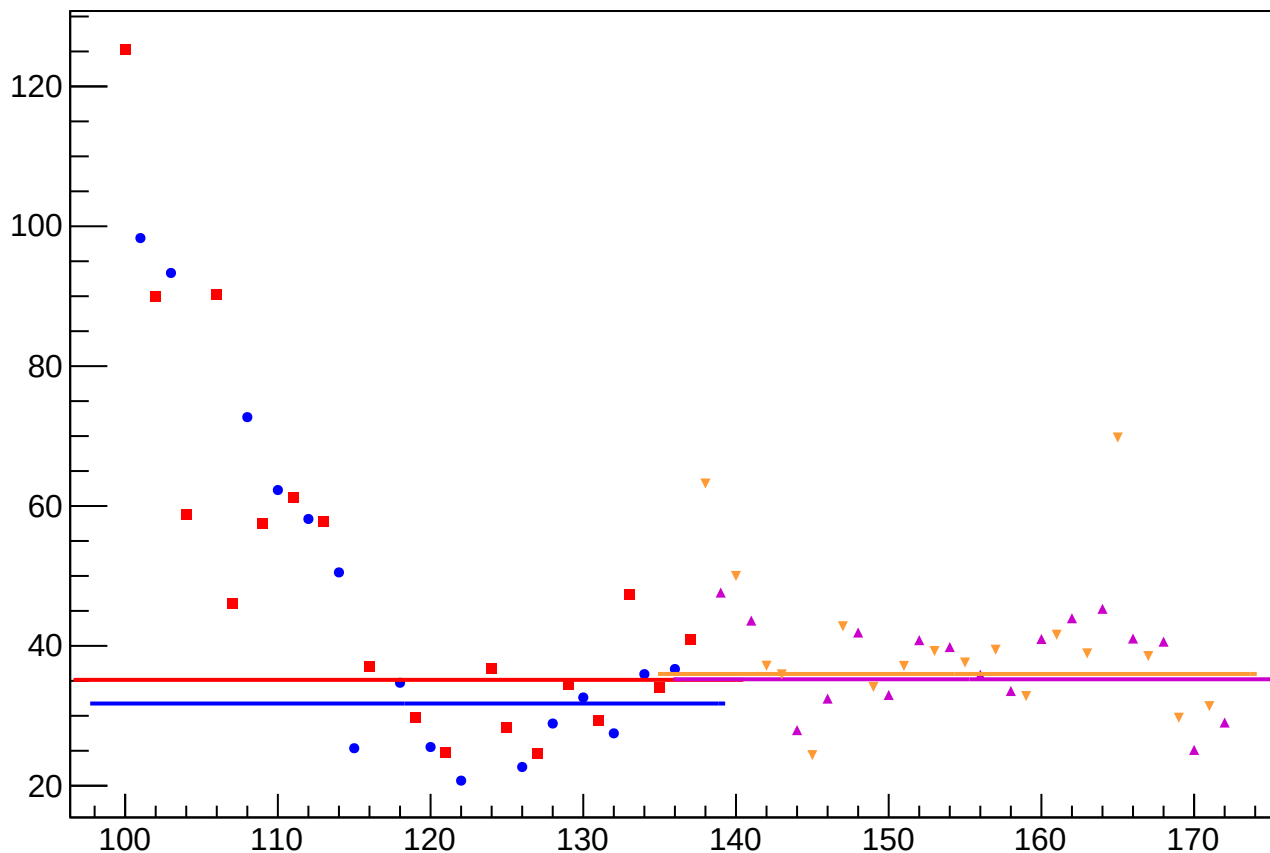
Left In: 0.009 ± 0.010 $\chi^2/\text{NDF}: 9.0/16$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 43.8/33$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 71.3/69$

- sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 27.3/35$

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

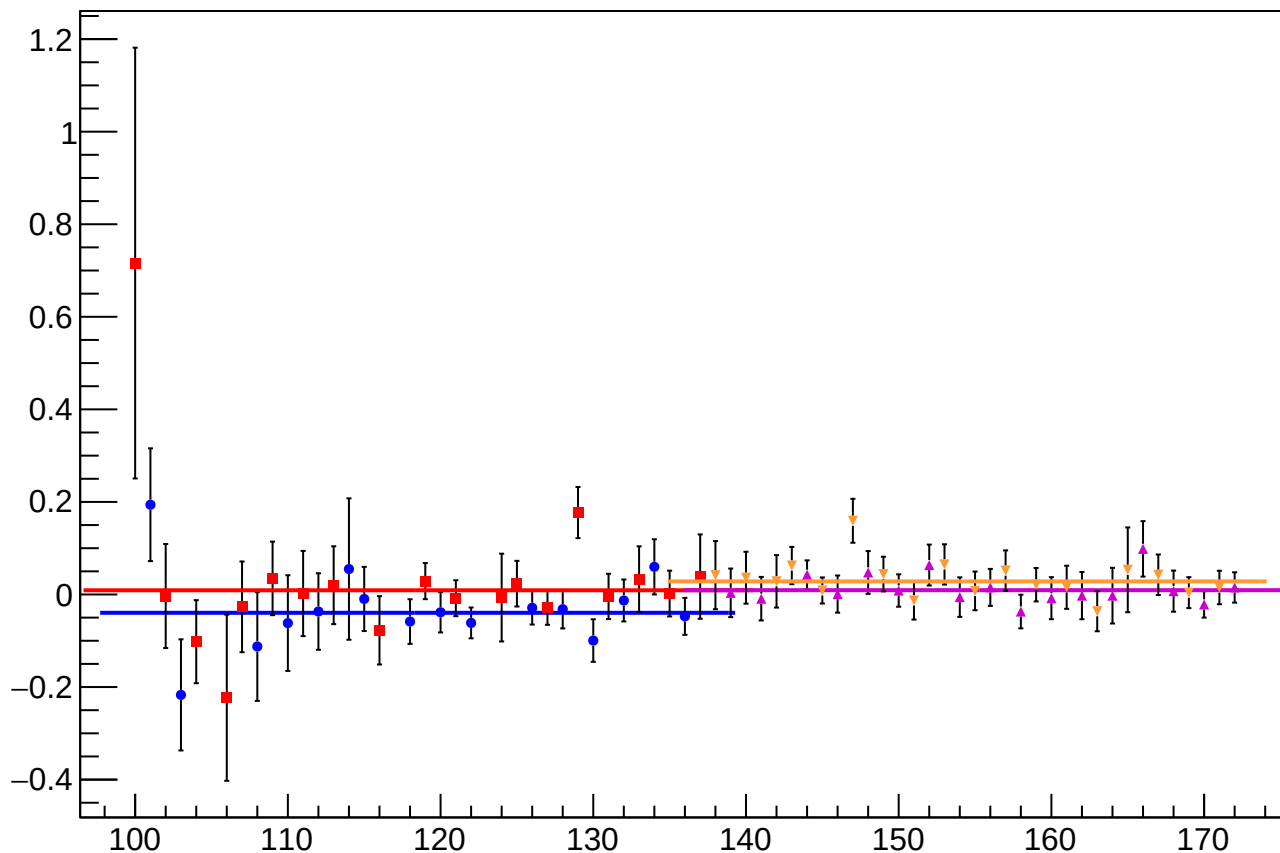
Left In: 35.224+/-0.007 χ^2/NDF : 921041.6/16

+ sign 34.448+/-0.006 χ^2/NDF : 3633248.5/33

All: 34.815+/-0.004 χ^2/NDF : 6407737.3/69

- sign 35.197+/-0.006 χ^2/NDF : 2765766.1/35

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

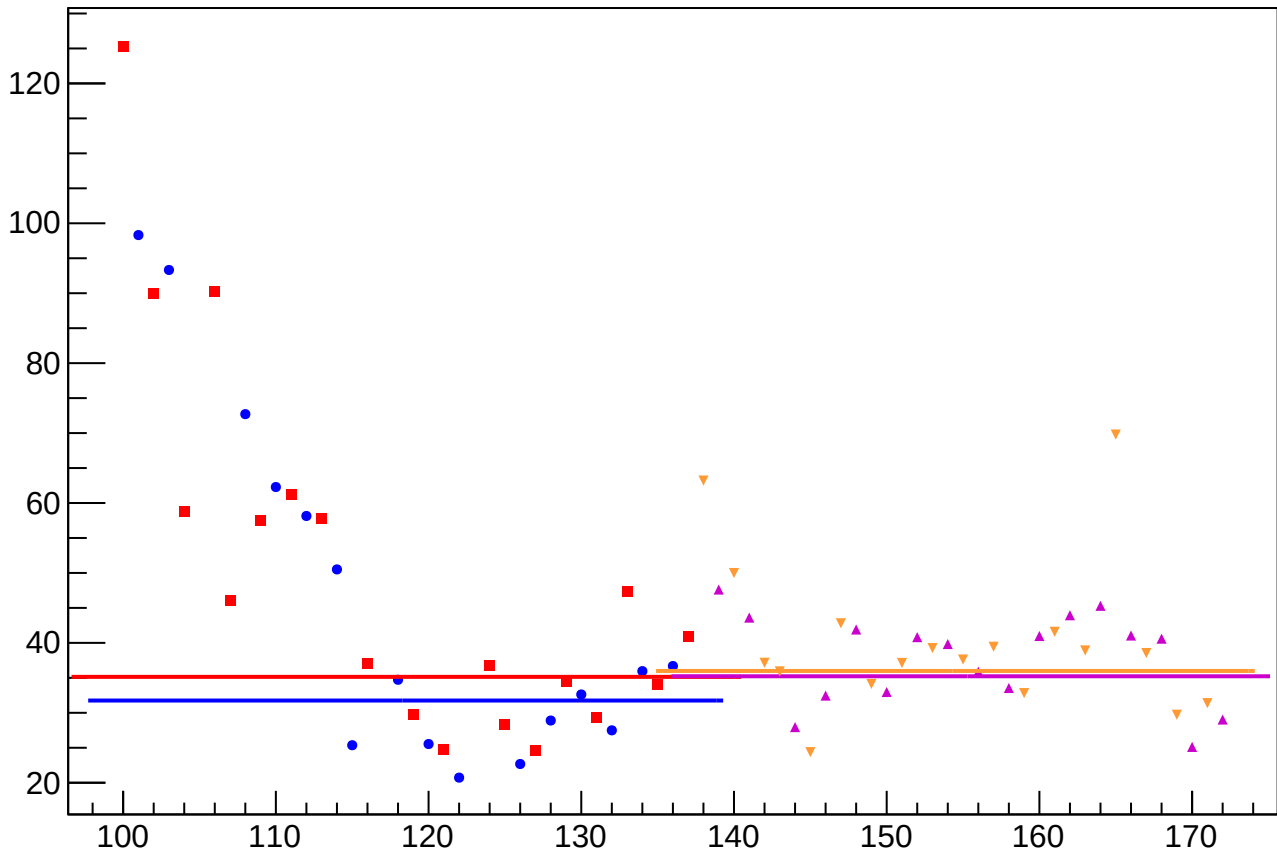
Left In: 0.009 ± 0.010 χ^2/NDF : 9.0/16

+ sign 0.004 ± 0.008 χ^2/NDF : 43.8/33

All: 0.006 ± 0.006 χ^2/NDF : 71.3/69

- sign 0.009 ± 0.008 χ^2/NDF : 27.3/35

asym_sam_26_48_dd_dit_vs_eigen_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

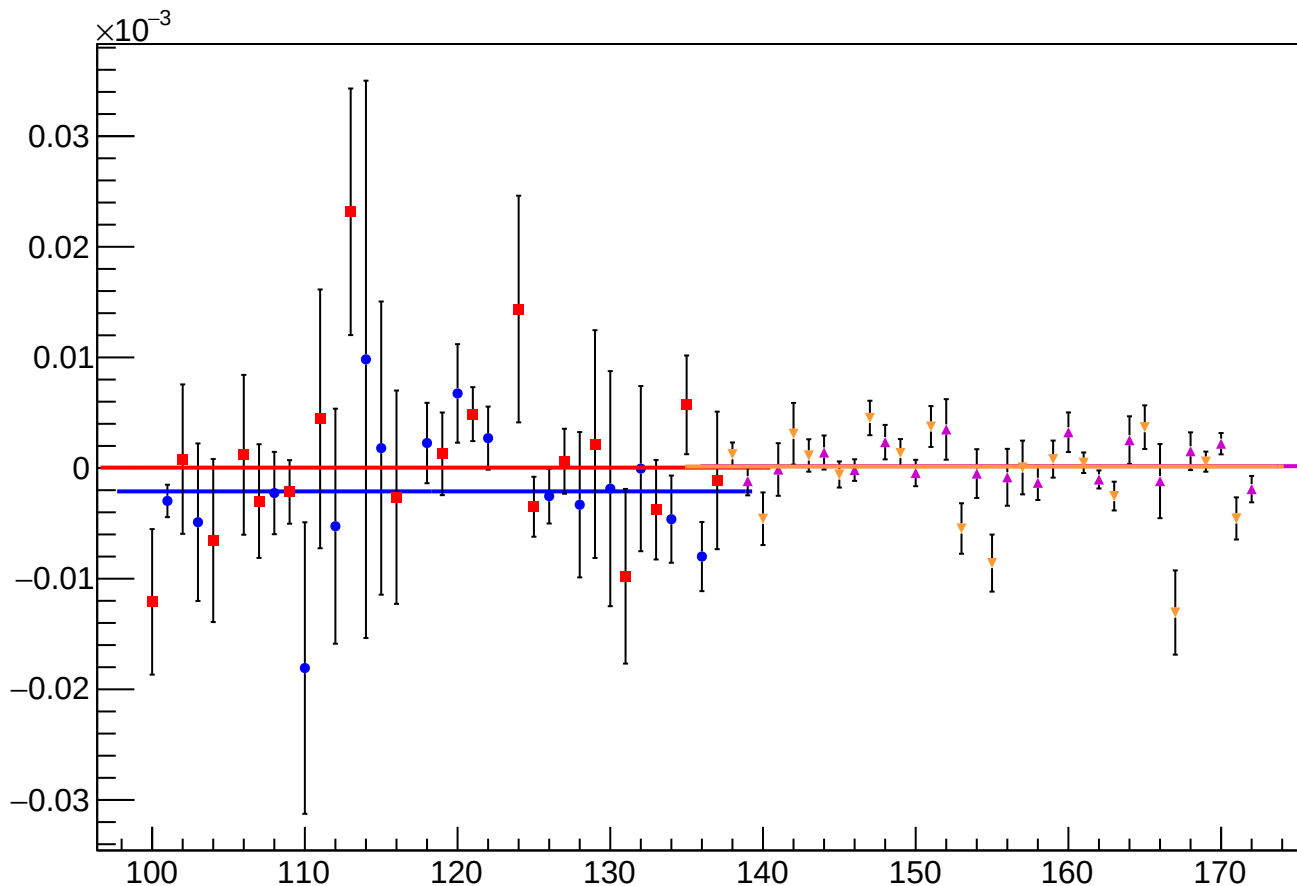
Left In: 35.224+/-0.007 χ^2/NDF : 921041.6/16

+ sign 34.448+/-0.006 χ^2/NDF : 3633248.5/33

All: 34.815+/-0.004 χ^2/NDF : 6407737.3/69

- sign 35.197+/-0.006 χ^2/NDF : 2765766.1/35

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

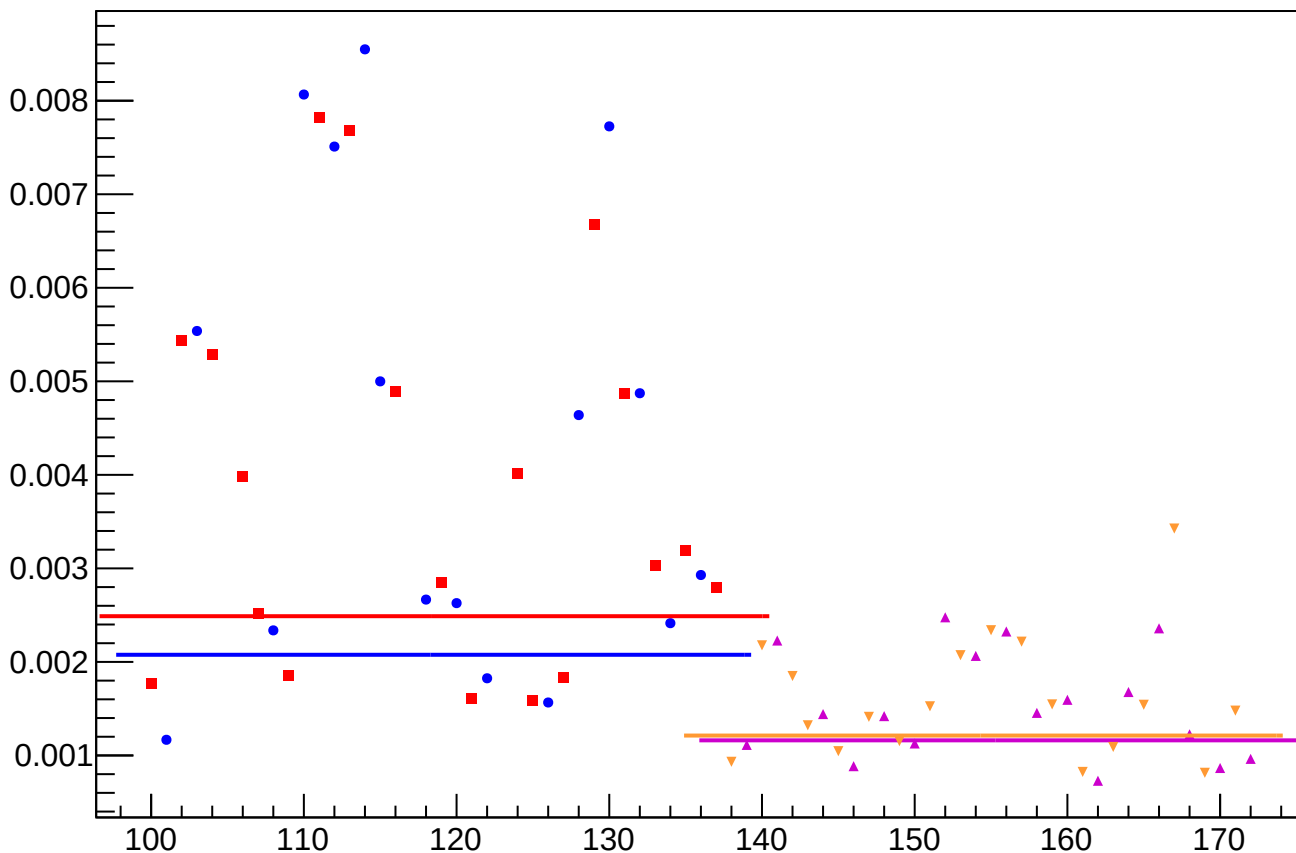
Left In: 0.000 ± 0.000 χ^2/NDF : 21.3/16

+ sign -0.000 ± 0.000 χ^2/NDF : 83.3/33

All: 0.000 ± 0.000 χ^2/NDF : 126.5/69

- sign 0.000 ± 0.000 χ^2/NDF : 42.7/35

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

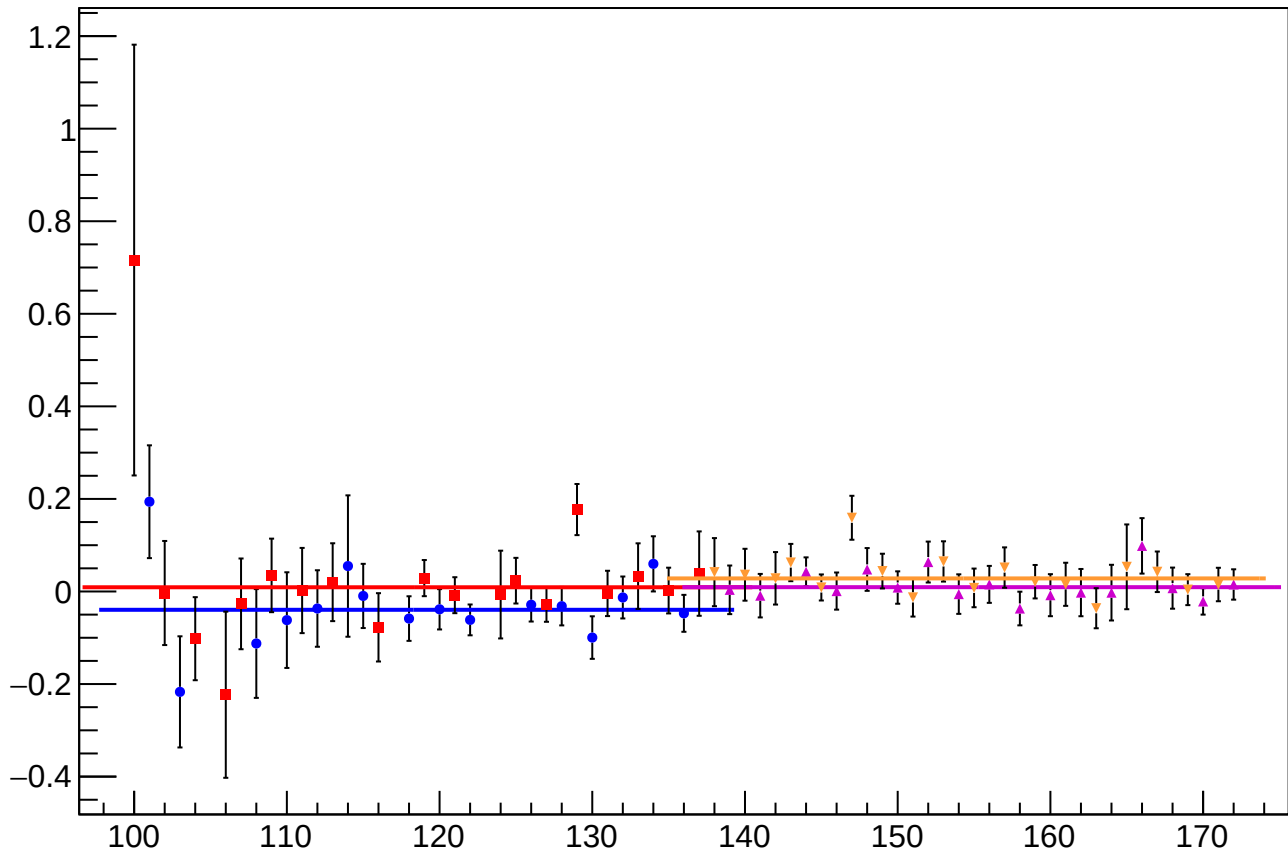
Left In: 0.001+/-0.000 χ^2/NDF : 3261524.2/16

+ sign 0.001+/-0.000 χ^2/NDF : 8814222.1/33

All: 0.001+/-0.000 χ^2/NDF : 18106145.0/69

- sign 0.001+/-0.000 χ^2/NDF : 9281477.1/35

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

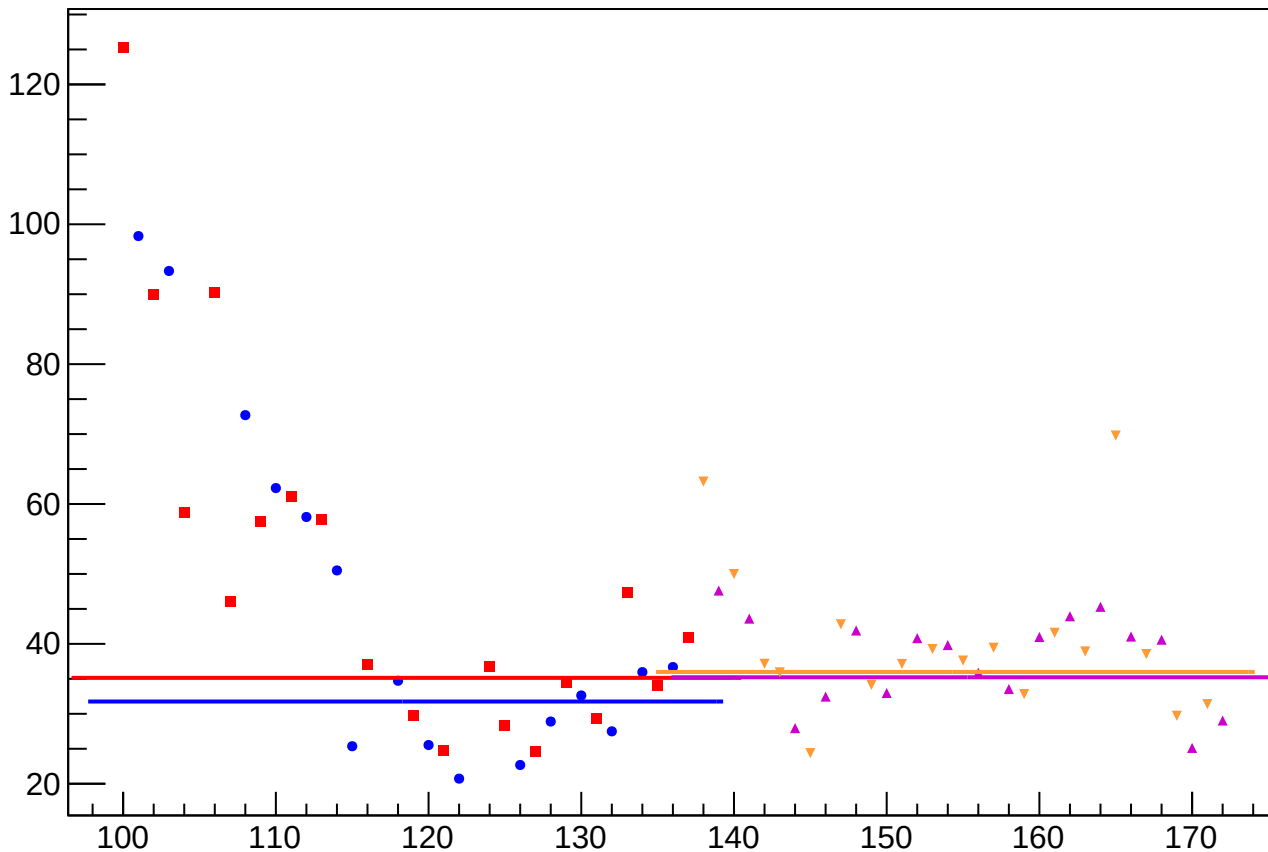
Left In: 0.009 ± 0.010 χ^2/NDF : 9.0/16

+ sign 0.004 ± 0.008 χ^2/NDF : 43.8/33

All: 0.006 ± 0.006 χ^2/NDF : 71.3/69

- sign 0.009 ± 0.008 χ^2/NDF : 27.2/35

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.756 $\pm$ 0.009 χ^2 /NDF: 2252373.4/15

Left Out: 35.985 $\pm$ 0.007 χ^2 /NDF: 1249403.9/17

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

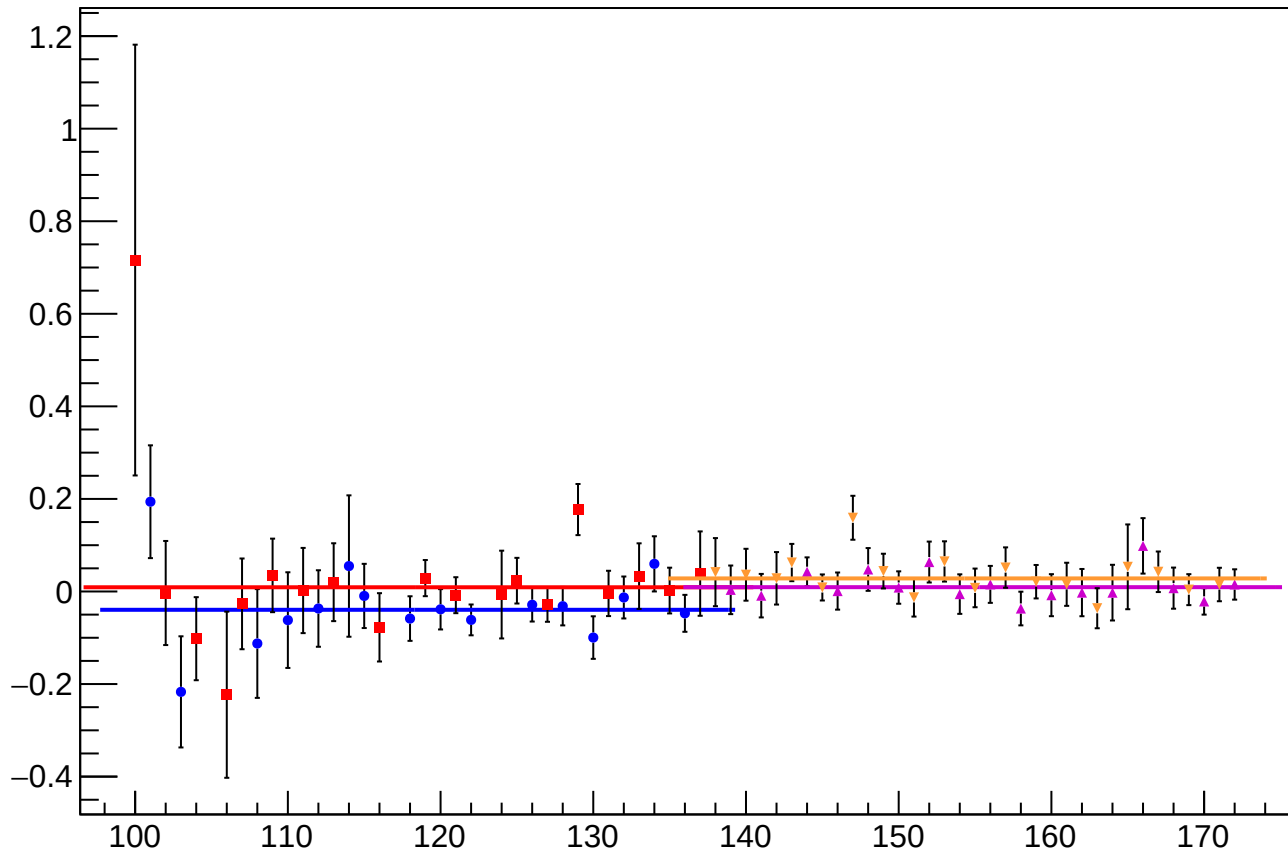
Left In: 35.224 $\pm$ 0.007 χ^2 /NDF: 921057.4/16

+ sign 34.448 $\pm$ 0.006 χ^2 /NDF: 3633227.0/33

All: 34.815 $\pm$ 0.004 χ^2 /NDF: 6407626.4/69

- sign 35.197 $\pm$ 0.006 χ^2 /NDF: 2765677.4/35

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040 ± 0.013 $\chi^2/\text{NDF}: 12.4/15$

Left Out: 0.028 ± 0.010 $\chi^2/\text{NDF}: 14.5/17$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 18.3/18$

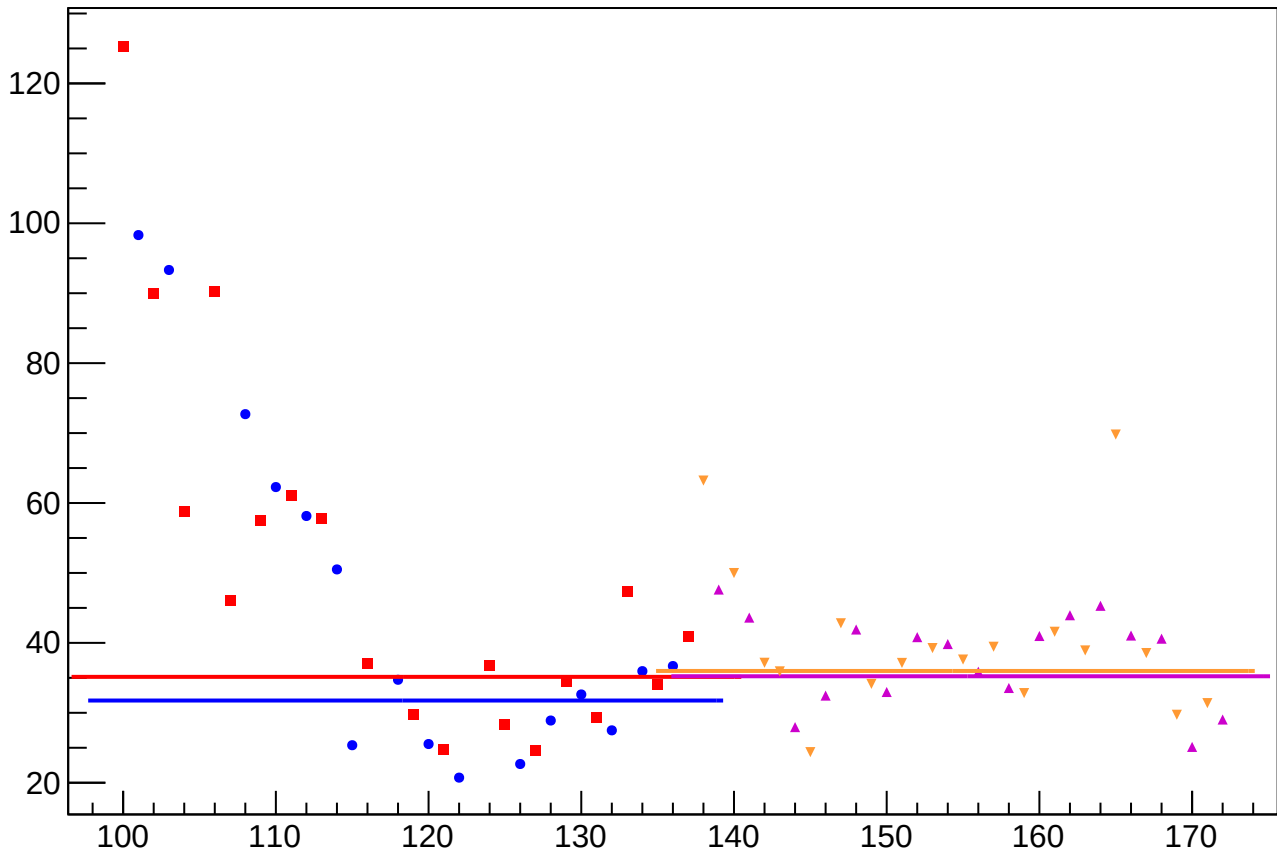
Left In: 0.009 ± 0.010 $\chi^2/\text{NDF}: 9.0/16$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 43.8/33$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 71.3/69$

- sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 27.2/35$

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.756 $\pm$ 0.009 χ^2 /NDF: 2252373.4/15

Left Out: 35.985 $\pm$ 0.007 χ^2 /NDF:1249403.9/17

Right Out: 35.140 $\pm$ 0.010 χ^2 /NDF: 1844572.3/18

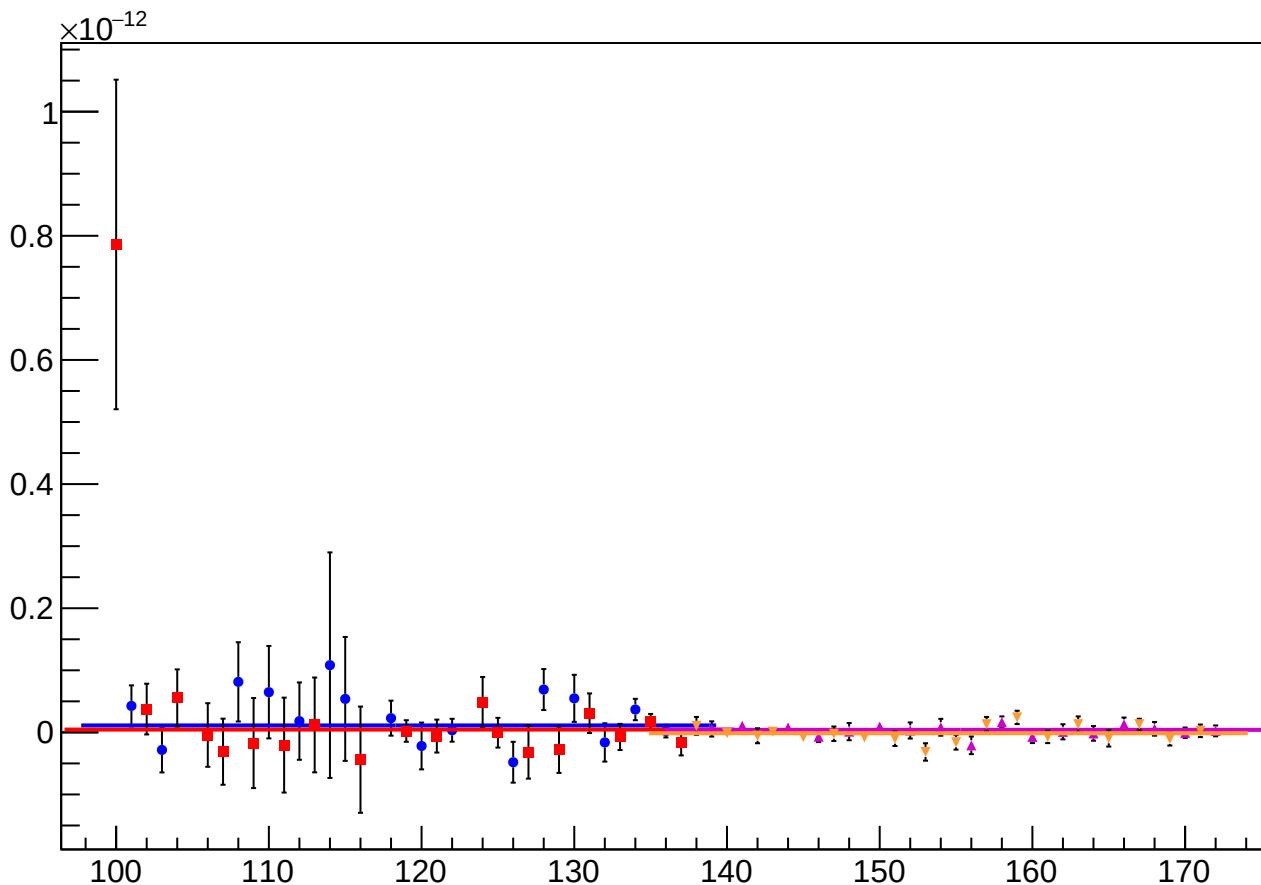
Left In: 35.224 $\pm$ 0.007 χ^2 /NDF:921057.4/16

+ sign 34.448 $\pm$ 0.006 χ^2 /NDF: 3633227.0/33

All: 34.815 $\pm$ 0.004 χ^2 /NDF: 6407626.4/69

- sign 35.197 $\pm$ 0.006 χ^2 /NDF: 2765677.4/35

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:21.7/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/18

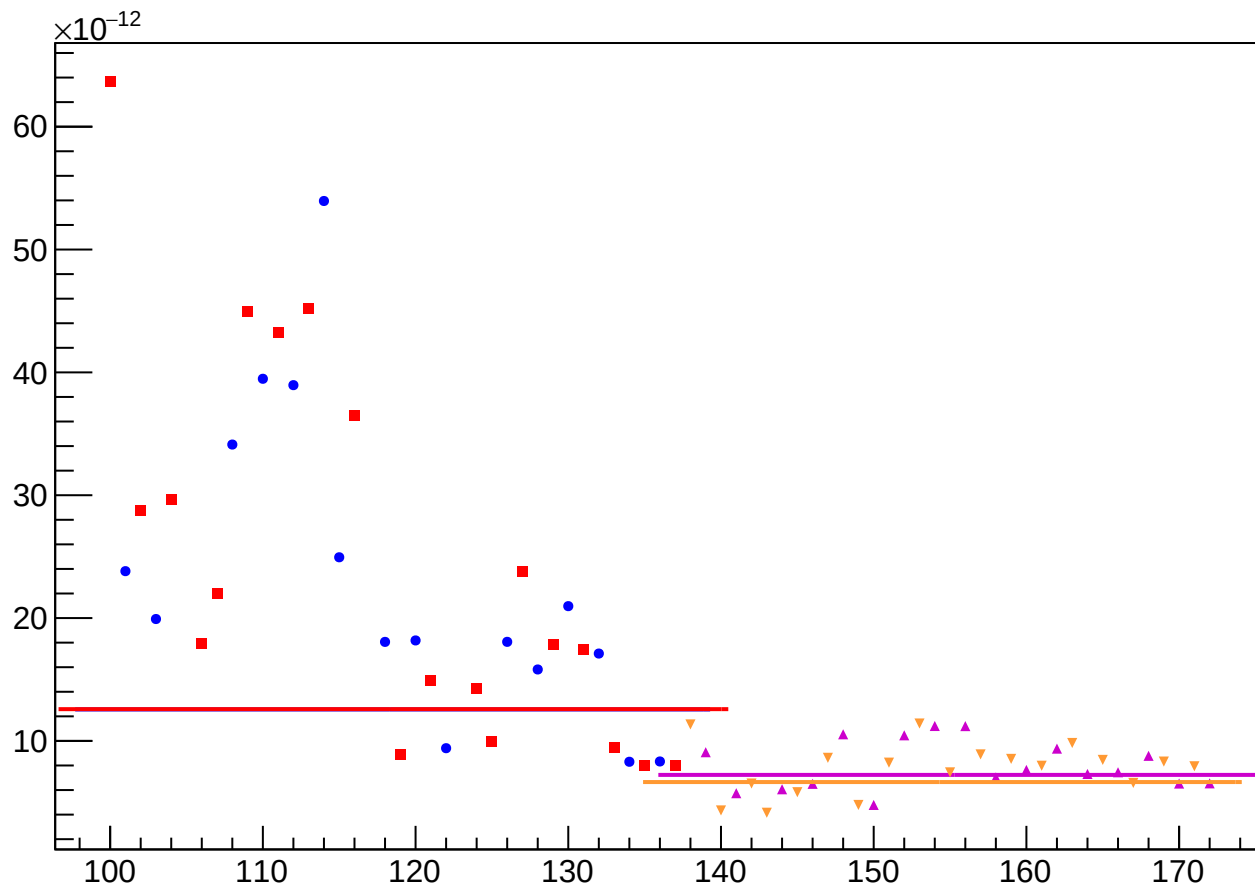
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:10.6/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 42.0/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 71.9/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.1/35

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2164553.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1731867.9/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2747891.7/18

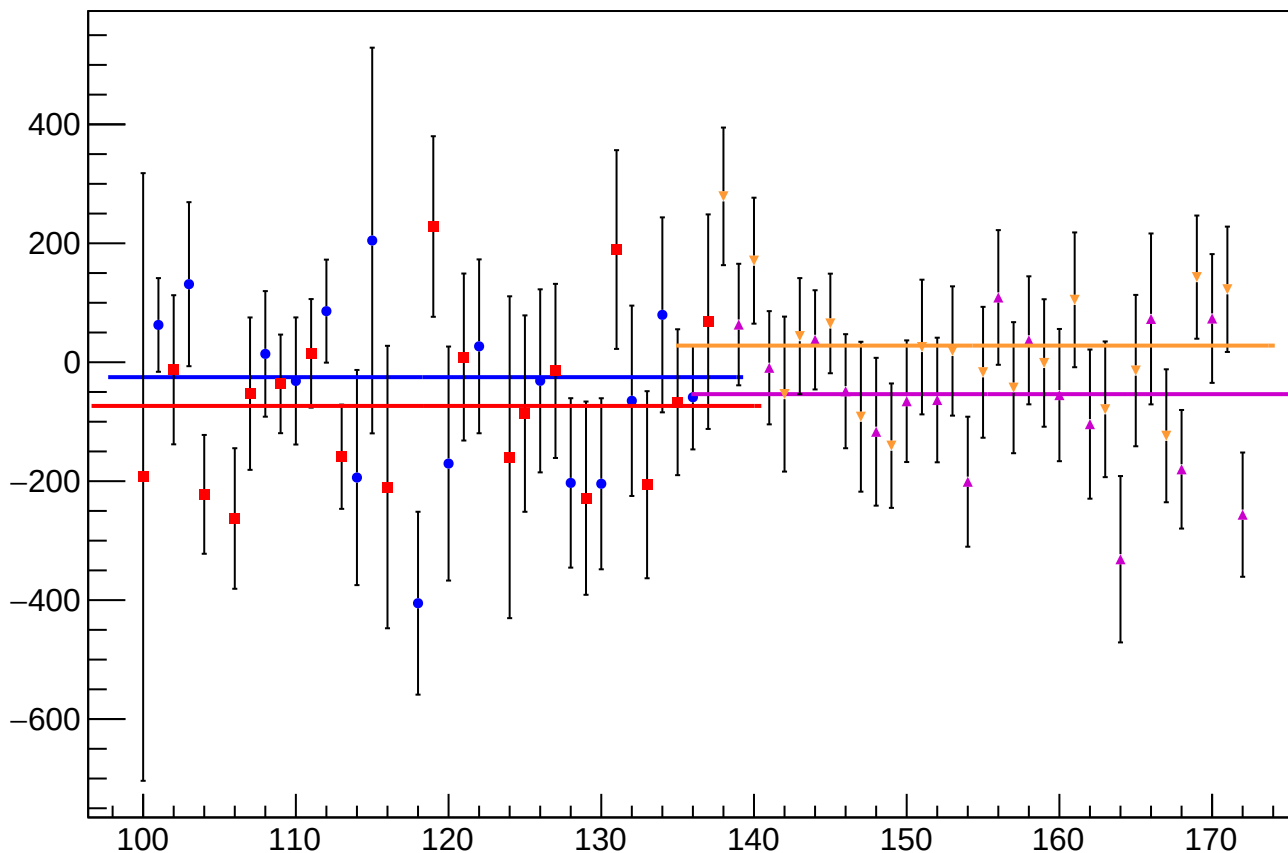
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1105995.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5395268.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10459956.2/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5001241.8/35

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.072 ± 31.230 $\chi^2/\text{NDF}: 16.2/15$

Left Out: 27.998 ± 25.658 $\chi^2/\text{NDF}: 16.6/17$

Right Out: -73.458 ± 29.935 $\chi^2/\text{NDF}: 16.8/18$

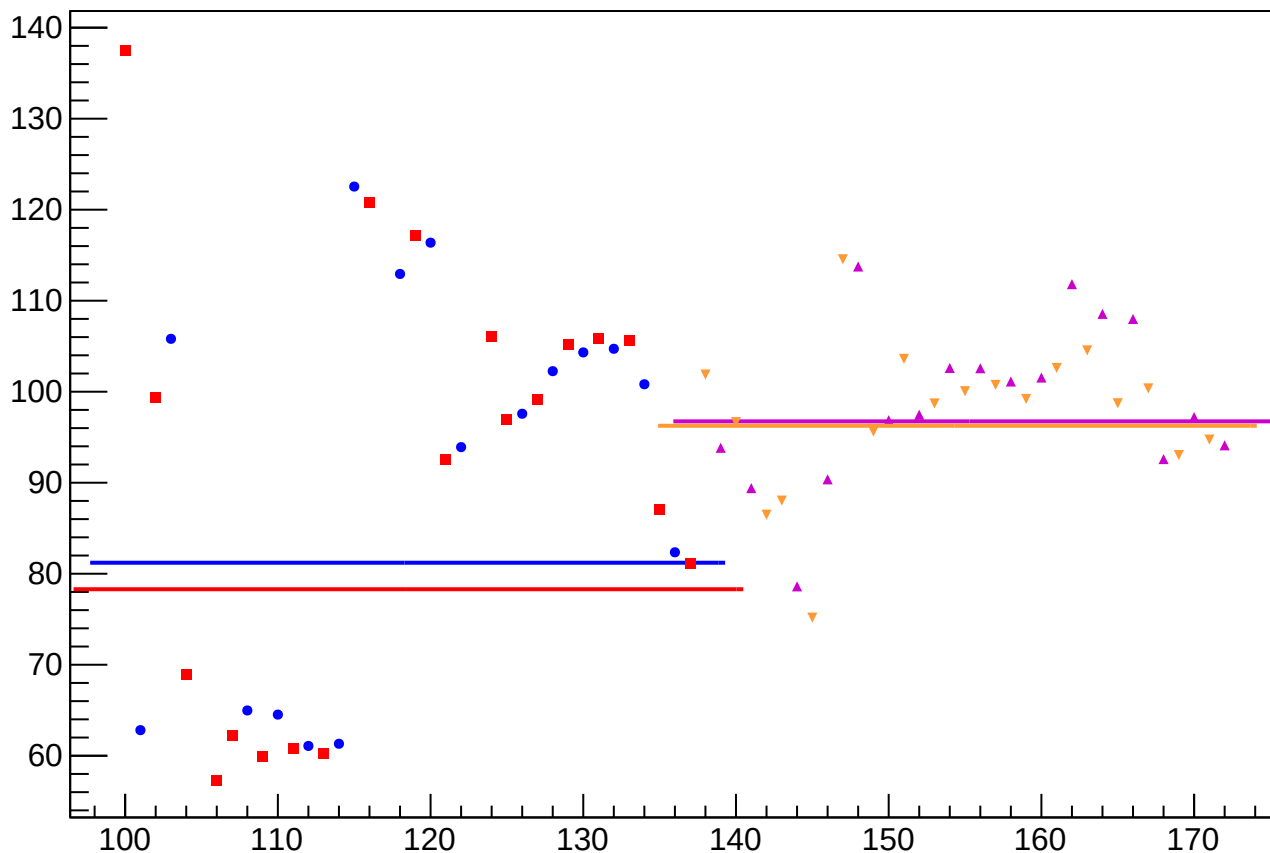
Left In: -53.646 ± 25.998 $\chi^2/\text{NDF}: 19.2/16$

+ sign 6.611 ± 19.825 $\chi^2/\text{NDF}: 34.5/33$

All: -28.119 ± 13.949 $\chi^2/\text{NDF}: 76.9/69$

- sign -62.164 ± 19.629 $\chi^2/\text{NDF}: 36.3/35$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787676.9/15

Left Out: 96.257 $\pm$ 0.018 χ^2 /NDF: 238491.6/17

Right Out: 78.298 $\pm$ 0.021 χ^2 /NDF: 934673.9/18

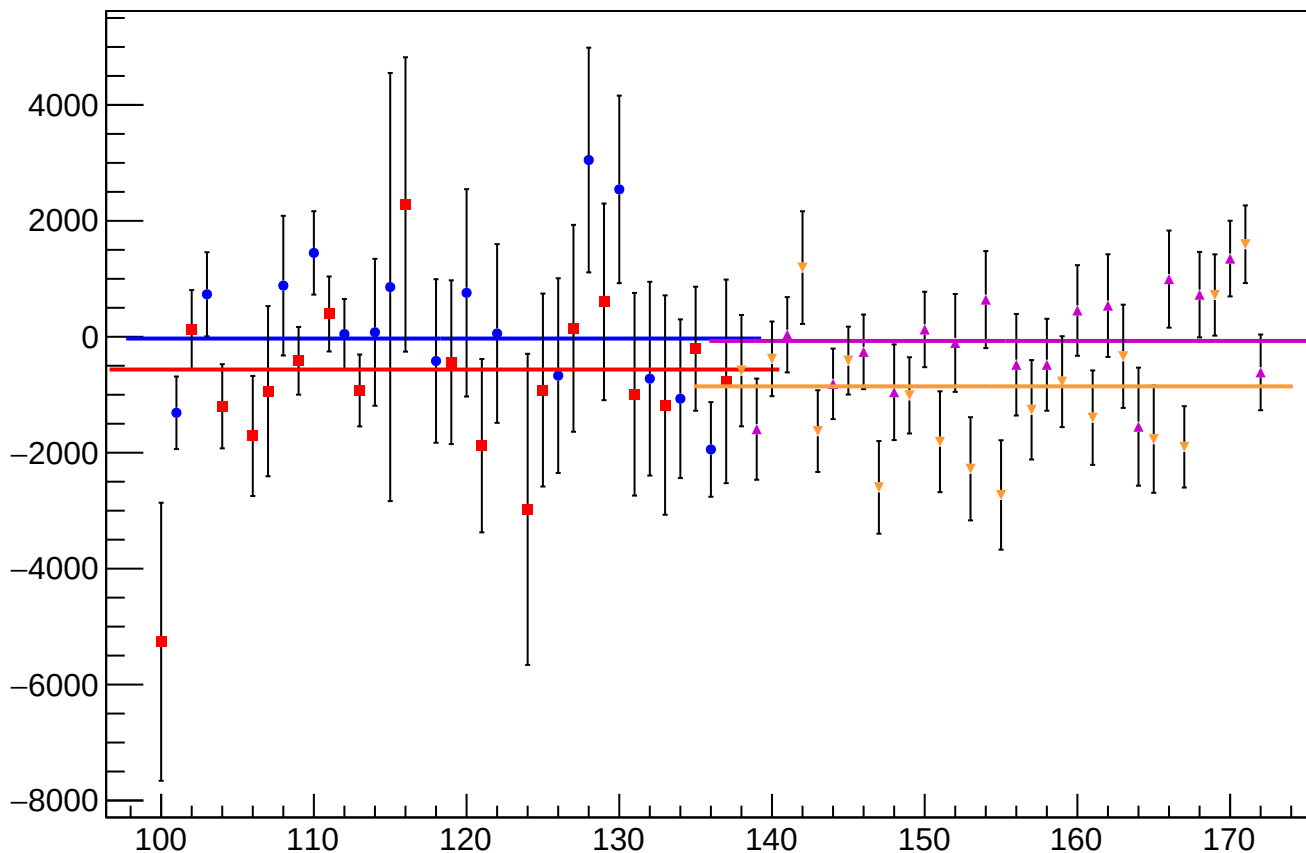
Left In: 96.742 $\pm$ 0.018 χ^2 /NDF: 232728.2/16

+ sign 90.193 $\pm$ 0.014 χ^2 /NDF: 1303387.1/33

All: 89.496 $\pm$ 0.010 χ^2 /NDF: 2908511.8/69

- sign 88.812 $\pm$ 0.014 χ^2 /NDF: 1600221.0/35

asym_sam_1548_avg_reg_correction_mean vs Slug



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

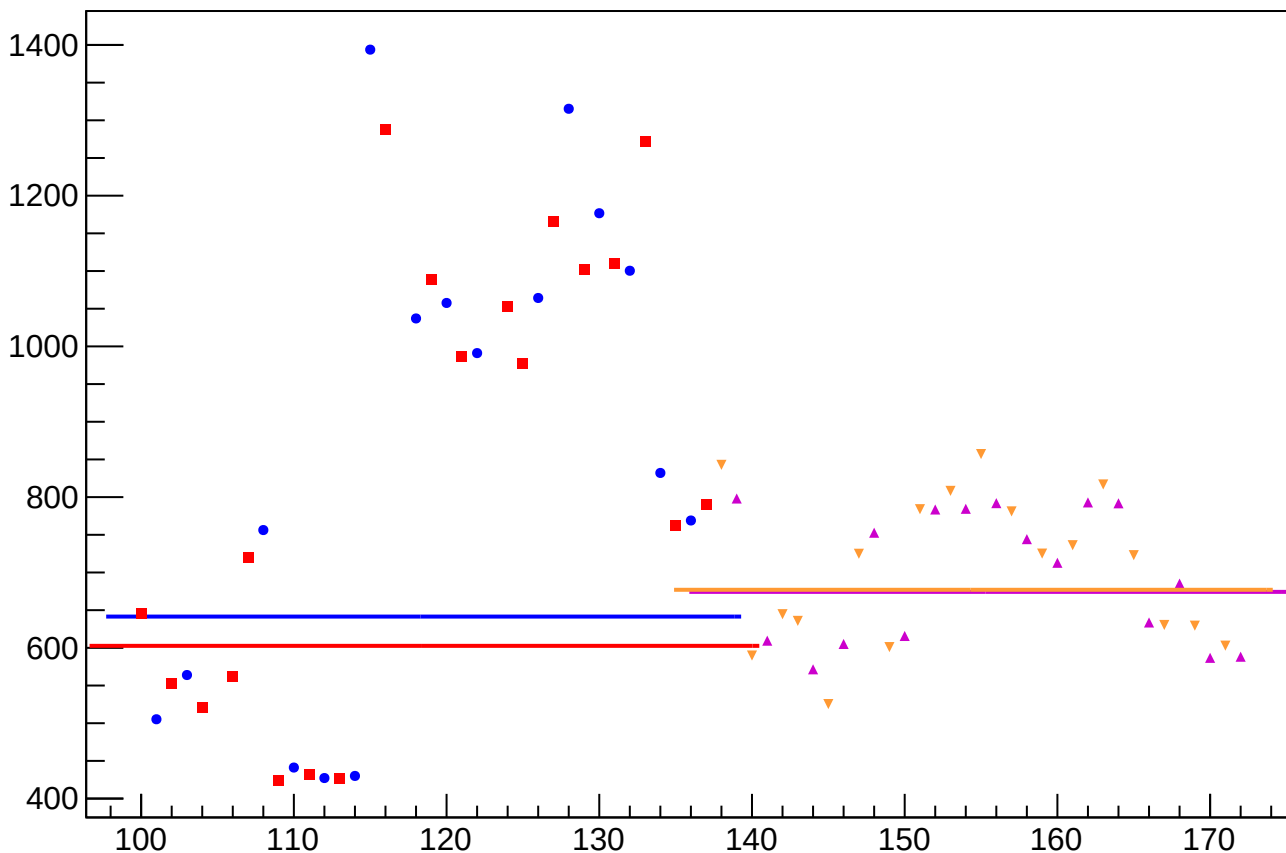
Left In: -71.418 ± 181.992 χ^2/NDF : 18.4/16

+ sign -580.114 ± 148.377 χ^2/NDF : 70.7/33

All: -412.442 ± 103.586 χ^2/NDF : 107.6/69

- sign -253.023 ± 144.679 χ^2/NDF : 34.4/35

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 641.499 $\pm$ 0.182 χ^2 /NDF: 1874990.8/15

Left Out: 677.040 $\pm$ 0.128 χ^2 /NDF: 564146.9/17

Right Out: 602.654 $\pm$ 0.169 χ^2 /NDF: 2070307.7/18

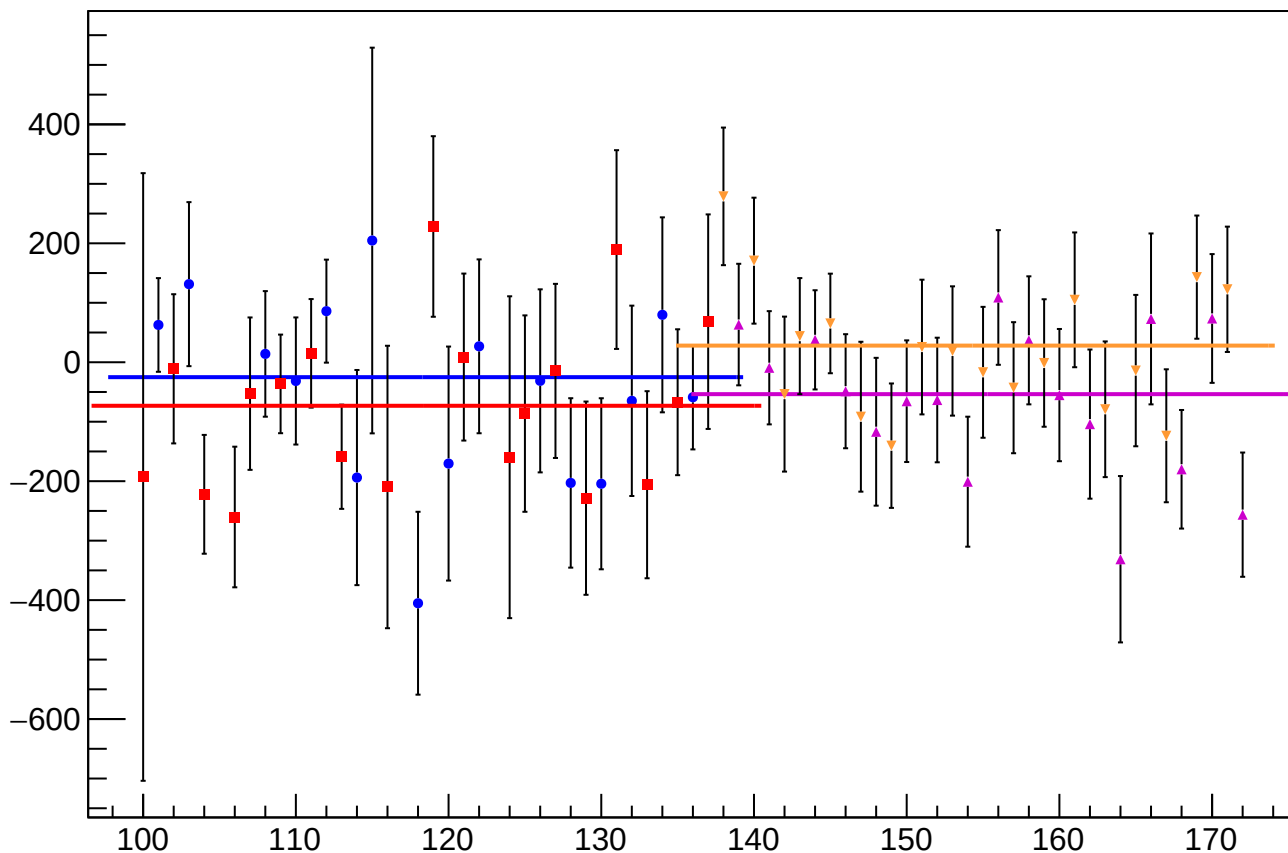
Left In: 674.276 $\pm$ 0.129 χ^2 /NDF: 437865.6/16

+ sign 665.193 $\pm$ 0.105 χ^2 /NDF: 2464638.6/33

All: 656.338 $\pm$ 0.073 χ^2 /NDF: 5100703.9/69

- sign 647.918 $\pm$ 0.102 χ^2 /NDF: 2622167.4/35

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 $\pm$ 31.230 χ^2/NDF : 16.2/15

Left Out: 28.000 $\pm$ 25.658 χ^2/NDF : 16.6/17

Right Out: -73.193 $\pm$ 29.937 χ^2/NDF : 16.7/18

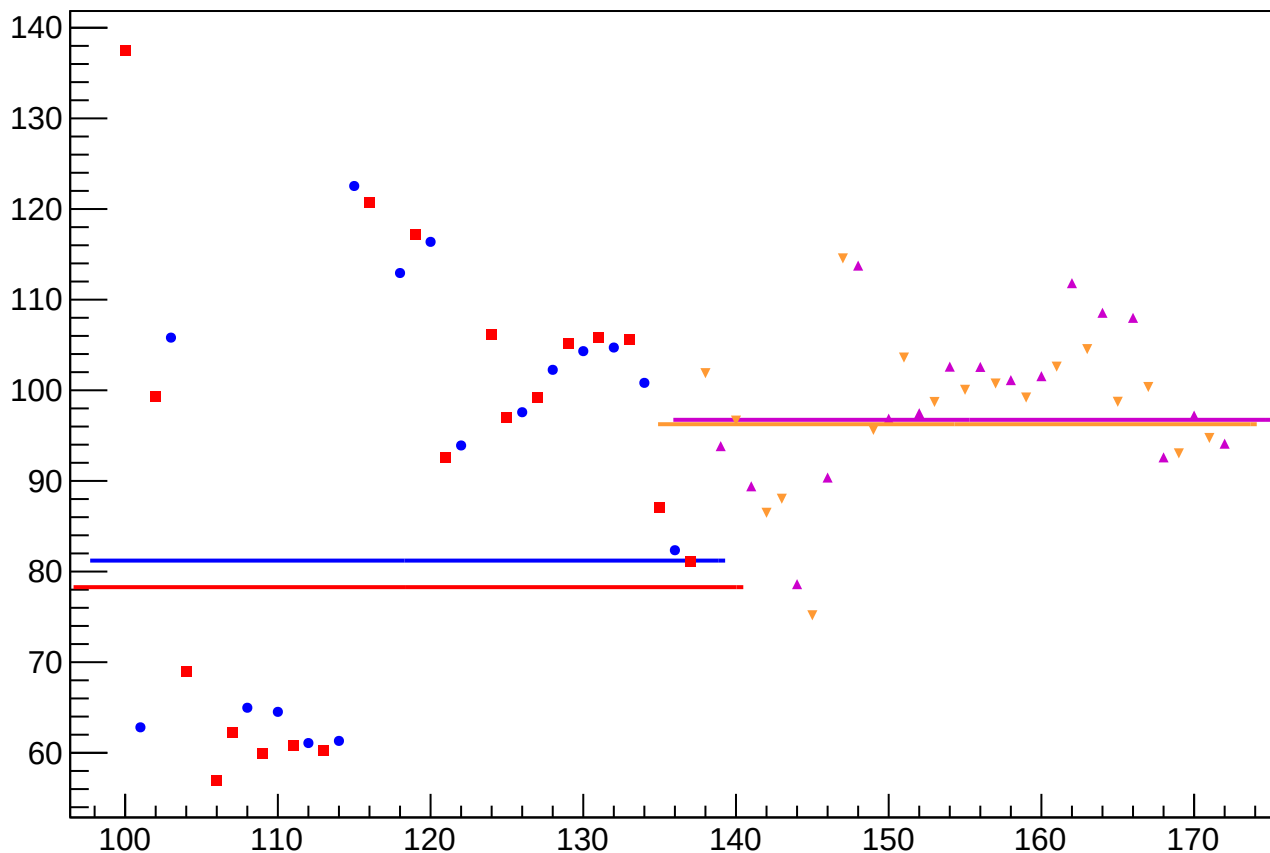
Left In: -53.645 $\pm$ 25.998 χ^2/NDF : 19.2/16

+ sign 6.611 $\pm$ 19.825 χ^2/NDF : 34.5/33

All: -28.060 $\pm$ 13.949 χ^2/NDF : 76.8/69

- sign -62.049 $\pm$ 19.629 χ^2/NDF : 36.2/35

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

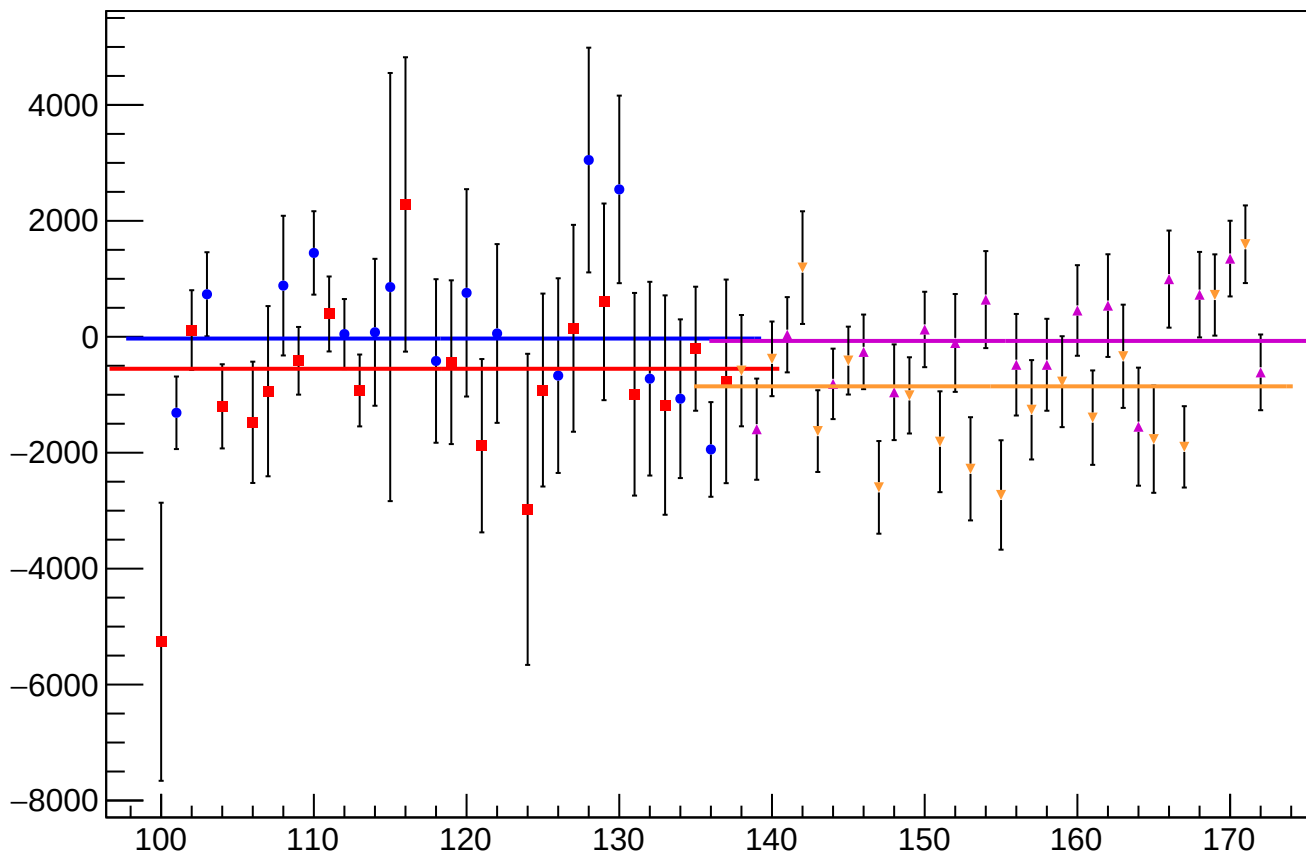
Left In: 96.742 ± 0.018 χ^2/NDF : 232728.2/16

+ sign 90.193 ± 0.014 χ^2/NDF : 1303388.8/33

All: 89.492 ± 0.010 χ^2/NDF : 2911550.0/69

- sign 88.804 ± 0.014 χ^2/NDF : 1603204.5/35

asym_sam_1548_avg_cor_correction_mean vs Slug



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

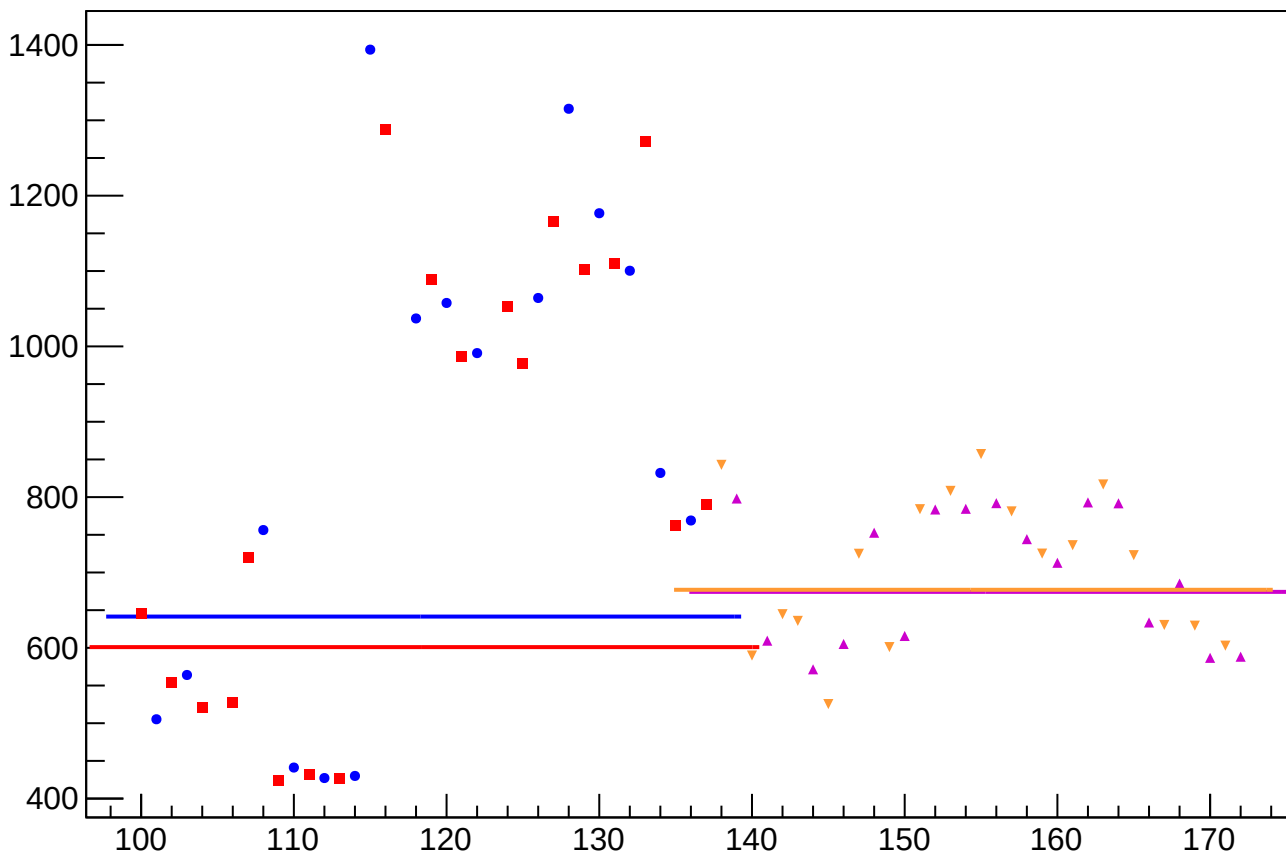
Left In: -71.422 ± 181.992 χ^2/NDF : 18.4/16

+ sign -580.125 ± 148.377 χ^2/NDF : 70.7/33

All: -409.973 ± 103.598 χ^2/NDF : 107.0/69

- sign -248.124 ± 144.712 χ^2/NDF : 33.7/35

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 641.507 $\pm$ 0.182 χ^2 /NDF: 1874950.0/15

Left Out: 677.040 $\pm$ 0.128 χ^2 /NDF: 564148.3/17

Right Out: 600.975 $\pm$ 0.169 χ^2 /NDF: 2077232.5/18

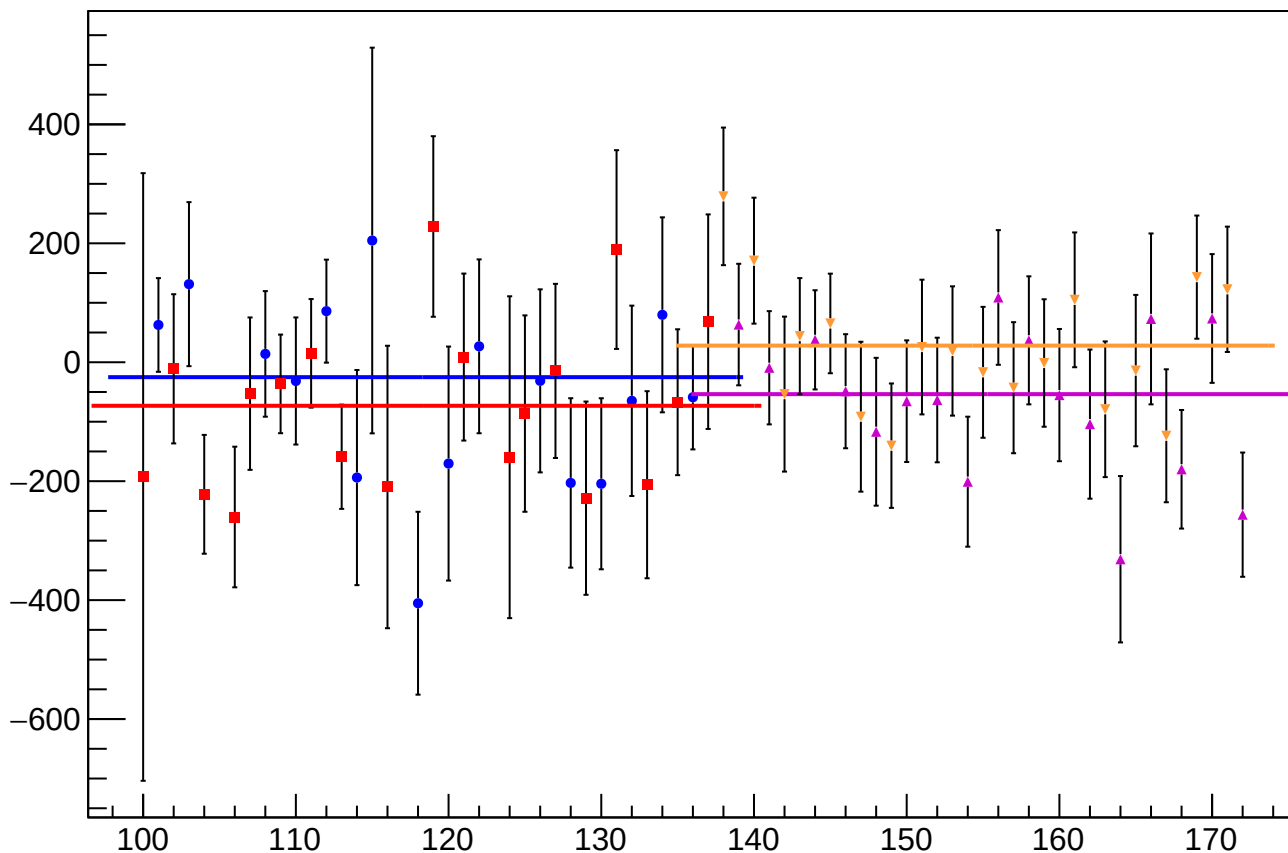
Left In: 674.276 $\pm$ 0.129 χ^2 /NDF: 437865.5/16

+ sign 665.196 $\pm$ 0.105 χ^2 /NDF: 2464585.8/33

All: 656.035 $\pm$ 0.073 χ^2 /NDF: 5113865.1/69

- sign 647.321 $\pm$ 0.102 χ^2 /NDF: 2634403.3/35

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.075 $\pm$ 31.230 χ^2/NDF : 16.2/15

Left Out: 28.000 $\pm$ 25.658 χ^2/NDF : 16.6/17

Right Out: -73.193 $\pm$ 29.937 χ^2/NDF : 16.7/18

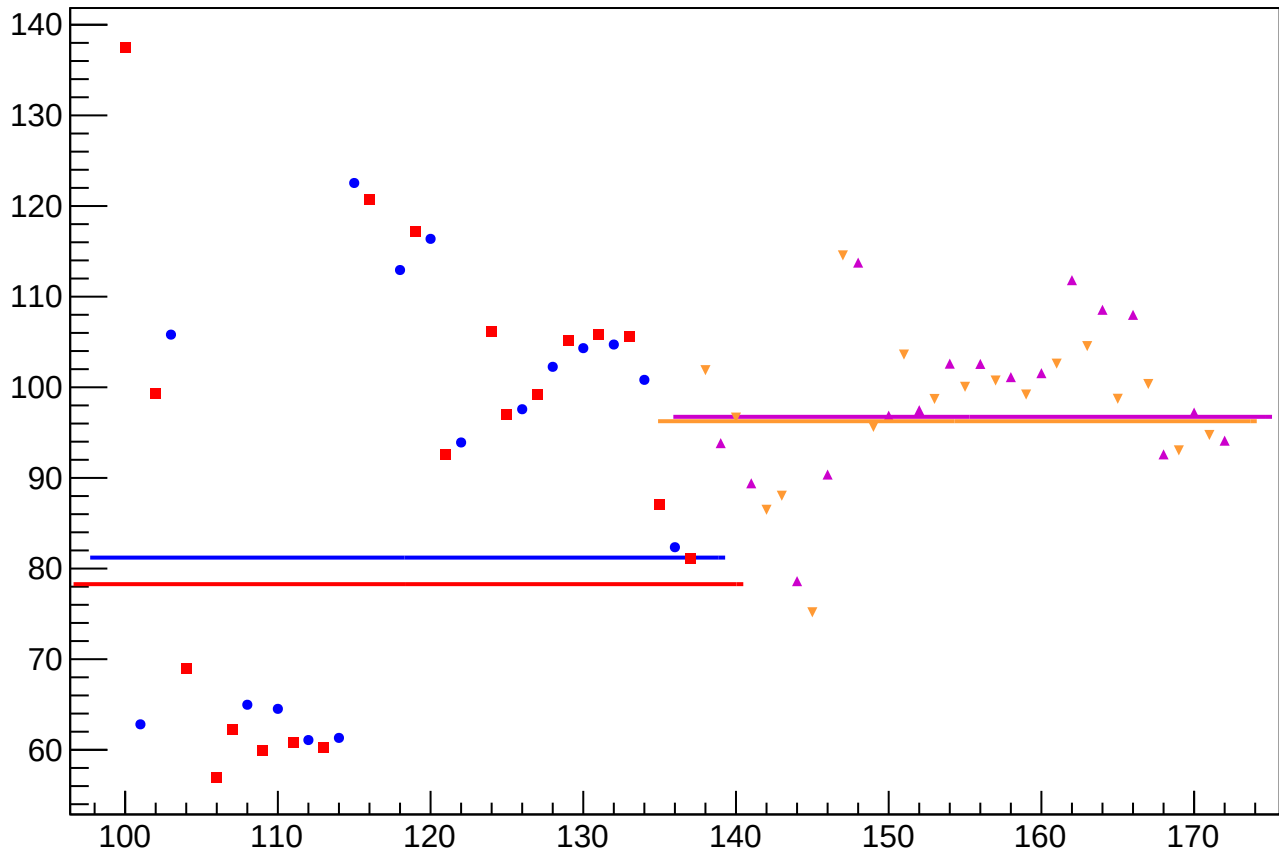
Left In: -53.645 $\pm$ 25.998 χ^2/NDF : 19.2/16

+ sign 6.611 $\pm$ 19.825 χ^2/NDF : 34.5/33

All: -28.060 $\pm$ 13.949 χ^2/NDF : 76.8/69

- sign -62.049 $\pm$ 19.629 χ^2/NDF : 36.2/35

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.210 $\pm$ 0.022 χ^2 /NDF: 787679.3/15

Left Out: 96.257 $\pm$ 0.018 χ^2 /NDF: 238491.6/17

Right Out: 78.279 $\pm$ 0.021 χ^2 /NDF: 936812.2/18

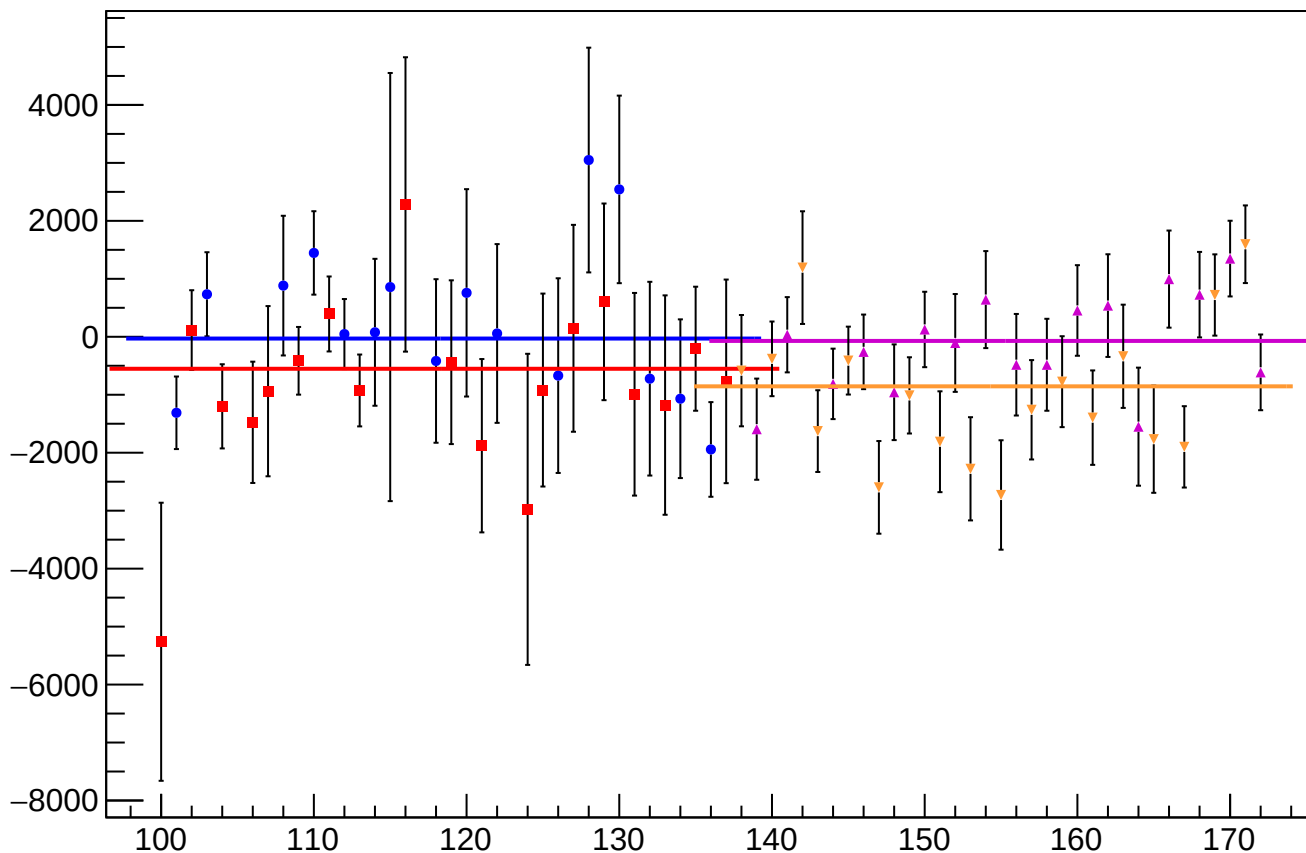
Left In: 96.742 $\pm$ 0.018 χ^2 /NDF: 232728.2/16

+ sign 90.193 $\pm$ 0.014 χ^2 /NDF: 1303388.8/33

All: 89.492 $\pm$ 0.010 χ^2 /NDF: 2911550.0/69

- sign 88.804 $\pm$ 0.014 χ^2 /NDF: 1603204.5/35

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



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

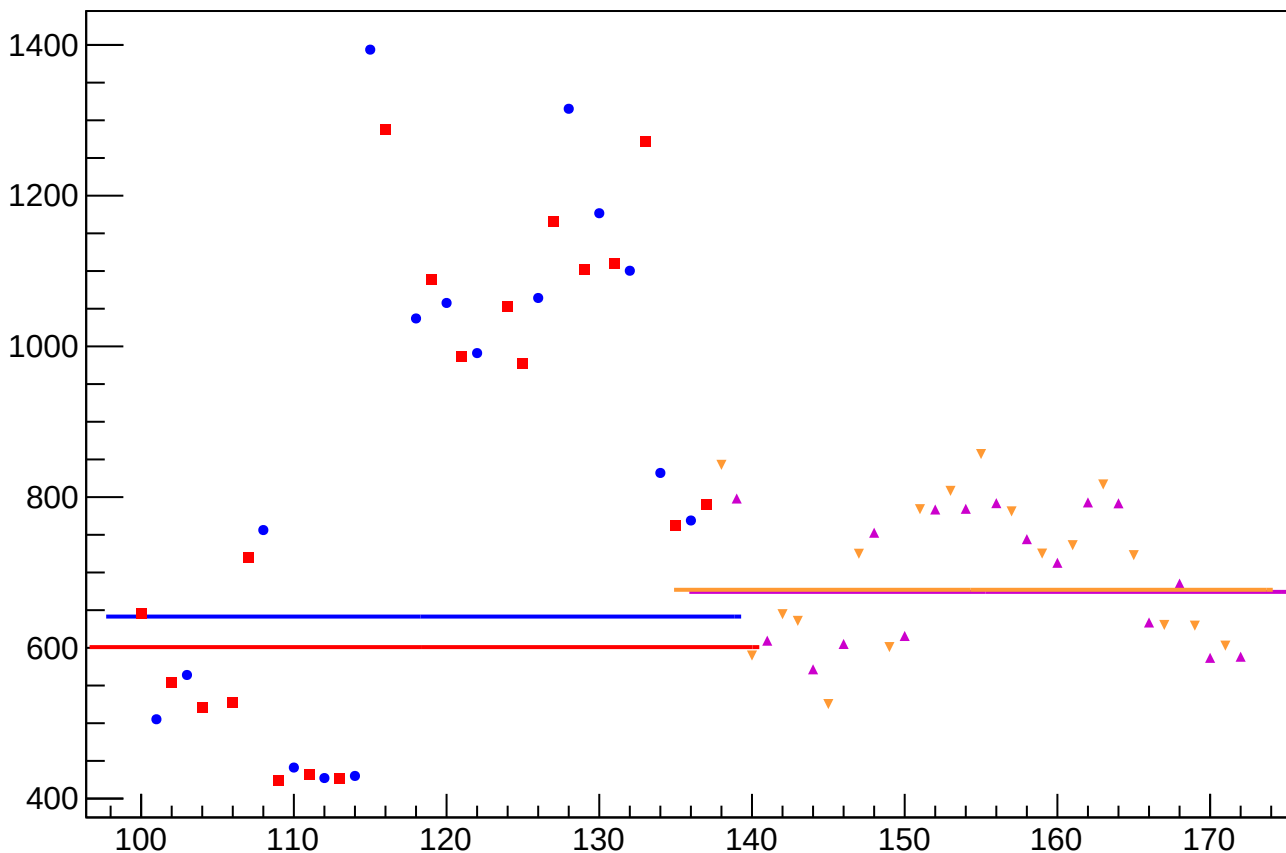
Left In: -71.422 ± 181.992 χ^2/NDF : 18.4/16

+ sign -580.125 ± 148.377 χ^2/NDF : 70.7/33

All: -409.973 ± 103.598 χ^2/NDF : 107.0/69

- sign -248.124 ± 144.712 χ^2/NDF : 33.7/35

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 641.507 $\pm$ 0.182 χ^2 /NDF: 1874950.0/15

Left Out: 677.040 $\pm$ 0.128 χ^2 /NDF: 564148.3/17

Right Out: 600.975 $\pm$ 0.169 χ^2 /NDF: 2077232.5/18

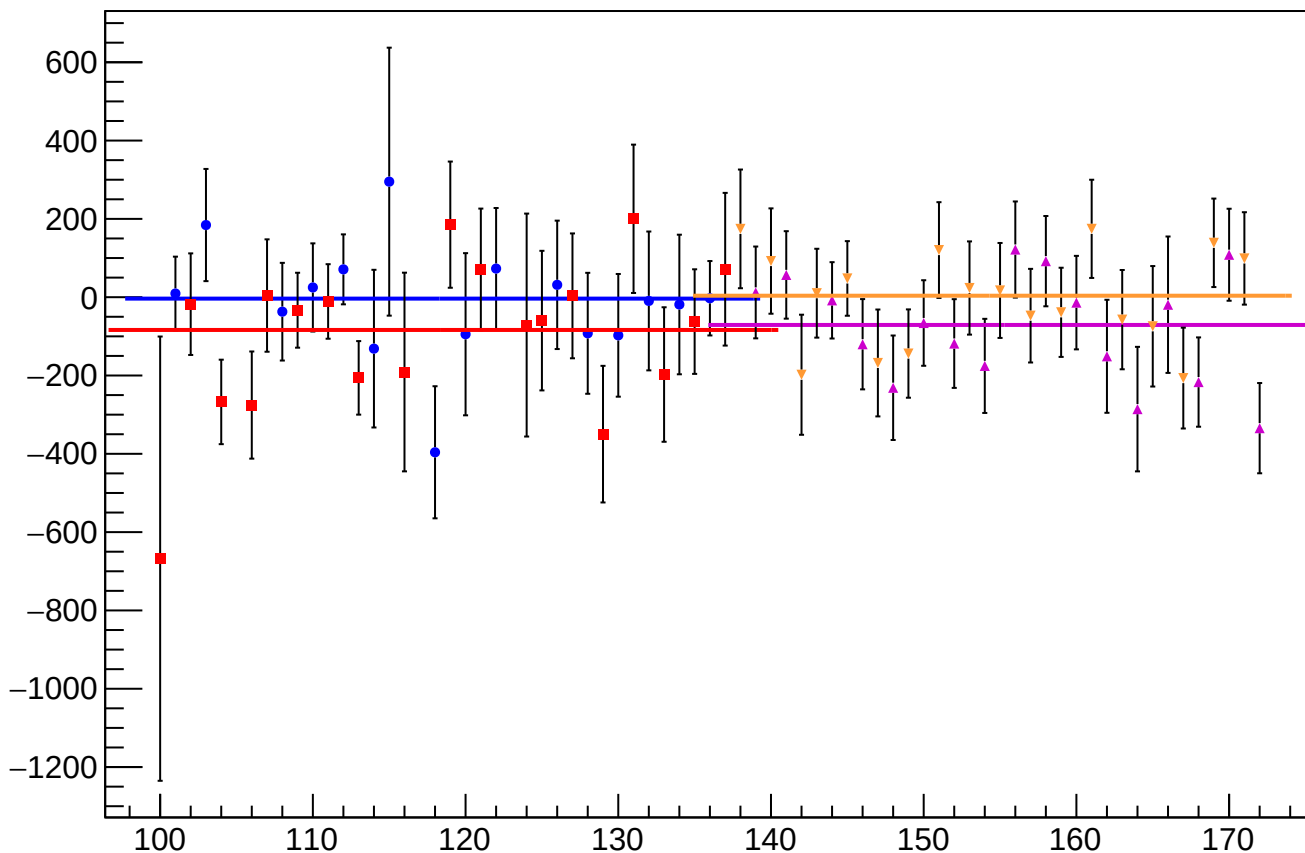
Left In: 674.276 $\pm$ 0.129 χ^2 /NDF: 437865.5/16

+ sign 665.196 $\pm$ 0.105 χ^2 /NDF: 2464585.8/33

All: 656.035 $\pm$ 0.073 χ^2 /NDF: 5113865.1/69

- sign 647.321 $\pm$ 0.102 χ^2 /NDF: 2634403.3/35

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.635 $\pm$ 34.152 χ^2/NDF : 10.3/15

Left Out: 3.788 $\pm$ 28.958 χ^2/NDF : 15.3/17

Right Out: -83.676 $\pm$ 32.633 χ^2/NDF : 19.1/18

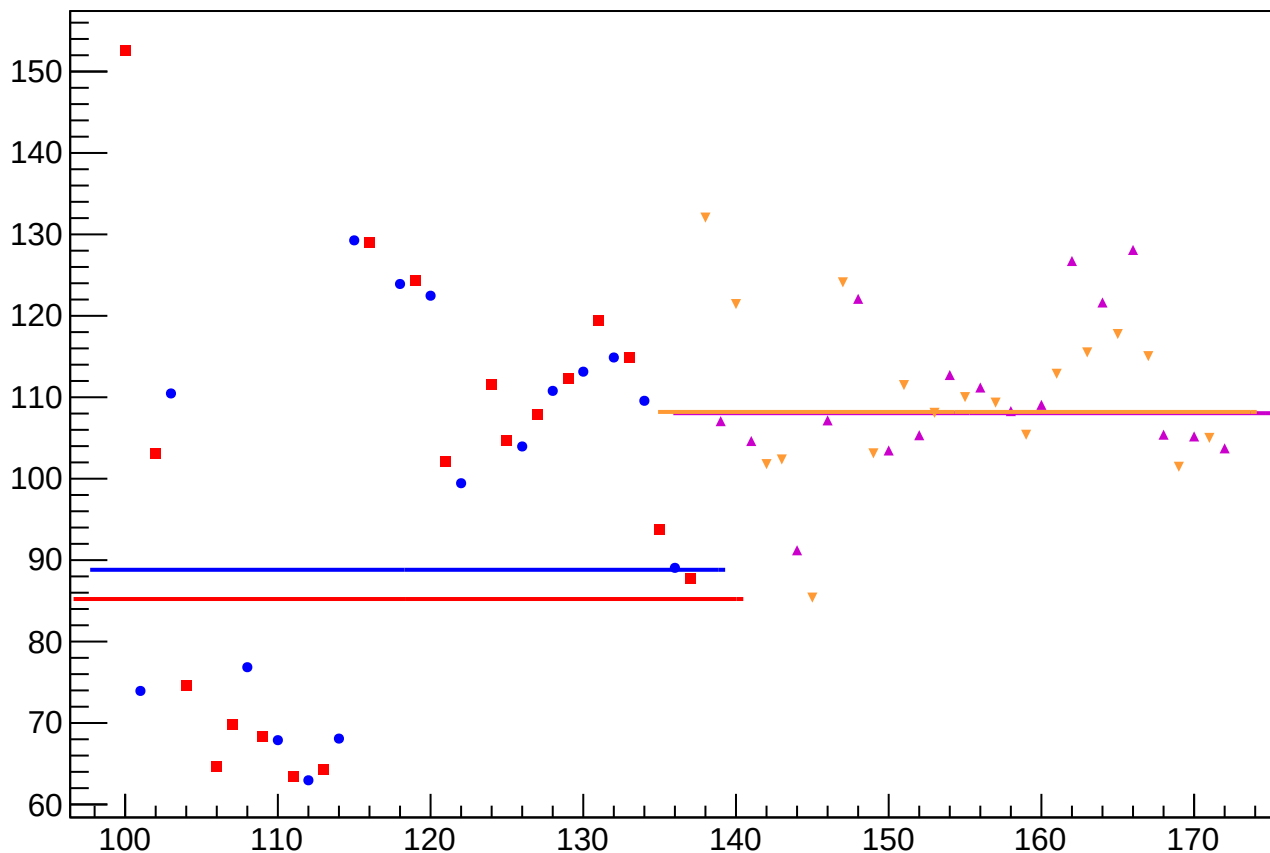
Left In: -70.895 $\pm$ 29.143 χ^2/NDF : 20.9/16

+ sign 0.683 $\pm$ 22.087 χ^2/NDF : 25.7/33

All: -38.559 $\pm$ 15.493 χ^2/NDF : 71.9/69

- sign -76.566 $\pm$ 21.737 χ^2/NDF : 40.0/35

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

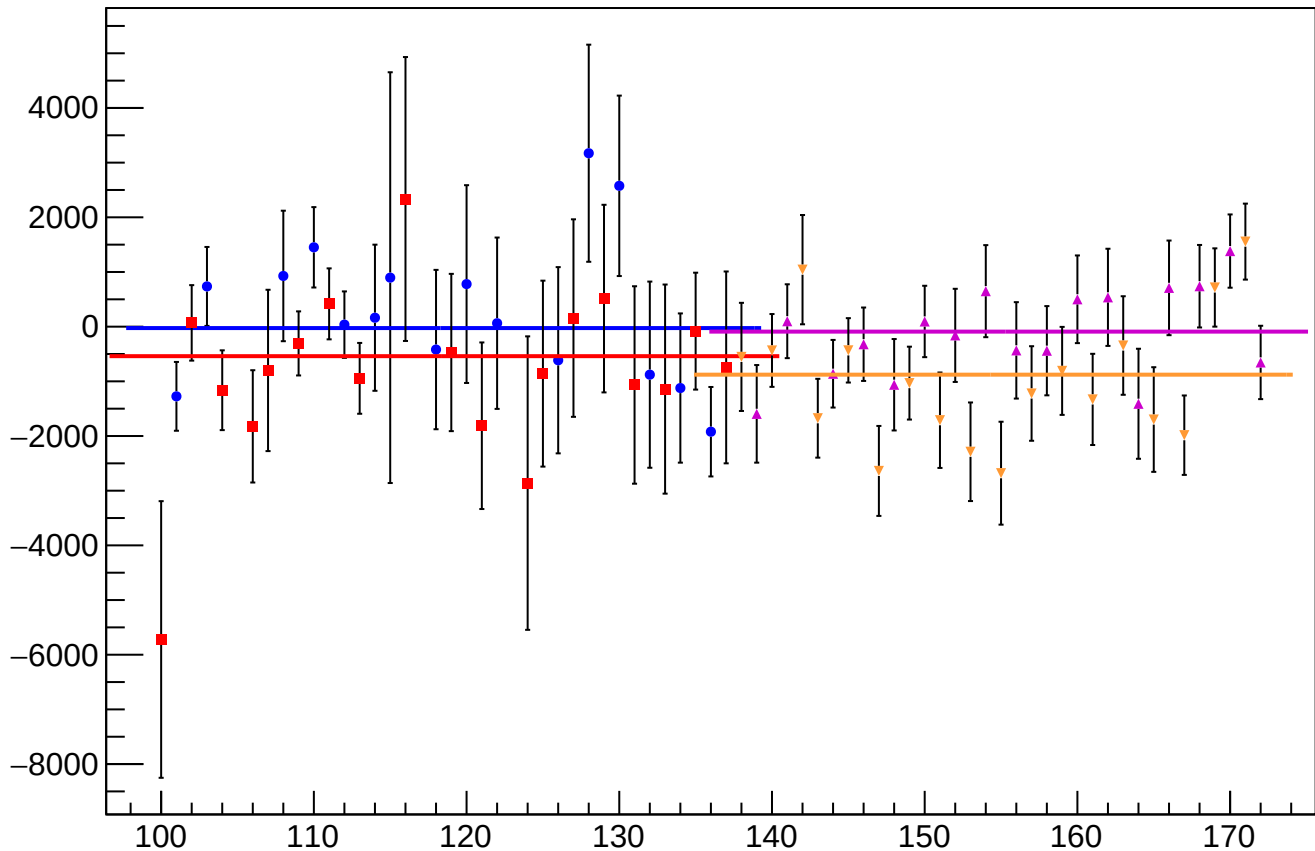
Left In: 108.044+/-0.021 χ^2/NDF : 172823.2/16

+ sign 100.091+/-0.016 χ^2/NDF : 1357692.5/33

All: 98.988+/-0.011 χ^2/NDF : 2968464.1/69

- sign 97.919+/-0.015 χ^2/NDF : 1600950.7/35

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

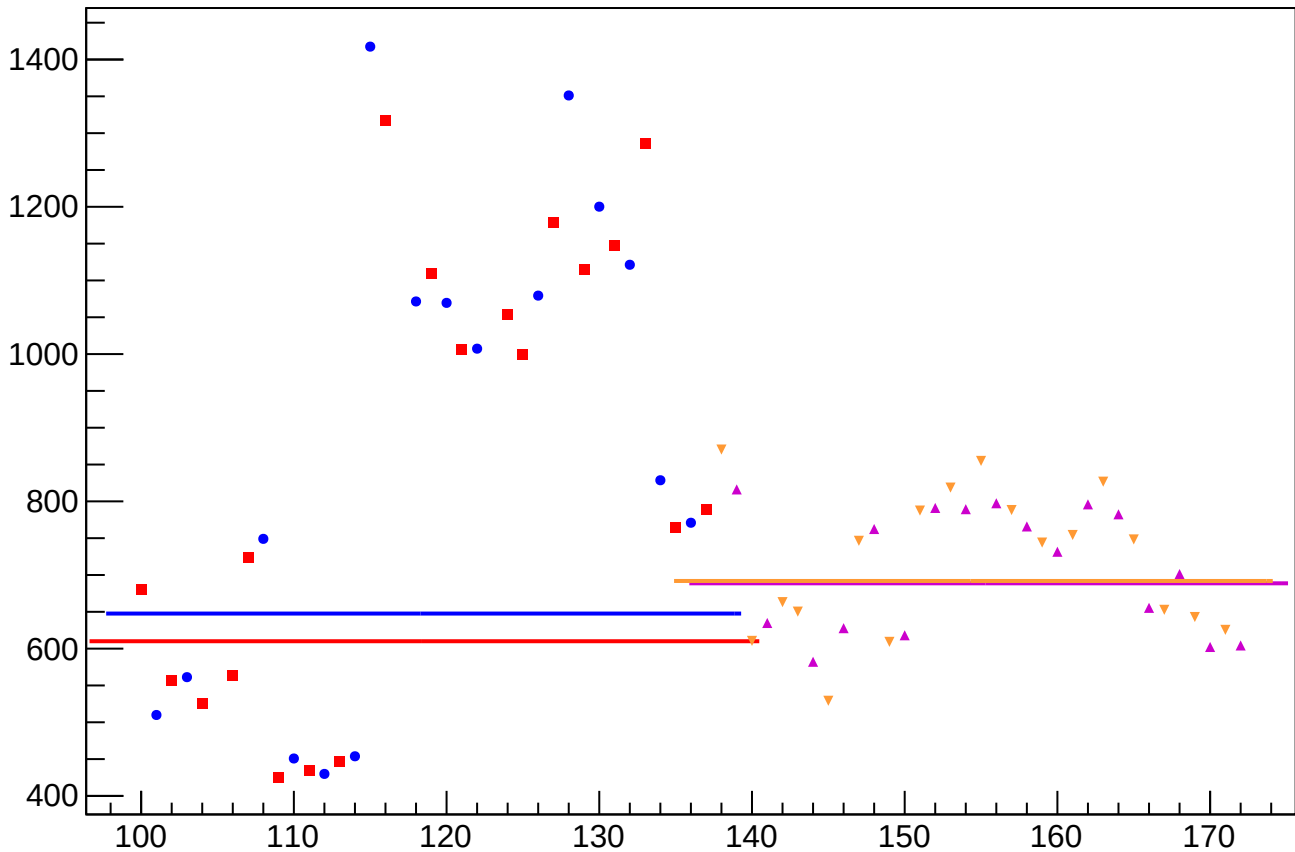
Left In: -90.634 ± 185.744 χ^2/NDF : 17.5/16

+ sign -589.538 ± 150.909 χ^2/NDF : 67.5/33

All: -419.485 ± 105.363 χ^2/NDF : 103.3/69

- sign -257.747 ± 147.173 χ^2/NDF : 33.3/35

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 647.641 $\pm$ 0.183 χ^2/NDF : 1887815.9/15

Left Out: 691.892 $\pm$ 0.131 χ^2/NDF : 548717.8/17

+ sign 676.915 $\pm$ 0.107 χ^2/NDF : 2475038.0/33

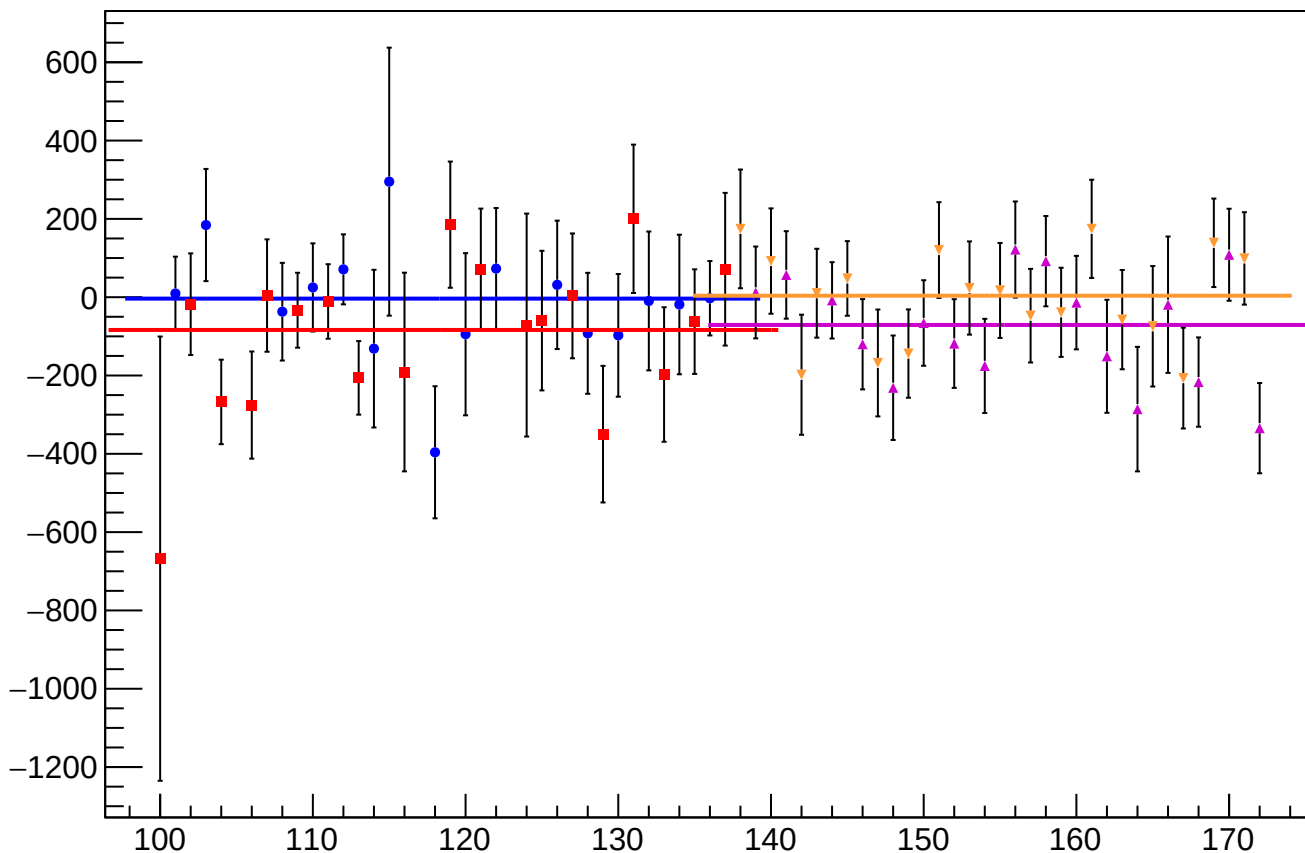
Right Out: 610.061 $\pm$ 0.171 χ^2/NDF : 2074248.2/18

All: 667.957 $\pm$ 0.075 χ^2/NDF : 5091224.6/69

- sign 659.437 $\pm$ 0.104 χ^2/NDF : 2602435.0/35

Left In: 688.708 $\pm$ 0.131 χ^2/NDF : 394730.4/16

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

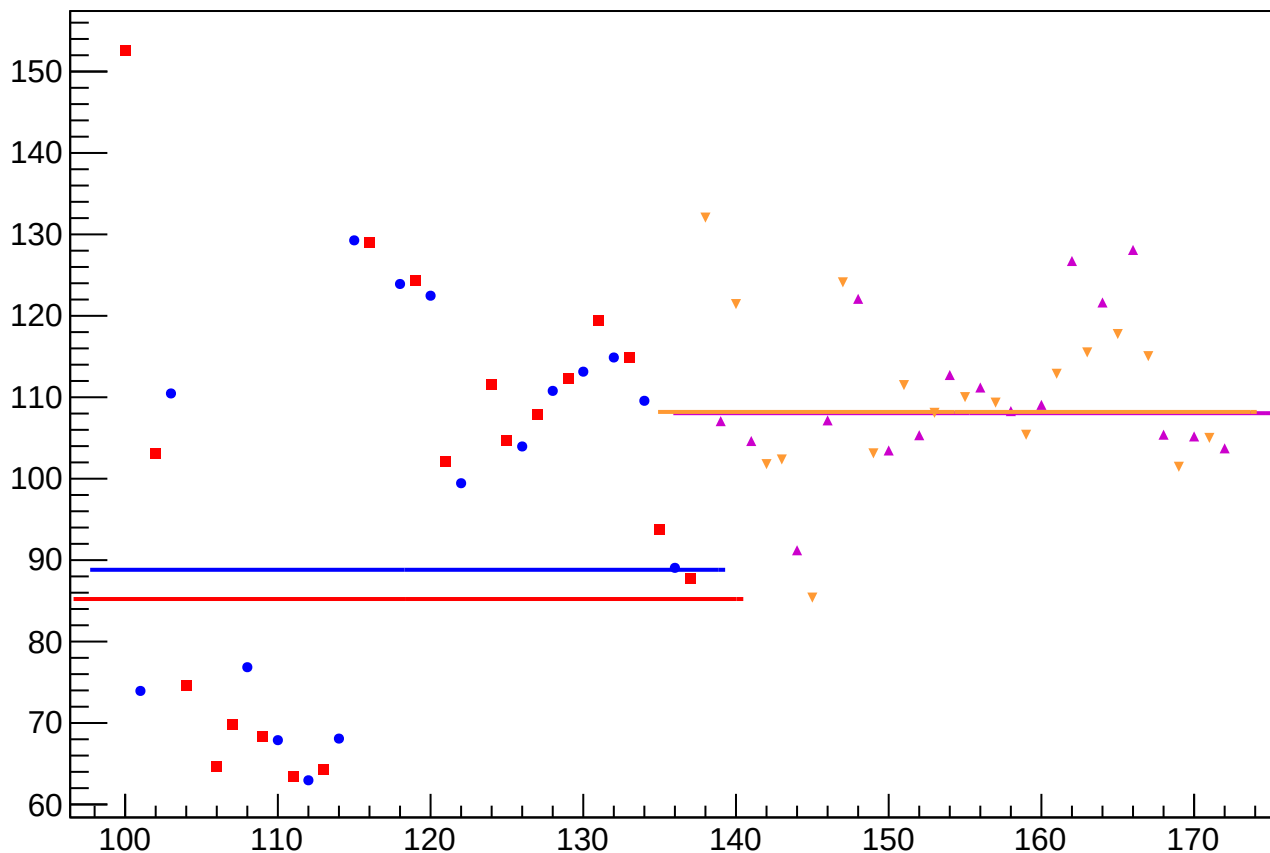
Left In: -70.895 ± 29.143 χ^2/NDF : 20.9/16

+ sign 0.685 ± 22.087 χ^2/NDF : 25.7/33

All: -38.558 ± 15.493 χ^2/NDF : 71.9/69

- sign -76.566 ± 21.737 χ^2/NDF : 40.0/35

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

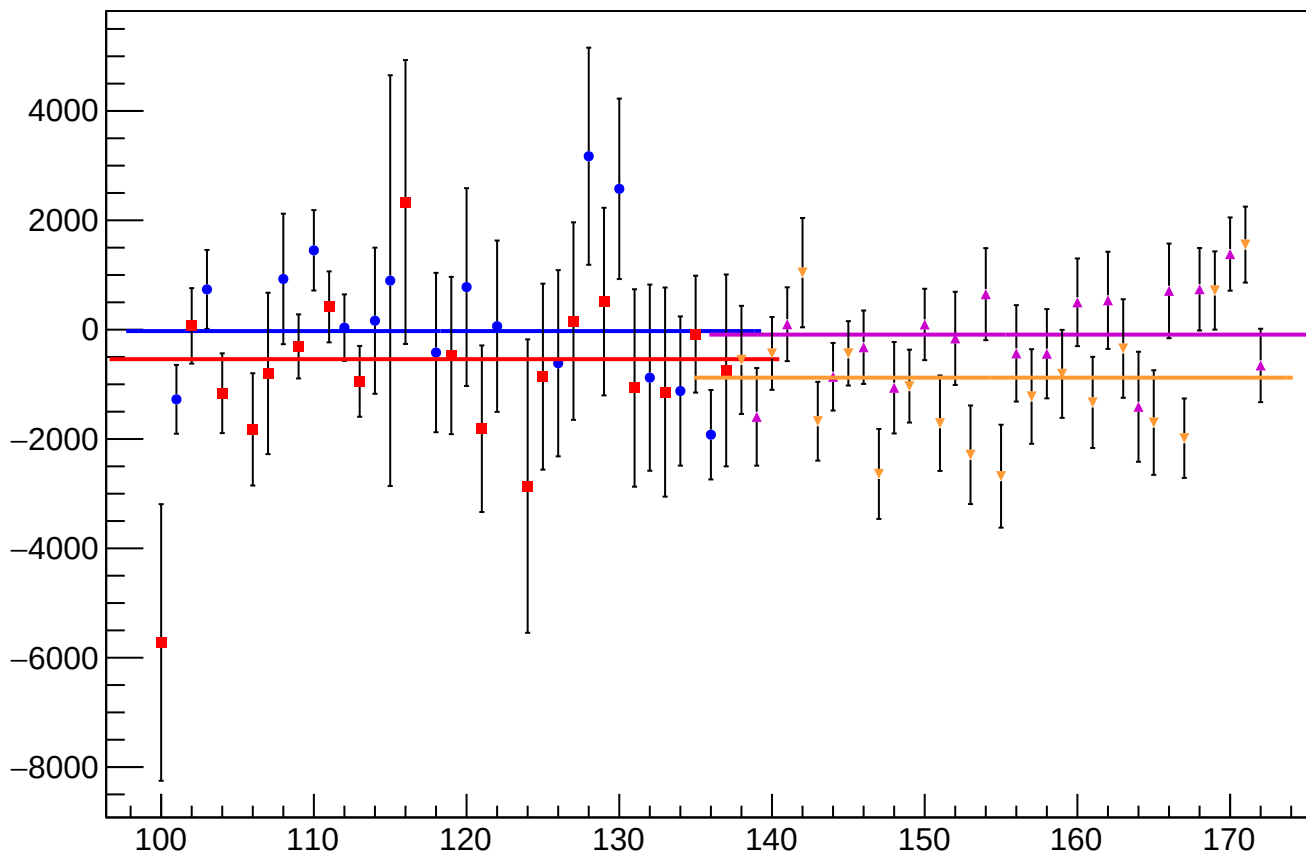
Left In: 108.044+/-0.021 χ^2/NDF : 172821.2/16

+ sign 100.091+/-0.016 χ^2/NDF : 1357697.4/33

All: 98.988+/-0.011 χ^2/NDF : 2968478.6/69

- sign 97.919+/-0.015 χ^2/NDF : 1600960.4/35

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



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

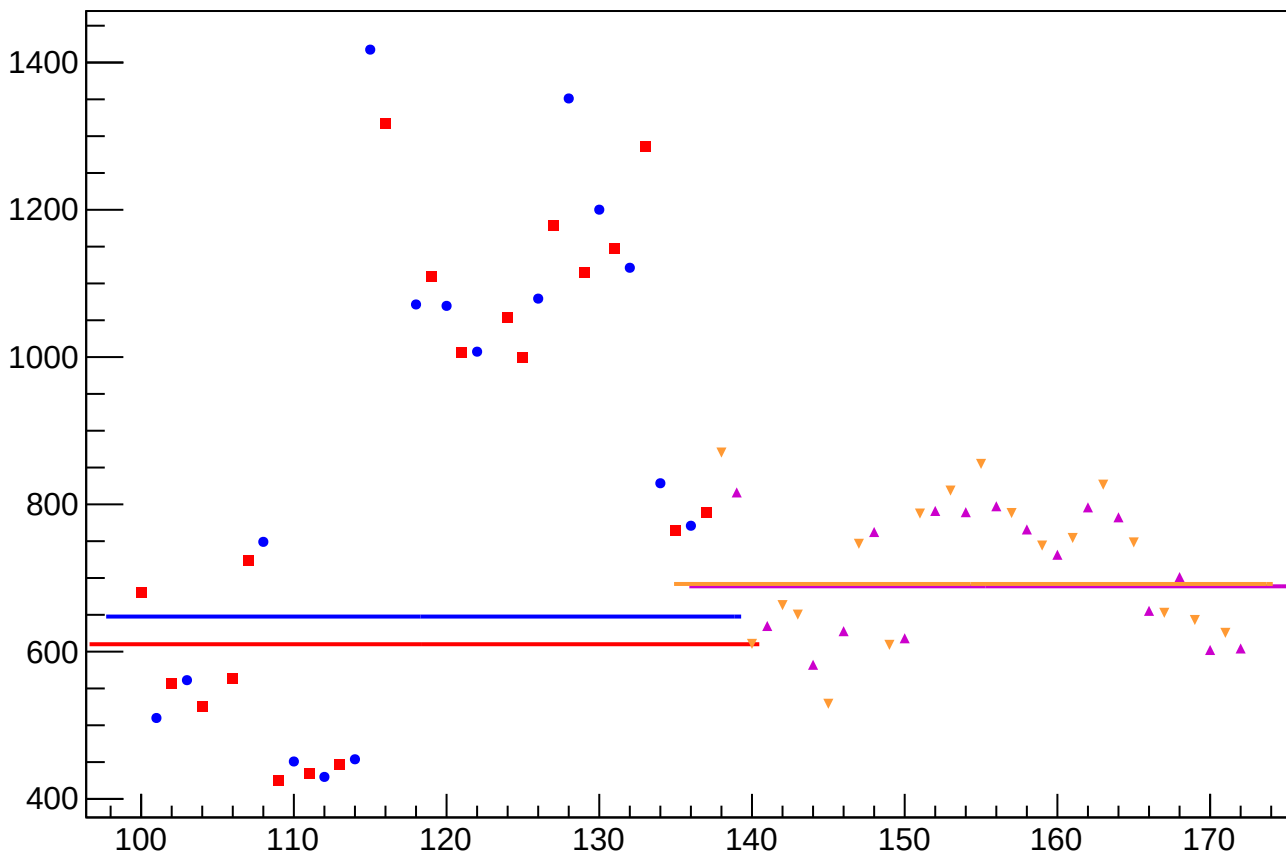
Left In: -90.633 ± 185.743 χ^2/NDF : 17.5/16

+ sign -589.537 ± 150.909 χ^2/NDF : 67.5/33

All: -419.484 ± 105.363 χ^2/NDF : 103.3/69

- sign -257.746 ± 147.173 χ^2/NDF : 33.3/35

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 647.640 $\pm$ 0.183 χ^2 /NDF: 1887820.6/15

Left Out: 691.892 $\pm$ 0.131 χ^2 /NDF: 548719.4/17

Right Out: 610.060 $\pm$ 0.171 χ^2 /NDF: 2074251.1/18

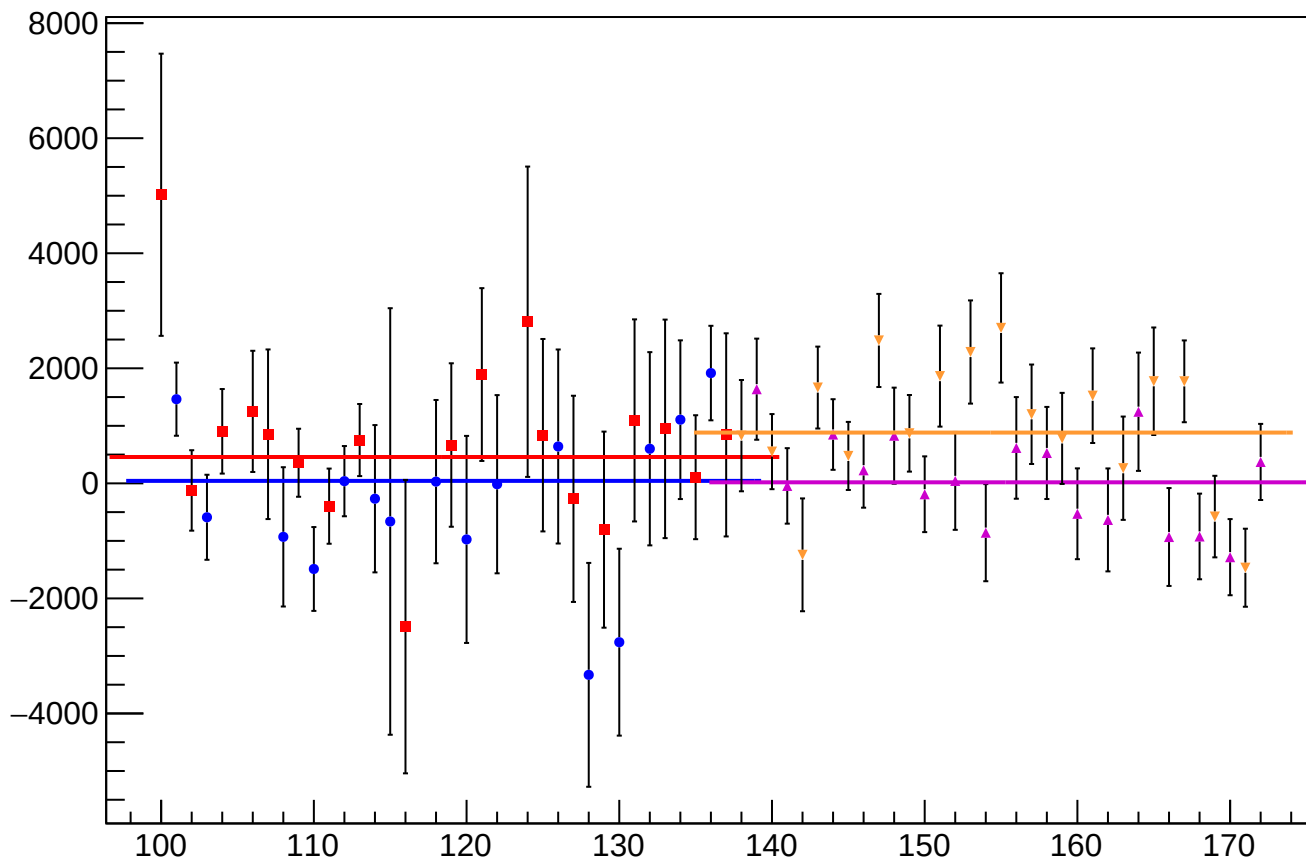
Left In: 688.708 $\pm$ 0.131 χ^2 /NDF: 394727.9/16

+ sign 676.915 $\pm$ 0.107 χ^2 /NDF: 2475044.7/33

All: 667.956 $\pm$ 0.075 χ^2 /NDF: 5091232.6/69

- sign 659.436 $\pm$ 0.104 χ^2 /NDF: 2602436.4/35

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

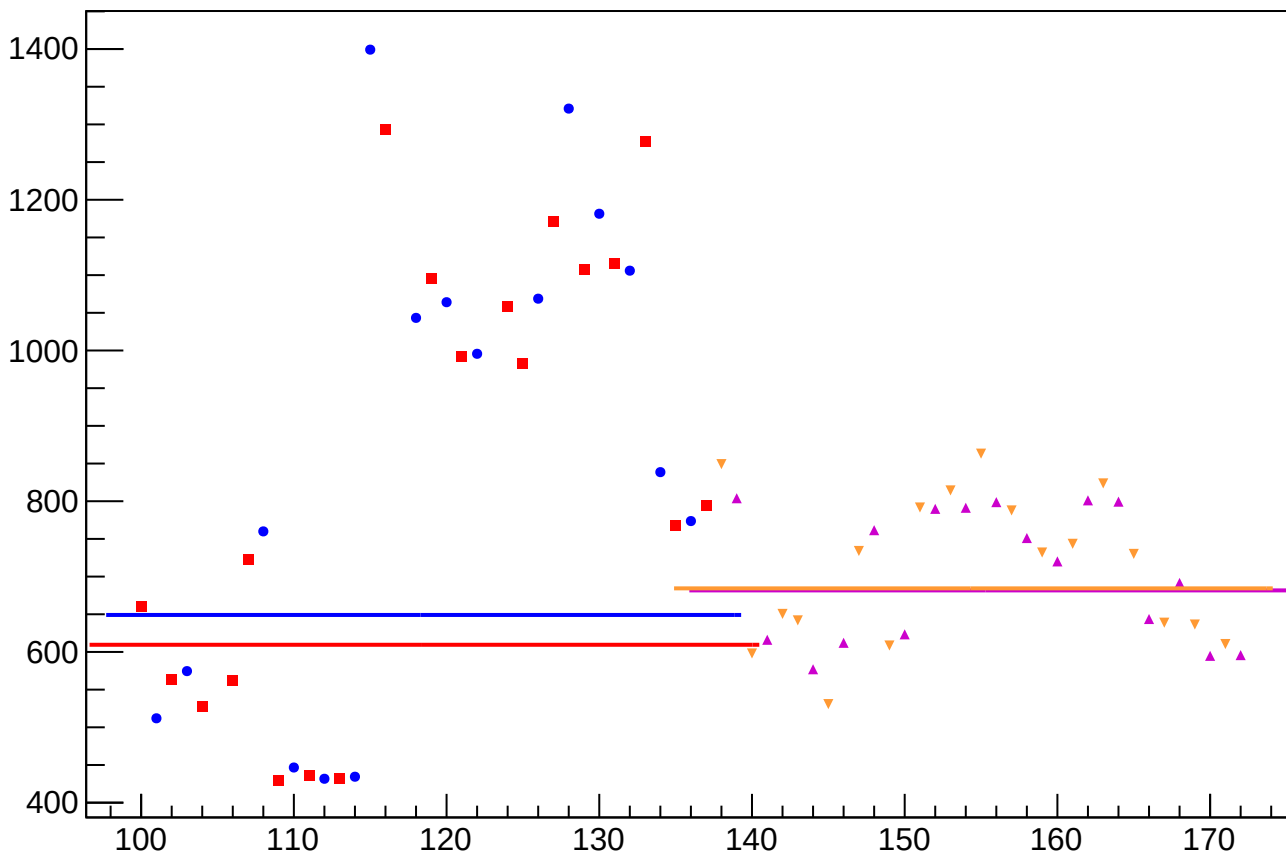
Left In: 18.142 ± 183.947 χ^2/NDF : 17.8/16

+ sign 603.046 ± 149.958 χ^2/NDF : 68.0/33

All: 386.226 ± 104.700 χ^2/NDF : 103.2/69

- sign 180.003 ± 146.248 χ^2/NDF : 31.1/35

asym_sam_1548_avg_rms vs Slug



Right In: 649.091 $\pm$ 0.184 χ^2/NDF : 1845815.6/15

Left Out: 684.366 $\pm$ 0.130 χ^2/NDF : 553551.1/17

Right Out: 609.516 $\pm$ 0.170 χ^2/NDF : 2043591.1/18

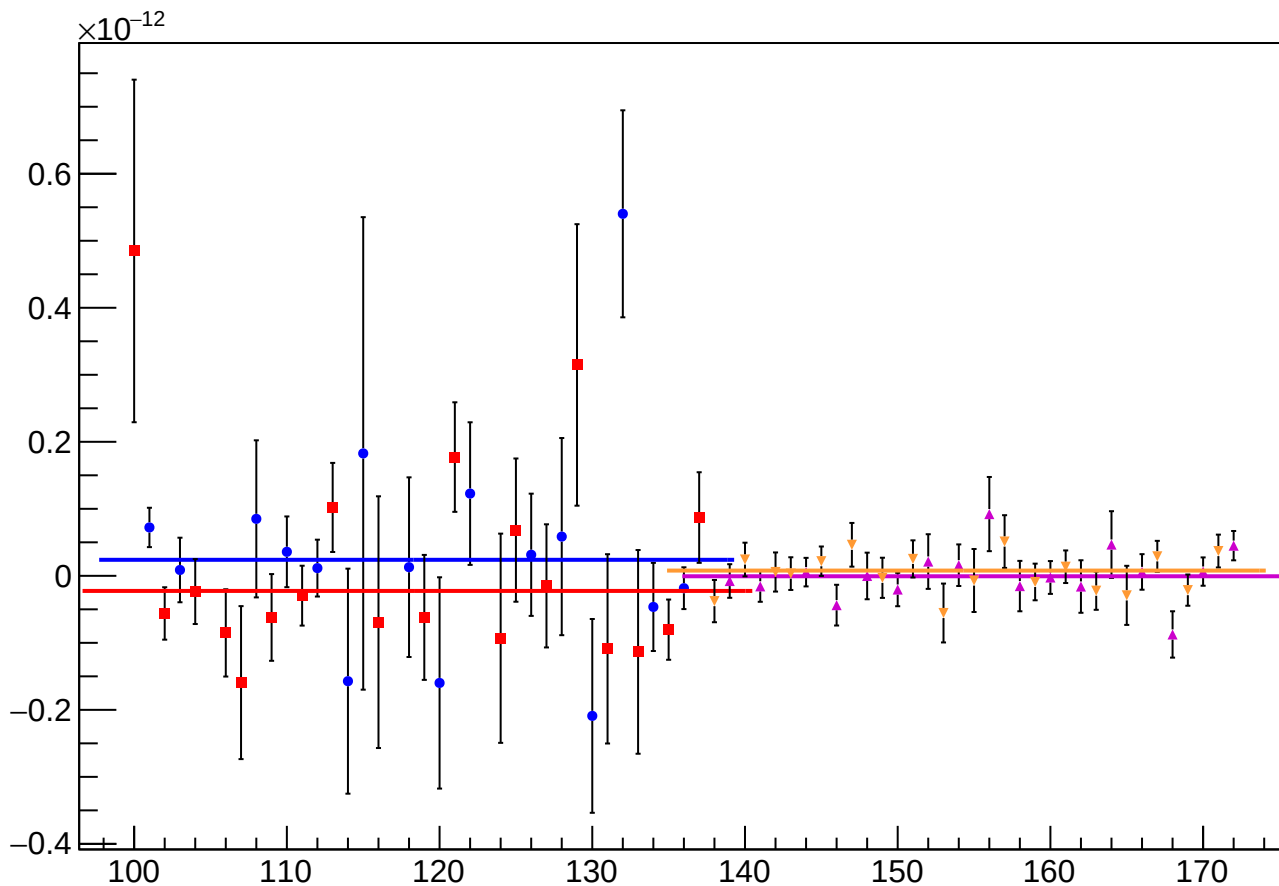
Left In: 681.670 $\pm$ 0.130 χ^2/NDF : 429043.2/16

+ sign 672.613 $\pm$ 0.106 χ^2/NDF : 2423954.0/33

All: 663.650 $\pm$ 0.074 χ^2/NDF : 5023737.4/69

- sign 655.125 $\pm$ 0.103 χ^2/NDF : 2585843.4/35

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 23.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 14.3/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.7/18

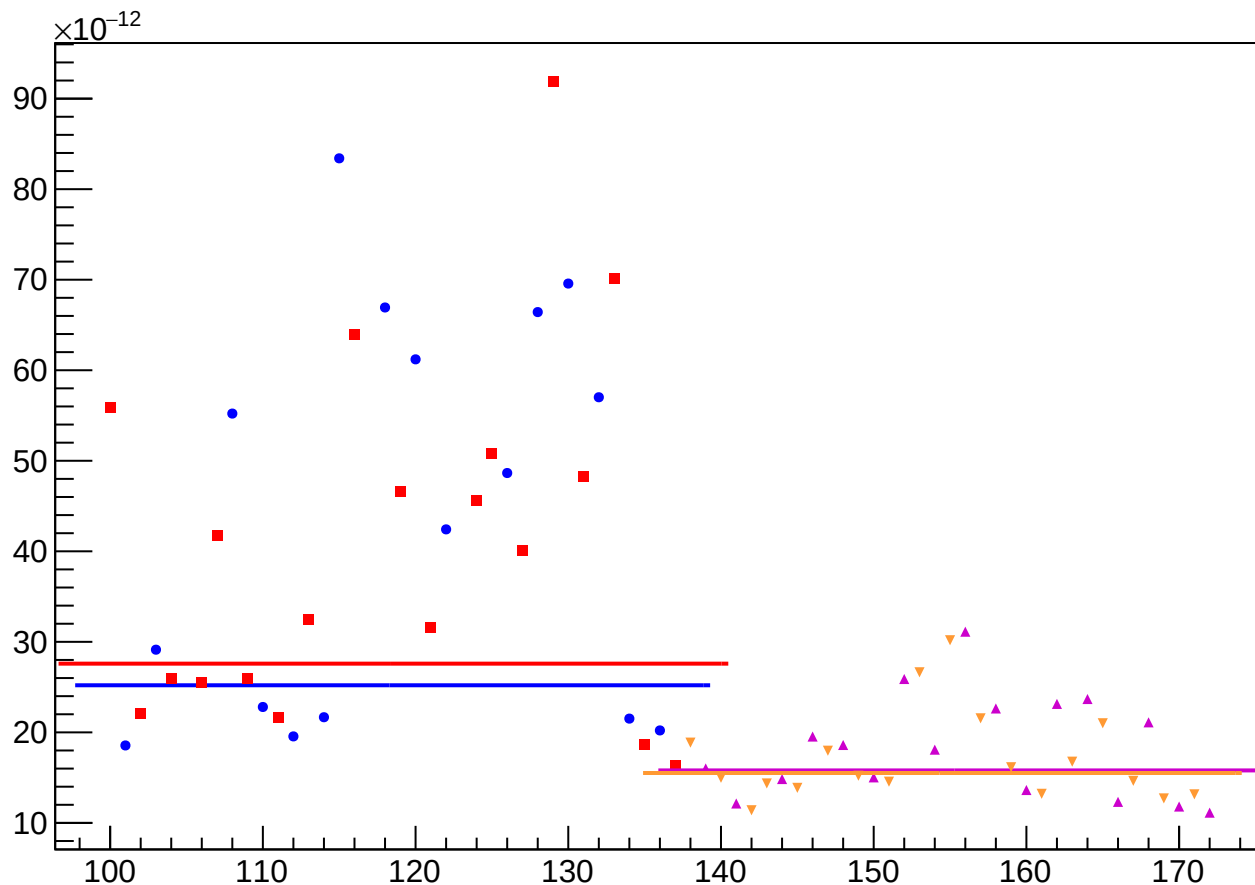
Left In: -0.000 ± 0.000 χ^2/NDF : 18.7/16

+ sign 0.000 ± 0.000 χ^2/NDF : 38.9/33

All: 0.000 ± 0.000 χ^2/NDF : 87.5/69

- sign -0.000 ± 0.000 χ^2/NDF : 45.9/35

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

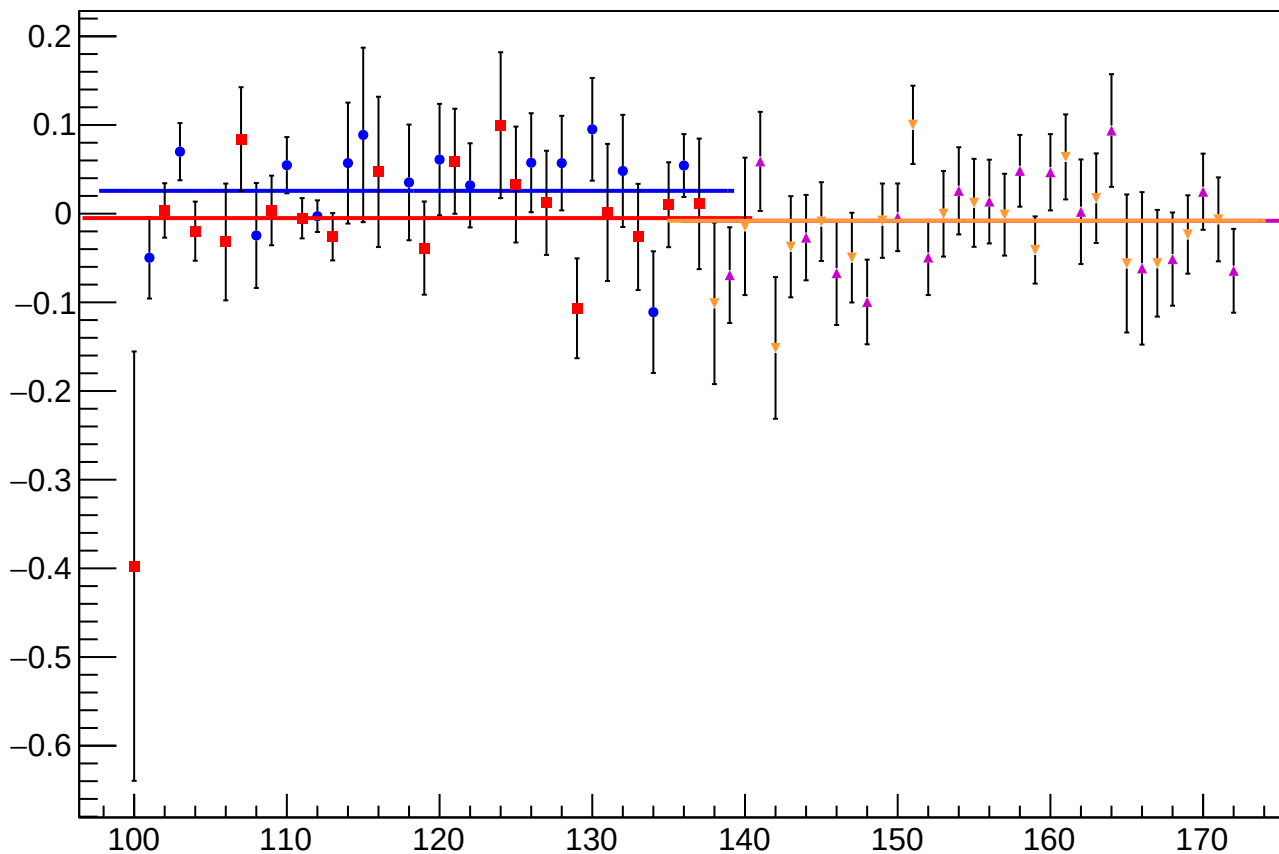
Left In: 0.000+/-0.000 χ^2/NDF : 832613.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 2560763.7/33

All: 0.000+/-0.000 χ^2/NDF : 5273393.7/69

- sign 0.000+/-0.000 χ^2/NDF : 2706084.3/35

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 ± 0.010 χ^2/NDF : 16.5/15

Left Out: -0.008 ± 0.012 χ^2/NDF : 15.8/17

Right Out: -0.005 ± 0.010 χ^2/NDF : 13.6/18

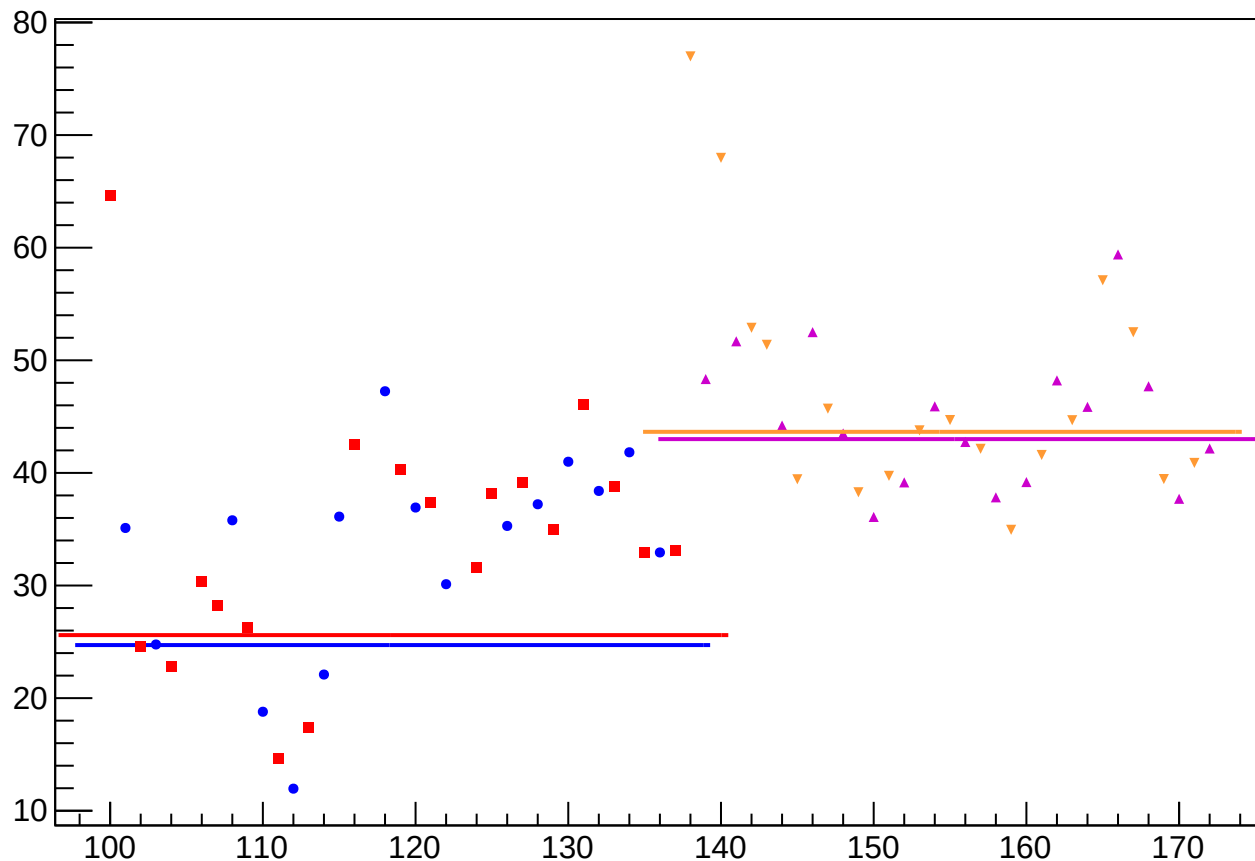
Left In: -0.008 ± 0.012 χ^2/NDF : 18.4/16

+ sign 0.011 ± 0.008 χ^2/NDF : 36.9/33

All: 0.002 ± 0.006 χ^2/NDF : 71.5/69

- sign -0.006 ± 0.008 χ^2/NDF : 32.1/35

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295174.7/15

Left Out: 43.649 $\pm$ 0.008 χ^2 /NDF: 838623.2/17

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605235.8/18

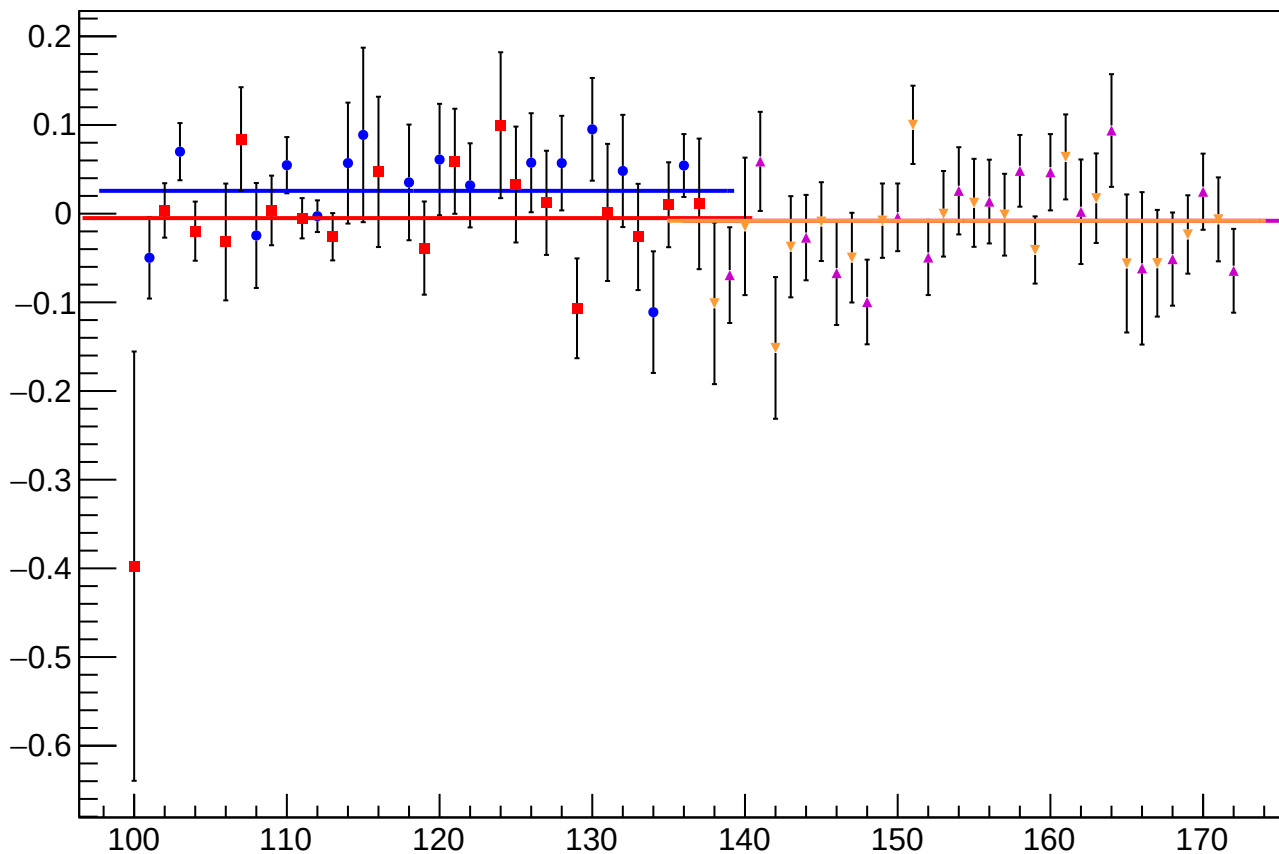
Left In: 43.001 $\pm$ 0.008 χ^2 /NDF: 399036.9/16

+ sign 32.806 $\pm$ 0.006 χ^2 /NDF: 5991450.5/33

All: 32.962 $\pm$ 0.004 χ^2 /NDF: 10441613.1/69

- sign 33.117 $\pm$ 0.006 χ^2 /NDF: 4448575.9/35

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

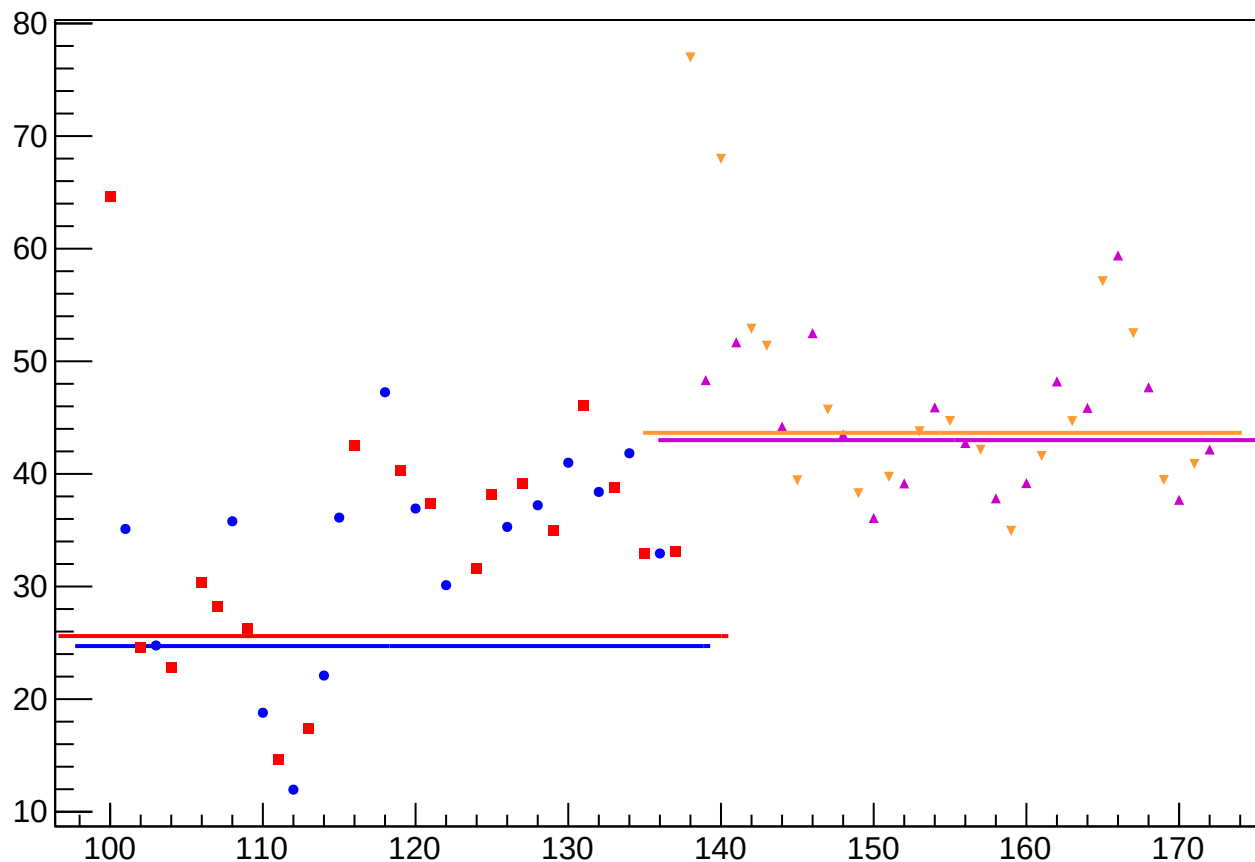
Left In: -0.008 ± 0.012 χ^2/NDF : 18.4/16

+ sign 0.011 ± 0.008 χ^2/NDF : 36.9/33

All: 0.002 ± 0.006 χ^2/NDF : 71.5/69

- sign -0.006 ± 0.008 χ^2/NDF : 32.1/35

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295174.7/15

Left Out: 43.649 $\pm$ 0.008 χ^2 /NDF: 838623.2/17

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605235.8/18

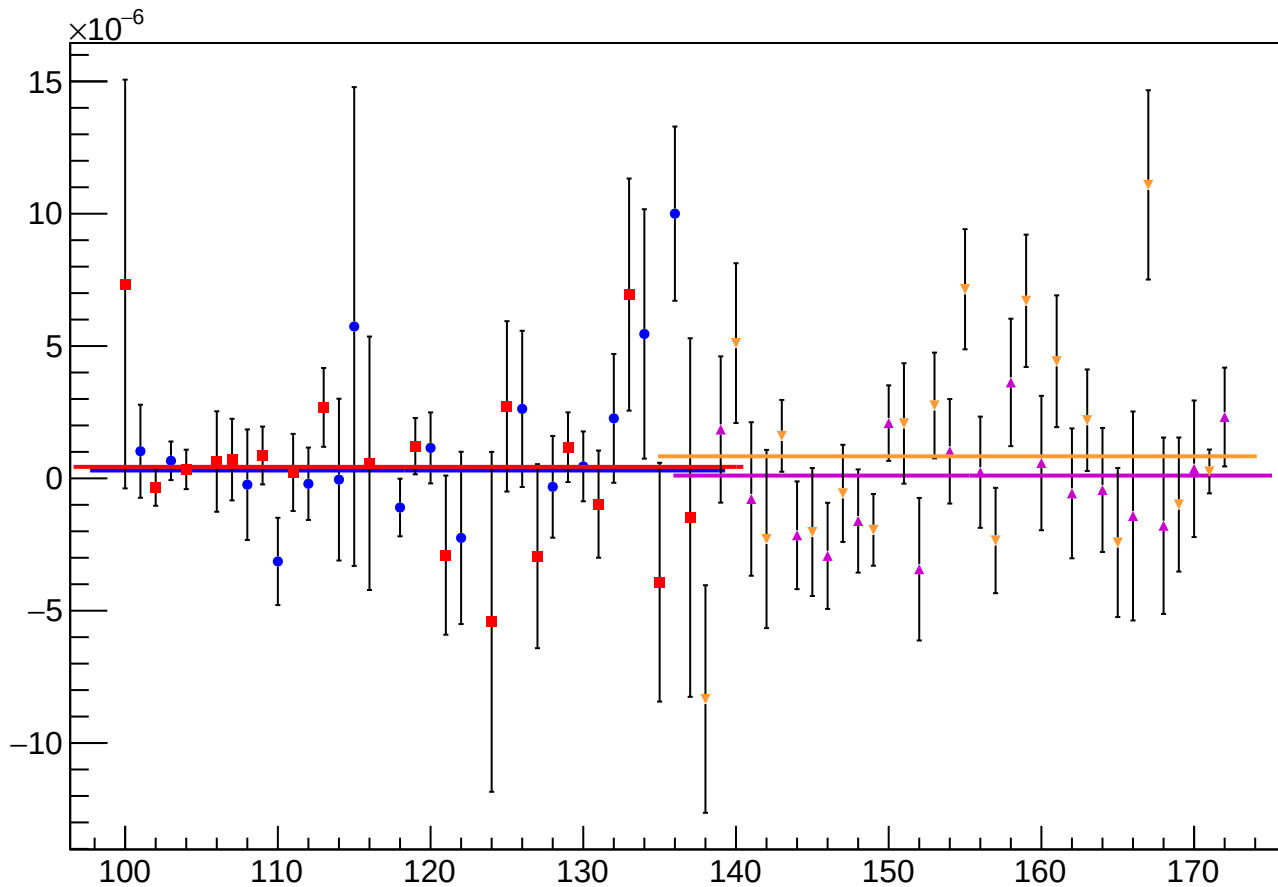
Left In: 43.001 $\pm$ 0.008 χ^2 /NDF: 399036.9/16

+ sign 32.806 $\pm$ 0.006 χ^2 /NDF: 5991450.5/33

All: 32.962 $\pm$ 0.004 χ^2 /NDF: 10441613.1/69

- sign 33.117 $\pm$ 0.006 χ^2 /NDF: 4448575.9/35

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:44.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.7/18

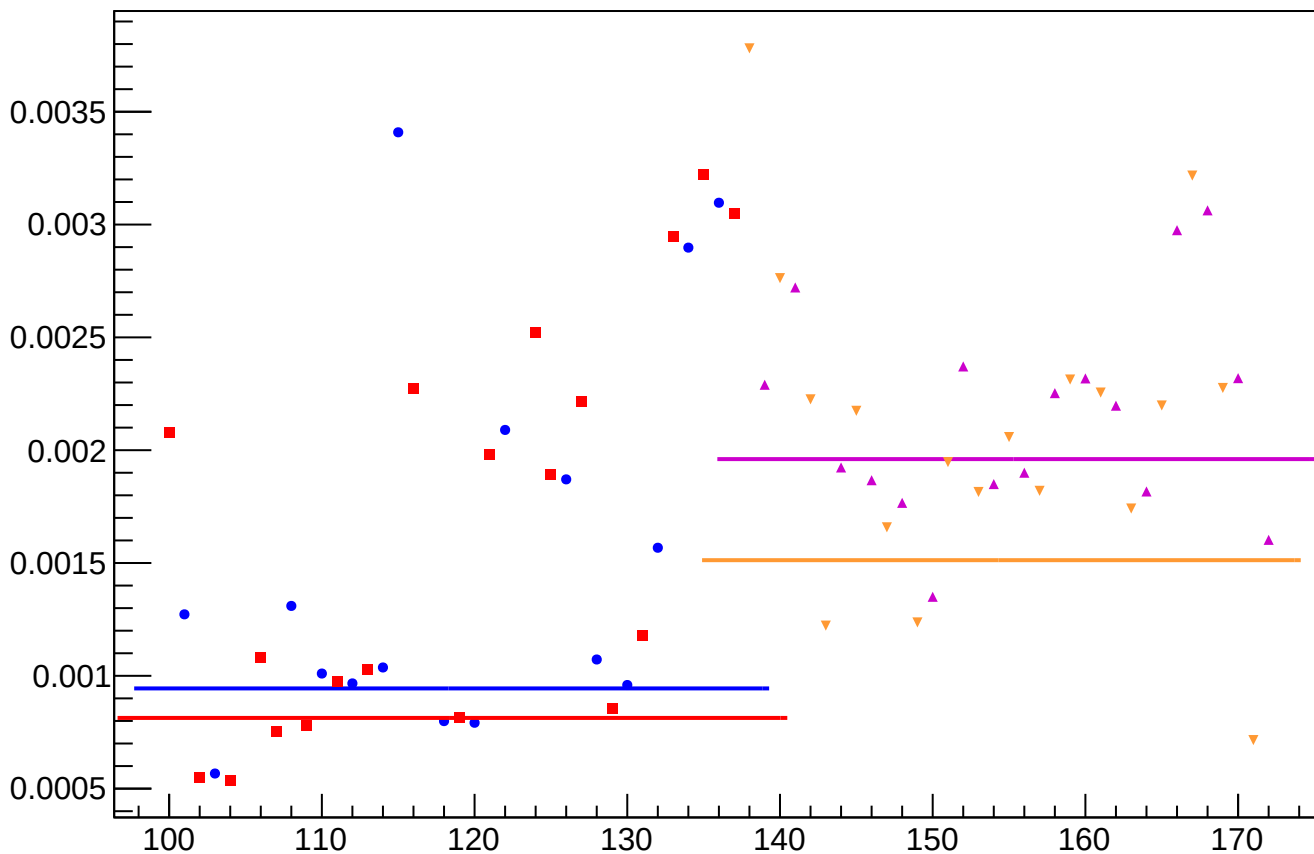
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:12.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.2/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 90.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25.8/35

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF : 4630334.7/17

Right Out: 0.001+/-0.000 χ^2/NDF : 3244147.3/18

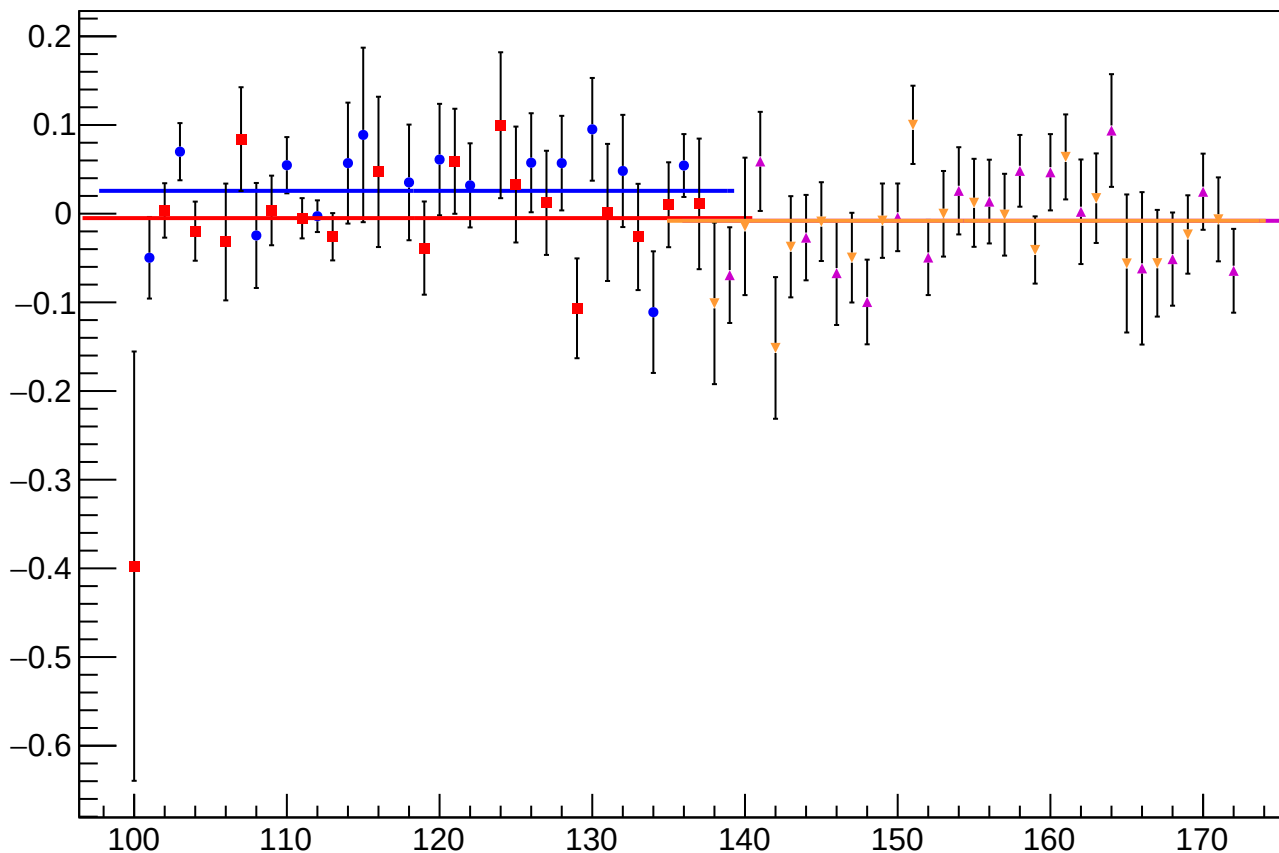
Left In: 0.002+/-0.000 χ^2/NDF : 1169718.3/16

+ sign 0.001+/-0.000 χ^2/NDF : 9108439.6/33

All: 0.001+/-0.000 χ^2/NDF : 19957051.7/69

- sign 0.001+/-0.000 χ^2/NDF : 10801915.4/35

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.010 χ^2 /NDF: 16.5/15

Left Out: -0.008 $\pm$ 0.012 χ^2 /NDF:15.8/17

Right Out: -0.005 $\pm$ 0.010 χ^2 /NDF: 13.6/18

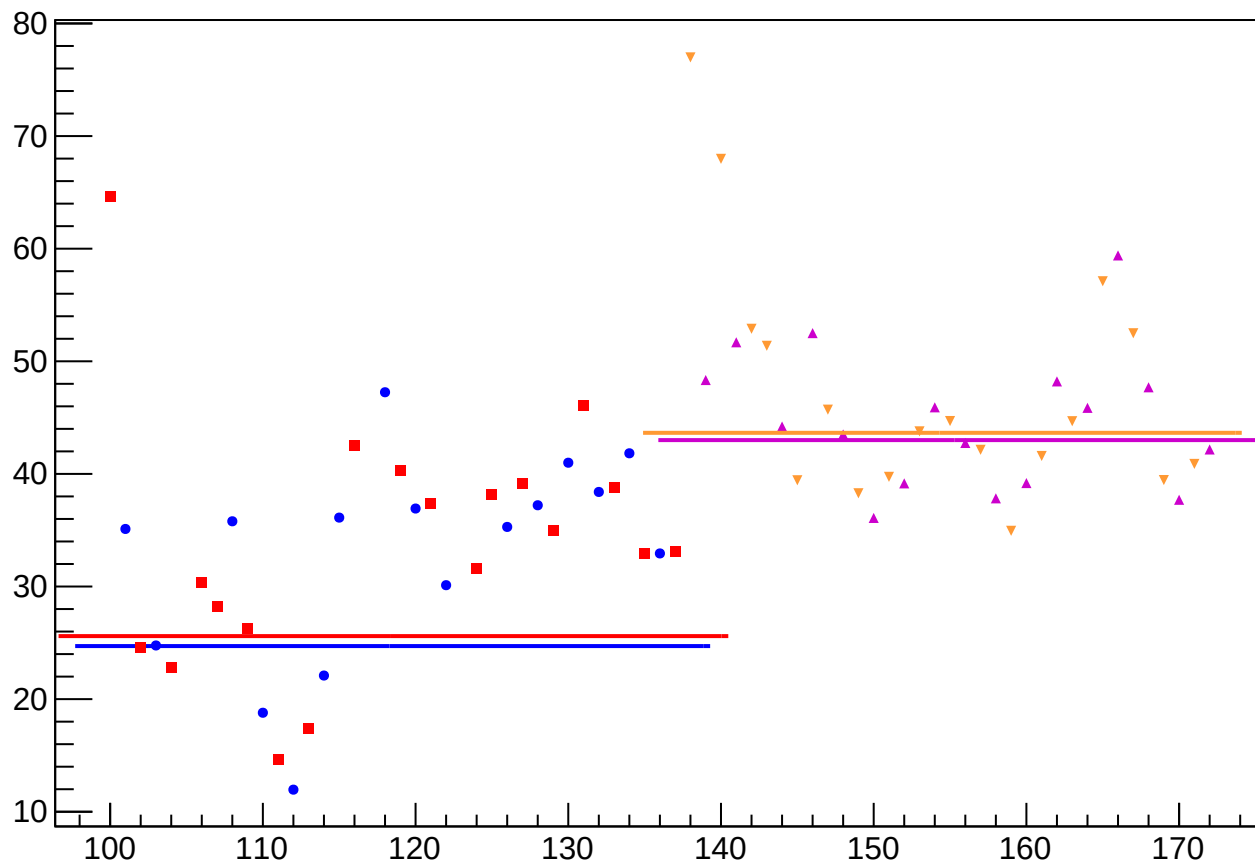
Left In: -0.008 $\pm$ 0.012 χ^2 /NDF:18.4/16

+ sign 0.011 $\pm$ 0.008 χ^2 /NDF: 36.9/33

All: 0.002 $\pm$ 0.006 χ^2 /NDF: 71.5/69

- sign -0.006 $\pm$ 0.008 χ^2 /NDF: 32.1/35

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295351.2/15

Left Out: 43.649 $\pm$ 0.008 χ^2 /NDF: 838617.4/17

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

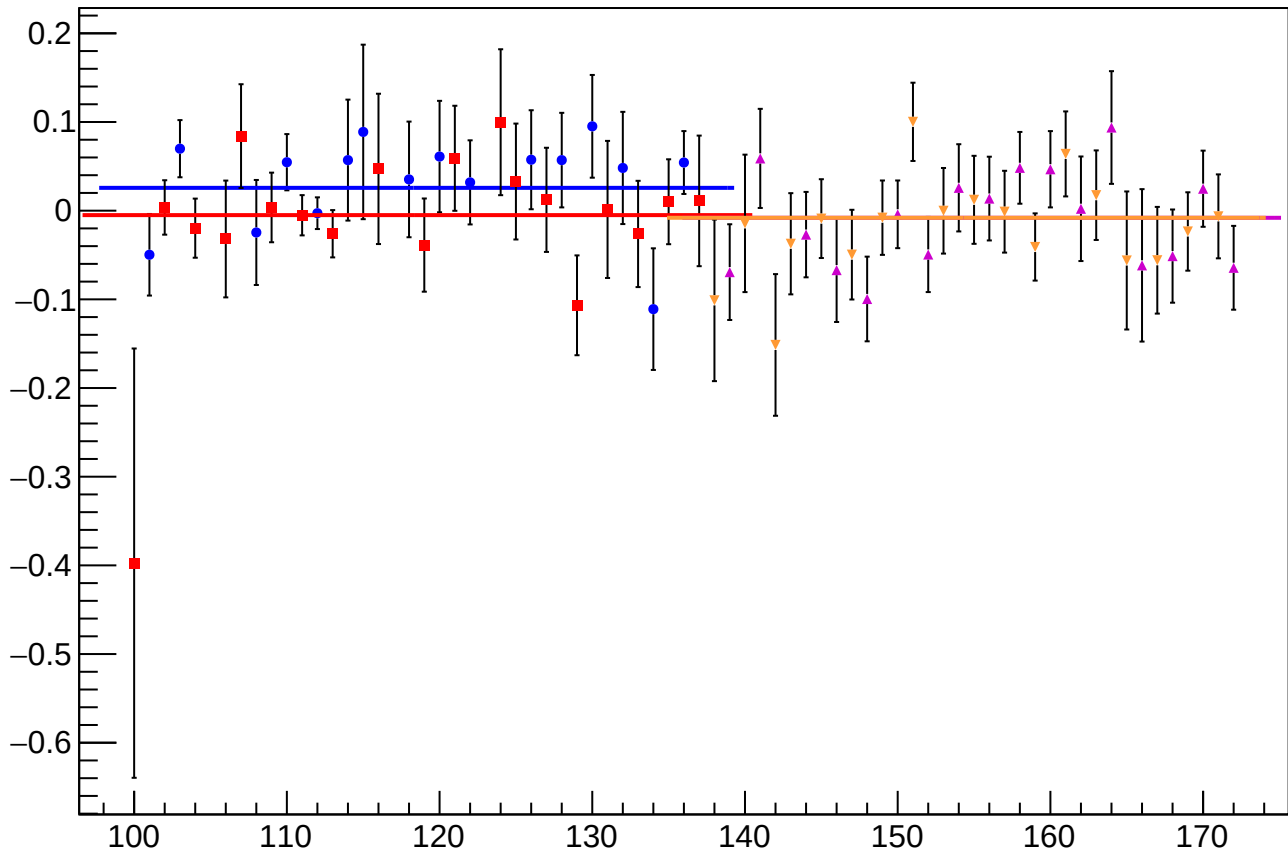
Left In: 43.001 $\pm$ 0.008 χ^2 /NDF: 399032.9/16

+ sign 32.805 $\pm$ 0.006 χ^2 /NDF: 5991901.6/33

All: 32.962 $\pm$ 0.004 χ^2 /NDF: 10442439.1/69

- sign 33.117 $\pm$ 0.006 χ^2 /NDF: 4448949.1/35

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

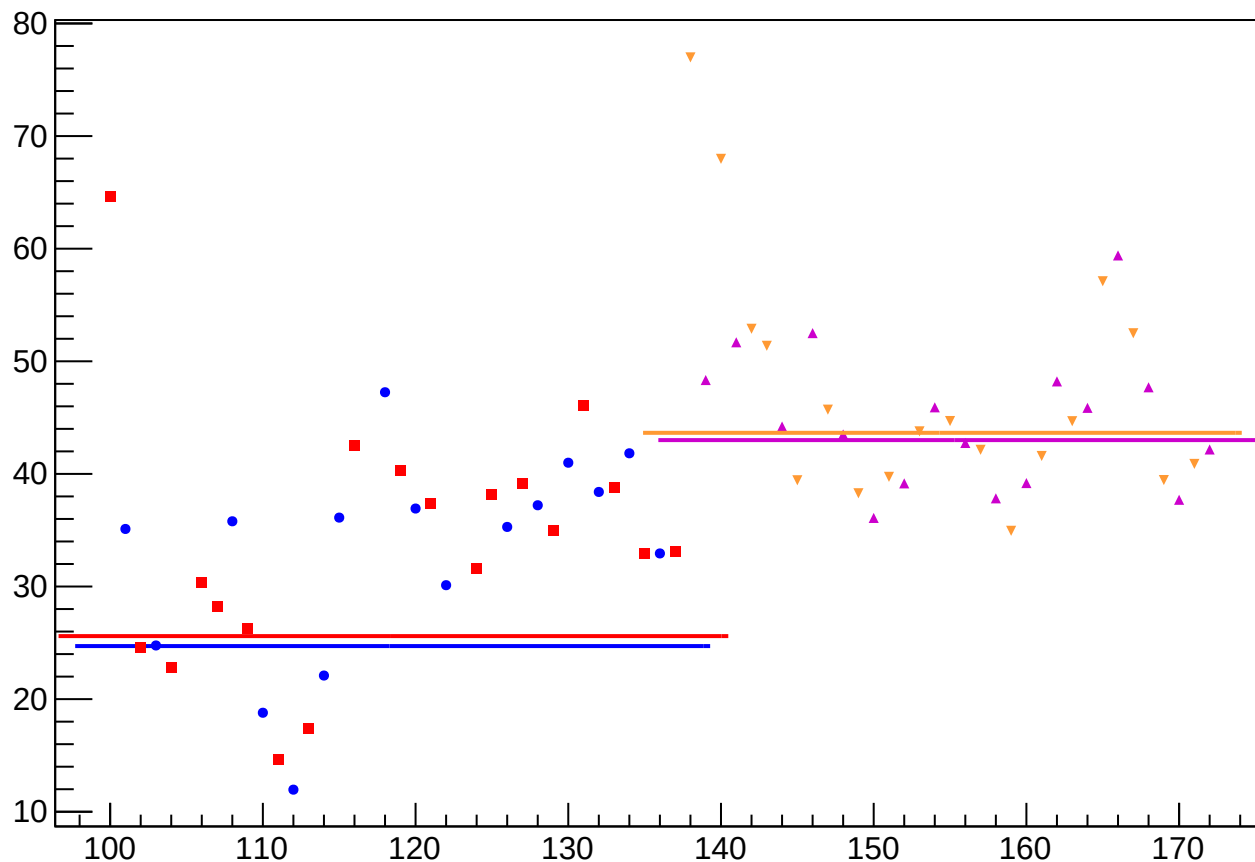
Left In: -0.008 ± 0.012 χ^2/NDF : 18.4/16

+ sign 0.011 ± 0.008 χ^2/NDF : 36.9/33

All: 0.002 ± 0.006 χ^2/NDF : 71.5/69

- sign -0.006 ± 0.008 χ^2/NDF : 32.1/35

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.712 $\pm$ 0.007 χ^2 /NDF: 2295351.2/15

Left Out: 43.649 $\pm$ 0.008 χ^2 /NDF: 838617.4/17

Right Out: 25.597 $\pm$ 0.007 χ^2 /NDF: 1605387.3/18

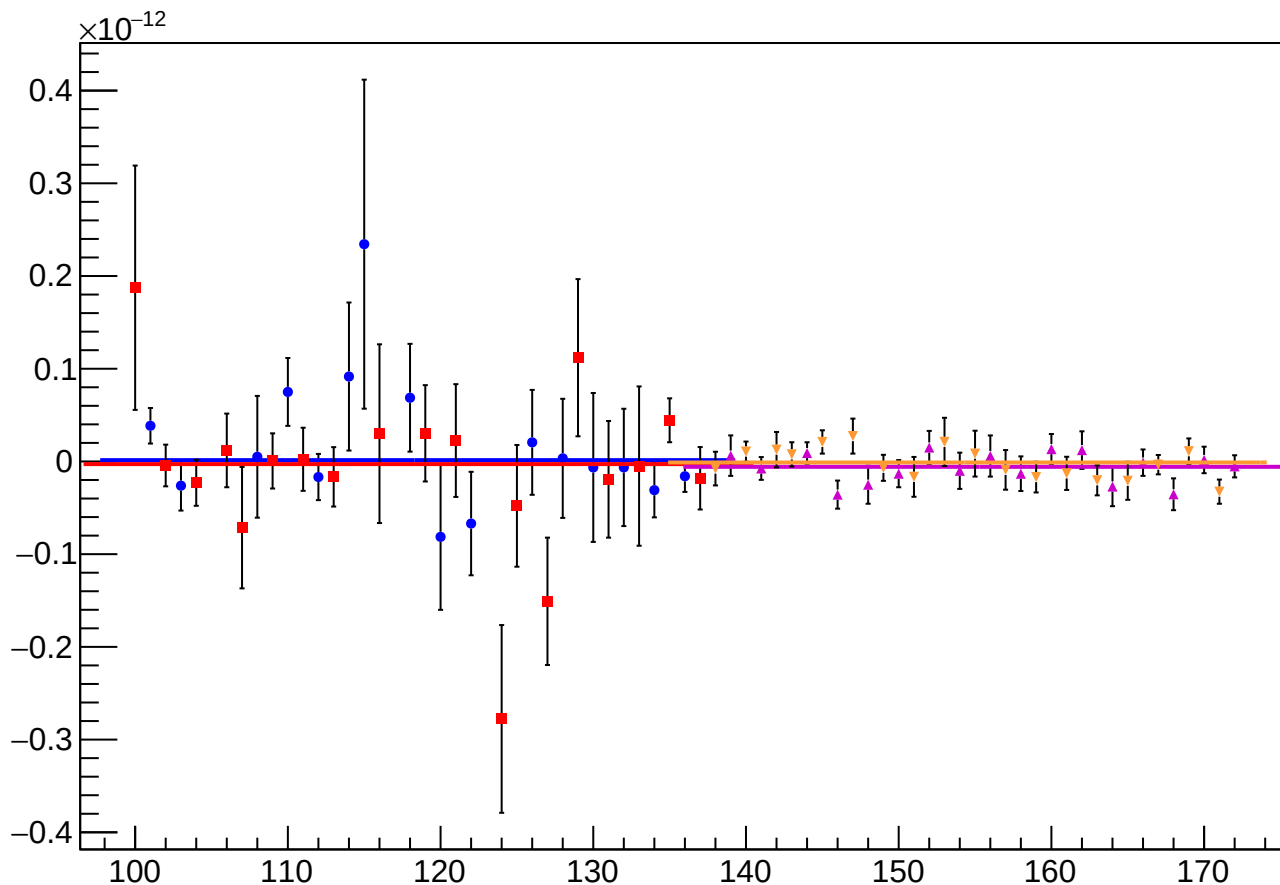
Left In: 43.001 $\pm$ 0.008 χ^2 /NDF: 399032.9/16

+ sign 32.805 $\pm$ 0.006 χ^2 /NDF: 5991901.6/33

All: 32.962 $\pm$ 0.004 χ^2 /NDF: 10442439.1/69

- sign 33.117 $\pm$ 0.006 χ^2 /NDF: 4448949.1/35

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

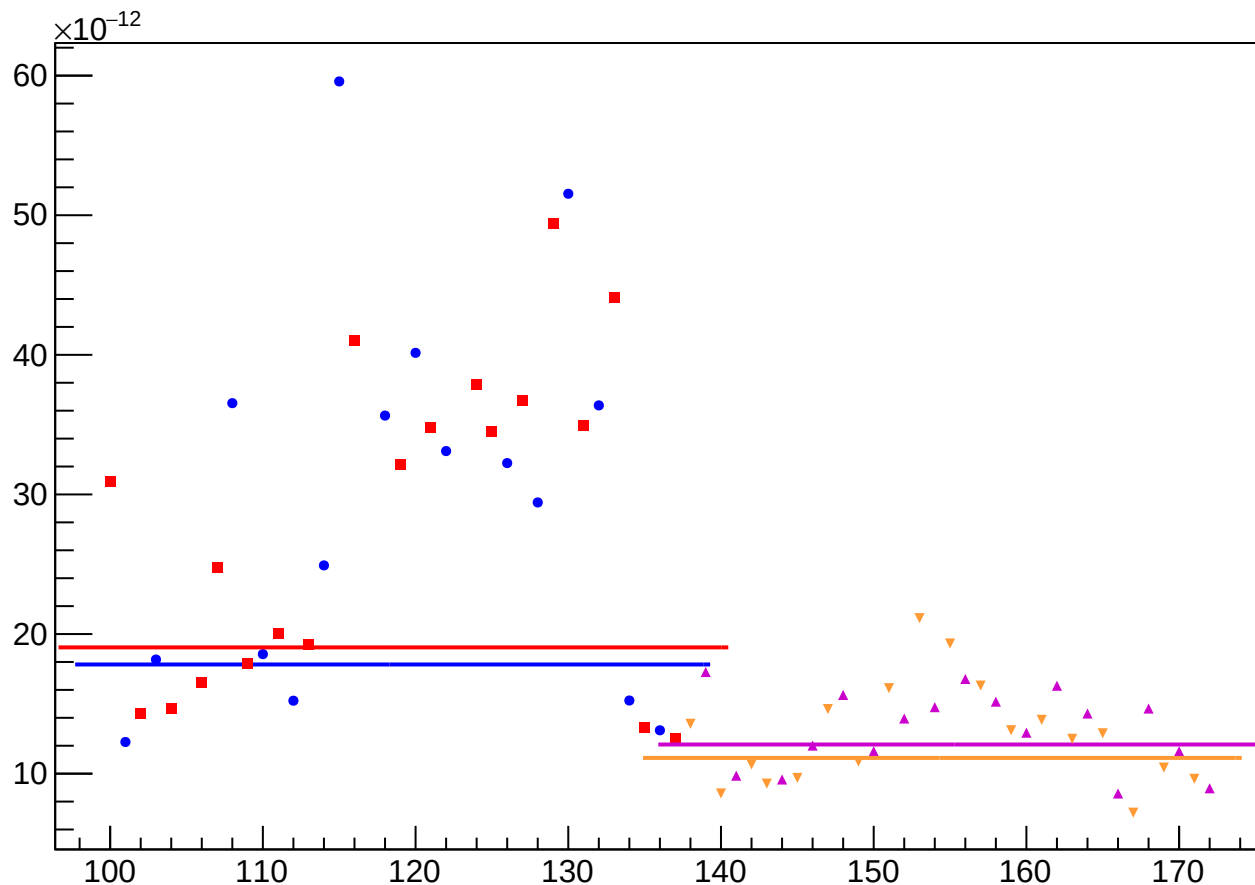
Left In: -0.000 ± 0.000 χ^2/NDF : 15.4/16

+ sign -0.000 ± 0.000 χ^2/NDF : 38.5/33

All: -0.000 ± 0.000 χ^2/NDF : 78.3/69

- sign -0.000 ± 0.000 χ^2/NDF : 39.0/35

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1444533.1/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1620721.2/18

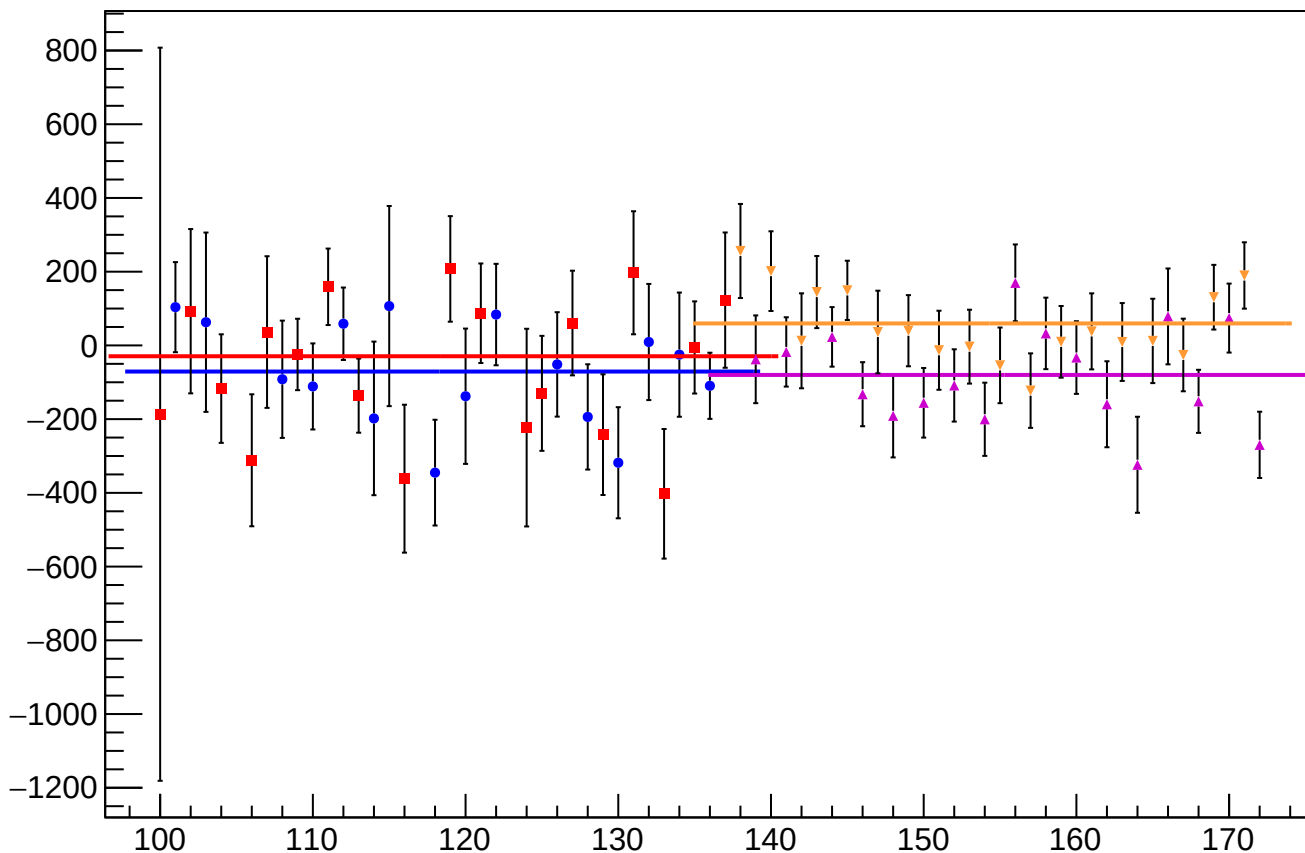
Left In: 0.000+/-0.000 χ^2/NDF : 957594.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 4326207.4/33

All: 0.000+/-0.000 χ^2/NDF : 7973345.1/69

- sign 0.000+/-0.000 χ^2/NDF : 3561666.0/35

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

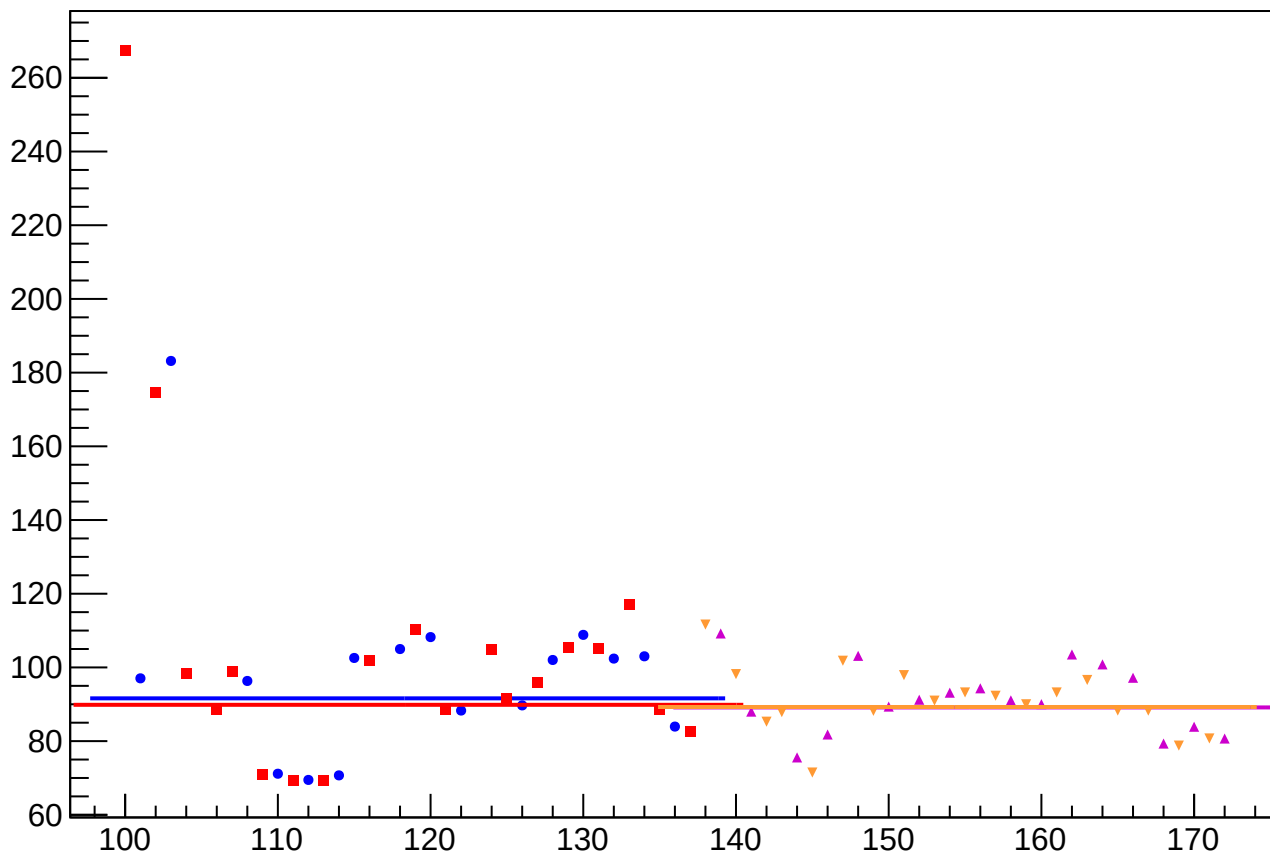
Left In: -80.095 ± 24.022 χ^2/NDF : 26.4/16

+ sign 18.376 ± 19.742 χ^2/NDF : 39.4/33

All: -22.660 ± 13.932 χ^2/NDF : 99.8/69

- sign -63.378 ± 19.665 χ^2/NDF : 51.9/35

reg_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580672.8/15

Left Out: 89.261 $\pm$ 0.017 χ^2 /NDF: 278613.0/17

Right Out: 89.854 $\pm$ 0.024 χ^2 /NDF: 746289.1/18

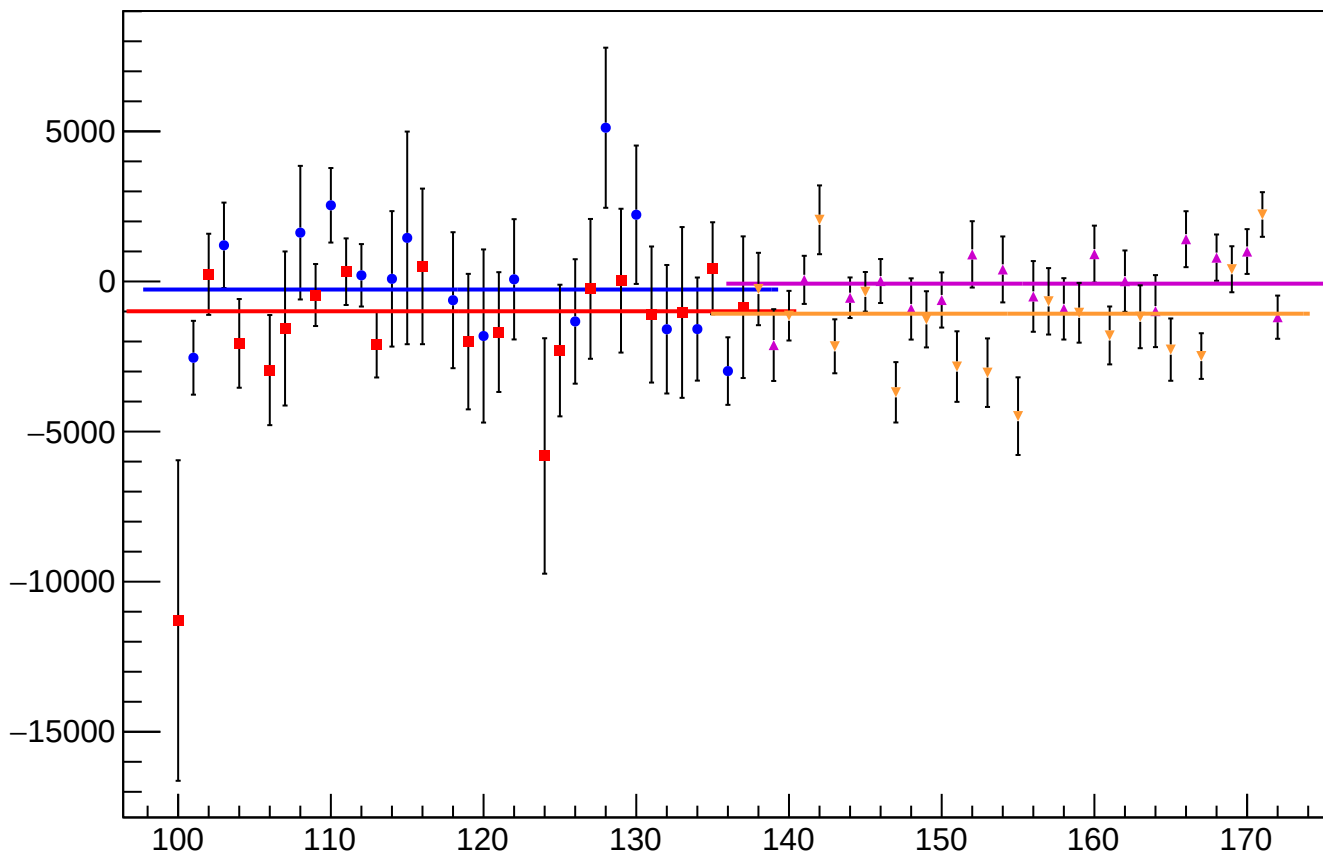
Left In: 89.143 $\pm$ 0.017 χ^2 /NDF: 272953.5/16

+ sign 90.003 $\pm$ 0.014 χ^2 /NDF: 865394.5/33

All: 89.689 $\pm$ 0.010 χ^2 /NDF: 1886221.1/69

- sign 89.378 $\pm$ 0.014 χ^2 /NDF: 1019820.9/35

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -268.485 $\pm$ 419.578 χ^2 /NDF: 23.4/15

Left Out: -1073.725 $\pm$ 220.087 χ^2 /NDF: 58.5/17

Right Out: -992.670 $\pm$ 400.824 χ^2 /NDF: 12.7/18

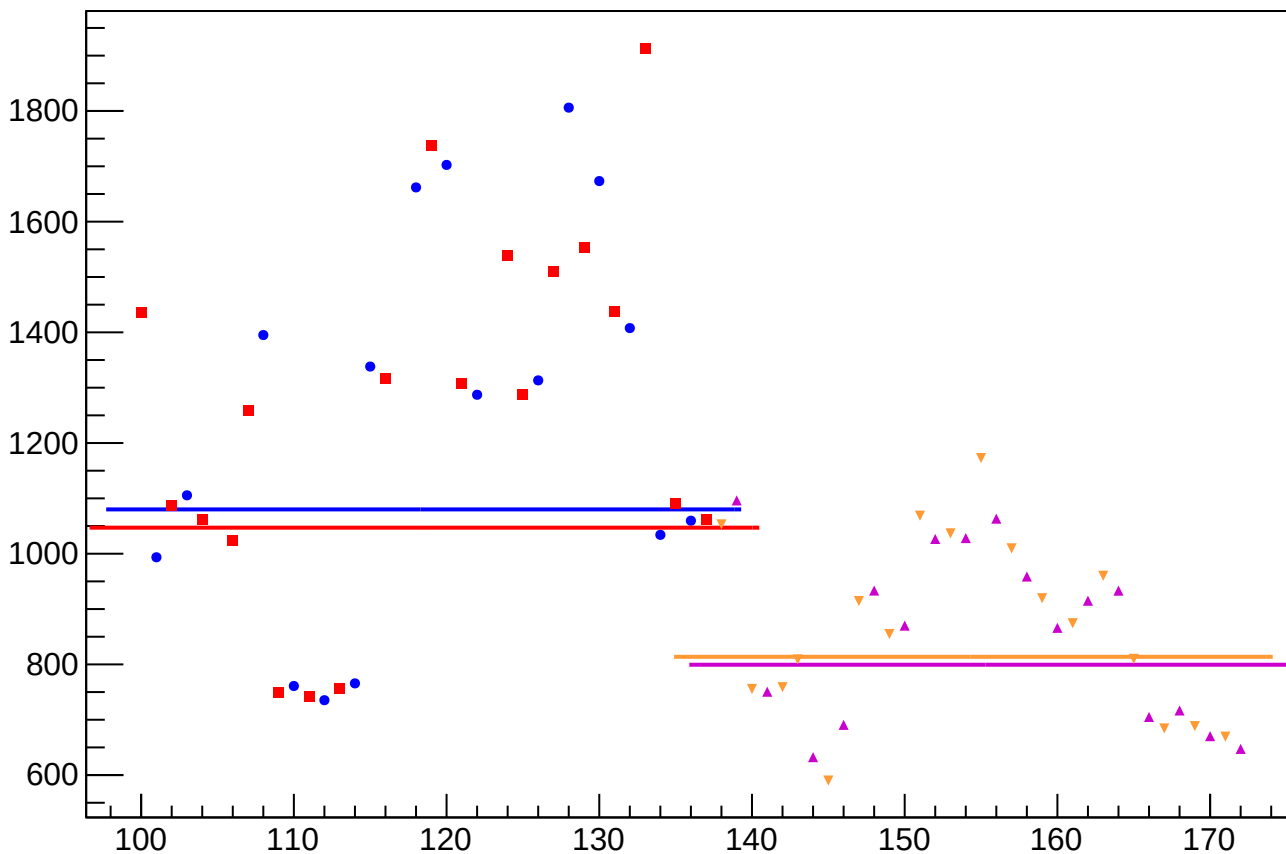
Left In: -73.172 $\pm$ 217.690 χ^2 /NDF: 16.2/16

+ sign -899.974 $\pm$ 194.901 χ^2 /NDF: 84.9/33

All: -585.534 $\pm$ 136.524 χ^2 /NDF: 122.9/69

- sign -282.613 $\pm$ 191.298 χ^2 /NDF: 32.9/35

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1080.045 $\pm$ 0.297 χ^2 /NDF: 1053468.5/15

Left Out: 813.717 $\pm$ 0.156 χ^2 /NDF: 990421.6/17

Right Out: 1047.068 $\pm$ 0.283 χ^2 /NDF: 1198646.2/18

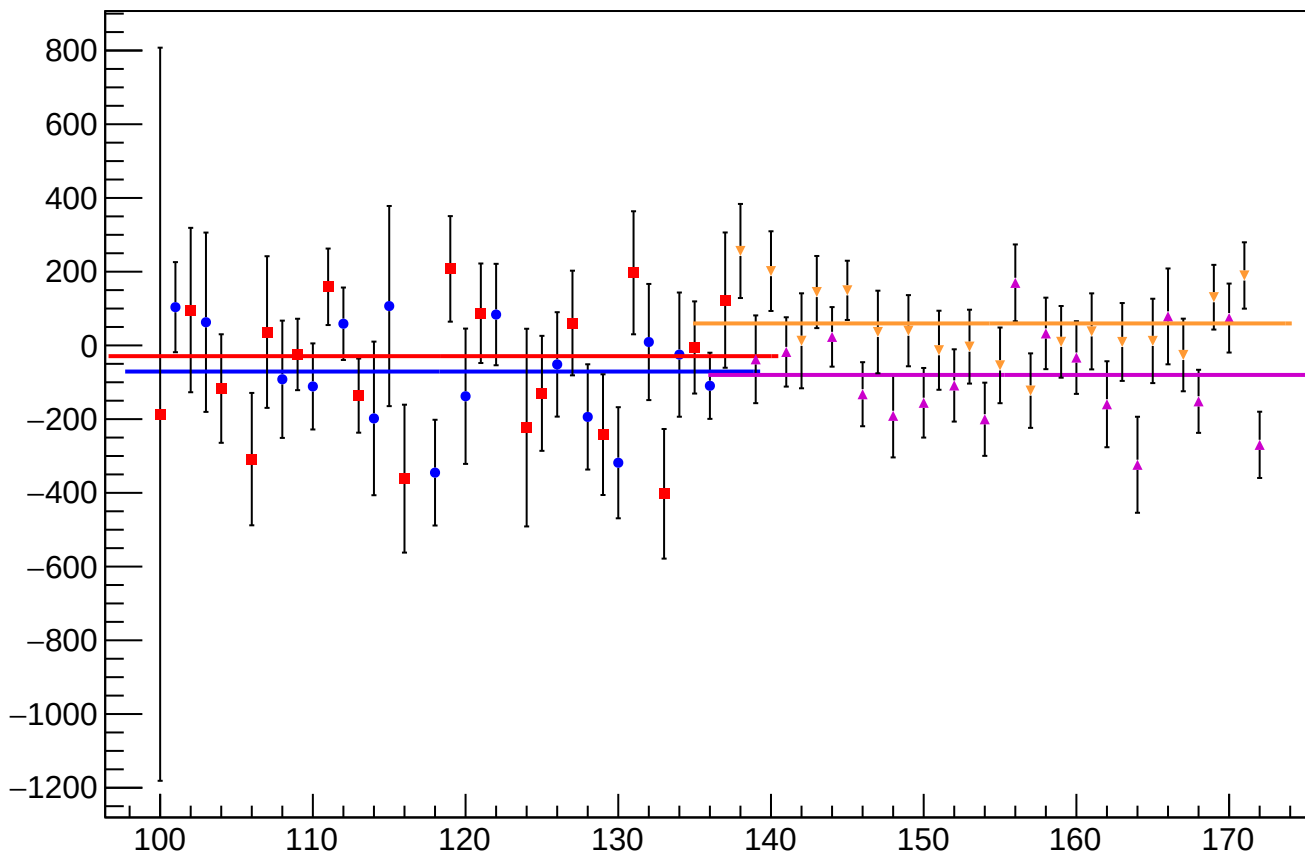
Left In: 799.370 $\pm$ 0.154 χ^2 /NDF: 916740.4/16

+ sign 871.184 $\pm$ 0.138 χ^2 /NDF: 2675834.6/33

All: 863.343 $\pm$ 0.097 χ^2 /NDF: 5387381.7/69

- sign 855.790 $\pm$ 0.135 χ^2 /NDF: 2705191.9/35

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

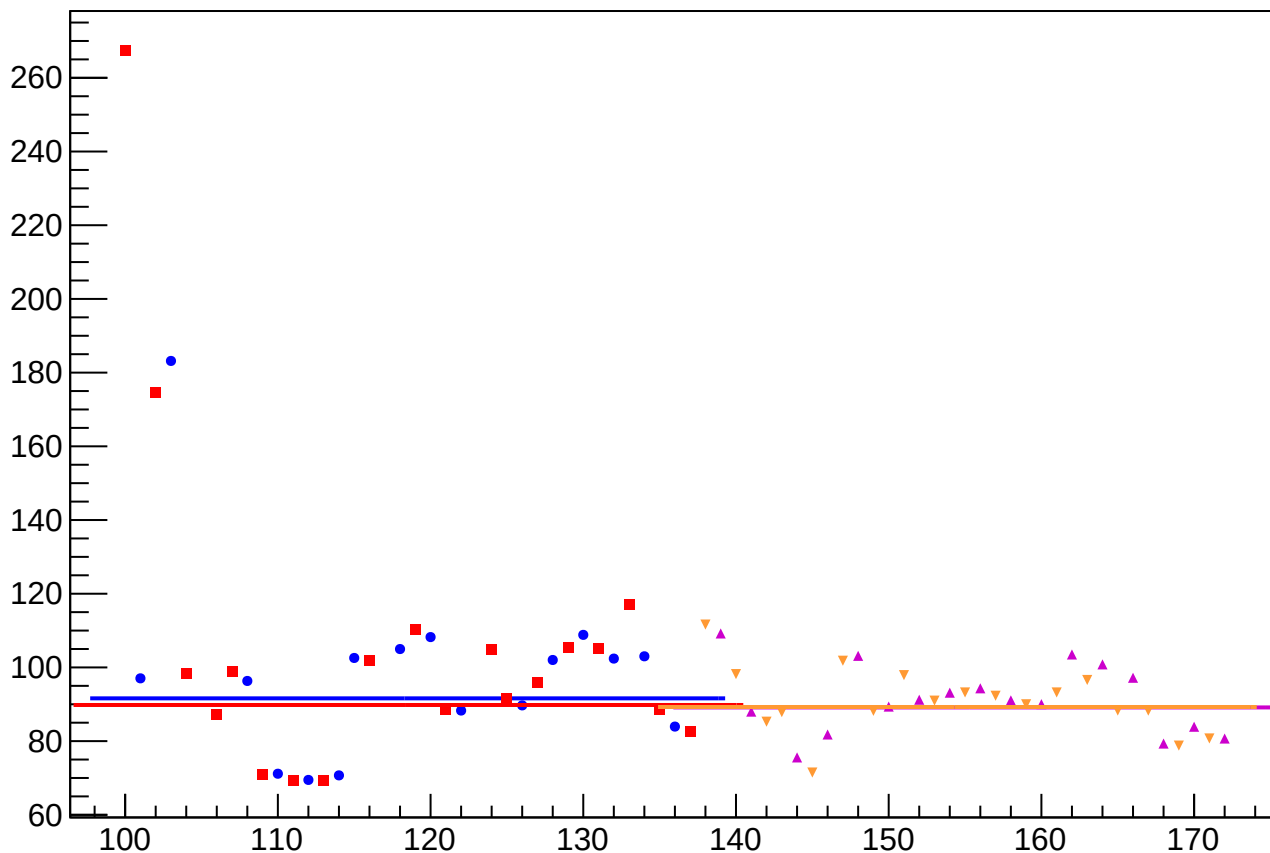
Left In: -80.094 ± 24.022 χ^2/NDF : 26.4/16

+ sign 18.374 ± 19.742 χ^2/NDF : 39.4/33

All: -22.618 ± 13.933 χ^2/NDF : 99.8/69

- sign -63.298 ± 19.666 χ^2/NDF : 51.8/35

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

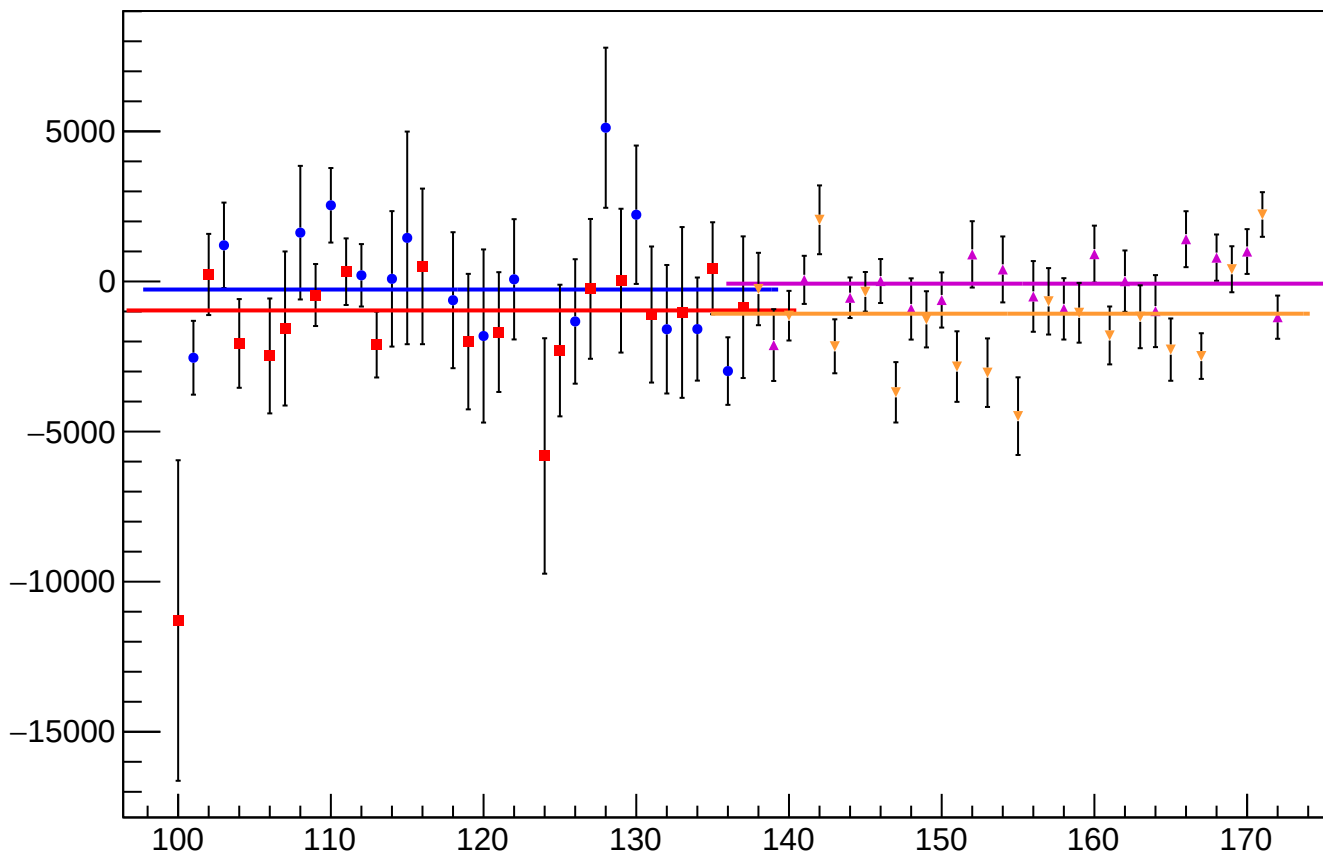
Left In: 89.143+/-0.017 χ^2/NDF : 272953.5/16

+ sign 90.003+/-0.014 χ^2/NDF : 865397.6/33

All: 89.681+/-0.010 χ^2/NDF : 1886745.0/69

- sign 89.362+/-0.014 χ^2/NDF : 1020290.6/35

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -268.506 $\pm$ 419.581 χ^2 /NDF: 23.4/15

Left Out: -1073.720 $\pm$ 220.087 χ^2 /NDF: 58.5/17

Right Out: -964.986 $\pm$ 401.633 χ^2 /NDF: 12.1/18

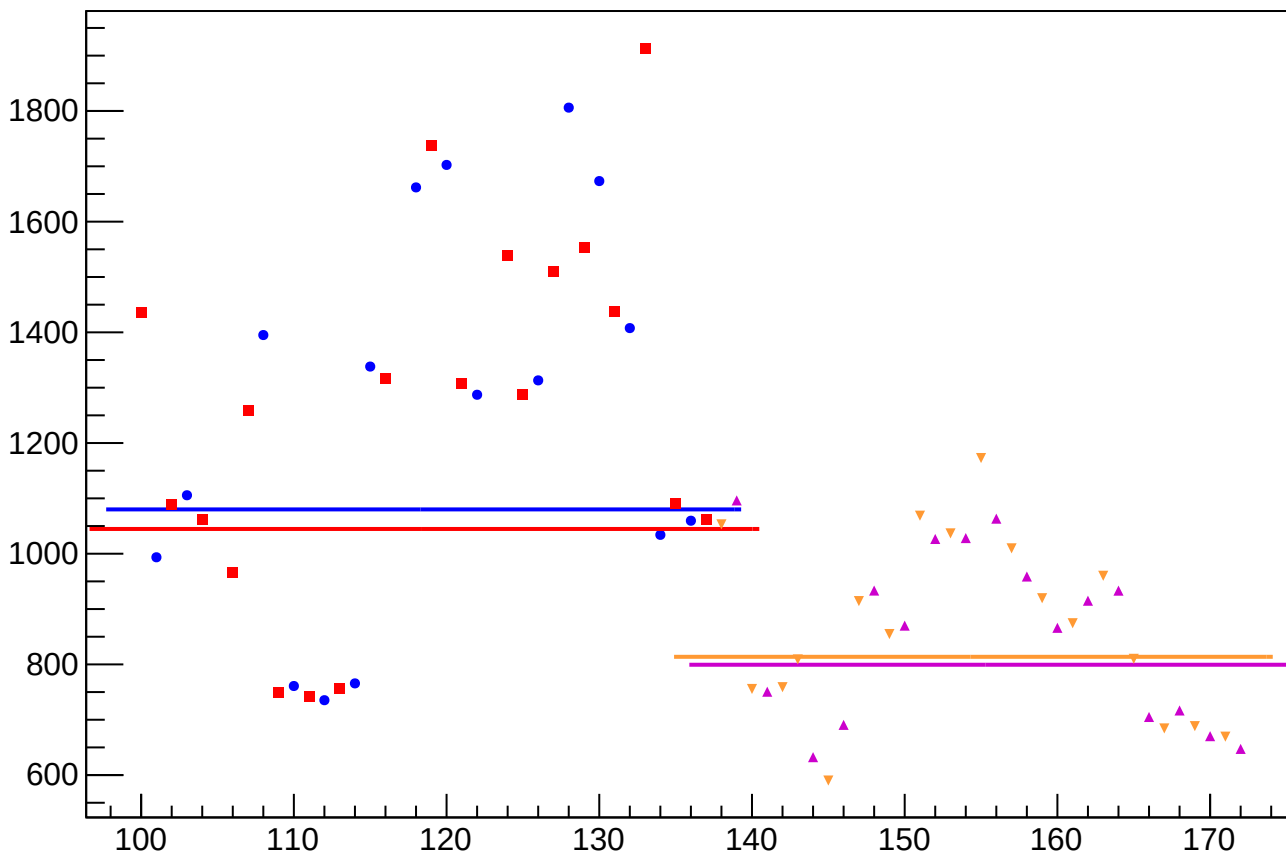
Left In: -73.178 $\pm$ 217.690 χ^2 /NDF: 16.2/16

+ sign -899.977 $\pm$ 194.901 χ^2 /NDF: 84.9/33

All: -582.147 $\pm$ 136.556 χ^2 /NDF: 122.2/69

- sign -275.680 $\pm$ 191.385 χ^2 /NDF: 32.1/35

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1080.054 $\pm$ 0.297 χ^2/NDF : 1053475.0/15

Left Out: 813.717 $\pm$ 0.156 χ^2/NDF : 990425.0/17

+ sign 871.185 $\pm$ 0.138 χ^2/NDF : 2675879.0/33

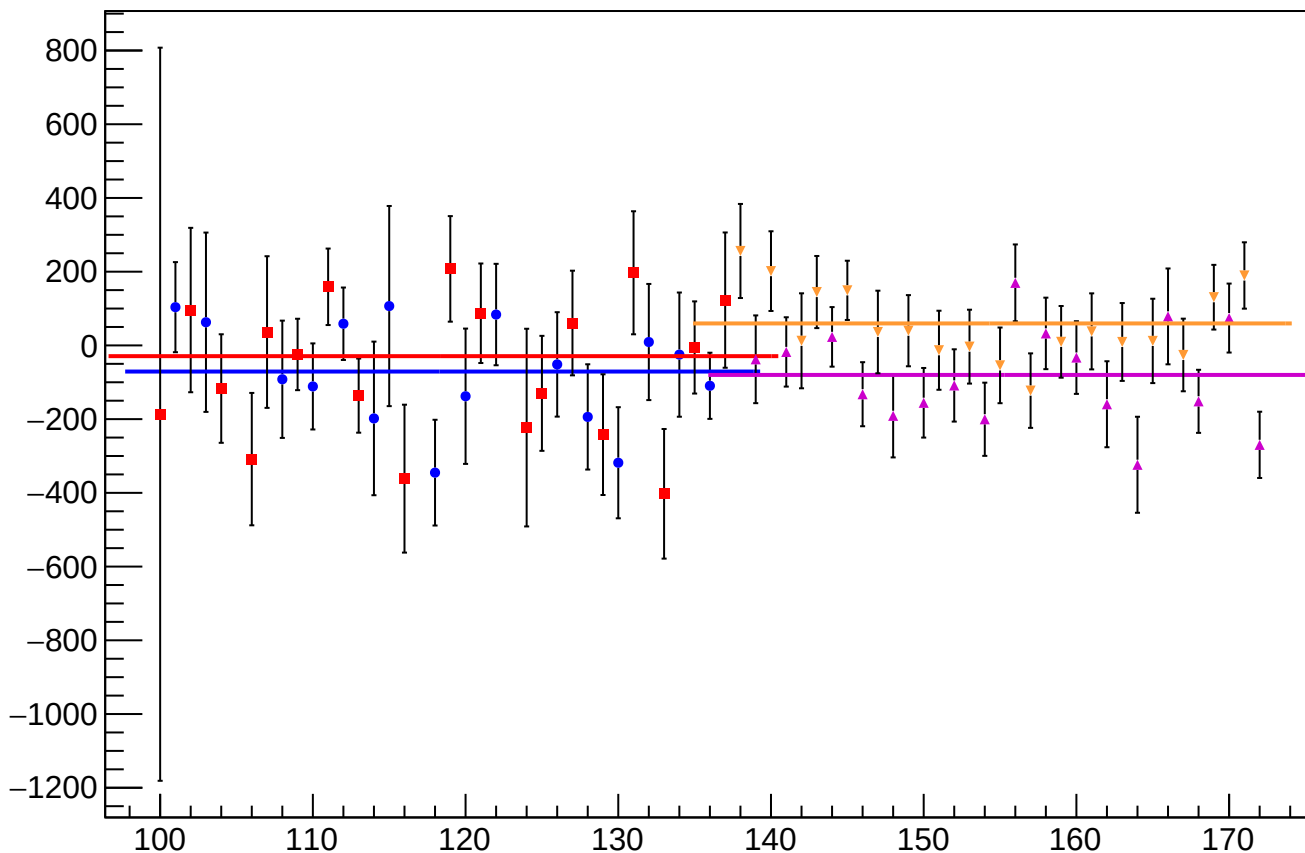
Right Out: 1044.717 $\pm$ 0.284 χ^2/NDF : 1201825.8/18

All: 862.986 $\pm$ 0.097 χ^2/NDF : 5378259.2/69

- sign 855.081 $\pm$ 0.135 χ^2/NDF : 2695428.4/35

Left In: 799.370 $\pm$ 0.154 χ^2/NDF : 916739.8/16

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

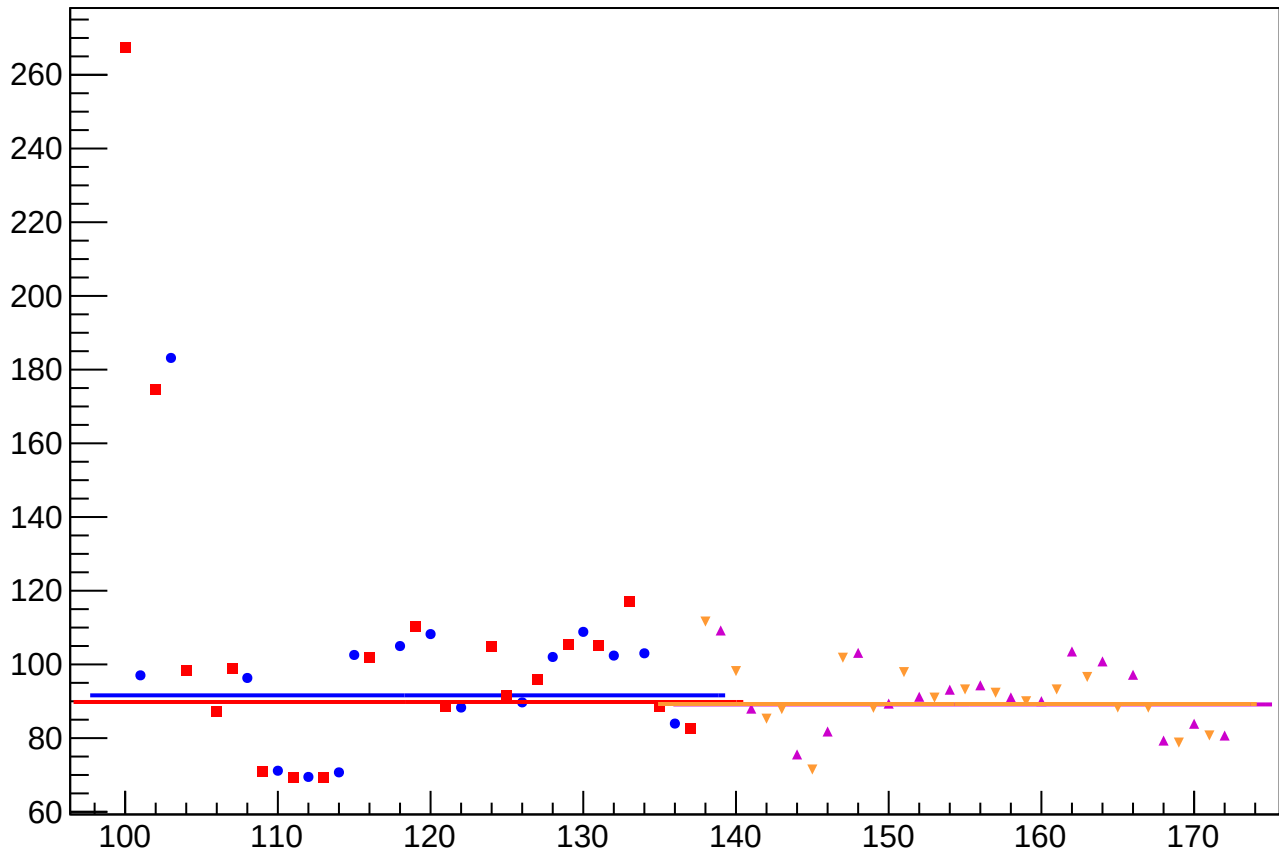
Left In: -80.094 ± 24.022 χ^2/NDF : 26.4/16

+ sign 18.374 ± 19.742 χ^2/NDF : 39.4/33

All: -22.618 ± 13.933 χ^2/NDF : 99.8/69

- sign -63.298 ± 19.666 χ^2/NDF : 51.8/35

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 91.608 $\pm$ 0.025 χ^2 /NDF: 580675.9/15

Left Out: 89.261 $\pm$ 0.017 χ^2 /NDF: 278613.0/17

Right Out: 89.807 $\pm$ 0.024 χ^2 /NDF: 746833.4/18

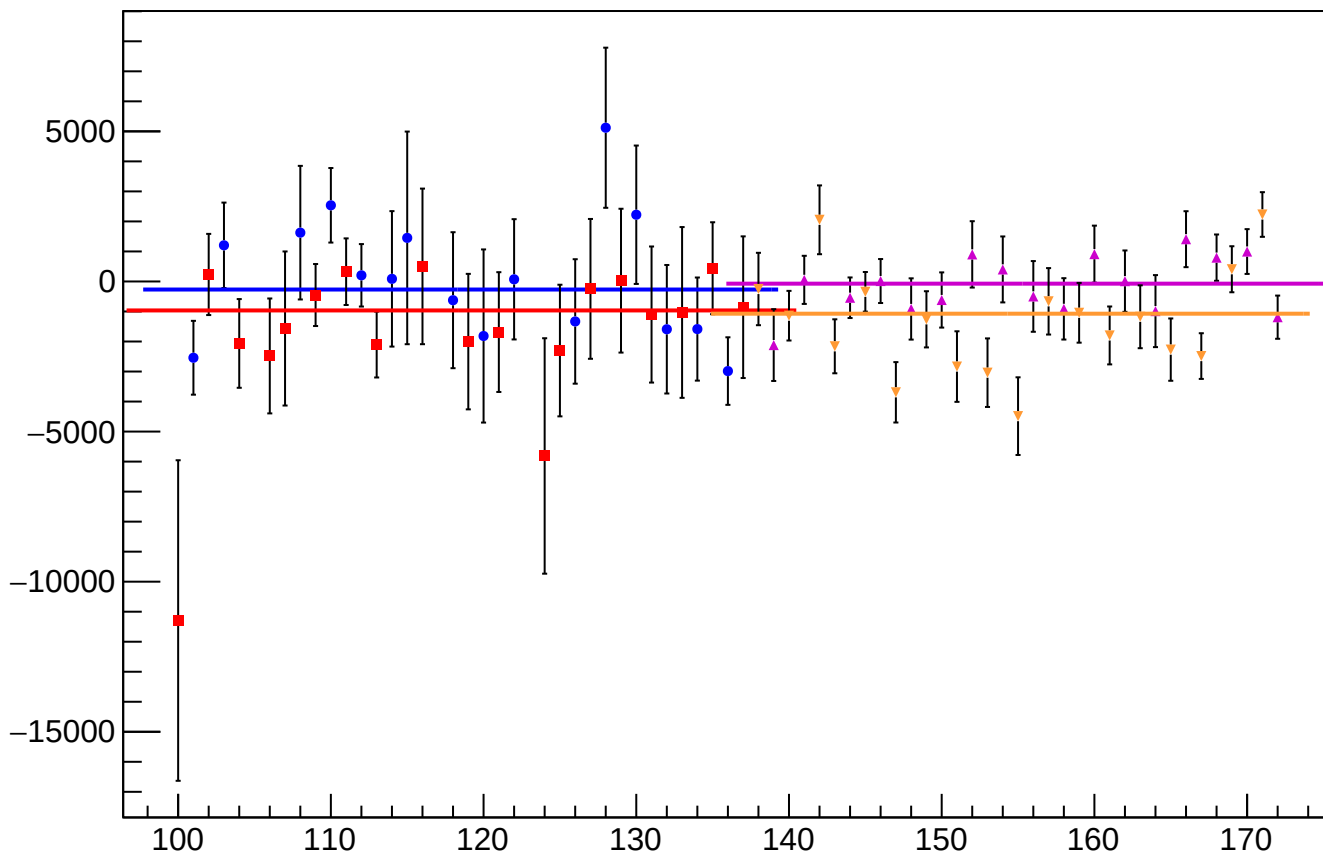
Left In: 89.143 $\pm$ 0.017 χ^2 /NDF: 272953.5/16

+ sign 90.003 $\pm$ 0.014 χ^2 /NDF: 865397.6/33

All: 89.681 $\pm$ 0.010 χ^2 /NDF: 1886745.0/69

- sign 89.362 $\pm$ 0.014 χ^2 /NDF: 1020290.6/35

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



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

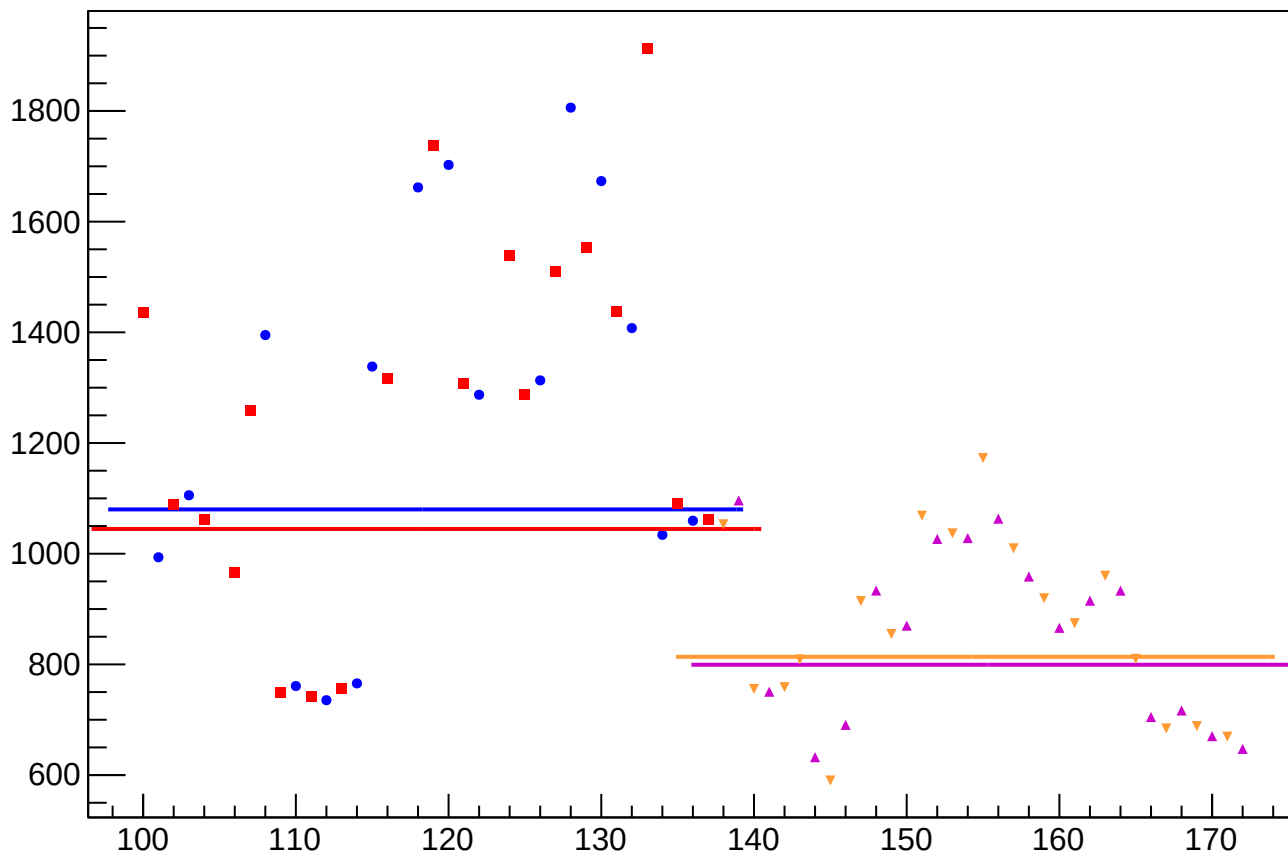
Left In: -73.178 ± 217.690 χ^2/NDF : 16.2/16

+ sign -899.977 ± 194.901 χ^2/NDF : 84.9/33

All: -582.147 ± 136.556 χ^2/NDF : 122.2/69

- sign -275.680 ± 191.385 χ^2/NDF : 32.1/35

asym_sam_3748_avg_eigen_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

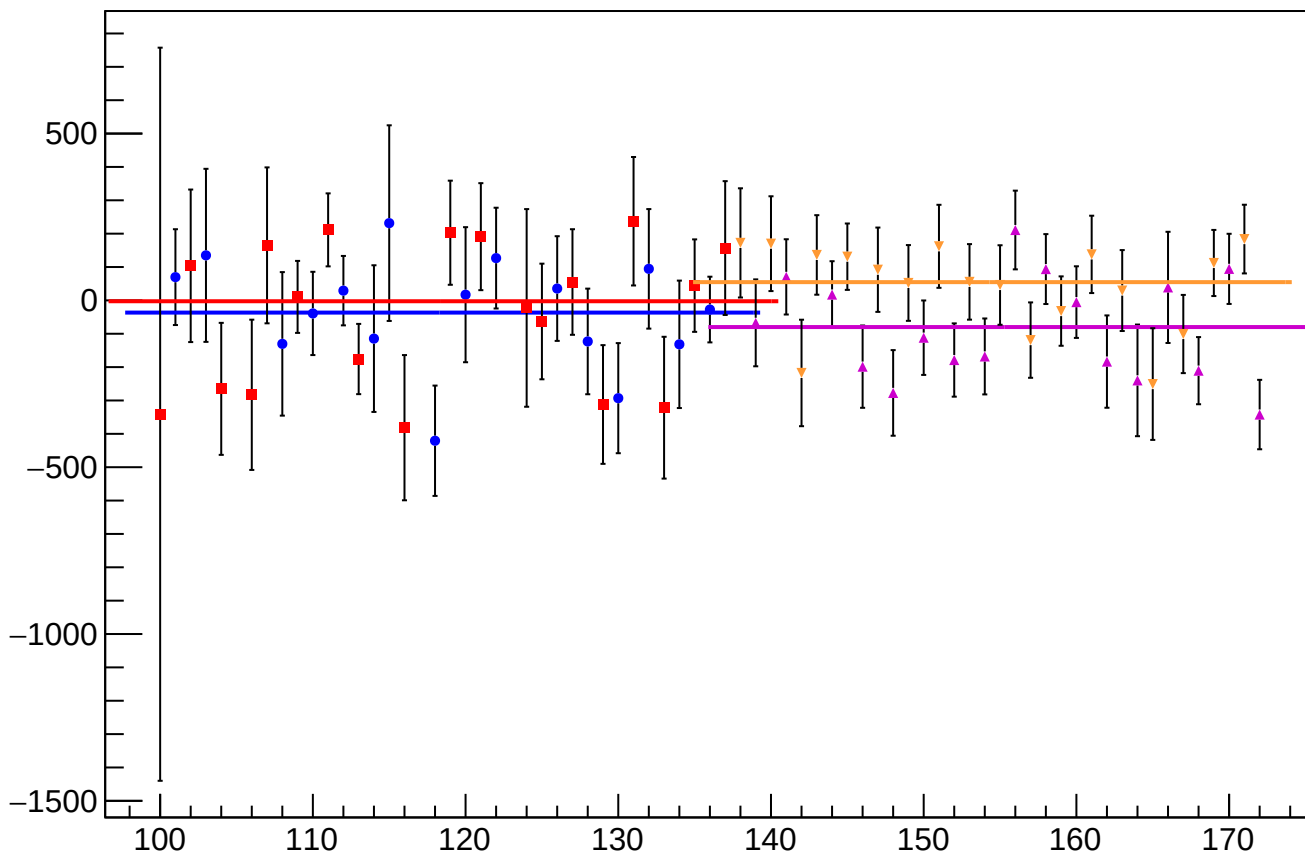
Left In: 799.370+/-0.154 χ^2 /NDF: 916739.8/16

+ sign 871.185+/-0.138 χ^2 /NDF: 2675879.0/33

All: 862.986+/-0.097 χ^2 /NDF: 5378259.2/69

- sign 855.081+/-0.135 χ^2 /NDF: 2695428.4/35

dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.590 $\pm$ 38.991 χ^2/NDF : 12.9/15

Left Out: 54.717 $\pm$ 28.075 χ^2/NDF : 16.6/17

Right Out: -2.568 $\pm$ 38.165 χ^2/NDF : 24.7/18

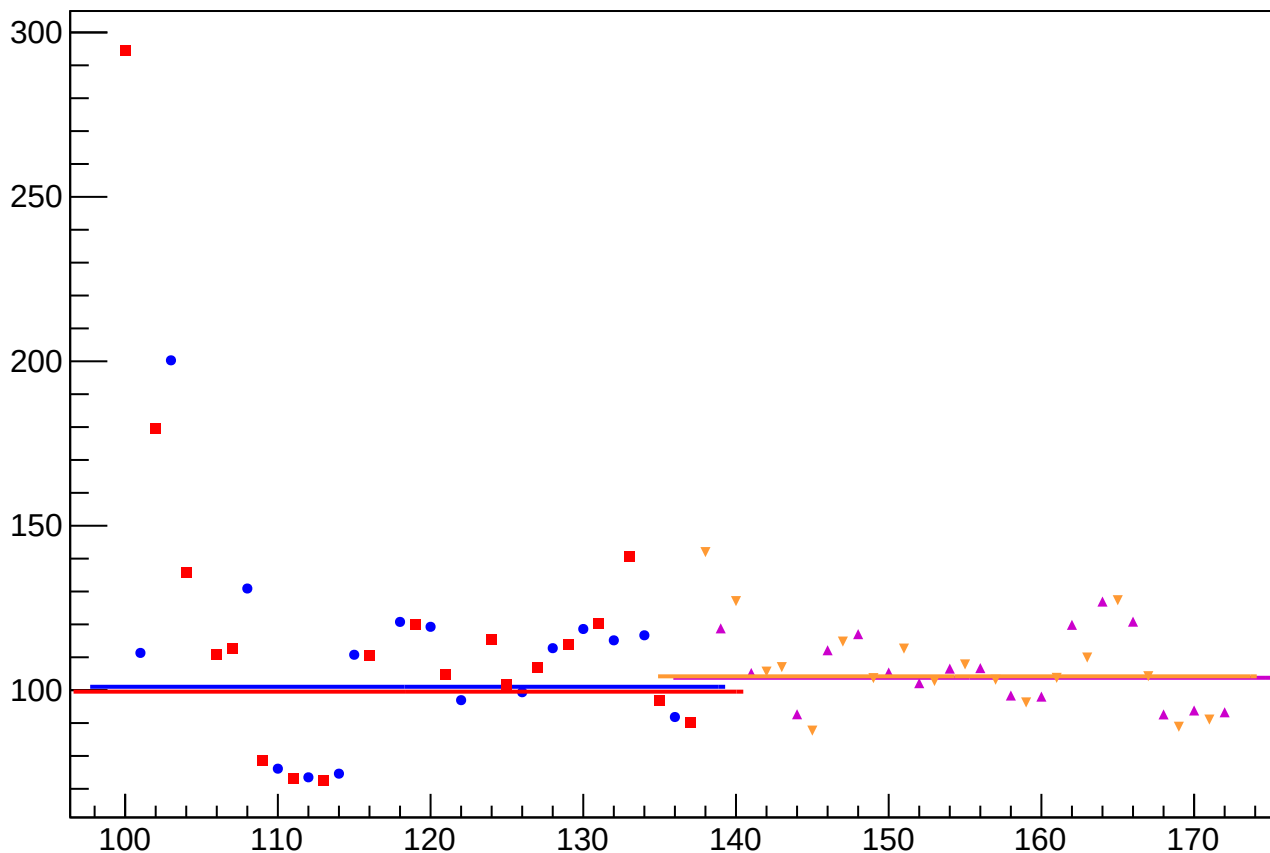
Left In: -79.931 $\pm$ 28.173 χ^2/NDF : 29.6/16

+ sign 23.541 $\pm$ 22.784 χ^2/NDF : 33.1/33

All: -14.748 $\pm$ 16.069 χ^2/NDF : 95.7/69

- sign -52.643 $\pm$ 22.666 χ^2/NDF : 57.0/35

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

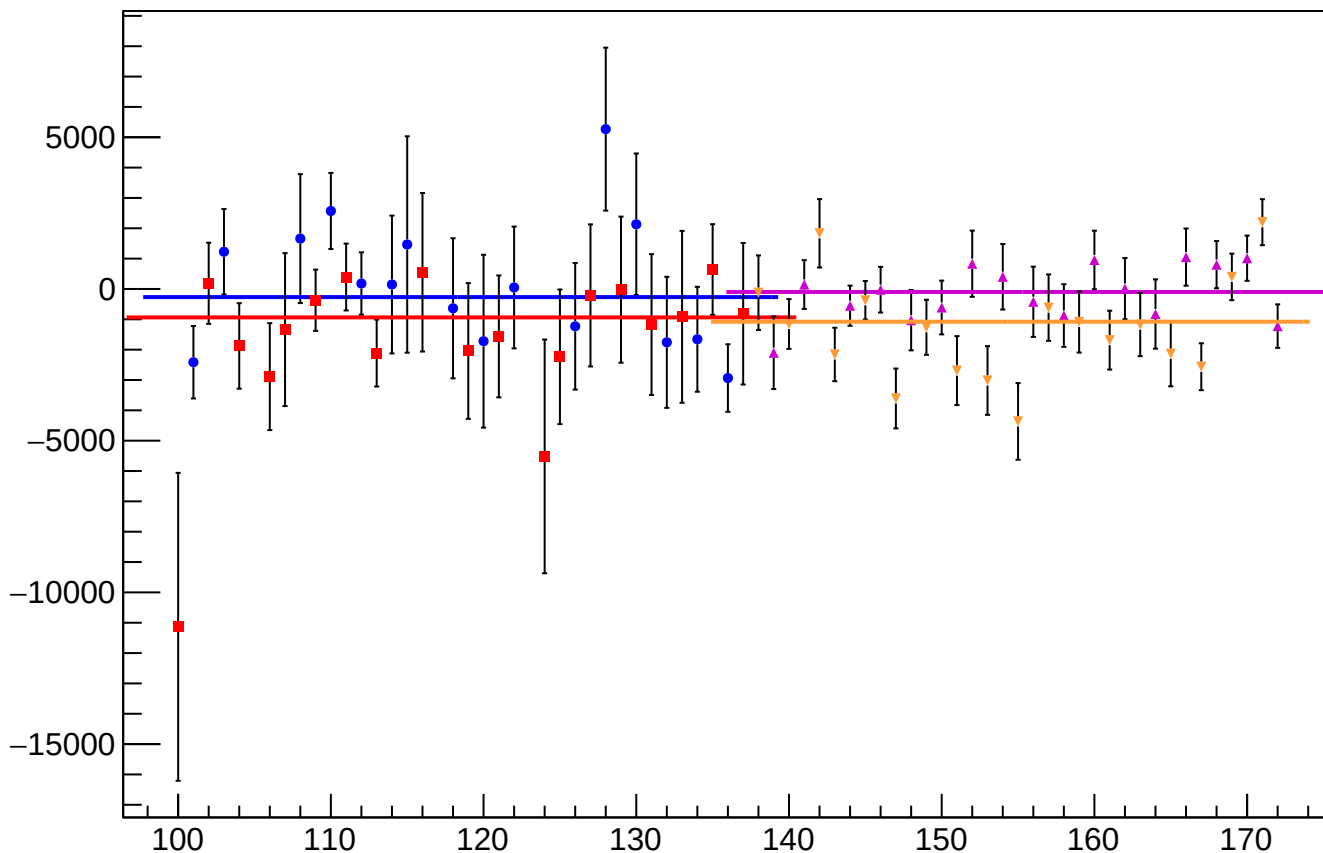
Left In: 103.765+/-0.020 χ^2/NDF : 245641.3/16

+ sign 103.121+/-0.016 χ^2/NDF : 1099926.5/33

All: 102.697+/-0.011 χ^2/NDF : 2243259.6/69

- sign 102.277+/-0.016 χ^2/NDF : 1141953.9/35

asym_sam_3748_avg_dit_correction_mean vs Slug



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

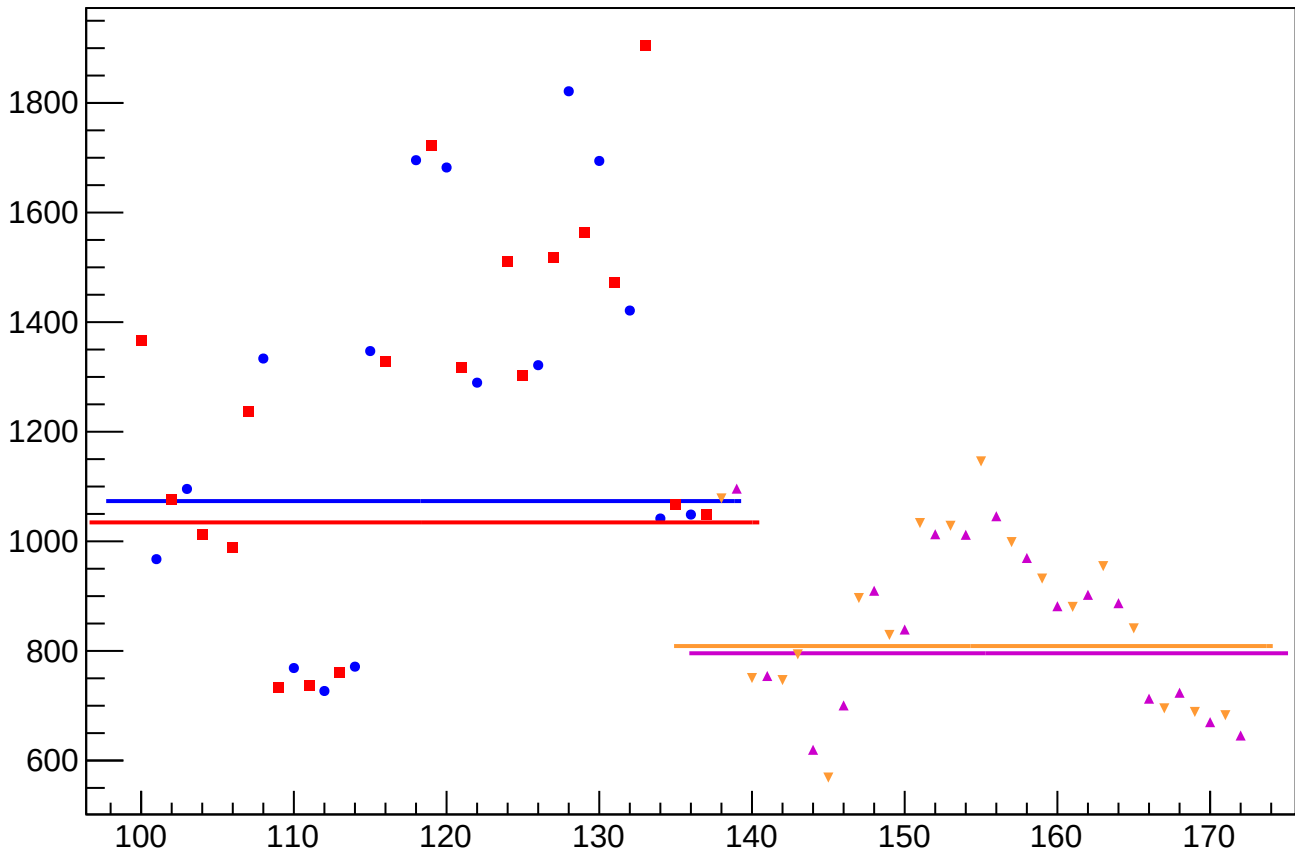
Left In: -98.676 ± 216.613 χ^2/NDF : 15.3/16

+ sign -903.698 ± 193.632 χ^2/NDF : 82.4/33

All: -591.913 ± 135.640 χ^2/NDF : 119.4/69

- sign -291.507 ± 190.066 χ^2/NDF : 31.9/35

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1073.456 $\pm$ 0.295 χ^2 /NDF: 1077055.9/15

Left Out: 808.883 $\pm$ 0.155 χ^2 /NDF:1001483.6/17

+ sign 865.912 $\pm$ 0.137 χ^2 /NDF: 2709910.9/33

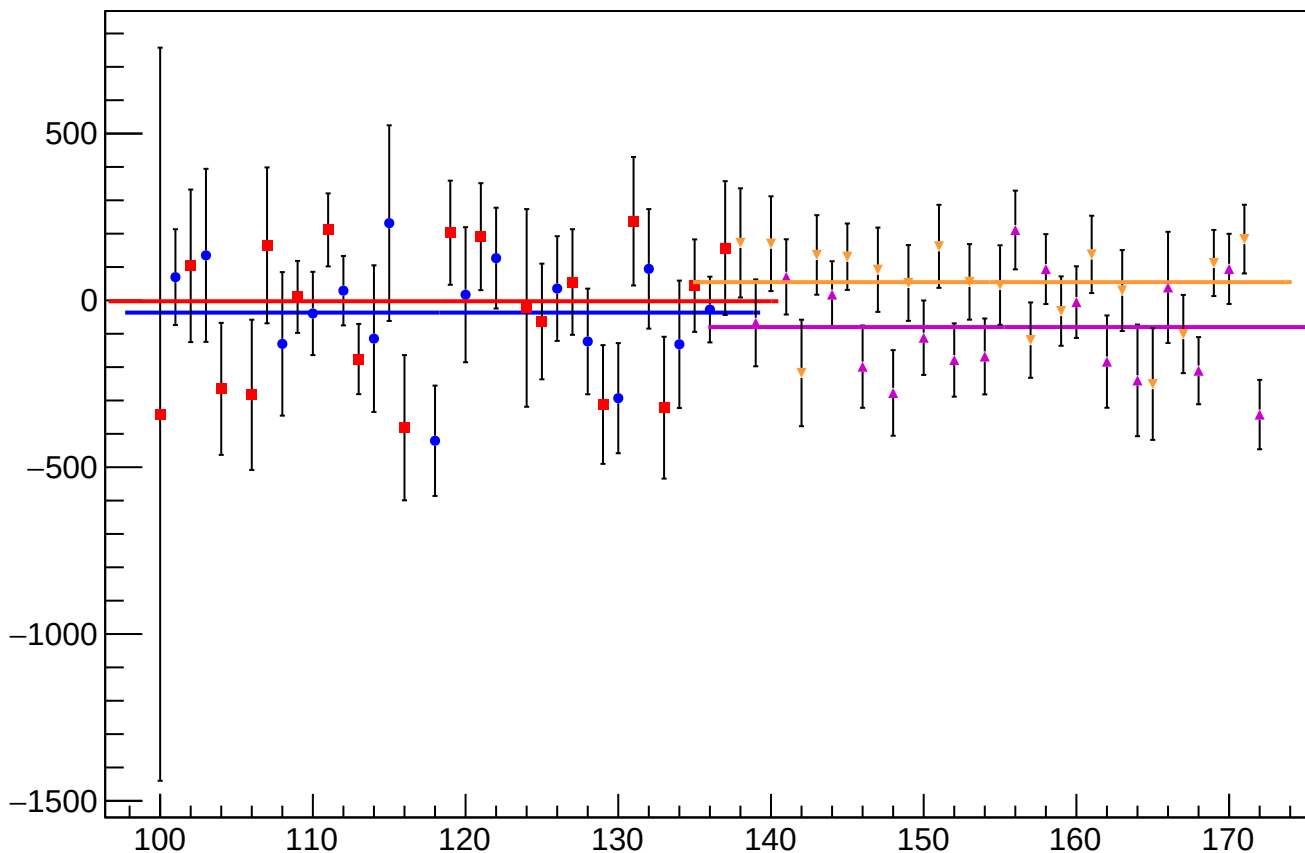
Right Out: 1034.535 $\pm$ 0.280 χ^2 /NDF: 1229344.1/18

All: 858.153 $\pm$ 0.096 χ^2 /NDF: 5378958.7/69

Left In: 795.731 $\pm$ 0.153 χ^2 /NDF:874095.7/16

- sign 850.678 $\pm$ 0.134 χ^2 /NDF: 2662743.1/35

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -36.589 ± 38.991 $\chi^2/\text{NDF}: 12.9/15$

Left Out: 54.719 ± 28.075 $\chi^2/\text{NDF}: 16.6/17$

Right Out: -2.566 ± 38.165 $\chi^2/\text{NDF}: 24.7/18$

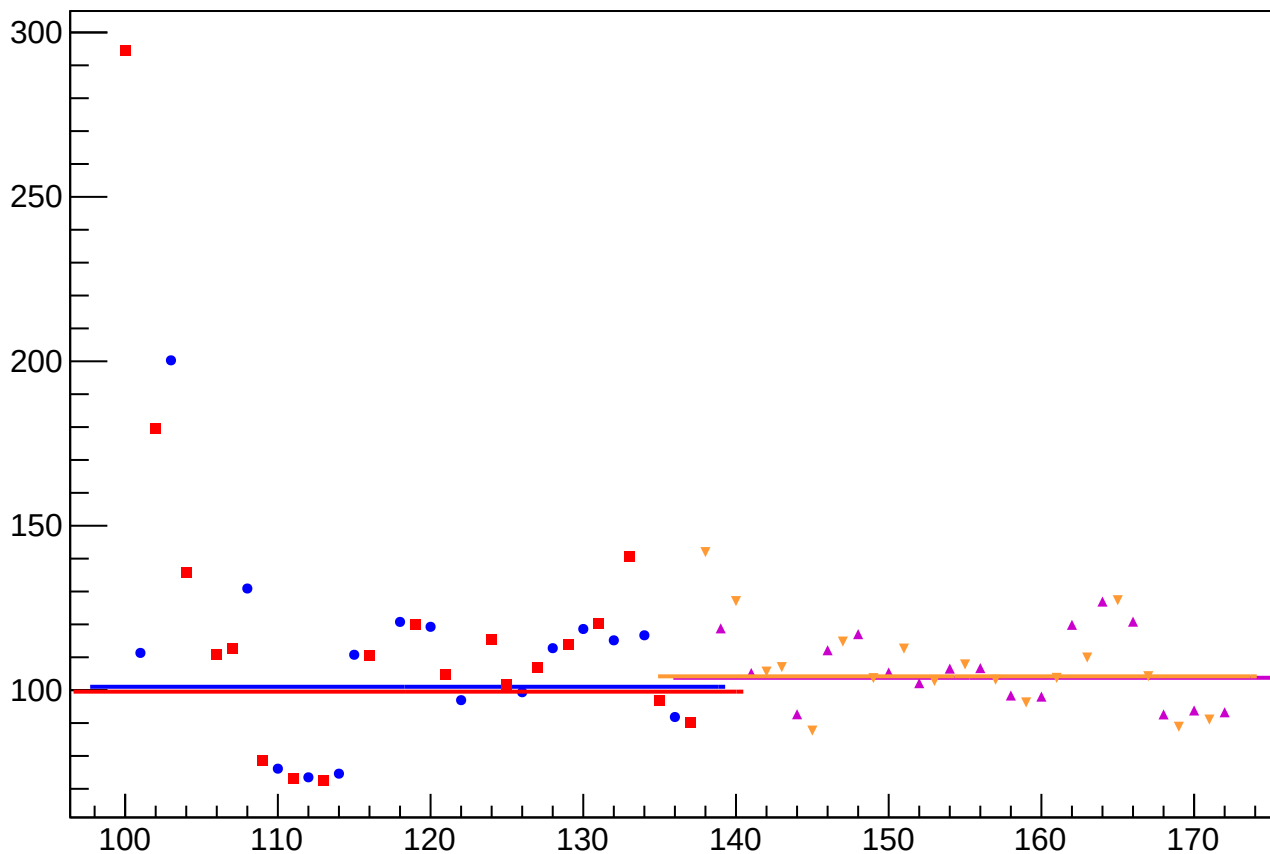
Left In: -79.931 ± 28.173 $\chi^2/\text{NDF}: 29.6/16$

+ sign 23.542 ± 22.784 $\chi^2/\text{NDF}: 33.1/33$

All: -14.747 ± 16.069 $\chi^2/\text{NDF}: 95.7/69$

- sign -52.643 ± 22.666 $\chi^2/\text{NDF}: 57.0/35$

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.031 $\pm$ 0.028 χ^2 /NDF: 716094.5/15

Left Out: 104.206 $\pm$ 0.020 χ^2 /NDF: 375099.0/17

Right Out: 99.547 $\pm$ 0.027 χ^2 /NDF: 880499.8/18

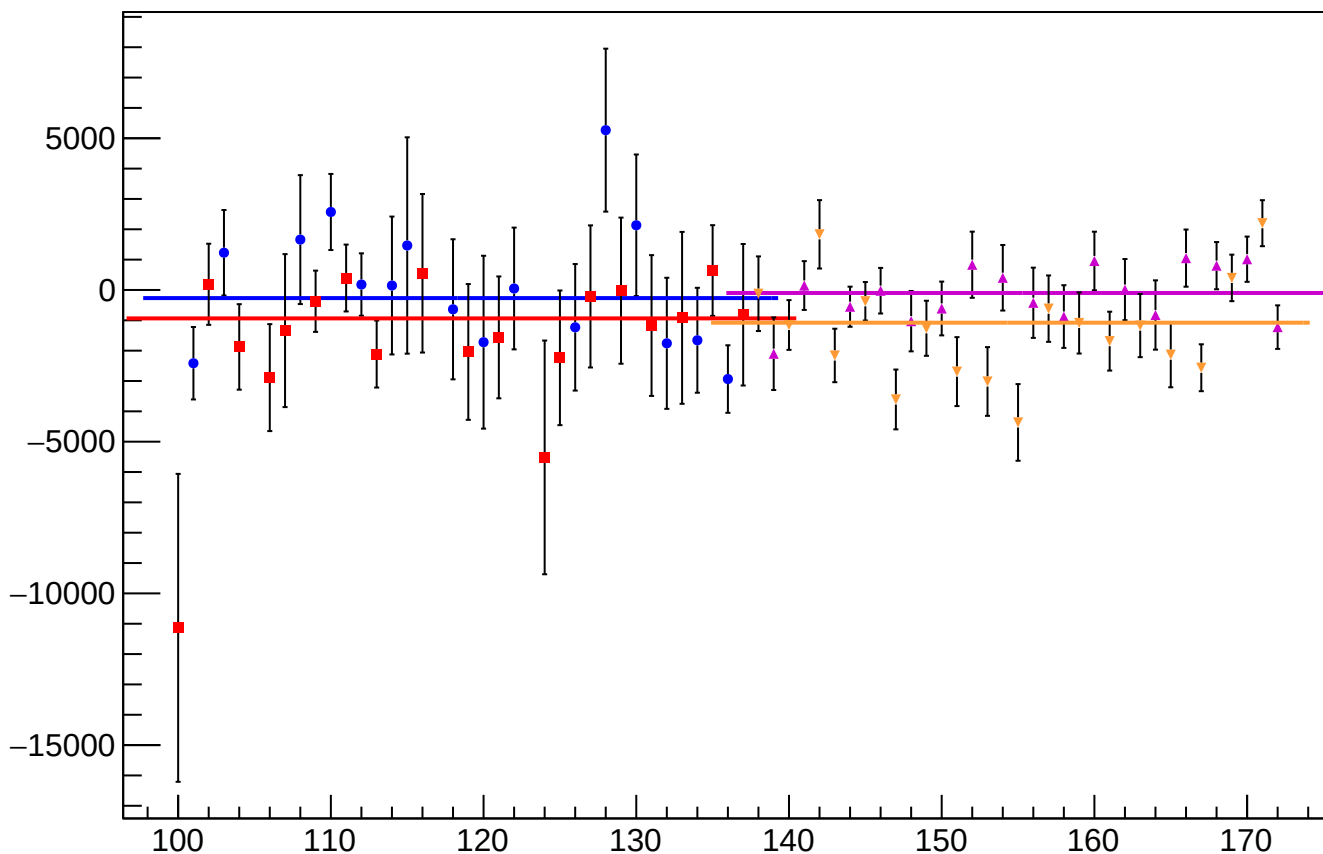
Left In: 103.766 $\pm$ 0.020 χ^2 /NDF: 245641.6/16

+ sign 103.122 $\pm$ 0.016 χ^2 /NDF: 1099922.9/33

All: 102.698 $\pm$ 0.011 χ^2 /NDF: 2243259.8/69

- sign 102.278 $\pm$ 0.016 χ^2 /NDF: 1141957.6/35

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -267.885 $\pm$ 417.061 χ^2 /NDF: 23.5/15

Left Out: -1078.407 $\pm$ 218.622 χ^2 /NDF:56.0/17

Right Out: -936.732 $\pm$ 396.234 χ^2 /NDF: 13.1/18

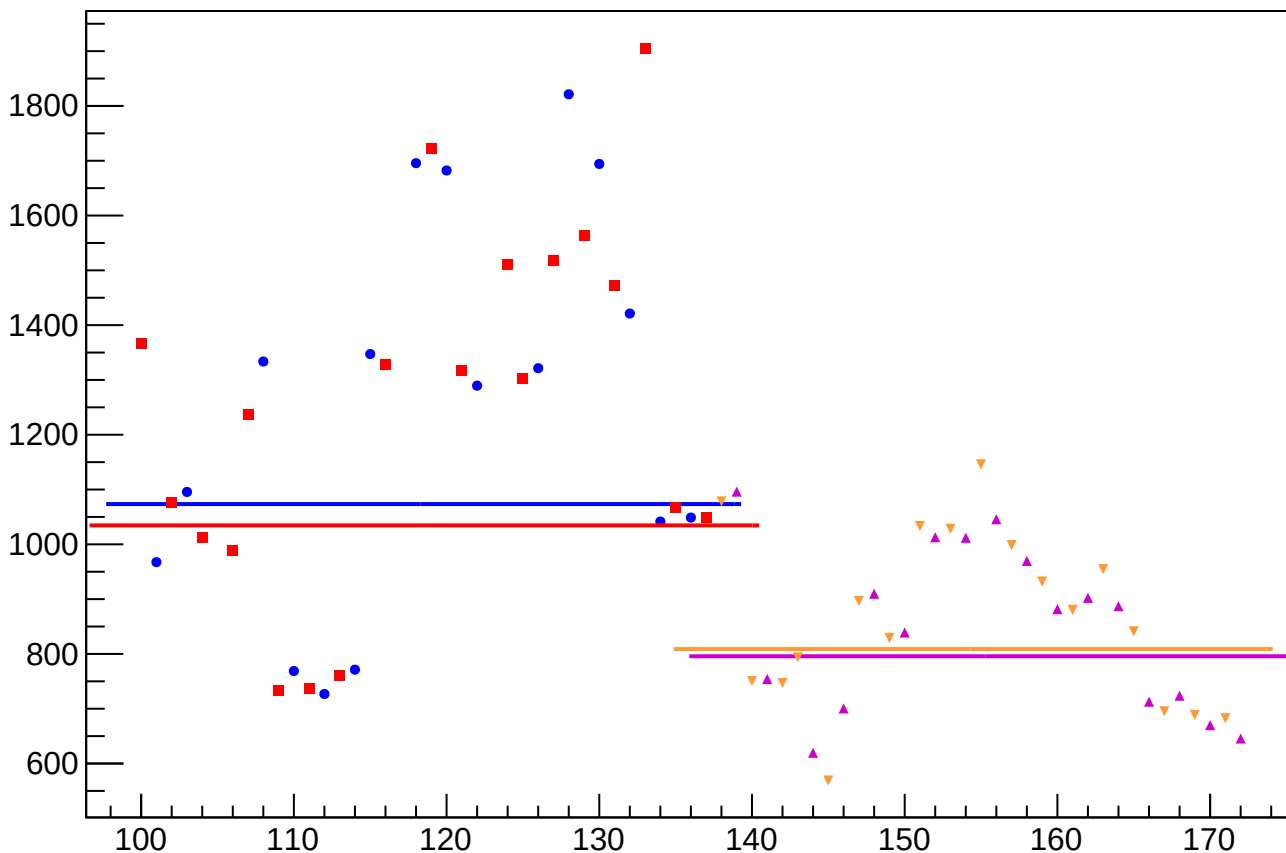
Left In: -98.675 $\pm$ 216.613 χ^2 /NDF:15.3/16

+ sign -903.697 $\pm$ 193.631 χ^2 /NDF: 82.4/33

All: -591.912 $\pm$ 135.640 χ^2 /NDF: 119.4/69

- sign -291.506 $\pm$ 190.065 χ^2 /NDF: 31.9/35

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



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

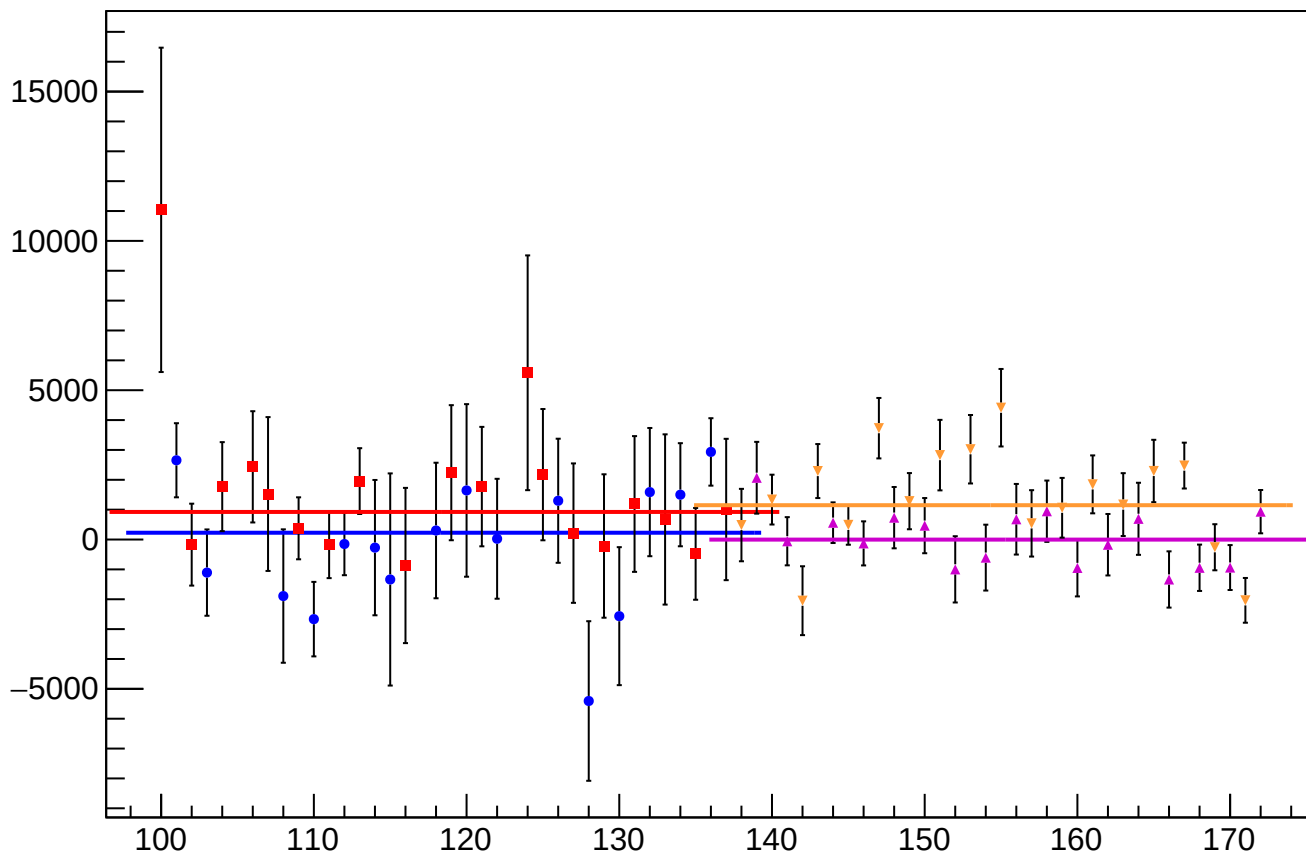
Left In: 795.730+/-0.153 χ^2/NDF : 874096.0/16

+ sign 865.911+/-0.137 χ^2/NDF : 2709919.6/33

All: 858.152+/-0.096 χ^2/NDF : 5378969.7/69

- sign 850.677+/-0.134 χ^2/NDF : 2662745.4/35

asym_sam_3748_avg_mean vs Slug



Right In: 227.502 $\pm$ 421.838 χ^2 /NDF: 24.4/15

Left Out: 1149.514 $\pm$ 221.497 χ^2 /NDF: 54.6/17

Right Out: 923.649 $\pm$ 403.102 χ^2 /NDF: 11.2/18

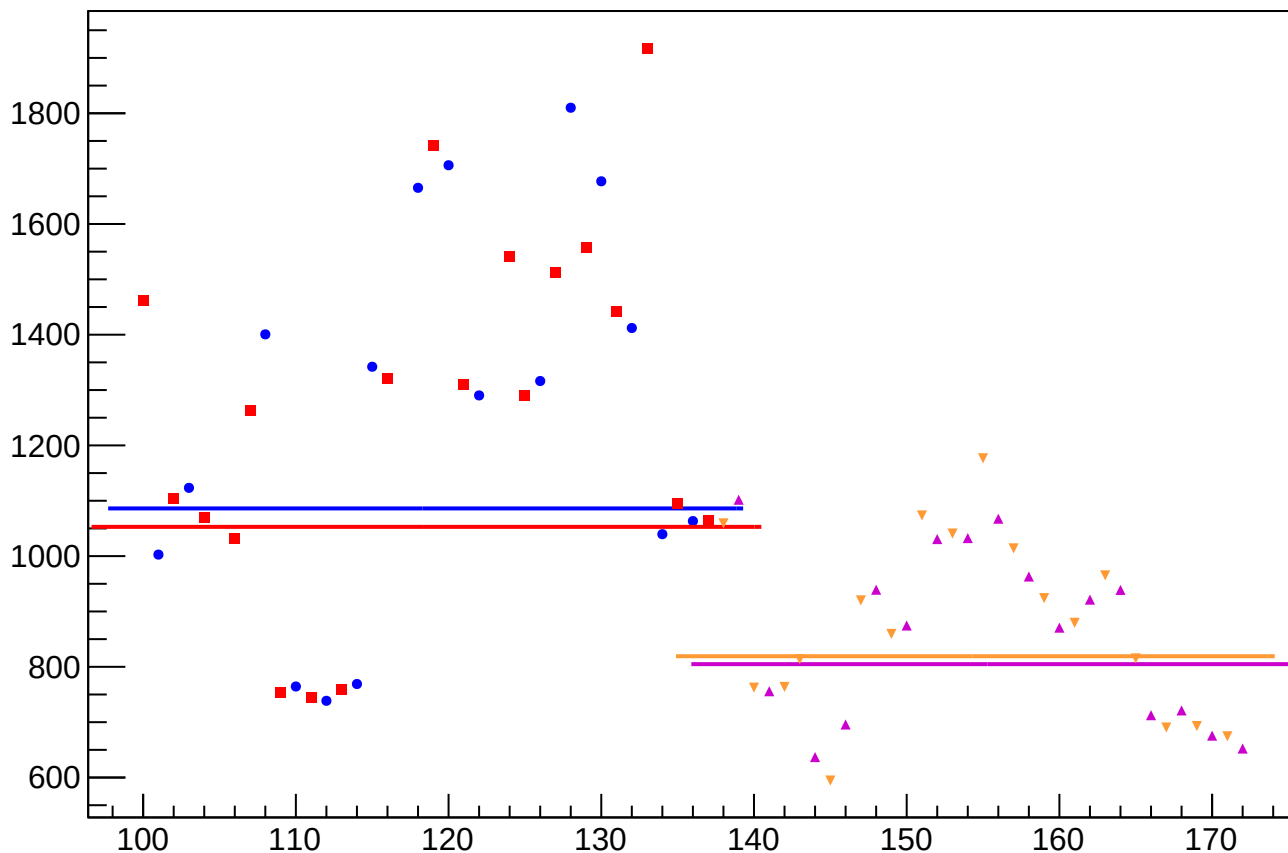
Left In: -2.663 $\pm$ 219.129 χ^2 /NDF: 14.8/16

+ sign 950.248 $\pm$ 196.107 χ^2 /NDF: 82.8/33

All: 572.598 $\pm$ 137.383 χ^2 /NDF: 120.1/69

- sign 208.631 $\pm$ 192.522 χ^2 /NDF: 30.1/35

asym_sam_3748_avg_rms vs Slug



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

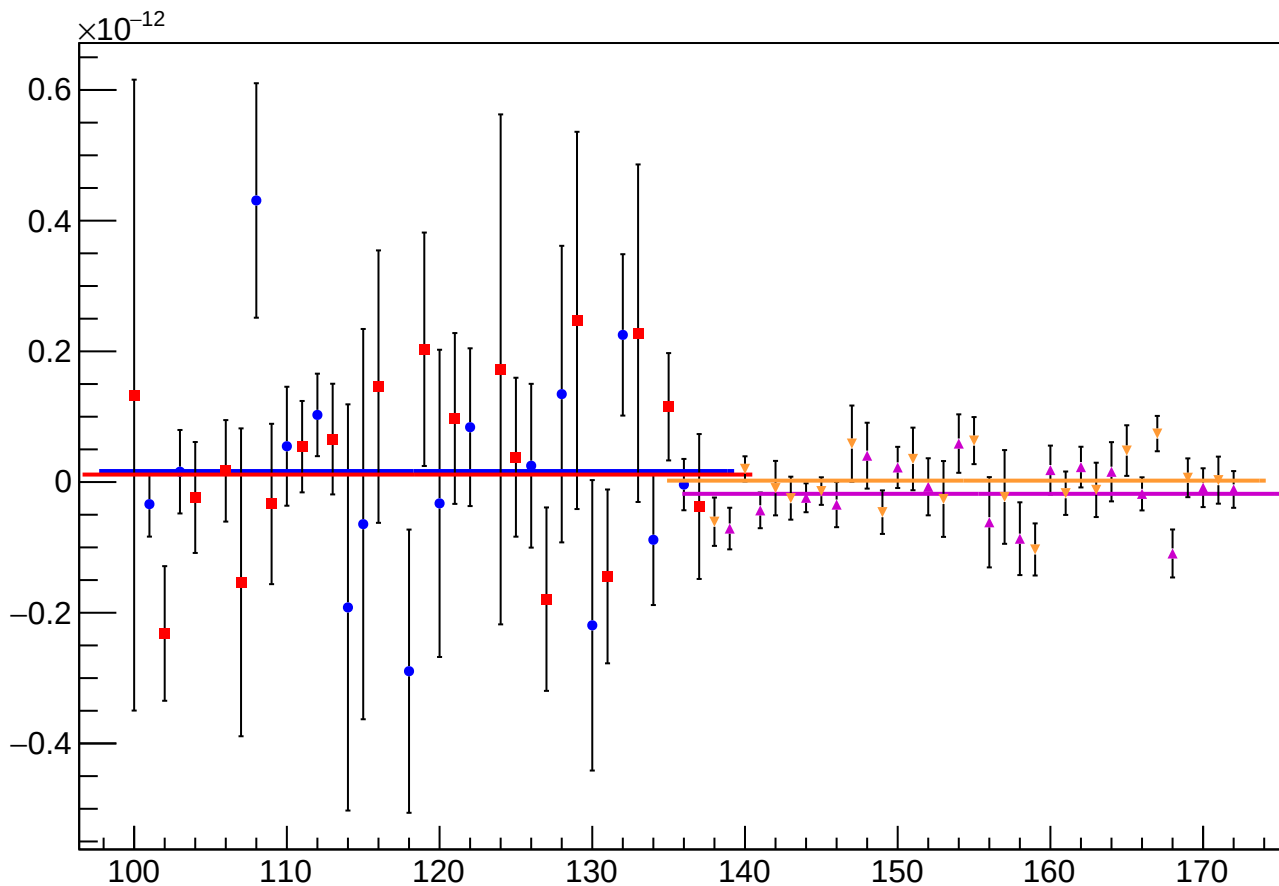
Left In: 804.848+/-0.155 χ^2 /NDF: 904547.5/16

+ sign 876.839+/-0.139 χ^2 /NDF: 2653165.4/33

All: 868.984+/-0.097 χ^2 /NDF: 5342691.5/69

- sign 861.413+/-0.136 χ^2 /NDF: 2683224.6/35

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/18

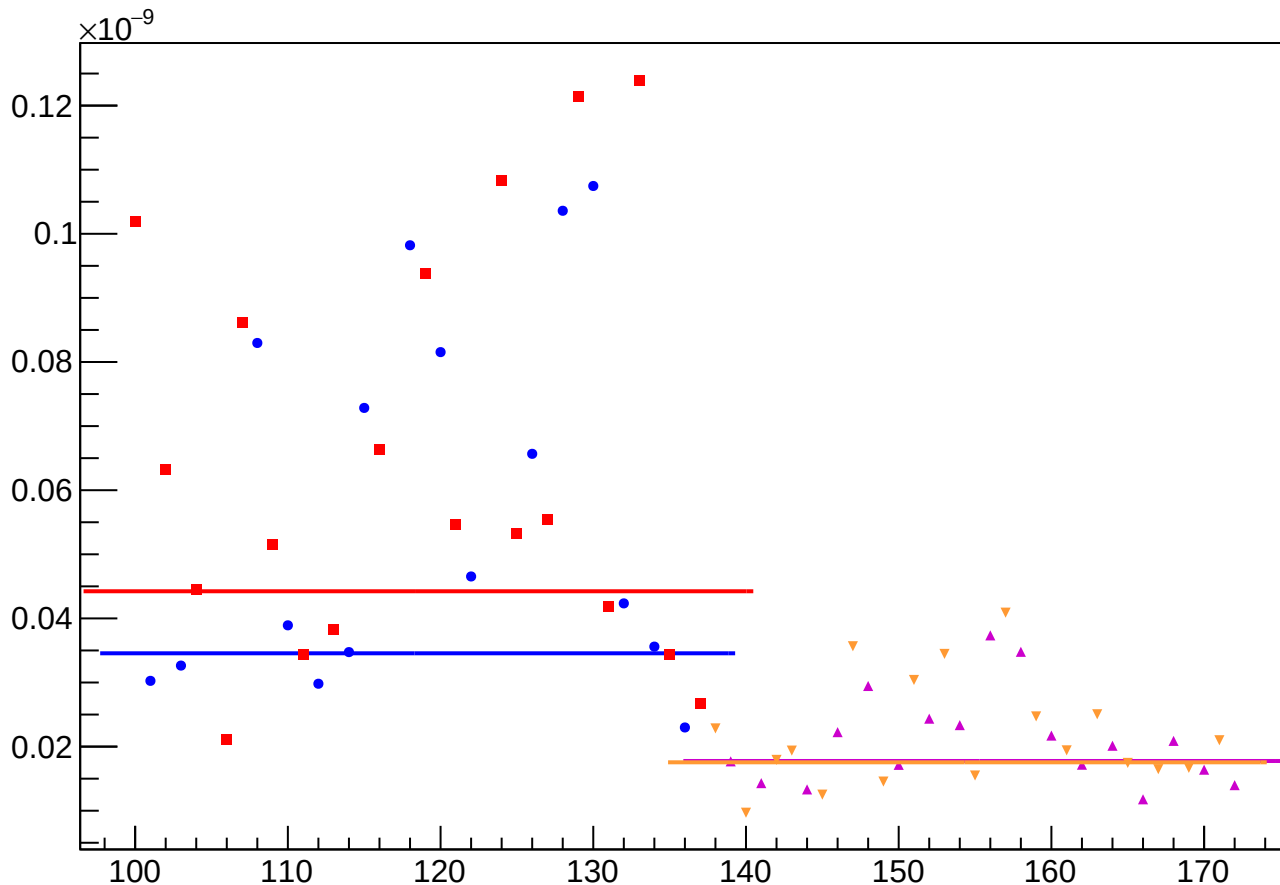
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.1/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 86.7/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/35

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1188815.4/15$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1397348.8/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 1073061.4/18$

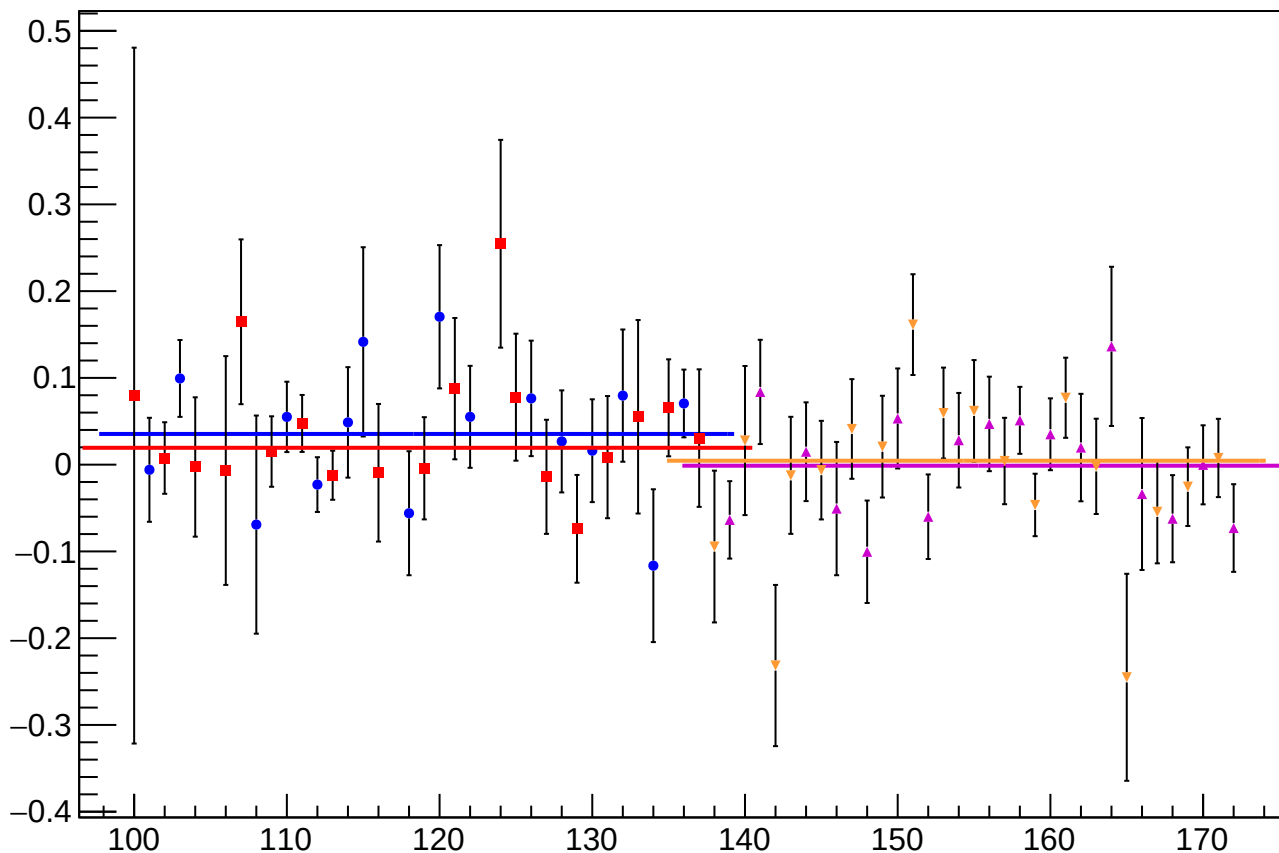
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 874507.6/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 3660891.4/33$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 7387973.1/69$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 3723282.9/35$

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2/NDF : 16.9/15

Left Out: 0.005 $\pm$ 0.013 χ^2/NDF : 28.0/17

Right Out: 0.019 $\pm$ 0.013 χ^2/NDF : 13.4/18

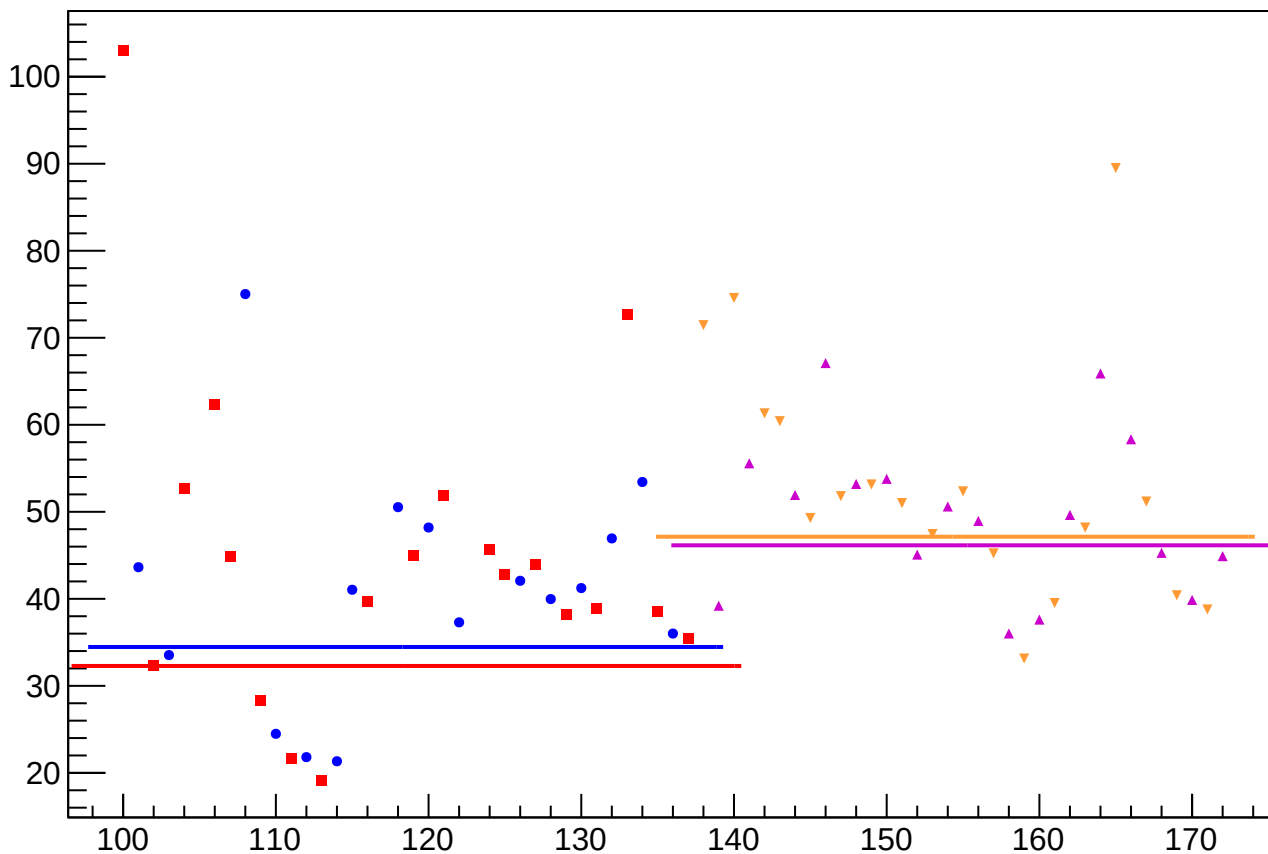
Left In: -0.001 $\pm$ 0.013 χ^2/NDF : 19.3/16

+ sign 0.019 $\pm$ 0.010 χ^2/NDF : 47.6/33

All: 0.014 $\pm$ 0.007 χ^2/NDF : 82.1/69

- sign 0.009 $\pm$ 0.009 χ^2/NDF : 33.9/35

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.468 $\pm$ 0.010 χ^2 /NDF: 1171203.3/15

Left Out: 47.138 $\pm$ 0.009 χ^2 /NDF:1279158.4/17

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672637.0/18

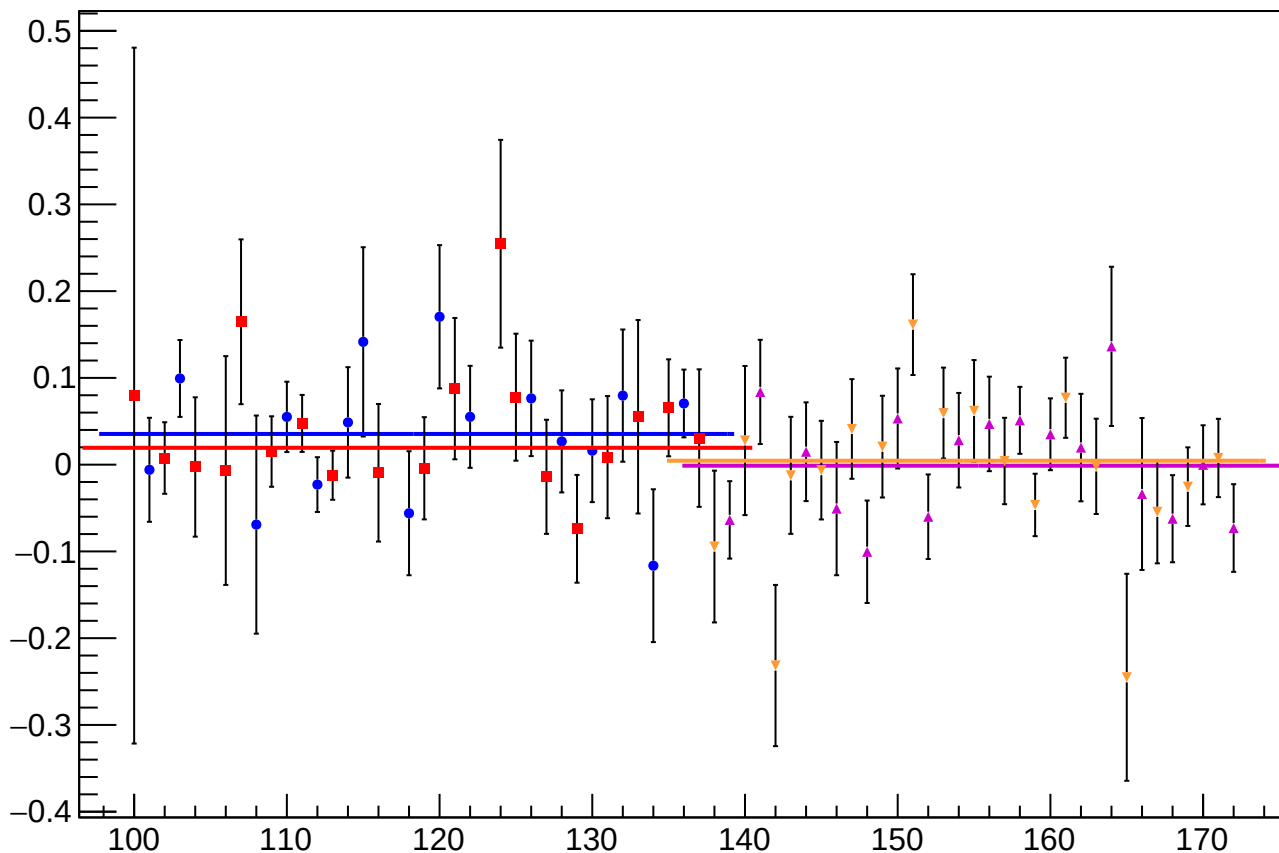
Left In: 46.150 $\pm$ 0.009 χ^2 /NDF:750579.9/16

+ sign 41.141 $\pm$ 0.007 χ^2 /NDF: 3326629.1/33

All: 40.195 $\pm$ 0.005 χ^2 /NDF: 6919848.2/69

- sign 39.316 $\pm$ 0.007 χ^2 /NDF: 3555436.7/35

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: 0.005 $\pm$ 0.013 χ^2 /NDF: 28.0/17

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

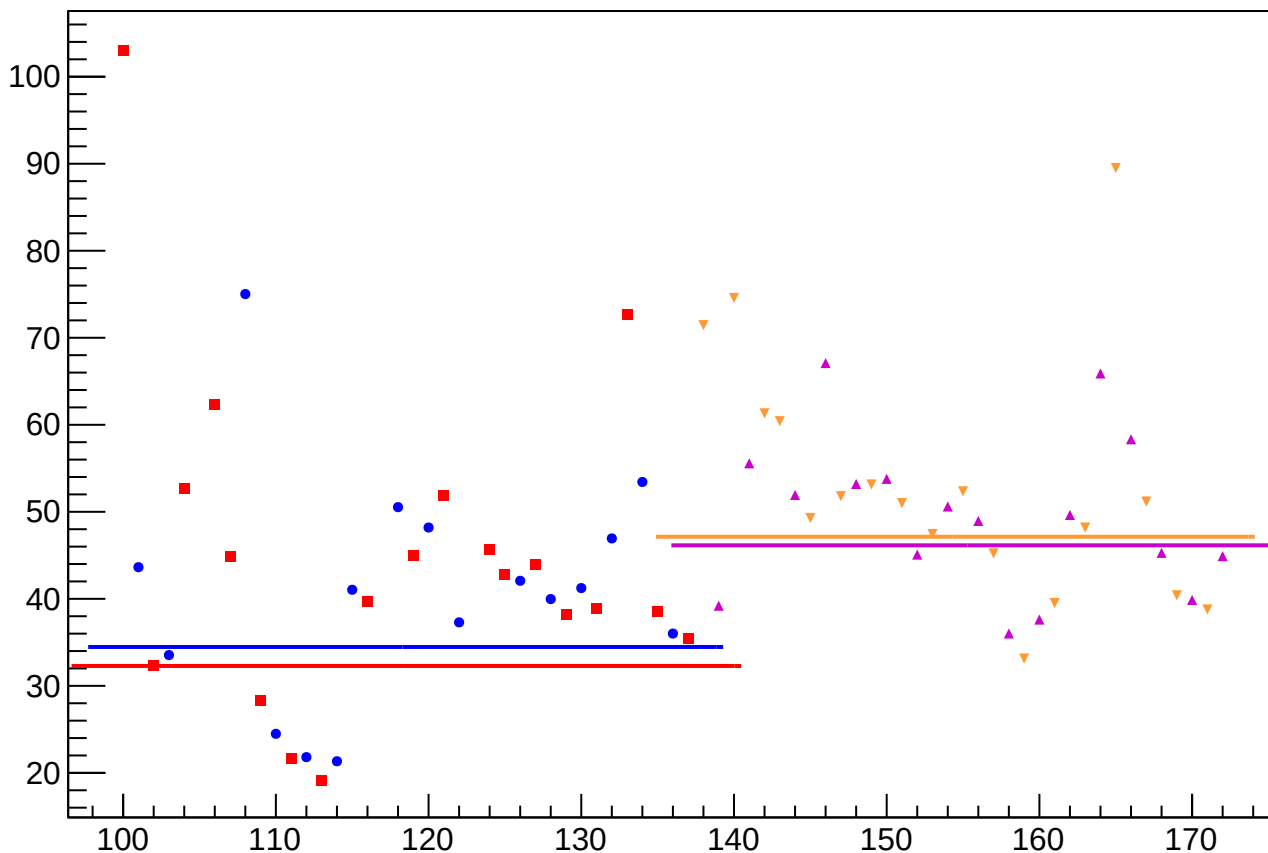
Left In: -0.001 $\pm$ 0.013 χ^2 /NDF: 19.3/16

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 47.6/33

All: 0.014 $\pm$ 0.007 χ^2 /NDF: 82.1/69

- sign 0.009 $\pm$ 0.009 χ^2 /NDF: 33.9/35

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.468 $\pm$ 0.010 χ^2/NDF : 1171203.3/15

Left Out: 47.138 $\pm$ 0.009 χ^2/NDF : 1279158.4/17

Right Out: 32.285 $\pm$ 0.009 χ^2/NDF : 1672637.0/18

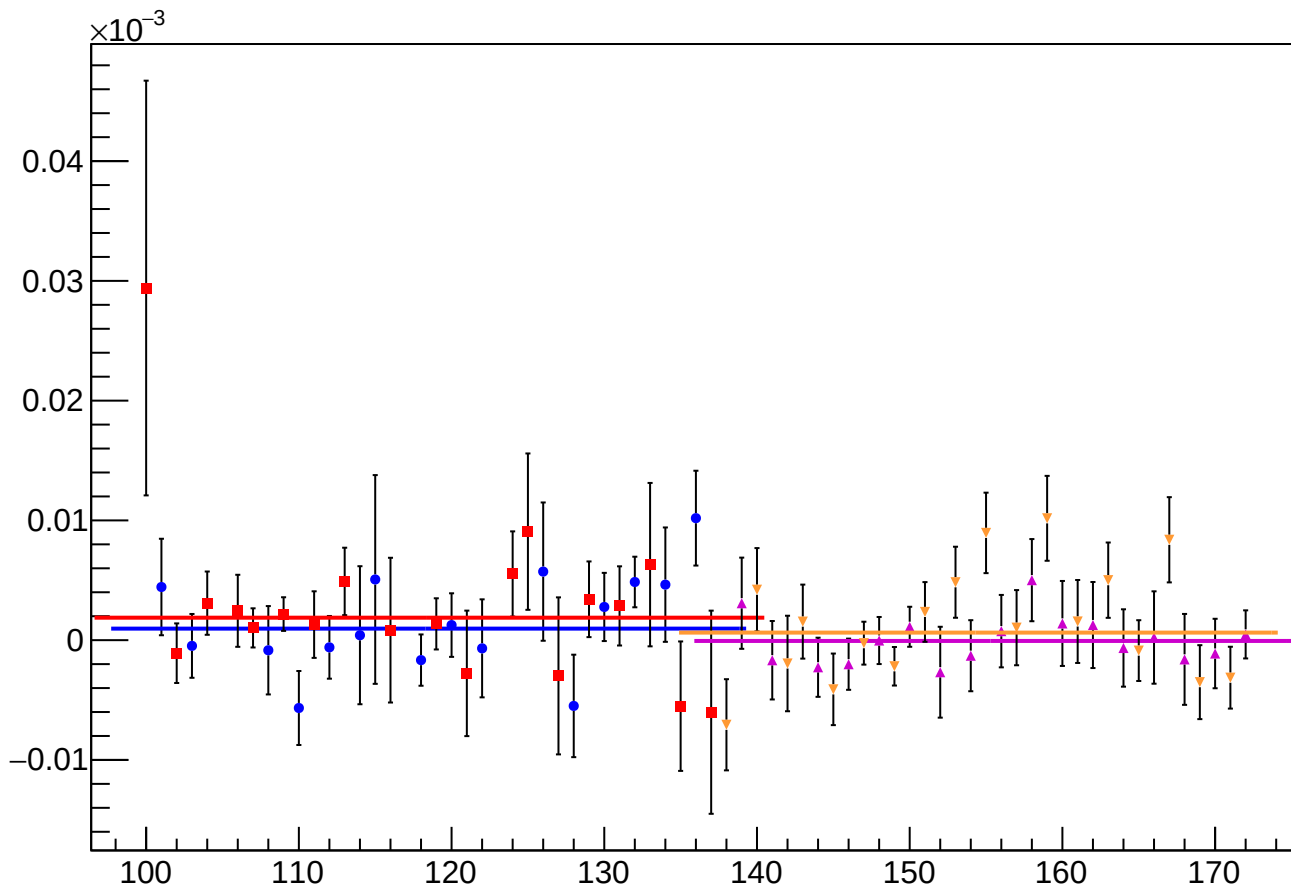
Left In: 46.150 $\pm$ 0.009 χ^2/NDF : 750579.9/16

+ sign 41.141 $\pm$ 0.007 χ^2/NDF : 3326629.1/33

All: 40.195 $\pm$ 0.005 χ^2/NDF : 6919848.2/69

- sign 39.316 $\pm$ 0.007 χ^2/NDF : 3555436.7/35

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/18

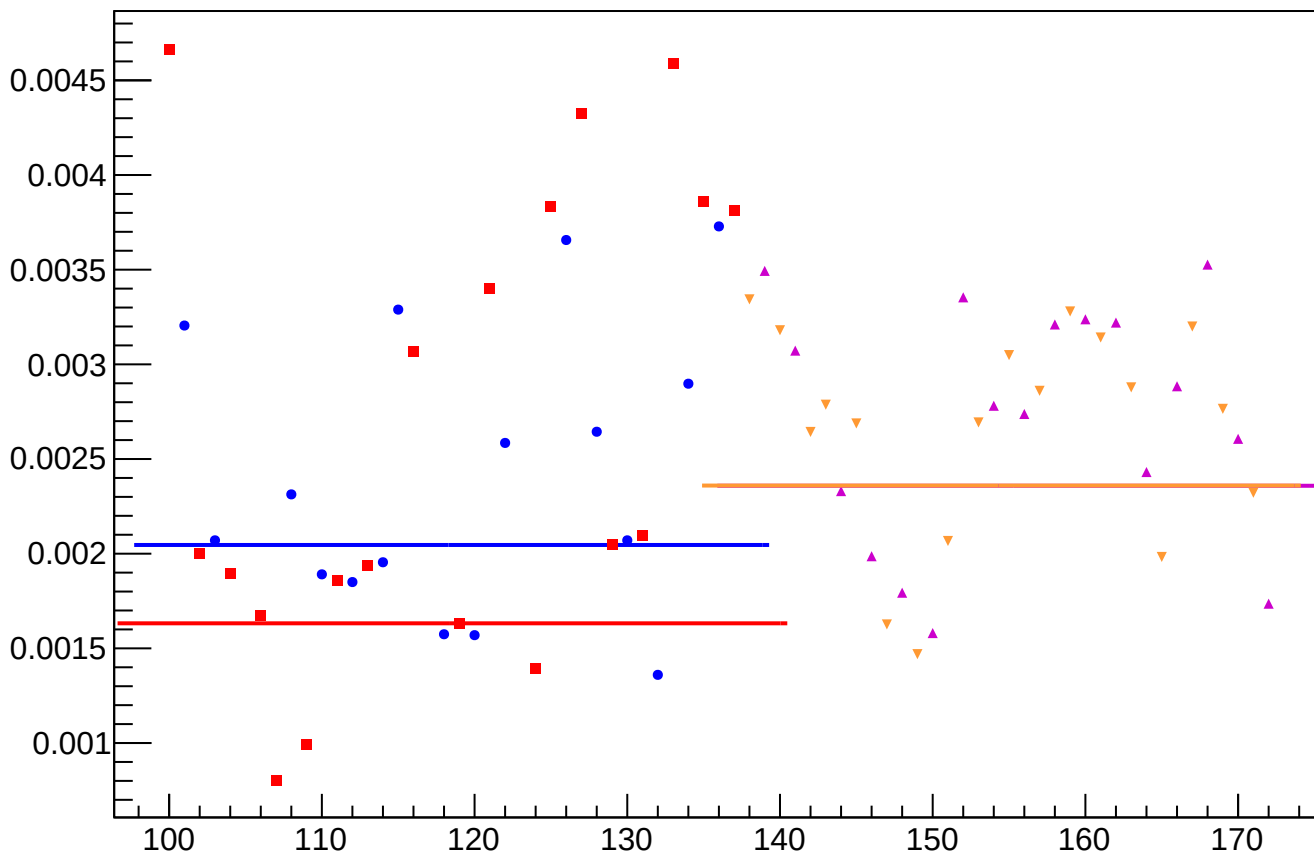
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:6.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/35

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF : 1935082.6/17

Right Out: 0.002+/-0.000 χ^2/NDF : 2928991.9/18

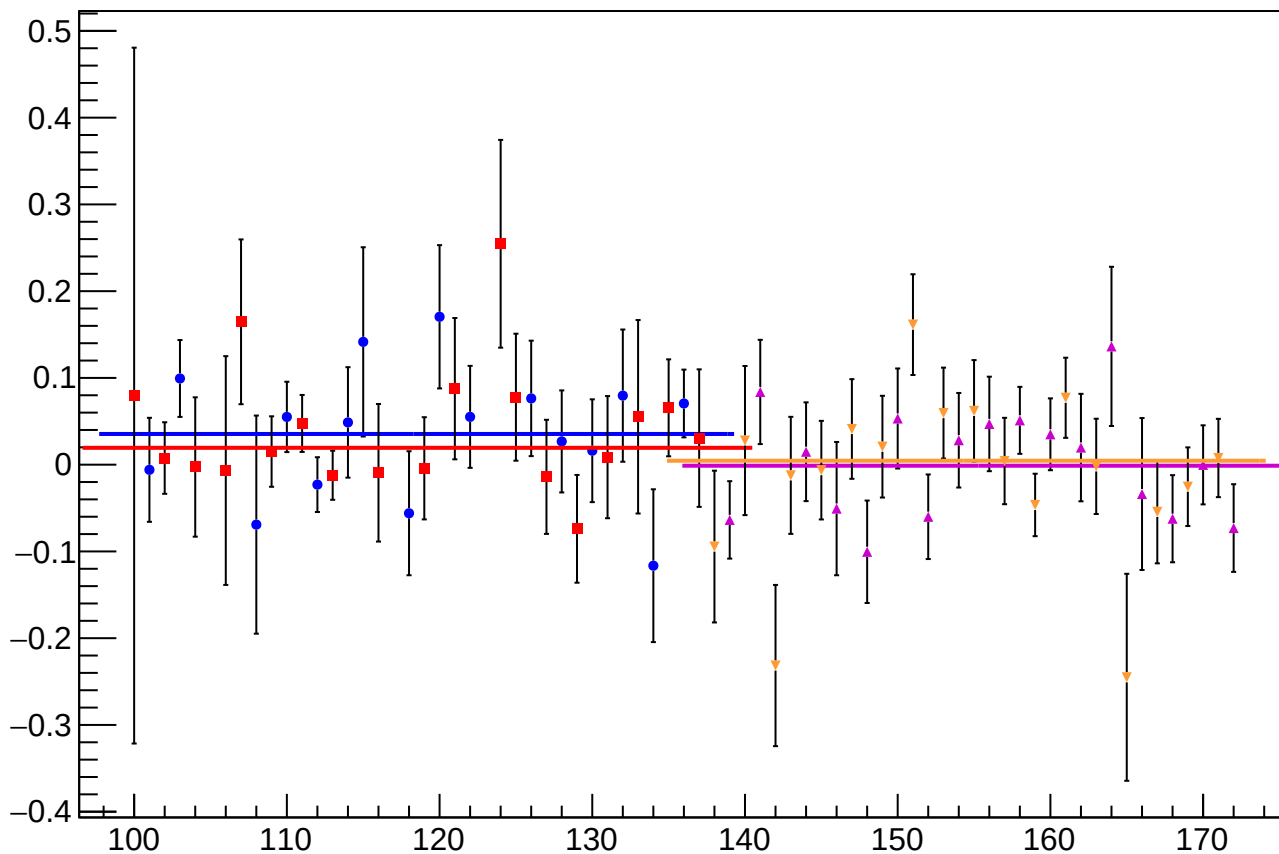
Left In: 0.002+/-0.000 χ^2/NDF : 1937798.4/16

+ sign 0.002+/-0.000 χ^2/NDF : 3378023.3/33

All: 0.002+/-0.000 χ^2/NDF : 9667982.3/69

- sign 0.002+/-0.000 χ^2/NDF : 6059541.6/35

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: 0.005 $\pm$ 0.013 χ^2 /NDF: 28.0/17

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

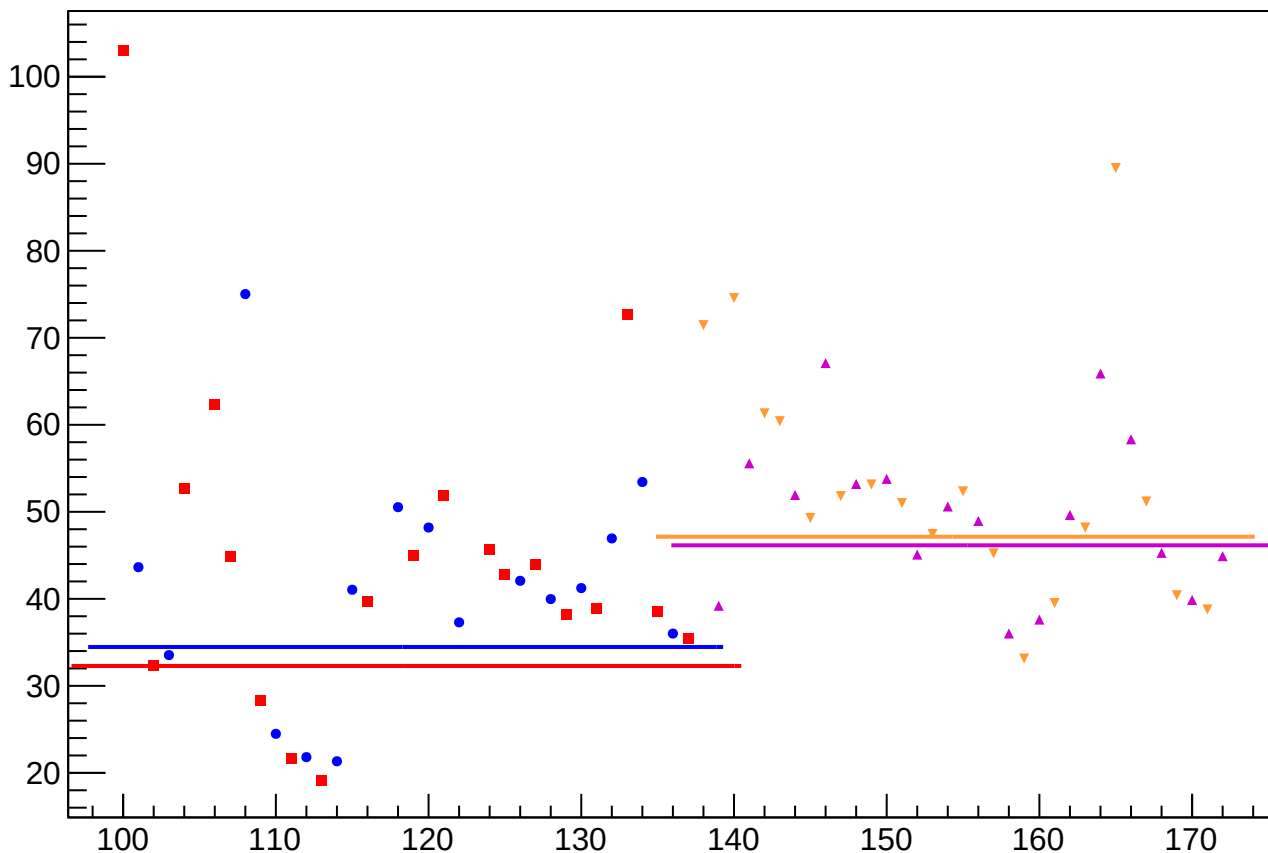
Left In: -0.001 $\pm$ 0.013 χ^2 /NDF: 19.3/16

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 47.6/33

All: 0.014 $\pm$ 0.007 χ^2 /NDF: 82.1/69

- sign 0.009 $\pm$ 0.009 χ^2 /NDF: 33.9/35

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.469 $\pm$ 0.010 χ^2 /NDF: 1171158.4/15

Left Out: 47.139 $\pm$ 0.009 χ^2 /NDF: 1279170.5/17

Right Out: 32.285 $\pm$ 0.009 χ^2 /NDF: 1672606.5/18

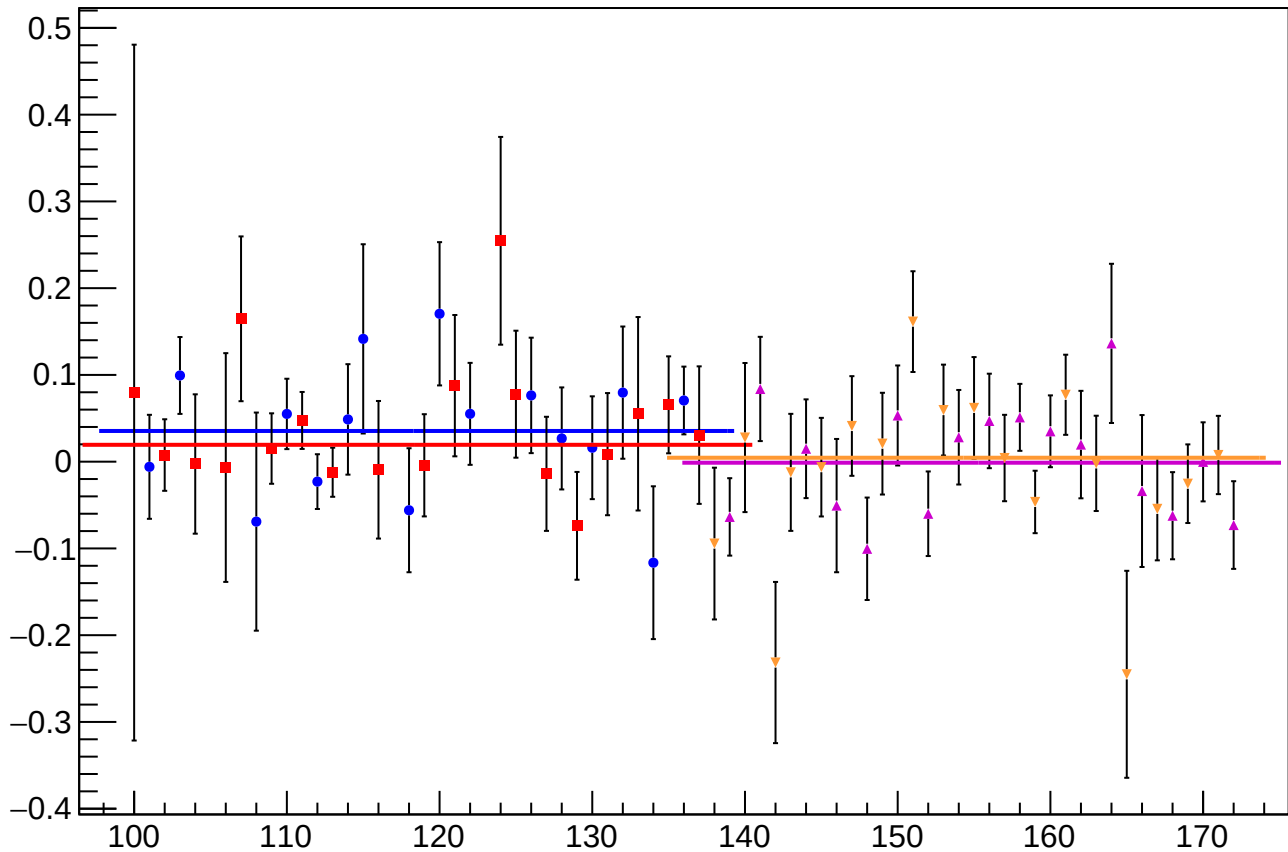
Left In: 46.151 $\pm$ 0.009 χ^2 /NDF: 750614.3/16

+ sign 41.141 $\pm$ 0.007 χ^2 /NDF: 3326613.6/33

All: 40.195 $\pm$ 0.005 χ^2 /NDF: 6919838.7/69

- sign 39.317 $\pm$ 0.007 χ^2 /NDF: 3555443.0/35

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035 $\pm$ 0.014 χ^2 /NDF: 16.9/15

Left Out: 0.005 $\pm$ 0.013 χ^2 /NDF: 28.0/17

Right Out: 0.019 $\pm$ 0.013 χ^2 /NDF: 13.4/18

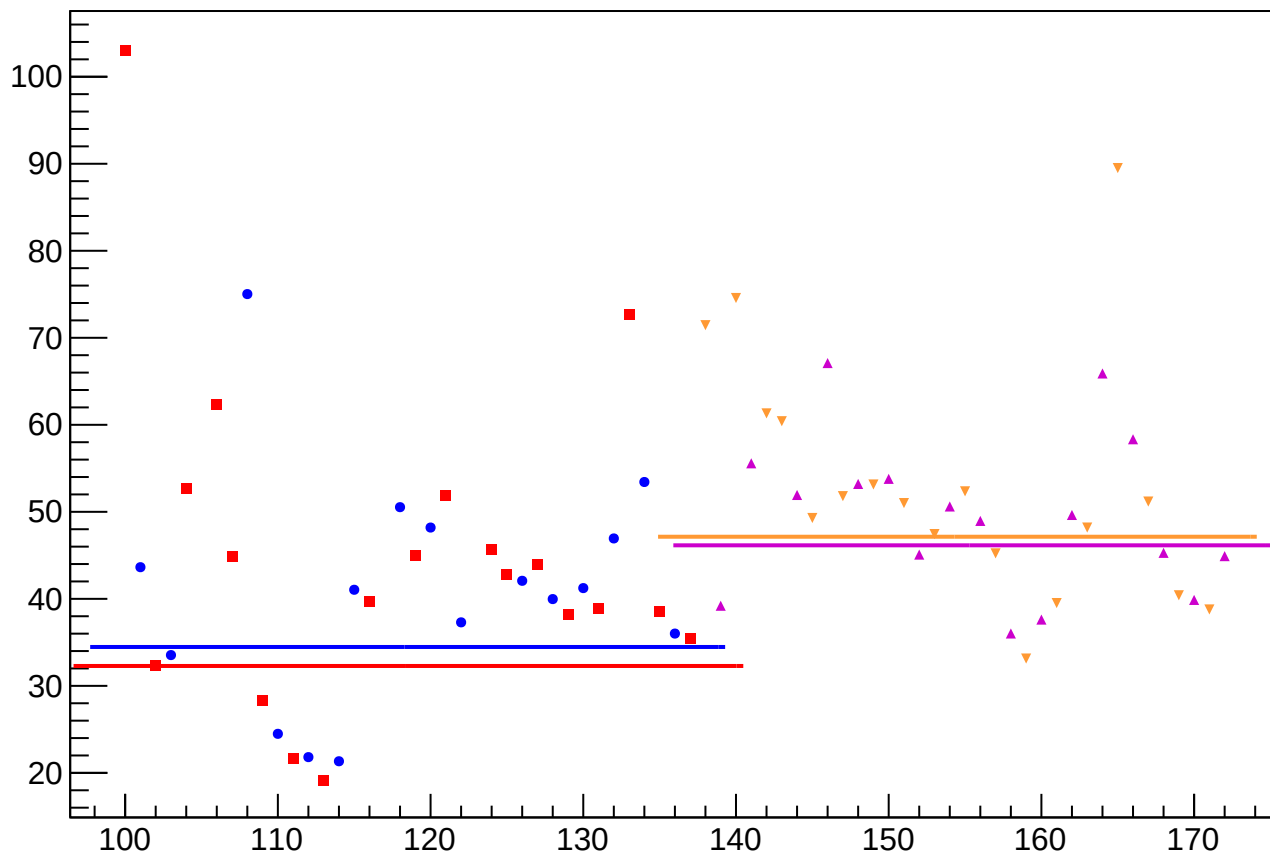
Left In: -0.001 $\pm$ 0.013 χ^2 /NDF: 19.3/16

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 47.6/33

All: 0.014 $\pm$ 0.007 χ^2 /NDF: 82.1/69

- sign 0.009 $\pm$ 0.009 χ^2 /NDF: 33.9/35

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

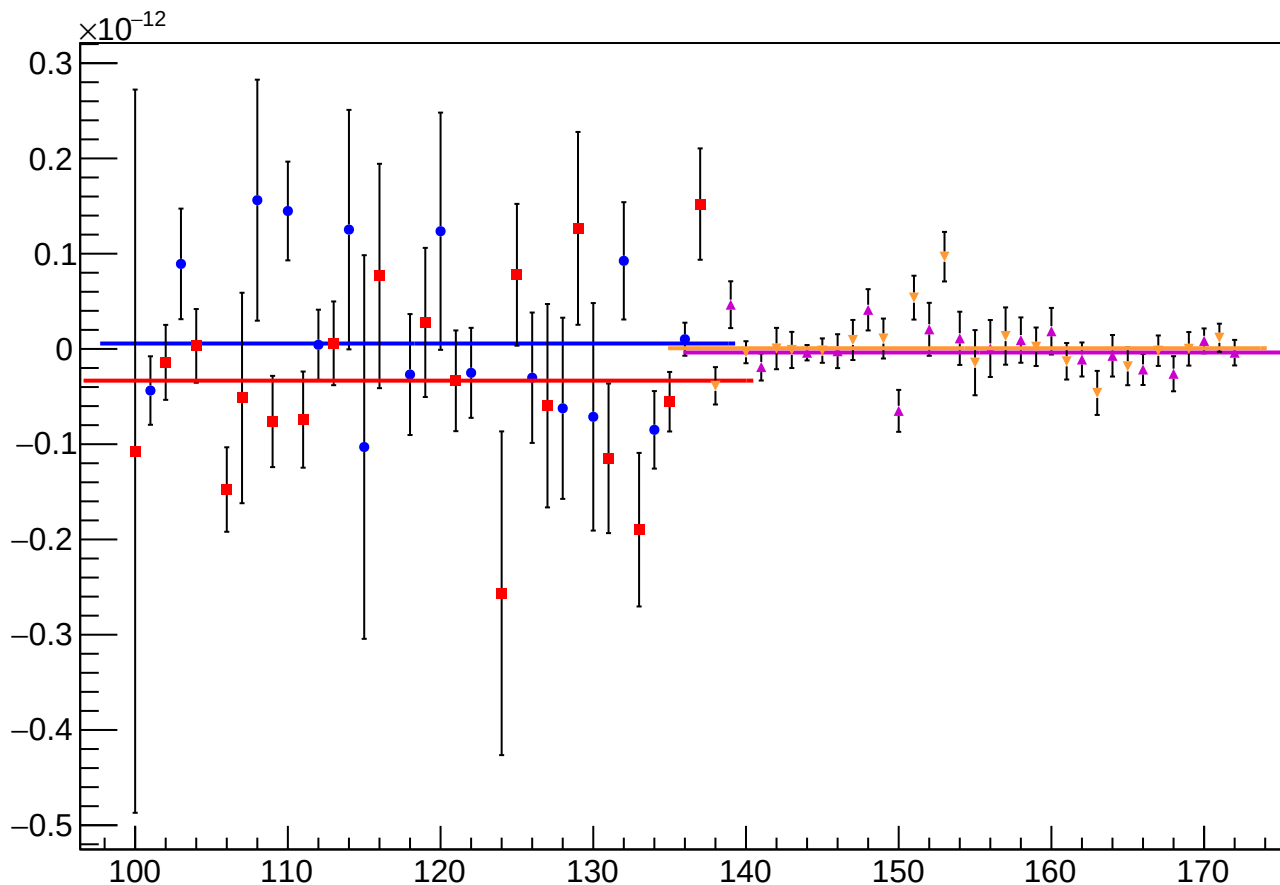
Left In: 46.151 ± 0.009 χ^2/NDF : 750614.3/16

+ sign 41.141 ± 0.007 χ^2/NDF : 3326613.6/33

All: 40.195 ± 0.005 χ^2/NDF : 6919838.7/69

- sign 39.317 ± 0.007 χ^2/NDF : 3555443.0/35

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 23.6/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 30.1/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.5/18

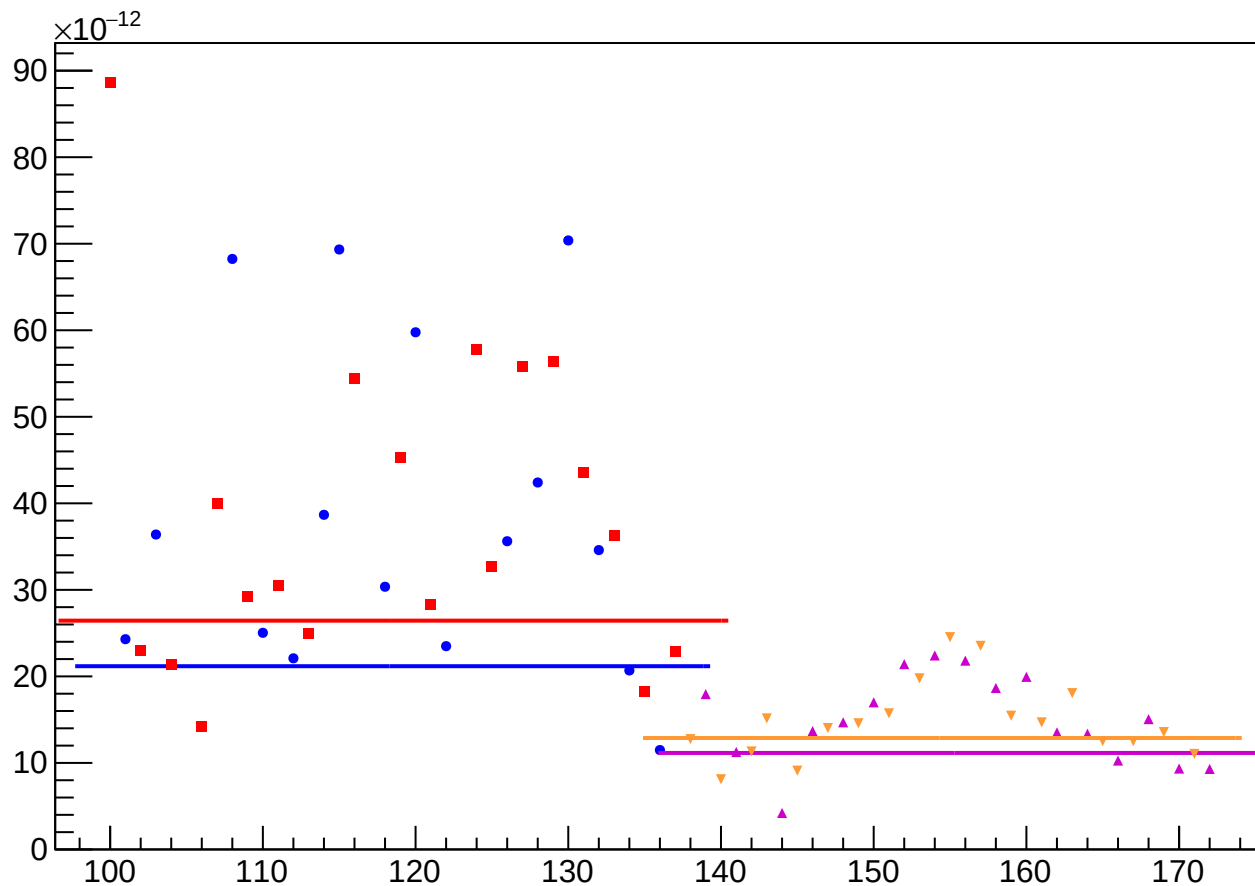
Left In: -0.000 ± 0.000 χ^2/NDF : 23.3/16

+ sign 0.000 ± 0.000 χ^2/NDF : 53.9/33

All: -0.000 ± 0.000 χ^2/NDF : 117.2/69

- sign -0.000 ± 0.000 χ^2/NDF : 61.5/35

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1413364.3/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1217987.6/18

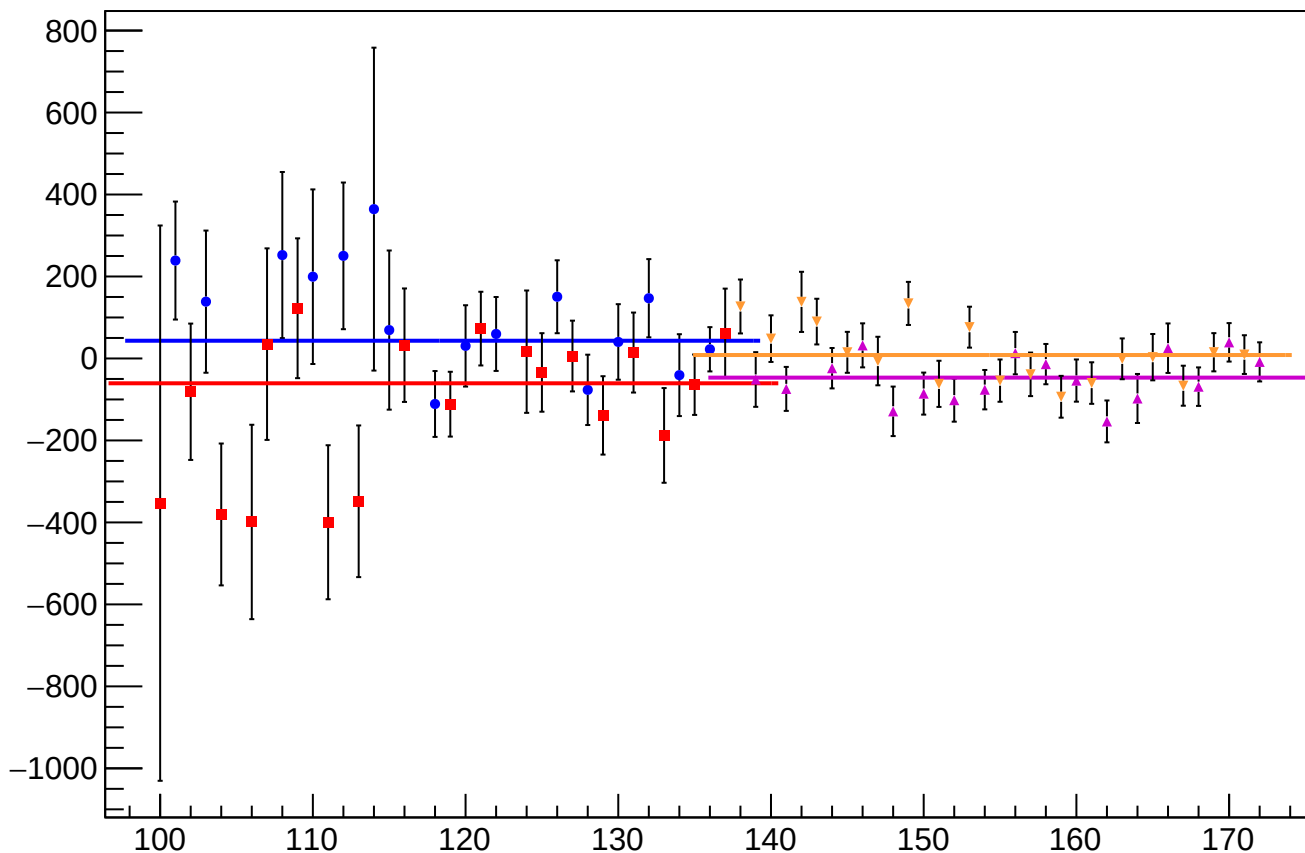
Left In: 0.000+/-0.000 χ^2/NDF : 3403825.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 4416391.7/33

All: 0.000+/-0.000 χ^2/NDF : 11669150.8/69

- sign 0.000+/-0.000 χ^2/NDF : 7126233.2/35

reg_asym_sam_1526_avg_mean vs Slug



Right In: 43.247 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 8.385 $\pm$ 12.538 χ^2 /NDF: 28.7/17

Right Out: -60.582 $\pm$ 26.894 χ^2 /NDF: 20.4/18

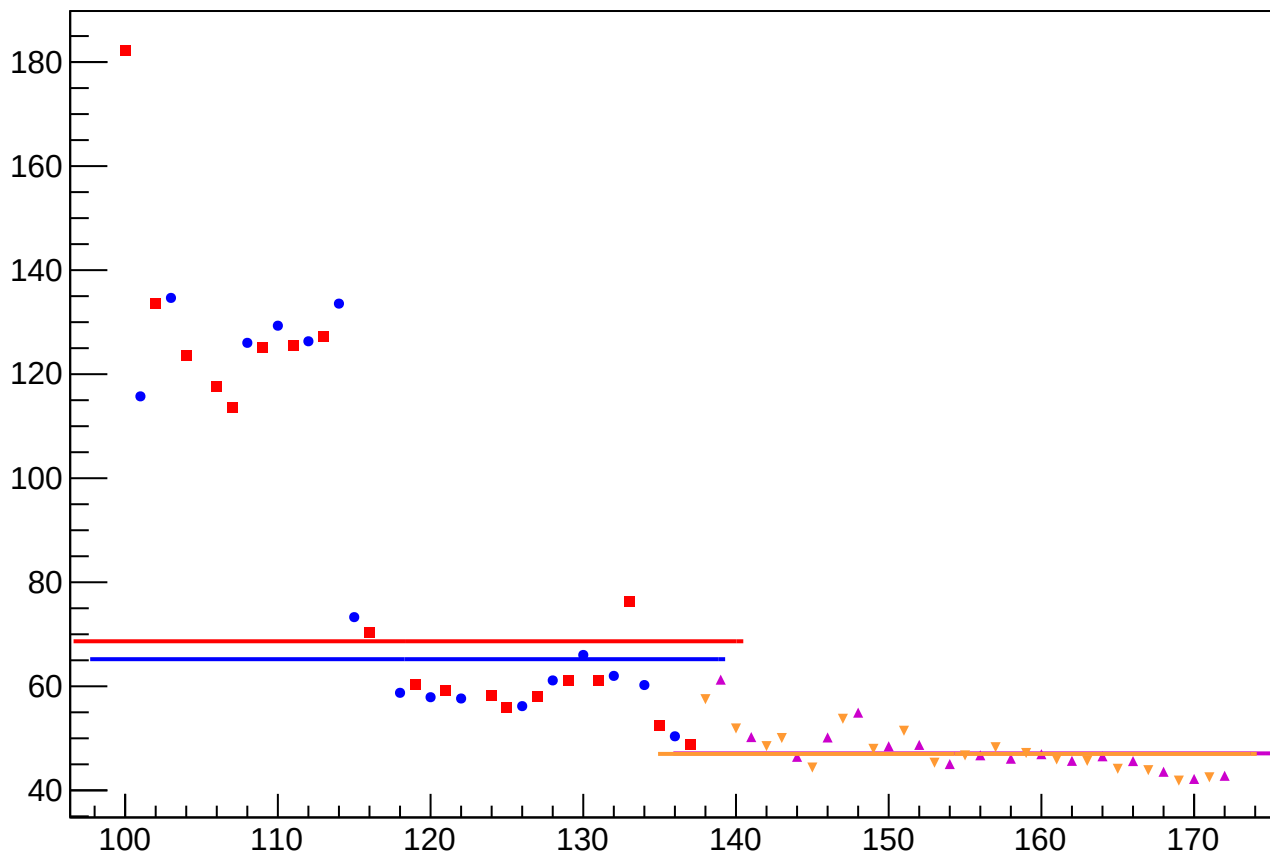
Left In: -46.763 $\pm$ 12.670 χ^2 /NDF: 19.1/16

+ sign 15.053 $\pm$ 11.275 χ^2 /NDF: 45.1/33

All: -16.582 $\pm$ 8.038 χ^2 /NDF: 100.9/69

- sign -49.273 $\pm$ 11.462 χ^2 /NDF: 39.7/35

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

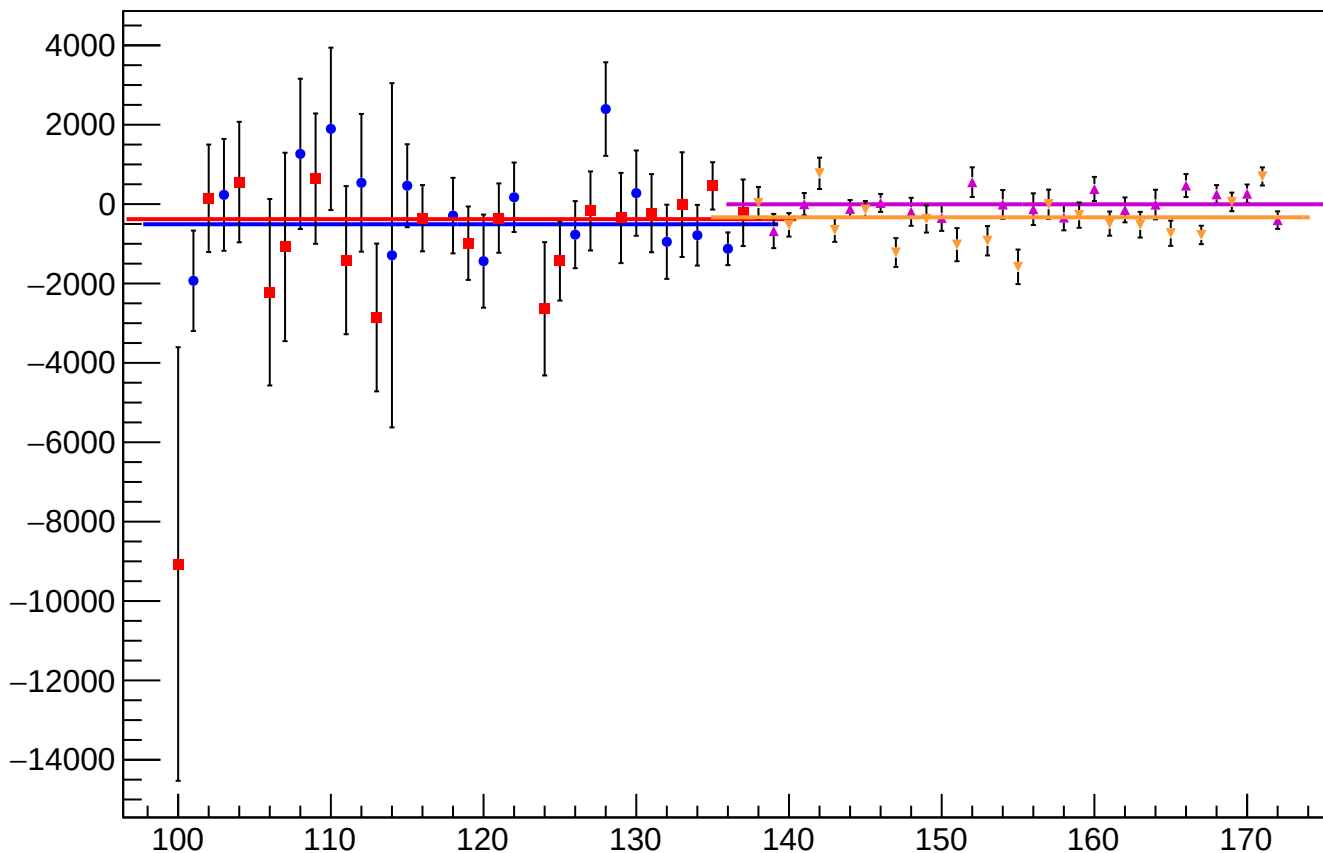
Left In: 47.105+/-0.009 χ^2/NDF : 198034.8/16

+ sign 50.489+/-0.008 χ^2/NDF : 2432324.8/33

All: 50.750+/-0.006 χ^2/NDF : 5324415.3/69

- sign 51.020+/-0.008 χ^2/NDF : 2889910.6/35

asym_sam_1526_avg_reg_correction_mean vs Slug



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

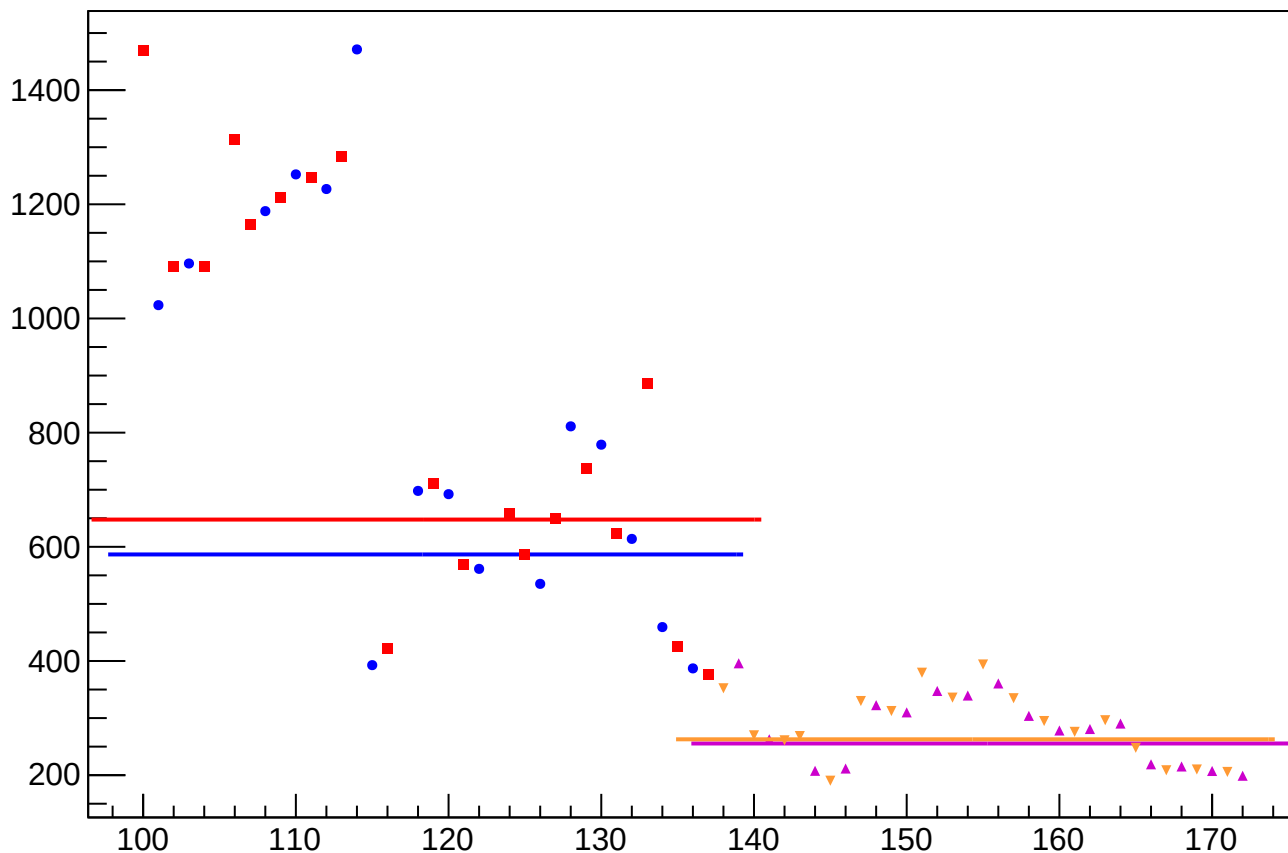
Left In: -4.962 ± 70.128 χ^2/NDF : 17.7/16

+ sign -347.230 ± 68.523 χ^2/NDF : 76.5/33

All: -187.065 ± 48.139 χ^2/NDF : 118.7/69

- sign -30.987 ± 67.643 χ^2/NDF : 31.4/35

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053133.2/15

Left Out: 262.815 $\pm$ 0.051 χ^2 /NDF:1320839.6/17

Right Out: 647.736 $\pm$ 0.181 χ^2 /NDF: 2105638.0/18

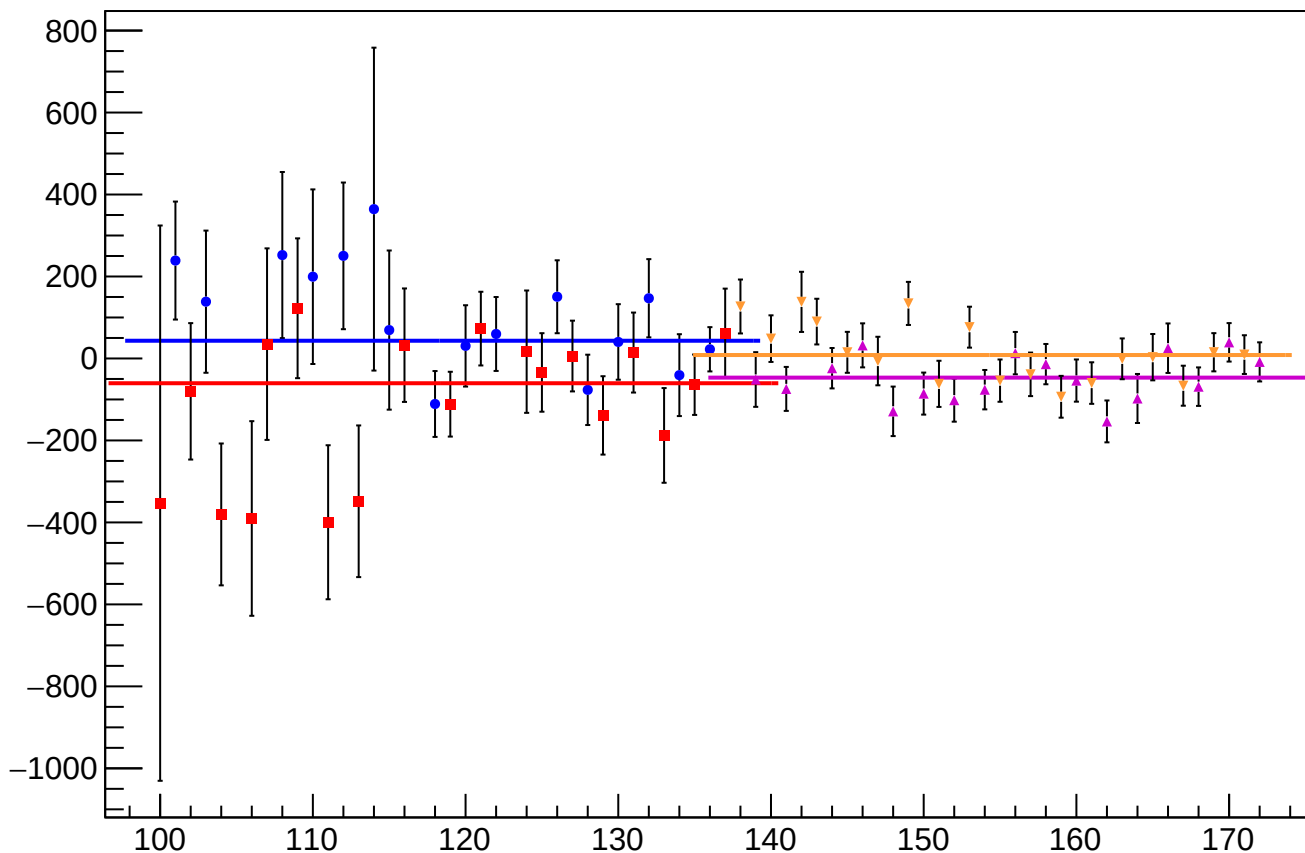
Left In: 255.497 $\pm$ 0.050 χ^2 /NDF:1270651.2/16

+ sign 289.898 $\pm$ 0.048 χ^2 /NDF: 6797236.2/33

All: 286.301 $\pm$ 0.034 χ^2 /NDF: 14538949.8/69

- sign 282.796 $\pm$ 0.048 χ^2 /NDF: 7730832.1/35

cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 8.386 $\pm$ 12.538 χ^2 /NDF: 28.7/17

Right Out: -60.432 $\pm$ 26.895 χ^2 /NDF: 20.3/18

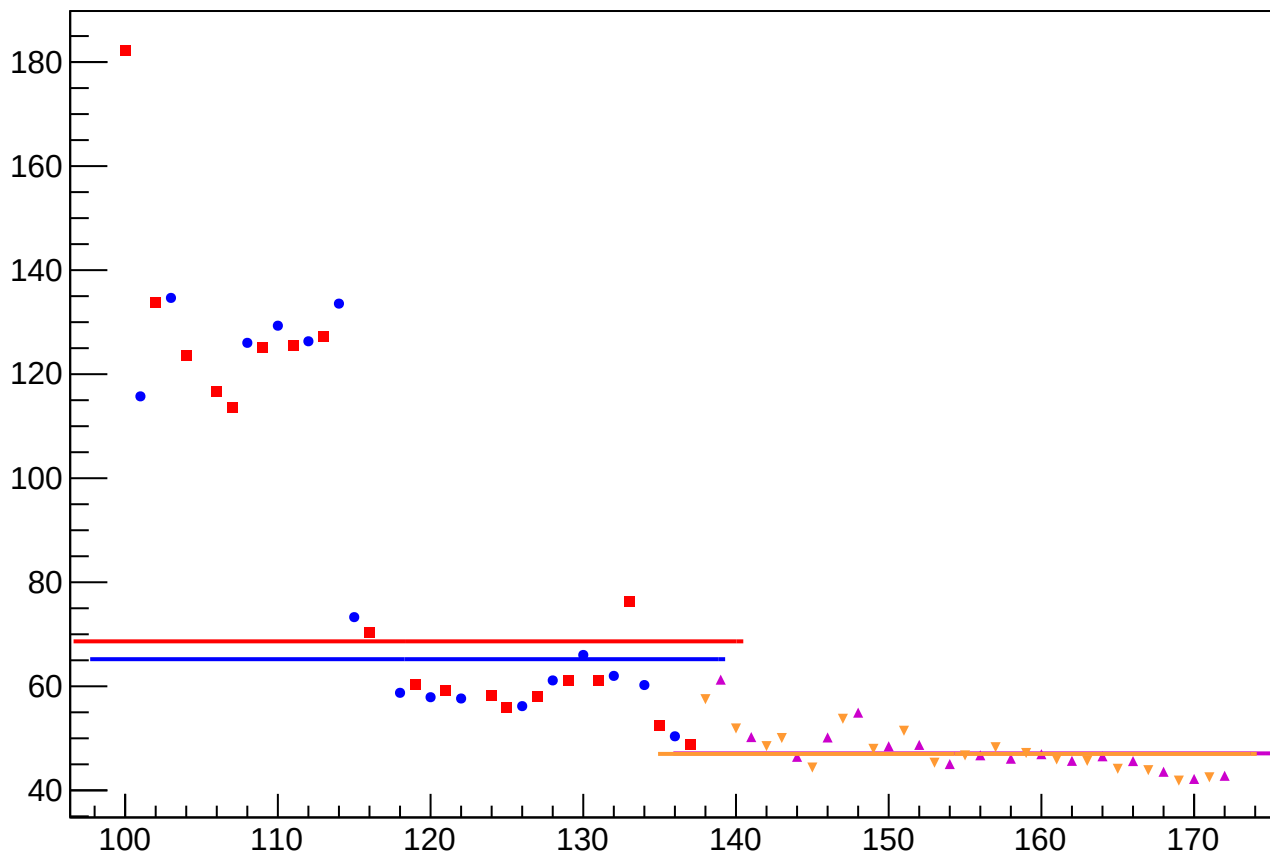
Left In: -46.762 $\pm$ 12.670 χ^2 /NDF: 19.1/16

+ sign 15.053 $\pm$ 11.275 χ^2 /NDF: 45.1/33

All: -16.569 $\pm$ 8.038 χ^2 /NDF: 100.7/69

- sign -49.245 $\pm$ 11.462 χ^2 /NDF: 39.6/35

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.212 $\pm$ 0.018 χ^2 /NDF: 1446506.9/15

Left Out: 47.006 $\pm$ 0.009 χ^2 /NDF: 179186.4/17

Right Out: 68.642 $\pm$ 0.019 χ^2 /NDF: 1637558.1/18

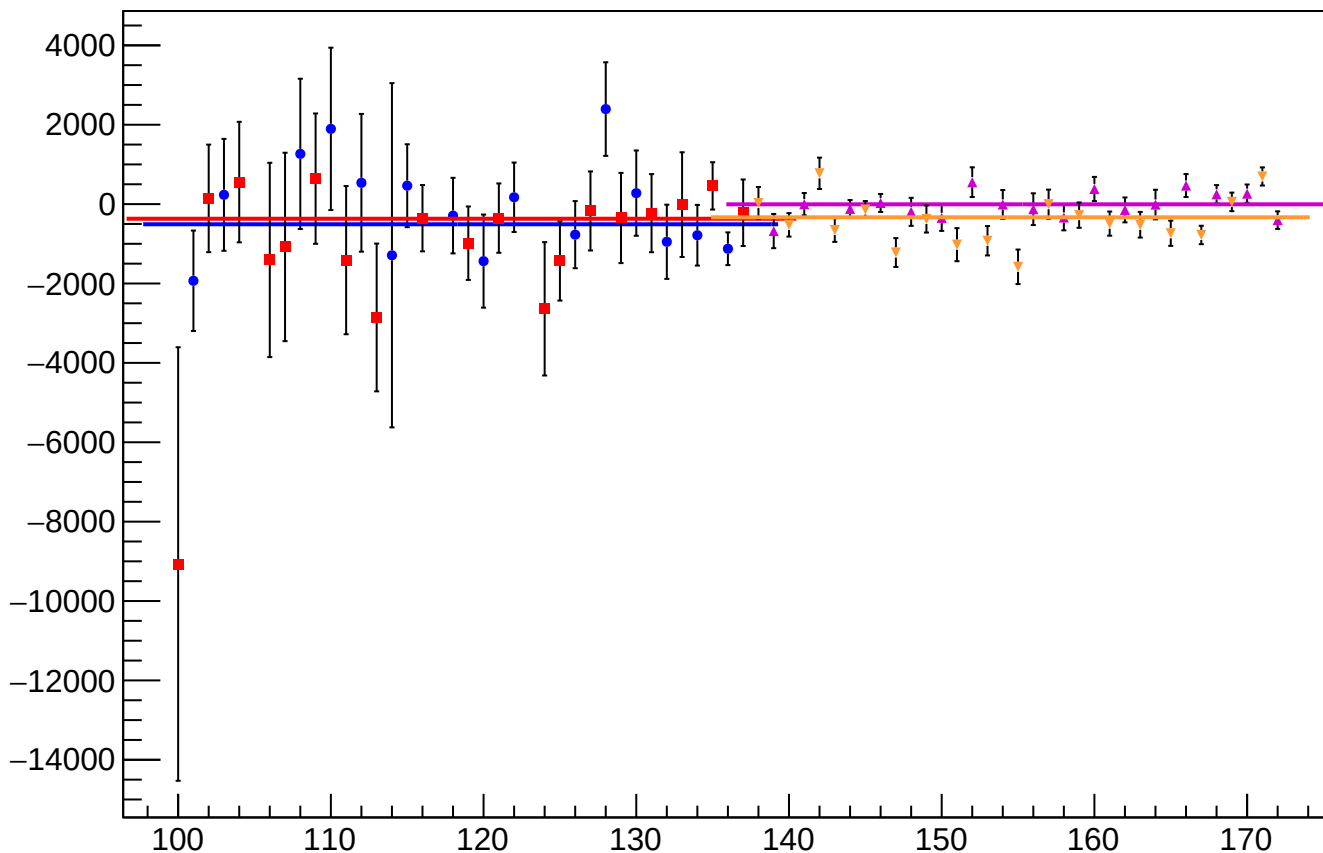
Left In: 47.105 $\pm$ 0.009 χ^2 /NDF: 198034.8/16

+ sign 50.489 $\pm$ 0.008 χ^2 /NDF: 2432326.9/33

All: 50.749 $\pm$ 0.006 χ^2 /NDF: 5319596.6/69

- sign 51.017 $\pm$ 0.008 χ^2 /NDF: 2885112.8/35

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

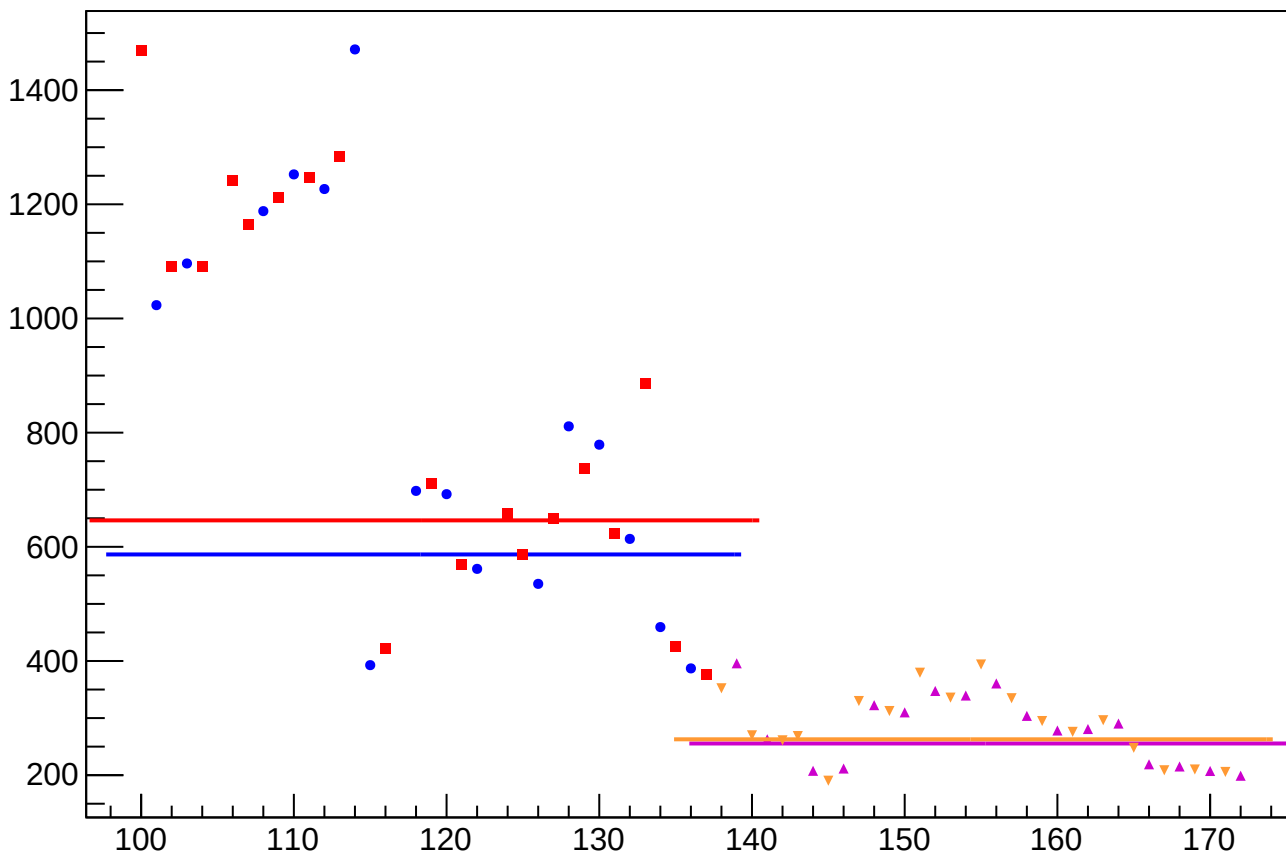
Left In: -4.959 ± 70.128 χ^2/NDF : 17.7/16

+ sign -347.226 ± 68.523 χ^2/NDF : 76.5/33

All: -186.684 ± 48.140 χ^2/NDF : 118.1/69

- sign -30.226 ± 67.646 χ^2/NDF : 30.9/35

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053169.7/15

Left Out: 262.815 $\pm$ 0.051 χ^2 /NDF:1320846.6/17

Right Out: 646.328 $\pm$ 0.181 χ^2 /NDF: 2063185.3/18

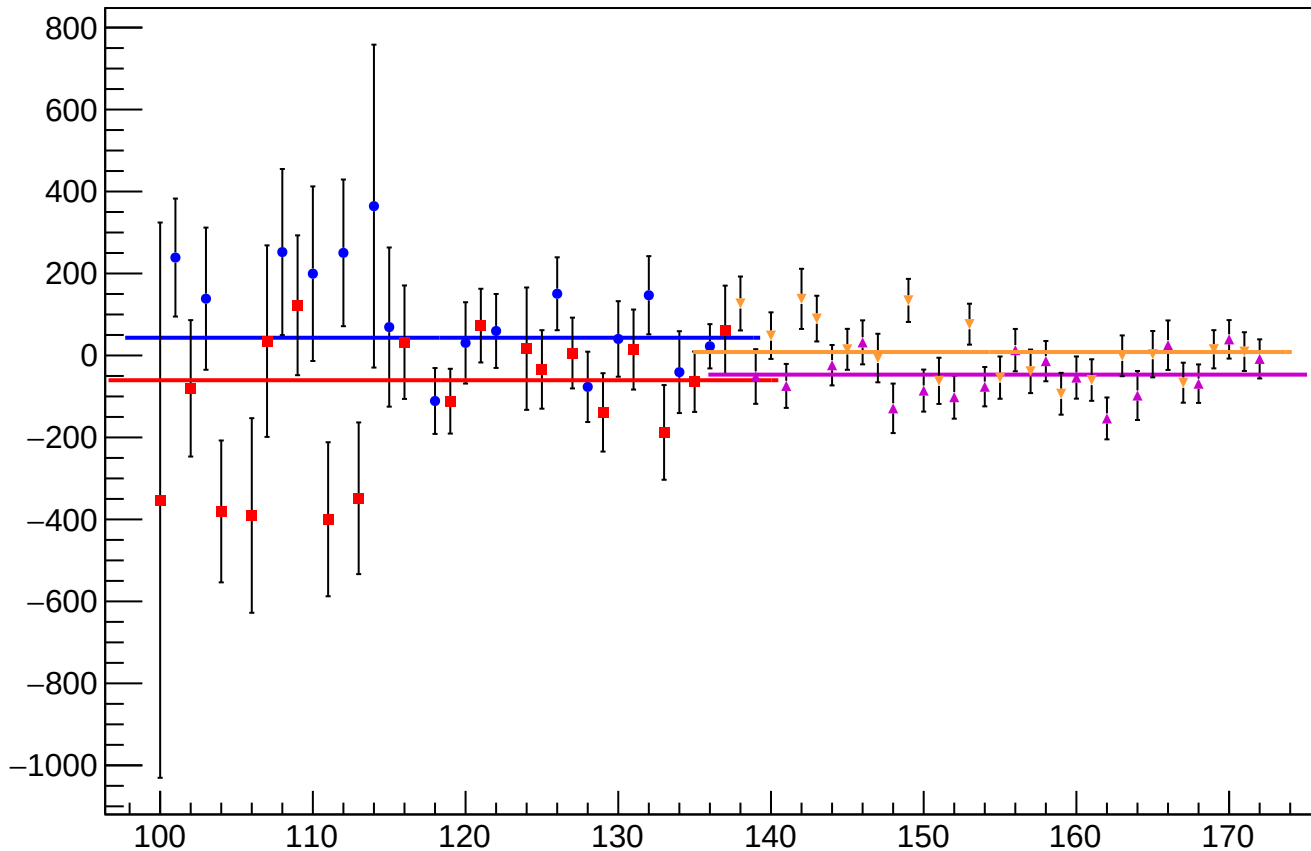
Left In: 255.497 $\pm$ 0.050 χ^2 /NDF:1270646.6/16

+ sign 289.898 $\pm$ 0.048 χ^2 /NDF: 6797269.3/33

All: 286.239 $\pm$ 0.034 χ^2 /NDF: 14461715.2/69

- sign 282.673 $\pm$ 0.048 χ^2 /NDF: 7653185.7/35

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 43.239 $\pm$ 25.781 χ^2 /NDF: 15.0/15

Left Out: 8.386 $\pm$ 12.538 χ^2 /NDF: 28.7/17

Right Out: -60.432 $\pm$ 26.895 χ^2 /NDF: 20.3/18

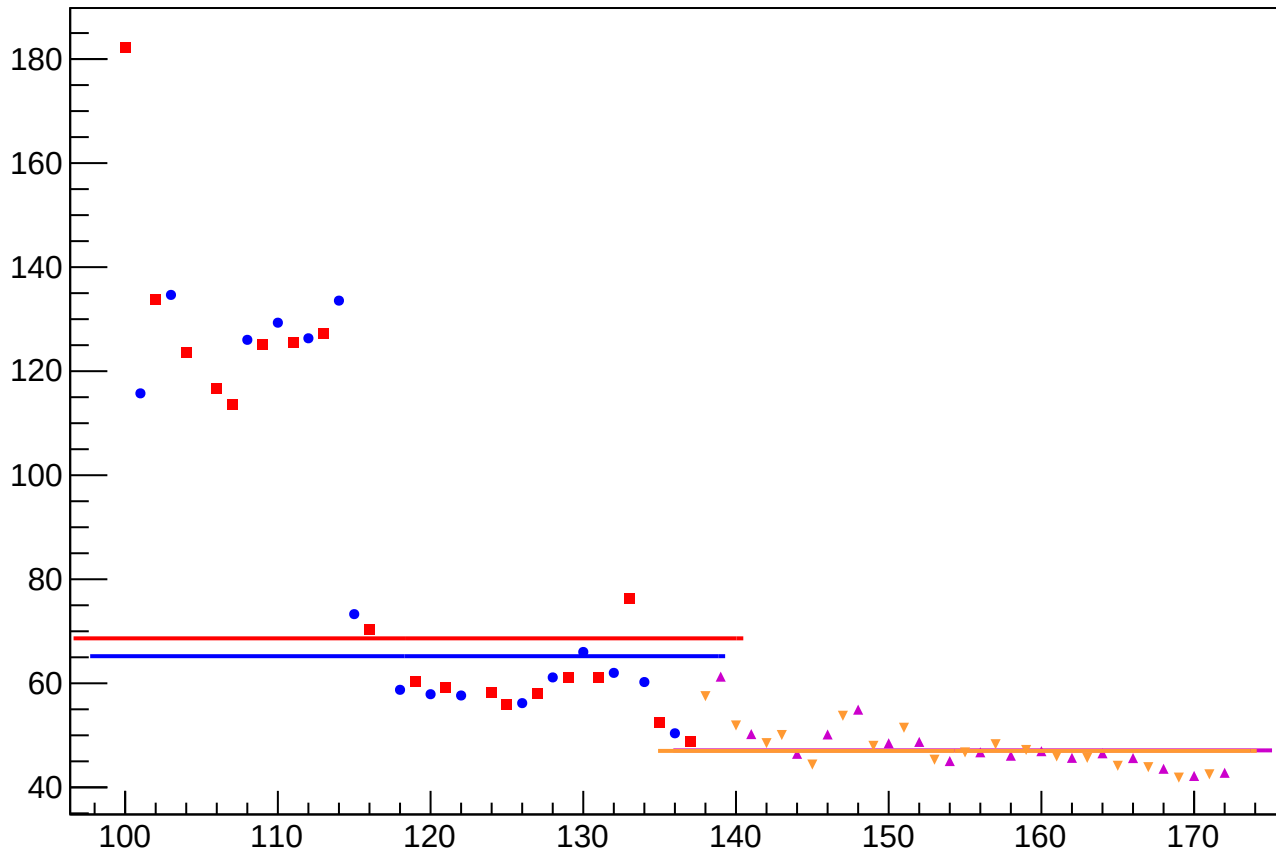
Left In: -46.762 $\pm$ 12.670 χ^2 /NDF: 19.1/16

+ sign 15.053 $\pm$ 11.275 χ^2 /NDF: 45.1/33

All: -16.569 $\pm$ 8.038 χ^2 /NDF: 100.7/69

- sign -49.245 $\pm$ 11.462 χ^2 /NDF: 39.6/35

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

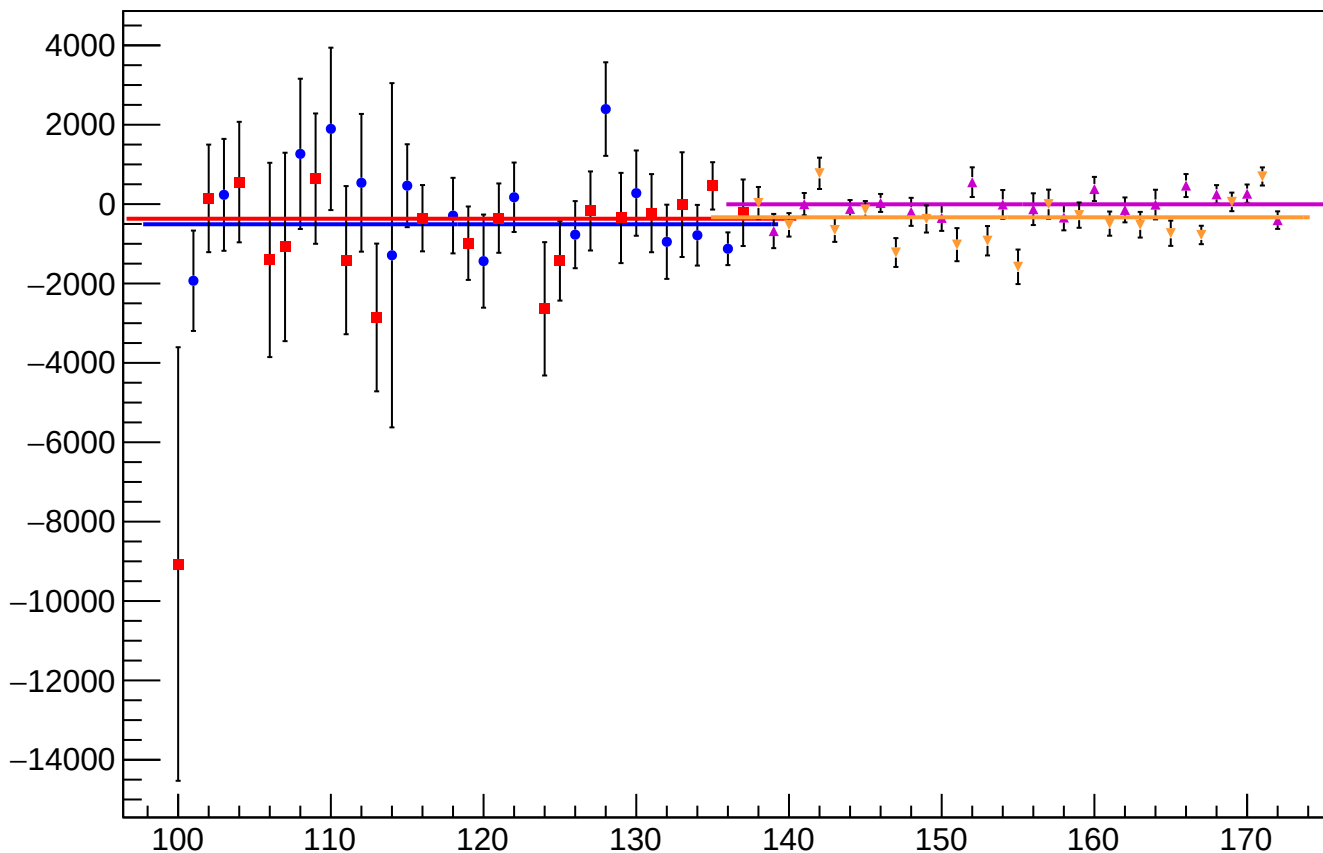
Left In: 47.105+/-0.009 χ^2/NDF : 198034.8/16

+ sign 50.489+/-0.008 χ^2/NDF : 2432326.9/33

All: 50.749+/-0.006 χ^2/NDF : 5319596.6/69

- sign 51.017+/-0.008 χ^2/NDF : 2885112.8/35

asym_sam_1526_avg_eigen_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

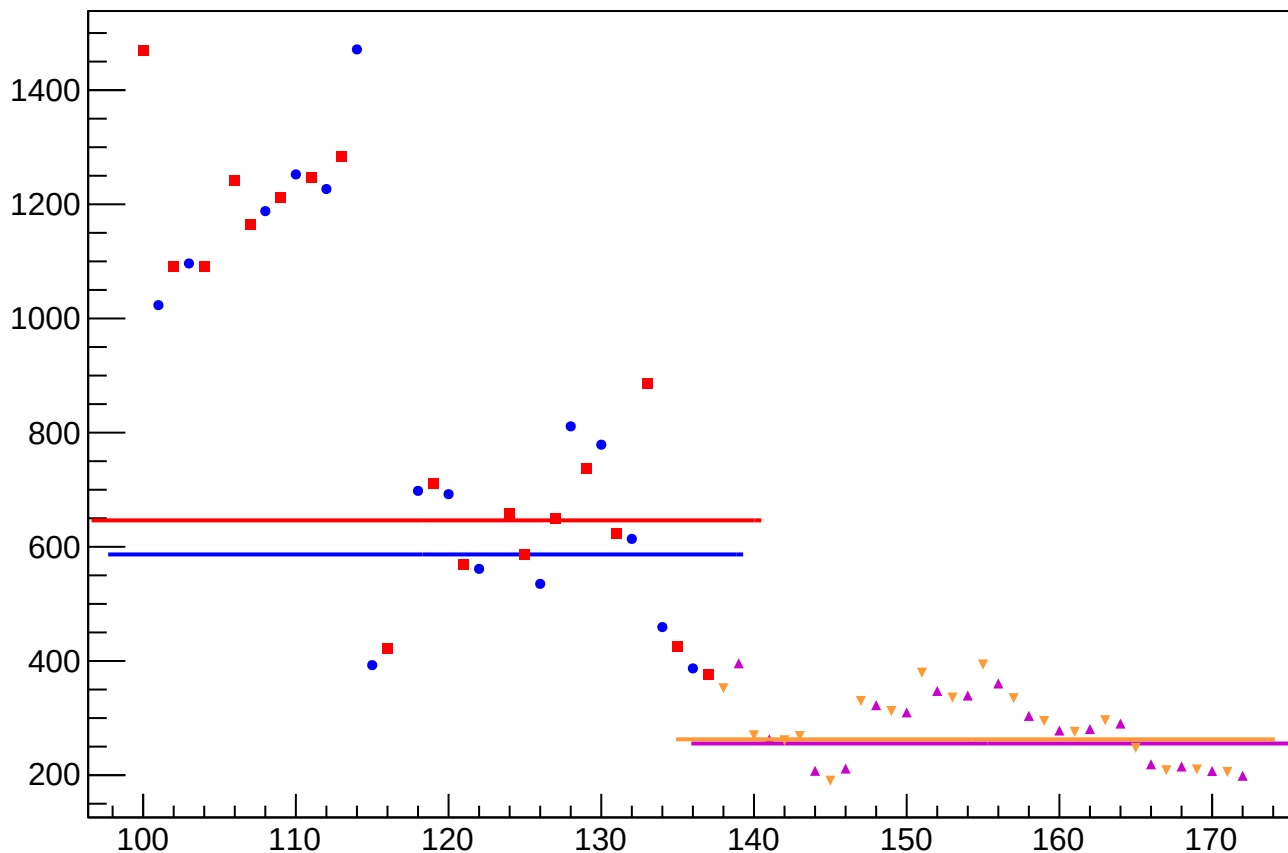
Left In: -4.959 ± 70.128 χ^2/NDF : 17.7/16

+ sign -347.226 ± 68.523 χ^2/NDF : 76.5/33

All: -186.684 ± 48.140 χ^2/NDF : 118.1/69

- sign -30.226 ± 67.646 χ^2/NDF : 30.9/35

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 586.645 $\pm$ 0.168 χ^2 /NDF: 2053169.7/15

Left Out: 262.815 $\pm$ 0.051 χ^2 /NDF:1320846.6/17

Right Out: 646.328 $\pm$ 0.181 χ^2 /NDF: 2063185.3/18

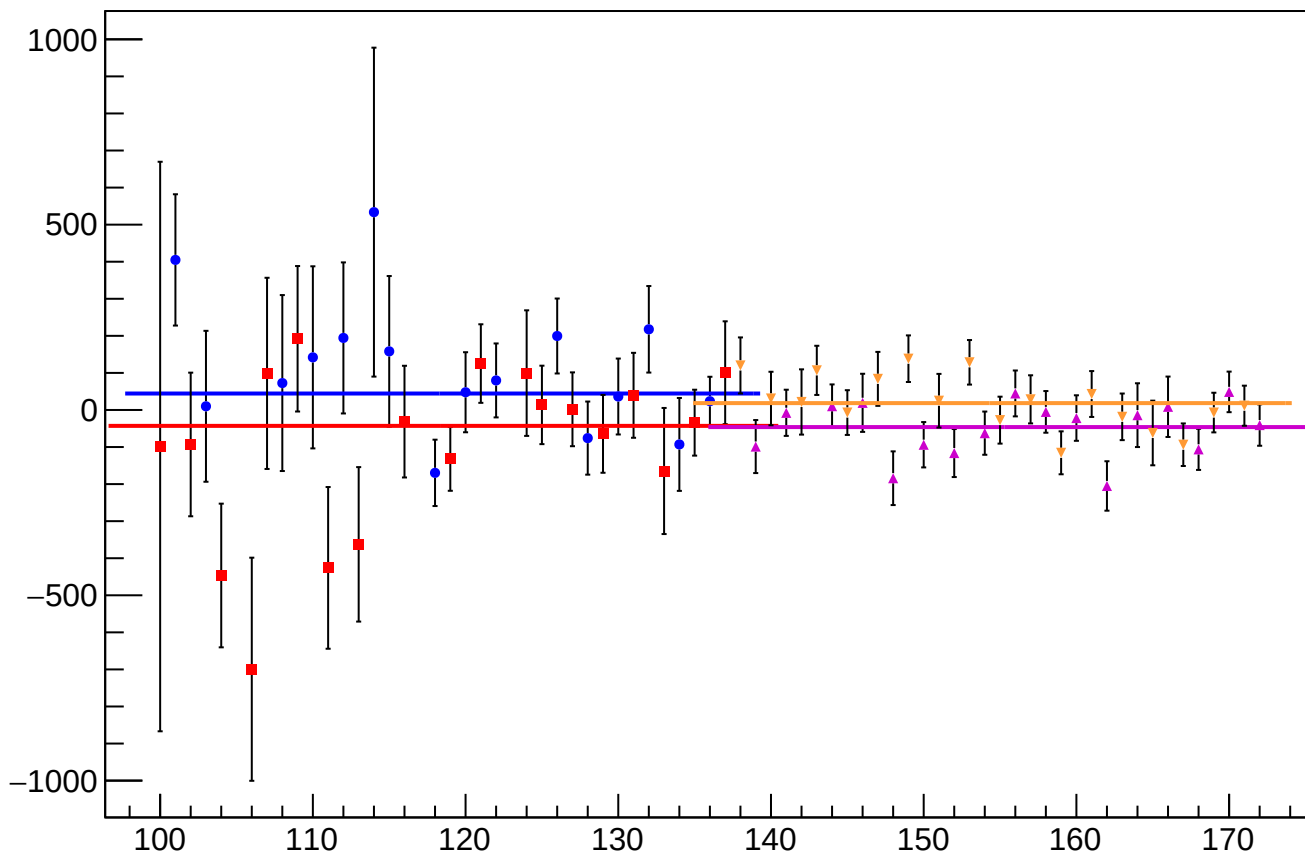
Left In: 255.497 $\pm$ 0.050 χ^2 /NDF:1270646.6/16

+ sign 289.898 $\pm$ 0.048 χ^2 /NDF: 6797269.3/33

All: 286.239 $\pm$ 0.034 χ^2 /NDF: 14461715.2/69

- sign 282.673 $\pm$ 0.048 χ^2 /NDF: 7653185.7/35

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

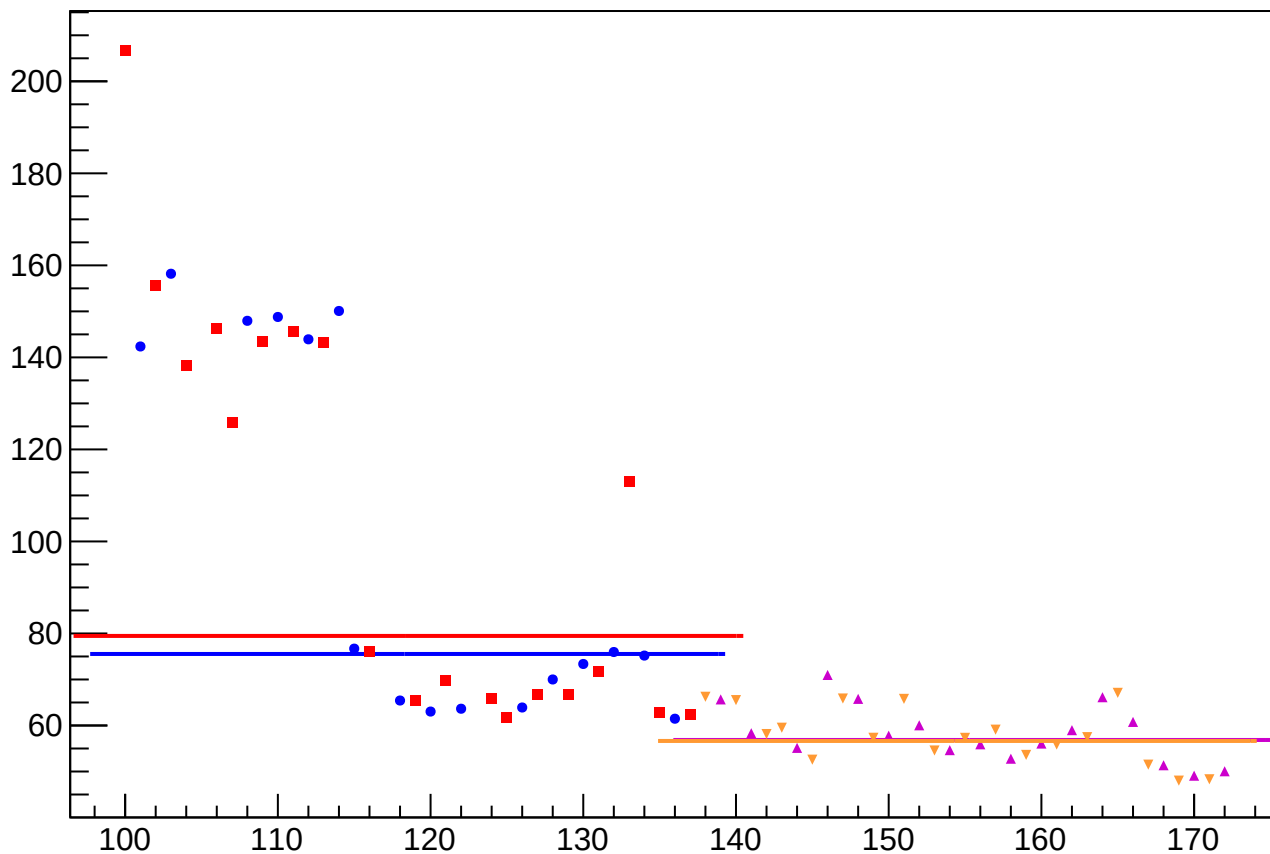
Left In: -46.151 ± 15.377 χ^2/NDF : 21.3/16

+ sign 23.827 ± 13.545 χ^2/NDF : 43.1/33

All: -10.205 ± 9.666 χ^2/NDF : 100.6/69

- sign -45.517 ± 13.797 χ^2/NDF : 44.6/35

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

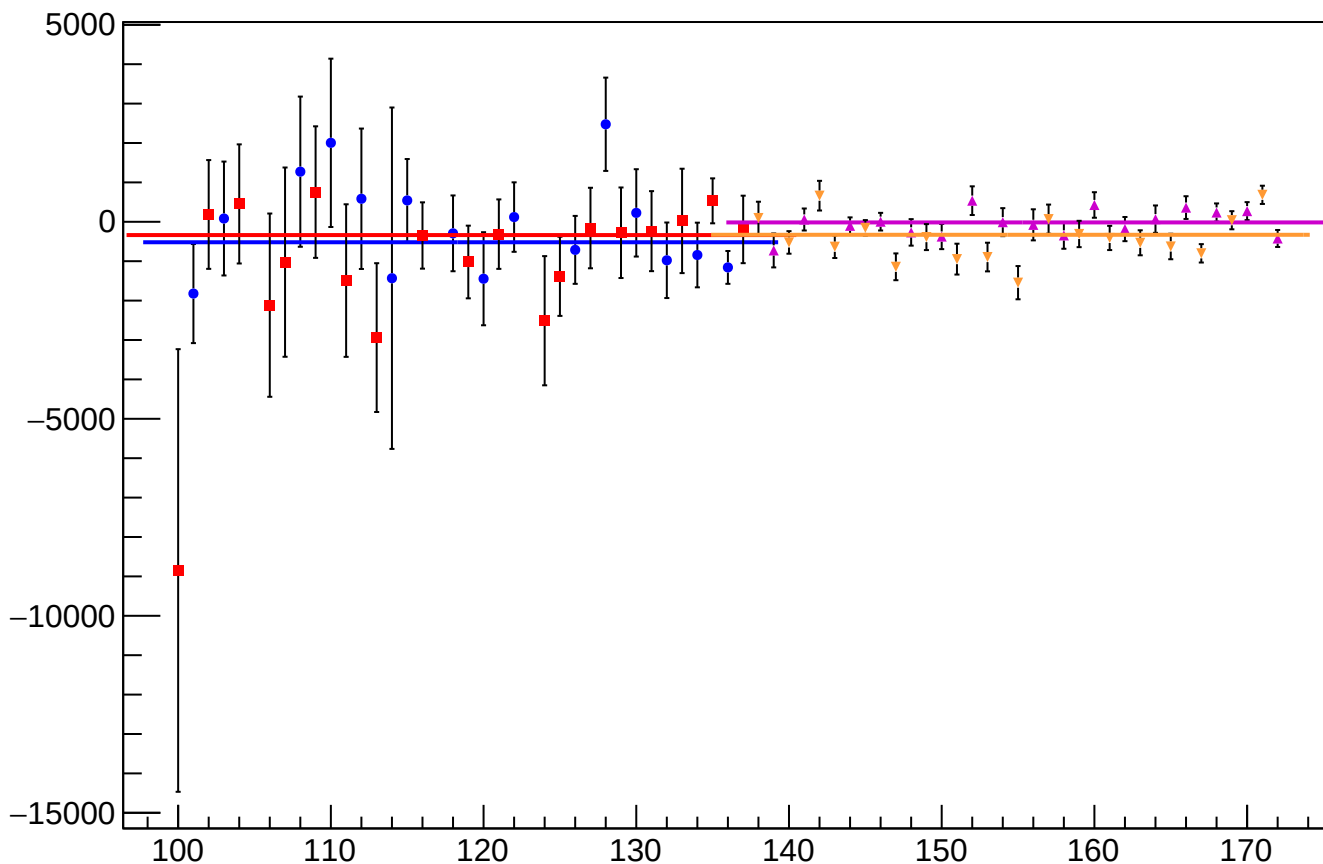
Left In: 56.853+/-0.011 χ^2/NDF : 267610.3/16

+ sign 60.518+/-0.010 χ^2/NDF : 2396777.7/33

All: 60.883+/-0.007 χ^2/NDF : 5194096.8/69

- sign 61.262+/-0.010 χ^2/NDF : 2794361.7/35

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

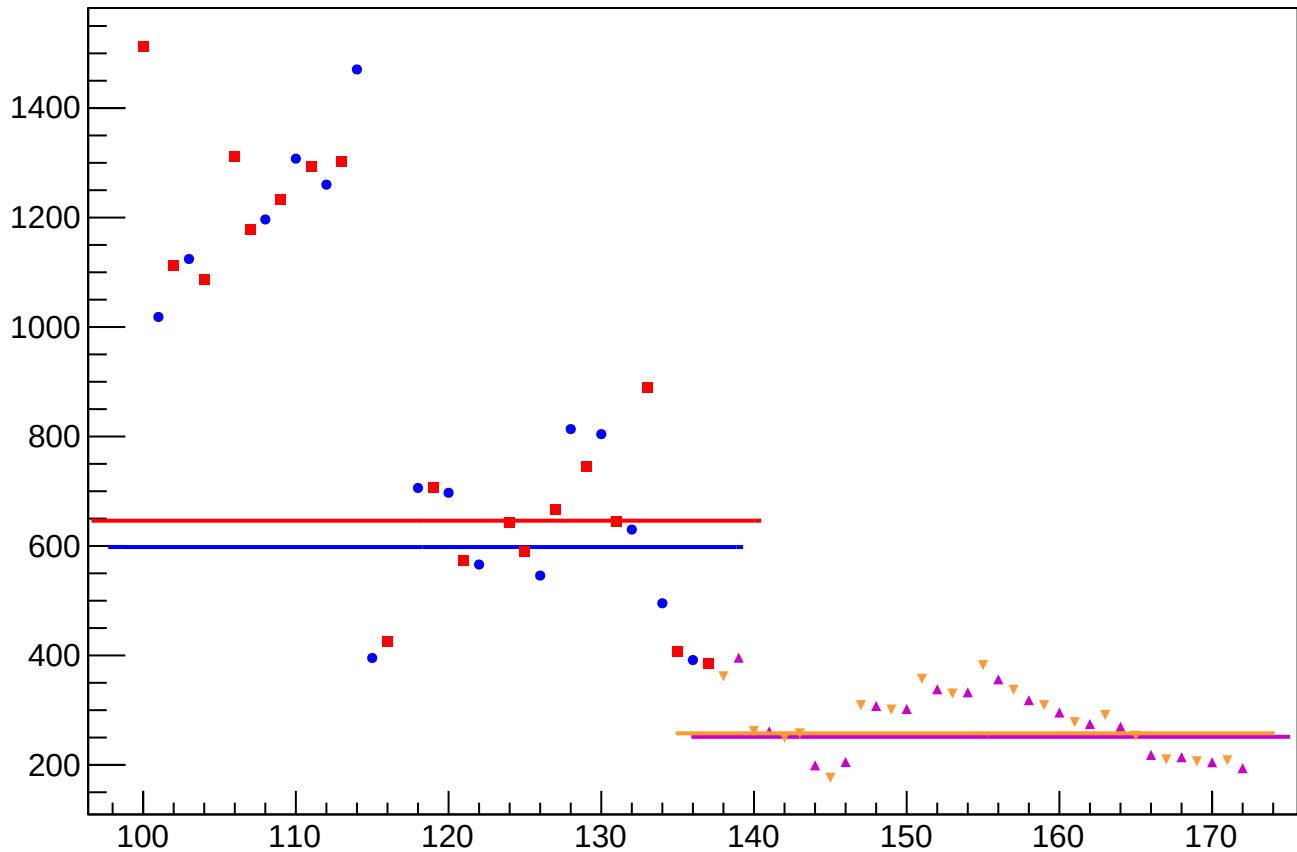
Left In: -15.945 ± 69.099 χ^2/NDF : 18.3/16

+ sign -344.560 ± 67.381 χ^2/NDF : 74.0/33

All: -189.588 ± 47.411 χ^2/NDF : 116.2/69

- sign -37.631 ± 66.722 χ^2/NDF : 31.7/35

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

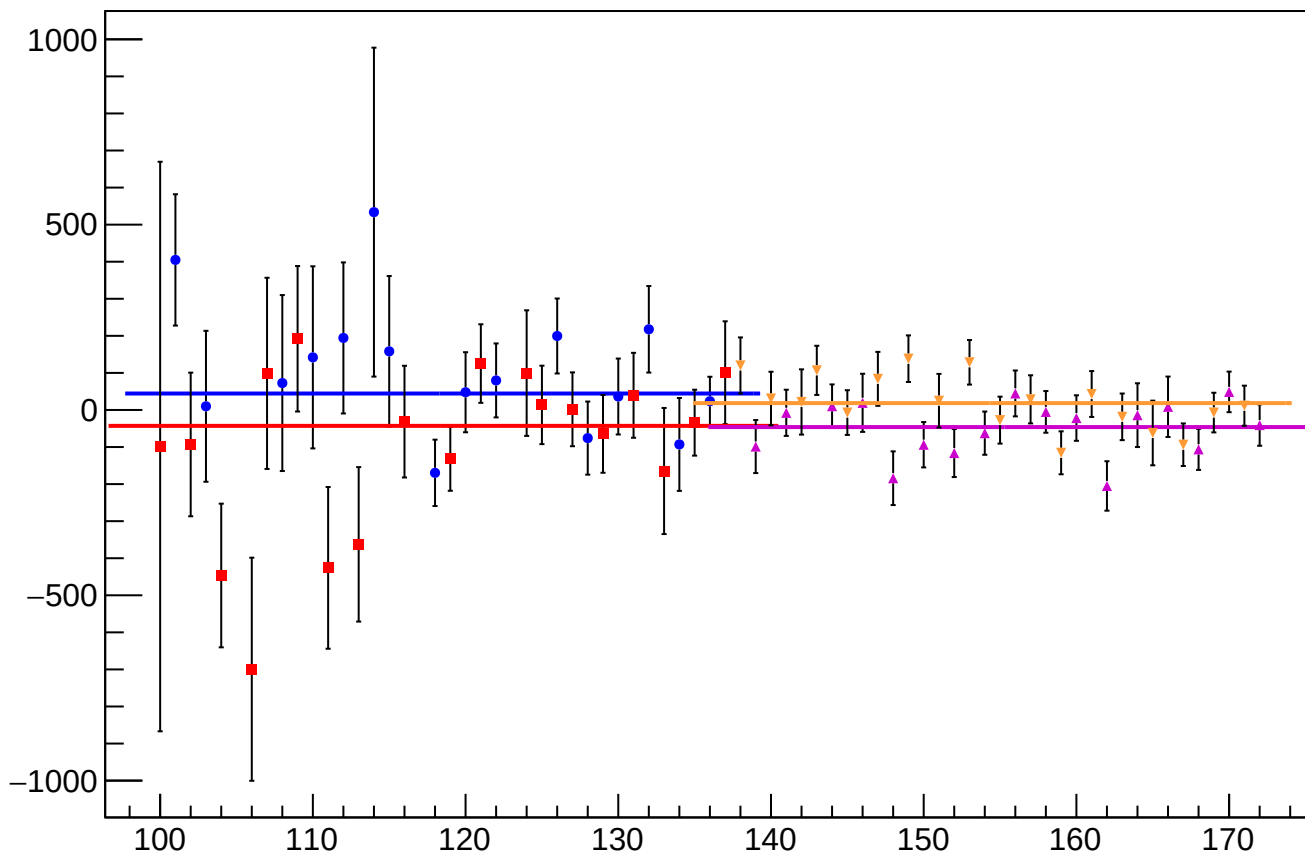
Left In: 251.326±/-0.049 χ^2/NDF :1334780.6/16

+ sign 284.309±/-0.048 χ^2/NDF : 7091923.8/33

All: 281.134±/-0.034 χ^2/NDF : 15056159.1/69

- sign 278.020±/-0.047 χ^2/NDF : 7955437.8/35

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

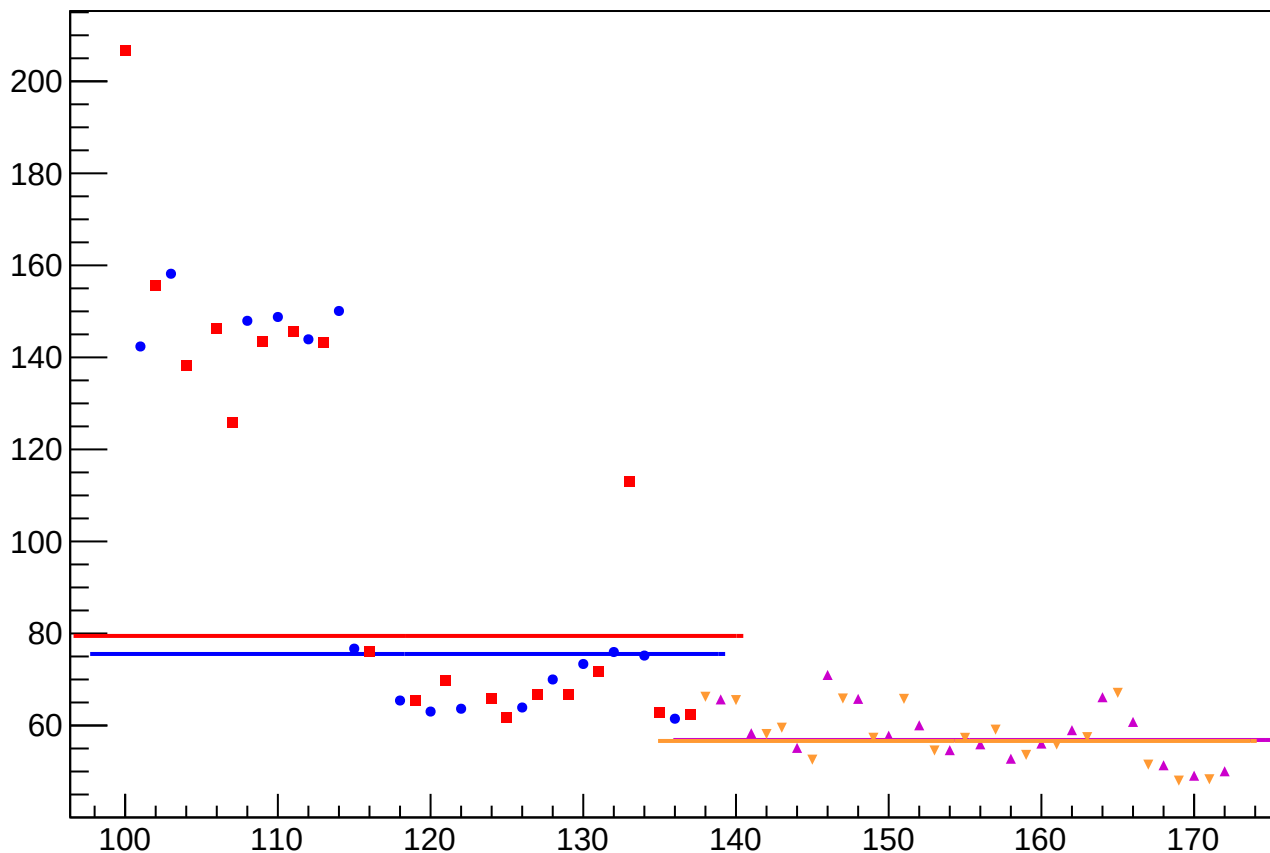
Left In: -46.150+/-15.377 χ^2/NDF : 21.3/16

+ sign 23.827+/-13.545 χ^2/NDF : 43.1/33

All: -10.205+/-9.666 χ^2/NDF : 100.6/69

- sign -45.516+/-13.797 χ^2/NDF : 44.6/35

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

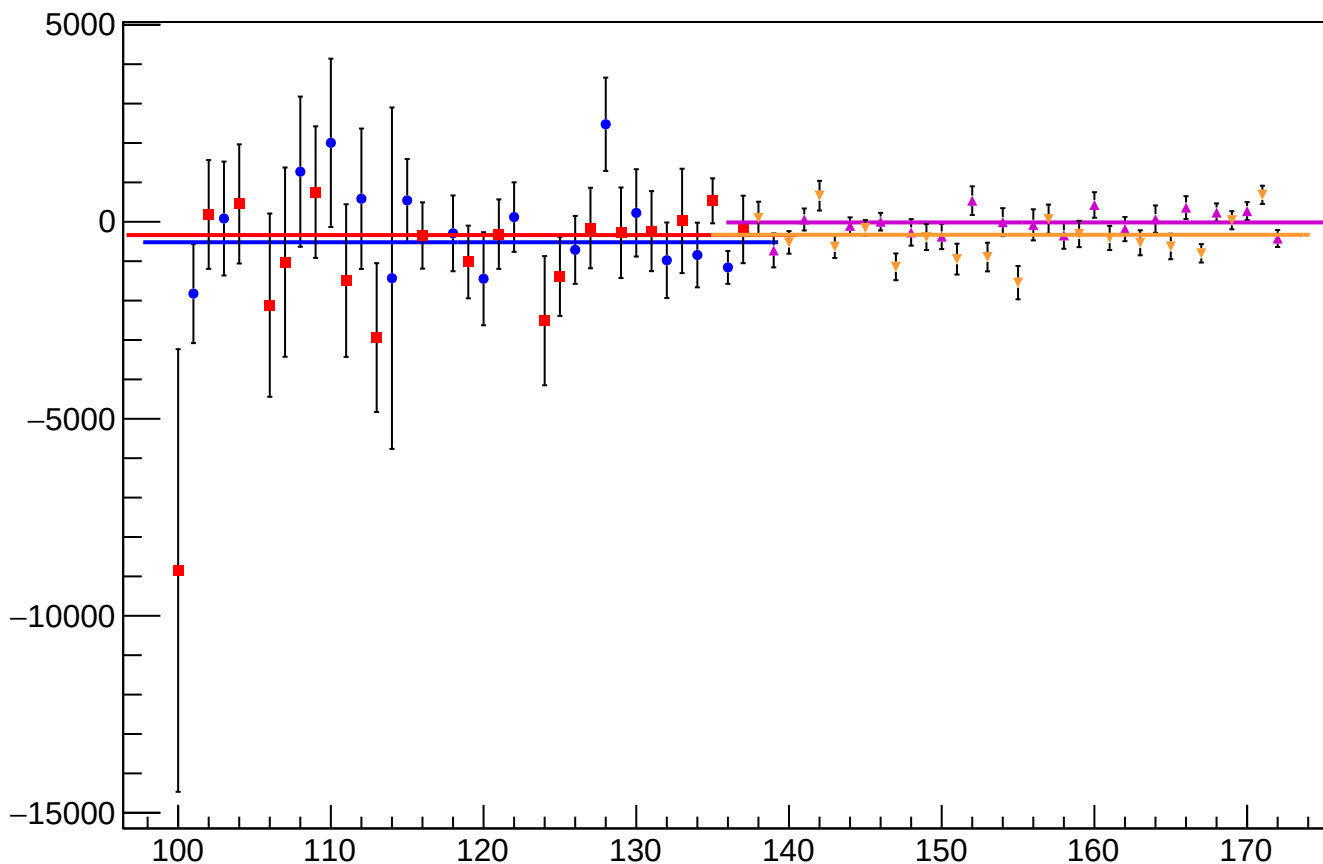
Left In: 56.853 ± 0.011 χ^2/NDF : 267610.7/16

+ sign 60.518 ± 0.010 χ^2/NDF : 2396737.9/33

All: 60.883 ± 0.007 χ^2/NDF : 5194018.9/69

- sign 61.262 ± 0.010 χ^2/NDF : 2794322.8/35

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



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

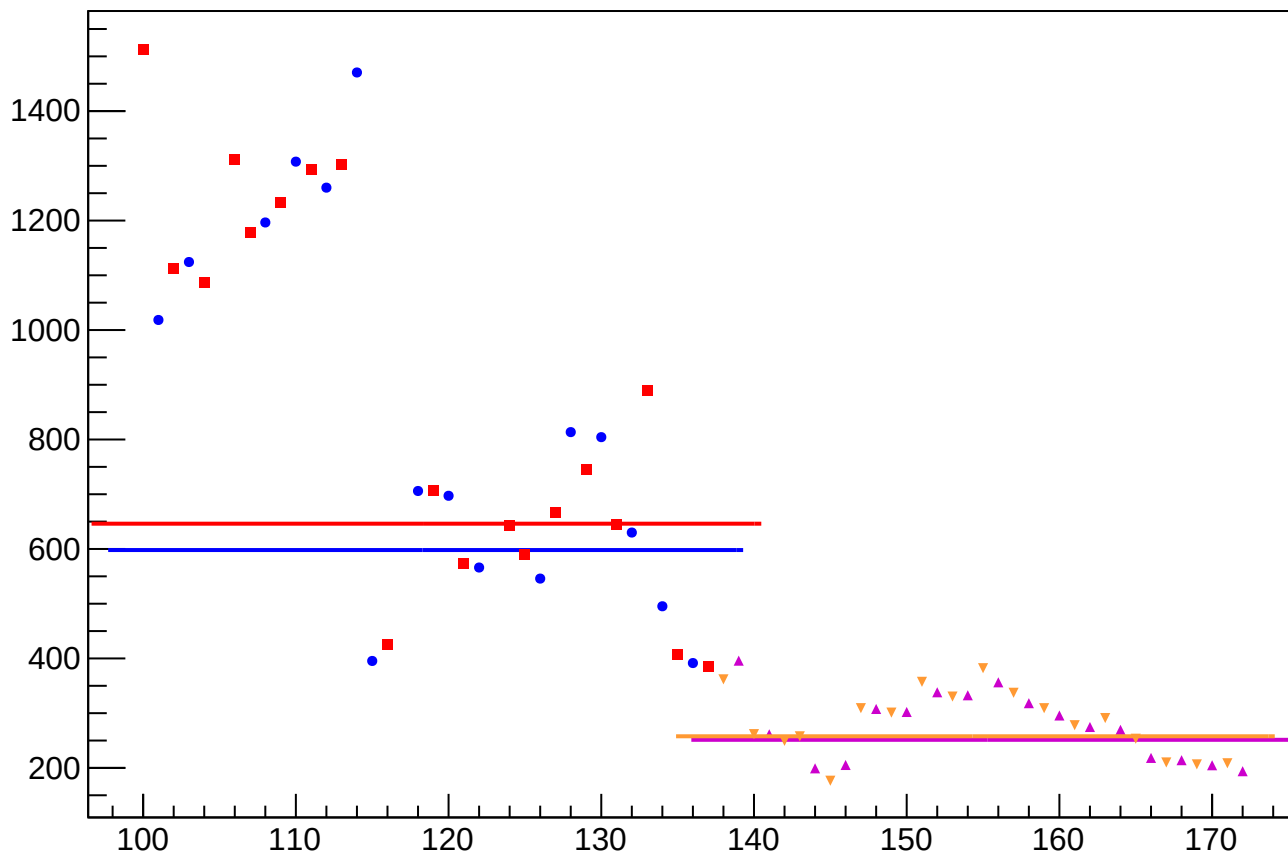
Left In: -15.944 ± 69.099 χ^2/NDF : 18.3/16

+ sign -344.558 ± 67.381 χ^2/NDF : 74.0/33

All: -189.587 ± 47.411 χ^2/NDF : 116.2/69

- sign -37.630 ± 66.722 χ^2/NDF : 31.7/35

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



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

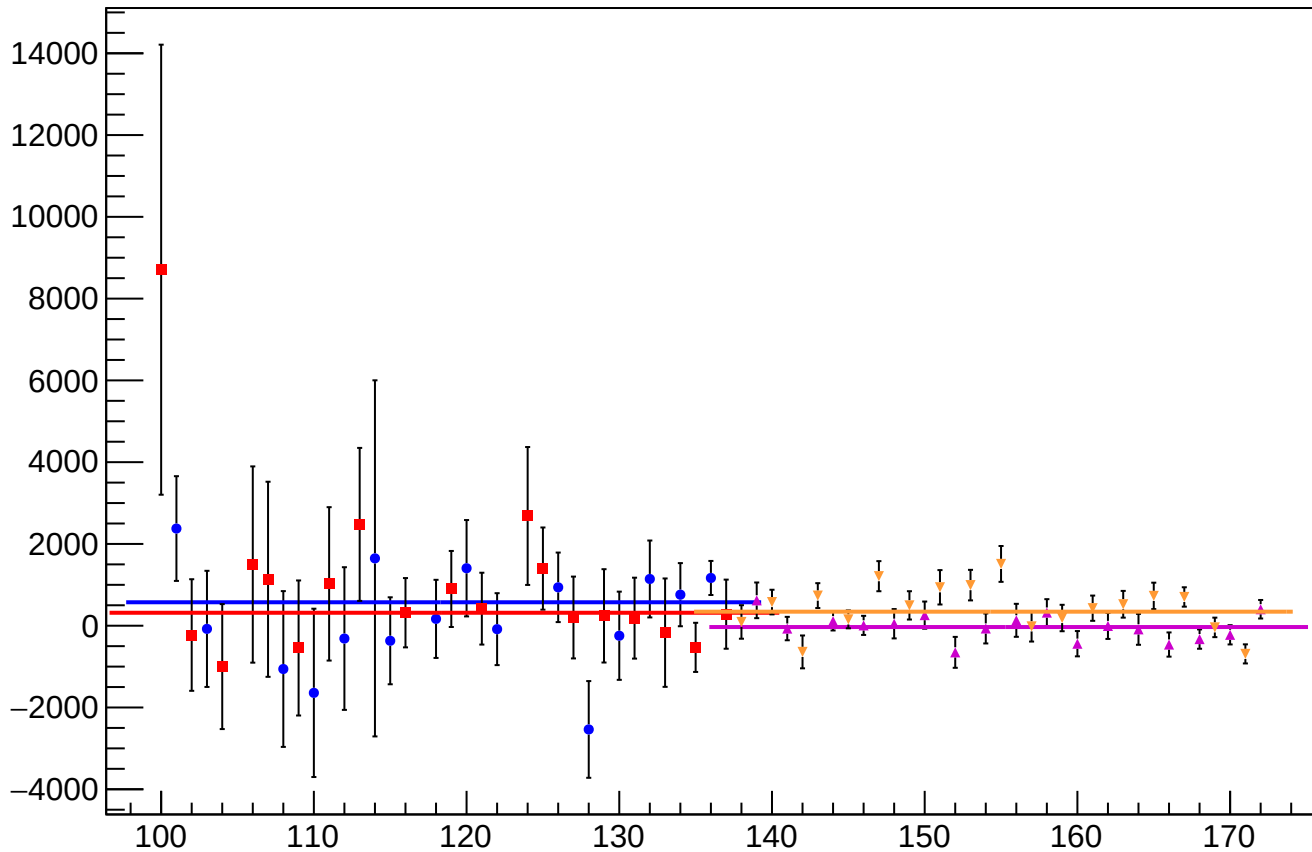
Left In: 251.326+/-0.049 χ^2/NDF : 1334773.9/16

+ sign 284.309+/-0.048 χ^2/NDF : 7091942.2/33

All: 281.133+/-0.034 χ^2/NDF : 15056159.7/69

- sign 278.020+/-0.047 χ^2/NDF : 7955421.6/35

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

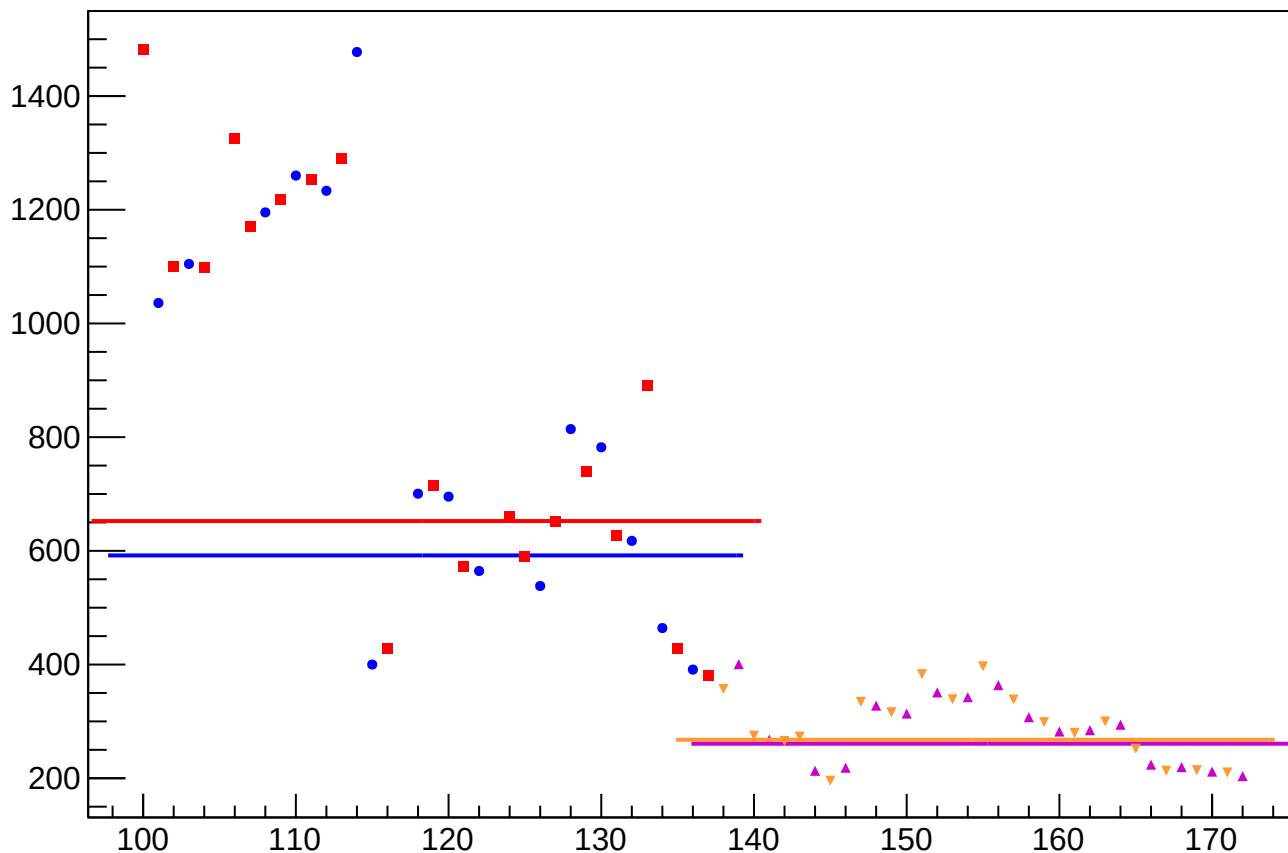
Left In: -32.368 ± 71.465 χ^2/NDF : 17.3/16

+ sign 362.915 ± 69.662 χ^2/NDF : 72.1/33

All: 175.594 ± 48.978 χ^2/NDF : 116.4/69

- sign -7.527 ± 68.877 χ^2/NDF : 30.0/35

asym_sam_1526_avg_rms vs Slug



Right In: 591.974 $\pm$ 0.169 χ^2 /NDF: 2035700.6/15

Left Out: 267.694 $\pm$ 0.051 χ^2 /NDF:1260854.5/17

Right Out: 652.459 $\pm$ 0.183 χ^2 /NDF: 2089983.3/18

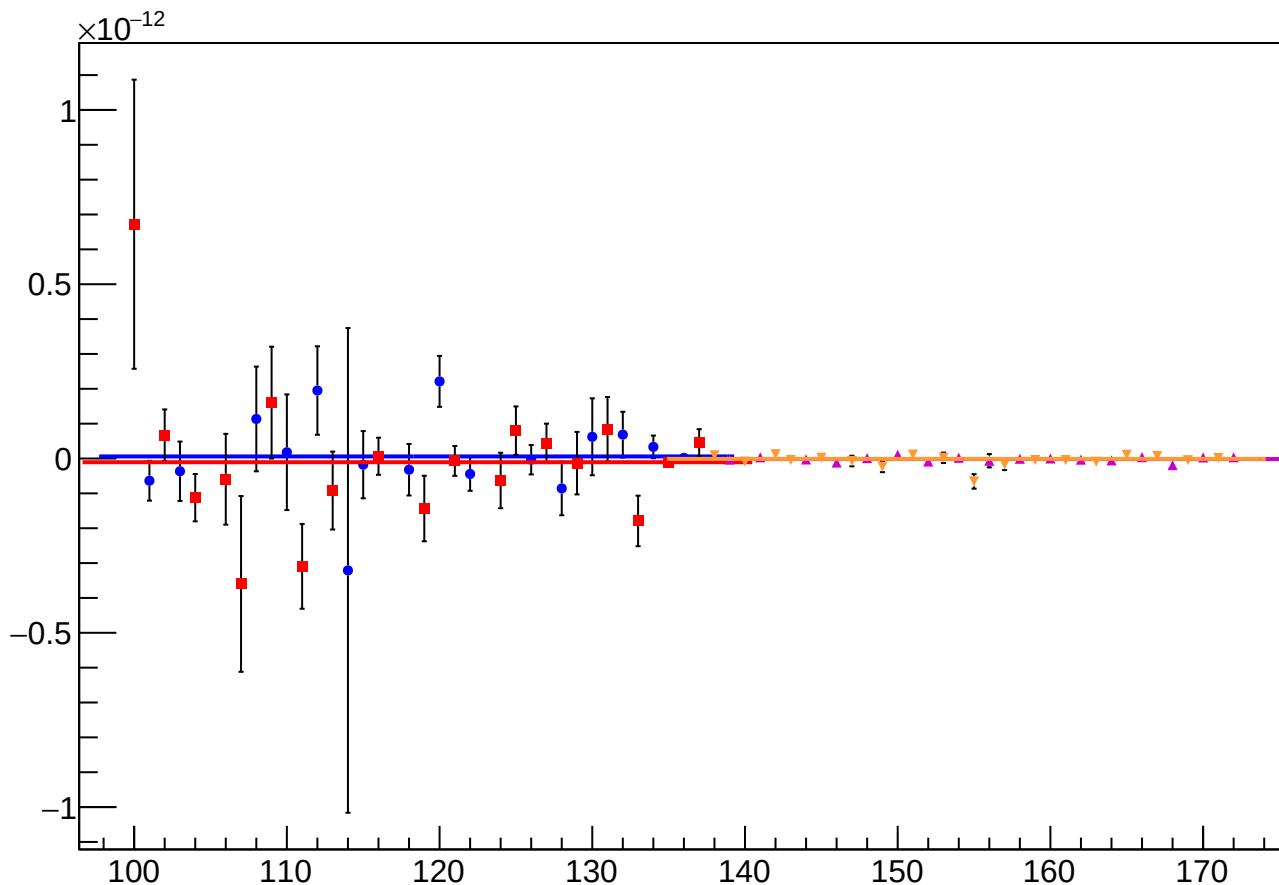
Left In: 260.709 $\pm$ 0.051 χ^2 /NDF:1205907.2/16

+ sign 295.262 $\pm$ 0.049 χ^2 /NDF: 6667684.7/33

All: 291.882 $\pm$ 0.035 χ^2 /NDF: 14248095.9/69

- sign 288.577 $\pm$ 0.049 χ^2 /NDF: 7571098.2/35

asym_sam_1526_avg_reg_vs_cor_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 : 21.7/17

Right Out: -0.000+/-0.000 χ^2/NDF : 29.5/18

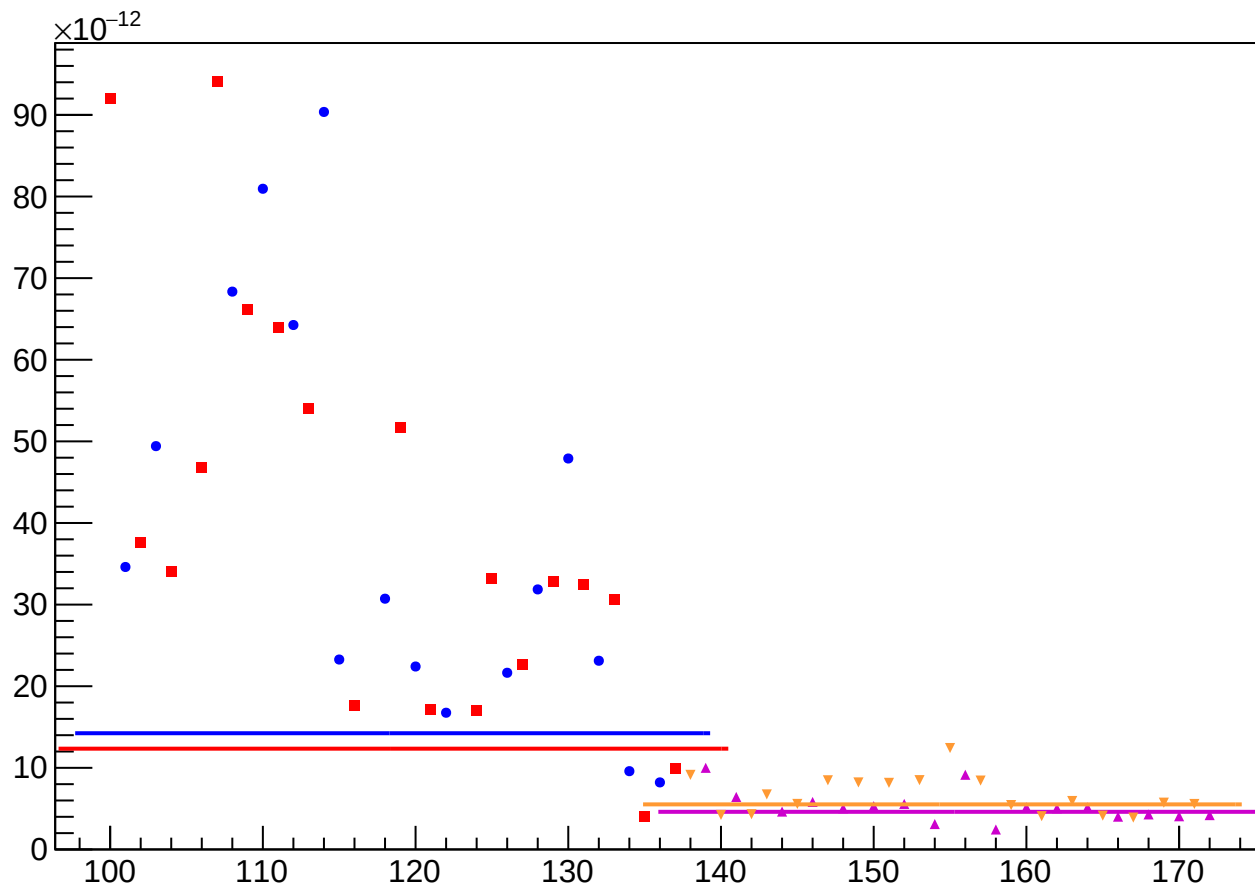
Left In: -0.000+/-0.000 χ^2/NDF : 9.5/16

+ sign -0.000+/-0.000 χ^2/NDF : 40.3/33

All: -0.000+/-0.000 χ^2/NDF : 80.2/69

- sign -0.000+/-0.000 χ^2/NDF : 39.7/35

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1064510.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3472954.4/18

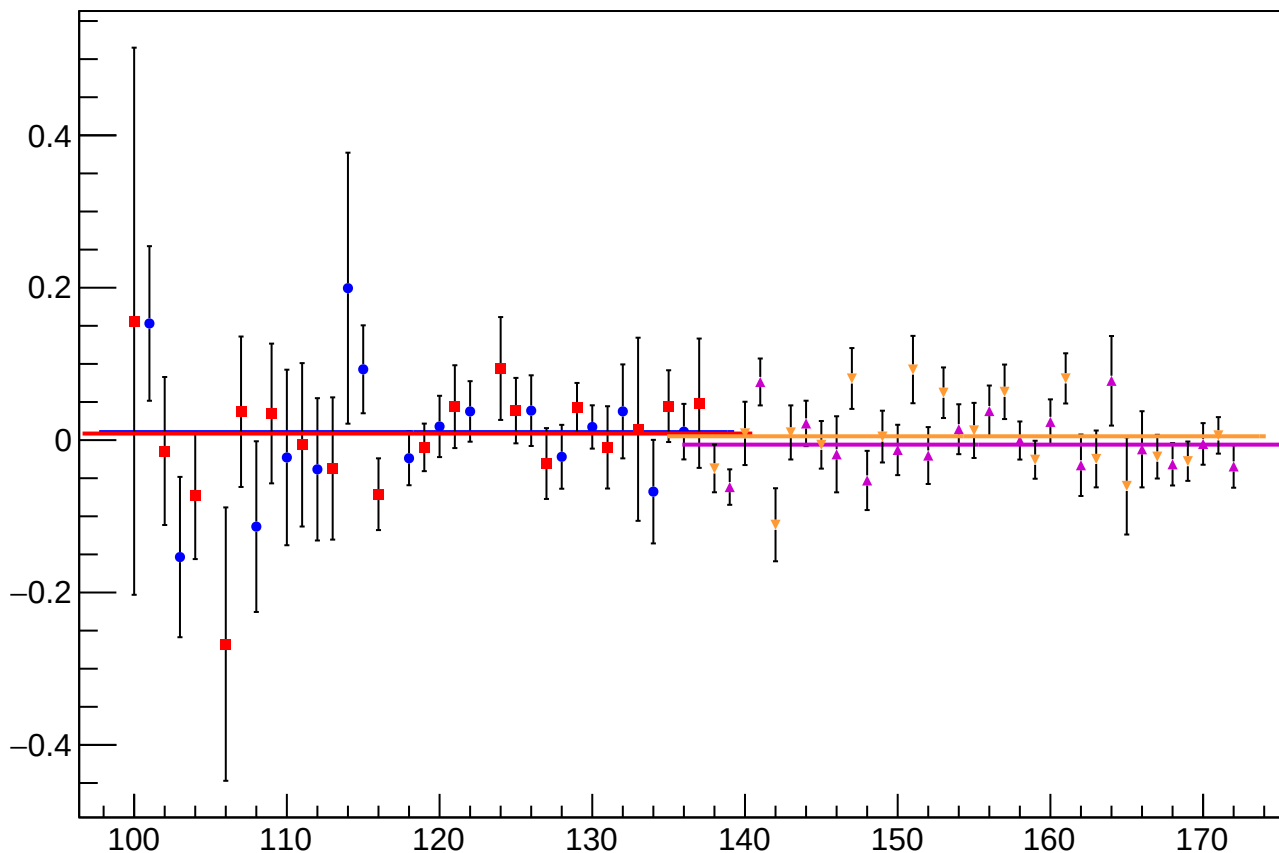
Left In: 0.000+/-0.000 χ^2/NDF : 809387.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 4861415.5/33

All: 0.000+/-0.000 χ^2/NDF : 10375013.2/69

- sign 0.000+/-0.000 χ^2/NDF : 5313242.8/35

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: 0.005 $\pm$ 0.008 χ^2 /NDF:32.0/17

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

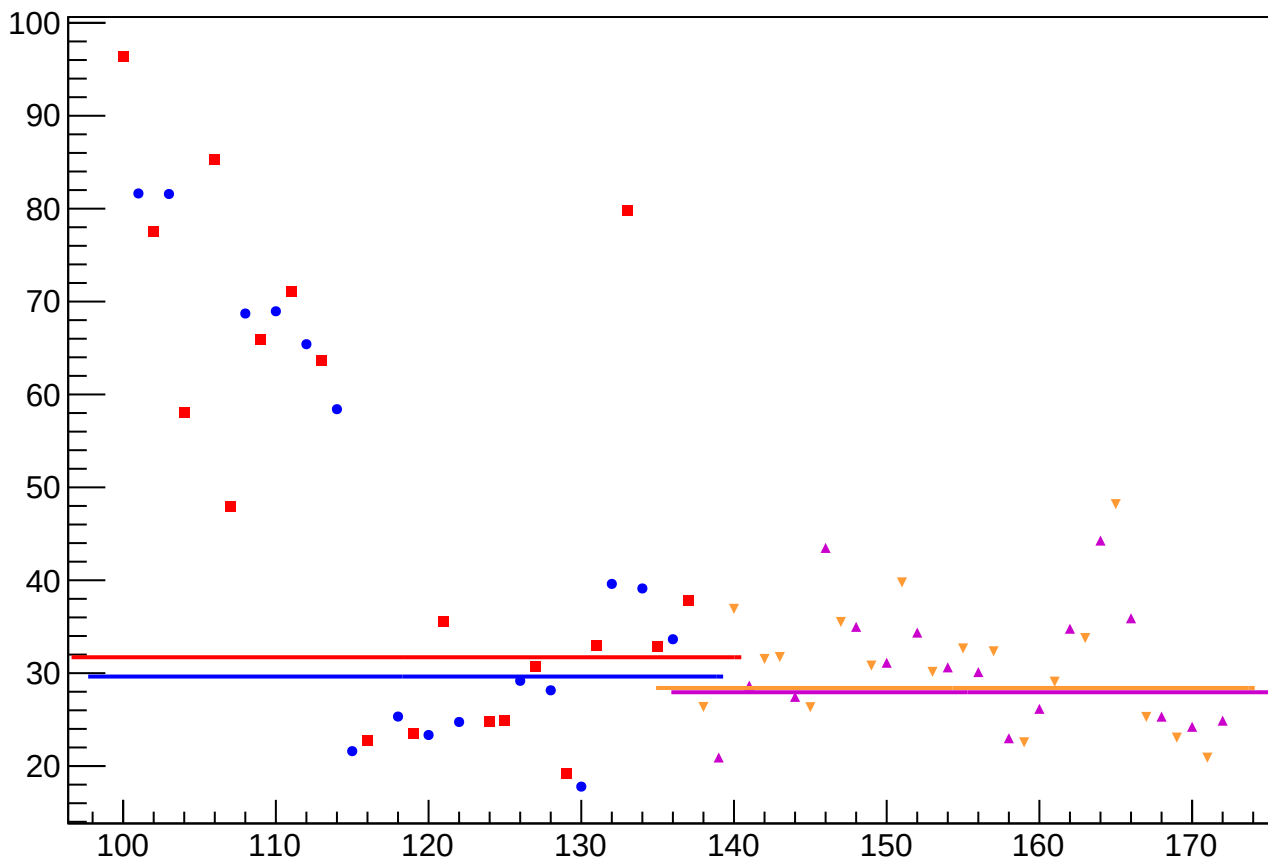
Left In: -0.006 $\pm$ 0.008 χ^2 /NDF:23.0/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 45.3/33

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 82.5/69

- sign -0.002 $\pm$ 0.007 χ^2 /NDF: 36.4/35

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.635 $\pm$ 0.009 χ^2 /NDF: 2448468.0/15

Left Out: 28.407 $\pm$ 0.006 χ^2 /NDF: 1040817.2/17

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

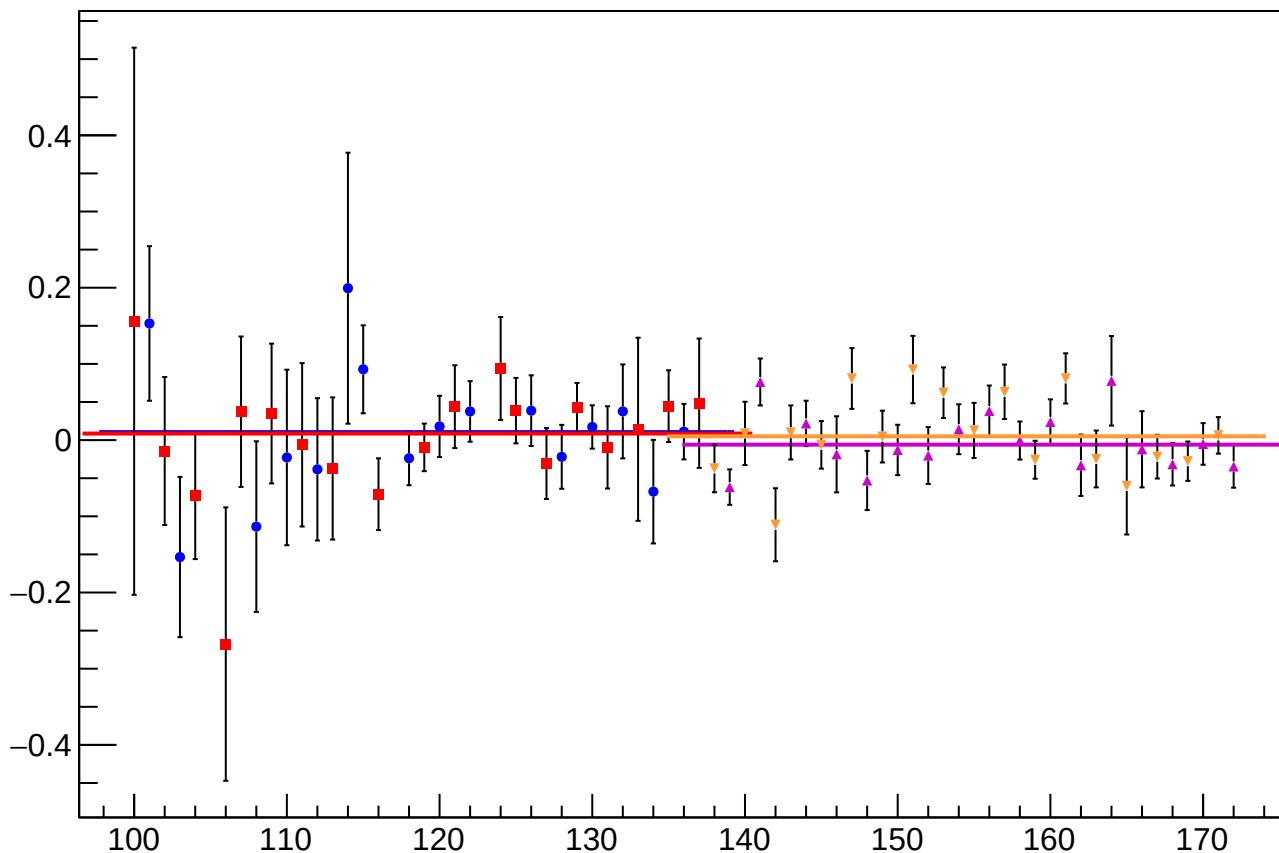
Left In: 27.944 $\pm$ 0.006 χ^2 /NDF: 969662.0/16

+ sign 28.751 $\pm$ 0.005 χ^2 /NDF: 3503047.9/33

All: 28.831 $\pm$ 0.003 χ^2 /NDF: 7245126.6/69

- sign 28.912 $\pm$ 0.005 χ^2 /NDF: 3741499.2/35

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: 0.005 $\pm$ 0.008 χ^2 /NDF:32.0/17

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

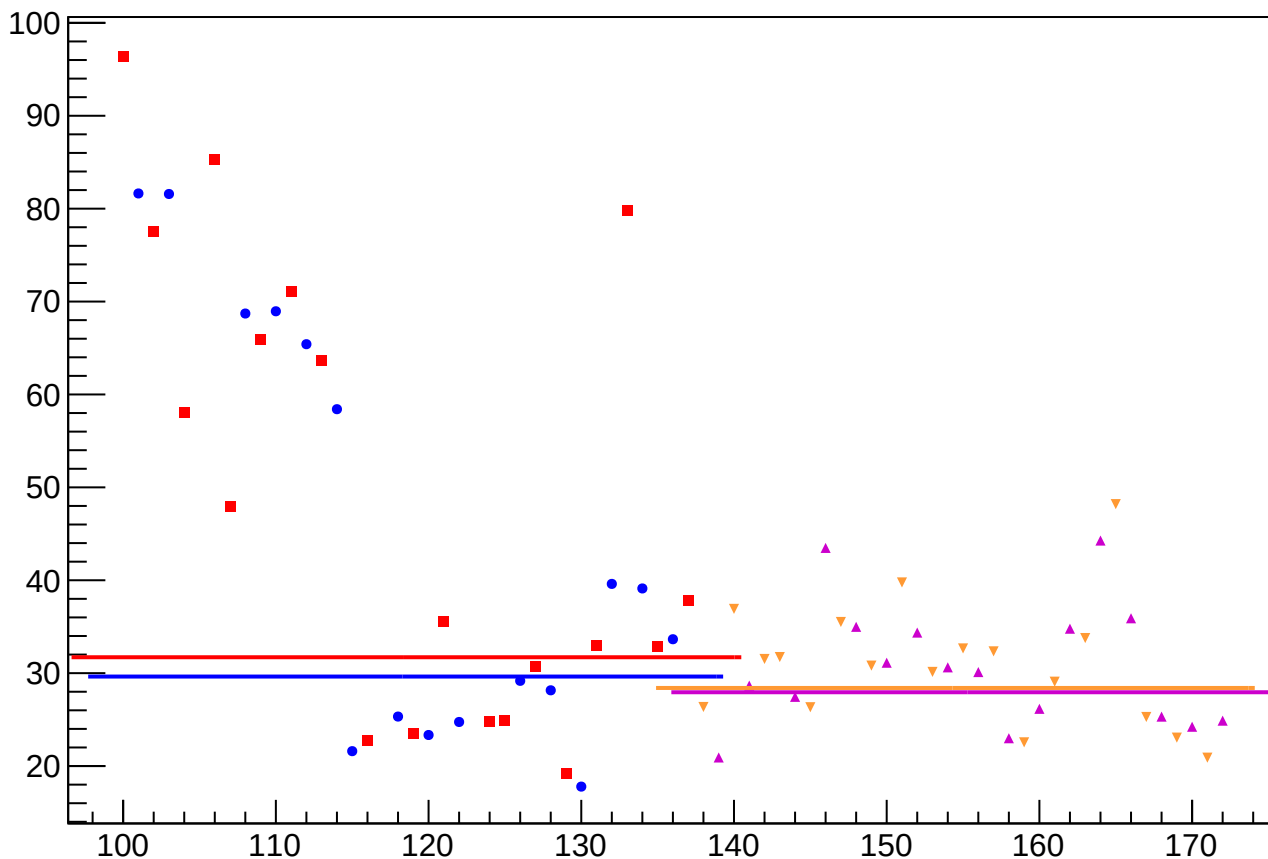
Left In: -0.006 $\pm$ 0.008 χ^2 /NDF:23.0/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 45.3/33

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 82.5/69

- sign -0.002 $\pm$ 0.007 χ^2 /NDF: 36.4/35

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.635 $\pm$ 0.009 χ^2 /NDF: 2448468.0/15

Left Out: 28.407 $\pm$ 0.006 χ^2 /NDF: 1040817.2/17

Right Out: 31.712 $\pm$ 0.009 χ^2 /NDF: 2651470.3/18

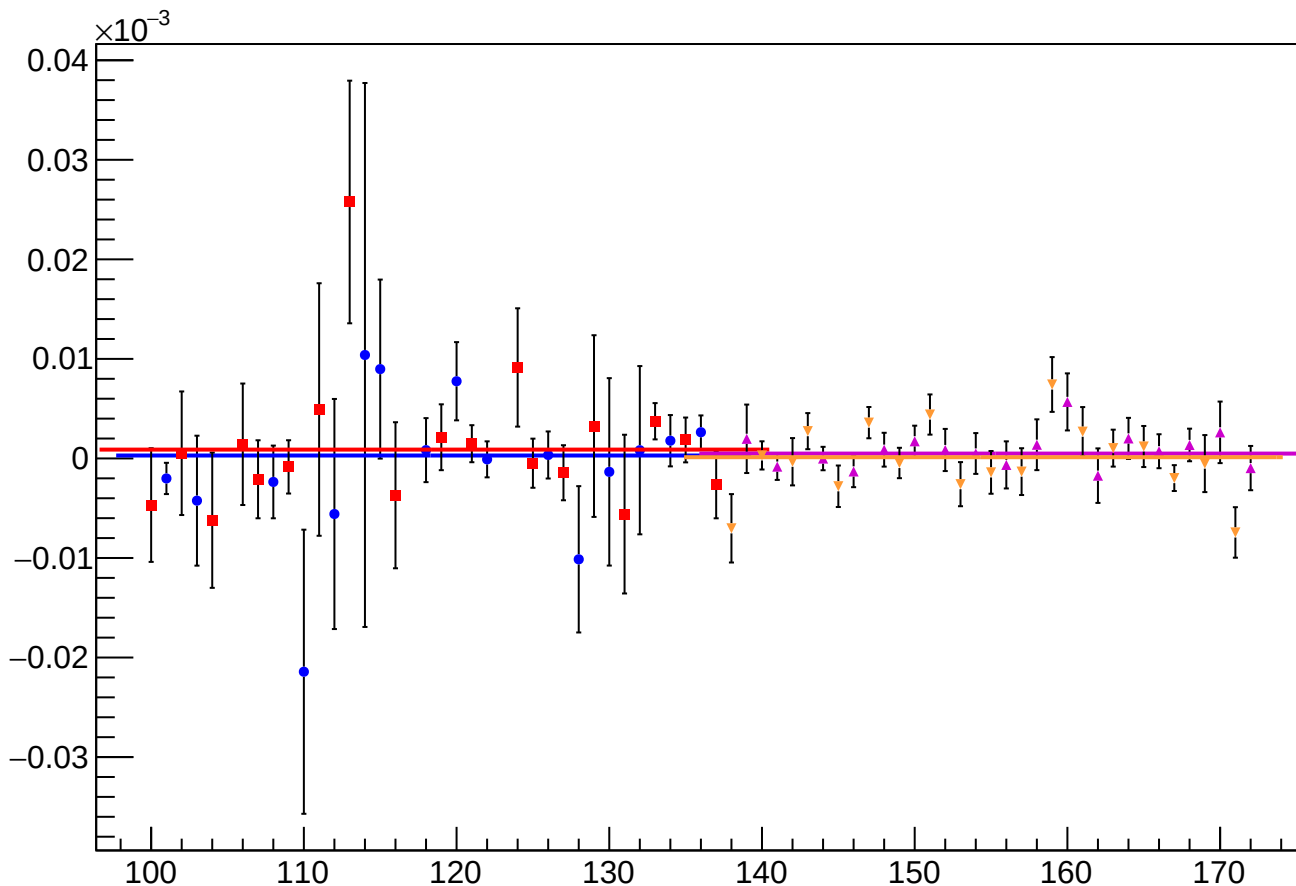
Left In: 27.944 $\pm$ 0.006 χ^2 /NDF: 969662.0/16

+ sign 28.751 $\pm$ 0.005 χ^2 /NDF: 3503047.9/33

All: 28.831 $\pm$ 0.003 χ^2 /NDF: 7245126.6/69

- sign 28.912 $\pm$ 0.005 χ^2 /NDF: 3741499.2/35

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:40.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.4/18

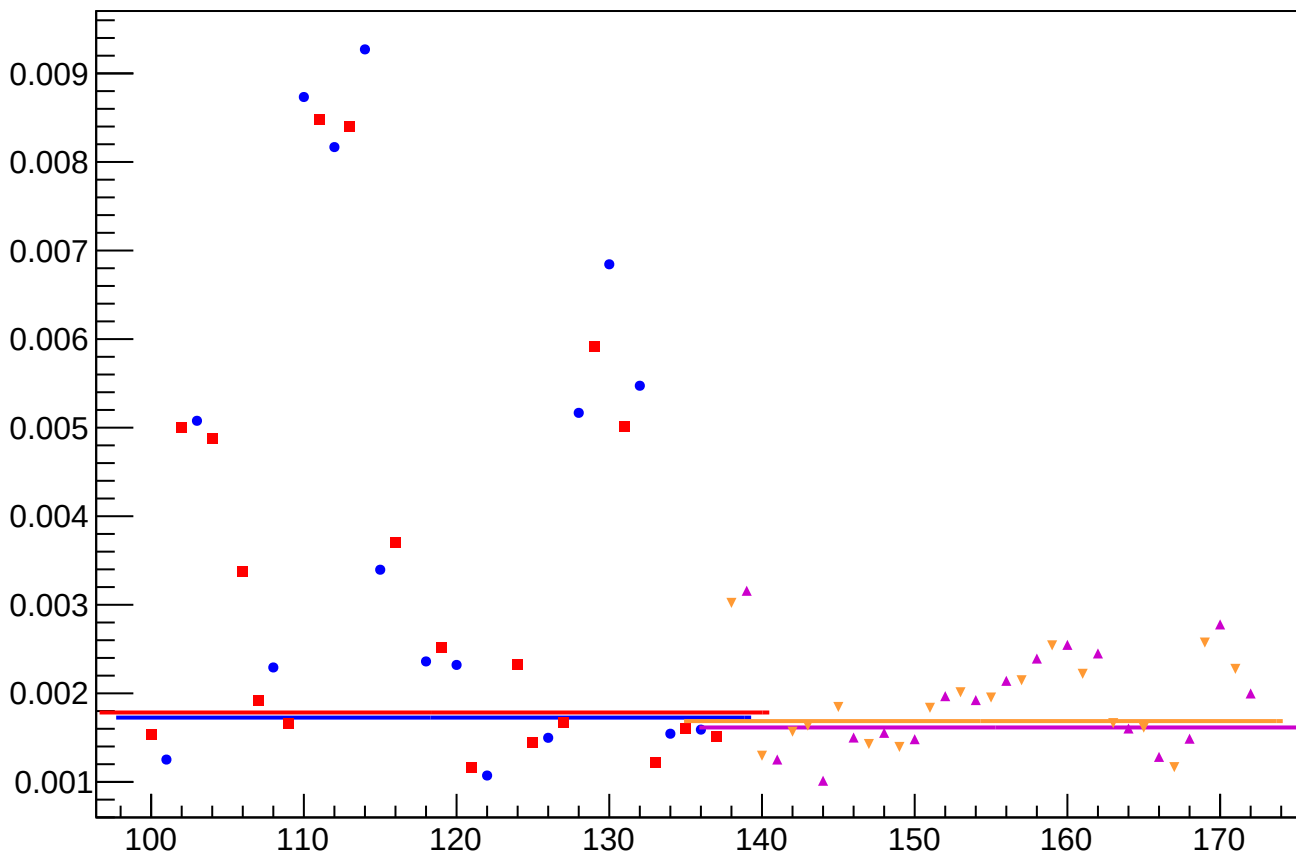
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:9.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.3/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.8/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.9/35

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF : 1671244.3/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3718778.6/18

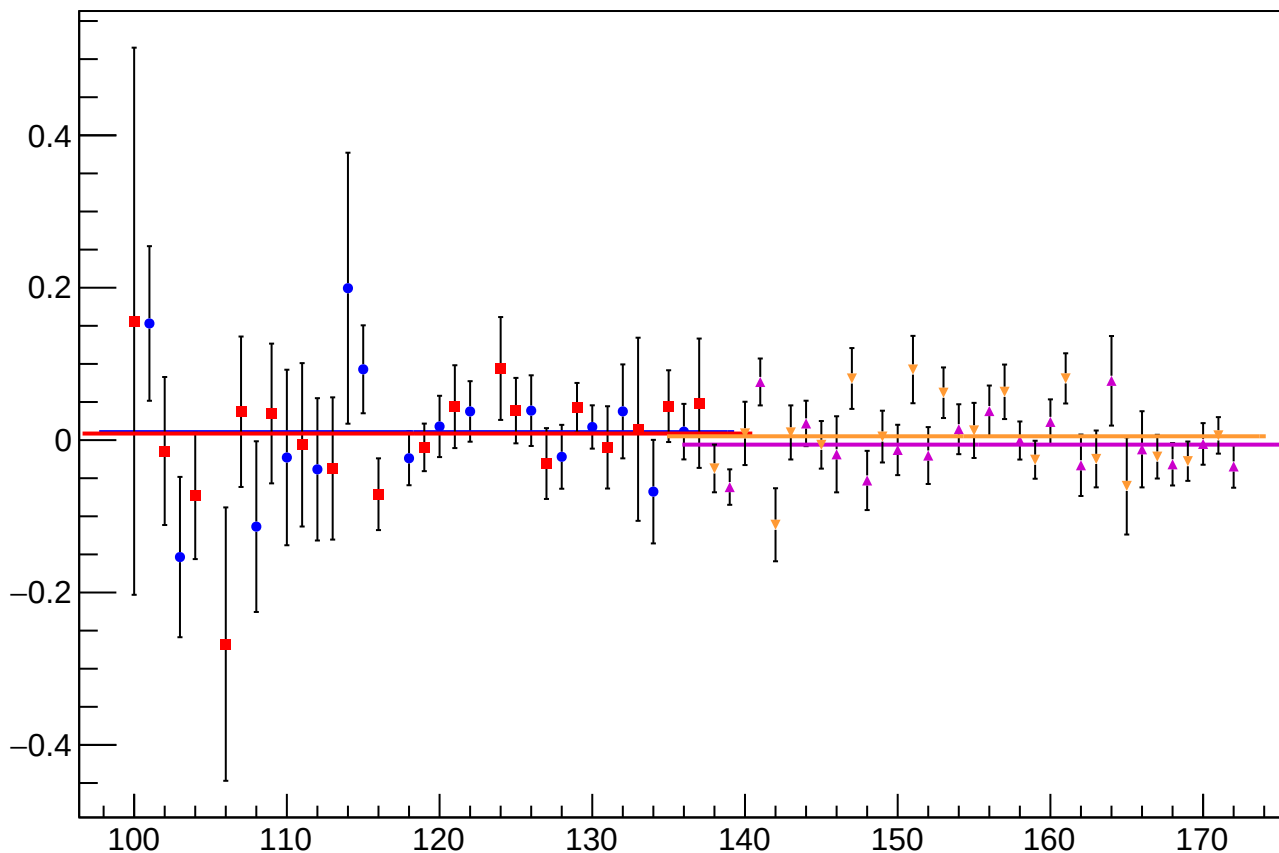
Left In: 0.002+/-0.000 χ^2/NDF : 2315080.0/16

+ sign 0.002+/-0.000 χ^2/NDF : 5607427.2/33

All: 0.002+/-0.000 χ^2/NDF : 11721893.5/69

- sign 0.002+/-0.000 χ^2/NDF : 6104525.8/35

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: 0.005 $\pm$ 0.008 χ^2 /NDF:32.0/17

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

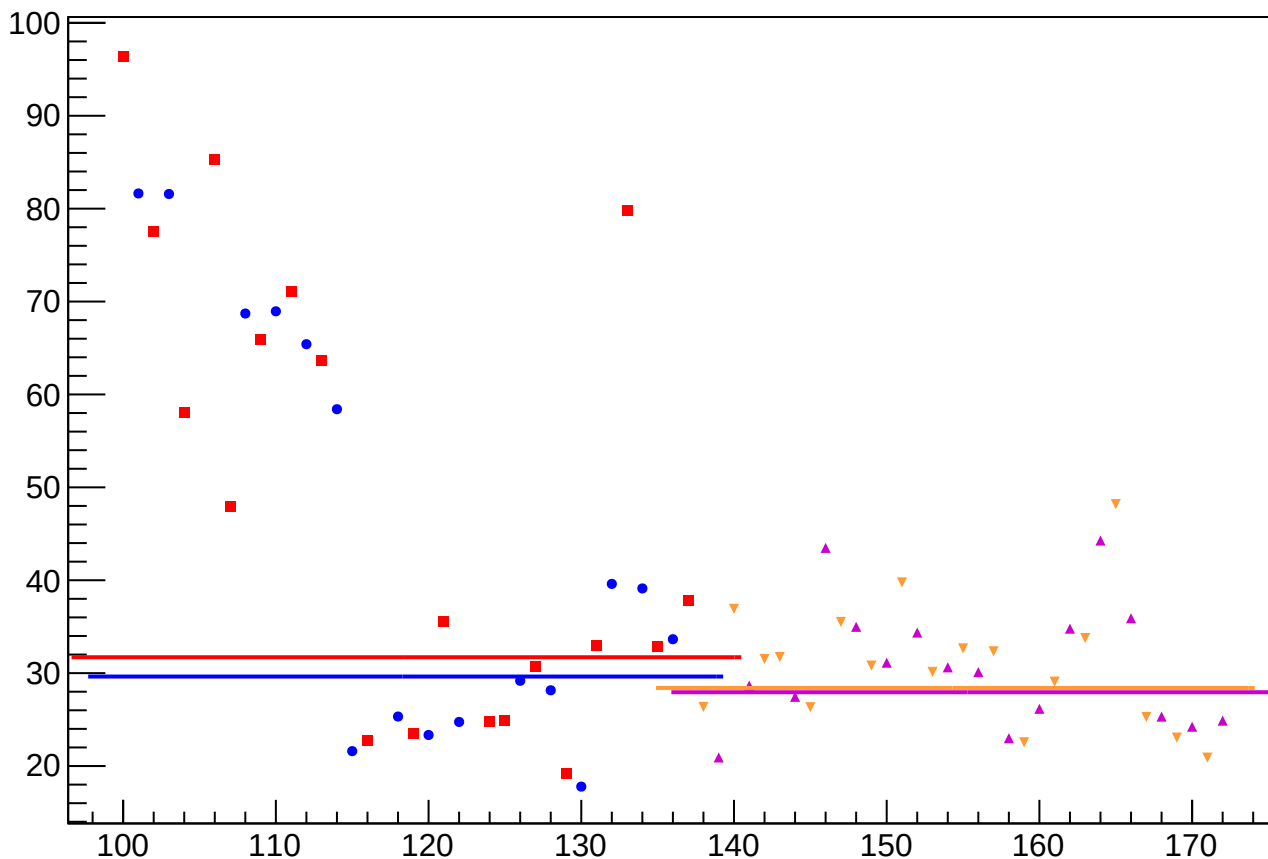
Left In: -0.006 $\pm$ 0.008 χ^2 /NDF:23.0/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 45.3/33

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 82.6/69

- sign -0.002 $\pm$ 0.007 χ^2 /NDF: 36.4/35

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.633 $\pm$ 0.009 χ^2 /NDF: 2448670.6/15

Left Out: 28.407 $\pm$ 0.006 χ^2 /NDF: 1040846.6/17

Right Out: 31.711 $\pm$ 0.009 χ^2 /NDF: 2651638.6/18

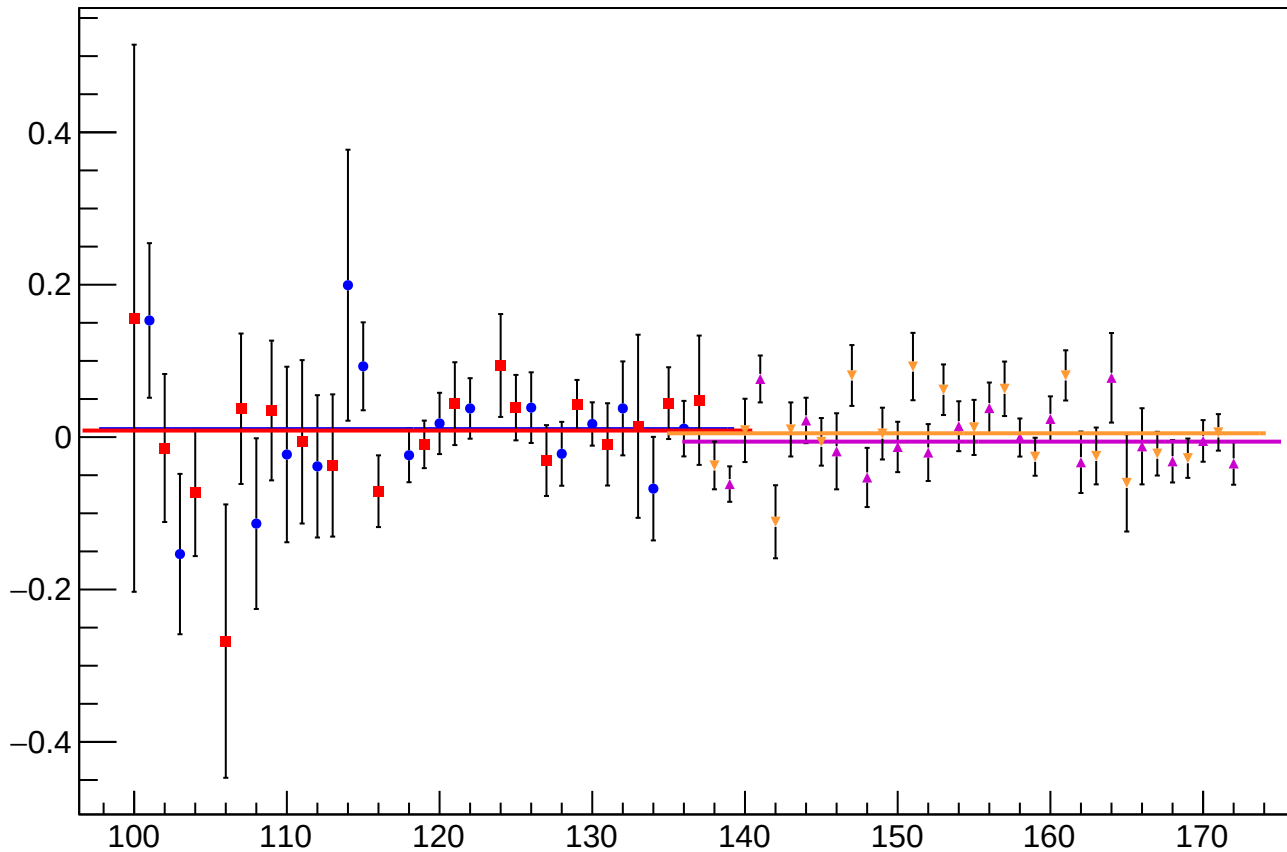
Left In: 27.945 $\pm$ 0.006 χ^2 /NDF: 969670.5/16

+ sign 28.751 $\pm$ 0.005 χ^2 /NDF: 3503247.8/33

All: 28.831 $\pm$ 0.003 χ^2 /NDF: 7245402.3/69

- sign 28.912 $\pm$ 0.005 χ^2 /NDF: 3741573.3/35

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010 $\pm$ 0.013 χ^2 /NDF: 13.1/15

Left Out: 0.005 $\pm$ 0.008 χ^2 /NDF:32.0/17

Right Out: 0.009 $\pm$ 0.013 χ^2 /NDF: 12.4/18

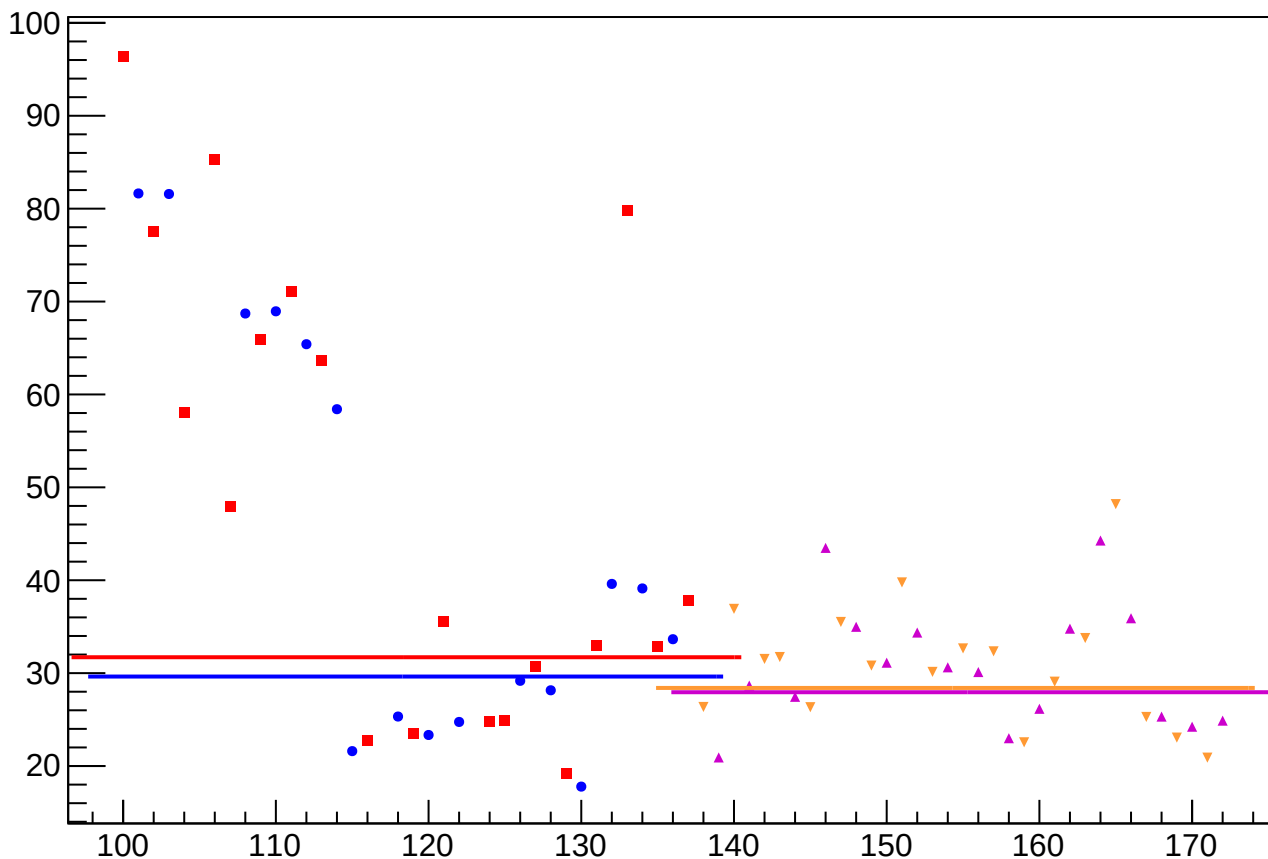
Left In: -0.006 $\pm$ 0.008 χ^2 /NDF:23.0/16

+ sign 0.007 $\pm$ 0.007 χ^2 /NDF: 45.3/33

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 82.6/69

- sign -0.002 $\pm$ 0.007 χ^2 /NDF: 36.4/35

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

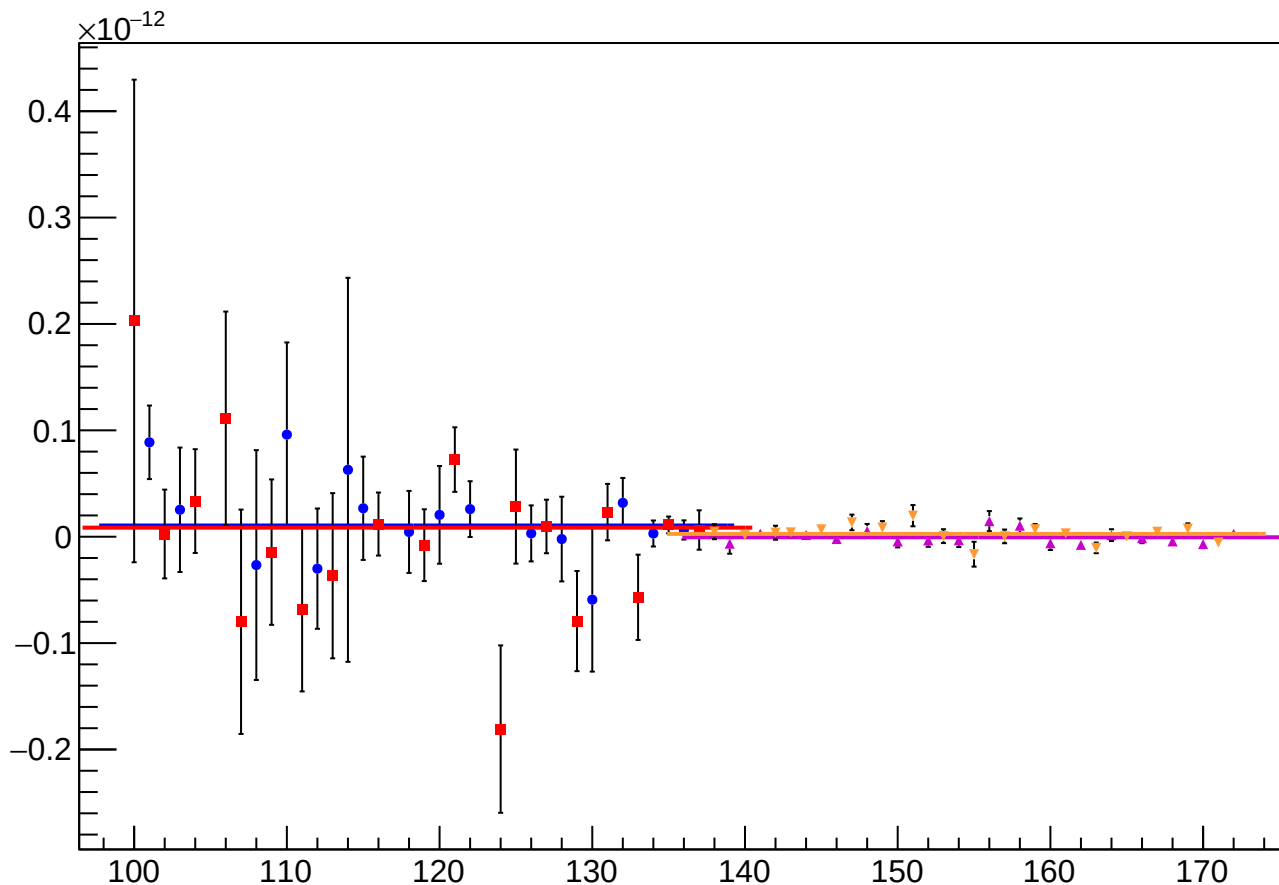
Left In: 27.945+/-0.006 χ^2/NDF : 969670.5/16

+ sign 28.751+/-0.005 χ^2/NDF : 3503247.8/33

All: 28.831+/-0.003 χ^2/NDF : 7245402.3/69

- sign 28.912+/-0.005 χ^2/NDF : 3741573.3/35

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:23.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

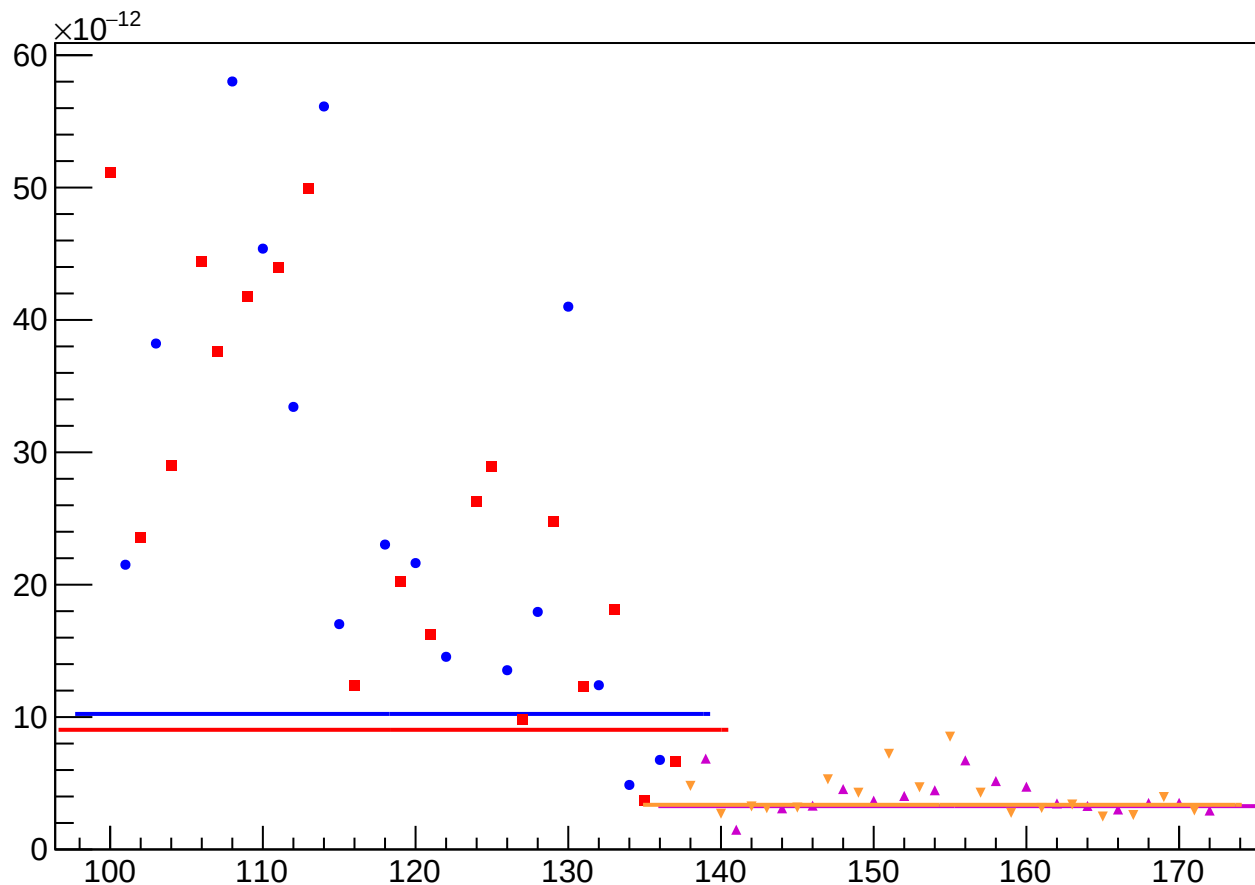
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.1/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.5/35

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

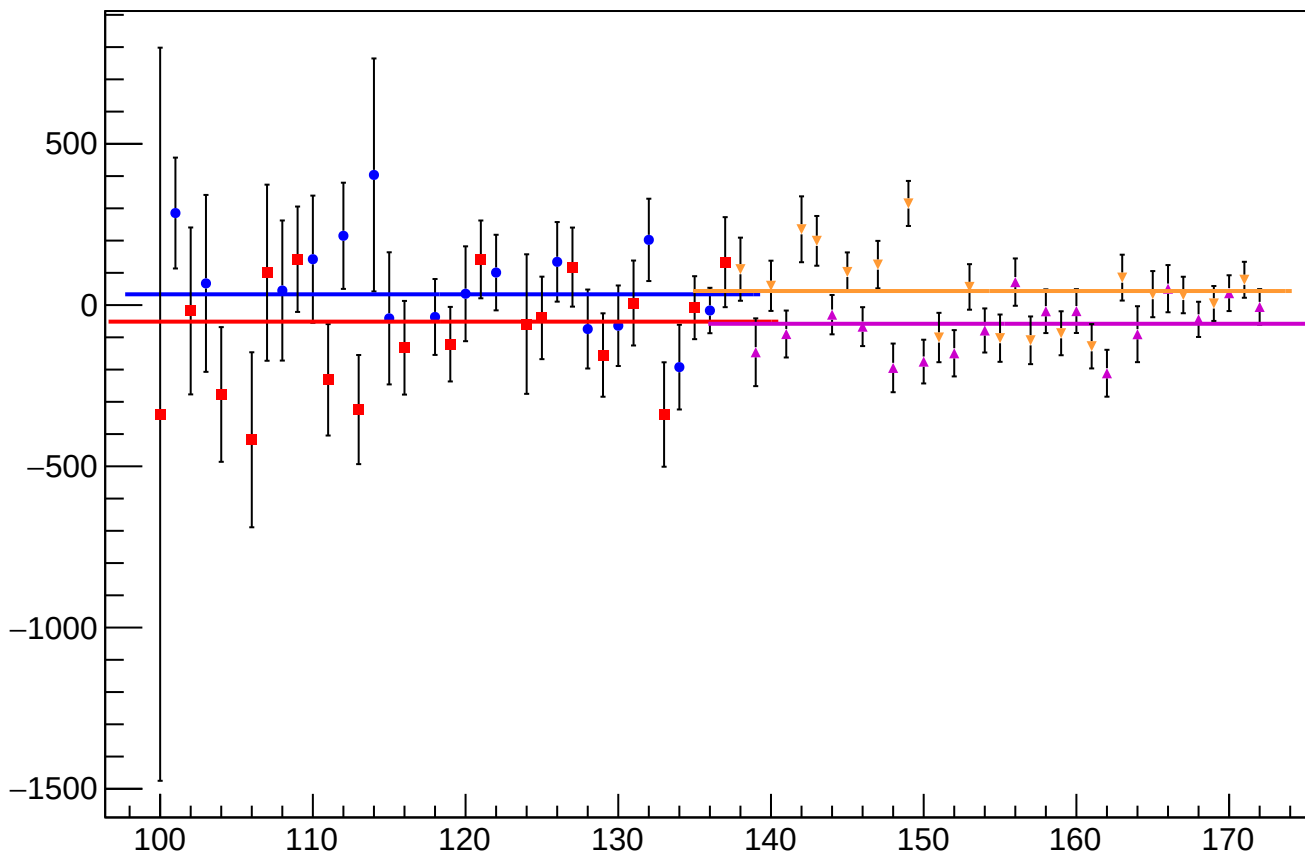
Left In: 0.000+/-0.000 χ^2/NDF : 1919641.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 7439885.8/33

All: 0.000+/-0.000 χ^2/NDF : 15710710.8/69

- sign 0.000+/-0.000 χ^2/NDF : 8256027.1/35

reg_asym_sam_3726_avg_mean vs Slug



Right In: 33.431 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 43.598 $\pm$ 16.375 χ^2 /NDF: 48.4/17

Right Out: -51.335 $\pm$ 34.851 χ^2 /NDF: 19.6/18

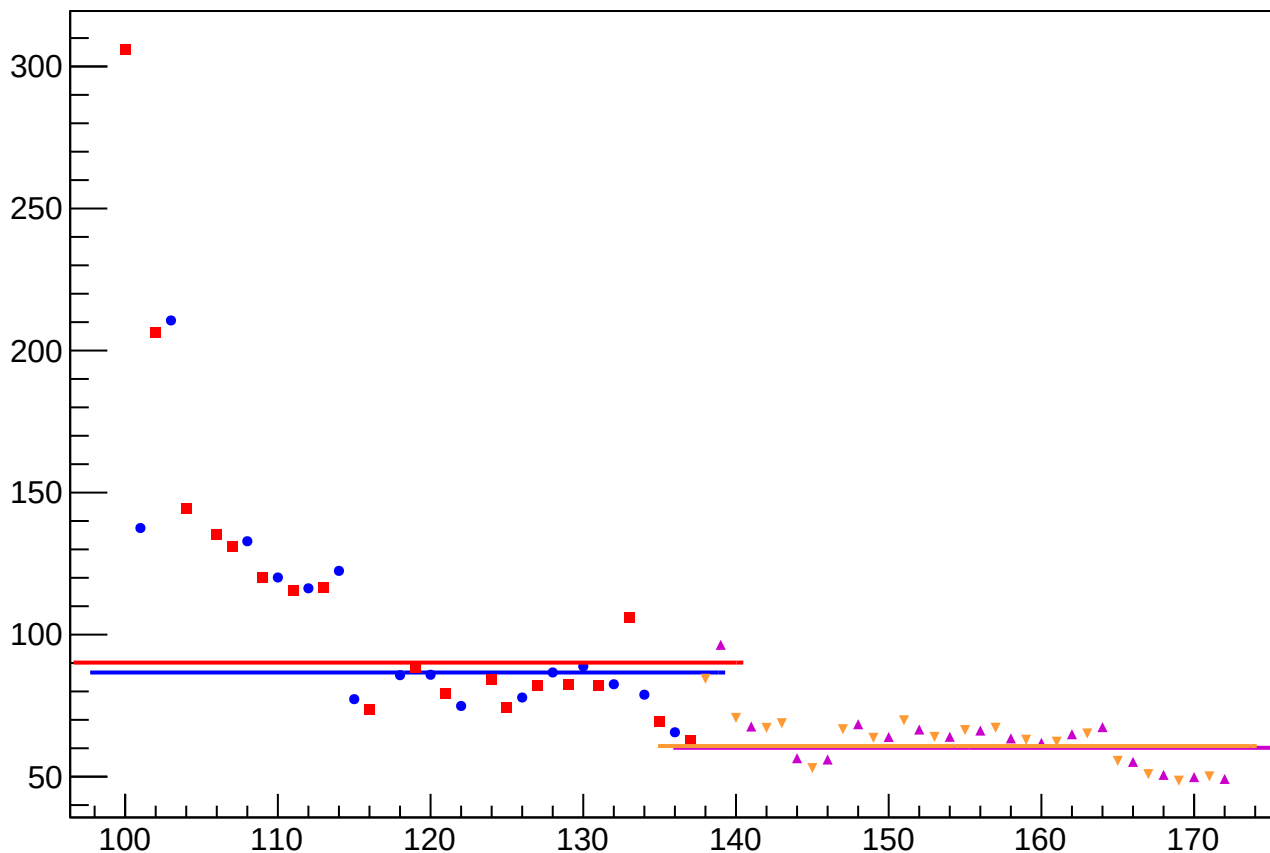
Left In: -57.958 $\pm$ 16.351 χ^2 /NDF: 23.6/16

+ sign 41.672 $\pm$ 14.744 χ^2 /NDF: 61.3/33

All: -7.348 $\pm$ 10.446 χ^2 /NDF: 126.7/69

- sign -56.763 $\pm$ 14.803 χ^2 /NDF: 43.2/35

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

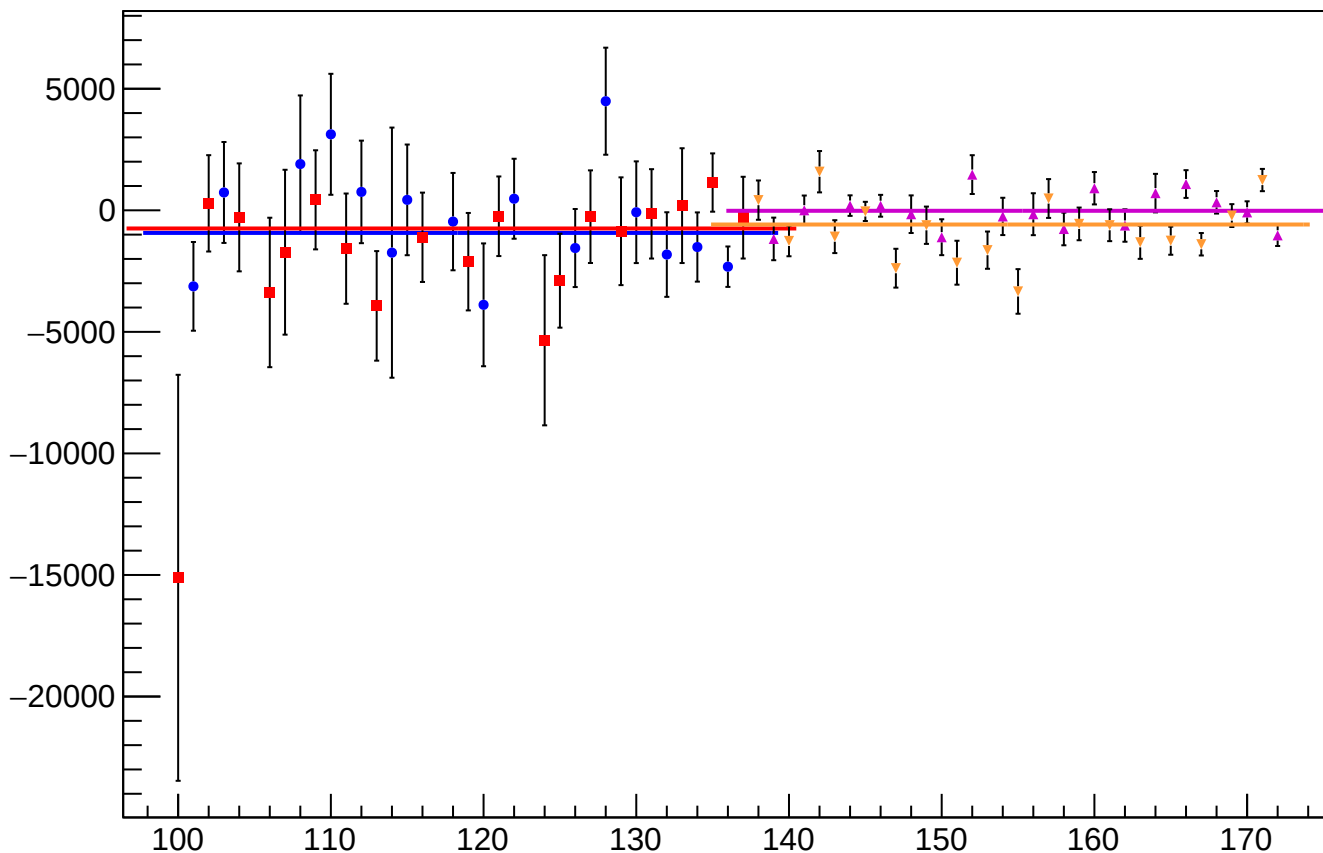
Left In: 60.161+/-0.012 χ^2/NDF : 589150.8/16

+ sign 65.684+/-0.010 χ^2/NDF : 2529574.6/33

All: 65.628+/-0.007 χ^2/NDF : 5482744.0/69

- sign 65.572+/-0.010 χ^2/NDF : 2953111.4/35

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -929.821 $\pm$ 440.893 χ^2 /NDF: 18.5/15

Left Out: -584.114 $\pm$ 146.393 χ^2 /NDF: 54.5/17

Right Out: -747.199 $\pm$ 467.902 χ^2 /NDF: 13.0/18

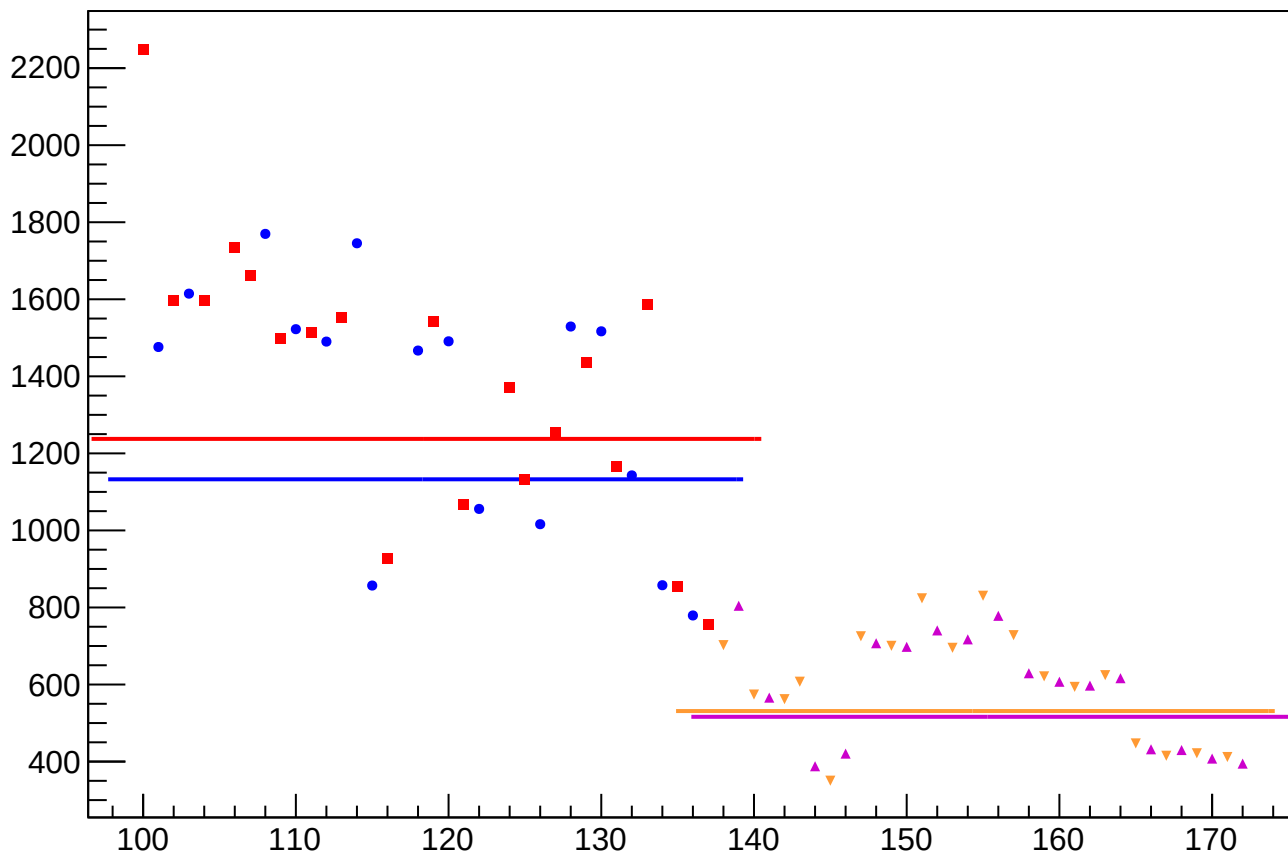
Left In: -20.022 $\pm$ 143.169 χ^2 /NDF: 22.5/16

+ sign -618.443 $\pm$ 138.934 χ^2 /NDF: 73.6/33

All: -346.412 $\pm$ 97.516 χ^2 /NDF: 118.8/69

- sign -82.275 $\pm$ 136.904 χ^2 /NDF: 37.7/35

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

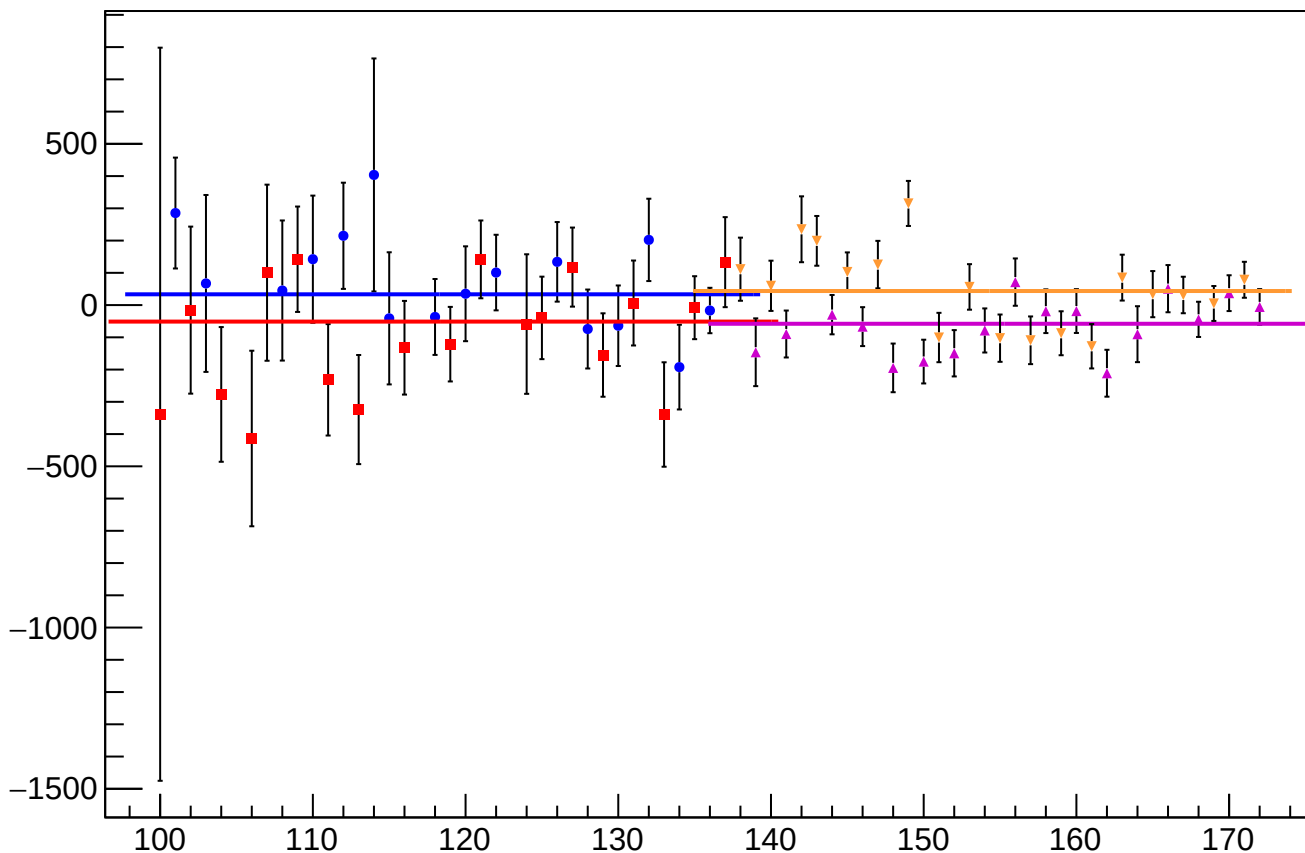
Left In: 516.218+/-0.101 χ^2/NDF : 1763997.9/16

+ sign 590.858+/-0.098 χ^2/NDF : 6380141.5/33

All: 584.321+/-0.069 χ^2/NDF : 13394994.7/69

- sign 577.974+/-0.097 χ^2/NDF : 7006127.3/35

cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 $\pm$ 33.881 χ^2 /NDF: 12.8/15

Left Out: 43.600 $\pm$ 16.375 χ^2 /NDF: 48.4/17

Right Out: -51.188 $\pm$ 34.853 χ^2 /NDF: 19.5/18

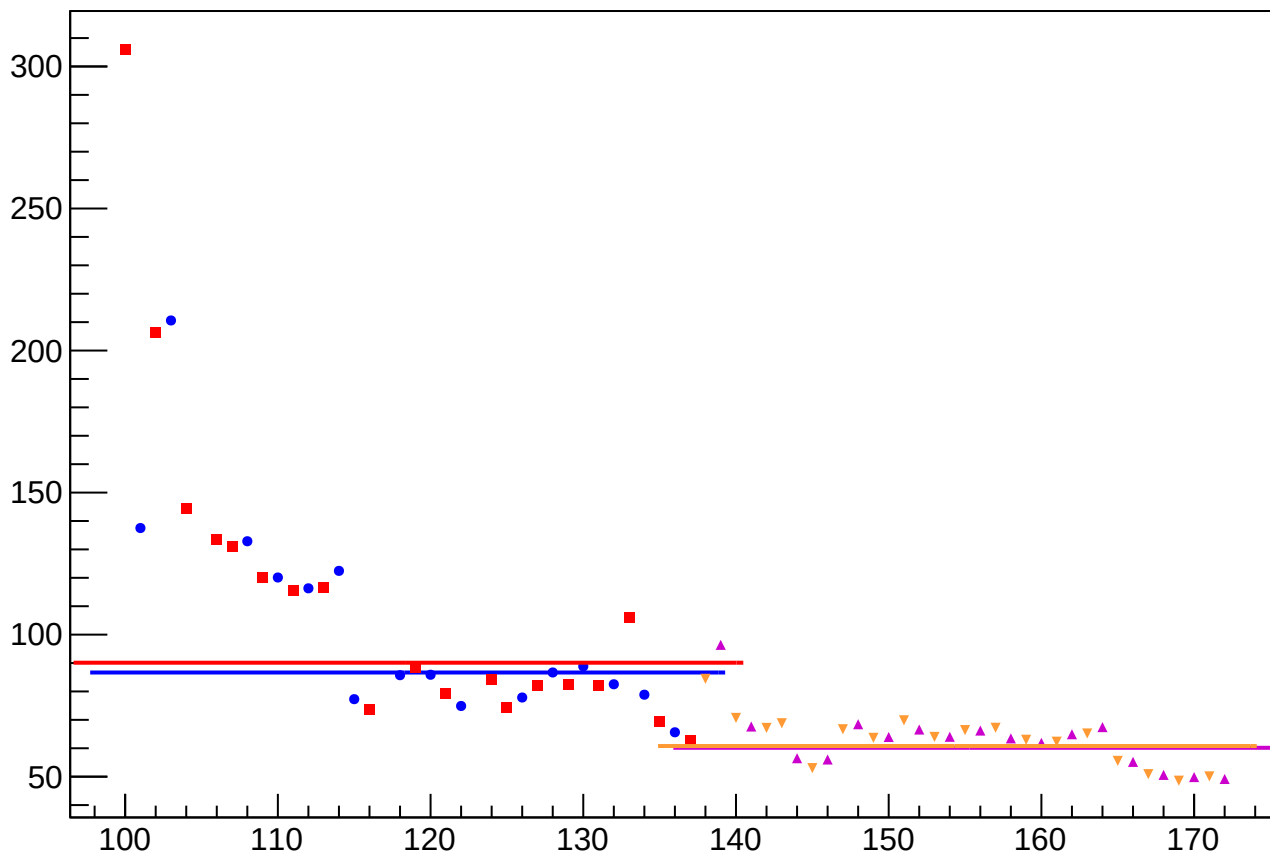
Left In: -57.956 $\pm$ 16.351 χ^2 /NDF: 23.6/16

+ sign 41.673 $\pm$ 14.744 χ^2 /NDF: 61.3/33

All: -7.333 $\pm$ 10.446 χ^2 /NDF: 126.6/69

- sign -56.735 $\pm$ 14.803 χ^2 /NDF: 43.1/35

cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 60.783 $\pm$ 0.012 χ^2 /NDF: 544532.7/17

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

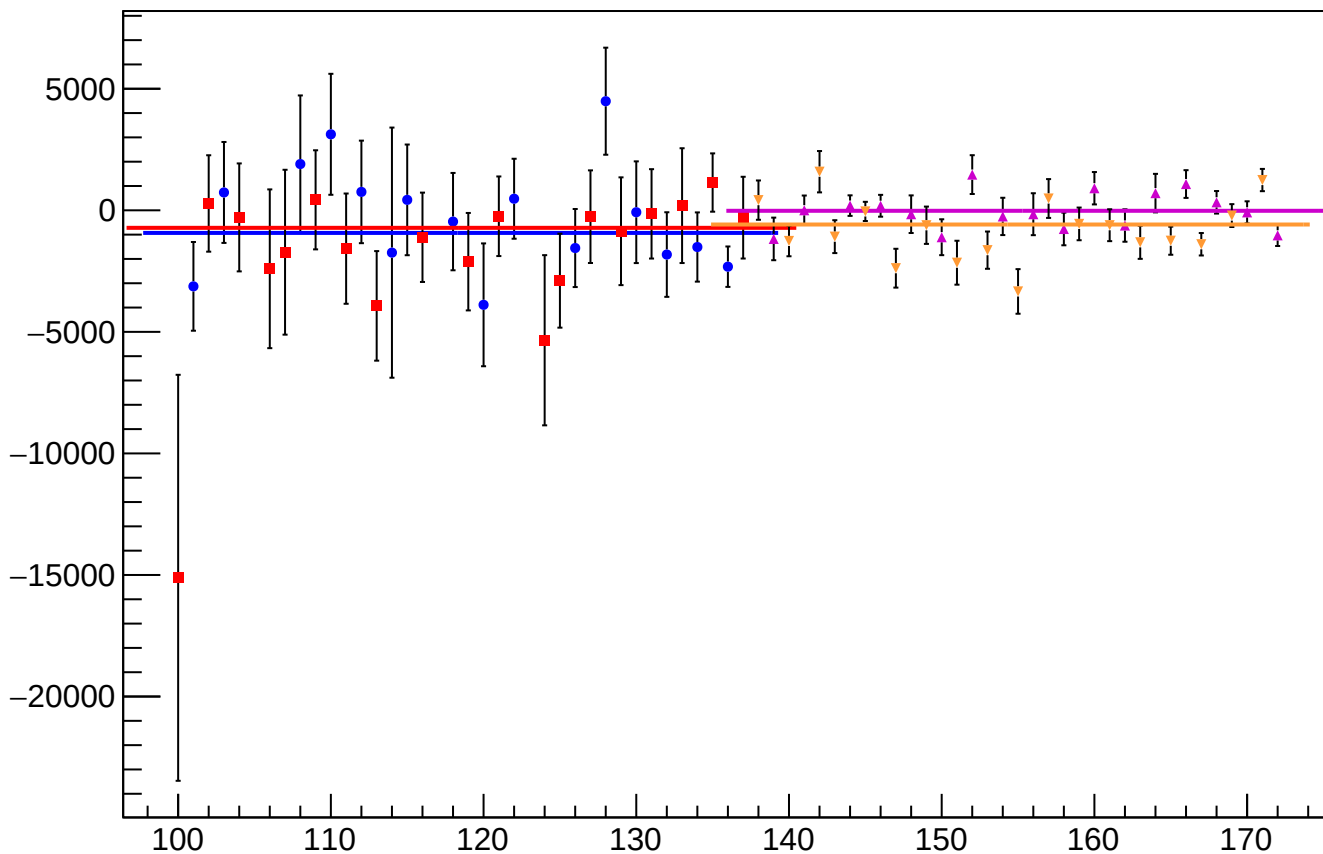
Left In: 60.161 $\pm$ 0.012 χ^2 /NDF: 589150.8/16

+ sign 65.684 $\pm$ 0.010 χ^2 /NDF: 2529576.9/33

All: 65.625 $\pm$ 0.007 χ^2 /NDF: 5474938.8/69

- sign 65.564 $\pm$ 0.010 χ^2 /NDF: 2945296.2/35

asym_sam_3726_avg_cor_correction_mean vs Slug



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

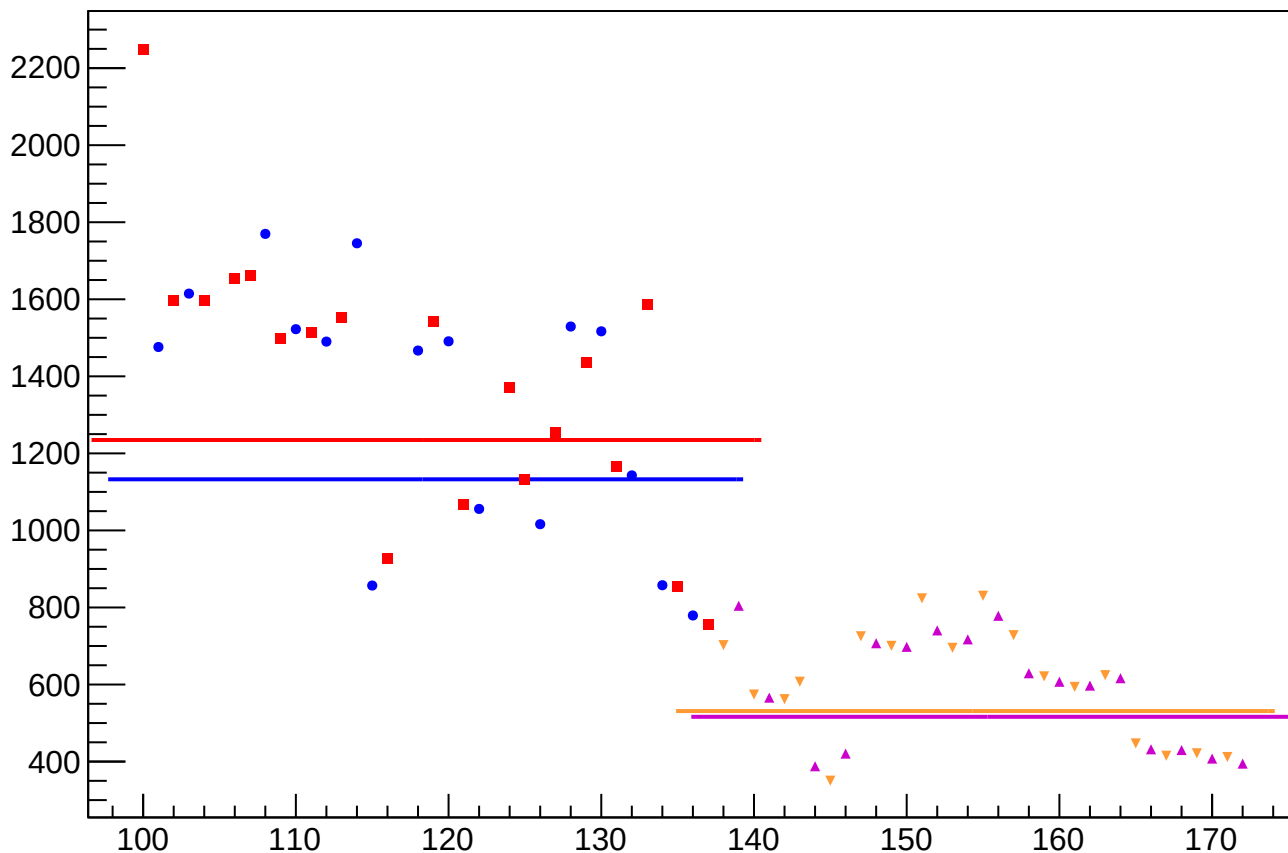
Left In: -20.020 ± 143.169 χ^2/NDF : 22.5/16

+ sign -618.435 ± 138.934 χ^2/NDF : 73.6/33

All: -345.208 ± 97.521 χ^2/NDF : 118.3/69

- sign -79.847 ± 136.920 χ^2/NDF : 37.0/35

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1132.689 $\pm$ 0.312 χ^2 /NDF: 1124187.2/15

Left Out: 531.122 $\pm$ 0.104 χ^2 /NDF:1902403.7/17

Right Out: 1234.709 $\pm$ 0.331 χ^2 /NDF: 876272.4/18

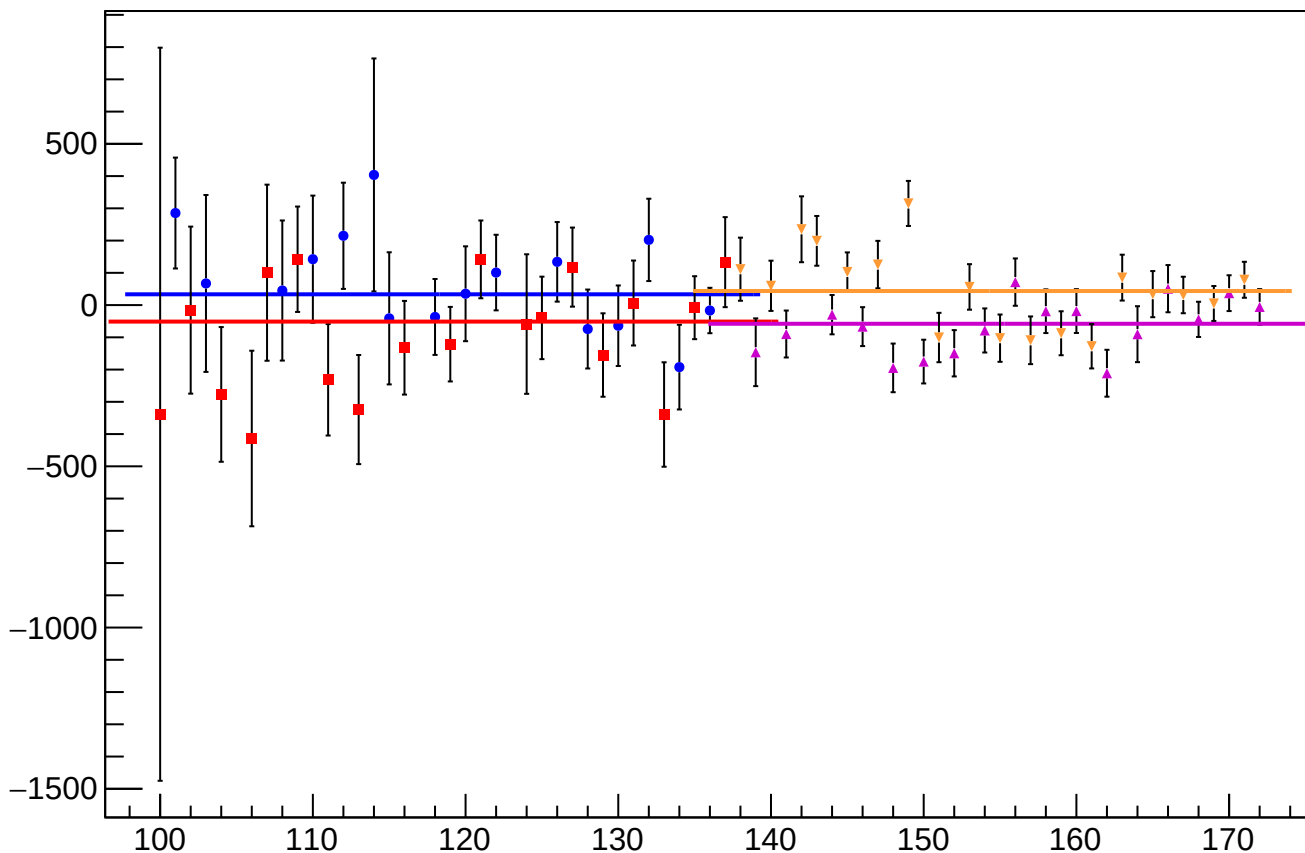
Left In: 516.218 $\pm$ 0.101 χ^2 /NDF:1763997.6/16

+ sign 590.857 $\pm$ 0.098 χ^2 /NDF: 6380183.2/33

All: 584.119 $\pm$ 0.069 χ^2 /NDF: 13331148.2/69

- sign 577.575 $\pm$ 0.097 χ^2 /NDF: 6941691.1/35

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 33.422 $\pm$ 33.881 χ^2/NDF : 12.8/15

Left Out: 43.600 $\pm$ 16.375 χ^2/NDF : 48.4/17

Right Out: -51.188 $\pm$ 34.853 χ^2/NDF : 19.5/18

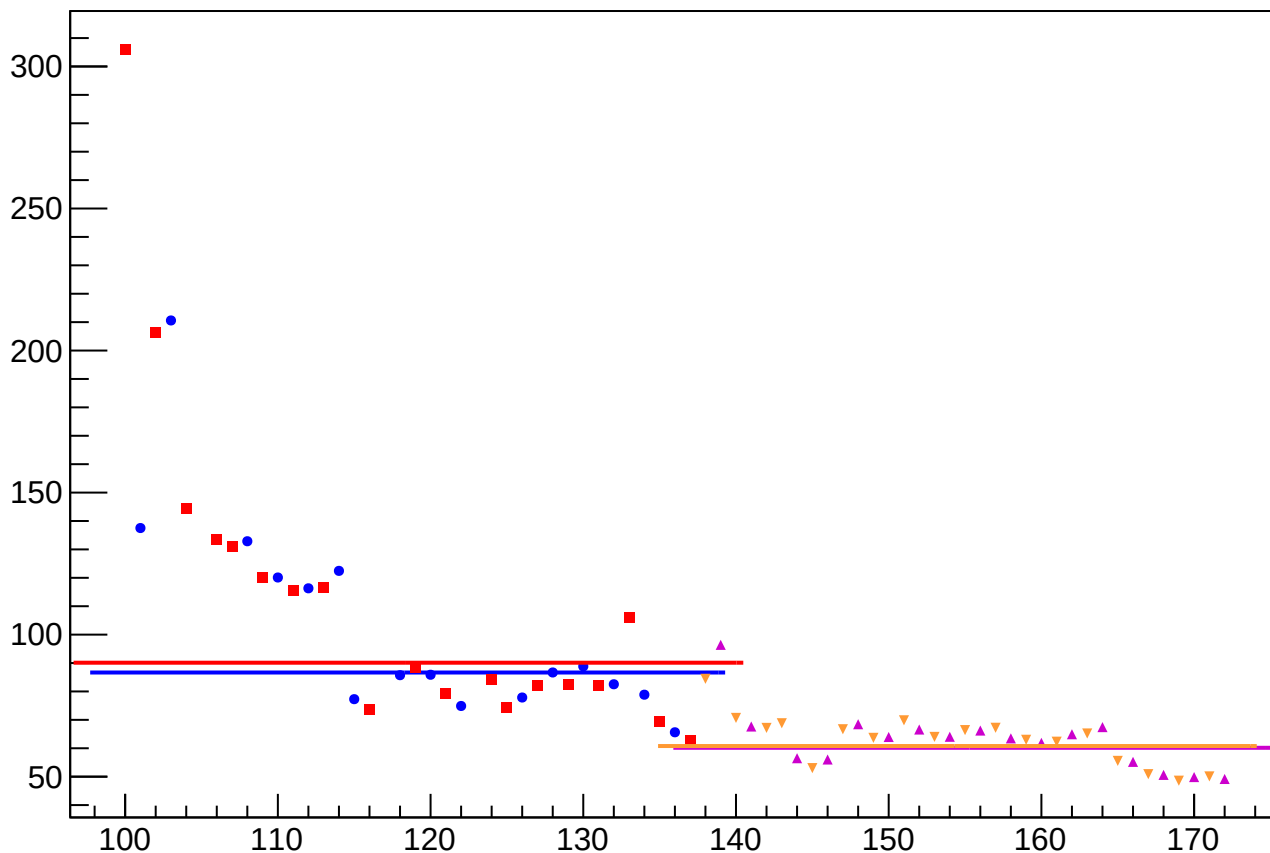
Left In: -57.956 $\pm$ 16.351 χ^2/NDF : 23.6/16

+ sign 41.673 $\pm$ 14.744 χ^2/NDF : 61.3/33

All: -7.333 $\pm$ 10.446 χ^2/NDF : 126.6/69

- sign -56.735 $\pm$ 14.803 χ^2/NDF : 43.1/35

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 86.666 $\pm$ 0.024 χ^2 /NDF: 1038816.2/15

Left Out: 60.783 $\pm$ 0.012 χ^2 /NDF: 544532.7/17

Right Out: 90.116 $\pm$ 0.025 χ^2 /NDF: 1145283.2/18

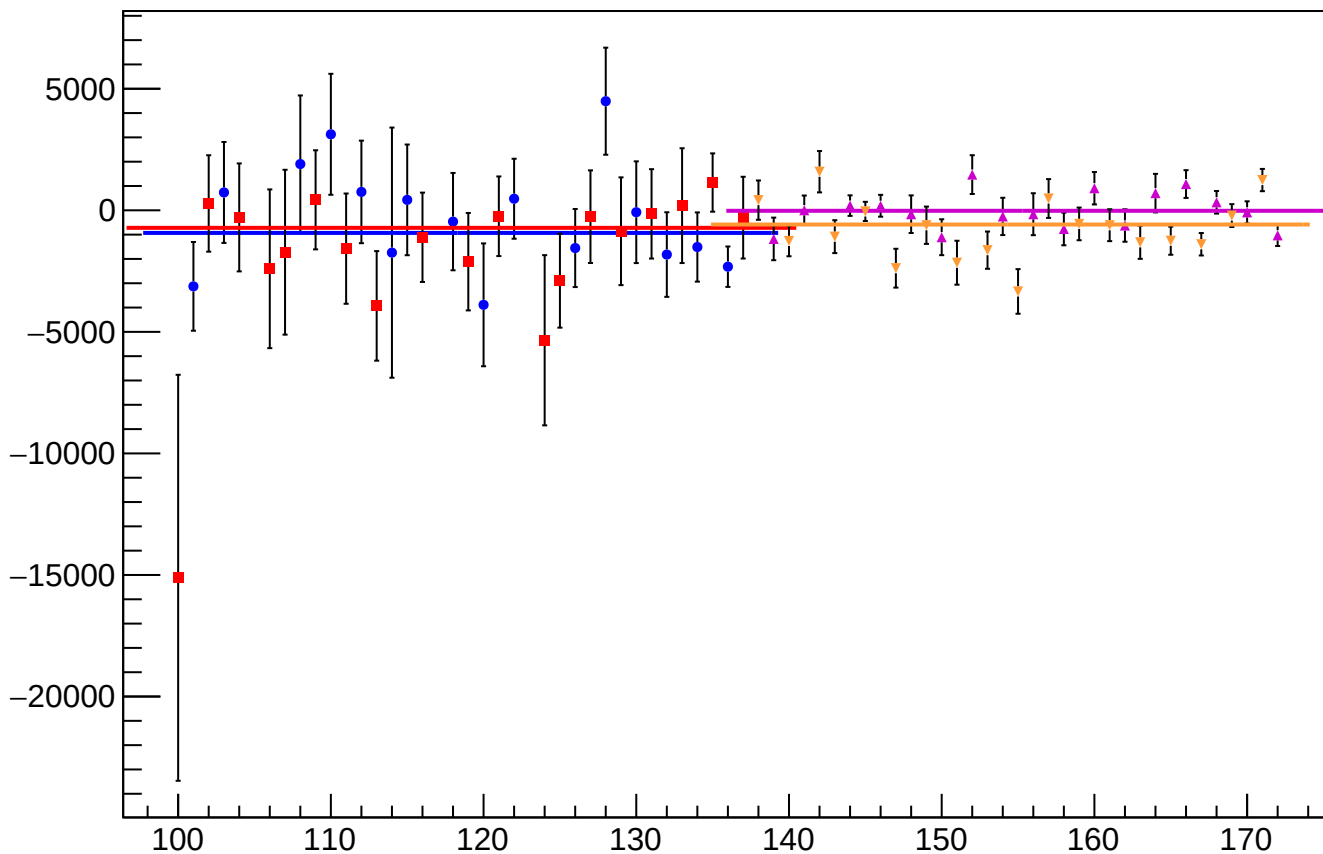
Left In: 60.161 $\pm$ 0.012 χ^2 /NDF: 589150.8/16

+ sign 65.684 $\pm$ 0.010 χ^2 /NDF: 2529576.9/33

All: 65.625 $\pm$ 0.007 χ^2 /NDF: 5474938.8/69

- sign 65.564 $\pm$ 0.010 χ^2 /NDF: 2945296.2/35

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



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

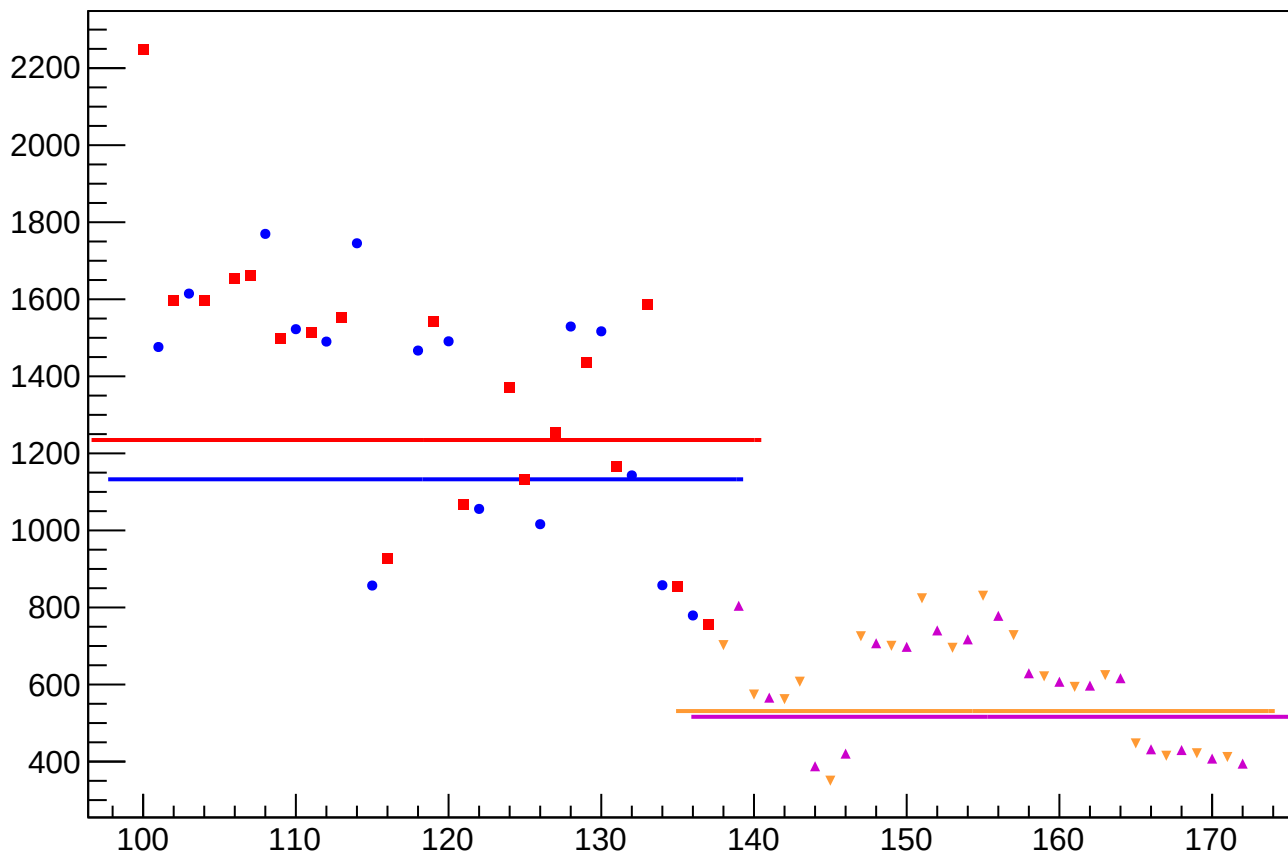
Left In: -20.020+/-143.169 χ^2/NDF : 22.5/16

+ sign -618.435+/-138.934 χ^2/NDF : 73.6/33

All: -345.208+/-97.521 χ^2/NDF : 118.3/69

- sign -79.847+/-136.920 χ^2/NDF : 37.0/35

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1132.689 $\pm$ 0.312 χ^2 /NDF: 1124187.2/15

Left Out: 531.122 $\pm$ 0.104 χ^2 /NDF: 1902403.7/17

Right Out: 1234.709 $\pm$ 0.331 χ^2 /NDF: 876272.4/18

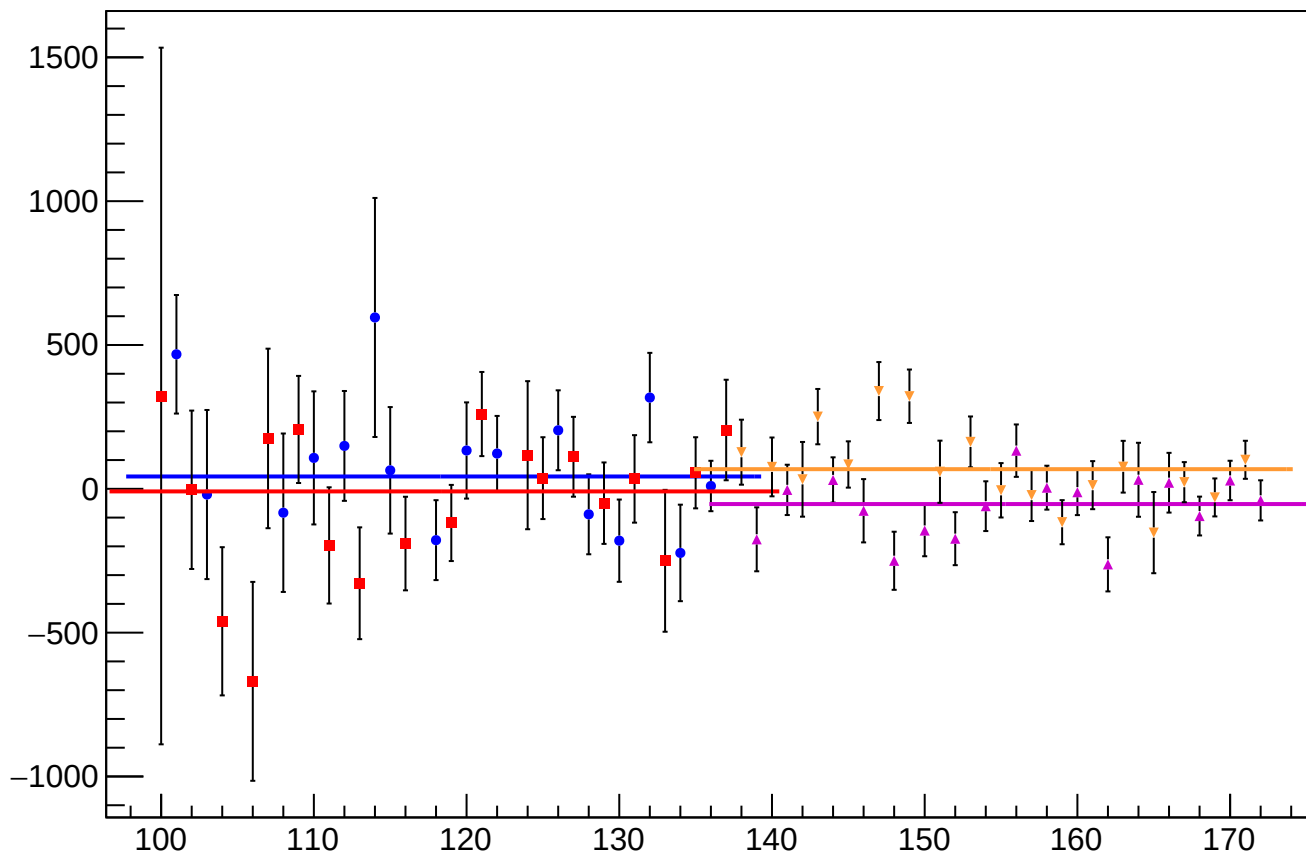
Left In: 516.218 $\pm$ 0.101 χ^2 /NDF: 1763997.6/16

+ sign 590.857 $\pm$ 0.098 χ^2 /NDF: 6380183.2/33

All: 584.119 $\pm$ 0.069 χ^2 /NDF: 13331148.2/69

- sign 577.575 $\pm$ 0.097 χ^2 /NDF: 6941691.1/35

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 ± 39.948 $\chi^2/\text{NDF}: 20.3/15$

Left Out: 68.303 ± 20.805 $\chi^2/\text{NDF}: 33.0/17$

Right Out: -8.989 ± 41.060 $\chi^2/\text{NDF}: 21.3/18$

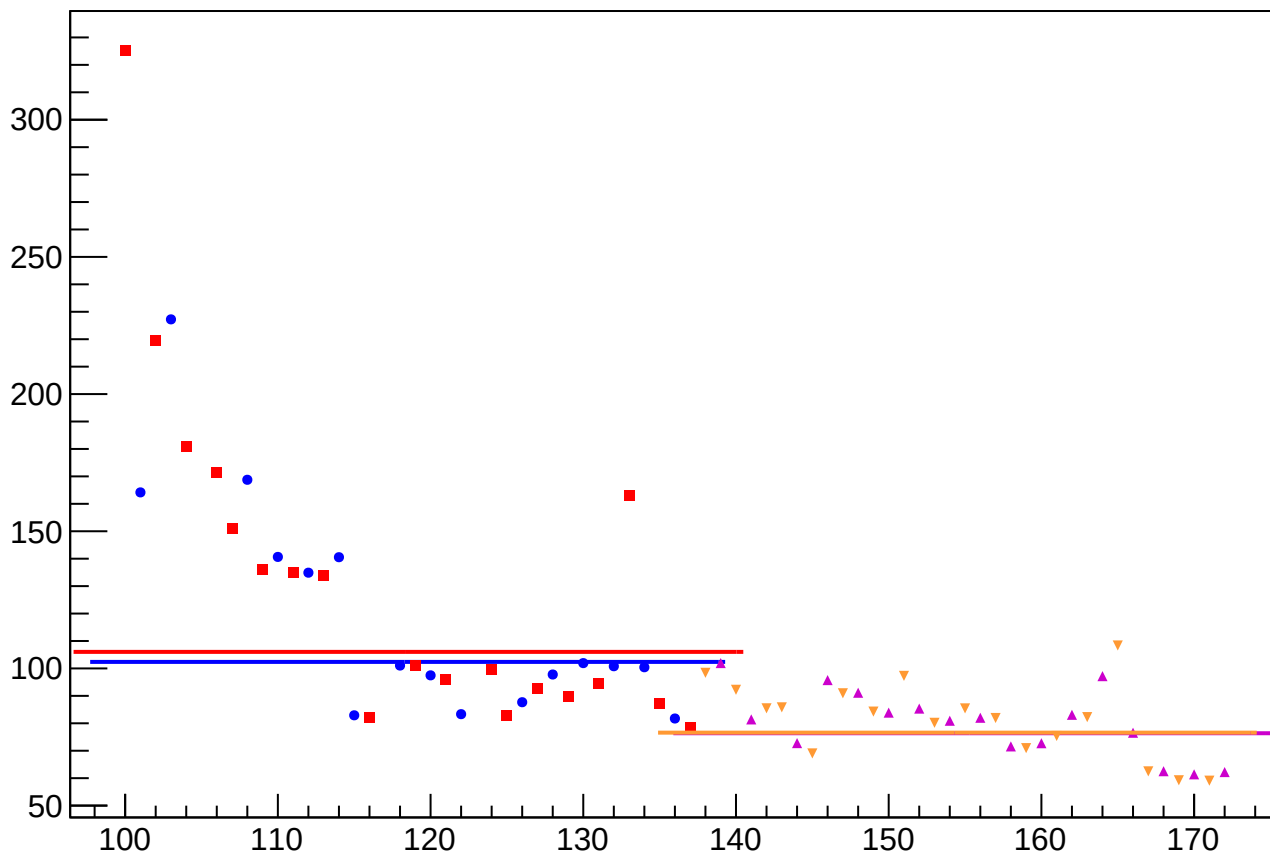
Left In: -52.973 ± 20.923 $\chi^2/\text{NDF}: 22.0/16$

+ sign 62.885 ± 18.453 $\chi^2/\text{NDF}: 53.7/33$

All: 10.034 ± 13.114 $\chi^2/\text{NDF}: 114.5/69$

- sign -43.906 ± 18.642 $\chi^2/\text{NDF}: 44.3/35$

dit_asym_sam_3726_avg_rms vs Slug



Right In: 102.378 $\pm$ 0.028 χ^2 /NDF: 982311.5/15

Left Out: 76.595 $\pm$ 0.015 χ^2 /NDF: 802986.8/17

Right Out: 106.032 $\pm$ 0.029 χ^2 /NDF: 1191294.0/18

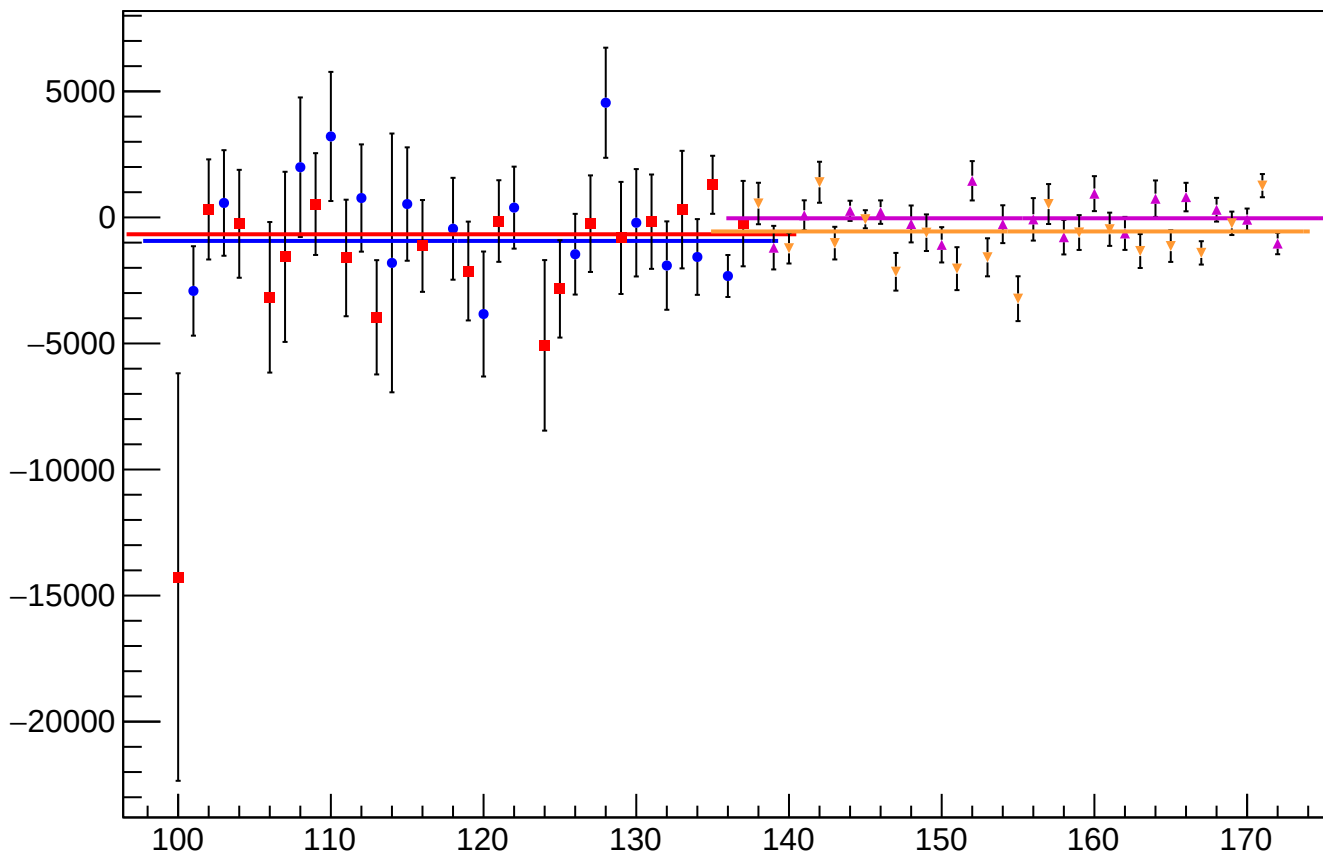
Left In: 76.376 $\pm$ 0.015 χ^2 /NDF: 604257.4/16

+ sign 82.096 $\pm$ 0.013 χ^2 /NDF: 2440691.2/33

All: 82.291 $\pm$ 0.009 χ^2 /NDF: 5064968.0/69

- sign 82.489 $\pm$ 0.013 χ^2 /NDF: 2623827.5/35

asym_sam_3726_avg_dit_correction_mean vs Slug



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

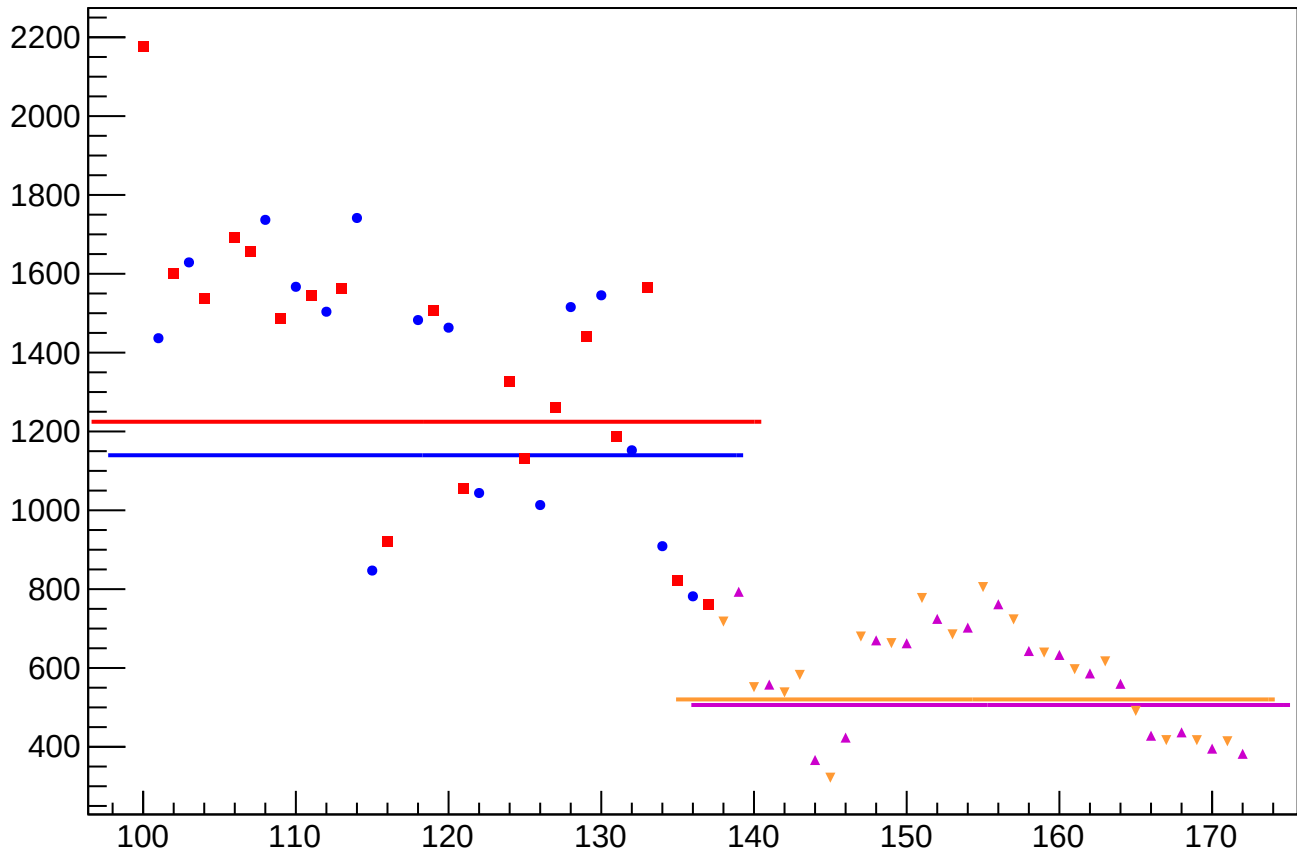
Left In: -33.819 ± 140.631 χ^2/NDF : 22.2/16

+ sign -592.065 ± 136.313 χ^2/NDF : 72.2/33

All: -336.471 ± 95.764 χ^2/NDF : 116.6/69

- sign -87.384 ± 134.566 χ^2/NDF : 37.4/35

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1139.658 $\pm$ 0.313 χ^2 /NDF: 1093410.3/15

Left Out: 520.239 $\pm$ 0.101 χ^2 /NDF: 1971452.1/17

Right Out: 1224.637 $\pm$ 0.328 χ^2 /NDF: 922388.4/18

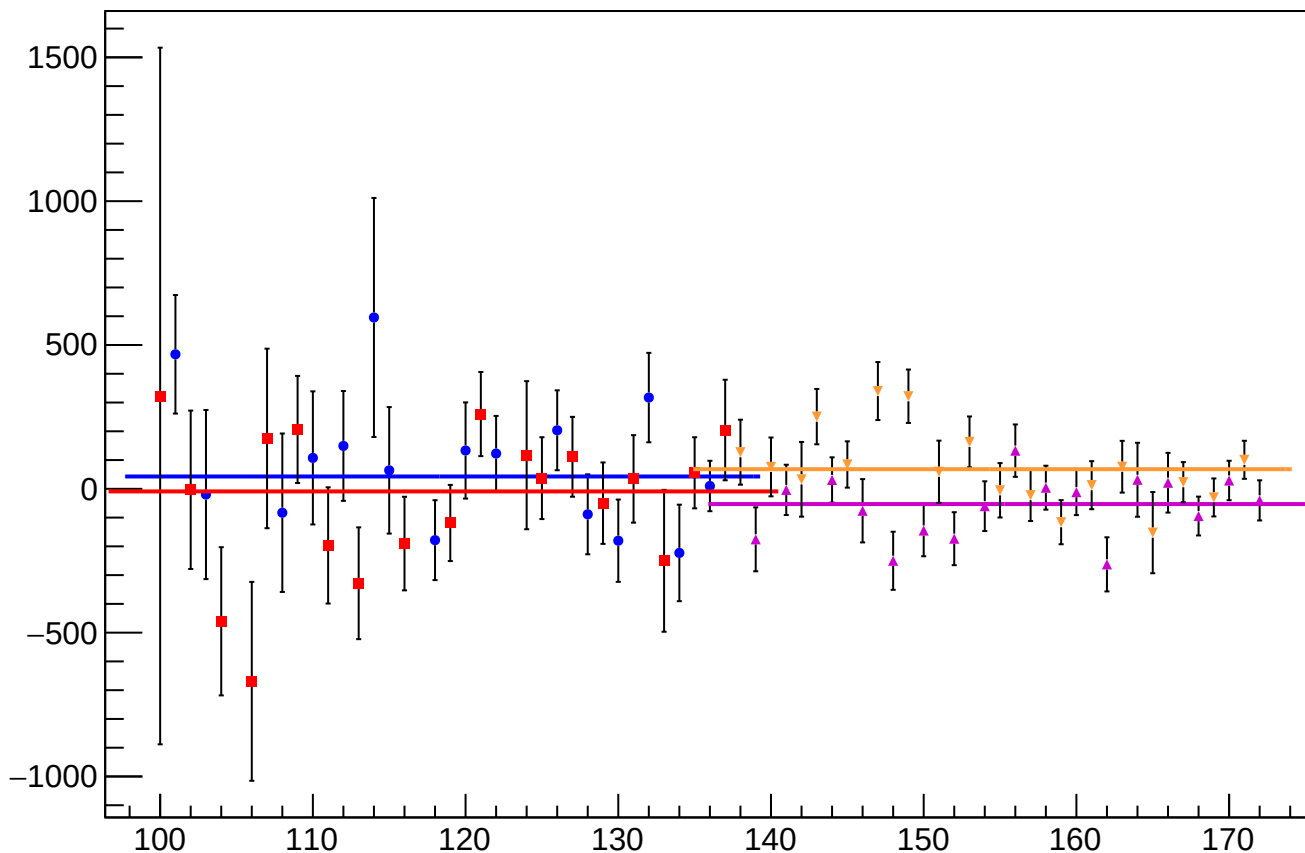
Left In: 506.134 $\pm$ 0.099 χ^2 /NDF: 1786218.0/16

+ sign 578.960 $\pm$ 0.096 χ^2 /NDF: 6608721.9/33

All: 572.787 $\pm$ 0.068 χ^2 /NDF: 13731322.3/69

- sign 566.772 $\pm$ 0.095 χ^2 /NDF: 7114503.2/35

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.914 ± 39.948 $\chi^2/\text{NDF}: 20.3/15$

Left Out: 68.302 ± 20.805 $\chi^2/\text{NDF}: 33.0/17$

Right Out: -8.986 ± 41.060 $\chi^2/\text{NDF}: 21.3/18$

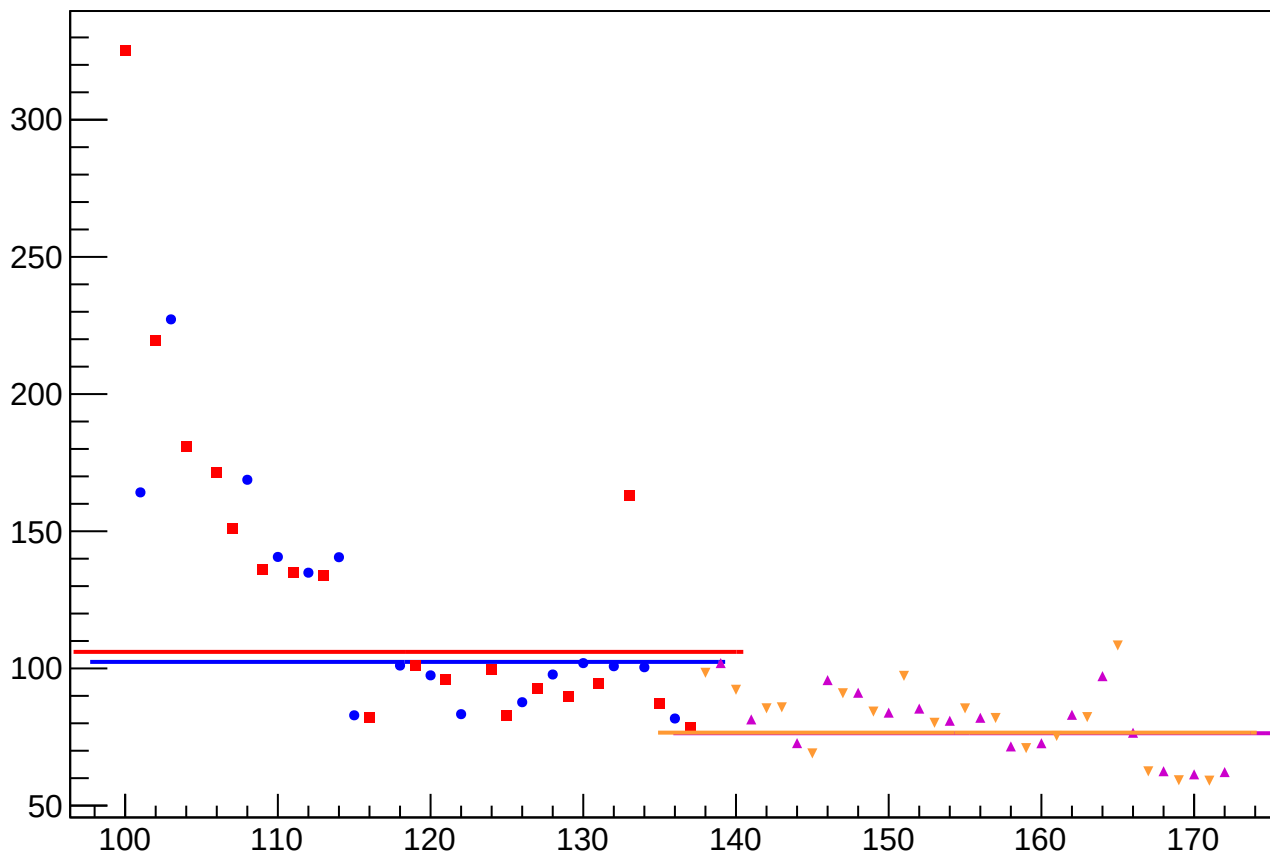
Left In: -52.971 ± 20.923 $\chi^2/\text{NDF}: 22.0/16$

+ sign 62.885 ± 18.453 $\chi^2/\text{NDF}: 53.7/33$

All: 10.035 ± 13.114 $\chi^2/\text{NDF}: 114.5/69$

- sign -43.904 ± 18.642 $\chi^2/\text{NDF}: 44.3/35$

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

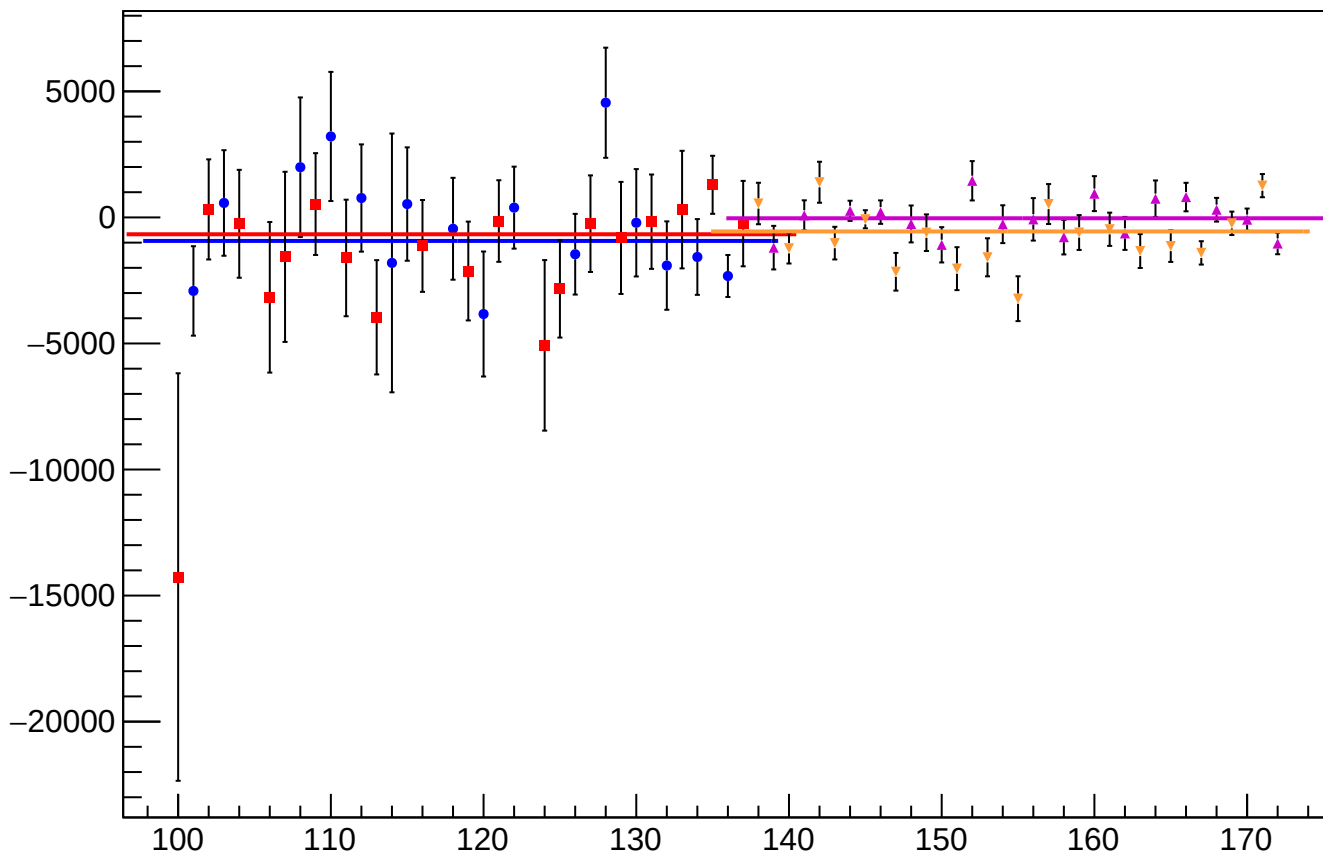
Left In: 76.377+/-0.015 χ^2/NDF : 604253.9/16

+ sign 82.097+/-0.013 χ^2/NDF : 2440653.7/33

All: 82.291+/-0.009 χ^2/NDF : 5064906.9/69

- sign 82.490+/-0.013 χ^2/NDF : 2623803.8/35

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



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

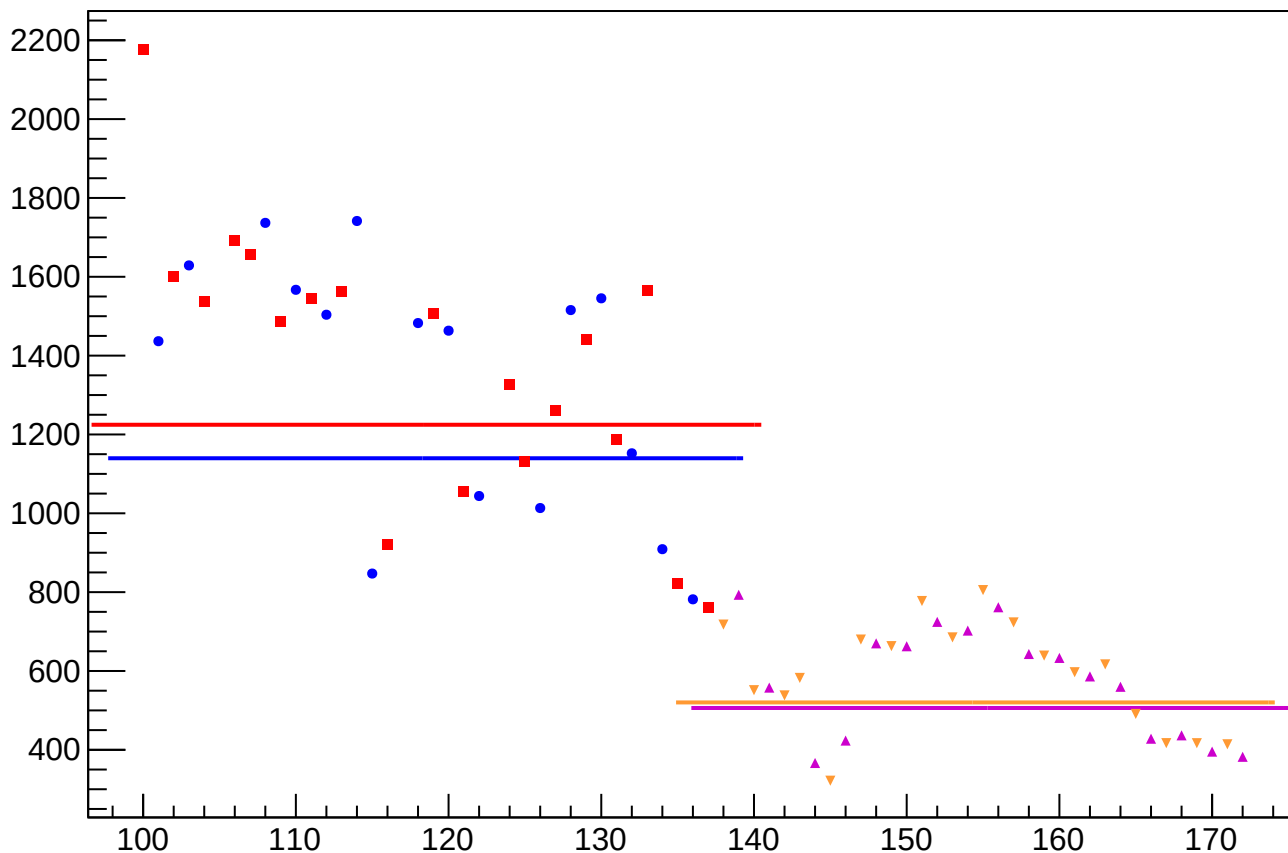
Left In: -33.818 ± 140.631 χ^2/NDF : 22.2/16

+ sign -592.064 ± 136.313 χ^2/NDF : 72.2/33

All: -336.470 ± 95.764 χ^2/NDF : 116.6/69

- sign -87.383 ± 134.566 χ^2/NDF : 37.4/35

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.656 $\pm$ 0.313 χ^2 /NDF: 1093397.5/15

Left Out: 520.237 $\pm$ 0.101 χ^2 /NDF: 1971471.4/17

Right Out: 1224.635 $\pm$ 0.328 χ^2 /NDF: 922378.0/18

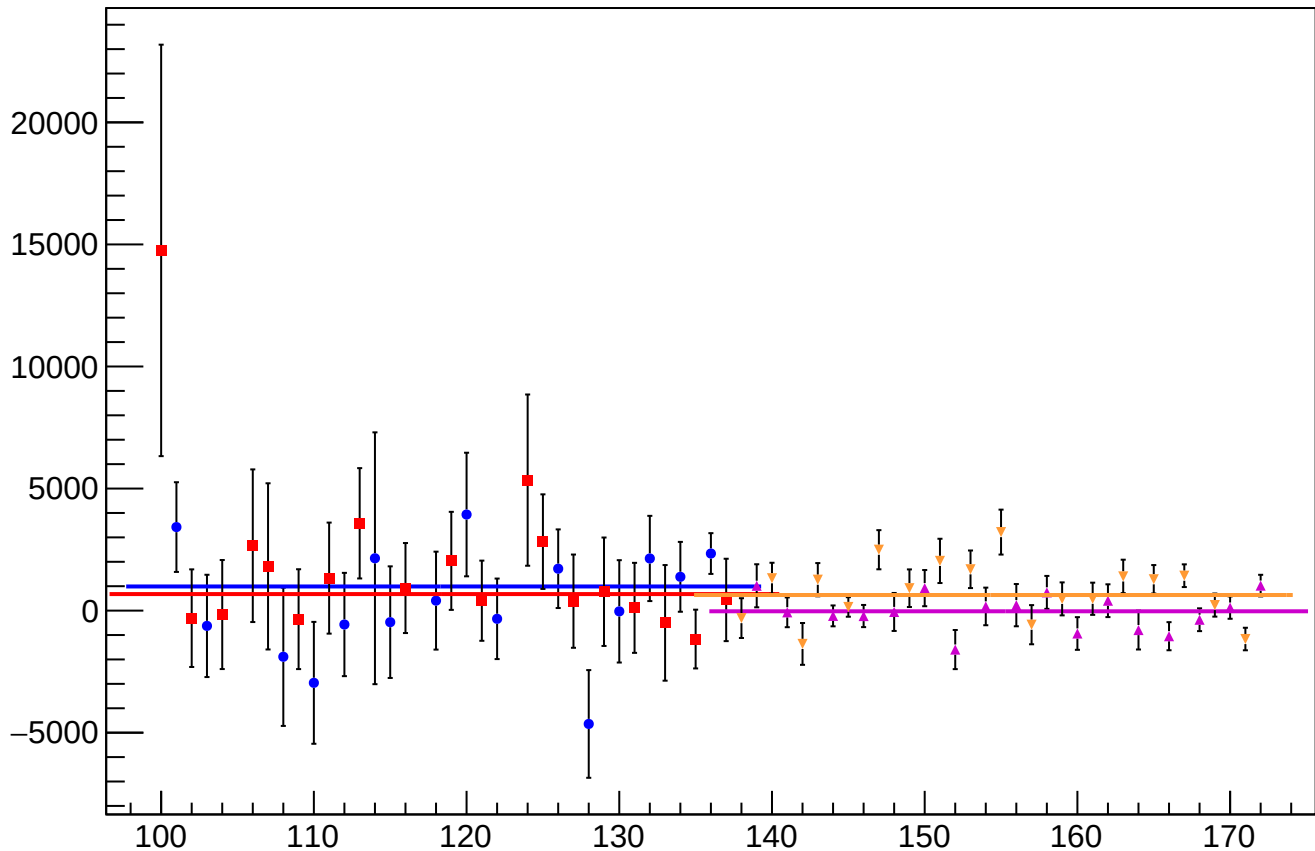
Left In: 506.134 $\pm$ 0.099 χ^2 /NDF: 1786220.0/16

+ sign 578.958 $\pm$ 0.096 χ^2 /NDF: 6608738.0/33

All: 572.786 $\pm$ 0.068 χ^2 /NDF: 13731328.1/69

- sign 566.771 $\pm$ 0.095 χ^2 /NDF: 7114493.7/35

asym_sam_3726_avg_mean vs Slug



Right In: 989.322 $\pm$ 442.634 χ^2 /NDF: 19.0/15

Left Out: 639.299 $\pm$ 147.443 χ^2 /NDF: 51.7/17

Right Out: 677.628 $\pm$ 469.652 χ^2 /NDF: 11.9/18

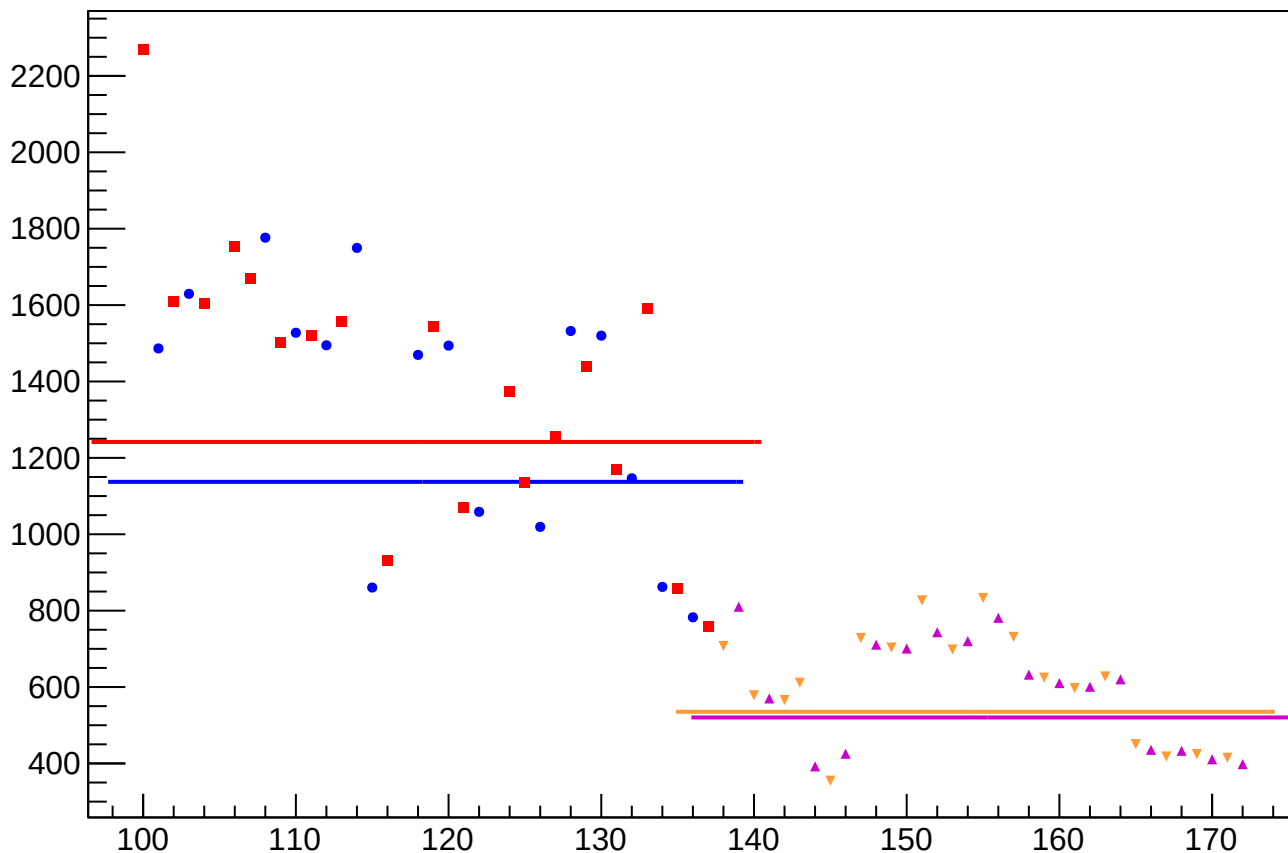
Left In: -27.268 $\pm$ 144.252 χ^2 /NDF: 21.4/16

+ sign 674.258 $\pm$ 139.887 χ^2 /NDF: 71.3/33

All: 349.283 $\pm$ 98.203 χ^2 /NDF: 117.3/69

- sign 33.499 $\pm$ 137.894 χ^2 /NDF: 35.3/35

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

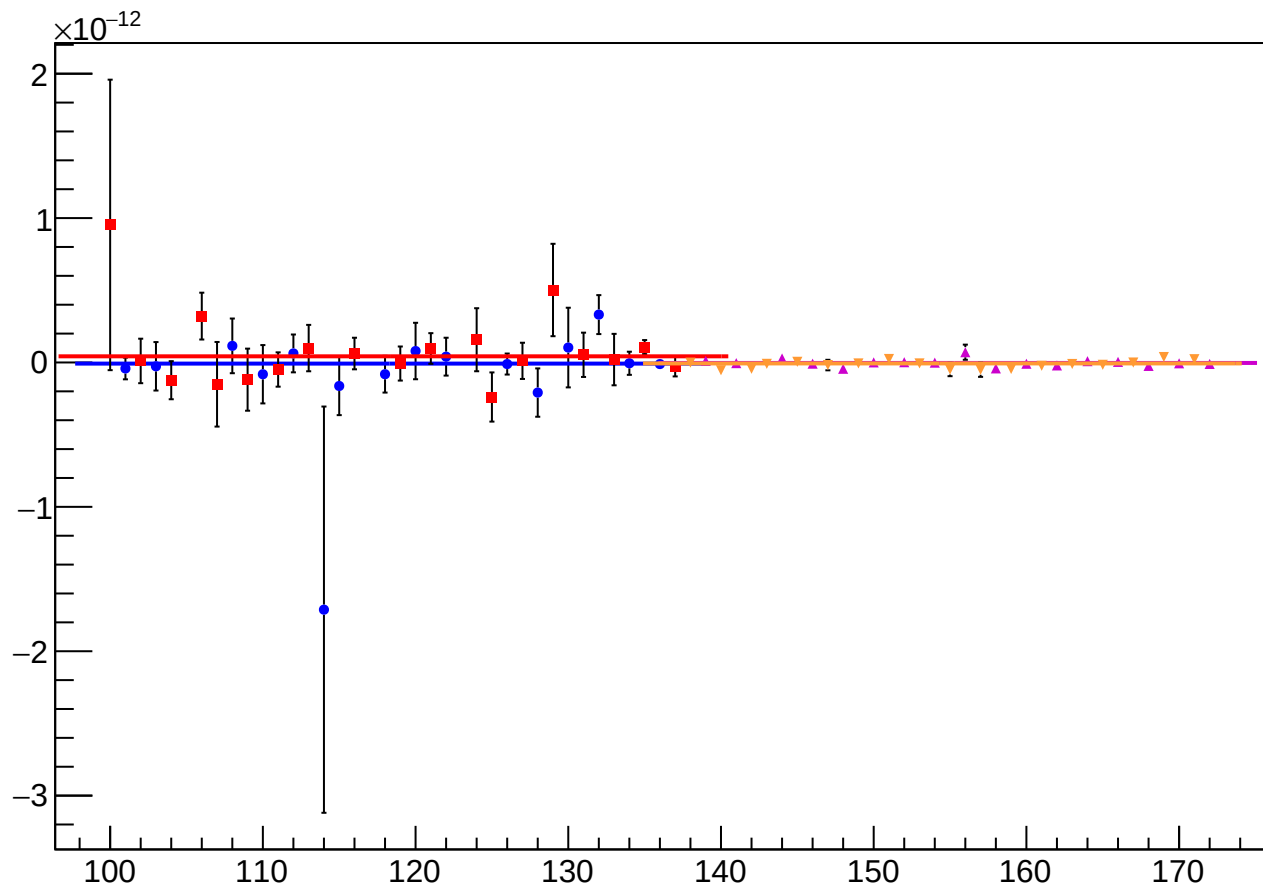
Left In: 520.387+/-0.102 χ^2/NDF : 1738306.7/16

+ sign 595.343+/-0.099 χ^2/NDF : 6327331.6/33

All: 588.865+/-0.069 χ^2/NDF : 13284580.3/69

- sign 582.570+/-0.098 χ^2/NDF : 6948791.3/35

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



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

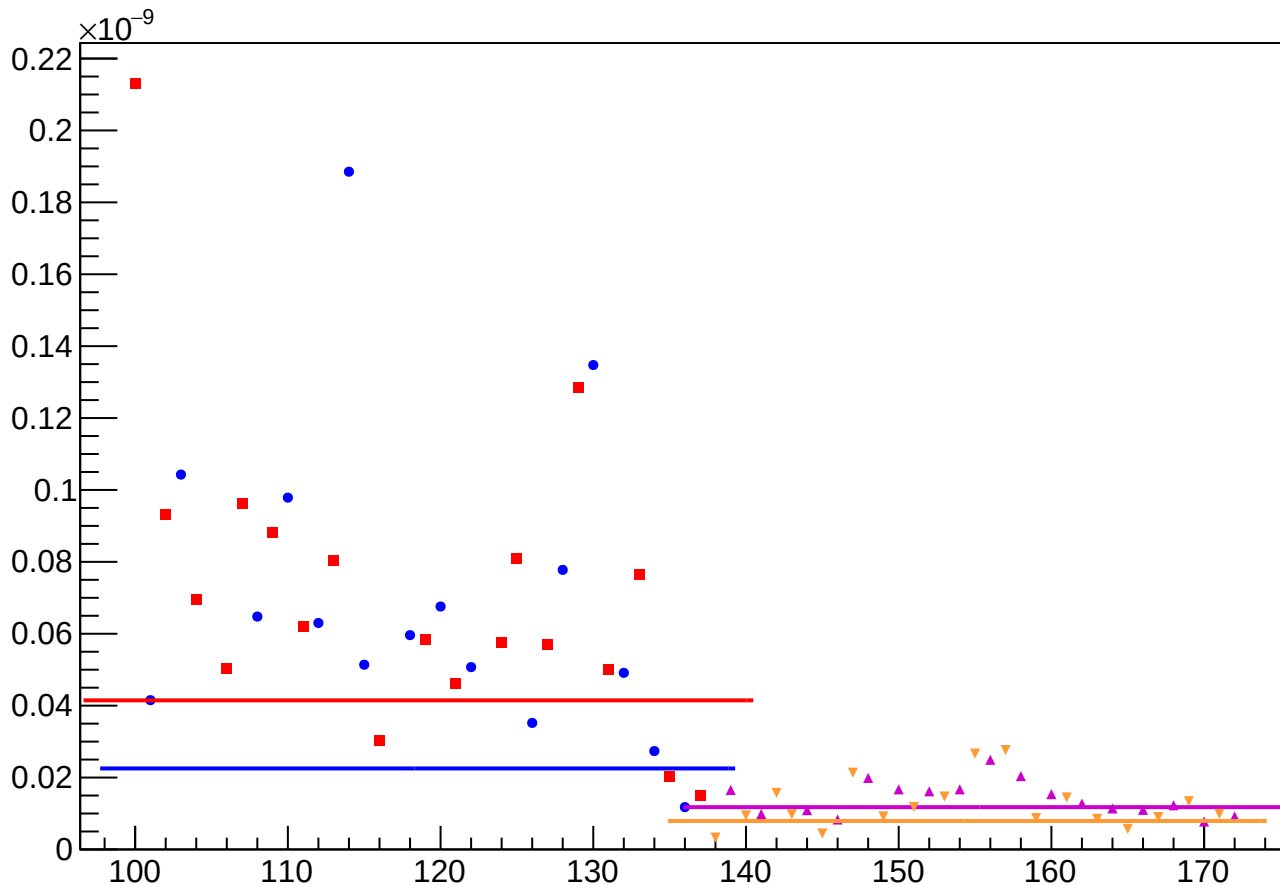
Left In: -0.000 ± 0.000 χ^2/NDF : 10.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 37.2/33

All: -0.000 ± 0.000 χ^2/NDF : 66.7/69

- sign -0.000 ± 0.000 χ^2/NDF : 28.9/35

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

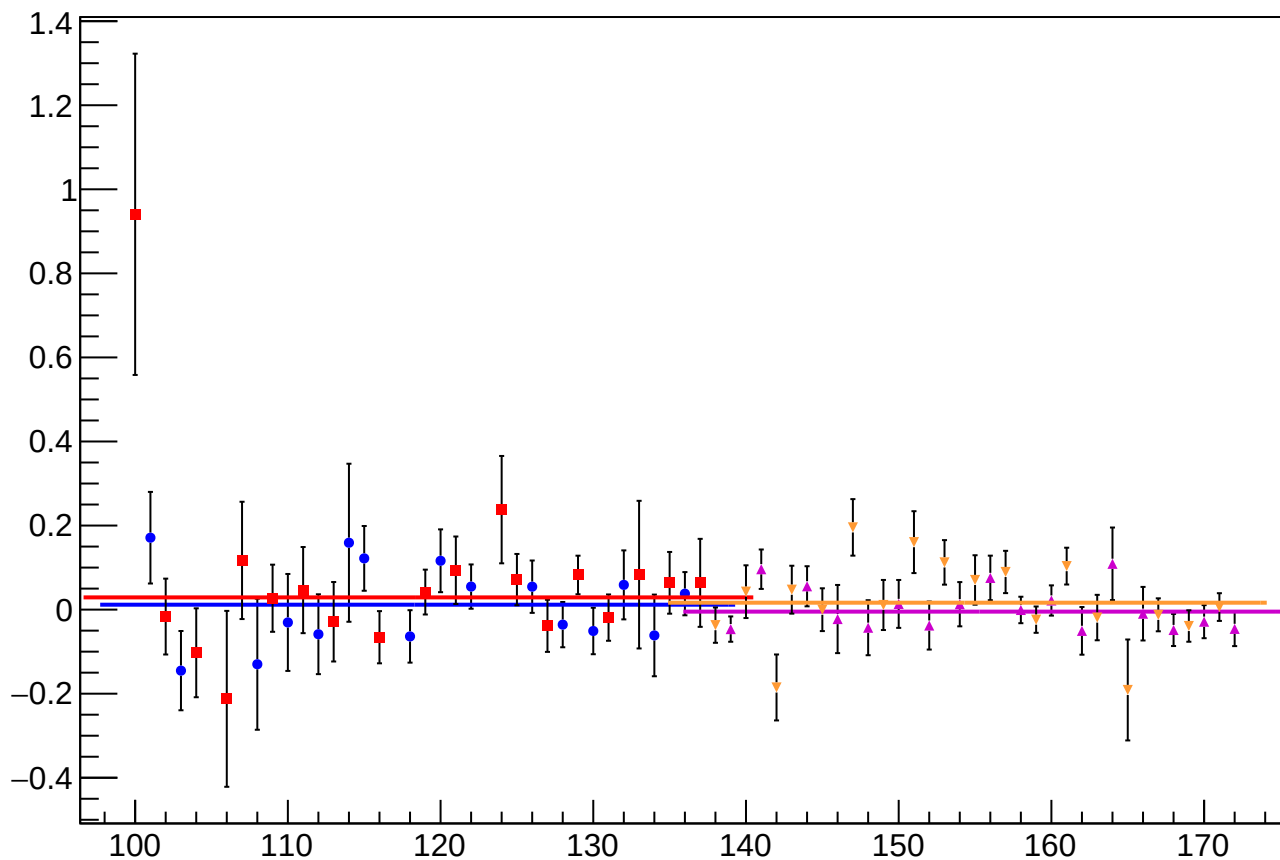
Left In: 0.000+/-0.000 χ^2/NDF : 951663.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 6522852.6/33

All: 0.000+/-0.000 χ^2/NDF : 12439007.2/69

- sign 0.000+/-0.000 χ^2/NDF : 5114575.5/35

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

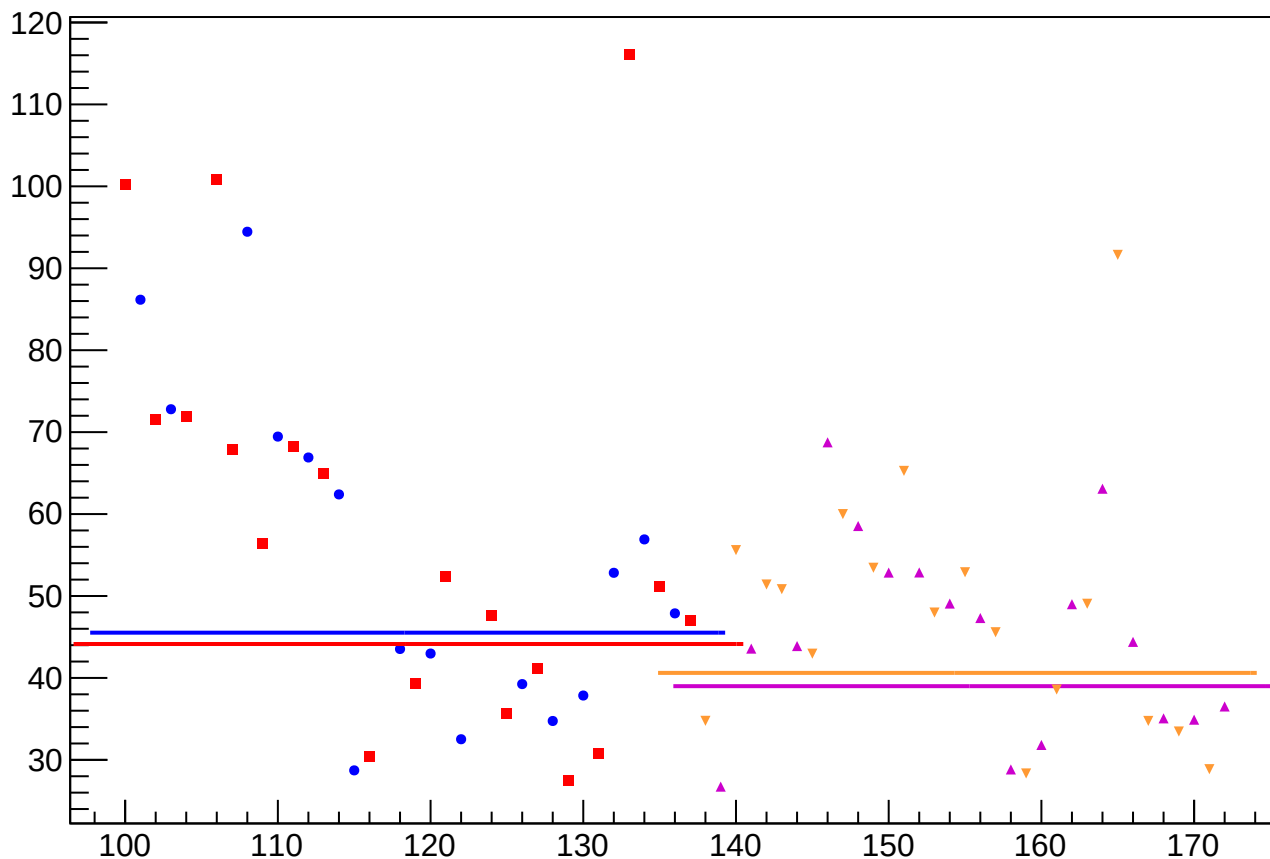
Left In: -0.005 ± 0.011 χ^2/NDF : 17.0/16

+ sign 0.015 ± 0.010 χ^2/NDF : 54.7/33

All: 0.010 ± 0.007 χ^2/NDF : 94.5/69

- sign 0.005 ± 0.009 χ^2/NDF : 39.1/35

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2 /NDF: 1253967.4/15

Left Out: 40.616 $\pm$ 0.008 χ^2 /NDF:1981178.6/17

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743430.9/18

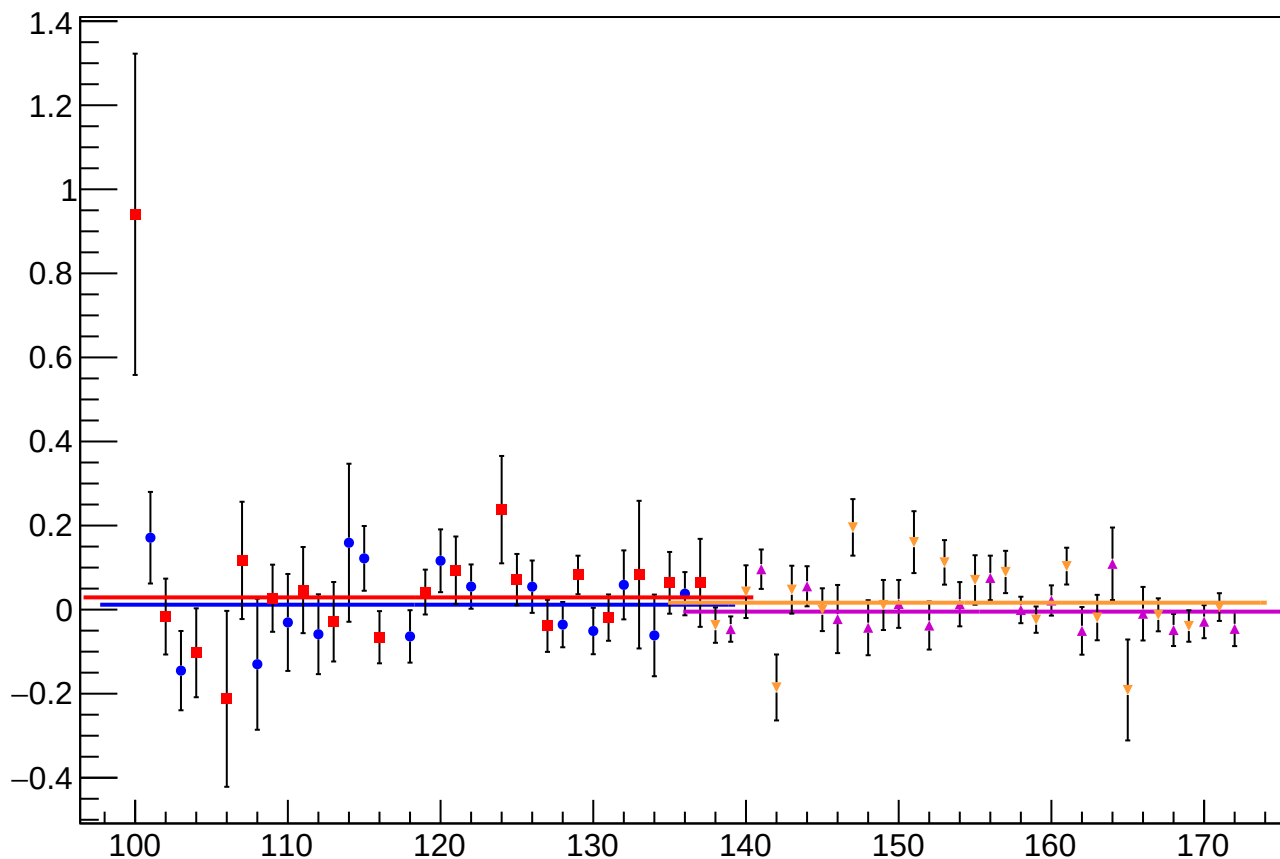
Left In: 38.995 $\pm$ 0.008 χ^2 /NDF:1749099.8/16

+ sign 41.993 $\pm$ 0.007 χ^2 /NDF: 3338479.6/33

All: 41.188 $\pm$ 0.005 χ^2 /NDF: 6977373.7/69

- sign 40.426 $\pm$ 0.007 χ^2 /NDF: 3612086.9/35

asym_sam_3726_avg_dit_vs_eigen_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

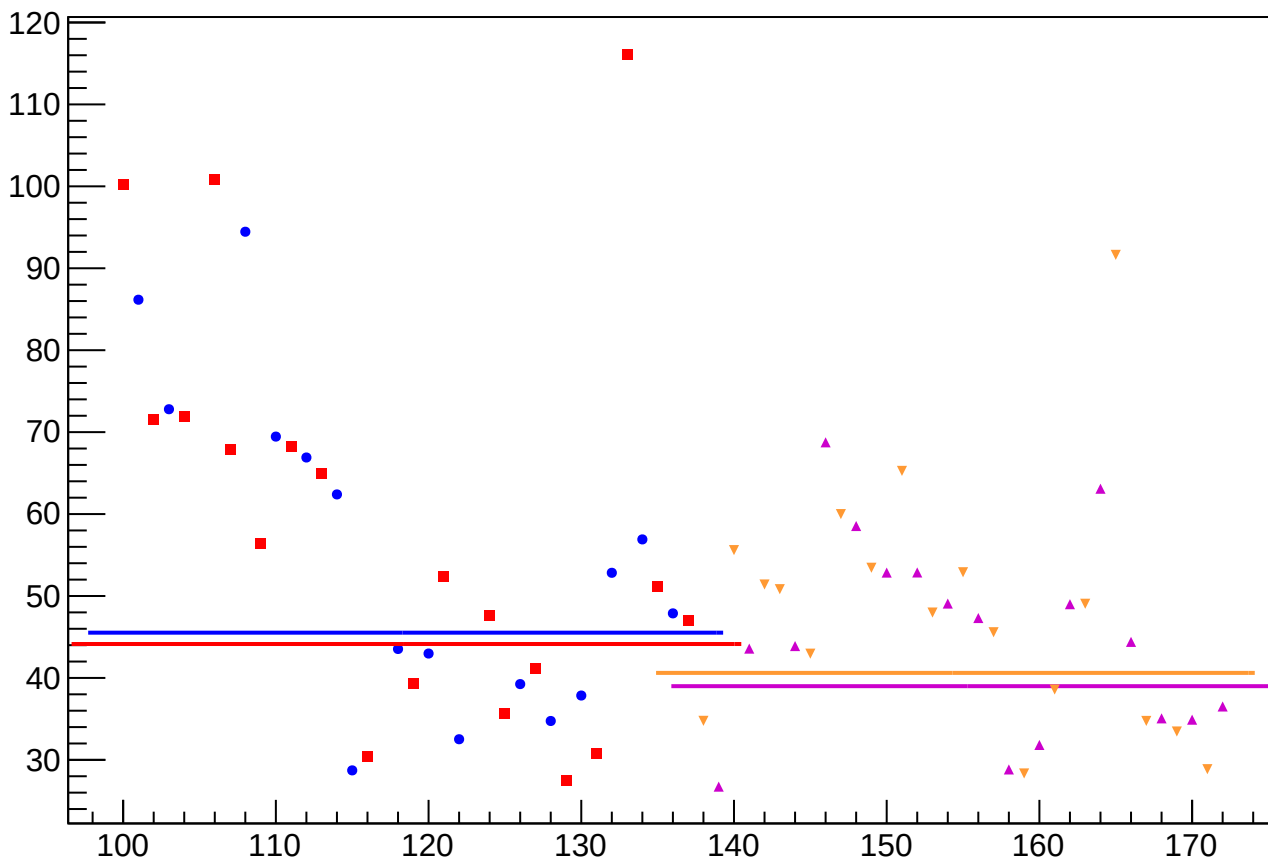
Left In: -0.005 ± 0.011 χ^2/NDF : 17.0/16

+ sign 0.015 ± 0.010 χ^2/NDF : 54.7/33

All: 0.010 ± 0.007 χ^2/NDF : 94.5/69

- sign 0.005 ± 0.009 χ^2/NDF : 39.1/35

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2 /NDF: 1253967.4/15

Left Out: 40.616 $\pm$ 0.008 χ^2 /NDF:1981178.6/17

Right Out: 44.141 $\pm$ 0.013 χ^2 /NDF: 1743430.9/18

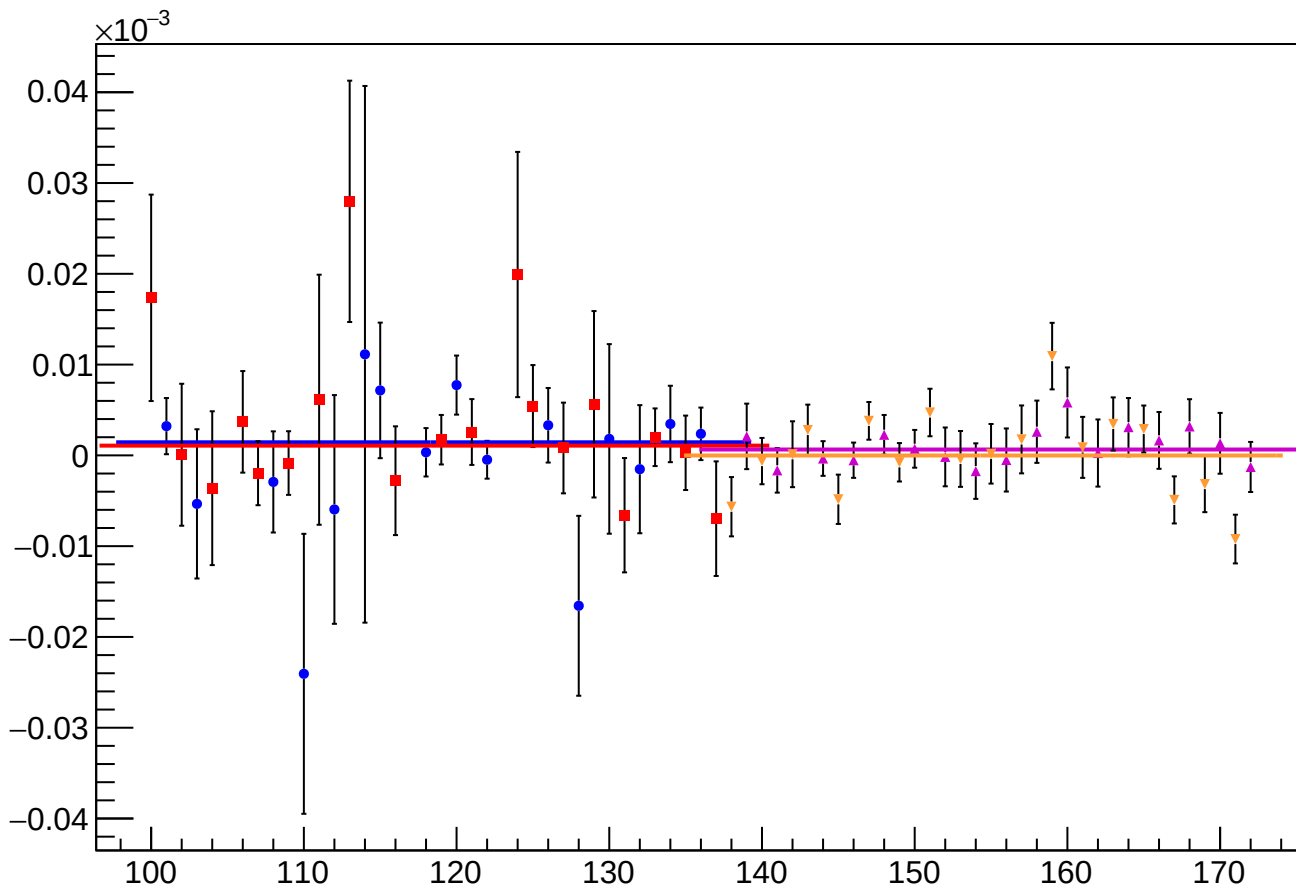
Left In: 38.995 $\pm$ 0.008 χ^2 /NDF:1749099.8/16

+ sign 41.993 $\pm$ 0.007 χ^2 /NDF: 3338479.6/33

All: 41.188 $\pm$ 0.005 χ^2 /NDF: 6977373.7/69

- sign 40.426 $\pm$ 0.007 χ^2 /NDF: 3612086.9/35

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:42.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/18

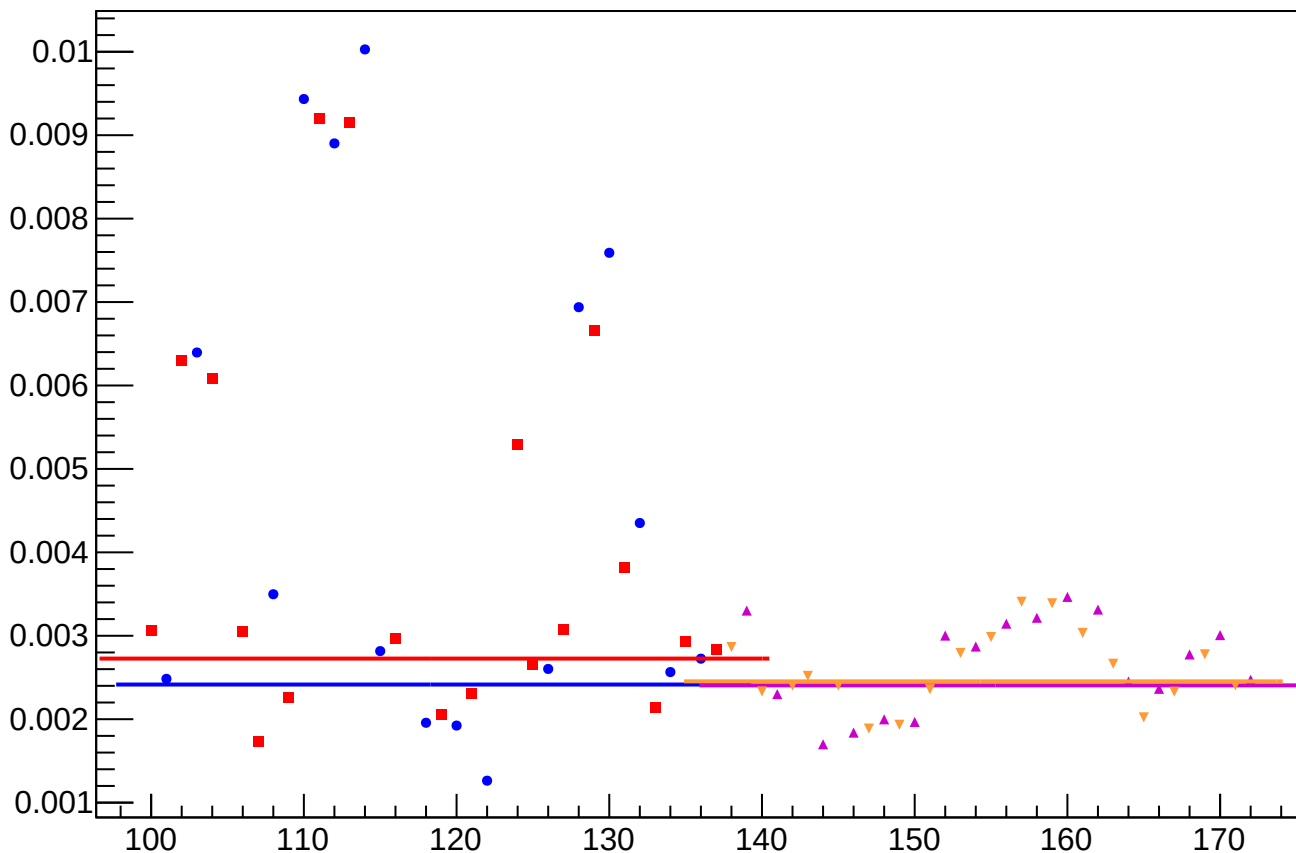
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:7.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 57.8/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 80.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/35

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3432108.8/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:800613.9/17

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2505080.1/18

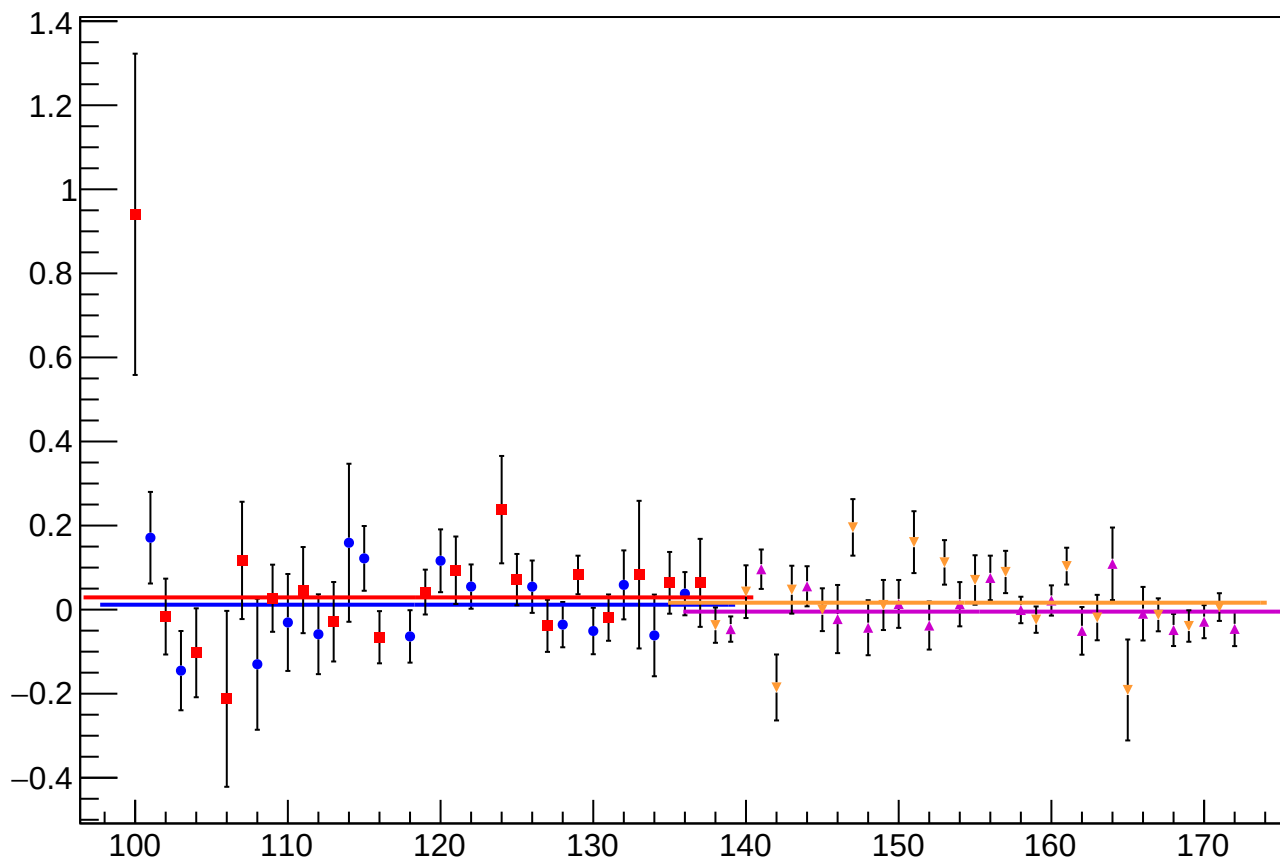
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1414171.4/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4234614.8/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8281854.7/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4040539.8/35

asym_sam_3726_avg_eigen_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

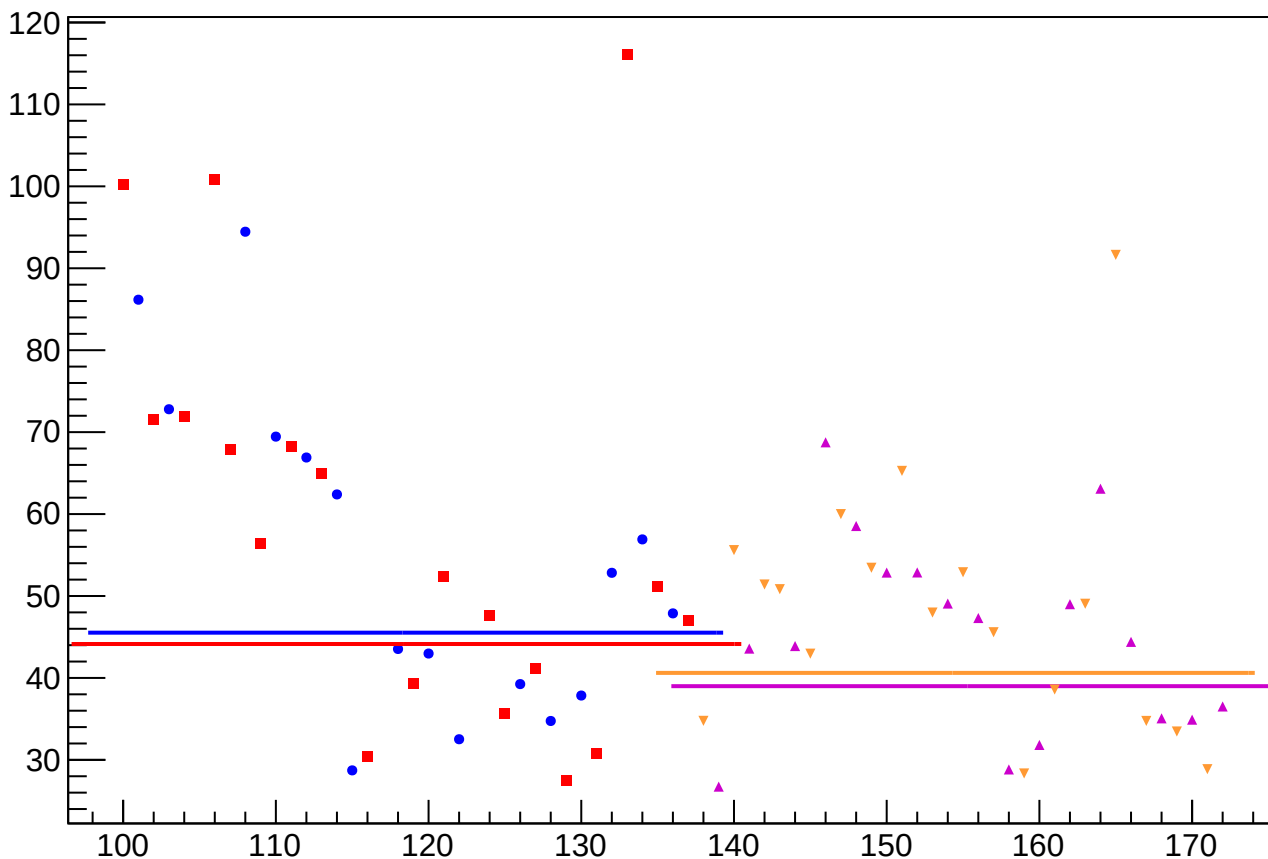
Left In: -0.005 ± 0.011 χ^2/NDF : 17.0/16

+ sign 0.015 ± 0.010 χ^2/NDF : 54.7/33

All: 0.010 ± 0.007 χ^2/NDF : 94.5/69

- sign 0.005 ± 0.009 χ^2/NDF : 39.1/35

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

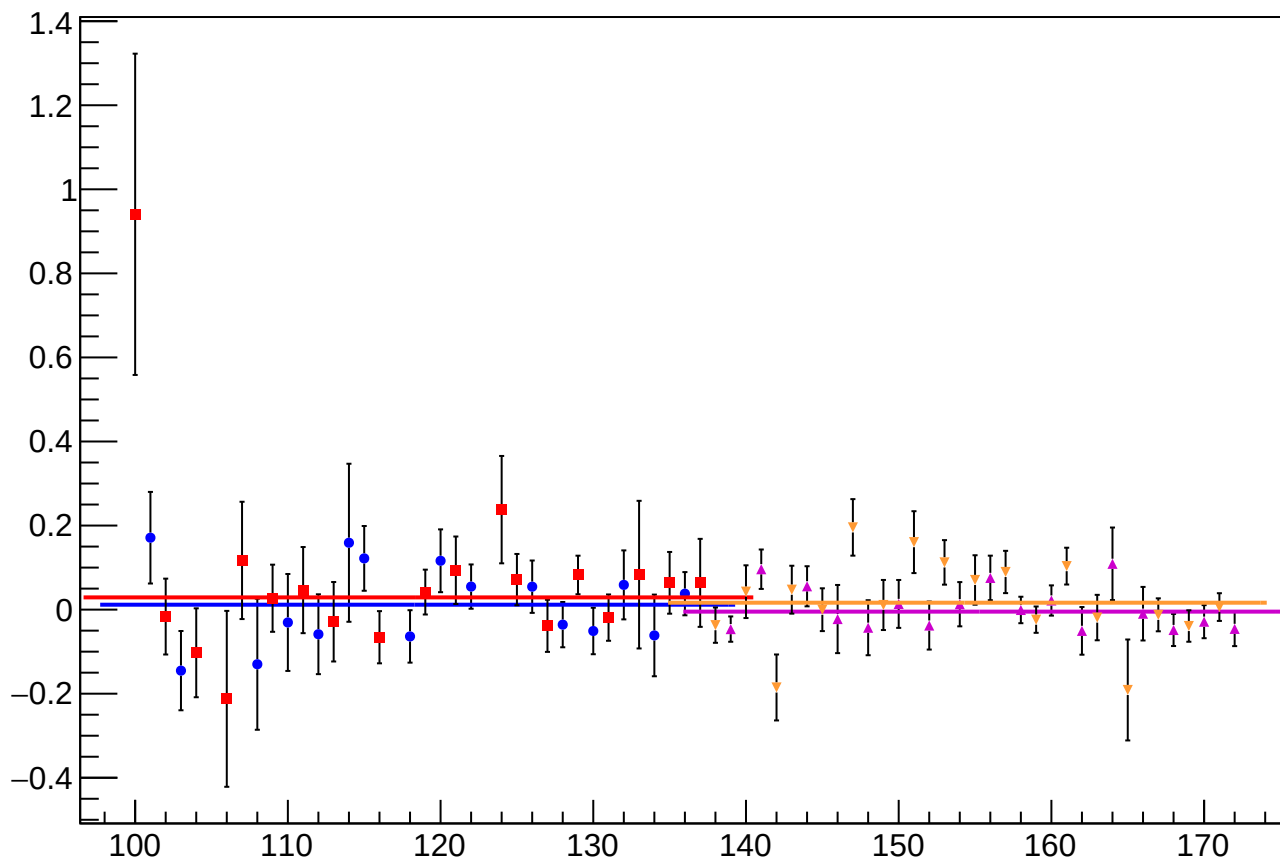
Left In: 38.995+/-0.008 χ^2/NDF : 1749140.7/16

+ sign 41.993+/-0.007 χ^2/NDF : 3338441.9/33

All: 41.188+/-0.005 χ^2/NDF : 6977293.4/69

- sign 40.427+/-0.007 χ^2/NDF : 3612048.2/35

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012 ± 0.018 $\chi^2/\text{NDF}: 16.9/15$

Left Out: 0.016 ± 0.011 $\chi^2/\text{NDF}: 37.8/17$

Right Out: 0.029 ± 0.018 $\chi^2/\text{NDF}: 19.5/18$

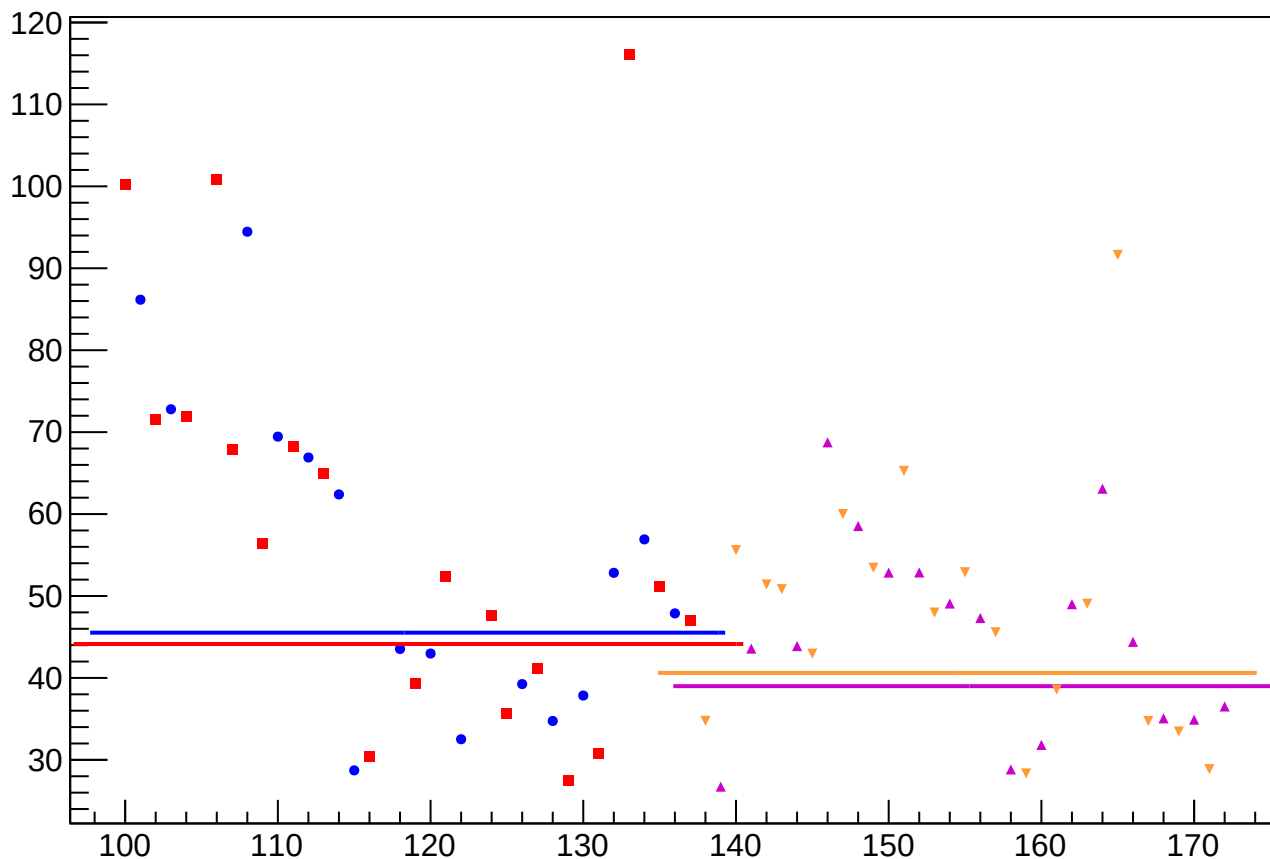
Left In: -0.005 ± 0.011 $\chi^2/\text{NDF}: 17.0/16$

+ sign 0.015 ± 0.010 $\chi^2/\text{NDF}: 54.7/33$

All: 0.010 ± 0.007 $\chi^2/\text{NDF}: 94.5/69$

- sign 0.005 ± 0.009 $\chi^2/\text{NDF}: 39.1/35$

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.525 $\pm$ 0.013 χ^2/NDF : 1253922.0/15

Left Out: 40.616 $\pm$ 0.008 χ^2/NDF : 1981199.4/17

Right Out: 44.141 $\pm$ 0.013 χ^2/NDF : 1743351.0/18

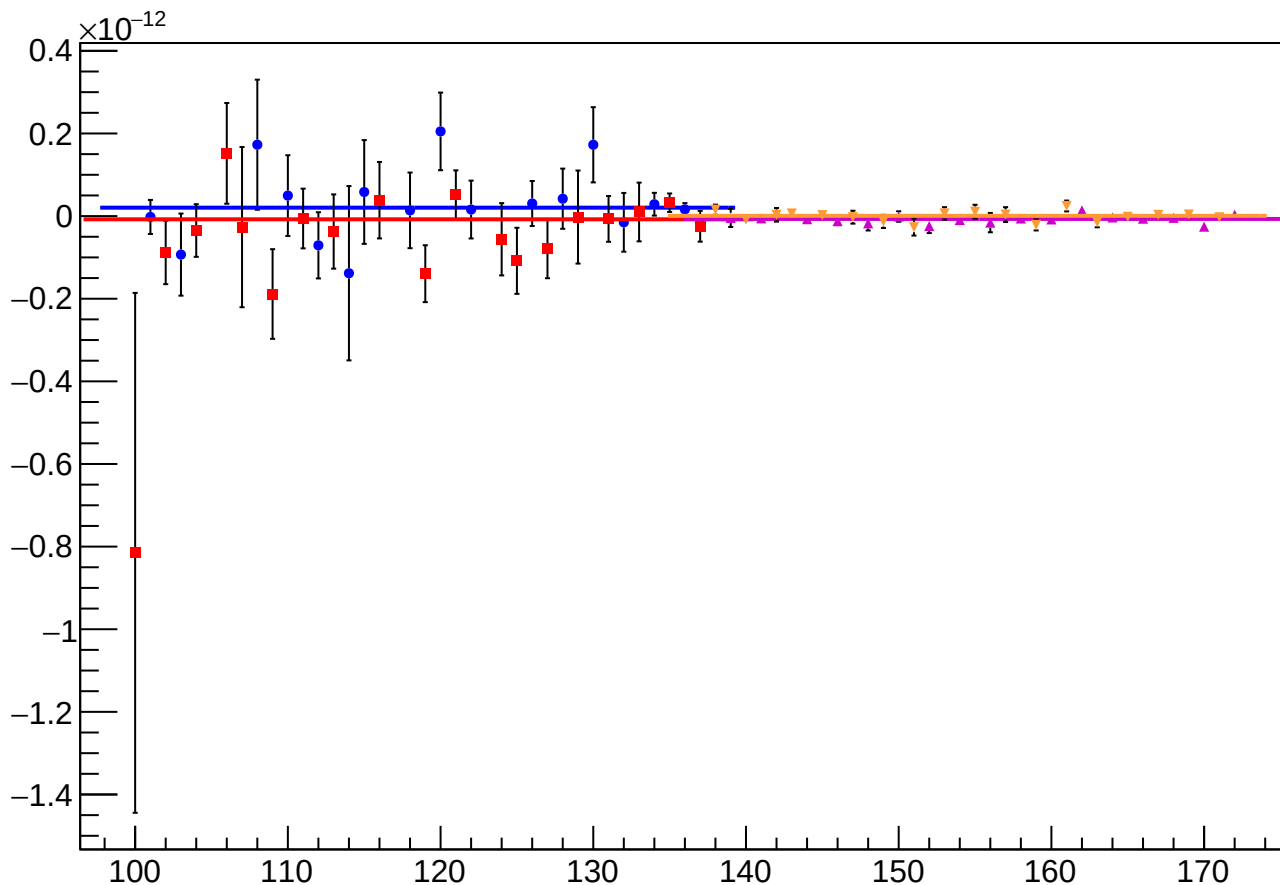
Left In: 38.995 $\pm$ 0.008 χ^2/NDF : 1749140.7/16

+ sign 41.993 $\pm$ 0.007 χ^2/NDF : 3338441.9/33

All: 41.188 $\pm$ 0.005 χ^2/NDF : 6977293.4/69

- sign 40.427 $\pm$ 0.007 χ^2/NDF : 3612048.2/35

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.7/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/18

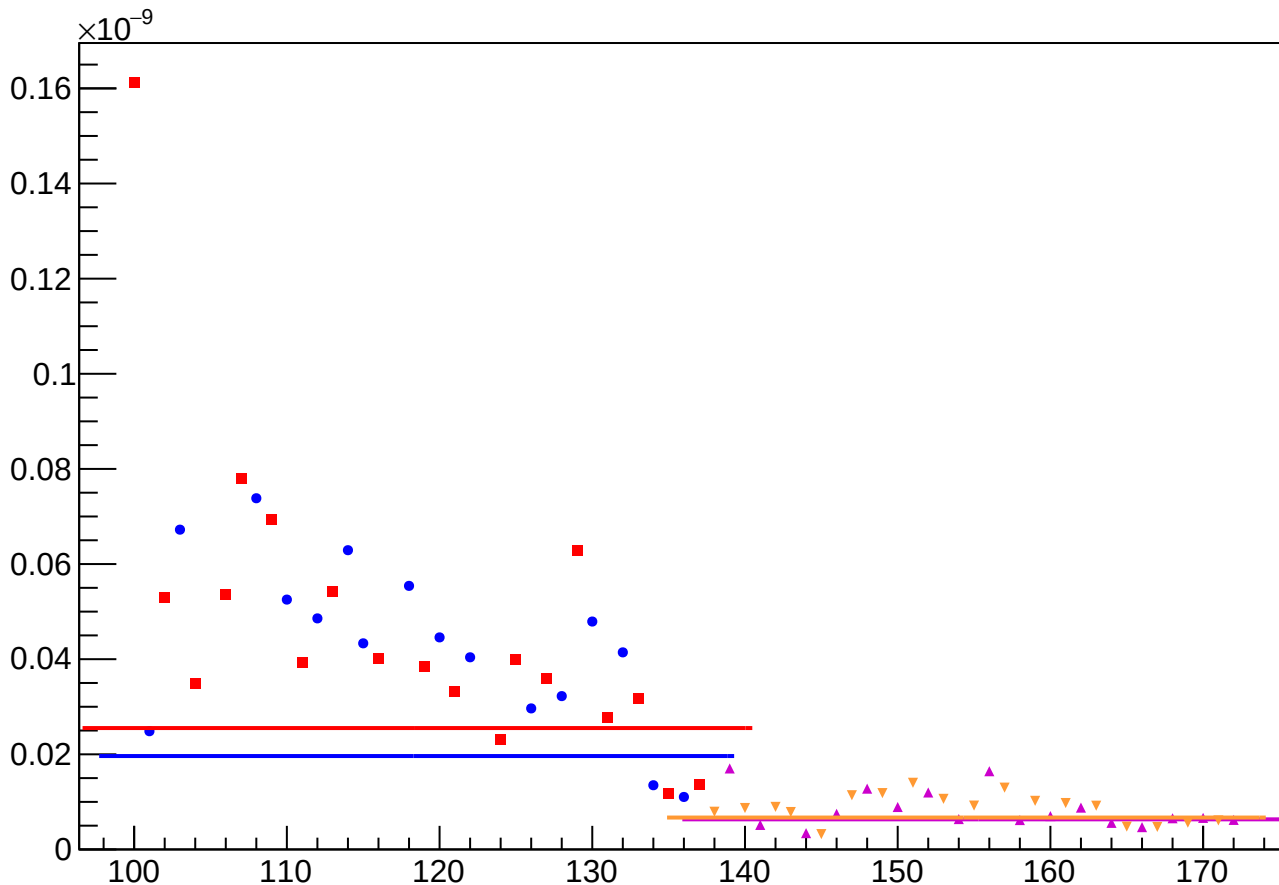
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 64.6/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/35

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2611453.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2703953.2/18

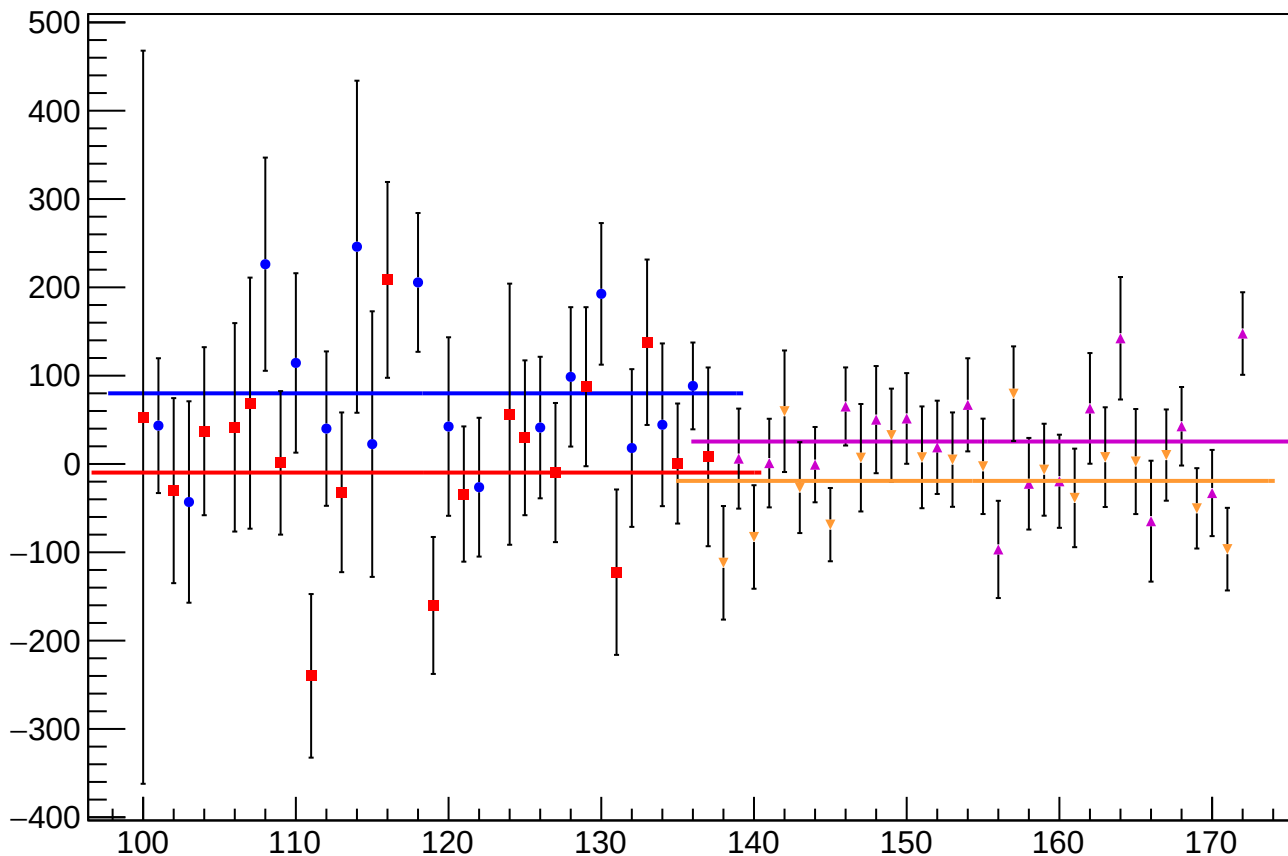
Left In: 0.000+/-0.000 χ^2/NDF : 2189013.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 8400258.9/33

All: 0.000+/-0.000 χ^2/NDF : 17127956.4/69

- sign 0.000+/-0.000 χ^2/NDF : 8698863.9/35

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 79.993 $\pm$ 21.474 χ^2 /NDF: 11.6/15

Left Out: -19.148 $\pm$ 12.622 χ^2 /NDF:15.1/17

Right Out: -9.730 $\pm$ 21.617 χ^2 /NDF: 20.3/18

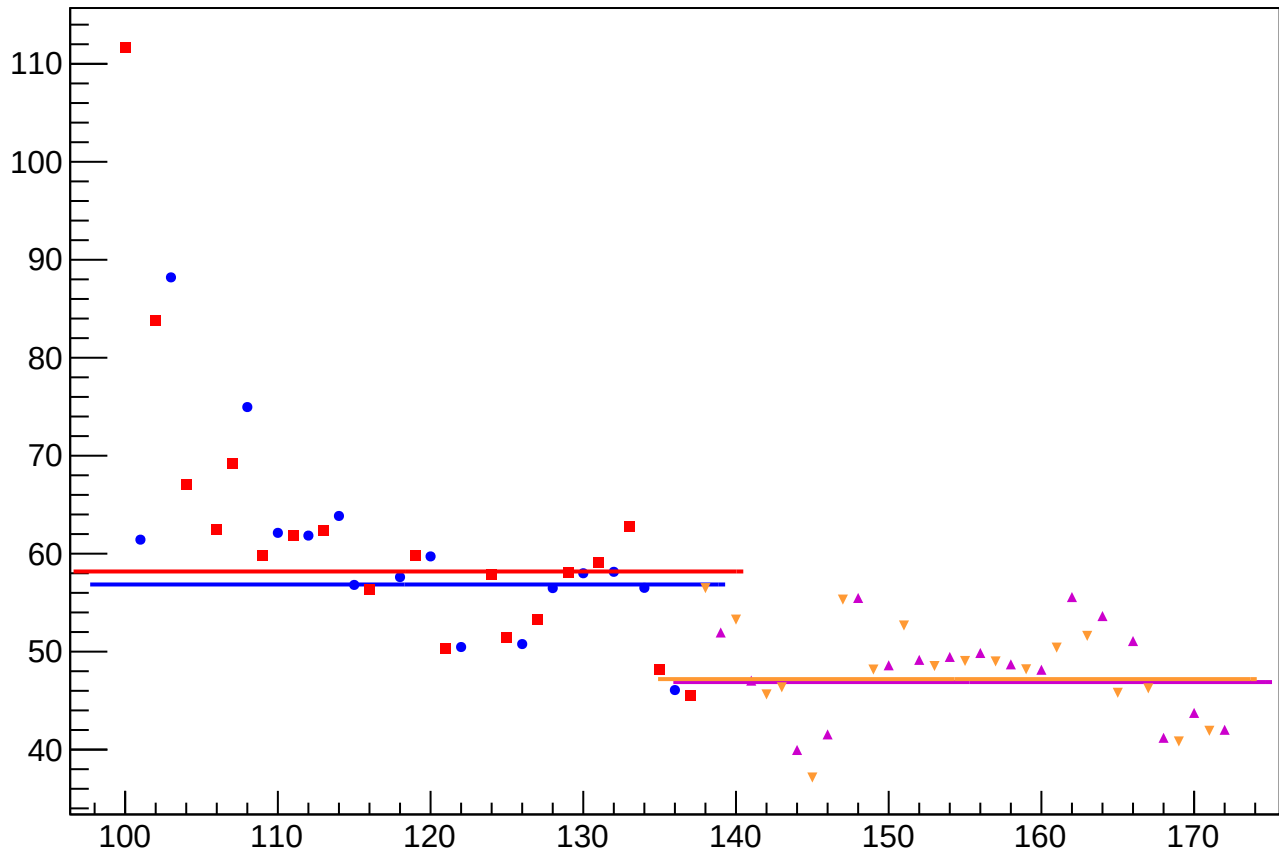
Left In: 25.427 $\pm$ 12.638 χ^2 /NDF:22.5/16

+ sign 6.309 $\pm$ 10.882 χ^2 /NDF: 42.5/33

All: 11.377 $\pm$ 7.705 χ^2 /NDF: 87.7/69

- sign 16.471 $\pm$ 10.911 χ^2 /NDF: 44.8/35

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341601.2/15

Left Out: 47.195 $\pm$ 0.009 χ^2 /NDF: 328076.0/17

Right Out: 58.181 $\pm$ 0.015 χ^2 /NDF: 314660.6/18

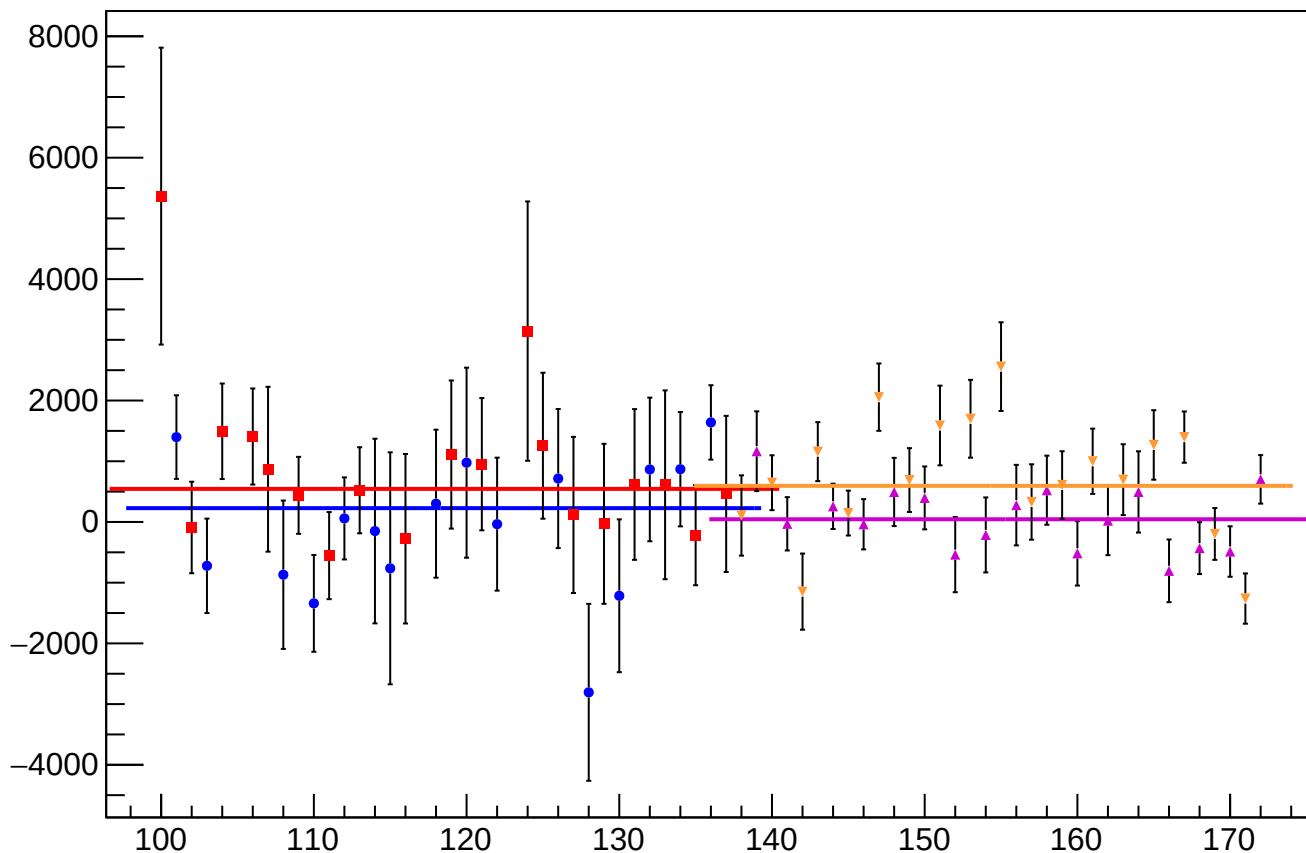
Left In: 46.893 $\pm$ 0.009 χ^2 /NDF: 285587.1/16

+ sign 49.676 $\pm$ 0.008 χ^2 /NDF: 970397.0/33

All: 49.722 $\pm$ 0.005 χ^2 /NDF: 1977150.7/69

- sign 49.769 $\pm$ 0.008 χ^2 /NDF: 1006680.5/35

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.508 $\pm$ 241.225 χ^2 /NDF: 21.6/15

Left Out: 594.938 $\pm$ 122.198 χ^2 /NDF: 59.9/17

Right Out: 544.769 $\pm$ 227.243 χ^2 /NDF: 13.4/18

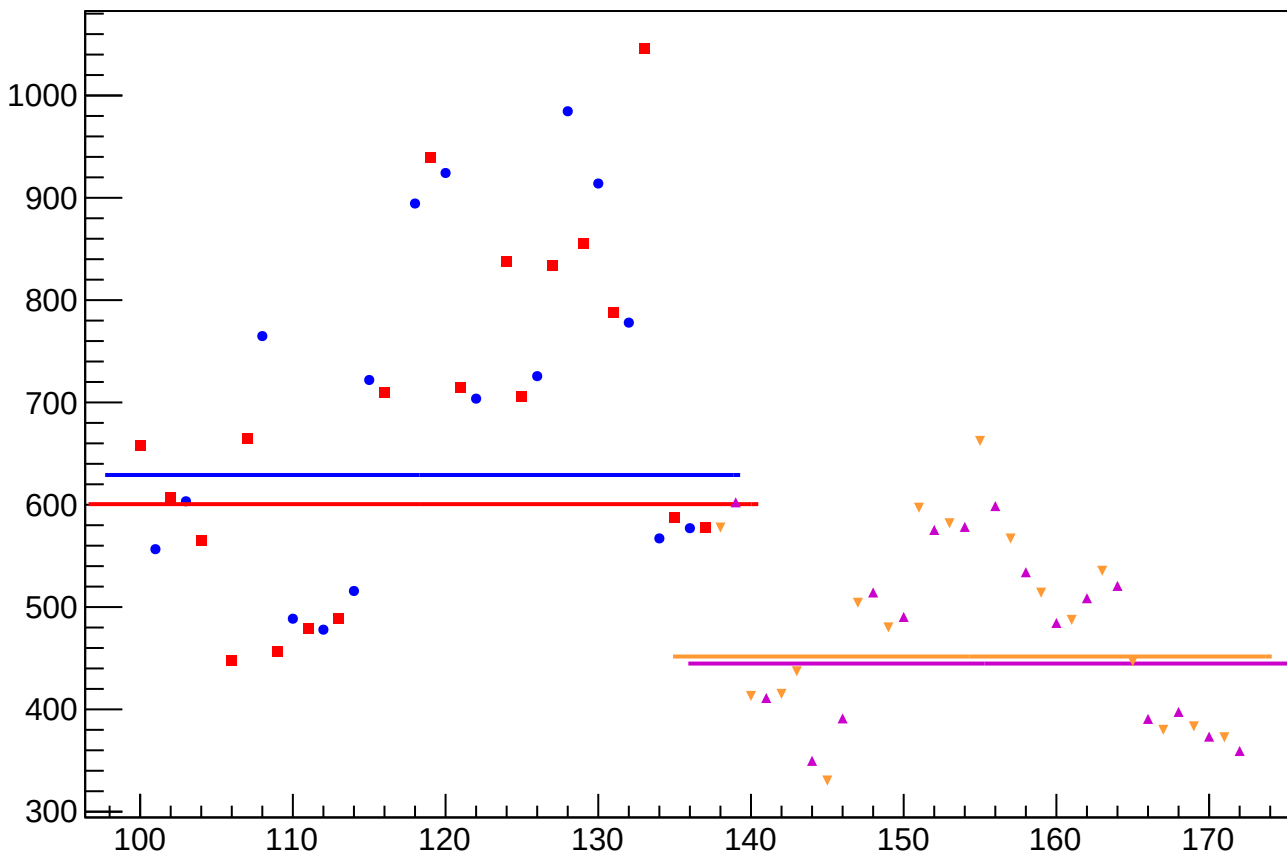
Left In: 44.368 $\pm$ 121.141 χ^2 /NDF: 16.1/16

+ sign 519.905 $\pm$ 109.009 χ^2 /NDF: 83.4/33

All: 333.941 $\pm$ 76.324 χ^2 /NDF: 122.4/69

- sign 155.104 $\pm$ 106.900 χ^2 /NDF: 33.3/35

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 629.096 $\pm$ 0.171 χ^2 /NDF: 692724.2/15

Left Out: 451.664 $\pm$ 0.086 χ^2 /NDF: 1007292.8/17

Right Out: 600.593 $\pm$ 0.161 χ^2 /NDF: 874614.2/18

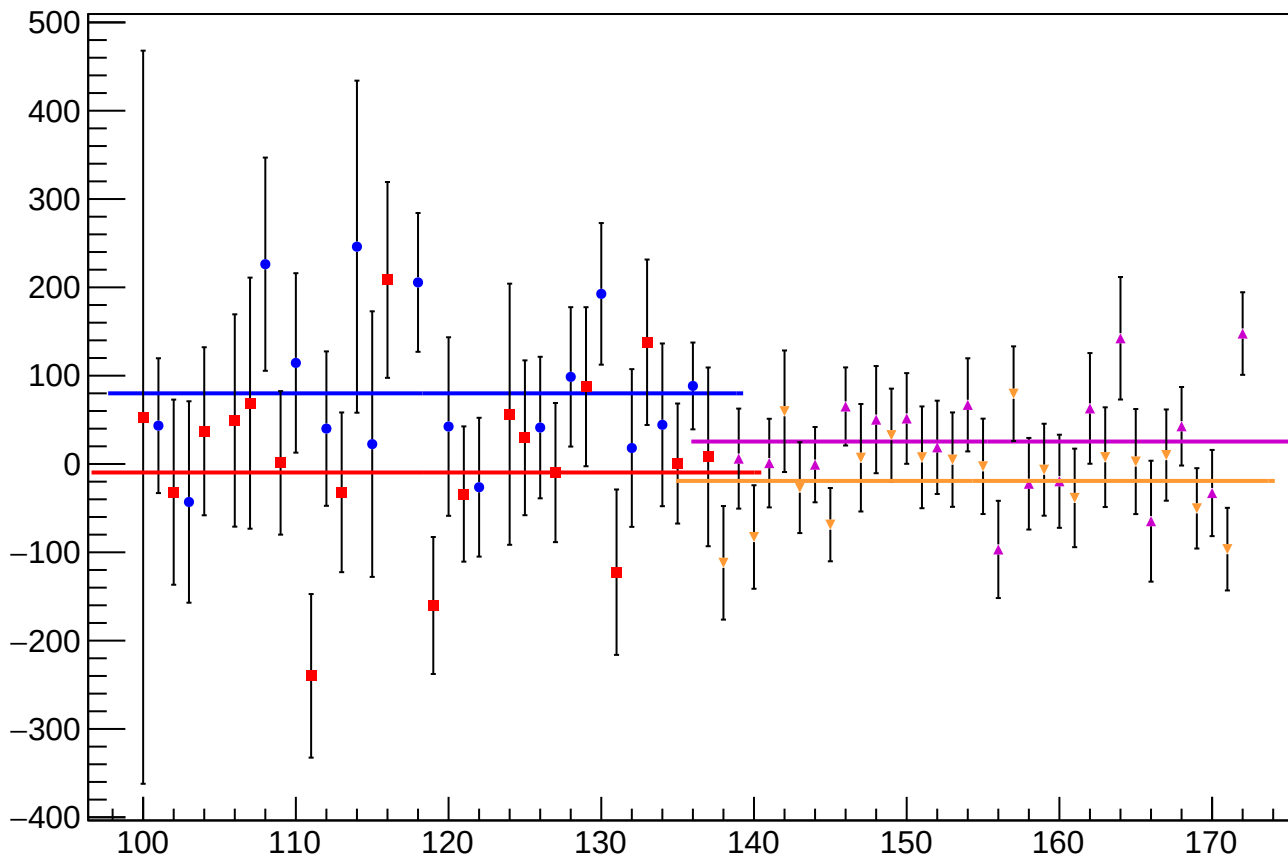
Left In: 444.786 $\pm$ 0.086 χ^2 /NDF: 934505.2/16

+ sign 487.898 $\pm$ 0.077 χ^2 /NDF: 2561099.2/33

All: 483.497 $\pm$ 0.054 χ^2 /NDF: 5108755.9/69

- sign 479.266 $\pm$ 0.076 χ^2 /NDF: 2541263.4/35

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

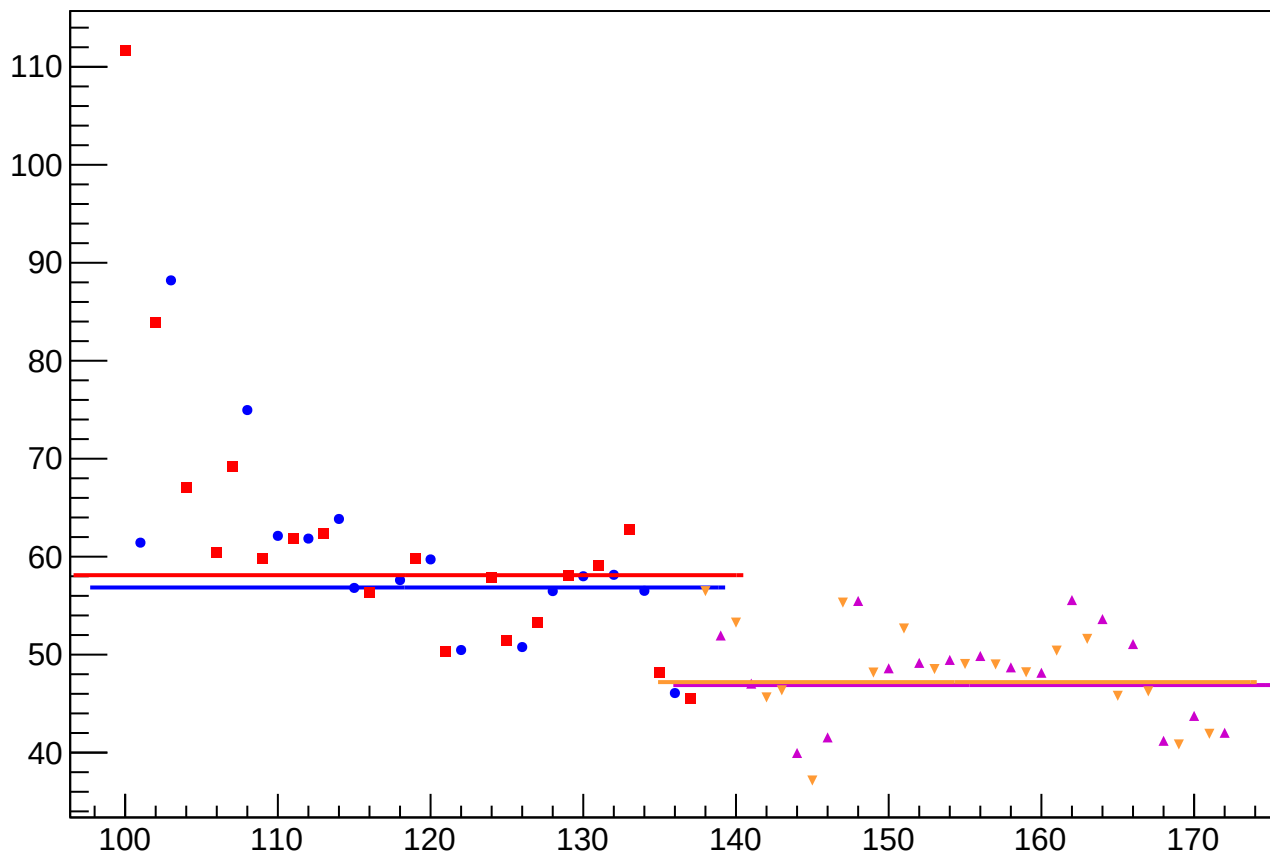
Left In: 25.428 ± 12.638 χ^2/NDF : 22.5/16

+ sign 6.309 ± 10.882 χ^2/NDF : 42.5/33

All: 11.394 ± 7.705 χ^2/NDF : 87.8/69

- sign 16.508 ± 10.912 χ^2/NDF : 44.8/35

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341605.0/15

Left Out: 47.195 $\pm$ 0.009 χ^2 /NDF: 328076.0/17

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

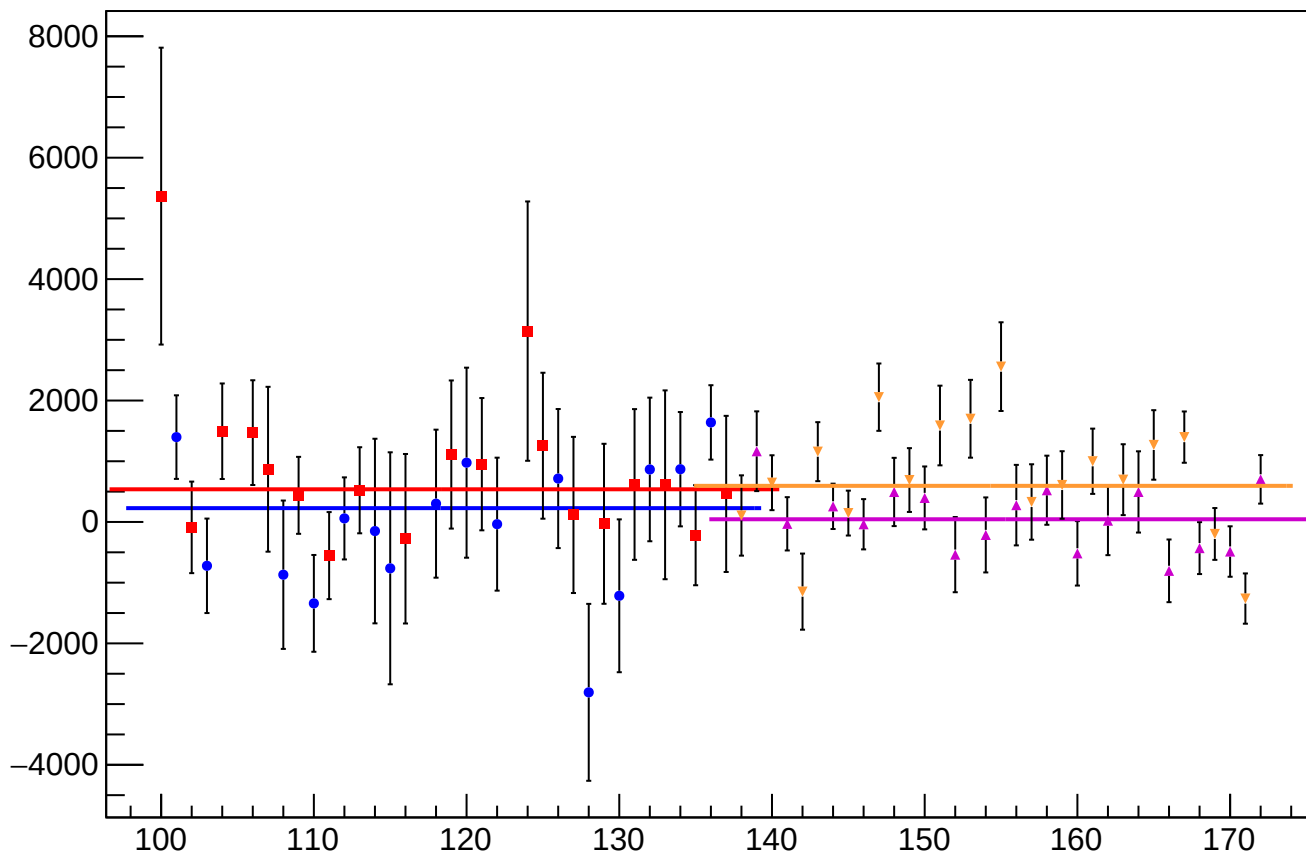
Left In: 46.893 $\pm$ 0.009 χ^2 /NDF: 285587.1/16

+ sign 49.676 $\pm$ 0.008 χ^2 /NDF: 970401.1/33

All: 49.712 $\pm$ 0.005 χ^2 /NDF: 1969951.1/69

- sign 49.748 $\pm$ 0.008 χ^2 /NDF: 999505.8/35

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

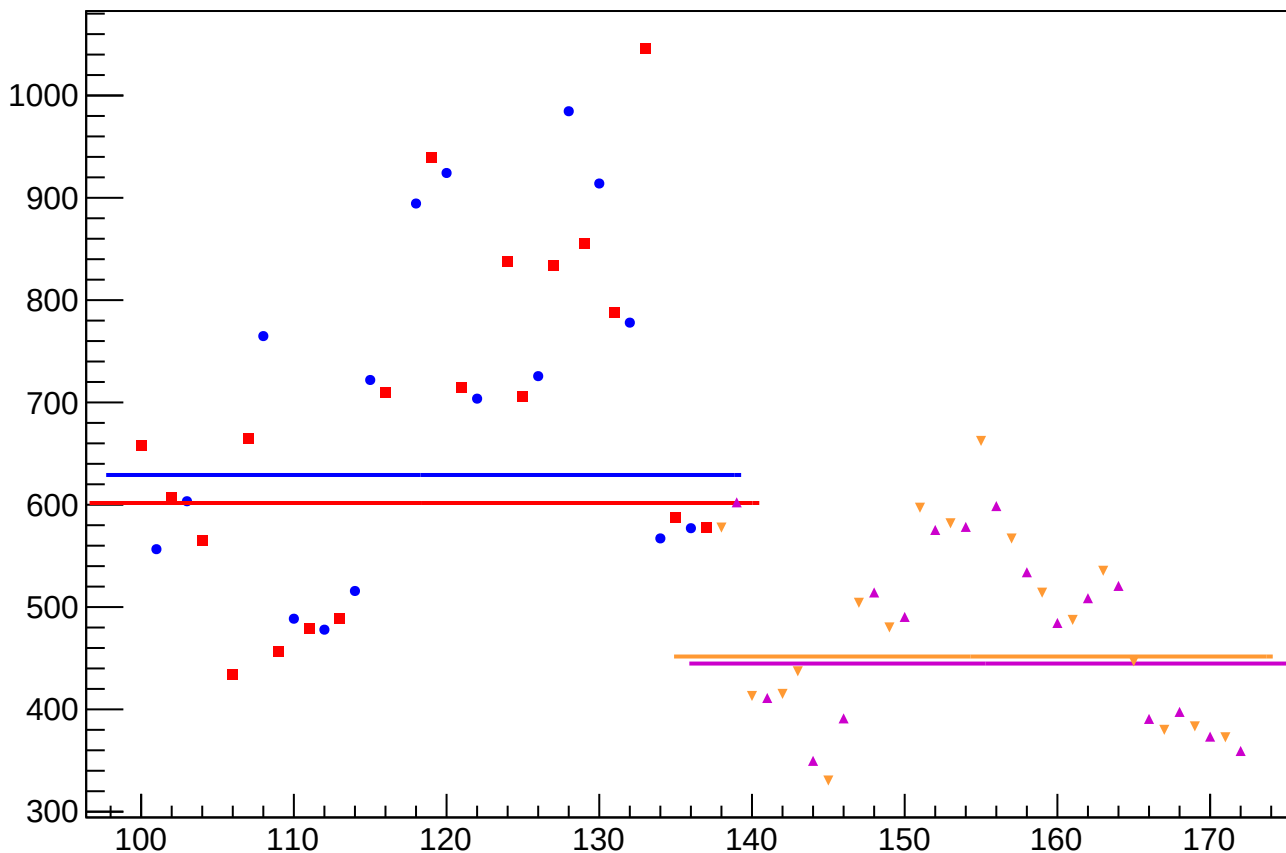
Left In: 44.372 ± 121.141 χ^2/NDF : 16.1/16

+ sign 519.911 ± 109.009 χ^2/NDF : 83.4/33

All: 332.890 ± 76.381 χ^2/NDF : 122.3/69

- sign 152.511 ± 107.056 χ^2/NDF : 33.1/35

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 629.101 $\pm$ 0.171 χ^2 /NDF: 692716.0/15

Left Out: 451.664 $\pm$ 0.086 χ^2 /NDF: 1007294.6/17

Right Out: 601.721 $\pm$ 0.162 χ^2 /NDF: 874042.1/18

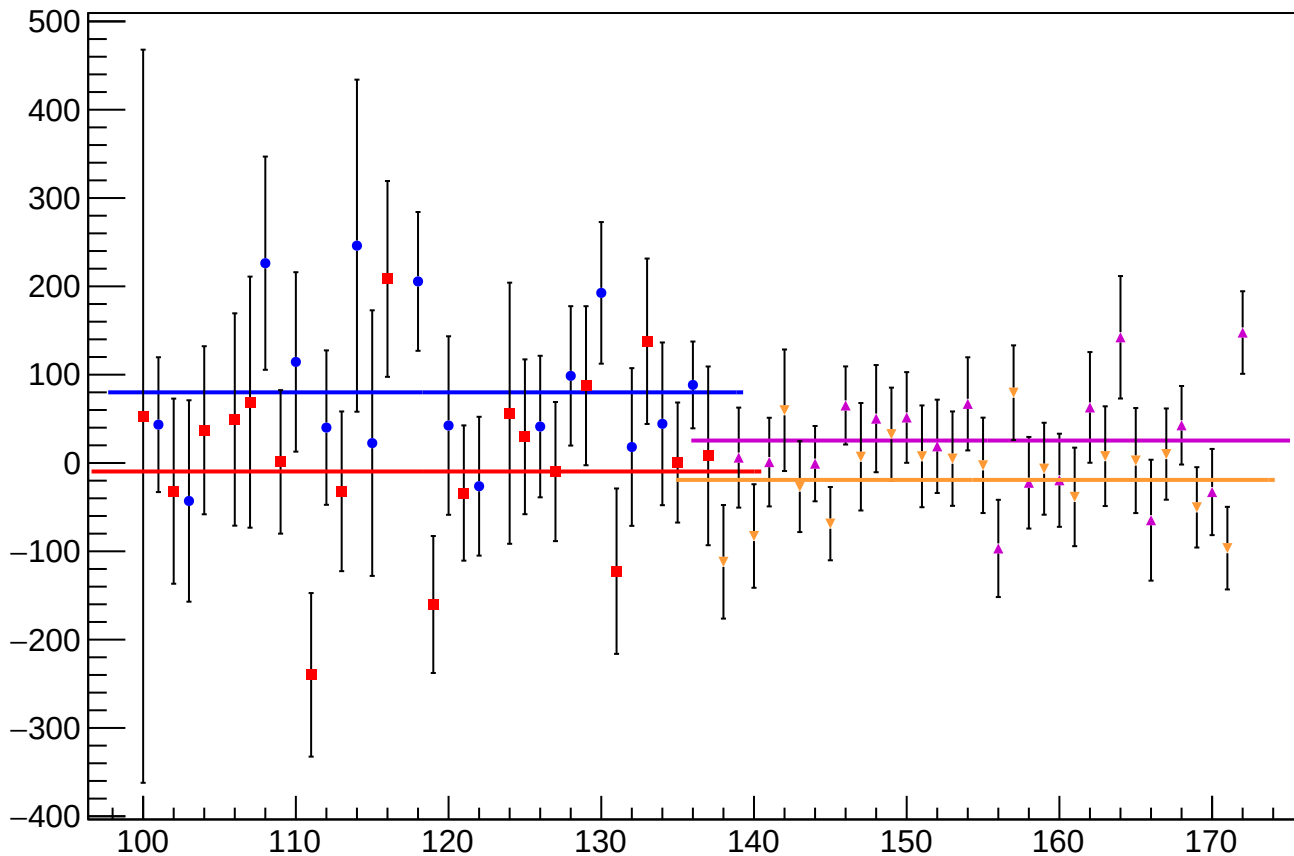
Left In: 444.786 $\pm$ 0.086 χ^2 /NDF: 934504.3/16

+ sign 487.898 $\pm$ 0.077 χ^2 /NDF: 2561130.5/33

All: 483.449 $\pm$ 0.054 χ^2 /NDF: 5111358.2/69

- sign 479.158 $\pm$ 0.076 χ^2 /NDF: 2543682.7/35

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

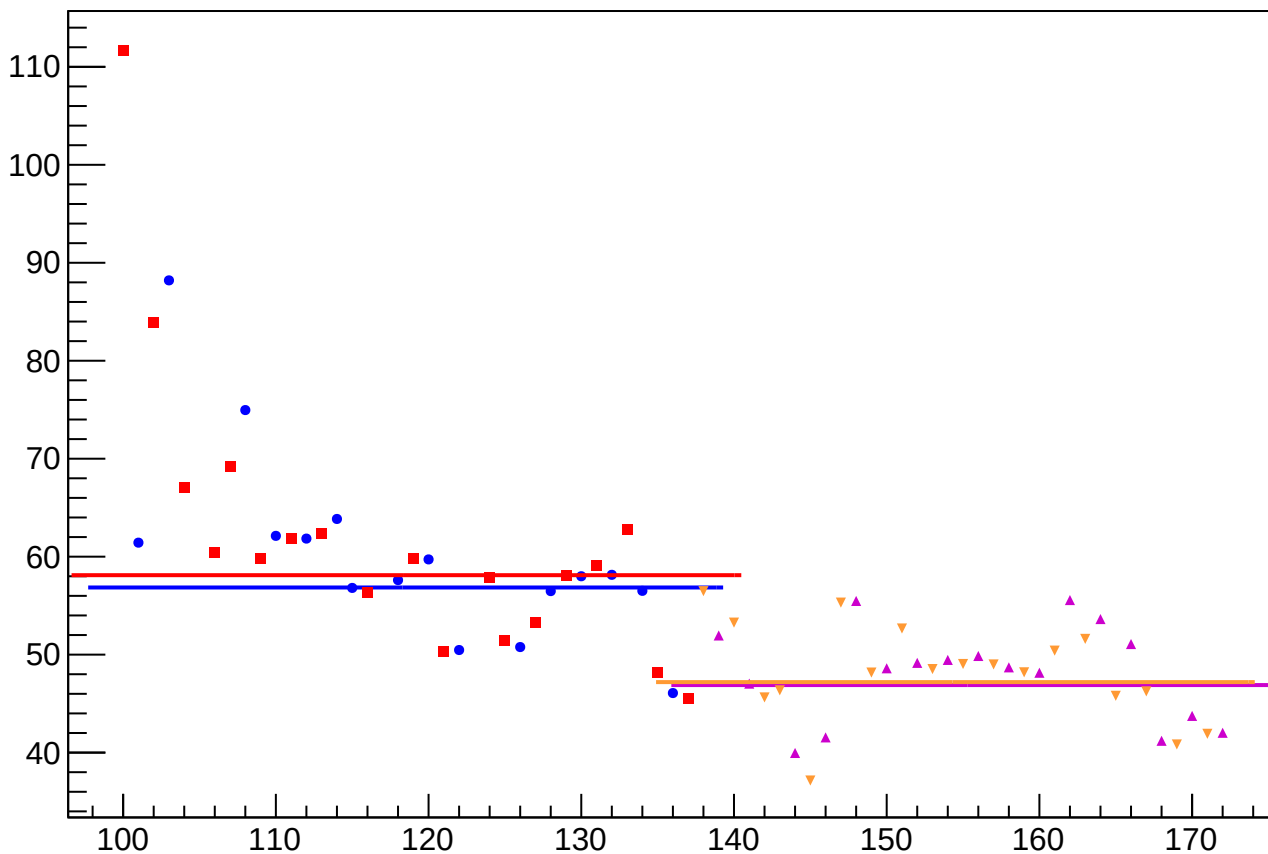
Left In: 25.428 ± 12.638 χ^2/NDF : 22.5/16

+ sign 6.309 ± 10.882 χ^2/NDF : 42.5/33

All: 11.394 ± 7.705 χ^2/NDF : 87.8/69

- sign 16.508 ± 10.912 χ^2/NDF : 44.8/35

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 56.854 $\pm$ 0.015 χ^2 /NDF: 341605.0/15

Left Out: 47.195 $\pm$ 0.009 χ^2 /NDF: 328076.0/17

Right Out: 58.111 $\pm$ 0.015 χ^2 /NDF: 312938.5/18

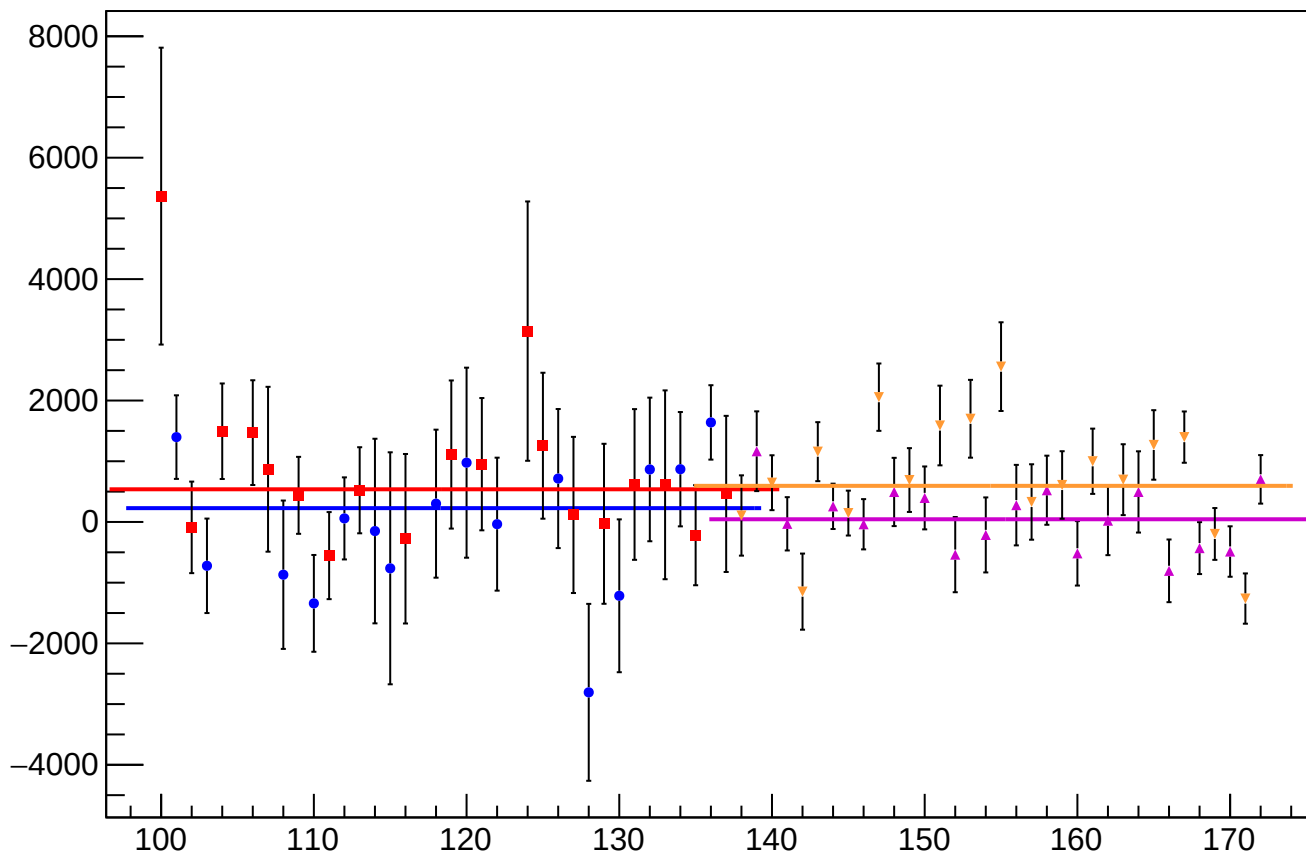
Left In: 46.893 $\pm$ 0.009 χ^2 /NDF: 285587.1/16

+ sign 49.676 $\pm$ 0.008 χ^2 /NDF: 970401.1/33

All: 49.712 $\pm$ 0.005 χ^2 /NDF: 1969951.1/69

- sign 49.748 $\pm$ 0.008 χ^2 /NDF: 999505.8/35

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 227.547 $\pm$ 241.227 χ^2 /NDF: 21.6/15

Left Out: 594.936 $\pm$ 122.198 χ^2 /NDF:59.9/17

Right Out: 538.117 $\pm$ 228.754 χ^2 /NDF: 13.3/18

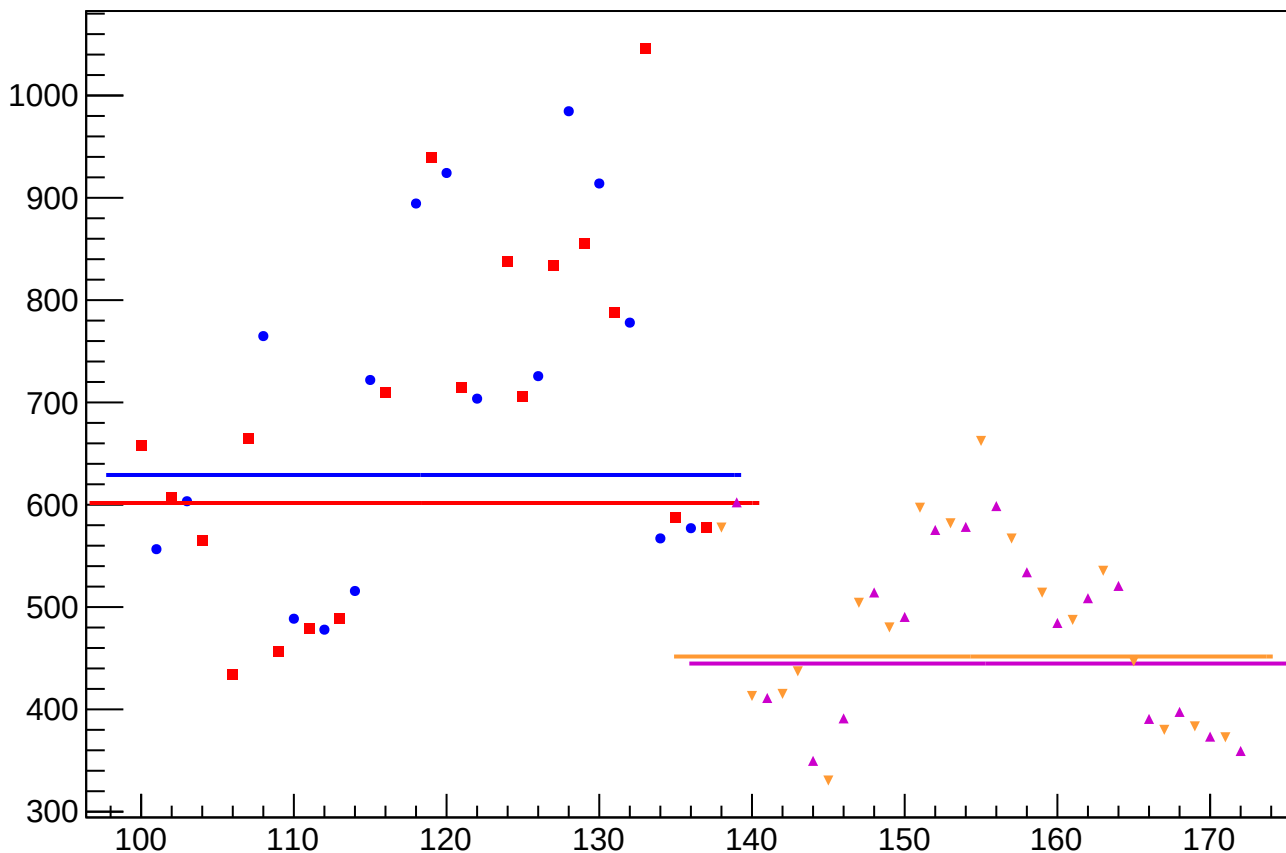
Left In: 44.372 $\pm$ 121.141 χ^2 /NDF:16.1/16

+ sign 519.911 $\pm$ 109.009 χ^2 /NDF: 83.4/33

All: 332.890 $\pm$ 76.381 χ^2 /NDF: 122.3/69

- sign 152.511 $\pm$ 107.056 χ^2 /NDF: 33.1/35

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 629.101 $\pm$ 0.171 χ^2 /NDF: 692716.0/15

Left Out: 451.664 $\pm$ 0.086 χ^2 /NDF: 1007294.6/17

Right Out: 601.721 $\pm$ 0.162 χ^2 /NDF: 874042.1/18

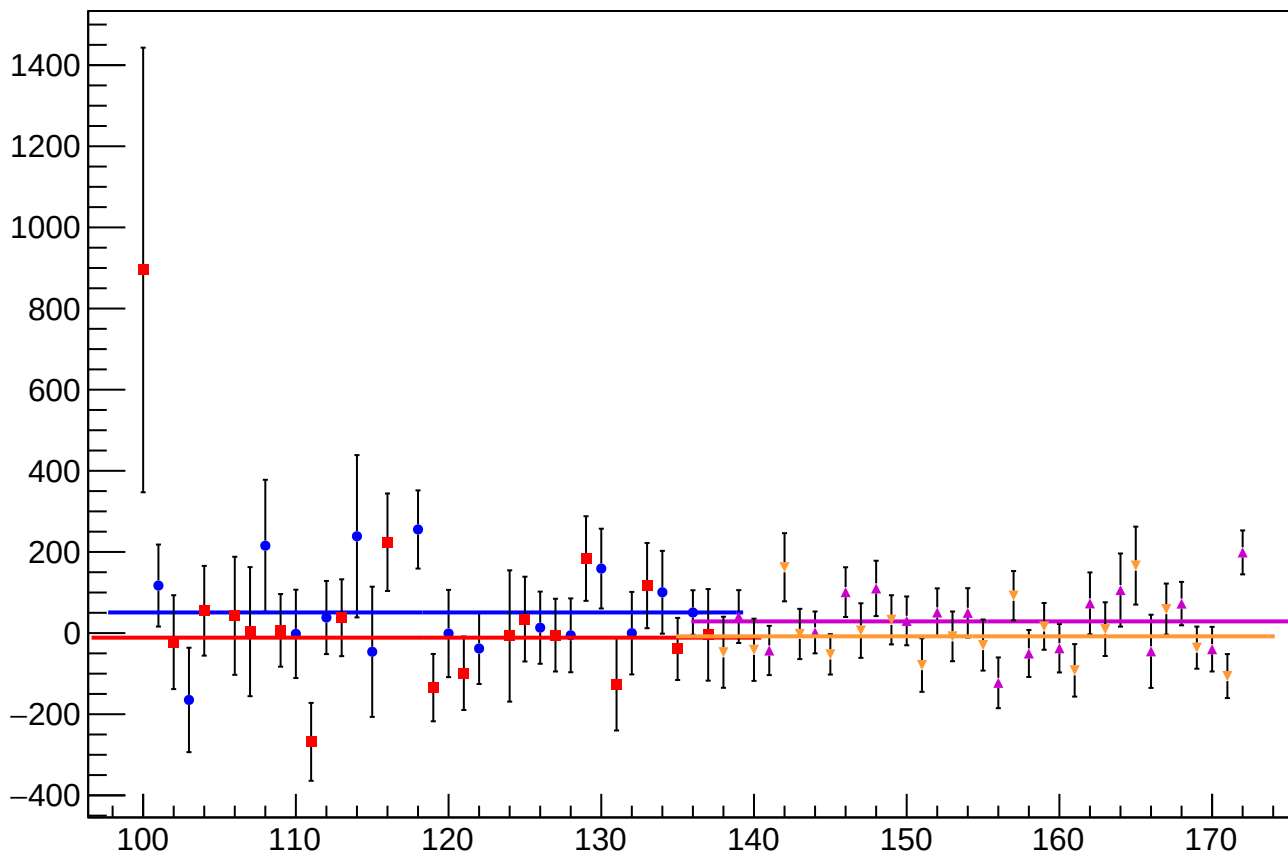
Left In: 444.786 $\pm$ 0.086 χ^2 /NDF: 934504.3/16

+ sign 487.898 $\pm$ 0.077 χ^2 /NDF: 2561130.5/33

All: 483.449 $\pm$ 0.054 χ^2 /NDF: 5111358.2/69

- sign 479.158 $\pm$ 0.076 χ^2 /NDF: 2543682.7/35

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

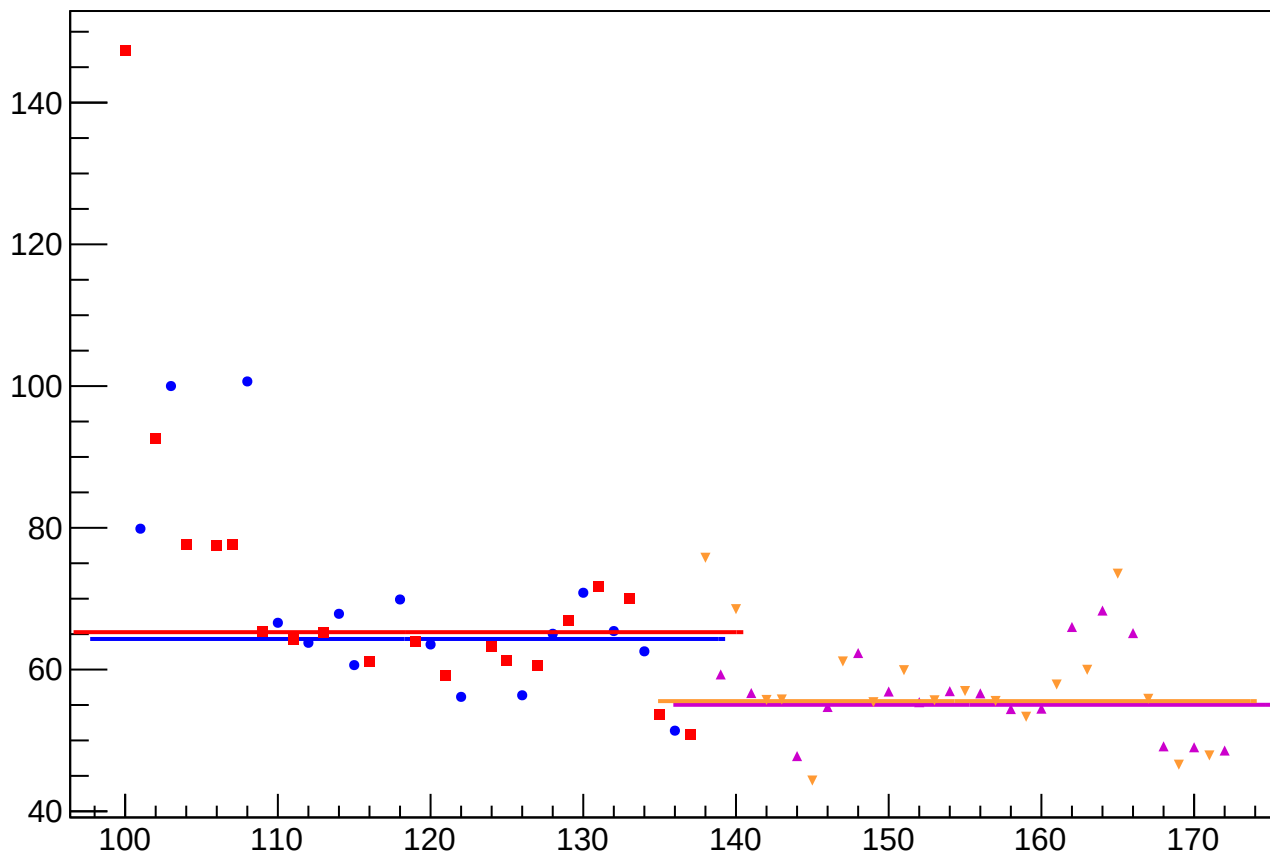
Left In: 28.793 ± 14.964 χ^2/NDF : 27.5/16

+ sign 8.037 ± 12.777 χ^2/NDF : 37.7/33

All: 12.929 ± 9.024 χ^2/NDF : 91.5/69

- sign 17.796 ± 12.745 χ^2/NDF : 53.5/35

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

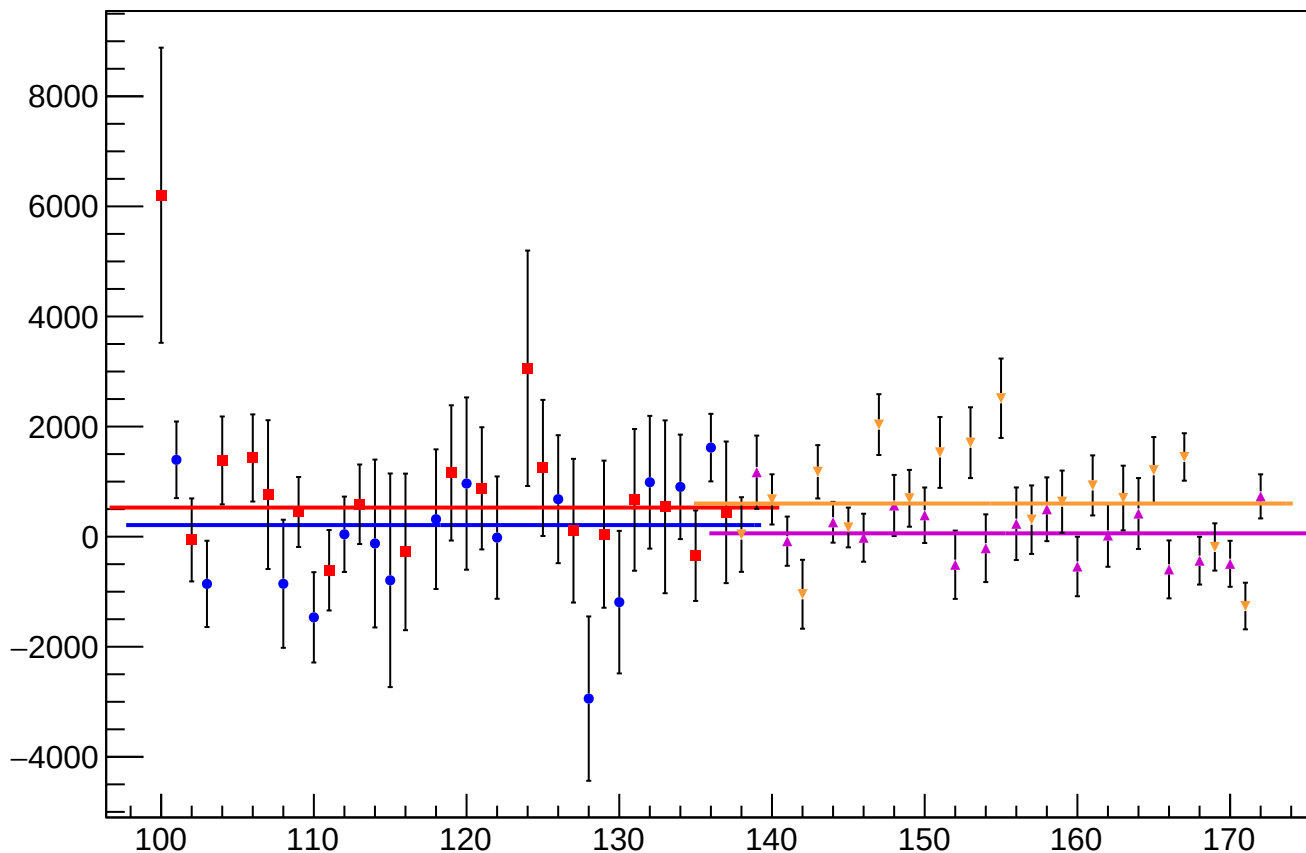
Left In: 55.029 ± 0.011 χ^2/NDF : 264534.5/16

+ sign 57.934 ± 0.009 χ^2/NDF : 1124697.1/33

All: 57.888 ± 0.006 χ^2/NDF : 1965975.8/69

- sign 57.843 ± 0.009 χ^2/NDF : 841227.7/35

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 210.018 $\pm$ 243.798 χ^2/NDF : 22.4/15

Left Out: 601.839 $\pm$ 122.784 χ^2/NDF : 57.5/17

Right Out: 528.675 $\pm$ 229.679 χ^2/NDF : 13.8/18

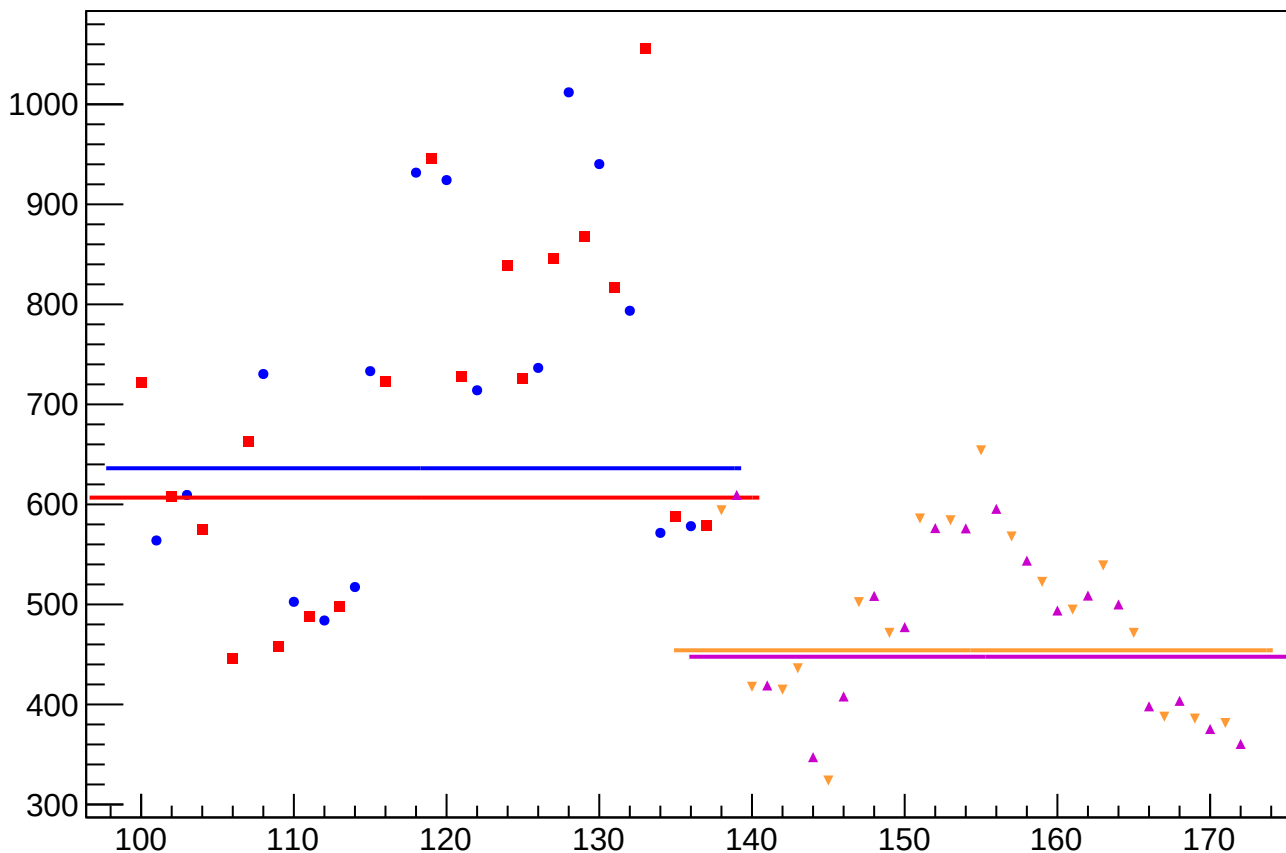
Left In: 60.118 $\pm$ 121.885 χ^2/NDF : 15.1/16

+ sign 522.564 $\pm$ 109.662 χ^2/NDF : 82.0/33

All: 339.516 $\pm$ 76.827 χ^2/NDF : 119.7/69

- sign 163.077 $\pm$ 107.664 χ^2/NDF : 32.2/35

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 636.144 $\pm$ 0.172 χ^2 /NDF: 705237.7/15

Left Out: 454.138 $\pm$ 0.087 χ^2 /NDF:1012477.2/17

Right Out: 606.803 $\pm$ 0.162 χ^2 /NDF: 893878.7/18

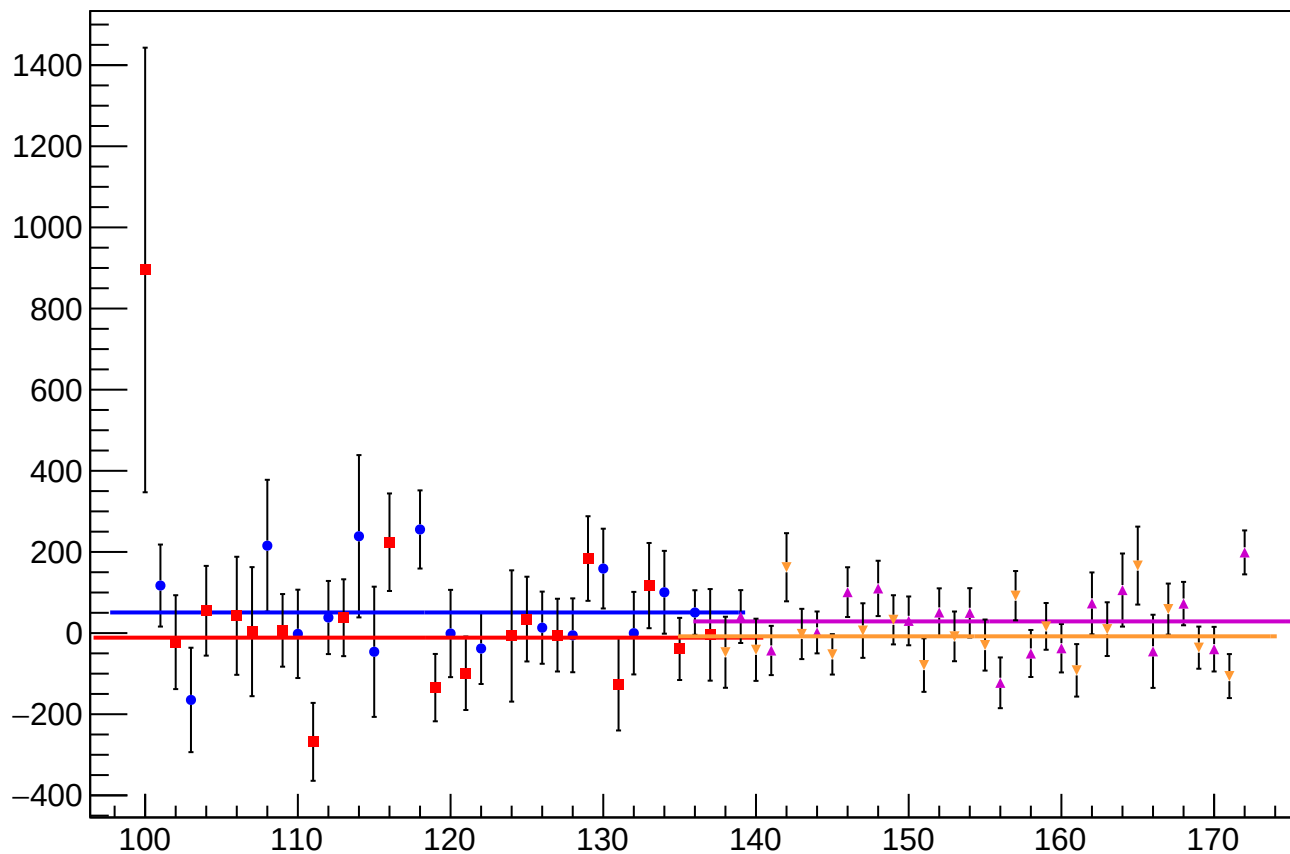
Left In: 447.695 $\pm$ 0.086 χ^2 /NDF:893475.5/16

+ sign 490.963 $\pm$ 0.078 χ^2 /NDF: 2606852.9/33

All: 486.733 $\pm$ 0.054 χ^2 /NDF: 5148926.5/69

- sign 482.657 $\pm$ 0.076 χ^2 /NDF: 2536232.1/35

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.859 $\pm$ 24.492 χ^2 /NDF: 13.8/15

Left Out: -7.977 $\pm$ 14.977 χ^2 /NDF: 19.7/17

Right Out: -11.261 $\pm$ 24.324 χ^2 /NDF: 24.0/18

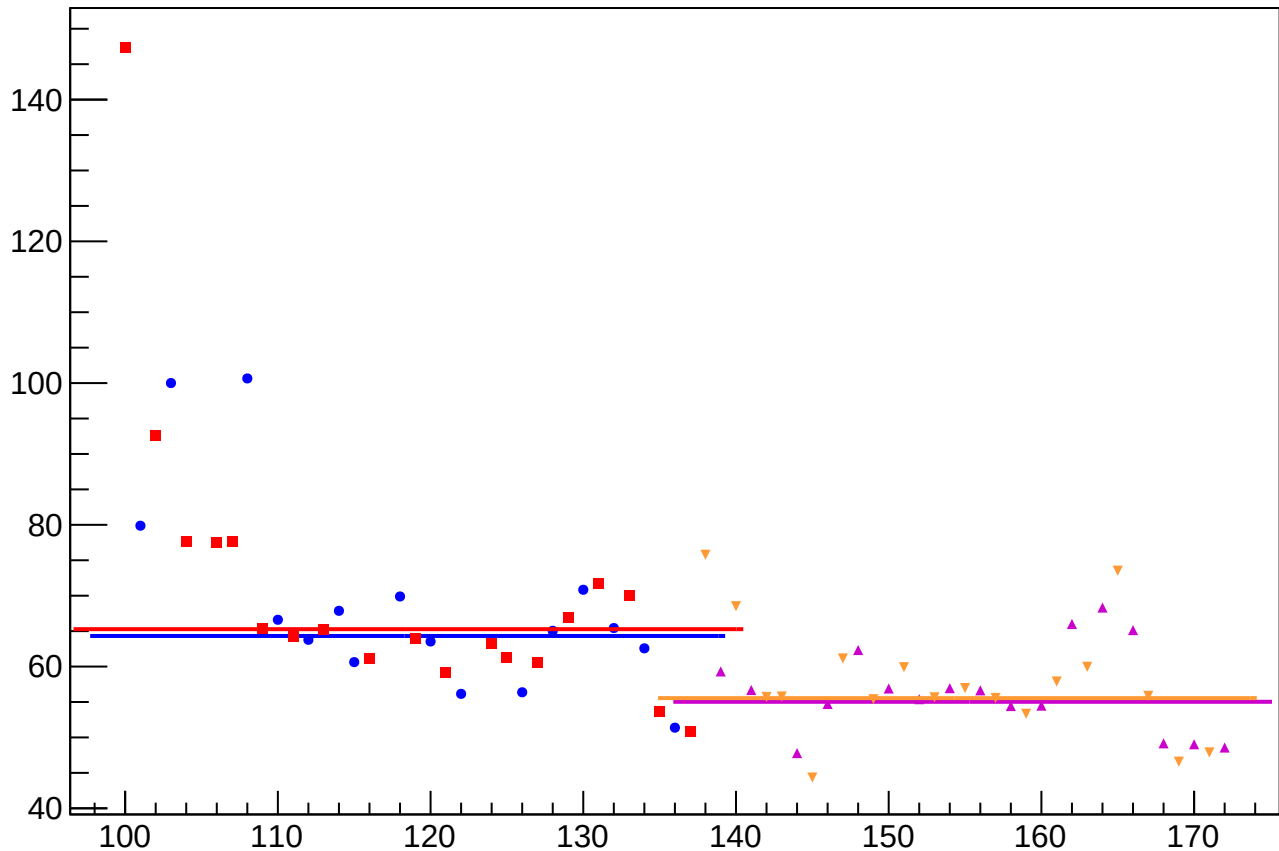
Left In: 28.793 $\pm$ 14.964 χ^2 /NDF: 27.5/16

+ sign 8.036 $\pm$ 12.777 χ^2 /NDF: 37.7/33

All: 12.928 $\pm$ 9.024 χ^2 /NDF: 91.5/69

- sign 17.796 $\pm$ 12.745 χ^2 /NDF: 53.5/35

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

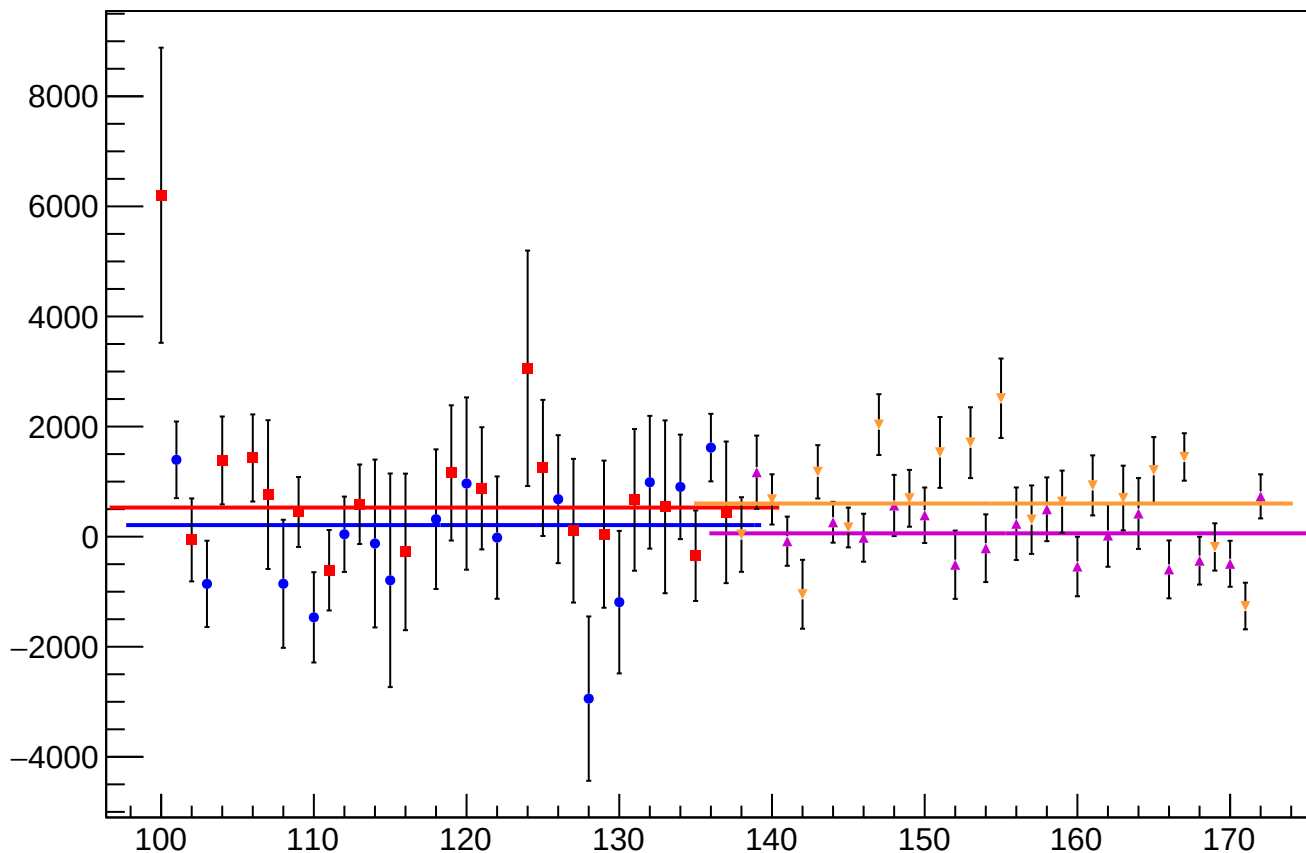
Left In: 55.029+/-0.011 χ^2/NDF : 264533.4/16

+ sign 57.934+/-0.009 χ^2/NDF : 1124671.7/33

All: 57.888+/-0.006 χ^2/NDF : 1965942.6/69

- sign 57.843+/-0.009 χ^2/NDF : 841219.7/35

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 210.017 $\pm$ 243.798 χ^2/NDF : 22.4/15

Left Out: 601.838 $\pm$ 122.784 χ^2/NDF : 57.5/17

Right Out: 528.674 $\pm$ 229.678 χ^2/NDF : 13.8/18

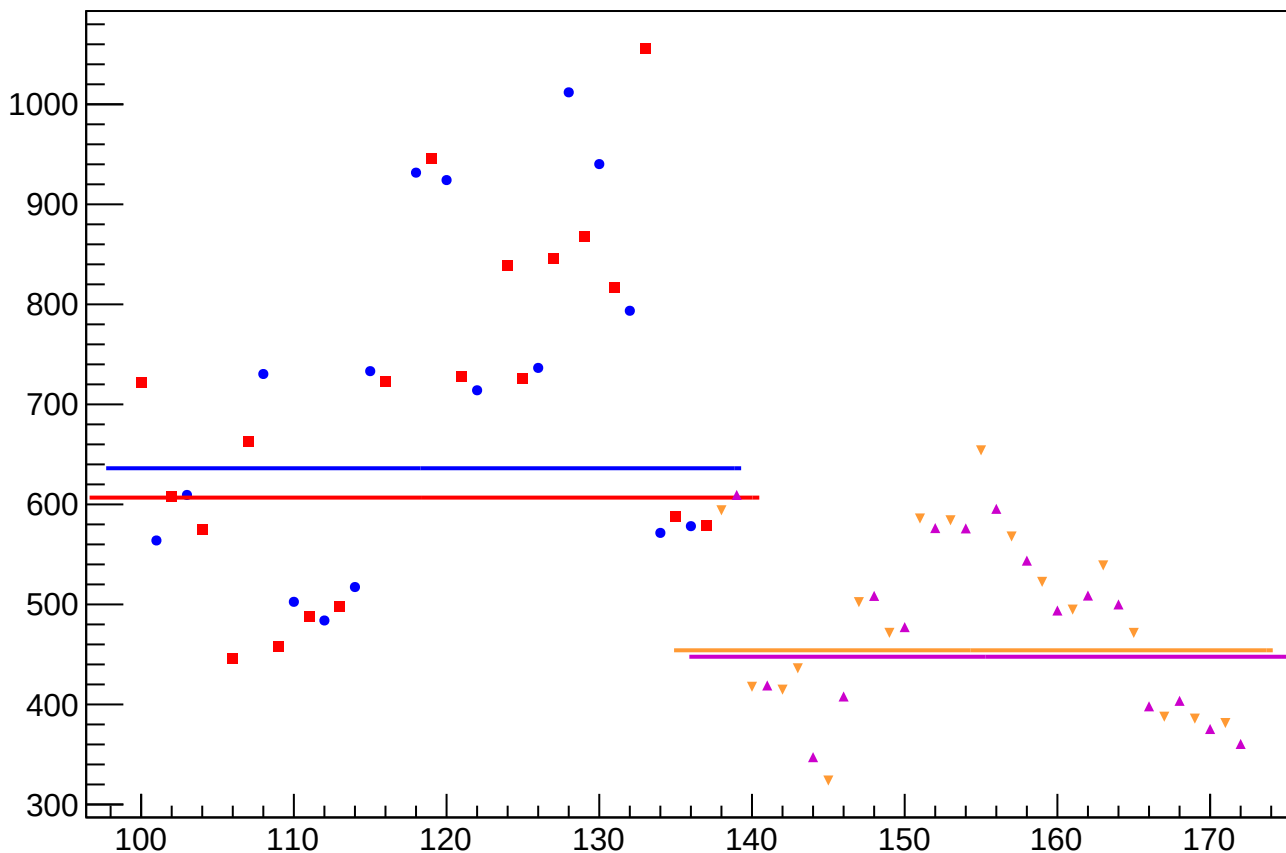
Left In: 60.118 $\pm$ 121.885 χ^2/NDF : 15.1/16

+ sign 522.563 $\pm$ 109.662 χ^2/NDF : 82.0/33

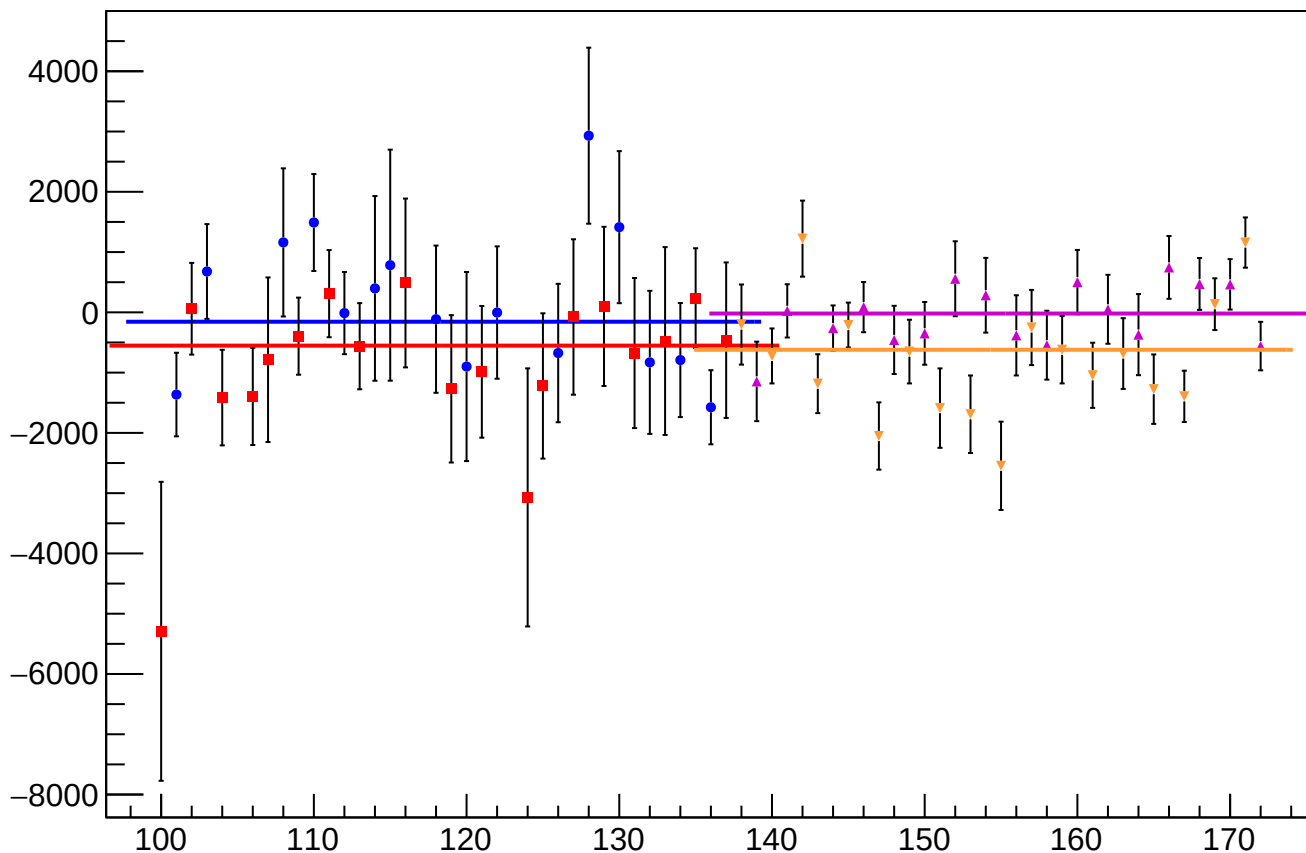
All: 339.516 $\pm$ 76.826 χ^2/NDF : 119.7/69

- sign 163.076 $\pm$ 107.664 χ^2/NDF : 32.2/35

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



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

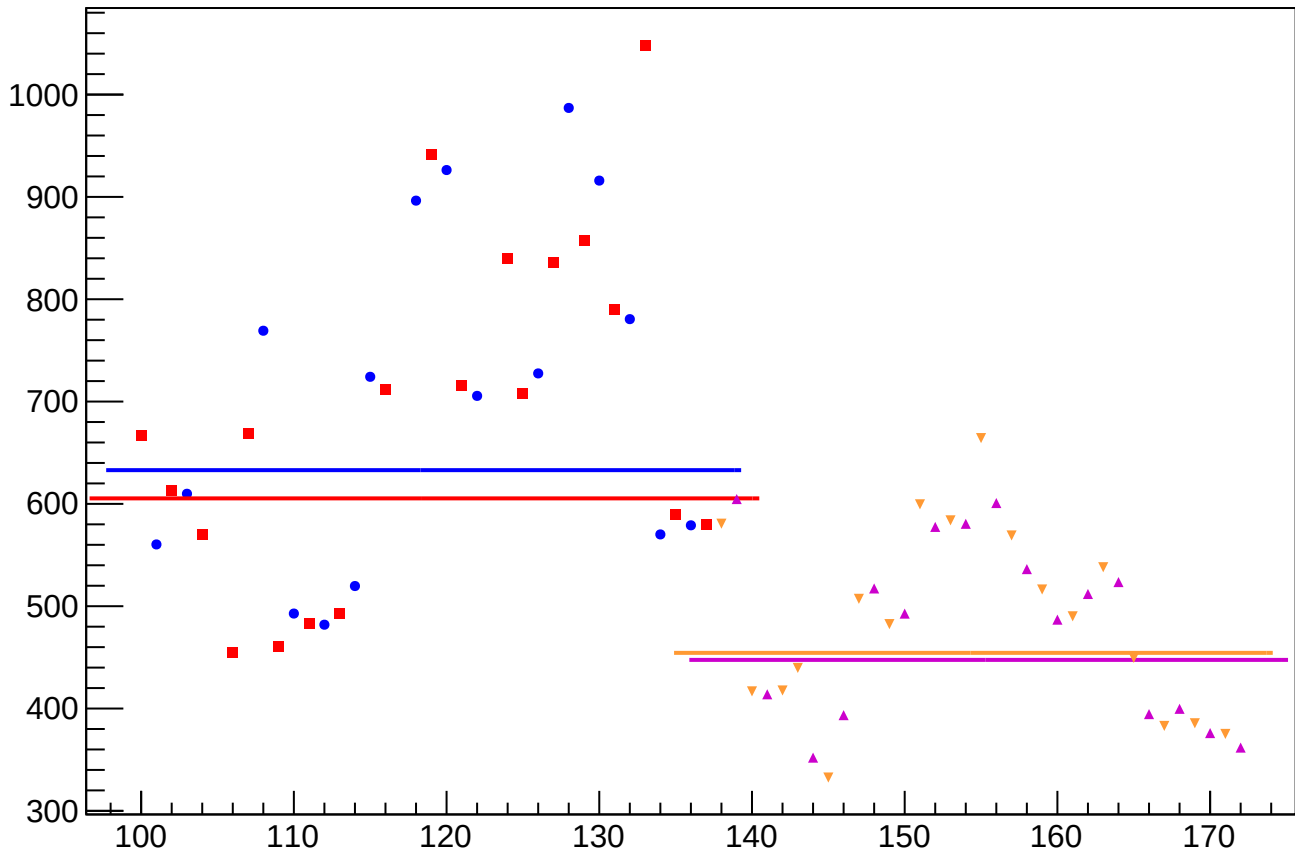
Left In: -19.861 ± 121.862 χ^2/NDF : 14.5/16

+ sign -525.690 ± 109.643 χ^2/NDF : 82.2/33

All: -327.845 ± 76.785 χ^2/NDF : 119.4/69

- sign -137.423 ± 107.566 χ^2/NDF : 30.8/35

asym_sam_15_48_dd_rms vs Slug



Right In: 632.966 $\pm$ 0.172 χ^2 /NDF: 681138.4/15

Left Out: 454.409 $\pm$ 0.087 χ^2 /NDF: 996292.9/17

Right Out: 605.373 $\pm$ 0.162 χ^2 /NDF: 853994.0/18

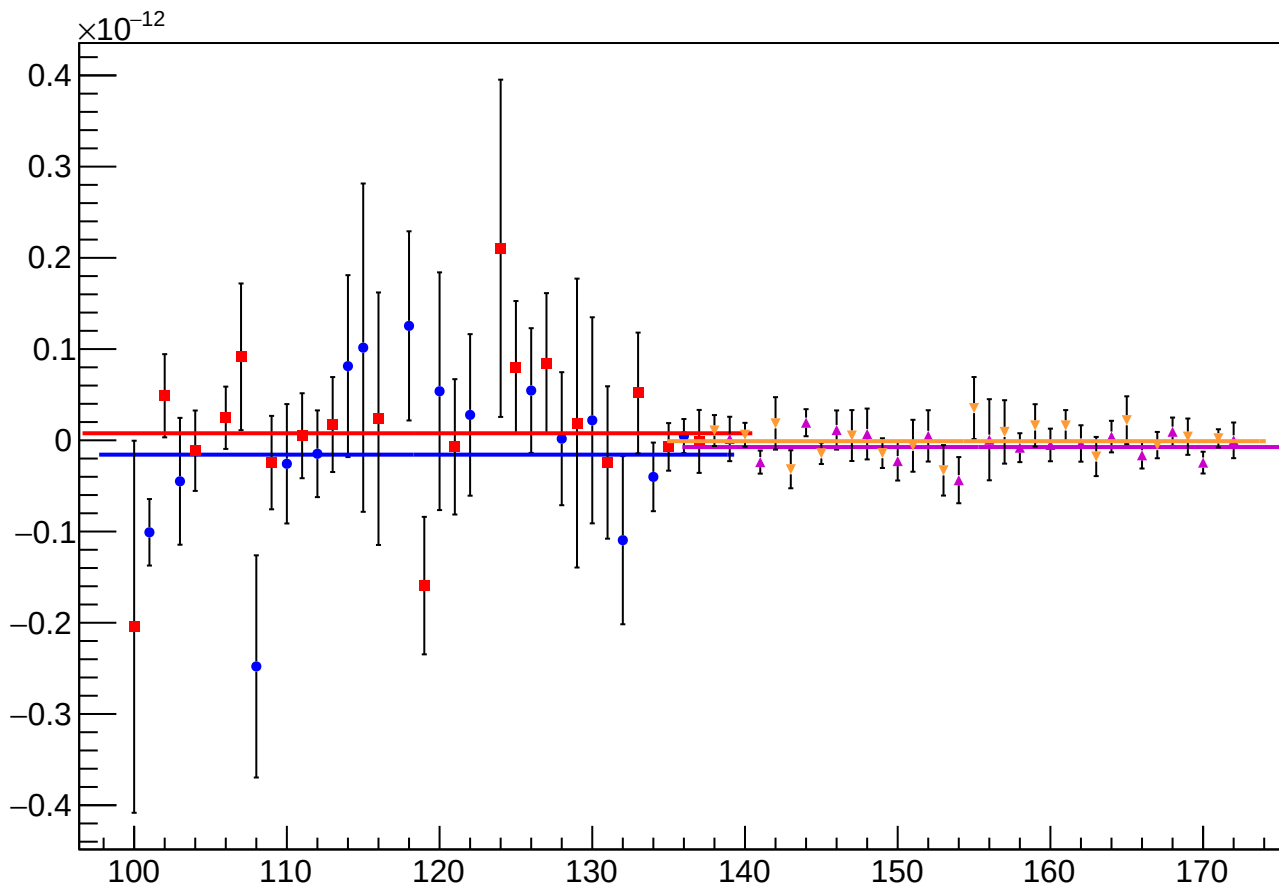
Left In: 447.531 $\pm$ 0.086 χ^2 /NDF: 923600.0/16

+ sign 490.882 $\pm$ 0.078 χ^2 /NDF: 2539594.1/33

All: 486.555 $\pm$ 0.054 χ^2 /NDF: 5064340.0/69

- sign 482.391 $\pm$ 0.076 χ^2 /NDF: 2518633.6/35

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.9/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.2/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.0/18

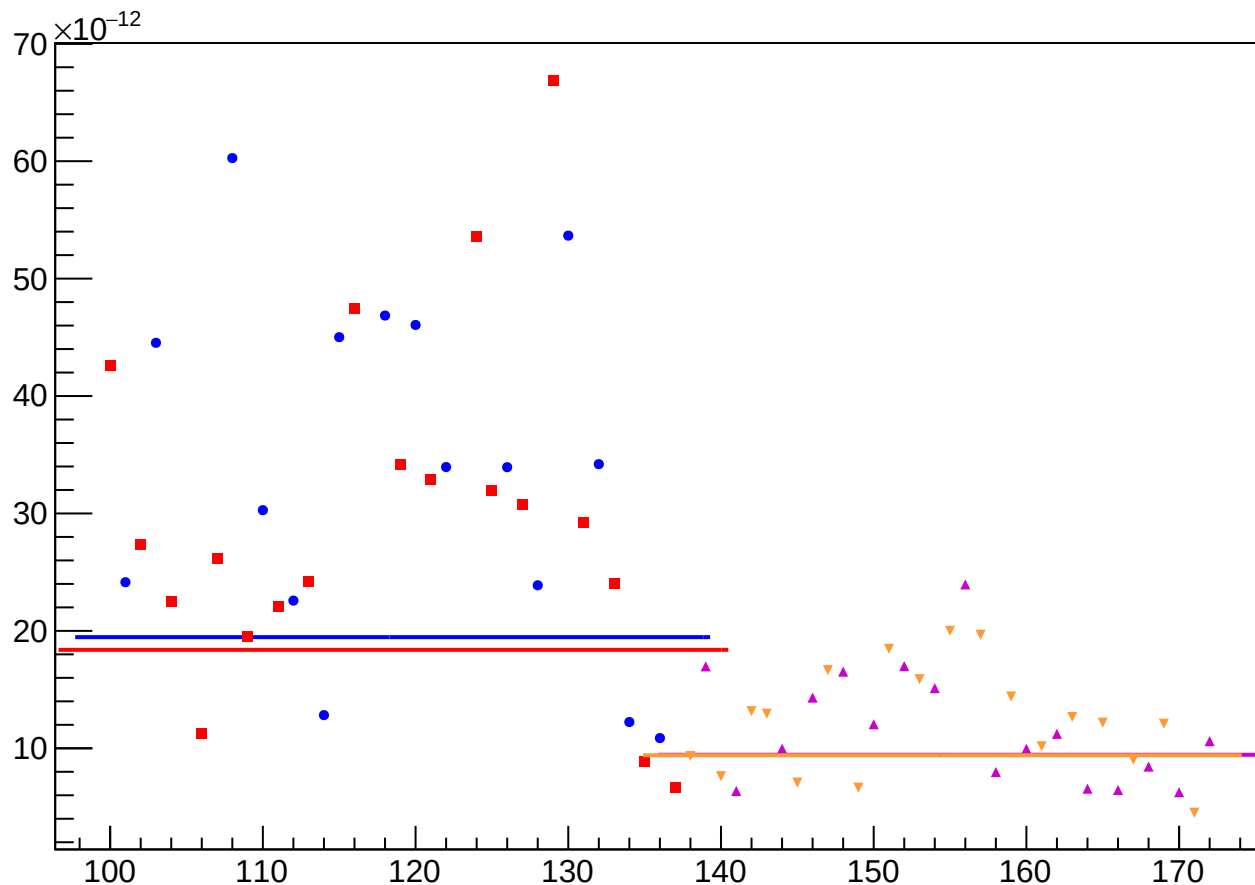
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.3/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 57.1/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/35

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1767339.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1444777.6/18

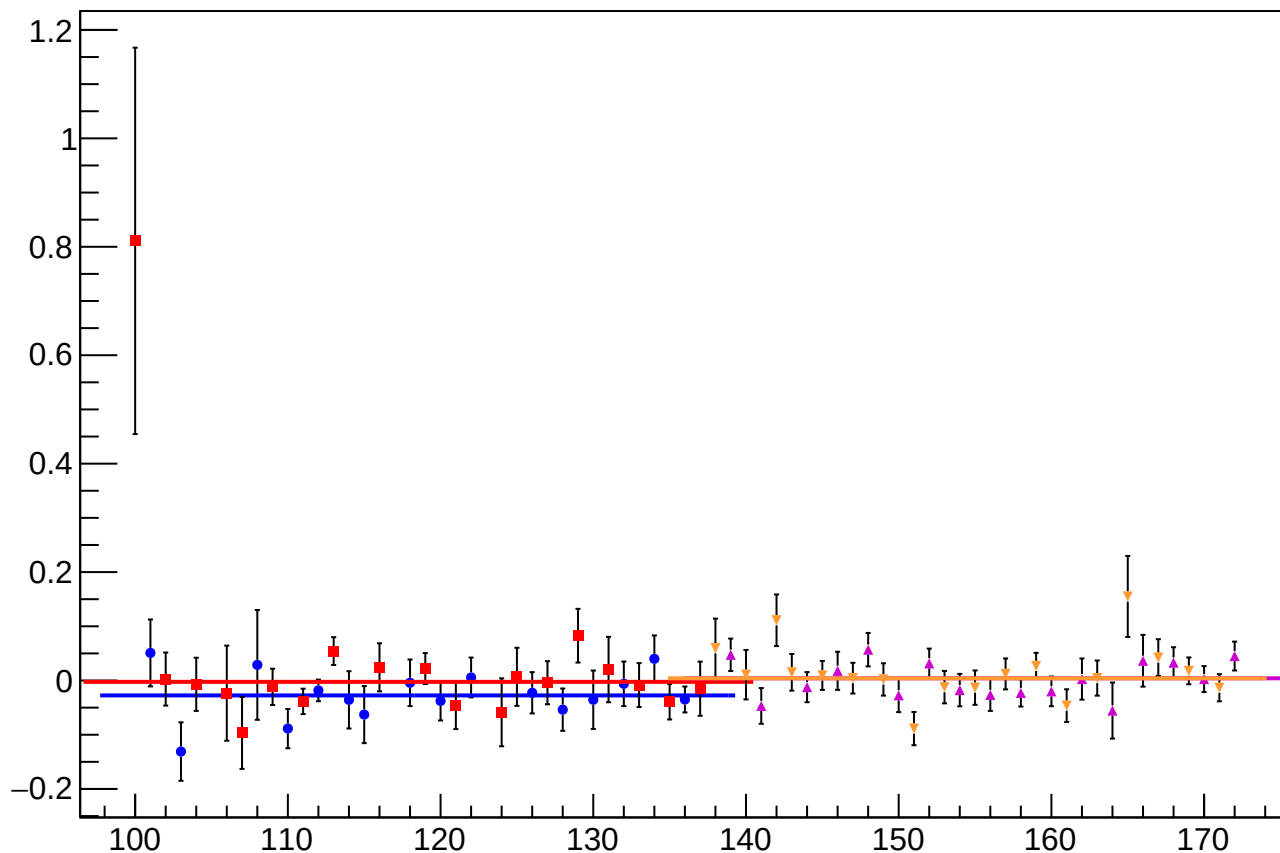
Left In: 0.000+/-0.000 χ^2/NDF : 1365426.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 4646690.5/33

All: 0.000+/-0.000 χ^2/NDF : 8414743.0/69

- sign 0.000+/-0.000 χ^2/NDF : 3767981.4/35

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

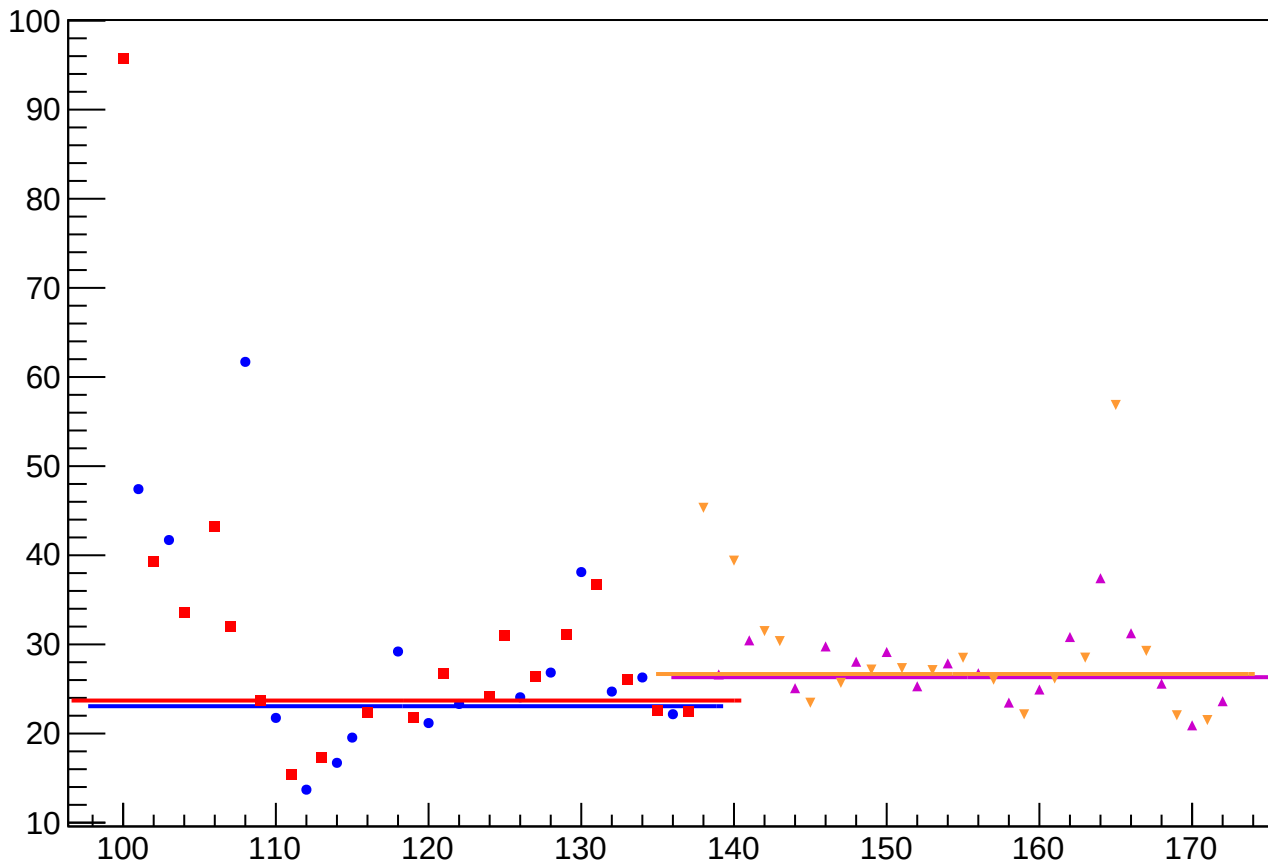
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/16

+ sign -0.008 ± 0.006 χ^2/NDF : 46.6/33

All: -0.003 ± 0.004 χ^2/NDF : 89.1/69

- sign 0.002 ± 0.006 χ^2/NDF : 41.1/35

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

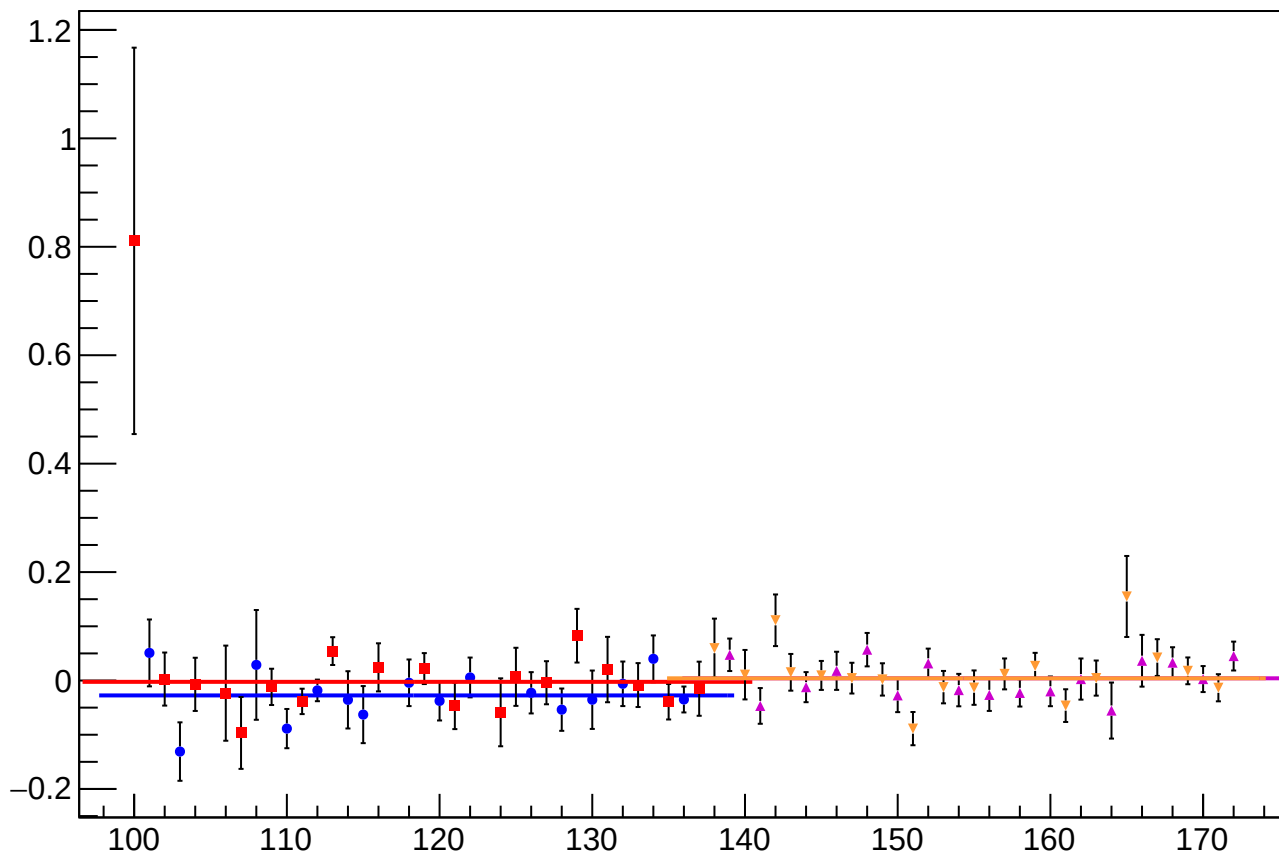
Left In: 26.323+/-0.005 χ^2/NDF : 382404.1/16

+ sign 25.300+/-0.004 χ^2/NDF : 2793497.8/33

All: 25.310+/-0.003 χ^2/NDF : 4362579.3/69

- sign 25.319+/-0.004 χ^2/NDF : 1569070.3/35

asym_sam_15_48_dd_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

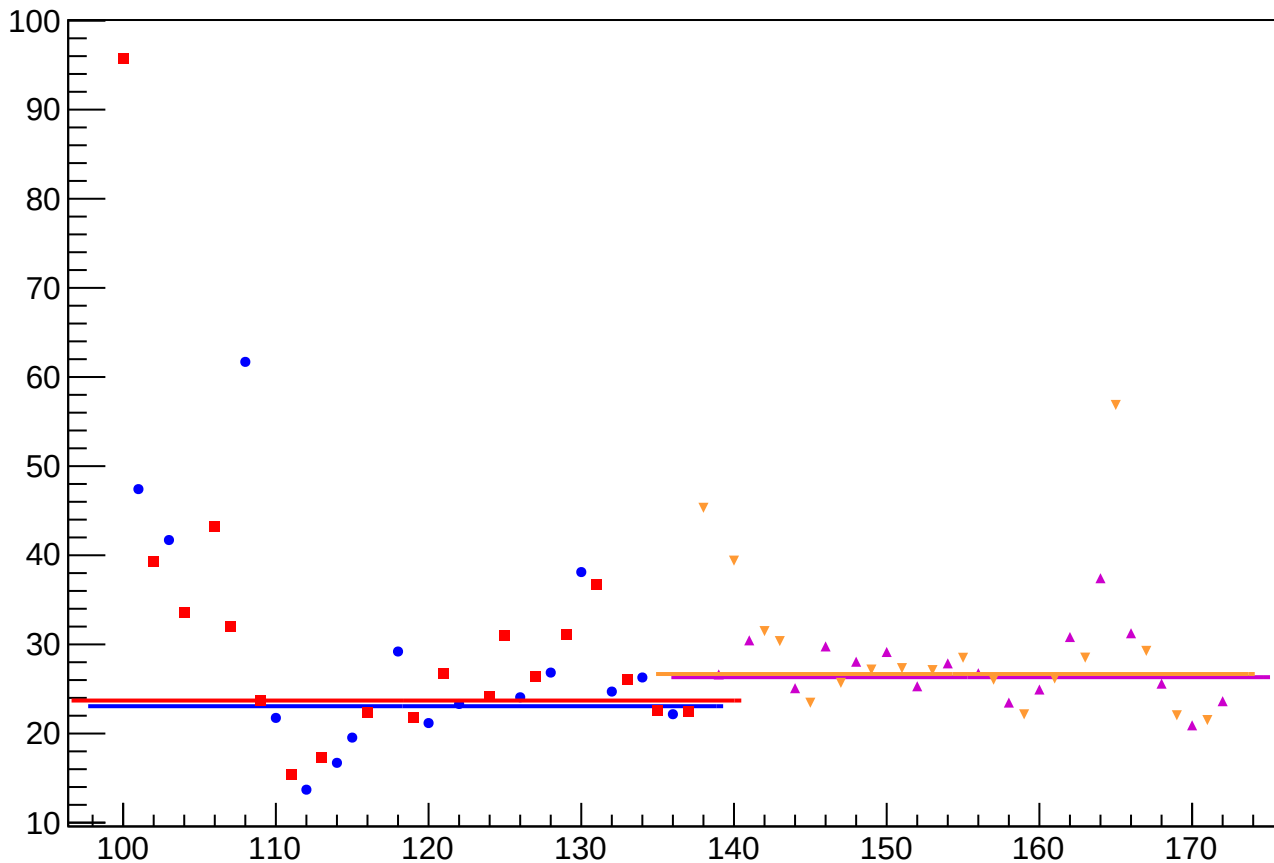
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/16

+ sign -0.008 ± 0.006 χ^2/NDF : 46.6/33

All: -0.003 ± 0.004 χ^2/NDF : 89.1/69

- sign 0.002 ± 0.006 χ^2/NDF : 41.1/35

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.066 $\pm$ 0.007 χ^2 /NDF: 1564478.6/15

Left Out: 26.678 $\pm$ 0.005 χ^2 /NDF: 1046084.0/17

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088494.2/18

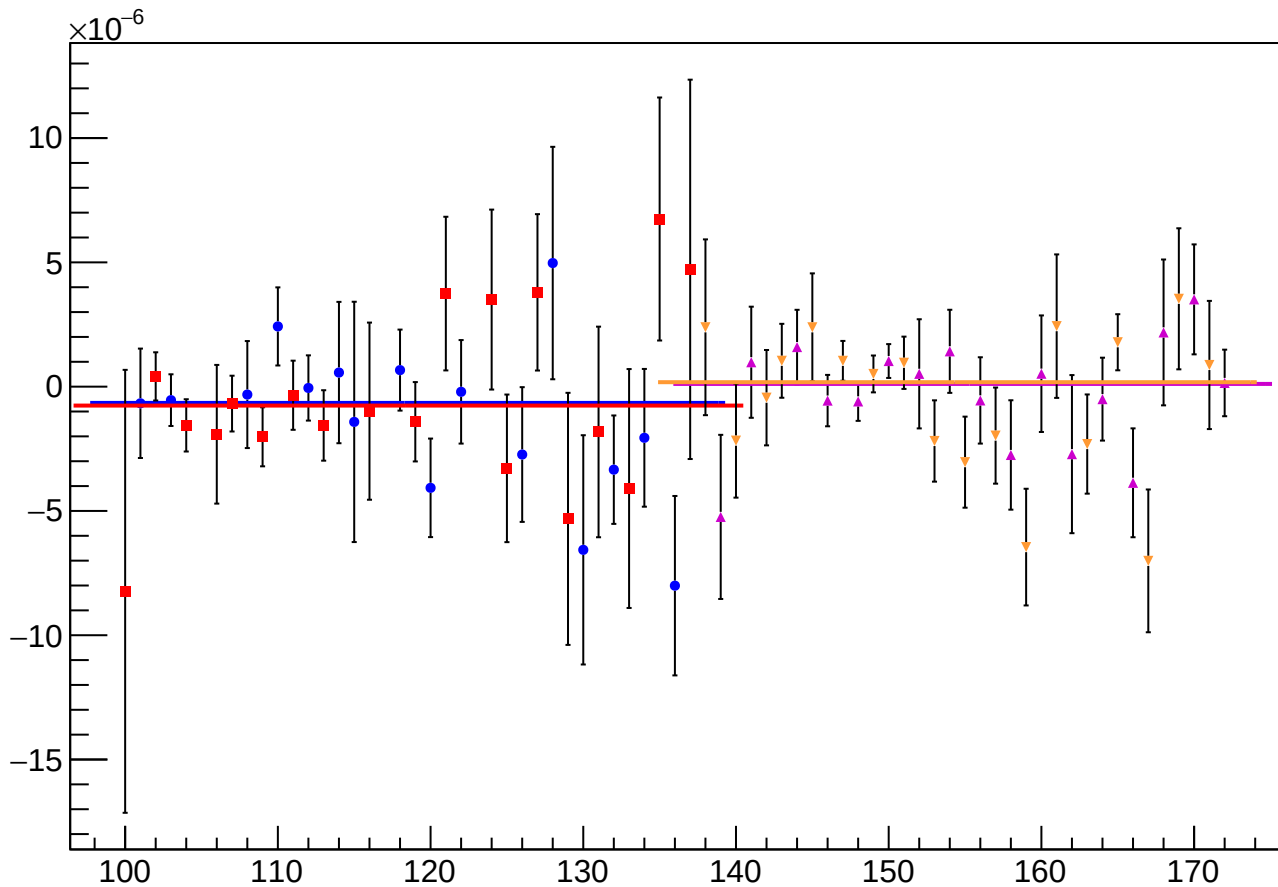
Left In: 26.323 $\pm$ 0.005 χ^2 /NDF: 382404.1/16

+ sign 25.300 $\pm$ 0.004 χ^2 /NDF: 2793497.8/33

All: 25.310 $\pm$ 0.003 χ^2 /NDF: 4362579.3/69

- sign 25.319 $\pm$ 0.004 χ^2 /NDF: 1569070.3/35

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:31.1/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.2/18

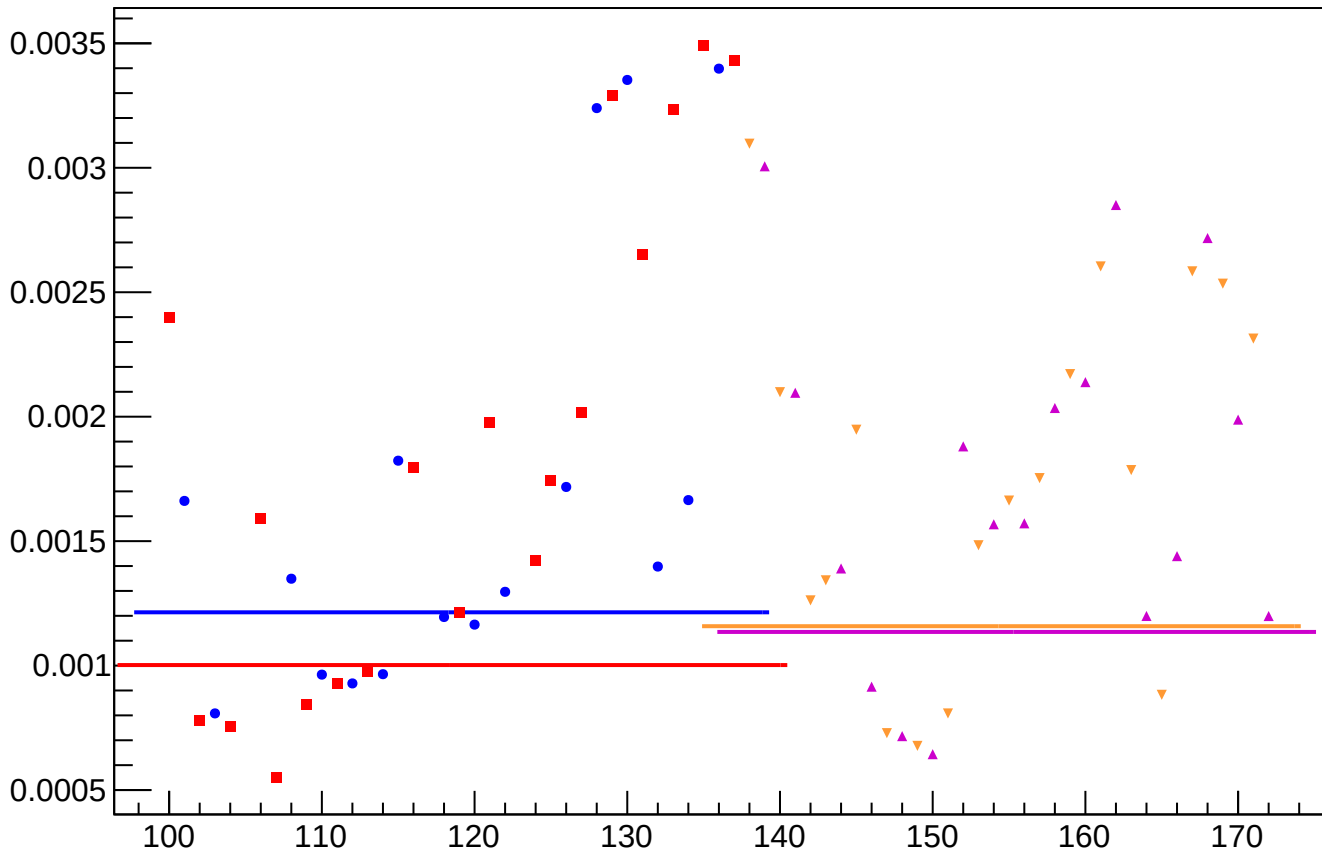
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.4/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.6/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 84.9/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 34.2/35

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF : 5853288.0/17

Right Out: 0.001+/-0.000 χ^2/NDF : 3277225.7/18

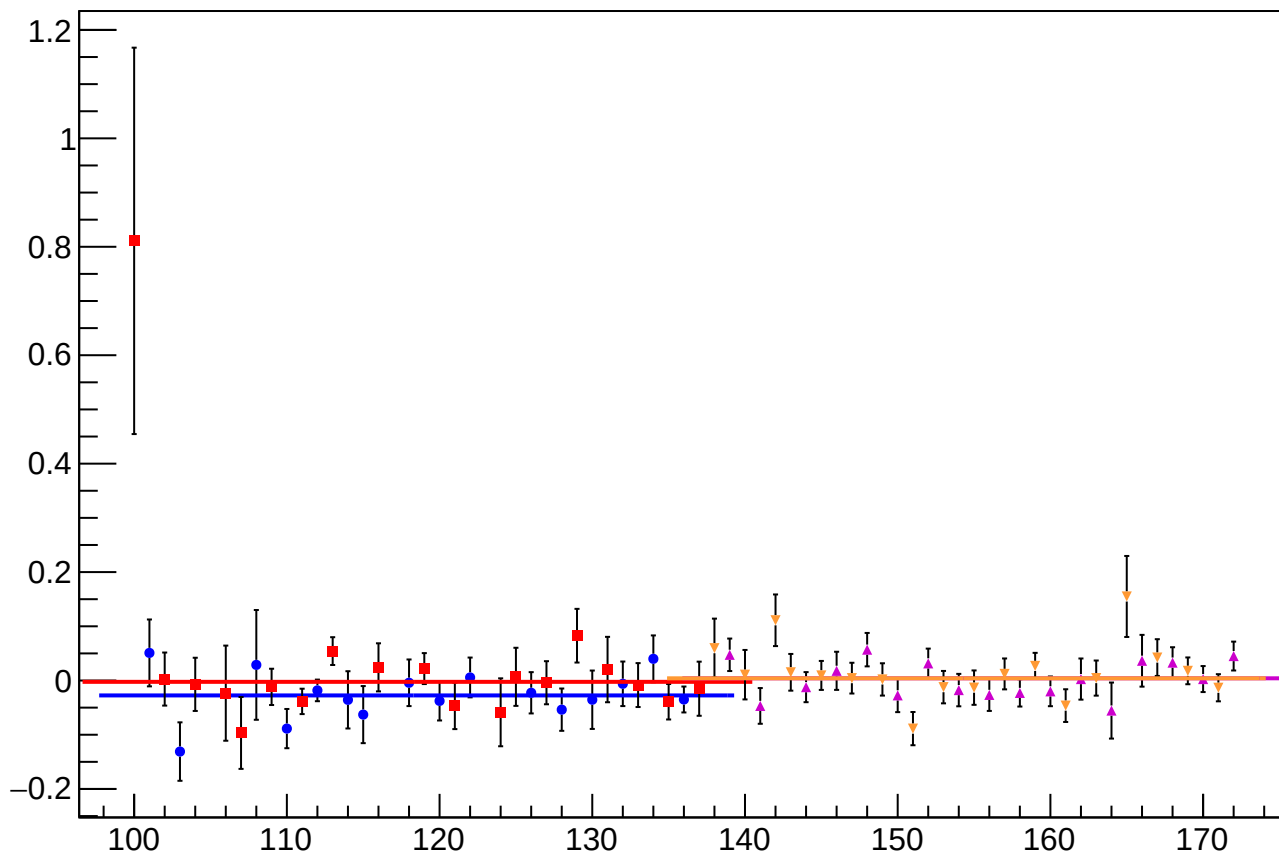
Left In: 0.001+/-0.000 χ^2/NDF : 5473499.6/16

+ sign 0.001+/-0.000 χ^2/NDF : 8137447.0/33

All: 0.001+/-0.000 χ^2/NDF : 17126577.1/69

- sign 0.001+/-0.000 χ^2/NDF : 8870310.2/35

asym_sam_15_48_dd_eigen_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

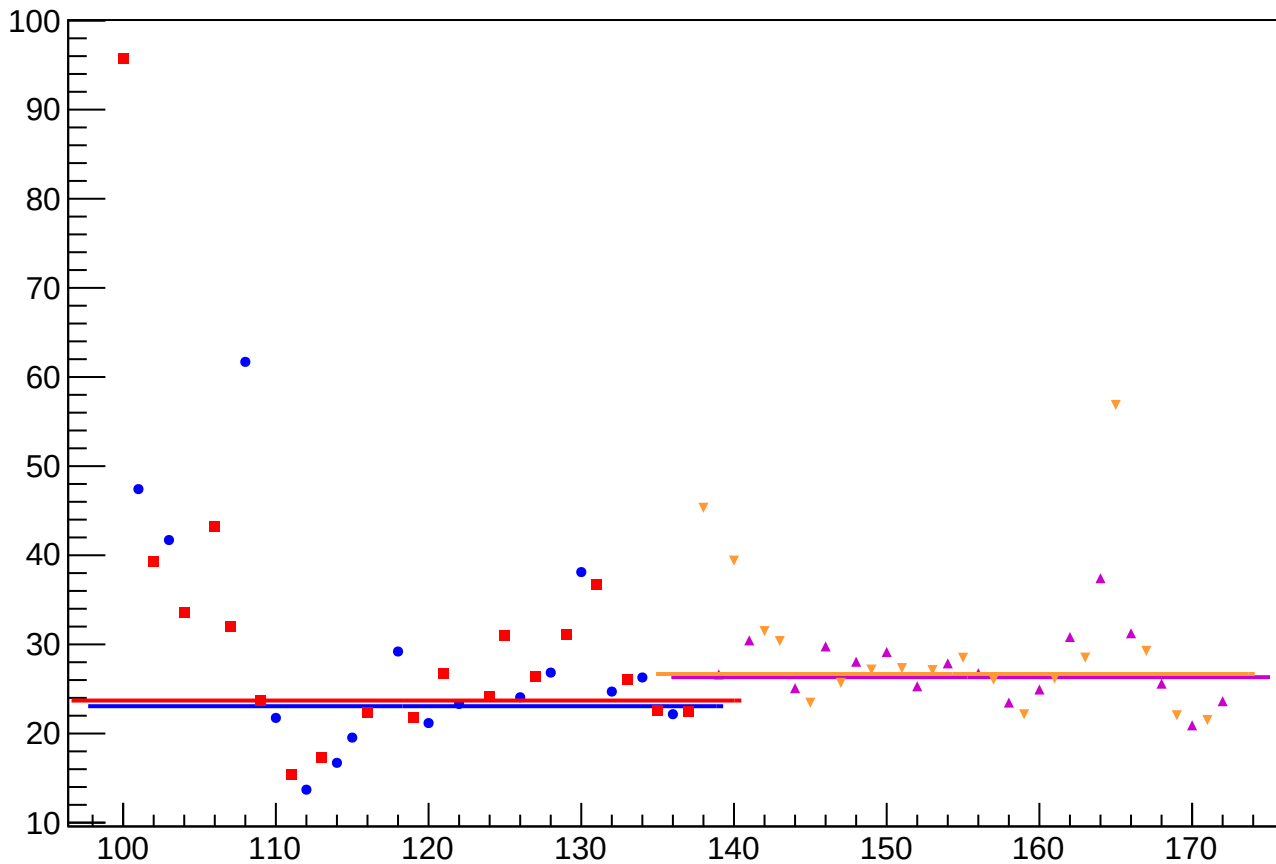
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/16

+ sign -0.008 ± 0.006 χ^2/NDF : 46.6/33

All: -0.003 ± 0.004 χ^2/NDF : 89.1/69

- sign 0.002 ± 0.006 χ^2/NDF : 41.1/35

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.065 $\pm$ 0.007 χ^2 /NDF: 1564493.0/15

Left Out: 26.679 $\pm$ 0.005 χ^2 /NDF: 1046021.3/17

Right Out: 23.702 $\pm$ 0.007 χ^2 /NDF: 1088531.8/18

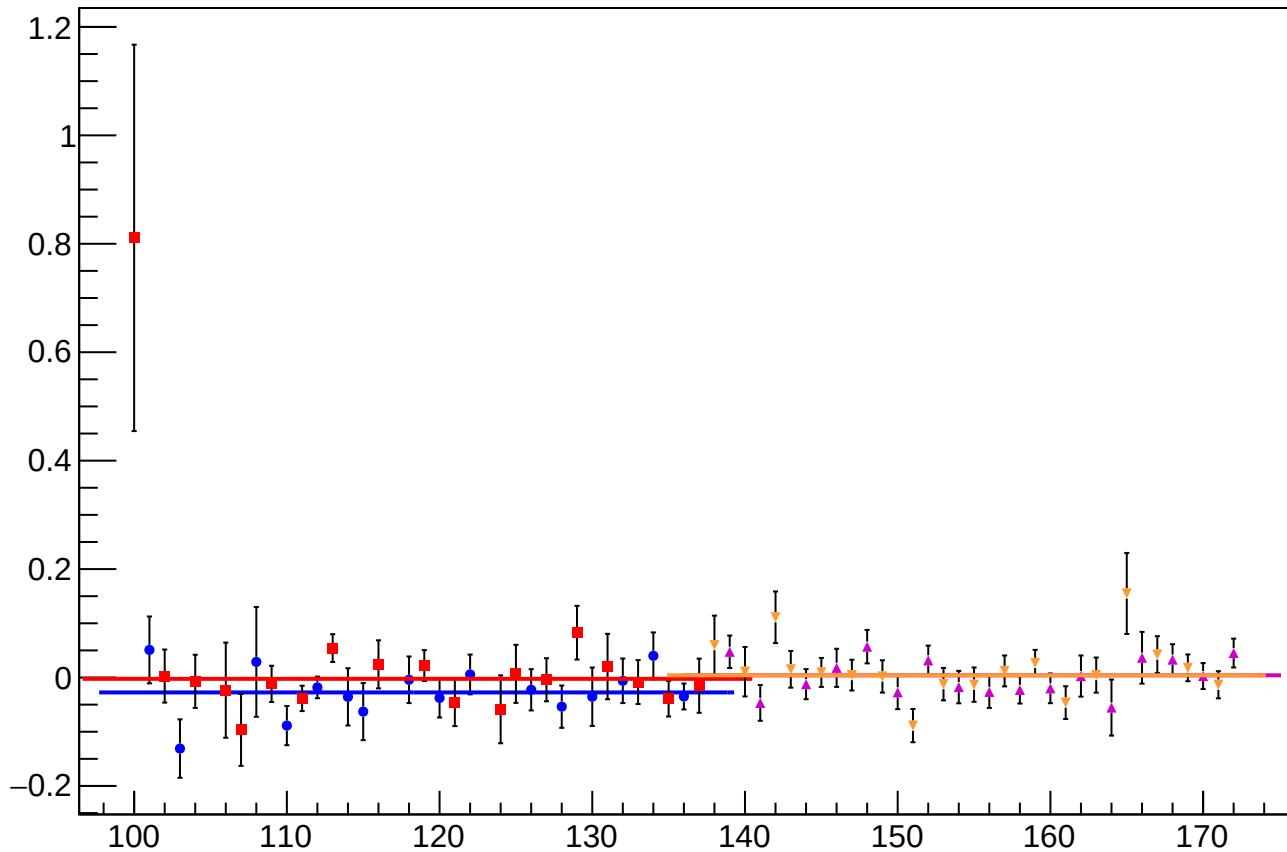
Left In: 26.323 $\pm$ 0.005 χ^2 /NDF: 382406.8/16

+ sign 25.300 $\pm$ 0.004 χ^2 /NDF: 2793508.1/33

All: 25.310 $\pm$ 0.003 χ^2 /NDF: 4362663.7/69

- sign 25.319 $\pm$ 0.004 χ^2 /NDF: 1569144.5/35

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

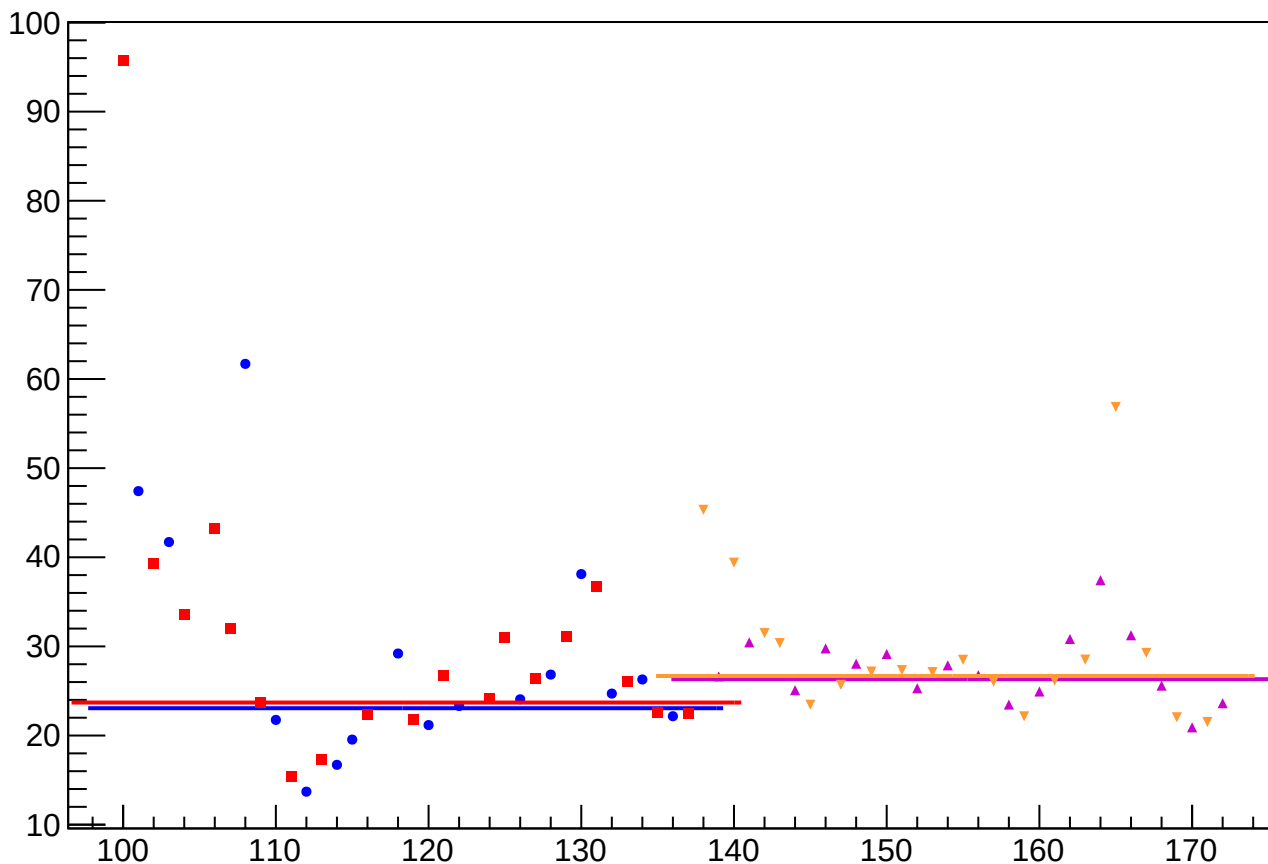
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/16

+ sign -0.008 ± 0.006 χ^2/NDF : 46.6/33

All: -0.003 ± 0.004 χ^2/NDF : 89.1/69

- sign 0.002 ± 0.006 χ^2/NDF : 41.1/35

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

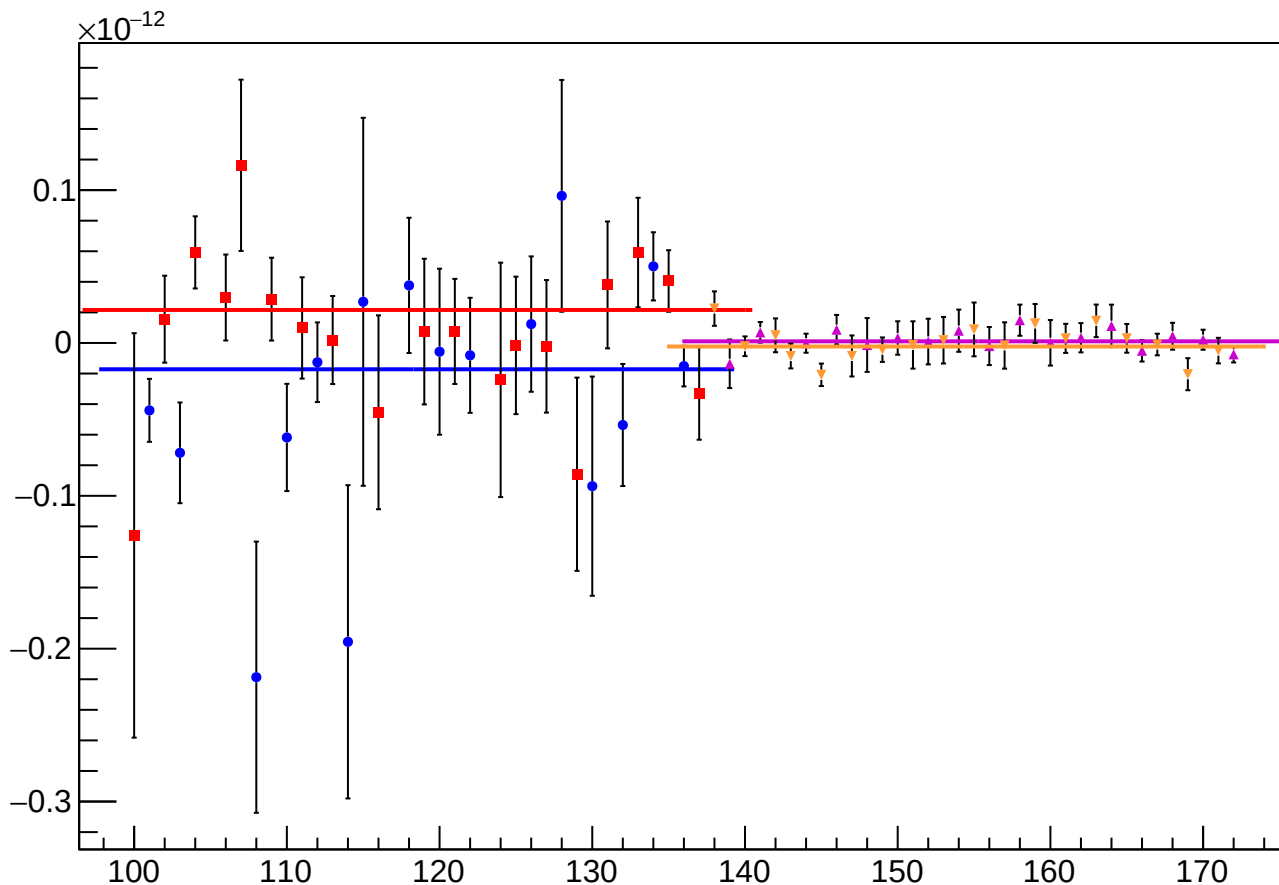
Left In: 26.323+/-0.005 χ^2/NDF : 382406.8/16

+ sign 25.300+/-0.004 χ^2/NDF : 2793508.1/33

All: 25.310+/-0.003 χ^2/NDF : 4362663.7/69

- sign 25.319+/-0.004 χ^2/NDF : 1569144.5/35

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

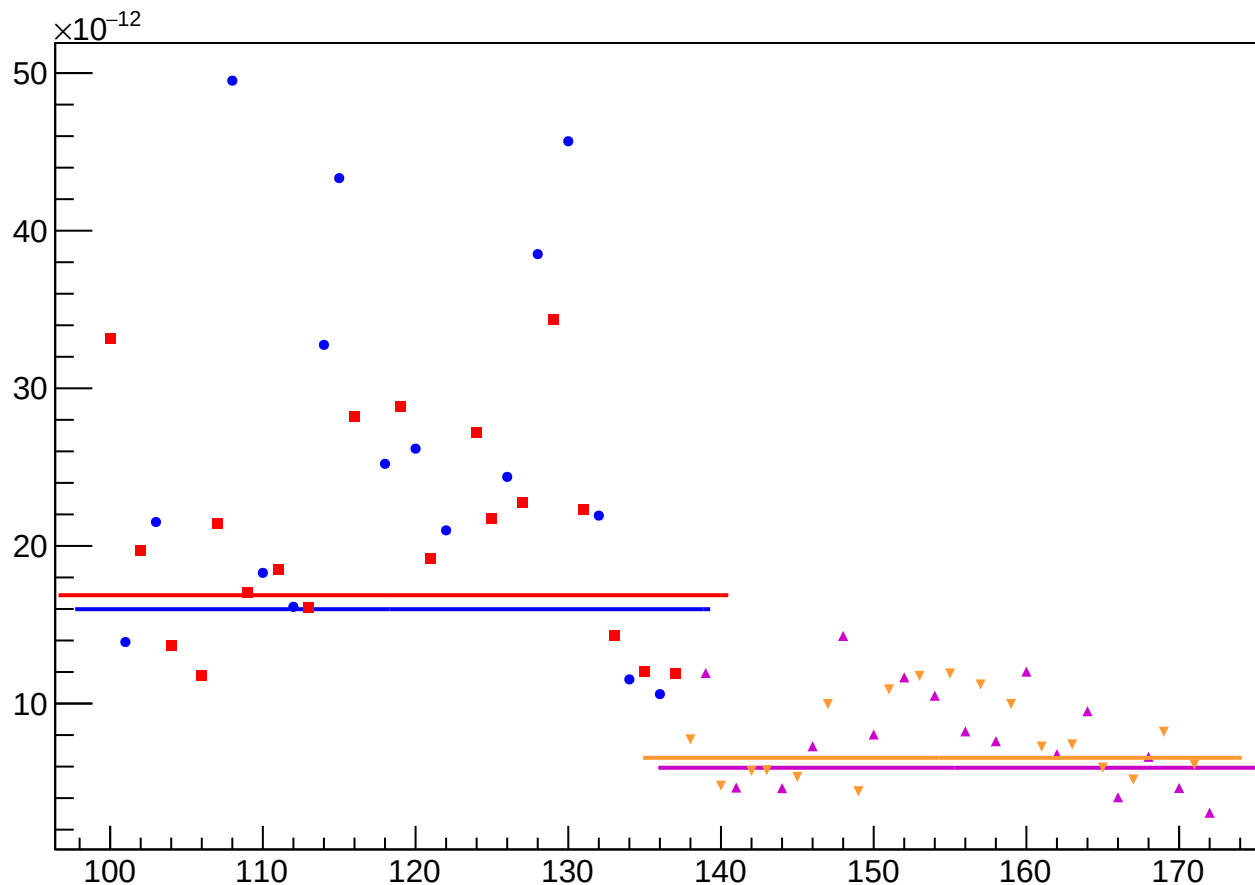
Left In: 0.000 ± 0.000 χ^2/NDF : 8.5/16

+ sign -0.000 ± 0.000 χ^2/NDF : 53.9/33

All: -0.000 ± 0.000 χ^2/NDF : 90.6/69

- sign 0.000 ± 0.000 χ^2/NDF : 32.8/35

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1598809.1/17

Right Out: 0.000+/-0.000 χ^2/NDF : 835680.3/18

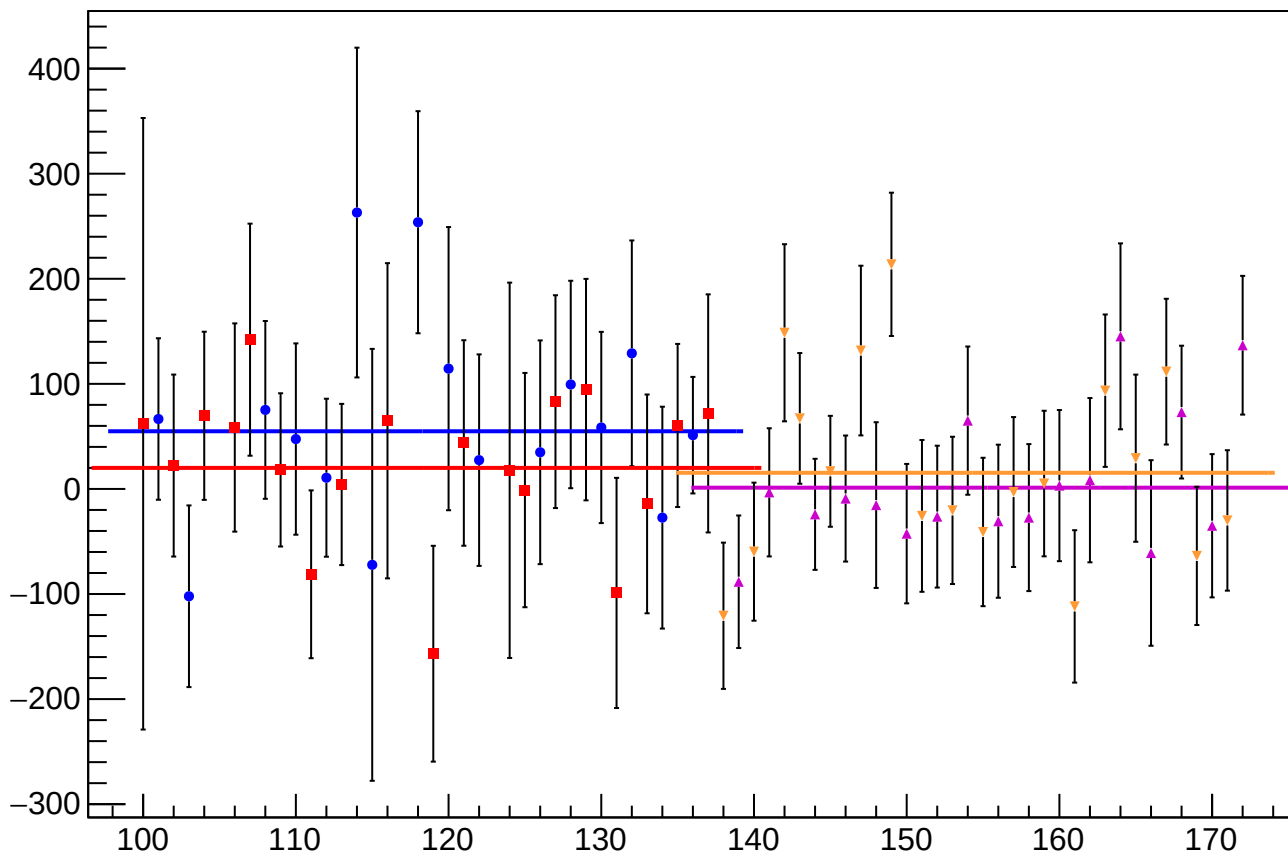
Left In: 0.000+/-0.000 χ^2/NDF : 2929546.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 6077223.6/33

All: 0.000+/-0.000 χ^2/NDF : 13499163.4/69

- sign 0.000+/-0.000 χ^2/NDF : 7340799.0/35

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.883 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: 15.358 $\pm$ 16.292 χ^2 /NDF: 28.3/17

Right Out: 20.020 $\pm$ 22.571 χ^2 /NDF: 9.2/18

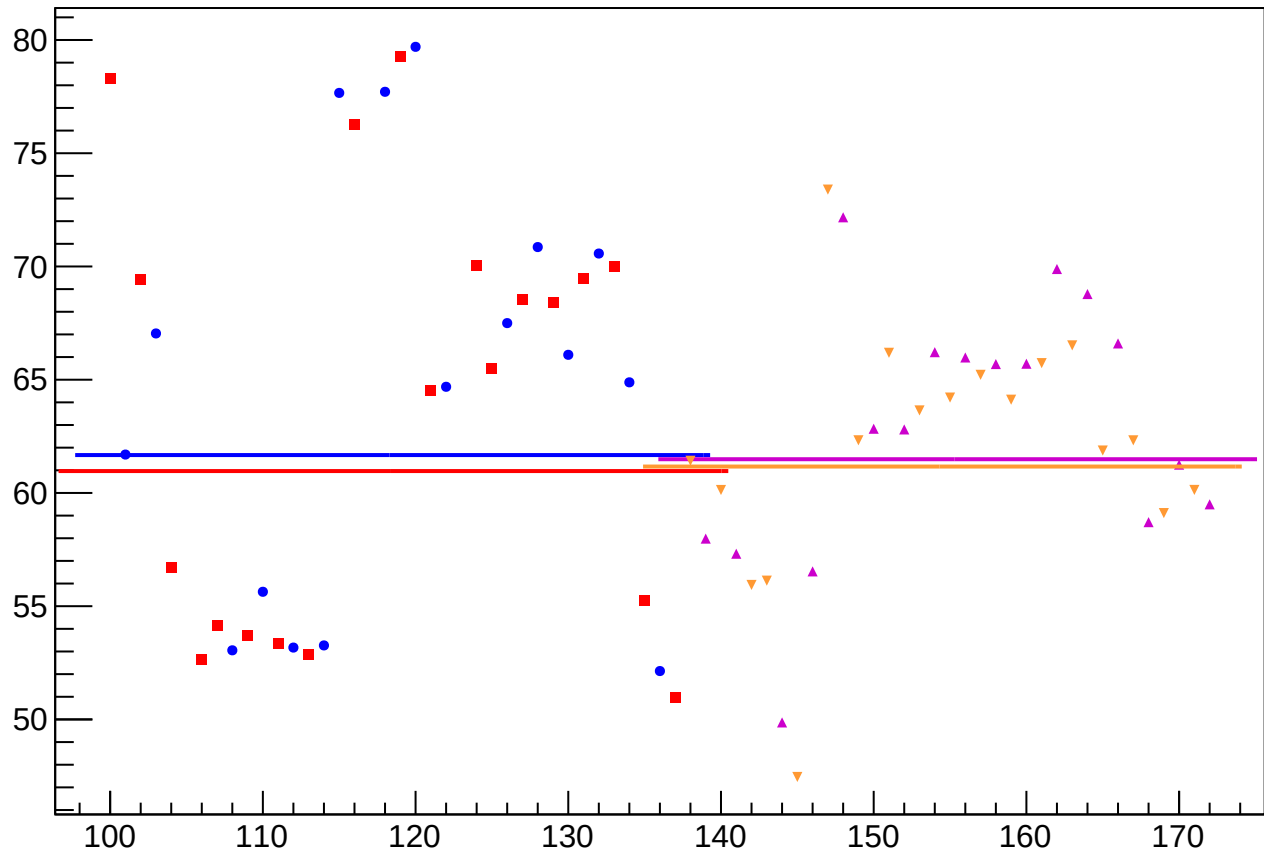
Left In: 1.194 $\pm$ 16.516 χ^2 /NDF: 13.1/16

+ sign 28.428 $\pm$ 13.329 χ^2 /NDF: 41.2/33

All: 18.093 $\pm$ 9.425 χ^2 /NDF: 65.2/69

- sign 7.759 $\pm$ 13.329 χ^2 /NDF: 22.7/35

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2 /NDF: 267108.1/15

Left Out: 61.166 $\pm$ 0.012 χ^2 /NDF: 250622.1/17

Right Out: 60.967 $\pm$ 0.016 χ^2 /NDF: 284183.4/18

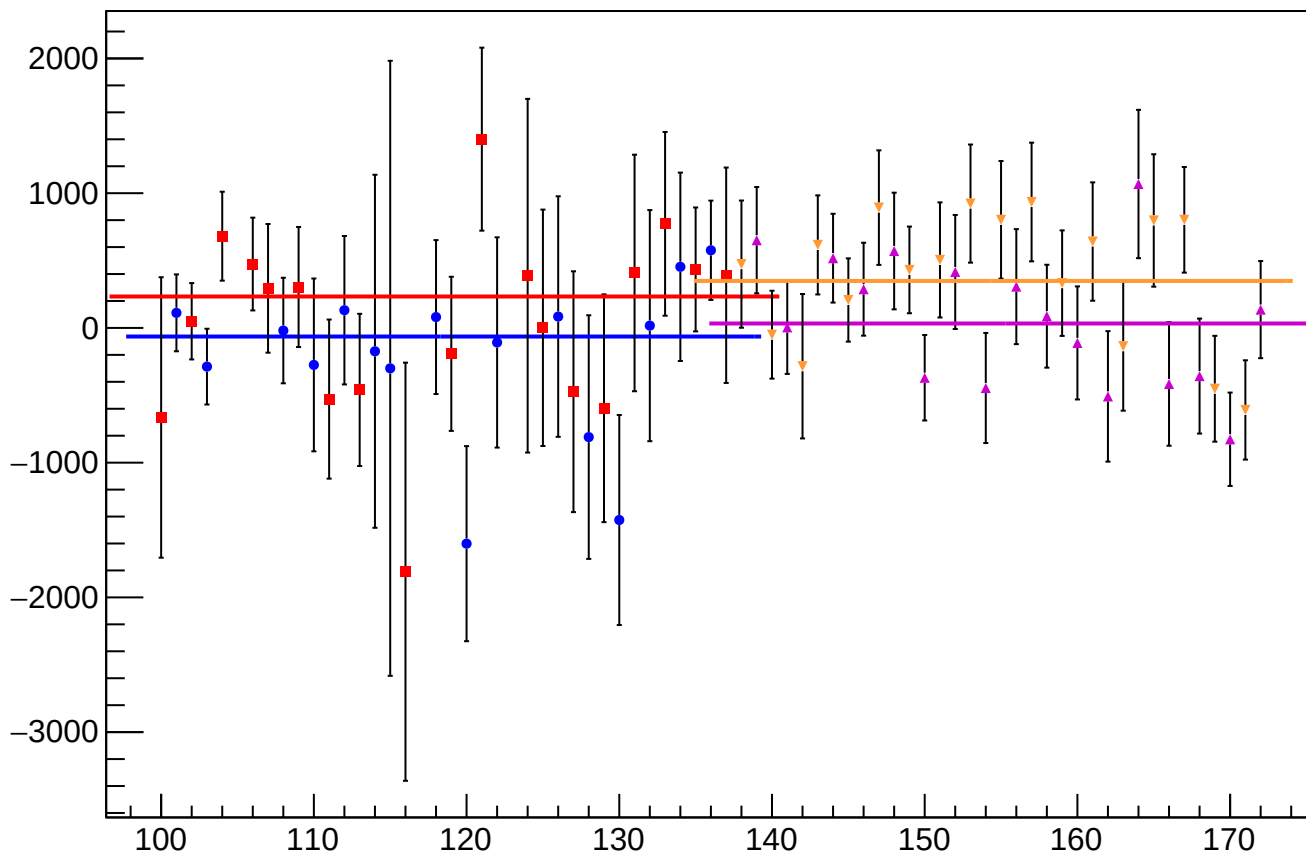
Left In: 61.490 $\pm$ 0.012 χ^2 /NDF: 243983.0/16

+ sign 61.334 $\pm$ 0.009 χ^2 /NDF: 518370.6/33

All: 61.320 $\pm$ 0.007 χ^2 /NDF: 1047240.5/69

- sign 61.307 $\pm$ 0.009 χ^2 /NDF: 528866.0/35

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -63.834 ± 129.674 χ^2/NDF : 13.2/15

Left Out: 348.813 ± 94.448 χ^2/NDF : 24.6/17

Right Out: 233.206 ± 122.791 χ^2/NDF : 14.5/18

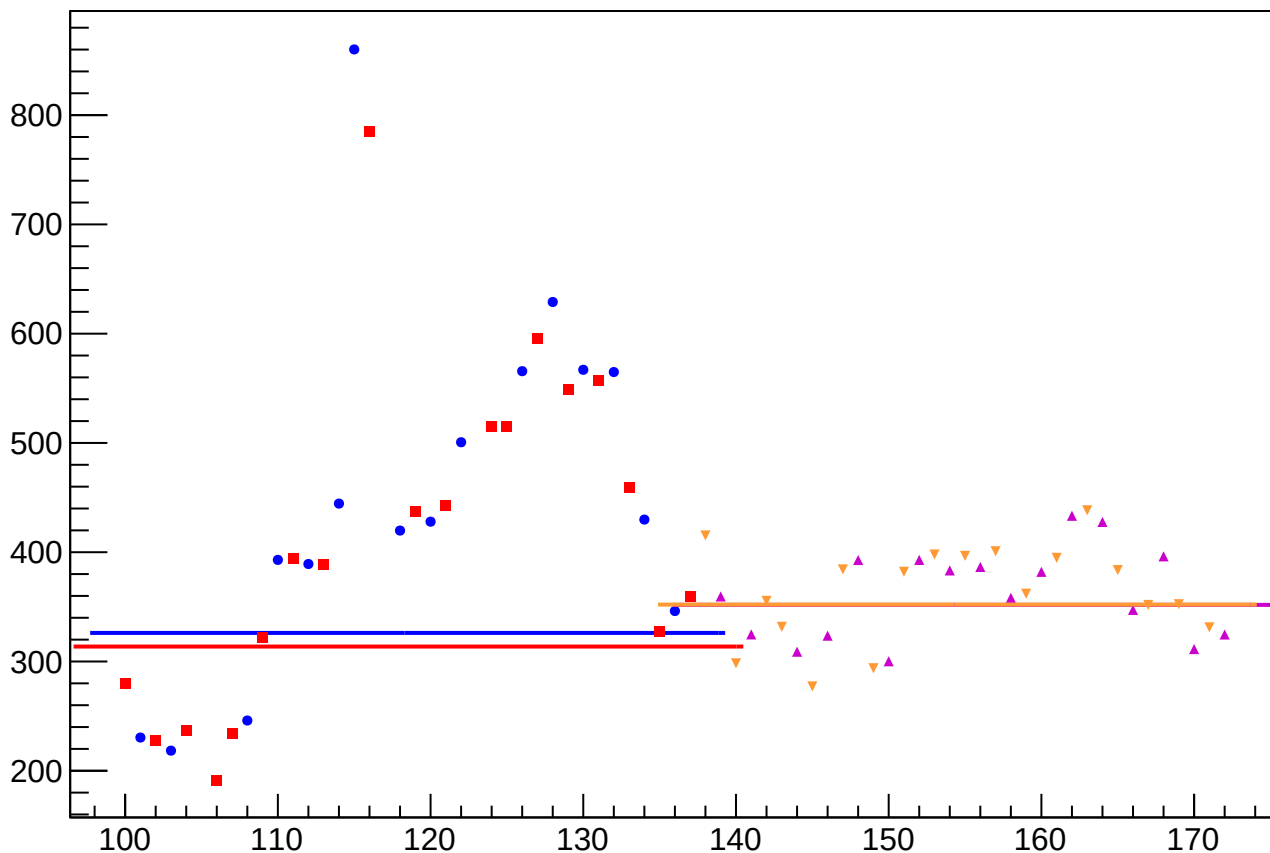
Left In: 32.868 ± 94.870 χ^2/NDF : 23.9/16

+ sign 205.783 ± 76.345 χ^2/NDF : 44.5/33

All: 155.945 ± 53.529 χ^2/NDF : 85.3/69

- sign 107.754 ± 75.073 χ^2/NDF : 40.1/35

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

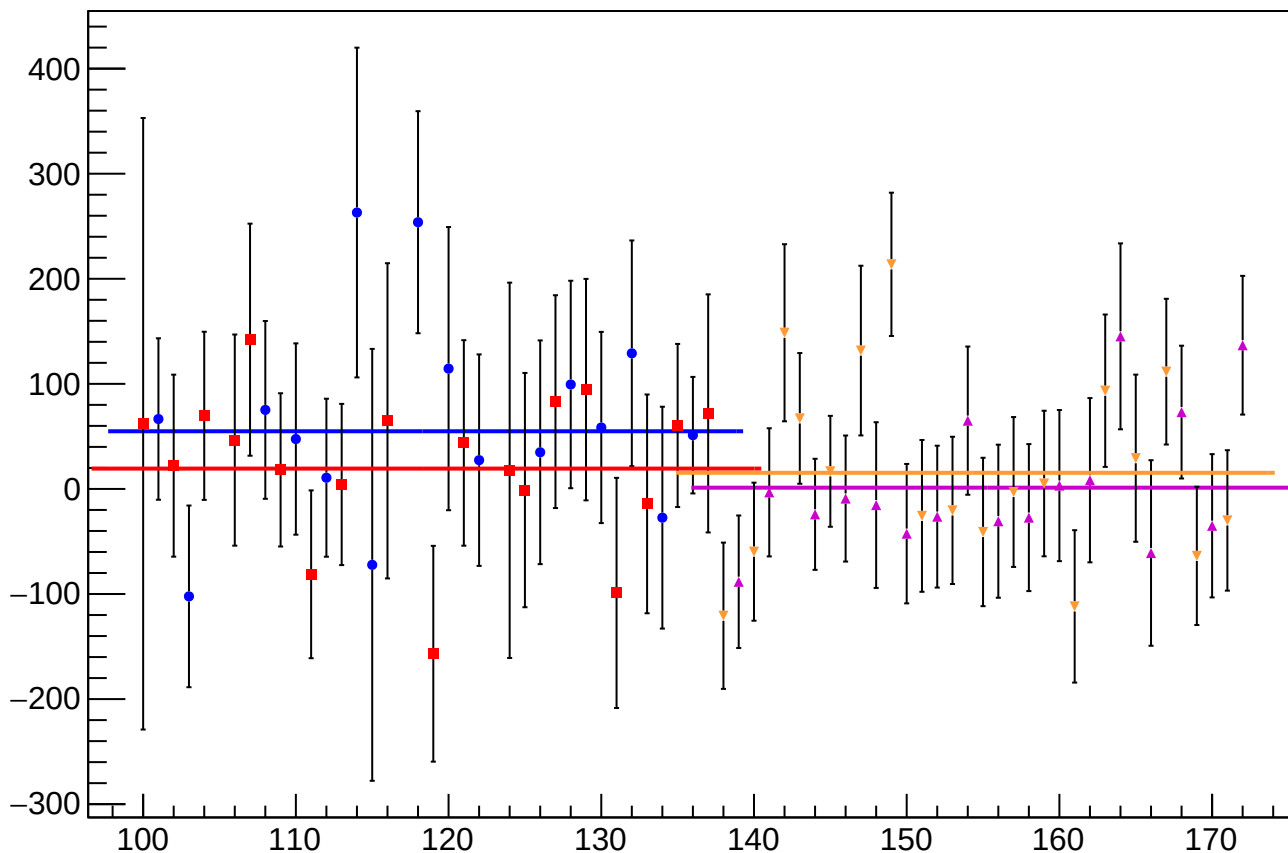
Left In: 351.797+/-0.067 χ^2/NDF : 341241.5/16

+ sign 343.087+/-0.054 χ^2/NDF : 2254478.6/33

All: 340.270+/-0.038 χ^2/NDF : 4509155.2/69

- sign 337.546+/-0.053 χ^2/NDF : 2249320.1/35

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

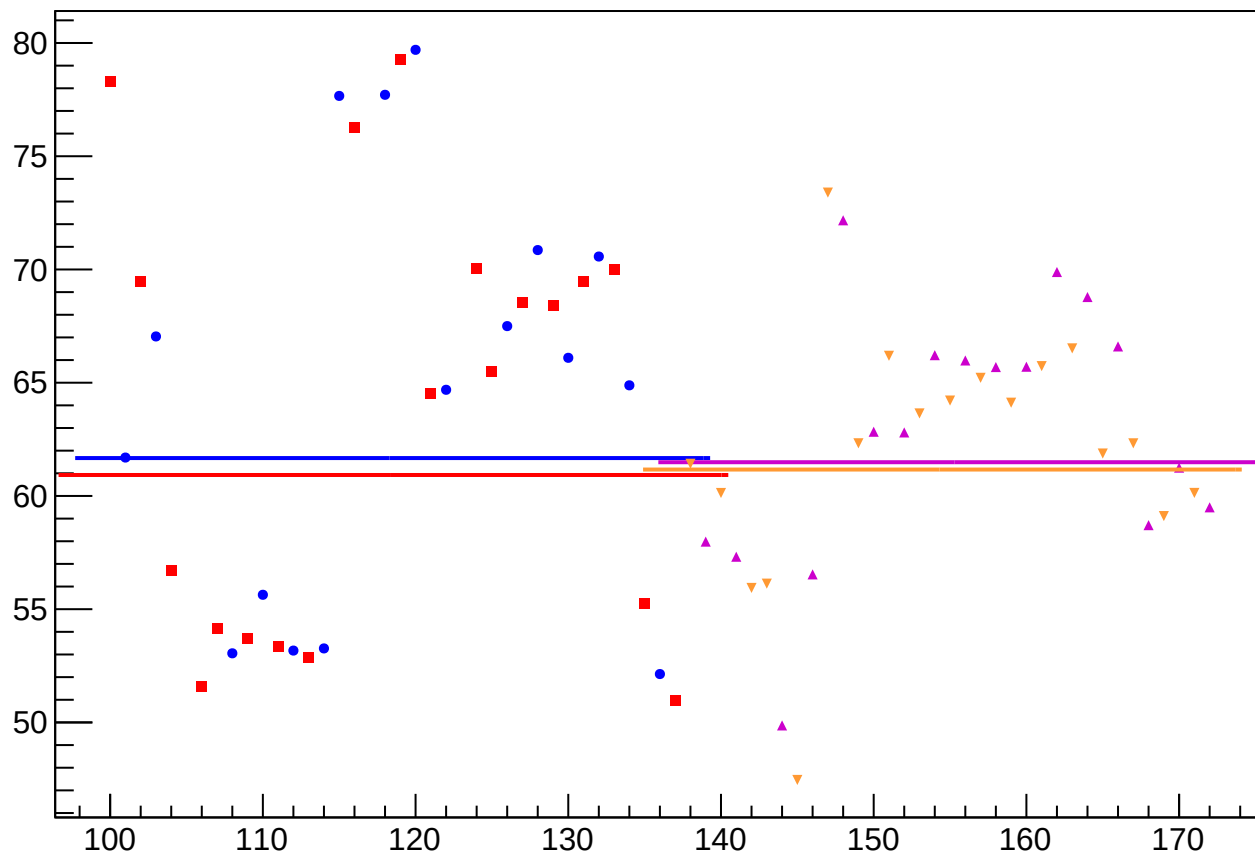
Left In: 1.194 ± 16.516 χ^2/NDF : 13.1/16

+ sign 28.426 ± 13.329 χ^2/NDF : 41.2/33

All: 17.976 ± 9.426 χ^2/NDF : 65.1/69

- sign 7.520 ± 13.332 χ^2/NDF : 22.6/35

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

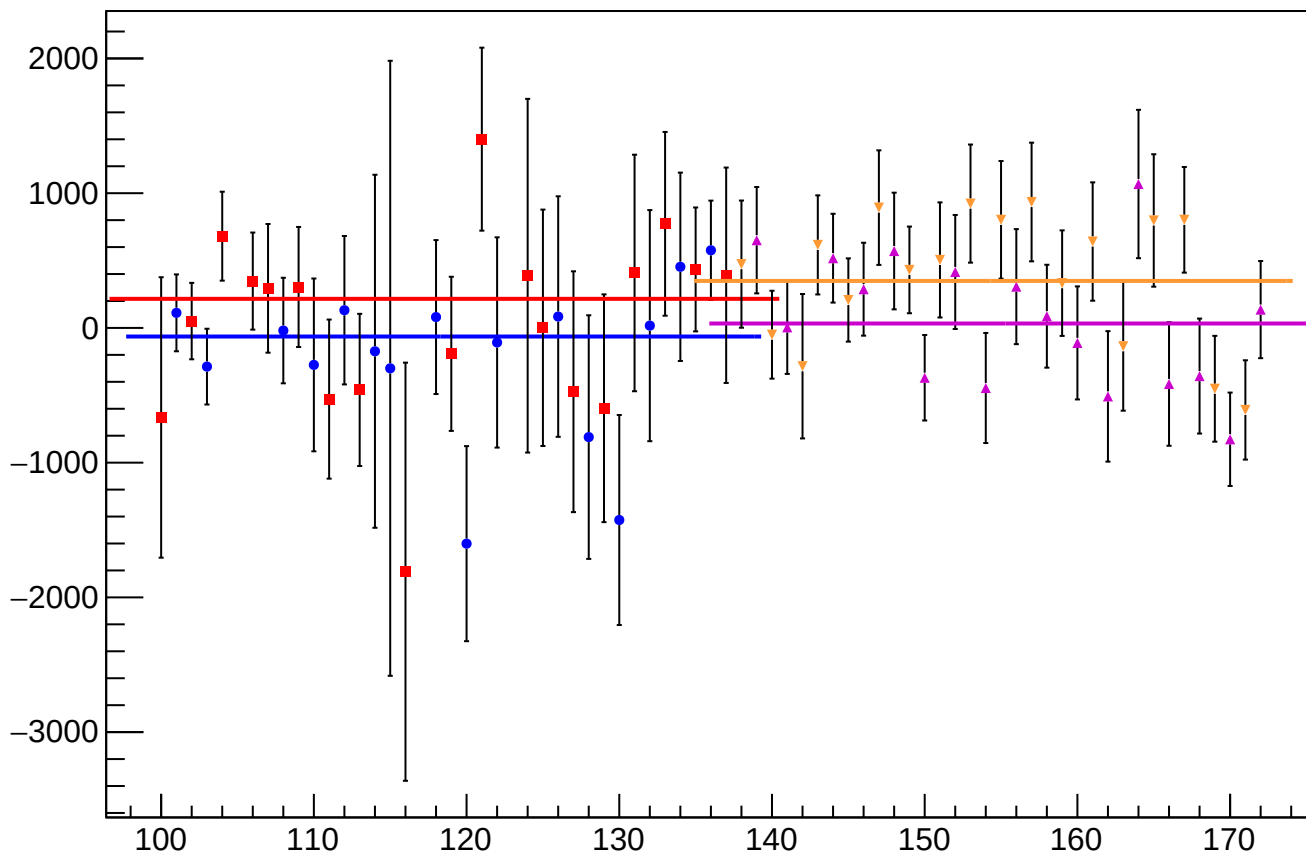
Left In: 61.490+/-0.012 χ^2/NDF : 243983.0/16

+ sign 61.334+/-0.009 χ^2/NDF : 518370.8/33

All: 61.313+/-0.007 χ^2/NDF : 1050755.0/69

- sign 61.293+/-0.009 χ^2/NDF : 532375.0/35

asym_sam_37_48_dd_cor_correction_mean vs Slug



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

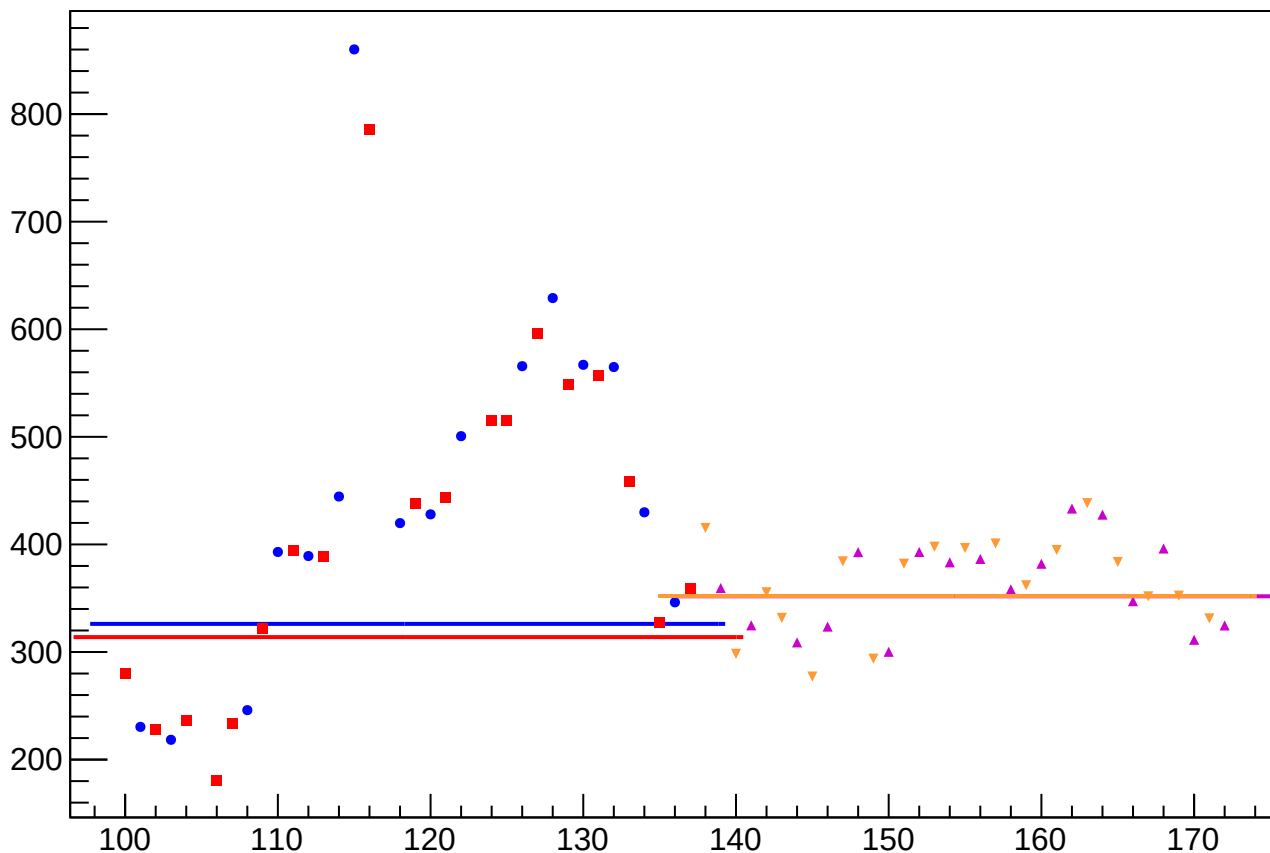
Left In: 32.868 ± 94.870 χ^2/NDF : 23.9/16

+ sign 205.789 ± 76.345 χ^2/NDF : 44.5/33

All: 152.525 ± 53.586 χ^2/NDF : 84.8/69

- sign 100.803 ± 75.232 χ^2/NDF : 39.4/35

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 326.150 $\pm$ 0.092 χ^2 /NDF: 1733934.7/15

Left Out: 352.073 $\pm$ 0.067 χ^2 /NDF: 468248.2/17

Right Out: 313.861 $\pm$ 0.087 χ^2 /NDF: 1805779.4/18

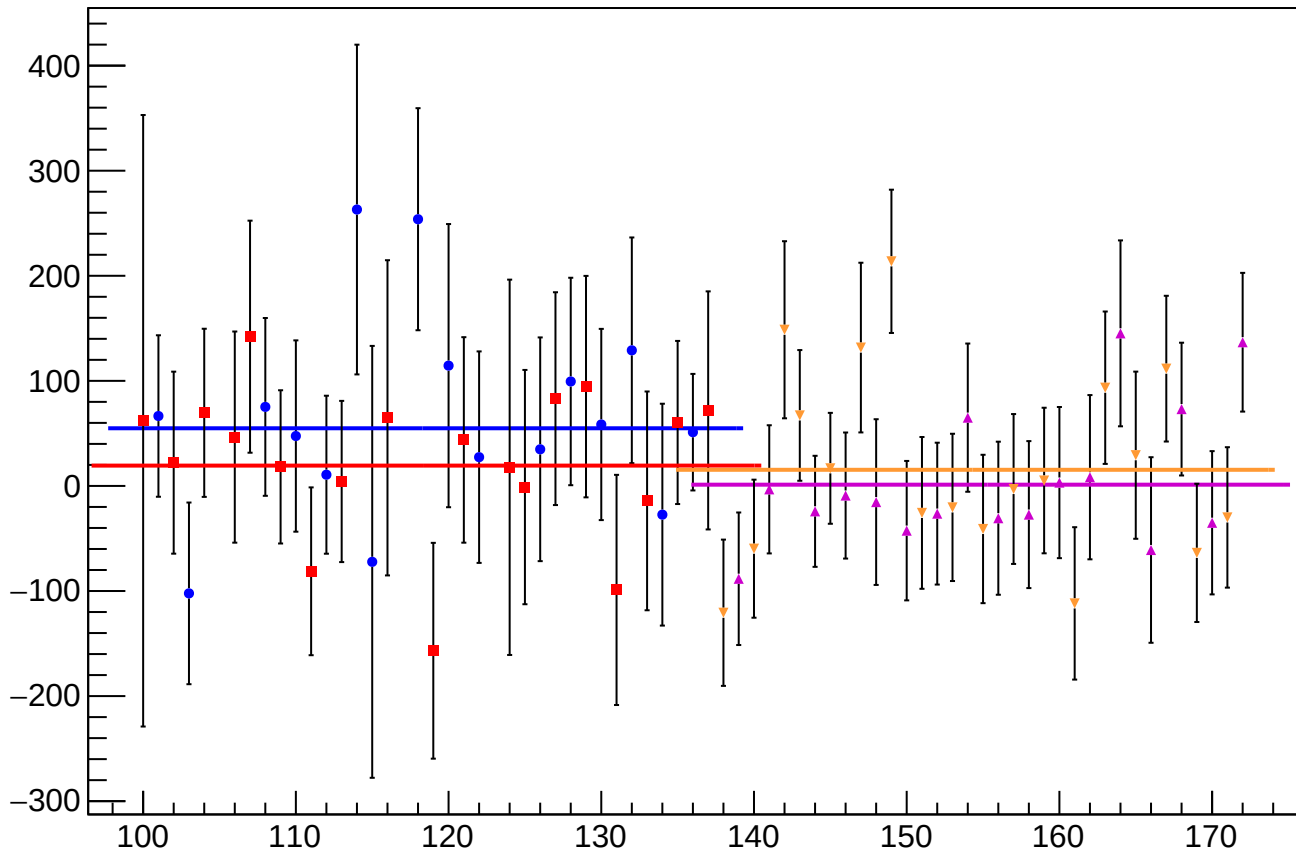
Left In: 351.797 $\pm$ 0.067 χ^2 /NDF: 341243.0/16

+ sign 343.088 $\pm$ 0.054 χ^2 /NDF: 2254405.2/33

All: 340.363 $\pm$ 0.038 χ^2 /NDF: 4525138.1/69

- sign 337.717 $\pm$ 0.053 χ^2 /NDF: 2265711.2/35

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.877 $\pm$ 23.179 χ^2 /NDF: 11.0/15

Left Out: 15.357 $\pm$ 16.292 χ^2 /NDF: 28.3/17

Right Out: 19.352 $\pm$ 22.588 χ^2 /NDF: 9.2/18

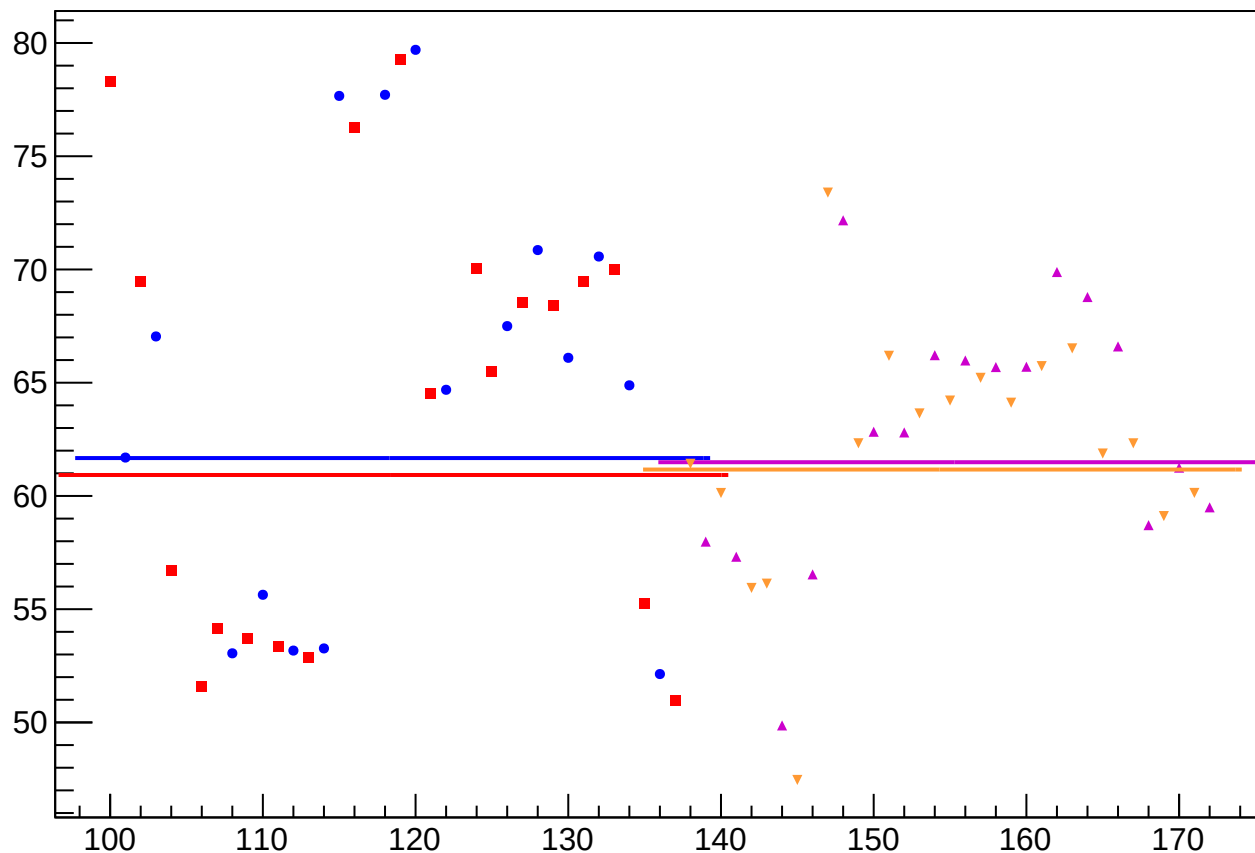
Left In: 1.194 $\pm$ 16.516 χ^2 /NDF: 13.1/16

+ sign 28.426 $\pm$ 13.329 χ^2 /NDF: 41.2/33

All: 17.976 $\pm$ 9.426 χ^2 /NDF: 65.1/69

- sign 7.520 $\pm$ 13.332 χ^2 /NDF: 22.6/35

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.673 $\pm$ 0.016 χ^2/NDF : 267108.3/15

Left Out: 61.166 $\pm$ 0.012 χ^2/NDF : 250622.1/17

Right Out: 60.926 $\pm$ 0.016 χ^2/NDF : 287579.6/18

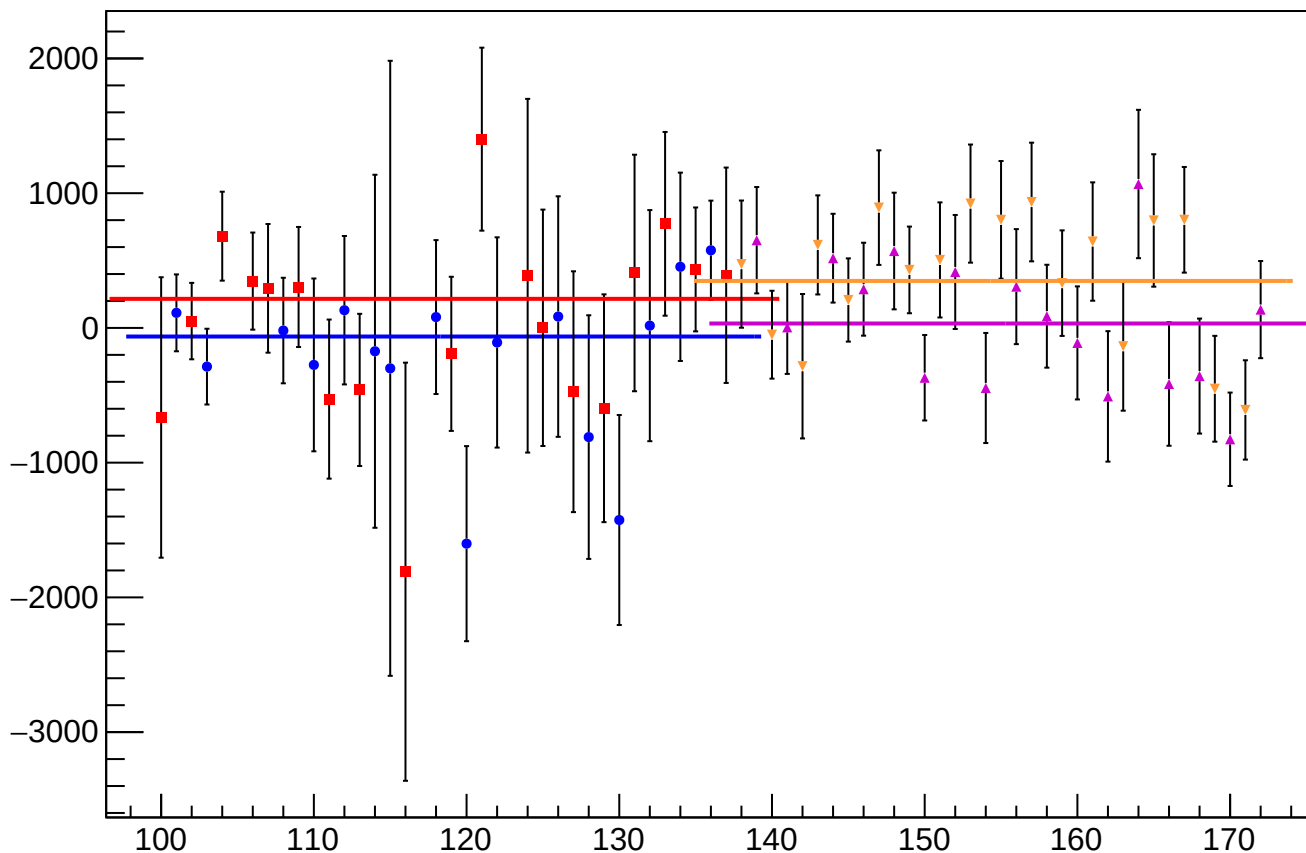
Left In: 61.490 $\pm$ 0.012 χ^2/NDF : 243983.0/16

+ sign 61.334 $\pm$ 0.009 χ^2/NDF : 518370.8/33

All: 61.313 $\pm$ 0.007 χ^2/NDF : 1050755.0/69

- sign 61.293 $\pm$ 0.009 χ^2/NDF : 532375.0/35

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



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

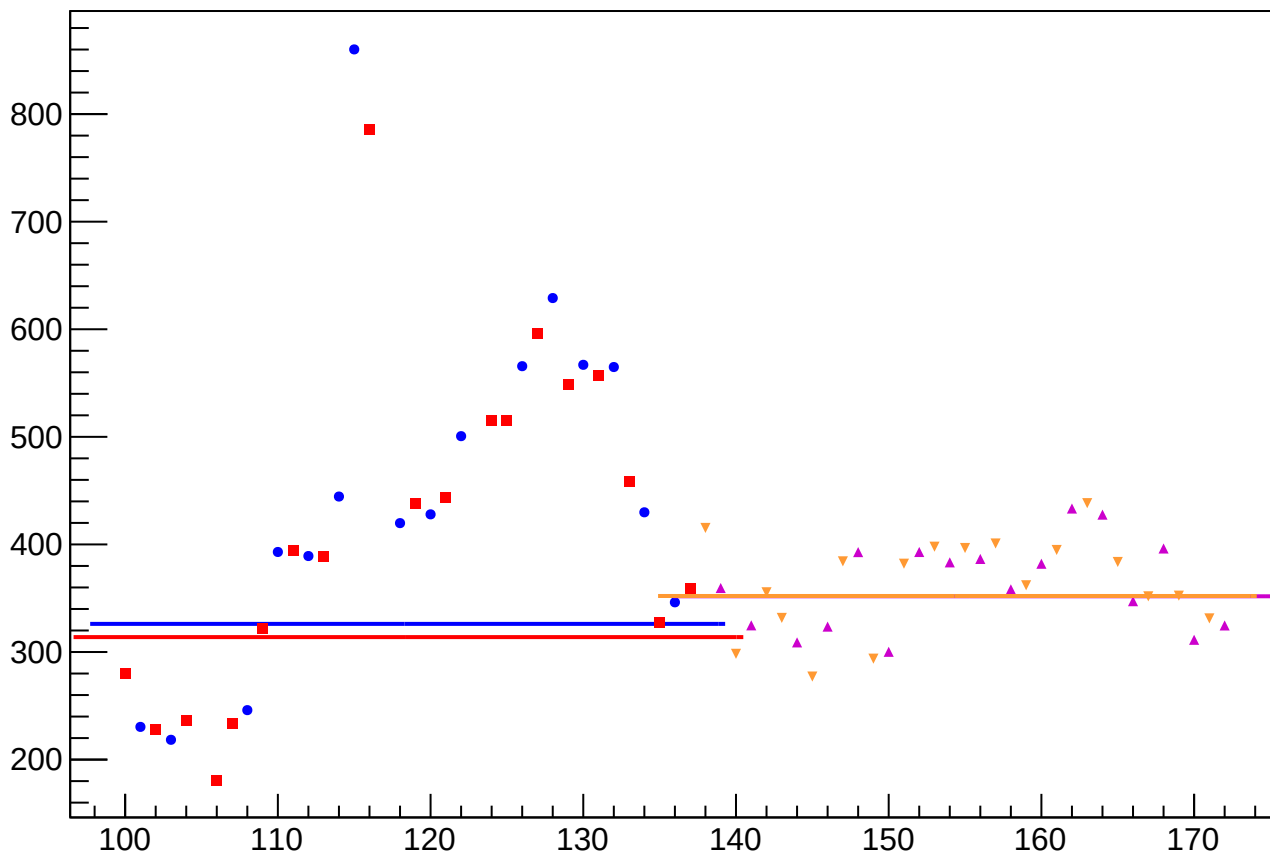
Left In: 32.868 ± 94.870 χ^2/NDF : 23.9/16

+ sign 205.789 ± 76.345 χ^2/NDF : 44.5/33

All: 152.525 ± 53.586 χ^2/NDF : 84.8/69

- sign 100.803 ± 75.232 χ^2/NDF : 39.4/35

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 326.150 $\pm$ 0.092 χ^2/NDF : 1733934.7/15

Left Out: 352.073 $\pm$ 0.067 χ^2/NDF : 468248.2/17

Right Out: 313.861 $\pm$ 0.087 χ^2/NDF : 1805779.4/18

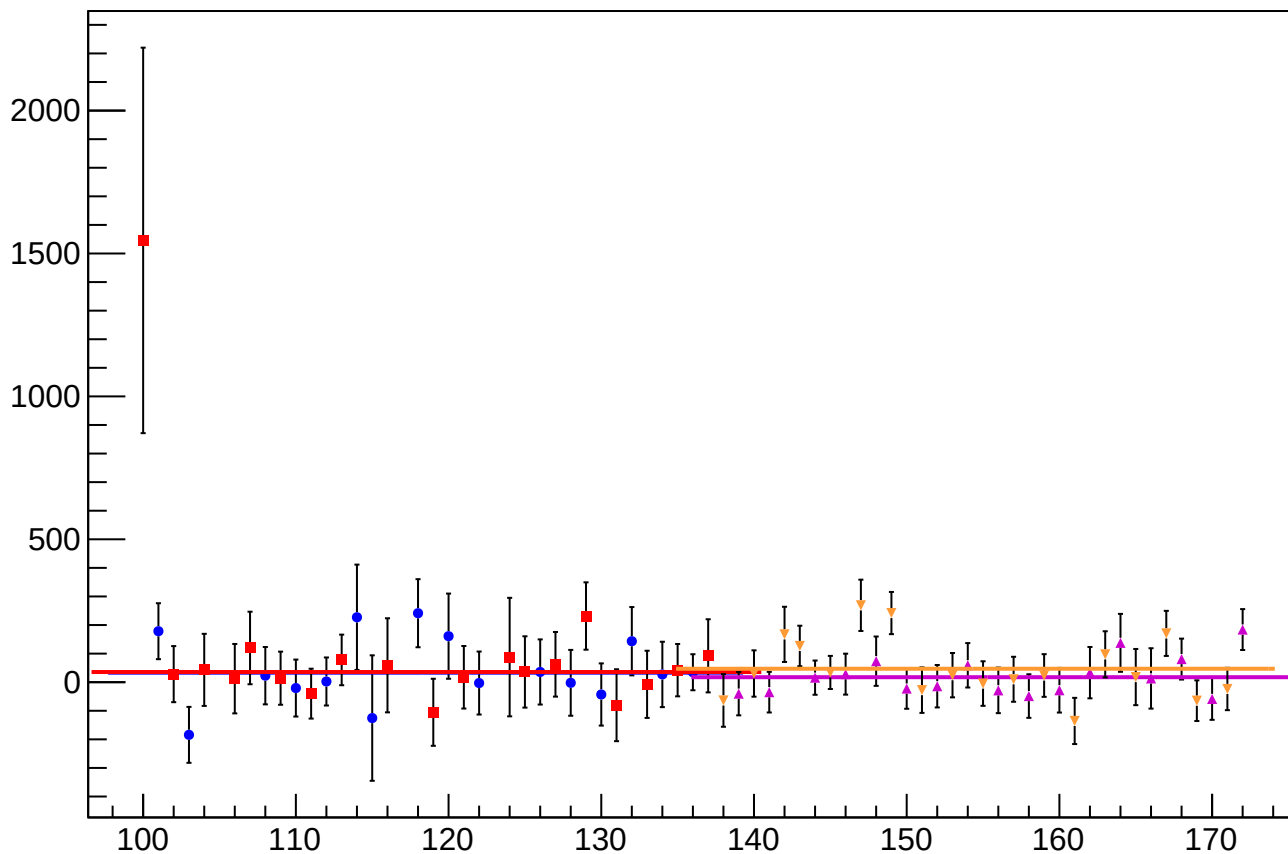
Left In: 351.797 $\pm$ 0.067 χ^2/NDF : 341243.0/16

+ sign 343.088 $\pm$ 0.054 χ^2/NDF : 2254405.2/33

All: 340.363 $\pm$ 0.038 χ^2/NDF : 4525138.1/69

- sign 337.717 $\pm$ 0.053 χ^2/NDF : 2265711.2/35

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

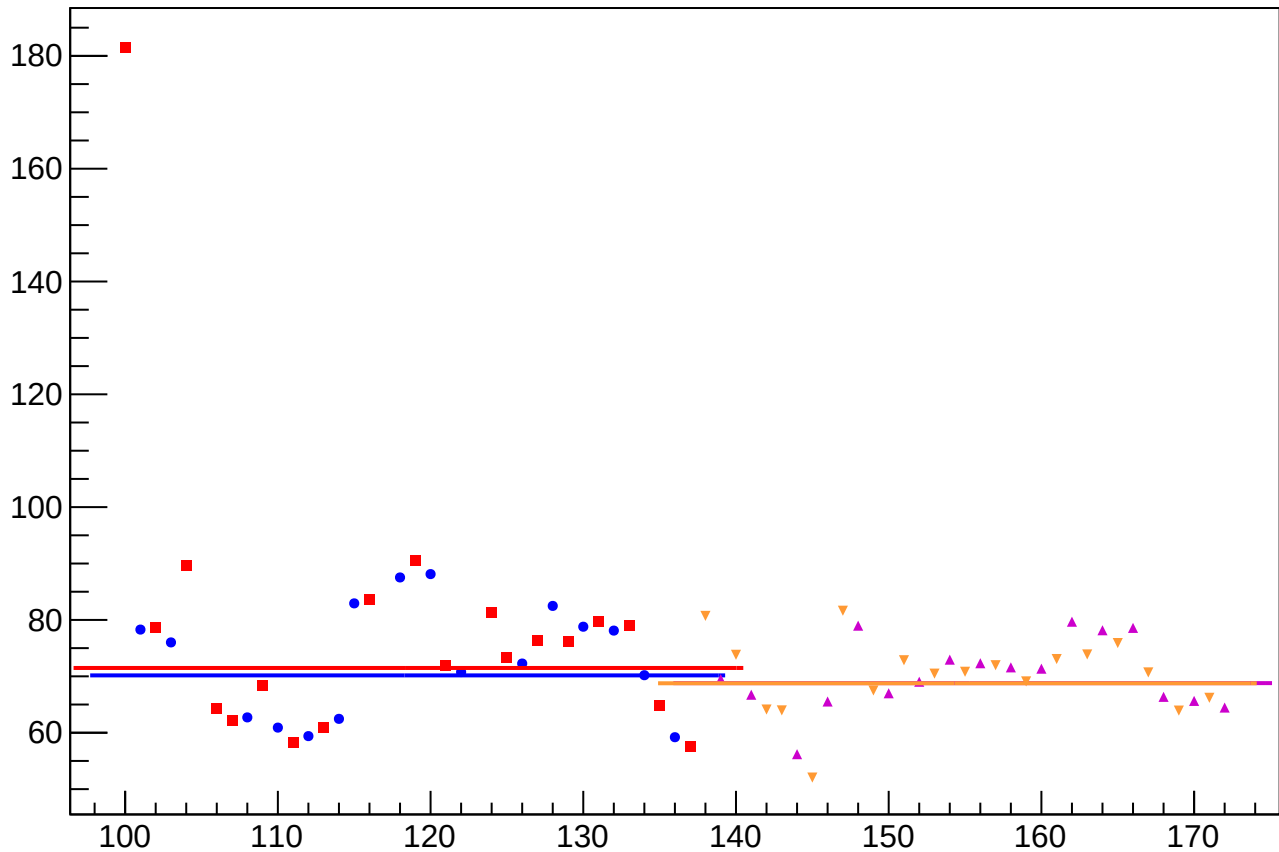
Left In: 17.485 ± 18.547 χ^2/NDF : 12.5/16

+ sign 42.617 ± 15.085 χ^2/NDF : 45.3/33

All: 33.094 ± 10.708 χ^2/NDF : 71.0/69

- sign 23.423 ± 15.202 χ^2/NDF : 24.9/35

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167 $\pm$ 0.019 χ^2 /NDF: 269249.9/15

Left Out: 68.769 $\pm$ 0.013 χ^2 /NDF: 311524.9/17

Right Out: 71.483 $\pm$ 0.019 χ^2 /NDF: 325715.0/18

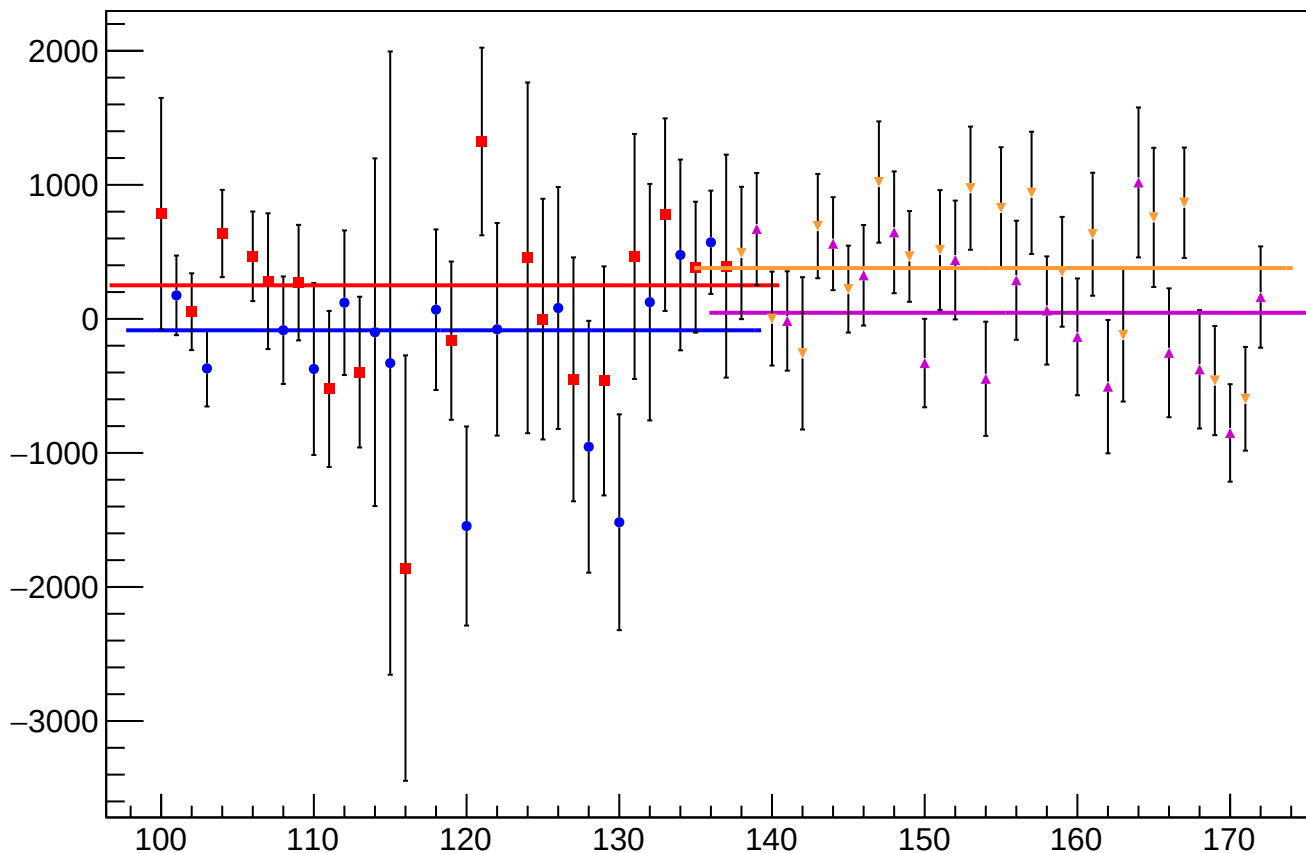
Left In: 68.796 $\pm$ 0.013 χ^2 /NDF: 215169.2/16

+ sign 69.225 $\pm$ 0.011 χ^2 /NDF: 584554.4/33

All: 69.449 $\pm$ 0.008 χ^2 /NDF: 1140113.9/69

- sign 69.678 $\pm$ 0.011 χ^2 /NDF: 554664.6/35

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

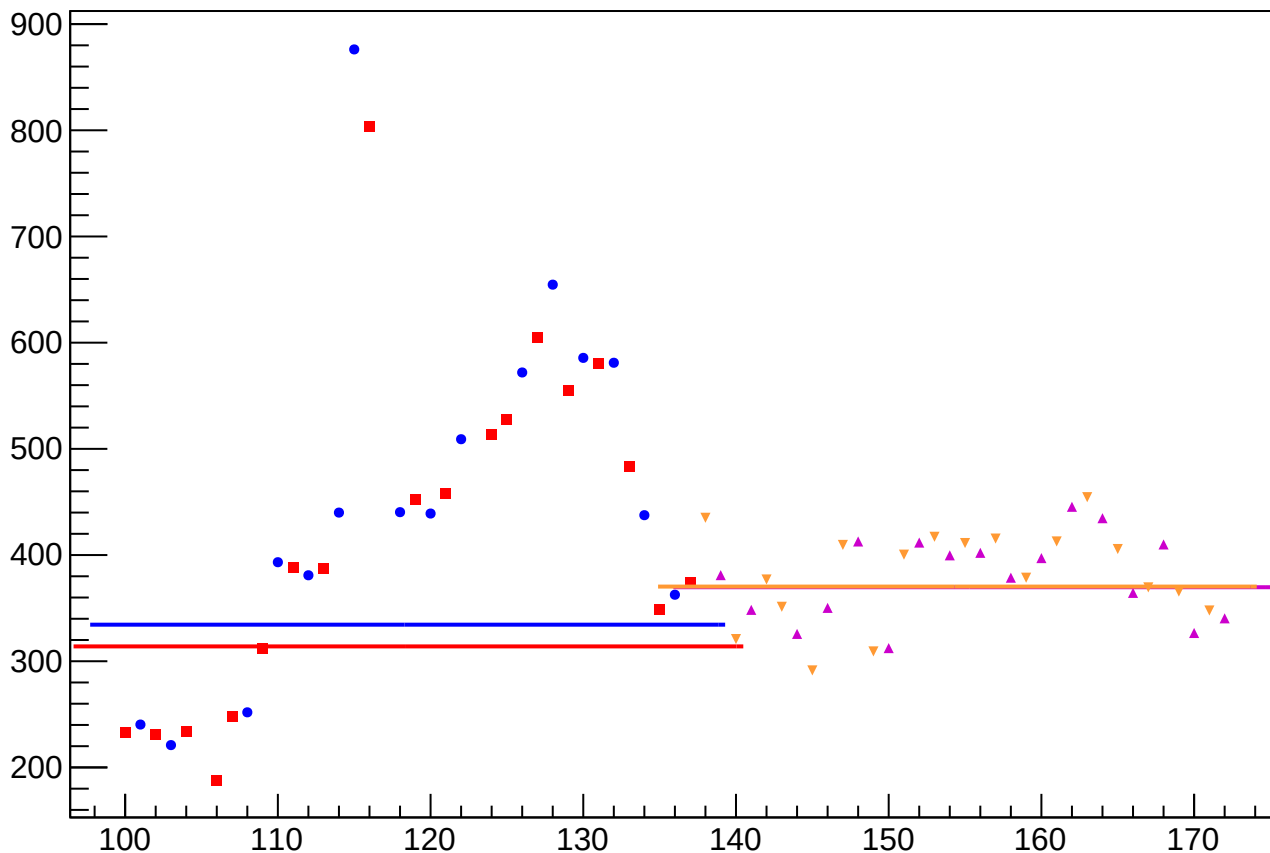
Left In: 45.717 ± 99.601 χ^2/NDF : 22.4/16

+ sign 212.836 ± 79.495 χ^2/NDF : 45.1/33

All: 168.588 ± 55.485 χ^2/NDF : 82.2/69

- sign 126.554 ± 77.480 χ^2/NDF : 36.5/35

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 334.431 $\pm$ 0.094 χ^2 /NDF: 1730610.2/15

Left Out: 370.303 $\pm$ 0.070 χ^2 /NDF: 435823.5/17

Right Out: 313.971 $\pm$ 0.087 χ^2 /NDF: 1904605.9/18

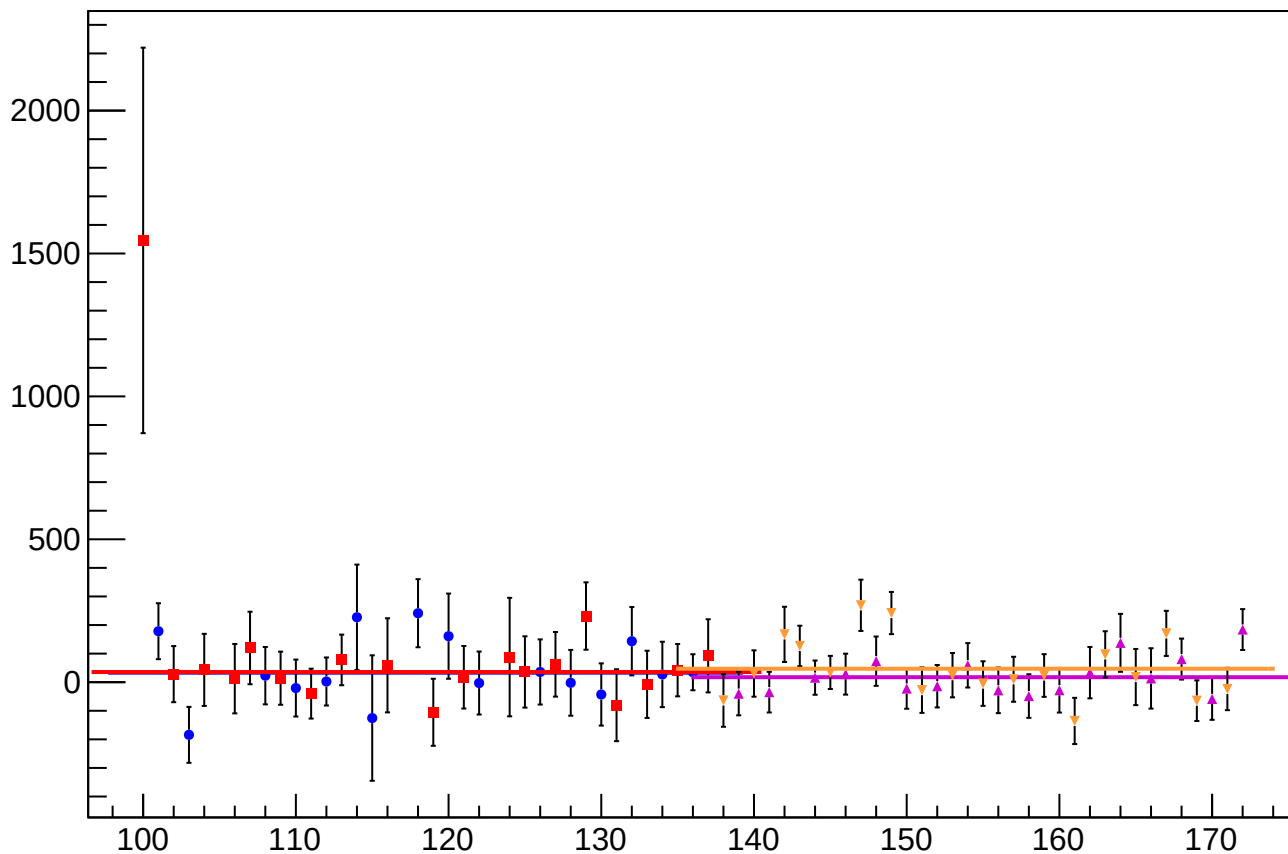
Left In: 369.693 $\pm$ 0.070 χ^2 /NDF: 301823.8/16

+ sign 357.464 $\pm$ 0.056 χ^2 /NDF: 2260027.1/33

All: 352.452 $\pm$ 0.039 χ^2 /NDF: 4729133.5/69

- sign 347.691 $\pm$ 0.055 χ^2 /NDF: 2453603.9/35

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

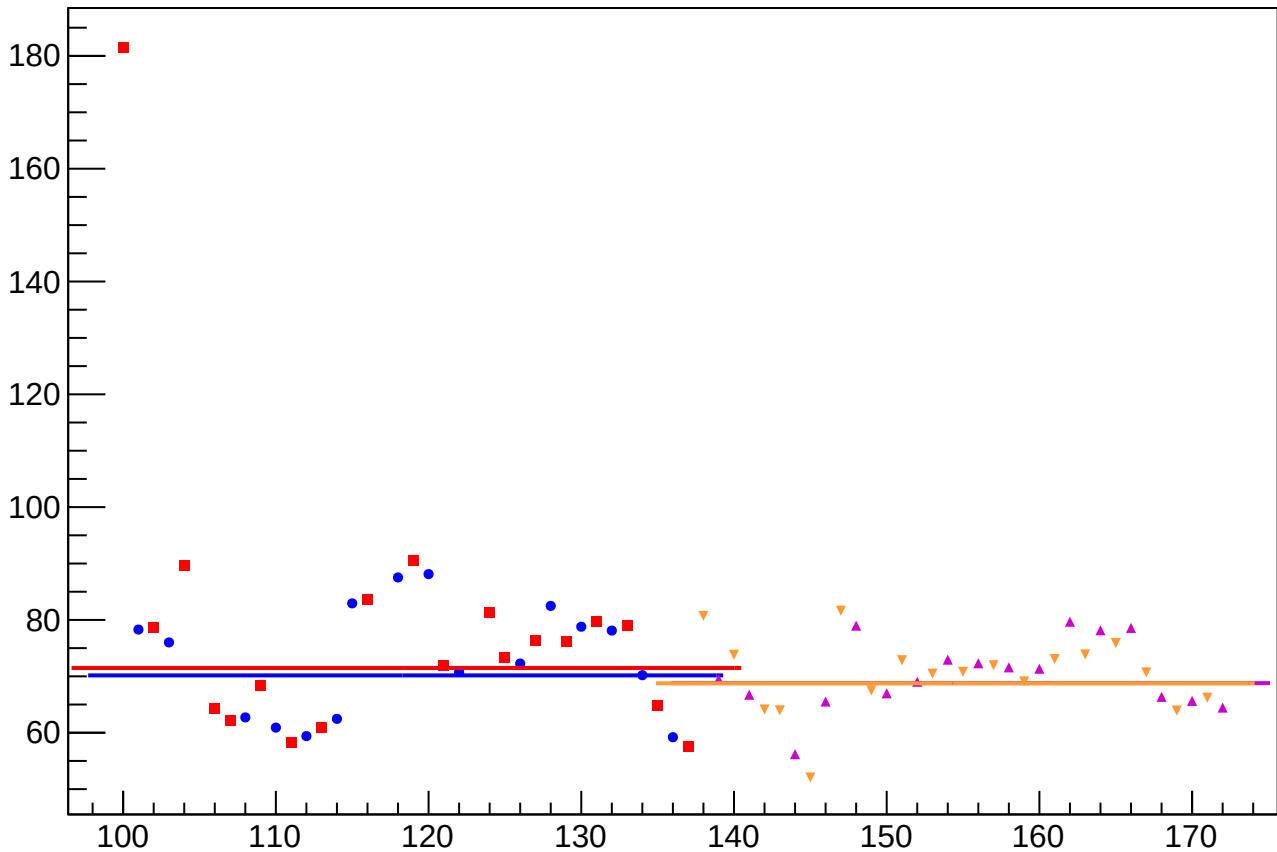
Left In: 17.485 ± 18.547 χ^2/NDF : 12.5/16

+ sign 42.616 ± 15.085 χ^2/NDF : 45.3/33

All: 33.094 ± 10.708 χ^2/NDF : 71.0/69

- sign 23.423 ± 15.202 χ^2/NDF : 24.9/35

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.167 ± 0.019 $\chi^2/\text{NDF}: 269253.0/15$

Left Out: 68.768 ± 0.013 $\chi^2/\text{NDF}: 311531.4/17$

Right Out: 71.483 ± 0.019 $\chi^2/\text{NDF}: 325721.5/18$

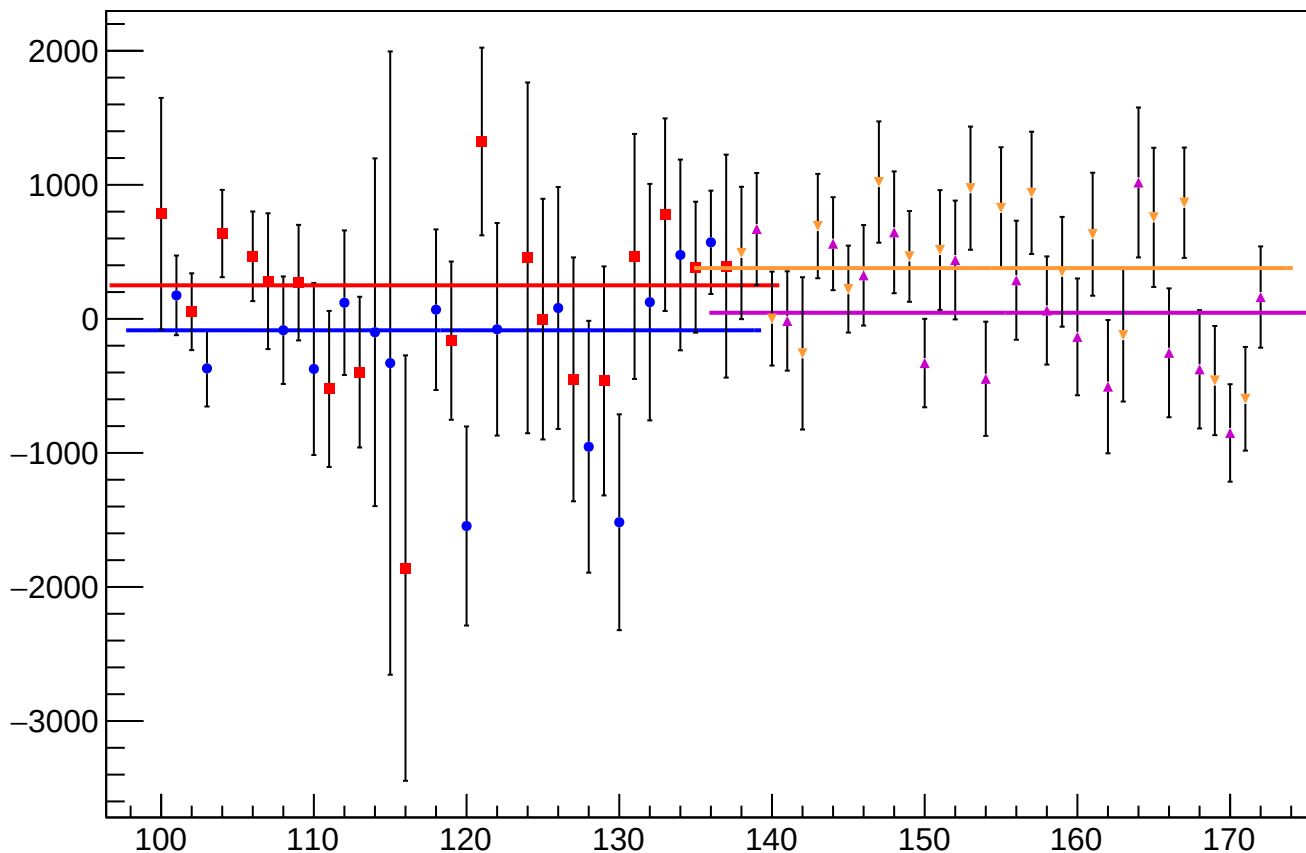
Left In: 68.796 ± 0.013 $\chi^2/\text{NDF}: 215171.5/16$

+ sign 69.225 ± 0.011 $\chi^2/\text{NDF}: 584564.7/33$

All: 69.449 ± 0.008 $\chi^2/\text{NDF}: 1140134.0/69$

- sign 69.678 ± 0.011 $\chi^2/\text{NDF}: 554674.4/35$

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: -85.185 $\pm$ 132.877 χ^2/NDF : 13.7/15

Left Out: 378.960 $\pm$ 99.208 χ^2/NDF : 23.6/17

Right Out: 250.440 $\pm$ 123.302 χ^2/NDF : 12.5/18

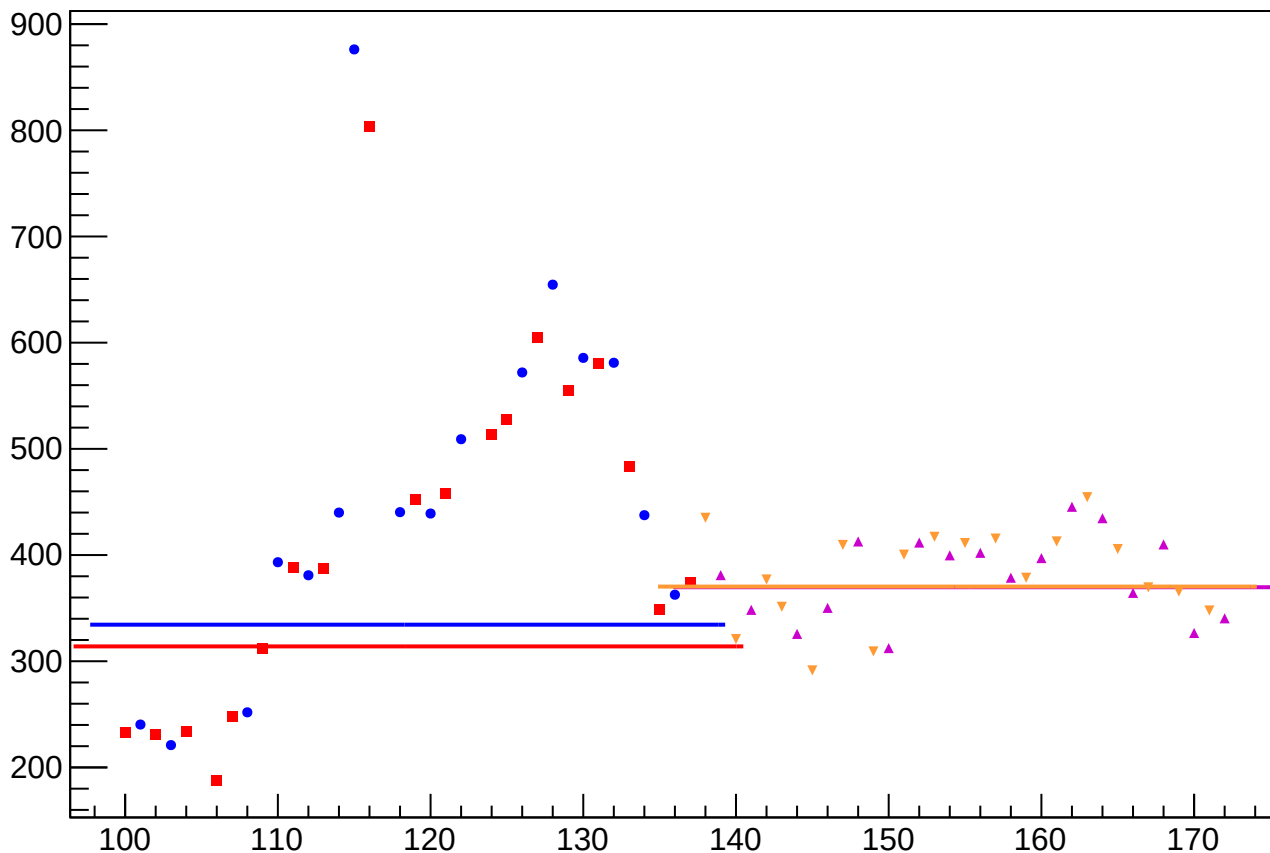
Left In: 45.717 $\pm$ 99.601 χ^2/NDF : 22.4/16

+ sign 212.835 $\pm$ 79.495 χ^2/NDF : 45.1/33

All: 168.587 $\pm$ 55.485 χ^2/NDF : 82.2/69

- sign 126.554 $\pm$ 77.480 χ^2/NDF : 36.5/35

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 334.431 $\pm$ 0.094 χ^2 /NDF: 1730609.3/15

Left Out: 370.303 $\pm$ 0.070 χ^2 /NDF: 435827.6/17

Right Out: 313.971 $\pm$ 0.087 χ^2 /NDF: 1904604.3/18

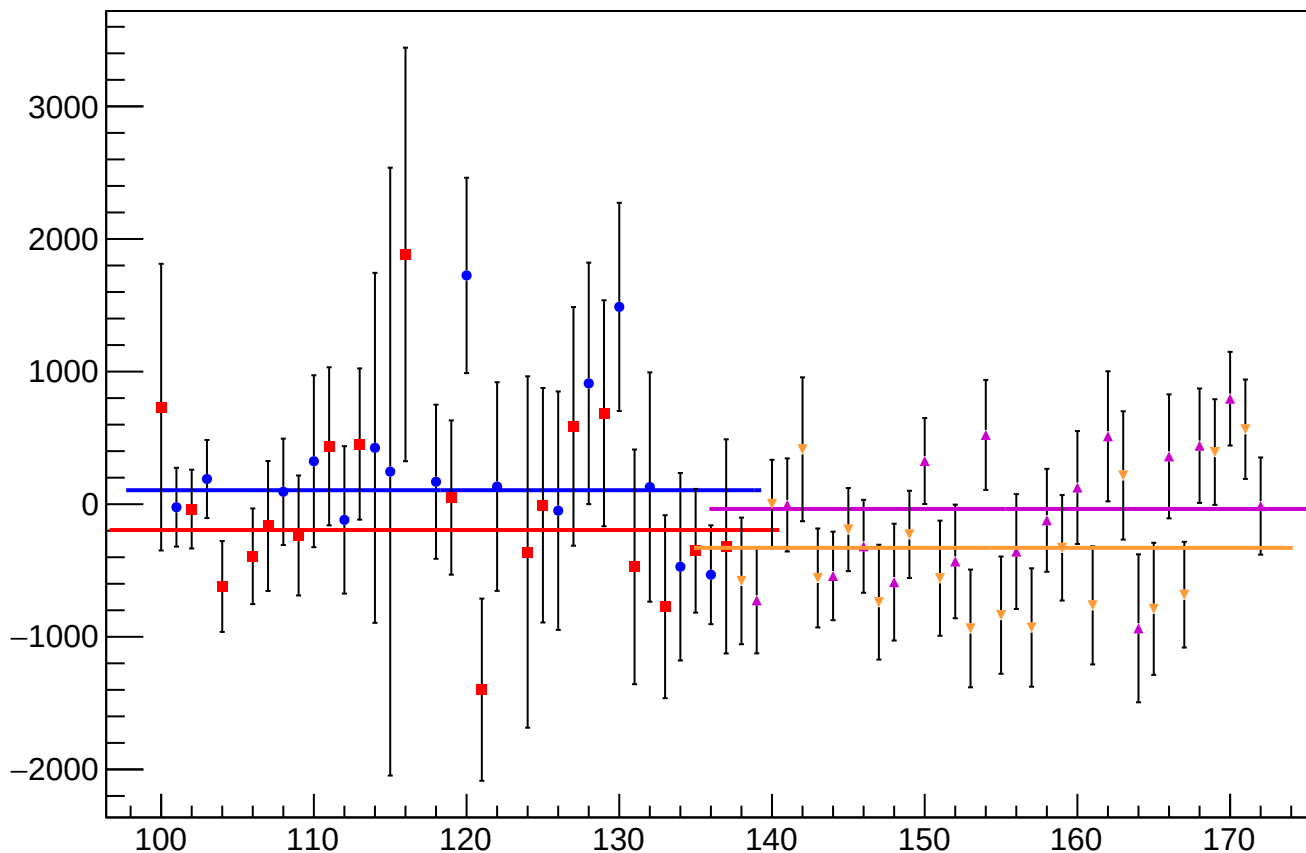
Left In: 369.693 $\pm$ 0.070 χ^2 /NDF: 301824.1/16

+ sign 357.464 $\pm$ 0.056 χ^2 /NDF: 2260027.9/33

All: 352.452 $\pm$ 0.039 χ^2 /NDF: 4729132.0/69

- sign 347.691 $\pm$ 0.055 χ^2 /NDF: 2453601.5/35

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

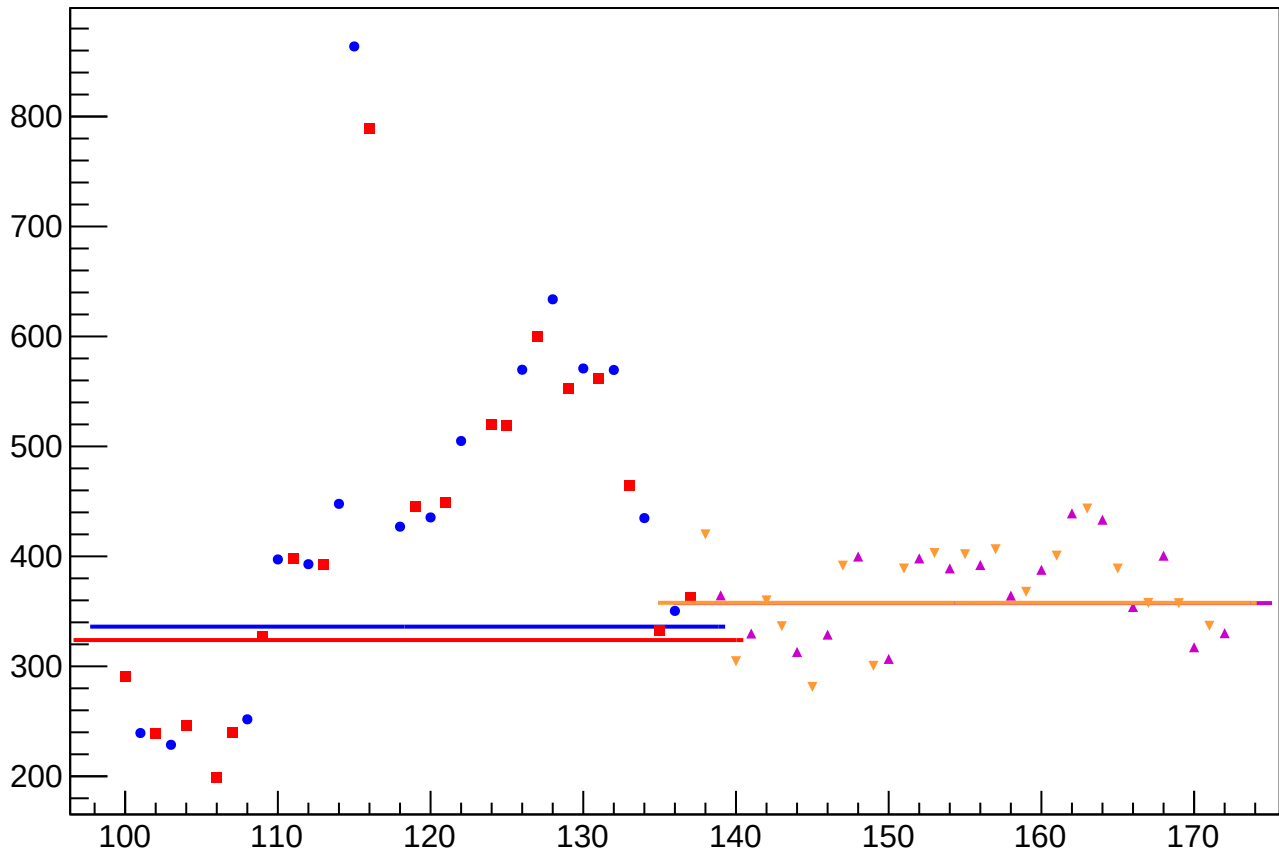
Left In: -35.893 ± 96.376 χ^2/NDF : 23.5/16

+ sign -180.343 ± 77.815 χ^2/NDF : 42.8/33

All: -136.691 ± 54.587 χ^2/NDF : 81.0/69

- sign -94.398 ± 76.595 χ^2/NDF : 37.6/35

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

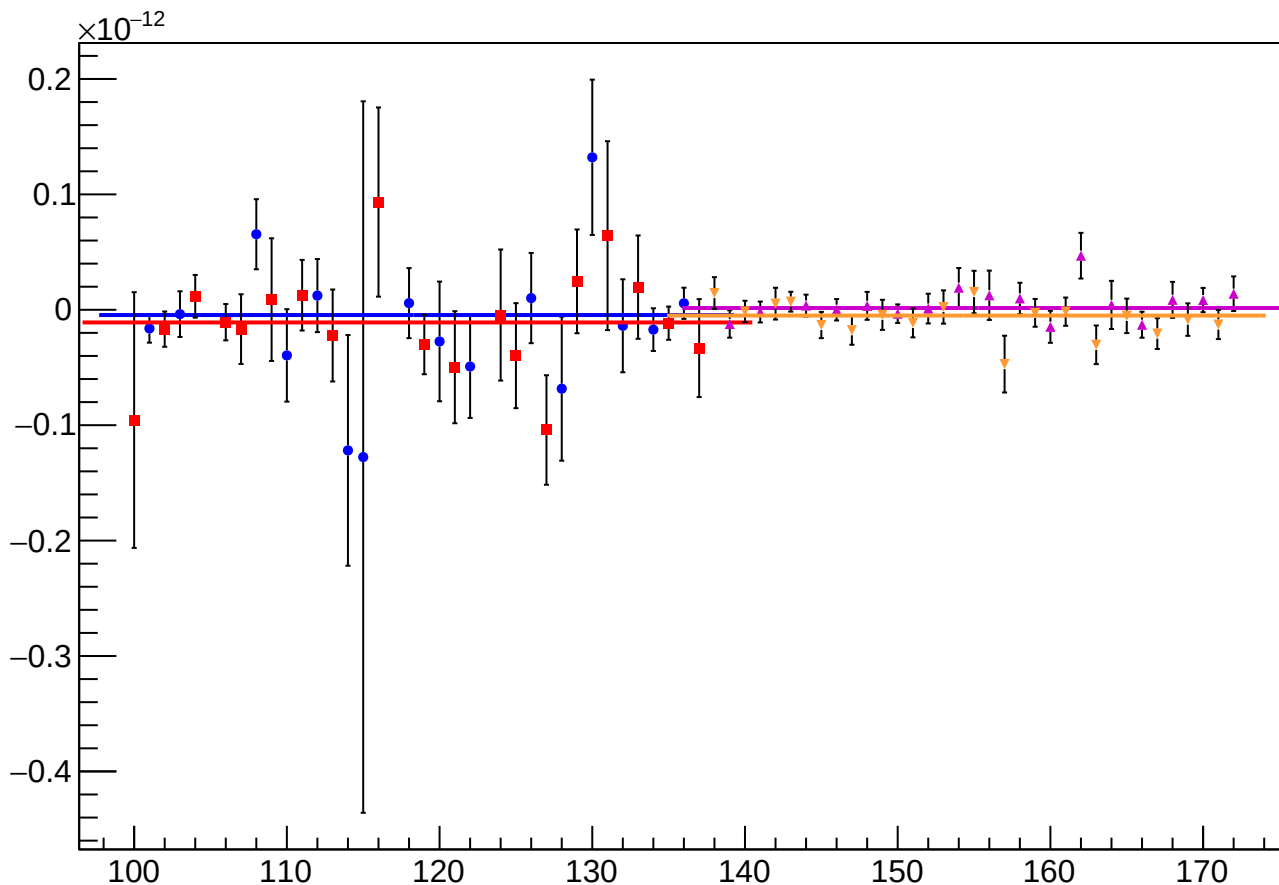
Left In: 357.496+/-0.068 χ^2/NDF : 331749.6/16

+ sign 350.358+/-0.055 χ^2/NDF : 2109027.6/33

All: 347.695+/-0.039 χ^2/NDF : 4200415.8/69

- sign 345.115+/-0.054 χ^2/NDF : 2086775.4/35

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 $\chi^2/\text{NDF}: 16.5/15$

Left Out: -0.000+/-0.000 $\chi^2/\text{NDF}: 15.1/17$

Right Out: -0.000+/-0.000 $\chi^2/\text{NDF}: 12.4/18$

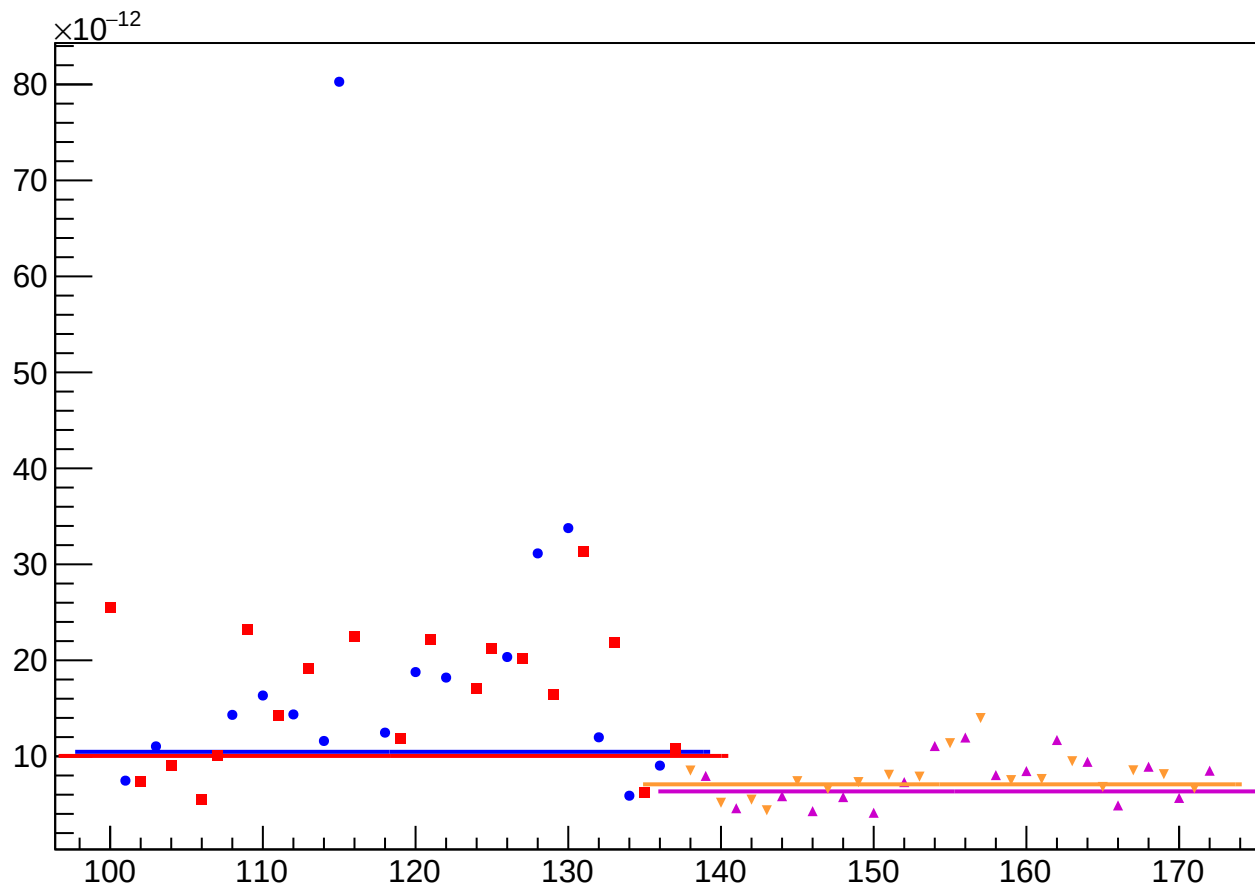
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 13.3/16$

+ sign -0.000+/-0.000 $\chi^2/\text{NDF}: 31.6/33$

All: -0.000+/-0.000 $\chi^2/\text{NDF}: 61.7/69$

- sign -0.000+/-0.000 $\chi^2/\text{NDF}: 28.8/35$

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

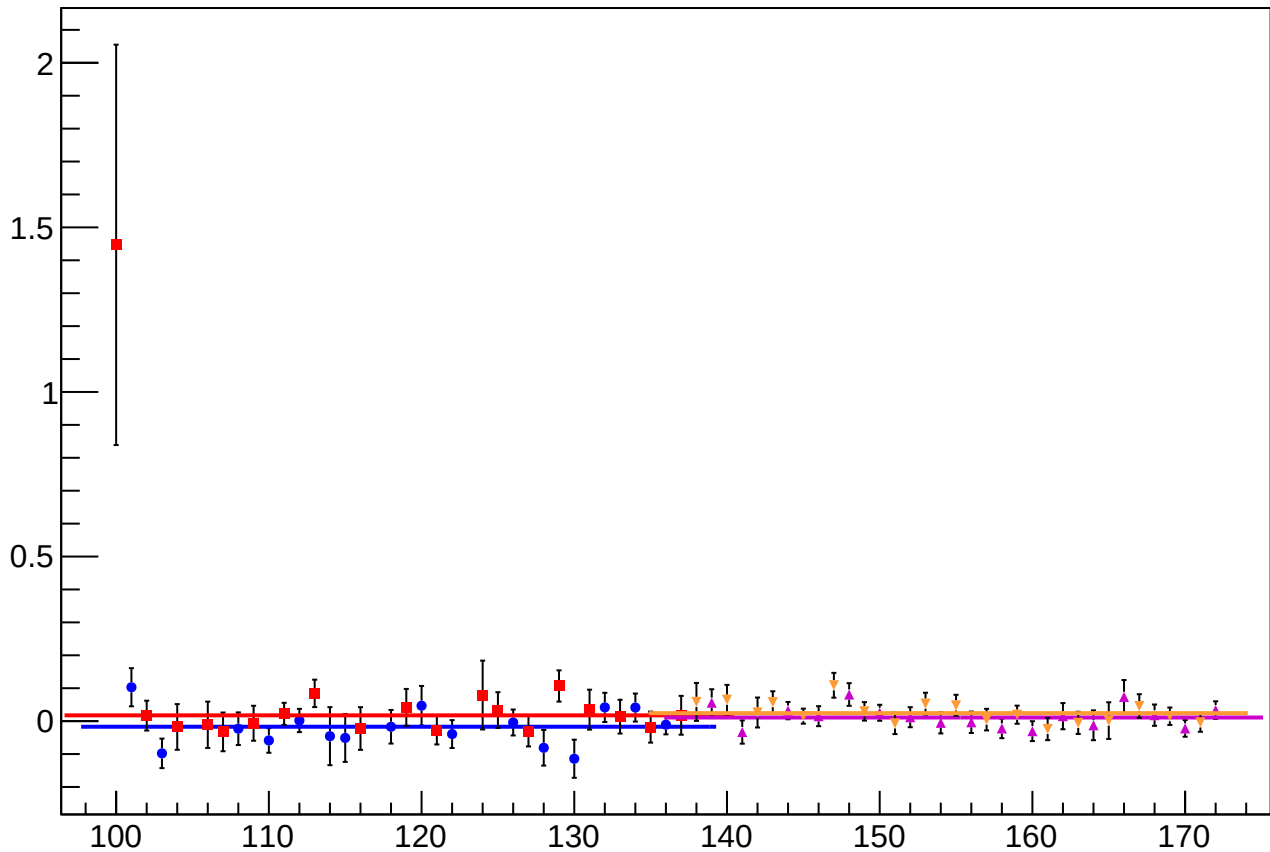
Left In: 0.000+/-0.000 χ^2/NDF : 1083504.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 2347123.8/33

All: 0.000+/-0.000 χ^2/NDF : 5465740.3/69

- sign 0.000+/-0.000 χ^2/NDF : 3049335.2/35

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

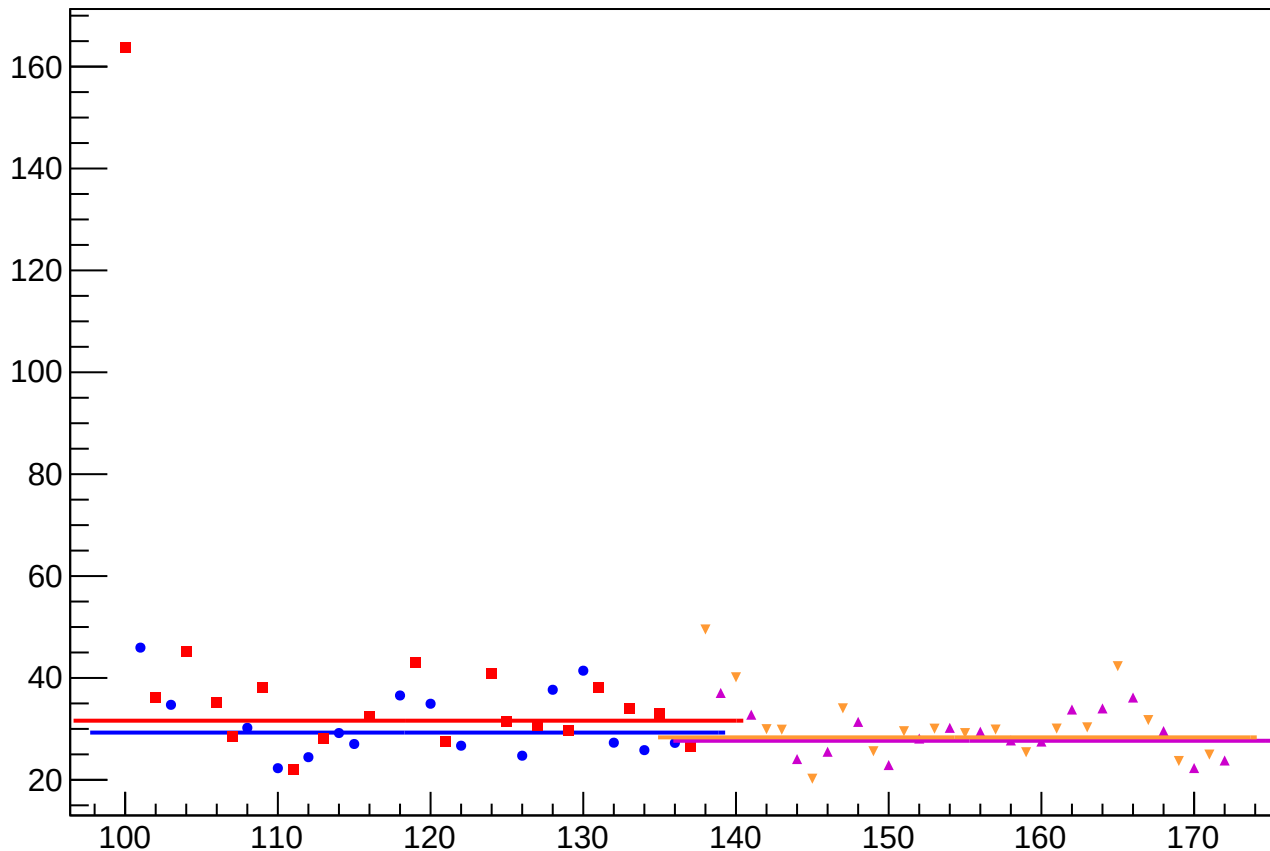
Left In: 0.011 ± 0.008 χ^2/NDF : 15.7/16

+ sign 0.011 ± 0.006 χ^2/NDF : 42.2/33

All: 0.012 ± 0.005 χ^2/NDF : 75.0/69

- sign 0.013 ± 0.006 χ^2/NDF : 32.8/35

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2/NDF : 560654.9/15

Left Out: 28.339 $\pm$ 0.005 χ^2/NDF : 1012651.2/17

Right Out: 31.613 $\pm$ 0.009 χ^2/NDF : 572190.6/18

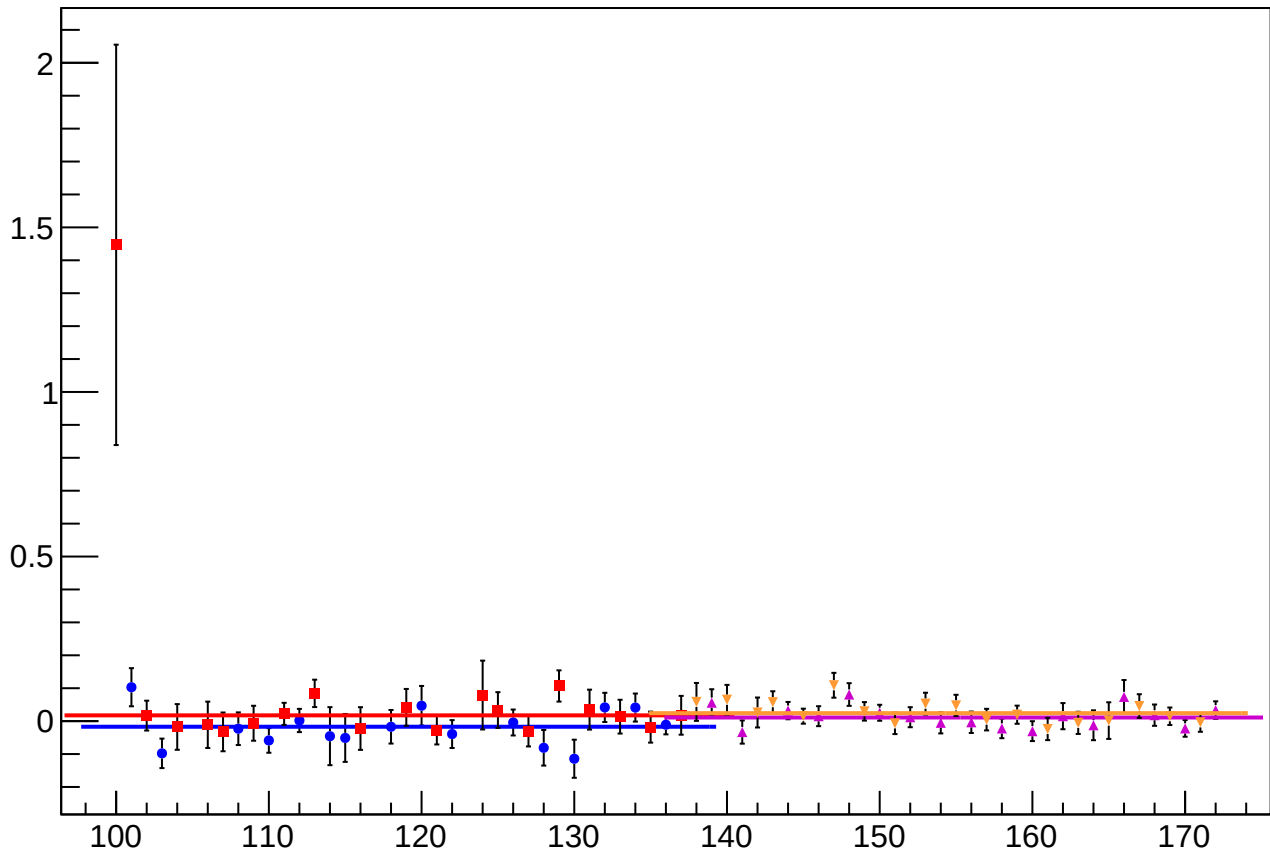
Left In: 27.670 $\pm$ 0.005 χ^2/NDF : 594639.0/16

+ sign 28.639 $\pm$ 0.005 χ^2/NDF : 1582640.9/33

All: 28.716 $\pm$ 0.003 χ^2/NDF : 2901881.9/69

- sign 28.795 $\pm$ 0.005 χ^2/NDF : 1318651.8/35

asym_sam_37_48_dd_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

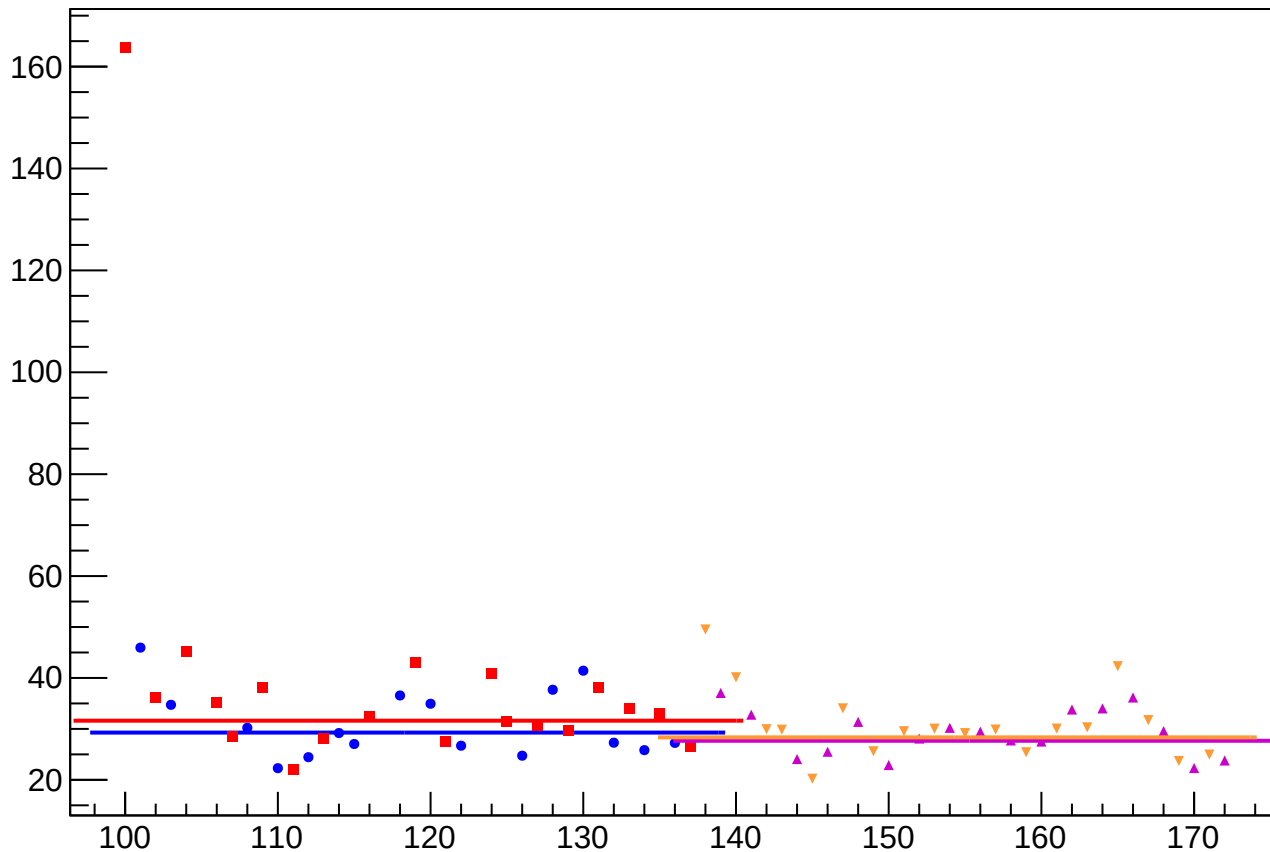
Left In: 0.011 ± 0.008 χ^2/NDF : 15.7/16

+ sign 0.011 ± 0.006 χ^2/NDF : 42.2/33

All: 0.012 ± 0.005 χ^2/NDF : 75.0/69

- sign 0.013 ± 0.006 χ^2/NDF : 32.8/35

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2 /NDF: 560654.9/15

Left Out: 28.339 $\pm$ 0.005 χ^2 /NDF: 1012651.2/17

Right Out: 31.613 $\pm$ 0.009 χ^2 /NDF: 572190.6/18

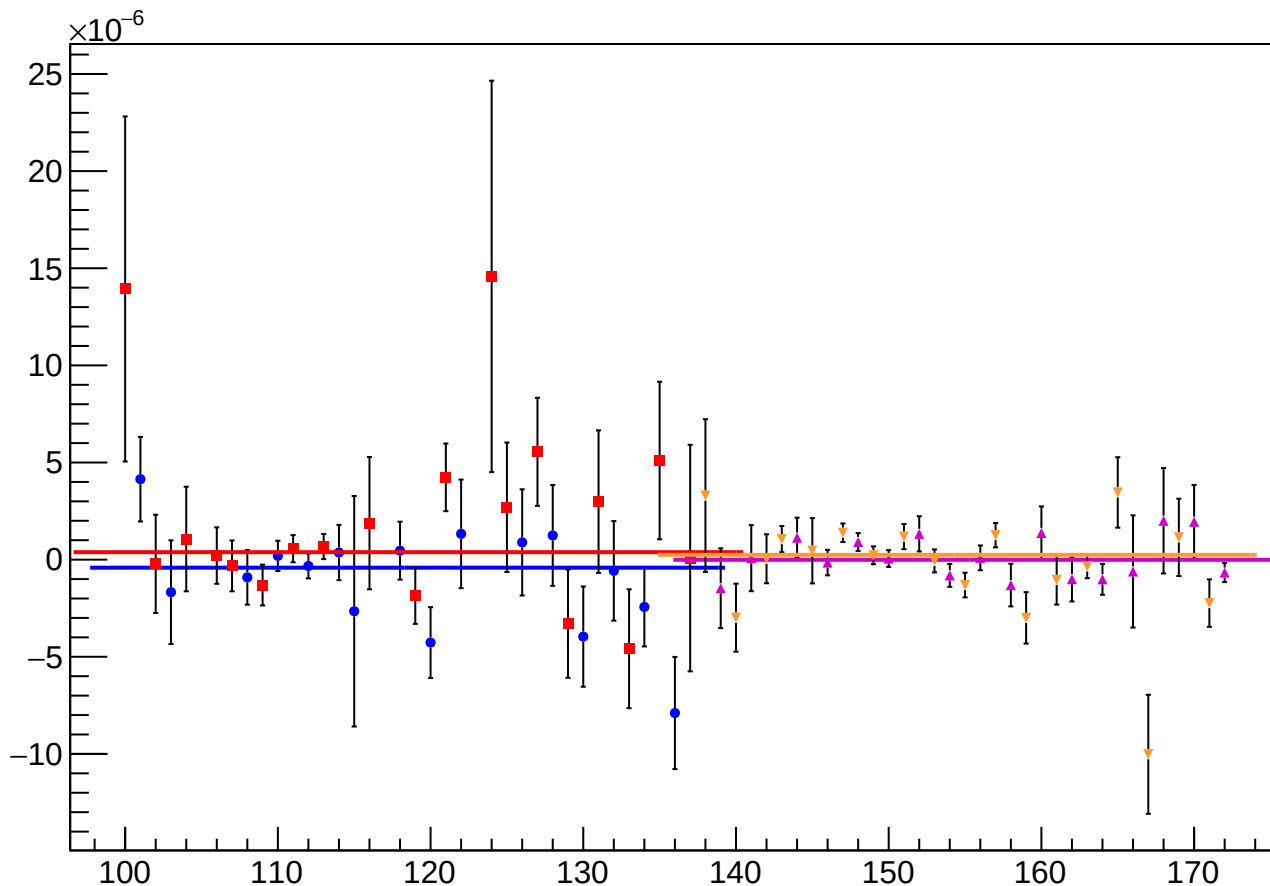
Left In: 27.670 $\pm$ 0.005 χ^2 /NDF: 594639.0/16

+ sign 28.639 $\pm$ 0.005 χ^2 /NDF: 1582640.9/33

All: 28.716 $\pm$ 0.003 χ^2 /NDF: 2901881.9/69

- sign 28.795 $\pm$ 0.005 χ^2 /NDF: 1318651.8/35

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

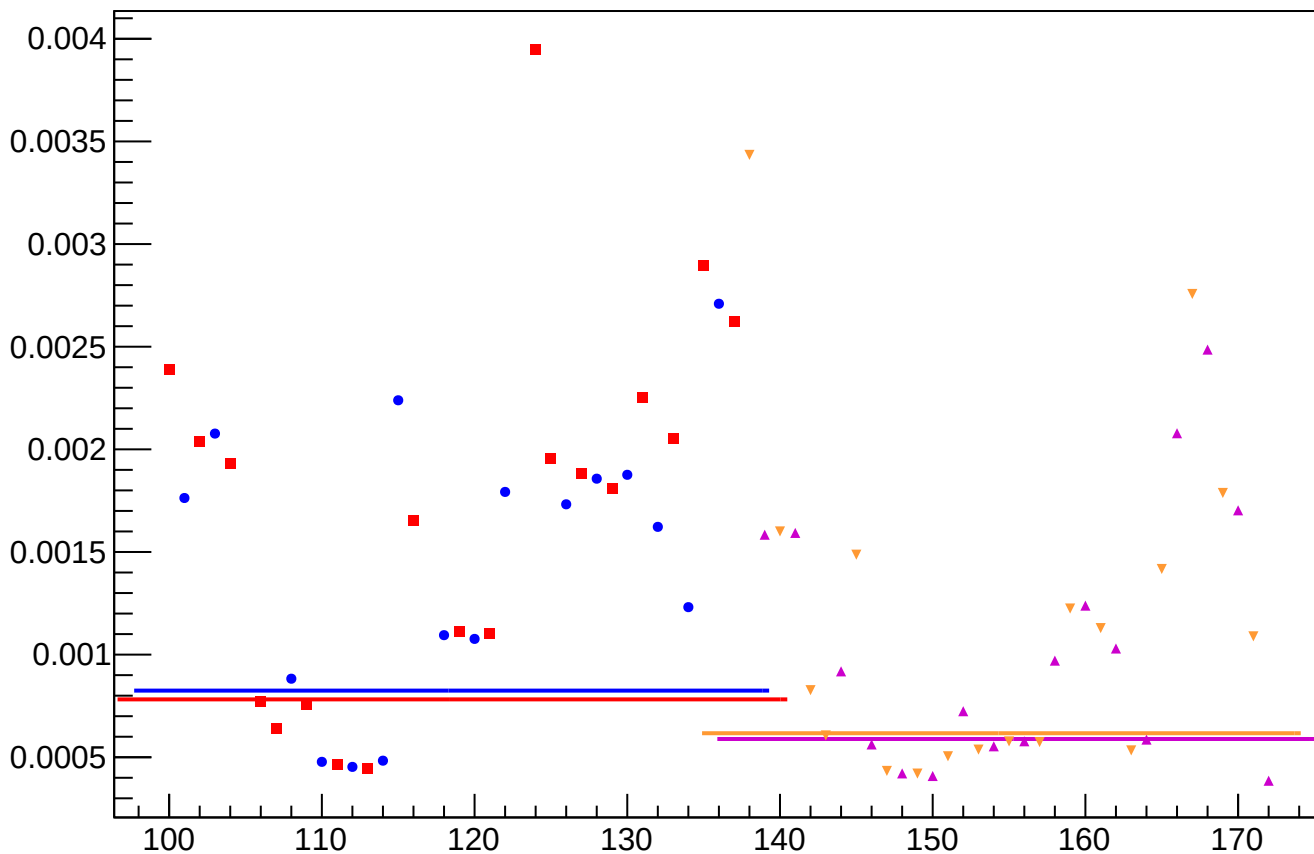
Left In: -0.000 ± 0.000 χ^2/NDF : 18.1/16

+ sign 0.000 ± 0.000 χ^2/NDF : 72.7/33

All: 0.000 ± 0.000 χ^2/NDF : 117.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 44.3/35

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF : 6164381.7/17

Right Out: 0.001+/-0.000 χ^2/NDF : 4638419.3/18

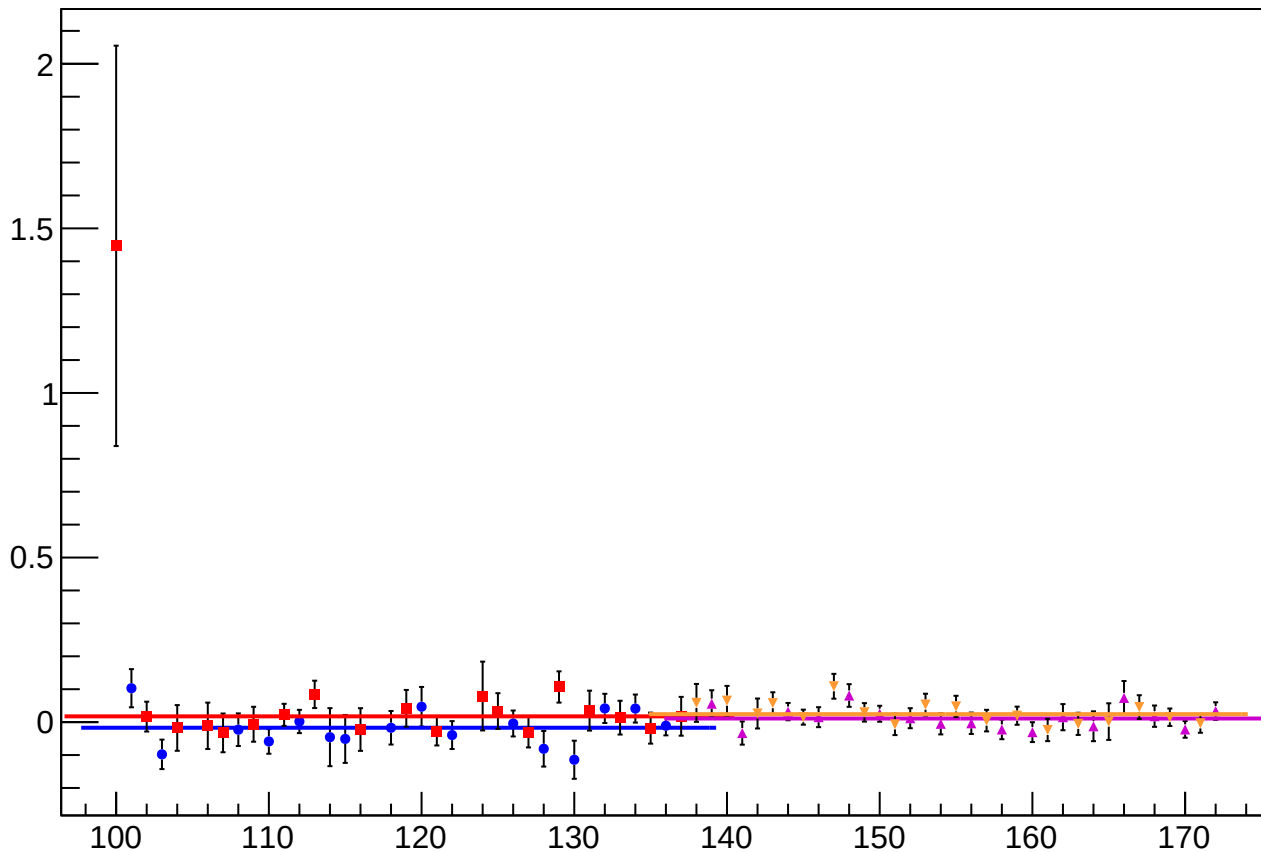
Left In: 0.001+/-0.000 χ^2/NDF : 5575505.1/16

+ sign 0.001+/-0.000 χ^2/NDF : 11112187.1/33

All: 0.001+/-0.000 χ^2/NDF : 21831503.0/69

- sign 0.001+/-0.000 χ^2/NDF : 10691016.7/35

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017 $\pm$ 0.011 χ^2/NDF : 18.8/15

Left Out: 0.024 $\pm$ 0.008 χ^2/NDF : 14.4/17

Right Out: 0.018 $\pm$ 0.012 χ^2/NDF : 16.8/18

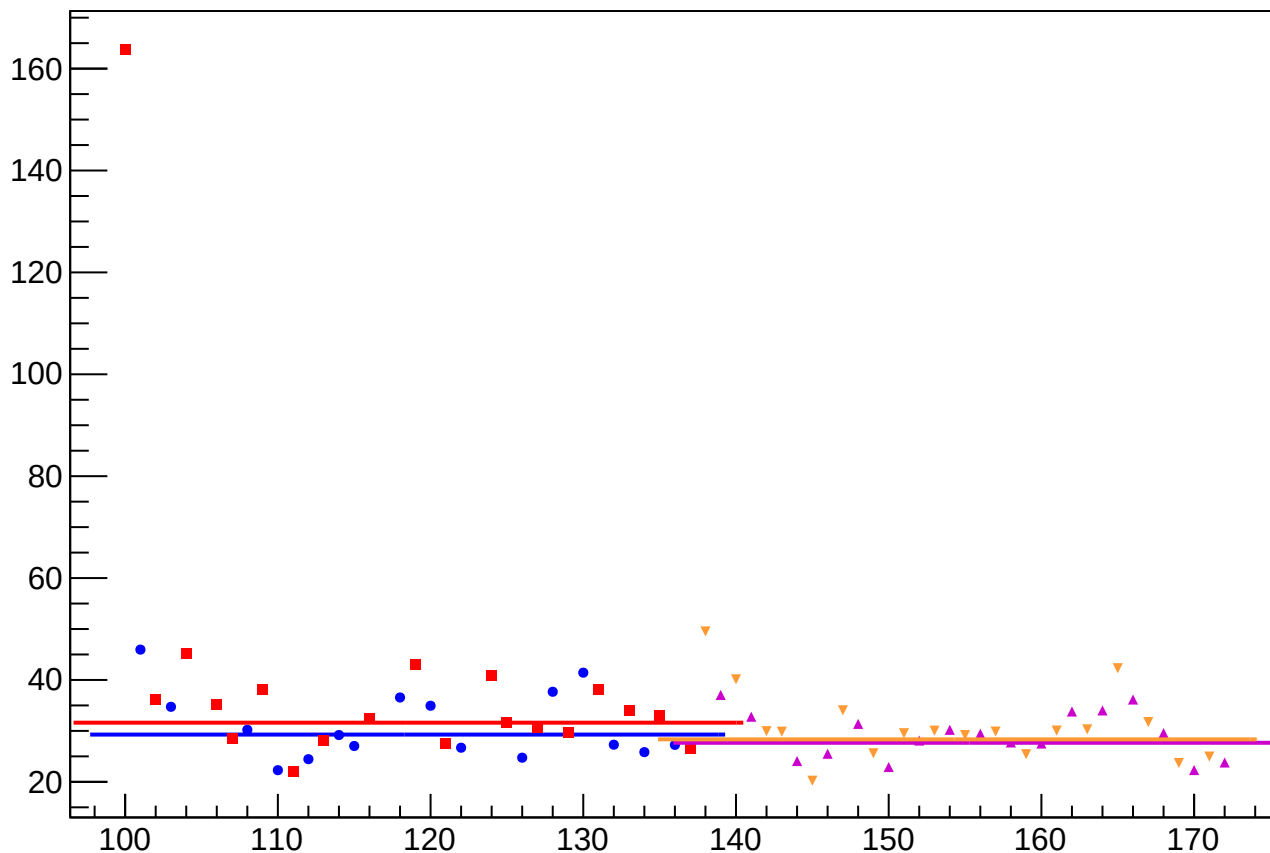
Left In: 0.011 $\pm$ 0.008 χ^2/NDF : 15.7/16

+ sign 0.011 $\pm$ 0.006 χ^2/NDF : 42.2/33

All: 0.012 $\pm$ 0.005 χ^2/NDF : 75.0/69

- sign 0.013 $\pm$ 0.006 χ^2/NDF : 32.8/35

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.278 ± 0.008 $\chi^2/\text{NDF}: 560654.1/15$

Left Out: 28.339 ± 0.005 $\chi^2/\text{NDF}: 1012717.9/17$

Right Out: 31.614 ± 0.009 $\chi^2/\text{NDF}: 572187.4/18$

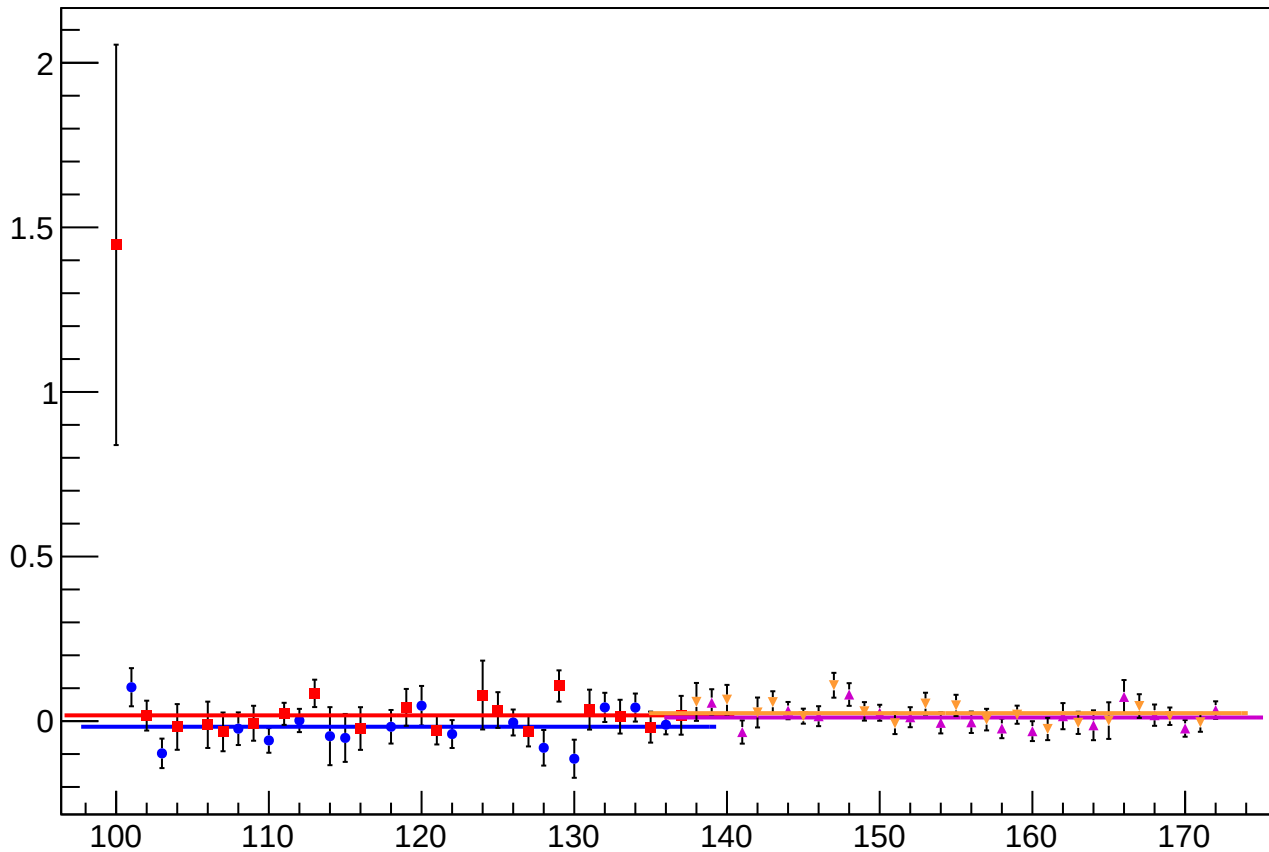
Left In: 27.670 ± 0.005 $\chi^2/\text{NDF}: 594627.2/16$

+ sign 28.638 ± 0.005 $\chi^2/\text{NDF}: 1582714.0/33$

All: 28.716 ± 0.003 $\chi^2/\text{NDF}: 2901970.7/69$

- sign 28.795 ± 0.005 $\chi^2/\text{NDF}: 1318666.9/35$

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

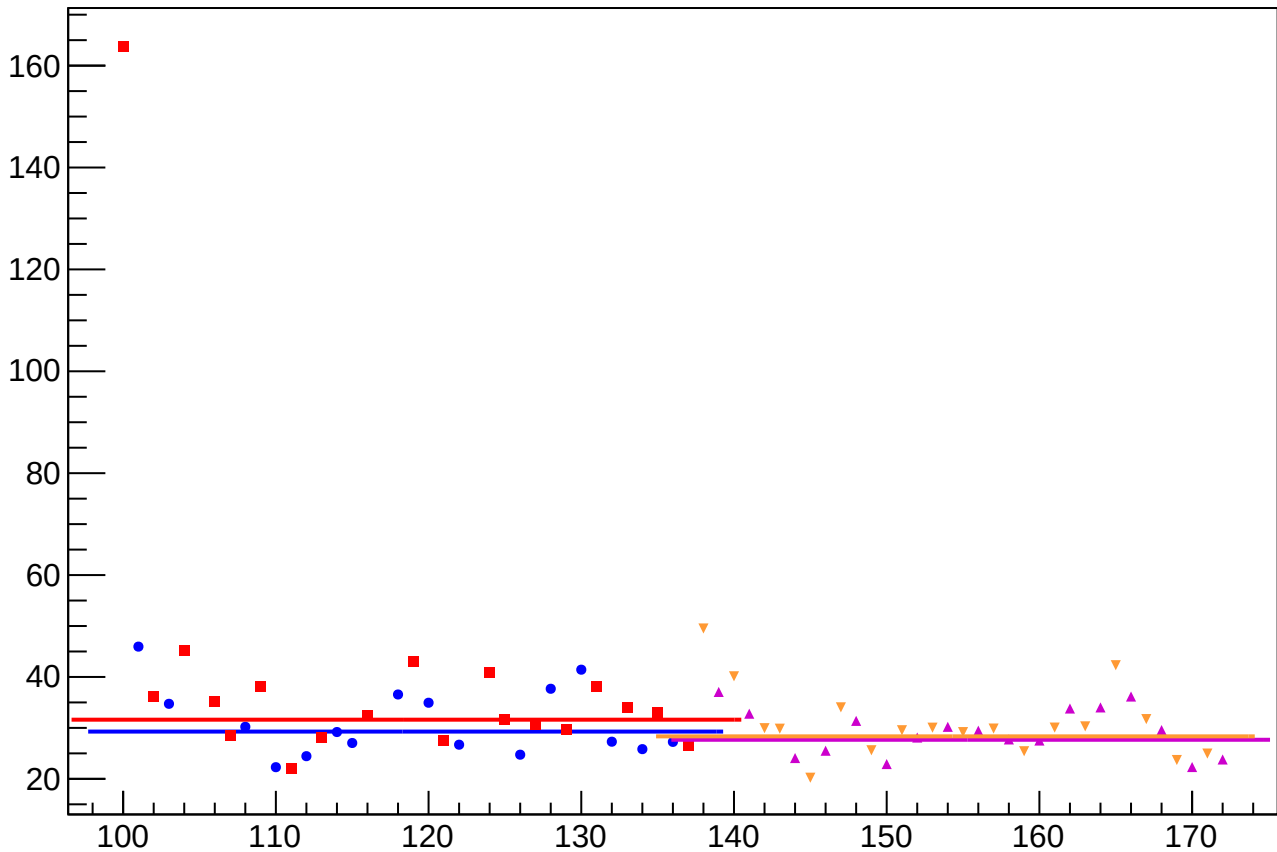
Left In: 0.011 ± 0.008 χ^2/NDF : 15.7/16

+ sign 0.011 ± 0.006 χ^2/NDF : 42.2/33

All: 0.012 ± 0.005 χ^2/NDF : 75.0/69

- sign 0.013 ± 0.006 χ^2/NDF : 32.8/35

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.278 $\pm$ 0.008 χ^2 /NDF: 560654.1/15

Left Out: 28.339 $\pm$ 0.005 χ^2 /NDF: 1012717.9/17

Right Out: 31.614 $\pm$ 0.009 χ^2 /NDF: 572187.4/18

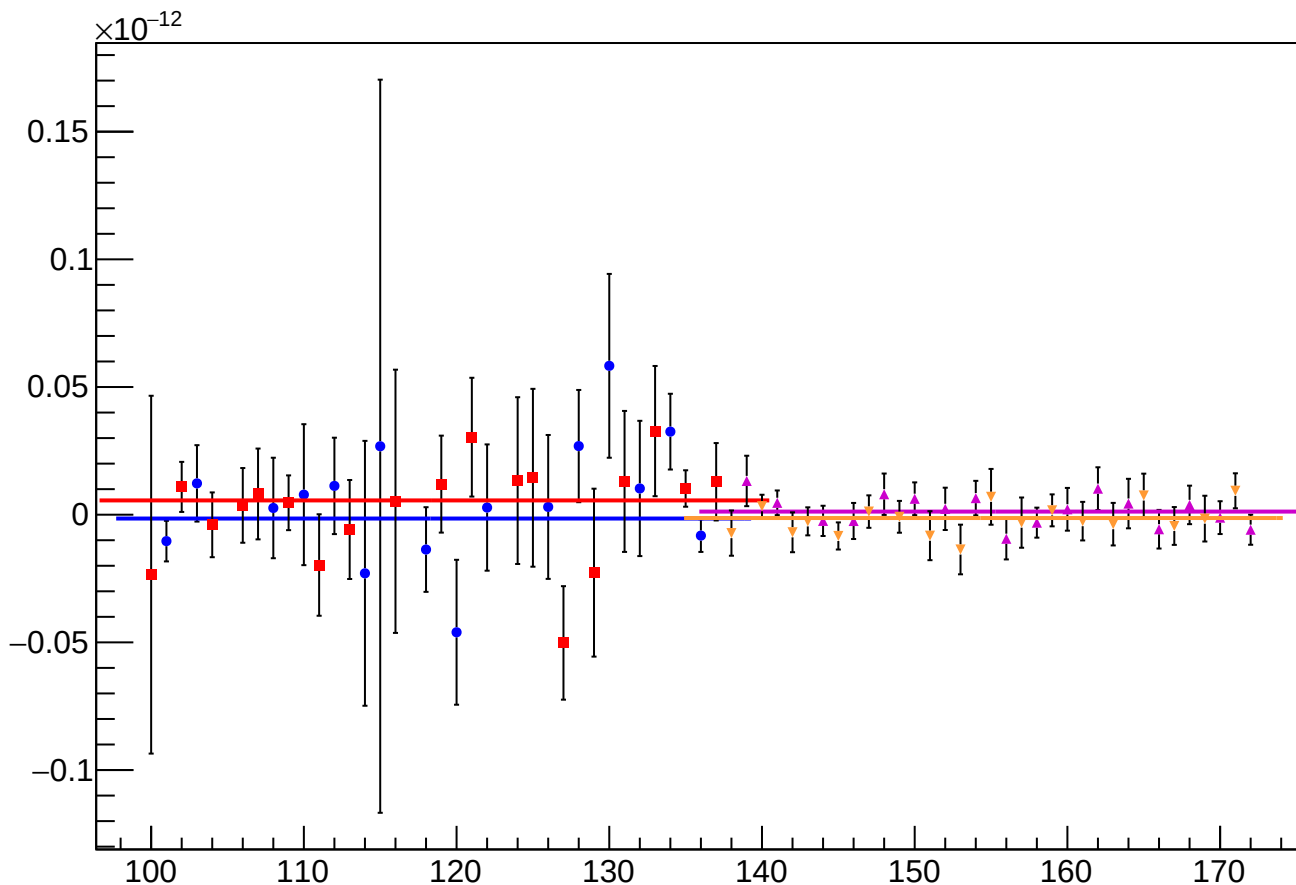
Left In: 27.670 $\pm$ 0.005 χ^2 /NDF: 594627.2/16

+ sign 28.638 $\pm$ 0.005 χ^2 /NDF: 1582714.0/33

All: 28.716 $\pm$ 0.003 χ^2 /NDF: 2901970.7/69

- sign 28.795 $\pm$ 0.005 χ^2 /NDF: 1318666.9/35

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF : 10.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 13.3/18

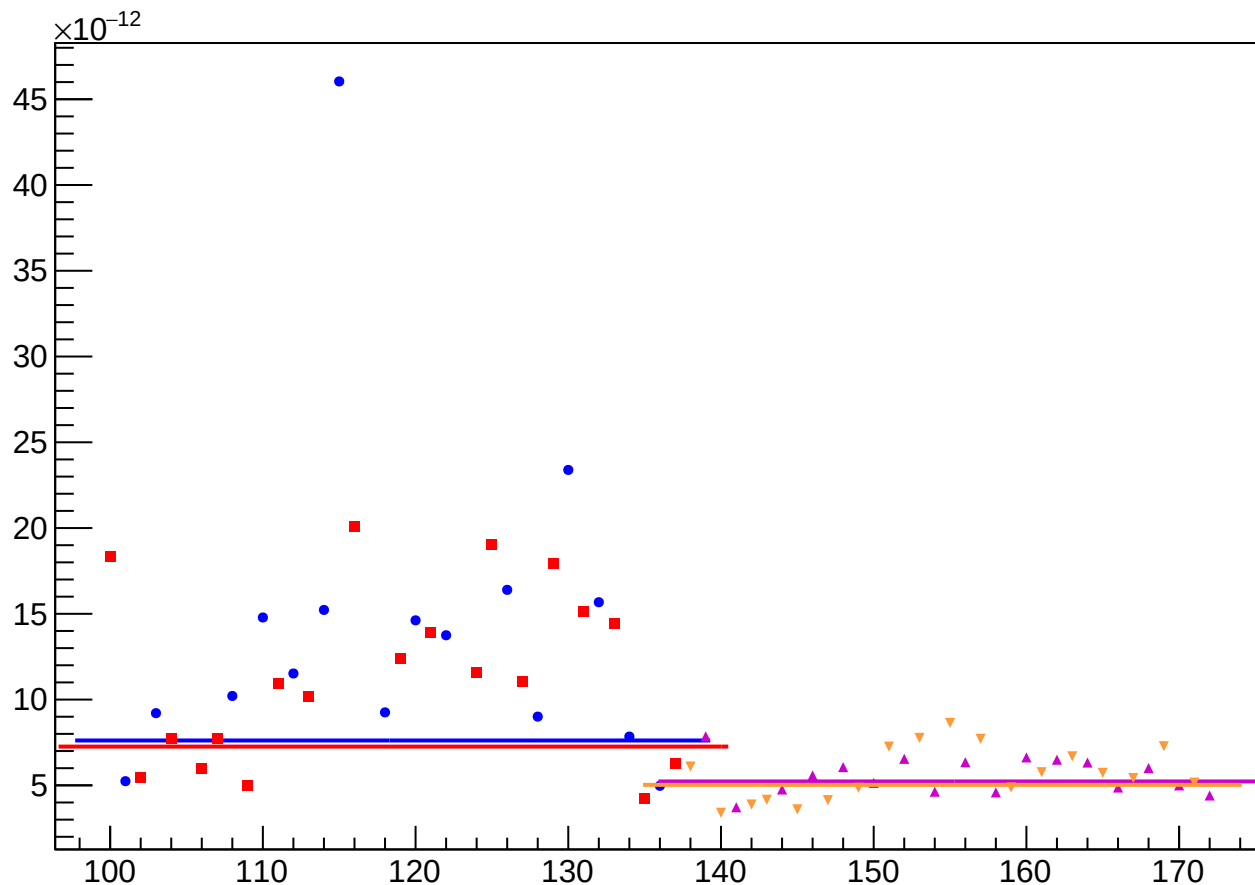
Left In: 0.000+/-0.000 χ^2/NDF : 10.6/16

+ sign -0.000+/-0.000 χ^2/NDF : 27.7/33

All: 0.000+/-0.000 χ^2/NDF : 55.2/69

- sign 0.000+/-0.000 χ^2/NDF : 25.2/35

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1449623.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1998231.7/18

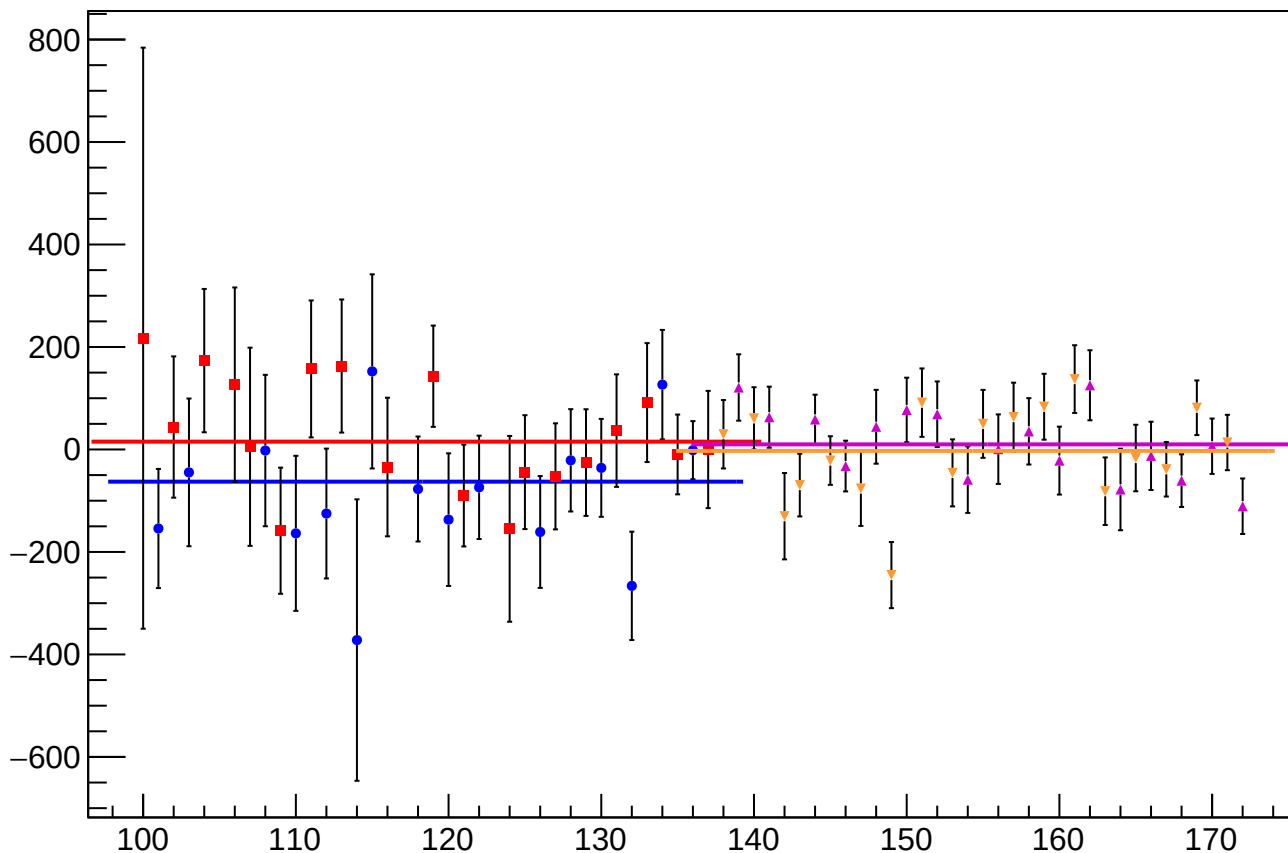
Left In: 0.000+/-0.000 χ^2/NDF : 698492.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 4241048.1/33

All: 0.000+/-0.000 χ^2/NDF : 7457357.4/69

- sign 0.000+/-0.000 χ^2/NDF : 3207238.6/35

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

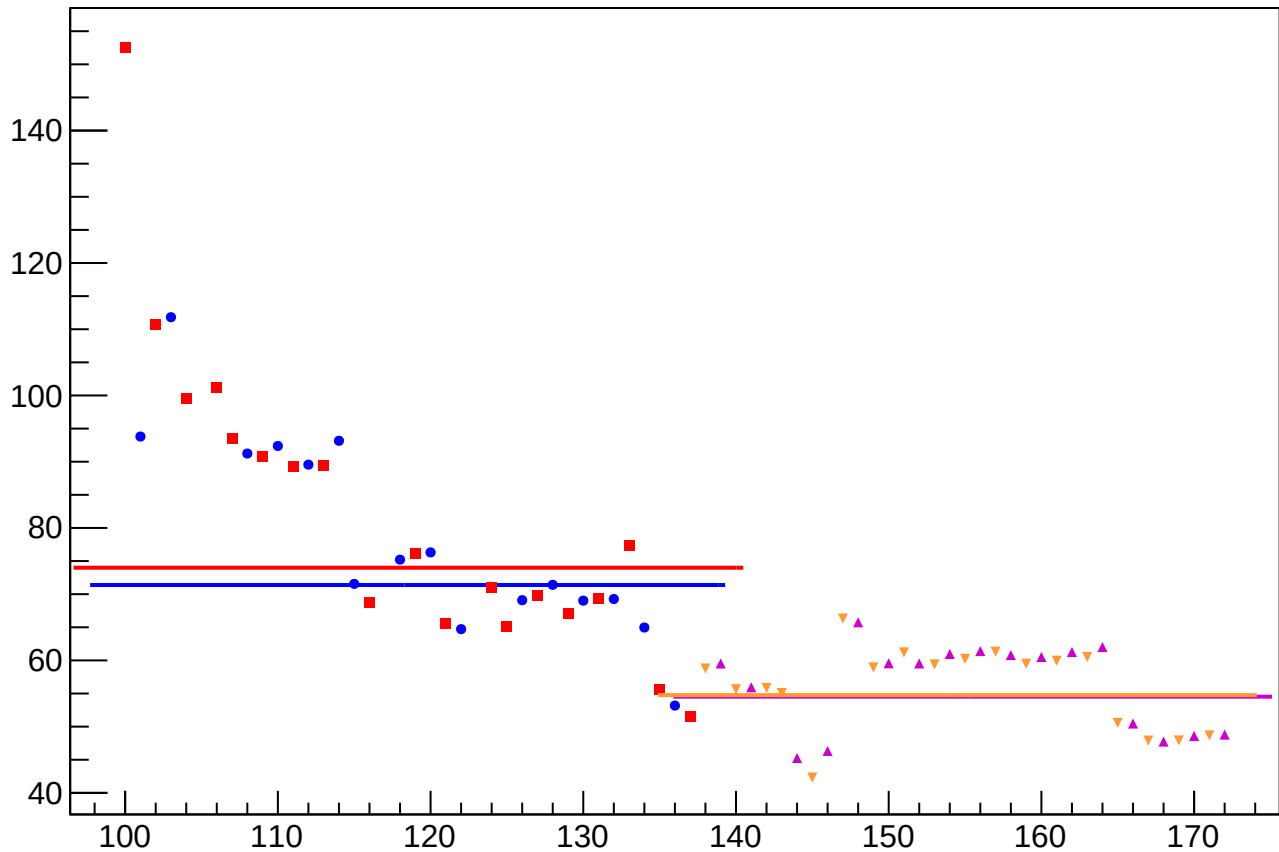
Left In: 9.949 ± 14.706 χ^2/NDF : 20.2/16

+ sign -16.212 ± 12.890 χ^2/NDF : 52.2/33

All: -2.660 ± 9.152 χ^2/NDF : 86.1/69

- sign 11.118 ± 12.996 χ^2/NDF : 31.7/35

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

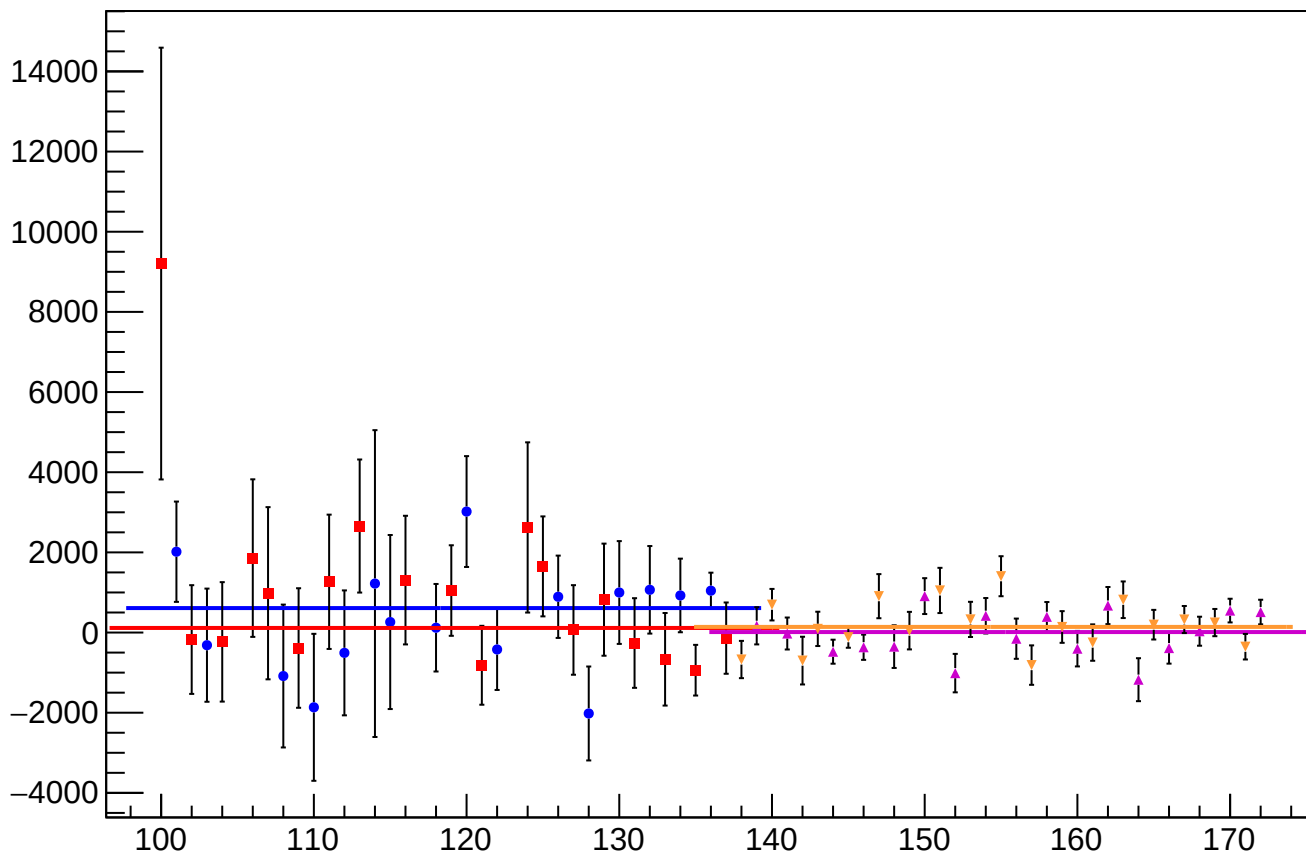
Left In: 54.525 ± 0.010 χ^2/NDF : 416433.8/16

+ sign 58.490 ± 0.009 χ^2/NDF : 1573888.6/33

All: 58.639 ± 0.006 χ^2/NDF : 3396993.7/69

- sign 58.789 ± 0.009 χ^2/NDF : 1822572.8/35

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 610.561 $\pm$ 266.802 χ^2 /NDF: 15.7/15

Left Out: 140.691 $\pm$ 95.883 χ^2 /NDF:28.7/17

Right Out: 114.633 $\pm$ 284.312 χ^2 /NDF: 15.6/18

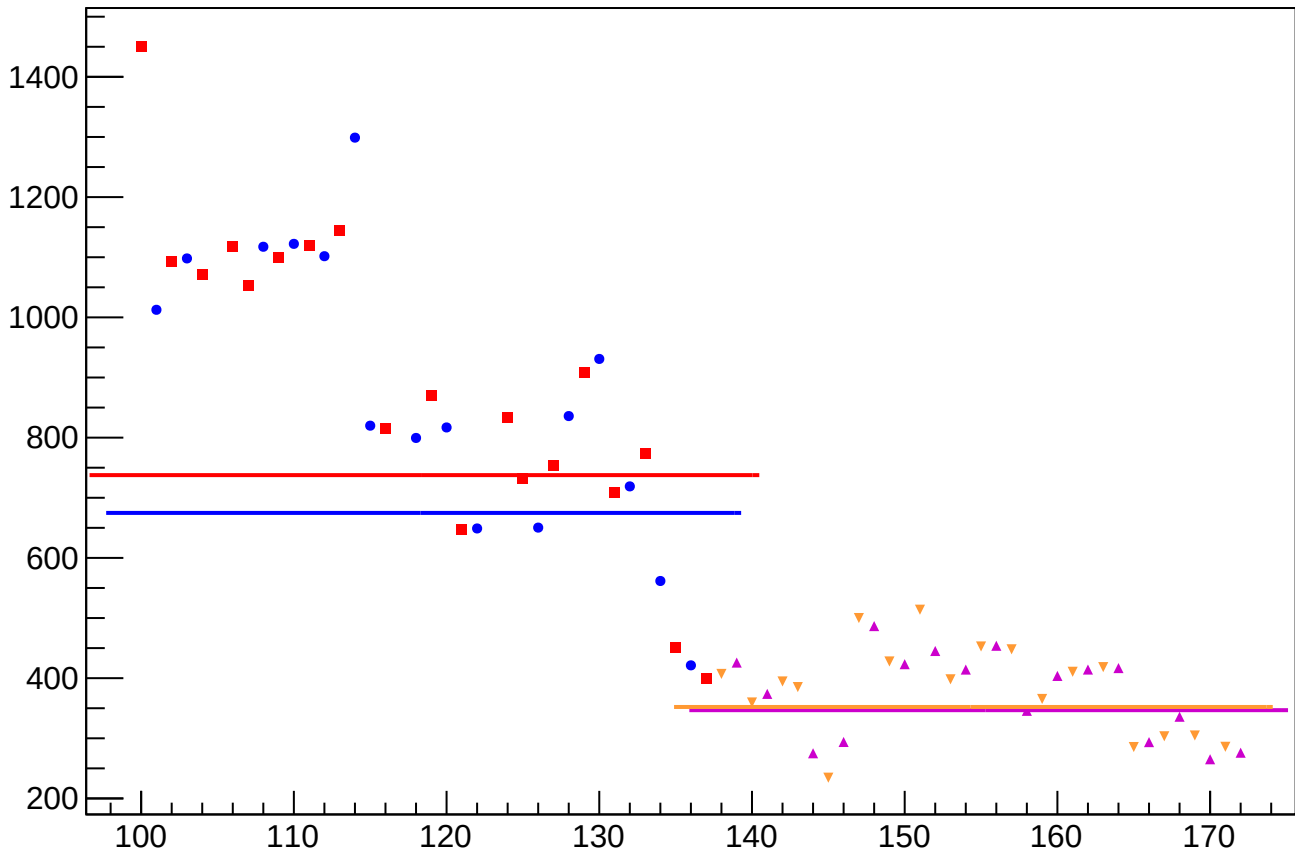
Left In: 12.032 $\pm$ 94.900 χ^2 /NDF:30.1/16

+ sign 194.435 $\pm$ 90.233 χ^2 /NDF: 47.2/33

All: 108.171 $\pm$ 63.728 χ^2 /NDF: 94.8/69

- sign 22.317 $\pm$ 90.018 χ^2 /NDF: 45.8/35

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 674.830 $\pm$ 0.189 χ^2 /NDF: 1617598.7/15

Left Out: 352.104 $\pm$ 0.068 χ^2 /NDF: 1298773.0/17

Right Out: 737.674 $\pm$ 0.201 χ^2 /NDF: 1516748.6/18

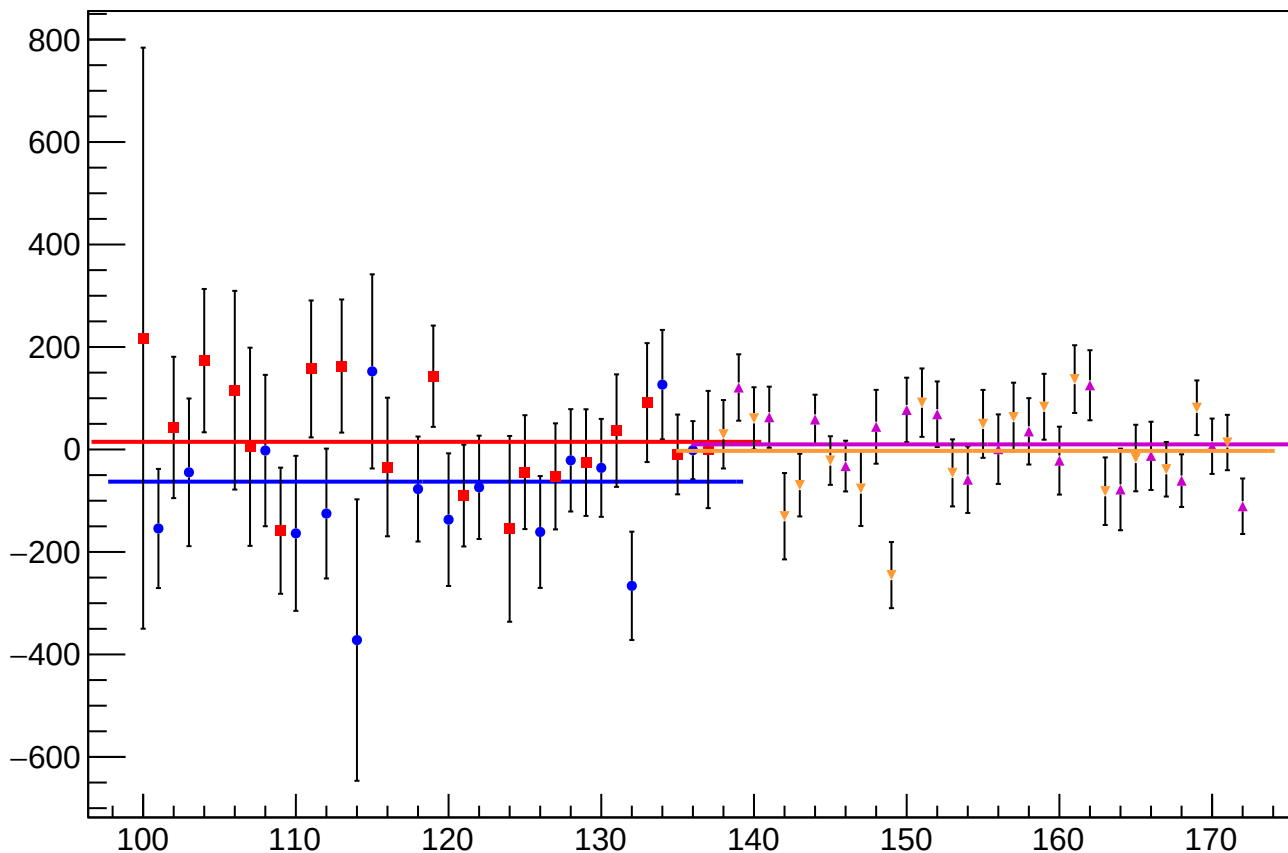
Left In: 346.784 $\pm$ 0.067 χ^2 /NDF: 1064370.8/16

+ sign 389.017 $\pm$ 0.064 χ^2 /NDF: 5507973.7/33

All: 387.490 $\pm$ 0.045 χ^2 /NDF: 11491756.3/69

- sign 385.970 $\pm$ 0.064 χ^2 /NDF: 5982639.0/35

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

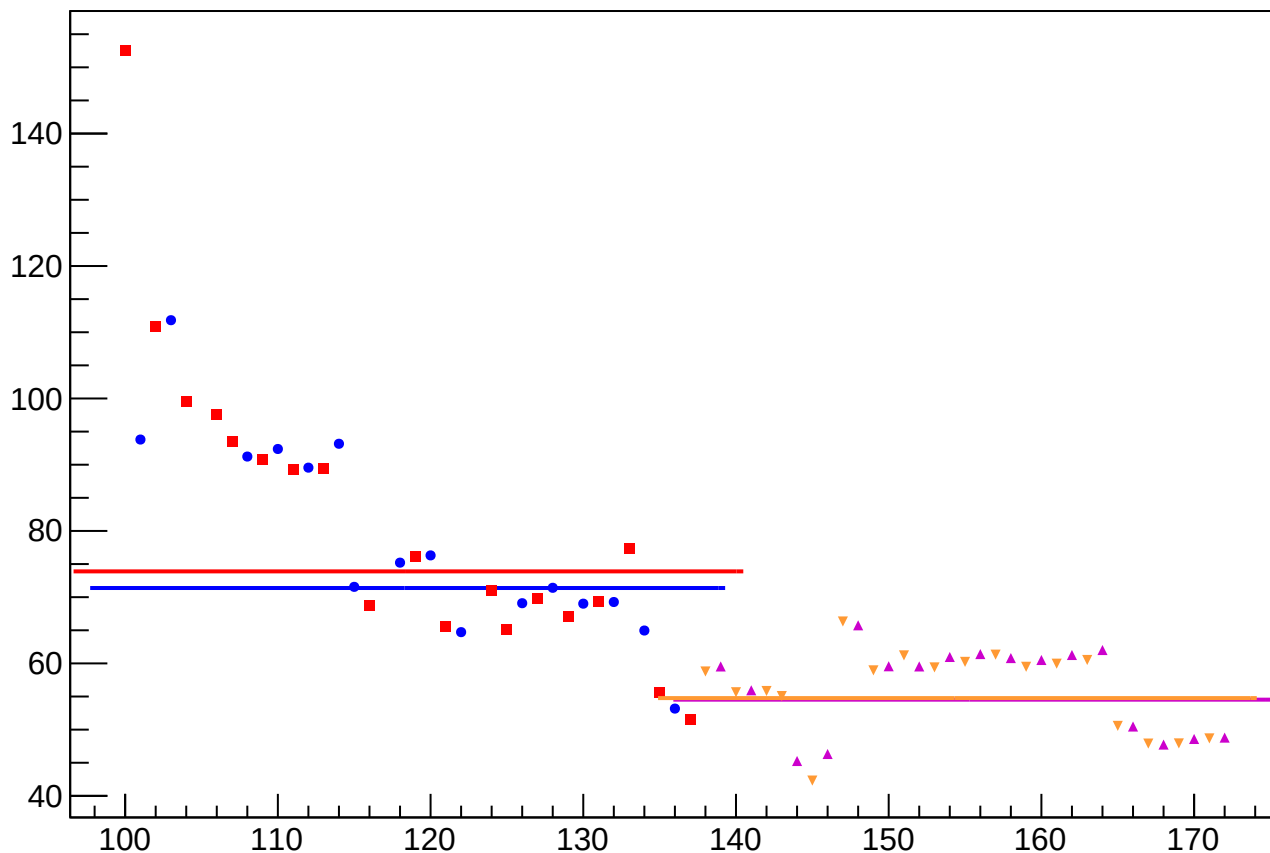
Left In: 9.949 ± 14.706 χ^2/NDF : 20.3/16

+ sign -16.210 ± 12.890 χ^2/NDF : 52.2/33

All: -2.699 ± 9.152 χ^2/NDF : 86.1/69

- sign 11.040 ± 12.997 χ^2/NDF : 31.7/35

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 ± 0.019 $\chi^2/\text{NDF}: 590911.7/15$

Left Out: 54.761 ± 0.010 $\chi^2/\text{NDF}: 404218.5/17$

Right Out: 73.894 ± 0.020 $\chi^2/\text{NDF}: 627014.3/18$

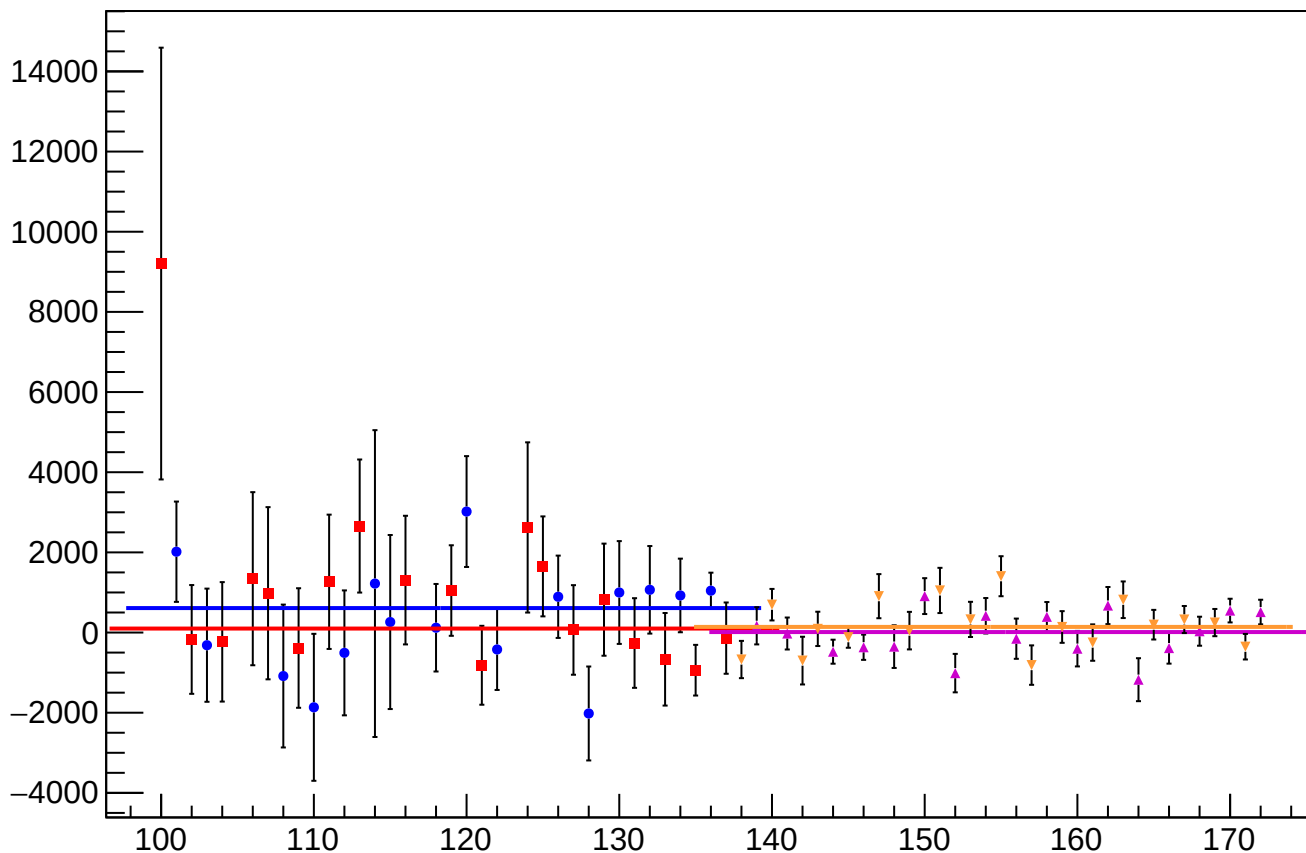
Left In: 54.525 ± 0.010 $\chi^2/\text{NDF}: 416433.8/16$

+ sign 58.490 ± 0.009 $\chi^2/\text{NDF}: 1573891.2/33$

All: 58.626 ± 0.006 $\chi^2/\text{NDF}: 3377067.6/69$

- sign 58.764 ± 0.009 $\chi^2/\text{NDF}: 1802729.5/35$

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 610.549 $\pm$ 266.803 χ^2 /NDF: 15.7/15

Left Out: 140.689 $\pm$ 95.883 χ^2 /NDF:28.7/17

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

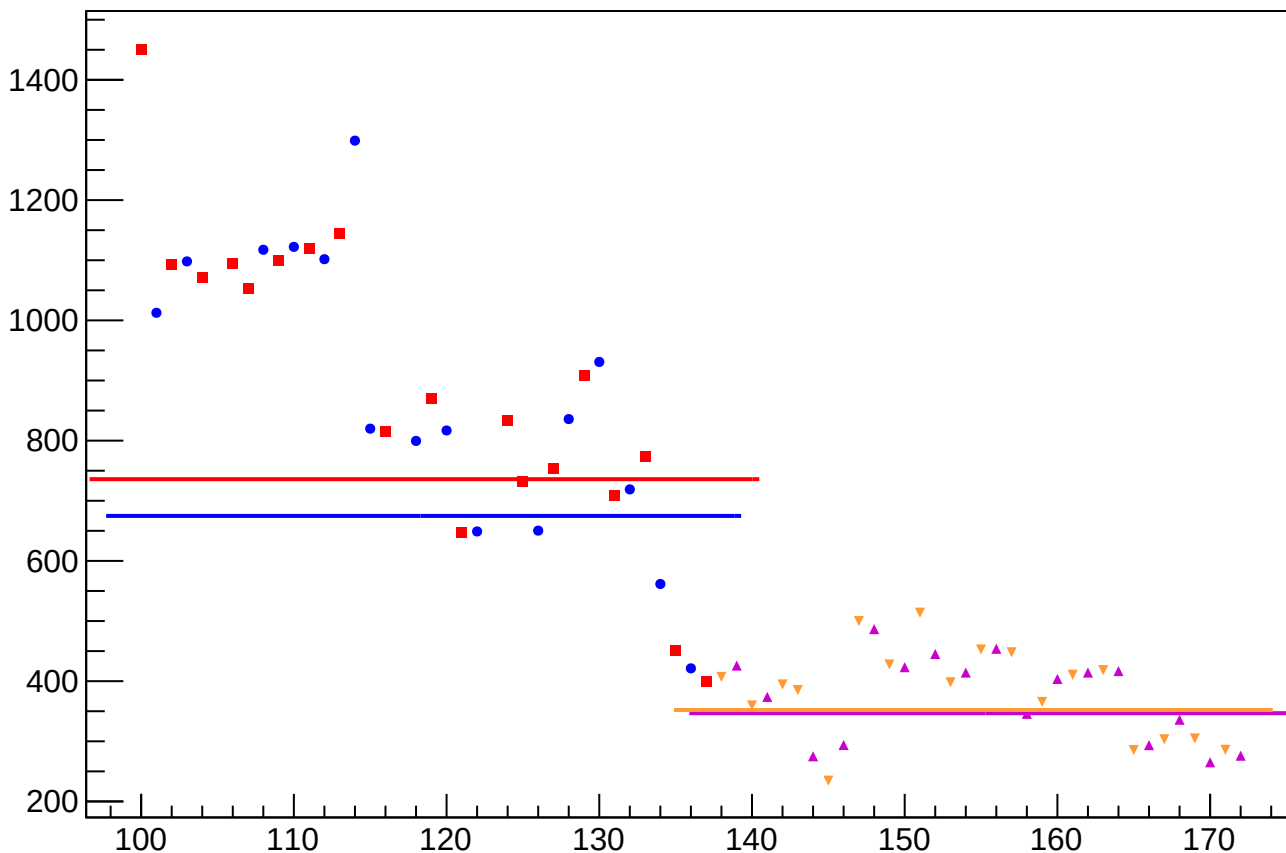
Left In: 12.034 $\pm$ 94.900 χ^2 /NDF:30.1/16

+ sign 194.431 $\pm$ 90.233 χ^2 /NDF: 47.2/33

All: 107.414 $\pm$ 63.734 χ^2 /NDF: 94.3/69

- sign 20.779 $\pm$ 90.035 χ^2 /NDF: 45.3/35

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

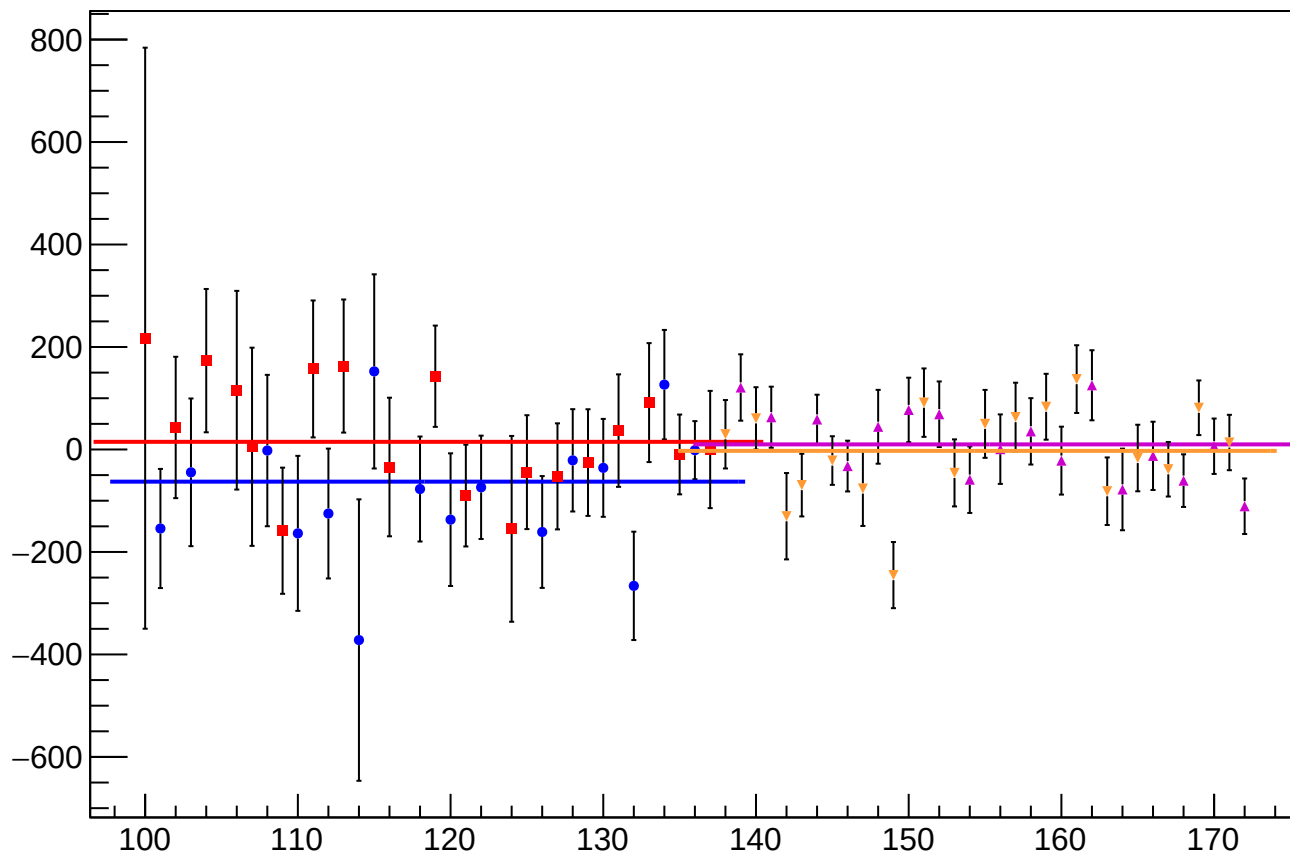
Left In: 346.784+/-0.067 χ^2/NDF : 1064376.4/16

+ sign 389.017+/-0.064 χ^2/NDF : 5507998.5/33

All: 387.338+/-0.045 χ^2/NDF : 11430730.3/69

- sign 385.666+/-0.064 χ^2/NDF : 5921349.1/35

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

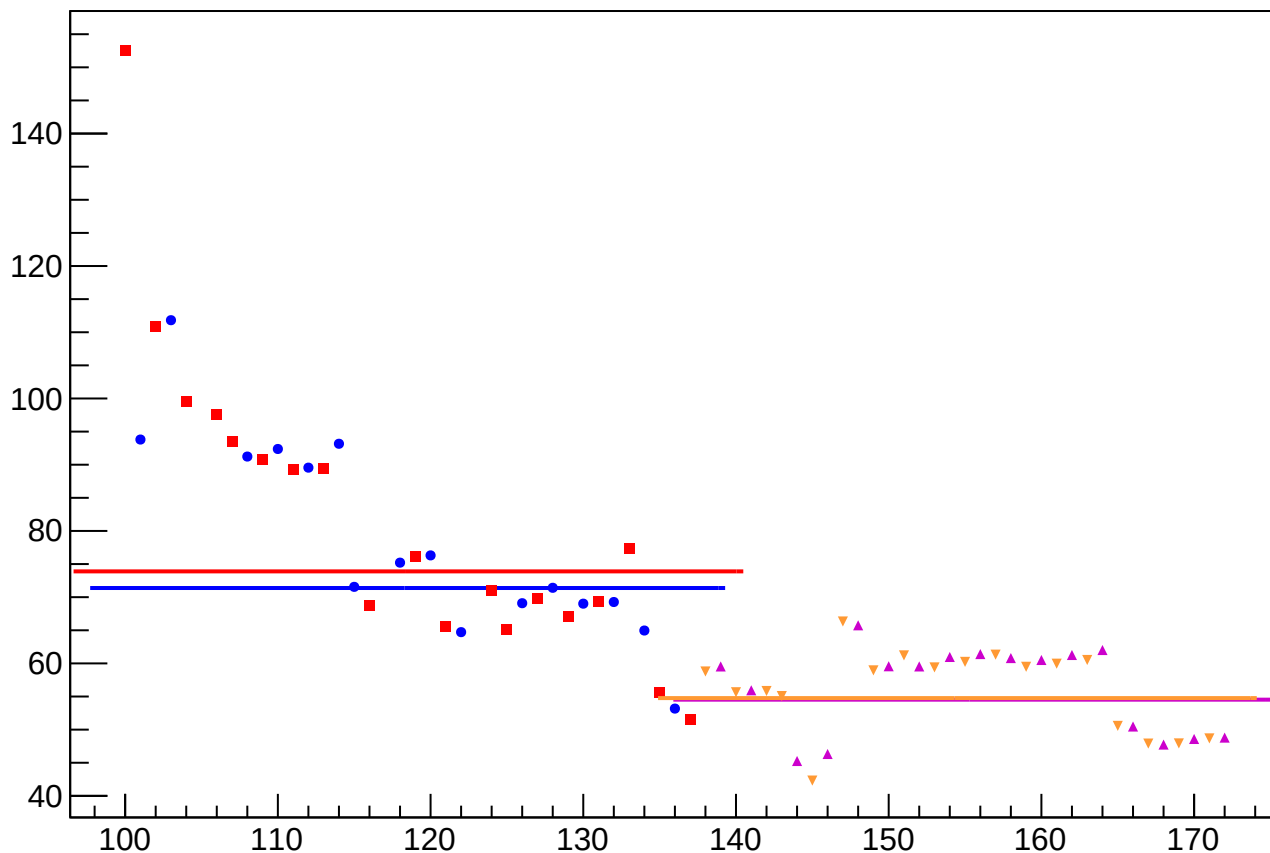
Left In: 9.949 ± 14.706 χ^2/NDF : 20.3/16

+ sign -16.210 ± 12.890 χ^2/NDF : 52.2/33

All: -2.699 ± 9.152 χ^2/NDF : 86.1/69

- sign 11.040 ± 12.997 χ^2/NDF : 31.7/35

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.383 ± 0.019 $\chi^2/\text{NDF}: 590911.7/15$

Left Out: 54.761 ± 0.010 $\chi^2/\text{NDF}: 404218.5/17$

Right Out: 73.894 ± 0.020 $\chi^2/\text{NDF}: 627014.3/18$

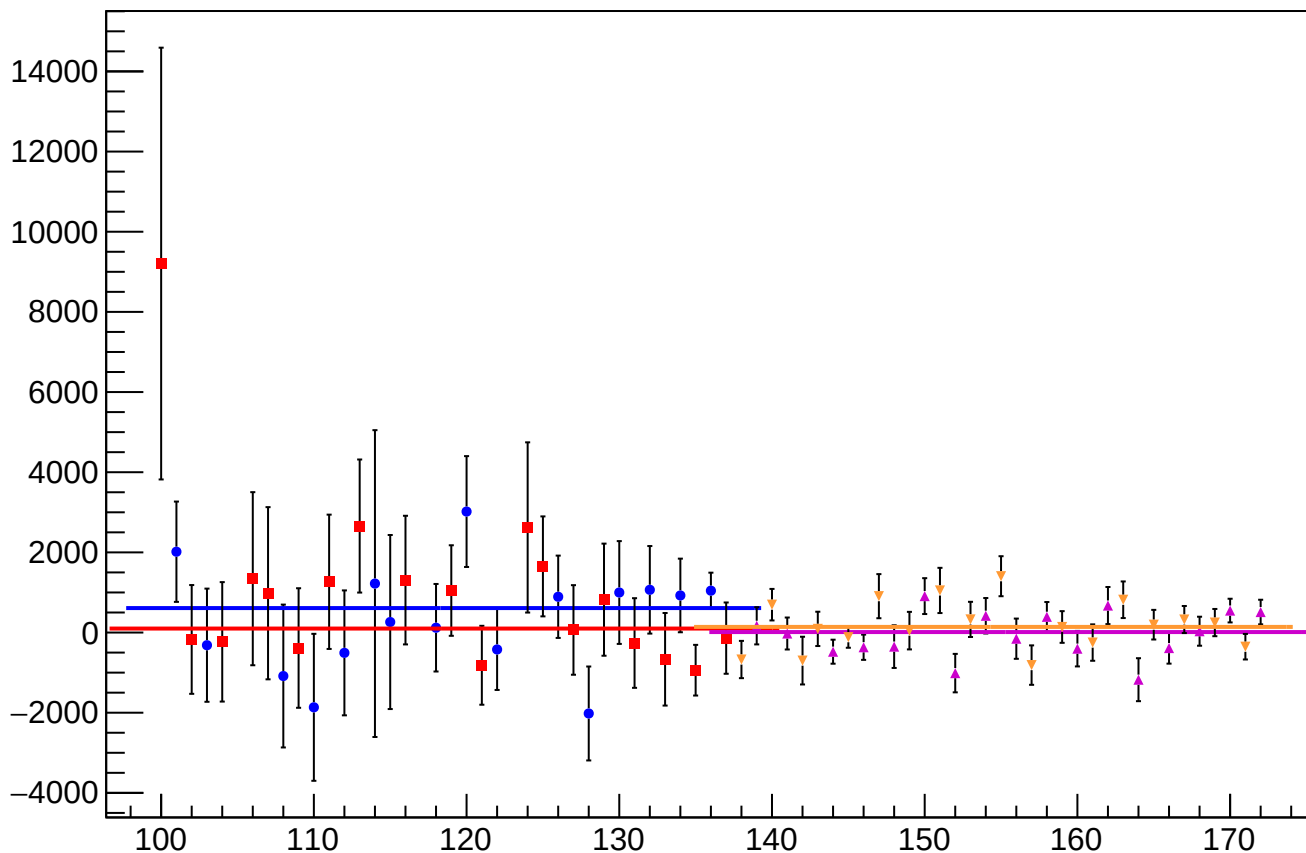
Left In: 54.525 ± 0.010 $\chi^2/\text{NDF}: 416433.8/16$

+ sign 58.490 ± 0.009 $\chi^2/\text{NDF}: 1573891.2/33$

All: 58.626 ± 0.006 $\chi^2/\text{NDF}: 3377067.6/69$

- sign 58.764 ± 0.009 $\chi^2/\text{NDF}: 1802729.5/35$

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 610.549 $\pm$ 266.803 χ^2 /NDF: 15.7/15

Left Out: 140.689 $\pm$ 95.883 χ^2 /NDF:28.7/17

Right Out: 99.555 $\pm$ 284.831 χ^2 /NDF: 15.1/18

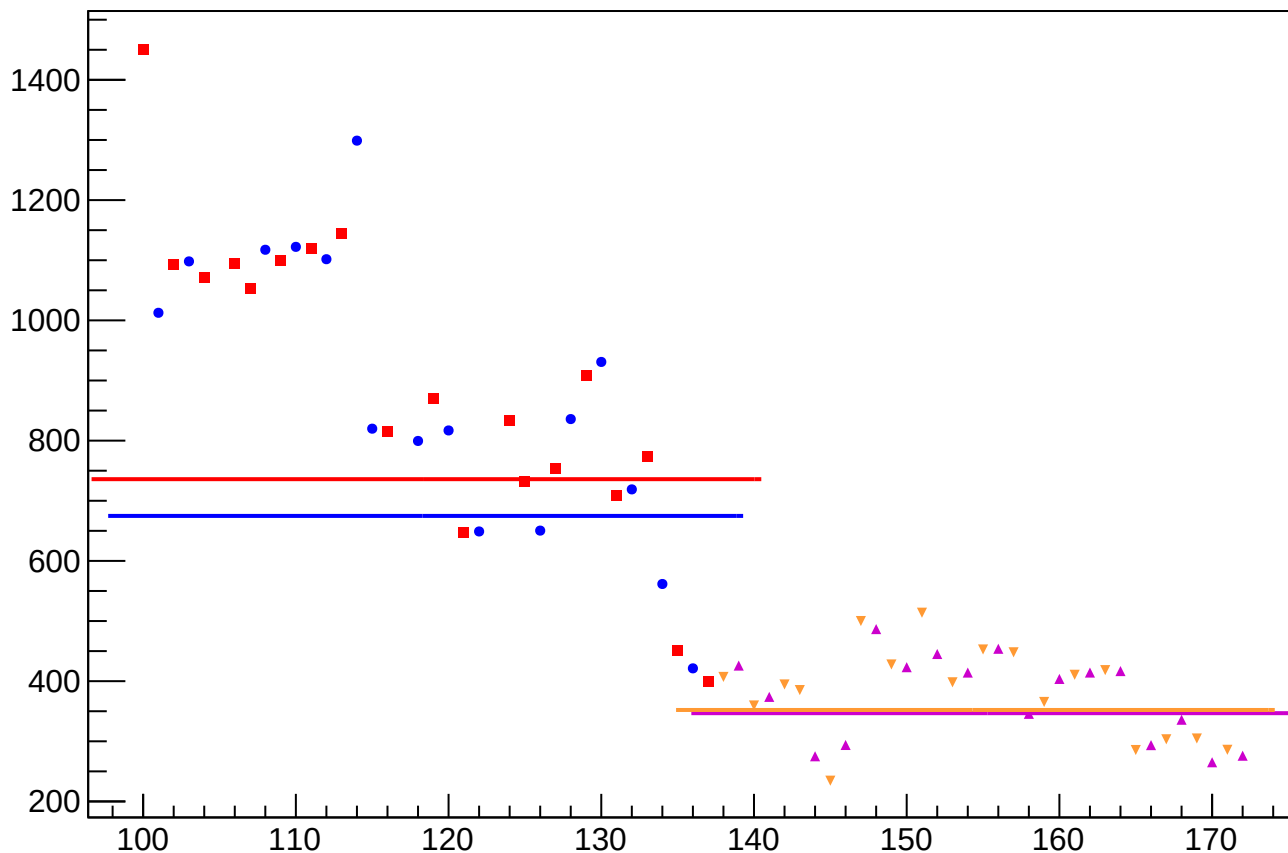
Left In: 12.034 $\pm$ 94.900 χ^2 /NDF:30.1/16

+ sign 194.431 $\pm$ 90.233 χ^2 /NDF: 47.2/33

All: 107.414 $\pm$ 63.734 χ^2 /NDF: 94.3/69

- sign 20.779 $\pm$ 90.035 χ^2 /NDF: 45.3/35

asym_sam_15_26_dd_eigen_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

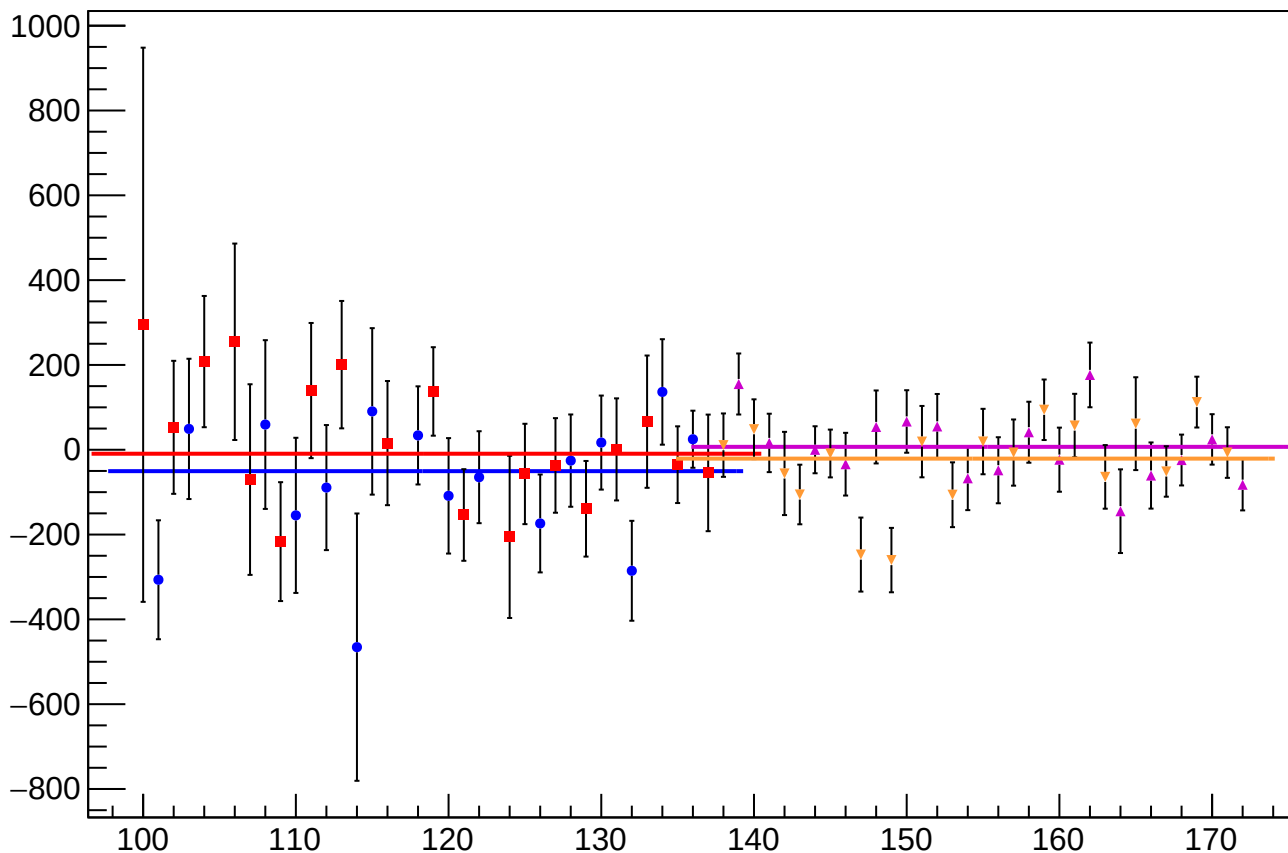
Left In: 346.784+/-0.067 χ^2/NDF : 1064376.4/16

+ sign 389.017+/-0.064 χ^2/NDF : 5507998.5/33

All: 387.338+/-0.045 χ^2/NDF : 11430730.3/69

- sign 385.666+/-0.064 χ^2/NDF : 5921349.1/35

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -50.465 ± 31.061 $\chi^2/\text{NDF}: 16.4/15$

Left Out: -20.915 ± 17.078 $\chi^2/\text{NDF}: 31.0/17$

Right Out: -9.380 ± 31.235 $\chi^2/\text{NDF}: 15.6/18$

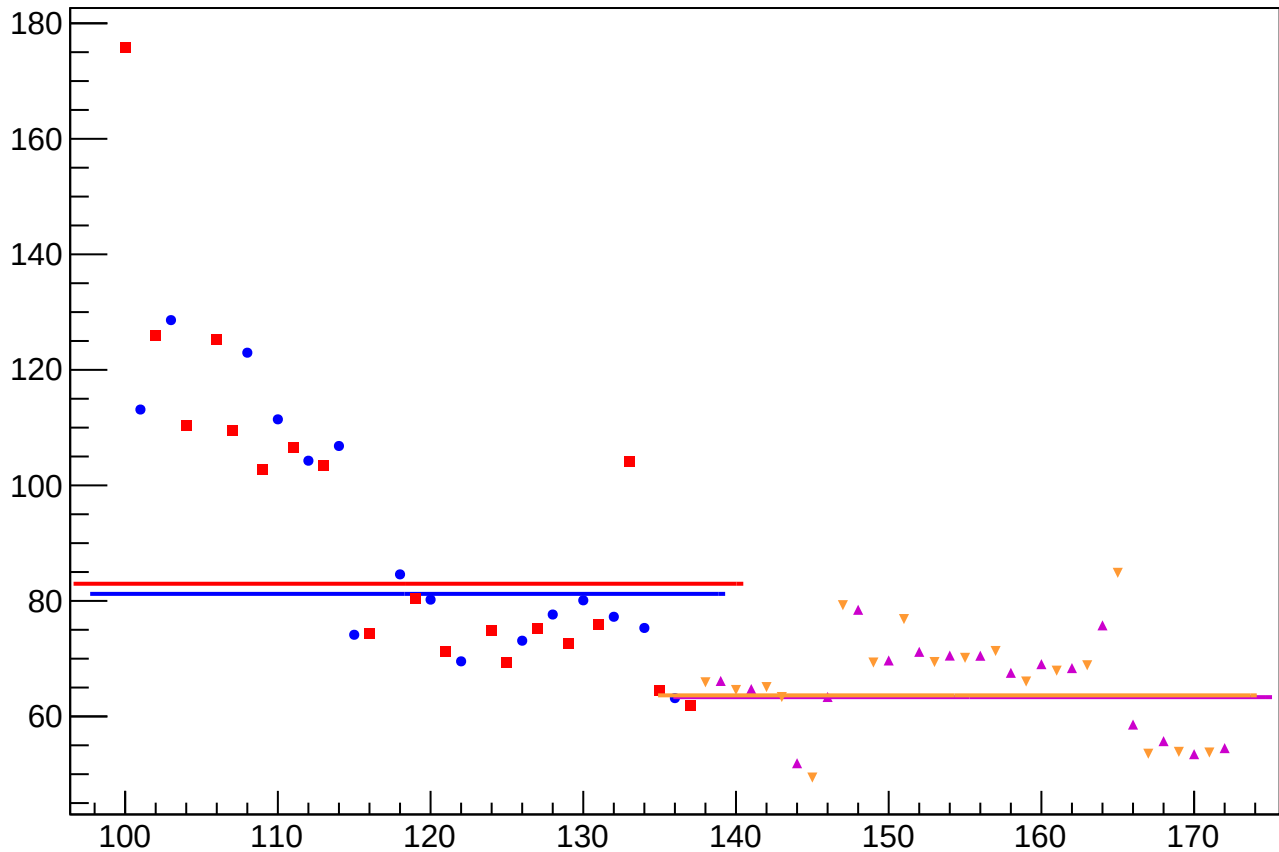
Left In: 6.856 ± 17.187 $\chi^2/\text{NDF}: 18.4/16$

+ sign -27.774 ± 14.965 $\chi^2/\text{NDF}: 48.2/33$

All: -12.441 ± 10.615 $\chi^2/\text{NDF}: 84.4/69$

- sign 3.083 ± 15.058 $\chi^2/\text{NDF}: 34.2/35$

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

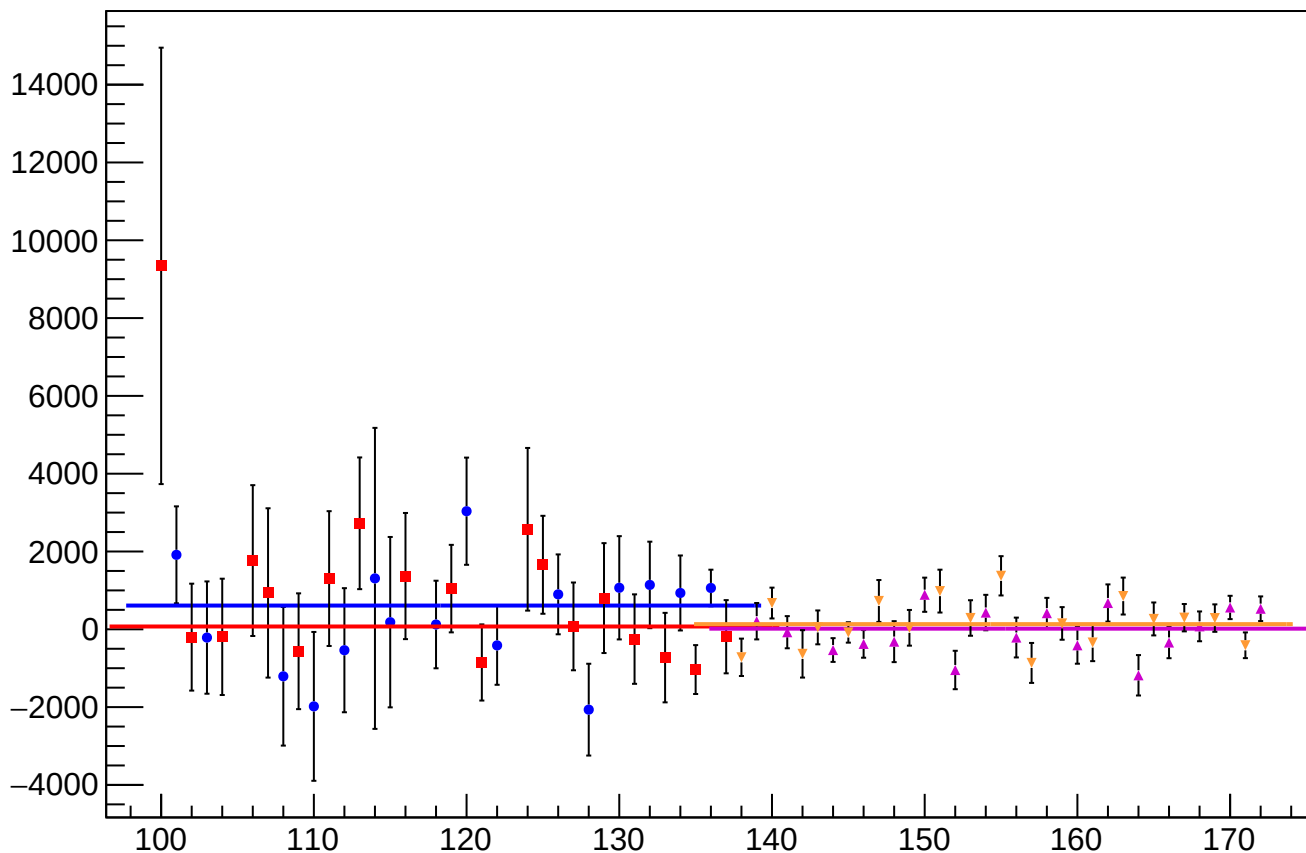
Left In: 63.338+/-0.012 χ^2/NDF : 418094.3/16

+ sign 67.728+/-0.011 χ^2/NDF : 1713225.7/33

All: 67.814+/-0.008 χ^2/NDF : 3468379.6/69

- sign 67.901+/-0.011 χ^2/NDF : 1755020.8/35

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

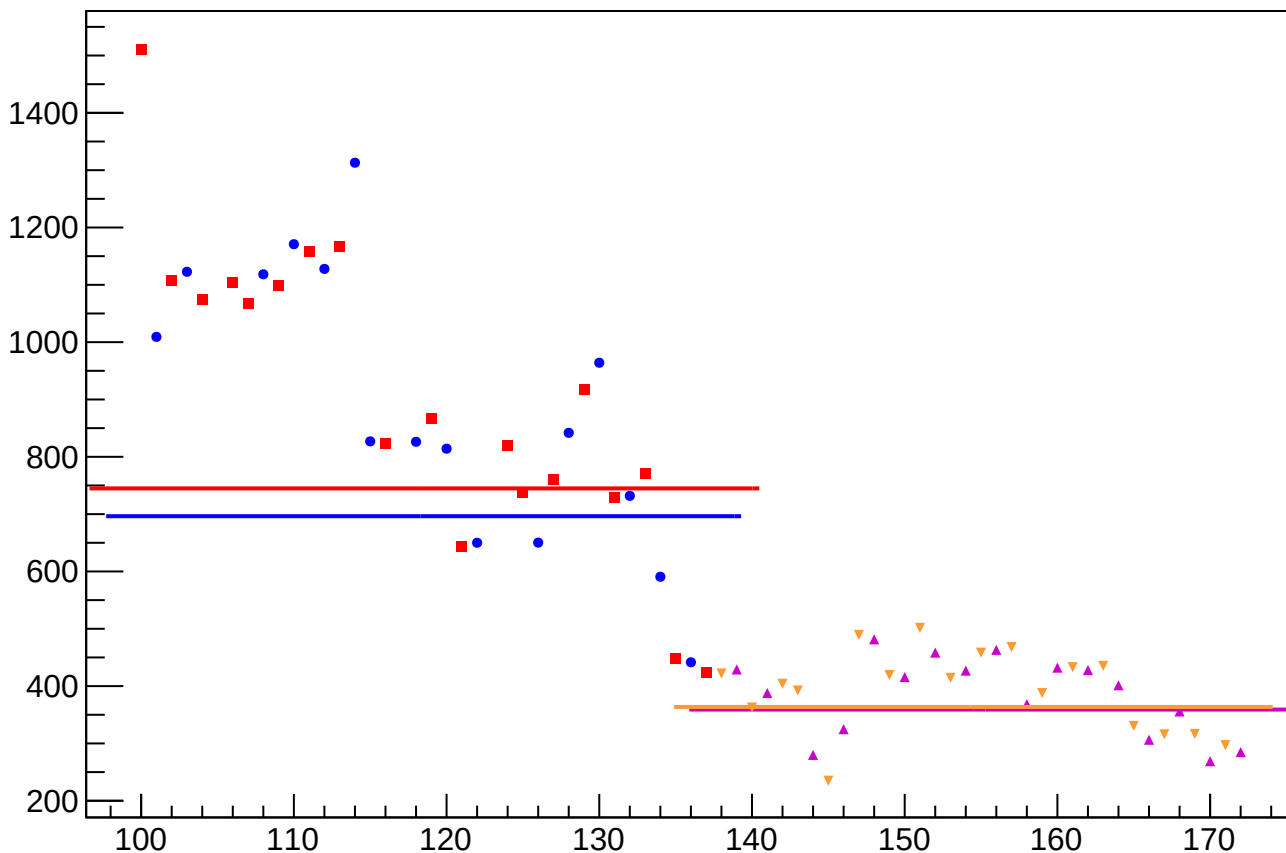
Left In: 16.291 ± 98.214 χ^2/NDF : 30.5/16

+ sign 187.881 ± 92.897 χ^2/NDF : 45.9/33

All: 105.044 ± 65.695 χ^2/NDF : 94.1/69

- sign 22.170 ± 92.918 χ^2/NDF : 46.7/35

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

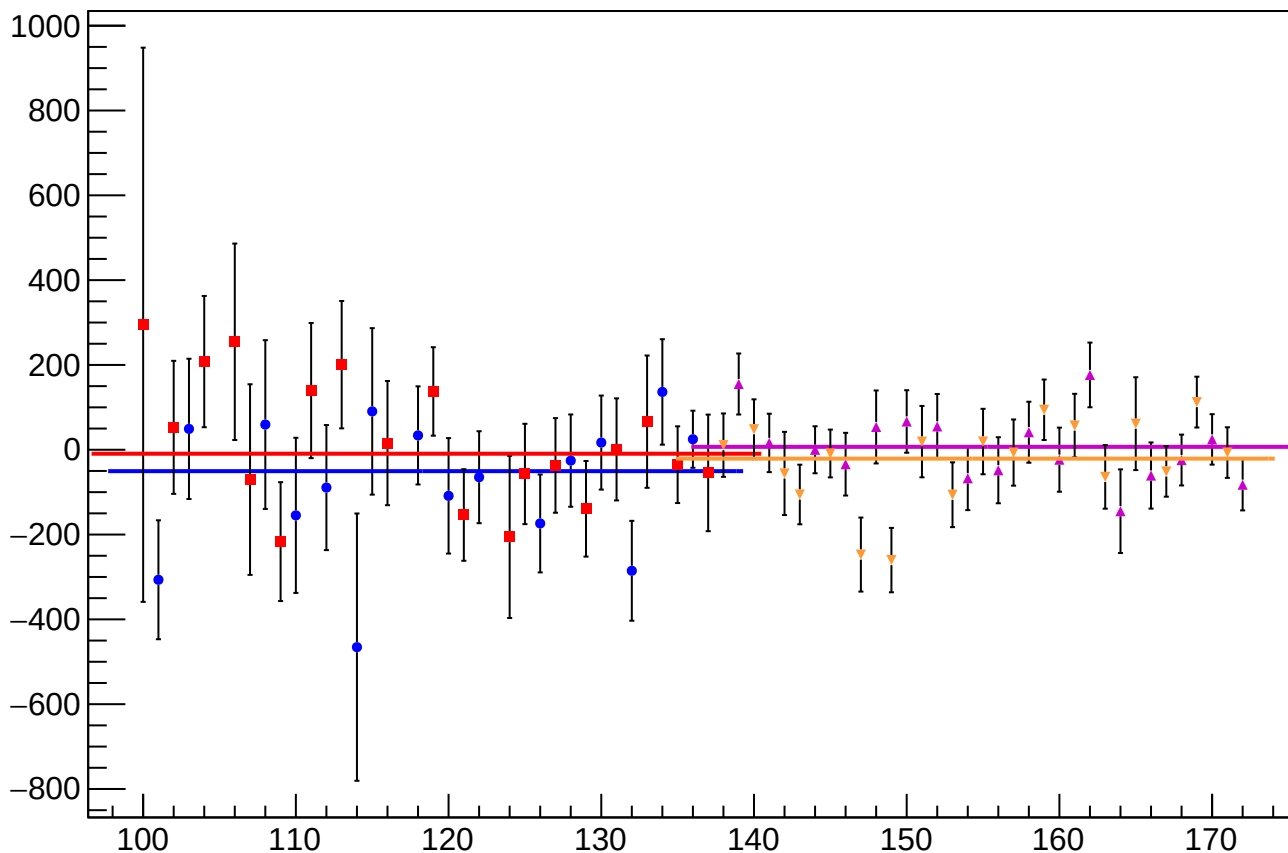
Left In: 359.057+/-0.069 χ^2/NDF :985685.0/16

+ sign 401.887+/-0.066 χ^2/NDF : 5355718.6/33

All: 400.717+/-0.046 χ^2/NDF : 11079297.6/69

- sign 399.545+/-0.066 χ^2/NDF : 5722943.2/35

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

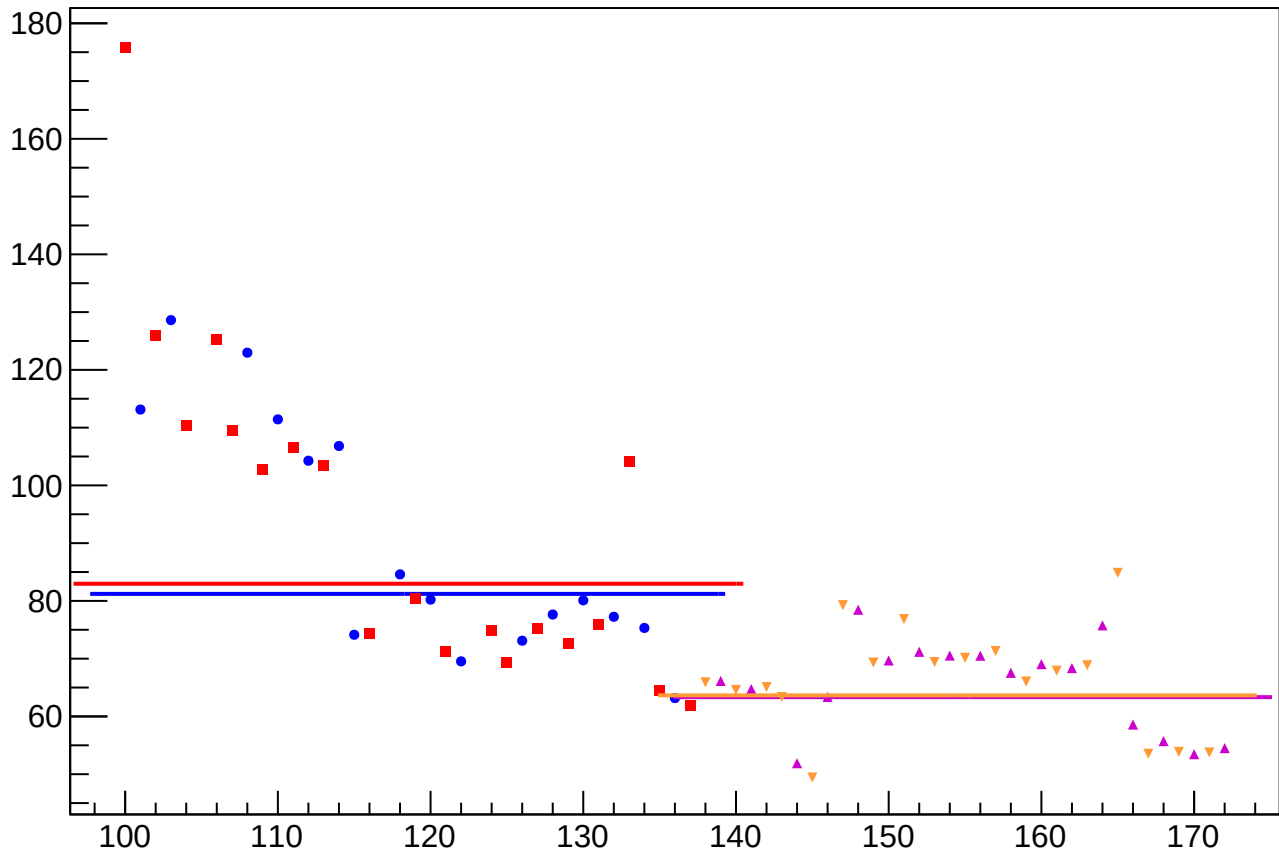
Left In: 6.856 ± 17.187 χ^2/NDF : 18.4/16

+ sign -27.773 ± 14.965 χ^2/NDF : 48.2/33

All: -12.441 ± 10.615 χ^2/NDF : 84.4/69

- sign 3.082 ± 15.058 χ^2/NDF : 34.2/35

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.218 $\pm$ 0.022 χ^2 /NDF: 662862.1/15

Left Out: 63.650 $\pm$ 0.012 χ^2 /NDF: 559044.2/17

Right Out: 82.971 $\pm$ 0.022 χ^2 /NDF: 730375.6/18

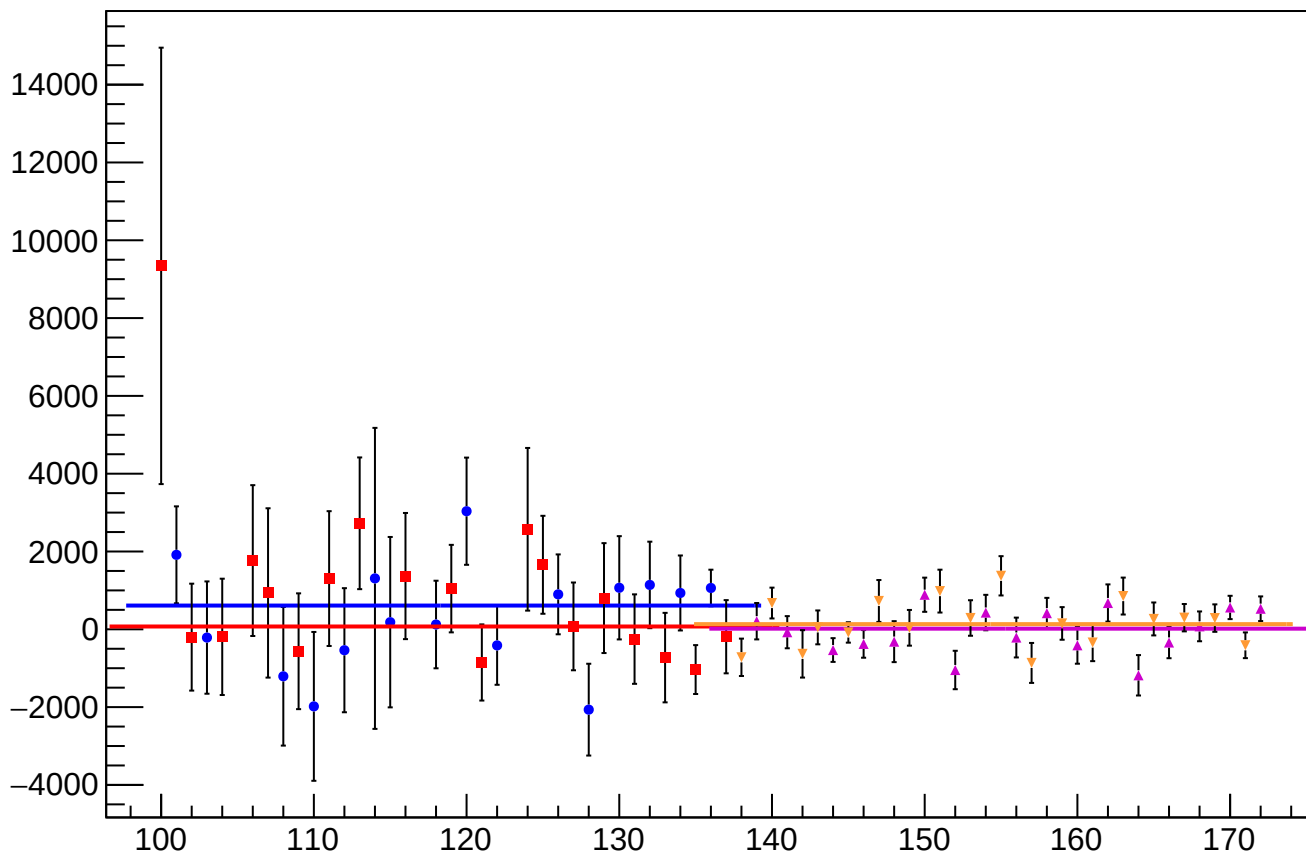
Left In: 63.338 $\pm$ 0.012 χ^2 /NDF: 418090.4/16

+ sign 67.728 $\pm$ 0.011 χ^2 /NDF: 1713179.8/33

All: 67.814 $\pm$ 0.008 χ^2 /NDF: 3468295.7/69

- sign 67.901 $\pm$ 0.011 χ^2 /NDF: 1754982.8/35

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

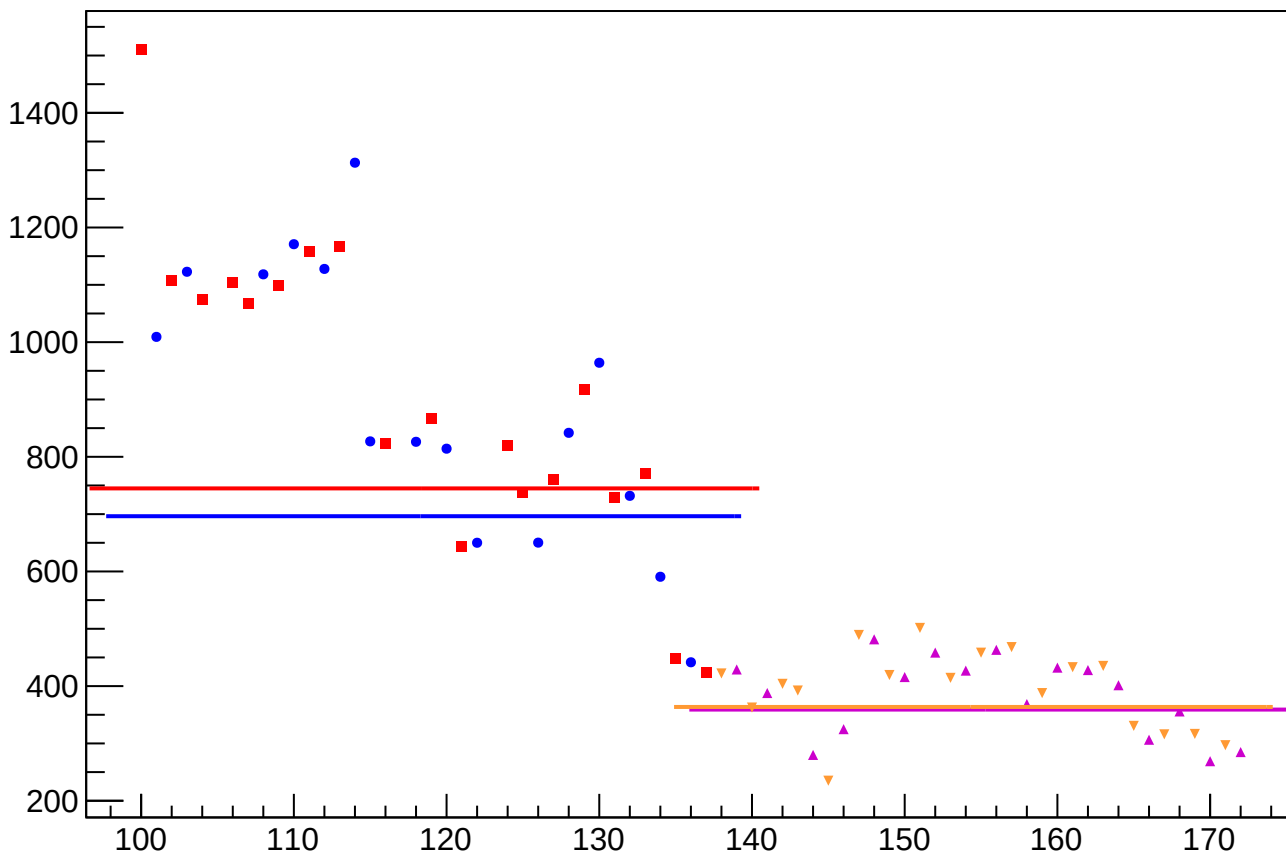
Left In: 16.291 ± 98.214 χ^2/NDF : 30.5/16

+ sign 187.882 ± 92.897 χ^2/NDF : 45.9/33

All: 105.045 ± 65.695 χ^2/NDF : 94.1/69

- sign 22.170 ± 92.918 χ^2/NDF : 46.7/35

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 696.370 $\pm$ 0.194 χ^2 /NDF: 1515461.8/15

Left Out: 363.635 $\pm$ 0.070 χ^2 /NDF:1229626.5/17

Right Out: 744.874 $\pm$ 0.203 χ^2 /NDF: 1498349.6/18

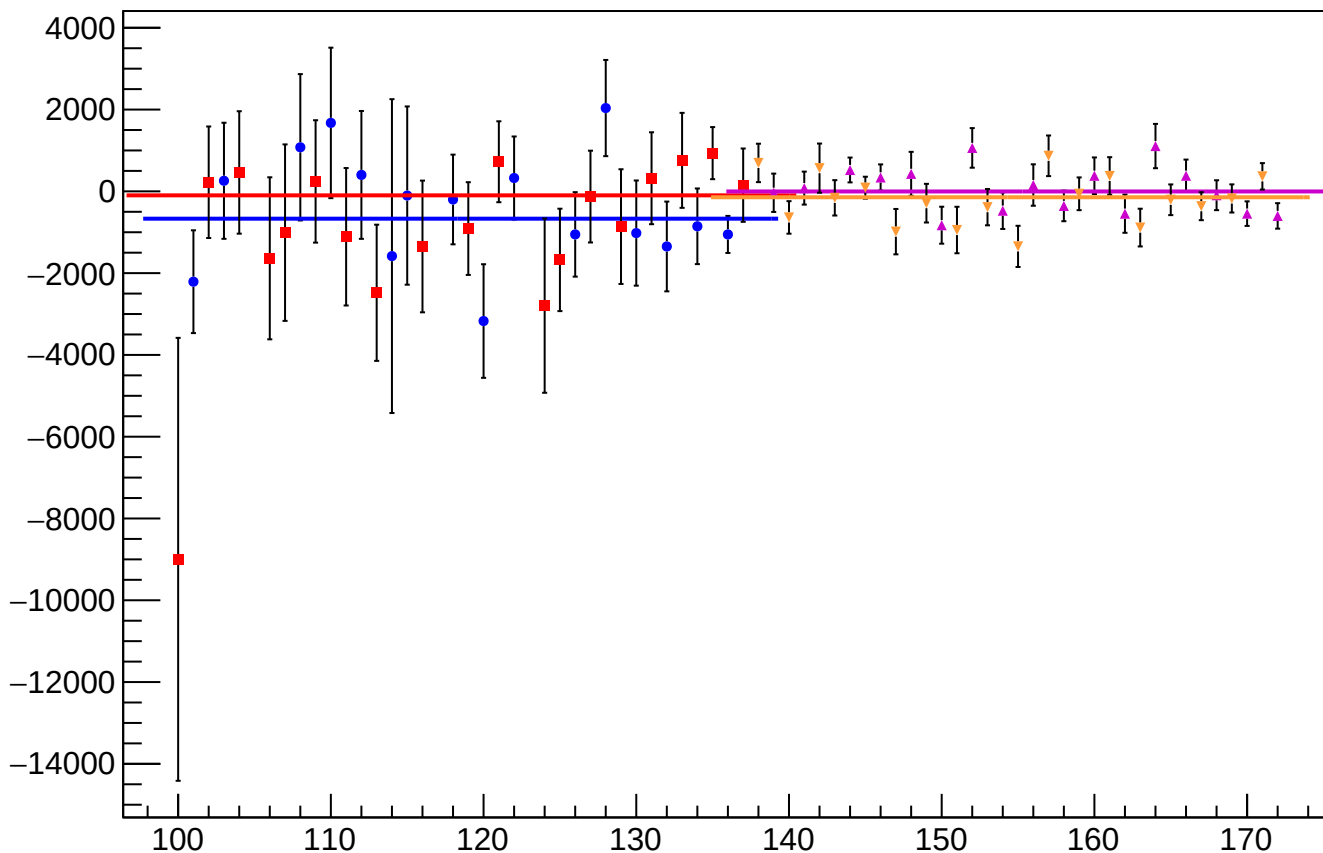
Left In: 359.057 $\pm$ 0.069 χ^2 /NDF:985694.3/16

+ sign 401.887 $\pm$ 0.066 χ^2 /NDF: 5355720.3/33

All: 400.717 $\pm$ 0.046 χ^2 /NDF: 11079286.5/69

- sign 399.545 $\pm$ 0.066 χ^2 /NDF: 5722930.6/35

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

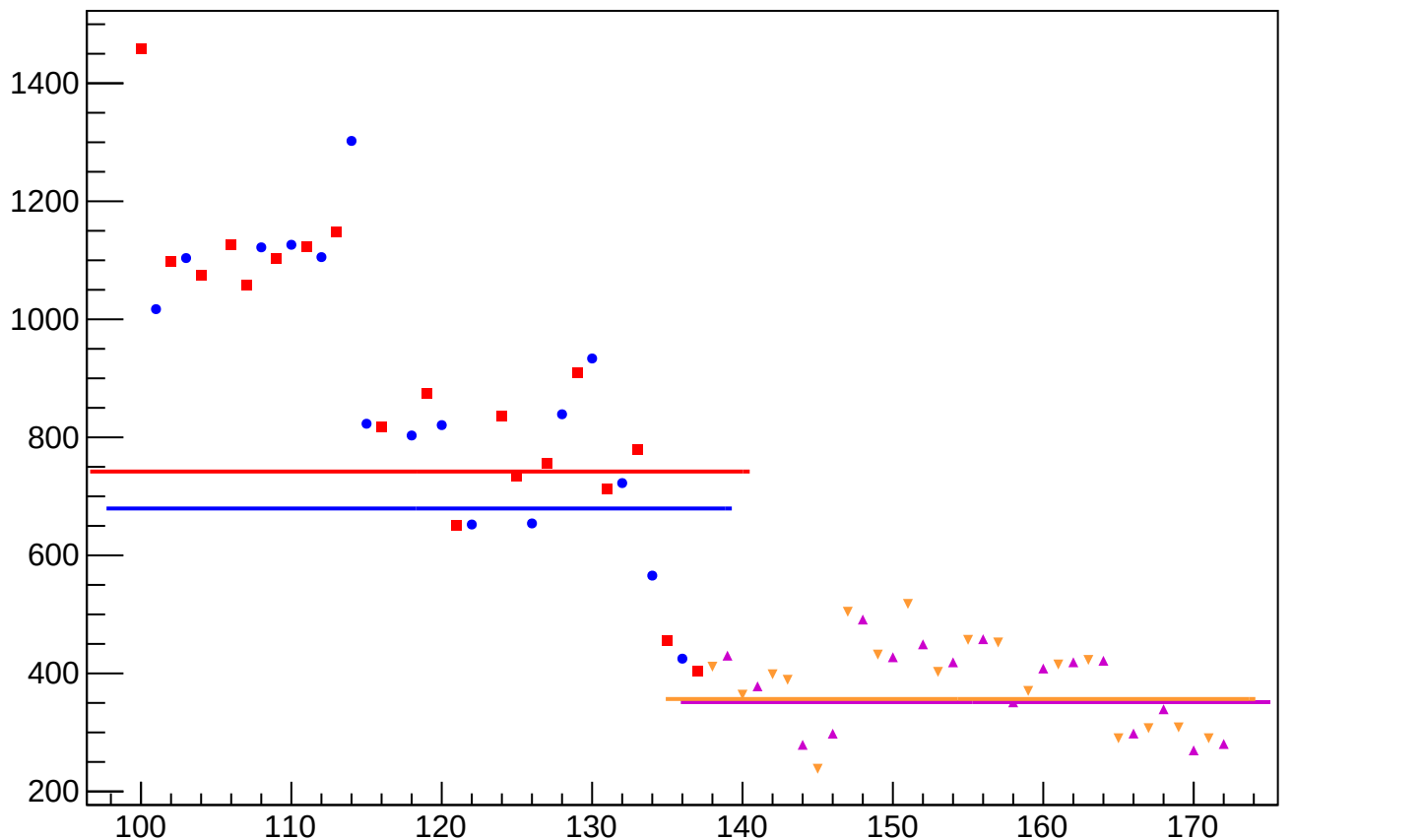
Left In: -2.717 ± 96.111 χ^2/NDF : 29.3/16

+ sign -205.130 ± 91.279 χ^2/NDF : 47.8/33

All: -108.572 ± 64.481 χ^2/NDF : 94.3/69

- sign -12.393 ± 91.100 χ^2/NDF : 44.3/35

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

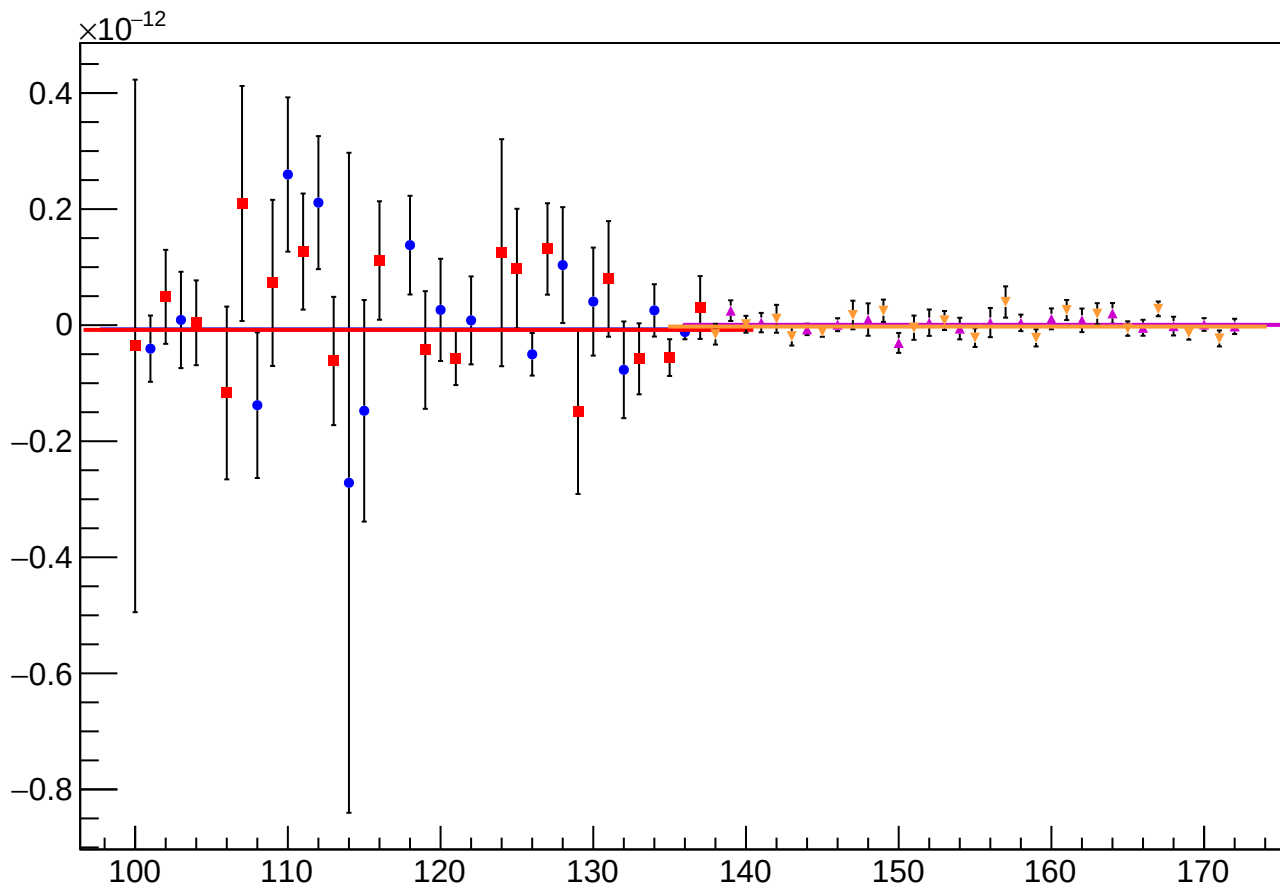
Left In: 351.401+/-0.068 χ^2/NDF :1040755.1/16

+ sign 393.978+/-0.065 χ^2/NDF : 5429354.2/33

All: 392.523+/-0.046 χ^2/NDF : 11331303.7/69

- sign 391.073+/-0.064 χ^2/NDF : 5900935.1/35

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.8/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.0/18

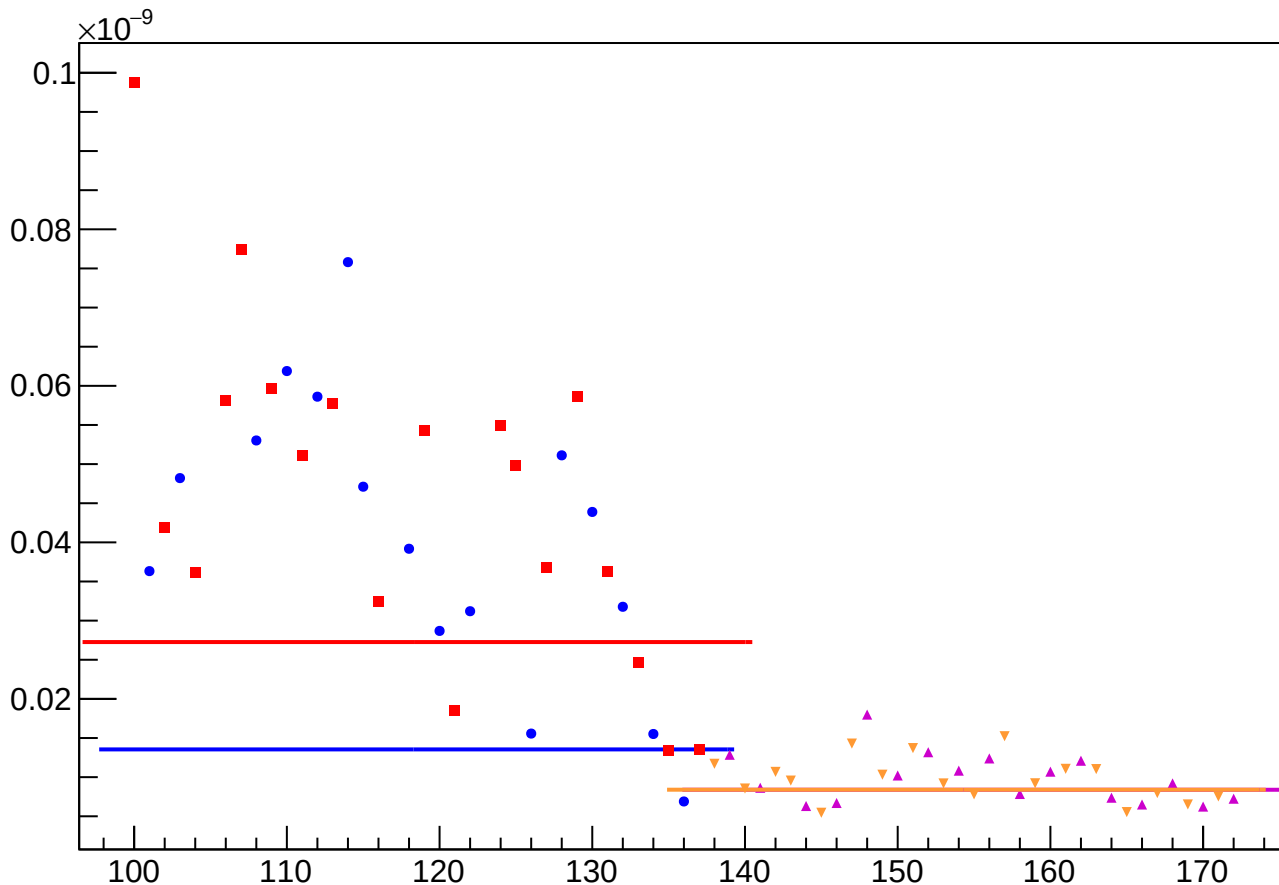
Left In: 0.000 ± 0.000 χ^2/NDF : 8.1/16

+ sign -0.000 ± 0.000 χ^2/NDF : 42.2/33

All: -0.000 ± 0.000 χ^2/NDF : 68.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 25.4/35

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3045220.5/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 984329.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1735739.6/18

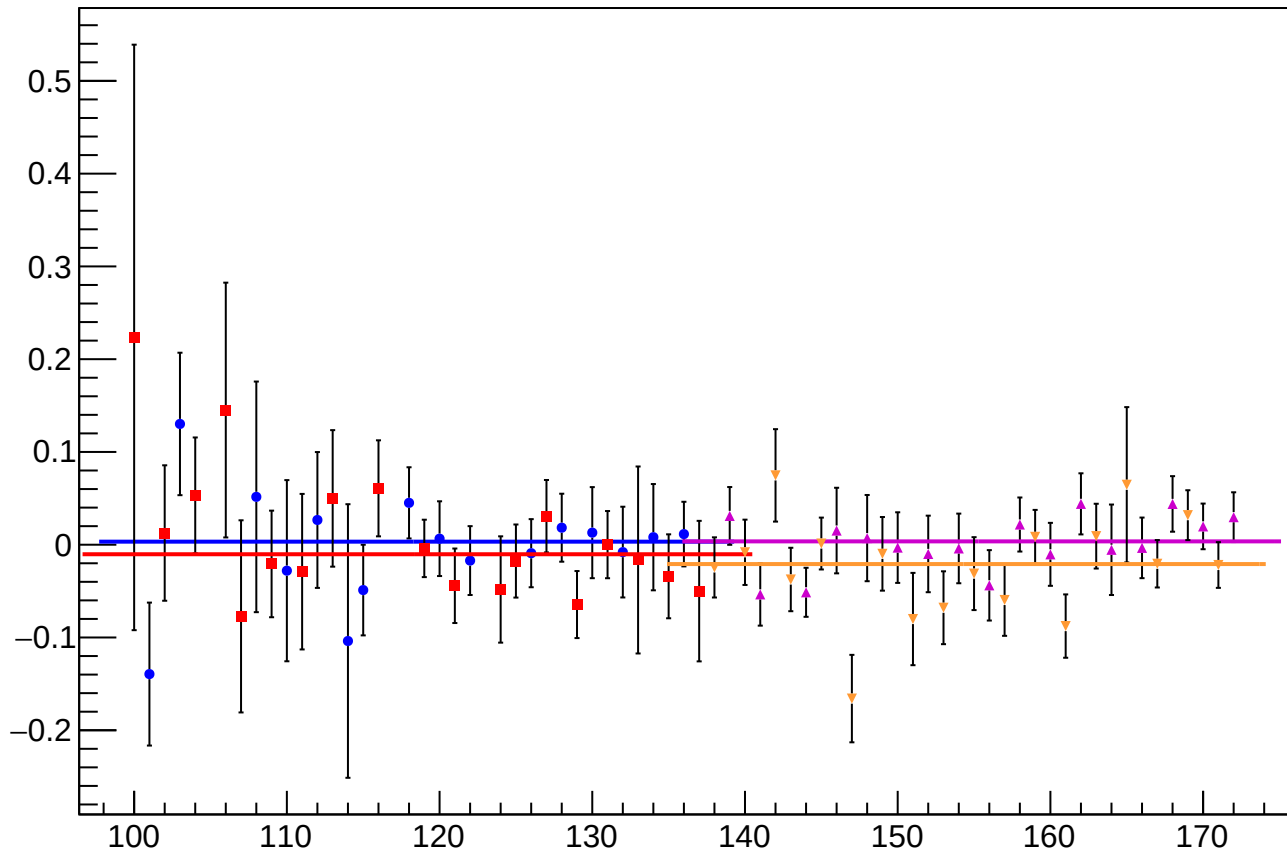
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 938907.0/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4463593.4/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9416479.1/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4946672.6/35

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.012 χ^2/NDF : 10.1/15

Left Out: -0.021 $\pm$ 0.008 χ^2/NDF : 28.6/17

Right Out: -0.010 $\pm$ 0.012 χ^2/NDF : 11.2/18

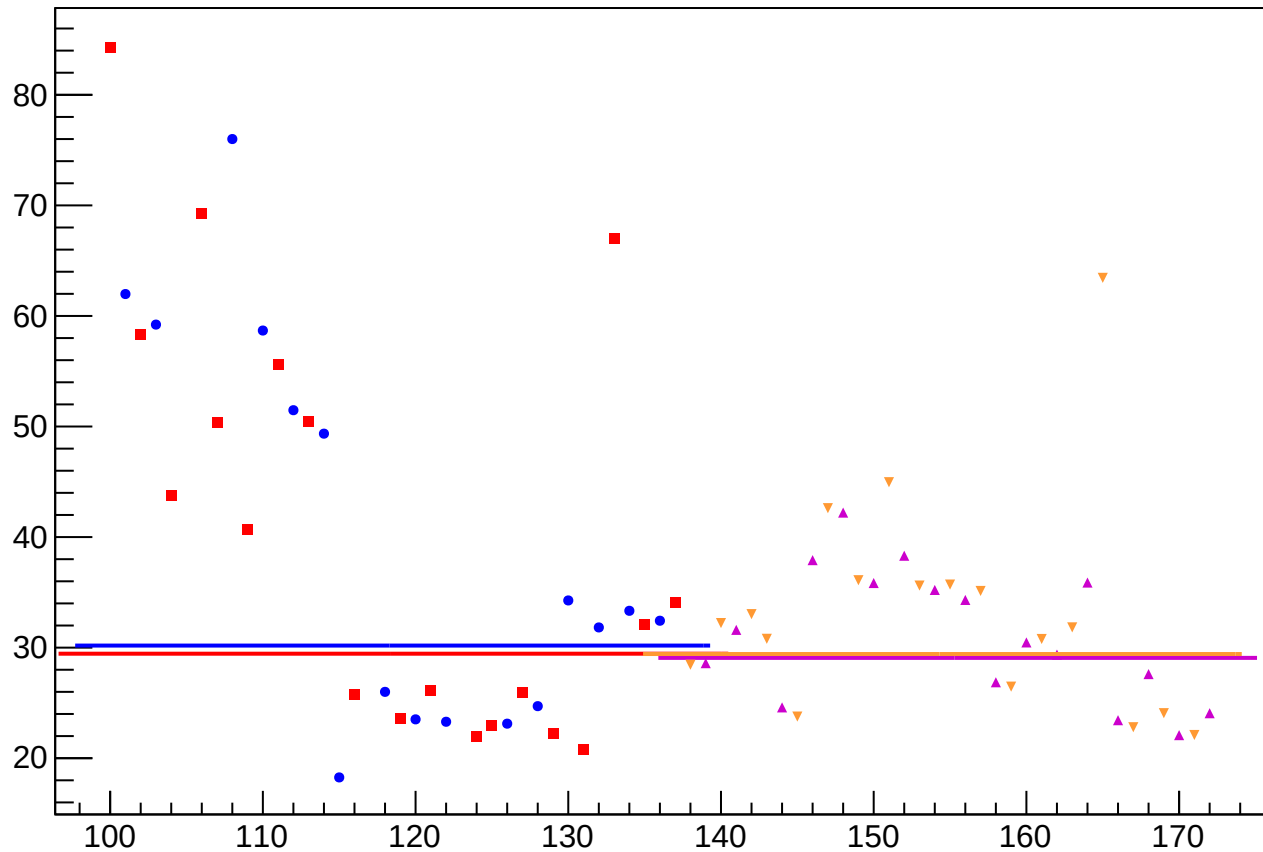
Left In: 0.004 $\pm$ 0.008 χ^2/NDF : 15.1/16

+ sign -0.014 $\pm$ 0.007 χ^2/NDF : 41.5/33

All: -0.007 $\pm$ 0.005 χ^2/NDF : 70.6/69

- sign -0.001 $\pm$ 0.007 χ^2/NDF : 27.3/35

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687373.5/15

Left Out: 29.423 $\pm$ 0.006 χ^2 /NDF: 1416820.7/17

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848636.5/18

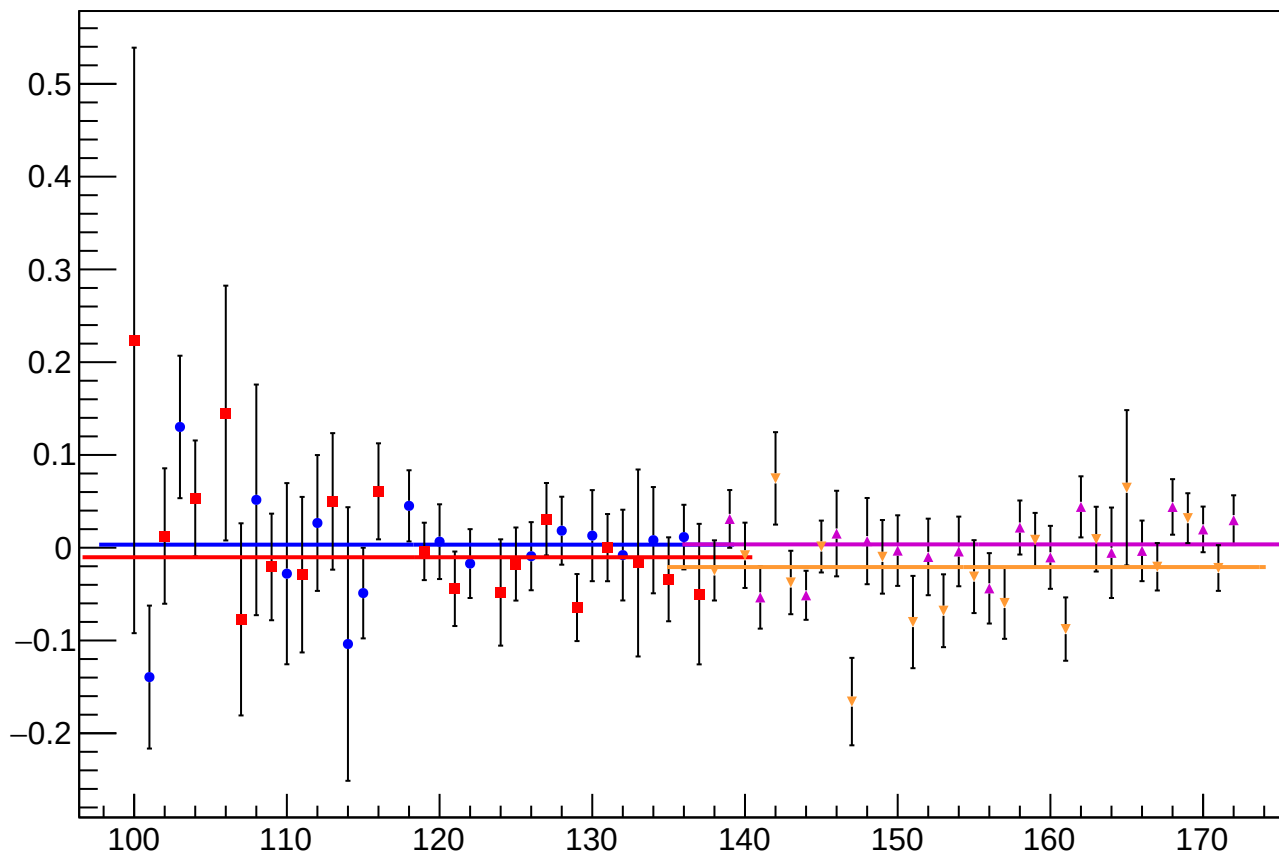
Left In: 29.073 $\pm$ 0.006 χ^2 /NDF: 907313.2/16

+ sign 29.653 $\pm$ 0.005 χ^2 /NDF: 3109597.8/33

All: 29.420 $\pm$ 0.003 χ^2 /NDF: 5871662.5/69

- sign 29.193 $\pm$ 0.005 χ^2 /NDF: 2757348.2/35

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.012 $\chi^2/\text{NDF}: 10.1/15$

Left Out: -0.021 ± 0.008 $\chi^2/\text{NDF}: 28.6/17$

Right Out: -0.010 ± 0.012 $\chi^2/\text{NDF}: 11.2/18$

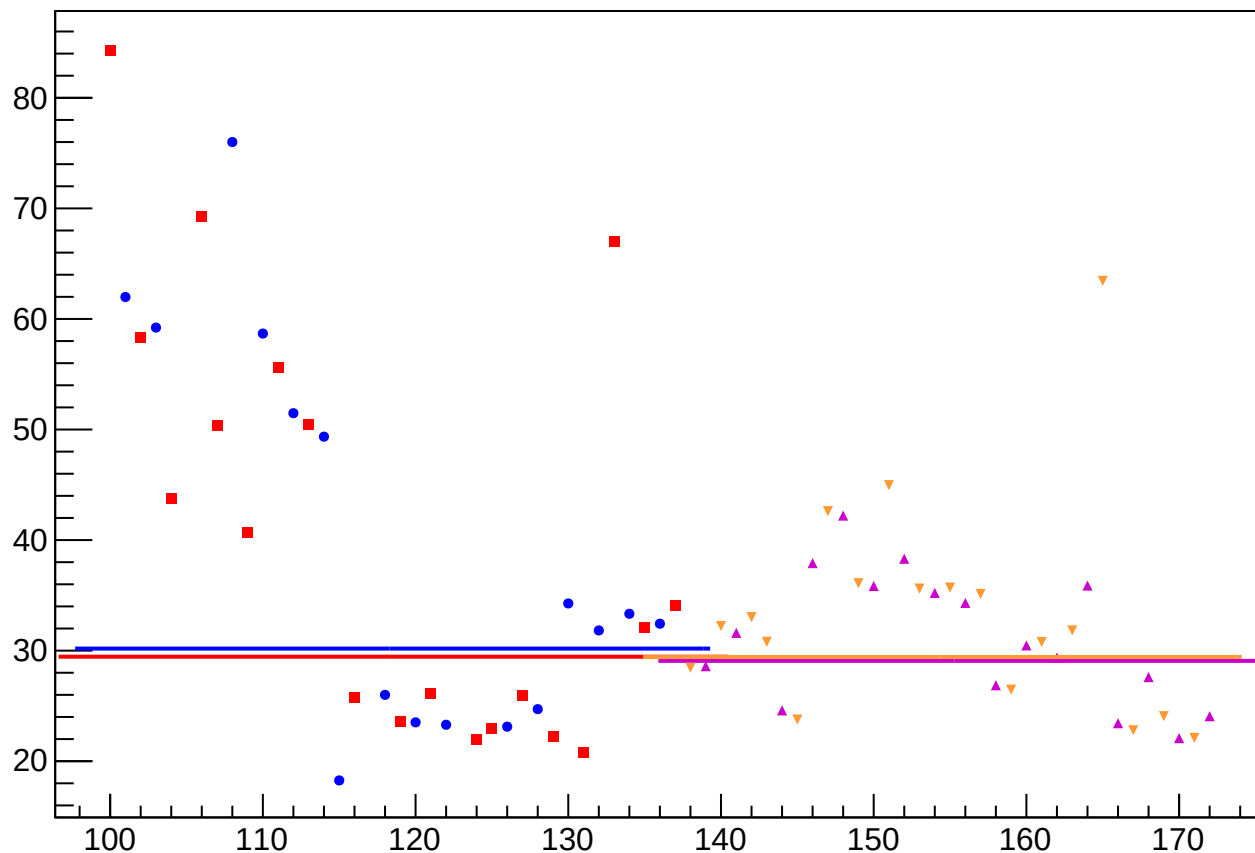
Left In: 0.004 ± 0.008 $\chi^2/\text{NDF}: 15.1/16$

+ sign -0.014 ± 0.007 $\chi^2/\text{NDF}: 41.5/33$

All: -0.007 ± 0.005 $\chi^2/\text{NDF}: 70.6/69$

- sign -0.001 ± 0.007 $\chi^2/\text{NDF}: 27.3/35$

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687373.5/15

Left Out: 29.423 $\pm$ 0.006 χ^2 /NDF: 1416820.7/17

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848636.5/18

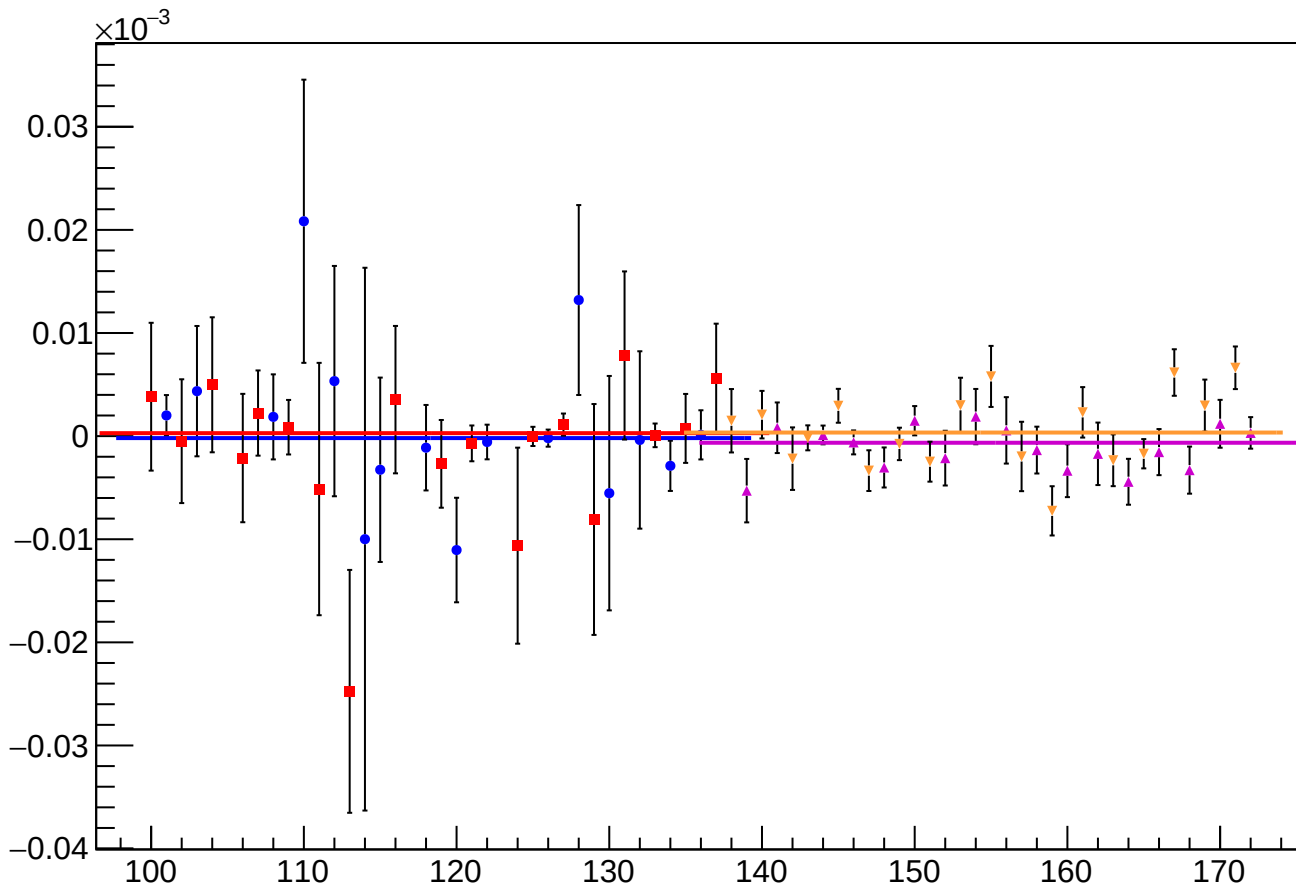
Left In: 29.073 $\pm$ 0.006 χ^2 /NDF: 907313.2/16

+ sign 29.653 $\pm$ 0.005 χ^2 /NDF: 3109597.8/33

All: 29.420 $\pm$ 0.003 χ^2 /NDF: 5871662.5/69

- sign 29.193 $\pm$ 0.005 χ^2 /NDF: 2757348.2/35

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:46.0/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.4/18

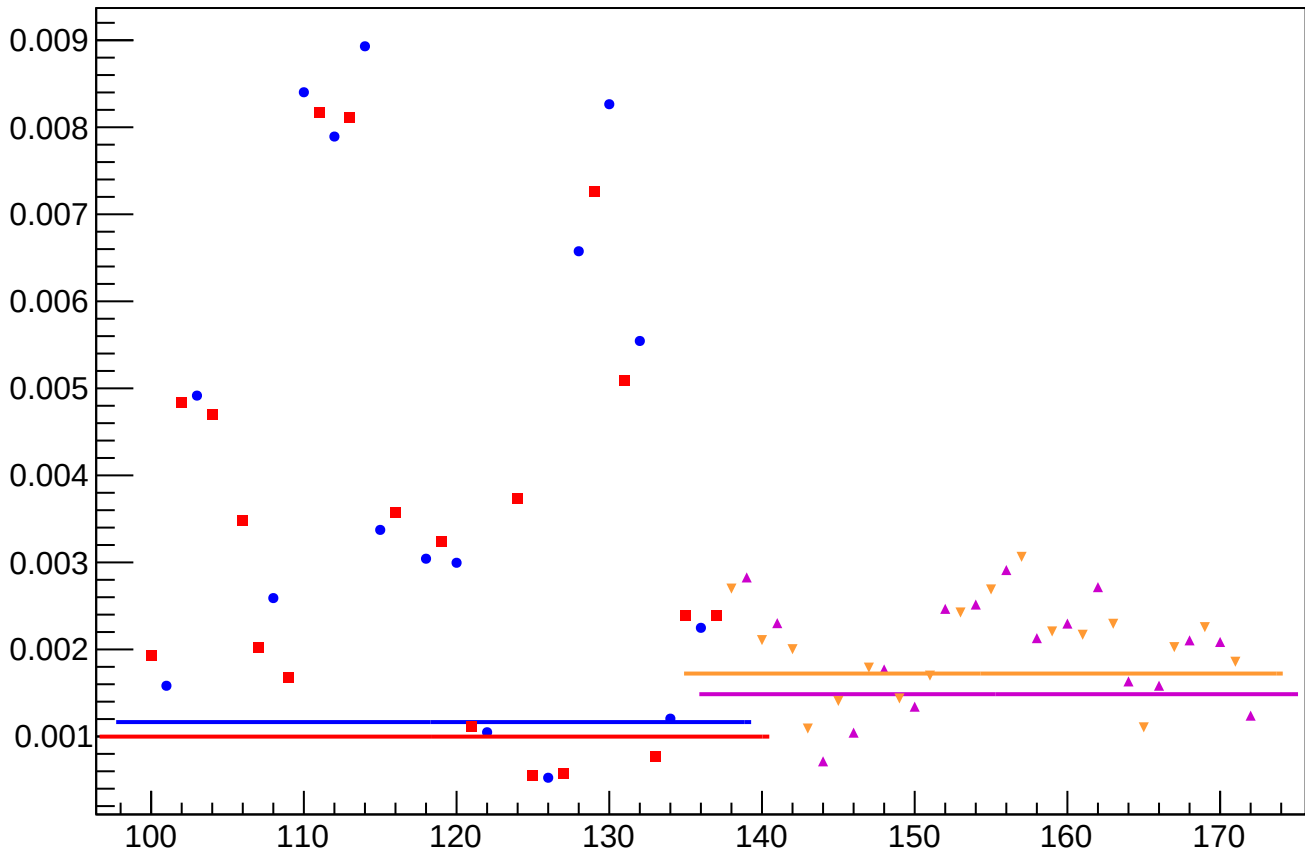
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:15.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.6/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 88.7/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/35

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF : 2394852.5/17

Right Out: 0.001+/-0.000 χ^2/NDF : 6937197.5/18

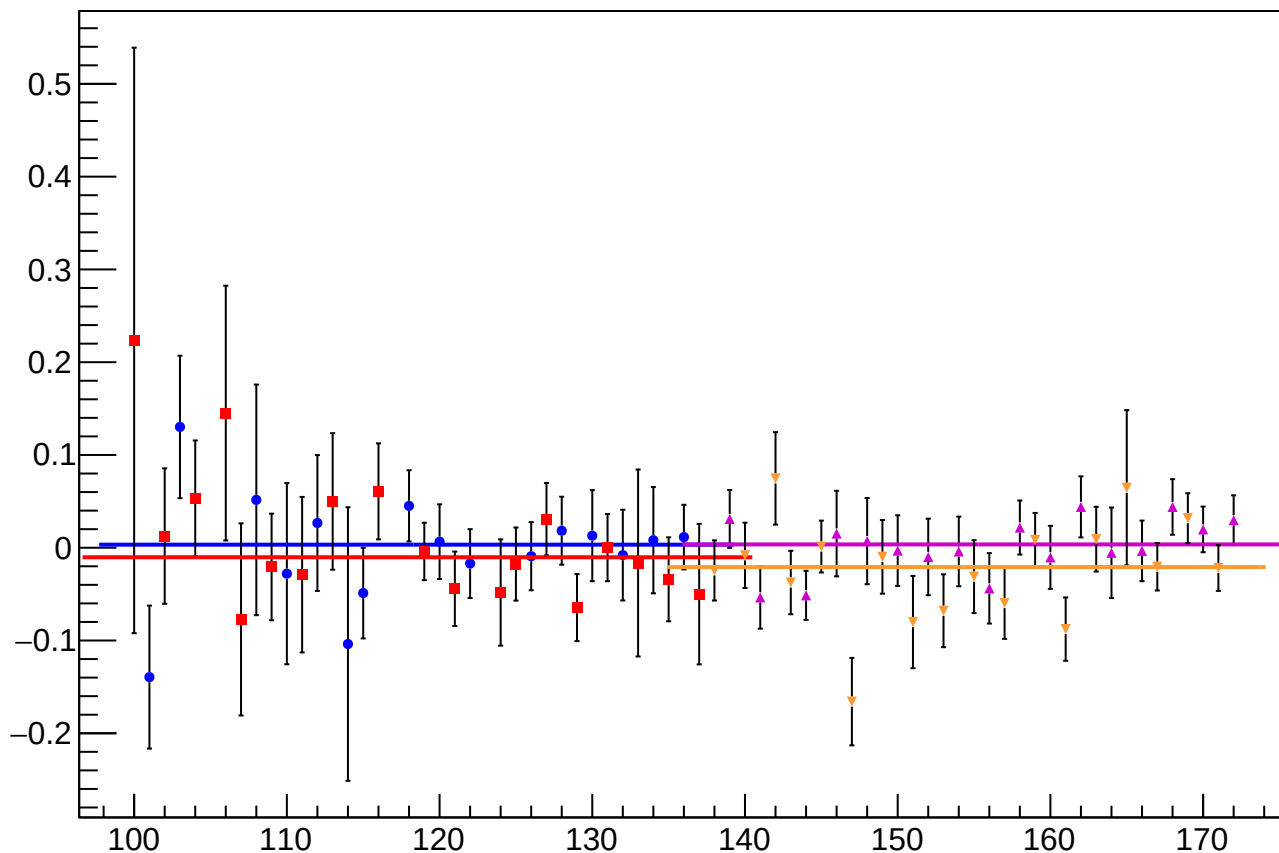
Left In: 0.001+/-0.000 χ^2/NDF : 4386491.4/16

+ sign 0.002+/-0.000 χ^2/NDF : 10296660.2/33

All: 0.001+/-0.000 χ^2/NDF : 23037745.3/69

- sign 0.001+/-0.000 χ^2/NDF : 12330375.2/35

asym_sam_15_26_dd_eigen_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

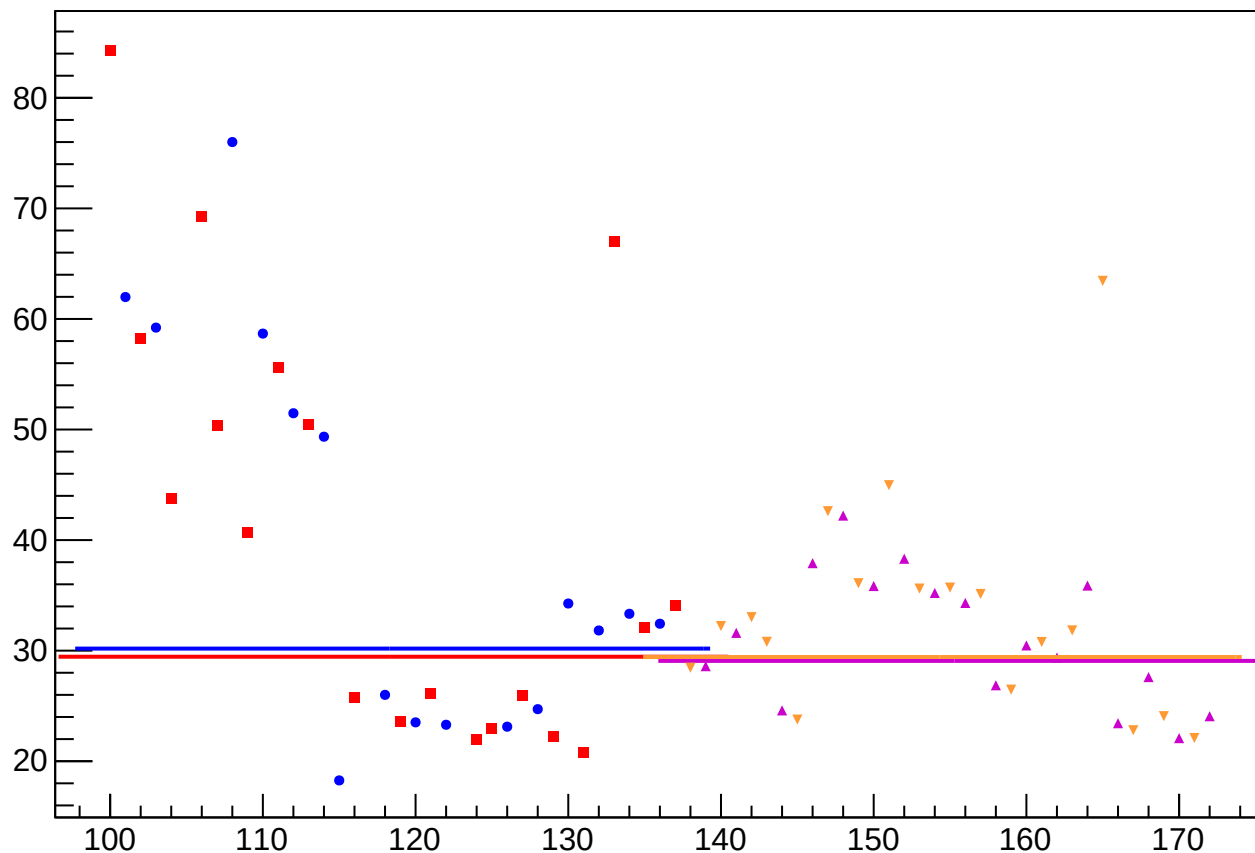
Left In: 0.004 ± 0.008 χ^2/NDF : 15.1/16

+ sign -0.014 ± 0.007 χ^2/NDF : 41.5/33

All: -0.007 ± 0.005 χ^2/NDF : 70.6/69

- sign -0.001 ± 0.007 χ^2/NDF : 27.3/35

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2 /NDF: 1687188.2/15

Left Out: 29.423 $\pm$ 0.006 χ^2 /NDF: 1416806.5/17

Right Out: 29.451 $\pm$ 0.008 χ^2 /NDF: 1848632.6/18

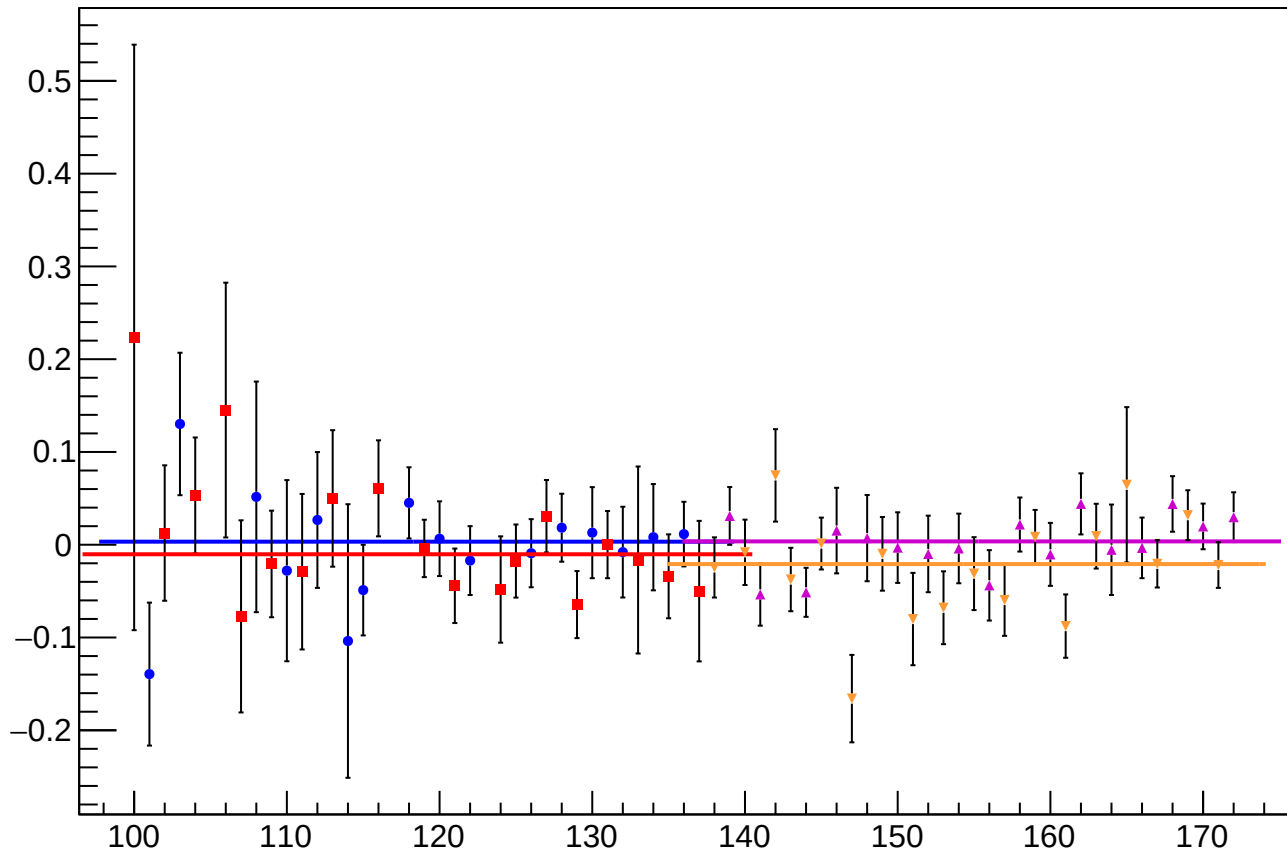
Left In: 29.074 $\pm$ 0.006 χ^2 /NDF: 907296.1/16

+ sign 29.654 $\pm$ 0.005 χ^2 /NDF: 3109396.5/33

All: 29.420 $\pm$ 0.003 χ^2 /NDF: 5871438.2/69

- sign 29.193 $\pm$ 0.005 χ^2 /NDF: 2757321.4/35

asym_sam_15_26_dd_eigen_dit_vs_eigen_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

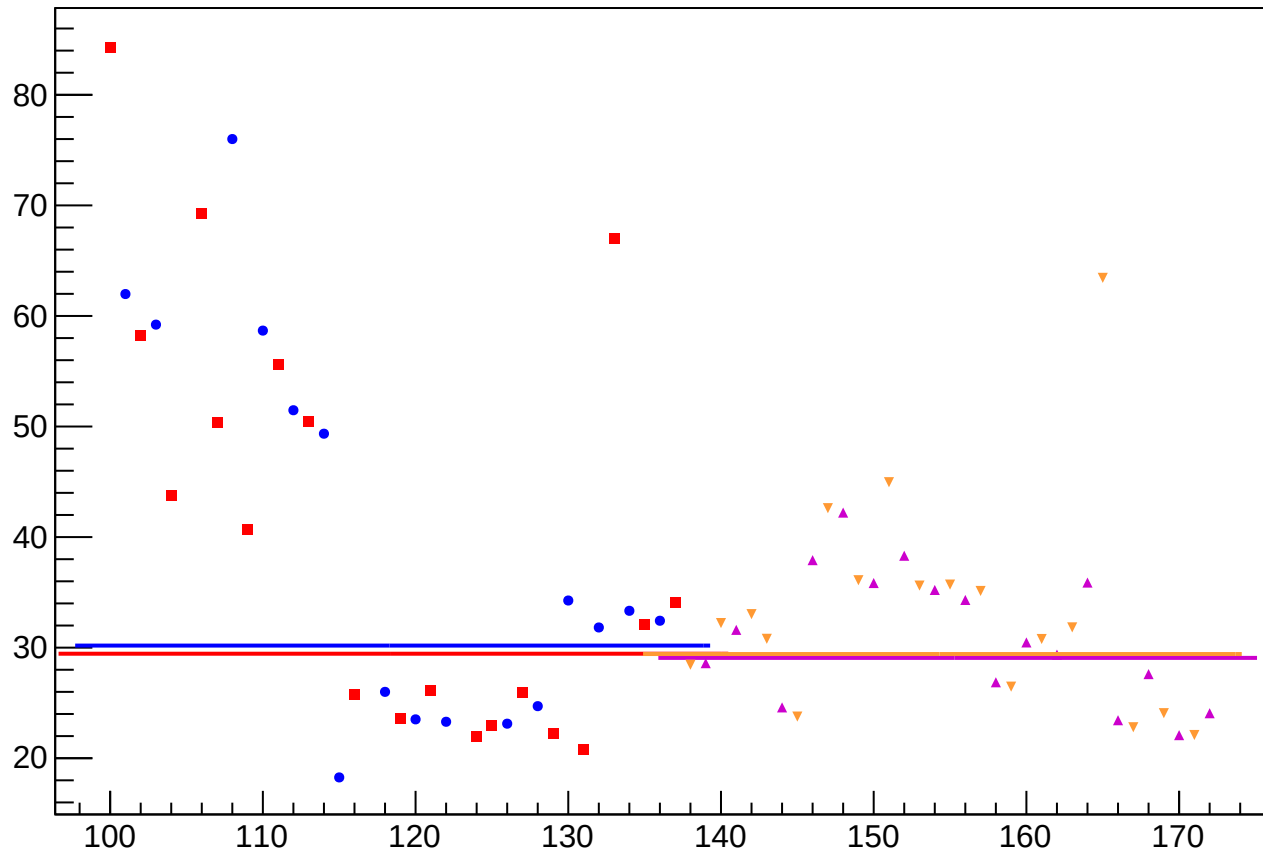
Left In: 0.004 ± 0.008 χ^2/NDF : 15.1/16

+ sign -0.014 ± 0.007 χ^2/NDF : 41.5/33

All: -0.007 ± 0.005 χ^2/NDF : 70.6/69

- sign -0.001 ± 0.007 χ^2/NDF : 27.3/35

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.187 $\pm$ 0.009 χ^2/NDF : 1687188.2/15

Left Out: 29.423 $\pm$ 0.006 χ^2/NDF : 1416806.5/17

Right Out: 29.451 $\pm$ 0.008 χ^2/NDF : 1848632.6/18

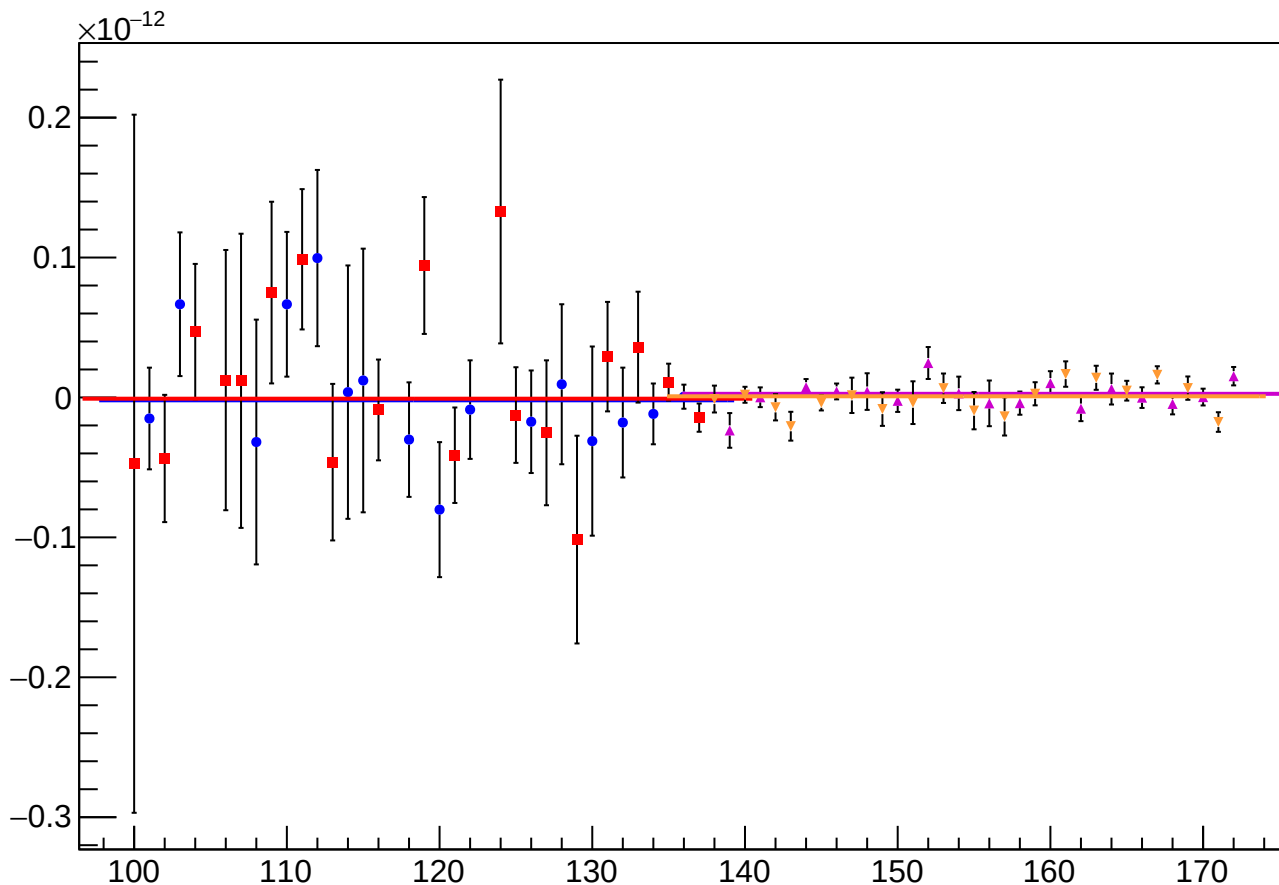
Left In: 29.074 $\pm$ 0.006 χ^2/NDF : 907296.1/16

+ sign 29.654 $\pm$ 0.005 χ^2/NDF : 3109396.5/33

All: 29.420 $\pm$ 0.003 χ^2/NDF : 5871438.2/69

- sign 29.193 $\pm$ 0.005 χ^2/NDF : 2757321.4/35

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 10.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:27.8/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/18

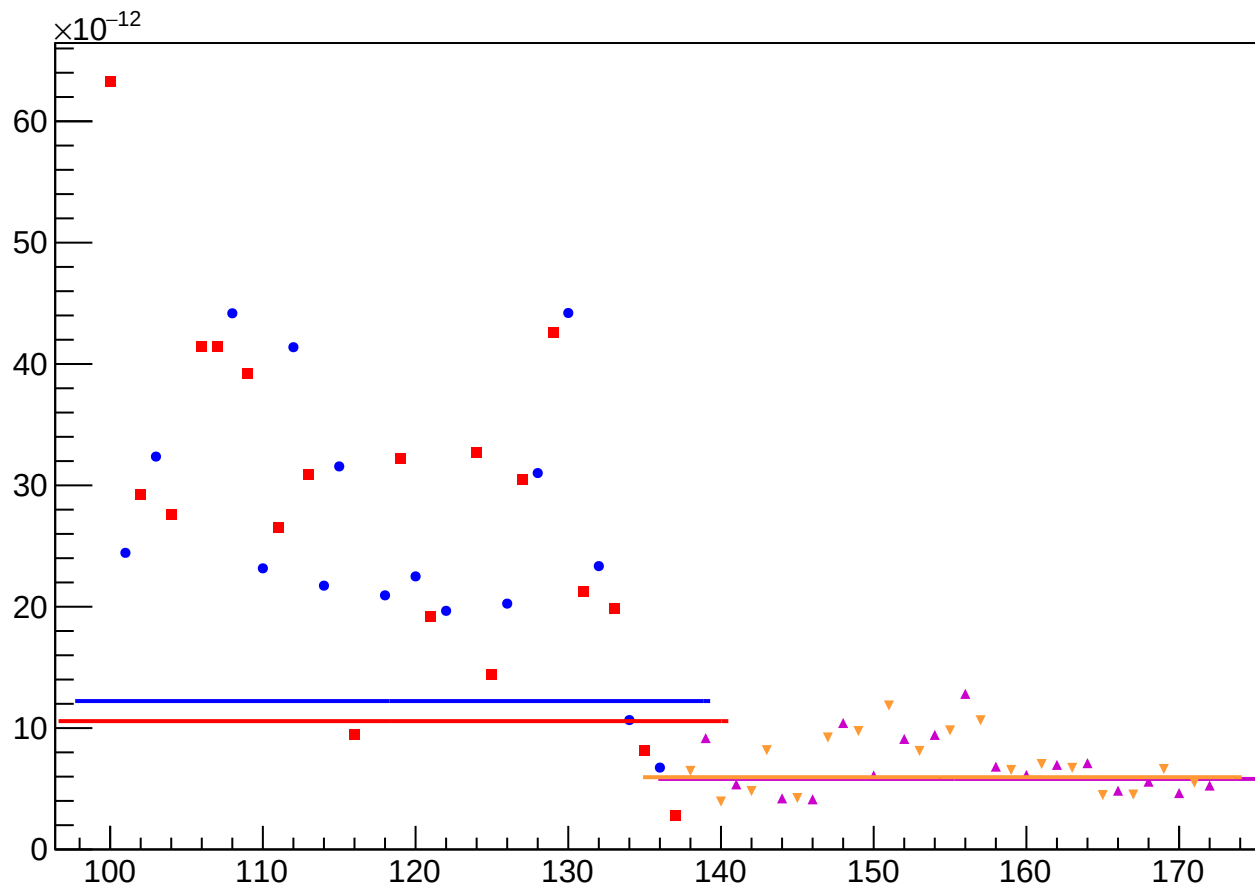
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.5/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.9/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/35

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3437895.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1961522.1/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4770079.9/18

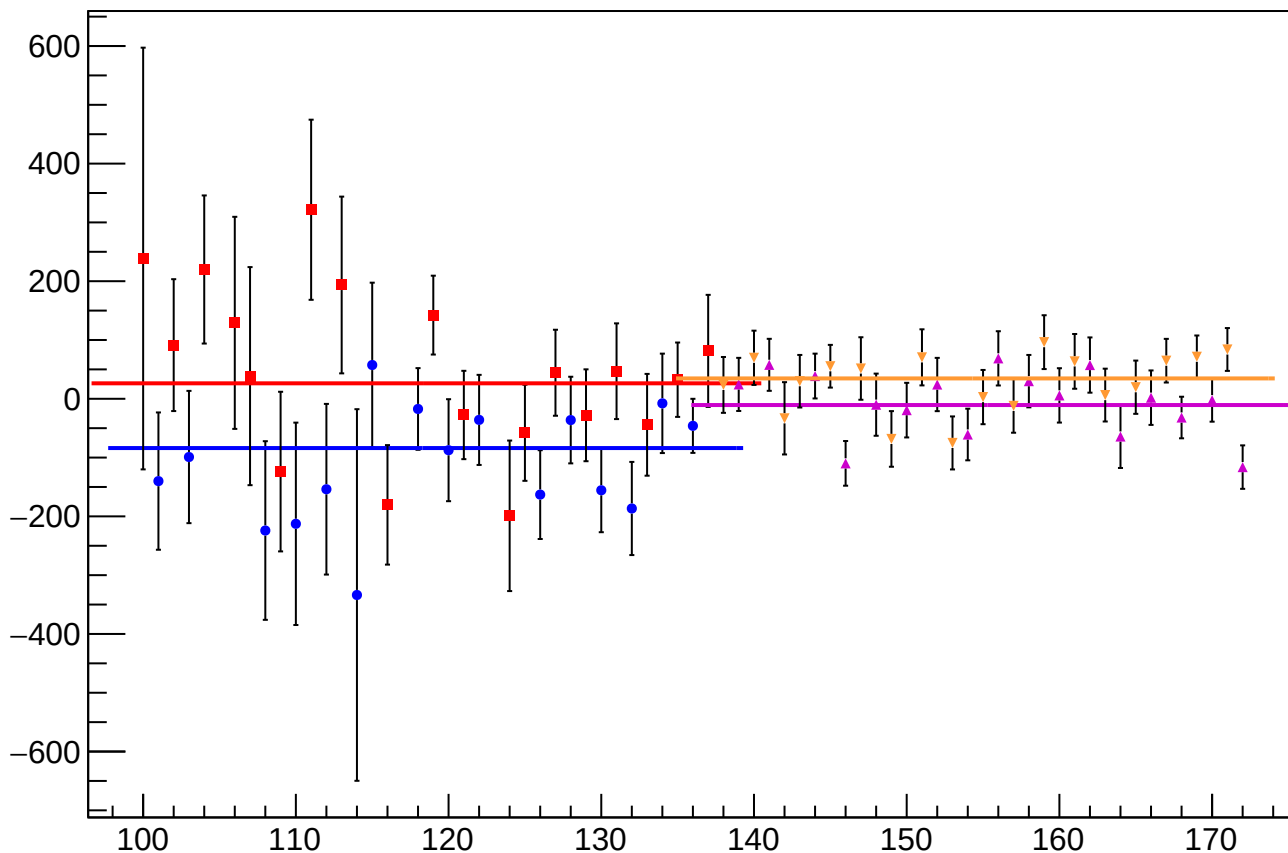
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1670501.9/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6960497.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14361219.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7382442.2/35

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

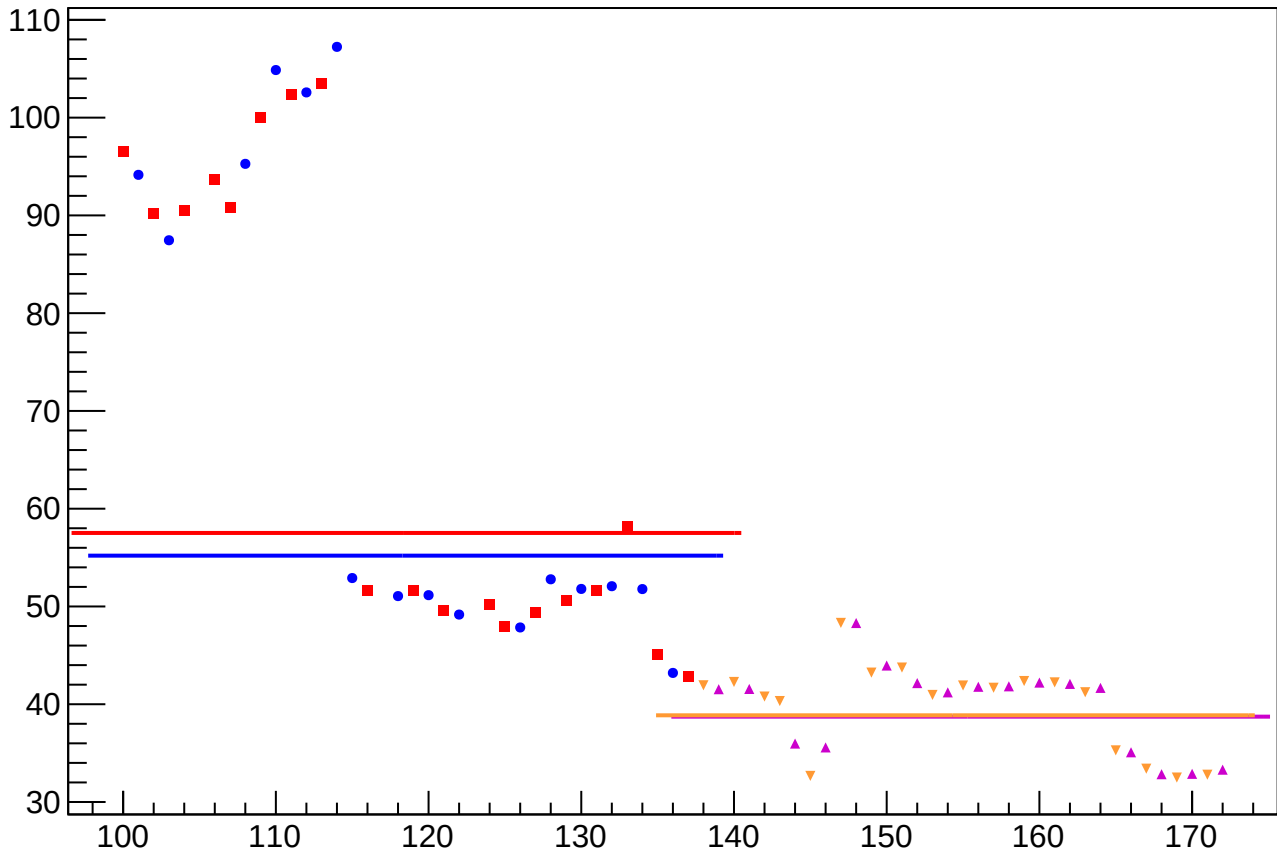
Left In: -10.637 ± 10.427 χ^2/NDF : 29.1/16

+ sign 12.135 ± 9.342 χ^2/NDF : 56.5/33

All: 4.193 ± 6.636 χ^2/NDF : 112.3/69

- sign -3.895 ± 9.427 χ^2/NDF : 54.3/35

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.1/15

Left Out: 38.867 $\pm$ 0.007 χ^2 /NDF: 404569.7/17

Right Out: 57.519 $\pm$ 0.016 χ^2 /NDF: 1281793.1/18

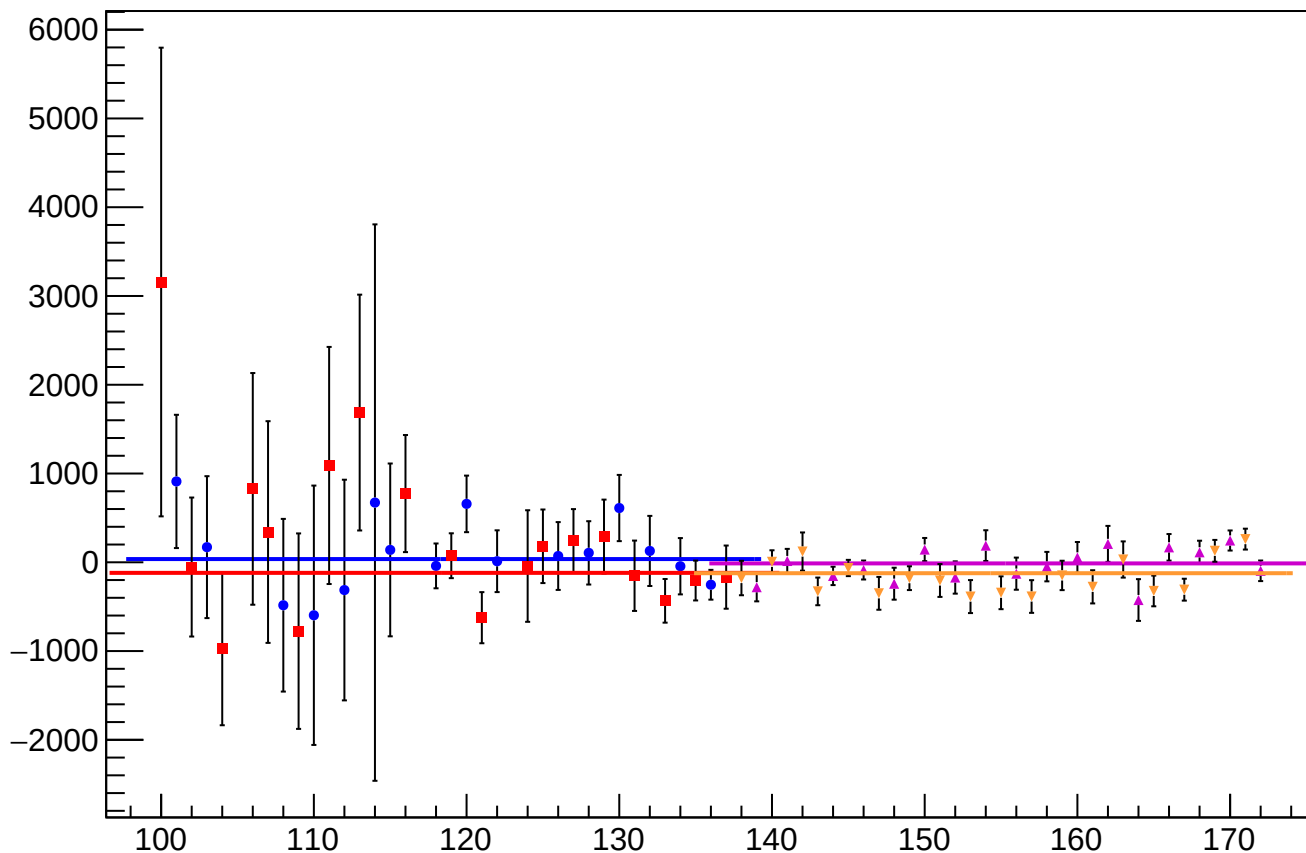
Left In: 38.729 $\pm$ 0.007 χ^2 /NDF: 357019.3/16

+ sign 41.969 $\pm$ 0.007 χ^2 /NDF: 2497560.7/33

All: 42.063 $\pm$ 0.005 χ^2 /NDF: 5322214.8/69

- sign 42.159 $\pm$ 0.007 χ^2 /NDF: 2824246.4/35

asym_sam_37_26_dd_reg_correction_mean vs Slug



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

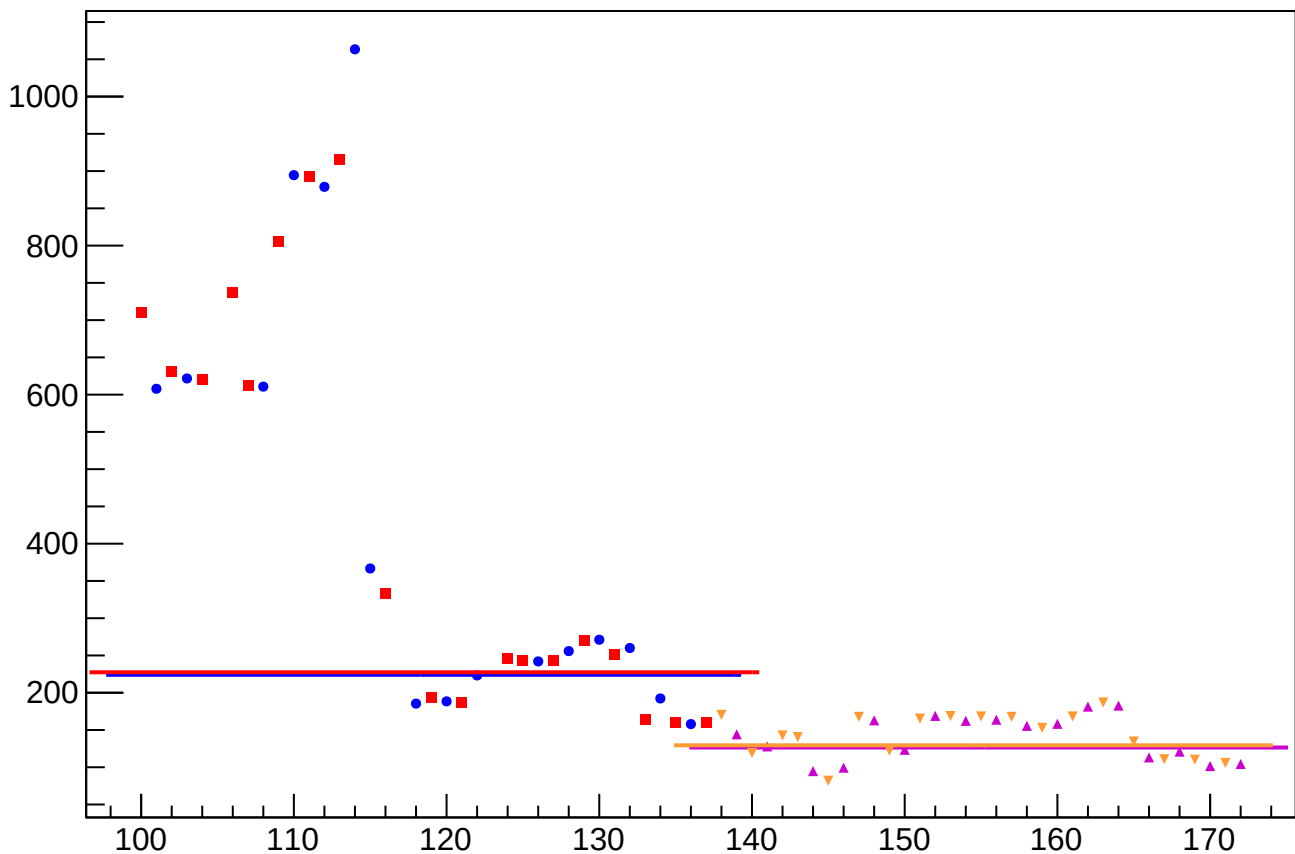
Left In: -12.556 ± 34.798 χ^2/NDF : 23.3/16

+ sign -102.981 ± 33.137 χ^2/NDF : 45.5/33

All: -63.470 ± 23.279 χ^2/NDF : 88.7/69

- sign -24.975 ± 32.709 χ^2/NDF : 40.4/35

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 224.042 $\pm$ 0.066 χ^2 /NDF: 2968054.7/15

Left Out: 129.442 $\pm$ 0.025 χ^2 /NDF:1550259.9/17

Right Out: 227.451 $\pm$ 0.068 χ^2 /NDF: 3640634.3/18

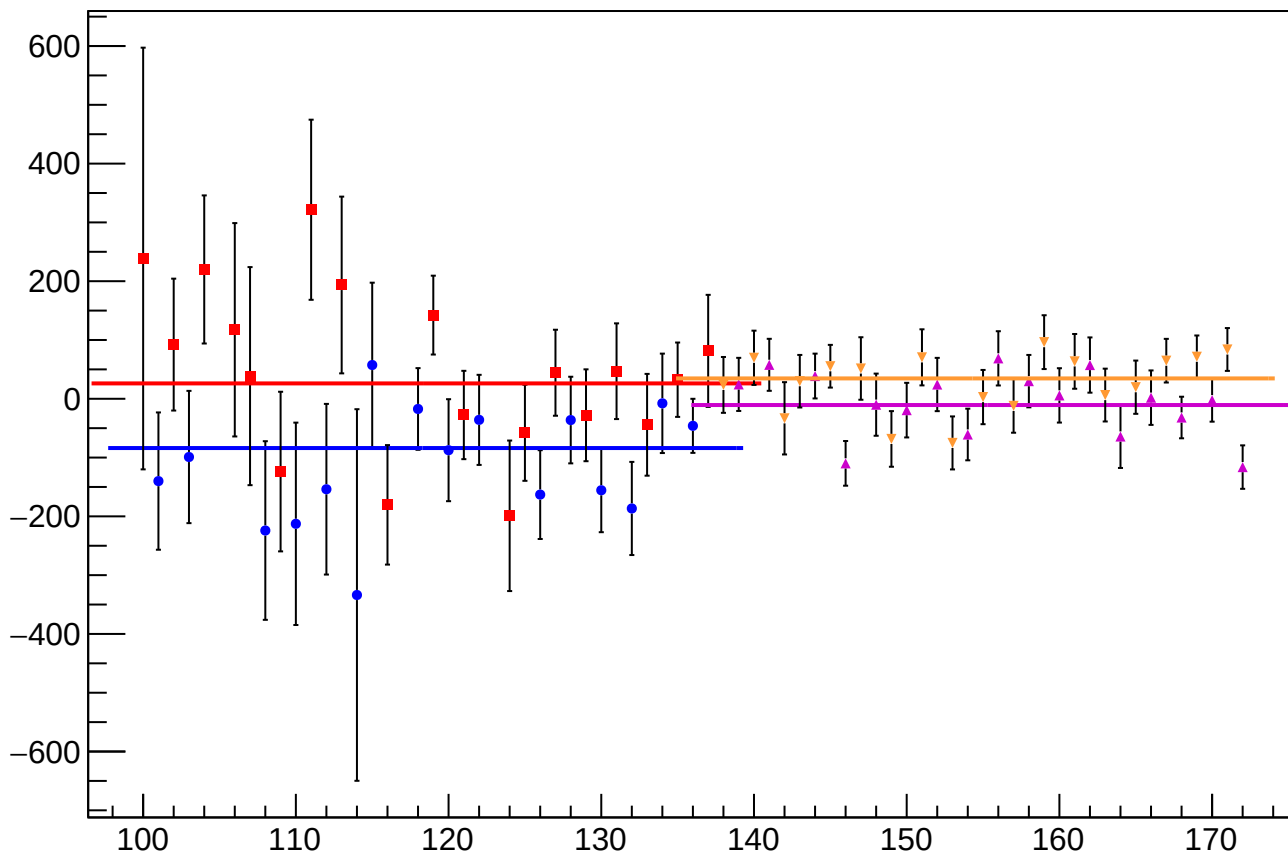
Left In: 126.468 $\pm$ 0.025 χ^2 /NDF:1280966.8/16

+ sign 141.309 $\pm$ 0.023 χ^2 /NDF: 6306403.3/33

All: 139.750 $\pm$ 0.016 χ^2 /NDF: 13198770.1/69

- sign 138.231 $\pm$ 0.023 χ^2 /NDF: 6883629.7/35

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

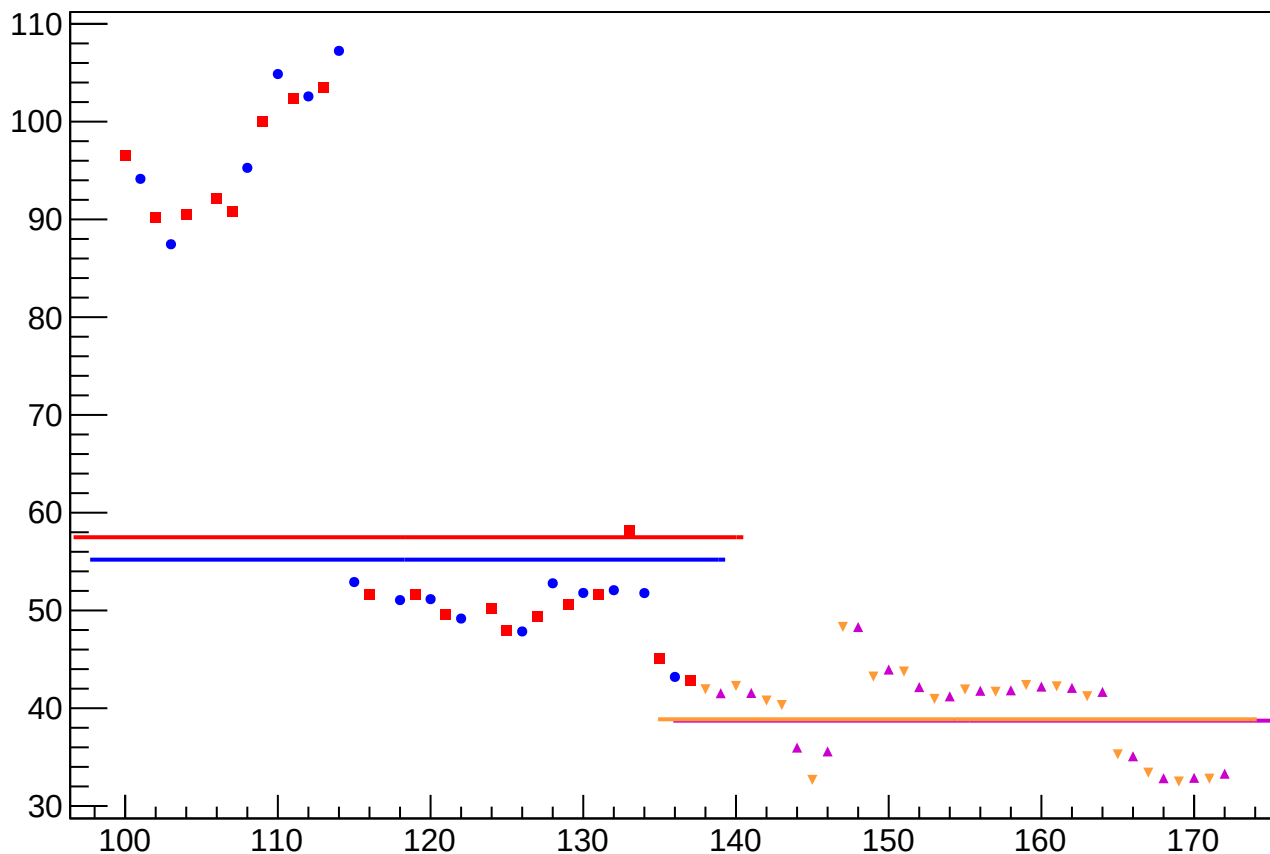
Left In: -10.636 ± 10.427 χ^2/NDF : 29.1/16

+ sign 12.136 ± 9.342 χ^2/NDF : 56.5/33

All: 4.179 ± 6.636 χ^2/NDF : 112.3/69

- sign -3.925 ± 9.427 χ^2/NDF : 54.3/35

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2 /NDF: 1152581.3/15

Left Out: 38.867 $\pm$ 0.007 χ^2 /NDF: 404569.7/17

Right Out: 57.490 $\pm$ 0.016 χ^2 /NDF: 1274387.3/18

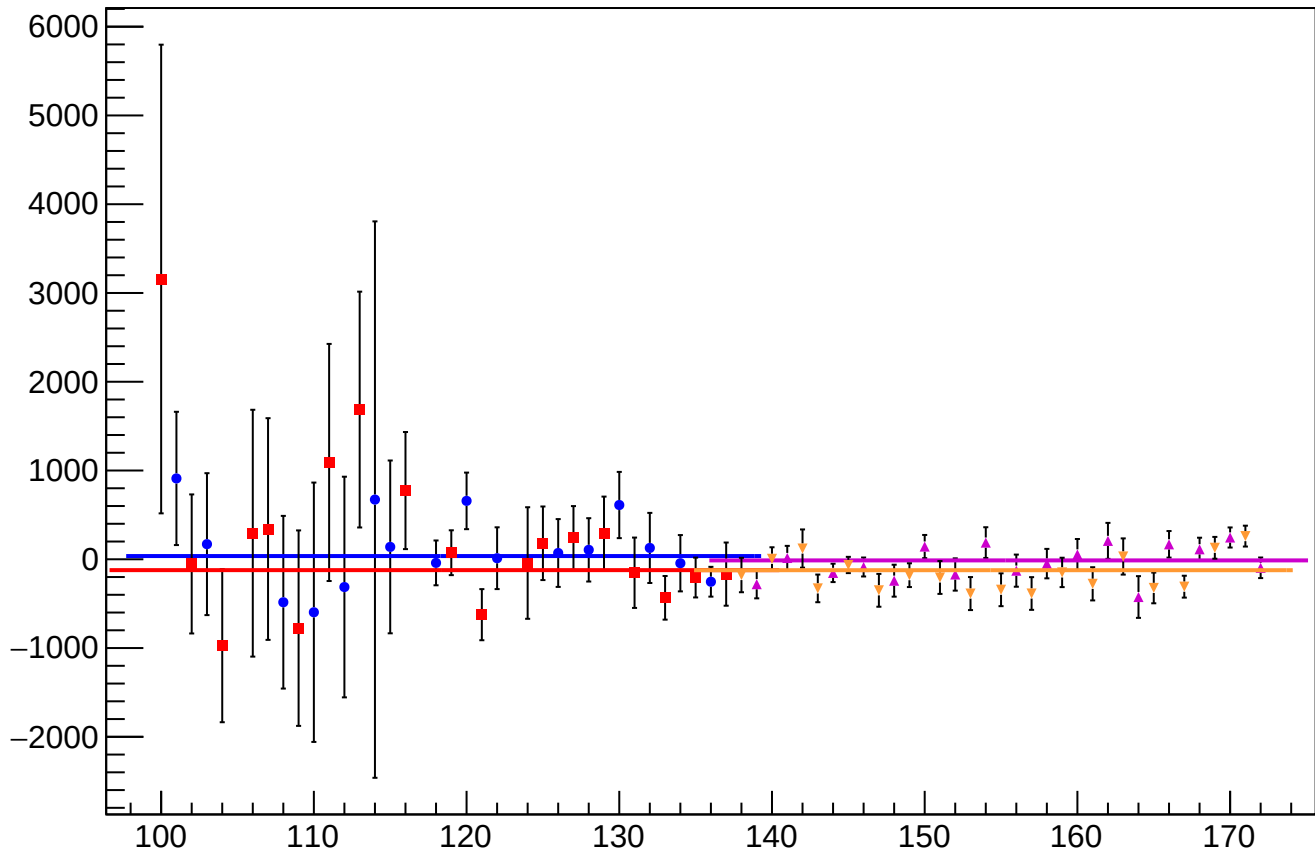
Left In: 38.729 $\pm$ 0.007 χ^2 /NDF: 357019.3/16

+ sign 41.969 $\pm$ 0.007 χ^2 /NDF: 2497560.9/33

All: 42.060 $\pm$ 0.005 χ^2 /NDF: 5310958.6/69

- sign 42.153 $\pm$ 0.007 χ^2 /NDF: 2813014.6/35

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 36.327 ± 93.563 $\chi^2/\text{NDF}: 11.4/15$

Left Out: -122.963 ± 35.434 $\chi^2/\text{NDF}: 31.6/17$

Right Out: -122.289 ± 95.865 $\chi^2/\text{NDF}: 15.6/18$

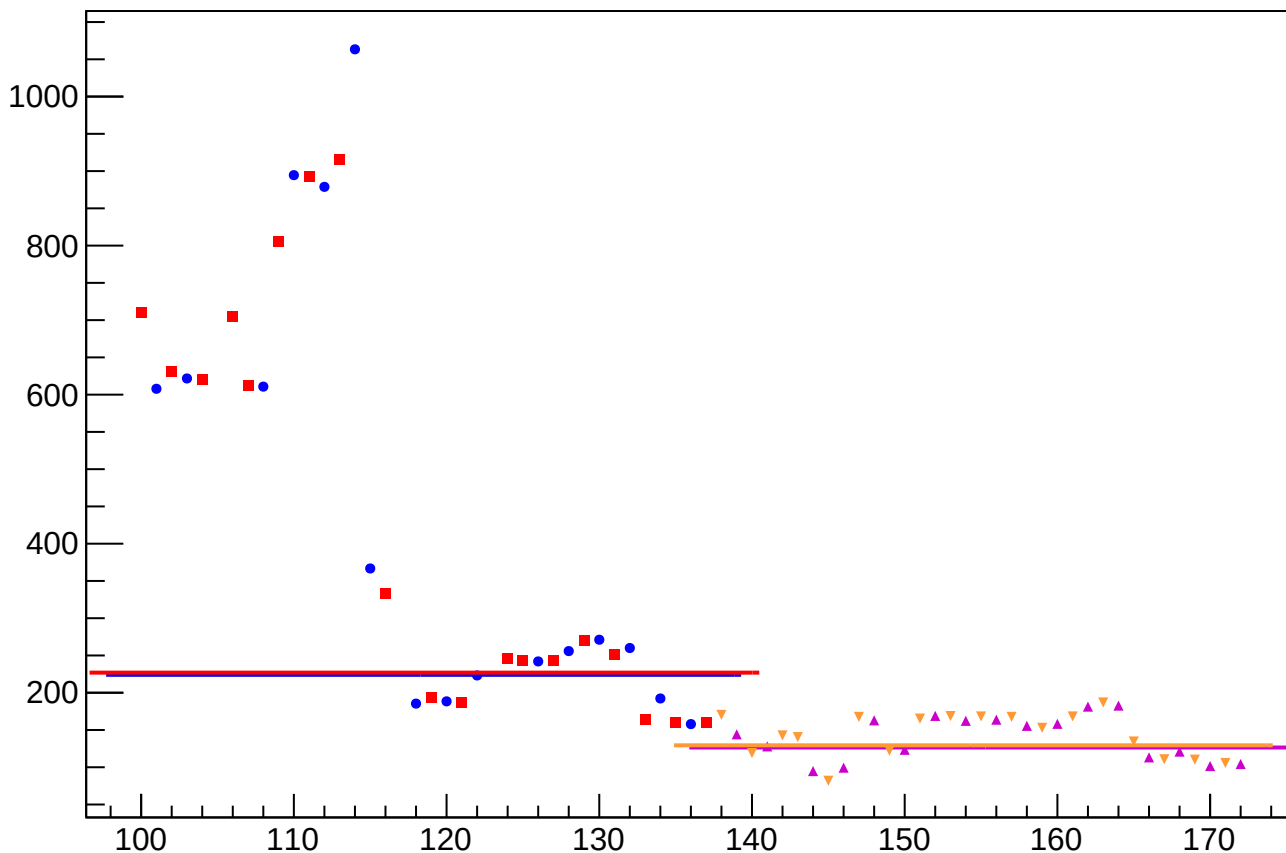
Left In: -12.557 ± 34.798 $\chi^2/\text{NDF}: 23.3/16$

+ sign -102.982 ± 33.137 $\chi^2/\text{NDF}: 45.5/33$

All: -63.654 ± 23.279 $\chi^2/\text{NDF}: 88.3/69$

- sign -25.333 ± 32.710 $\chi^2/\text{NDF}: 40.1/35$

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 224.042 $\pm$ 0.066 χ^2/NDF : 2968059.8/15

Left Out: 129.442 $\pm$ 0.025 χ^2/NDF : 1550263.4/17

Right Out: 226.971 $\pm$ 0.068 χ^2/NDF : 3571946.9/18

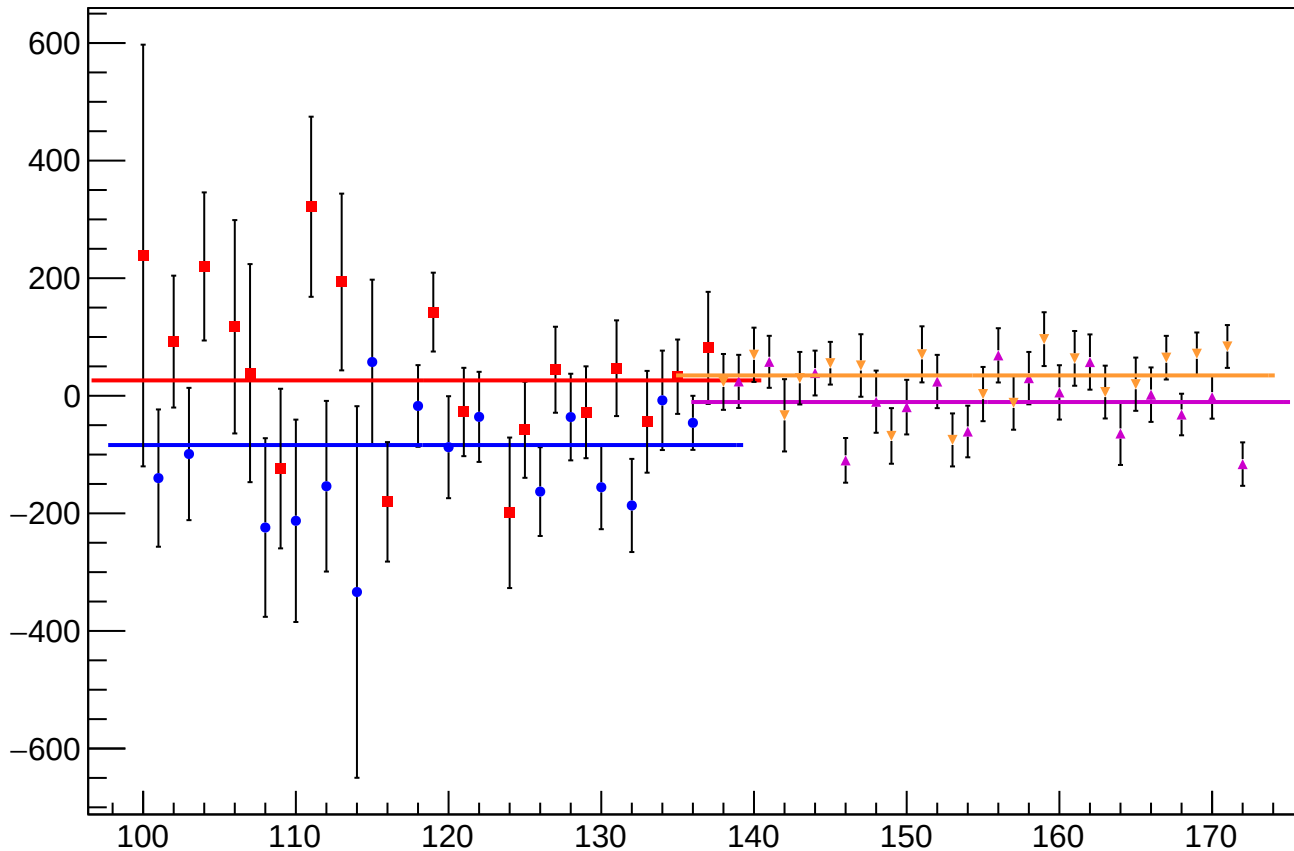
Left In: 126.468 $\pm$ 0.025 χ^2/NDF : 1280974.8/16

+ sign 141.309 $\pm$ 0.023 χ^2/NDF : 6306414.5/33

All: 139.718 $\pm$ 0.016 χ^2/NDF : 13110741.7/69

- sign 138.168 $\pm$ 0.023 χ^2/NDF : 6795230.5/35

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

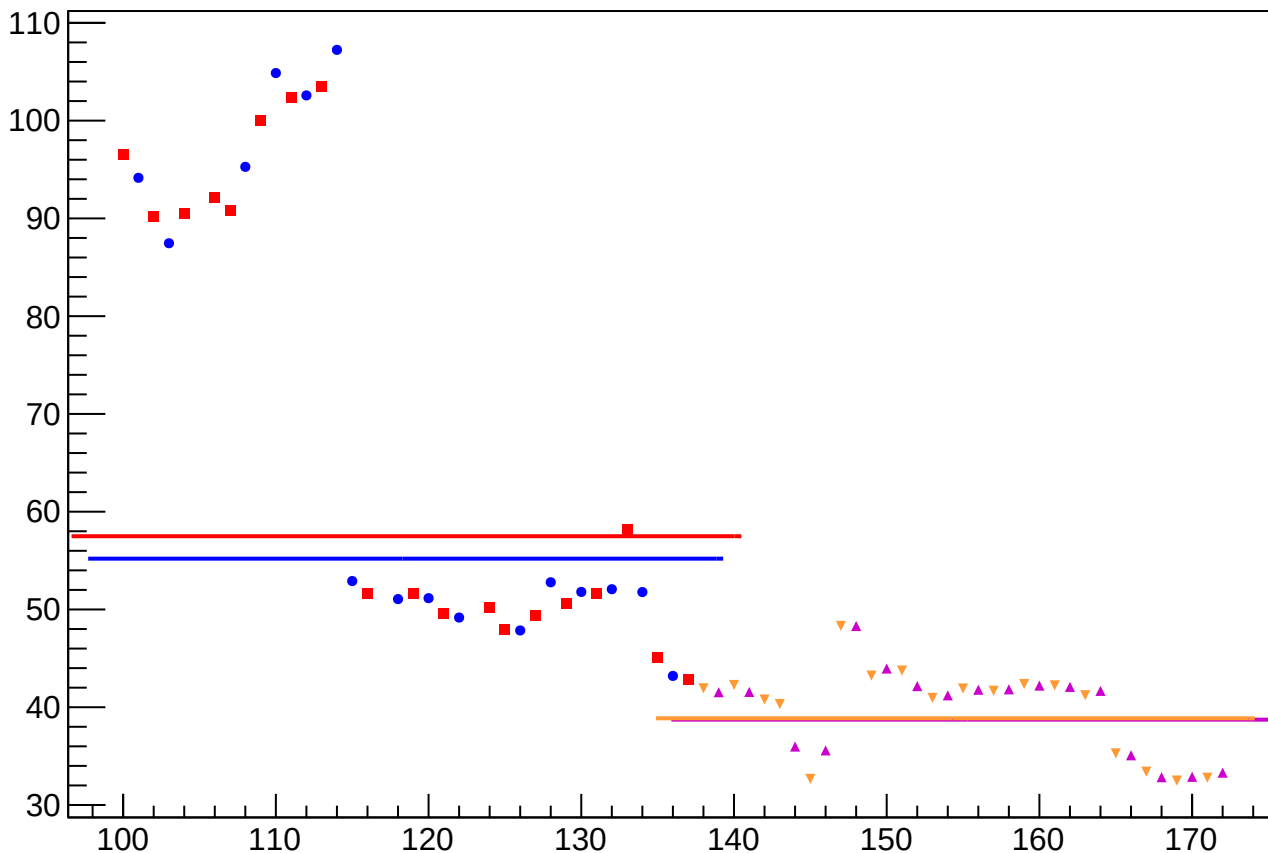
Left In: -10.636 ± 10.427 χ^2/NDF : 29.1/16

+ sign 12.136 ± 9.342 χ^2/NDF : 56.5/33

All: 4.179 ± 6.636 χ^2/NDF : 112.3/69

- sign -3.925 ± 9.427 χ^2/NDF : 54.3/35

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.198 $\pm$ 0.015 χ^2/NDF : 1152581.3/15

Left Out: 38.867 $\pm$ 0.007 χ^2/NDF : 404569.7/17

Right Out: 57.490 $\pm$ 0.016 χ^2/NDF : 1274387.3/18

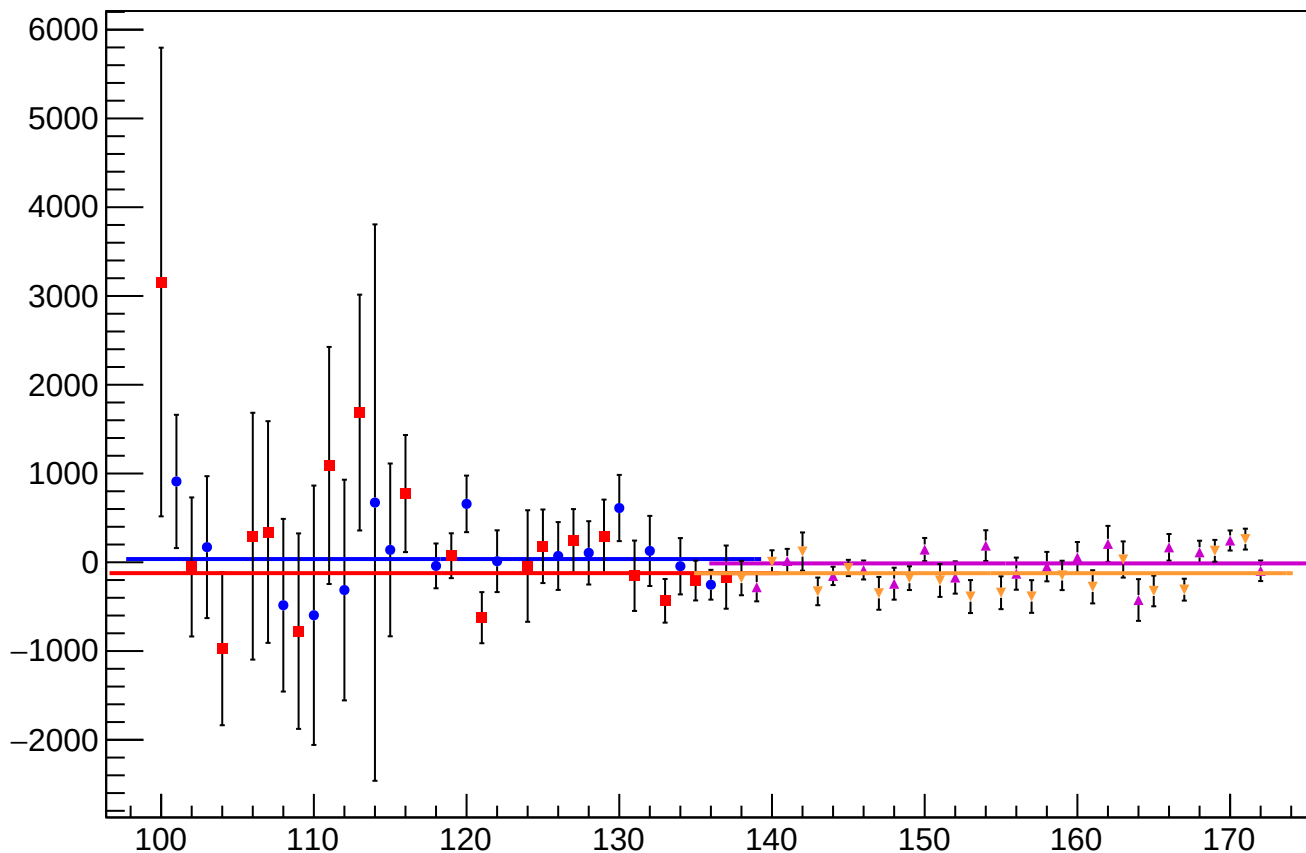
Left In: 38.729 $\pm$ 0.007 χ^2/NDF : 357019.3/16

+ sign 41.969 $\pm$ 0.007 χ^2/NDF : 2497560.9/33

All: 42.060 $\pm$ 0.005 χ^2/NDF : 5310958.6/69

- sign 42.153 $\pm$ 0.007 χ^2/NDF : 2813014.6/35

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



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

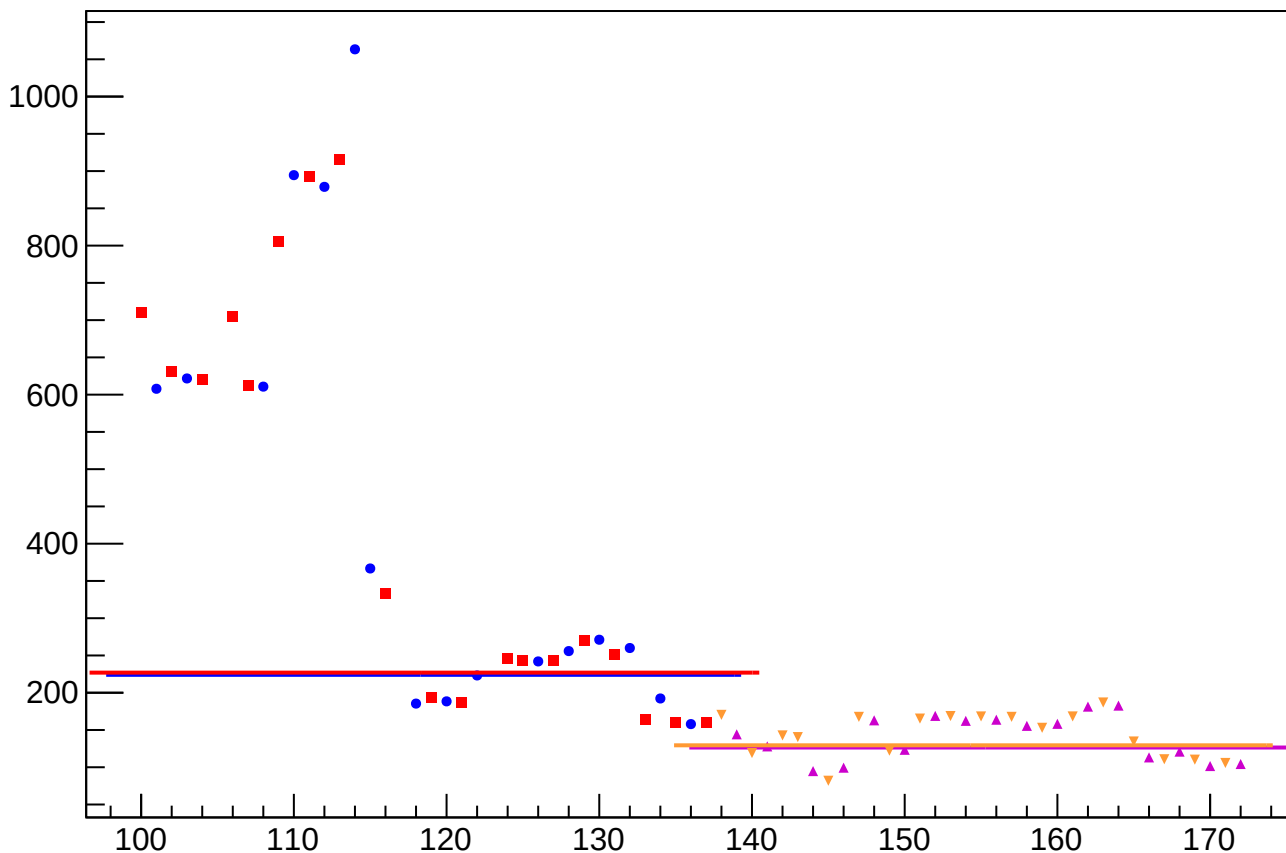
Left In: -12.557 ± 34.798 χ^2/NDF : 23.3/16

+ sign -102.982 ± 33.137 χ^2/NDF : 45.5/33

All: -63.654 ± 23.279 χ^2/NDF : 88.3/69

- sign -25.333 ± 32.710 χ^2/NDF : 40.1/35

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 224.042 $\pm$ 0.066 χ^2 /NDF: 2968059.8/15

Left Out: 129.442 $\pm$ 0.025 χ^2 /NDF:1550263.4/17

Right Out: 226.971 $\pm$ 0.068 χ^2 /NDF: 3571946.9/18

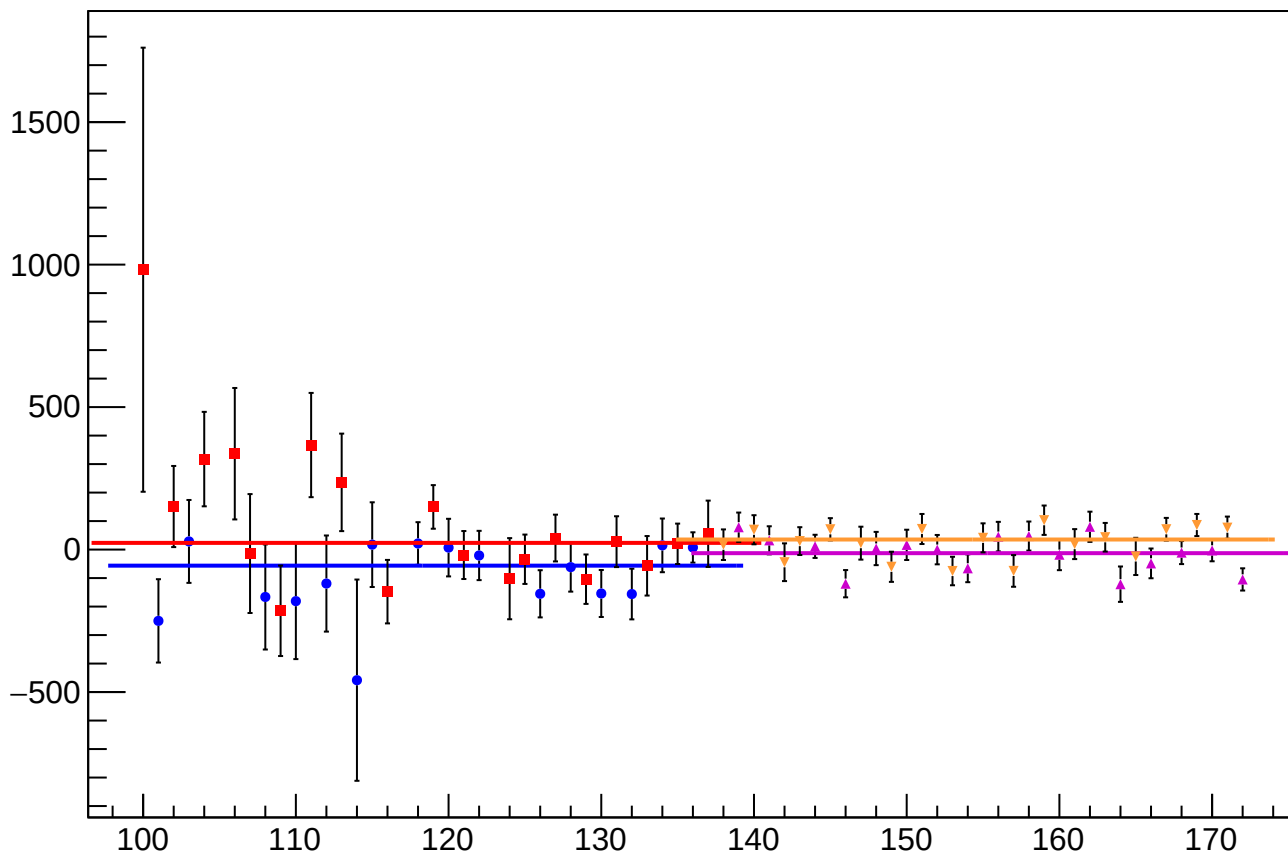
Left In: 126.468 $\pm$ 0.025 χ^2 /NDF:1280974.8/16

+ sign 141.309 $\pm$ 0.023 χ^2 /NDF: 6306414.5/33

All: 139.718 $\pm$ 0.016 χ^2 /NDF: 13110741.7/69

- sign 138.168 $\pm$ 0.023 χ^2 /NDF: 6795230.5/35

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

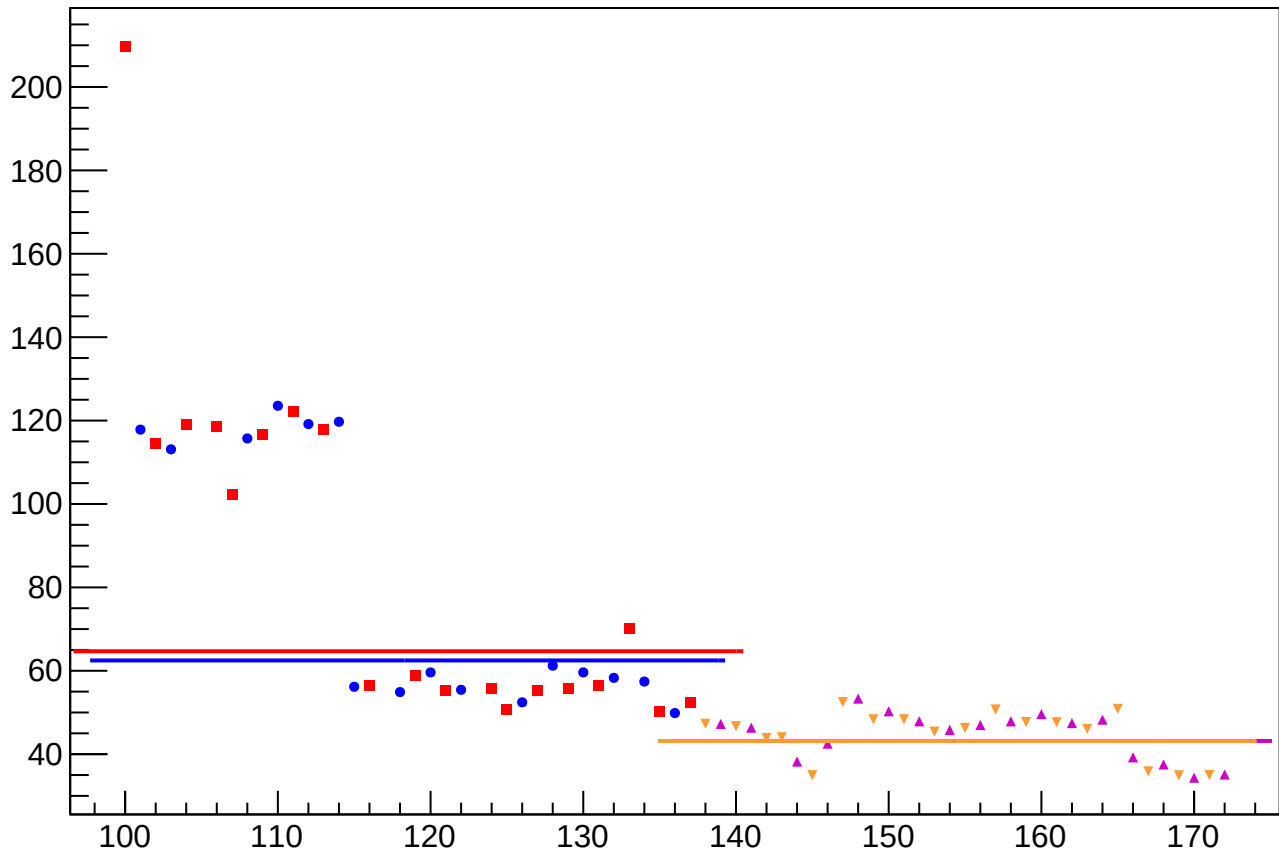
Left In: -12.596 ± 11.698 χ^2/NDF : 25.8/16

+ sign 18.594 ± 10.456 χ^2/NDF : 45.6/33

All: 6.385 ± 7.446 χ^2/NDF : 100.0/69

- sign -6.181 ± 10.608 χ^2/NDF : 51.6/35

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

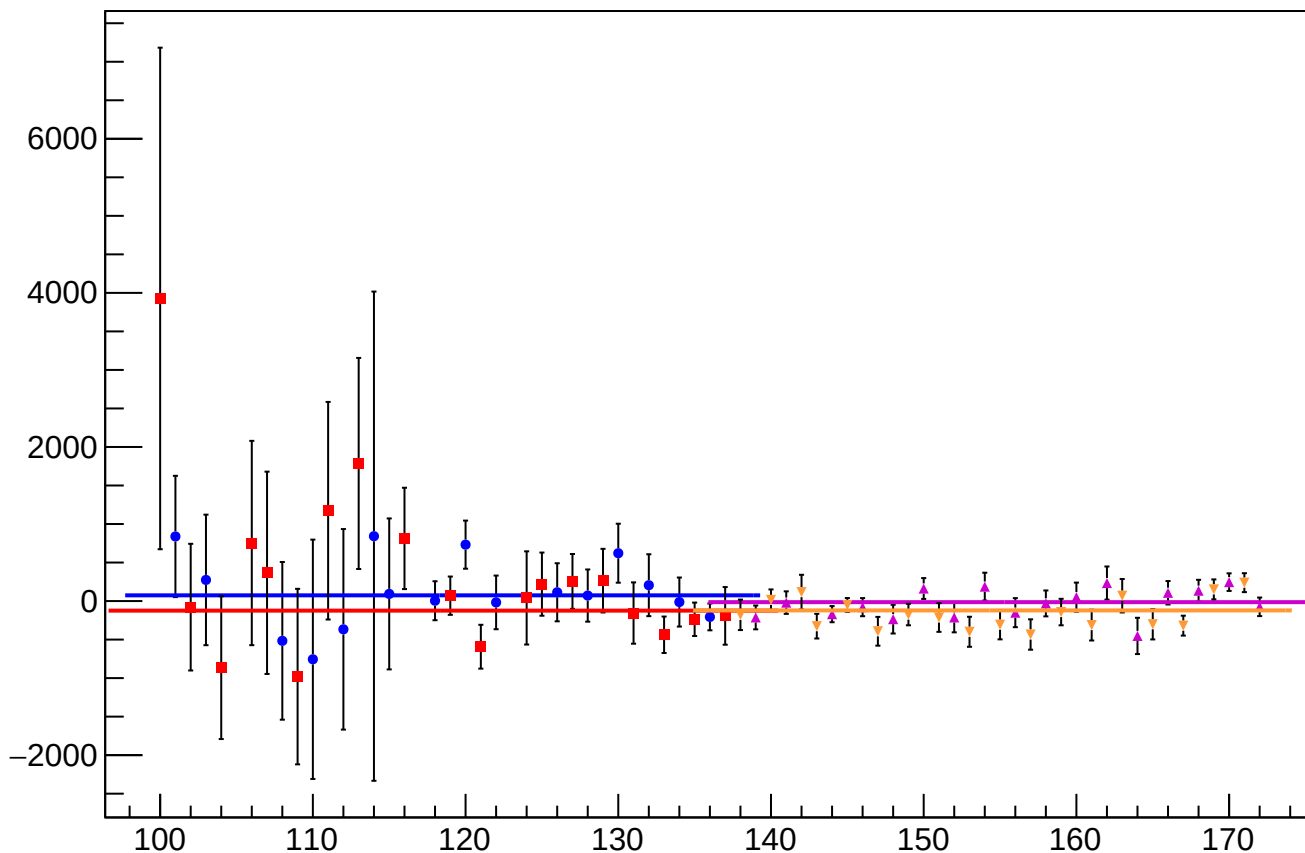
Left In: 43.175+/-0.008 χ^2/NDF : 494348.1/16

+ sign 46.675+/-0.007 χ^2/NDF : 2924894.2/33

All: 46.834+/-0.005 χ^2/NDF : 6212052.9/69

- sign 46.997+/-0.008 χ^2/NDF : 3286221.1/35

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

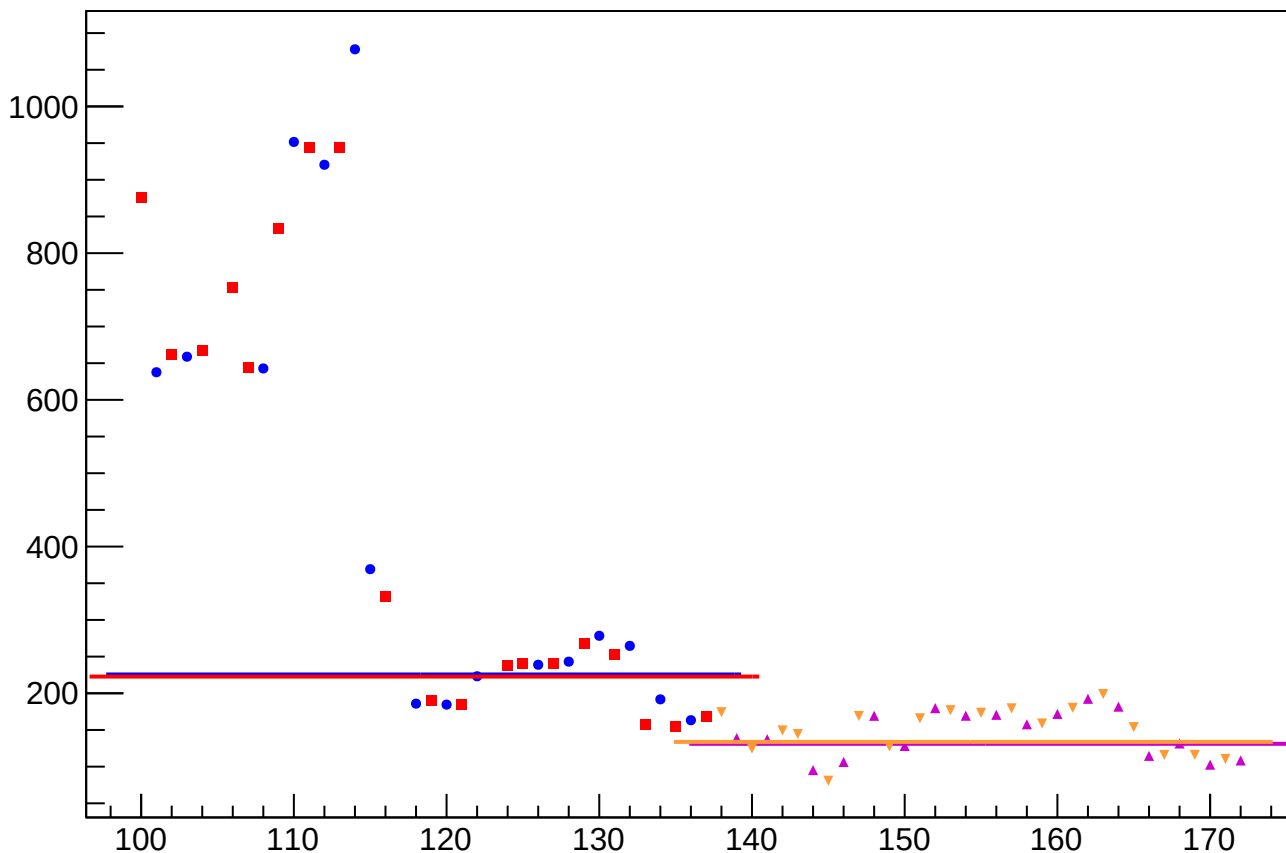
Left In: -14.253 ± 36.206 χ^2/NDF : 22.2/16

+ sign -95.719 ± 34.225 χ^2/NDF : 45.3/33

All: -61.597 ± 24.055 χ^2/NDF : 86.9/69

- sign -28.284 ± 33.817 χ^2/NDF : 39.7/35

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 225.614 $\pm$ 0.067 χ^2 /NDF: 3026007.7/15

Left Out: 133.730 $\pm$ 0.026 χ^2 /NDF:1728958.6/17

Right Out: 222.786 $\pm$ 0.067 χ^2 /NDF: 3848156.1/18

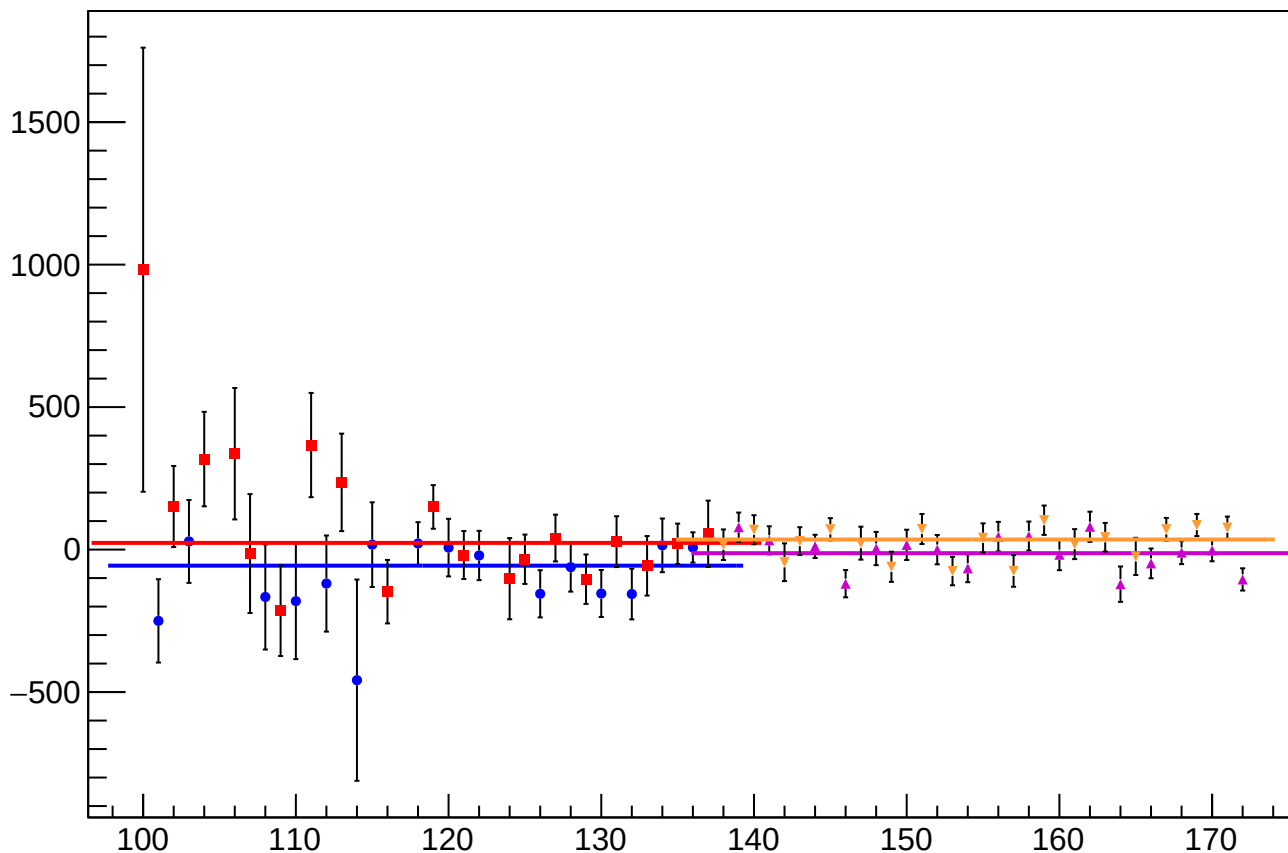
Left In: 131.102 $\pm$ 0.026 χ^2 /NDF:1338306.0/16

+ sign 145.784 $\pm$ 0.024 χ^2 /NDF: 6397985.4/33

All: 144.275 $\pm$ 0.017 χ^2 /NDF: 13228748.8/69

- sign 142.802 $\pm$ 0.024 χ^2 /NDF: 6823077.9/35

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

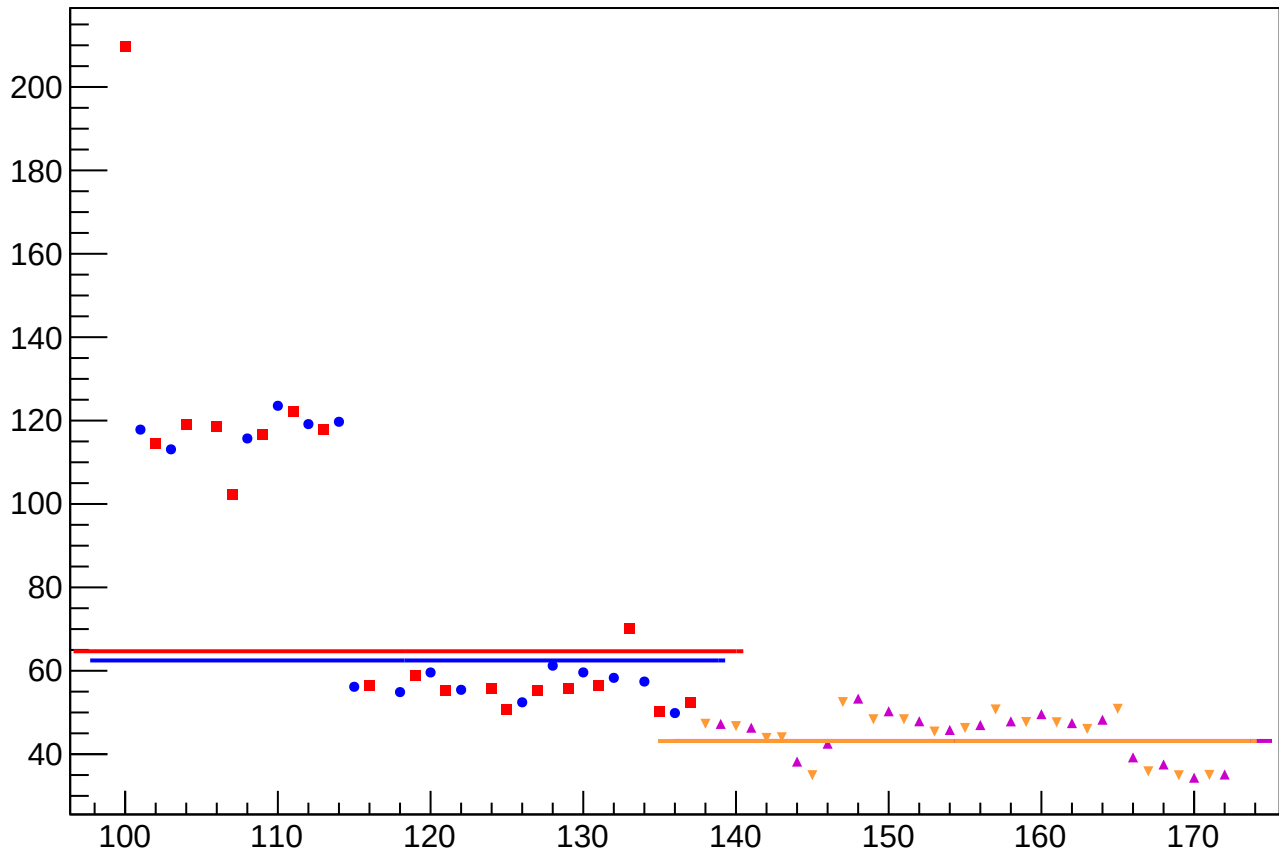
Left In: -12.596 ± 11.698 χ^2/NDF : 25.8/16

+ sign 18.594 ± 10.456 χ^2/NDF : 45.6/33

All: 6.386 ± 7.446 χ^2/NDF : 100.0/69

- sign -6.181 ± 10.608 χ^2/NDF : 51.6/35

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

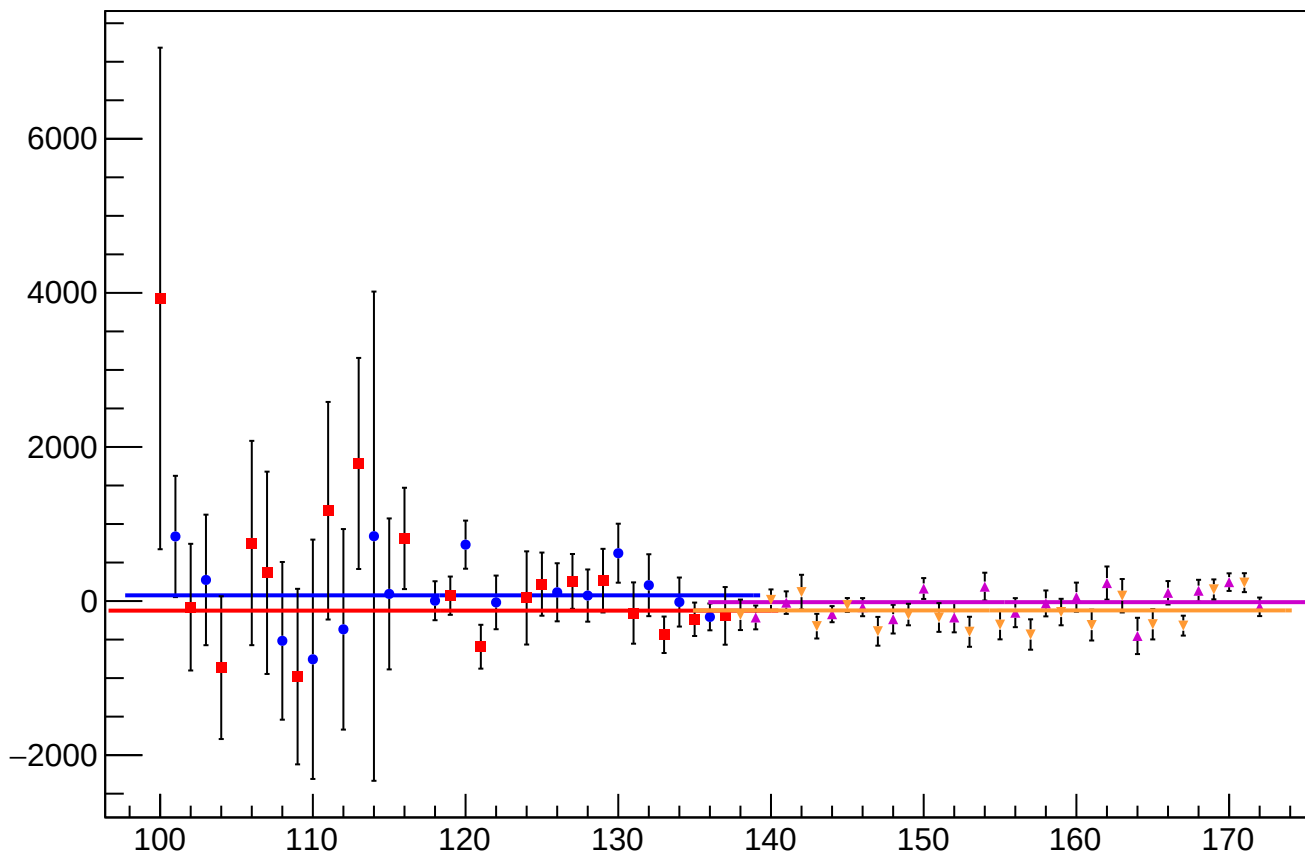
Left In: 43.175+/-0.008 χ^2/NDF : 494356.8/16

+ sign 46.675+/-0.007 χ^2/NDF : 2924845.1/33

All: 46.834+/-0.005 χ^2/NDF : 6211964.3/69

- sign 46.997+/-0.008 χ^2/NDF : 3286181.3/35

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



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

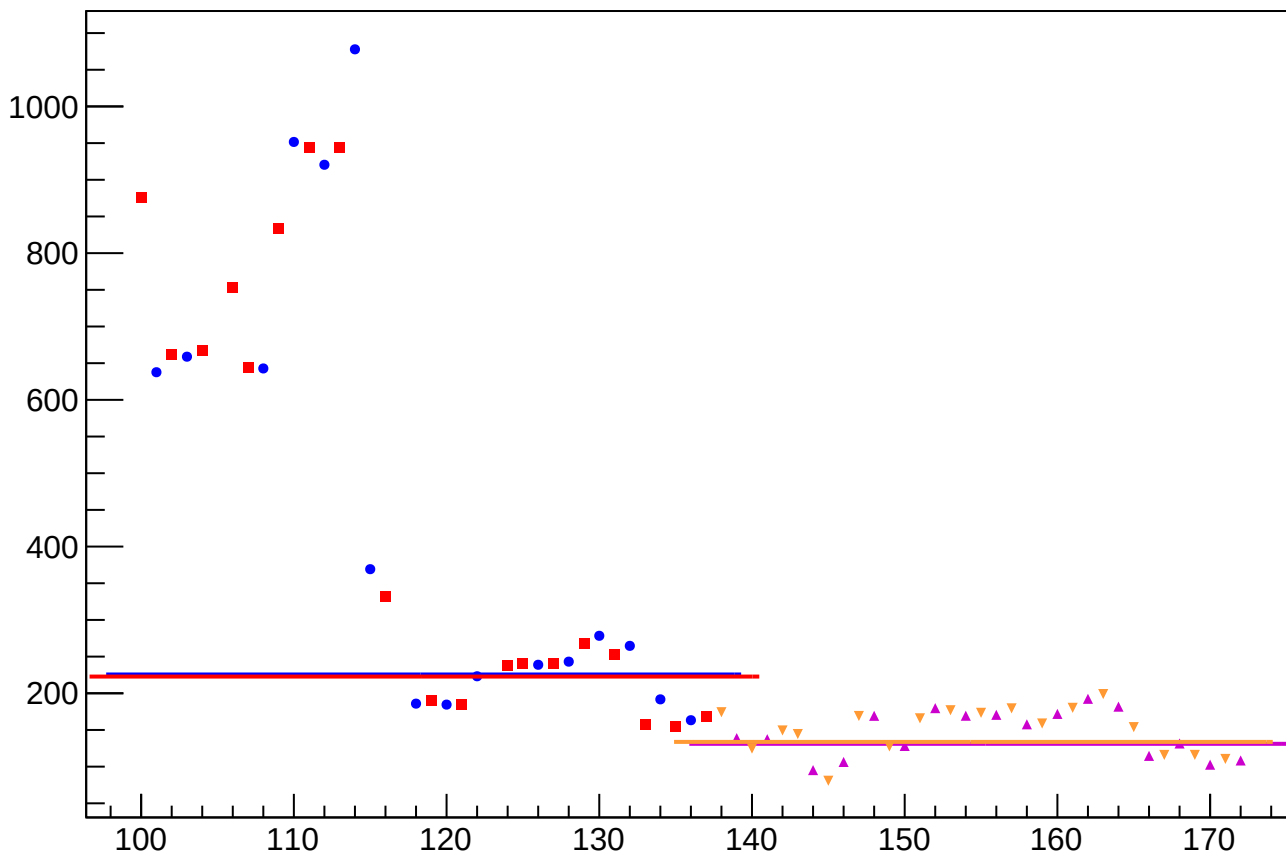
Left In: -14.253 ± 36.206 χ^2/NDF : 22.2/16

+ sign -95.718 ± 34.225 χ^2/NDF : 45.3/33

All: -61.597 ± 24.055 χ^2/NDF : 86.9/69

- sign -28.284 ± 33.817 χ^2/NDF : 39.7/35

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 225.614 $\pm$ 0.067 χ^2 /NDF: 3025994.8/15

Left Out: 133.731 $\pm$ 0.026 χ^2 /NDF: 1728943.0/17

Right Out: 222.787 $\pm$ 0.067 χ^2 /NDF: 3848136.6/18

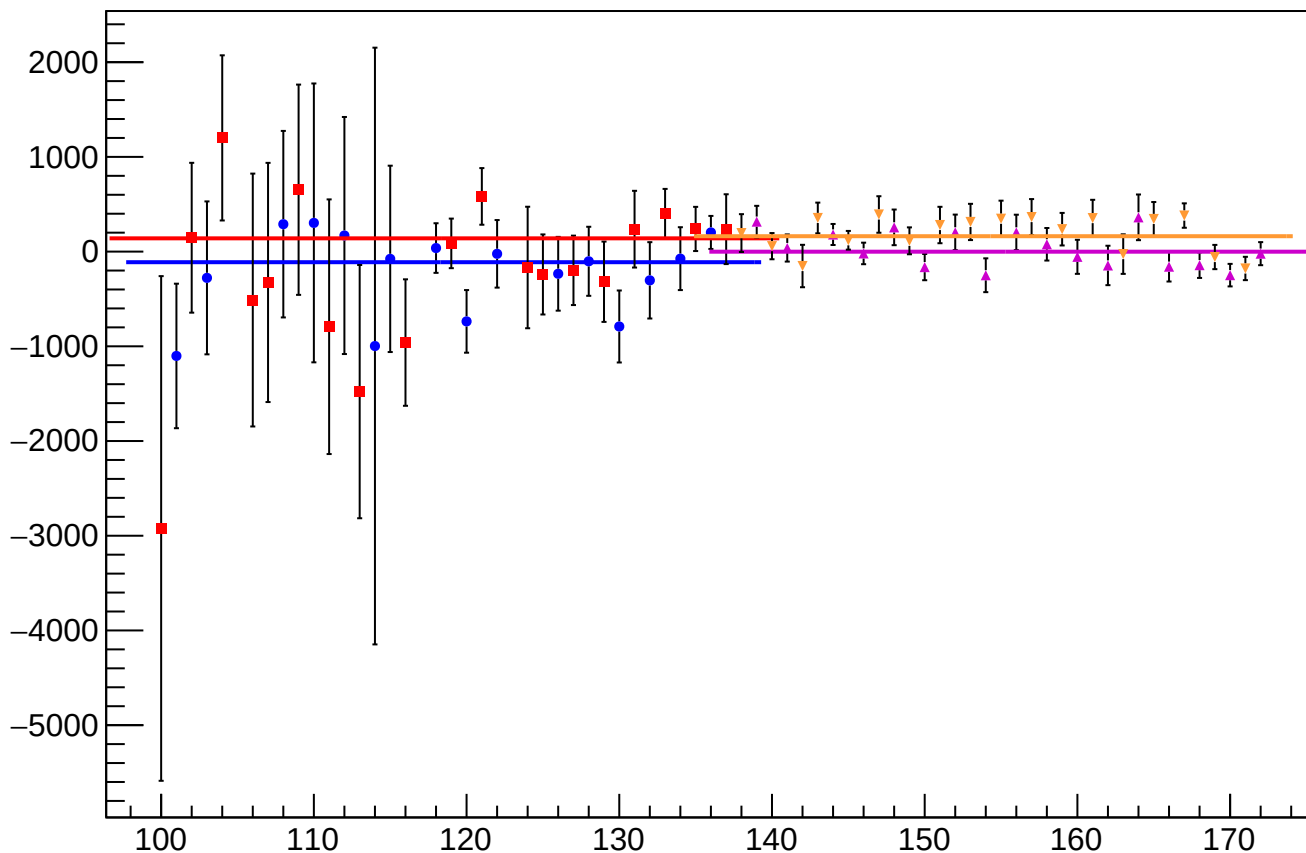
Left In: 131.102 $\pm$ 0.026 χ^2 /NDF: 1338304.3/16

+ sign 145.785 $\pm$ 0.024 χ^2 /NDF: 6397942.4/33

All: 144.275 $\pm$ 0.017 χ^2 /NDF: 13228692.9/69

- sign 142.802 $\pm$ 0.024 χ^2 /NDF: 6823064.0/35

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

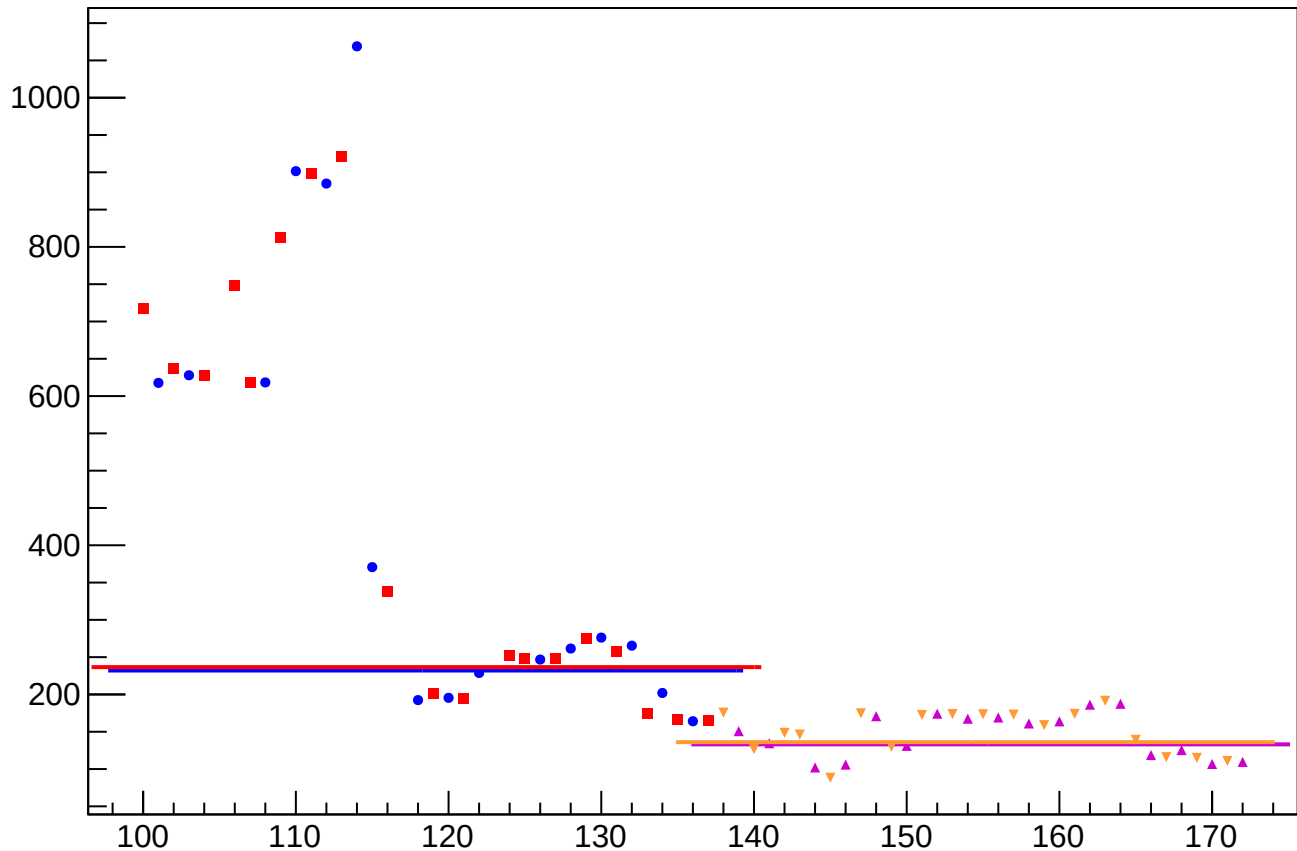
Left In: -0.932 ± 36.500 χ^2/NDF : 23.5/16

+ sign 127.180 ± 34.644 χ^2/NDF : 45.1/33

All: 70.898 ± 24.358 χ^2/NDF : 90.3/69

- sign 15.877 ± 34.254 χ^2/NDF : 39.9/35

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

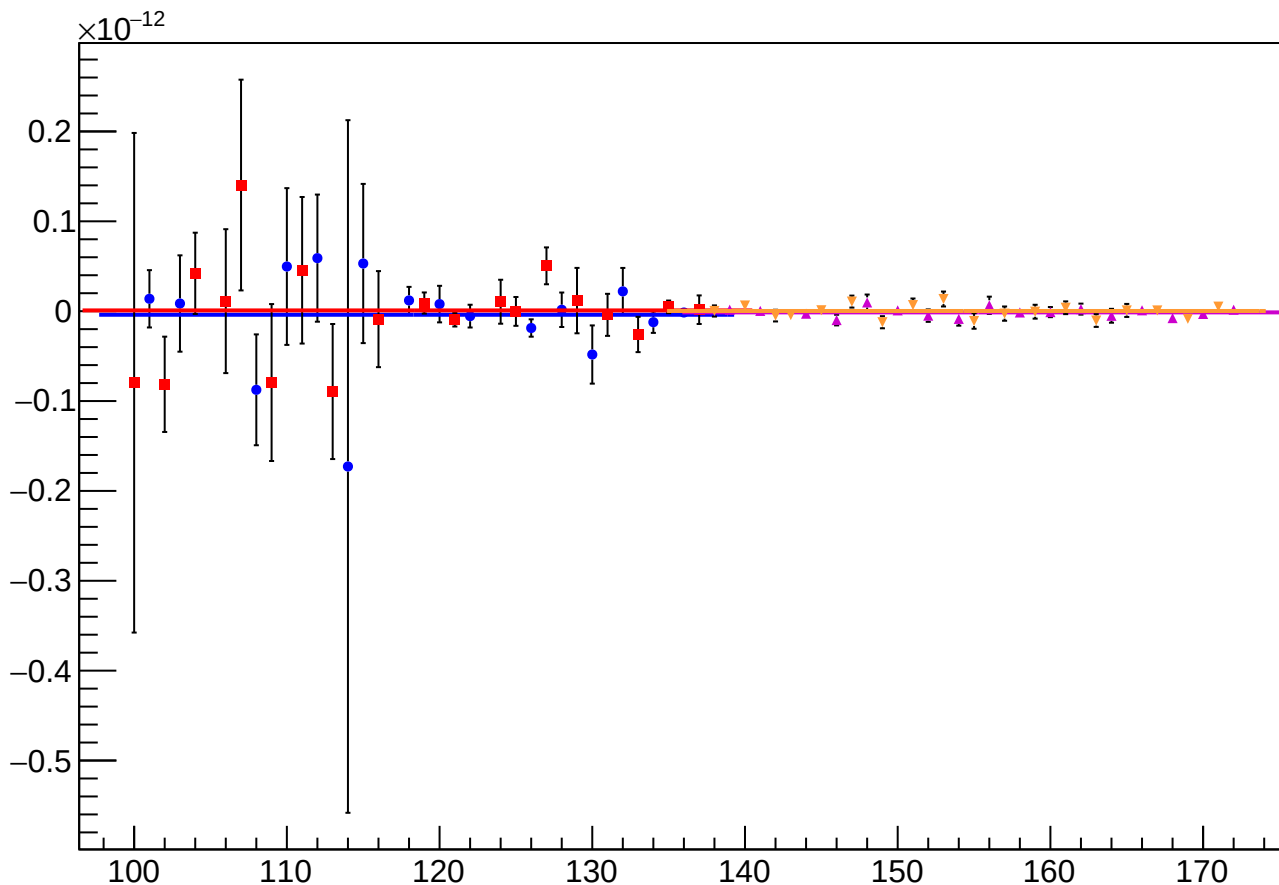
Left In: 133.059+/-0.026 χ^2/NDF : 1156867.1/16

+ sign 148.423+/-0.024 χ^2/NDF : 6005110.2/33

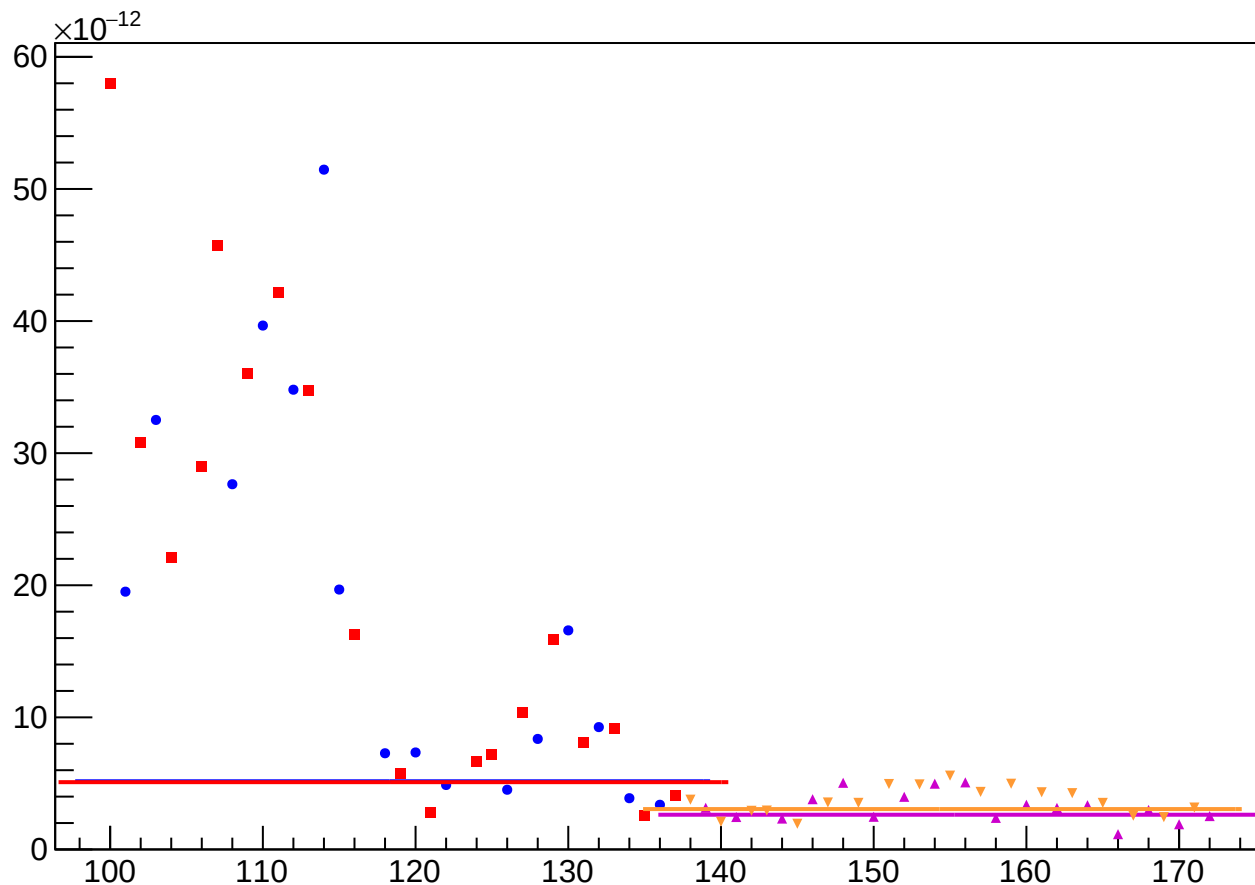
All: 146.903+/-0.017 χ^2/NDF : 12612317.0/69

- sign 145.416+/-0.024 χ^2/NDF : 6599589.4/35

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



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

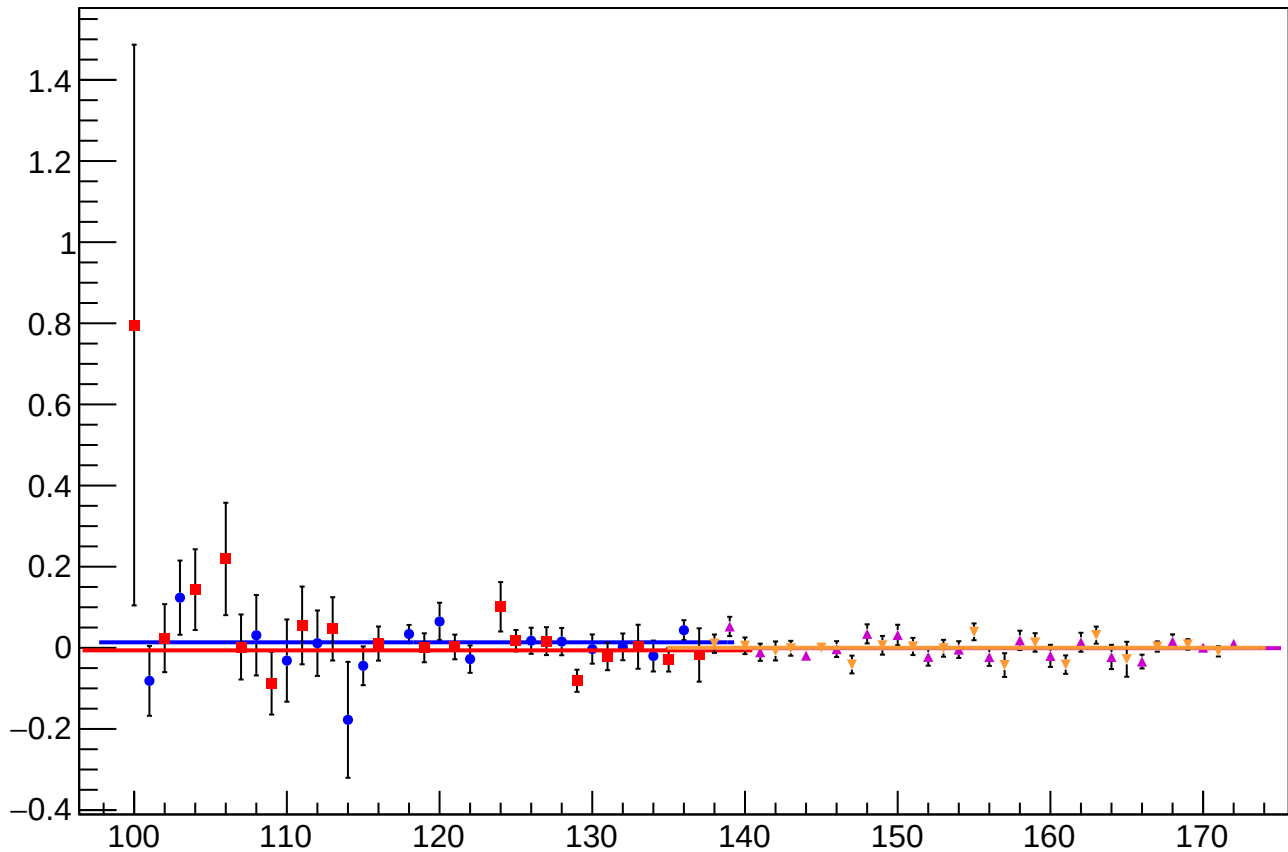
Left In: 0.000+/-0.000 χ^2/NDF : 1241986.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 4422593.6/33

All: 0.000+/-0.000 χ^2/NDF : 9751182.0/69

- sign 0.000+/-0.000 χ^2/NDF : 5188469.0/35

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

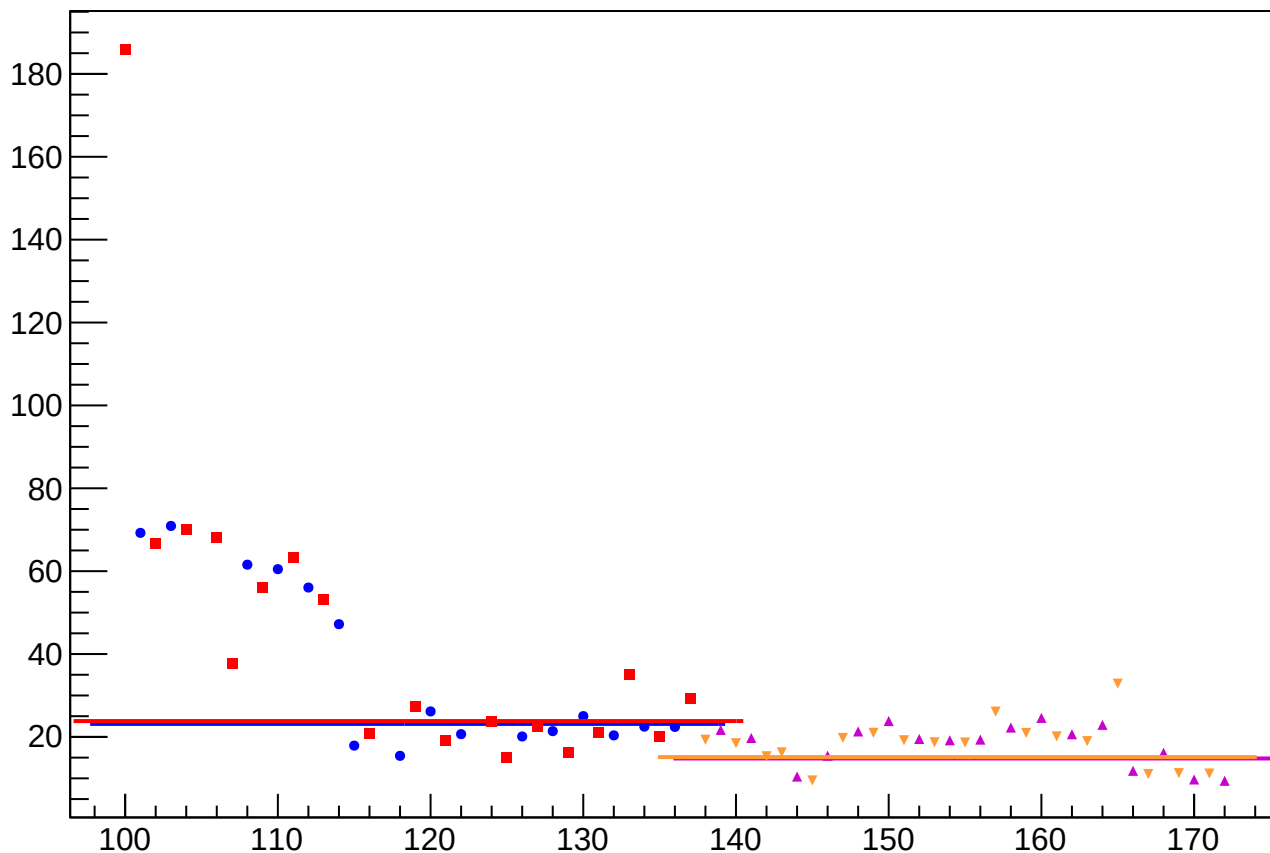
Left In: -0.001 ± 0.004 χ^2/NDF : 21.3/16

+ sign 0.002 ± 0.004 χ^2/NDF : 30.9/33

All: 0.000 ± 0.003 χ^2/NDF : 74.4/69

- sign -0.002 ± 0.004 χ^2/NDF : 43.0/35

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.145 $\pm$ 0.007 χ^2 /NDF: 2406426.8/15

Left Out: 15.128 $\pm$ 0.003 χ^2 /NDF: 2534852.9/17

Right Out: 23.825 $\pm$ 0.007 χ^2 /NDF: 2898916.7/18

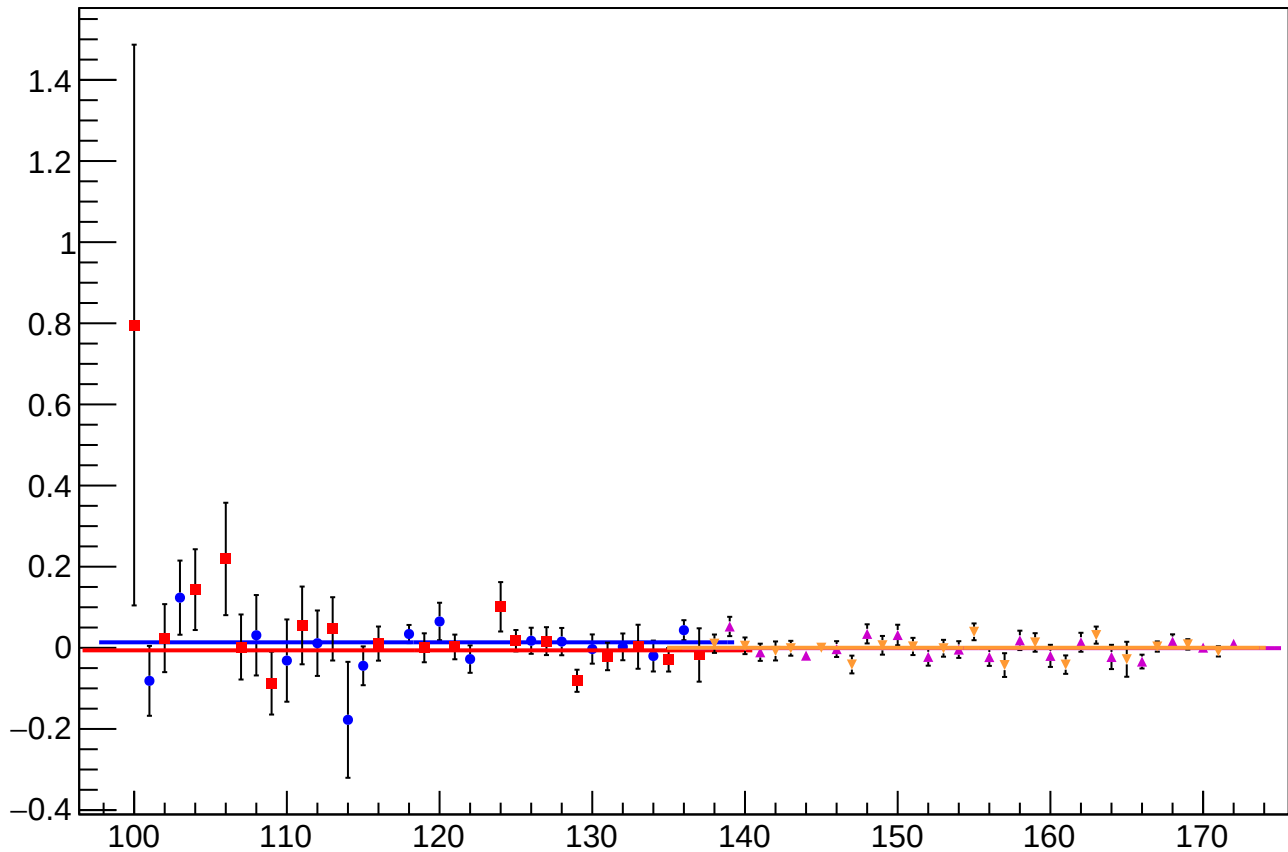
Left In: 14.796 $\pm$ 0.003 χ^2 /NDF: 2970159.5/16

+ sign 16.411 $\pm$ 0.003 χ^2 /NDF: 6055007.6/33

All: 16.307 $\pm$ 0.002 χ^2 /NDF: 13285014.9/69

- sign 16.202 $\pm$ 0.003 χ^2 /NDF: 7227212.2/35

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.010 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.004 χ^2/NDF : 17.0/17

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

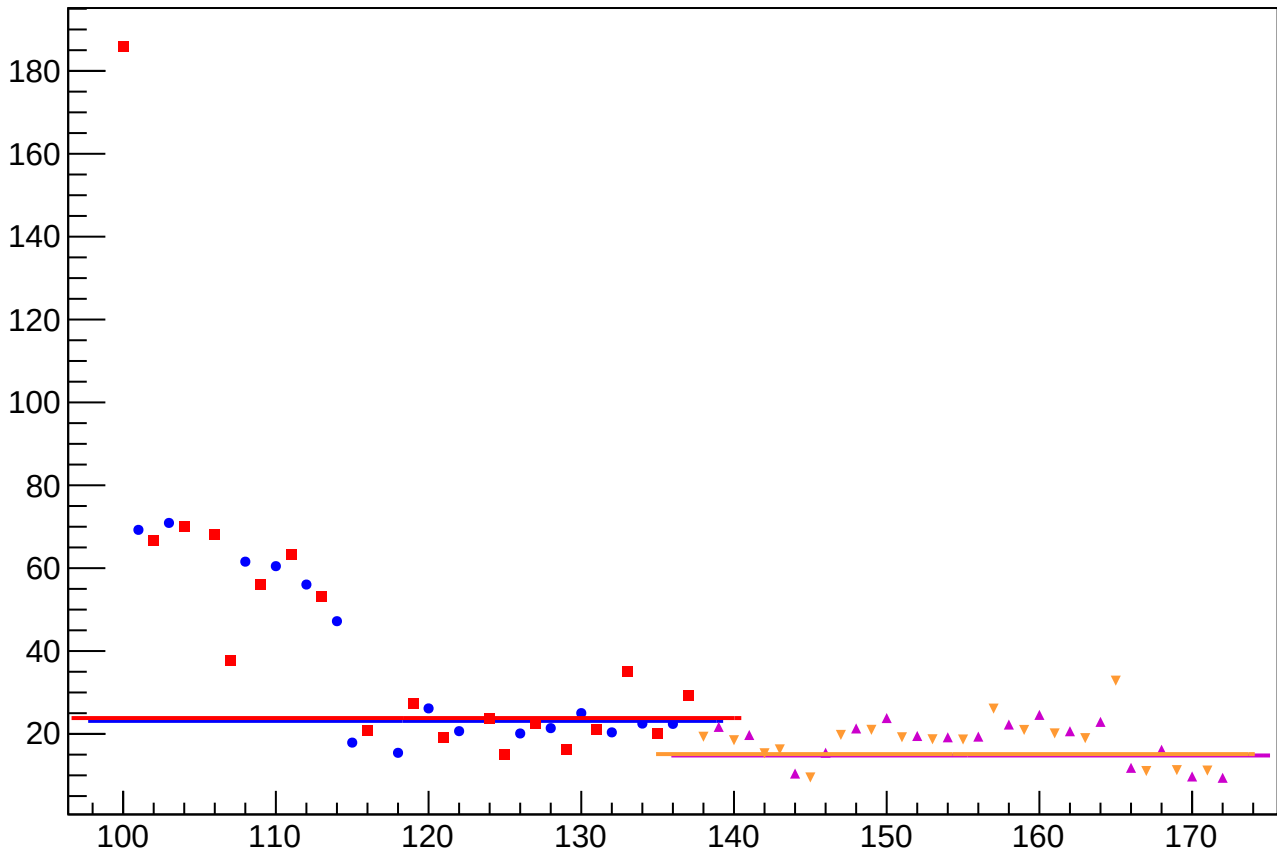
Left In: -0.001 ± 0.004 χ^2/NDF : 21.3/16

+ sign 0.002 ± 0.004 χ^2/NDF : 30.9/33

All: 0.000 ± 0.003 χ^2/NDF : 74.4/69

- sign -0.002 ± 0.004 χ^2/NDF : 43.0/35

asym_sam_37_26_dd_dit_vs_eigen_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

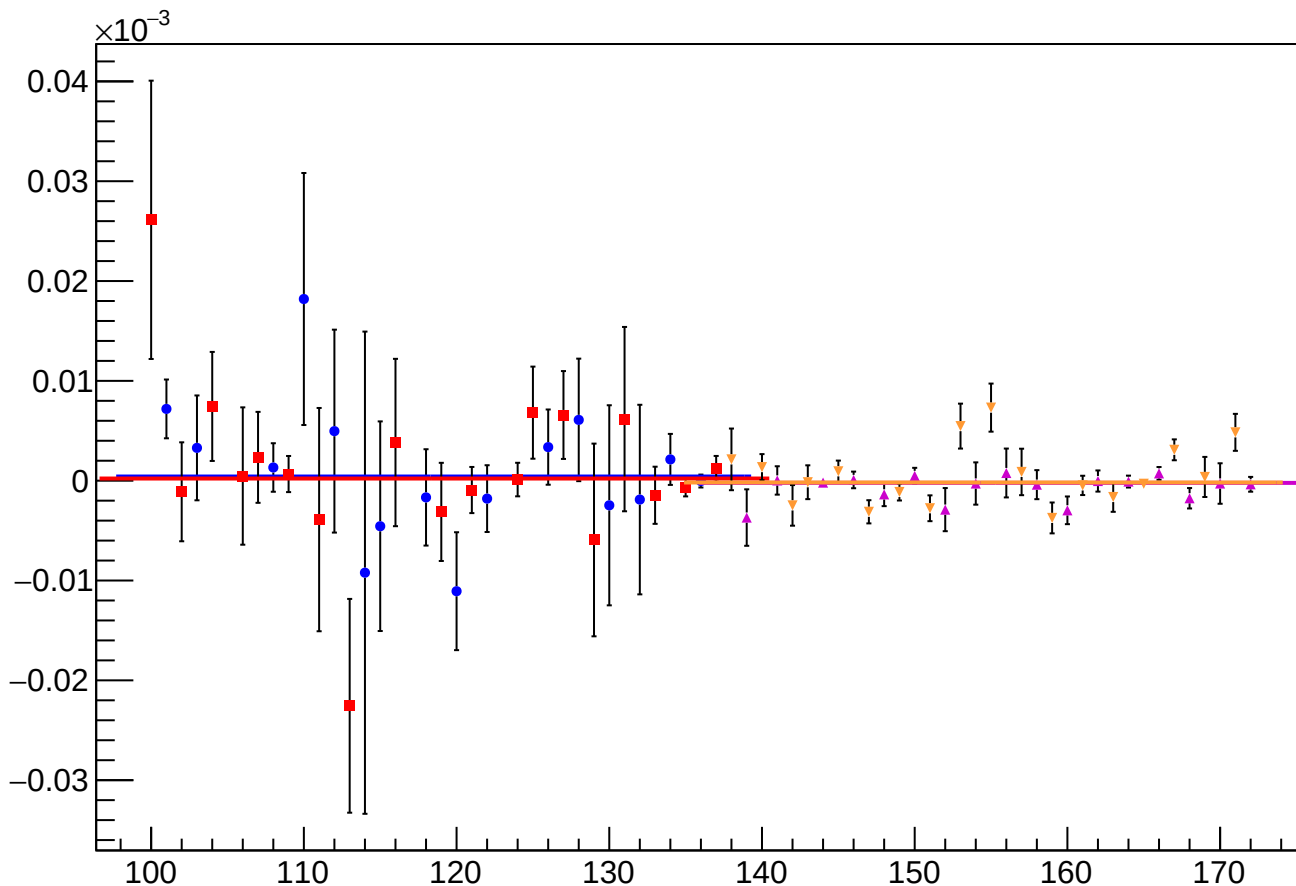
Left In: 14.796+/-0.003 χ^2/NDF : 2970159.5/16

+ sign 16.411+/-0.003 χ^2/NDF : 6055007.6/33

All: 16.307+/-0.002 χ^2/NDF : 13285014.9/69

- sign 16.202+/-0.003 χ^2/NDF : 7227212.2/35

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/15

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 55.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/18

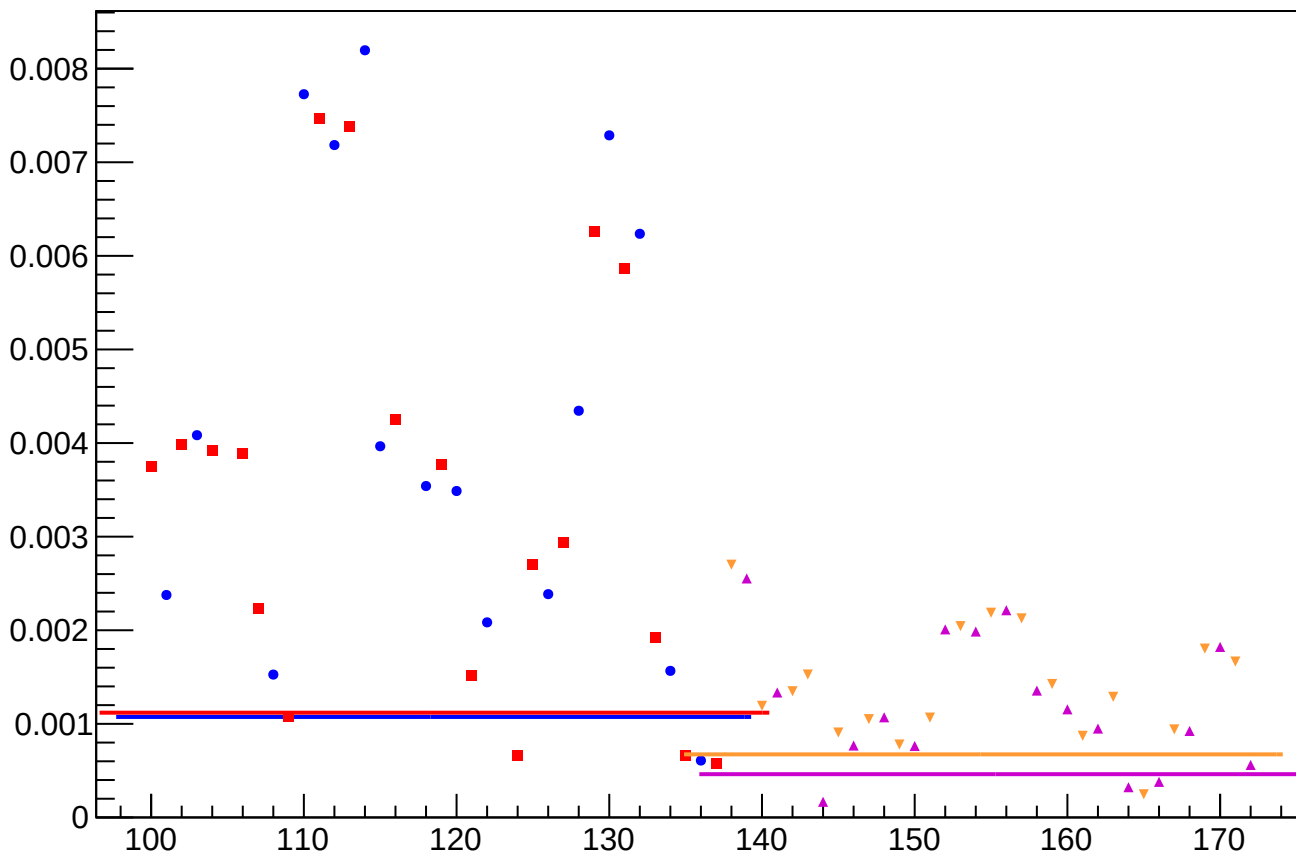
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.6/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 72.0/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 104.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/35

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

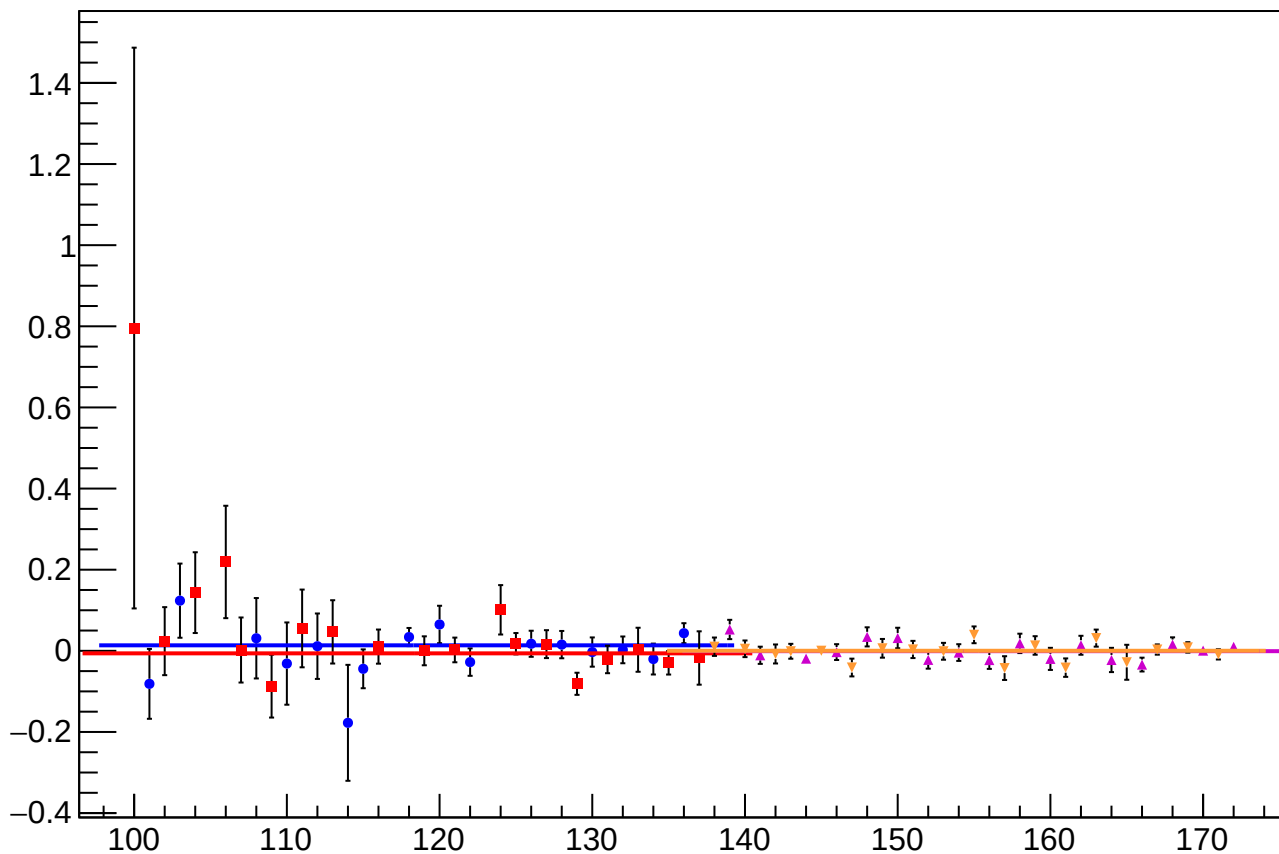
Left In: 0.000+/-0.000 χ^2/NDF : 11868962.5/16

+ sign 0.001+/-0.000 χ^2/NDF : 18512772.8/33

All: 0.001+/-0.000 χ^2/NDF : 40768643.8/69

- sign 0.001+/-0.000 χ^2/NDF : 21092265.9/35

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 $\pm$ 0.010 χ^2 /NDF: 12.3/15

Left Out: 0.000 $\pm$ 0.004 χ^2 /NDF: 17.0/17

Right Out: -0.006 $\pm$ 0.010 χ^2 /NDF: 21.5/18

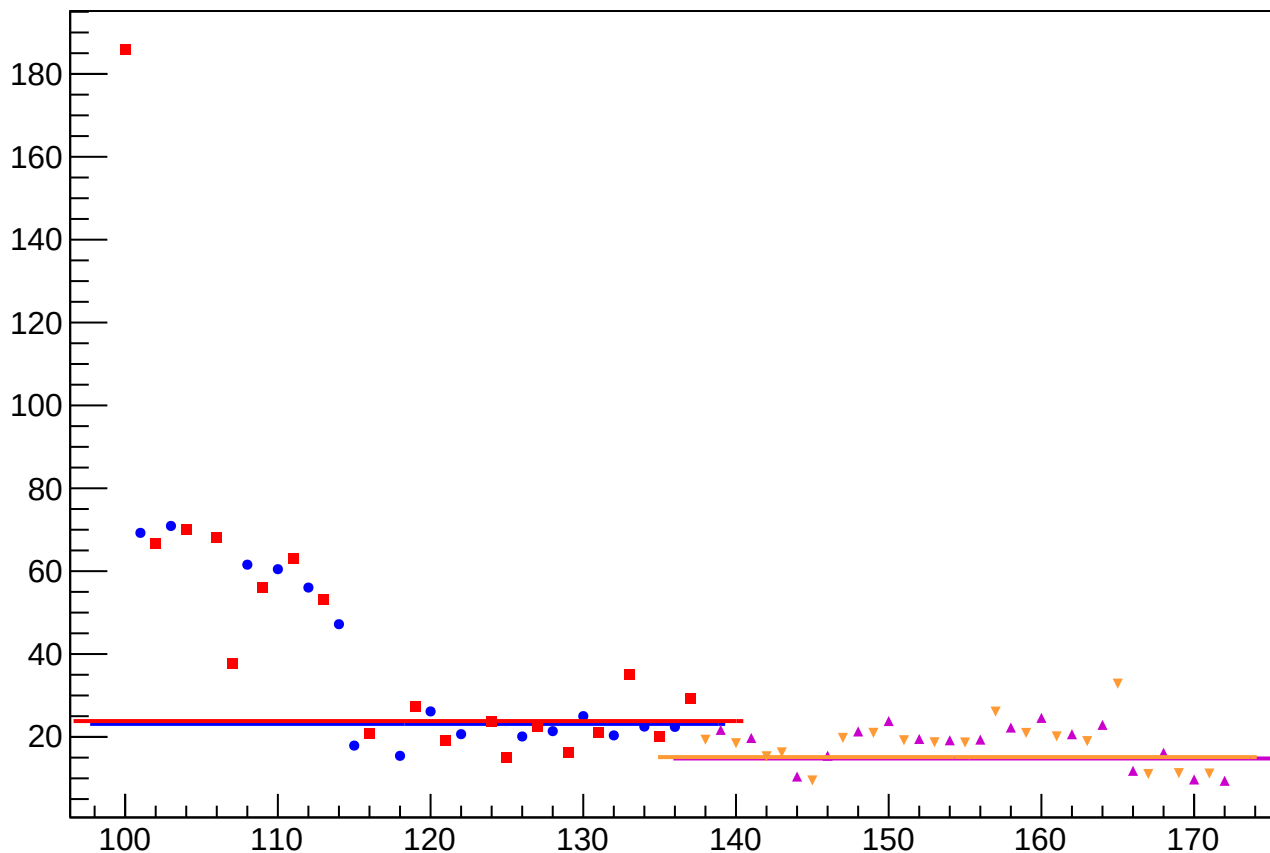
Left In: -0.001 $\pm$ 0.004 χ^2 /NDF: 21.3/16

+ sign 0.002 $\pm$ 0.004 χ^2 /NDF: 30.9/33

All: 0.000 $\pm$ 0.003 χ^2 /NDF: 74.4/69

- sign -0.002 $\pm$ 0.004 χ^2 /NDF: 43.0/35

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.144 $\pm$ 0.007 χ^2 /NDF: 2406451.1/15

Left Out: 15.128 $\pm$ 0.003 χ^2 /NDF: 2535003.7/17

Right Out: 23.824 $\pm$ 0.007 χ^2 /NDF: 2898863.9/18

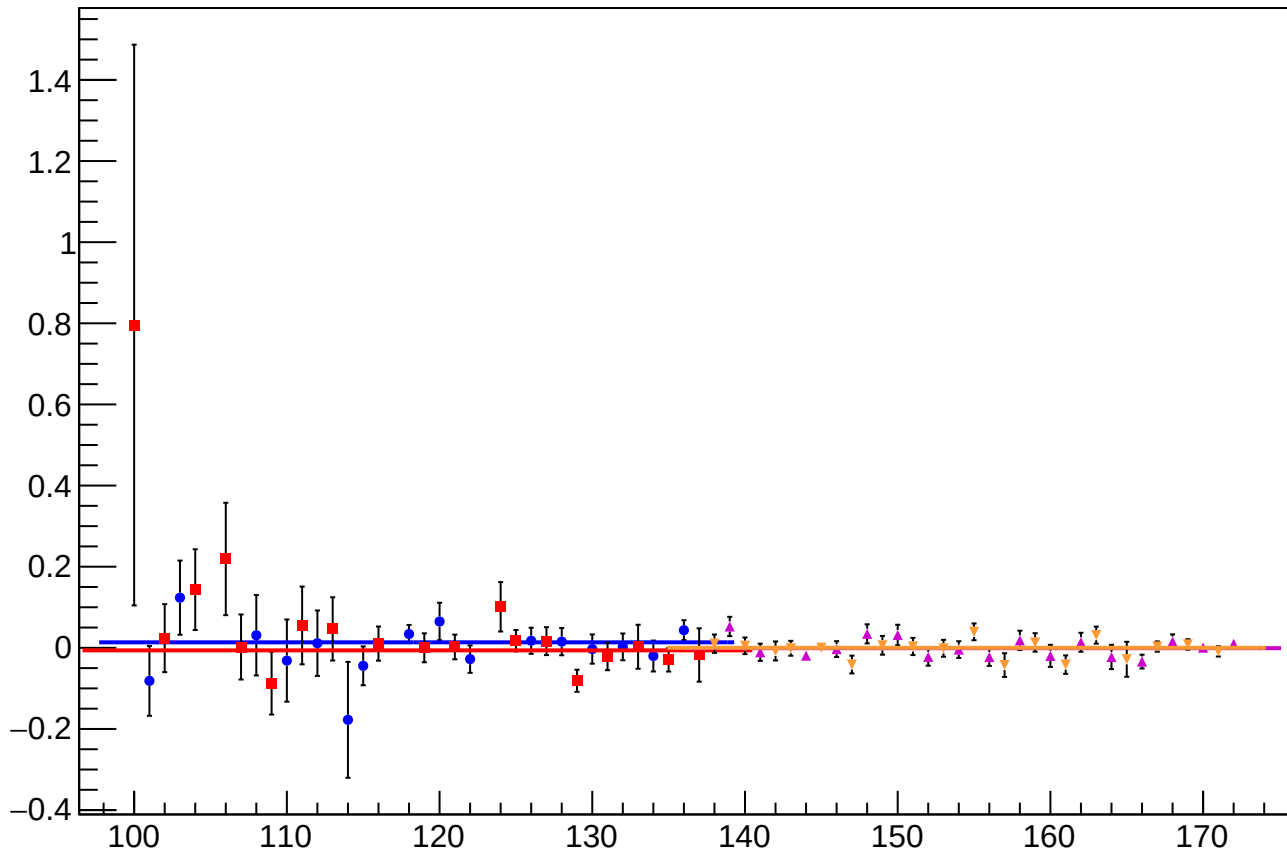
Left In: 14.796 $\pm$ 0.003 χ^2 /NDF: 2970234.9/16

+ sign 16.411 $\pm$ 0.003 χ^2 /NDF: 6054909.1/33

All: 16.307 $\pm$ 0.002 χ^2 /NDF: 13284805.0/69

- sign 16.202 $\pm$ 0.003 χ^2 /NDF: 7227102.6/35

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.010 χ^2/NDF : 12.3/15

Left Out: 0.000 ± 0.004 χ^2/NDF : 17.0/17

Right Out: -0.006 ± 0.010 χ^2/NDF : 21.5/18

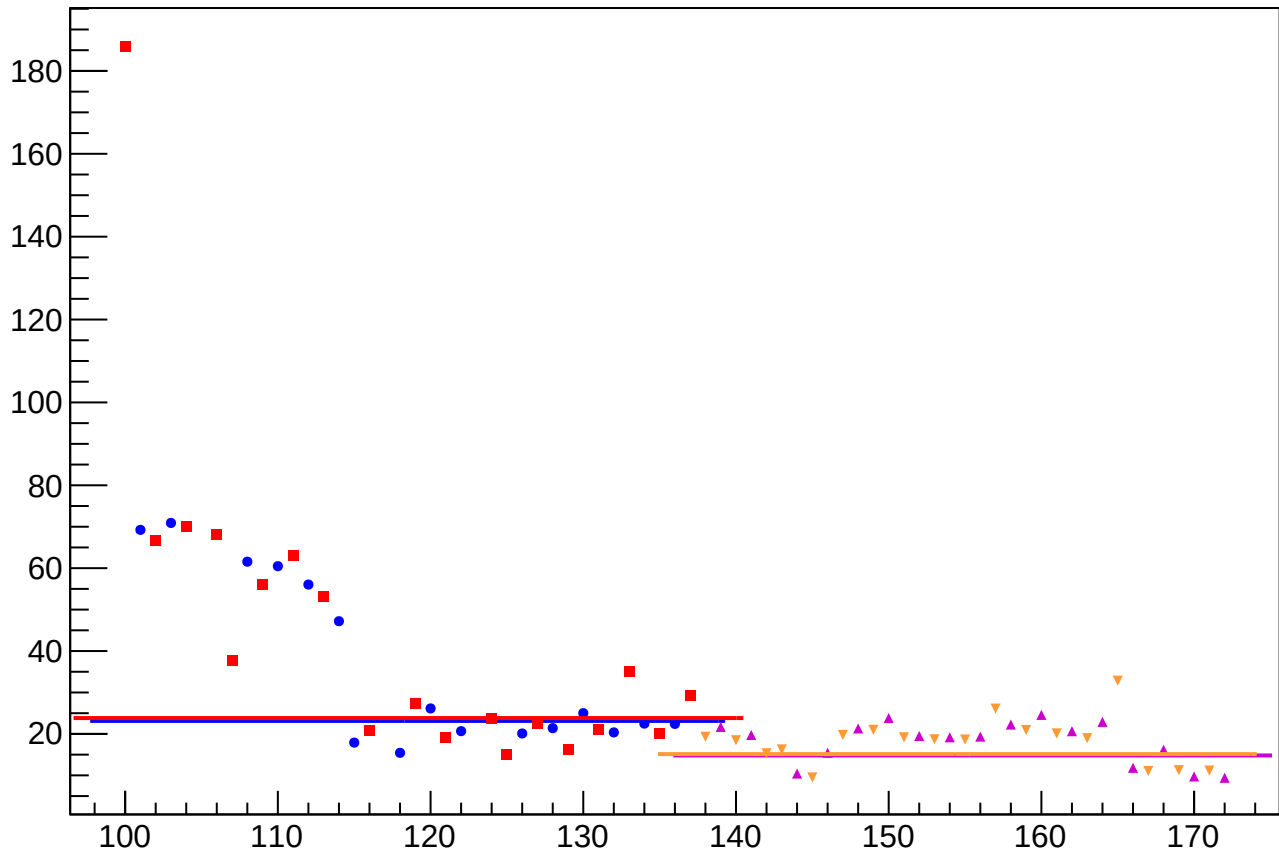
Left In: -0.001 ± 0.004 χ^2/NDF : 21.3/16

+ sign 0.002 ± 0.004 χ^2/NDF : 30.9/33

All: 0.000 ± 0.003 χ^2/NDF : 74.4/69

- sign -0.002 ± 0.004 χ^2/NDF : 43.0/35

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.144 $\pm$ 0.007 χ^2 /NDF: 2406451.1/15

Left Out: 15.128 $\pm$ 0.003 χ^2 /NDF: 2535003.7/17

Right Out: 23.824 $\pm$ 0.007 χ^2 /NDF: 2898863.9/18

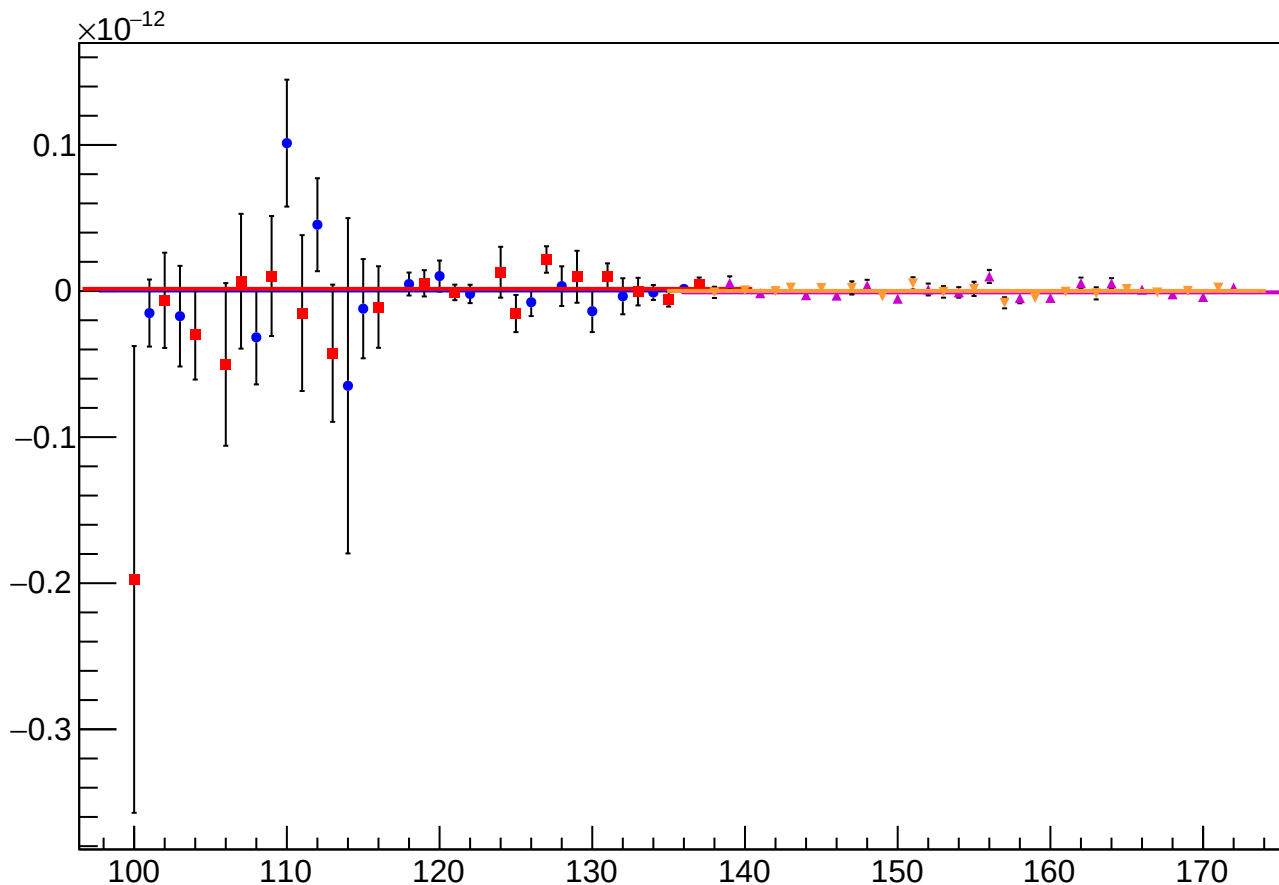
Left In: 14.796 $\pm$ 0.003 χ^2 /NDF: 2970234.9/16

+ sign 16.411 $\pm$ 0.003 χ^2 /NDF: 6054909.1/33

All: 16.307 $\pm$ 0.002 χ^2 /NDF: 13284805.0/69

- sign 16.202 $\pm$ 0.003 χ^2 /NDF: 7227102.6/35

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.9/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13.5/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/18

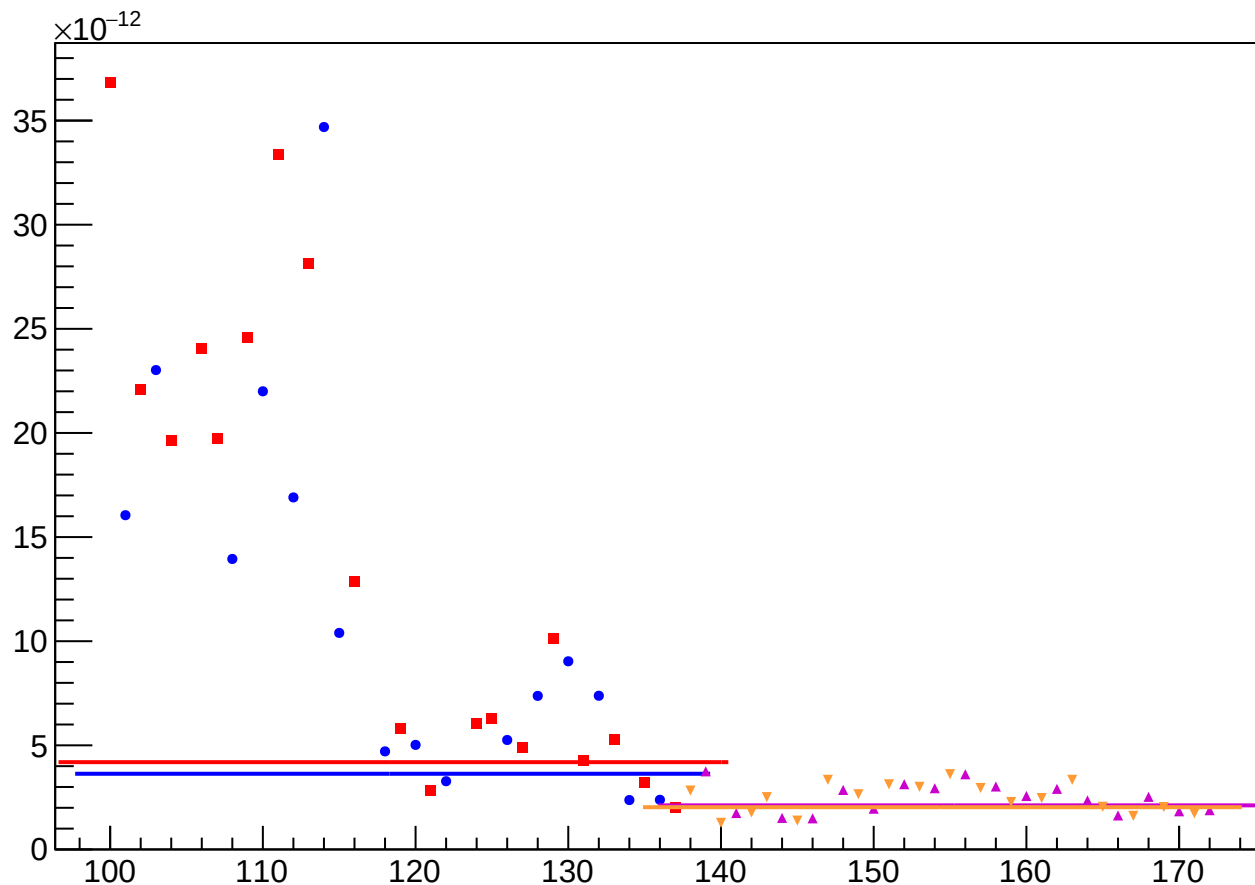
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:26.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 70.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.0/35

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1967390.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 4454808.3/18

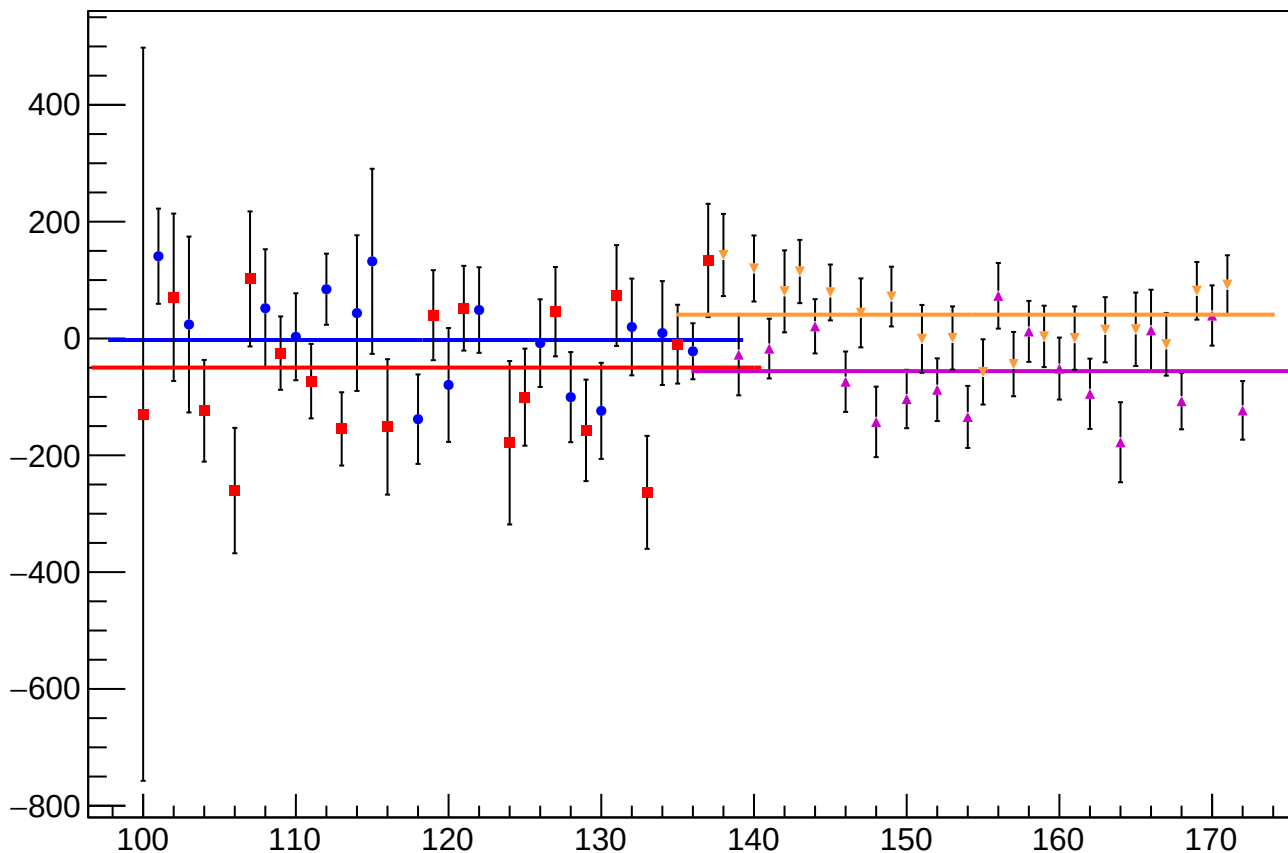
Left In: 0.000+/-0.000 χ^2/NDF : 1614966.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 6657392.6/33

All: 0.000+/-0.000 χ^2/NDF : 14172618.3/69

- sign 0.000+/-0.000 χ^2/NDF : 7492633.3/35

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.614 ± 19.994 $\chi^2/\text{NDF}: 14.6/15$

Left Out: 40.827 ± 13.041 $\chi^2/\text{NDF}: 17.8/17$

Right Out: -49.810 ± 19.621 $\chi^2/\text{NDF}: 29.4/18$

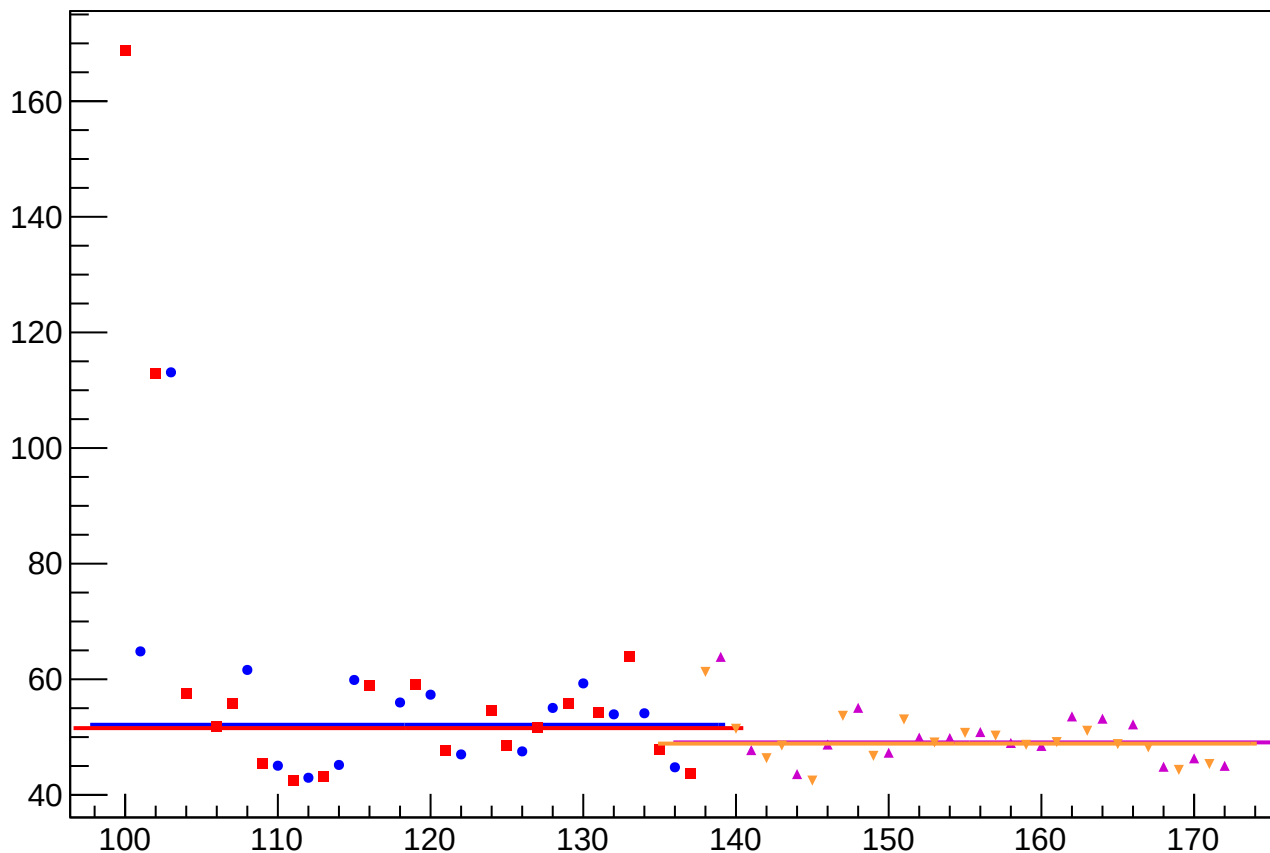
Left In: -55.885 ± 13.200 $\chi^2/\text{NDF}: 27.0/16$

+ sign 27.862 ± 10.923 $\chi^2/\text{NDF}: 35.7/33$

All: -12.957 ± 7.734 $\chi^2/\text{NDF}: 120.1/69$

- sign -53.992 ± 10.952 $\chi^2/\text{NDF}: 56.4/35$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 ± 0.014 $\chi^2/\text{NDF}: 562918.0/15$

Left Out: 48.874 ± 0.009 $\chi^2/\text{NDF}: 165540.2/17$

Right Out: 51.550 ± 0.014 $\chi^2/\text{NDF}: 639564.9/18$

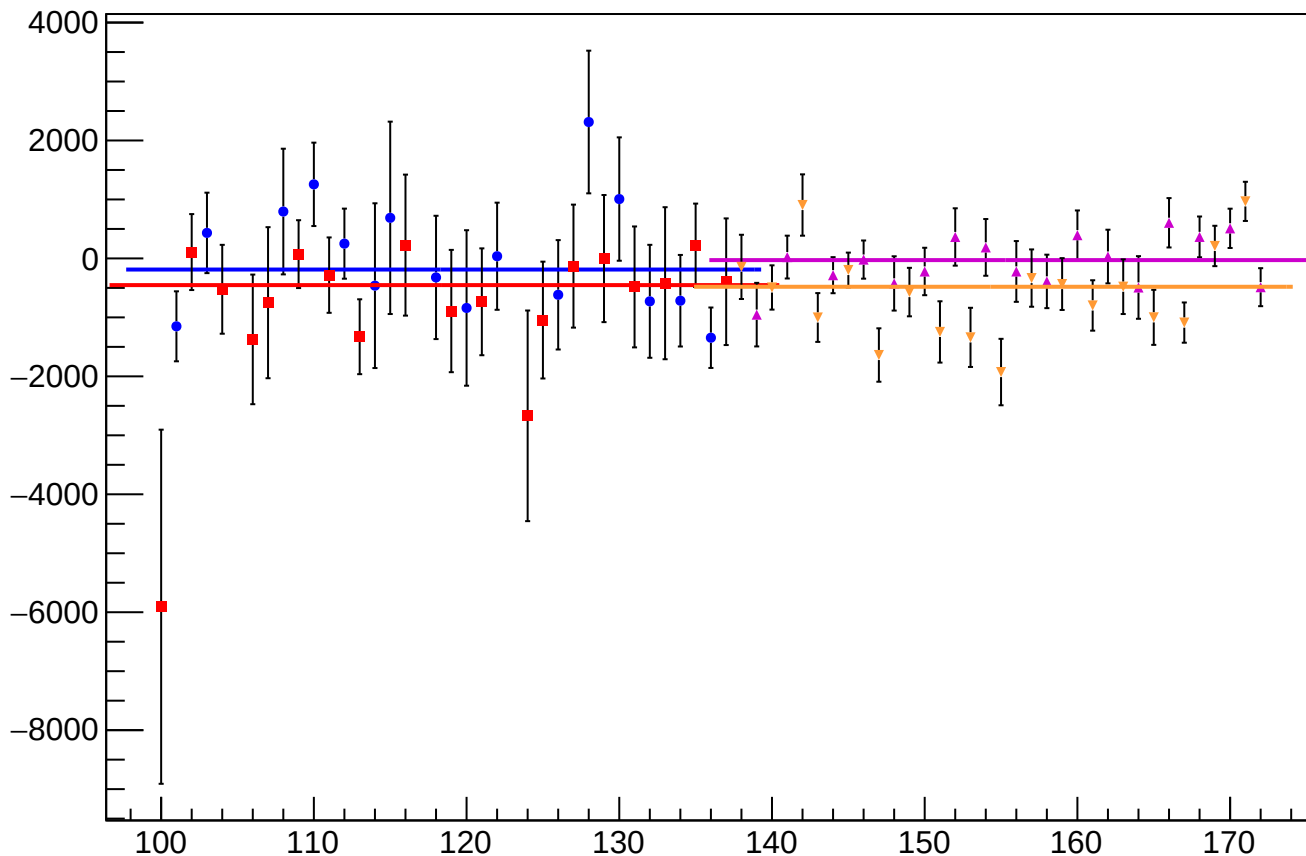
Left In: 49.082 ± 0.009 $\chi^2/\text{NDF}: 201244.6/16$

+ sign 49.845 ± 0.008 $\chi^2/\text{NDF}: 765630.7/33$

All: 49.848 ± 0.005 $\chi^2/\text{NDF}: 1628225.9/69$

- sign 49.851 ± 0.008 $\chi^2/\text{NDF}: 862595.0/35$

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -188.563 $\pm$ 205.811 χ^2 /NDF: 21.4/15

Left Out: -480.753 $\pm$ 98.322 χ^2 /NDF:56.4/17

Right Out: -452.540 $\pm$ 203.918 χ^2 /NDF: 11.3/18

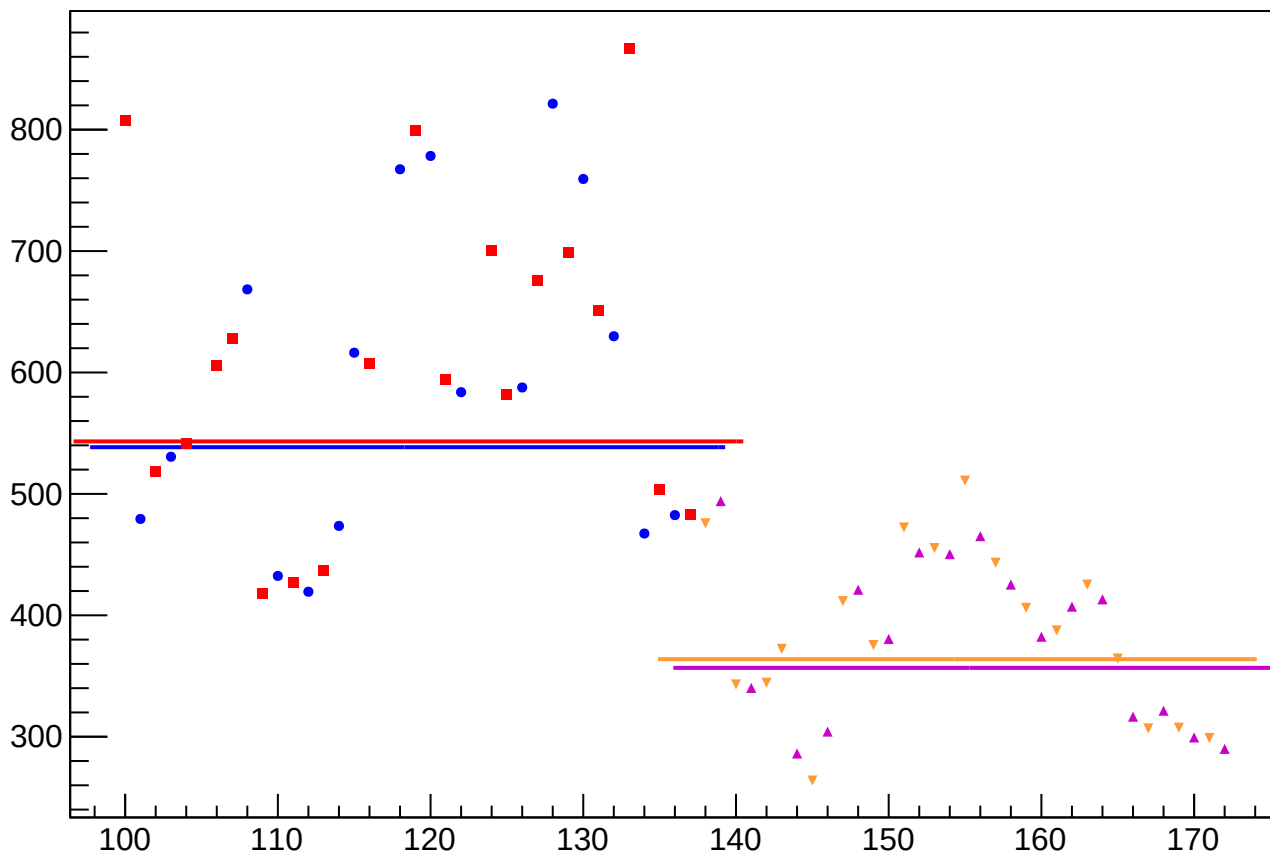
Left In: -28.568 $\pm$ 97.073 χ^2 /NDF:16.3/16

+ sign -426.459 $\pm$ 88.718 χ^2 /NDF: 79.4/33

All: -264.740 $\pm$ 62.352 χ^2 /NDF: 117.1/69

- sign -106.896 $\pm$ 87.649 χ^2 /NDF: 31.1/35

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 538.468 $\pm$ 0.146 χ^2/NDF : 613995.2/15

Left Out: 363.871 $\pm$ 0.070 χ^2/NDF : 937836.7/17

Right Out: 543.242 $\pm$ 0.144 χ^2/NDF : 637115.5/18

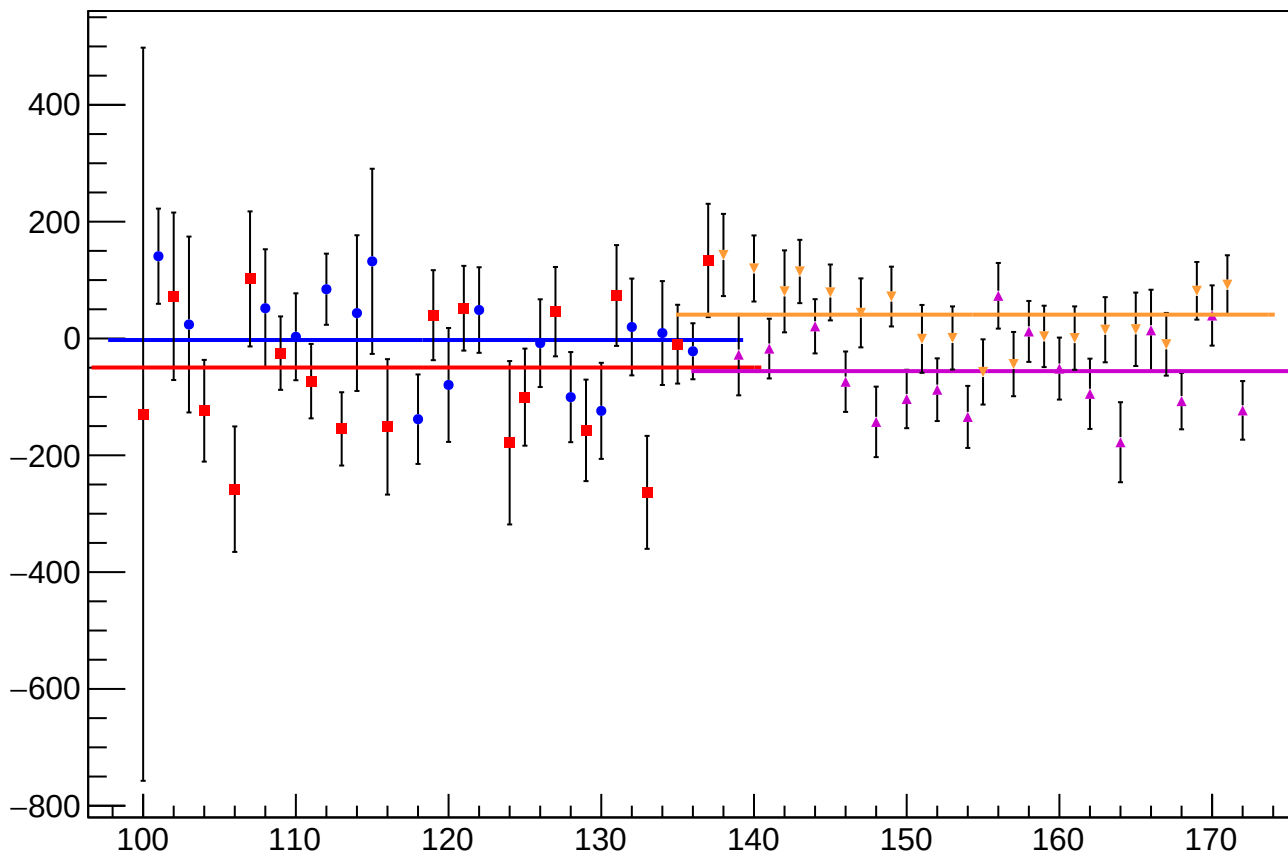
Left In: 356.724 $\pm$ 0.069 χ^2/NDF : 864456.5/16

+ sign 396.314 $\pm$ 0.063 χ^2/NDF : 2723722.8/33

All: 393.718 $\pm$ 0.044 χ^2/NDF : 5592789.7/69

- sign 391.183 $\pm$ 0.062 χ^2/NDF : 2865681.7/35

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

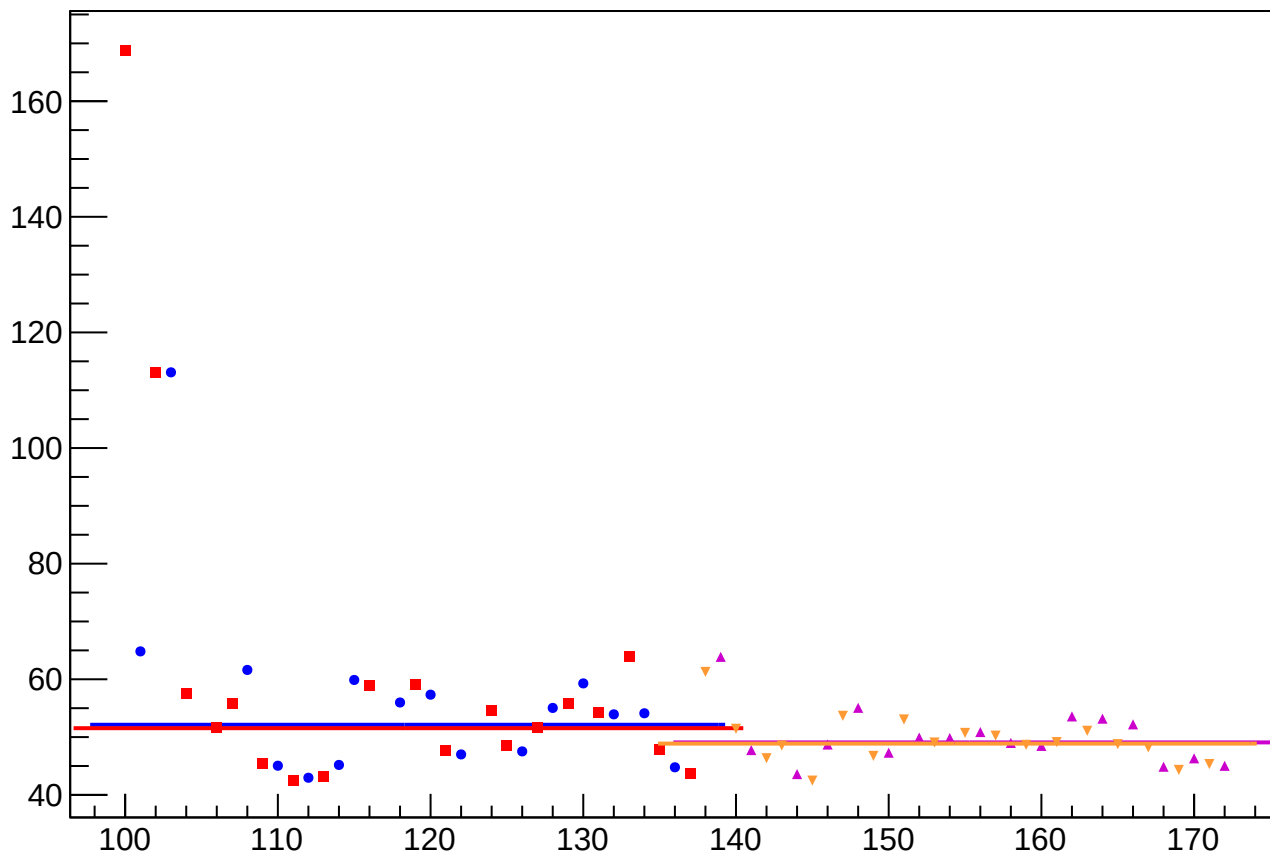
Left In: -55.884 ± 13.200 χ^2/NDF : 27.0/16

+ sign 27.862 ± 10.923 χ^2/NDF : 35.7/33

All: -12.938 ± 7.734 χ^2/NDF : 120.0/69

- sign -53.955 ± 10.952 χ^2/NDF : 56.3/35

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 48.874 $\pm$ 0.009 χ^2 /NDF: 165540.1/17

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

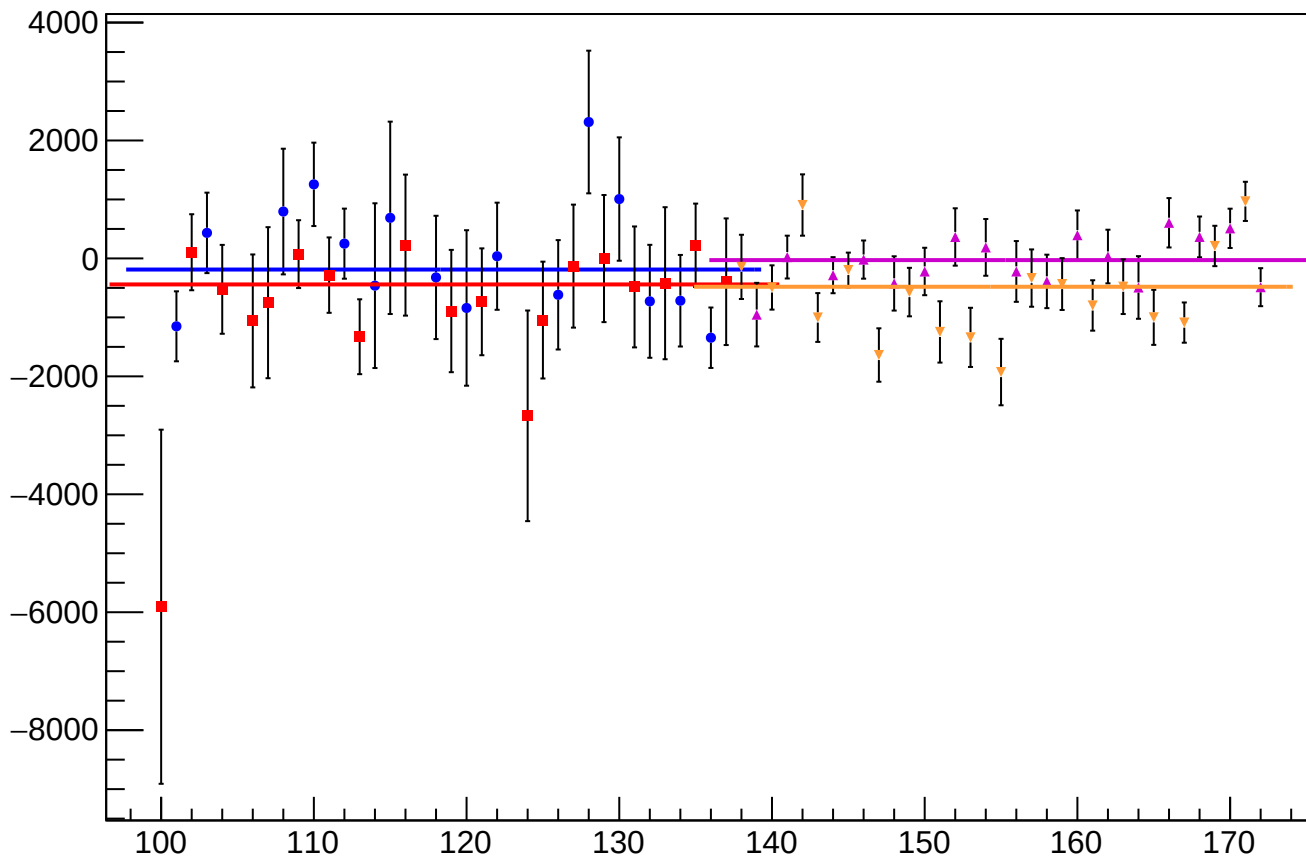
Left In: 49.082 $\pm$ 0.009 χ^2 /NDF: 201244.6/16

+ sign 49.845 $\pm$ 0.008 χ^2 /NDF: 765632.9/33

All: 49.846 $\pm$ 0.005 χ^2 /NDF: 1628265.5/69

- sign 49.847 $\pm$ 0.008 χ^2 /NDF: 862632.5/35

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

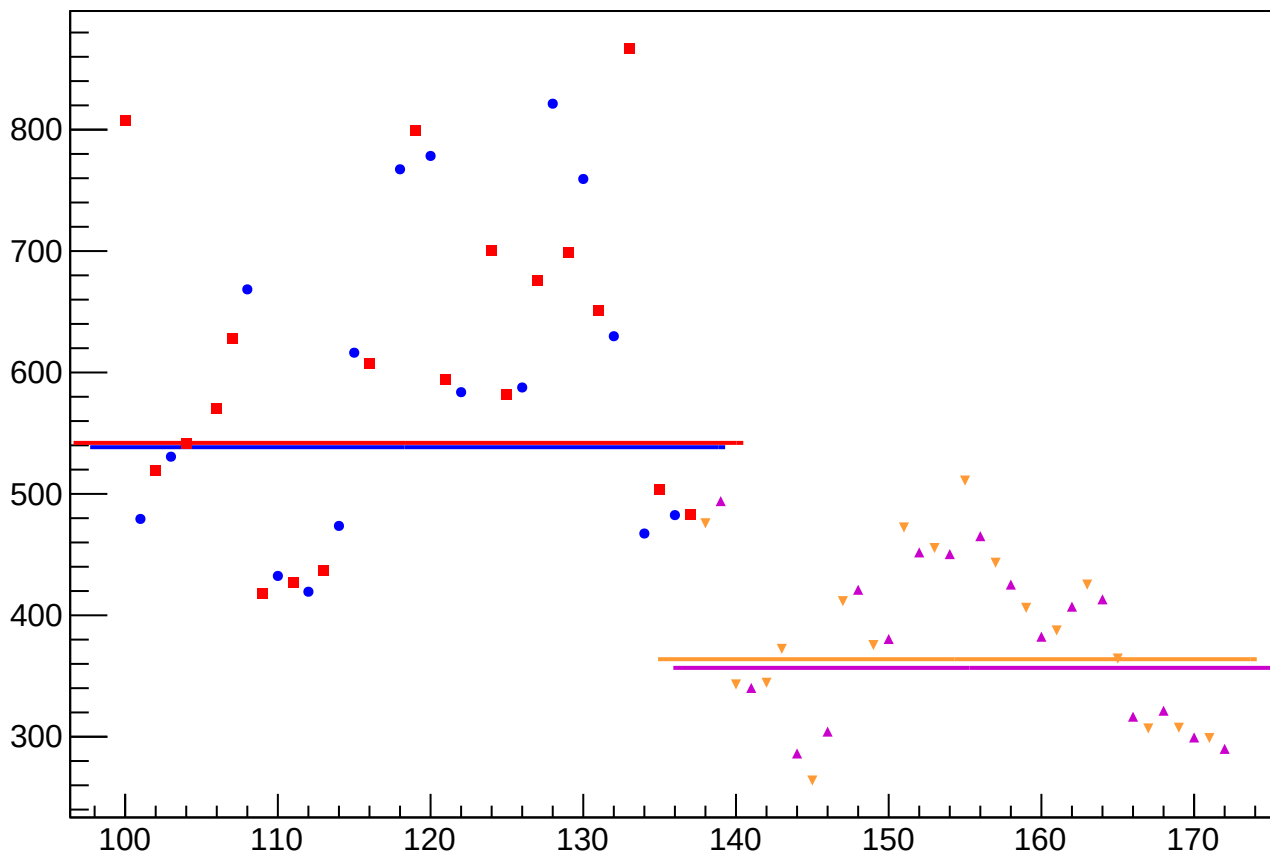
Left In: -28.569 ± 97.073 χ^2/NDF : 16.3/16

+ sign -426.453 ± 88.718 χ^2/NDF : 79.4/33

All: -263.643 ± 62.357 χ^2/NDF : 116.6/69

- sign -104.679 ± 87.664 χ^2/NDF : 30.5/35

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

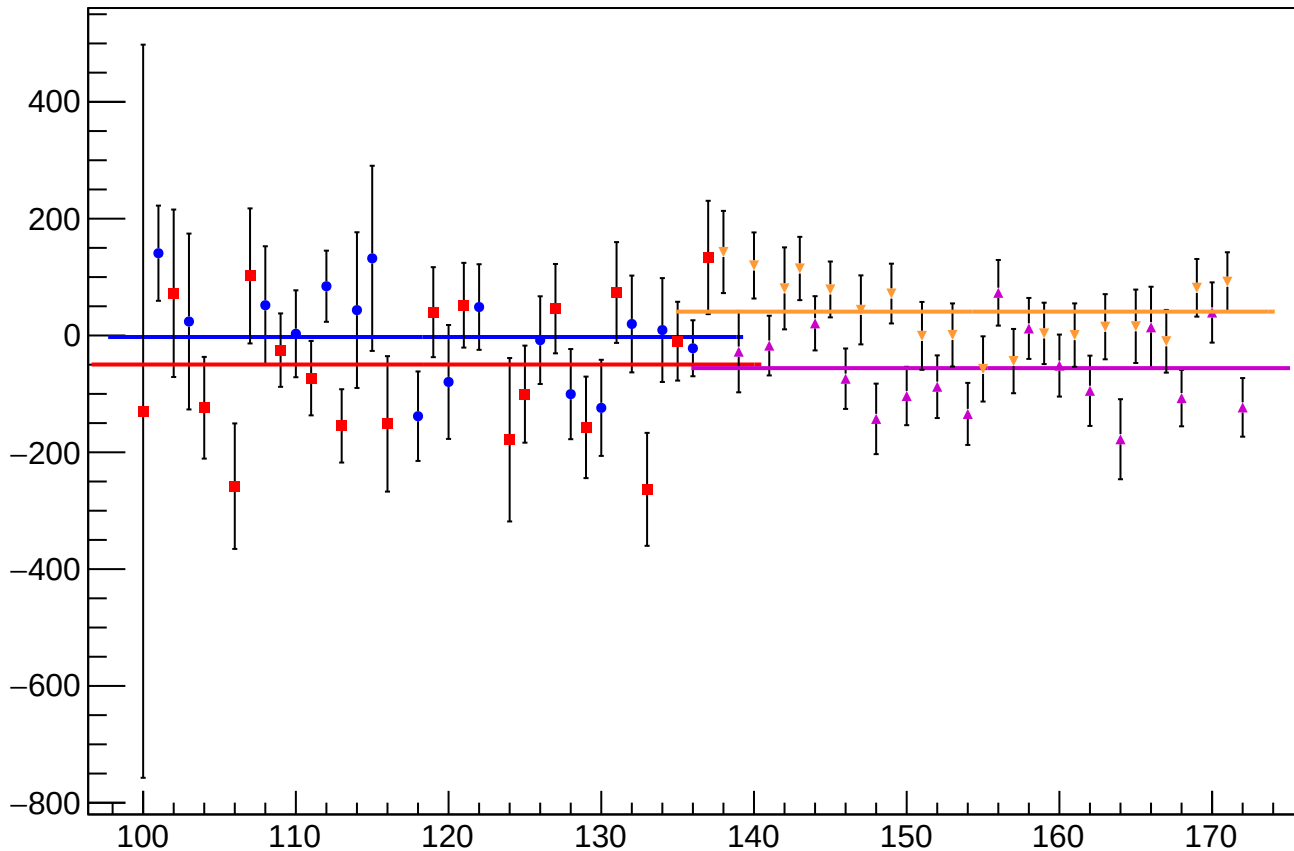
Left In: 356.724+/-0.069 χ^2/NDF : 864456.3/16

+ sign 396.314+/-0.063 χ^2/NDF : 2723779.4/33

All: 393.578+/-0.044 χ^2/NDF : 5567857.4/69

- sign 390.906+/-0.062 χ^2/NDF : 2840316.9/35

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

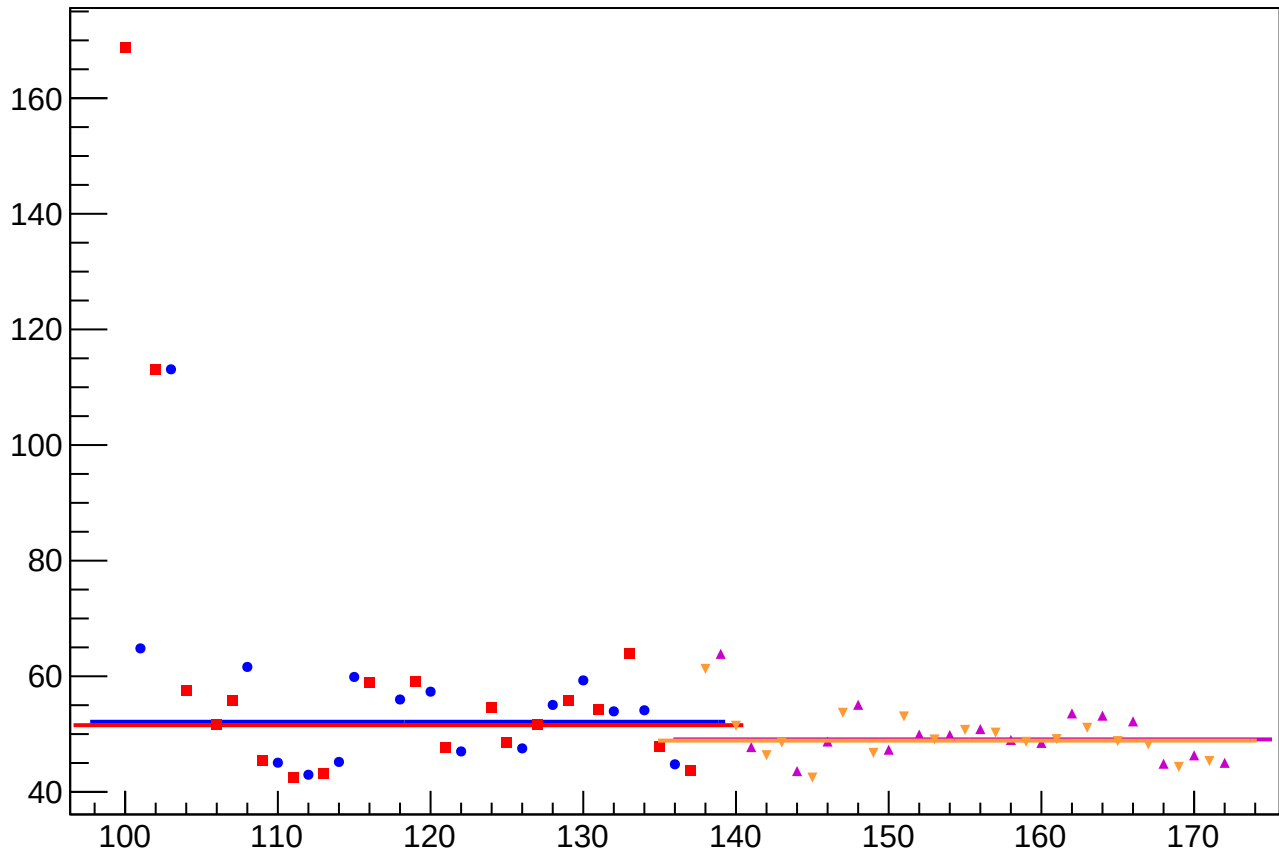
Left In: -55.884 ± 13.200 χ^2/NDF : 27.0/16

+ sign 27.862 ± 10.923 χ^2/NDF : 35.7/33

All: -12.938 ± 7.734 χ^2/NDF : 120.0/69

- sign -53.955 ± 10.952 χ^2/NDF : 56.3/35

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.128 $\pm$ 0.014 χ^2 /NDF: 562920.3/15

Left Out: 48.874 $\pm$ 0.009 χ^2 /NDF: 165540.1/17

Right Out: 51.540 $\pm$ 0.014 χ^2 /NDF: 639784.7/18

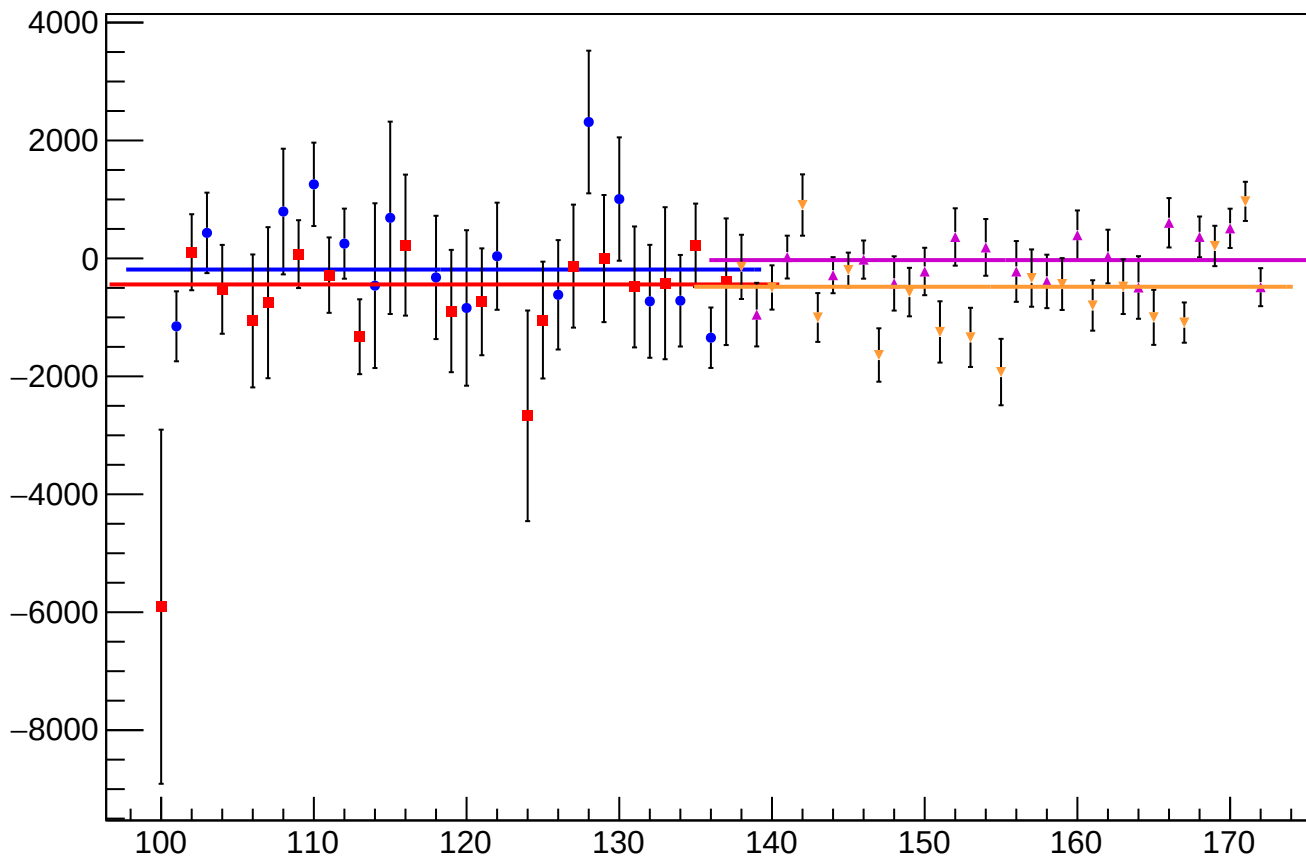
Left In: 49.082 $\pm$ 0.009 χ^2 /NDF: 201244.6/16

+ sign 49.845 $\pm$ 0.008 χ^2 /NDF: 765632.9/33

All: 49.846 $\pm$ 0.005 χ^2 /NDF: 1628265.5/69

- sign 49.847 $\pm$ 0.008 χ^2 /NDF: 862632.5/35

asym_sam_1357_avg_eigen_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

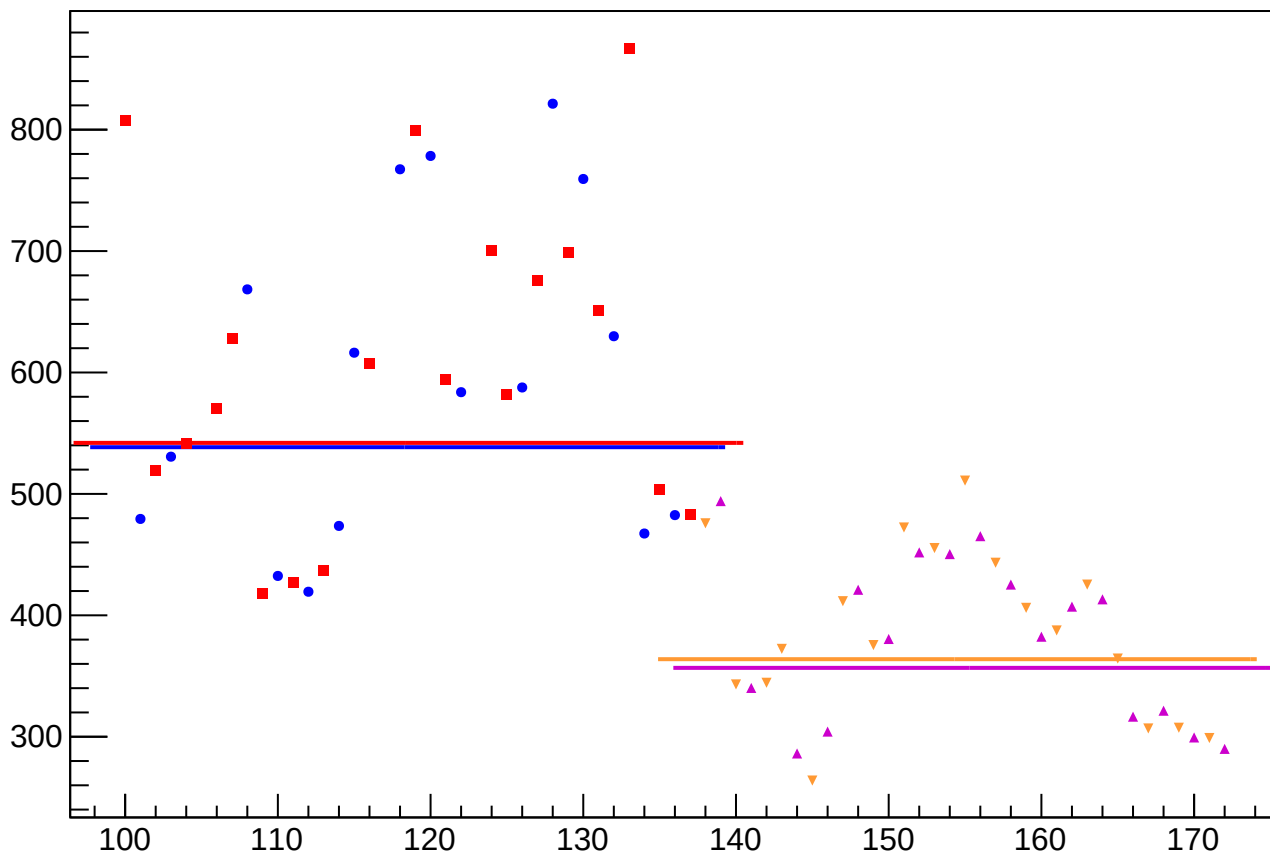
Left In: -28.569 ± 97.073 χ^2/NDF : 16.3/16

+ sign -426.453 ± 88.718 χ^2/NDF : 79.4/33

All: -263.643 ± 62.357 χ^2/NDF : 116.6/69

- sign -104.679 ± 87.664 χ^2/NDF : 30.5/35

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 538.473 $\pm$ 0.146 χ^2 /NDF: 613991.3/15

Left Out: 363.871 $\pm$ 0.070 χ^2 /NDF: 937841.7/17

Right Out: 542.025 $\pm$ 0.144 χ^2 /NDF: 631559.6/18

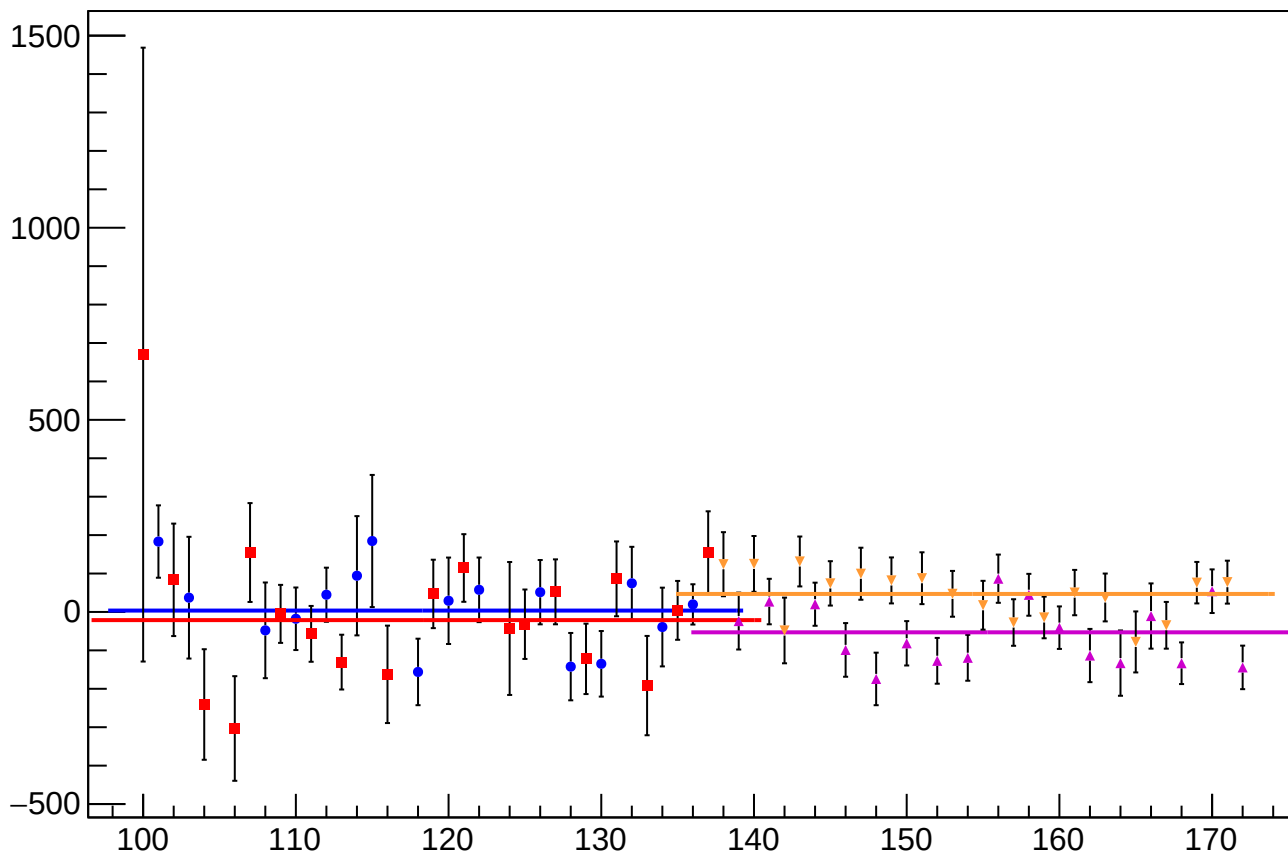
Left In: 356.724 $\pm$ 0.069 χ^2 /NDF: 864456.3/16

+ sign 396.314 $\pm$ 0.063 χ^2 /NDF: 2723779.4/33

All: 393.578 $\pm$ 0.044 χ^2 /NDF: 5567857.4/69

- sign 390.906 $\pm$ 0.062 χ^2 /NDF: 2840316.9/35

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

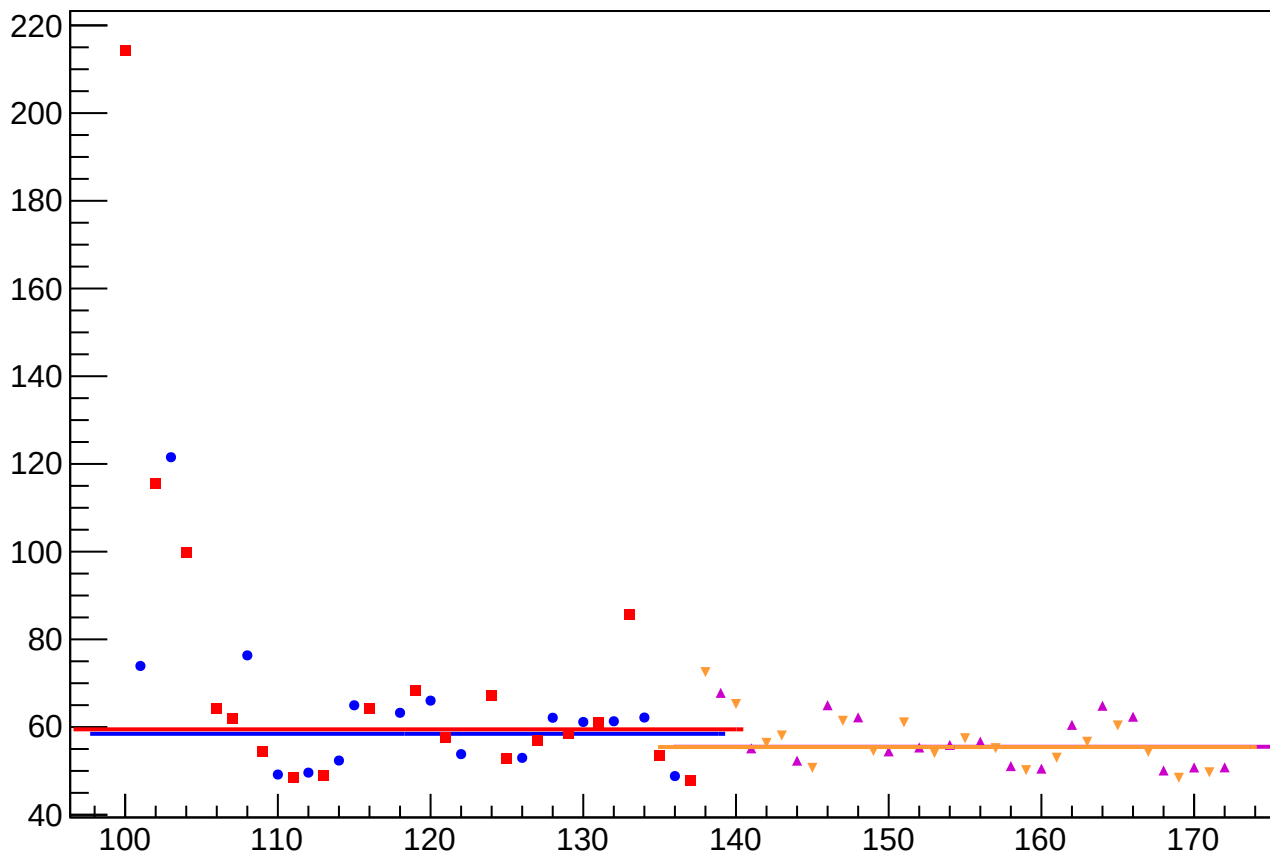
Left In: -53.021 ± 15.024 χ^2/NDF : 28.7/16

+ sign 33.655 ± 12.420 χ^2/NDF : 33.1/33

All: -4.493 ± 8.824 χ^2/NDF : 106.7/69

- sign -43.384 ± 12.540 χ^2/NDF : 54.5/35

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

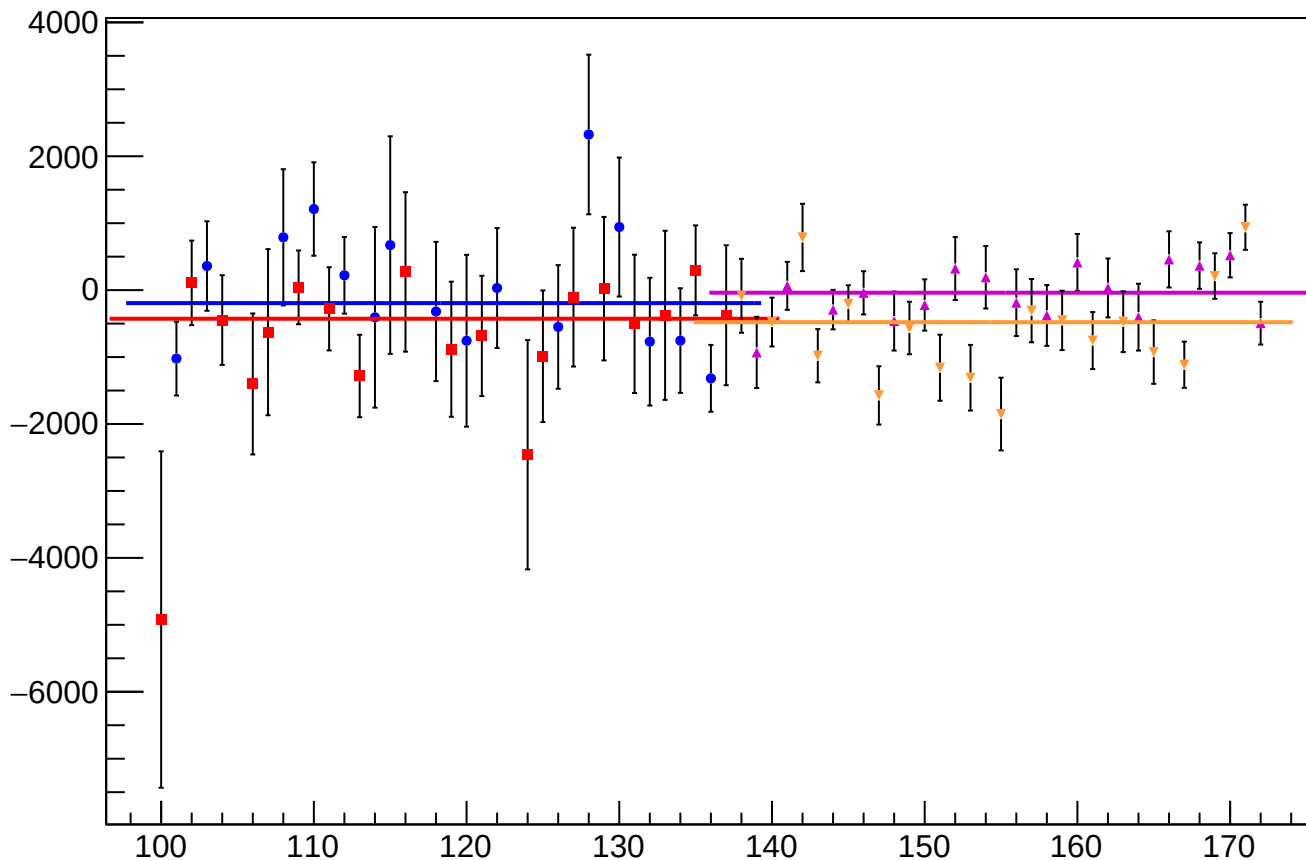
Left In: 55.507 ± 0.011 χ^2/NDF : 243205.9/16

+ sign 56.370 ± 0.009 χ^2/NDF : 864615.7/33

All: 56.540 ± 0.006 χ^2/NDF : 1935961.5/69

- sign 56.714 ± 0.009 χ^2/NDF : 1070588.7/35

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.899 $\pm$ 200.604 χ^2/NDF : 20.8/15

Left Out: -479.267 $\pm$ 96.361 χ^2/NDF : 53.5/17

Right Out: -426.977 $\pm$ 197.005 χ^2/NDF : 11.3/18

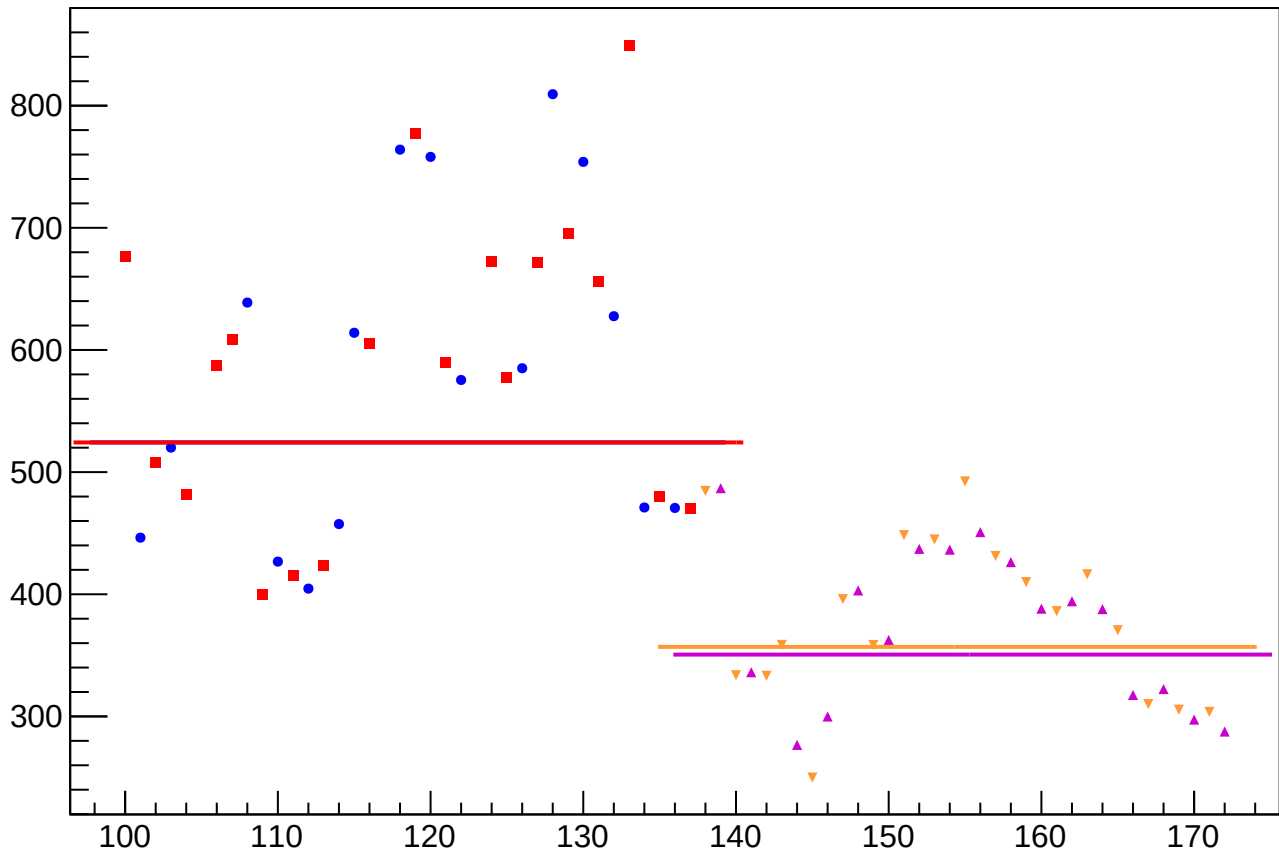
Left In: -38.567 $\pm$ 95.352 χ^2/NDF : 15.6/16

+ sign -425.765 $\pm$ 86.860 χ^2/NDF : 76.0/33

All: -267.153 $\pm$ 61.051 χ^2/NDF : 112.6/69

- sign -112.288 $\pm$ 85.828 χ^2/NDF : 30.1/35

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

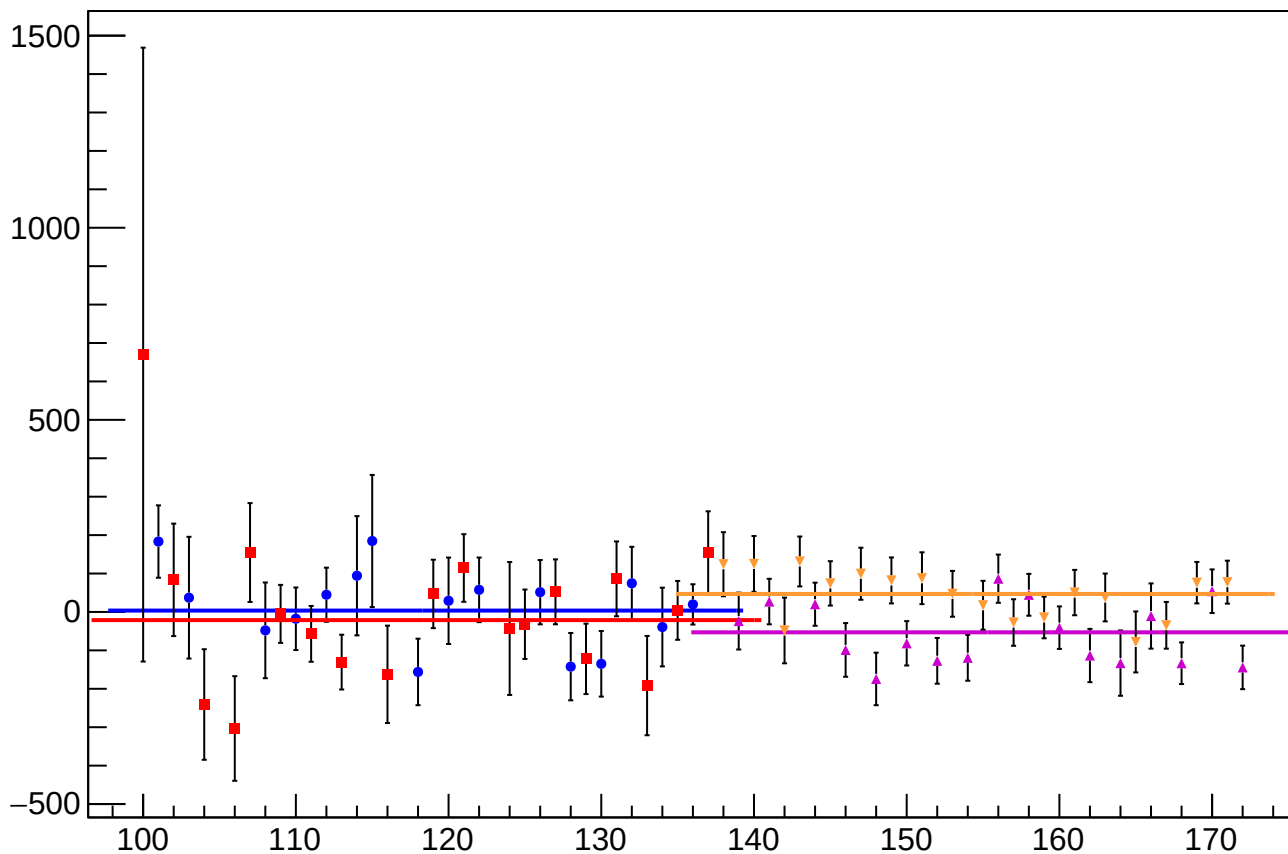
Left In: 350.621+/-0.067 χ^2/NDF : 813219.6/16

+ sign 388.325+/-0.061 χ^2/NDF : 2735267.9/33

All: 385.928+/-0.043 χ^2/NDF : 5497050.1/69

- sign 383.587+/-0.061 χ^2/NDF : 2758770.5/35

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

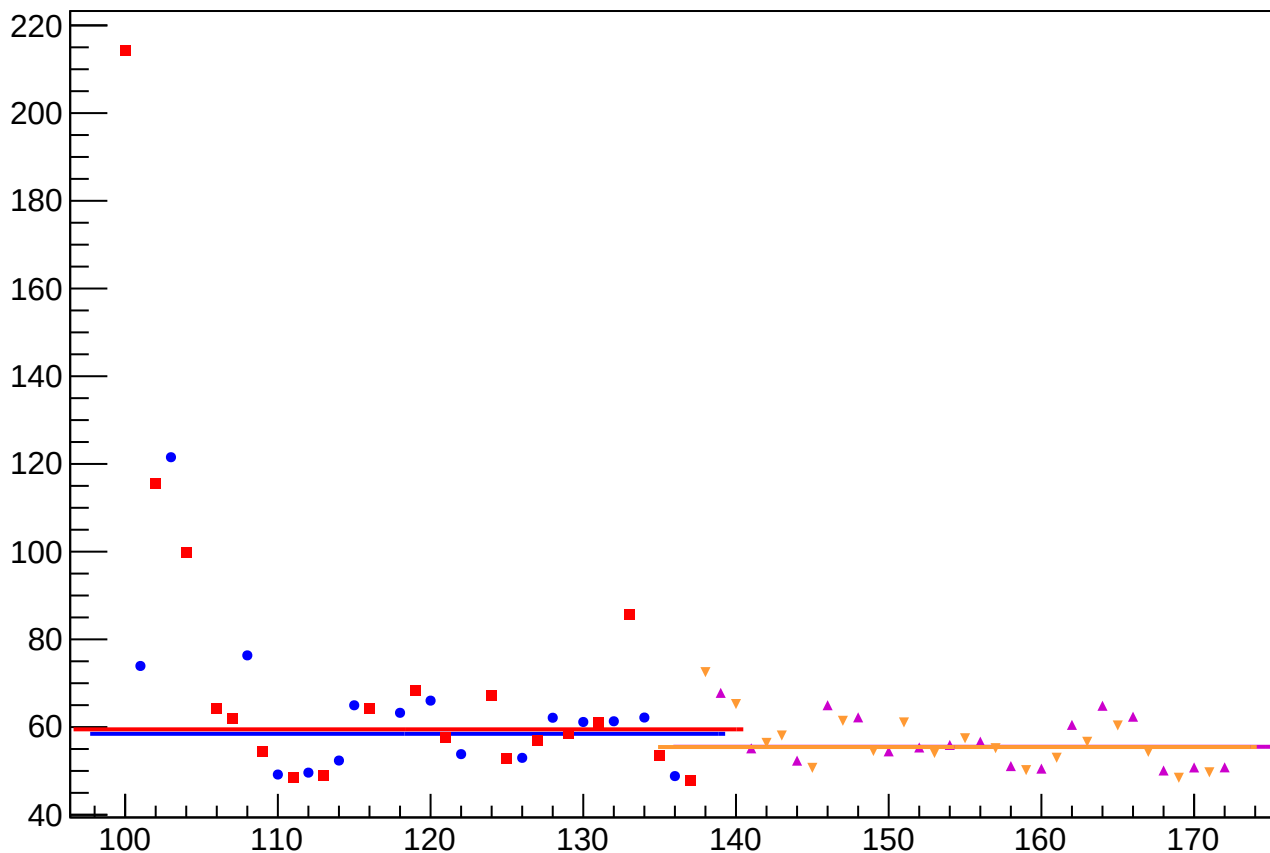
Left In: -53.021 ± 15.024 χ^2/NDF : 28.7/16

+ sign 33.655 ± 12.420 χ^2/NDF : 33.1/33

All: -4.492 ± 8.824 χ^2/NDF : 106.7/69

- sign -43.384 ± 12.540 χ^2/NDF : 54.5/35

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

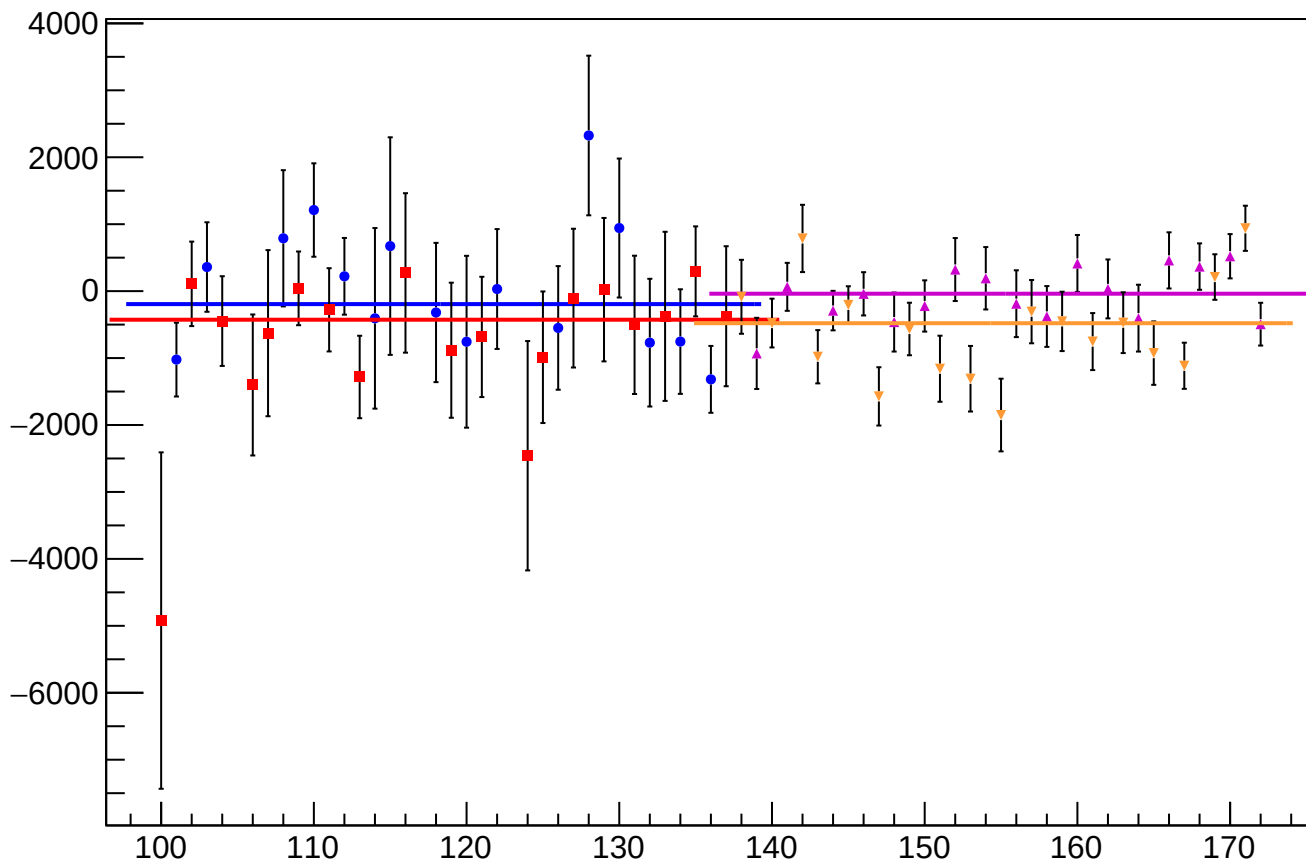
Left In: 55.508 ± 0.011 χ^2/NDF : 243208.0/16

+ sign 56.370 ± 0.009 χ^2/NDF : 864619.1/33

All: 56.540 ± 0.006 χ^2/NDF : 1935966.8/69

- sign 56.714 ± 0.009 χ^2/NDF : 1070590.5/35

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -193.899 $\pm$ 200.603 χ^2/NDF : 20.8/15

Left Out: -479.267 $\pm$ 96.361 χ^2/NDF : 53.5/17

Right Out: -426.976 $\pm$ 197.005 χ^2/NDF : 11.3/18

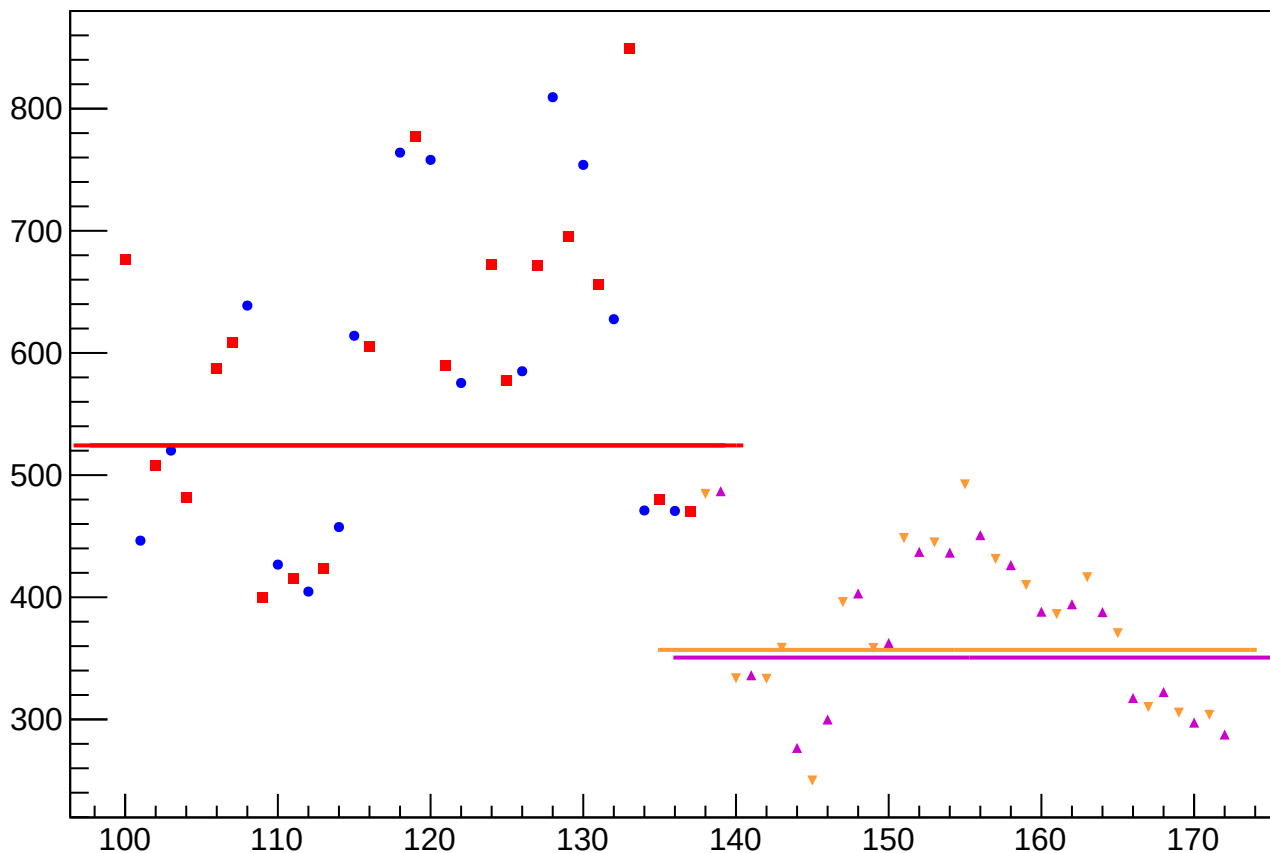
Left In: -38.566 $\pm$ 95.352 χ^2/NDF : 15.6/16

+ sign -425.765 $\pm$ 86.860 χ^2/NDF : 76.0/33

All: -267.152 $\pm$ 61.051 χ^2/NDF : 112.6/69

- sign -112.287 $\pm$ 85.827 χ^2/NDF : 30.1/35

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 524.325 $\pm$ 0.142 χ^2 /NDF: 658493.8/15

Left Out: 356.943 $\pm$ 0.068 χ^2 /NDF: 945403.8/17

Right Out: 524.305 $\pm$ 0.139 χ^2 /NDF: 686063.6/18

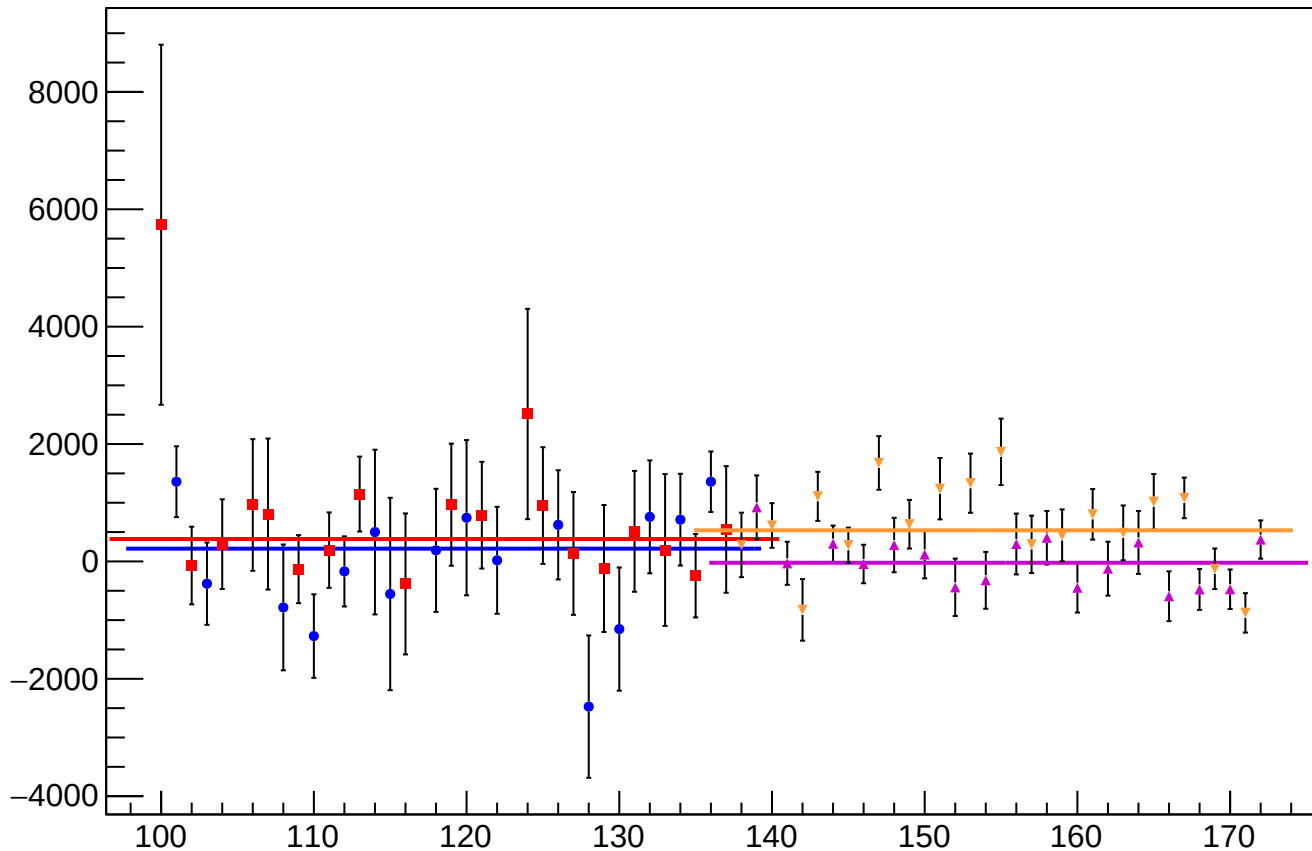
Left In: 350.621 $\pm$ 0.067 χ^2 /NDF: 813214.1/16

+ sign 388.325 $\pm$ 0.061 χ^2 /NDF: 2735263.9/33

All: 385.927 $\pm$ 0.043 χ^2 /NDF: 5497035.0/69

- sign 383.586 $\pm$ 0.061 χ^2 /NDF: 2758759.6/35

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

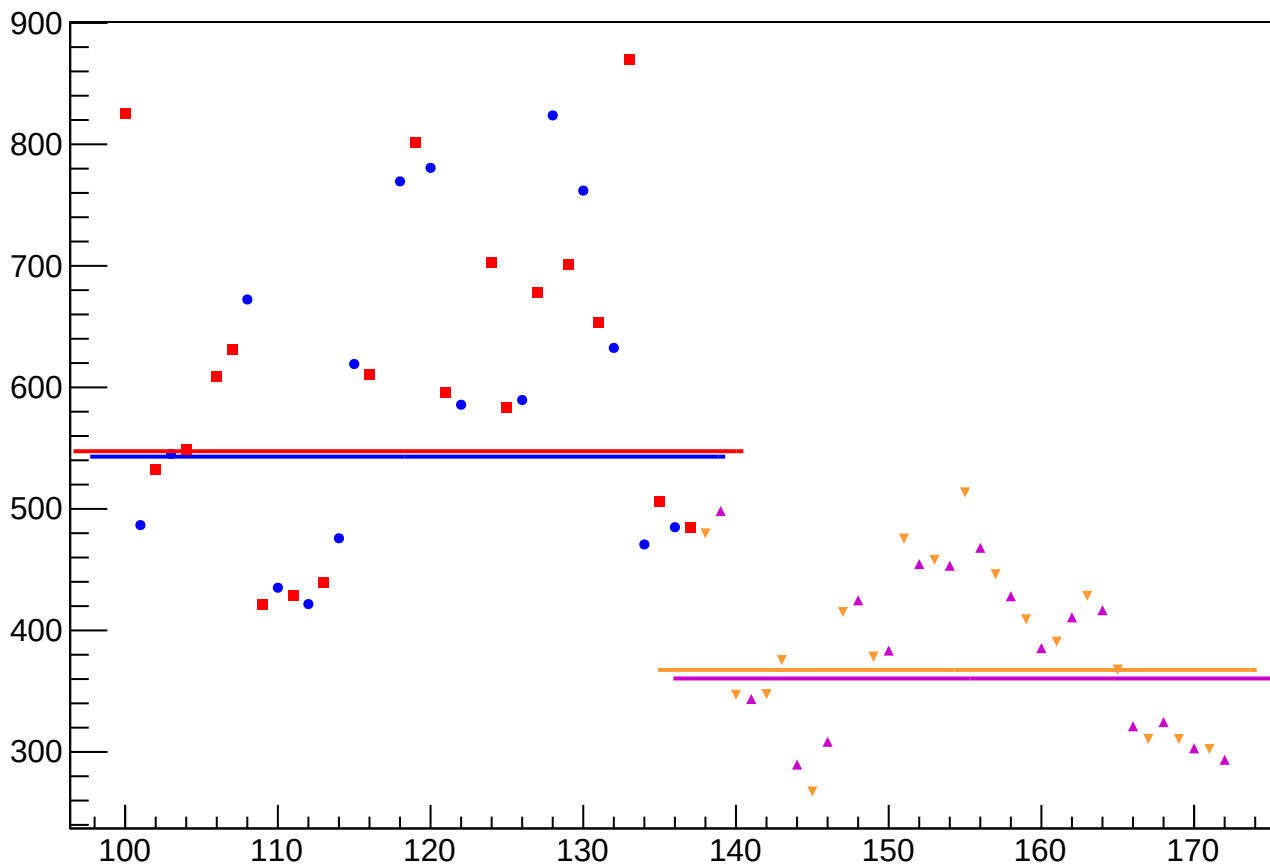
Left In: -22.857 ± 98.050 χ^2/NDF : 15.3/16

+ sign 472.268 ± 89.544 χ^2/NDF : 76.1/33

All: 259.739 ± 62.945 χ^2/NDF : 115.6/69

- sign 52.138 ± 88.500 χ^2/NDF : 28.4/35

asym_sam_1357_avg_rms vs Slug



Right In: 542.997 $\pm$ 0.147 χ^2 /NDF: 605250.7/15

Left Out: 367.505 $\pm$ 0.070 χ^2 /NDF:915502.1/17

Right Out: 547.465 $\pm$ 0.145 χ^2 /NDF: 630284.0/18

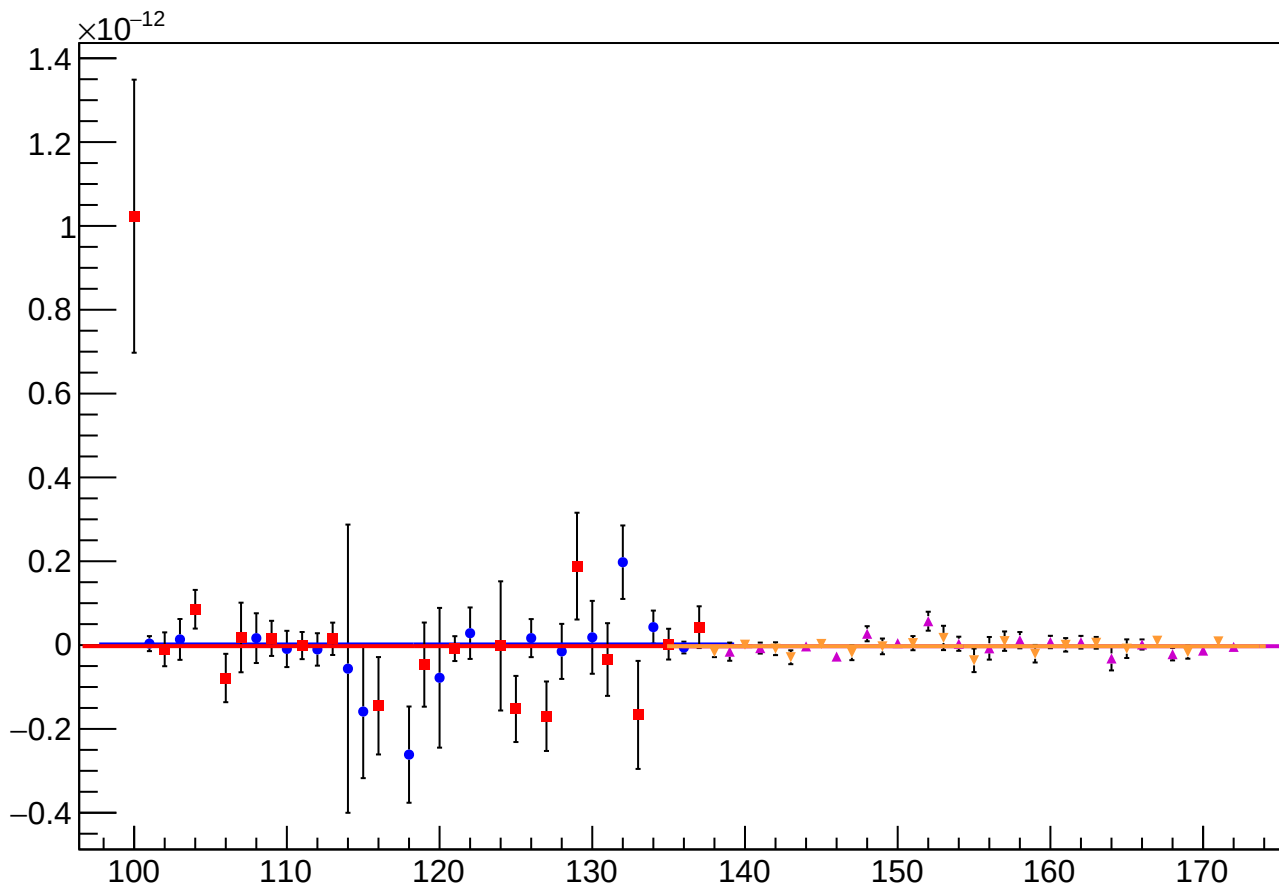
Left In: 360.463 $\pm$ 0.069 χ^2 /NDF:843643.2/16

+ sign 400.188 $\pm$ 0.063 χ^2 /NDF: 2684995.4/33

All: 397.623 $\pm$ 0.045 χ^2 /NDF: 5510282.7/69

- sign 395.117 $\pm$ 0.063 χ^2 /NDF: 2822042.2/35

asym_sam_1357_avg_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 : 11.7/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.1/18

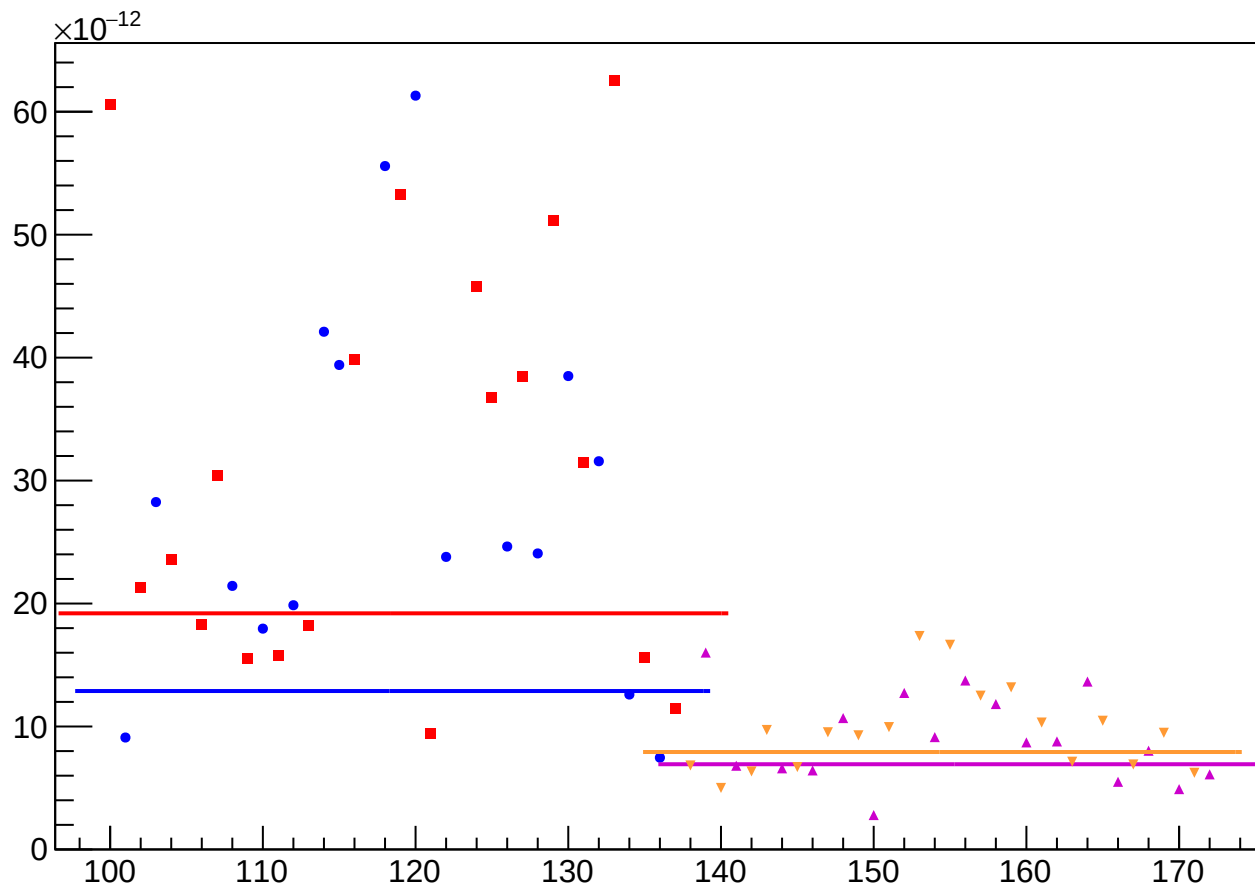
Left In: -0.000 ± 0.000 χ^2/NDF : 21.2/16

+ sign -0.000 ± 0.000 χ^2/NDF : 25.5/33

All: -0.000 ± 0.000 χ^2/NDF : 76.8/69

- sign -0.000 ± 0.000 χ^2/NDF : 51.2/35

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1116666.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1367620.8/18

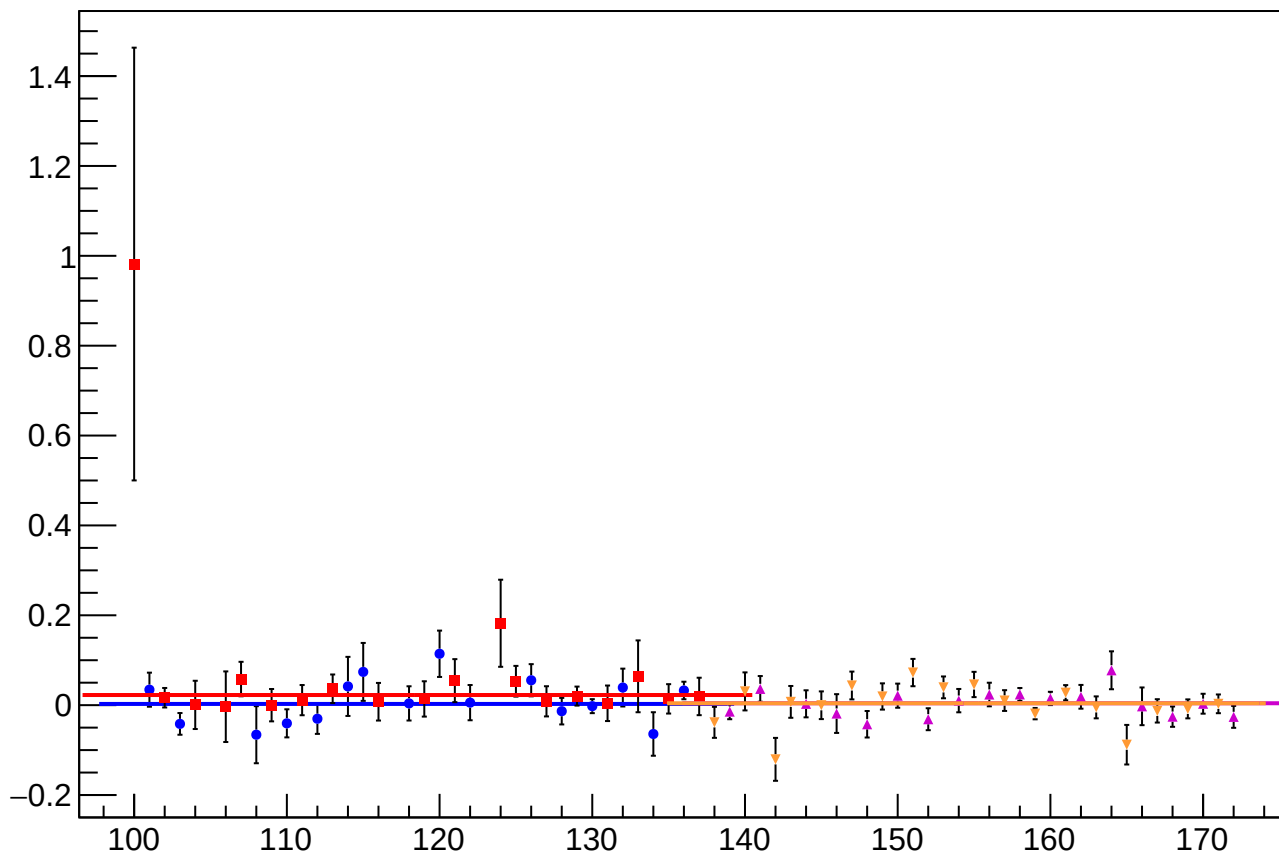
Left In: 0.000+/-0.000 χ^2/NDF : 1649109.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 3395086.0/33

All: 0.000+/-0.000 χ^2/NDF : 8373083.4/69

- sign 0.000+/-0.000 χ^2/NDF : 4920322.4/35

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: 0.004 $\pm$ 0.006 χ^2 /NDF:30.7/17

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

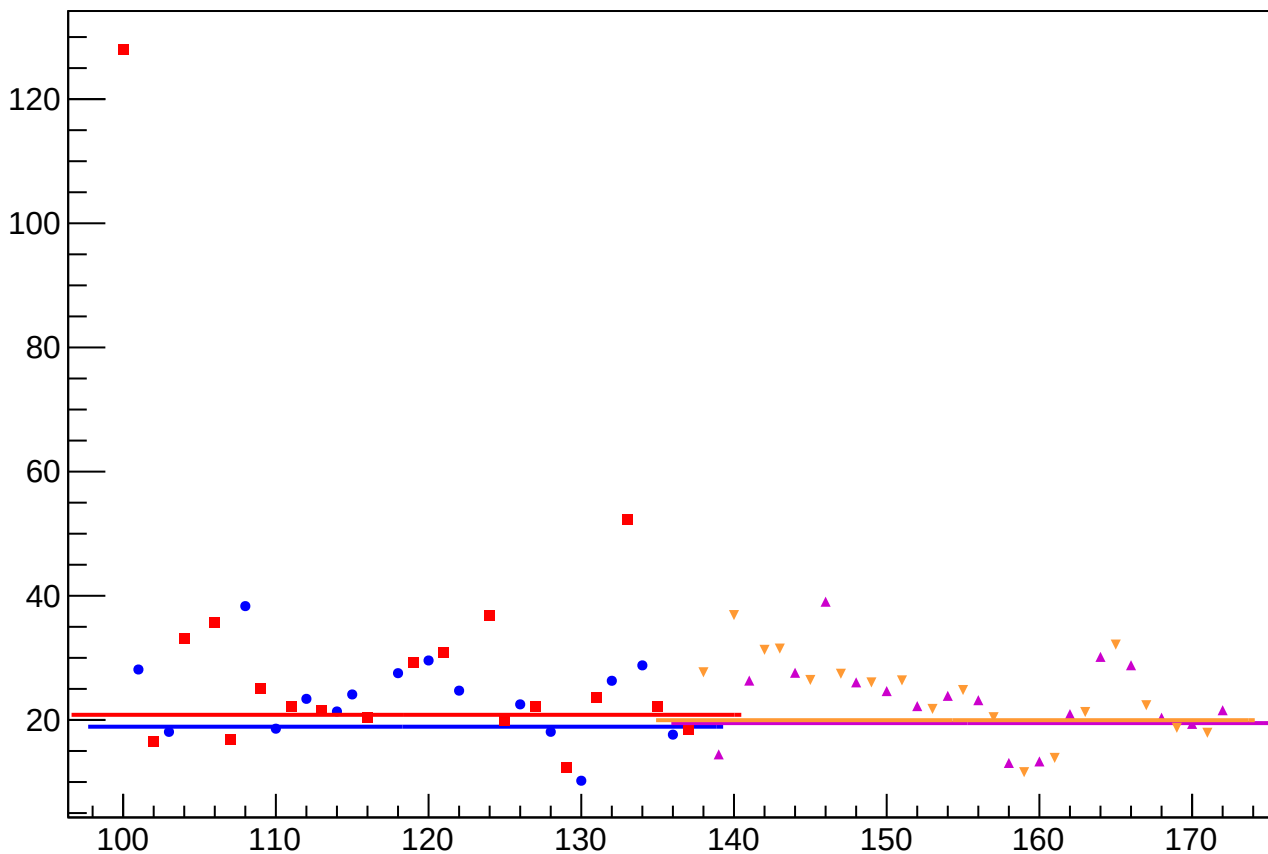
Left In: 0.004 $\pm$ 0.006 χ^2 /NDF:17.4/16

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.6/33

All: 0.007 $\pm$ 0.003 χ^2 /NDF: 85.0/69

- sign 0.010 $\pm$ 0.005 χ^2 /NDF: 31.4/35

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.911 ± 0.006 $\chi^2/\text{NDF}: 1390349.2/15$

Left Out: 19.959 ± 0.004 $\chi^2/\text{NDF}: 2533672.6/17$

Right Out: 20.826 ± 0.006 $\chi^2/\text{NDF}: 1291541.1/18$

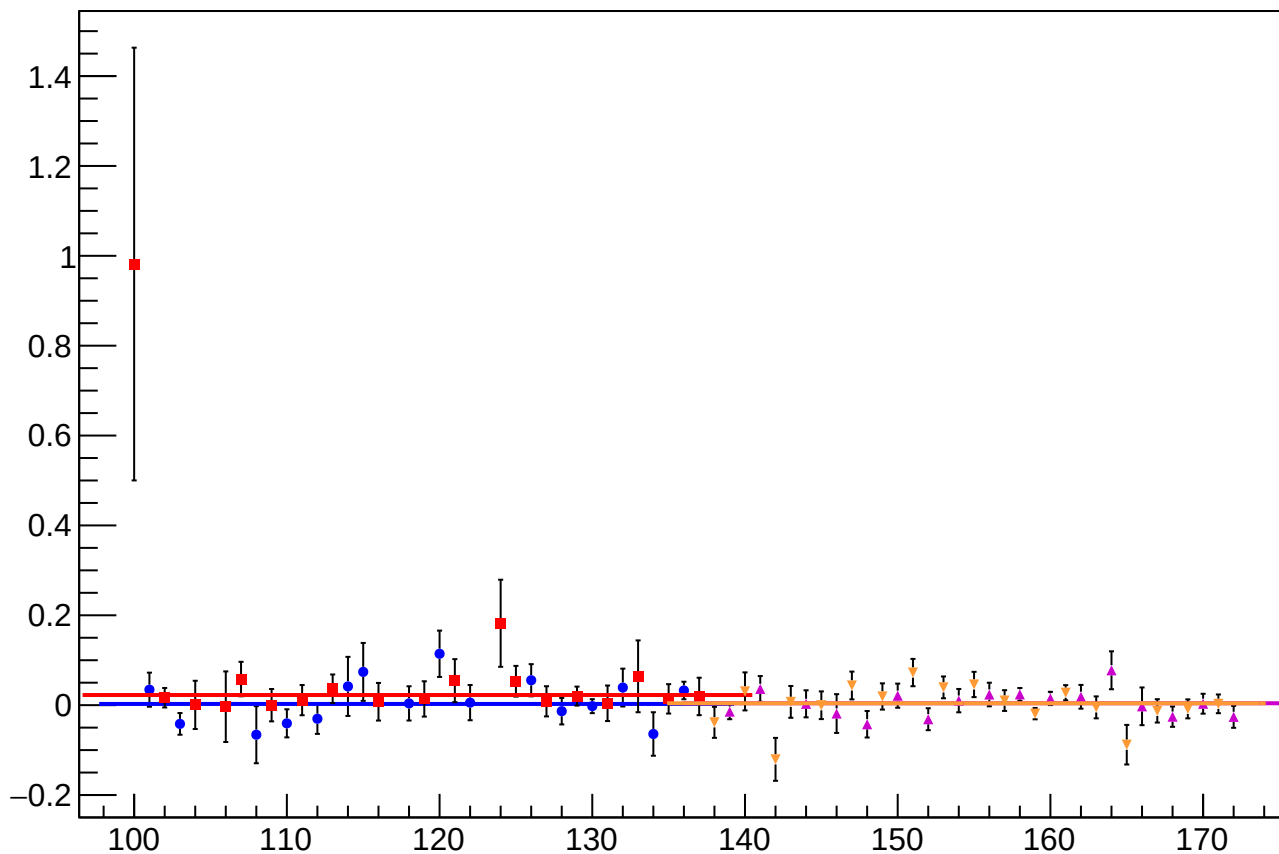
Left In: 19.489 ± 0.004 $\chi^2/\text{NDF}: 2146429.5/16$

+ sign 19.587 ± 0.003 $\chi^2/\text{NDF}: 3947261.5/33$

All: 19.743 ± 0.002 $\chi^2/\text{NDF}: 7424394.2/69$

- sign 19.903 ± 0.003 $\chi^2/\text{NDF}: 3472549.6/35$

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: 0.004 $\pm$ 0.006 χ^2 /NDF:30.7/17

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

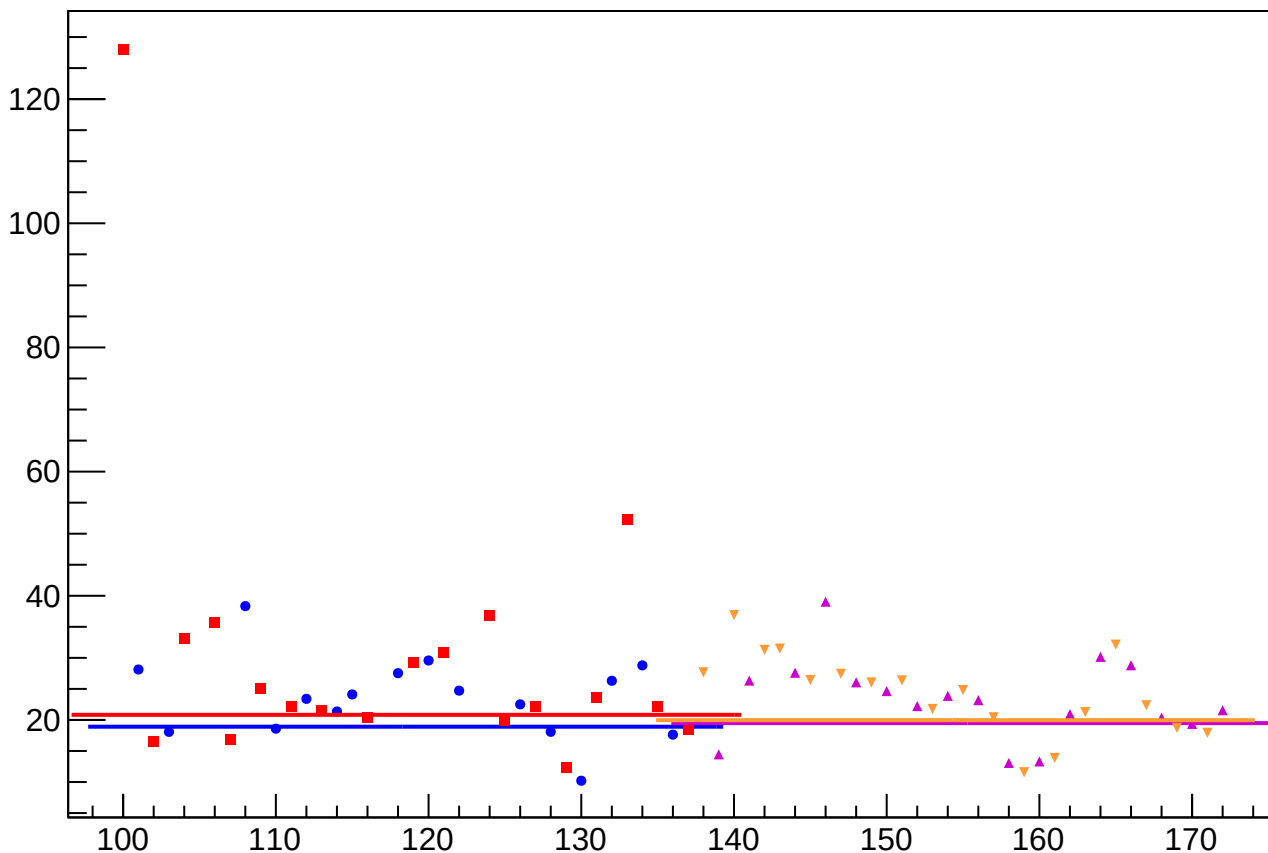
Left In: 0.004 $\pm$ 0.006 χ^2 /NDF:17.4/16

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.6/33

All: 0.007 $\pm$ 0.003 χ^2 /NDF: 85.0/69

- sign 0.010 $\pm$ 0.005 χ^2 /NDF: 31.4/35

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.911 $\pm$ 0.006 χ^2 /NDF: 1390349.2/15

Left Out: 19.959 $\pm$ 0.004 χ^2 /NDF: 2533672.6/17

Right Out: 20.826 $\pm$ 0.006 χ^2 /NDF: 1291541.1/18

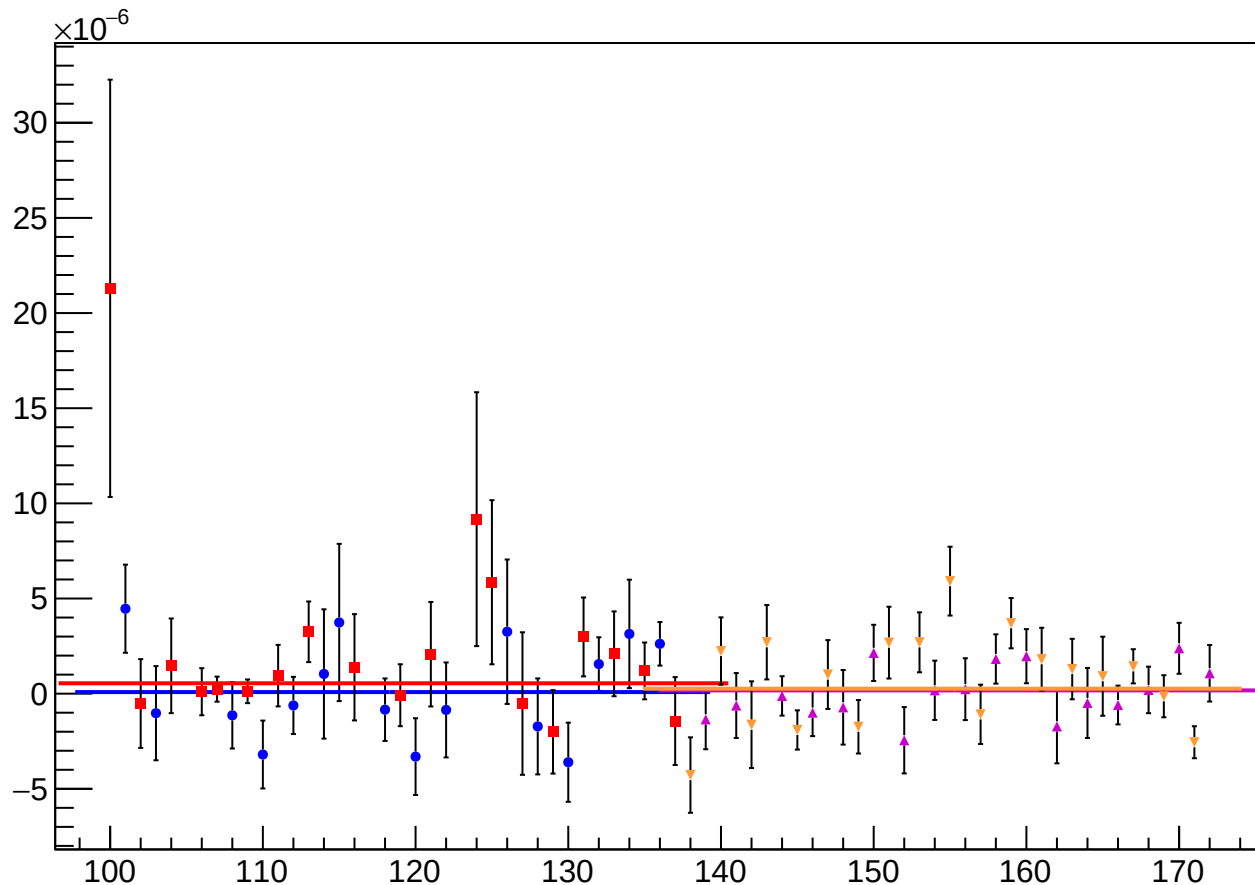
Left In: 19.489 $\pm$ 0.004 χ^2 /NDF: 2146429.5/16

+ sign 19.587 $\pm$ 0.003 χ^2 /NDF: 3947261.5/33

All: 19.743 $\pm$ 0.002 χ^2 /NDF: 7424394.2/69

- sign 19.903 $\pm$ 0.003 χ^2 /NDF: 3472549.6/35

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

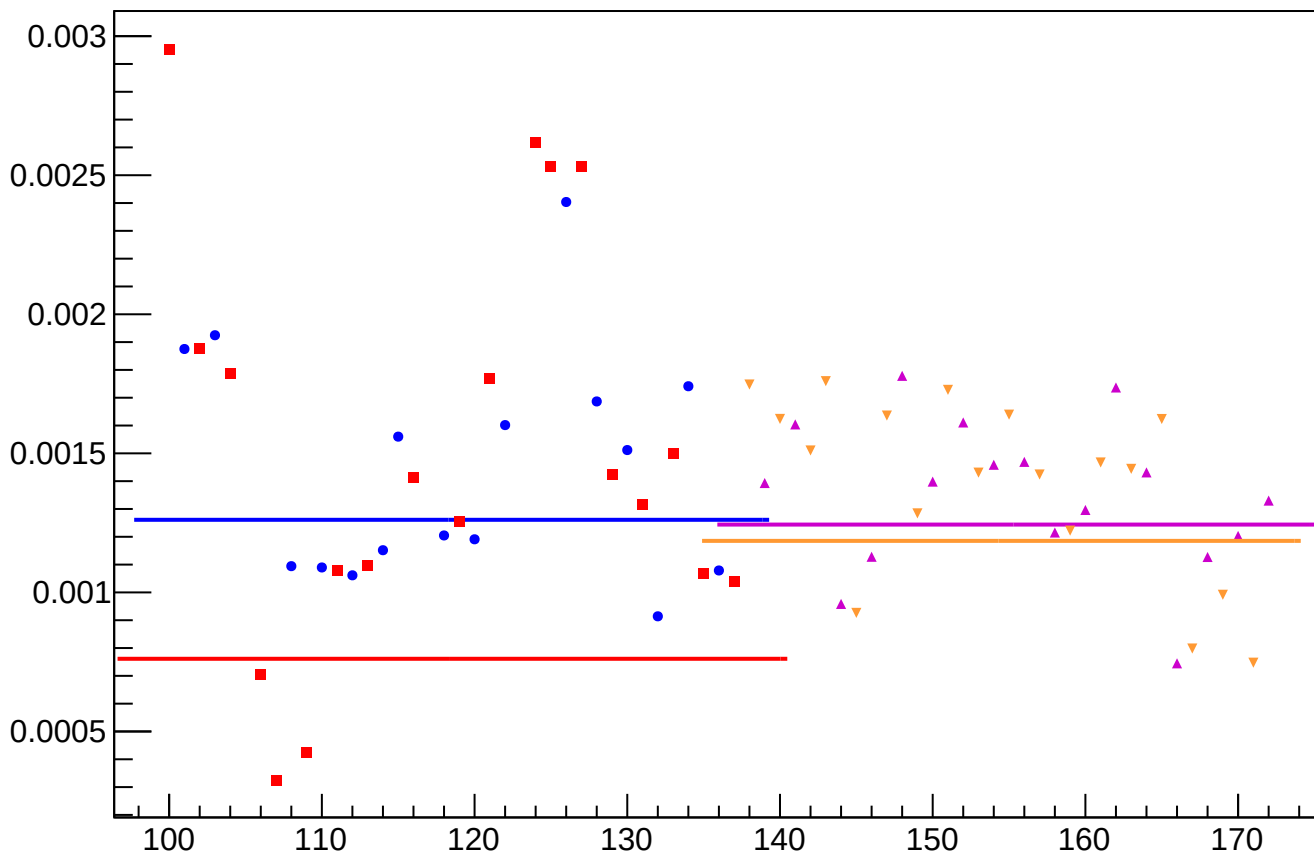
Left In: 0.000+/-0.000 χ^2/NDF : 14.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 74.8/33

All: 0.000+/-0.000 χ^2/NDF : 105.5/69

- sign 0.000+/-0.000 χ^2/NDF : 30.6/35

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF : 2321801.8/17

Right Out: 0.001+/-0.000 χ^2/NDF : 4672607.8/18

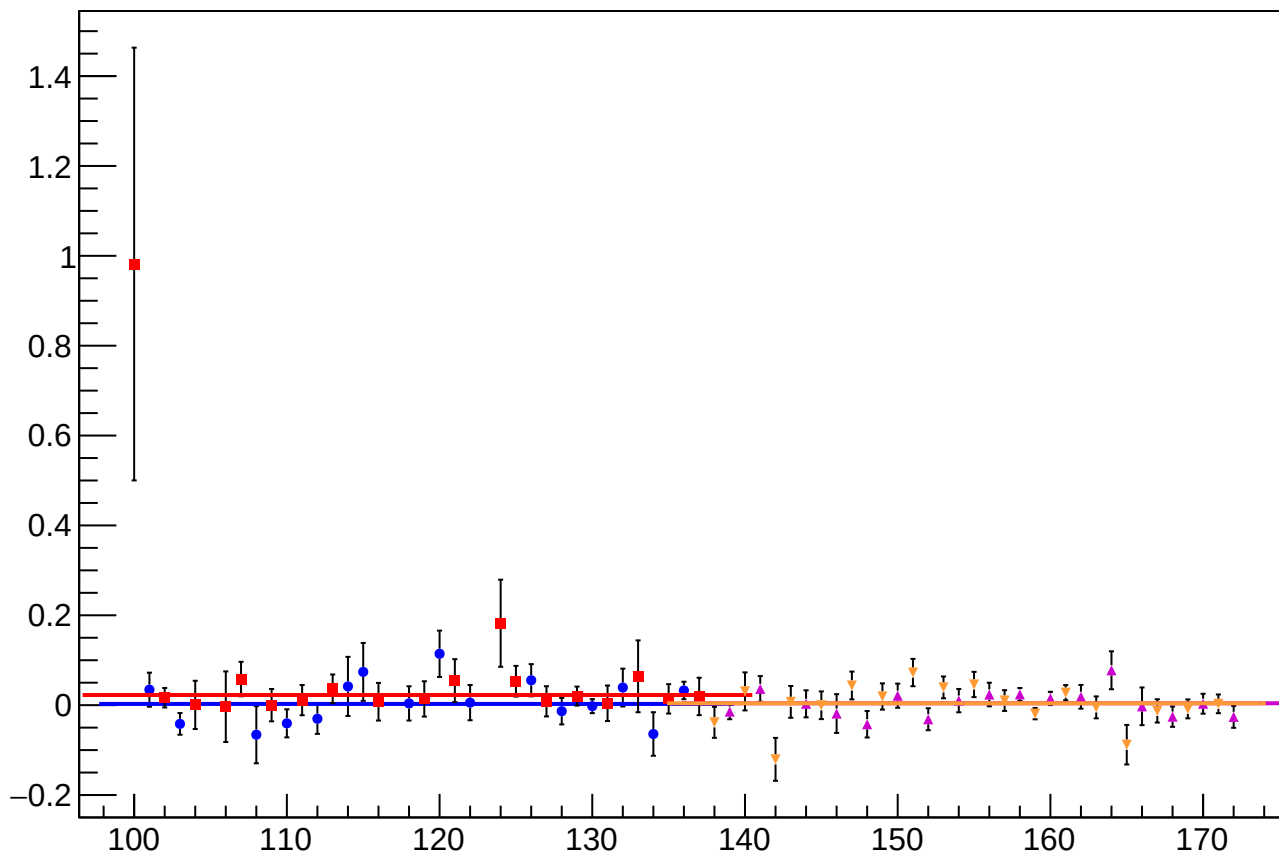
Left In: 0.001+/-0.000 χ^2/NDF : 1273088.3/16

+ sign 0.001+/-0.000 χ^2/NDF : 3262303.9/33

All: 0.001+/-0.000 χ^2/NDF : 11877087.6/69

- sign 0.001+/-0.000 χ^2/NDF : 7949046.4/35

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 22.0/15

Left Out: 0.004 $\pm$ 0.006 χ^2 /NDF:30.7/17

Right Out: 0.023 $\pm$ 0.008 χ^2 /NDF: 10.8/18

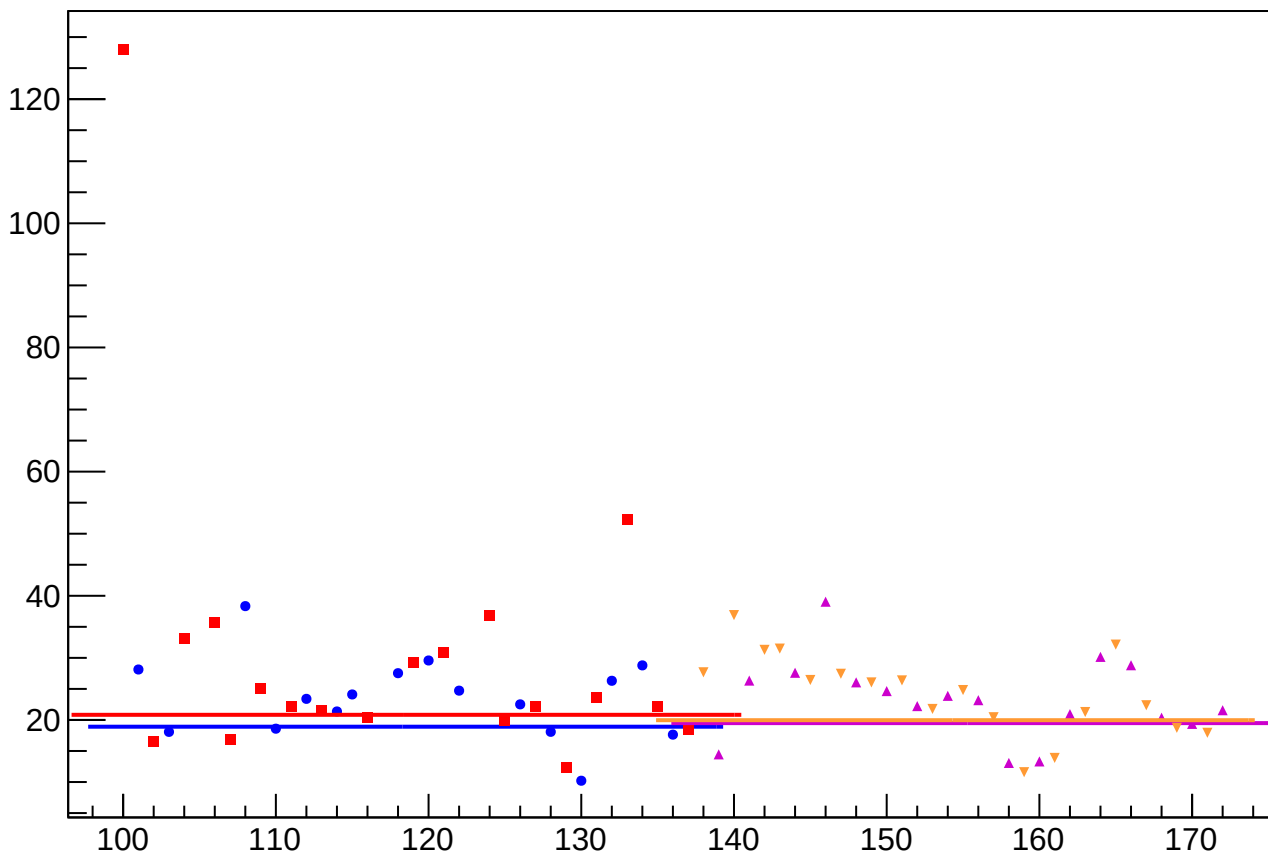
Left In: 0.004 $\pm$ 0.006 χ^2 /NDF:17.4/16

+ sign 0.004 $\pm$ 0.005 χ^2 /NDF: 52.6/33

All: 0.007 $\pm$ 0.003 χ^2 /NDF: 85.0/69

- sign 0.010 $\pm$ 0.005 χ^2 /NDF: 31.4/35

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.912 $\pm$ 0.006 χ^2 /NDF: 1390233.4/15

Left Out: 19.959 $\pm$ 0.004 χ^2 /NDF: 2533872.3/17

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

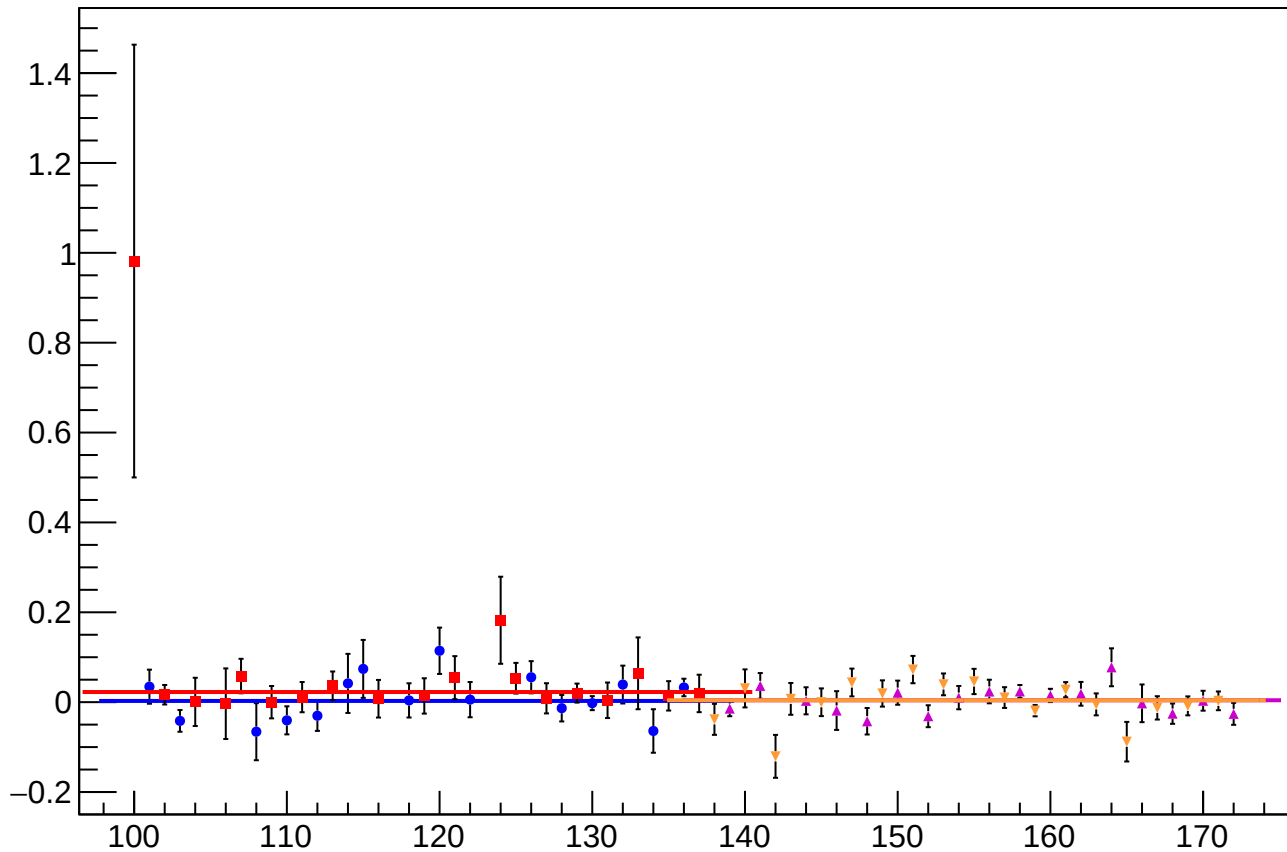
Left In: 19.490 $\pm$ 0.004 χ^2 /NDF: 2146528.5/16

+ sign 19.587 $\pm$ 0.003 χ^2 /NDF: 3947328.3/33

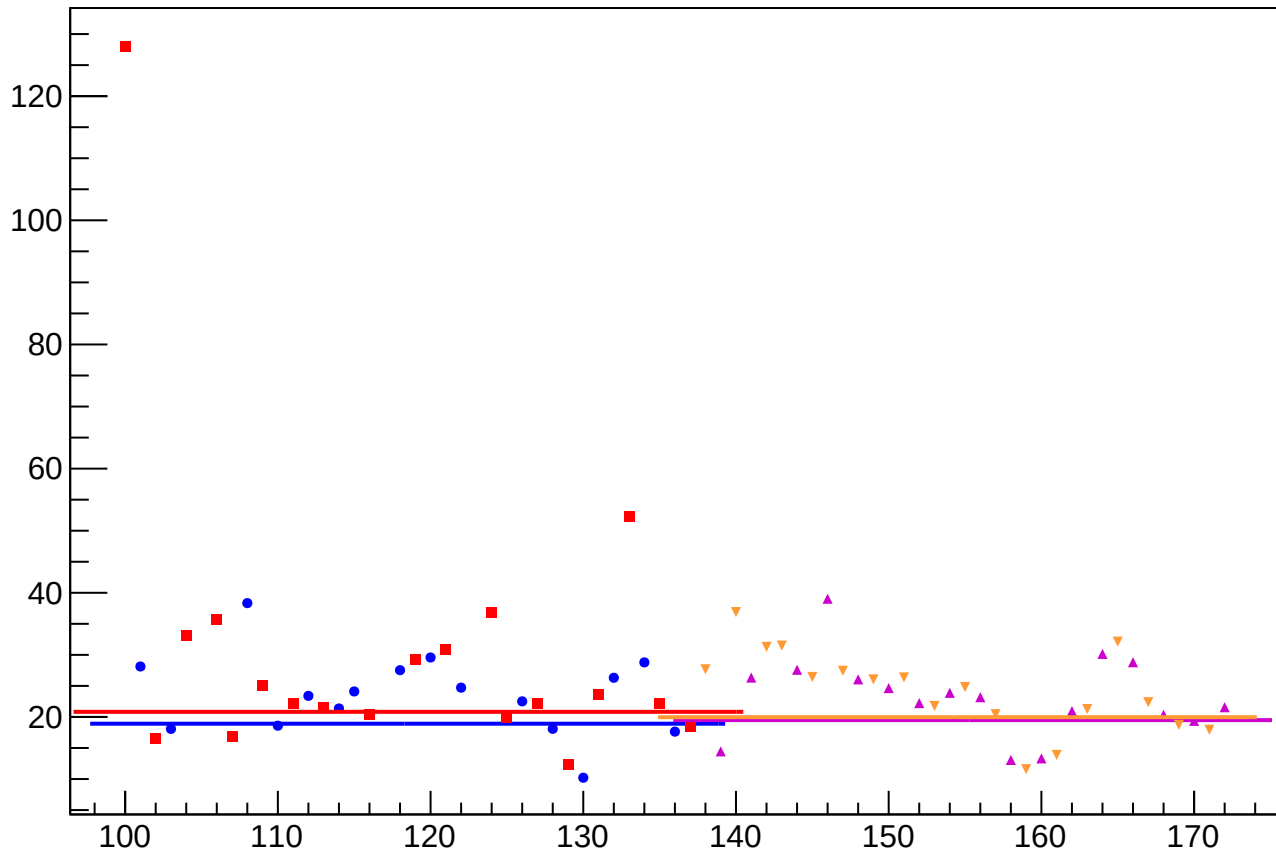
All: 19.744 $\pm$ 0.002 χ^2 /NDF: 7424557.0/69

- sign 19.904 $\pm$ 0.003 χ^2 /NDF: 3472644.6/35

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.912 $\pm$ 0.006 χ^2 /NDF: 1390233.4/15

Left Out: 19.959 $\pm$ 0.004 χ^2 /NDF: 2533872.3/17

Right Out: 20.827 $\pm$ 0.006 χ^2 /NDF: 1291537.3/18

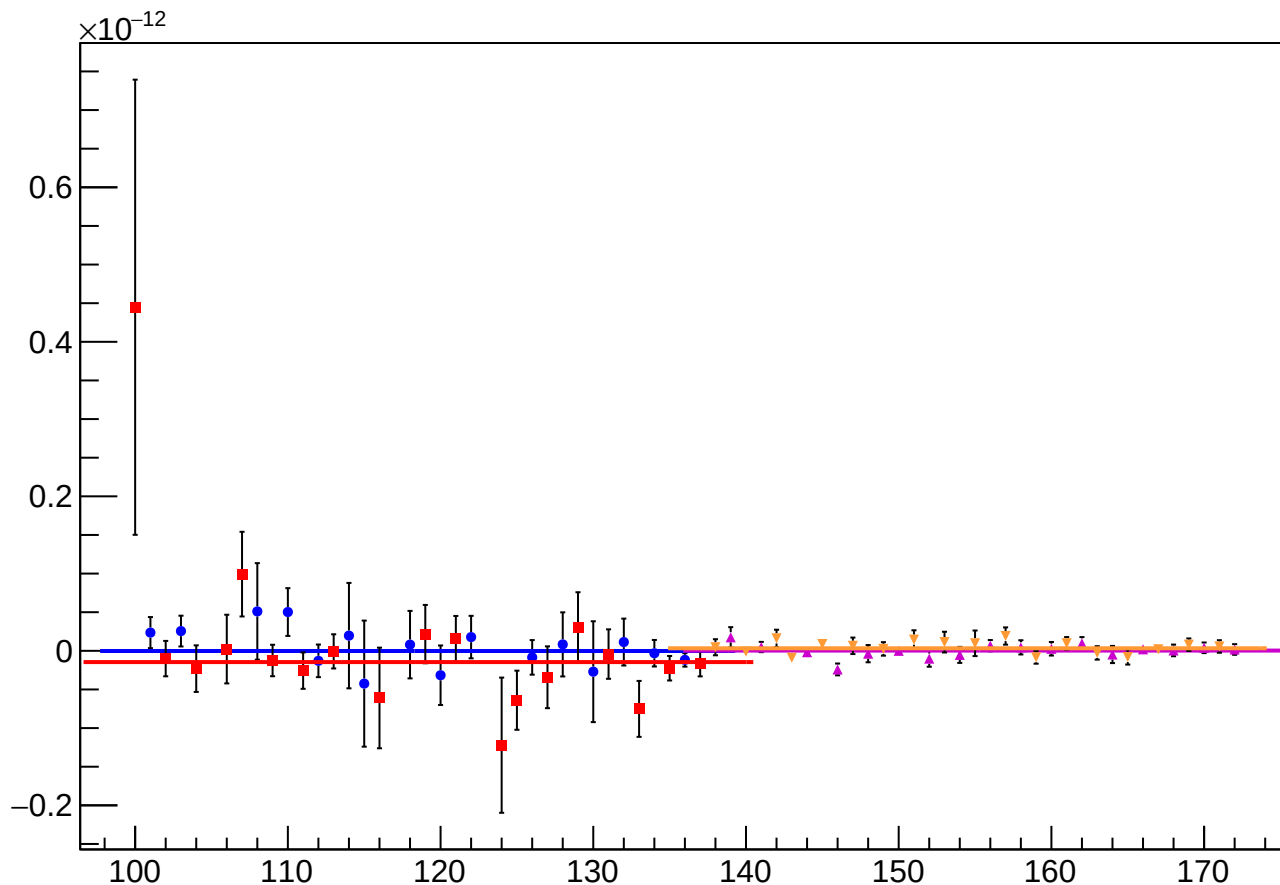
Left In: 19.490 $\pm$ 0.004 χ^2 /NDF: 2146528.5/16

+ sign 19.587 $\pm$ 0.003 χ^2 /NDF: 3947328.3/33

All: 19.744 $\pm$ 0.002 χ^2 /NDF: 7424557.0/69

- sign 19.904 $\pm$ 0.003 χ^2 /NDF: 3472644.6/35

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

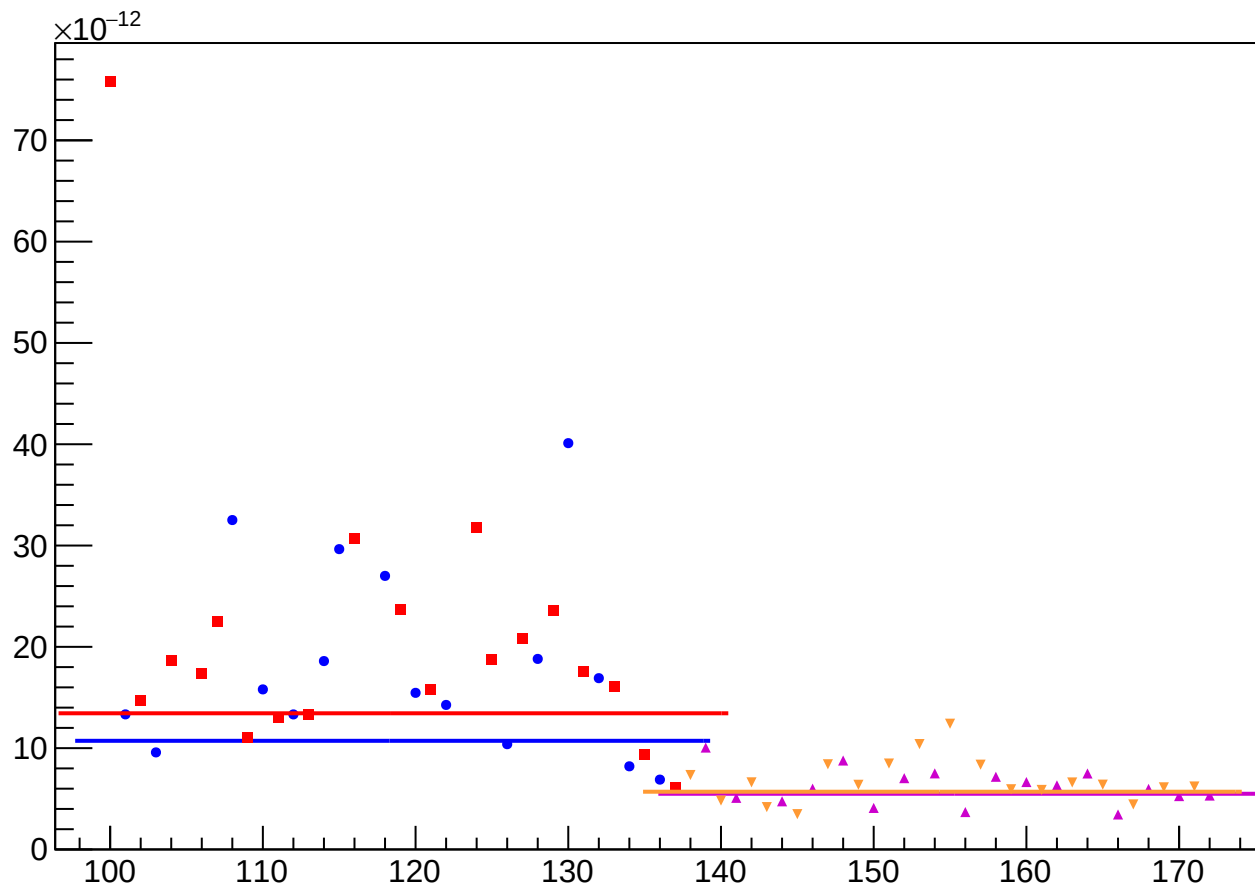
Left In: 0.000+/-0.000 χ^2 /NDF:16.8/16

+ sign 0.000+/-0.000 χ^2 /NDF: 26.0/33

All: 0.000+/-0.000 χ^2 /NDF: 67.4/69

- sign -0.000+/-0.000 χ^2 /NDF: 39.3/35

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1690036.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 1402984.9/18

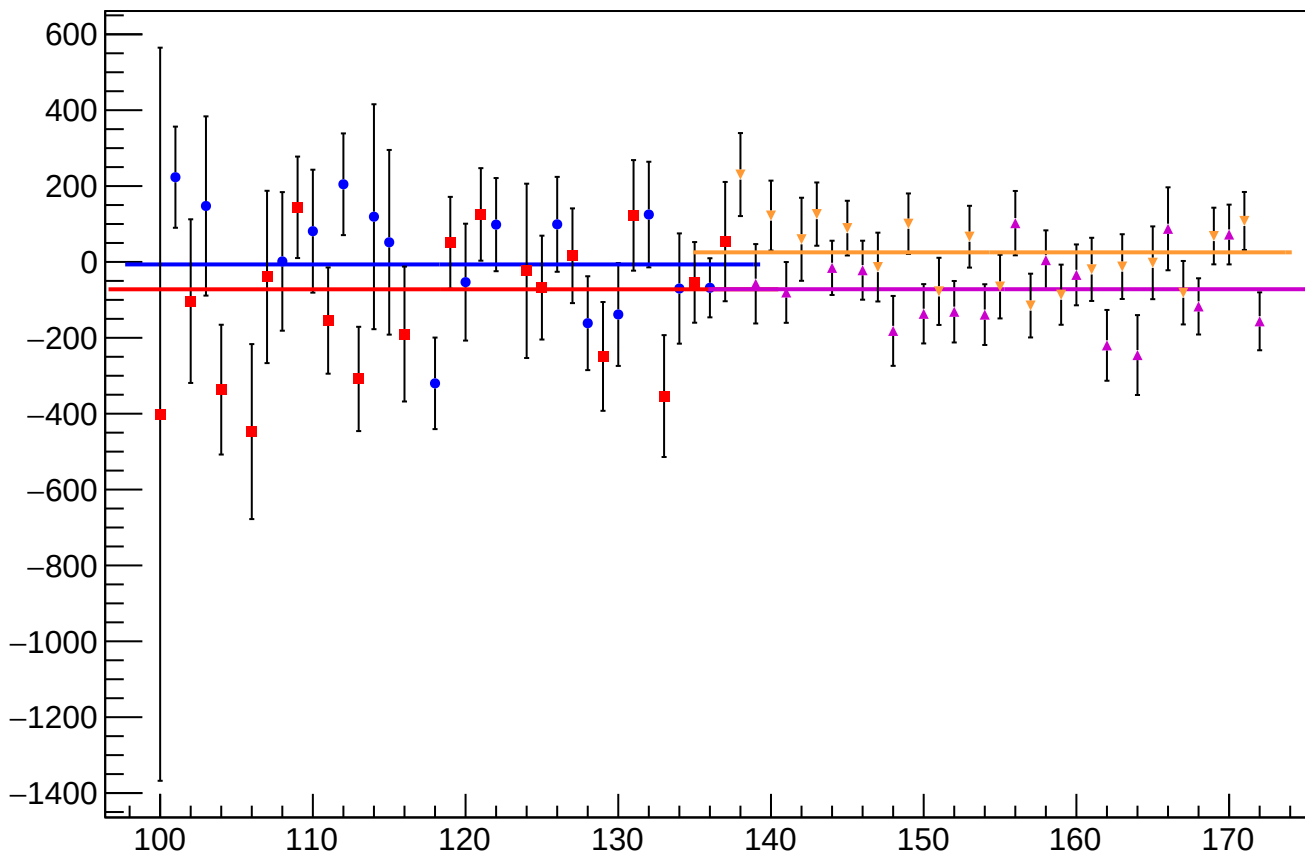
Left In: 0.000+/-0.000 χ^2/NDF : 1243874.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 4964532.0/33

All: 0.000+/-0.000 χ^2/NDF : 10341771.1/69

- sign 0.000+/-0.000 χ^2/NDF : 5372725.9/35

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

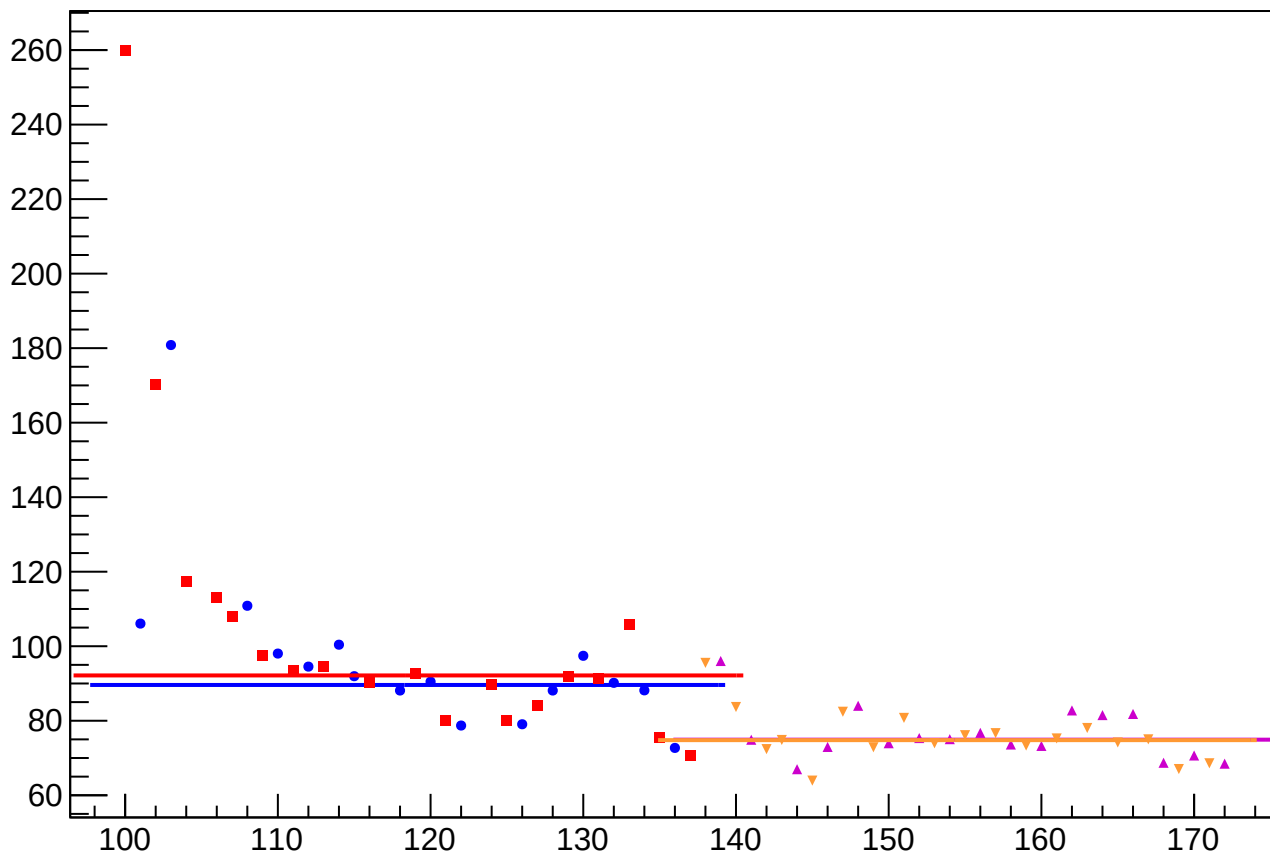
Left In: -71.902 ± 20.169 χ^2/NDF : 22.1/16

+ sign 17.212 ± 17.265 χ^2/NDF : 38.8/33

All: -26.870 ± 12.277 χ^2/NDF : 96.9/69

- sign -71.957 ± 17.460 χ^2/NDF : 44.9/35

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

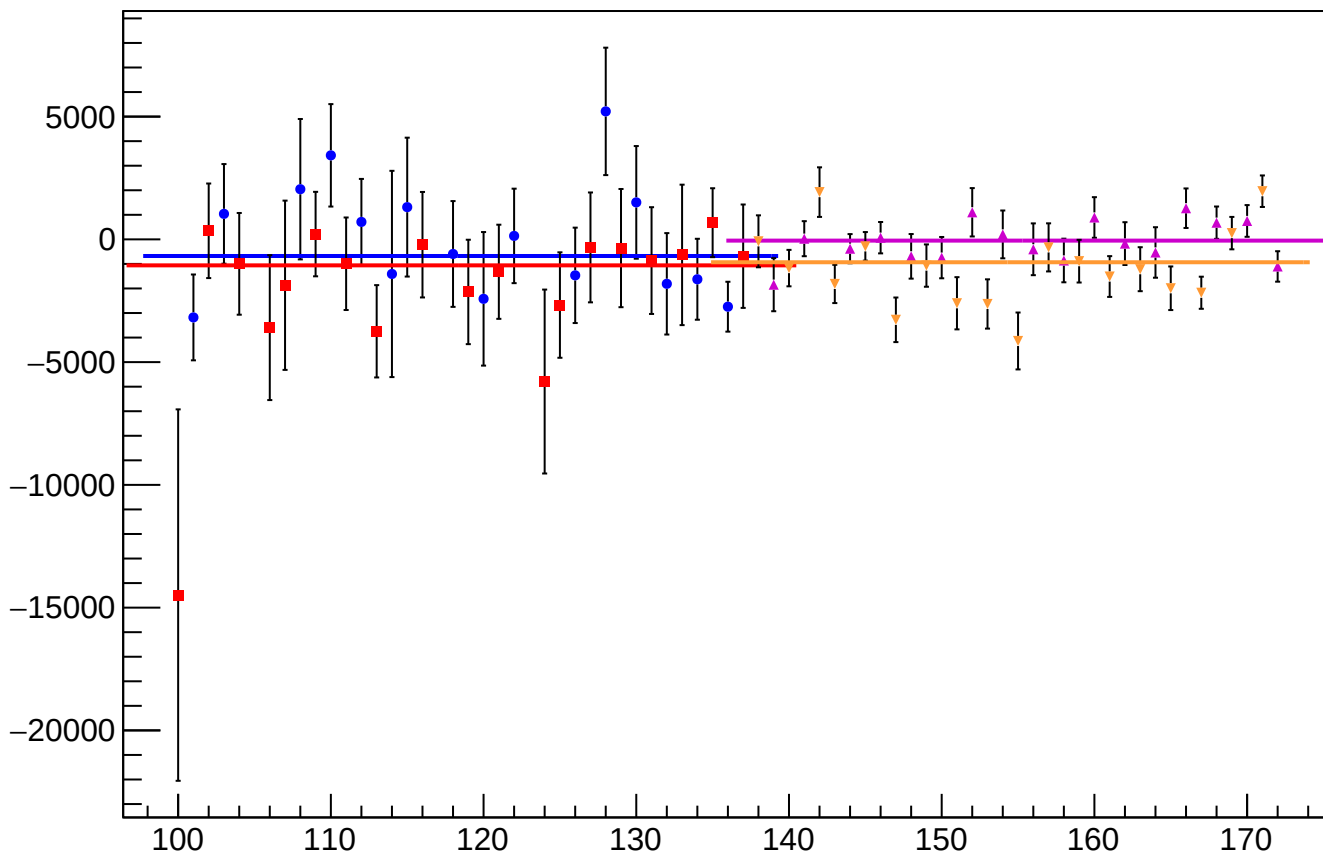
Left In: 74.922+/-0.014 χ^2/NDF : 193464.6/16

+ sign 78.550+/-0.012 χ^2/NDF : 978330.3/33

All: 78.892+/-0.009 χ^2/NDF : 2081549.5/69

- sign 79.241+/-0.012 χ^2/NDF : 1101636.8/35

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -677.381 $\pm$ 486.480 χ^2 /NDF: 20.3/15

Left Out: -932.164 $\pm$ 192.943 χ^2 /NDF:60.5/17

Right Out: -1058.761 $\pm$ 496.350 χ^2 /NDF: 11.5/18

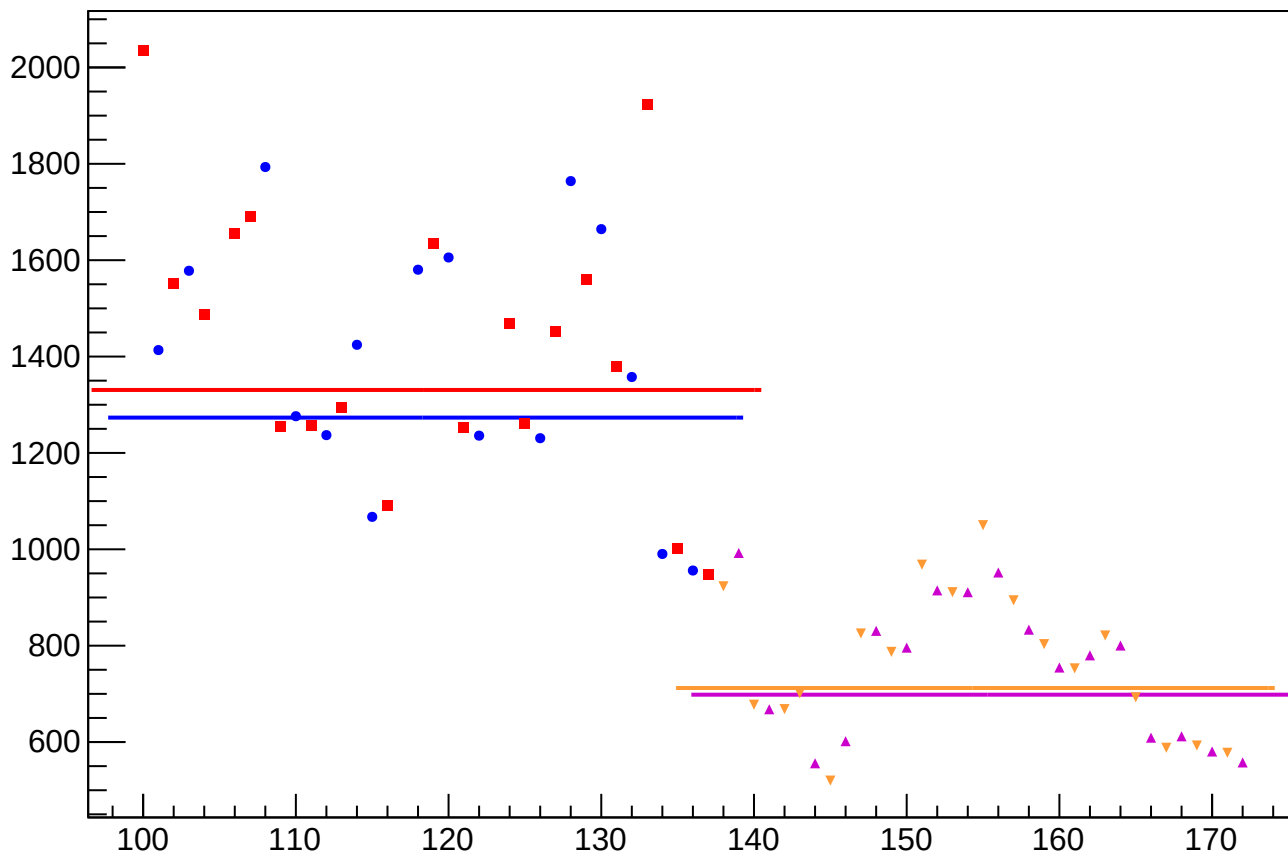
Left In: -50.775 $\pm$ 190.521 χ^2 /NDF:16.5/16

+ sign -897.534 $\pm$ 179.352 χ^2 /NDF: 81.0/33

All: -535.896 $\pm$ 126.293 χ^2 /NDF: 120.7/69

- sign -180.217 $\pm$ 177.868 χ^2 /NDF: 31.6/35

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1273.324 ± 0.344 $\chi^2/\text{NDF}: 597520.6/15$

Left Out: 712.189 ± 0.136 $\chi^2/\text{NDF}: 1068262.7/17$

Right Out: 1330.683 ± 0.351 $\chi^2/\text{NDF}: 470703.7/18$

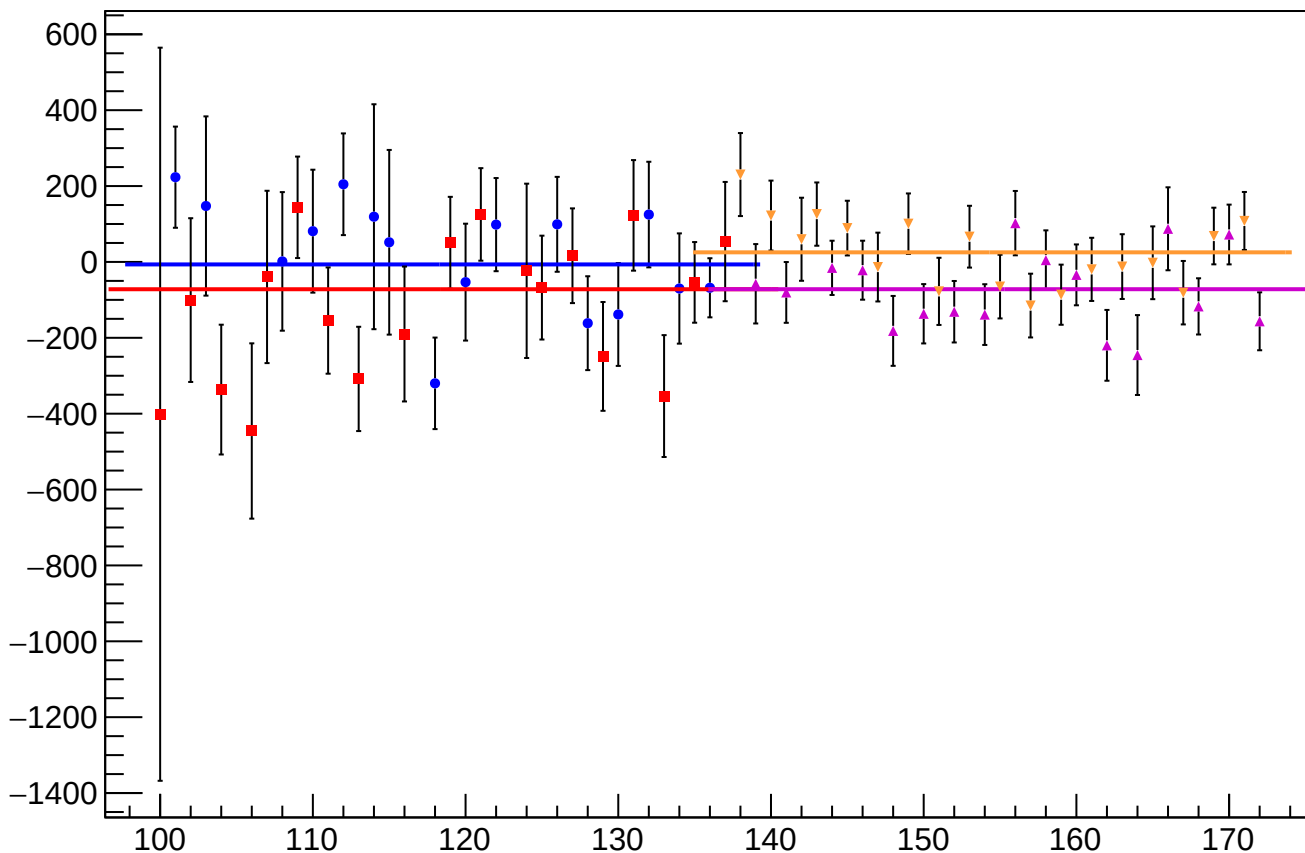
Left In: 698.286 ± 0.135 $\chi^2/\text{NDF}: 1010334.3/16$

+ sign 788.458 ± 0.127 $\chi^2/\text{NDF}: 3965048.6/33$

All: 783.940 ± 0.089 $\chi^2/\text{NDF}: 8278321.8/69$

- sign 779.496 ± 0.126 $\chi^2/\text{NDF}: 4310755.2/35$

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

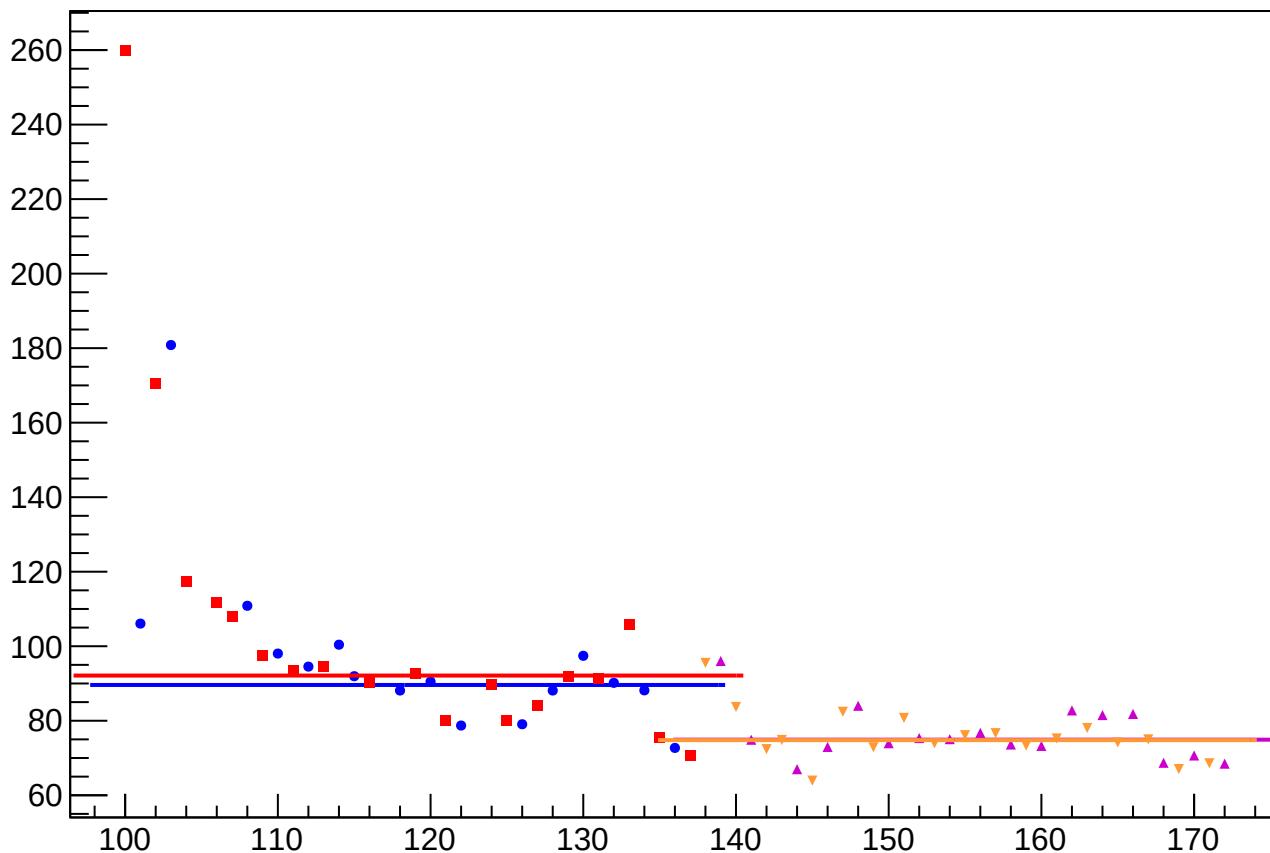
Left In: -71.901 ± 20.169 χ^2/NDF : 22.1/16

+ sign 17.212 ± 17.265 χ^2/NDF : 38.8/33

All: -26.851 ± 12.277 χ^2/NDF : 96.9/69

- sign -71.921 ± 17.461 χ^2/NDF : 44.9/35

cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498384.4/15

Left Out: 74.796 $\pm$ 0.014 χ^2 /NDF: 201470.5/17

Right Out: 92.129 $\pm$ 0.025 χ^2 /NDF: 540308.7/18

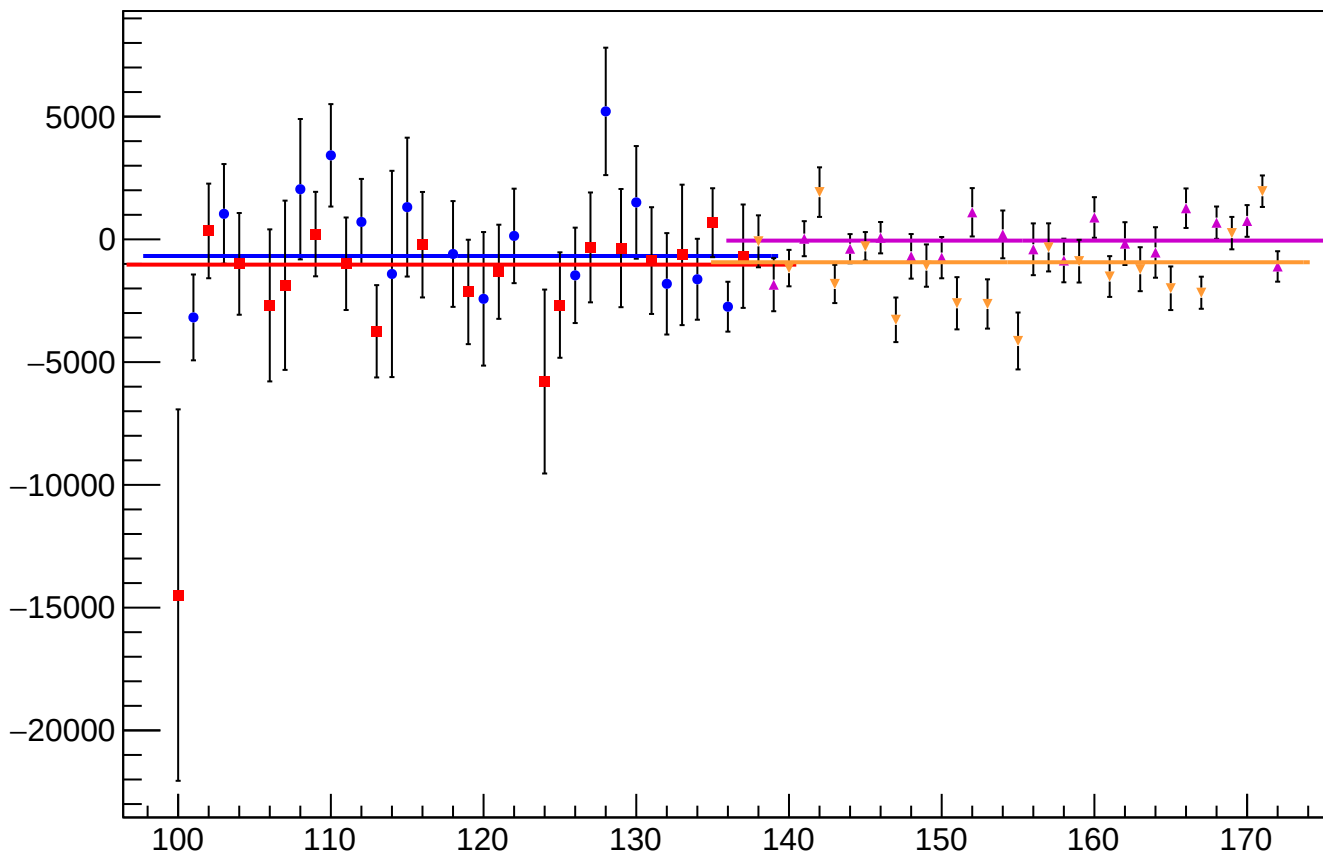
Left In: 74.922 $\pm$ 0.014 χ^2 /NDF: 193464.6/16

+ sign 78.550 $\pm$ 0.012 χ^2 /NDF: 978333.8/33

All: 78.888 $\pm$ 0.009 χ^2 /NDF: 2078370.0/69

- sign 79.233 $\pm$ 0.012 χ^2 /NDF: 1098491.8/35

asym_sam_2468_avg_cor_correction_mean vs Slug



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

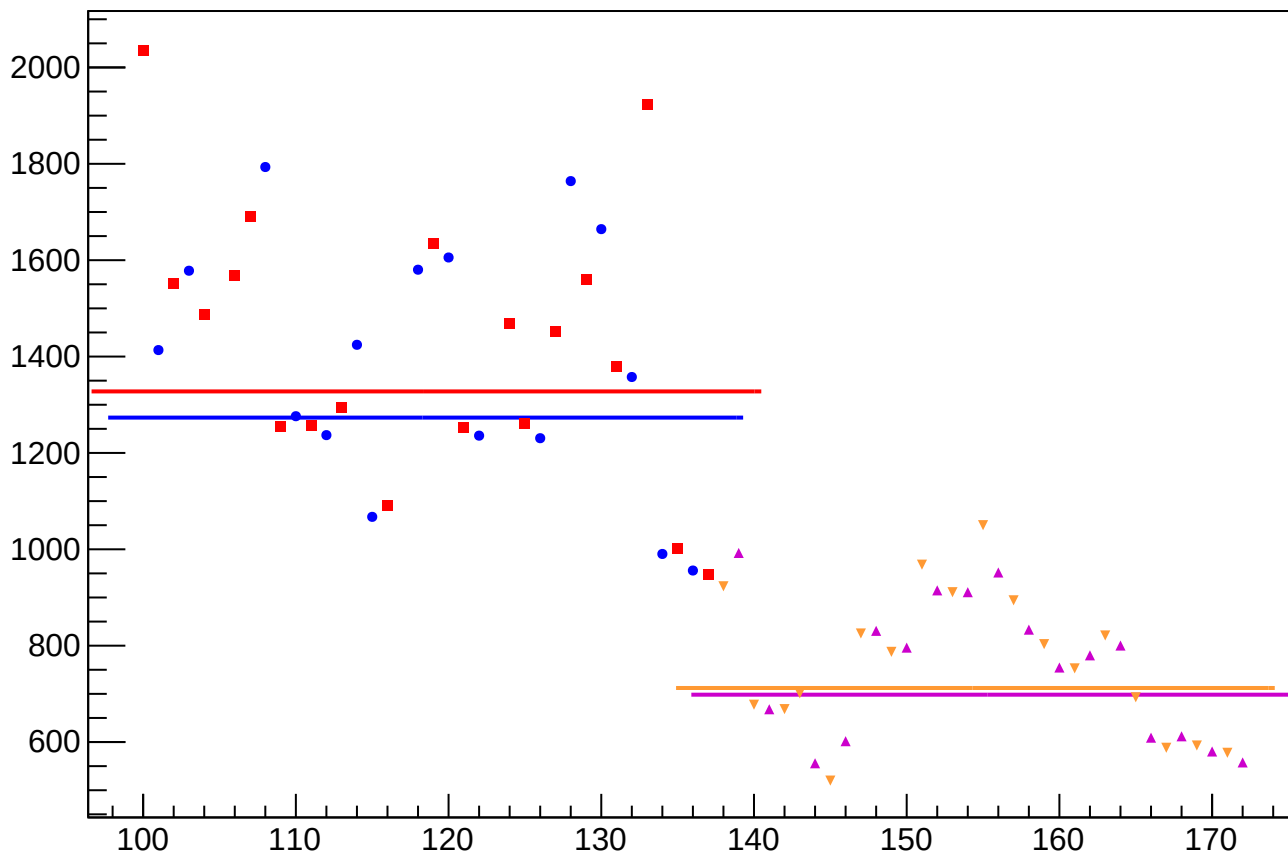
Left In: -50.777+/-190.521 χ^2/NDF : 16.5/16

+ sign -897.524+/-179.352 χ^2/NDF : 81.0/33

All: -533.905+/-126.304 χ^2/NDF : 120.1/69

- sign -176.153+/-177.899 χ^2/NDF : 30.9/35

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1273.327 $\pm$ 0.344 χ^2 /NDF: 597547.8/15

Left Out: 712.189 $\pm$ 0.136 χ^2 /NDF: 1068266.7/17

Right Out: 1327.661 $\pm$ 0.351 χ^2 /NDF: 458481.2/18

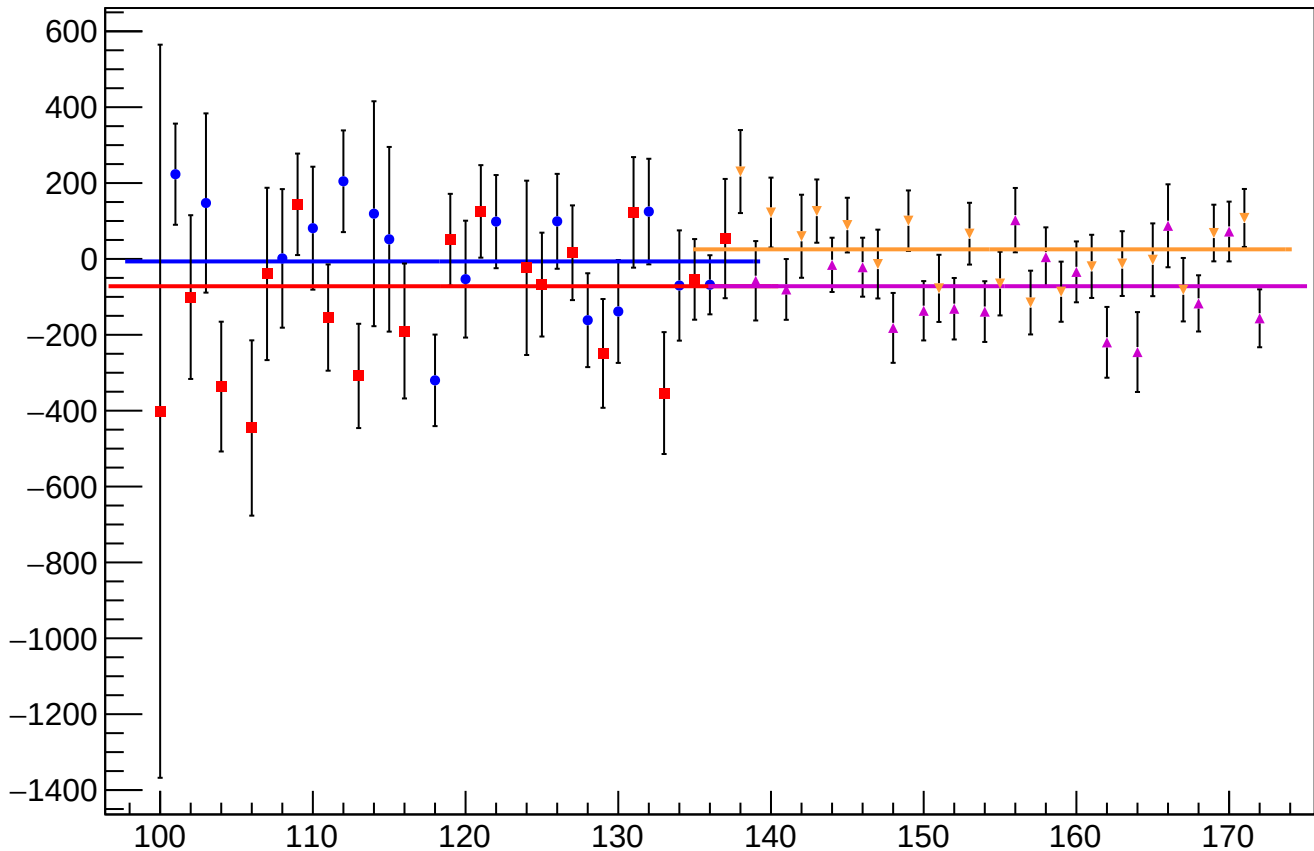
Left In: 698.286 $\pm$ 0.135 χ^2 /NDF: 1010332.3/16

+ sign 788.458 $\pm$ 0.127 χ^2 /NDF: 3965095.6/33

All: 783.649 $\pm$ 0.089 χ^2 /NDF: 8232932.9/69

- sign 778.919 $\pm$ 0.126 χ^2 /NDF: 4264985.4/35

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

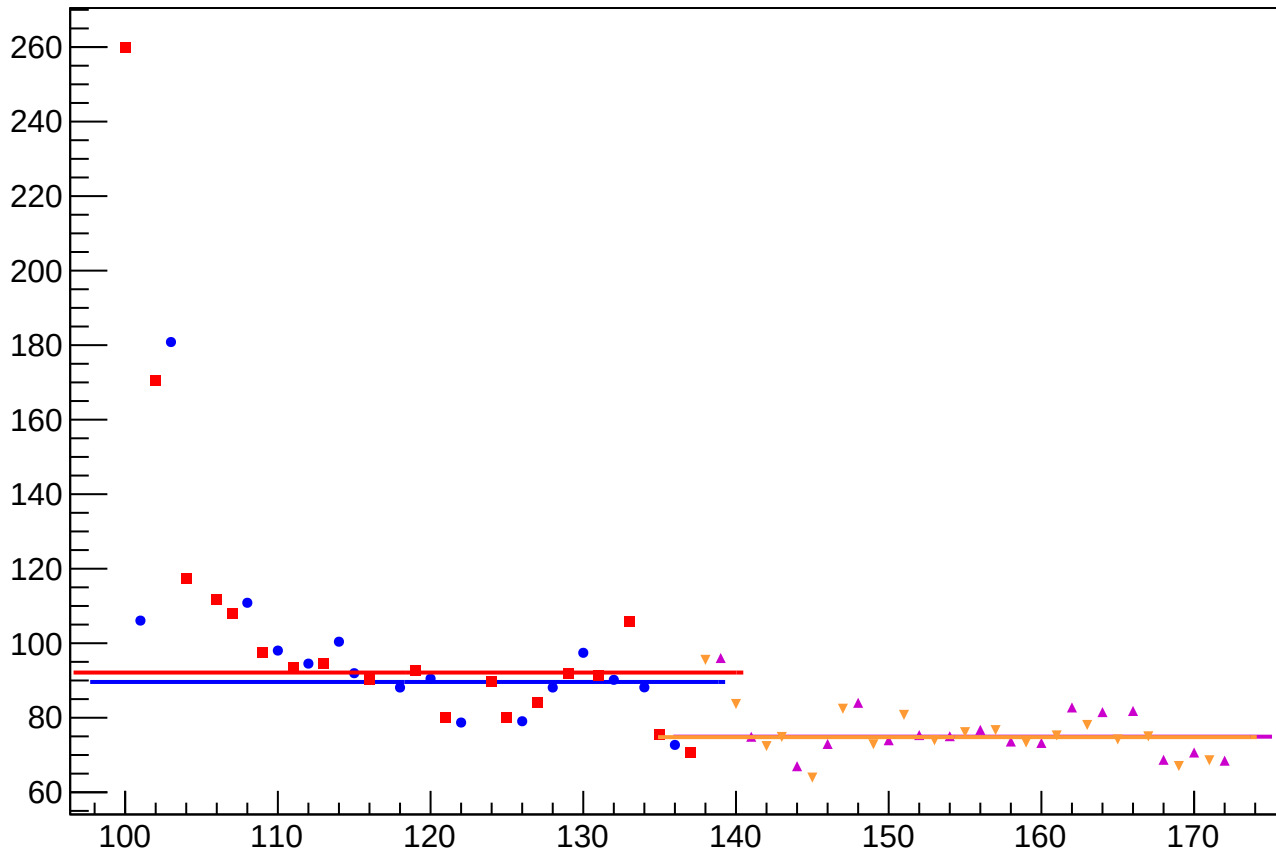
Left In: -71.901 ± 20.169 χ^2/NDF : 22.1/16

+ sign 17.212 ± 17.265 χ^2/NDF : 38.8/33

All: -26.851 ± 12.277 χ^2/NDF : 96.9/69

- sign -71.921 ± 17.461 χ^2/NDF : 44.9/35

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 89.604 $\pm$ 0.024 χ^2 /NDF: 498384.4/15

Left Out: 74.796 $\pm$ 0.014 χ^2 /NDF: 201470.5/17

Right Out: 92.129 $\pm$ 0.025 χ^2 /NDF: 540308.7/18

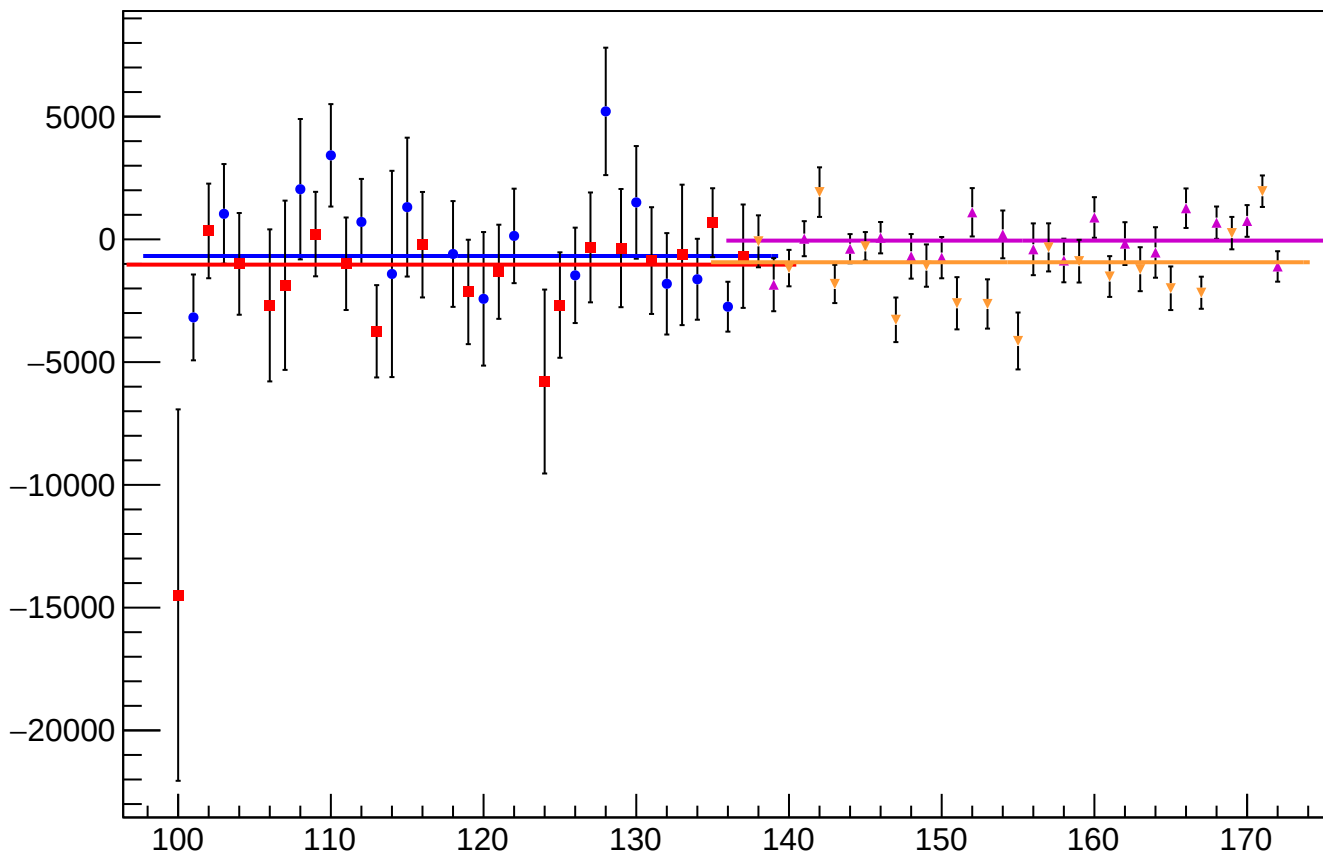
Left In: 74.922 $\pm$ 0.014 χ^2 /NDF: 193464.6/16

+ sign 78.550 $\pm$ 0.012 χ^2 /NDF: 978333.8/33

All: 78.888 $\pm$ 0.009 χ^2 /NDF: 2078370.0/69

- sign 79.233 $\pm$ 0.012 χ^2 /NDF: 1098491.8/35

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



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

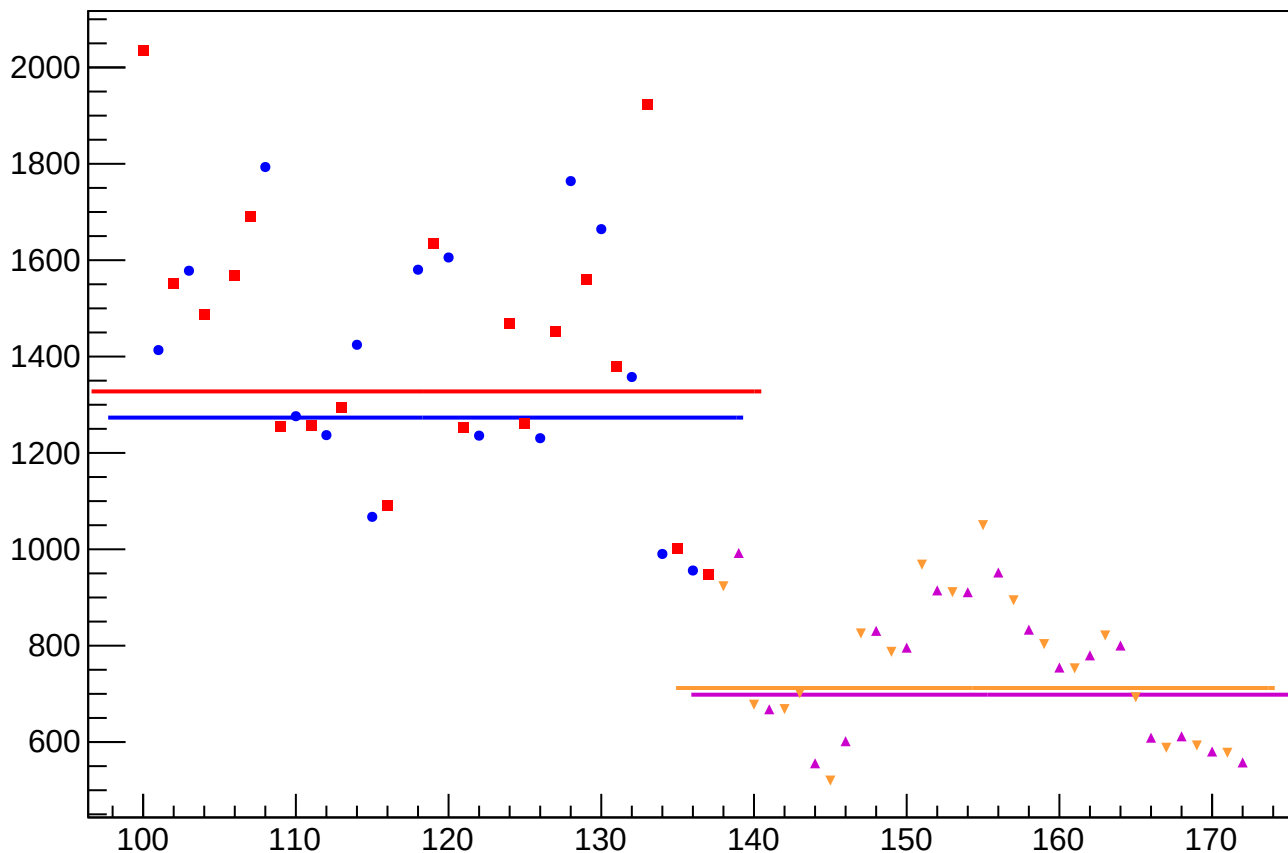
Left In: -50.777+/-190.521 χ^2/NDF : 16.5/16

+ sign -897.524+/-179.352 χ^2/NDF : 81.0/33

All: -533.905+/-126.304 χ^2/NDF : 120.1/69

- sign -176.153+/-177.899 χ^2/NDF : 30.9/35

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1273.327 $\pm$ 0.344 χ^2 /NDF: 597547.8/15

Left Out: 712.189 $\pm$ 0.136 χ^2 /NDF: 1068266.7/17

Right Out: 1327.661 $\pm$ 0.351 χ^2 /NDF: 458481.2/18

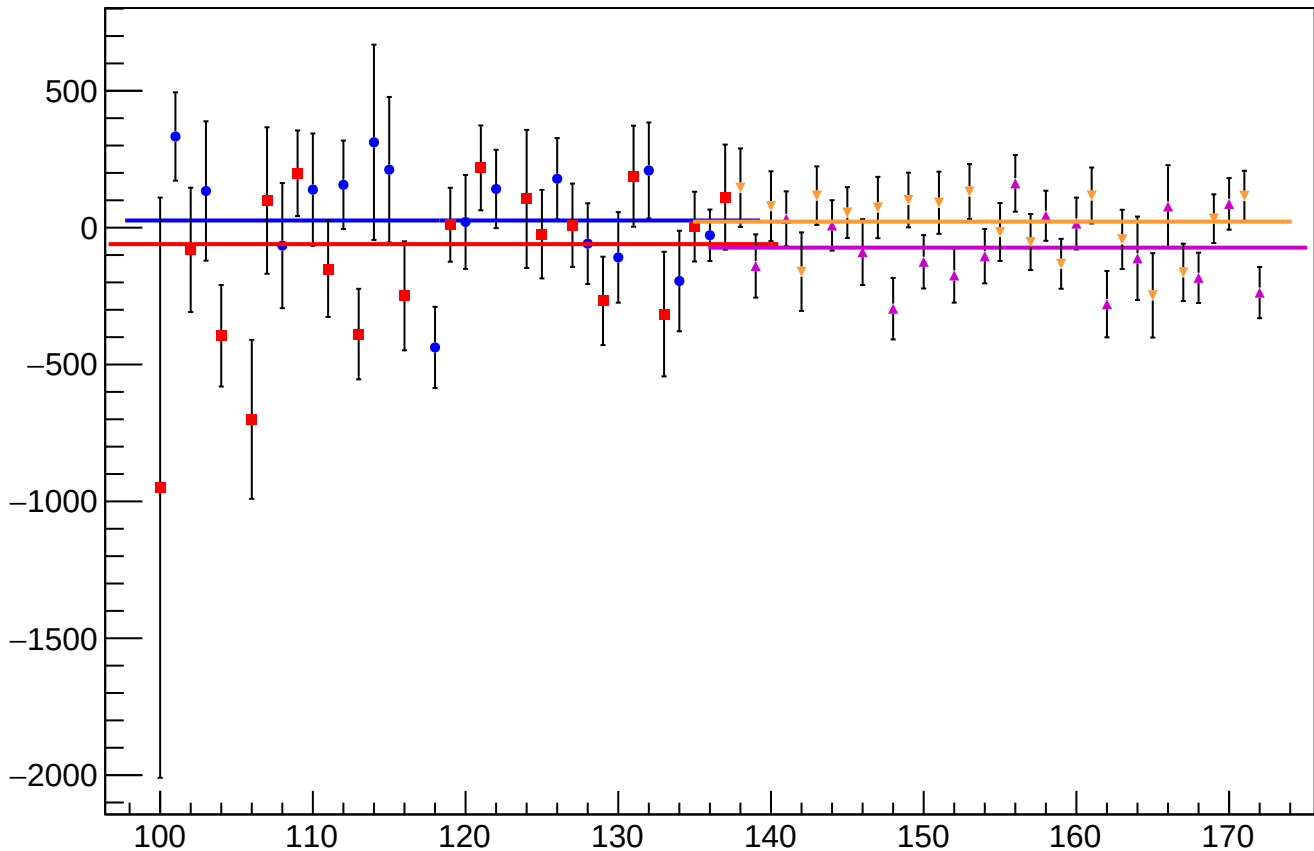
Left In: 698.286 $\pm$ 0.135 χ^2 /NDF: 1010332.3/16

+ sign 788.458 $\pm$ 0.127 χ^2 /NDF: 3965095.6/33

All: 783.649 $\pm$ 0.089 χ^2 /NDF: 8232932.9/69

- sign 778.919 $\pm$ 0.126 χ^2 /NDF: 4264985.4/35

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

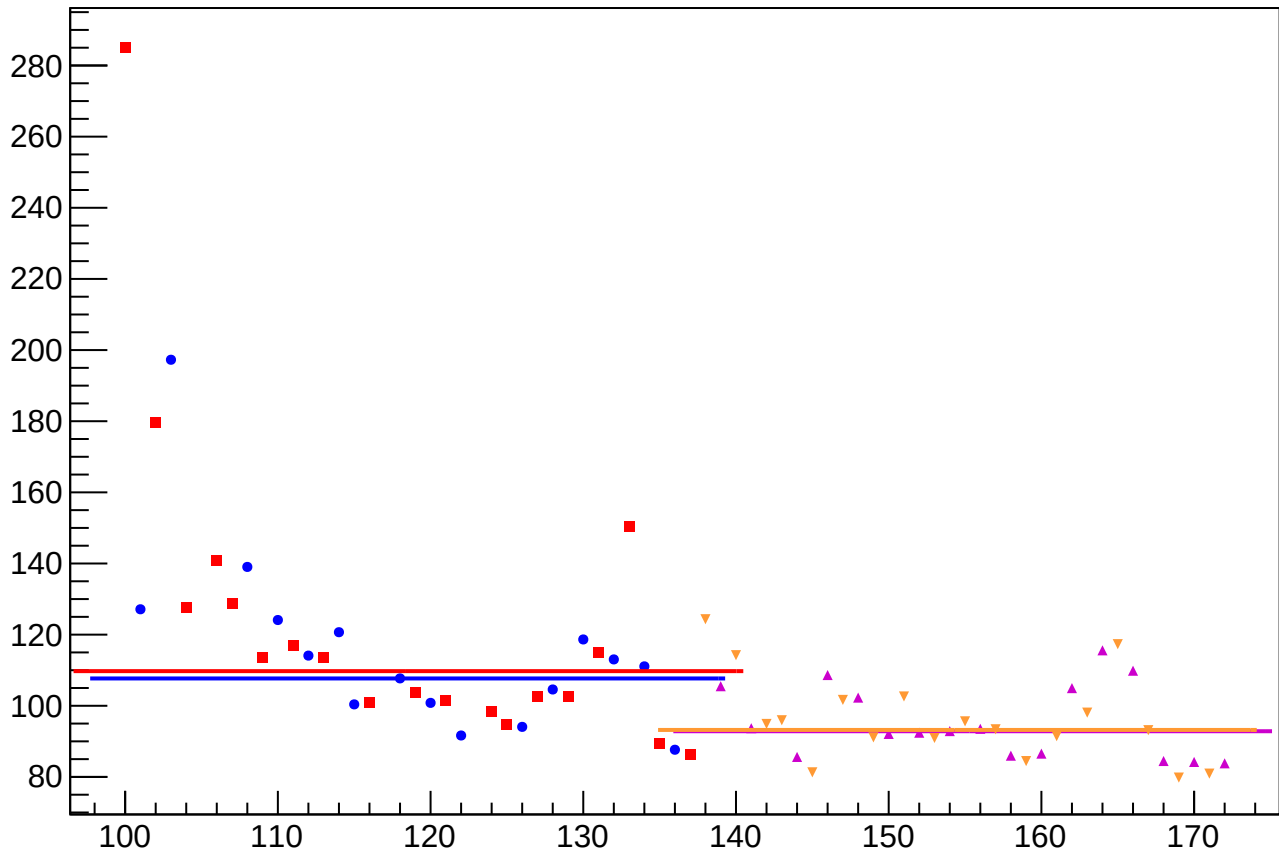
Left In: -72.989 ± 25.218 χ^2/NDF : 26.6/16

+ sign 23.194 ± 21.452 χ^2/NDF : 39.3/33

All: -22.941 ± 15.205 χ^2/NDF : 102.2/69

- sign -69.522 ± 21.555 χ^2/NDF : 53.7/35

dit_asym_sam_2468_avg_rms vs Slug



Right In: 107.680 $\pm$ 0.029 χ^2 /NDF: 483125.6/15

Left Out: 93.208 $\pm$ 0.018 χ^2 /NDF:364532.2/17

Right Out: 109.739 $\pm$ 0.029 χ^2 /NDF: 491787.3/18

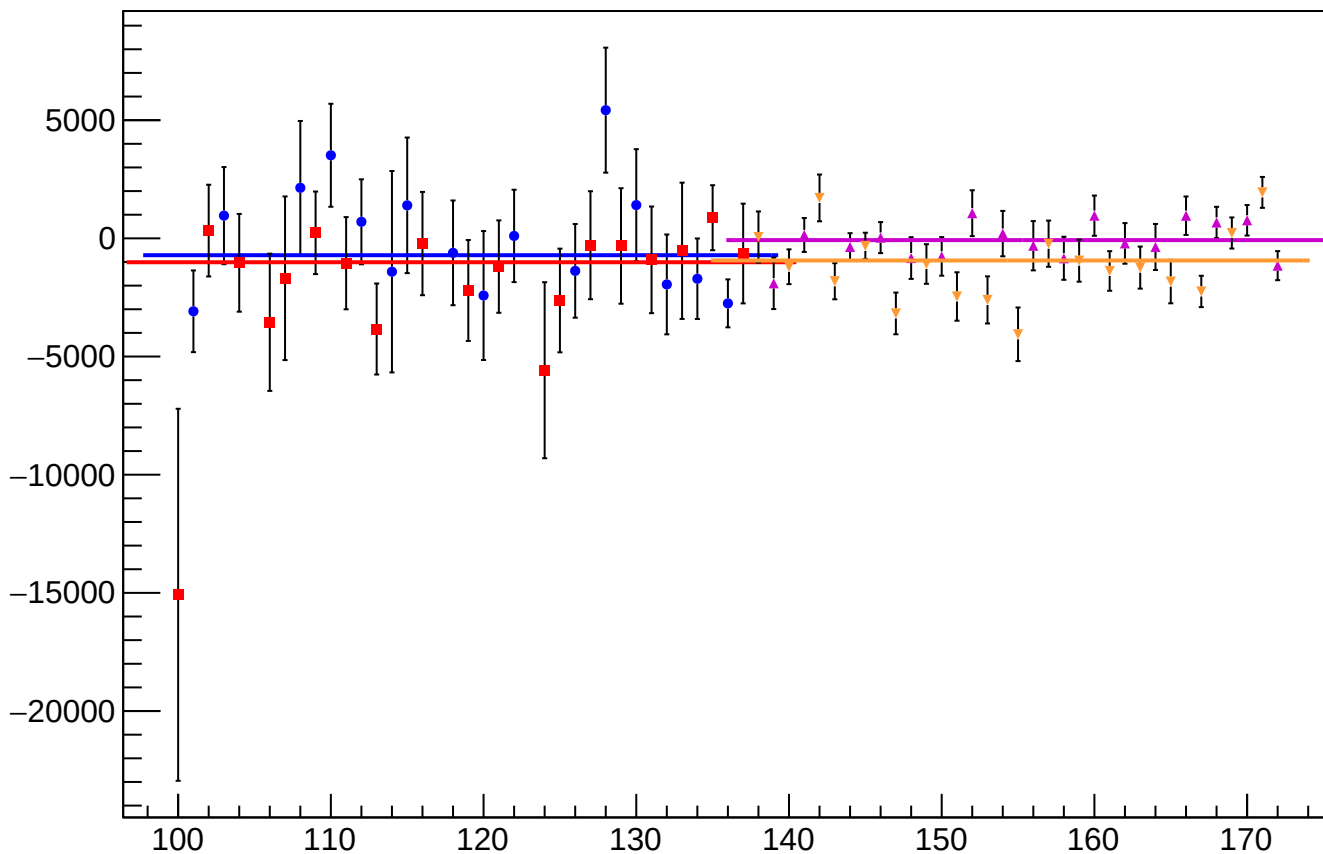
Left In: 92.845 $\pm$ 0.018 χ^2 /NDF:247248.3/16

+ sign 97.127 $\pm$ 0.015 χ^2 /NDF: 1027418.0/33

All: 97.261 $\pm$ 0.011 χ^2 /NDF: 2008440.5/69

- sign 97.396 $\pm$ 0.015 χ^2 /NDF: 980866.1/35

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -712.887 $\pm$ 493.253 χ^2 /NDF: 20.1/15

Left Out: -935.968 $\pm$ 191.728 χ^2 /NDF: 58.0/17

Right Out: -1010.557 $\pm$ 501.374 χ^2 /NDF: 11.8/18

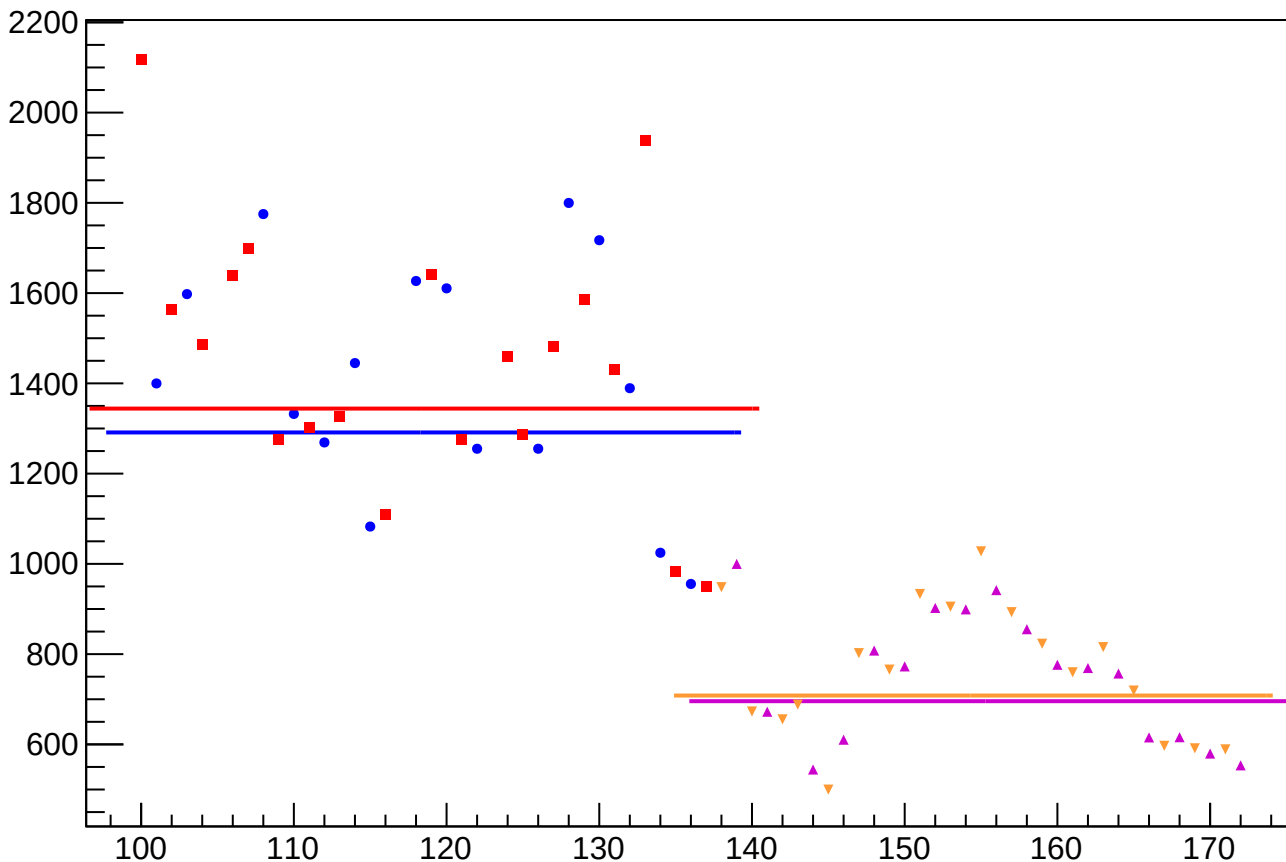
Left In: -74.658 $\pm$ 189.827 χ^2 /NDF: 16.1/16

+ sign -906.687 $\pm$ 178.703 χ^2 /NDF: 78.3/33

All: -546.987 $\pm$ 125.945 χ^2 /NDF: 117.3/69

- sign -191.997 $\pm$ 177.529 χ^2 /NDF: 30.9/35

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

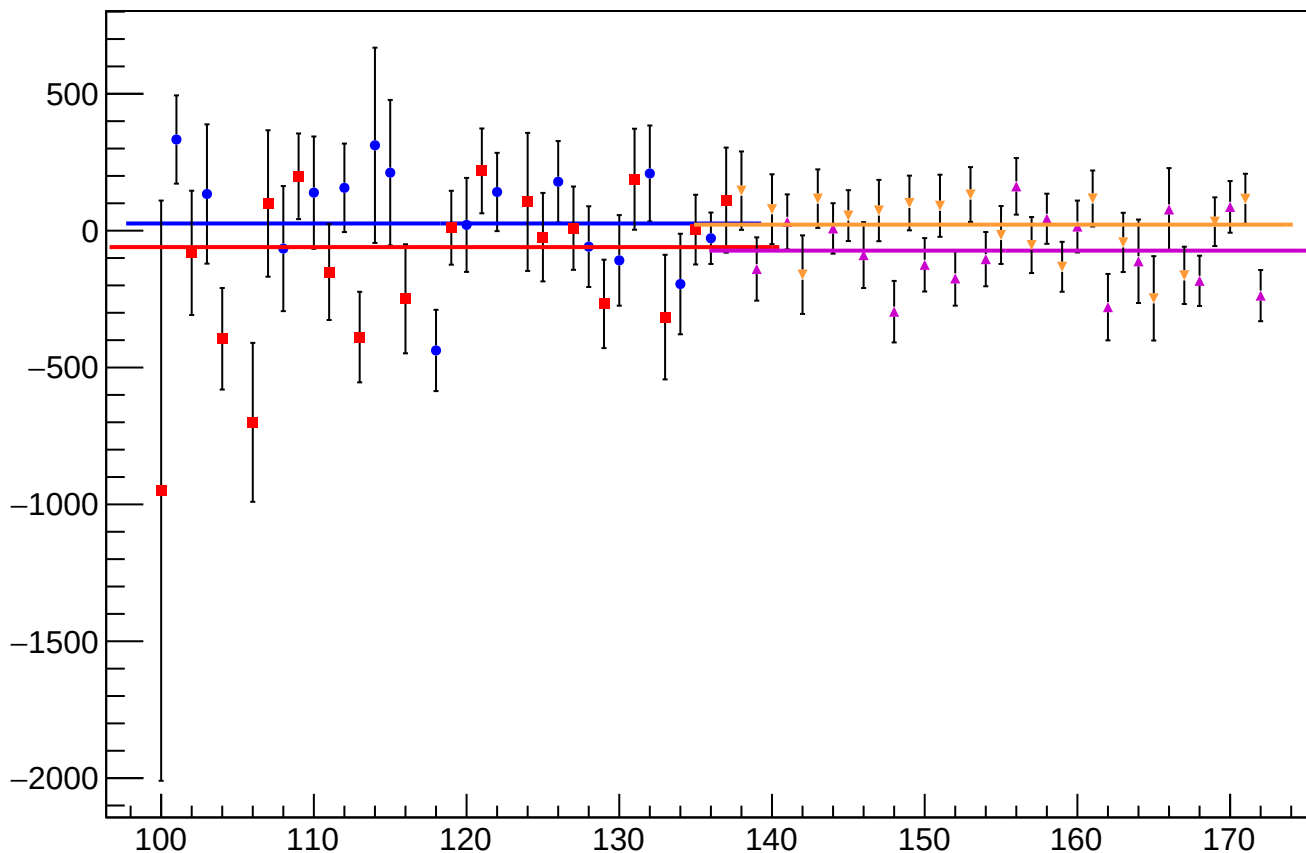
Left In: 695.729+/-0.134 χ^2/NDF : 991441.5/16

+ sign 784.774+/-0.126 χ^2/NDF : 4121358.8/33

All: 780.872+/-0.089 χ^2/NDF : 8531157.7/69

- sign 777.021+/-0.126 χ^2/NDF : 4407904.2/35

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 26.252 ± 41.219 $\chi^2/\text{NDF}: 21.4/15$

Left Out: 22.059 ± 25.122 $\chi^2/\text{NDF}: 17.9/17$

Right Out: -60.117 ± 41.528 $\chi^2/\text{NDF}: 27.0/18$

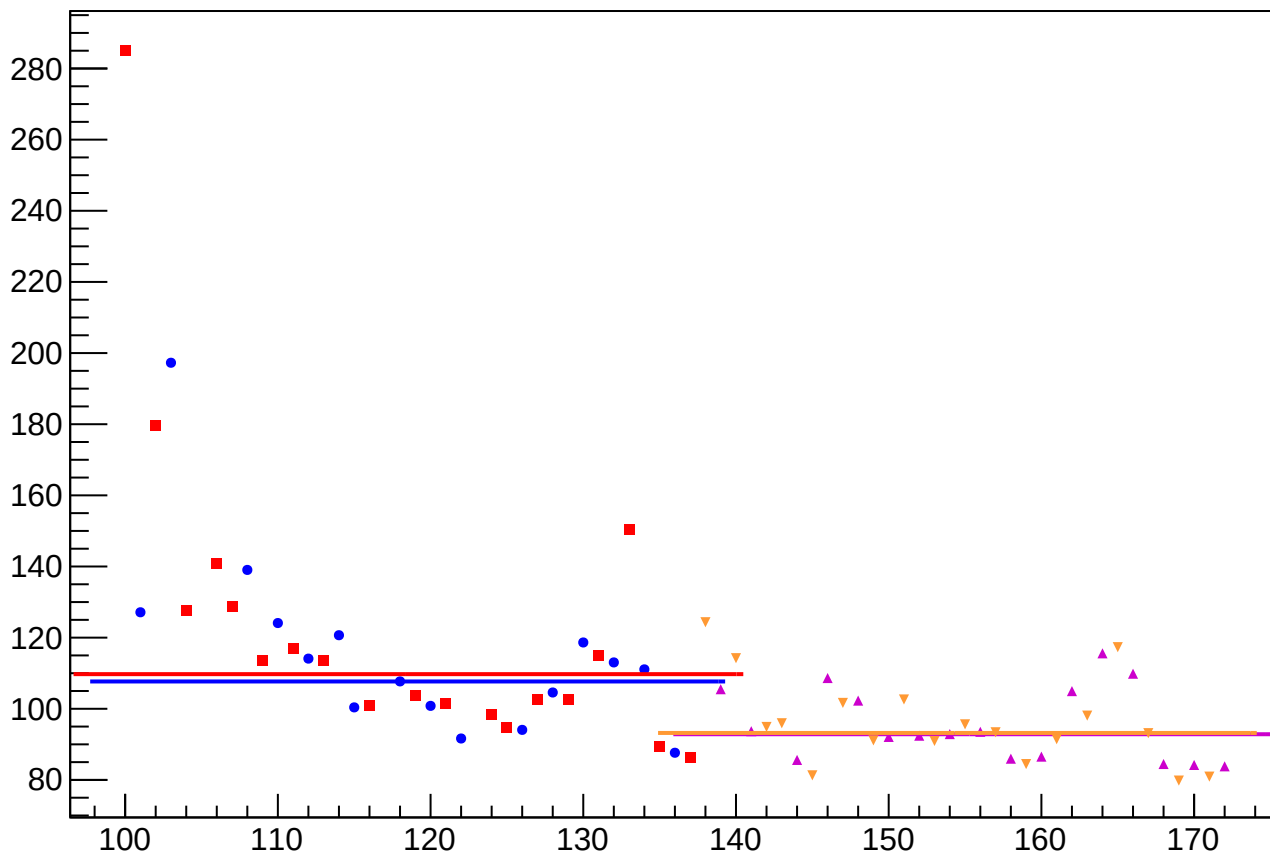
Left In: -72.988 ± 25.218 $\chi^2/\text{NDF}: 26.6/16$

+ sign 23.195 ± 21.452 $\chi^2/\text{NDF}: 39.3/33$

All: -22.940 ± 15.205 $\chi^2/\text{NDF}: 102.2/69$

- sign -69.520 ± 21.555 $\chi^2/\text{NDF}: 53.7/35$

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

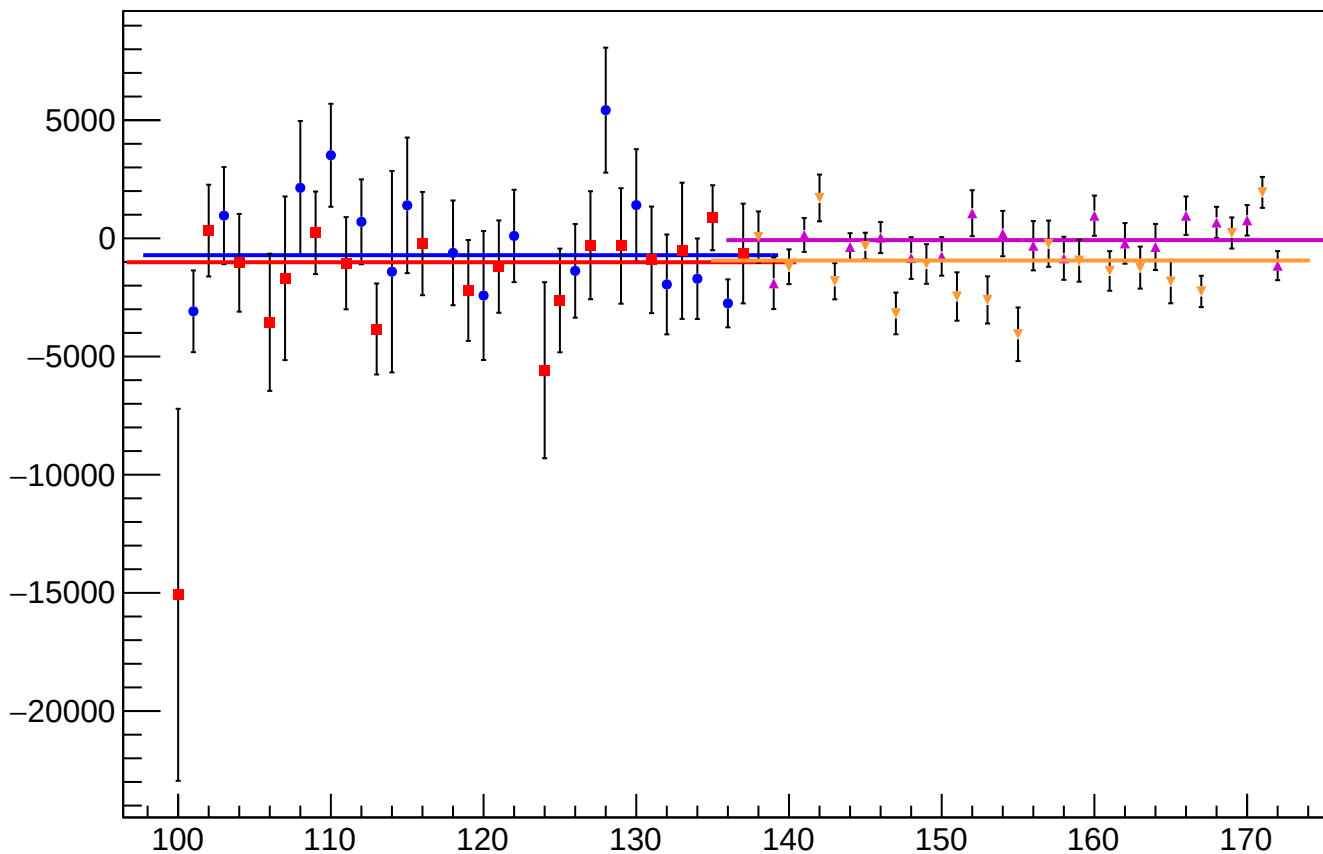
Left In: 92.845 ± 0.018 χ^2/NDF : 247251.1/16

+ sign 97.128 ± 0.015 χ^2/NDF : 1027371.6/33

All: 97.261 ± 0.011 χ^2/NDF : 2008368.5/69

- sign 97.396 ± 0.015 χ^2/NDF : 980840.5/35

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



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

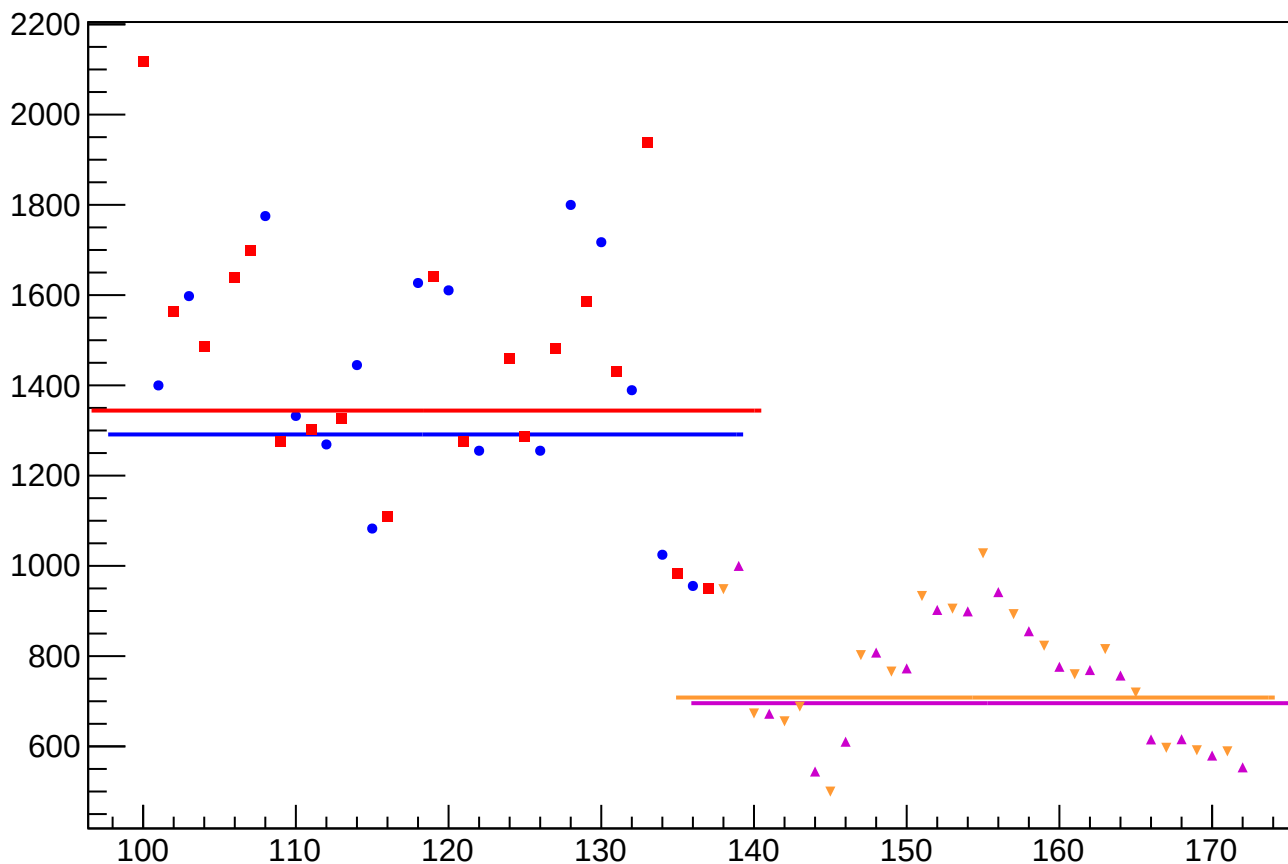
Left In: -74.656 ± 189.827 χ^2/NDF : 16.1/16

+ sign -906.685 ± 178.702 χ^2/NDF : 78.3/33

All: -546.985 ± 125.945 χ^2/NDF : 117.3/69

- sign -191.995 ± 177.528 χ^2/NDF : 30.9/35

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

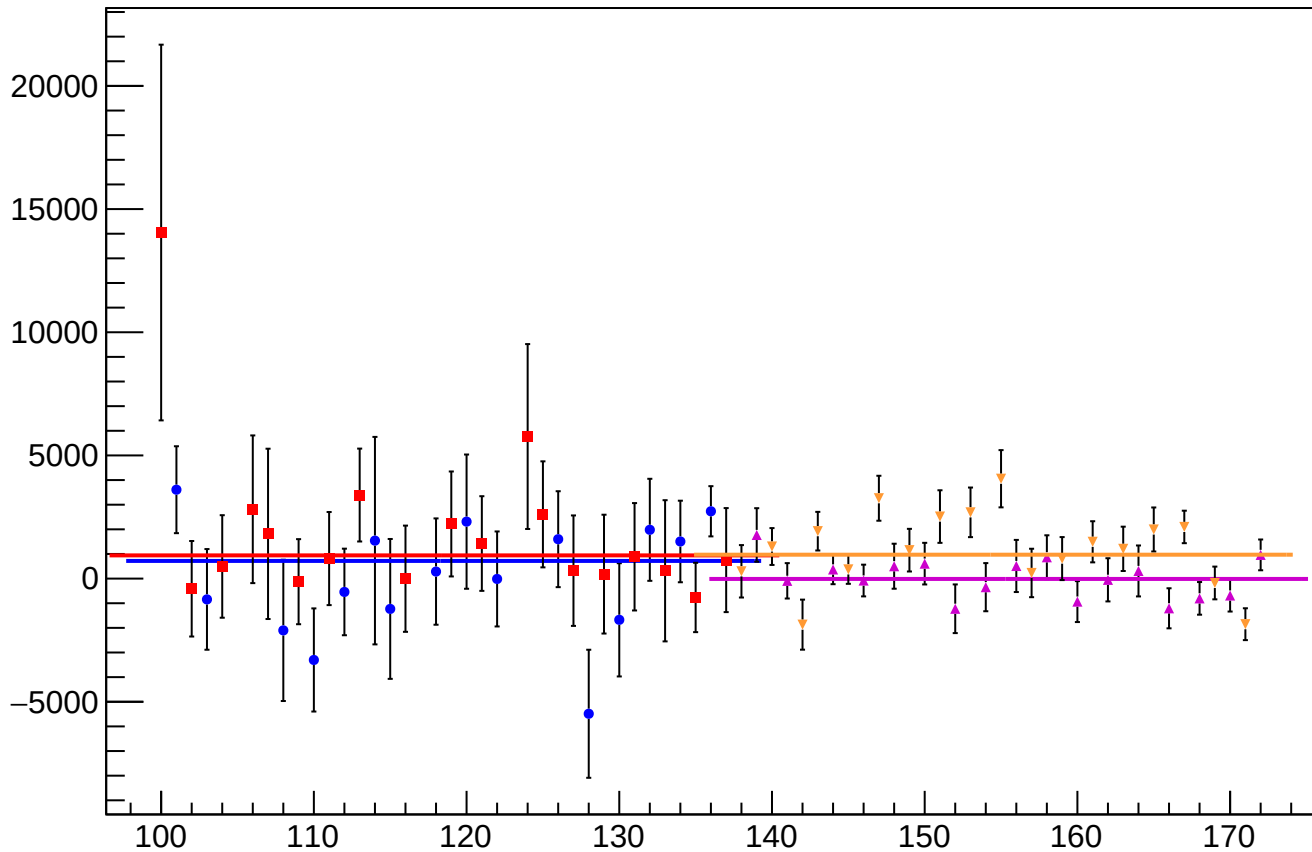
Left In: 695.727+/-0.134 χ^2/NDF : 991443.3/16

+ sign 784.772+/-0.126 χ^2/NDF : 4121370.1/33

All: 780.870+/-0.089 χ^2/NDF : 8531166.8/69

- sign 777.020+/-0.126 χ^2/NDF : 4407902.3/35

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

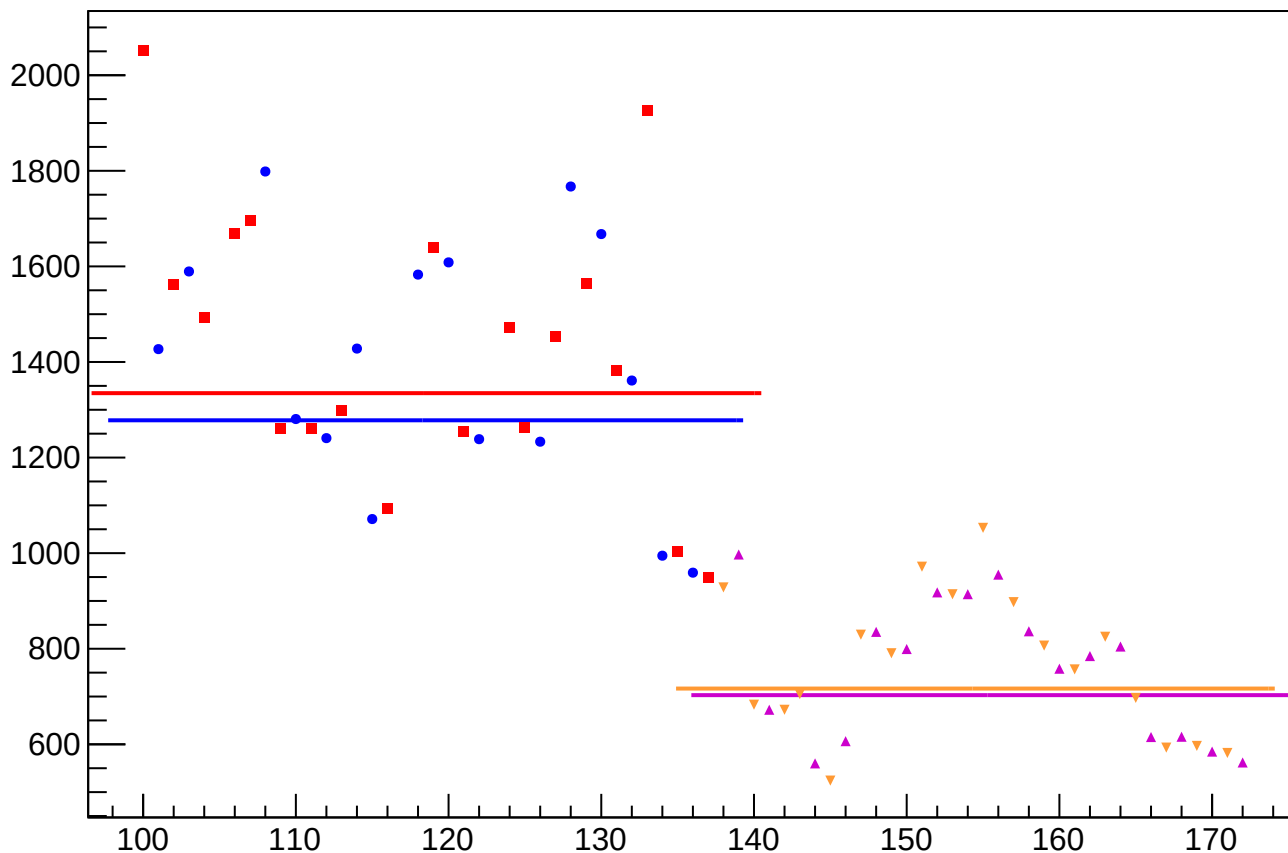
Left In: -13.884+/-191.724 χ^2/NDF : 15.2/16

+ sign 935.771+/-180.372 χ^2/NDF : 77.9/33

All: 519.318+/-127.027 χ^2/NDF : 117.5/69

- sign -109.522+/-178.925 χ^2/NDF : 29.0/35

asym_sam_2468_avg_rms vs Slug



Right In: 1277.979 $\pm$ 0.345 χ^2 /NDF: 597666.8/15

Left Out: 716.686 $\pm$ 0.137 χ^2 /NDF: 1052428.3/17

Right Out: 1334.775 $\pm$ 0.352 χ^2 /NDF: 471897.2/18

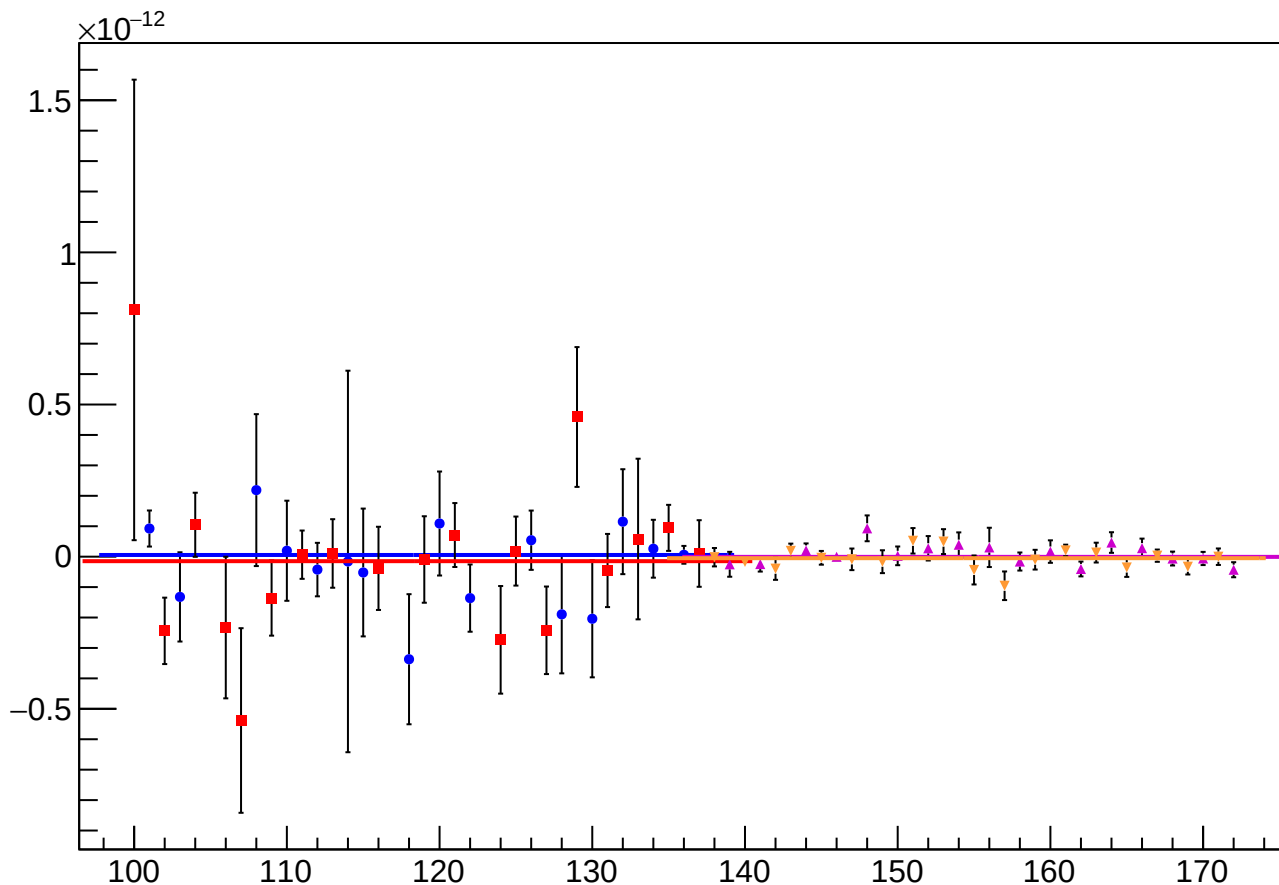
Left In: 702.909 $\pm$ 0.136 χ^2 /NDF: 994521.5/16

+ sign 793.292 $\pm$ 0.128 χ^2 /NDF: 3932626.7/33

All: 788.839 $\pm$ 0.090 χ^2 /NDF: 8205085.4/69

- sign 784.458 $\pm$ 0.127 χ^2 /NDF: 4270040.6/35

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 11.6/15

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.2/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.8/18

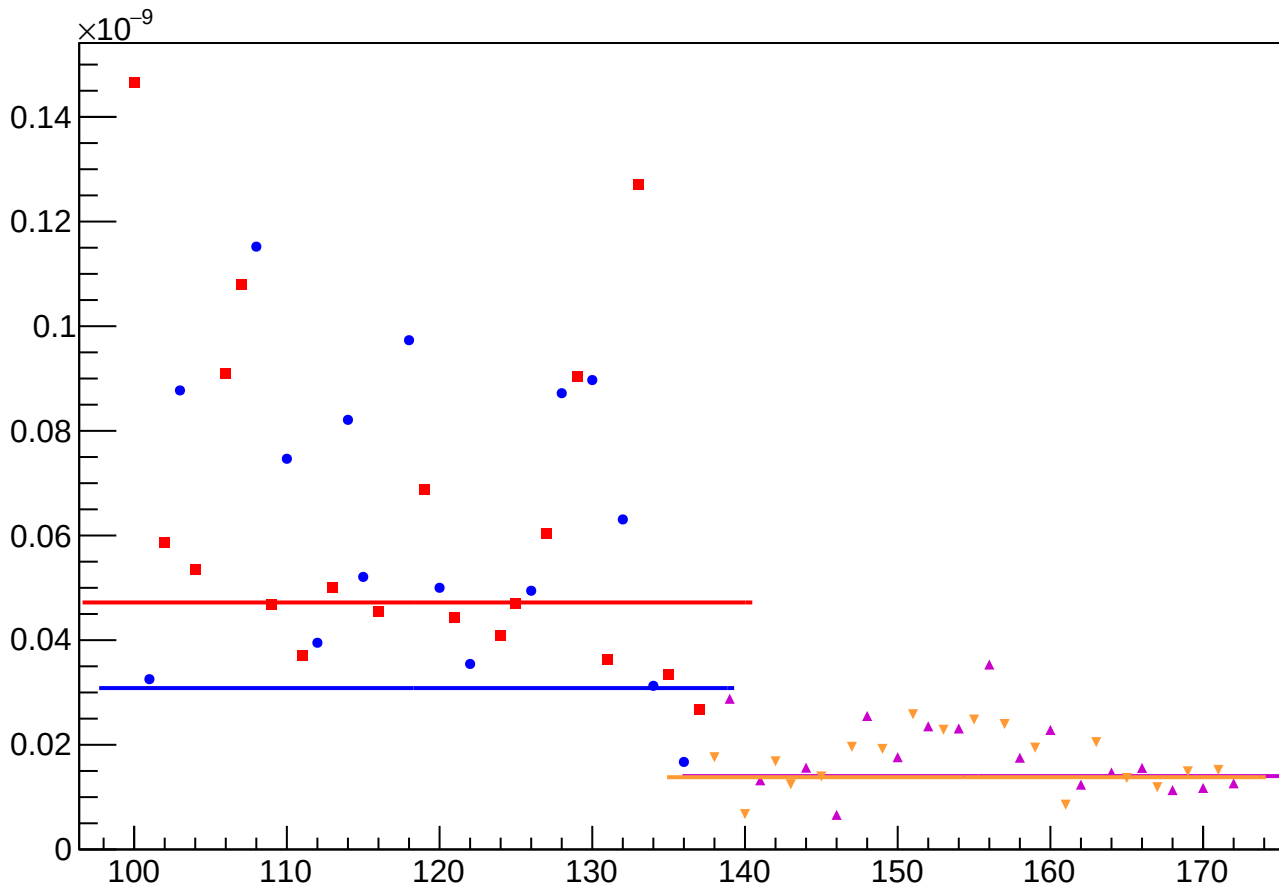
Left In: -0.000 ± 0.000 χ^2/NDF : 17.6/16

+ sign -0.000 ± 0.000 χ^2/NDF : 27.0/33

All: -0.000 ± 0.000 χ^2/NDF : 68.7/69

- sign -0.000 ± 0.000 χ^2/NDF : 41.6/35

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1364173.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 722091.3/18

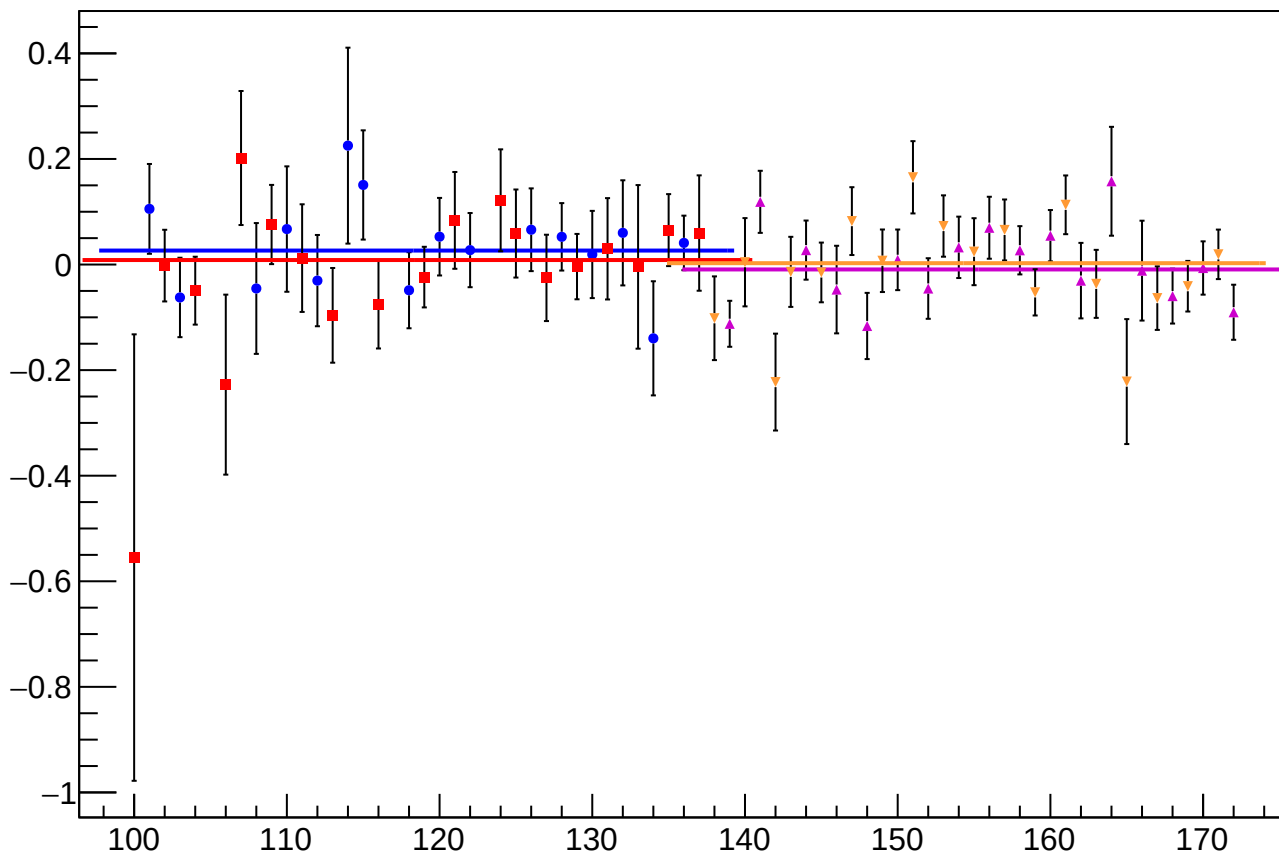
Left In: 0.000+/-0.000 χ^2/NDF : 1609328.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 4423578.6/33

All: 0.000+/-0.000 χ^2/NDF : 9314155.7/69

- sign 0.000+/-0.000 χ^2/NDF : 4883999.9/35

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: 0.003 $\pm$ 0.014 χ^2 /NDF: 29.5/17

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

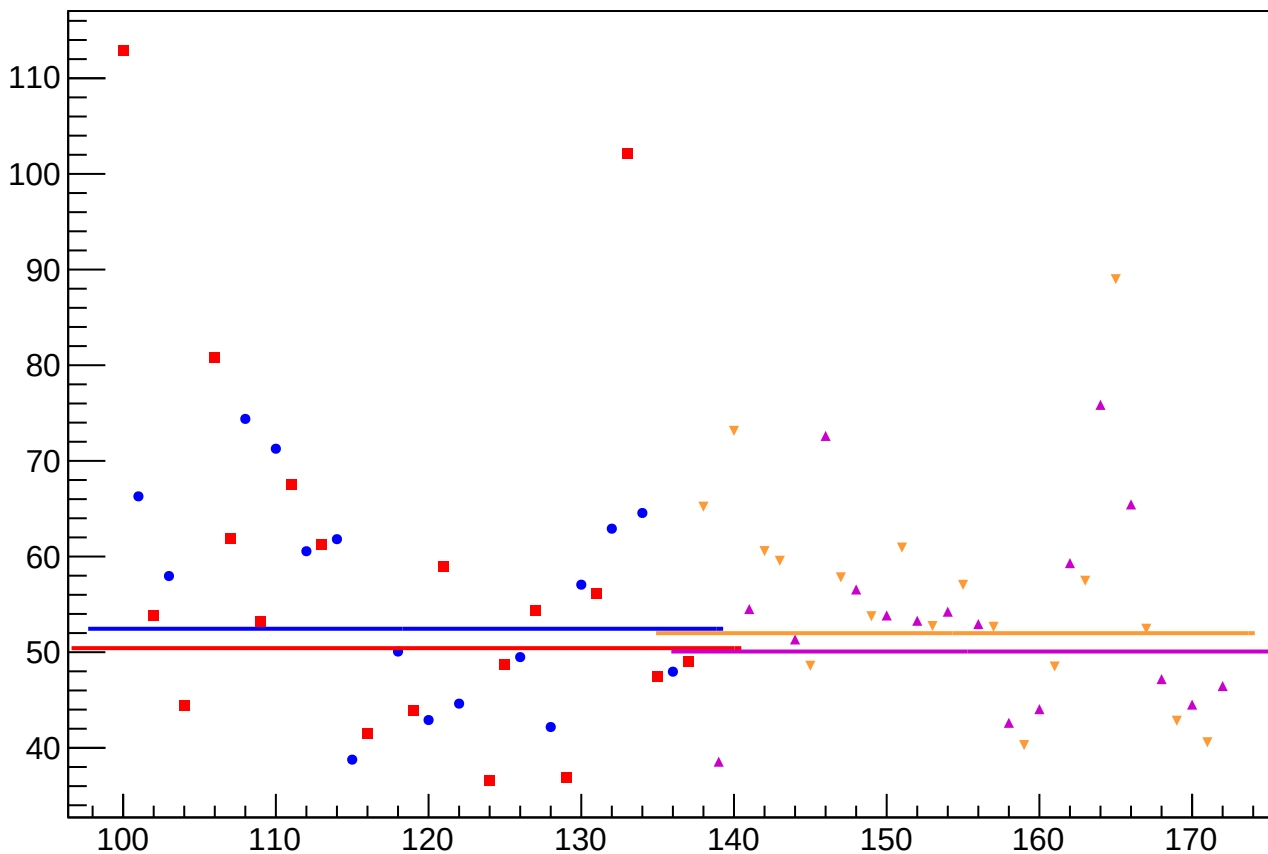
Left In: -0.009 $\pm$ 0.014 χ^2 /NDF: 25.1/16

+ sign 0.010 $\pm$ 0.012 χ^2 /NDF: 40.4/33

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 80.8/69

- sign -0.003 $\pm$ 0.011 χ^2 /NDF: 39.6/35

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.451+/-0.014 χ^2/NDF : 418014.5/15

Left Out: 51.989+/-0.010 χ^2/NDF : 851918.9/17

Right Out: 50.423+/-0.014 χ^2/NDF : 676747.2/18

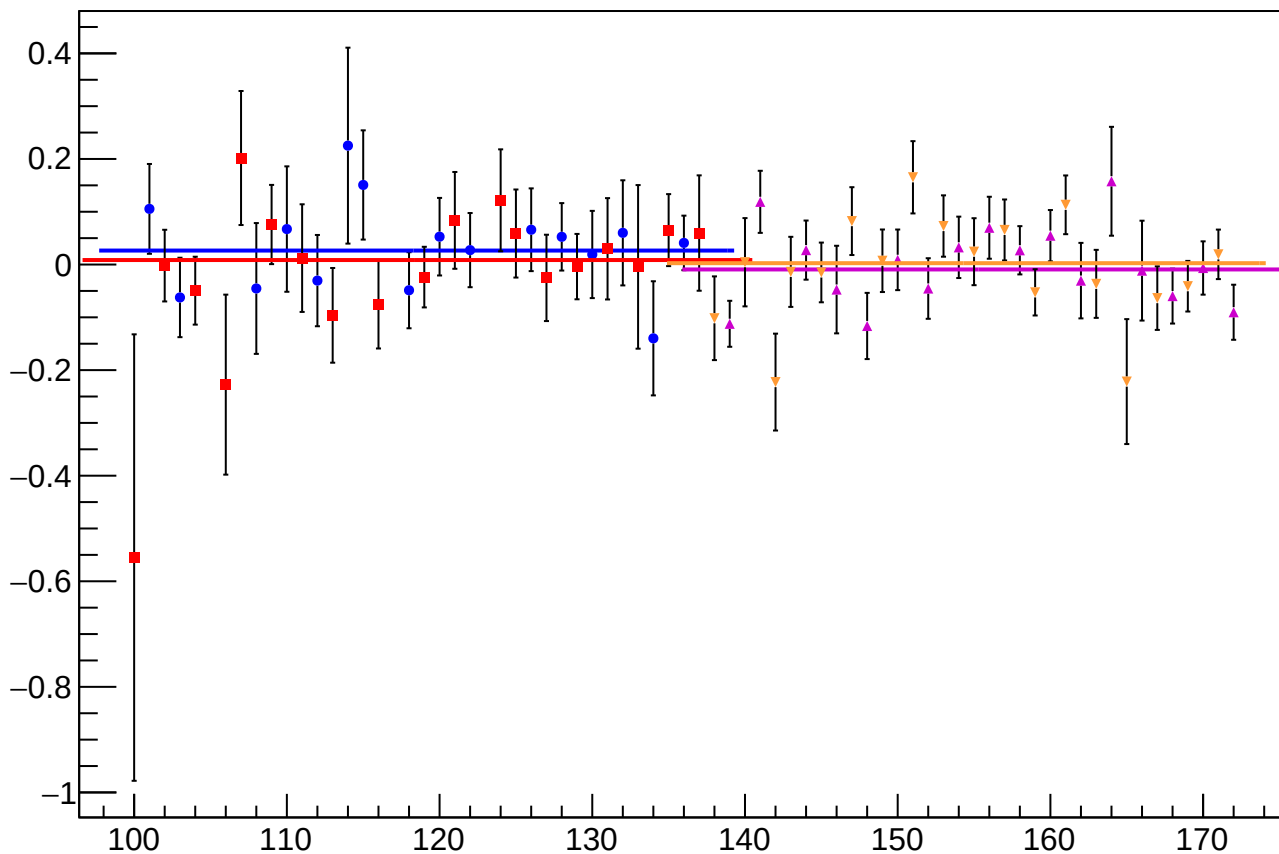
Left In: 50.071+/-0.010 χ^2/NDF : 686242.5/16

+ sign 52.142+/-0.008 χ^2/NDF : 1270618.3/33

All: 51.132+/-0.006 χ^2/NDF : 2662698.1/69

- sign 50.190+/-0.008 χ^2/NDF : 1363420.7/35

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

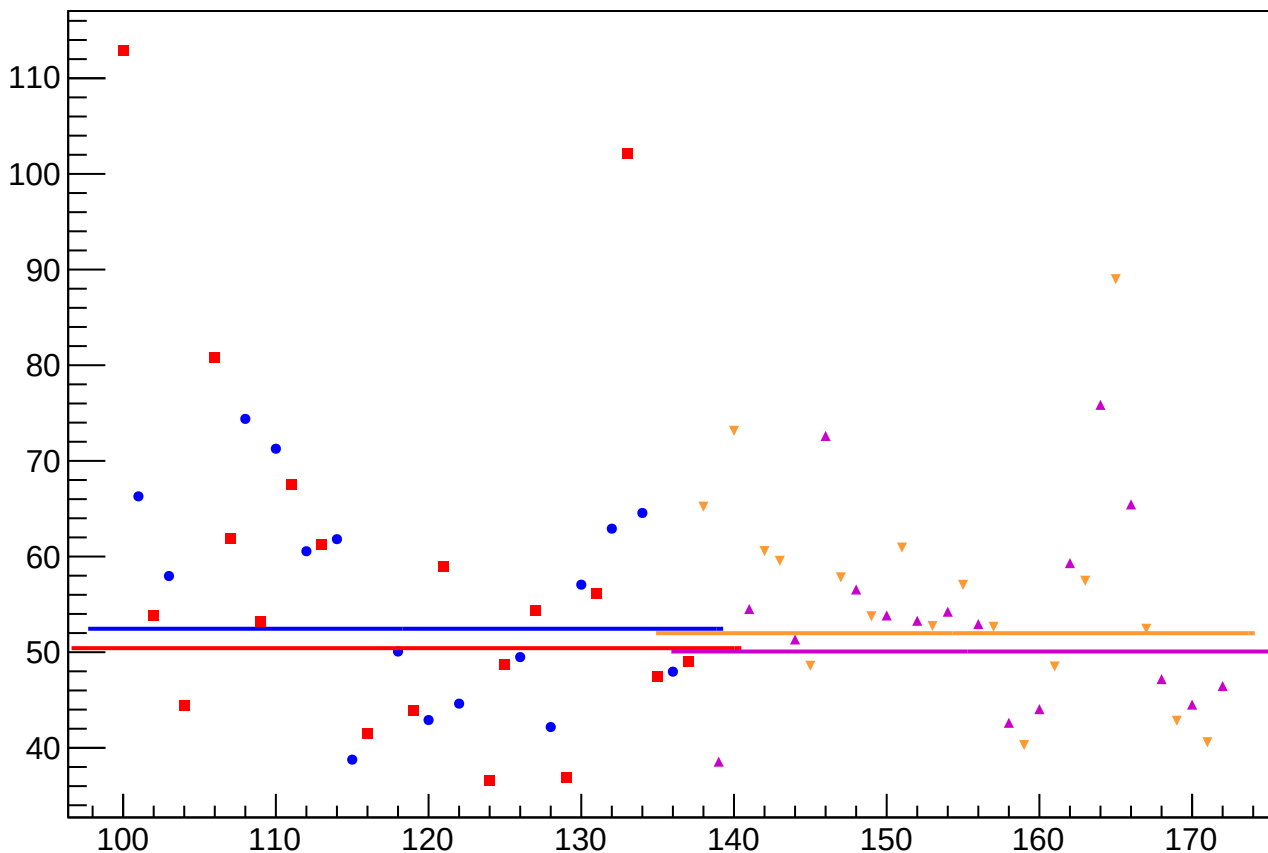
Left In: -0.009 ± 0.014 χ^2/NDF : 25.1/16

+ sign 0.010 ± 0.012 χ^2/NDF : 40.4/33

All: 0.003 ± 0.008 χ^2/NDF : 80.8/69

- sign -0.003 ± 0.011 χ^2/NDF : 39.6/35

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.451 $\pm$ 0.014 χ^2/NDF : 418014.5/15

Left Out: 51.989 $\pm$ 0.010 χ^2/NDF : 851918.9/17

Right Out: 50.423 $\pm$ 0.014 χ^2/NDF : 676747.2/18

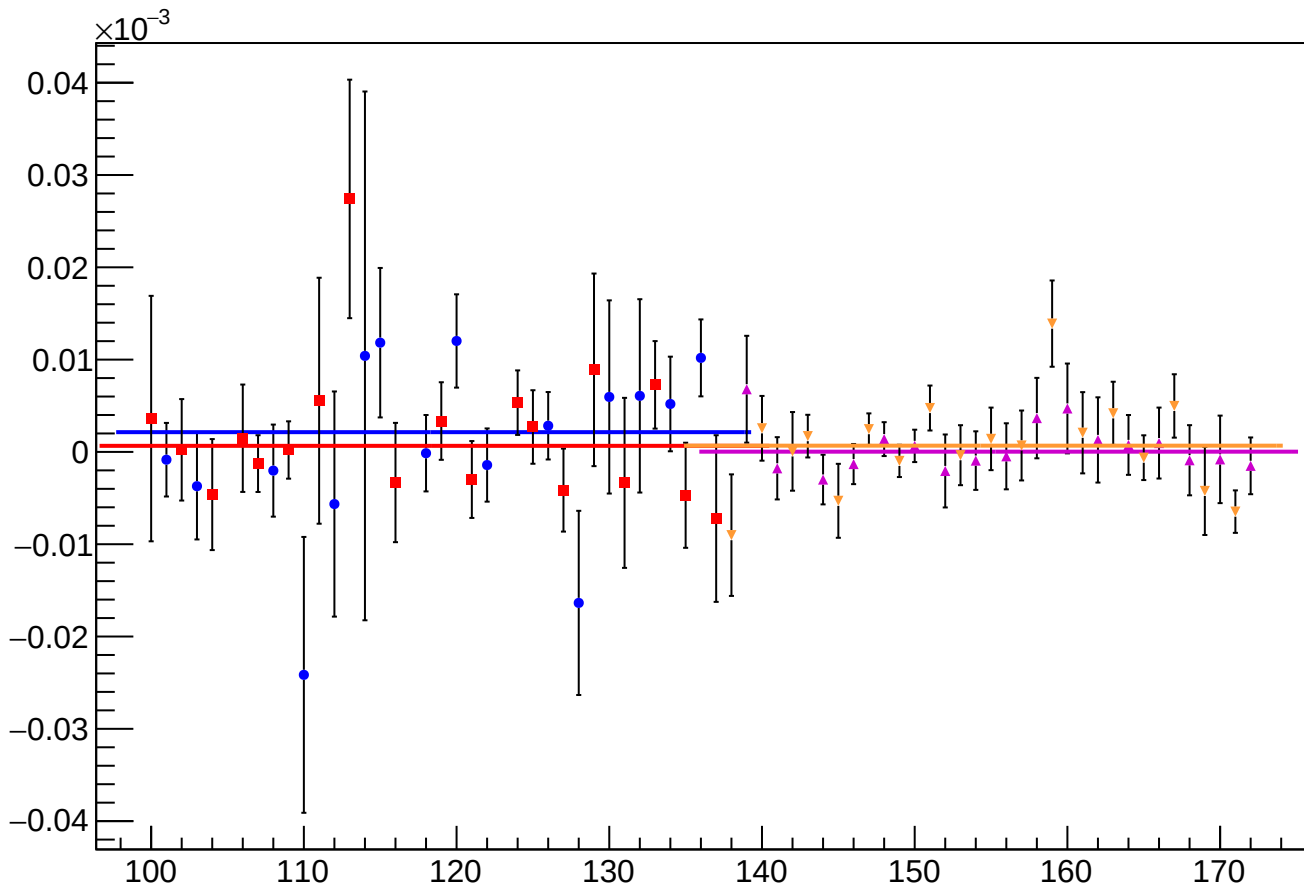
Left In: 50.071 $\pm$ 0.010 χ^2/NDF : 686242.5/16

+ sign 52.142 $\pm$ 0.008 χ^2/NDF : 1270618.3/33

All: 51.132 $\pm$ 0.006 χ^2/NDF : 2662698.1/69

- sign 50.190 $\pm$ 0.008 χ^2/NDF : 1363420.7/35

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 20.1/15

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 31.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 14.8/18

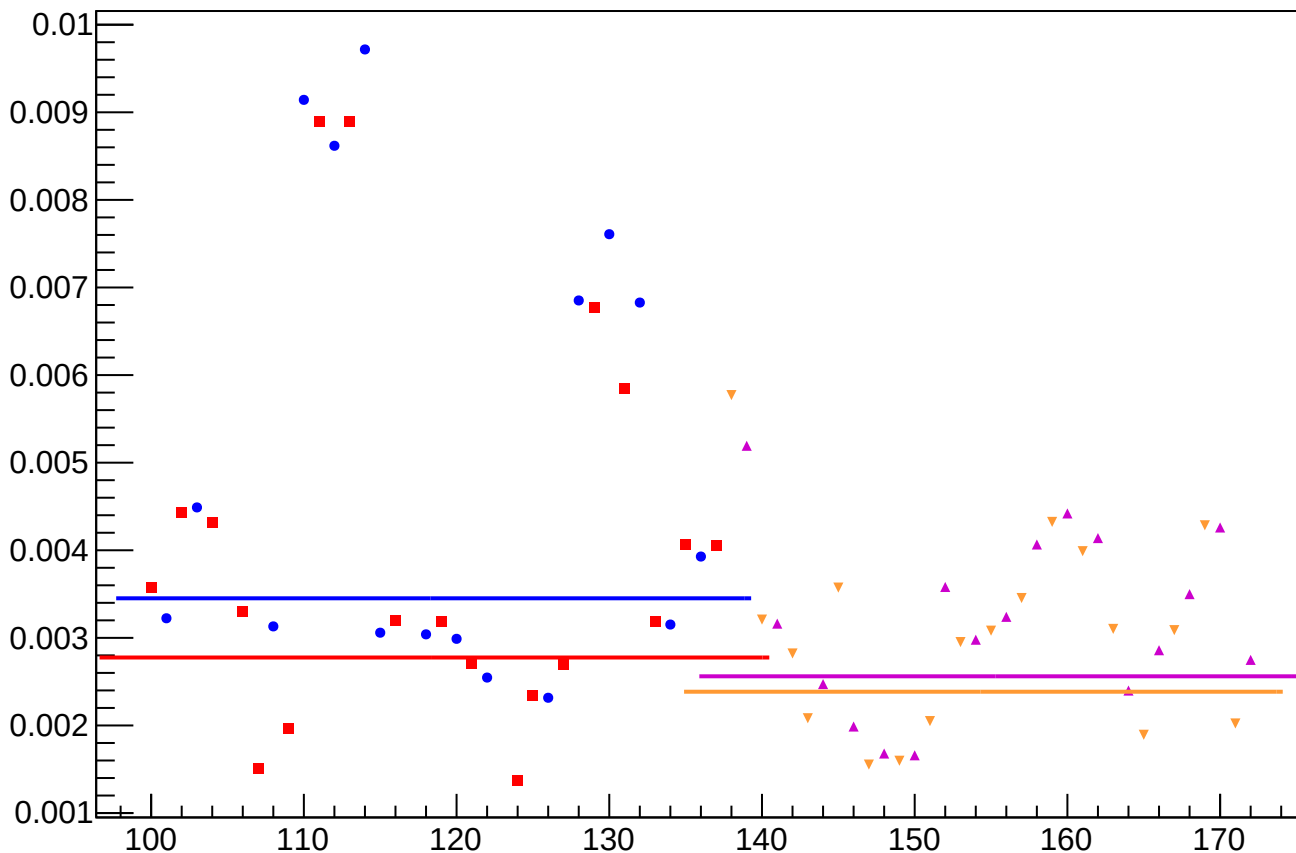
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 6.5/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 52.5/33

All: 0.000 $\pm$ 0.000 χ^2/NDF : 74.8/69

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 21.6/35

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

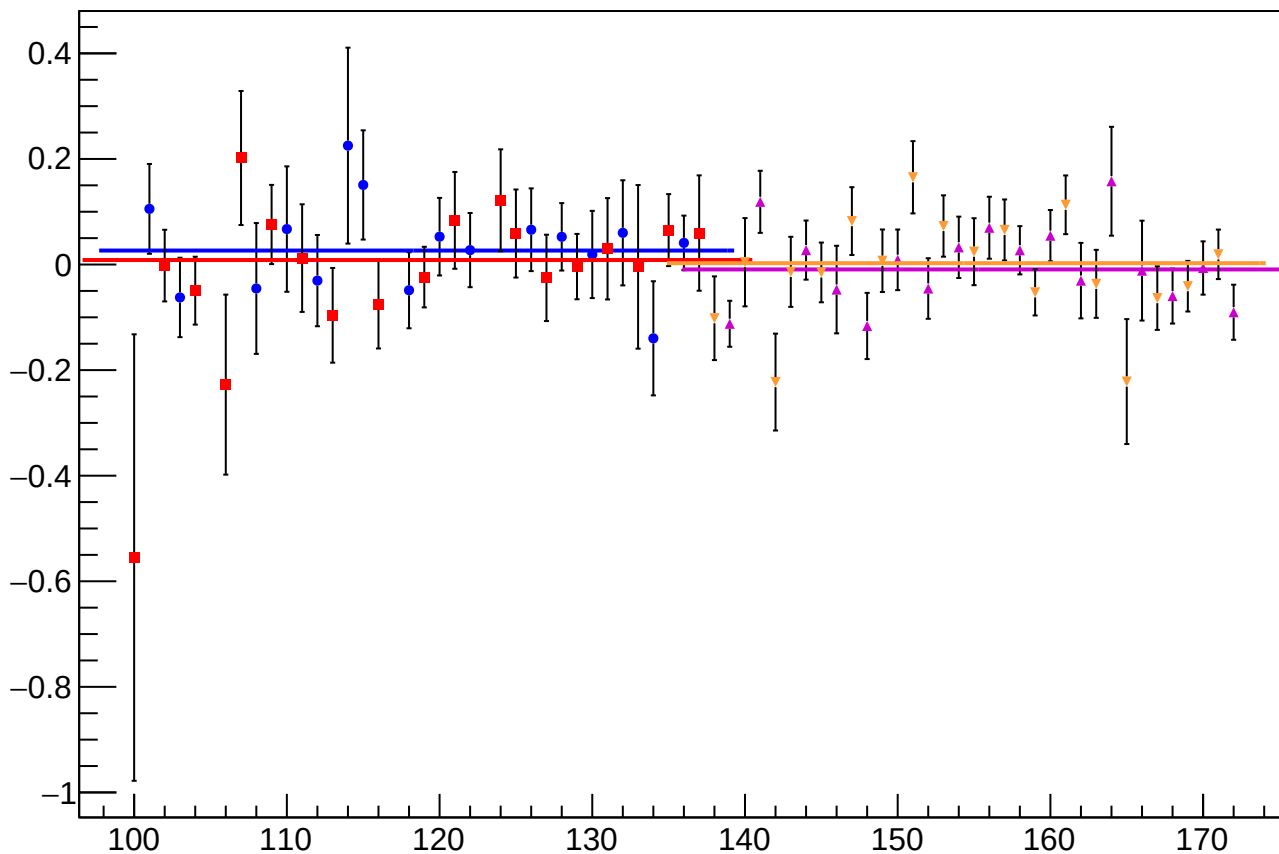
Left In: 0.003+/-0.000 χ^2/NDF : 3015527.8/16

+ sign 0.003+/-0.000 χ^2/NDF : 6230452.9/33

All: 0.003+/-0.000 χ^2/NDF : 12033170.4/69

- sign 0.003+/-0.000 χ^2/NDF : 5800029.1/35

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2 /NDF: 9.9/15

Left Out: 0.003 $\pm$ 0.014 χ^2 /NDF:29.5/17

Right Out: 0.009 $\pm$ 0.019 χ^2 /NDF: 13.9/18

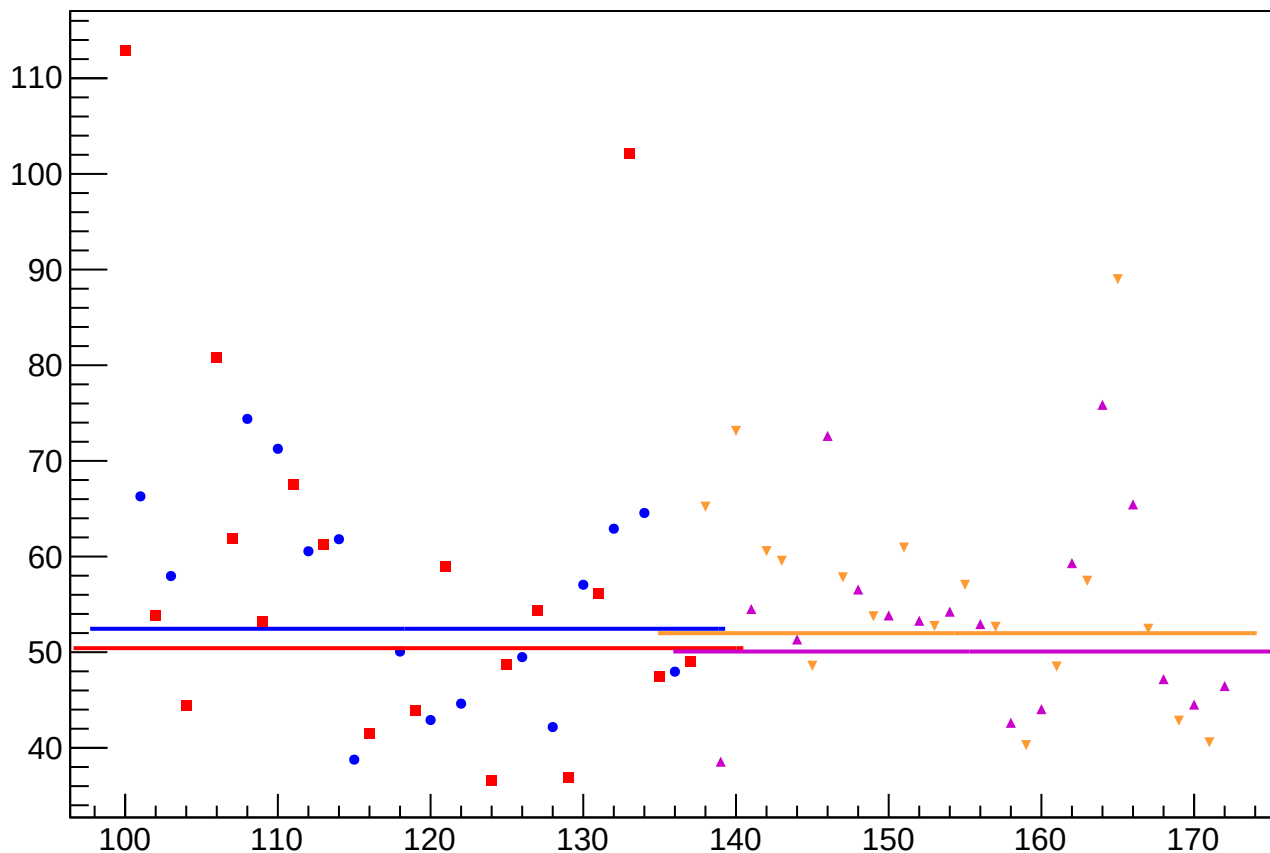
Left In: -0.009 $\pm$ 0.014 χ^2 /NDF:25.1/16

+ sign 0.010 $\pm$ 0.012 χ^2 /NDF: 40.4/33

All: 0.003 $\pm$ 0.008 χ^2 /NDF: 80.8/69

- sign -0.003 $\pm$ 0.011 χ^2 /NDF: 39.6/35

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.450 $\pm$ 0.014 χ^2 /NDF: 417967.5/15

Left Out: 51.990 $\pm$ 0.010 χ^2 /NDF: 851928.8/17

Right Out: 50.422 $\pm$ 0.014 χ^2 /NDF: 676753.5/18

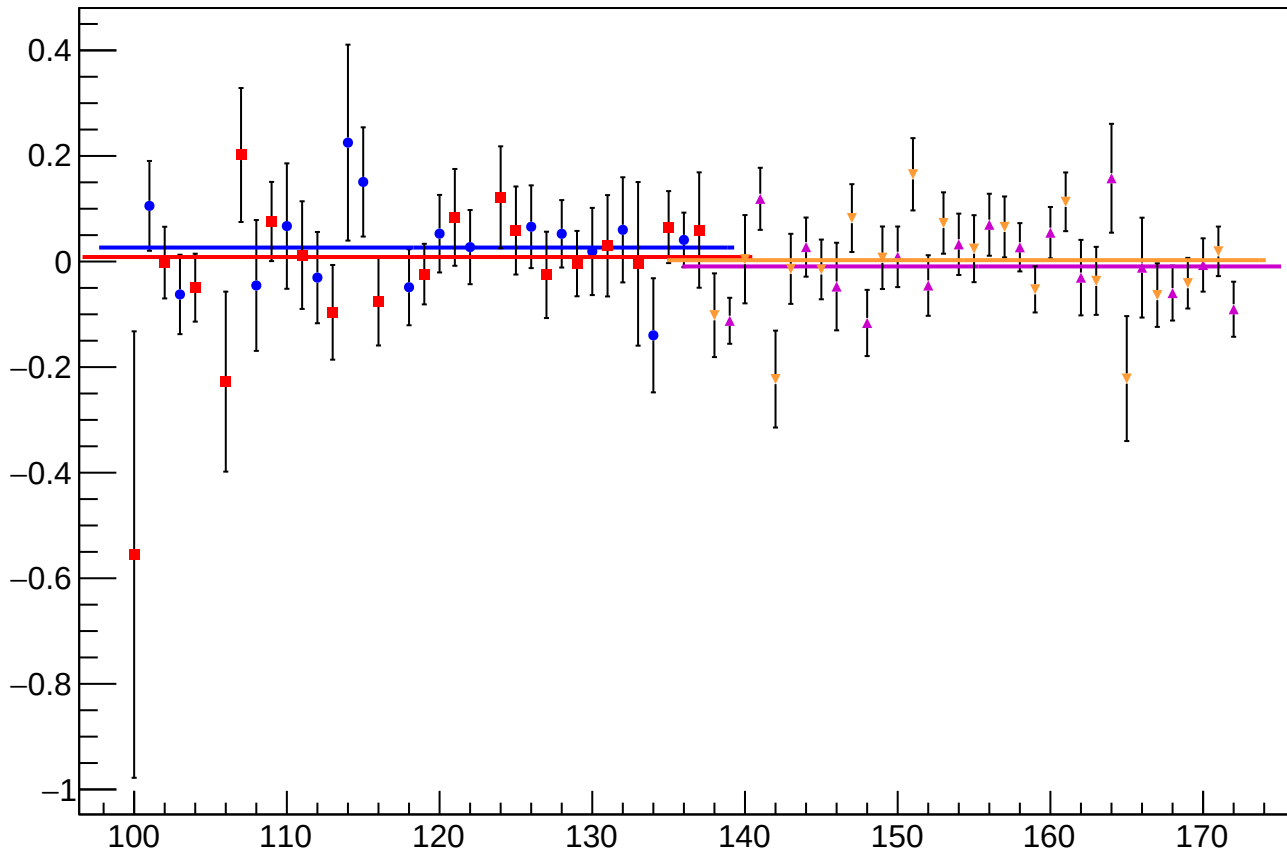
Left In: 50.072 $\pm$ 0.010 χ^2 /NDF: 686319.2/16

+ sign 52.142 $\pm$ 0.008 χ^2 /NDF: 1270576.6/33

All: 51.132 $\pm$ 0.006 χ^2 /NDF: 2662738.6/69

- sign 50.190 $\pm$ 0.008 χ^2 /NDF: 1363500.3/35

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.020 χ^2/NDF : 9.9/15

Left Out: 0.003 $\pm$ 0.014 χ^2/NDF : 29.5/17

Right Out: 0.009 $\pm$ 0.019 χ^2/NDF : 13.9/18

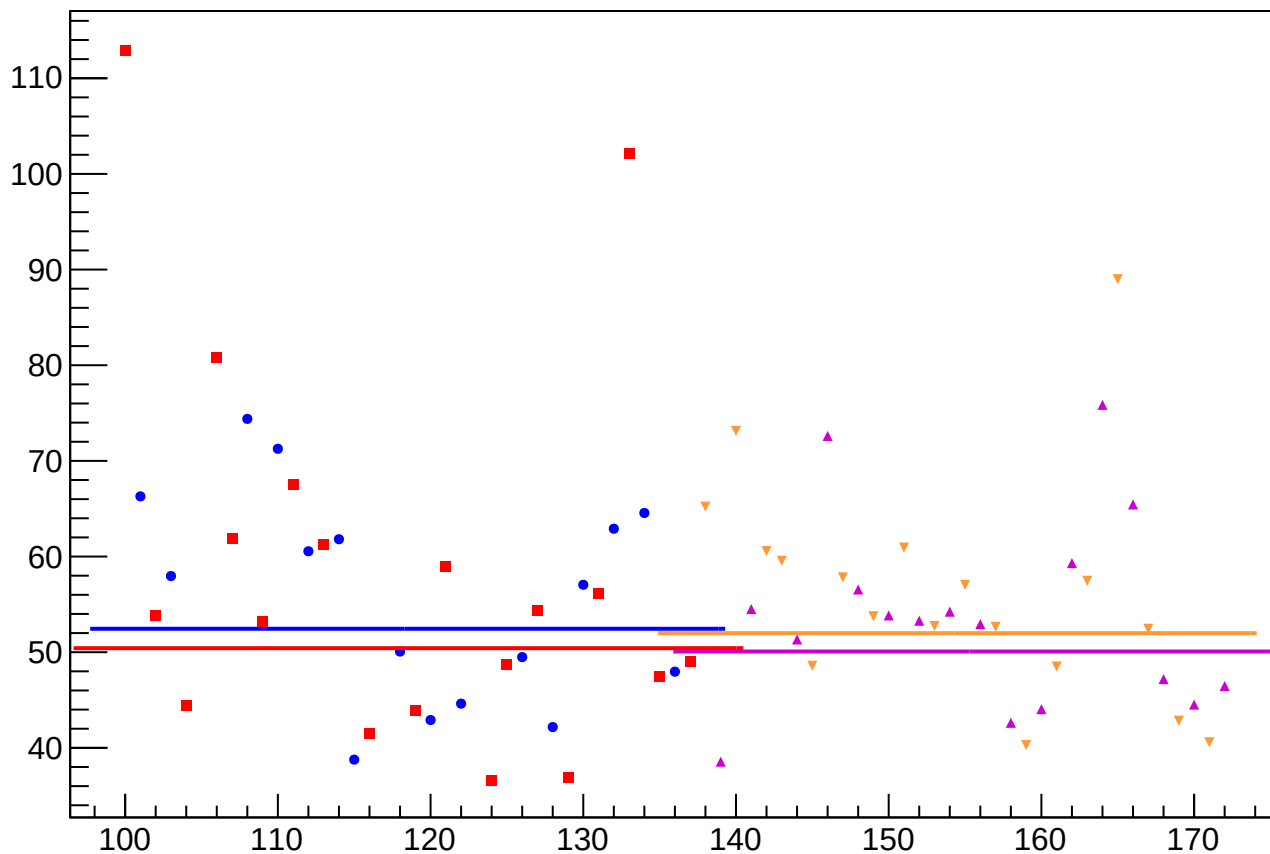
Left In: -0.009 $\pm$ 0.014 χ^2/NDF : 25.1/16

+ sign 0.010 $\pm$ 0.012 χ^2/NDF : 40.4/33

All: 0.003 $\pm$ 0.008 χ^2/NDF : 80.8/69

- sign -0.003 $\pm$ 0.011 χ^2/NDF : 39.6/35

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.450 ± 0.014 $\chi^2/\text{NDF}: 417967.5/15$

Left Out: 51.990 ± 0.010 $\chi^2/\text{NDF}: 851928.8/17$

Right Out: 50.422 ± 0.014 $\chi^2/\text{NDF}: 676753.5/18$

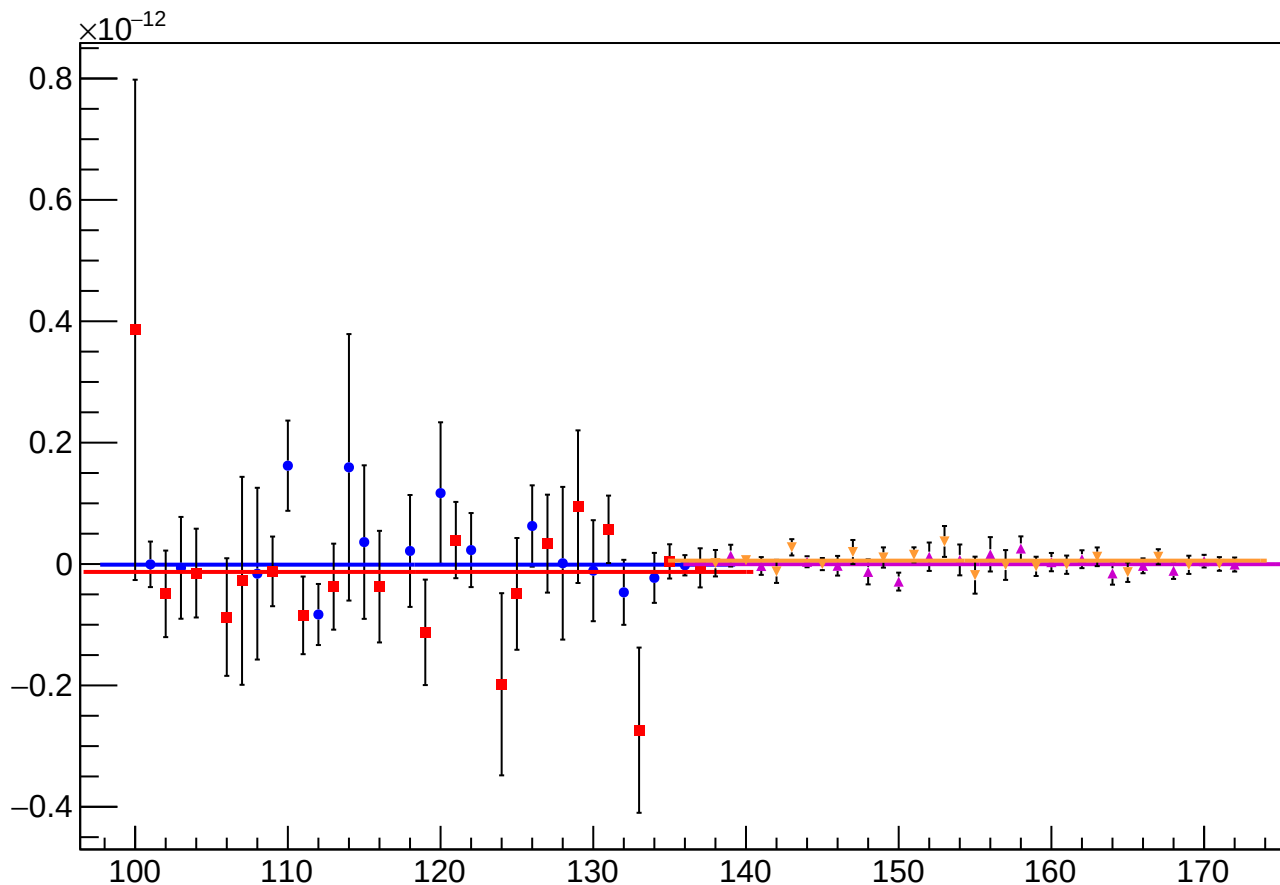
Left In: 50.072 ± 0.010 $\chi^2/\text{NDF}: 686319.2/16$

+ sign 52.142 ± 0.008 $\chi^2/\text{NDF}: 1270576.6/33$

All: 51.132 ± 0.006 $\chi^2/\text{NDF}: 2662738.6/69$

- sign 50.190 ± 0.008 $\chi^2/\text{NDF}: 1363500.3/35$

asym_sam_2468_avg_eigen_cor_vs_cor_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 : 10.2/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.7/18

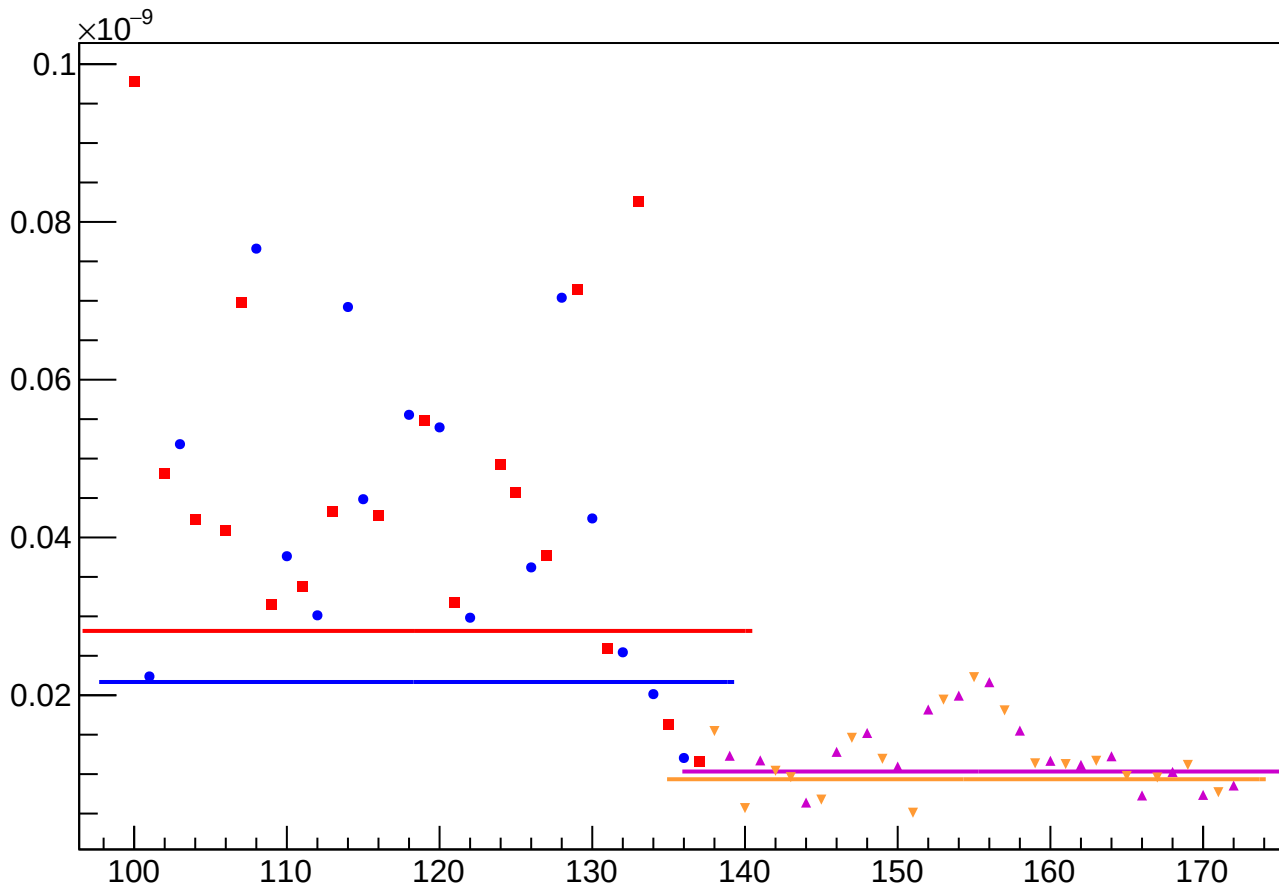
Left In: -0.000 ± 0.000 χ^2/NDF : 9.4/16

+ sign 0.000 ± 0.000 χ^2/NDF : 21.7/33

All: 0.000 ± 0.000 χ^2/NDF : 47.1/69

- sign -0.000 ± 0.000 χ^2/NDF : 23.7/35

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 2232836.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2381736.6/18

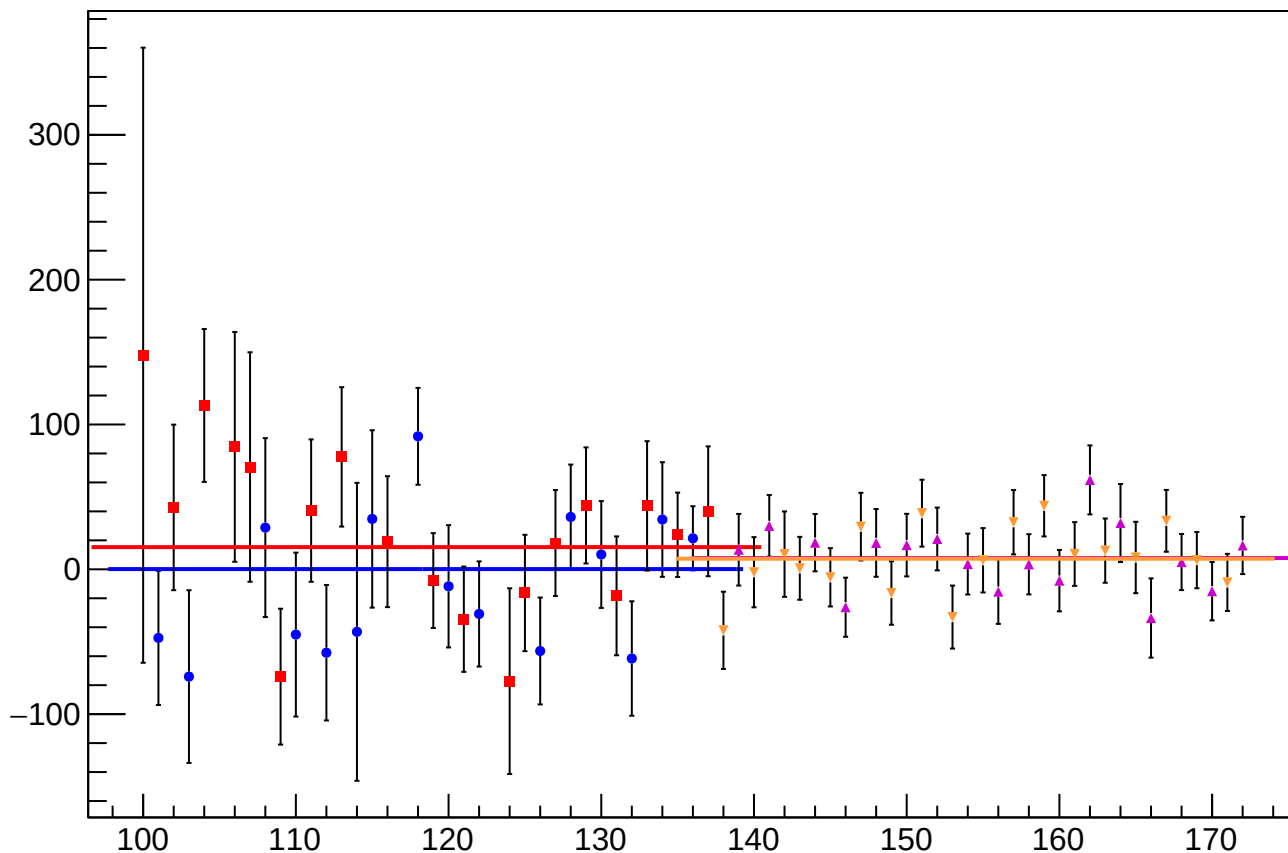
Left In: 0.000+/-0.000 χ^2/NDF : 1923784.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 6716566.9/33

All: 0.000+/-0.000 χ^2/NDF : 13975300.5/69

- sign 0.000+/-0.000 χ^2/NDF : 7154149.4/35

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

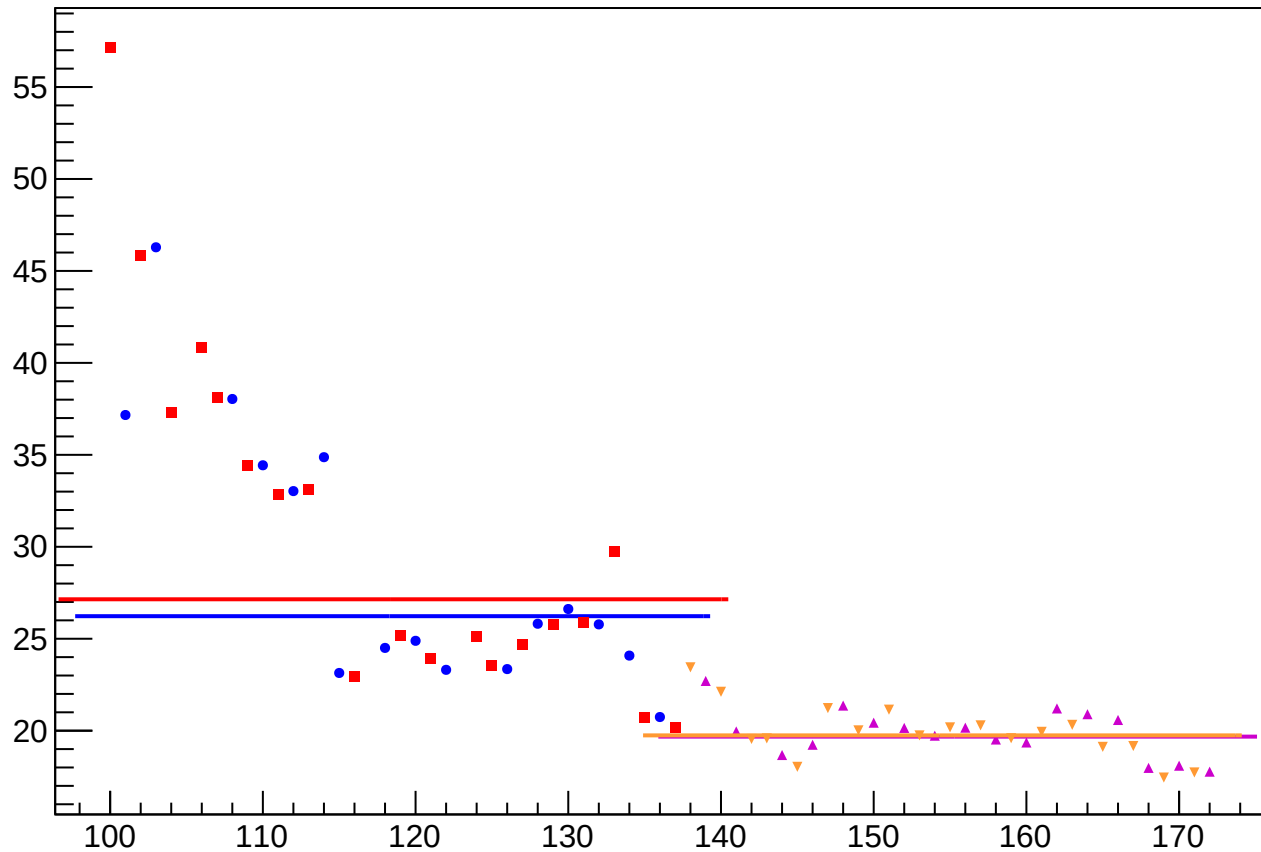
Left In: 7.819 ± 5.279 χ^2/NDF : 16.4/16

+ sign 5.786 ± 4.657 χ^2/NDF : 39.7/33

All: 7.573 ± 3.306 χ^2/NDF : 74.8/69

- sign 9.390 ± 4.695 χ^2/NDF : 34.8/35

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676026.2/15

Left Out: 19.745 $\pm$ 0.004 χ^2 /NDF: 143055.8/17

Right Out: 27.145 $\pm$ 0.007 χ^2 /NDF: 755419.8/18

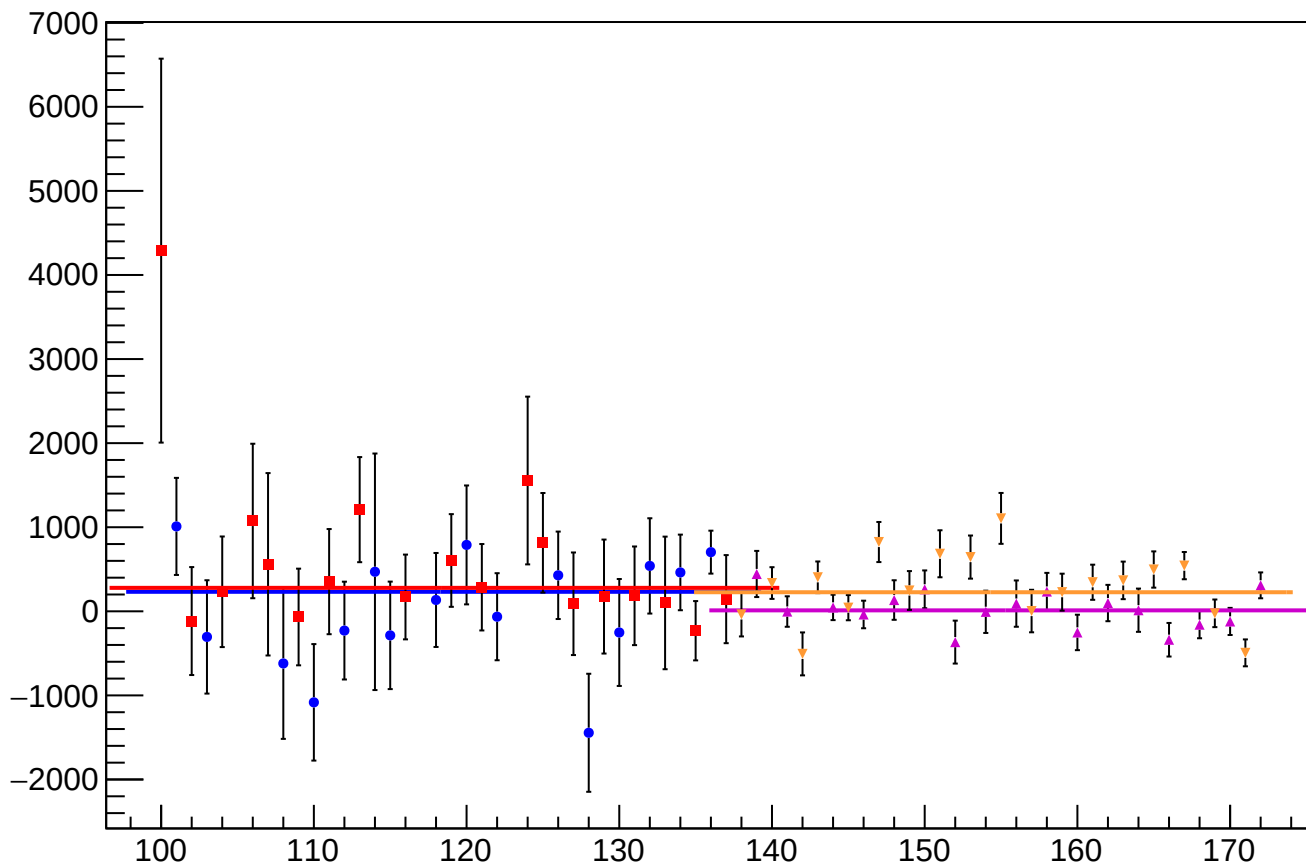
Left In: 19.678 $\pm$ 0.004 χ^2 /NDF: 112618.7/16

+ sign 21.138 $\pm$ 0.003 χ^2 /NDF: 1472510.1/33

All: 21.188 $\pm$ 0.002 χ^2 /NDF: 3177858.4/69

- sign 21.239 $\pm$ 0.003 χ^2 /NDF: 1704881.8/35

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 232.092 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 226.852 $\pm$ 48.723 χ^2 /NDF: 61.6/17

Right Out: 279.042 $\pm$ 139.965 χ^2 /NDF: 12.1/18

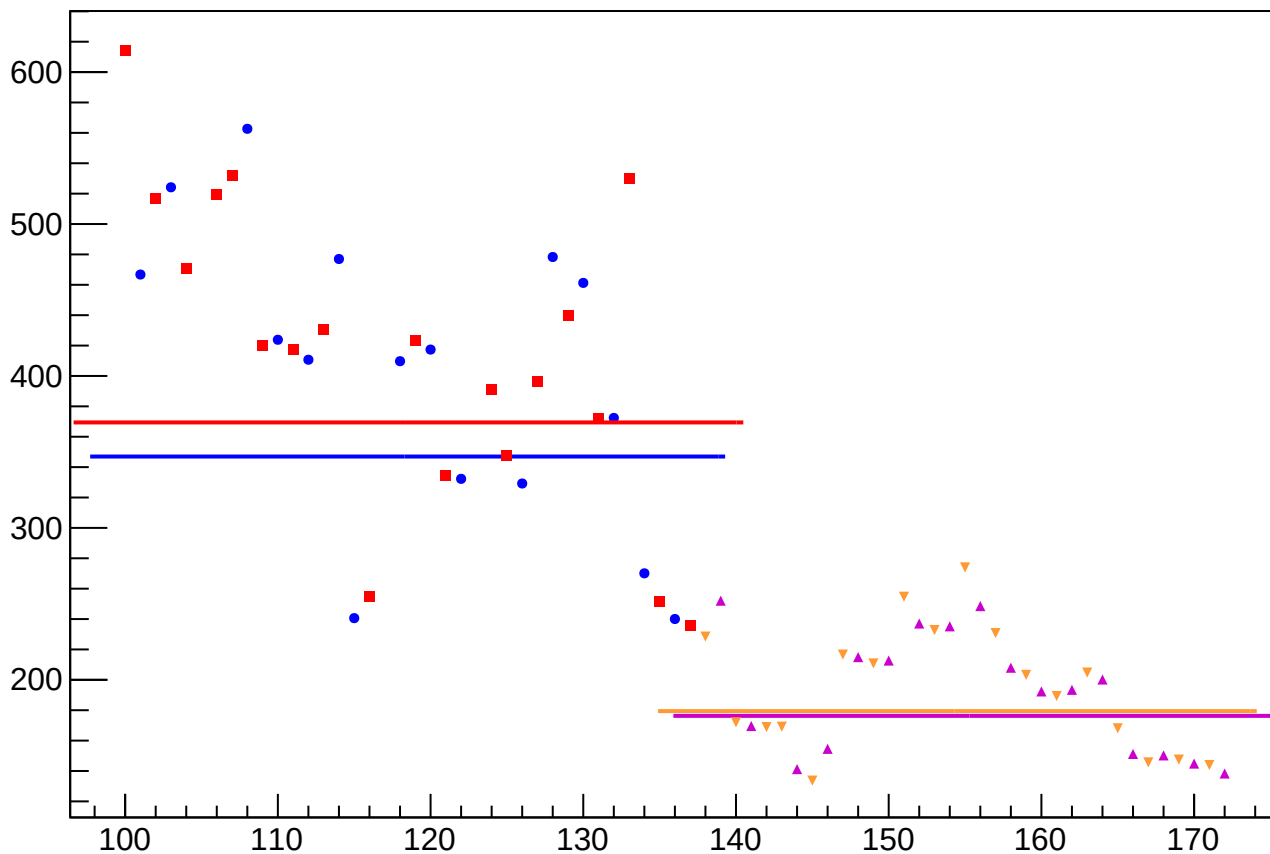
Left In: 11.276 $\pm$ 48.202 χ^2 /NDF: 17.7/16

+ sign 227.457 $\pm$ 45.825 χ^2 /NDF: 81.2/33

All: 133.047 $\pm$ 32.314 χ^2 /NDF: 122.8/69

- sign 39.666 $\pm$ 45.575 χ^2 /NDF: 33.1/35

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



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

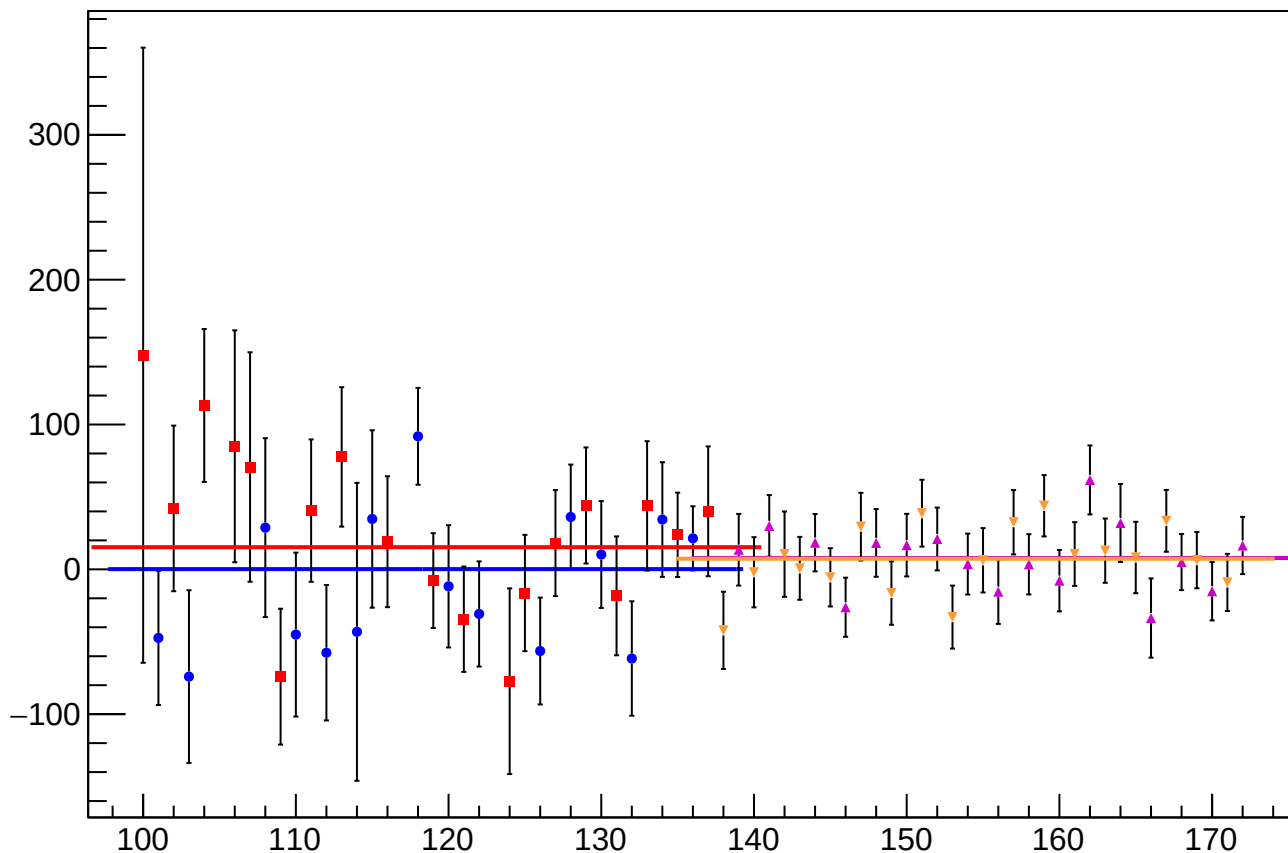
Left In: 176.284 ± 0.034 χ^2/NDF : 1128623.9/16

+ sign 198.760 ± 0.032 χ^2/NDF : 4972721.9/33

All: 197.755 ± 0.023 χ^2/NDF : 10426202.7/69

- sign 196.760 ± 0.032 χ^2/NDF : 5451564.5/35

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

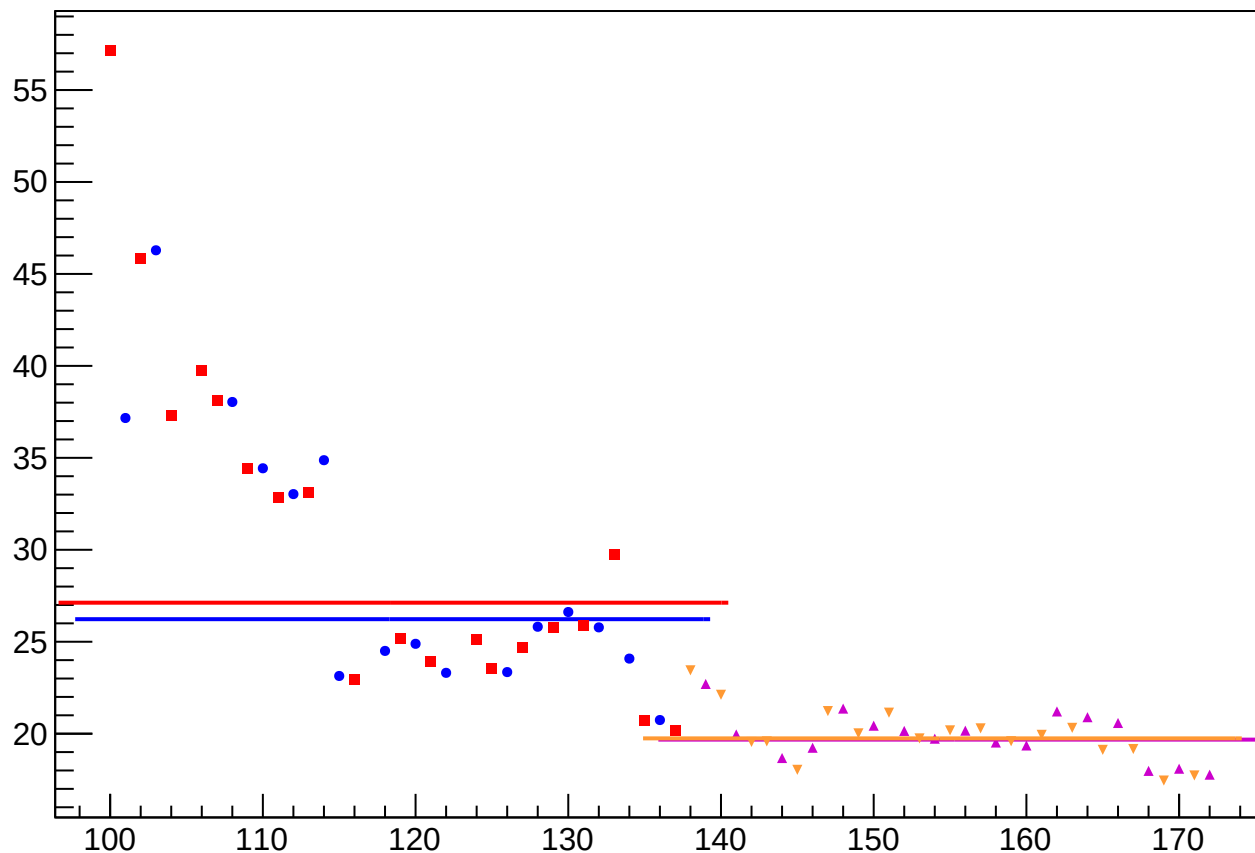
Left In: 7.819 ± 5.279 χ^2/NDF : 16.4/16

+ sign 5.786 ± 4.657 χ^2/NDF : 39.7/33

All: 7.569 ± 3.306 χ^2/NDF : 74.8/69

- sign 9.381 ± 4.695 χ^2/NDF : 34.7/35

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.227 $\pm$ 0.007 χ^2 /NDF: 676029.5/15

Left Out: 19.745 $\pm$ 0.004 χ^2 /NDF: 143055.8/17

Right Out: 27.123 $\pm$ 0.007 χ^2 /NDF: 745675.5/18

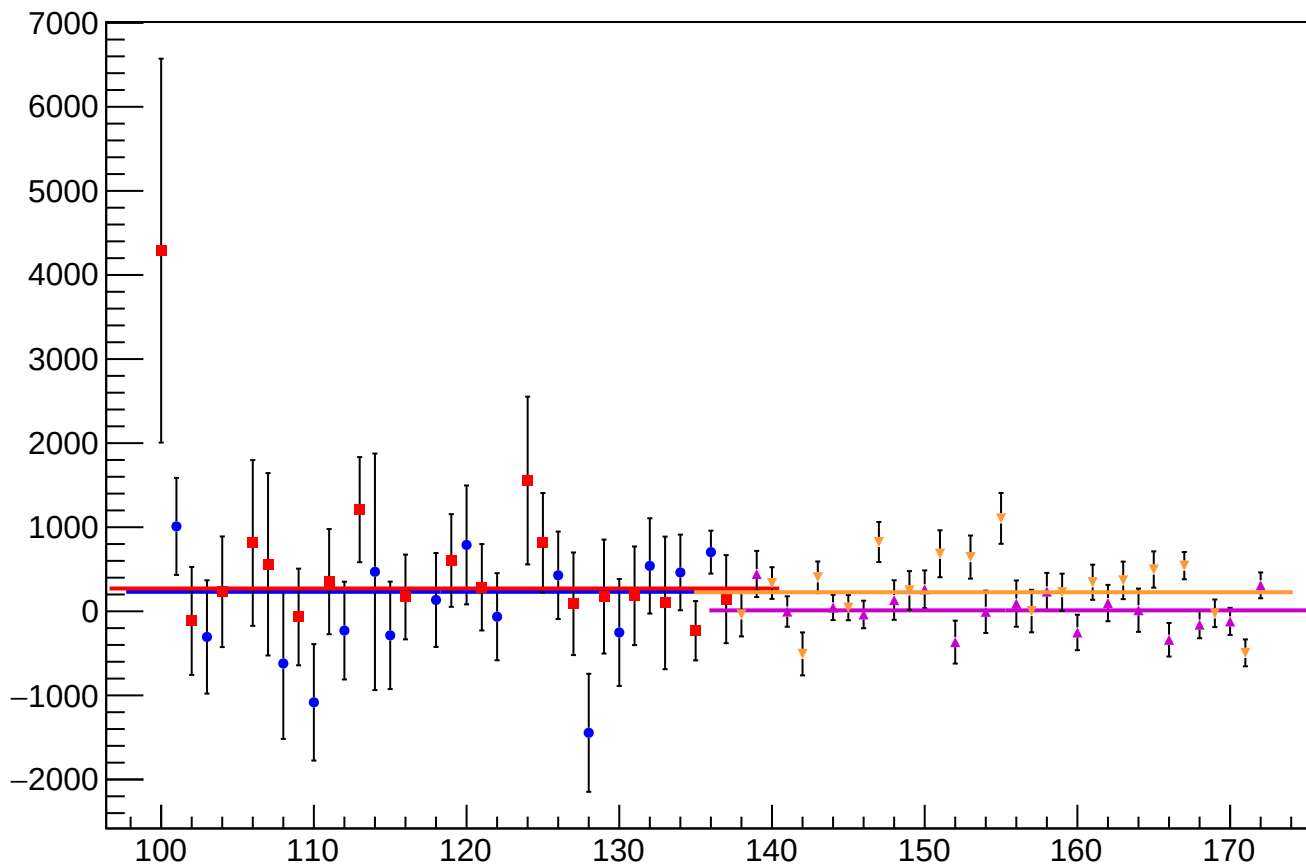
Left In: 19.678 $\pm$ 0.004 χ^2 /NDF: 112618.7/16

+ sign 21.138 $\pm$ 0.003 χ^2 /NDF: 1472513.4/33

All: 21.186 $\pm$ 0.002 χ^2 /NDF: 3162949.5/69

- sign 21.234 $\pm$ 0.003 χ^2 /NDF: 1690014.5/35

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 232.084 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 226.851 $\pm$ 48.723 χ^2 /NDF: 61.6/17

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

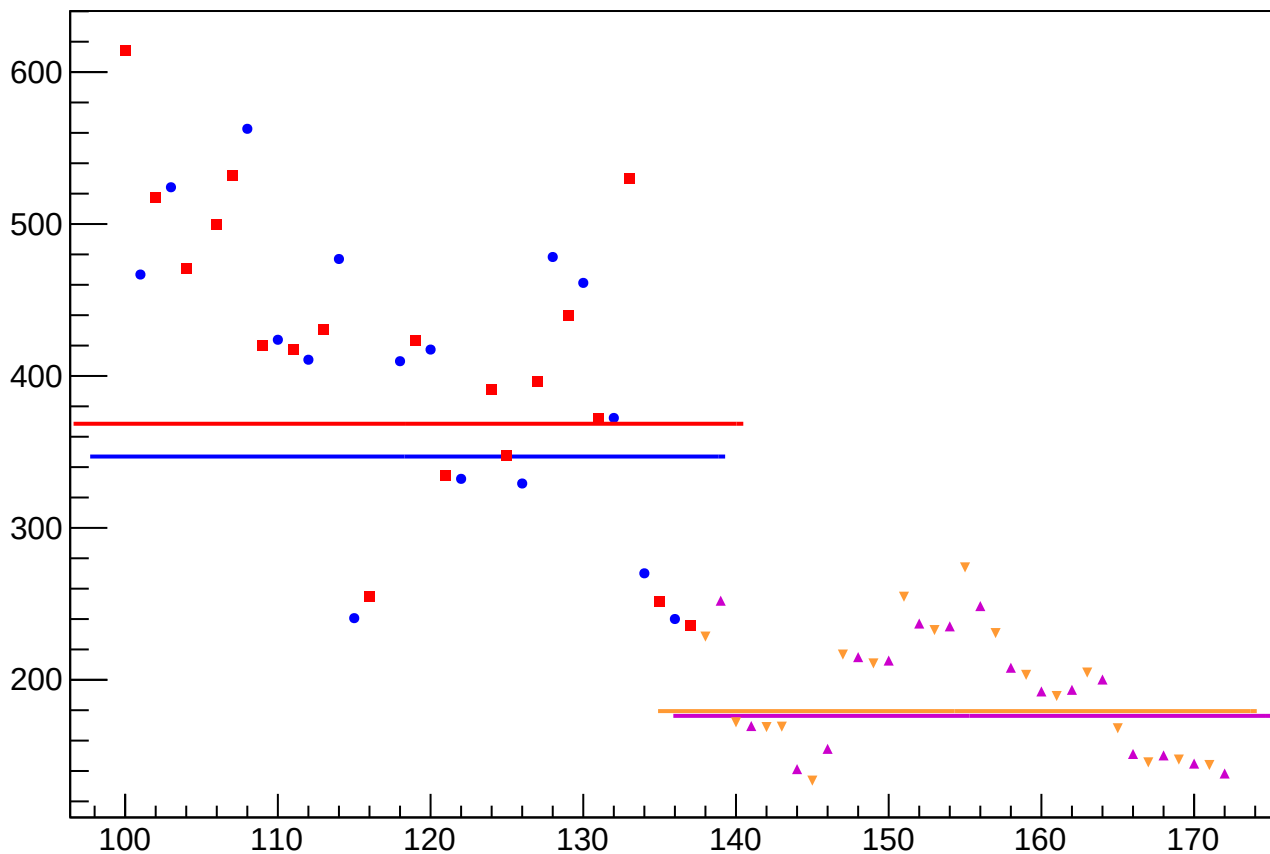
Left In: 11.277 $\pm$ 48.202 χ^2 /NDF: 17.7/16

+ sign 227.455 $\pm$ 45.825 χ^2 /NDF: 81.2/33

All: 132.617 $\pm$ 32.317 χ^2 /NDF: 122.2/69

- sign 38.781 $\pm$ 45.582 χ^2 /NDF: 32.4/35

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



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

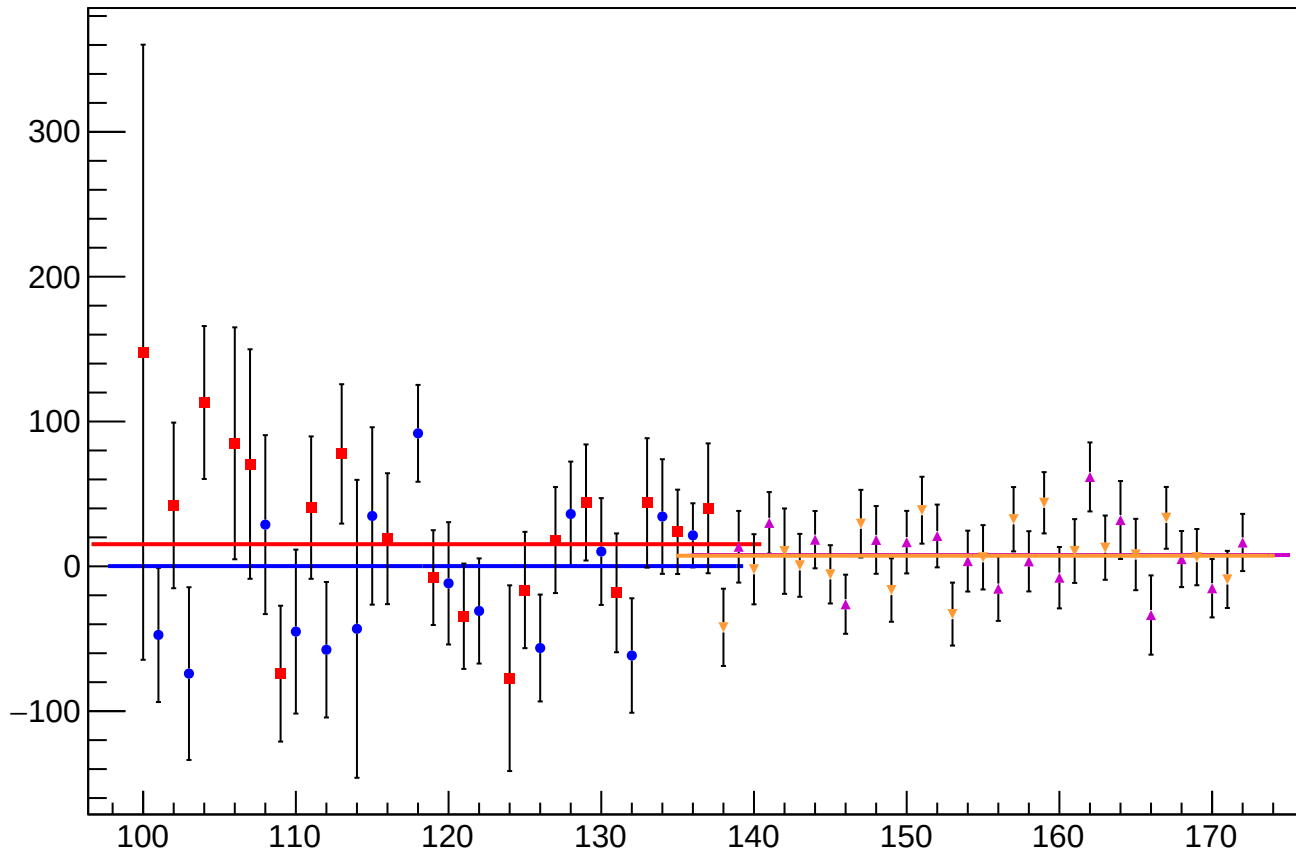
Left In: 176.284 ± 0.034 χ^2/NDF : 1128619.8/16

+ sign 198.760 ± 0.032 χ^2/NDF : 4972752.3/33

All: 197.680 ± 0.023 χ^2/NDF : 10368034.2/69

- sign 196.611 ± 0.032 χ^2/NDF : 5393071.4/35

eigen_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

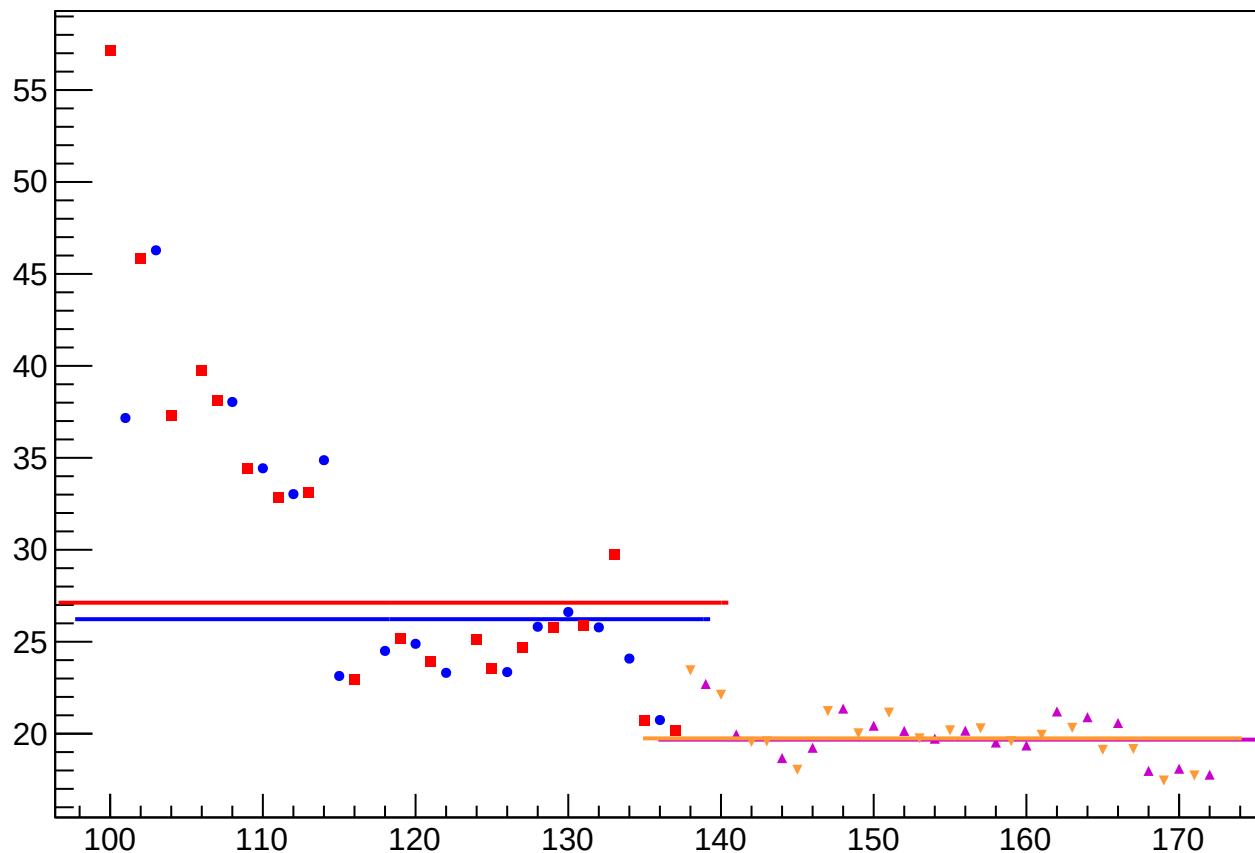
Left In: 7.819 ± 5.279 χ^2/NDF : 16.4/16

+ sign 5.786 ± 4.657 χ^2/NDF : 39.7/33

All: 7.569 ± 3.306 χ^2/NDF : 74.8/69

- sign 9.381 ± 4.695 χ^2/NDF : 34.7/35

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

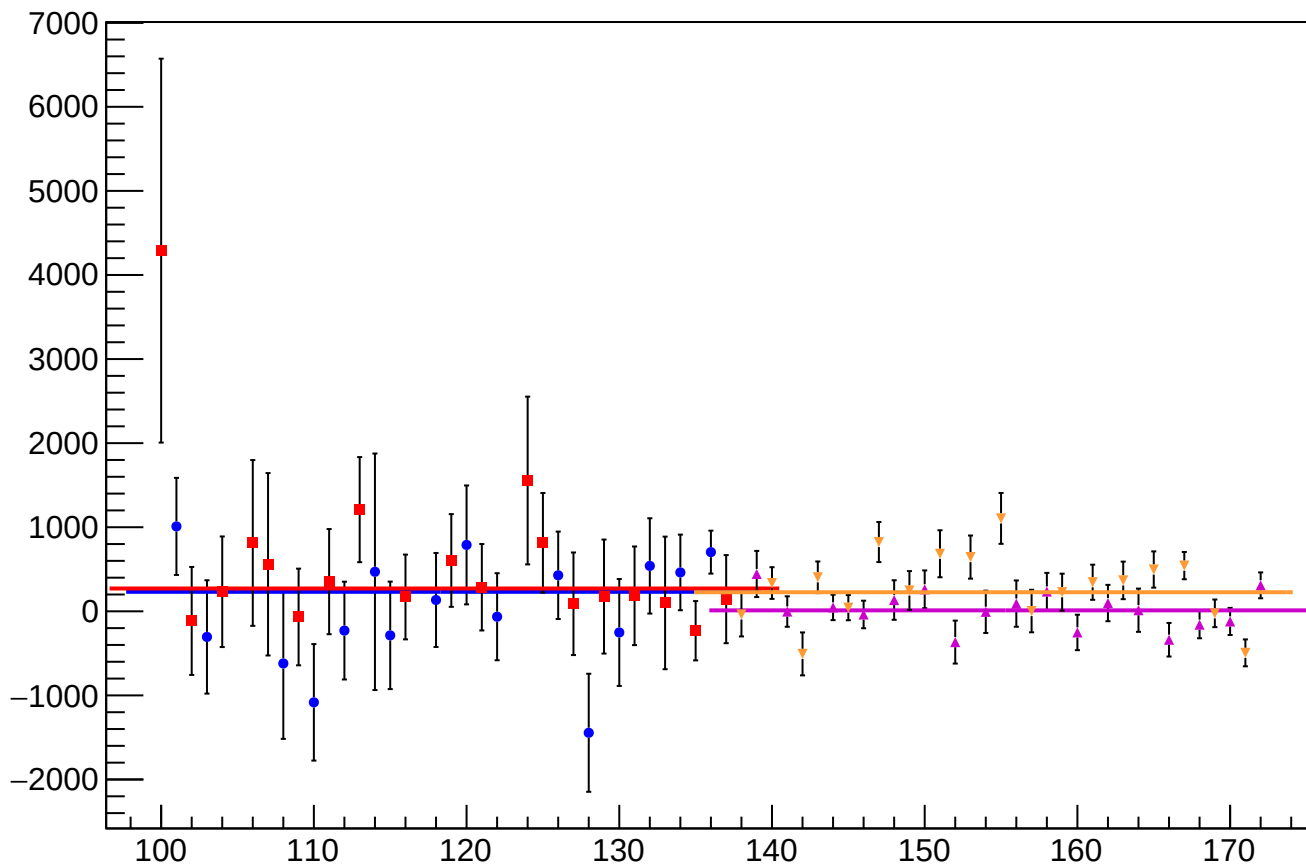
Left In: 19.678 ± 0.004 χ^2/NDF : 112618.7/16

+ sign 21.138 ± 0.003 χ^2/NDF : 1472513.4/33

All: 21.186 ± 0.002 χ^2/NDF : 3162949.5/69

- sign 21.234 ± 0.003 χ^2/NDF : 1690014.5/35

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 232.084 $\pm$ 134.871 χ^2 /NDF: 19.6/15

Left Out: 226.851 $\pm$ 48.723 χ^2 /NDF:61.6/17

Right Out: 271.412 $\pm$ 140.183 χ^2 /NDF: 11.6/18

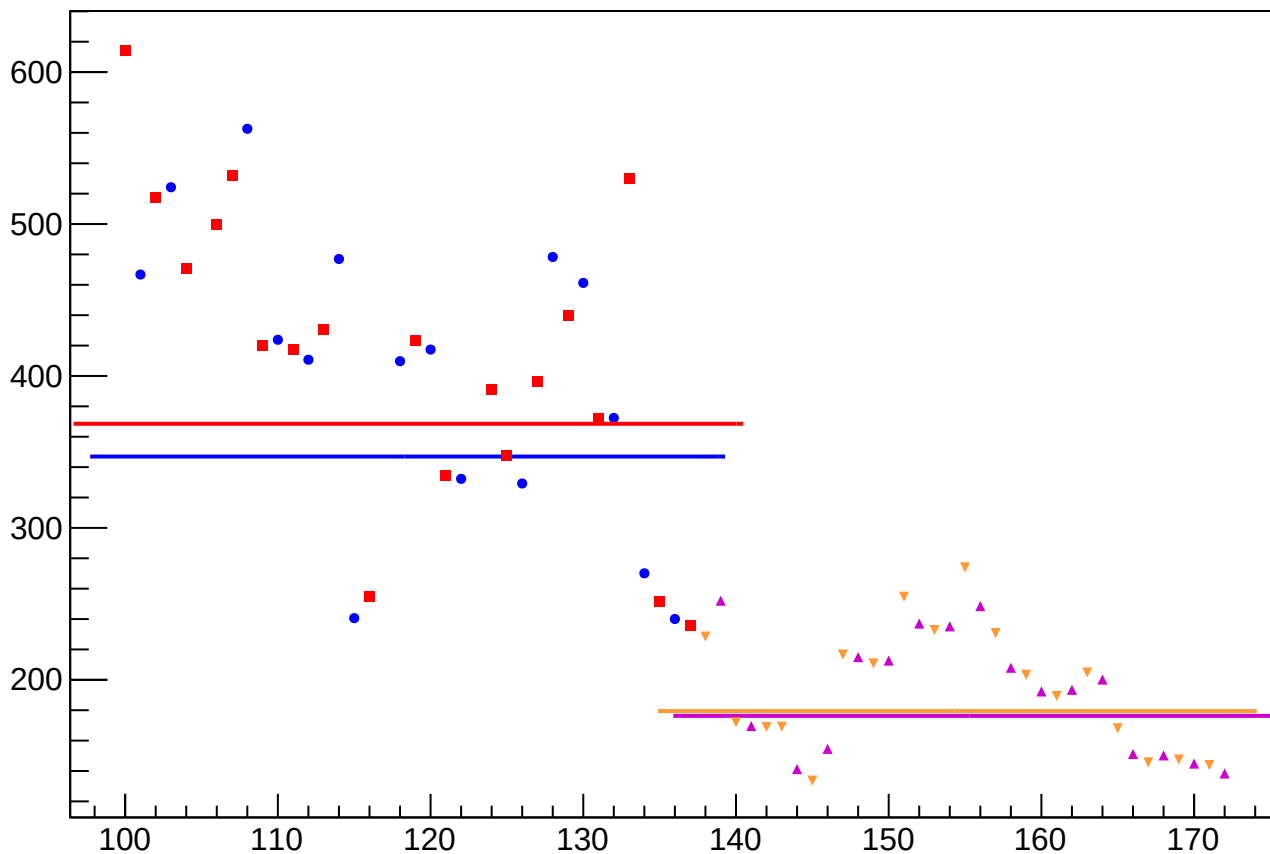
Left In: 11.277 $\pm$ 48.202 χ^2 /NDF:17.7/16

+ sign 227.455 $\pm$ 45.825 χ^2 /NDF: 81.2/33

All: 132.617 $\pm$ 32.317 χ^2 /NDF: 122.2/69

- sign 38.781 $\pm$ 45.582 χ^2 /NDF: 32.4/35

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 346.969 $\pm$ 0.095 χ^2 /NDF: 1058057.4/15

Left Out: 179.418 $\pm$ 0.034 χ^2 /NDF: 1184363.2/17

Right Out: 368.543 $\pm$ 0.099 χ^2 /NDF: 900219.6/18

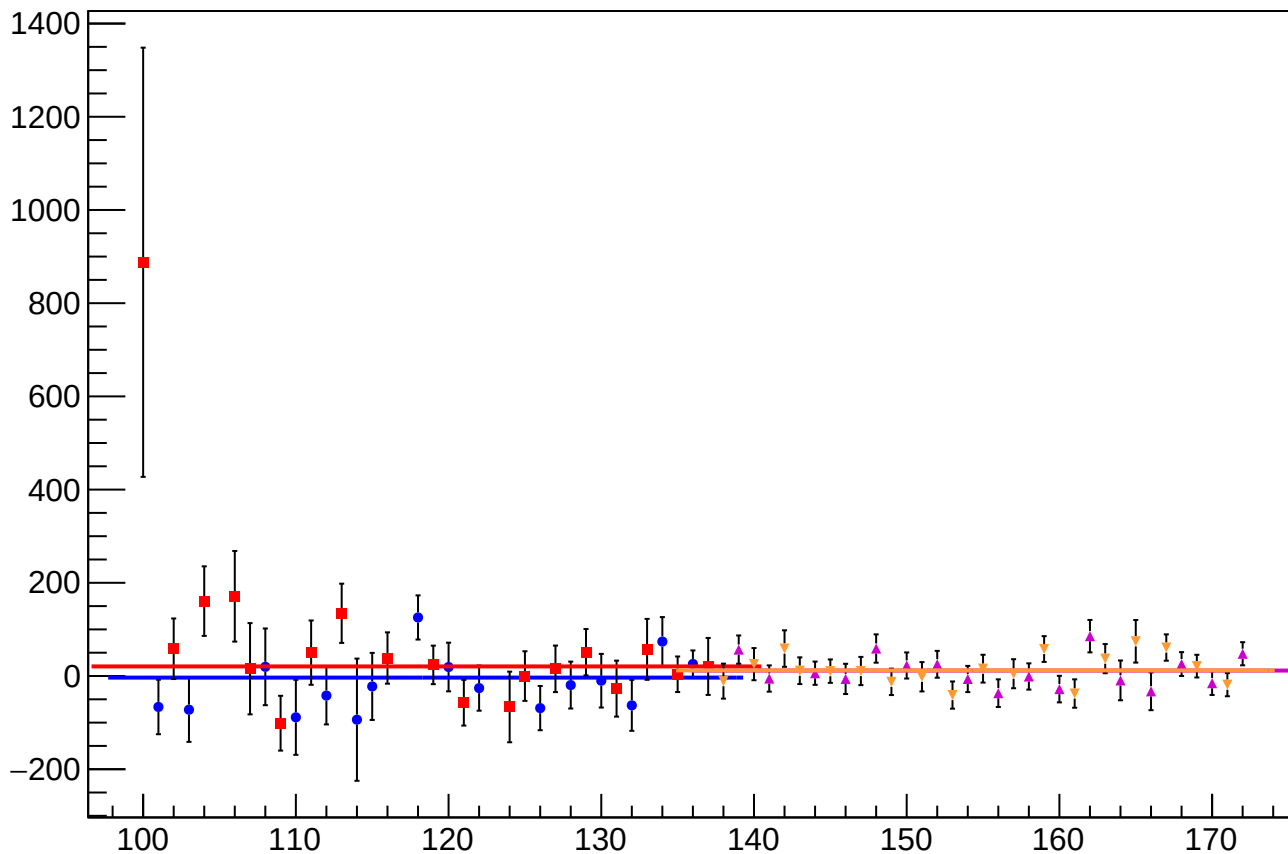
Left In: 176.284 $\pm$ 0.034 χ^2 /NDF: 1128619.8/16

+ sign 198.760 $\pm$ 0.032 χ^2 /NDF: 4972752.3/33

All: 197.680 $\pm$ 0.023 χ^2 /NDF: 10368034.2/69

- sign 196.611 $\pm$ 0.032 χ^2 /NDF: 5393071.4/35

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.423 ± 13.393 $\chi^2/\text{NDF}: 18.5/15$

Left Out: 12.048 ± 7.048 $\chi^2/\text{NDF}: 18.9/17$

Right Out: 20.569 ± 13.475 $\chi^2/\text{NDF}: 23.1/18$

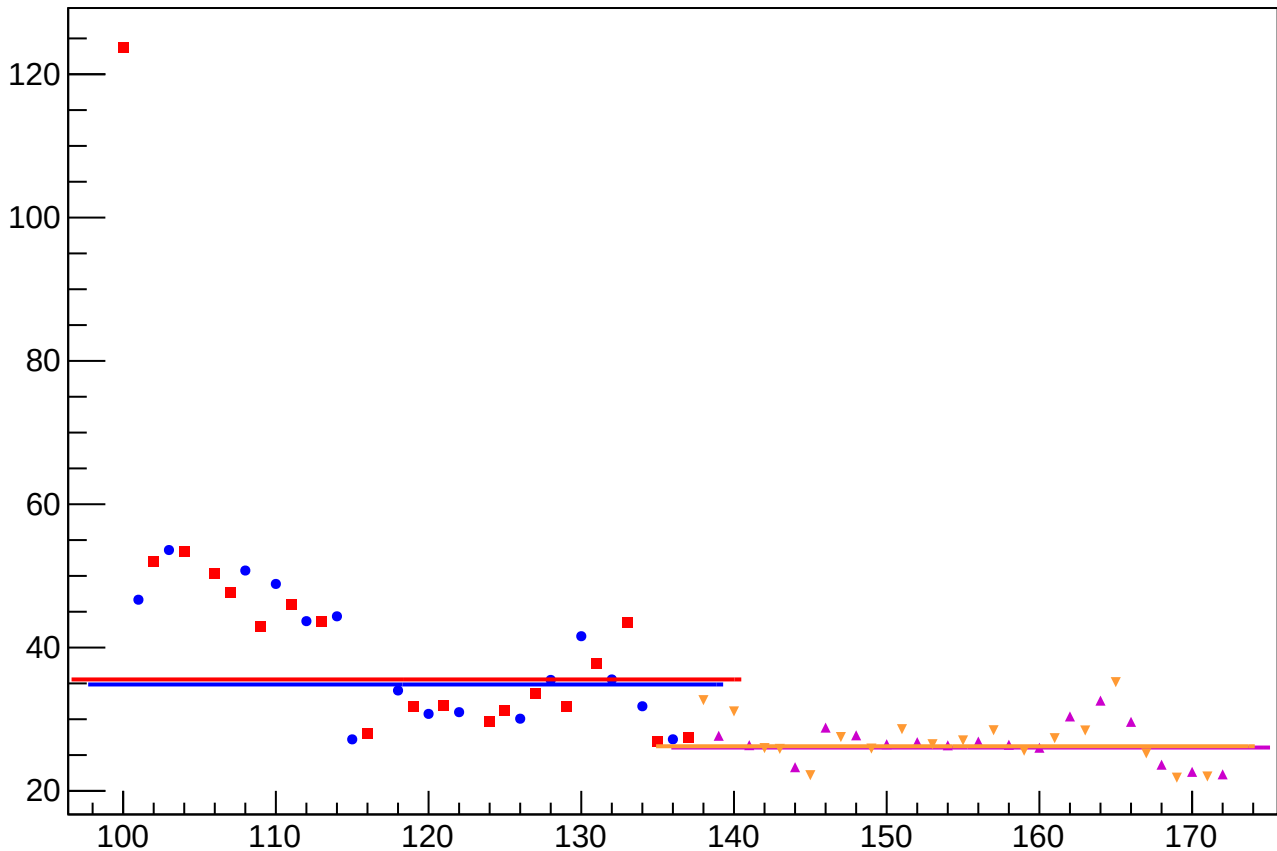
Left In: 11.676 ± 7.063 $\chi^2/\text{NDF}: 20.5/16$

+ sign 8.693 ± 6.237 $\chi^2/\text{NDF}: 38.4/33$

All: 11.135 ± 4.417 $\chi^2/\text{NDF}: 82.6/69$

- sign 13.593 ± 6.256 $\chi^2/\text{NDF}: 43.9/35$

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 34.850 $\pm$ 0.009 χ^2 /NDF: 658141.6/15

Left Out: 26.230 $\pm$ 0.005 χ^2 /NDF: 393476.5/17

Right Out: 35.553 $\pm$ 0.010 χ^2 /NDF: 779880.3/18

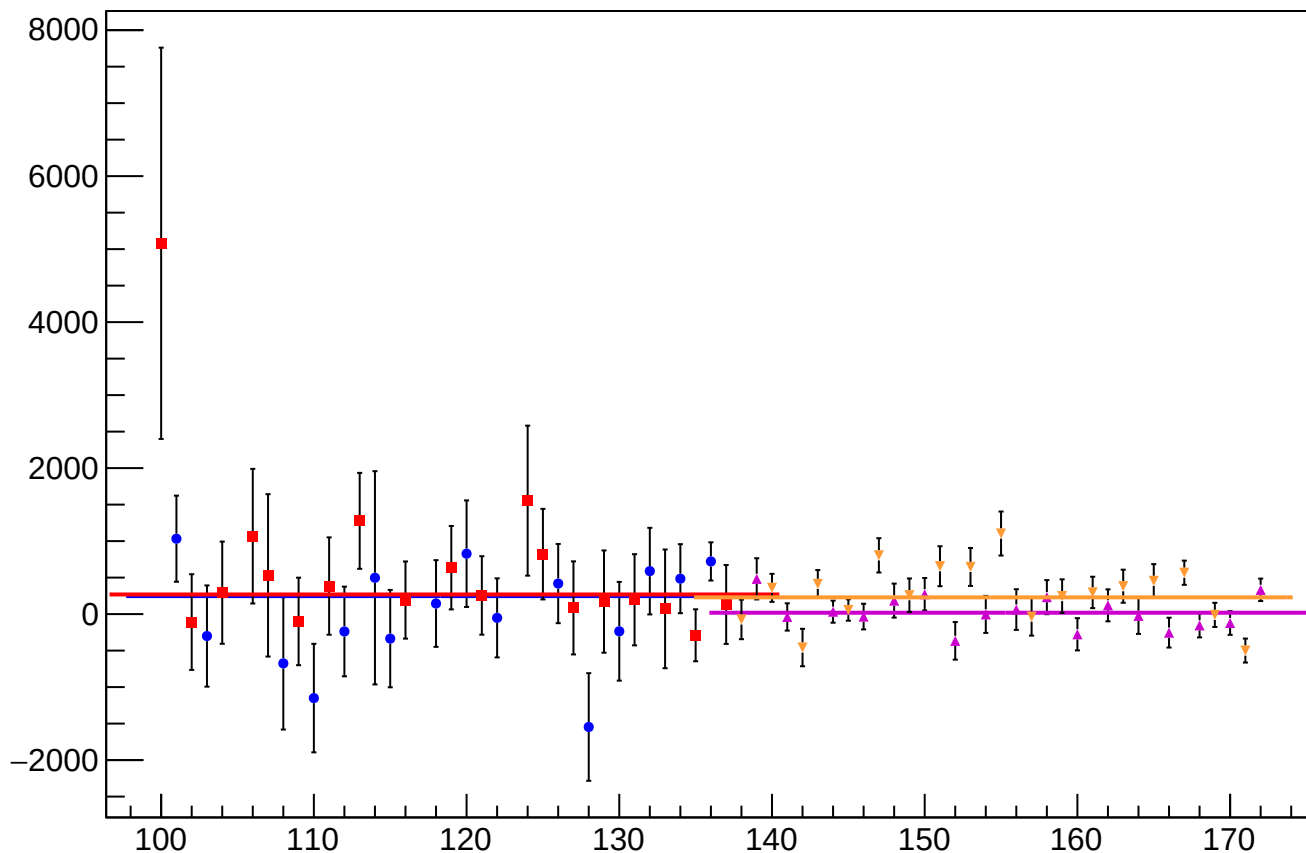
Left In: 26.051 $\pm$ 0.005 χ^2 /NDF: 248001.0/16

+ sign 28.099 $\pm$ 0.004 χ^2 /NDF: 1700555.8/33

All: 28.099 $\pm$ 0.003 χ^2 /NDF: 3508578.1/69

- sign 28.099 $\pm$ 0.004 χ^2 /NDF: 1808022.3/35

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 246.507 $\pm$ 140.275 χ^2 /NDF: 19.8/15

Left Out: 229.537 $\pm$ 49.368 χ^2 /NDF:59.1/17

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

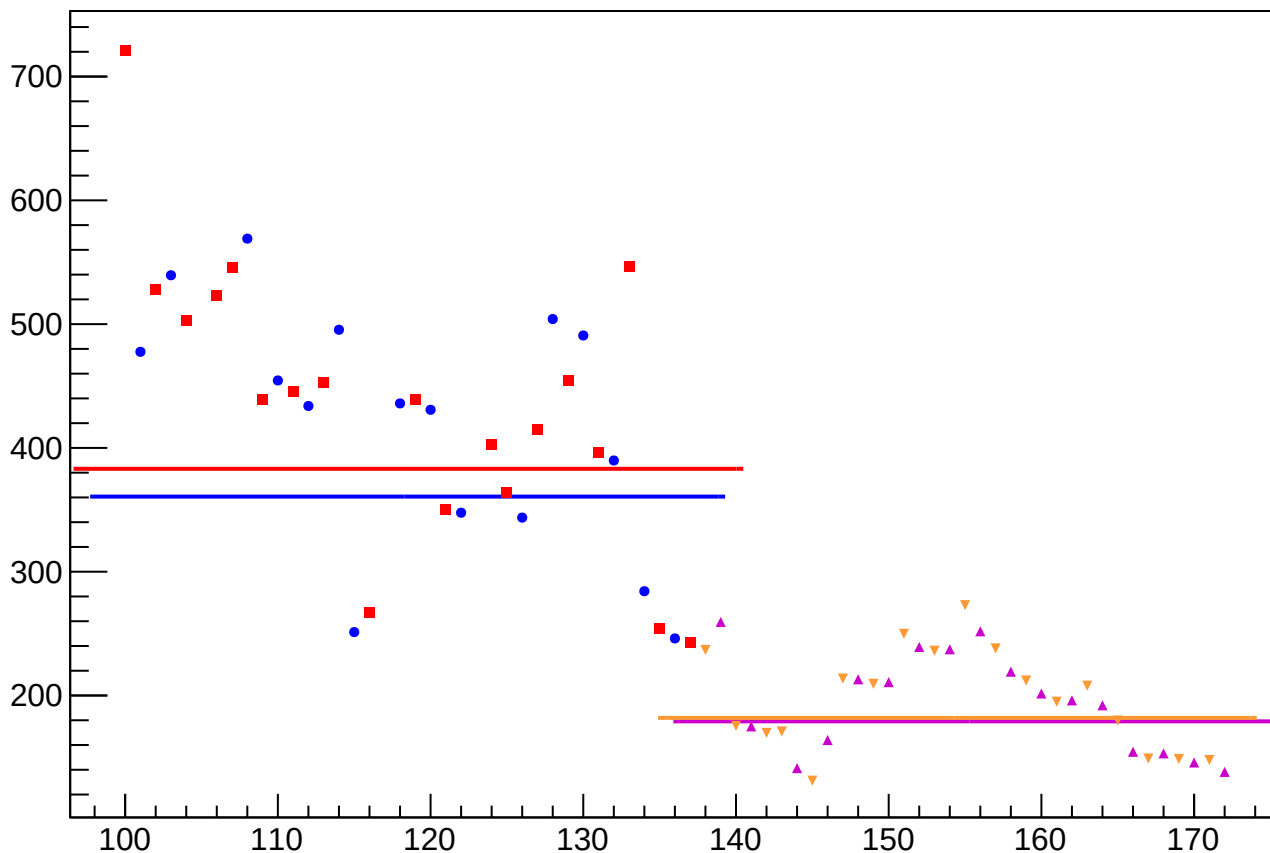
Left In: 18.633 $\pm$ 49.005 χ^2 /NDF:17.6/16

+ sign 231.407 $\pm$ 46.568 χ^2 /NDF: 78.9/33

All: 137.533 $\pm$ 32.881 χ^2 /NDF: 119.9/69

- sign 44.196 $\pm$ 46.435 χ^2 /NDF: 32.9/35

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



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

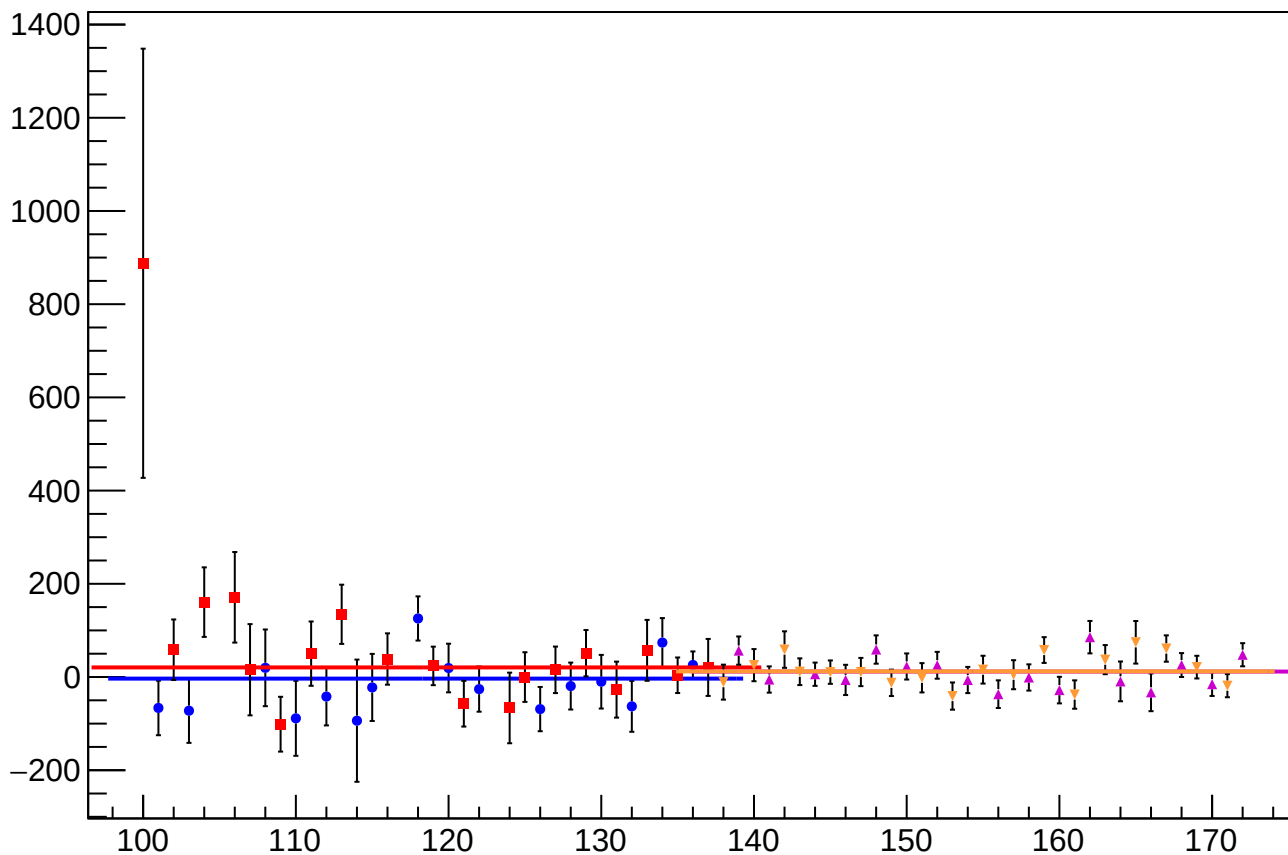
Left In: 179.115 ± 0.035 χ^2/NDF : 1135917.5/16

+ sign 201.625 ± 0.033 χ^2/NDF : 5182456.1/33

All: 200.787 ± 0.023 χ^2/NDF : 10823300.9/69

- sign 199.953 ± 0.033 χ^2/NDF : 5639551.8/35

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

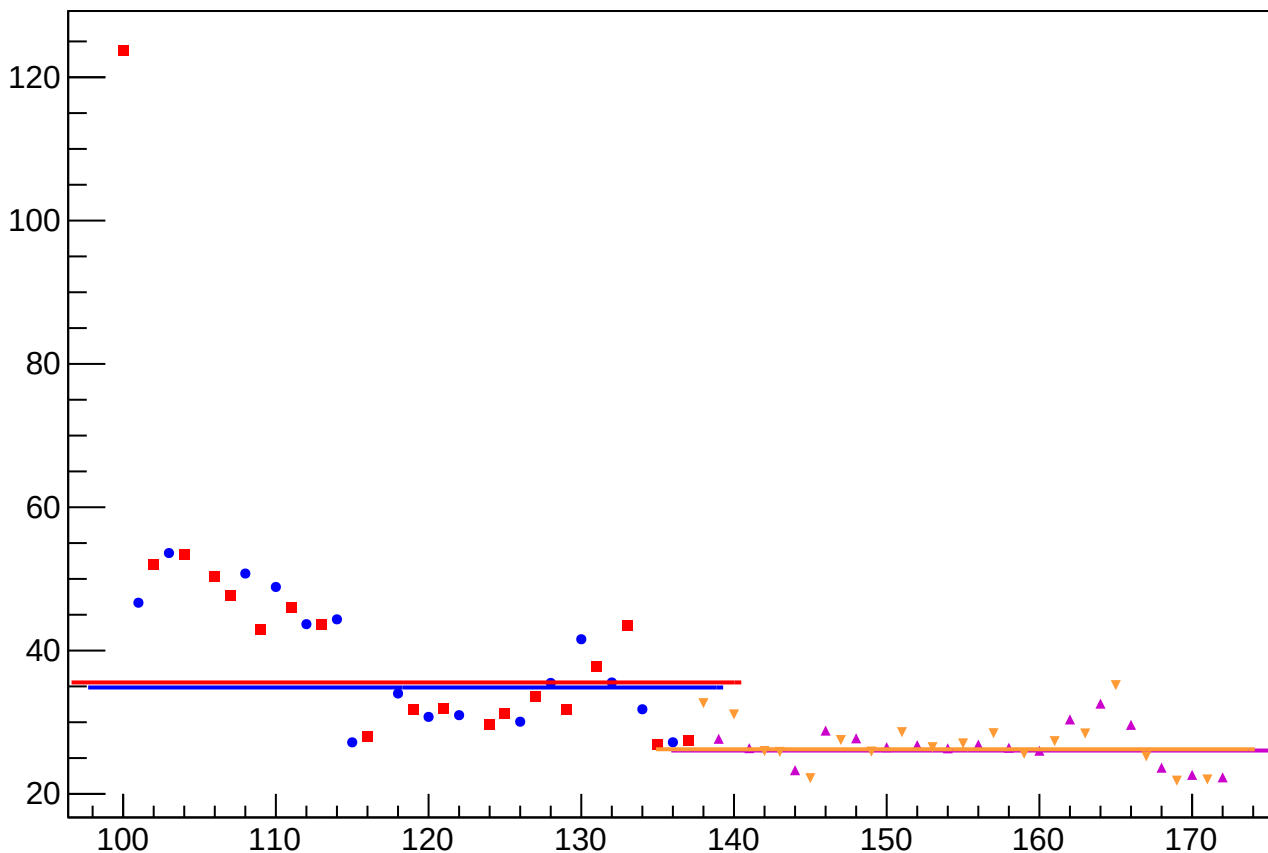
Left In: 11.676 ± 7.063 χ^2/NDF : 20.5/16

+ sign 8.692 ± 6.237 χ^2/NDF : 38.4/33

All: 11.135 ± 4.417 χ^2/NDF : 82.6/69

- sign 13.593 ± 6.256 χ^2/NDF : 43.9/35

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

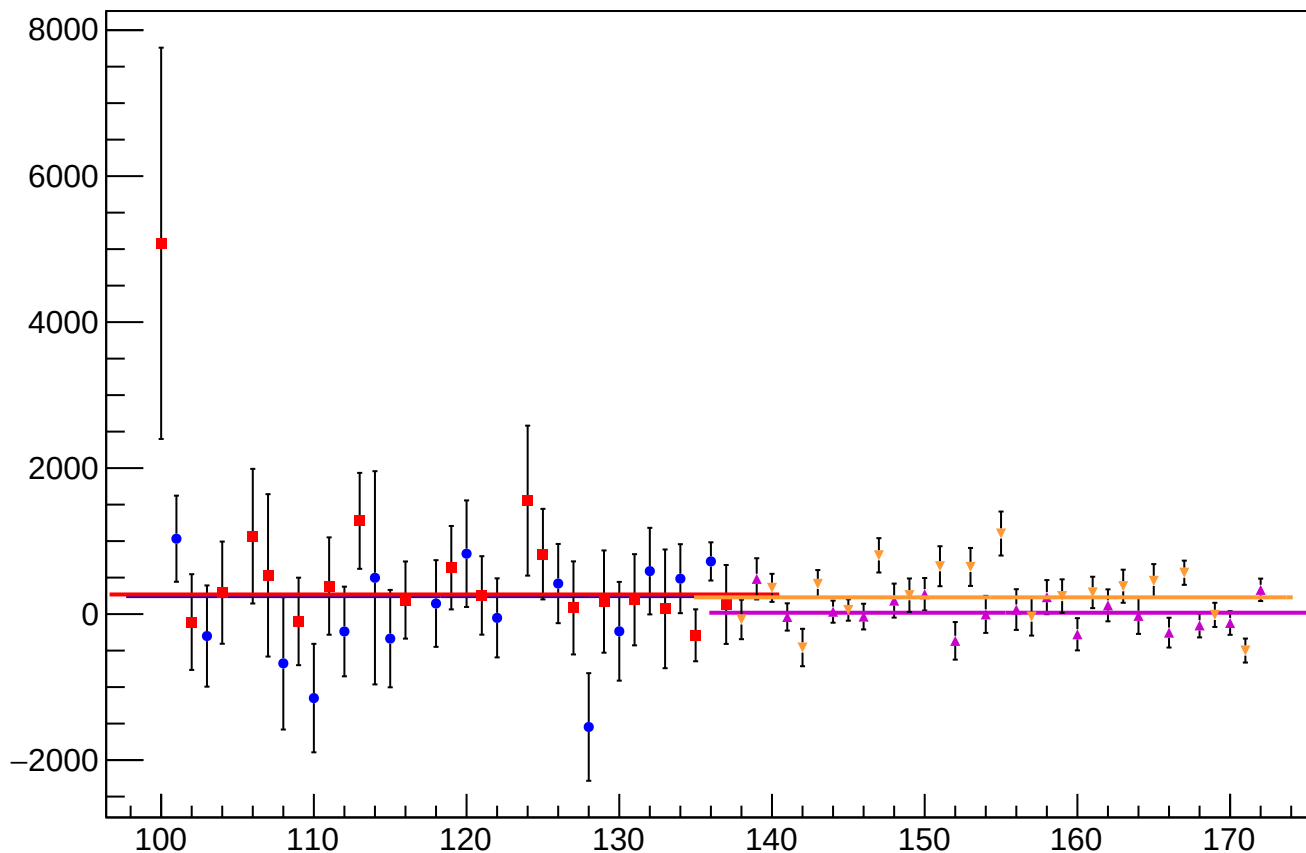
Left In: 26.051 +/- 0.005 χ^2/NDF : 247999.4/16

+ sign 28.099 +/- 0.004 χ^2/NDF : 1700417.0/33

All: 28.099 +/- 0.003 χ^2/NDF : 3508344.8/69

- sign 28.099 +/- 0.004 χ^2/NDF : 1807927.8/35

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 246.505 $\pm$ 140.274 χ^2 /NDF: 19.8/15

Left Out: 229.536 $\pm$ 49.368 χ^2 /NDF:59.1/17

Right Out: 268.913 $\pm$ 145.295 χ^2 /NDF: 12.6/18

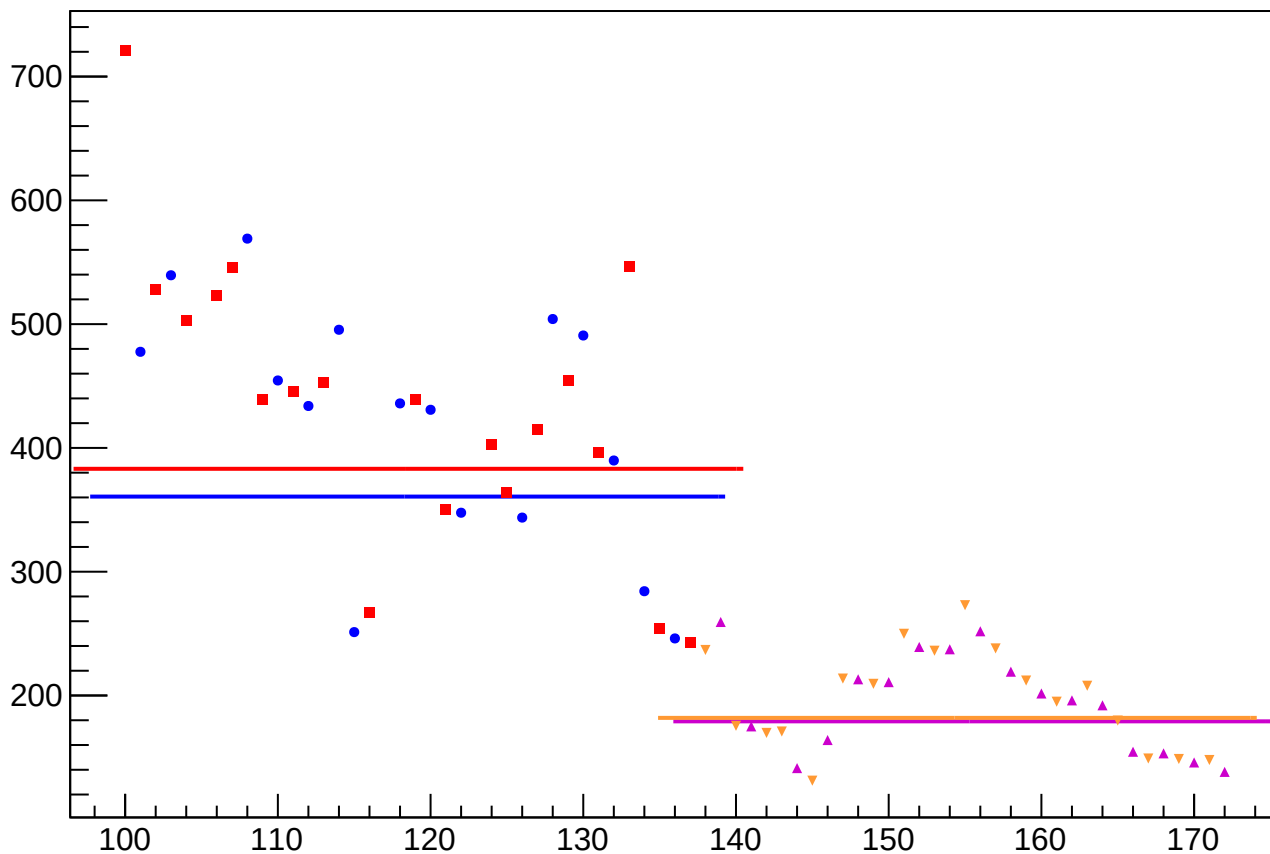
Left In: 18.632 $\pm$ 49.005 χ^2 /NDF:17.6/16

+ sign 231.406 $\pm$ 46.568 χ^2 /NDF: 78.9/33

All: 137.533 $\pm$ 32.881 χ^2 /NDF: 119.9/69

- sign 44.195 $\pm$ 46.435 χ^2 /NDF: 32.9/35

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 360.691 $\pm$ 0.099 χ^2 /NDF: 1092752.5/15

Left Out: 181.923 $\pm$ 0.035 χ^2 /NDF: 1199424.2/17

Right Out: 383.131 $\pm$ 0.103 χ^2 /NDF: 963120.8/18

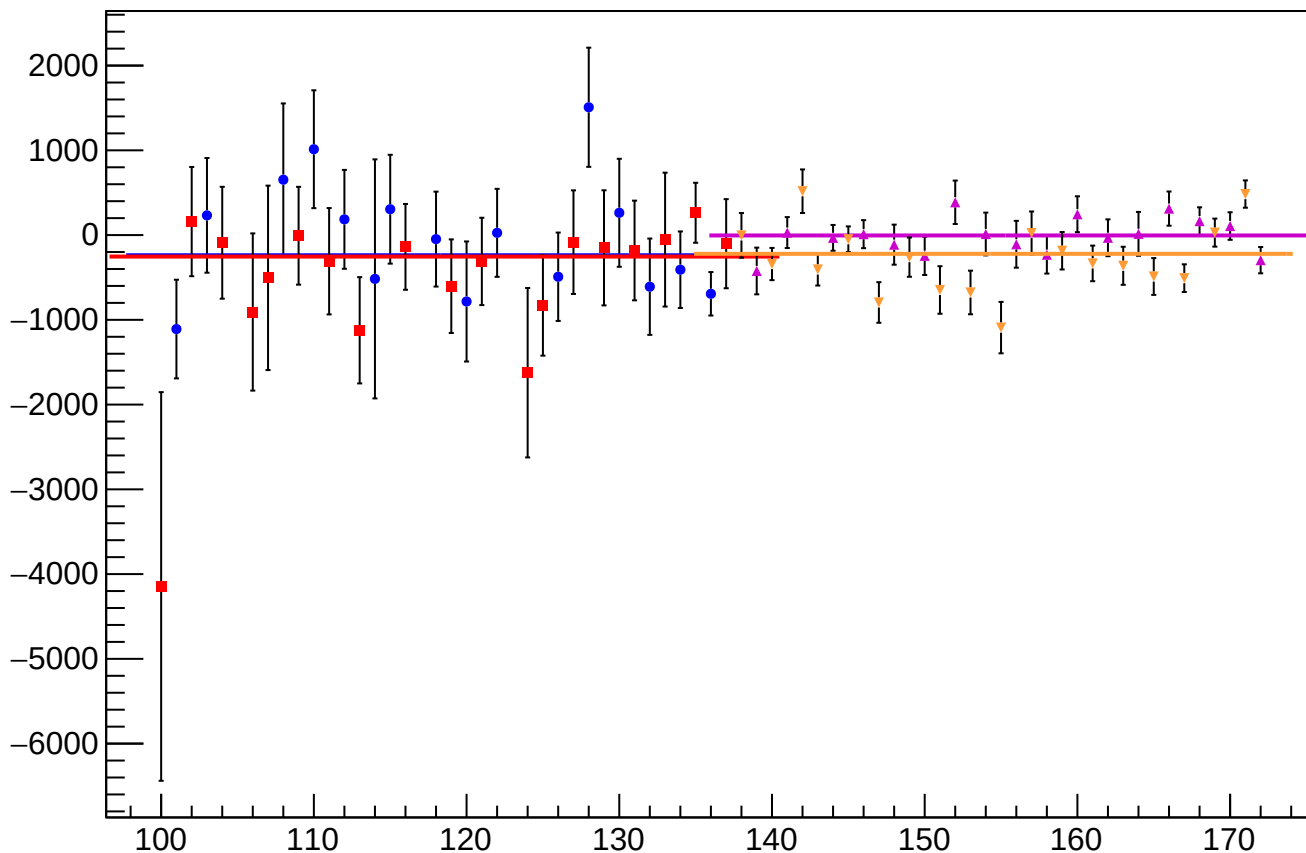
Left In: 179.115 $\pm$ 0.035 χ^2 /NDF: 1135927.9/16

+ sign 201.625 $\pm$ 0.033 χ^2 /NDF: 5182484.7/33

All: 200.786 $\pm$ 0.023 χ^2 /NDF: 10823339.3/69

- sign 199.953 $\pm$ 0.033 χ^2 /NDF: 5639561.8/35

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

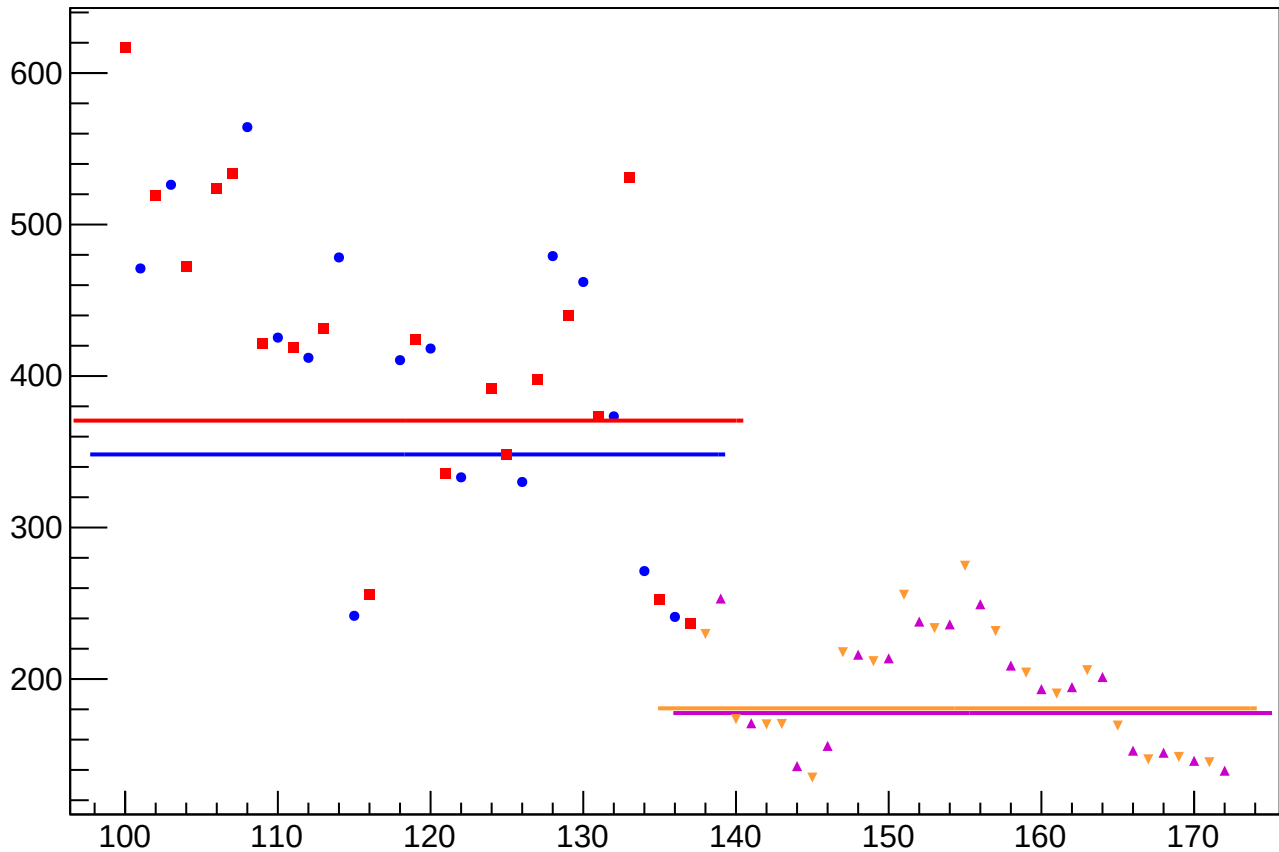
Left In: -4.375 ± 48.528 χ^2/NDF : 16.2/16

+ sign -223.219 ± 46.109 χ^2/NDF : 78.7/33

All: -126.576 ± 32.518 χ^2/NDF : 118.1/69

- sign -30.950 ± 45.866 χ^2/NDF : 30.7/35

asym_sam_1357_2468_dd_rms vs Slug



Right In: 348.253 $\pm$ 0.096 χ^2 /NDF: 1056820.3/15

Left Out: 180.667 $\pm$ 0.035 χ^2 /NDF:1164781.9/17

Right Out: 370.585 $\pm$ 0.099 χ^2 /NDF: 917913.5/18

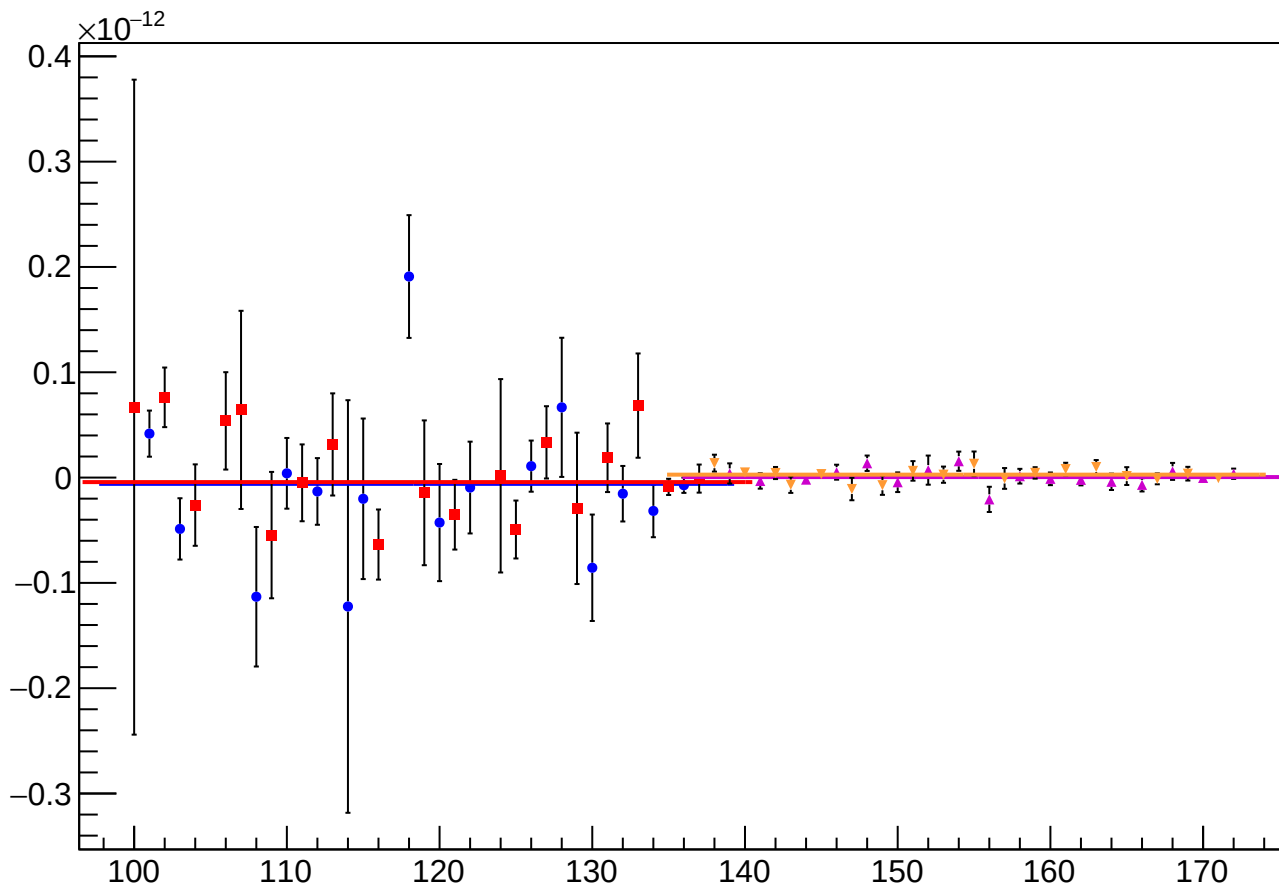
Left In: 177.549 $\pm$ 0.034 χ^2 /NDF:1108903.7/16

+ sign 200.116 $\pm$ 0.033 χ^2 /NDF: 4931926.4/33

All: 199.125 $\pm$ 0.023 χ^2 /NDF: 10337229.1/69

- sign 198.146 $\pm$ 0.032 χ^2 /NDF: 5403467.4/35

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.2/17

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/18

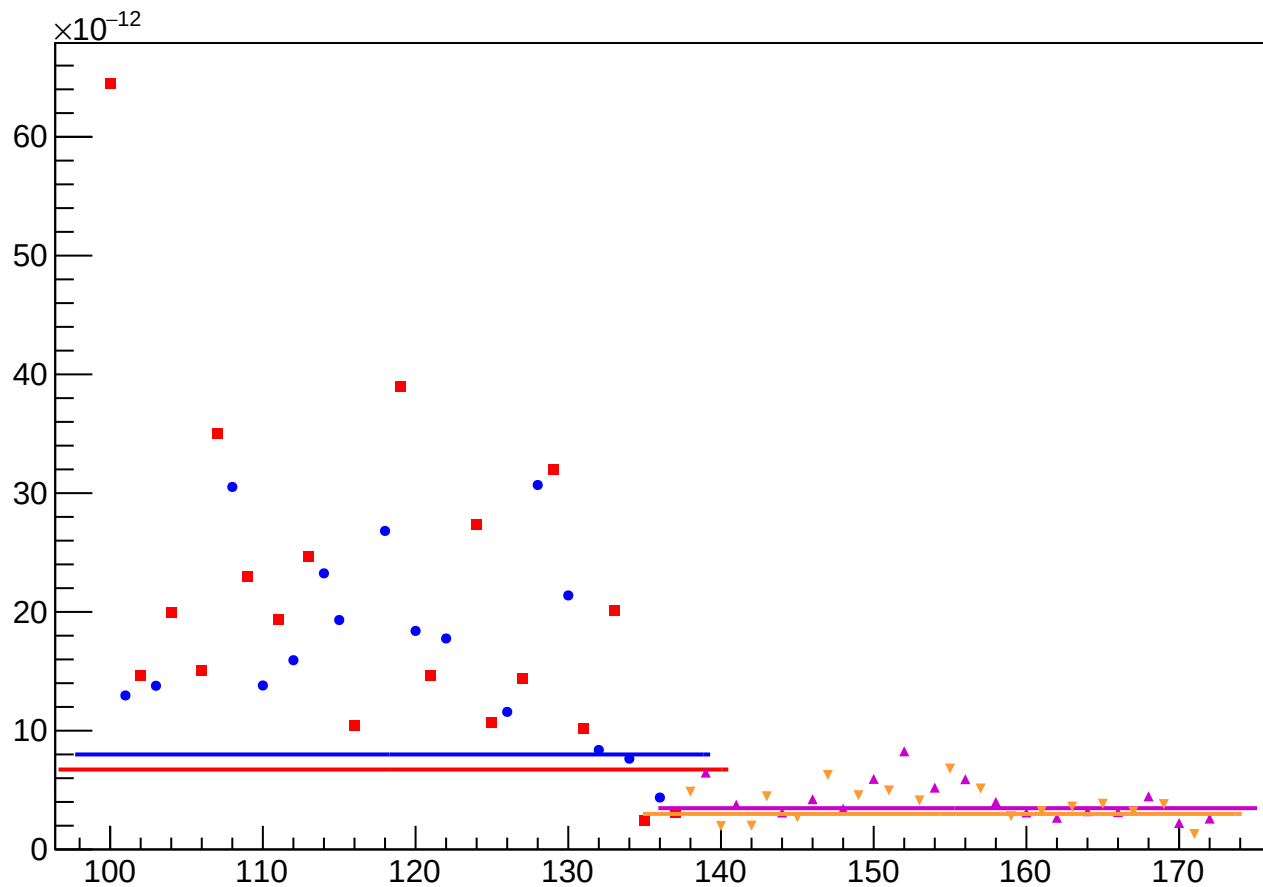
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.0/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.2/35

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1618754.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3379574.5/18

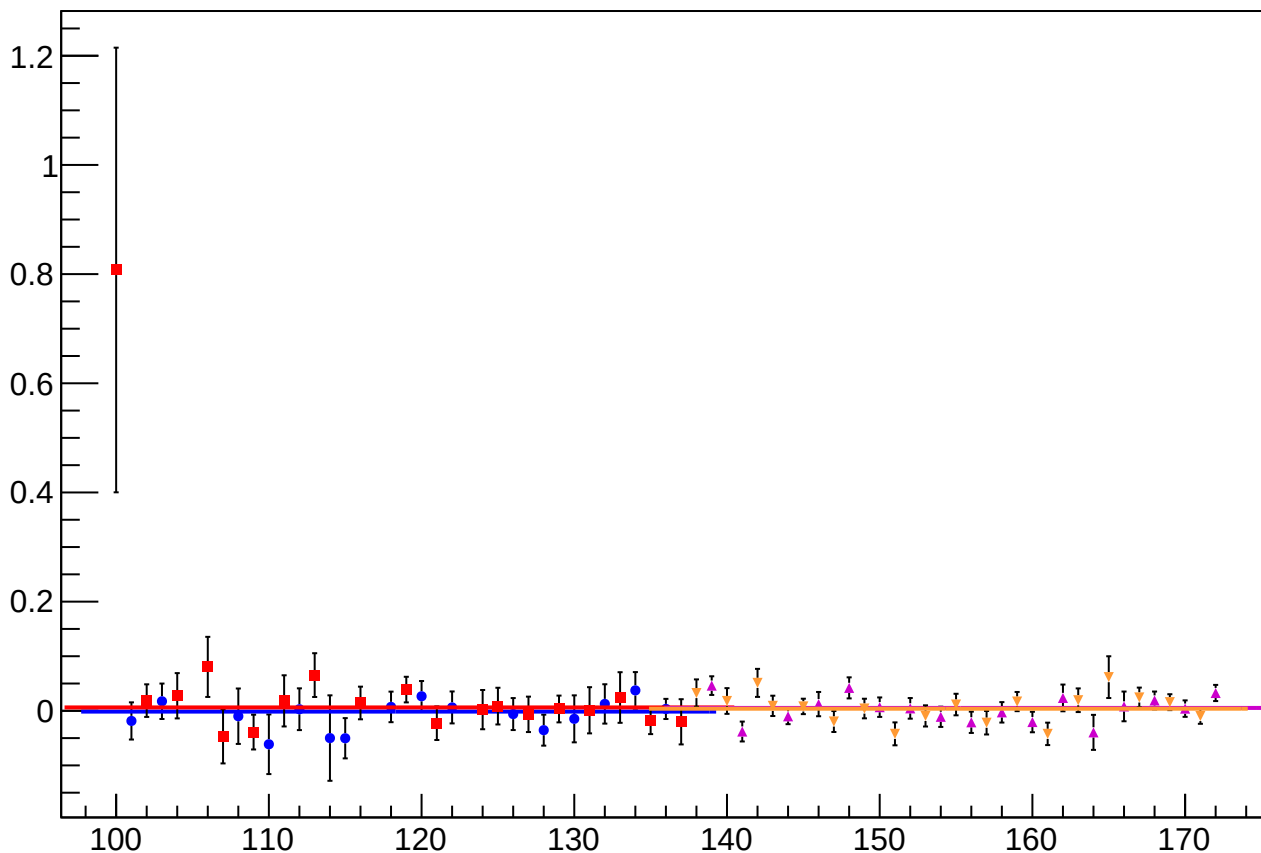
Left In: 0.000+/-0.000 χ^2/NDF : 1100785.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 5023736.5/33

All: 0.000+/-0.000 χ^2/NDF : 10222860.0/69

- sign 0.000+/-0.000 χ^2/NDF : 5112864.3/35

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



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

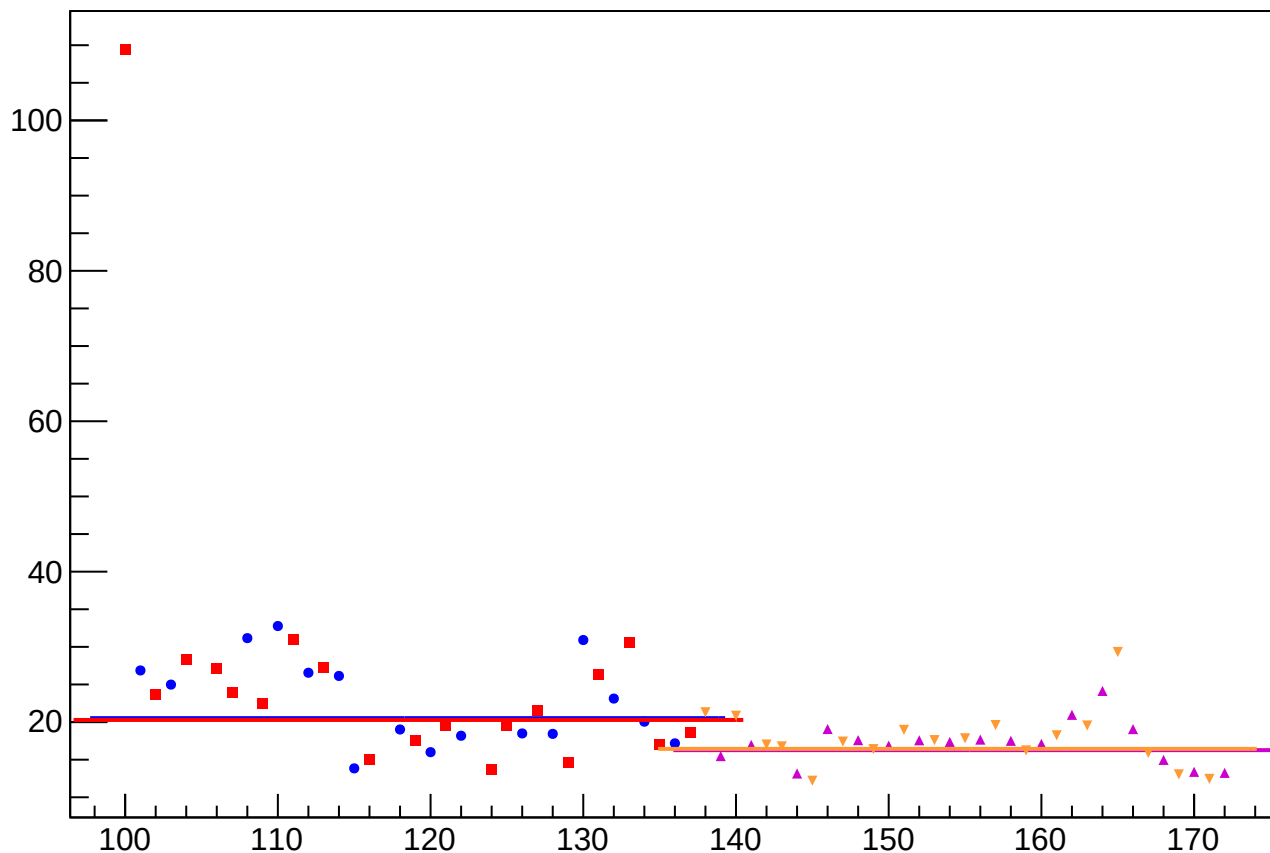
Left In: 0.005 ± 0.004 χ^2/NDF : 27.5/16

+ sign 0.003 ± 0.004 χ^2/NDF : 33.4/33

All: 0.004 ± 0.003 χ^2/NDF : 77.5/69

- sign 0.006 ± 0.004 χ^2/NDF : 43.8/35

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.522 $\pm$ 0.006 χ^2 /NDF: 705998.4/15

Left Out: 16.437 $\pm$ 0.003 χ^2 /NDF: 972095.7/17

Right Out: 20.282 $\pm$ 0.006 χ^2 /NDF: 864352.6/18

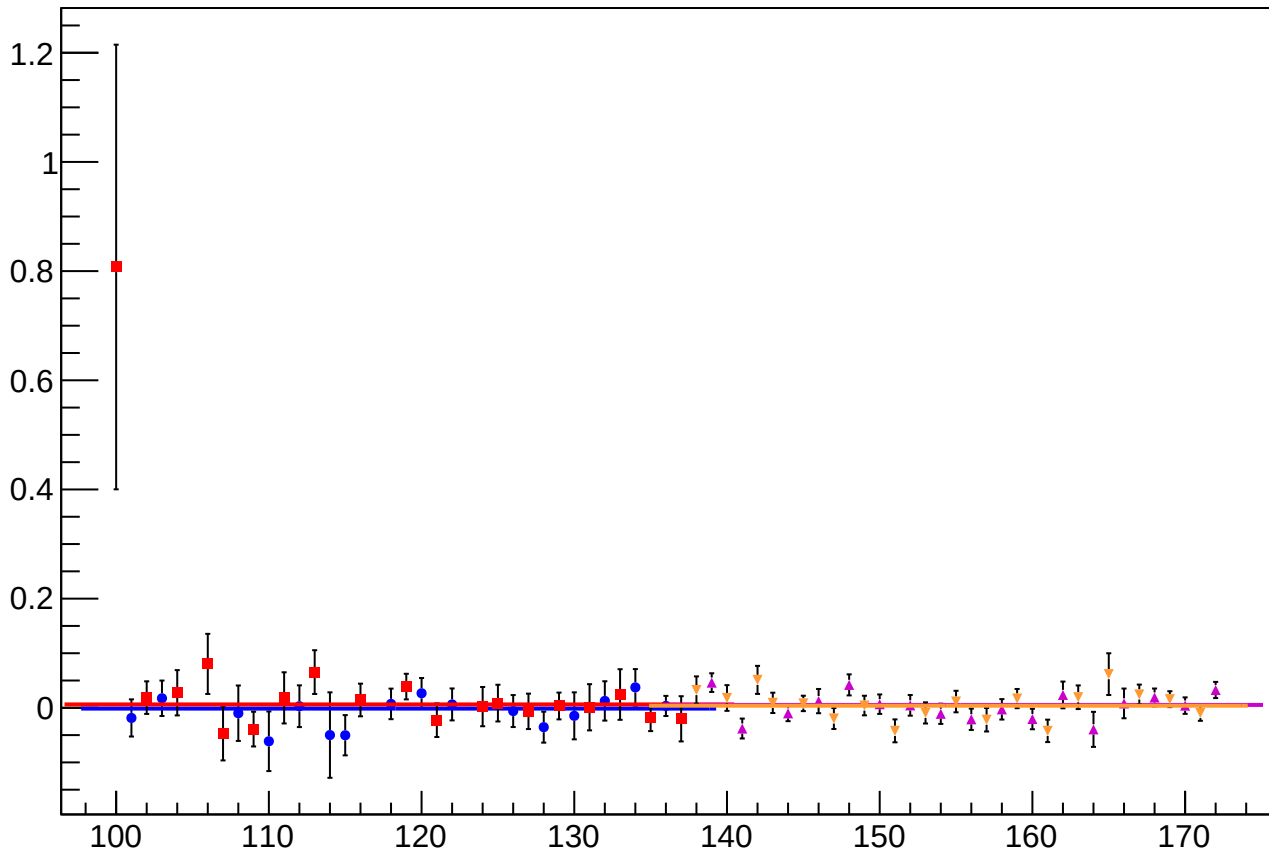
Left In: 16.268 $\pm$ 0.003 χ^2 /NDF: 567604.8/16

+ sign 17.407 $\pm$ 0.003 χ^2 /NDF: 2069783.8/33

All: 17.327 $\pm$ 0.002 χ^2 /NDF: 3895116.9/69

- sign 17.248 $\pm$ 0.003 χ^2 /NDF: 1823686.5/35

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

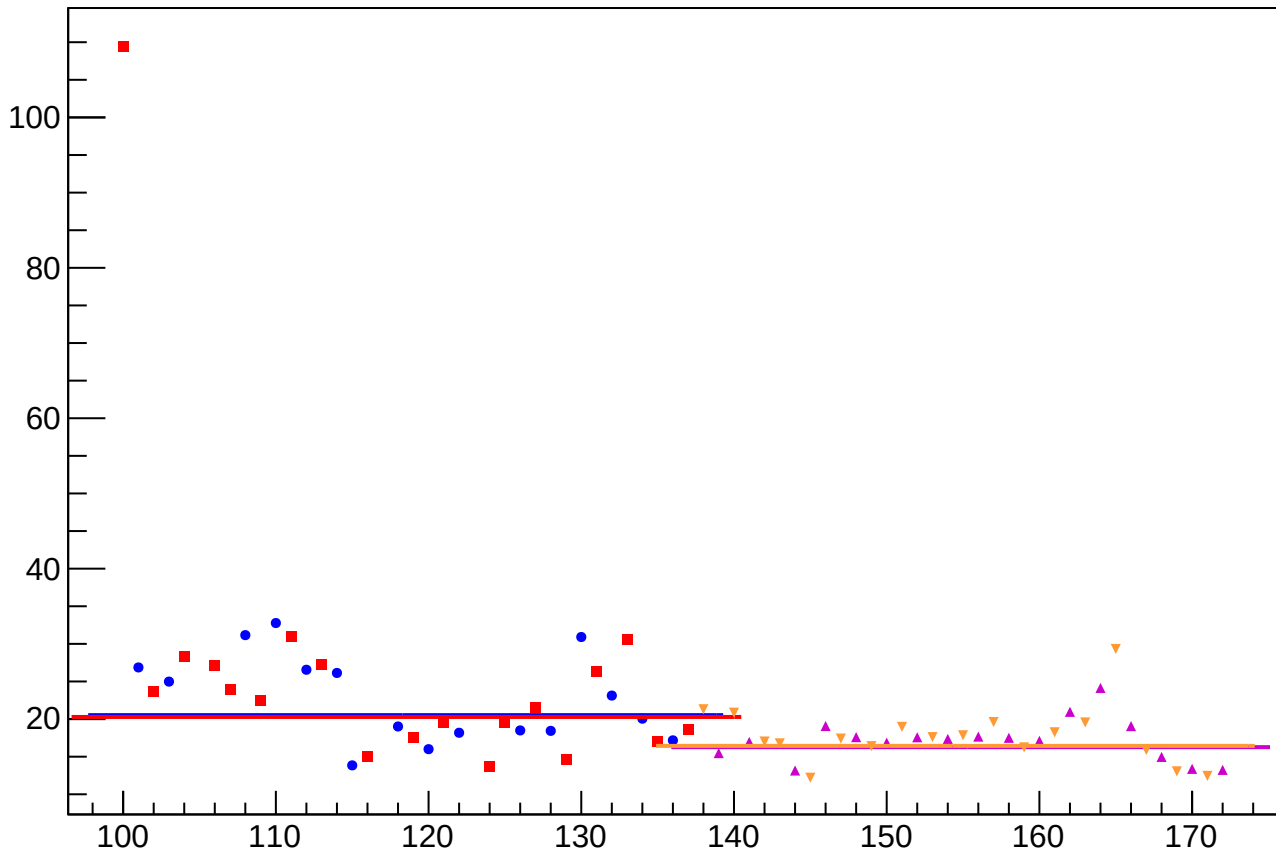
Left In: 0.005 ± 0.004 χ^2/NDF : 27.5/16

+ sign 0.003 ± 0.004 χ^2/NDF : 33.4/33

All: 0.004 ± 0.003 χ^2/NDF : 77.5/69

- sign 0.006 ± 0.004 χ^2/NDF : 43.8/35

asym_sam_1357_2468_dd_dit_vs_eigen_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

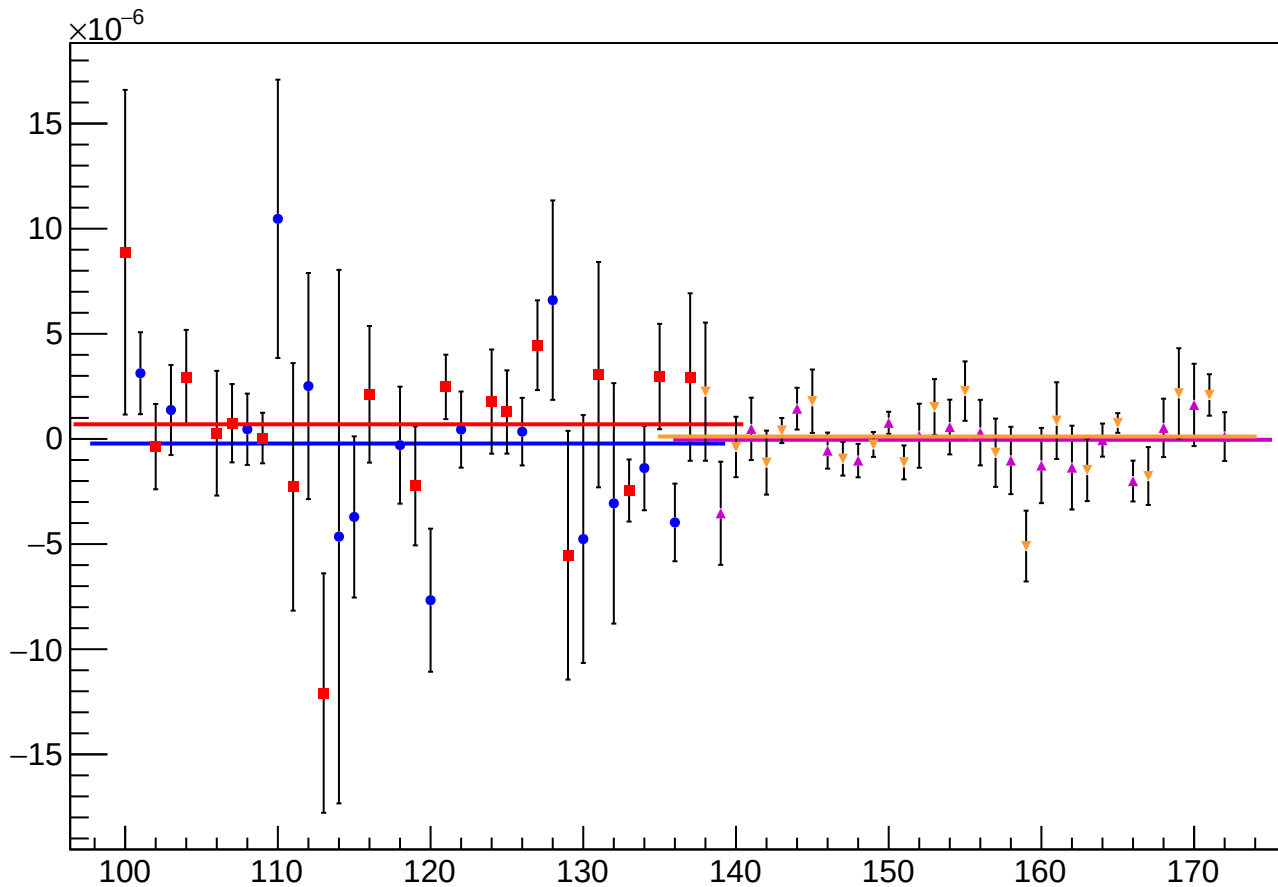
Left In: 16.268 ± 0.003 χ^2/NDF : 567604.8/16

+ sign 17.407 ± 0.003 χ^2/NDF : 2069783.8/33

All: 17.327 ± 0.002 χ^2/NDF : 3895116.9/69

- sign 17.248 ± 0.003 χ^2/NDF : 1823686.5/35

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

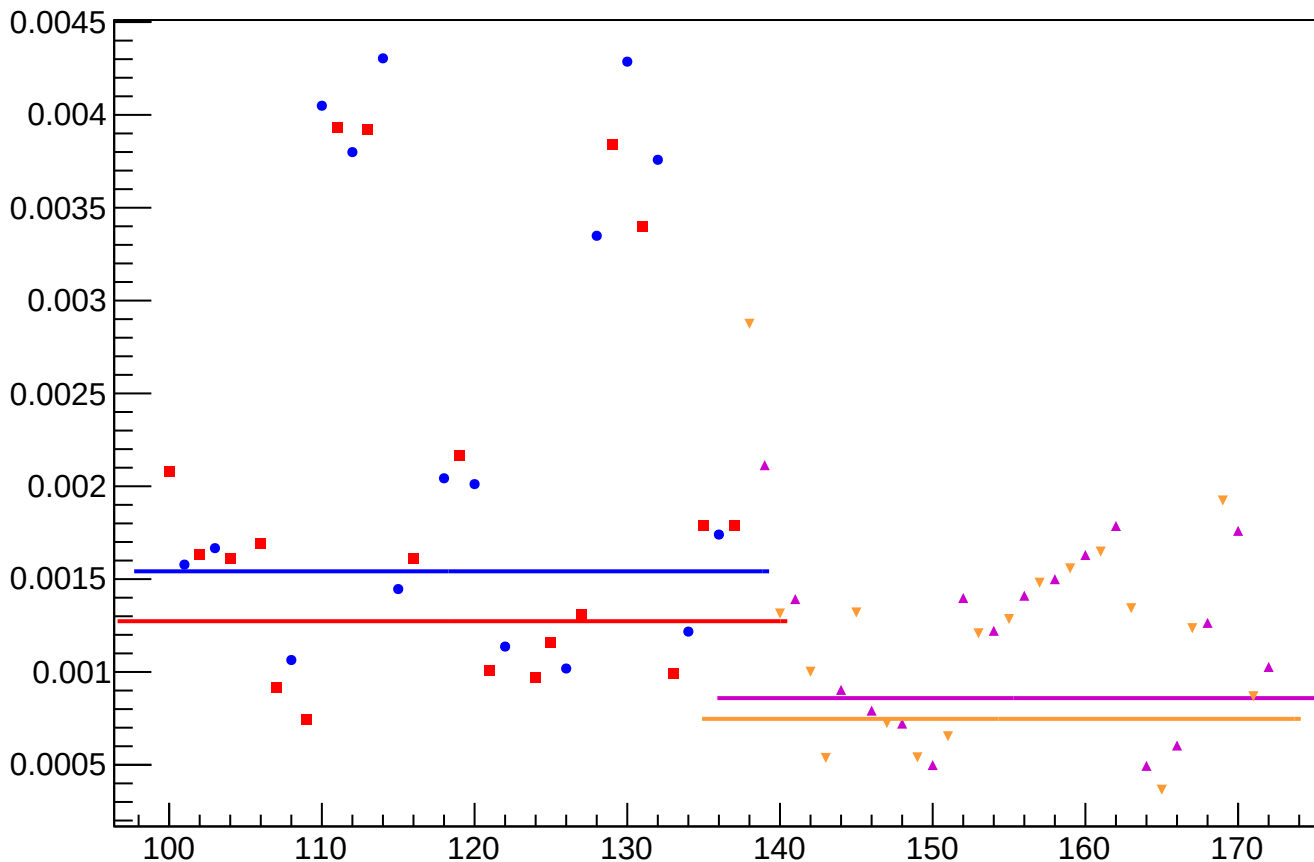
Left In: -0.000 ± 0.000 χ^2/NDF : 15.2/16

+ sign 0.000 ± 0.000 χ^2/NDF : 50.6/33

All: 0.000 ± 0.000 χ^2/NDF : 88.3/69

- sign 0.000 ± 0.000 χ^2/NDF : 37.7/35

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF : 6445938.6/17

Right Out: 0.001+/-0.000 χ^2/NDF : 2667436.5/18

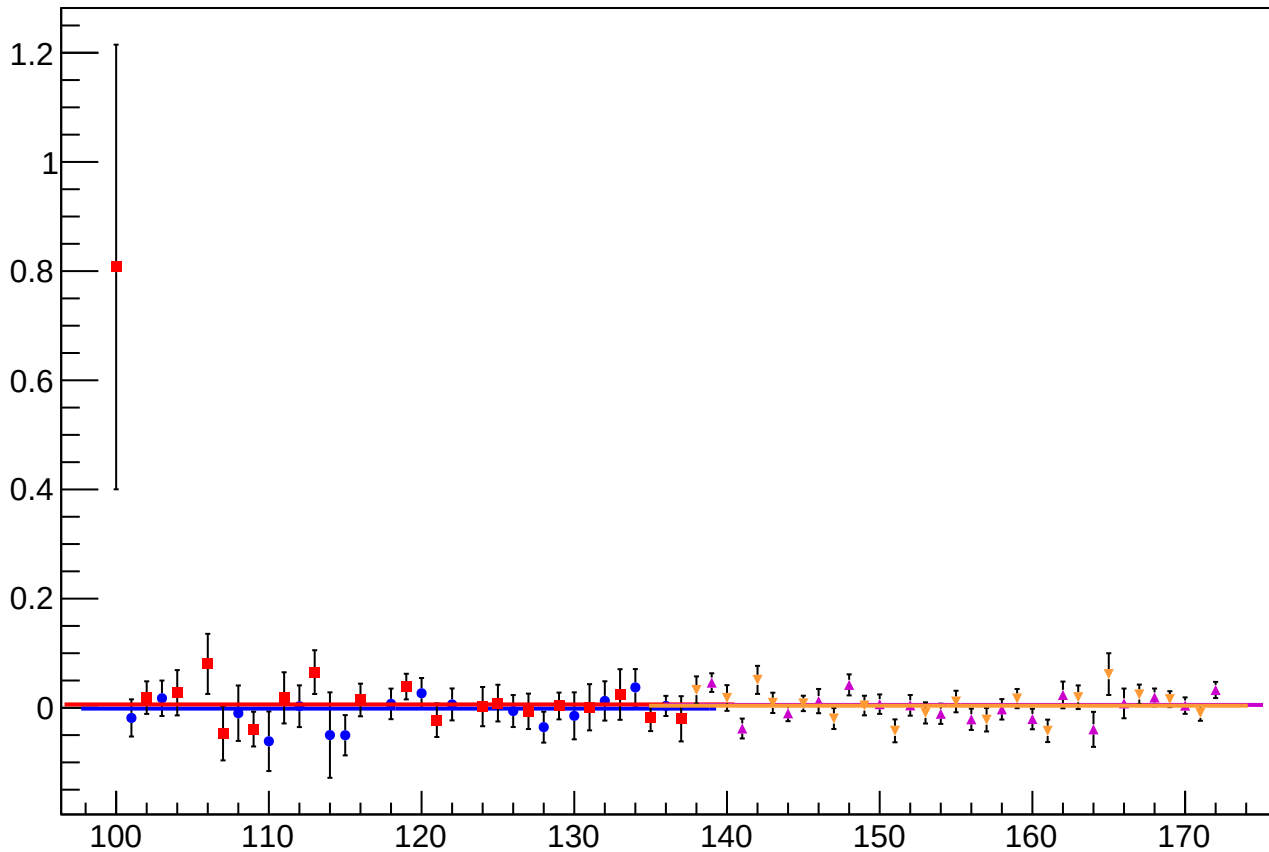
Left In: 0.001+/-0.000 χ^2/NDF : 4774579.3/16

+ sign 0.001+/-0.000 χ^2/NDF : 11667616.2/33

All: 0.001+/-0.000 χ^2/NDF : 20315175.9/69

- sign 0.001+/-0.000 χ^2/NDF : 8443737.6/35

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.004 ± 0.004 χ^2/NDF : 24.8/17

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

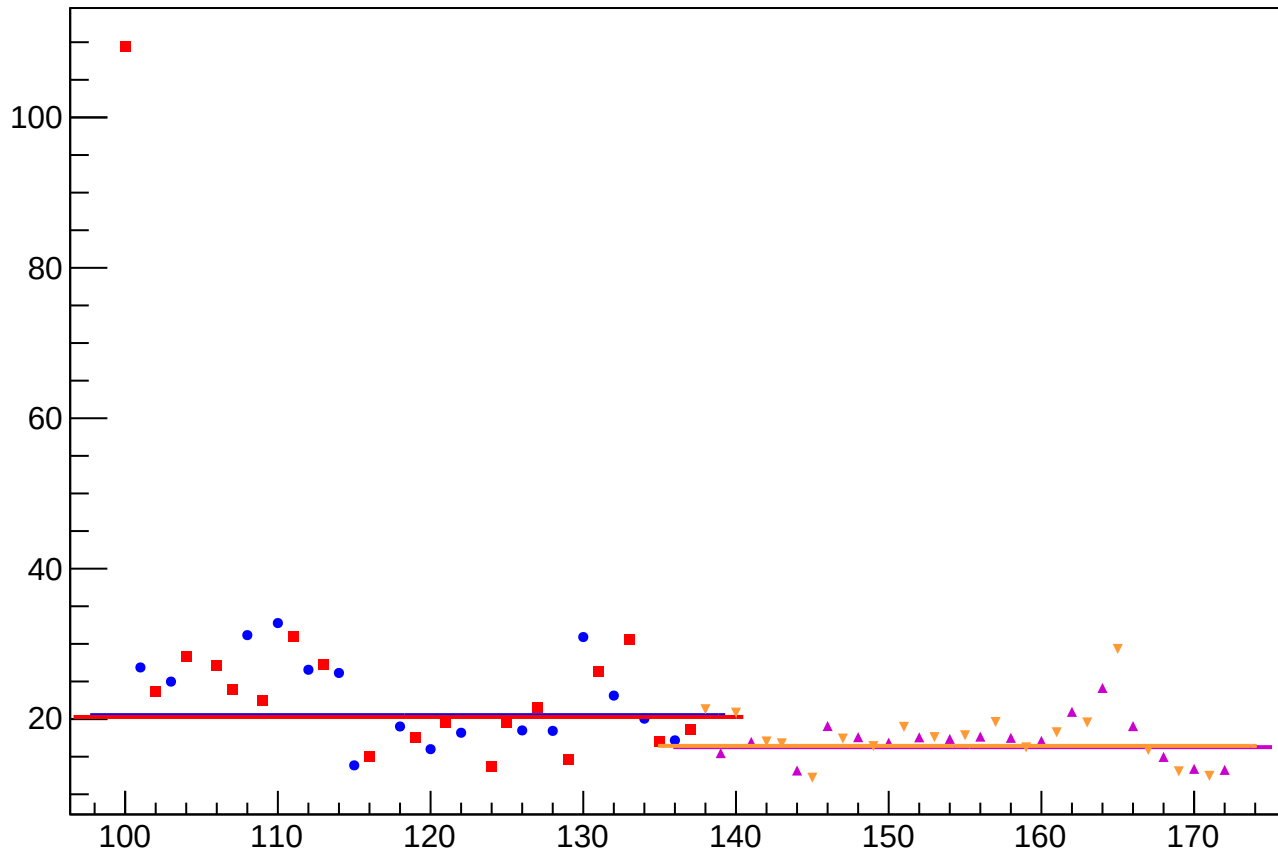
Left In: 0.005 ± 0.004 χ^2/NDF : 27.5/16

+ sign 0.003 ± 0.004 χ^2/NDF : 33.4/33

All: 0.004 ± 0.003 χ^2/NDF : 77.5/69

- sign 0.006 ± 0.004 χ^2/NDF : 43.8/35

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.521 $\pm$ 0.006 χ^2 /NDF: 705877.0/15

Left Out: 16.437 $\pm$ 0.003 χ^2 /NDF: 972030.9/17

Right Out: 20.281 $\pm$ 0.006 χ^2 /NDF: 864361.2/18

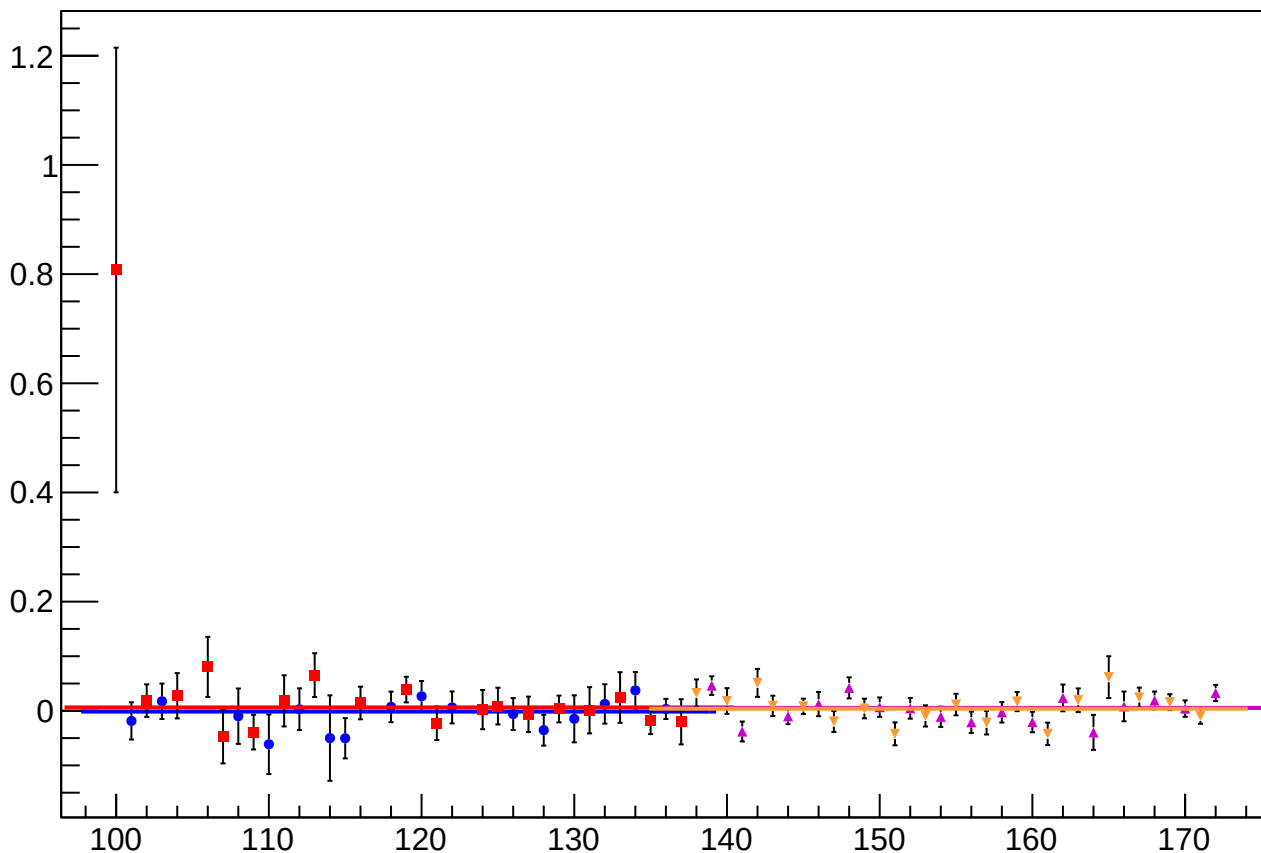
Left In: 16.268 $\pm$ 0.003 χ^2 /NDF: 567618.5/16

+ sign 17.407 $\pm$ 0.003 χ^2 /NDF: 2069462.9/33

All: 17.327 $\pm$ 0.002 χ^2 /NDF: 3894677.3/69

- sign 17.248 $\pm$ 0.003 χ^2 /NDF: 1823565.4/35

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.008 χ^2/NDF : 8.3/15

Left Out: 0.004 ± 0.004 χ^2/NDF : 24.8/17

Right Out: 0.006 ± 0.008 χ^2/NDF : 16.2/18

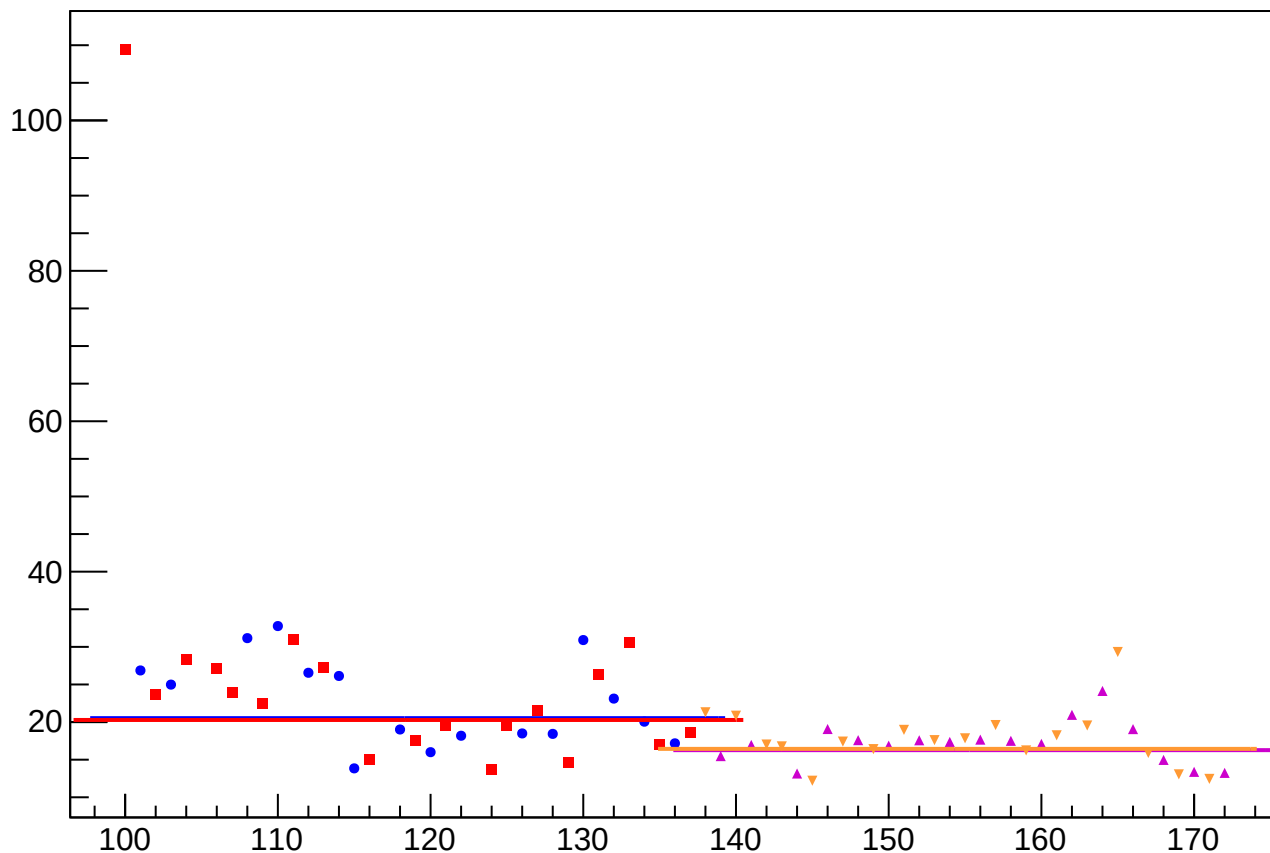
Left In: 0.005 ± 0.004 χ^2/NDF : 27.5/16

+ sign 0.003 ± 0.004 χ^2/NDF : 33.4/33

All: 0.004 ± 0.003 χ^2/NDF : 77.5/69

- sign 0.006 ± 0.004 χ^2/NDF : 43.8/35

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521 $\pm$ 0.006 χ^2 /NDF: 705877.0/15

Left Out: 16.437 $\pm$ 0.003 χ^2 /NDF: 972030.9/17

Right Out: 20.281 $\pm$ 0.006 χ^2 /NDF: 864361.2/18

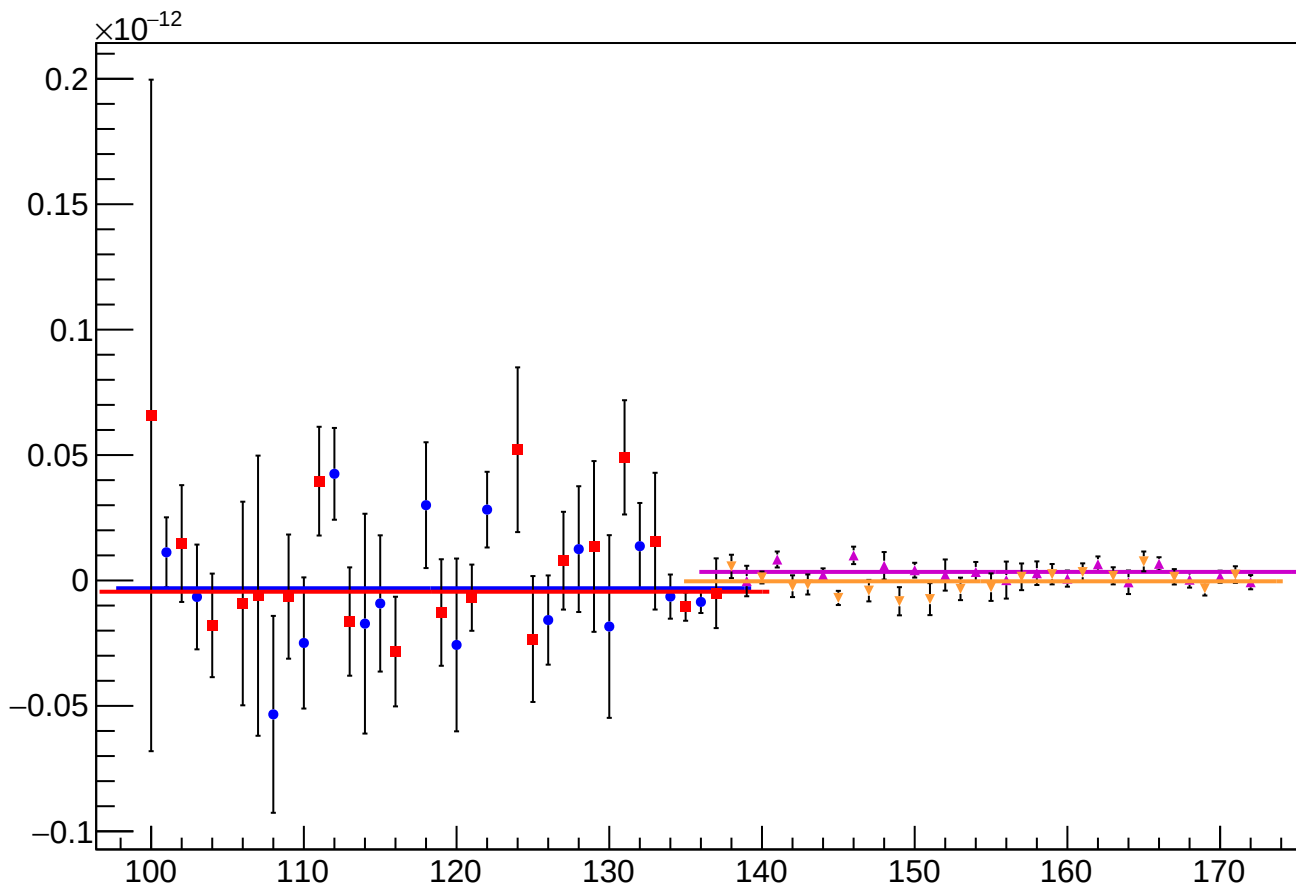
Left In: 16.268 $\pm$ 0.003 χ^2 /NDF: 567618.5/16

+ sign 17.407 $\pm$ 0.003 χ^2 /NDF: 2069462.9/33

All: 17.327 $\pm$ 0.002 χ^2 /NDF: 3894677.3/69

- sign 17.248 $\pm$ 0.003 χ^2 /NDF: 1823565.4/35

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

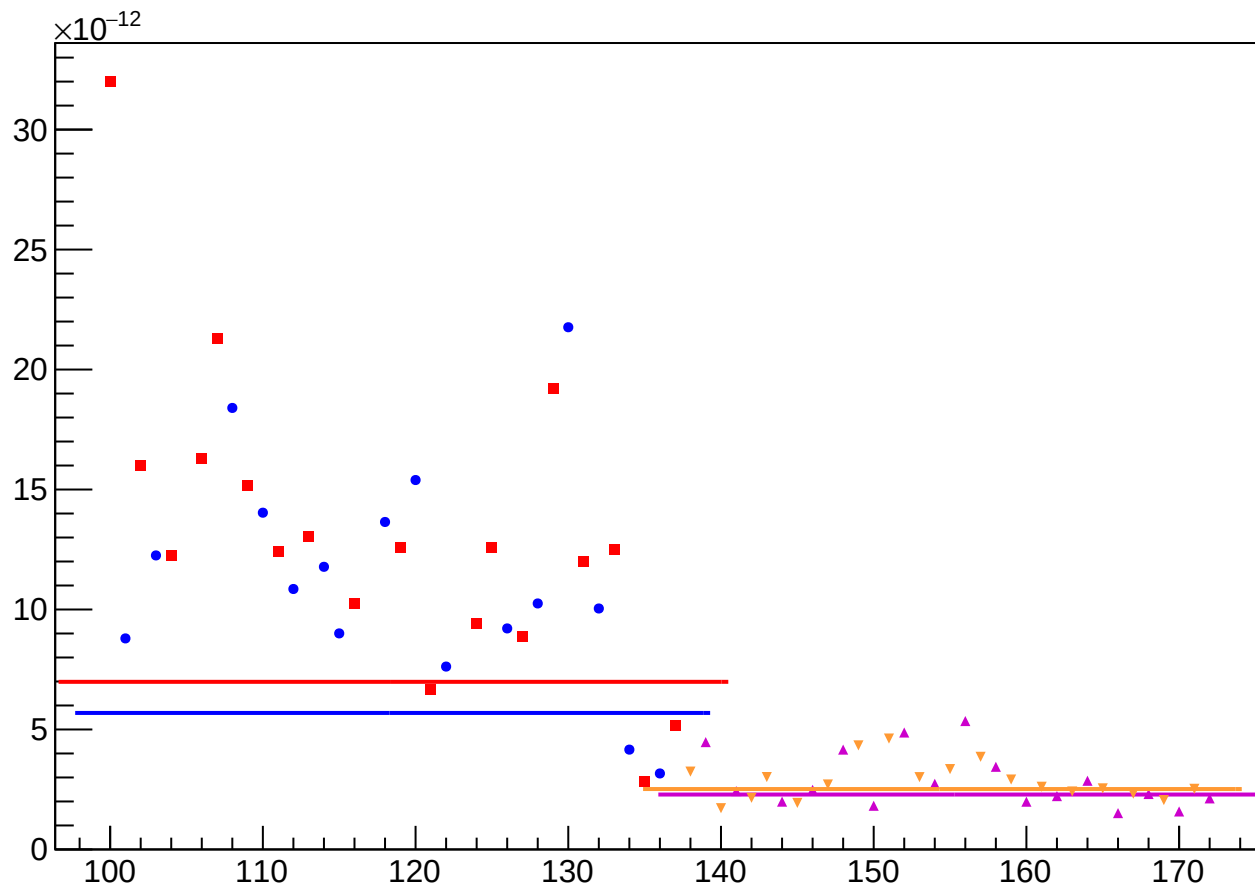
Left In: 0.000 ± 0.000 χ^2/NDF : 14.7/16

+ sign -0.000 ± 0.000 χ^2/NDF : 41.2/33

All: 0.000 ± 0.000 χ^2/NDF : 87.8/69

- sign 0.000 ± 0.000 χ^2/NDF : 37.3/35

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

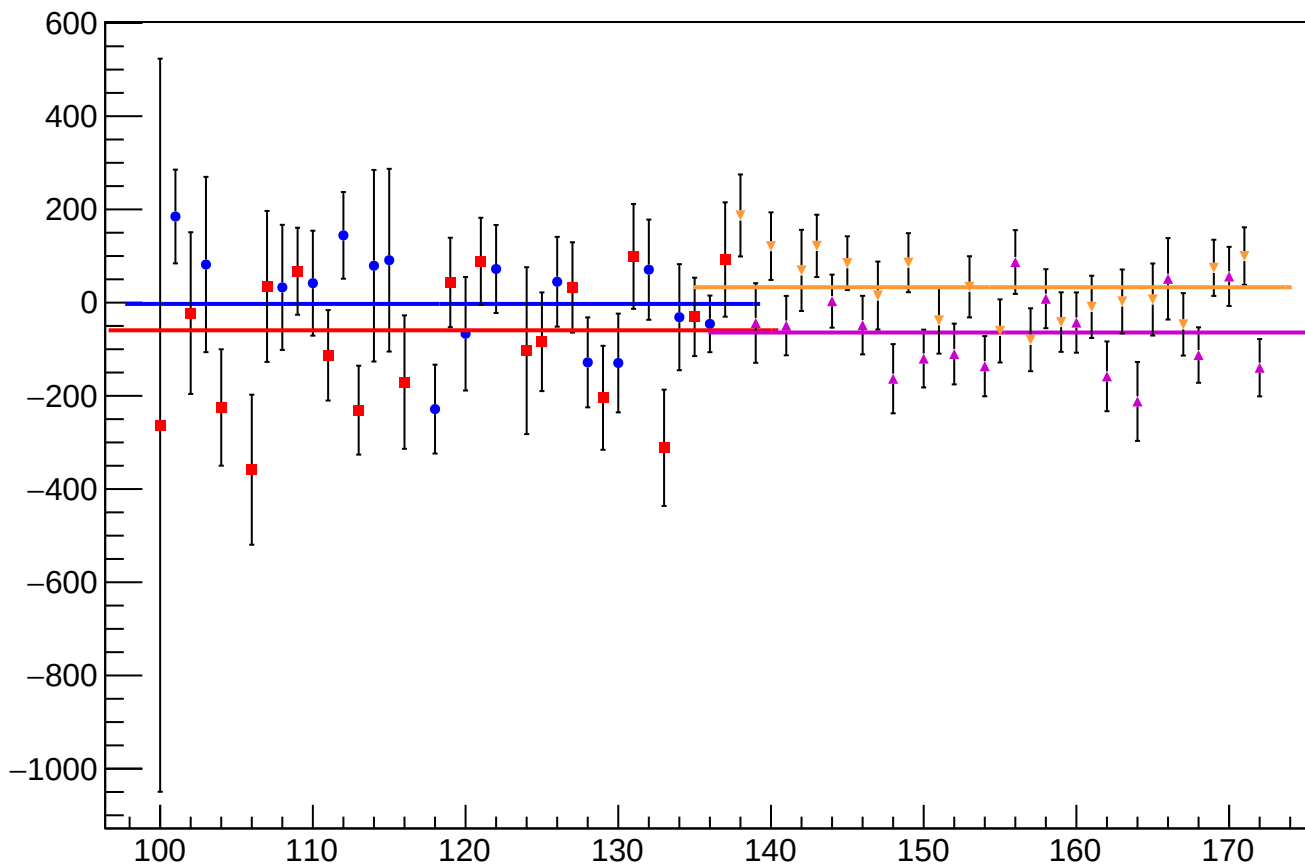
Left In: 0.000+/-0.000 χ^2/NDF : 1814061.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 5590371.9/33

All: 0.000+/-0.000 χ^2/NDF : 13413610.1/69

- sign 0.000+/-0.000 χ^2/NDF : 7744377.6/35

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

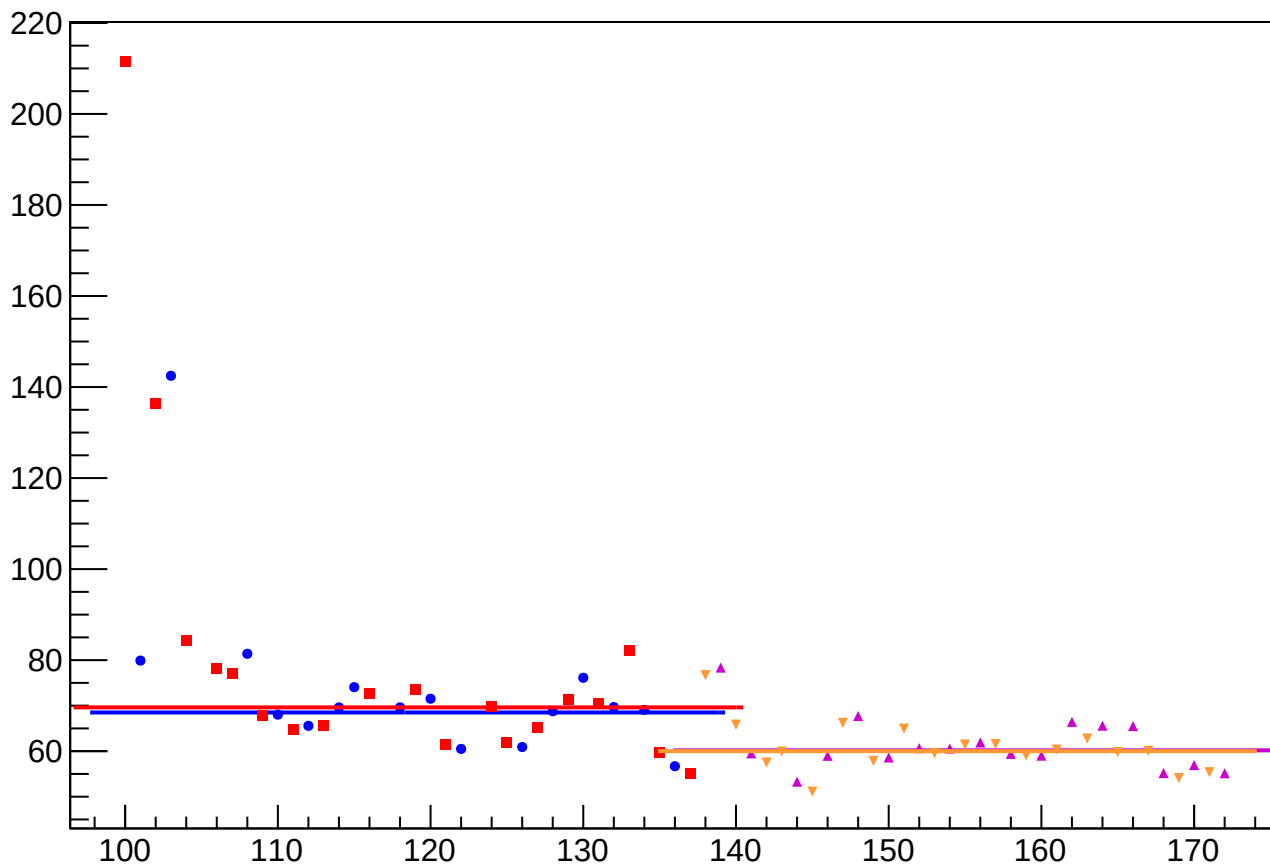
Left In: -64.122 ± 16.203 χ^2/NDF : 24.4/16

+ sign 23.311 ± 13.676 χ^2/NDF : 37.9/33

All: -19.341 ± 9.716 χ^2/NDF : 107.7/69

- sign -62.815 ± 13.807 χ^2/NDF : 50.1/35

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

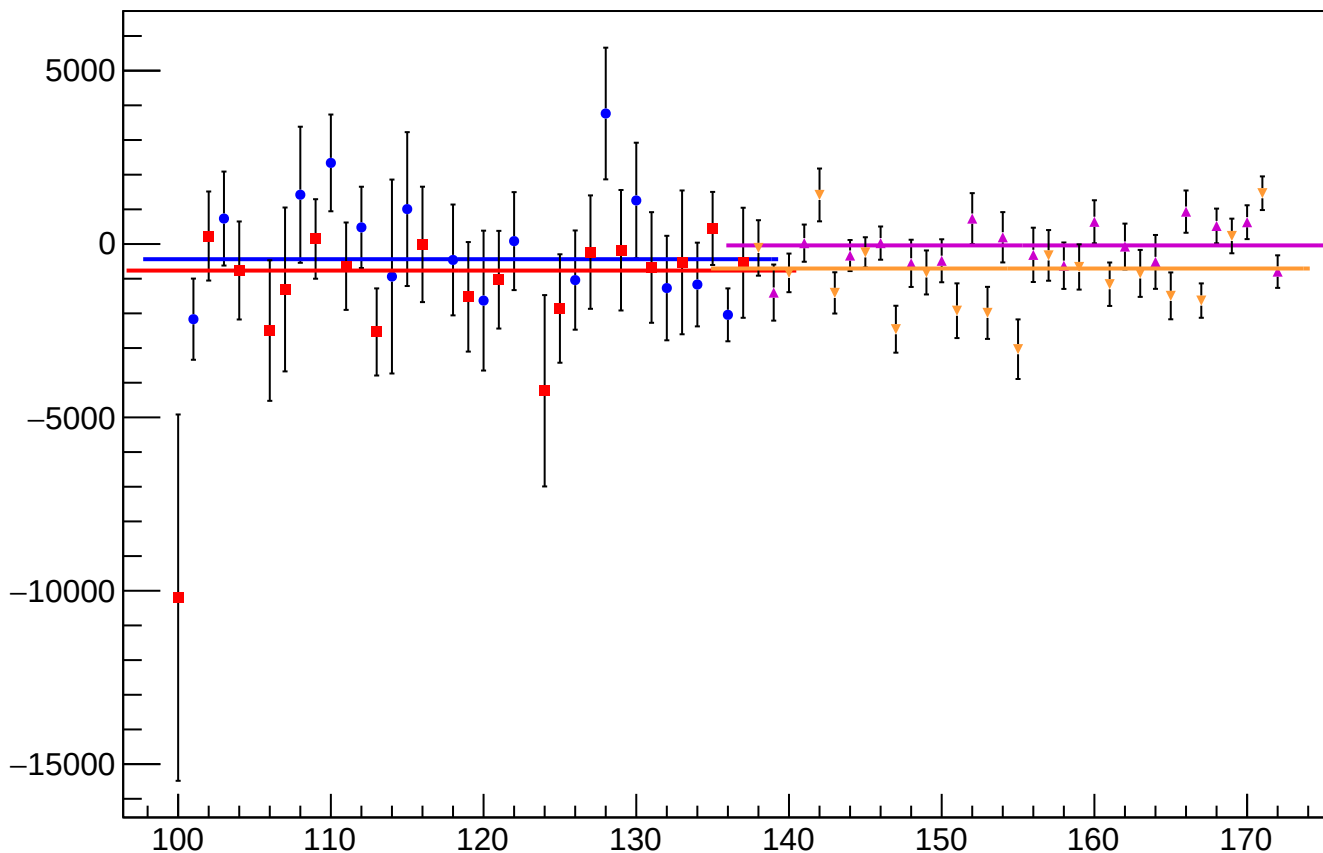
Left In: 60.184+/-0.011 χ^2/NDF : 207410.2/16

+ sign 62.314+/-0.010 χ^2/NDF : 821836.8/33

All: 62.539+/-0.007 χ^2/NDF : 1736509.5/69

- sign 62.768+/-0.010 χ^2/NDF : 913582.4/35

asym_sam_12345678_avg_reg_correction_mean vs Slug



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

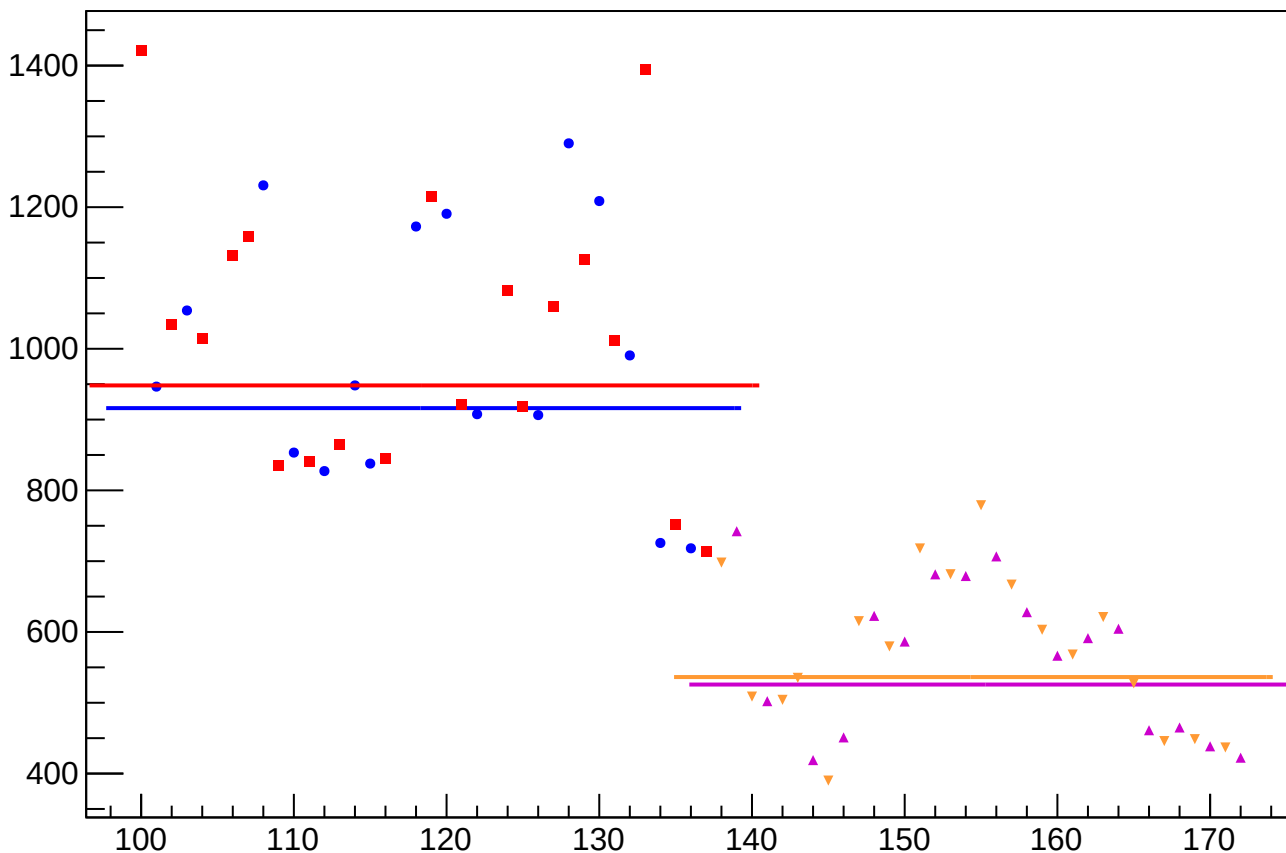
Left In: -39.707+/-143.318 χ^2/NDF : 16.3/16

+ sign -666.464+/-134.030 χ^2/NDF : 80.5/33

All: -401.987+/-94.333 χ^2/NDF : 119.5/69

- sign -142.366+/-132.794 χ^2/NDF : 31.3/35

asym_sam_12345678_avg_reg_correction_rms vs Slug



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

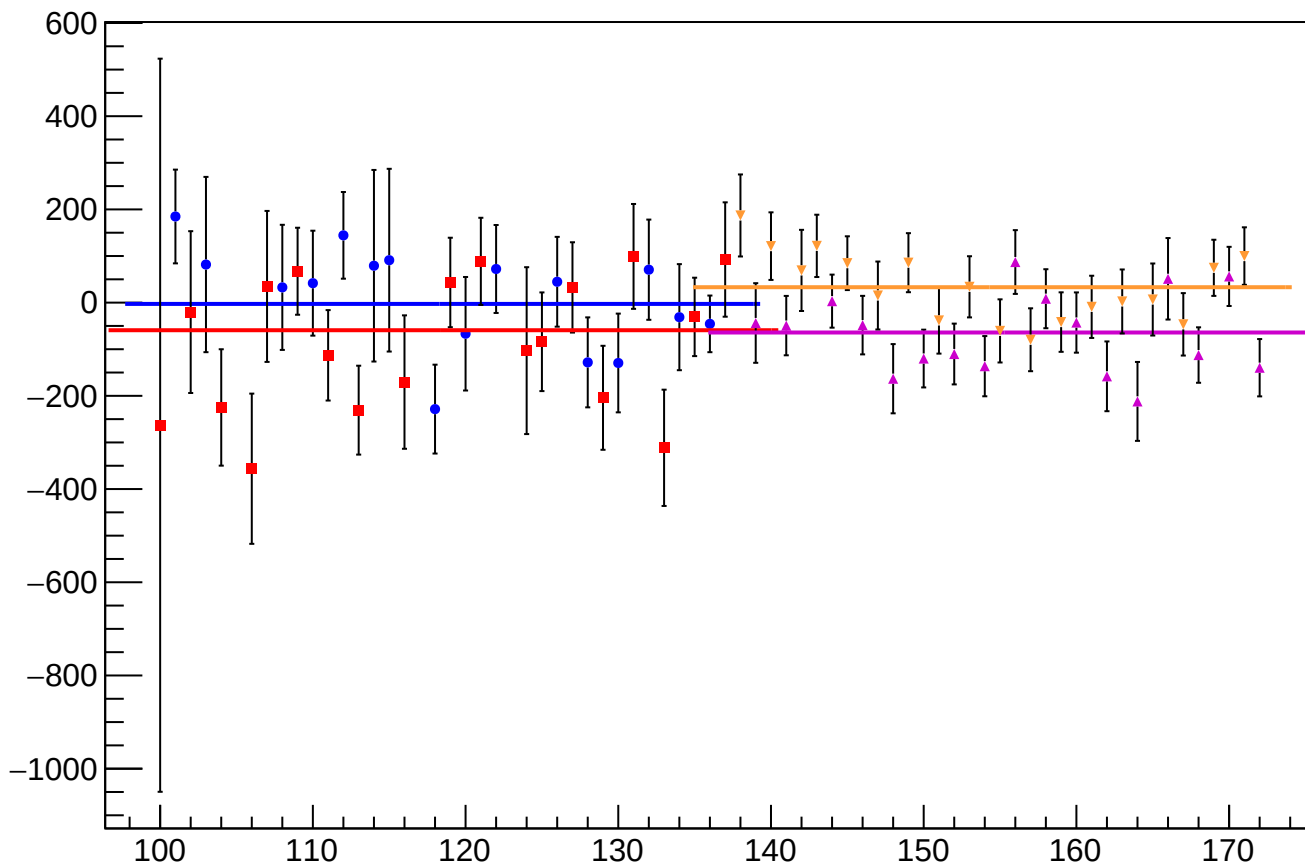
Left In: 525.732+/-0.101 χ^2/NDF : 963289.9/16

+ sign 592.381+/-0.095 χ^2/NDF : 3555571.4/33

All: 588.911+/-0.067 χ^2/NDF : 7395750.8/69

- sign 585.505+/-0.094 χ^2/NDF : 3837523.4/35

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

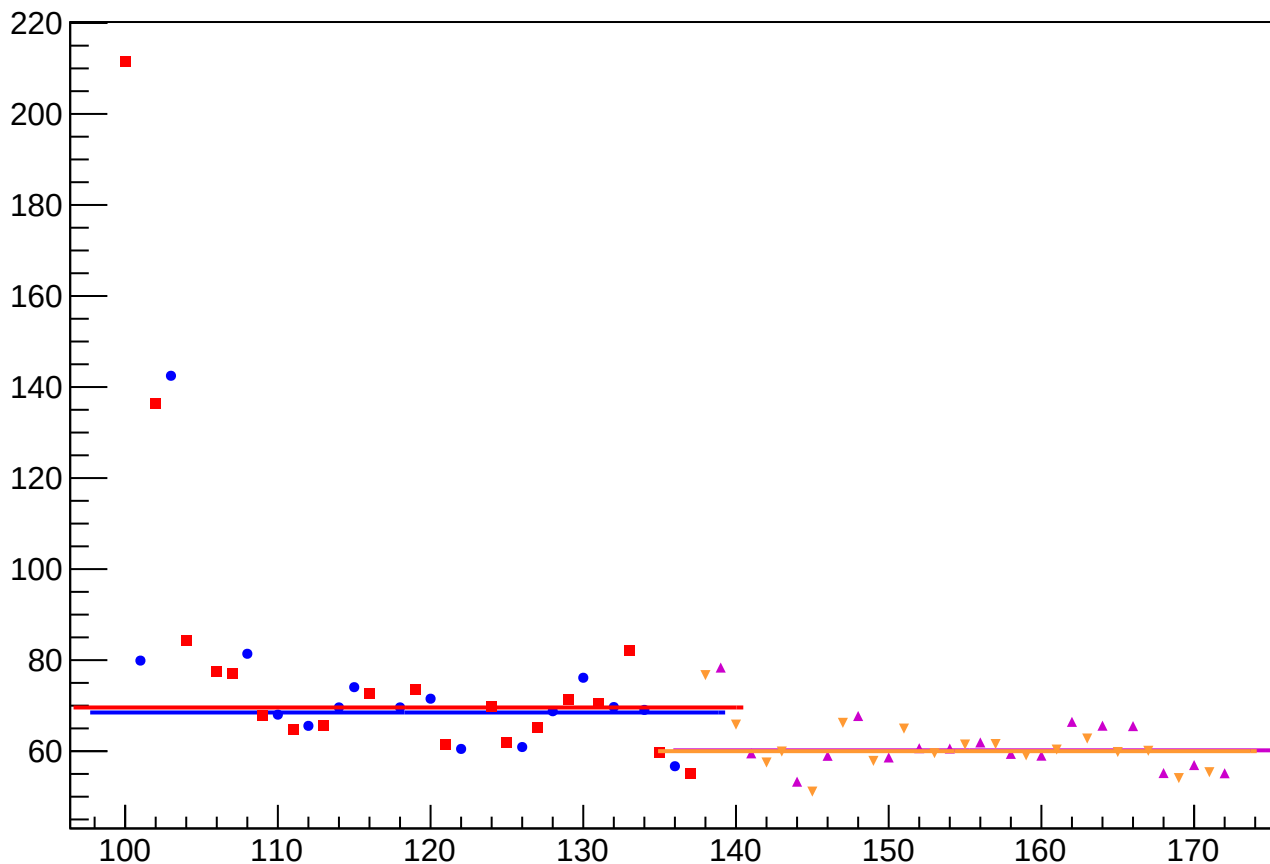
Left In: -64.121 ± 16.203 χ^2/NDF : 24.4/16

+ sign 23.311 ± 13.676 χ^2/NDF : 37.9/33

All: -19.324 ± 9.716 χ^2/NDF : 107.6/69

- sign -62.780 ± 13.807 χ^2/NDF : 50.0/35

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

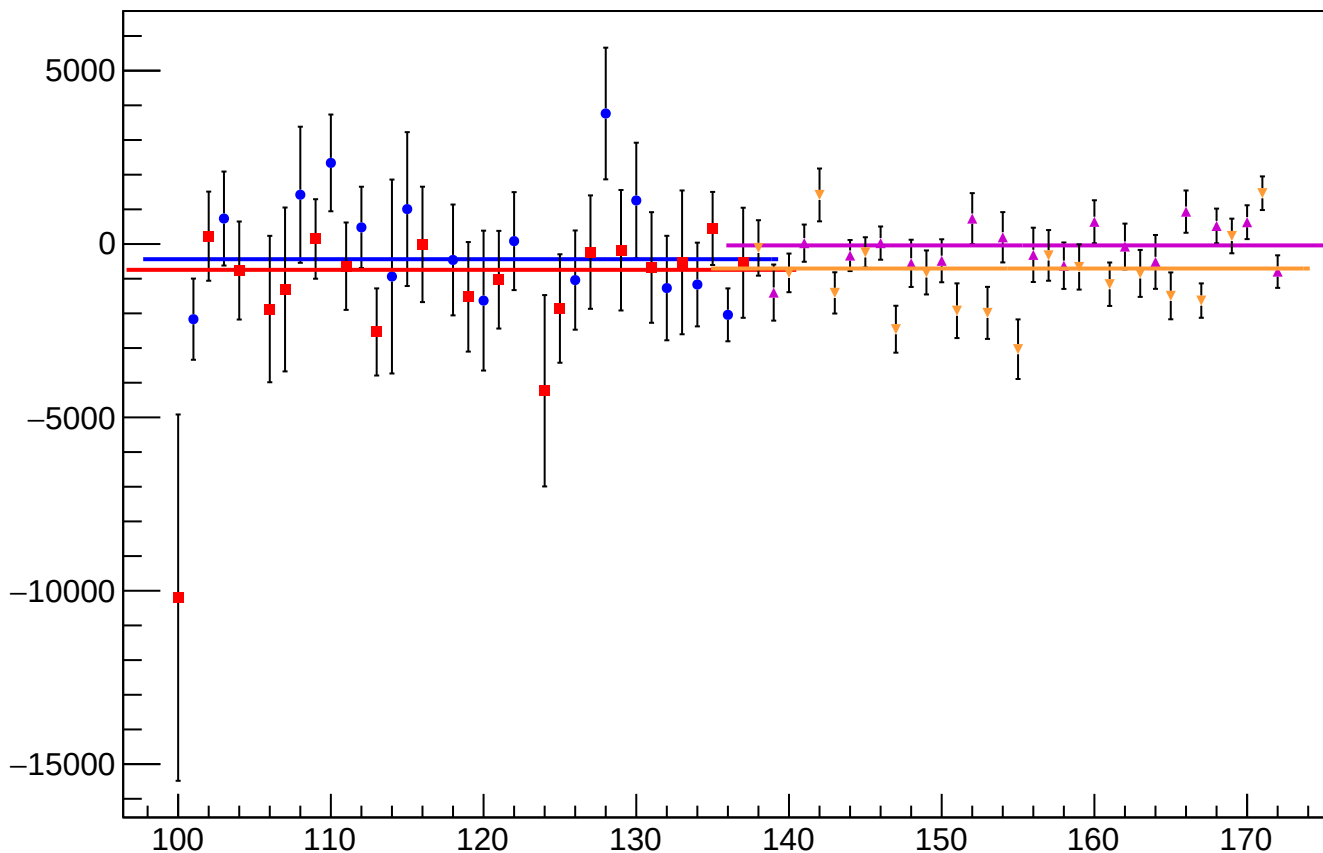
Left In: 60.184+/-0.011 χ^2 /NDF:207410.2/16

+ sign 62.314+/-0.010 χ^2 /NDF: 821839.8/33

All: 62.536+/-0.007 χ^2 /NDF: 1735103.2/69

- sign 62.763+/-0.010 χ^2 /NDF: 912199.2/35

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -437.415 $\pm$ 348.881 χ^2 /NDF: 20.6/15

Left Out: -706.112 $\pm$ 145.170 χ^2 /NDF:59.5/17

Right Out: -744.388 $\pm$ 353.488 χ^2 /NDF: 10.9/18

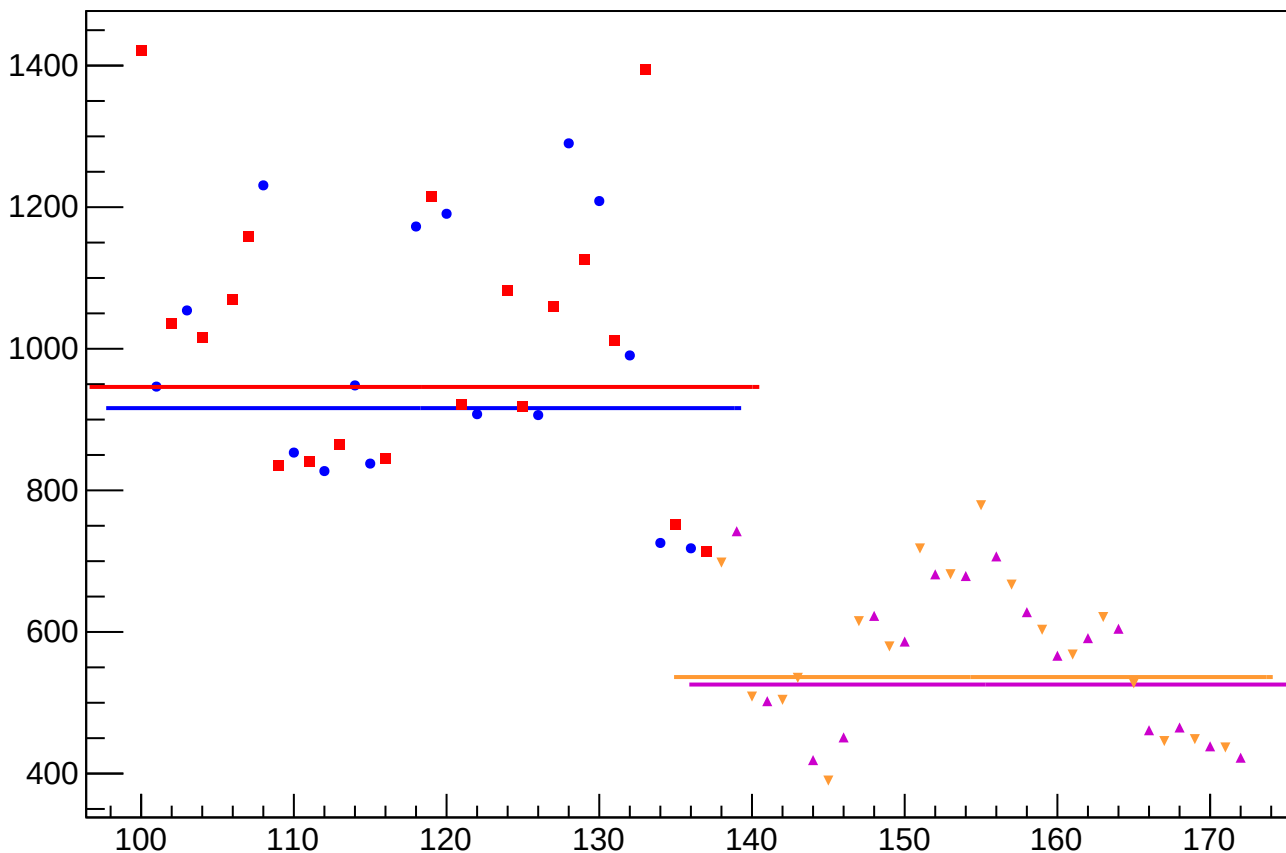
Left In: -39.709 $\pm$ 143.318 χ^2 /NDF:16.3/16

+ sign -666.456 $\pm$ 134.030 χ^2 /NDF: 80.5/33

All: -400.427 $\pm$ 94.342 χ^2 /NDF: 119.0/69

- sign -139.192 $\pm$ 132.817 χ^2 /NDF: 30.6/35

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 916.174 $\pm$ 0.247 χ^2 /NDF: 509149.2/15

Left Out: 536.319 $\pm$ 0.103 χ^2 /NDF:1025502.1/17

Right Out: 946.093 $\pm$ 0.250 χ^2 /NDF: 405411.3/18

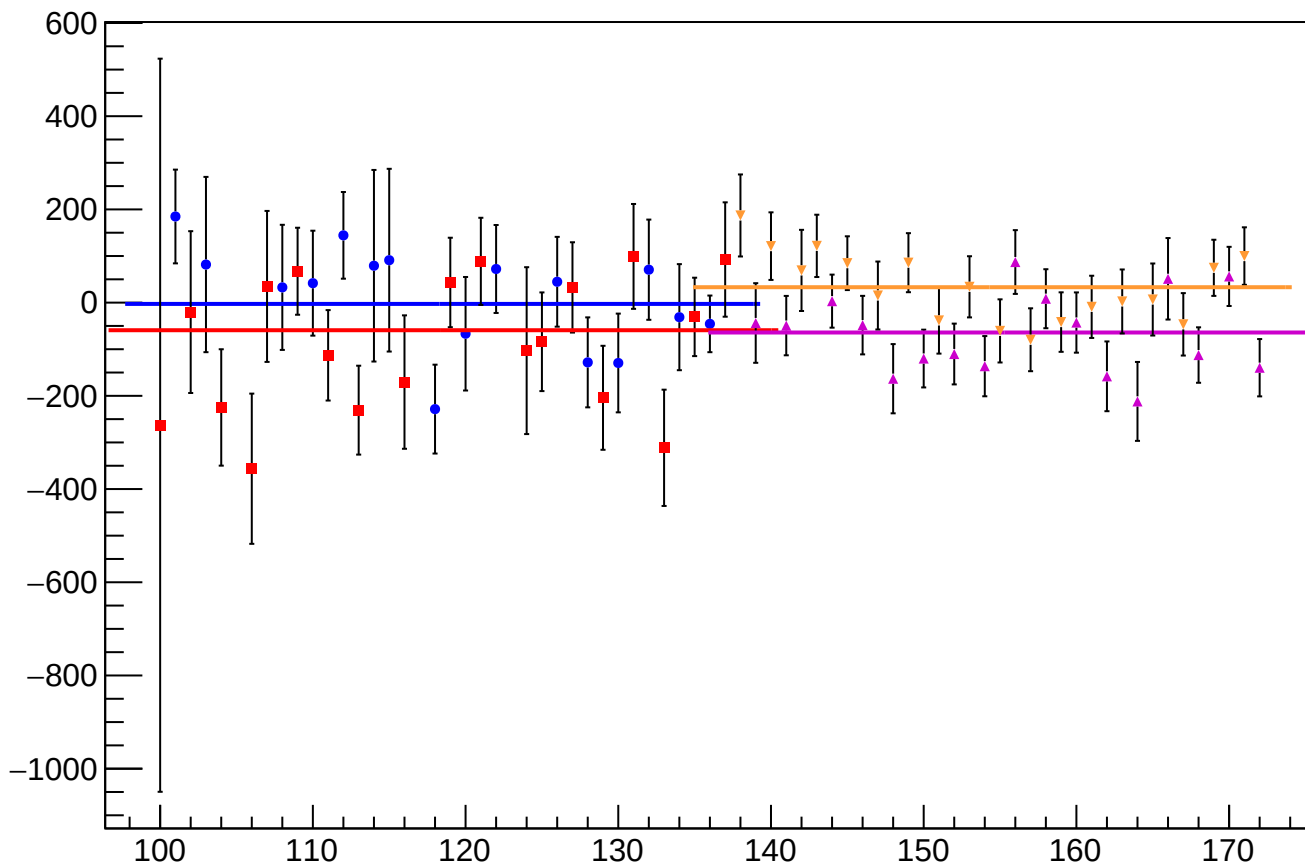
Left In: 525.732 $\pm$ 0.101 χ^2 /NDF:963288.5/16

+ sign 592.381 $\pm$ 0.095 χ^2 /NDF: 3555624.5/33

All: 588.695 $\pm$ 0.067 χ^2 /NDF: 7356330.3/69

- sign 585.076 $\pm$ 0.094 χ^2 /NDF: 3797708.8/35

eigen_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

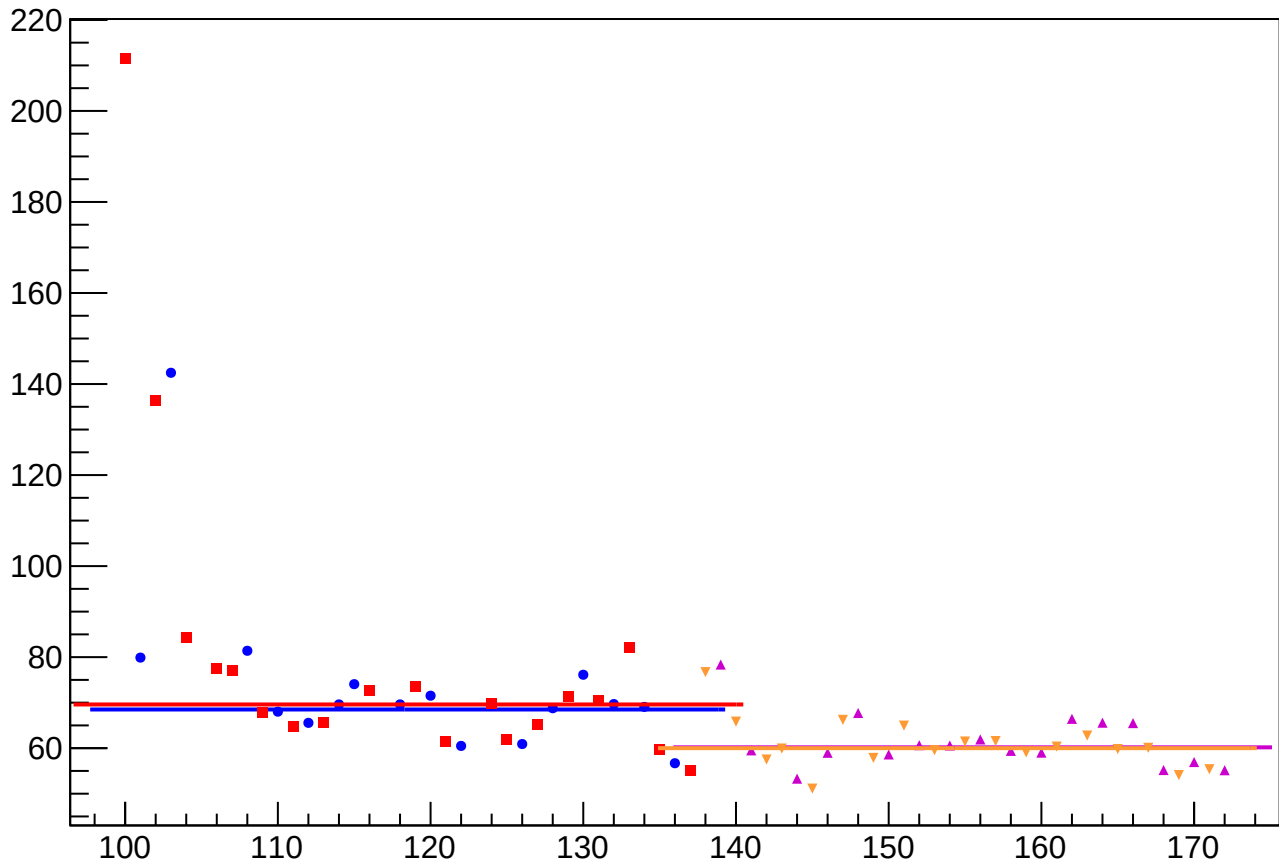
Left In: -64.121 ± 16.203 χ^2/NDF : 24.4/16

+ sign 23.311 ± 13.676 χ^2/NDF : 37.9/33

All: -19.324 ± 9.716 χ^2/NDF : 107.6/69

- sign -62.780 ± 13.807 χ^2/NDF : 50.0/35

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

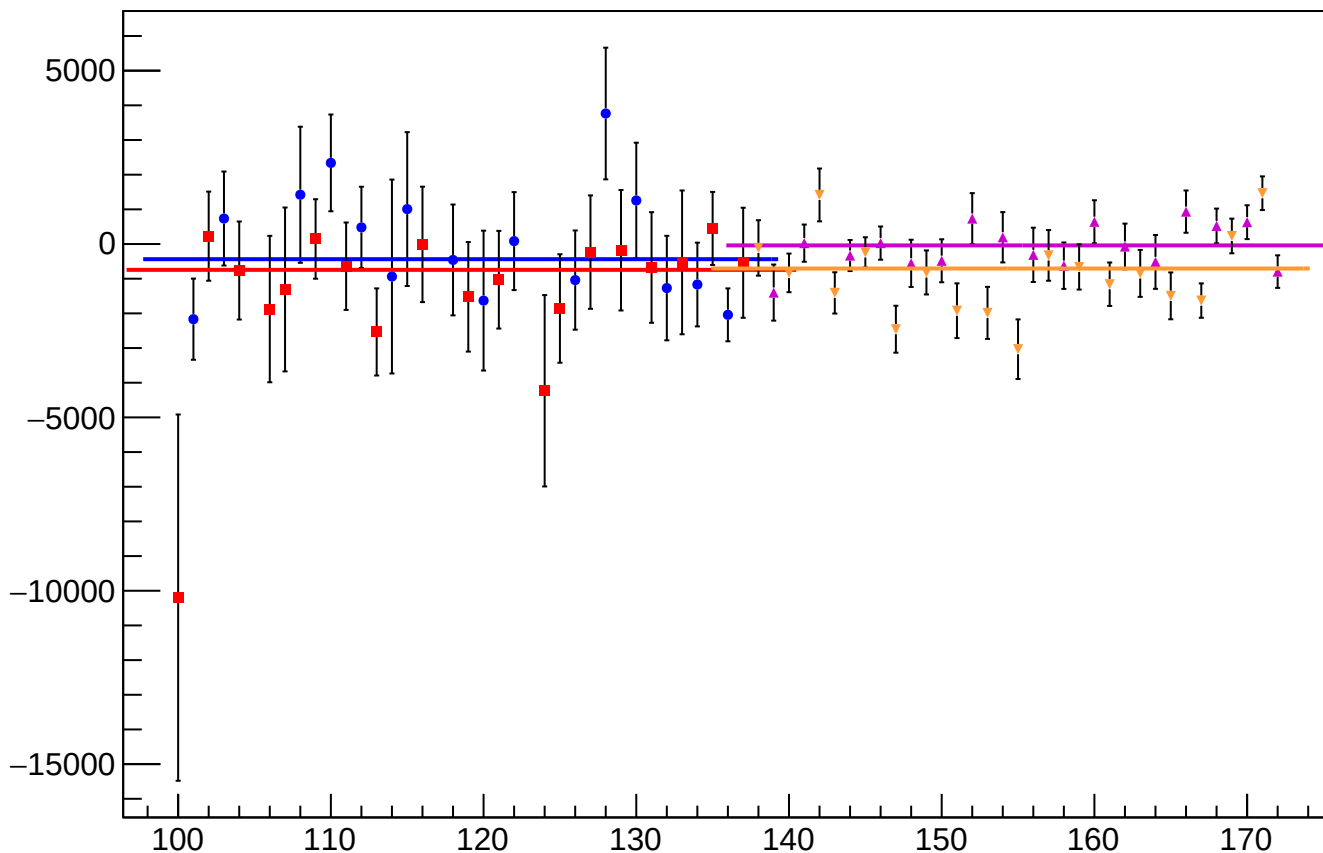
Left In: 60.184+/-0.011 χ^2/NDF :207410.2/16

+ sign 62.314+/-0.010 χ^2/NDF : 821839.8/33

All: 62.536+/-0.007 χ^2/NDF : 1735103.2/69

- sign 62.763+/-0.010 χ^2/NDF : 912199.2/35

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -437.415 $\pm$ 348.881 χ^2 /NDF: 20.6/15

Left Out: -706.112 $\pm$ 145.170 χ^2 /NDF:59.5/17

Right Out: -744.388 $\pm$ 353.488 χ^2 /NDF: 10.9/18

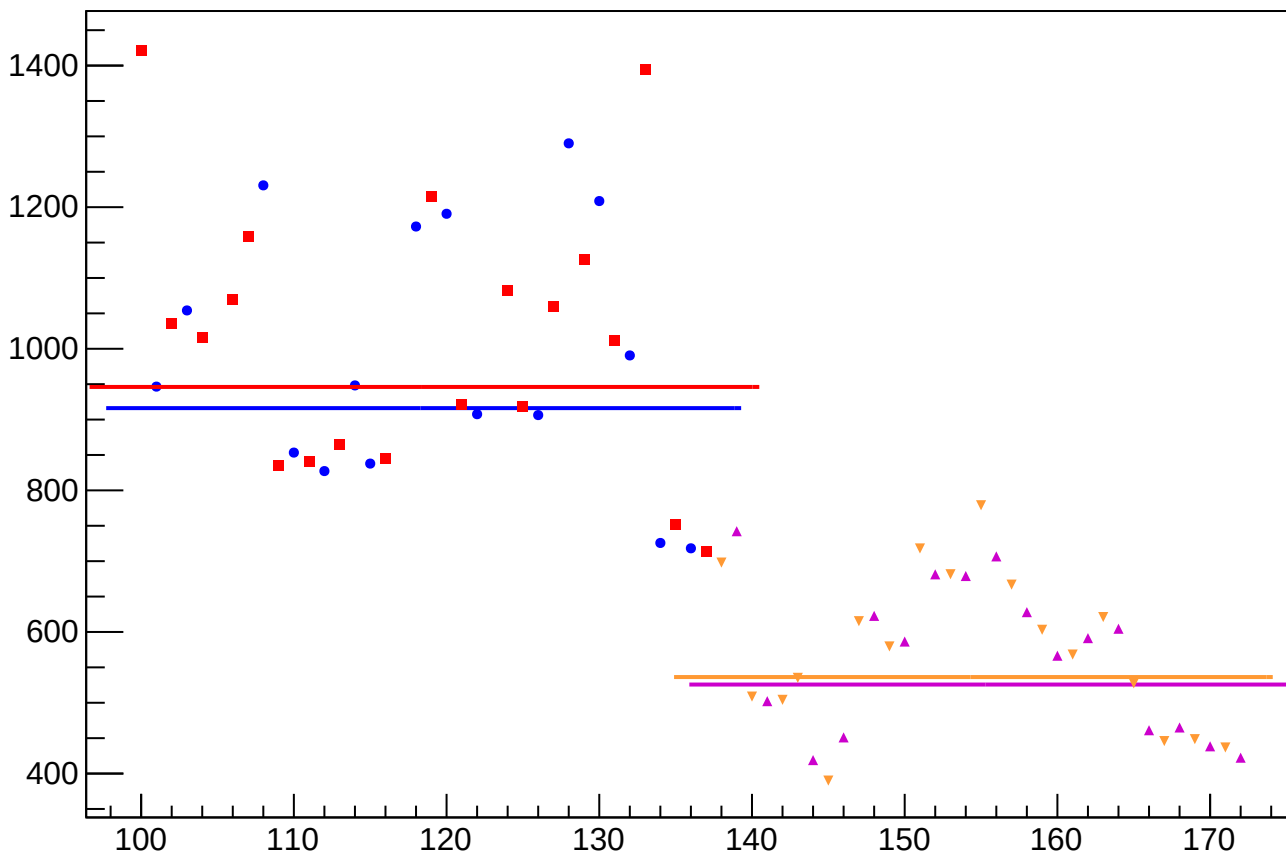
Left In: -39.709 $\pm$ 143.318 χ^2 /NDF:16.3/16

+ sign -666.456 $\pm$ 134.030 χ^2 /NDF: 80.5/33

All: -400.427 $\pm$ 94.342 χ^2 /NDF: 119.0/69

- sign -139.192 $\pm$ 132.817 χ^2 /NDF: 30.6/35

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



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

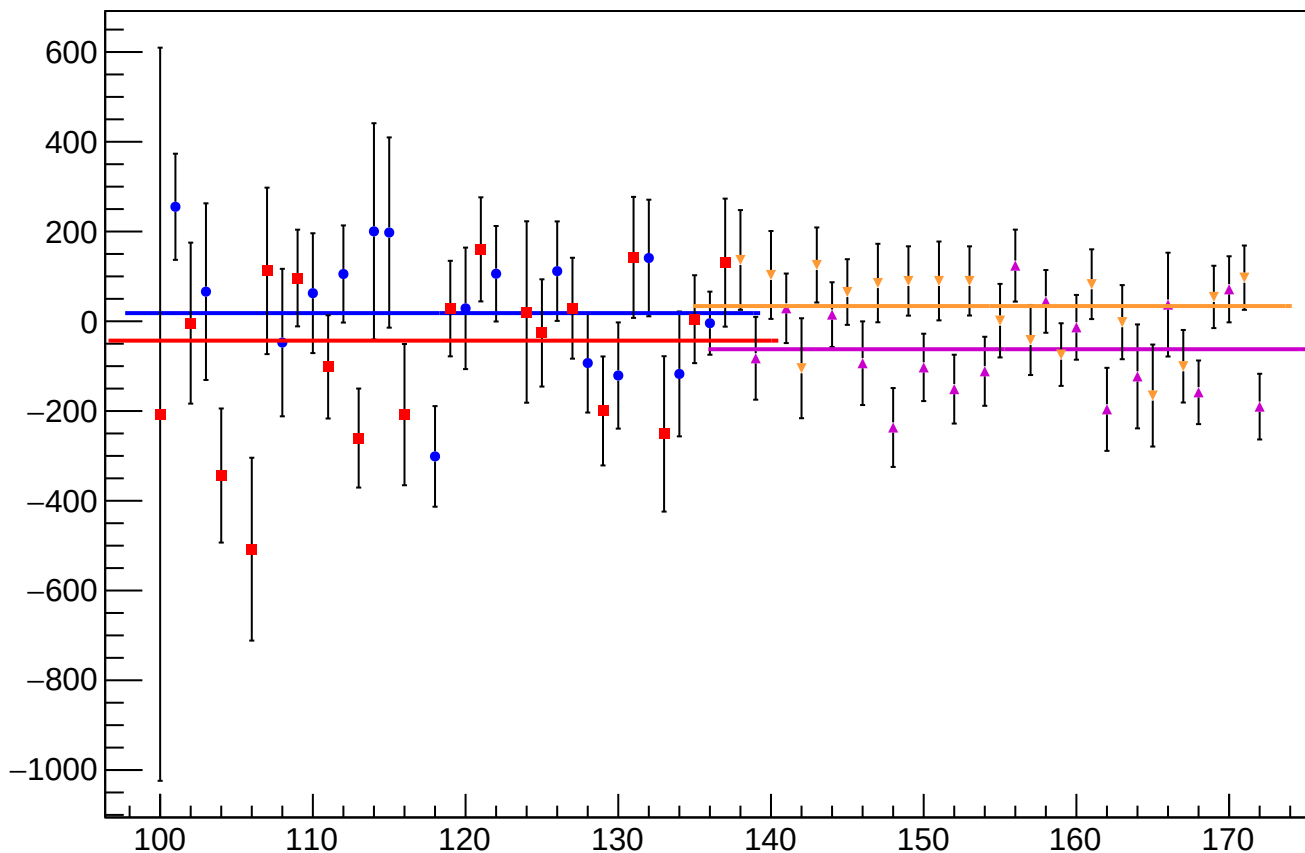
Left In: 525.732 ± 0.101 χ^2/NDF : 963288.5/16

+ sign 592.381 ± 0.095 χ^2/NDF : 3555624.5/33

All: 588.695 ± 0.067 χ^2/NDF : 7356330.3/69

- sign 585.076 ± 0.094 χ^2/NDF : 3797708.8/35

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 $\pm$ 30.346 χ^2 /NDF: 20.1/15

Left Out: 33.890 $\pm$ 19.408 χ^2 /NDF:16.9/17

Right Out: -43.146 $\pm$ 30.707 χ^2 /NDF: 27.7/18

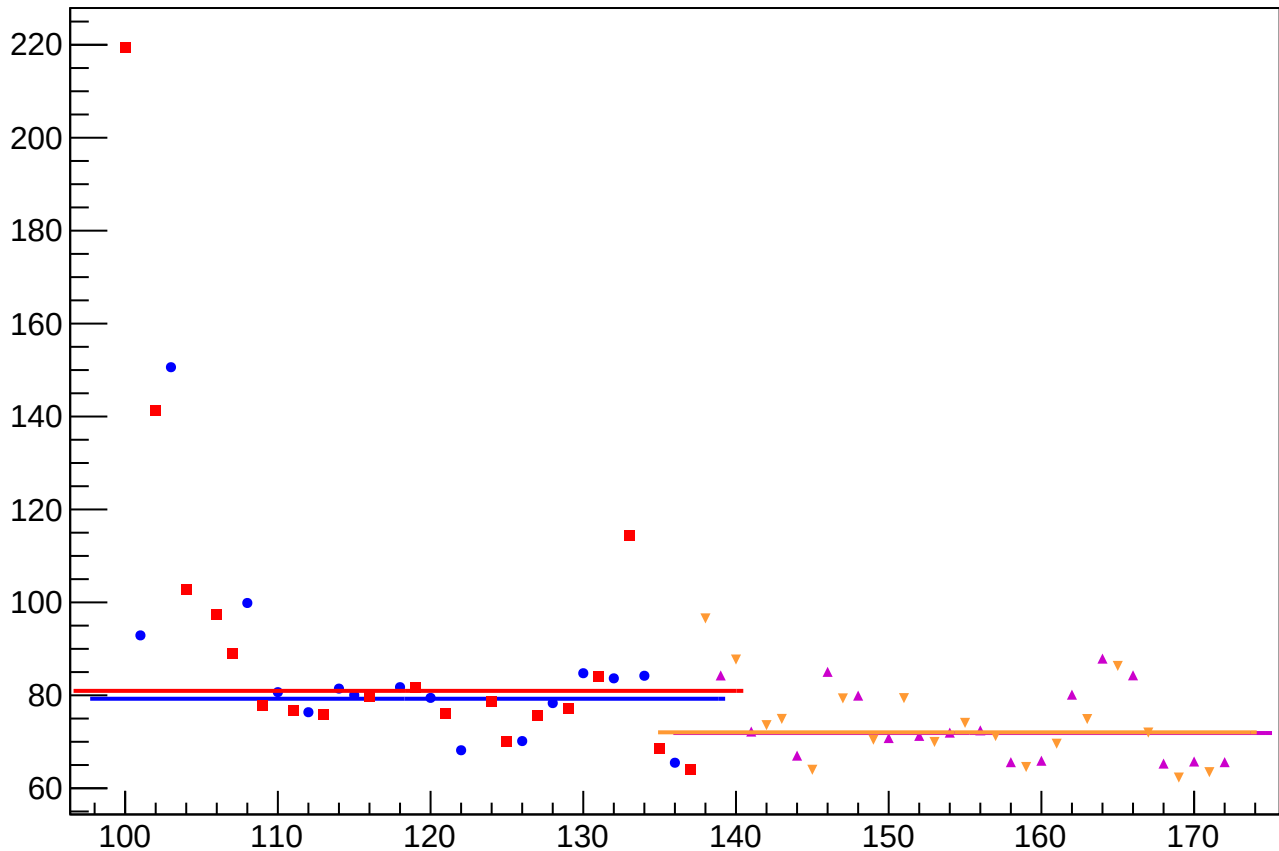
Left In: -62.282 $\pm$ 19.514 χ^2 /NDF:28.1/16

+ sign 29.328 $\pm$ 16.350 χ^2 /NDF: 37.2/33

All: -13.411 $\pm$ 11.603 χ^2 /NDF: 107.1/69

- sign -56.777 $\pm$ 16.470 χ^2 /NDF: 56.1/35

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 $\pm$ 0.021 χ^2 /NDF: 444951.1/15

Left Out: 72.034 $\pm$ 0.014 χ^2 /NDF: 333982.1/17

Right Out: 80.958 $\pm$ 0.022 χ^2 /NDF: 514182.4/18

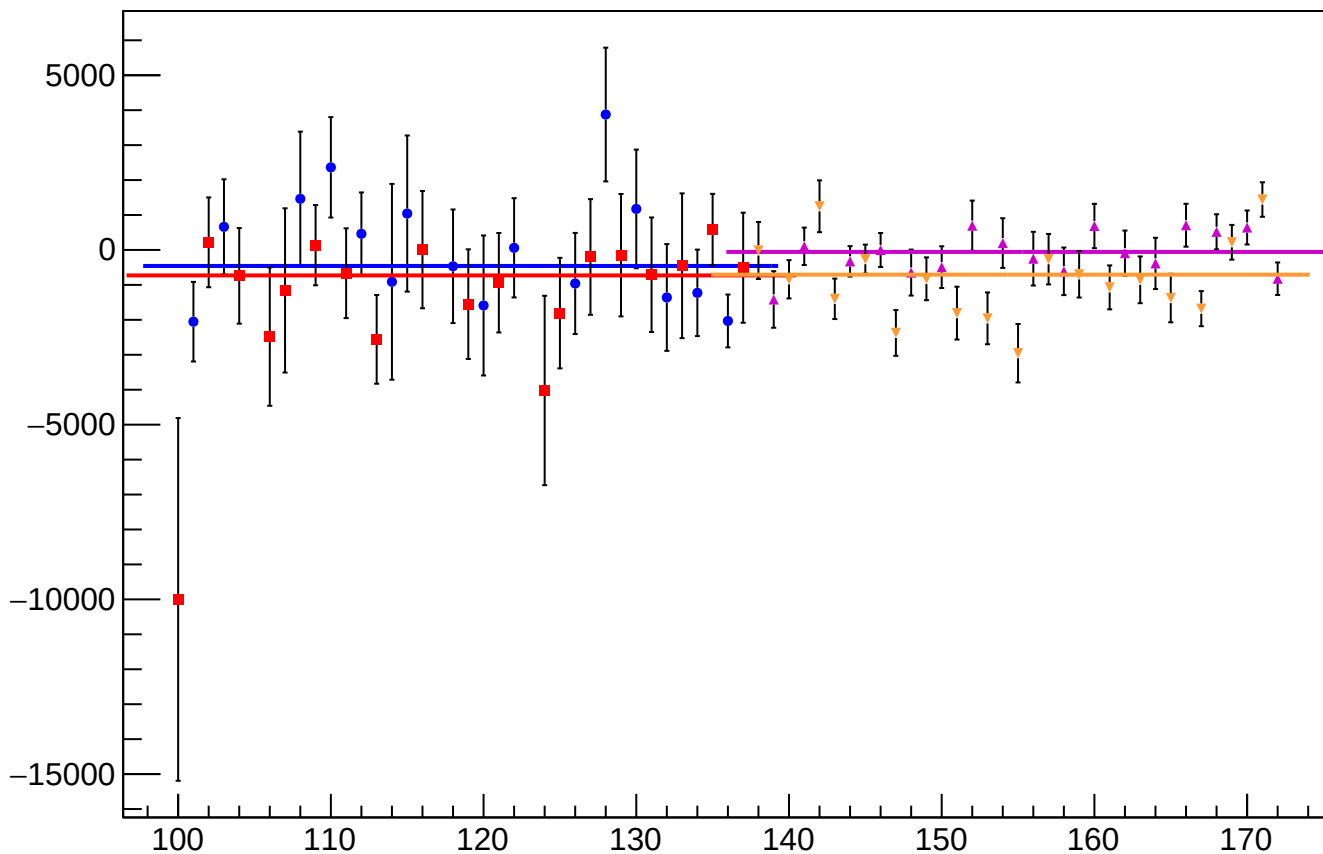
Left In: 71.884 $\pm$ 0.014 χ^2 /NDF: 255220.2/16

+ sign 74.133 $\pm$ 0.012 χ^2 /NDF: 859476.2/33

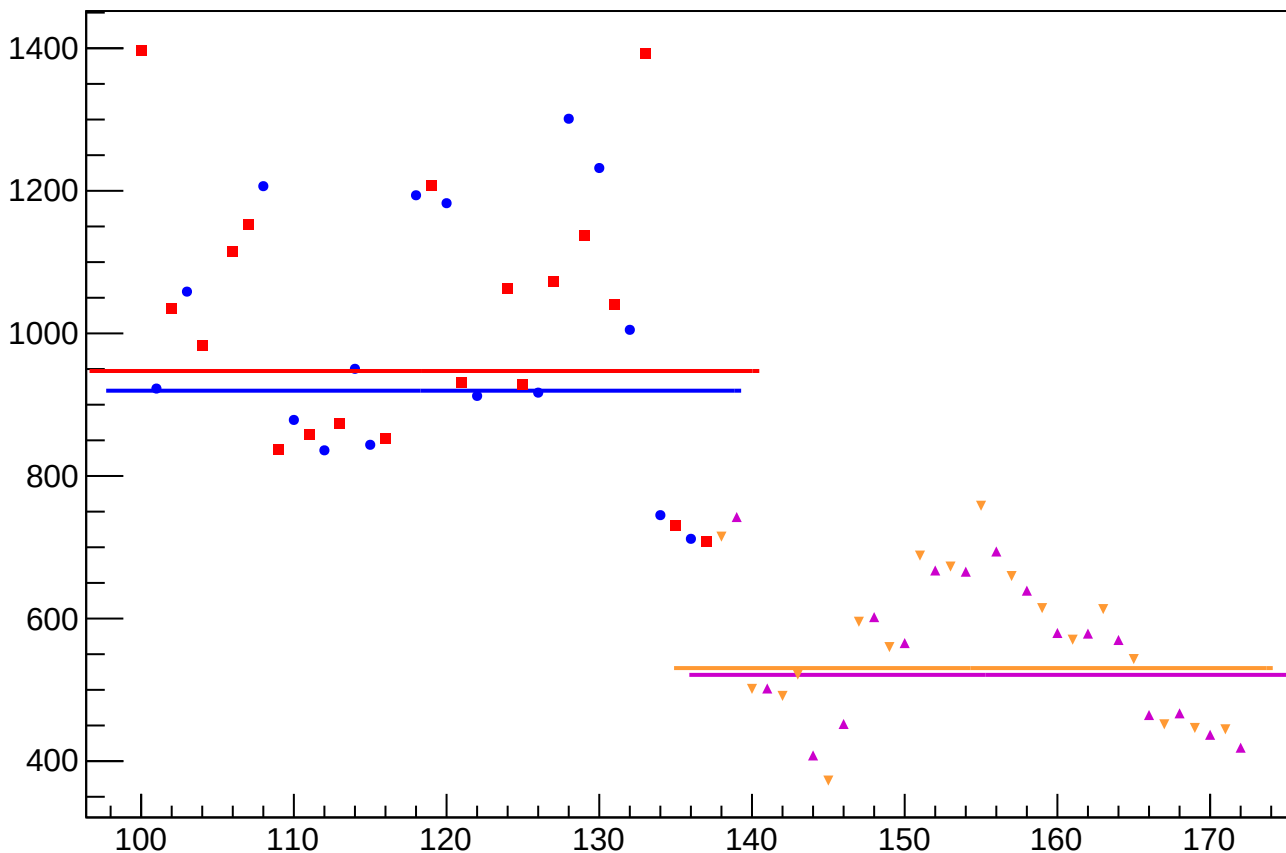
All: 74.312 $\pm$ 0.008 χ^2 /NDF: 1753790.3/69

- sign 74.494 $\pm$ 0.012 χ^2 /NDF: 893829.4/35

asym_sam_12345678_avg_dit_correction_mean vs Slug



asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 919.638 $\pm$ 0.248 χ^2 /NDF: 515443.8/15

Left Out: 530.524 $\pm$ 0.101 χ^2 /NDF: 1038746.0/17

Right Out: 947.272 $\pm$ 0.249 χ^2 /NDF: 425563.8/18

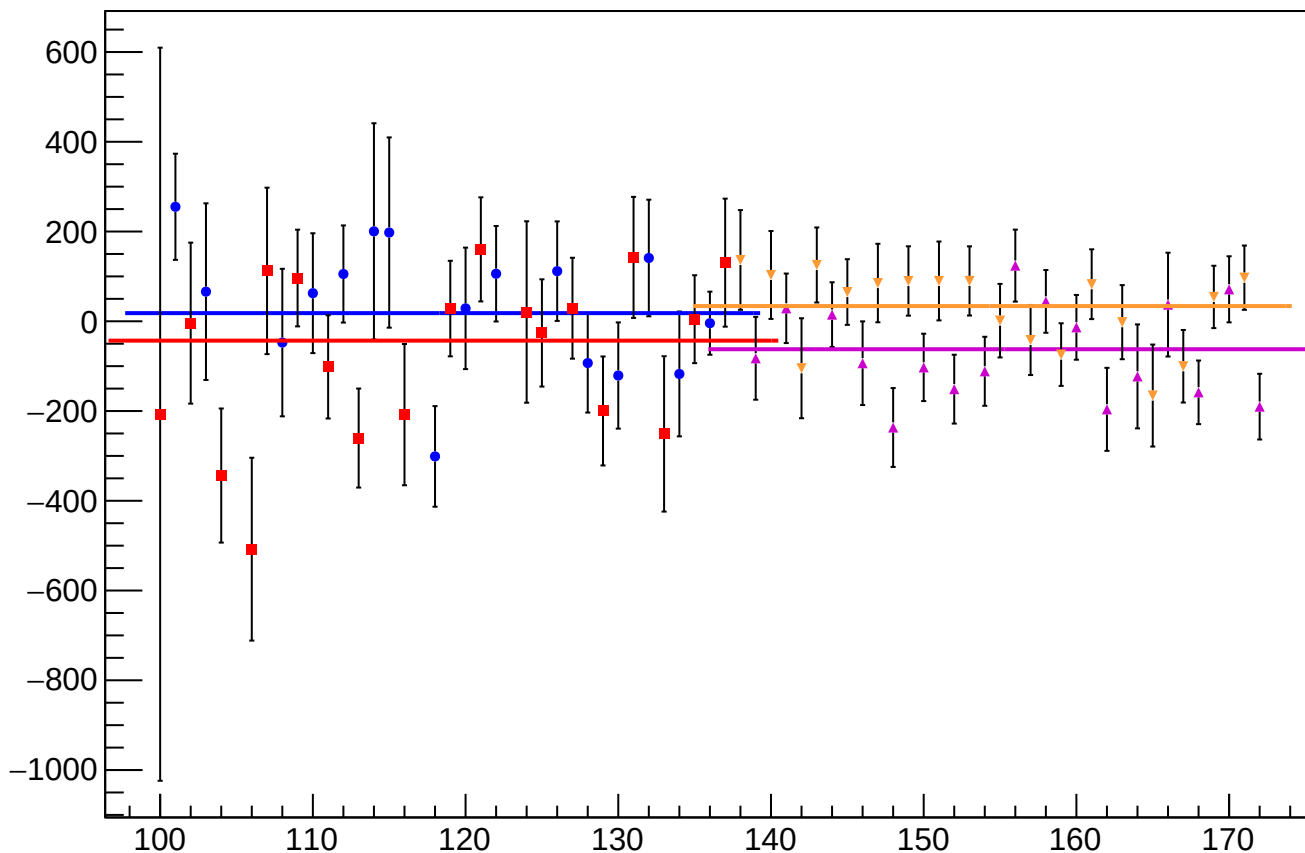
Left In: 521.005 $\pm$ 0.100 χ^2 /NDF: 934185.9/16

+ sign 586.489 $\pm$ 0.094 χ^2 /NDF: 3669744.3/33

All: 583.471 $\pm$ 0.066 χ^2 /NDF: 7546941.9/69

- sign 580.501 $\pm$ 0.093 χ^2 /NDF: 3875147.0/35

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.175 $\pm$ 30.346 χ^2 /NDF: 20.1/15

Left Out: 33.891 $\pm$ 19.408 χ^2 /NDF:16.9/17

Right Out: -43.144 $\pm$ 30.707 χ^2 /NDF: 27.7/18

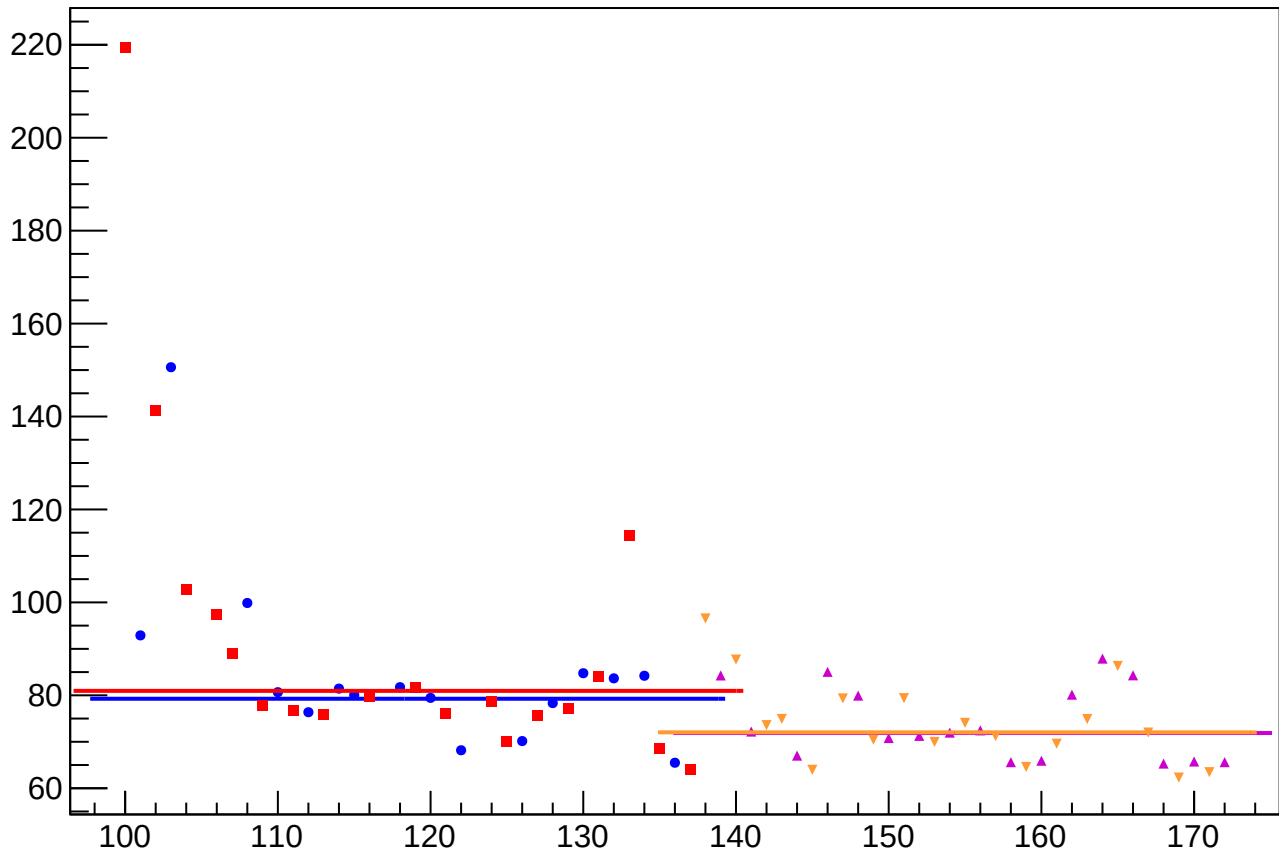
Left In: -62.281 $\pm$ 19.514 χ^2 /NDF:28.1/16

+ sign 29.329 $\pm$ 16.350 χ^2 /NDF: 37.2/33

All: -13.410 $\pm$ 11.603 χ^2 /NDF: 107.1/69

- sign -56.776 $\pm$ 16.470 χ^2 /NDF: 56.1/35

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.263 ± 0.021 $\chi^2/\text{NDF}: 444948.4/15$

Left Out: 72.035 ± 0.014 $\chi^2/\text{NDF}: 333980.1/17$

Right Out: 80.958 ± 0.022 $\chi^2/\text{NDF}: 514191.2/18$

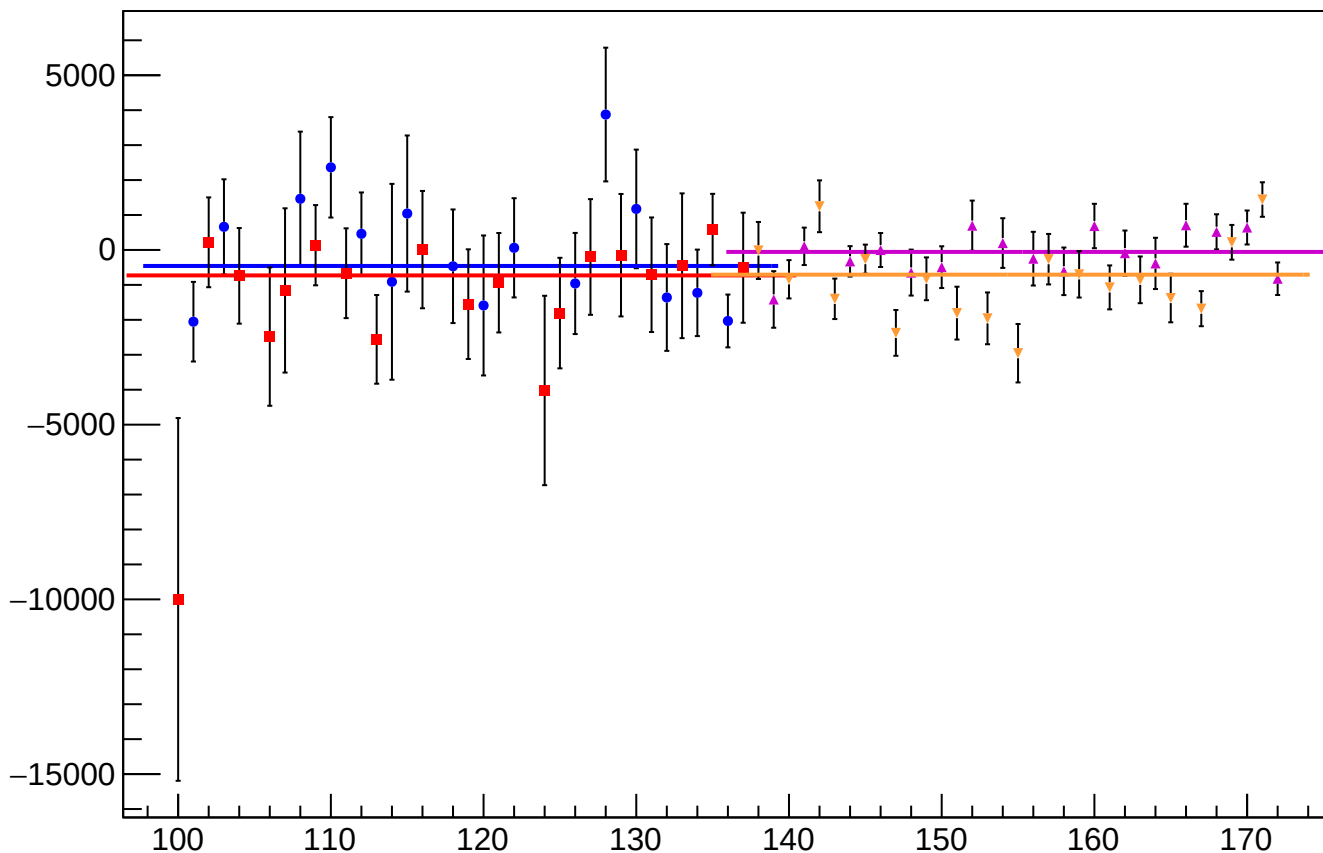
Left In: 71.884 ± 0.014 $\chi^2/\text{NDF}: 255223.8/16$

+ sign 74.133 ± 0.012 $\chi^2/\text{NDF}: 859460.8/33$

All: 74.312 ± 0.008 $\chi^2/\text{NDF}: 1753774.9/69$

- sign 74.494 ± 0.012 $\chi^2/\text{NDF}: 893829.3/35$

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



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

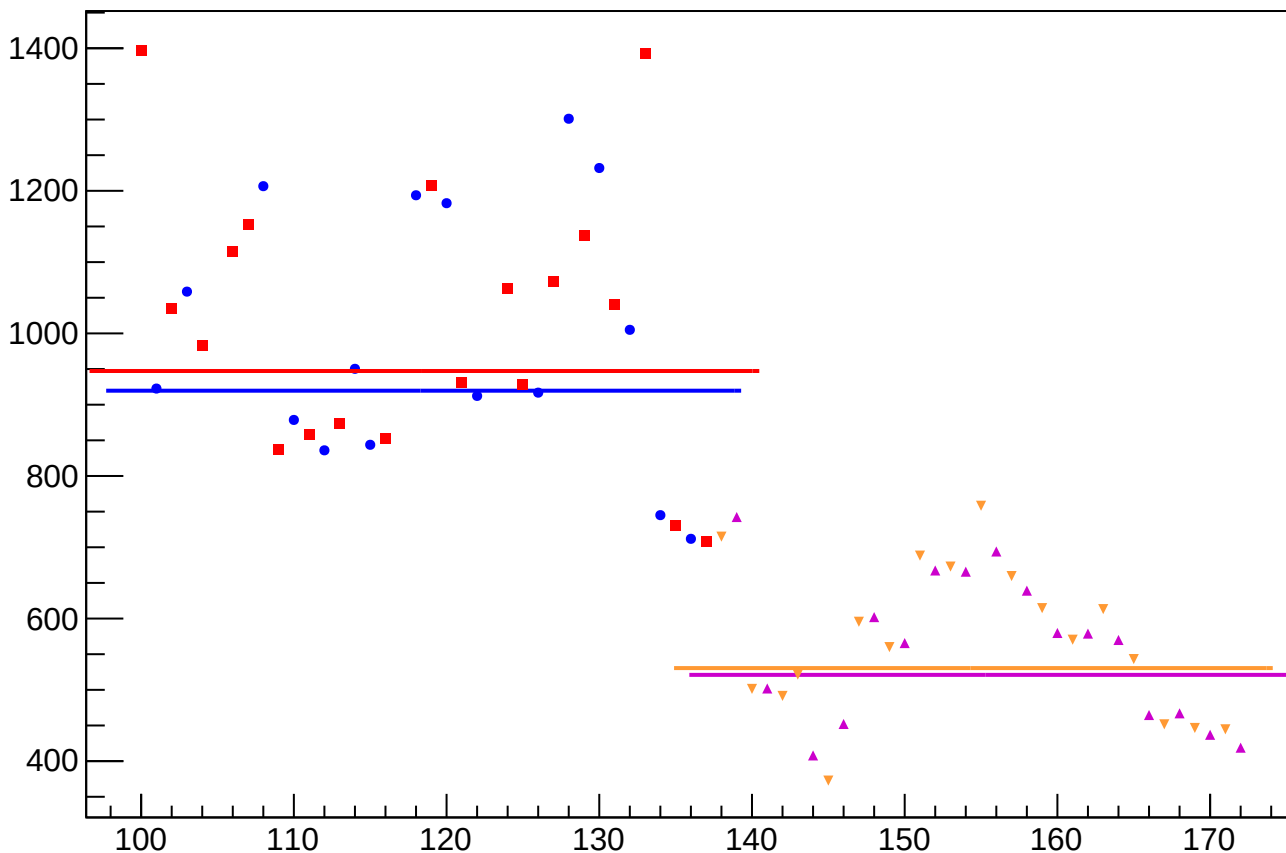
Left In: -56.465+/-142.002 χ^2 /NDF: 15.8/16

+ sign -671.481+/-132.764 χ^2 /NDF: 77.6/33

All: -408.831+/-93.507 χ^2 /NDF: 115.8/69

- sign -150.298+/-131.720 χ^2 /NDF: 30.5/35

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



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

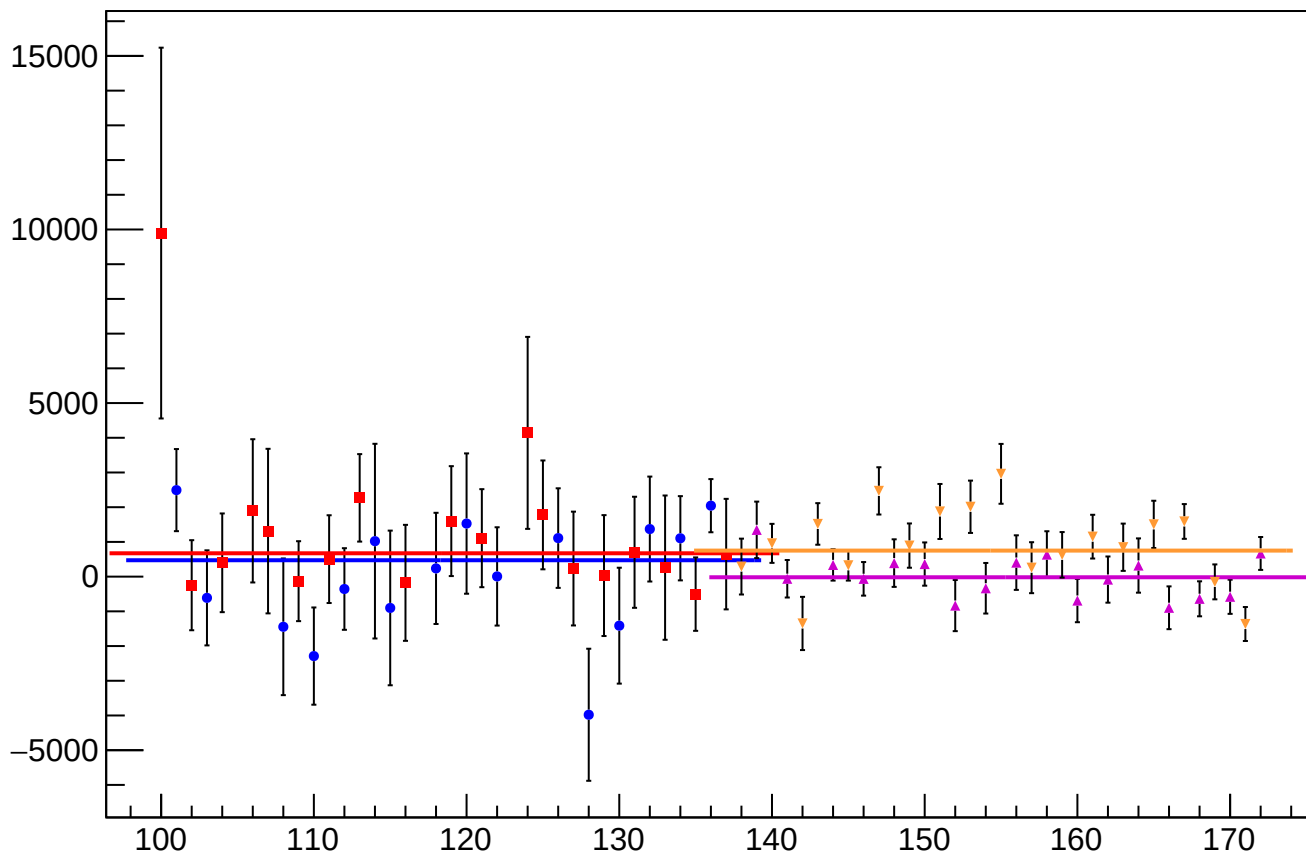
Left In: 521.005 ± 0.100 χ^2/NDF : 934185.0/16

+ sign 586.488 ± 0.094 χ^2/NDF : 3669749.6/33

All: 583.470 ± 0.066 χ^2/NDF : 7546941.3/69

- sign 580.500 ± 0.093 χ^2/NDF : 3875141.4/35

asym_sam_12345678_avg_mean vs Slug



Right In: 472.014 ± 350.376 $\chi^2/\text{NDF}: 21.5/15$

Left Out: 750.002 ± 146.154 $\chi^2/\text{NDF}: 55.2/17$

Right Out: 672.537 ± 354.512 $\chi^2/\text{NDF}: 10.3/18$

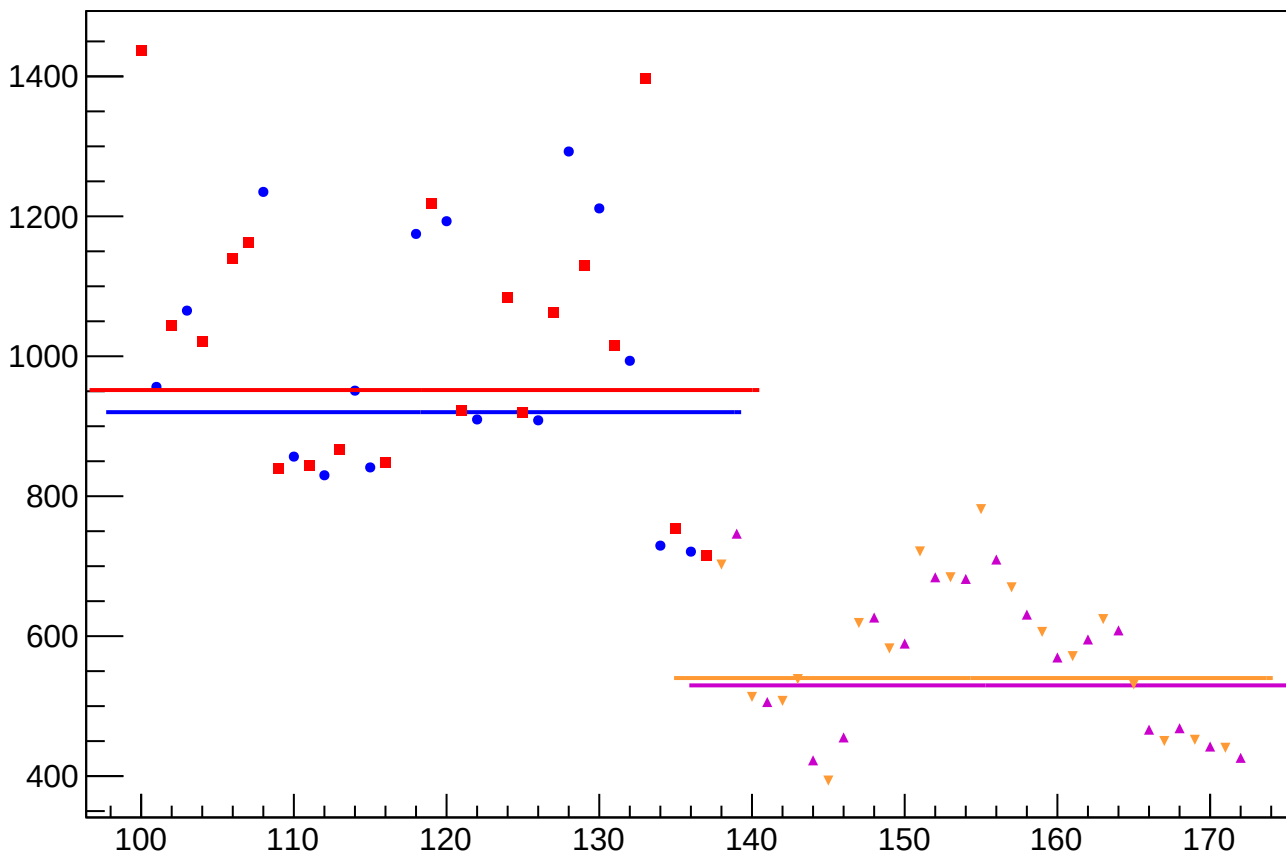
Left In: -18.263 ± 144.339 $\chi^2/\text{NDF}: 15.1/16$

+ sign 708.801 ± 134.889 $\chi^2/\text{NDF}: 77.2/33$

All: 391.562 ± 94.952 $\chi^2/\text{NDF}: 116.9/69$

- sign 79.968 ± 133.684 $\chi^2/\text{NDF}: 28.7/35$

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

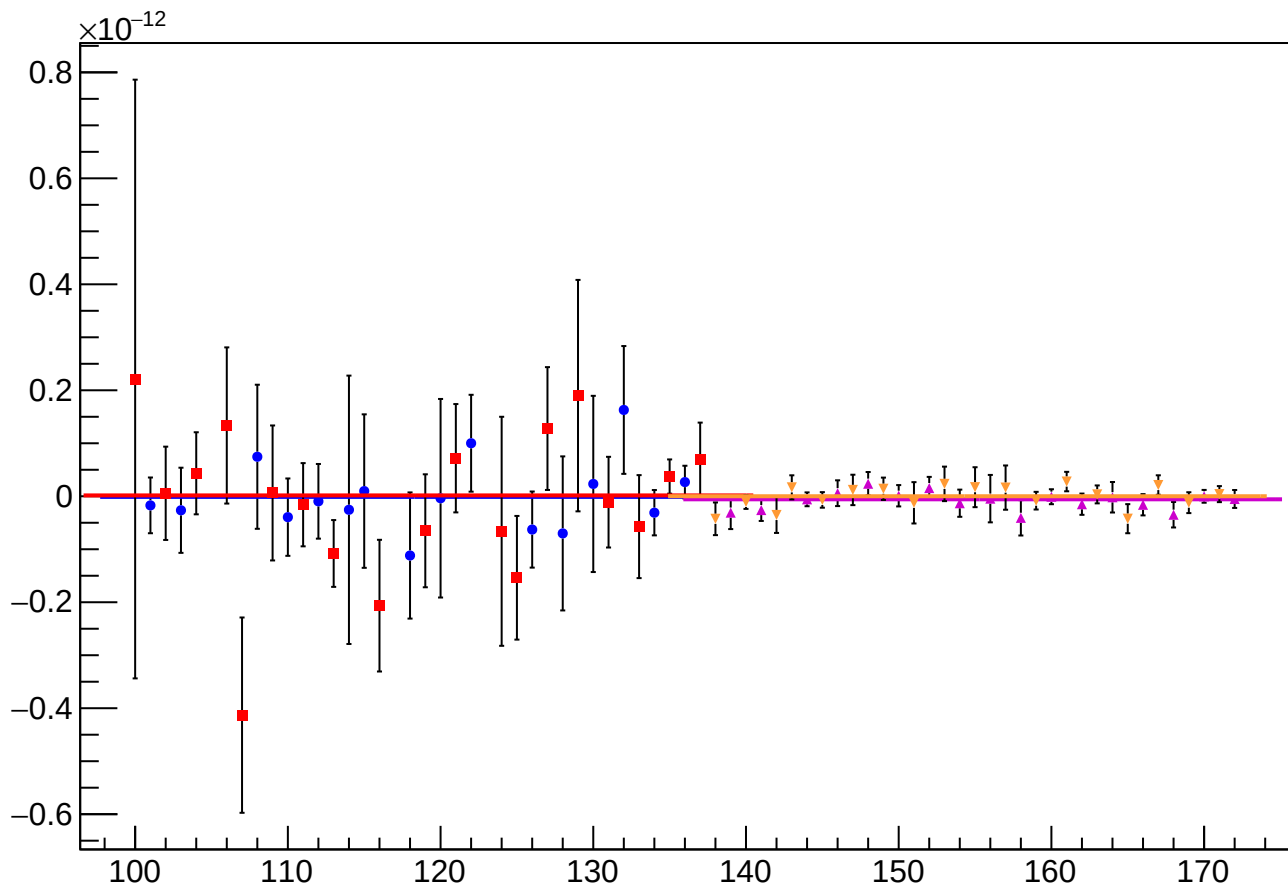
Left In: 529.650+/-0.102 χ^2/NDF : 946539.7/16

+ sign 596.444+/-0.095 χ^2/NDF : 3520921.5/33

All: 593.026+/-0.067 χ^2/NDF : 7317964.9/69

- sign 589.669+/-0.095 χ^2/NDF : 3794497.7/35

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 7.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:12.8/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.4/18

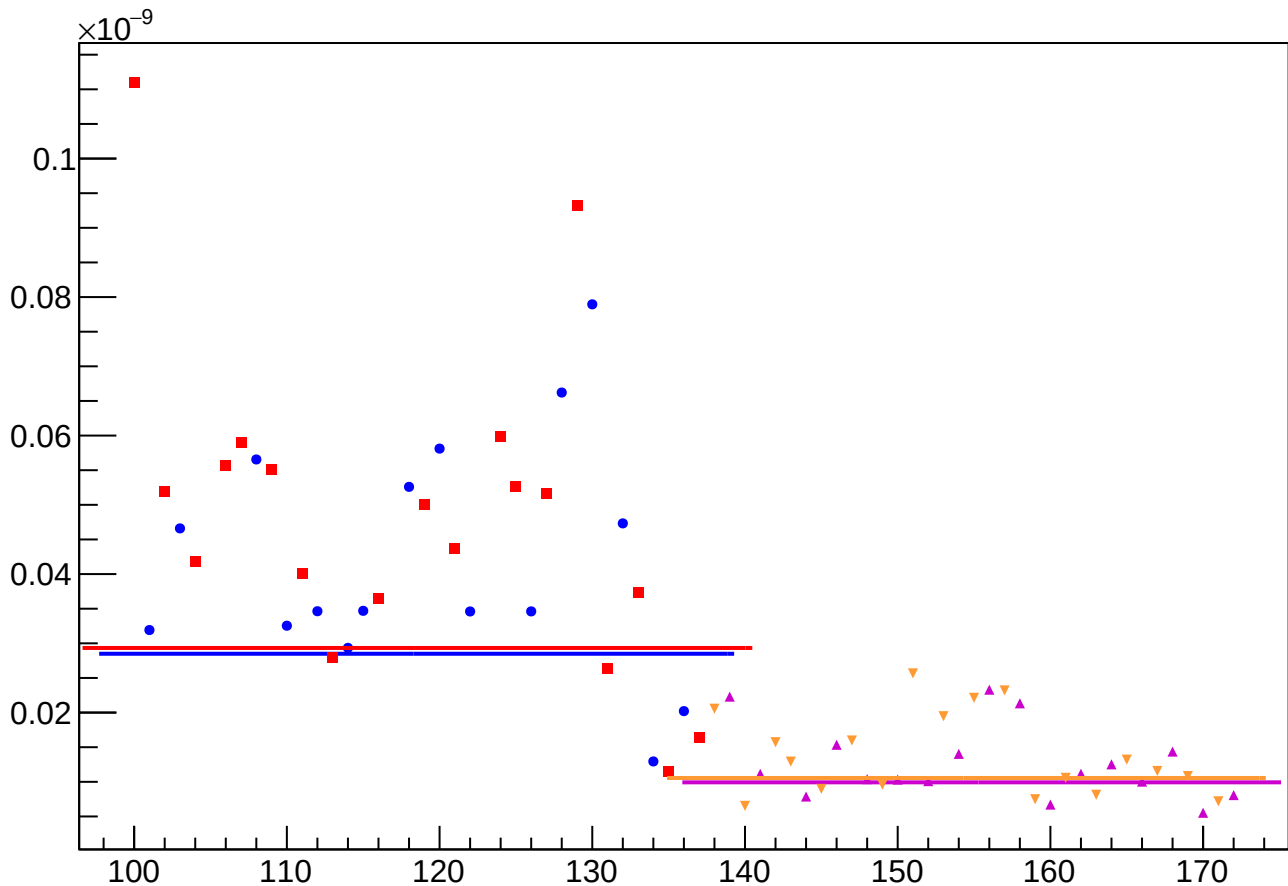
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:8.2/16

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/33

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 48.2/69

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 27.8/35

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1152293.4/15

Left Out: 0.000 ± 0.000 χ^2/NDF : 1621093.7/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 1645968.5/18

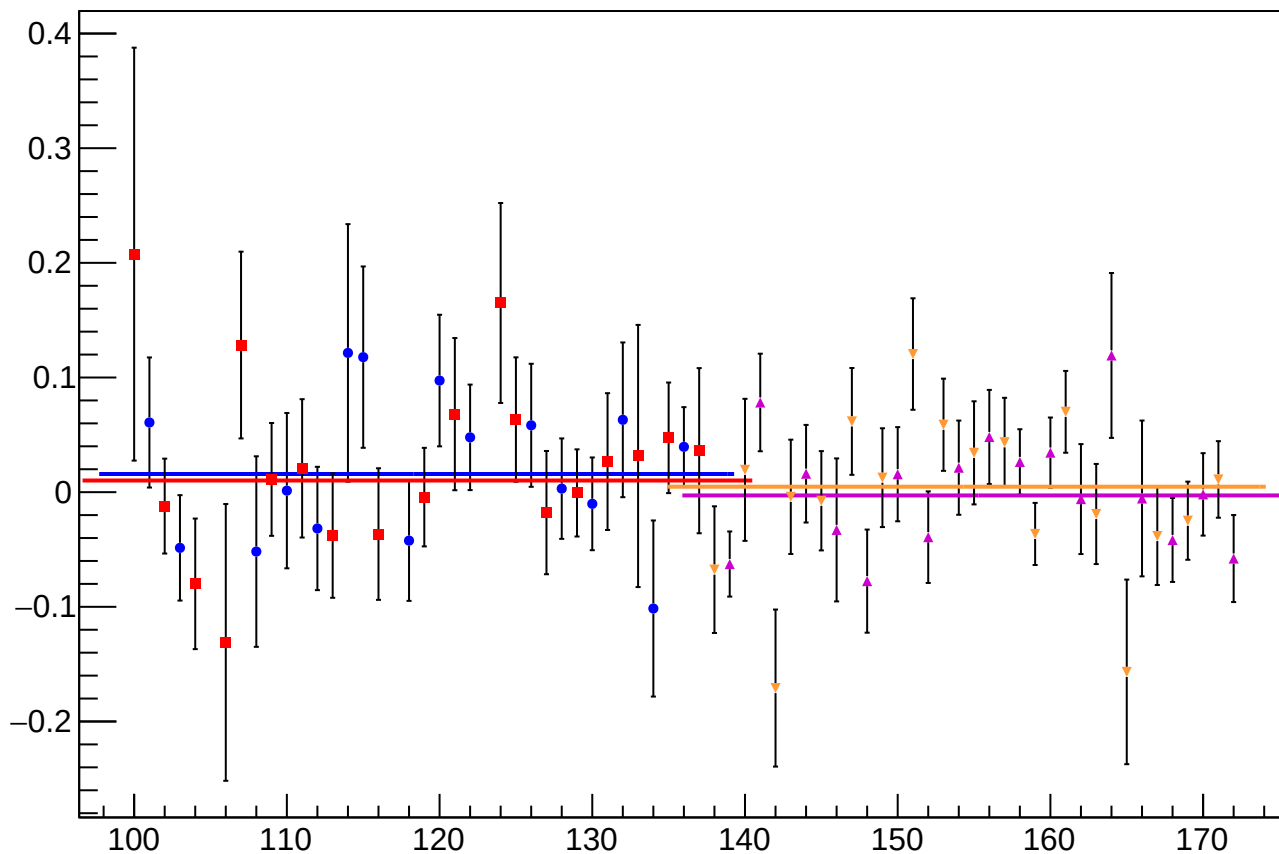
Left In: 0.000 ± 0.000 χ^2/NDF : 1422735.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 4680163.9/33

All: 0.000 ± 0.000 χ^2/NDF : 9689716.0/69

- sign 0.000 ± 0.000 χ^2/NDF : 4982067.7/35

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 $\pm$ 0.013 χ^2 /NDF: 14.8/15

Left Out: 0.005 $\pm$ 0.010 χ^2 /NDF:30.7/17

Right Out: 0.010 $\pm$ 0.013 χ^2 /NDF: 15.1/18

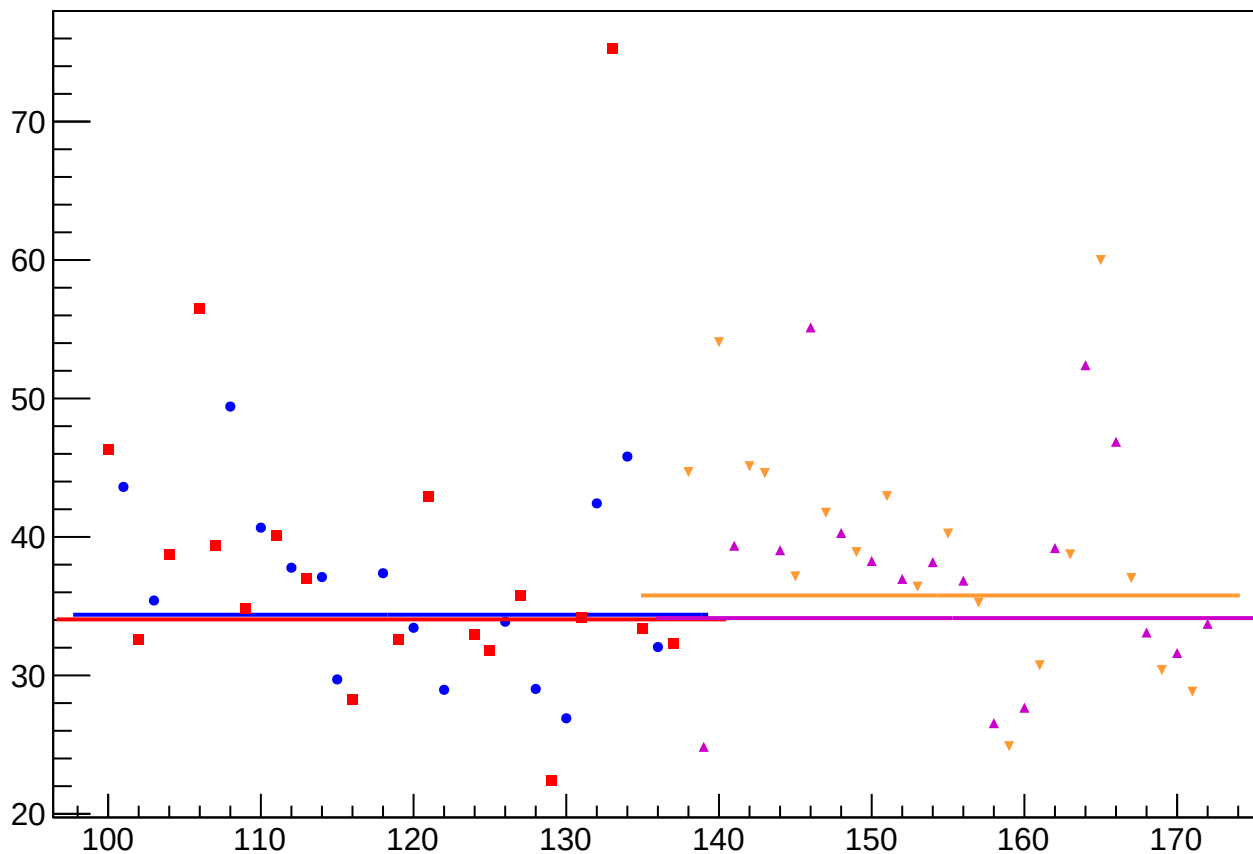
Left In: -0.003 $\pm$ 0.010 χ^2 /NDF:22.8/16

+ sign 0.009 $\pm$ 0.008 χ^2 /NDF: 45.9/33

All: 0.005 $\pm$ 0.006 χ^2 /NDF: 84.9/69

- sign 0.002 $\pm$ 0.008 χ^2 /NDF: 38.6/35

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

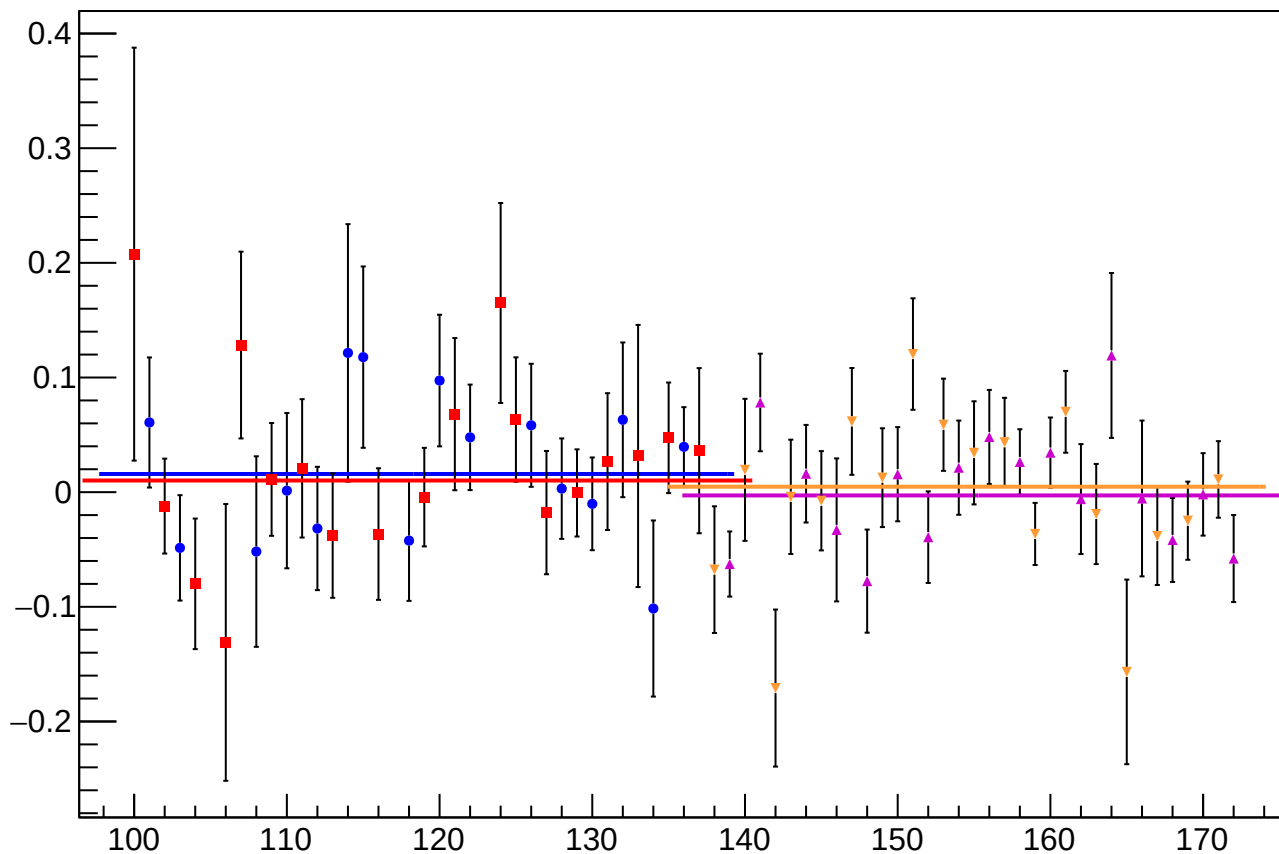
Left In: 34.139+/-0.007 χ^2/NDF : 1057445.0/16

+ sign 35.278+/-0.006 χ^2/NDF : 1509436.1/33

All: 34.676+/-0.004 χ^2/NDF : 3231717.0/69

- sign 34.107+/-0.005 χ^2/NDF : 1700205.2/35

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

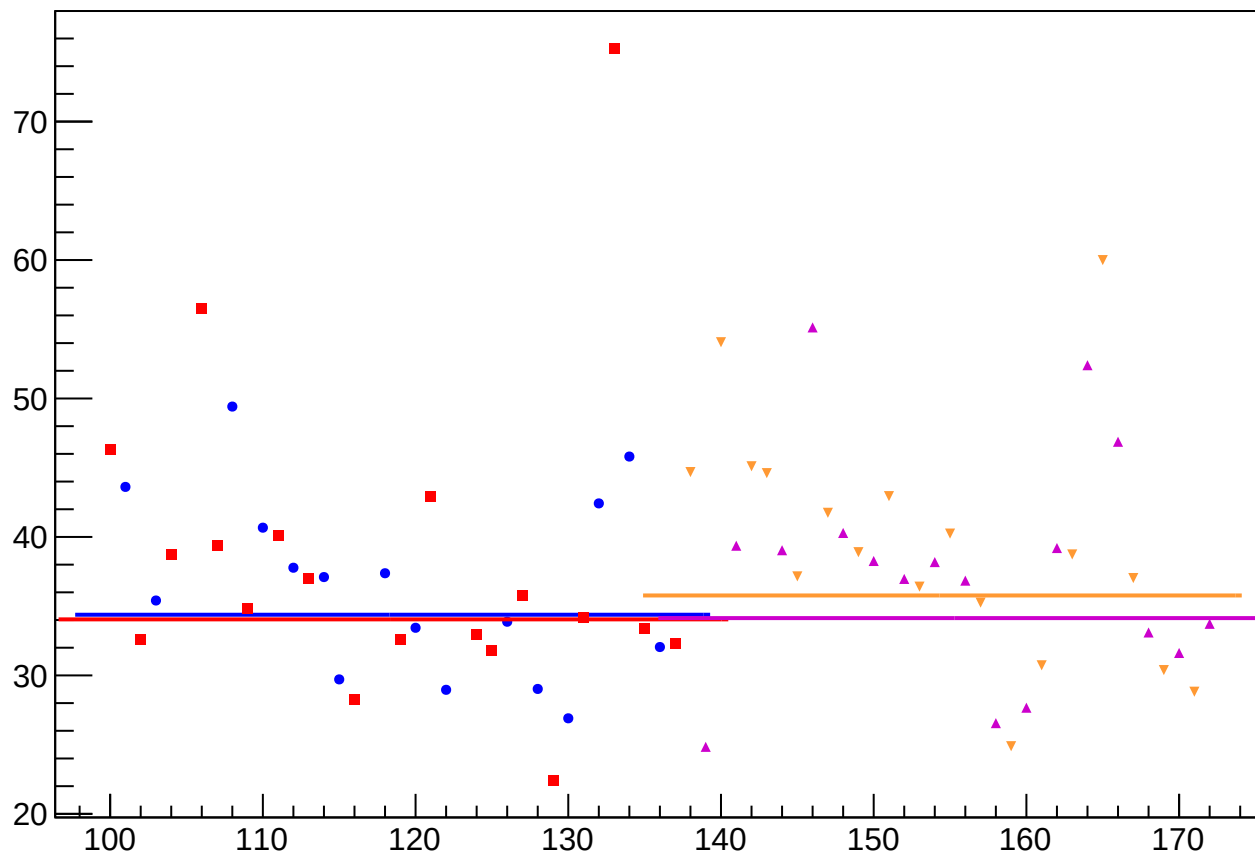
Left In: -0.003 ± 0.010 χ^2/NDF : 22.8/16

+ sign 0.009 ± 0.008 χ^2/NDF : 45.9/33

All: 0.005 ± 0.006 χ^2/NDF : 84.9/69

- sign 0.002 ± 0.008 χ^2/NDF : 38.6/35

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.382 $\pm$ 0.009 χ^2 /NDF: 367883.0/15

Left Out: 35.774 $\pm$ 0.007 χ^2 /NDF: 1127643.3/17

Right Out: 34.047 $\pm$ 0.009 χ^2 /NDF: 642697.3/18

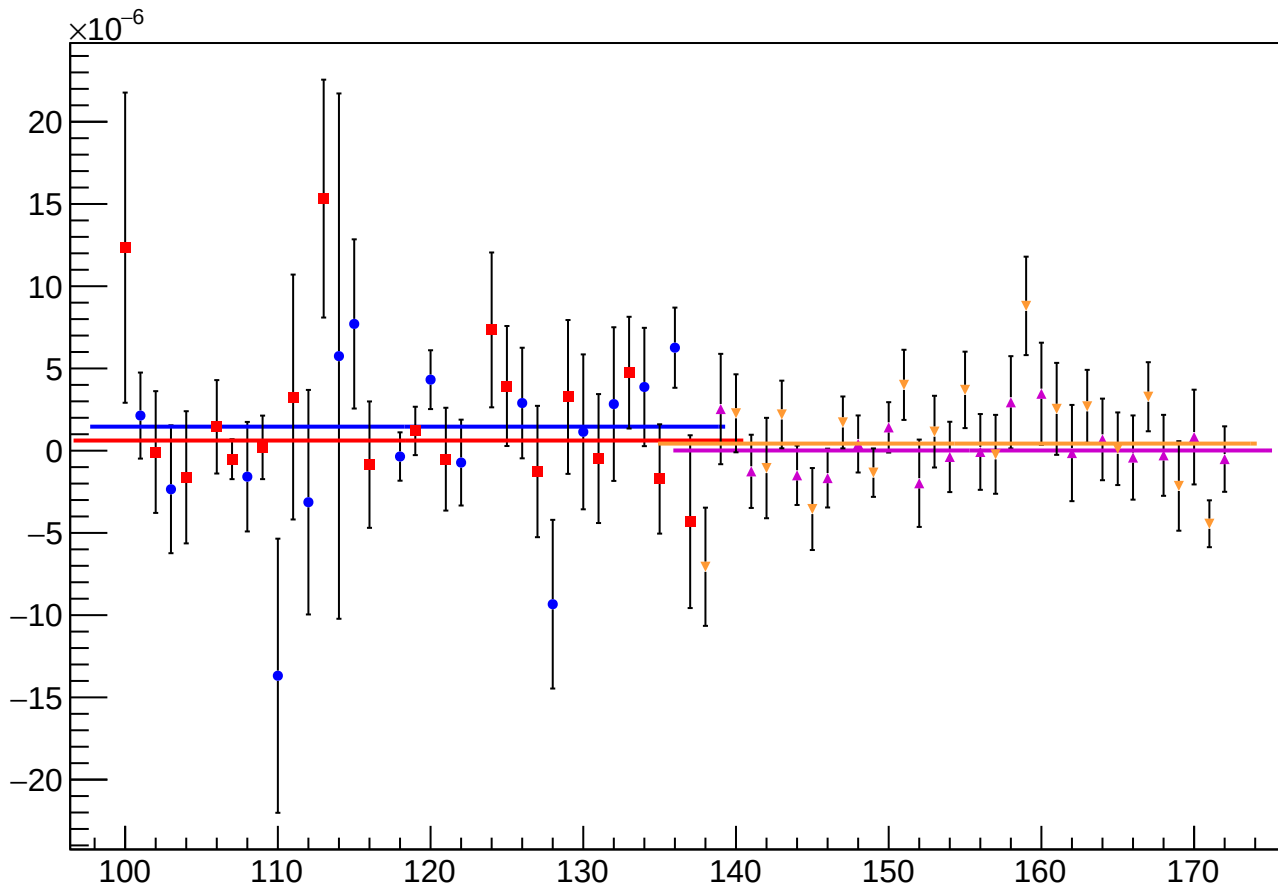
Left In: 34.139 $\pm$ 0.007 χ^2 /NDF: 1057445.0/16

+ sign 35.278 $\pm$ 0.006 χ^2 /NDF: 1509436.1/33

All: 34.676 $\pm$ 0.004 χ^2 /NDF: 3231717.0/69

- sign 34.107 $\pm$ 0.005 χ^2 /NDF: 1700205.2/35

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:39.4/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.9/18

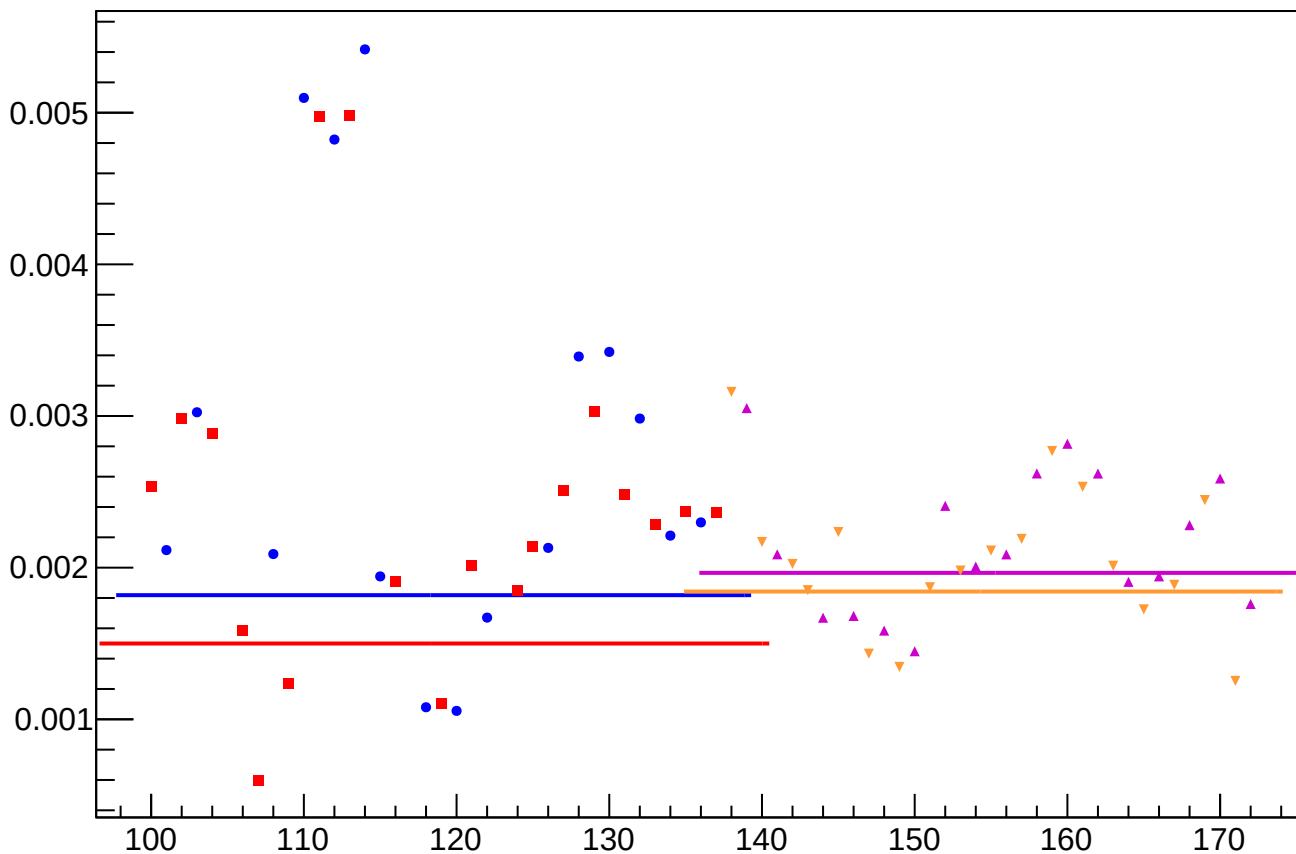
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:6.6/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.7/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.4/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/35

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2570250.6/15

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1575607.8/17

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 3689451.2/18

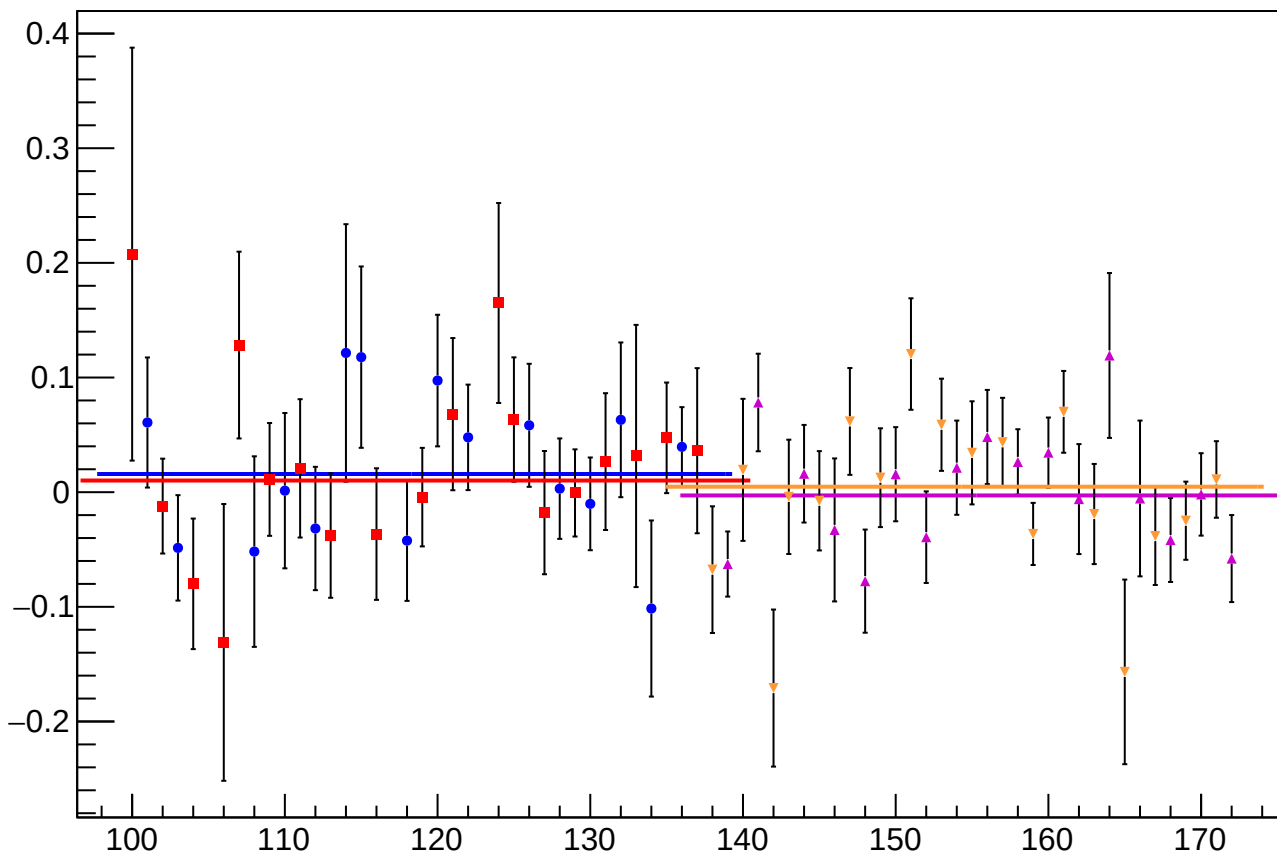
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1214337.5/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4147245.8/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9683708.8/69

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5514834.3/35

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016 ± 0.013 χ^2/NDF : 14.8/15

Left Out: 0.005 ± 0.010 χ^2/NDF : 30.7/17

Right Out: 0.010 ± 0.013 χ^2/NDF : 15.1/18

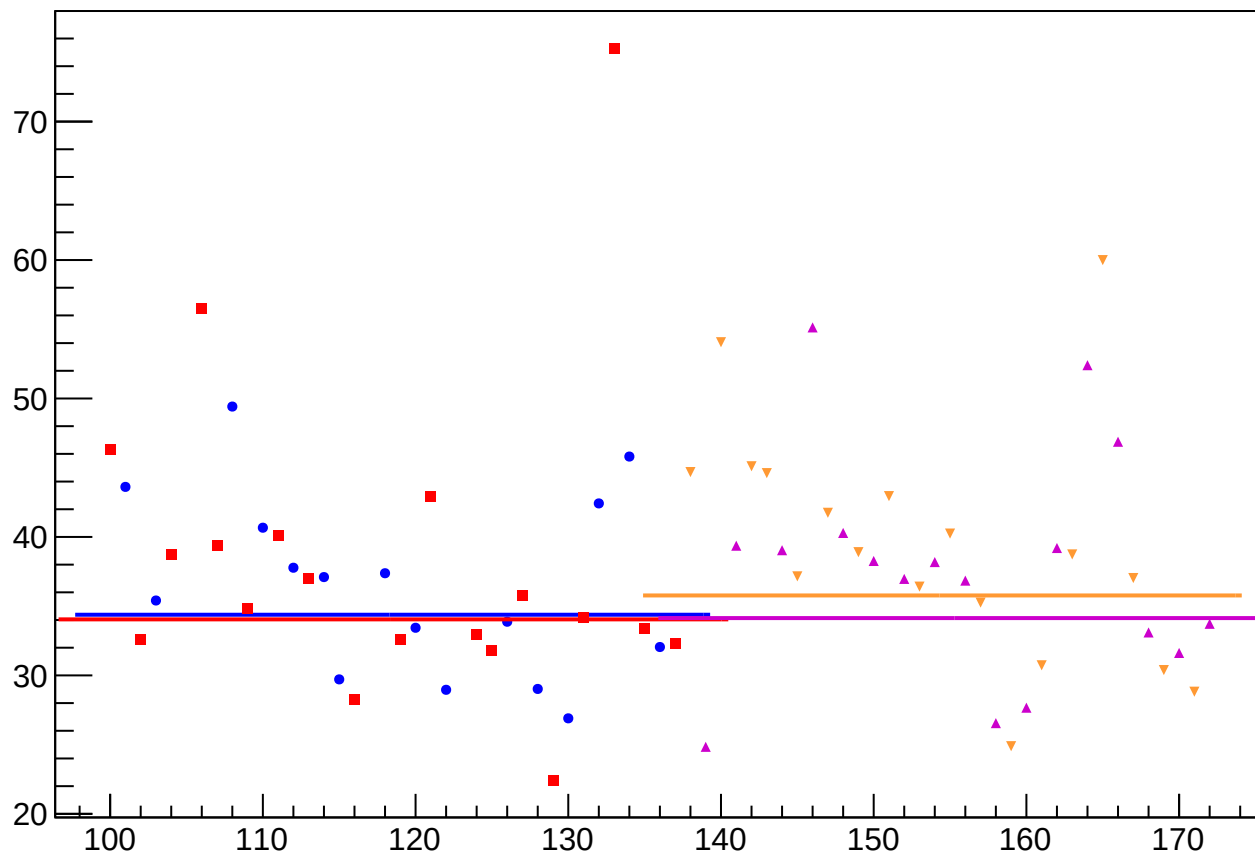
Left In: -0.003 ± 0.010 χ^2/NDF : 22.8/16

+ sign 0.009 ± 0.008 χ^2/NDF : 45.9/33

All: 0.005 ± 0.006 χ^2/NDF : 84.9/69

- sign 0.002 ± 0.008 χ^2/NDF : 38.6/35

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

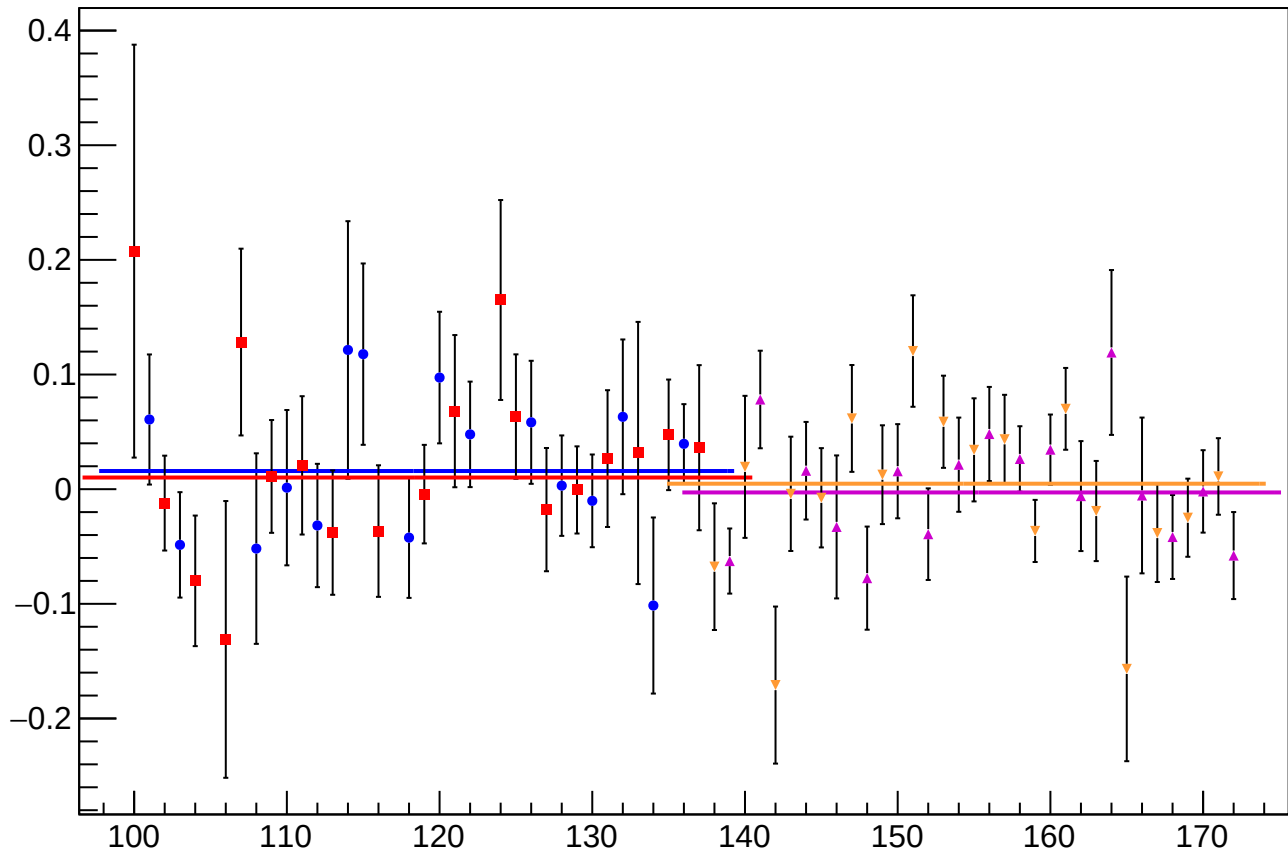
Left In: 34.139+/-0.007 χ^2/NDF : 1057515.1/16

+ sign 35.278+/-0.006 χ^2/NDF : 1509576.4/33

All: 34.676+/-0.004 χ^2/NDF : 3231967.0/69

- sign 34.107+/-0.005 χ^2/NDF : 1700320.6/35

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016 ± 0.013 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 0.005 ± 0.010 $\chi^2/\text{NDF}: 30.7/17$

Right Out: 0.010 ± 0.013 $\chi^2/\text{NDF}: 15.1/18$

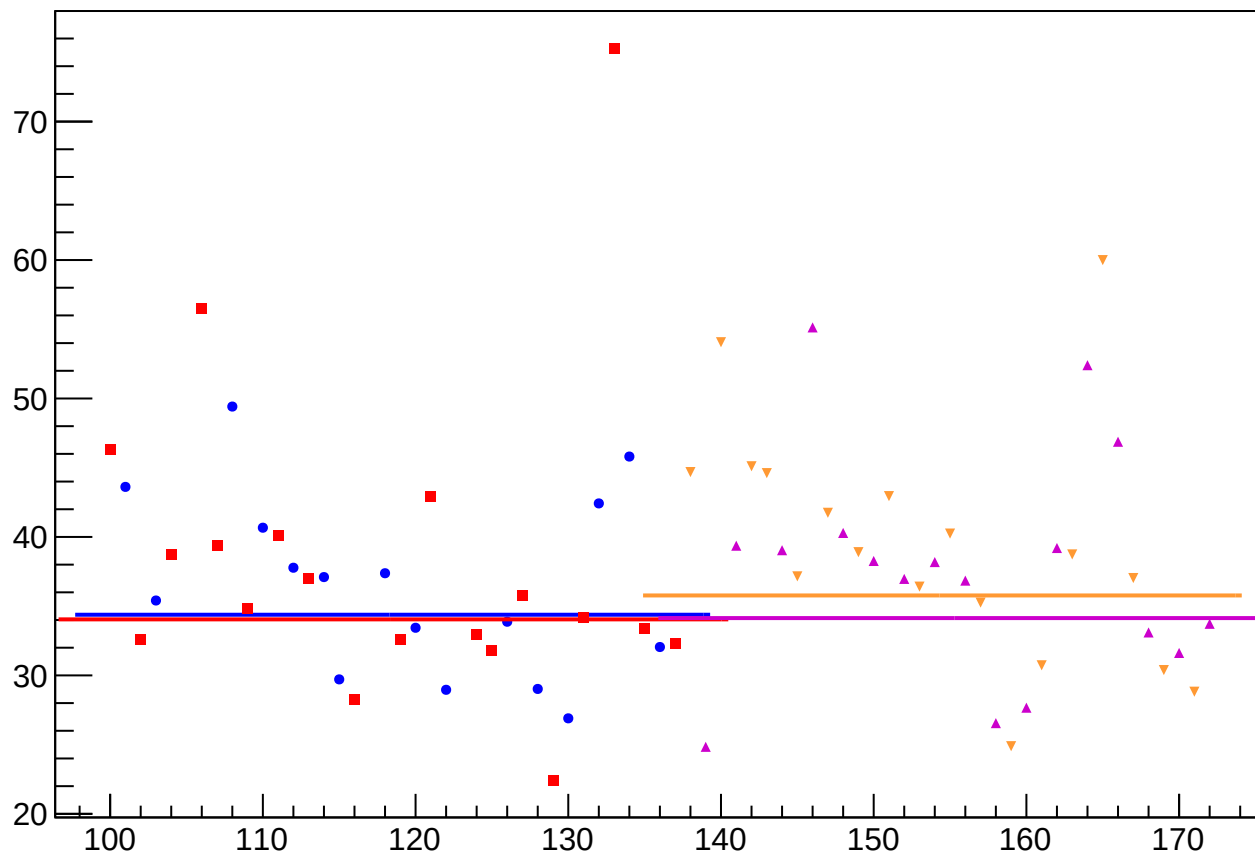
Left In: -0.003 ± 0.010 $\chi^2/\text{NDF}: 22.8/16$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 45.9/33$

All: 0.005 ± 0.006 $\chi^2/\text{NDF}: 84.9/69$

- sign 0.002 ± 0.008 $\chi^2/\text{NDF}: 38.6/35$

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

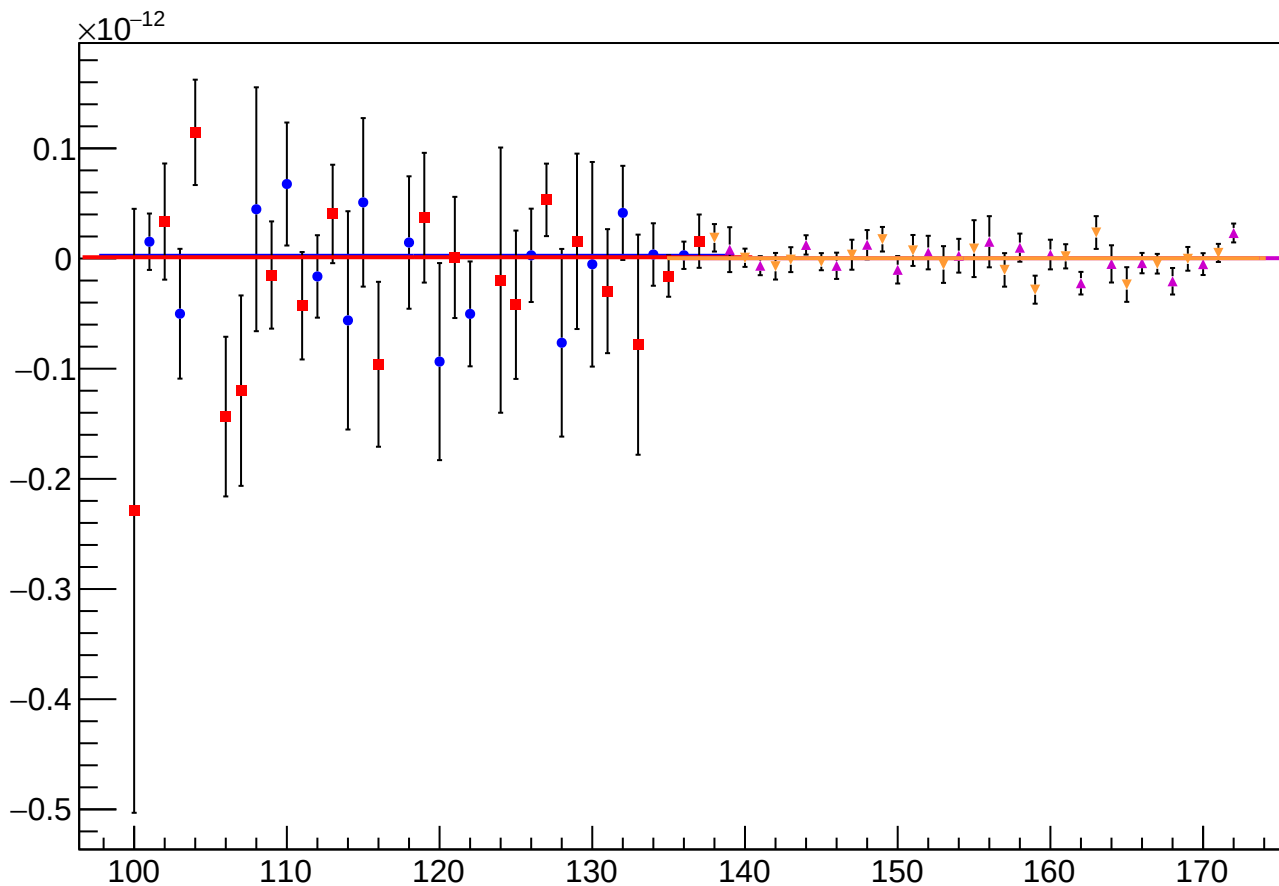
Left In: 34.139+/-0.007 χ^2/NDF : 1057515.1/16

+ sign 35.278+/-0.006 χ^2/NDF : 1509576.4/33

All: 34.676+/-0.004 χ^2/NDF : 3231967.0/69

- sign 34.107+/-0.005 χ^2/NDF : 1700320.6/35

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/17

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.5/18

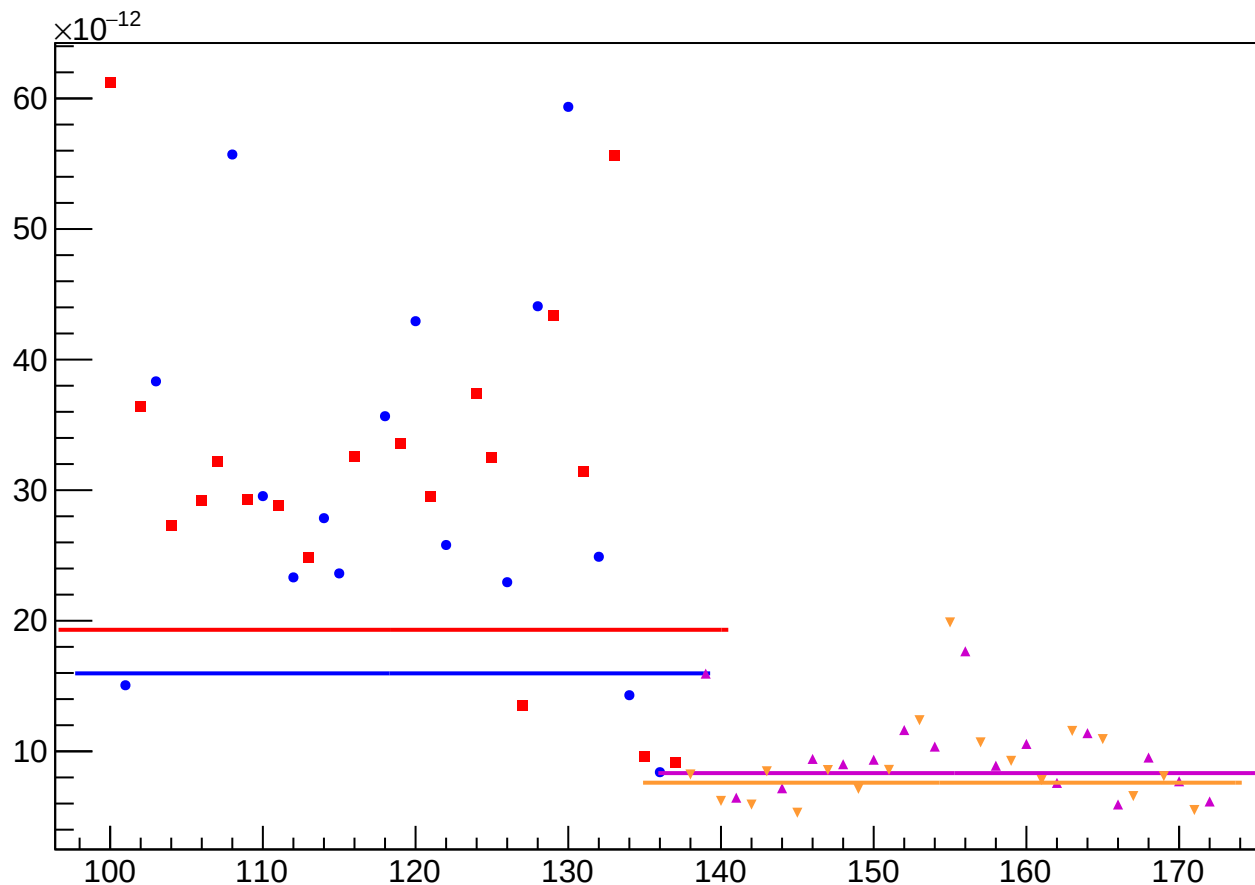
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 24.4/33

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.3/69

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.9/35

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF : 1438049.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 2440768.5/18

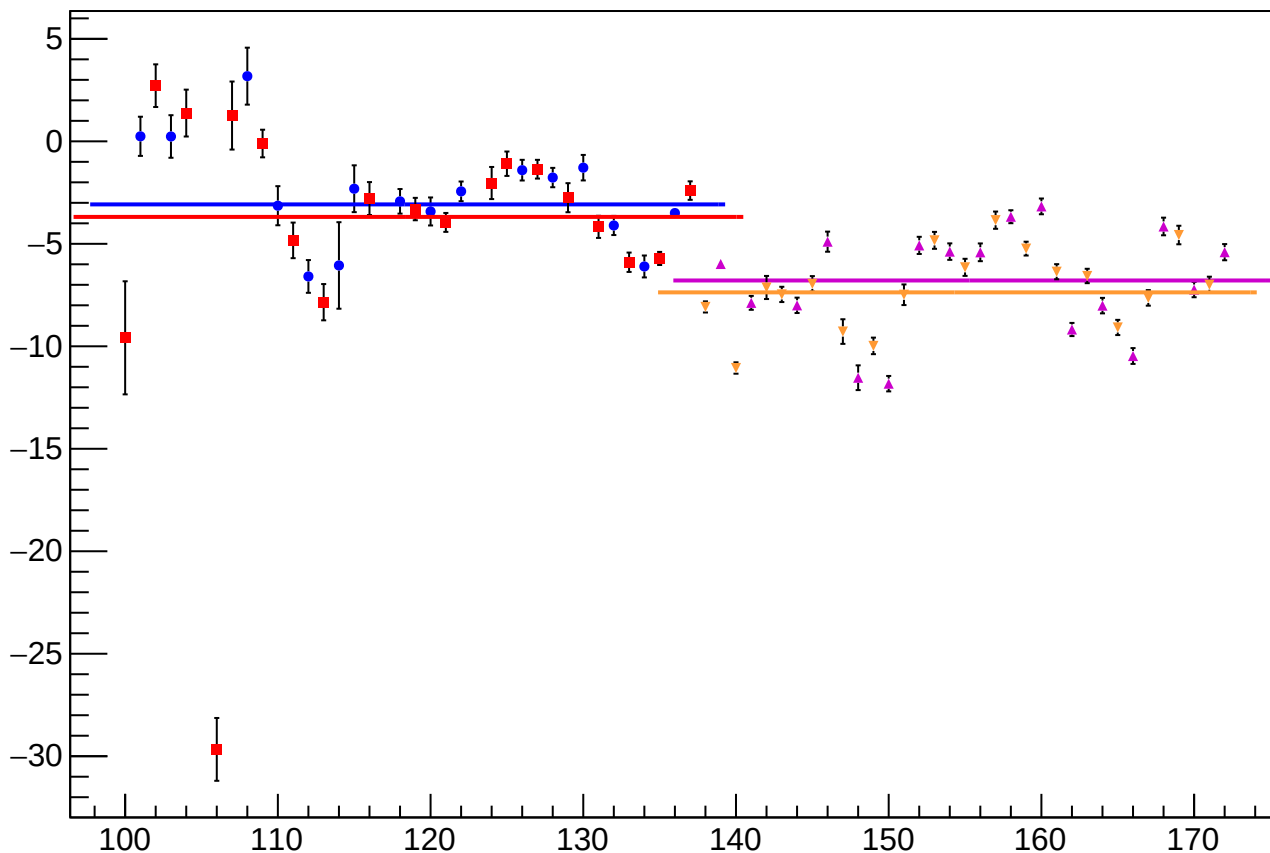
Left In: 0.000+/-0.000 χ^2/NDF : 1323338.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 5944864.7/33

All: 0.000+/-0.000 χ^2/NDF : 11948040.6/69

- sign 0.000+/-0.000 χ^2/NDF : 5913412.1/35

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.077 ± 0.135 $\chi^2/\text{NDF}: 133.8/15$

Left Out: -7.369 ± 0.090 $\chi^2/\text{NDF}: 467.2/17$

Right Out: -3.687 ± 0.140 $\chi^2/\text{NDF}: 534.8/18$

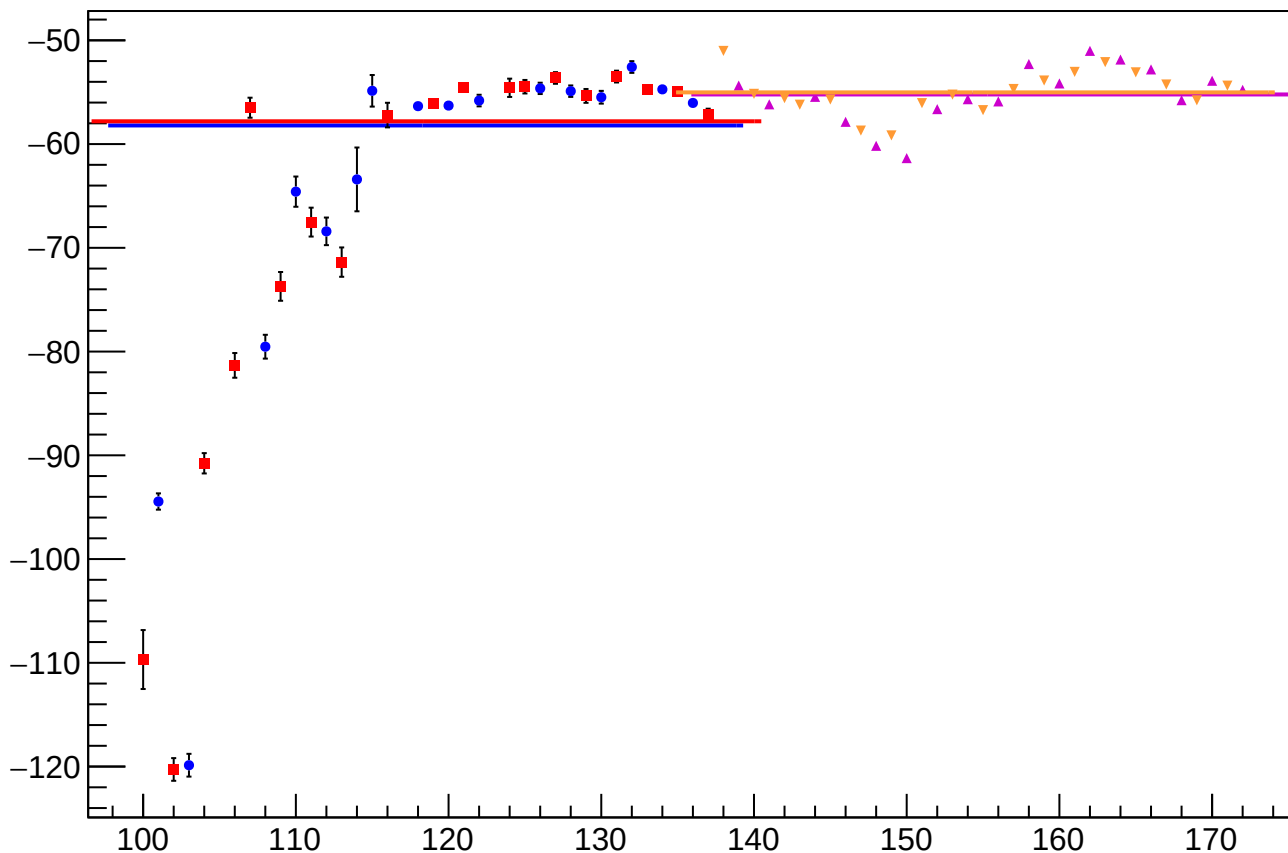
Left In: -6.788 ± 0.090 $\chi^2/\text{NDF}: 719.6/16$

+ sign -6.055 ± 0.075 $\chi^2/\text{NDF}: 1299.9/33$

All: -5.970 ± 0.053 $\chi^2/\text{NDF}: 2903.5/69$

- sign -5.883 ± 0.076 $\chi^2/\text{NDF}: 1601.0/35$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.204 ± 0.136 $\chi^2/\text{NDF}: 6126.9/15$

Left Out: -55.017 ± 0.066 $\chi^2/\text{NDF}: 944.0/17$

Right Out: -57.804 ± 0.138 $\chi^2/\text{NDF}: 5792.7/18$

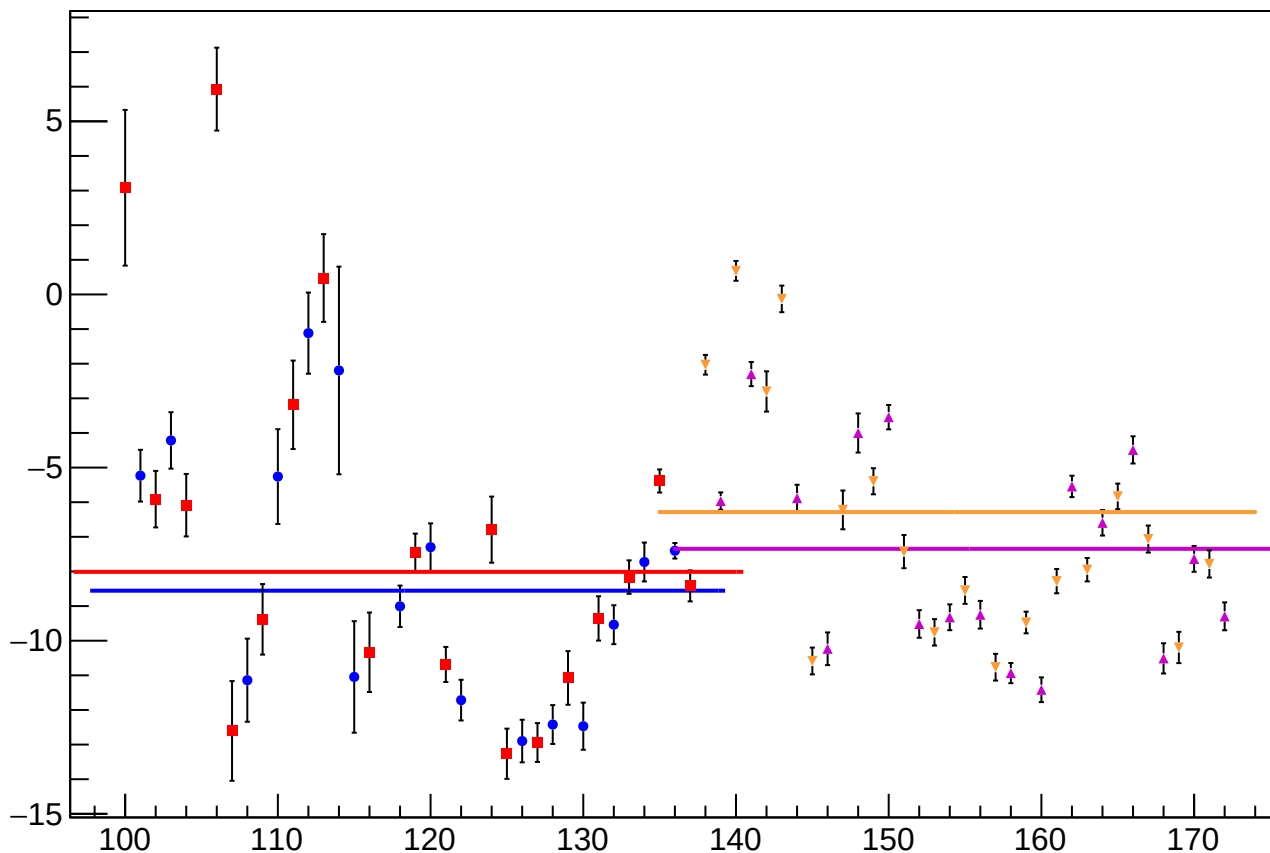
Left In: -55.218 ± 0.068 $\chi^2/\text{NDF}: 1685.2/16$

+ sign -55.629 ± 0.059 $\chi^2/\text{NDF}: 7517.5/33$

All: -55.674 ± 0.043 $\chi^2/\text{NDF}: 15277.4/69$

- sign -55.722 ± 0.061 $\chi^2/\text{NDF}: 7758.6/35$

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

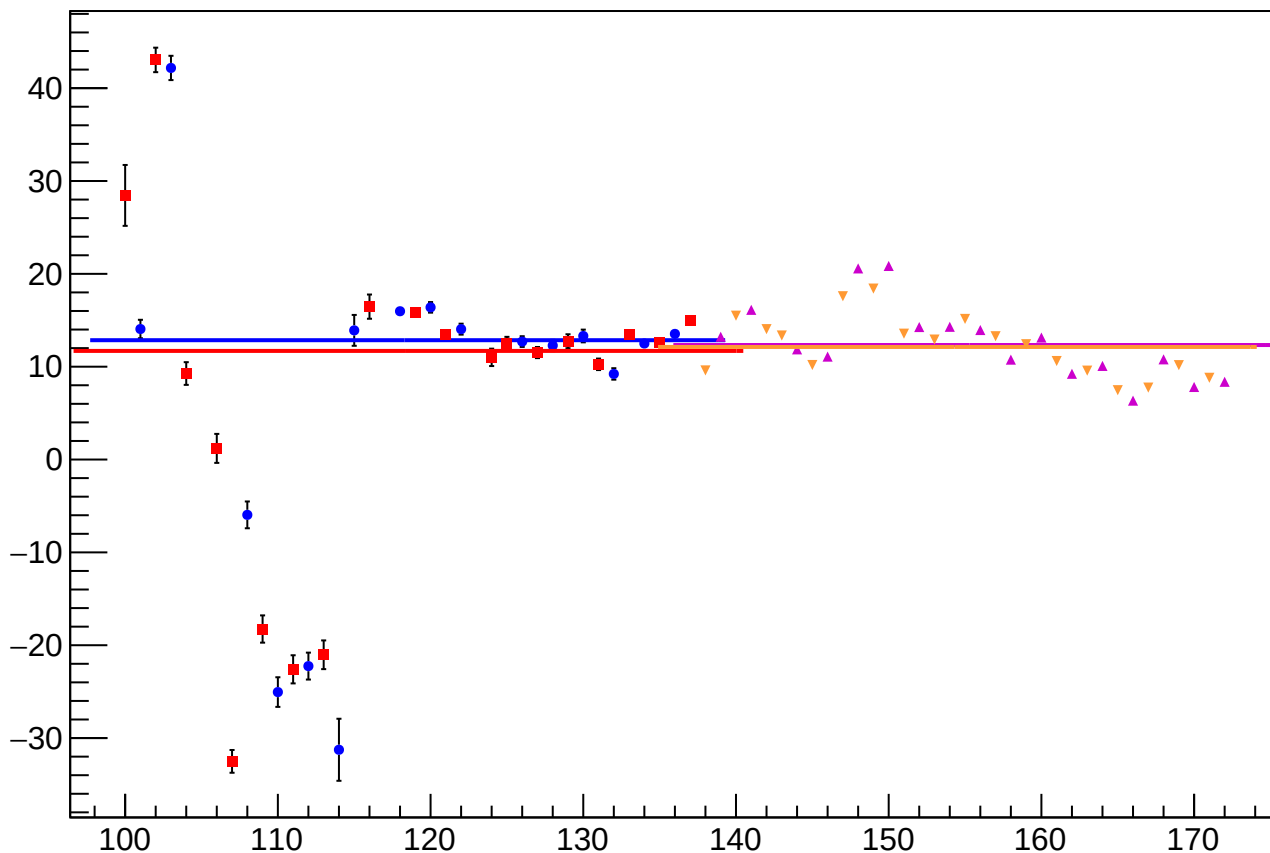
Left In: -7.347 ± 0.088 χ^2/NDF : 972.4/16

+ sign -6.900 ± 0.075 χ^2/NDF : 2235.4/33

All: -7.202 ± 0.054 χ^2/NDF : 3743.9/69

- sign -7.512 ± 0.076 χ^2/NDF : 1475.9/35

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

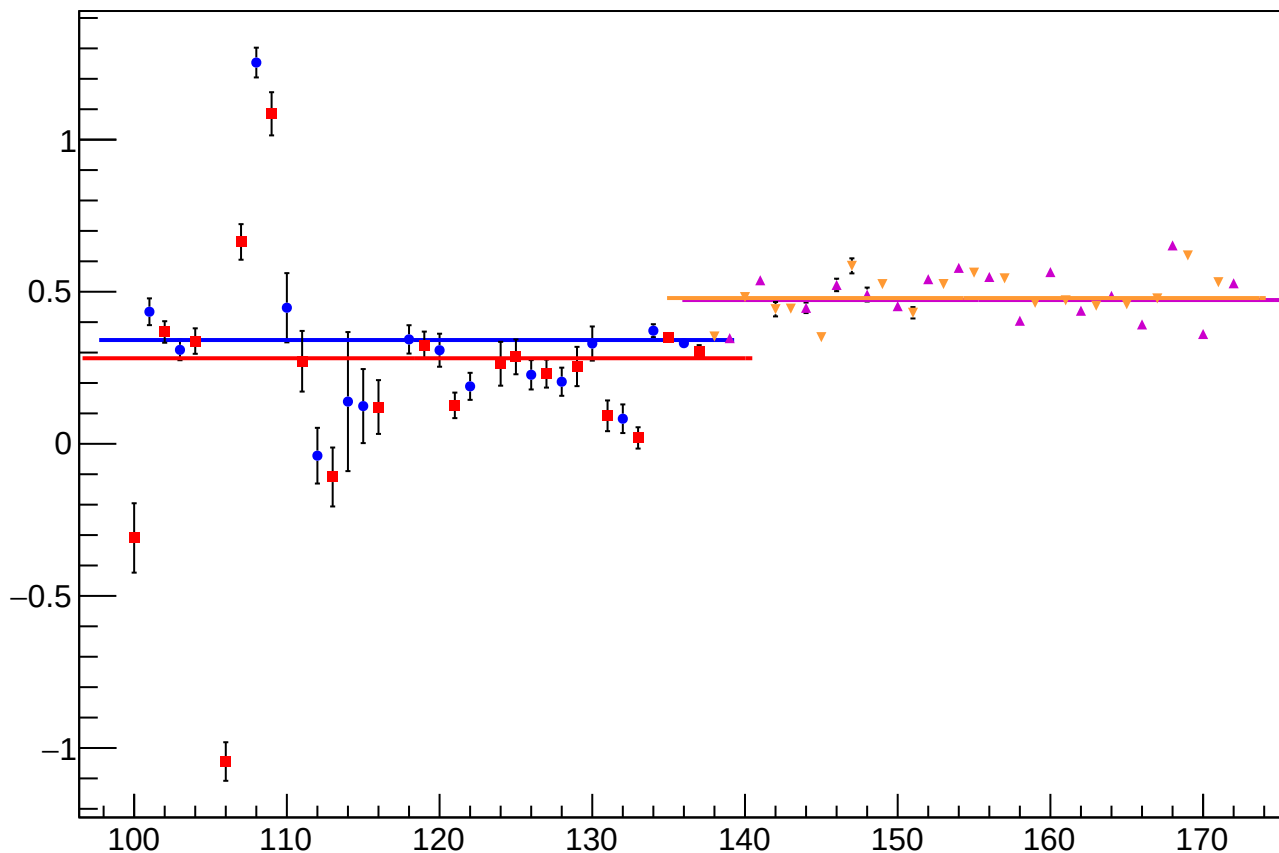
Left In: 12.333 ± 0.076 χ^2/NDF : 2476.9/16

+ sign 12.270 ± 0.067 χ^2/NDF : 3788.3/33

All: 12.241 ± 0.048 χ^2/NDF : 9777.8/69

- sign 12.210 ± 0.068 χ^2/NDF : 5989.2/35

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

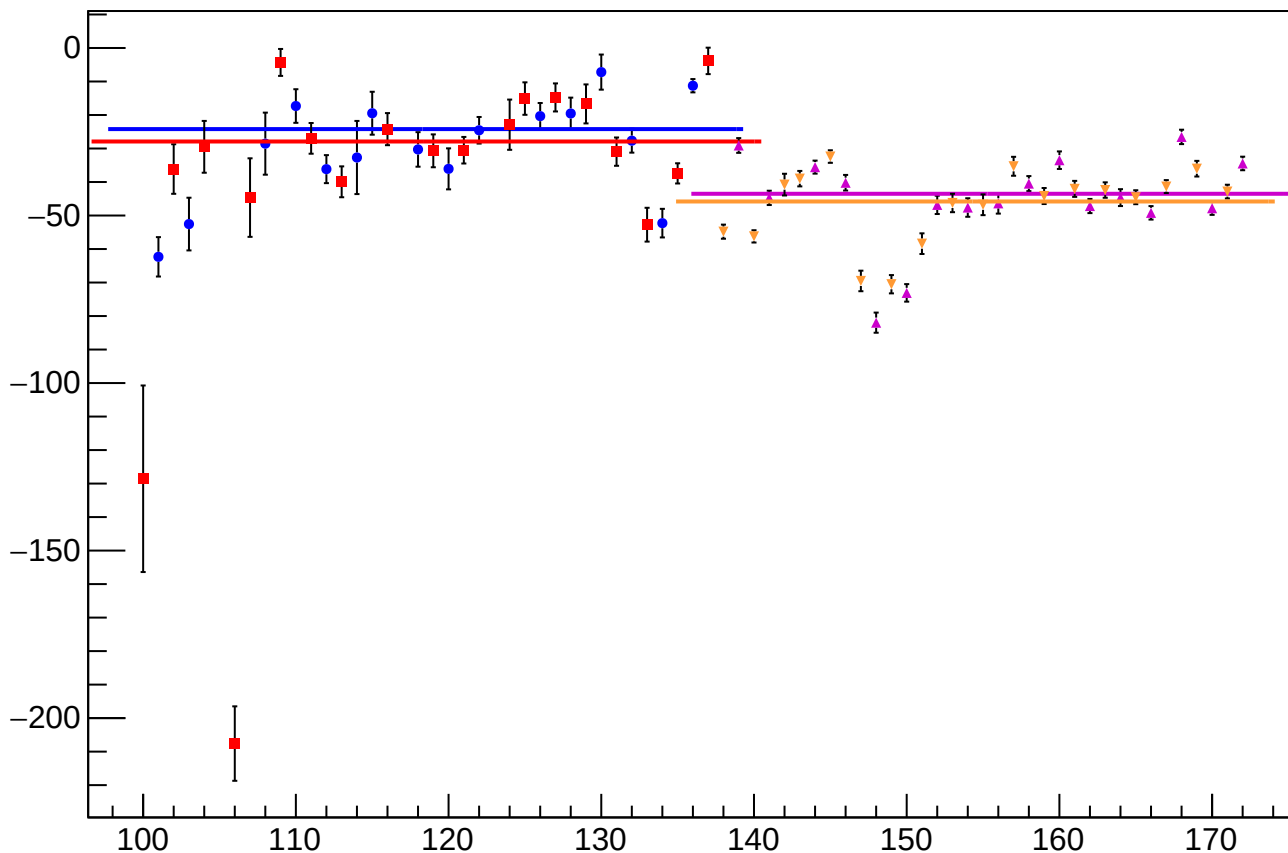
Left In: 0.473 ± 0.003 χ^2/NDF : 727.4/16

+ sign 0.459 ± 0.003 χ^2/NDF : 1123.7/33

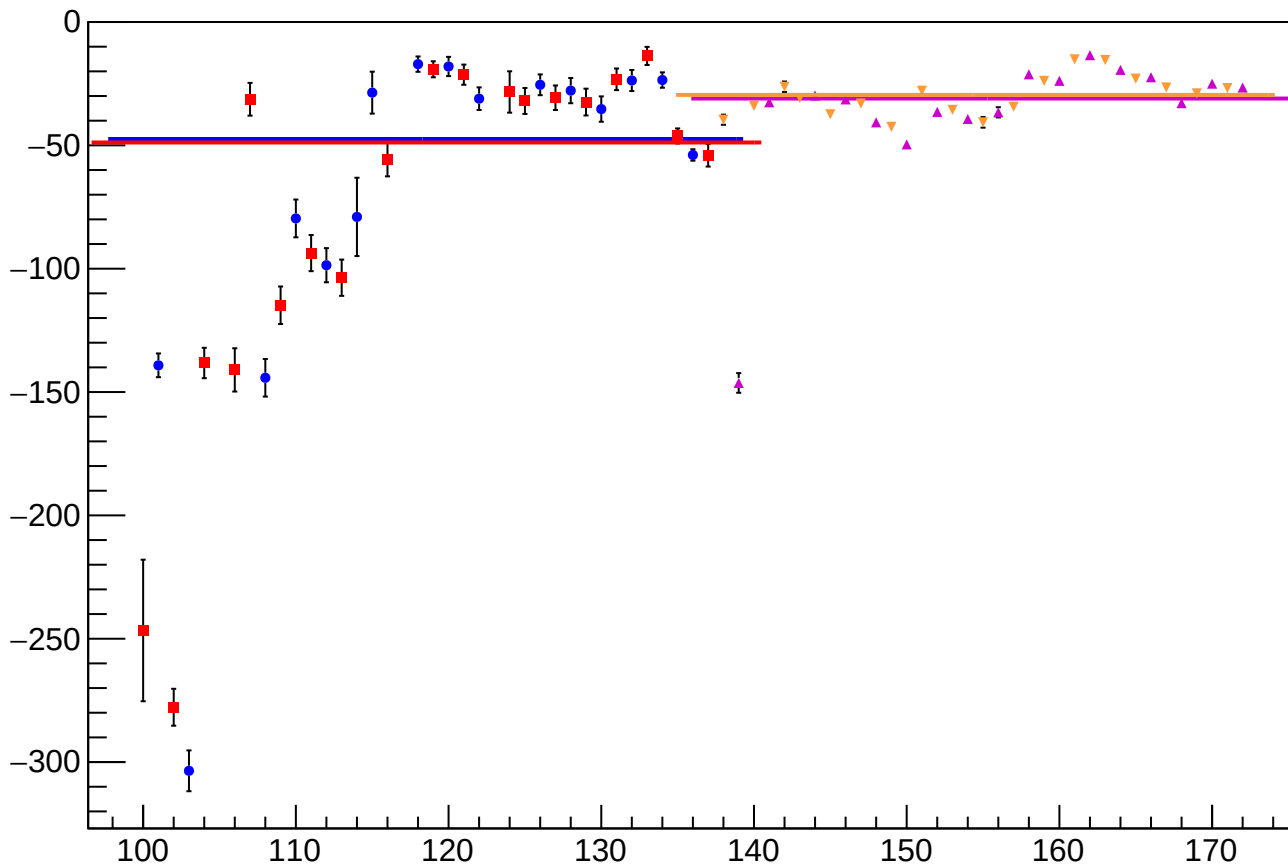
All: 0.454 ± 0.002 χ^2/NDF : 3080.2/69

- sign 0.448 ± 0.003 χ^2/NDF : 1950.7/35

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

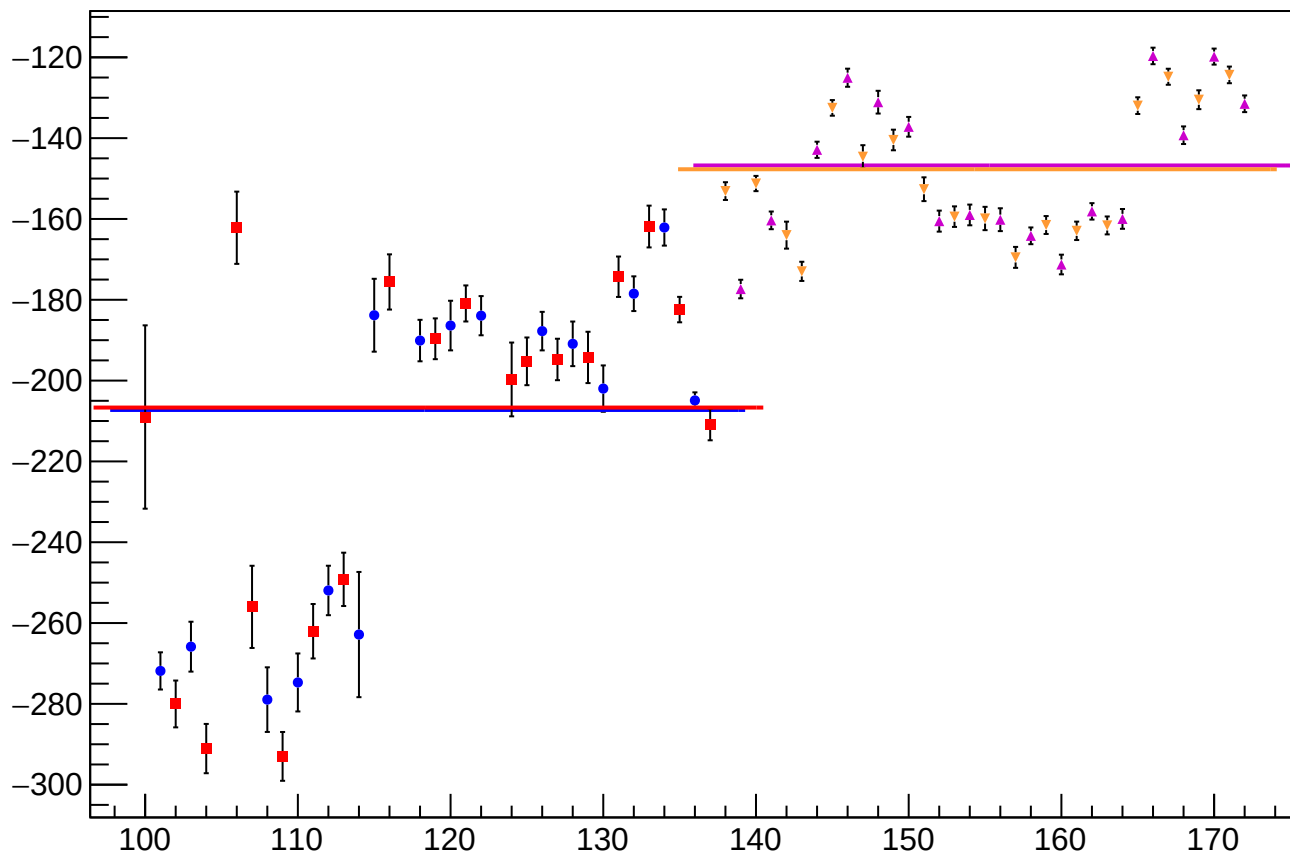
Left In: -31.021 ± 0.403 χ^2/NDF : 1298.4/16

+ sign -31.588 ± 0.373 χ^2/NDF : 2466.3/33

All: -32.217 ± 0.267 χ^2/NDF : 5748.4/69

- sign -32.878 ± 0.382 χ^2/NDF : 3276.2/35

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

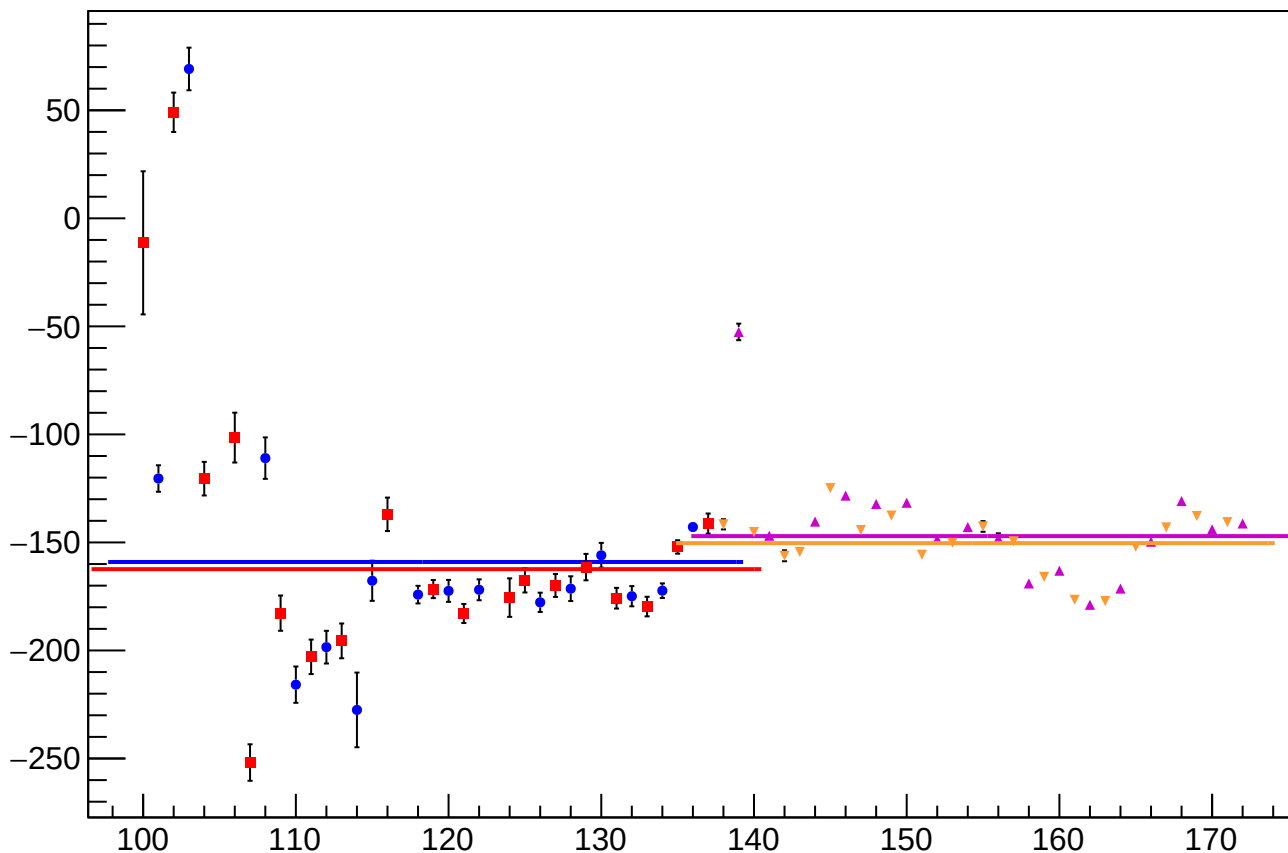
Left In: -146.762 ± 0.549 χ^2/NDF : 1092.3/16

+ sign -158.250 ± 0.496 χ^2/NDF : 3678.9/33

All: -157.187 ± 0.354 χ^2/NDF : 7601.4/69

- sign -156.086 ± 0.505 χ^2/NDF : 3913.1/35

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

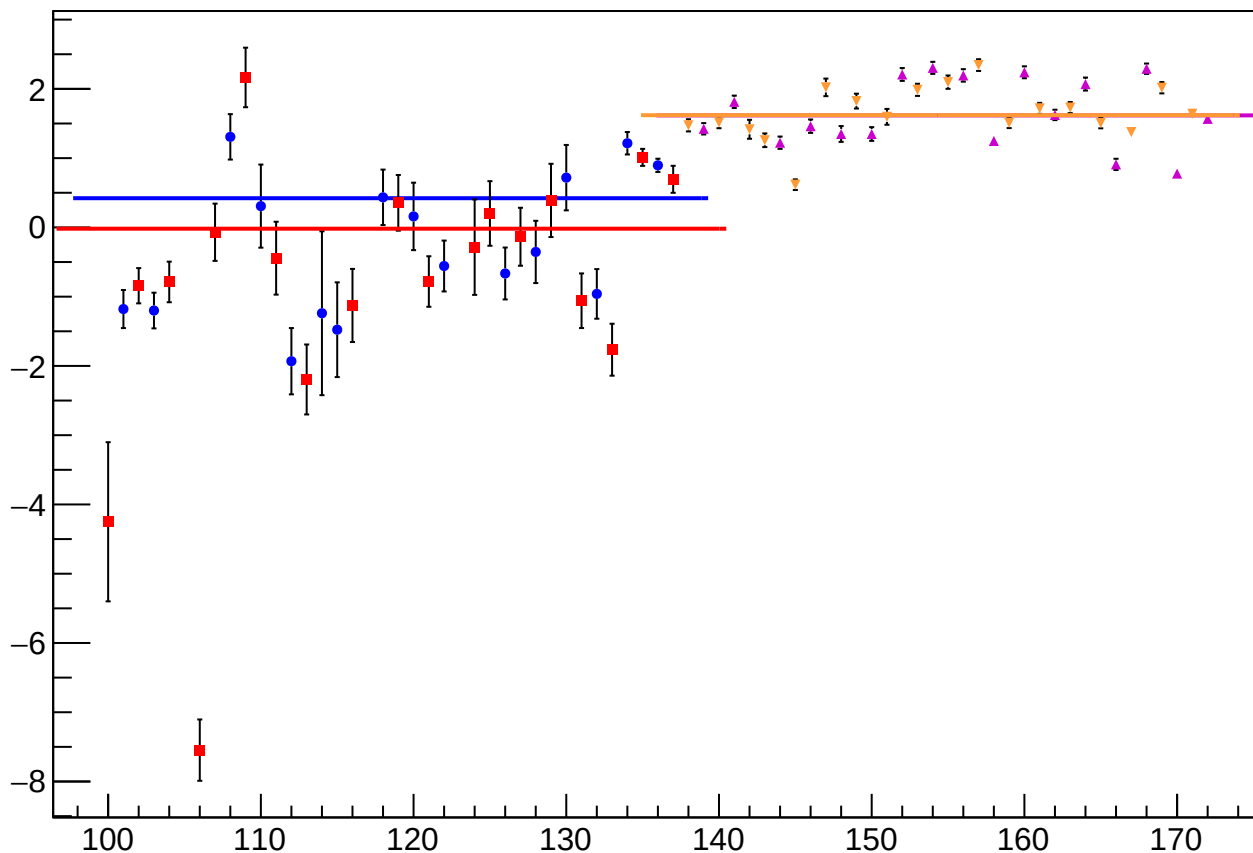
Left In: -147.075 ± 0.459 χ^2/NDF : 1701.9/16

+ sign -151.375 ± 0.425 χ^2/NDF : 1829.8/33

All: -150.072 ± 0.303 χ^2/NDF : 4542.6/69

- sign -148.714 ± 0.433 χ^2/NDF : 2693.6/35

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.421 ± 0.065 $\chi^2/\text{NDF}: 197.6/15$

Left Out: 1.620 ± 0.020 $\chi^2/\text{NDF}: 362.1/17$

Right Out: -0.019 ± 0.072 $\chi^2/\text{NDF}: 488.2/18$

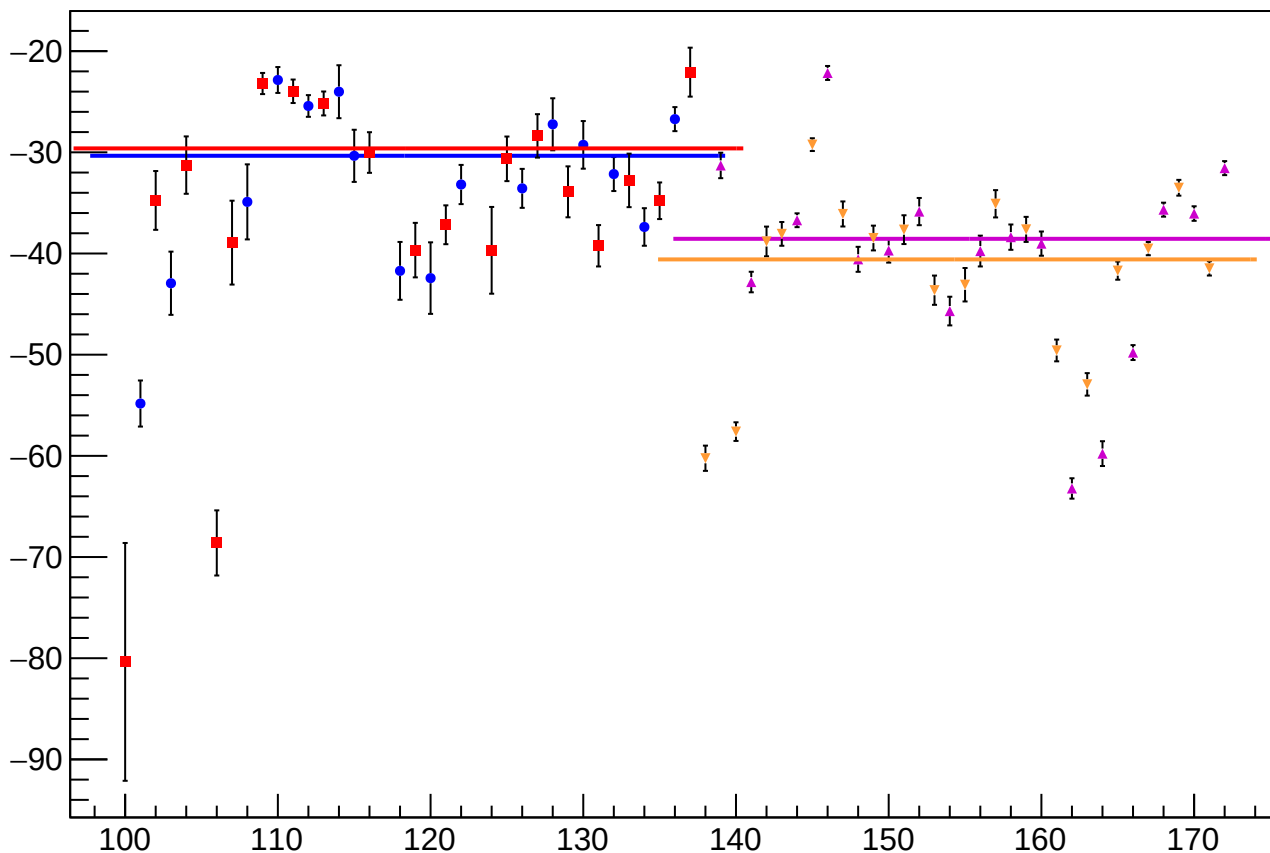
Left In: 1.617 ± 0.020 $\chi^2/\text{NDF}: 597.9/16$

+ sign 1.512 ± 0.019 $\chi^2/\text{NDF}: 870.9/33$

All: 1.505 ± 0.014 $\chi^2/\text{NDF}: 2431.5/69$

- sign 1.497 ± 0.020 $\chi^2/\text{NDF}: 1560.4/35$

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

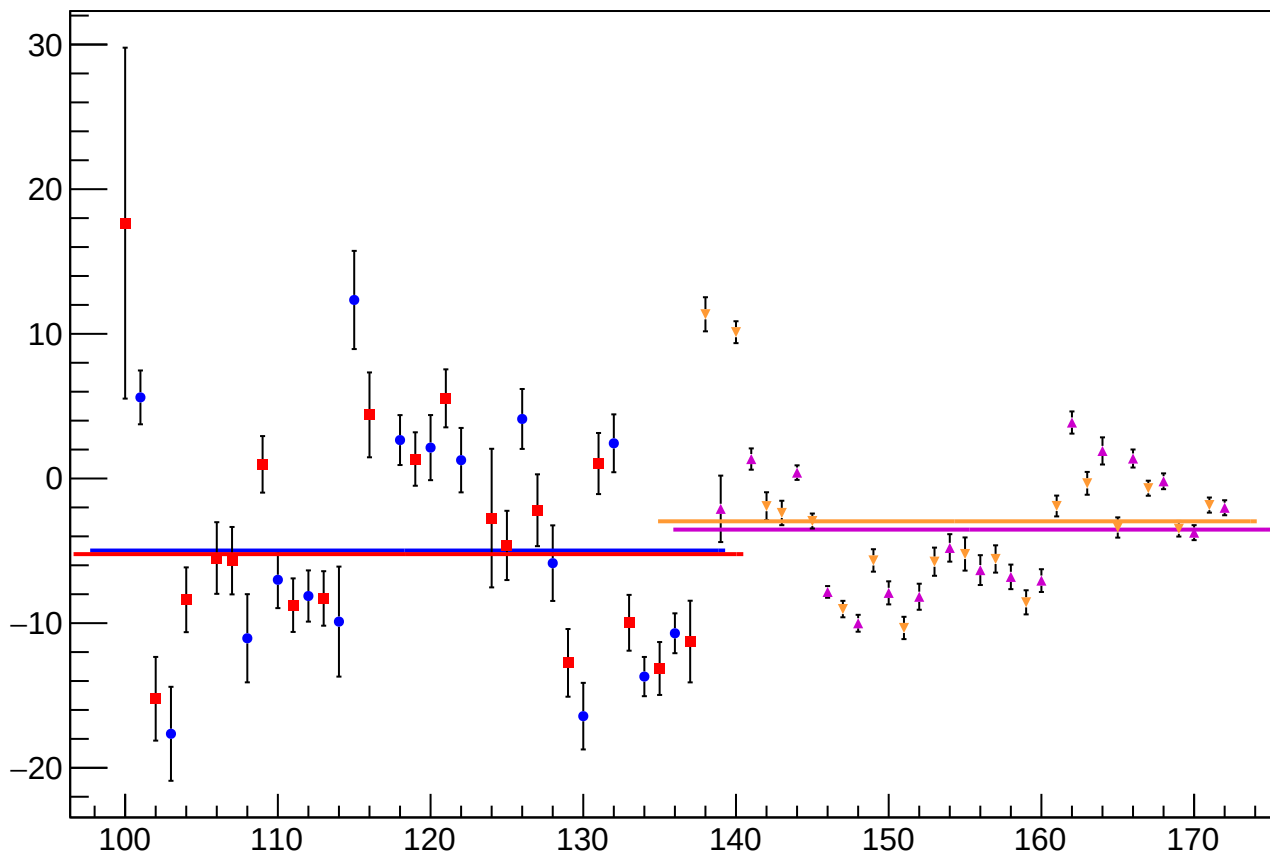
Left In: -38.549 ± 0.226 χ^2/NDF : 1917.4/16

+ sign -38.534 ± 0.209 χ^2/NDF : 1886.4/33

All: -37.612 ± 0.145 χ^2/NDF : 4484.9/69

- sign -36.754 ± 0.202 χ^2/NDF : 2561.1/35

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.980 $\pm$ 0.510 χ^2/NDF : 237.3/15

Left Out: -2.960 $\pm$ 0.167 χ^2/NDF : 768.4/17

Right Out: -5.228 $\pm$ 0.524 χ^2/NDF : 136.5/18

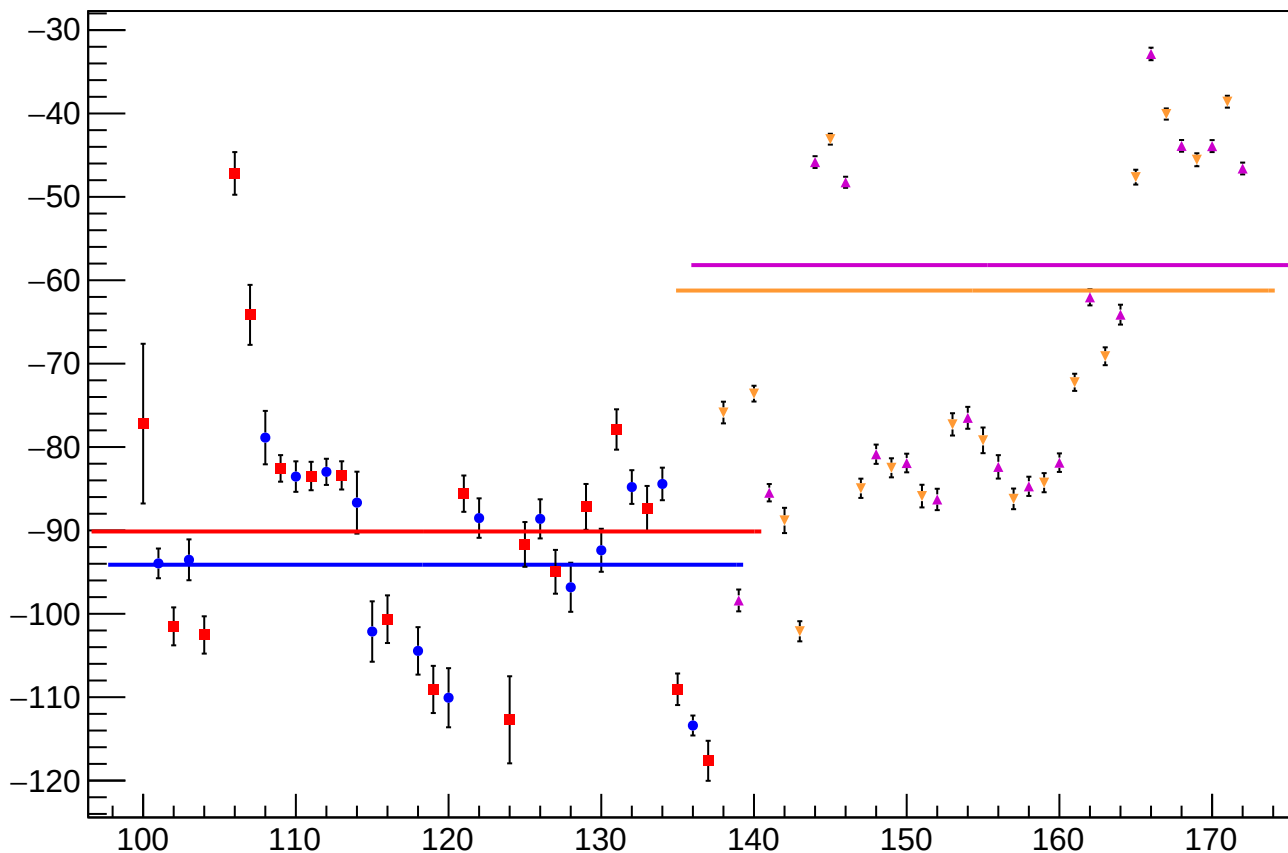
Left In: -3.533 $\pm$ 0.160 χ^2/NDF : 677.8/16

+ sign -3.155 $\pm$ 0.159 χ^2/NDF : 1019.9/33

All: -3.426 $\pm$ 0.110 χ^2/NDF : 1849.4/69

- sign -3.678 $\pm$ 0.153 χ^2/NDF : 823.9/35

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

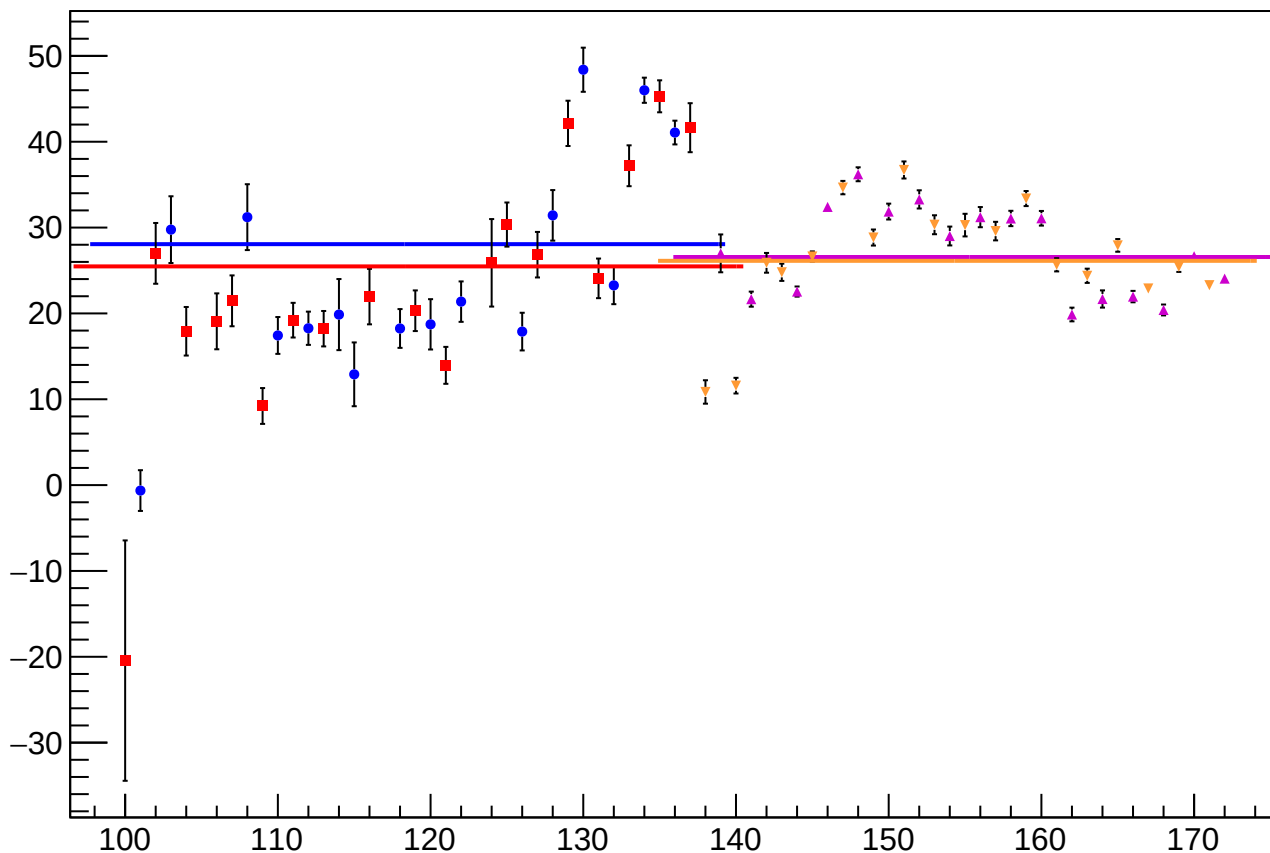
Left In: -58.183 ± 0.223 χ^2/NDF : 7205.3/16

+ sign -66.409 ± 0.213 χ^2/NDF : 11180.8/33

All: -64.547 ± 0.148 χ^2/NDF : 22284.9/69

- sign -62.799 ± 0.206 χ^2/NDF : 10956.0/35

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

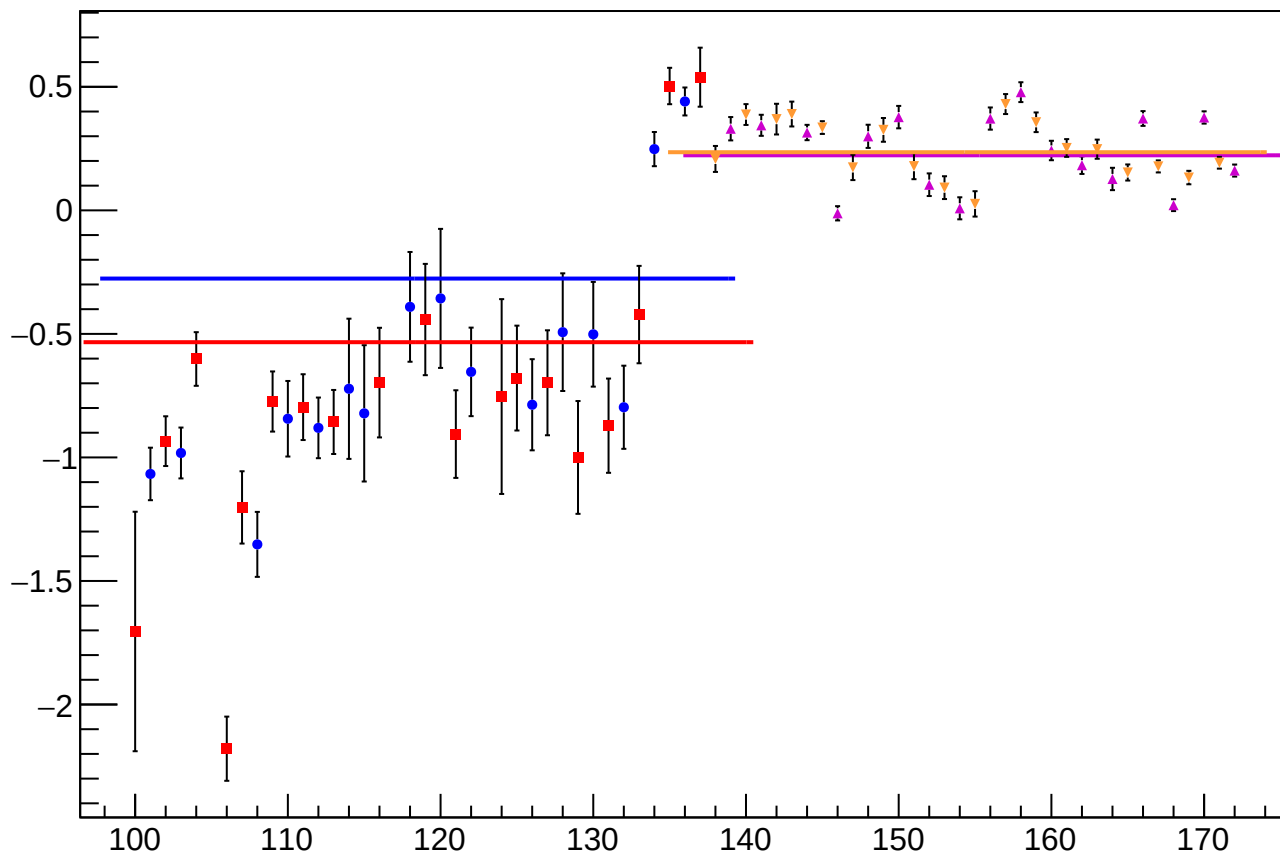
Left In: 26.572+/-0.184 χ^2 /NDF: 752.2/16

+ sign 26.323+/-0.181 χ^2 /NDF: 1388.0/33

All: 26.401+/-0.126 χ^2 /NDF: 2498.4/69

- sign 26.475+/-0.176 χ^2 /NDF: 1110.0/35

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

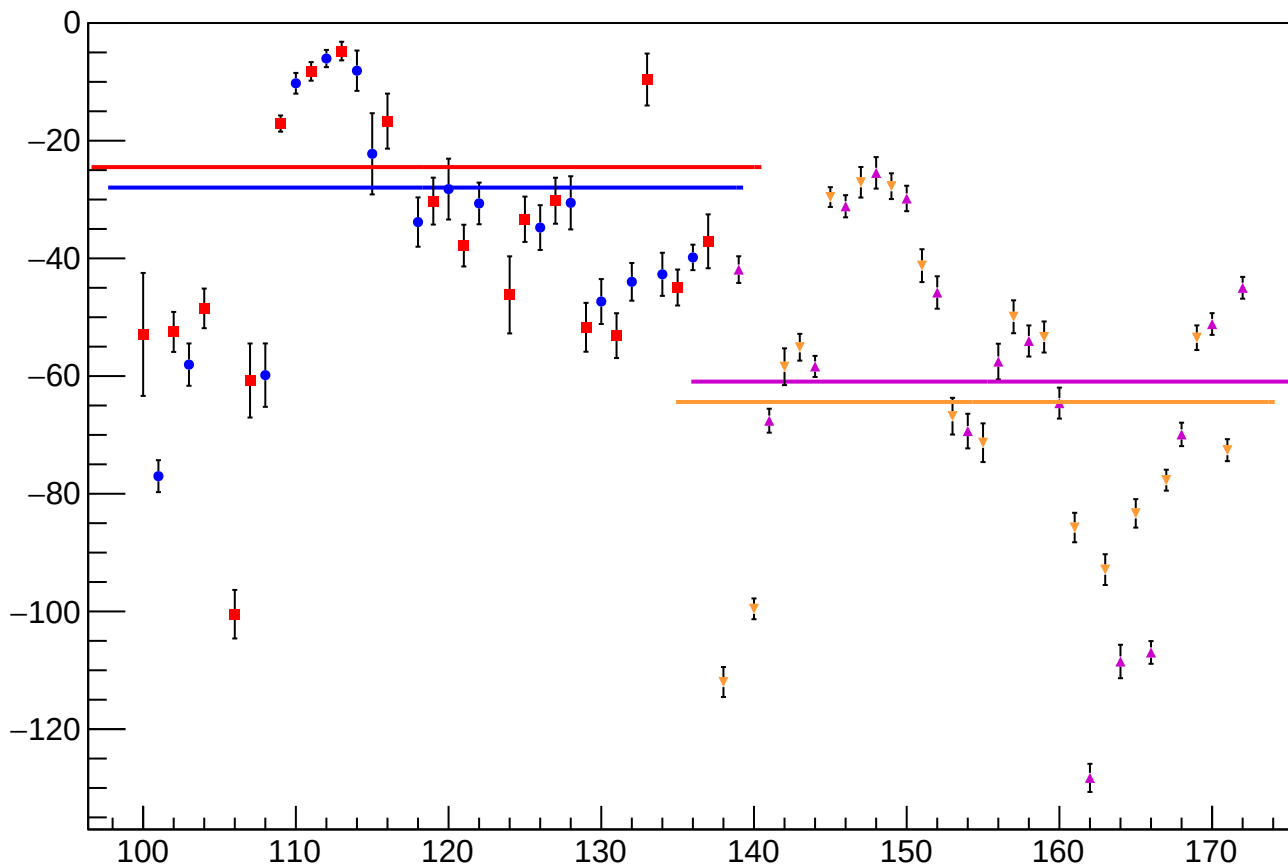
Left In: 0.223 ± 0.008 χ^2/NDF : 329.5/16

+ sign 0.198 ± 0.008 χ^2/NDF : 850.7/33

All: 0.187 ± 0.006 χ^2/NDF : 2192.0/69

- sign 0.177 ± 0.008 χ^2/NDF : 1337.9/35

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

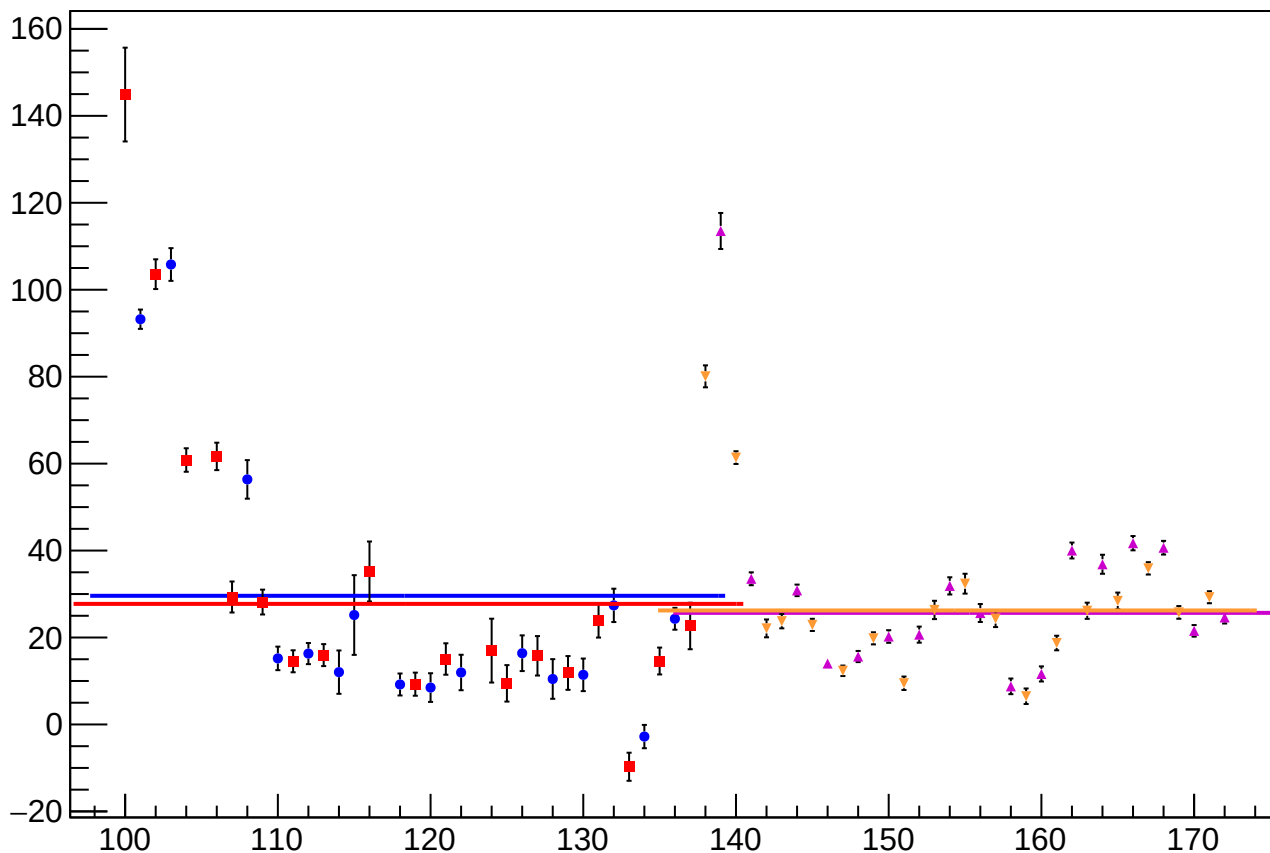
Left In: -60.942 ± 0.540 χ^2/NDF : 2530.5/16

+ sign -51.349 ± 0.436 χ^2/NDF : 4659.7/33

All: -48.779 ± 0.302 χ^2/NDF : 10065.7/69

- sign -46.404 ± 0.419 χ^2/NDF : 5339.0/35

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.594 $\pm$ 0.807 χ^2 /NDF: 1665.7/15

Left Out: 26.225 $\pm$ 0.385 χ^2 /NDF:1514.8/17

Right Out: 27.736 $\pm$ 0.797 χ^2 /NDF: 1185.1/18

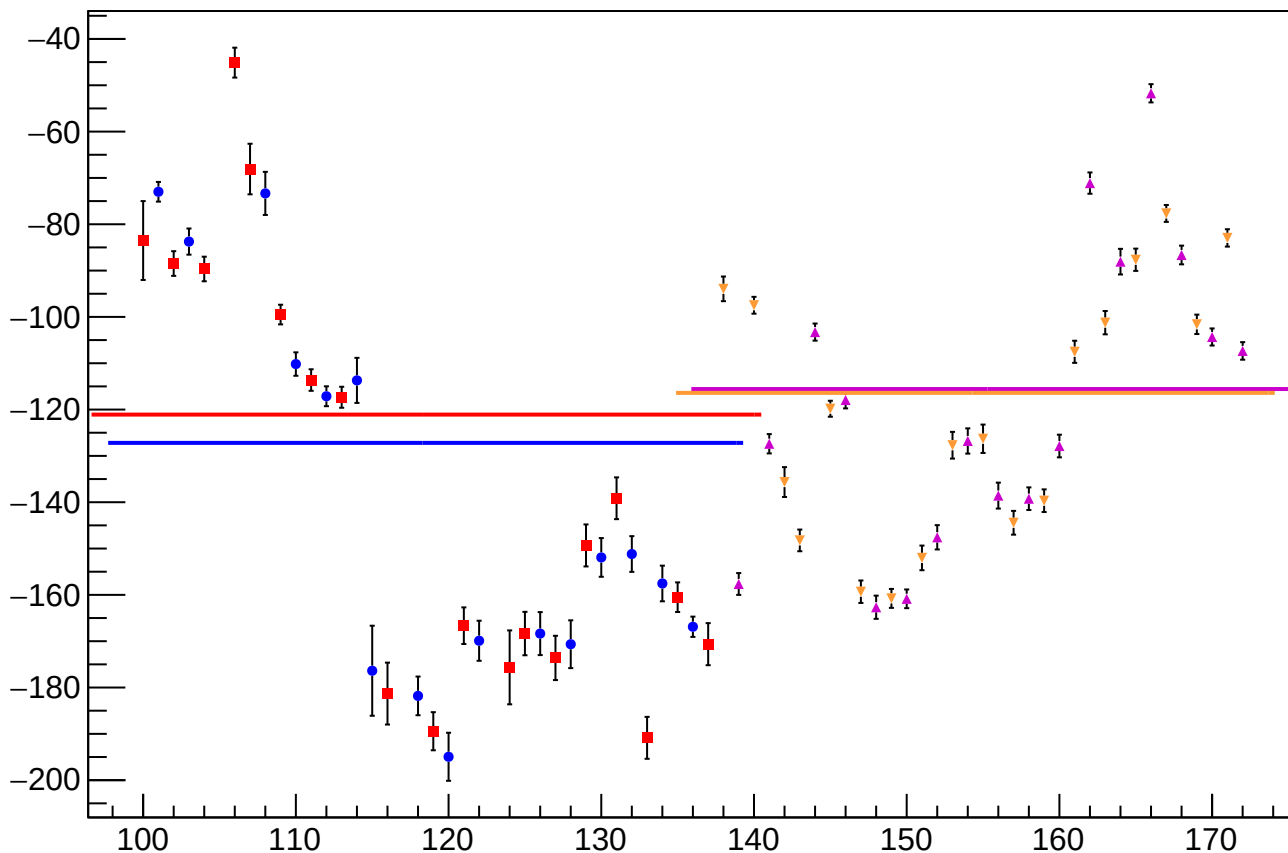
Left In: 25.671 $\pm$ 0.386 χ^2 /NDF:1125.5/16

+ sign 26.849 $\pm$ 0.348 χ^2 /NDF: 3194.7/33

All: 26.457 $\pm$ 0.246 χ^2 /NDF: 5513.2/69

- sign 26.064 $\pm$ 0.348 χ^2 /NDF: 2316.0/35

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -127.190 ± 0.829 $\chi^2/\text{NDF}: 2178.2/15$

Left Out: -116.396 ± 0.536 $\chi^2/\text{NDF}: 2616.4/17$

Right Out: -121.086 ± 0.798 $\chi^2/\text{NDF}: 2397.3/18$

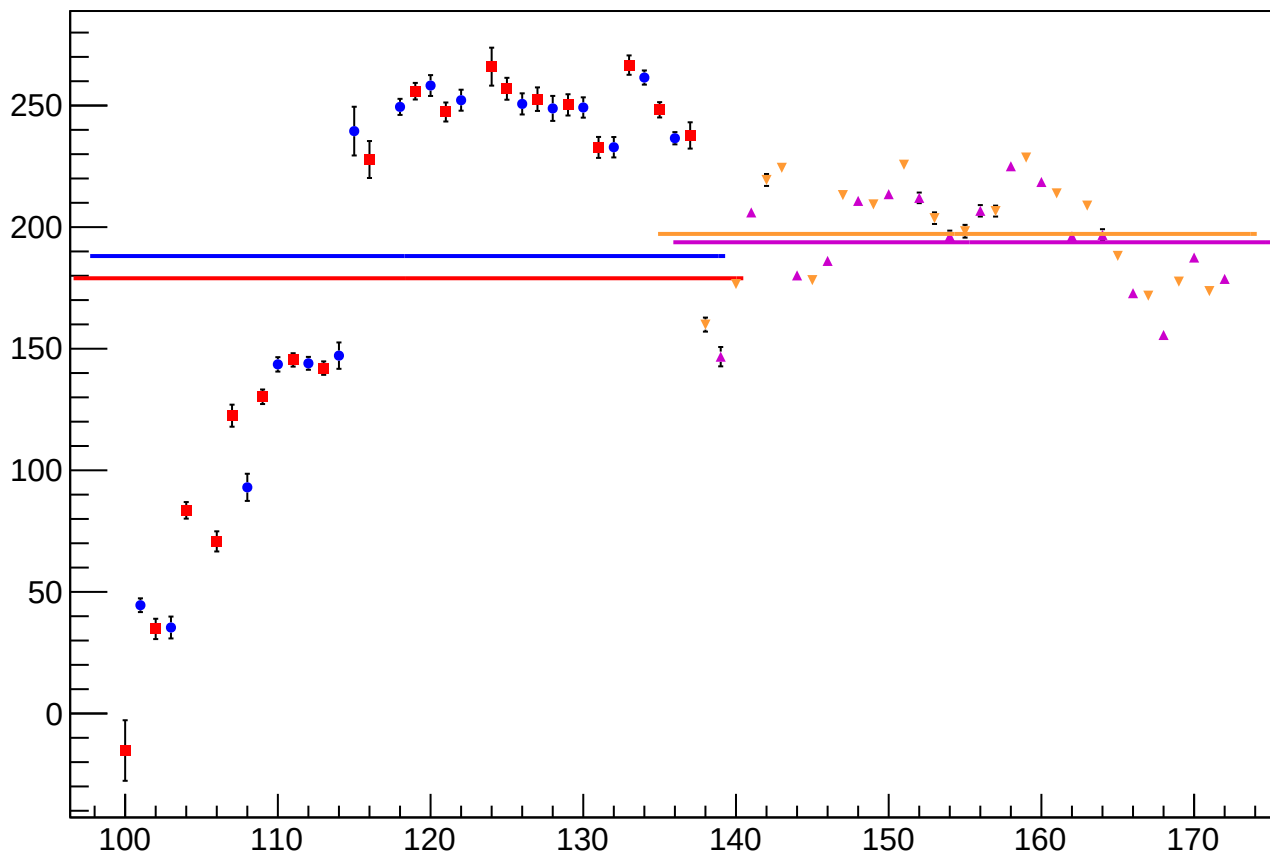
Left In: -115.567 ± 0.531 $\chi^2/\text{NDF}: 3391.9/16$

+ sign -119.578 ± 0.450 $\chi^2/\text{NDF}: 4914.0/33$

All: -118.397 ± 0.315 $\chi^2/\text{NDF}: 10749.9/69$

- sign -117.260 ± 0.442 $\chi^2/\text{NDF}: 5822.4/35$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.107 $\pm$ 0.918 χ^2 /NDF: 7118.6/15

Left Out: 197.209 $\pm$ 0.444 χ^2 /NDF: 2171.0/17

Right Out: 178.971 $\pm$ 0.908 χ^2 /NDF: 6668.8/18

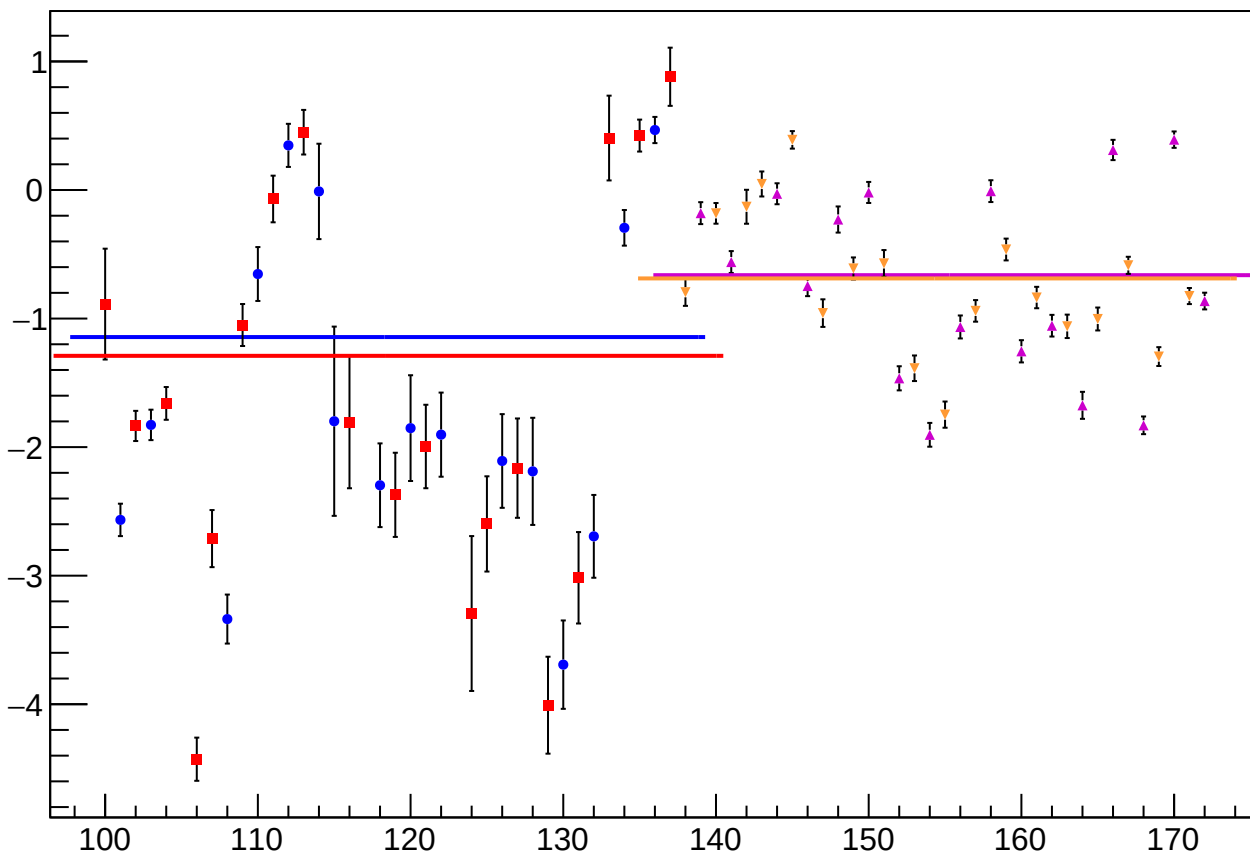
Left In: 193.774 $\pm$ 0.443 χ^2 /NDF: 1769.8/16

+ sign 195.486 $\pm$ 0.399 χ^2 /NDF: 9369.3/33

All: 193.200 $\pm$ 0.282 χ^2 /NDF: 18087.9/69

- sign 190.931 $\pm$ 0.398 χ^2 /NDF: 8653.3/35

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

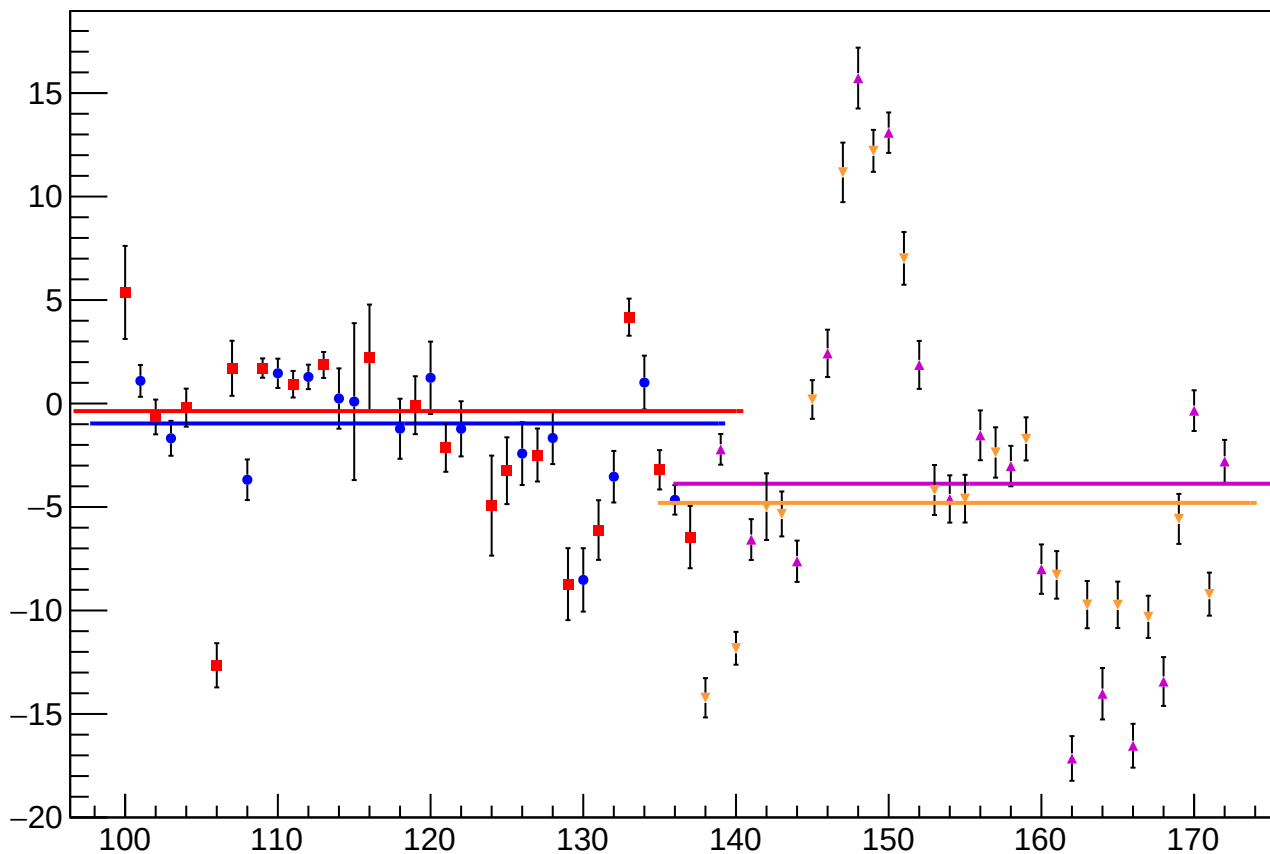
Left In: -0.662 ± 0.020 χ^2/NDF : 1393.1/16

+ sign -0.756 ± 0.019 χ^2/NDF : 1520.1/33

All: -0.756 ± 0.013 χ^2/NDF : 4060.4/69

- sign -0.756 ± 0.018 χ^2/NDF : 2540.3/35

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

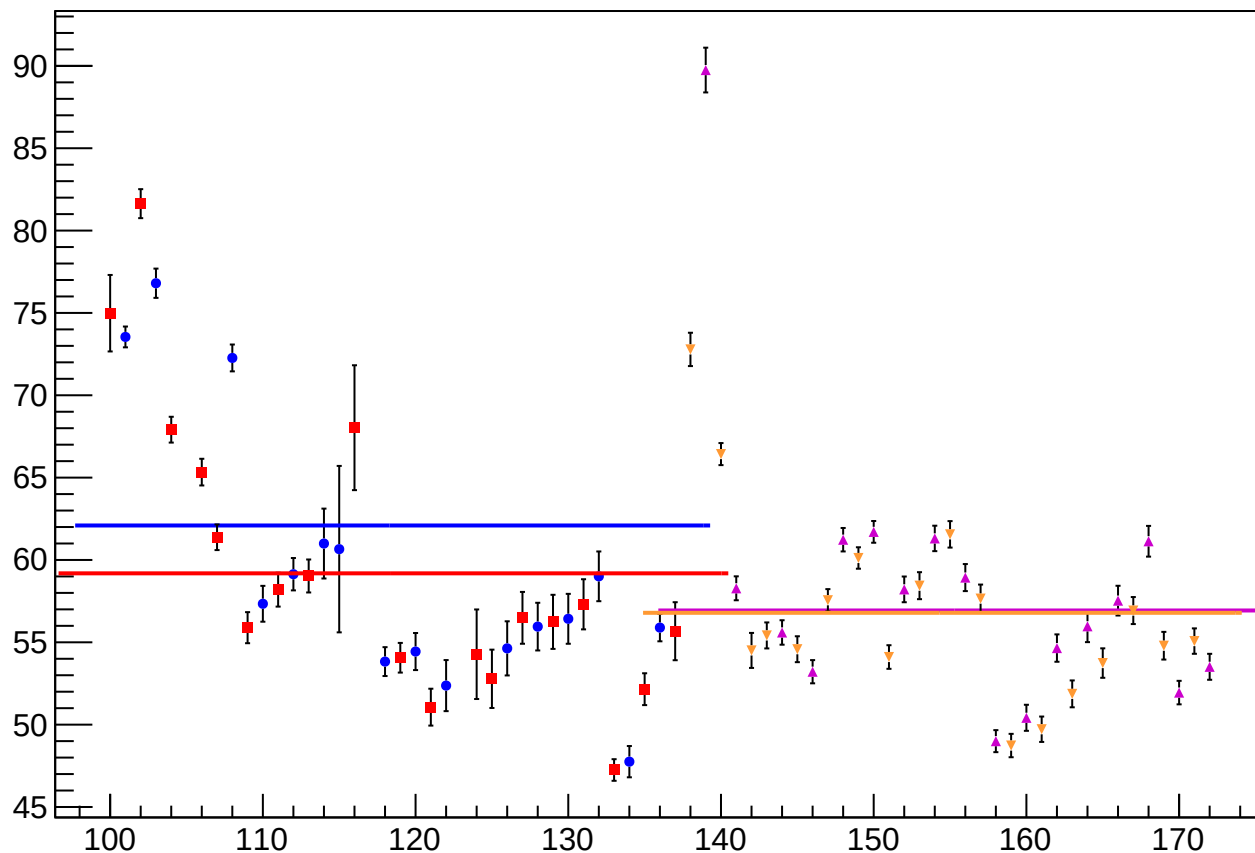
Left In: -3.875 ± 0.257 χ^2/NDF : 1018.6/16

+ sign -2.850 ± 0.181 χ^2/NDF : 1020.6/33

All: -2.332 ± 0.123 χ^2/NDF : 2441.4/69

- sign -1.879 ± 0.169 χ^2/NDF : 1405.4/35

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.094 $\pm$ 0.265 χ^2 /NDF: 1301.3/15

Left Out: 56.791 $\pm$ 0.185 χ^2 /NDF: 825.9/17

Right Out: 59.188 $\pm$ 0.244 χ^2 /NDF: 1402.1/18

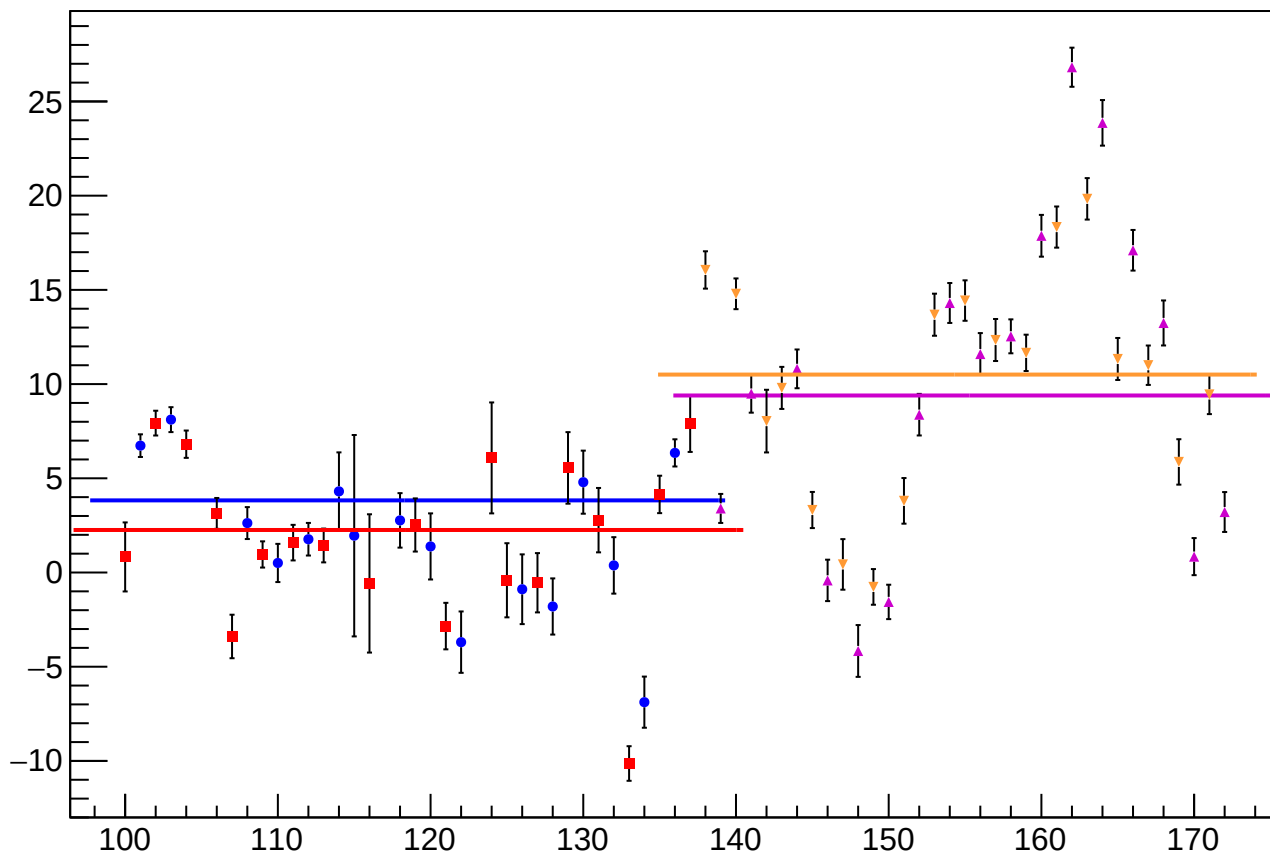
Left In: 56.932 $\pm$ 0.190 χ^2 /NDF: 1052.4/16

+ sign 58.525 $\pm$ 0.152 χ^2 /NDF: 2395.8/33

All: 58.151 $\pm$ 0.107 χ^2 /NDF: 4915.6/69

- sign 57.786 $\pm$ 0.150 χ^2 /NDF: 2507.8/35

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

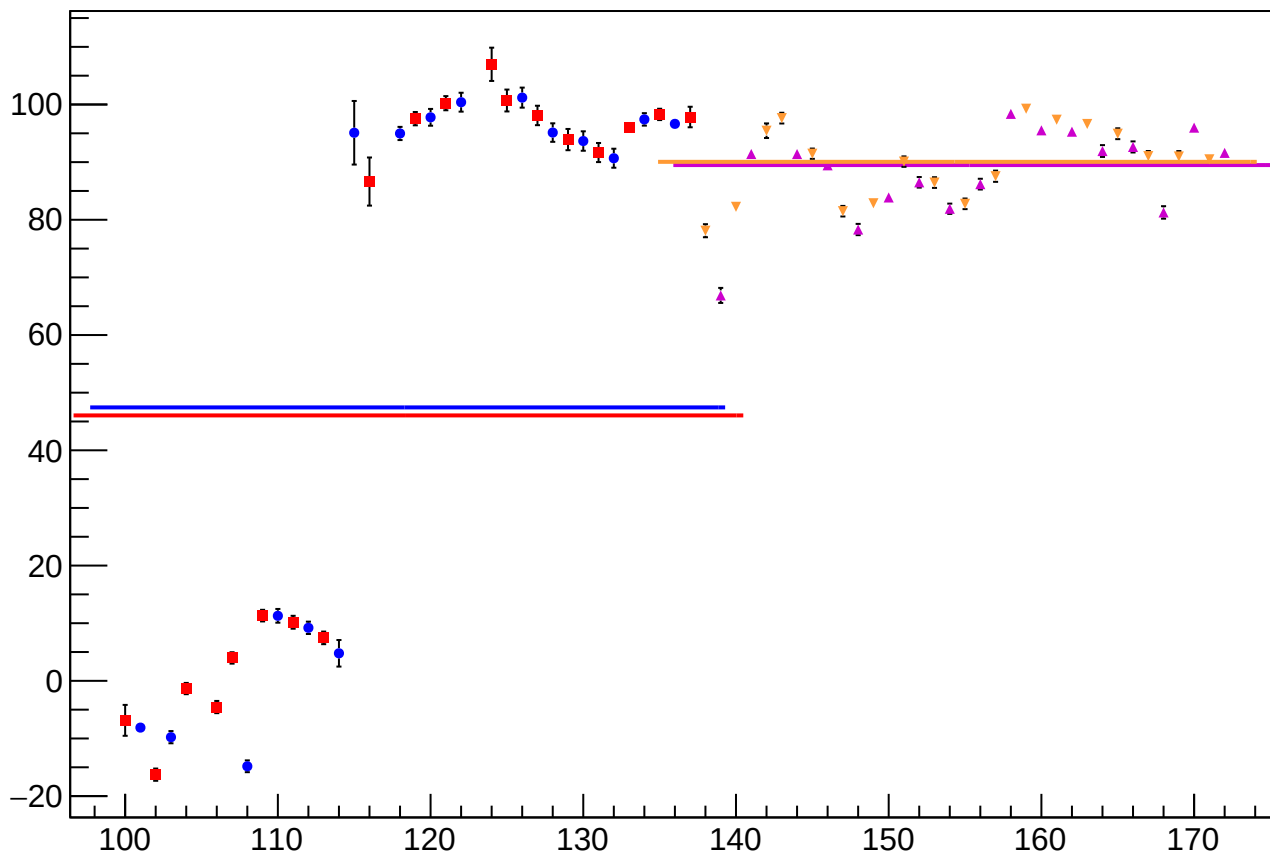
Left In: 9.395 ± 0.251 χ^2/NDF : 1076.5/16

+ sign 7.329 ± 0.183 χ^2/NDF : 1052.6/33

All: 6.512 ± 0.127 χ^2/NDF : 2950.6/69

- sign 5.756 ± 0.176 χ^2/NDF : 1859.6/35

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.443 $\pm$ 0.308 χ^2 /NDF: 26886.9/15

Left Out: 90.052 $\pm$ 0.212 χ^2 /NDF: 870.4/17

Right Out: 46.053 $\pm$ 0.284 χ^2 /NDF: 28897.8/18

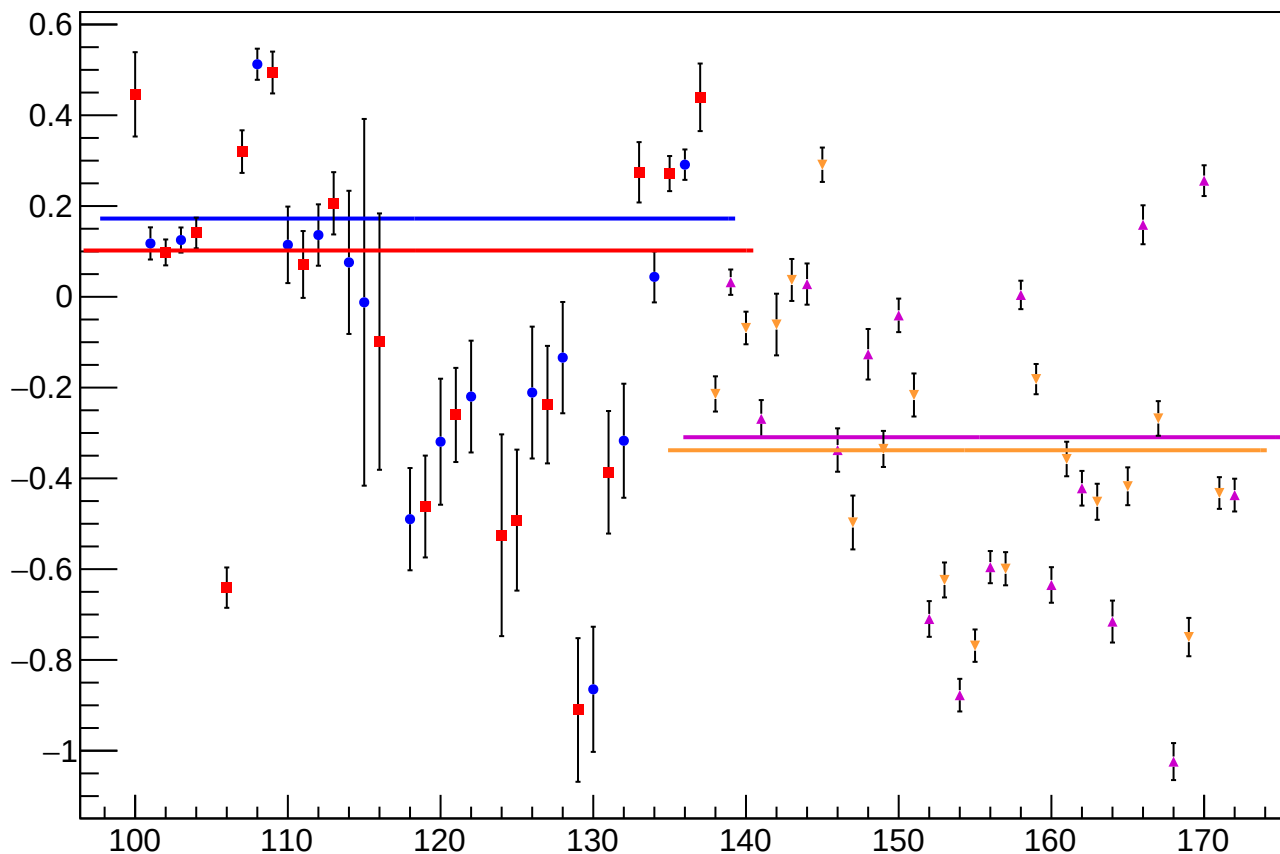
Left In: 89.491 $\pm$ 0.215 χ^2 /NDF: 996.7/16

+ sign 76.397 $\pm$ 0.174 χ^2 /NDF: 40757.4/33

All: 75.021 $\pm$ 0.122 χ^2 /NDF: 85612.7/69

- sign 73.689 $\pm$ 0.172 χ^2 /NDF: 44732.7/35

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

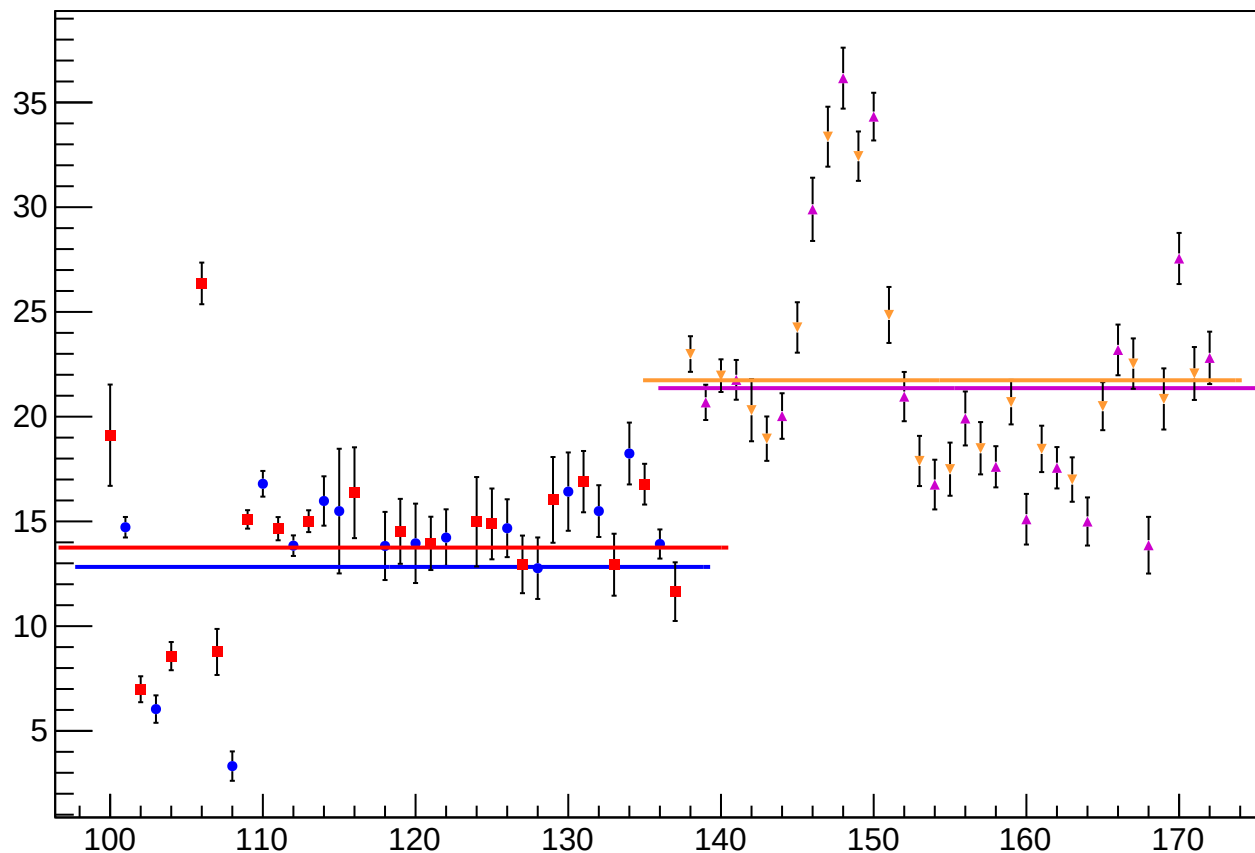
Left In: -0.309 ± 0.009 χ^2/NDF : 1659.9/16

+ sign -0.181 ± 0.008 χ^2/NDF : 1997.0/33

All: -0.179 ± 0.005 χ^2/NDF : 4850.4/69

- sign -0.177 ± 0.008 χ^2/NDF : 2853.2/35

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.827 ± 0.214 $\chi^2/\text{NDF}: 388.0/15$

Left Out: 21.737 ± 0.268 $\chi^2/\text{NDF}: 228.4/17$

Right Out: 13.750 ± 0.204 $\chi^2/\text{NDF}: 404.0/18$

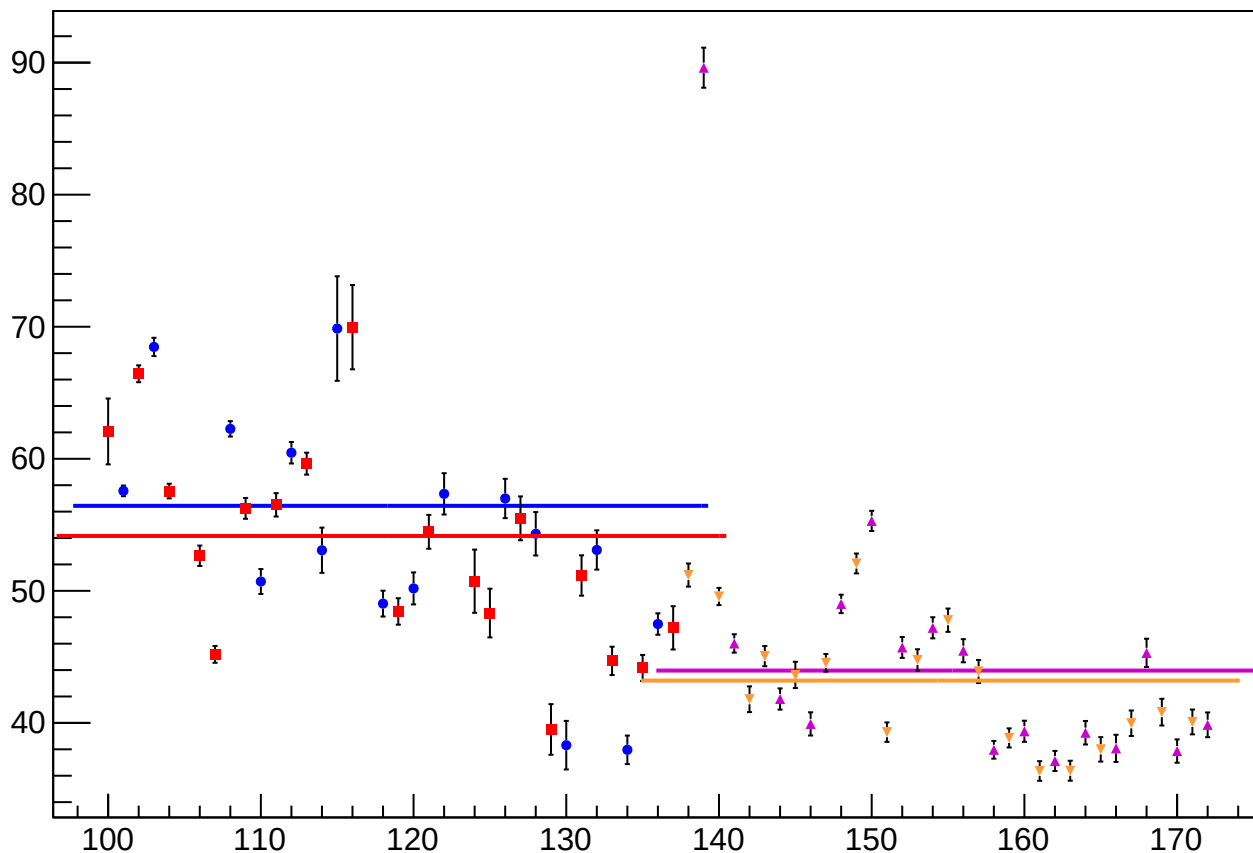
Left In: 21.362 ± 0.276 $\chi^2/\text{NDF}: 430.7/16$

+ sign 16.299 ± 0.167 $\chi^2/\text{NDF}: 1291.4/33$

All: 16.371 ± 0.117 $\chi^2/\text{NDF}: 2618.1/69$

- sign 16.441 ± 0.164 $\chi^2/\text{NDF}: 1326.3/35$

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

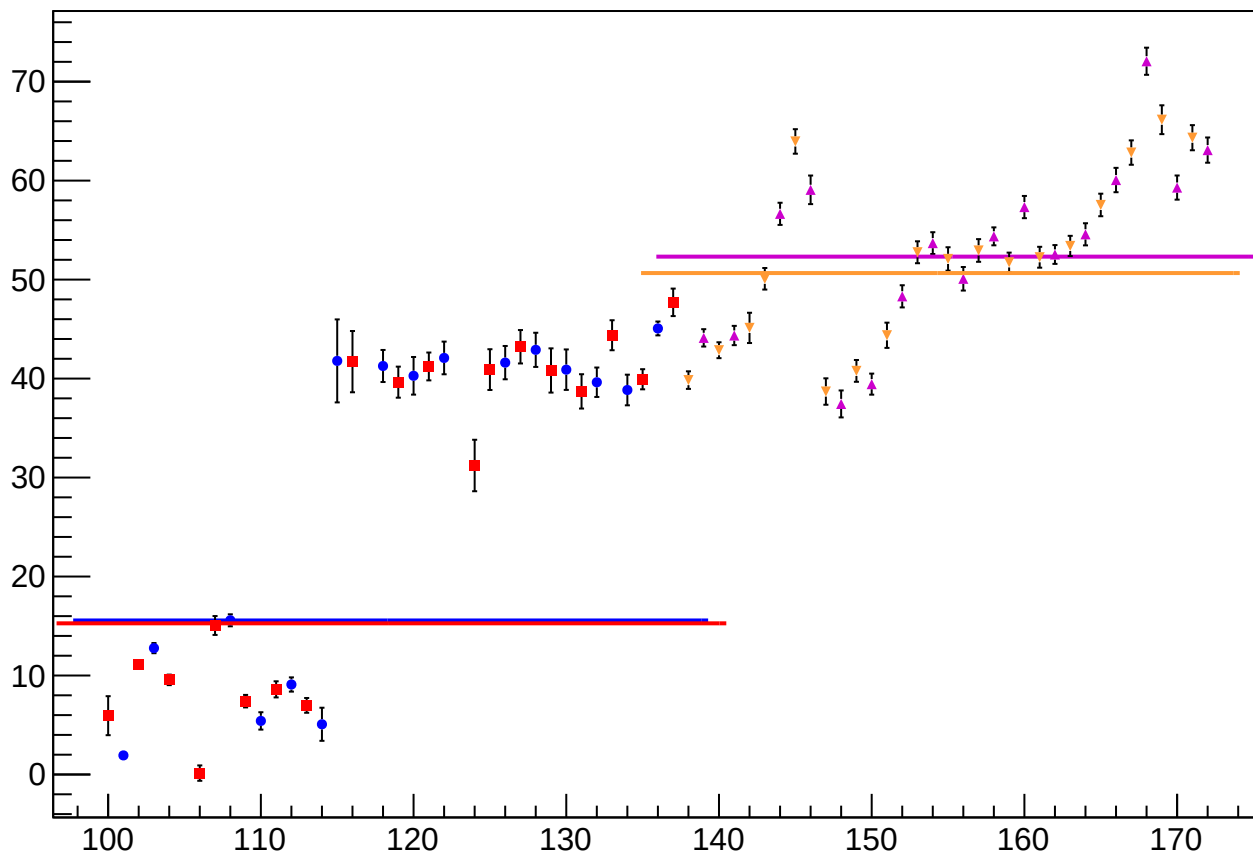
Left In: 43.963 ± 0.202 χ^2/NDF : 1561.2/16

+ sign 48.862 ± 0.145 χ^2/NDF : 3776.8/33

All: 48.695 ± 0.104 χ^2/NDF : 7487.7/69

- sign 48.516 ± 0.150 χ^2/NDF : 3708.2/35

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.561 ± 0.214 $\chi^2/\text{NDF}: 5176.0/15$

Left Out: 50.661 ± 0.263 $\chi^2/\text{NDF}: 939.8/17$

Right Out: 15.272 ± 0.219 $\chi^2/\text{NDF}: 3873.0/18$

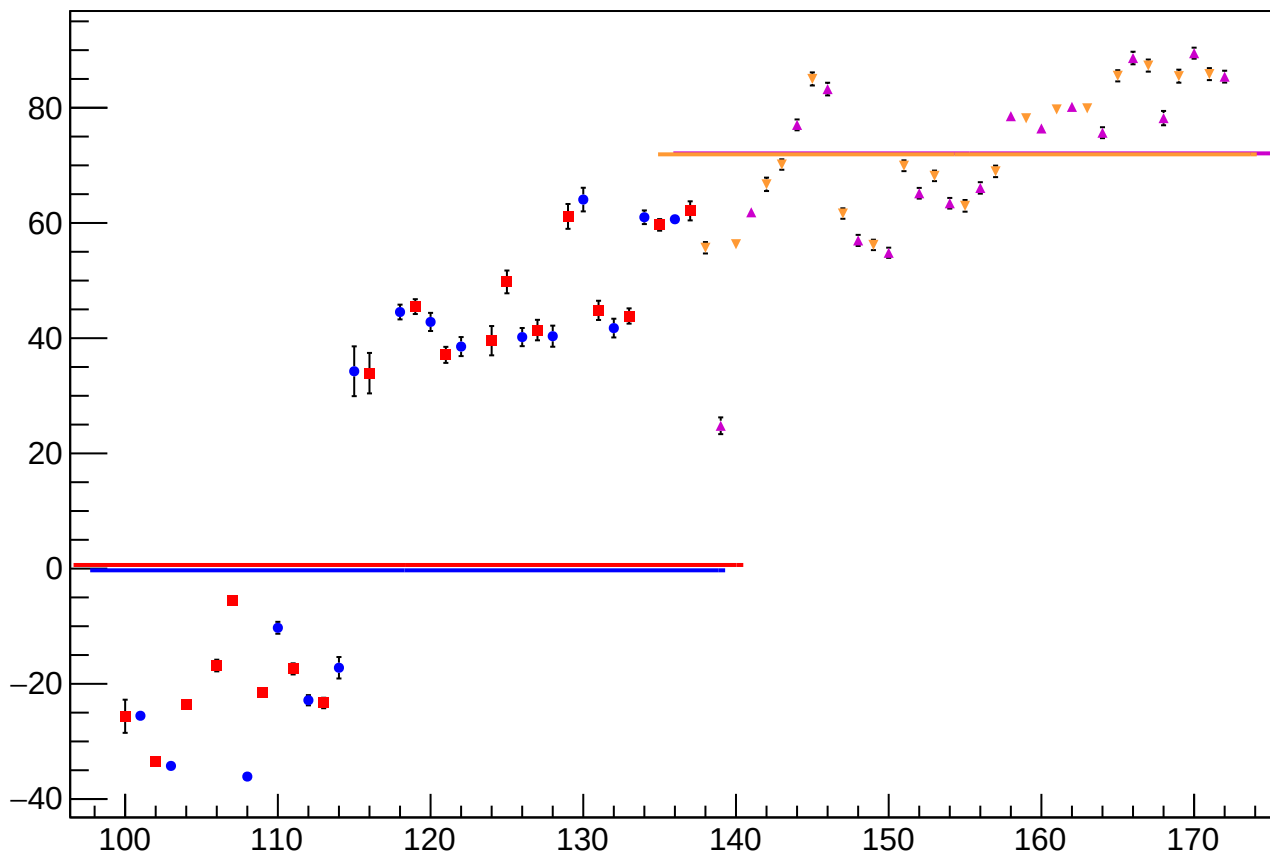
Left In: 52.320 ± 0.269 $\chi^2/\text{NDF}: 855.0/16$

+ sign 29.539 ± 0.166 $\chi^2/\text{NDF}: 16830.0/33$

All: 29.777 ± 0.119 $\chi^2/\text{NDF}: 32945.4/69$

- sign 30.026 ± 0.170 $\chi^2/\text{NDF}: 16111.3/35$

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

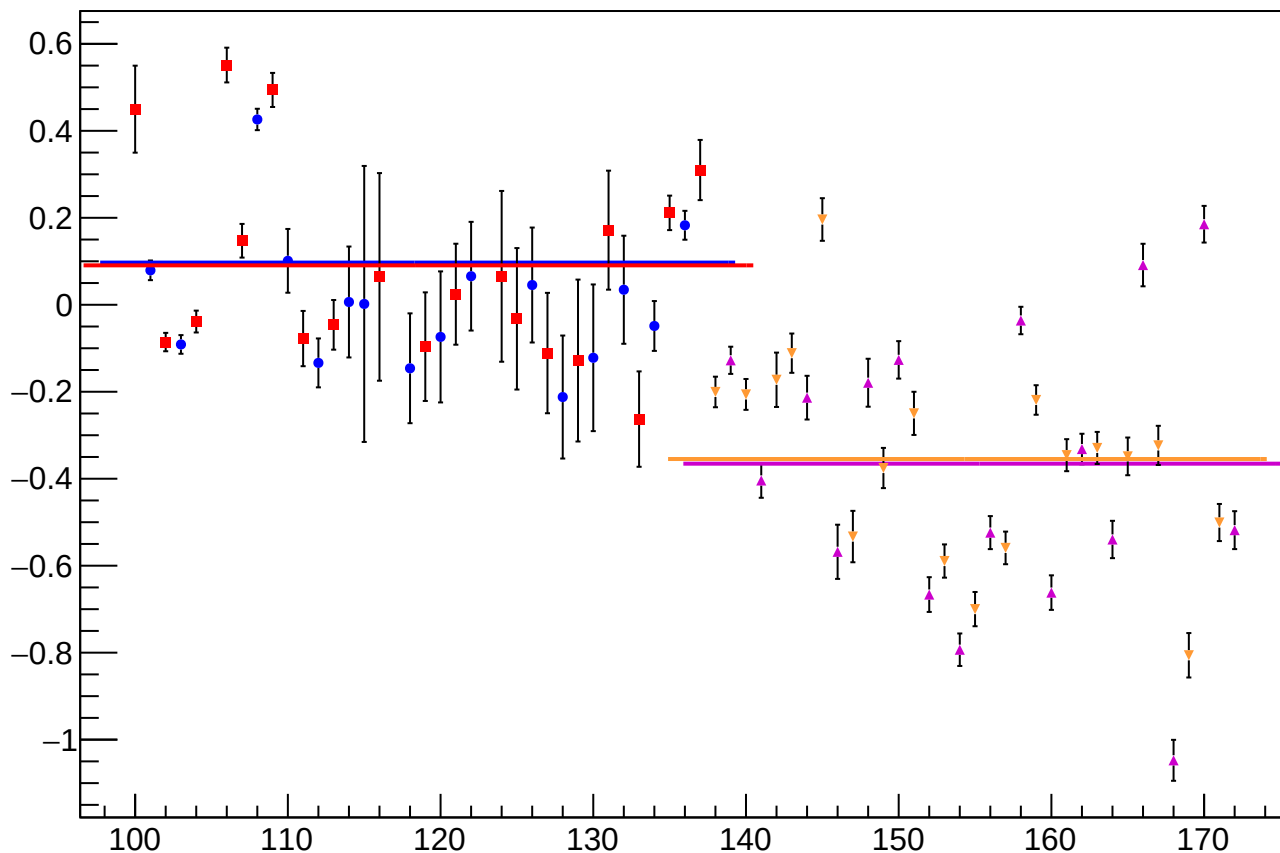
Left In: 72.079 ± 0.228 χ^2/NDF : 3125.7/16

+ sign 42.002 ± 0.168 χ^2/NDF : 68090.7/33

All: 41.728 ± 0.120 χ^2/NDF : 129203.9/69

- sign 41.438 ± 0.173 χ^2/NDF : 61107.7/35

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

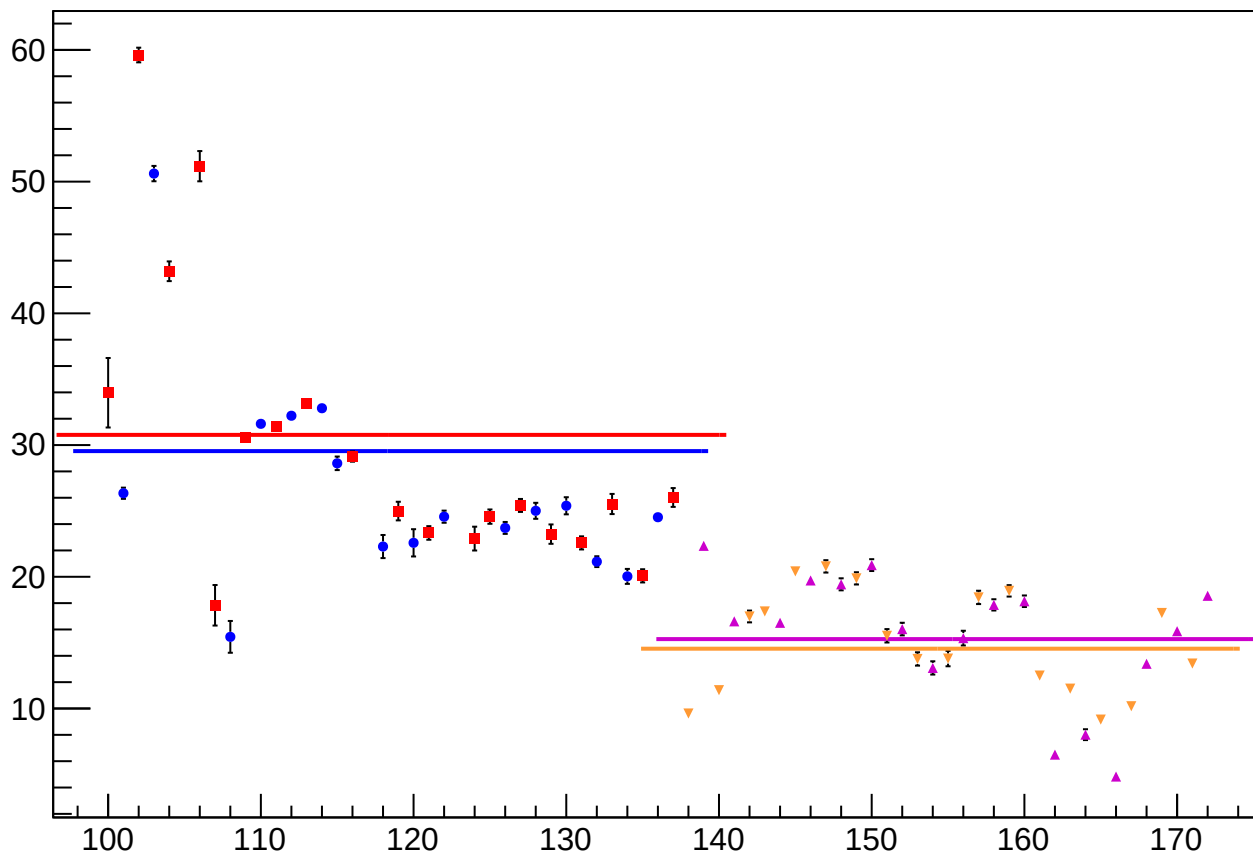
Left In: -0.365 ± 0.010 χ^2/NDF : 988.0/16

+ sign -0.158 ± 0.007 χ^2/NDF : 1678.1/33

All: -0.163 ± 0.005 χ^2/NDF : 3977.9/69

- sign -0.169 ± 0.007 χ^2/NDF : 2298.7/35

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.542 $\pm$ 0.092 χ^2 /NDF: 3372.2/15

Left Out: 14.541 $\pm$ 0.088 χ^2 /NDF: 1990.9/17

Right Out: 30.774 $\pm$ 0.080 χ^2 /NDF: 5079.2/18

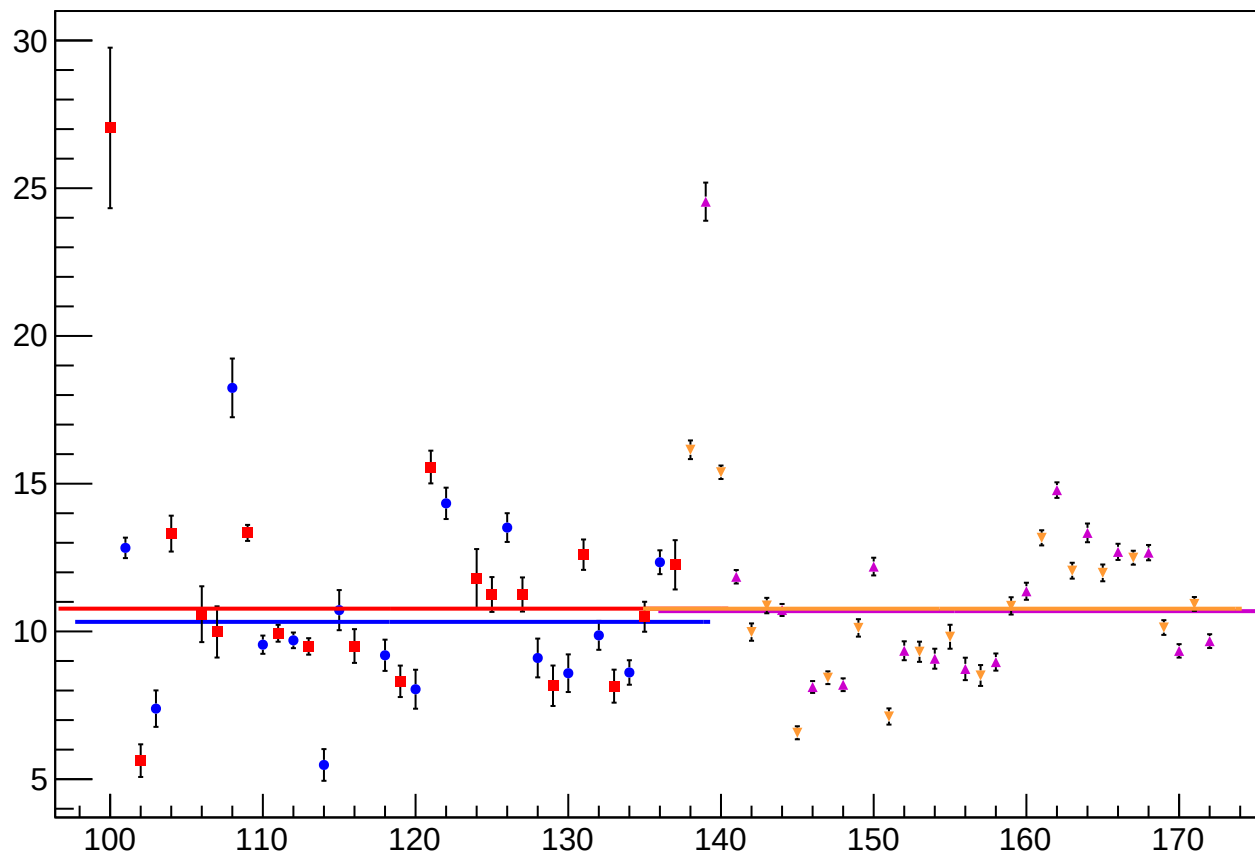
Left In: 15.269 $\pm$ 0.090 χ^2 /NDF: 3086.6/16

+ sign 21.748 $\pm$ 0.064 χ^2 /NDF: 19190.1/33

All: 22.880 $\pm$ 0.044 χ^2 /NDF: 44602.0/69

- sign 23.873 $\pm$ 0.060 χ^2 /NDF: 24819.5/35

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.324 $\pm$ 0.114 χ^2 /NDF: 402.6/15

Left Out: 10.770 $\pm$ 0.063 χ^2 /NDF:1621.4/17

Right Out: 10.771 $\pm$ 0.113 χ^2 /NDF: 415.8/18

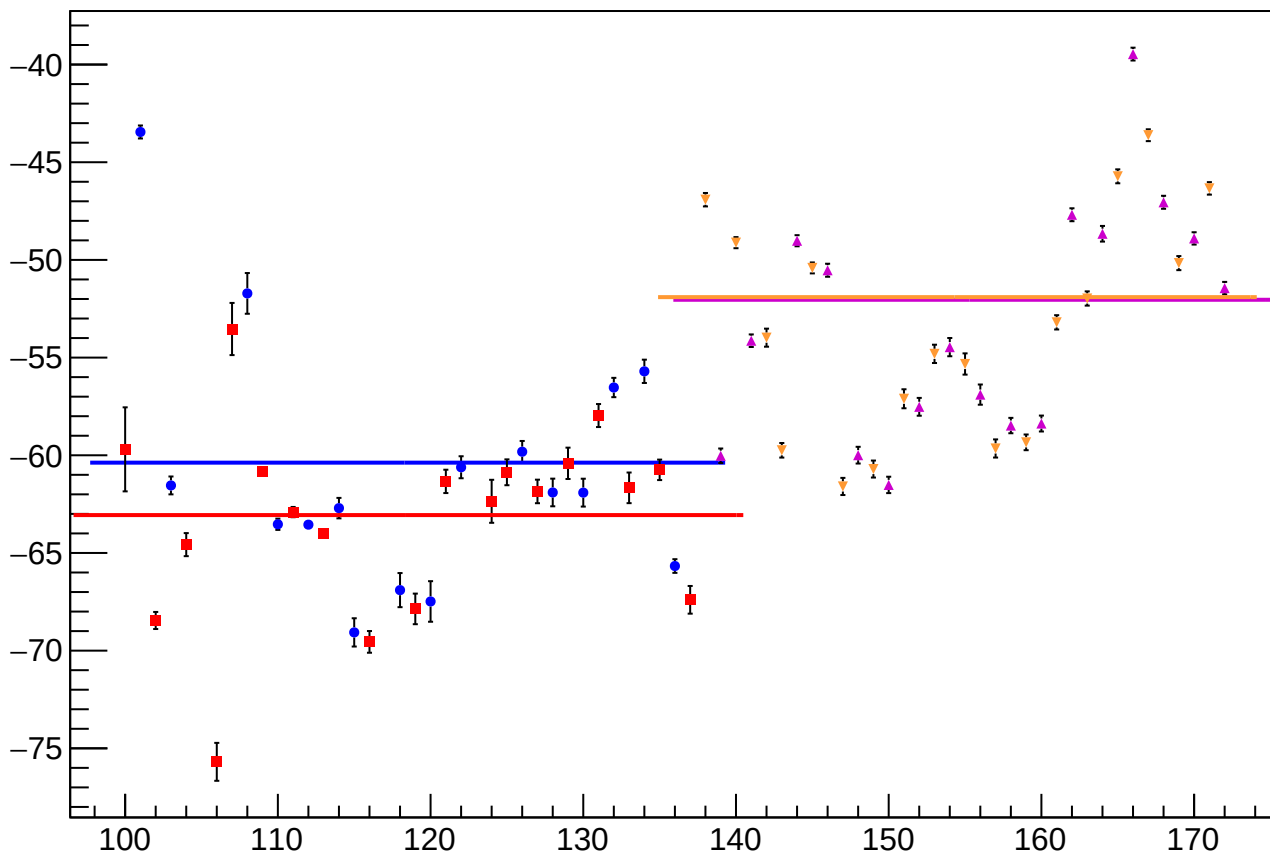
Left In: 10.687 $\pm$ 0.064 χ^2 /NDF:1394.7/16

+ sign 10.665 $\pm$ 0.055 χ^2 /NDF: 2035.8/33

All: 10.686 $\pm$ 0.039 χ^2 /NDF: 3846.9/69

- sign 10.707 $\pm$ 0.056 χ^2 /NDF: 1810.9/35

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

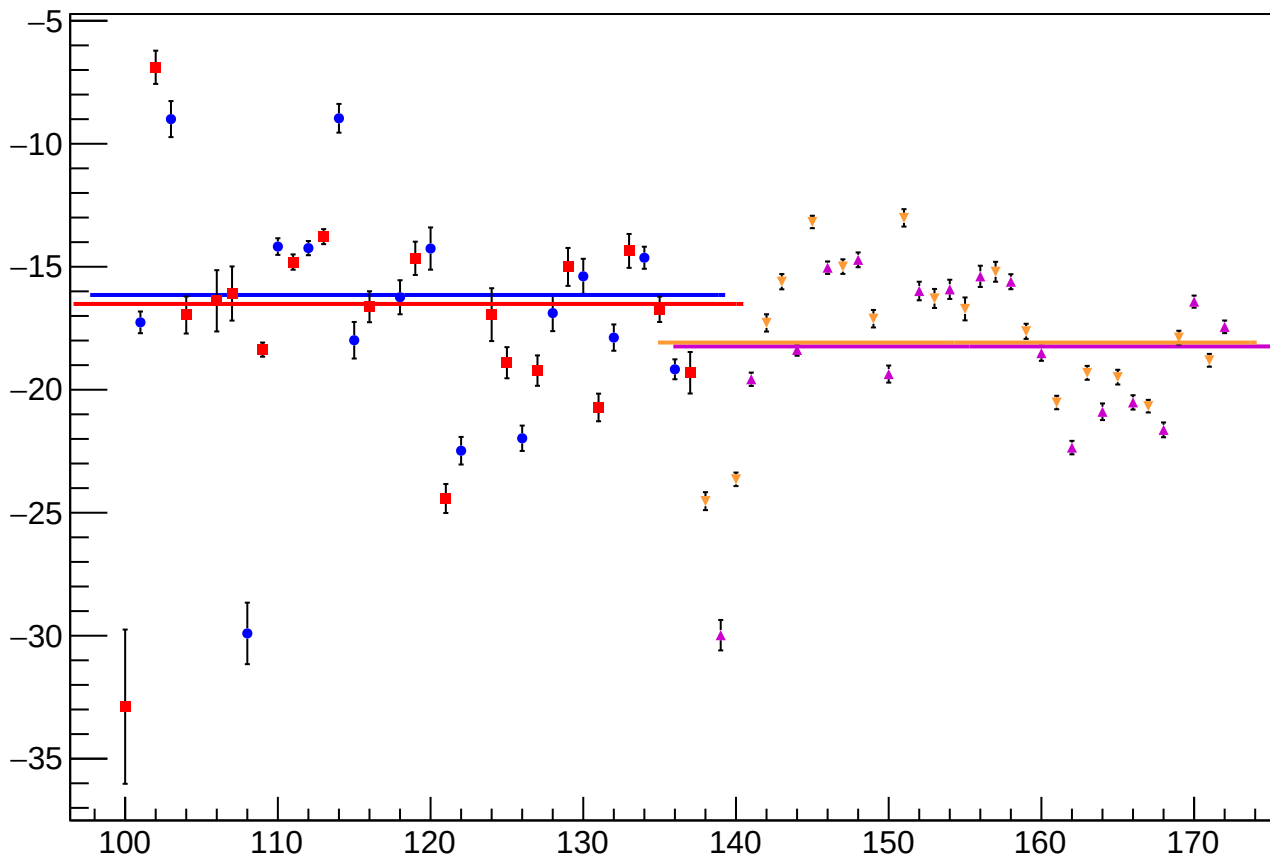
Left In: -52.040 ± 0.088 χ^2/NDF : 4293.4/16

+ sign -55.090 ± 0.069 χ^2/NDF : 10996.0/33

All: -55.801 ± 0.049 χ^2/NDF : 22638.3/69

- sign -56.488 ± 0.068 χ^2/NDF : 11435.4/35

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

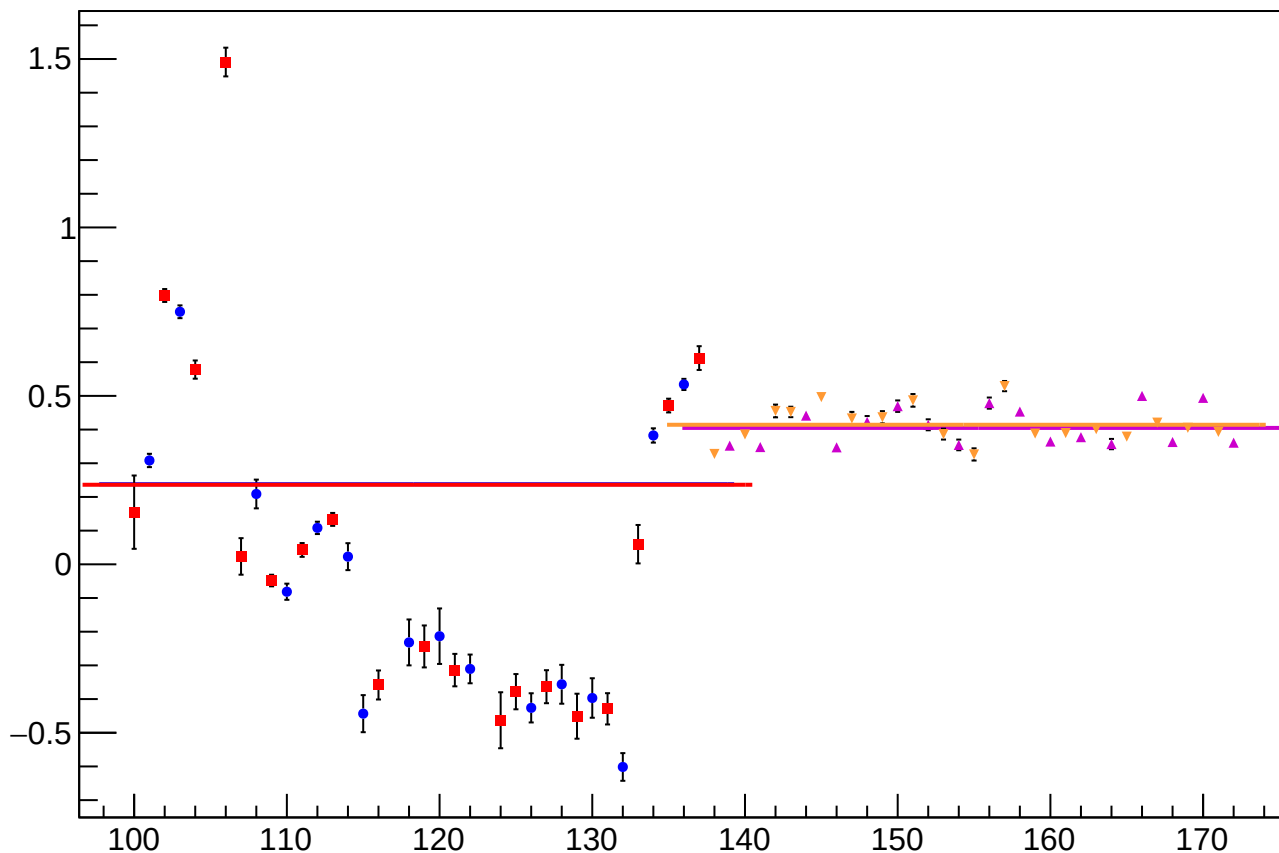
Left In: -18.239 ± 0.074 χ^2/NDF : 1419.3/16

+ sign -17.605 ± 0.063 χ^2/NDF : 2771.6/33

All: -17.699 ± 0.045 χ^2/NDF : 5022.4/69

- sign -17.793 ± 0.063 χ^2/NDF : 2246.4/35

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238 $\pm$ 0.007 χ^2 /NDF: 2632.9/15

Left Out: 0.414 $\pm$ 0.003 χ^2 /NDF: 230.0/17

Right Out: 0.236 $\pm$ 0.007 χ^2 /NDF: 3595.0/18

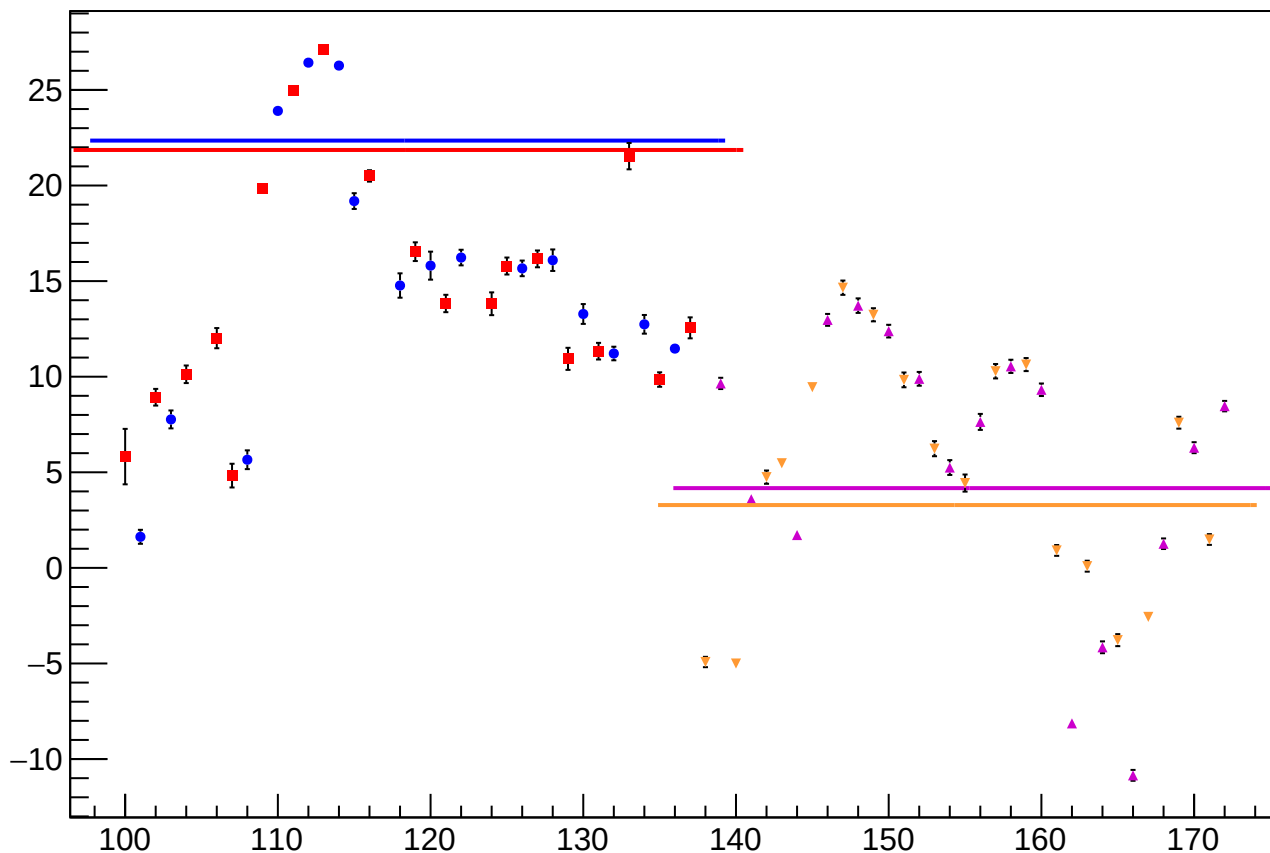
Left In: 0.405 $\pm$ 0.003 χ^2 /NDF: 288.3/16

+ sign 0.383 $\pm$ 0.003 χ^2 /NDF: 3375.4/33

All: 0.379 $\pm$ 0.002 χ^2 /NDF: 7727.6/69

- sign 0.375 $\pm$ 0.003 χ^2 /NDF: 4348.9/35

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.350 ± 0.057 $\chi^2/\text{NDF}: 12336.9/15$

Left Out: 3.286 ± 0.071 $\chi^2/\text{NDF}: 7507.6/17$

Right Out: 21.859 ± 0.046 $\chi^2/\text{NDF}: 10692.4/18$

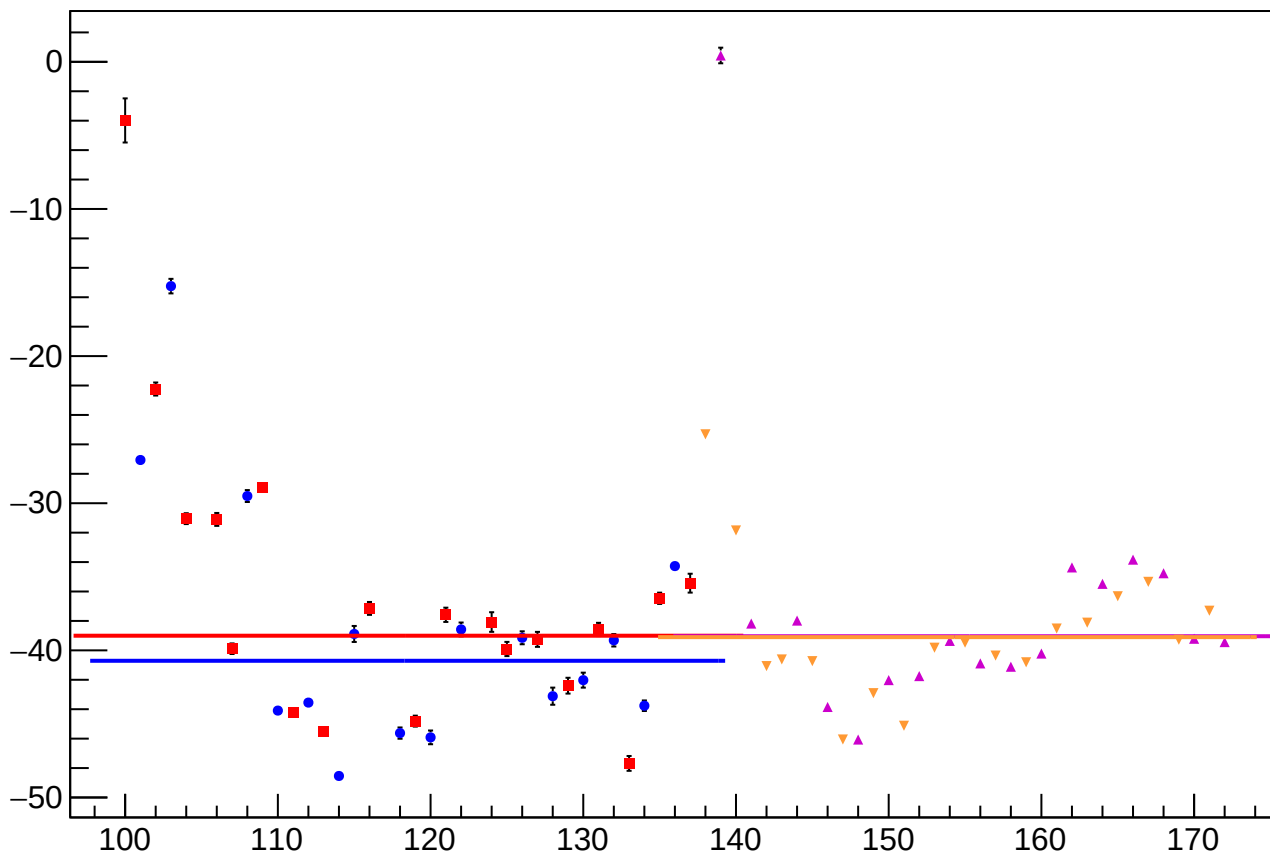
Left In: 4.172 ± 0.073 $\chi^2/\text{NDF}: 9591.0/16$

+ sign 14.898 ± 0.044 $\chi^2/\text{NDF}: 64263.8/33$

All: 15.960 ± 0.029 $\chi^2/\text{NDF}: 127398.9/69$

- sign 16.794 ± 0.039 $\chi^2/\text{NDF}: 62101.4/35$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.709 ± 0.076 $\chi^2/\text{NDF}: 7780.4/15$

Left Out: -39.102 ± 0.050 $\chi^2/\text{NDF}: 8064.1/17$

Right Out: -39.005 ± 0.071 $\chi^2/\text{NDF}: 10101.3/18$

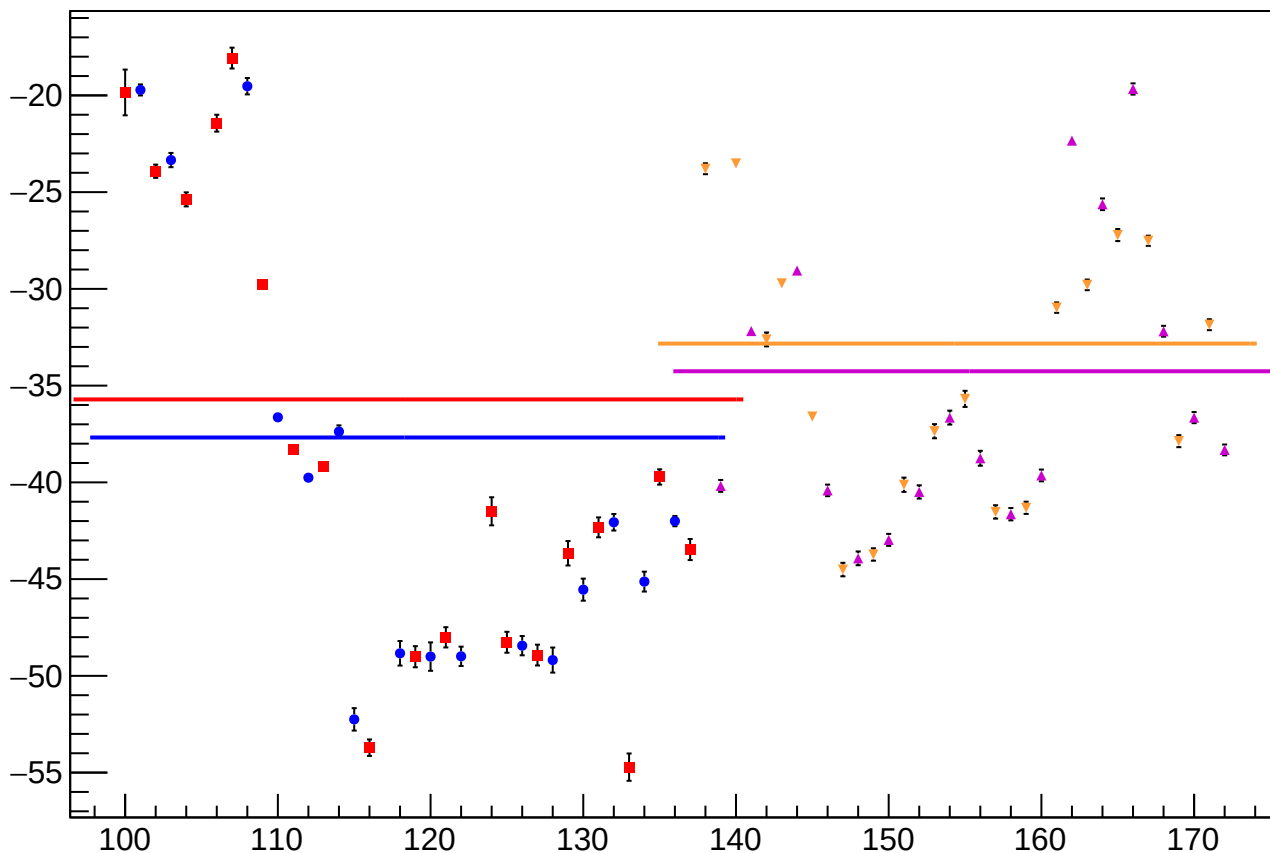
Left In: -39.039 ± 0.053 $\chi^2/\text{NDF}: 9850.7/16$

+ sign -39.587 ± 0.042 $\chi^2/\text{NDF}: 16152.7/33$

All: -39.309 ± 0.030 $\chi^2/\text{NDF}: 36193.1/69$

- sign -39.027 ± 0.042 $\chi^2/\text{NDF}: 19952.2/35$

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

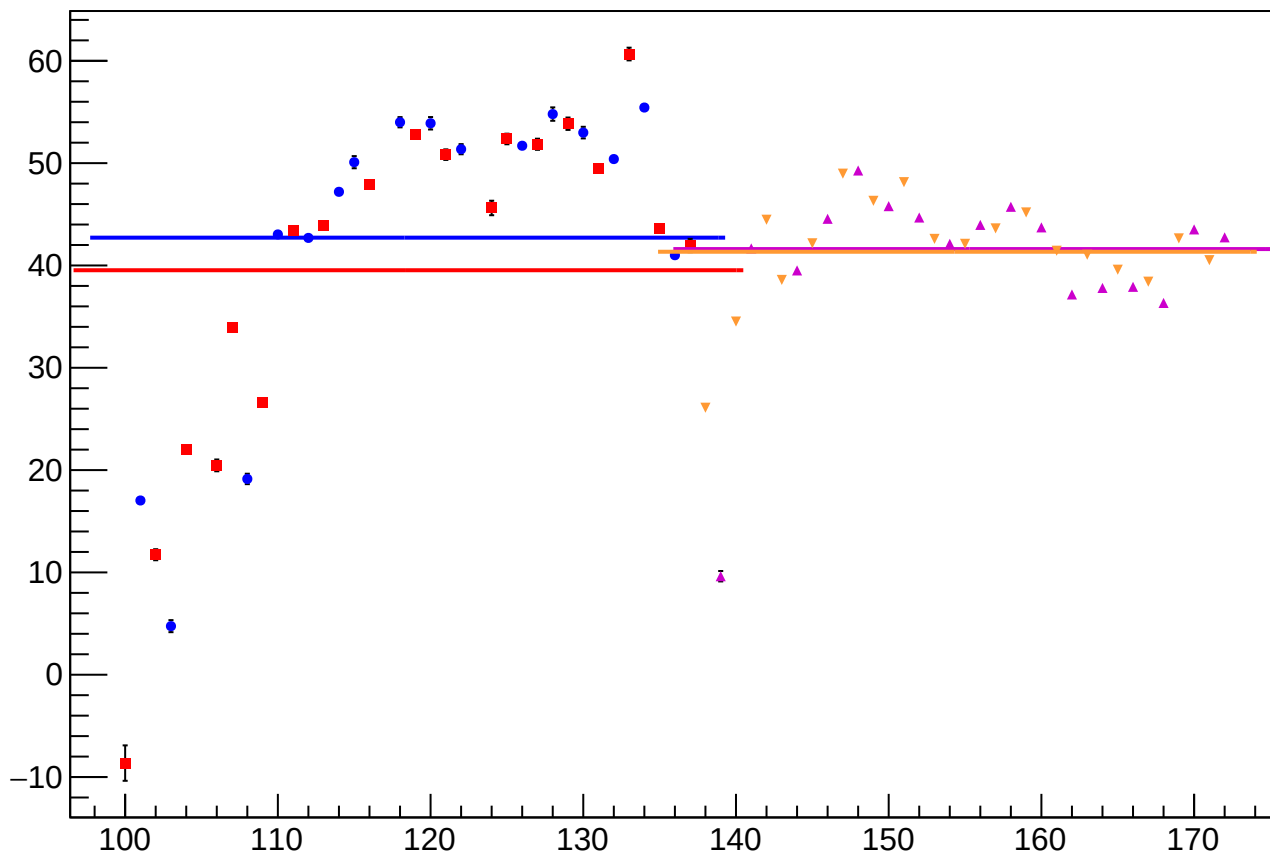
Left In: -34.258 ± 0.072 χ^2/NDF : 10193.2/16

+ sign -35.123 ± 0.051 χ^2/NDF : 21722.4/33

All: -35.093 ± 0.035 χ^2/NDF : 45418.6/69

- sign -35.066 ± 0.048 χ^2/NDF : 23695.6/35

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.718 $\pm$ 0.085 χ^2 /NDF: 14765.0/15

Left Out: 41.340 $\pm$ 0.058 χ^2 /NDF: 6544.1/17

Right Out: 39.533 $\pm$ 0.078 χ^2 /NDF: 17978.2/18

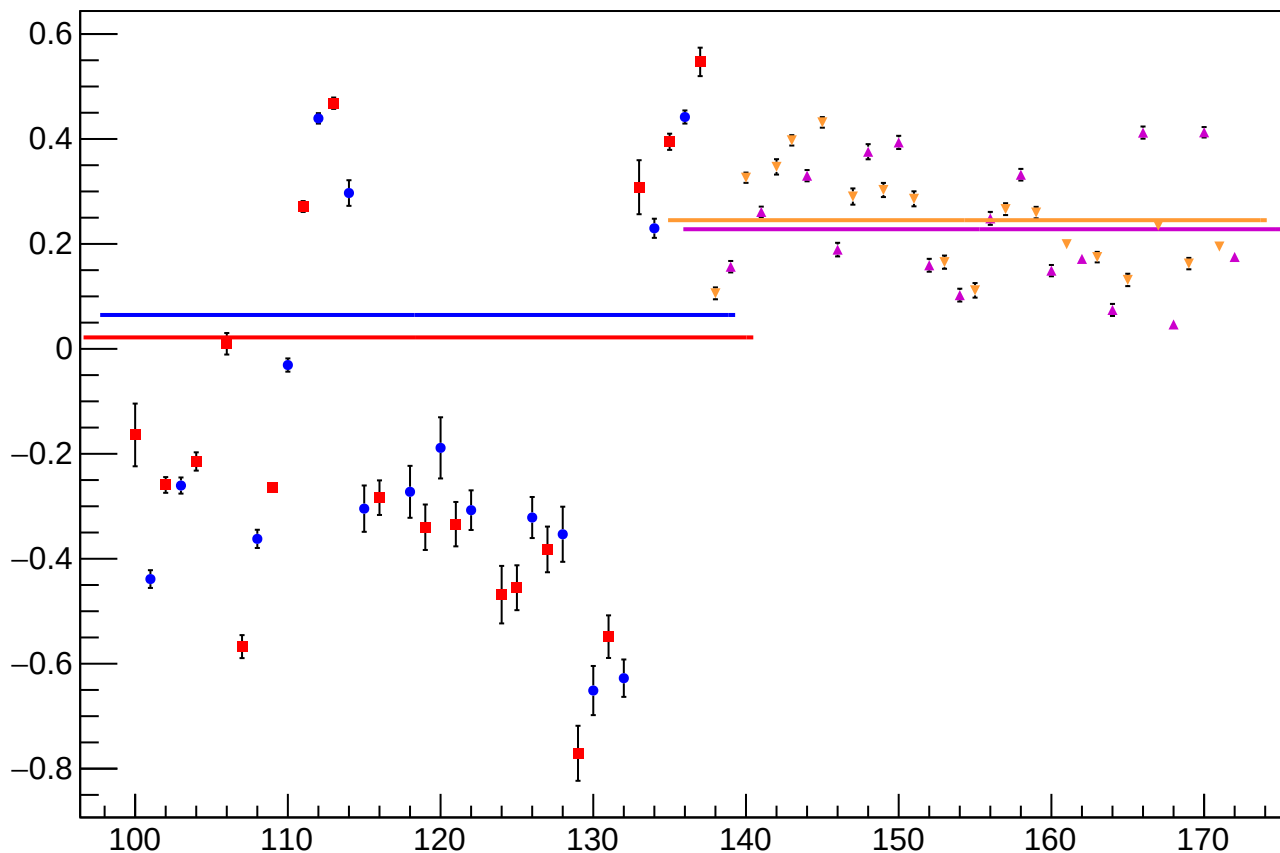
Left In: 41.603 $\pm$ 0.060 χ^2 /NDF: 7370.9/16

+ sign 41.776 $\pm$ 0.048 χ^2 /NDF: 21488.4/33

All: 41.303 $\pm$ 0.034 χ^2 /NDF: 47472.8/69

- sign 40.835 $\pm$ 0.048 χ^2 /NDF: 25789.9/35

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.005 χ^2 /NDF: 5497.5/15

Left Out: 0.245 $\pm$ 0.003 χ^2 /NDF:1267.1/17

Right Out: 0.022 $\pm$ 0.004 χ^2 /NDF: 6405.3/18

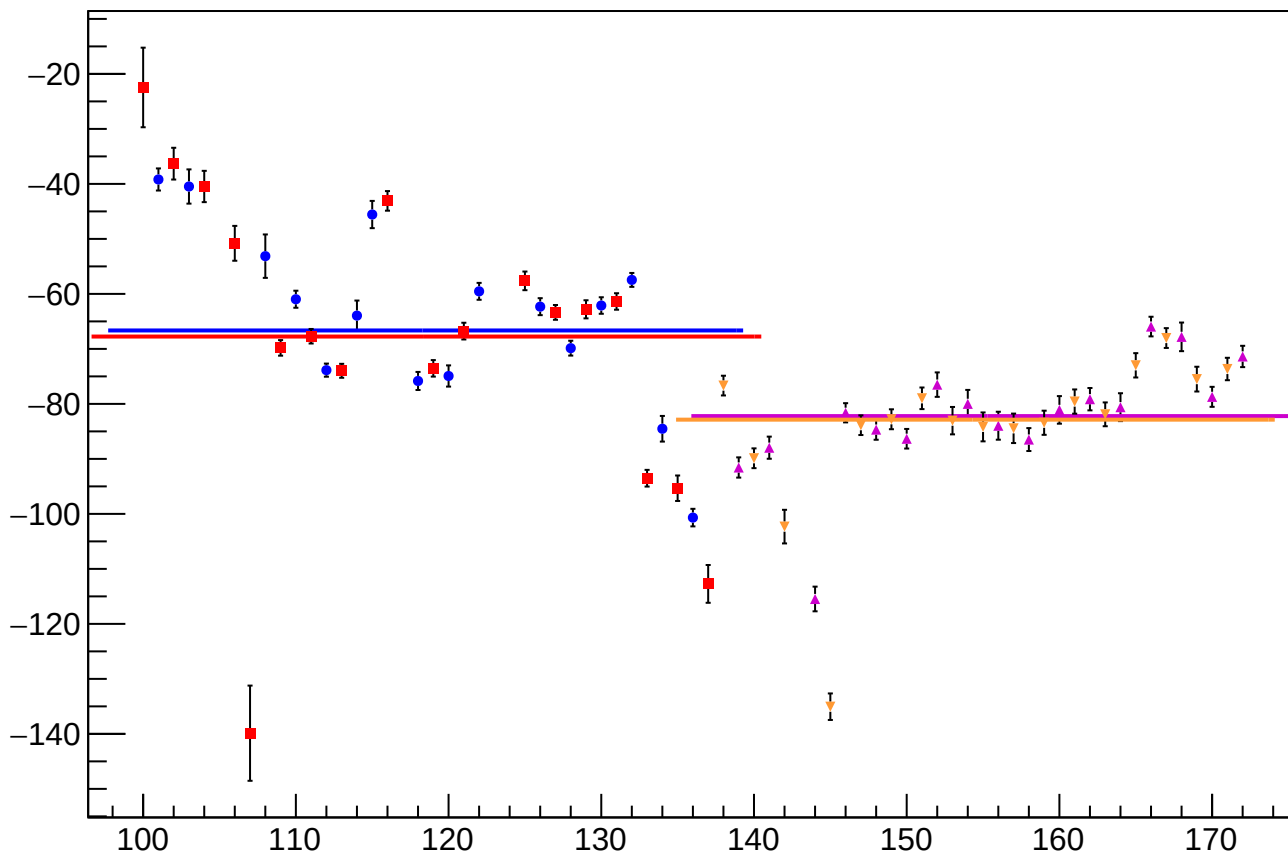
Left In: 0.228 $\pm$ 0.003 χ^2 /NDF:1910.2/16

+ sign 0.204 $\pm$ 0.002 χ^2 /NDF: 7837.8/33

All: 0.188 $\pm$ 0.002 χ^2 /NDF: 17857.5/69

- sign 0.172 $\pm$ 0.002 χ^2 /NDF: 9923.4/35

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

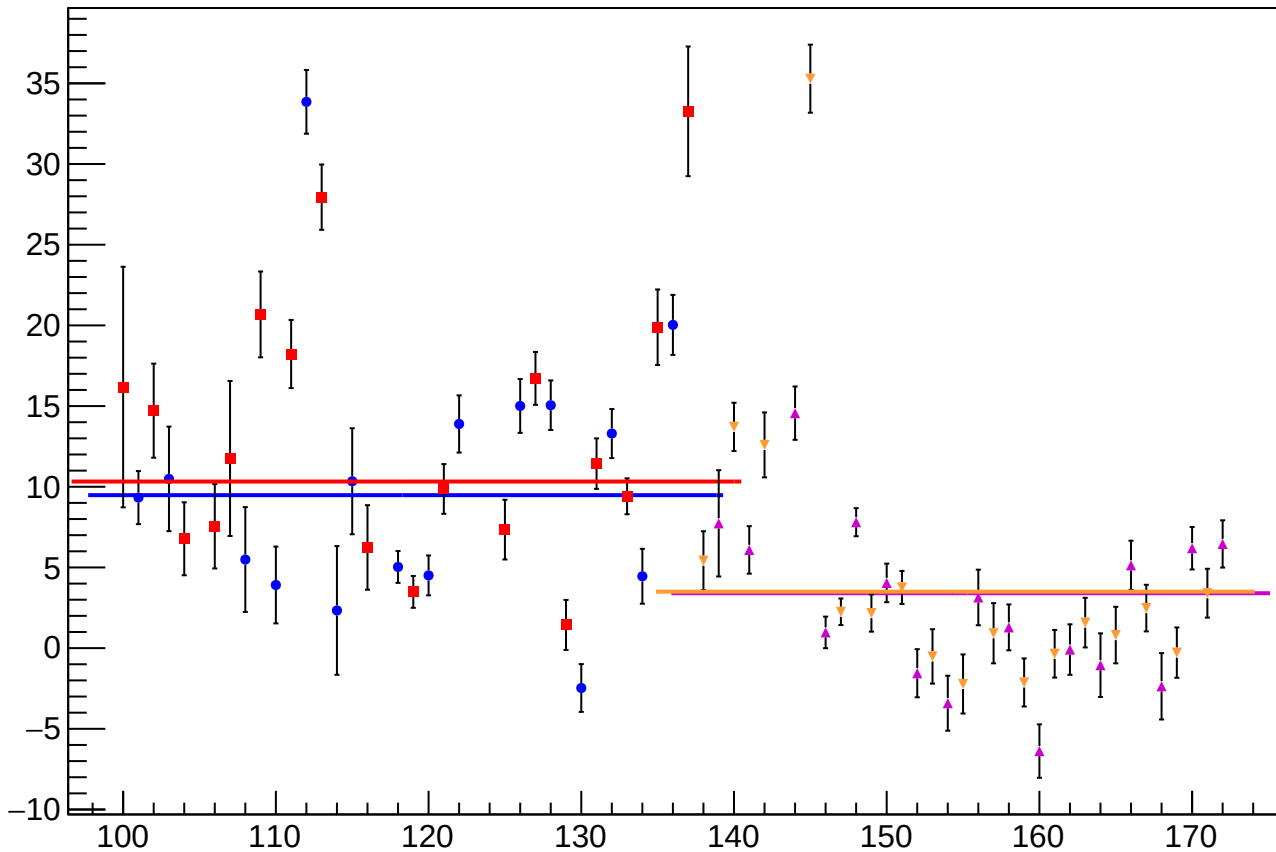
Left In: -82.219 ± 0.500 χ^2/NDF : 424.7/16

+ sign -73.269 ± 0.328 χ^2/NDF : 2306.4/32

All: -73.507 ± 0.229 χ^2/NDF : 4479.3/67

- sign -73.736 ± 0.321 χ^2/NDF : 2171.8/34

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

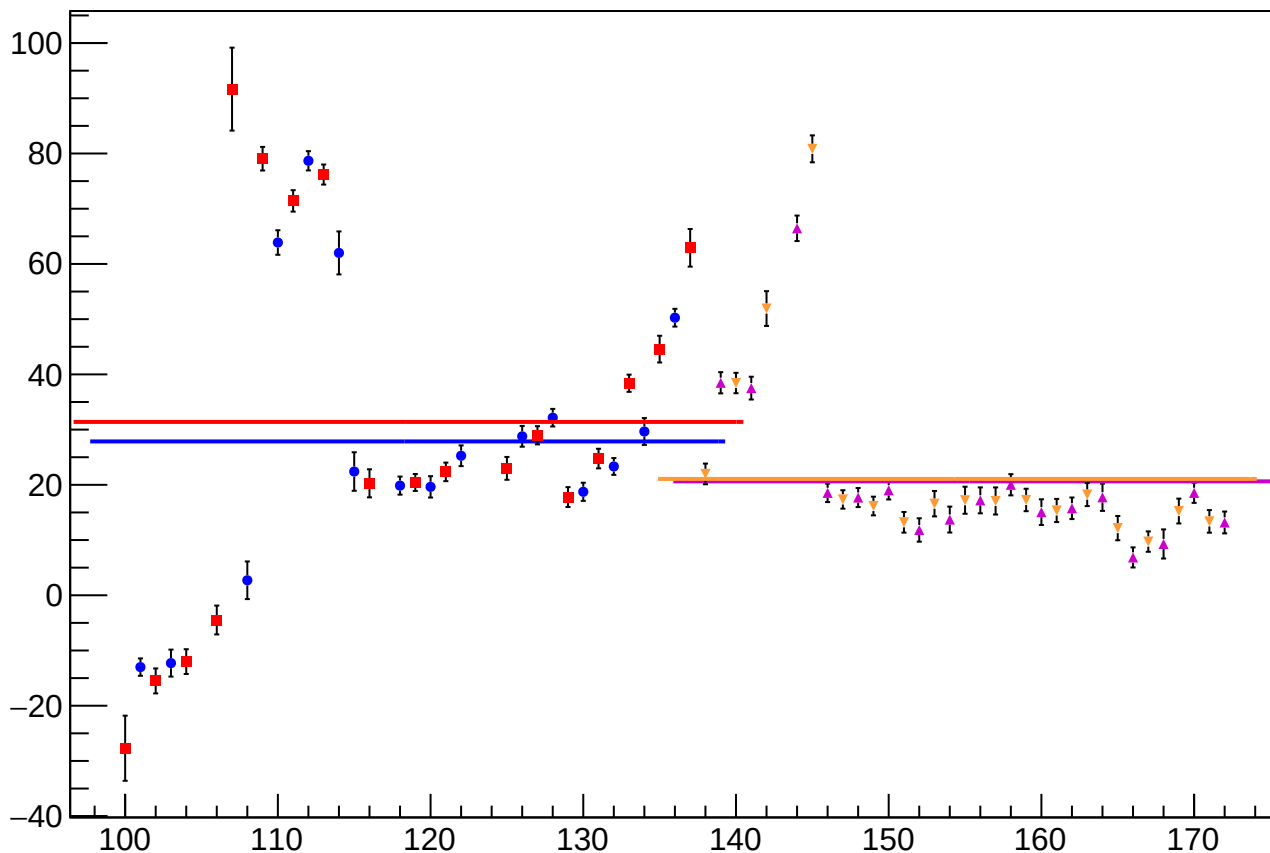
Left In: 3.402 ± 0.346 χ^2/NDF : 175.0/16

+ sign 5.867 ± 0.269 χ^2/NDF : 807.6/32

All: 5.973 ± 0.191 χ^2/NDF : 1401.1/67

- sign 6.081 ± 0.271 χ^2/NDF : 593.2/34

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 27.860 $\pm$ 0.482 χ^2 /NDF: 2474.0/15

Left Out: 21.072 $\pm$ 0.500 χ^2 /NDF: 912.1/16

Right Out: 31.394 $\pm$ 0.488 χ^2 /NDF: 3011.4/17

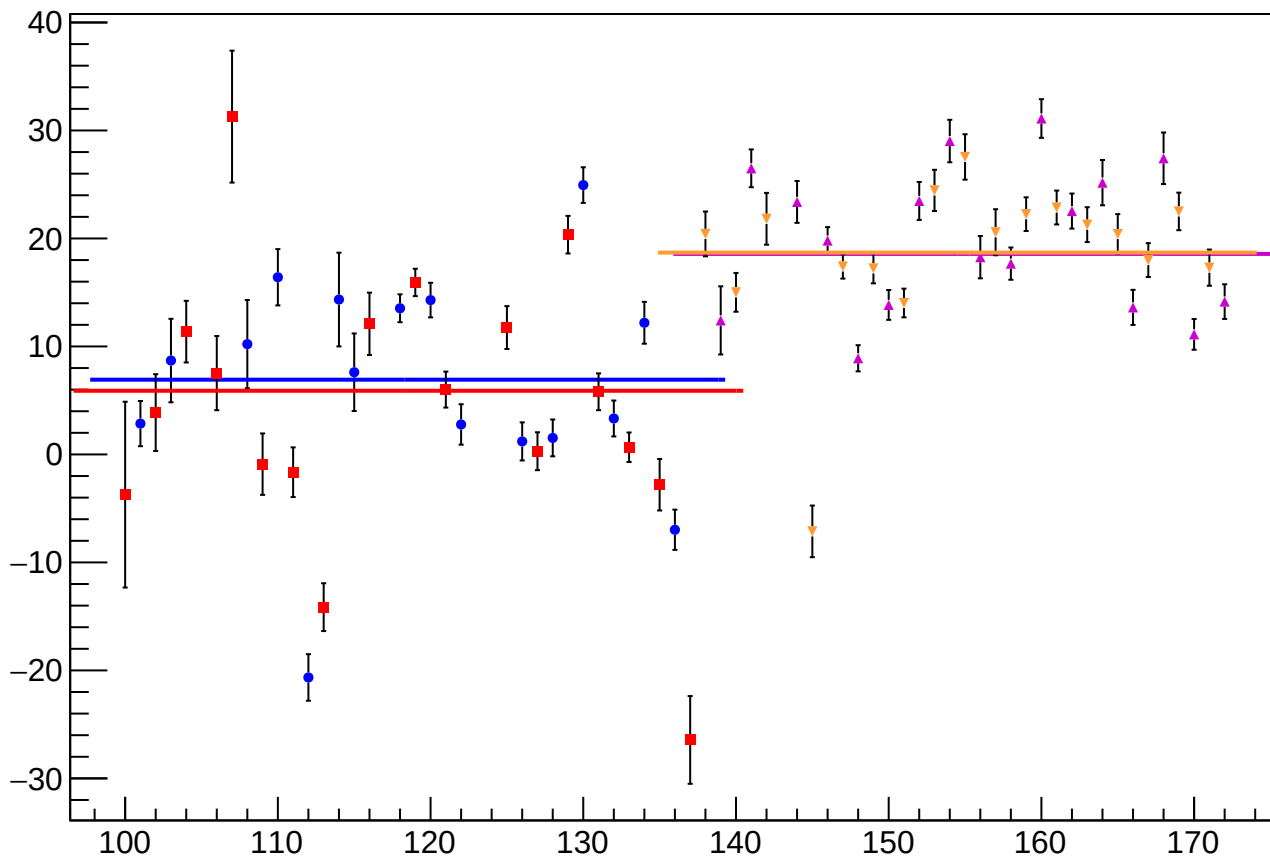
Left In: 20.627 $\pm$ 0.487 χ^2 /NDF: 685.5/16

+ sign 24.588 $\pm$ 0.347 χ^2 /NDF: 3481.5/32

All: 25.301 $\pm$ 0.245 χ^2 /NDF: 7430.9/67

- sign 26.003 $\pm$ 0.345 χ^2 /NDF: 3941.1/34

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.922 $\pm$ 0.496 χ^2 /NDF: 444.3/15

Left Out: 18.692 $\pm$ 0.406 χ^2 /NDF:187.1/16

Right Out: 5.896 $\pm$ 0.502 χ^2 /NDF: 367.7/17

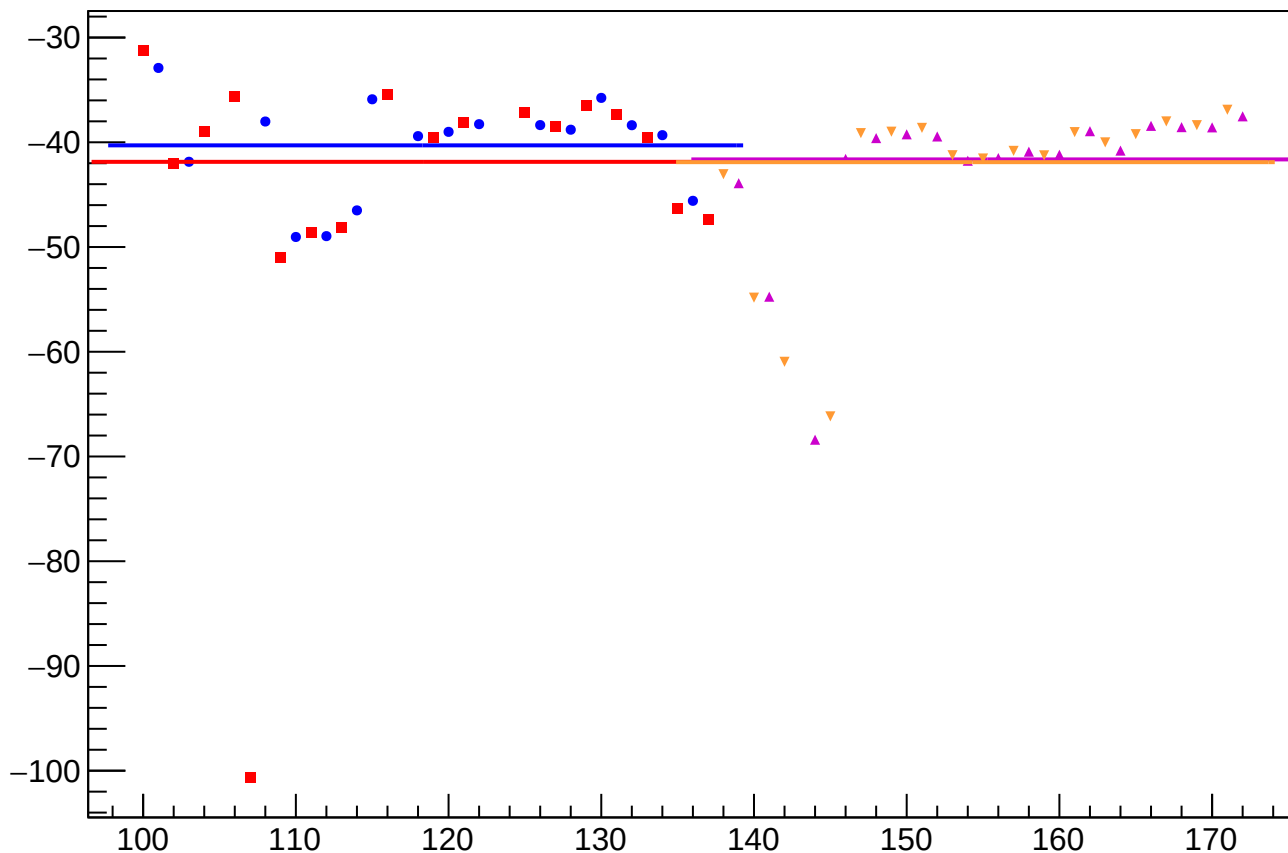
Left In: 18.569 $\pm$ 0.402 χ^2 /NDF:266.0/16

+ sign 13.968 $\pm$ 0.314 χ^2 /NDF: 969.2/32

All: 13.791 $\pm$ 0.222 χ^2 /NDF: 1992.0/67

- sign 13.613 $\pm$ 0.314 χ^2 /NDF: 1022.2/34

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

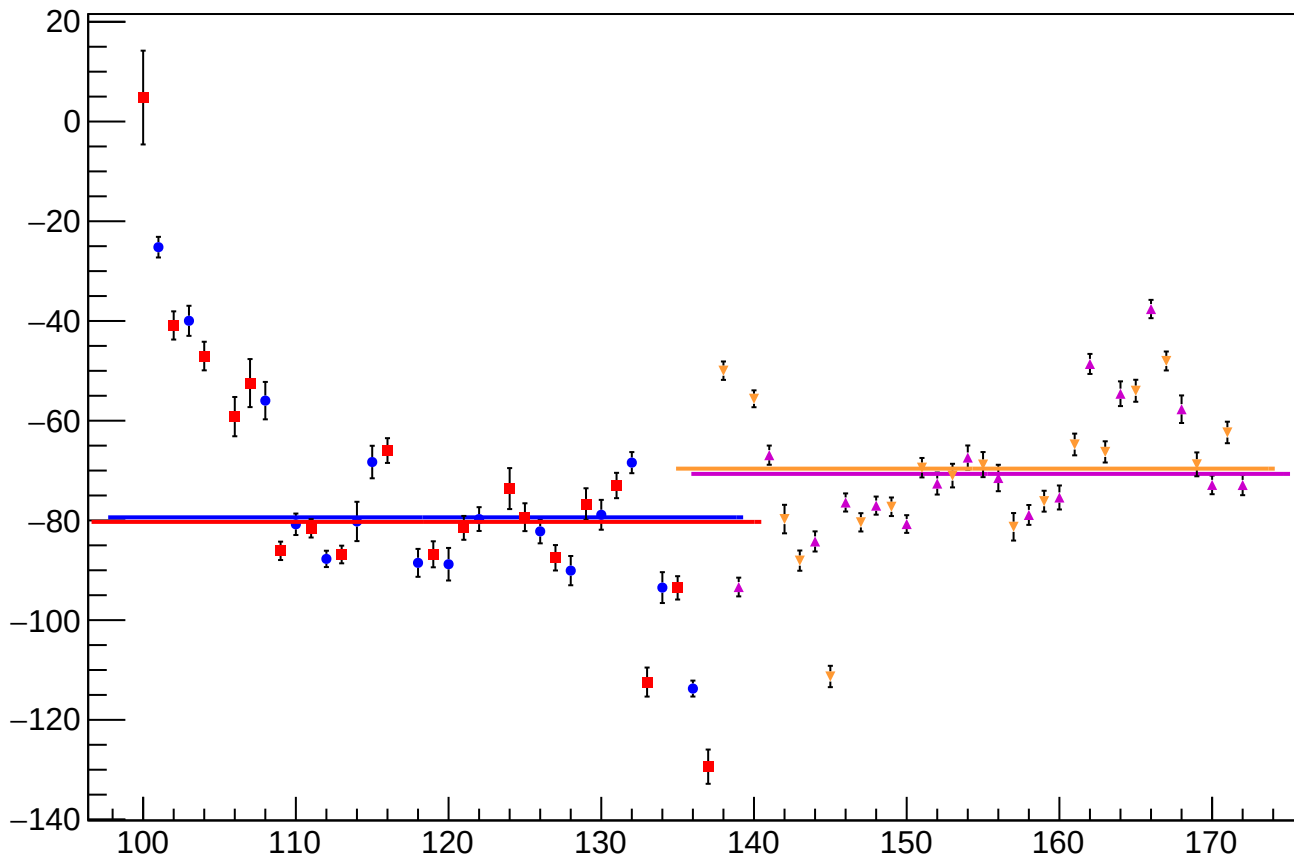
Left In: -41.635 ± 0.018 χ^2/NDF : 105391.1/16

+ sign -41.473 ± 0.016 χ^2/NDF : 151949.8/32

All: -41.585 ± 0.011 χ^2/NDF : 316208.4/67

- sign -41.692 ± 0.016 χ^2/NDF : 164165.4/34

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

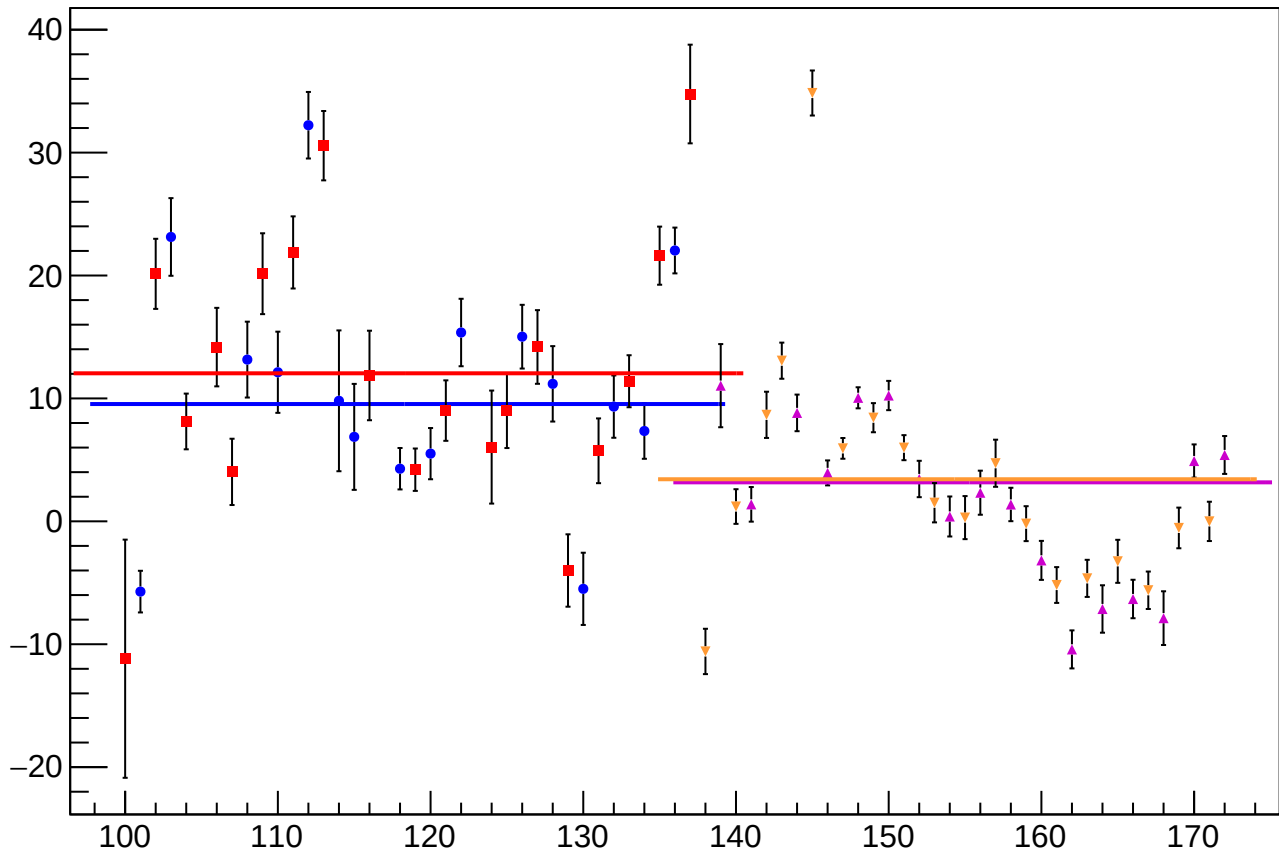
Left In: -70.669 ± 0.498 χ^2/NDF : 784.2/16

+ sign -73.488 ± 0.385 χ^2/NDF : 2564.1/33

All: -74.028 ± 0.272 χ^2/NDF : 4417.9/69

- sign -74.566 ± 0.384 χ^2/NDF : 1850.0/35

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

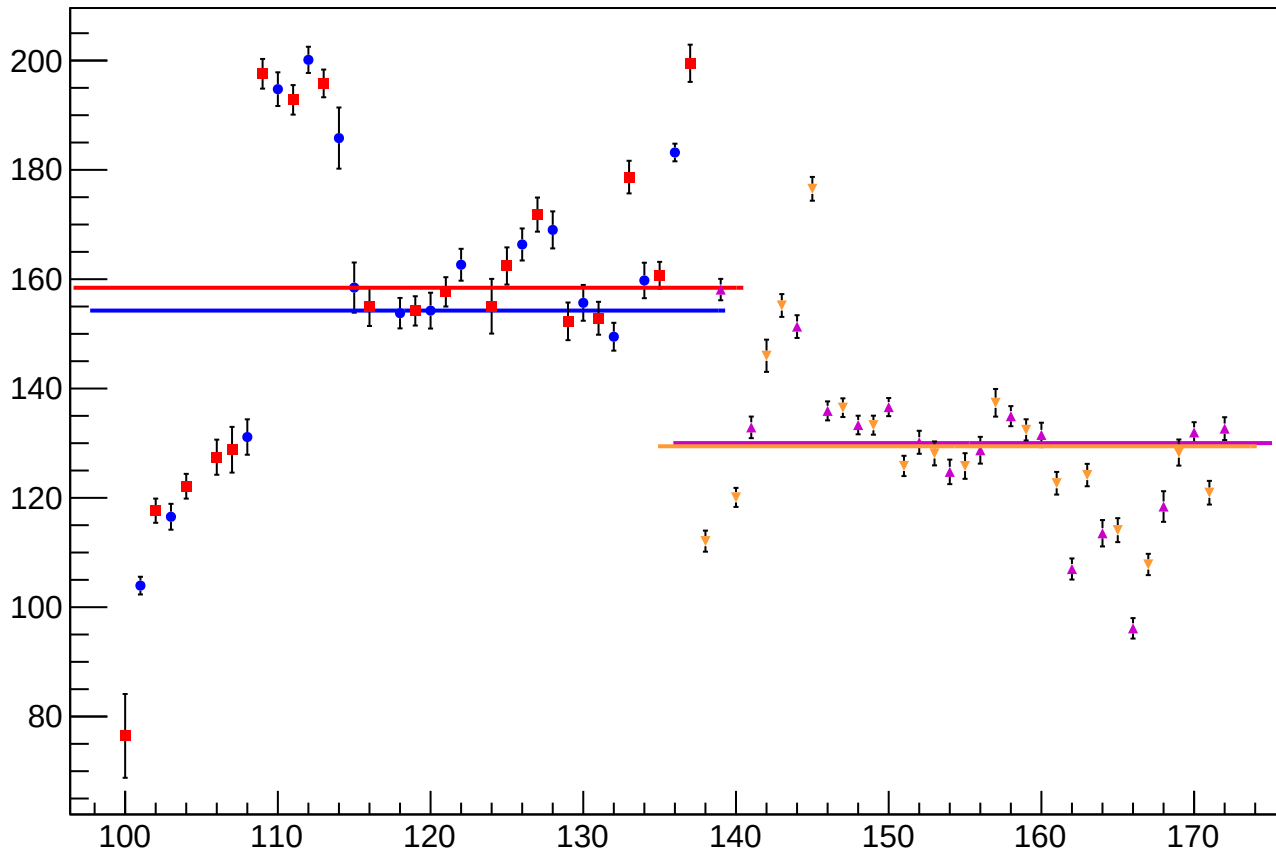
Left In: 3.172 ± 0.344 χ^2/NDF : 314.5/16

+ sign 4.811 ± 0.296 χ^2/NDF : 915.4/33

All: 4.990 ± 0.212 χ^2/NDF : 1576.7/69

- sign 5.178 ± 0.303 χ^2/NDF : 660.5/35

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

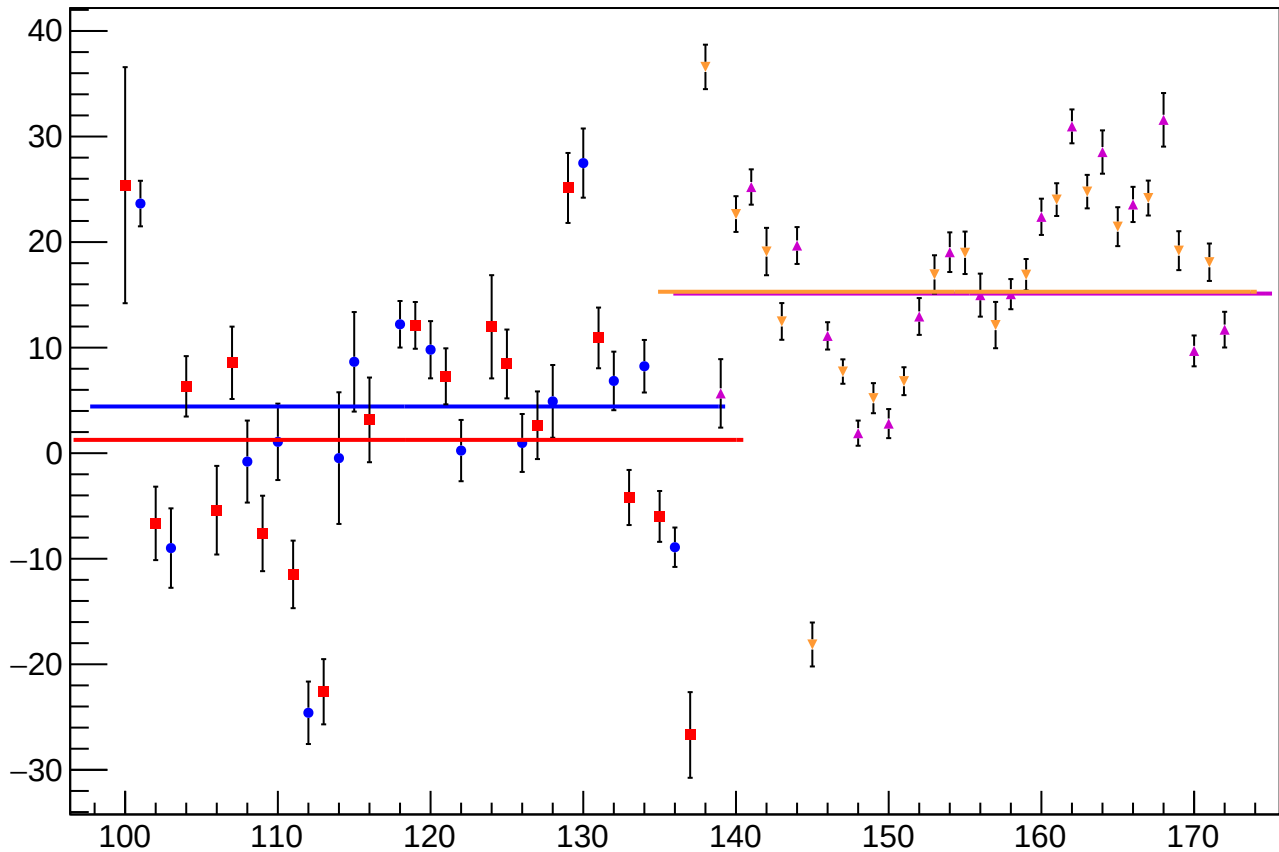
Left In: 130.019 ± 0.485 χ^2/NDF : 894.0/16

+ sign 138.099 ± 0.391 χ^2/NDF : 4137.2/33

All: 138.821 ± 0.278 χ^2/NDF : 7853.5/69

- sign 139.560 ± 0.396 χ^2/NDF : 3709.4/35

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

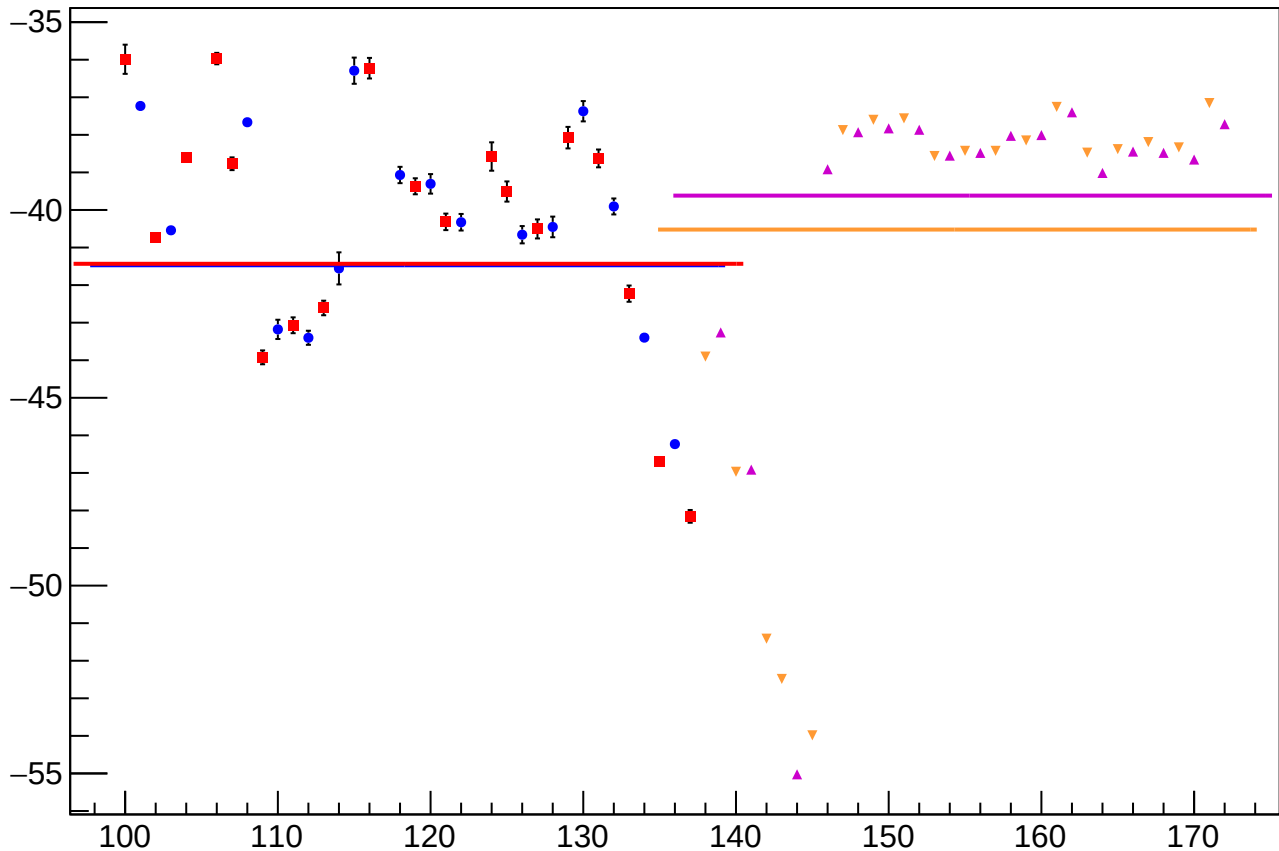
Left In: 15.121 ± 0.400 χ^2/NDF : 513.8/16

+ sign 12.757 ± 0.345 χ^2/NDF : 1133.7/33

All: 12.351 ± 0.246 χ^2/NDF : 2191.5/69

- sign 11.930 ± 0.351 χ^2/NDF : 1055.0/35

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.472 ± 0.038 $\chi^2/\text{NDF}: 7912.0/15$

Left Out: -40.521 ± 0.018 $\chi^2/\text{NDF}: 75422.5/17$

Right Out: -41.433 ± 0.040 $\chi^2/\text{NDF}: 8225.4/18$

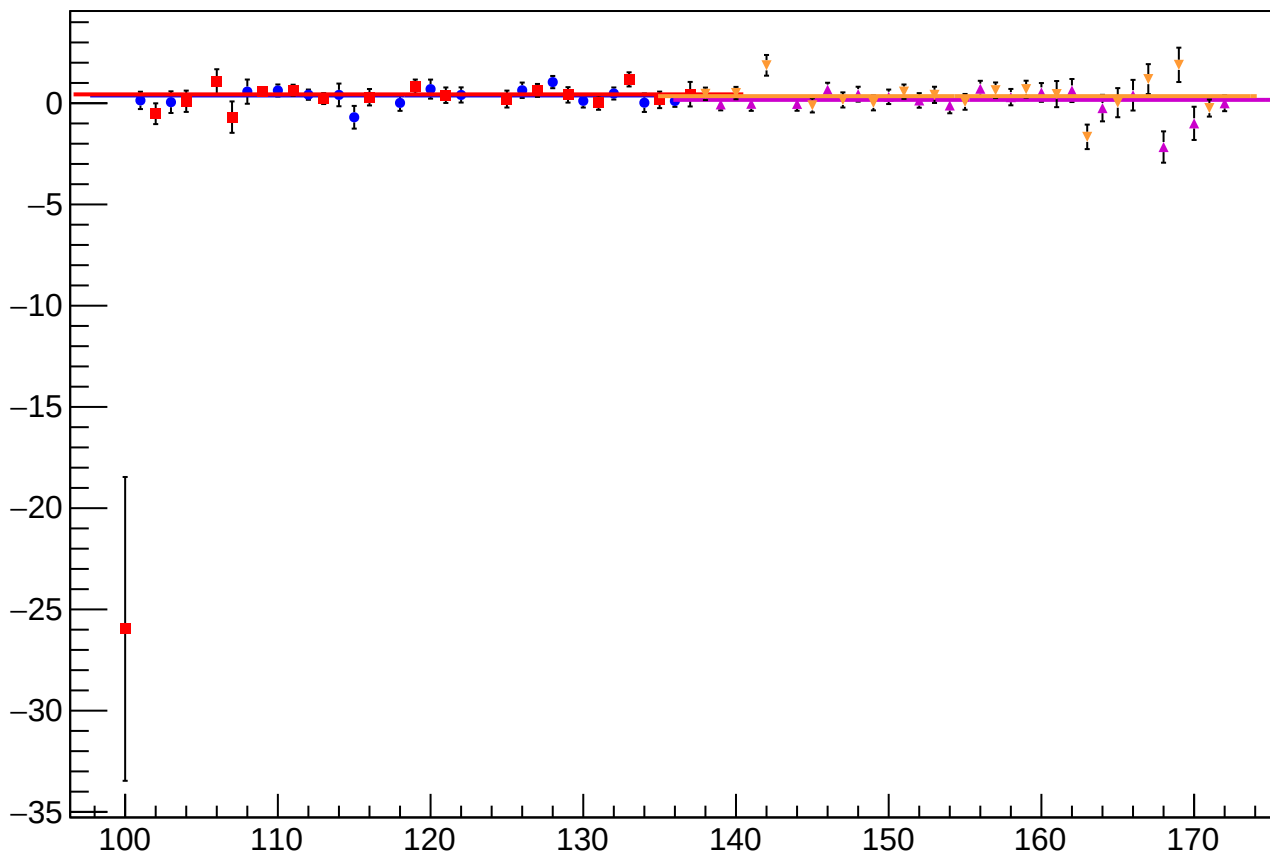
Left In: -39.618 ± 0.018 $\chi^2/\text{NDF}: 43914.6/16$

+ sign -40.700 ± 0.017 $\chi^2/\text{NDF}: 83839.4/33$

All: -40.317 ± 0.012 $\chi^2/\text{NDF}: 138795.1/69$

- sign -39.935 ± 0.017 $\chi^2/\text{NDF}: 53881.6/35$

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

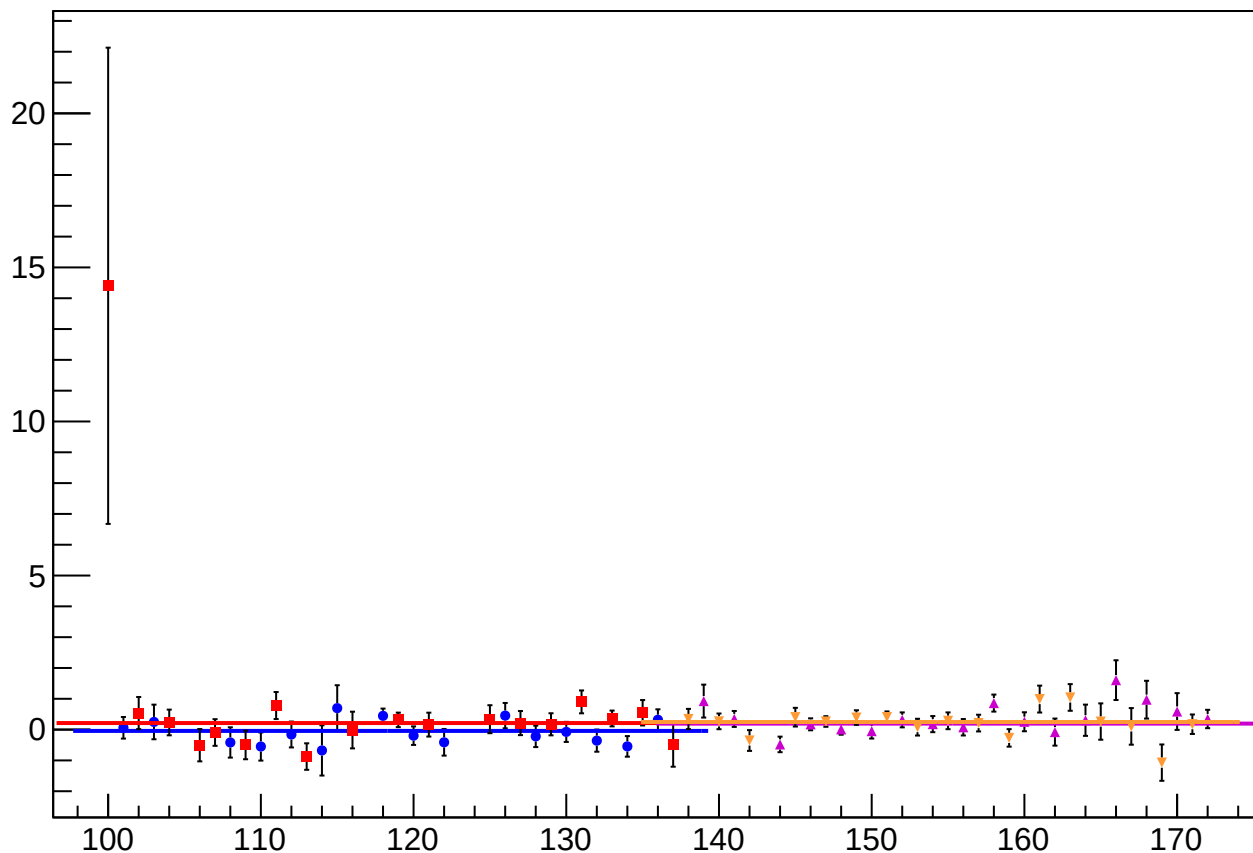
Left In: 0.165 ± 0.100 χ^2/NDF : 19.8/16

+ sign 0.367 ± 0.068 χ^2/NDF : 46.0/32

All: 0.340 ± 0.048 χ^2/NDF : 99.2/67

- sign 0.314 ± 0.067 χ^2/NDF : 52.8/34

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

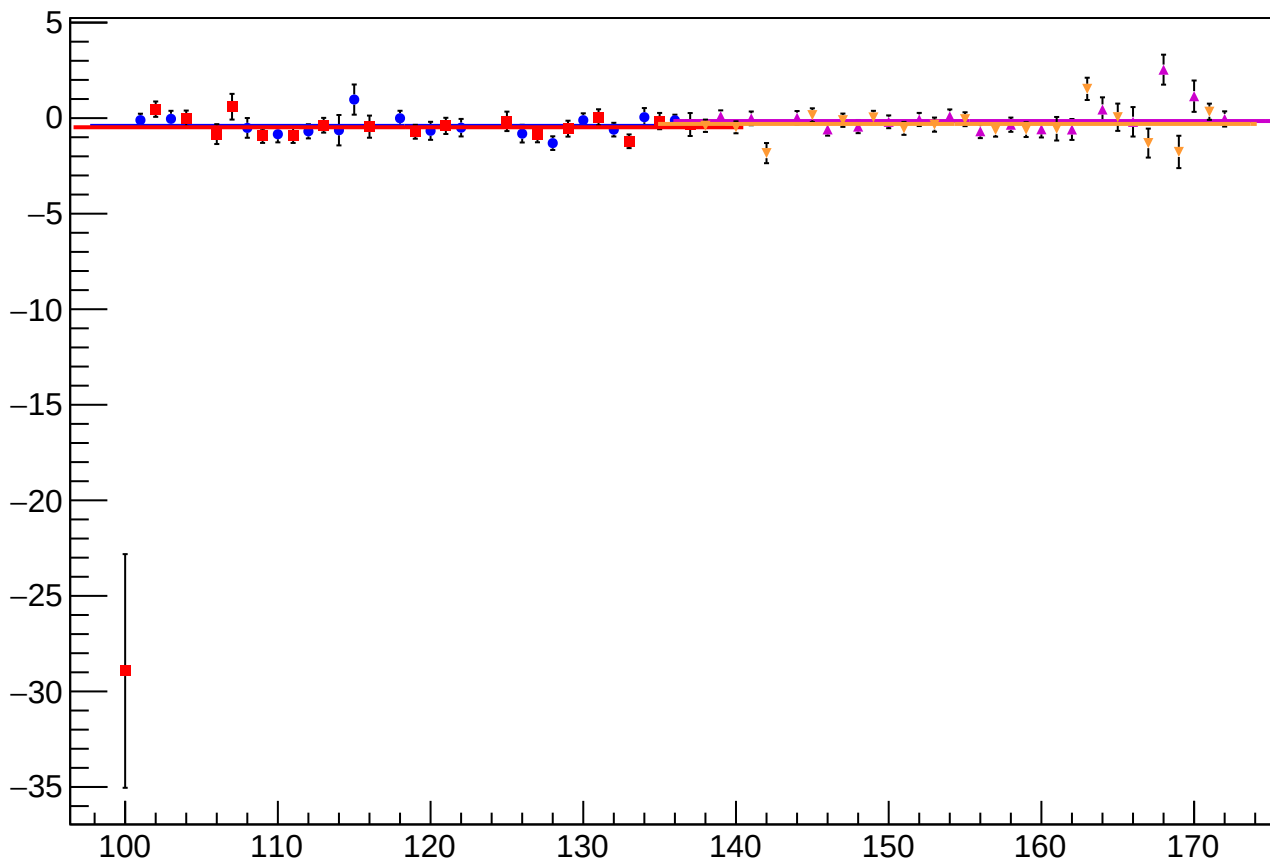
Left In: 0.194+/-0.069 χ^2/NDF :25.4/16

+ sign 0.145+/-0.056 χ^2/NDF : 40.9/32

All: 0.173+/-0.040 χ^2/NDF : 89.2/67

- sign 0.201+/-0.056 χ^2/NDF : 47.8/34

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

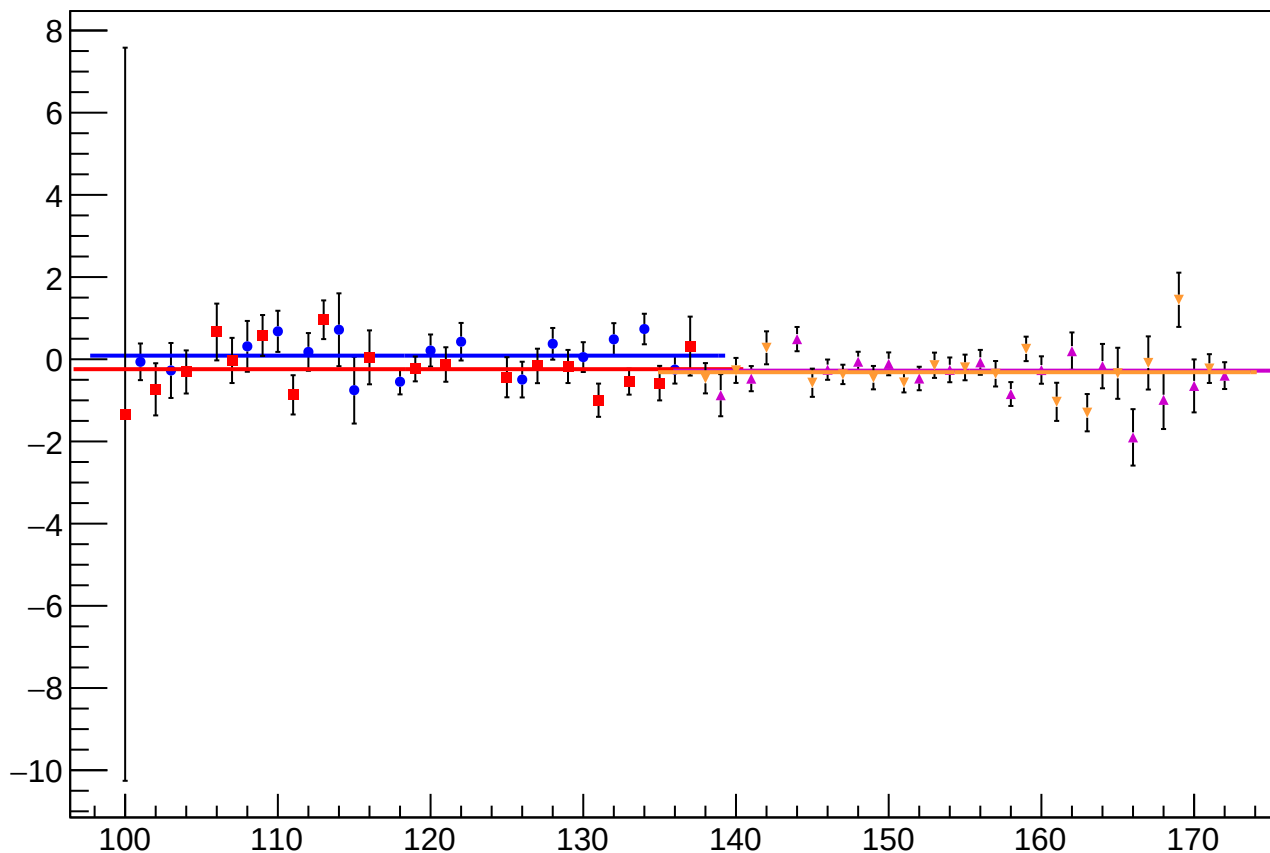
Left In: -0.152 ± 0.097 χ^2/NDF : 23.4/16

+ sign -0.353 ± 0.071 χ^2/NDF : 49.7/32

All: -0.328 ± 0.050 χ^2/NDF : 120.8/67

- sign -0.303 ± 0.071 χ^2/NDF : 70.9/34

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

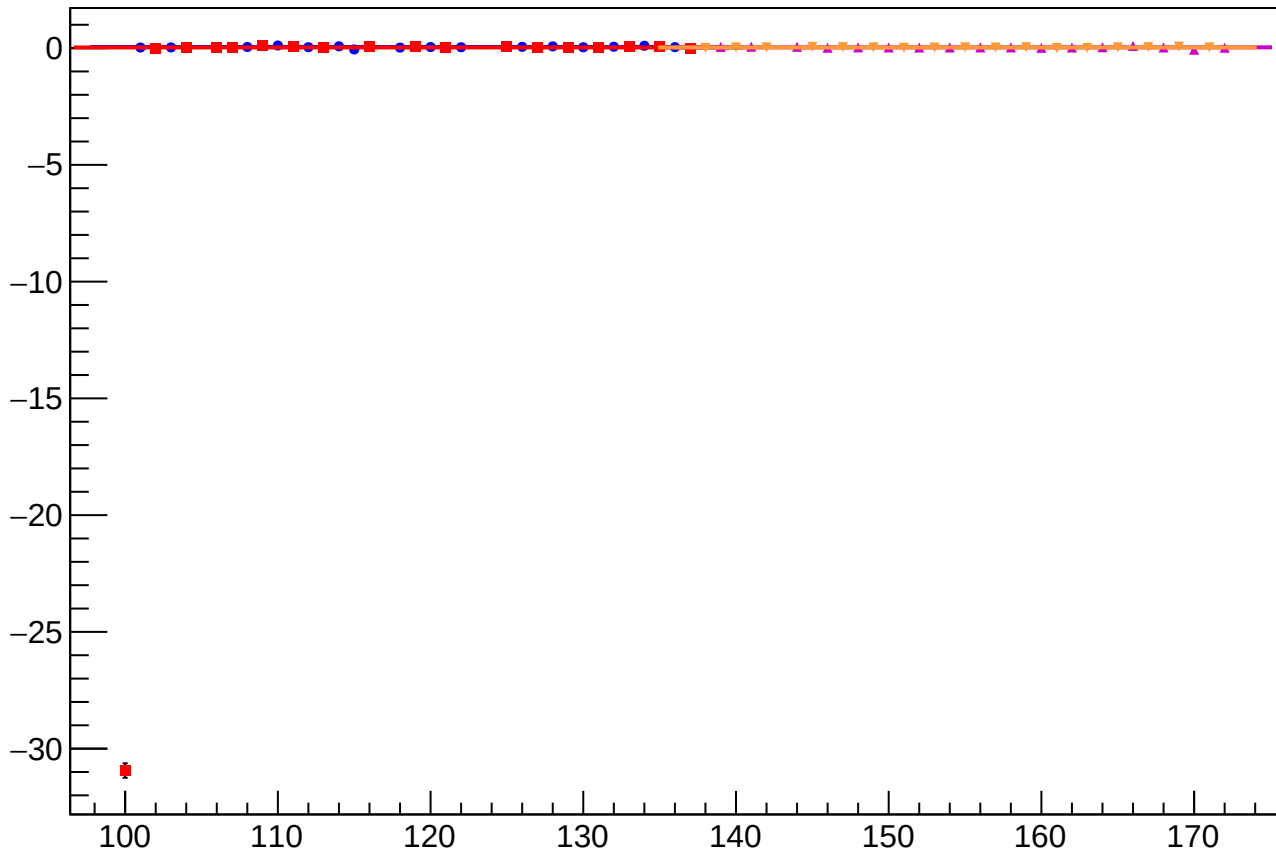
Left In: -0.277 ± 0.081 χ^2/NDF : 22.6/16

+ sign -0.167 ± 0.065 χ^2/NDF : 47.4/32

All: -0.216 ± 0.046 χ^2/NDF : 90.8/67

- sign -0.265 ± 0.065 χ^2/NDF : 42.3/34

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049 $\pm$ 0.006 χ^2 /NDF: 19.2/15

Left Out: 0.028 $\pm$ 0.004 χ^2 /NDF:12.0/16

Right Out: 0.028 $\pm$ 0.006 χ^2 /NDF: 10020.9/17

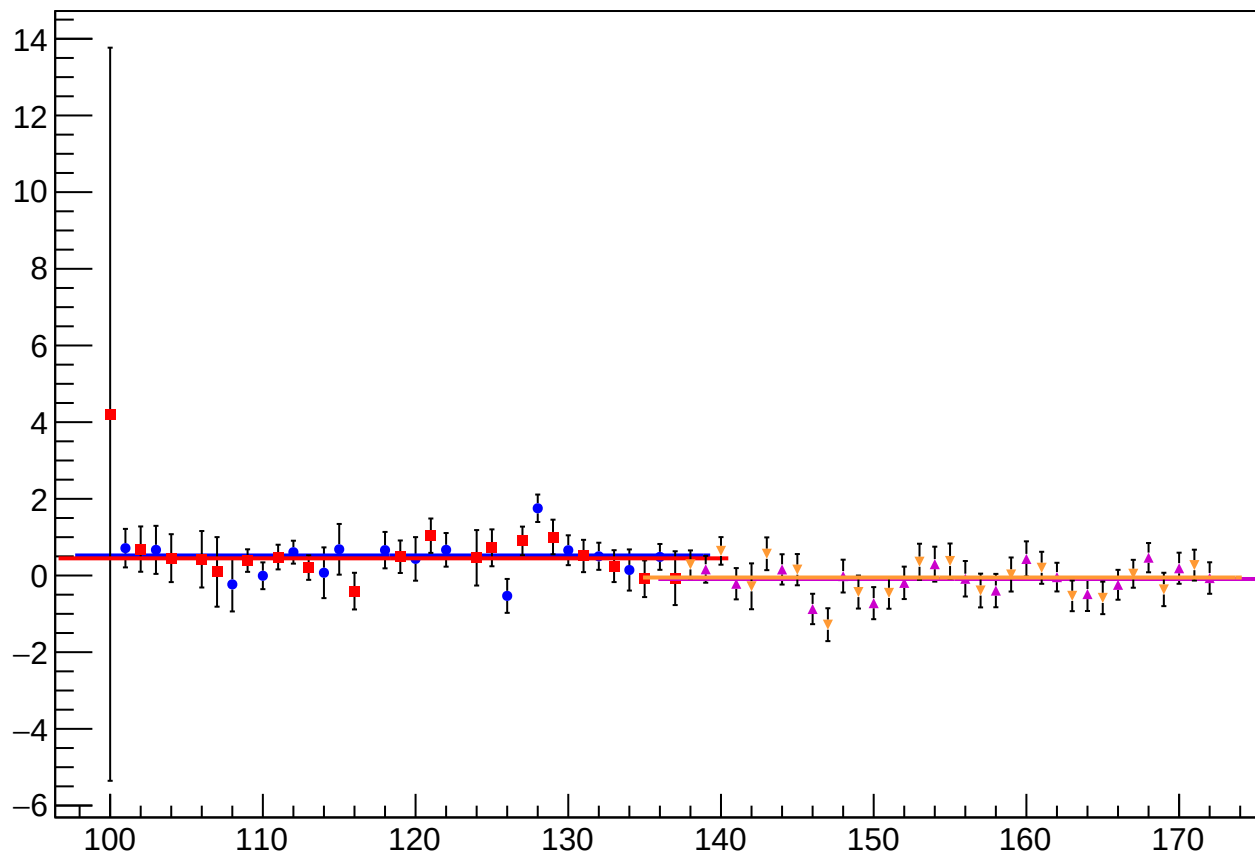
Left In: 0.033 $\pm$ 0.004 χ^2 /NDF:30.3/16

+ sign 0.033 $\pm$ 0.003 χ^2 /NDF: 39.2/32

All: 0.032 $\pm$ 0.002 χ^2 /NDF: 10091.0/67

- sign 0.032 $\pm$ 0.003 χ^2 /NDF: 10051.6/34

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

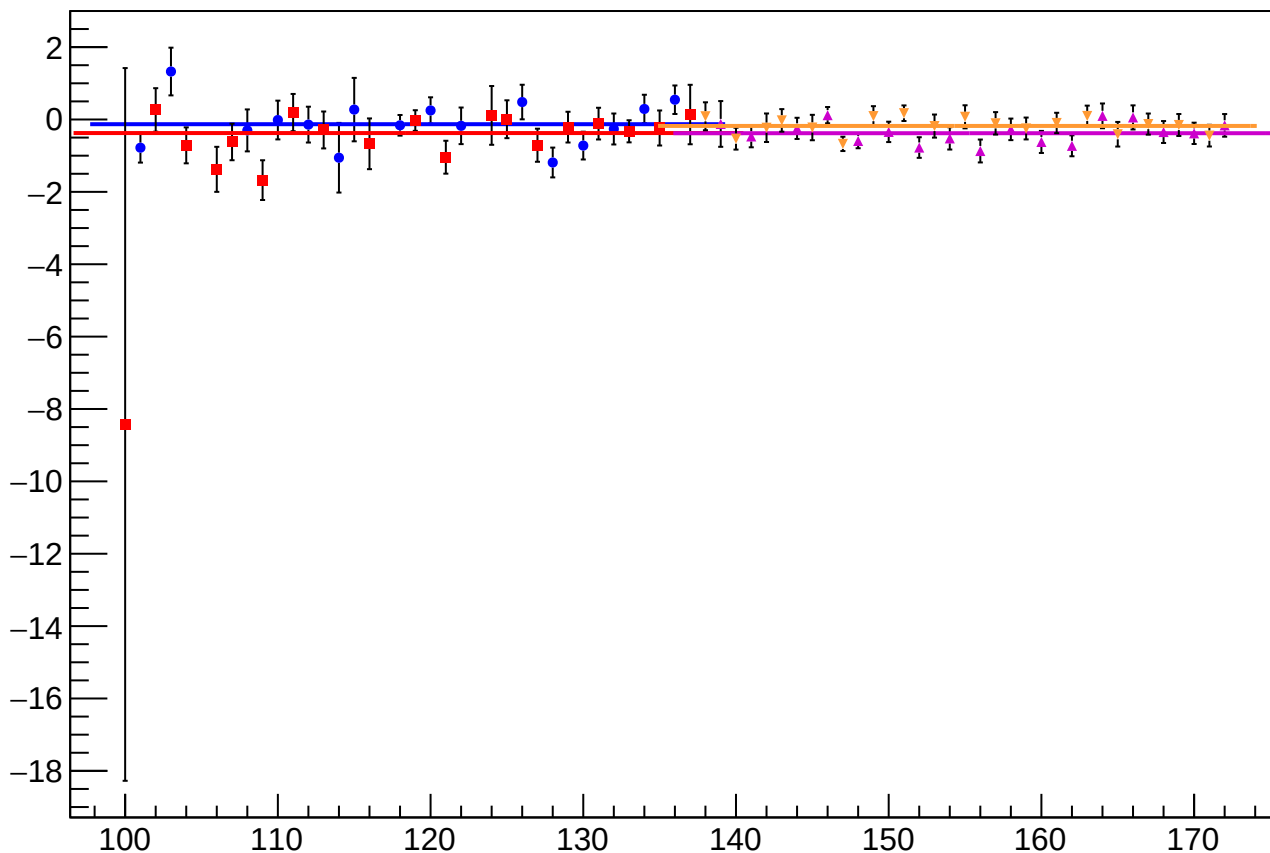
Left In: -0.091 ± 0.100 χ^2/NDF : 13.3/16

+ sign 0.208 ± 0.073 χ^2/NDF : 61.9/33

All: 0.186 ± 0.051 χ^2/NDF : 100.7/69

- sign 0.164 ± 0.072 χ^2/NDF : 38.6/35

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

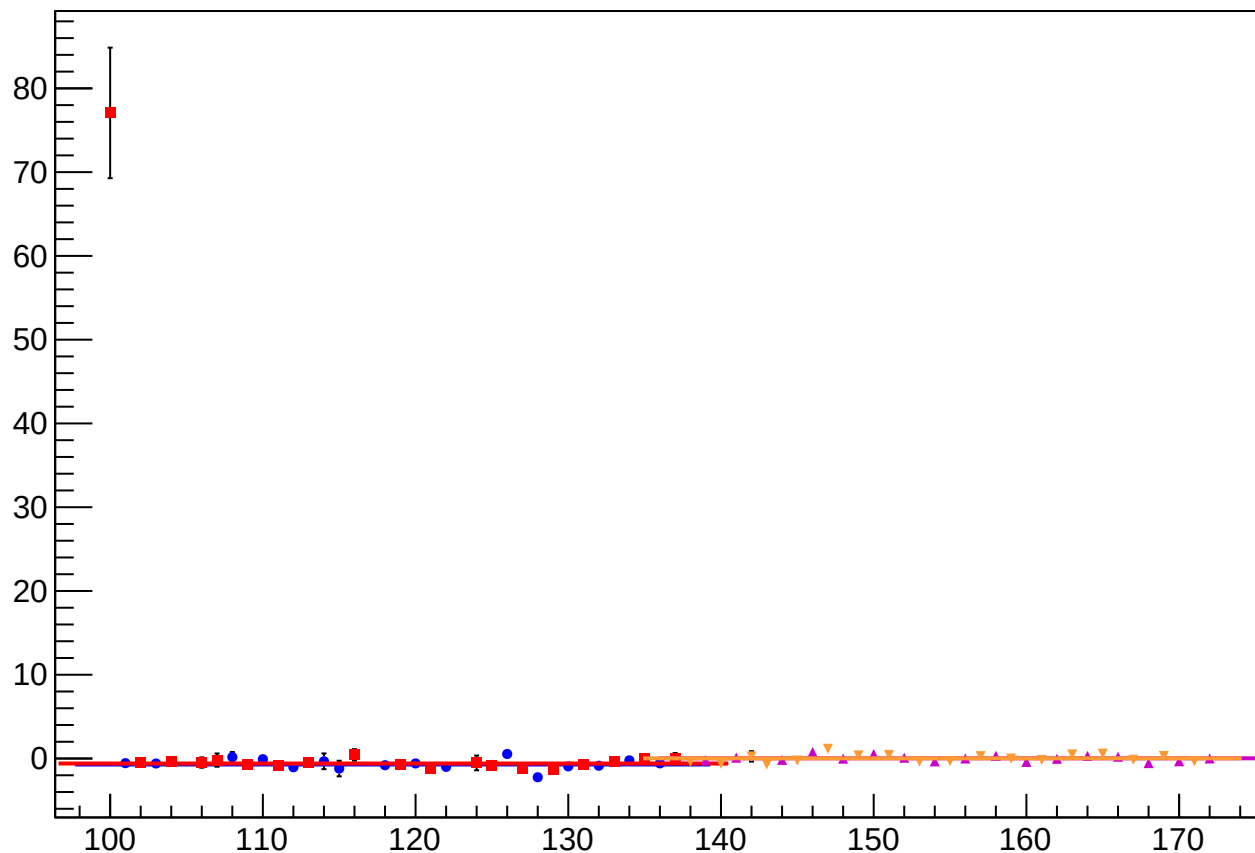
Left In: -0.379 ± 0.071 χ^2/NDF : 17.5/16

+ sign -0.165 ± 0.059 χ^2/NDF : 39.8/33

All: -0.269 ± 0.042 χ^2/NDF : 81.9/69

- sign -0.378 ± 0.060 χ^2/NDF : 35.7/35

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

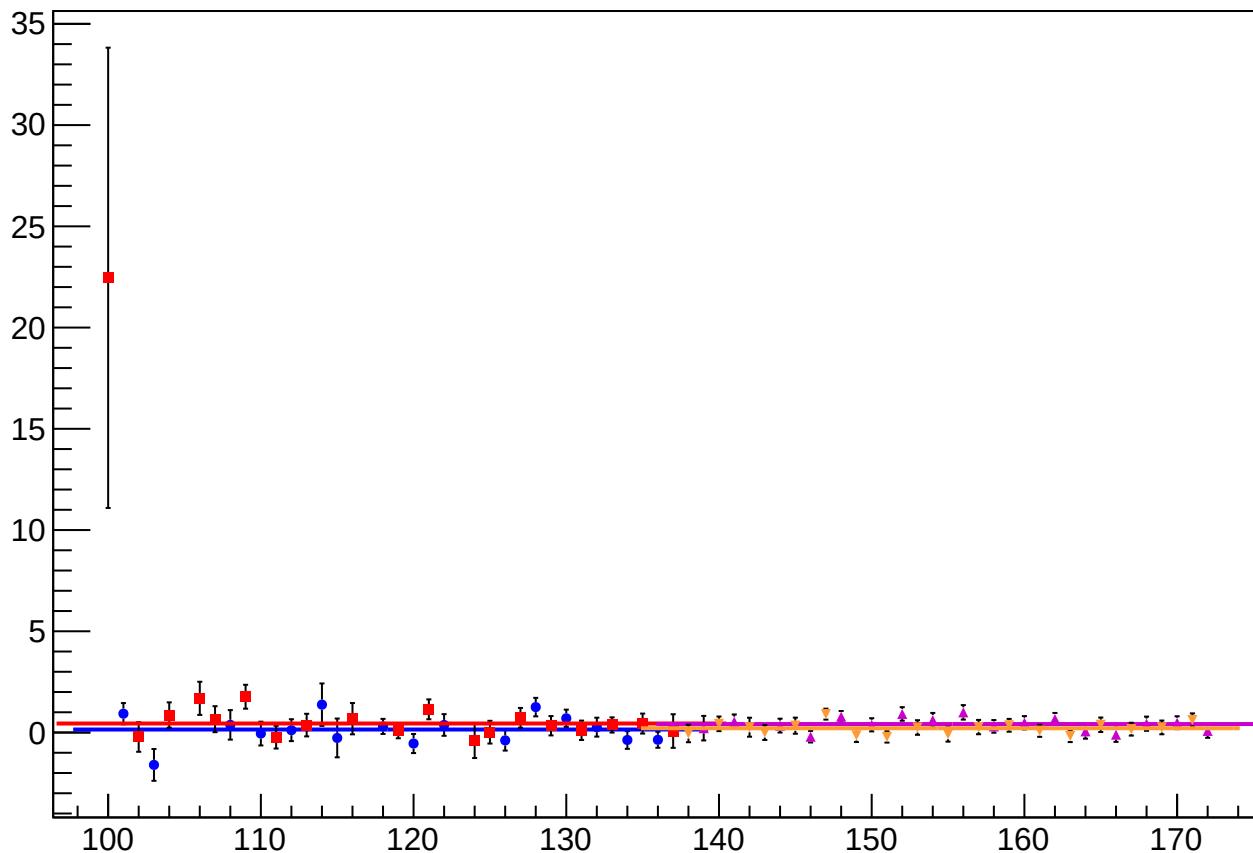
Left In: 0.027 ± 0.097 χ^2/NDF : 12.1/16

+ sign -0.263 ± 0.076 χ^2/NDF : 71.2/33

All: -0.240 ± 0.054 χ^2/NDF : 210.6/69

- sign -0.216 ± 0.076 χ^2/NDF : 139.1/35

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.148 $\pm$ 0.128 χ^2 /NDF: 23.3/15

Left Out: 0.210 $\pm$ 0.080 χ^2 /NDF:15.7/17

Right Out: 0.445 $\pm$ 0.128 χ^2 /NDF: 19.7/18

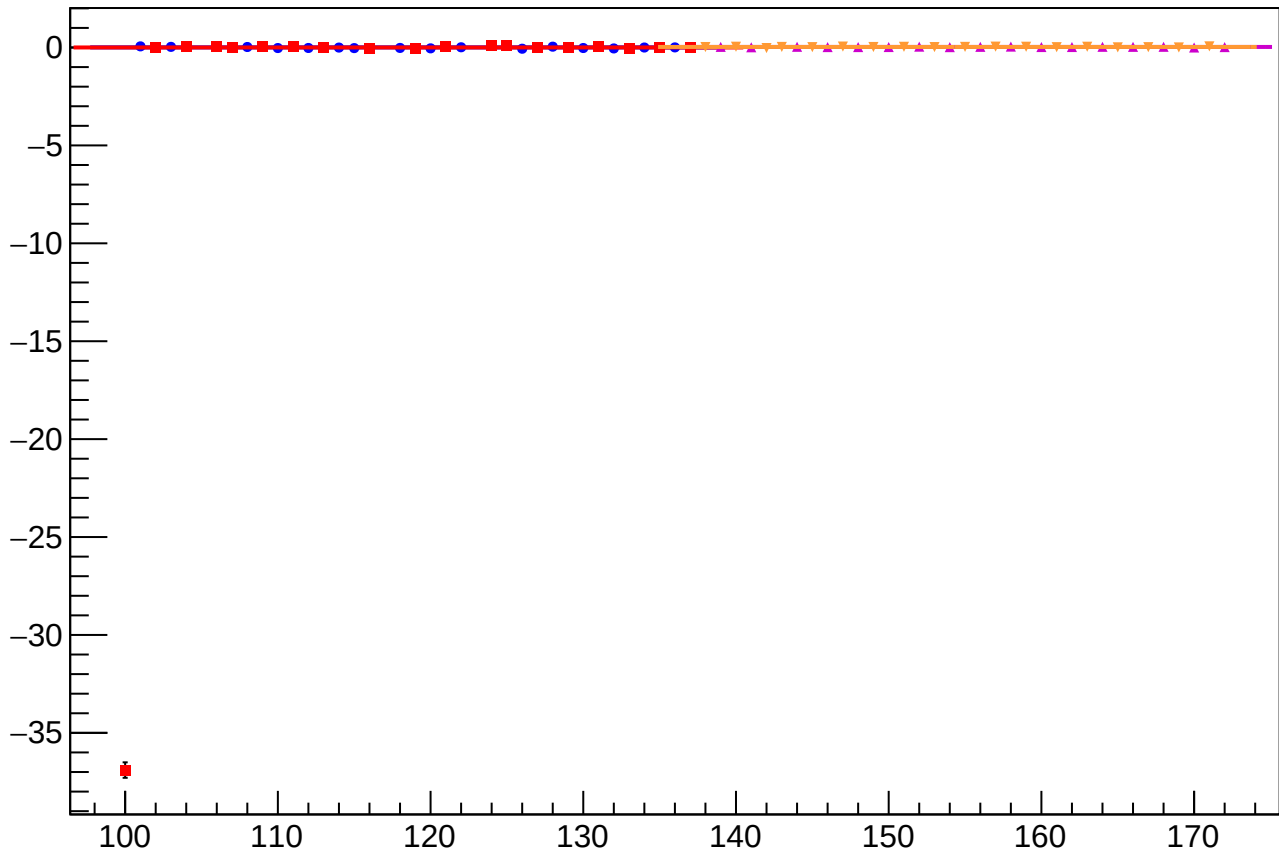
Left In: 0.418 $\pm$ 0.081 χ^2 /NDF:16.9/16

+ sign 0.193 $\pm$ 0.068 χ^2 /NDF: 39.1/33

All: 0.307 $\pm$ 0.048 χ^2 /NDF: 81.6/69

- sign 0.426 $\pm$ 0.069 χ^2 /NDF: 36.7/35

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.006 $\pm$ 0.007 χ^2 /NDF: 17.6/15

Left Out: 0.028 $\pm$ 0.004 χ^2 /NDF: 20.7/17

Right Out: 0.002 $\pm$ 0.007 χ^2 /NDF: 8753.3/18

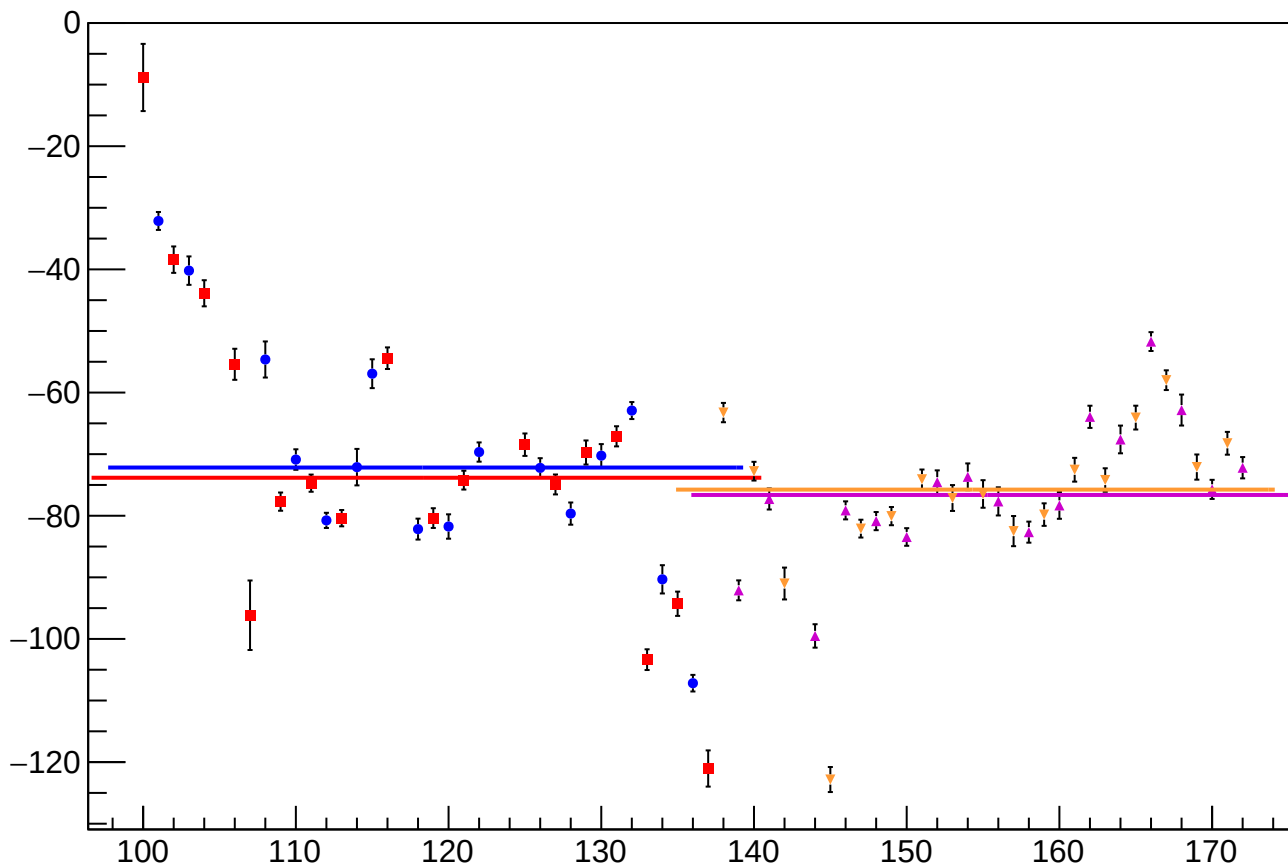
Left In: 0.029 $\pm$ 0.004 χ^2 /NDF: 10.3/16

+ sign 0.024 $\pm$ 0.003 χ^2 /NDF: 45.5/33

All: 0.024 $\pm$ 0.002 χ^2 /NDF: 8819.4/69

- sign 0.024 $\pm$ 0.003 χ^2 /NDF: 8773.8/35

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

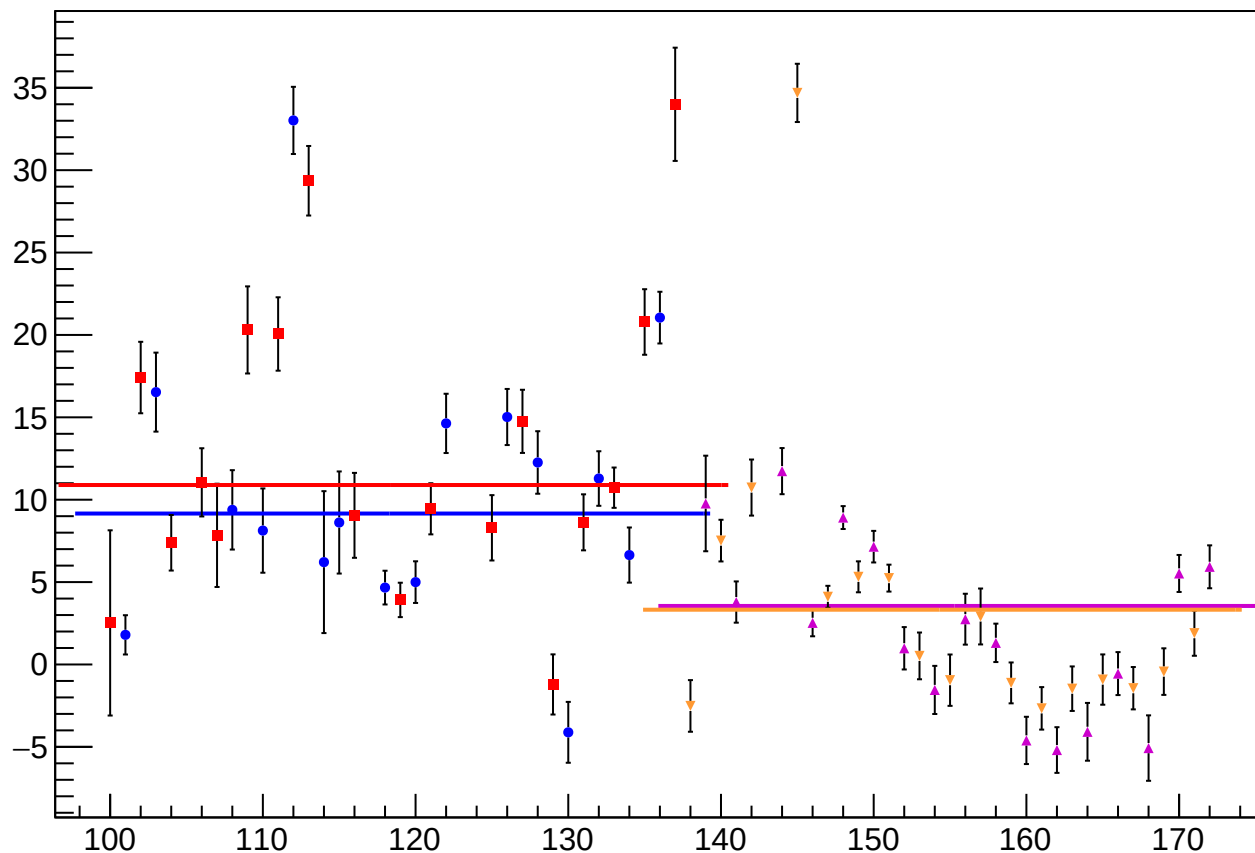
Left In: -76.624 ± 0.427 χ^2/NDF : 654.3/16

+ sign -73.936 ± 0.308 χ^2/NDF : 2833.0/32

All: -74.597 ± 0.216 χ^2/NDF : 5075.3/67

- sign -75.239 ± 0.303 χ^2/NDF : 2233.3/34

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

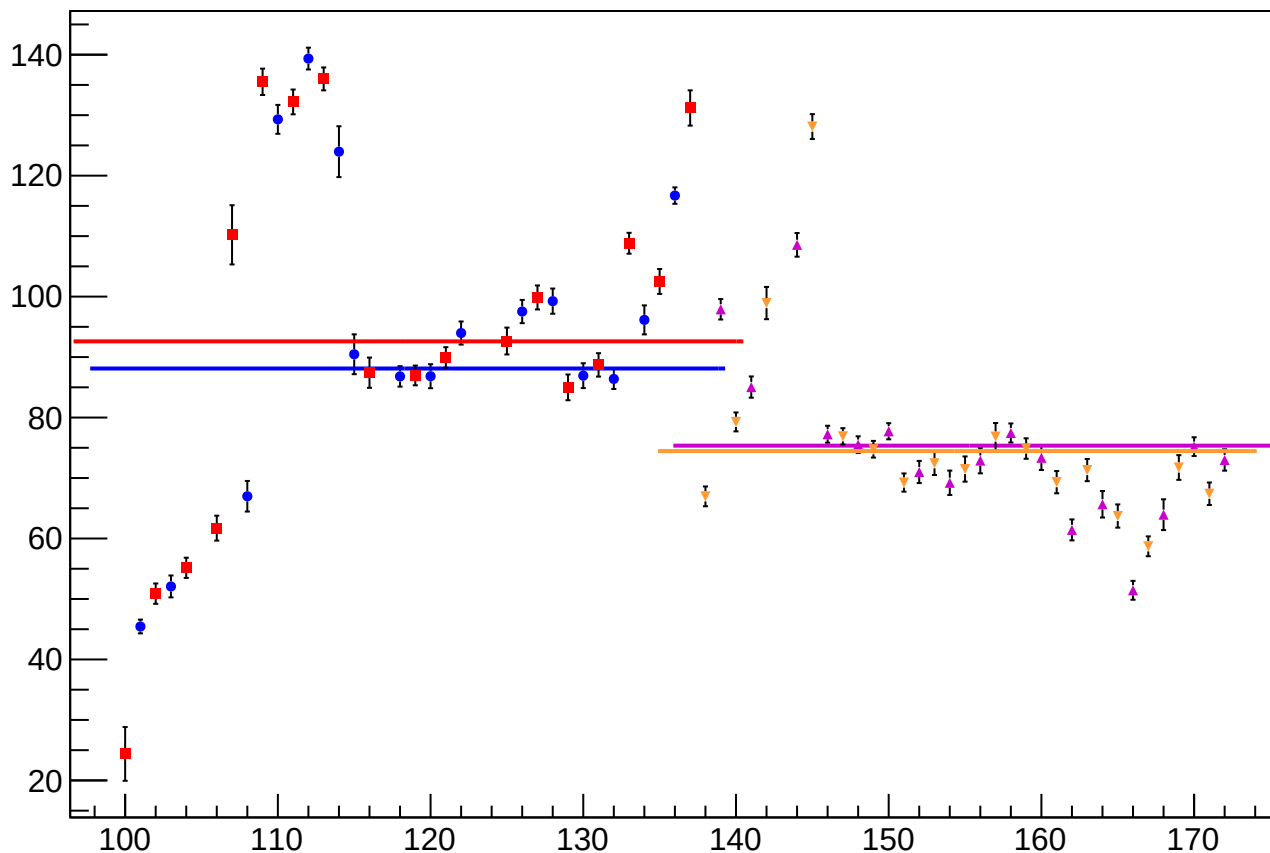
Left In: 3.552 ± 0.292 χ^2/NDF : 260.6/16

+ sign 5.197 ± 0.241 χ^2/NDF : 938.3/32

All: 5.494 ± 0.171 χ^2/NDF : 1685.2/67

- sign 5.797 ± 0.243 χ^2/NDF : 743.8/34

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

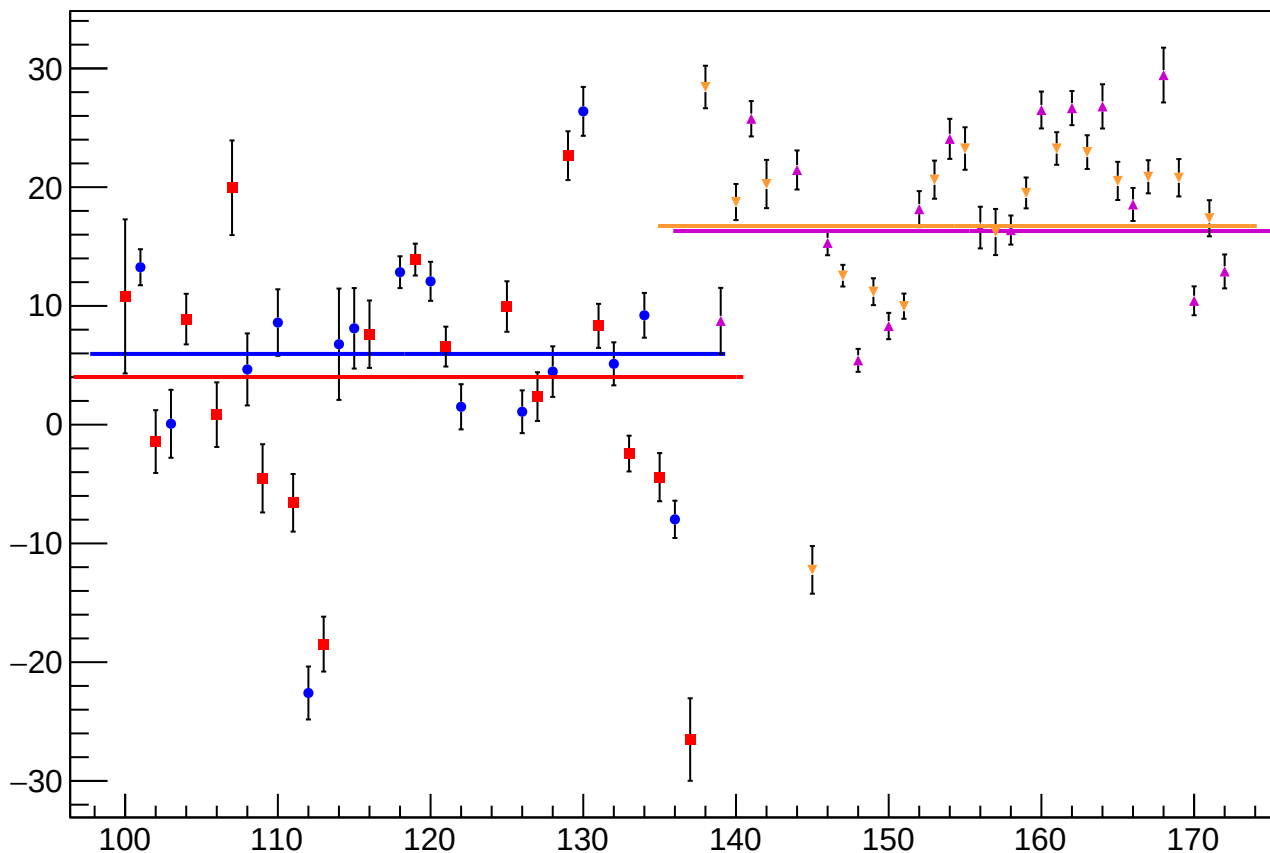
Left In: 75.354+/-0.416 χ^2/NDF : 861.7/16

+ sign 80.653+/-0.316 χ^2/NDF : 4989.1/32

All: 81.671+/-0.223 χ^2/NDF : 9814.6/67

- sign 82.685+/-0.315 χ^2/NDF : 4804.8/34

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

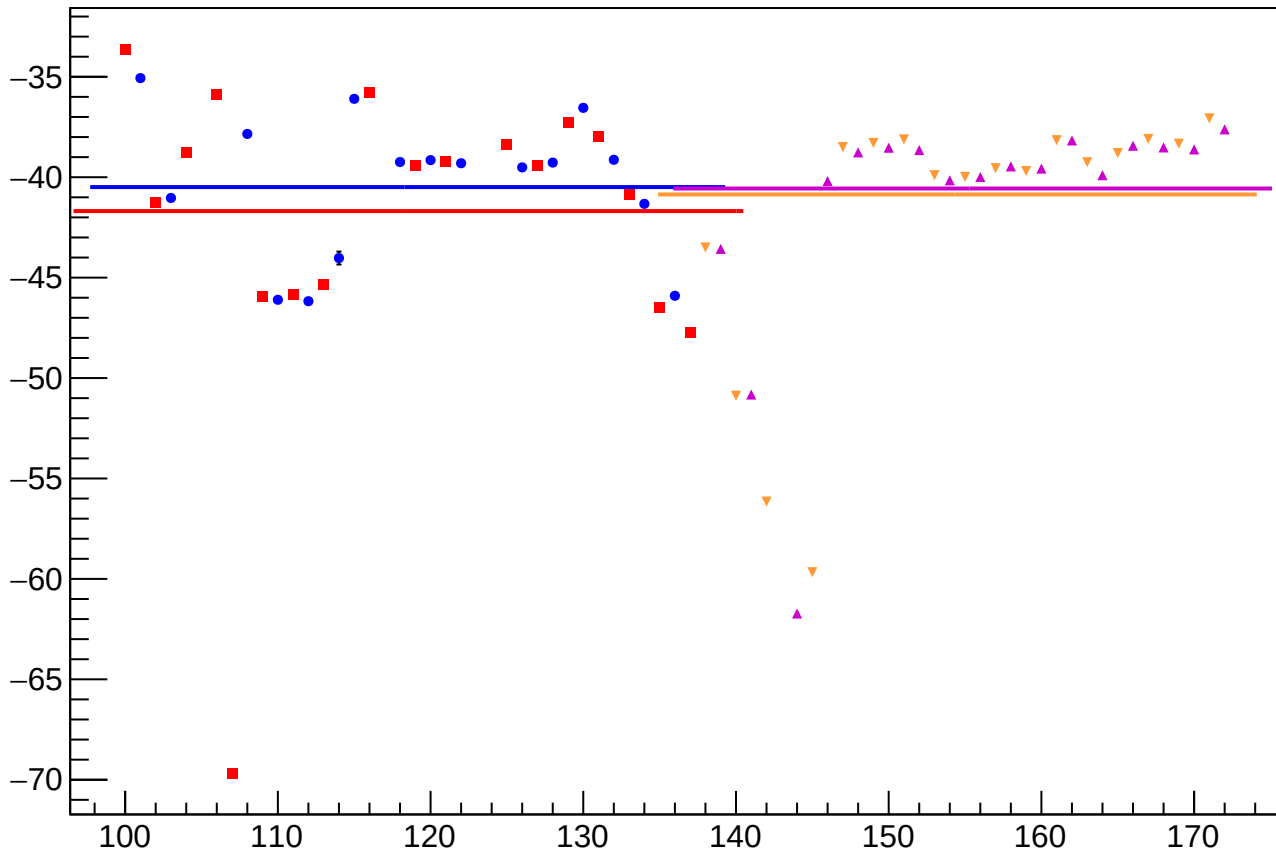
Left In: 16.307 ± 0.341 χ^2/NDF : 450.8/16

+ sign 13.212 ± 0.283 χ^2/NDF : 1174.3/32

All: 12.859 ± 0.200 χ^2/NDF : 2447.5/67

- sign 12.504 ± 0.283 χ^2/NDF : 1270.1/34

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.491 ± 0.028 $\chi^2/\text{NDF}: 18125.4/15$

Left Out: -40.857 ± 0.016 $\chi^2/\text{NDF}: 112190.0/16$

Right Out: -41.686 ± 0.029 $\chi^2/\text{NDF}: 36838.6/17$

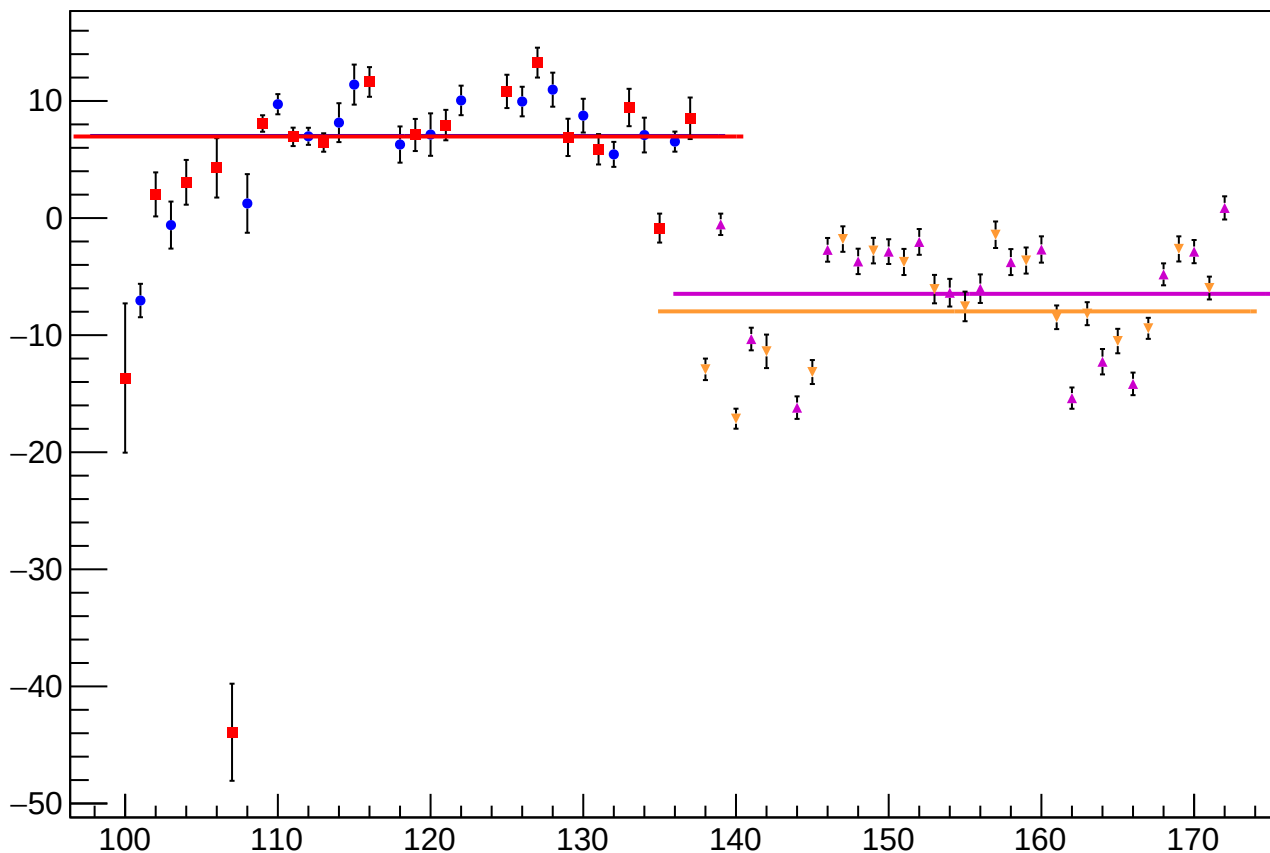
Left In: -40.563 ± 0.016 $\chi^2/\text{NDF}: 91585.6/16$

+ sign -40.767 ± 0.014 $\chi^2/\text{NDF}: 130441.8/32$

All: -40.790 ± 0.010 $\chi^2/\text{NDF}: 260018.0/67$

- sign -40.811 ± 0.014 $\chi^2/\text{NDF}: 129571.2/34$

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

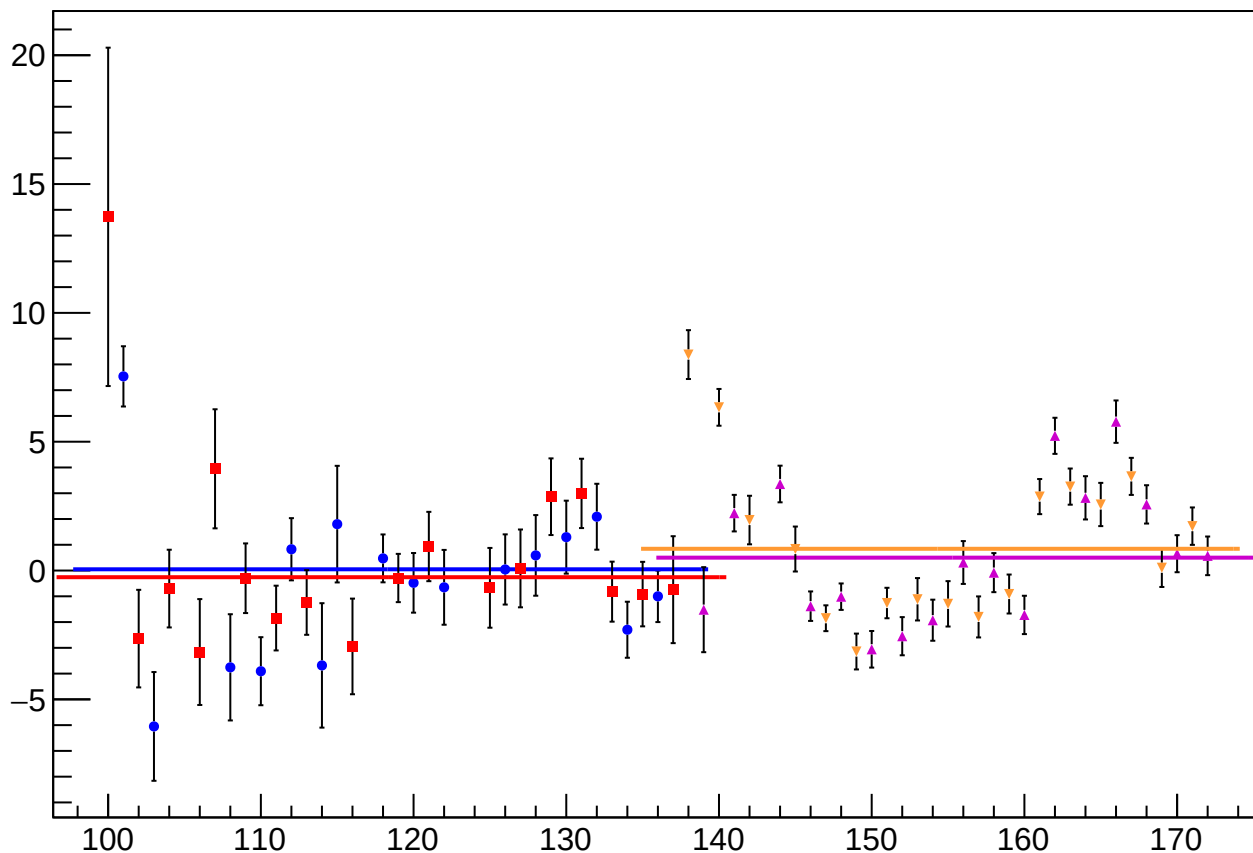
Left In: -6.471 ± 0.249 χ^2/NDF : 485.4/16

+ sign -1.927 ± 0.196 χ^2/NDF : 1889.5/32

All: -1.431 ± 0.137 χ^2/NDF : 3851.8/67

- sign -0.963 ± 0.191 χ^2/NDF : 1949.9/34

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.048 ± 0.331 $\chi^2/\text{NDF}: 75.0/15$

Left Out: 0.844 ± 0.177 $\chi^2/\text{NDF}: 268.8/16$

Right Out: -0.259 ± 0.344 $\chi^2/\text{NDF}: 27.5/17$

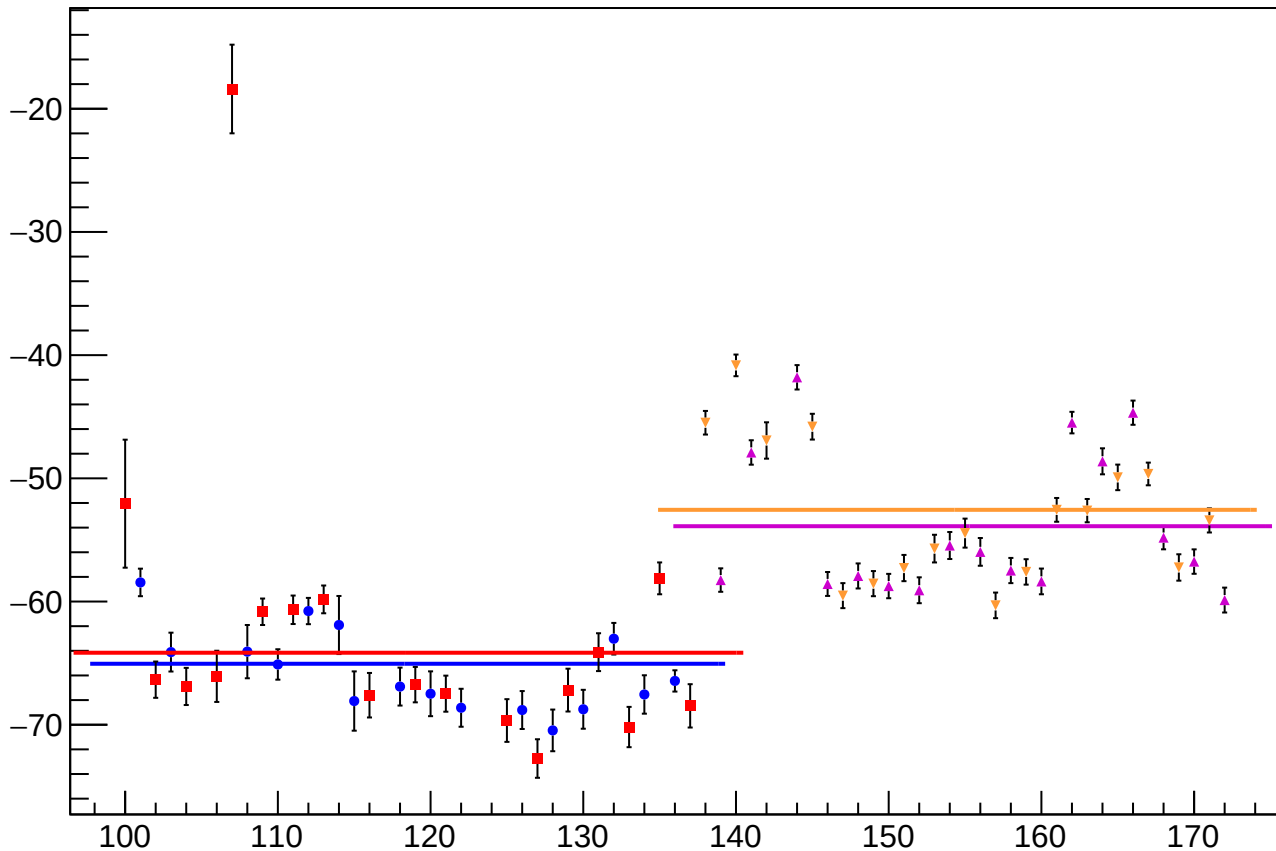
Left In: 0.500 ± 0.177 $\chi^2/\text{NDF}: 206.1/16$

+ sign 0.667 ± 0.156 $\chi^2/\text{NDF}: 348.3/32$

All: 0.505 ± 0.111 $\chi^2/\text{NDF}: 587.9/67$

- sign 0.342 ± 0.157 $\chi^2/\text{NDF}: 237.5/34$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -65.051 ± 0.354 $\chi^2/\text{NDF}: 92.8/15$

Left Out: -52.555 ± 0.249 $\chi^2/\text{NDF}: 516.1/16$

Right Out: -64.156 ± 0.360 $\chi^2/\text{NDF}: 303.7/17$

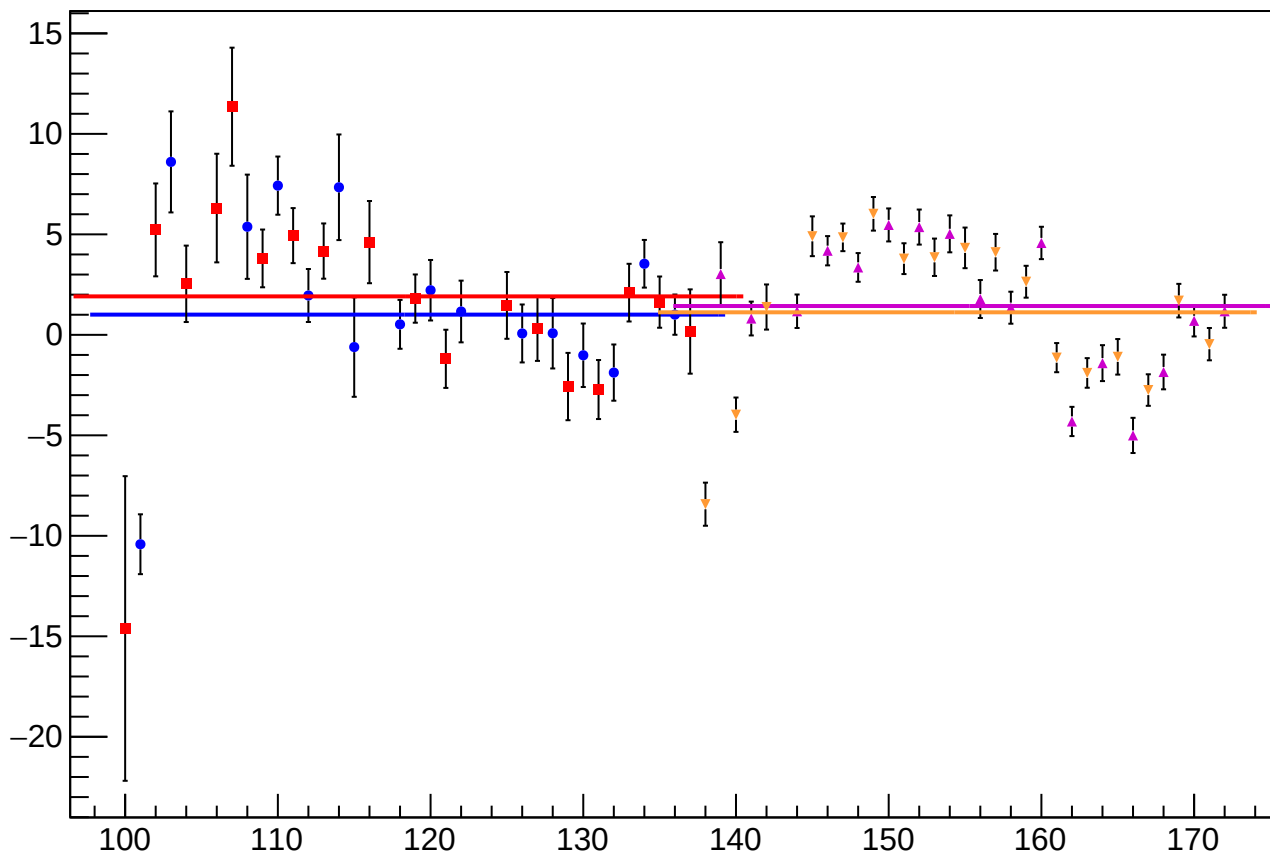
Left In: -53.886 ± 0.243 $\chi^2/\text{NDF}: 580.5/16$

+ sign -56.686 ± 0.204 $\chi^2/\text{NDF}: 1443.0/32$

All: -56.892 ± 0.143 $\chi^2/\text{NDF}: 2887.4/67$

- sign -57.094 ± 0.201 $\chi^2/\text{NDF}: 1442.4/34$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.006 $\pm$ 0.376 χ^2/NDF : 109.2/15

Left Out: 1.121 $\pm$ 0.205 χ^2/NDF : 300.0/16

Right Out: 1.914 $\pm$ 0.390 χ^2/NDF : 54.5/17

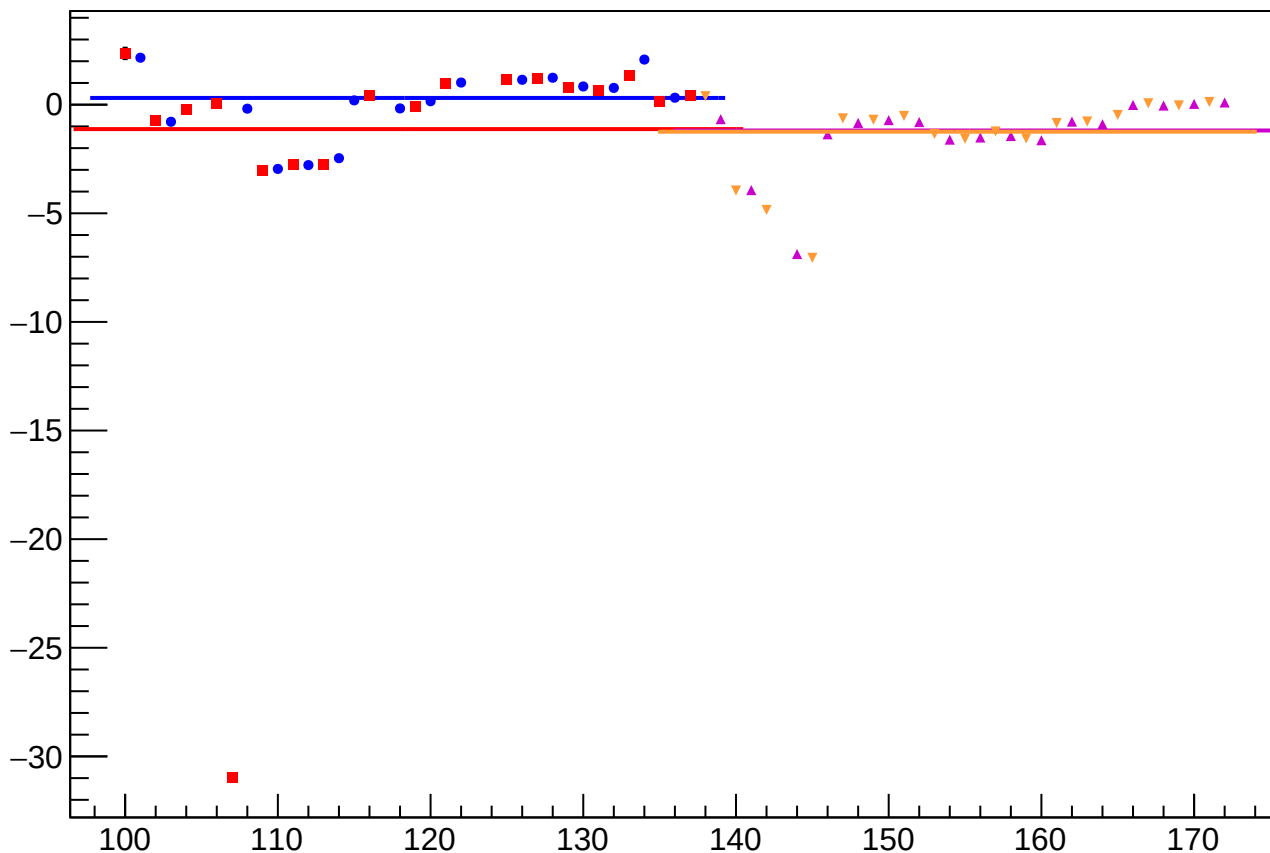
Left In: 1.434 $\pm$ 0.203 χ^2/NDF : 240.2/16

+ sign 1.095 $\pm$ 0.180 χ^2/NDF : 409.3/32

All: 1.316 $\pm$ 0.127 χ^2/NDF : 708.2/67

- sign 1.537 $\pm$ 0.180 χ^2/NDF : 295.9/34

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.021 $\chi^2/\text{NDF}: 4848.4/15$

Left Out: -1.243 ± 0.009 $\chi^2/\text{NDF}: 35852.5/16$

Right Out: -1.124 ± 0.022 $\chi^2/\text{NDF}: 46347.9/17$

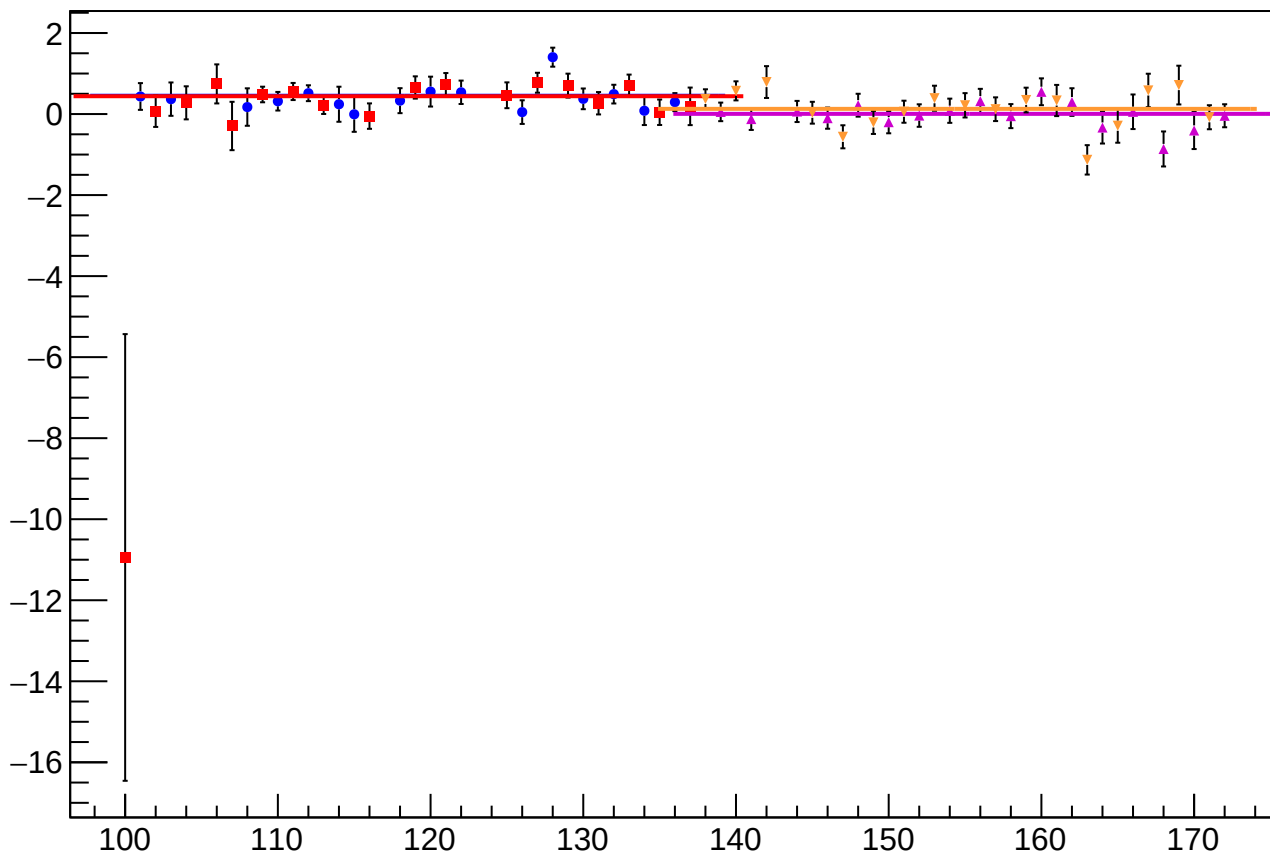
Left In: -1.188 ± 0.009 $\chi^2/\text{NDF}: 27060.0/16$

+ sign -0.993 ± 0.008 $\chi^2/\text{NDF}: 45263.0/32$

All: -1.087 ± 0.006 $\chi^2/\text{NDF}: 118923.4/67$

- sign -1.179 ± 0.008 $\chi^2/\text{NDF}: 73415.0/34$

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

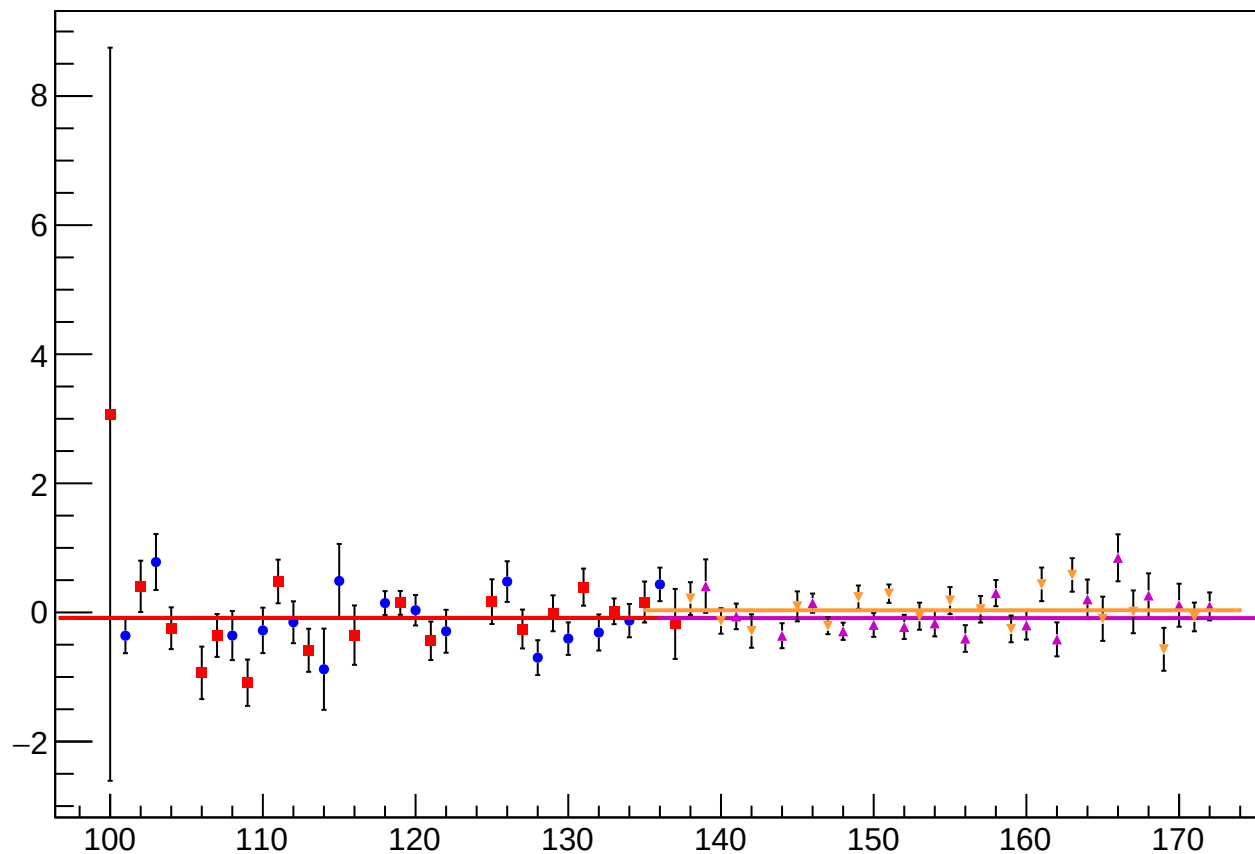
Left In: 0.005+/-0.073 χ^2/NDF : 11.8/16

+ sign 0.298+/-0.051 χ^2/NDF : 65.3/32

All: 0.265+/-0.036 χ^2/NDF : 115.0/67

- sign 0.233+/-0.050 χ^2/NDF : 48.9/34

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

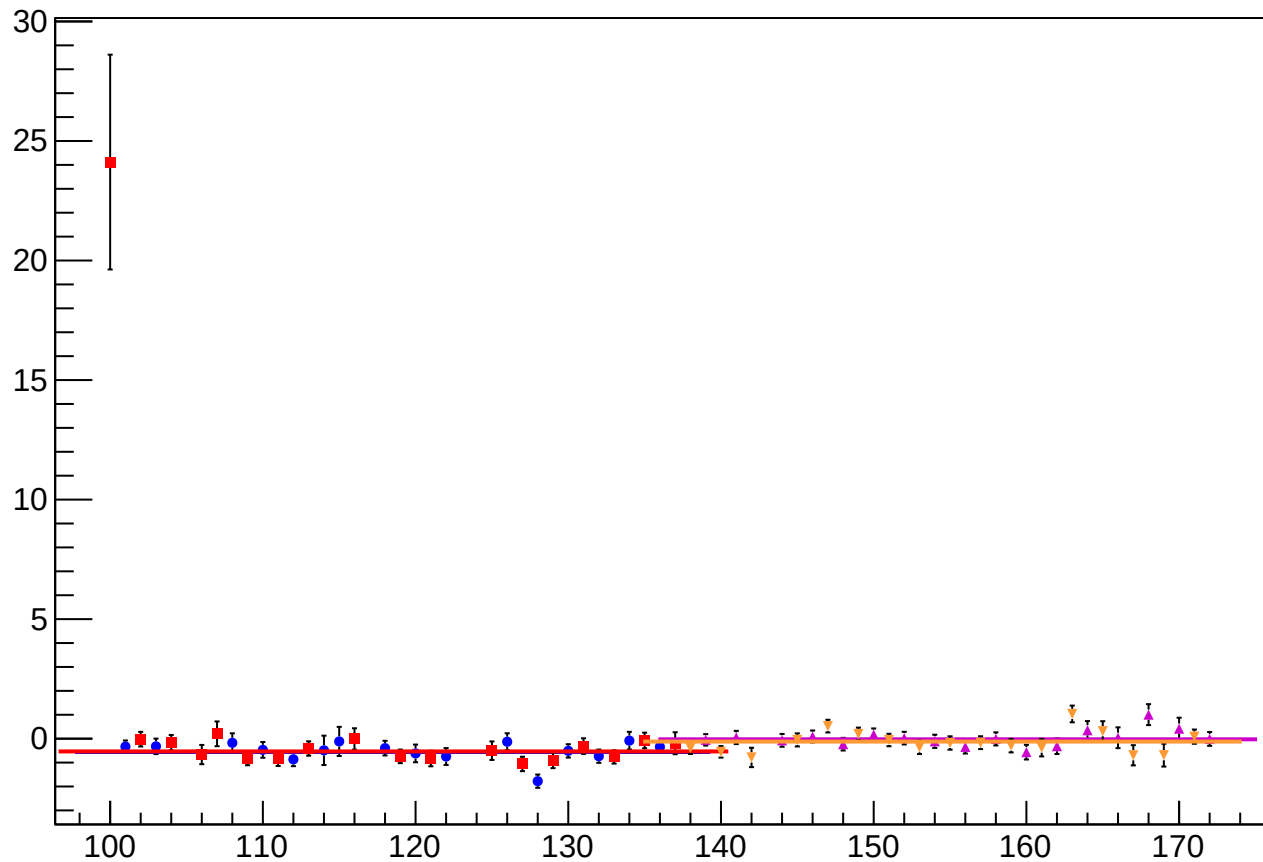
Left In: -0.087 ± 0.051 χ^2/NDF : 26.7/16

+ sign -0.006 ± 0.042 χ^2/NDF : 51.0/32

All: -0.046 ± 0.030 χ^2/NDF : 107.4/67

- sign -0.087 ± 0.042 χ^2/NDF : 54.5/34

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

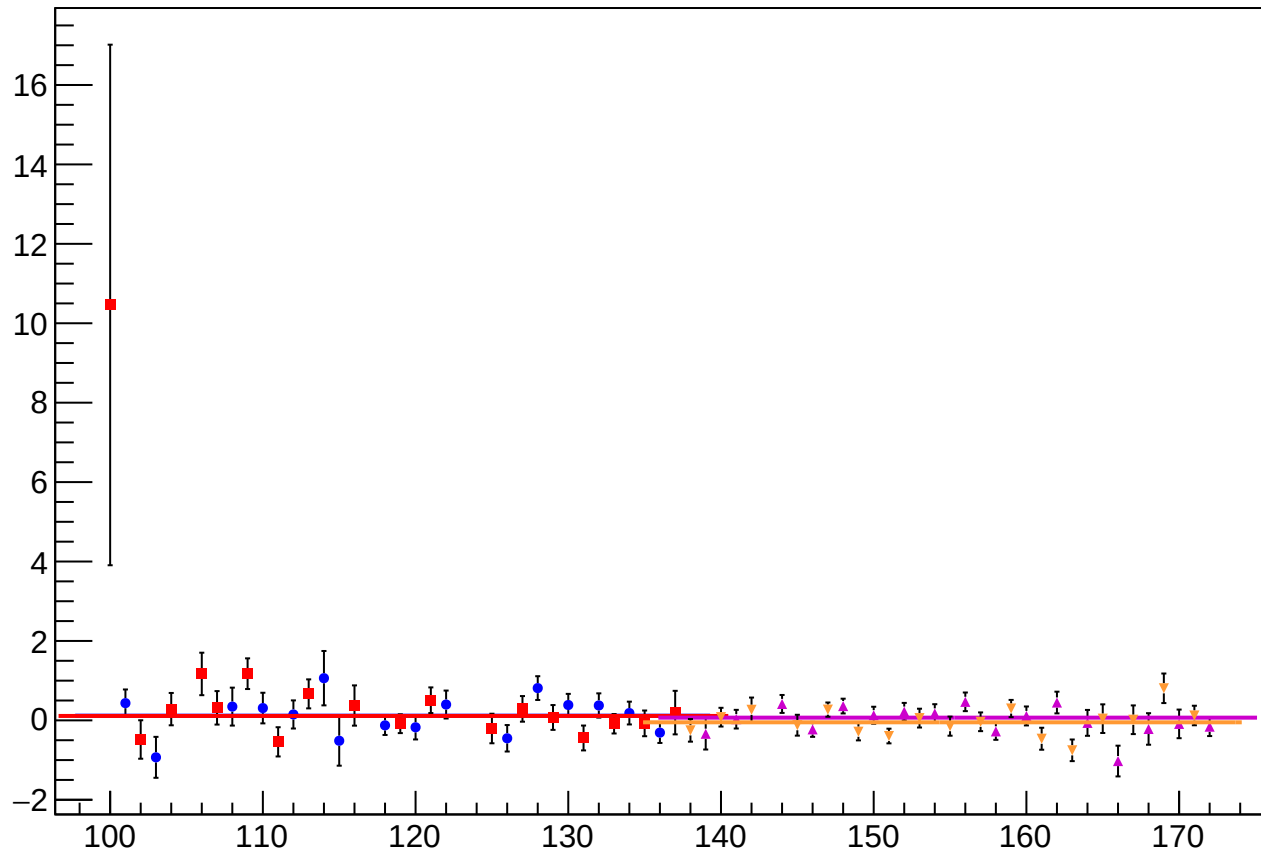
Left In: -0.027 ± 0.071 χ^2/NDF : 14.2/16

+ sign -0.319 ± 0.054 χ^2/NDF : 76.7/32

All: -0.284 ± 0.038 χ^2/NDF : 163.1/67

- sign -0.249 ± 0.053 χ^2/NDF : 85.6/34

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

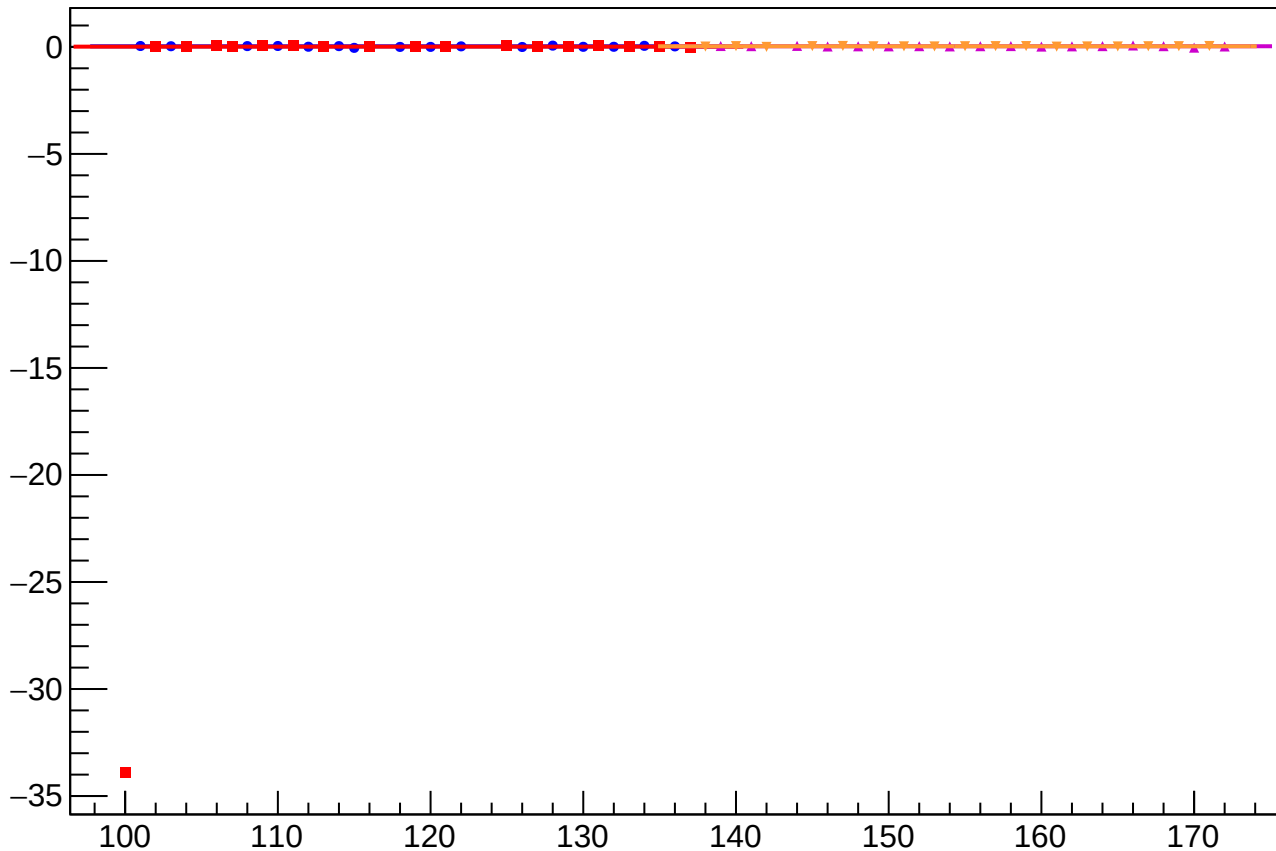
Left In: 0.068 ± 0.060 χ^2/NDF : 26.3/16

+ sign 0.008 ± 0.049 χ^2/NDF : 53.8/32

All: 0.045 ± 0.035 χ^2/NDF : 110.4/67

- sign 0.083 ± 0.049 χ^2/NDF : 55.5/34

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

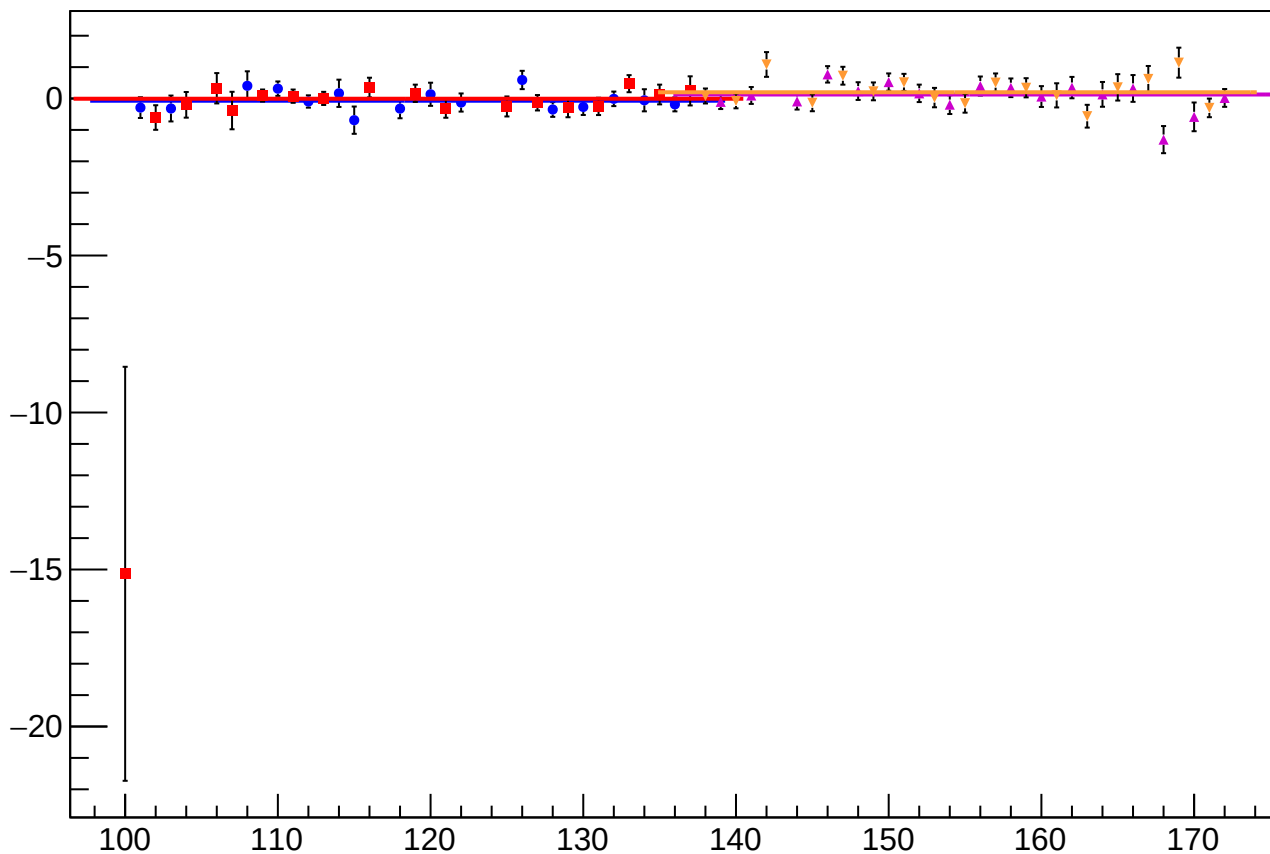
Left In: 0.030 ± 0.003 χ^2/NDF : 30.7/16

+ sign 0.029 ± 0.002 χ^2/NDF : 28.2/32

All: 0.027 ± 0.002 χ^2/NDF : 22332.6/67

- sign 0.026 ± 0.002 χ^2/NDF : 22303.9/34

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.070 ± 0.071 $\chi^2/\text{NDF}: 15.5/15$

Left Out: 0.199 ± 0.075 $\chi^2/\text{NDF}: 28.4/16$

Right Out: -0.007 ± 0.070 $\chi^2/\text{NDF}: 18.1/17$

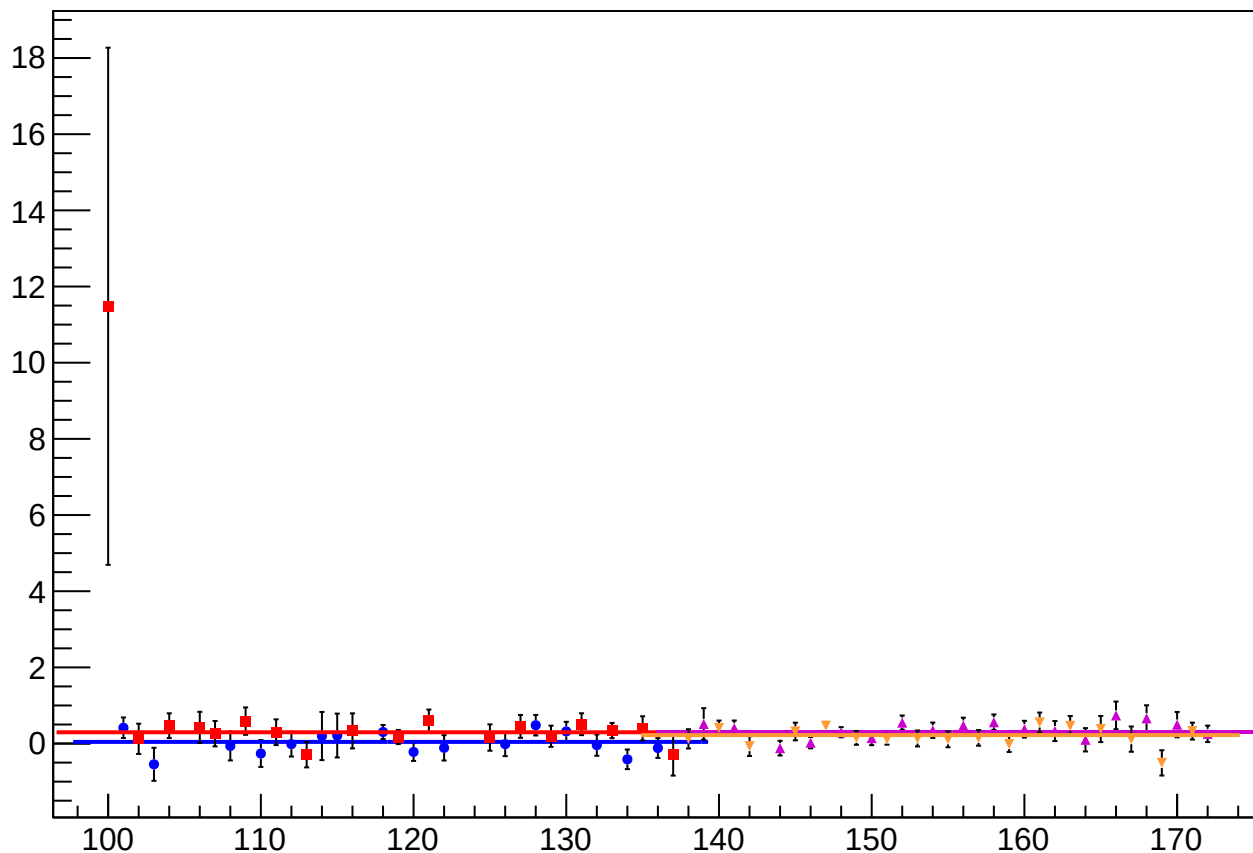
Left In: 0.128 ± 0.073 $\chi^2/\text{NDF}: 26.8/16$

+ sign 0.058 ± 0.051 $\chi^2/\text{NDF}: 50.7/32$

All: 0.058 ± 0.036 $\chi^2/\text{NDF}: 97.4/67$

- sign 0.057 ± 0.050 $\chi^2/\text{NDF}: 46.7/34$

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

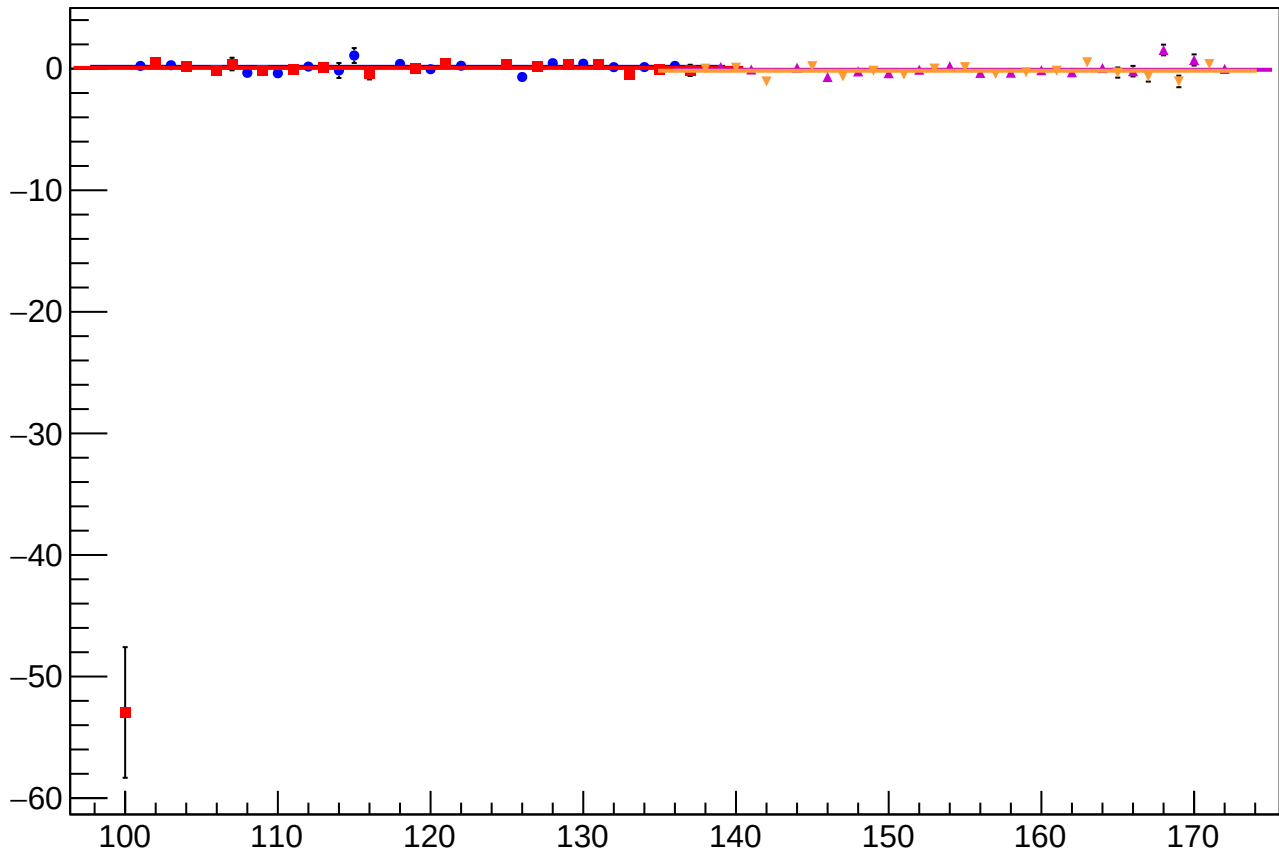
Left In: 0.303 ± 0.051 χ^2/NDF : 17.2/16

+ sign 0.163 ± 0.042 χ^2/NDF : 36.1/32

All: 0.232 ± 0.030 χ^2/NDF : 69.7/67

- sign 0.301 ± 0.042 χ^2/NDF : 28.2/34

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

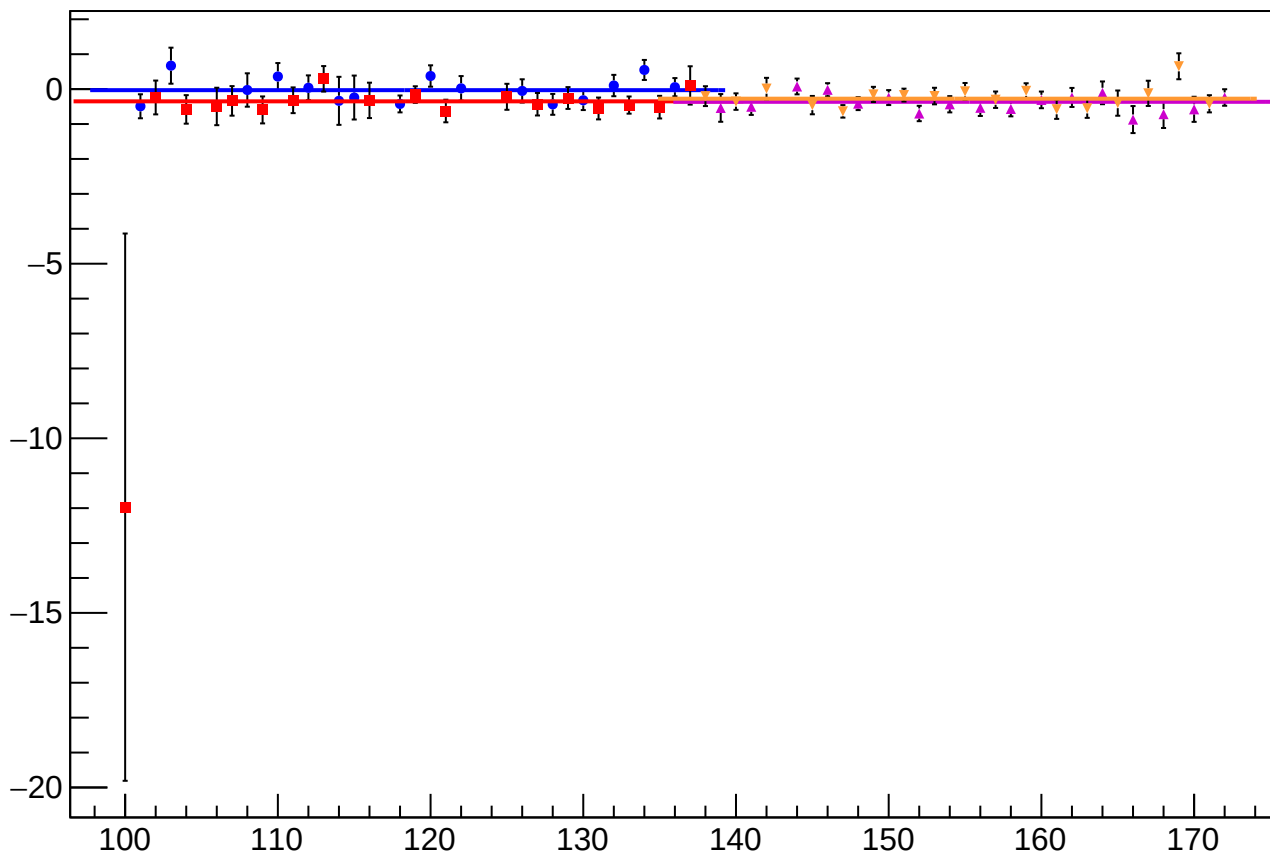
Left In: -0.088 ± 0.071 χ^2/NDF : 28.7/16

+ sign -0.022 ± 0.054 χ^2/NDF : 51.9/32

All: -0.021 ± 0.038 χ^2/NDF : 191.9/67

- sign -0.021 ± 0.053 χ^2/NDF : 140.0/34

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

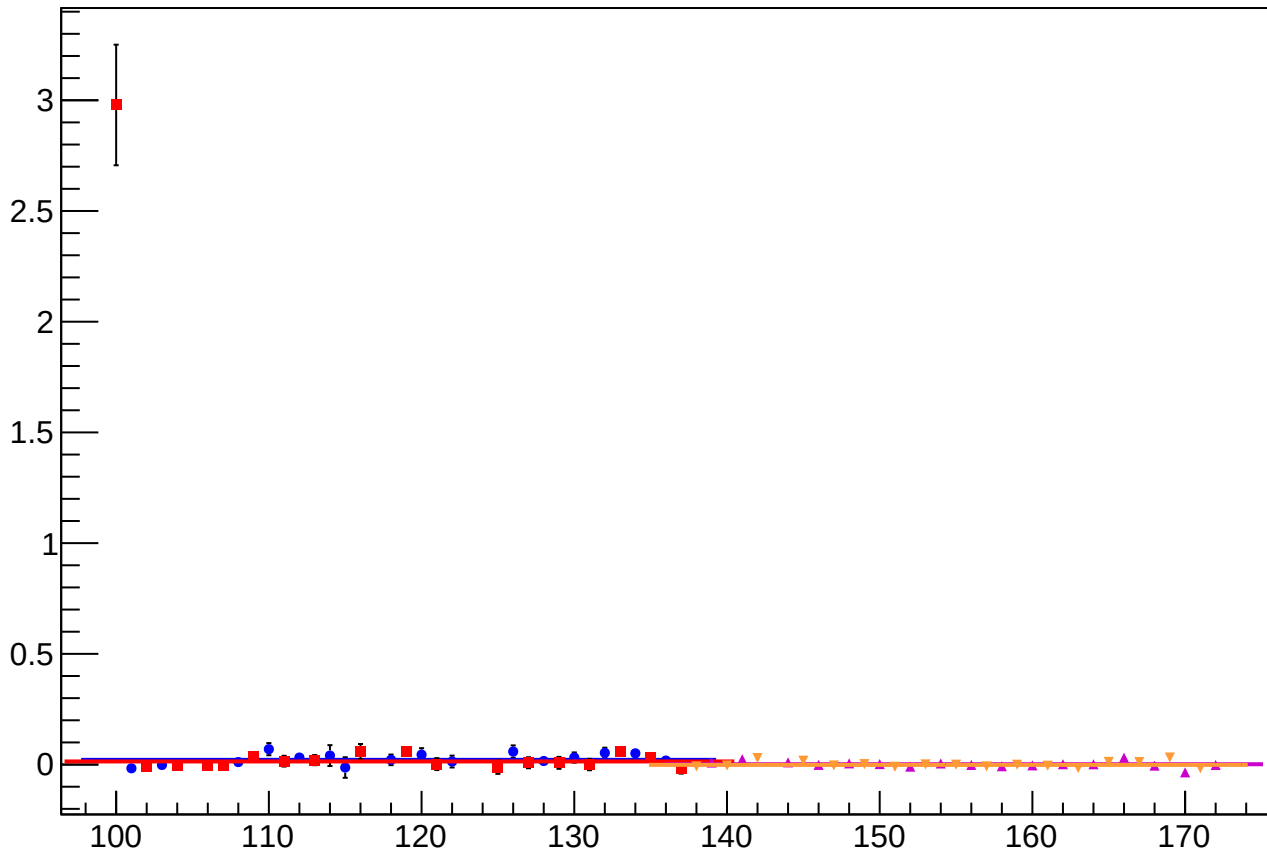
Left In: -0.364 ± 0.060 χ^2/NDF : 15.9/16

+ sign -0.191 ± 0.049 χ^2/NDF : 39.7/32

All: -0.275 ± 0.035 χ^2/NDF : 71.0/67

- sign -0.359 ± 0.049 χ^2/NDF : 25.4/34

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

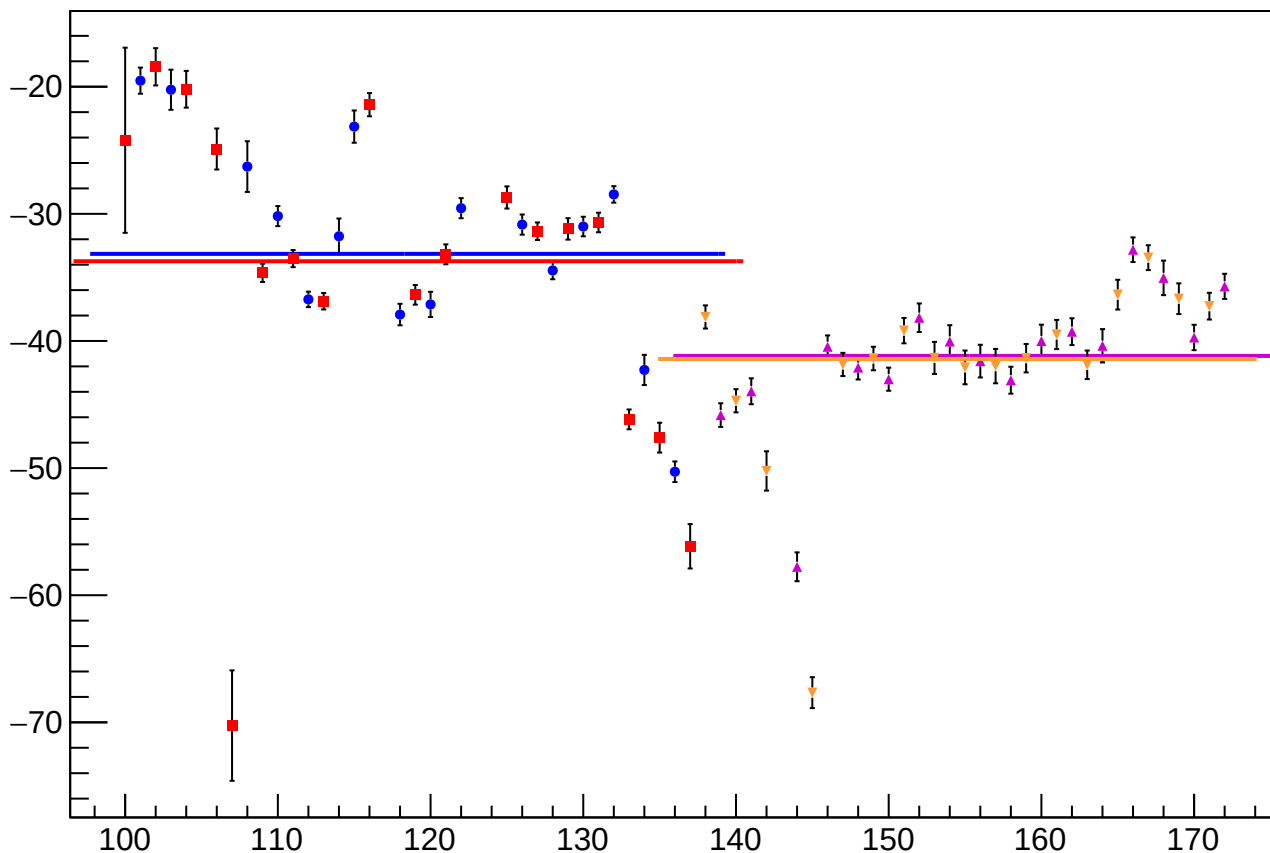
Left In: 0.002 ± 0.003 χ^2/NDF : 16.9/16

+ sign 0.004 ± 0.002 χ^2/NDF : 56.8/32

All: 0.004 ± 0.002 χ^2/NDF : 219.7/67

- sign 0.004 ± 0.002 χ^2/NDF : 162.9/34

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.148 ± 0.218 $\chi^2/\text{NDF}: 1013.9/15$

Left Out: -41.417 ± 0.264 $\chi^2/\text{NDF}: 648.3/16$

Right Out: -33.730 ± 0.215 $\chi^2/\text{NDF}: 1148.4/17$

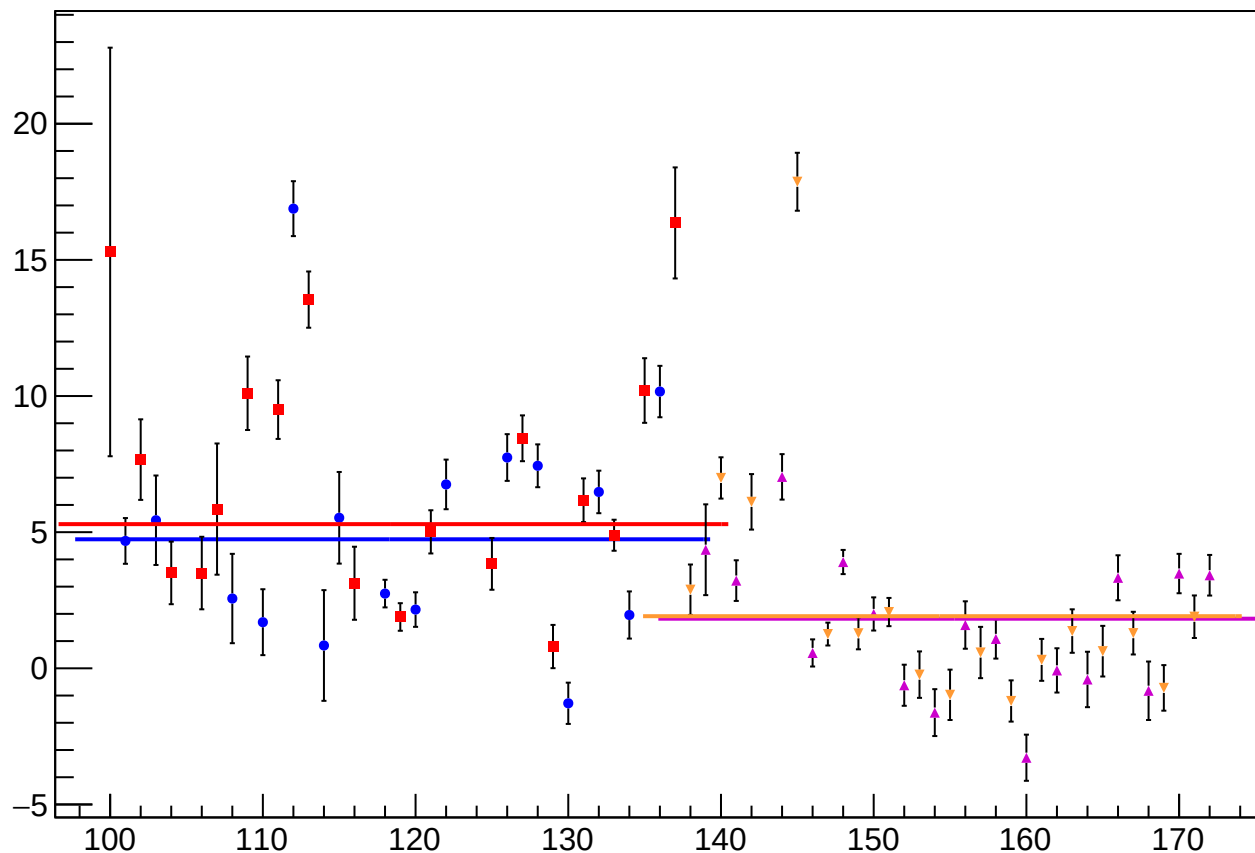
Left In: -41.175 ± 0.257 $\chi^2/\text{NDF}: 395.4/16$

+ sign -36.500 ± 0.168 $\chi^2/\text{NDF}: 2245.7/32$

All: -36.648 ± 0.118 $\chi^2/\text{NDF}: 4284.6/67$

- sign -36.791 ± 0.165 $\chi^2/\text{NDF}: 2037.4/34$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.738 ± 0.219 $\chi^2/\text{NDF}: 329.6/15$

Left Out: 1.914 ± 0.178 $\chi^2/\text{NDF}: 343.7/16$

Right Out: 5.295 ± 0.223 $\chi^2/\text{NDF}: 245.0/17$

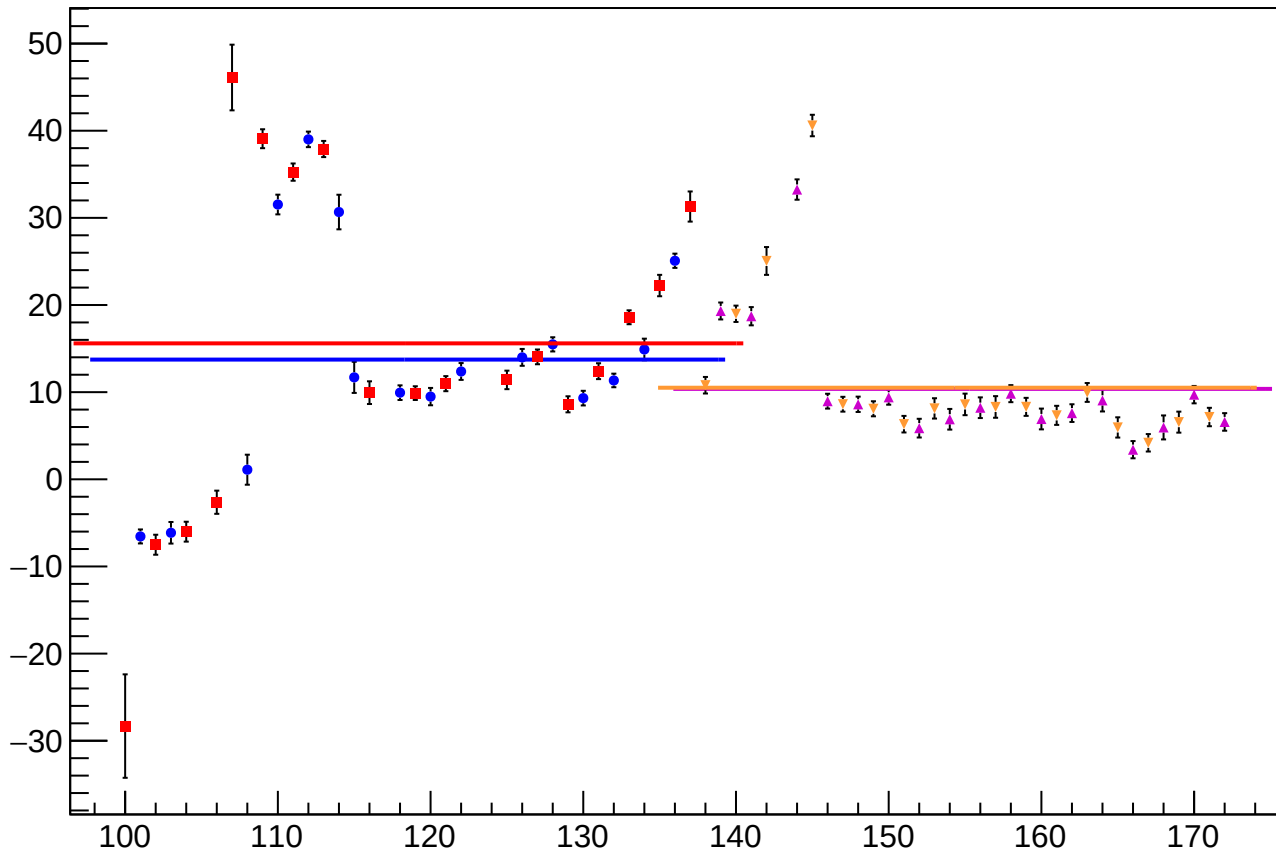
Left In: 1.822 ± 0.178 $\chi^2/\text{NDF}: 166.6/16$

+ sign 3.037 ± 0.138 $\chi^2/\text{NDF}: 773.3/32$

All: 3.103 ± 0.098 $\chi^2/\text{NDF}: 1333.3/67$

- sign 3.170 ± 0.139 $\chi^2/\text{NDF}: 559.6/34$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 13.738 $\pm$ 0.247 χ^2/NDF : 2349.9/15

Left Out: 10.509 $\pm$ 0.257 χ^2/NDF : 892.2/16

Right Out: 15.599 $\pm$ 0.250 χ^2/NDF : 2826.3/17

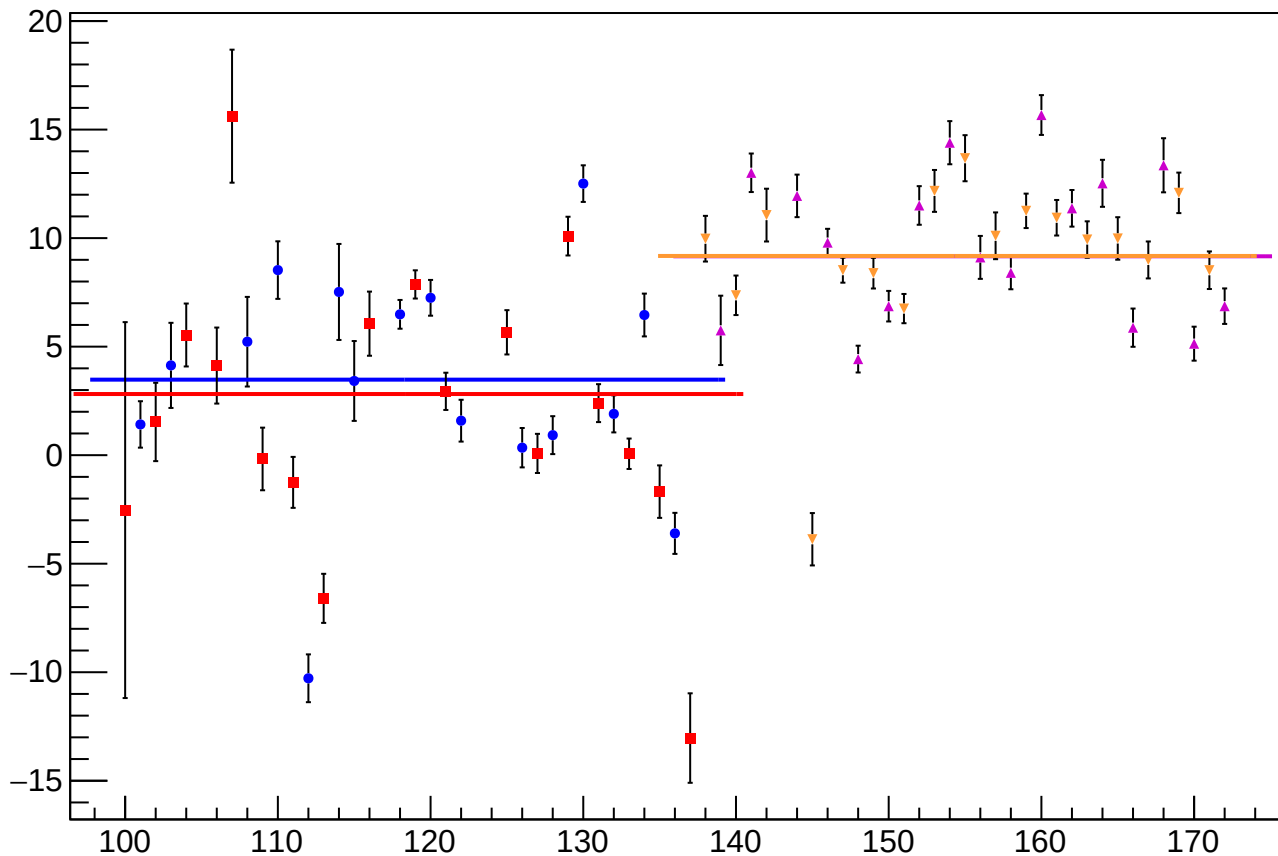
Left In: 10.376 $\pm$ 0.251 χ^2/NDF : 662.0/16

+ sign 12.190 $\pm$ 0.178 χ^2/NDF : 3324.2/32

All: 12.594 $\pm$ 0.126 χ^2/NDF : 7040.4/67

- sign 12.992 $\pm$ 0.177 χ^2/NDF : 3706.1/34

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

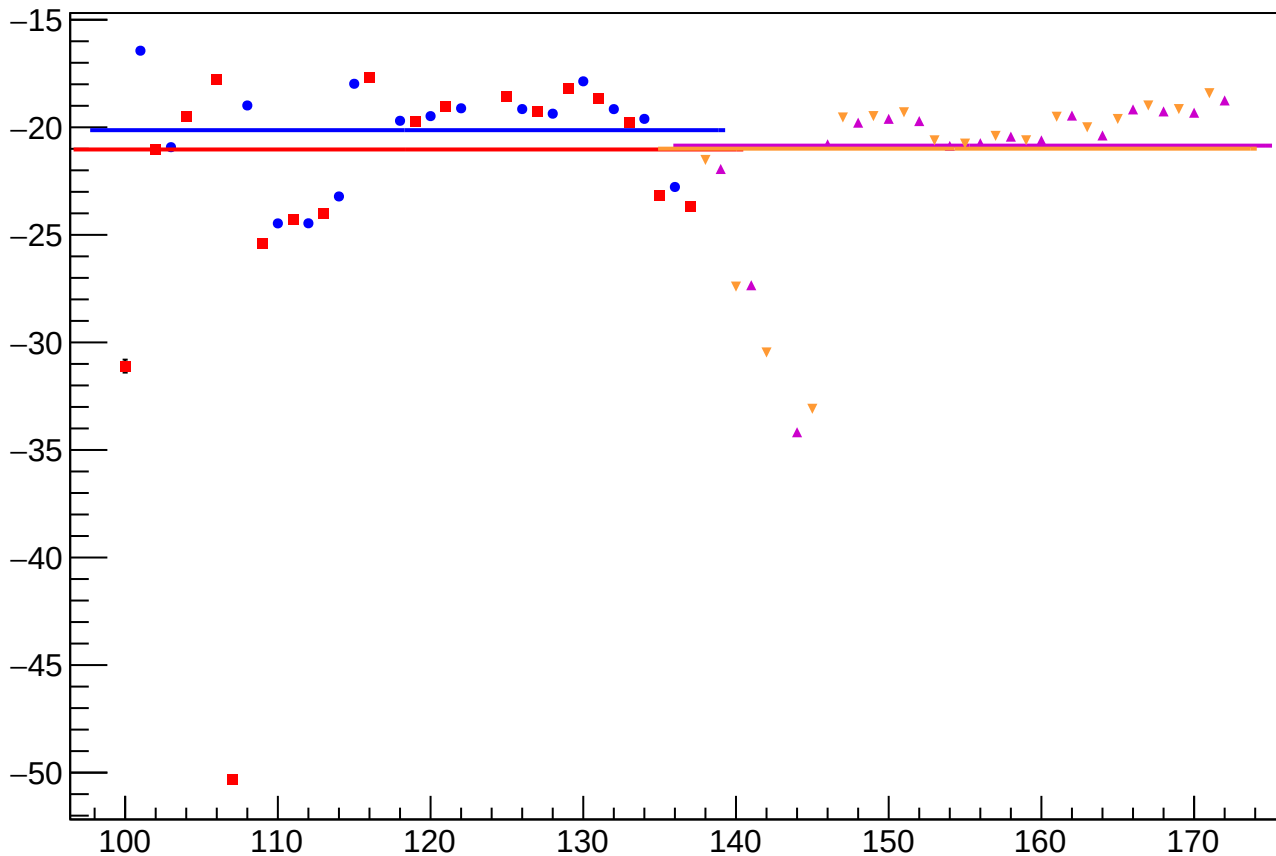
Left In: 9.163 ± 0.207 χ^2/NDF : 264.0/16

+ sign 6.876 ± 0.161 χ^2/NDF : 919.6/32

All: 6.773 ± 0.114 χ^2/NDF : 1899.2/67

- sign 6.670 ± 0.161 χ^2/NDF : 978.8/34

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

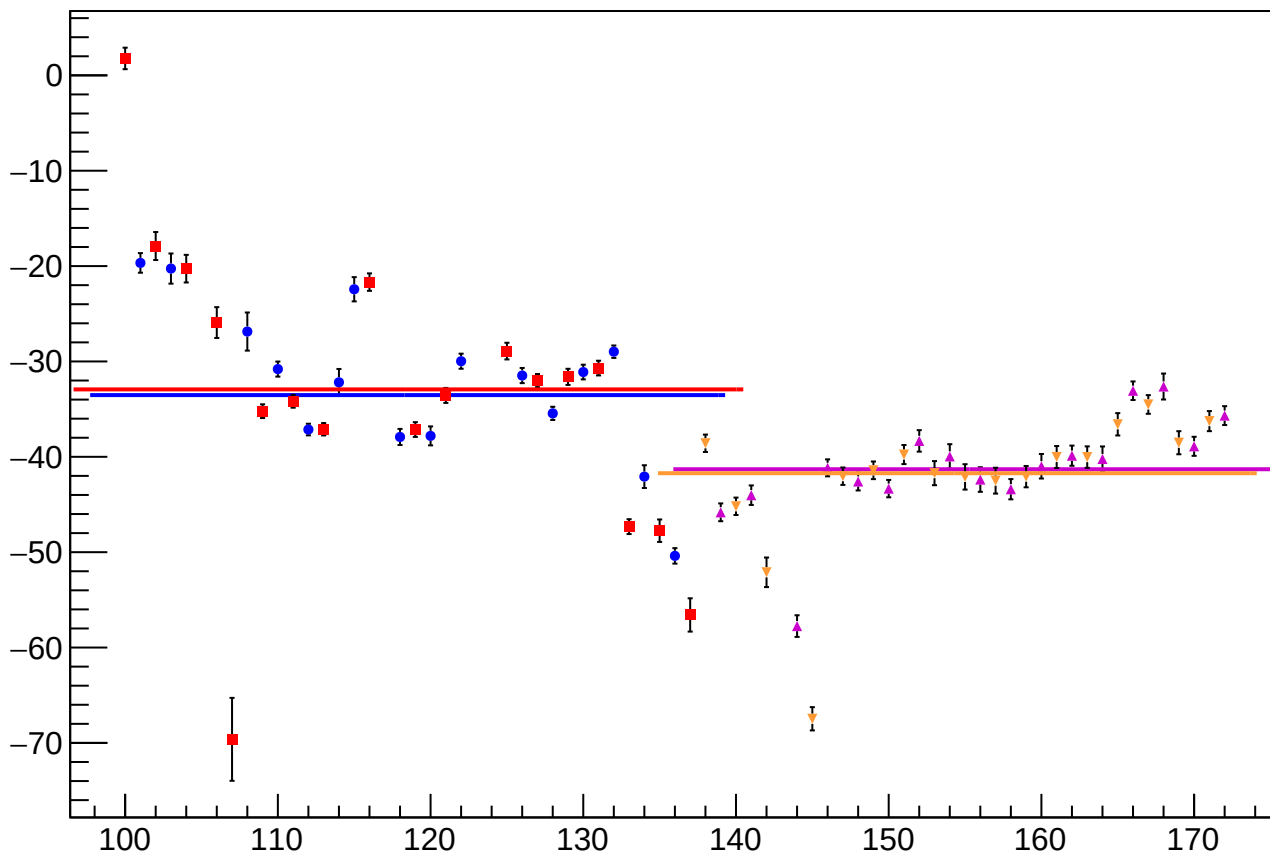
Left In: -20.852 ± 0.009 χ^2/NDF : 101866.7/16

+ sign -20.763 ± 0.008 χ^2/NDF : 147520.8/32

All: -20.830 ± 0.006 χ^2/NDF : 307131.3/67

- sign -20.896 ± 0.008 χ^2/NDF : 159479.4/34

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

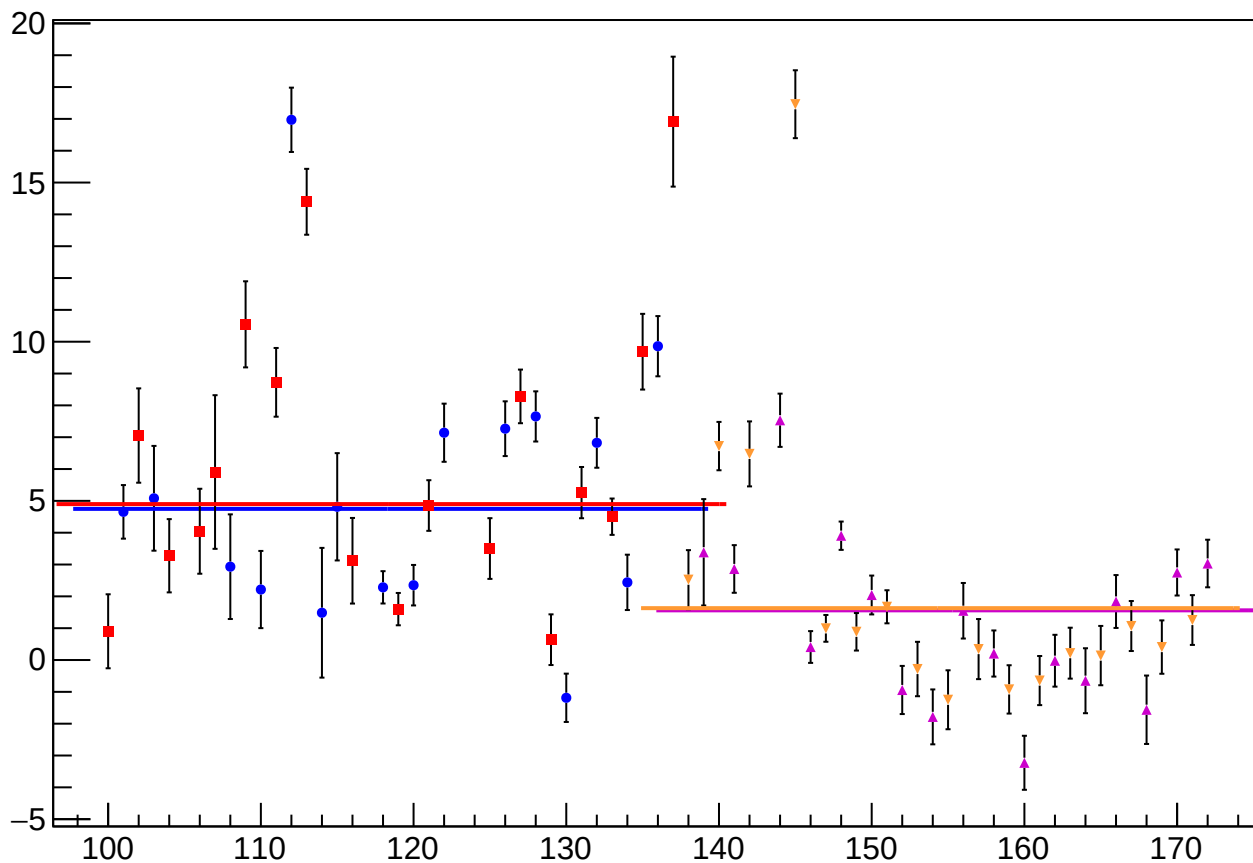
Left In: -41.303 ± 0.258 χ^2/NDF : 412.5/16

+ sign -36.850 ± 0.168 χ^2/NDF : 2211.9/32

All: -36.568 ± 0.117 χ^2/NDF : 5430.3/67

- sign -36.303 ± 0.164 χ^2/NDF : 3213.0/34

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

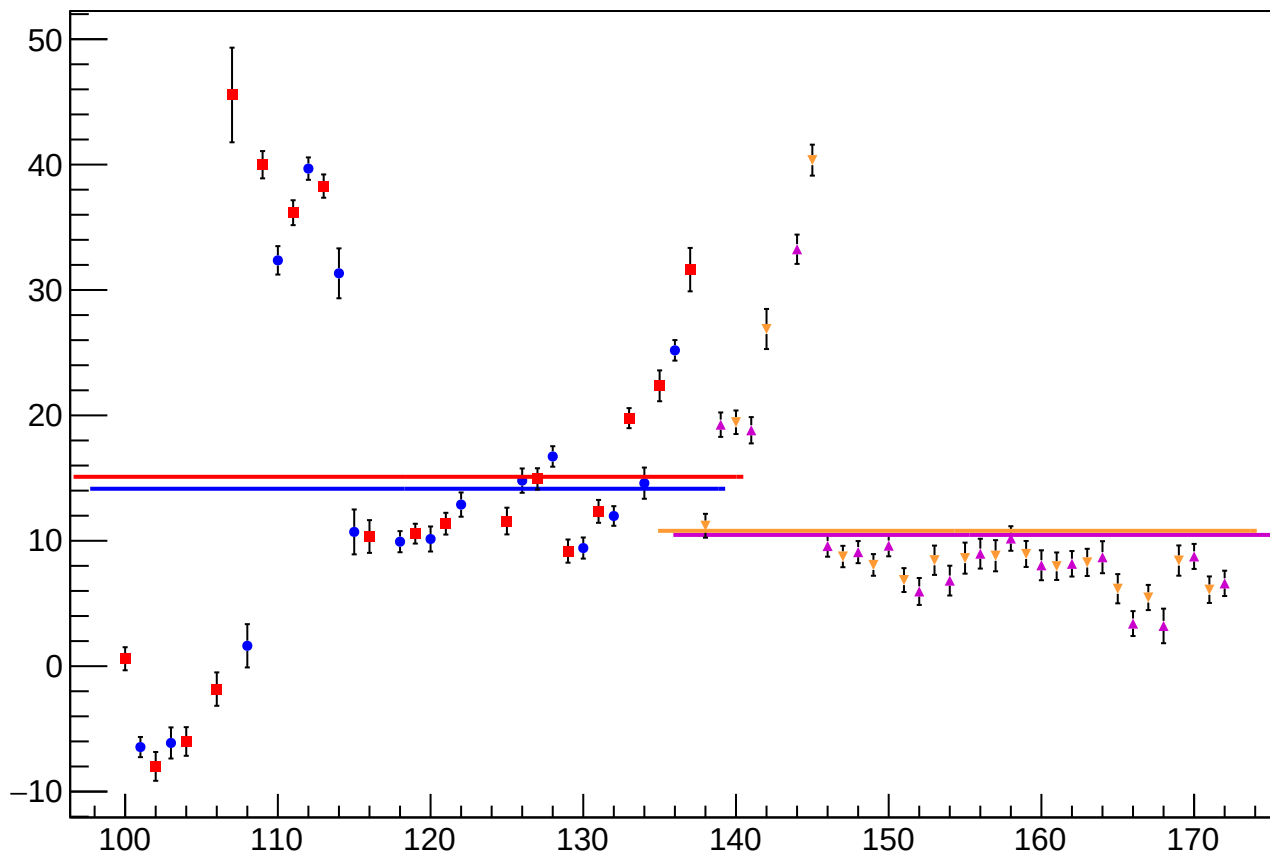
Left In: 1.561 ± 0.178 χ^2/NDF : 173.9/16

+ sign 2.868 ± 0.138 χ^2/NDF : 784.9/32

All: 2.876 ± 0.098 χ^2/NDF : 1370.9/67

- sign 2.883 ± 0.138 χ^2/NDF : 586.0/34

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 14.149 $\pm$ 0.247 χ^2 /NDF: 2402.4/15

Left Out: 10.795 $\pm$ 0.258 χ^2 /NDF: 884.5/16

Right Out: 15.103 $\pm$ 0.242 χ^2 /NDF: 3102.3/17

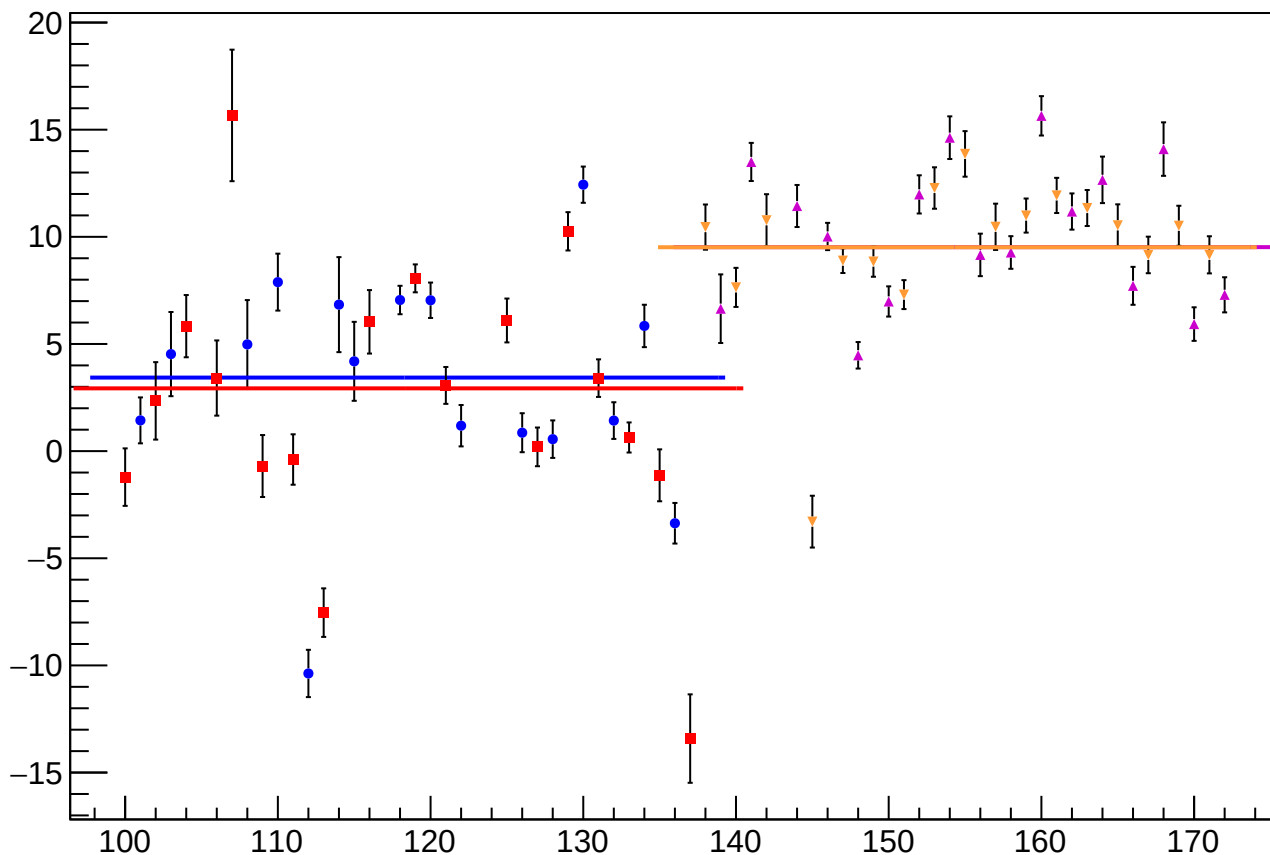
Left In: 10.468 $\pm$ 0.251 χ^2 /NDF: 665.2/16

+ sign 12.541 $\pm$ 0.178 χ^2 /NDF: 3375.1/32

All: 12.710 $\pm$ 0.125 χ^2 /NDF: 7321.0/67

- sign 12.870 $\pm$ 0.174 χ^2 /NDF: 3944.2/34

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

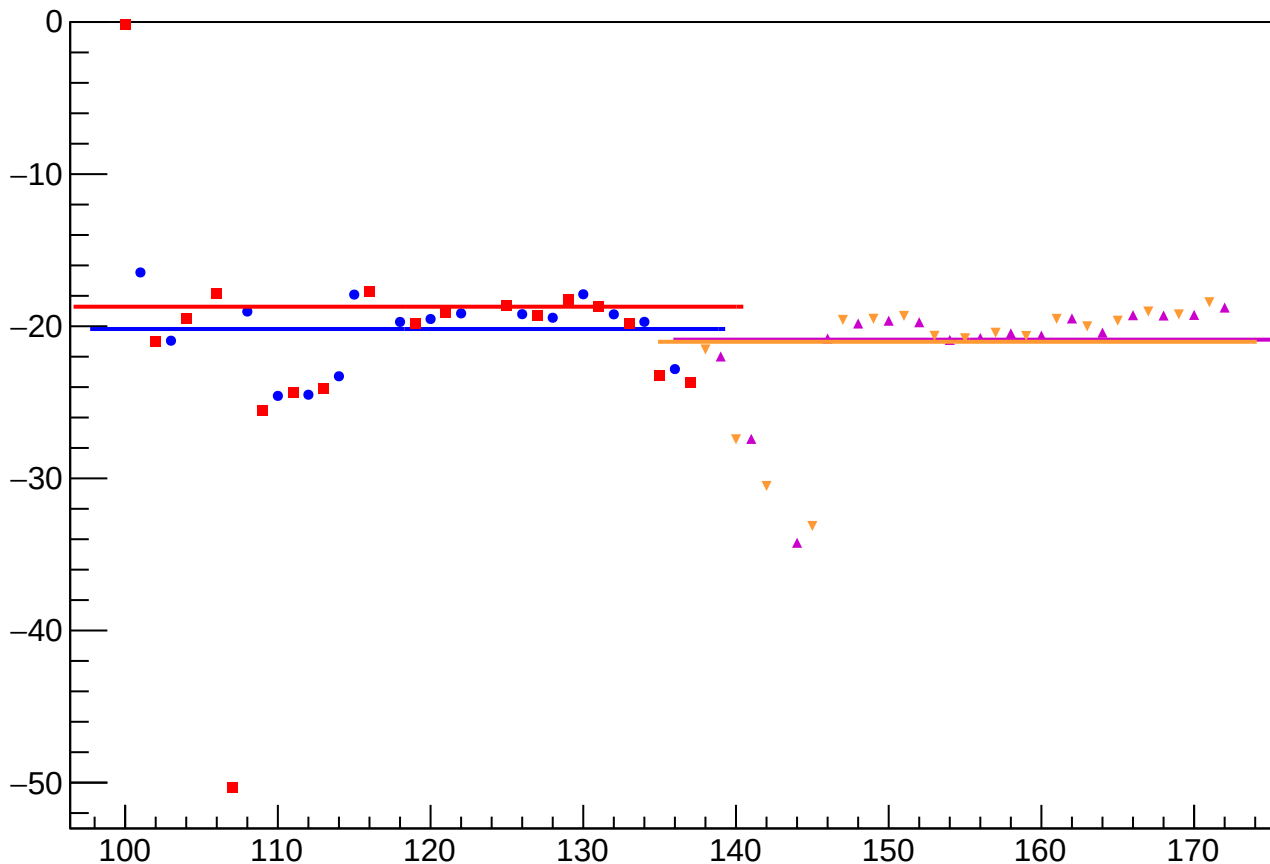
Left In: 9.519 ± 0.207 χ^2/NDF : 244.1/16

+ sign 7.058 ± 0.162 χ^2/NDF : 941.5/32

All: 6.966 ± 0.114 χ^2/NDF : 1959.3/67

- sign 6.876 ± 0.160 χ^2/NDF : 1017.1/34

reg_asym_left_dd_diff_bpm12X_slope vs Slug



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

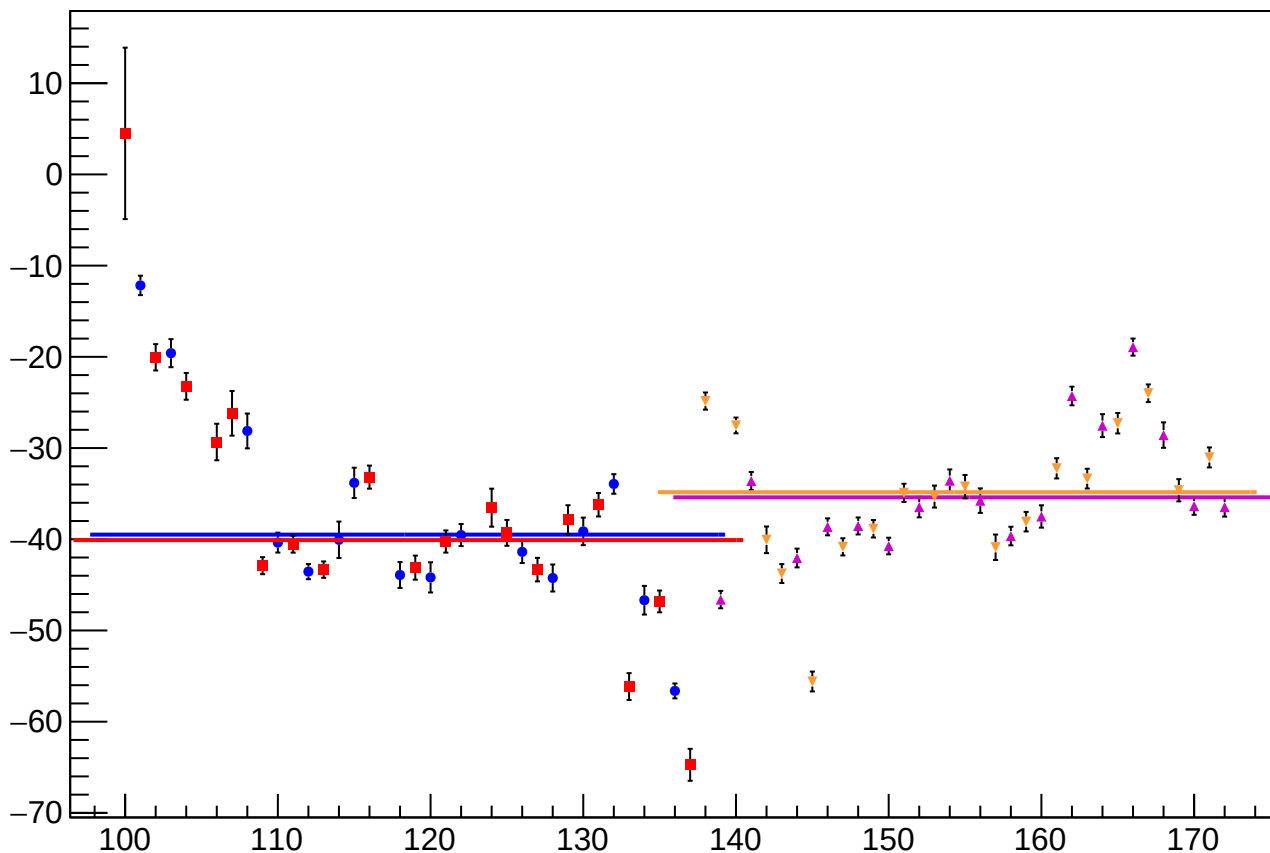
Left In: -20.881 ± 0.009 χ^2/NDF : 102160.1/16

+ sign -20.795 ± 0.008 χ^2/NDF : 147144.2/32

All: -20.541 ± 0.006 χ^2/NDF : 499994.1/67

- sign -20.304 ± 0.008 χ^2/NDF : 351043.3/34

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

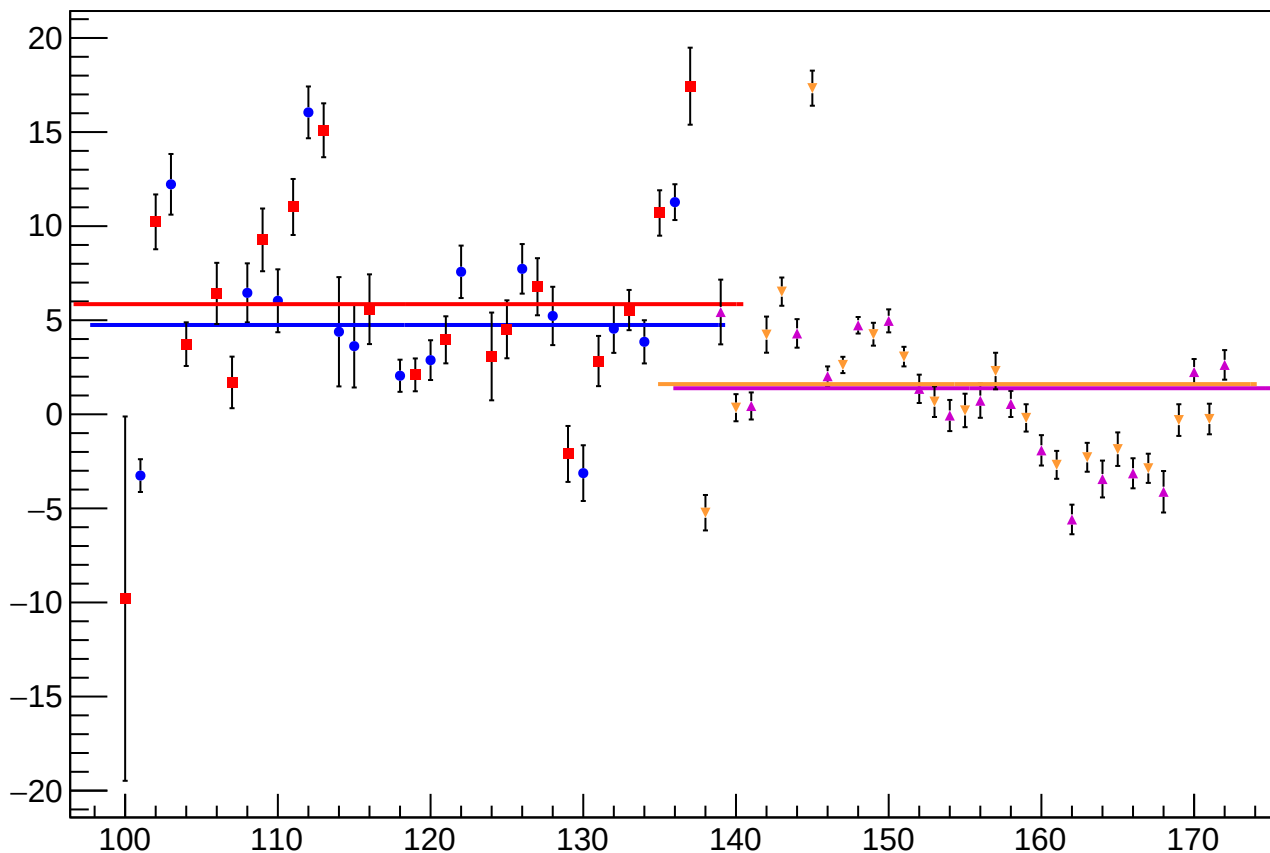
Left In: -35.402 ± 0.254 χ^2/NDF : 756.5/16

+ sign -36.691 ± 0.196 χ^2/NDF : 2464.1/33

All: -36.999 ± 0.139 χ^2/NDF : 4198.8/69

- sign -37.307 ± 0.196 χ^2/NDF : 1729.7/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.747 $\pm$ 0.316 χ^2/NDF : 273.8/15

Left Out: 1.605 $\pm$ 0.172 χ^2/NDF : 551.2/17

Right Out: 5.854 $\pm$ 0.324 χ^2/NDF : 187.6/18

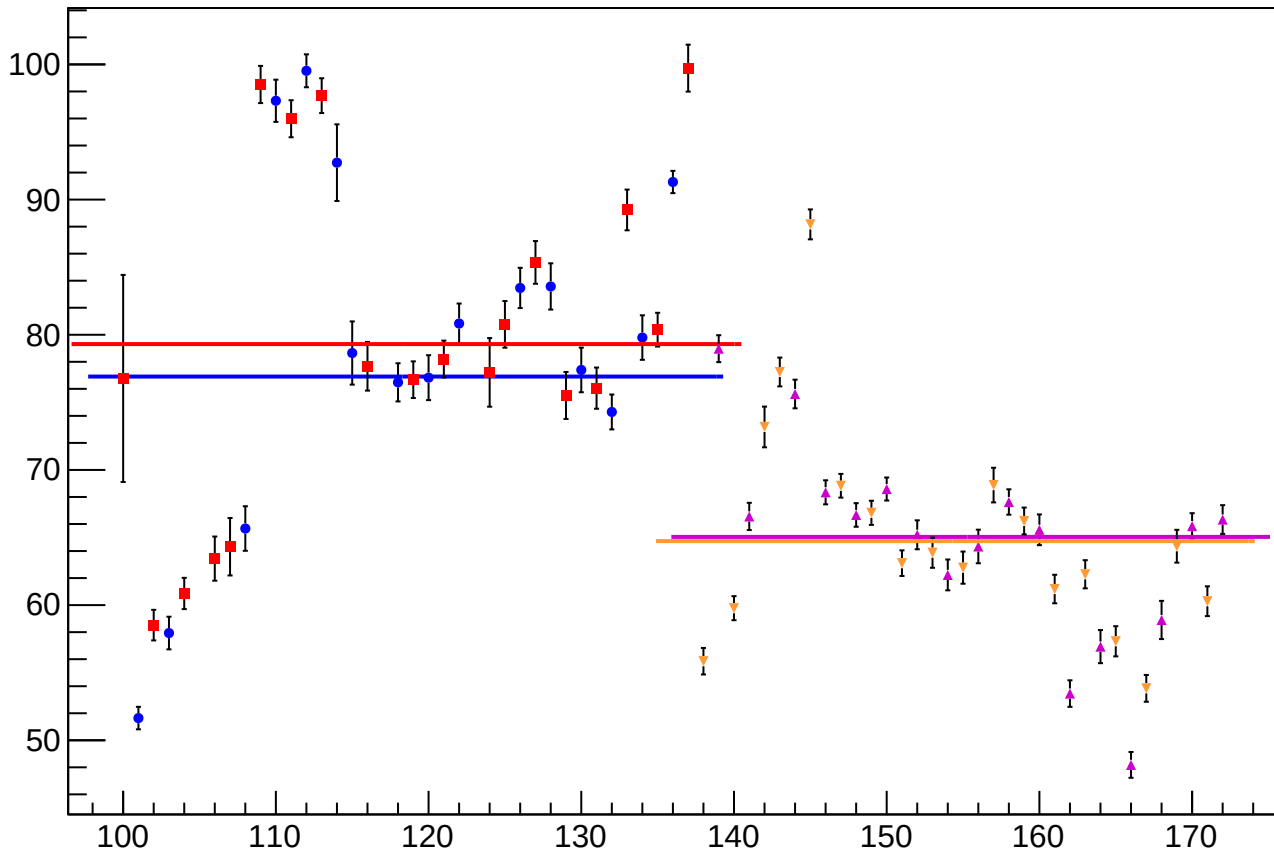
Left In: 1.385 $\pm$ 0.176 χ^2/NDF : 301.4/16

+ sign 2.322 $\pm$ 0.151 χ^2/NDF : 901.4/33

All: 2.361 $\pm$ 0.108 χ^2/NDF : 1537.6/69

- sign 2.402 $\pm$ 0.155 χ^2/NDF : 636.1/35

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.909 ± 0.337 $\chi^2/\text{NDF}: 2116.0/15$

Left Out: 64.736 ± 0.247 $\chi^2/\text{NDF}: 974.0/17$

Right Out: 79.311 ± 0.348 $\chi^2/\text{NDF}: 1496.4/18$

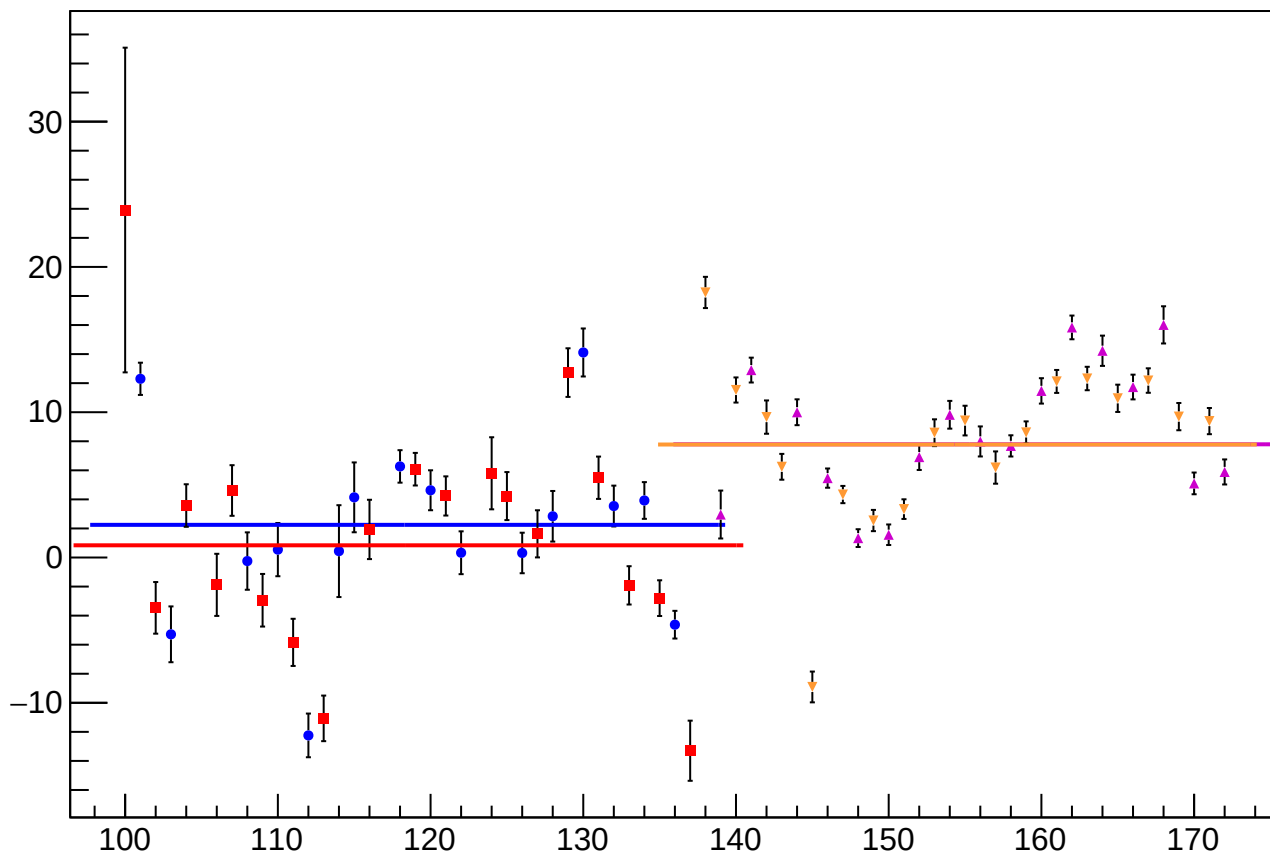
Left In: 65.047 ± 0.248 $\chi^2/\text{NDF}: 862.5/16$

+ sign 68.994 ± 0.199 $\chi^2/\text{NDF}: 3939.0/33$

All: 69.413 ± 0.142 $\chi^2/\text{NDF}: 7423.0/69$

- sign 69.842 ± 0.202 $\chi^2/\text{NDF}: 3475.0/35$

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

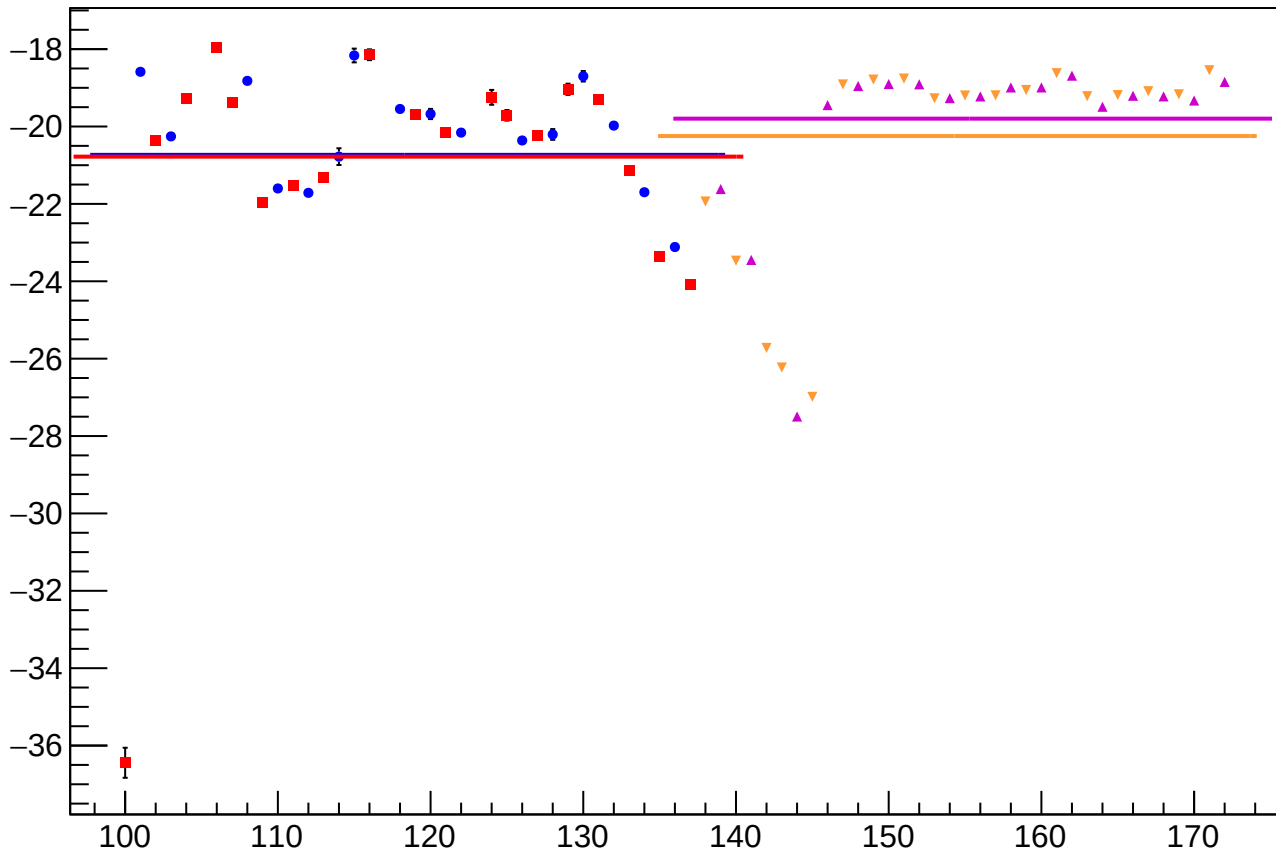
Left In: 7.792 ± 0.204 χ^2/NDF : 490.7/16

+ sign 6.480 ± 0.176 χ^2/NDF : 1107.3/33

All: 6.334 ± 0.125 χ^2/NDF : 2123.9/69

- sign 6.182 ± 0.179 χ^2/NDF : 1015.2/35

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.732 ± 0.019 $\chi^2/\text{NDF}: 7634.1/15$

Left Out: -20.246 ± 0.009 $\chi^2/\text{NDF}: 72726.8/17$

Right Out: -20.778 ± 0.020 $\chi^2/\text{NDF}: 9426.6/18$

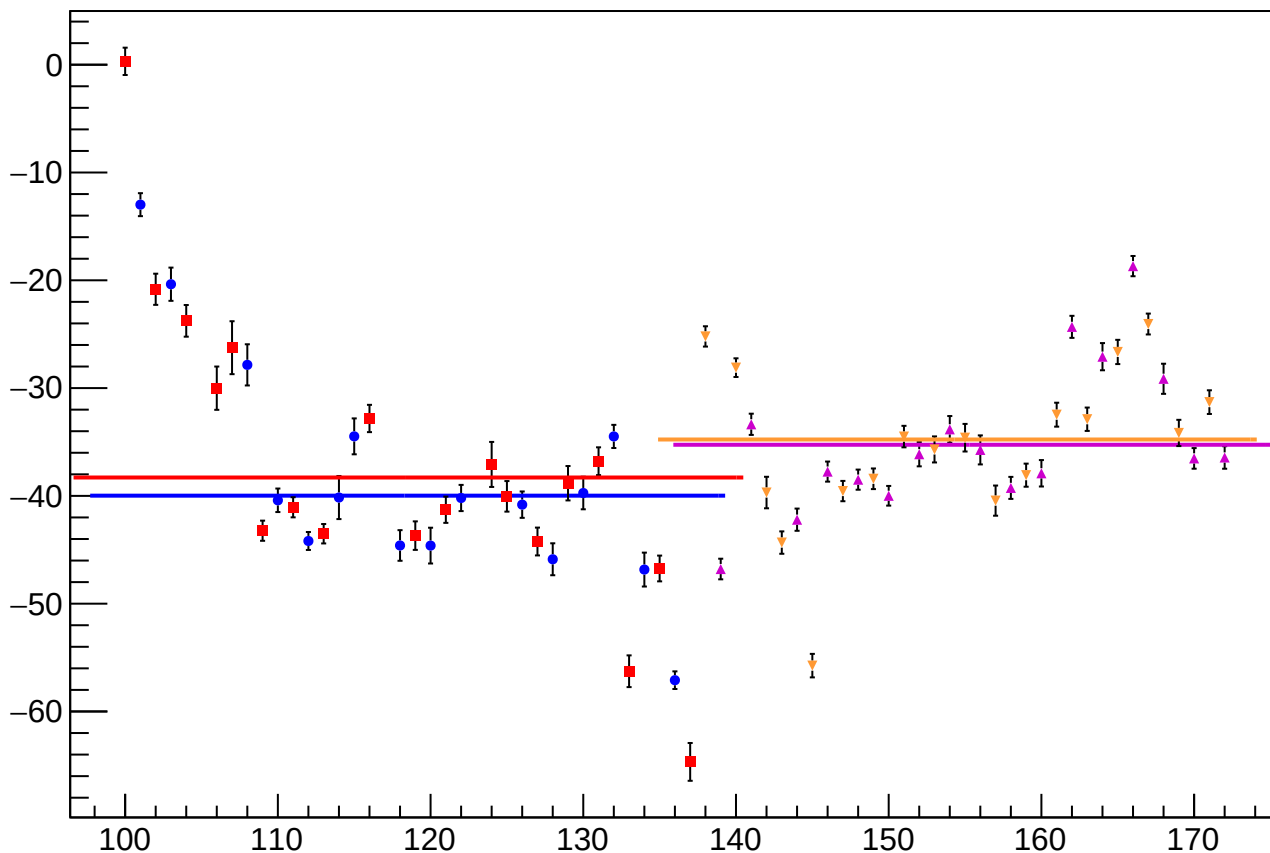
Left In: -19.797 ± 0.009 $\chi^2/\text{NDF}: 42303.2/16$

+ sign -20.338 ± 0.008 $\chi^2/\text{NDF}: 80869.5/33$

All: -20.153 ± 0.006 $\chi^2/\text{NDF}: 135519.5/69$

- sign -19.967 ± 0.008 $\chi^2/\text{NDF}: 53683.0/35$

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

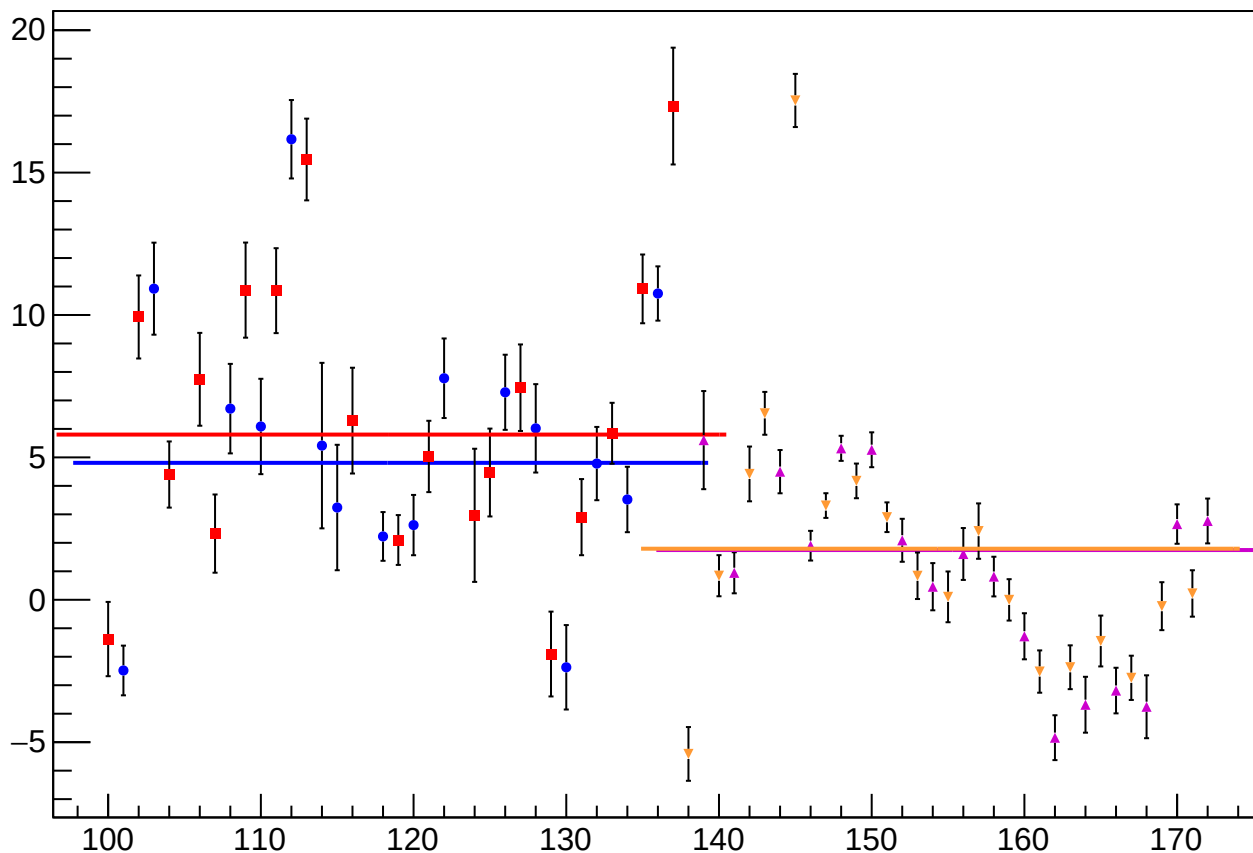
Left In: -35.257 ± 0.255 χ^2/NDF : 752.3/16

+ sign -36.844 ± 0.196 χ^2/NDF : 2454.7/33

All: -36.687 ± 0.138 χ^2/NDF : 5041.8/69

- sign -36.534 ± 0.194 χ^2/NDF : 2585.9/35

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

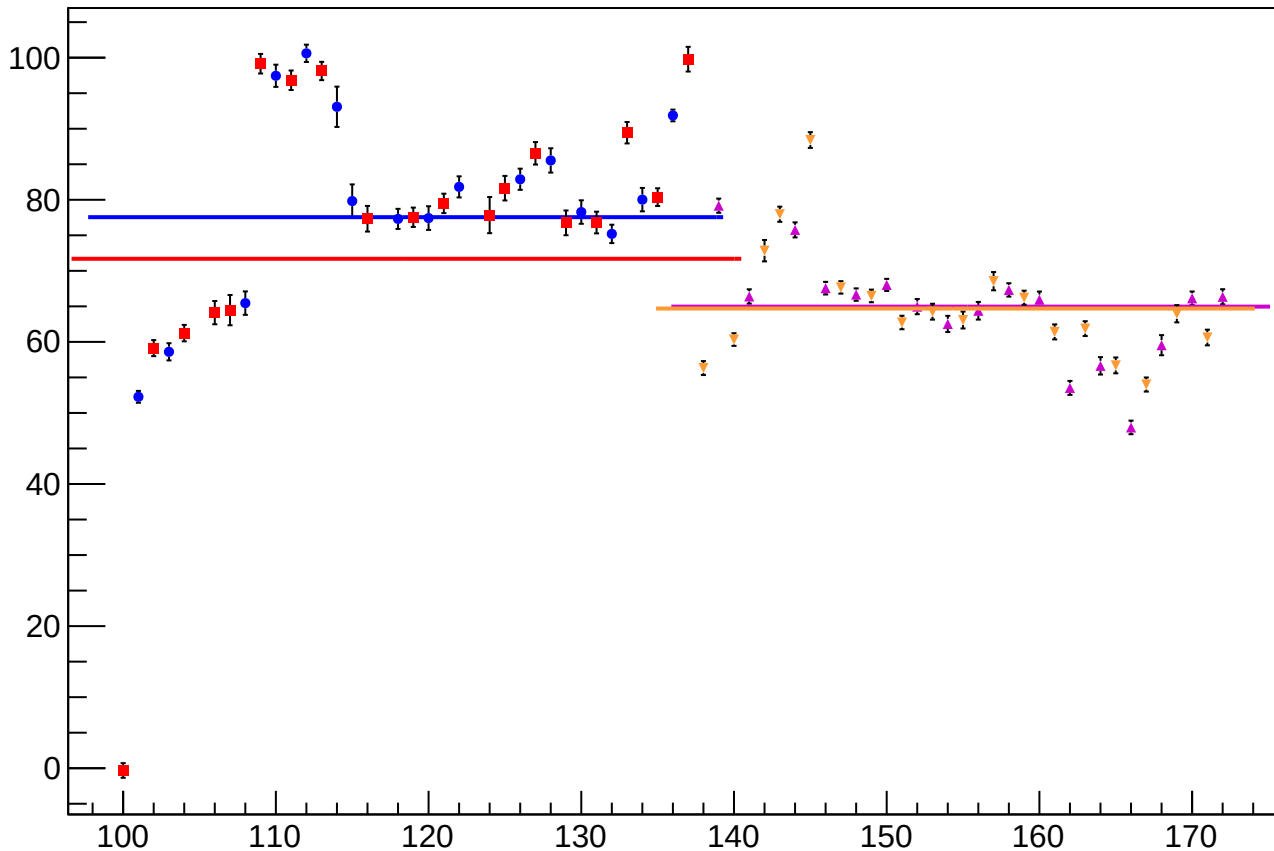
Left In: 1.747 ± 0.176 χ^2/NDF : 303.6/16

+ sign 2.481 ± 0.151 χ^2/NDF : 865.4/33

All: 2.595 ± 0.108 χ^2/NDF : 1512.8/69

- sign 2.712 ± 0.154 χ^2/NDF : 646.2/35

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 77.554 ± 0.337 $\chi^2/\text{NDF}: 2118.3/15$

Left Out: 64.694 ± 0.247 $\chi^2/\text{NDF}: 968.4/17$

Right Out: 71.699 ± 0.330 $\chi^2/\text{NDF}: 6903.5/18$

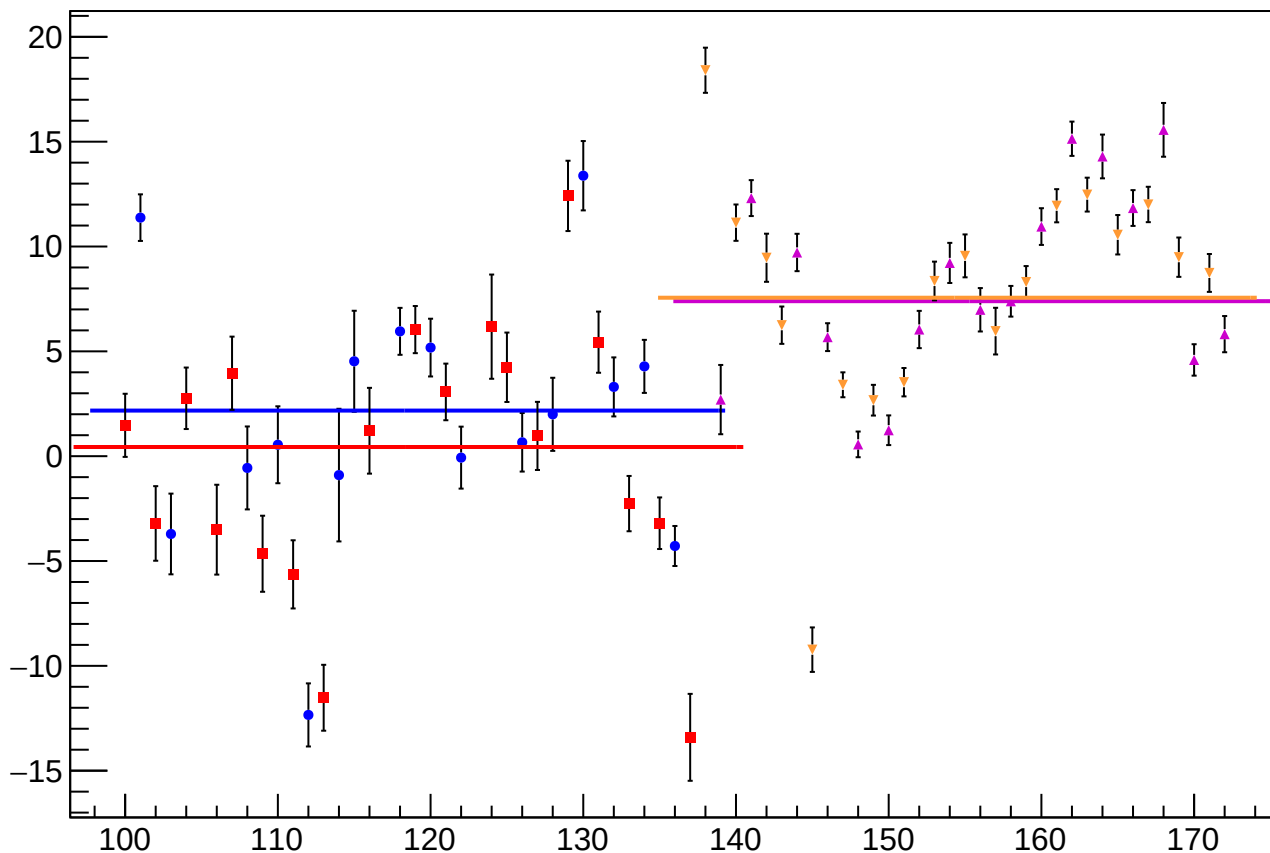
Left In: 64.966 ± 0.248 $\chi^2/\text{NDF}: 860.0/16$

+ sign 69.192 ± 0.200 $\chi^2/\text{NDF}: 4031.3/33$

All: 68.287 ± 0.141 $\chi^2/\text{NDF}: 12101.3/69$

- sign 67.392 ± 0.198 $\chi^2/\text{NDF}: 8029.1/35$

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

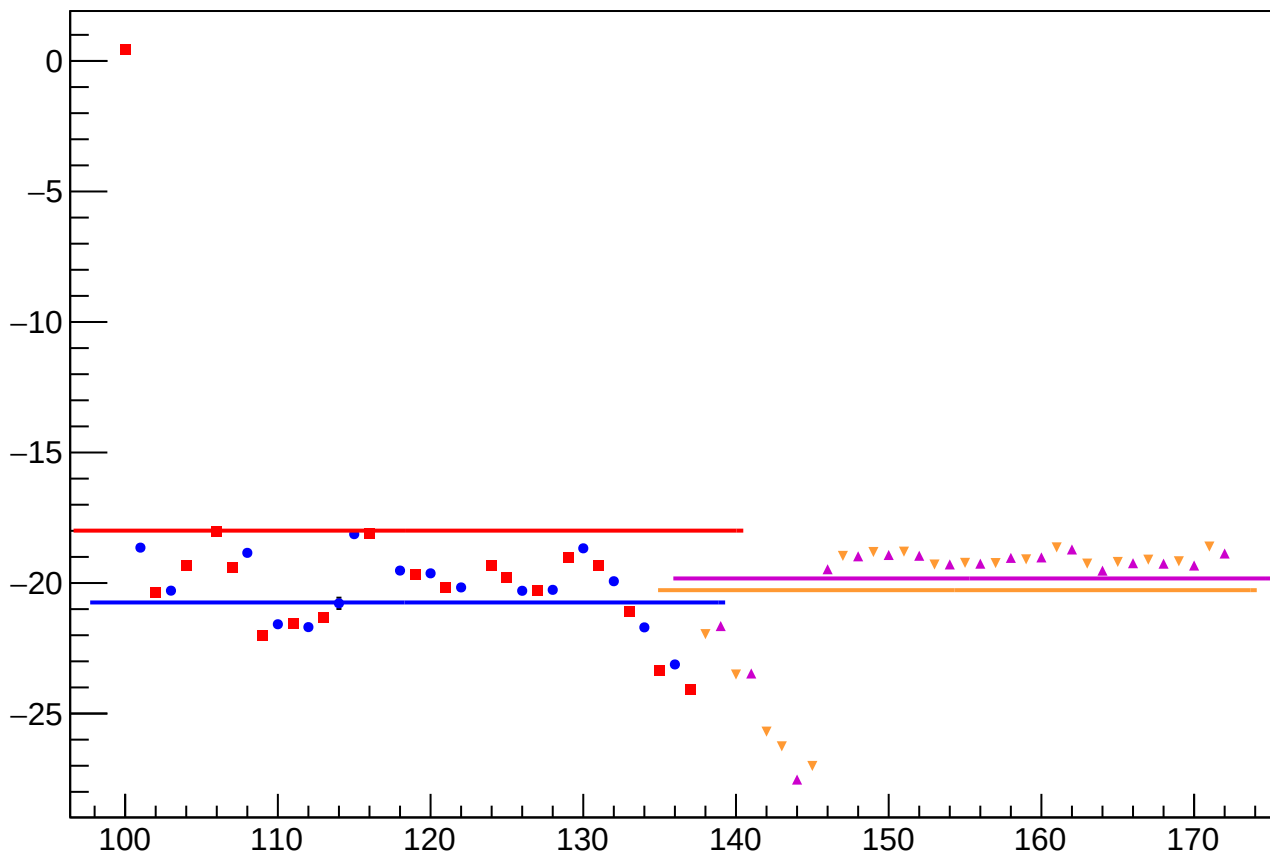
Left In: 7.393 ± 0.205 χ^2/NDF : 495.4/16

+ sign 6.295 ± 0.176 χ^2/NDF : 1080.0/33

All: 6.005 ± 0.125 χ^2/NDF : 2114.9/69

- sign 5.709 ± 0.178 χ^2/NDF : 1029.4/35

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.745 ± 0.019 $\chi^2/\text{NDF}: 7513.6/15$

Left Out: -20.274 ± 0.009 $\chi^2/\text{NDF}: 72249.4/17$

Right Out: -17.993 ± 0.019 $\chi^2/\text{NDF}: 150579.1/18$

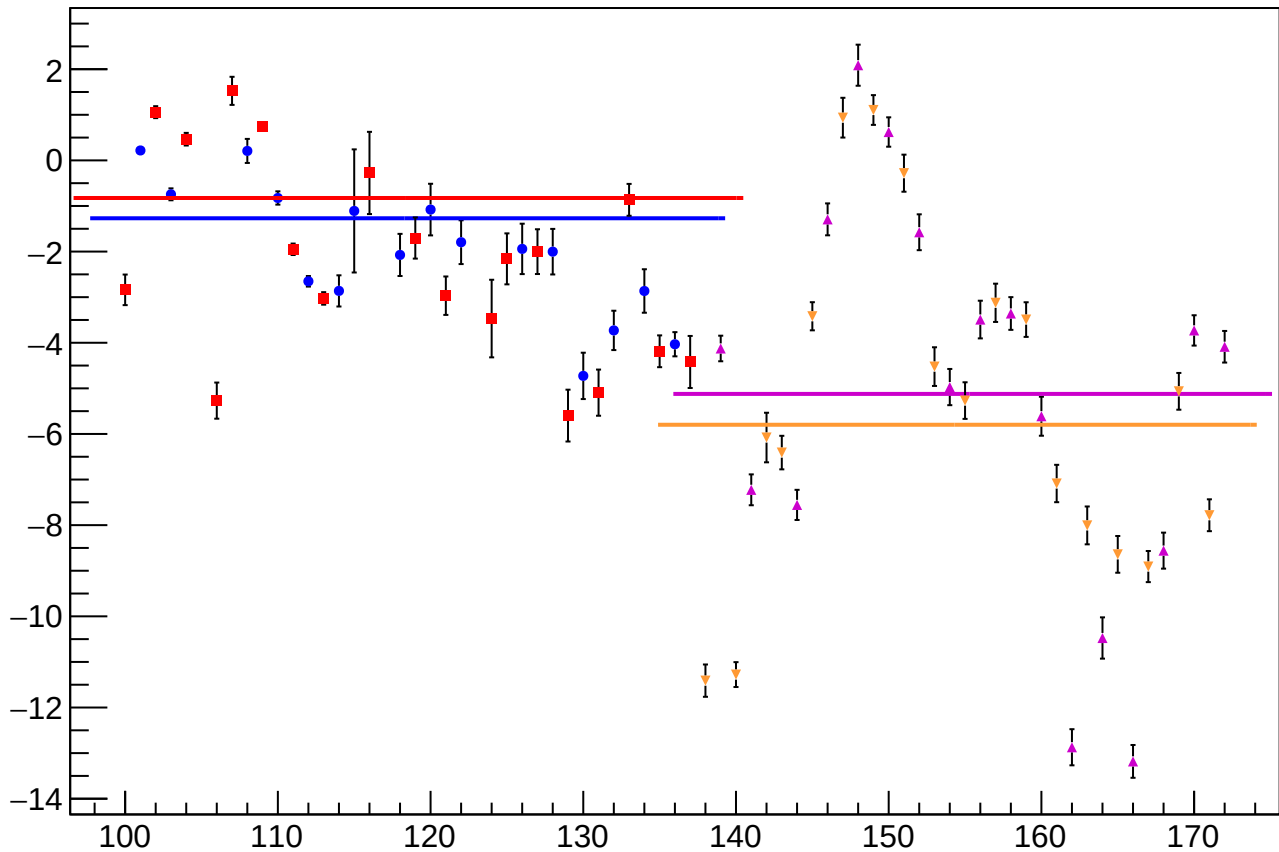
Left In: -19.825 ± 0.009 $\chi^2/\text{NDF}: 42153.2/16$

+ sign -20.362 ± 0.008 $\chi^2/\text{NDF}: 80238.5/33$

All: -19.909 ± 0.006 $\chi^2/\text{NDF}: 286240.6/69$

- sign -19.468 ± 0.008 $\chi^2/\text{NDF}: 200317.2/35$

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

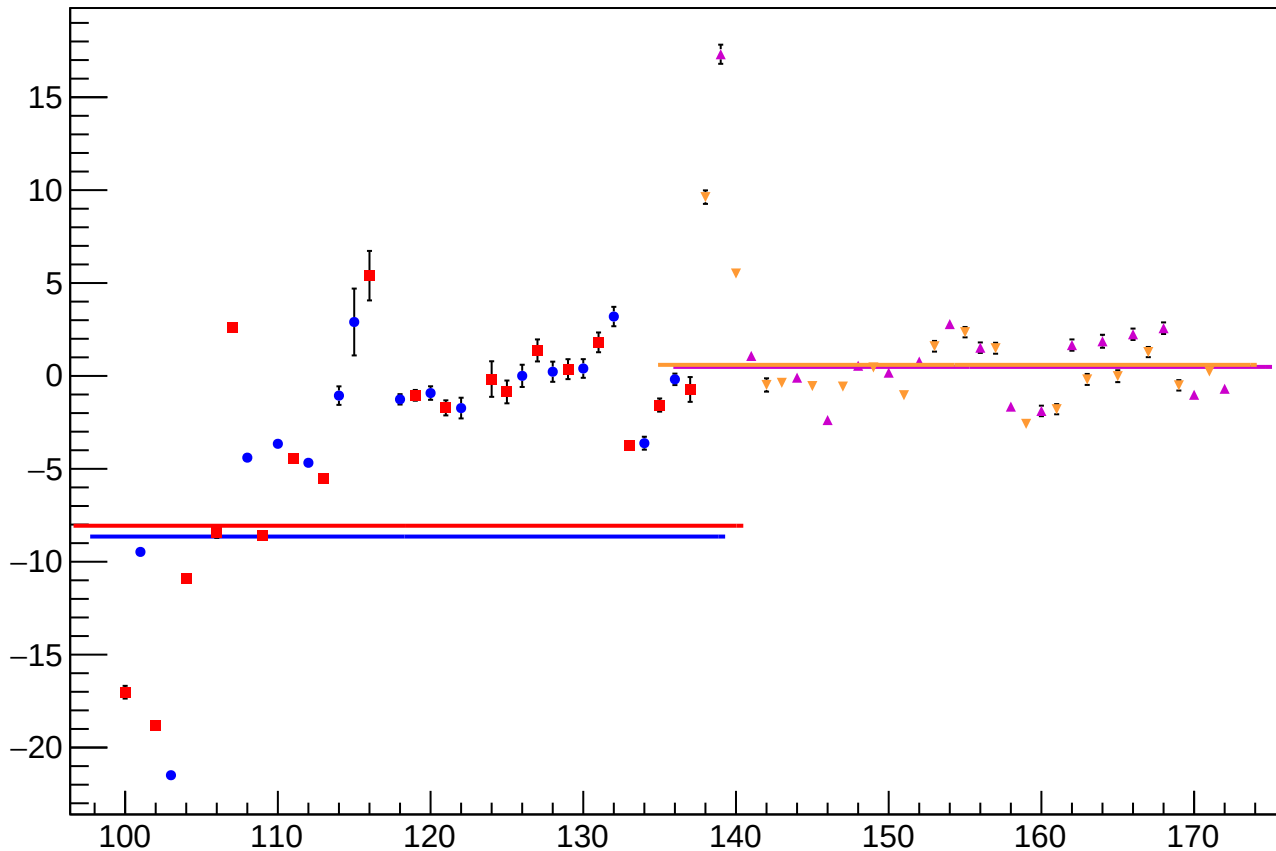
Left In: -5.122 ± 0.088 χ^2/NDF : 2048.0/16

+ sign -2.522 ± 0.046 χ^2/NDF : 4405.9/33

All: -2.196 ± 0.032 χ^2/NDF : 9704.7/69

- sign -1.899 ± 0.044 χ^2/NDF : 5204.2/35

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

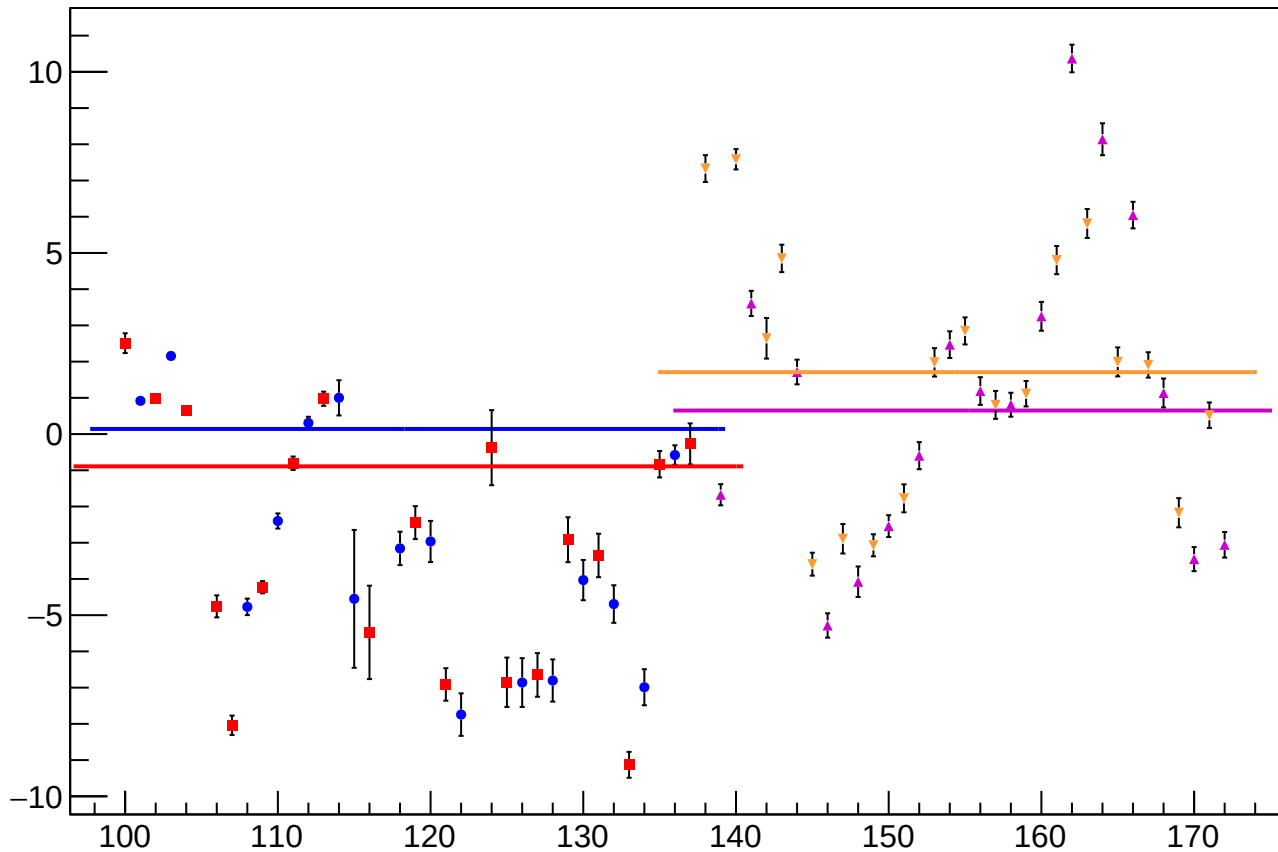
Left In: 0.486 ± 0.064 χ^2/NDF : 1662.7/16

+ sign -4.450 ± 0.042 χ^2/NDF : 27309.7/33

All: -4.355 ± 0.030 χ^2/NDF : 53250.2/69

- sign -4.257 ± 0.043 χ^2/NDF : 25930.2/35

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

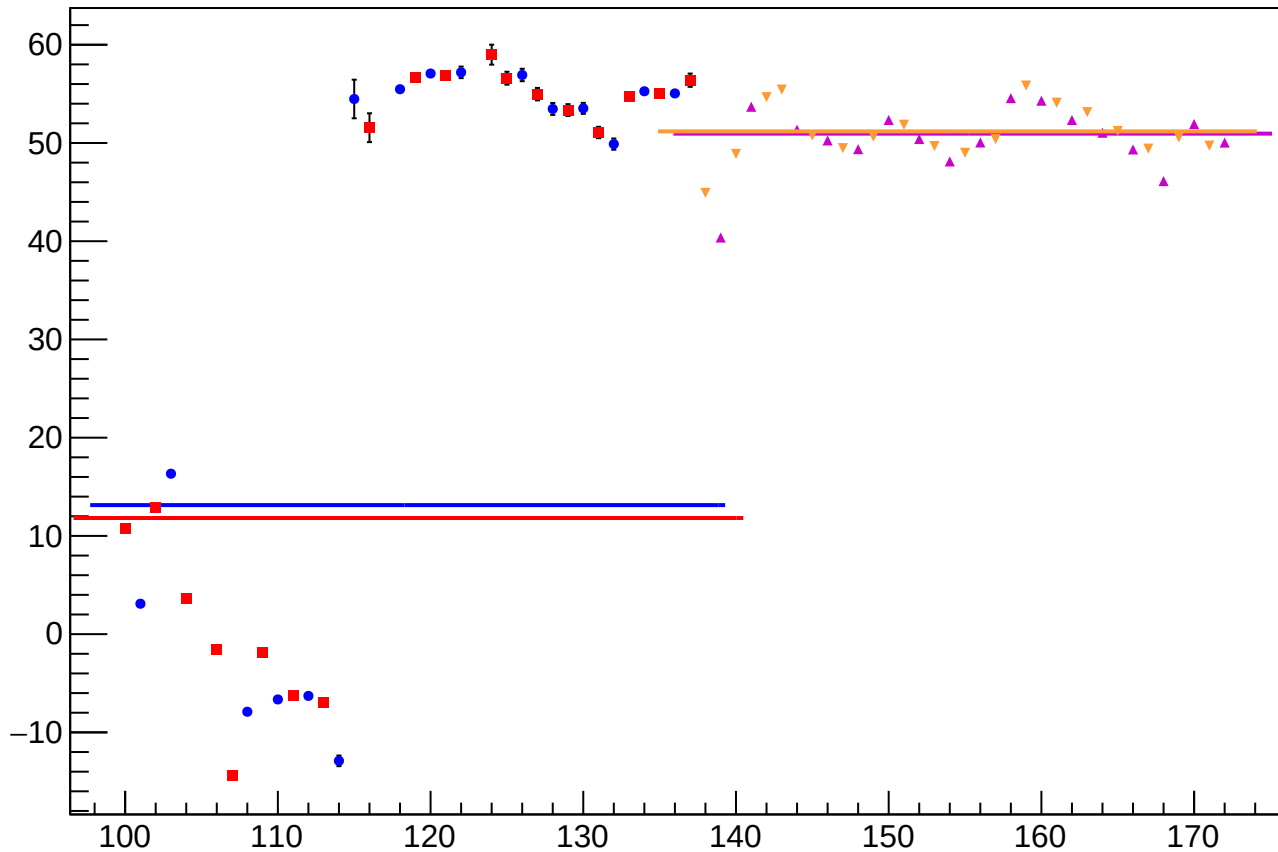
Left In: 0.650 ± 0.086 χ^2/NDF : 2195.2/16

+ sign 0.569 ± 0.045 χ^2/NDF : 3967.0/33

All: 0.058 ± 0.032 χ^2/NDF : 9636.0/69

- sign -0.463 ± 0.046 χ^2/NDF : 5410.3/35

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.136 $\pm$ 0.068 χ^2 /NDF: 108574.4/15

Left Out: 51.181 $\pm$ 0.072 χ^2 /NDF: 1172.7/17

Right Out: 11.822 $\pm$ 0.068 χ^2 /NDF: 118168.5/18

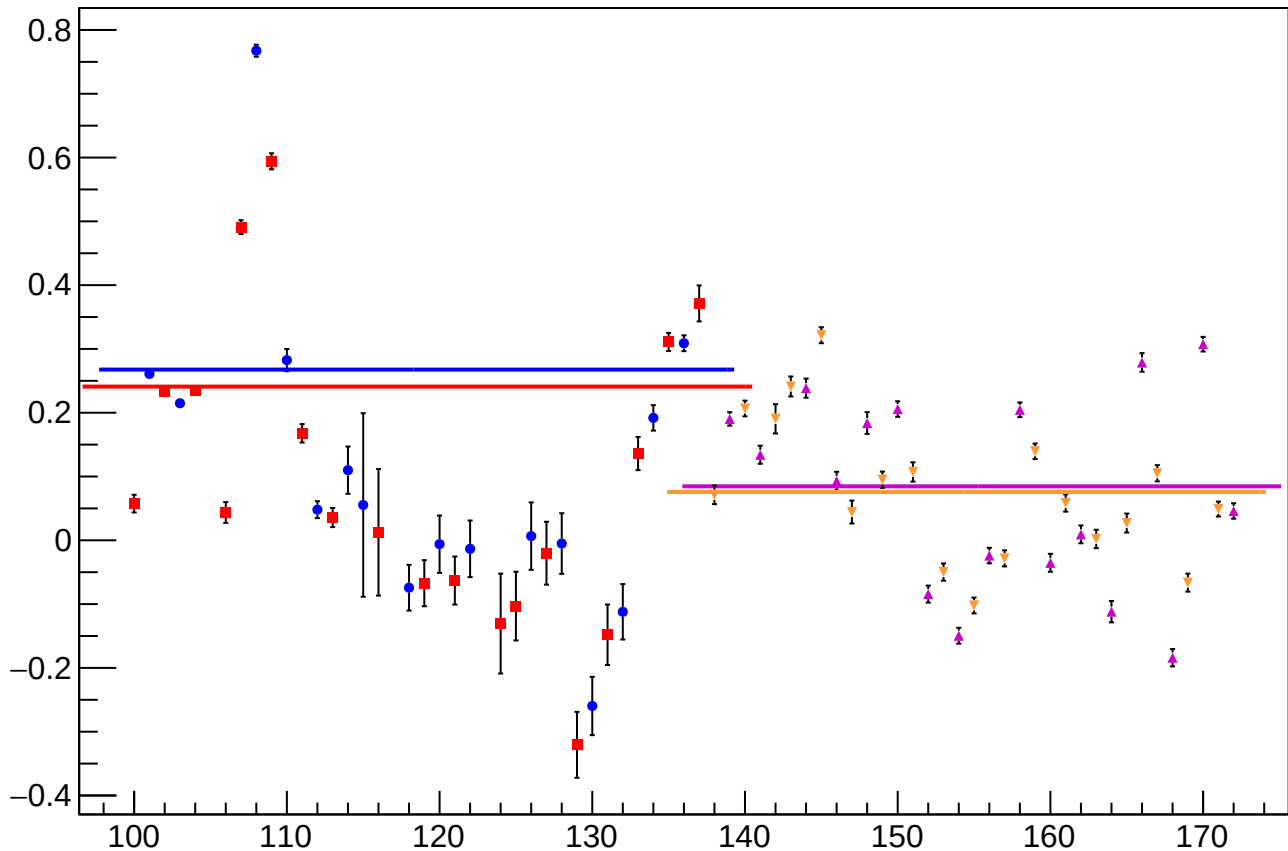
Left In: 50.952 $\pm$ 0.073 χ^2 /NDF: 1267.8/16

+ sign 31.070 $\pm$ 0.049 χ^2 /NDF: 257544.4/33

All: 30.492 $\pm$ 0.035 χ^2 /NDF: 530976.5/69

- sign 29.907 $\pm$ 0.050 χ^2 /NDF: 273156.8/35

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268 $\pm$ 0.003 χ^2 /NDF: 3720.4/15

Left Out: 0.076 $\pm$ 0.003 χ^2 /NDF:1182.7/17

Right Out: 0.241 $\pm$ 0.003 χ^2 /NDF: 2339.2/18

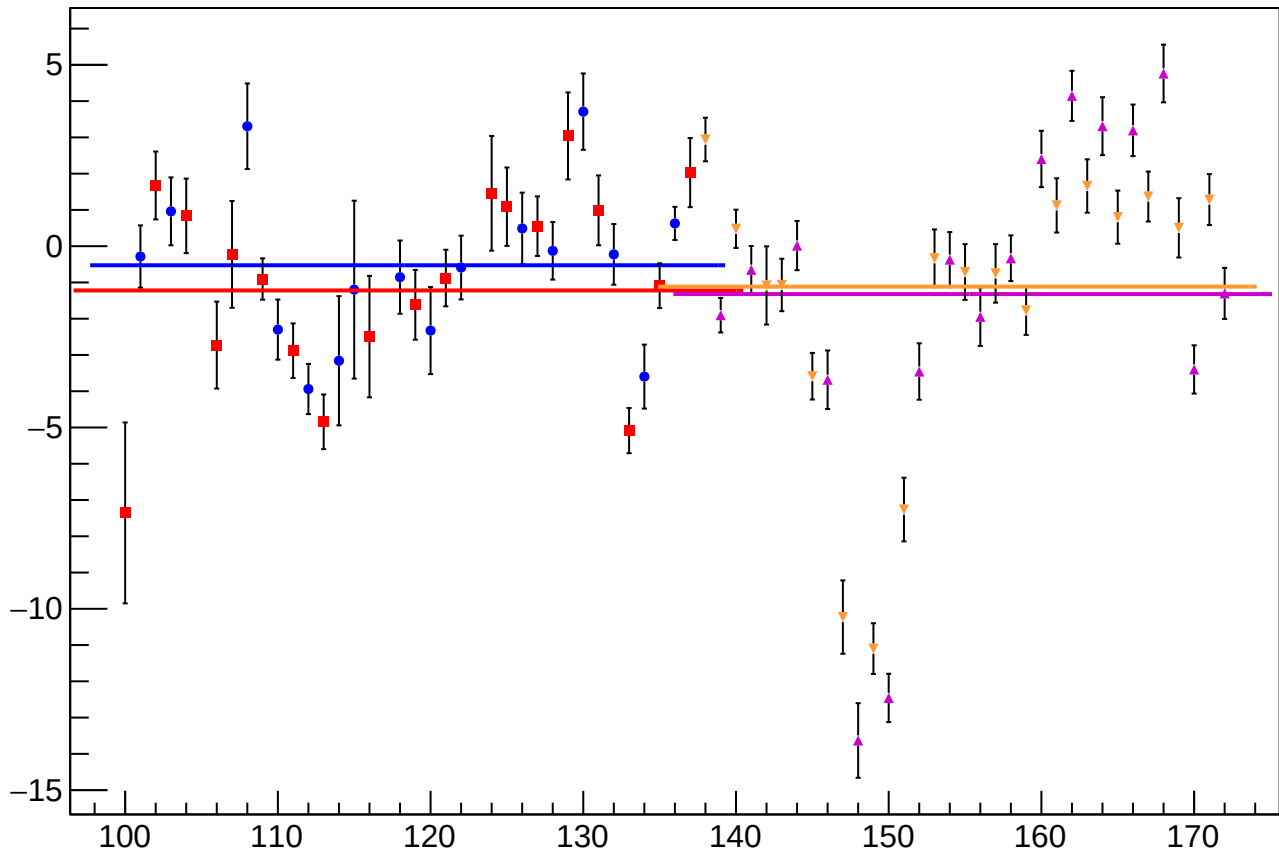
Left In: 0.085 $\pm$ 0.003 χ^2 /NDF:2243.1/16

+ sign 0.186 $\pm$ 0.002 χ^2 /NDF: 6918.3/33

All: 0.180 $\pm$ 0.001 χ^2 /NDF: 12890.7/69

- sign 0.175 $\pm$ 0.002 χ^2 /NDF: 5958.4/35

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

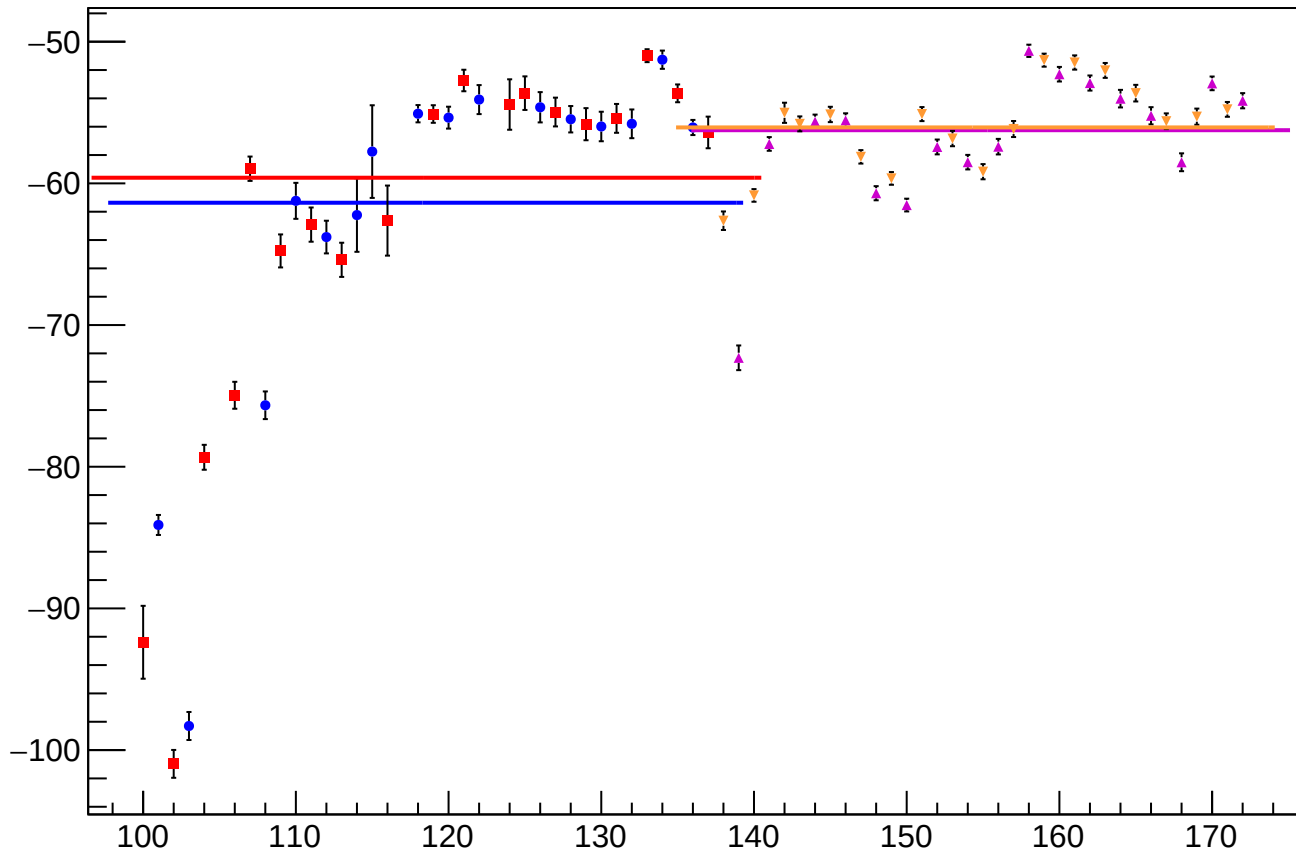
Left In: -1.321 ± 0.171 χ^2/NDF : 677.7/16

+ sign -0.889 ± 0.135 χ^2/NDF : 551.8/33

All: -1.089 ± 0.094 χ^2/NDF : 1364.8/69

- sign -1.280 ± 0.131 χ^2/NDF : 808.7/35

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.367 ± 0.219 $\chi^2/\text{NDF}: 3351.2/15$

Left Out: -56.051 ± 0.124 $\chi^2/\text{NDF}: 618.3/17$

Right Out: -59.601 ± 0.207 $\chi^2/\text{NDF}: 3421.3/18$

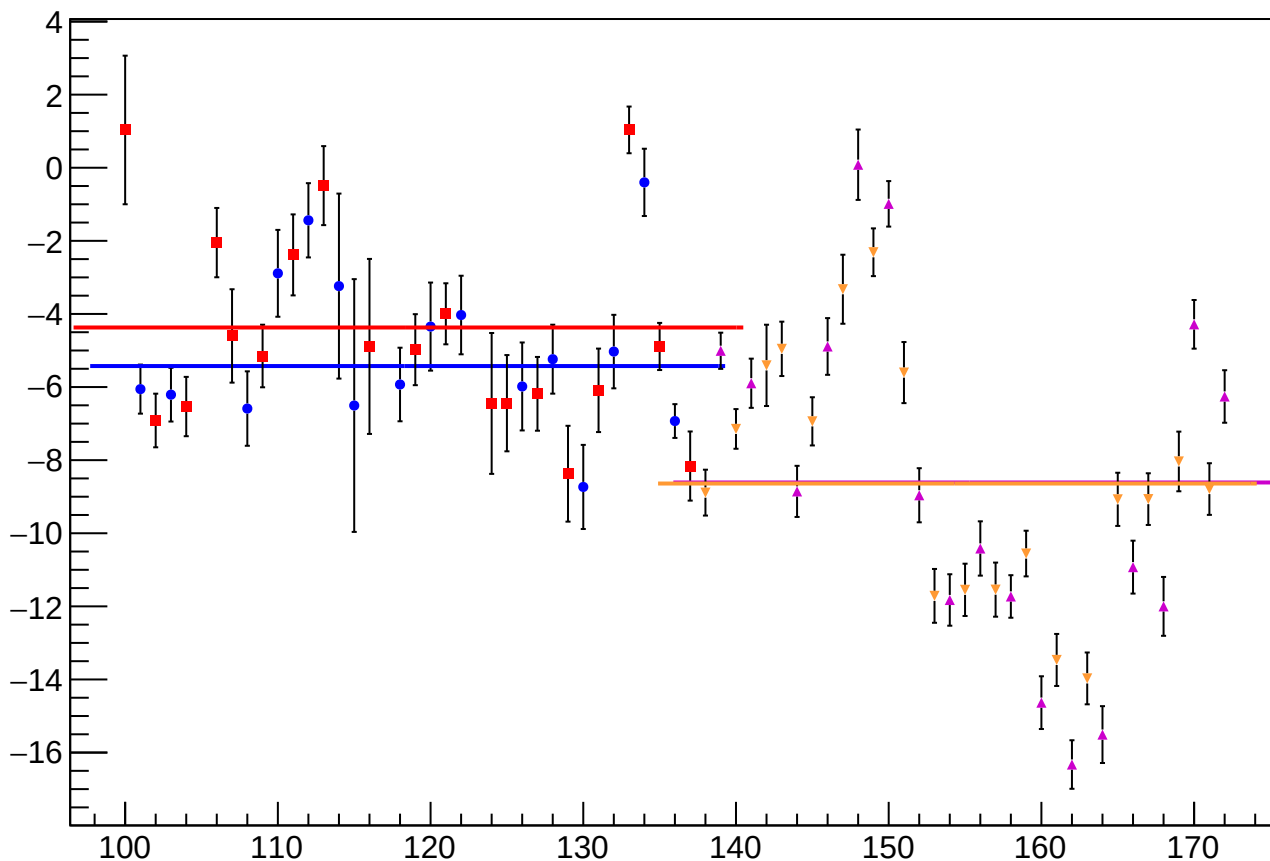
Left In: -56.247 ± 0.128 $\chi^2/\text{NDF}: 949.2/16$

+ sign -57.342 ± 0.108 $\chi^2/\text{NDF}: 4415.5/33$

All: -57.258 ± 0.077 $\chi^2/\text{NDF}: 8978.0/69$

- sign -57.173 ± 0.109 $\chi^2/\text{NDF}: 4561.3/35$

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

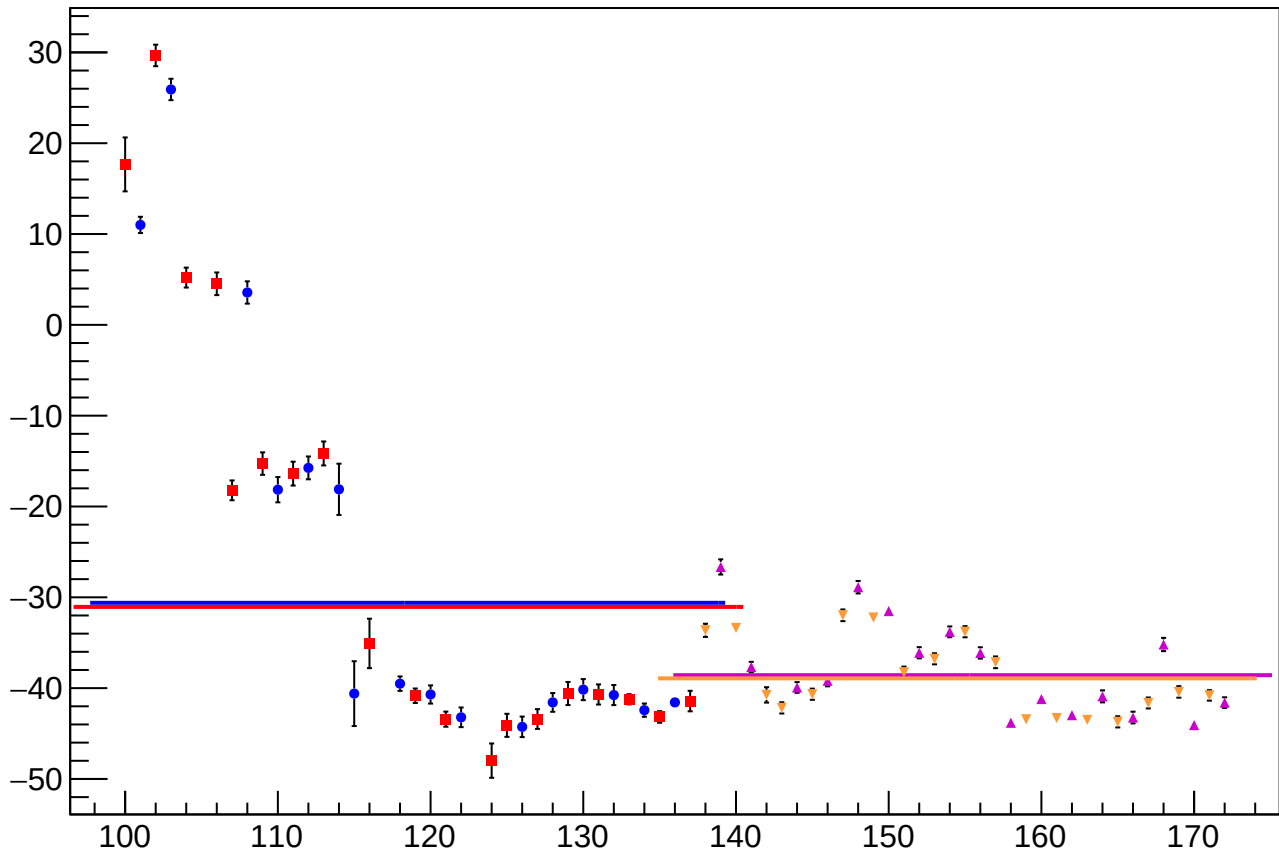
Left In: -8.611 ± 0.167 χ^2/NDF : 743.7/16

+ sign -7.518 ± 0.136 χ^2/NDF : 551.9/33

All: -7.295 ± 0.095 χ^2/NDF : 1689.6/69

- sign -7.080 ± 0.134 χ^2/NDF : 1132.4/35

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

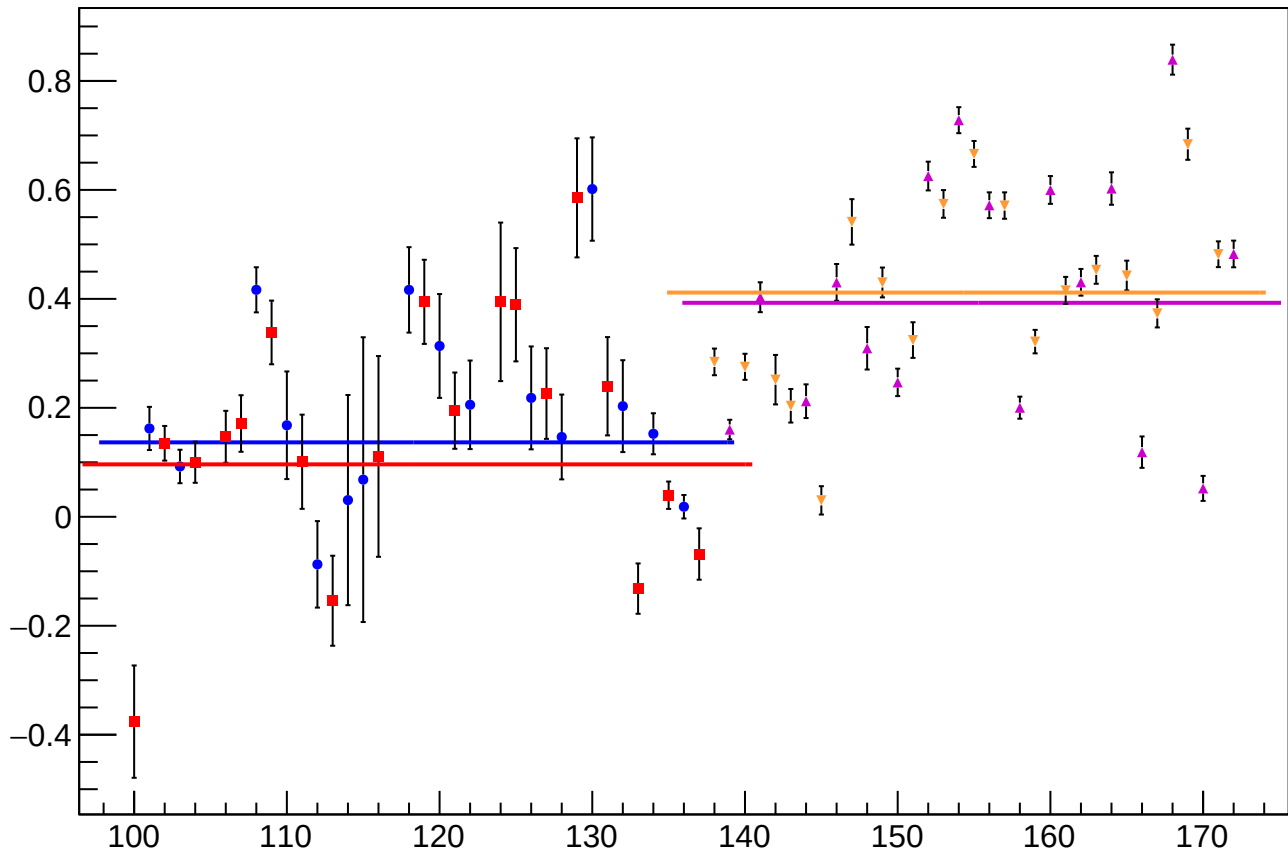
Left In: -38.573 ± 0.144 χ^2/NDF : 1134.6/16

+ sign -36.901 ± 0.123 χ^2/NDF : 8661.5/33

All: -36.731 ± 0.087 χ^2/NDF : 17508.3/69

- sign -36.561 ± 0.123 χ^2/NDF : 8843.0/35

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.137 $\pm$ 0.013 χ^2/NDF : 129.2/15

Left Out: 0.412 $\pm$ 0.006 χ^2/NDF : 671.5/17

Right Out: 0.096 $\pm$ 0.012 χ^2/NDF : 147.7/18

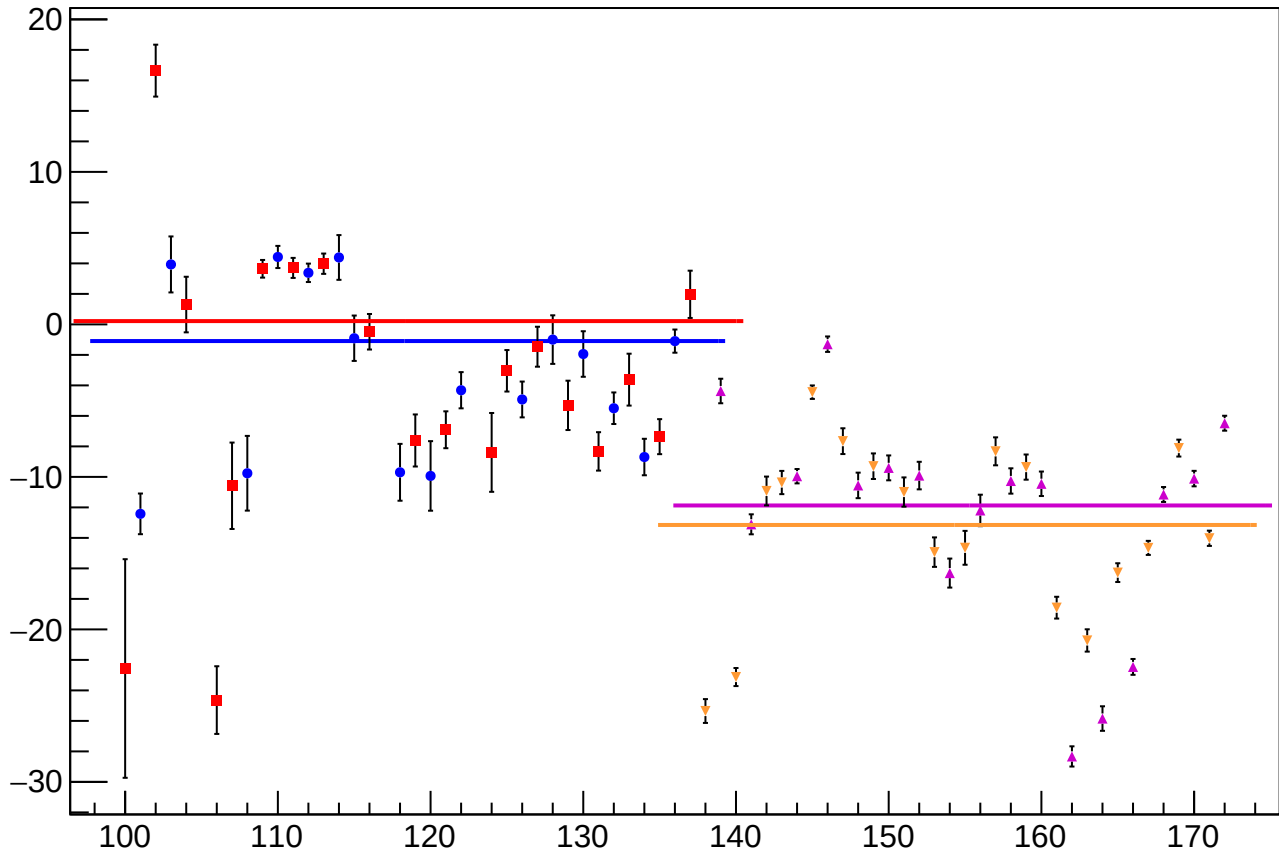
Left In: 0.393 $\pm$ 0.006 χ^2/NDF : 1369.8/16

+ sign 0.356 $\pm$ 0.006 χ^2/NDF : 1187.2/33

All: 0.345 $\pm$ 0.004 χ^2/NDF : 3175.3/69

- sign 0.334 $\pm$ 0.006 χ^2/NDF : 1979.9/35

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

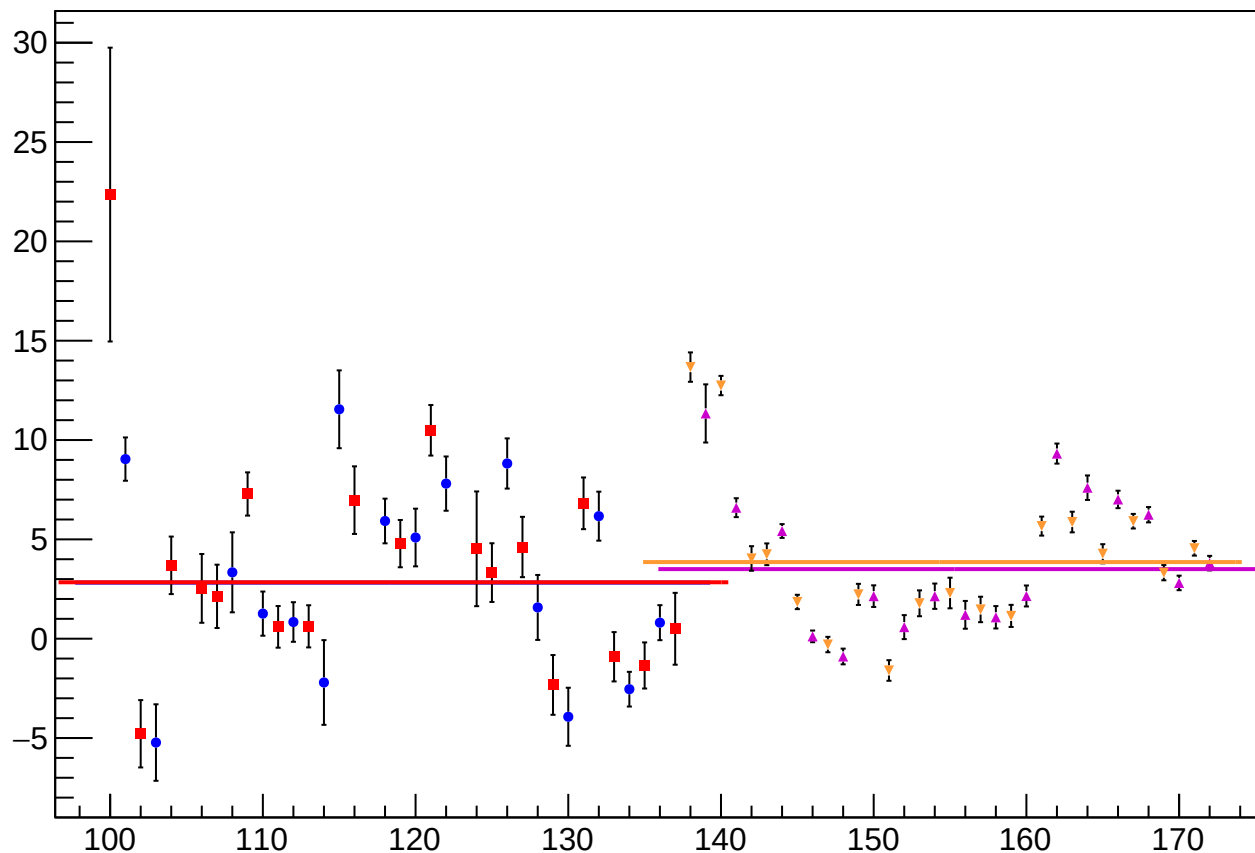
Left In: -11.874 ± 0.156 χ^2/NDF : 2056.4/16

+ sign -10.207 ± 0.139 χ^2/NDF : 3072.5/33

All: -9.476 ± 0.097 χ^2/NDF : 7240.2/69

- sign -8.790 ± 0.134 χ^2/NDF : 4113.9/35

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

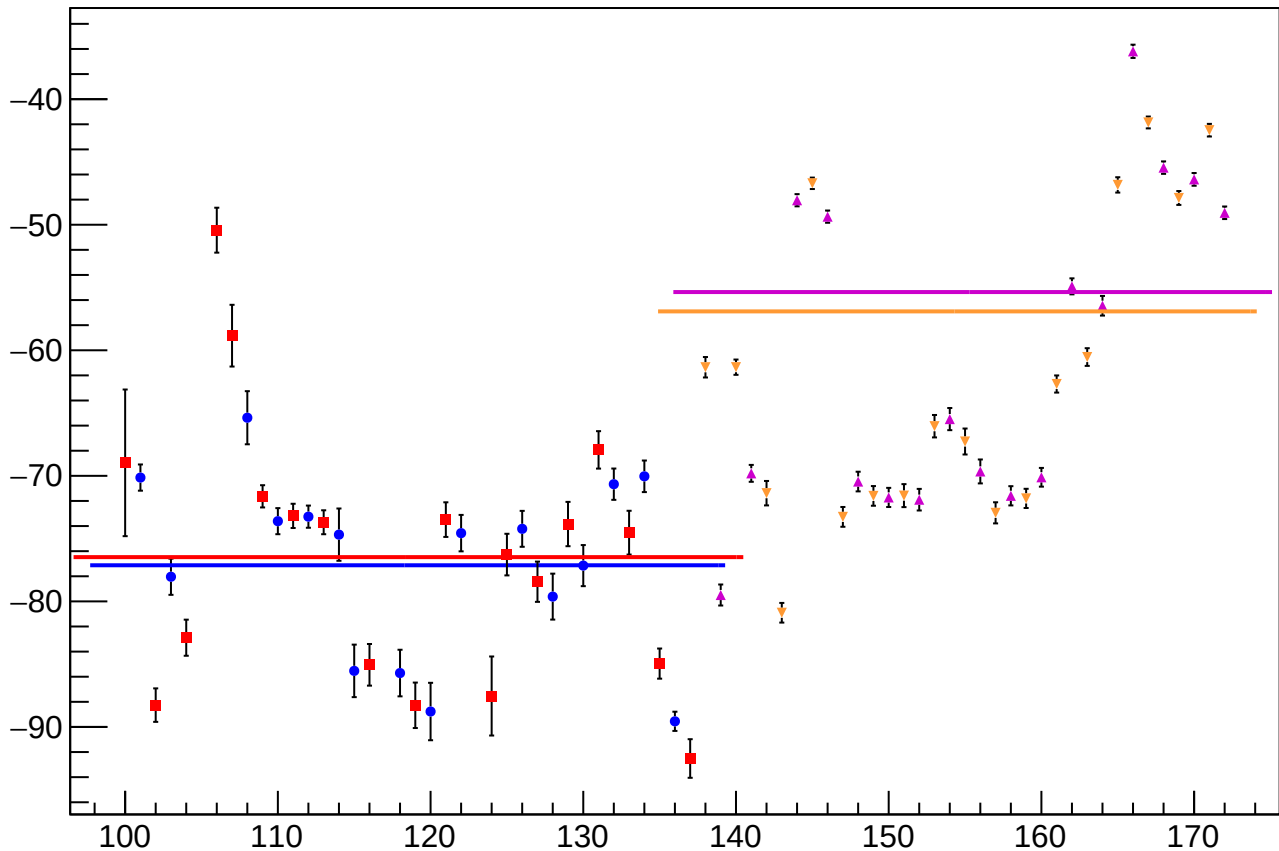
Left In: 3.502 ± 0.111 χ^2/NDF : 722.6/16

+ sign 3.737 ± 0.107 χ^2/NDF : 1103.9/33

All: 3.581 ± 0.075 χ^2/NDF : 1979.3/69

- sign 3.433 ± 0.105 χ^2/NDF : 871.3/35

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

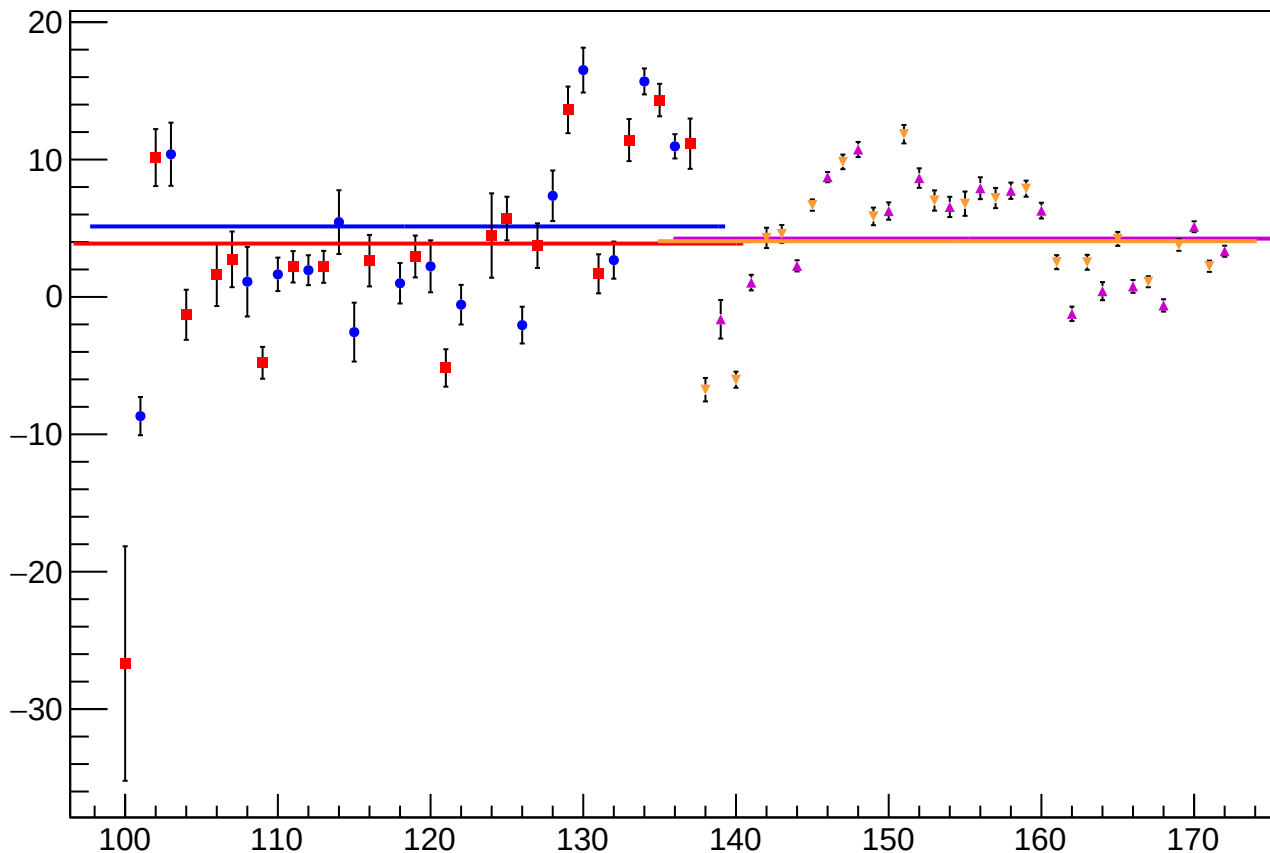
Left In: -55.362 ± 0.154 χ^2/NDF : 6254.1/16

+ sign -60.750 ± 0.142 χ^2/NDF : 9817.8/33

All: -59.937 ± 0.100 χ^2/NDF : 20219.8/69

- sign -59.158 ± 0.139 χ^2/NDF : 10338.1/35

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

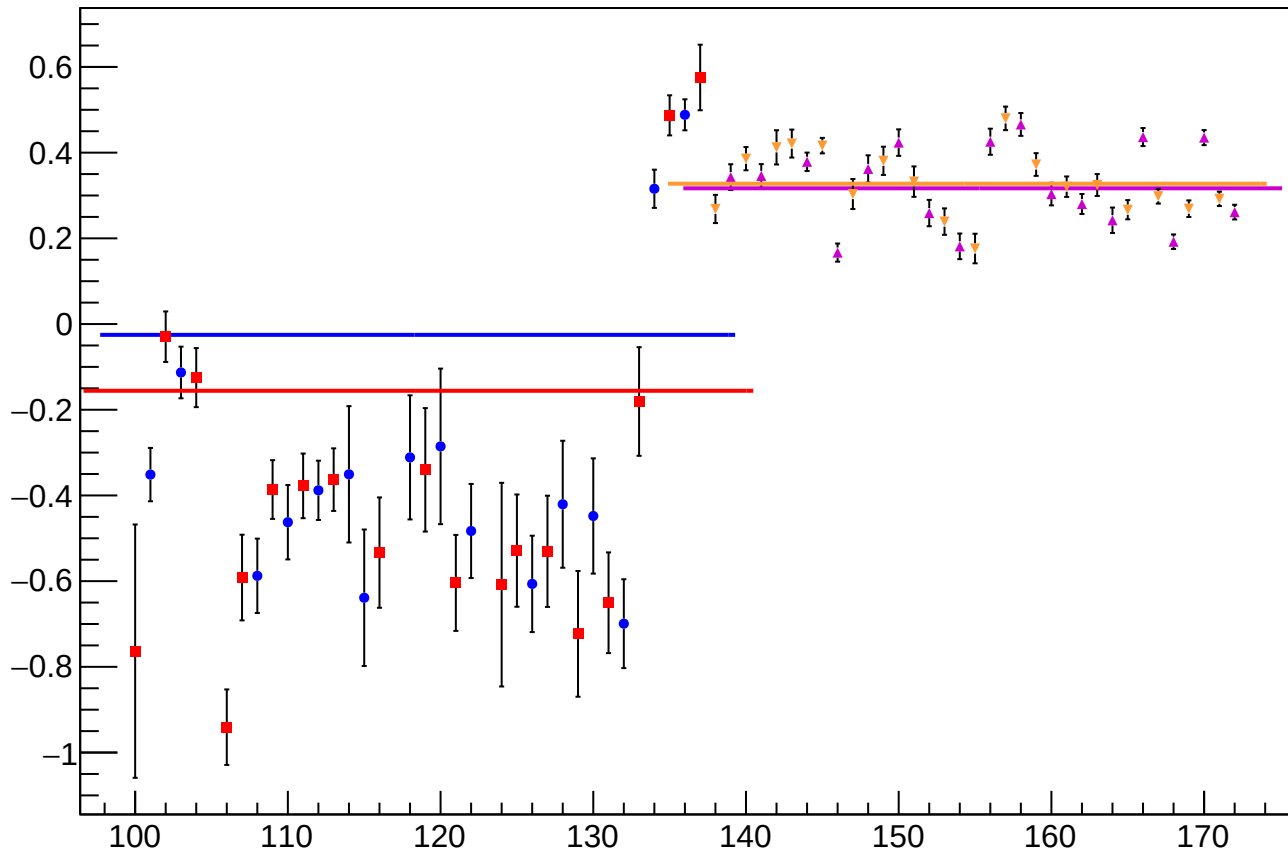
Left In: 4.246 ± 0.127 χ^2/NDF : 807.2/16

+ sign 4.189 ± 0.122 χ^2/NDF : 1355.7/33

All: 4.198 ± 0.086 χ^2/NDF : 2455.3/69

- sign 4.206 ± 0.120 χ^2/NDF : 1099.6/35

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

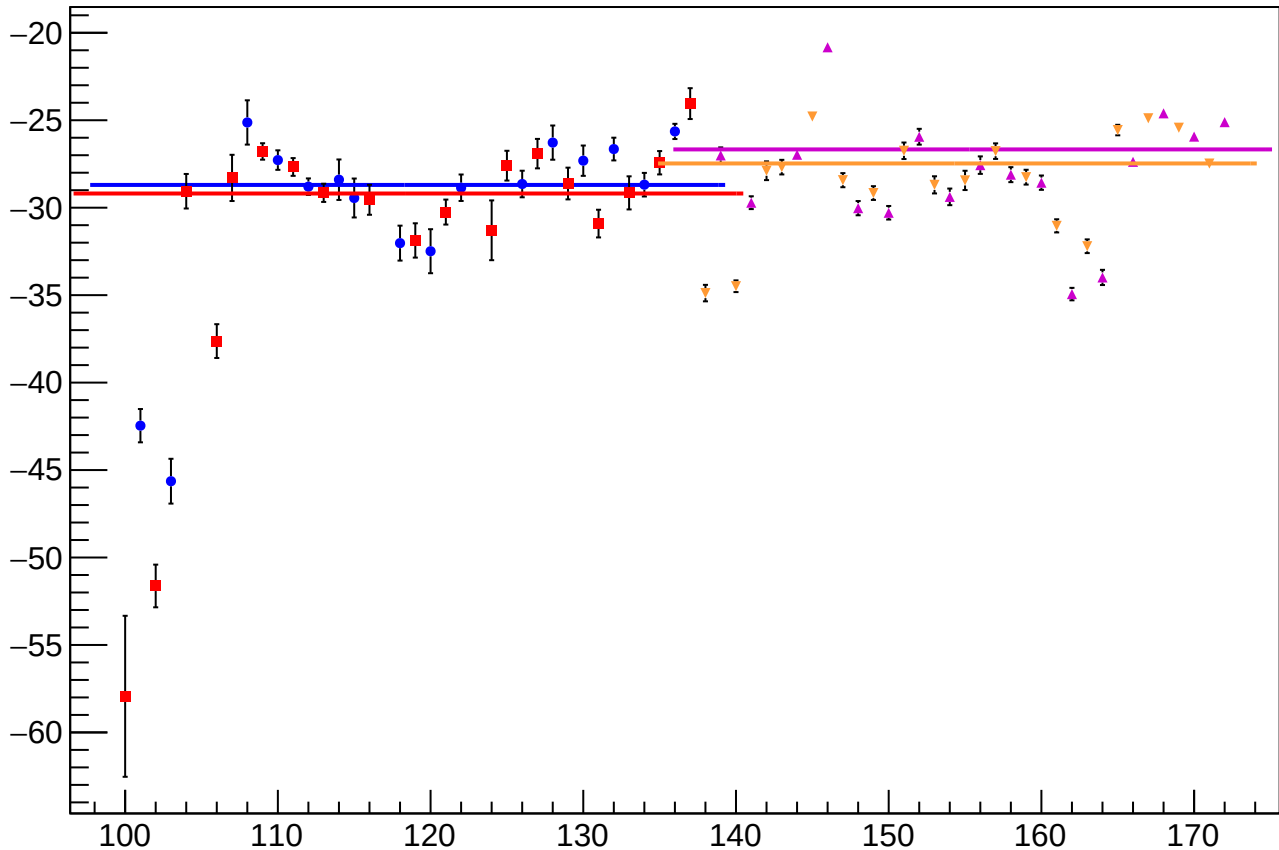
Left In: 0.317 ± 0.006 χ^2/NDF : 293.2/16

+ sign 0.297 ± 0.006 χ^2/NDF : 961.6/33

All: 0.289 ± 0.004 χ^2/NDF : 2259.0/69

- sign 0.281 ± 0.006 χ^2/NDF : 1293.7/35

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.698 ± 0.186 $\chi^2/\text{NDF}: 487.3/15$

Left Out: -27.470 ± 0.078 $\chi^2/\text{NDF}: 1397.6/17$

Right Out: -29.189 ± 0.181 $\chi^2/\text{NDF}: 557.3/18$

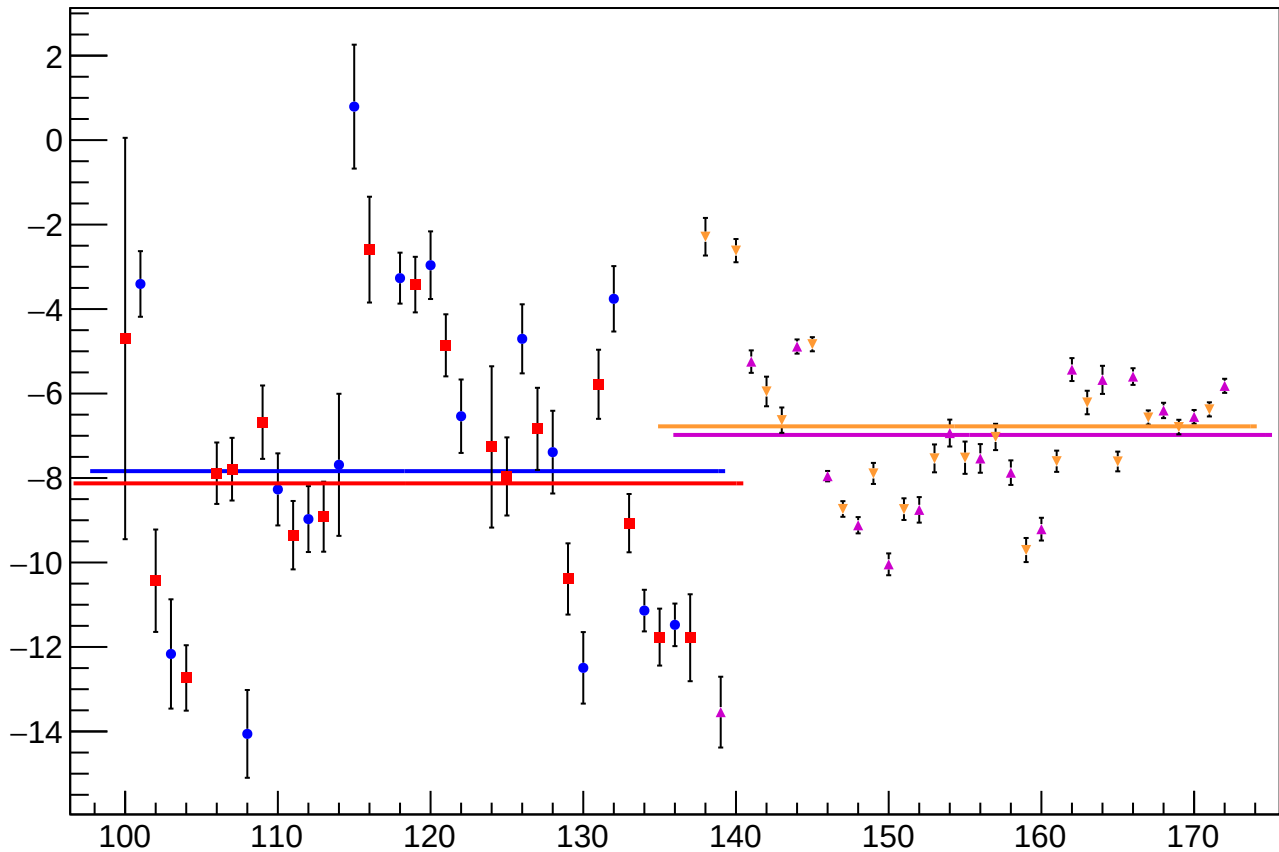
Left In: -26.668 ± 0.074 $\chi^2/\text{NDF}: 2070.6/16$

+ sign -27.654 ± 0.072 $\chi^2/\text{NDF}: 1922.0/33$

All: -27.326 ± 0.050 $\chi^2/\text{NDF}: 4755.6/69$

- sign -27.028 ± 0.068 $\chi^2/\text{NDF}: 2793.8/35$

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

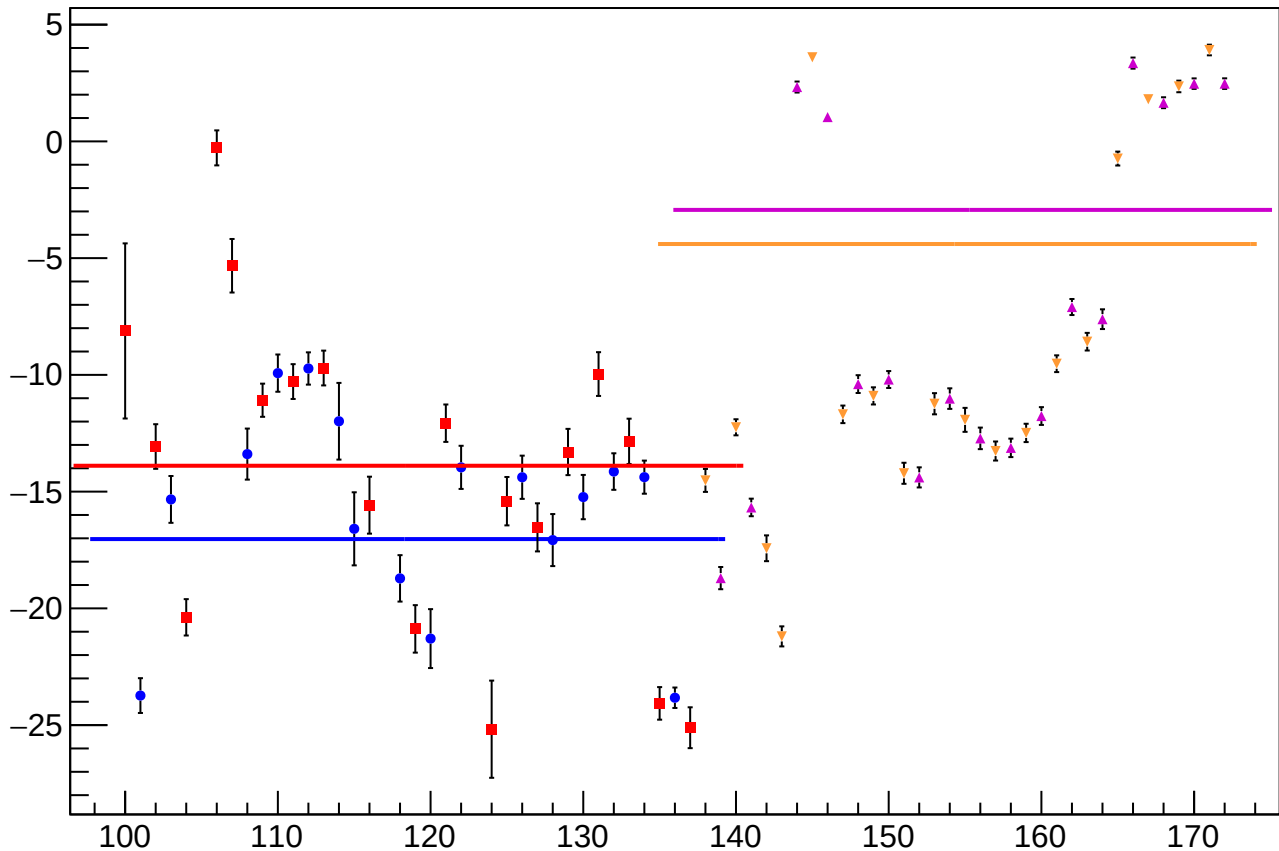
Left In: -6.980 ± 0.052 χ^2/NDF : 863.0/16

+ sign -6.857 ± 0.053 χ^2/NDF : 1221.6/33

All: -6.962 ± 0.037 χ^2/NDF : 2321.1/69

- sign -7.055 ± 0.050 χ^2/NDF : 1092.1/35

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -17.033 $\pm$ 0.209 χ^2/NDF : 601.2/15

Left Out: -4.396 $\pm$ 0.077 χ^2/NDF : 10373.4/17

Right Out: -13.892 $\pm$ 0.209 χ^2/NDF : 1017.4/18

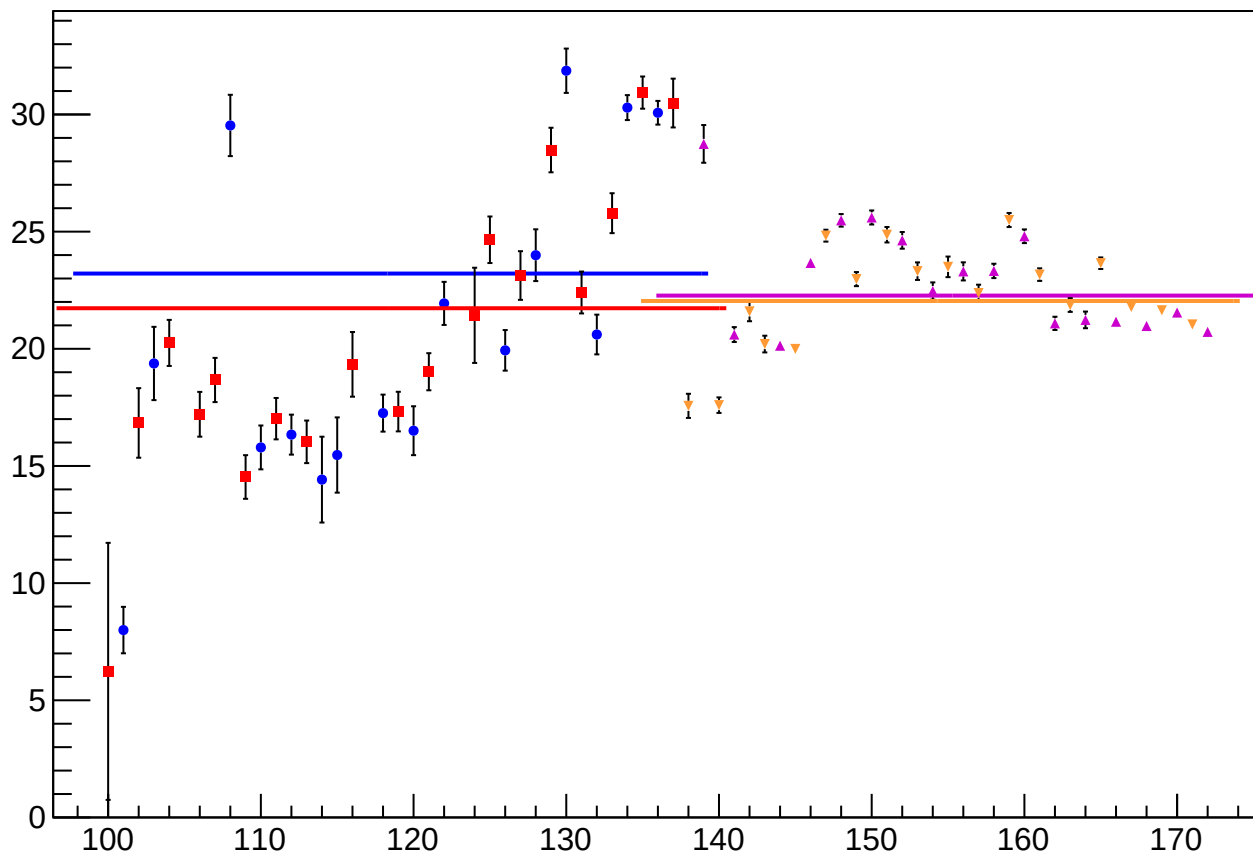
Left In: -2.934 $\pm$ 0.073 χ^2/NDF : 9129.4/16

+ sign -5.909 $\pm$ 0.072 χ^2/NDF : 14181.2/33

All: -4.973 $\pm$ 0.050 χ^2/NDF : 27089.0/69

- sign -4.124 $\pm$ 0.069 χ^2/NDF : 12589.5/35

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 23.211 $\pm$ 0.218 χ^2 /NDF: 1008.2/15

Left Out: 22.041 $\pm$ 0.064 χ^2 /NDF: 852.1/17

Right Out: 21.731 $\pm$ 0.224 χ^2 /NDF: 558.2/18

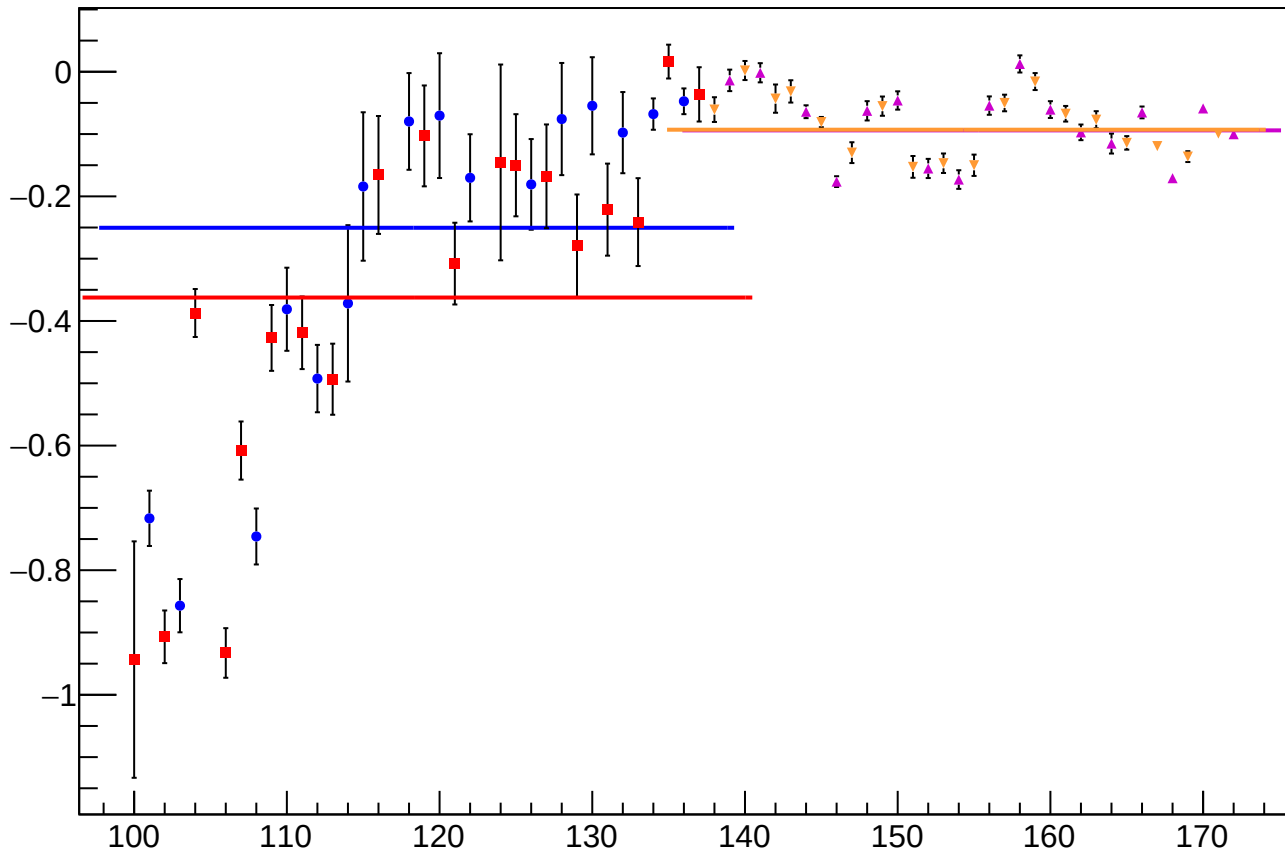
Left In: 22.271 $\pm$ 0.060 χ^2 /NDF: 877.5/16

+ sign 22.132 $\pm$ 0.061 χ^2 /NDF: 1886.9/33

All: 22.186 $\pm$ 0.042 χ^2 /NDF: 3329.5/69

- sign 22.234 $\pm$ 0.058 χ^2 /NDF: 1441.1/35

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

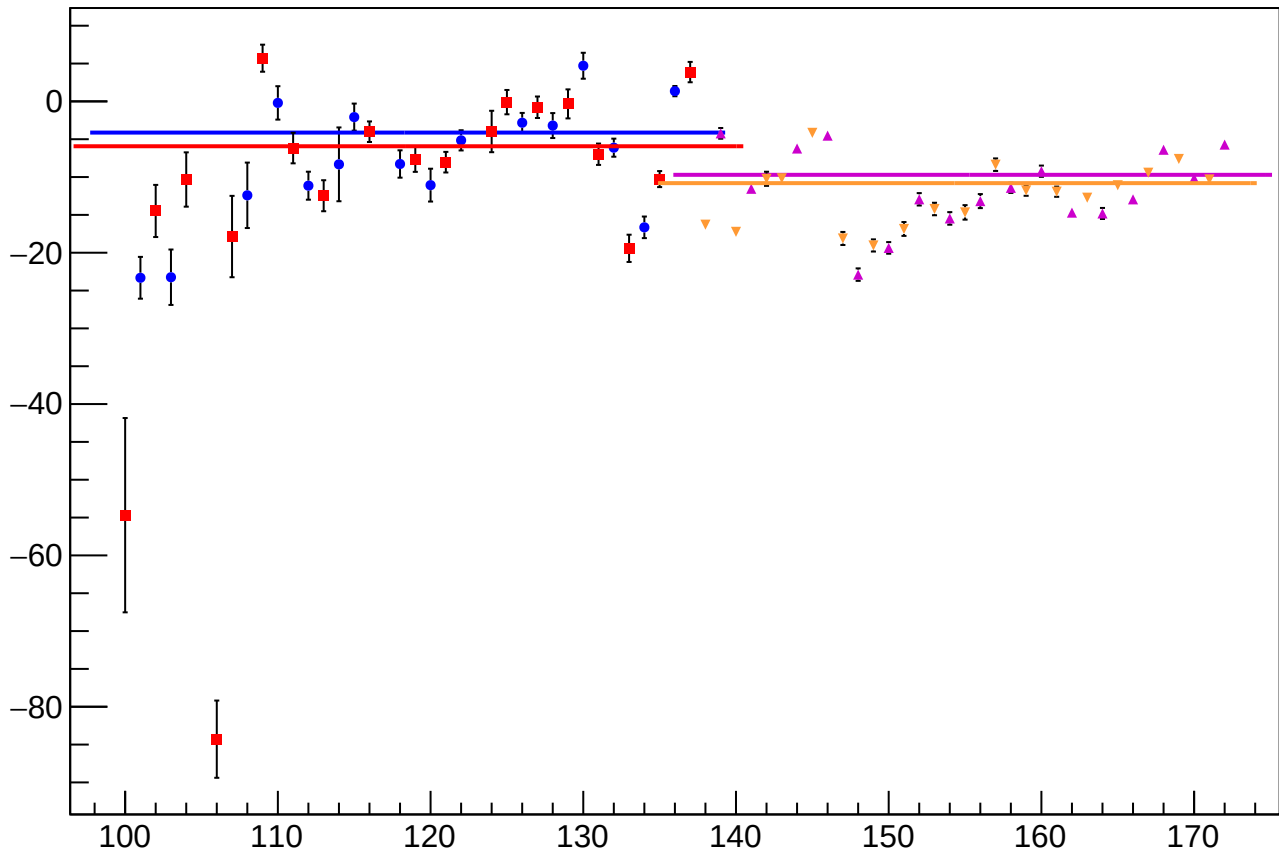
Left In: -0.094 ± 0.003 χ^2/NDF : 413.6/16

+ sign -0.102 ± 0.003 χ^2/NDF : 999.2/33

All: -0.104 ± 0.002 χ^2/NDF : 2568.6/69

- sign -0.107 ± 0.003 χ^2/NDF : 1567.8/35

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

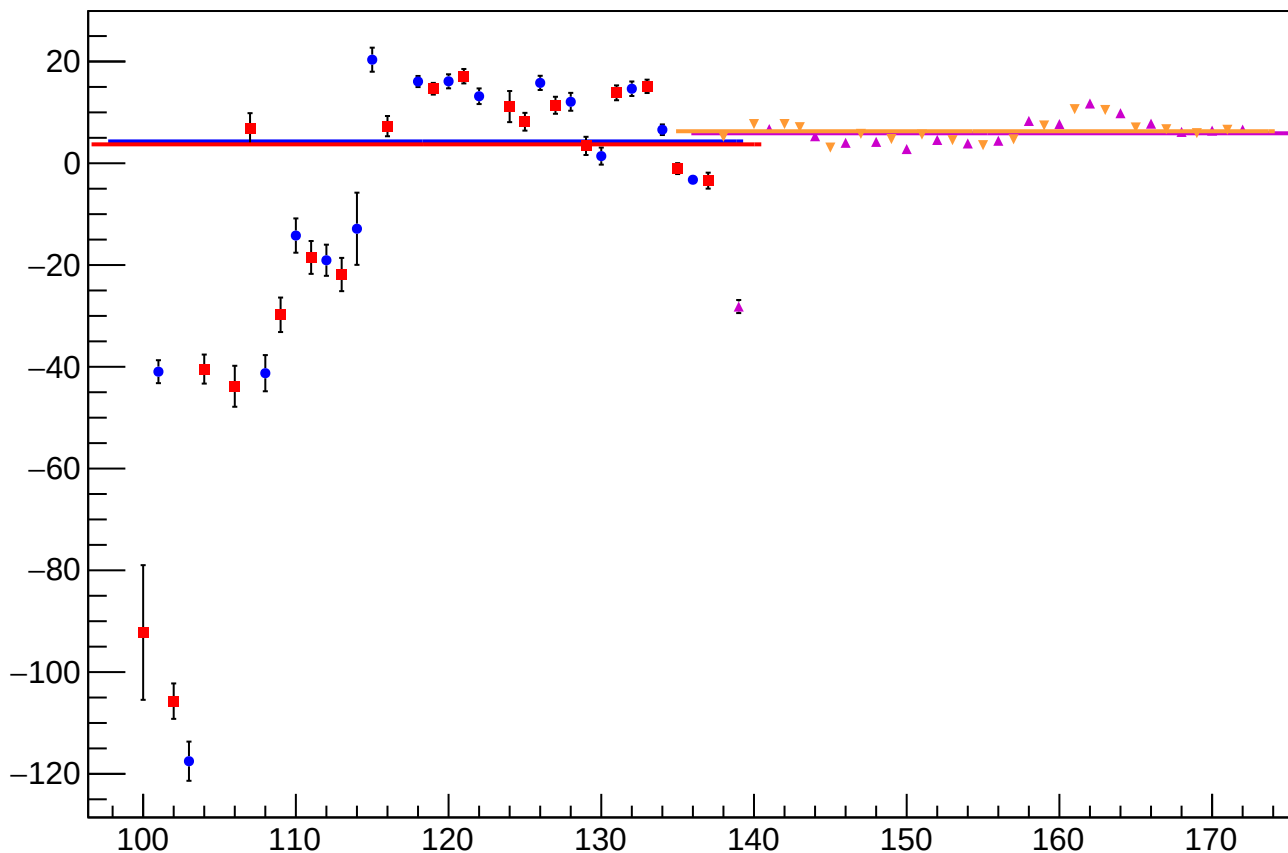
Left In: -9.706 ± 0.135 χ^2/NDF : 1130.3/16

+ sign -10.029 ± 0.130 χ^2/NDF : 1429.2/33

All: -9.676 ± 0.091 χ^2/NDF : 3133.9/69

- sign -9.335 ± 0.128 χ^2/NDF : 1690.3/35

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

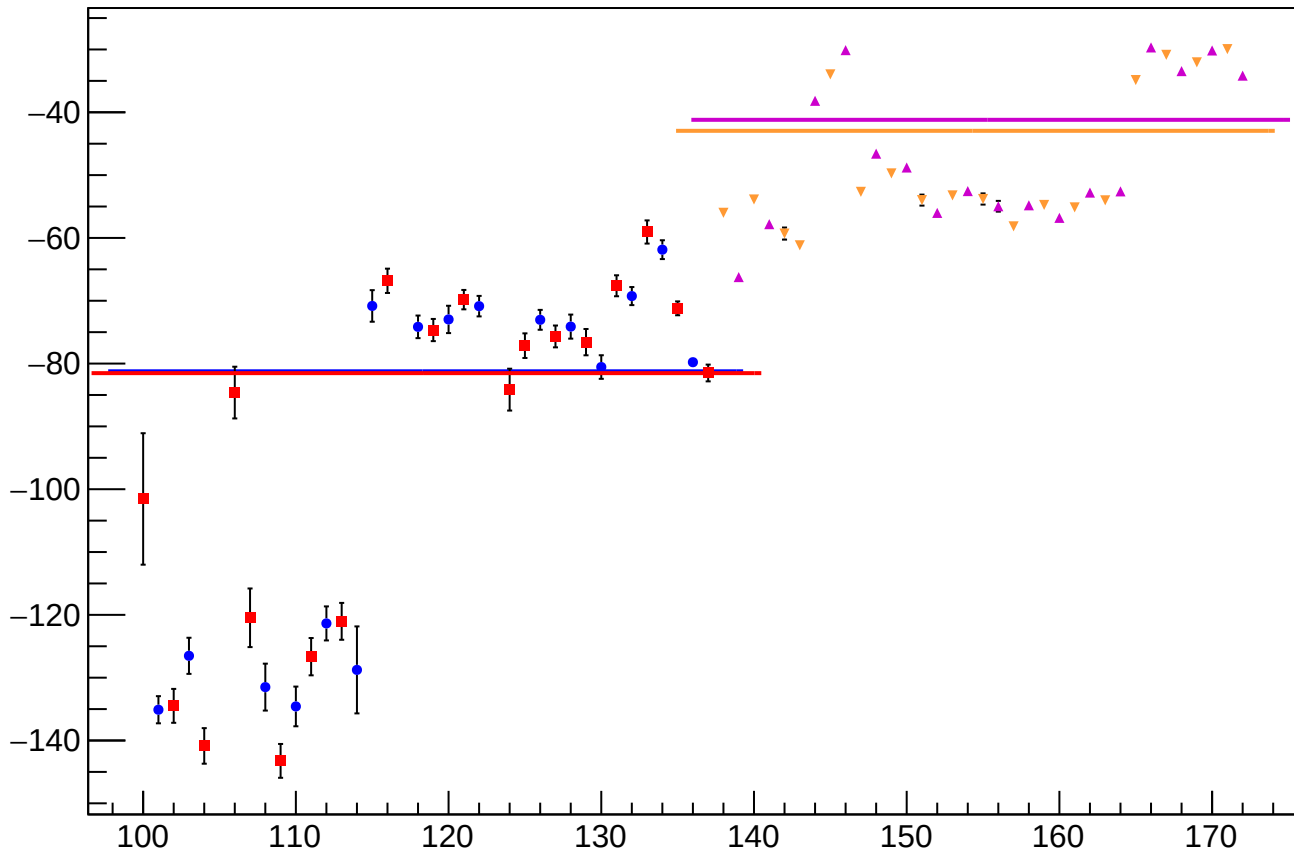
Left In: 5.892 ± 0.096 χ^2/NDF : 1134.7/16

+ sign 6.167 ± 0.097 χ^2/NDF : 2564.2/33

All: 5.970 ± 0.067 χ^2/NDF : 5739.4/69

- sign 5.784 ± 0.094 χ^2/NDF : 3167.1/35

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



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

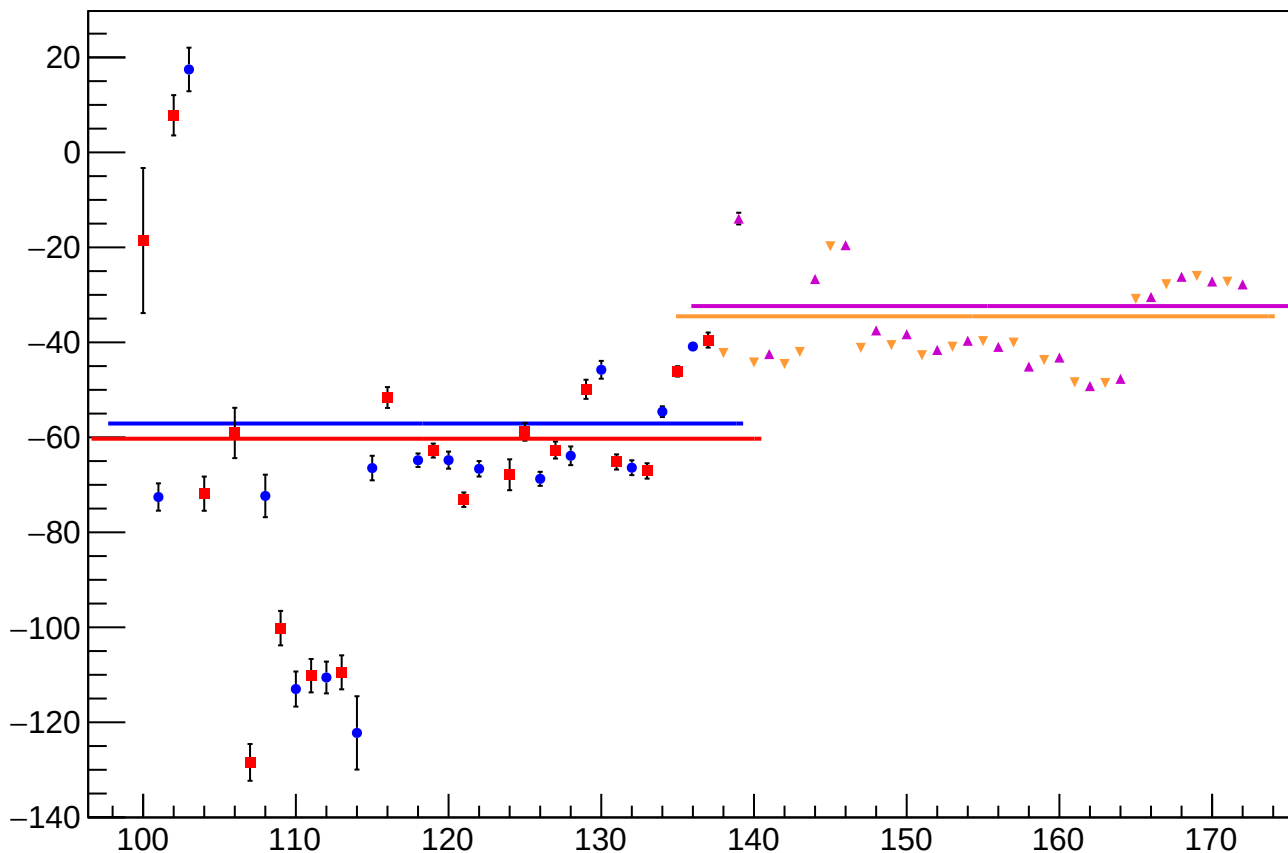
Left In: -41.198 ± 0.133 χ^2/NDF : 7345.2/16

+ sign -46.704 ± 0.131 χ^2/NDF : 16679.0/33

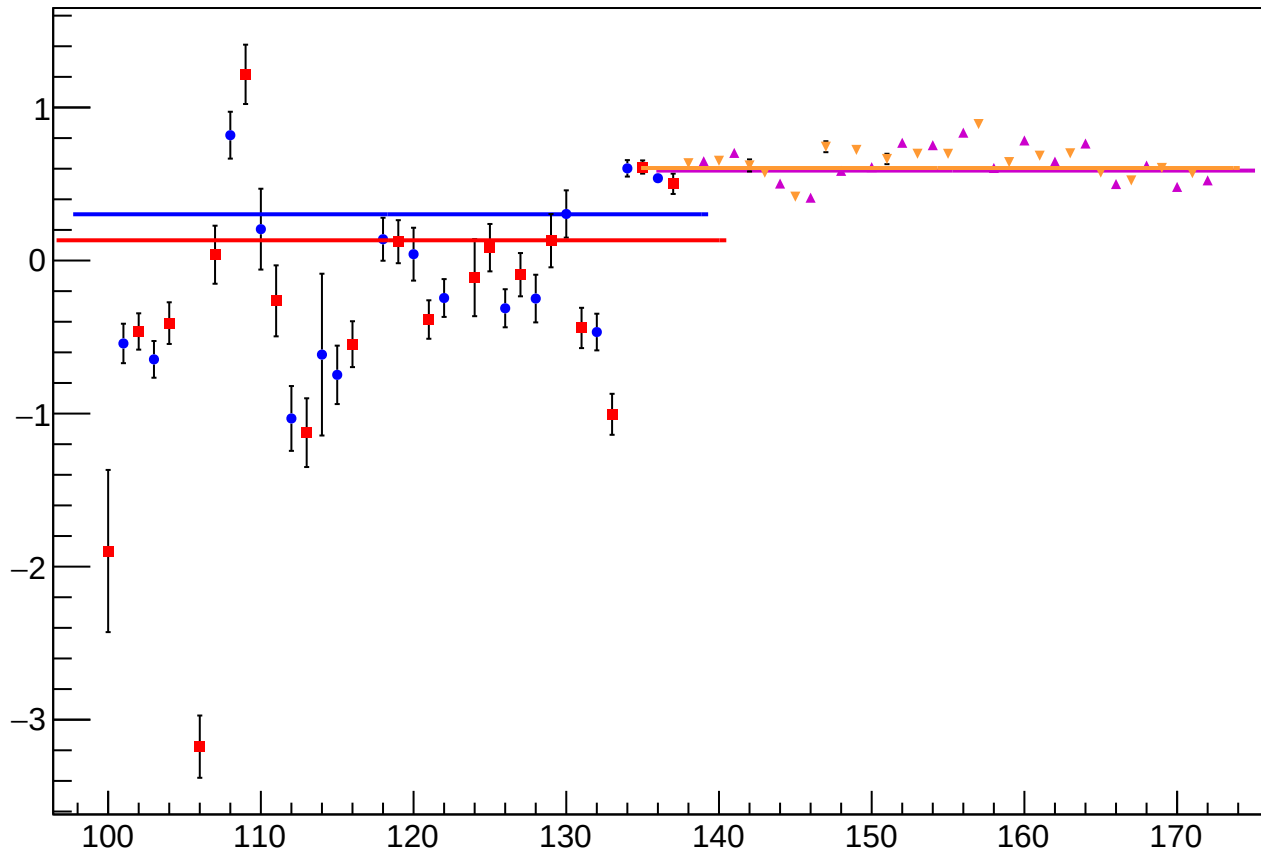
All: -45.471 ± 0.091 χ^2/NDF : 33538.5/69

- sign -44.290 ± 0.128 χ^2/NDF : 16684.8/35

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



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

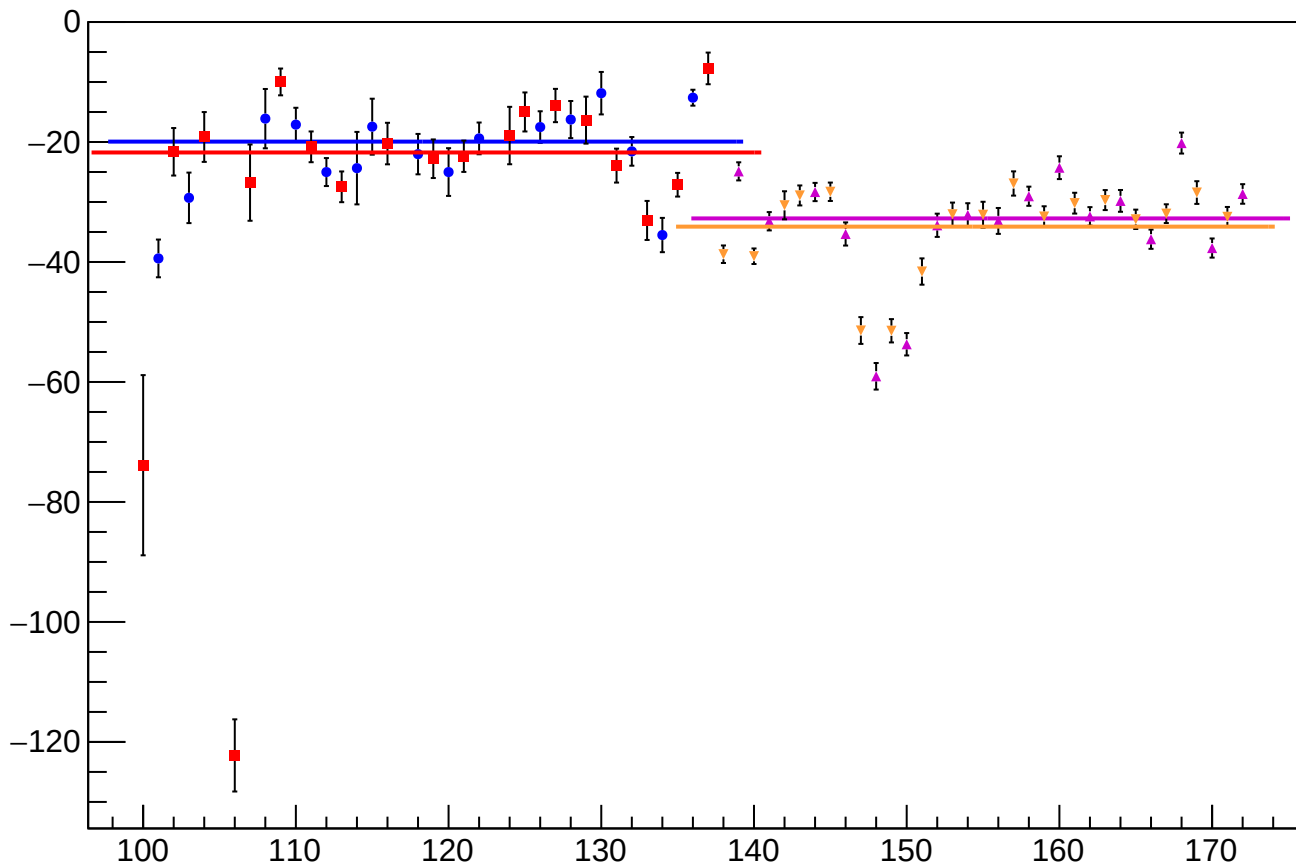
Left In: 0.588 ± 0.005 χ^2/NDF : 539.7/16

+ sign 0.590 ± 0.005 χ^2/NDF : 962.6/33

All: 0.581 ± 0.003 χ^2/NDF : 2466.9/69

- sign 0.572 ± 0.005 χ^2/NDF : 1497.5/35

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

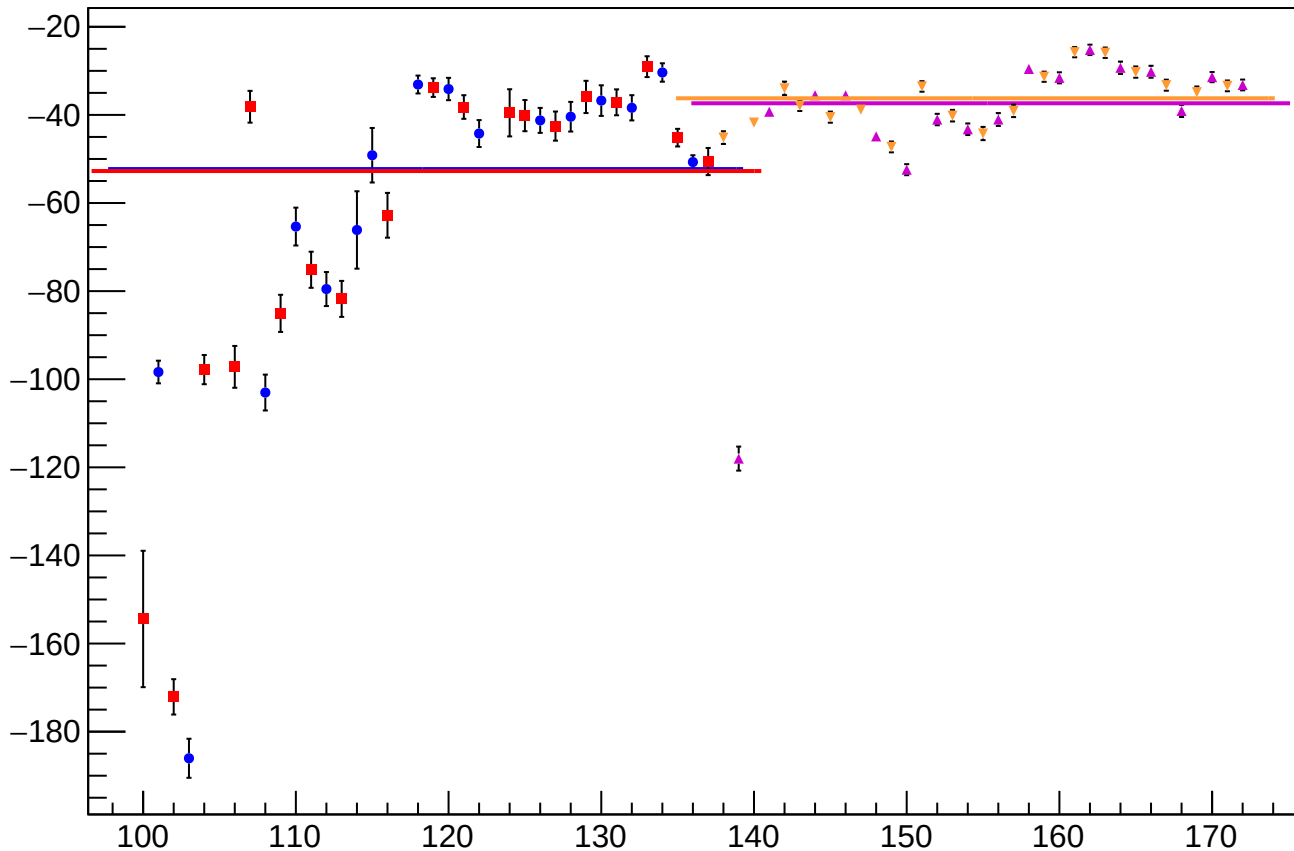
Left In: -32.738 ± 0.419 χ^2/NDF : 405.3/16

+ sign -30.425 ± 0.354 χ^2/NDF : 671.2/33

All: -30.175 ± 0.253 χ^2/NDF : 1642.2/69

- sign -29.915 ± 0.362 χ^2/NDF : 970.0/35

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

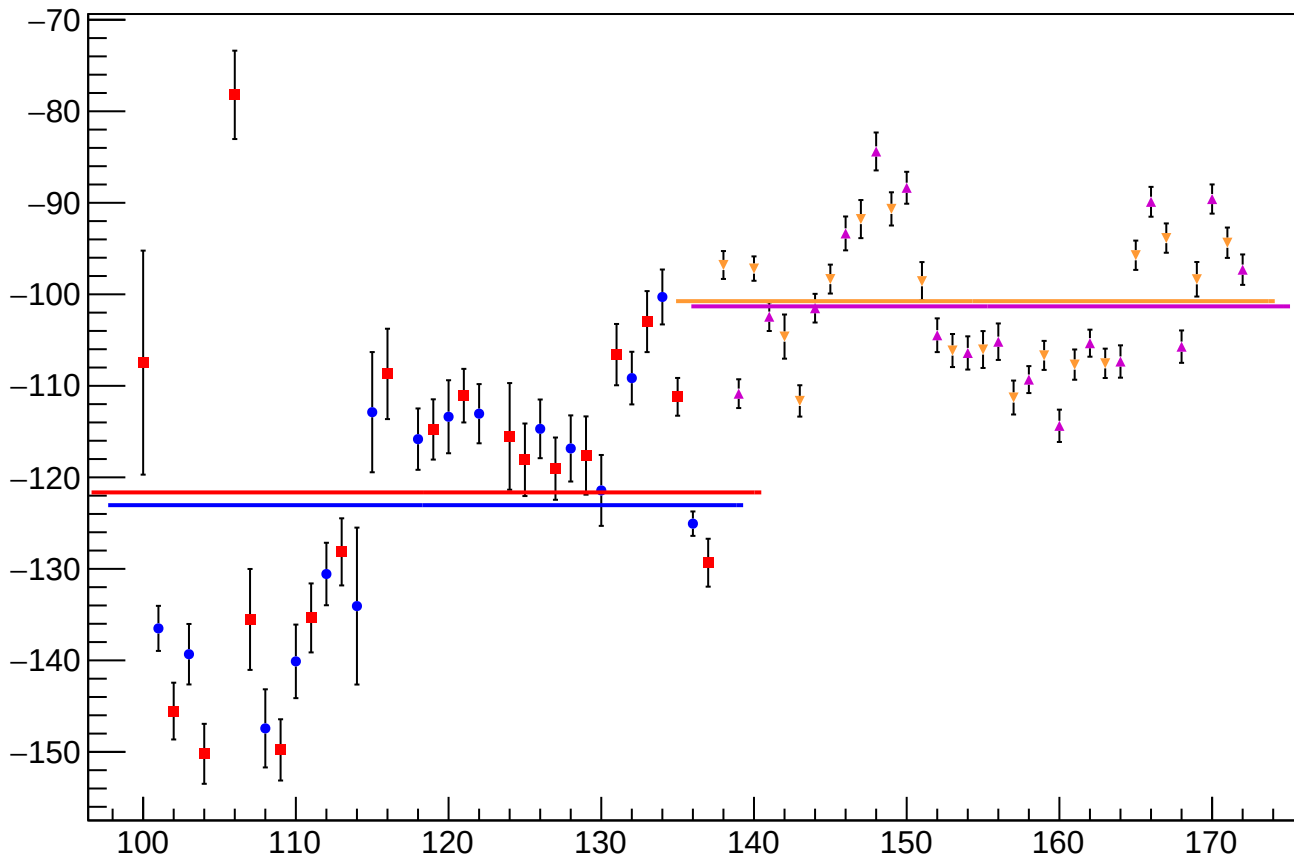
Left In: -37.358 ± 0.303 χ^2/NDF : 1392.2/16

+ sign -38.584 ± 0.271 χ^2/NDF : 2638.7/33

All: -39.040 ± 0.195 χ^2/NDF : 6062.1/69

- sign -39.528 ± 0.281 χ^2/NDF : 3417.6/35

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.039 $\pm$ 0.750 χ^2/NDF : 226.8/15

Left Out: -100.747 $\pm$ 0.405 χ^2/NDF : 252.0/17

Right Out: -121.646 $\pm$ 0.801 χ^2/NDF : 424.5/18

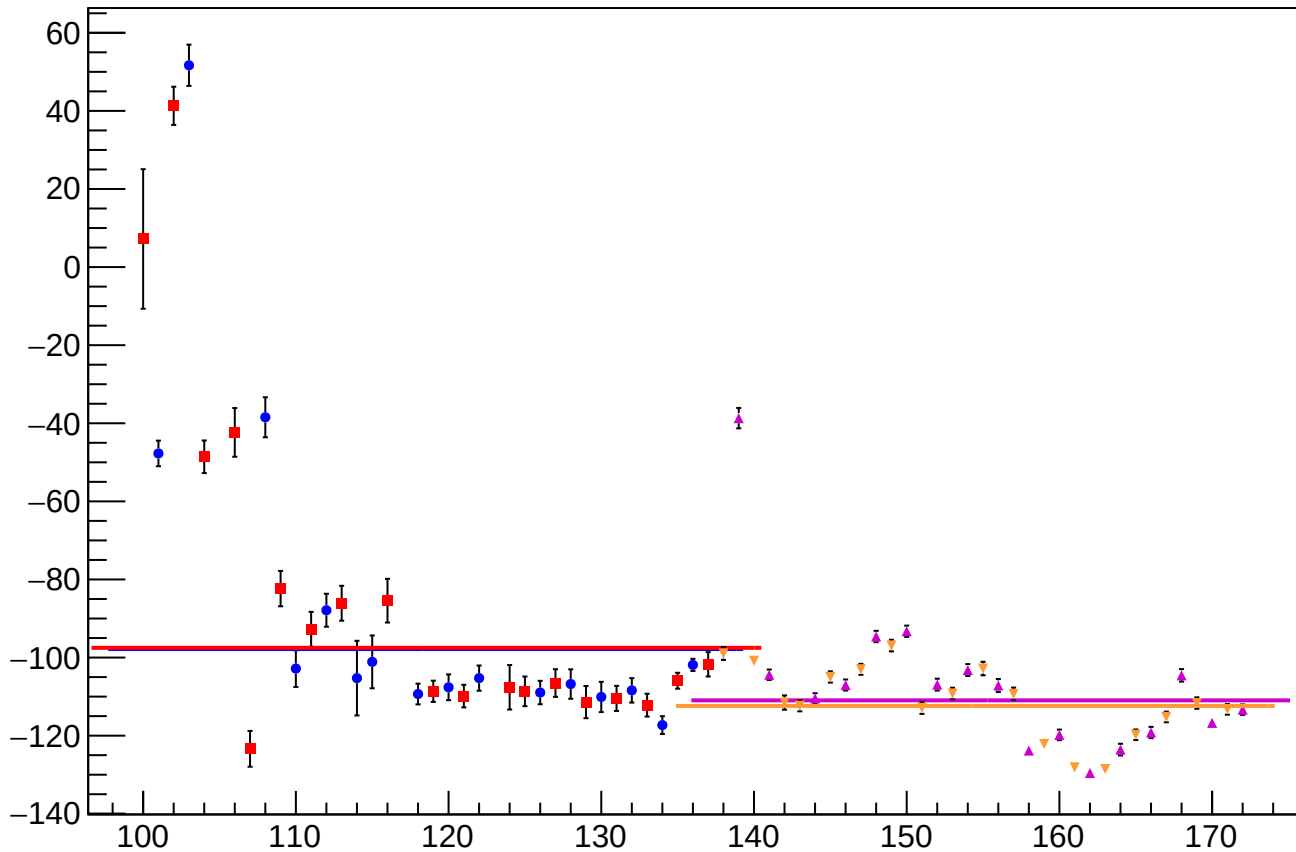
Left In: -101.316 $\pm$ 0.411 χ^2/NDF : 410.7/16

+ sign -105.785 $\pm$ 0.357 χ^2/NDF : 1162.7/33

All: -105.667 $\pm$ 0.255 χ^2/NDF : 2508.0/69

- sign -105.545 $\pm$ 0.365 χ^2/NDF : 1345.2/35

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.814 ± 0.793 $\chi^2/\text{NDF}: 1330.8/15$

Left Out: -112.388 ± 0.336 $\chi^2/\text{NDF}: 792.2/17$

Right Out: -97.504 ± 0.843 $\chi^2/\text{NDF}: 1236.4/18$

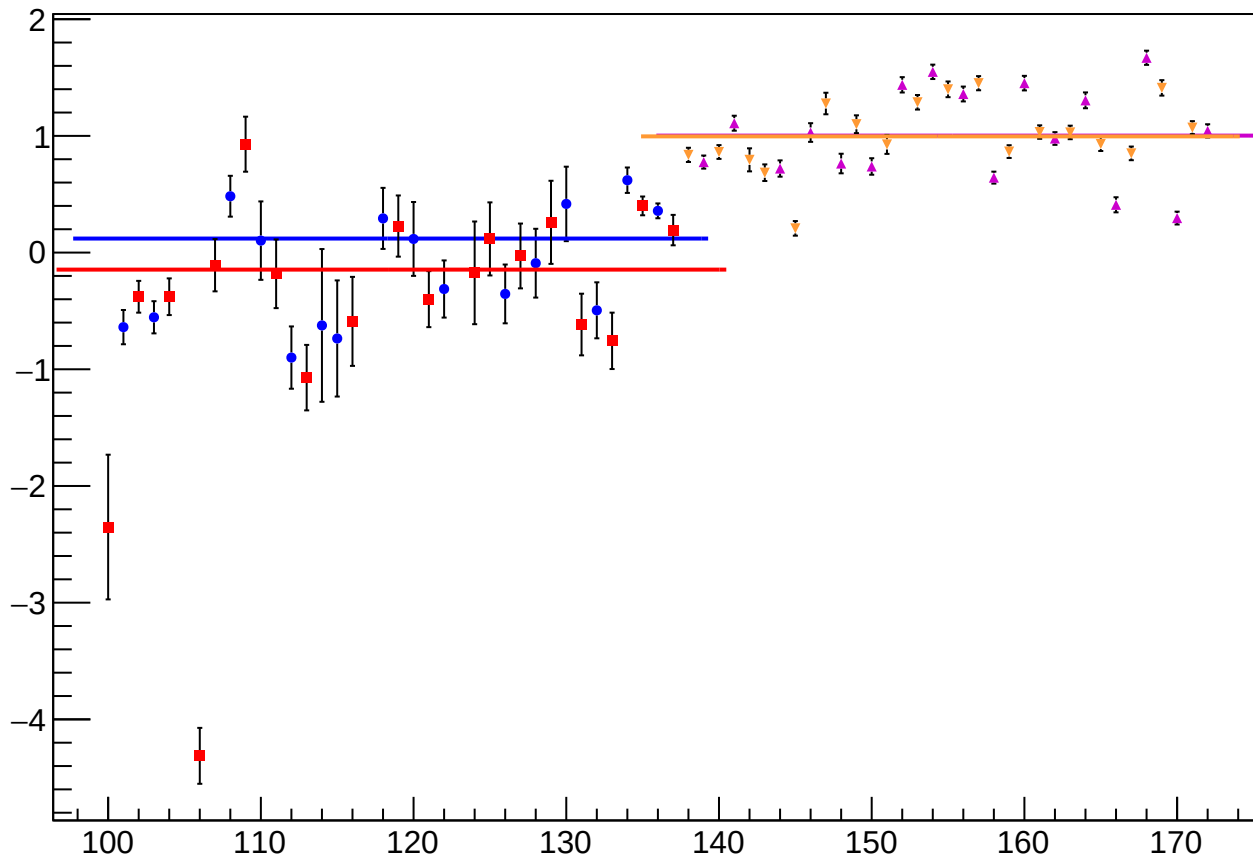
Left In: -110.960 ± 0.344 $\chi^2/\text{NDF}: 1651.6/16$

+ sign -110.166 ± 0.310 $\chi^2/\text{NDF}: 2409.3/33$

All: -109.617 ± 0.222 $\chi^2/\text{NDF}: 5522.3/69$

- sign -109.035 ± 0.319 $\chi^2/\text{NDF}: 3106.5/35$

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

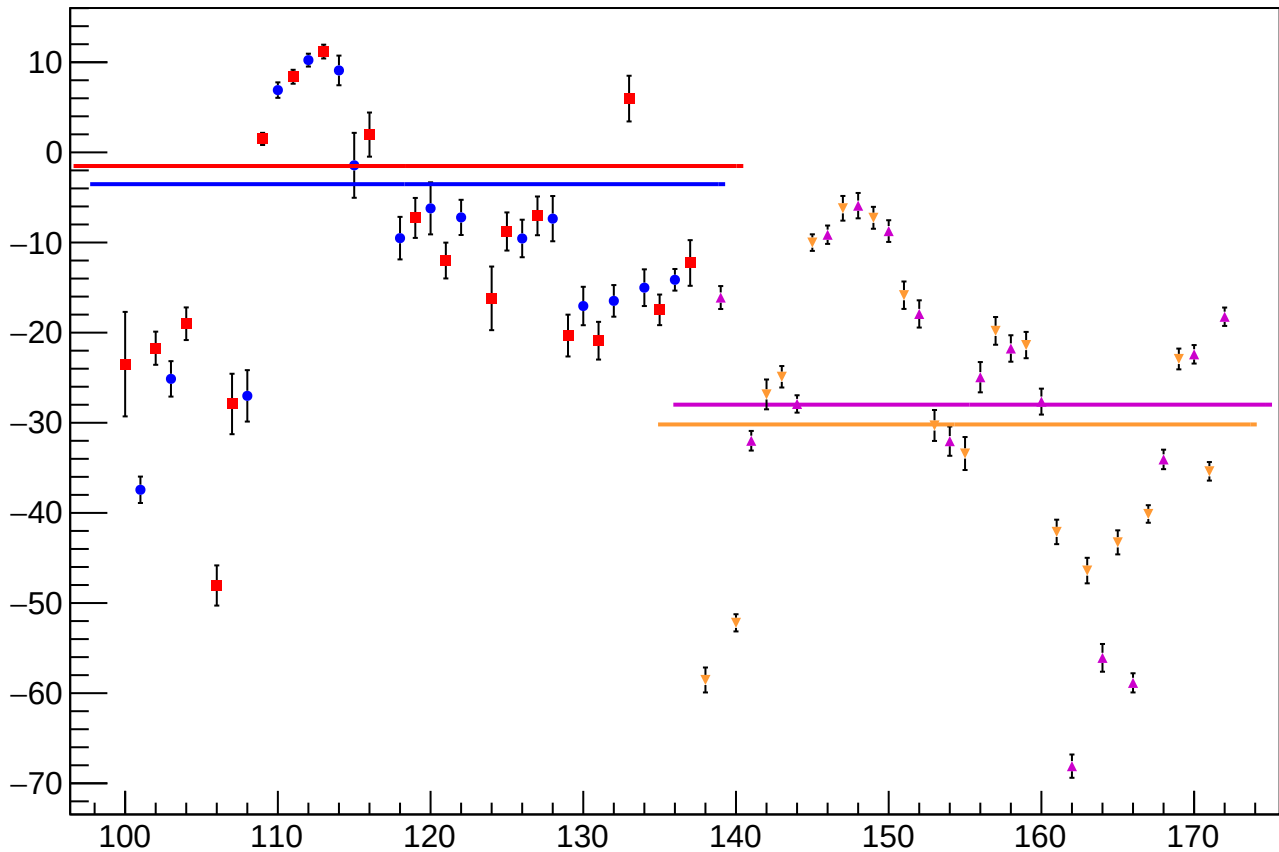
Left In: 1.002 ± 0.015 χ^2/NDF : 701.3/16

+ sign 0.891 ± 0.014 χ^2/NDF : 896.3/33

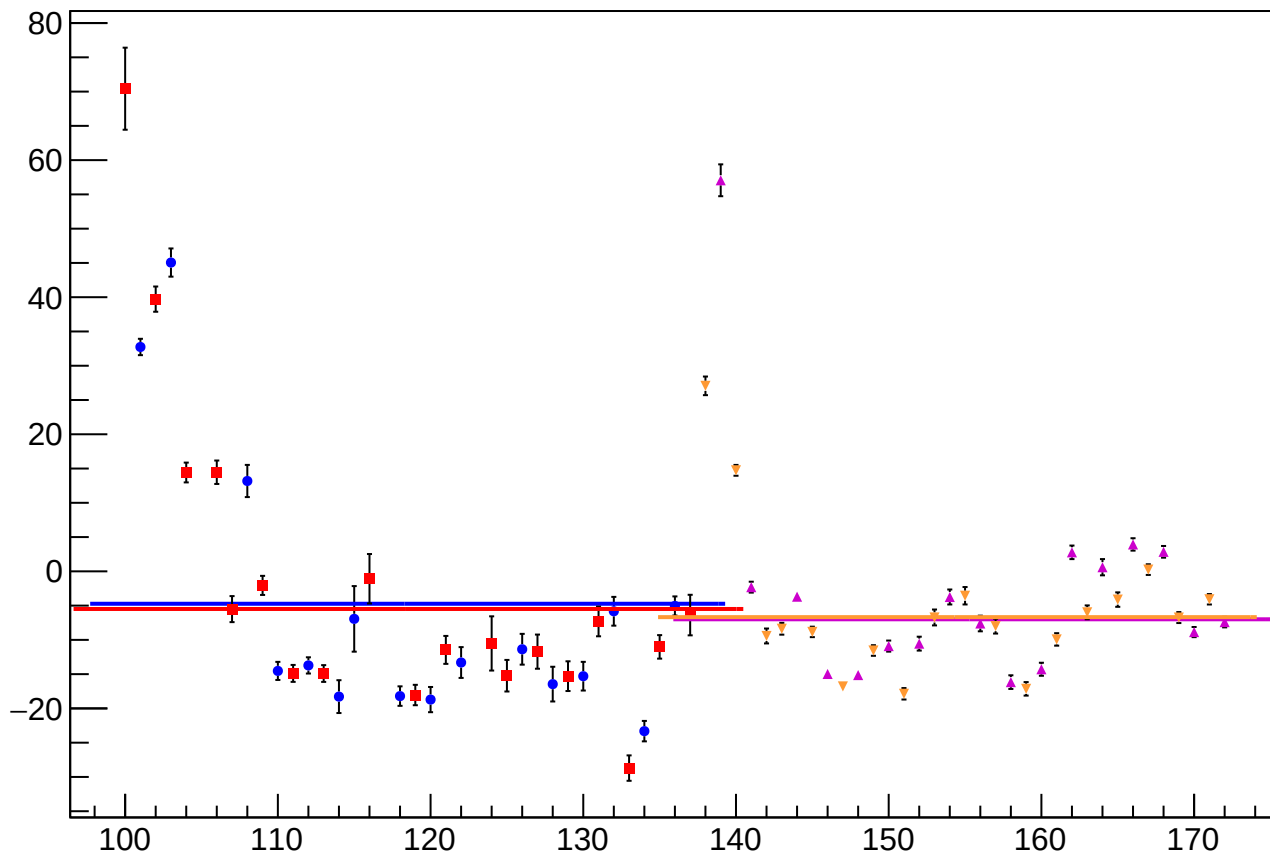
All: 0.888 ± 0.010 χ^2/NDF : 2606.0/69

- sign 0.884 ± 0.014 χ^2/NDF : 1709.6/35

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

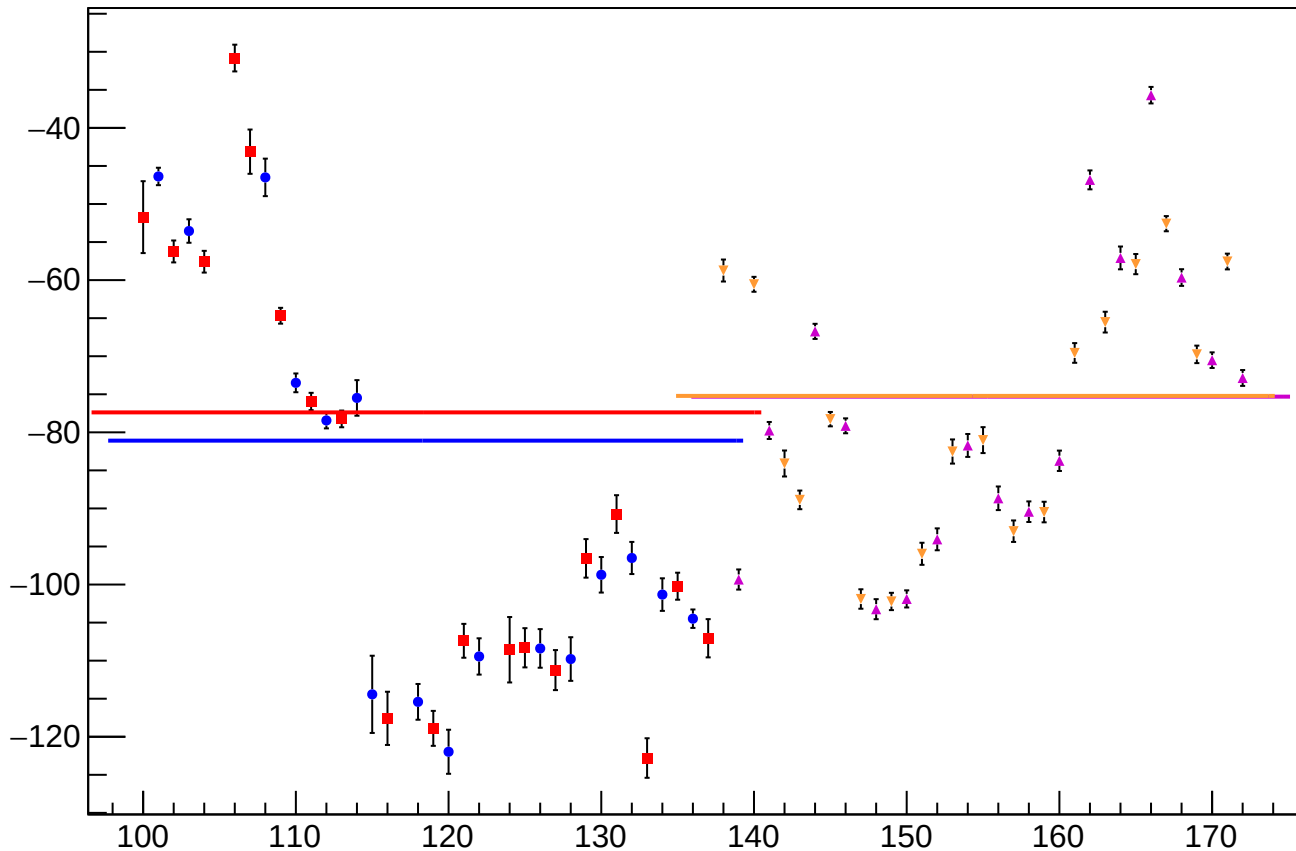
Left In: -6.996 ± 0.210 χ^2/NDF : 1744.9/16

+ sign -6.310 ± 0.188 χ^2/NDF : 4236.9/33

All: -6.504 ± 0.133 χ^2/NDF : 7502.7/69

- sign -6.698 ± 0.188 χ^2/NDF : 3263.7/35

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

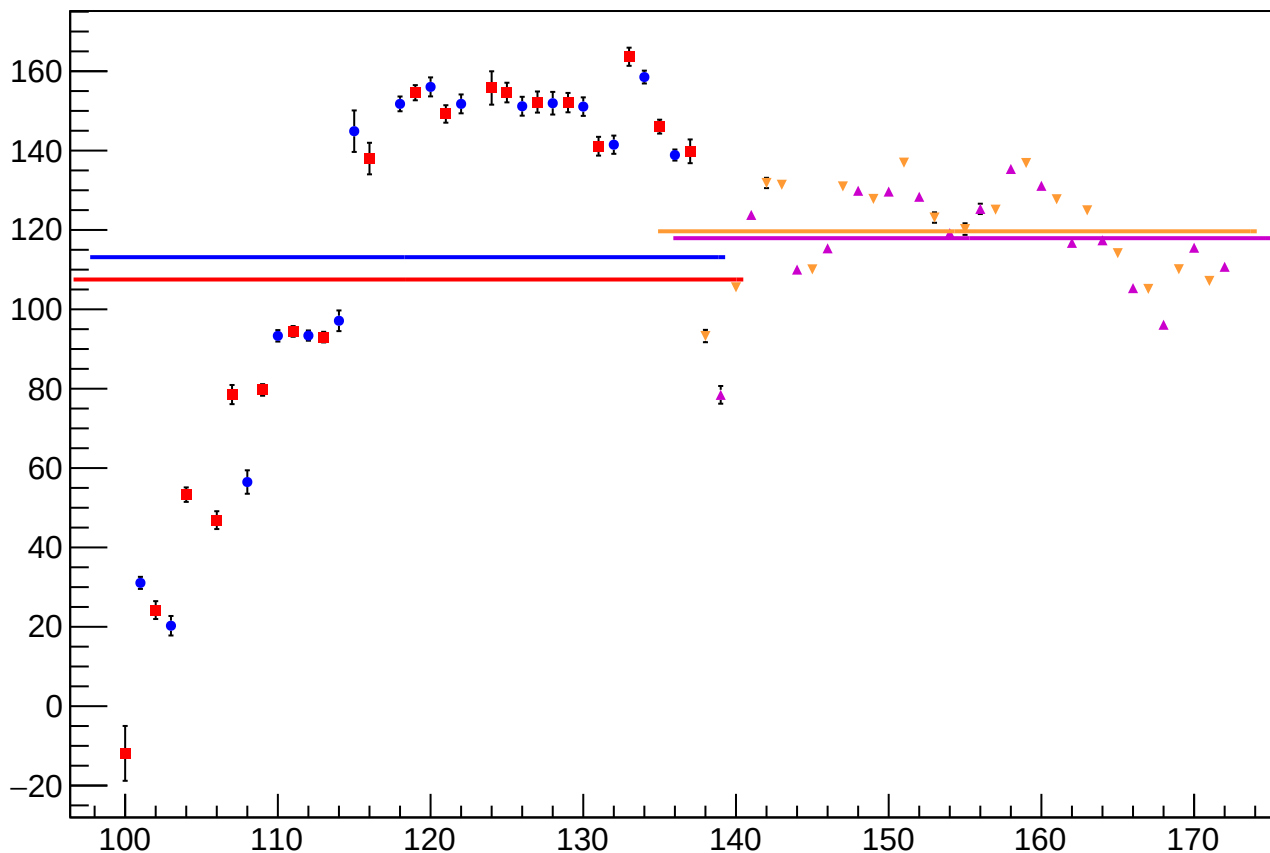
Left In: -75.311 ± 0.290 χ^2/NDF : 4106.8/16

+ sign -77.022 ± 0.243 χ^2/NDF : 6103.4/33

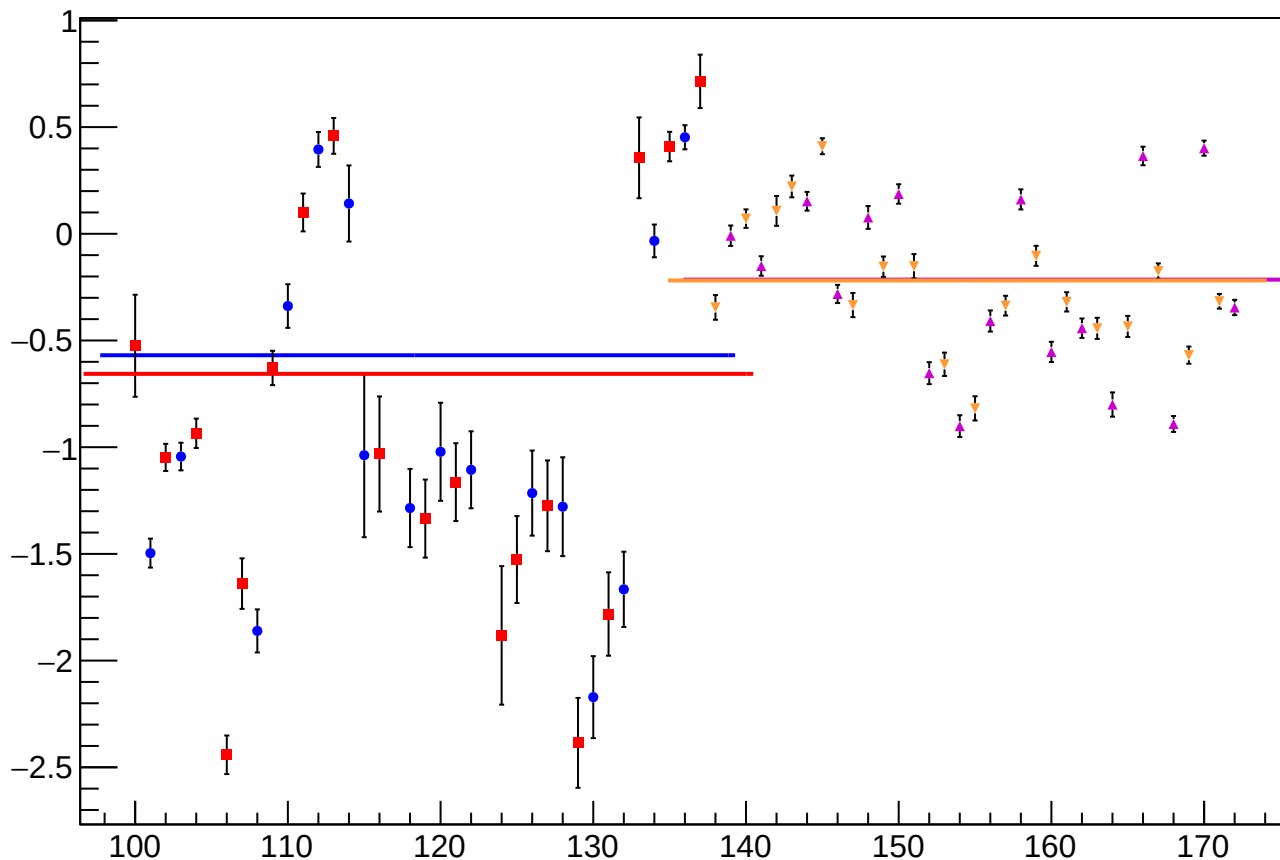
All: -76.493 ± 0.170 χ^2/NDF : 13365.7/69

- sign -75.986 ± 0.238 χ^2/NDF : 7253.1/35

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.569 ± 0.026 $\chi^2/\text{NDF}: 1097.4/15$

Left Out: -0.219 ± 0.011 $\chi^2/\text{NDF}: 741.5/17$

Right Out: -0.656 ± 0.025 $\chi^2/\text{NDF}: 1315.2/18$

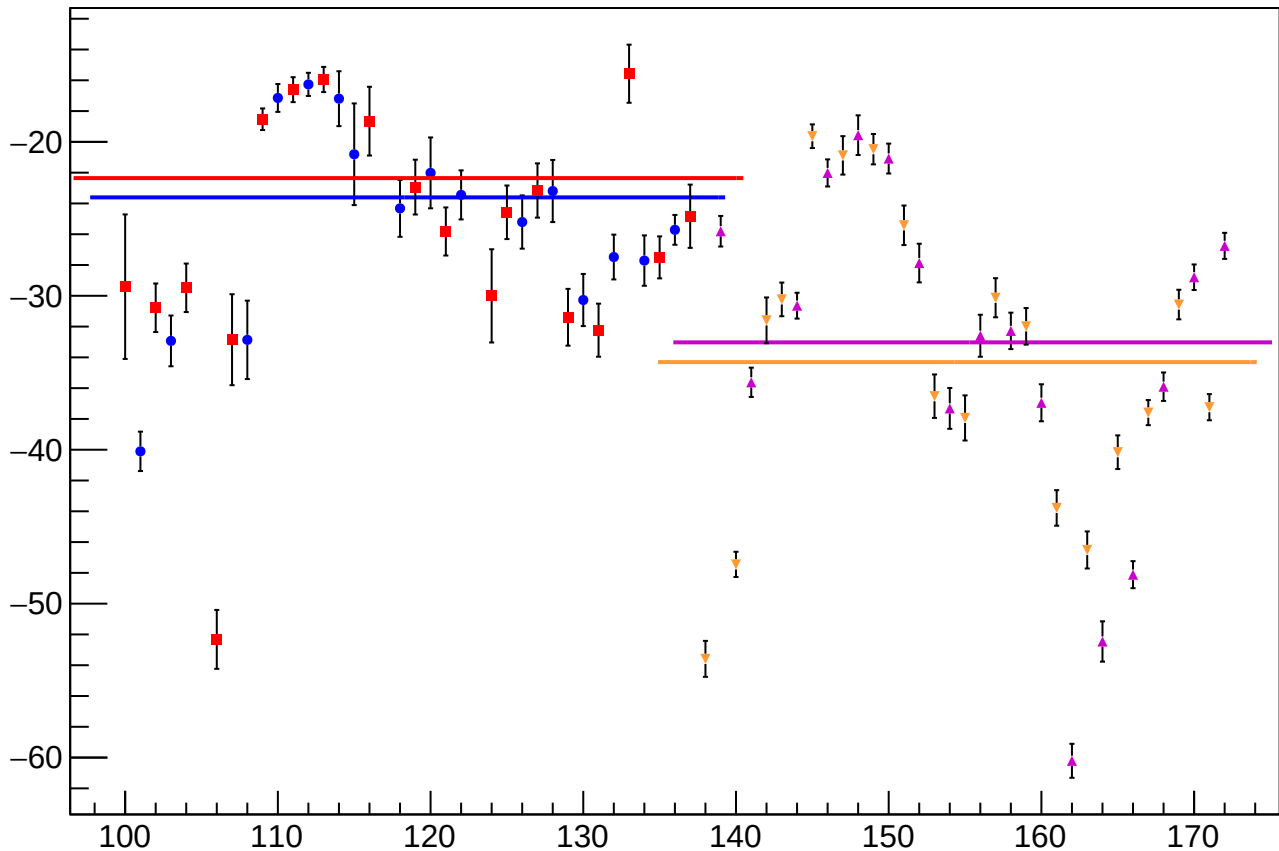
Left In: -0.215 ± 0.011 $\chi^2/\text{NDF}: 1534.7/16$

+ sign -0.272 ± 0.010 $\chi^2/\text{NDF}: 1995.2/33$

All: -0.278 ± 0.007 $\chi^2/\text{NDF}: 5104.6/69$

- sign -0.284 ± 0.010 $\chi^2/\text{NDF}: 3108.8/35$

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

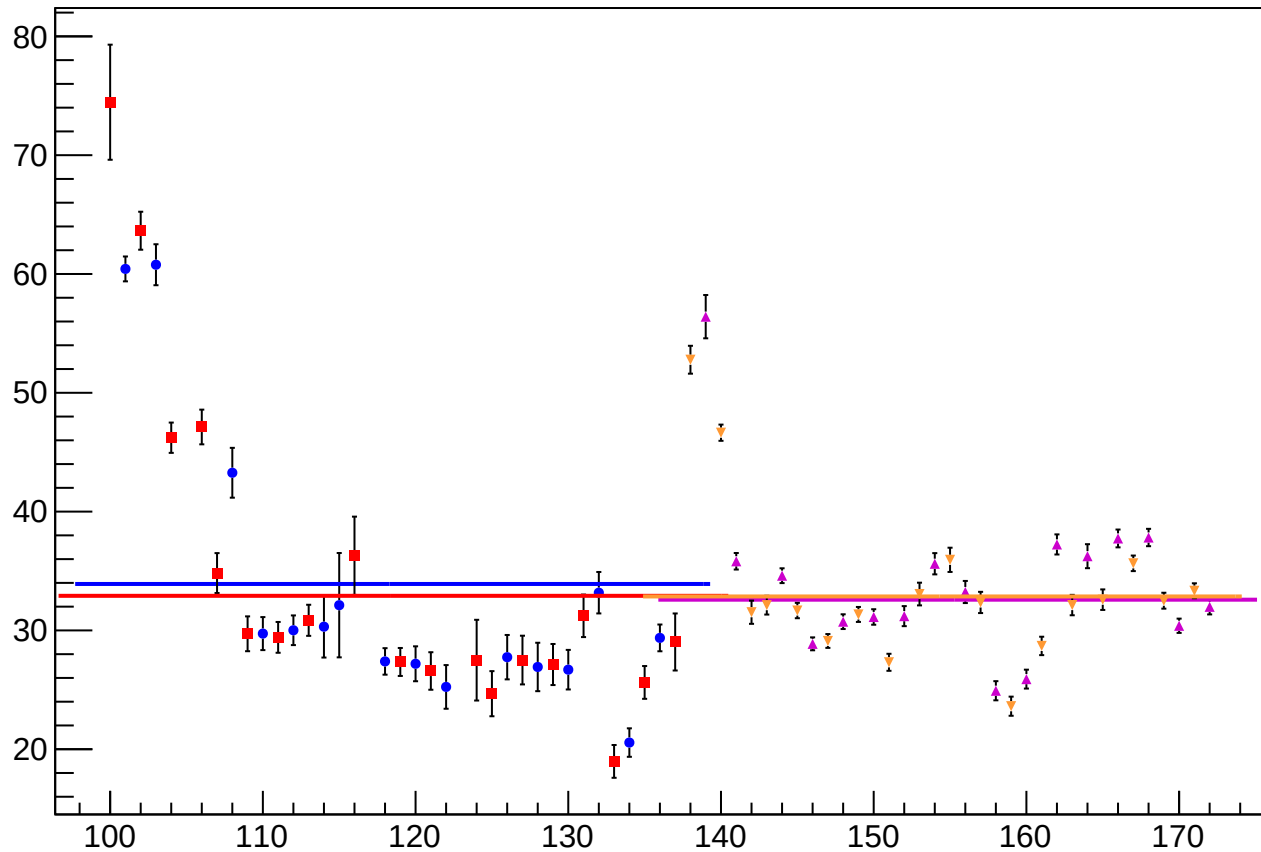
Left In: -33.025 ± 0.247 χ^2/NDF : 1735.3/16

+ sign -30.671 ± 0.203 χ^2/NDF : 2564.3/33

All: -29.839 ± 0.141 χ^2/NDF : 5575.2/69

- sign -29.062 ± 0.196 χ^2/NDF : 2978.4/35

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.909 ± 0.375 $\chi^2/\text{NDF}: 1184.4/15$

Left Out: 32.858 ± 0.178 $\chi^2/\text{NDF}: 999.4/17$

Right Out: 32.911 ± 0.373 $\chi^2/\text{NDF}: 875.0/18$

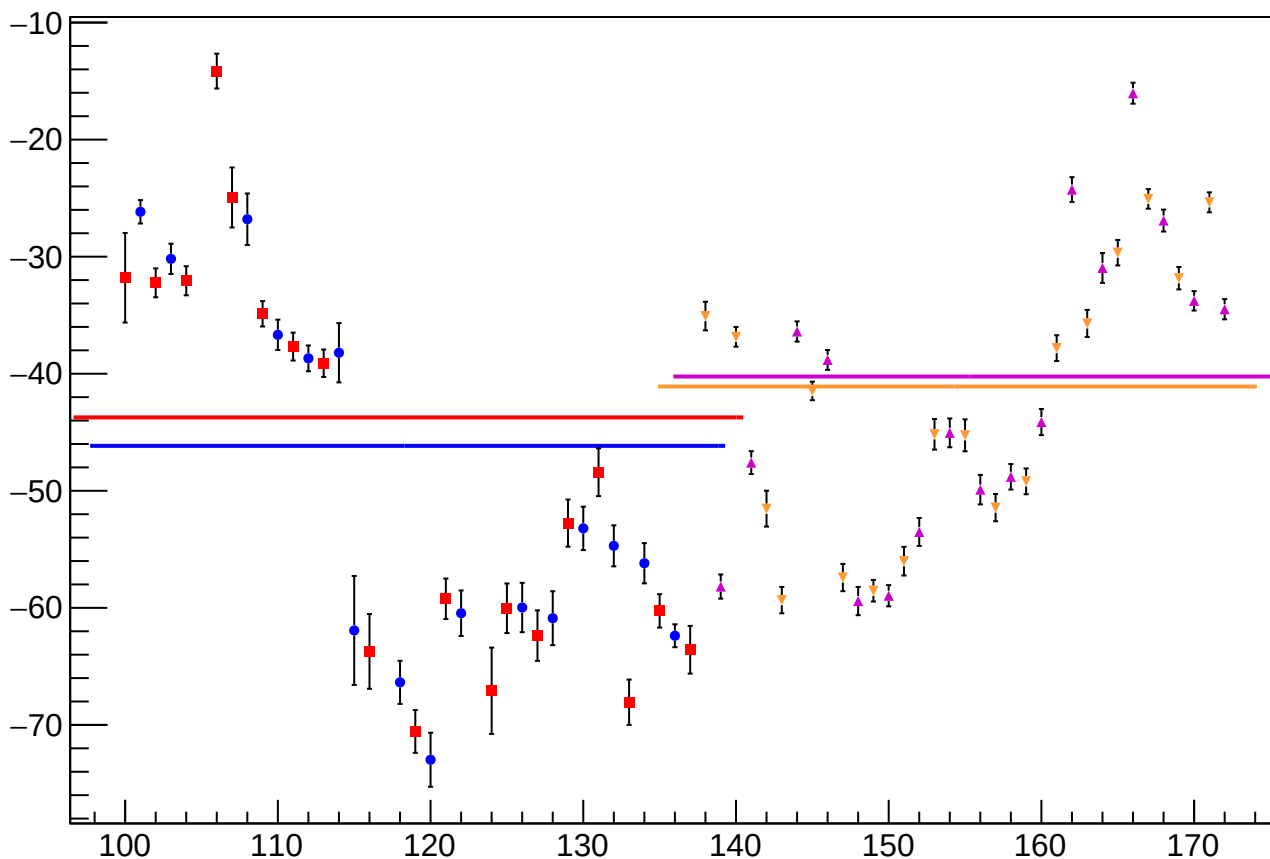
Left In: 32.586 ± 0.178 $\chi^2/\text{NDF}: 595.4/16$

+ sign 33.051 ± 0.161 $\chi^2/\text{NDF}: 2190.2/33$

All: 32.849 ± 0.114 $\chi^2/\text{NDF}: 3664.3/69$

- sign 32.647 ± 0.161 $\chi^2/\text{NDF}: 1470.9/35$

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

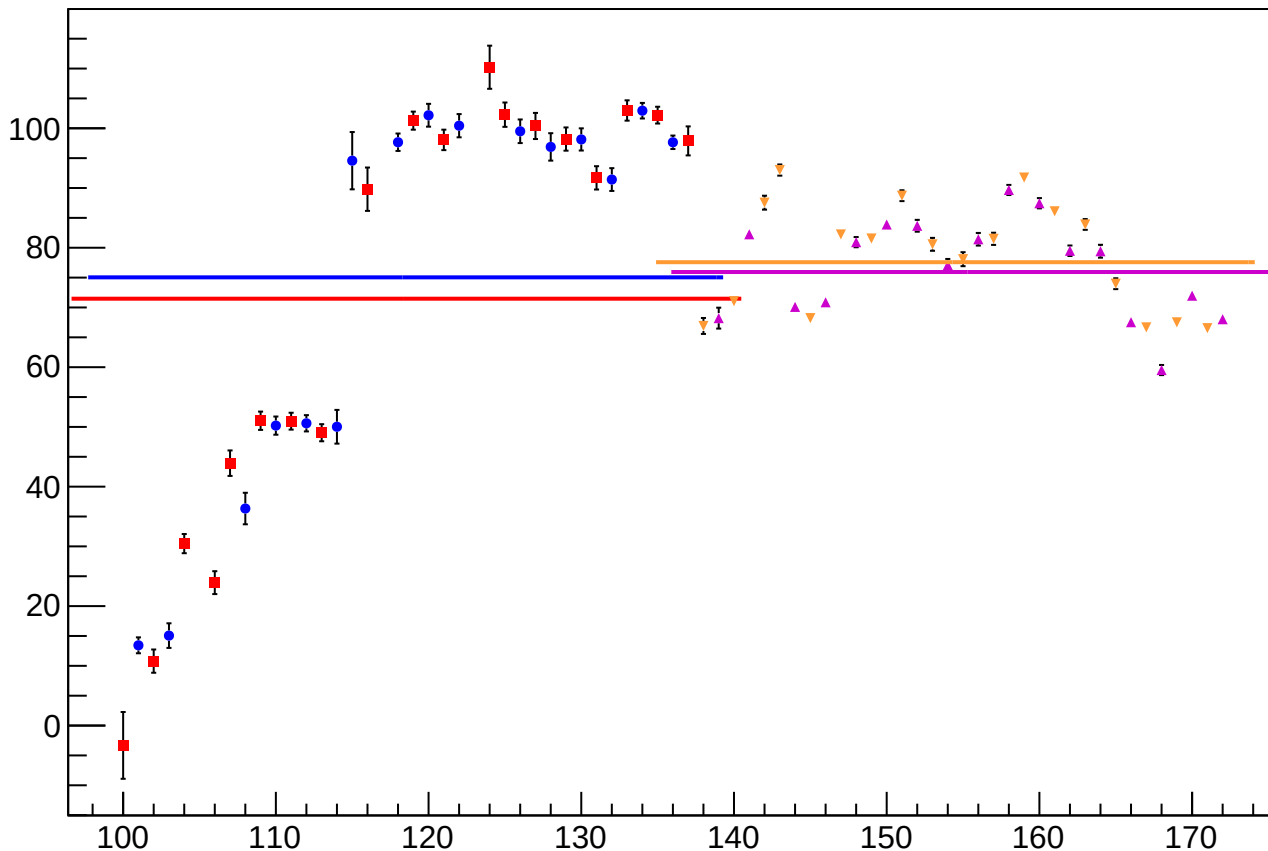
Left In: -40.238 ± 0.243 χ^2/NDF : 2648.0/16

+ sign -42.538 ± 0.208 χ^2/NDF : 3765.8/33

All: -41.887 ± 0.146 χ^2/NDF : 8156.6/69

- sign -41.259 ± 0.205 χ^2/NDF : 4371.6/35

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 75.042 $\pm$ 0.427 χ^2 /NDF: 5828.3/15

Left Out: 77.581 $\pm$ 0.204 χ^2 /NDF:1984.8/17

Right Out: 71.468 $\pm$ 0.426 χ^2 /NDF: 5628.2/18

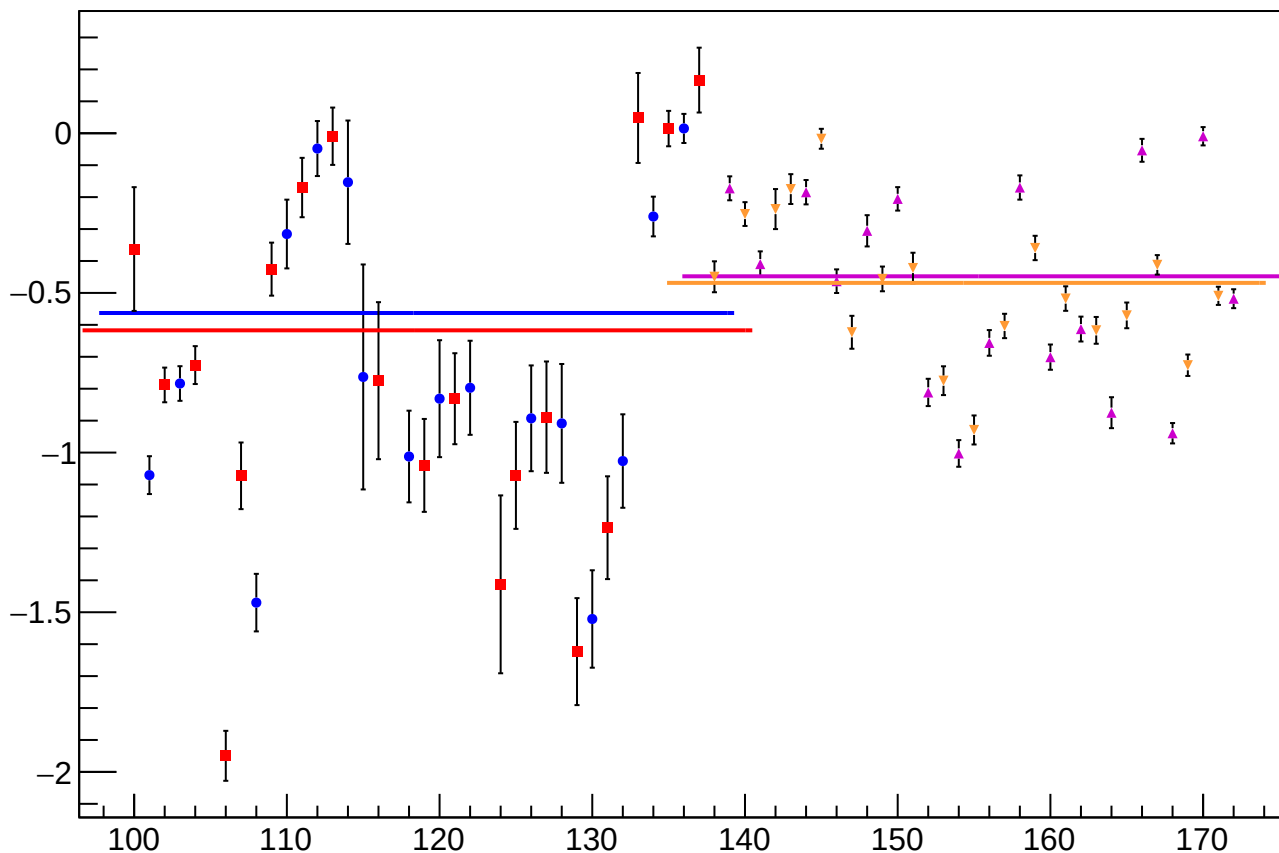
Left In: 75.936 $\pm$ 0.204 χ^2 /NDF:1551.0/16

+ sign 77.109 $\pm$ 0.184 χ^2 /NDF: 7841.9/33

All: 76.103 $\pm$ 0.130 χ^2 /NDF: 15170.1/69

- sign 75.104 $\pm$ 0.184 χ^2 /NDF: 7268.9/35

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 $\pm$ 0.022 χ^2/NDF : 493.0/15

Left Out: -0.469 $\pm$ 0.009 χ^2/NDF : 560.8/17

Right Out: -0.617 $\pm$ 0.022 χ^2/NDF : 690.0/18

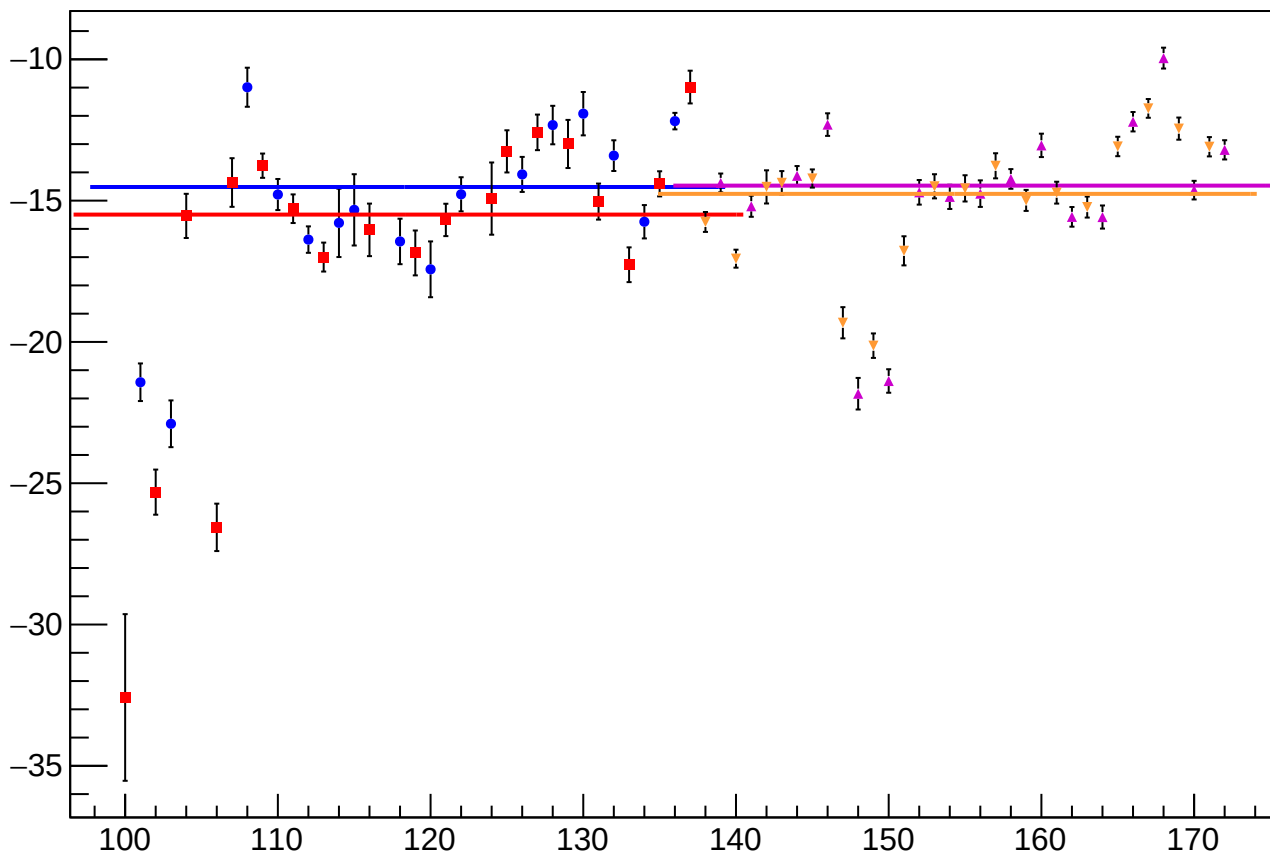
Left In: -0.448 $\pm$ 0.009 χ^2/NDF : 1219.0/16

+ sign -0.482 $\pm$ 0.009 χ^2/NDF : 1069.2/33

All: -0.477 $\pm$ 0.006 χ^2/NDF : 3028.8/69

- sign -0.472 $\pm$ 0.008 χ^2/NDF : 1958.9/35

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

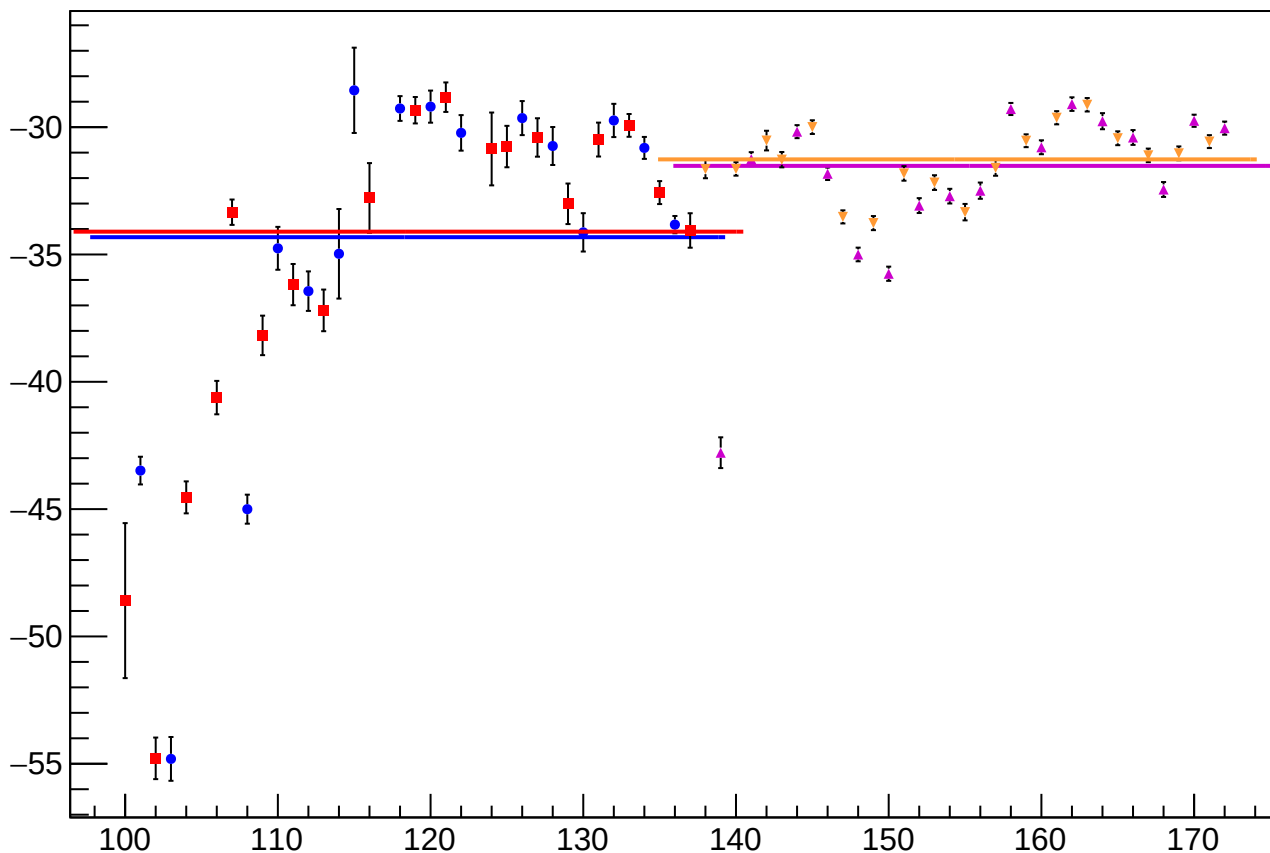
Left In: -14.469 ± 0.092 χ^2/NDF : 722.0/16

+ sign -14.694 ± 0.078 χ^2/NDF : 839.4/33

All: -14.722 ± 0.056 χ^2/NDF : 2099.3/69

- sign -14.751 ± 0.079 χ^2/NDF : 1259.7/35

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.321 $\pm$ 0.153 χ^2/NDF : 1620.5/15

Left Out: -31.265 $\pm$ 0.066 χ^2/NDF : 375.3/17

Right Out: -34.104 $\pm$ 0.154 χ^2/NDF : 1434.8/18

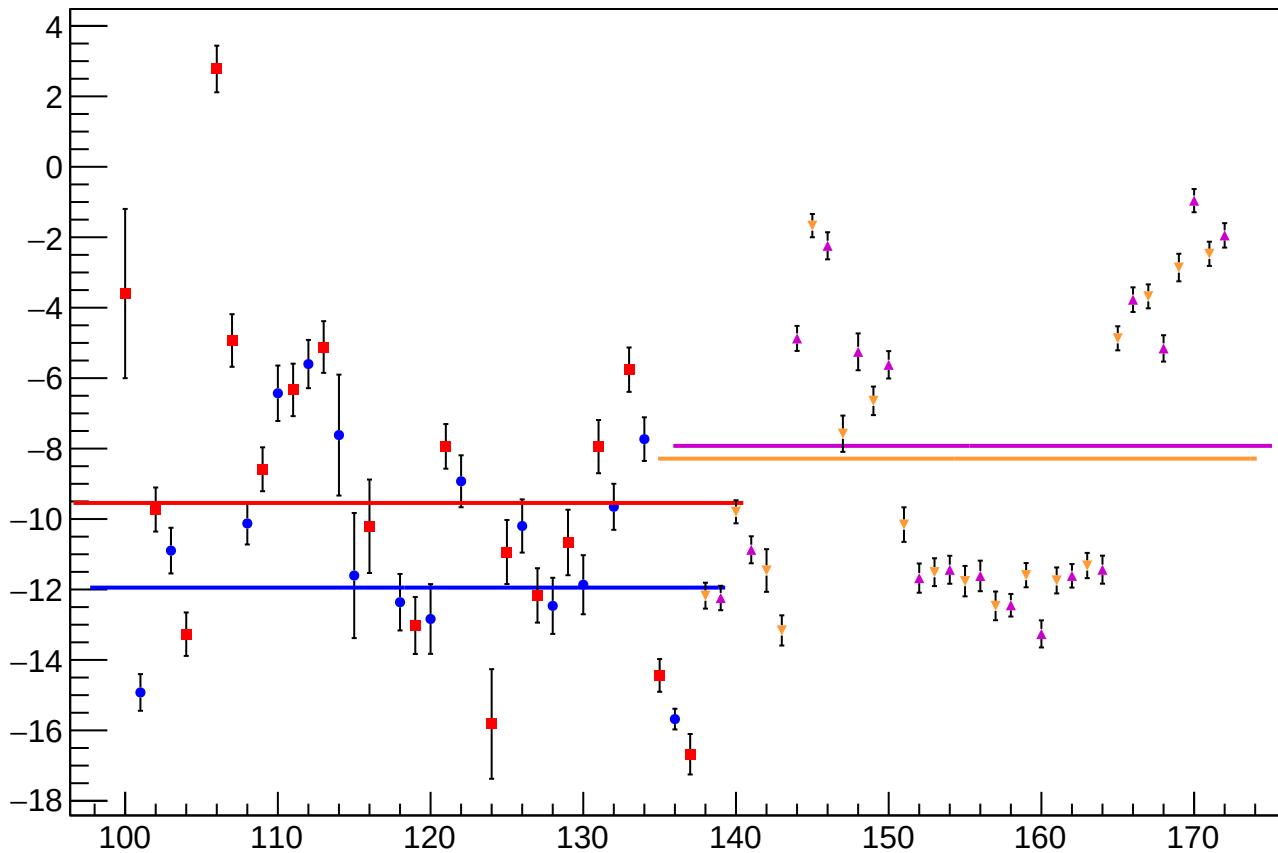
Left In: -31.520 $\pm$ 0.068 χ^2/NDF : 1151.4/16

+ sign -31.747 $\pm$ 0.061 χ^2/NDF : 2330.6/33

All: -31.840 $\pm$ 0.043 χ^2/NDF : 5157.3/69

- sign -31.936 $\pm$ 0.062 χ^2/NDF : 2821.9/35

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

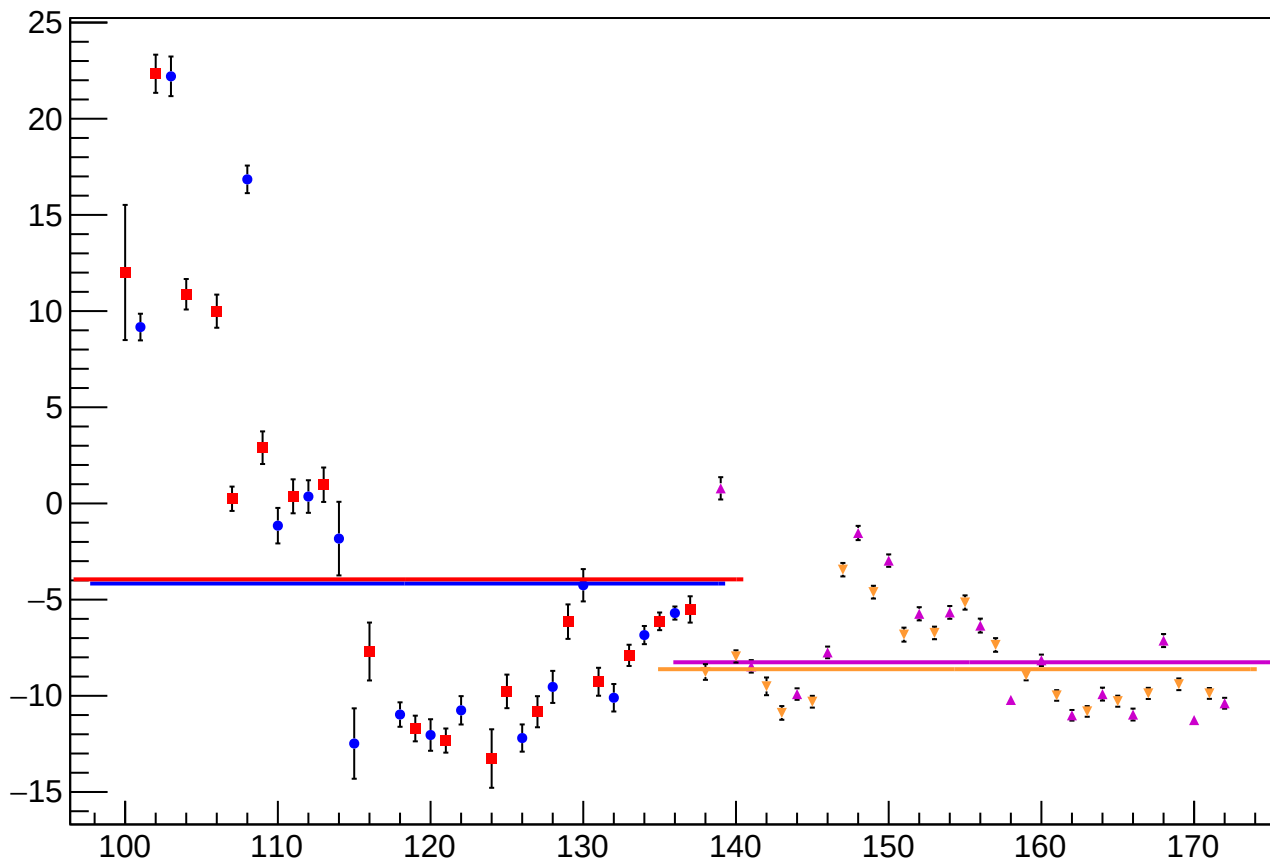
Left In: -7.923 ± 0.090 χ^2/NDF : 2330.7/16

+ sign -9.174 ± 0.079 χ^2/NDF : 2802.0/33

All: -8.738 ± 0.056 χ^2/NDF : 6115.3/69

- sign -8.297 ± 0.079 χ^2/NDF : 3251.9/35

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.163 ± 0.172 $\chi^2/\text{NDF}: 2525.0/15$

Left Out: -8.617 ± 0.075 $\chi^2/\text{NDF}: 766.7/17$

Right Out: -3.947 ± 0.176 $\chi^2/\text{NDF}: 2110.2/18$

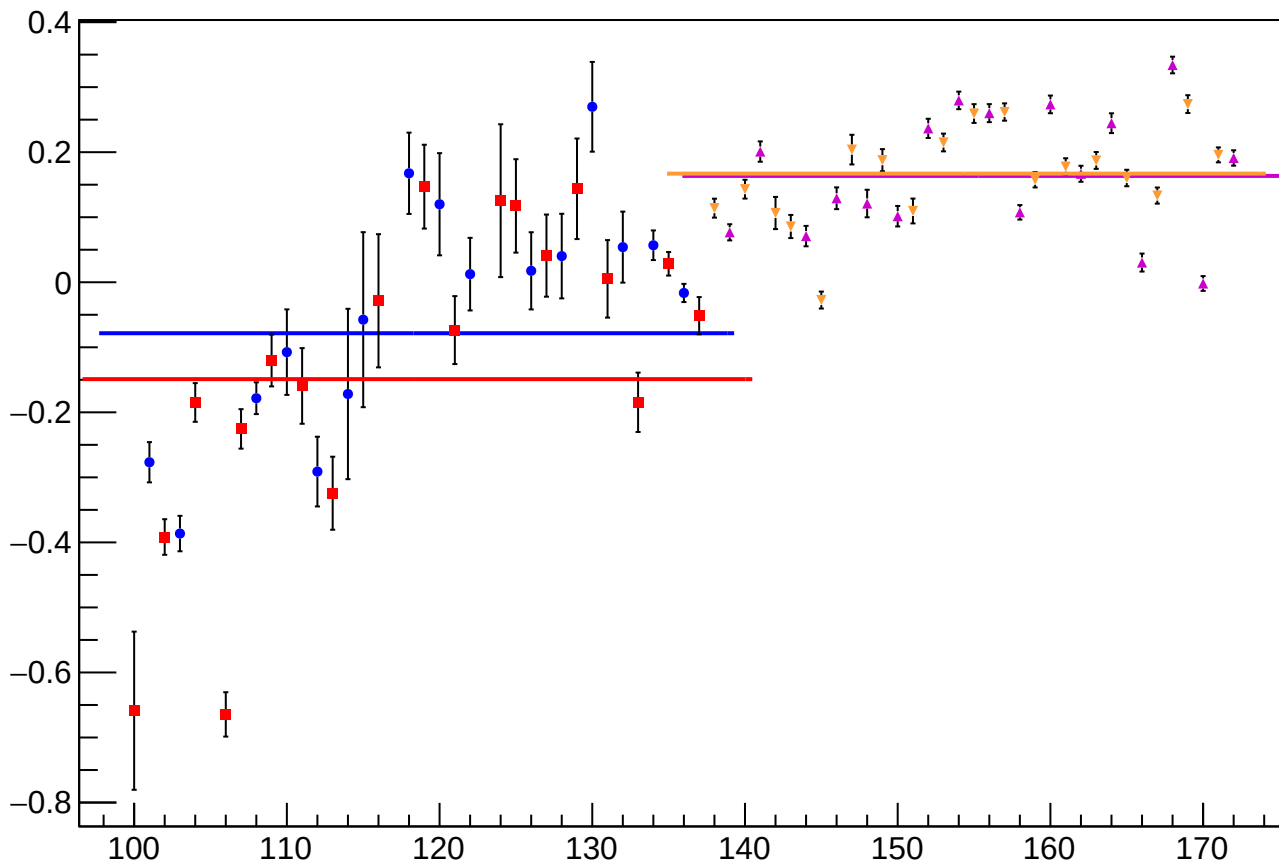
Left In: -8.256 ± 0.076 $\chi^2/\text{NDF}: 1480.5/16$

+ sign -7.899 ± 0.069 $\chi^2/\text{NDF}: 3854.6/33$

All: -7.740 ± 0.049 $\chi^2/\text{NDF}: 7960.9/69$

- sign -7.577 ± 0.070 $\chi^2/\text{NDF}: 4095.5/35$

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: 0.164 ± 0.003 χ^2/NDF : 866.4/16

+ sign 0.134 ± 0.003 χ^2/NDF : 1490.7/33

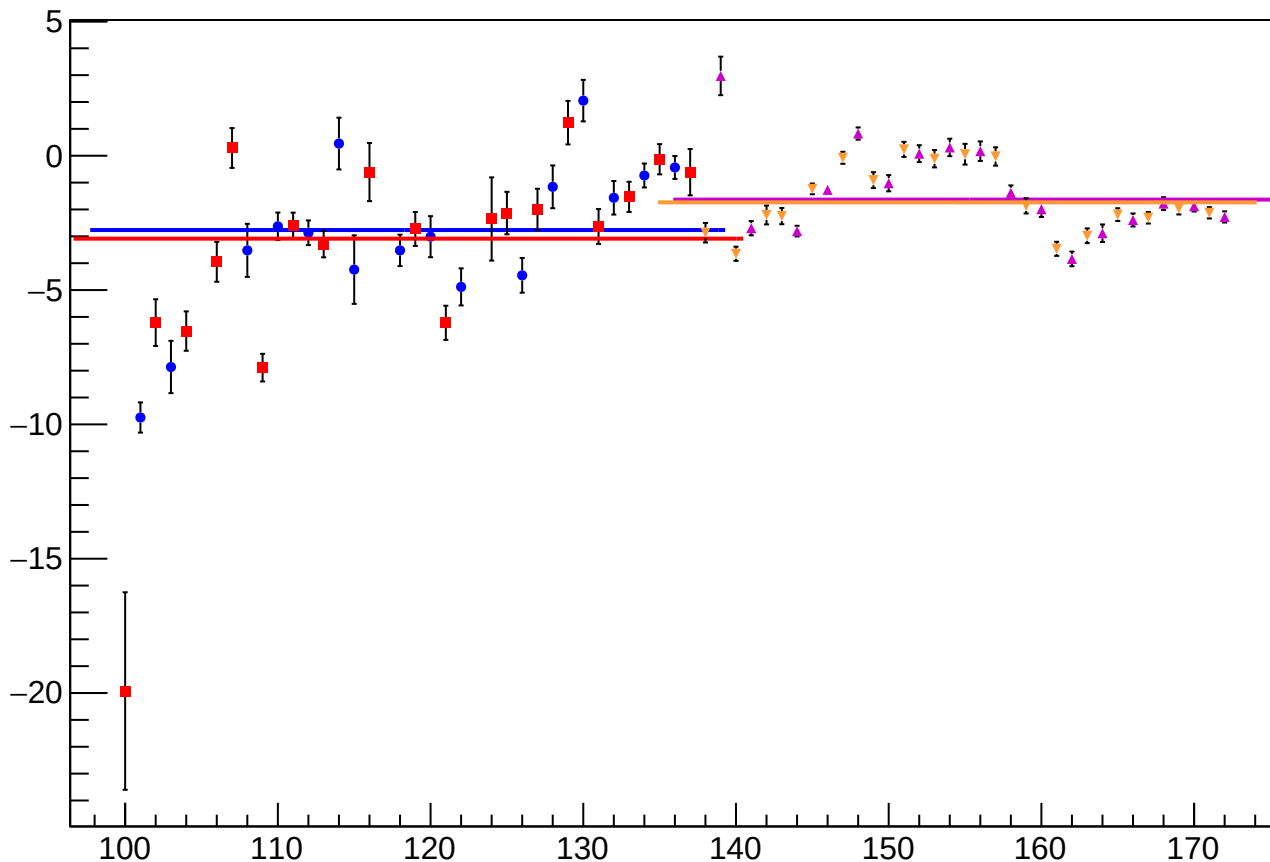
All: 0.130 ± 0.002 χ^2/NDF : 3930.4/69

- sign 0.126 ± 0.003 χ^2/NDF : 2436.5/35

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



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

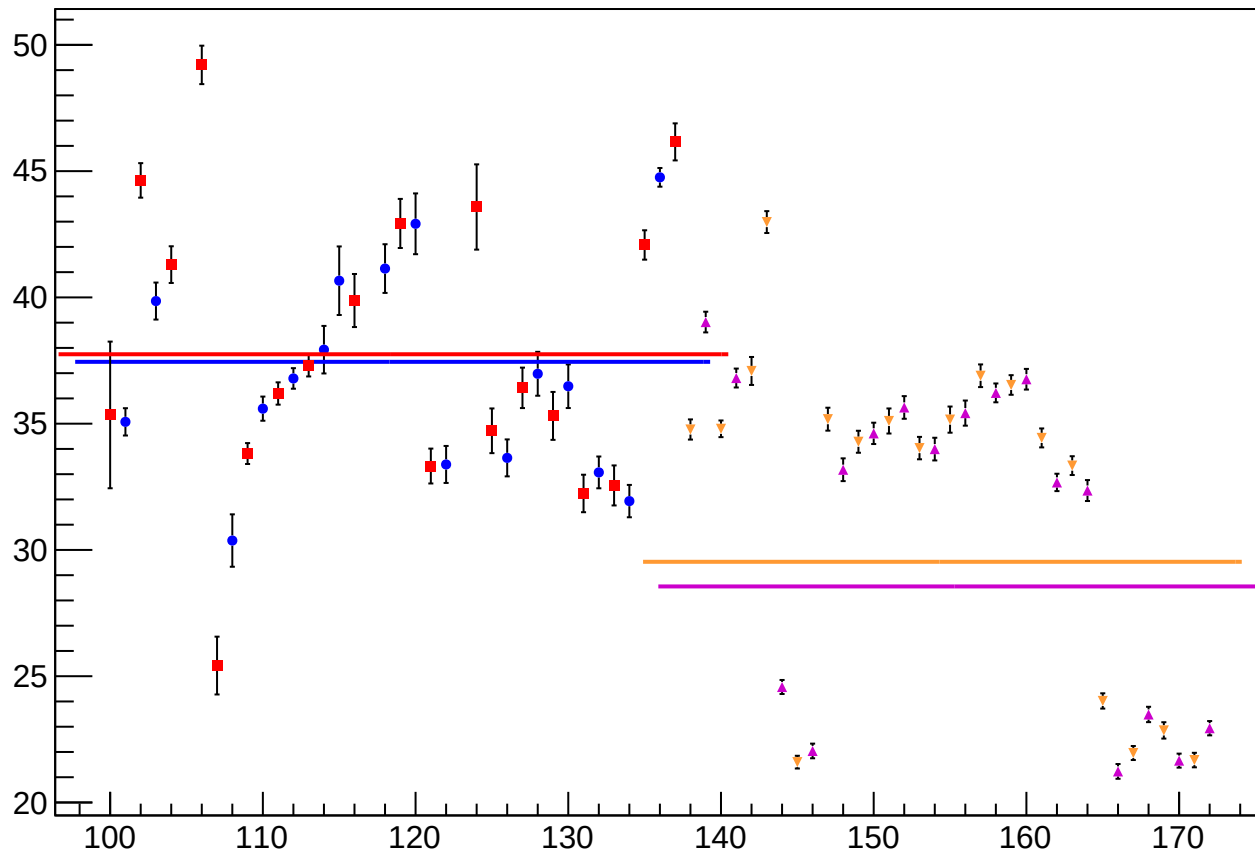
Left In: -1.633 ± 0.062 χ^2/NDF : 410.1/16

+ sign -1.877 ± 0.058 χ^2/NDF : 683.4/33

All: -1.852 ± 0.041 χ^2/NDF : 1440.0/69

- sign -1.827 ± 0.058 χ^2/NDF : 756.3/35

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.449 $\pm$ 0.161 χ^2 /NDF: 706.9/15

Left Out: 29.531 $\pm$ 0.086 χ^2 /NDF:6302.9/17

Right Out: 37.749 $\pm$ 0.159 χ^2 /NDF: 963.6/18

Left In: 28.555 $\pm$ 0.085 χ^2 /NDF:5712.2/16

+ sign 31.304 $\pm$ 0.076 χ^2 /NDF: 8893.6/33

All: 30.946 $\pm$ 0.053 χ^2 /NDF: 18200.5/69

- sign 30.597 $\pm$ 0.075 χ^2 /NDF: 9263.3/35

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.812 $\pm$ 0.174 χ^2 /NDF: 5686.4/15

Left Out: 23.513 $\pm$ 0.071 χ^2 /NDF: 715.8/17

Right Out: 11.955 $\pm$ 0.177 χ^2 /NDF: 6105.5/18

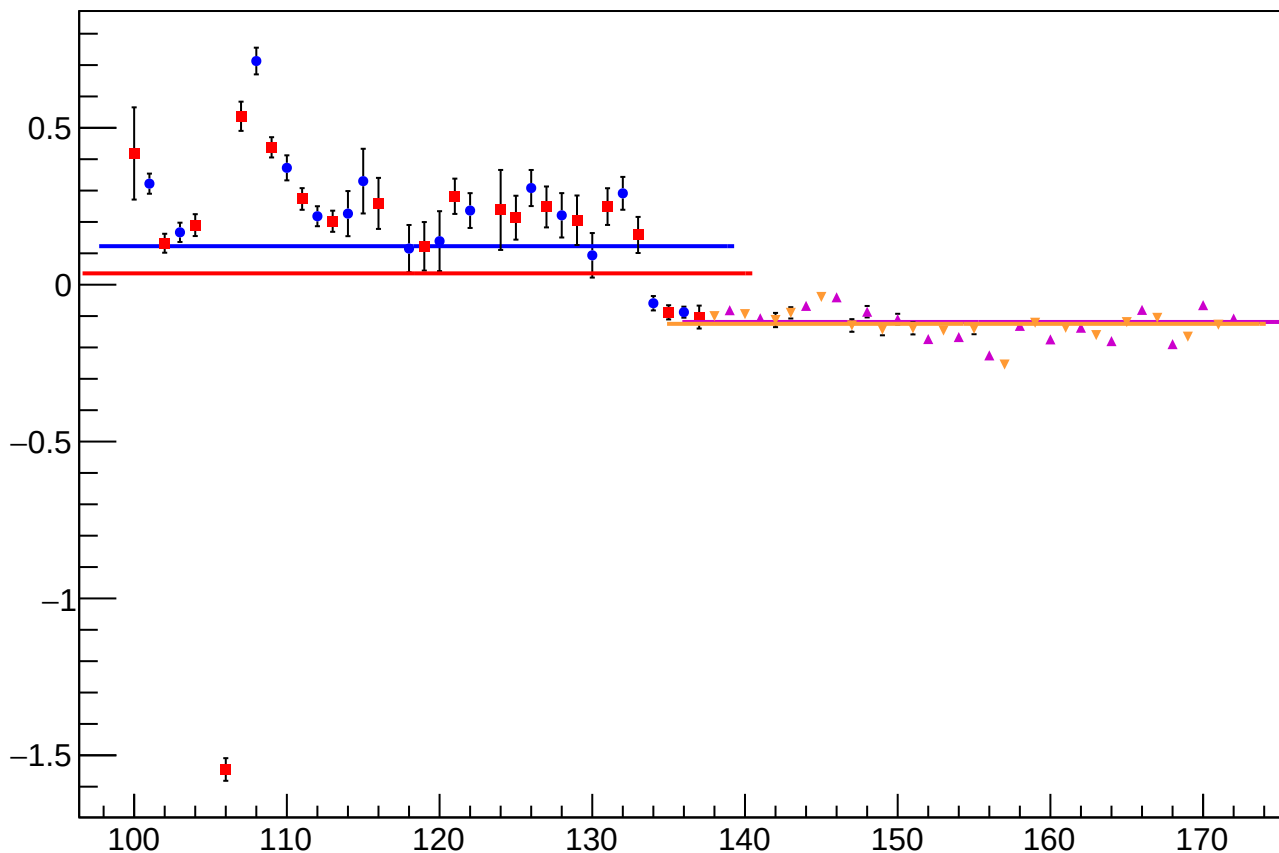
Left In: 23.239 $\pm$ 0.071 χ^2 /NDF: 731.7/16

+ sign 22.263 $\pm$ 0.066 χ^2 /NDF: 8546.7/33

All: 21.973 $\pm$ 0.046 χ^2 /NDF: 18934.1/69

- sign 21.685 $\pm$ 0.066 χ^2 /NDF: 10348.8/35

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



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

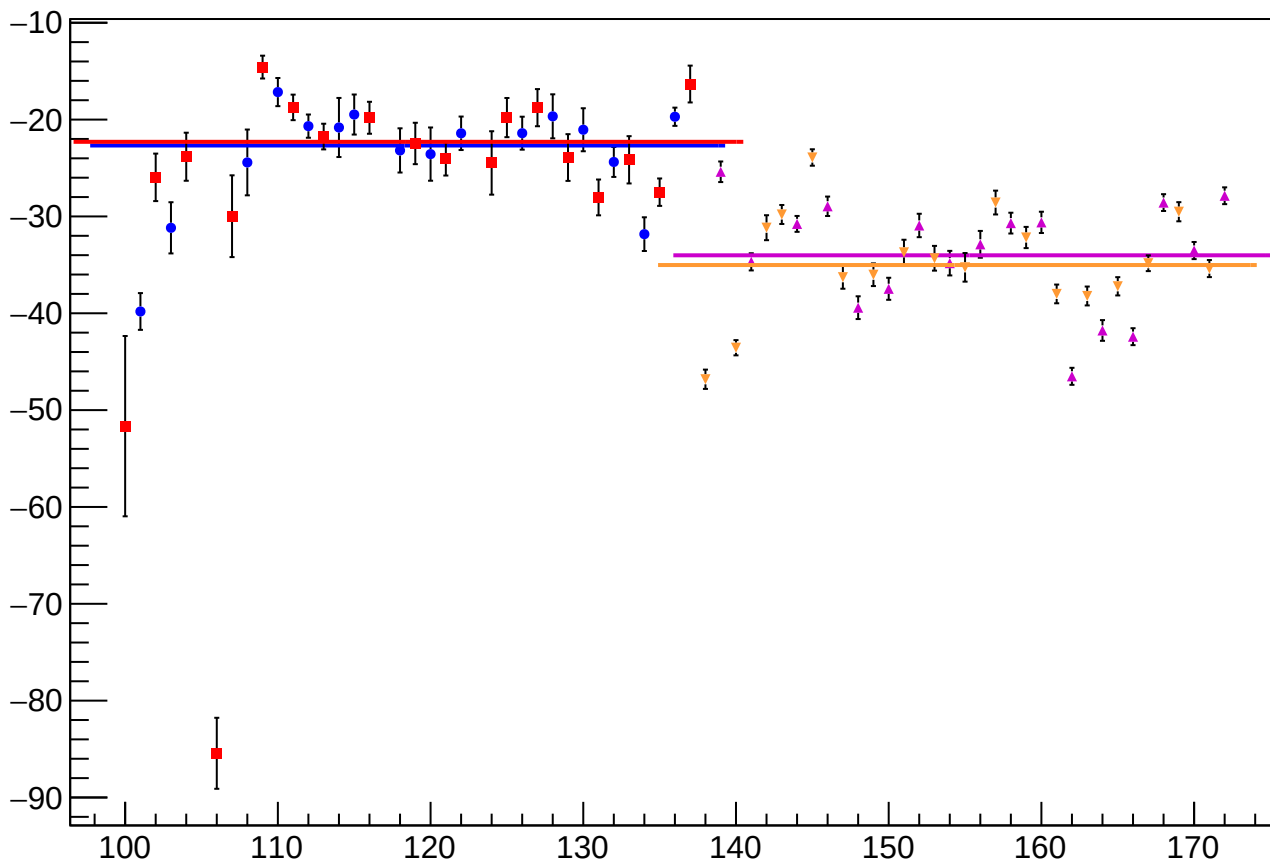
Left In: -0.119 ± 0.003 χ^2/NDF : 256.2/16

+ sign -0.099 ± 0.003 χ^2/NDF : 1331.6/33

All: -0.102 ± 0.002 χ^2/NDF : 4231.1/69

- sign -0.104 ± 0.003 χ^2/NDF : 2898.1/35

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

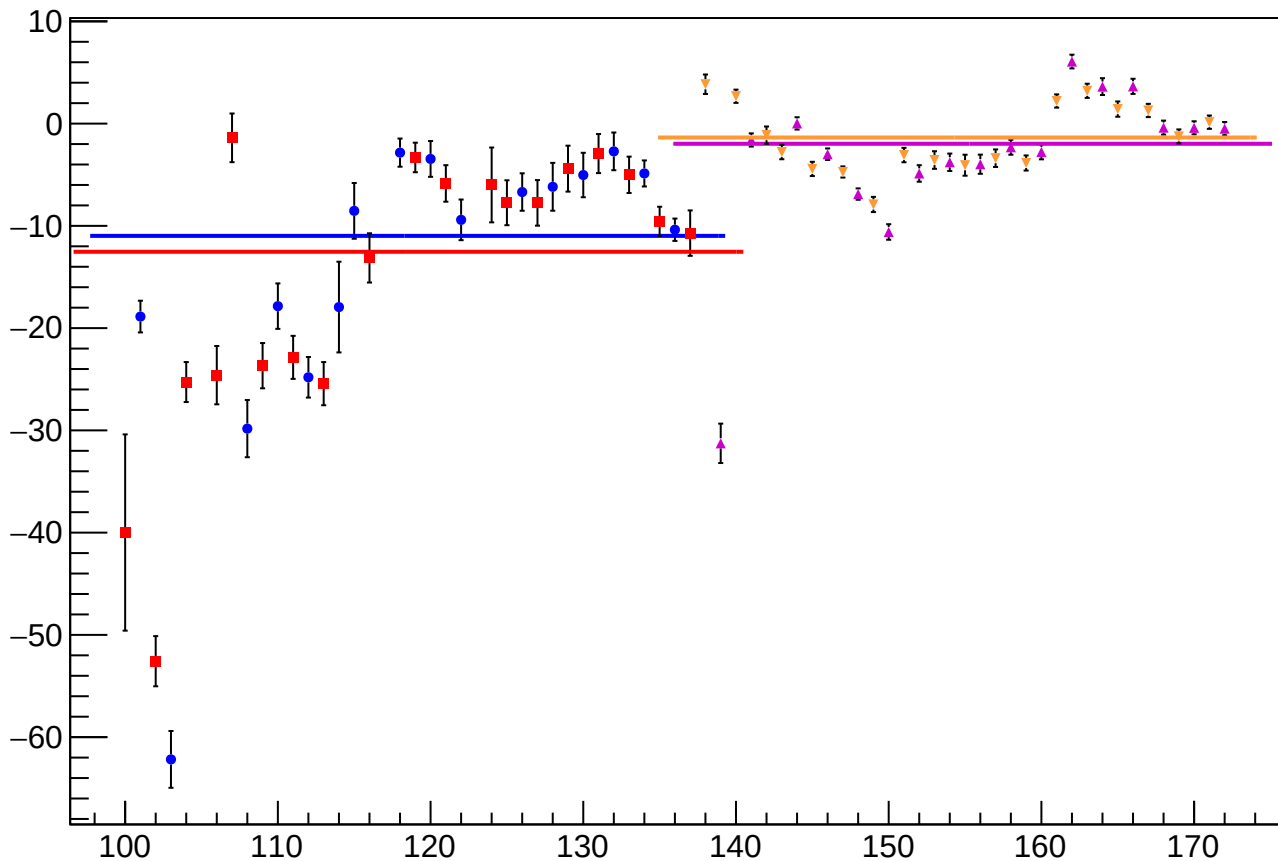
Left In: -34.014±/0.242 χ^2/NDF : 602.0/16

+ sign -32.127±/0.210 χ^2/NDF : 1333.1/33

All: -31.689±/0.149 χ^2/NDF : 2903.1/69

- sign -31.245±/0.212 χ^2/NDF : 1561.3/35

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

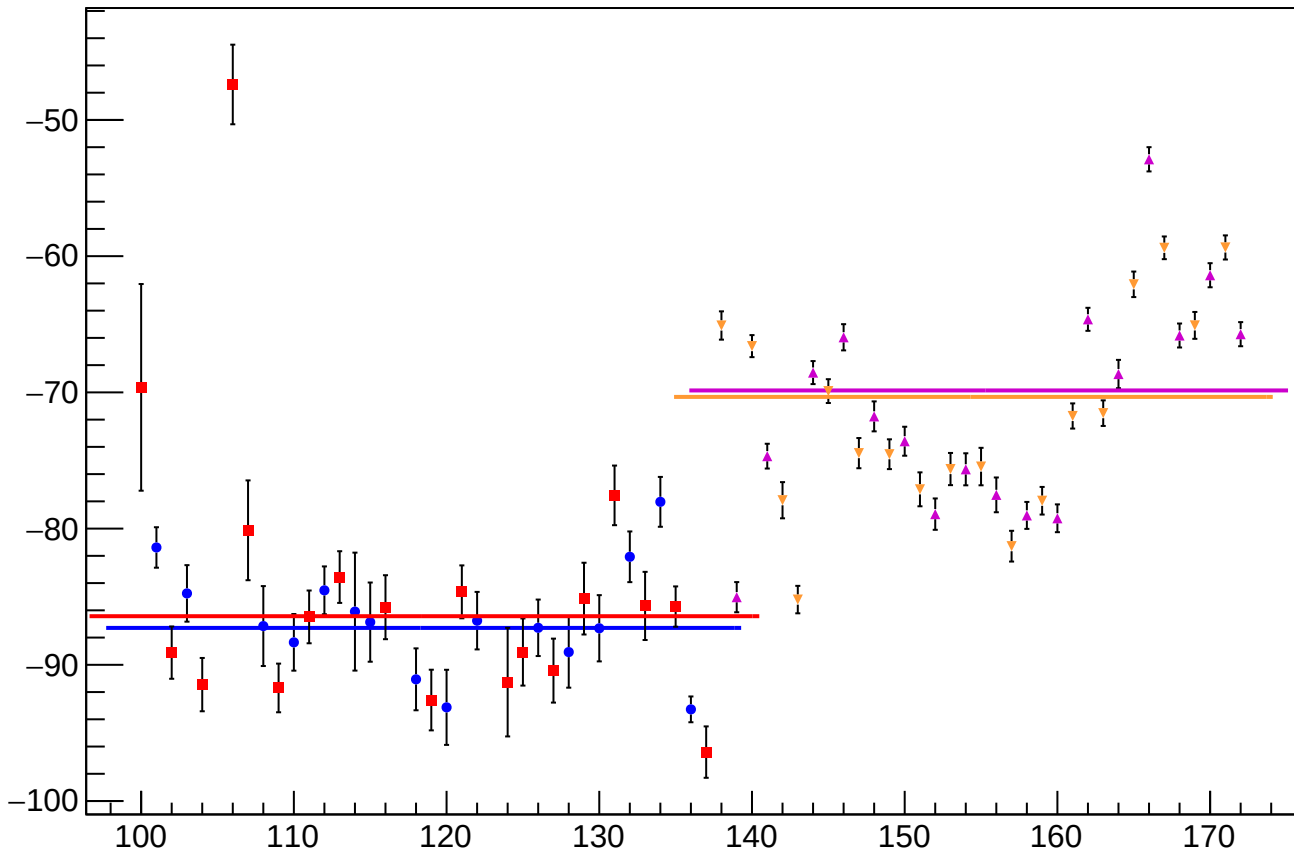
Left In: -1.972 ± 0.172 χ^2/NDF : 739.9/16

+ sign -2.541 ± 0.159 χ^2/NDF : 1336.0/33

All: -2.849 ± 0.113 χ^2/NDF : 3083.2/69

- sign -3.168 ± 0.162 χ^2/NDF : 1739.5/35

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



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

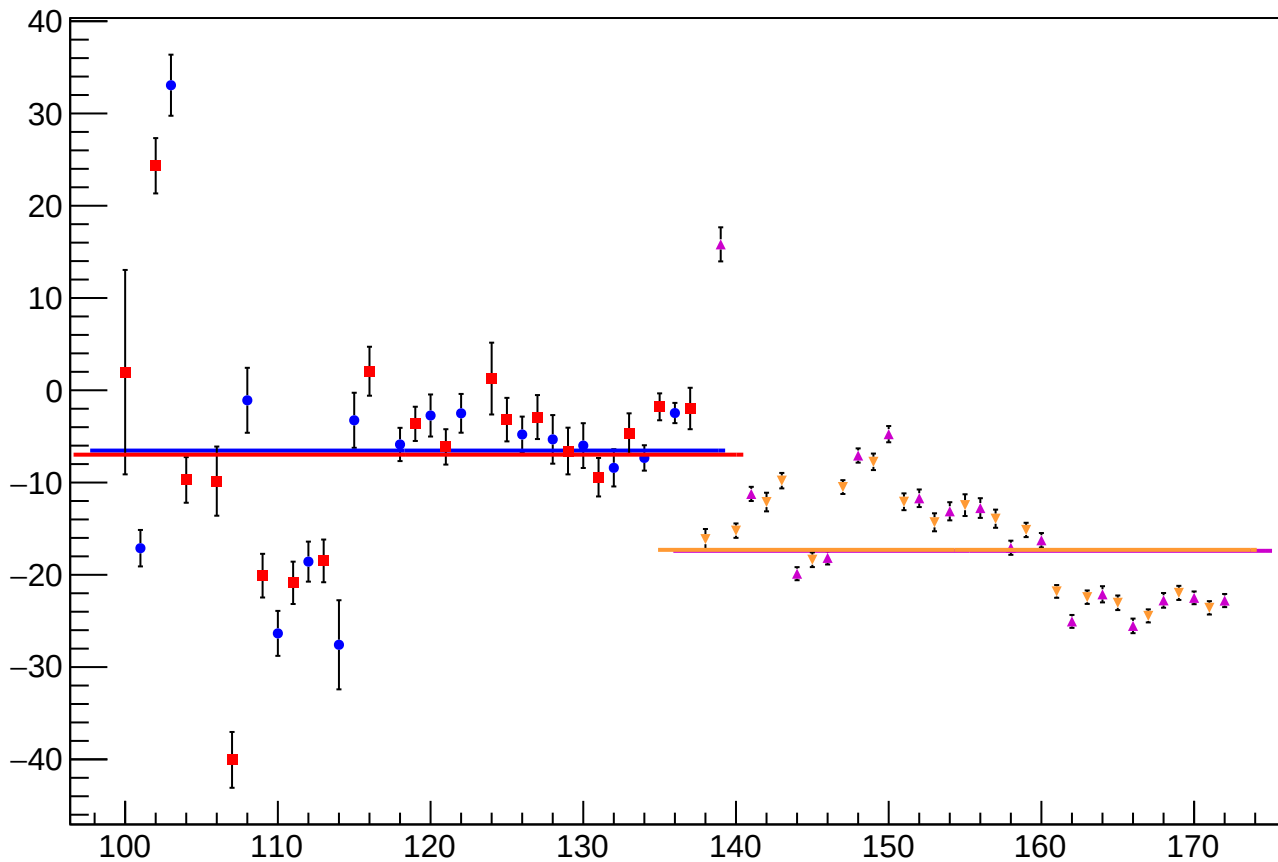
Left In: -69.857 ± 0.238 χ^2/NDF : 1080.2/16

+ sign -73.651 ± 0.213 χ^2/NDF : 2079.3/33

All: -73.255 ± 0.151 χ^2/NDF : 4310.6/69

- sign -72.851 ± 0.215 χ^2/NDF : 2224.3/35

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.535 ± 0.508 χ^2/NDF : 313.9/15

Left Out: -17.295 ± 0.195 χ^2/NDF : 750.5/17

Right Out: -6.979 ± 0.542 χ^2/NDF : 368.3/18

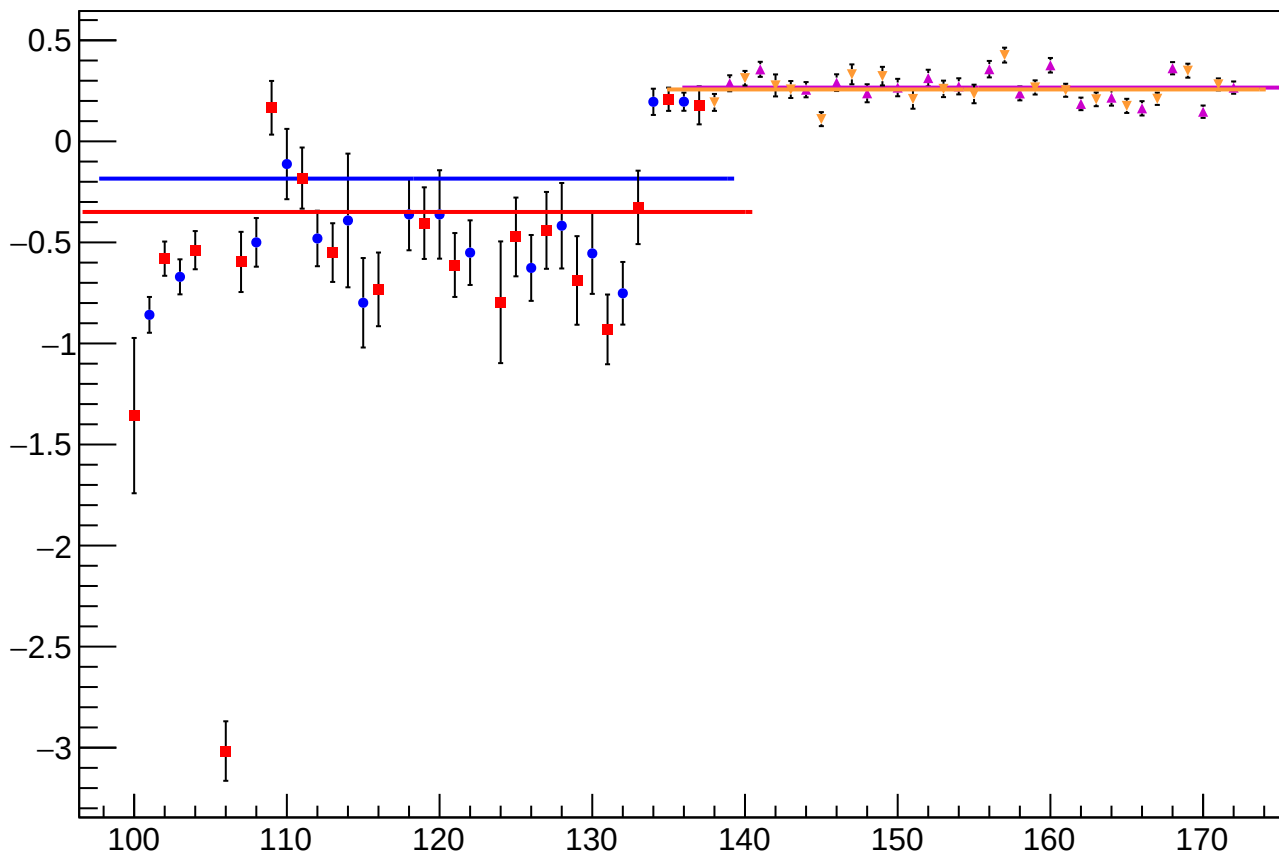
Left In: -17.399 ± 0.197 χ^2/NDF : 1273.0/16

+ sign -15.914 ± 0.182 χ^2/NDF : 1455.7/33

All: -16.046 ± 0.130 χ^2/NDF : 3424.9/69

- sign -16.183 ± 0.185 χ^2/NDF : 1968.2/35

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

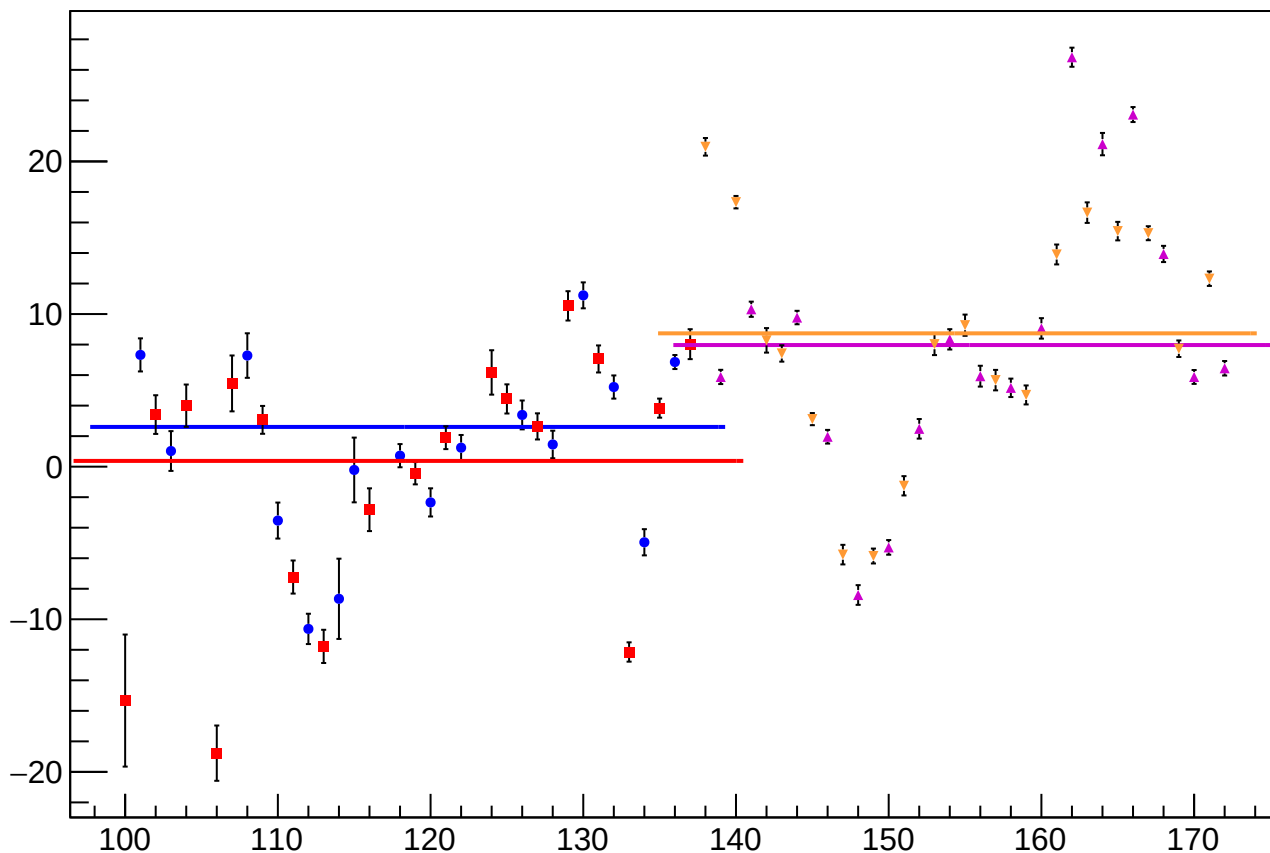
Left In: 0.266 ± 0.009 χ^2/NDF : 65.2/16

+ sign 0.213 ± 0.008 χ^2/NDF : 559.4/33

All: 0.214 ± 0.006 χ^2/NDF : 1545.0/69

- sign 0.215 ± 0.008 χ^2/NDF : 985.6/35

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

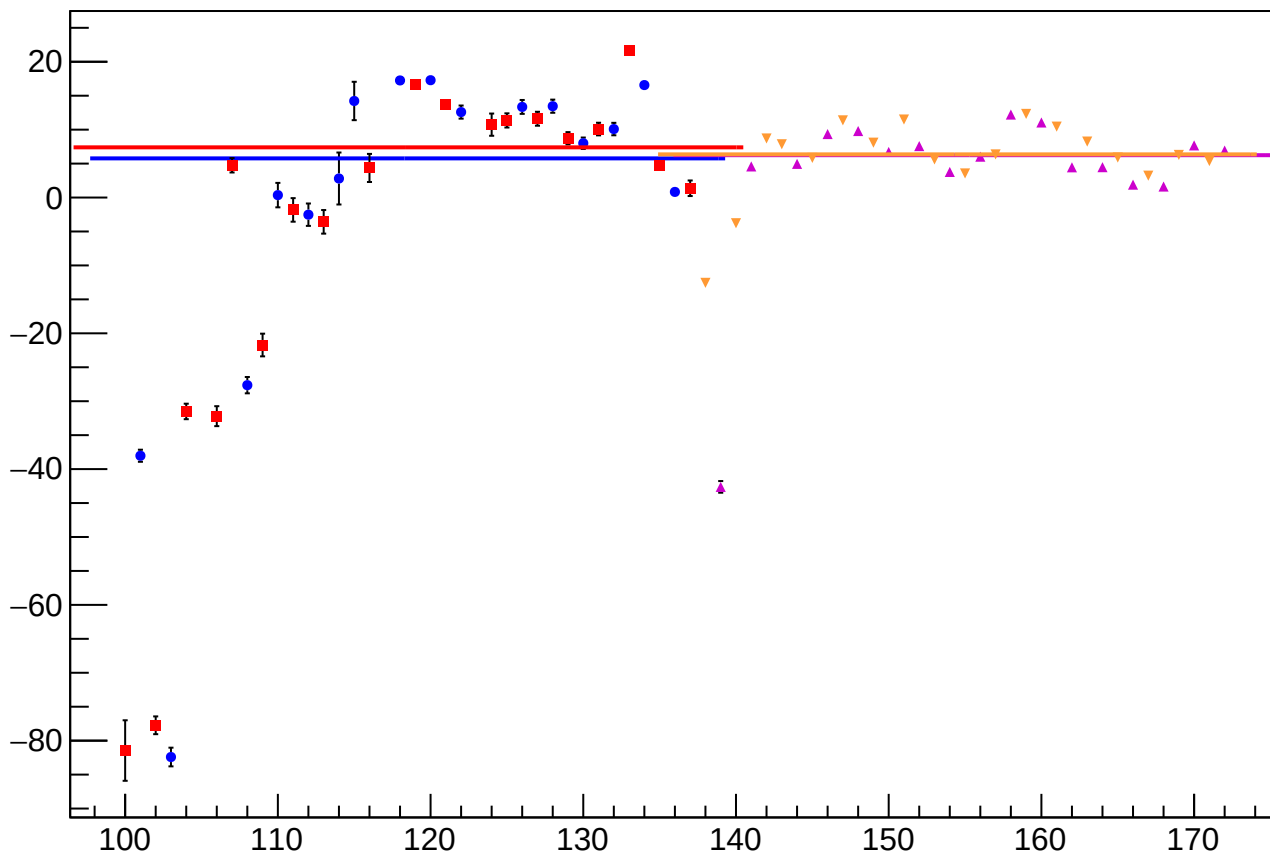
Left In: 7.969 ± 0.131 χ^2/NDF : 4082.5/16

+ sign 7.172 ± 0.113 χ^2/NDF : 4535.8/33

All: 6.593 ± 0.080 χ^2/NDF : 10568.7/69

- sign 6.020 ± 0.113 χ^2/NDF : 5980.8/35

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 5.768 $\pm$ 0.210 χ^2 /NDF: 8933.8/15

Left Out: 6.359 $\pm$ 0.093 χ^2 /NDF: 2914.6/17

Right Out: 7.393 $\pm$ 0.209 χ^2 /NDF: 8390.6/18

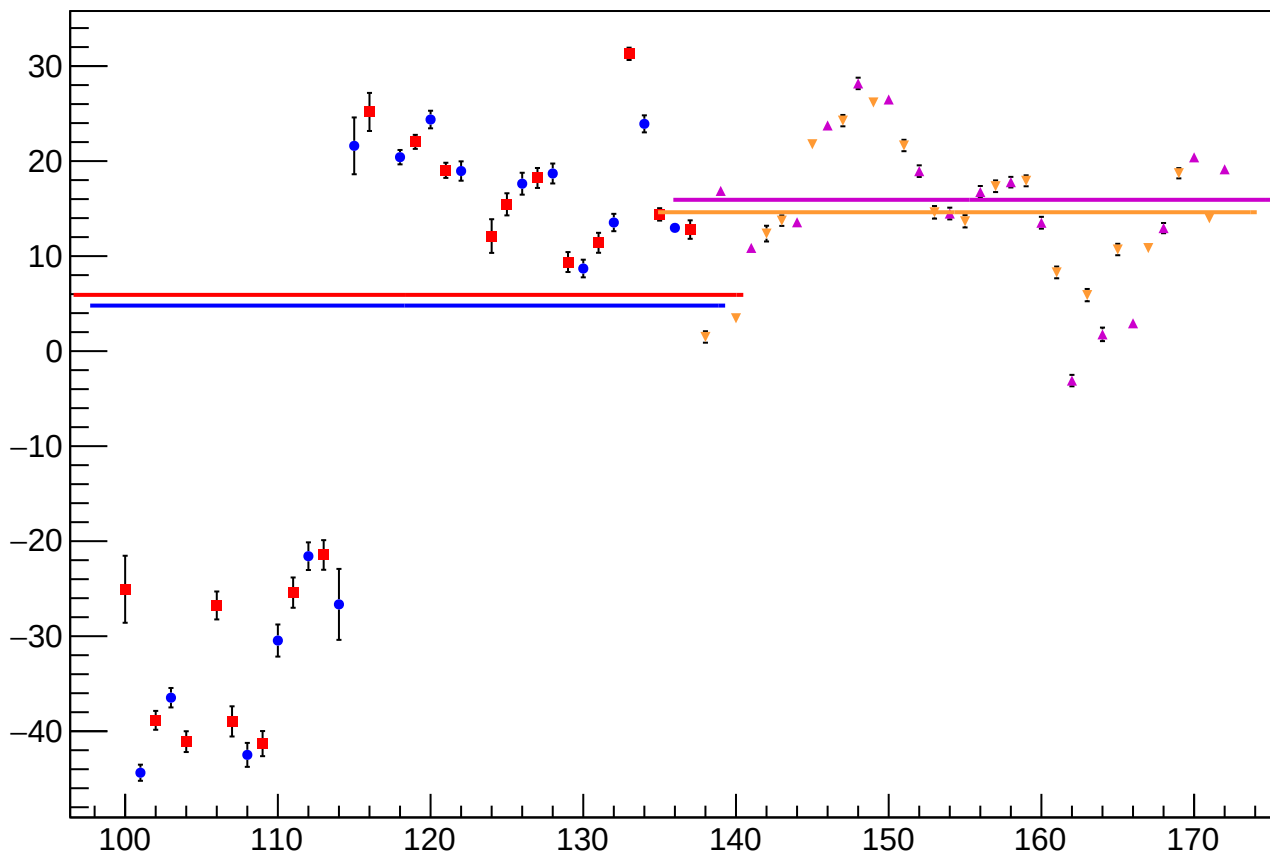
Left In: 6.239 $\pm$ 0.094 χ^2 /NDF: 4179.5/16

+ sign 6.262 $\pm$ 0.085 χ^2 /NDF: 11855.1/33

All: 6.347 $\pm$ 0.060 χ^2 /NDF: 24452.6/69

- sign 6.433 $\pm$ 0.086 χ^2 /NDF: 12595.5/35

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

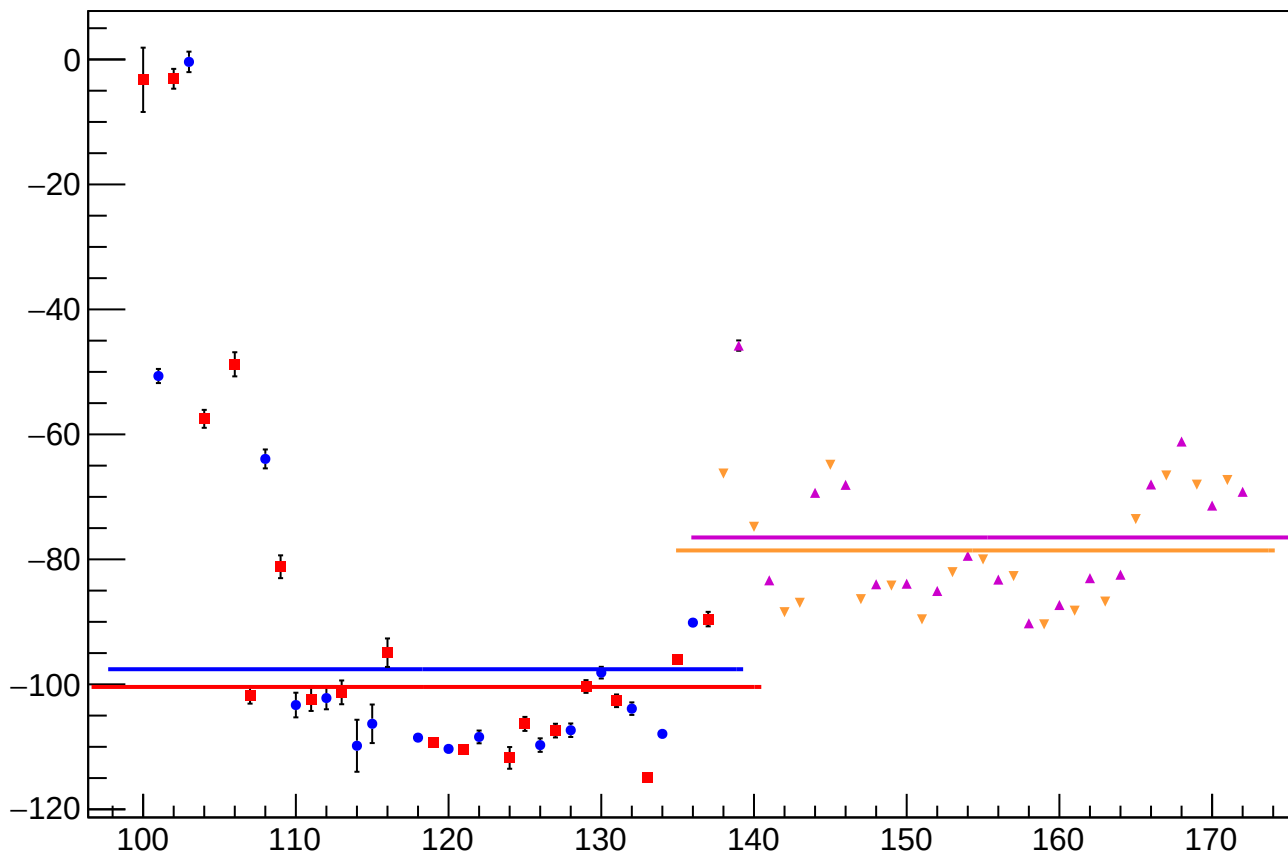
Left In: 15.926 ± 0.128 χ^2/NDF : 3715.7/16

+ sign 12.373 ± 0.113 χ^2/NDF : 13860.2/33

All: 13.041 ± 0.080 χ^2/NDF : 29057.2/69

- sign 13.703 ± 0.113 χ^2/NDF : 15128.2/35

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -97.581 ± 0.242 $\chi^2/\text{NDF}: 7144.2/15$

Left Out: -78.573 ± 0.107 $\chi^2/\text{NDF}: 7487.9/17$

Right Out: -100.418 ± 0.241 $\chi^2/\text{NDF}: 7115.7/18$

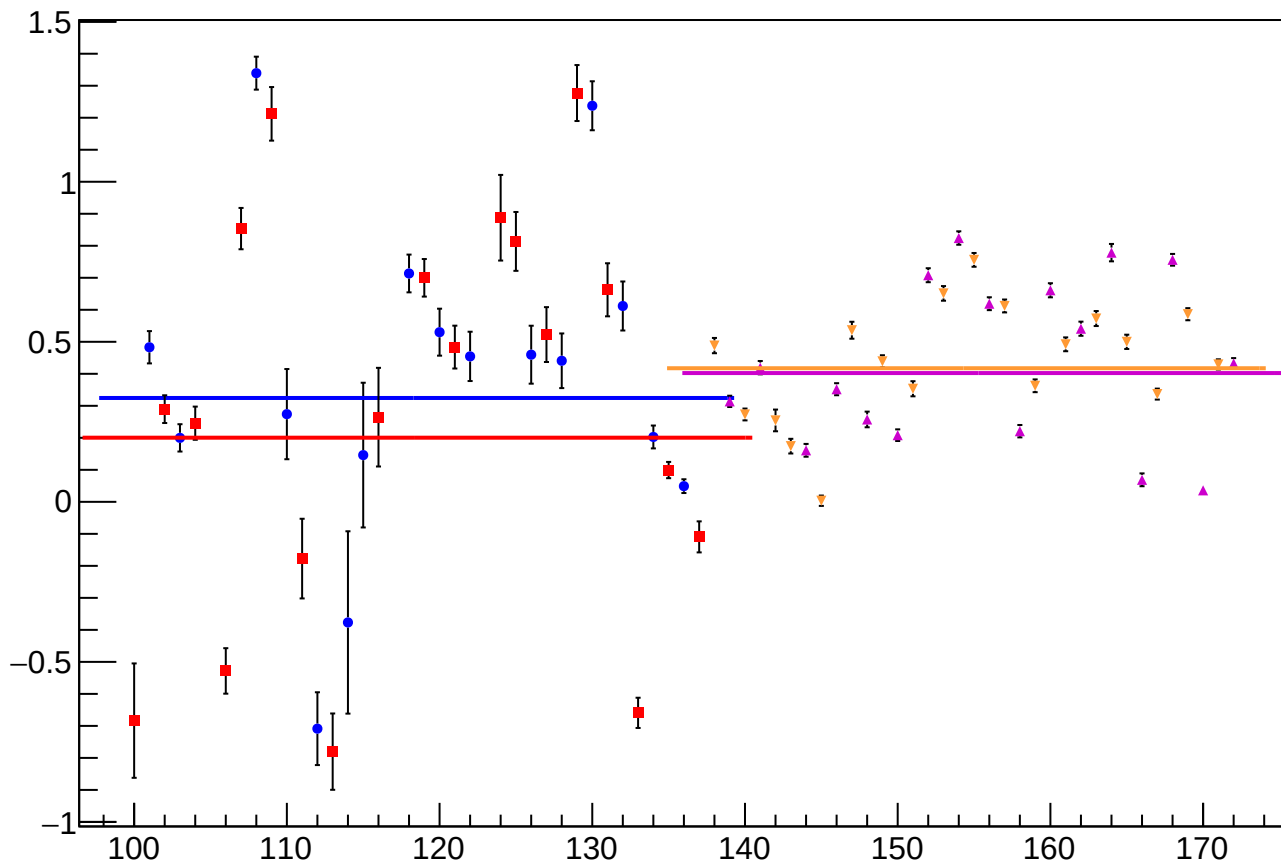
Left In: -76.495 ± 0.108 $\chi^2/\text{NDF}: 7457.6/16$

+ sign -81.711 ± 0.098 $\chi^2/\text{NDF}: 19796.2/33$

All: -81.099 ± 0.070 $\chi^2/\text{NDF}: 42659.4/69$

- sign -80.485 ± 0.098 $\chi^2/\text{NDF}: 22785.3/35$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.324 $\pm$ 0.013 χ^2 /NDF: 886.5/15

Left Out: 0.417 $\pm$ 0.005 χ^2 /NDF:1512.9/17

Right Out: 0.200 $\pm$ 0.014 χ^2 /NDF: 1206.3/18

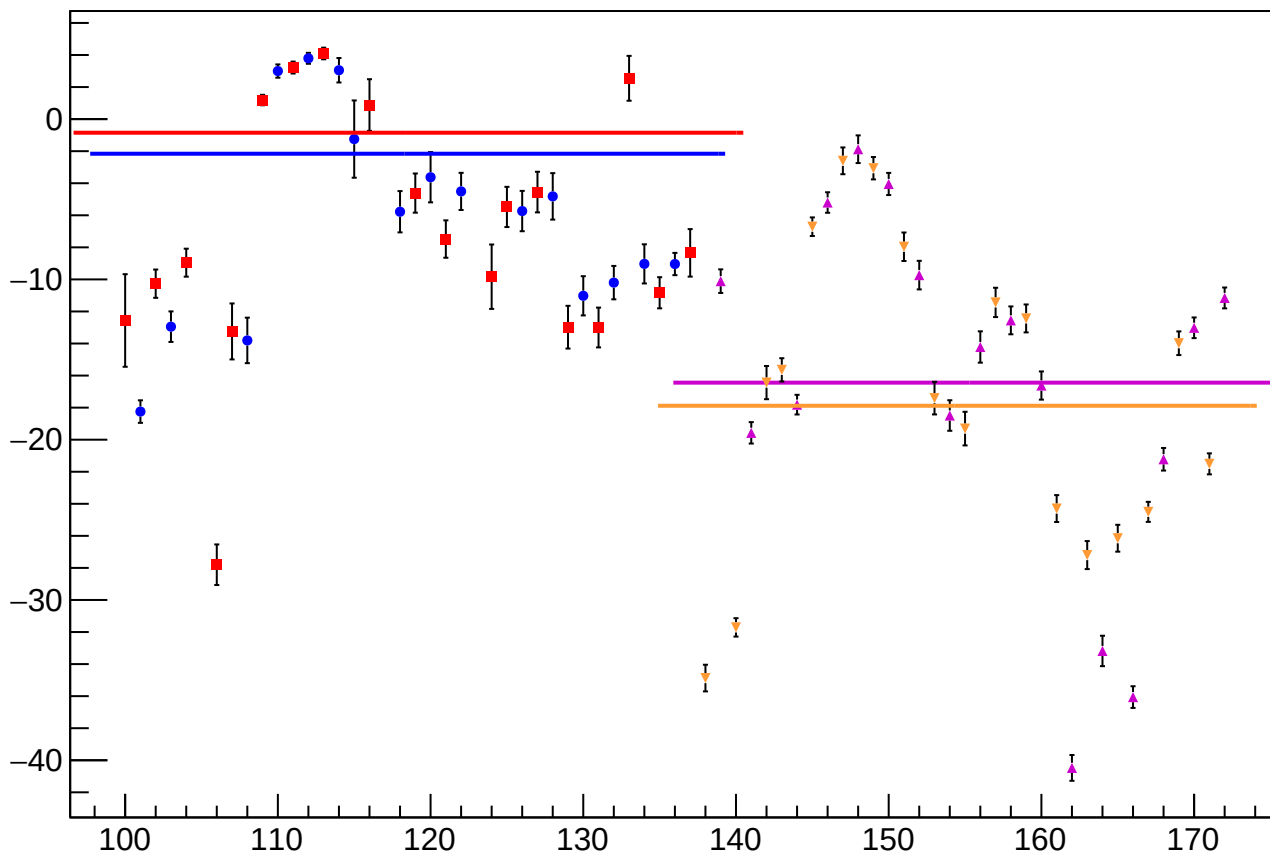
Left In: 0.402 $\pm$ 0.005 χ^2 /NDF:2697.0/16

+ sign 0.406 $\pm$ 0.005 χ^2 /NDF: 2442.5/33

All: 0.393 $\pm$ 0.003 χ^2 /NDF: 6551.8/69

- sign 0.381 $\pm$ 0.005 χ^2 /NDF: 4093.3/35

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.159 ± 0.192 $\chi^2/\text{NDF}: 1491.0/15$

Left Out: -17.884 ± 0.182 $\chi^2/\text{NDF}: 2820.5/17$

Right Out: -0.848 ± 0.170 $\chi^2/\text{NDF}: 1465.4/18$

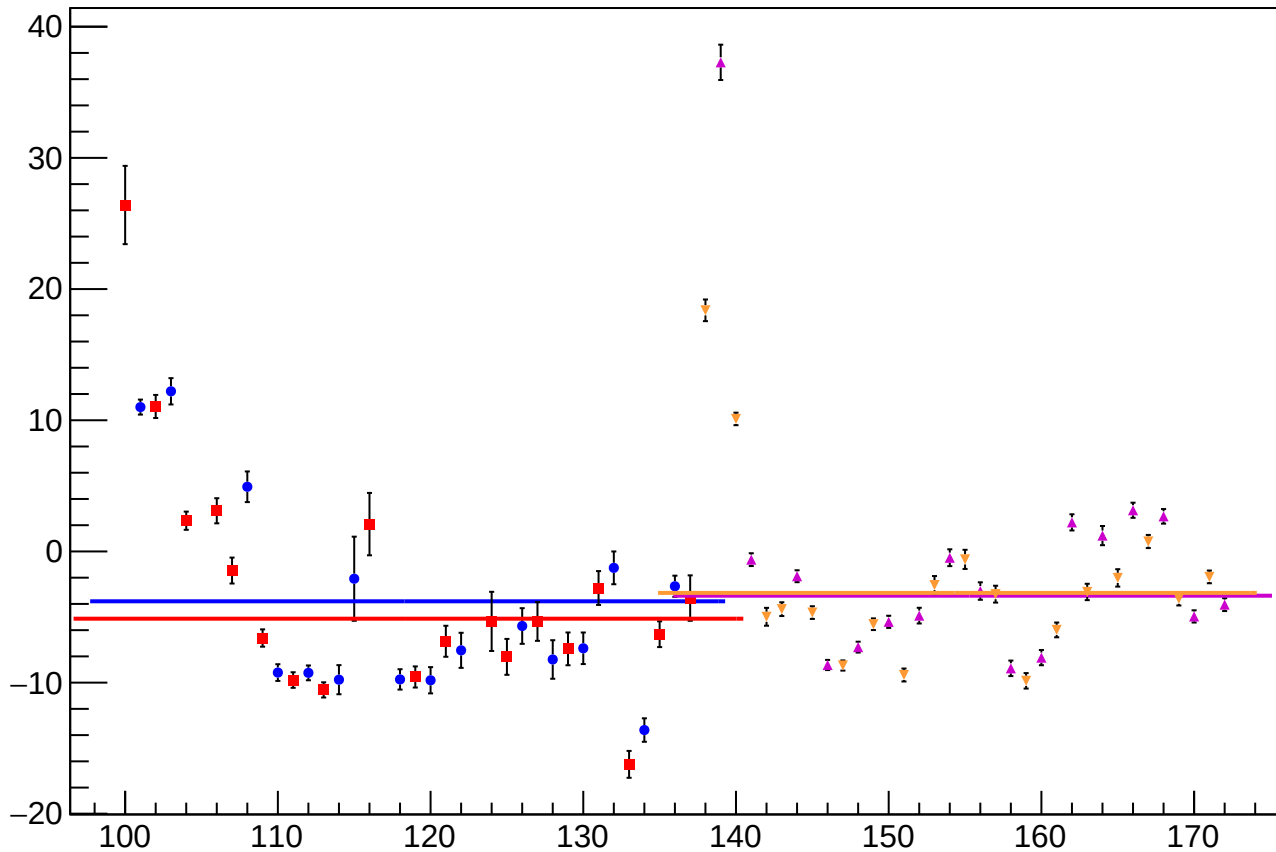
Left In: -16.441 ± 0.182 $\chi^2/\text{NDF}: 3283.2/16$

+ sign -10.455 ± 0.132 $\chi^2/\text{NDF}: 7850.6/33$

All: -9.229 ± 0.090 $\chi^2/\text{NDF}: 16678.1/69$

- sign -8.140 ± 0.124 $\chi^2/\text{NDF}: 8664.4/35$

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

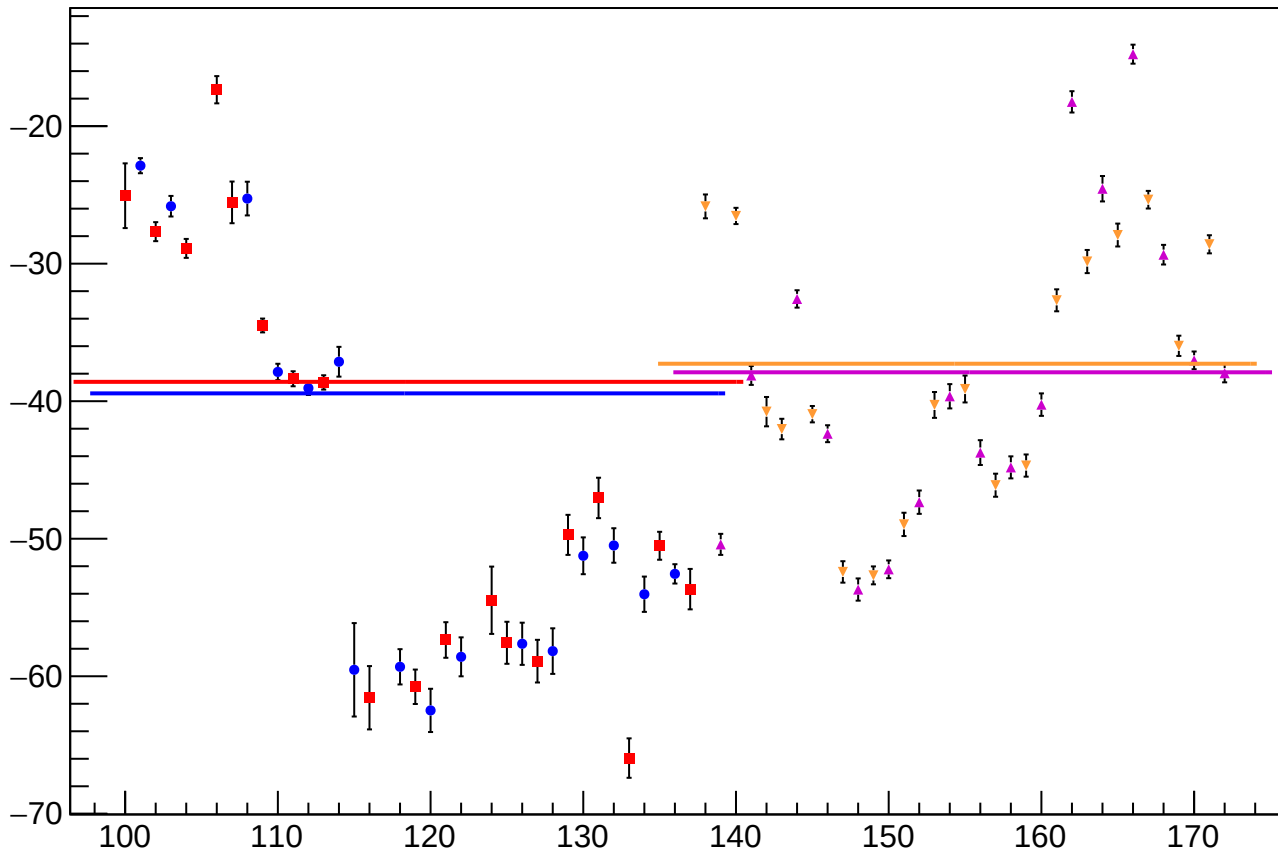
Left In: -3.374 ± 0.130 χ^2/NDF : 1809.0/16

+ sign -3.316 ± 0.111 χ^2/NDF : 3537.5/33

All: -3.572 ± 0.079 χ^2/NDF : 6385.1/69

- sign -3.829 ± 0.112 χ^2/NDF : 2837.1/35

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.431 ± 0.225 $\chi^2/\text{NDF}: 2958.1/15$

Left Out: -37.276 ± 0.179 $\chi^2/\text{NDF}: 2688.5/17$

Right Out: -38.593 ± 0.213 $\chi^2/\text{NDF}: 2772.1/18$

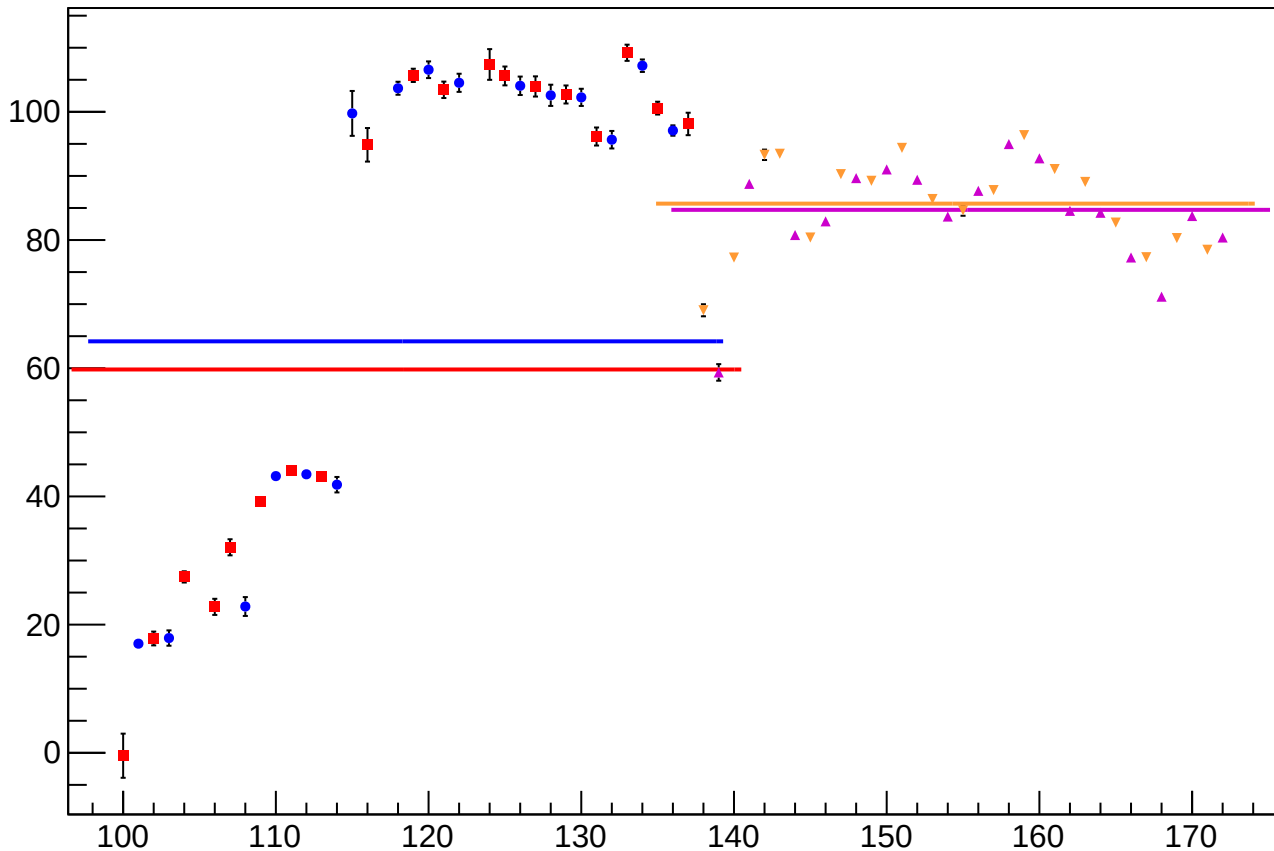
Left In: -37.898 ± 0.178 $\chi^2/\text{NDF}: 3637.5/16$

+ sign -38.109 ± 0.140 $\chi^2/\text{NDF}: 5702.7/33$

All: -38.148 ± 0.098 $\chi^2/\text{NDF}: 12118.7/69$

- sign -38.185 ± 0.137 $\chi^2/\text{NDF}: 6415.9/35$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.196 $\pm$ 0.258 χ^2 /NDF: 18596.4/15

Left Out: 85.679 $\pm$ 0.148 χ^2 /NDF: 2109.6/17

Right Out: 59.805 $\pm$ 0.249 χ^2 /NDF: 17431.2/18

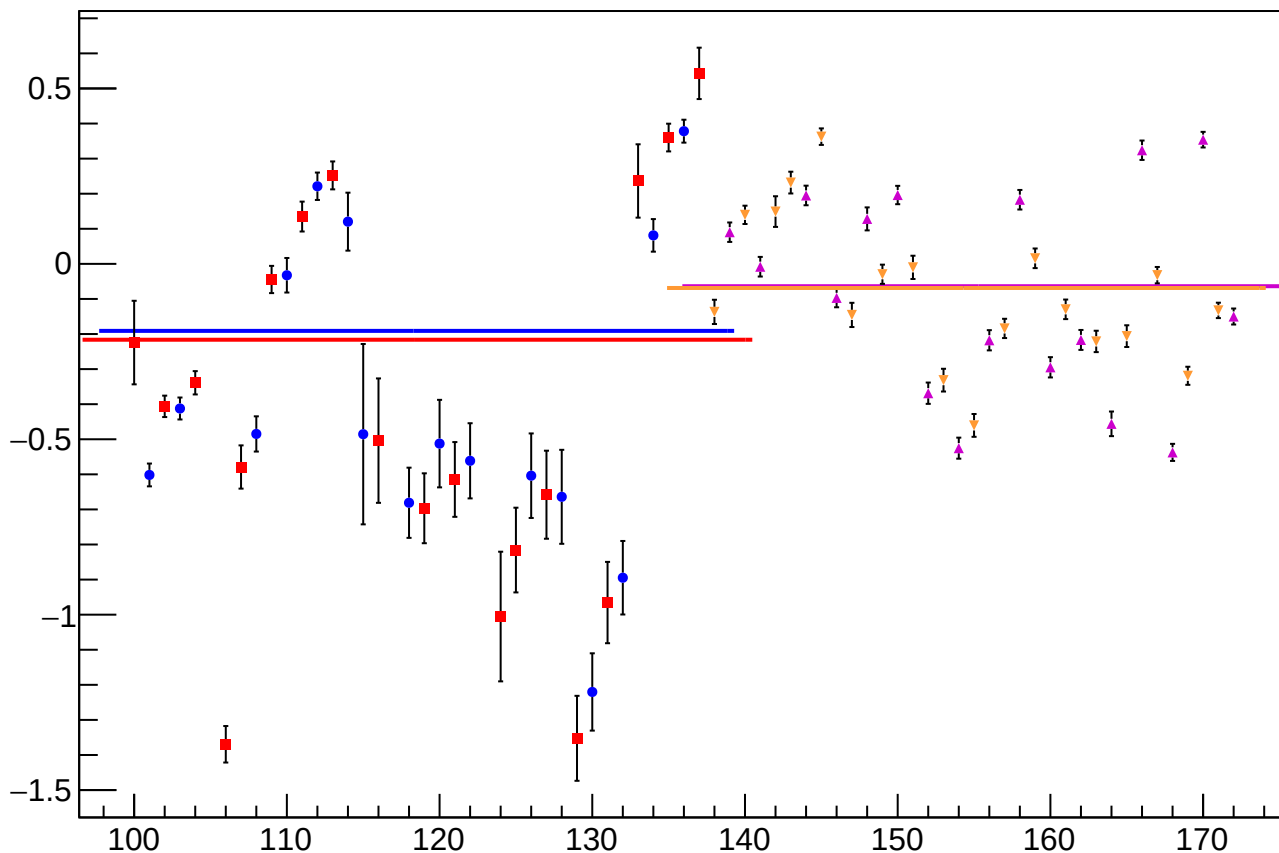
Left In: 84.710 $\pm$ 0.149 χ^2 /NDF: 1865.6/16

+ sign 80.347 $\pm$ 0.128 χ^2 /NDF: 25939.0/33

All: 79.240 $\pm$ 0.091 χ^2 /NDF: 52765.2/69

- sign 78.142 $\pm$ 0.128 χ^2 /NDF: 26677.8/35

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

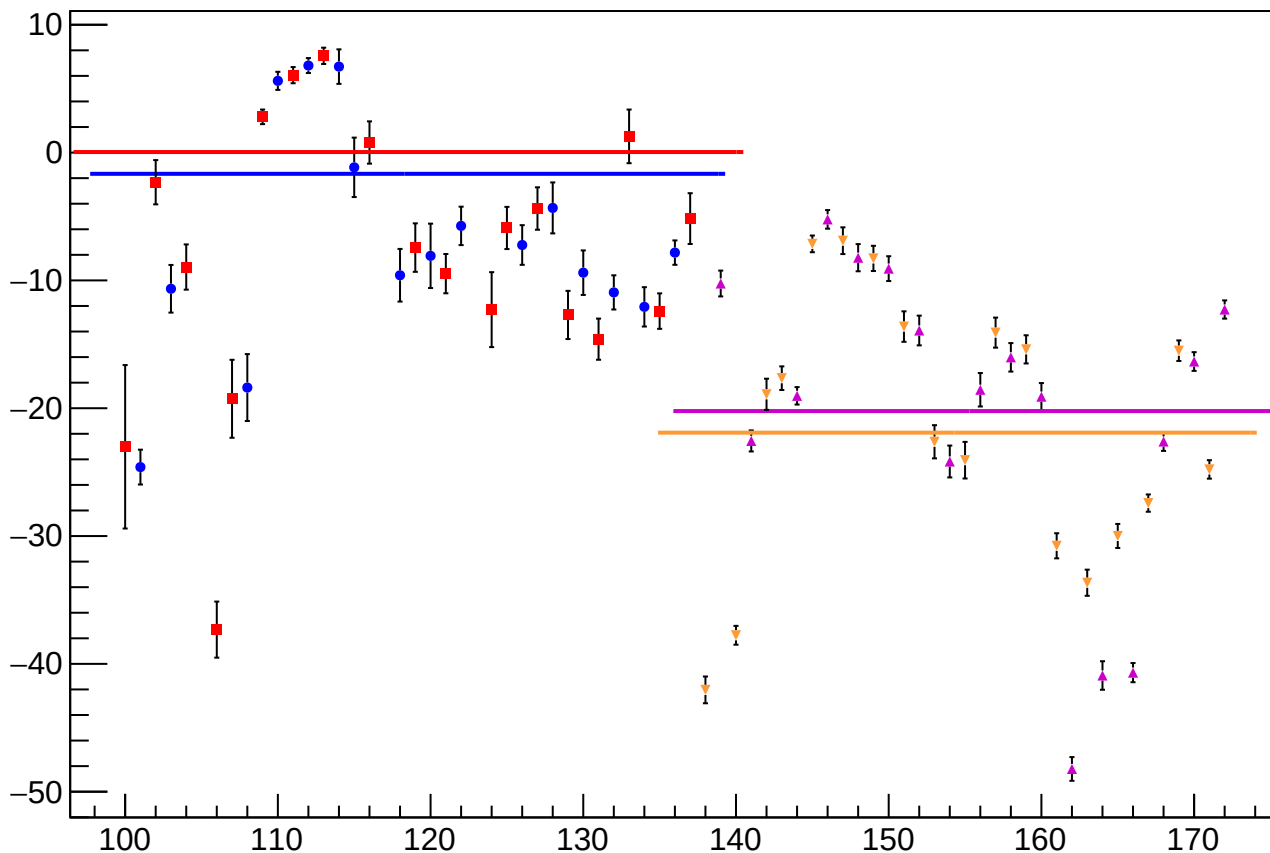
Left In: -0.064 ± 0.007 χ^2/NDF : 1859.8/16

+ sign -0.093 ± 0.006 χ^2/NDF : 1908.7/33

All: -0.094 ± 0.004 χ^2/NDF : 5246.5/69

- sign -0.096 ± 0.006 χ^2/NDF : 3337.7/35

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

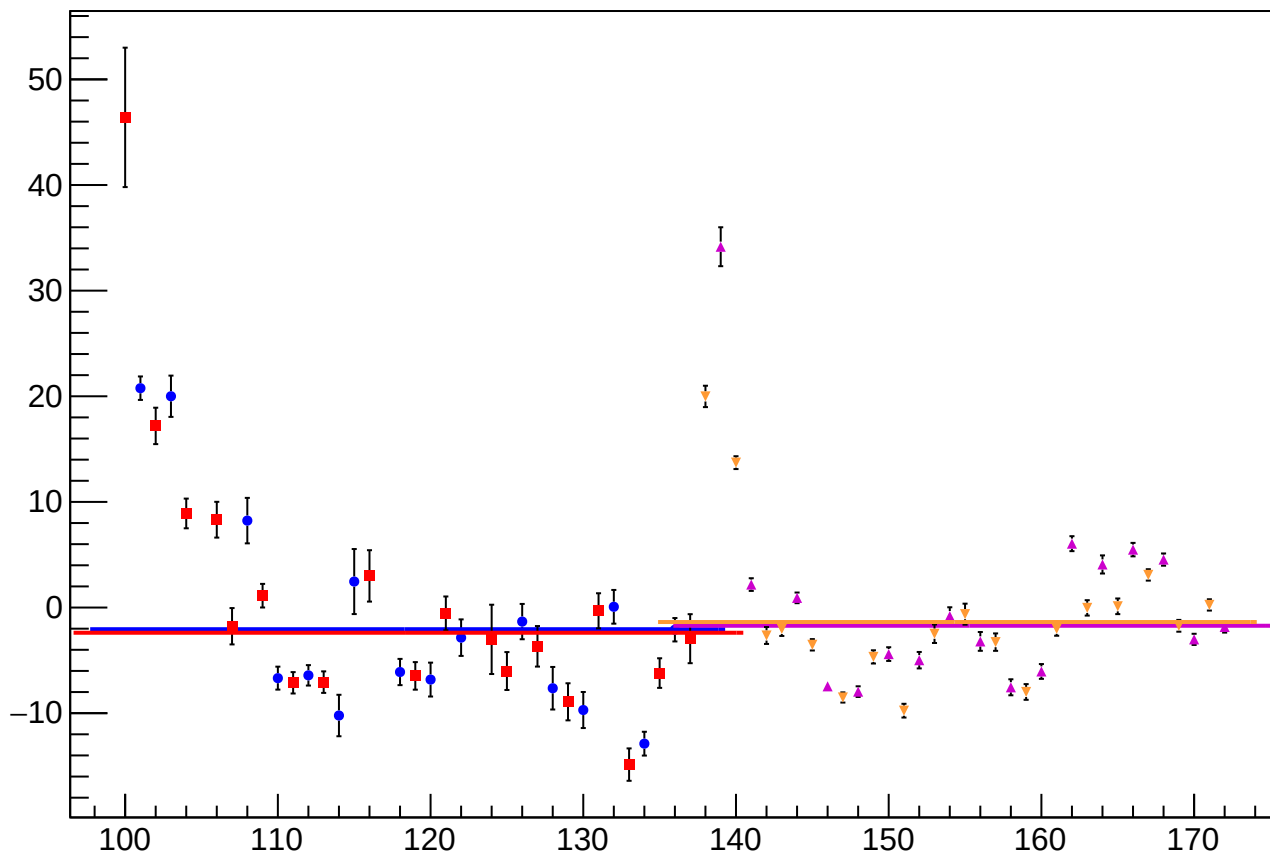
Left In: -20.222 ± 0.216 χ^2/NDF : 3011.9/16

+ sign -15.141 ± 0.178 χ^2/NDF : 6107.8/33

All: -13.896 ± 0.123 χ^2/NDF : 13405.3/69

- sign -12.745 ± 0.171 χ^2/NDF : 7203.5/35

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

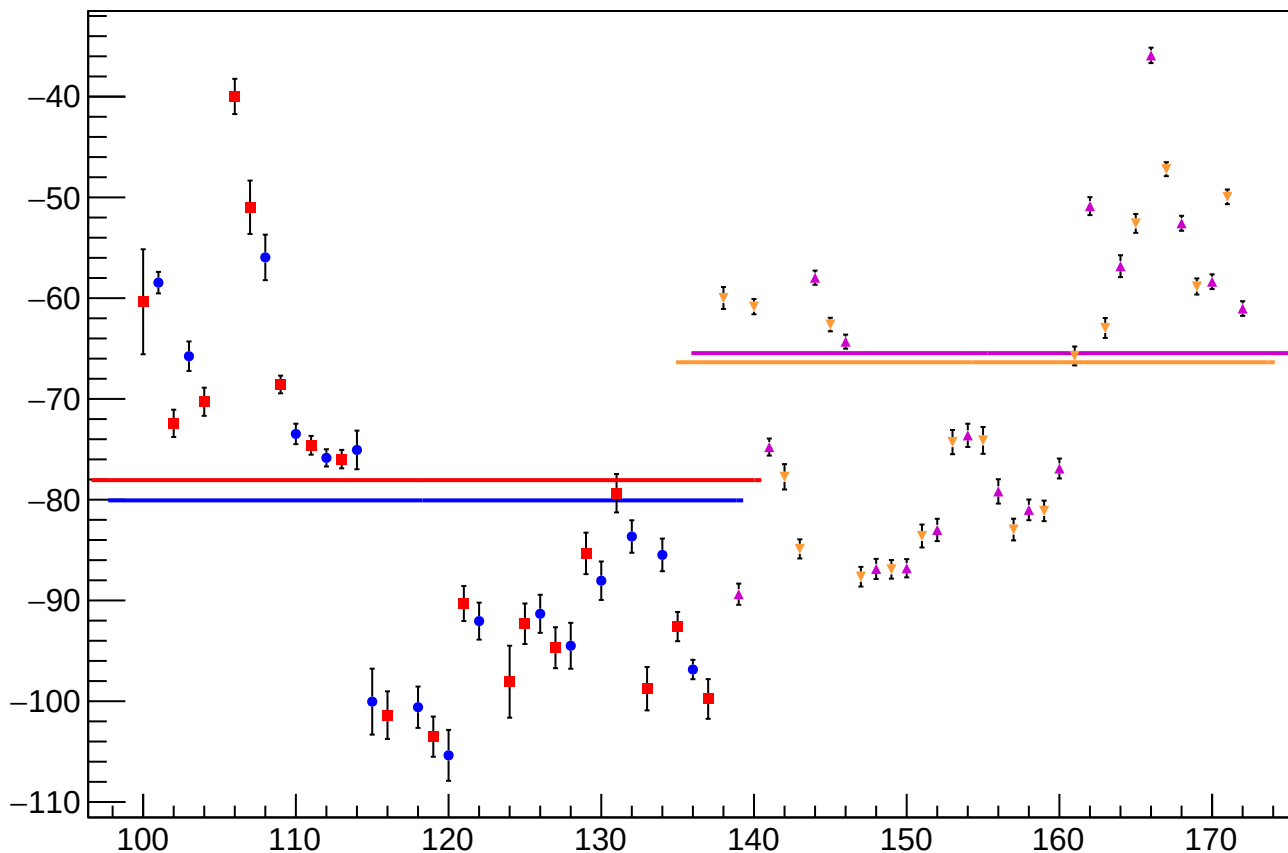
Left In: -1.723 ± 0.153 χ^2/NDF : 1331.2/16

+ sign -1.478 ± 0.142 χ^2/NDF : 2442.1/33

All: -1.654 ± 0.100 χ^2/NDF : 4230.2/69

- sign -1.827 ± 0.141 χ^2/NDF : 1785.0/35

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

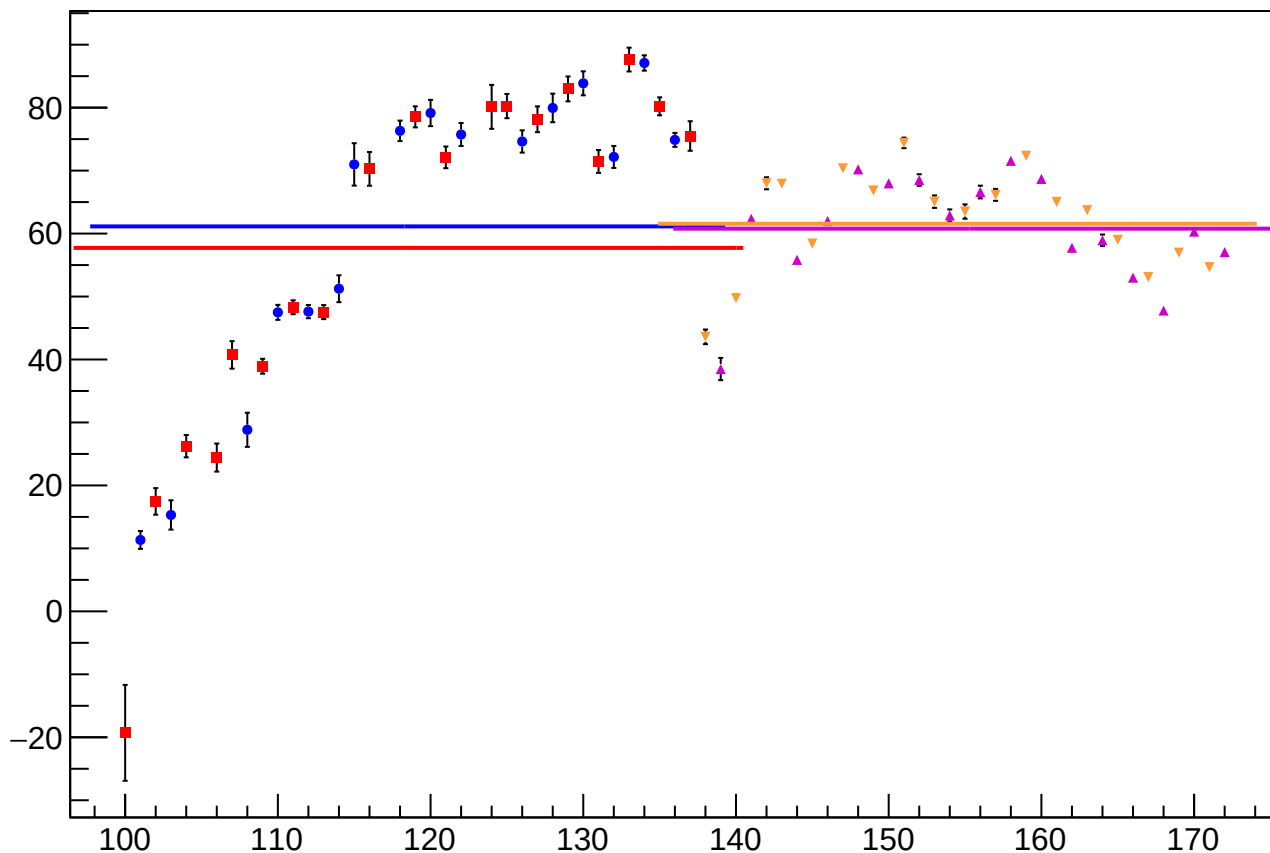
Left In: -65.456 ± 0.212 χ^2/NDF : 4819.4/16

+ sign -69.922 ± 0.186 χ^2/NDF : 6332.0/33

All: -69.348 ± 0.130 χ^2/NDF : 13665.3/69

- sign -68.797 ± 0.182 χ^2/NDF : 7314.6/35

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

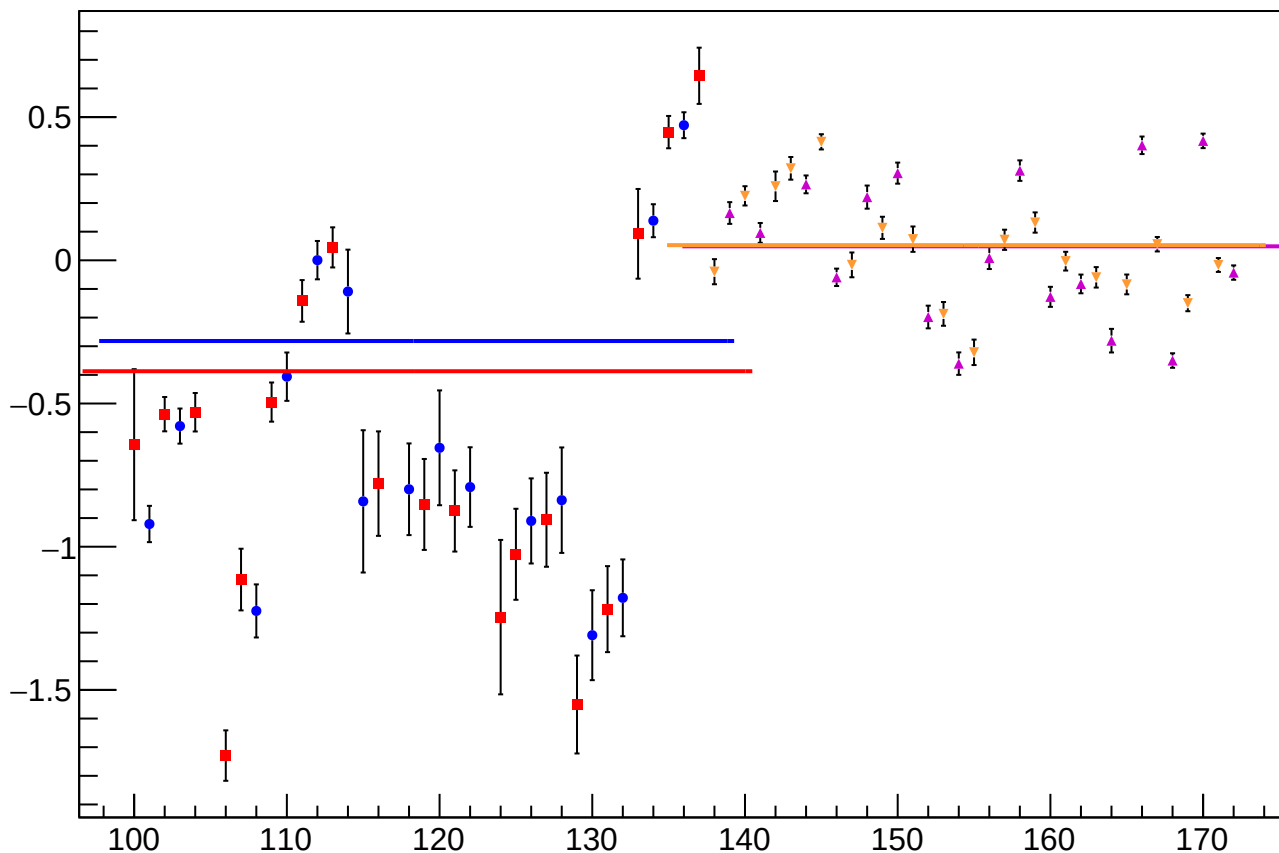
Left In: 60.780+/-0.176 χ^2 /NDF:1477.4/16

+ sign 61.492+/-0.163 χ^2 /NDF: 4995.6/33

All: 60.883+/-0.114 χ^2 /NDF: 9325.3/69

- sign 60.284+/-0.161 χ^2 /NDF: 4301.8/35

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

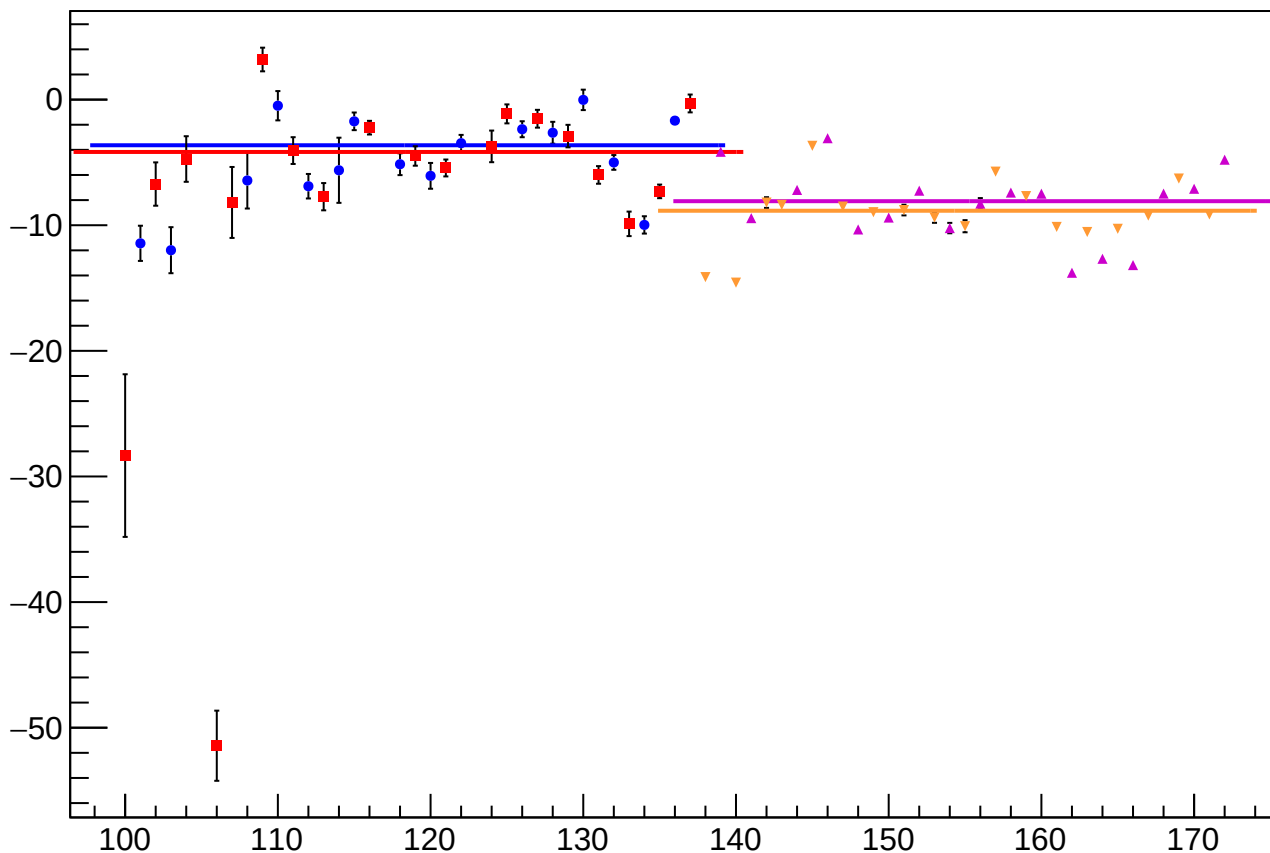
Left In: 0.049 ± 0.008 χ^2/NDF : 1052.0/16

+ sign 0.012 ± 0.008 χ^2/NDF : 1418.2/33

All: 0.005 ± 0.005 χ^2/NDF : 3641.0/69

- sign -0.002 ± 0.007 χ^2/NDF : 2221.0/35

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

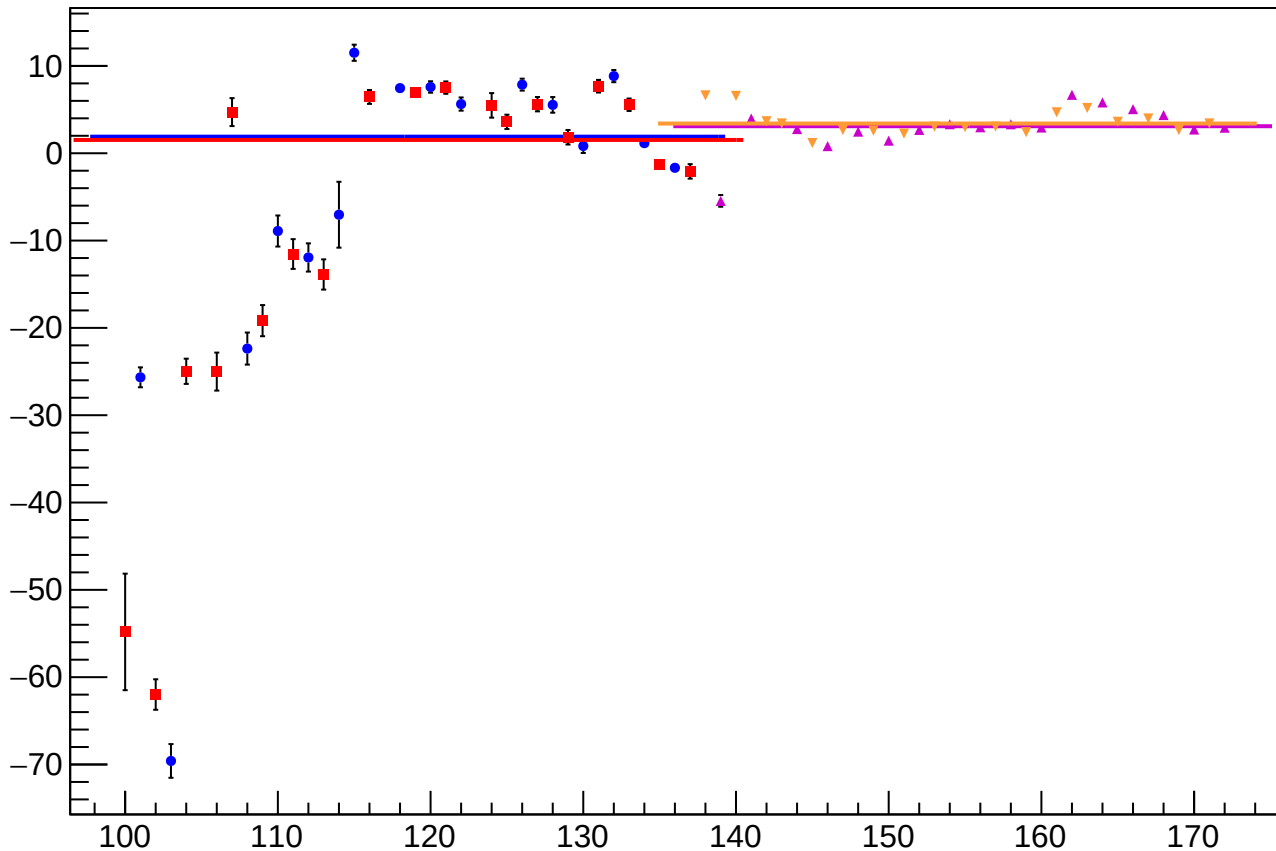
Left In: -8.086 ± 0.070 χ^2/NDF : 1994.0/16

+ sign -8.191 ± 0.067 χ^2/NDF : 2429.3/33

All: -7.920 ± 0.047 χ^2/NDF : 5329.1/69

- sign -7.655 ± 0.066 χ^2/NDF : 2867.4/35

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

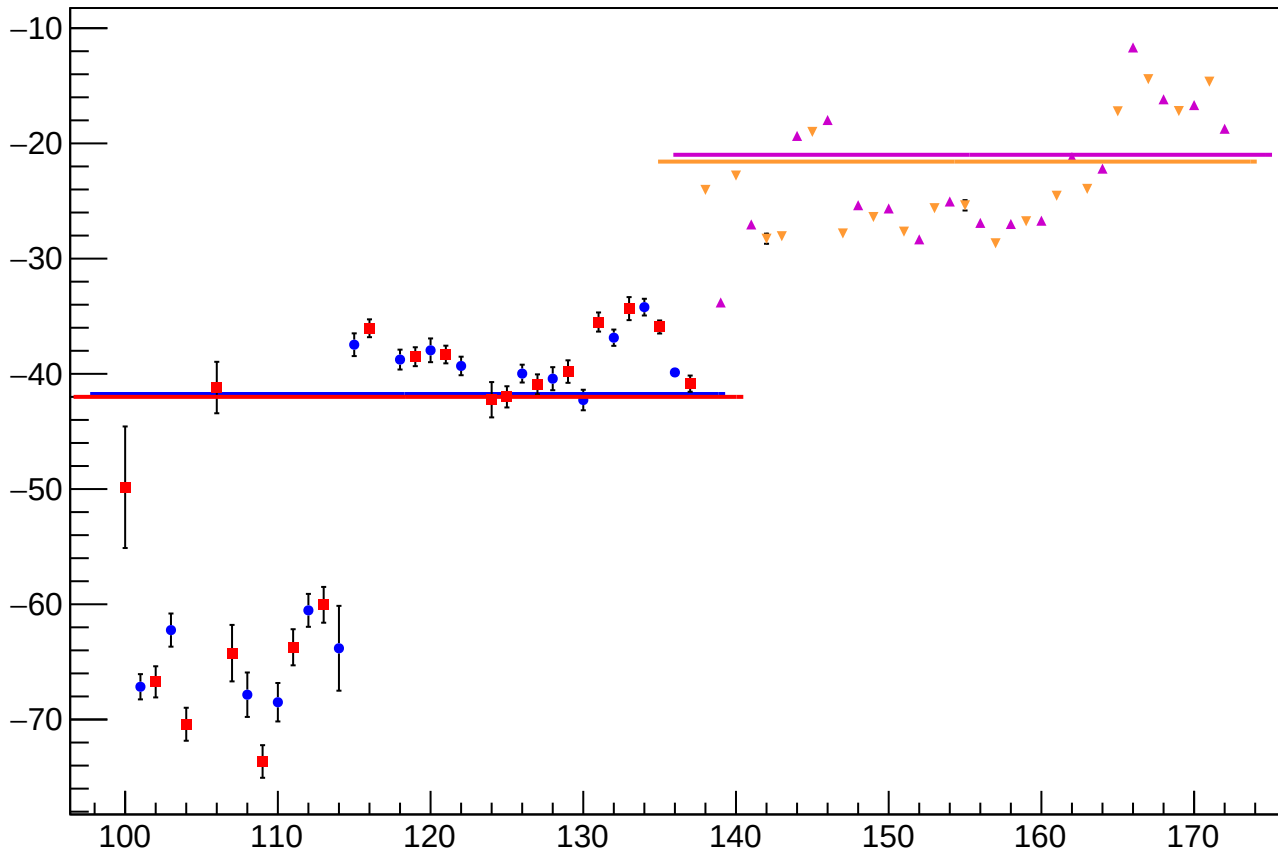
Left In: 3.096 ± 0.050 χ^2/NDF : 1051.0/16

+ sign 3.302 ± 0.049 χ^2/NDF : 3565.2/33

All: 3.154 ± 0.035 χ^2/NDF : 7247.5/69

- sign 3.011 ± 0.049 χ^2/NDF : 3664.7/35

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

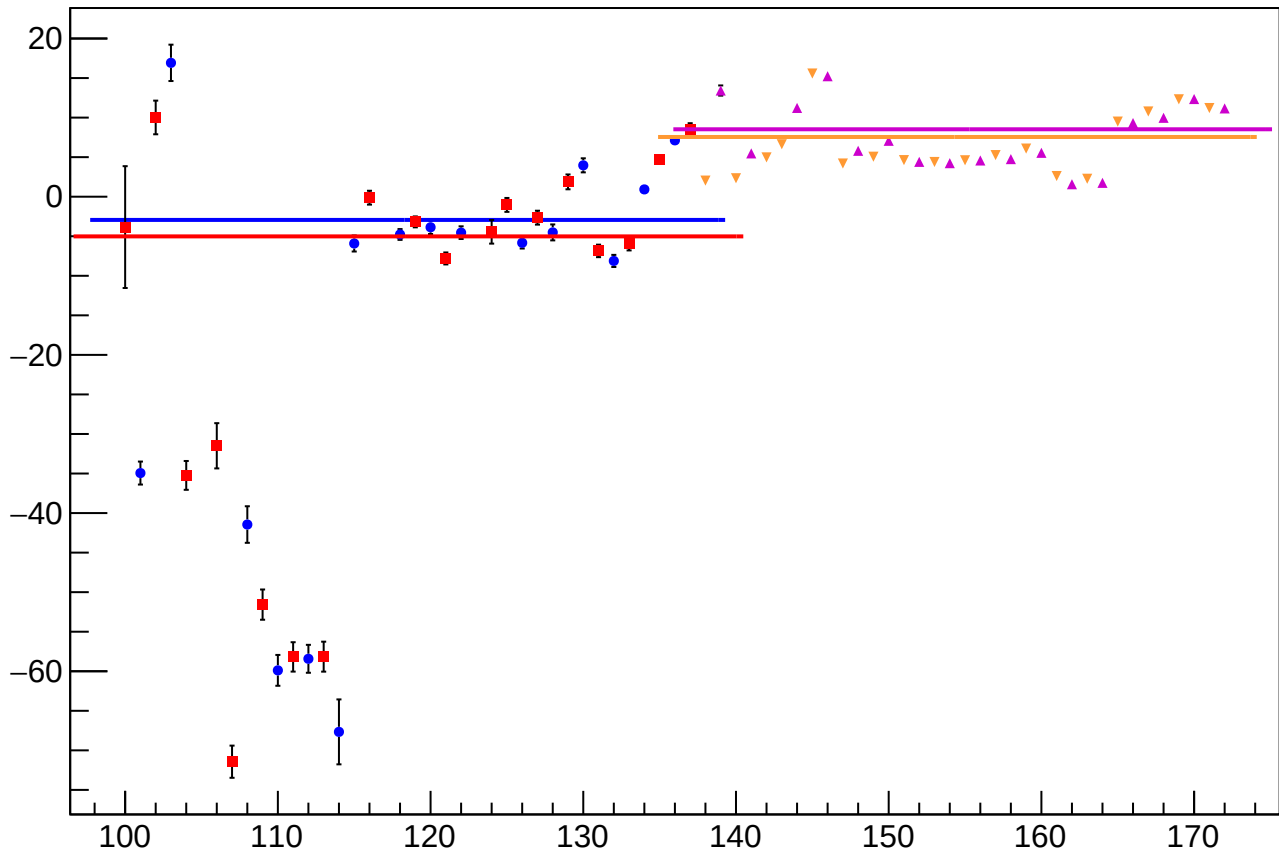
Left In: -20.988 ± 0.069 χ^2/NDF : 5882.9/16

+ sign -23.690 ± 0.067 χ^2/NDF : 15221.0/33

All: -23.213 ± 0.047 χ^2/NDF : 30949.8/69

- sign -22.751 ± 0.066 χ^2/NDF : 15629.6/35

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

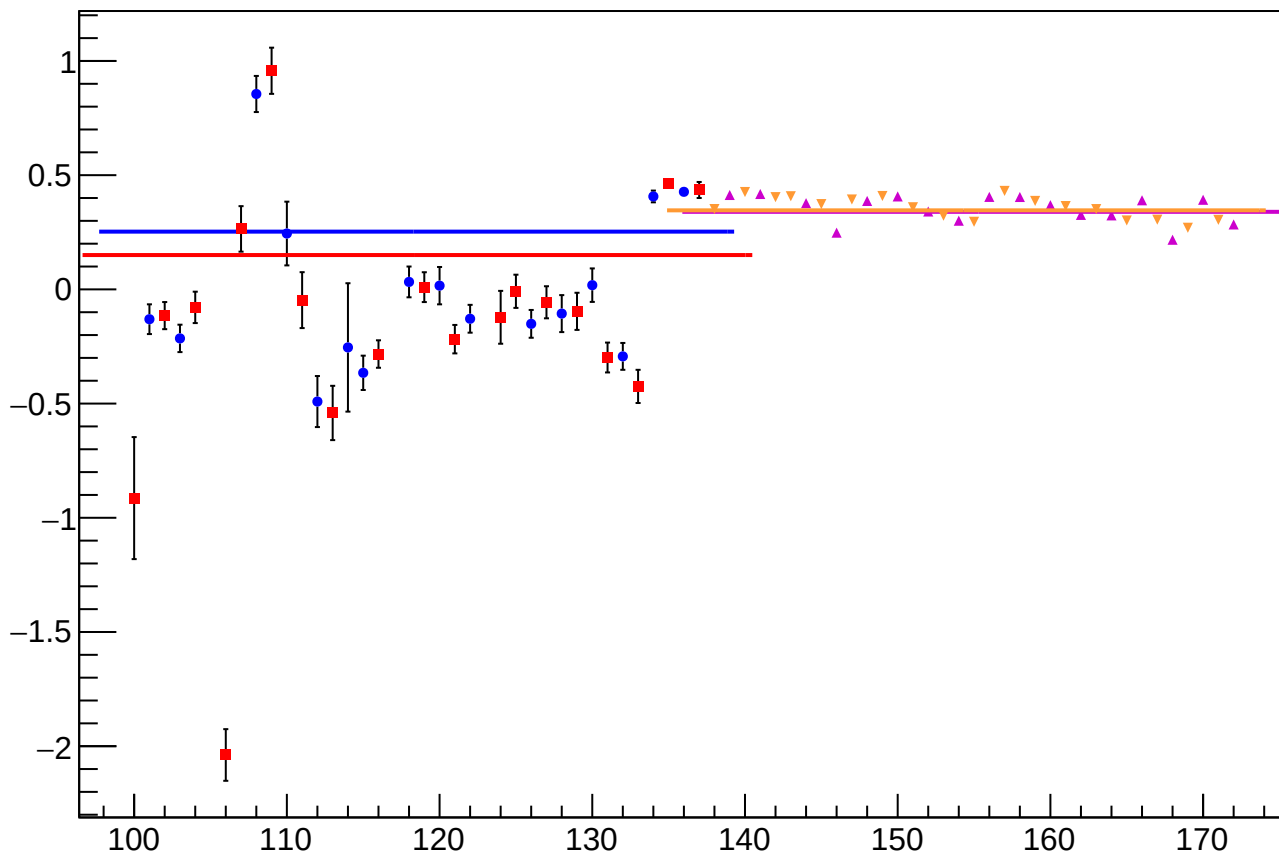
Left In: 8.525 ± 0.057 χ^2/NDF : 5113.5/16

+ sign 6.796 ± 0.056 χ^2/NDF : 11258.2/33

All: 7.278 ± 0.040 χ^2/NDF : 24111.3/69

- sign 7.747 ± 0.056 χ^2/NDF : 12708.2/35

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

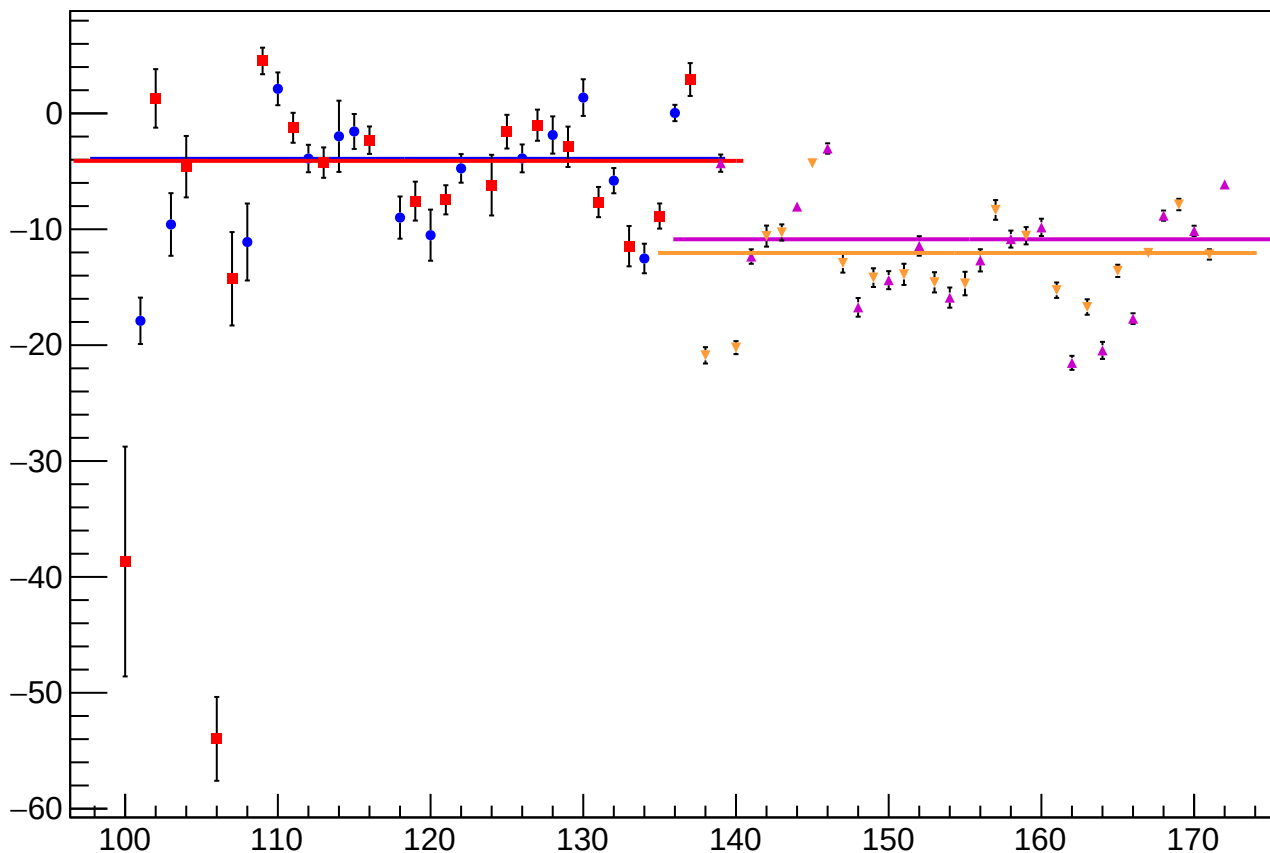
Left In: 0.339 ± 0.003 χ^2/NDF : 655.8/16

+ sign 0.341 ± 0.003 χ^2/NDF : 1042.0/33

All: 0.337 ± 0.002 χ^2/NDF : 2915.0/69

- sign 0.333 ± 0.003 χ^2/NDF : 1867.3/35

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

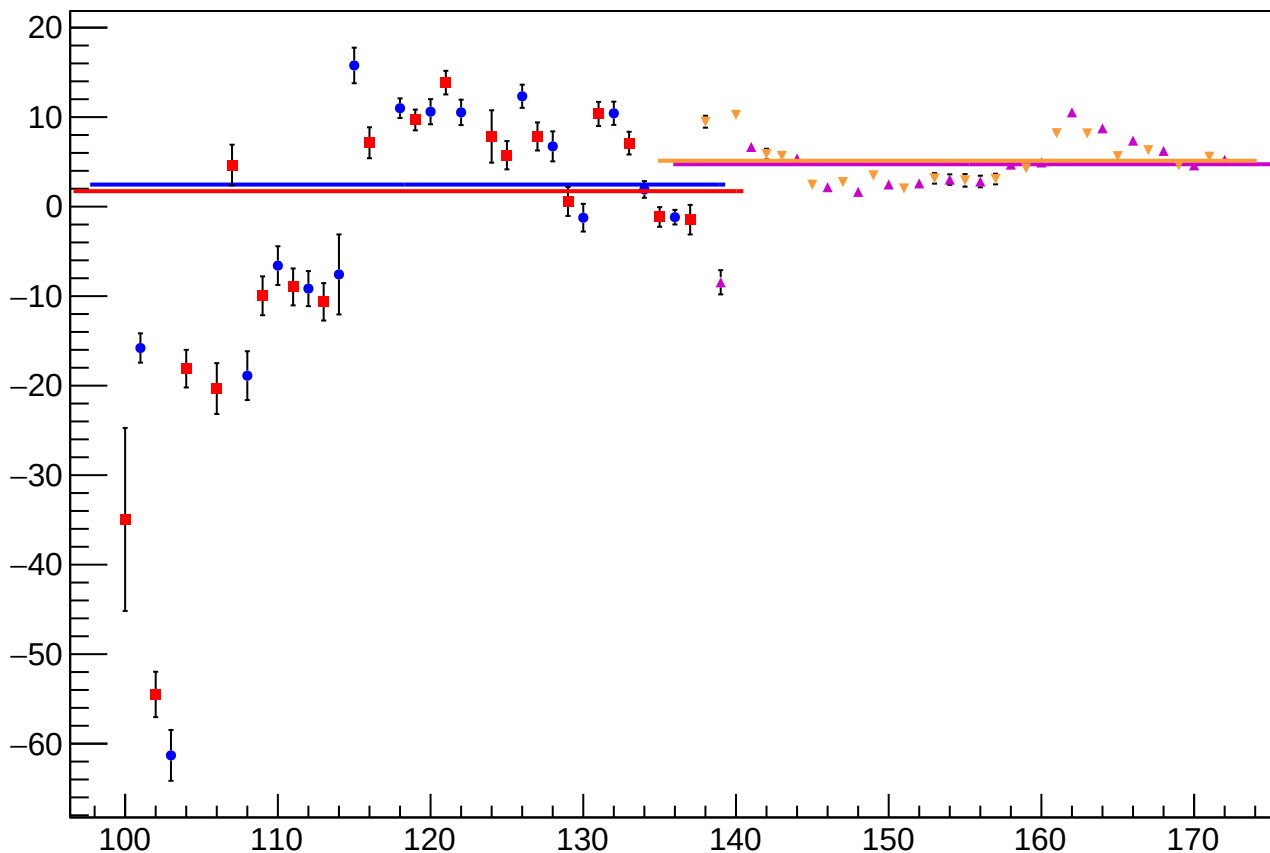
Left In: -10.864 ± 0.141 χ^2/NDF : 1389.2/16

+ sign -10.834 ± 0.134 χ^2/NDF : 1623.9/33

All: -10.384 ± 0.094 χ^2/NDF : 3713.4/69

- sign -9.948 ± 0.131 χ^2/NDF : 2067.1/35

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

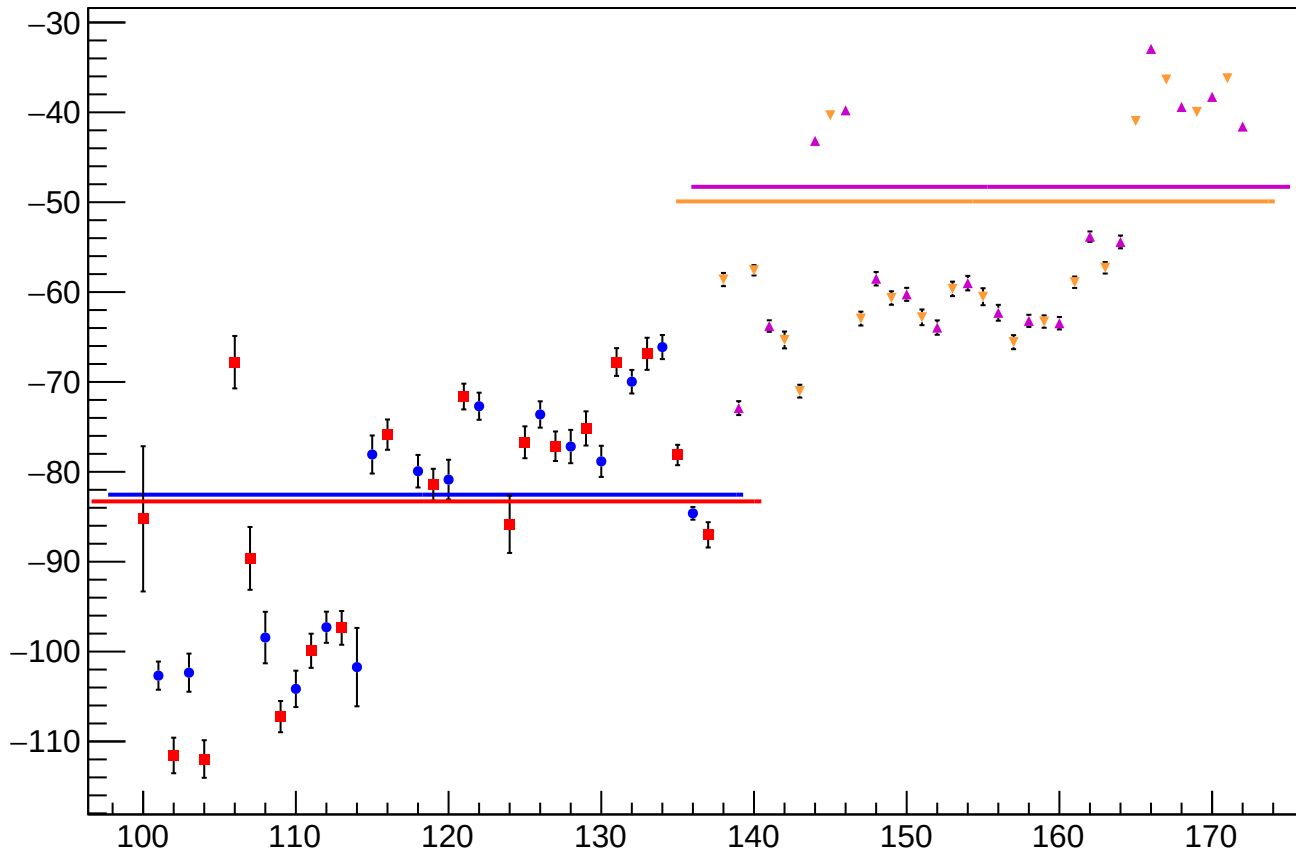
Left In: 4.733 ± 0.101 χ^2/NDF : 604.2/16

+ sign 4.920 ± 0.100 χ^2/NDF : 1569.1/33

All: 4.727 ± 0.070 χ^2/NDF : 3220.5/69

- sign 4.542 ± 0.097 χ^2/NDF : 1644.0/35

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

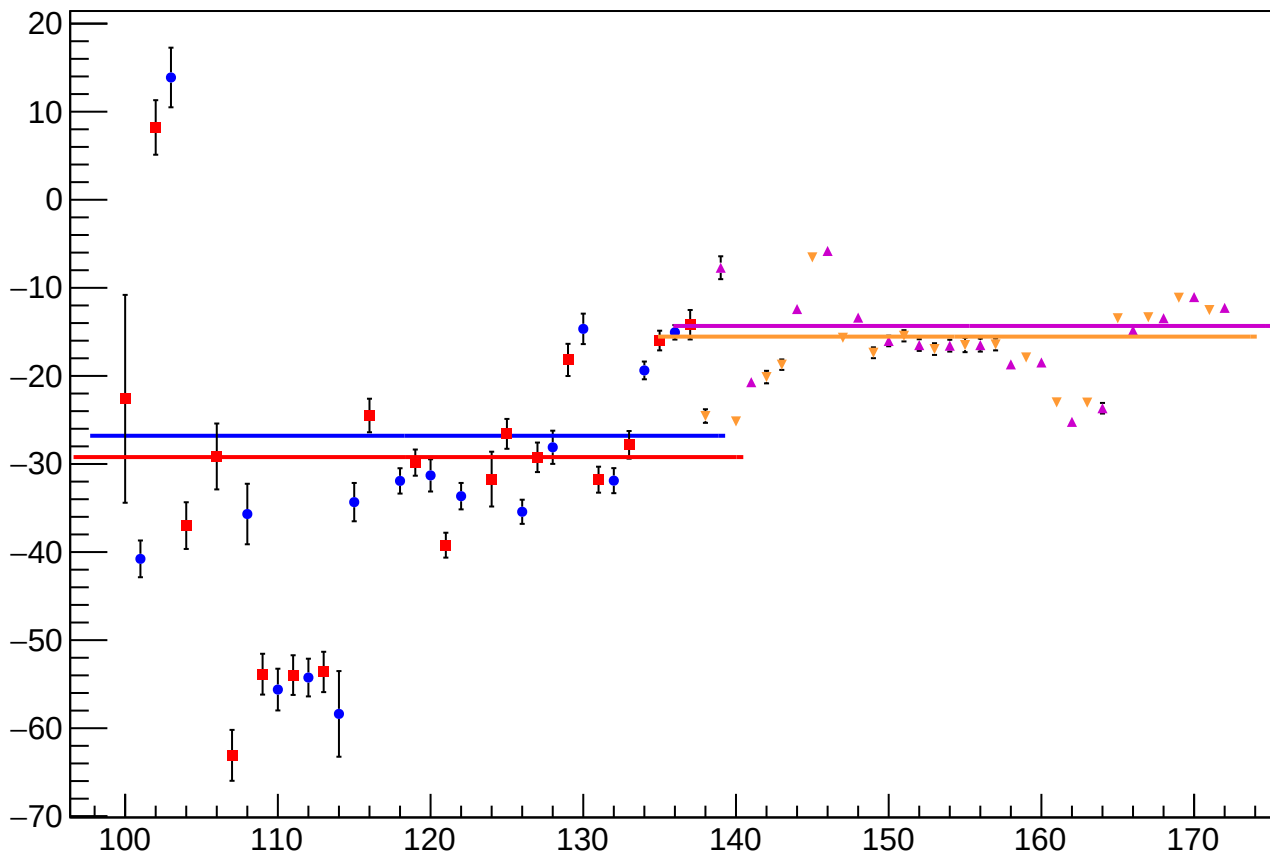
Left In: -48.288 ± 0.139 χ^2/NDF : 6709.8/16

+ sign -53.913 ± 0.135 χ^2/NDF : 13932.9/33

All: -52.863 ± 0.094 χ^2/NDF : 28267.5/69

- sign -51.850 ± 0.132 χ^2/NDF : 14215.0/35

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.796 ± 0.396 $\chi^2/\text{NDF}: 963.5/15$

Left Out: -15.538 ± 0.118 $\chi^2/\text{NDF}: 1879.5/17$

Right Out: -29.216 ± 0.431 $\chi^2/\text{NDF}: 960.7/18$

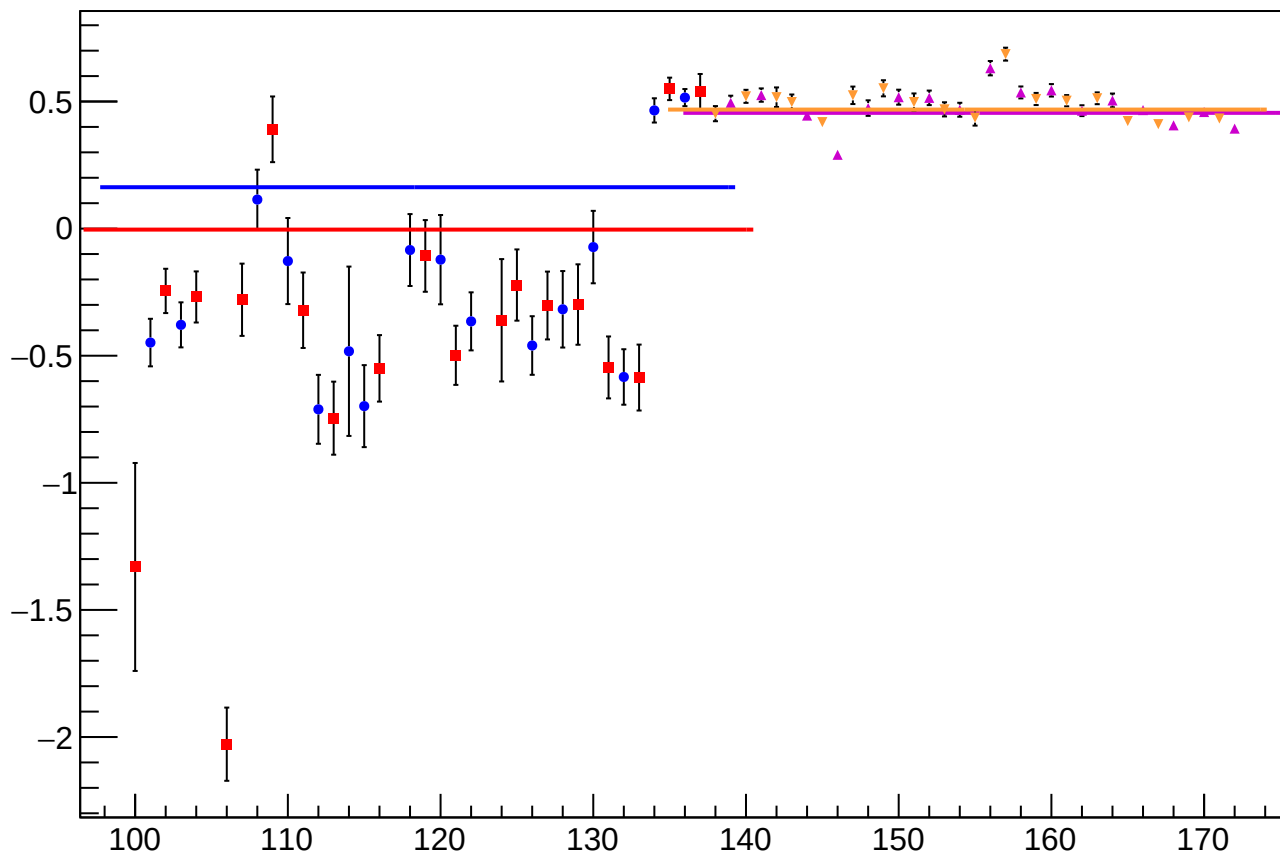
Left In: -14.327 ± 0.115 $\chi^2/\text{NDF}: 1904.2/16$

+ sign -16.464 ± 0.113 $\chi^2/\text{NDF}: 3586.3/33$

All: -15.882 ± 0.079 $\chi^2/\text{NDF}: 7615.8/69$

- sign -15.321 ± 0.111 $\chi^2/\text{NDF}: 3978.0/35$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.163 ± 0.021 χ^2/NDF : 422.6/15

Left Out: 0.468 ± 0.005 χ^2/NDF : 138.2/17

Right Out: -0.004 ± 0.024 χ^2/NDF : 573.3/18

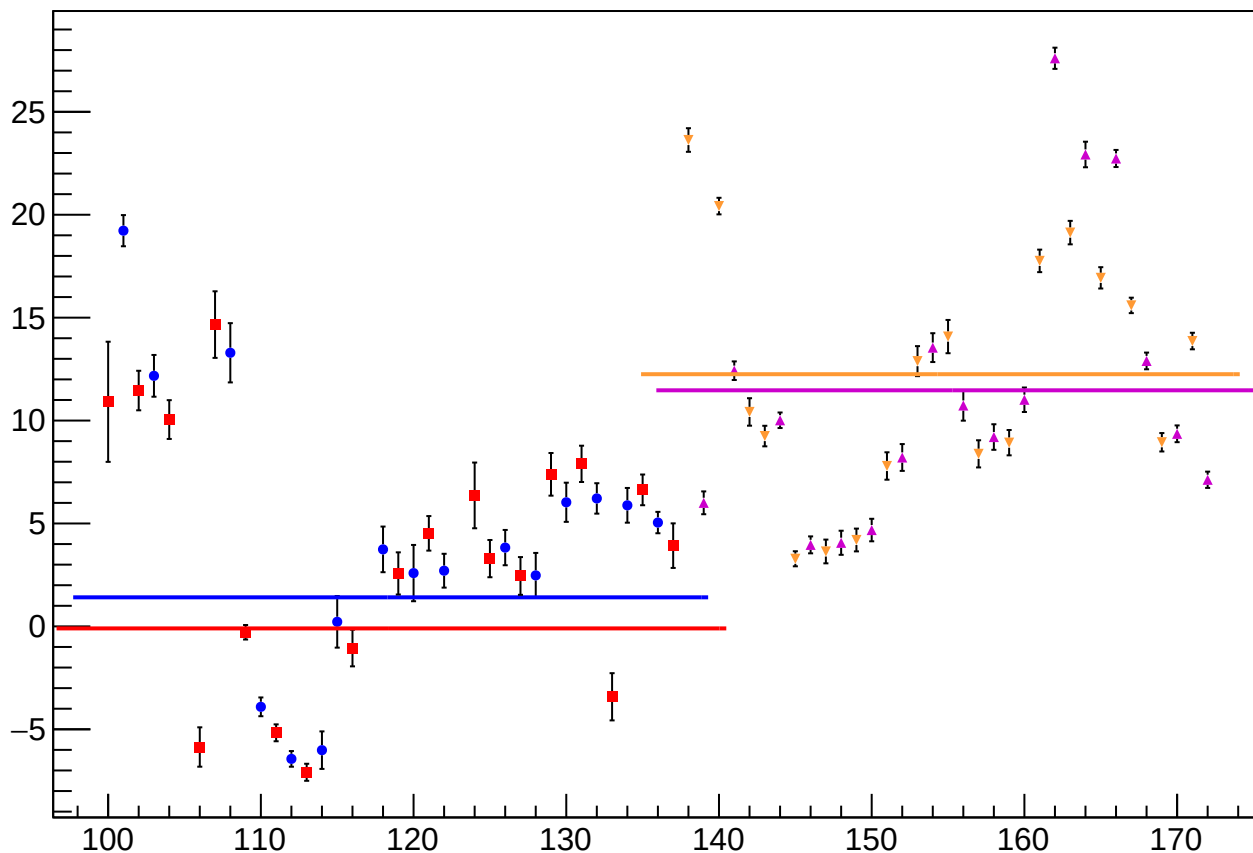
Left In: 0.455 ± 0.005 χ^2/NDF : 190.1/16

+ sign 0.450 ± 0.005 χ^2/NDF : 752.5/33

All: 0.443 ± 0.004 χ^2/NDF : 1858.9/69

- sign 0.435 ± 0.005 χ^2/NDF : 1102.1/35

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.183 $\chi^2/\text{NDF}: 1522.1/15$

Left Out: 12.253 ± 0.121 $\chi^2/\text{NDF}: 2478.0/17$

Right Out: -0.098 ± 0.167 $\chi^2/\text{NDF}: 1147.2/18$

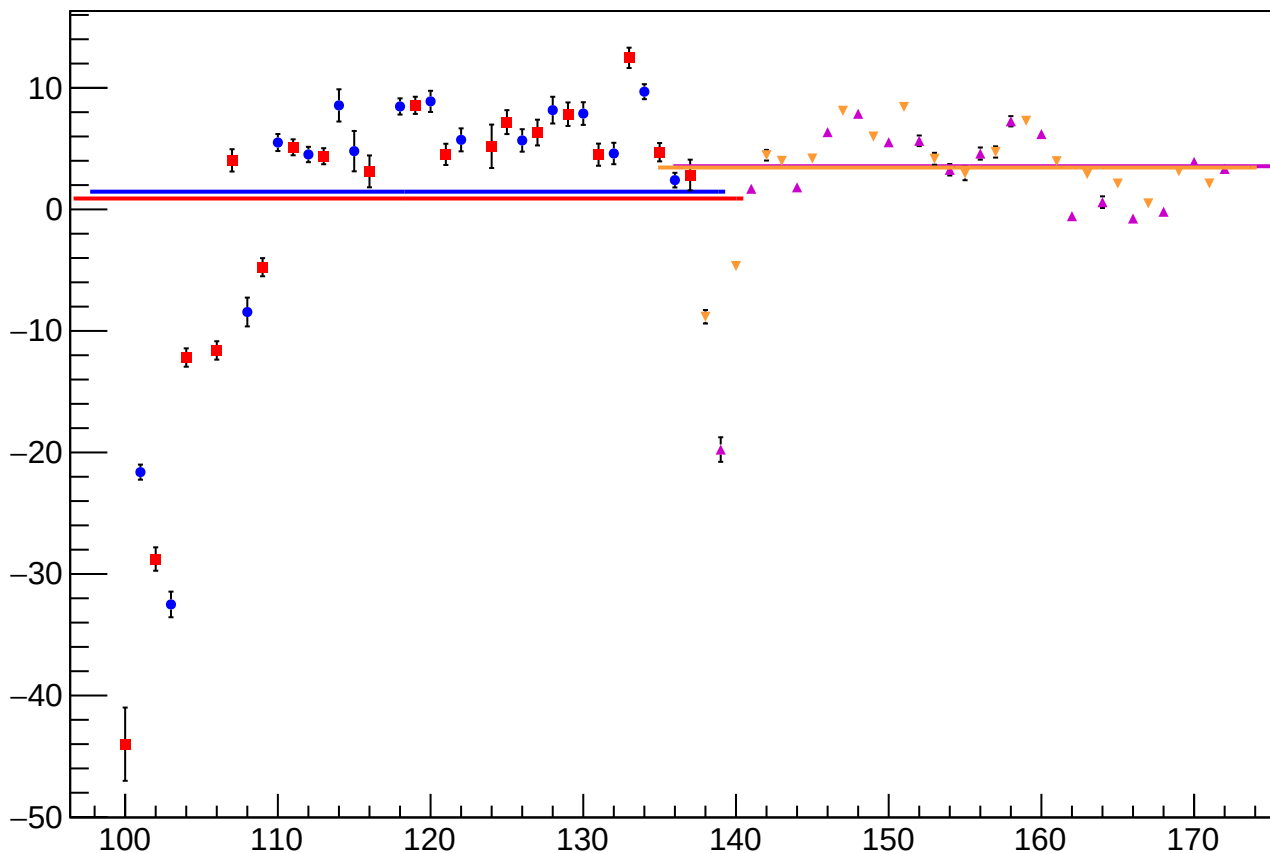
Left In: 11.470 ± 0.120 $\chi^2/\text{NDF}: 3030.2/16$

+ sign 8.955 ± 0.101 $\chi^2/\text{NDF}: 6439.4/33$

All: 8.228 ± 0.070 $\chi^2/\text{NDF}: 13874.9/69$

- sign 7.551 ± 0.097 $\chi^2/\text{NDF}: 7335.3/35$

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

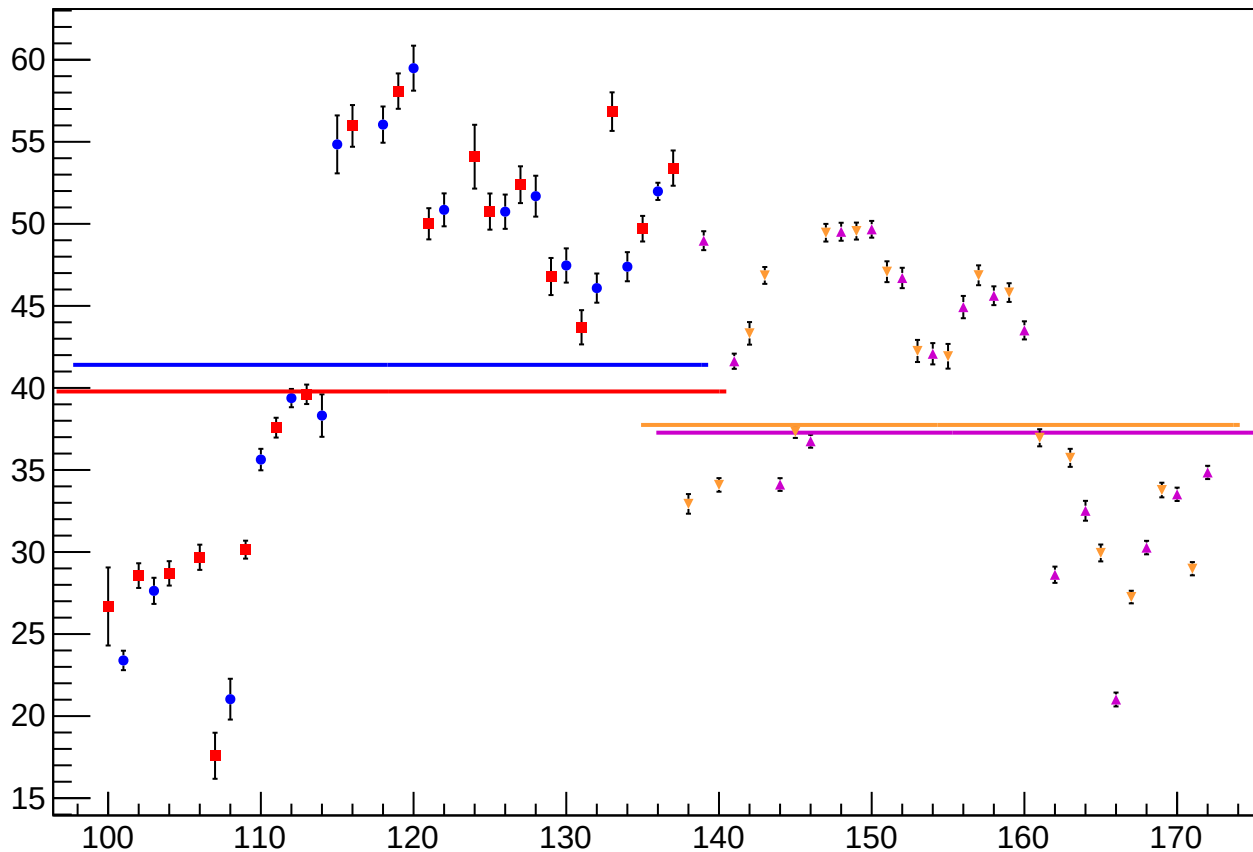
Left In: 3.552 ± 0.085 χ^2/NDF : 1594.2/16

+ sign 3.147 ± 0.079 χ^2/NDF : 5038.2/33

All: 3.150 ± 0.056 χ^2/NDF : 9156.3/69

- sign 3.153 ± 0.078 χ^2/NDF : 4118.1/35

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.407 ± 0.211 $\chi^2/\text{NDF}: 2746.0/15$

Left Out: 37.745 ± 0.120 $\chi^2/\text{NDF}: 3777.8/17$

Right Out: 39.784 ± 0.203 $\chi^2/\text{NDF}: 2653.8/18$

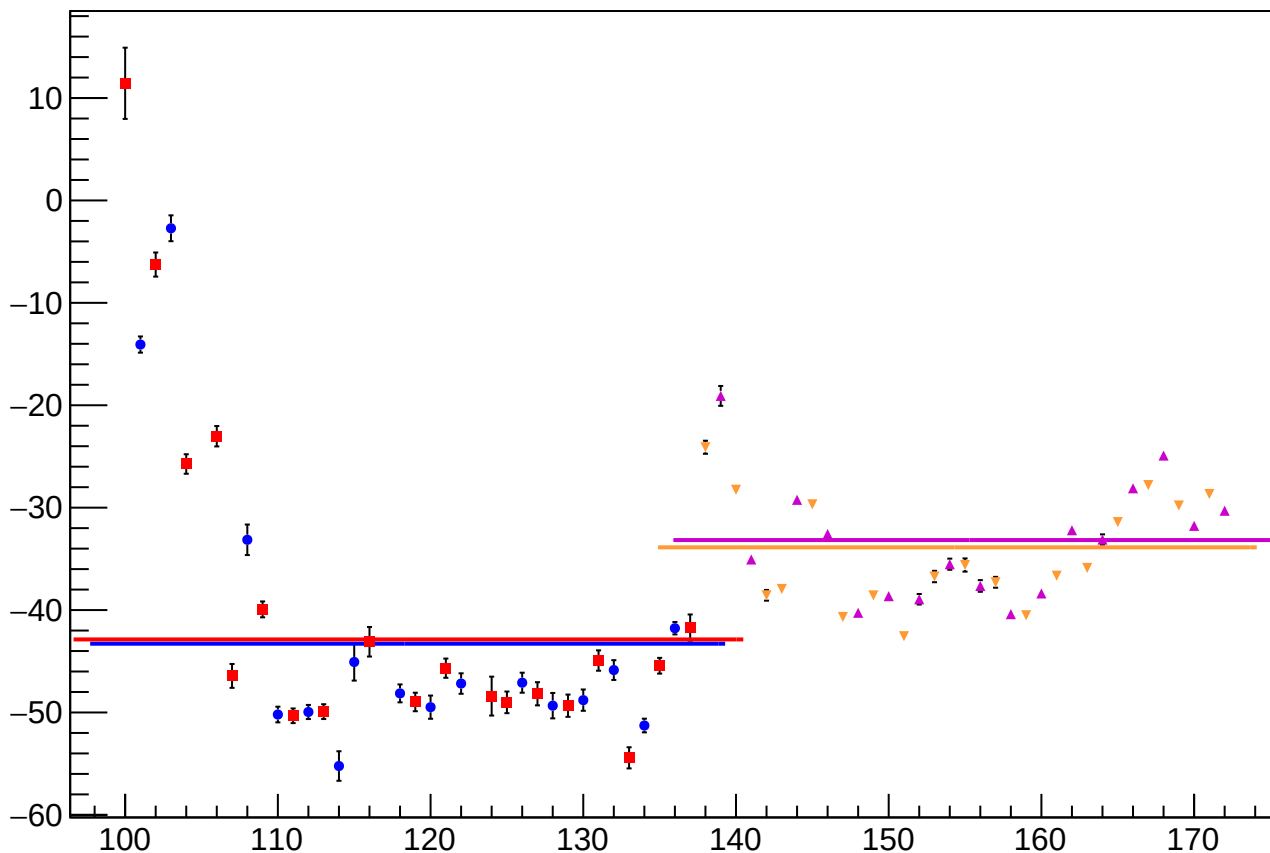
Left In: 37.273 ± 0.118 $\chi^2/\text{NDF}: 4661.5/16$

+ sign 38.640 ± 0.104 $\chi^2/\text{NDF}: 6752.2/33$

All: 38.267 ± 0.073 $\chi^2/\text{NDF}: 14207.1/69$

- sign 37.909 ± 0.102 $\chi^2/\text{NDF}: 7429.7/35$

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.285 ± 0.229 $\chi^2/\text{NDF}: 2985.2/15$

Left Out: -33.874 ± 0.099 $\chi^2/\text{NDF}: 2713.8/17$

Right Out: -42.867 ± 0.229 $\chi^2/\text{NDF}: 2454.2/18$

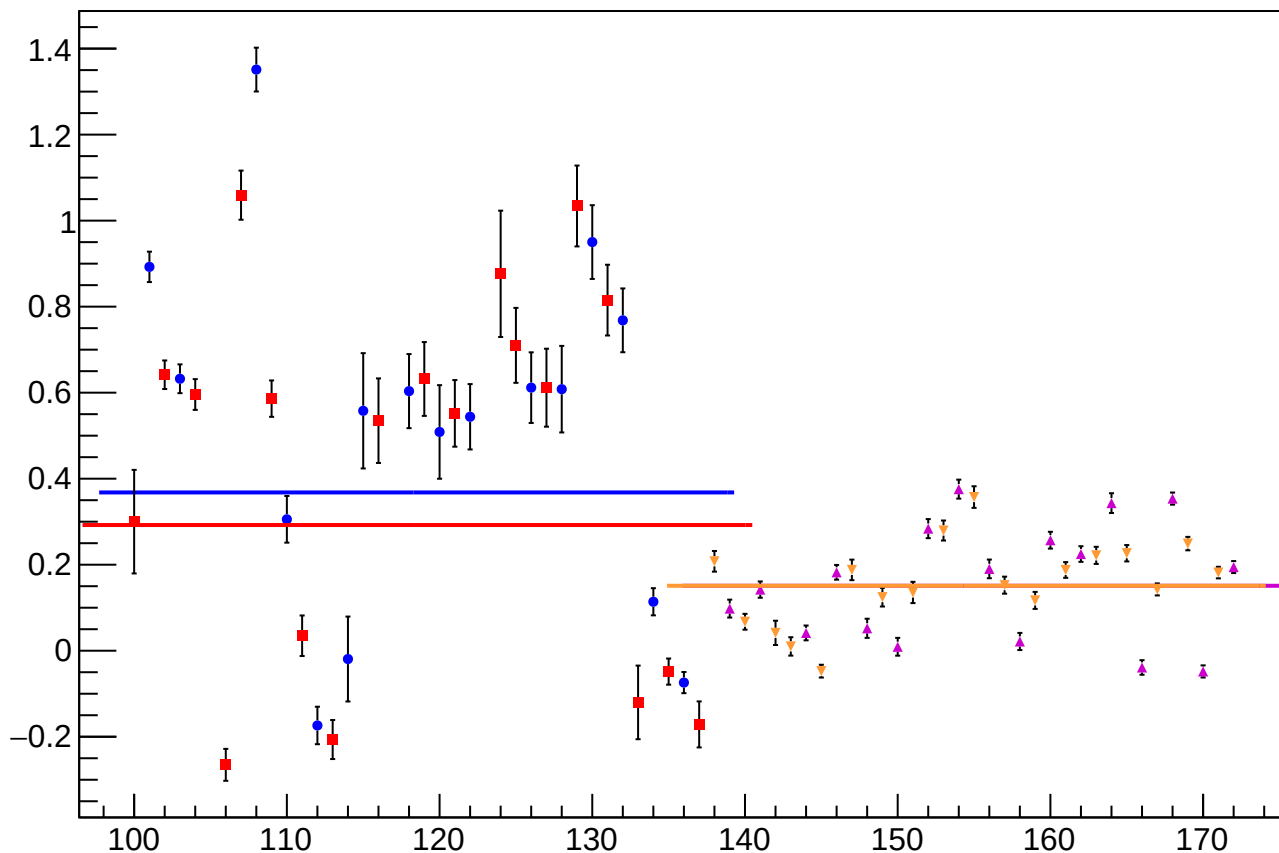
Left In: -33.163 ± 0.098 $\chi^2/\text{NDF}: 2285.1/16$

+ sign -35.345 ± 0.091 $\chi^2/\text{NDF}: 7119.9/33$

All: -35.001 ± 0.064 $\chi^2/\text{NDF}: 13405.7/69$

- sign -34.662 ± 0.090 $\chi^2/\text{NDF}: 6257.3/35$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368 $\pm$ 0.012 χ^2 /NDF: 1320.9/15

Left Out: 0.151 $\pm$ 0.004 χ^2 /NDF: 445.0/17

Right Out: 0.292 $\pm$ 0.012 χ^2 /NDF: 1199.2/18

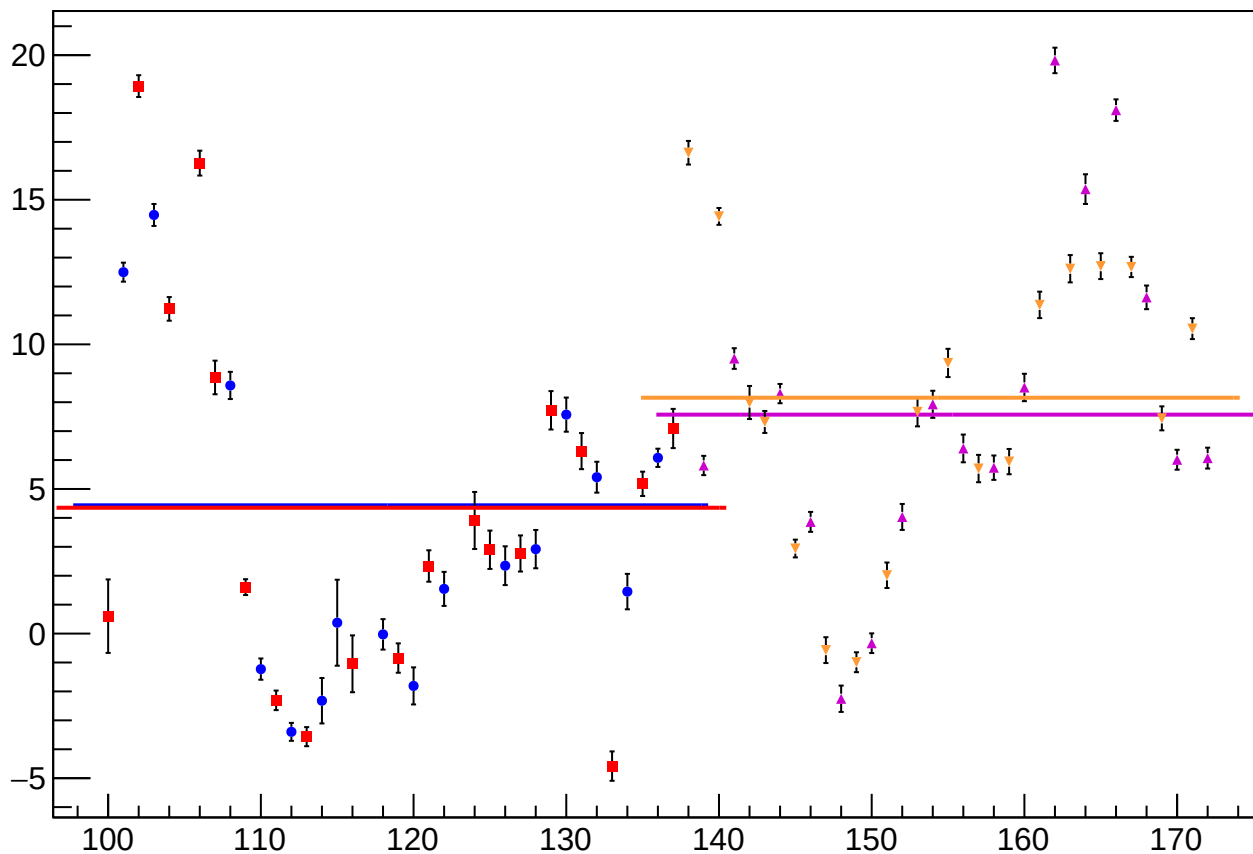
Left In: 0.151 $\pm$ 0.004 χ^2 /NDF: 961.2/16

+ sign 0.177 $\pm$ 0.004 χ^2 /NDF: 2044.5/33

All: 0.172 $\pm$ 0.003 χ^2 /NDF: 4327.5/69

- sign 0.168 $\pm$ 0.004 χ^2 /NDF: 2280.6/35

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.435 $\pm$ 0.117 χ^2 /NDF: 2622.0/15

Left Out: 8.155 $\pm$ 0.095 χ^2 /NDF:2982.4/17

Right Out: 4.351 $\pm$ 0.109 χ^2 /NDF: 4205.3/18

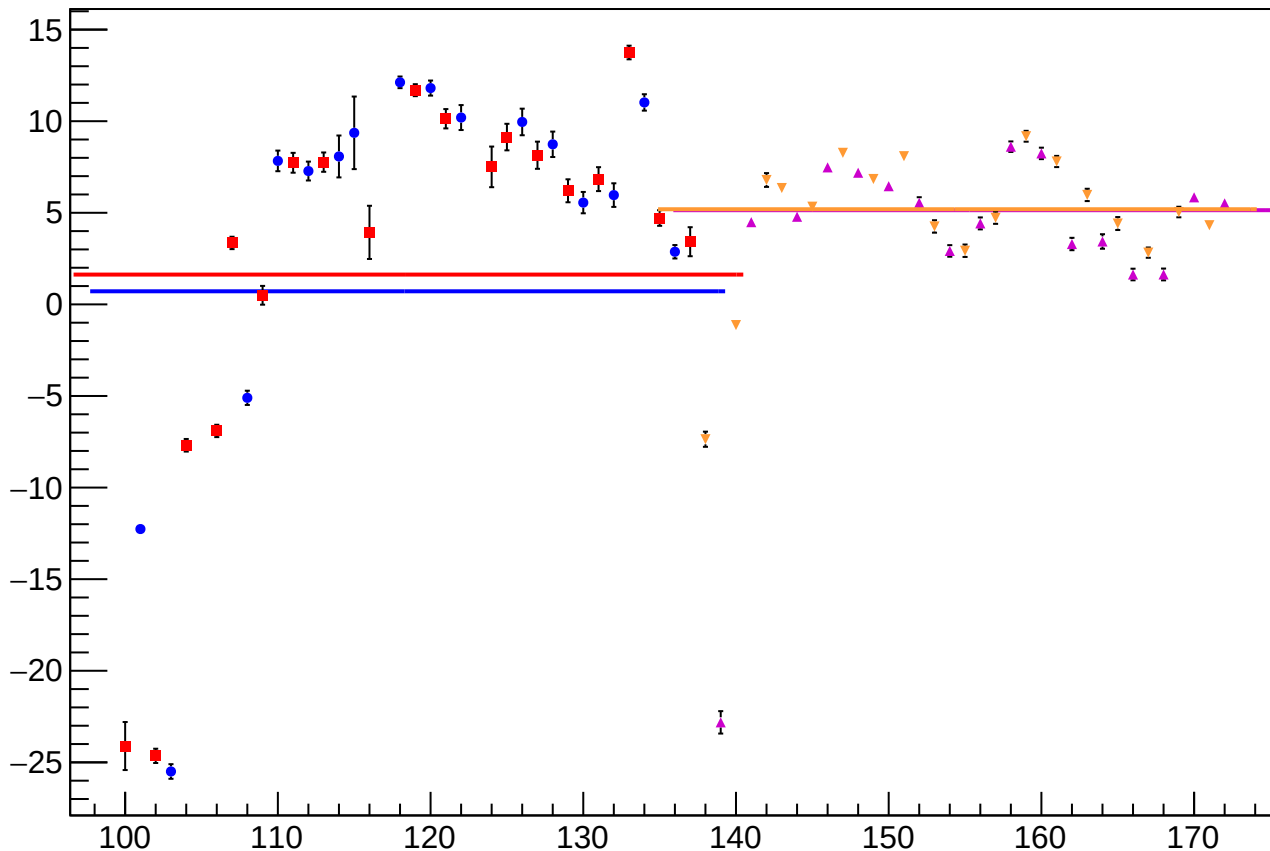
Left In: 7.570 $\pm$ 0.095 χ^2 /NDF:3213.2/16

+ sign 6.675 $\pm$ 0.074 χ^2 /NDF: 6213.7/33

All: 6.419 $\pm$ 0.051 χ^2 /NDF: 14149.3/69

- sign 6.176 $\pm$ 0.072 χ^2 /NDF: 7912.1/35

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

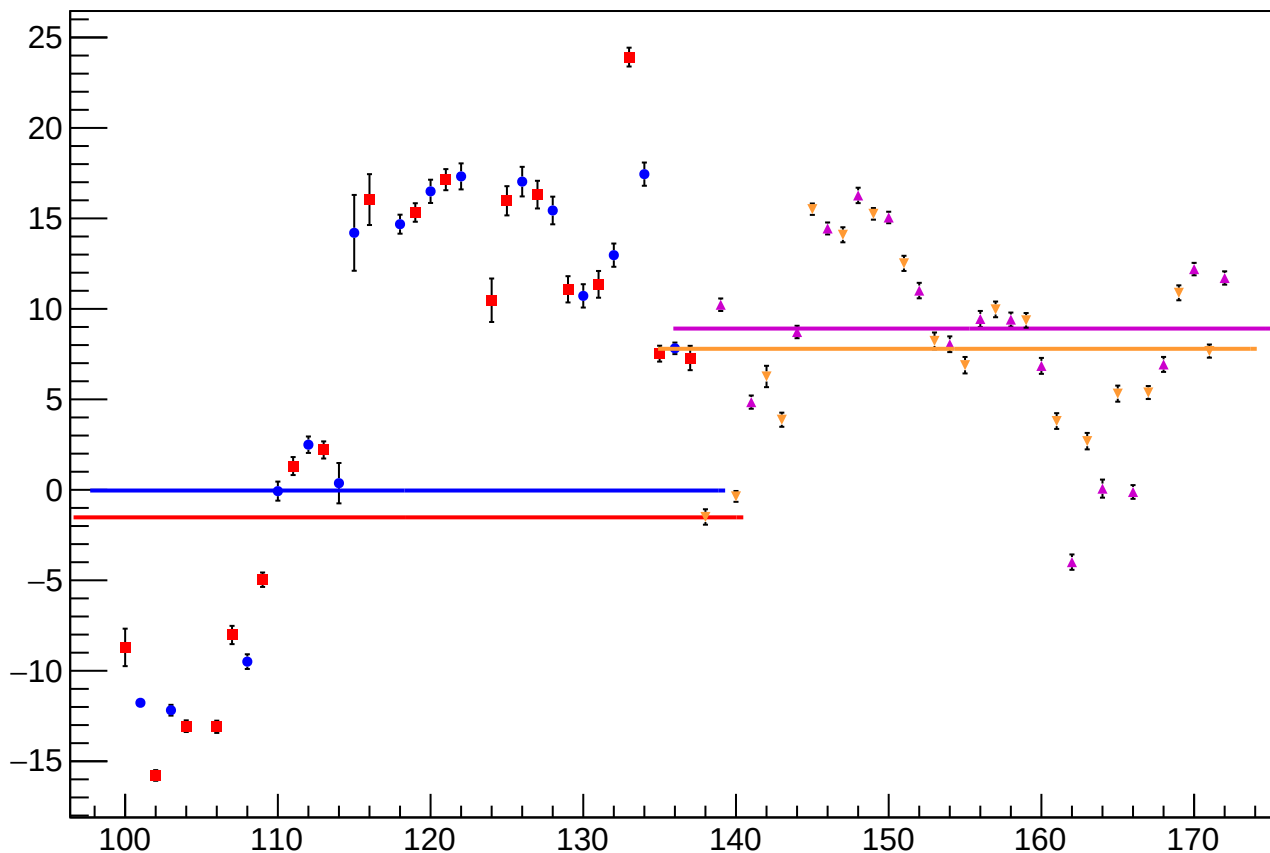
Left In: 5.142 ± 0.069 χ^2/NDF : 2938.2/16

+ sign 4.069 ± 0.058 χ^2/NDF : 14007.8/33

All: 4.120 ± 0.041 χ^2/NDF : 26928.7/69

- sign 4.172 ± 0.058 χ^2/NDF : 12919.4/35

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

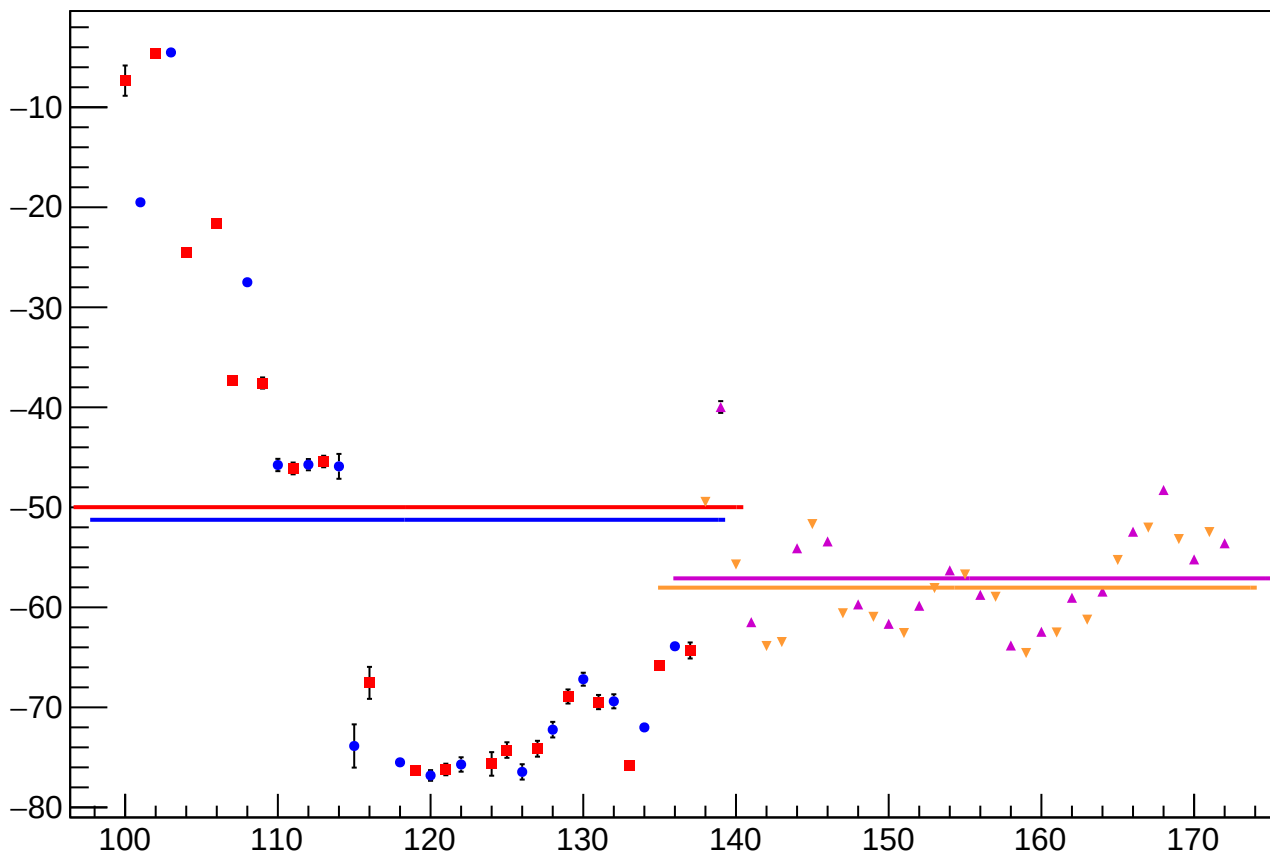
Left In: 8.912 ± 0.093 χ^2/NDF : 3117.8/16

+ sign 4.817 ± 0.074 χ^2/NDF : 15145.9/33

All: 4.792 ± 0.052 χ^2/NDF : 35348.0/69

- sign 4.768 ± 0.073 χ^2/NDF : 20201.9/35

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.246 $\pm$ 0.136 χ^2 /NDF: 33765.2/15

Left Out: -58.030 $\pm$ 0.078 χ^2 /NDF:3476.2/17

Right Out: -49.983 $\pm$ 0.131 χ^2 /NDF: 33892.5/18

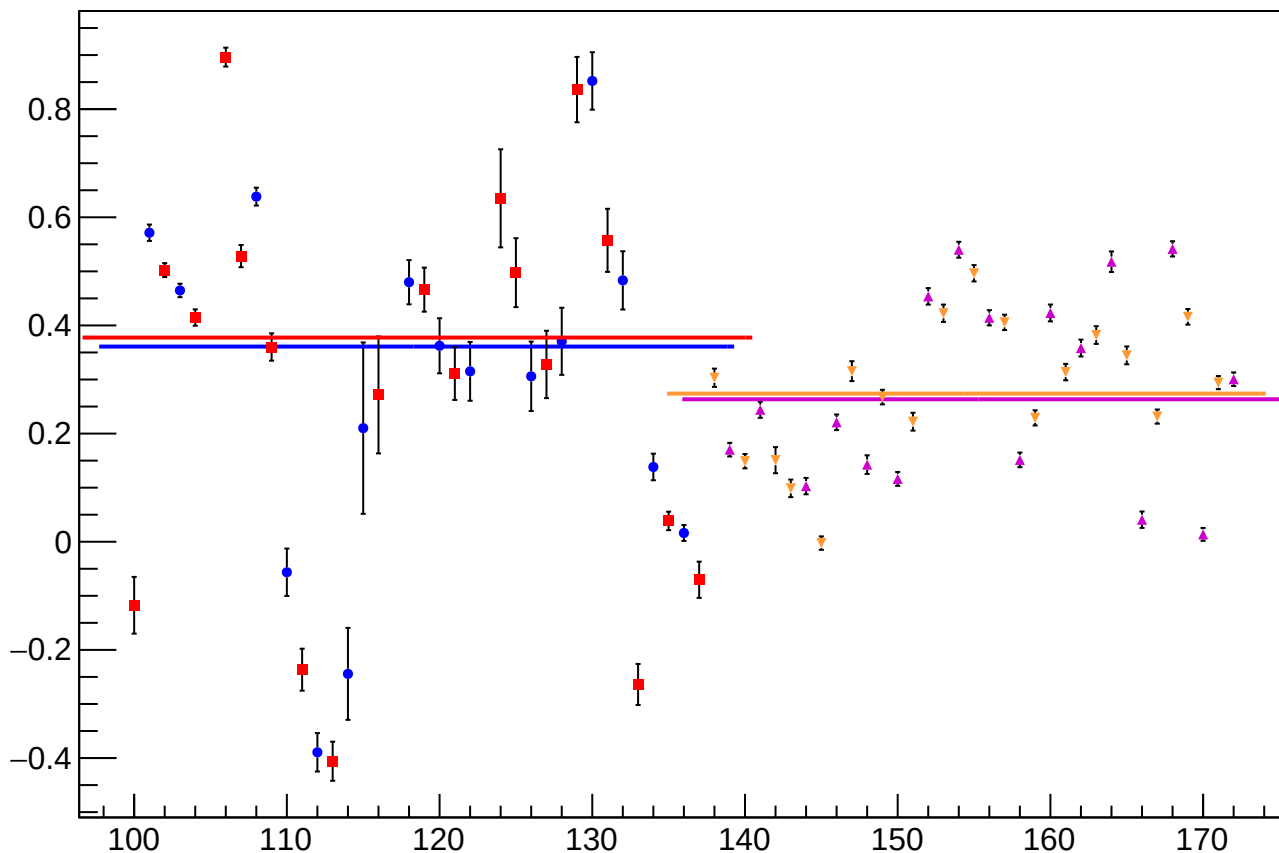
Left In: -57.102 $\pm$ 0.079 χ^2 /NDF:3526.7/16

+ sign -56.359 $\pm$ 0.067 χ^2 /NDF: 39123.4/33

All: -55.785 $\pm$ 0.048 χ^2 /NDF: 78867.3/69

- sign -55.213 $\pm$ 0.067 χ^2 /NDF: 39599.0/35

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.361 $\pm$ 0.006 χ^2 /NDF: 1860.0/15

Left Out: 0.274 $\pm$ 0.004 χ^2 /NDF:1319.0/17

Right Out: 0.378 $\pm$ 0.006 χ^2 /NDF: 2790.5/18

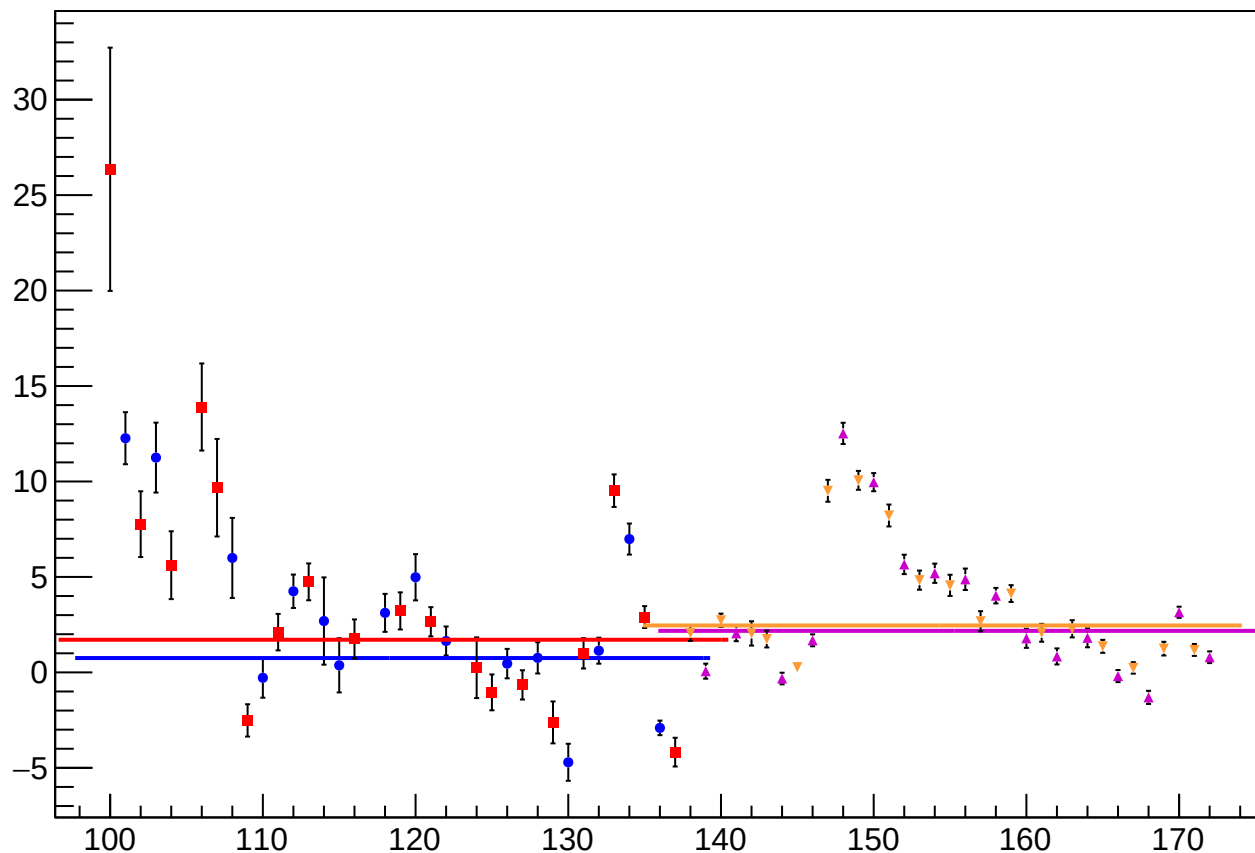
Left In: 0.263 $\pm$ 0.003 χ^2 /NDF:2424.1/16

+ sign 0.294 $\pm$ 0.003 χ^2 /NDF: 3322.1/33

All: 0.293 $\pm$ 0.002 χ^2 /NDF: 8800.3/69

- sign 0.291 $\pm$ 0.003 χ^2 /NDF: 5477.8/35

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

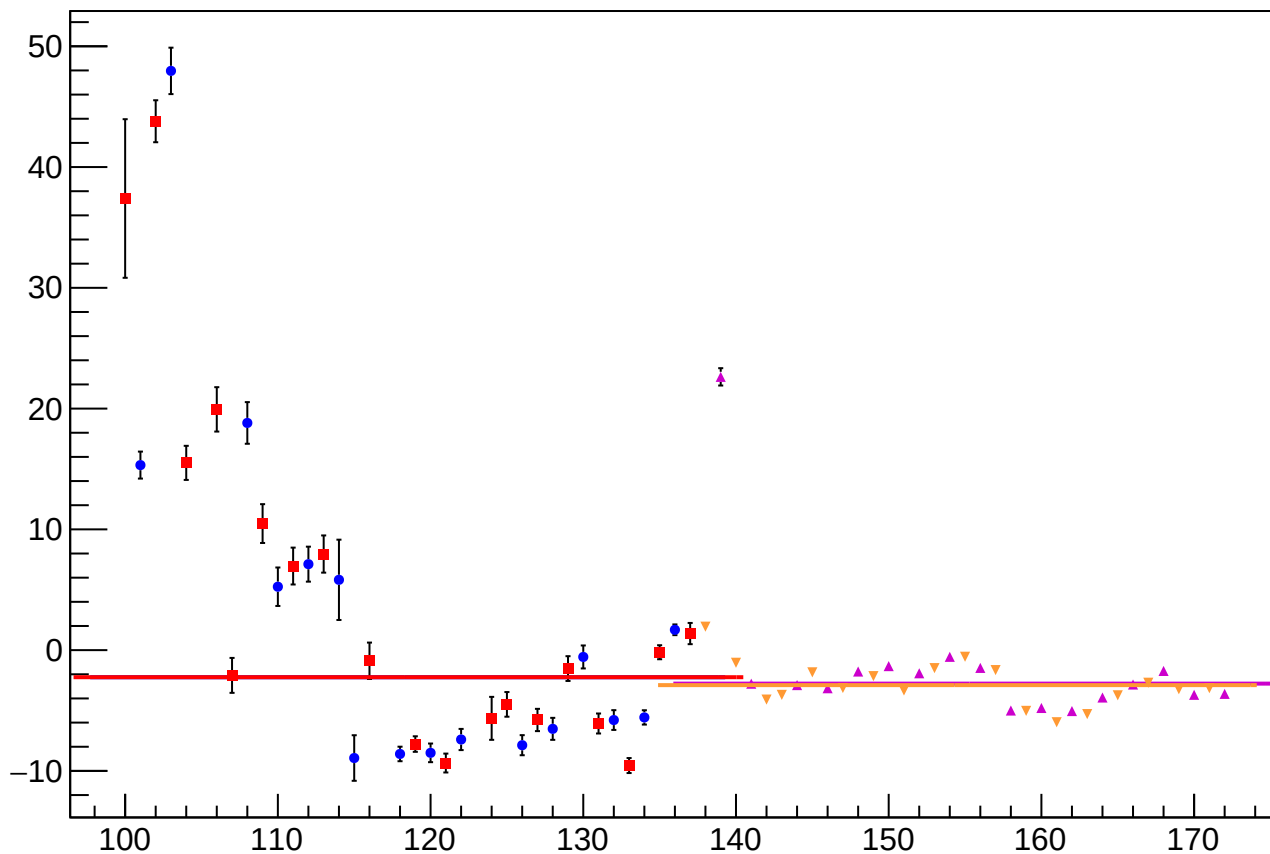
Left In: 2.175 ± 0.094 χ^2/NDF : 1040.0/16

+ sign 2.171 ± 0.087 χ^2/NDF : 1089.6/33

All: 2.138 ± 0.062 χ^2/NDF : 2427.5/69

- sign 2.105 ± 0.087 χ^2/NDF : 1337.6/35

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

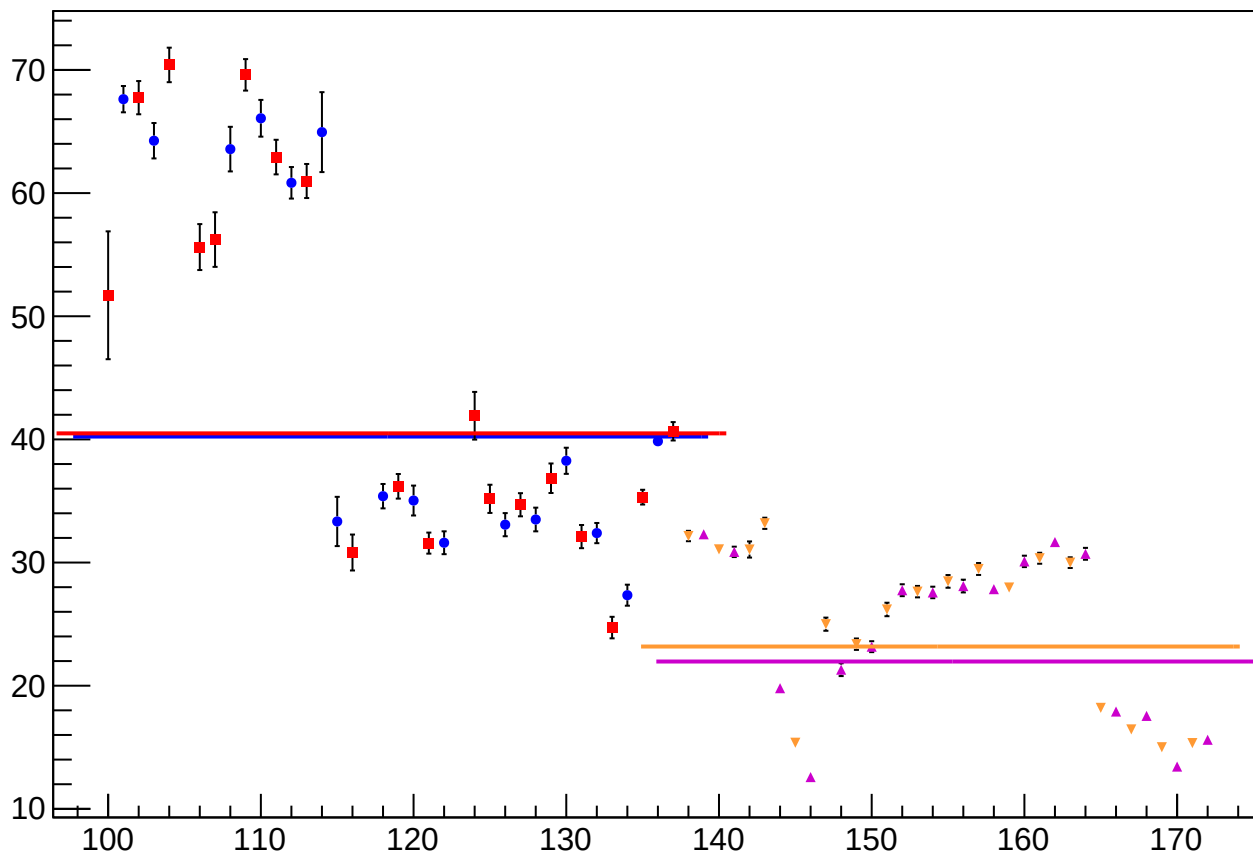
Left In: -2.773 ± 0.068 χ^2/NDF : 1560.9/16

+ sign -2.837 ± 0.066 χ^2/NDF : 2101.9/33

All: -2.783 ± 0.046 χ^2/NDF : 5224.7/69

- sign -2.730 ± 0.065 χ^2/NDF : 3121.5/35

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 40.232 $\pm$ 0.231 χ^2 /NDF: 2291.1/15

Left Out: 23.181 $\pm$ 0.095 χ^2 /NDF: 5277.8/17

Right Out: 40.490 $\pm$ 0.250 χ^2 /NDF: 2698.0/18

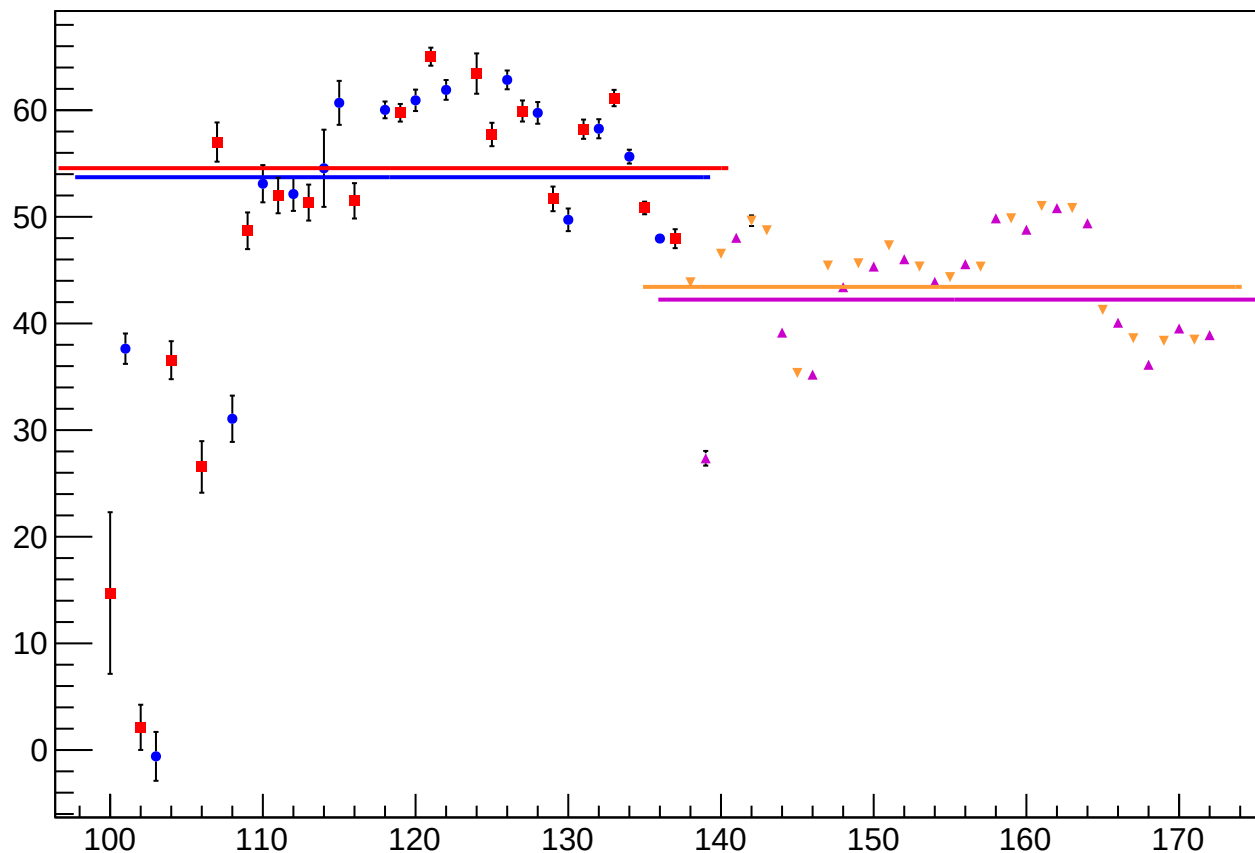
Left In: 21.964 $\pm$ 0.093 χ^2 /NDF: 5560.2/16

+ sign 25.623 $\pm$ 0.088 χ^2 /NDF: 12219.5/33

All: 24.911 $\pm$ 0.062 χ^2 /NDF: 25419.4/69

- sign 24.206 $\pm$ 0.087 χ^2 /NDF: 13068.4/35

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.715 ± 0.239 $\chi^2/\text{NDF}: 1362.7/15$

Left Out: 43.430 ± 0.078 $\chi^2/\text{NDF}: 4239.6/17$

Right Out: 54.565 ± 0.256 $\chi^2/\text{NDF}: 1342.6/18$

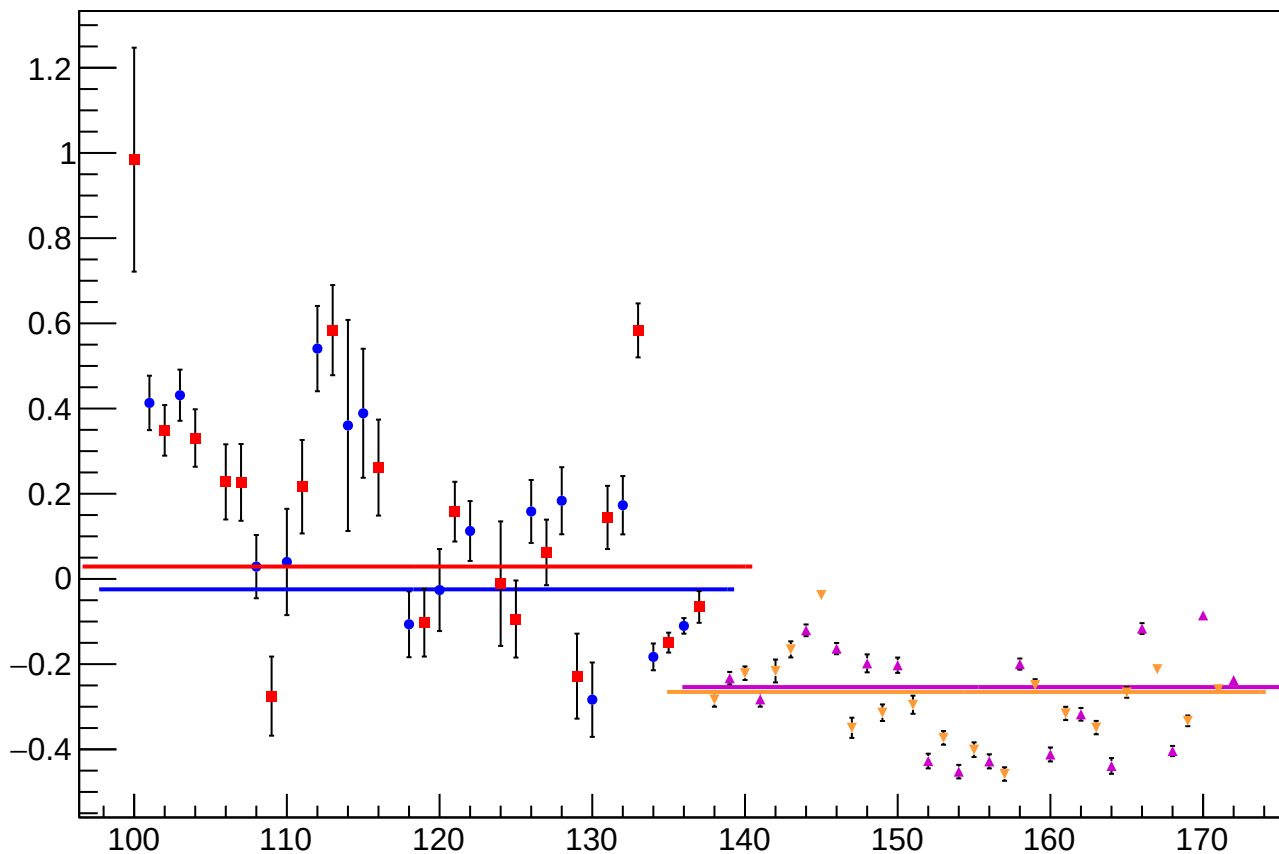
Left In: 42.235 ± 0.078 $\chi^2/\text{NDF}: 4720.2/16$

+ sign 44.431 ± 0.075 $\chi^2/\text{NDF}: 7273.8/33$

All: 43.848 ± 0.053 $\chi^2/\text{NDF}: 15581.3/69$

- sign 43.270 ± 0.074 $\chi^2/\text{NDF}: 8185.7/35$

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

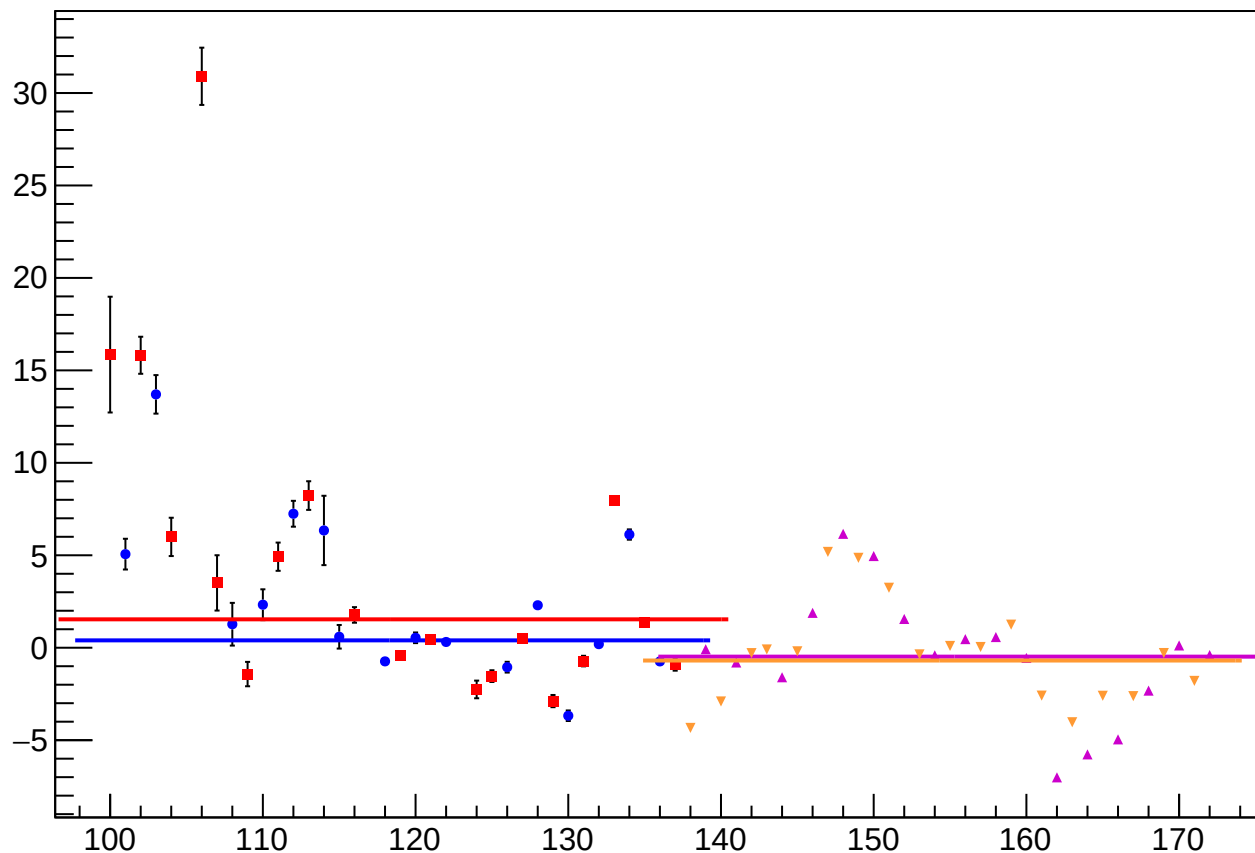
Left In: -0.254±/0.003 χ^2/NDF : 1310.3/16

+ sign -0.248±/0.003 χ^2/NDF : 1411.6/33

All: -0.243±/0.002 χ^2/NDF : 3375.4/69

- sign -0.238±/0.003 χ^2/NDF : 1959.2/35

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

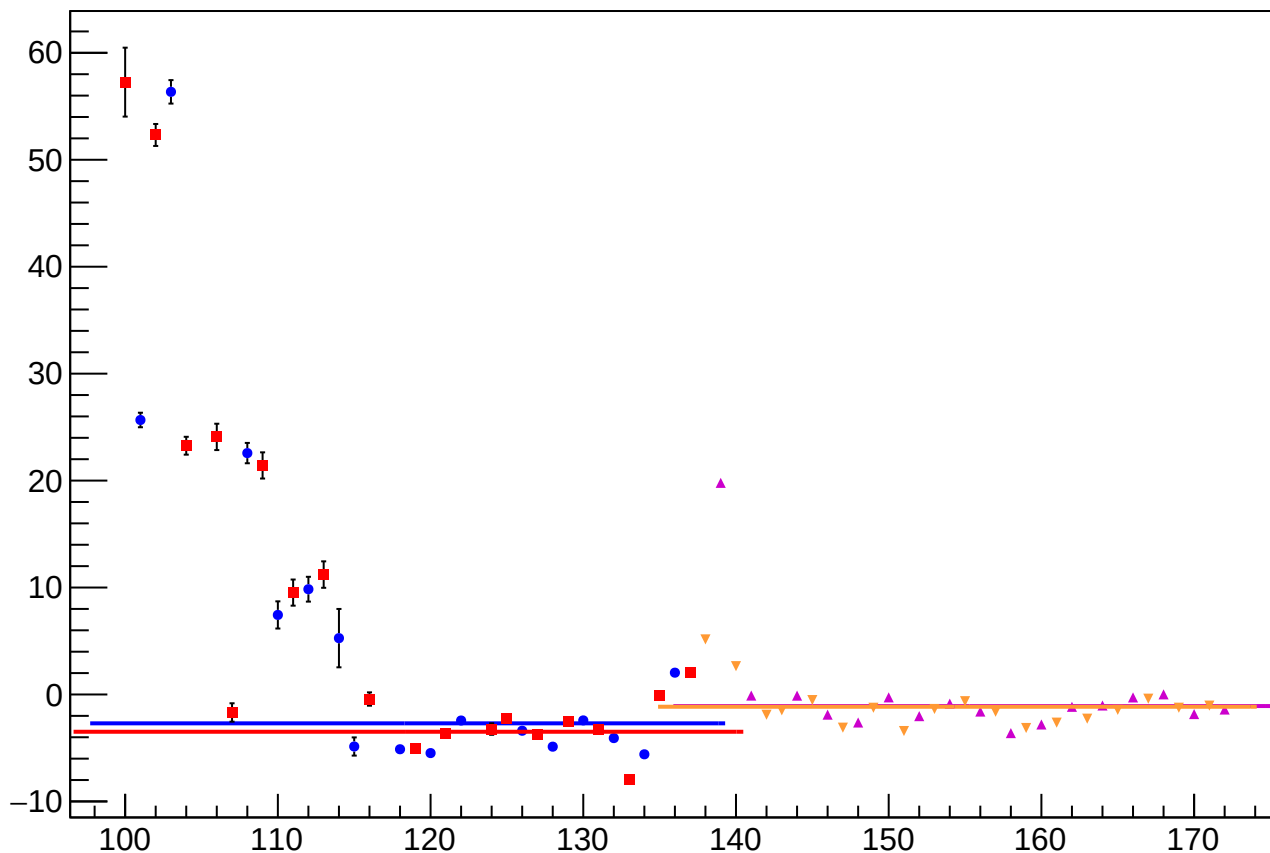
Left In: -0.482 ± 0.036 χ^2/NDF : 6609.6/16

+ sign -0.492 ± 0.033 χ^2/NDF : 5785.4/33

All: -0.310 ± 0.023 χ^2/NDF : 15416.9/69

- sign -0.133 ± 0.033 χ^2/NDF : 9571.4/35

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699 ± 0.071 χ^2/NDF : 7103.8/15

Left Out: -1.146 ± 0.026 χ^2/NDF : 4253.7/17

Right Out: -3.486 ± 0.071 χ^2/NDF : 7159.9/18

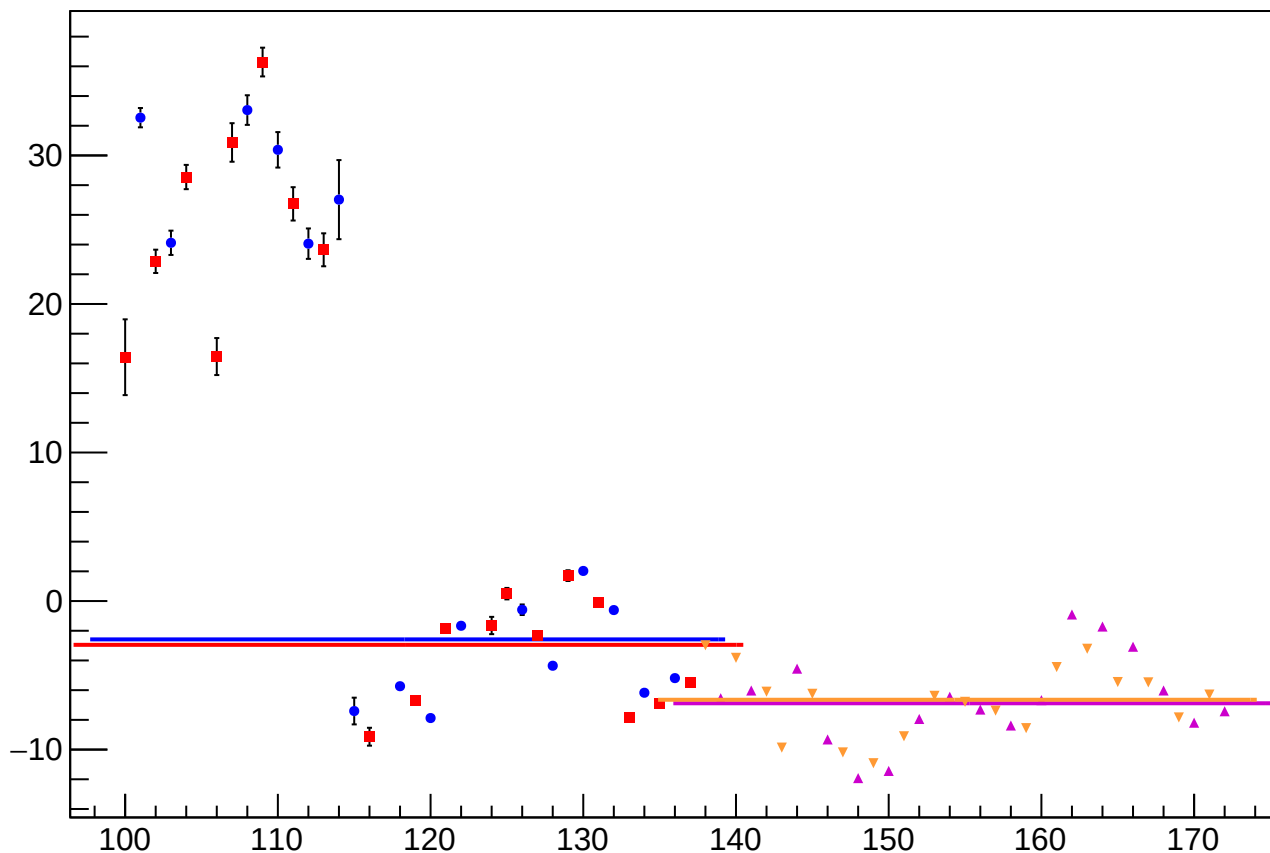
Left In: -1.082 ± 0.026 χ^2/NDF : 8333.3/16

+ sign -1.335 ± 0.025 χ^2/NDF : 11780.8/33

All: -1.350 ± 0.017 χ^2/NDF : 28290.4/69

- sign -1.364 ± 0.024 χ^2/NDF : 16508.8/35

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

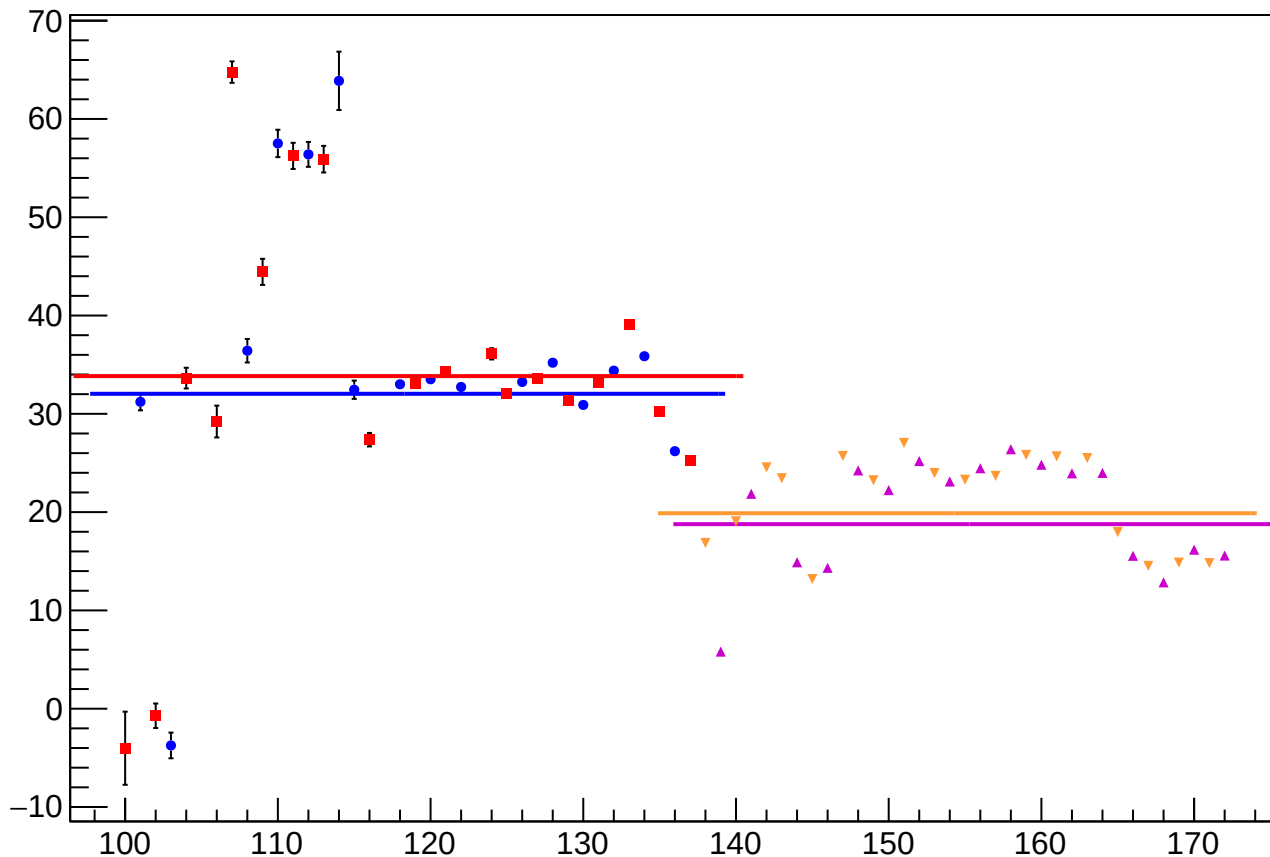
Left In: -6.883 ± 0.035 χ^2/NDF : 5743.7/16

+ sign -5.999 ± 0.033 χ^2/NDF : 13800.2/33

All: -6.154 ± 0.023 χ^2/NDF : 29613.0/69

- sign -6.304 ± 0.033 χ^2/NDF : 15769.8/35

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 32.038 $\pm$ 0.081 χ^2 /NDF: 3255.9/15

Left Out: 19.886 $\pm$ 0.030 χ^2 /NDF:27347.7/17

Right Out: 33.837 $\pm$ 0.082 χ^2 /NDF: 4237.8/18

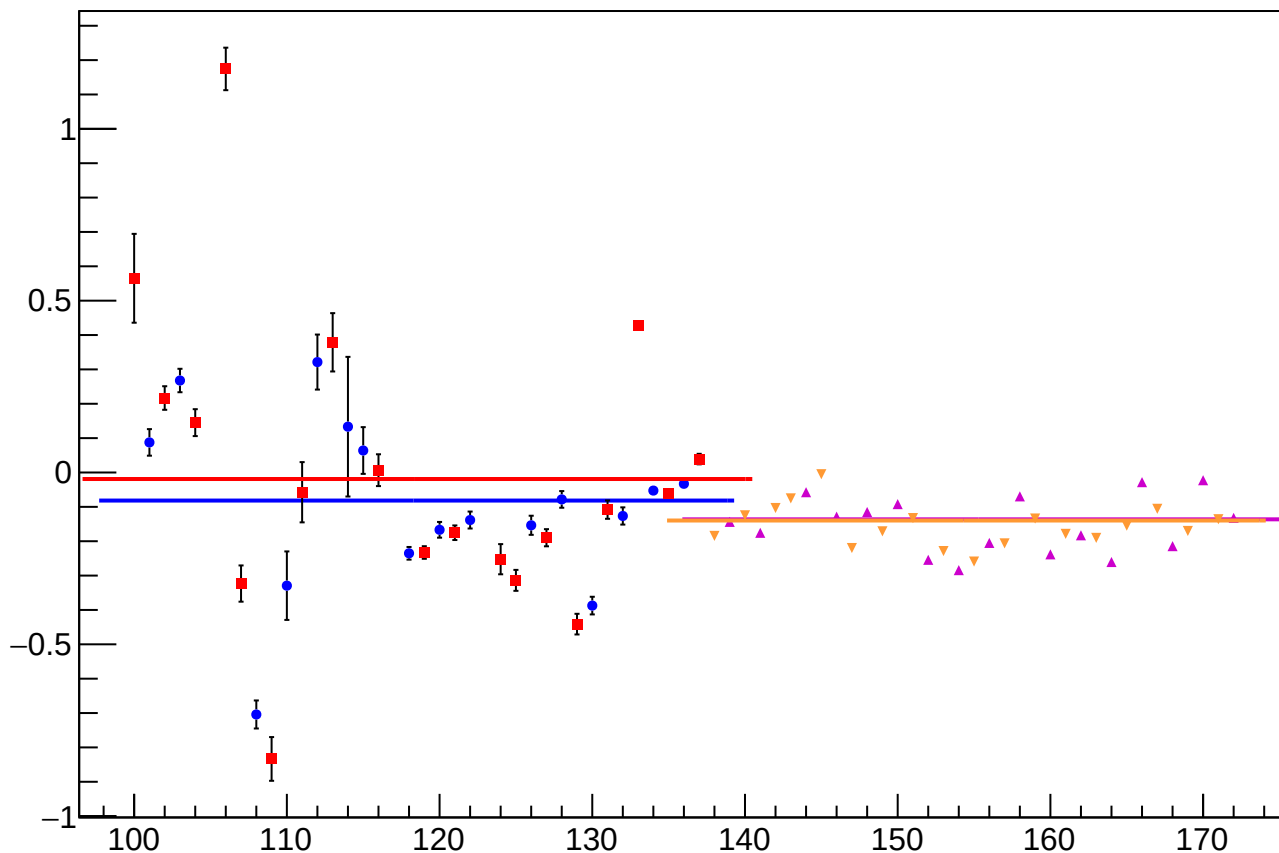
Left In: 18.775 $\pm$ 0.030 χ^2 /NDF:26488.7/16

+ sign 21.357 $\pm$ 0.028 χ^2 /NDF: 50244.9/33

All: 20.938 $\pm$ 0.020 χ^2 /NDF: 111488.0/69

- sign 20.531 $\pm$ 0.028 χ^2 /NDF: 60810.4/35

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.082 ± 0.005 χ^2/NDF : 689.2/15

Left Out: -0.140 ± 0.001 χ^2/NDF : 2258.4/17

Right Out: -0.019 ± 0.005 χ^2/NDF : 2273.7/18

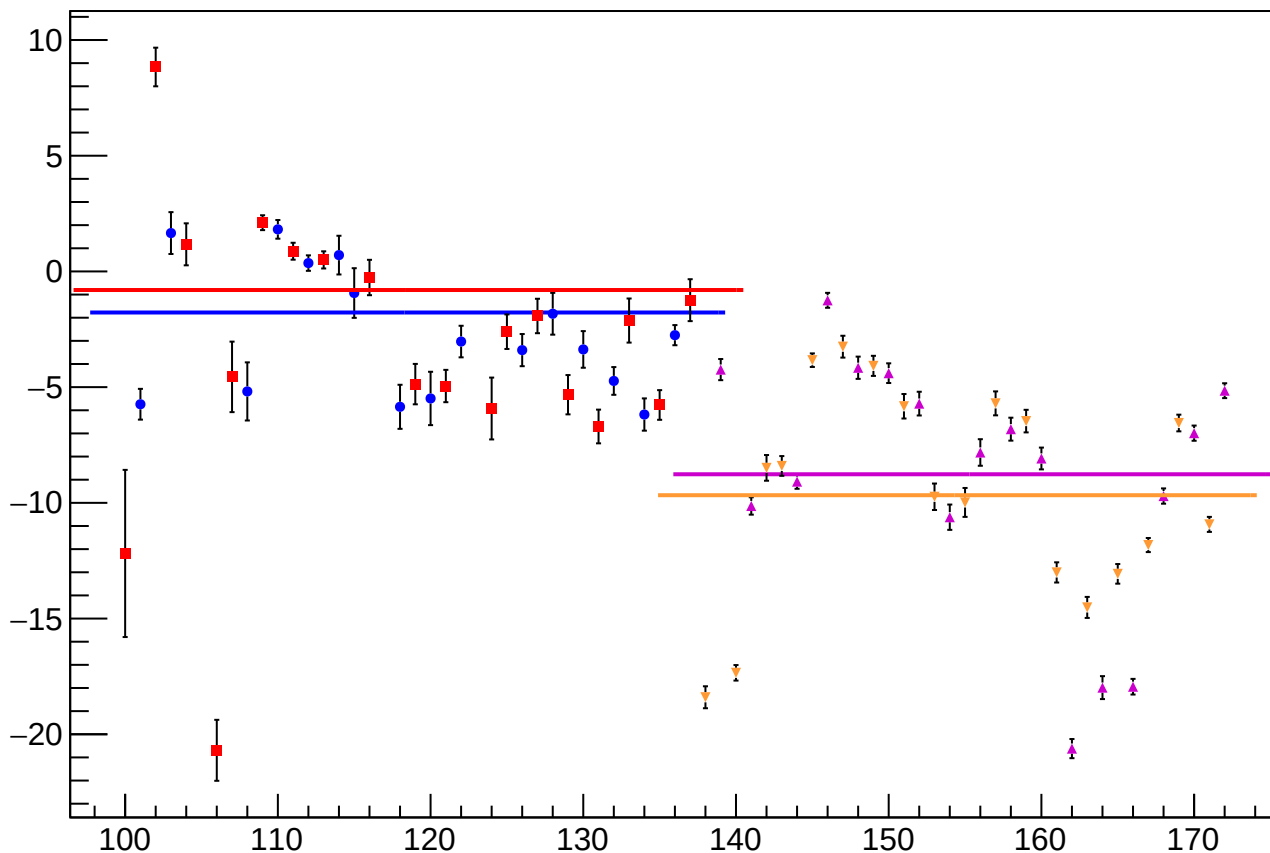
Left In: -0.136 ± 0.001 χ^2/NDF : 3558.8/16

+ sign -0.135 ± 0.001 χ^2/NDF : 3081.6/33

All: -0.132 ± 0.001 χ^2/NDF : 9404.3/69

- sign -0.129 ± 0.001 χ^2/NDF : 6310.7/35

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

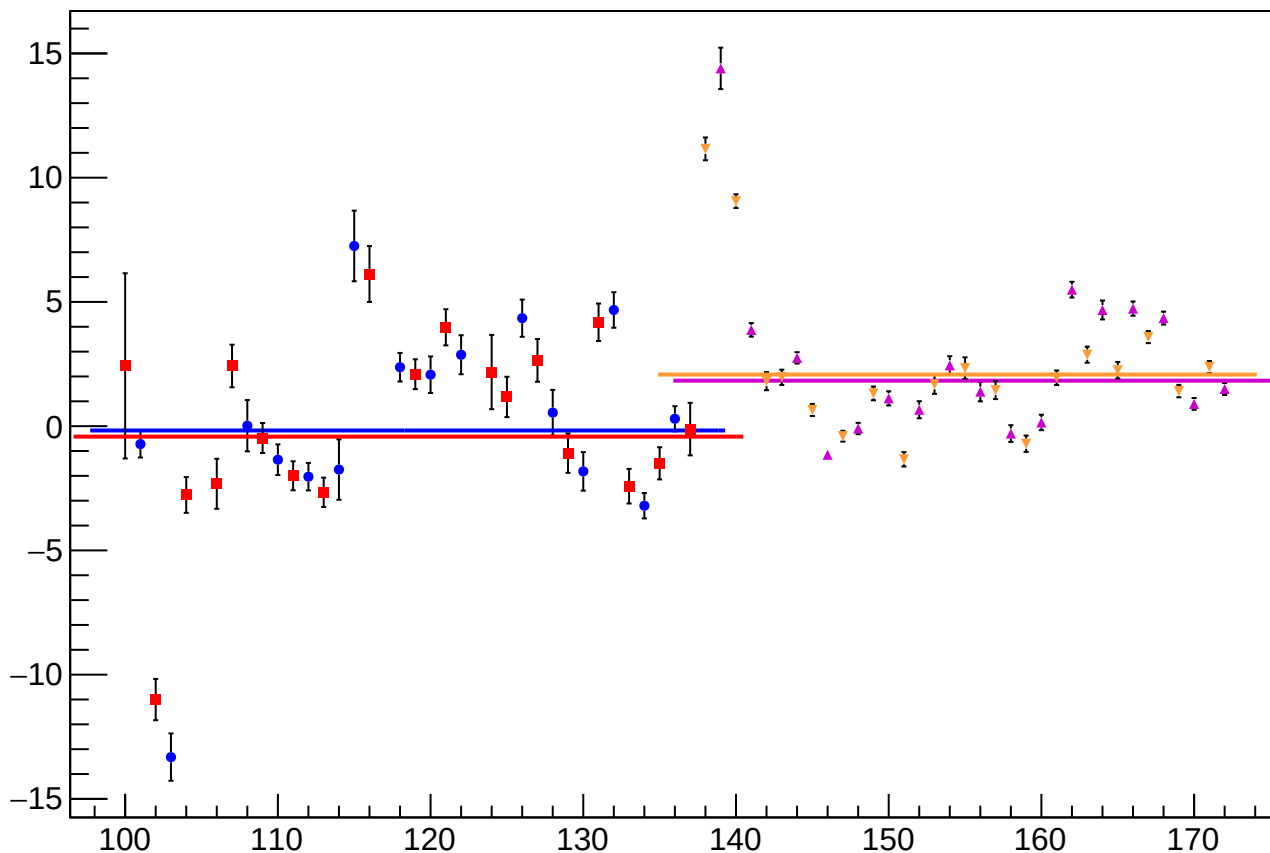
Left In: -8.765 ± 0.097 χ^2/NDF : 2987.4/16

+ sign -7.461 ± 0.083 χ^2/NDF : 4269.1/33

All: -6.914 ± 0.058 χ^2/NDF : 10098.6/69

- sign -6.396 ± 0.081 χ^2/NDF : 5745.3/35

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

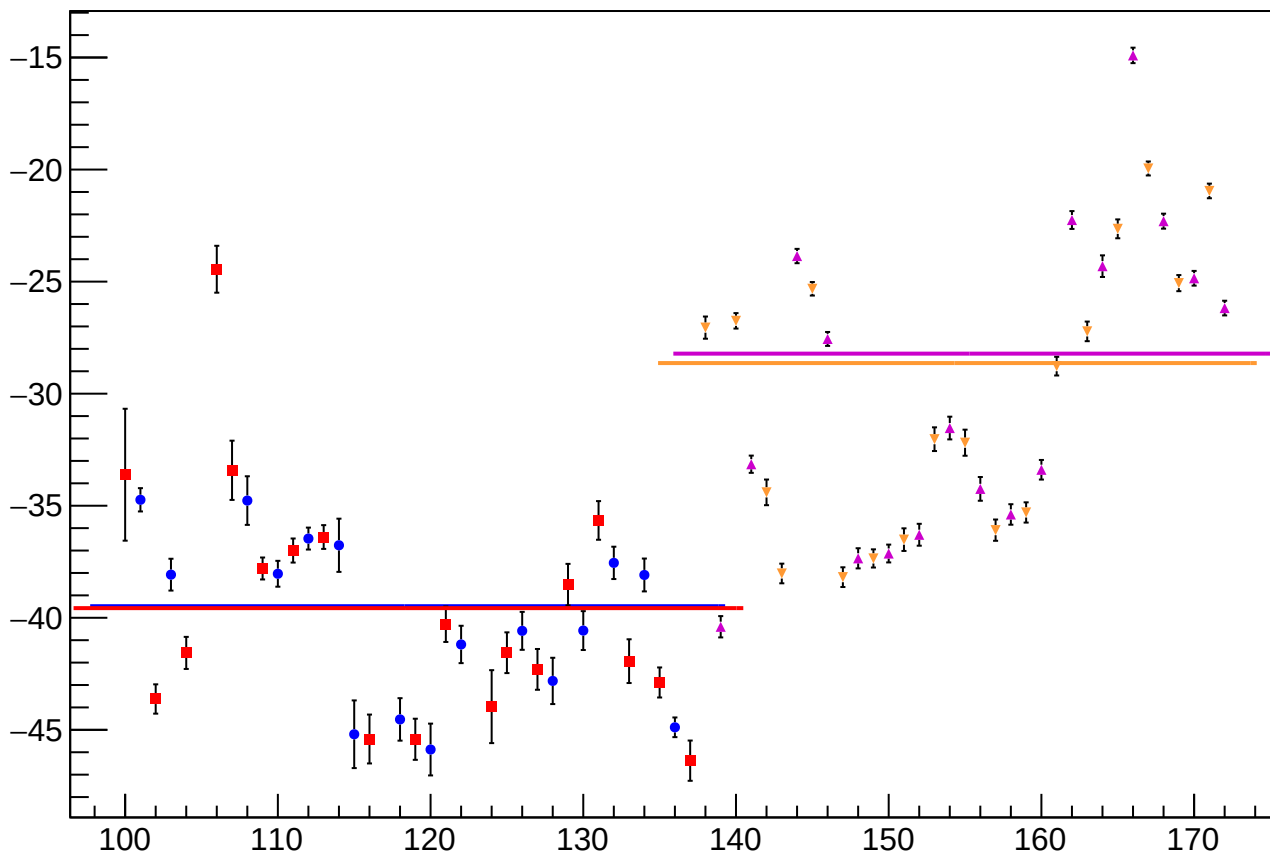
Left In: 1.830 ± 0.069 χ^2/NDF : 1100.3/16

+ sign 1.766 ± 0.064 χ^2/NDF : 2017.9/33

All: 1.651 ± 0.045 χ^2/NDF : 3631.3/69

- sign 1.537 ± 0.064 χ^2/NDF : 1607.0/35

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



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

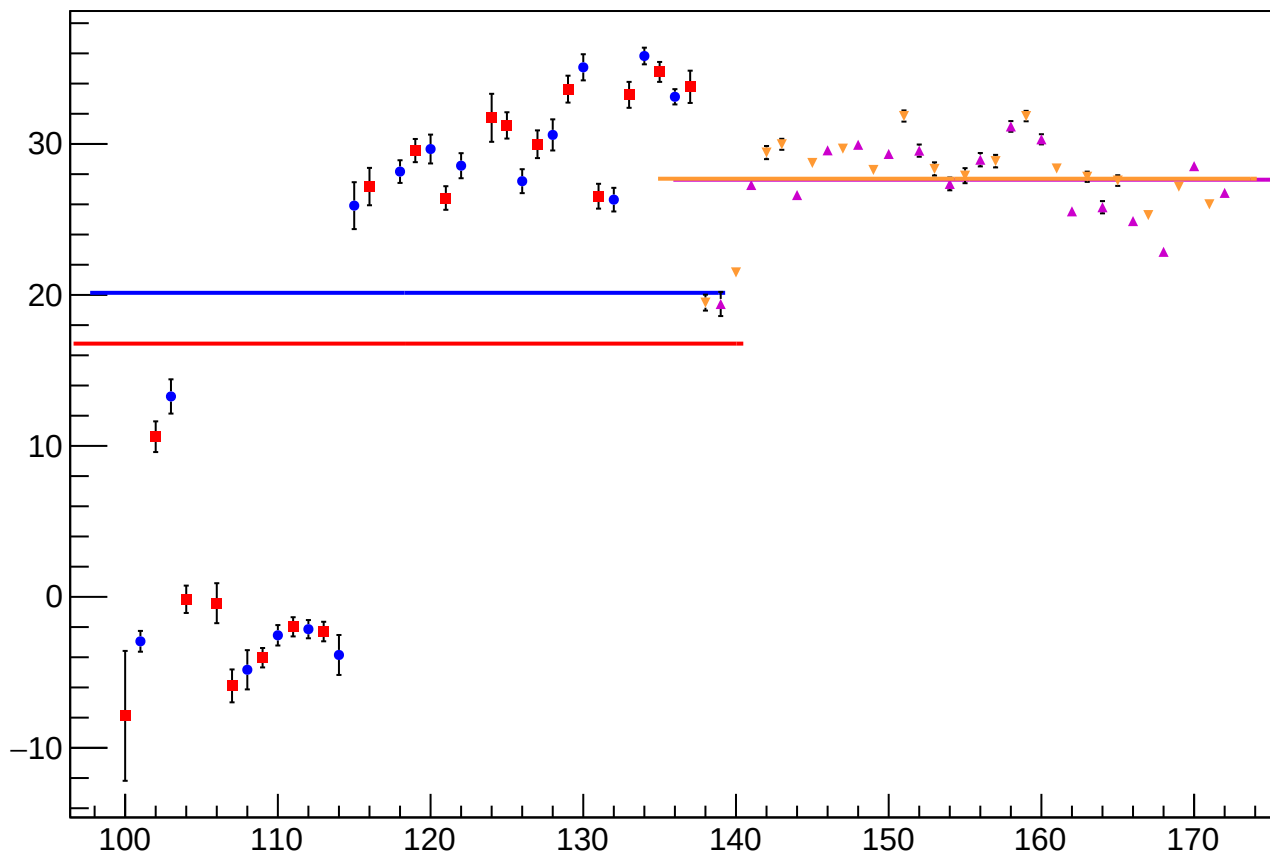
Left In: -28.213 ± 0.095 χ^2/NDF : 4993.9/16

+ sign -31.062 ± 0.085 χ^2/NDF : 7301.4/33

All: -30.862 ± 0.060 χ^2/NDF : 15946.4/69

- sign -30.667 ± 0.084 χ^2/NDF : 8634.1/35

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.140 $\pm$ 0.195 χ^2 /NDF: 6684.6/15

Left Out: 27.698 $\pm$ 0.080 χ^2 /NDF: 1116.7/17

Right Out: 16.775 $\pm$ 0.200 χ^2 /NDF: 6739.1/18

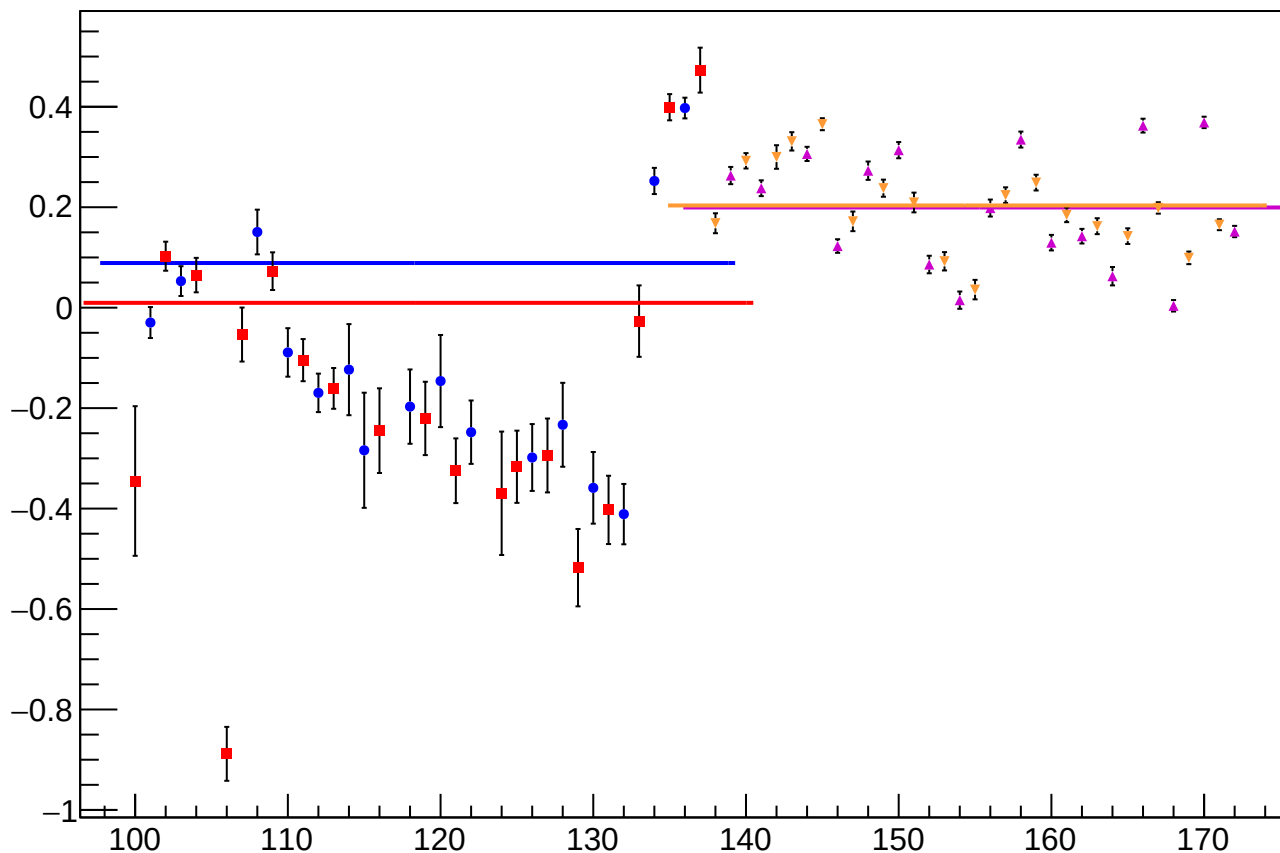
Left In: 27.632 $\pm$ 0.079 χ^2 /NDF: 872.9/16

+ sign 26.613 $\pm$ 0.074 χ^2 /NDF: 9091.8/33

All: 26.390 $\pm$ 0.052 χ^2 /NDF: 19279.3/69

- sign 26.169 $\pm$ 0.073 χ^2 /NDF: 10169.3/35

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.089 $\pm$ 0.010 χ^2 /NDF: 563.9/15

Left Out: 0.204 $\pm$ 0.004 χ^2 /NDF: 519.9/17

Right Out: 0.010 $\pm$ 0.011 χ^2 /NDF: 834.8/18

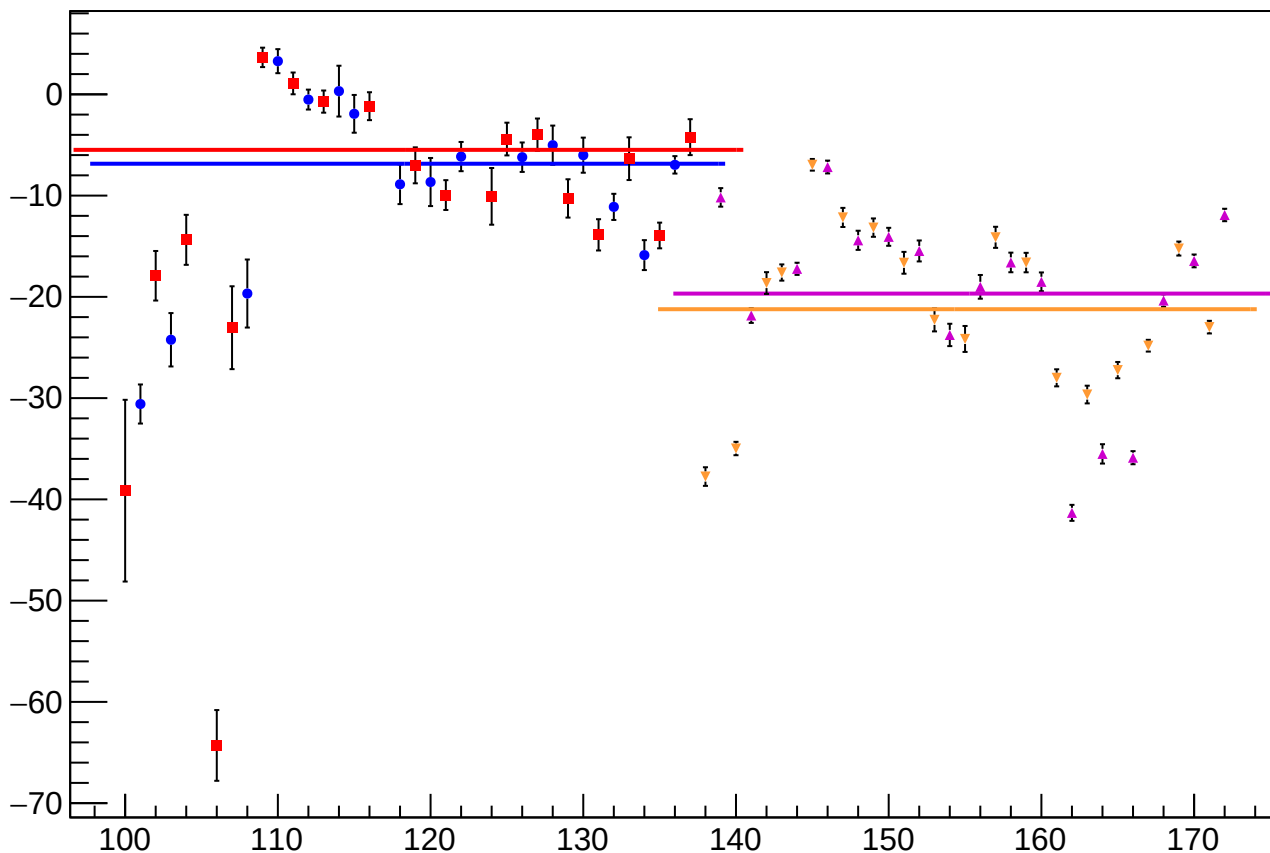
Left In: 0.199 $\pm$ 0.004 χ^2 /NDF: 1169.9/16

+ sign 0.191 $\pm$ 0.003 χ^2 /NDF: 1191.9/33

All: 0.186 $\pm$ 0.002 χ^2 /NDF: 3469.5/69

- sign 0.182 $\pm$ 0.003 χ^2 /NDF: 2273.6/35

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

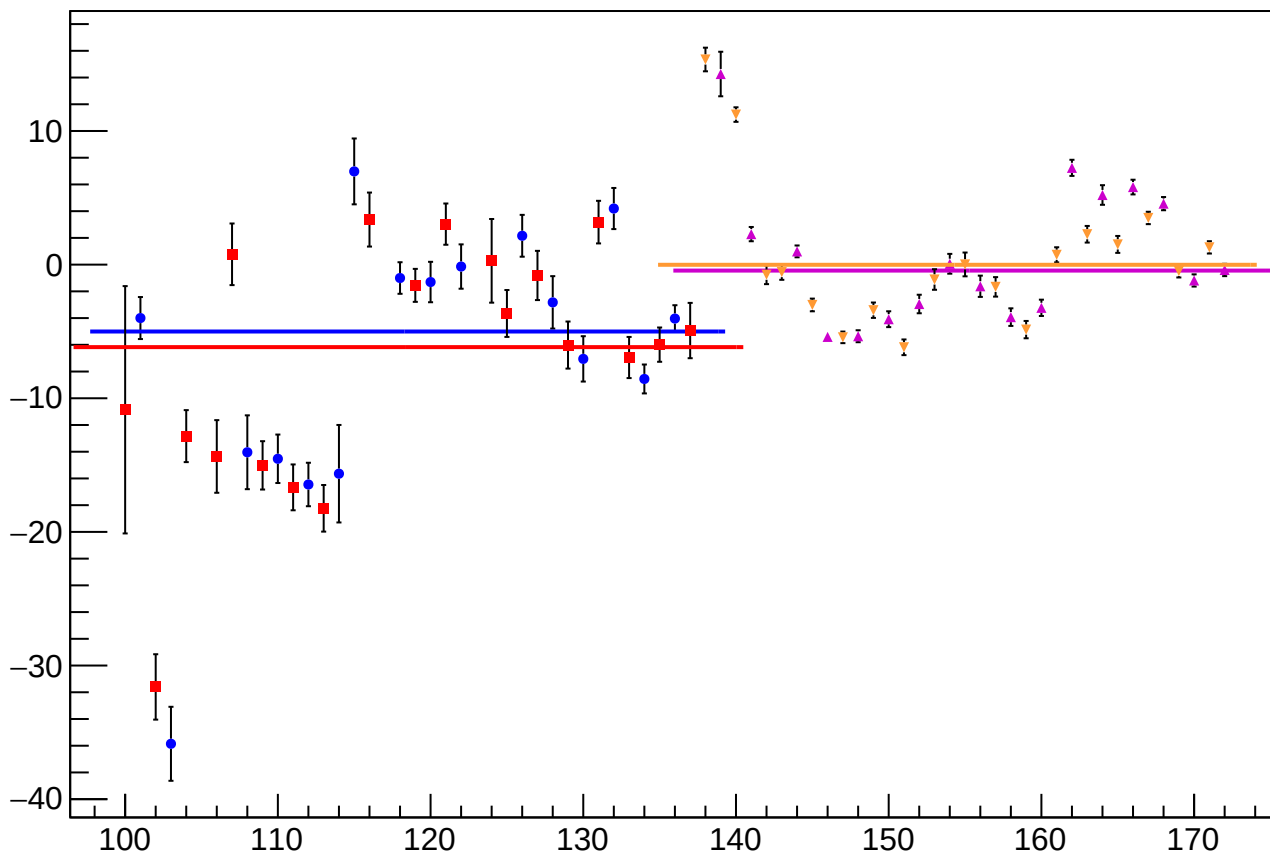
Left In: -19.678 ± 0.188 χ^2/NDF : 2472.6/16

+ sign -18.263 ± 0.170 χ^2/NDF : 3547.3/33

All: -17.491 ± 0.120 χ^2/NDF : 7840.8/69

- sign -16.743 ± 0.168 χ^2/NDF : 4253.1/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -5.005 ± 0.395 χ^2/NDF : 341.7/15

Left Out: -0.012 ± 0.136 χ^2/NDF : 1222.5/17

Right Out: -6.173 ± 0.417 χ^2/NDF : 369.1/18

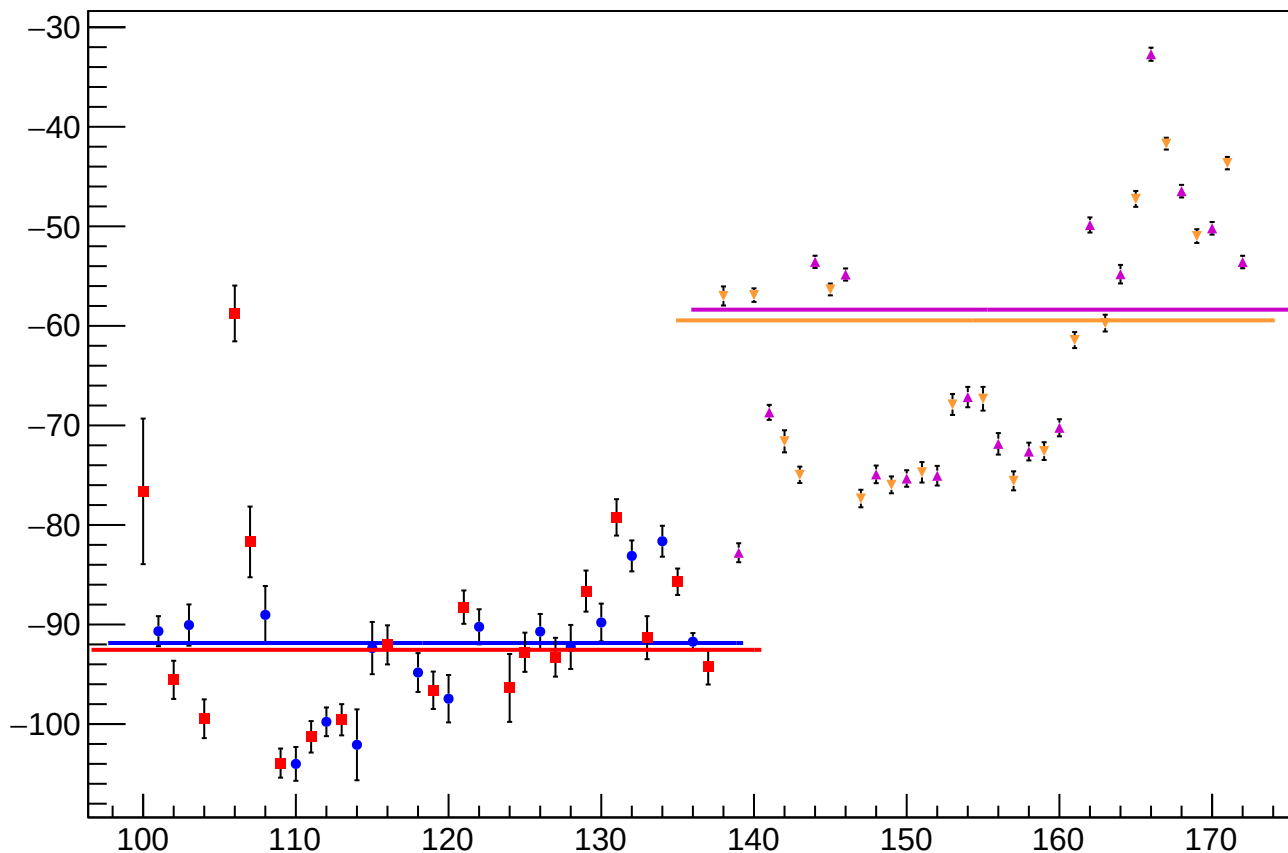
Left In: -0.446 ± 0.134 χ^2/NDF : 968.0/16

+ sign -0.537 ± 0.128 χ^2/NDF : 1707.0/33

All: -0.761 ± 0.090 χ^2/NDF : 3221.5/69

- sign -0.981 ± 0.127 χ^2/NDF : 1508.5/35

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

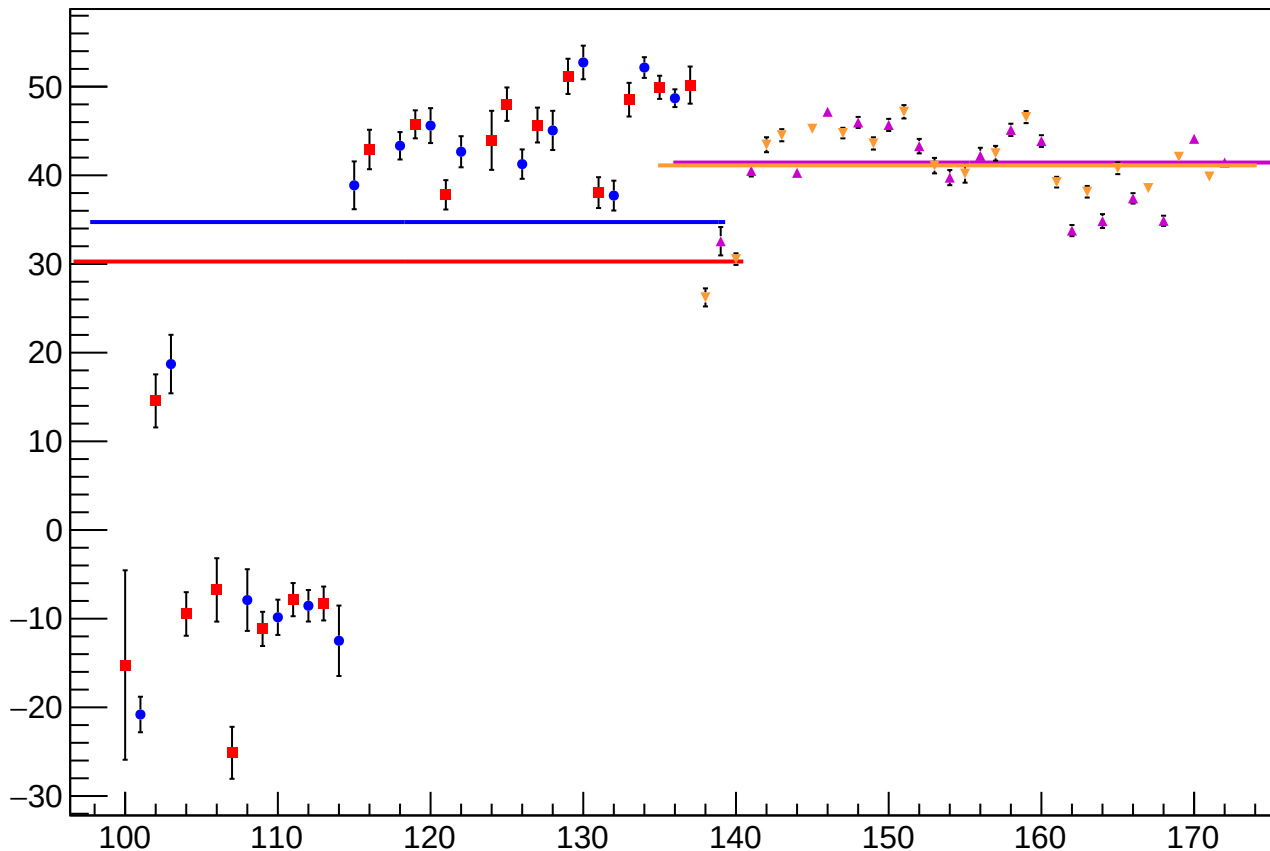
Left In: -58.371 ± 0.186 χ^2/NDF : 4891.5/16

+ sign -64.828 ± 0.173 χ^2/NDF : 9105.4/33

All: -64.182 ± 0.122 χ^2/NDF : 19547.8/69

- sign -63.549 ± 0.171 χ^2/NDF : 10414.7/35

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.729 $\pm$ 0.442 χ^2 /NDF: 2809.1/15

Left Out: 41.121 $\pm$ 0.156 χ^2 /NDF: 810.9/17

Right Out: 30.279 $\pm$ 0.467 χ^2 /NDF: 2911.2/18

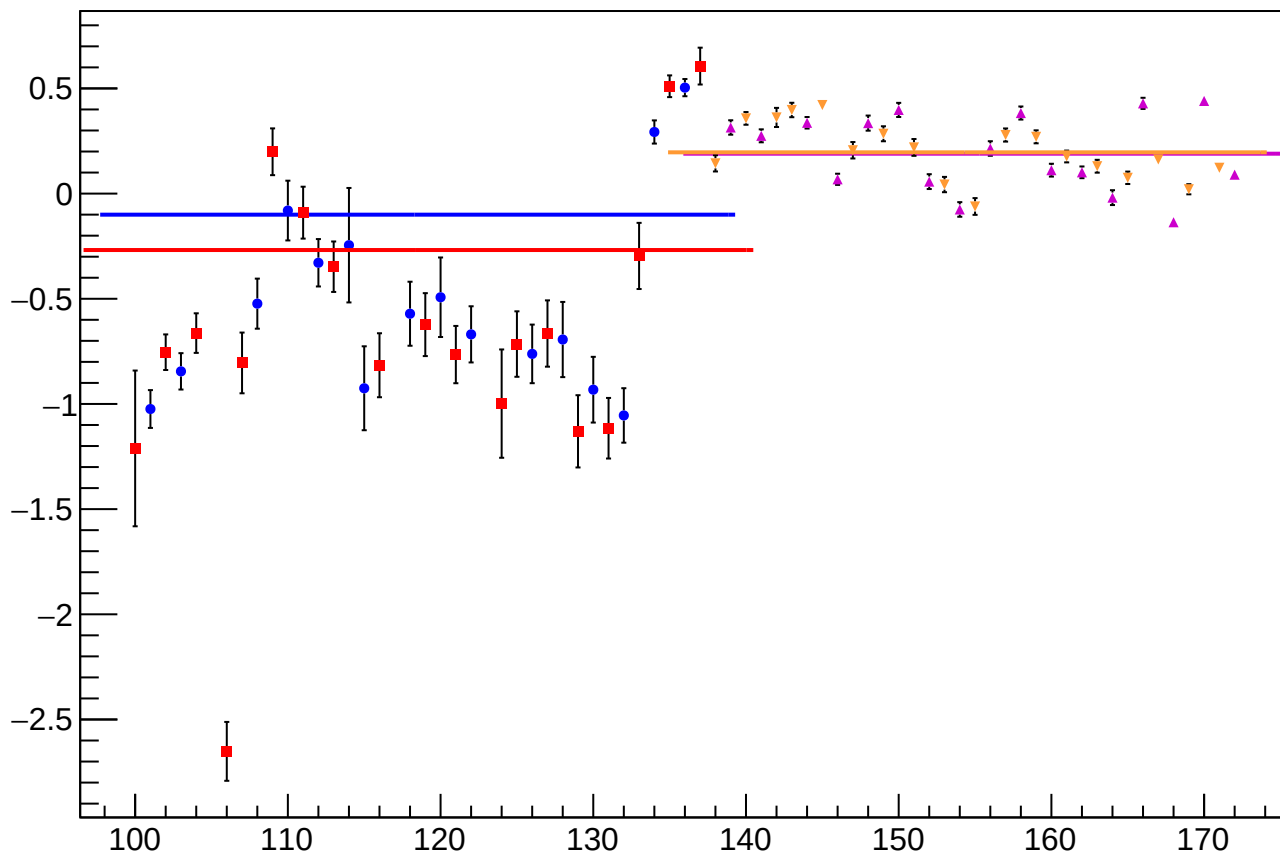
Left In: 41.441 $\pm$ 0.154 χ^2 /NDF: 756.2/16

+ sign 40.414 $\pm$ 0.147 χ^2 /NDF: 3806.1/33

All: 40.382 $\pm$ 0.104 χ^2 /NDF: 7988.7/69

- sign 40.350 $\pm$ 0.146 χ^2 /NDF: 4182.5/35

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.100 ± 0.024 χ^2/NDF : 631.4/15

Left Out: 0.196 ± 0.007 χ^2/NDF : 337.6/17

Right Out: -0.268 ± 0.026 χ^2/NDF : 822.4/18

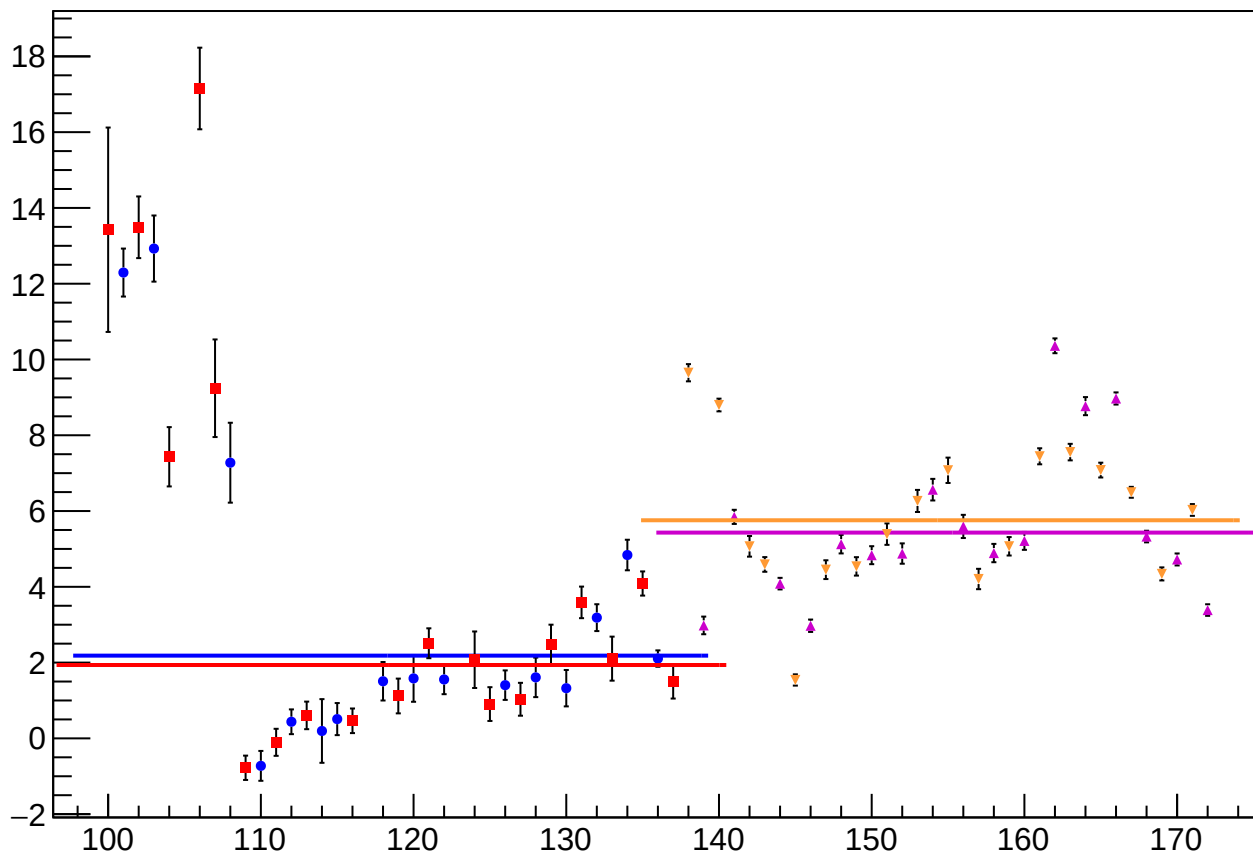
Left In: 0.190 ± 0.007 χ^2/NDF : 748.7/16

+ sign 0.173 ± 0.007 χ^2/NDF : 1109.2/33

All: 0.166 ± 0.005 χ^2/NDF : 2964.6/69

- sign 0.160 ± 0.007 χ^2/NDF : 1853.7/35

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.184 $\pm$ 0.105 χ^2 /NDF: 599.3/15

Left Out: 5.756 $\pm$ 0.048 χ^2 /NDF:1857.1/17

Right Out: 1.936 $\pm$ 0.105 χ^2 /NDF: 717.1/18

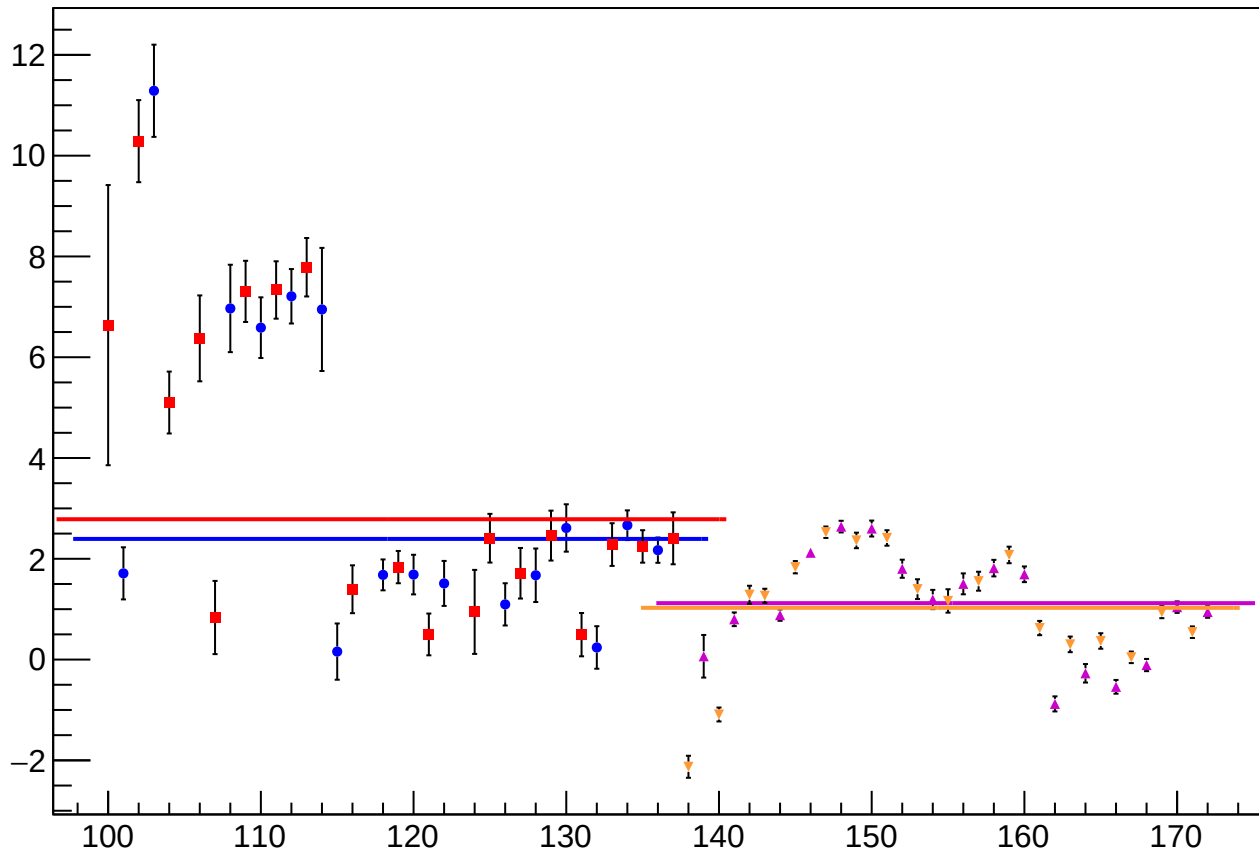
Left In: 5.431 $\pm$ 0.048 χ^2 /NDF:1969.7/16

+ sign 5.134 $\pm$ 0.044 χ^2 /NDF: 3412.7/33

All: 4.985 $\pm$ 0.031 χ^2 /NDF: 7034.3/69

- sign 4.840 $\pm$ 0.043 χ^2 /NDF: 3598.8/35

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

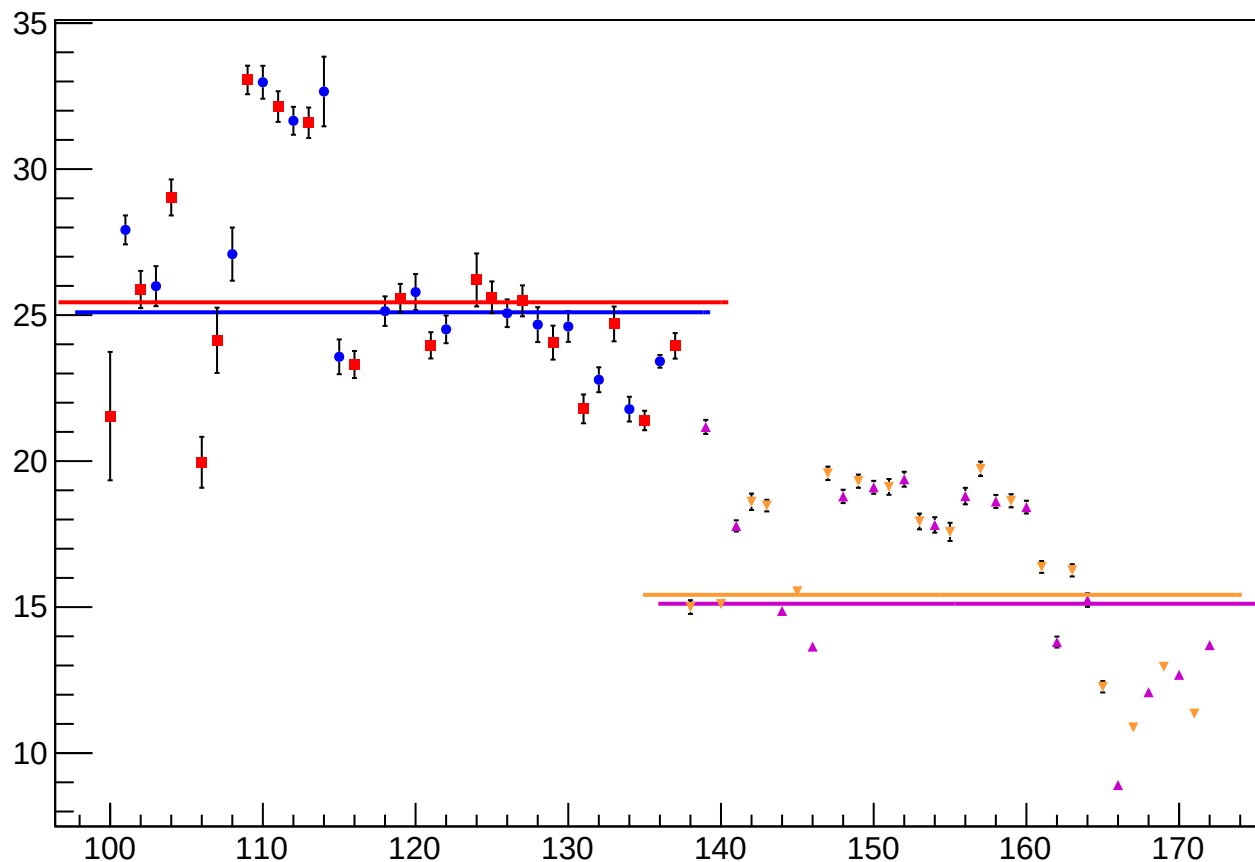
Left In: 1.120 ± 0.034 χ^2/NDF : 926.9/16

+ sign 1.151 ± 0.033 χ^2/NDF : 1493.1/33

All: 1.201 ± 0.023 χ^2/NDF : 3025.9/69

- sign 1.250 ± 0.032 χ^2/NDF : 1528.1/35

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.096 $\pm$ 0.118 χ^2 /NDF: 622.9/15

Left Out: 15.420 $\pm$ 0.048 χ^2 /NDF: 3951.7/17

Right Out: 25.438 $\pm$ 0.124 χ^2 /NDF: 877.6/18

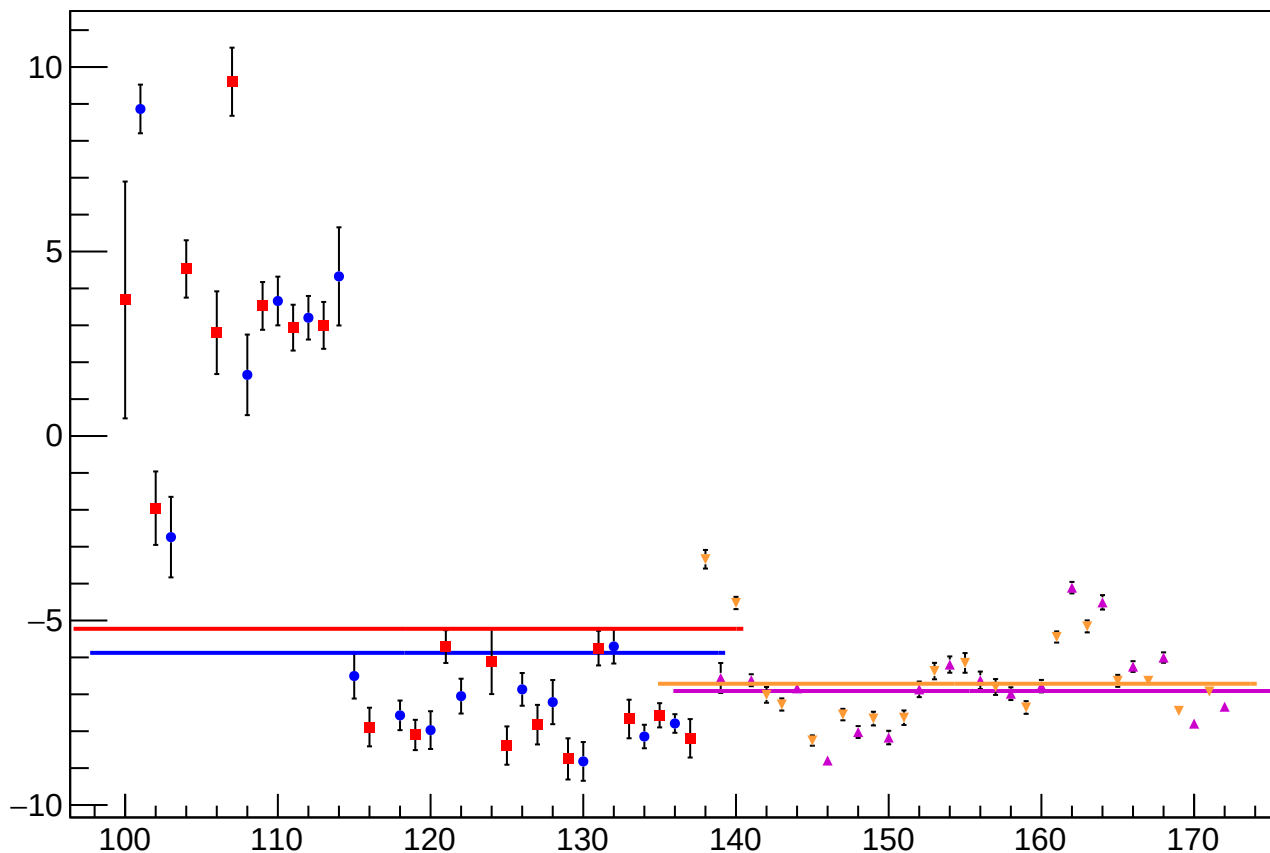
Left In: 15.115 $\pm$ 0.047 χ^2 /NDF: 4699.0/16

+ sign 16.792 $\pm$ 0.044 χ^2 /NDF: 10390.8/33

All: 16.599 $\pm$ 0.031 χ^2 /NDF: 22065.1/69

- sign 16.408 $\pm$ 0.044 χ^2 /NDF: 11636.4/35

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.876 ± 0.121 χ^2/NDF : 1251.4/15

Left Out: -6.714 ± 0.039 χ^2/NDF : 778.5/17

Right Out: -5.225 ± 0.129 χ^2/NDF : 1292.0/18

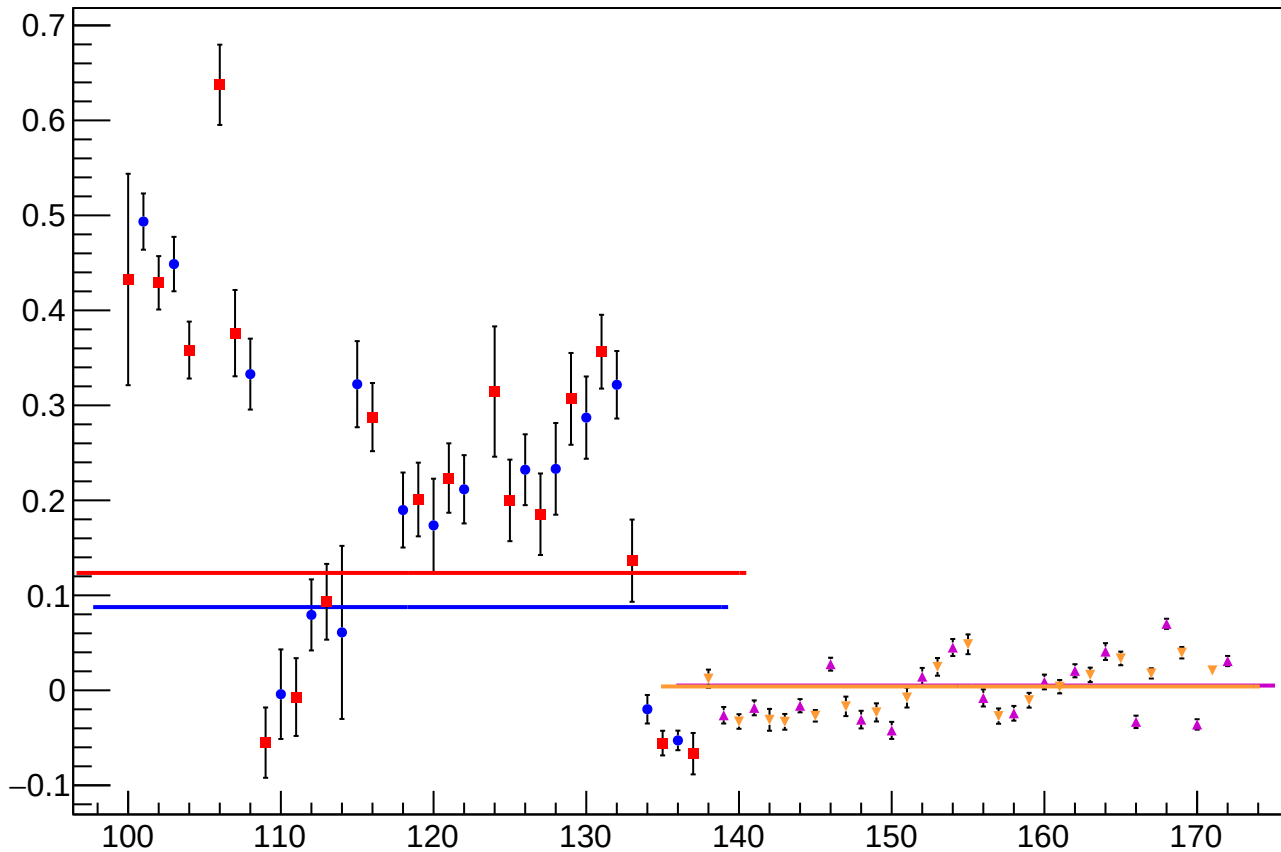
Left In: -6.911 ± 0.039 χ^2/NDF : 958.7/16

+ sign -6.633 ± 0.037 χ^2/NDF : 2073.5/33

All: -6.703 ± 0.026 χ^2/NDF : 4486.6/69

- sign -6.771 ± 0.037 χ^2/NDF : 2406.3/35

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088 ± 0.007 χ^2/NDF : 768.0/15

Left Out: 0.004 ± 0.002 χ^2/NDF : 205.5/17

Right Out: 0.124 ± 0.007 χ^2/NDF : 762.3/18

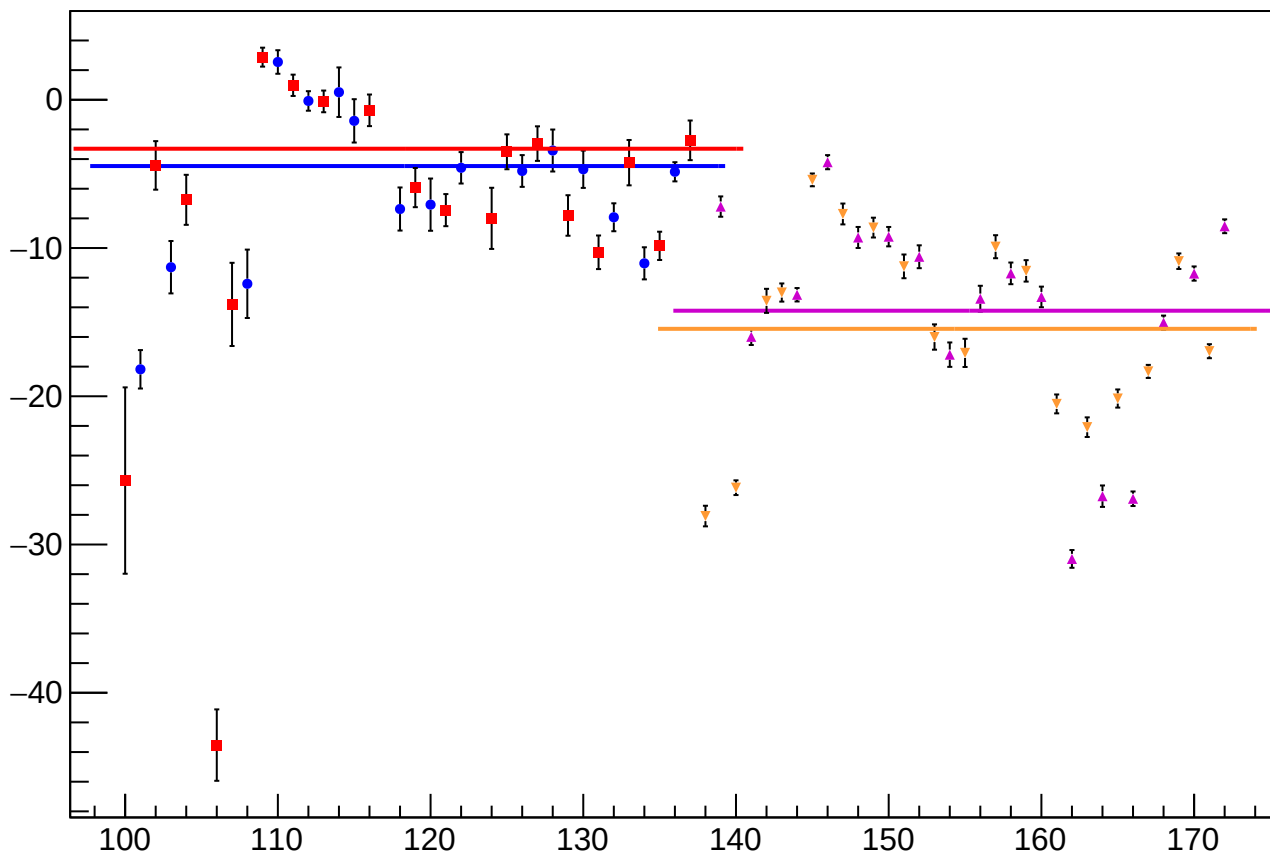
Left In: 0.005 ± 0.002 χ^2/NDF : 405.1/16

+ sign 0.010 ± 0.002 χ^2/NDF : 1123.3/33

All: 0.011 ± 0.001 χ^2/NDF : 2538.6/69

- sign 0.011 ± 0.002 χ^2/NDF : 1414.9/35

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

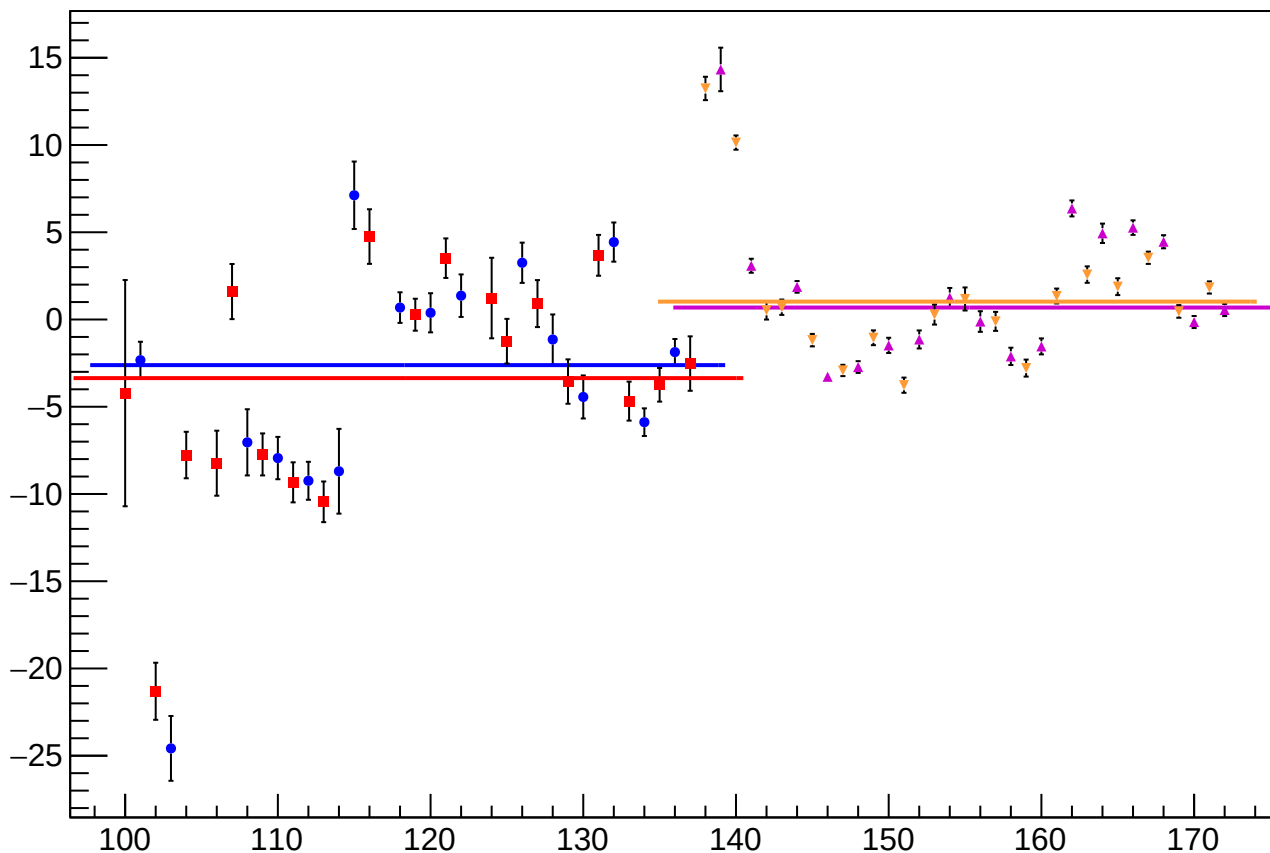
Left In: -14.229 ± 0.142 χ^2/NDF : 2647.1/16

+ sign -12.996 ± 0.127 χ^2/NDF : 3675.9/33

All: -12.353 ± 0.089 χ^2/NDF : 8312.2/69

- sign -11.733 ± 0.125 χ^2/NDF : 4585.8/35

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



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

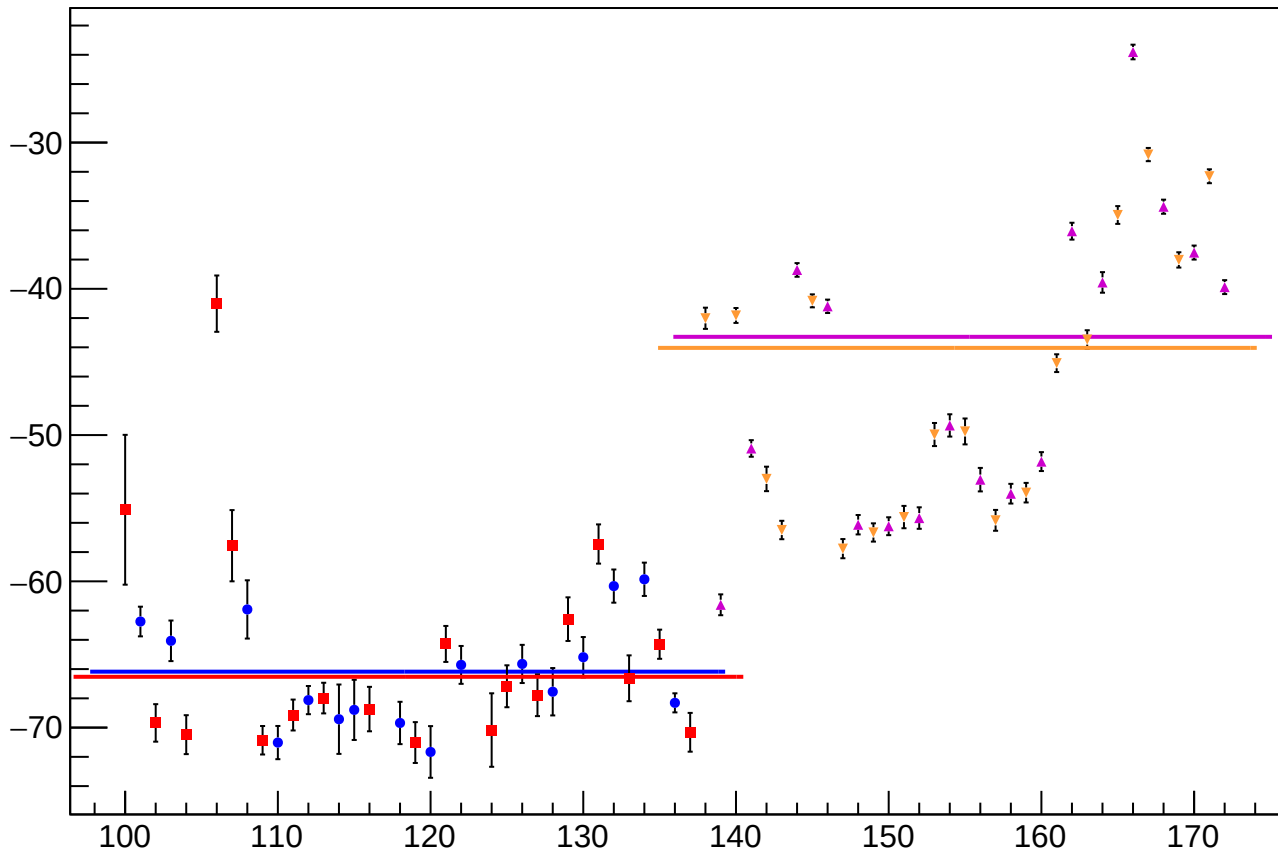
Left In: 0.685 ± 0.101 χ^2/NDF : 1001.5/16

+ sign 0.614 ± 0.096 χ^2/NDF : 1797.7/33

All: 0.442 ± 0.068 χ^2/NDF : 3329.7/69

- sign 0.272 ± 0.096 χ^2/NDF : 1525.7/35

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



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

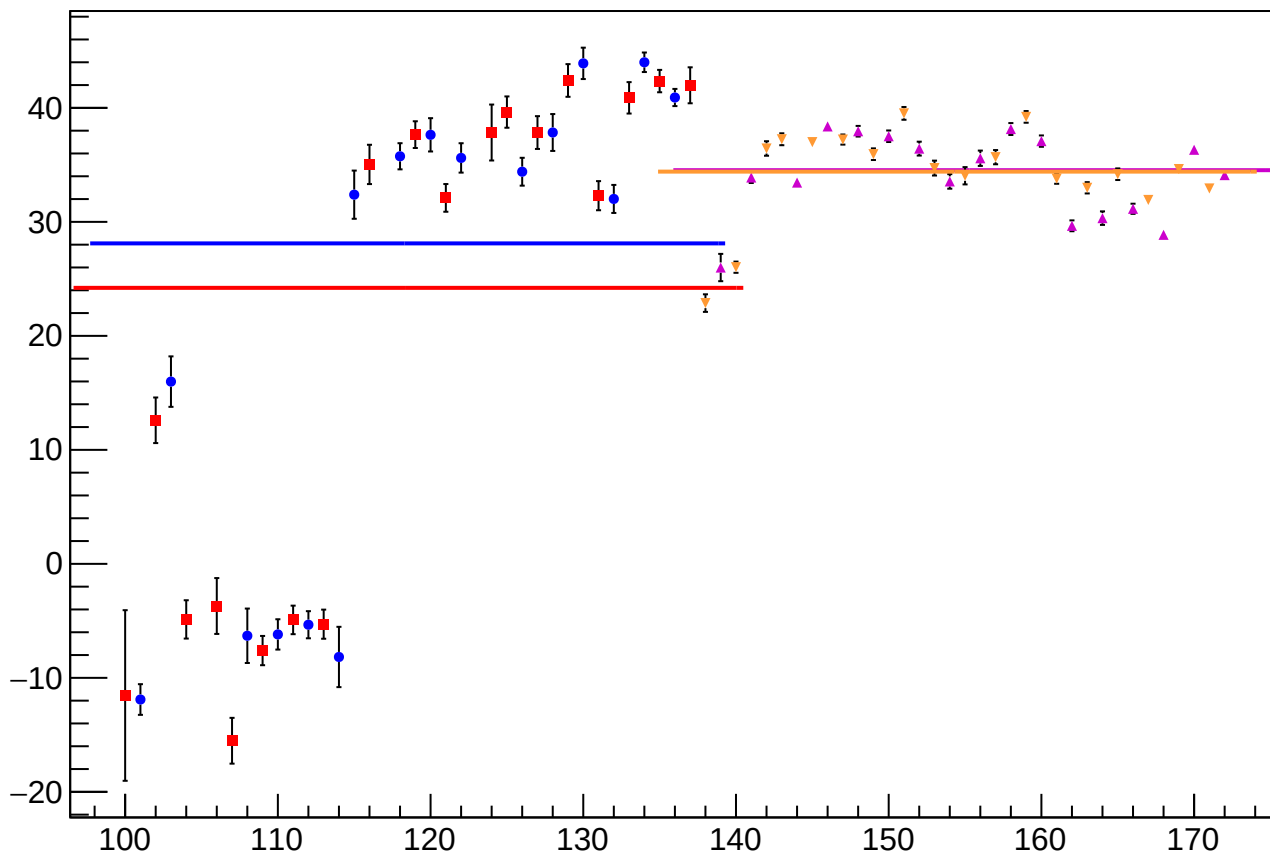
Left In: -43.283 ± 0.140 χ^2/NDF : 4937.1/16

+ sign -48.018 ± 0.129 χ^2/NDF : 8543.8/33

All: -47.584 ± 0.091 χ^2/NDF : 18435.5/69

- sign -47.159 ± 0.128 χ^2/NDF : 9869.3/35

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.112 $\pm$ 0.320 χ^2 /NDF: 3727.7/15

Left Out: 34.409 $\pm$ 0.117 χ^2 /NDF: 884.6/17

Right Out: 24.212 $\pm$ 0.336 χ^2 /NDF: 3841.7/18

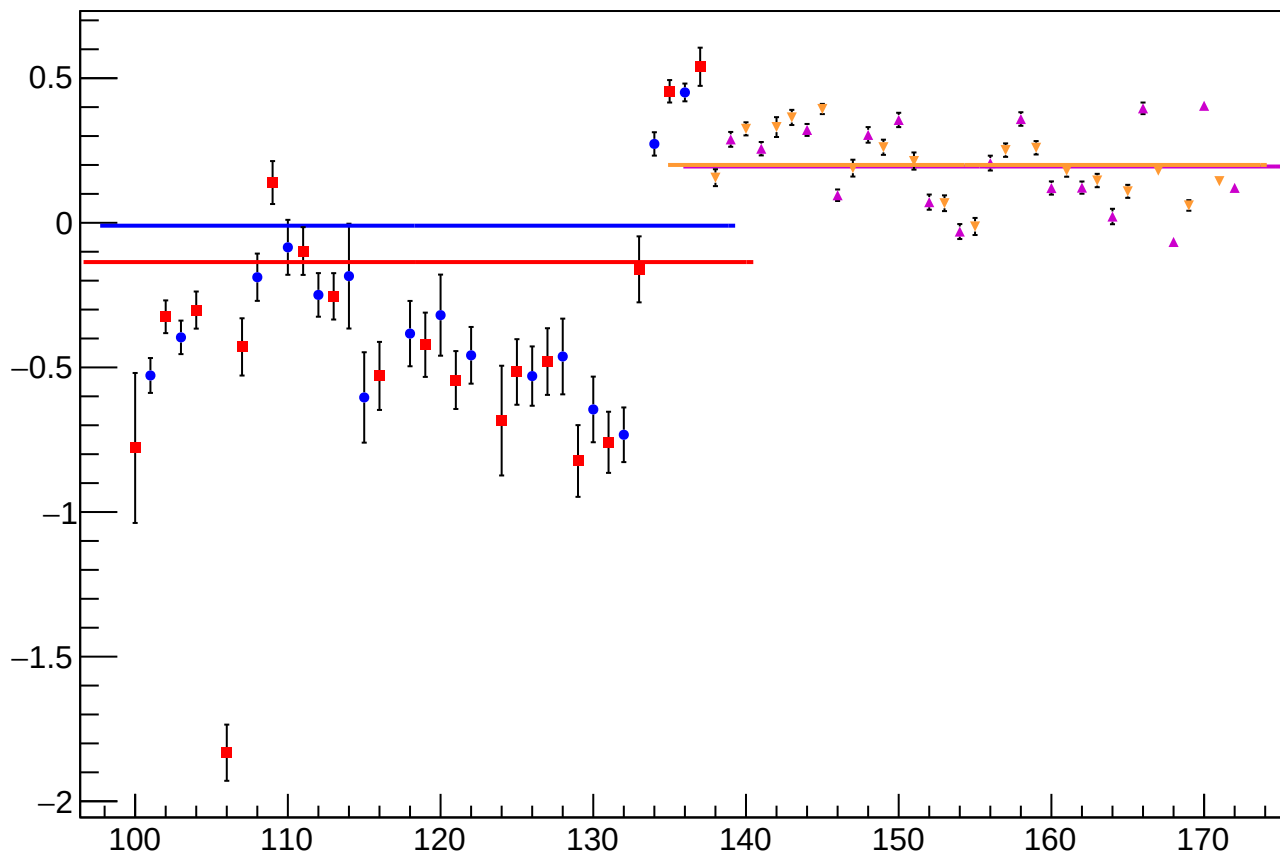
Left In: 34.534 $\pm$ 0.116 χ^2 /NDF: 759.8/16

+ sign 33.663 $\pm$ 0.110 χ^2 /NDF: 4953.7/33

All: 33.548 $\pm$ 0.078 χ^2 /NDF: 10402.6/69

- sign 33.435 $\pm$ 0.110 χ^2 /NDF: 5446.8/35

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

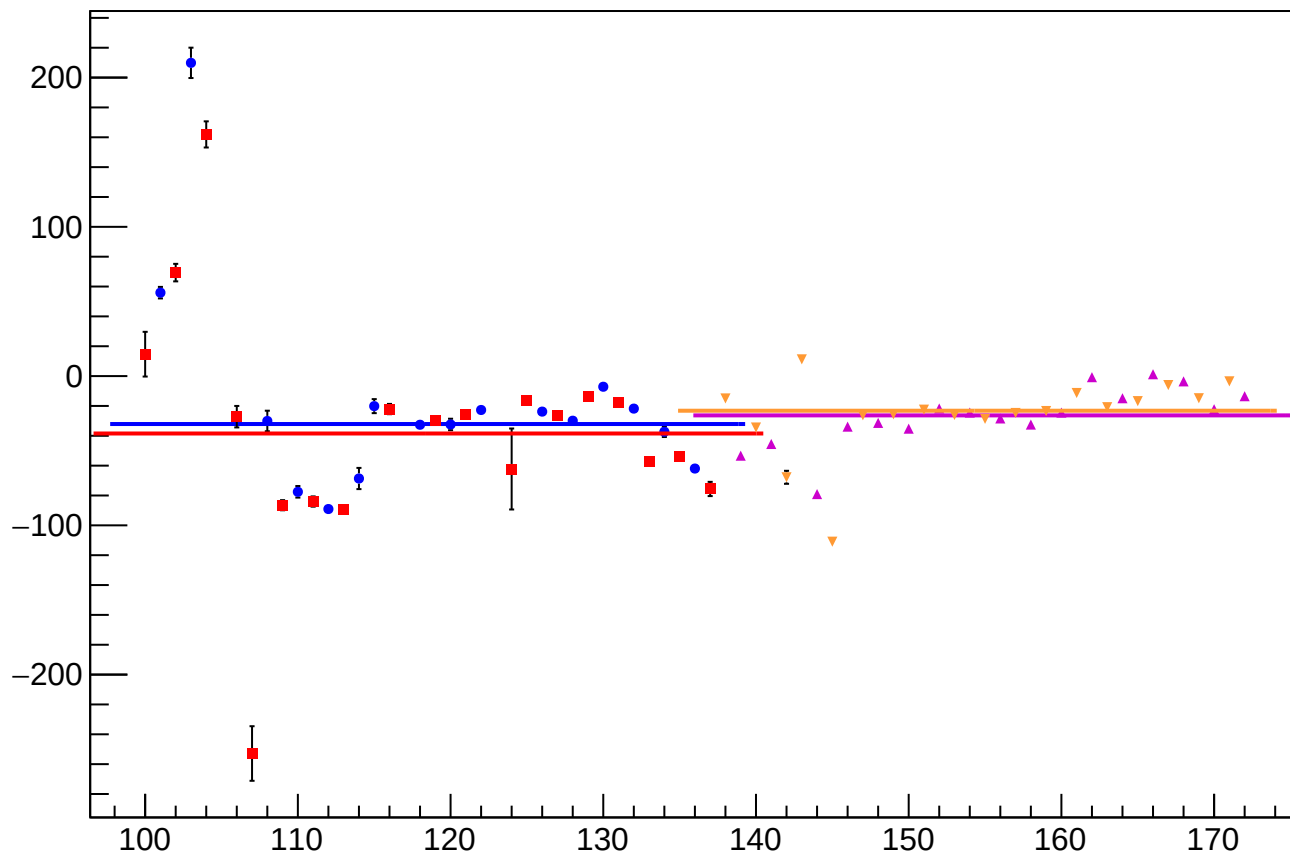
Left In: 0.195 ± 0.005 χ^2/NDF : 884.3/16

+ sign 0.182 ± 0.005 χ^2/NDF : 1116.2/33

All: 0.176 ± 0.004 χ^2/NDF : 3107.2/69

- sign 0.171 ± 0.005 χ^2/NDF : 1988.7/35

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -32.117 ± 0.843 $\chi^2/\text{NDF}: 1877.5/15$

Left Out: -23.201 ± 0.672 $\chi^2/\text{NDF}: 1139.8/17$

Right Out: -38.462 ± 0.864 $\chi^2/\text{NDF}: 1972.5/18$

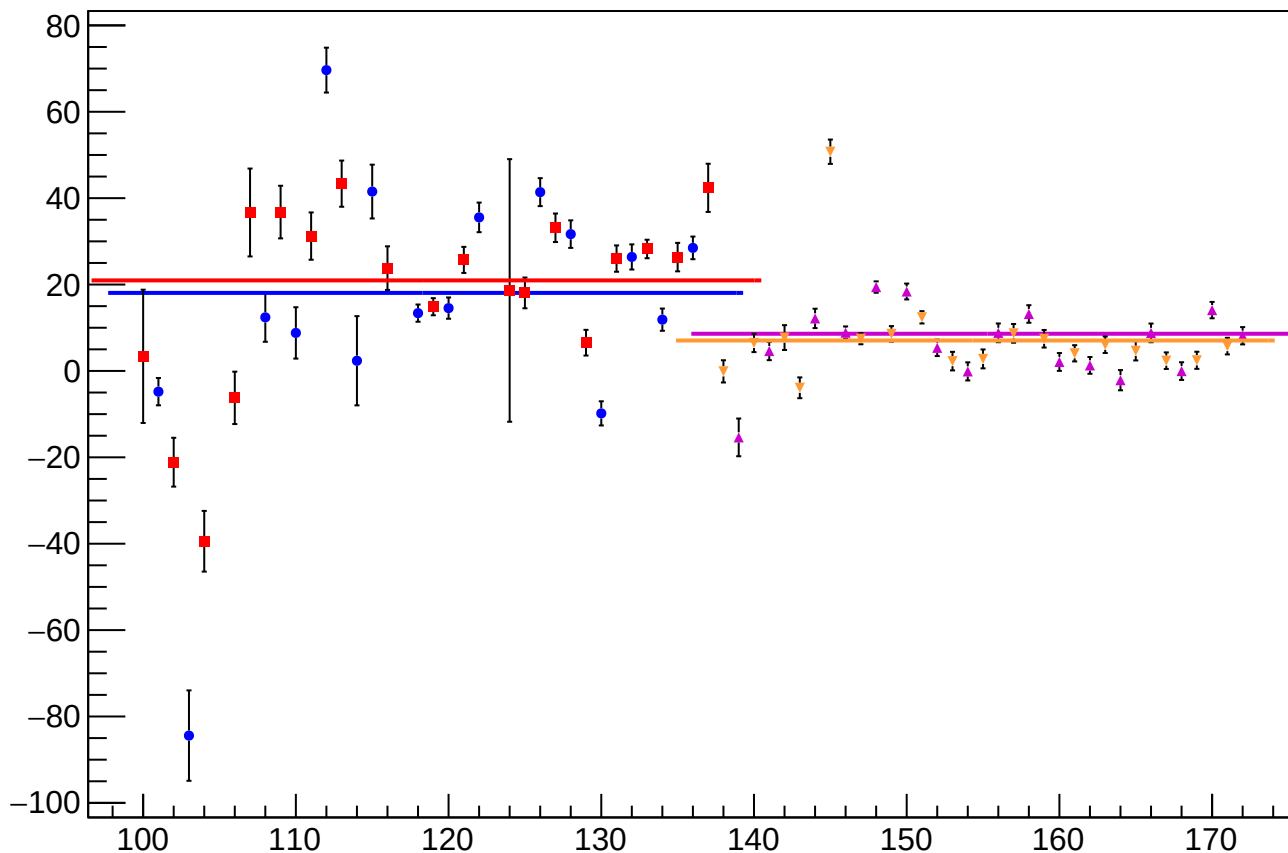
Left In: -26.327 ± 0.671 $\chi^2/\text{NDF}: 840.5/16$

+ sign -26.667 ± 0.525 $\chi^2/\text{NDF}: 3085.7/33$

All: -28.761 ± 0.373 $\chi^2/\text{NDF}: 6053.7/69$

- sign -30.893 ± 0.530 $\chi^2/\text{NDF}: 2935.9/35$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 18.068 $\pm$ 0.823 χ^2 /NDF: 499.6/15

Left Out: 7.046 $\pm$ 0.465 χ^2 /NDF: 309.3/17

Right Out: 20.959 $\pm$ 0.868 χ^2 /NDF: 262.6/18

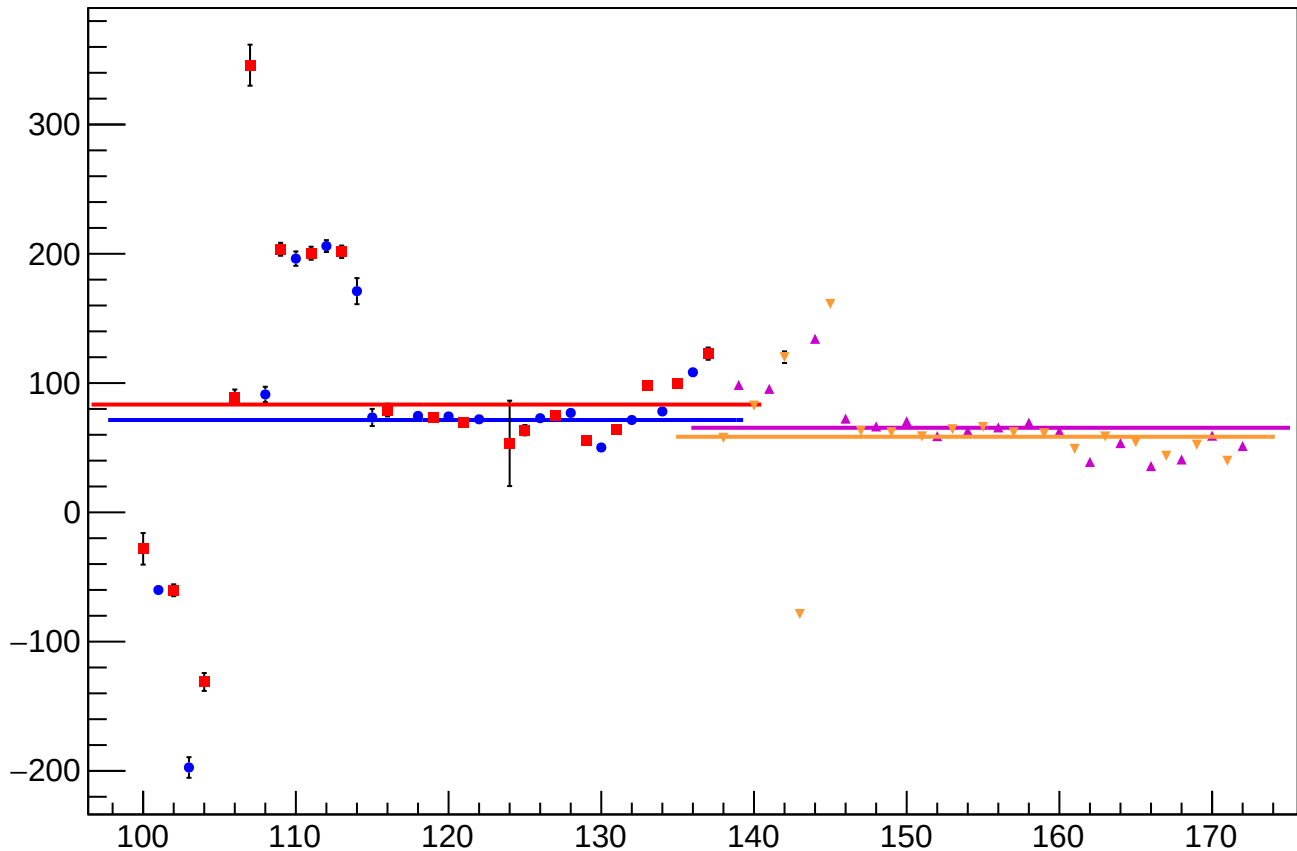
Left In: 8.609 $\pm$ 0.475 χ^2 /NDF: 228.7/16

+ sign 9.715 $\pm$ 0.405 χ^2 /NDF: 944.9/33

All: 10.558 $\pm$ 0.290 χ^2 /NDF: 1601.0/69

- sign 11.450 $\pm$ 0.417 χ^2 /NDF: 647.1/35

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 71.421 ± 0.931 $\chi^2/\text{NDF}: 4819.6/15$

Left Out: 58.471 ± 0.657 $\chi^2/\text{NDF}: 3026.6/17$

Right Out: 83.385 ± 0.985 $\chi^2/\text{NDF}: 4297.3/18$

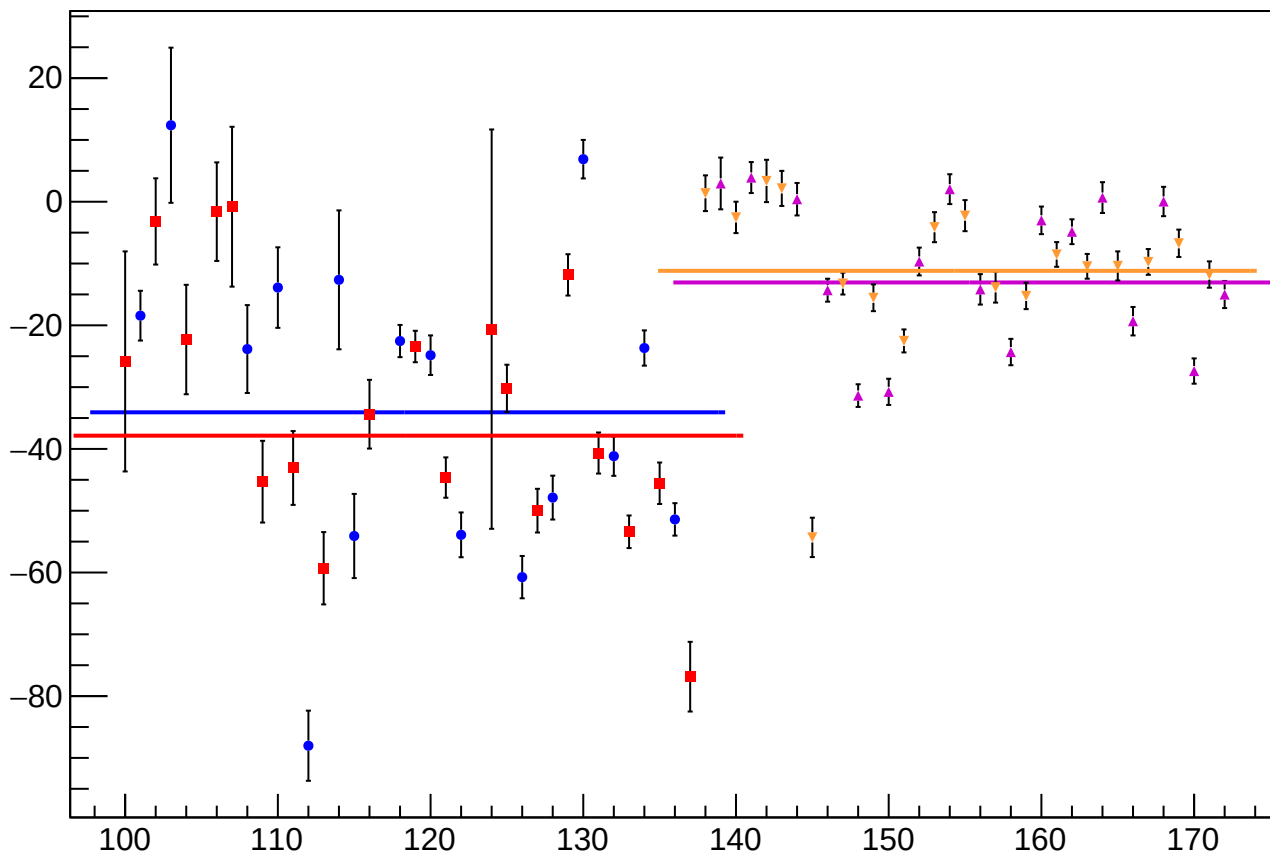
Left In: 65.428 ± 0.655 $\chi^2/\text{NDF}: 1169.6/16$

+ sign 62.774 ± 0.537 $\chi^2/\text{NDF}: 7975.3/33$

All: 66.788 ± 0.383 $\chi^2/\text{NDF}: 13786.3/69$

- sign 70.934 ± 0.546 $\chi^2/\text{NDF}: 5697.3/35$

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

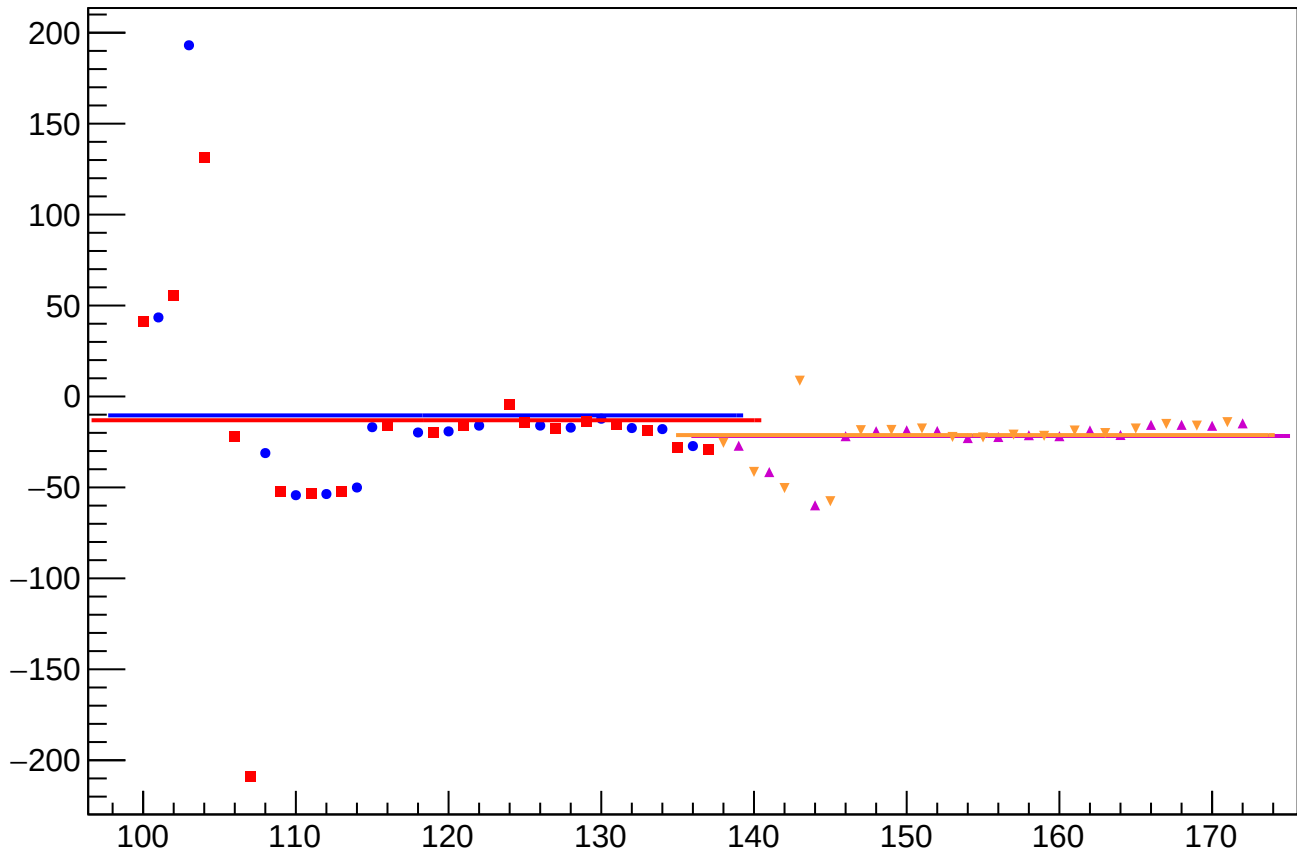
Left In: -13.063±/0.547 χ^2/NDF : 480.7/16

+ sign -16.819±/0.468 χ^2/NDF : 1285.2/33

All: -17.796±/0.335 χ^2/NDF : 2527.3/69

- sign -18.823±/0.479 χ^2/NDF : 1233.1/35

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

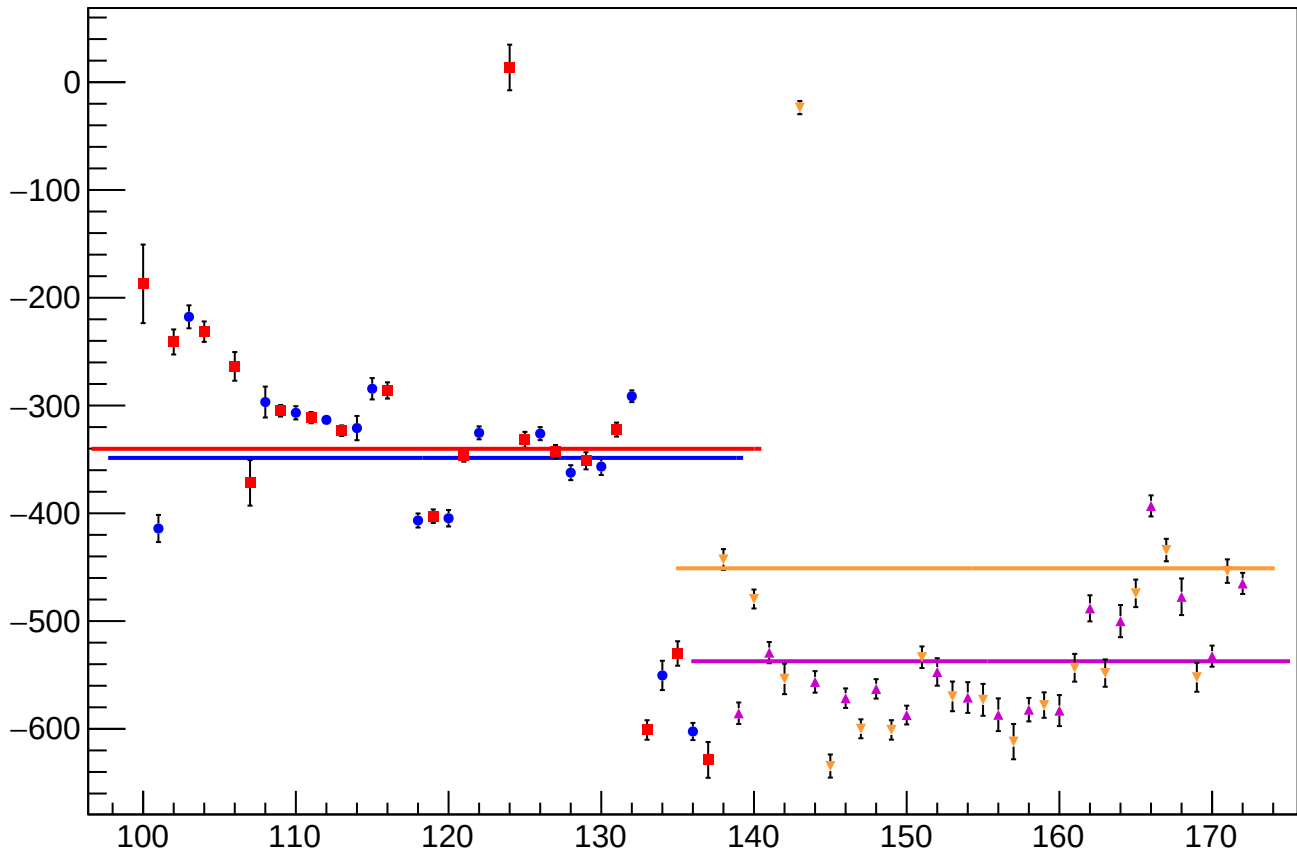
Left In: -21.728 ± 0.024 χ^2/NDF : 126120.0/16

+ sign -19.540 ± 0.022 χ^2/NDF : 754792.2/33

All: -20.069 ± 0.016 χ^2/NDF : 1348258.7/69

- sign -20.604 ± 0.023 χ^2/NDF : 592349.6/35

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

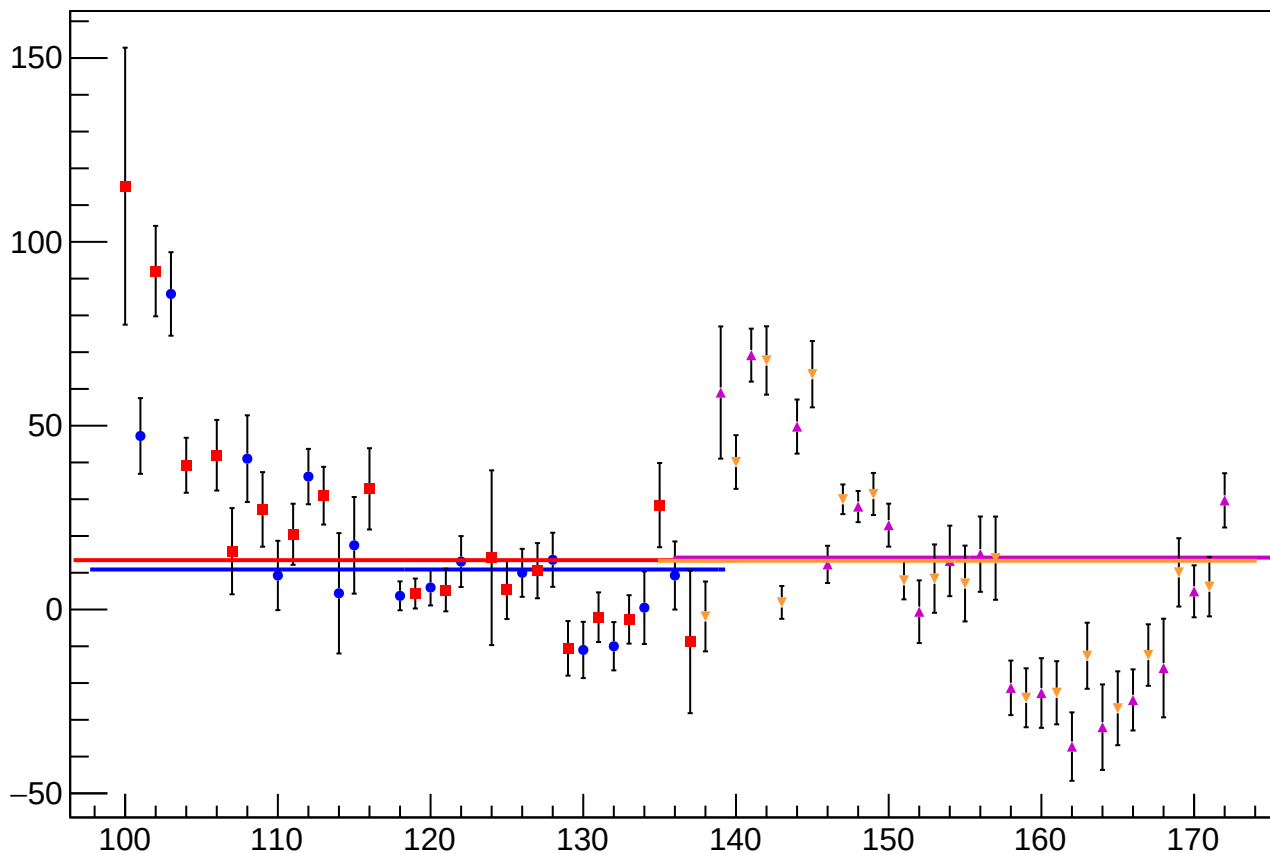
Left In: -537.263 ± 2.647 χ^2/NDF : 434.4/16

+ sign -384.396 ± 1.472 χ^2/NDF : 9351.2/33

All: -392.508 ± 1.038 χ^2/NDF : 15889.8/69

- sign -400.550 ± 1.465 χ^2/NDF : 6478.1/35

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

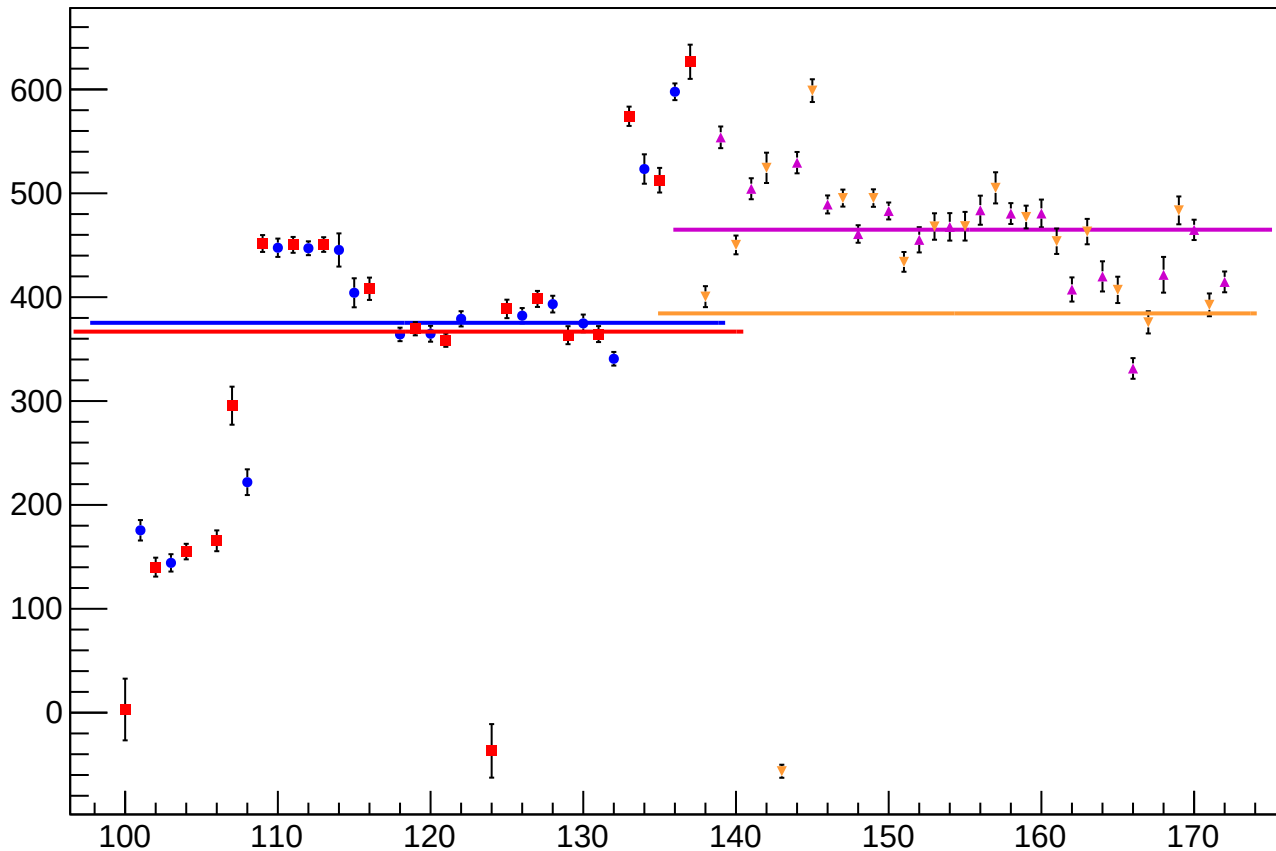
Left In: 14.120 ± 1.809 χ^2/NDF : 221.3/16

+ sign 12.183 ± 1.241 χ^2/NDF : 290.2/33

All: 12.949 ± 0.896 χ^2/NDF : 624.7/69

- sign 13.782 ± 1.295 χ^2/NDF : 333.8/35

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

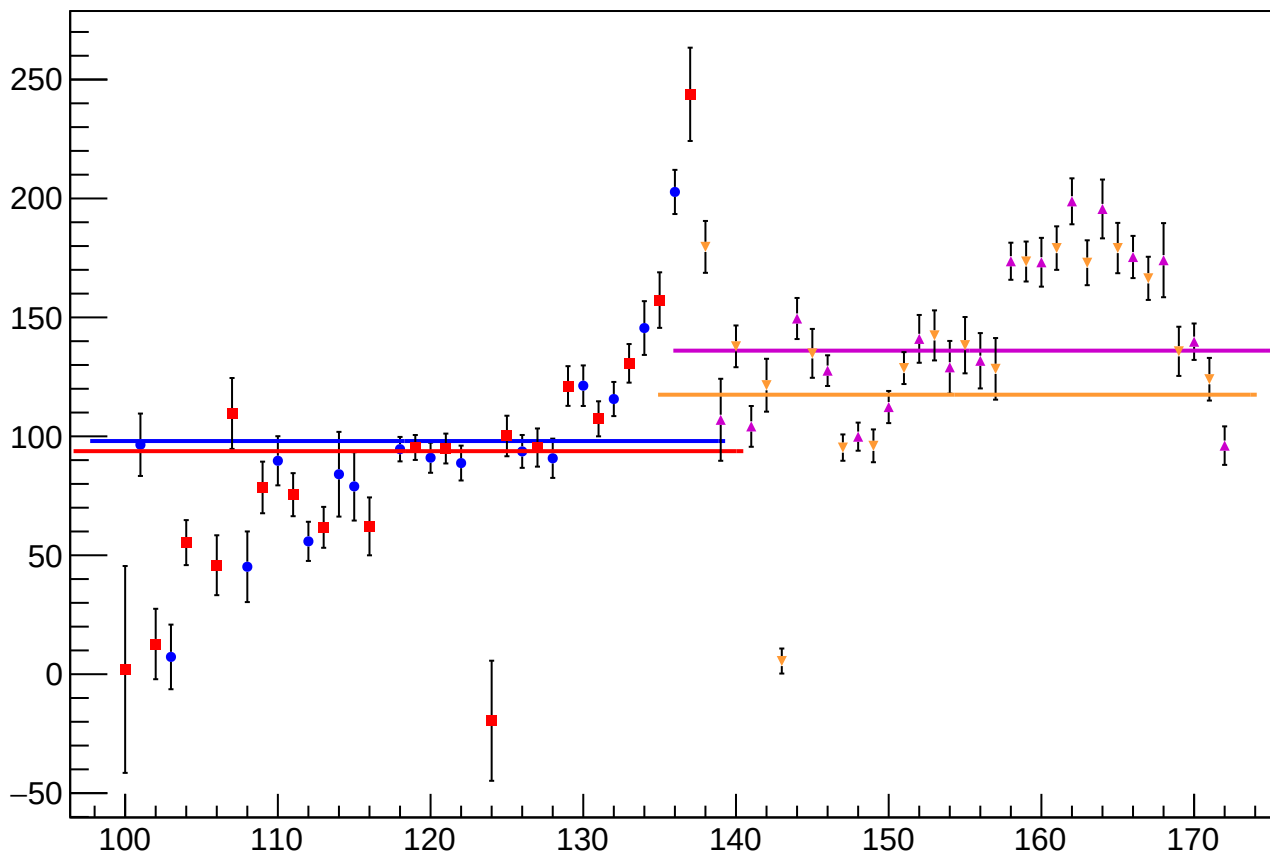
Left In: 464.961 ± 2.582 χ^2/NDF : 392.4/16

+ sign 379.166 ± 1.595 χ^2/NDF : 8622.7/33

All: 391.883 ± 1.132 χ^2/NDF : 13570.2/69

- sign 404.759 ± 1.605 χ^2/NDF : 4819.6/35

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.021 $\pm$ 2.144 χ^2/NDF : 249.5/15

Left Out: 117.505 $\pm$ 1.987 χ^2/NDF : 722.5/17

Right Out: 93.771 $\pm$ 2.138 χ^2/NDF : 237.1/18

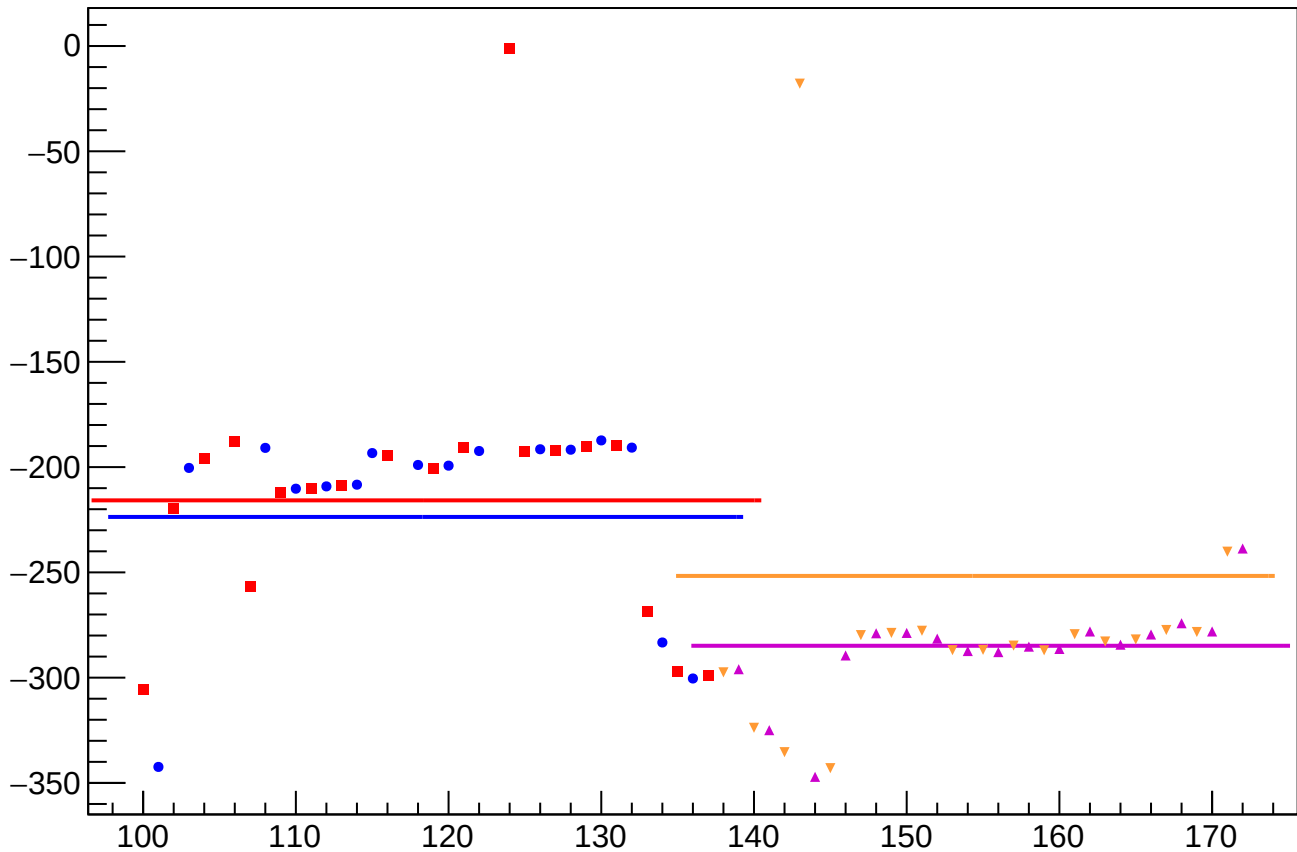
Left In: 136.027 $\pm$ 2.119 χ^2/NDF : 223.4/16

+ sign 108.504 $\pm$ 1.457 χ^2/NDF : 1016.4/33

All: 111.692 $\pm$ 1.047 χ^2/NDF : 1683.9/69

- sign 115.093 $\pm$ 1.505 χ^2/NDF : 657.5/35

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

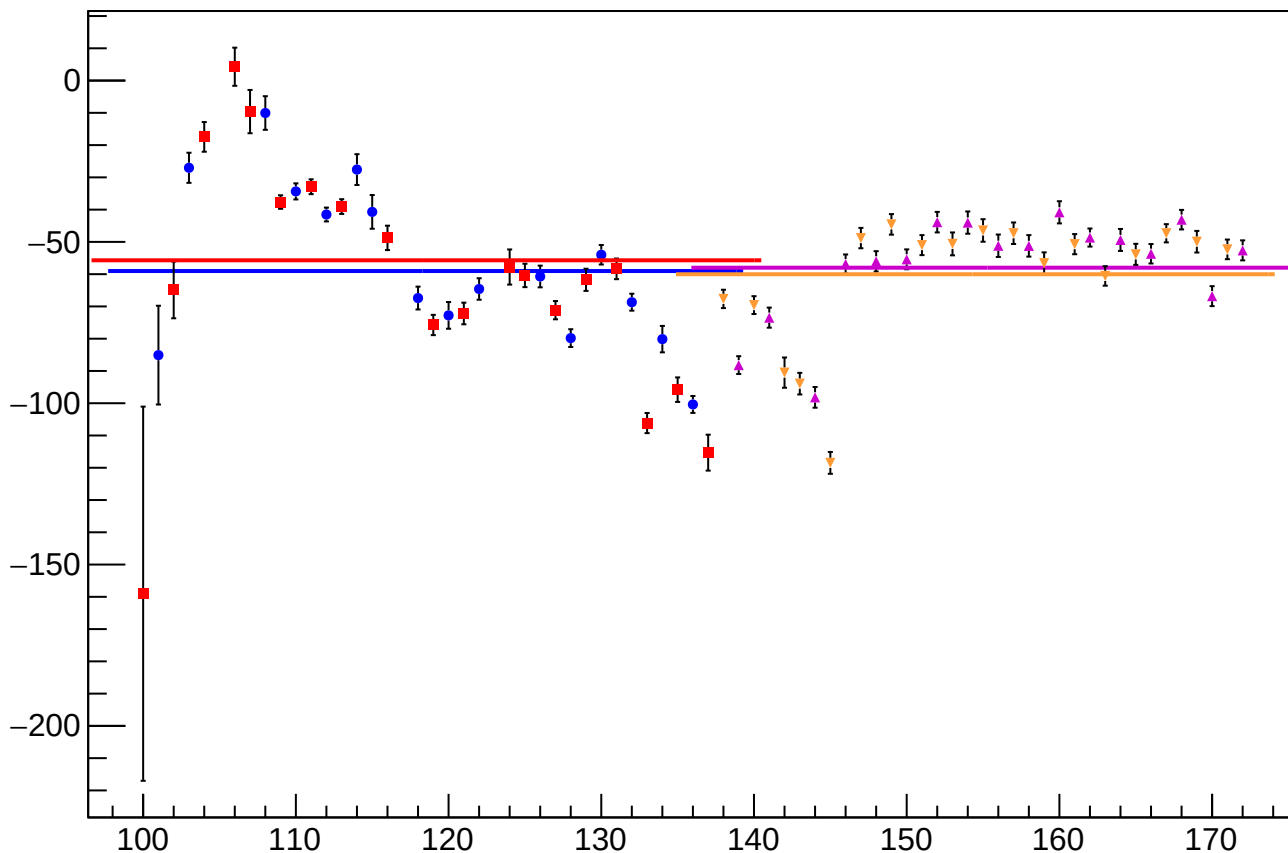
Left In: -284.858 ± 0.097 χ^2/NDF : 48705.4/16

+ sign -242.751 ± 0.078 χ^2/NDF : 1121921.0/33

All: -251.799 ± 0.055 χ^2/NDF : 1452491.3/69

- sign -261.034 ± 0.079 χ^2/NDF : 303434.9/35

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -59.030 $\pm$ 0.829 χ^2/NDF : 727.3/15

Left Out: -60.026 $\pm$ 0.756 χ^2/NDF : 592.3/17

Right Out: -55.701 $\pm$ 0.790 χ^2/NDF : 1041.1/18

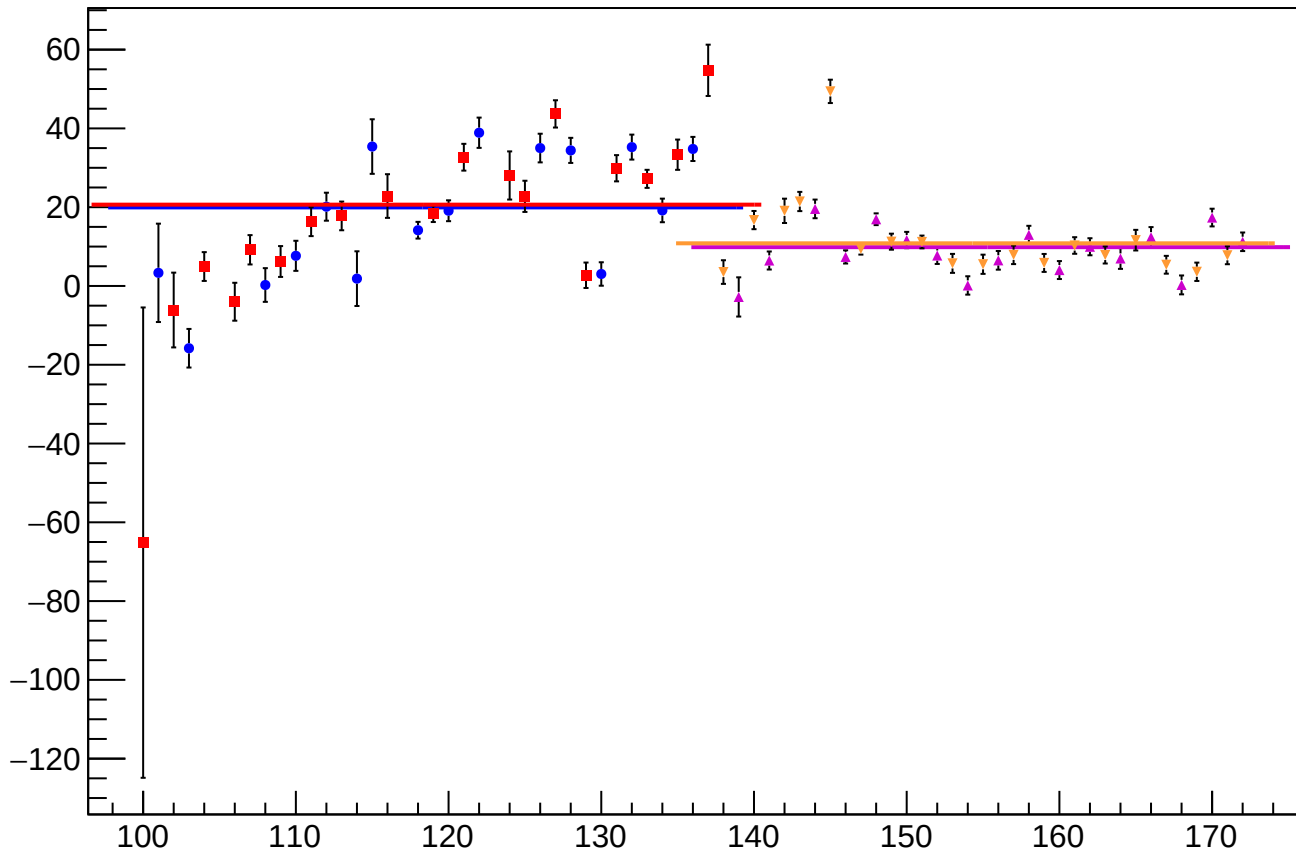
Left In: -57.997 $\pm$ 0.760 χ^2/NDF : 426.5/16

+ sign -59.574 $\pm$ 0.559 χ^2/NDF : 1320.4/33

All: -58.206 $\pm$ 0.391 χ^2/NDF : 2804.2/69

- sign -56.893 $\pm$ 0.548 χ^2/NDF : 1472.1/35

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.946 $\pm$ 0.867 χ^2 /NDF: 247.2/15

Left Out: 10.828 $\pm$ 0.523 χ^2 /NDF: 243.6/17

Right Out: 20.643 $\pm$ 0.844 χ^2 /NDF: 224.8/18

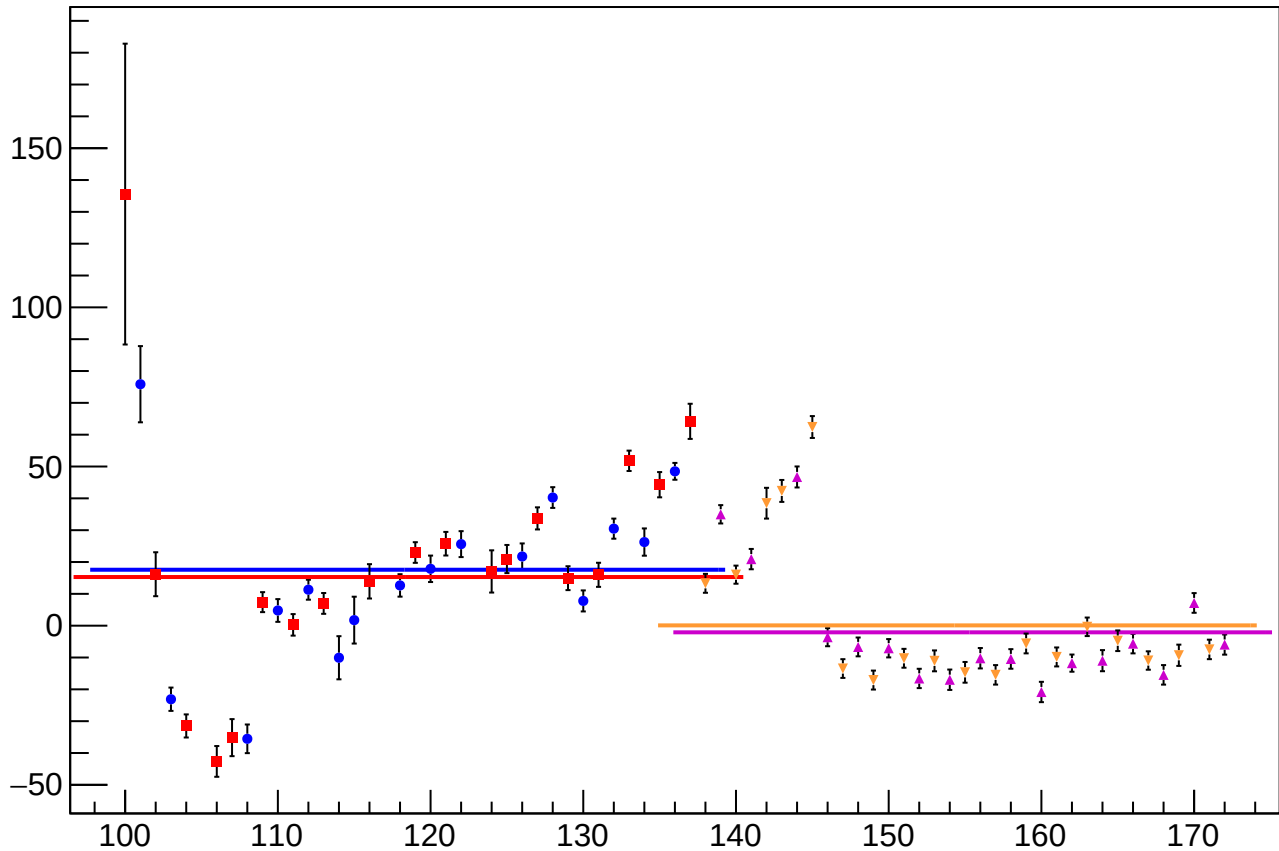
Left In: 9.852 $\pm$ 0.537 χ^2 /NDF: 109.4/16

+ sign 13.261 $\pm$ 0.448 χ^2 /NDF: 571.8/33

All: 13.112 $\pm$ 0.318 χ^2 /NDF: 1022.6/69

- sign 12.960 $\pm$ 0.453 χ^2 /NDF: 450.6/35

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

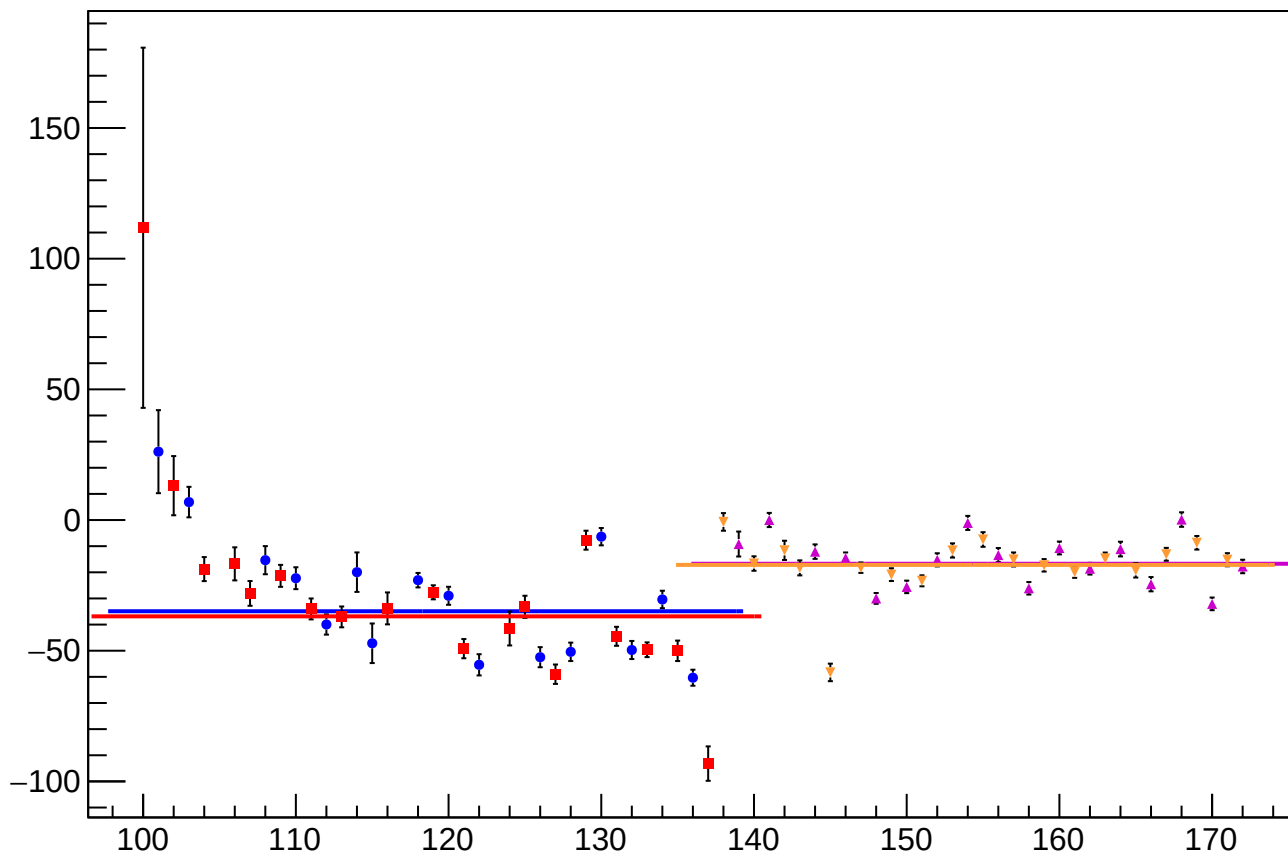
Left In: -2.090 ± 0.741 χ^2/NDF : 585.9/16

+ sign 6.628 ± 0.585 χ^2/NDF : 1518.8/33

All: 5.615 ± 0.412 χ^2/NDF : 3053.0/69

- sign 4.618 ± 0.580 χ^2/NDF : 1528.3/35

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

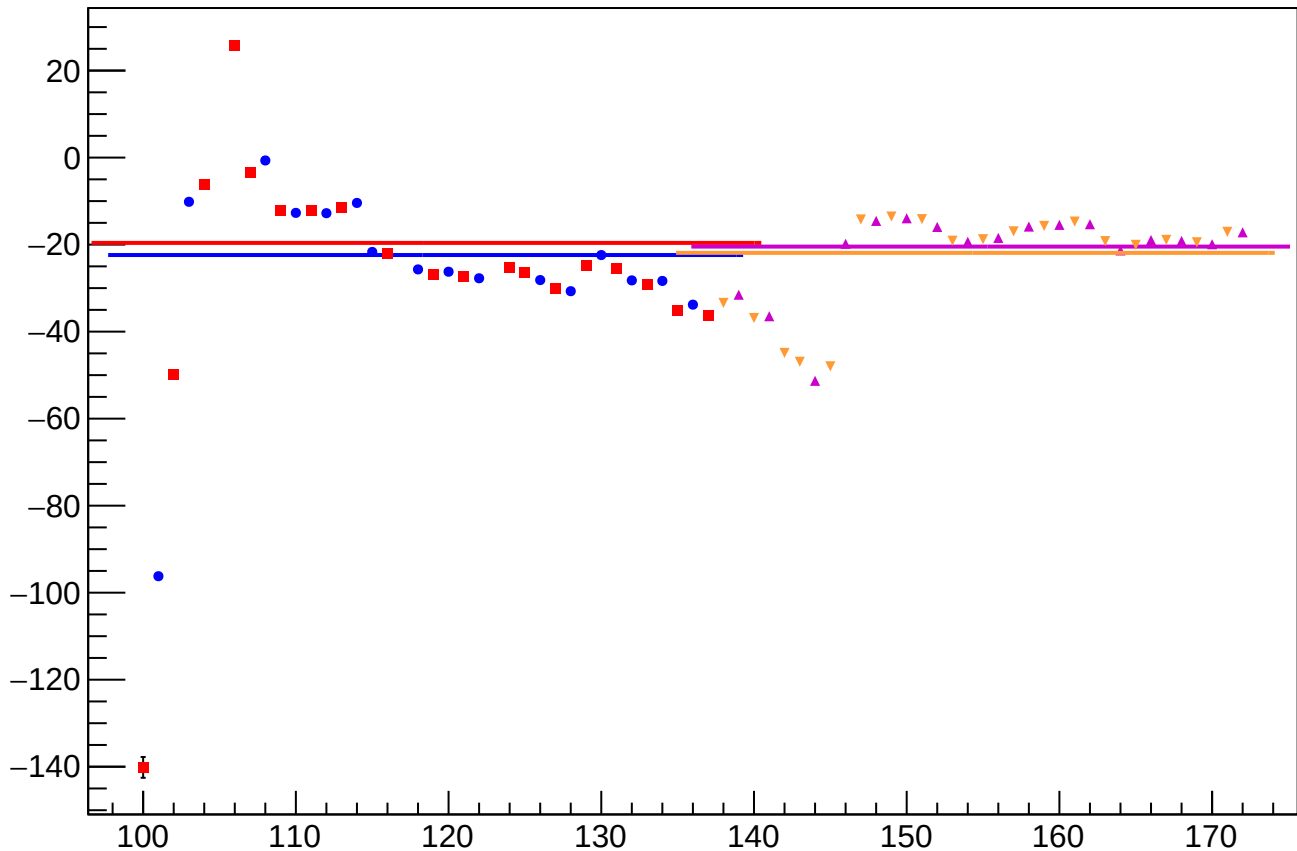
Left In: -16.728 ± 0.618 χ^2/NDF : 245.9/16

+ sign -22.001 ± 0.517 χ^2/NDF : 801.4/33

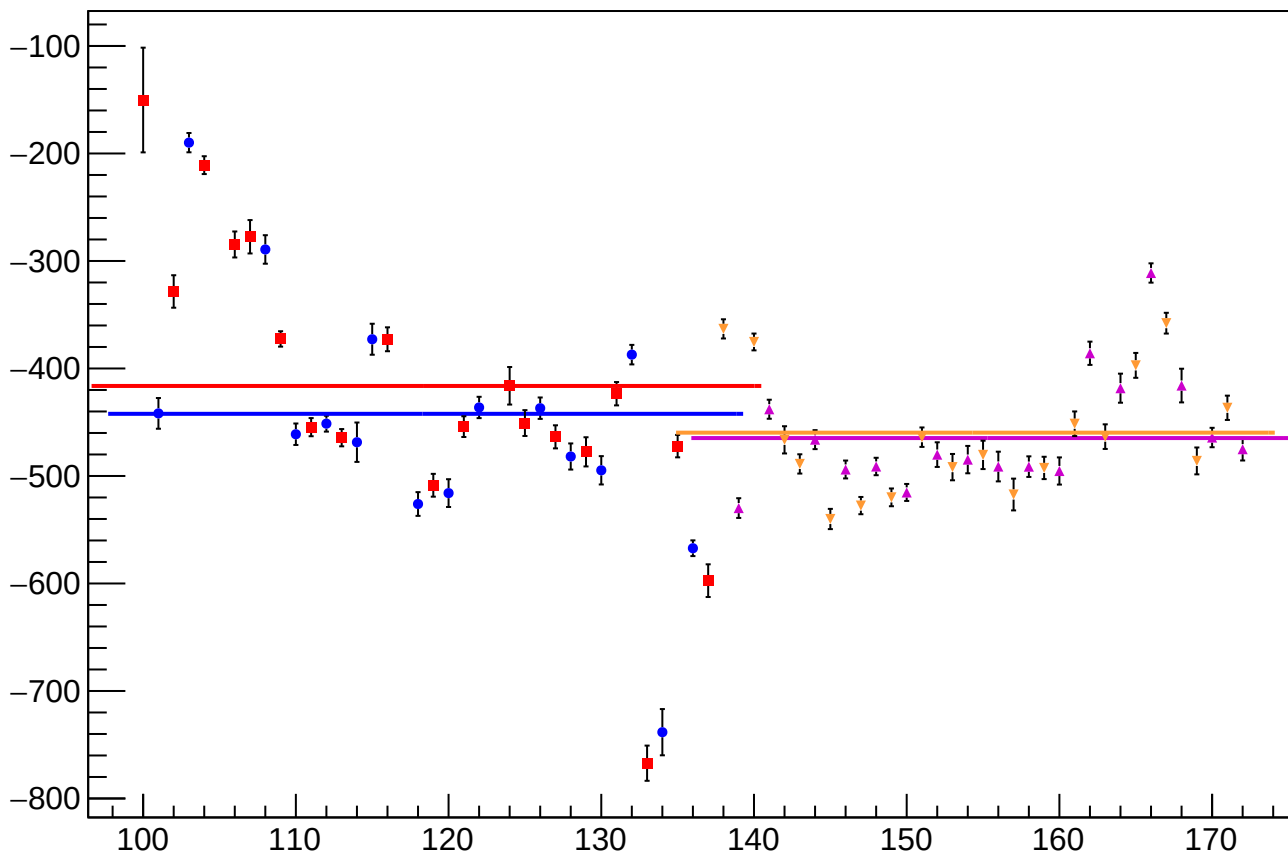
All: -22.271 ± 0.367 χ^2/NDF : 1655.6/69

- sign -22.546 ± 0.521 χ^2/NDF : 853.7/35

reg_asym_atr1_diff_bpm12X_slope vs Slug



reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -442.182 $\pm$ 2.682 χ^2 /NDF: 1589.1/15

Left Out: -459.696 $\pm$ 2.390 χ^2 /NDF: 625.5/17

Right Out: -416.259 $\pm$ 2.523 χ^2 /NDF: 1753.8/18

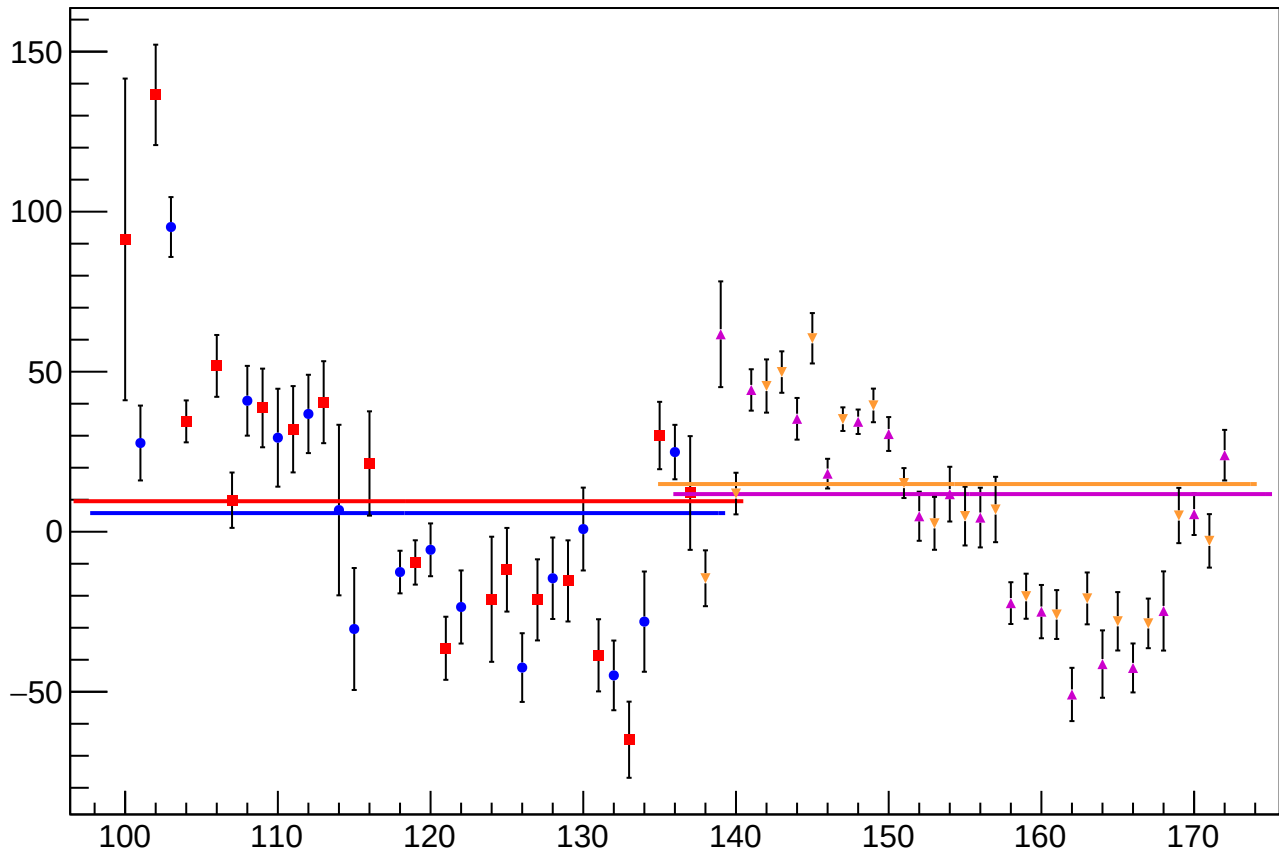
Left In: -464.736 $\pm$ 2.417 χ^2 /NDF: 513.3/16

+ sign -451.945 $\pm$ 1.784 χ^2 /NDF: 2238.4/33

All: -446.623 $\pm$ 1.248 χ^2 /NDF: 4715.5/69

- sign -441.530 $\pm$ 1.745 χ^2 /NDF: 2459.7/35

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

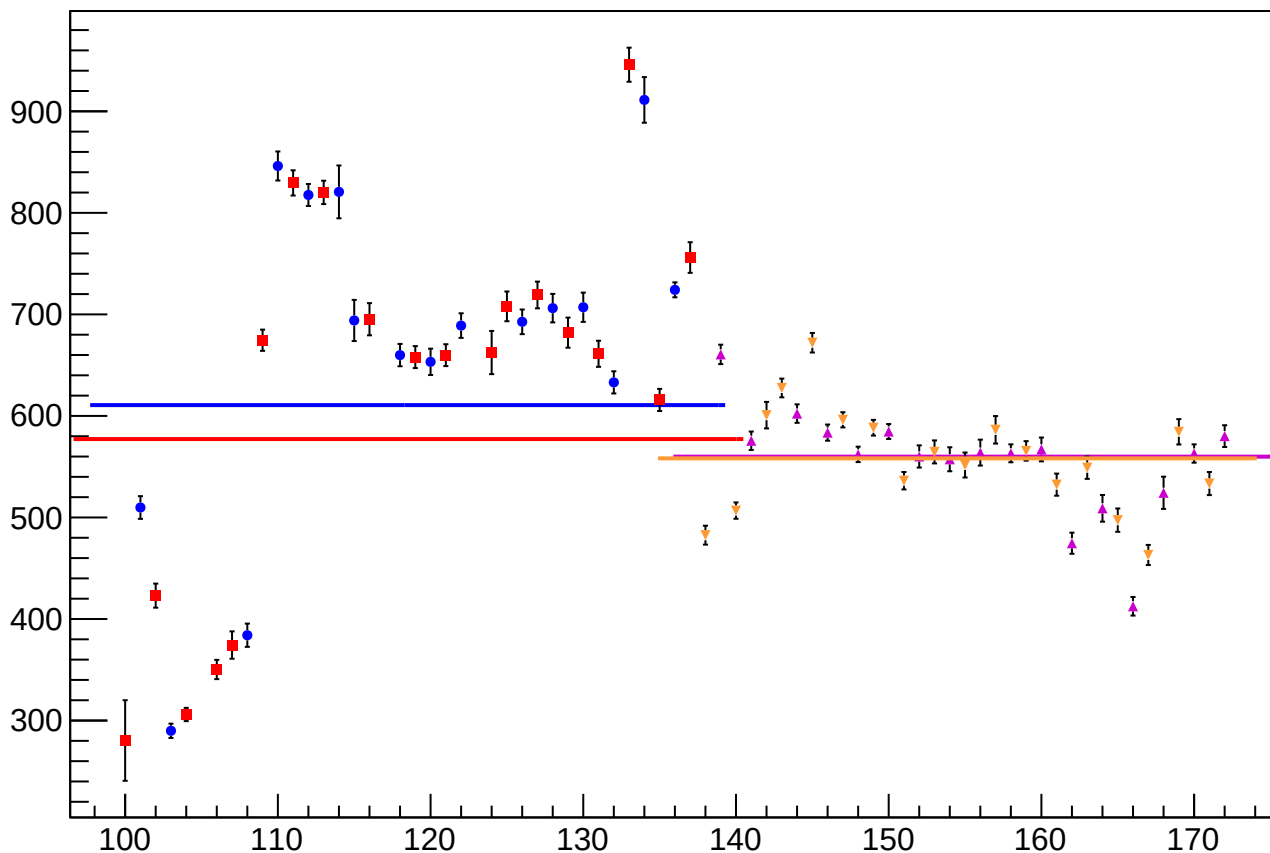
Left In: 11.760 ± 1.647 χ^2/NDF : 289.7/16

+ sign 12.580 ± 1.379 χ^2/NDF : 472.5/33

All: 11.847 ± 0.977 χ^2/NDF : 985.4/69

- sign 11.108 ± 1.384 χ^2/NDF : 512.4/35

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 610.665 ± 2.892 $\chi^2/\text{NDF}: 3892.6/15$

Left Out: 558.217 ± 2.339 $\chi^2/\text{NDF}: 502.6/17$

Right Out: 577.205 ± 2.755 $\chi^2/\text{NDF}: 4800.3/18$

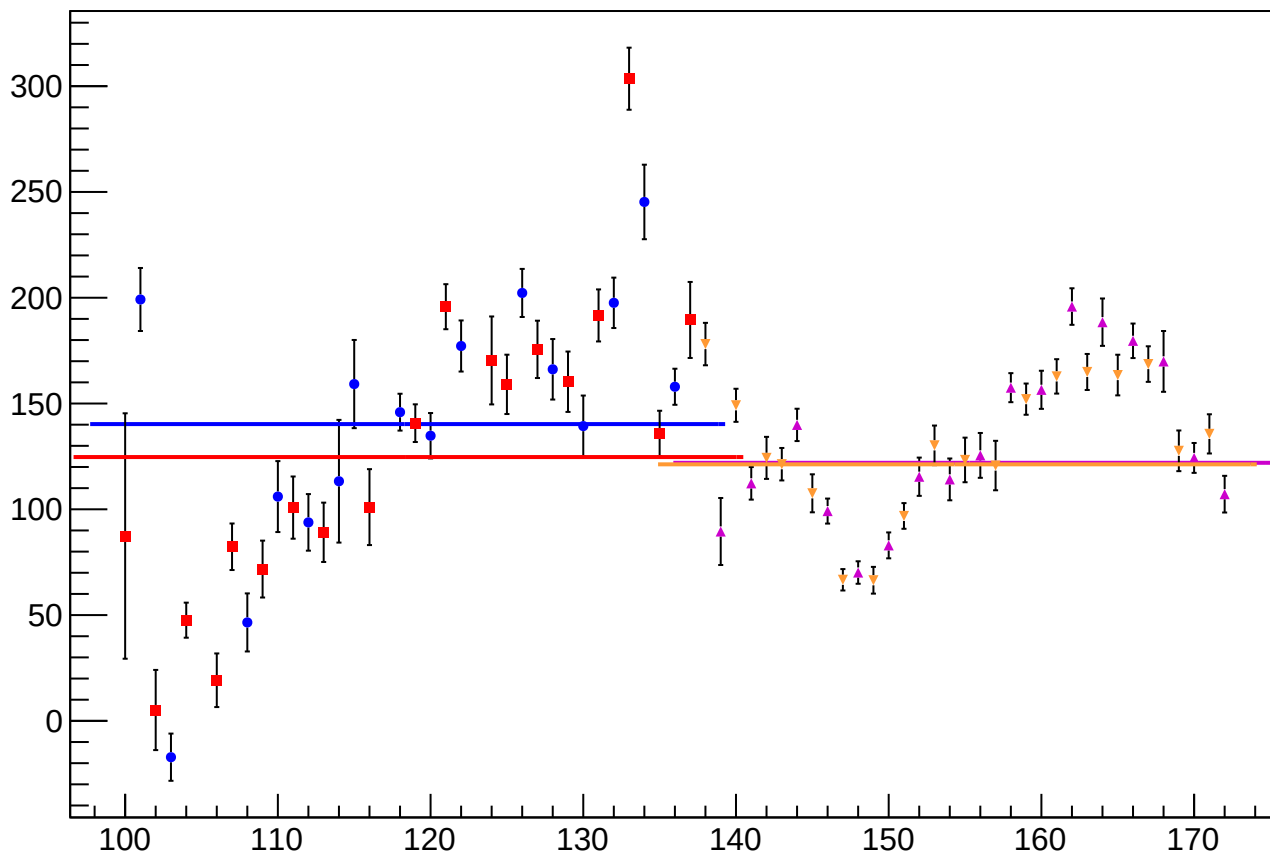
Left In: 559.914 ± 2.355 $\chi^2/\text{NDF}: 506.6/16$

+ sign 578.952 ± 1.819 $\chi^2/\text{NDF}: 4594.0/33$

All: 572.990 ± 1.276 $\chi^2/\text{NDF}: 9944.8/69$

- sign 567.213 ± 1.790 $\chi^2/\text{NDF}: 5329.6/35$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 140.278 $\pm$ 3.151 χ^2 /NDF: 385.4/15

Left Out: 121.252 $\pm$ 1.891 χ^2 /NDF:379.6/17

Right Out: 124.697 $\pm$ 2.979 χ^2 /NDF: 508.5/18

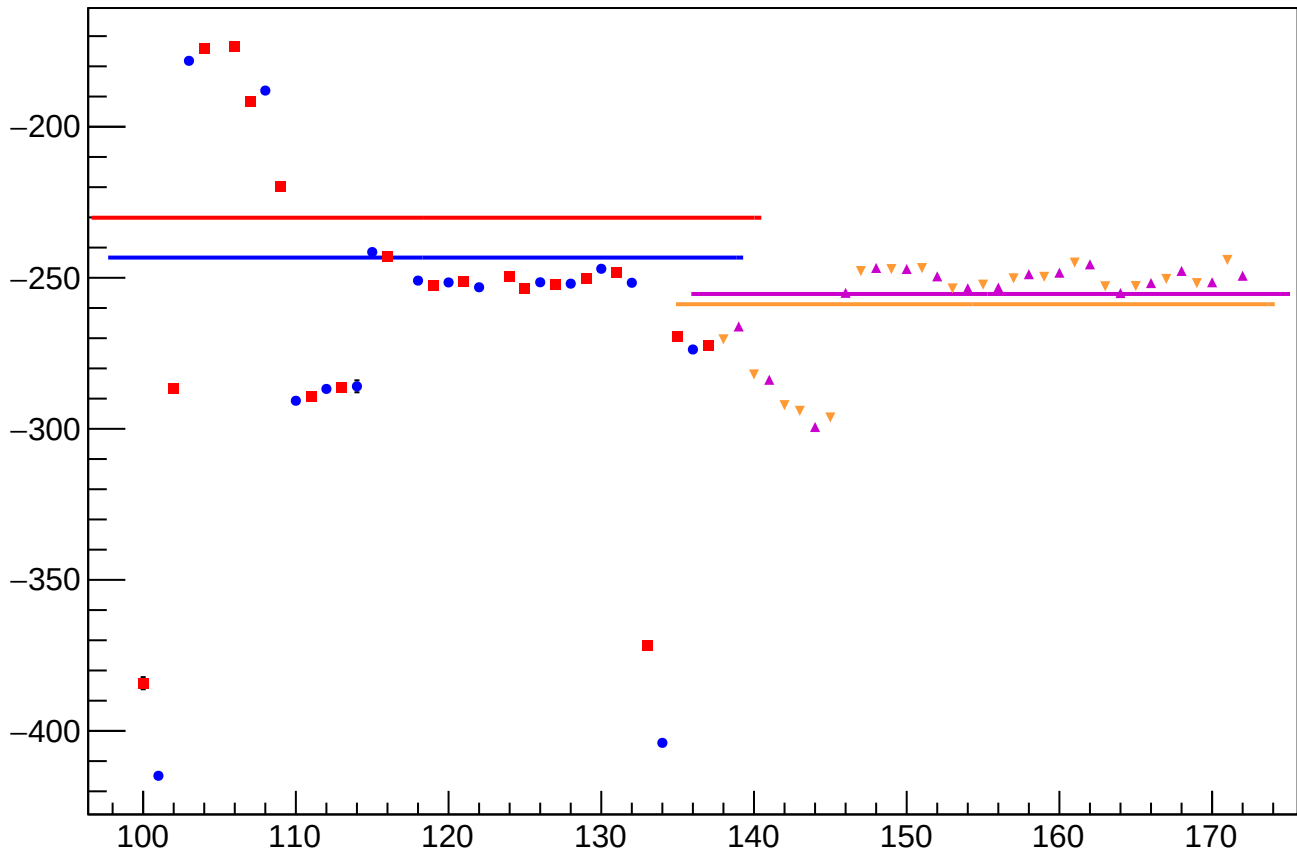
Left In: 121.981 $\pm$ 1.931 χ^2 /NDF:377.3/16

+ sign 126.291 $\pm$ 1.622 χ^2 /NDF: 791.8/33

All: 124.536 $\pm$ 1.146 χ^2 /NDF: 1680.5/69

- sign 122.785 $\pm$ 1.620 χ^2 /NDF: 886.4/35

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.308 ± 0.163 $\chi^2/\text{NDF}: 173487.9/15$

Left Out: -258.753 ± 0.090 $\chi^2/\text{NDF}: 36224.0/17$

Right Out: -230.109 ± 0.157 $\chi^2/\text{NDF}: 102451.2/18$

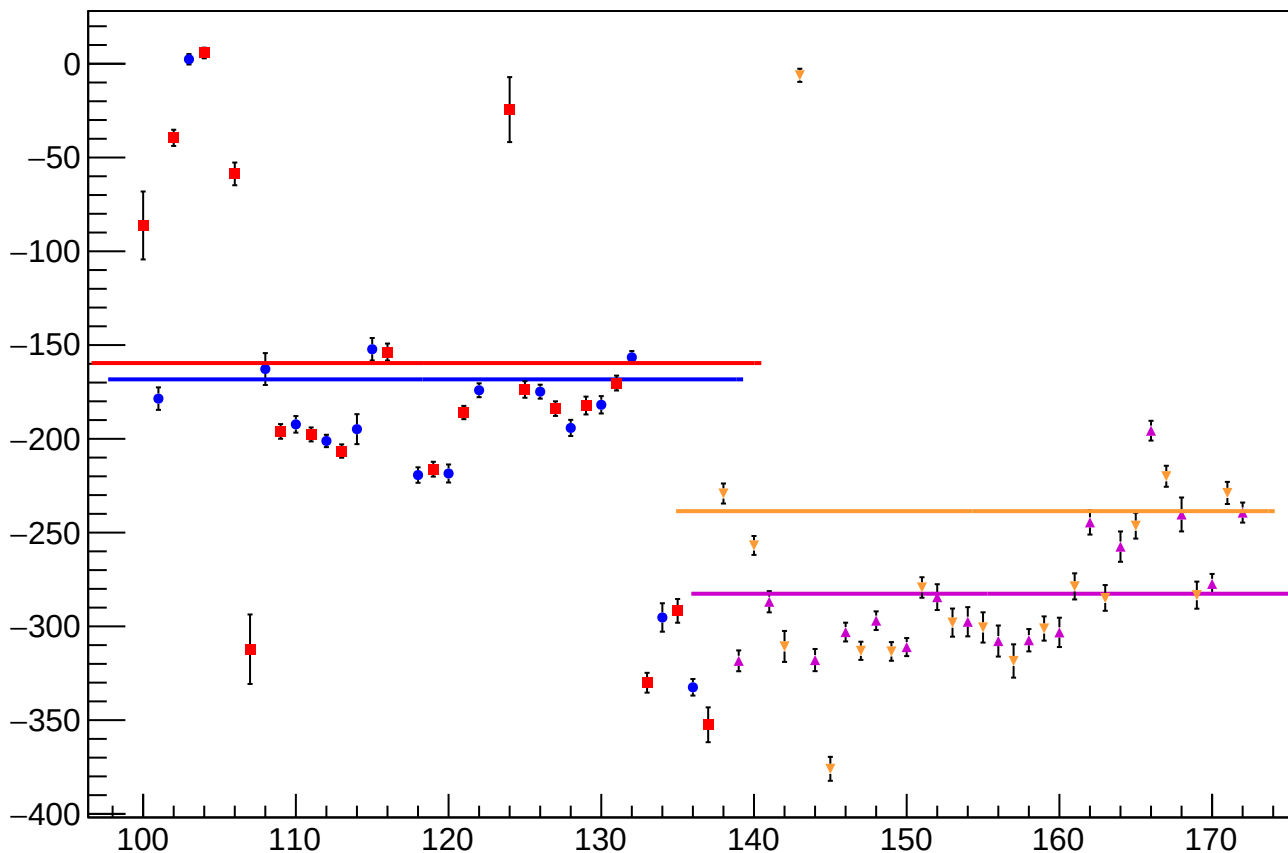
Left In: -255.353 ± 0.089 $\chi^2/\text{NDF}: 22437.3/16$

+ sign -255.134 ± 0.079 $\chi^2/\text{NDF}: 216628.3/33$

All: -252.138 ± 0.055 $\chi^2/\text{NDF}: 363866.3/69$

- sign -249.229 ± 0.078 $\chi^2/\text{NDF}: 144378.3/35$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -168.291 ± 1.076 $\chi^2/\text{NDF}: 5907.6/15$

Left Out: -238.558 ± 1.382 $\chi^2/\text{NDF}: 5887.7/17$

Right Out: -159.602 ± 1.042 $\chi^2/\text{NDF}: 7197.9/18$

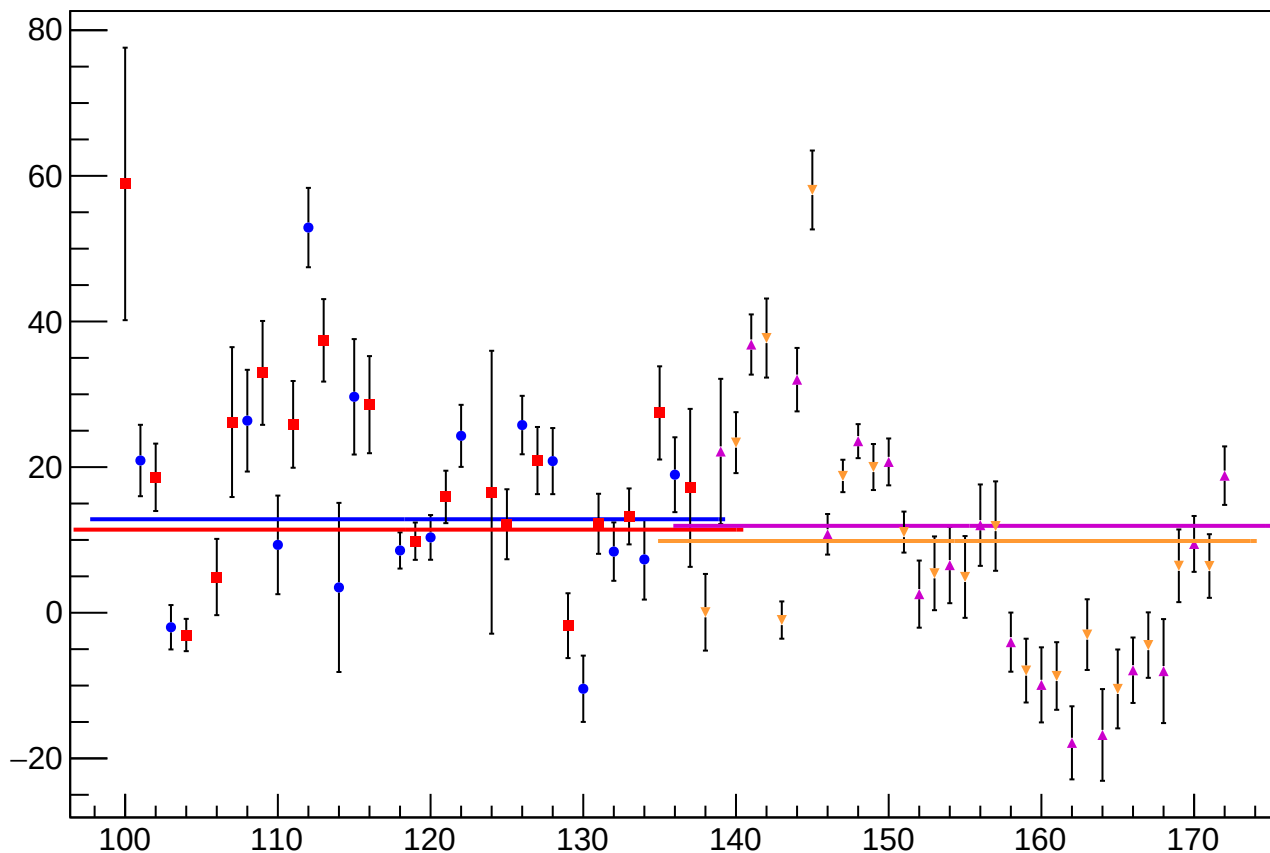
Left In: -282.591 ± 1.459 $\chi^2/\text{NDF}: 578.9/16$

+ sign -194.815 ± 0.849 $\chi^2/\text{NDF}: 13405.8/33$

All: -197.999 ± 0.600 $\chi^2/\text{NDF}: 25917.3/69$

- sign -201.178 ± 0.848 $\chi^2/\text{NDF}: 12483.4/35$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.842 ± 1.076 $\chi^2/\text{NDF}: 143.7/15$

Left Out: 9.853 ± 0.930 $\chi^2/\text{NDF}: 230.4/17$

Right Out: 11.414 ± 1.035 $\chi^2/\text{NDF}: 119.6/18$

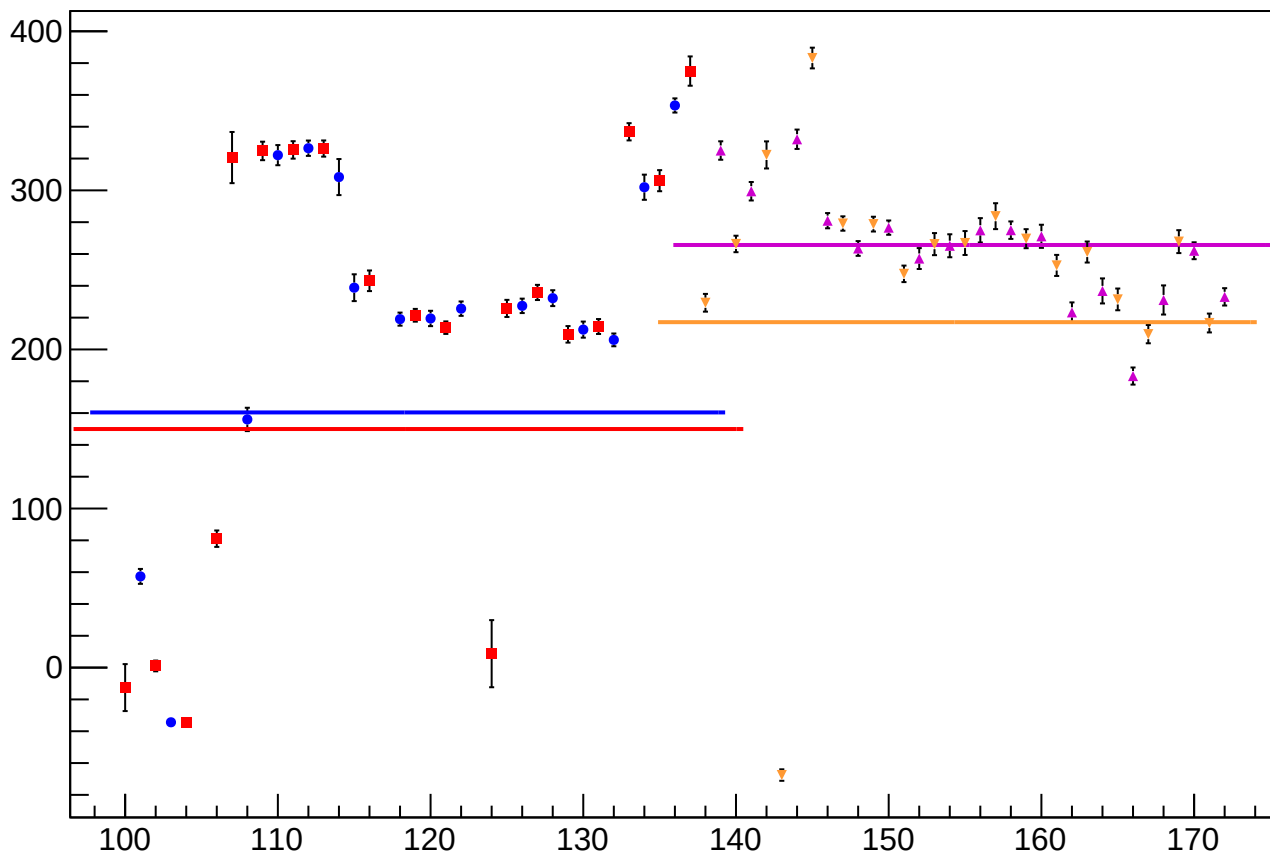
Left In: 11.935 ± 0.996 $\chi^2/\text{NDF}: 216.2/16$

+ sign 11.130 ± 0.704 $\chi^2/\text{NDF}: 378.6/33$

All: 11.402 ± 0.503 $\chi^2/\text{NDF}: 714.8/69$

- sign 11.684 ± 0.718 $\chi^2/\text{NDF}: 335.9/35$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 160.407 $\pm$ 1.139 χ^2 /NDF: 13949.8/15

Left Out: 217.151 $\pm$ 1.357 χ^2 /NDF: 7883.2/17

Right Out: 149.974 $\pm$ 1.107 χ^2 /NDF: 16265.2/18

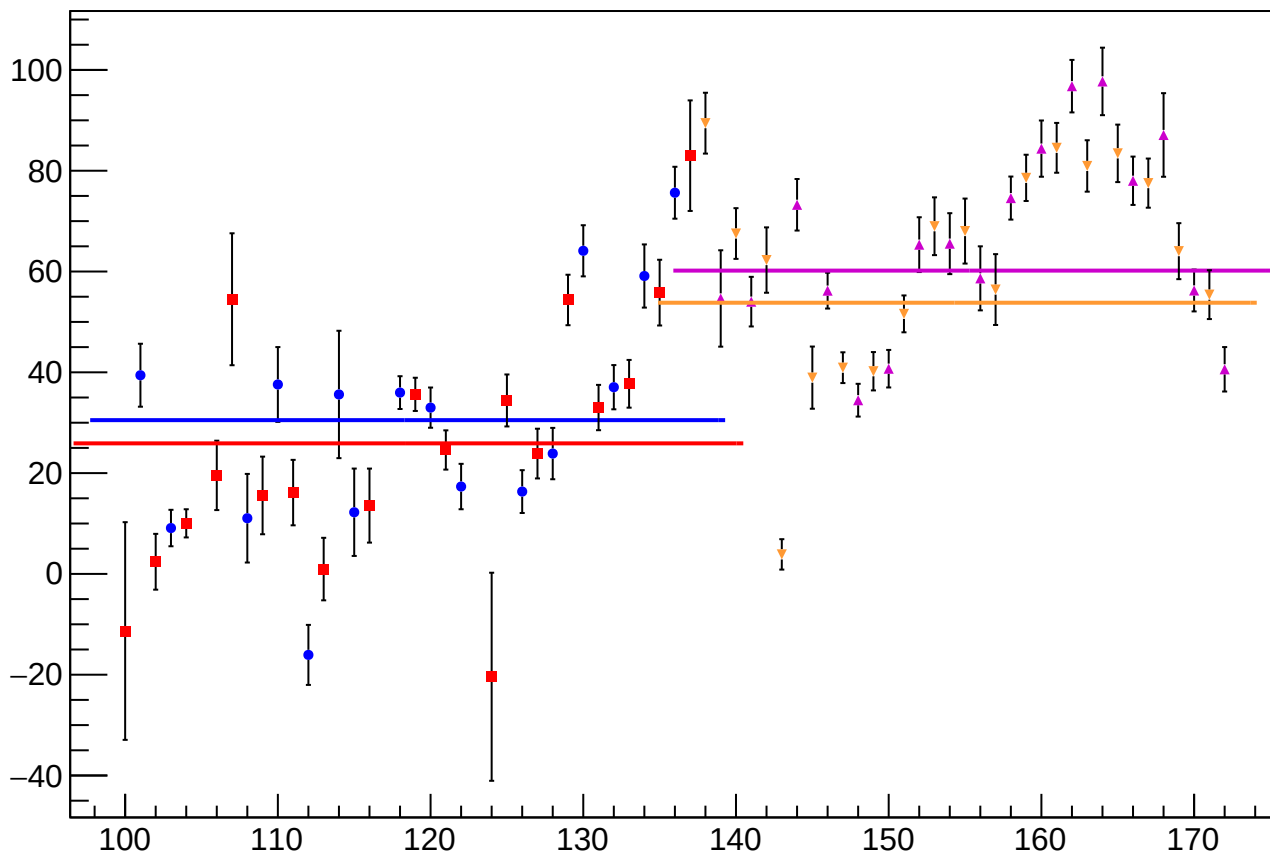
Left In: 265.663 $\pm$ 1.422 χ^2 /NDF: 625.1/16

+ sign 183.852 $\pm$ 0.873 χ^2 /NDF: 22858.5/33

All: 188.735 $\pm$ 0.617 χ^2 /NDF: 43934.3/69

- sign 193.627 $\pm$ 0.873 χ^2 /NDF: 21013.1/35

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.510 $\pm$ 1.255 χ^2 /NDF: 276.9/15

Left Out: 53.808 $\pm$ 1.099 χ^2 /NDF: 517.0/17

Right Out: 25.903 $\pm$ 1.213 χ^2 /NDF: 187.8/18

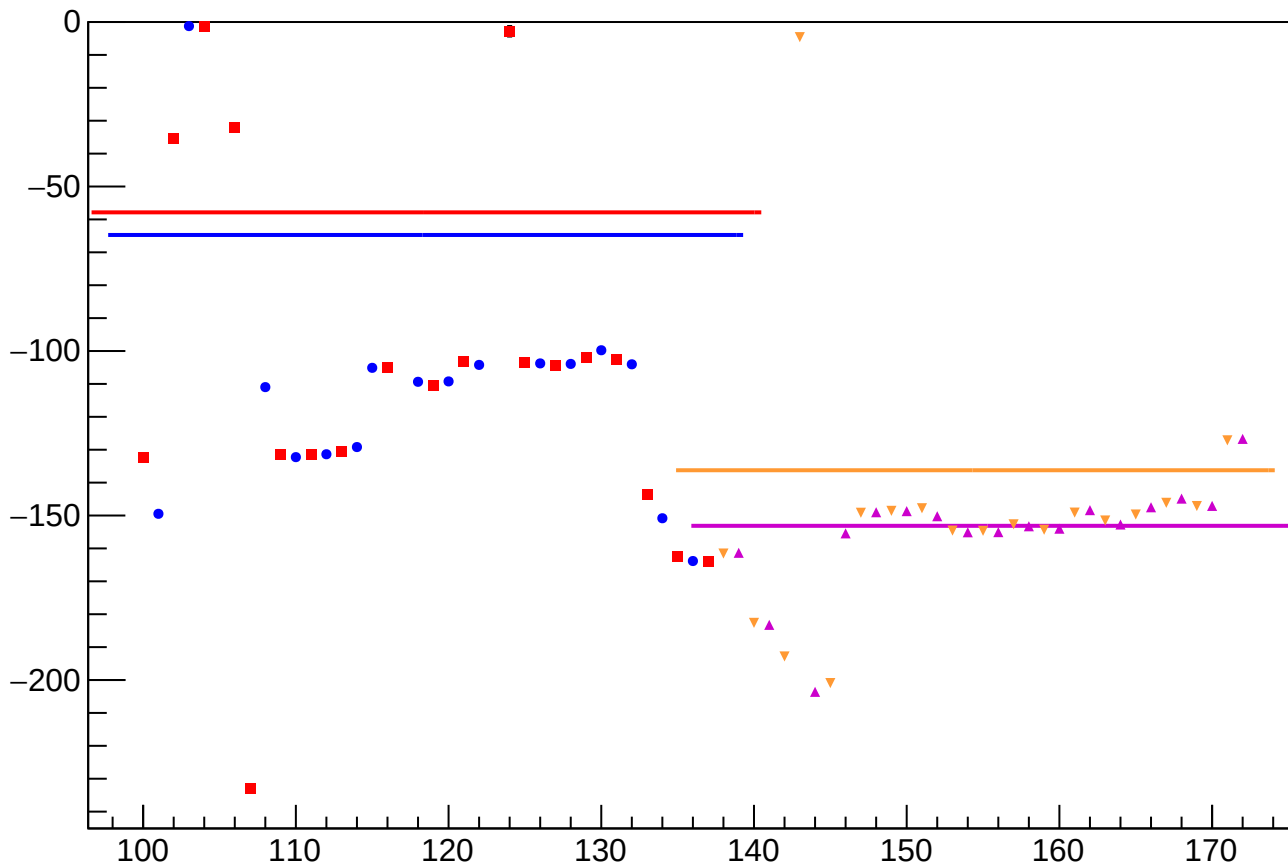
Left In: 60.182 $\pm$ 1.166 χ^2 /NDF: 257.2/16

+ sign 43.687 $\pm$ 0.827 χ^2 /NDF: 989.0/33

All: 43.705 $\pm$ 0.589 χ^2 /NDF: 1849.2/69

- sign 43.723 $\pm$ 0.841 χ^2 /NDF: 860.1/35

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.726 $\pm$ 0.064 χ^2 /NDF: 1044441.7/15

Left Out: -136.240 $\pm$ 0.052 χ^2 /NDF: 964201.8/17

Right Out: -57.855 $\pm$ 0.062 χ^2 /NDF: 875795.9/18

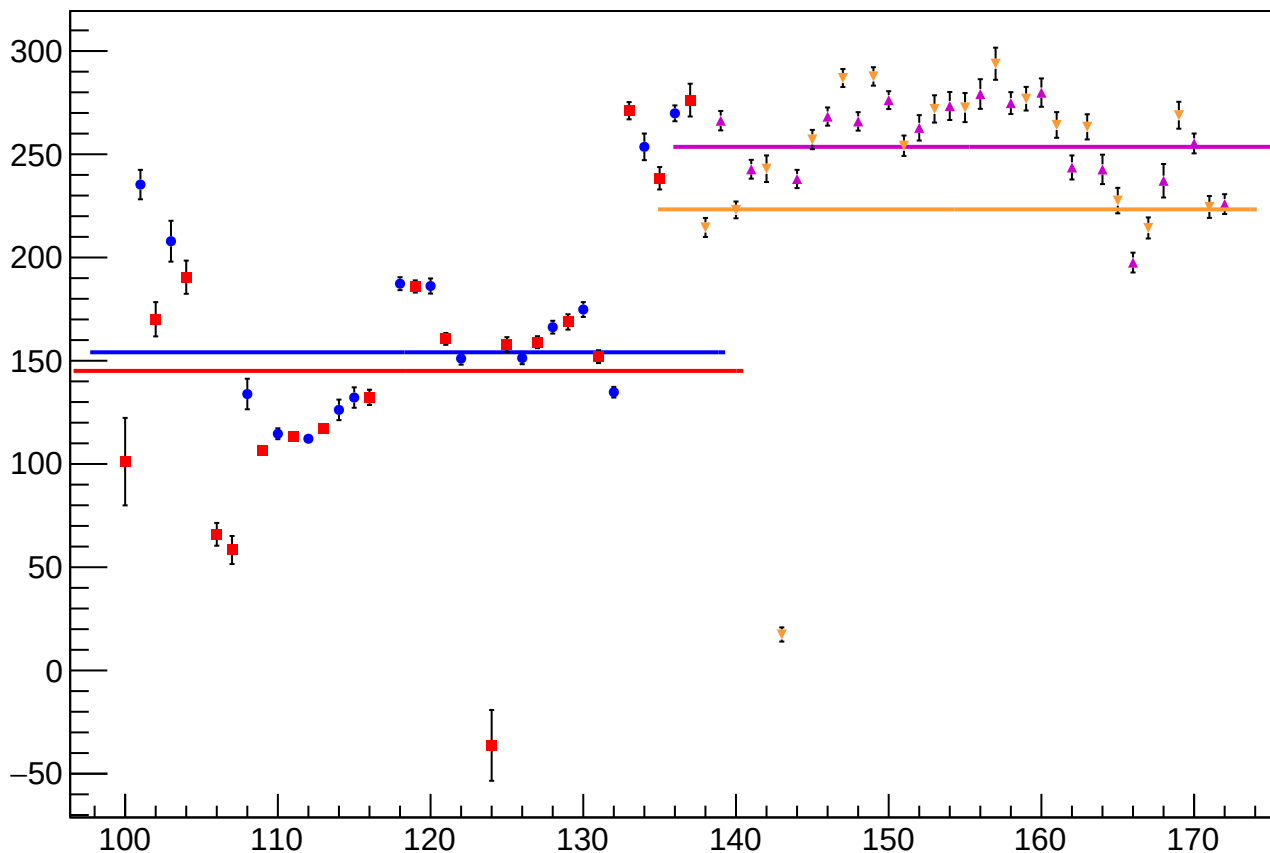
Left In: -153.130 $\pm$ 0.054 χ^2 /NDF: 76040.4/16

+ sign -107.526 $\pm$ 0.040 χ^2 /NDF: 2760778.3/33

All: -110.032 $\pm$ 0.029 χ^2 /NDF: 5069598.8/69

- sign -112.555 $\pm$ 0.041 χ^2 /NDF: 2301105.4/35

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 154.096 $\pm$ 0.869 χ^2 /NDF: 2281.1/15

Left Out: 223.309 $\pm$ 1.220 χ^2 /NDF: 4508.0/17

Right Out: 145.083 $\pm$ 0.826 χ^2 /NDF: 2958.4/18

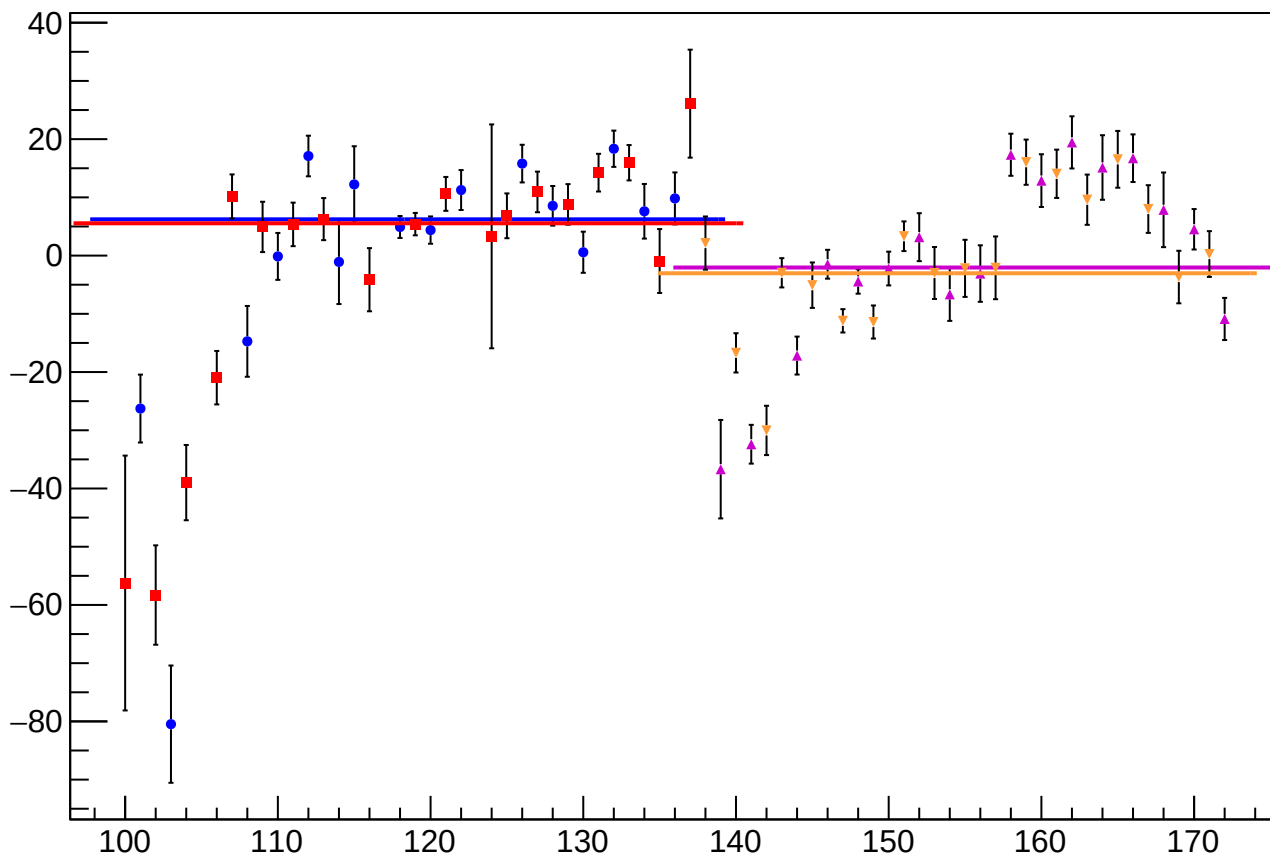
Left In: 253.590 $\pm$ 1.271 χ^2 /NDF: 304.6/16

+ sign 177.393 $\pm$ 0.708 χ^2 /NDF: 8923.8/33

All: 177.343 $\pm$ 0.495 χ^2 /NDF: 17309.3/69

- sign 177.294 $\pm$ 0.693 χ^2 /NDF: 8385.4/35

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

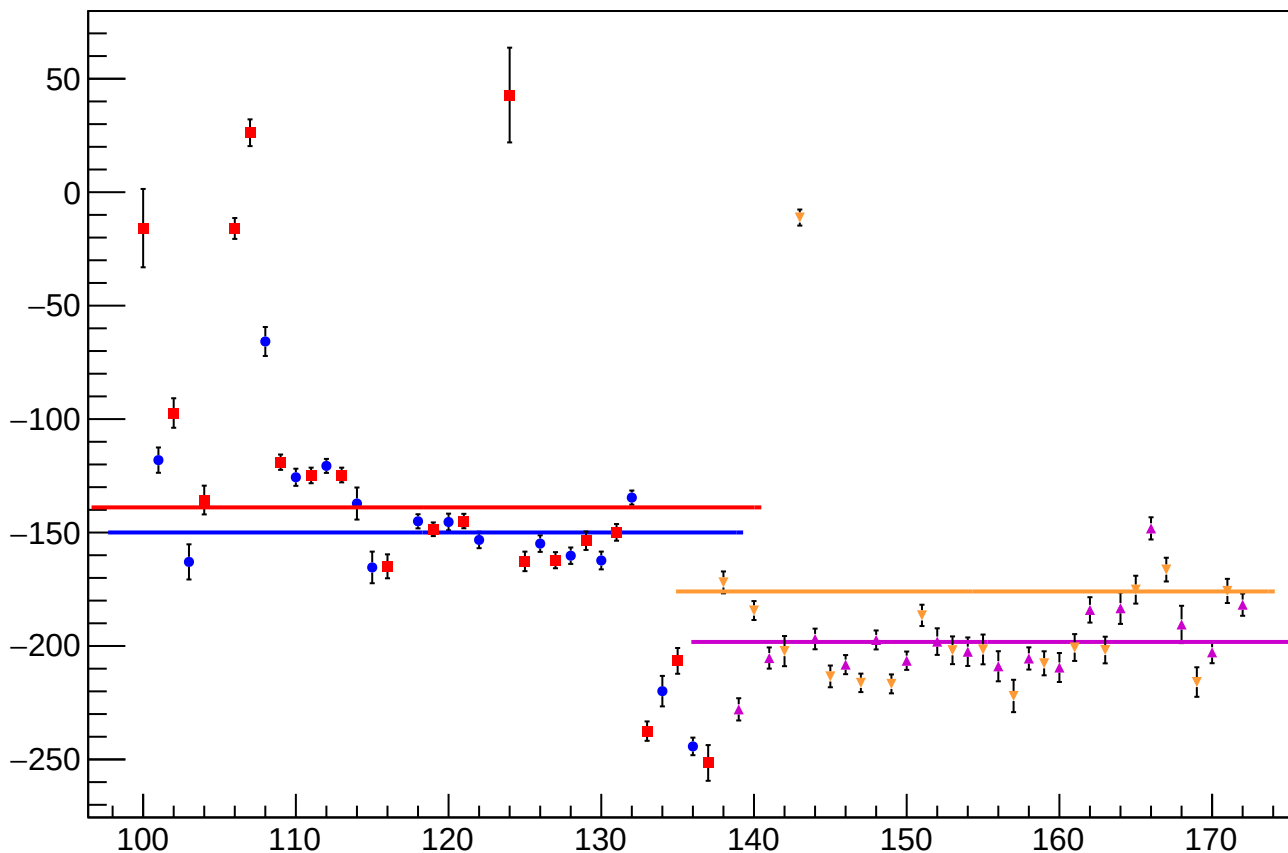
Left In: -2.047 ± 0.875 χ^2/NDF : 230.5/16

+ sign 1.257 ± 0.606 χ^2/NDF : 384.2/33

All: 1.466 ± 0.435 χ^2/NDF : 833.1/69

- sign 1.688 ± 0.624 χ^2/NDF : 448.7/35

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.970 ± 1.026 $\chi^2/\text{NDF}: 1099.5/15$

Left Out: -175.971 ± 1.200 $\chi^2/\text{NDF}: 2630.9/17$

Right Out: -138.912 ± 0.993 $\chi^2/\text{NDF}: 2750.9/18$

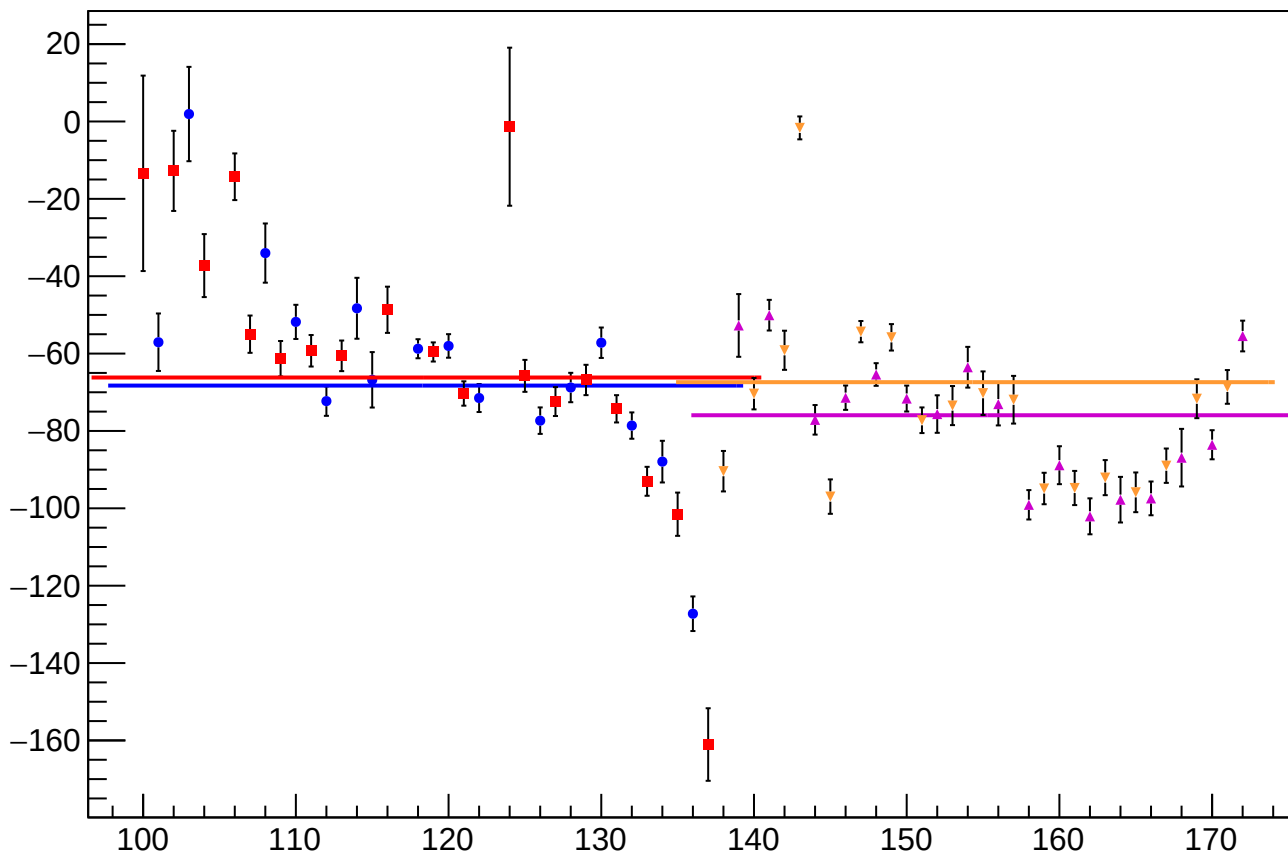
Left In: -198.218 ± 1.242 $\chi^2/\text{NDF}: 186.0/16$

+ sign -160.943 ± 0.780 $\chi^2/\text{NDF}: 4001.6/33$

All: -161.502 ± 0.550 $\chi^2/\text{NDF}: 8330.2/69$

- sign -162.055 ± 0.776 $\chi^2/\text{NDF}: 4327.6/35$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -68.272 ± 1.033 $\chi^2/\text{NDF}: 315.4/15$

Left Out: -67.388 ± 0.977 $\chi^2/\text{NDF}: 773.2/17$

Right Out: -66.186 ± 1.024 $\chi^2/\text{NDF}: 358.3/18$

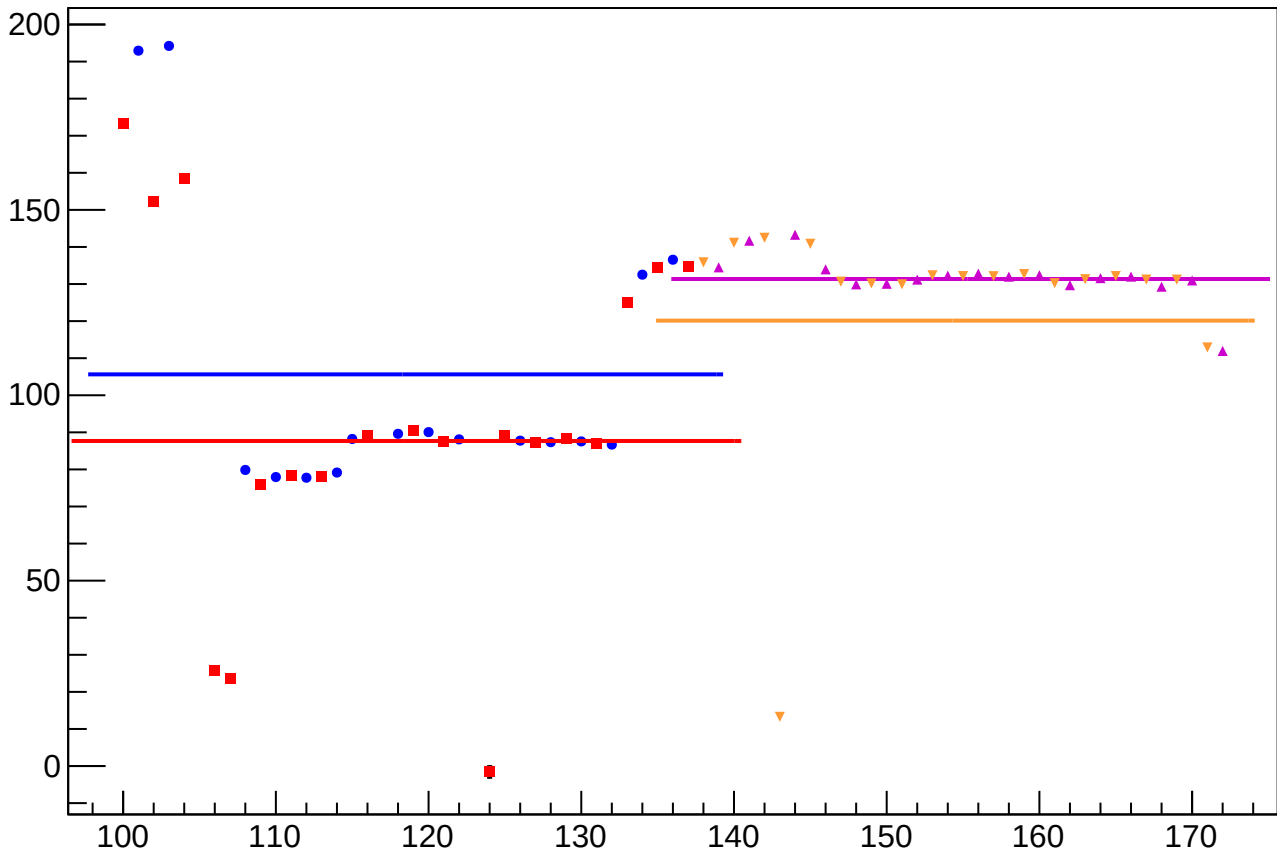
Left In: -75.938 ± 1.023 $\chi^2/\text{NDF}: 219.9/16$

+ sign -67.805 ± 0.710 $\chi^2/\text{NDF}: 1089.0/33$

All: -69.405 ± 0.507 $\chi^2/\text{NDF}: 1723.0/69$

- sign -71.067 ± 0.724 $\chi^2/\text{NDF}: 623.7/35$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 105.640 $\pm$ 0.071 χ^2 /NDF: 239614.1/15

Left Out: 120.137 $\pm$ 0.046 χ^2 /NDF: 604134.5/17

Right Out: 87.673 $\pm$ 0.066 χ^2 /NDF: 374460.7/18

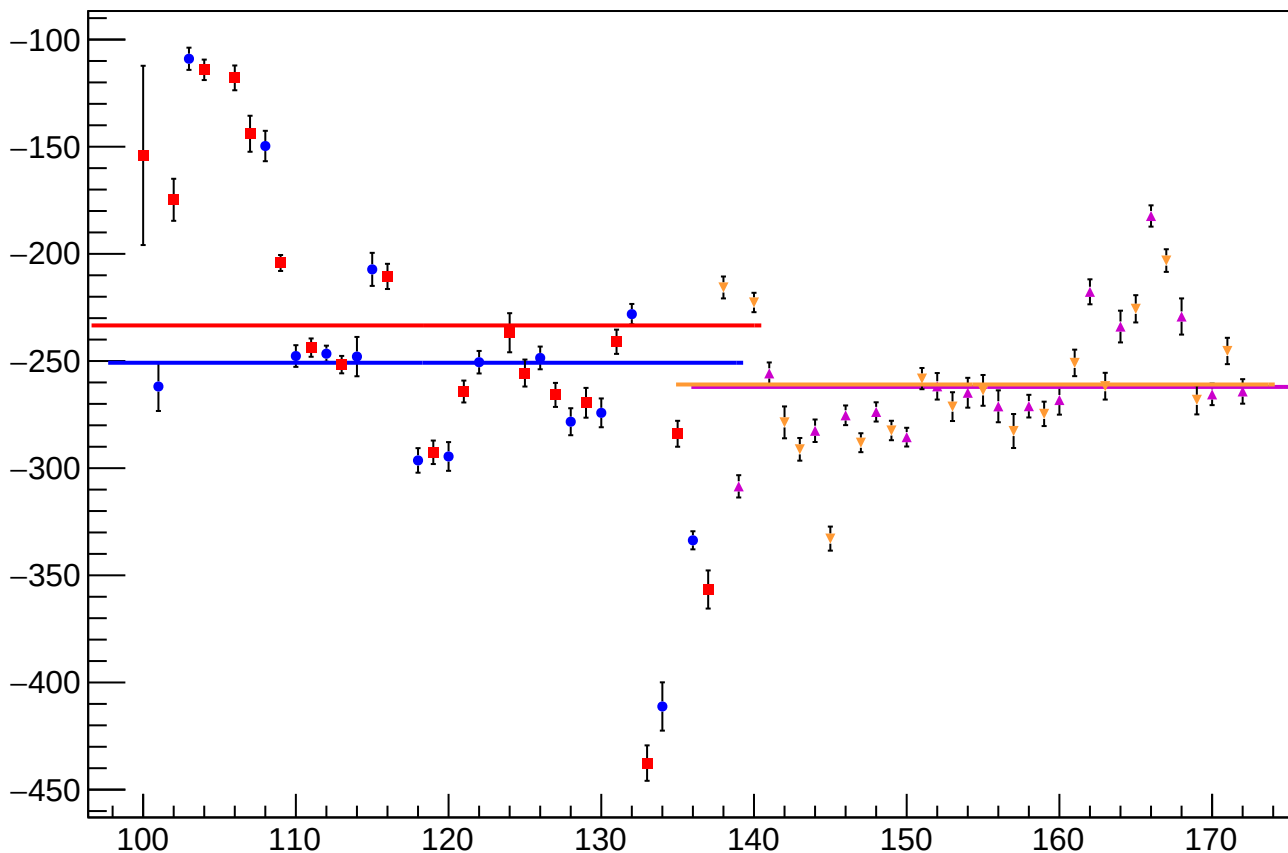
Left In: 131.361 $\pm$ 0.047 χ^2 /NDF: 20573.7/16

+ sign 115.807 $\pm$ 0.039 χ^2 /NDF: 873126.4/33

All: 116.201 $\pm$ 0.027 χ^2 /NDF: 1561628.3/69

- sign 116.585 $\pm$ 0.038 χ^2 /NDF: 688297.0/35

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -250.812 ± 1.438 $\chi^2/\text{NDF}: 1735.7/15$

Left Out: -260.952 ± 1.334 $\chi^2/\text{NDF}: 589.8/17$

Right Out: -233.396 ± 1.333 $\chi^2/\text{NDF}: 2378.5/18$

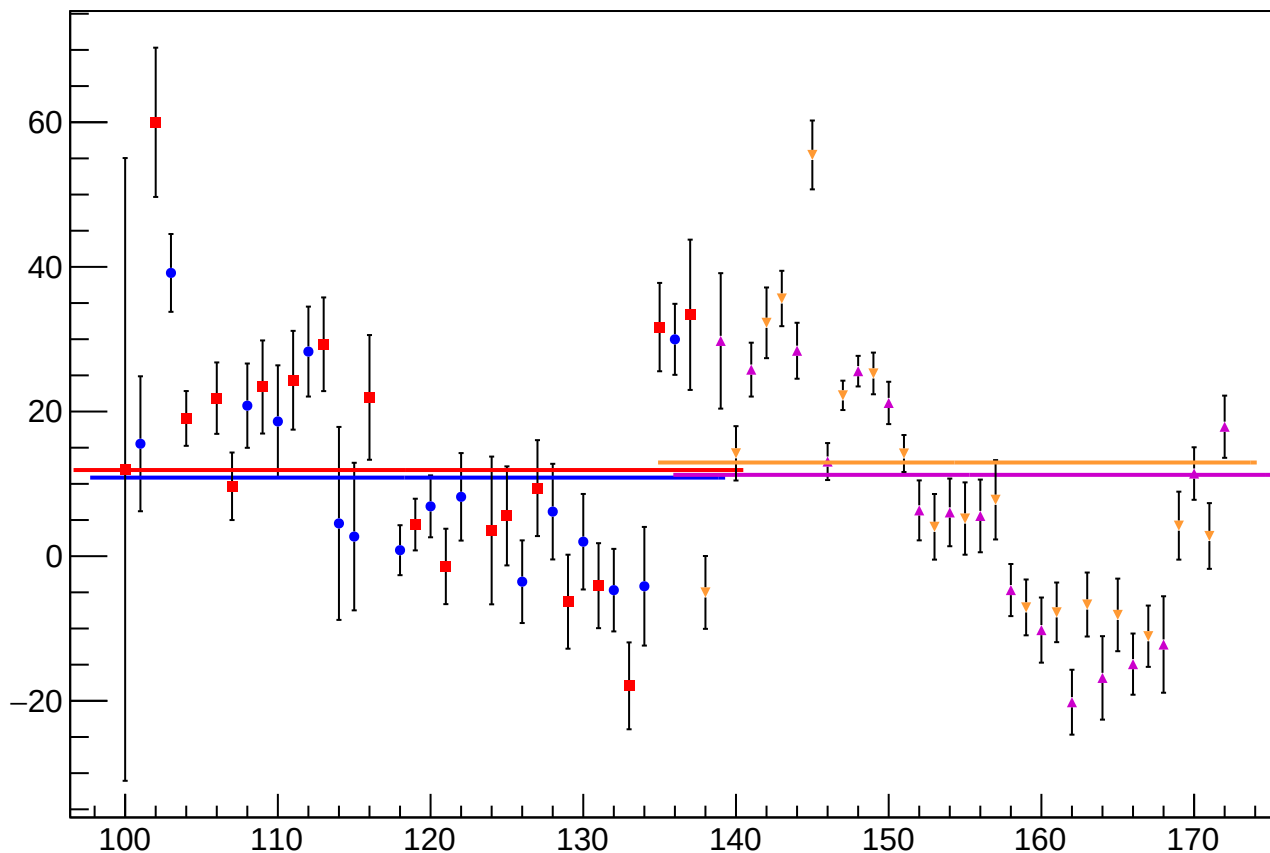
Left In: -262.082 ± 1.342 $\chi^2/\text{NDF}: 491.5/16$

+ sign -256.263 ± 0.978 $\chi^2/\text{NDF}: 2352.2/33$

All: -251.812 ± 0.680 $\chi^2/\text{NDF}: 5492.3/69$

- sign -247.649 ± 0.946 $\chi^2/\text{NDF}: 3100.0/35$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 10.864 ± 1.471 $\chi^2/\text{NDF}: 84.7/15$

Left Out: 12.952 ± 0.888 $\chi^2/\text{NDF}: 320.0/17$

Right Out: 11.912 ± 1.368 $\chi^2/\text{NDF}: 111.9/18$

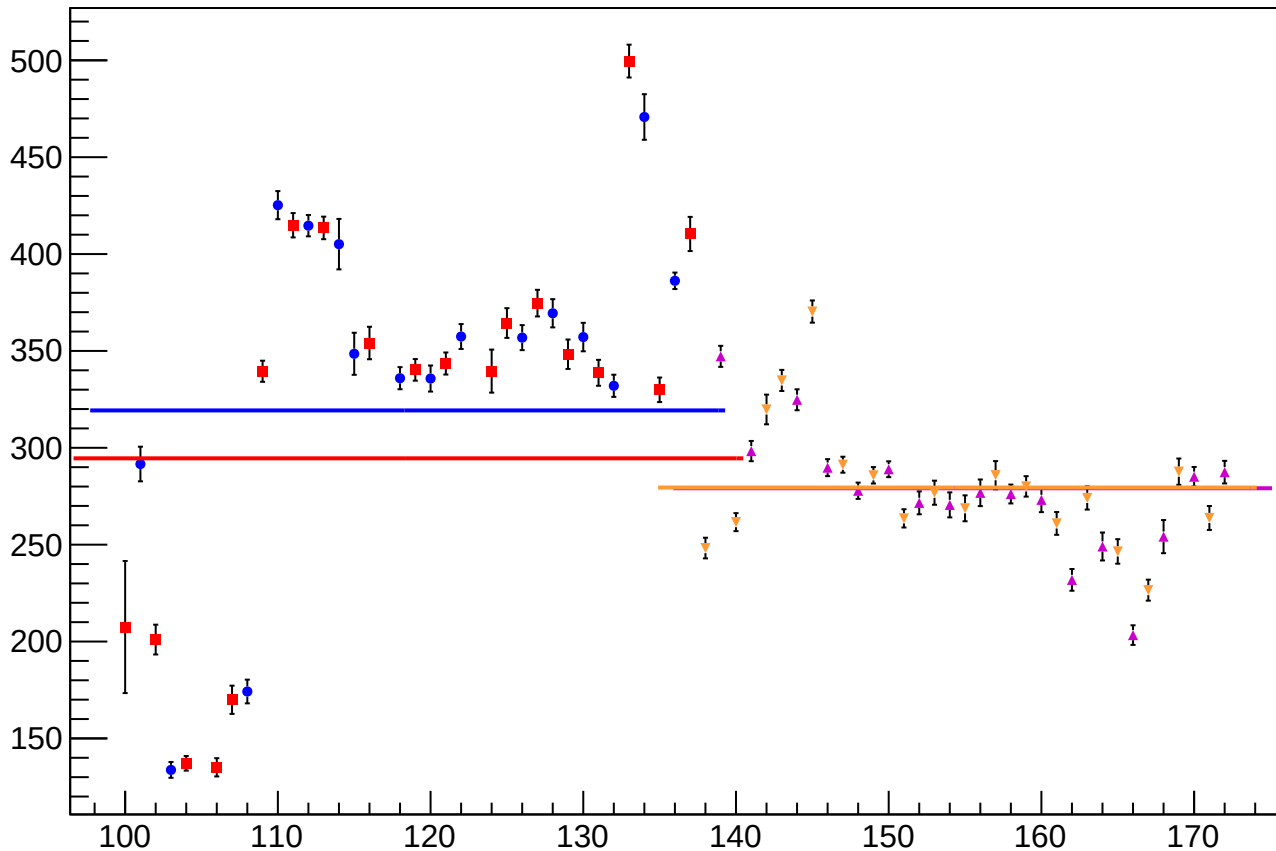
Left In: 11.245 ± 0.912 $\chi^2/\text{NDF}: 268.8/16$

+ sign 12.394 ± 0.760 $\chi^2/\text{NDF}: 406.1/33$

All: 11.922 ± 0.537 $\chi^2/\text{NDF}: 787.8/69$

- sign 11.450 ± 0.759 $\chi^2/\text{NDF}: 380.9/35$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.293 $\pm$ 1.586 χ^2 /NDF: 3792.9/15

Left Out: 279.501 $\pm$ 1.303 χ^2 /NDF: 598.4/17

Right Out: 294.567 $\pm$ 1.481 χ^2 /NDF: 5503.2/18

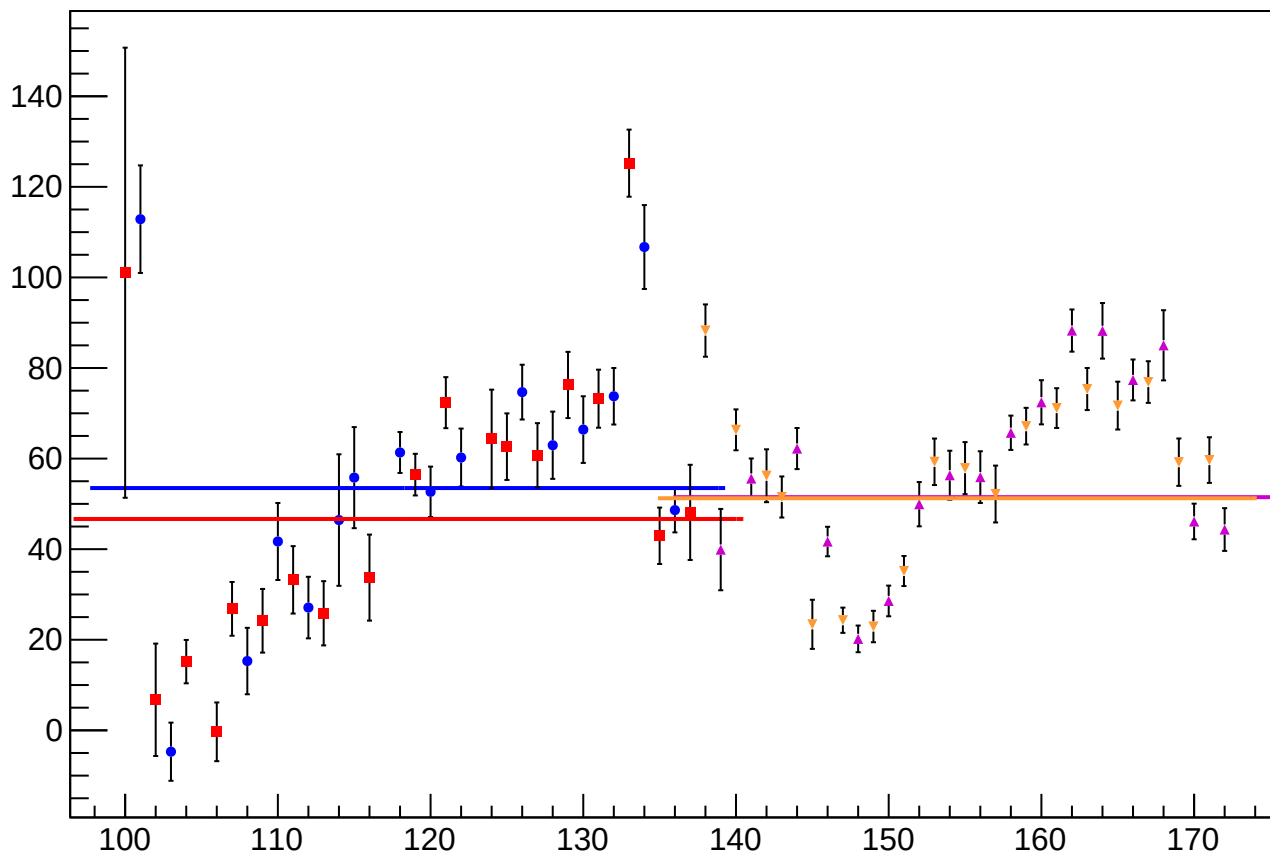
Left In: 279.123 $\pm$ 1.305 χ^2 /NDF: 583.5/16

+ sign 295.530 $\pm$ 1.007 χ^2 /NDF: 4767.2/33

All: 290.569 $\pm$ 0.702 χ^2 /NDF: 10962.4/69

- sign 285.873 $\pm$ 0.979 χ^2 /NDF: 6147.9/35

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 53.494 $\pm$ 1.699 χ^2 /NDF: 217.2/15

Left Out: 51.244 $\pm$ 1.051 χ^2 /NDF:381.0/17

Right Out: 46.666 $\pm$ 1.593 χ^2 /NDF: 325.6/18

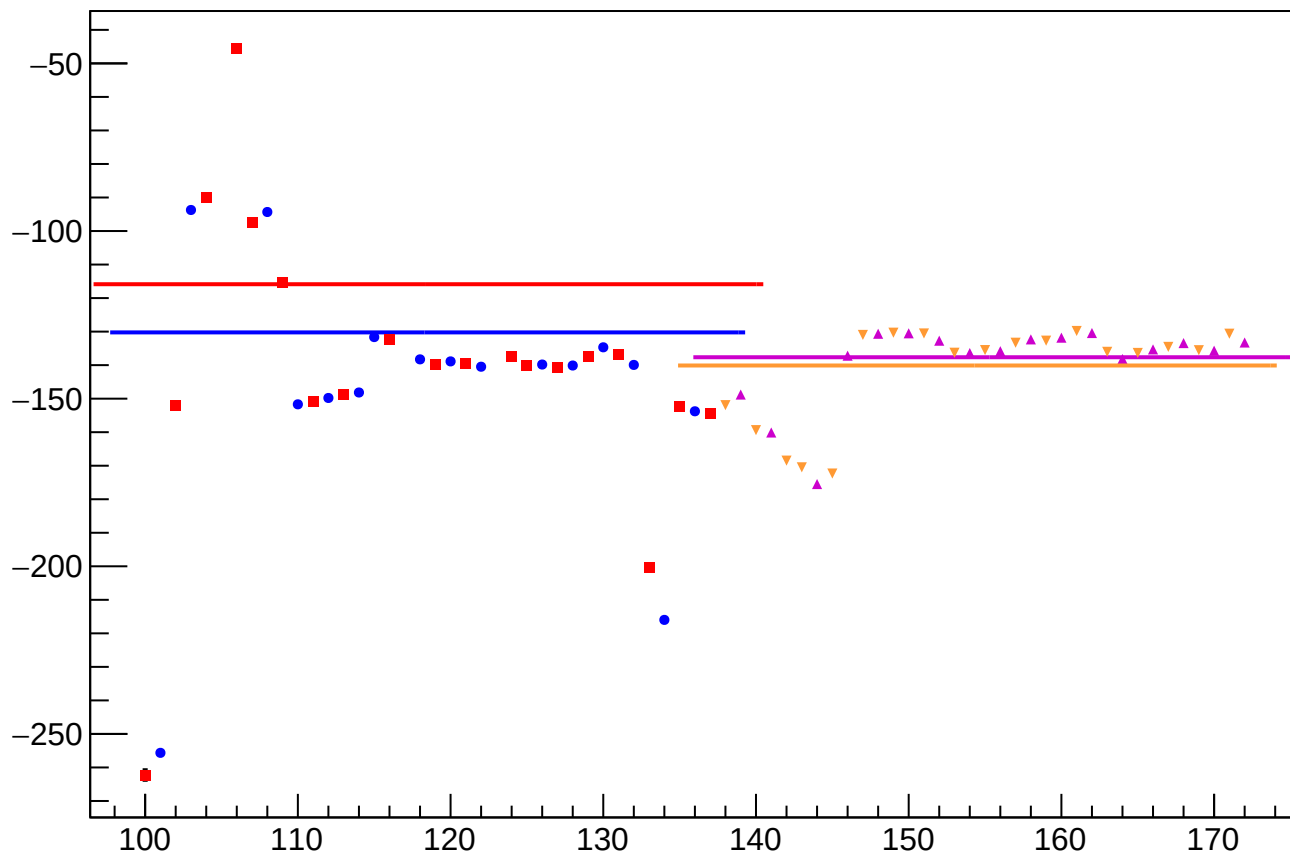
Left In: 51.481 $\pm$ 1.069 χ^2 /NDF:364.0/16

+ sign 51.867 $\pm$ 0.894 χ^2 /NDF: 599.5/33

All: 50.920 $\pm$ 0.630 χ^2 /NDF: 1297.7/69

- sign 49.986 $\pm$ 0.888 χ^2 /NDF: 696.0/35

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -130.236 ± 0.091 $\chi^2/\text{NDF}: 174208.5/15$

Left Out: -140.106 ± 0.050 $\chi^2/\text{NDF}: 75584.0/17$

Right Out: -115.865 ± 0.086 $\chi^2/\text{NDF}: 205899.4/18$

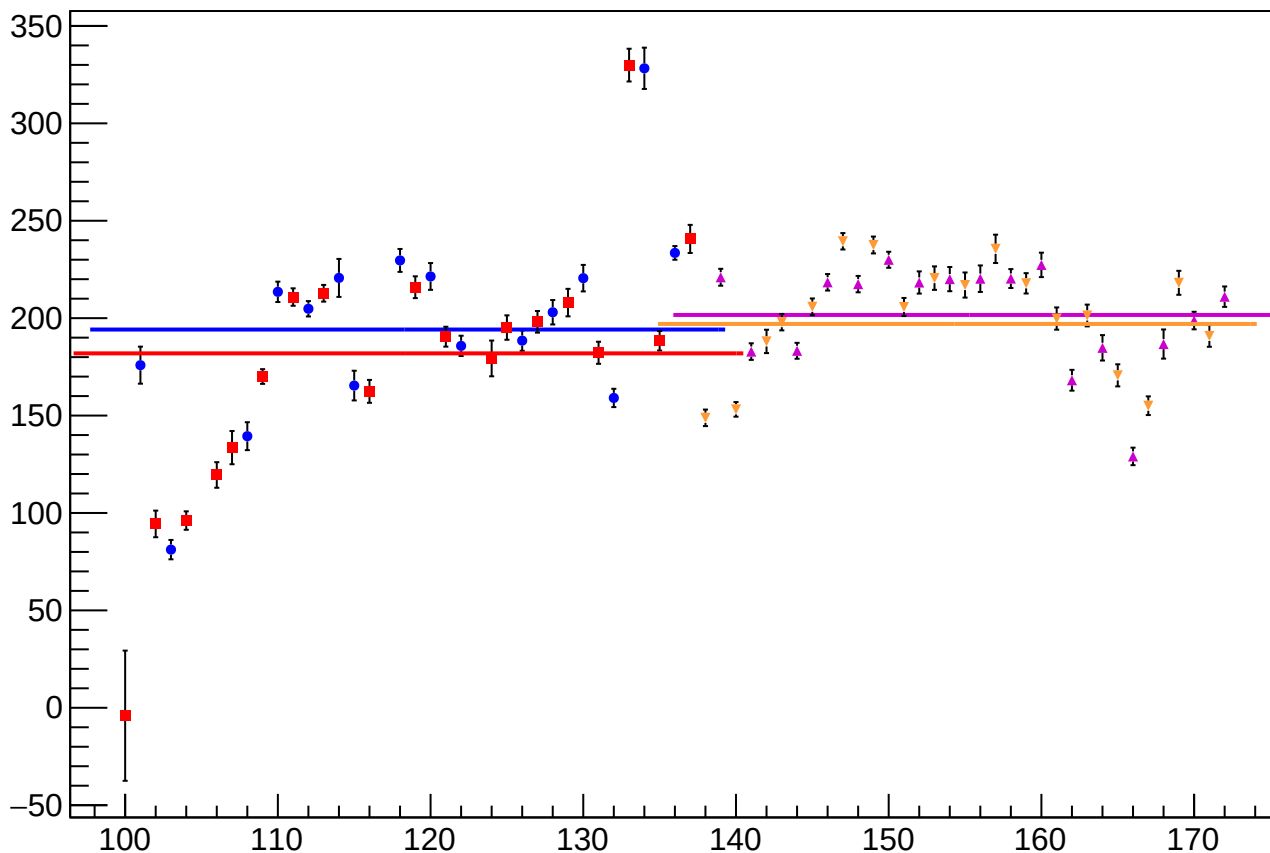
Left In: -137.645 ± 0.049 $\chi^2/\text{NDF}: 46685.7/16$

+ sign -137.829 ± 0.044 $\chi^2/\text{NDF}: 258825.5/33$

All: -134.967 ± 0.031 $\chi^2/\text{NDF}: 568307.4/69$

- sign -132.241 ± 0.043 $\chi^2/\text{NDF}: 301126.9/35$

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

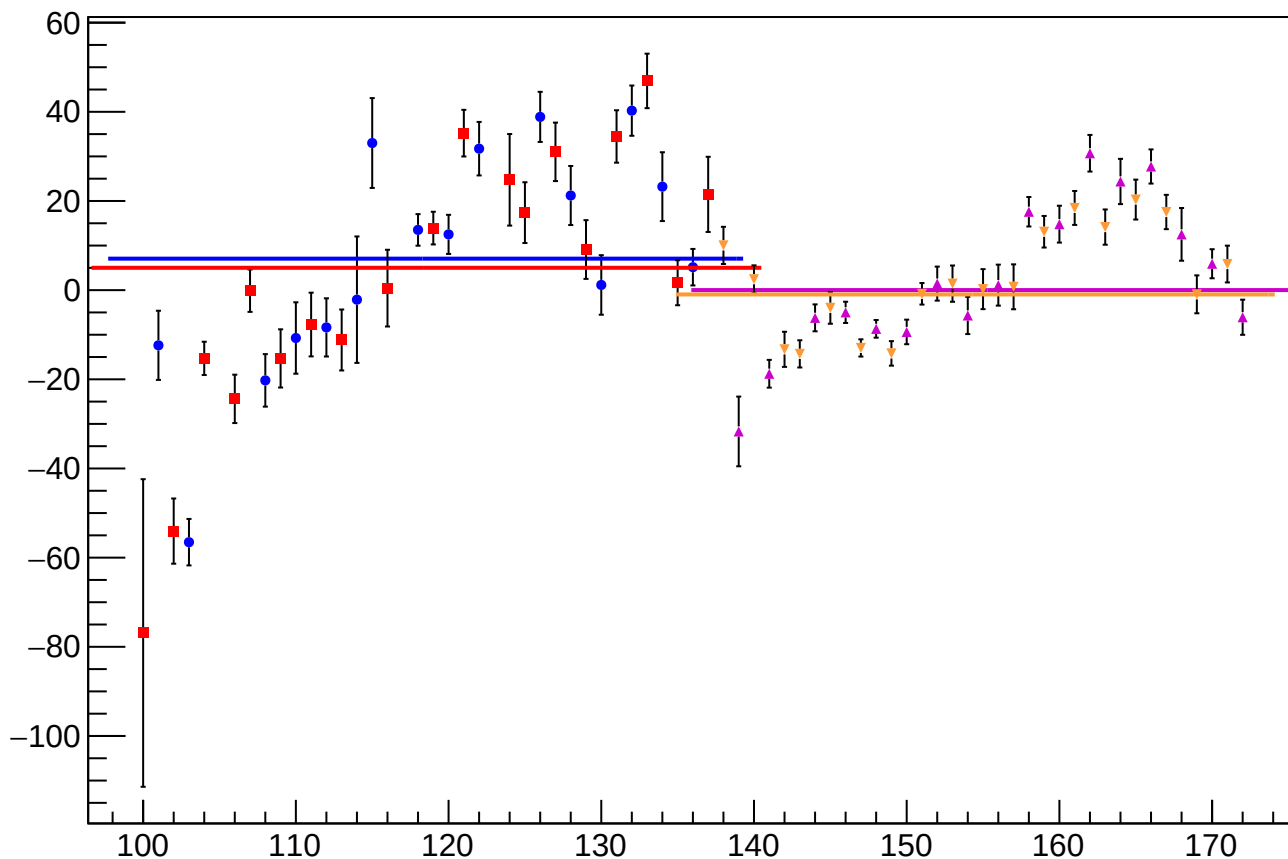
Left In: 201.647 ± 1.198 χ^2/NDF : 507.8/16

+ sign 195.852 ± 0.902 χ^2/NDF : 1683.9/33

All: 194.280 ± 0.633 χ^2/NDF : 3524.7/69

- sign 192.758 ± 0.888 χ^2/NDF : 1834.8/35

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.066 $\pm$ 1.443 χ^2 /NDF: 292.6/15

Left Out: -0.963 $\pm$ 0.797 χ^2 /NDF: 204.6/17

Right Out: 5.015 $\pm$ 1.355 χ^2 /NDF: 288.5/18

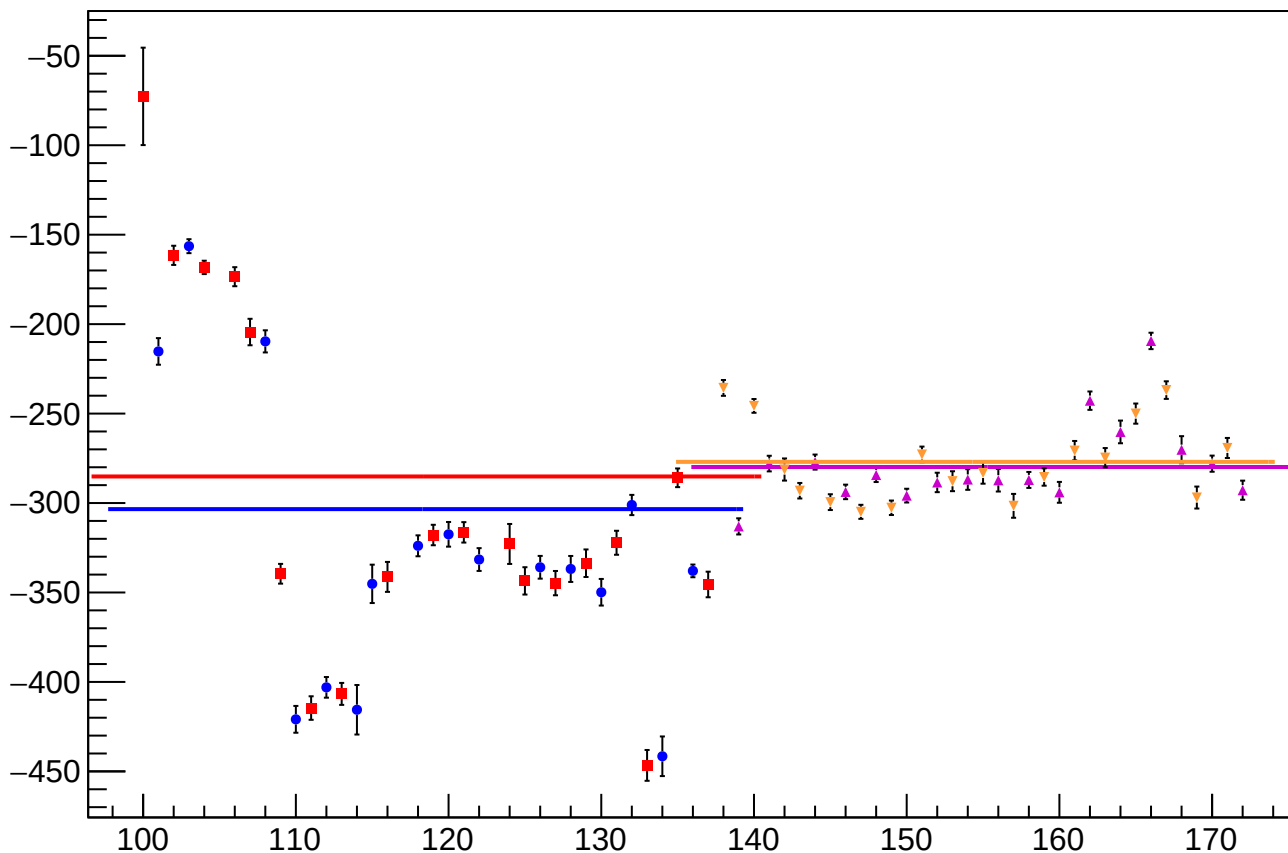
Left In: 0.015 $\pm$ 0.825 χ^2 /NDF: 276.8/16

+ sign 0.913 $\pm$ 0.697 χ^2 /NDF: 520.9/33

All: 1.138 $\pm$ 0.496 χ^2 /NDF: 1096.4/69

- sign 1.368 $\pm$ 0.705 χ^2 /NDF: 575.2/35

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

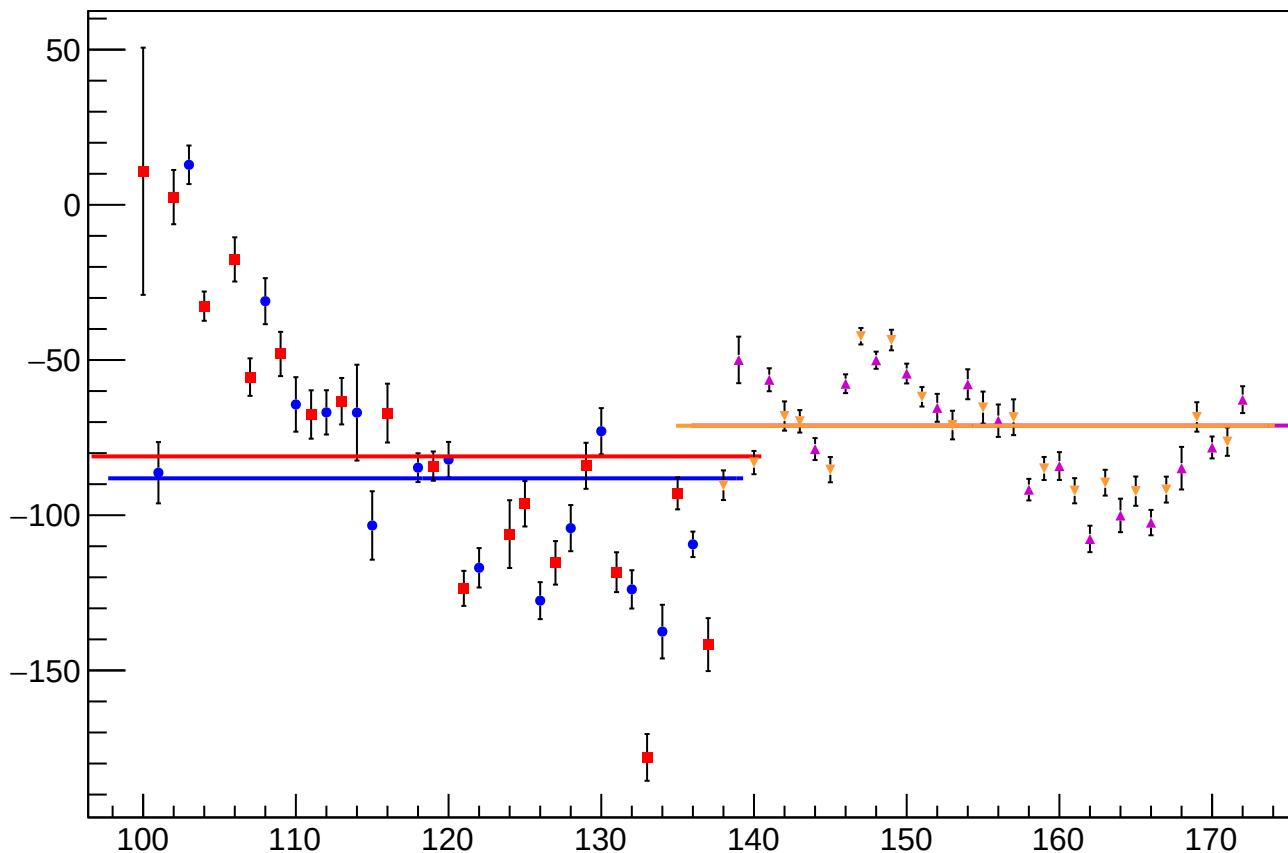
Left In: -279.864 ± 1.169 χ^2/NDF : 404.6/16

+ sign -286.561 ± 0.921 χ^2/NDF : 3386.0/33

All: -284.225 ± 0.648 χ^2/NDF : 7566.2/69

- sign -281.944 ± 0.910 χ^2/NDF : 4167.5/35

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -88.119 ± 1.655 $\chi^2/\text{NDF}: 511.9/15$

Left Out: -71.164 ± 0.939 $\chi^2/\text{NDF}: 342.7/17$

Right Out: -81.046 ± 1.569 $\chi^2/\text{NDF}: 677.5/18$

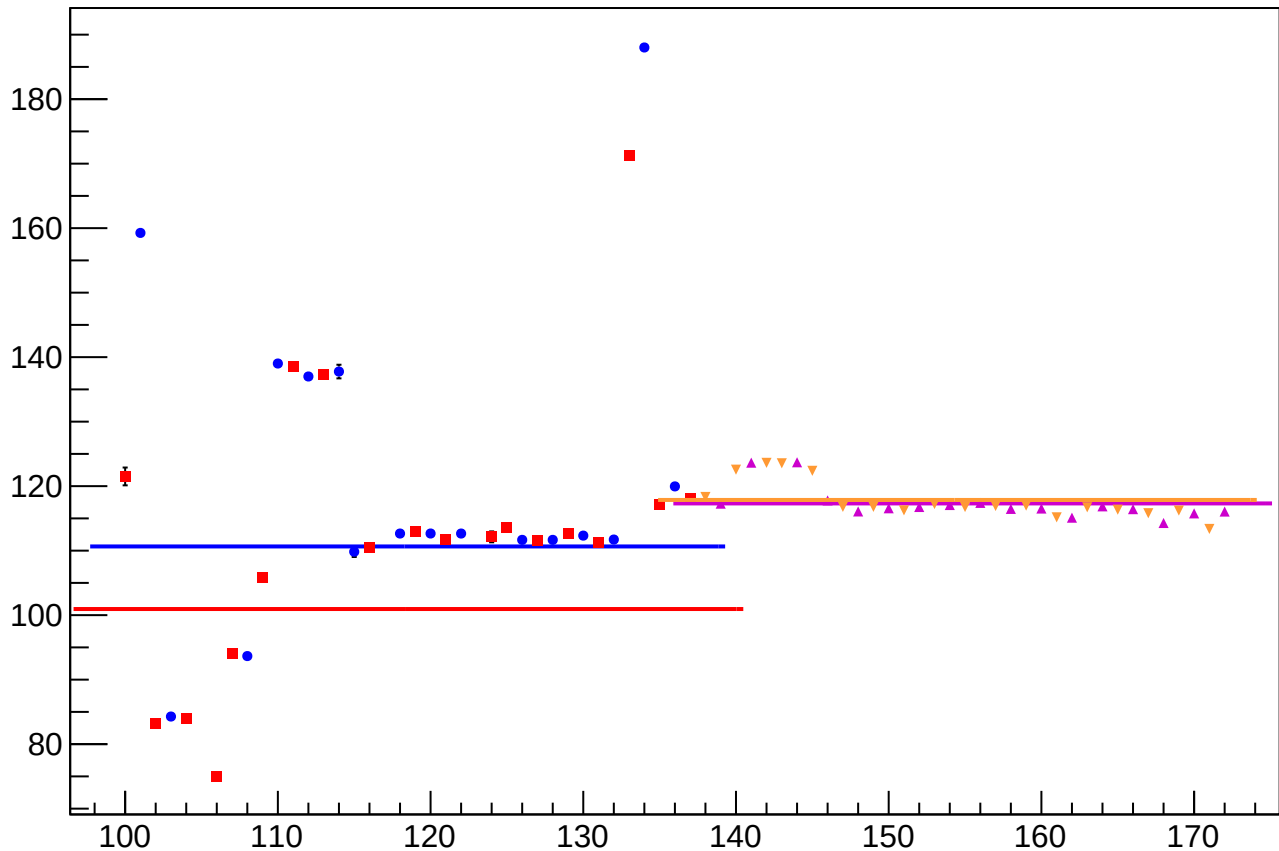
Left In: -71.119 ± 0.964 $\chi^2/\text{NDF}: 359.6/16$

+ sign -75.295 ± 0.817 $\chi^2/\text{NDF}: 934.0/33$

All: -74.572 ± 0.579 $\chi^2/\text{NDF}: 2001.8/69$

- sign -73.841 ± 0.821 $\chi^2/\text{NDF}: 1066.2/35$

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

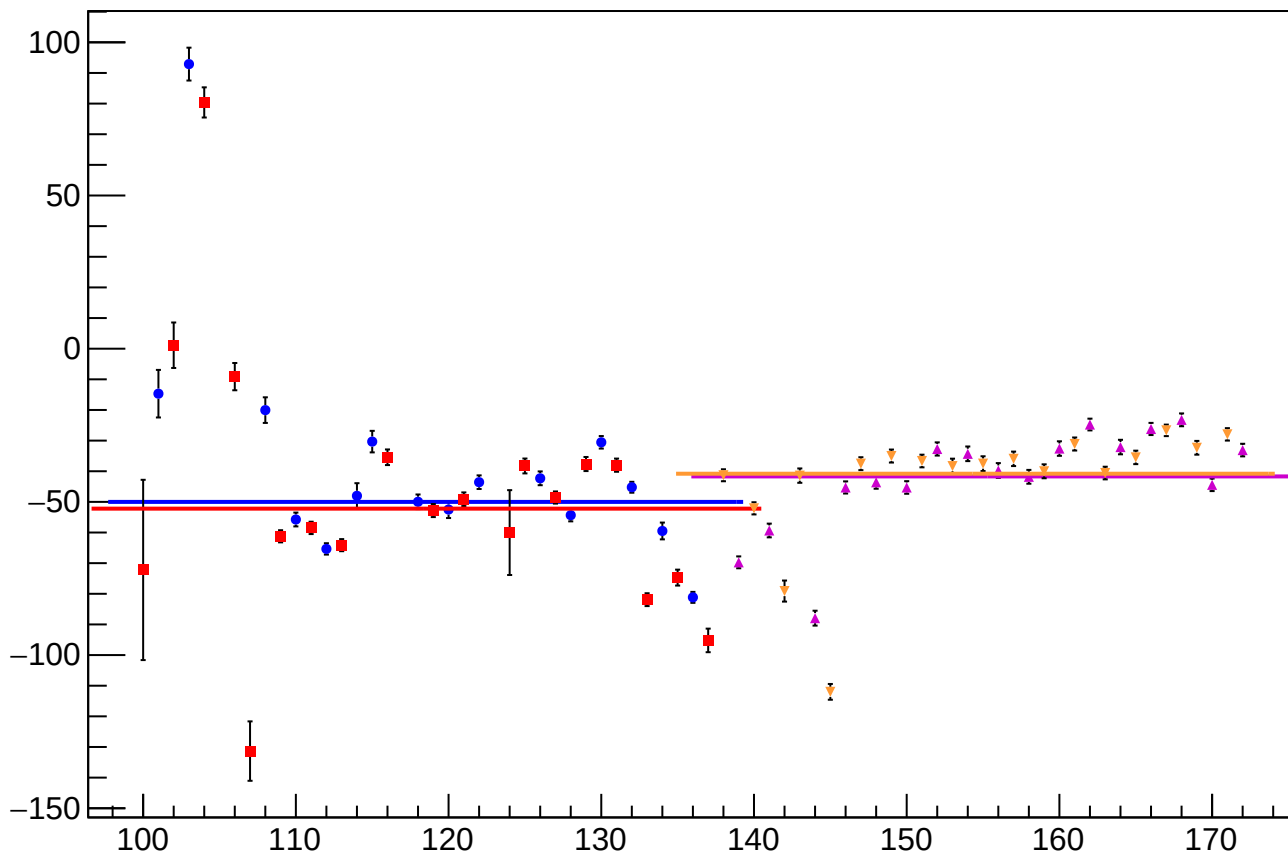
Left In: 117.321+/-0.044 χ^2/NDF : 2986.2/16

+ sign 116.343+/-0.039 χ^2/NDF : 93308.5/33

All: 114.933+/-0.028 χ^2/NDF : 192327.3/69

- sign 113.564+/-0.039 χ^2/NDF : 96490.1/35

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

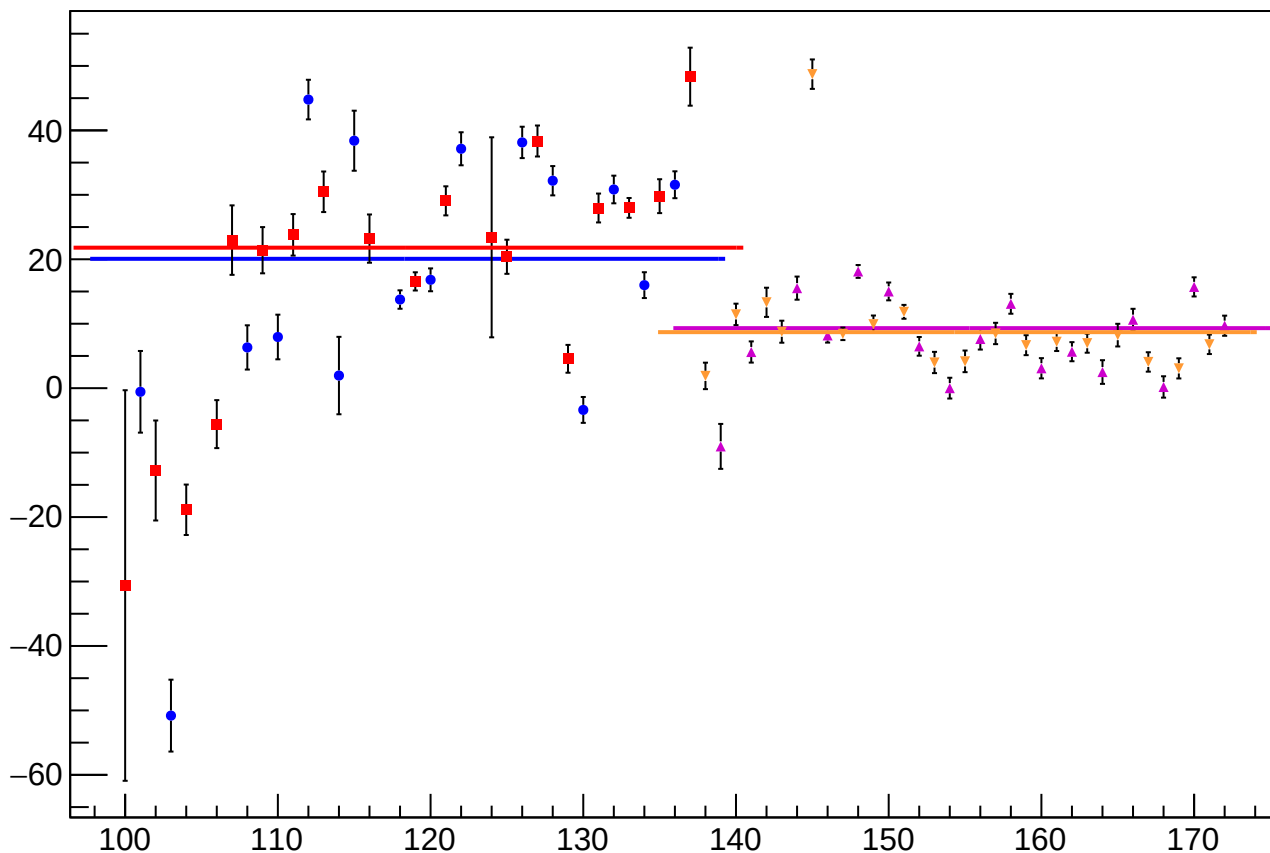
Left In: -41.690 ± 0.520 χ^2/NDF : 934.1/16

+ sign -44.670 ± 0.395 χ^2/NDF : 2540.5/33

All: -45.418 ± 0.279 χ^2/NDF : 5225.8/69

- sign -46.162 ± 0.395 χ^2/NDF : 2678.1/35

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.072 $\pm$ 0.612 χ^2 /NDF: 636.2/15

Left Out: 8.693 $\pm$ 0.357 χ^2 /NDF: 377.7/17

Right Out: 21.800 $\pm$ 0.622 χ^2 /NDF: 396.3/18

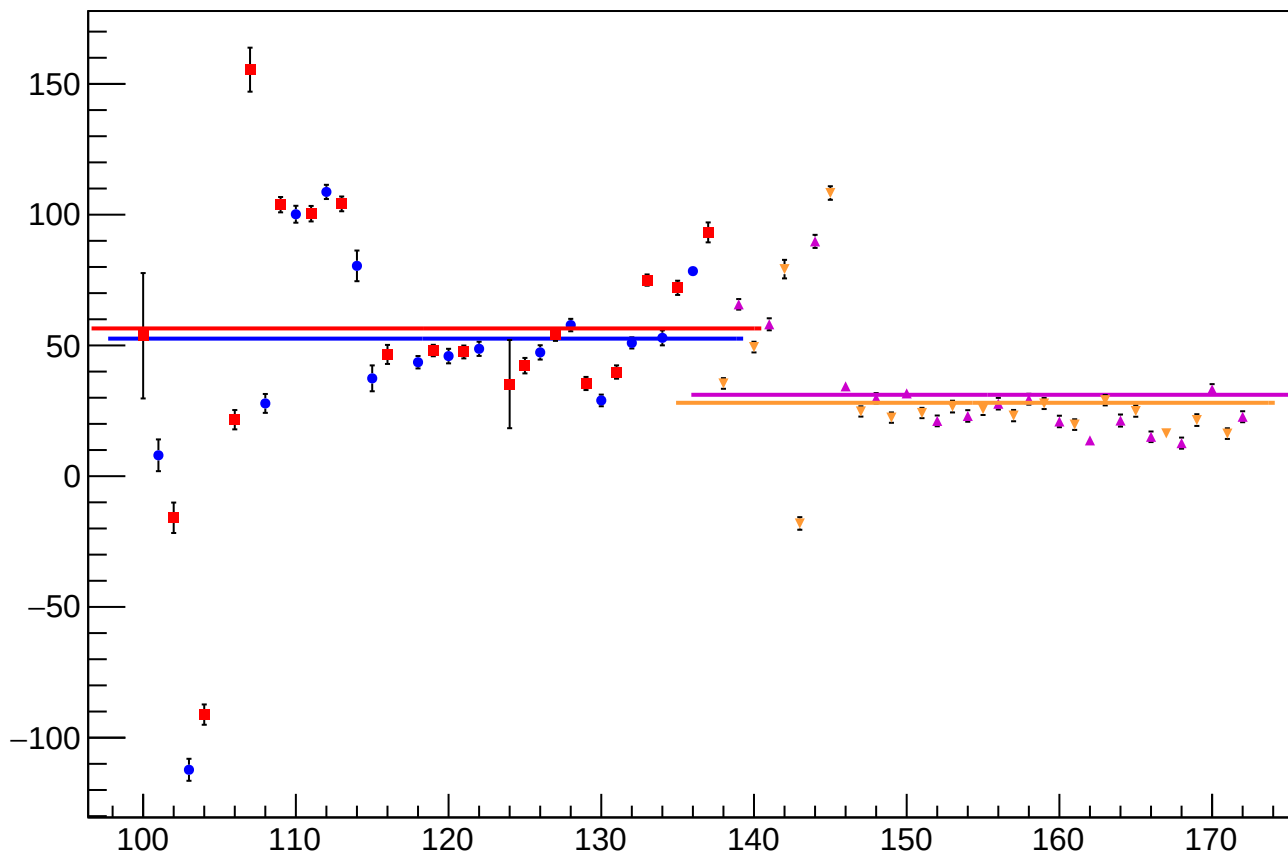
Left In: 9.314 $\pm$ 0.366 χ^2 /NDF: 269.8/16

+ sign 11.580 $\pm$ 0.308 χ^2 /NDF: 1271.9/33

All: 12.040 $\pm$ 0.220 χ^2 /NDF: 2242.0/69

- sign 12.522 $\pm$ 0.315 χ^2 /NDF: 965.5/35

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 52.605 $\pm$ 0.696 χ^2 /NDF: 2659.4/15

Left Out: 28.062 $\pm$ 0.506 χ^2 /NDF:1770.6/17

Right Out: 56.499 $\pm$ 0.705 χ^2 /NDF: 2965.5/18

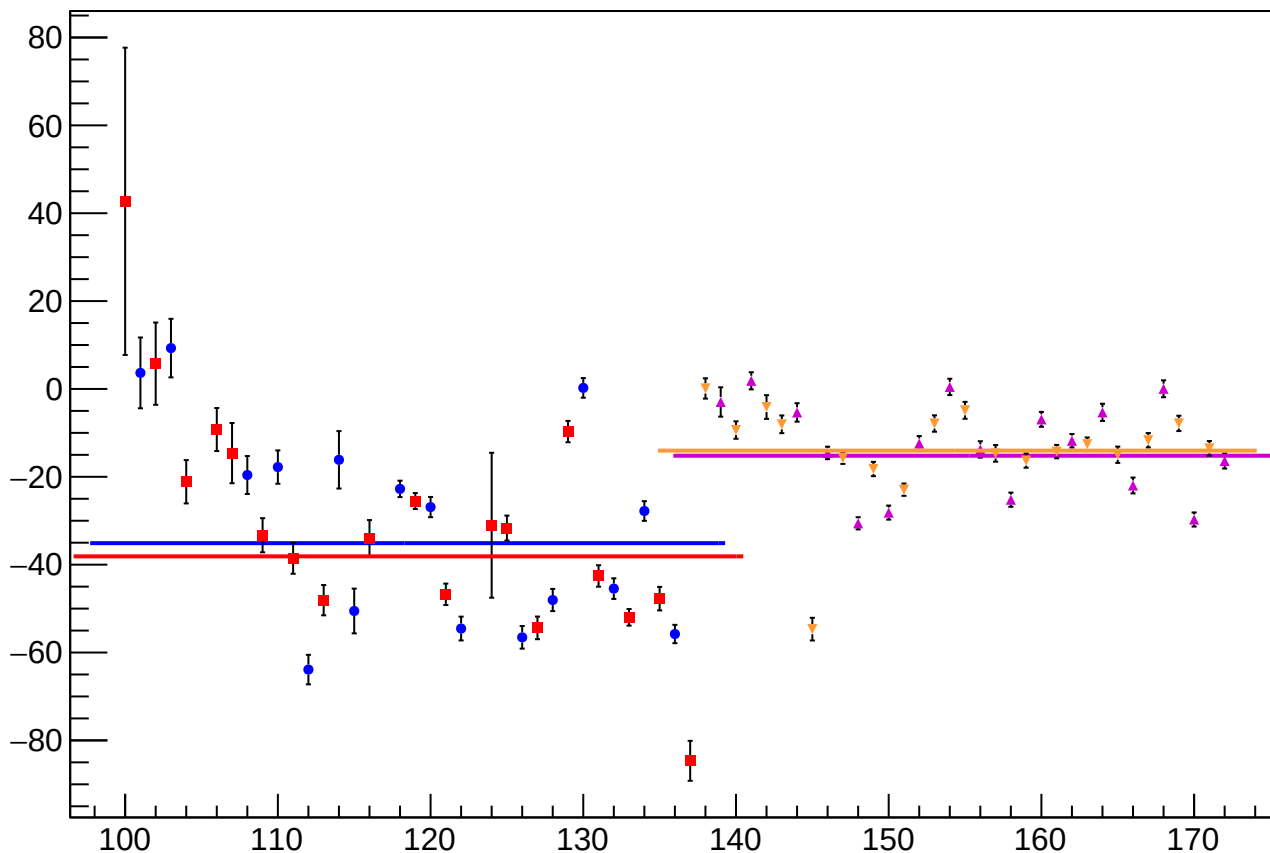
Left In: 31.122 $\pm$ 0.507 χ^2 /NDF:1306.9/16

+ sign 36.554 $\pm$ 0.410 χ^2 /NDF: 5242.4/33

All: 38.152 $\pm$ 0.290 χ^2 /NDF: 10398.8/69

- sign 39.766 $\pm$ 0.412 χ^2 /NDF: 5125.7/35

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -35.104 $\pm$ 0.700 χ^2/NDF : 773.2/15

Left Out: -14.034 $\pm$ 0.414 χ^2/NDF : 413.0/17

Right Out: -38.109 $\pm$ 0.714 χ^2/NDF : 514.6/18

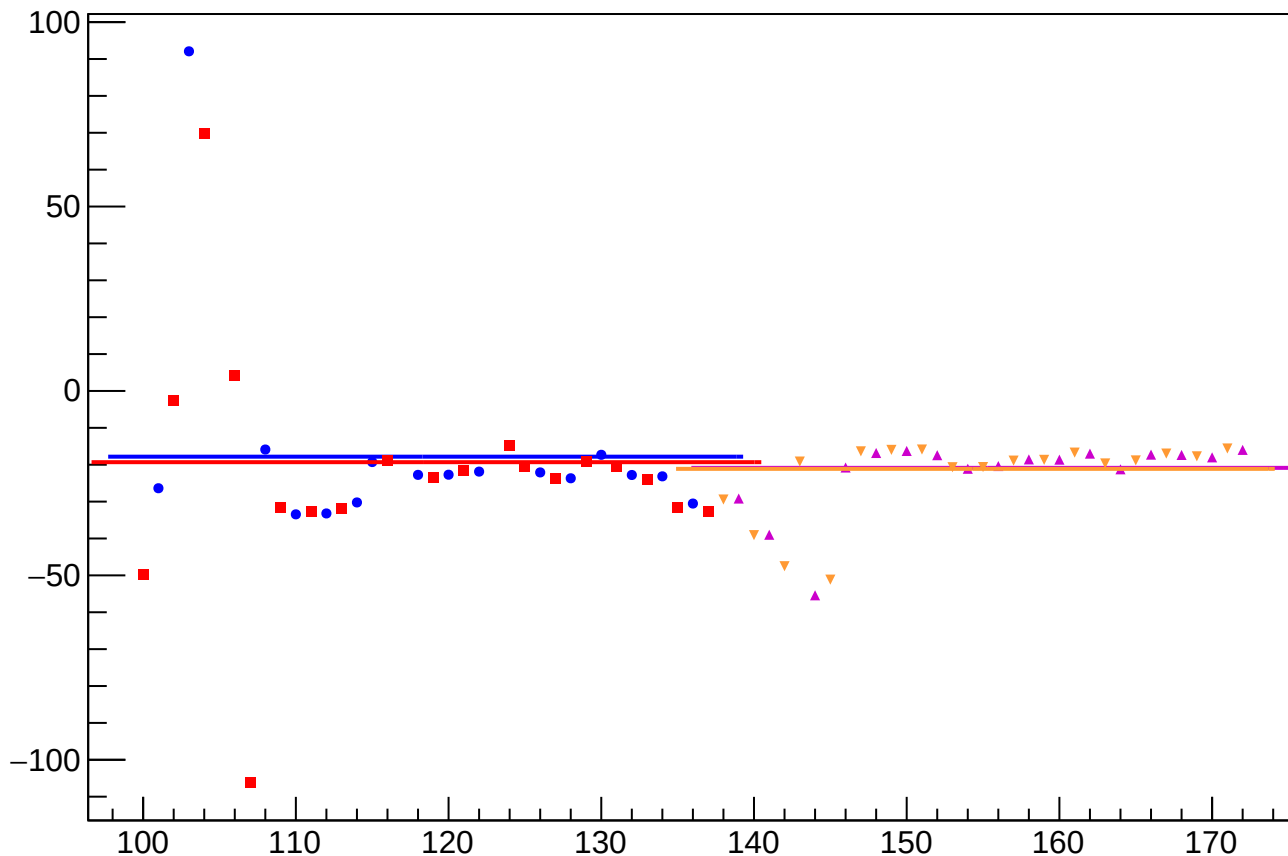
Left In: -15.199 $\pm$ 0.422 χ^2/NDF : 626.1/16

+ sign -19.493 $\pm$ 0.356 χ^2/NDF : 1857.3/33

All: -20.295 $\pm$ 0.254 χ^2/NDF : 3771.8/69

- sign -21.127 $\pm$ 0.363 χ^2/NDF : 1904.2/35

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -17.817 ± 0.043 $\chi^2/\text{NDF}: 426105.1/15$

Left Out: -21.121 ± 0.019 $\chi^2/\text{NDF}: 200067.8/17$

Right Out: -19.311 ± 0.046 $\chi^2/\text{NDF}: 344626.7/18$

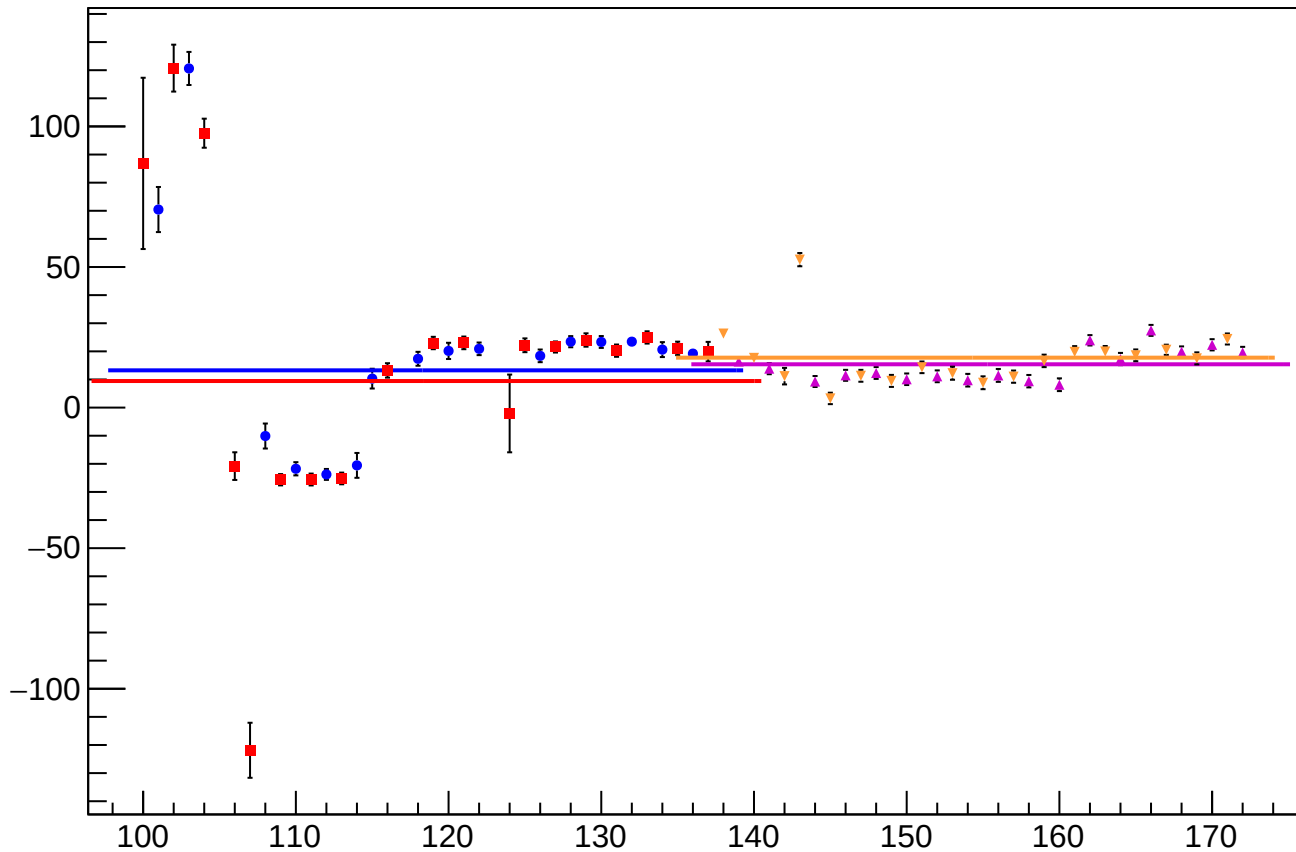
Left In: -20.850 ± 0.019 $\chi^2/\text{NDF}: 169133.2/16$

+ sign -20.594 ± 0.017 $\chi^2/\text{NDF}: 631082.1/33$

All: -20.613 ± 0.012 $\chi^2/\text{NDF}: 1145801.8/69$

- sign -20.632 ± 0.017 $\chi^2/\text{NDF}: 514717.2/35$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 13.250 $\pm$ 0.615 χ^2/NDF : 1182.5/15

Left Out: 17.759 $\pm$ 0.491 χ^2/NDF : 371.0/17

Right Out: 9.450 $\pm$ 0.615 χ^2/NDF : 1836.6/18

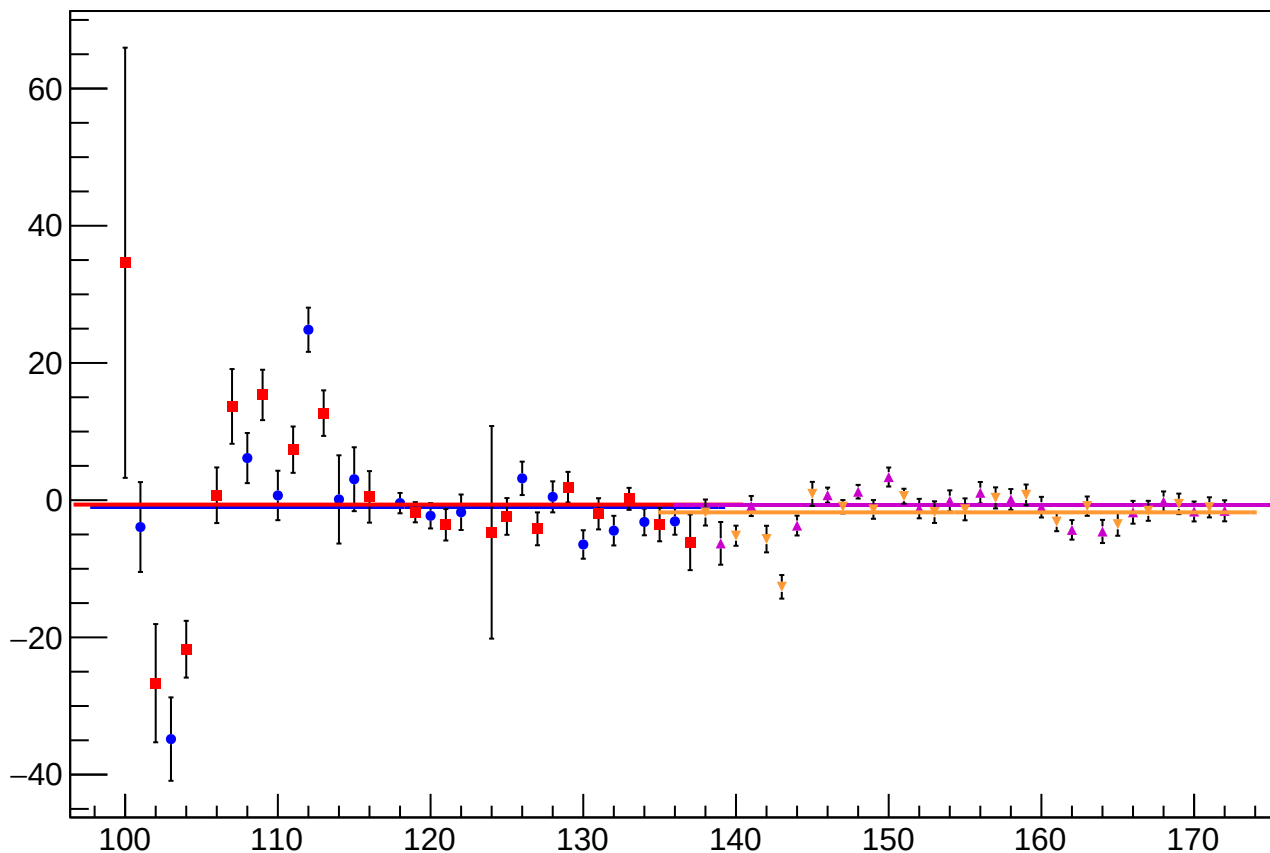
Left In: 15.404 $\pm$ 0.492 χ^2/NDF : 137.3/16

+ sign 16.002 $\pm$ 0.384 χ^2/NDF : 1586.3/33

All: 14.544 $\pm$ 0.271 χ^2/NDF : 3646.3/69

- sign 13.082 $\pm$ 0.384 χ^2/NDF : 2031.1/35

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

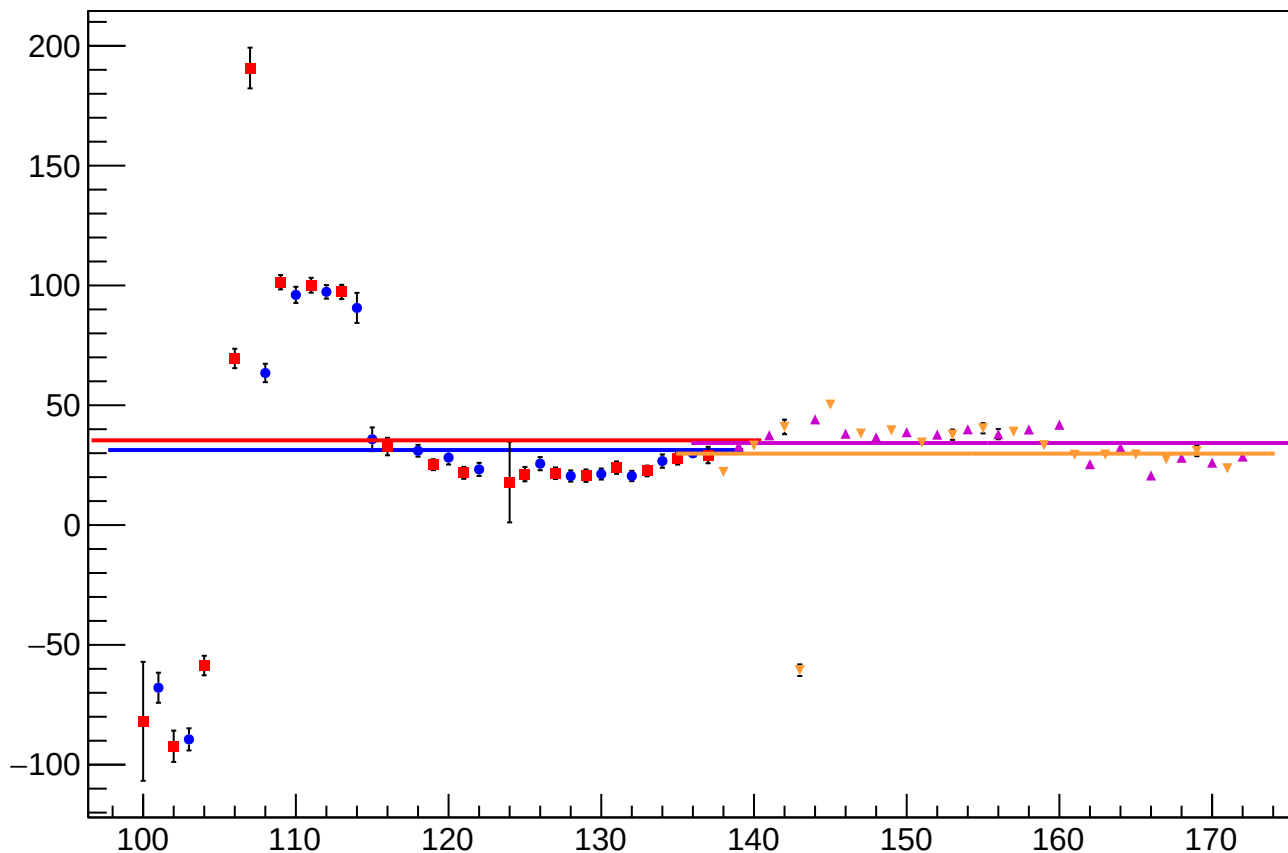
Left In: -0.702 ± 0.350 χ^2/NDF : 36.6/16

+ sign -1.593 ± 0.300 χ^2/NDF : 183.0/33

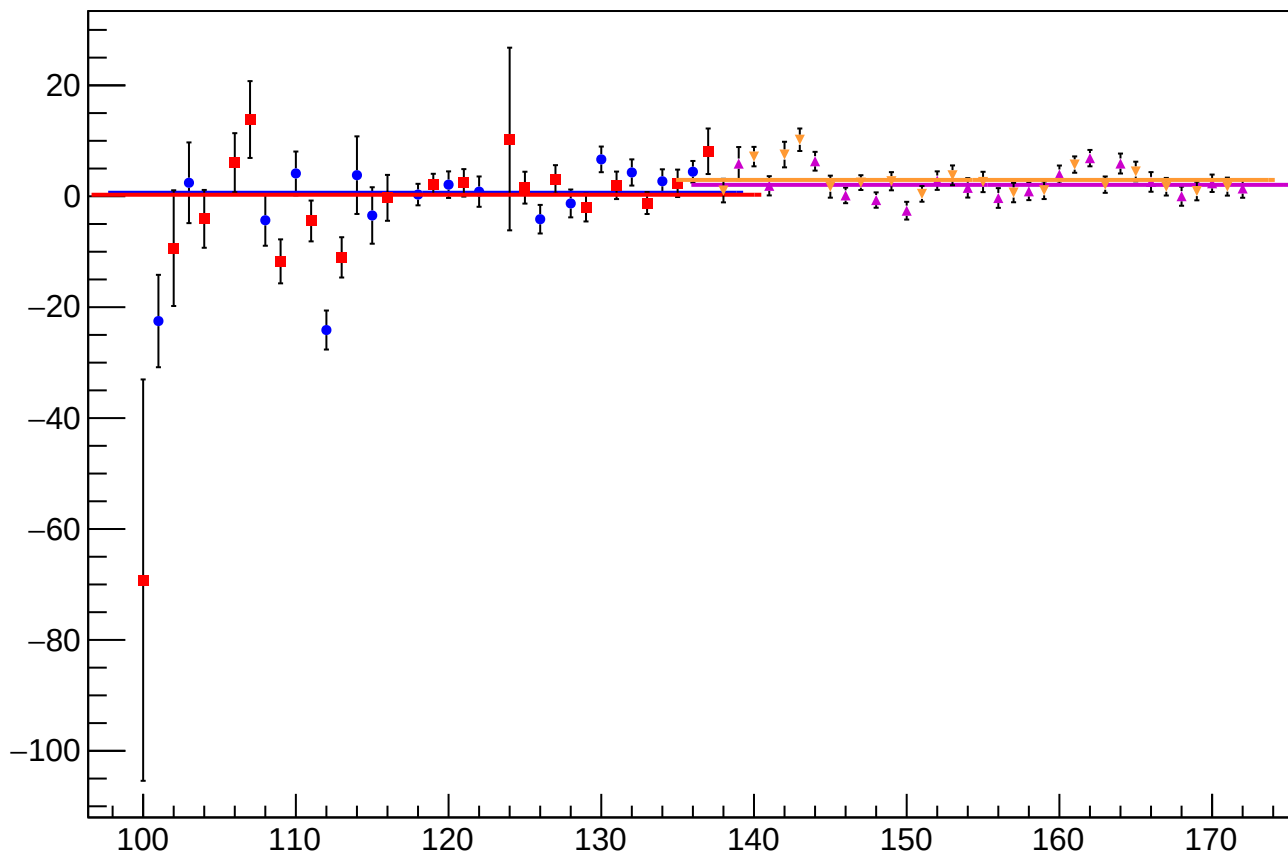
All: -1.151 ± 0.214 χ^2/NDF : 318.2/69

- sign -0.689 ± 0.306 χ^2/NDF : 130.8/35

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



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

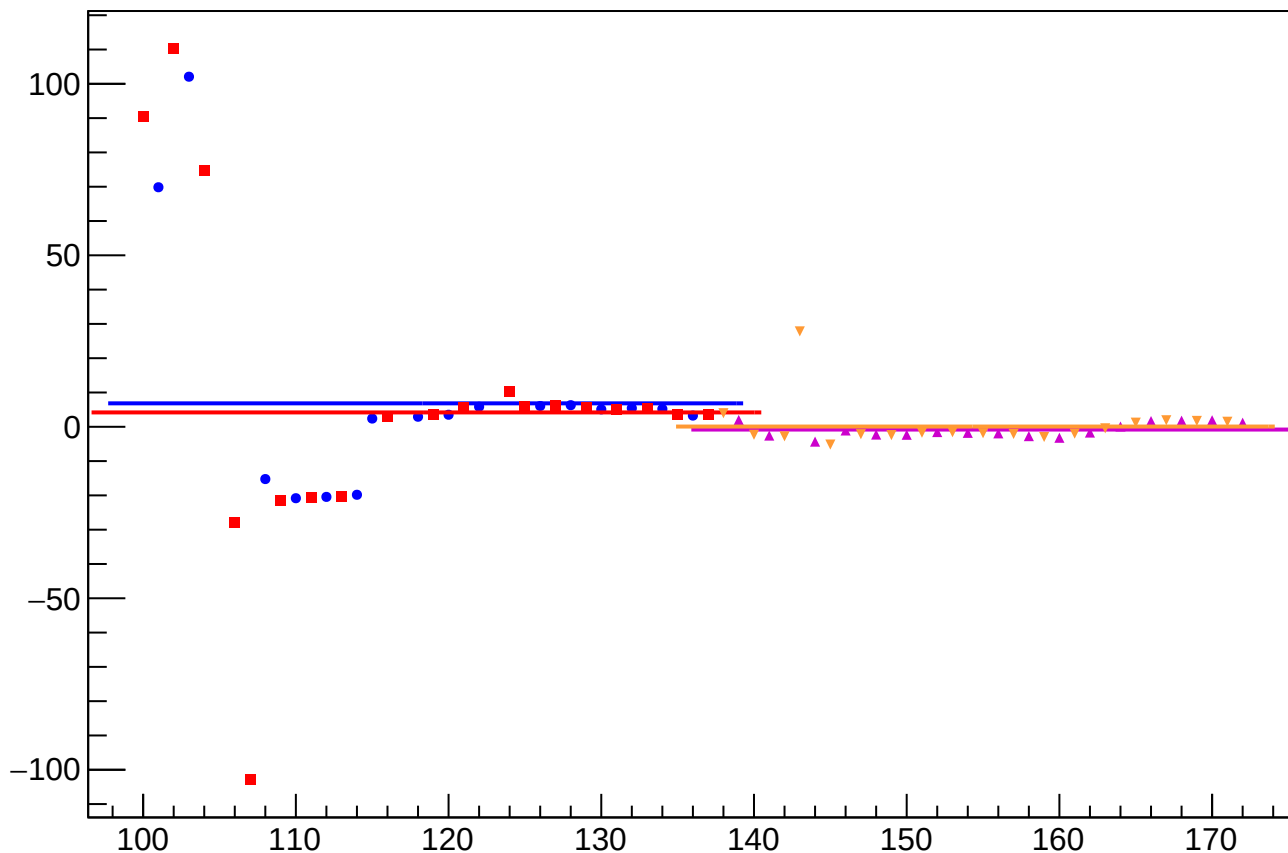
Left In: 2.060 ± 0.403 χ^2/NDF : 43.1/16

+ sign 2.392 ± 0.345 χ^2/NDF : 124.1/33

All: 2.024 ± 0.246 χ^2/NDF : 214.6/69

- sign 1.641 ± 0.352 χ^2/NDF : 88.2/35

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 6.838 ± 0.043 $\chi^2/\text{NDF}: 320954.7/15$

Left Out: 0.073 ± 0.018 $\chi^2/\text{NDF}: 93251.9/17$

Right Out: 4.190 ± 0.046 $\chi^2/\text{NDF}: 434546.8/18$

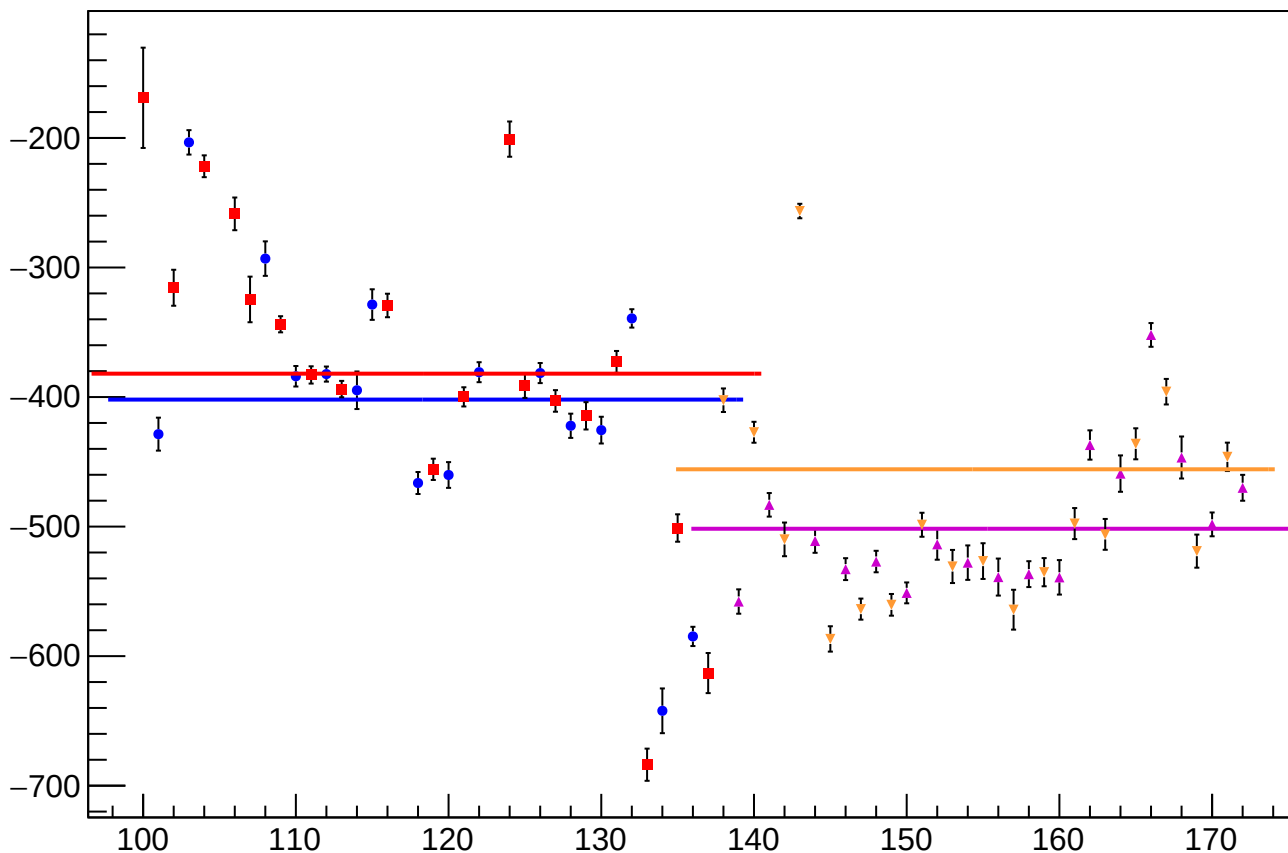
Left In: -0.806 ± 0.018 $\chi^2/\text{NDF}: 12133.8/16$

+ sign 1.077 ± 0.017 $\chi^2/\text{NDF}: 435435.7/33$

All: 0.459 ± 0.012 $\chi^2/\text{NDF}: 895086.7/69$

- sign -0.165 ± 0.017 $\chi^2/\text{NDF}: 456832.3/35$

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

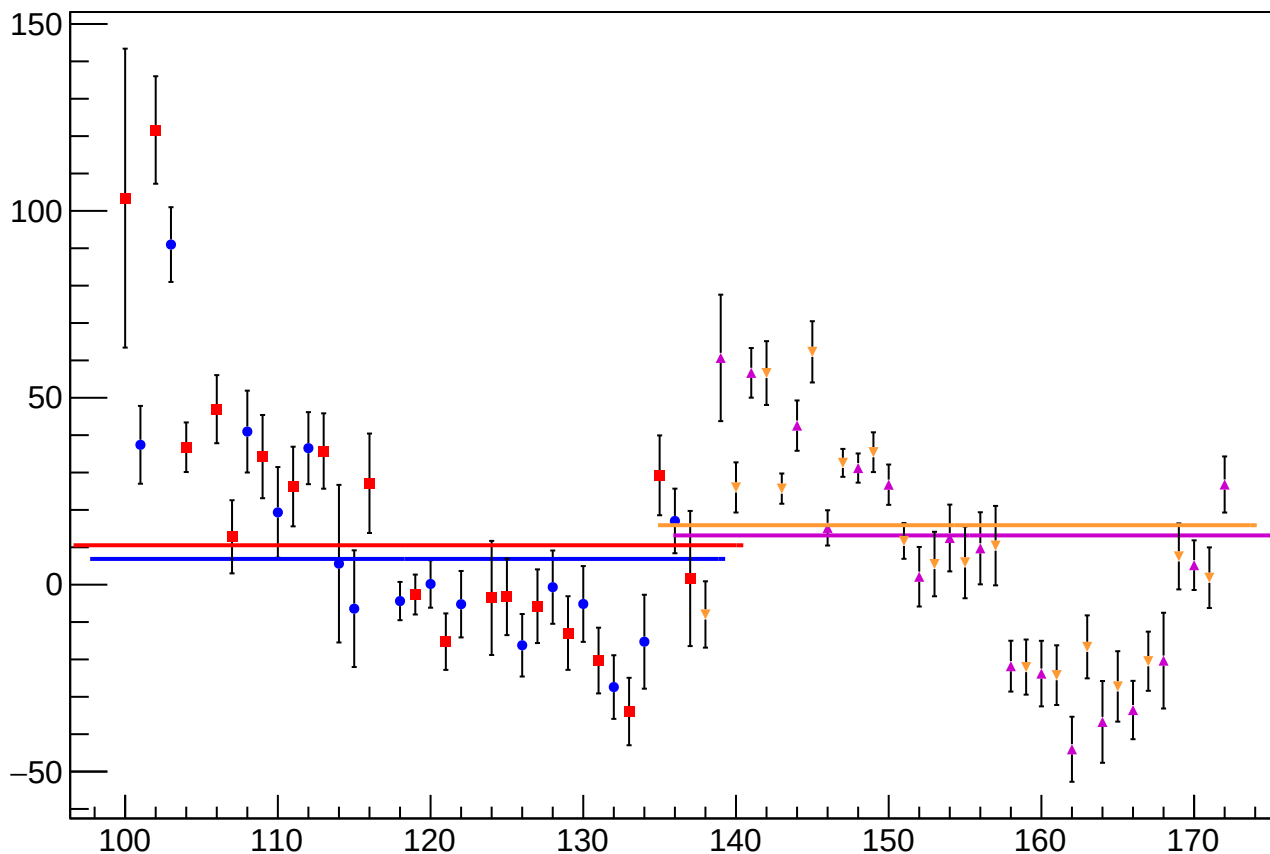
Left In: -501.672 ± 2.477 χ^2/NDF : 463.7/16

+ sign -427.931 ± 1.608 χ^2/NDF : 3971.7/33

All: -430.309 ± 1.139 χ^2/NDF : 7603.5/69

- sign -432.699 ± 1.612 χ^2/NDF : 3627.4/35

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

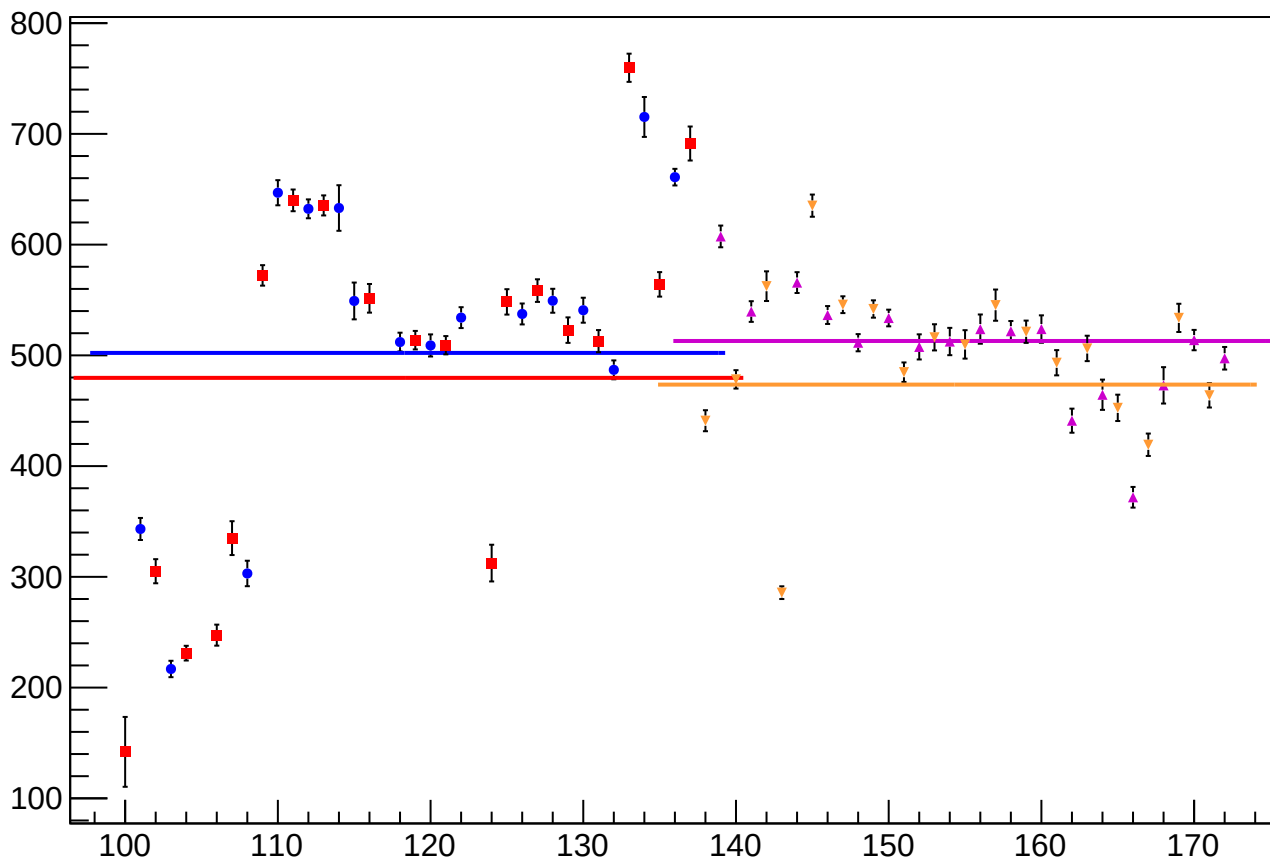
Left In: 13.178 ± 1.687 χ^2/NDF : 255.3/16

+ sign 13.012 ± 1.283 χ^2/NDF : 369.0/33

All: 12.623 ± 0.926 χ^2/NDF : 805.4/69

- sign 12.201 ± 1.338 χ^2/NDF : 436.3/35

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 502.213 ± 2.493 $\chi^2/\text{NDF}: 3135.2/15$

Left Out: 473.597 ± 2.278 $\chi^2/\text{NDF}: 1689.9/17$

Right Out: 479.679 ± 2.399 $\chi^2/\text{NDF}: 4138.5/18$

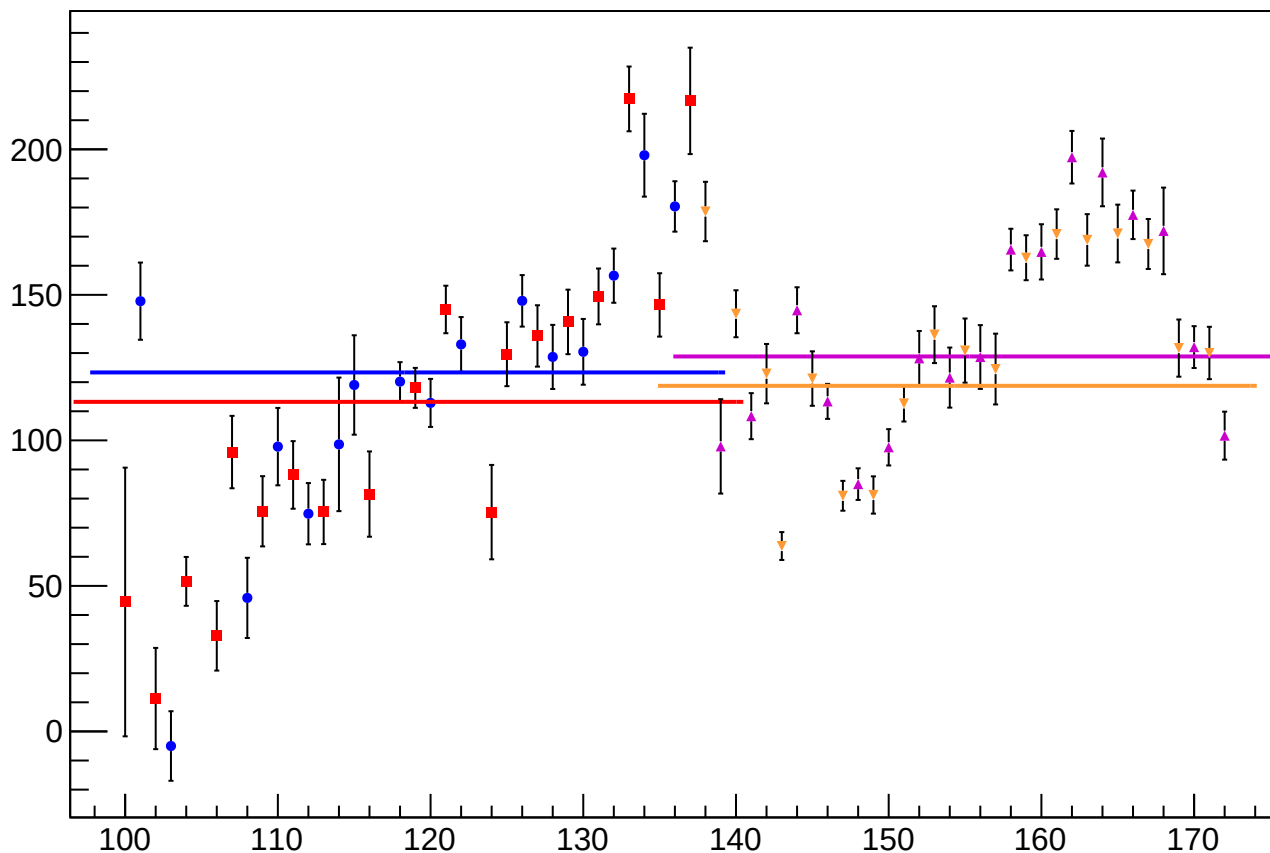
Left In: 512.986 ± 2.414 $\chi^2/\text{NDF}: 443.8/16$

+ sign 486.618 ± 1.682 $\chi^2/\text{NDF}: 4896.9/33$

All: 491.367 ± 1.196 $\chi^2/\text{NDF}: 9591.1/69$

- sign 496.231 ± 1.702 $\chi^2/\text{NDF}: 4678.1/35$

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

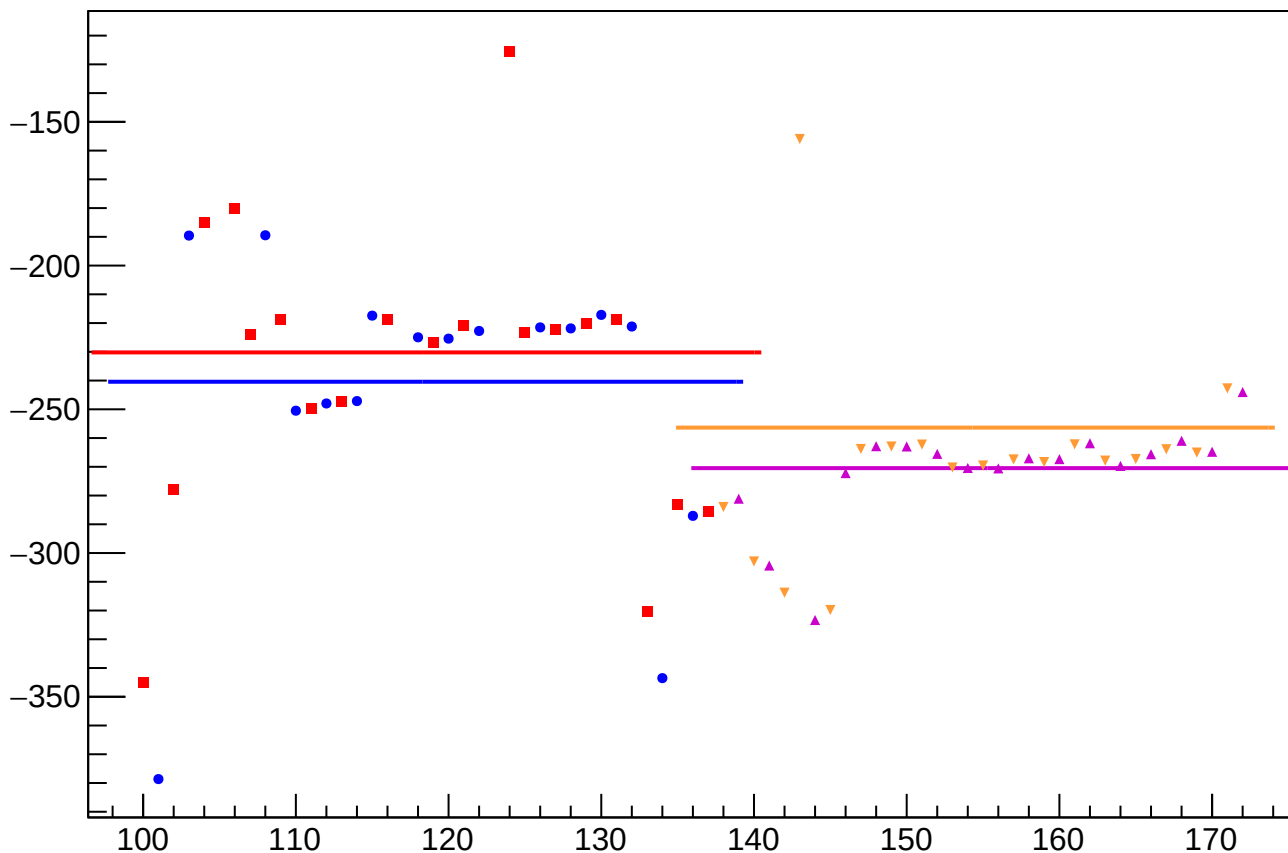
Left In: 128.832 ± 1.979 χ^2/NDF : 293.0/16

+ sign 120.264 ± 1.511 χ^2/NDF : 709.4/33

All: 121.564 ± 1.086 χ^2/NDF : 1373.1/69

- sign 122.955 ± 1.562 χ^2/NDF : 662.2/35

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

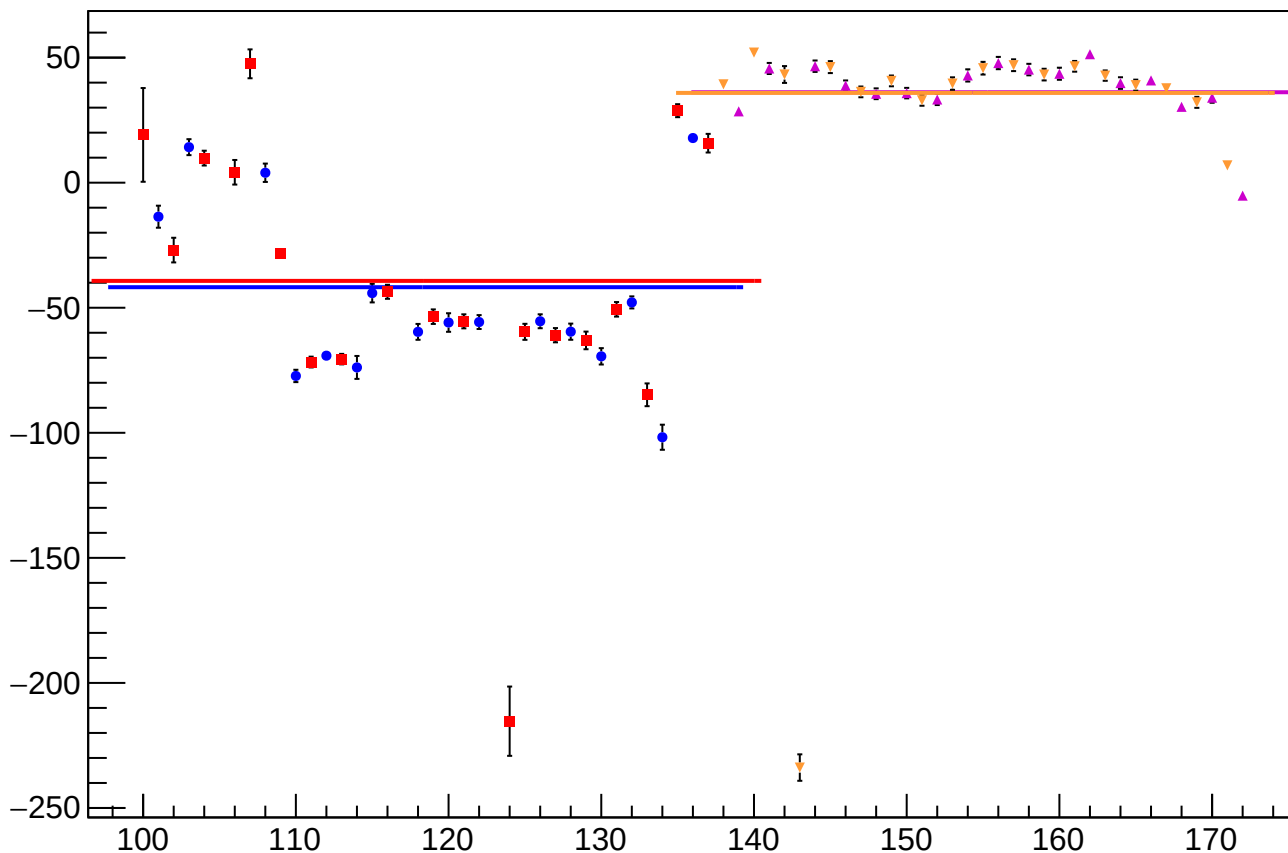
Left In: -270.461 ± 0.091 χ^2/NDF : 32998.5/16

+ sign -252.288 ± 0.076 χ^2/NDF : 384734.4/33

All: -255.683 ± 0.054 χ^2/NDF : 559586.7/69

- sign -259.198 ± 0.077 χ^2/NDF : 170807.5/35

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

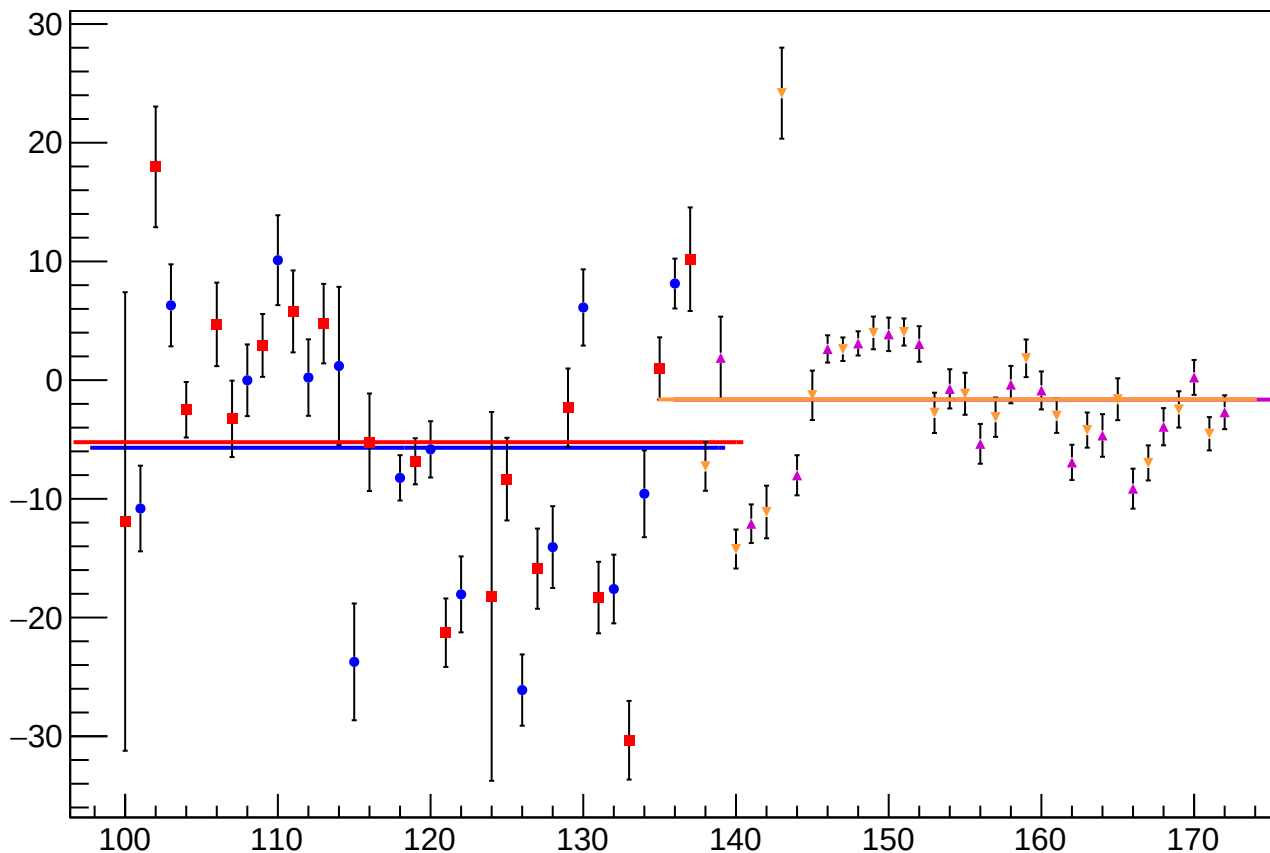
Left In: 36.158 ± 0.517 χ^2/NDF : 678.1/16

+ sign 8.854 ± 0.427 χ^2/NDF : 12957.2/33

All: 8.661 ± 0.296 χ^2/NDF : 23910.0/69

- sign 8.482 ± 0.412 χ^2/NDF : 10952.4/35

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

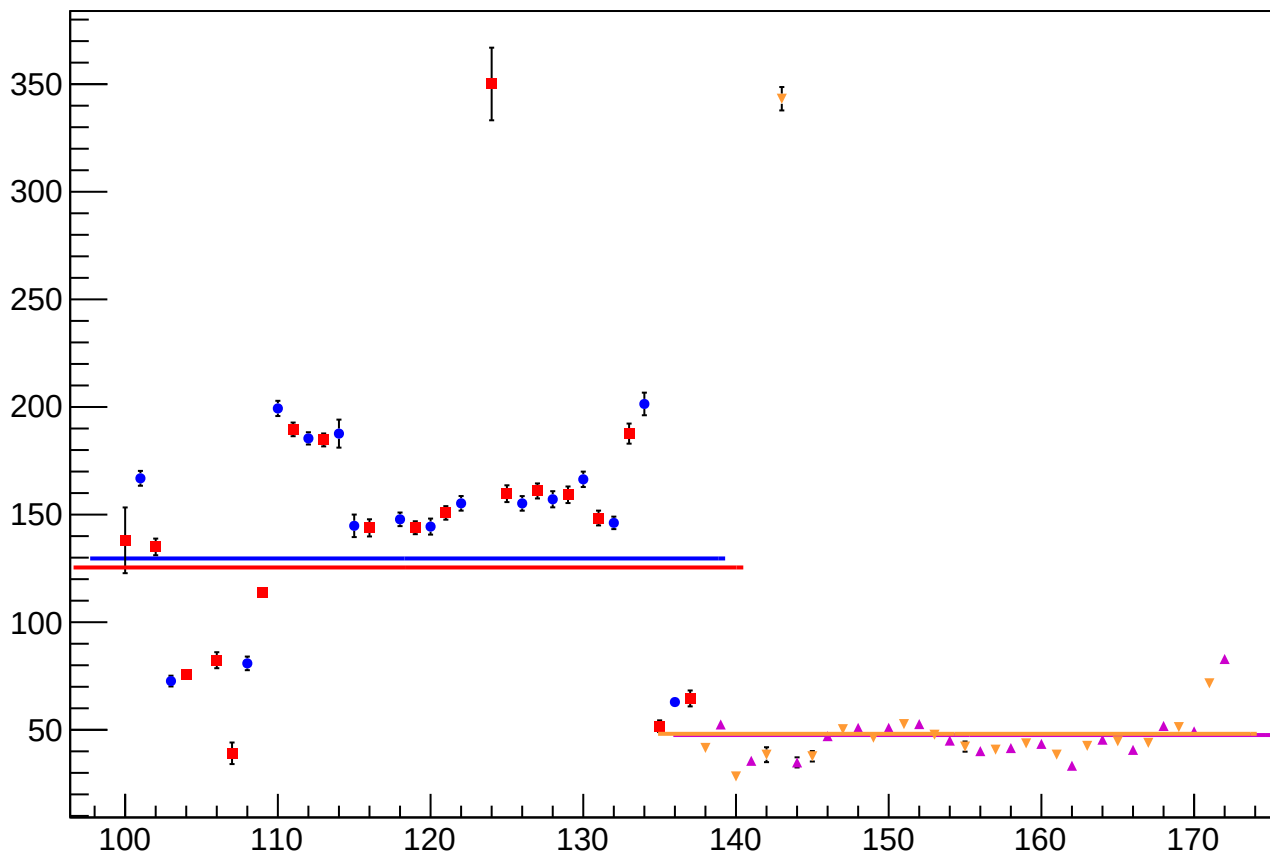
Left In: -1.640 ± 0.366 χ^2/NDF : 162.6/16

+ sign -2.402 ± 0.329 χ^2/NDF : 437.7/33

All: -2.373 ± 0.232 χ^2/NDF : 816.5/69

- sign -2.344 ± 0.328 χ^2/NDF : 378.8/35

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.621 $\pm$ 0.801 χ^2 /NDF: 3624.4/15

Left Out: 48.144 $\pm$ 0.516 χ^2 /NDF: 3298.0/17

Right Out: 125.435 $\pm$ 0.790 χ^2 /NDF: 3503.2/18

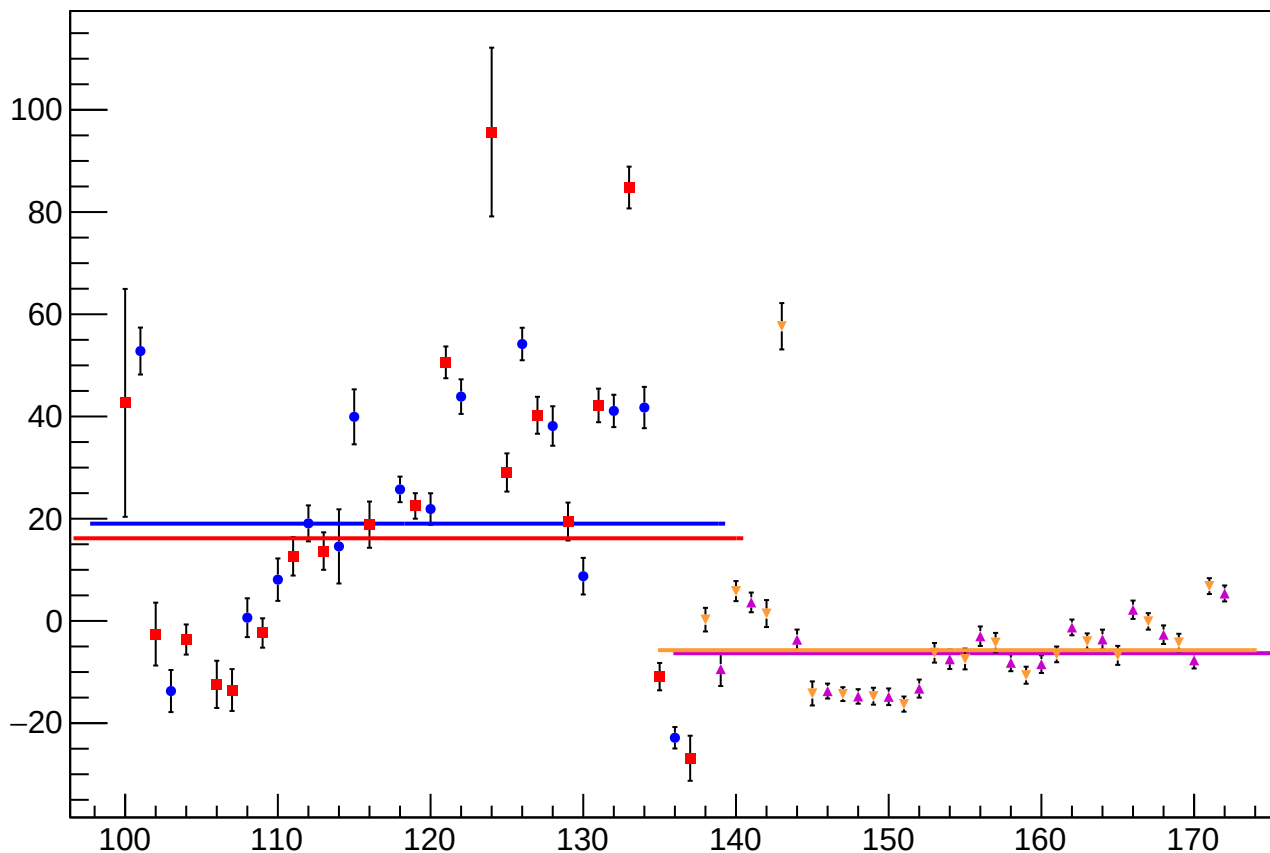
Left In: 47.578 $\pm$ 0.505 χ^2 /NDF: 515.0/16

+ sign 72.046 $\pm$ 0.434 χ^2 /NDF: 14240.7/33

All: 71.097 $\pm$ 0.304 χ^2 /NDF: 25164.3/69

- sign 70.183 $\pm$ 0.426 χ^2 /NDF: 10914.2/35

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

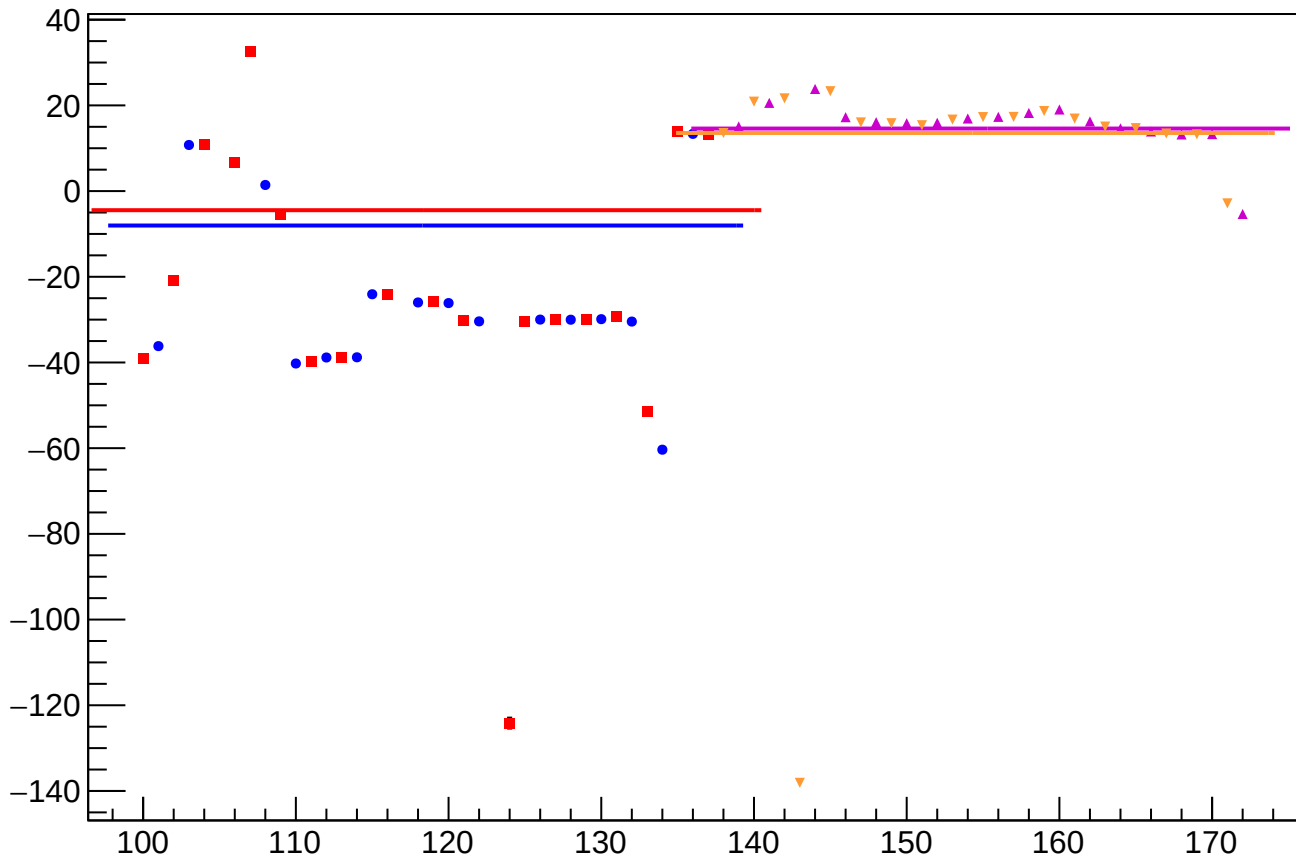
Left In: -6.309+/-0.421 χ^2 /NDF: 235.3/16

+ sign -0.911+/-0.379 χ^2 /NDF: 1993.3/33

All: -1.380+/-0.267 χ^2 /NDF: 3738.9/69

- sign -1.845+/-0.377 χ^2 /NDF: 1742.6/35

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

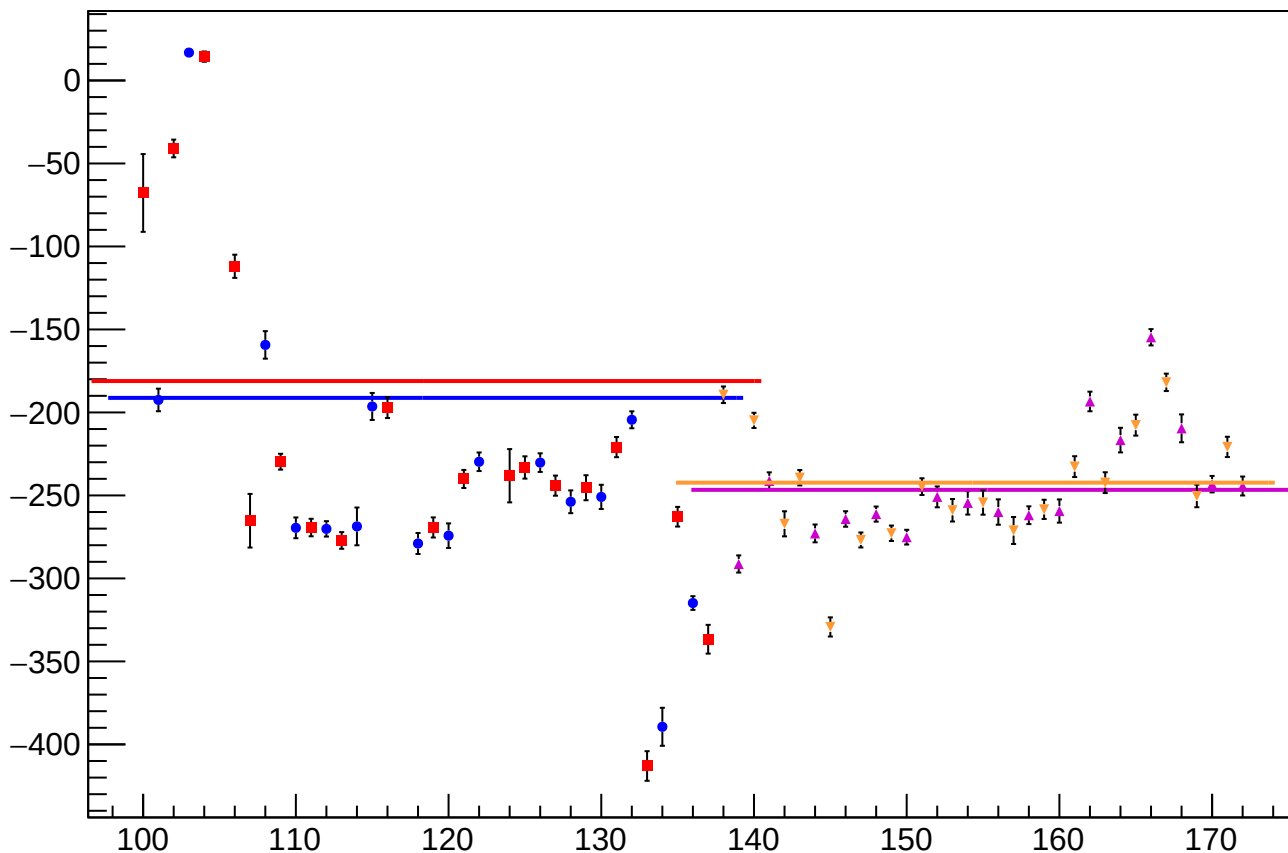
Left In: 14.594 ± 0.019 χ^2/NDF : 115714.1/16

+ sign 10.367 ± 0.018 χ^2/NDF : 1009175.5/33

All: 11.190 ± 0.012 χ^2/NDF : 1500662.2/69

- sign 11.984 ± 0.017 χ^2/NDF : 487207.4/35

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

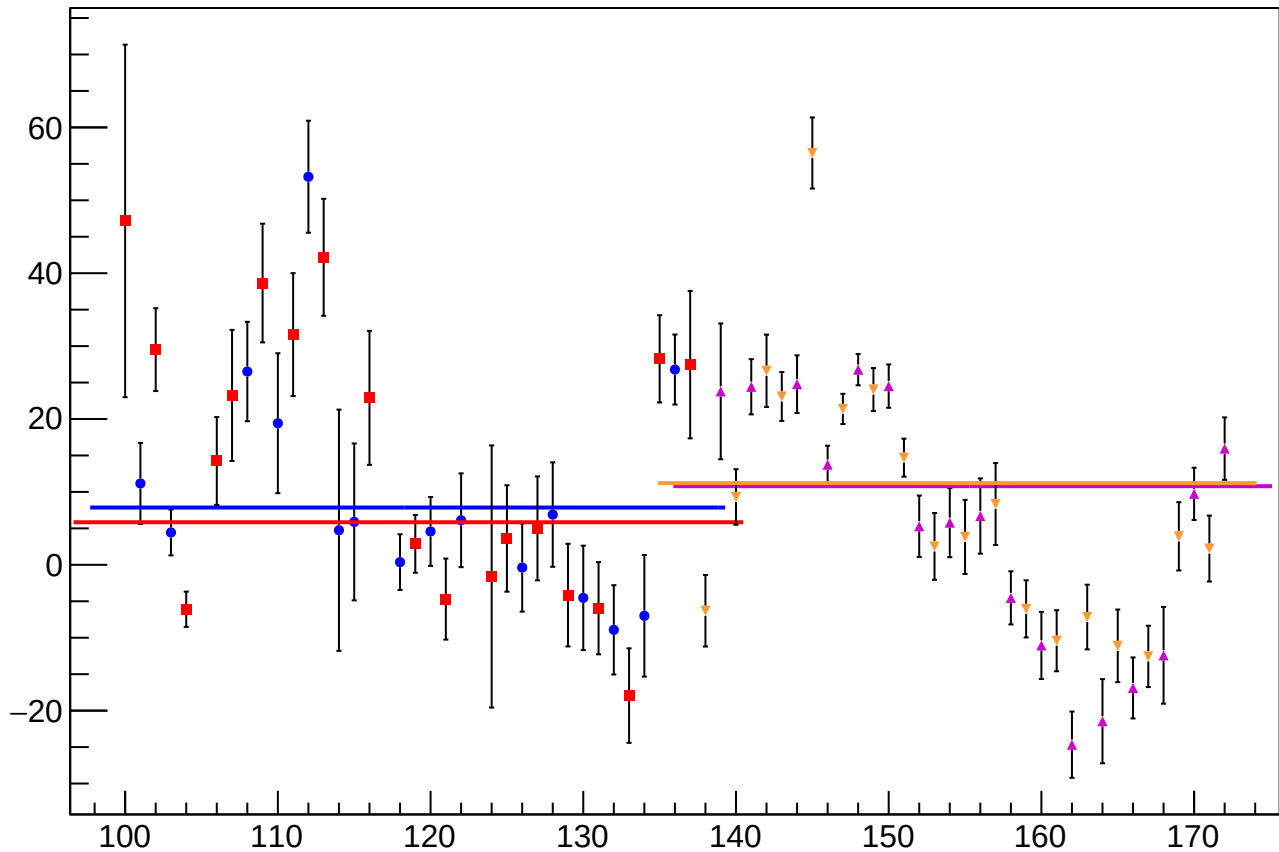
Left In: -246.638+/-1.354 χ^2/NDF : 649.0/16

+ sign -218.354+/-0.971 χ^2/NDF : 8640.8/33

All: -216.441+/-0.685 χ^2/NDF : 17819.3/69

- sign -214.543+/-0.967 χ^2/NDF : 9170.7/35

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

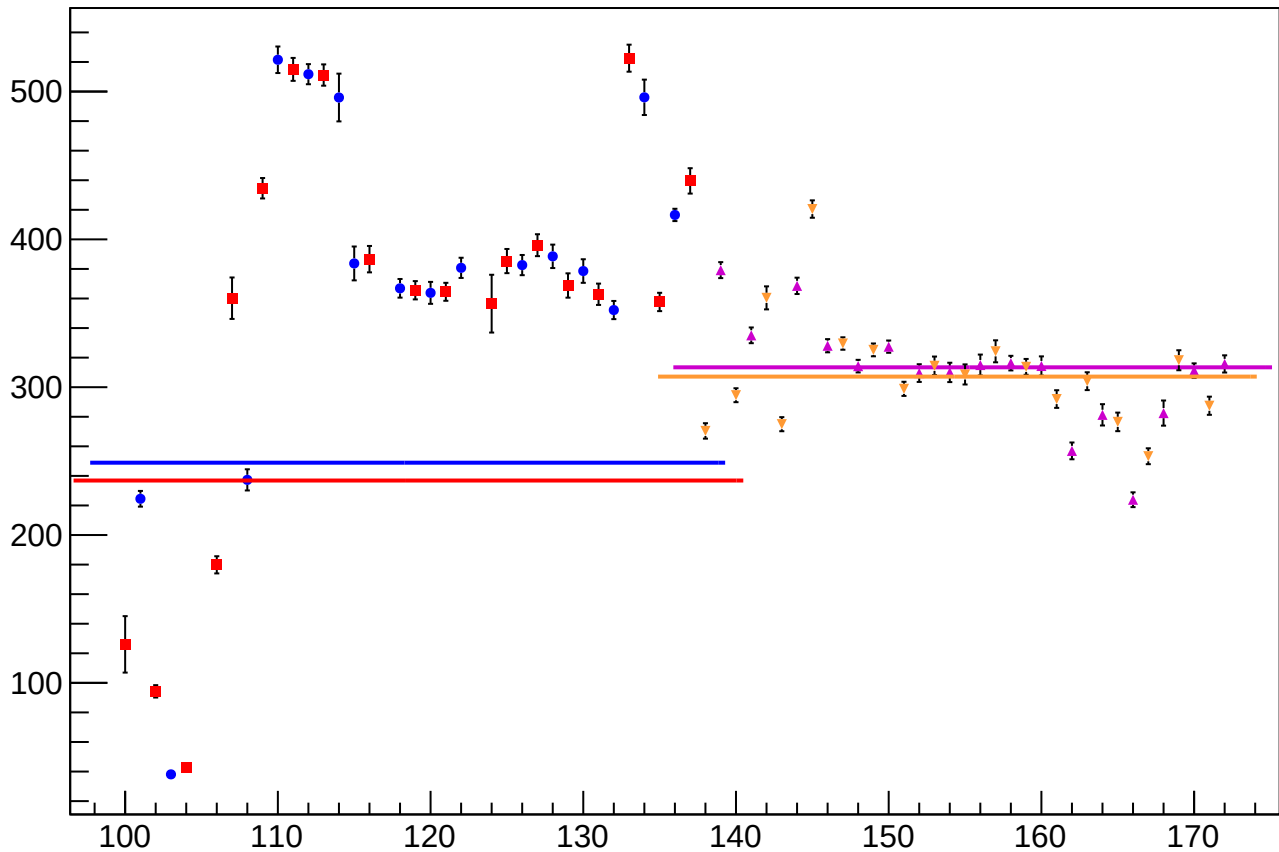
Left In: 10.789 ± 0.922 χ^2/NDF : 298.7/16

+ sign 10.275 ± 0.757 χ^2/NDF : 378.6/33

All: 9.752 ± 0.537 χ^2/NDF : 829.2/69

- sign 9.222 ± 0.763 χ^2/NDF : 449.7/35

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 248.932 ± 1.422 $\chi^2/\text{NDF}: 15302.2/15$

Left Out: 307.167 ± 1.304 $\chi^2/\text{NDF}: 720.7/17$

Right Out: 236.871 ± 1.407 $\chi^2/\text{NDF}: 15657.3/18$

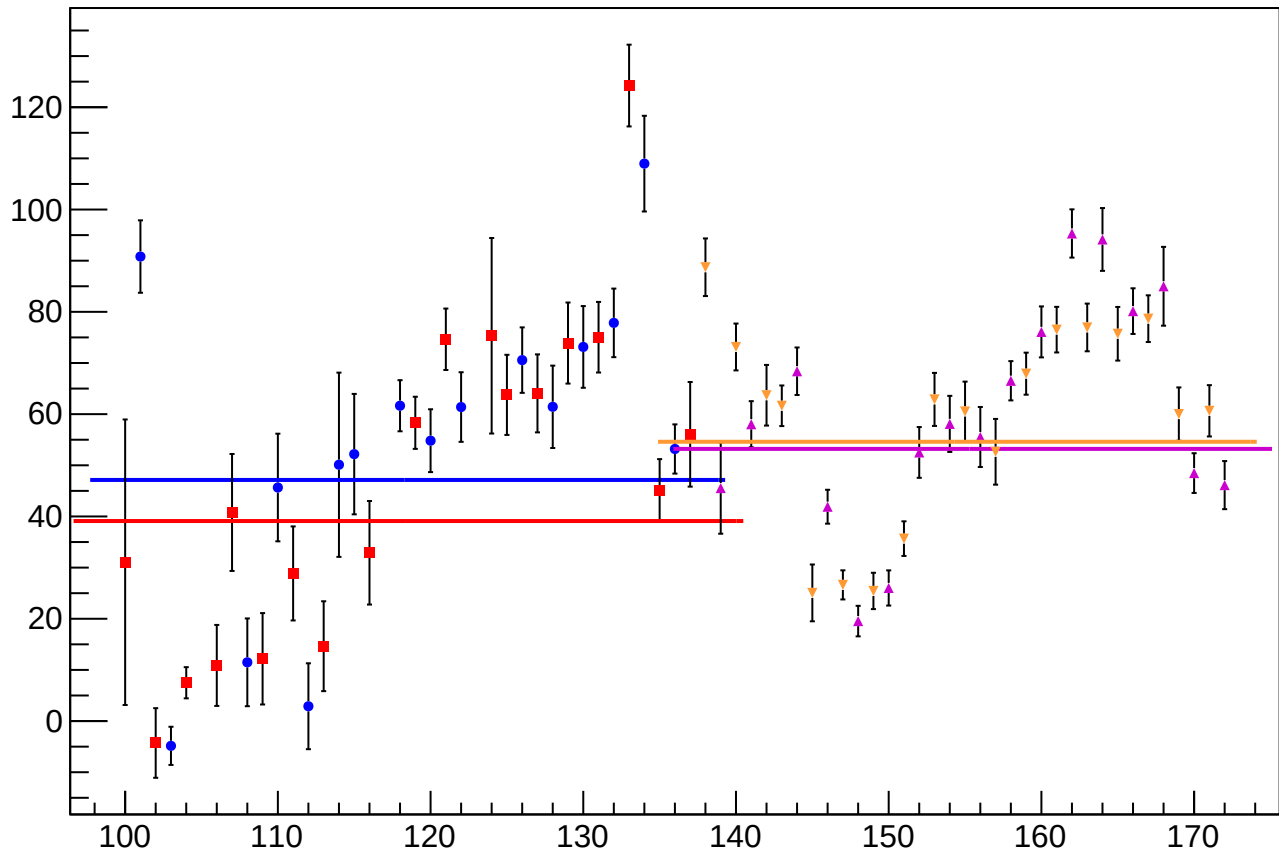
Left In: 313.447 ± 1.318 $\chi^2/\text{NDF}: 739.6/16$

+ sign 280.562 ± 0.961 $\chi^2/\text{NDF}: 16934.2/33$

All: 279.106 ± 0.680 $\chi^2/\text{NDF}: 34913.7/69$

- sign 277.649 ± 0.962 $\chi^2/\text{NDF}: 17974.9/35$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.137 $\pm$ 1.668 χ^2 /NDF: 385.3/15

Left Out: 54.601 $\pm$ 1.054 χ^2 /NDF: 390.1/17

Right Out: 39.105 $\pm$ 1.596 χ^2 /NDF: 416.5/18

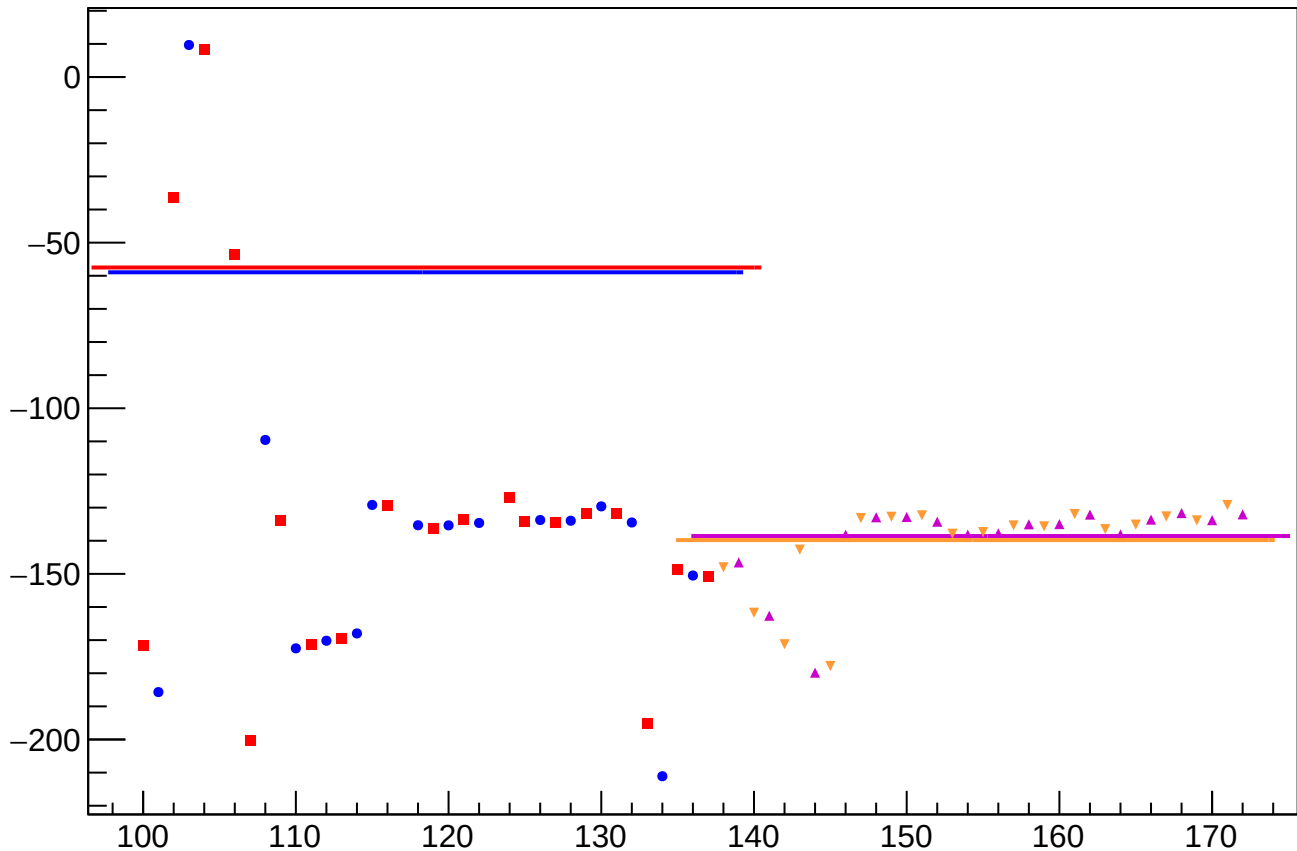
Left In: 53.206 $\pm$ 1.080 χ^2 /NDF: 429.3/16

+ sign 52.472 $\pm$ 0.891 χ^2 /NDF: 789.8/33

All: 50.632 $\pm$ 0.631 χ^2 /NDF: 1697.6/69

- sign 48.776 $\pm$ 0.894 χ^2 /NDF: 899.3/35

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

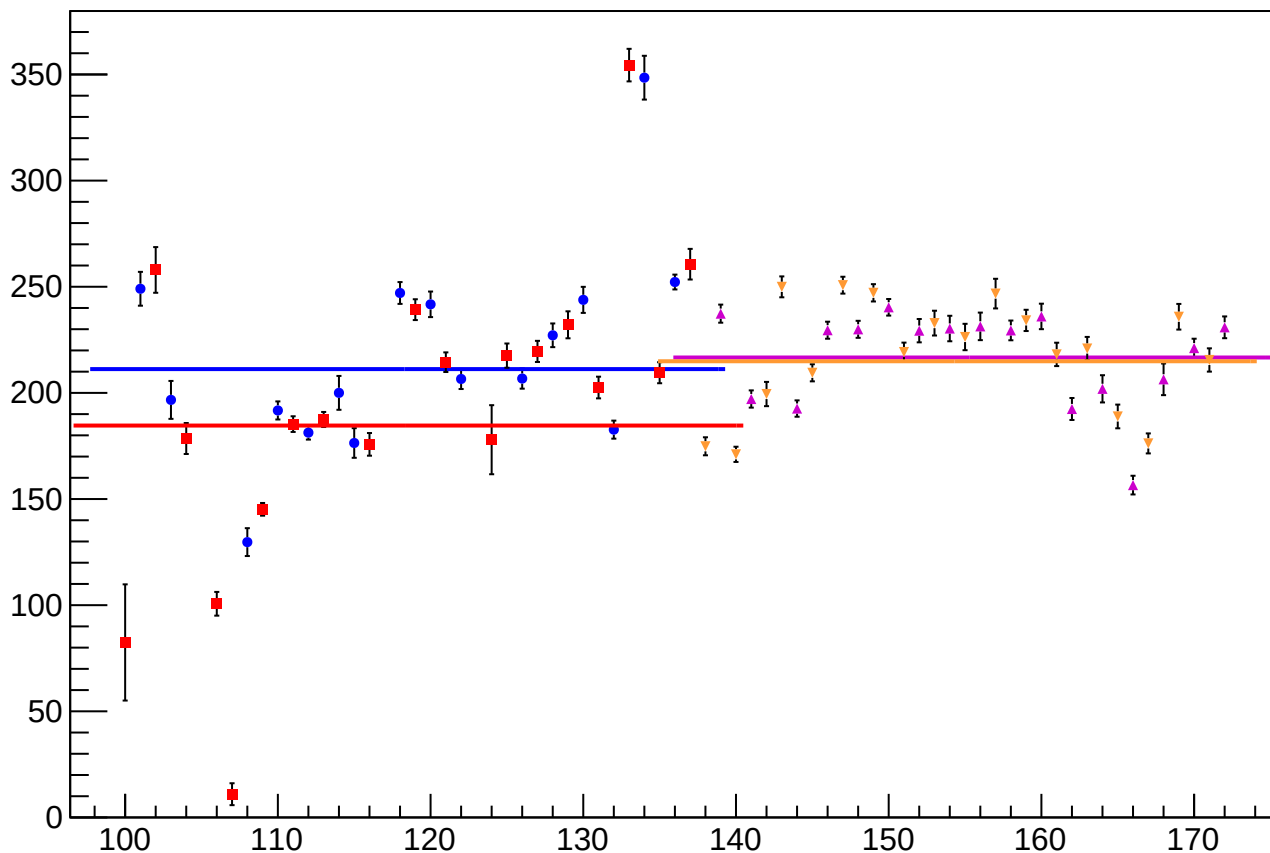
Left In: -138.574 ± 0.050 χ^2/NDF : 48895.9/16

+ sign -113.811 ± 0.041 χ^2/NDF : 2129093.7/33

All: -113.656 ± 0.029 χ^2/NDF : 3872677.9/69

- sign -113.500 ± 0.041 χ^2/NDF : 1743555.8/35

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 211.210 $\pm$ 1.296 χ^2 /NDF: 783.0/15

Left Out: 214.902 $\pm$ 1.146 χ^2 /NDF: 594.5/17

Right Out: 184.614 $\pm$ 1.194 χ^2 /NDF: 2540.4/18

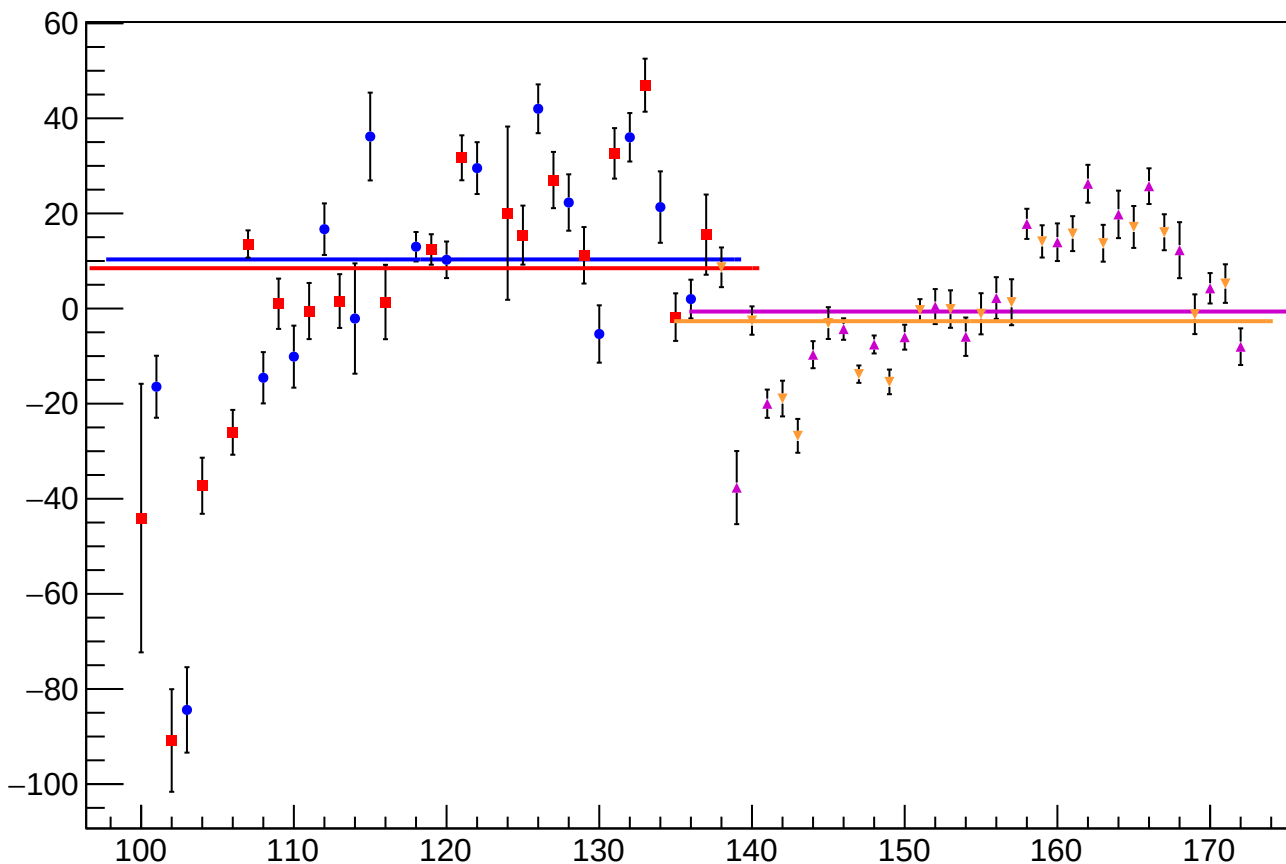
Left In: 216.671 $\pm$ 1.153 χ^2 /NDF: 401.1/16

+ sign 213.281 $\pm$ 0.859 χ^2 /NDF: 1382.1/33

All: 207.031 $\pm$ 0.597 χ^2 /NDF: 4799.0/69

- sign 201.198 $\pm$ 0.829 χ^2 /NDF: 3314.4/35

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

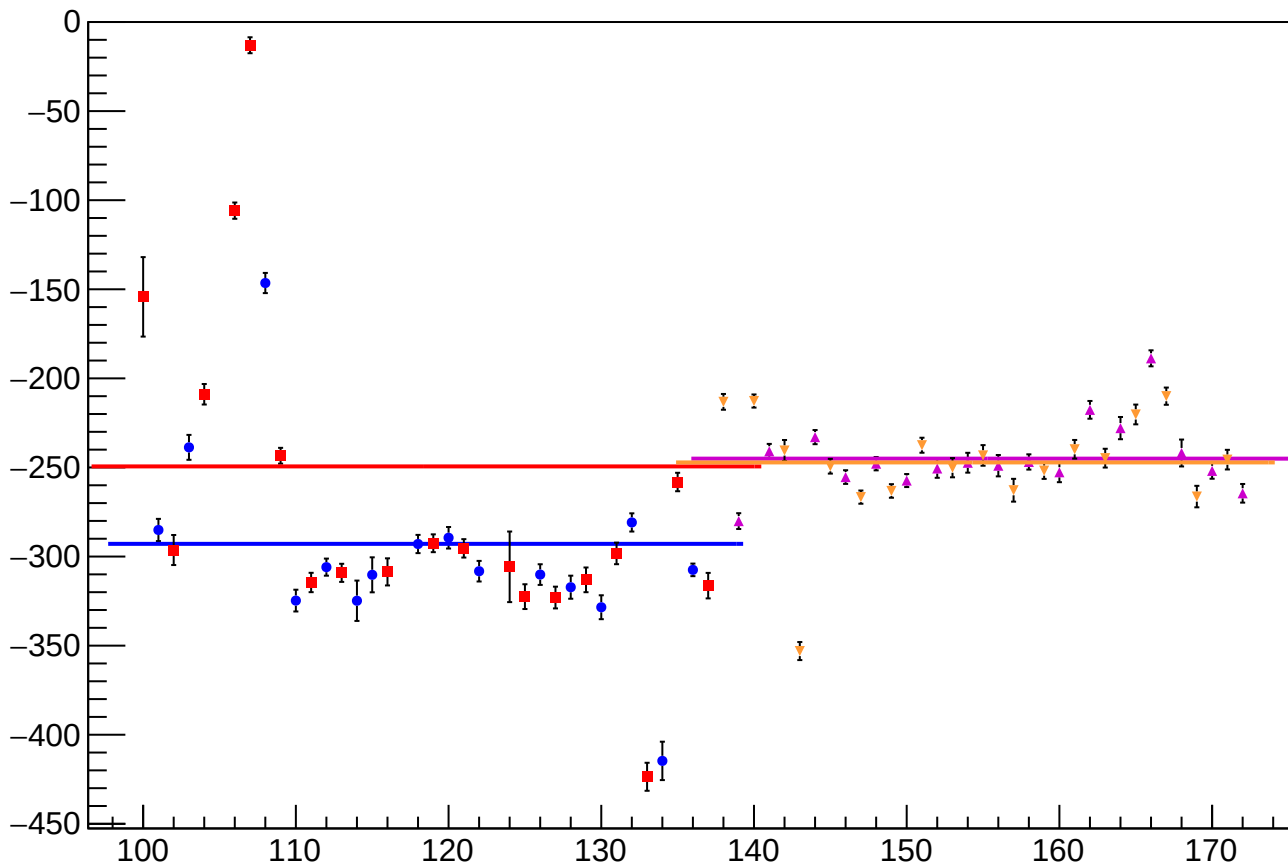
Left In: -0.629 ± 0.792 χ^2/NDF : 268.3/16

+ sign 0.608 ± 0.668 χ^2/NDF : 586.2/33

All: 1.335 ± 0.471 χ^2/NDF : 1218.2/69

- sign 2.055 ± 0.665 χ^2/NDF : 629.7/35

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

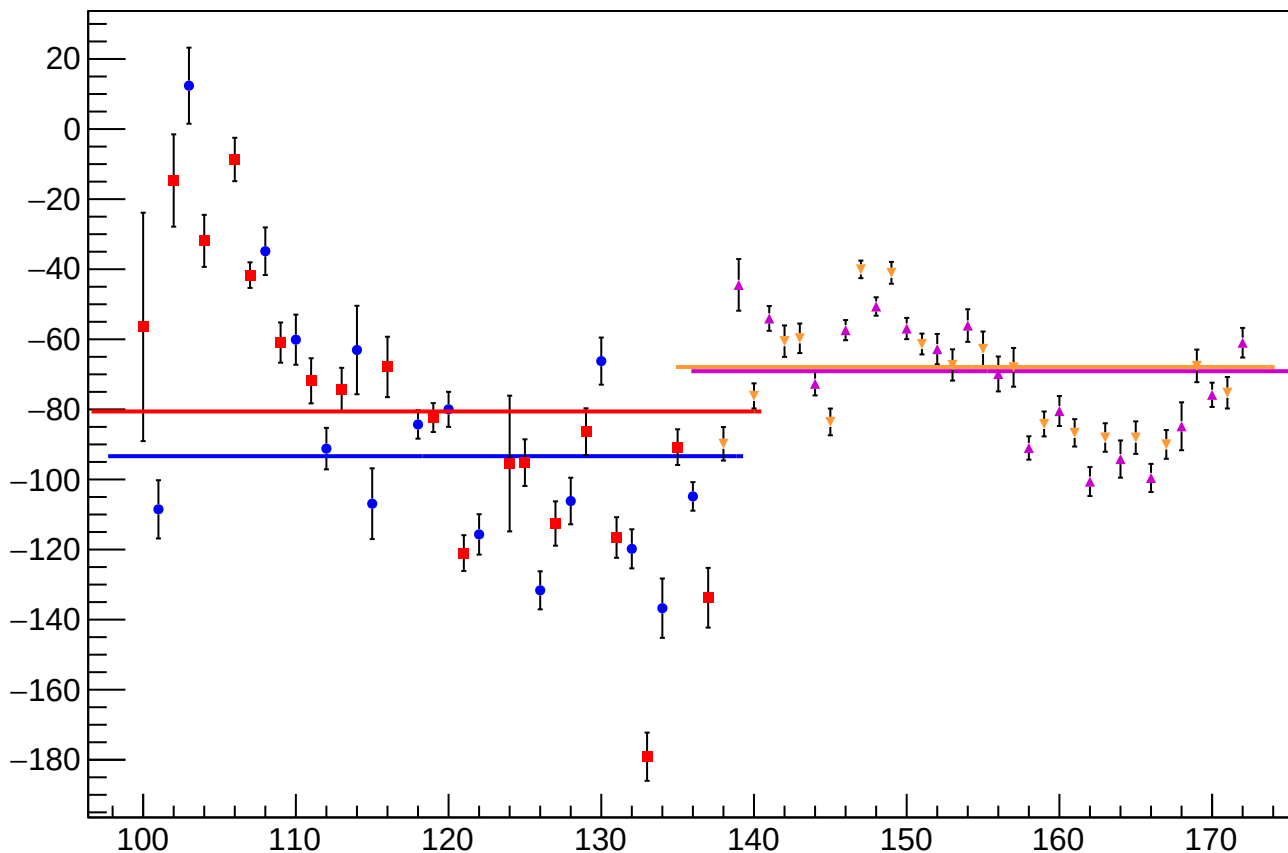
Left In: -245.051 ± 1.125 χ^2/NDF : 307.0/16

+ sign -264.058 ± 0.892 χ^2/NDF : 2333.5/33

All: -255.209 ± 0.623 χ^2/NDF : 8206.8/69

- sign -246.808 ± 0.869 χ^2/NDF : 5681.5/35

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

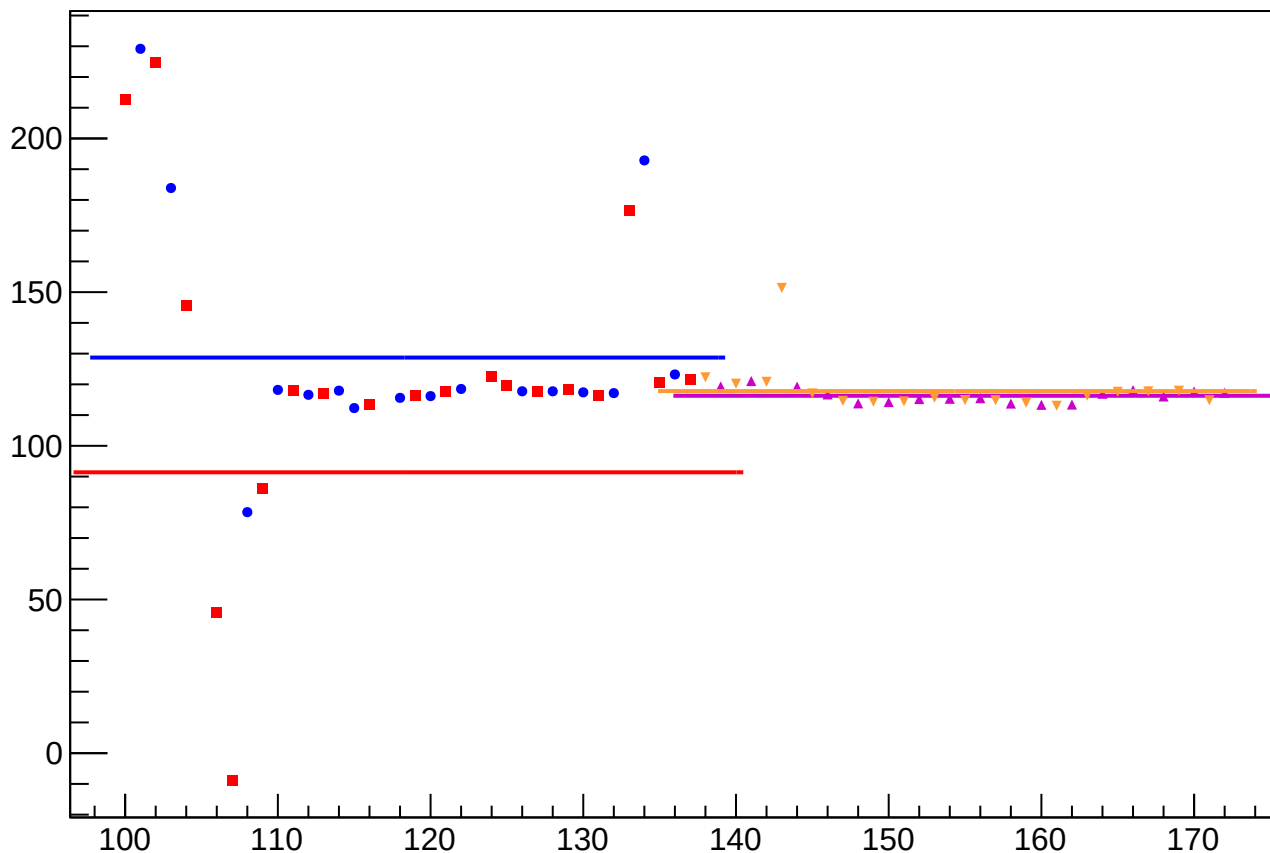
Left In: -69.102 ± 0.927 χ^2/NDF : 324.0/16

+ sign -74.552 ± 0.784 χ^2/NDF : 931.1/33

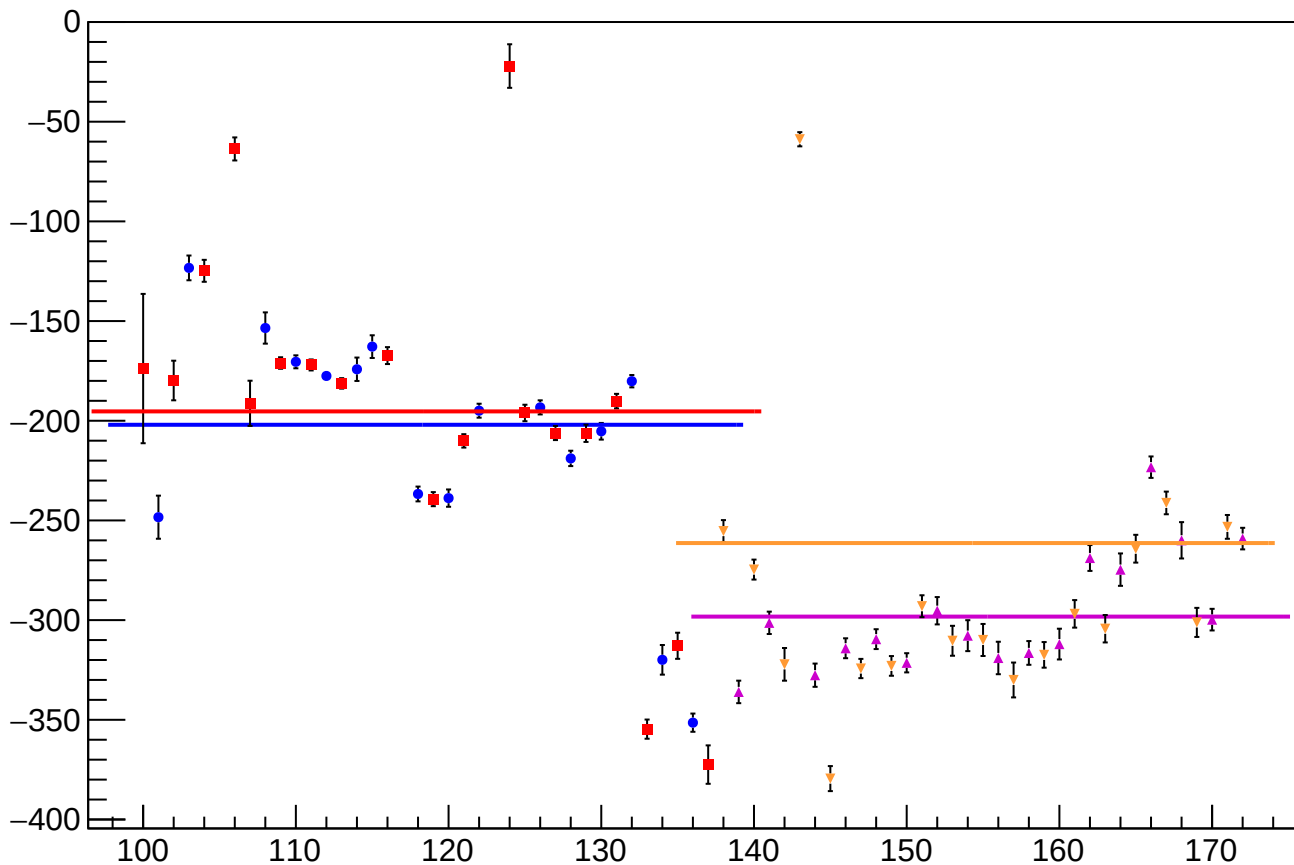
All: -73.526 ± 0.552 χ^2/NDF : 2019.5/69

- sign -72.520 ± 0.777 χ^2/NDF : 1085.0/35

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -202.020 ± 1.024 $\chi^2/\text{NDF}: 2040.4/15$

Left Out: -261.347 ± 1.387 $\chi^2/\text{NDF}: 4343.0/17$

Right Out: -195.311 ± 0.974 $\chi^2/\text{NDF}: 3100.7/18$

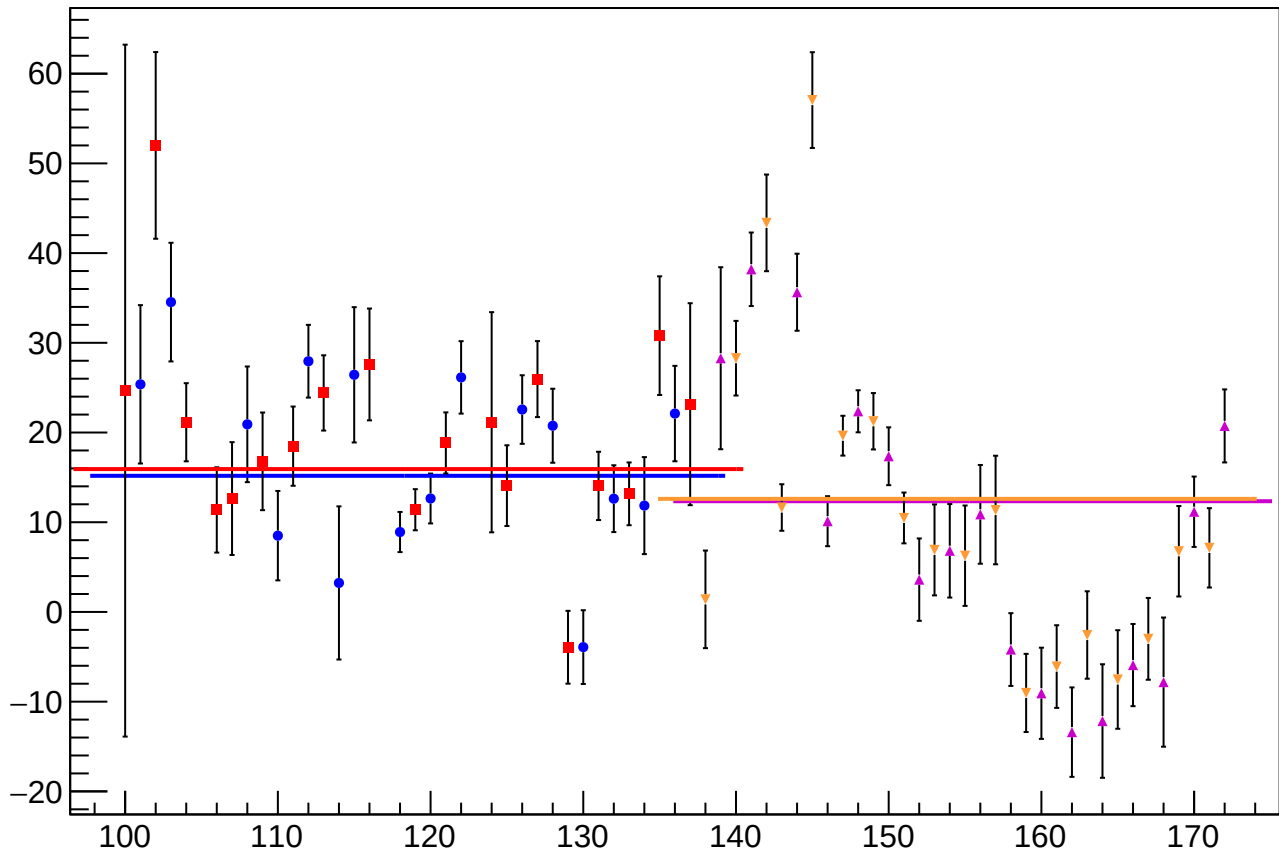
Left In: -298.237 ± 1.462 $\chi^2/\text{NDF}: 423.1/16$

+ sign -222.959 ± 0.824 $\chi^2/\text{NDF}: 7567.9/33$

All: -224.991 ± 0.578 $\chi^2/\text{NDF}: 14536.6/69$

- sign -226.958 ± 0.811 $\chi^2/\text{NDF}: 6956.8/35$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175 $\pm$ 1.048 χ^2 /NDF: 72.3/15

Left Out: 12.606 $\pm$ 0.932 χ^2 /NDF:220.2/17

Right Out: 15.925 $\pm$ 1.037 χ^2 /NDF: 63.5/18

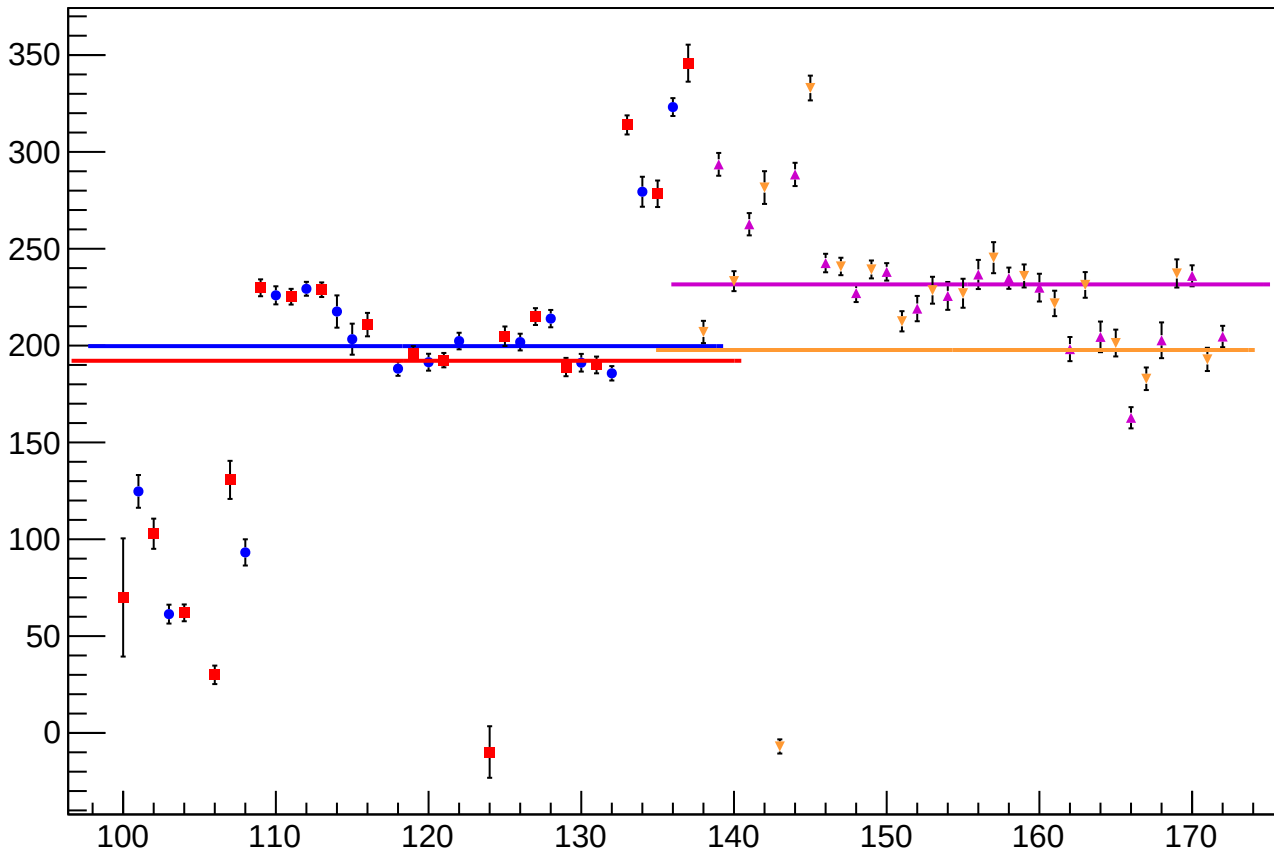
Left In: 12.342 $\pm$ 0.998 χ^2 /NDF:201.9/16

+ sign 13.741 $\pm$ 0.696 χ^2 /NDF: 295.9/33

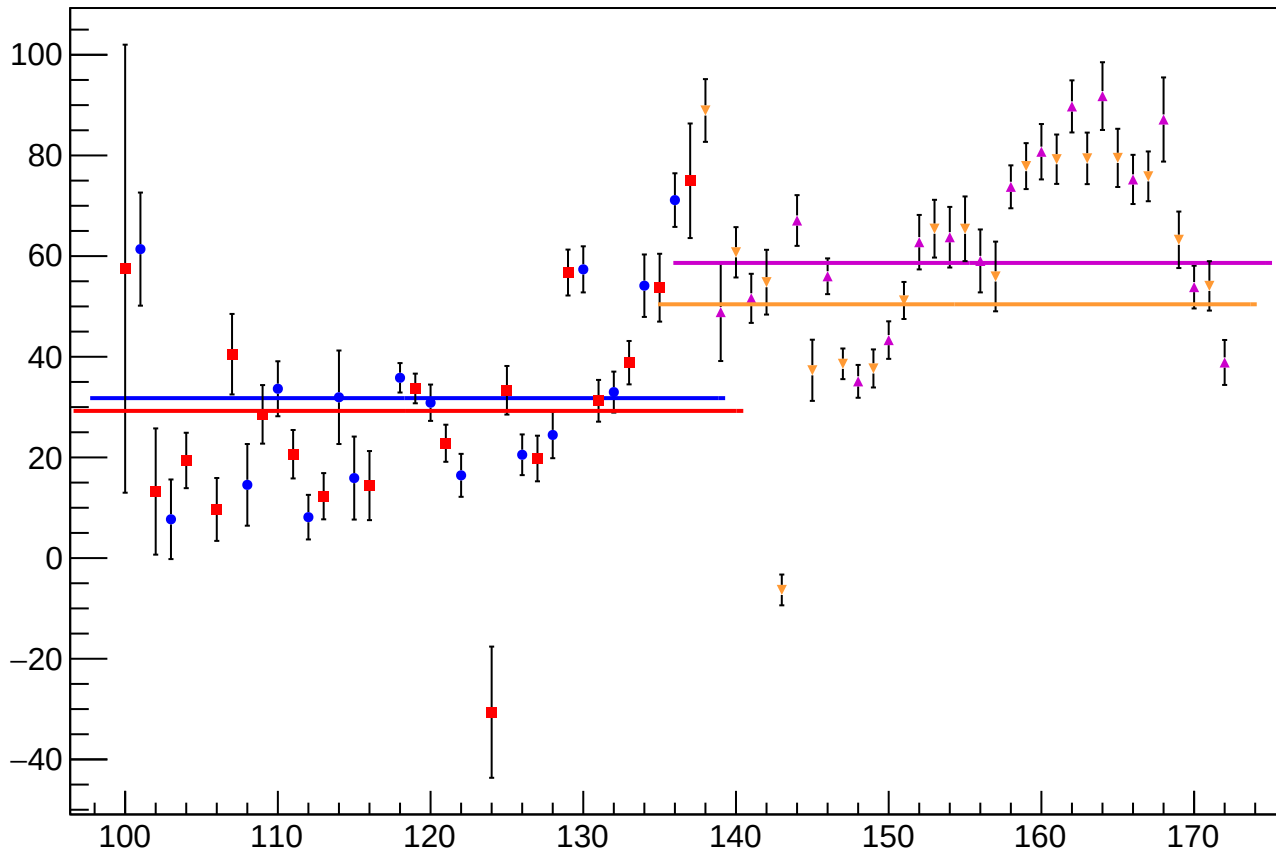
All: 13.898 $\pm$ 0.500 χ^2 /NDF: 567.7/69

- sign 14.065 $\pm$ 0.719 χ^2 /NDF: 271.7/35

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.782 ± 1.217 $\chi^2/\text{NDF}: 177.0/15$

Left Out: 50.428 ± 1.102 $\chi^2/\text{NDF}: 591.6/17$

Right Out: 29.245 ± 1.197 $\chi^2/\text{NDF}: 140.9/18$

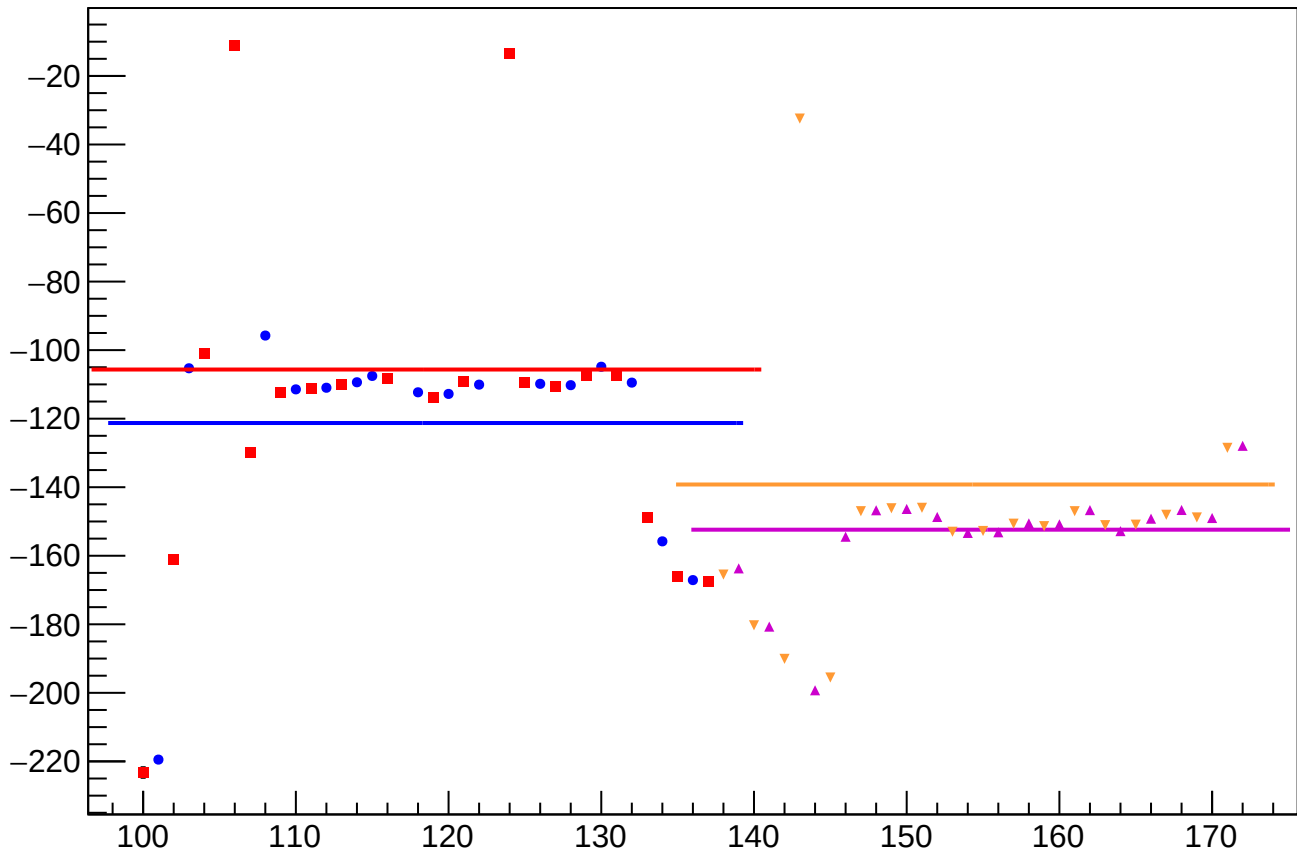
Left In: 58.647 ± 1.168 $\chi^2/\text{NDF}: 209.7/16$

+ sign 42.020 ± 0.817 $\chi^2/\text{NDF}: 897.5/33$

All: 43.137 ± 0.584 $\chi^2/\text{NDF}: 1561.3/69$

- sign 44.306 ± 0.836 $\chi^2/\text{NDF}: 659.9/35$

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

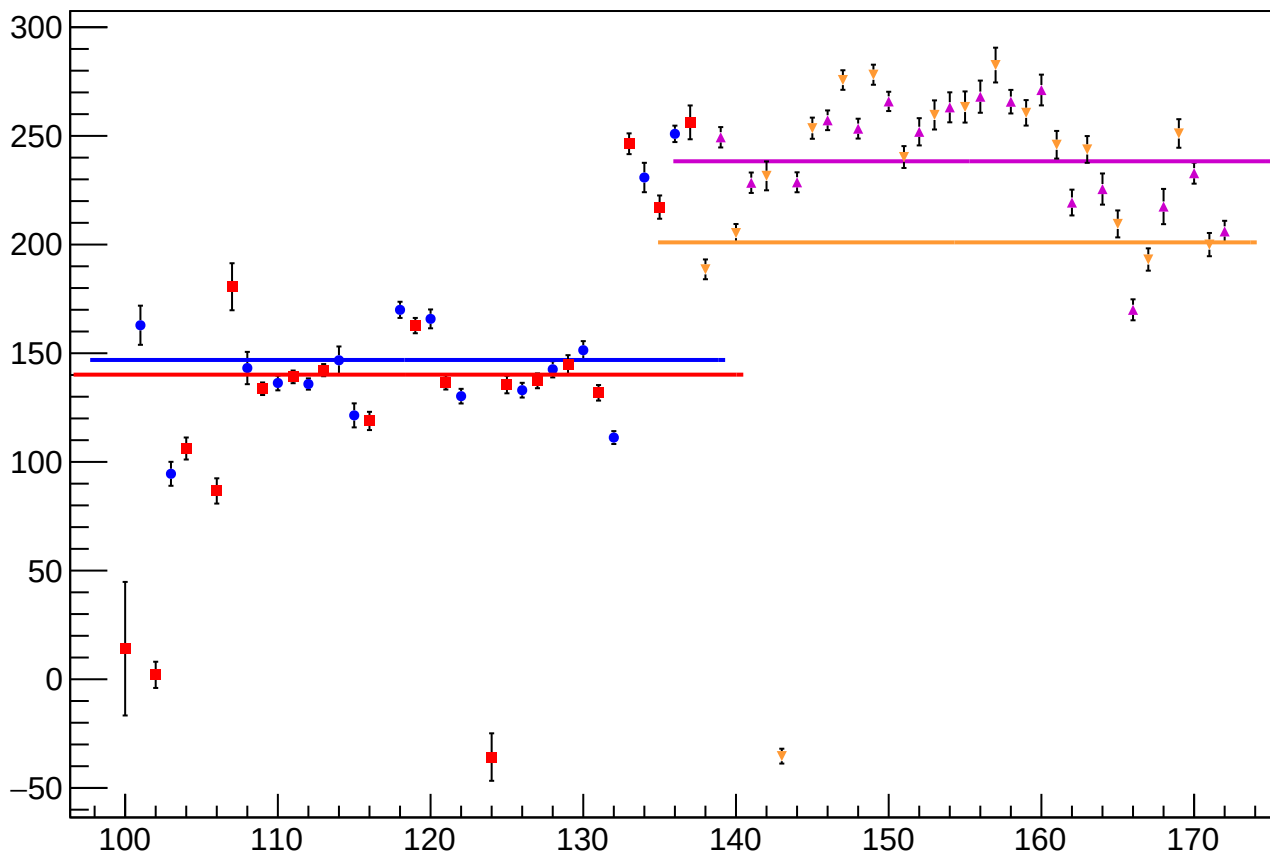
Left In: -152.395+/-0.054 χ^2/NDF : 68282.0/16

+ sign -133.746+/-0.044 χ^2/NDF : 791751.7/33

All: -135.124+/-0.031 χ^2/NDF : 1475310.2/69

- sign -136.492+/-0.044 χ^2/NDF : 681578.9/35

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 146.905 $\pm$ 1.003 χ^2 /NDF: 1302.0/15

Left Out: 201.009 $\pm$ 1.239 χ^2 /NDF: 6061.5/17

Right Out: 140.153 $\pm$ 0.960 χ^2 /NDF: 1950.6/18

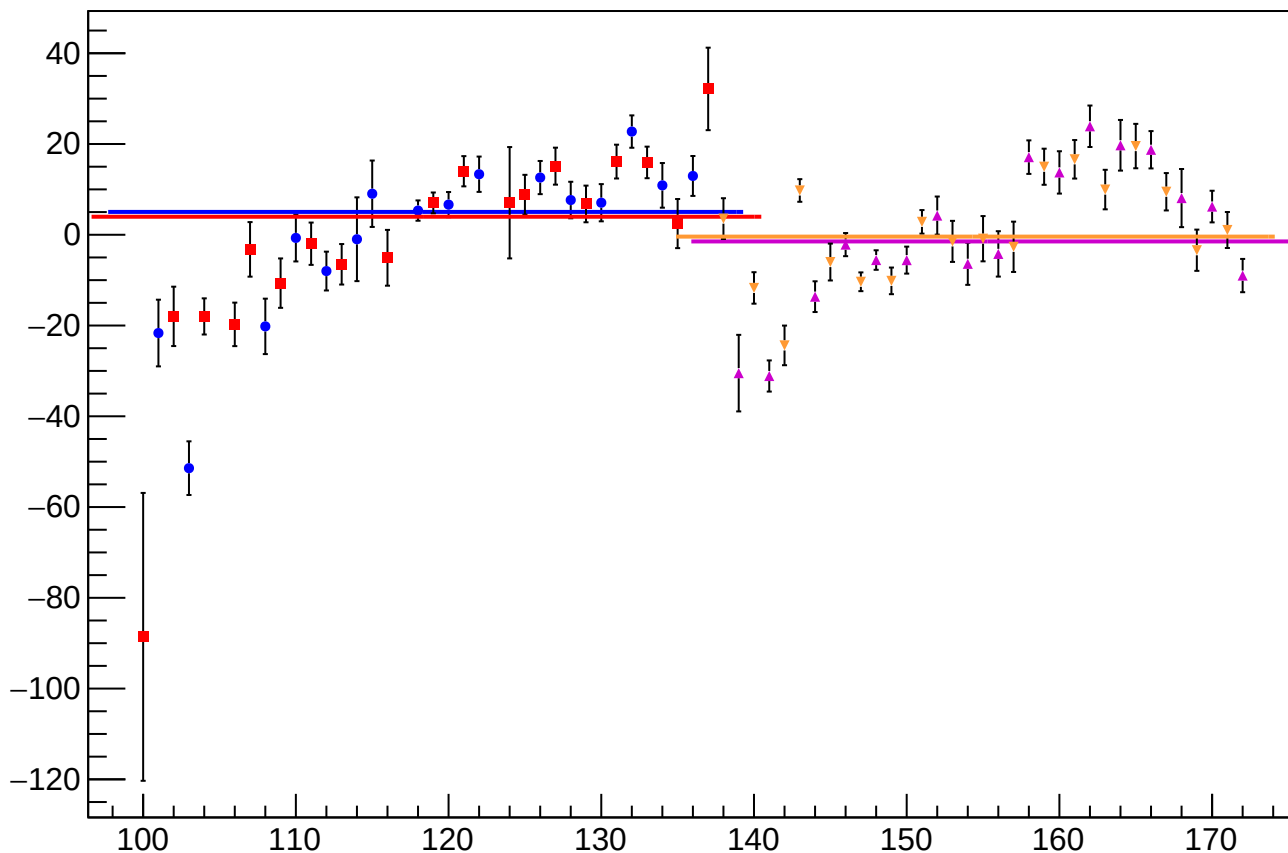
Left In: 238.317 $\pm$ 1.296 χ^2 /NDF: 427.3/16

+ sign 168.334 $\pm$ 0.780 χ^2 /NDF: 8515.3/33

All: 171.669 $\pm$ 0.548 χ^2 /NDF: 14633.8/69

- sign 174.935 $\pm$ 0.771 χ^2 /NDF: 6082.3/35

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

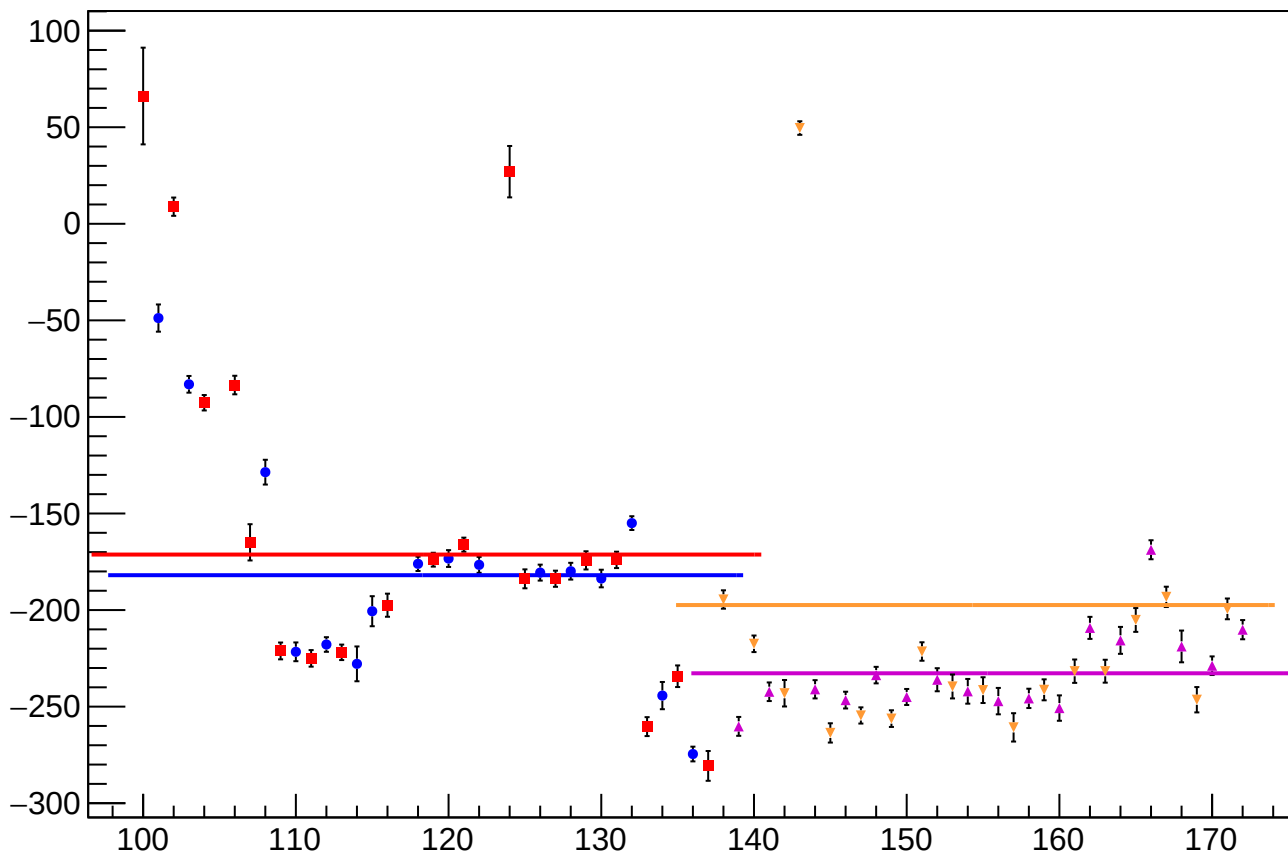
Left In: -1.470 ± 0.894 χ^2/NDF : 224.8/16

+ sign 1.798 ± 0.650 χ^2/NDF : 344.6/33

All: 1.370 ± 0.466 χ^2/NDF : 731.4/69

- sign 0.916 ± 0.670 χ^2/NDF : 385.9/35

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.947 ± 1.154 $\chi^2/\text{NDF}: 1870.4/15$

Left Out: -197.404 ± 1.220 $\chi^2/\text{NDF}: 5925.1/17$

Right Out: -171.262 ± 1.111 $\chi^2/\text{NDF}: 3628.2/18$

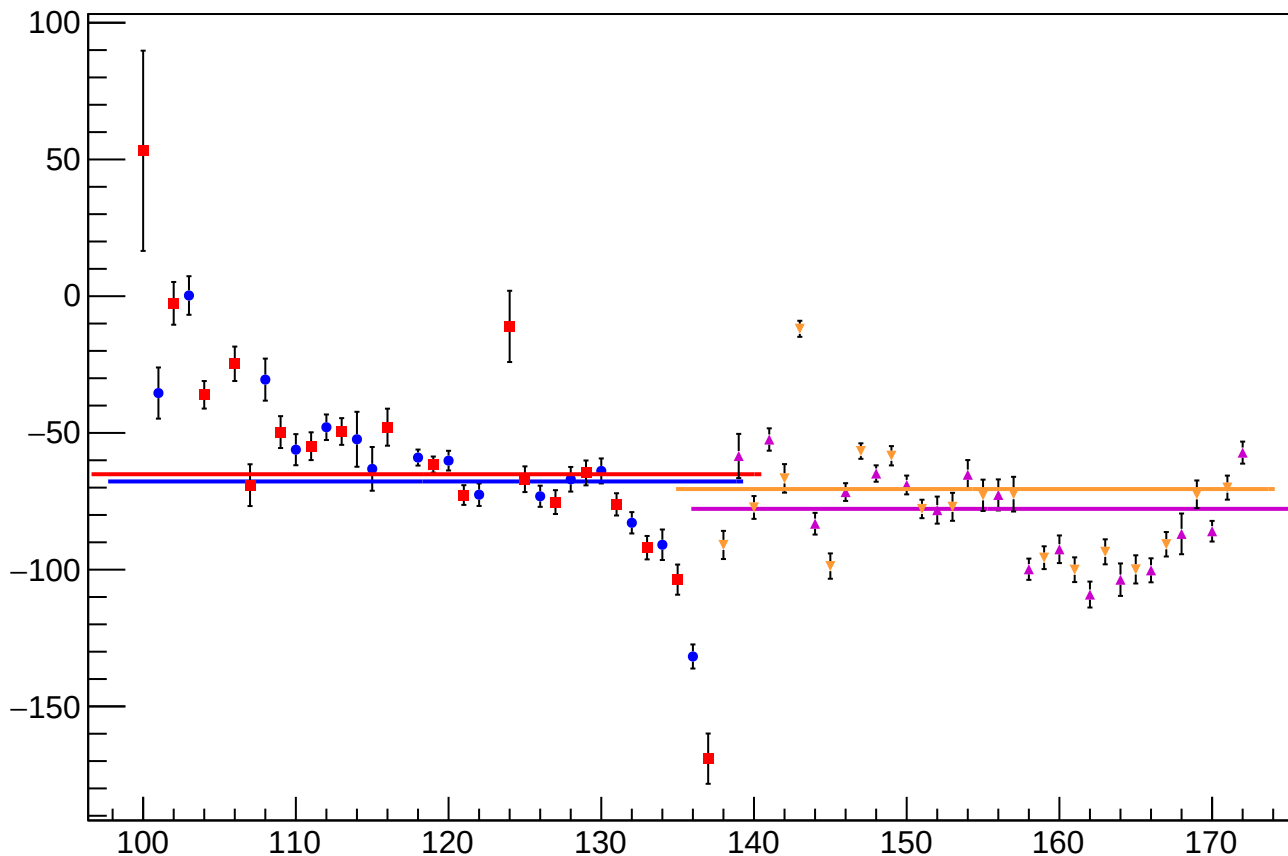
Left In: -232.736 ± 1.266 $\chi^2/\text{NDF}: 294.8/16$

+ sign -189.248 ± 0.838 $\chi^2/\text{NDF}: 7880.3/33$

All: -193.640 ± 0.592 $\chi^2/\text{NDF}: 13189.4/69$

- sign -198.000 ± 0.835 $\chi^2/\text{NDF}: 5254.4/35$

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

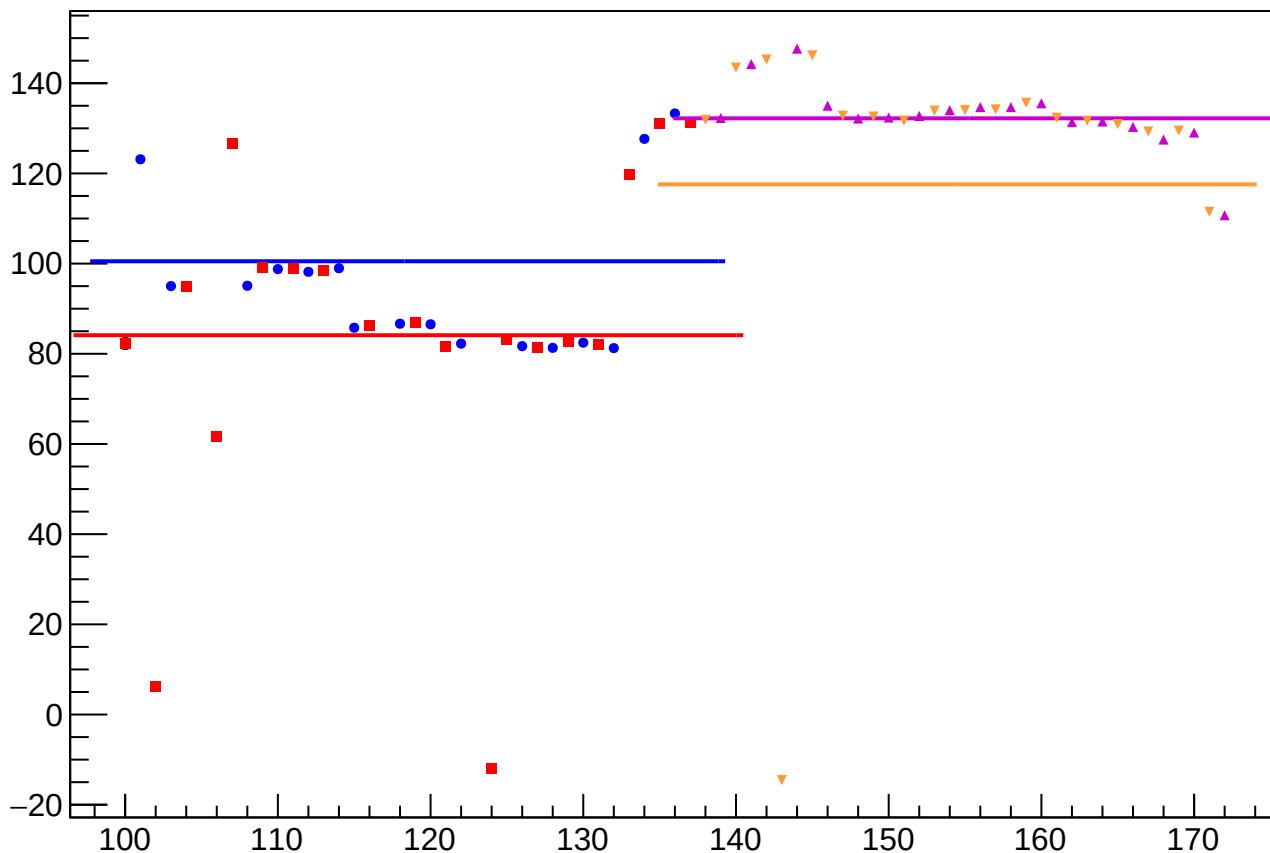
Left In: -77.768 ± 1.044 χ^2/NDF : 243.2/16

+ sign -69.373 ± 0.760 χ^2/NDF : 1070.1/33

All: -70.721 ± 0.544 χ^2/NDF : 1814.2/69

- sign -72.134 ± 0.778 χ^2/NDF : 737.6/35

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

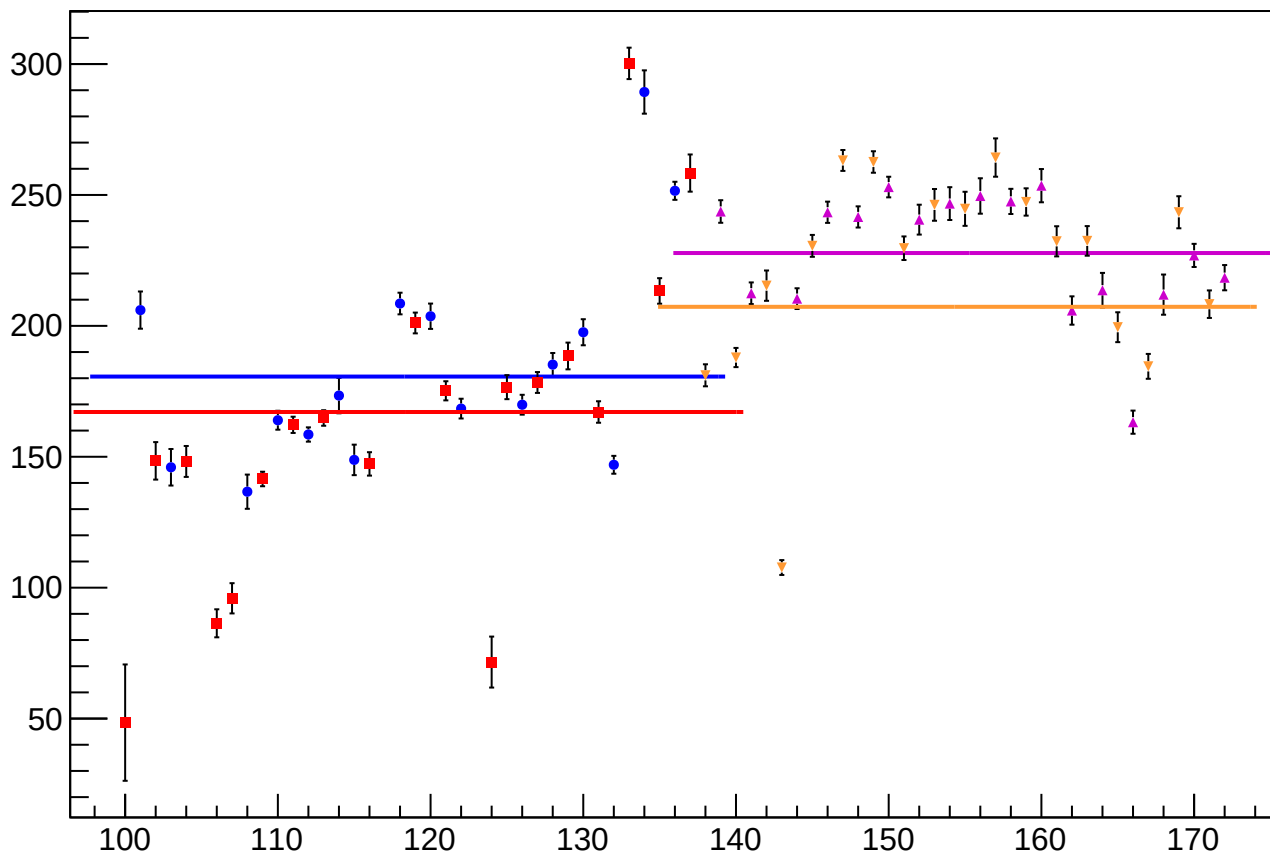
Left In: 132.217 ± 0.048 χ^2/NDF : 26548.6/16

+ sign 112.668 ± 0.040 χ^2/NDF : 1043565.8/33

All: 114.694 ± 0.028 χ^2/NDF : 1666203.9/69

- sign 116.688 ± 0.039 χ^2/NDF : 617455.9/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 180.634 ± 1.090 $\chi^2/\text{NDF}: 993.4/15$

Left Out: 207.276 ± 1.105 $\chi^2/\text{NDF}: 2022.5/17$

Right Out: 167.102 ± 1.021 $\chi^2/\text{NDF}: 1484.6/18$

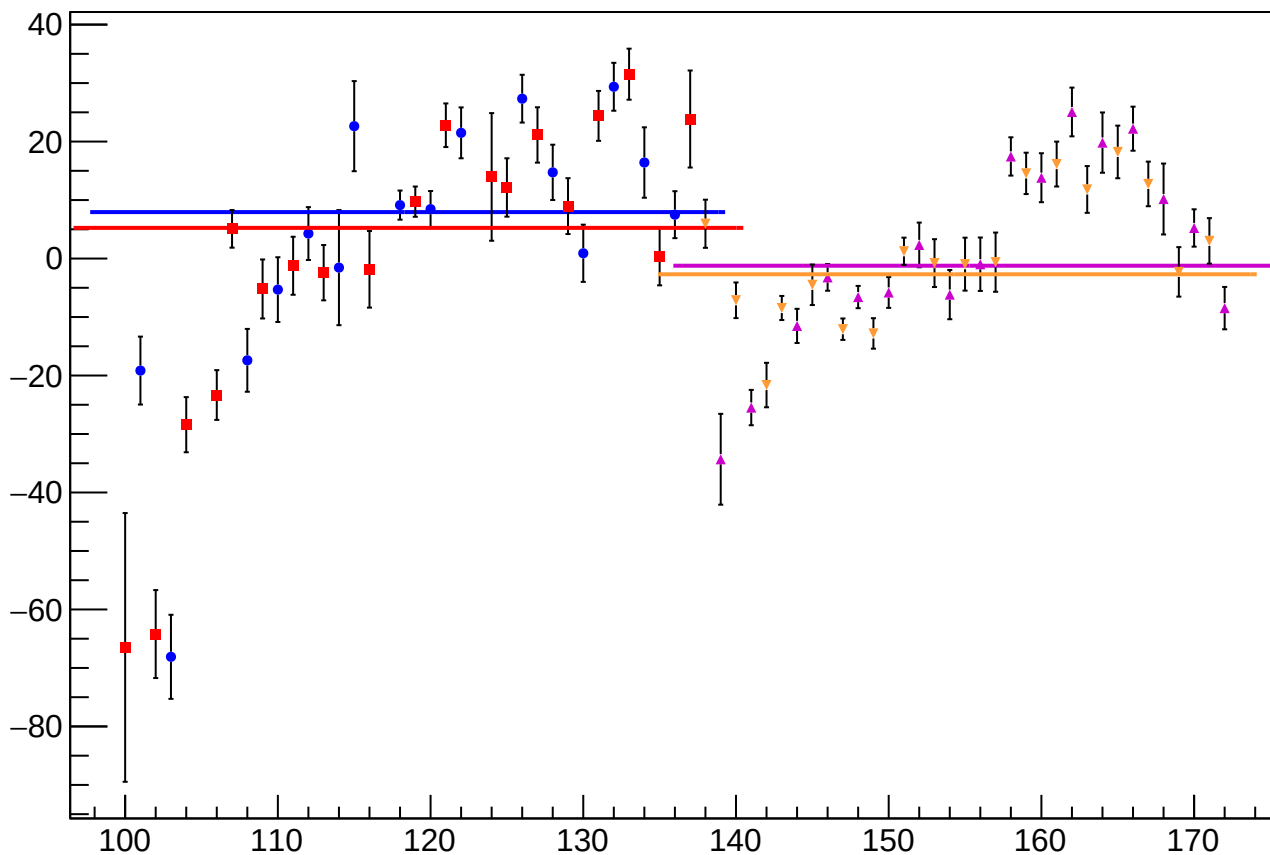
Left In: 227.820 ± 1.172 $\chi^2/\text{NDF}: 414.5/16$

+ sign 193.769 ± 0.776 $\chi^2/\text{NDF}: 3310.6/33$

All: 193.529 ± 0.546 $\chi^2/\text{NDF}: 6735.9/69$

- sign 193.293 ± 0.770 $\chi^2/\text{NDF}: 3425.2/35$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.692 ± 0.749 χ^2/NDF : 185.4/17

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

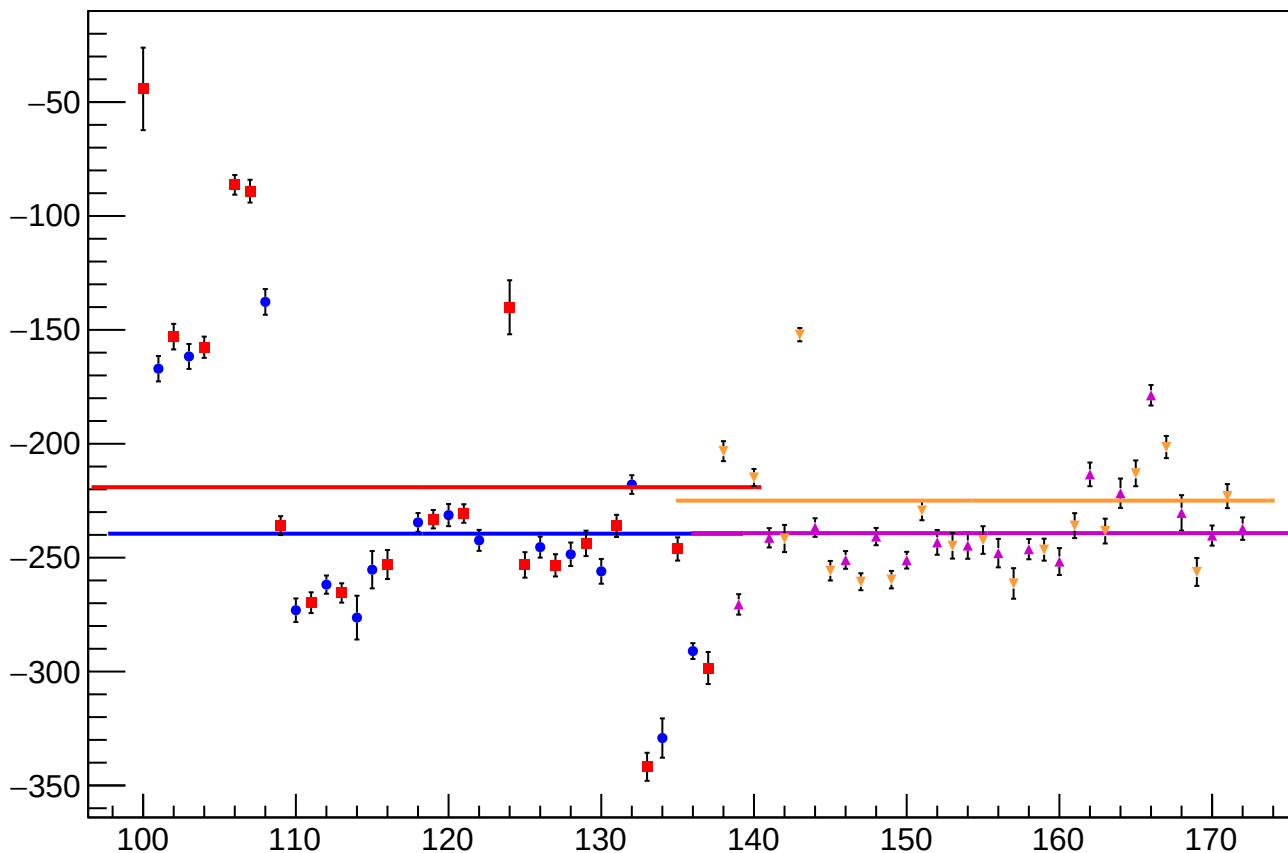
Left In: -1.226 ± 0.804 χ^2/NDF : 261.3/16

+ sign 0.621 ± 0.621 χ^2/NDF : 481.1/33

All: 0.869 ± 0.446 χ^2/NDF : 1069.2/69

- sign 1.132 ± 0.641 χ^2/NDF : 587.8/35

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

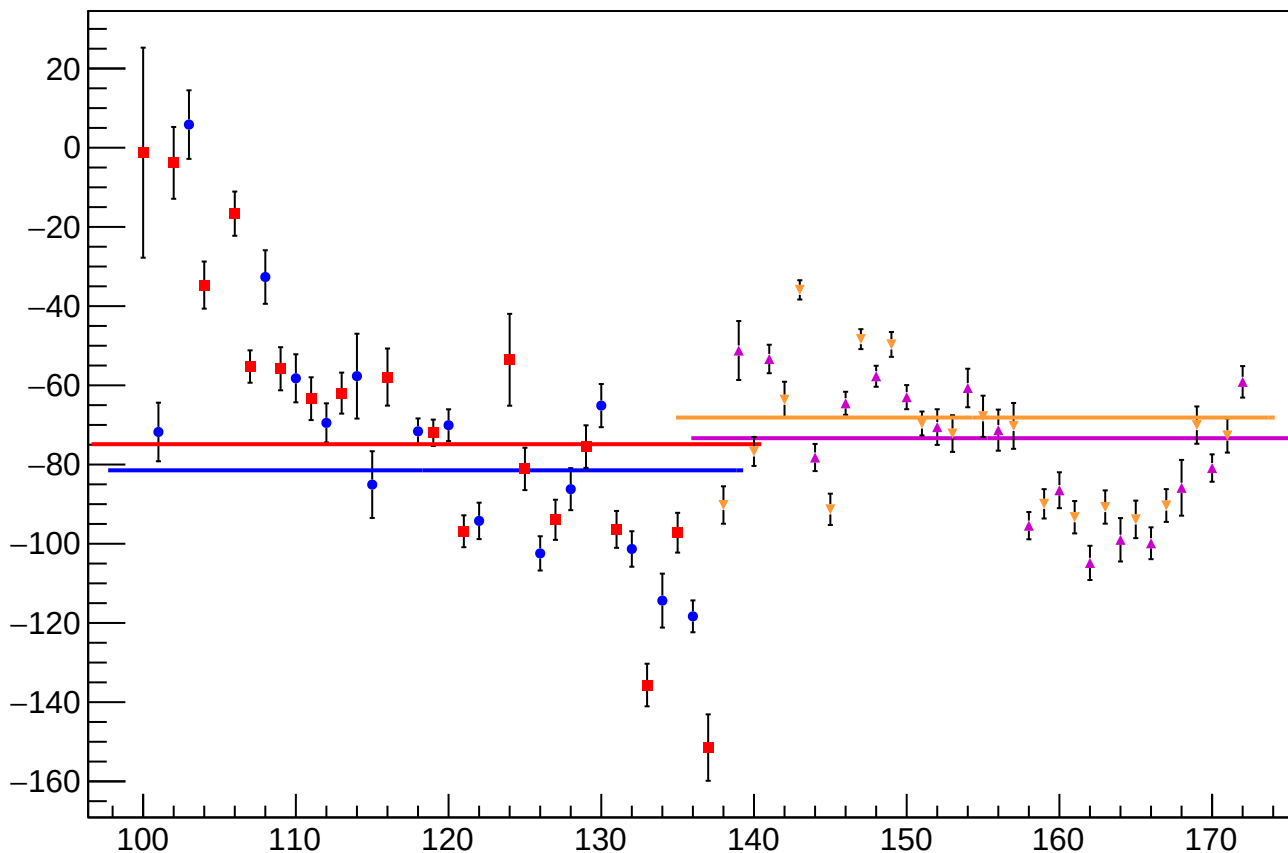
Left In: -239.223 ± 1.145 χ^2/NDF : 293.1/16

+ sign -231.238 ± 0.820 χ^2/NDF : 2260.3/33

All: -230.327 ± 0.580 χ^2/NDF : 5756.2/69

- sign -229.414 ± 0.820 χ^2/NDF : 3493.4/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -81.462 $\pm$ 1.287 χ^2/NDF : 366.5/15

Left Out: -68.136 $\pm$ 0.886 χ^2/NDF : 496.4/17

Right Out: -74.861 $\pm$ 1.230 χ^2/NDF : 576.6/18

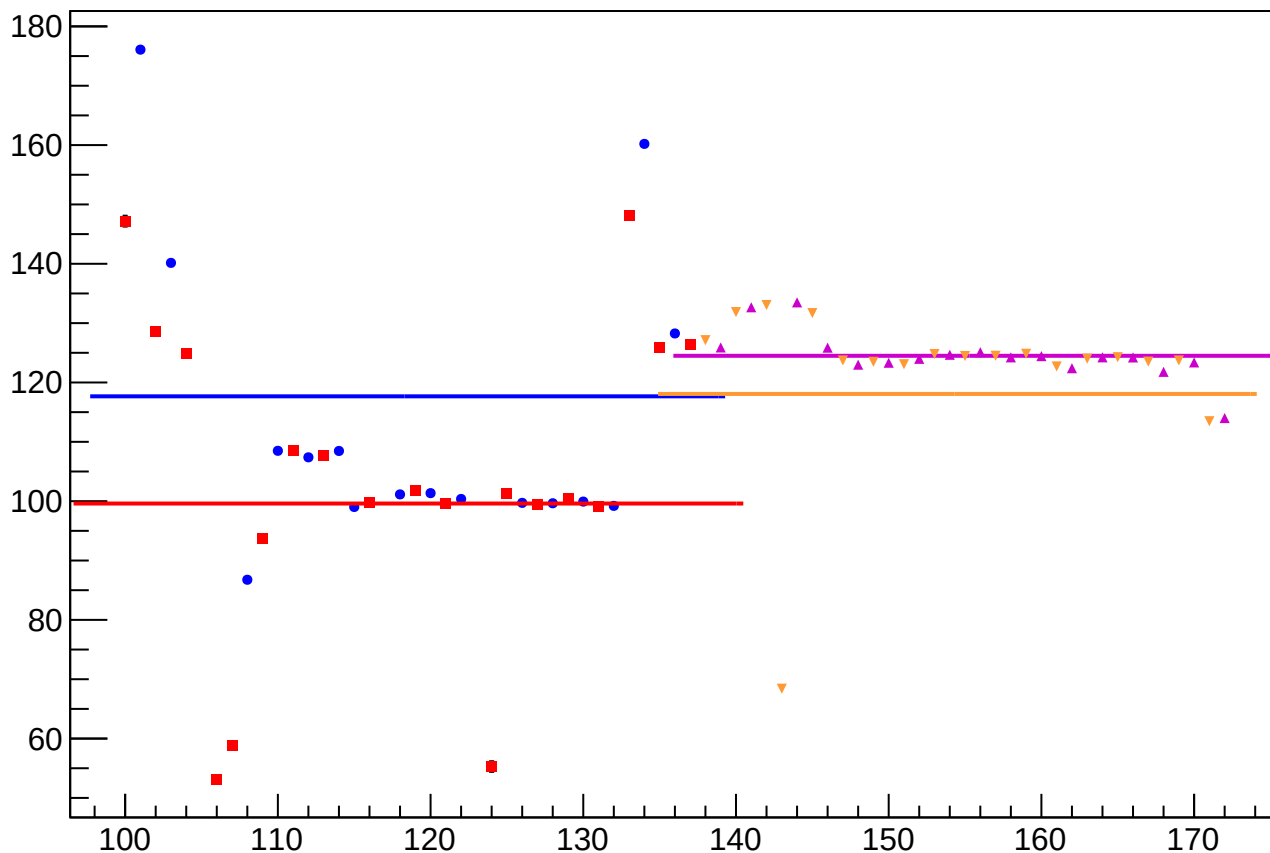
Left In: -73.347 $\pm$ 0.942 χ^2/NDF : 293.6/16

+ sign -72.421 $\pm$ 0.730 χ^2/NDF : 935.6/33

All: -73.145 $\pm$ 0.522 χ^2/NDF : 1808.8/69

- sign -73.907 $\pm$ 0.748 χ^2/NDF : 871.2/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 118.068 $\pm$ 0.042 χ^2 /NDF: 198758.7/17

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

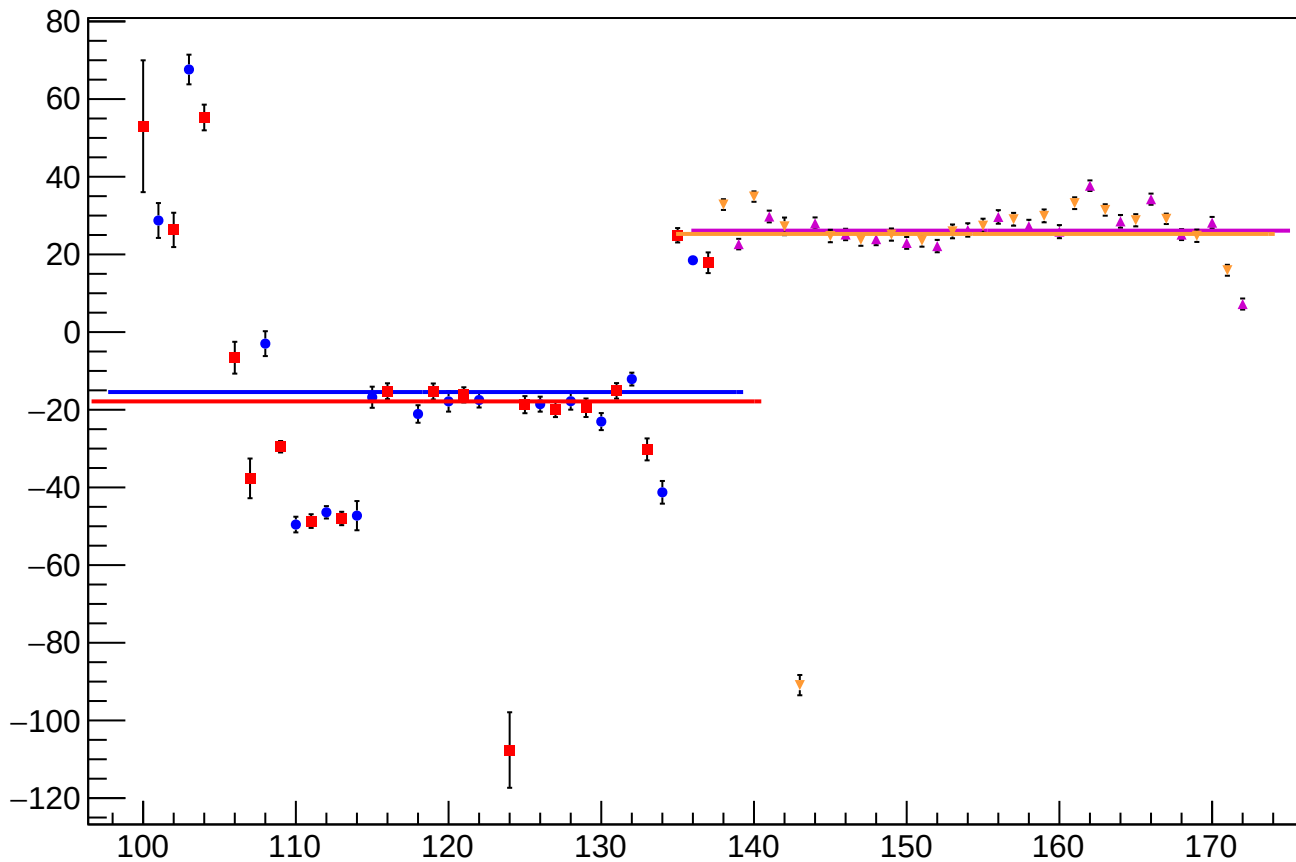
Left In: 124.495 $\pm$ 0.043 χ^2 /NDF: 9117.7/16

+ sign 117.978 $\pm$ 0.037 χ^2 /NDF: 294176.4/33

All: 117.807 $\pm$ 0.026 χ^2 /NDF: 560395.7/69

- sign 117.639 $\pm$ 0.037 χ^2 /NDF: 266177.3/35

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

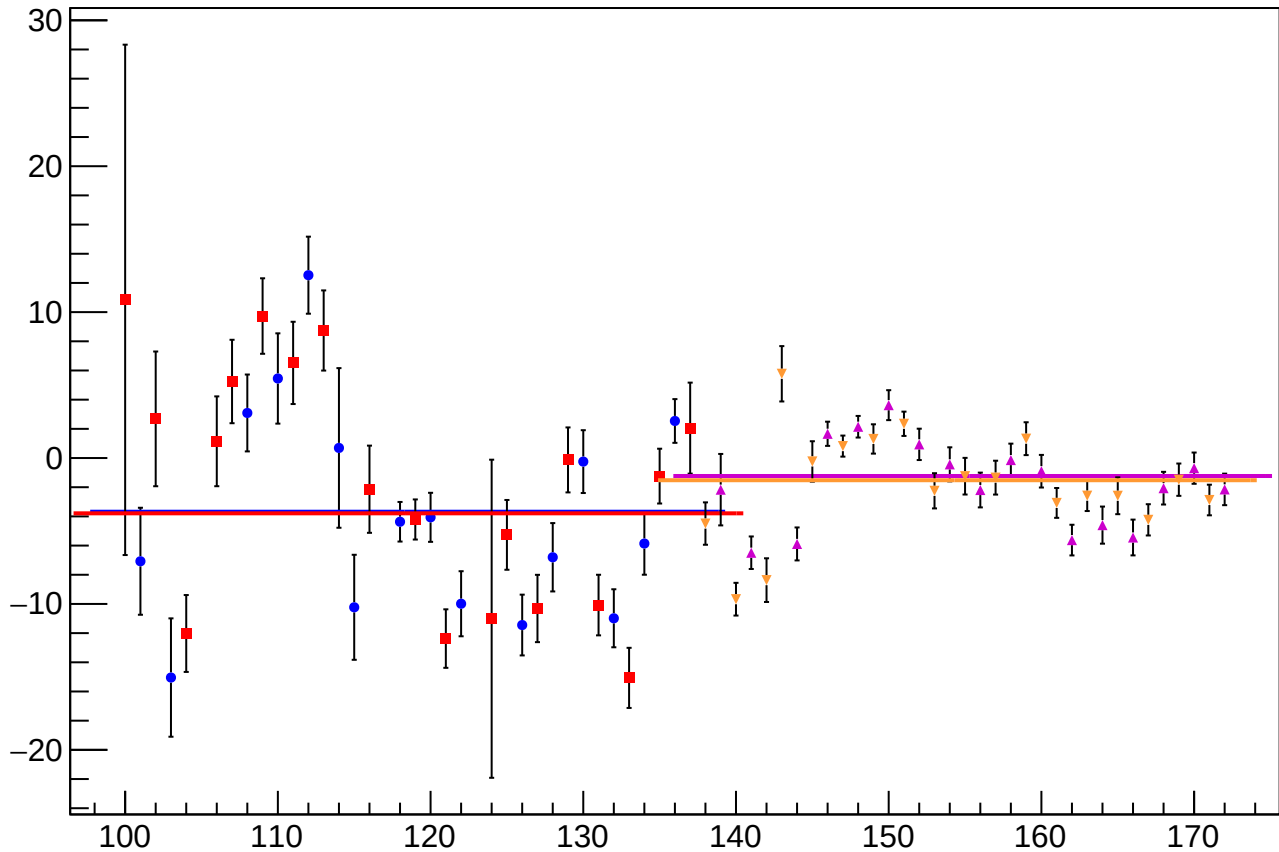
Left In: 26.119 ± 0.369 χ^2/NDF : 315.9/16

+ sign 12.024 ± 0.308 χ^2/NDF : 8151.1/33

All: 11.875 ± 0.216 χ^2/NDF : 15228.8/69

- sign 11.730 ± 0.303 χ^2/NDF : 7077.1/35

reg_asym_atl_dd_atr_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

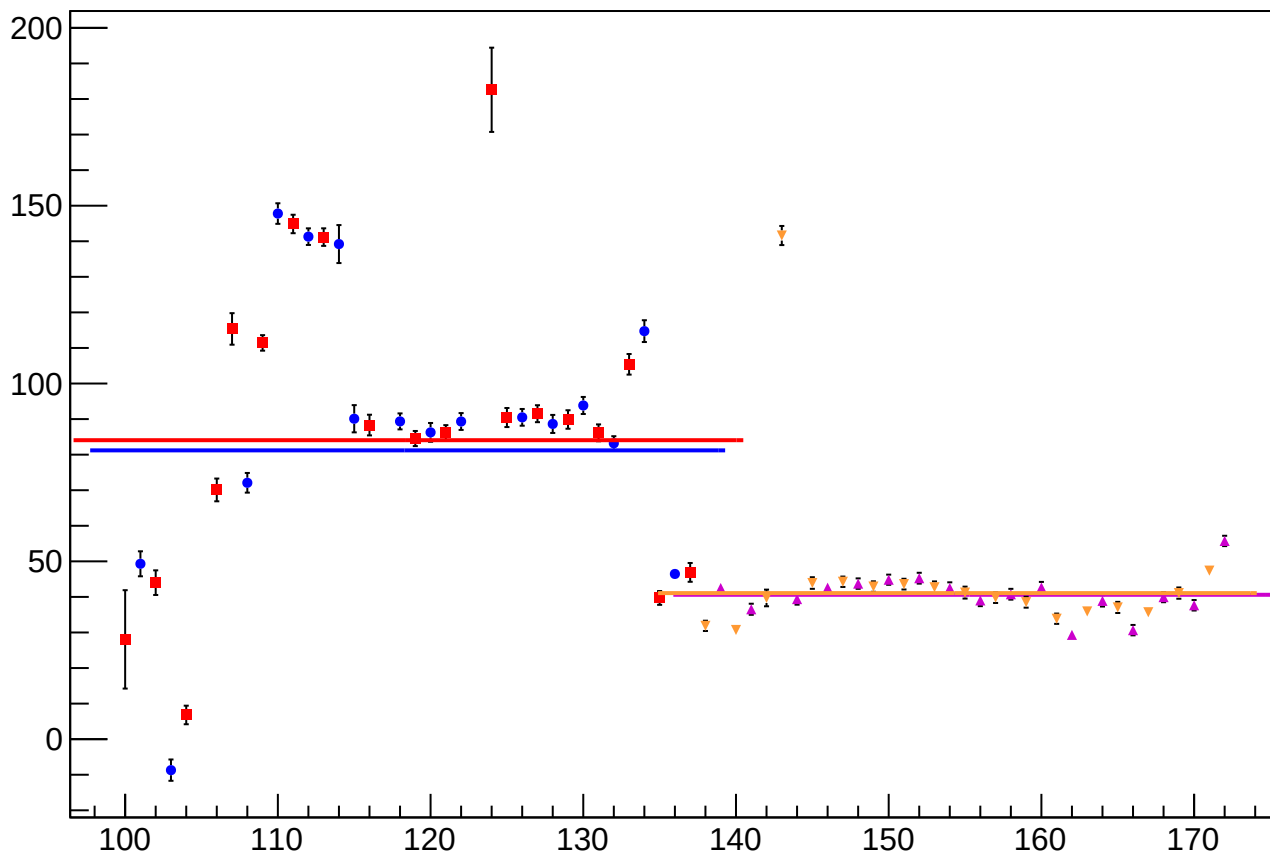
Left In: -1.231 ± 0.262 χ^2/NDF : 138.8/16

+ sign -1.913 ± 0.235 χ^2/NDF : 289.1/33

All: -1.800 ± 0.167 χ^2/NDF : 606.5/69

- sign -1.685 ± 0.237 χ^2/NDF : 316.9/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 81.203+/-0.607 χ^2/NDF : 3230.5/15

Left Out: 41.072+/-0.366 χ^2/NDF : 1594.5/17

Right Out: 84.065+/-0.616 χ^2/NDF : 3206.5/18

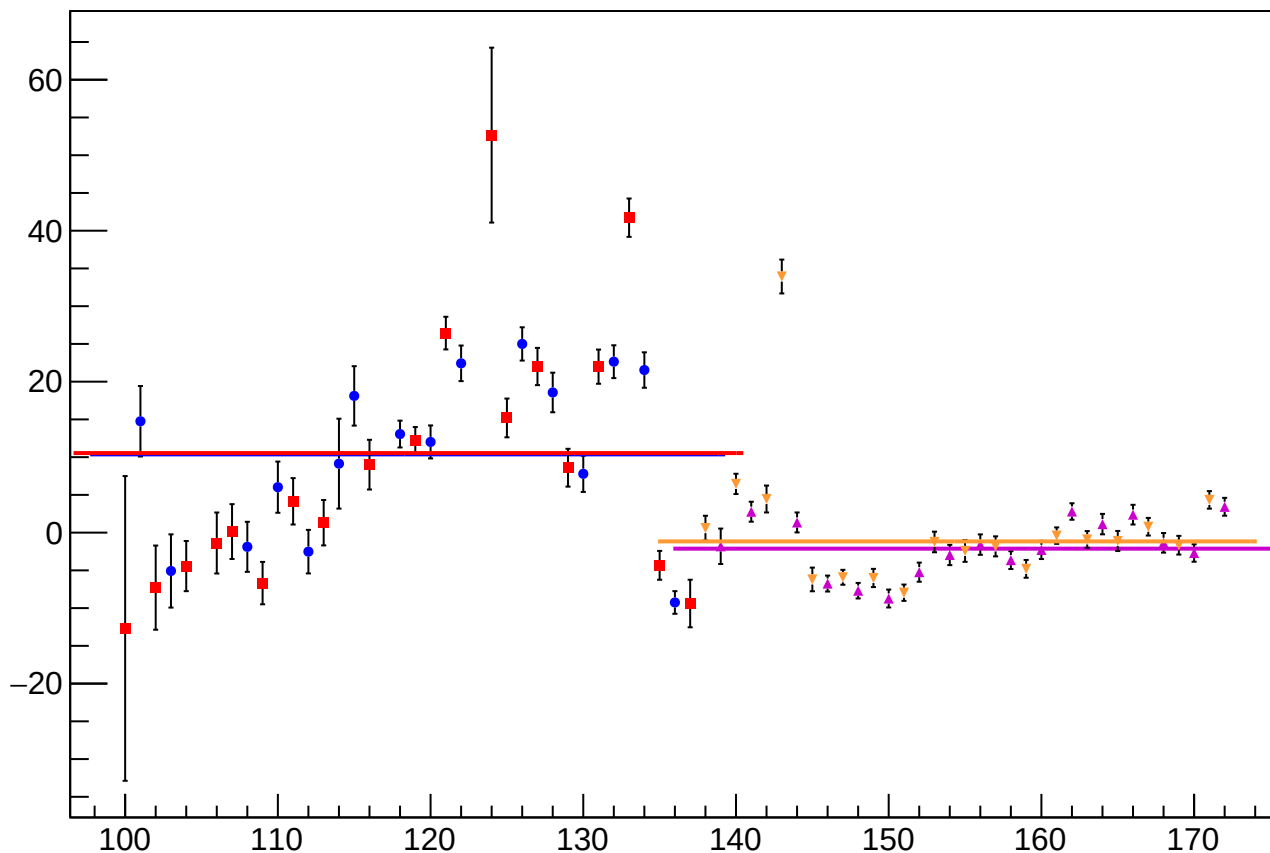
Left In: 40.597+/-0.361 χ^2/NDF : 272.3/16

+ sign 51.768+/-0.313 χ^2/NDF : 8030.4/33

All: 51.728+/-0.221 χ^2/NDF : 15214.7/69

- sign 51.689+/-0.311 χ^2/NDF : 7184.3/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.367 $\pm$ 0.627 χ^2 /NDF: 359.8/15

Left Out: -1.162 $\pm$ 0.300 χ^2 /NDF: 414.0/17

Right Out: 10.539 $\pm$ 0.640 χ^2 /NDF: 470.7/18

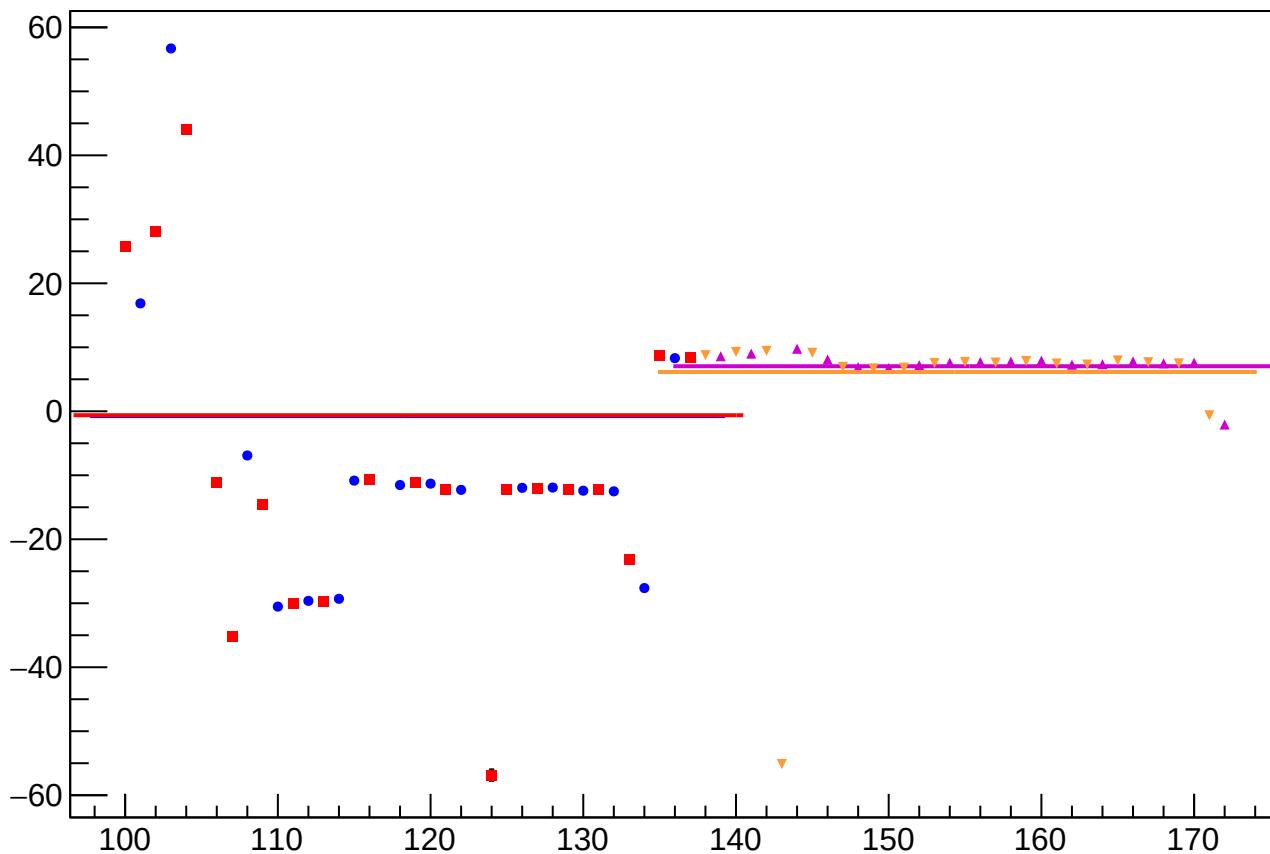
Left In: -2.124 $\pm$ 0.301 χ^2 /NDF: 168.9/16

+ sign 0.994 $\pm$ 0.271 χ^2 /NDF: 1049.1/33

All: 0.584 $\pm$ 0.192 χ^2 /NDF: 2013.7/69

- sign 0.170 $\pm$ 0.273 χ^2 /NDF: 960.0/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



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

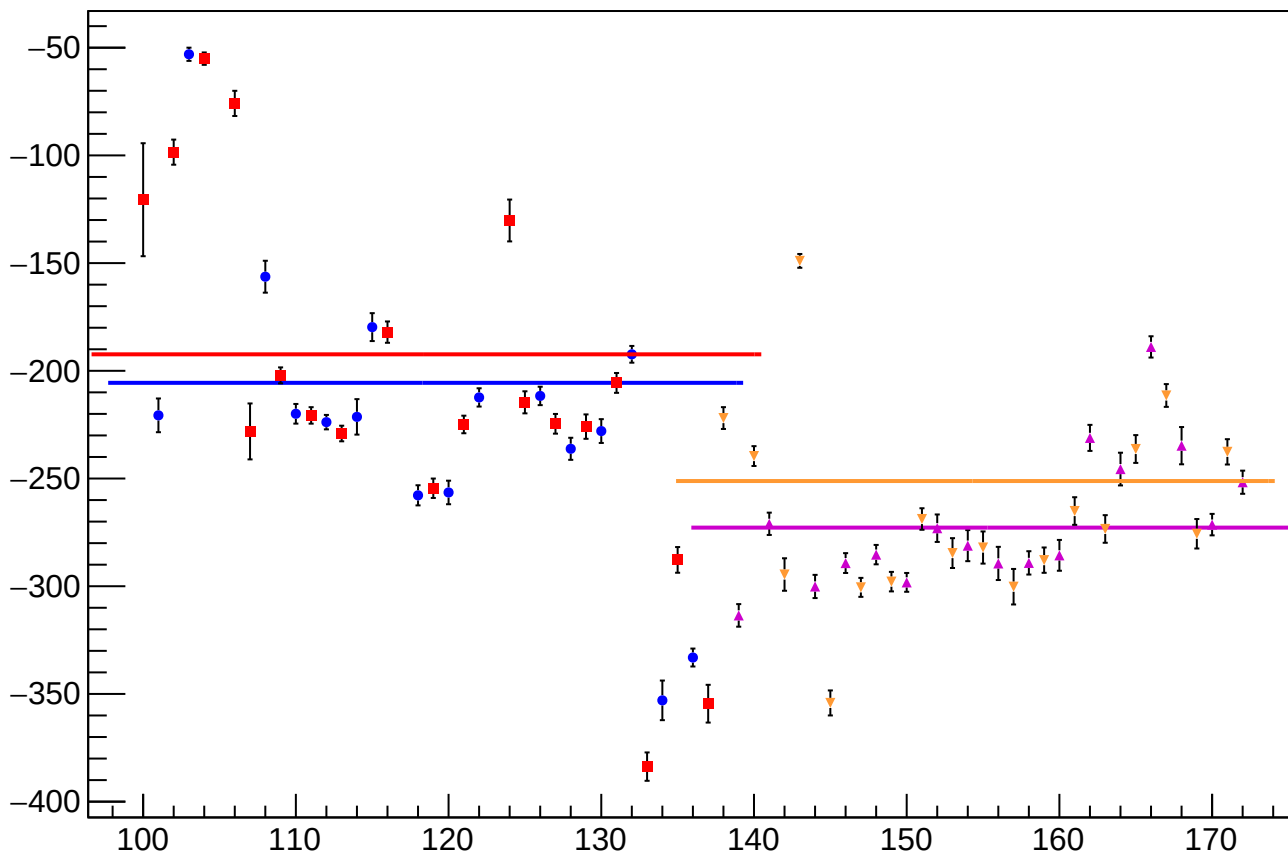
Left In: 7.040 ± 0.013 χ^2/NDF : 38525.2/16

+ sign 5.280 ± 0.013 χ^2/NDF : 736708.8/33

All: 5.732 ± 0.009 χ^2/NDF : 1131545.5/69

- sign 6.173 ± 0.013 χ^2/NDF : 392336.0/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -205.577 ± 1.185 χ^2/NDF : 4056.0/15

Left Out: -251.168 ± 1.278 χ^2/NDF : 1858.2/17

Right Out: -192.345 ± 1.123 χ^2/NDF : 4969.8/18

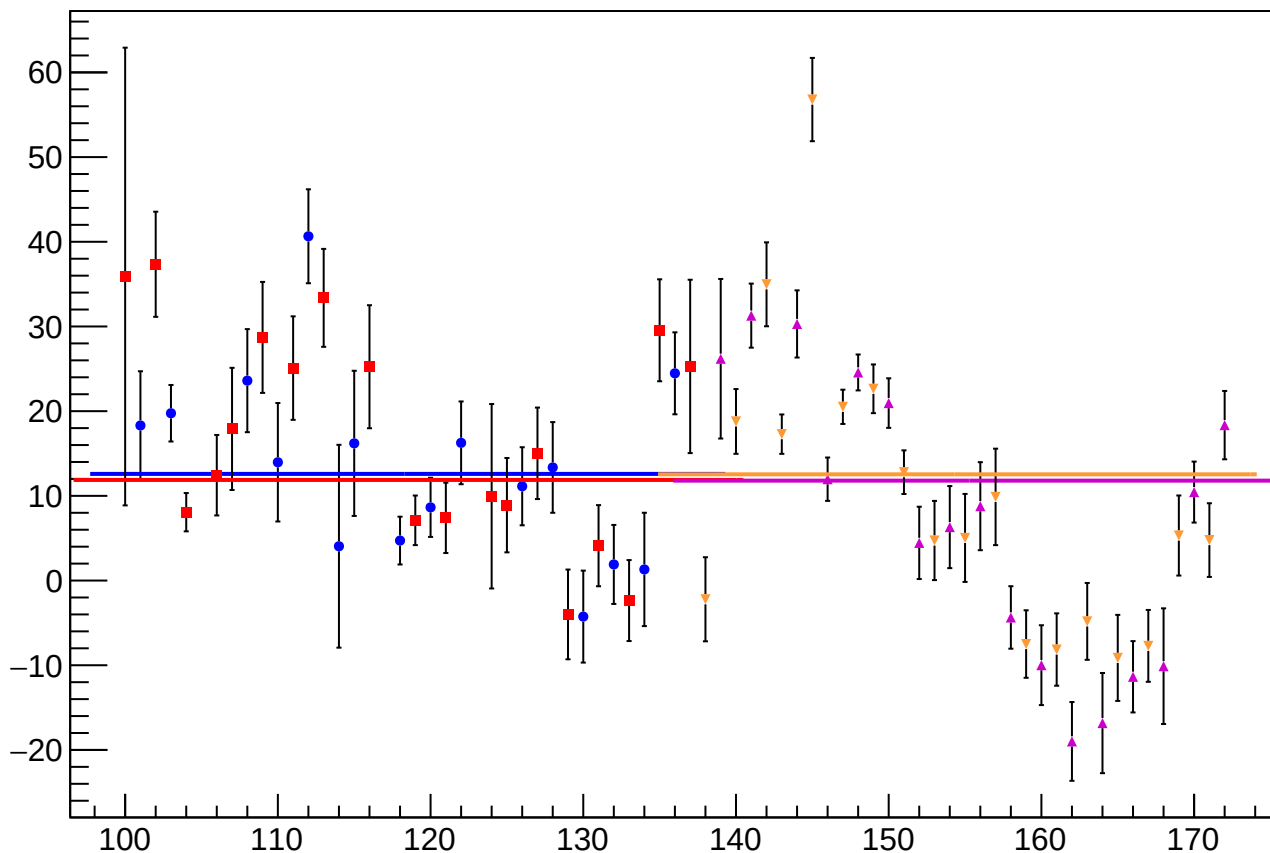
Left In: -272.790 ± 1.354 χ^2/NDF : 542.2/16

+ sign -226.645 ± 0.869 χ^2/NDF : 6598.6/33

All: -225.871 ± 0.613 χ^2/NDF : 14203.7/69

- sign -225.104 ± 0.864 χ^2/NDF : 7603.5/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.592 ± 1.203 $\chi^2/\text{NDF}: 68.5/15$

Left Out: 12.544 ± 0.856 $\chi^2/\text{NDF}: 260.0/17$

Right Out: 11.880 ± 1.122 $\chi^2/\text{NDF}: 84.9/18$

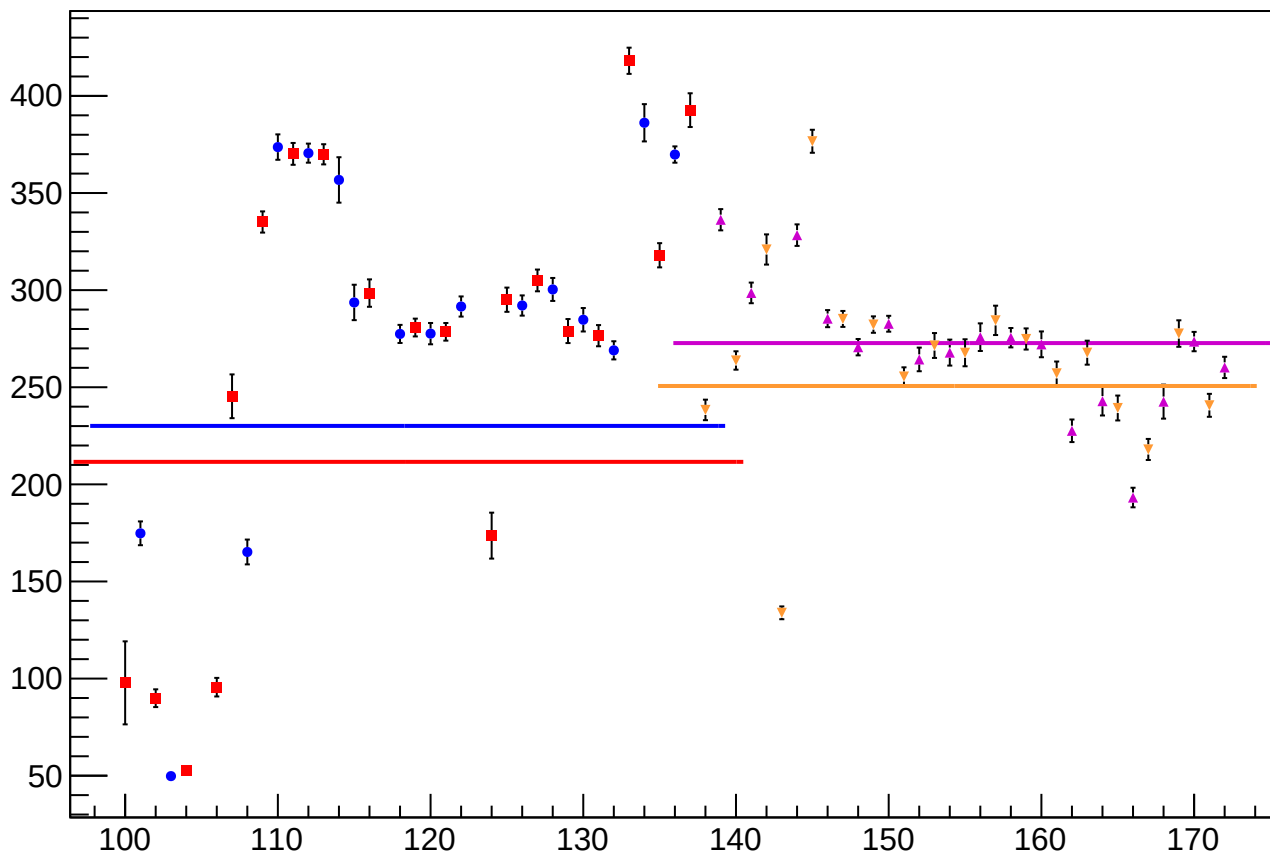
Left In: 11.798 ± 0.920 $\chi^2/\text{NDF}: 252.4/16$

+ sign 12.560 ± 0.698 $\chi^2/\text{NDF}: 328.5/33$

All: 12.203 ± 0.498 $\chi^2/\text{NDF}: 666.4/69$

- sign 11.831 ± 0.711 $\chi^2/\text{NDF}: 337.4/35$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 230.095 ± 1.260 χ^2/NDF : 9375.6/15

Left Out: 250.646 ± 1.255 χ^2/NDF : 2051.5/17

Right Out: 211.588 ± 1.195 χ^2/NDF : 11472.1/18

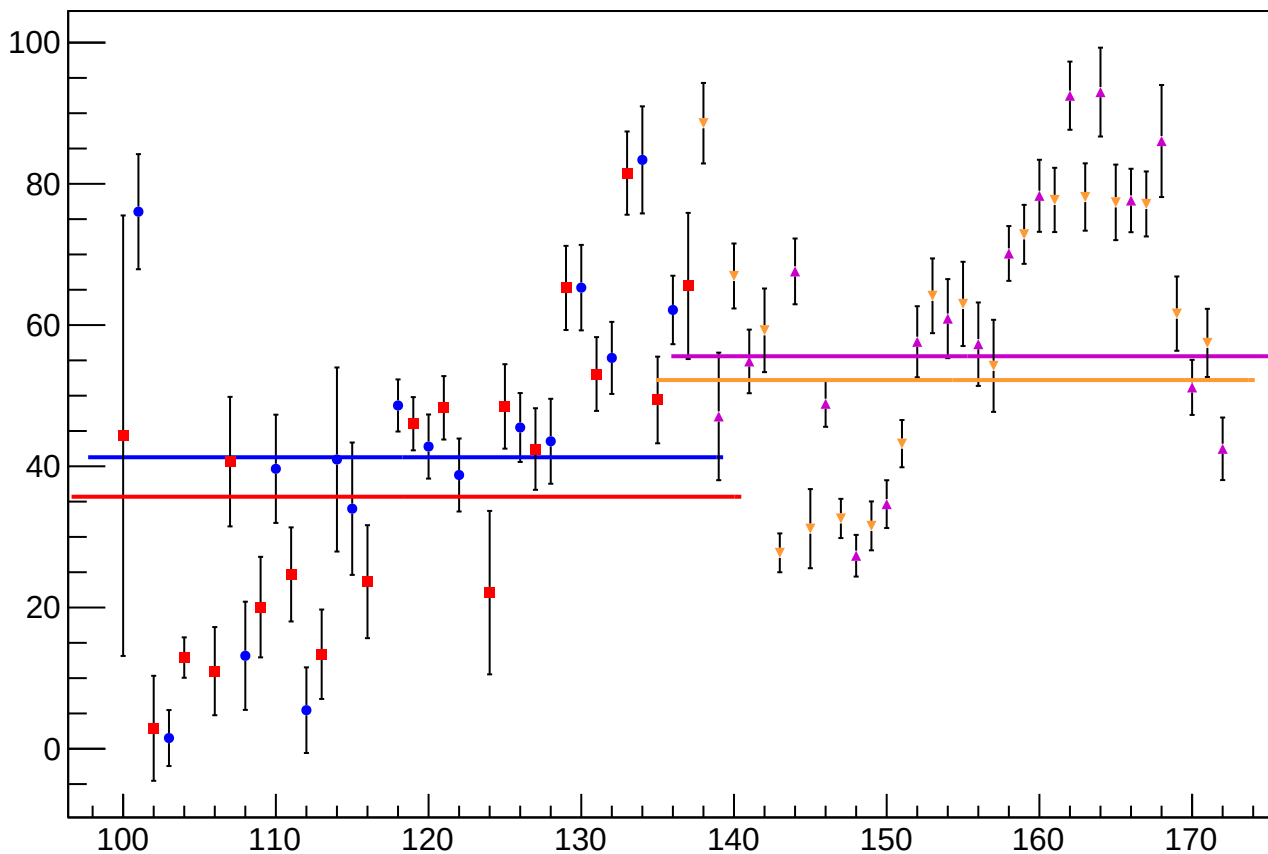
Left In: 272.738 ± 1.319 χ^2/NDF : 619.2/16

+ sign 240.408 ± 0.889 χ^2/NDF : 11560.8/33

All: 239.787 ± 0.627 χ^2/NDF : 24833.6/69

- sign 239.171 ± 0.886 χ^2/NDF : 13271.9/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.282 $\pm$ 1.398 χ^2 /NDF: 245.8/15

Left Out: 52.209 $\pm$ 1.015 χ^2 /NDF:388.0/17

Right Out: 35.692 $\pm$ 1.317 χ^2 /NDF: 253.2/18

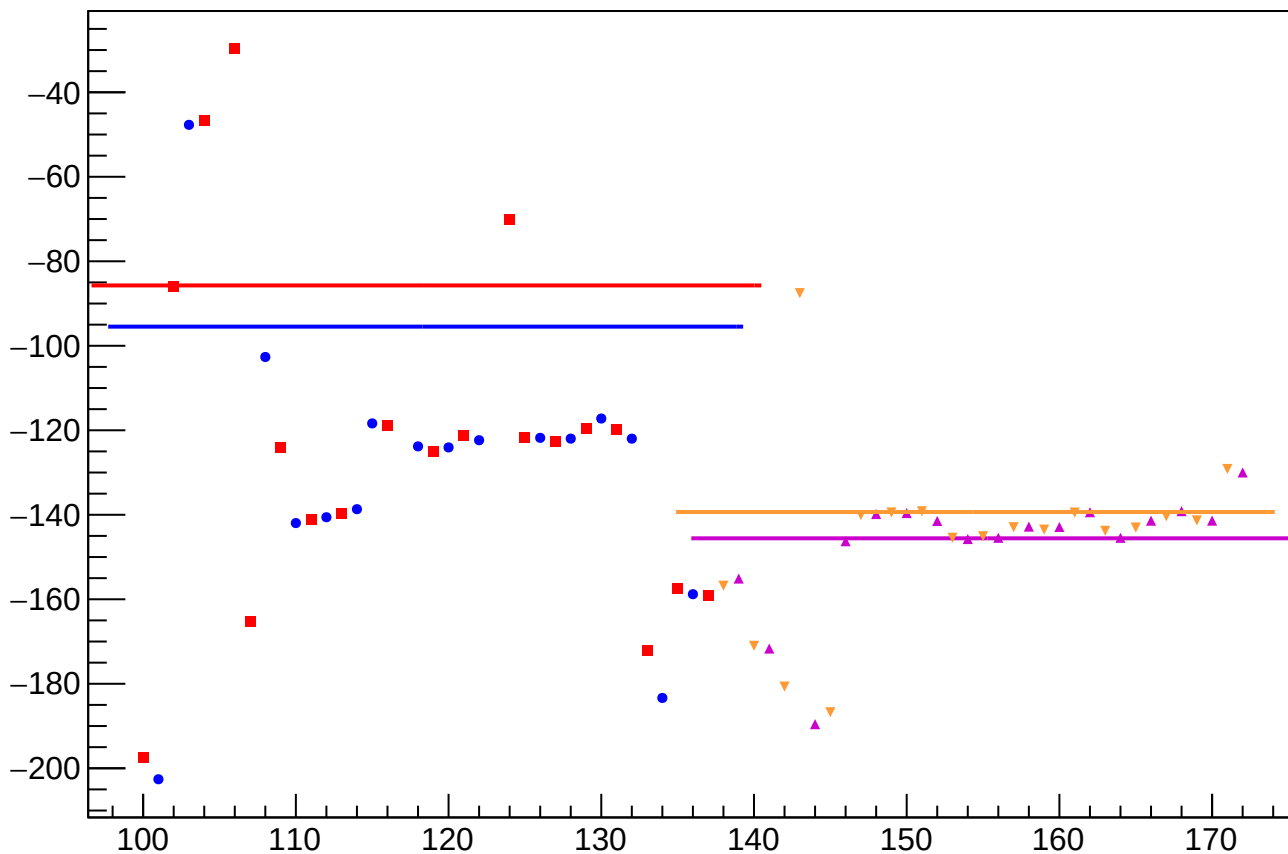
Left In: 55.584 $\pm$ 1.079 χ^2 /NDF:319.5/16

+ sign 48.437 $\pm$ 0.821 χ^2 /NDF: 673.8/33

All: 48.023 $\pm$ 0.585 χ^2 /NDF: 1383.5/69

- sign 47.594 $\pm$ 0.835 χ^2 /NDF: 709.2/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.468 $\pm$ 0.069 χ^2 /NDF: 519953.8/15

Left Out: -139.344 $\pm$ 0.048 χ^2 /NDF: 234321.4/17

Right Out: -85.716 $\pm$ 0.067 χ^2 /NDF: 482604.9/18

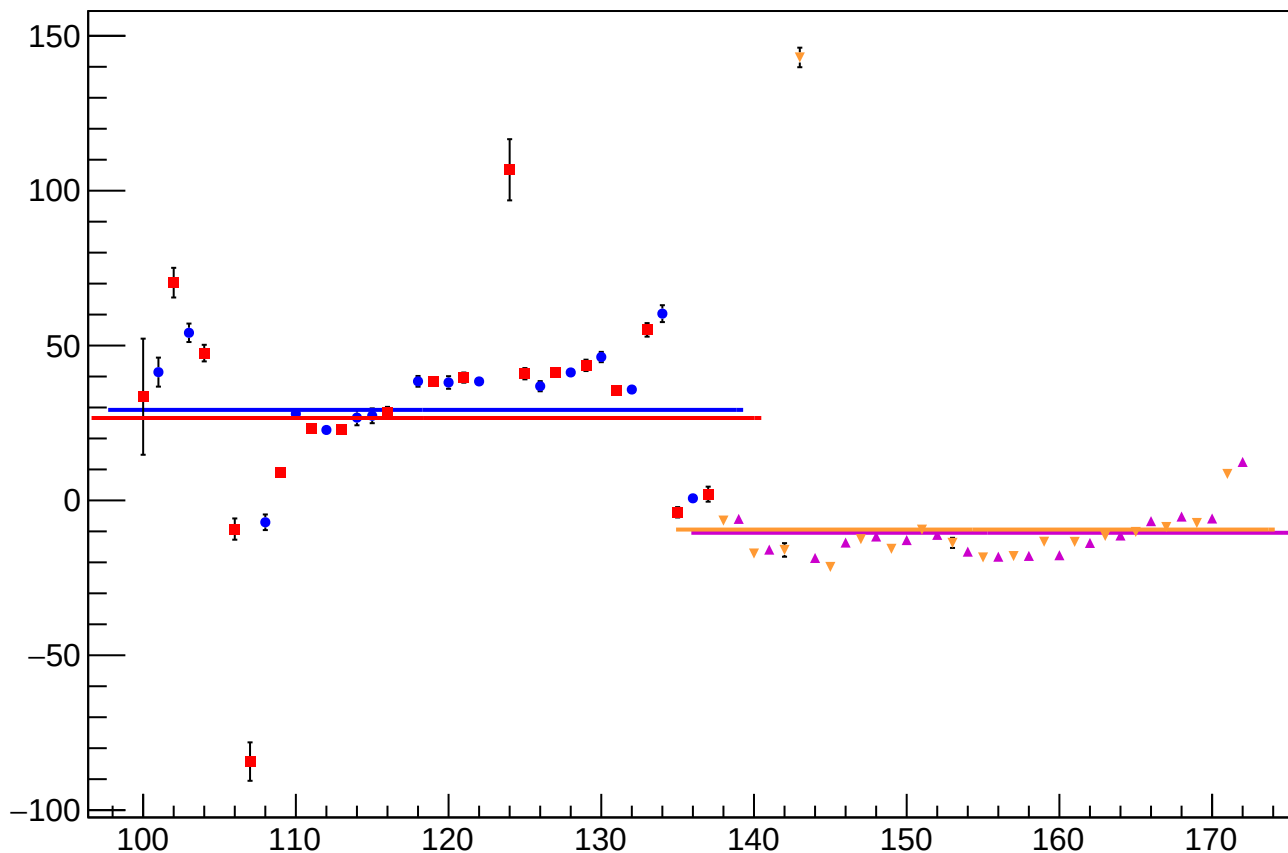
Left In: -145.571 $\pm$ 0.050 χ^2 /NDF: 60370.6/16

+ sign -124.976 $\pm$ 0.040 χ^2 /NDF: 1022685.2/33

All: -124.625 $\pm$ 0.028 χ^2 /NDF: 2080664.0/69

- sign -124.271 $\pm$ 0.040 χ^2 /NDF: 1057822.1/35

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

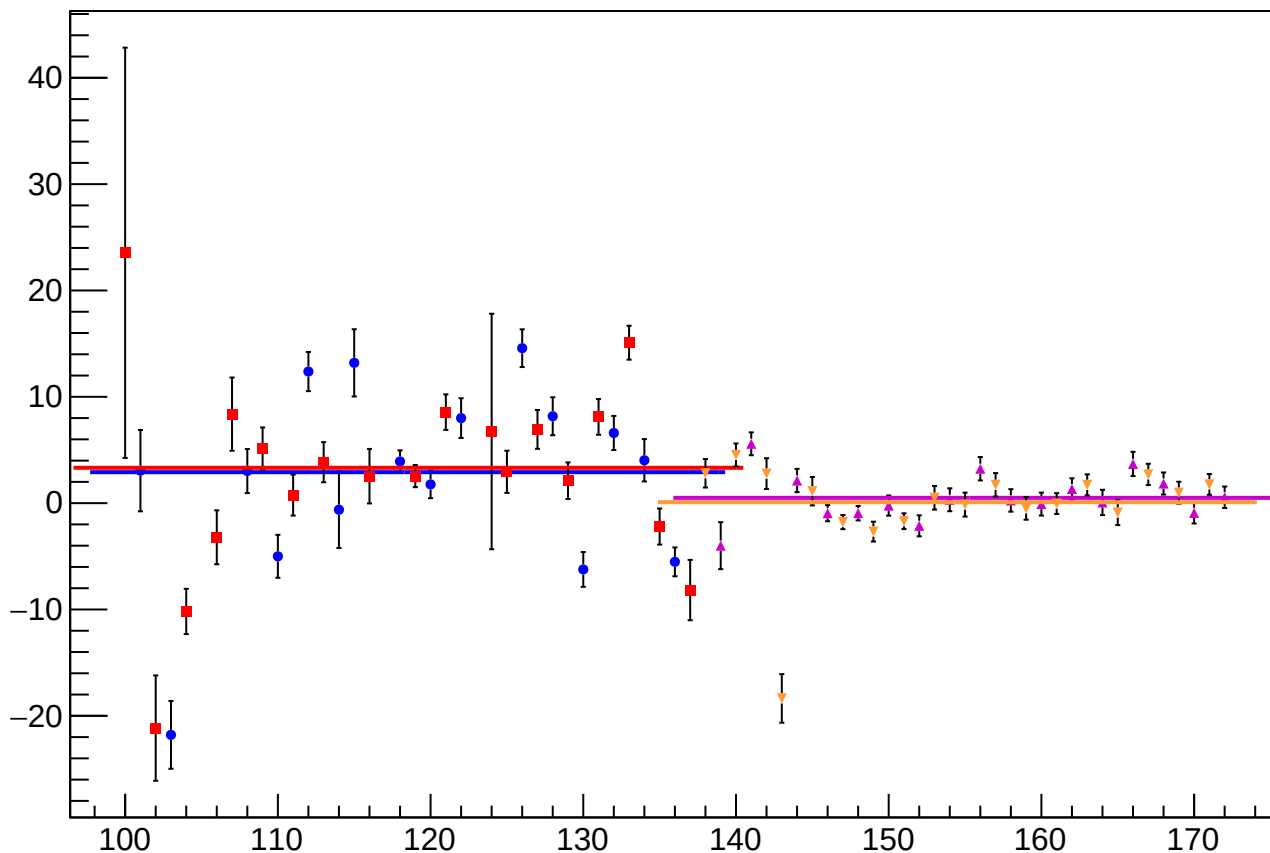
Left In: -10.450+/-0.345 χ^2 /NDF: 485.4/16

+ sign 6.272+/-0.270 χ^2 /NDF: 9012.5/33

All: 5.482+/-0.189 χ^2 /NDF: 16165.3/69

- sign 4.723+/-0.265 χ^2 /NDF: 7136.0/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



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

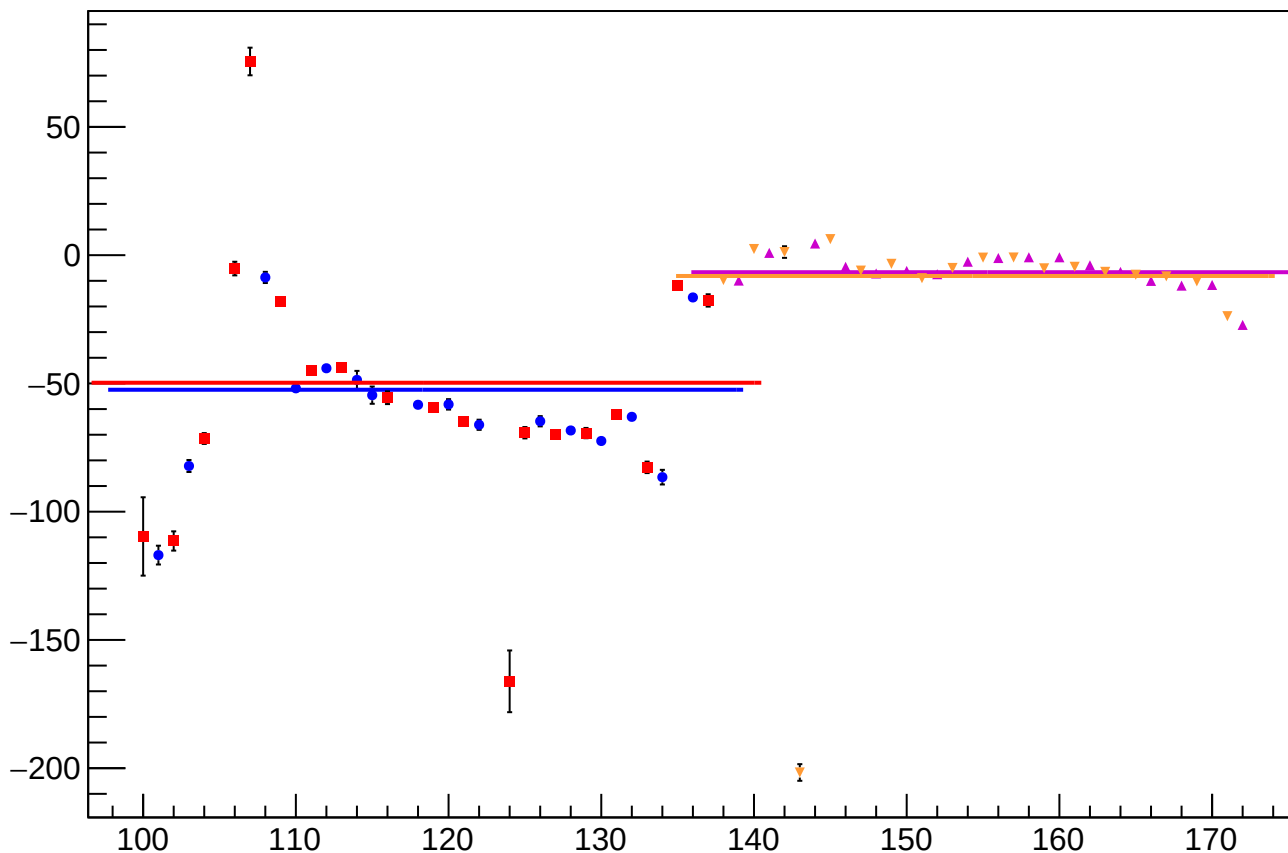
Left In: 0.499 ± 0.245 χ^2/NDF : 63.3/16

+ sign 0.745 ± 0.213 χ^2/NDF : 410.6/33

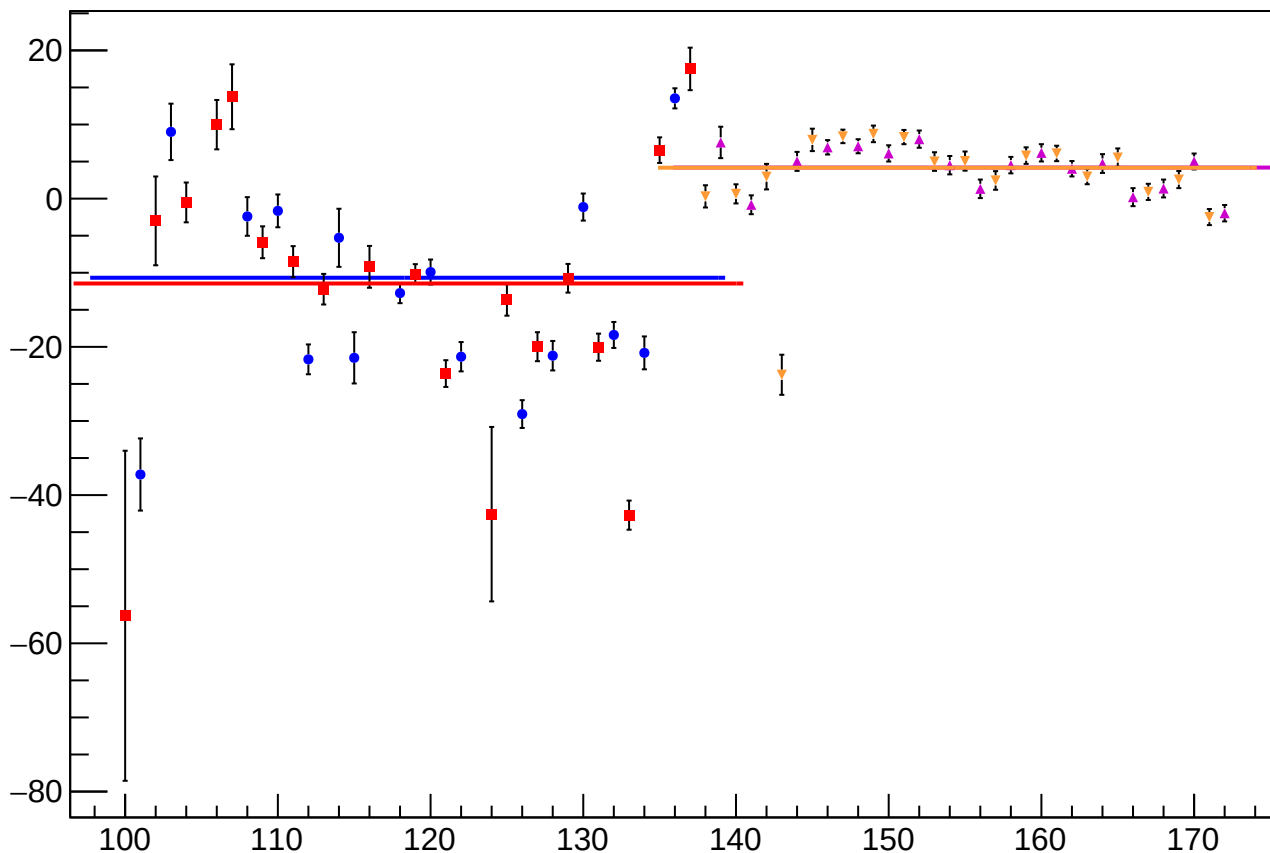
All: 0.938 ± 0.151 χ^2/NDF : 687.5/69

- sign 1.136 ± 0.215 χ^2/NDF : 275.2/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



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

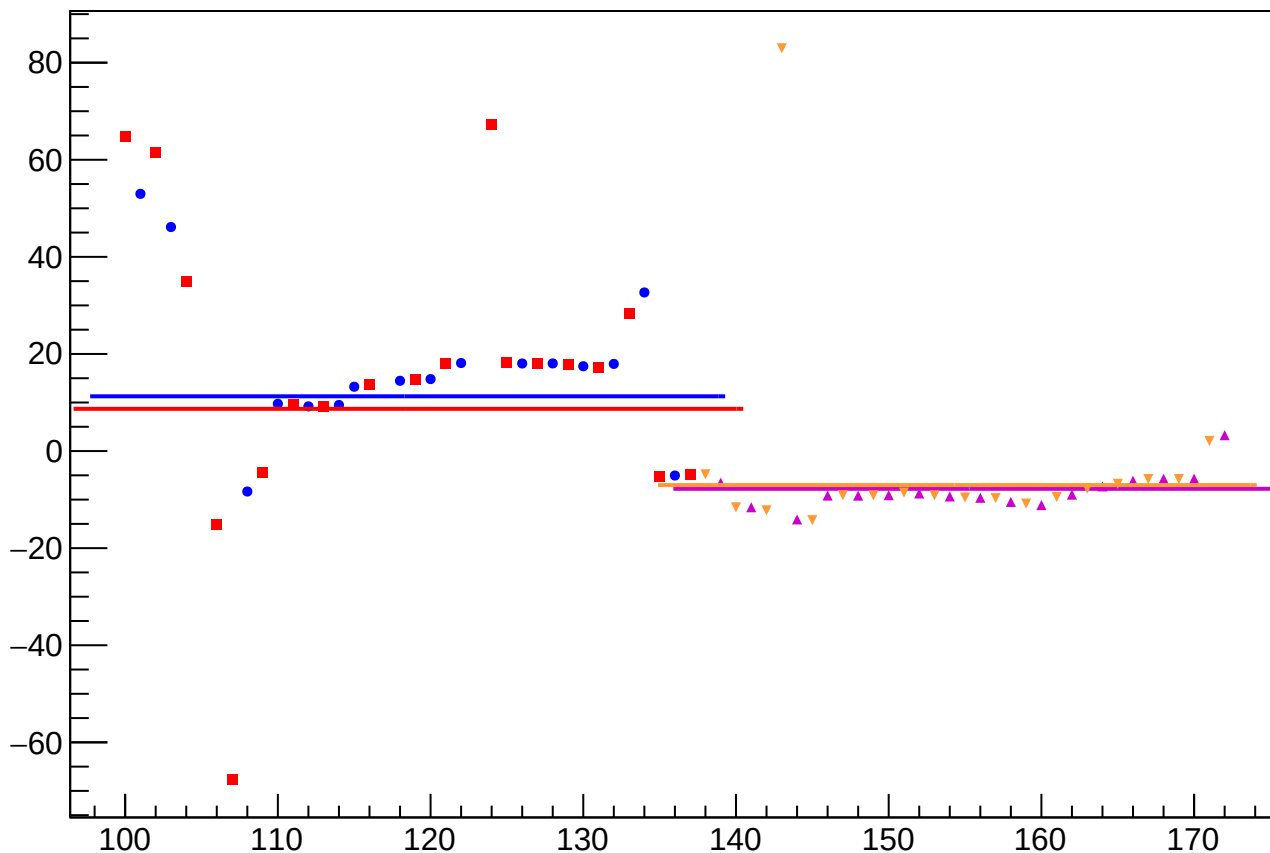
Left In: 4.191 ± 0.282 χ^2/NDF : 105.9/16

+ sign 0.665 ± 0.246 χ^2/NDF : 1568.8/33

All: 0.634 ± 0.174 χ^2/NDF : 3048.3/69

- sign 0.603 ± 0.247 χ^2/NDF : 1479.5/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



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

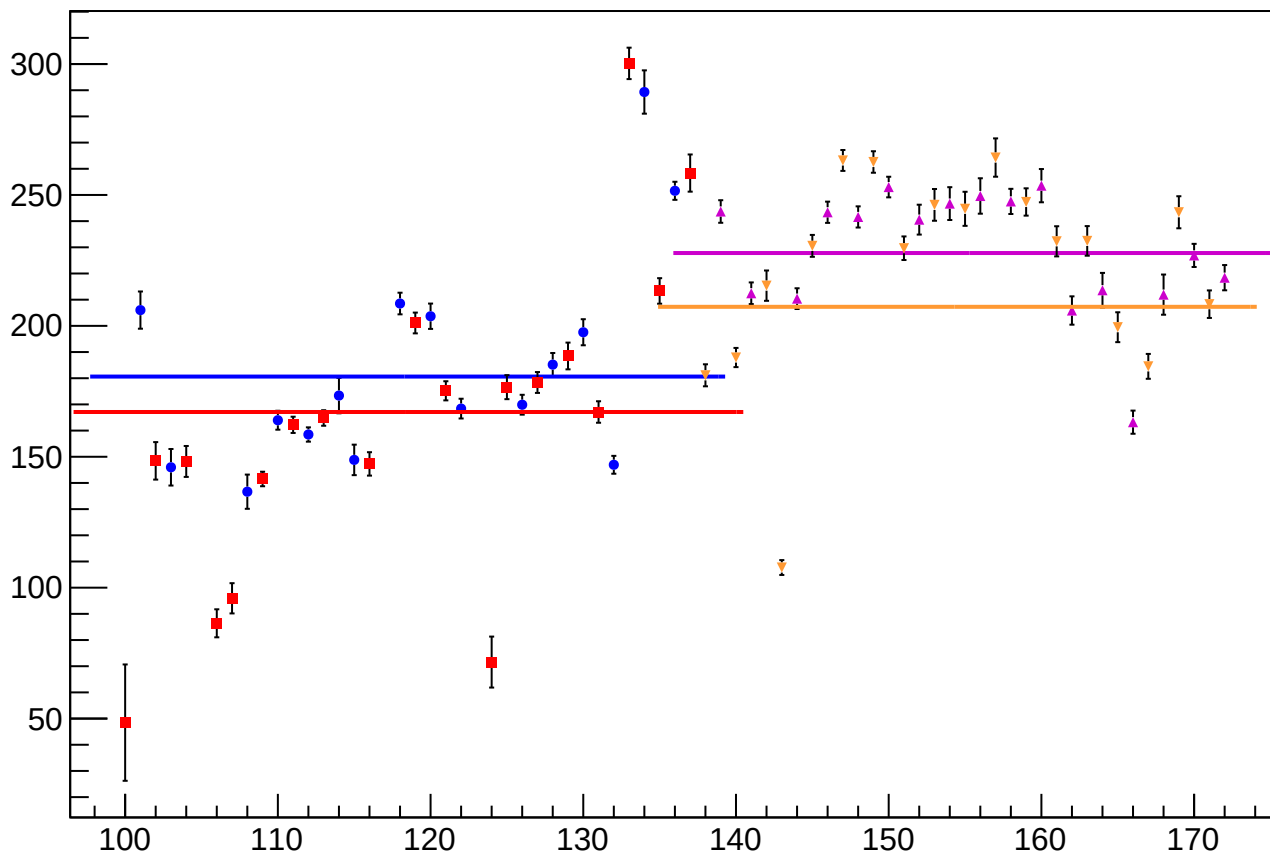
Left In: -7.777+/-0.012 χ^2 /NDF: 87330.7/16

+ sign -4.221+/-0.012 χ^2 /NDF: 1197145.1/33

All: -4.892+/-0.008 χ^2 /NDF: 1964877.9/69

- sign -5.548+/-0.012 χ^2 /NDF: 761211.2/35

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 ± 1.090 $\chi^2/\text{NDF}: 993.4/15$

Left Out: 207.276 ± 1.105 $\chi^2/\text{NDF}: 2022.5/17$

Right Out: 167.102 ± 1.021 $\chi^2/\text{NDF}: 1484.6/18$

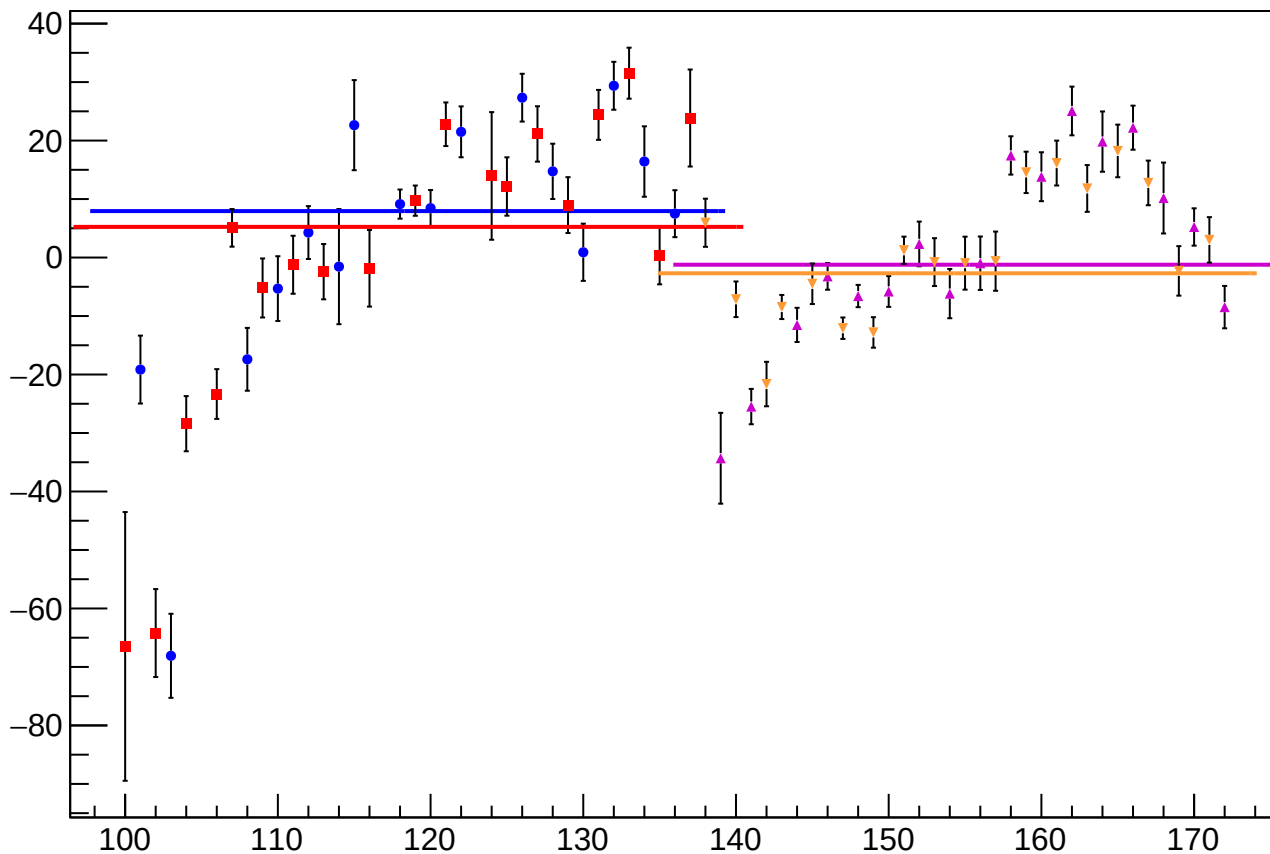
Left In: 227.820 ± 1.172 $\chi^2/\text{NDF}: 414.5/16$

+ sign 193.769 ± 0.776 $\chi^2/\text{NDF}: 3310.6/33$

All: 193.529 ± 0.546 $\chi^2/\text{NDF}: 6735.9/69$

- sign 193.293 ± 0.770 $\chi^2/\text{NDF}: 3425.2/35$

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

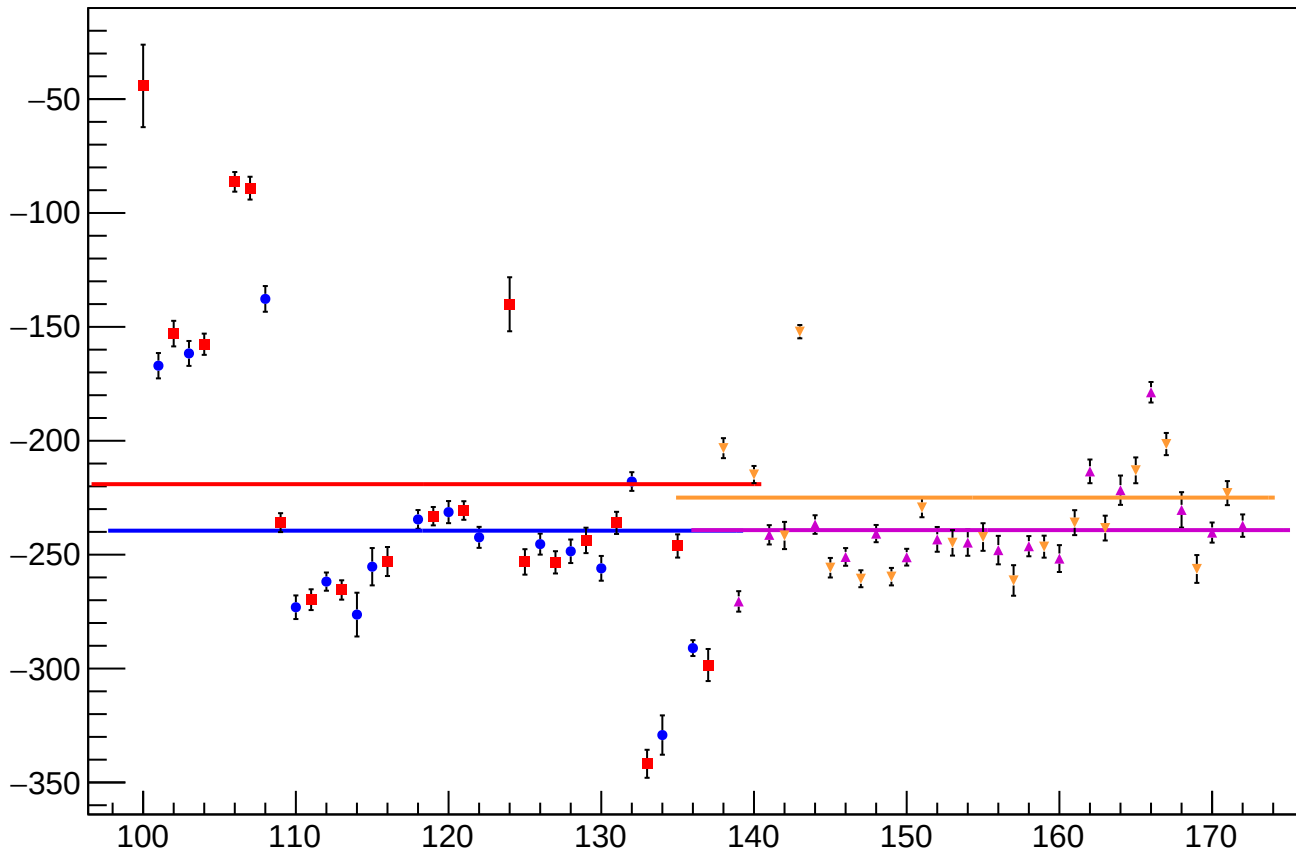
Left In: -1.226 ± 0.804 χ^2/NDF : 261.3/16

+ sign 0.621 ± 0.621 χ^2/NDF : 481.1/33

All: 0.869 ± 0.446 χ^2/NDF : 1069.2/69

- sign 1.132 ± 0.641 χ^2/NDF : 587.8/35

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -239.468 ± 1.245 χ^2/NDF : 1162.2/15

Left Out: -224.951 ± 1.089 χ^2/NDF : 1021.0/17

Right Out: -219.053 ± 1.176 χ^2/NDF : 3049.3/18

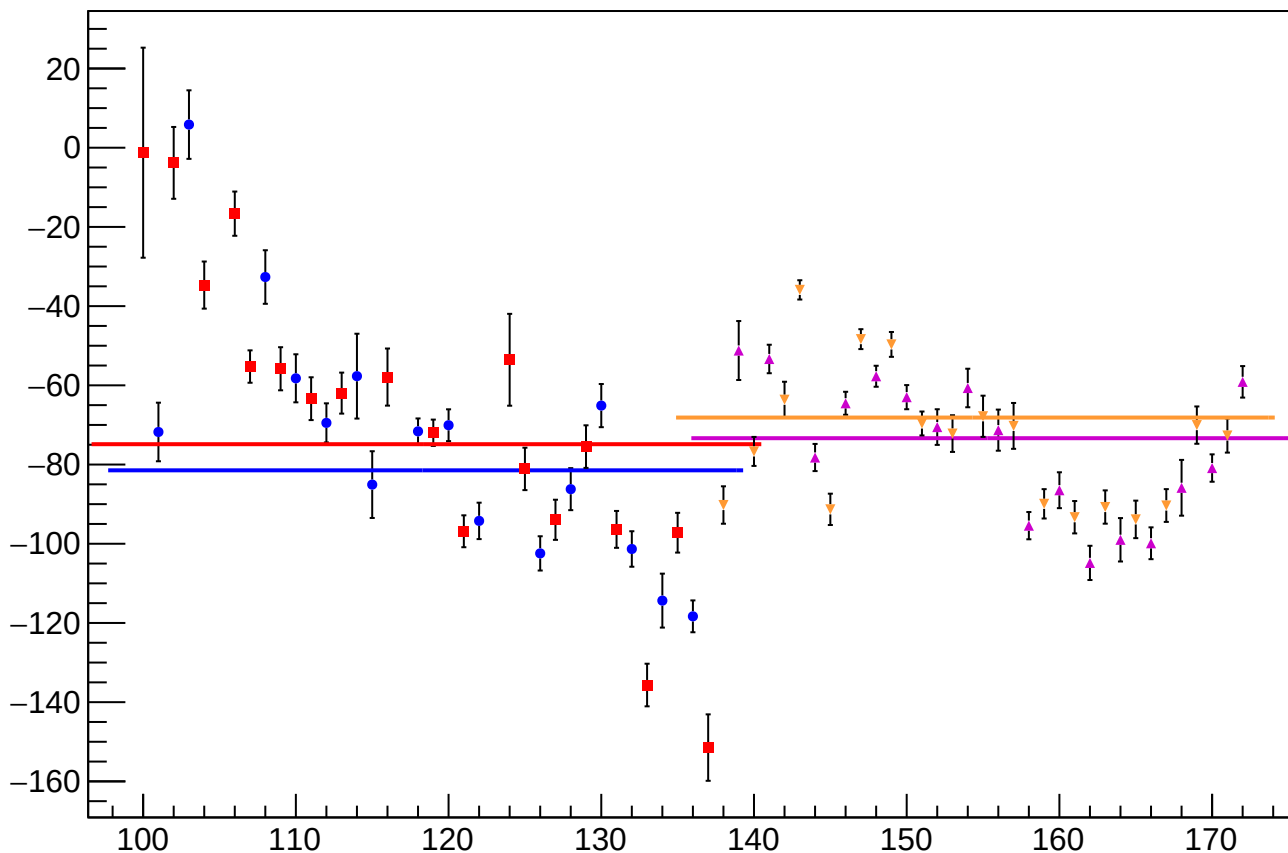
Left In: -239.223 ± 1.145 χ^2/NDF : 293.1/16

+ sign -231.238 ± 0.820 χ^2/NDF : 2260.3/33

All: -230.327 ± 0.580 χ^2/NDF : 5756.2/69

- sign -229.414 ± 0.820 χ^2/NDF : 3493.4/35

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



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

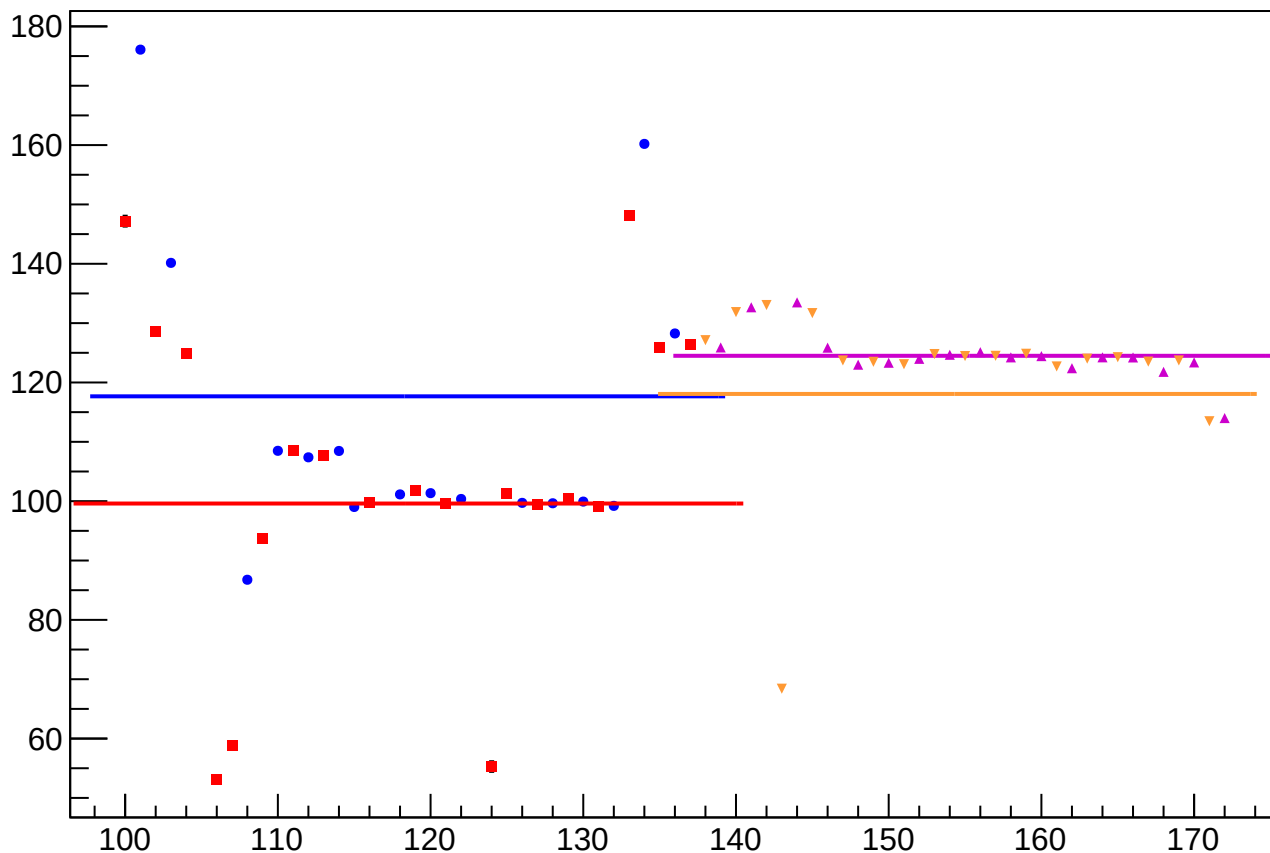
Left In: -73.347 ± 0.942 χ^2/NDF : 293.6/16

+ sign -72.421 ± 0.730 χ^2/NDF : 935.6/33

All: -73.145 ± 0.522 χ^2/NDF : 1808.8/69

- sign -73.907 ± 0.748 χ^2/NDF : 871.2/35

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 118.068 $\pm$ 0.042 χ^2 /NDF: 198758.7/17

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

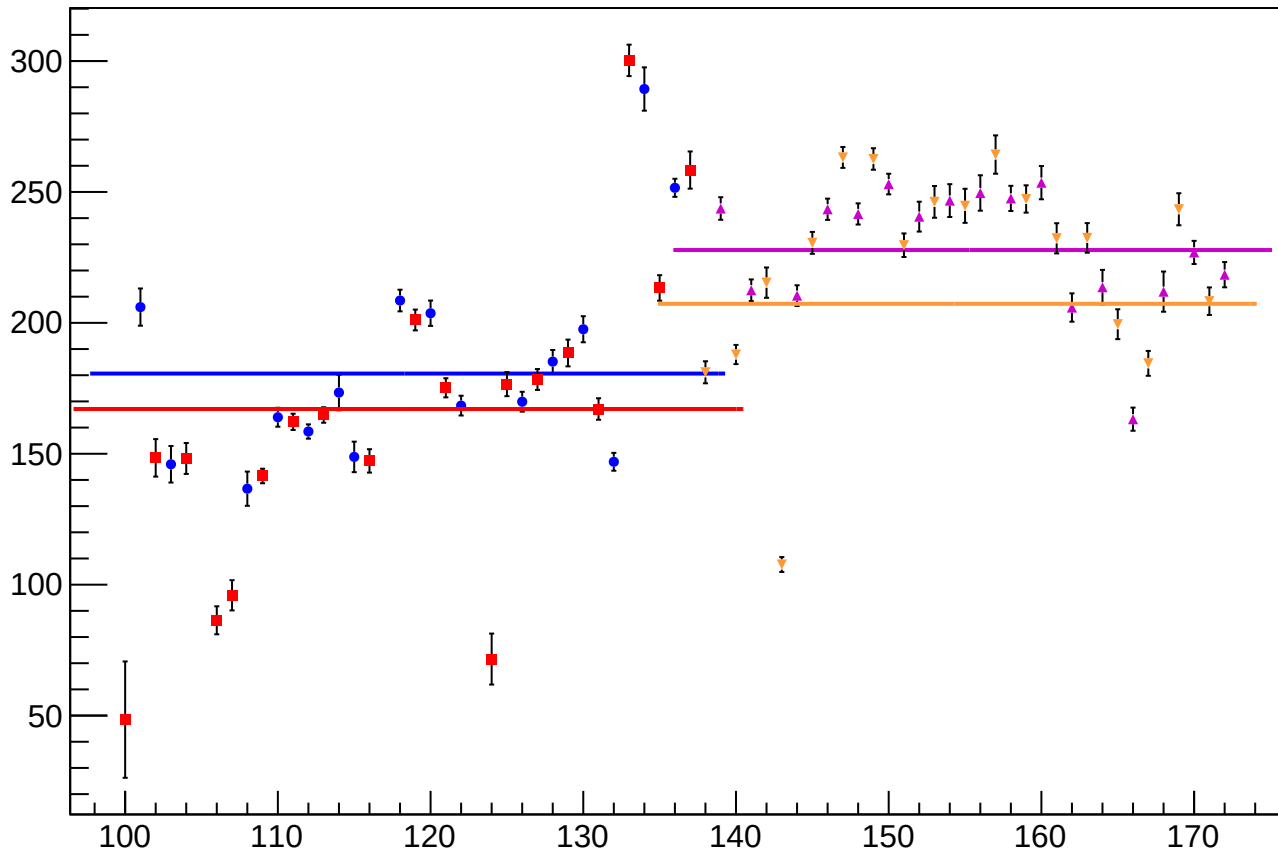
Left In: 124.495 $\pm$ 0.043 χ^2 /NDF: 9117.7/16

+ sign 117.978 $\pm$ 0.037 χ^2 /NDF: 294176.4/33

All: 117.807 $\pm$ 0.026 χ^2 /NDF: 560395.7/69

- sign 117.639 $\pm$ 0.037 χ^2 /NDF: 266177.3/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 180.634 $\pm$ 1.090 χ^2 /NDF: 993.4/15

Left Out: 207.276 $\pm$ 1.105 χ^2 /NDF: 2022.5/17

Right Out: 167.102 $\pm$ 1.021 χ^2 /NDF: 1484.6/18

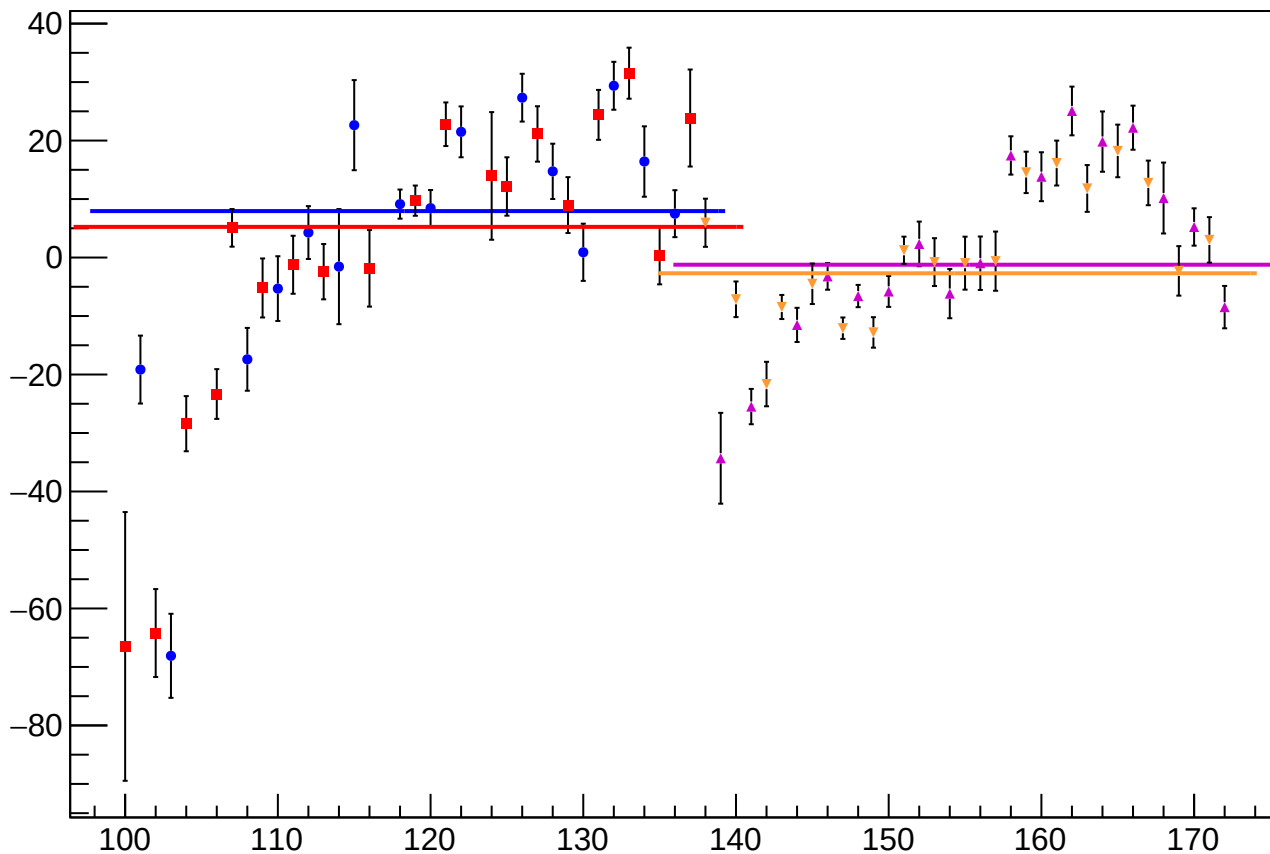
Left In: 227.820 $\pm$ 1.172 χ^2 /NDF: 414.5/16

+ sign 193.769 $\pm$ 0.776 χ^2 /NDF: 3310.6/33

All: 193.529 $\pm$ 0.546 χ^2 /NDF: 6735.9/69

- sign 193.293 $\pm$ 0.770 χ^2 /NDF: 3425.2/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 7.942 ± 1.113 χ^2/NDF : 232.9/15

Left Out: -2.692 ± 0.749 χ^2/NDF : 185.4/17

Right Out: 5.244 ± 1.062 χ^2/NDF : 302.9/18

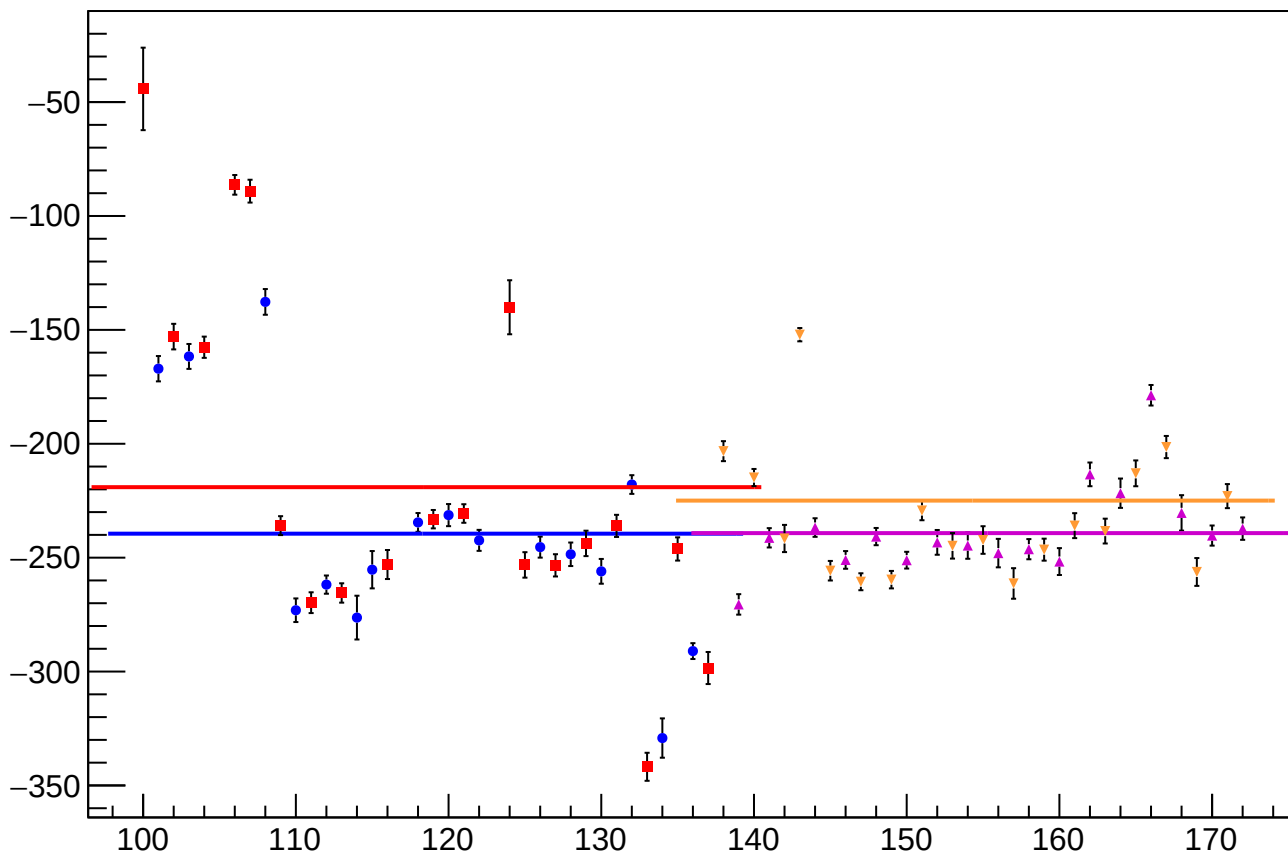
Left In: -1.226 ± 0.804 χ^2/NDF : 261.3/16

+ sign 0.621 ± 0.621 χ^2/NDF : 481.1/33

All: 0.869 ± 0.446 χ^2/NDF : 1069.2/69

- sign 1.132 ± 0.641 χ^2/NDF : 587.8/35

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

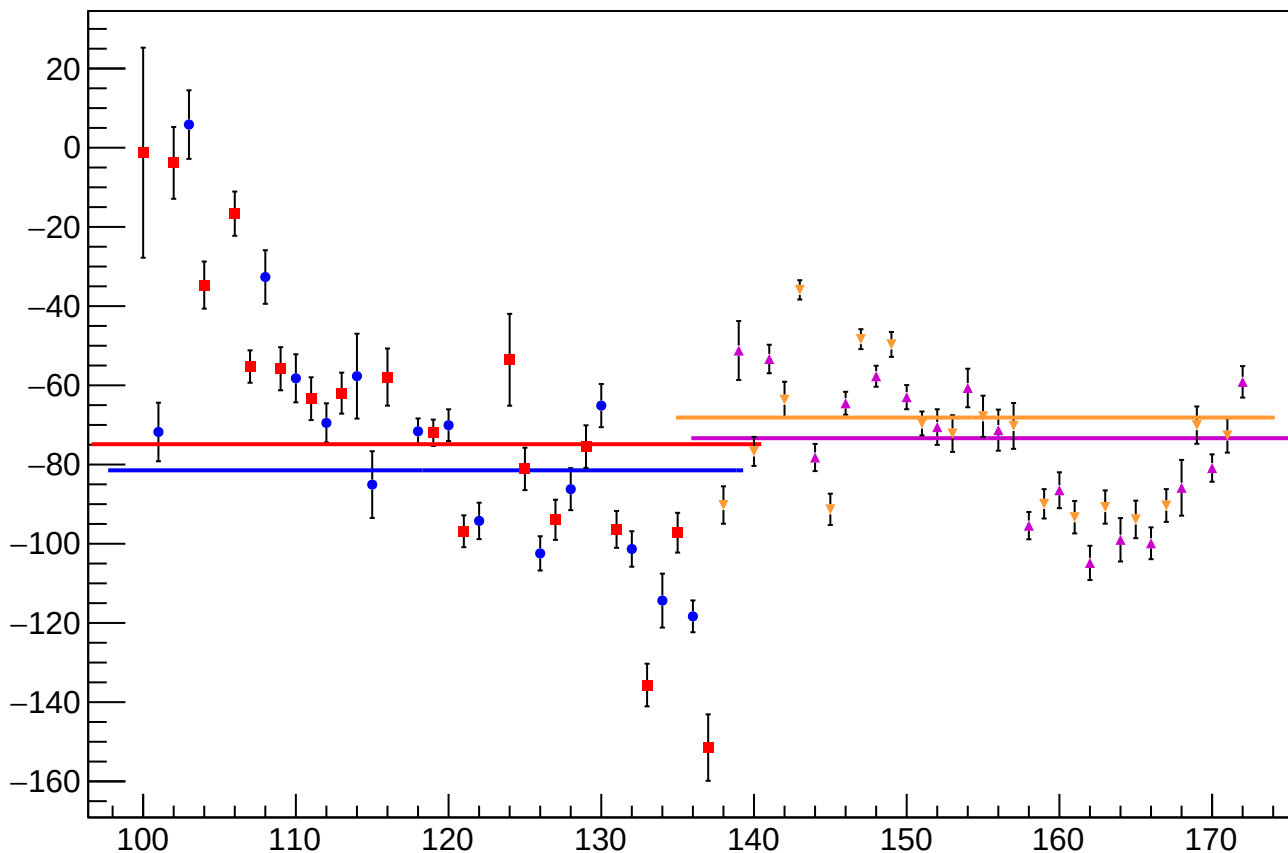
Left In: -239.223 ± 1.145 χ^2/NDF : 293.1/16

+ sign -231.238 ± 0.820 χ^2/NDF : 2260.3/33

All: -230.327 ± 0.580 χ^2/NDF : 5756.2/69

- sign -229.414 ± 0.820 χ^2/NDF : 3493.4/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



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

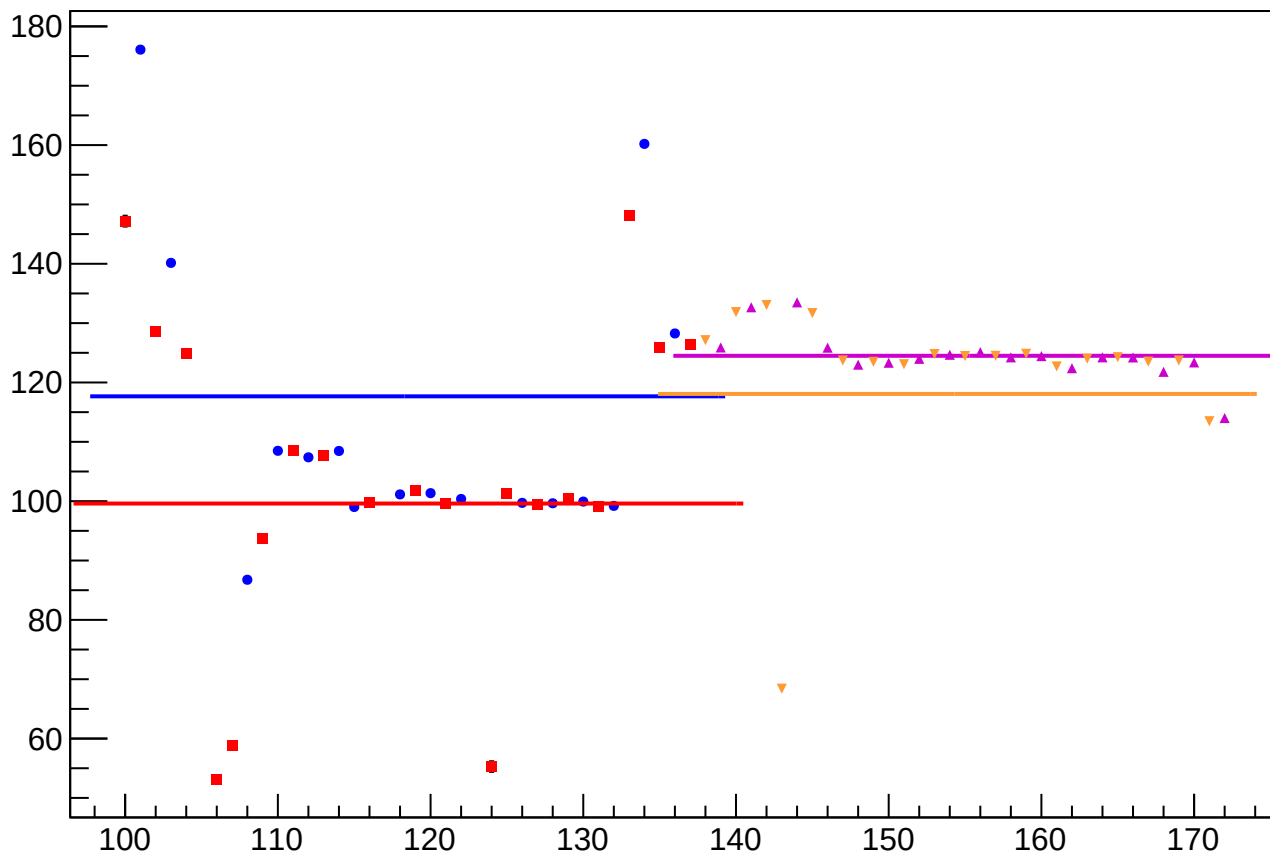
Left In: -73.347 ± 0.942 χ^2/NDF : 293.6/16

+ sign -72.421 ± 0.730 χ^2/NDF : 935.6/33

All: -73.145 ± 0.522 χ^2/NDF : 1808.8/69

- sign -73.907 ± 0.748 χ^2/NDF : 871.2/35

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



Right In: 117.666 $\pm$ 0.078 χ^2 /NDF: 95397.2/15

Left Out: 118.068 $\pm$ 0.042 χ^2 /NDF: 198758.7/17

Right Out: 99.604 $\pm$ 0.070 χ^2 /NDF: 166236.0/18

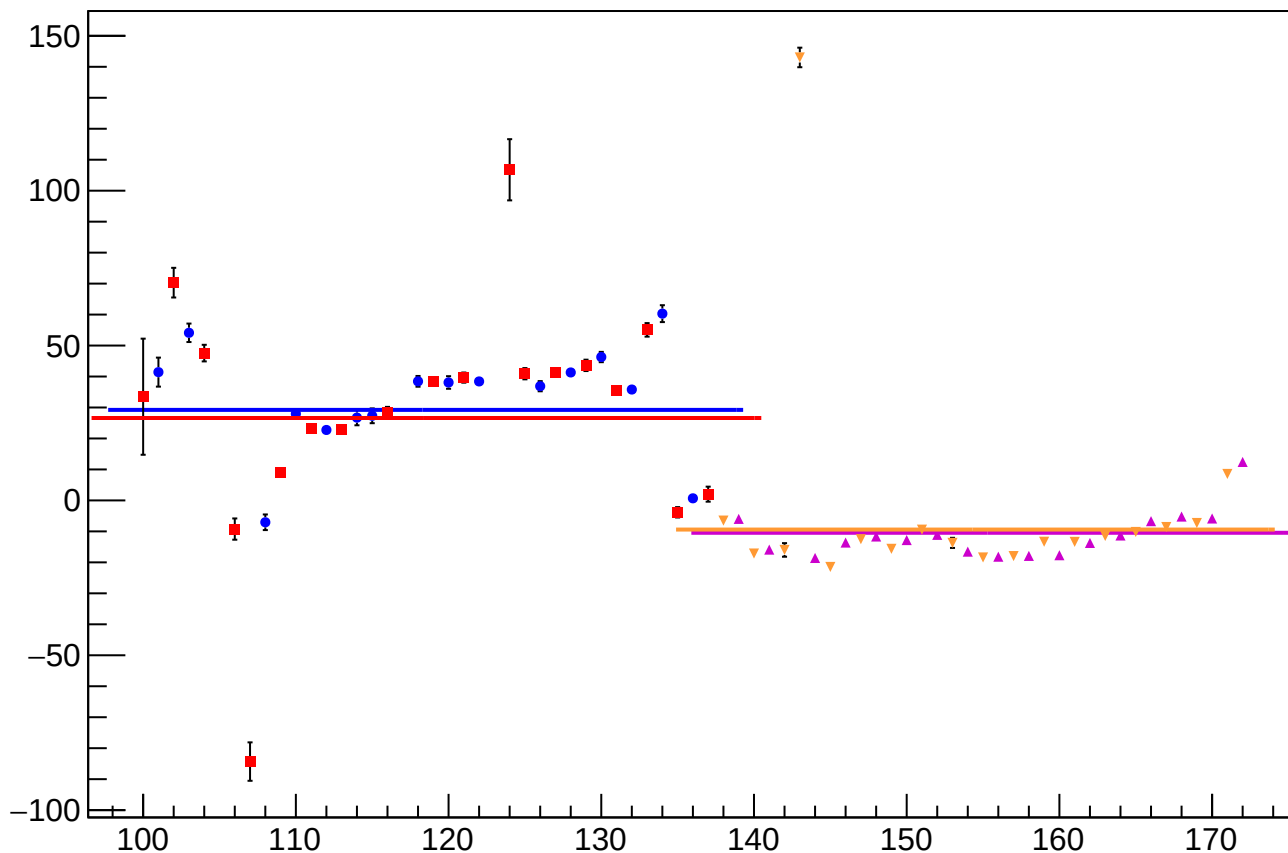
Left In: 124.495 $\pm$ 0.043 χ^2 /NDF: 9117.7/16

+ sign 117.978 $\pm$ 0.037 χ^2 /NDF: 294176.4/33

All: 117.807 $\pm$ 0.026 χ^2 /NDF: 560395.7/69

- sign 117.639 $\pm$ 0.037 χ^2 /NDF: 266177.3/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 29.229+/-0.424 χ^2 /NDF: 1342.9/15

Left Out: -9.410+/-0.351 χ^2 /NDF: 2741.9/17

Right Out: 26.609+/-0.414 χ^2 /NDF: 1920.6/18

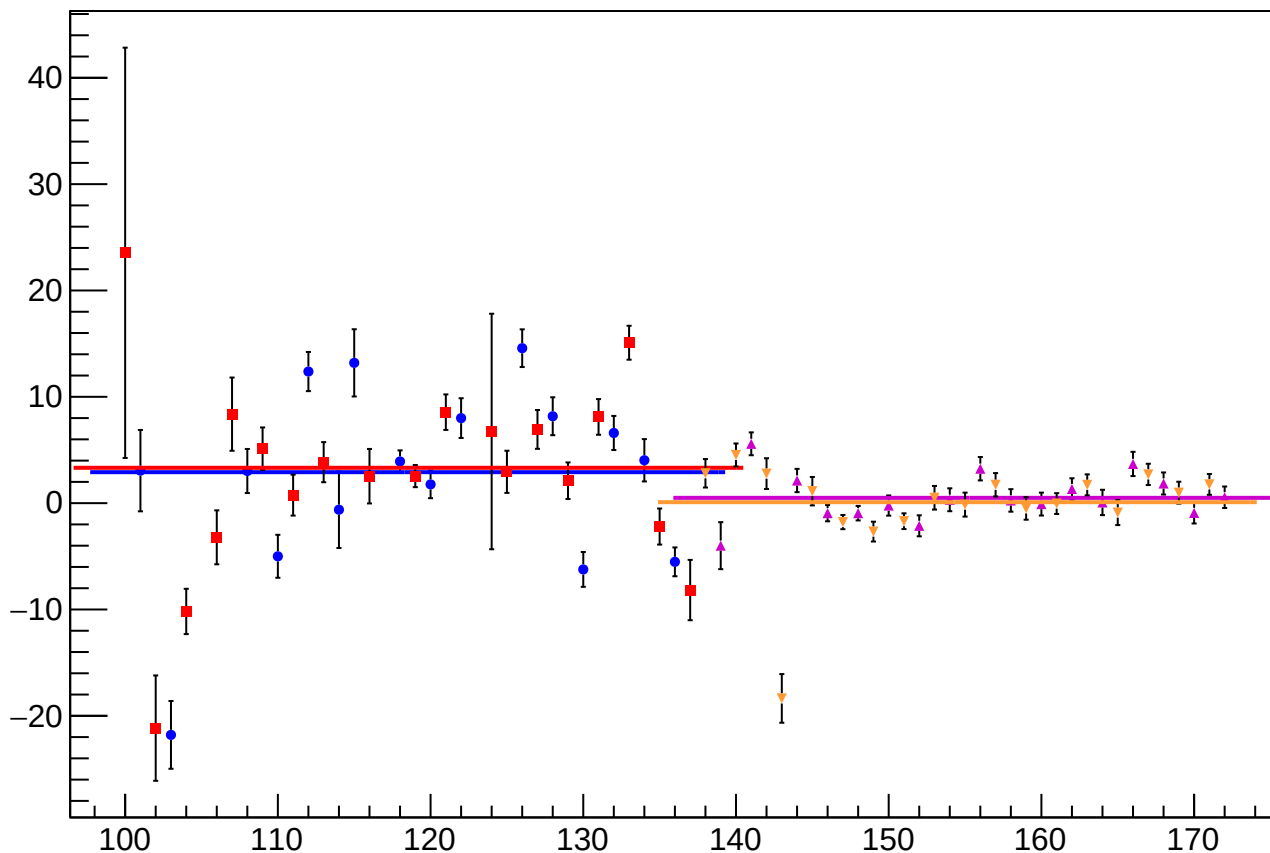
Left In: -10.450+/-0.345 χ^2 /NDF: 485.4/16

+ sign 6.272+/-0.270 χ^2 /NDF: 9012.5/33

All: 5.482+/-0.189 χ^2 /NDF: 16165.3/69

- sign 4.723+/-0.265 χ^2 /NDF: 7136.0/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.912 $\pm$ 0.442 χ^2 /NDF: 250.0/15

Left Out: 0.092 $\pm$ 0.243 χ^2 /NDF: 129.4/17

Right Out: 3.326 $\pm$ 0.454 χ^2 /NDF: 181.8/18

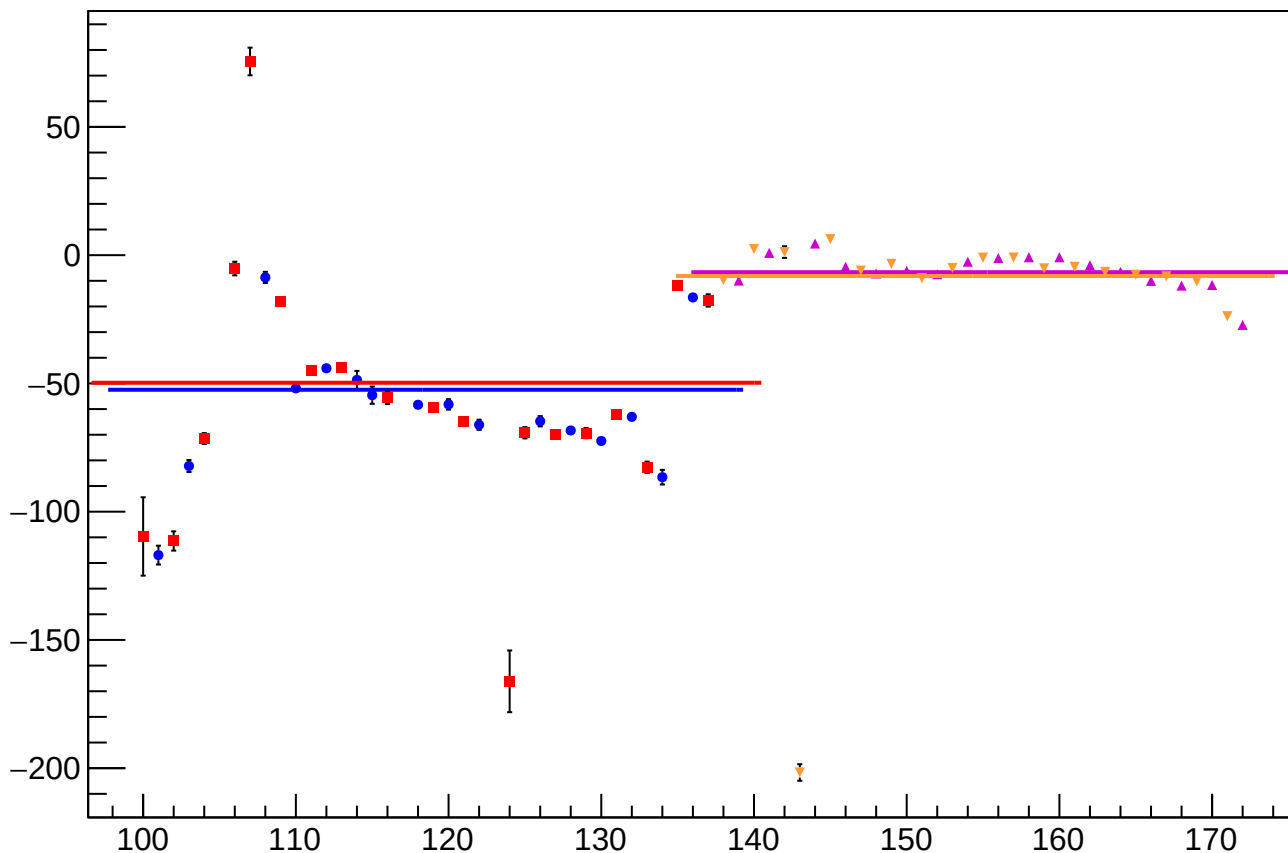
Left In: 0.499 $\pm$ 0.245 χ^2 /NDF: 63.3/16

+ sign 0.745 $\pm$ 0.213 χ^2 /NDF: 410.6/33

All: 0.938 $\pm$ 0.151 χ^2 /NDF: 687.5/69

- sign 1.136 $\pm$ 0.215 χ^2 /NDF: 275.2/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



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

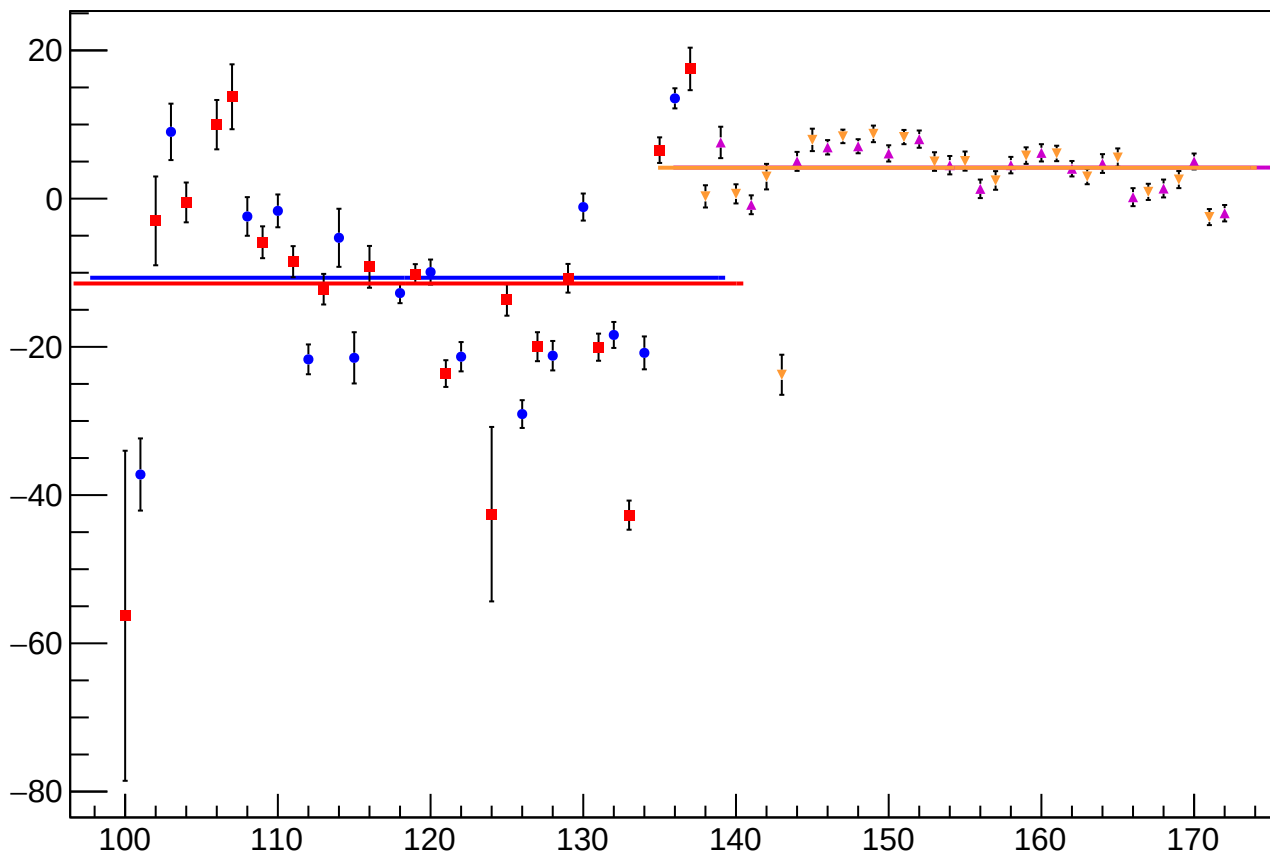
Left In: -6.641±/0.337 χ^2/NDF : 411.2/16

+ sign -22.755±/0.280 χ^2/NDF : 11815.1/33

All: -21.522±/0.197 χ^2/NDF : 20470.1/69

- sign -20.306±/0.278 χ^2/NDF : 8616.6/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



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

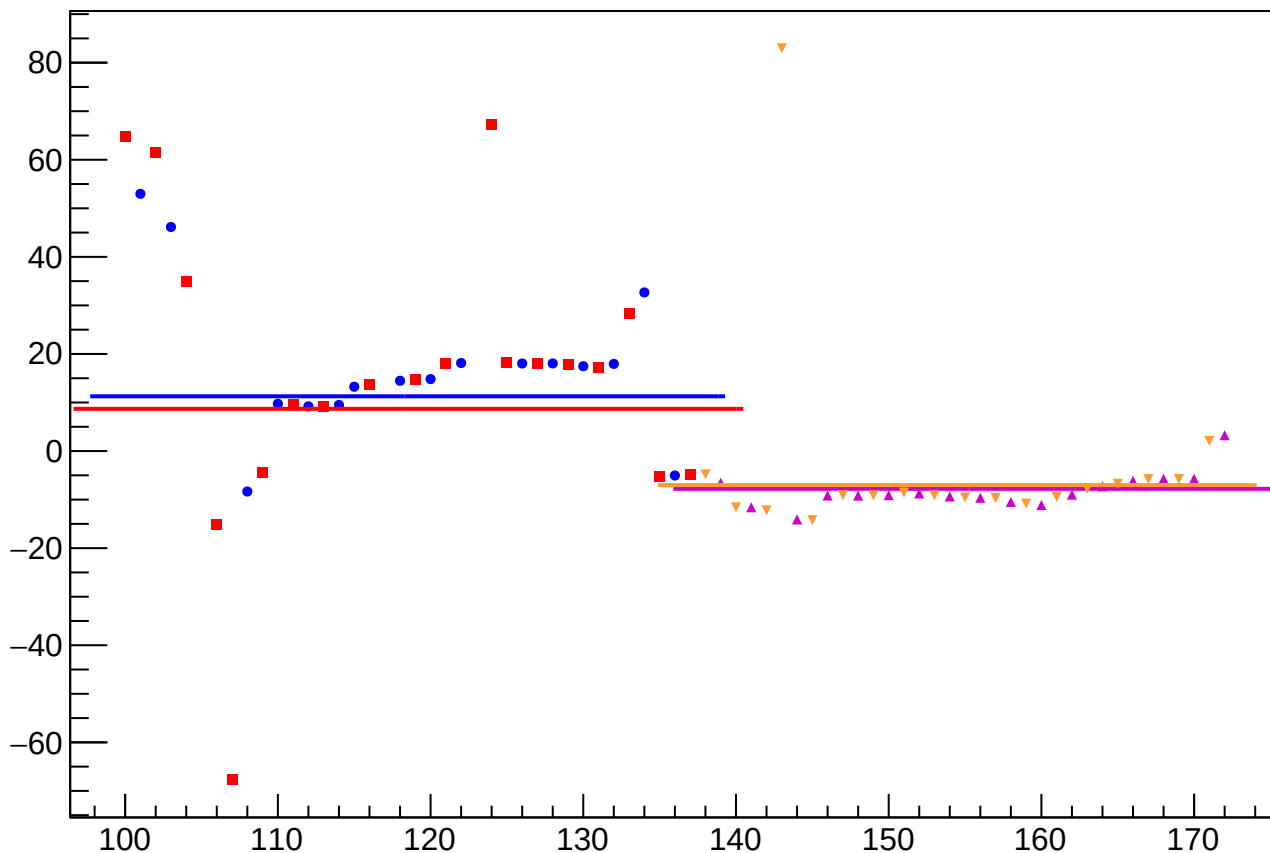
Left In: 4.191 ± 0.282 χ^2/NDF : 105.9/16

+ sign 0.665 ± 0.246 χ^2/NDF : 1568.8/33

All: 0.634 ± 0.174 χ^2/NDF : 3048.3/69

- sign 0.603 ± 0.247 χ^2/NDF : 1479.5/35

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.277 $\pm$ 0.030 χ^2 /NDF: 349346.9/15

Left Out: -7.008 $\pm$ 0.013 χ^2 /NDF: 531289.9/17

Right Out: 8.698 $\pm$ 0.031 χ^2 /NDF: 436156.0/18

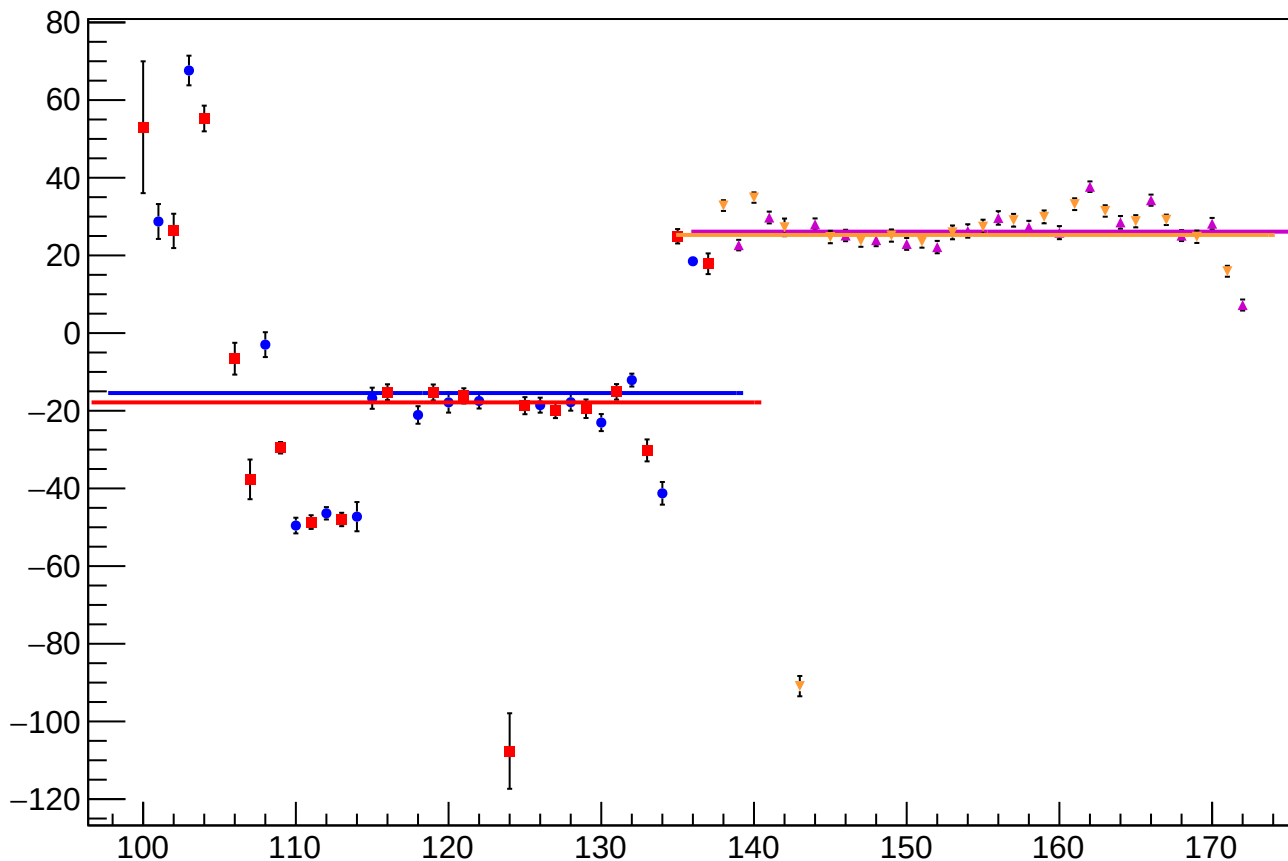
Left In: -7.777 $\pm$ 0.012 χ^2 /NDF: 87330.7/16

+ sign -4.221 $\pm$ 0.012 χ^2 /NDF: 1197145.1/33

All: -4.892 $\pm$ 0.008 χ^2 /NDF: 1964877.9/69

- sign -5.548 $\pm$ 0.012 χ^2 /NDF: 761211.2/35

reg_asym_at1_dd_at2_dd_avg_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

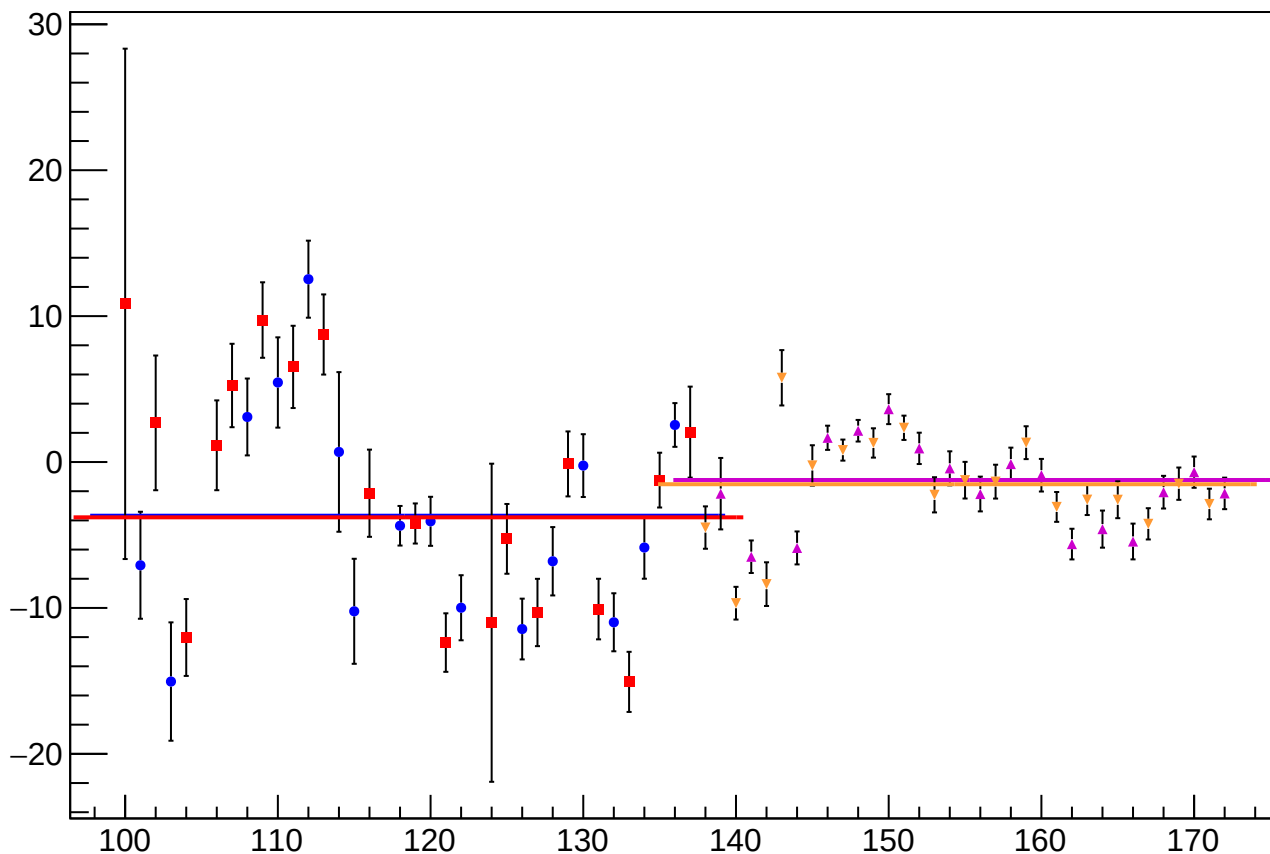
Left In: 26.119 ± 0.369 χ^2/NDF : 315.9/16

+ sign 12.024 ± 0.308 χ^2/NDF : 8151.1/33

All: 11.875 ± 0.216 χ^2/NDF : 15228.8/69

- sign 11.730 ± 0.303 χ^2/NDF : 7077.1/35

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

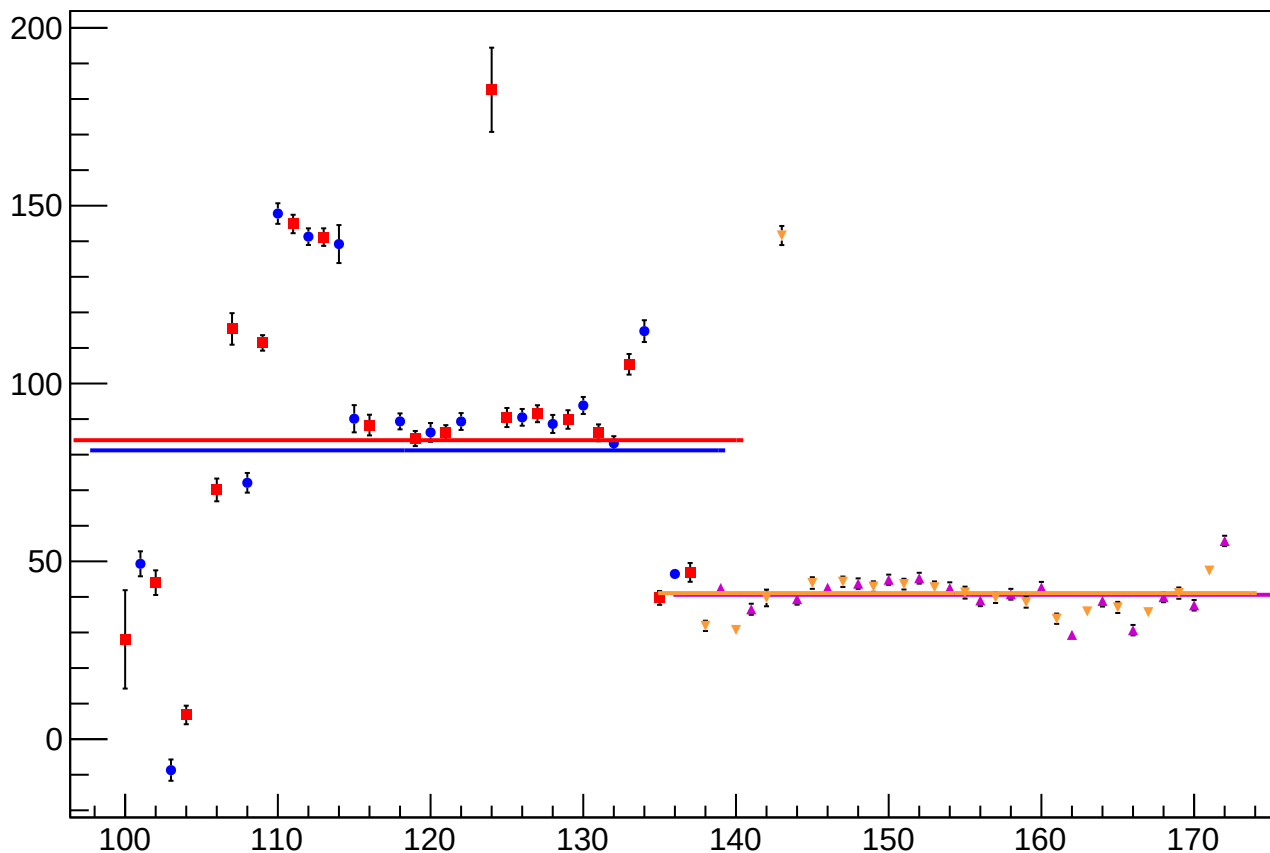
Left In: -1.231 ± 0.262 χ^2/NDF : 138.8/16

+ sign -1.913 ± 0.235 χ^2/NDF : 289.1/33

All: -1.800 ± 0.167 χ^2/NDF : 606.5/69

- sign -1.685 ± 0.237 χ^2/NDF : 316.9/35

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

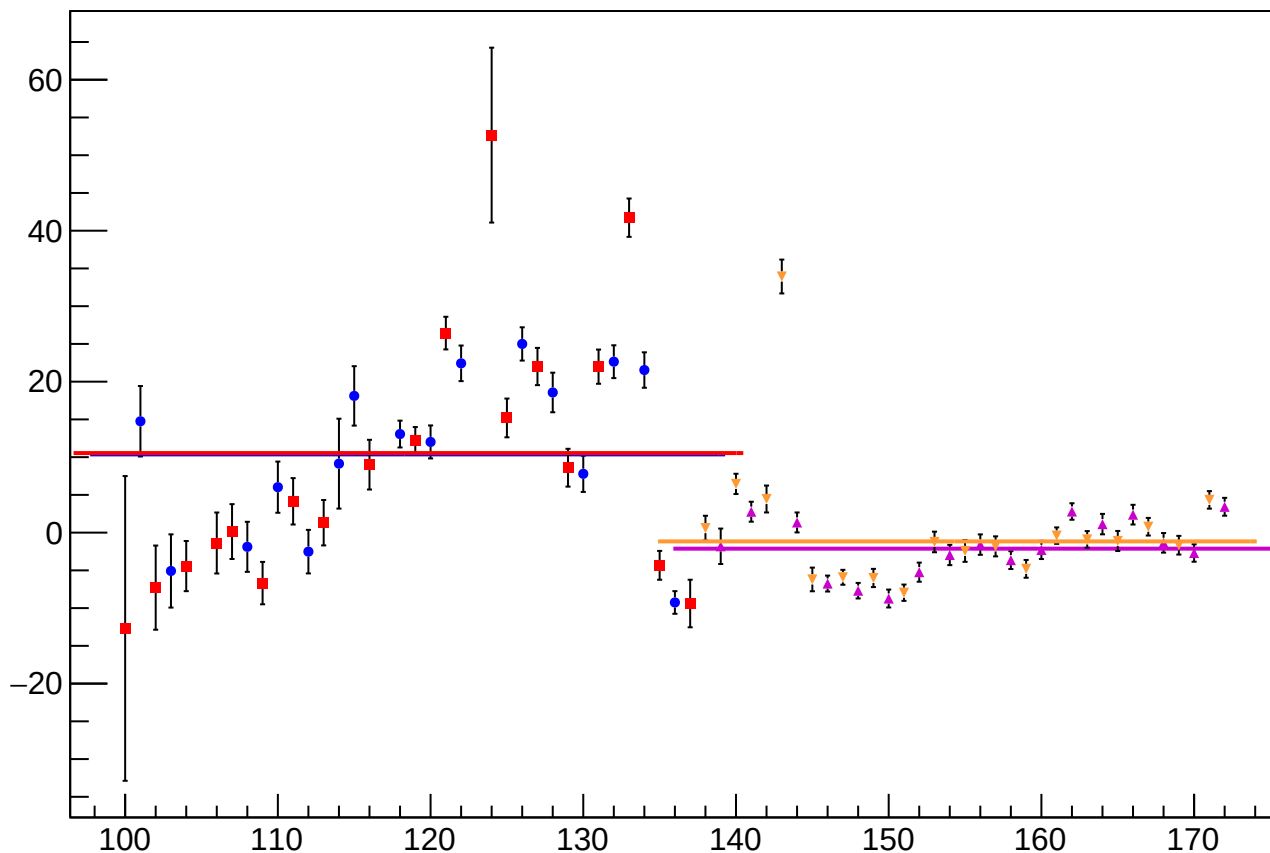
Left In: 40.597+/-0.361 χ^2/NDF : 272.3/16

+ sign 51.768+/-0.313 χ^2/NDF : 8030.4/33

All: 51.728+/-0.221 χ^2/NDF : 15214.7/69

- sign 51.689+/-0.311 χ^2/NDF : 7184.3/35

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.367 ± 0.627 χ^2/NDF : 359.8/15

Left Out: -1.162 ± 0.300 χ^2/NDF : 414.0/17

Right Out: 10.539 ± 0.640 χ^2/NDF : 470.7/18

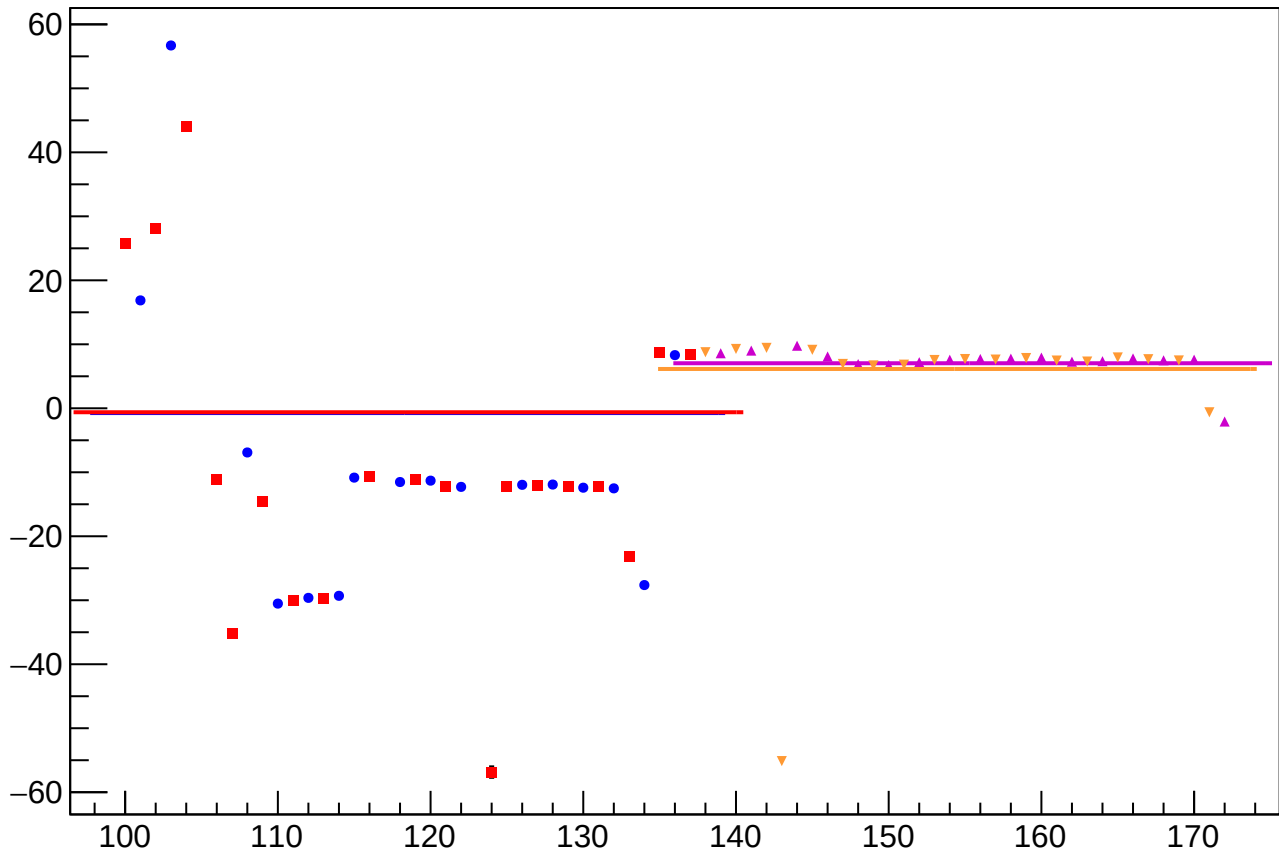
Left In: -2.124 ± 0.301 χ^2/NDF : 168.9/16

+ sign 0.994 ± 0.271 χ^2/NDF : 1049.1/33

All: 0.584 ± 0.192 χ^2/NDF : 2013.7/69

- sign 0.170 ± 0.273 χ^2/NDF : 960.0/35

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



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

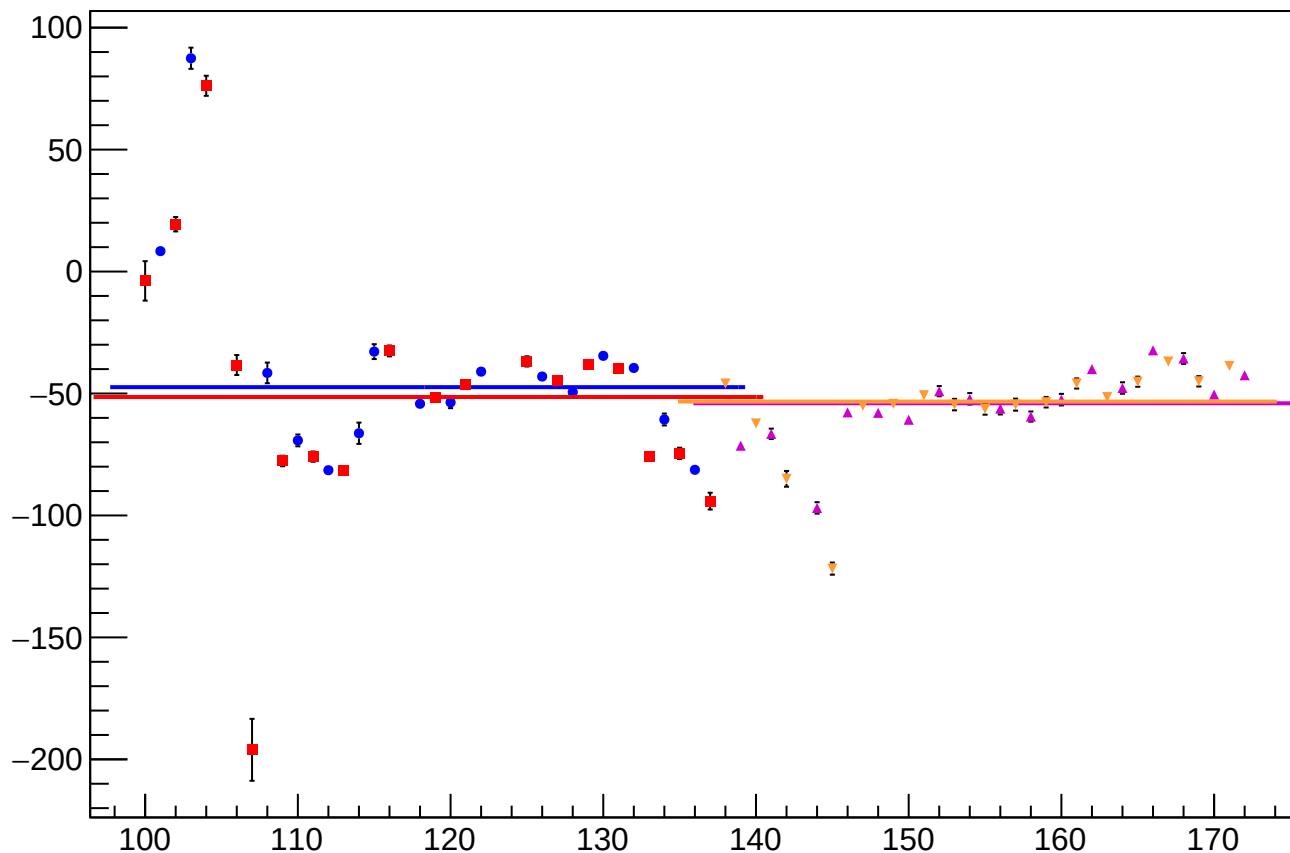
Left In: 7.040 ± 0.013 χ^2/NDF : 38525.2/16

+ sign 5.280 ± 0.013 χ^2/NDF : 736708.8/33

All: 5.732 ± 0.009 χ^2/NDF : 1131545.5/69

- sign 6.173 ± 0.013 χ^2/NDF : 392336.0/35

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

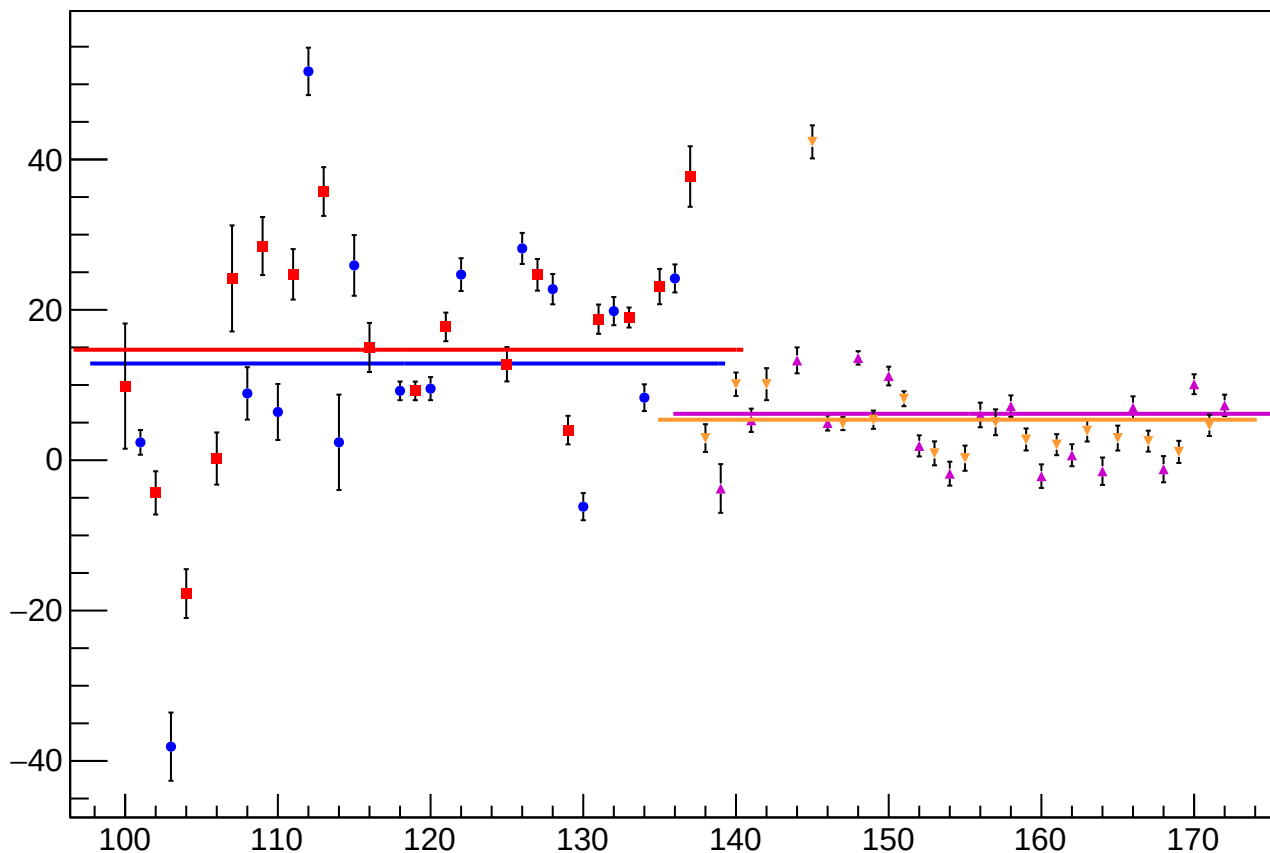
Left In: -54.018 ± 0.491 χ^2/NDF : 820.9/16

+ sign -50.535 ± 0.366 χ^2/NDF : 3921.2/32

All: -51.704 ± 0.259 χ^2/NDF : 7647.5/67

- sign -52.864 ± 0.365 χ^2/NDF : 3705.9/34

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.860 $\pm$ 0.519 χ^2 /NDF: 625.5/15

Left Out: 5.386 $\pm$ 0.342 χ^2 /NDF: 348.5/16

Right Out: 14.691 $\pm$ 0.544 χ^2 /NDF: 364.1/17

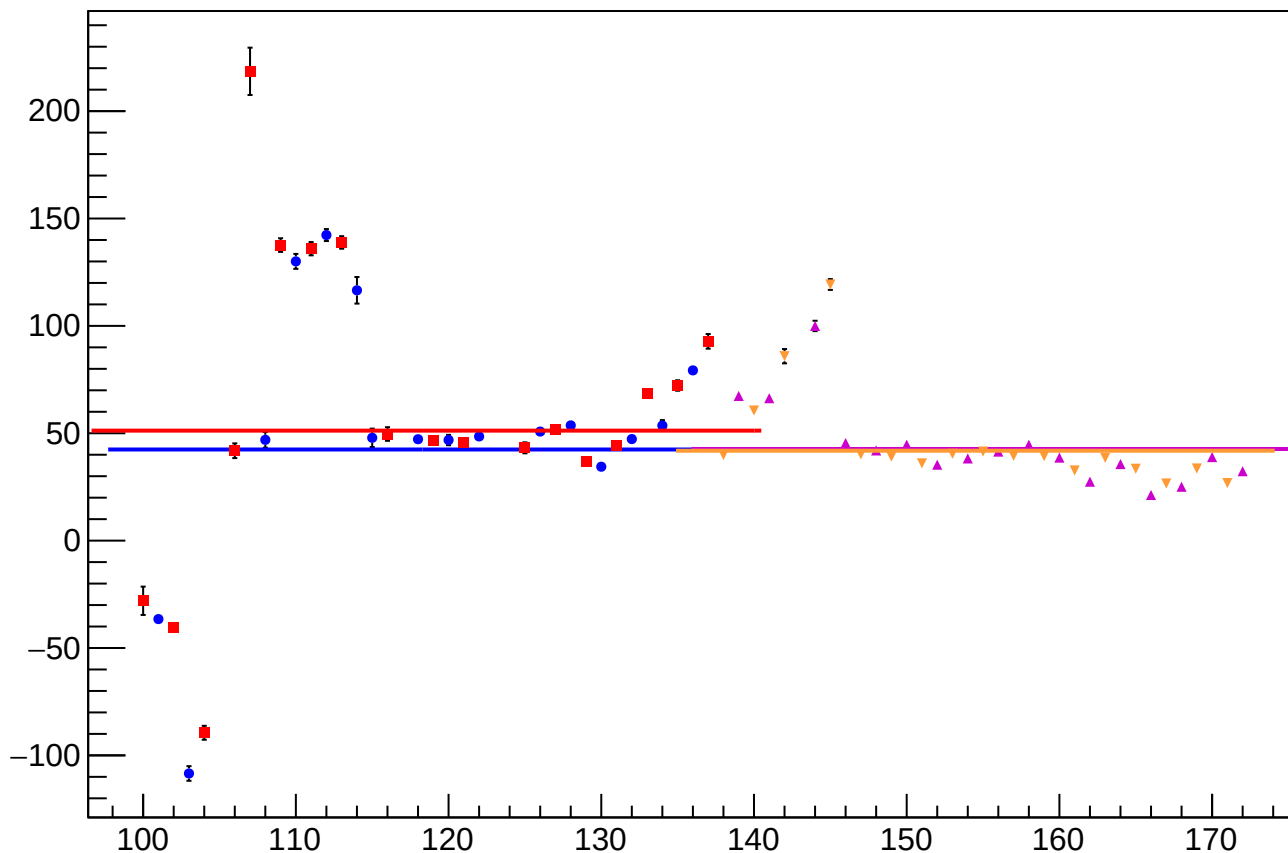
Left In: 6.172 $\pm$ 0.343 χ^2 /NDF: 235.5/16

+ sign 7.651 $\pm$ 0.286 χ^2 /NDF: 1118.7/32

All: 8.115 $\pm$ 0.204 χ^2 /NDF: 1899.0/67

- sign 8.593 $\pm$ 0.290 χ^2 /NDF: 774.9/34

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

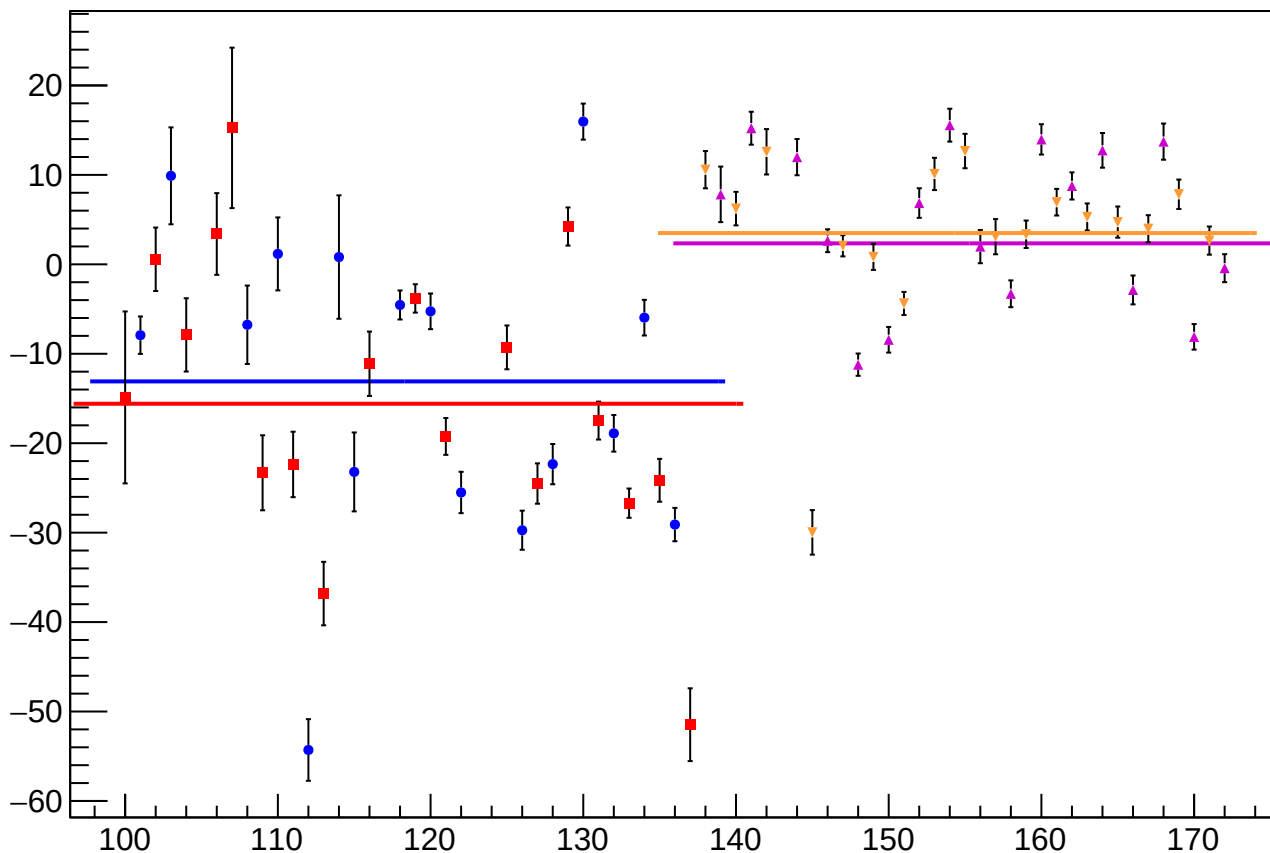
Left In: 42.681 ± 0.479 χ^2/NDF : 1196.0/16

+ sign 42.110 ± 0.375 χ^2/NDF : 8592.5/32

All: 43.996 ± 0.266 χ^2/NDF : 16570.9/67

- sign 45.906 ± 0.378 χ^2/NDF : 7927.6/34

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.090 ± 0.600 χ^2/NDF : 639.9/15

Left Out: 3.497 ± 0.398 χ^2/NDF : 300.0/16

Right Out: -15.589 ± 0.627 χ^2/NDF : 401.8/17

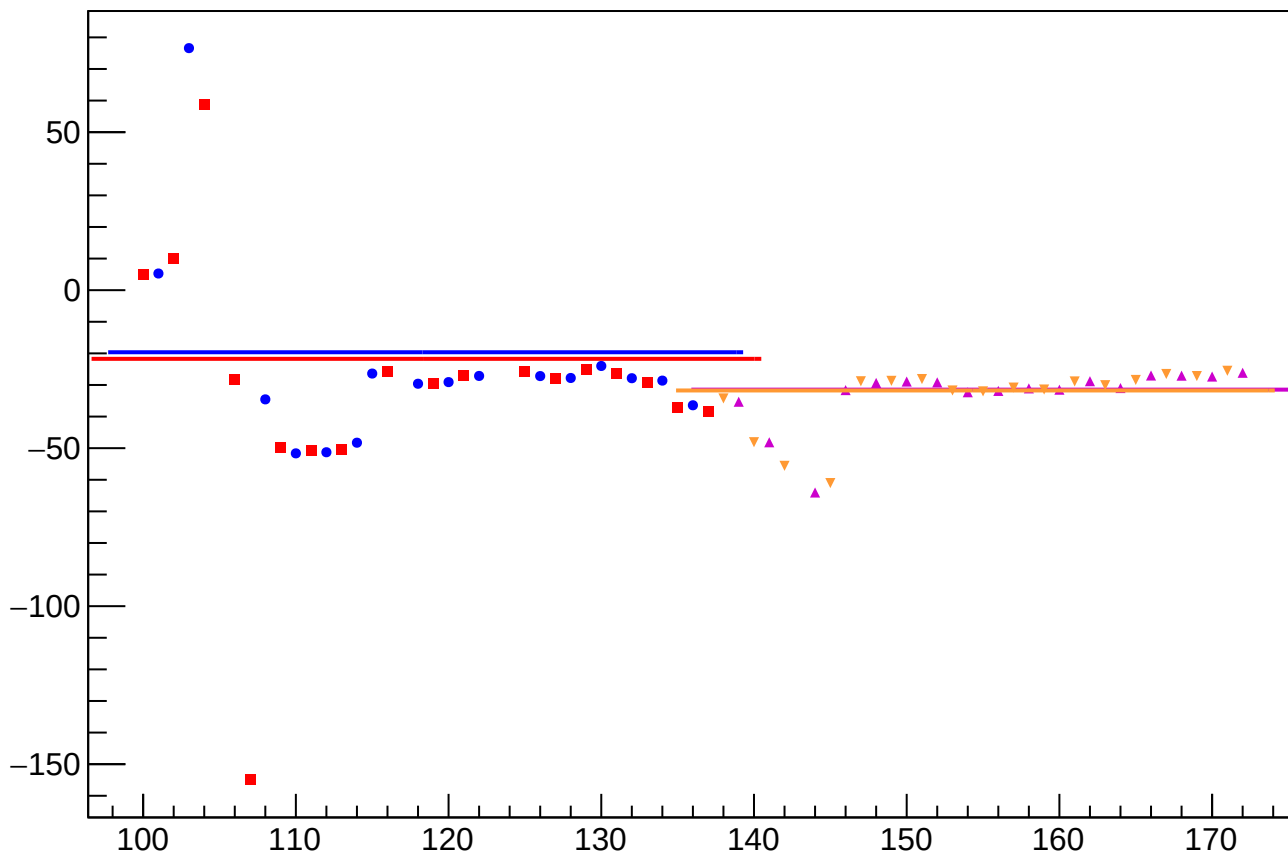
Left In: 2.344 ± 0.397 χ^2/NDF : 515.1/16

+ sign -1.581 ± 0.332 χ^2/NDF : 1470.7/32

All: -2.177 ± 0.236 χ^2/NDF : 2978.5/67

- sign -2.786 ± 0.335 χ^2/NDF : 1501.3/34

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



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

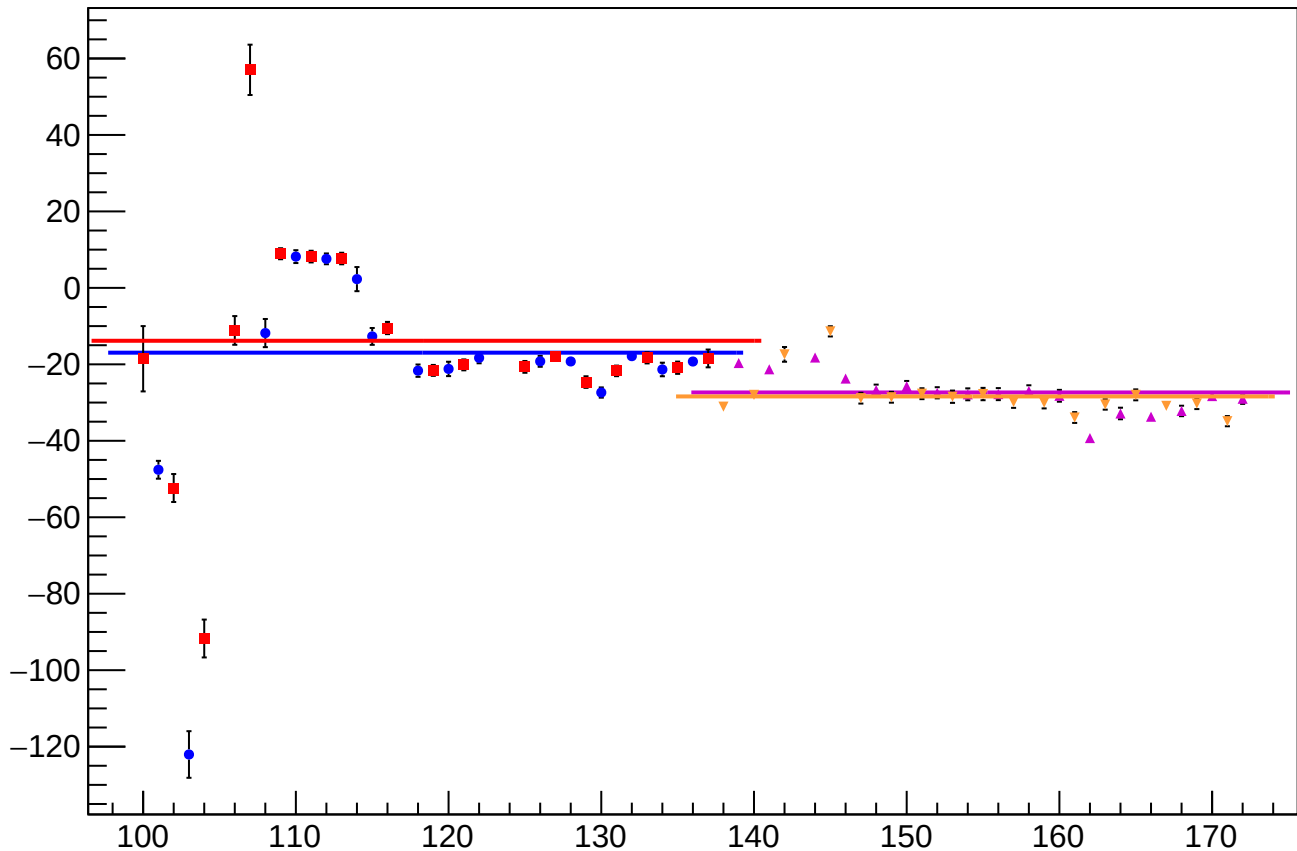
Left In: -31.475 ± 0.018 χ^2/NDF : 151935.3/16

+ sign -29.276 ± 0.016 χ^2/NDF : 920895.0/32

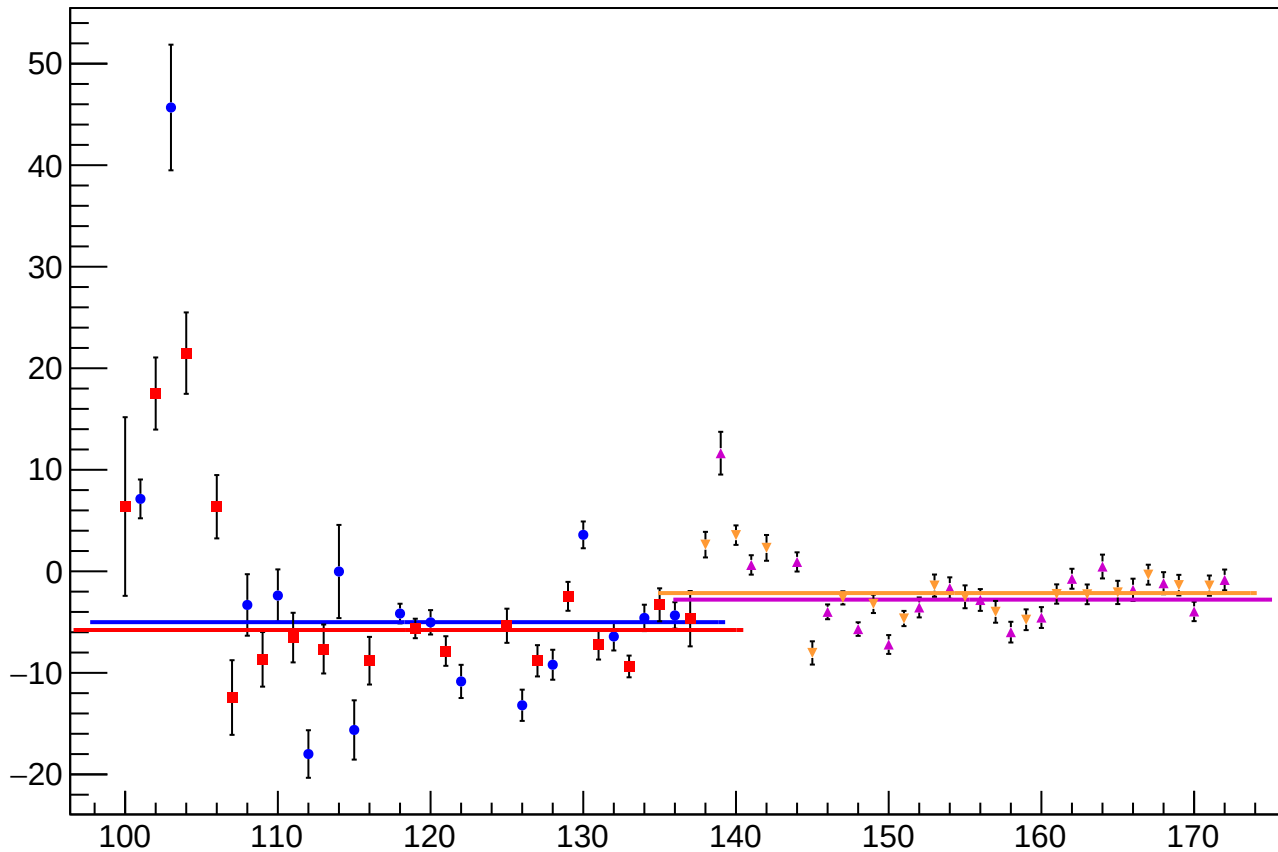
All: -29.537 ± 0.011 χ^2/NDF : 1671954.9/67

- sign -29.793 ± 0.016 χ^2/NDF : 750552.7/34

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



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

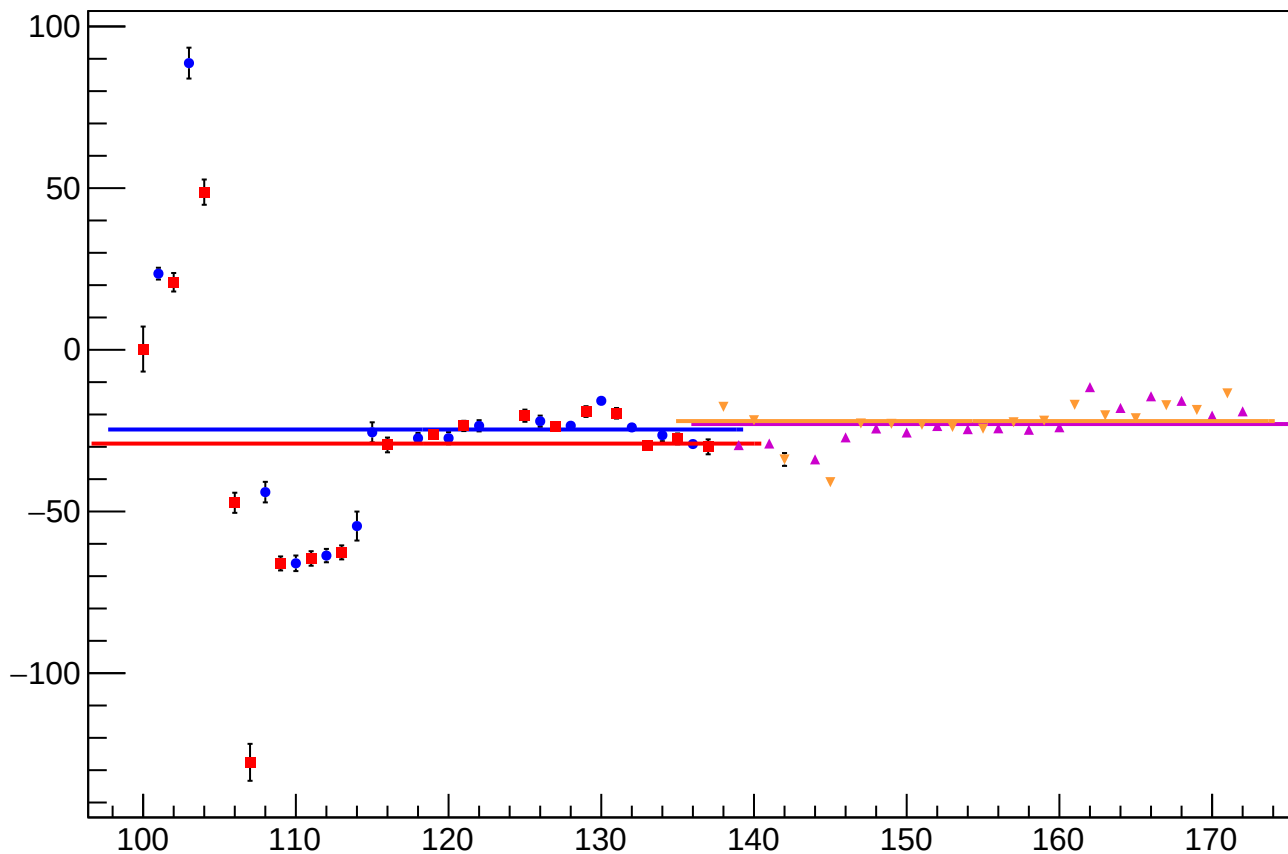
Left In: -2.789±/0.236 χ^2/NDF : 154.1/16

+ sign -2.880±/0.204 χ^2/NDF : 401.8/32

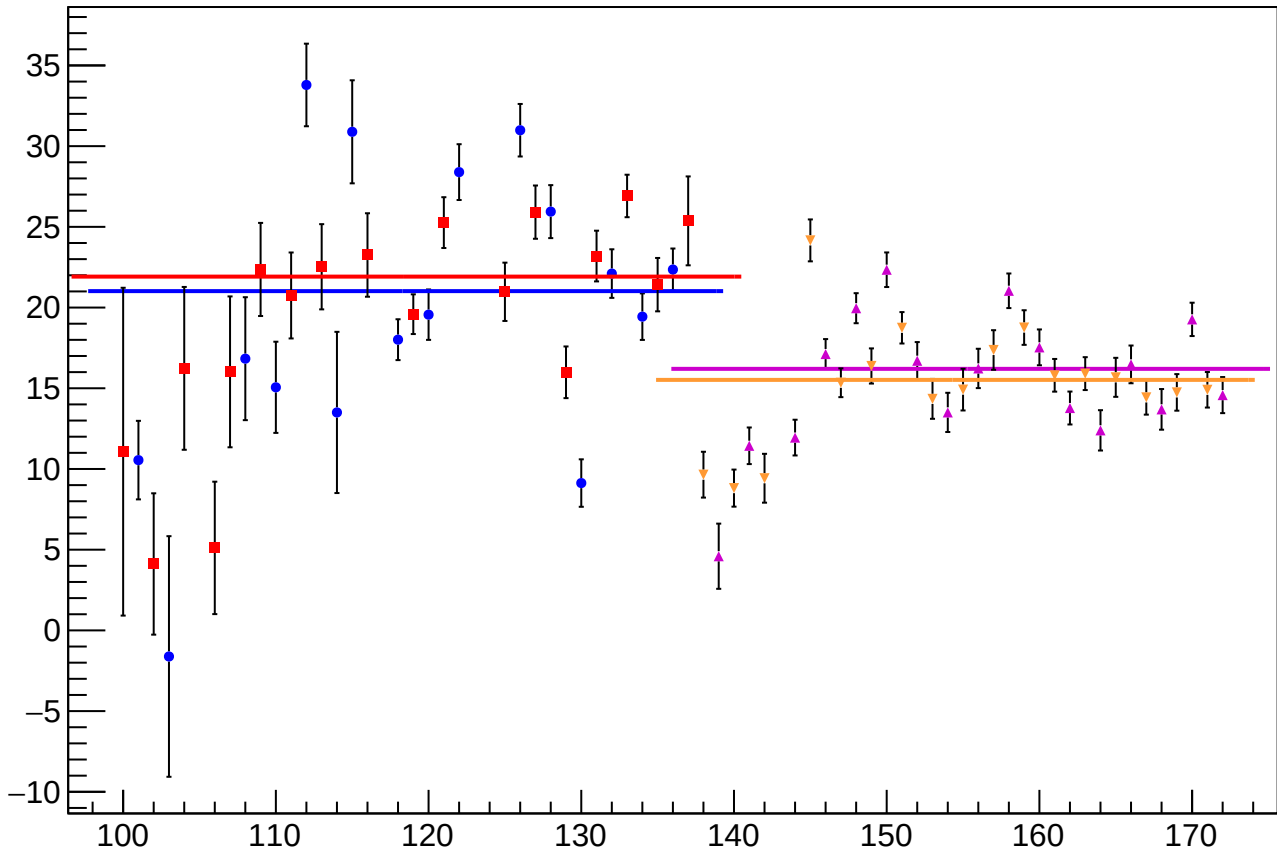
All: -3.192±/0.145 χ^2/NDF : 738.5/67

- sign -3.509±/0.206 χ^2/NDF : 332.0/34

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 21.019 $\pm$ 0.458 χ^2 /NDF: 209.6/15

Left Out: 15.519 $\pm$ 0.274 χ^2 /NDF:138.0/16

Right Out: 21.918 $\pm$ 0.478 χ^2 /NDF: 82.5/17

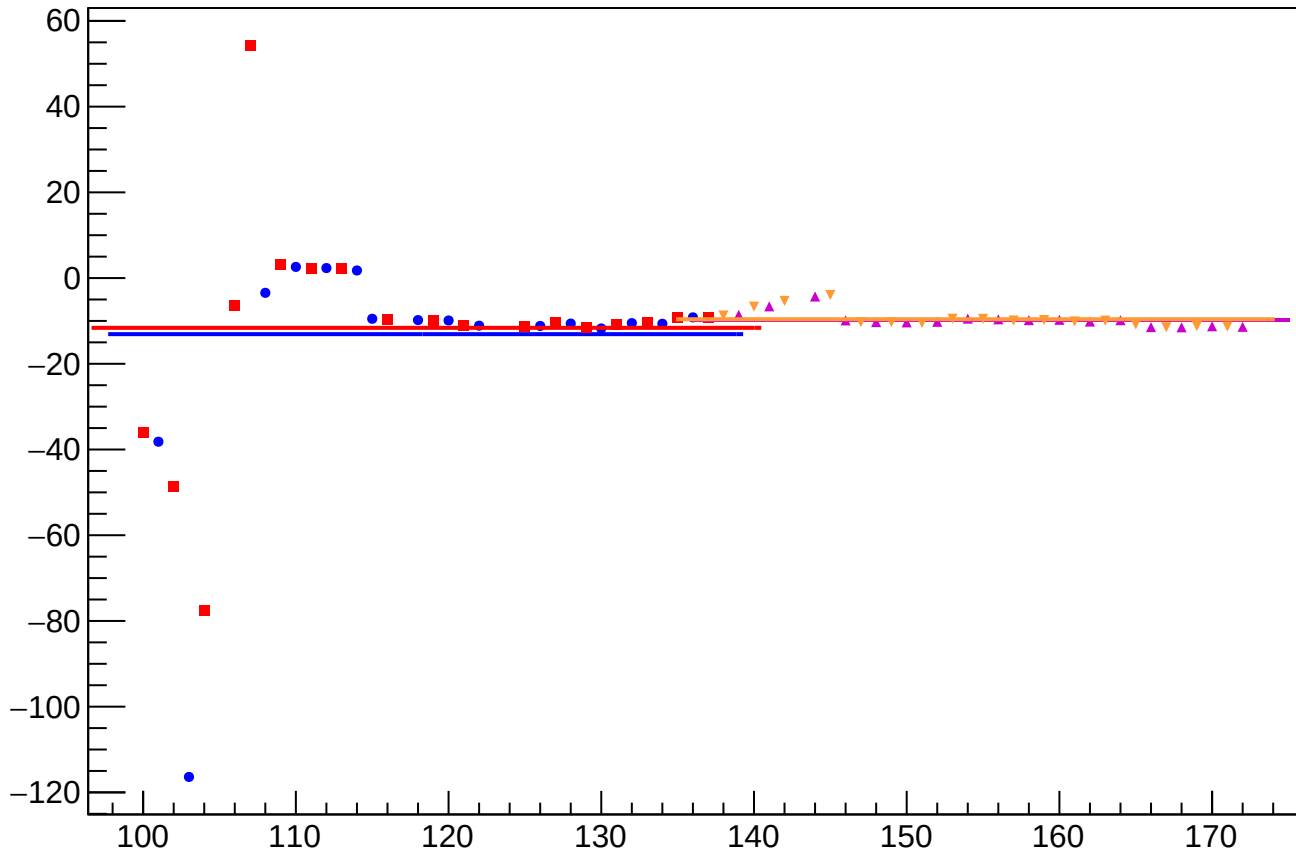
Left In: 16.203 $\pm$ 0.272 χ^2 /NDF:172.5/16

+ sign 16.967 $\pm$ 0.235 χ^2 /NDF: 453.8/32

All: 17.281 $\pm$ 0.167 χ^2 /NDF: 820.3/67

- sign 17.599 $\pm$ 0.236 χ^2 /NDF: 362.9/34

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

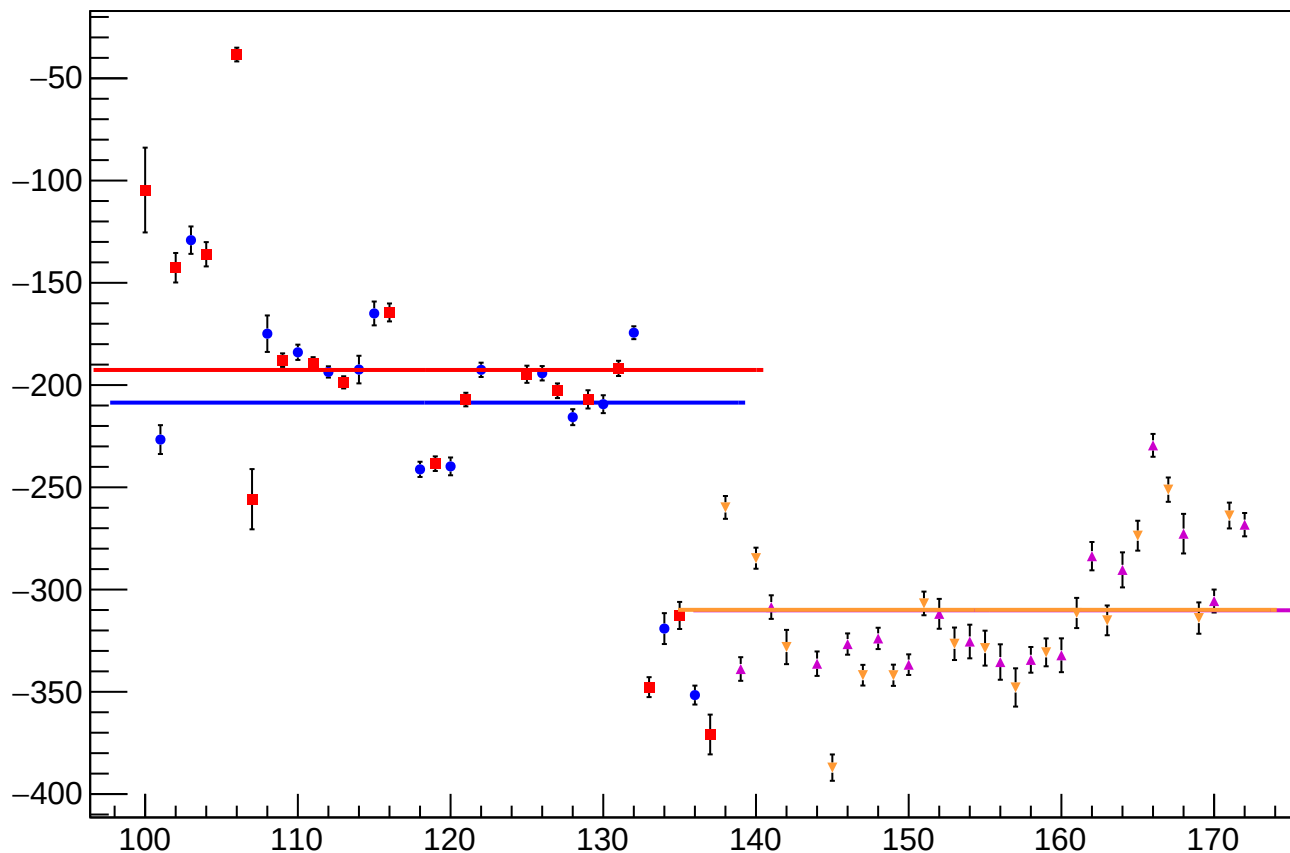
Left In: -9.783 ± 0.012 χ^2/NDF : 17772.5/16

+ sign -10.160 ± 0.011 χ^2/NDF : 380349.5/32

All: -10.092 ± 0.008 χ^2/NDF : 715412.8/67

- sign -10.025 ± 0.011 χ^2/NDF : 334991.3/34

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

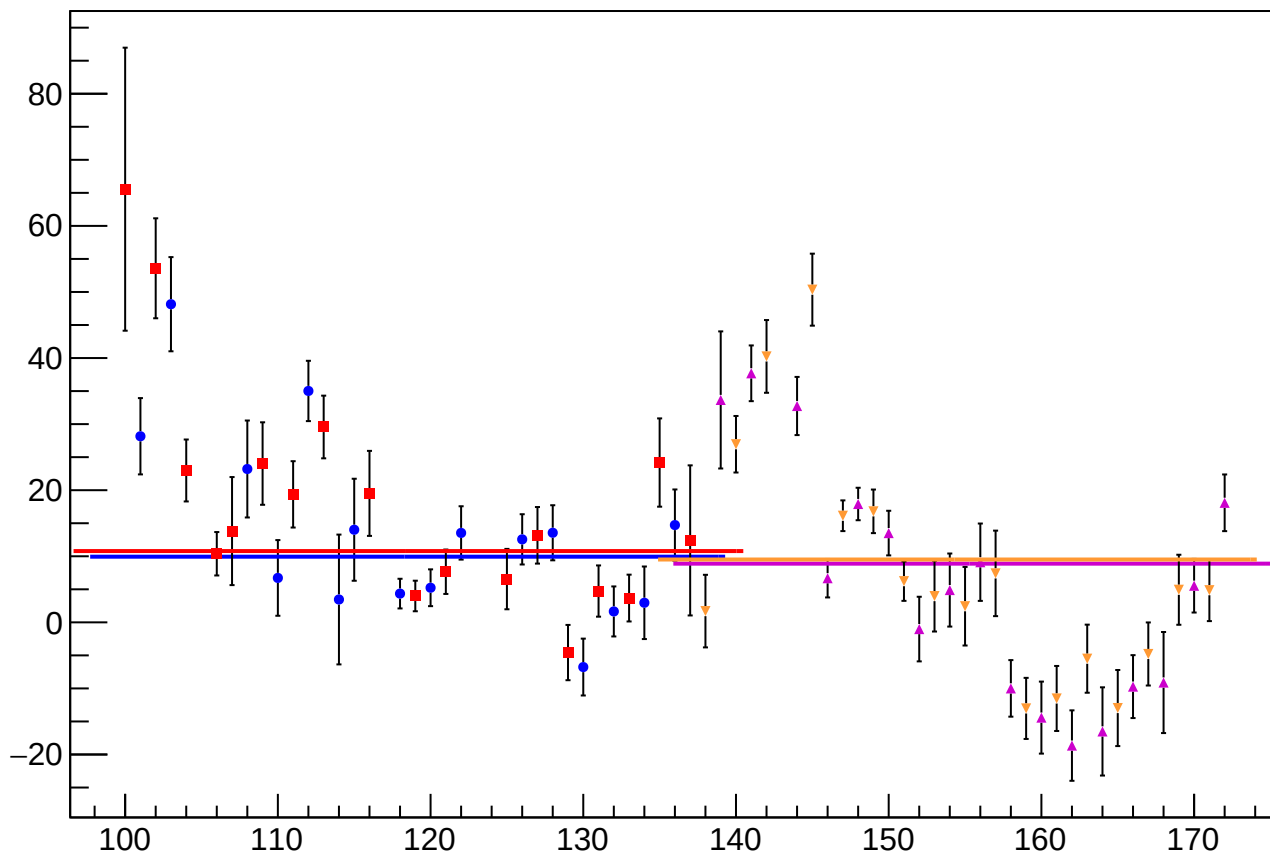
Left In: -310.135 ± 1.530 χ^2/NDF : 420.3/16

+ sign -240.437 ± 0.883 χ^2/NDF : 5130.9/32

All: -233.743 ± 0.607 χ^2/NDF : 14004.3/67

- sign -227.740 ± 0.836 χ^2/NDF : 8764.4/34

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

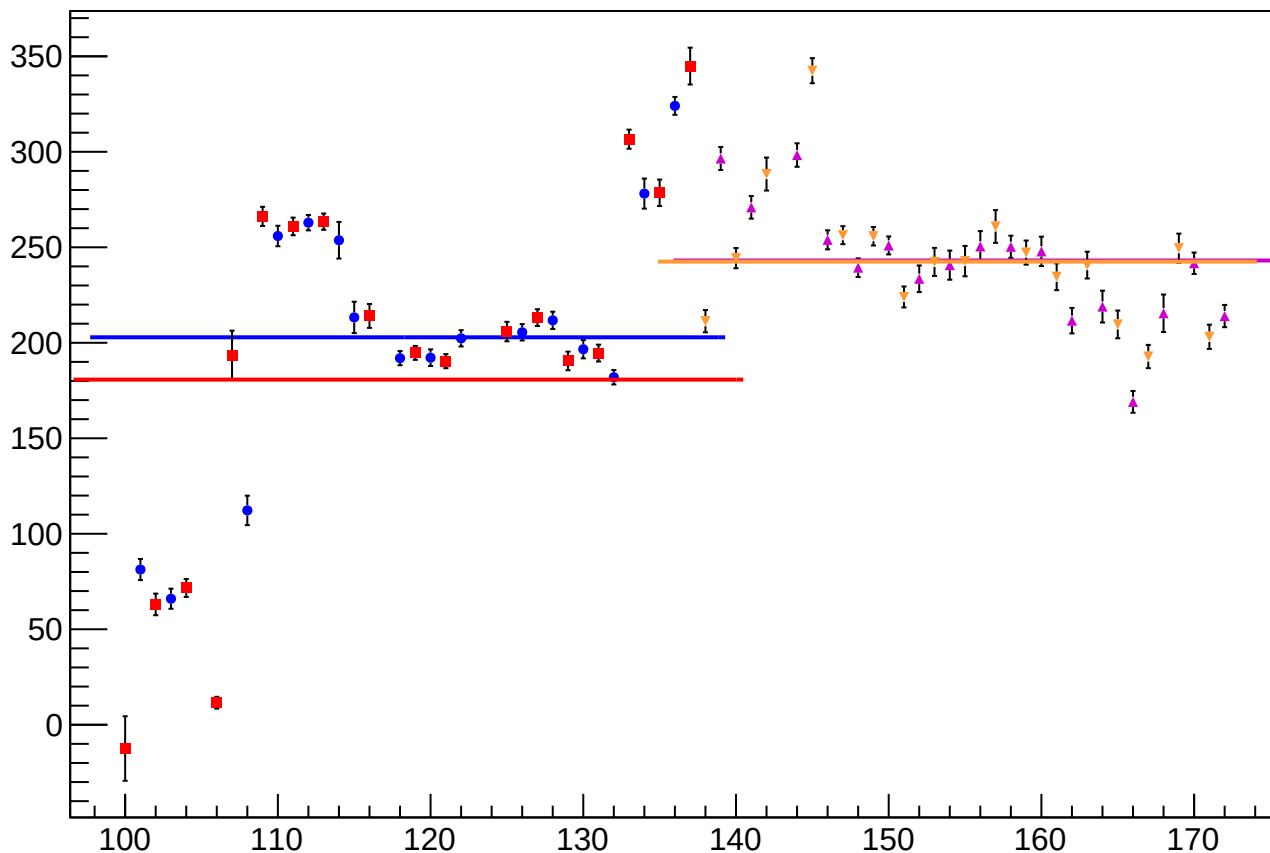
Left In: 8.883 ± 1.046 χ^2/NDF : 207.3/16

+ sign 9.720 ± 0.747 χ^2/NDF : 305.9/32

All: 9.780 ± 0.525 χ^2/NDF : 620.0/67

- sign 9.838 ± 0.739 χ^2/NDF : 314.0/34

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 202.874 $\pm$ 1.226 χ^2 /NDF: 2464.2/15

Left Out: 242.512 $\pm$ 1.536 χ^2 /NDF: 448.4/16

Right Out: 180.731 $\pm$ 1.144 χ^2 /NDF: 6347.9/17

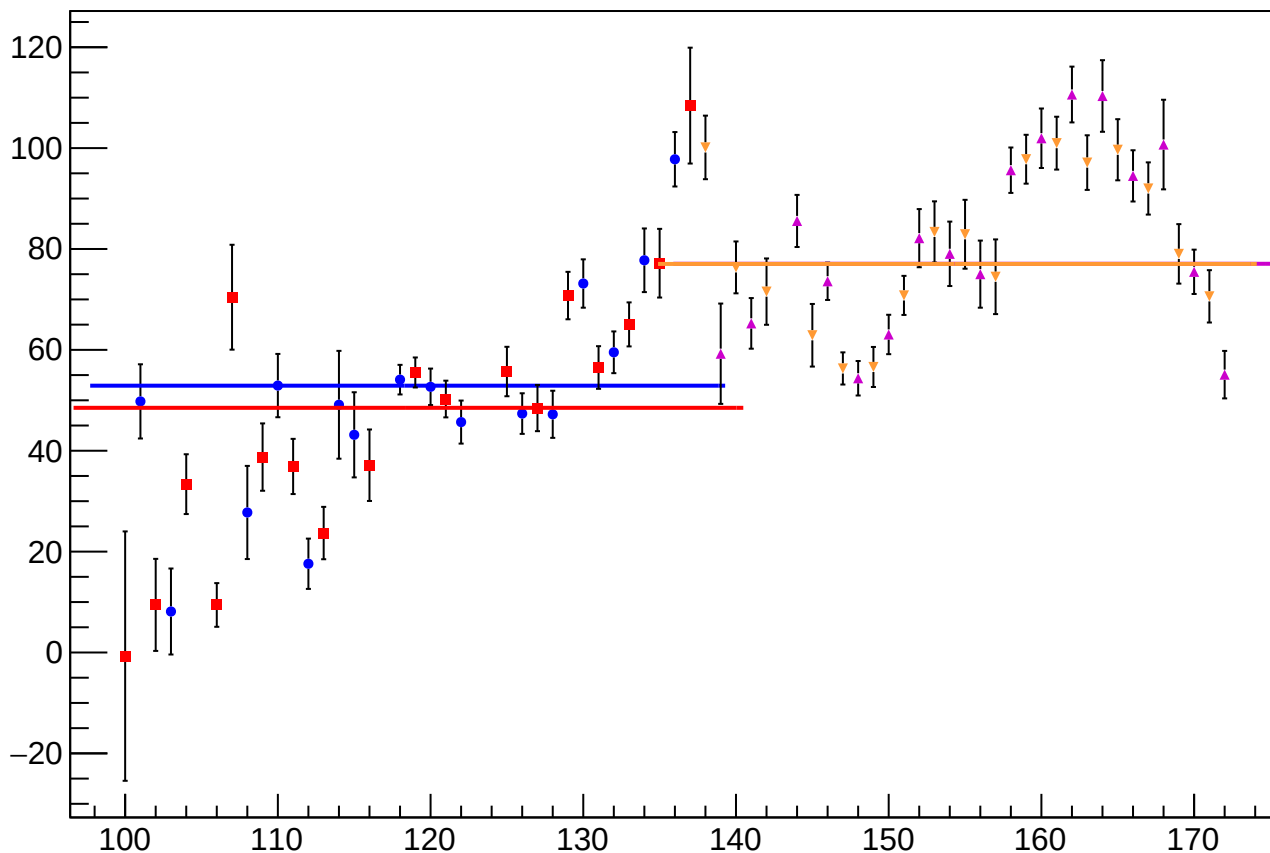
Left In: 243.087 $\pm$ 1.492 χ^2 /NDF: 426.4/16

+ sign 218.290 $\pm$ 0.958 χ^2 /NDF: 3319.4/32

All: 210.659 $\pm$ 0.659 χ^2 /NDF: 11314.5/67

- sign 203.810 $\pm$ 0.908 χ^2 /NDF: 7874.7/34

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

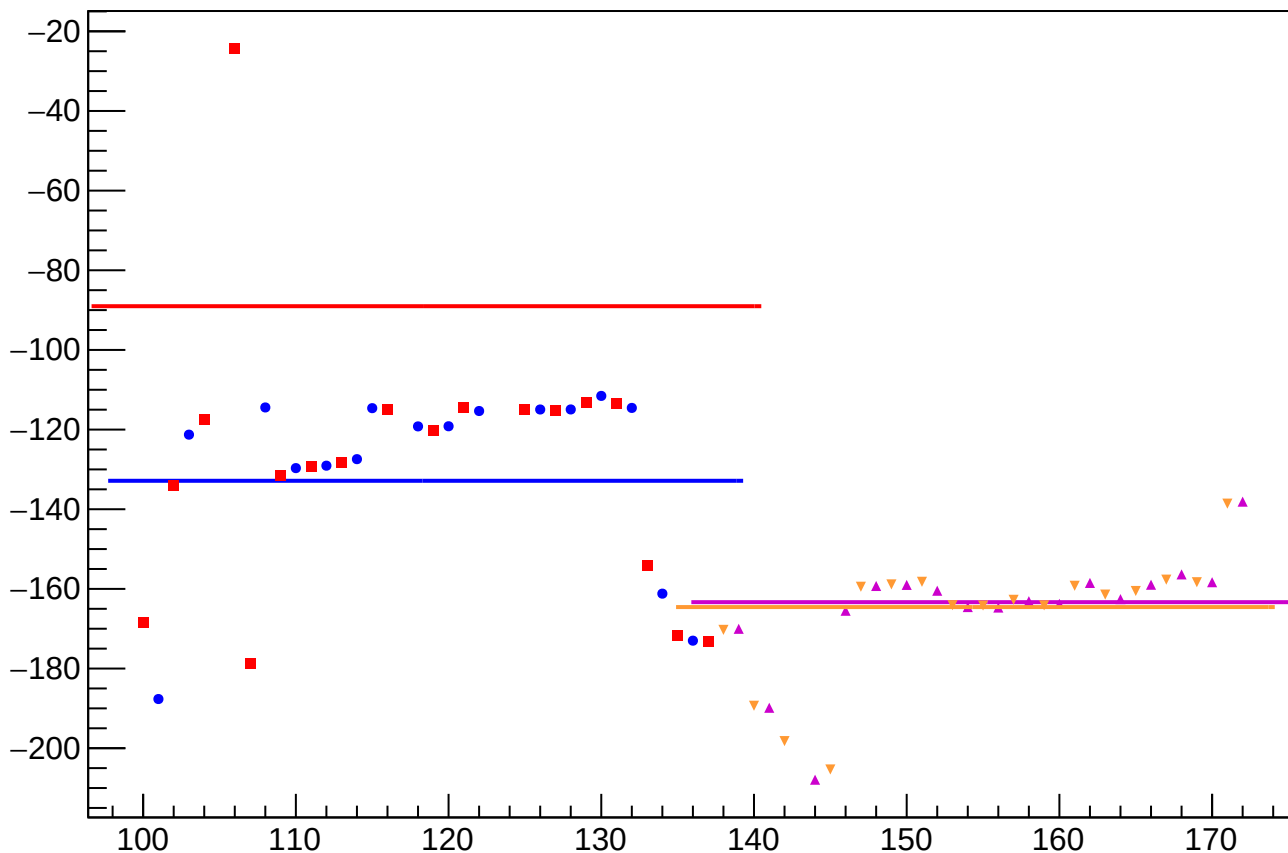
Left In: 77.067+/-1.224 χ^2 /NDF:204.6/16

+ sign 64.988+/-0.877 χ^2 /NDF: 557.2/32

All: 63.810+/-0.615 χ^2 /NDF: 1279.6/67

- sign 62.672+/-0.862 χ^2 /NDF: 718.9/34

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -132.856 $\pm$ 0.081 χ^2 /NDF: 93497.9/15

Left Out: -164.564 $\pm$ 0.059 χ^2 /NDF: 64515.1/16

Right Out: -89.020 $\pm$ 0.064 χ^2 /NDF: 728110.1/17

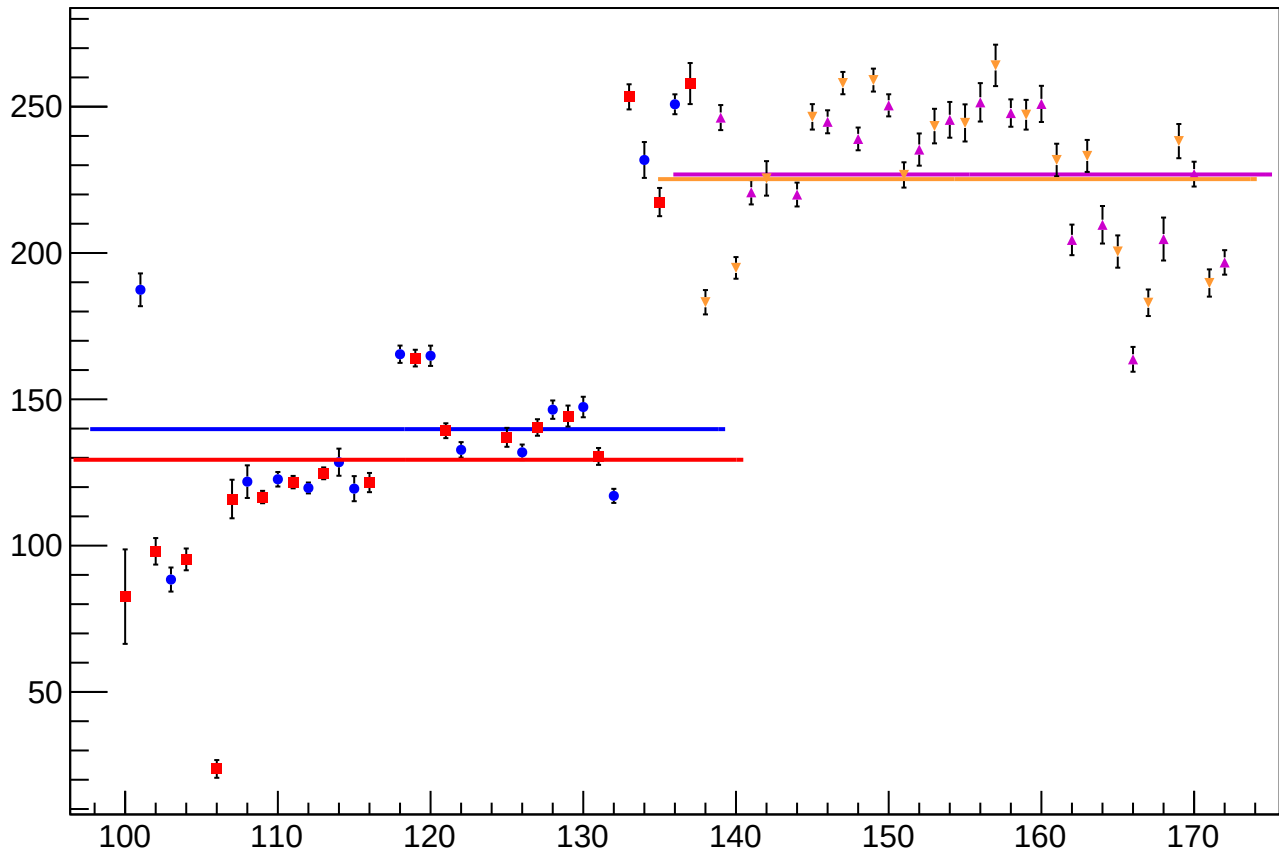
Left In: -163.333 $\pm$ 0.056 χ^2 /NDF: 58049.0/16

+ sign -153.735 $\pm$ 0.048 χ^2 /NDF: 258042.5/32

All: -141.065 $\pm$ 0.032 χ^2 /NDF: 1929714.5/67

- sign -131.035 $\pm$ 0.042 χ^2 /NDF: 1544443.5/34

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 139.810 ± 0.785 $\chi^2/\text{NDF}: 1964.9/15$

Left Out: 225.242 ± 1.167 $\chi^2/\text{NDF}: 582.7/16$

Right Out: 129.344 ± 0.734 $\chi^2/\text{NDF}: 3123.5/17$

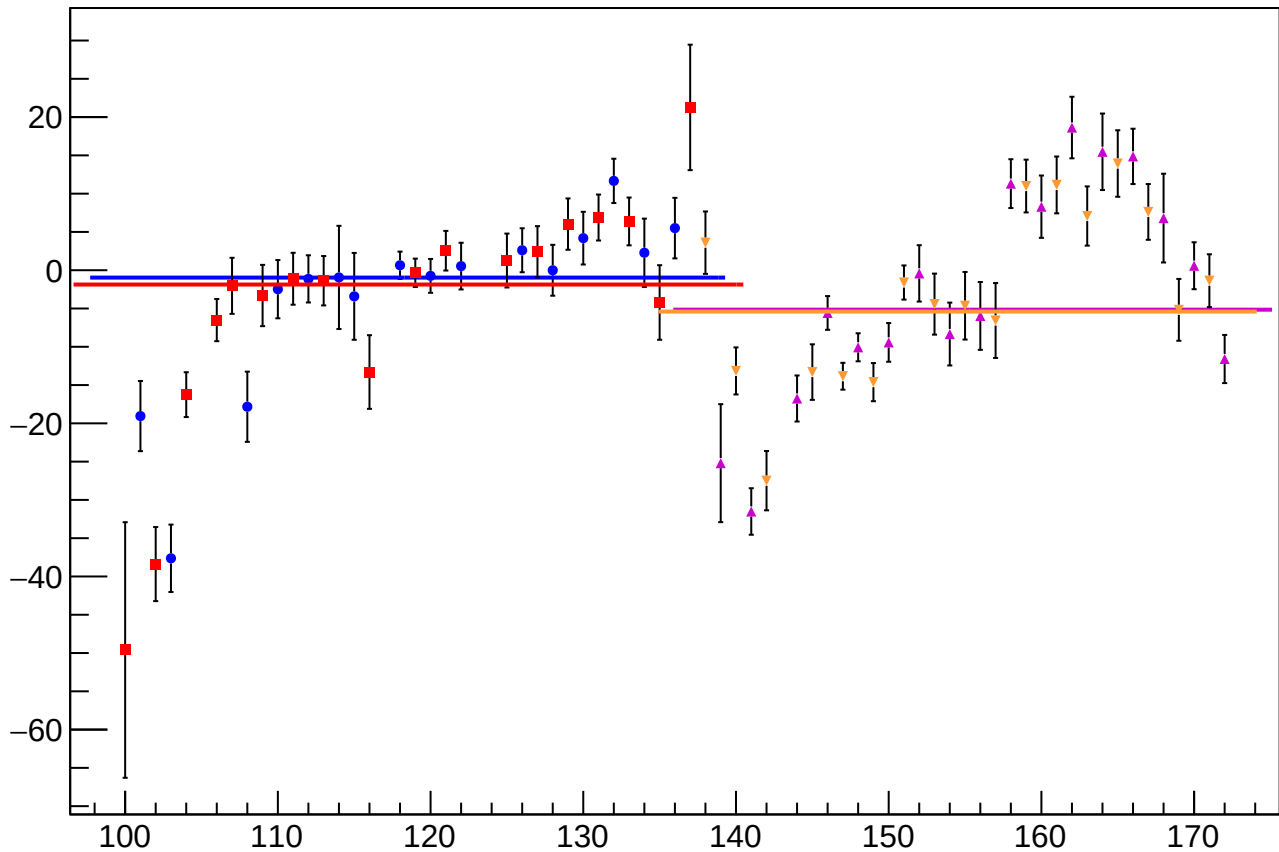
Left In: 226.833 ± 1.135 $\chi^2/\text{NDF}: 464.6/16$

+ sign 166.407 ± 0.651 $\chi^2/\text{NDF}: 6239.0/32$

All: 162.030 ± 0.448 $\chi^2/\text{NDF}: 15113.7/67$

- sign 158.105 ± 0.617 $\chi^2/\text{NDF}: 8788.9/34$

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

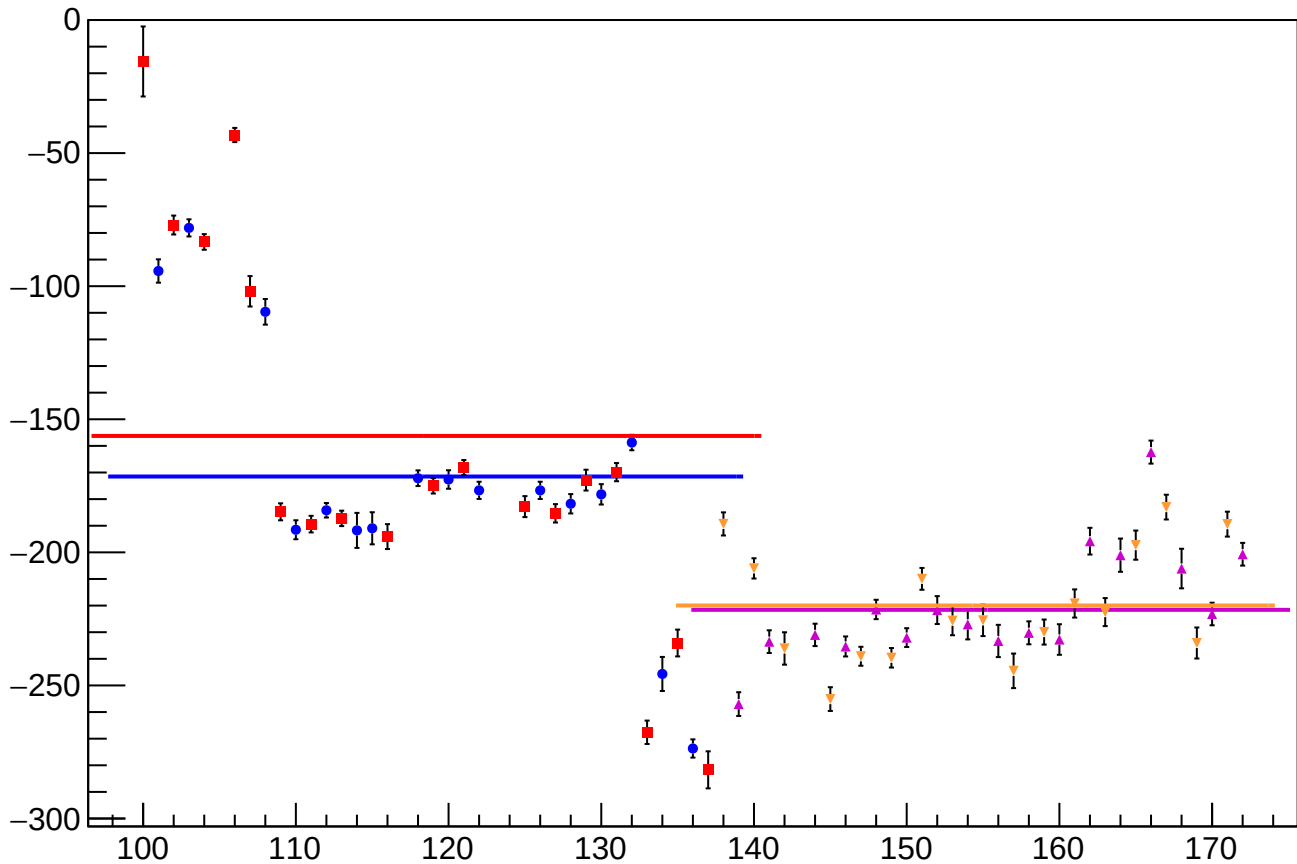
Left In: -5.154 ± 0.777 χ^2/NDF : 241.6/16

+ sign -3.265 ± 0.561 χ^2/NDF : 317.0/32

All: -3.397 ± 0.393 χ^2/NDF : 700.8/67

- sign -3.525 ± 0.552 χ^2/NDF : 383.7/34

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

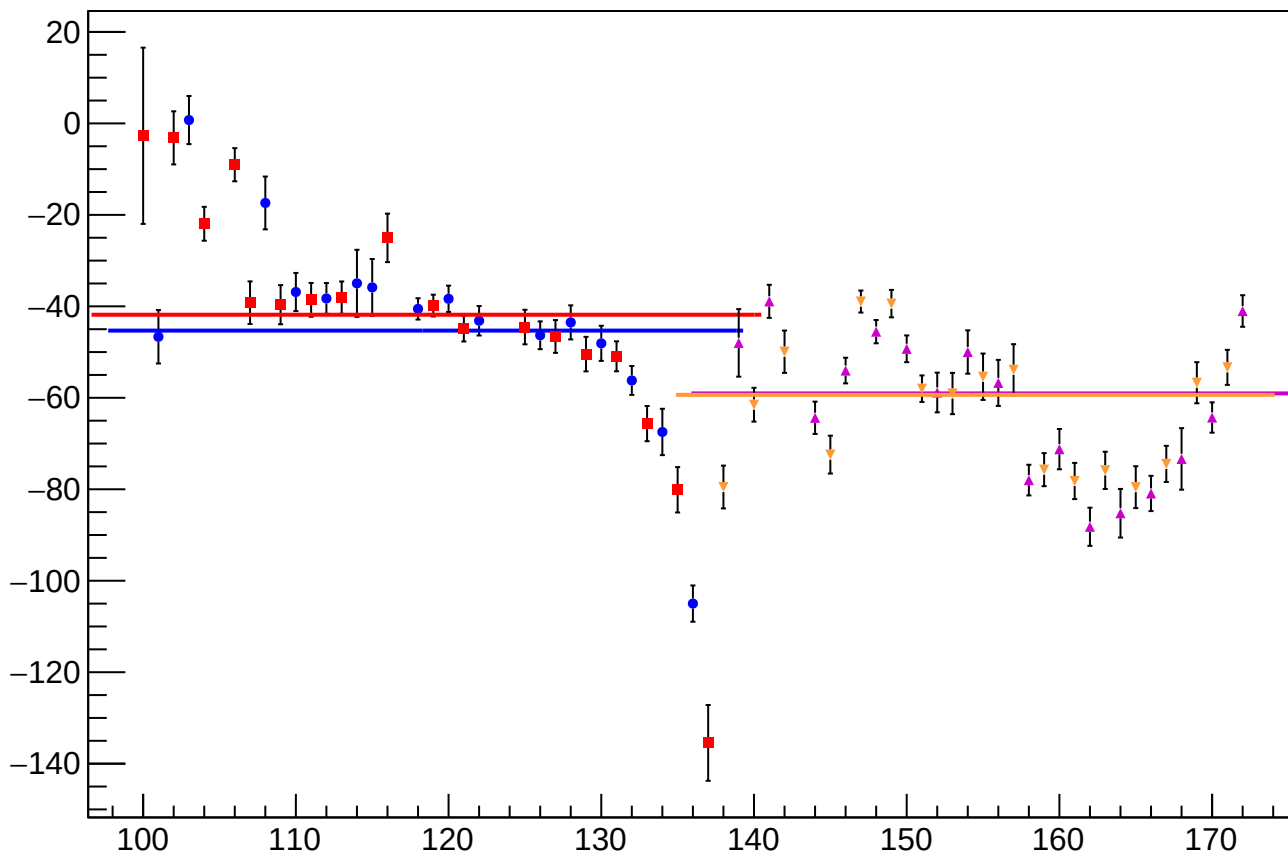
Left In: -221.599 ± 1.108 χ^2/NDF : 363.9/16

+ sign -190.290 ± 0.710 χ^2/NDF : 3895.6/32

All: -185.070 ± 0.488 χ^2/NDF : 11461.1/67

- sign -180.373 ± 0.673 χ^2/NDF : 7462.6/34

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

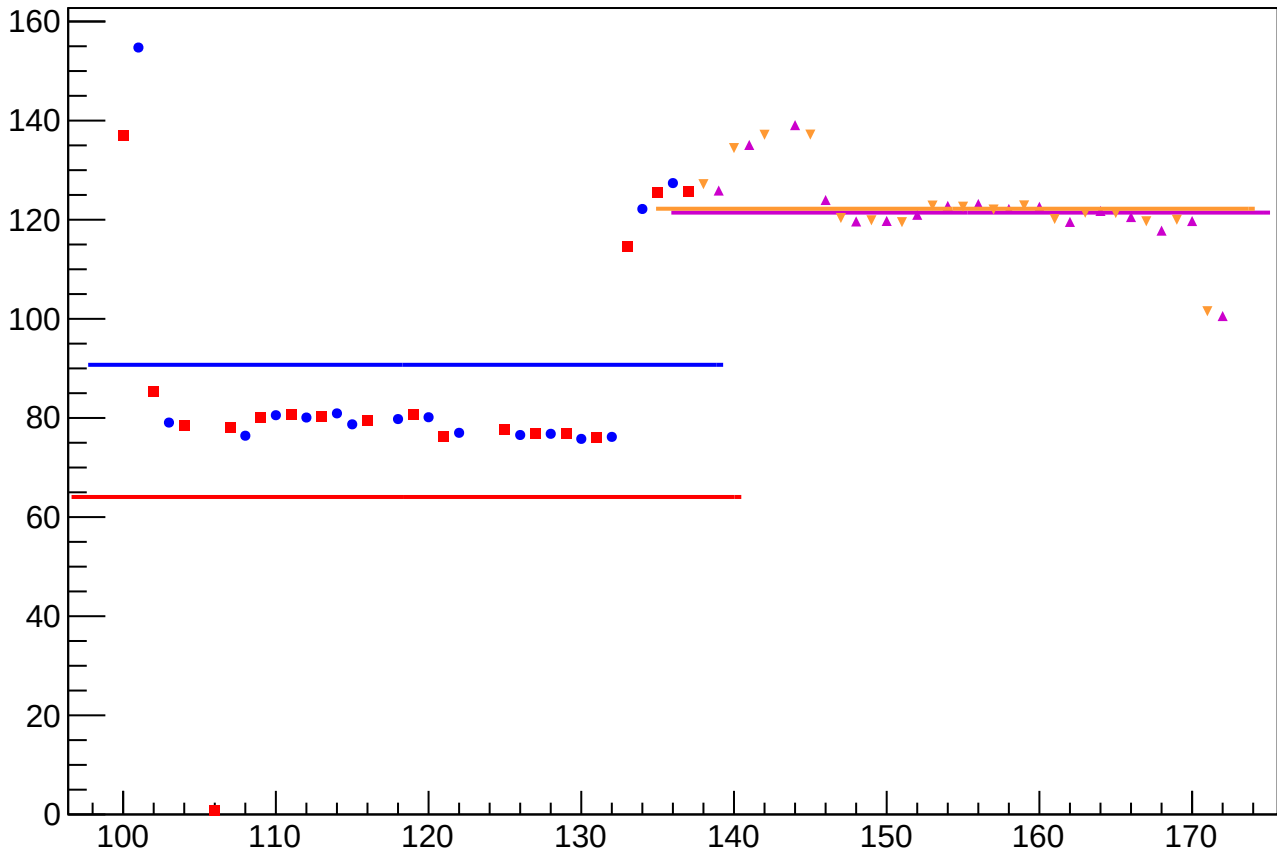
Left In: -59.034 ± 0.910 χ^2/NDF : 261.1/16

+ sign -52.451 ± 0.657 χ^2/NDF : 743.8/32

All: -51.417 ± 0.460 χ^2/NDF : 1602.8/67

- sign -50.427 ± 0.643 χ^2/NDF : 854.1/34

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 90.726 $\pm$ 0.058 χ^2 /NDF: 161153.0/15

Left Out: 122.220 $\pm$ 0.044 χ^2 /NDF: 35189.8/16

Right Out: 64.059 $\pm$ 0.049 χ^2 /NDF: 660935.1/17

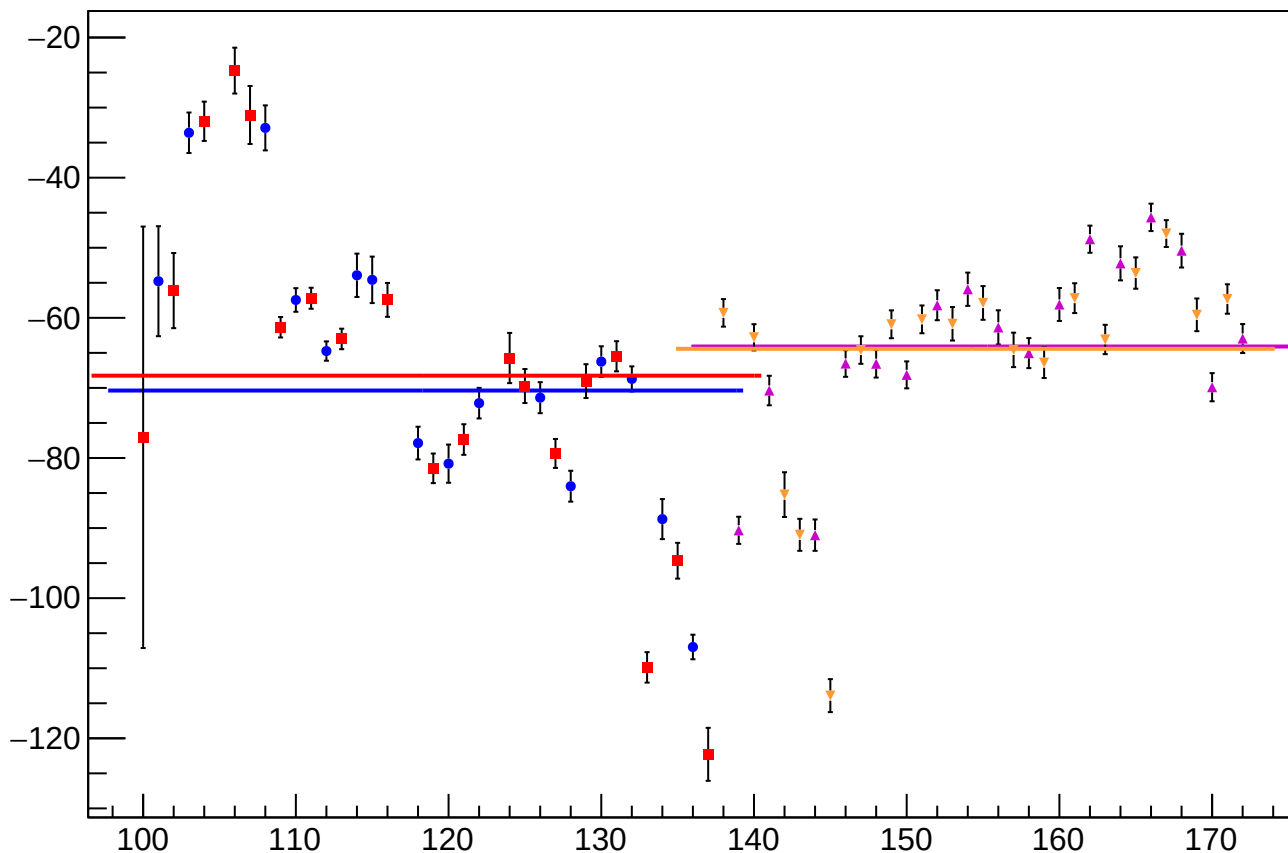
Left In: 121.435 $\pm$ 0.042 χ^2 /NDF: 37233.8/16

+ sign 110.990 $\pm$ 0.035 χ^2 /NDF: 382931.2/32

All: 103.583 $\pm$ 0.024 χ^2 /NDF: 1950867.1/67

- sign 97.402 $\pm$ 0.032 χ^2 /NDF: 1485419.1/34

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -70.374 ± 0.558 $\chi^2/\text{NDF}: 974.9/15$

Left Out: -64.416 ± 0.511 $\chi^2/\text{NDF}: 769.2/17$

Right Out: -68.252 ± 0.527 $\chi^2/\text{NDF}: 1306.0/18$

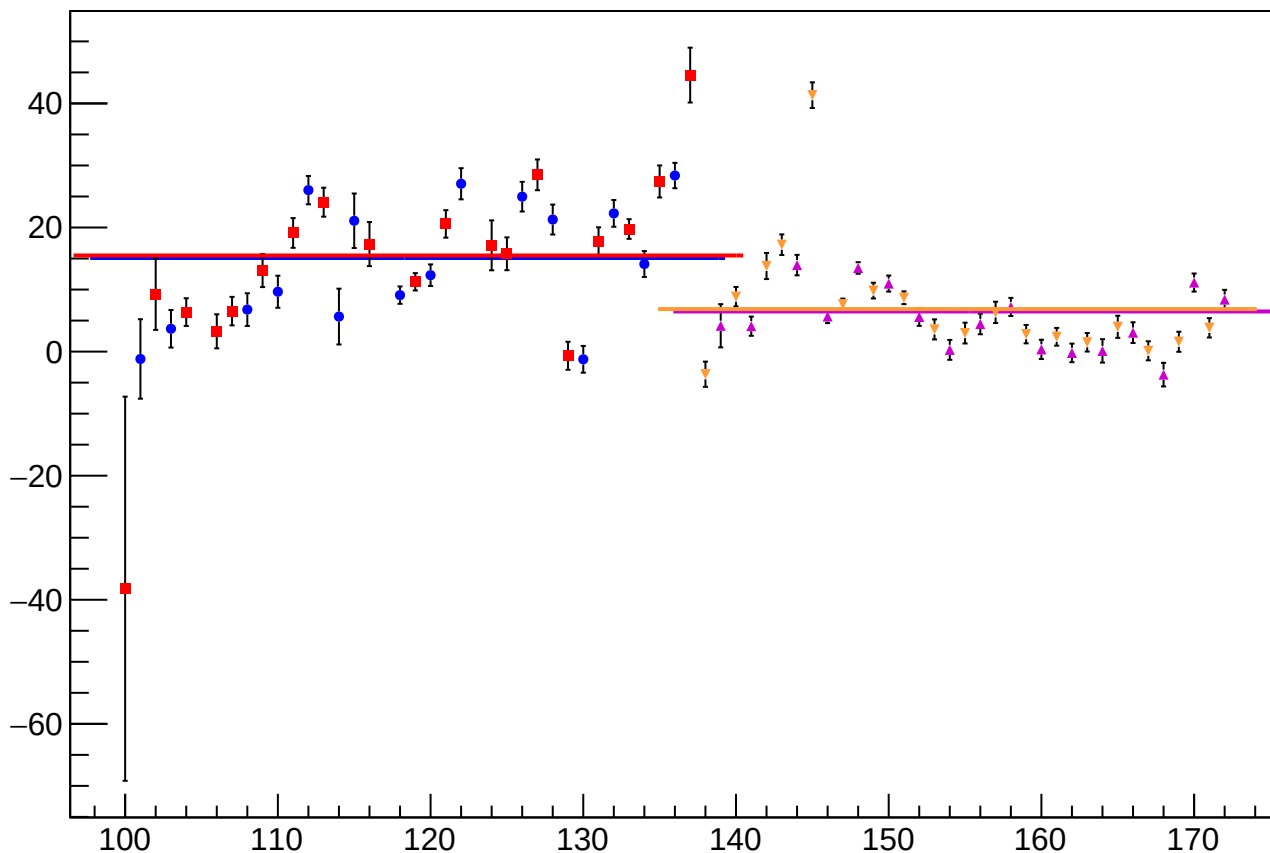
Left In: -64.093 ± 0.512 $\chi^2/\text{NDF}: 588.4/16$

+ sign -67.133 ± 0.377 $\chi^2/\text{NDF}: 1806.2/33$

All: -66.611 ± 0.263 $\chi^2/\text{NDF}: 3736.3/69$

- sign -66.115 ± 0.367 $\chi^2/\text{NDF}: 1926.4/35$

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092 $\pm$ 0.581 χ^2 /NDF: 242.4/15

Left Out: 6.853 $\pm$ 0.348 χ^2 /NDF: 441.0/17

Right Out: 15.491 $\pm$ 0.558 χ^2 /NDF: 239.3/18

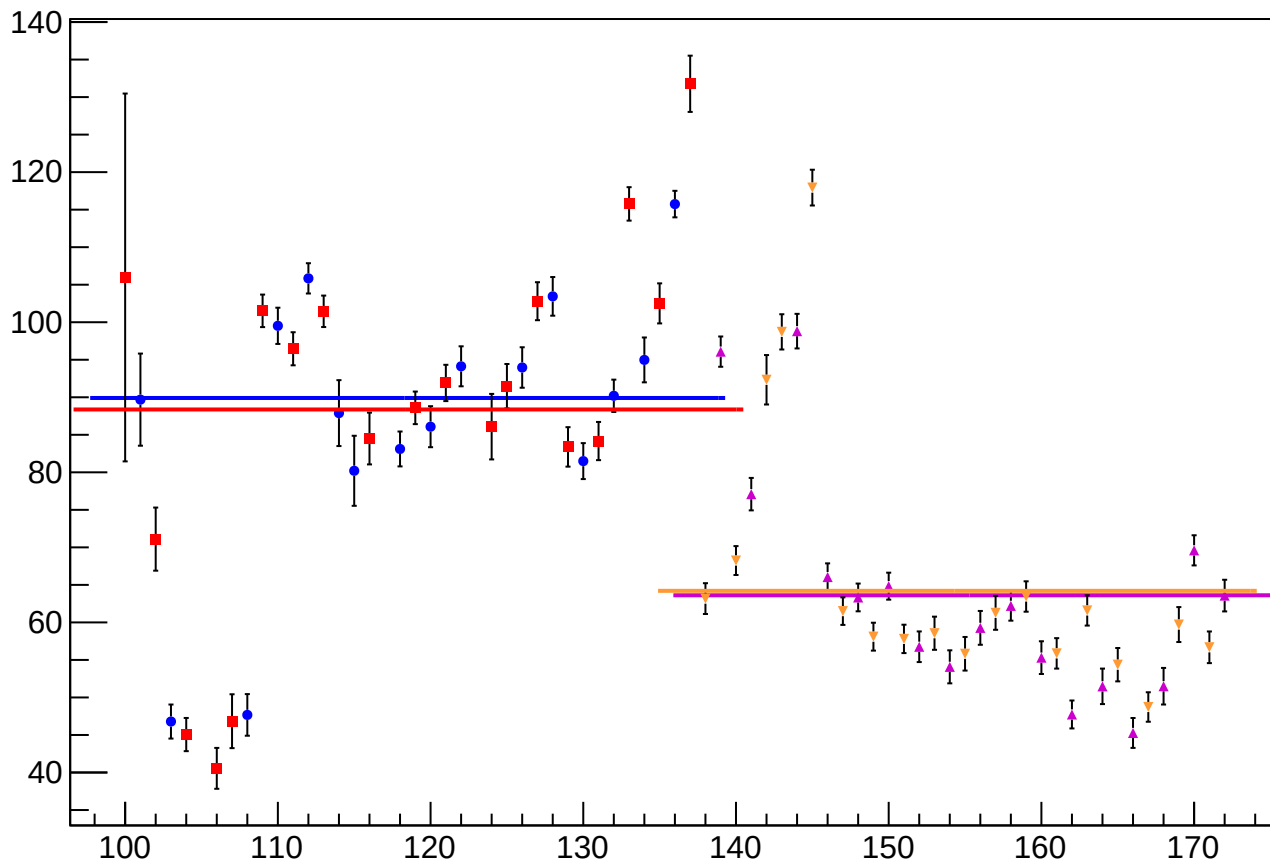
Left In: 6.468 $\pm$ 0.357 χ^2 /NDF: 200.7/16

+ sign 9.030 $\pm$ 0.299 χ^2 /NDF: 831.5/33

All: 9.058 $\pm$ 0.212 χ^2 /NDF: 1457.0/69

- sign 9.087 $\pm$ 0.301 χ^2 /NDF: 625.5/35

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.907 ± 0.641 $\chi^2/\text{NDF}: 947.7/15$

Left Out: 64.209 ± 0.498 $\chi^2/\text{NDF}: 965.2/17$

Right Out: 88.375 ± 0.617 $\chi^2/\text{NDF}: 1288.9/18$

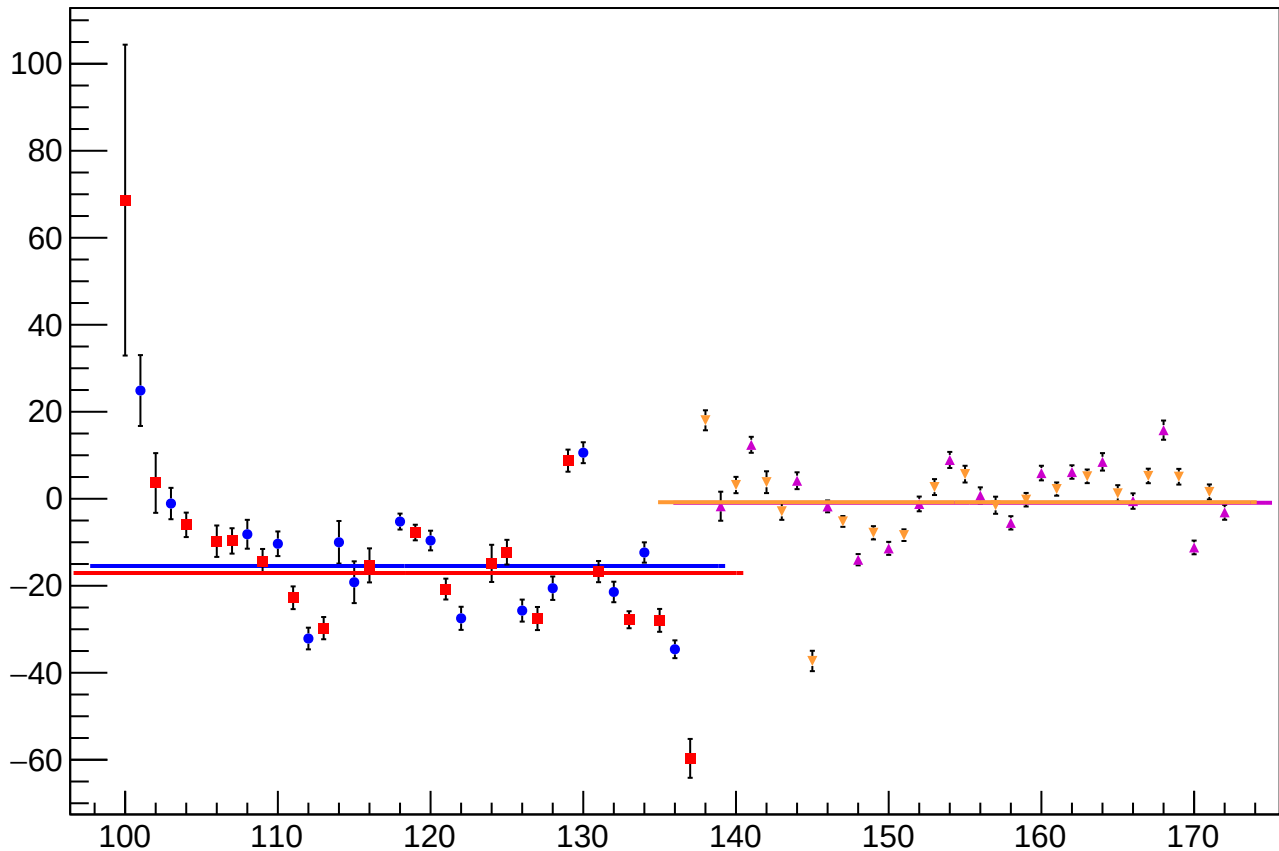
Left In: 63.616 ± 0.499 $\chi^2/\text{NDF}: 799.7/16$

+ sign 73.894 ± 0.393 $\chi^2/\text{NDF}: 2915.4/33$

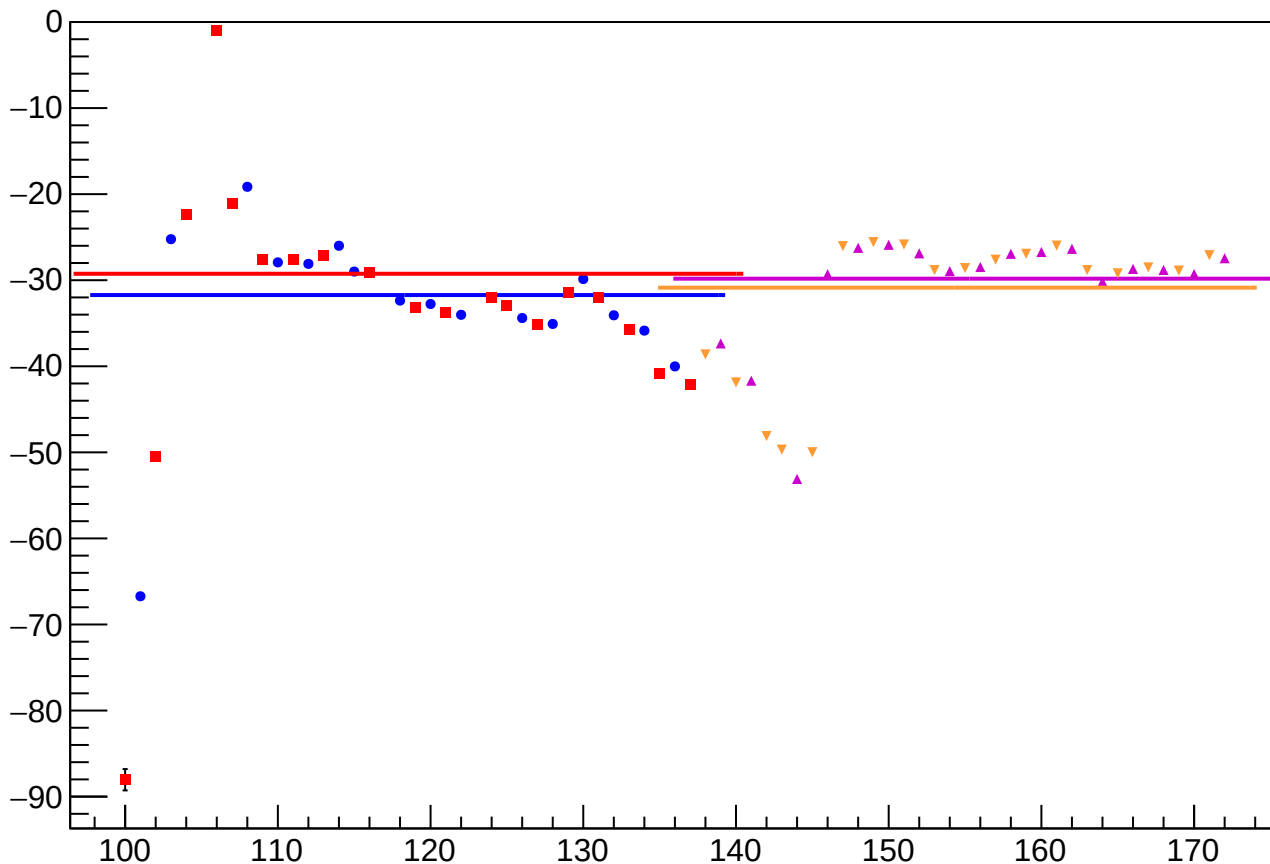
All: 73.639 ± 0.276 $\chi^2/\text{NDF}: 5978.0/69$

- sign 73.390 ± 0.388 $\chi^2/\text{NDF}: 3061.8/35$

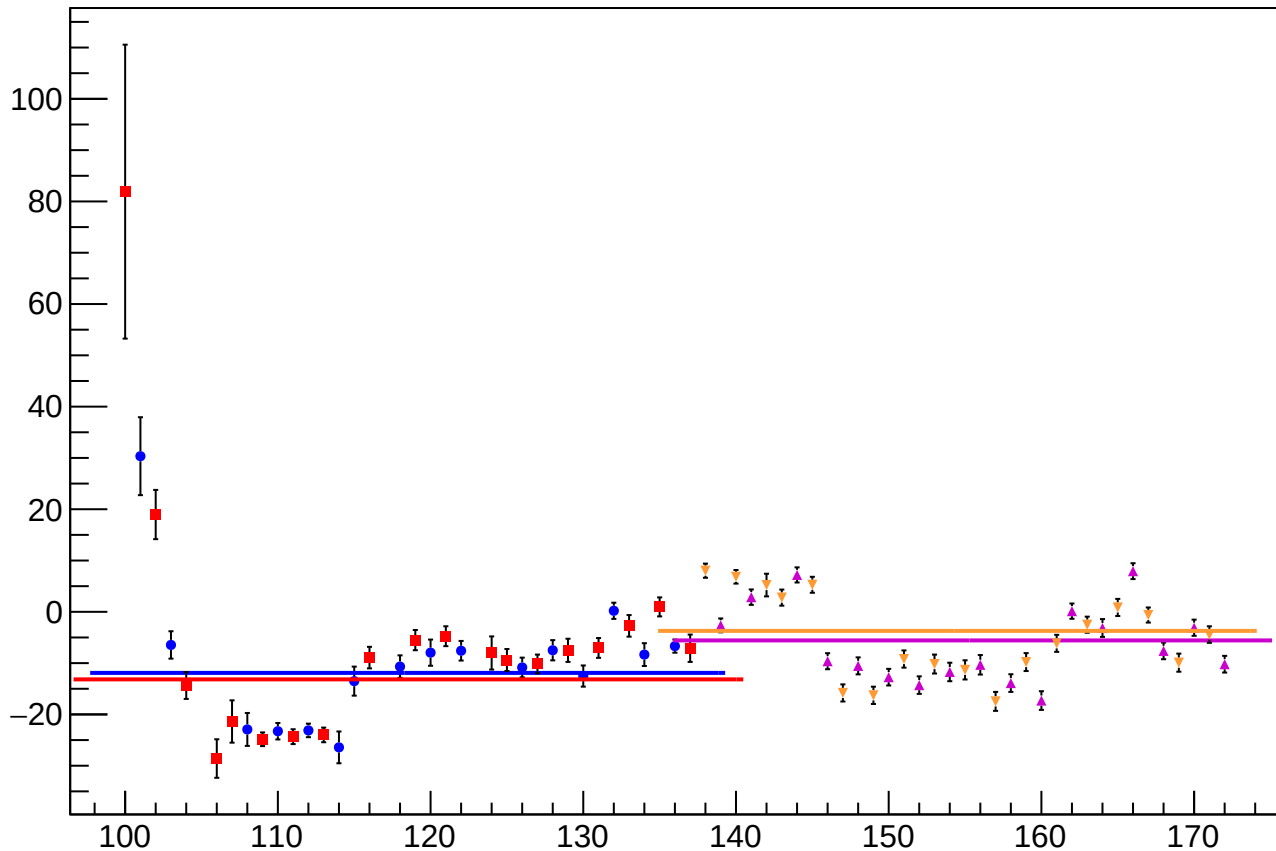
reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



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

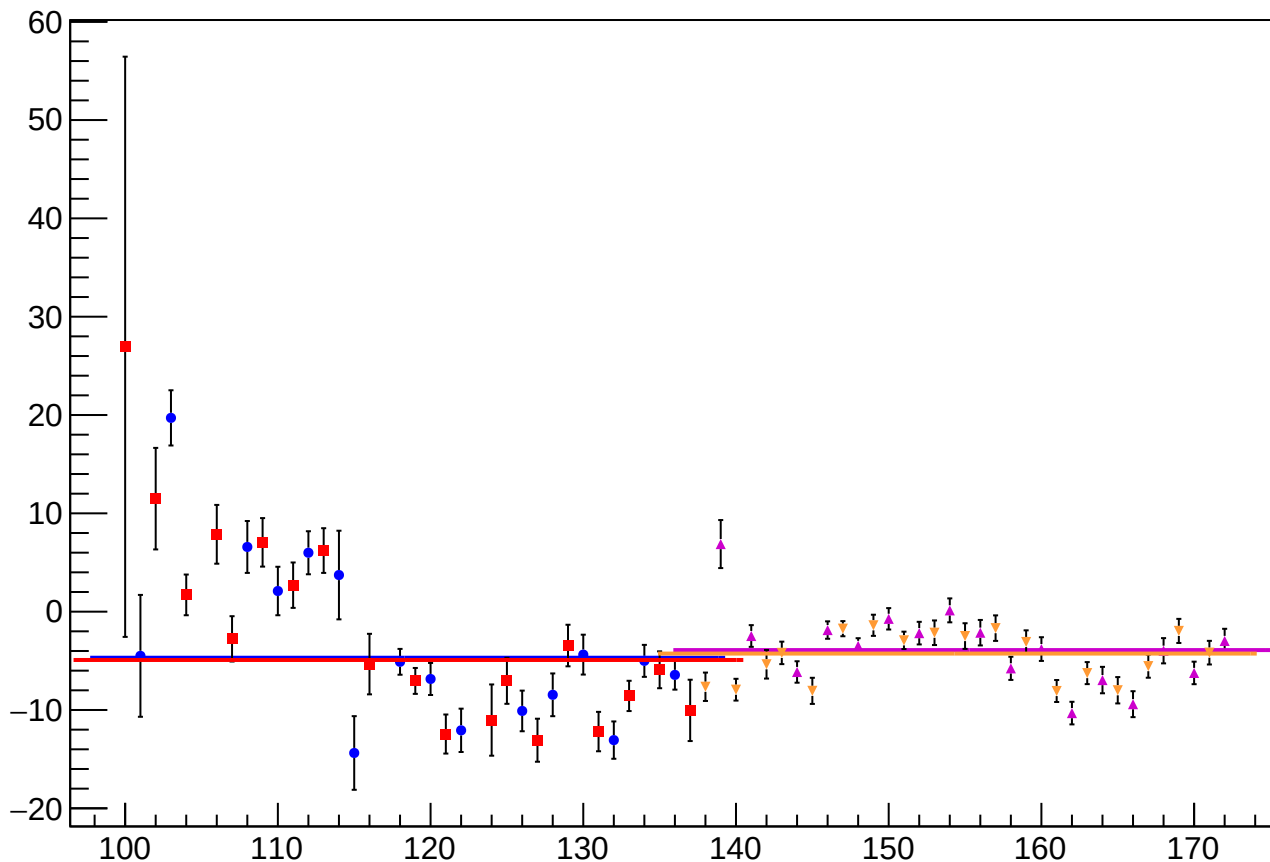
Left In: -5.575 ± 0.391 χ^2/NDF : 360.3/16

+ sign -6.809 ± 0.305 χ^2/NDF : 895.5/33

All: -7.713 ± 0.215 χ^2/NDF : 1845.0/69

- sign -8.605 ± 0.303 χ^2/NDF : 932.1/35

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

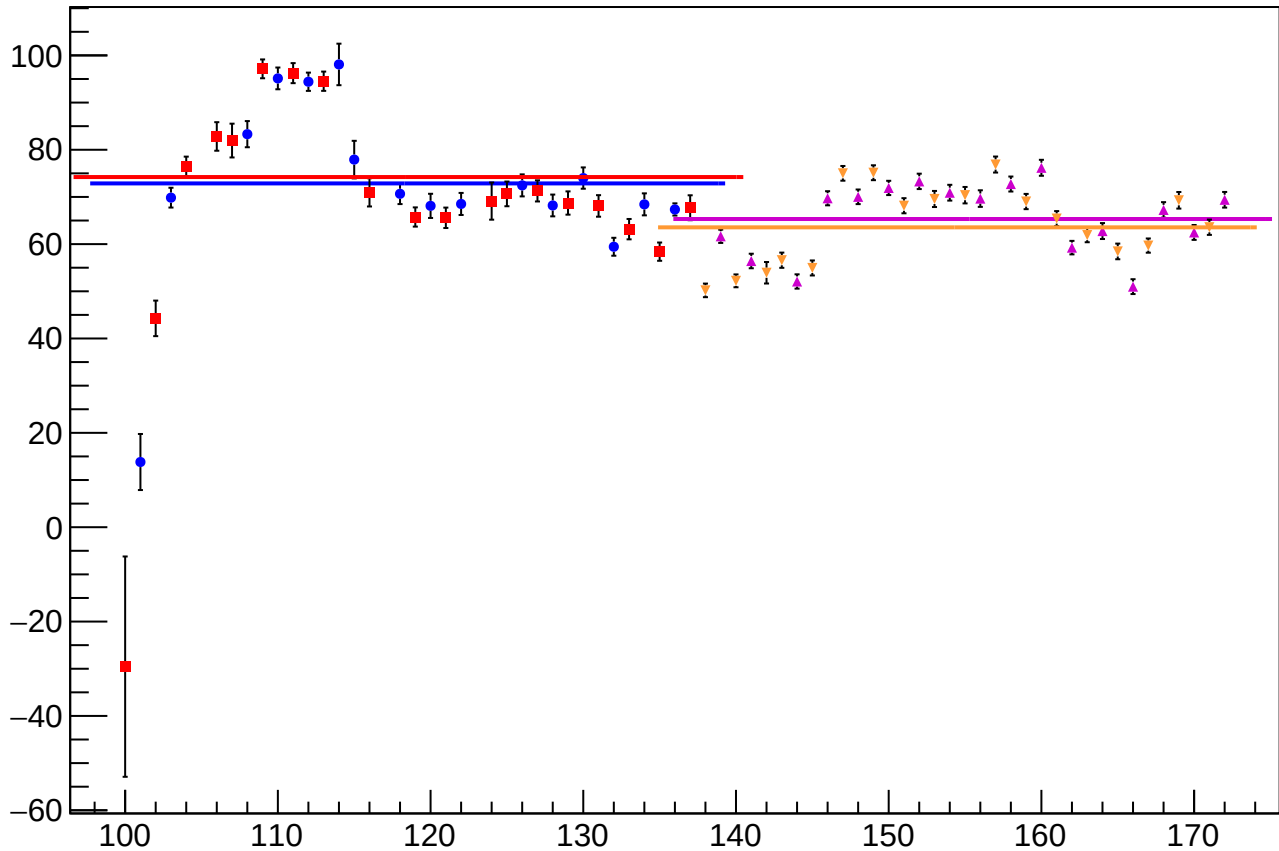
Left In: -3.908 ± 0.278 χ^2/NDF : 115.4/16

+ sign -4.354 ± 0.239 χ^2/NDF : 261.9/33

All: -4.247 ± 0.171 χ^2/NDF : 536.6/69

- sign -4.136 ± 0.244 χ^2/NDF : 274.2/35

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 72.866 $\pm$ 0.565 χ^2 /NDF: 450.7/15

Left Out: 63.555 $\pm$ 0.380 χ^2 /NDF:467.0/17

Right Out: 74.217 $\pm$ 0.562 χ^2 /NDF: 586.2/18

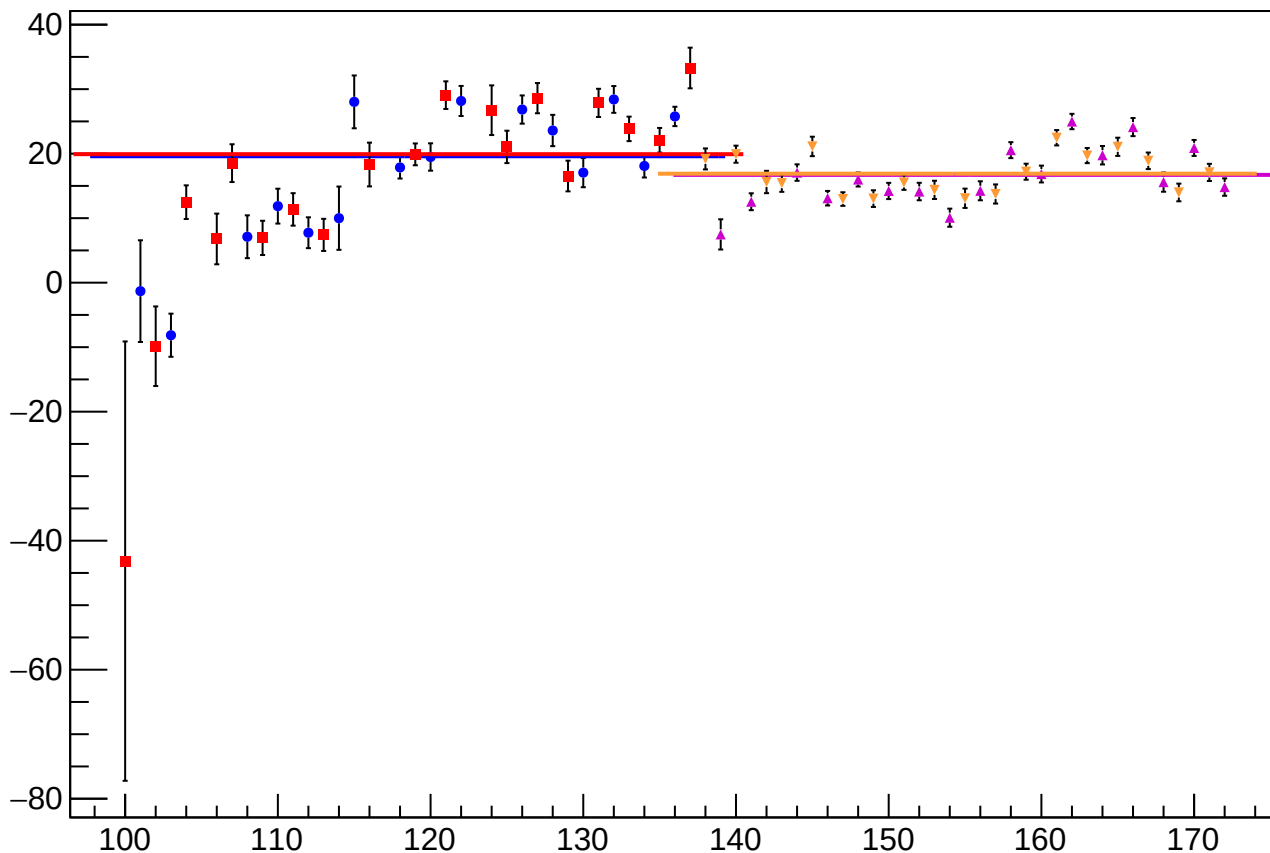
Left In: 65.323 $\pm$ 0.382 χ^2 /NDF:370.9/16

+ sign 66.448 $\pm$ 0.315 χ^2 /NDF: 1104.6/33

All: 67.289 $\pm$ 0.223 χ^2 /NDF: 2247.1/69

- sign 68.136 $\pm$ 0.316 χ^2 /NDF: 1128.2/35

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.598 $\pm$ 0.585 χ^2 /NDF: 196.0/15

Left Out: 16.893 $\pm$ 0.313 χ^2 /NDF: 98.5/17

Right Out: 19.919 $\pm$ 0.585 χ^2 /NDF: 181.3/18

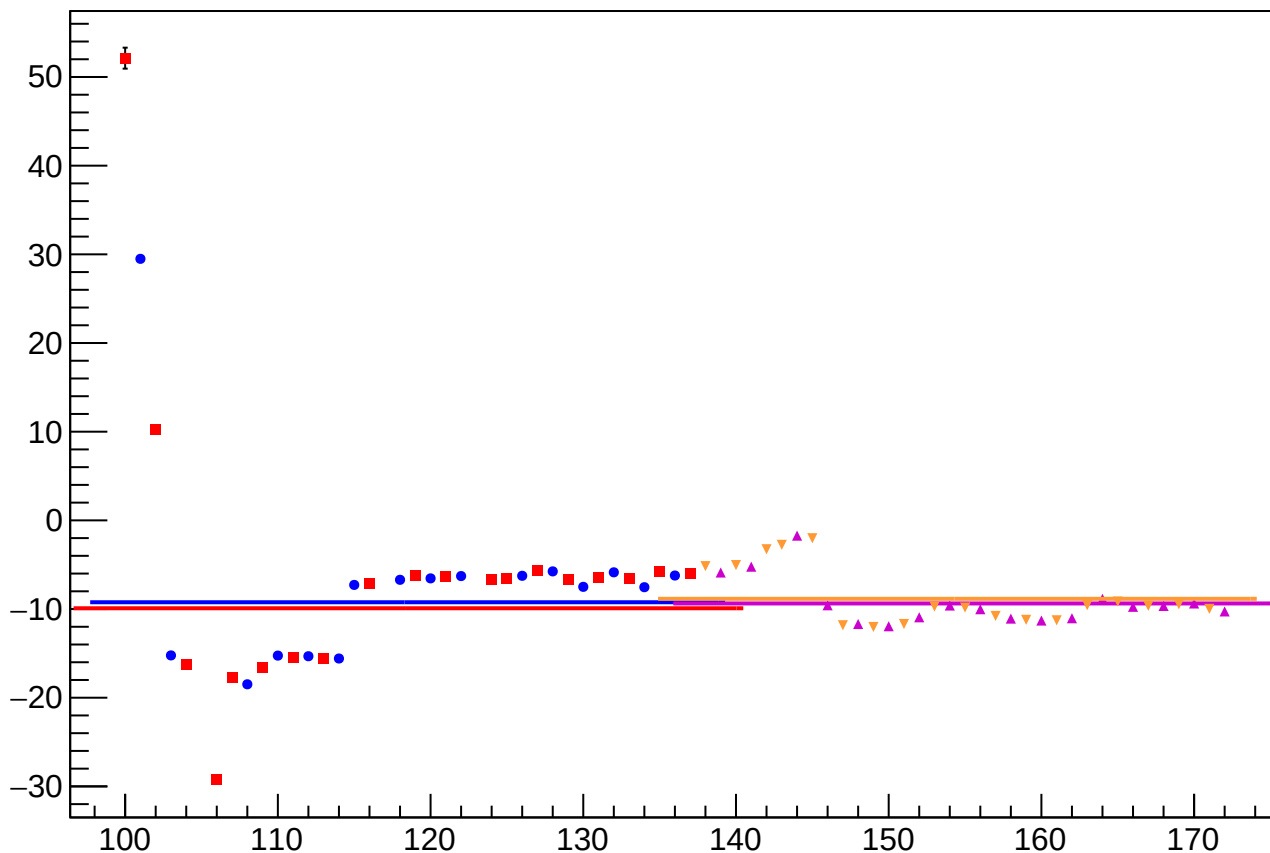
Left In: 16.710 $\pm$ 0.320 χ^2 /NDF: 173.2/16

+ sign 17.495 $\pm$ 0.276 χ^2 /NDF: 311.1/33

All: 17.472 $\pm$ 0.197 χ^2 /NDF: 688.8/69

- sign 17.449 $\pm$ 0.281 χ^2 /NDF: 377.7/35

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

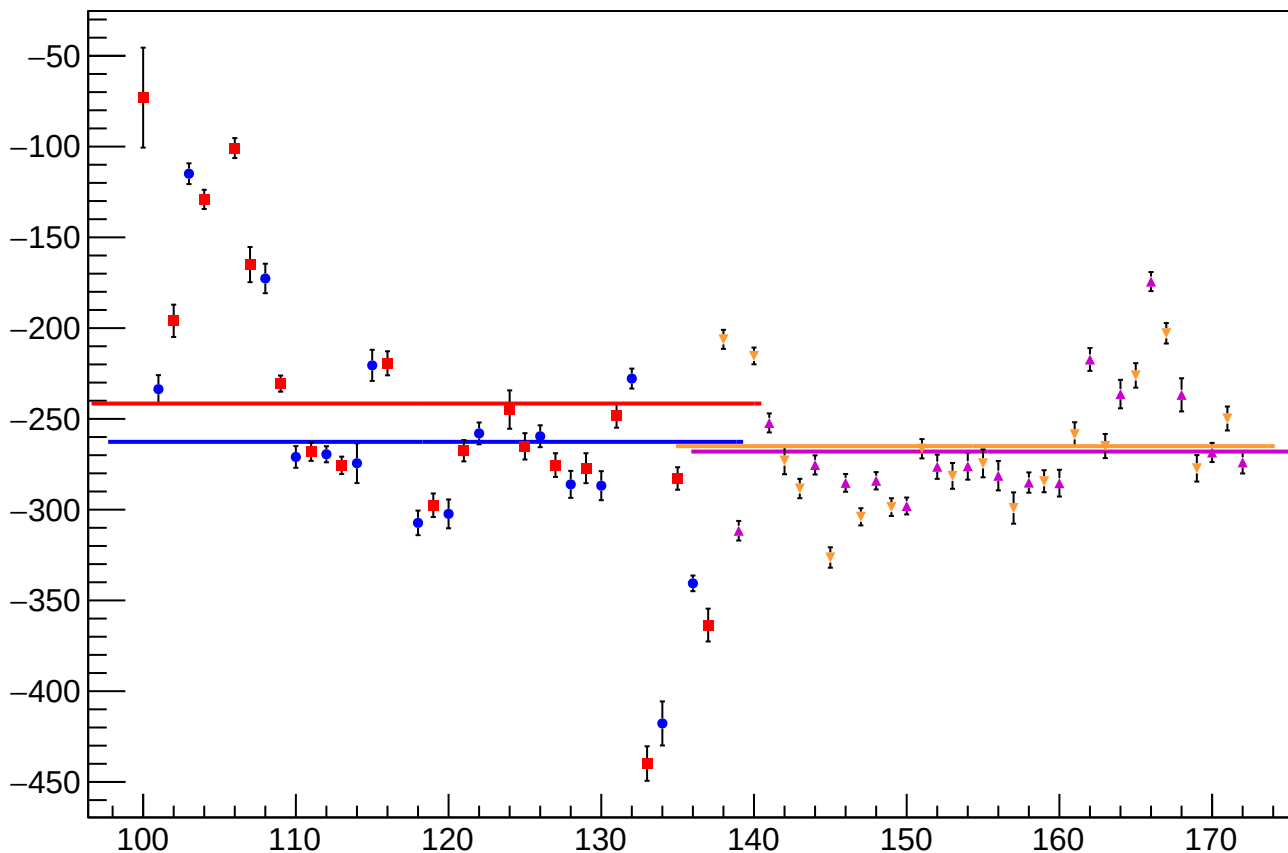
Left In: -9.370 ± 0.014 χ^2/NDF : 29239.8/16

+ sign -8.907 ± 0.013 χ^2/NDF : 75790.7/33

All: -9.176 ± 0.009 χ^2/NDF : 159962.7/69

- sign -9.449 ± 0.013 χ^2/NDF : 83315.3/35

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

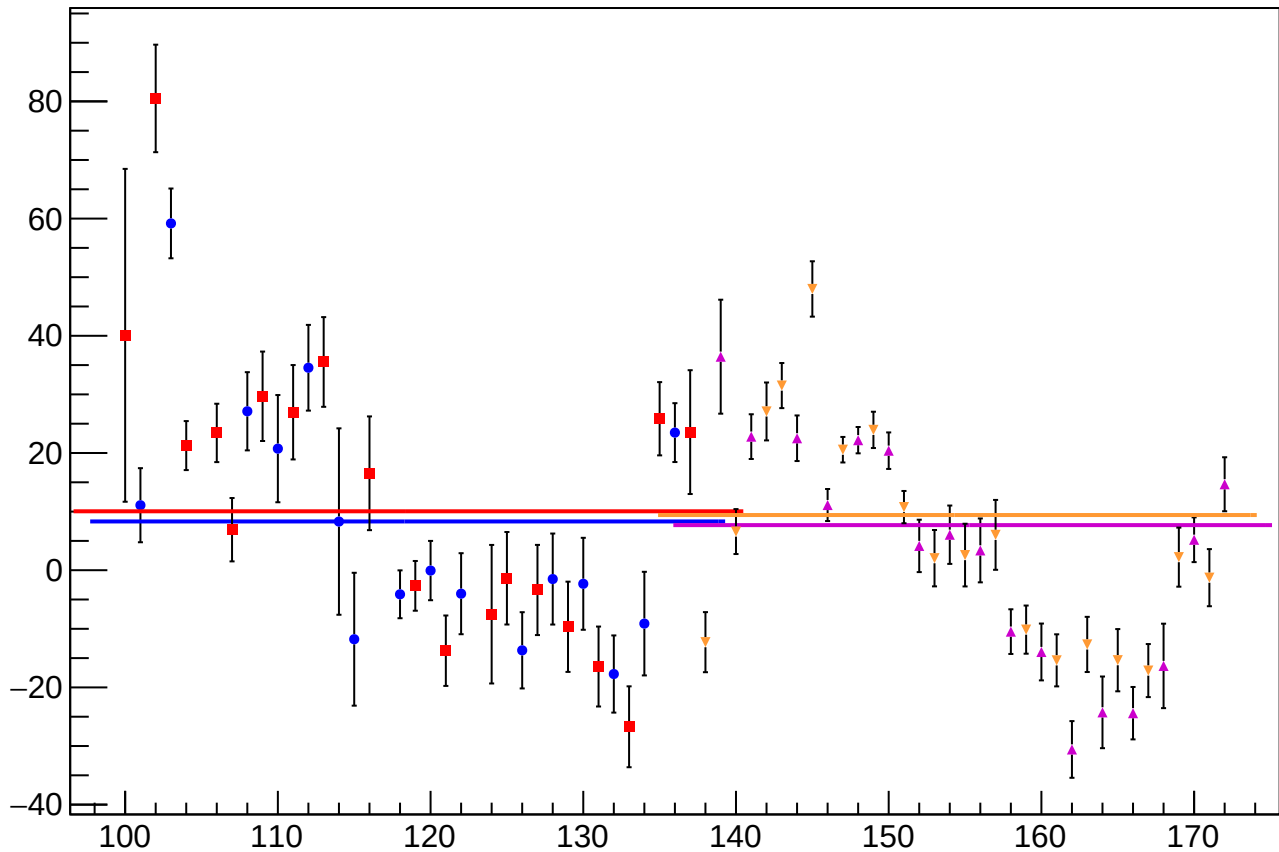
Left In: -268.000+/-1.418 χ^2/NDF : 573.9/16

+ sign -264.001+/-1.059 χ^2/NDF : 2147.7/33

All: -259.676+/-0.739 χ^2/NDF : 5056.2/69

- sign -255.566+/-1.033 χ^2/NDF : 2876.0/35

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

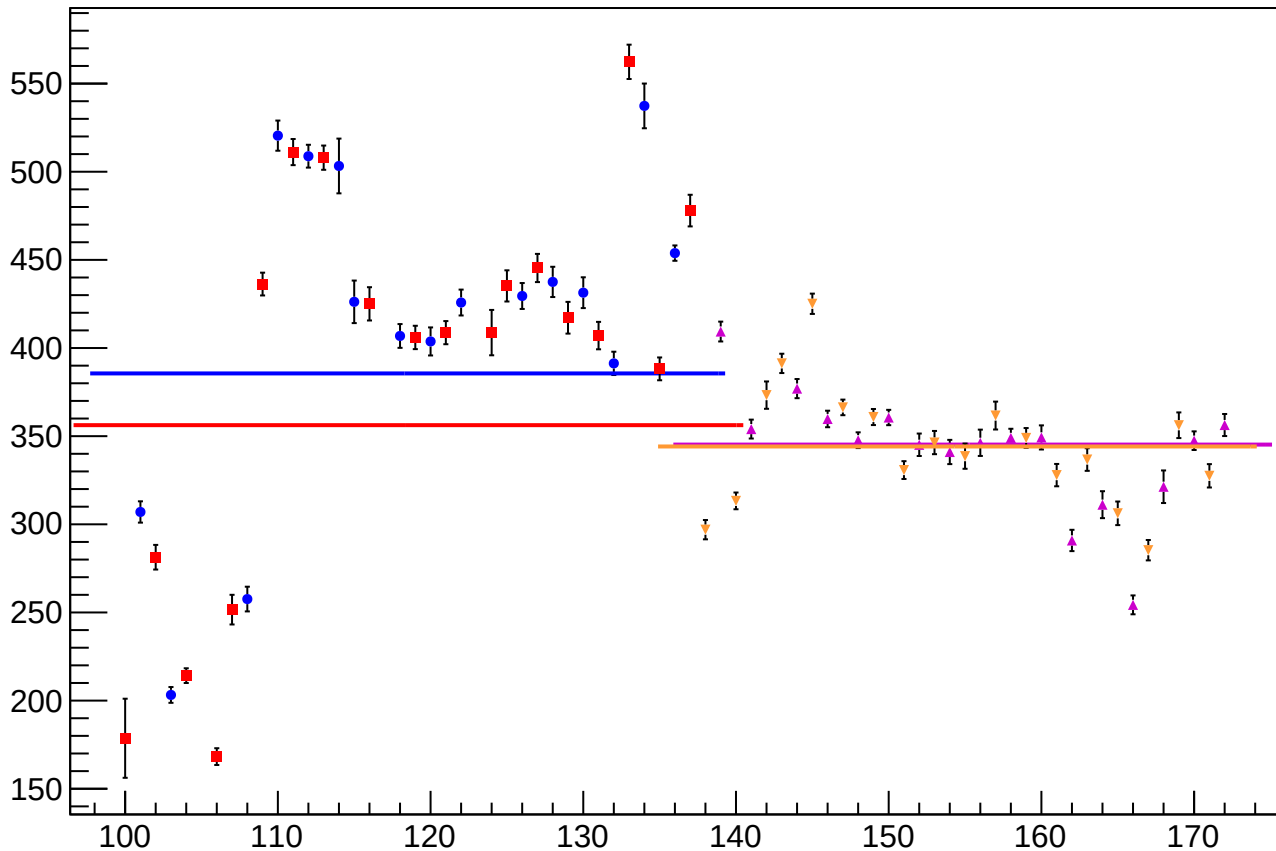
Left In: 7.693 ± 0.967 χ^2/NDF : 298.0/16

+ sign 9.145 ± 0.816 χ^2/NDF : 480.4/33

All: 8.754 ± 0.578 χ^2/NDF : 968.0/69

- sign 8.361 ± 0.819 χ^2/NDF : 487.1/35

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.590 $\pm$ 1.742 χ^2 /NDF: 3373.1/15

Left Out: 344.151 $\pm$ 1.374 χ^2 /NDF:606.9/17

Right Out: 356.245 $\pm$ 1.647 χ^2 /NDF: 5270.3/18

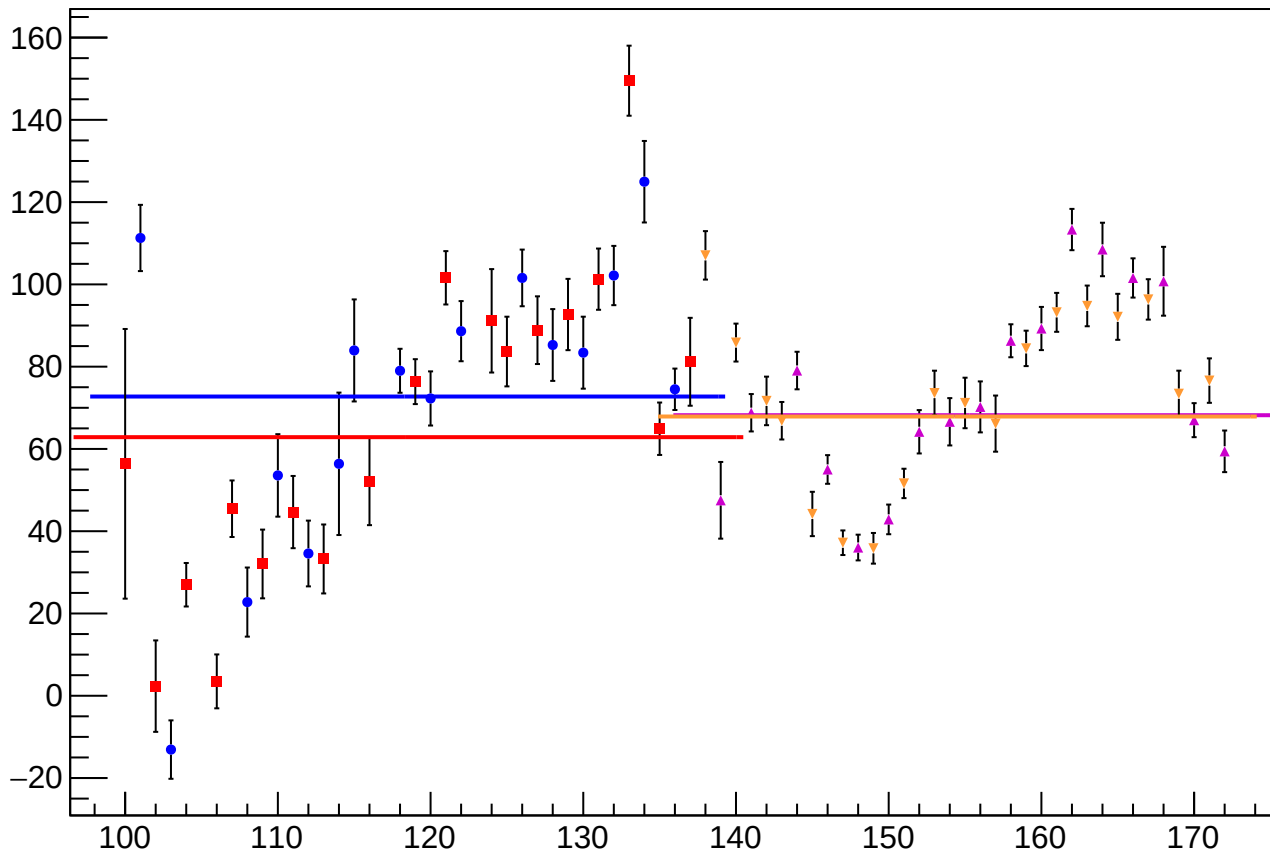
Left In: 345.222 $\pm$ 1.381 χ^2 /NDF:589.6/16

+ sign 360.037 $\pm$ 1.079 χ^2 /NDF: 4328.8/33

All: 354.808 $\pm$ 0.755 χ^2 /NDF: 10261.1/69

- sign 349.776 $\pm$ 1.058 χ^2 /NDF: 5886.2/35

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 72.740 $\pm$ 1.897 χ^2 /NDF: 304.3/15

Left Out: 67.883 $\pm$ 1.111 χ^2 /NDF: 409.5/17

Right Out: 62.863 $\pm$ 1.795 χ^2 /NDF: 403.6/18

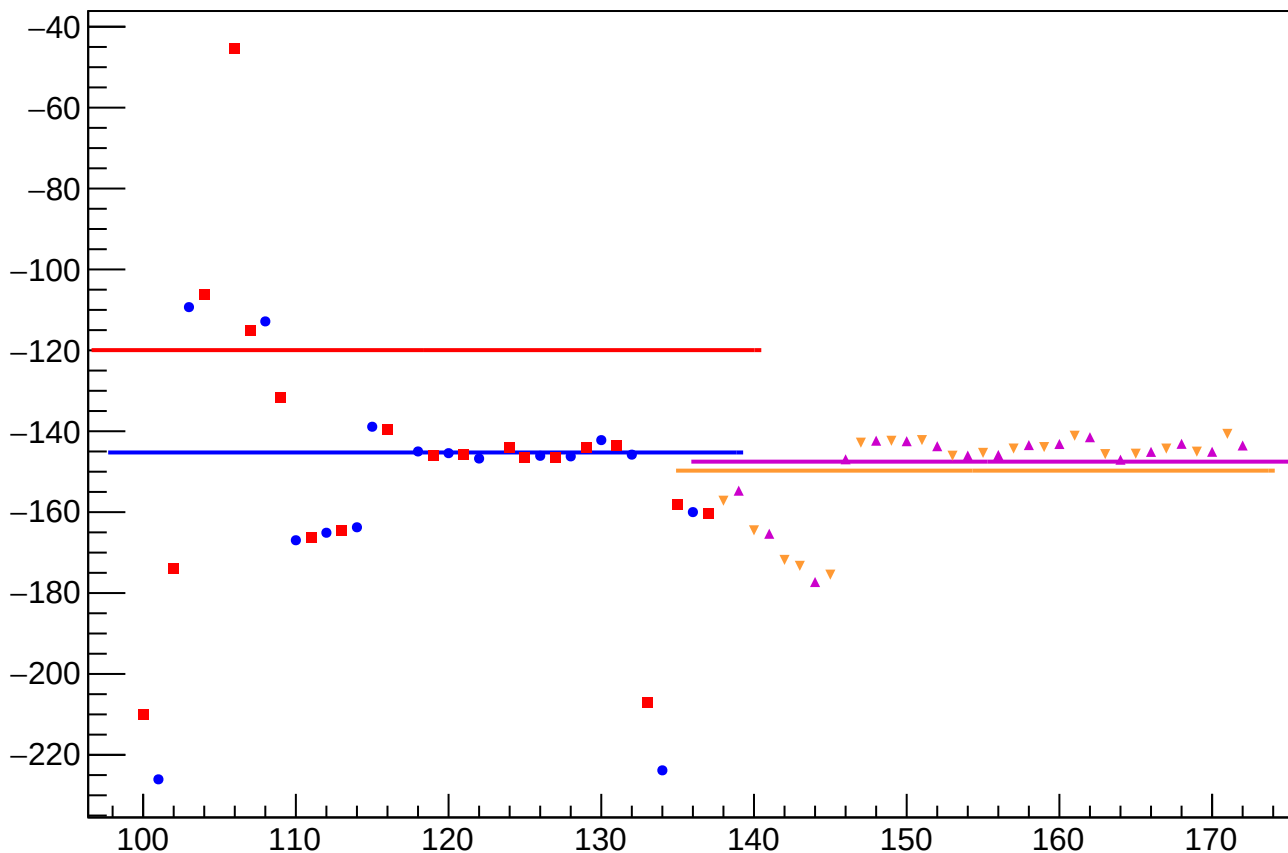
Left In: 68.198 $\pm$ 1.133 χ^2 /NDF: 403.7/16

+ sign 69.124 $\pm$ 0.959 χ^2 /NDF: 718.7/33

All: 67.900 $\pm$ 0.678 χ^2 /NDF: 1535.6/69

- sign 66.678 $\pm$ 0.958 χ^2 /NDF: 813.7/35

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

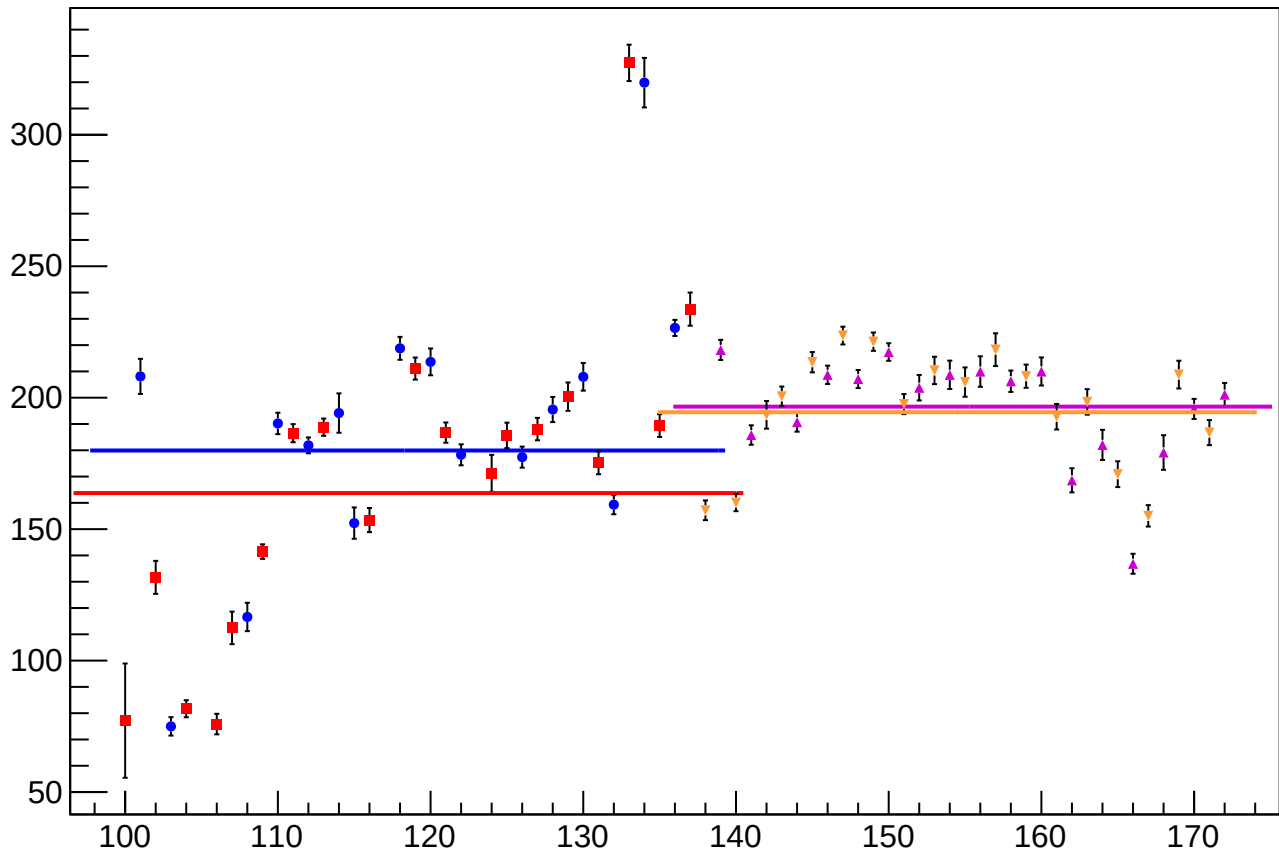
Left In: -147.515+/-0.052 χ^2/NDF : 27251.8/16

+ sign -148.733+/-0.046 χ^2/NDF : 178614.6/33

All: -144.463+/-0.032 χ^2/NDF : 564010.5/69

- sign -140.455+/-0.045 χ^2/NDF : 369030.4/35

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

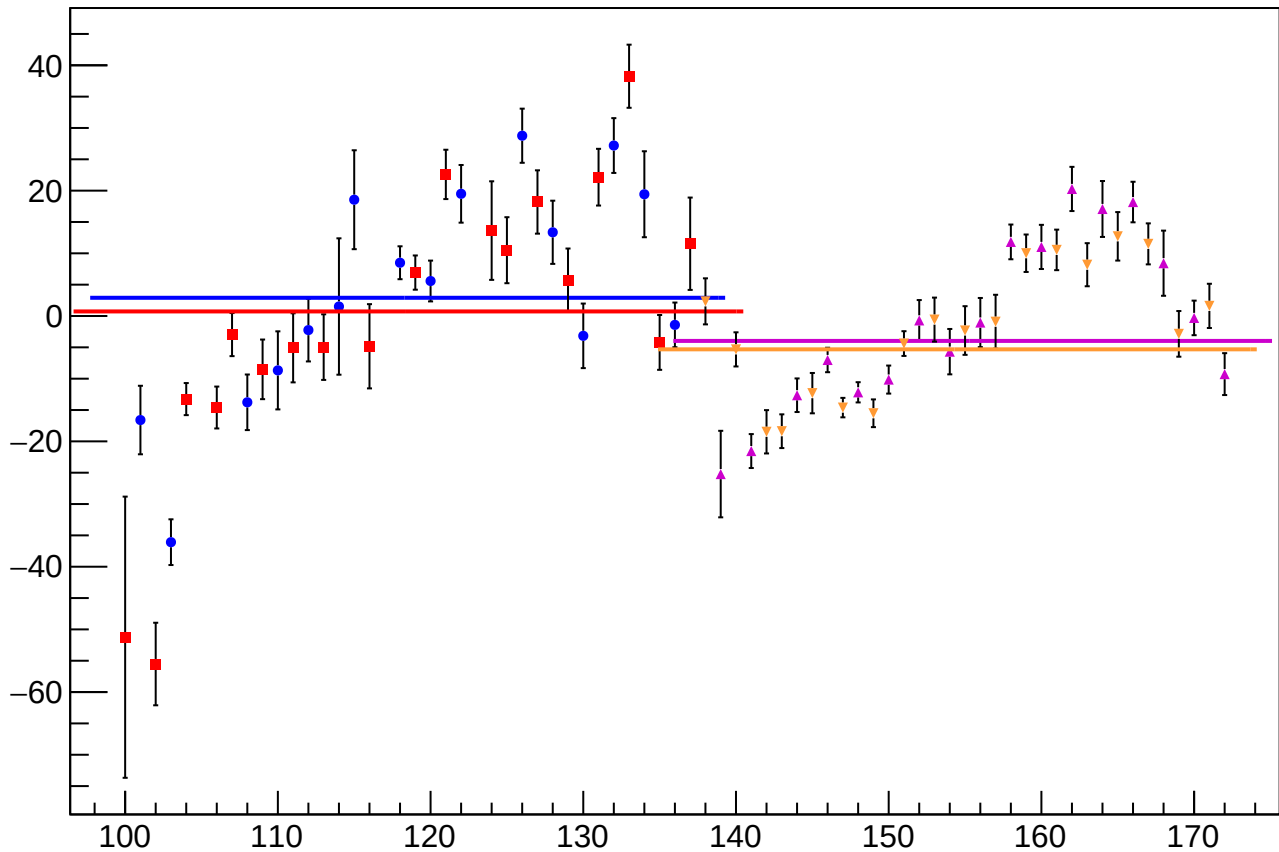
Left In: 196.598 ± 1.018 χ^2/NDF : 427.1/16

+ sign 187.779 ± 0.738 χ^2/NDF : 2364.7/33

All: 183.696 ± 0.513 χ^2/NDF : 5798.4/69

- sign 179.880 ± 0.714 χ^2/NDF : 3374.6/35

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



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

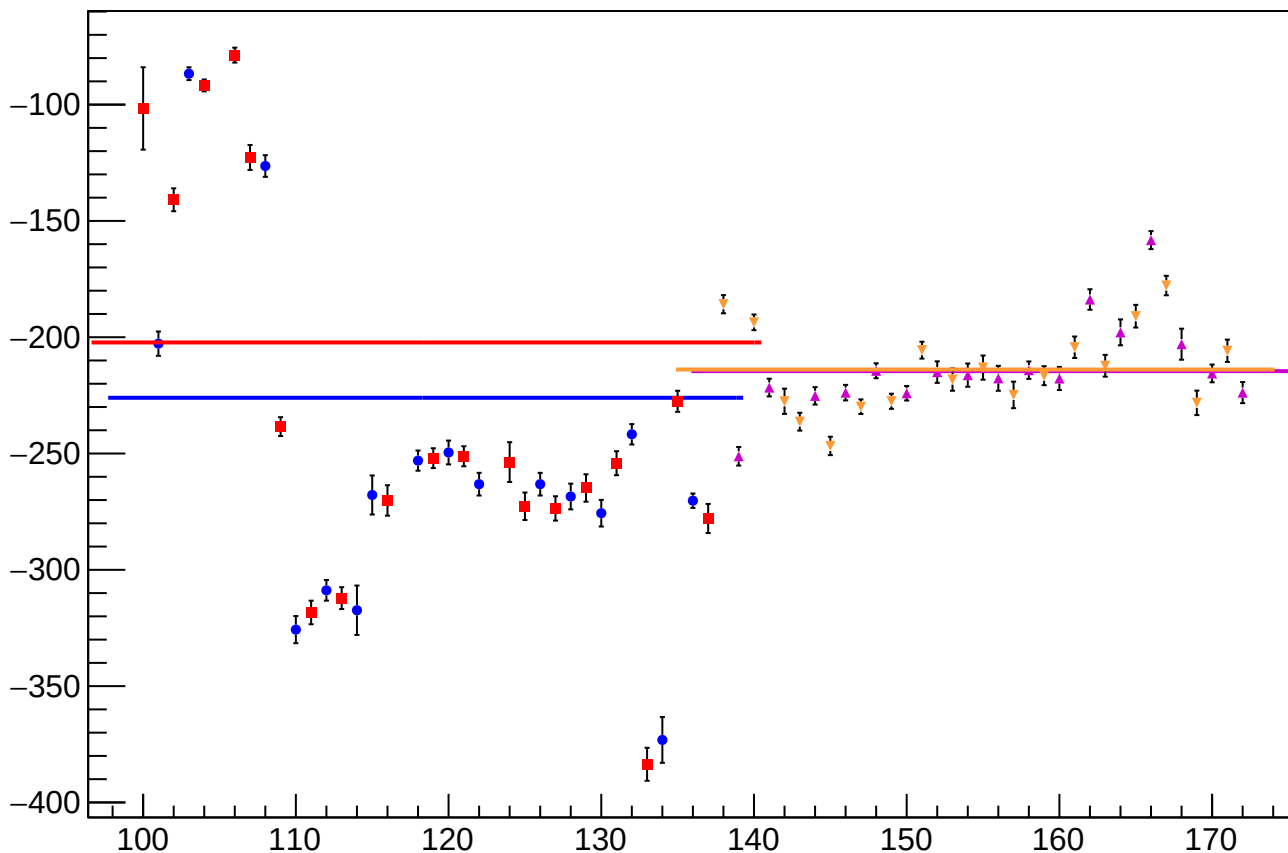
Left In: -3.975 ± 0.694 χ^2/NDF : 276.8/16

+ sign -3.096 ± 0.574 χ^2/NDF : 514.2/33

All: -2.782 ± 0.405 χ^2/NDF : 1079.9/69

- sign -2.470 ± 0.573 χ^2/NDF : 565.1/35

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



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

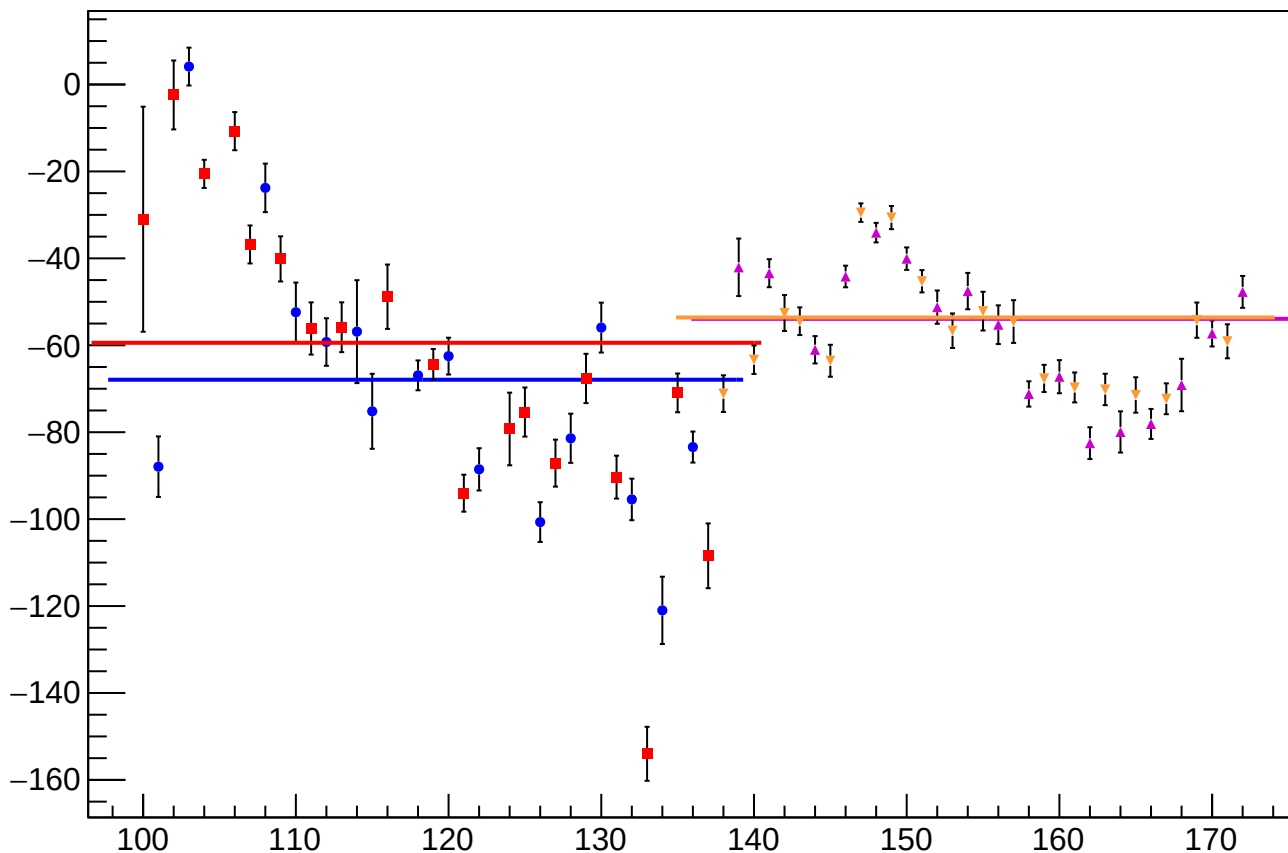
Left In: -214.577+/-0.992 χ^2/NDF : 390.1/16

+ sign -218.890+/-0.754 χ^2/NDF : 4964.1/33

All: -213.789+/-0.526 χ^2/NDF : 12204.1/69

- sign -208.975+/-0.733 χ^2/NDF : 7151.1/35

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

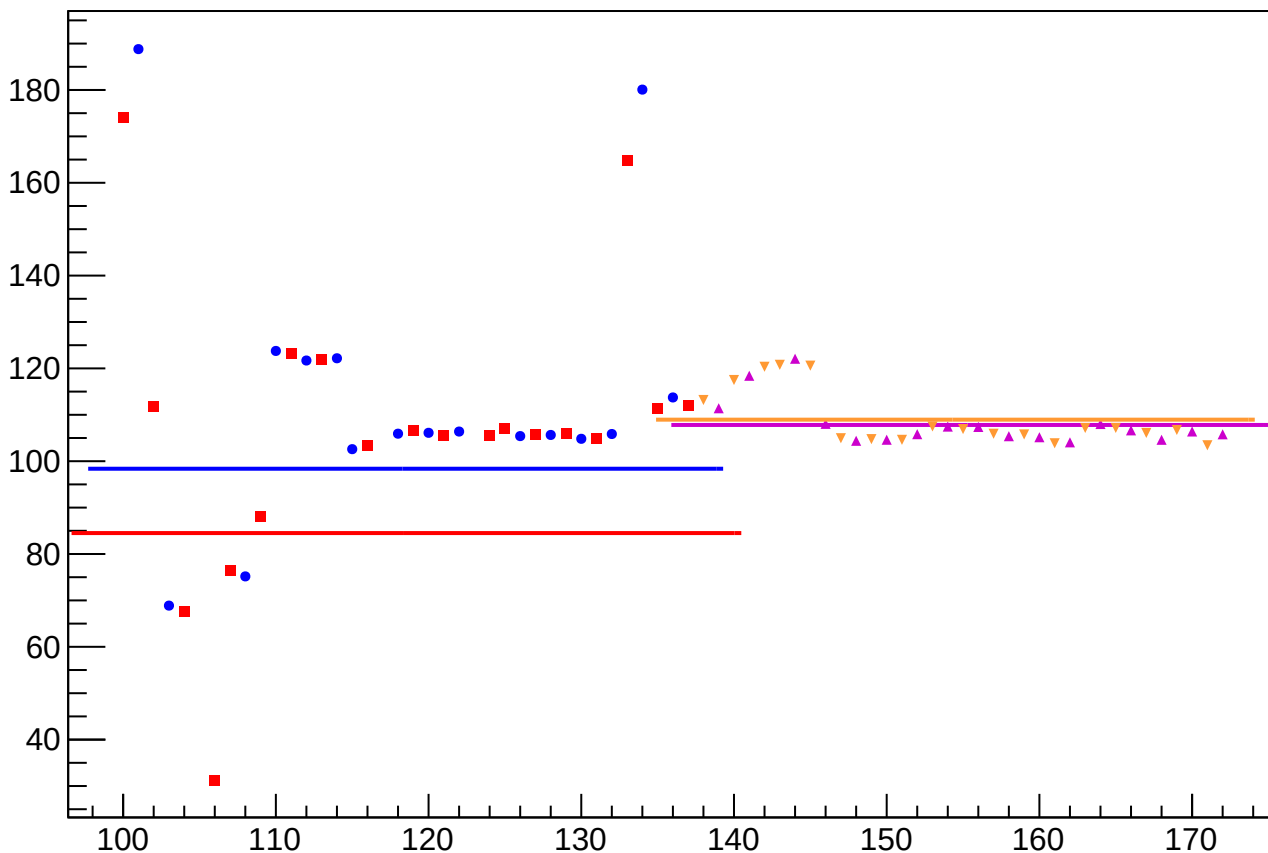
Left In: -53.912 ± 0.814 χ^2/NDF : 342.0/16

+ sign -57.606 ± 0.676 χ^2/NDF : 984.0/33

All: -56.637 ± 0.476 χ^2/NDF : 2139.7/69

- sign -55.682 ± 0.671 χ^2/NDF : 1151.6/35

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

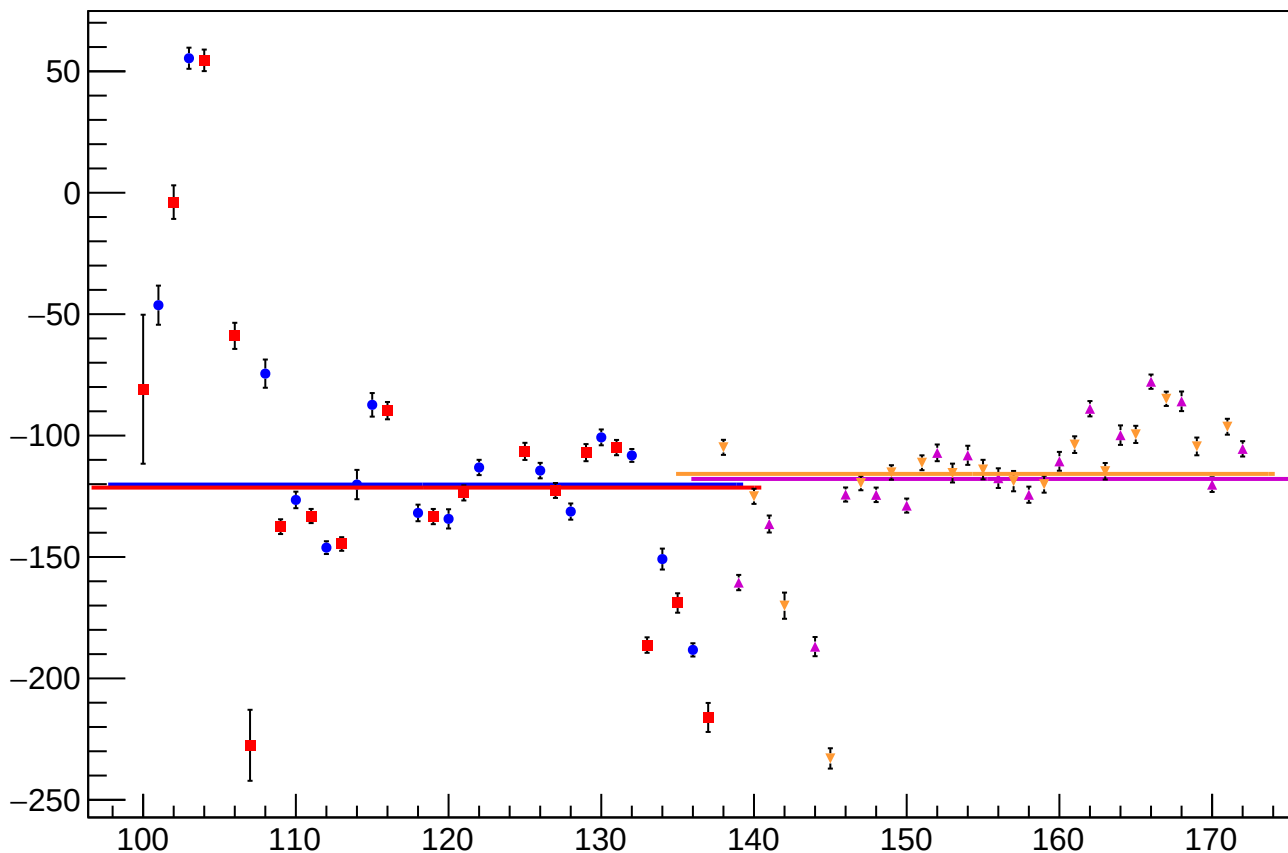
Left In: 107.811+/-0.038 χ^2/NDF : 15643.0/16

+ sign 106.339+/-0.033 χ^2/NDF : 271815.5/33

All: 103.776+/-0.023 χ^2/NDF : 674970.3/69

- sign 101.354+/-0.032 χ^2/NDF : 391302.1/35

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -120.177 $\pm$ 0.891 χ^2 /NDF: 2691.2/15

Left Out: -115.778 $\pm$ 0.834 χ^2 /NDF:1100.5/16

Right Out: -121.418 $\pm$ 0.875 χ^2 /NDF: 3126.3/17

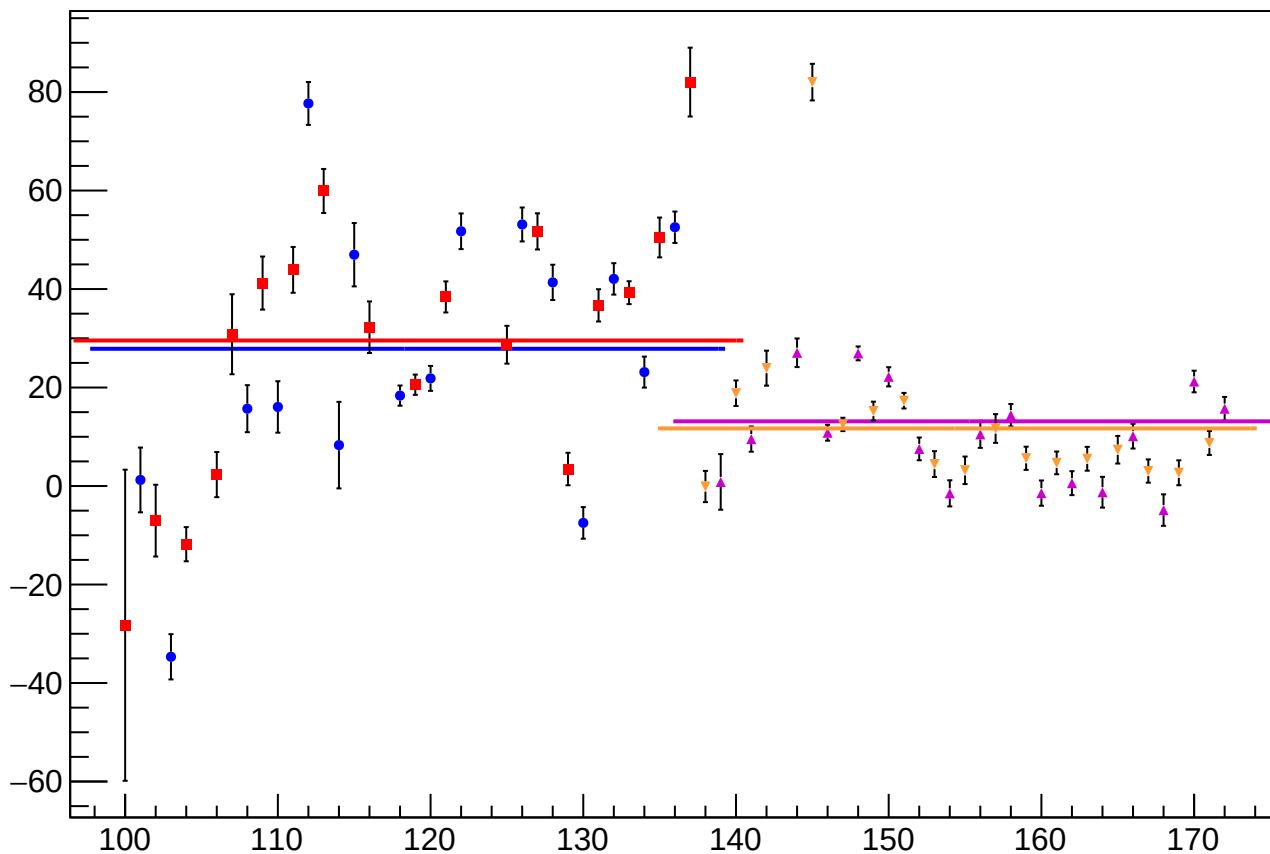
Left In: -117.861 $\pm$ 0.814 χ^2 /NDF:931.6/16

+ sign -117.834 $\pm$ 0.609 χ^2 /NDF: 3804.7/32

All: -118.690 $\pm$ 0.426 χ^2 /NDF: 7875.4/67

- sign -119.511 $\pm$ 0.596 χ^2 /NDF: 4066.8/34

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



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

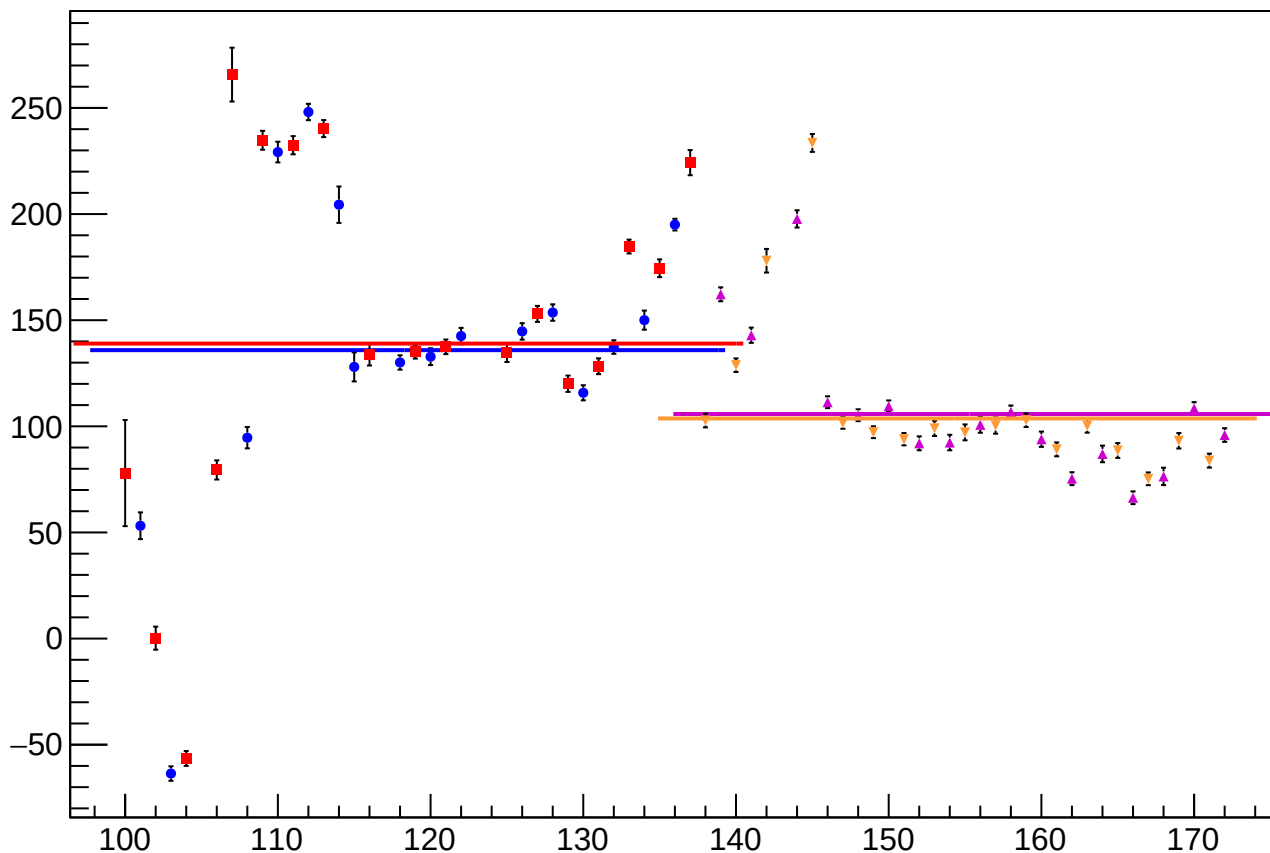
Left In: 13.135 ± 0.562 χ^2/NDF : 314.8/16

+ sign 16.308 ± 0.474 χ^2/NDF : 1414.0/32

All: 17.060 ± 0.336 χ^2/NDF : 2474.8/67

- sign 17.816 ± 0.475 χ^2/NDF : 1055.7/34

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 135.883 $\pm$ 0.999 χ^2 /NDF: 5463.6/15

Left Out: 103.704 $\pm$ 0.811 χ^2 /NDF:1381.8/16

Right Out: 138.985 $\pm$ 0.998 χ^2 /NDF: 6156.4/17

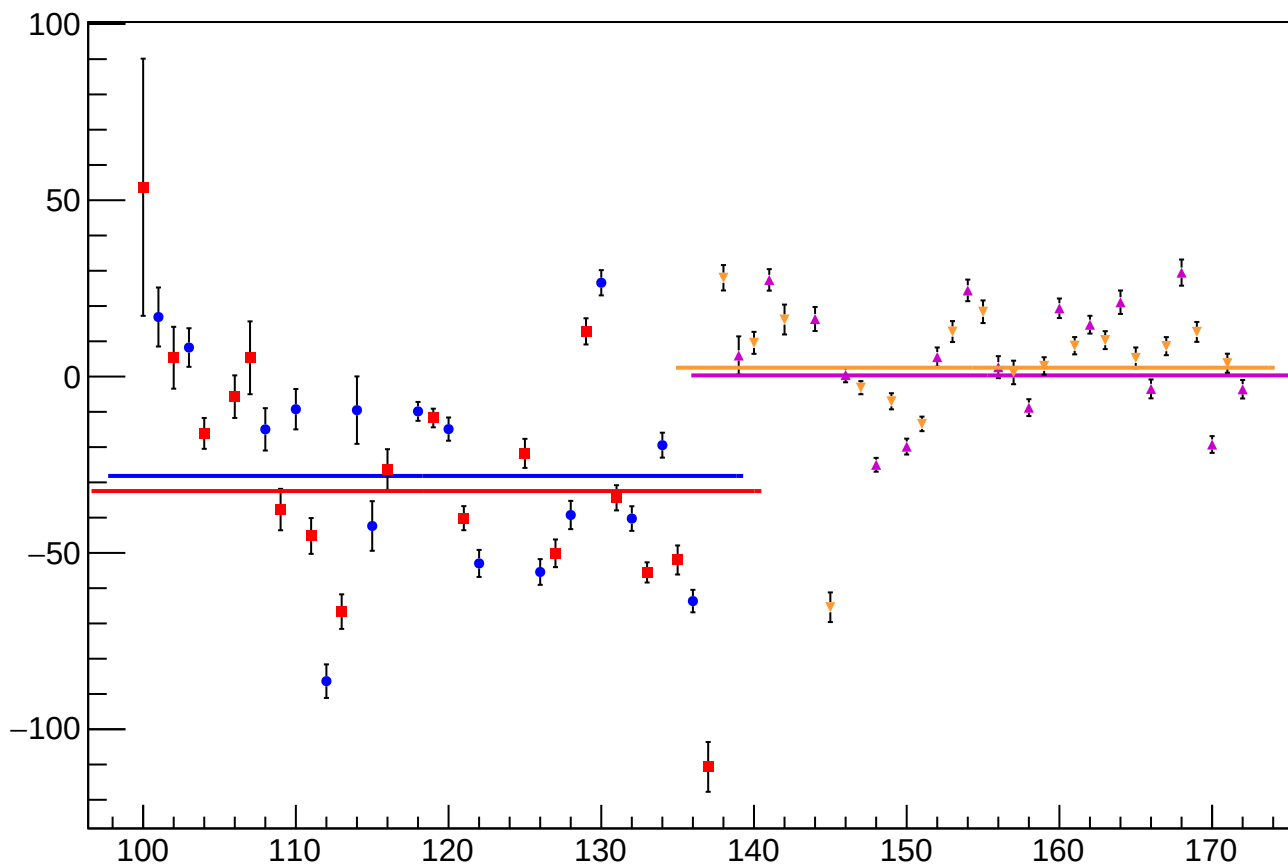
Left In: 105.807 $\pm$ 0.792 χ^2 /NDF:1320.7/16

+ sign 116.500 $\pm$ 0.630 χ^2 /NDF: 7471.1/32

All: 117.574 $\pm$ 0.442 χ^2 /NDF: 15632.0/67

- sign 118.617 $\pm$ 0.620 χ^2 /NDF: 8155.2/34

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



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

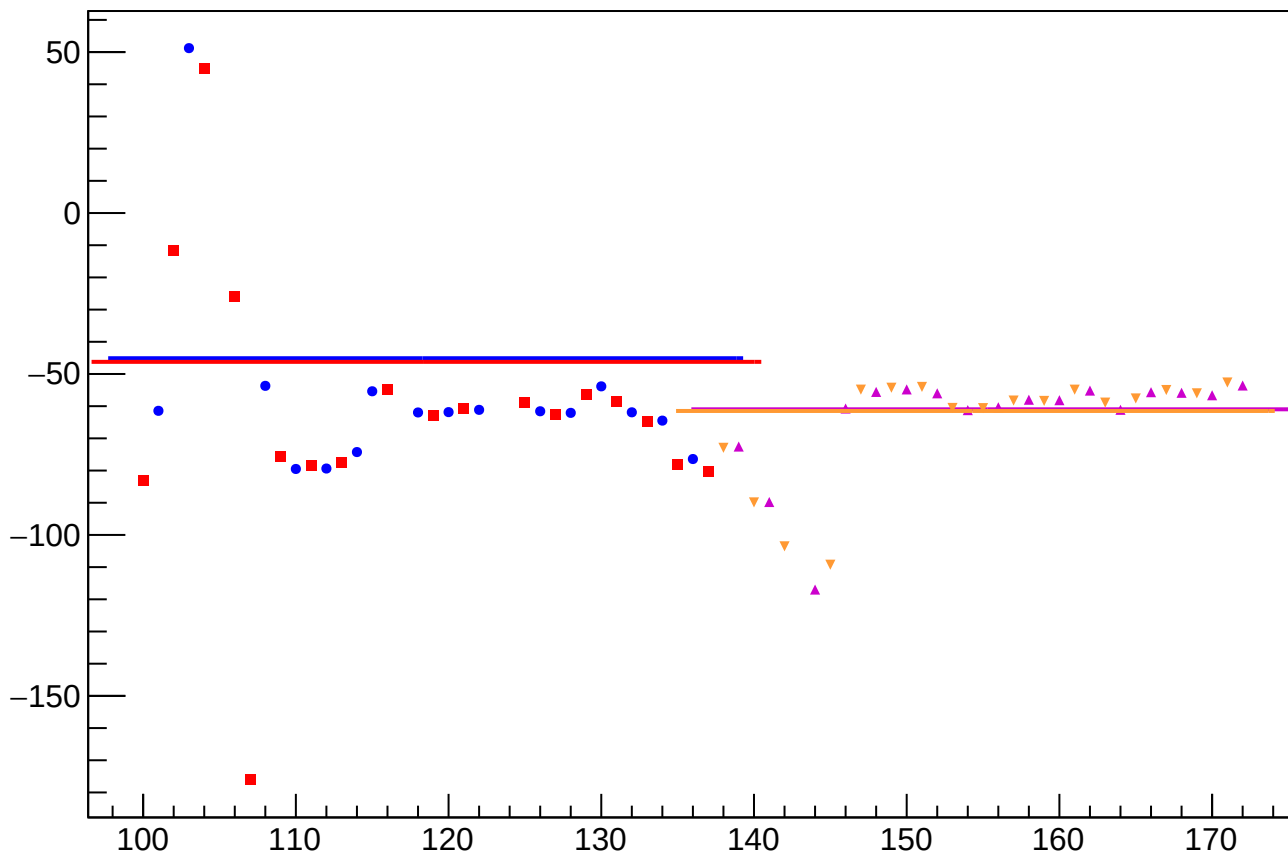
Left In: 0.332 ± 0.652 χ^2/NDF : 683.0/16

+ sign -6.434 ± 0.552 χ^2/NDF : 1915.2/32

All: -7.764 ± 0.390 χ^2/NDF : 3916.7/67

- sign -9.087 ± 0.551 χ^2/NDF : 1989.9/34

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -45.106 ± 0.060 $\chi^2/\text{NDF}: 575184.2/15$

Left Out: -61.488 ± 0.030 $\chi^2/\text{NDF}: 192927.2/16$

Right Out: -46.229 ± 0.063 $\chi^2/\text{NDF}: 493616.3/17$

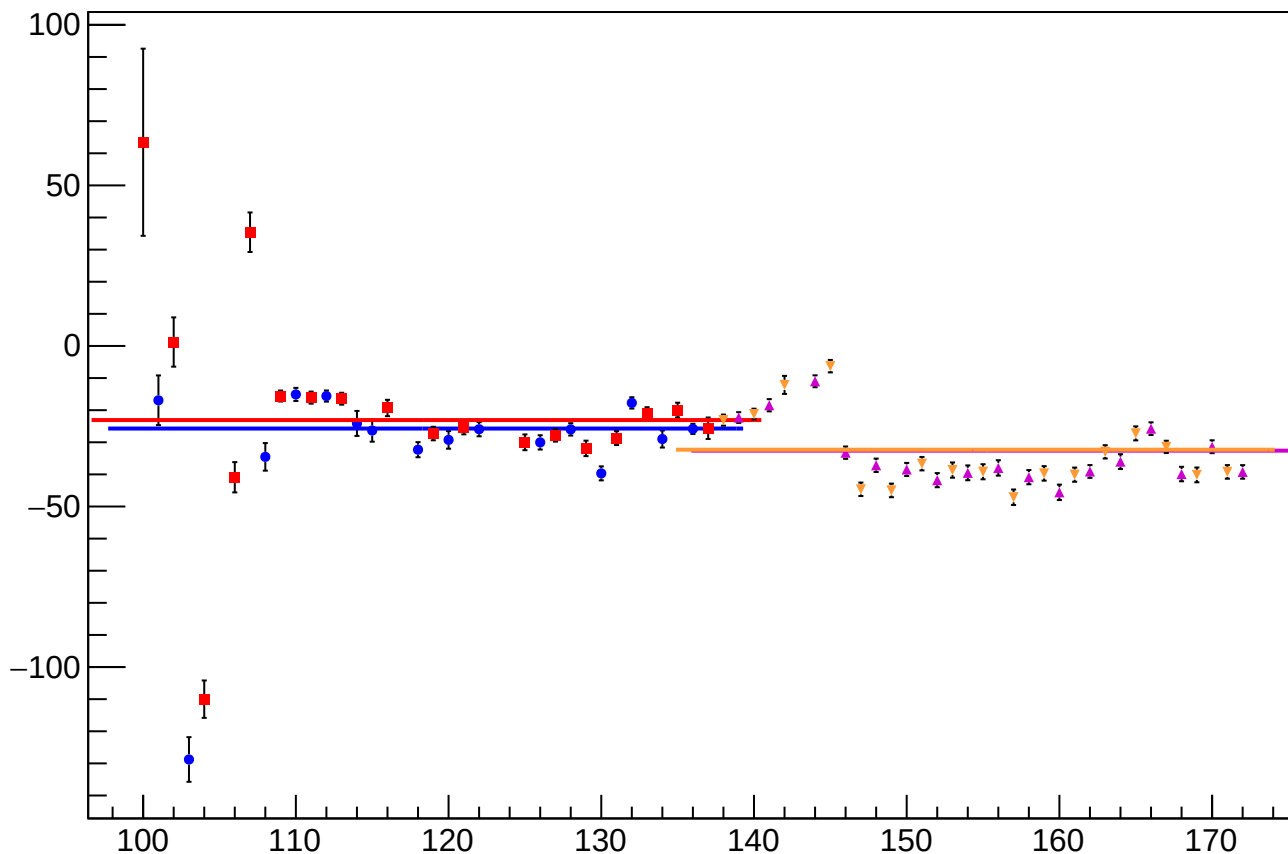
Left In: -60.975 ± 0.029 $\chi^2/\text{NDF}: 162879.7/16$

+ sign -58.161 ± 0.027 $\chi^2/\text{NDF}: 827258.2/32$

All: -58.232 ± 0.019 $\chi^2/\text{NDF}: 1529214.9/67$

- sign -58.301 ± 0.027 $\chi^2/\text{NDF}: 701943.2/34$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.721 ± 0.590 χ^2/NDF : 363.0/15

Left Out: -32.310 ± 0.512 χ^2/NDF : 482.3/16

Right Out: -23.079 ± 0.582 χ^2/NDF : 437.1/17

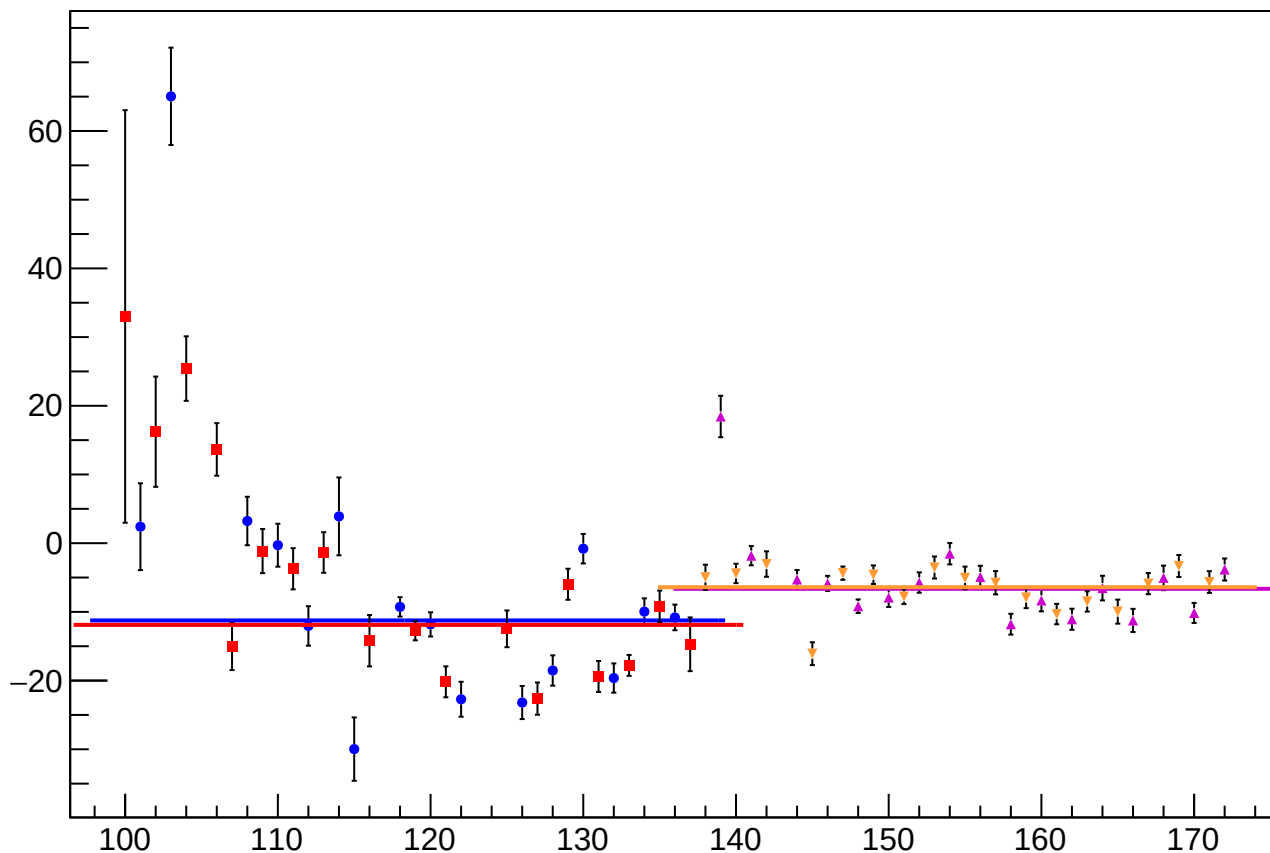
Left In: -32.602 ± 0.501 χ^2/NDF : 361.5/16

+ sign -29.482 ± 0.387 χ^2/NDF : 916.4/32

All: -29.004 ± 0.271 χ^2/NDF : 1871.7/67

- sign -28.543 ± 0.380 χ^2/NDF : 952.3/34

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -11.246 ± 0.600 χ^2/NDF : 271.1/15

Left Out: -6.404 ± 0.356 χ^2/NDF : 69.7/16

Right Out: -11.890 ± 0.607 χ^2/NDF : 224.5/17

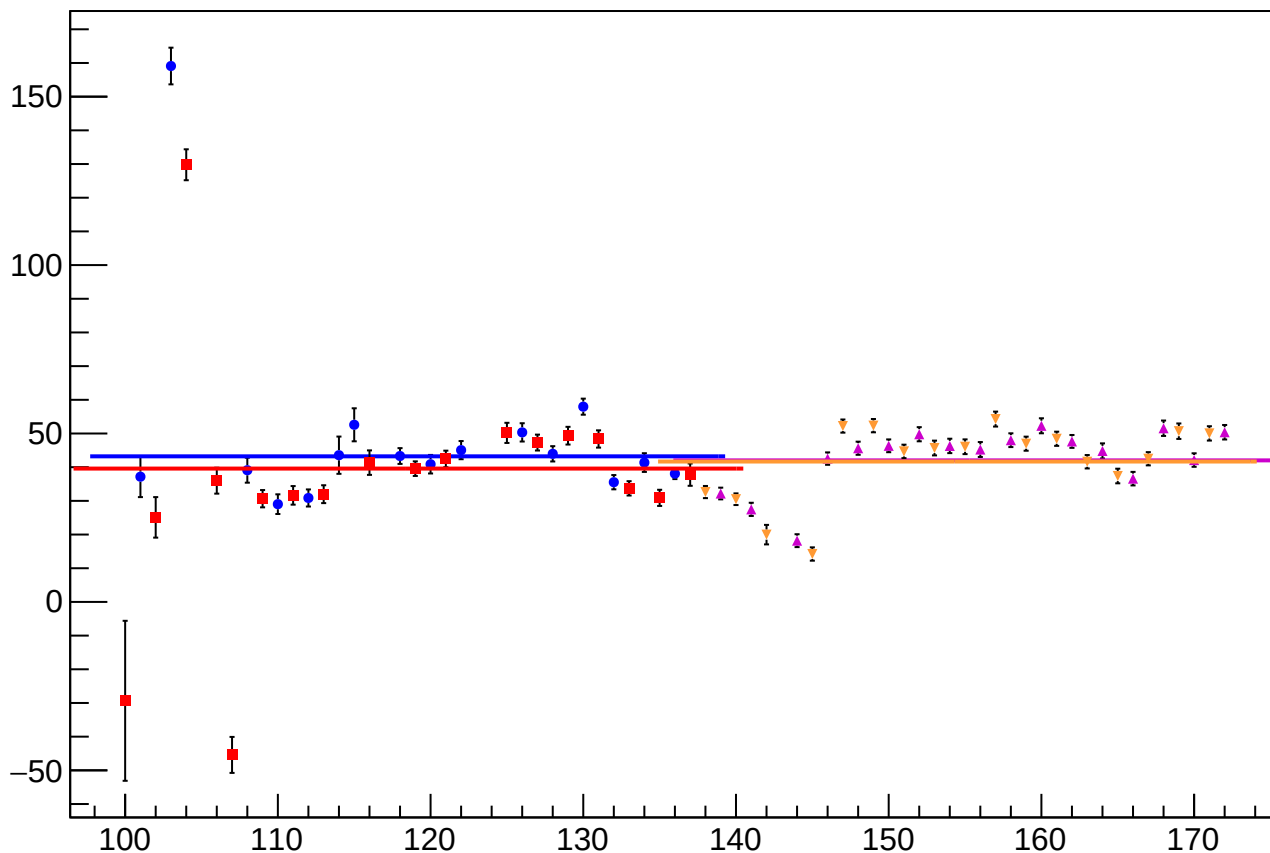
Left In: -6.641 ± 0.356 χ^2/NDF : 140.2/16

+ sign -7.663 ± 0.306 χ^2/NDF : 389.0/32

All: -7.824 ± 0.217 χ^2/NDF : 809.8/67

- sign -7.986 ± 0.307 χ^2/NDF : 420.3/34

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 43.222 $\pm$ 0.678 χ^2 /NDF: 576.0/15

Left Out: 41.683 $\pm$ 0.501 χ^2 /NDF: 466.9/16

Right Out: 39.587 $\pm$ 0.685 χ^2 /NDF: 754.0/17

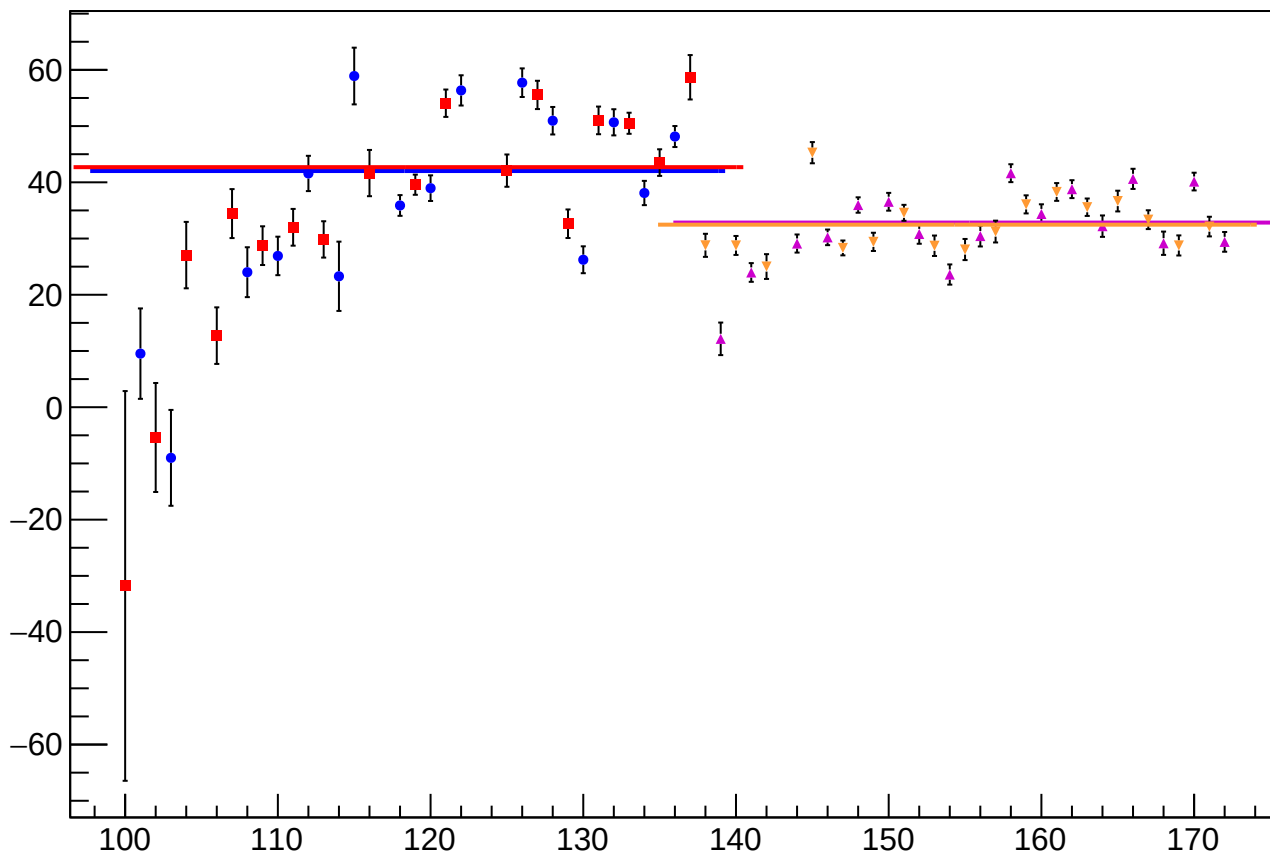
Left In: 42.022 $\pm$ 0.490 χ^2 /NDF: 350.6/16

+ sign 42.226 $\pm$ 0.403 χ^2 /NDF: 1046.2/32

All: 41.706 $\pm$ 0.283 χ^2 /NDF: 2162.5/67

- sign 41.197 $\pm$ 0.399 χ^2 /NDF: 1113.0/34

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 42.006 $\pm$ 0.684 χ^2 /NDF: 272.7/15

Left Out: 32.468 $\pm$ 0.413 χ^2 /NDF: 123.7/16

Right Out: 42.696 $\pm$ 0.695 χ^2 /NDF: 230.3/17

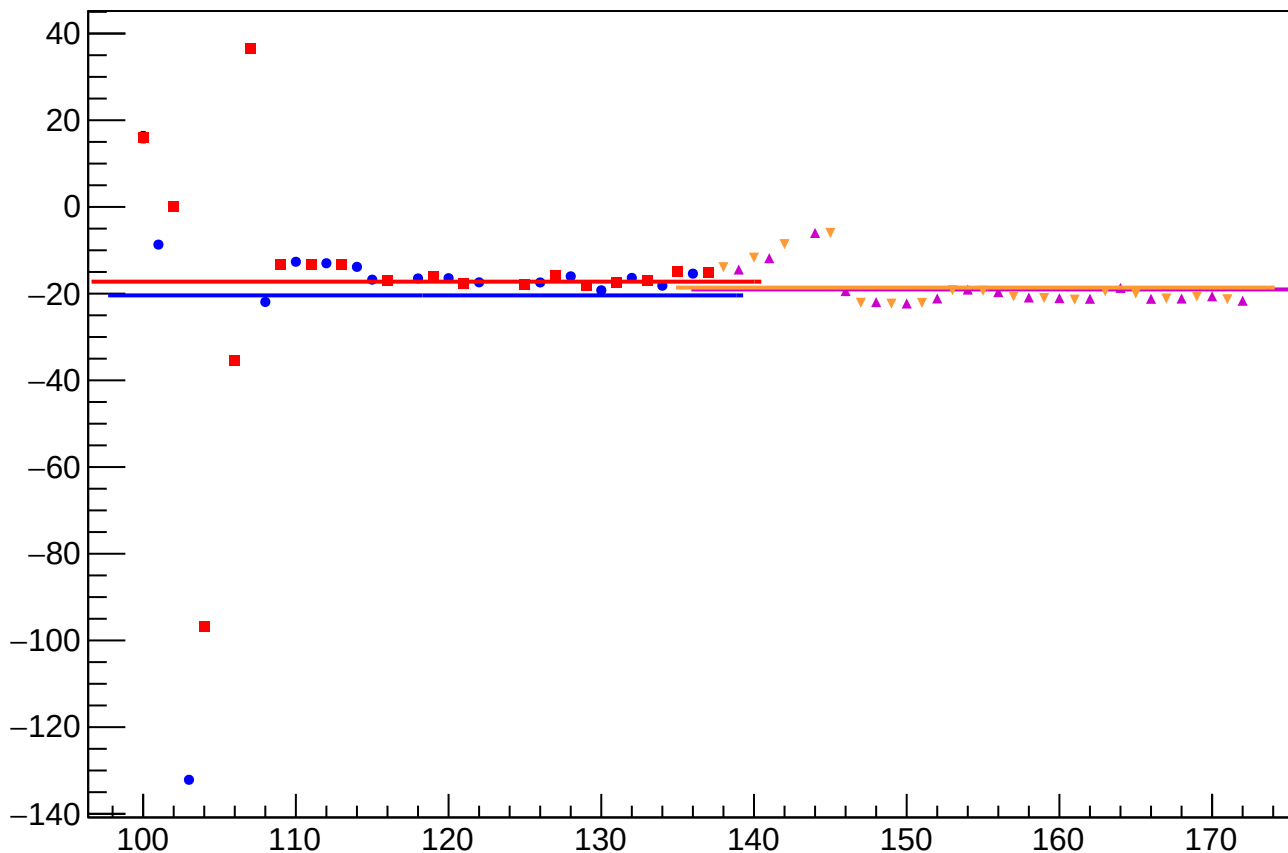
Left In: 32.839 $\pm$ 0.411 χ^2 /NDF: 221.1/16

+ sign 35.014 $\pm$ 0.353 χ^2 /NDF: 539.1/32

All: 35.204 $\pm$ 0.250 χ^2 /NDF: 1140.1/67

- sign 35.394 $\pm$ 0.354 χ^2 /NDF: 600.5/34

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



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

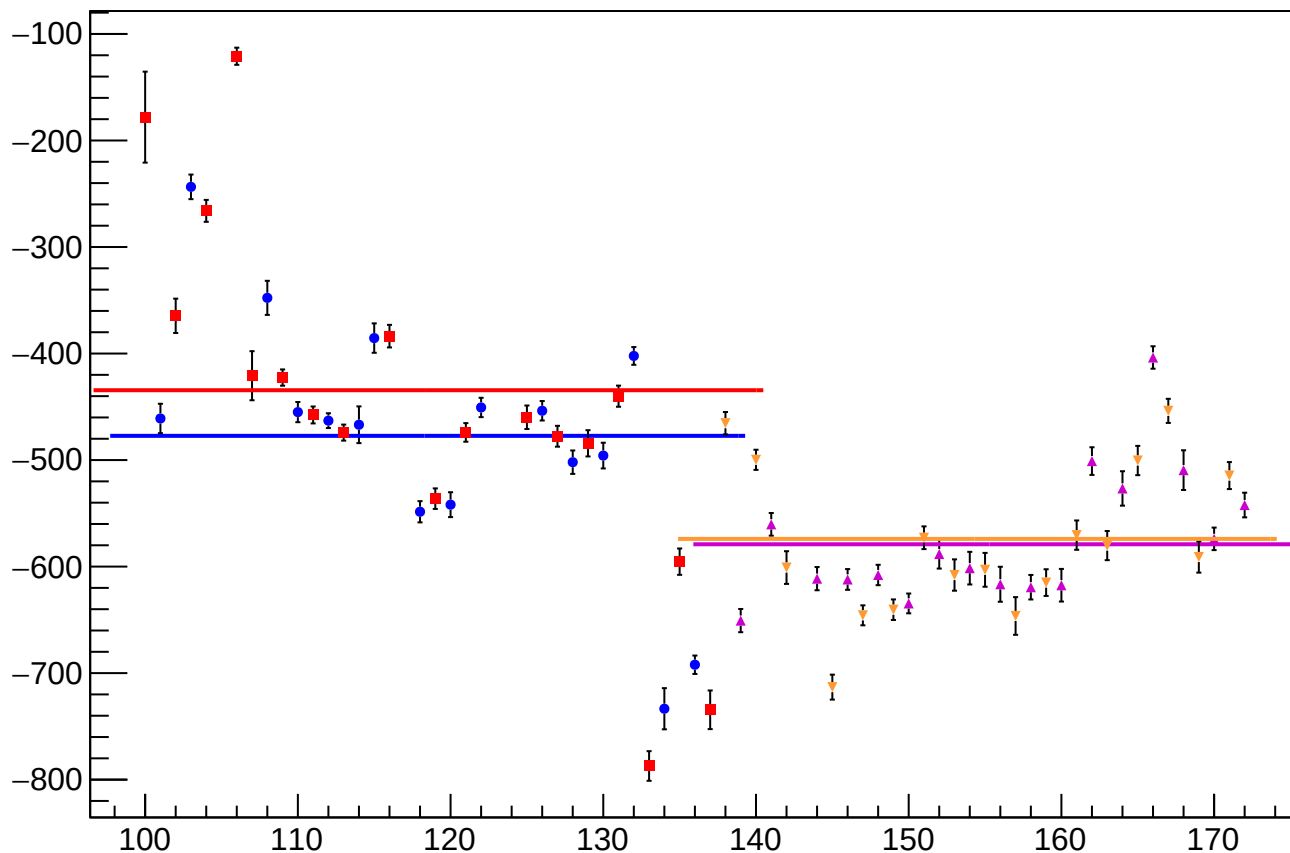
Left In: -19.035 ± 0.018 χ^2/NDF : 46371.0/16

+ sign -18.907 ± 0.017 χ^2/NDF : 305812.8/32

All: -18.839 ± 0.012 χ^2/NDF : 558293.8/67

- sign -18.772 ± 0.017 χ^2/NDF : 252449.7/34

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -477.255 ± 2.633 $\chi^2/\text{NDF}: 1510.8/15$

Left Out: -573.996 ± 2.943 $\chi^2/\text{NDF}: 620.0/16$

Right Out: -434.437 ± 2.464 $\chi^2/\text{NDF}: 3161.9/17$

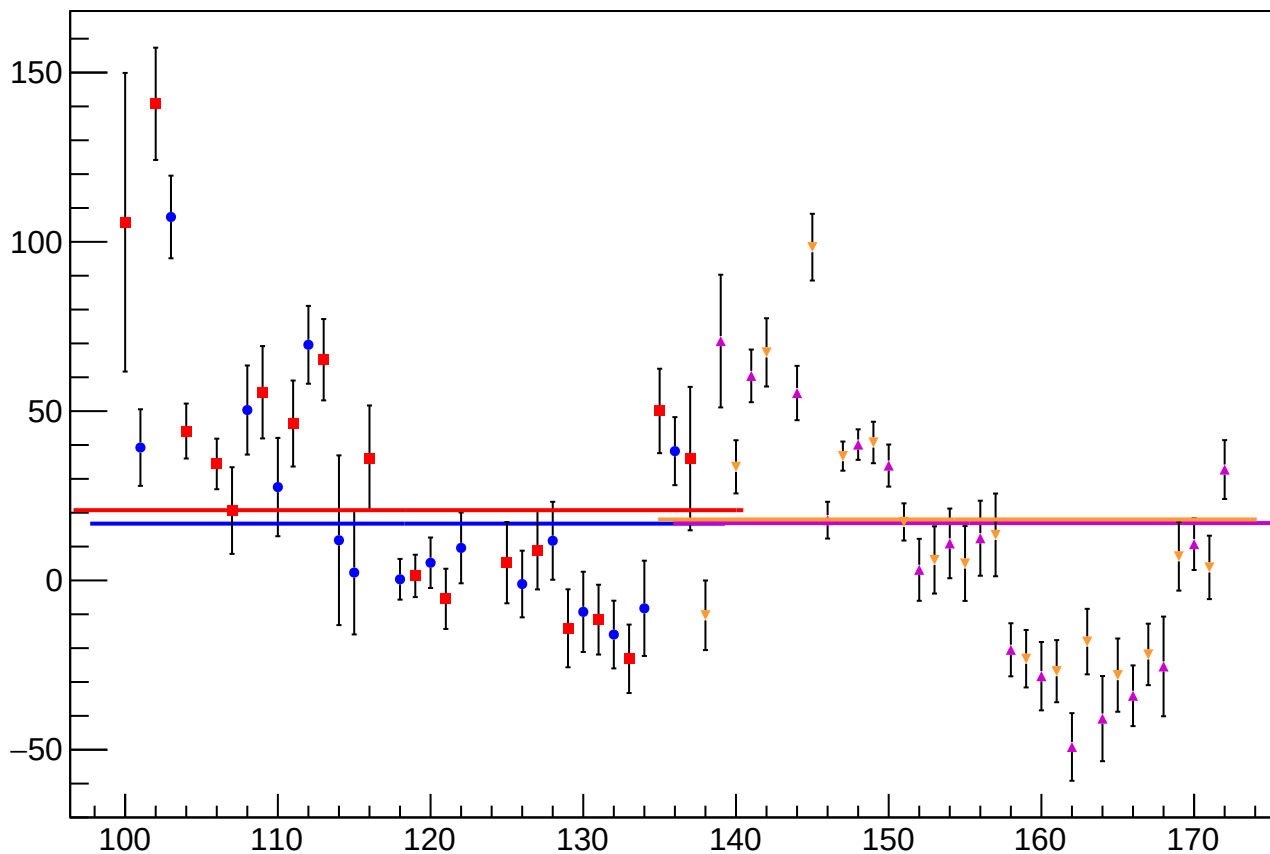
Left In: -579.050 ± 2.863 $\chi^2/\text{NDF}: 486.4/16$

+ sign -520.270 ± 1.962 $\chi^2/\text{NDF}: 2731.0/32$

All: -507.514 ± 1.353 $\chi^2/\text{NDF}: 7925.4/67$

- sign -495.958 ± 1.868 $\chi^2/\text{NDF}: 5113.9/34$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.780 $\pm$ 2.654 χ^2 /NDF: 125.0/15

Left Out: 18.006 $\pm$ 1.950 χ^2 /NDF:239.8/16

Right Out: 20.749 $\pm$ 2.548 χ^2 /NDF: 157.9/17

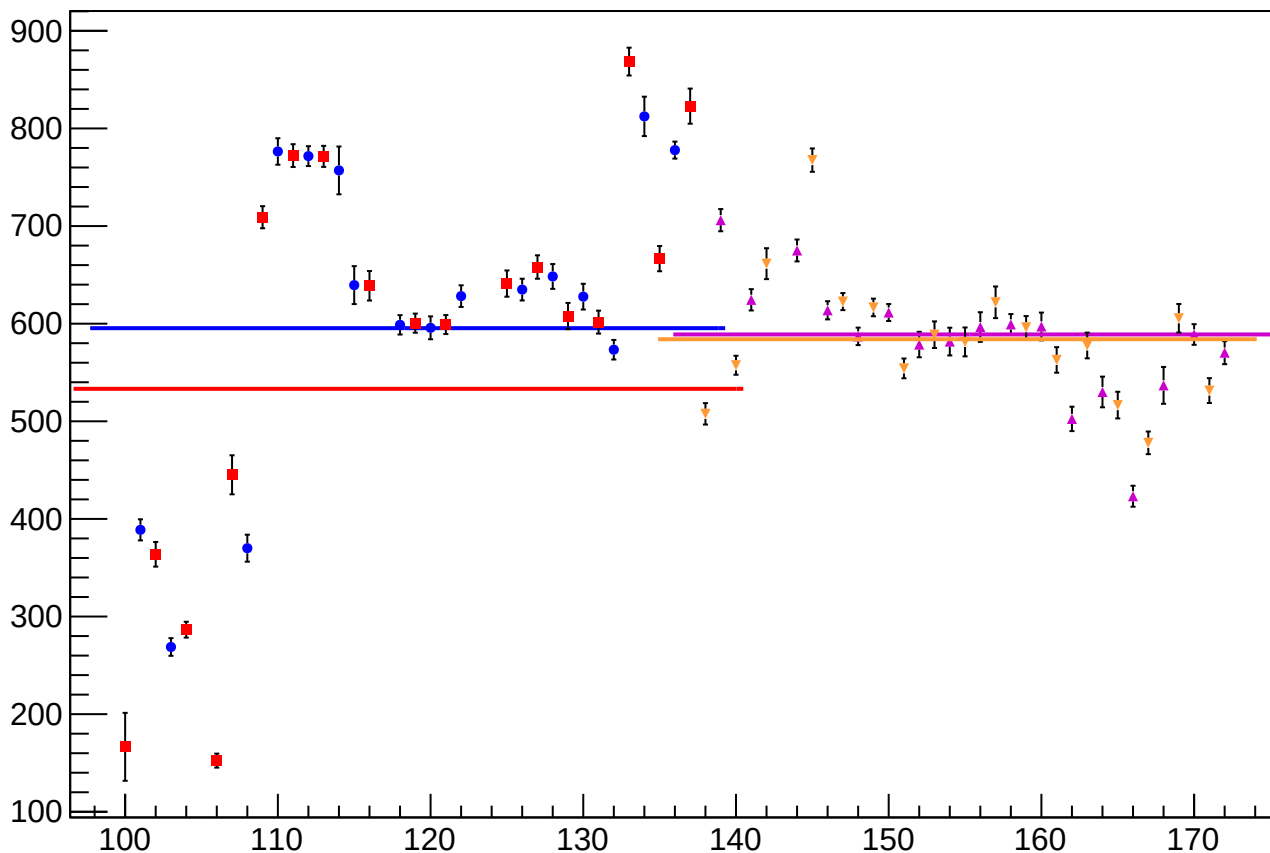
Left In: 16.947 $\pm$ 1.949 χ^2 /NDF:250.9/16

+ sign 17.576 $\pm$ 1.572 χ^2 /NDF: 364.9/32

All: 17.969 $\pm$ 1.103 χ^2 /NDF: 775.2/67

- sign 18.351 $\pm$ 1.548 χ^2 /NDF: 410.2/34

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 595.406 ± 2.930 χ^2/NDF : 3059.7/15

Left Out: 584.074 ± 2.869 χ^2/NDF : 493.3/16

Right Out: 533.283 ± 2.746 χ^2/NDF : 6502.9/17

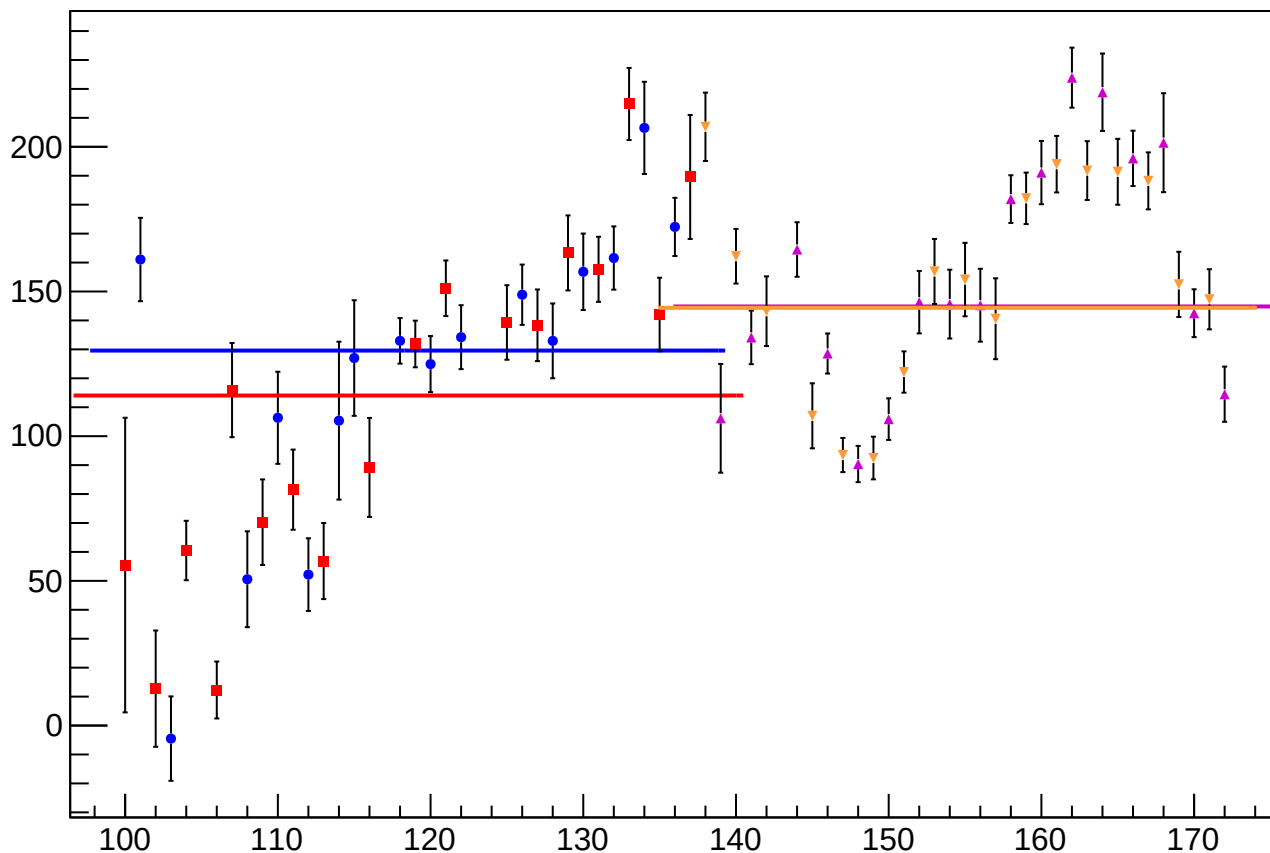
Left In: 588.975 ± 2.790 χ^2/NDF : 502.5/16

+ sign 589.621 ± 2.050 χ^2/NDF : 3560.6/32

All: 574.486 ± 1.415 χ^2/NDF : 10872.7/67

- sign 560.688 ± 1.957 χ^2/NDF : 7207.8/34

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 129.586 ± 3.081 χ^2/NDF : 211.2/15

Left Out: 144.355 ± 2.312 χ^2/NDF : 281.1/16

Right Out: 114.048 ± 2.976 χ^2/NDF : 335.9/17

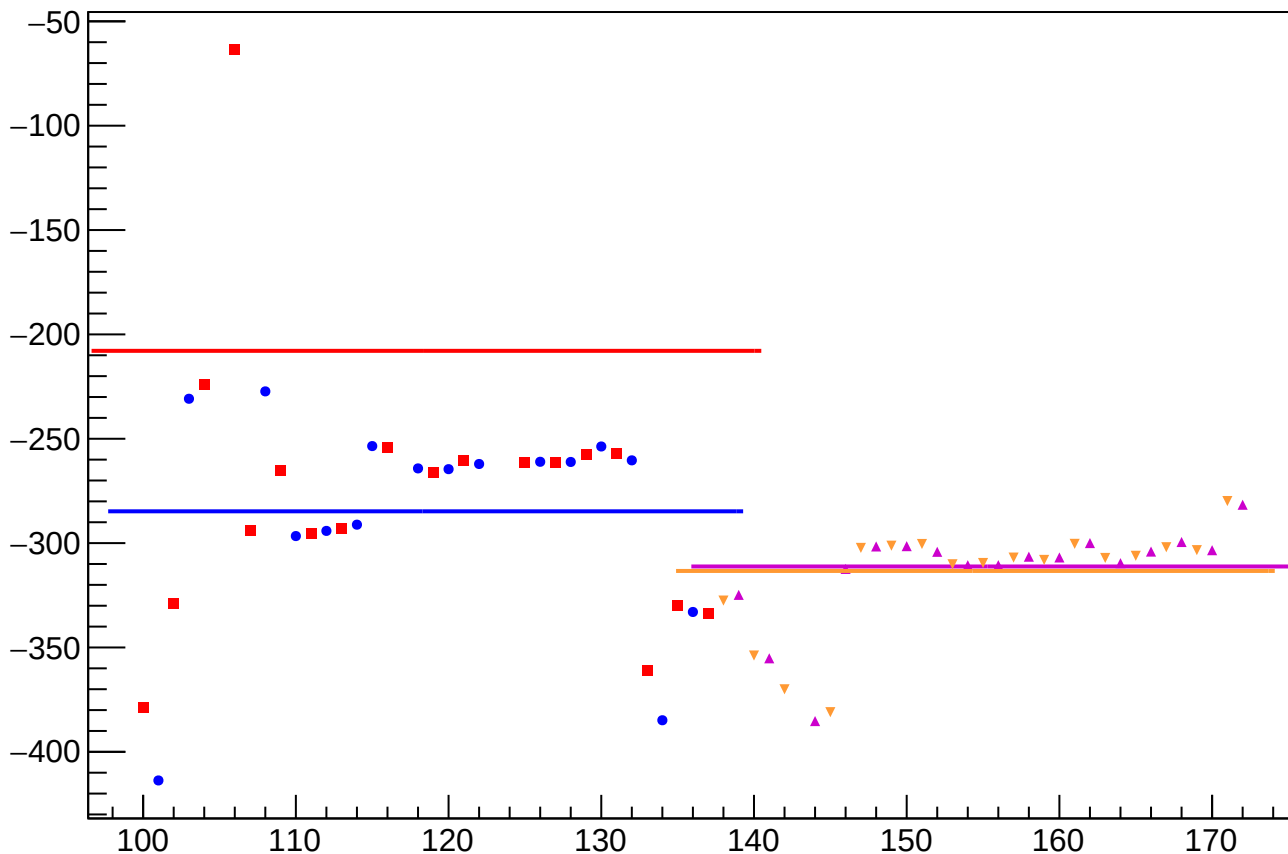
Left In: 144.825 ± 2.286 χ^2/NDF : 297.0/16

+ sign 139.034 ± 1.849 χ^2/NDF : 507.0/32

All: 136.163 ± 1.295 χ^2/NDF : 1212.0/67

- sign 133.405 ± 1.813 χ^2/NDF : 700.2/34

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



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

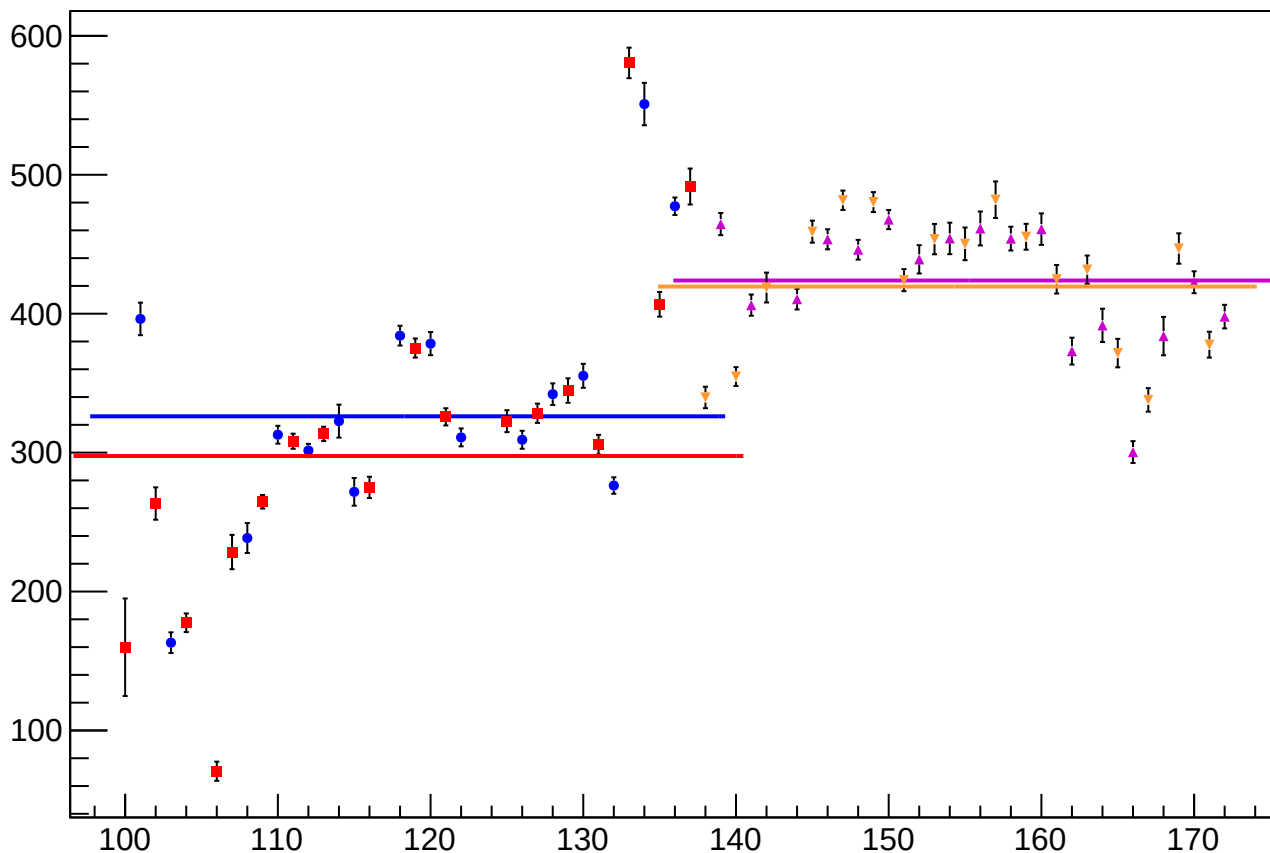
Left In: -311.193+/-0.105 χ^2/NDF : 41417.8/16

+ sign -305.442+/-0.093 χ^2/NDF : 172484.4/32

All: -289.888+/-0.063 χ^2/NDF : 1122824.9/67

- sign -276.667+/-0.086 χ^2/NDF : 898952.4/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 326.133 $\pm$ 1.857 χ^2 /NDF: 1642.9/15

Left Out: 419.545 $\pm$ 2.160 χ^2 /NDF: 571.4/16

Right Out: 297.538 $\pm$ 1.735 χ^2 /NDF: 2775.4/17

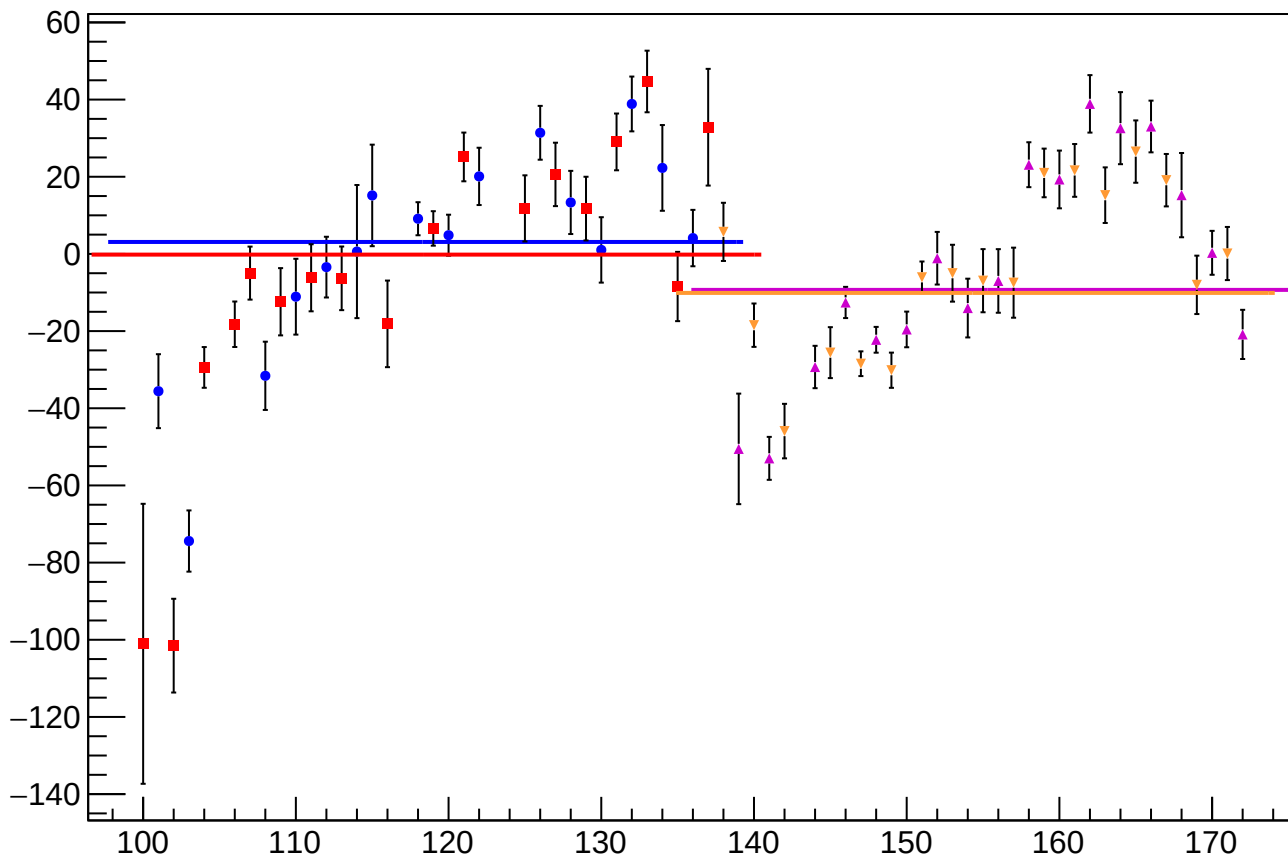
Left In: 423.900 $\pm$ 2.105 χ^2 /NDF: 442.7/16

+ sign 365.828 $\pm$ 1.408 χ^2 /NDF: 3289.9/32

All: 356.795 $\pm$ 0.970 χ^2 /NDF: 8732.1/67

- sign 348.629 $\pm$ 1.339 χ^2 /NDF: 5363.8/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



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

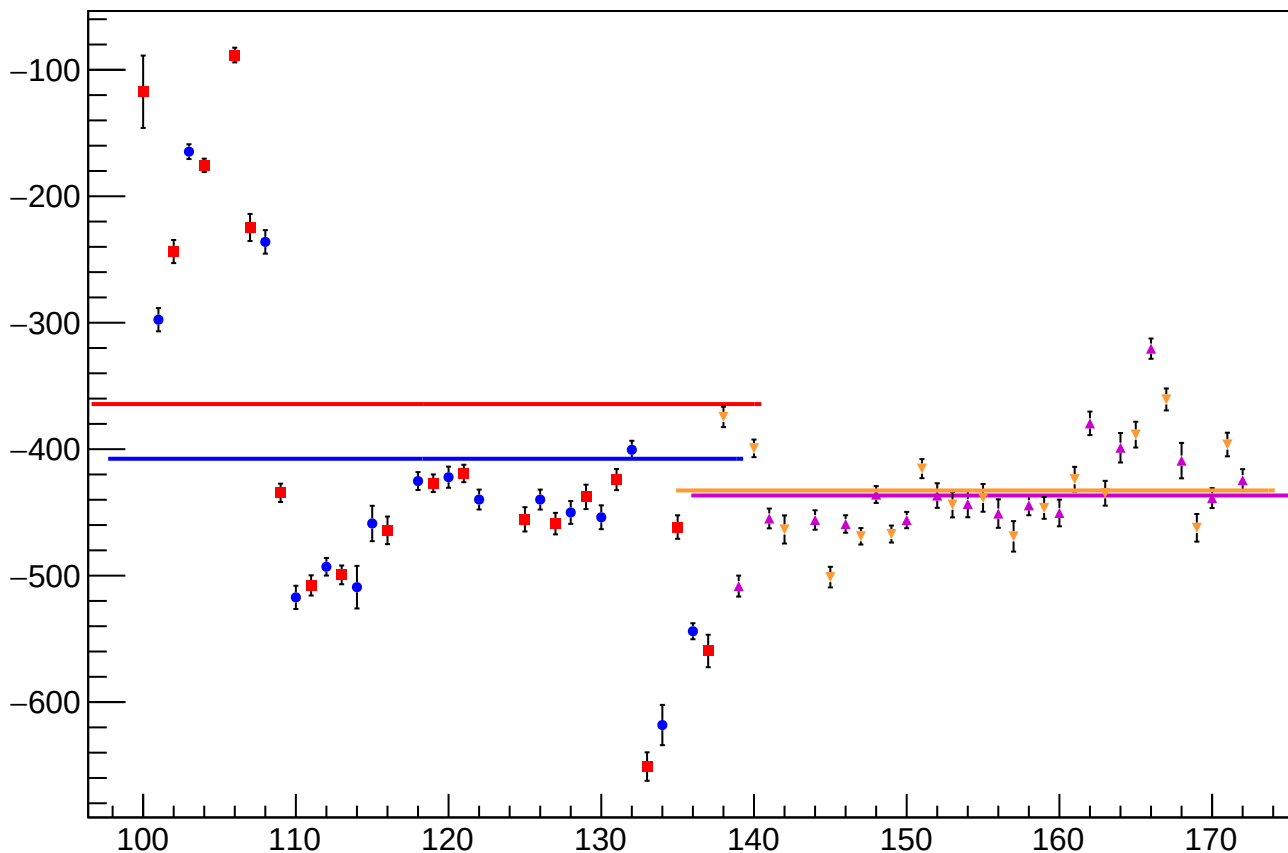
Left In: -9.322 ± 1.437 χ^2/NDF : 264.4/16

+ sign -5.273 ± 1.144 χ^2/NDF : 406.6/32

All: -5.513 ± 0.801 χ^2/NDF : 892.1/67

- sign -5.742 ± 1.121 χ^2/NDF : 485.4/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -407.575 ± 2.074 $\chi^2/\text{NDF}: 3280.5/15$

Left Out: -432.628 ± 2.109 $\chi^2/\text{NDF}: 340.3/16$

Right Out: -364.323 ± 1.942 $\chi^2/\text{NDF}: 6220.4/17$

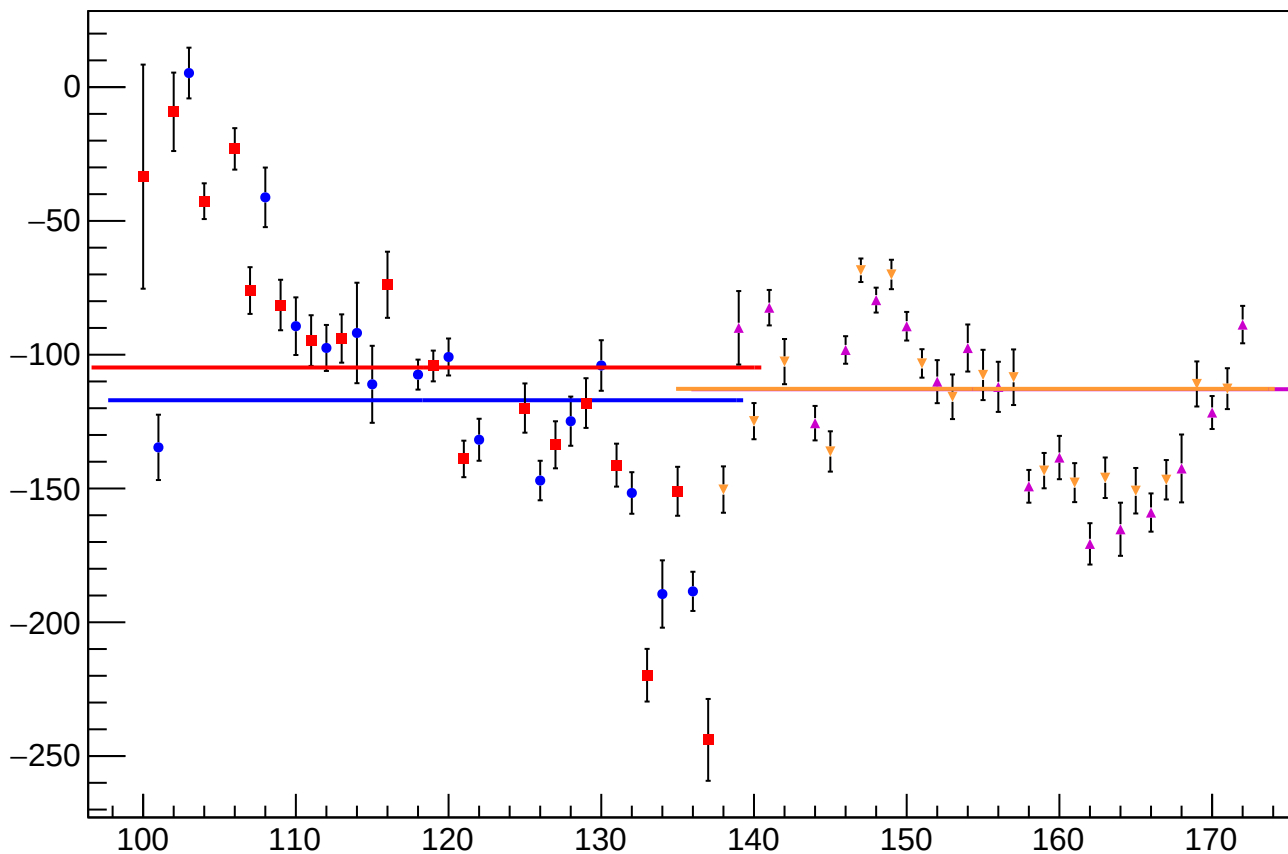
Left In: -436.625 ± 2.054 $\chi^2/\text{NDF}: 374.5/16$

+ sign -419.891 ± 1.479 $\chi^2/\text{NDF}: 3692.6/32$

All: -408.677 ± 1.021 $\chi^2/\text{NDF}: 11051.6/67$

- sign -398.463 ± 1.411 $\chi^2/\text{NDF}: 7249.1/34$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -117.021 $\pm$ 2.194 χ^2 /NDF: 407.8/15

Left Out: -112.760 $\pm$ 1.703 χ^2 /NDF:304.3/16

Right Out: -104.780 $\pm$ 2.091 χ^2 /NDF: 575.1/17

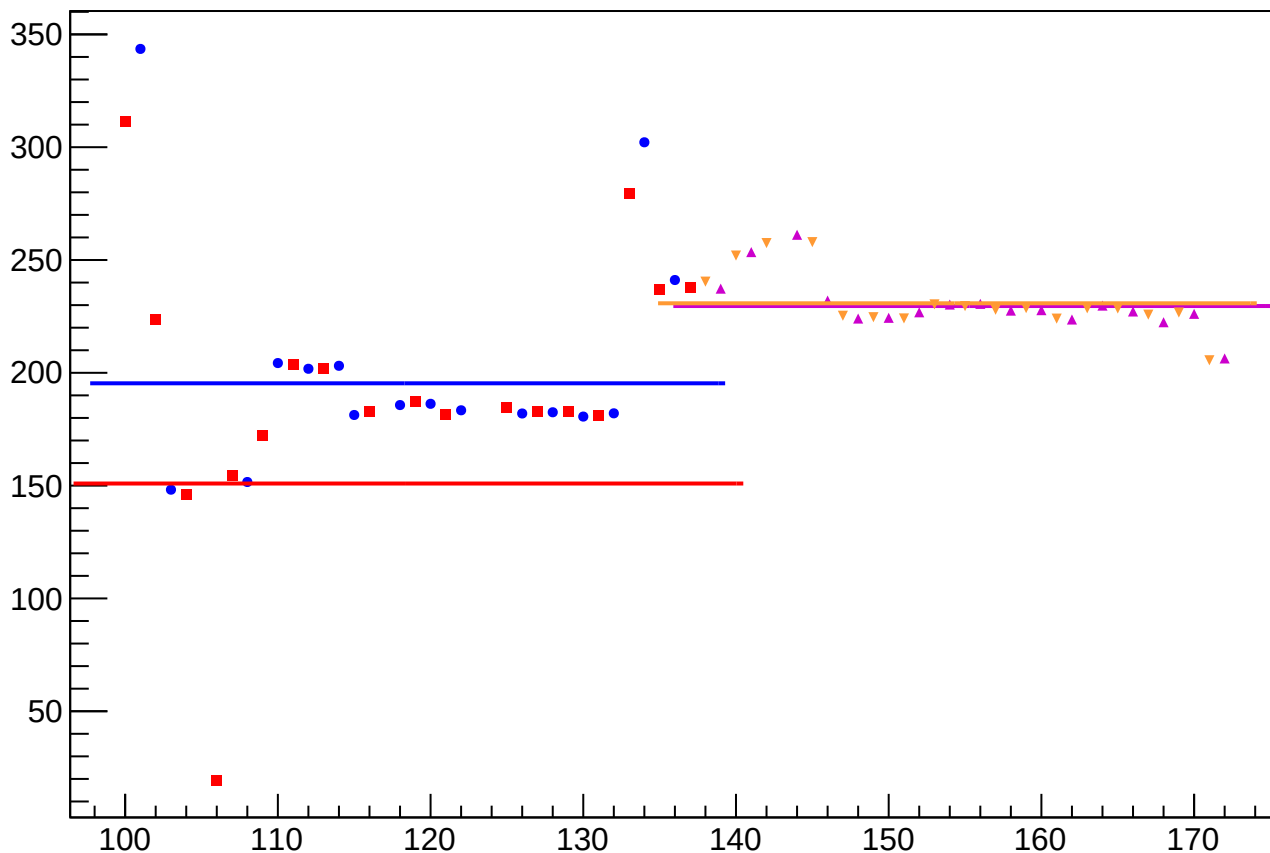
Left In: -112.902 $\pm$ 1.685 χ^2 /NDF:299.5/16

+ sign -114.362 $\pm$ 1.346 χ^2 /NDF: 714.4/32

All: -111.974 $\pm$ 0.939 χ^2 /NDF: 1604.3/67

- sign -109.704 $\pm$ 1.312 χ^2 /NDF: 883.7/34

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



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

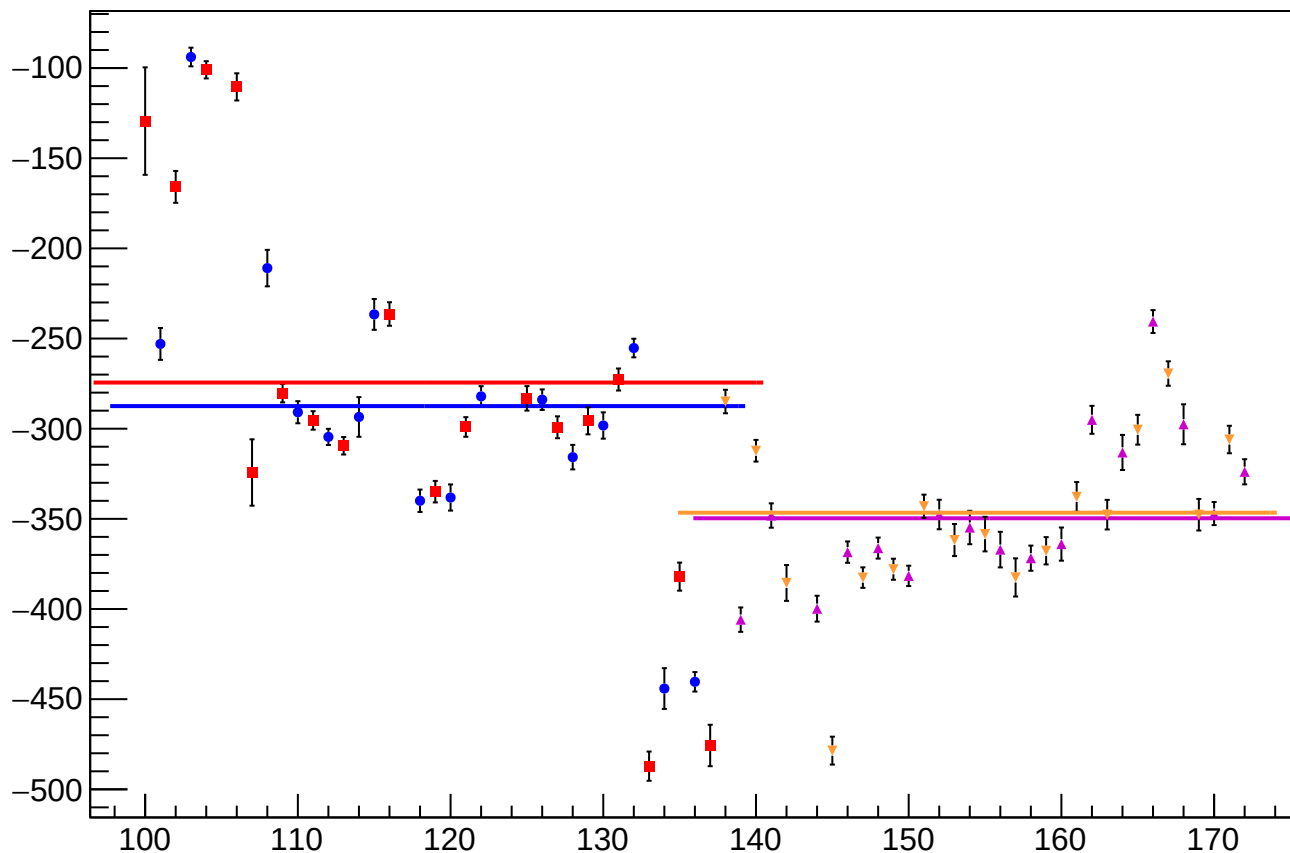
Left In: 229.601 +/- 0.078 χ^2/NDF : 22626.1/16

+ sign 220.327 +/- 0.068 χ^2/NDF : 258747.0/32

All: 211.341 +/- 0.046 χ^2/NDF : 1154010.8/67

- sign 203.448 +/- 0.064 χ^2/NDF : 862244.8/34

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -287.476+/-1.611 χ^2/NDF : 2696.5/15

Left Out: -346.577+/-1.800 χ^2/NDF : 711.7/16

Right Out: -274.417+/-1.551 χ^2/NDF : 3413.4/17

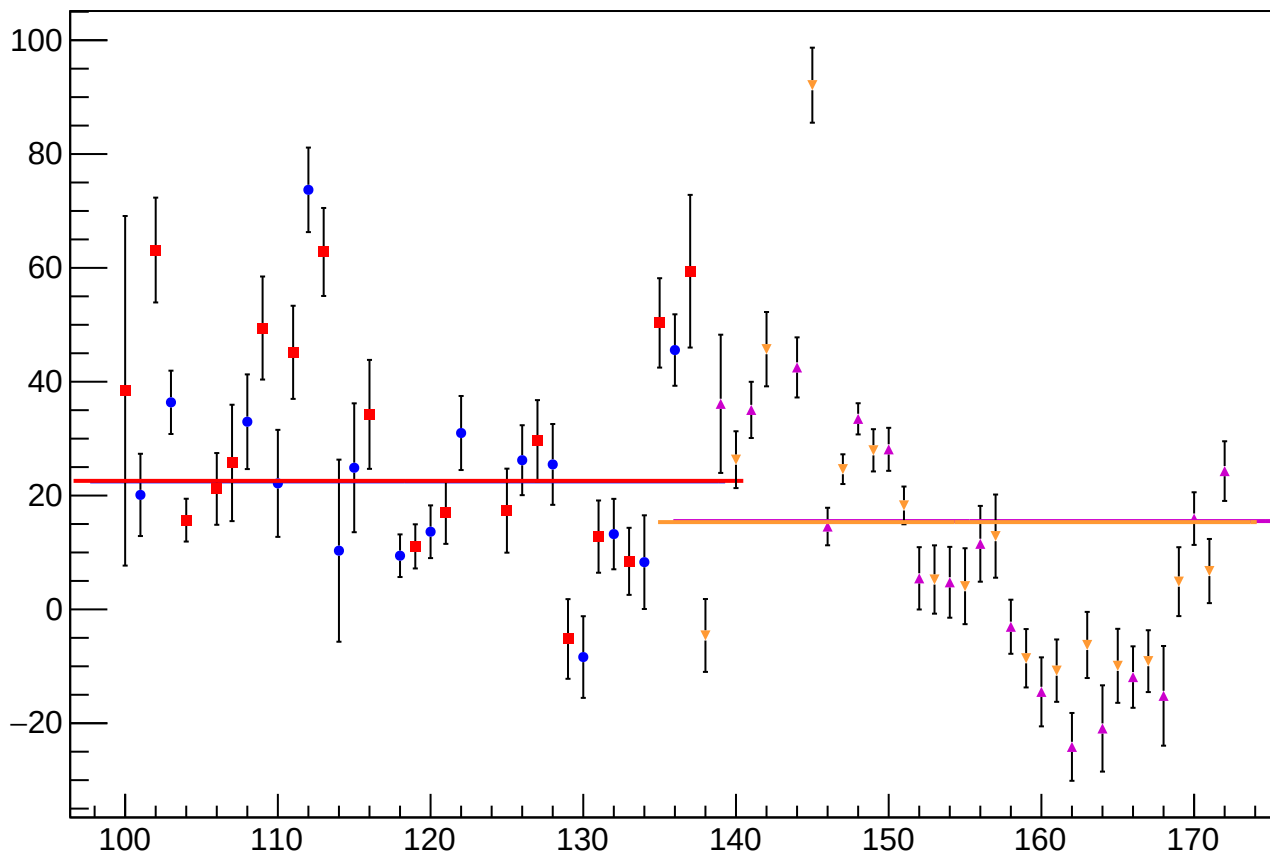
Left In: -349.673+/-1.749 χ^2/NDF : 580.0/16

+ sign -313.769+/-1.200 χ^2/NDF : 4006.8/32

All: -310.559+/-0.834 χ^2/NDF : 9050.3/67

- sign -307.560+/-1.161 χ^2/NDF : 5029.7/34

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.492 $\pm$ 1.621 χ^2 /NDF: 111.4/15

Left Out: 15.336 $\pm$ 1.189 χ^2 /NDF:301.4/16

Right Out: 22.580 $\pm$ 1.570 χ^2 /NDF: 123.3/17

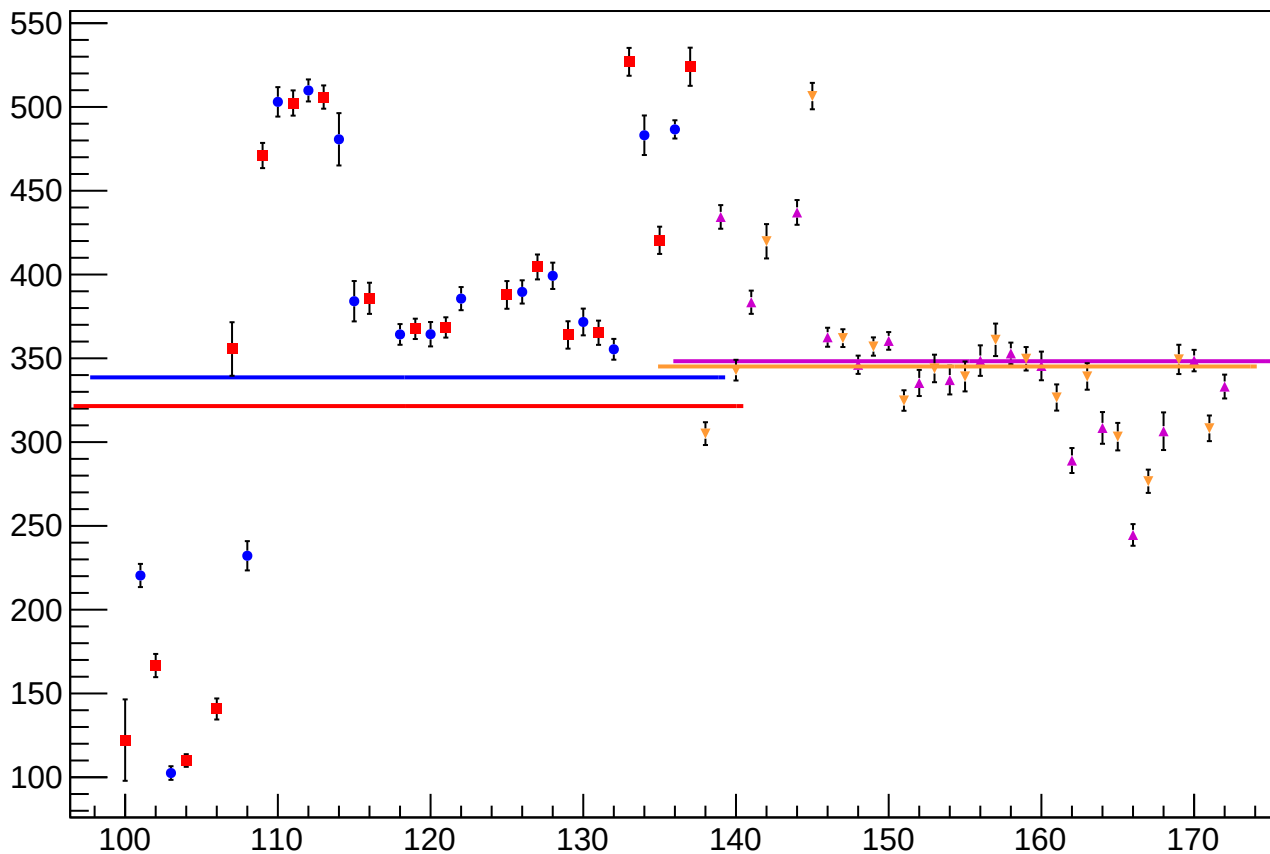
Left In: 15.519 $\pm$ 1.188 χ^2 /NDF:253.6/16

+ sign 17.840 $\pm$ 0.959 χ^2 /NDF: 425.5/32

All: 17.967 $\pm$ 0.674 χ^2 /NDF: 815.3/67

- sign 18.091 $\pm$ 0.947 χ^2 /NDF: 389.8/34

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 338.633 $\pm$ 1.748 χ^2 /NDF: 6042.6/15

Left Out: 345.135 $\pm$ 1.752 χ^2 /NDF: 690.2/16

Right Out: 321.500 $\pm$ 1.694 χ^2 /NDF: 7720.8/17

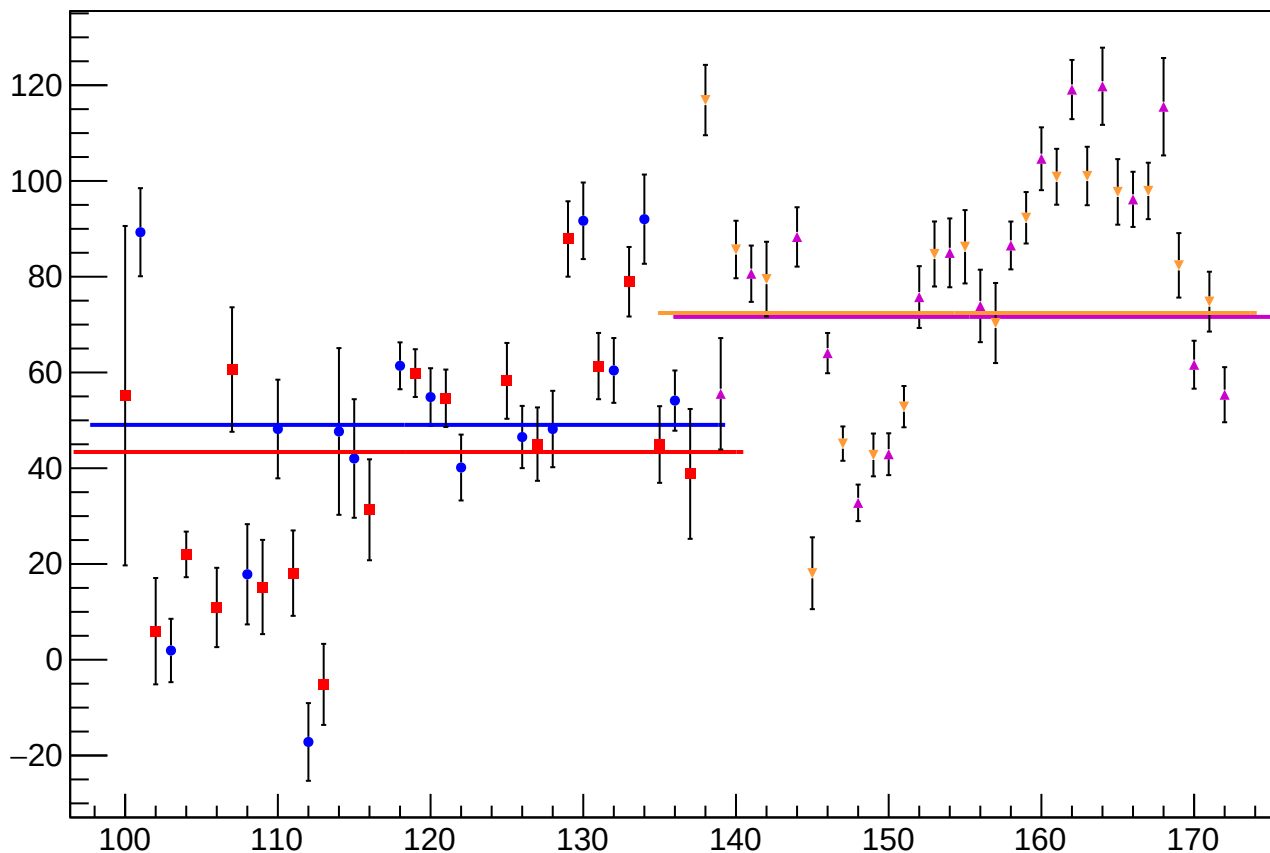
Left In: 348.273 $\pm$ 1.702 χ^2 /NDF: 692.8/16

+ sign 341.877 $\pm$ 1.238 χ^2 /NDF: 6739.7/32

All: 338.244 $\pm$ 0.862 χ^2 /NDF: 15294.3/67

- sign 334.825 $\pm$ 1.201 χ^2 /NDF: 8537.9/34

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 49.053 $\pm$ 1.882 χ^2 /NDF: 207.9/15

Left Out: 72.422 $\pm$ 1.409 χ^2 /NDF:318.1/16

Right Out: 43.392 $\pm$ 1.834 χ^2 /NDF: 180.0/17

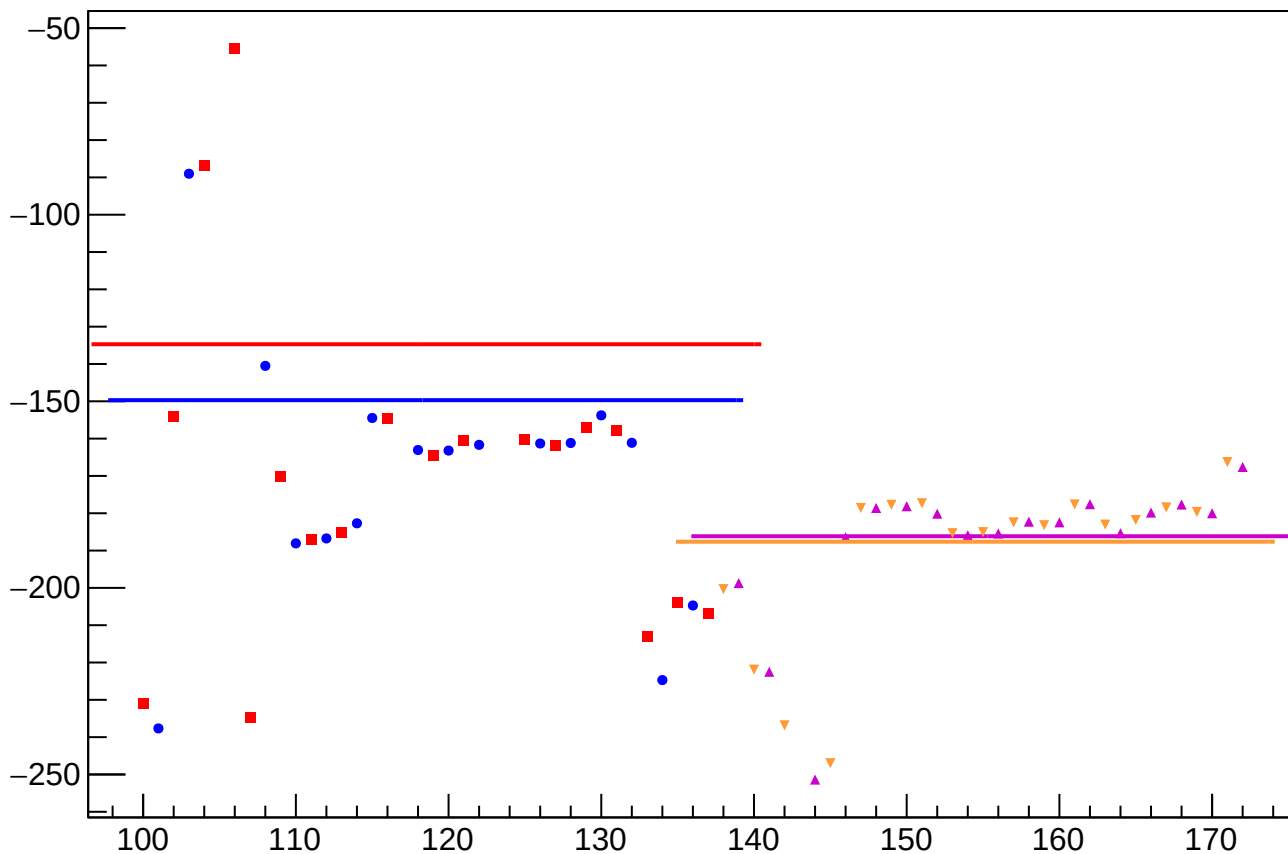
Left In: 71.606 $\pm$ 1.393 χ^2 /NDF:343.1/16

+ sign 64.032 $\pm$ 1.128 χ^2 /NDF: 624.8/32

All: 62.635 $\pm$ 0.791 χ^2 /NDF: 1301.0/67

- sign 61.284 $\pm$ 1.109 χ^2 /NDF: 673.2/34

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



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

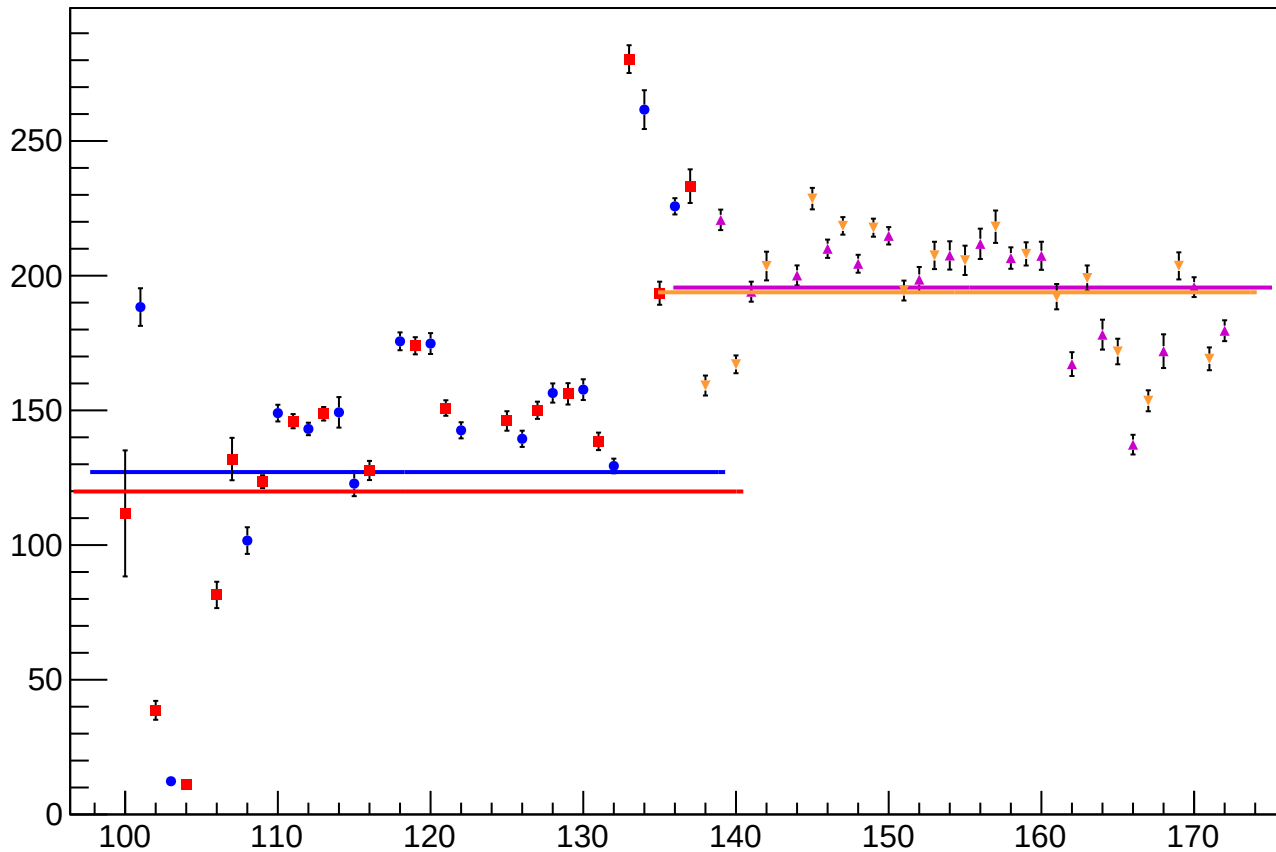
Left In: -186.161+/-0.064 χ^2/NDF : 69644.5/16

+ sign -176.057+/-0.056 χ^2/NDF : 438961.0/32

All: -173.166+/-0.039 χ^2/NDF : 1022087.9/67

- sign -170.495+/-0.054 χ^2/NDF : 577942.0/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 127.100 $\pm$ 0.811 χ^2 /NDF: 6163.2/15

Left Out: 193.828 $\pm$ 1.016 χ^2 /NDF: 547.5/16

Right Out: 119.886 $\pm$ 0.774 χ^2 /NDF: 6649.6/17

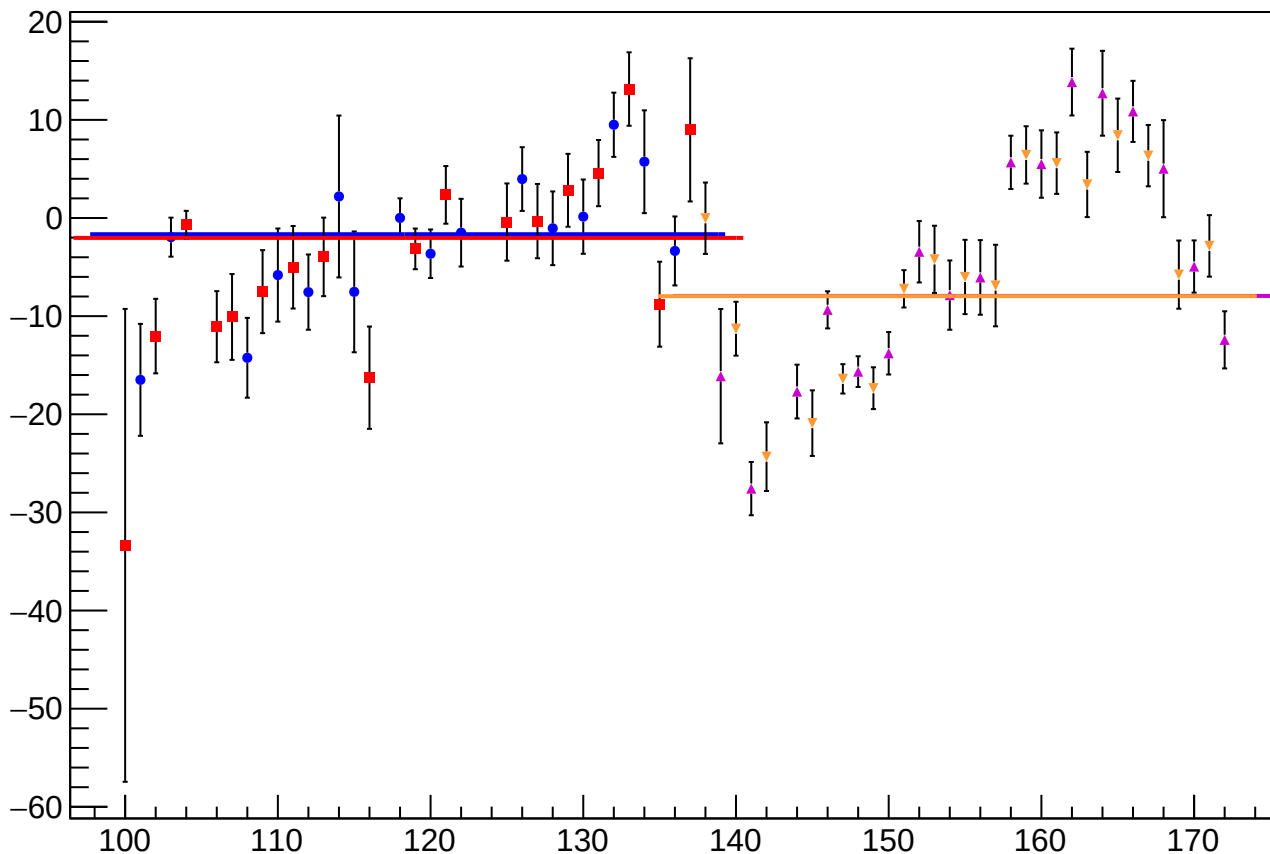
Left In: 195.595 $\pm$ 0.988 χ^2 /NDF: 469.5/16

+ sign 153.078 $\pm$ 0.634 χ^2 /NDF: 9347.5/32

All: 150.802 $\pm$ 0.439 χ^2 /NDF: 20130.4/67

- sign 148.697 $\pm$ 0.609 χ^2 /NDF: 10758.1/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



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

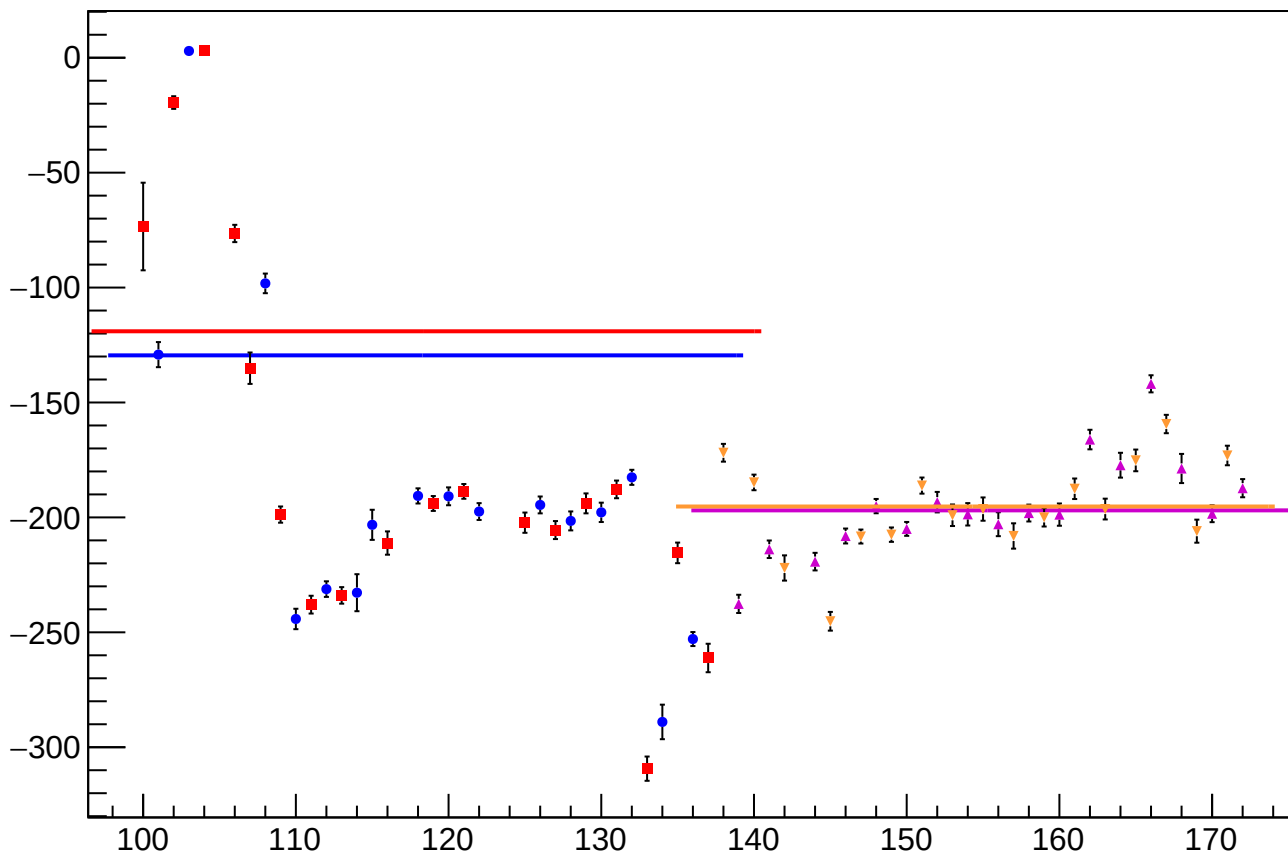
Left In: -7.939 ± 0.673 χ^2/NDF : 252.2/16

+ sign -5.468 ± 0.524 χ^2/NDF : 267.6/32

All: -5.422 ± 0.364 χ^2/NDF : 611.7/67

- sign -5.380 ± 0.507 χ^2/NDF : 344.1/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -129.497+/-0.846 χ^2/NDF : 14687.9/15

Left Out: -195.260+/-0.990 χ^2/NDF : 401.7/16

Right Out: -119.022+/-0.813 χ^2/NDF : 16177.3/17

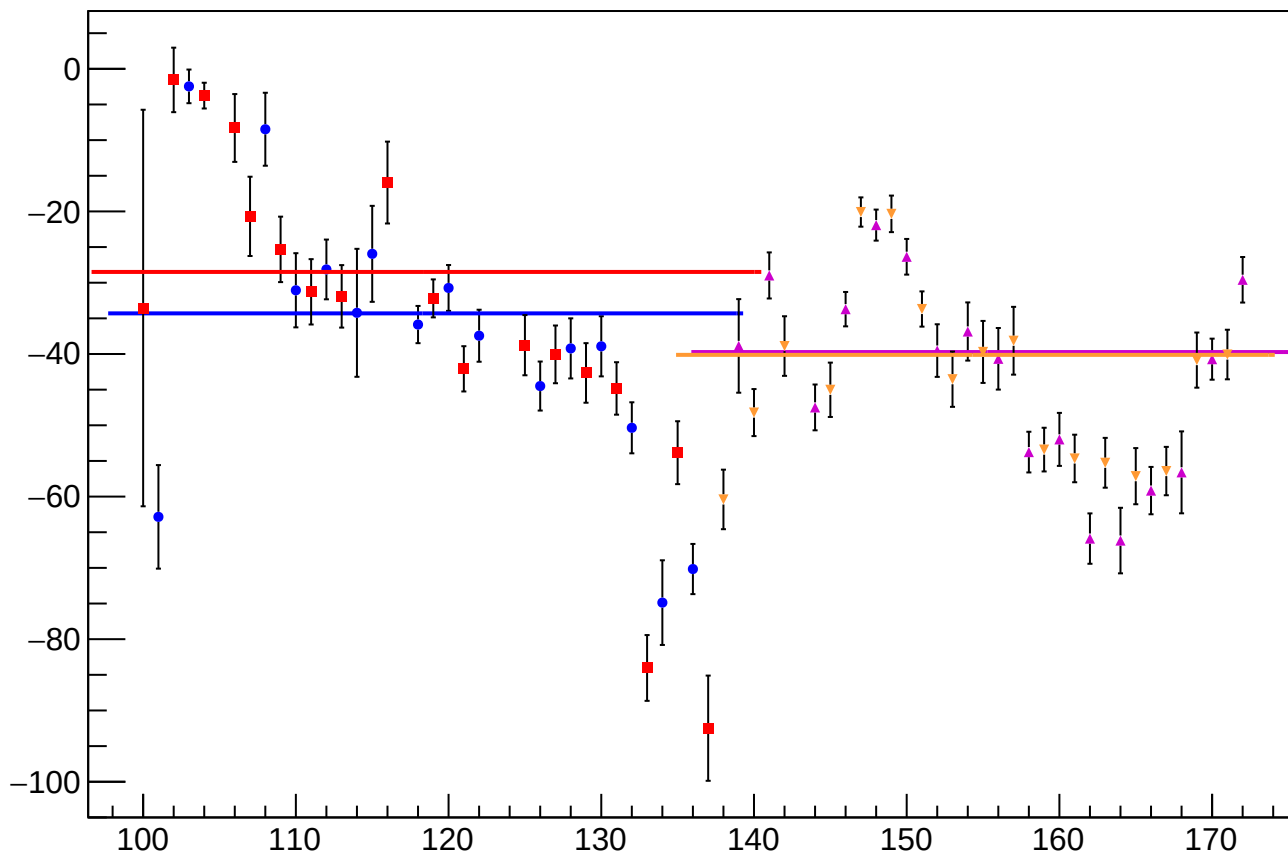
Left In: -196.939+/-0.962 χ^2/NDF : 479.2/16

+ sign -157.268+/-0.643 χ^2/NDF : 17638.9/32

All: -154.260+/-0.447 χ^2/NDF : 38163.0/67

- sign -151.457+/-0.621 χ^2/NDF : 20481.9/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



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

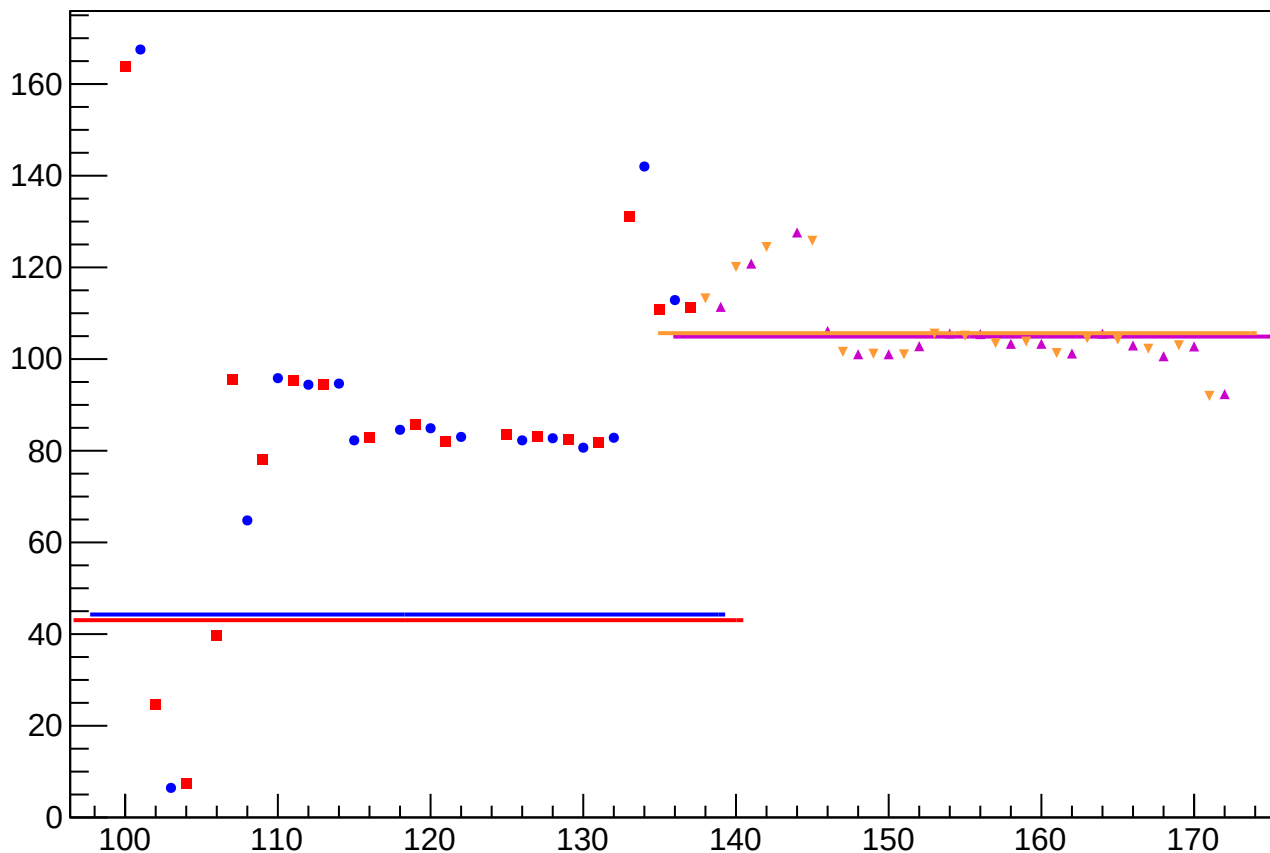
Left In: -39.726 ± 0.789 χ^2/NDF : 295.1/16

+ sign -37.765 ± 0.616 χ^2/NDF : 724.9/32

All: -36.277 ± 0.428 χ^2/NDF : 1686.8/67

- sign -34.886 ± 0.595 χ^2/NDF : 950.5/34

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



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

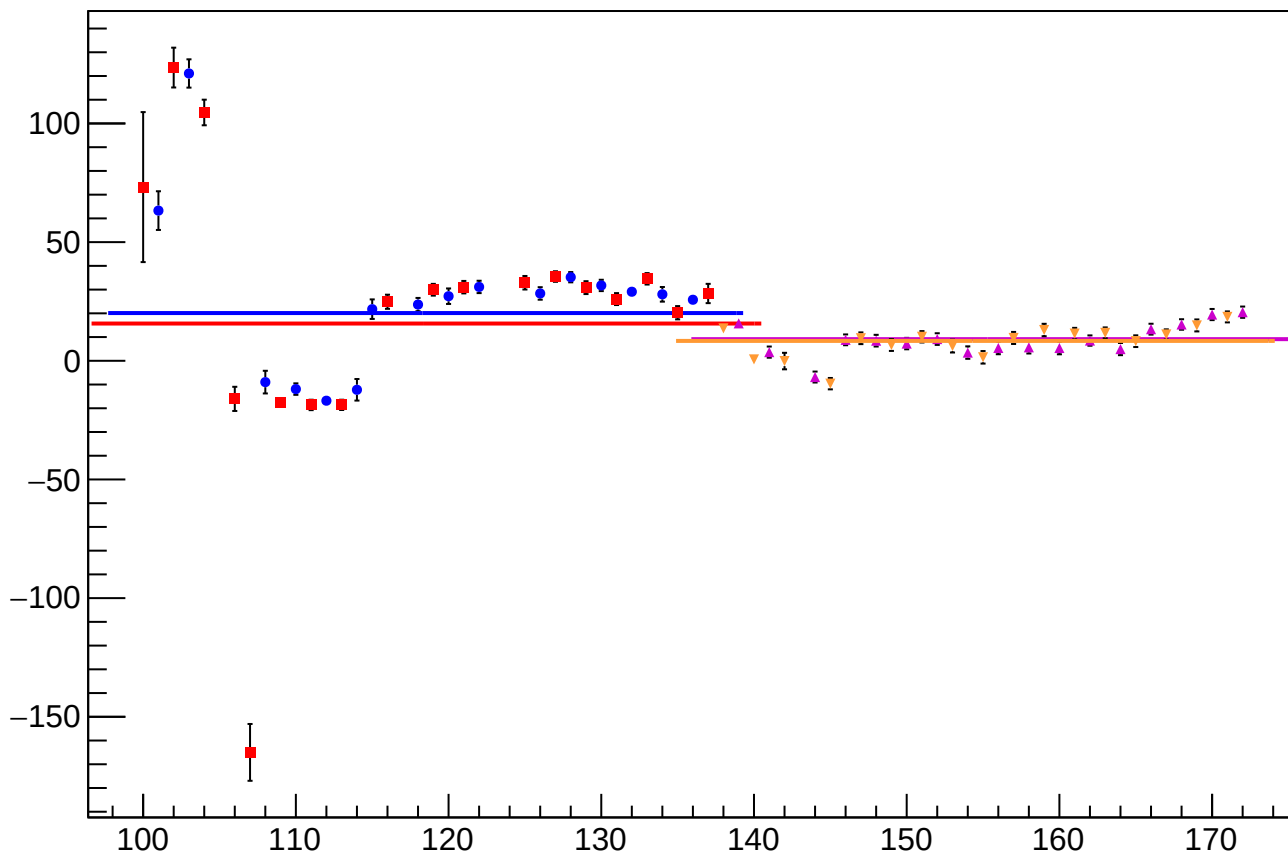
Left In: 104.906+/-0.036 χ^2/NDF : 42483.3/16

+ sign 80.234+/-0.029 χ^2/NDF : 2226102.2/32

All: 80.373+/-0.020 χ^2/NDF : 4216817.0/67

- sign 80.506+/-0.028 χ^2/NDF : 1990669.5/34

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 20.117 ± 0.687 $\chi^2/\text{NDF}: 1048.1/15$

Left Out: 8.380 ± 0.589 $\chi^2/\text{NDF}: 126.1/16$

Right Out: 15.700 ± 0.682 $\chi^2/\text{NDF}: 1773.8/17$

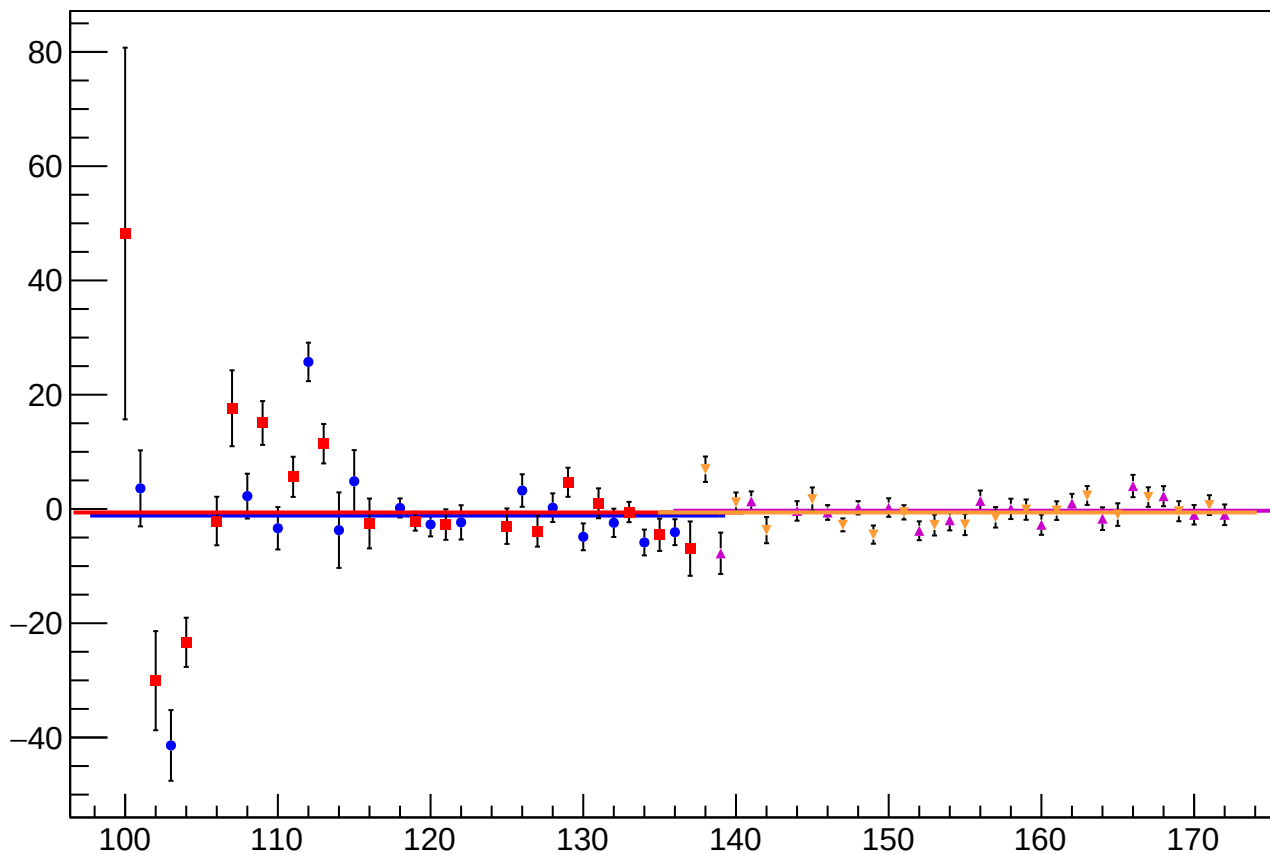
Left In: 9.121 ± 0.577 $\chi^2/\text{NDF}: 131.4/16$

+ sign 13.353 ± 0.447 $\chi^2/\text{NDF}: 1342.4/32$

All: 12.598 ± 0.314 $\chi^2/\text{NDF}: 3307.5/67$

- sign 11.866 ± 0.441 $\chi^2/\text{NDF}: 1959.5/34$

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



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

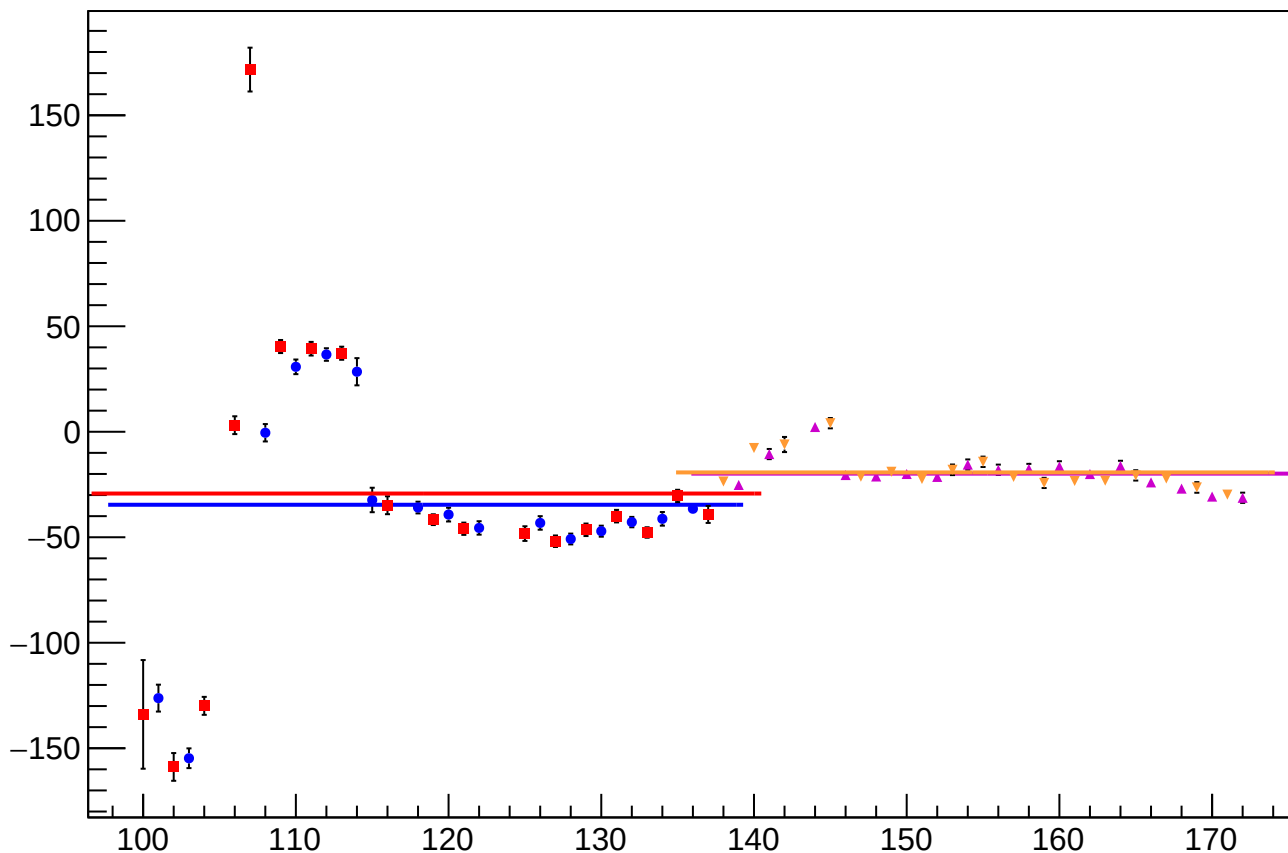
Left In: -0.307 ± 0.411 χ^2/NDF : 22.1/16

+ sign -0.744 ± 0.353 χ^2/NDF : 156.9/32

All: -0.565 ± 0.251 χ^2/NDF : 273.0/67

- sign -0.383 ± 0.356 χ^2/NDF : 115.6/34

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -34.598 ± 0.786 χ^2/NDF : 2058.4/15

Left Out: -19.273 ± 0.575 χ^2/NDF : 187.1/16

Right Out: -29.277 ± 0.800 χ^2/NDF : 3081.1/17

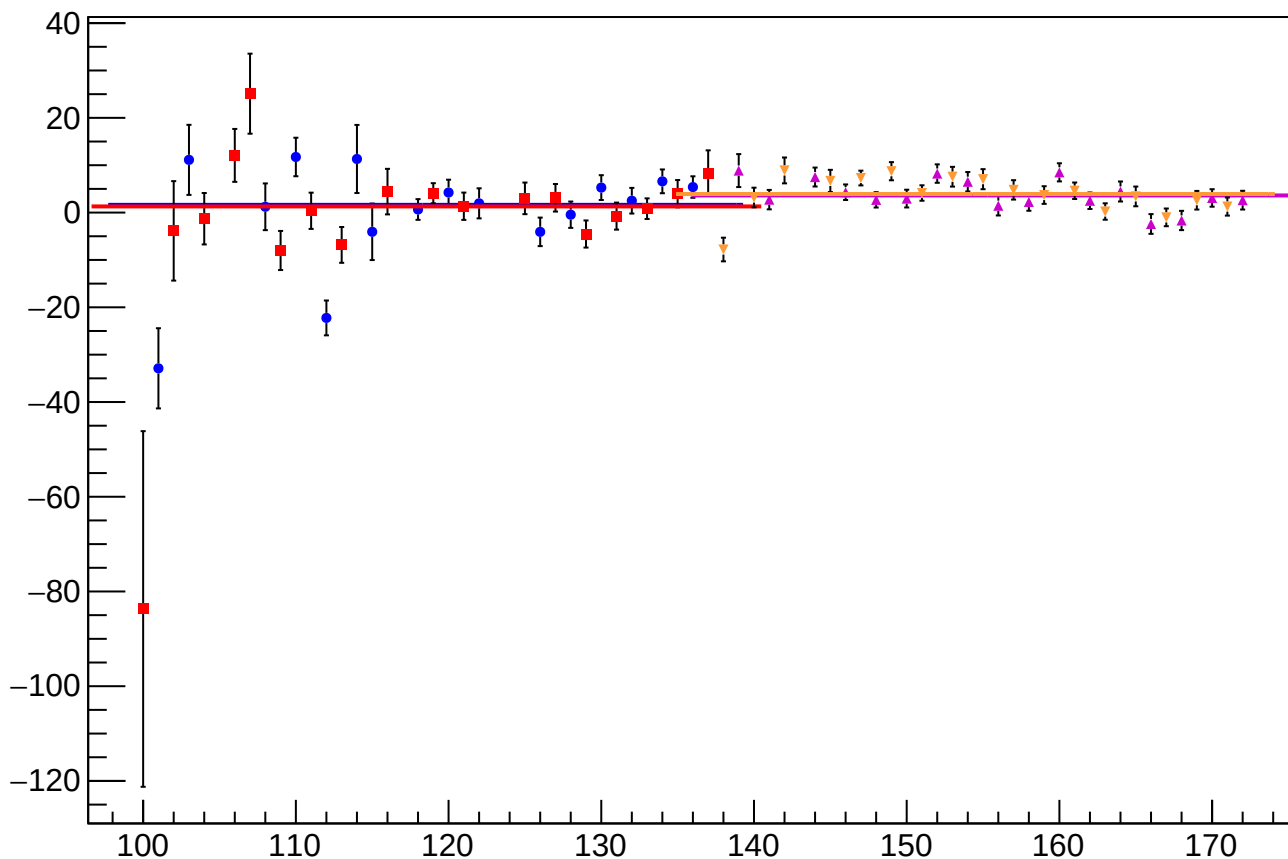
Left In: -19.846 ± 0.564 χ^2/NDF : 174.2/16

+ sign -24.615 ± 0.464 χ^2/NDF : 2493.1/32

All: -23.789 ± 0.327 χ^2/NDF : 5847.5/67

- sign -22.975 ± 0.461 χ^2/NDF : 3348.2/34

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



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

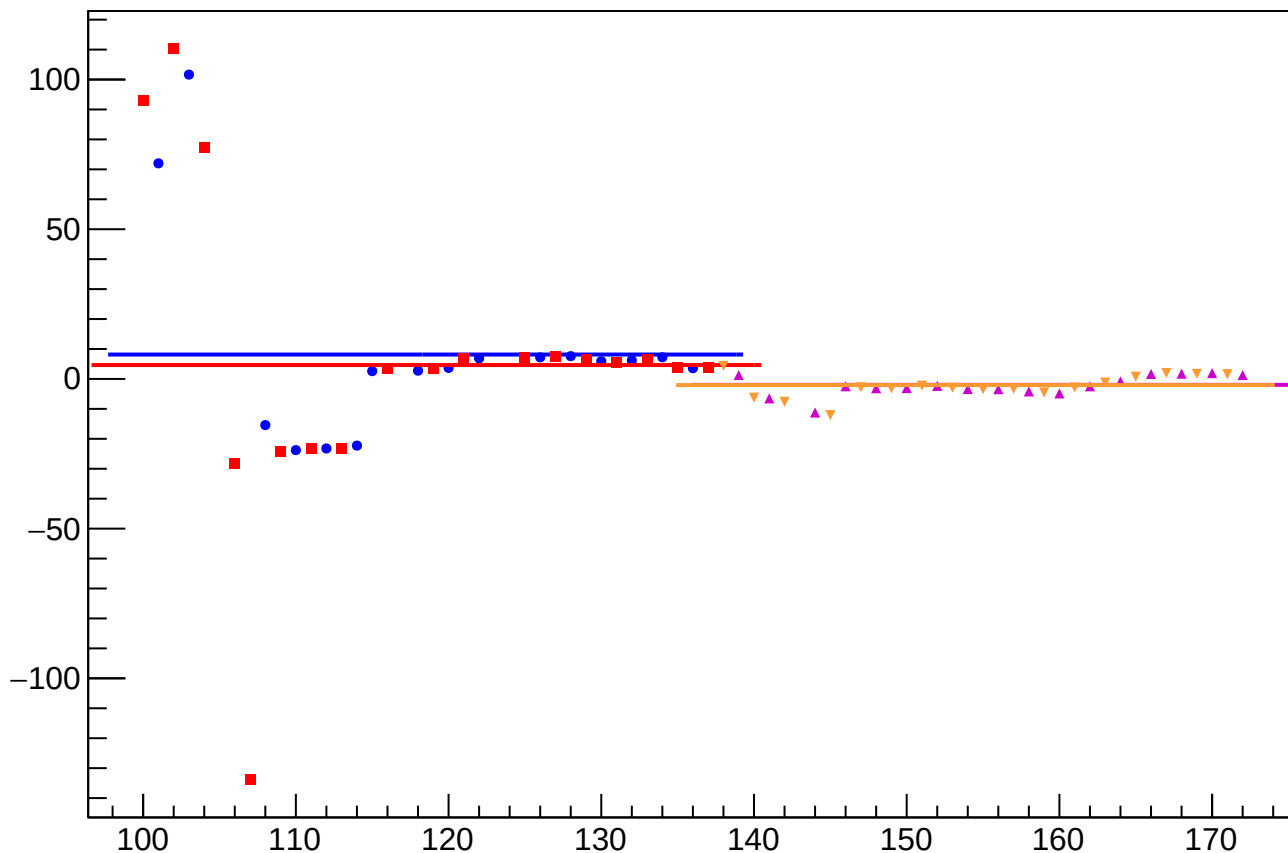
Left In: 3.615 ± 0.473 χ^2/NDF : 38.7/16

+ sign 3.320 ± 0.407 χ^2/NDF : 146.8/32

All: 3.177 ± 0.288 χ^2/NDF : 229.3/67

- sign 3.033 ± 0.409 χ^2/NDF : 82.2/34

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 8.146 $\pm$ 0.048 χ^2 /NDF: 313350.7/15

Left Out: -2.057 $\pm$ 0.021 χ^2 /NDF: 29285.8/16

Right Out: 4.638 $\pm$ 0.052 χ^2 /NDF: 446805.7/17

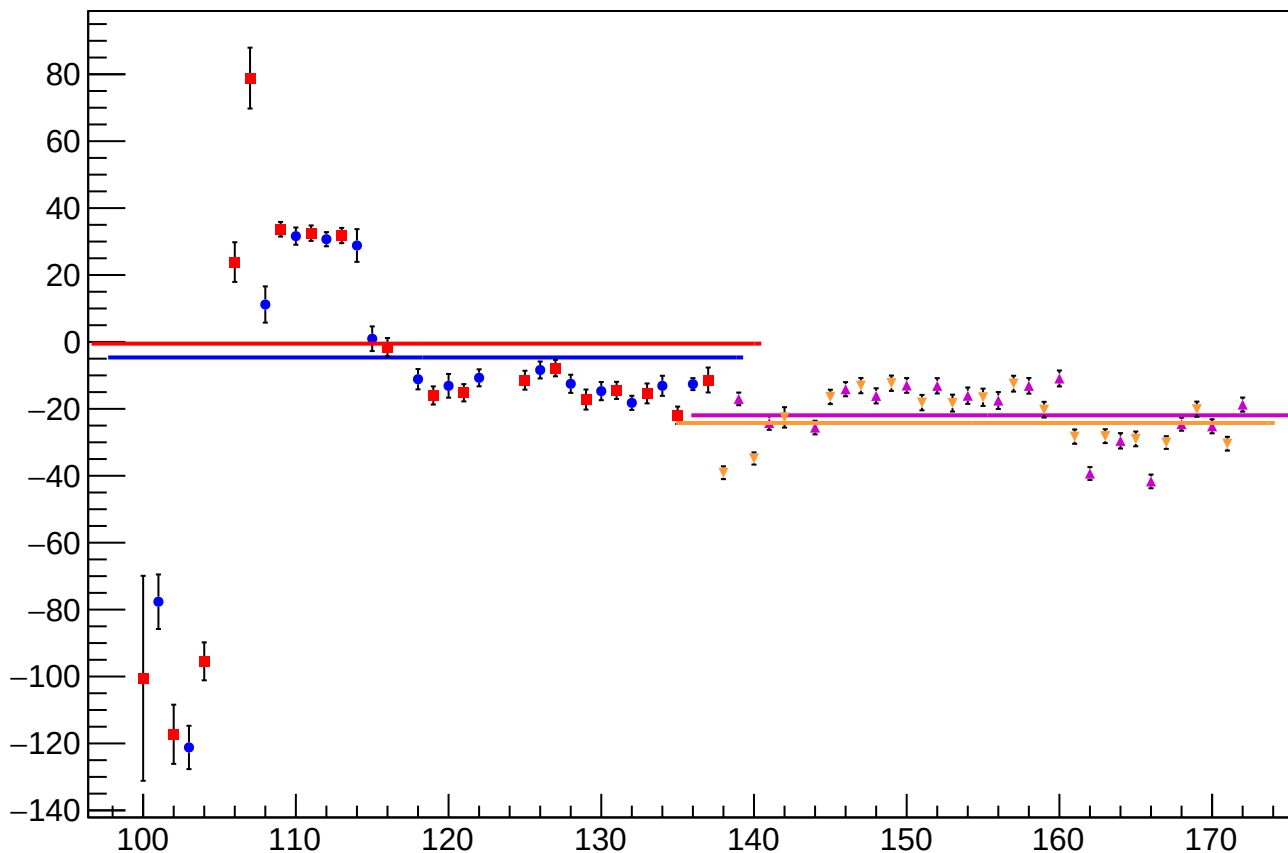
Left In: -1.984 $\pm$ 0.021 χ^2 /NDF: 22288.1/16

+ sign -0.398 $\pm$ 0.020 χ^2 /NDF: 379893.2/32

All: -0.732 $\pm$ 0.014 χ^2 /NDF: 863688.9/67

- sign -1.059 $\pm$ 0.019 χ^2 /NDF: 483216.7/34

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



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

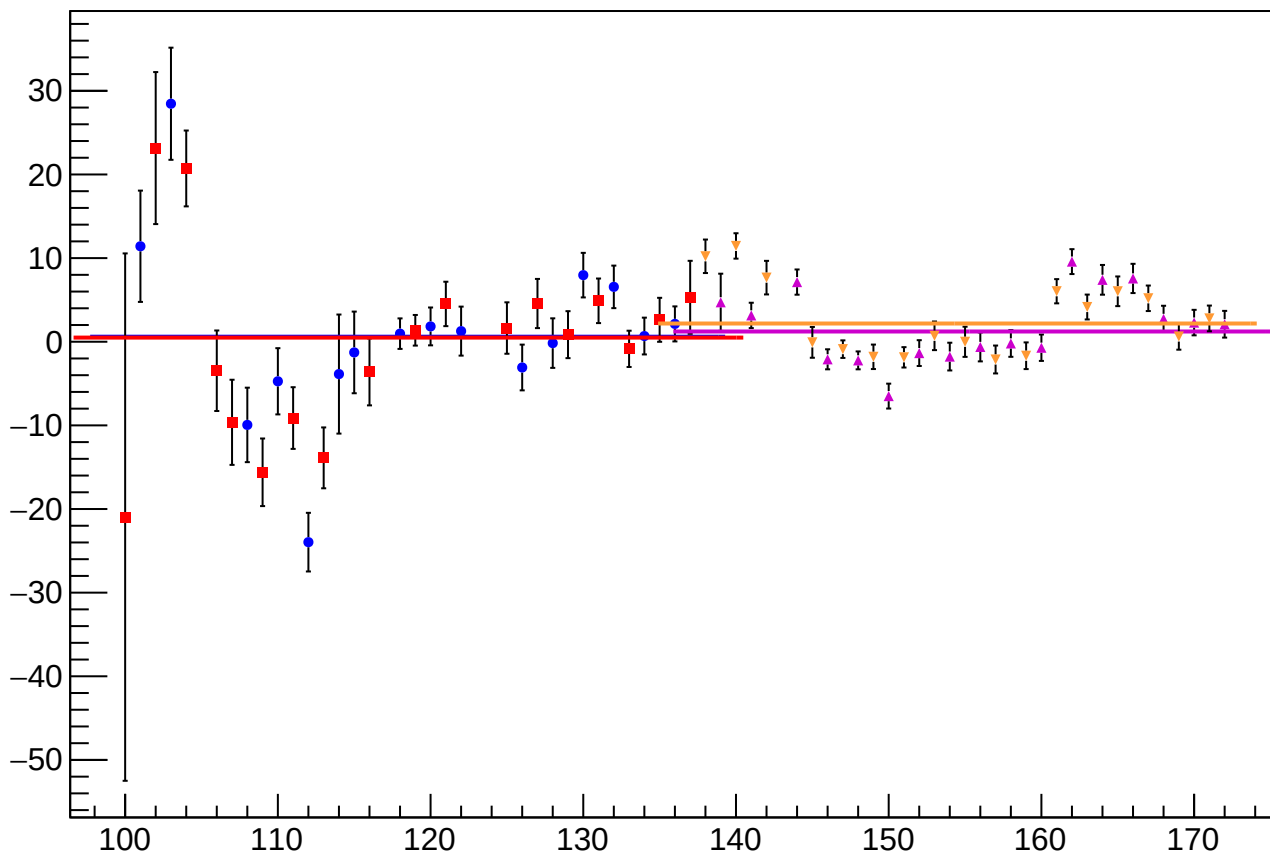
Left In: -21.929 ± 0.524 χ^2/NDF : 298.5/16

+ sign -17.141 ± 0.428 χ^2/NDF : 1769.9/32

All: -15.749 ± 0.300 χ^2/NDF : 4136.1/67

- sign -14.396 ± 0.422 χ^2/NDF : 2345.3/34

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



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

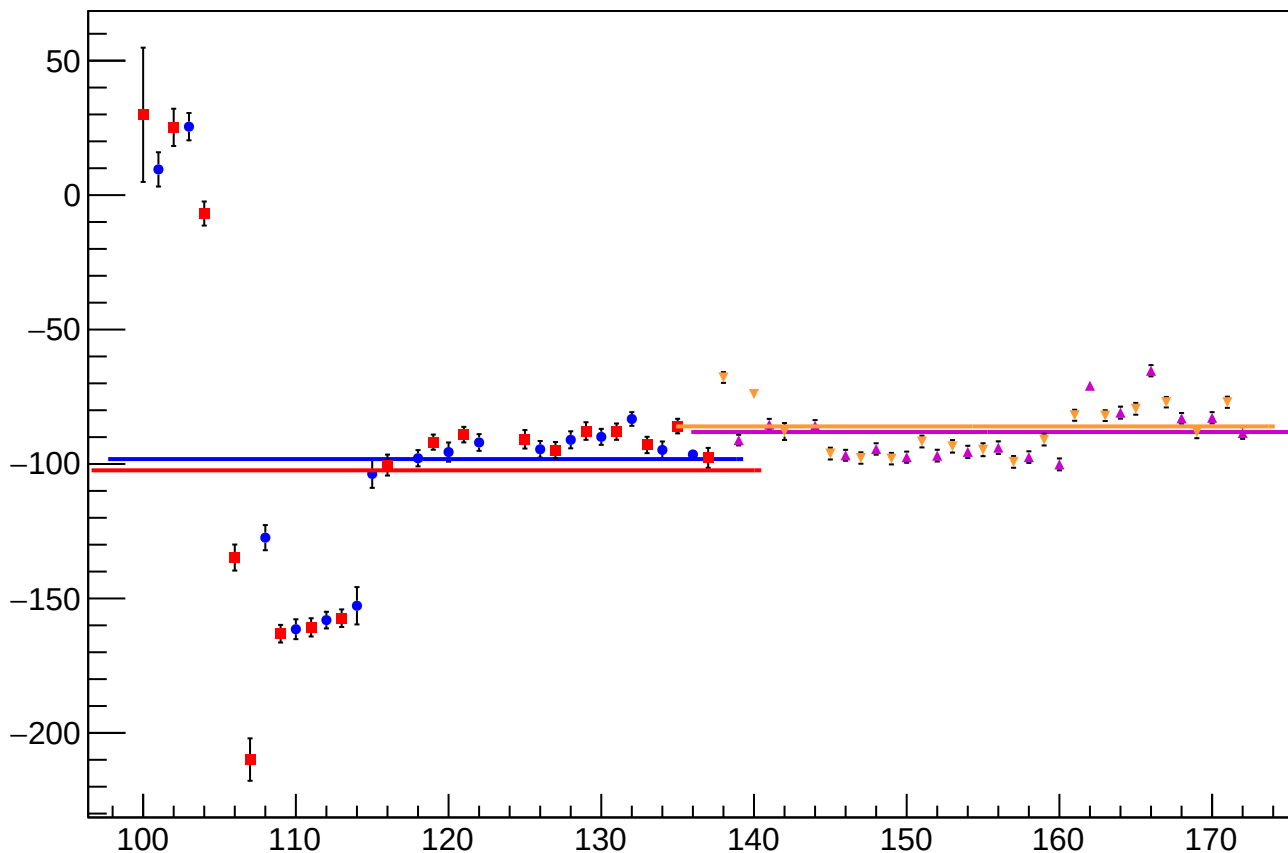
Left In: 1.225 ± 0.372 χ^2/NDF : 131.0/16

+ sign 1.851 ± 0.332 χ^2/NDF : 219.3/32

All: 1.469 ± 0.235 χ^2/NDF : 433.9/67

- sign 1.082 ± 0.334 χ^2/NDF : 211.9/34

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -98.168 ± 0.813 $\chi^2/\text{NDF}: 1699.9/15$

Left Out: -86.010 ± 0.523 $\chi^2/\text{NDF}: 336.4/16$

Right Out: -102.349 ± 0.837 $\chi^2/\text{NDF}: 2117.5/17$

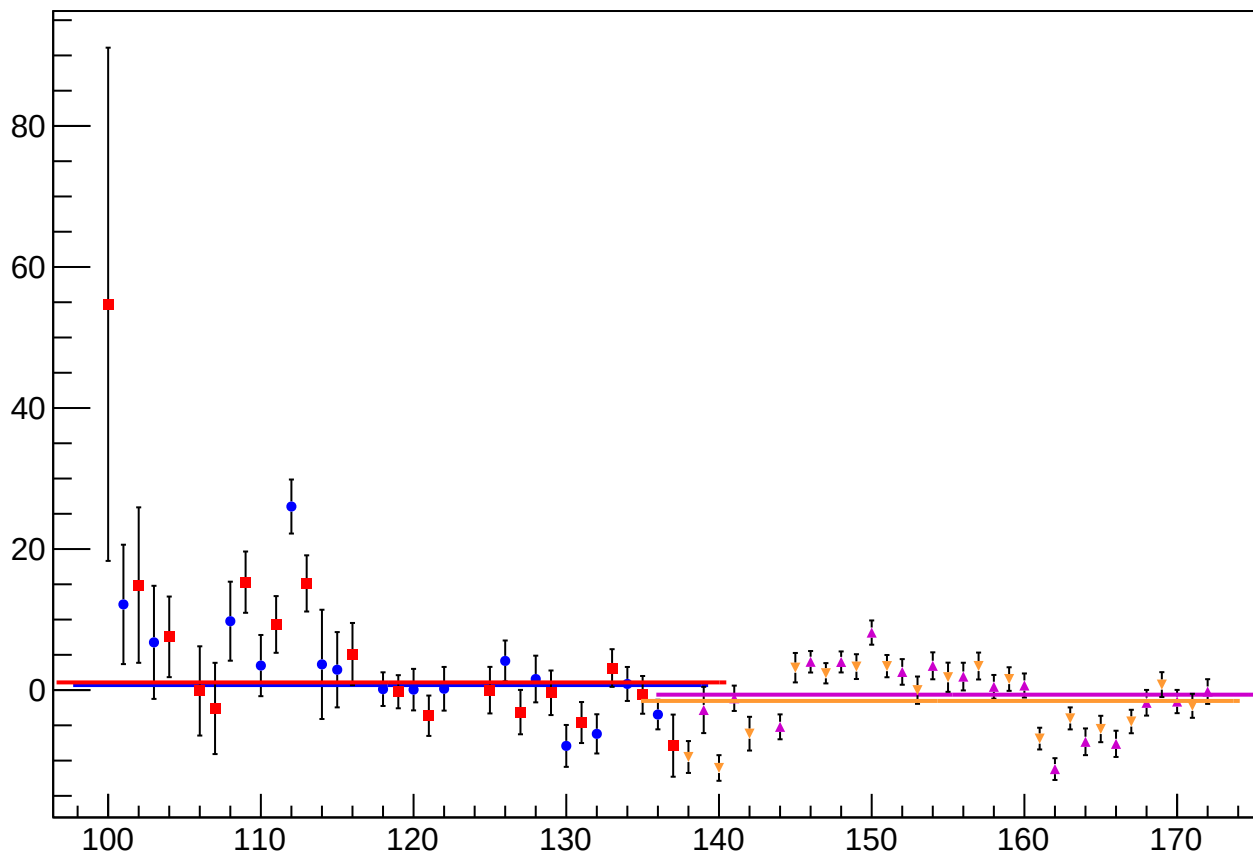
Left In: -88.107 ± 0.512 $\chi^2/\text{NDF}: 362.5/16$

+ sign -89.574 ± 0.440 $\chi^2/\text{NDF}: 2194.5/32$

All: -90.788 ± 0.310 $\chi^2/\text{NDF}: 4900.3/67$

- sign -91.982 ± 0.437 $\chi^2/\text{NDF}: 2690.8/34$

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



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

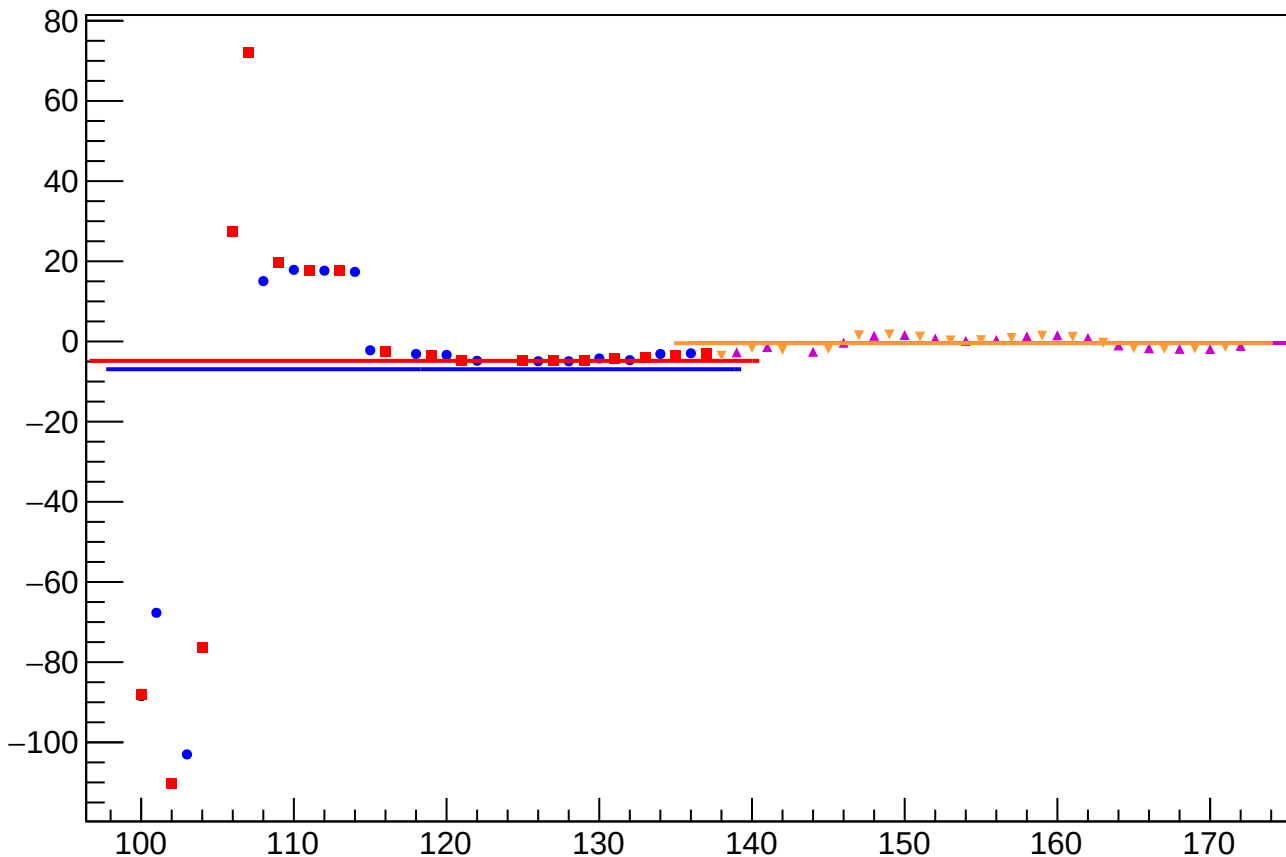
Left In: -0.651 ± 0.428 χ^2/NDF : 136.9/16

+ sign -1.054 ± 0.382 χ^2/NDF : 186.4/32

All: -0.680 ± 0.270 χ^2/NDF : 376.2/67

- sign -0.303 ± 0.383 χ^2/NDF : 187.9/34

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



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

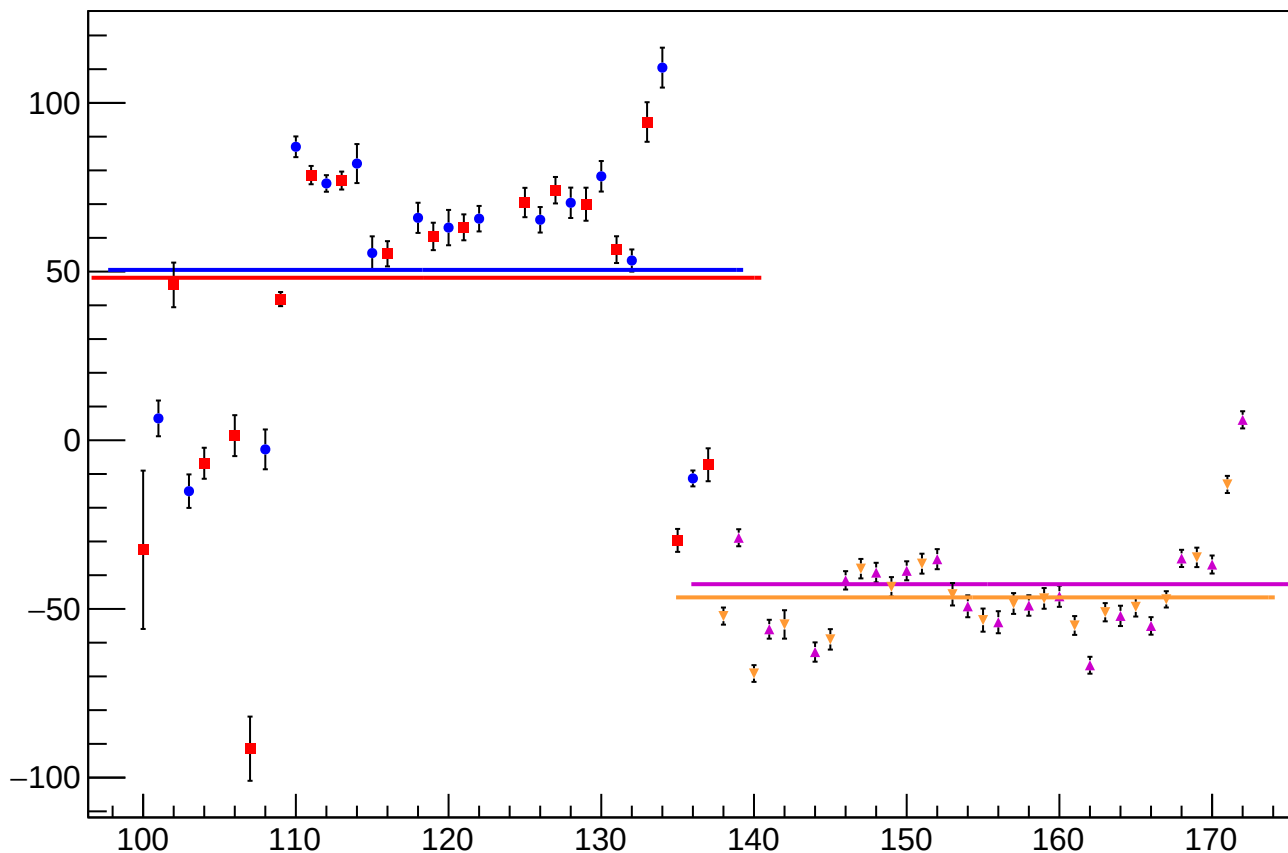
Left In: -0.382 ± 0.019 χ^2/NDF : 5816.5/16

+ sign -1.320 ± 0.018 χ^2/NDF : 286887.5/32

All: -1.102 ± 0.013 χ^2/NDF : 638649.9/67

- sign -0.889 ± 0.018 χ^2/NDF : 351474.1/34

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 50.503 $\pm$ 0.965 χ^2 /NDF: 1503.6/15

Left Out: -46.575 $\pm$ 0.697 χ^2 /NDF:337.0/16

Right Out: 48.172 $\pm$ 0.914 χ^2 /NDF: 1519.5/17

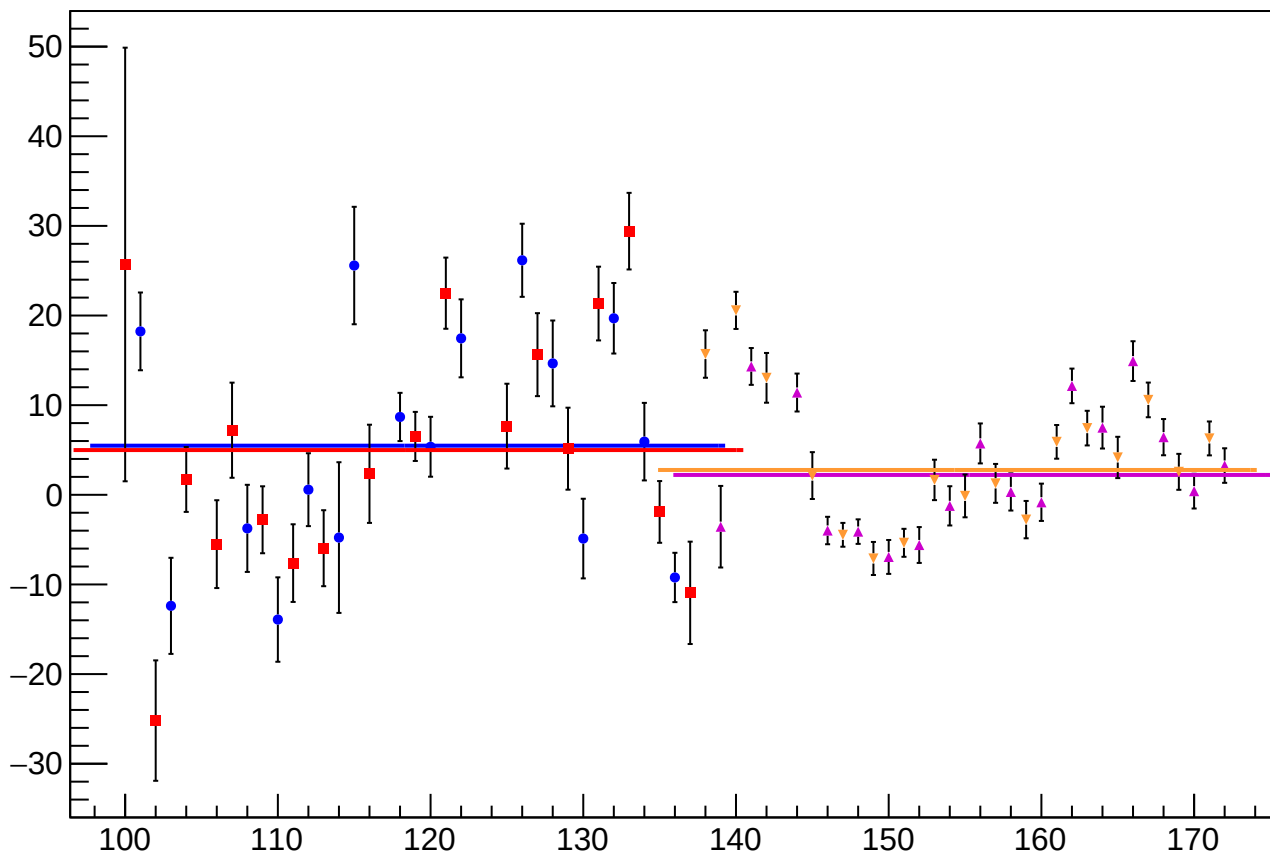
Left In: -42.664 $\pm$ 0.680 χ^2 /NDF:638.4/16

+ sign -13.301 $\pm$ 0.565 χ^2 /NDF: 8487.3/32

All: -11.768 $\pm$ 0.392 χ^2 /NDF: 17017.8/67

- sign -10.342 $\pm$ 0.545 χ^2 /NDF: 8516.3/34

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



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

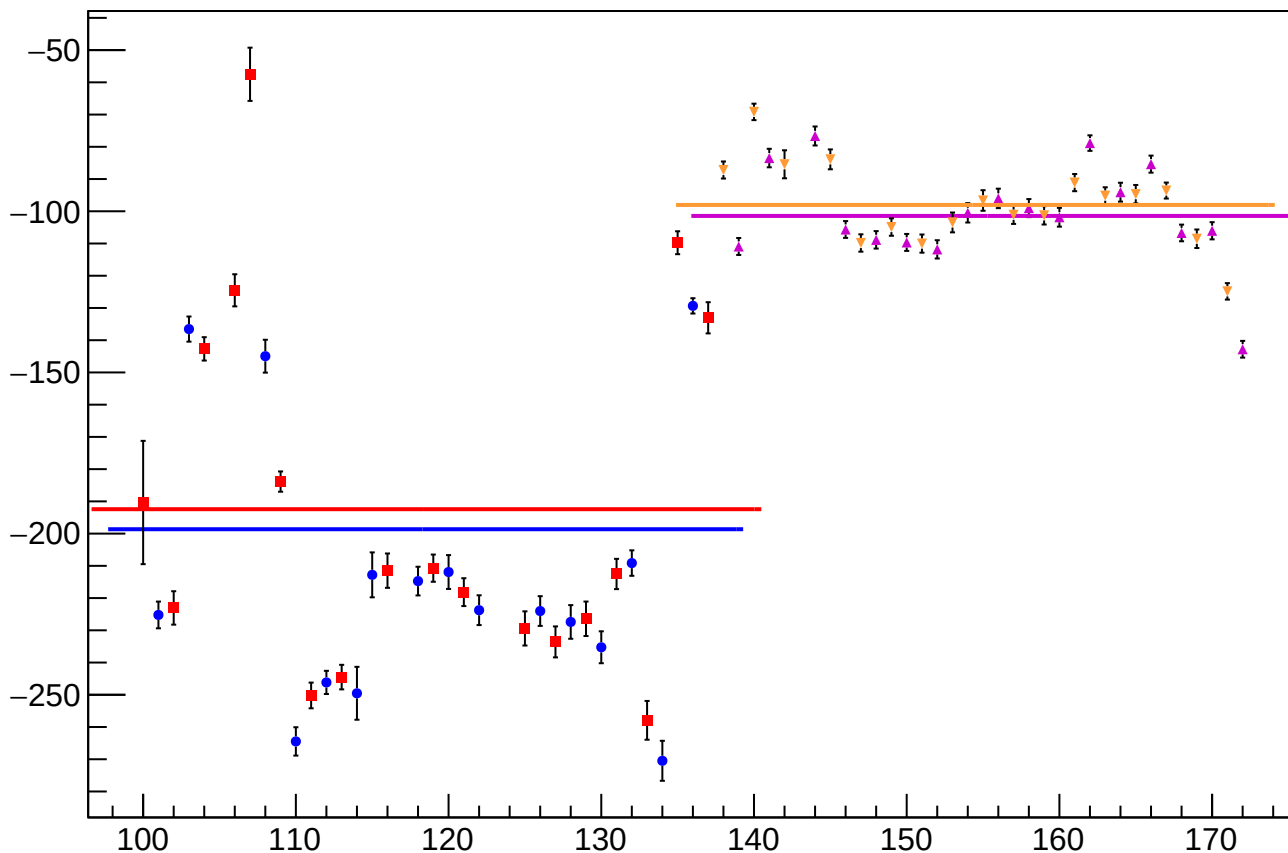
Left In: 2.217 ± 0.482 χ^2/NDF : 209.5/16

+ sign 3.267 ± 0.437 χ^2/NDF : 378.8/32

All: 2.993 ± 0.309 χ^2/NDF : 727.0/67

- sign 2.721 ± 0.436 χ^2/NDF : 347.4/34

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.641 $\pm$ 1.083 χ^2 /NDF: 2002.3/15

Left Out: -98.038 $\pm$ 0.681 χ^2 /NDF: 359.9/16

Right Out: -192.426 $\pm$ 1.080 χ^2 /NDF: 2139.0/17

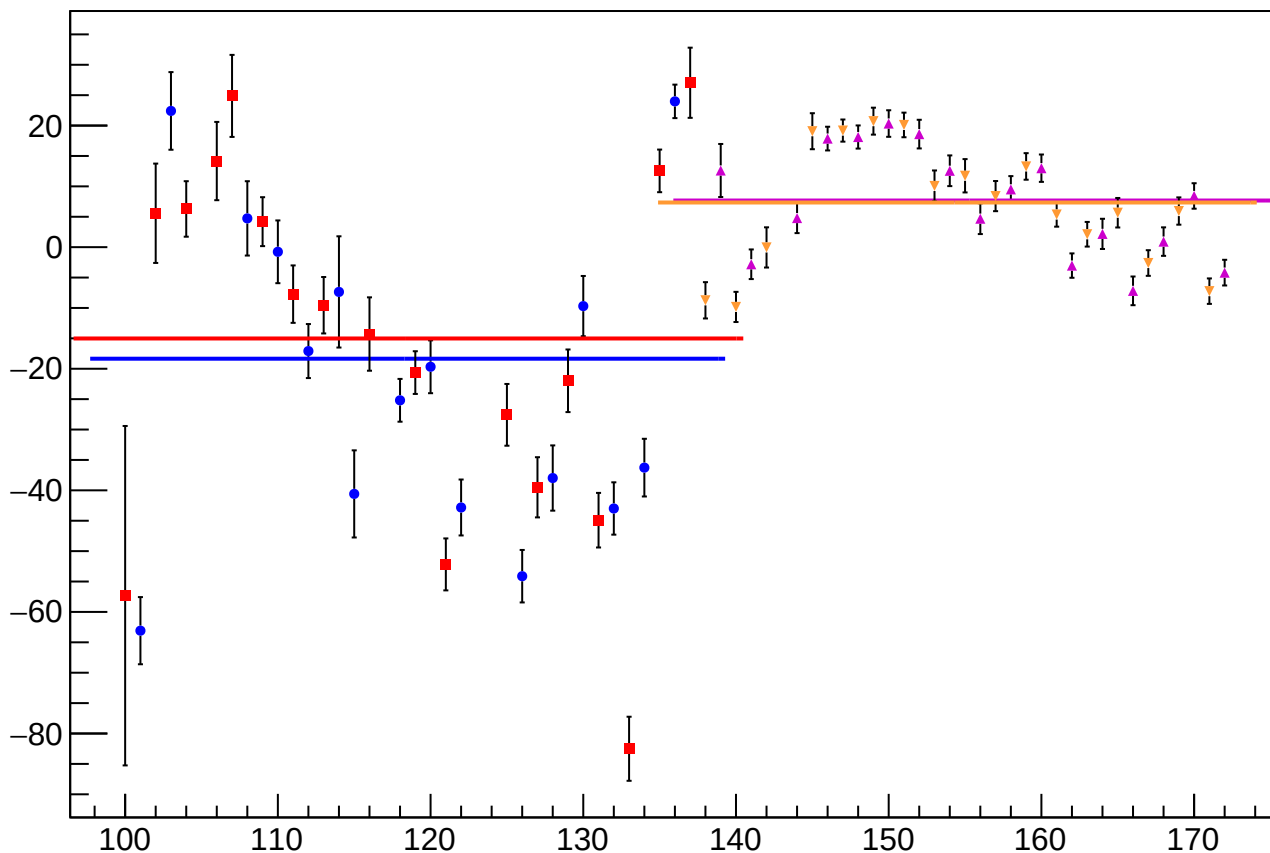
Left In: -101.445 $\pm$ 0.664 χ^2 /NDF: 552.8/16

+ sign -126.529 $\pm$ 0.577 χ^2 /NDF: 8543.0/32

All: -126.466 $\pm$ 0.404 χ^2 /NDF: 16387.1/67

- sign -126.405 $\pm$ 0.566 χ^2 /NDF: 7844.1/34

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -18.348 ± 1.159 χ^2/NDF : 543.9/15

Left Out: 7.347 ± 0.559 χ^2/NDF : 306.5/16

Right Out: -15.021 ± 1.162 χ^2/NDF : 546.4/17

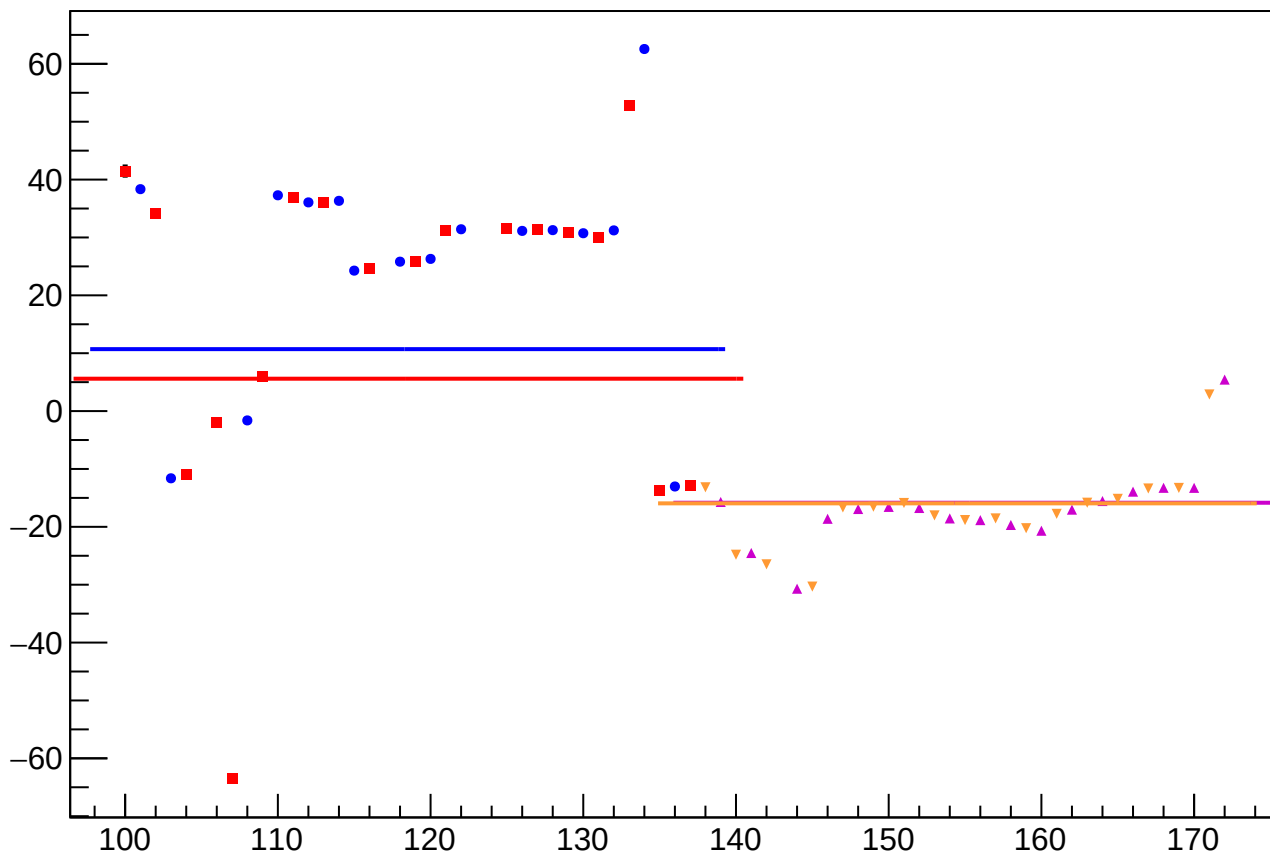
Left In: 7.672 ± 0.554 χ^2/NDF : 258.1/16

+ sign 2.503 ± 0.503 χ^2/NDF : 1249.0/32

All: 2.989 ± 0.355 χ^2/NDF : 2366.3/67

- sign 3.468 ± 0.500 χ^2/NDF : 1115.4/34

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.704 $\pm$ 0.063 χ^2 /NDF: 164860.8/15

Left Out: -15.944 $\pm$ 0.025 χ^2 /NDF: 78696.6/16

Right Out: 5.595 $\pm$ 0.064 χ^2 /NDF: 154966.4/17

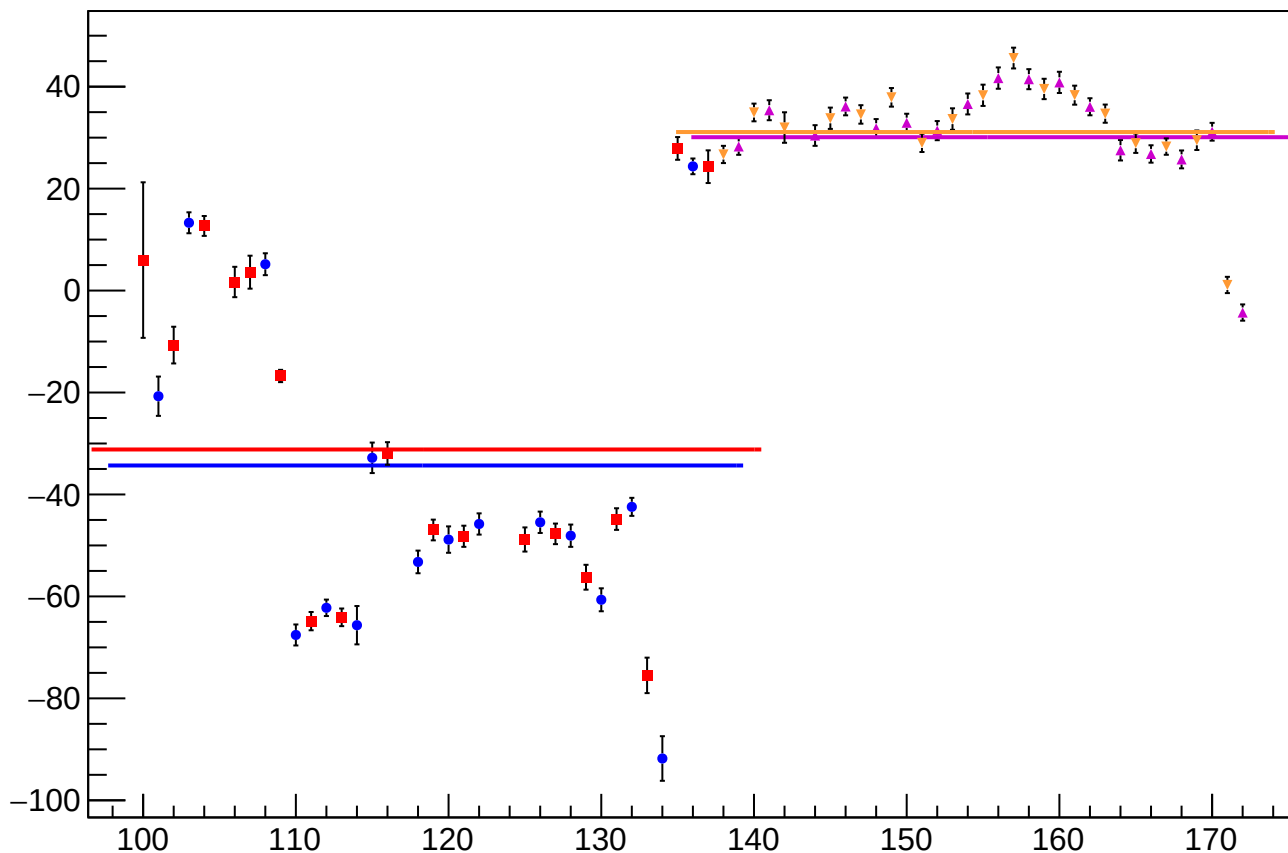
Left In: -15.838 $\pm$ 0.025 χ^2 /NDF: 84004.6/16

+ sign -12.251 $\pm$ 0.023 χ^2 /NDF: 398155.0/32

All: -12.667 $\pm$ 0.016 χ^2 /NDF: 736562.9/67

- sign -13.064 $\pm$ 0.023 χ^2 /NDF: 337791.4/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



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

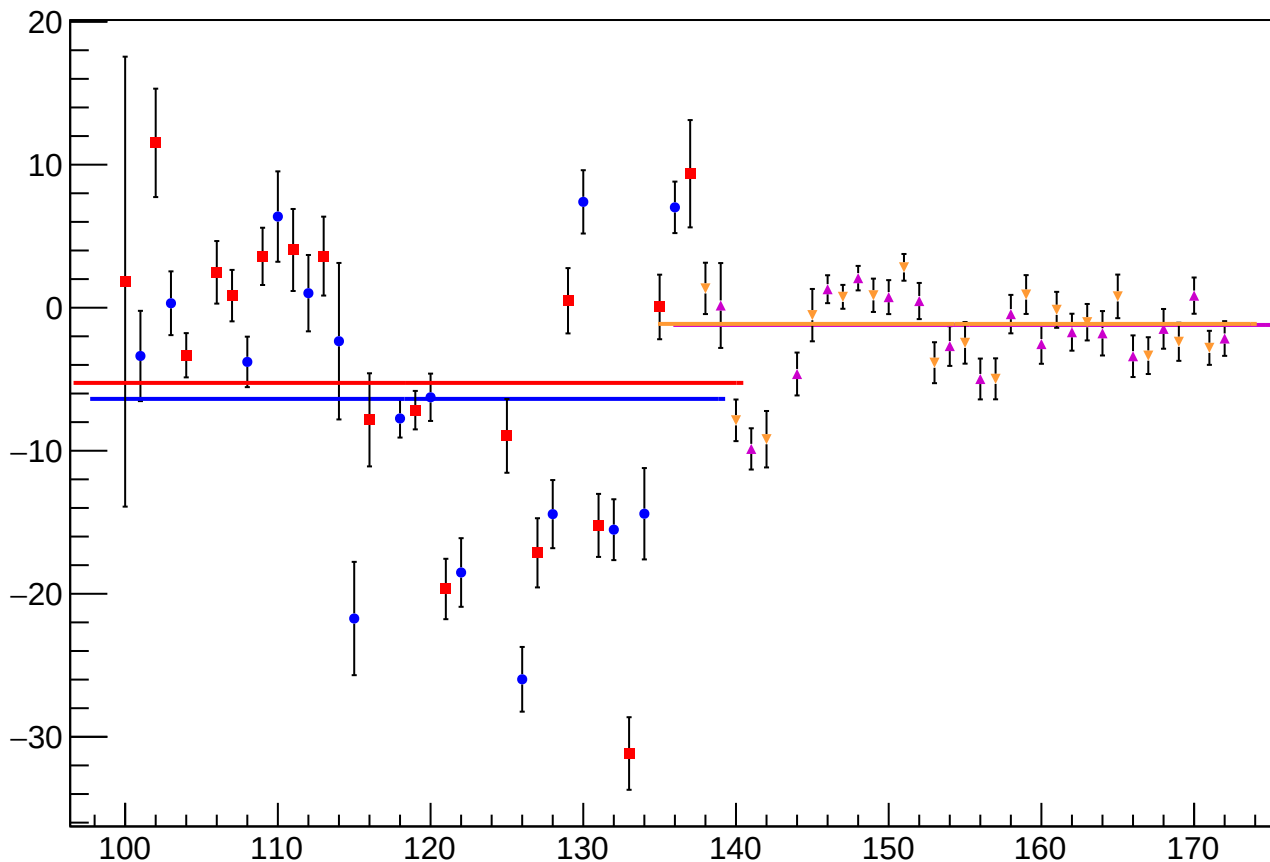
Left In: 30.085 ± 0.444 χ^2/NDF : 614.8/16

+ sign 4.349 ± 0.350 χ^2/NDF : 12421.3/32

All: 4.156 ± 0.243 χ^2/NDF : 24333.3/67

- sign 3.978 ± 0.337 χ^2/NDF : 11911.4/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



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: -1.206 ± 0.313 χ^2/NDF : 82.3/16

+ sign -2.403 ± 0.273 χ^2/NDF : 439.7/32

All: -2.325 ± 0.192 χ^2/NDF : 878.1/67

- sign -2.248 ± 0.270 χ^2/NDF : 438.2/34

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

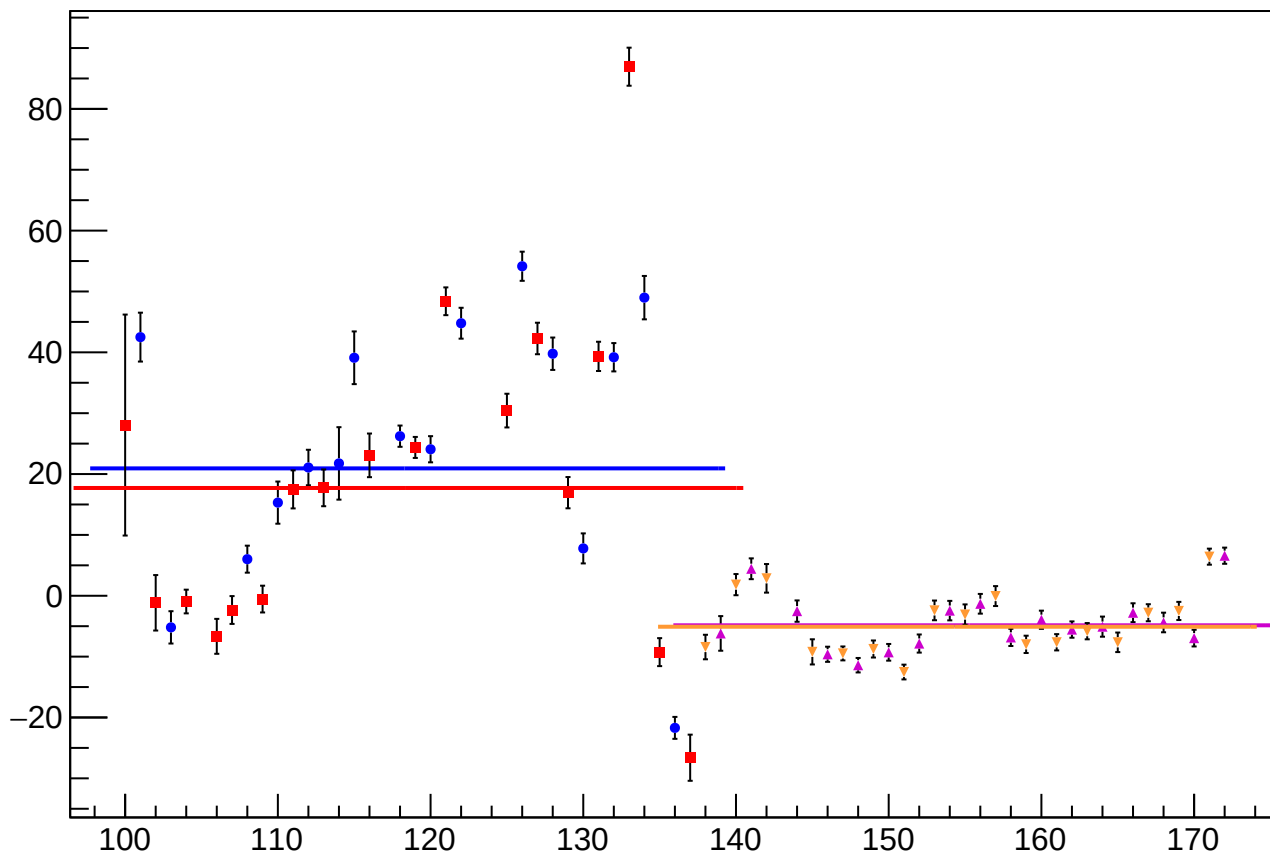
Left In: -6.730+/-0.434 χ^2/NDF : 441.6/16

+ sign 17.122+/-0.356 χ^2/NDF : 15064.9/32

All: 16.645+/-0.249 χ^2/NDF : 28578.2/67

- sign 16.191+/-0.347 χ^2/NDF : 13509.8/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.931 ± 0.640 χ^2/NDF : 1245.4/15

Left Out: -5.088 ± 0.363 χ^2/NDF : 199.5/16

Right Out: 17.711 ± 0.618 χ^2/NDF : 1481.9/17

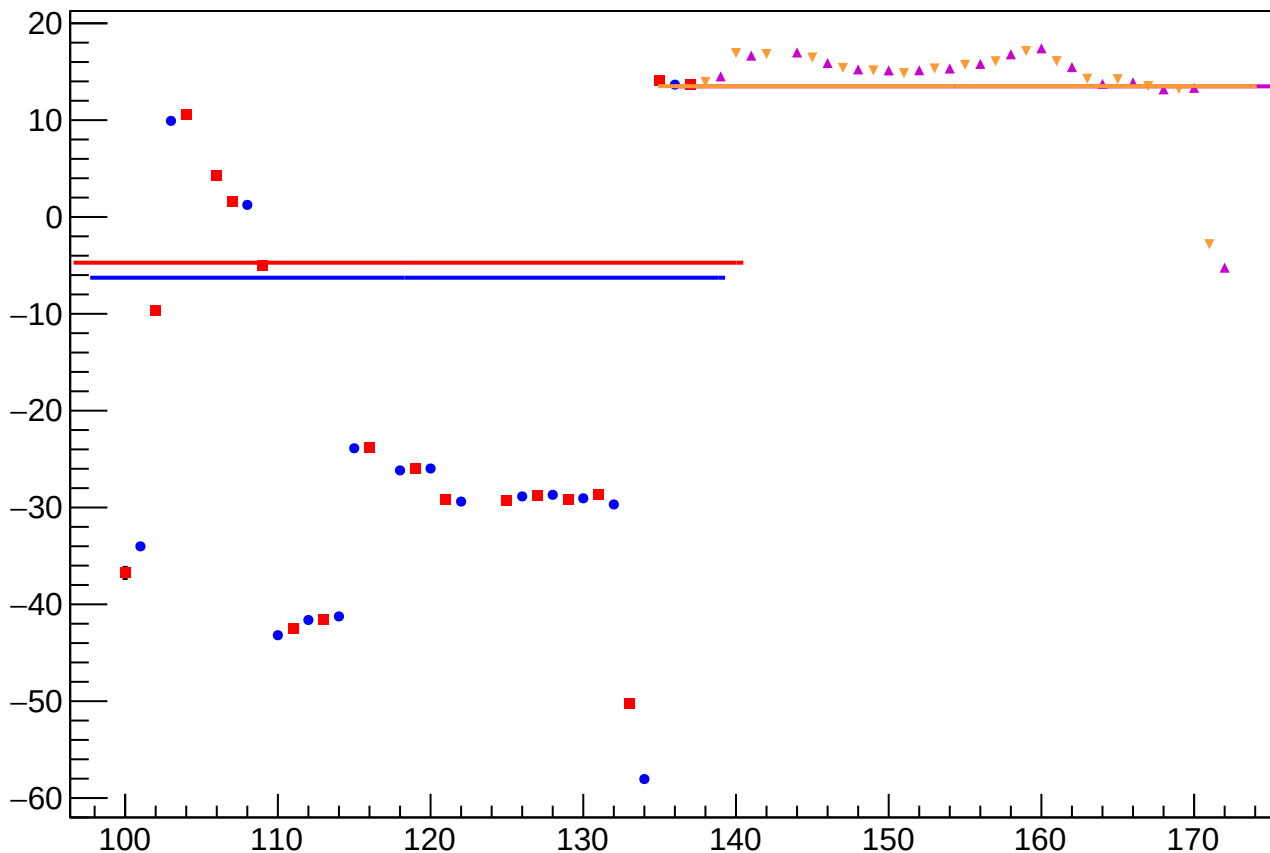
Left In: -4.855 ± 0.361 χ^2/NDF : 179.0/16

+ sign 1.240 ± 0.316 χ^2/NDF : 2695.2/32

All: 1.061 ± 0.222 χ^2/NDF : 5350.4/67

- sign 0.887 ± 0.312 χ^2/NDF : 2654.6/34

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.271 $\pm$ 0.033 χ^2 /NDF: 410461.0/15

Left Out: 13.506 $\pm$ 0.016 χ^2 /NDF: 106983.7/16

Right Out: -4.720 $\pm$ 0.034 χ^2 /NDF: 306663.6/17

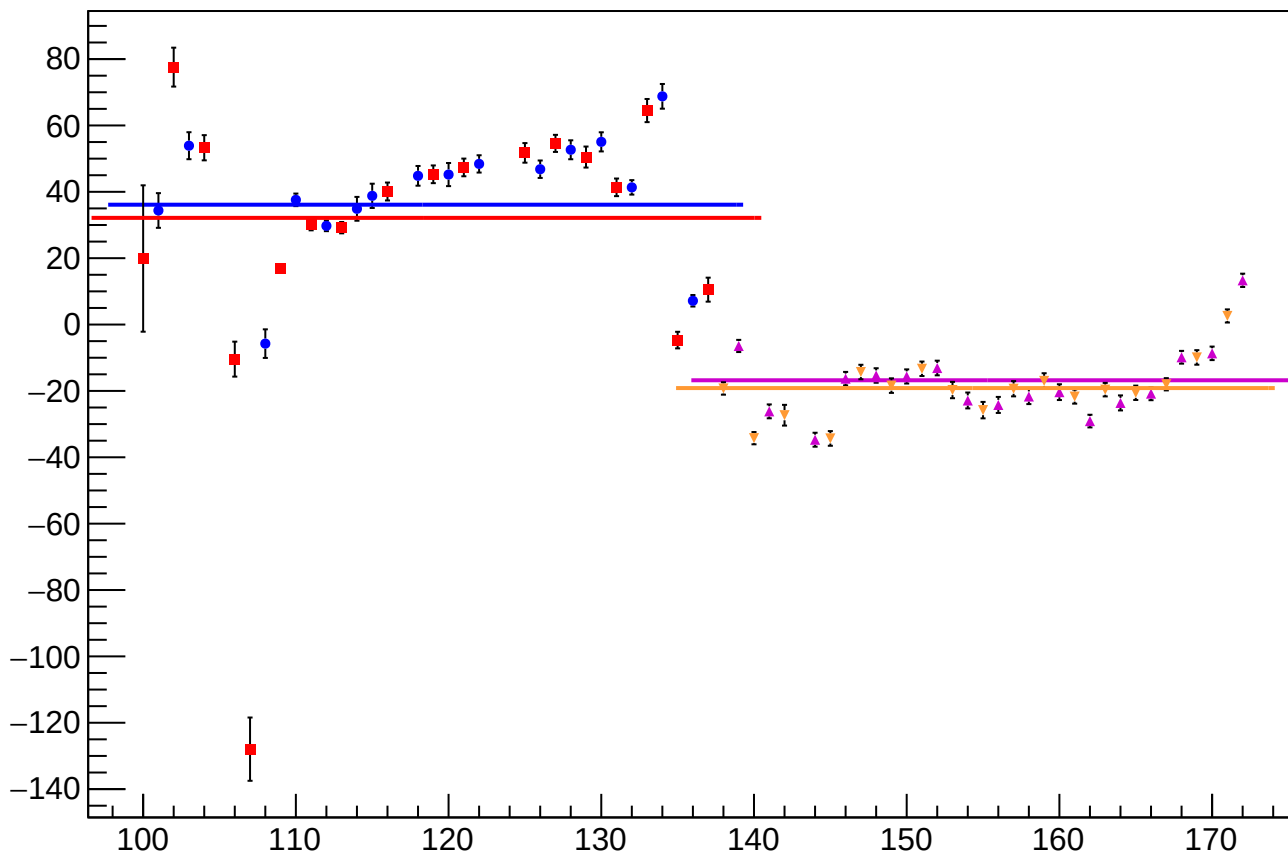
Left In: 13.488 $\pm$ 0.016 χ^2 /NDF: 129158.5/16

+ sign 9.661 $\pm$ 0.015 χ^2 /NDF: 799623.1/32

All: 9.905 $\pm$ 0.010 χ^2 /NDF: 1474365.1/67

- sign 10.139 $\pm$ 0.014 χ^2 /NDF: 674205.4/34

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 36.118 ± 0.656 χ^2/NDF : 622.8/15

Left Out: -19.142 ± 0.524 χ^2/NDF : 281.2/16

Right Out: 32.150 ± 0.631 χ^2/NDF : 1114.6/17

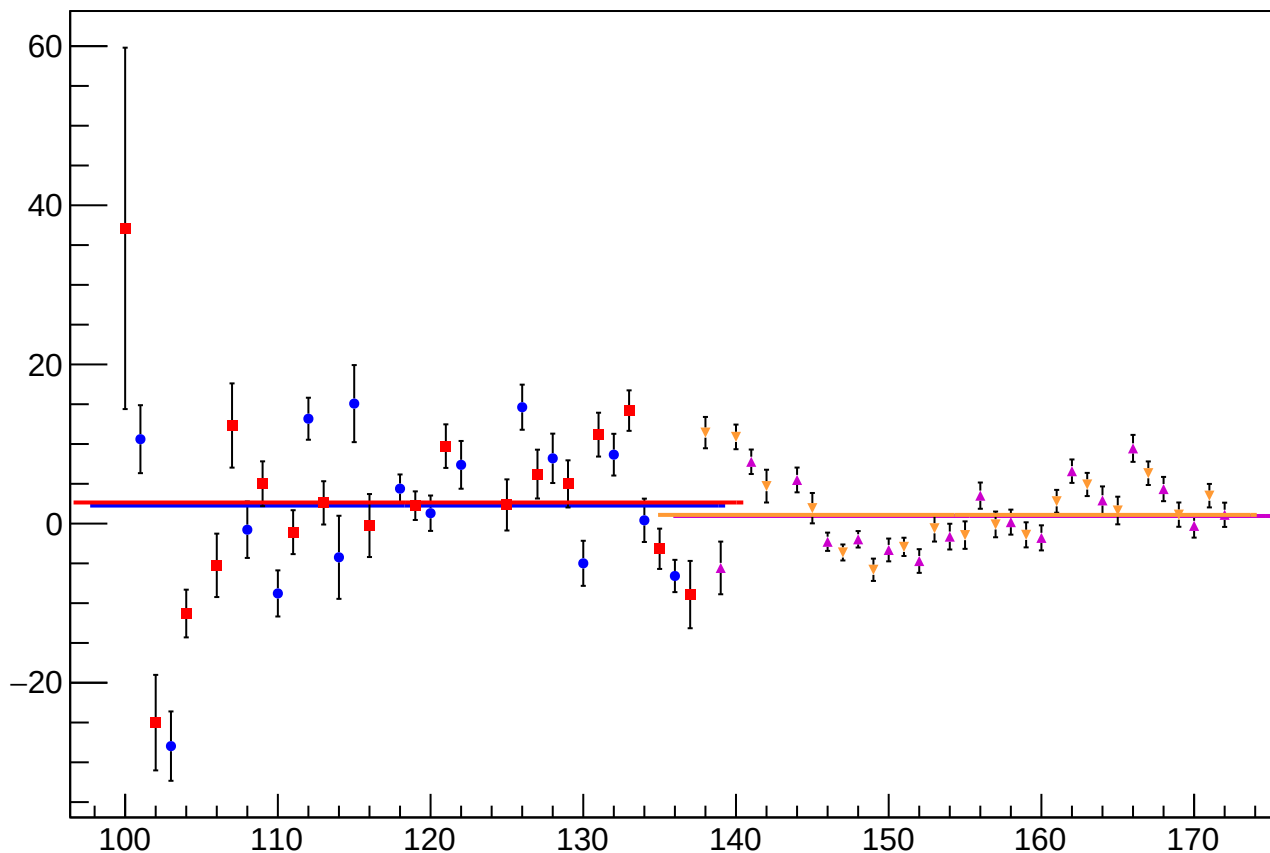
Left In: -16.791 ± 0.511 χ^2/NDF : 459.4/16

+ sign 2.346 ± 0.409 χ^2/NDF : 5235.1/32

All: 2.492 ± 0.285 χ^2/NDF : 10442.4/67

- sign 2.629 ± 0.397 χ^2/NDF : 5207.0/34

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.265 ± 0.701 χ^2/NDF : 152.0/15

Left Out: 1.093 ± 0.364 χ^2/NDF : 159.3/16

Right Out: 2.651 ± 0.715 χ^2/NDF : 107.2/17

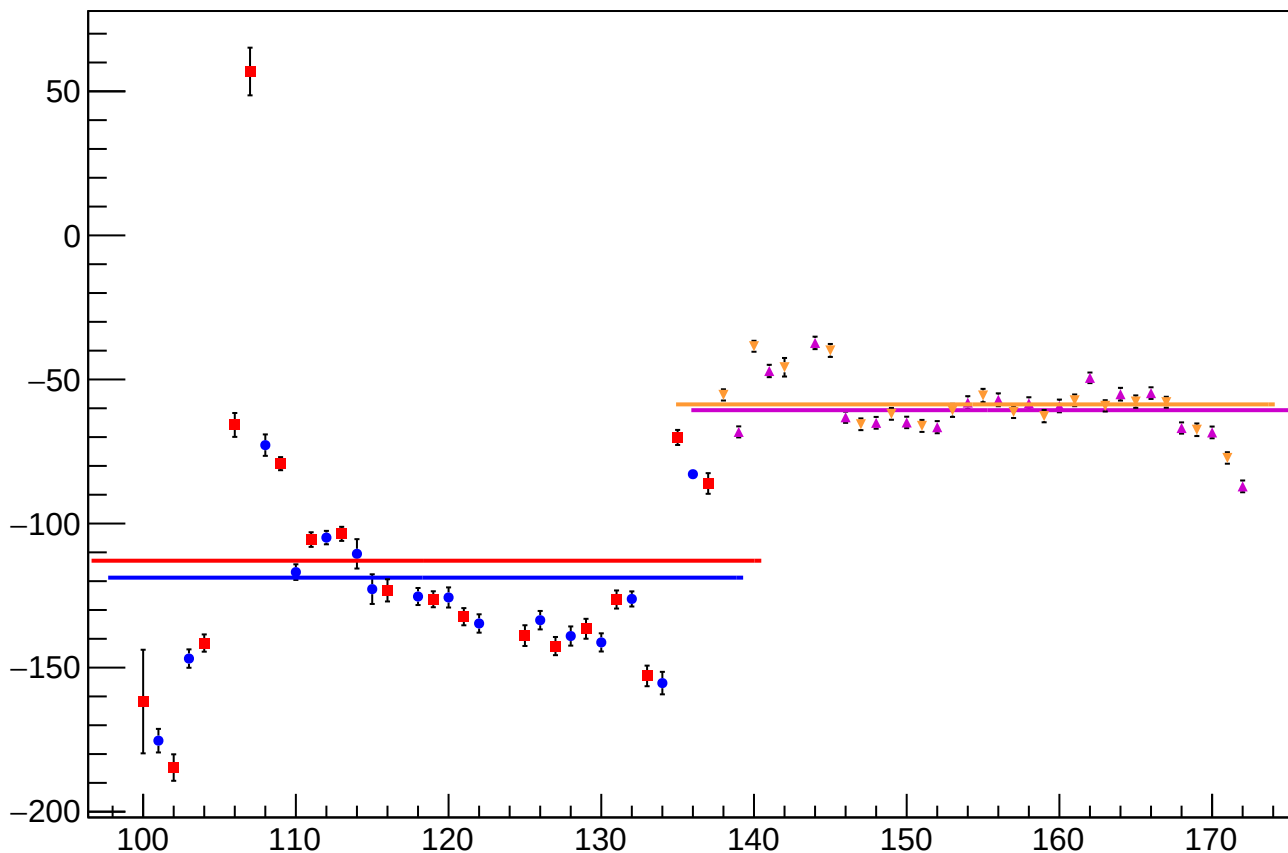
Left In: 0.955 ± 0.363 χ^2/NDF : 126.2/16

+ sign 1.341 ± 0.323 χ^2/NDF : 313.5/32

All: 1.322 ± 0.229 χ^2/NDF : 551.5/67

- sign 1.303 ± 0.324 χ^2/NDF : 237.9/34

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -118.778 ± 0.757 $\chi^2/\text{NDF}: 1119.5/15$

Left Out: -58.648 ± 0.511 $\chi^2/\text{NDF}: 339.2/16$

Right Out: -112.899 ± 0.761 $\chi^2/\text{NDF}: 1862.9/17$

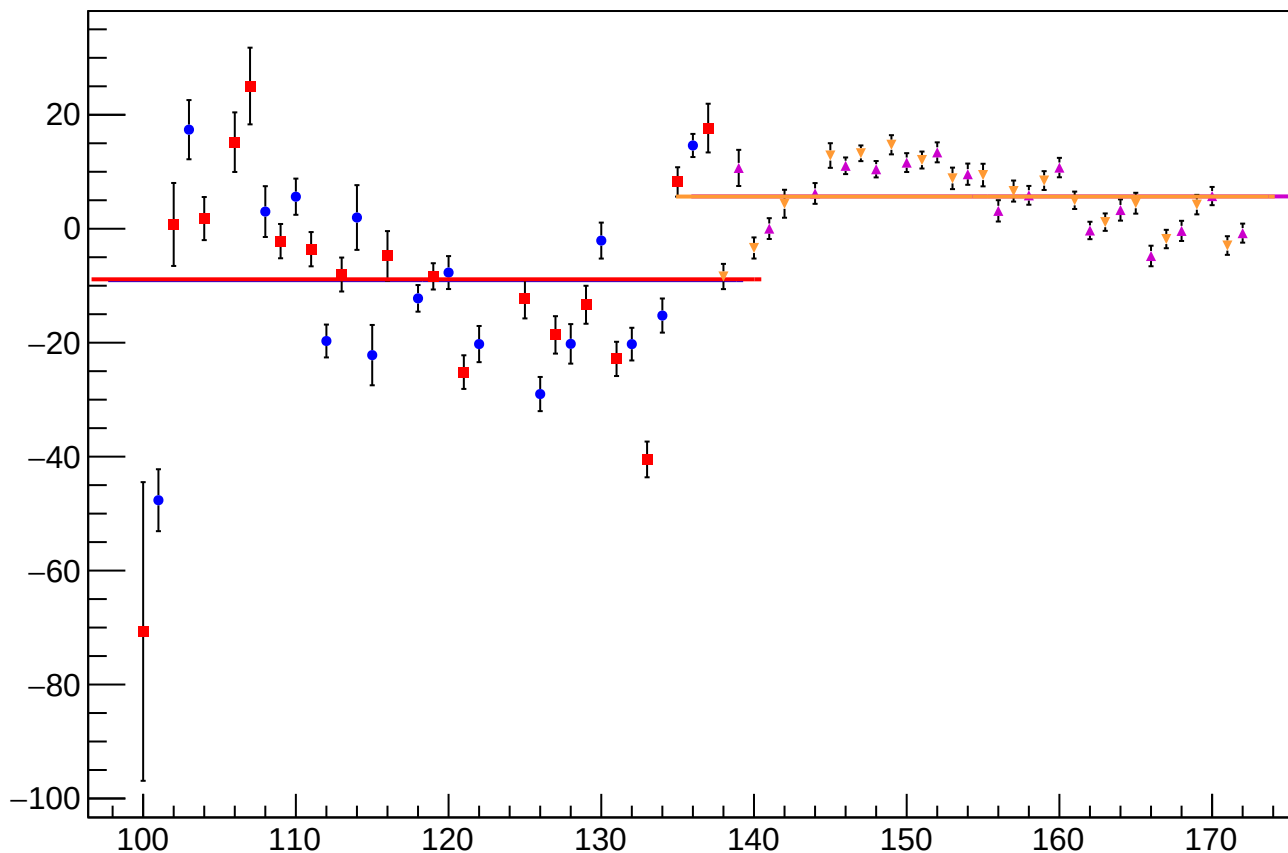
Left In: -60.660 ± 0.500 $\chi^2/\text{NDF}: 439.7/16$

+ sign -77.499 ± 0.424 $\chi^2/\text{NDF}: 5792.1/32$

All: -76.942 ± 0.297 $\chi^2/\text{NDF}: 11390.9/67$

- sign -76.400 ± 0.418 $\chi^2/\text{NDF}: 5595.3/34$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



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

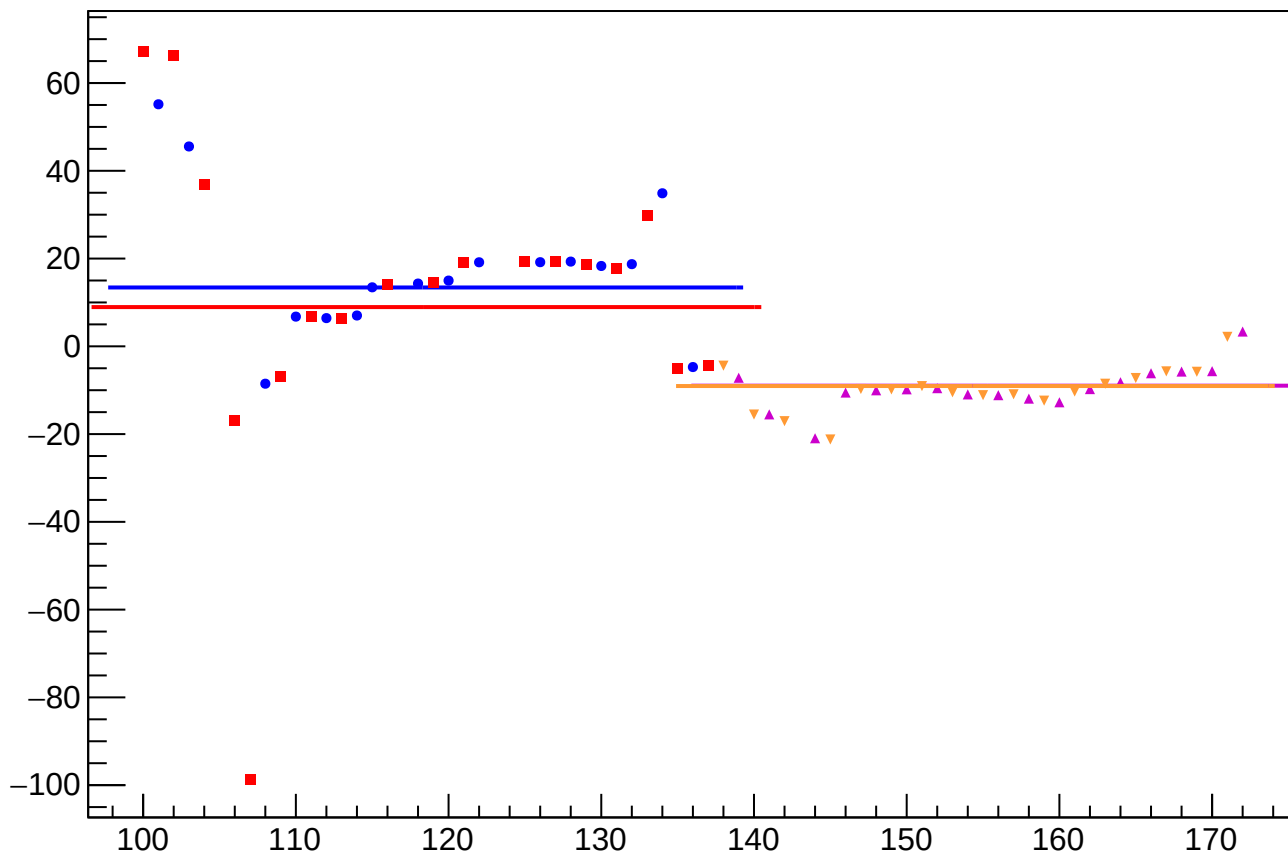
Left In: 5.674 ± 0.418 χ^2/NDF : 161.3/16

+ sign 2.447 ± 0.372 χ^2/NDF : 845.6/32

All: 2.531 ± 0.263 χ^2/NDF : 1580.4/67

- sign 2.615 ± 0.372 χ^2/NDF : 734.7/34

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



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

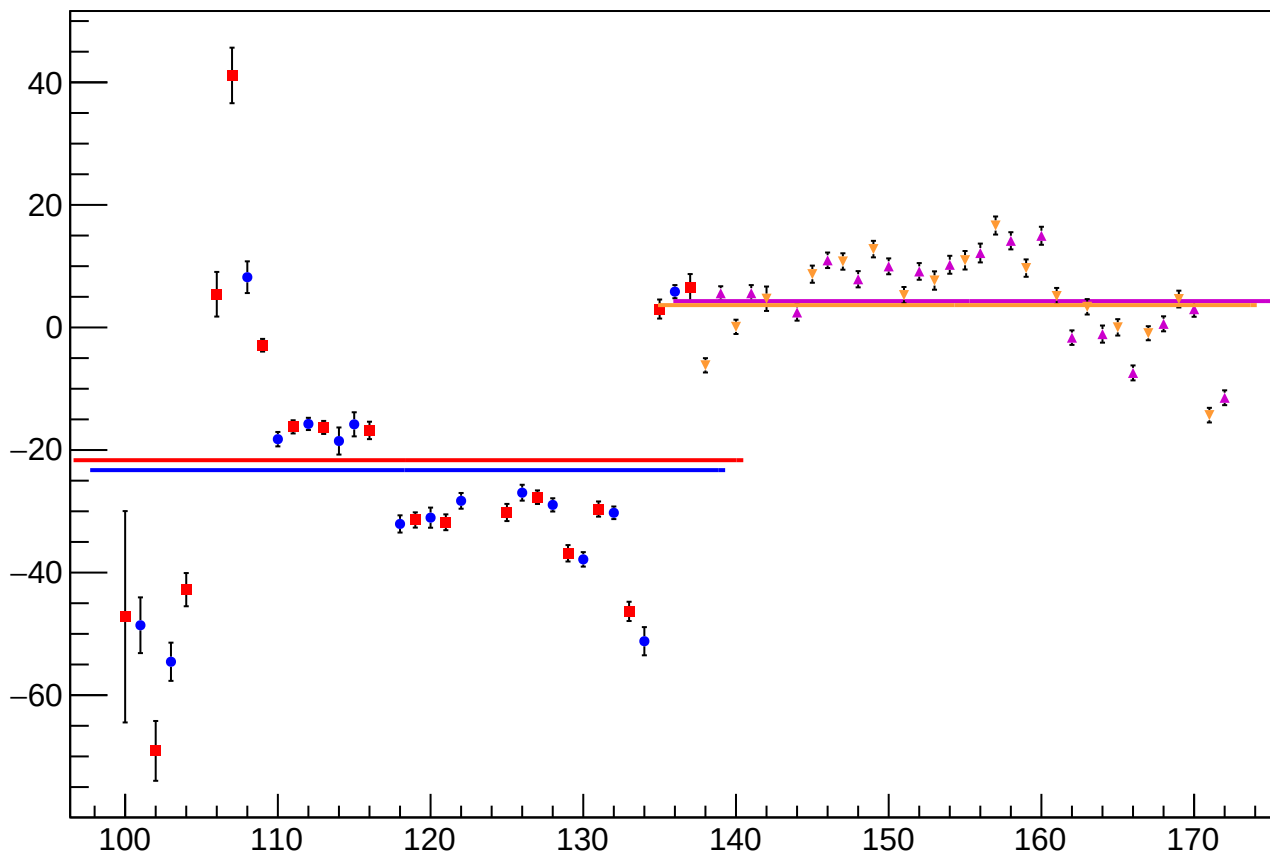
Left In: -8.969+/-0.018 χ^2/NDF : 64857.7/16

+ sign -5.701+/-0.017 χ^2/NDF : 462412.5/32

All: -6.162+/-0.012 χ^2/NDF : 943747.5/67

- sign -6.608+/-0.017 χ^2/NDF : 479966.2/34

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -23.281 ± 0.350 χ^2/NDF : 1567.9/15

Left Out: 3.647 ± 0.324 χ^2/NDF : 547.2/16

Right Out: -21.660 ± 0.347 χ^2/NDF : 1813.6/17

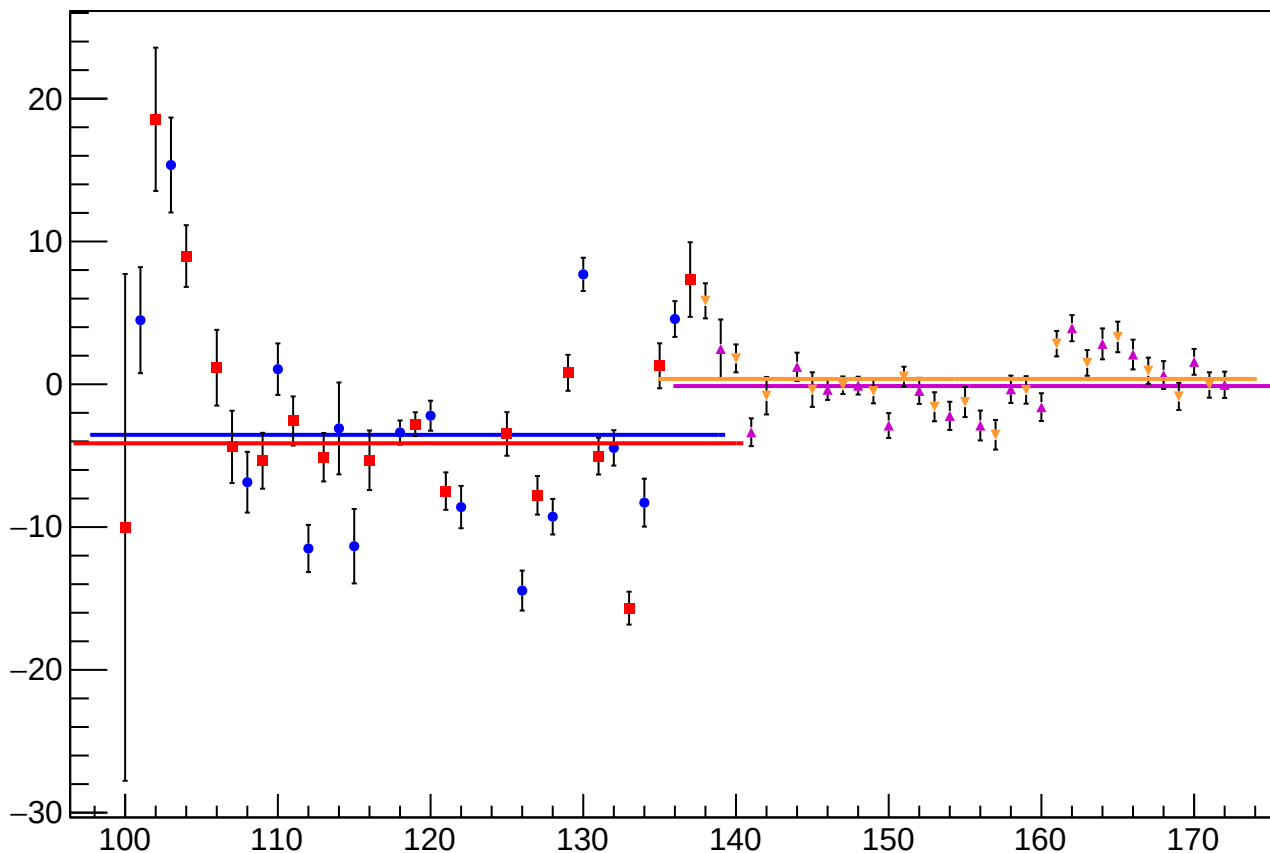
Left In: 4.302 ± 0.317 χ^2/NDF : 527.5/16

+ sign -8.775 ± 0.238 χ^2/NDF : 5296.6/32

All: -8.118 ± 0.167 χ^2/NDF : 10703.6/67

- sign -7.483 ± 0.234 χ^2/NDF : 5392.0/34

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



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

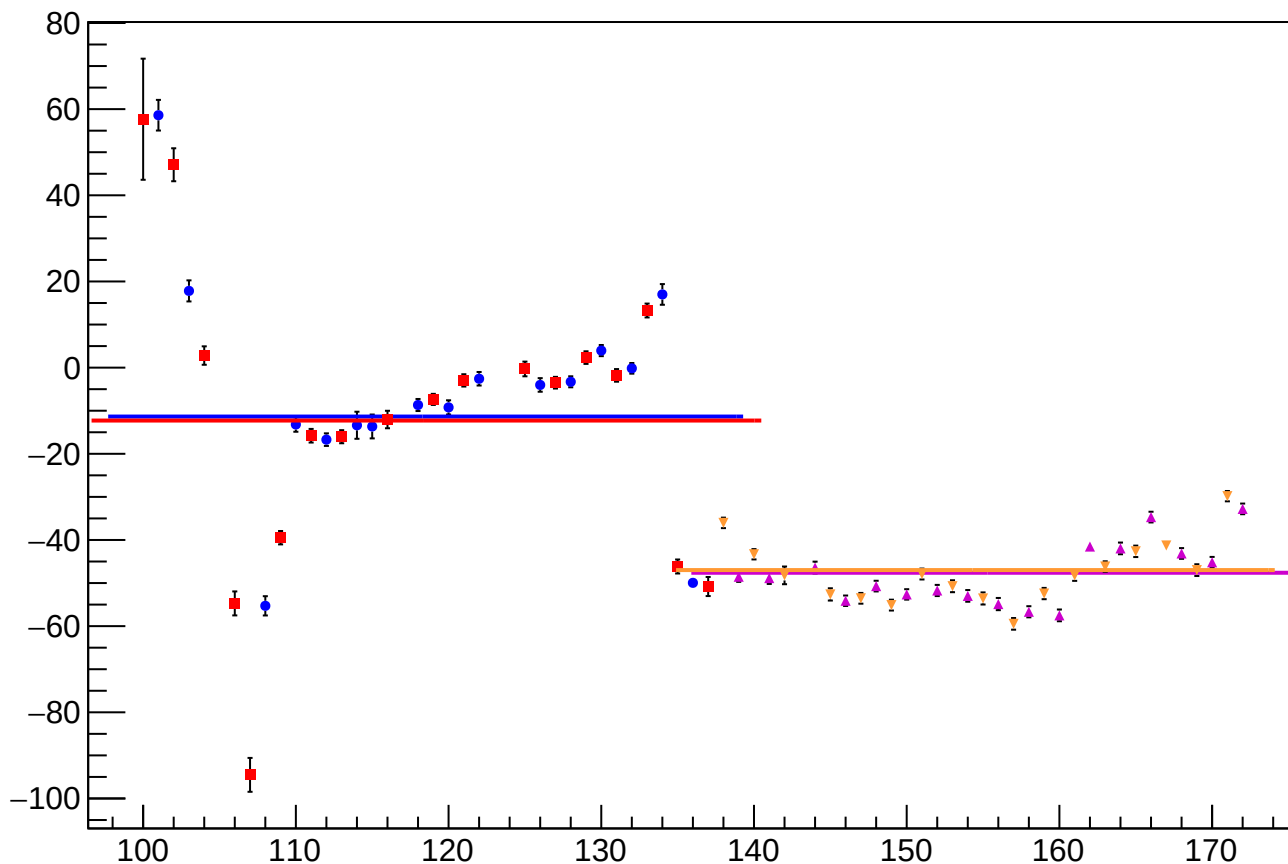
Left In: -0.124 ± 0.224 χ^2/NDF : 74.3/16

+ sign -0.711 ± 0.191 χ^2/NDF : 465.7/32

All: -0.954 ± 0.135 χ^2/NDF : 856.3/67

- sign -1.199 ± 0.192 χ^2/NDF : 387.4/34

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

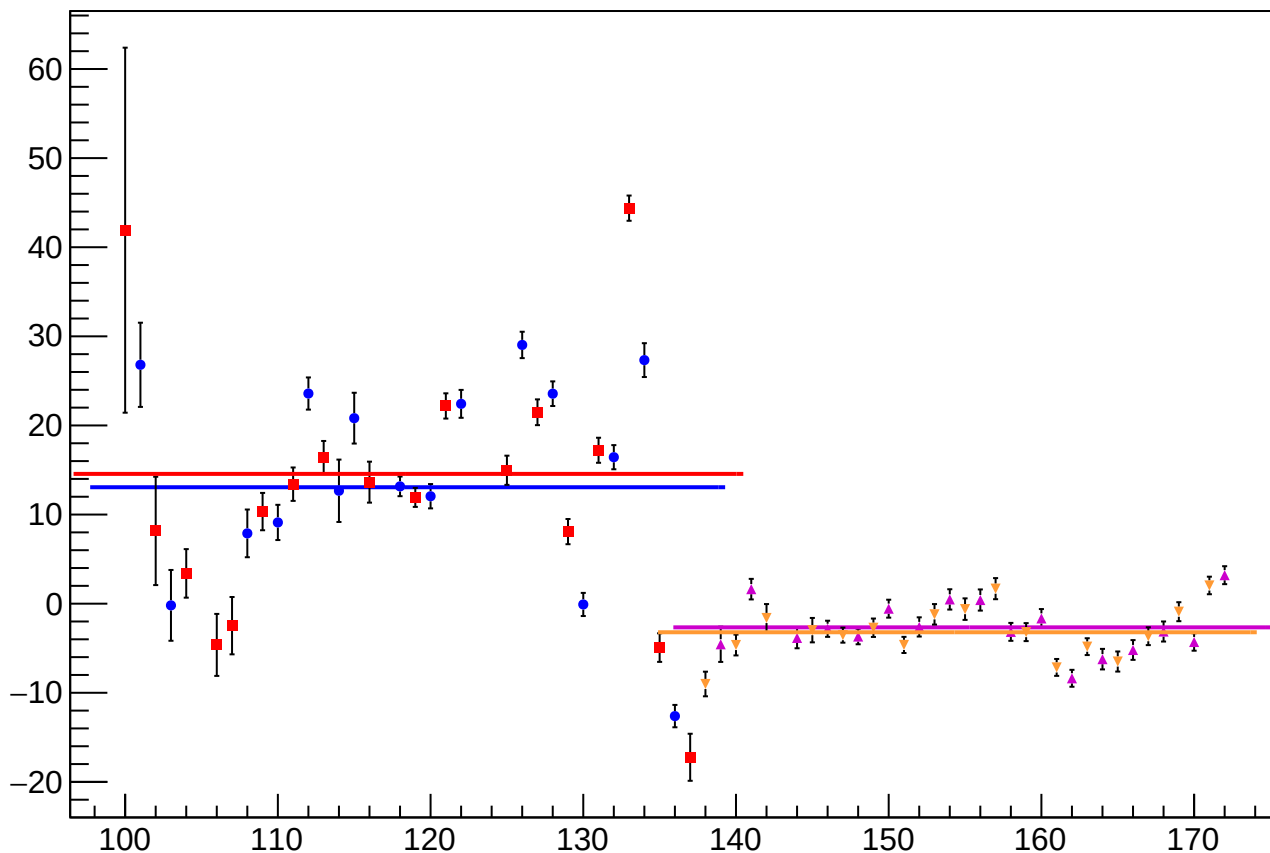
Left In: -47.609 ± 0.309 χ^2/NDF : 522.4/16

+ sign -33.503 ± 0.250 χ^2/NDF : 8004.9/32

All: -34.219 ± 0.176 χ^2/NDF : 15820.6/67

- sign -34.925 ± 0.248 χ^2/NDF : 7799.4/34

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.066 $\pm$ 0.415 χ^2 /NDF: 863.4/15

Left Out: -3.208 $\pm$ 0.260 χ^2 /NDF:109.9/16

Right Out: 14.563 $\pm$ 0.423 χ^2 /NDF: 903.1/17

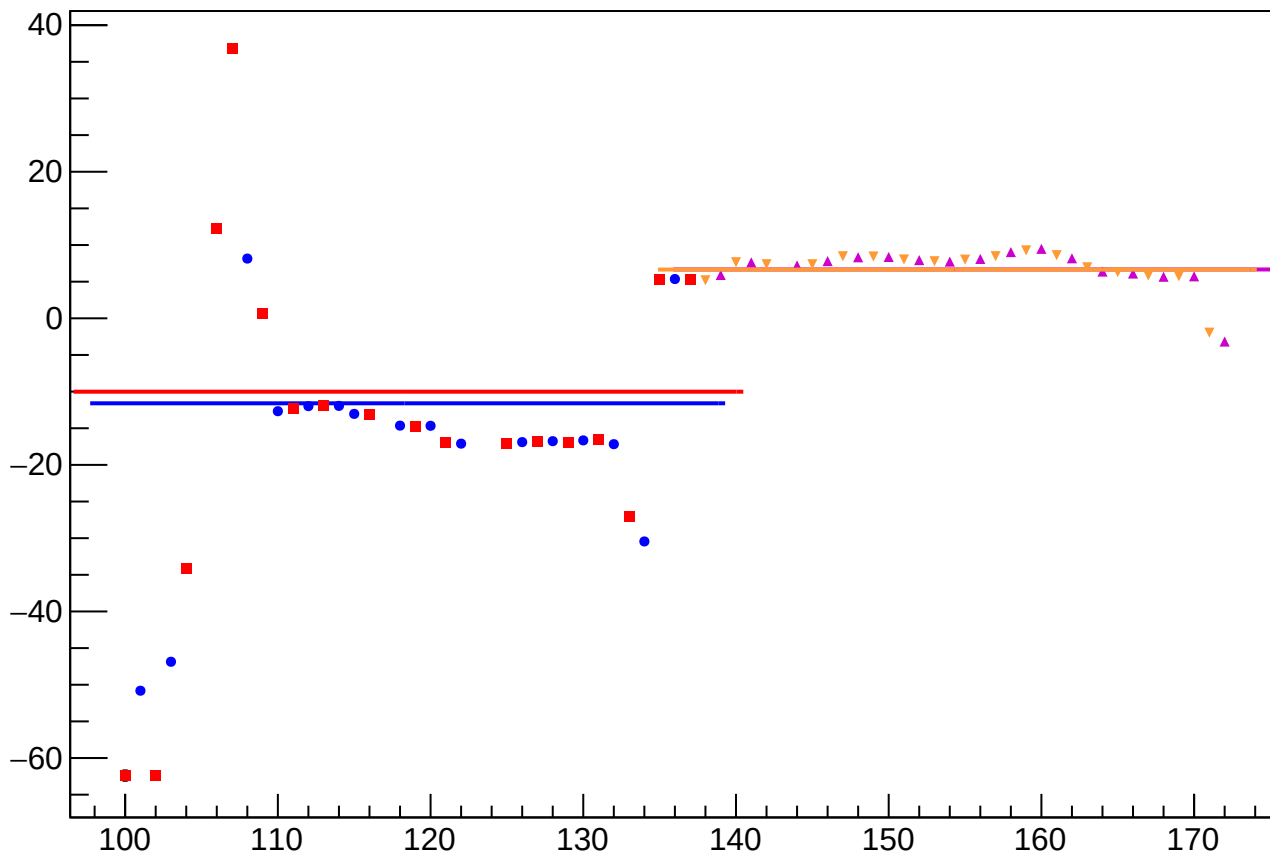
Left In: -2.658 $\pm$ 0.258 χ^2 /NDF:124.8/16

+ sign 1.376 $\pm$ 0.220 χ^2 /NDF: 2079.4/32

All: 1.700 $\pm$ 0.156 χ^2 /NDF: 4321.2/67

- sign 2.026 $\pm$ 0.220 χ^2 /NDF: 2237.4/34

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



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

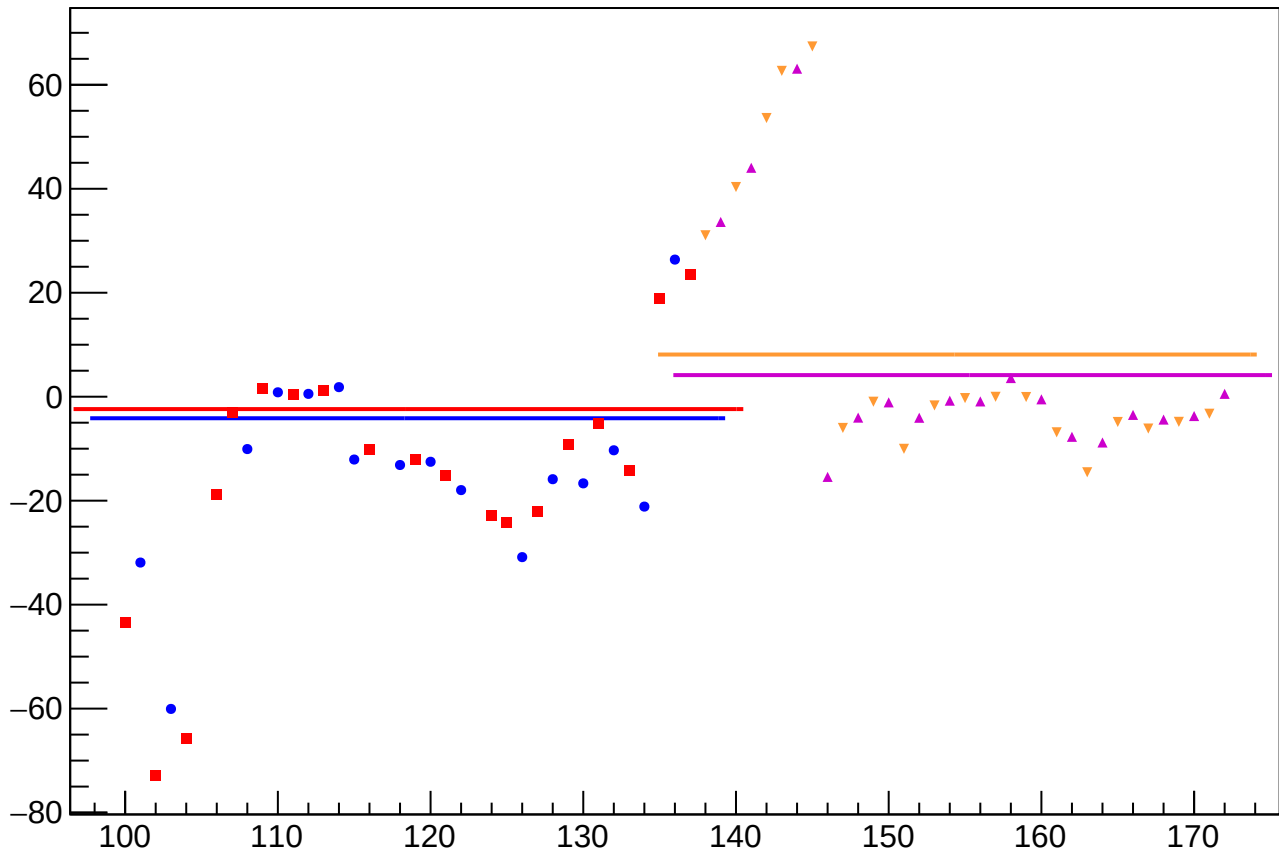
Left In: 6.666 ± 0.011 χ^2/NDF : 68624.0/16

+ sign 3.628 ± 0.011 χ^2/NDF : 821644.3/32

All: 3.919 ± 0.008 χ^2/NDF : 1602728.3/67

- sign 4.202 ± 0.011 χ^2/NDF : 779628.6/34

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

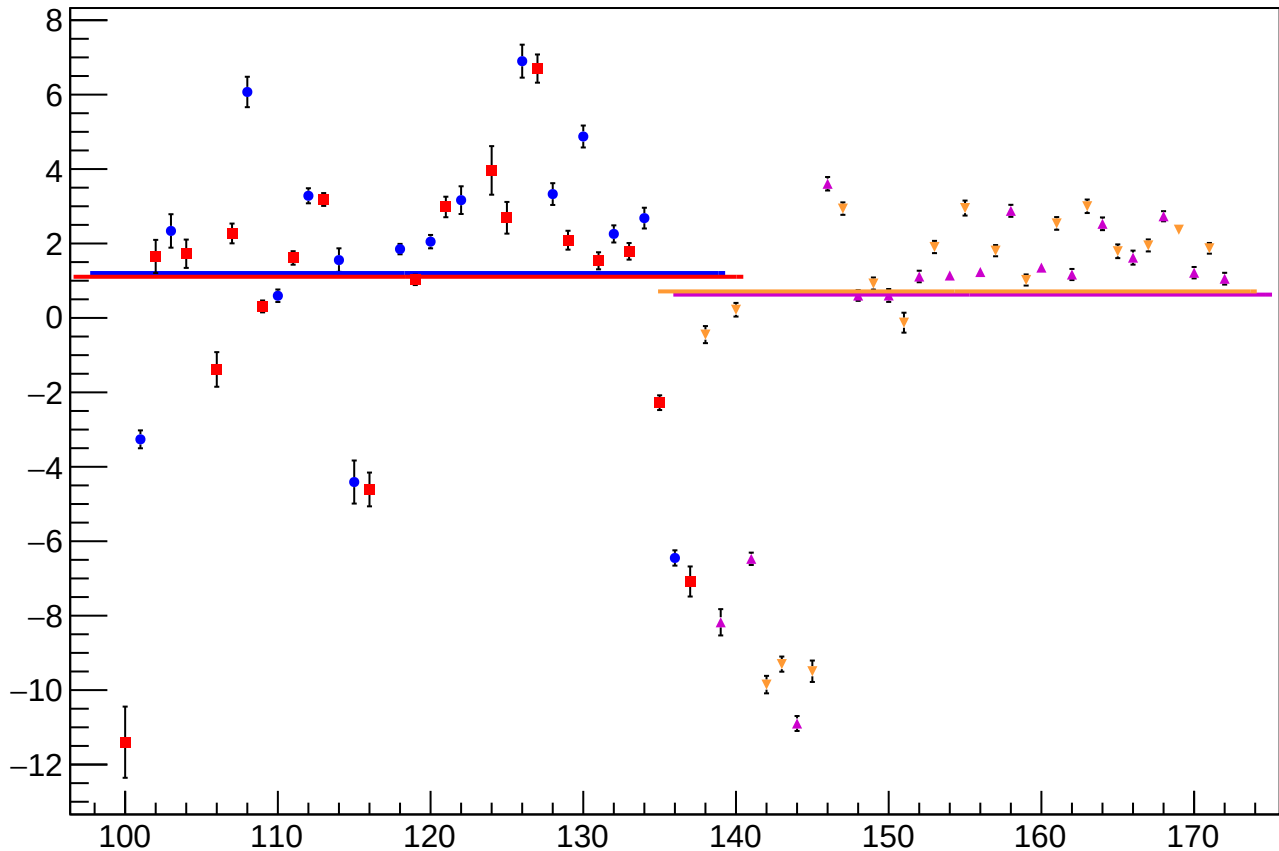
Left In: 4.155 ± 0.051 χ^2/NDF : 121850.3/16

+ sign 1.661 ± 0.040 χ^2/NDF : 253894.4/33

All: 1.036 ± 0.026 χ^2/NDF : 466000.1/69

- sign 0.573 ± 0.034 χ^2/NDF : 211673.7/35

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206 $\pm$ 0.060 χ^2 /NDF: 2584.4/15

Left Out: 0.712 $\pm$ 0.042 χ^2 /NDF: 6736.1/17

Right Out: 1.106 $\pm$ 0.057 χ^2 /NDF: 1587.2/18

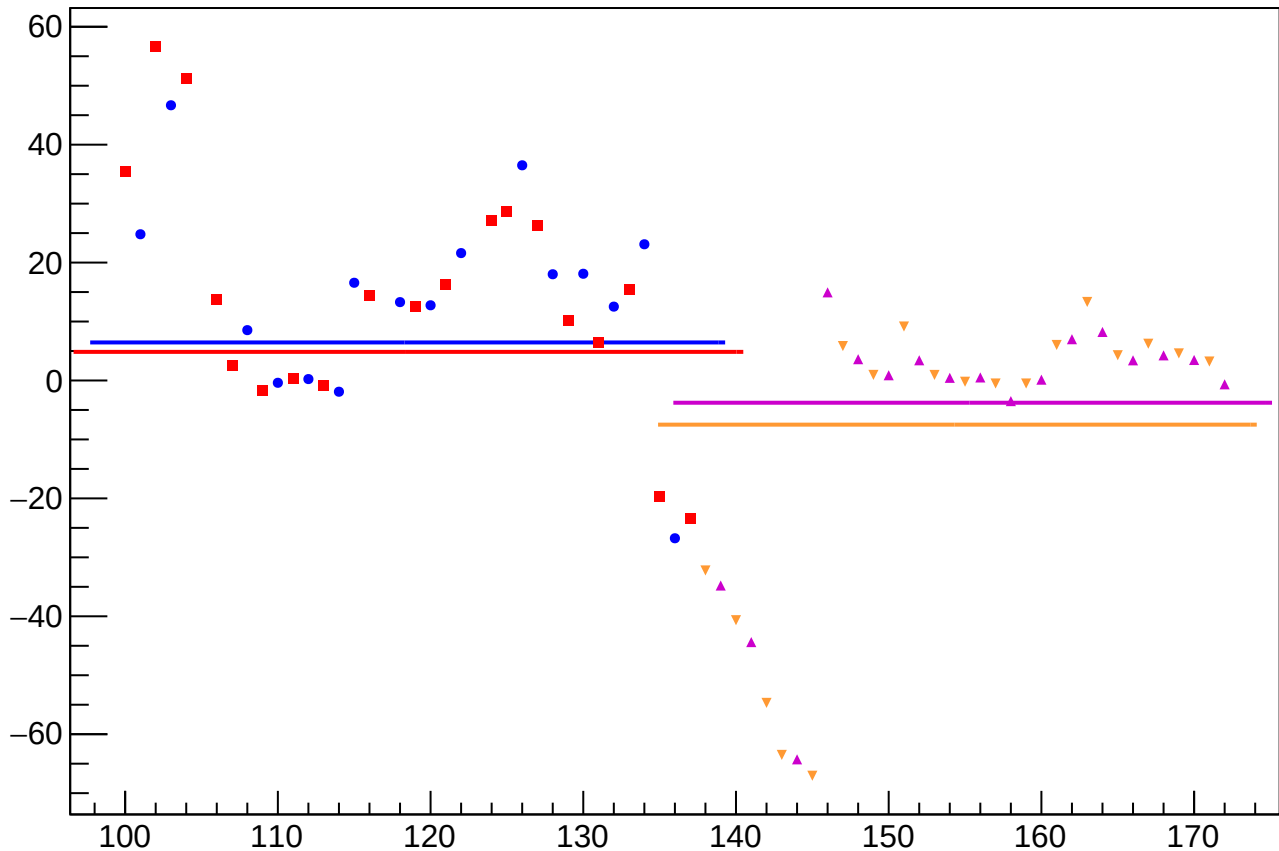
Left In: 0.626 $\pm$ 0.037 χ^2 /NDF: 6726.7/16

+ sign 0.872 $\pm$ 0.034 χ^2 /NDF: 9365.7/33

All: 0.813 $\pm$ 0.023 χ^2 /NDF: 17734.6/69

- sign 0.766 $\pm$ 0.031 χ^2 /NDF: 8363.6/35

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 6.453 $\pm$ 0.065 χ^2 /NDF: 70671.1/15

Left Out: -7.491 $\pm$ 0.056 χ^2 /NDF: 150619.4/17

Right Out: 4.854 $\pm$ 0.059 χ^2 /NDF: 75267.0/18

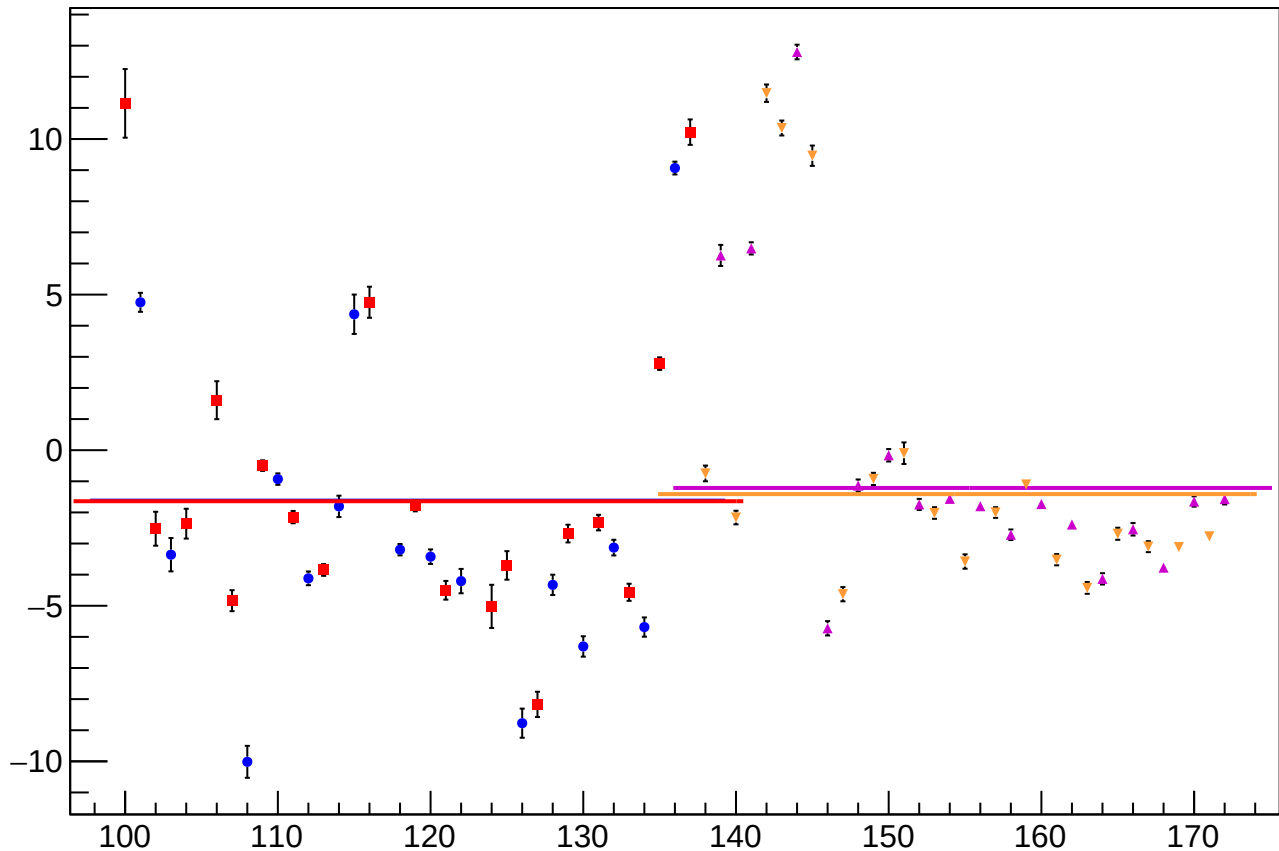
Left In: -3.774 $\pm$ 0.049 χ^2 /NDF: 119353.6/16

+ sign -1.517 $\pm$ 0.043 χ^2 /NDF: 247422.1/33

All: -0.805 $\pm$ 0.028 χ^2 /NDF: 455113.5/69

- sign -0.246 $\pm$ 0.038 χ^2 /NDF: 207195.2/35

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

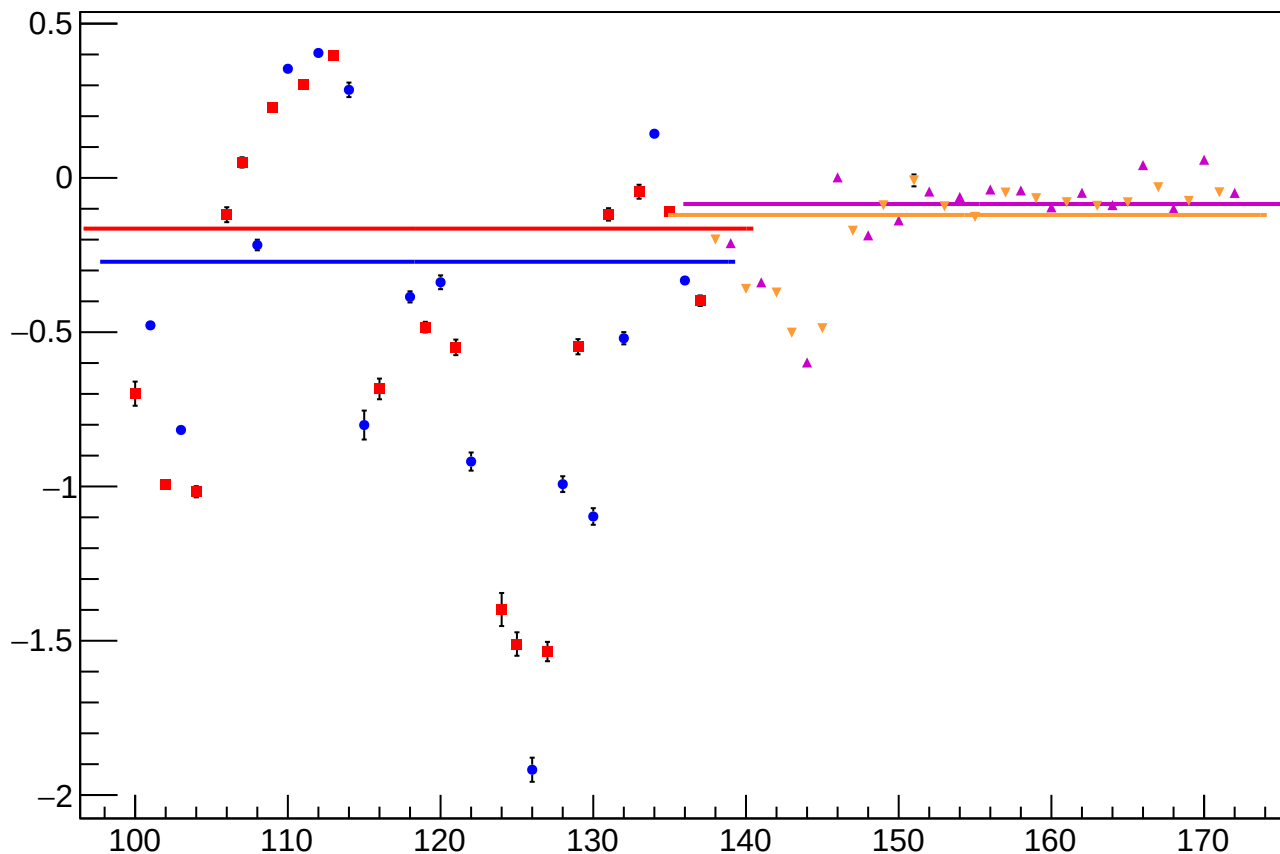
Left In: -1.213 ± 0.041 χ^2/NDF : 6736.7/16

+ sign -1.478 ± 0.039 χ^2/NDF : 11240.3/33

All: -1.400 ± 0.026 χ^2/NDF : 20477.2/69

- sign -1.338 ± 0.035 χ^2/NDF : 9229.8/35

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 $\chi^2/\text{NDF}: 12048.2/15$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 3337.7/17$

Right Out: -0.164 ± 0.004 $\chi^2/\text{NDF}: 15497.0/18$

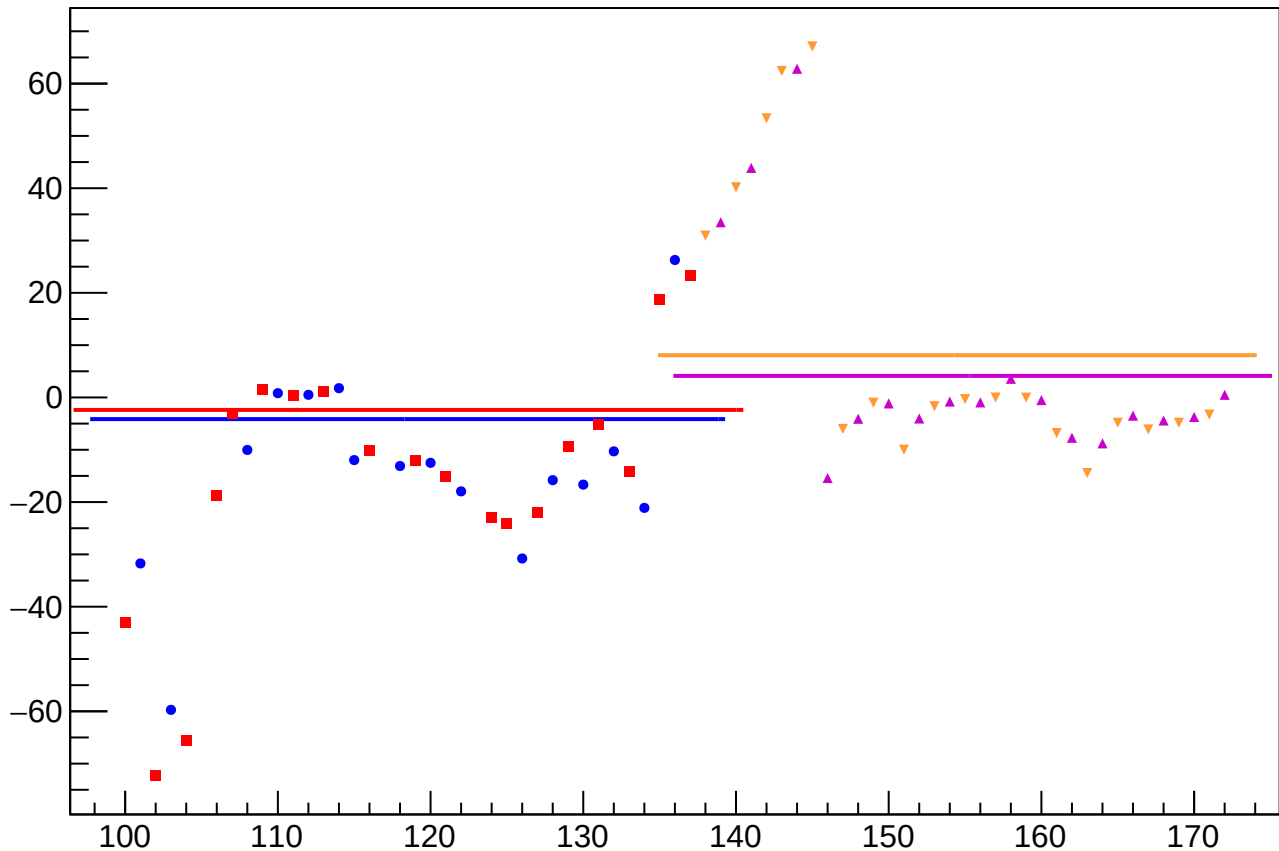
Left In: -0.085 ± 0.002 $\chi^2/\text{NDF}: 3682.9/16$

+ sign -0.150 ± 0.002 $\chi^2/\text{NDF}: 16455.5/33$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 36442.0/69$

- sign -0.099 ± 0.002 $\chi^2/\text{NDF}: 19543.0/35$

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

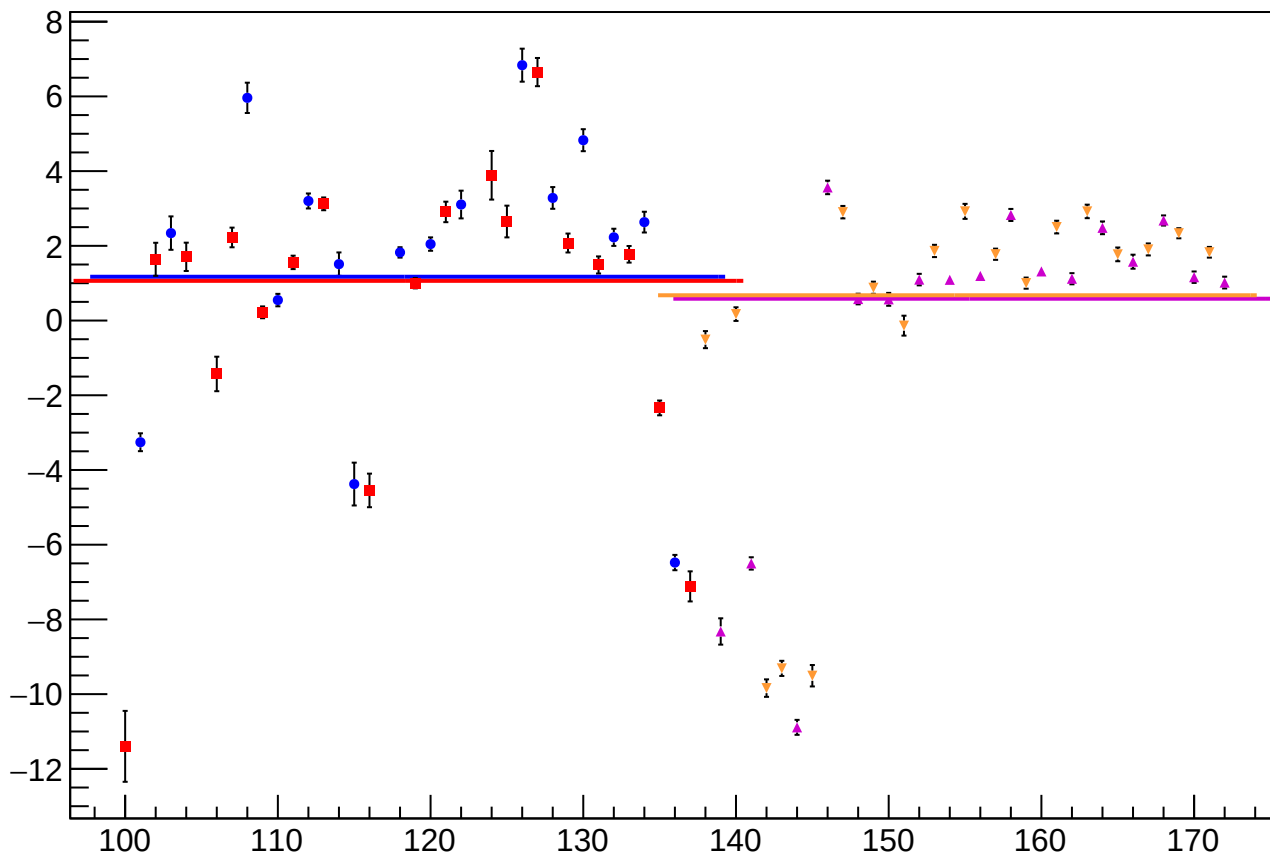
Left In: 4.125 ± 0.051 χ^2/NDF : 121739.7/16

+ sign 1.628 ± 0.039 χ^2/NDF : 253669.8/33

All: 1.008 ± 0.026 χ^2/NDF : 465573.0/69

- sign 0.548 ± 0.034 χ^2/NDF : 211473.3/35

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.172 $\pm$ 0.060 χ^2 /NDF: 2584.5/15

Left Out: 0.677 $\pm$ 0.042 χ^2 /NDF: 6740.0/17

Right Out: 1.063 $\pm$ 0.057 χ^2 /NDF: 1596.5/18

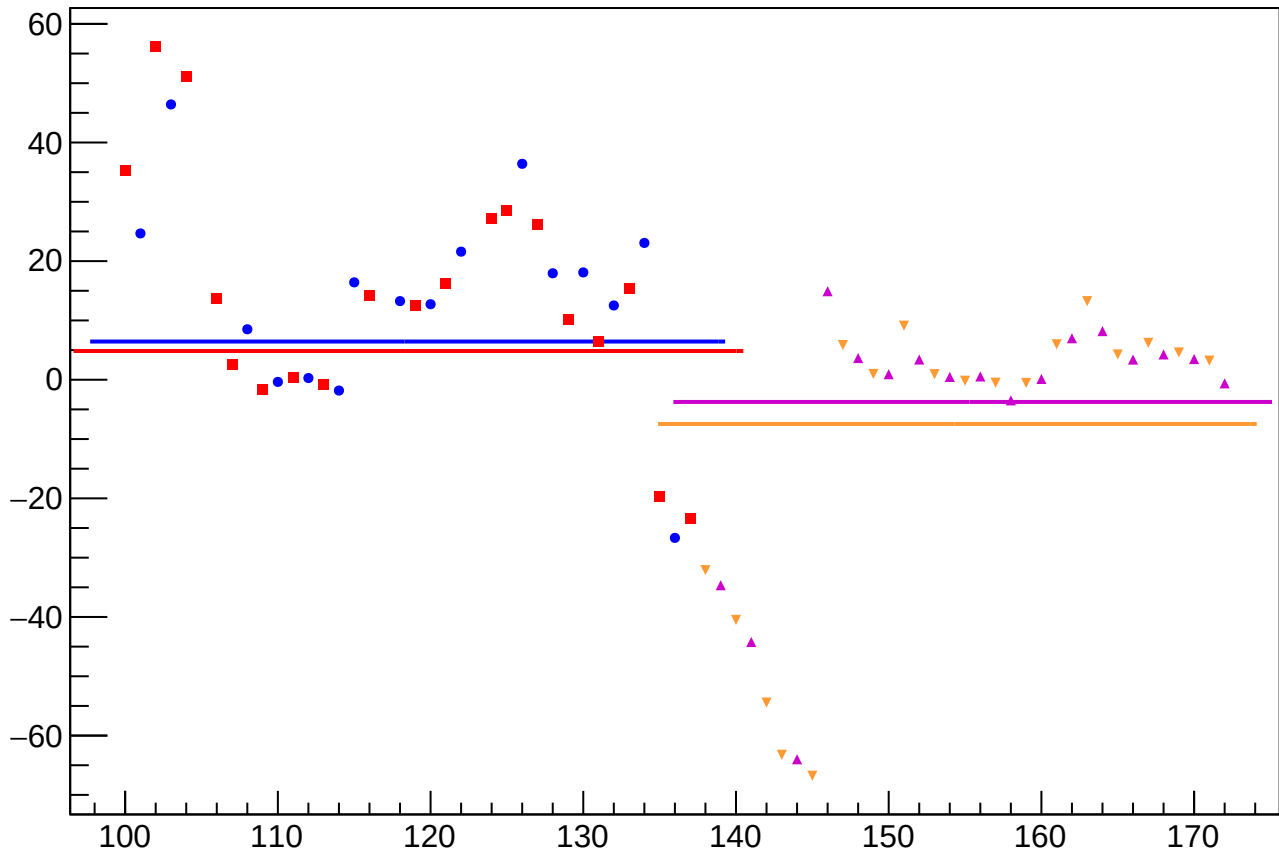
Left In: 0.584 $\pm$ 0.037 χ^2 /NDF: 6742.2/16

+ sign 0.837 $\pm$ 0.034 χ^2 /NDF: 9370.4/33

All: 0.775 $\pm$ 0.023 χ^2 /NDF: 17765.2/69

- sign 0.724 $\pm$ 0.031 χ^2 /NDF: 8388.7/35

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

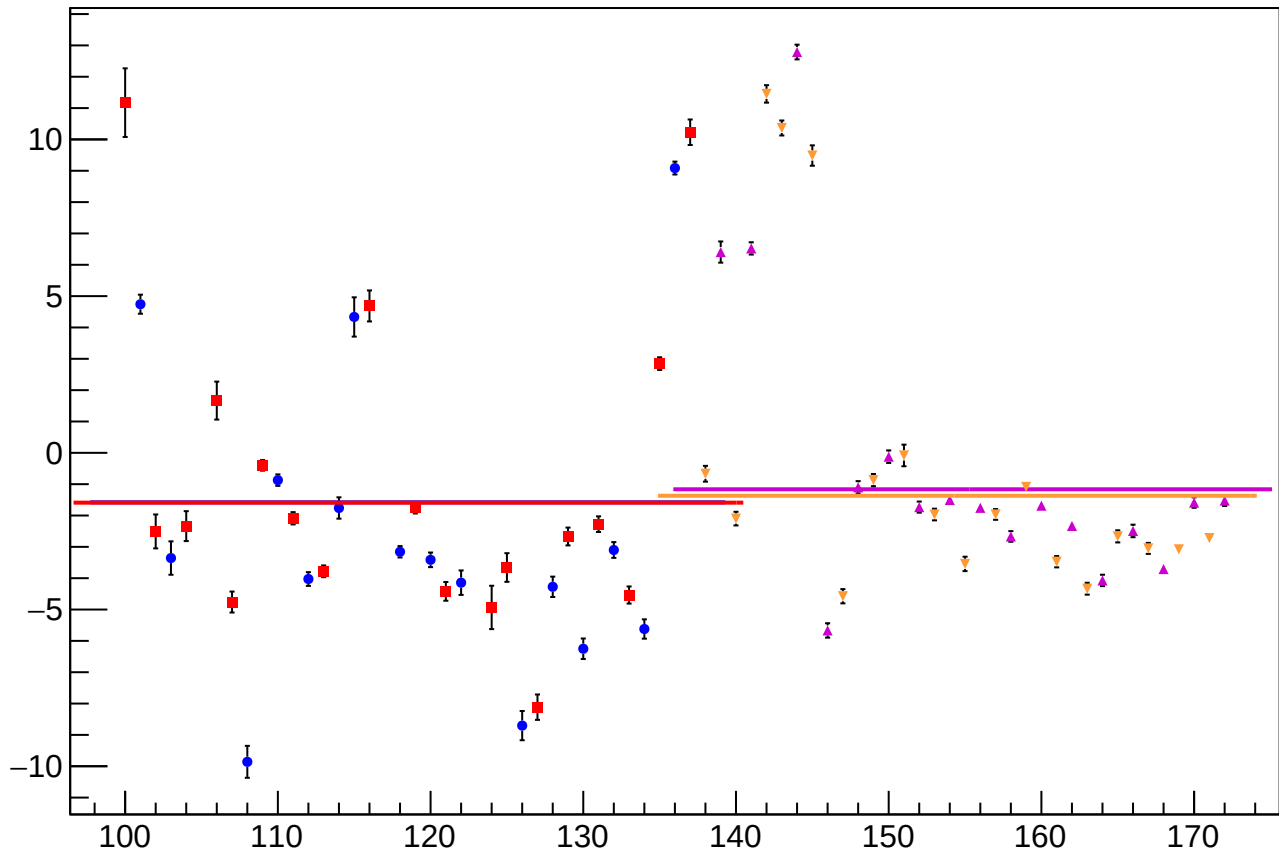
Left In: -3.745 ± 0.049 χ^2/NDF : 119240.5/16

+ sign -1.485 ± 0.043 χ^2/NDF : 247197.8/33

All: -0.776 ± 0.028 χ^2/NDF : 454679.7/69

- sign -0.219 ± 0.038 χ^2/NDF : 206984.9/35

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.580 ± 0.069 $\chi^2/\text{NDF}: 4524.3/15$

Left Out: -1.369 ± 0.047 $\chi^2/\text{NDF}: 6707.4/17$

Right Out: -1.589 ± 0.064 $\chi^2/\text{NDF}: 2472.2/18$

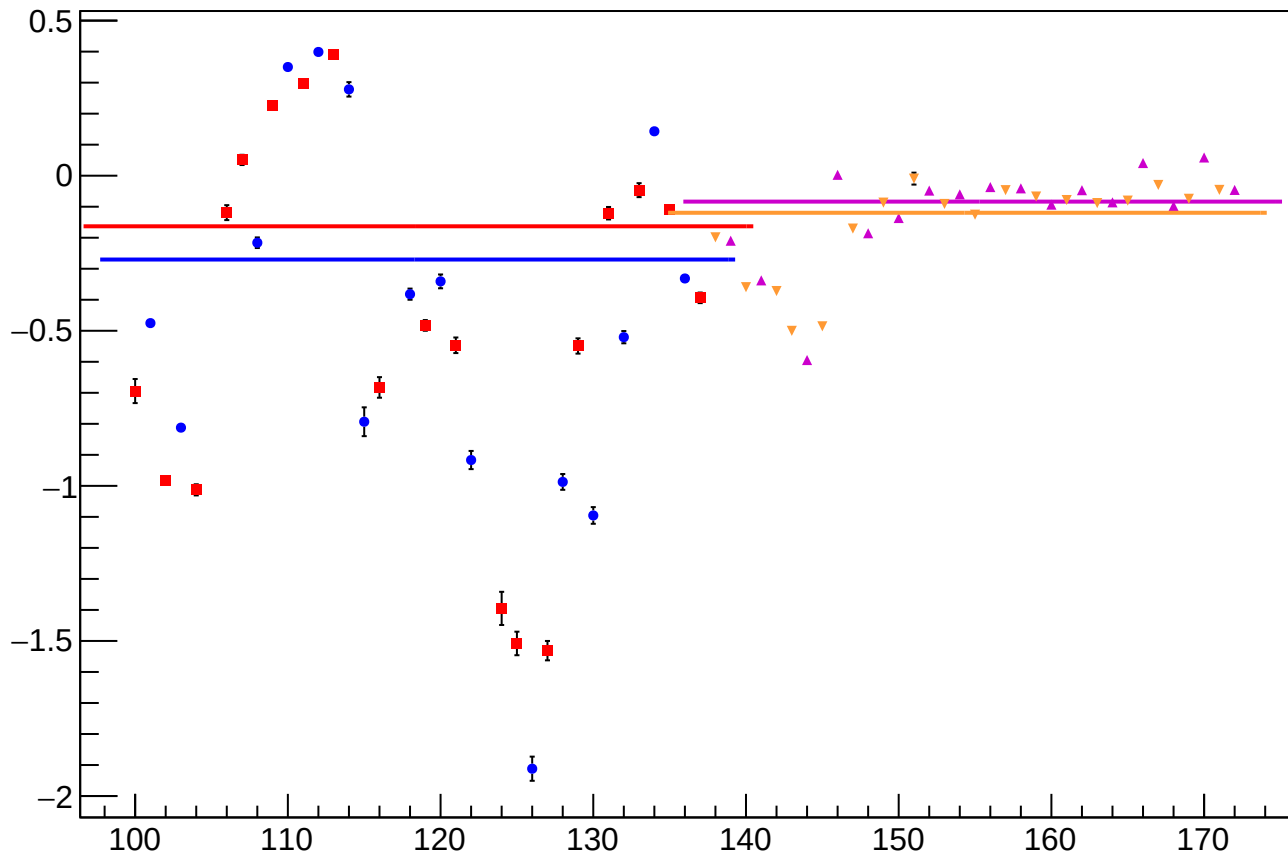
Left In: -1.163 ± 0.041 $\chi^2/\text{NDF}: 6749.8/16$

+ sign -1.436 ± 0.039 $\chi^2/\text{NDF}: 11238.0/33$

All: -1.353 ± 0.026 $\chi^2/\text{NDF}: 20499.2/69$

- sign -1.288 ± 0.035 $\chi^2/\text{NDF}: 9253.2/35$

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

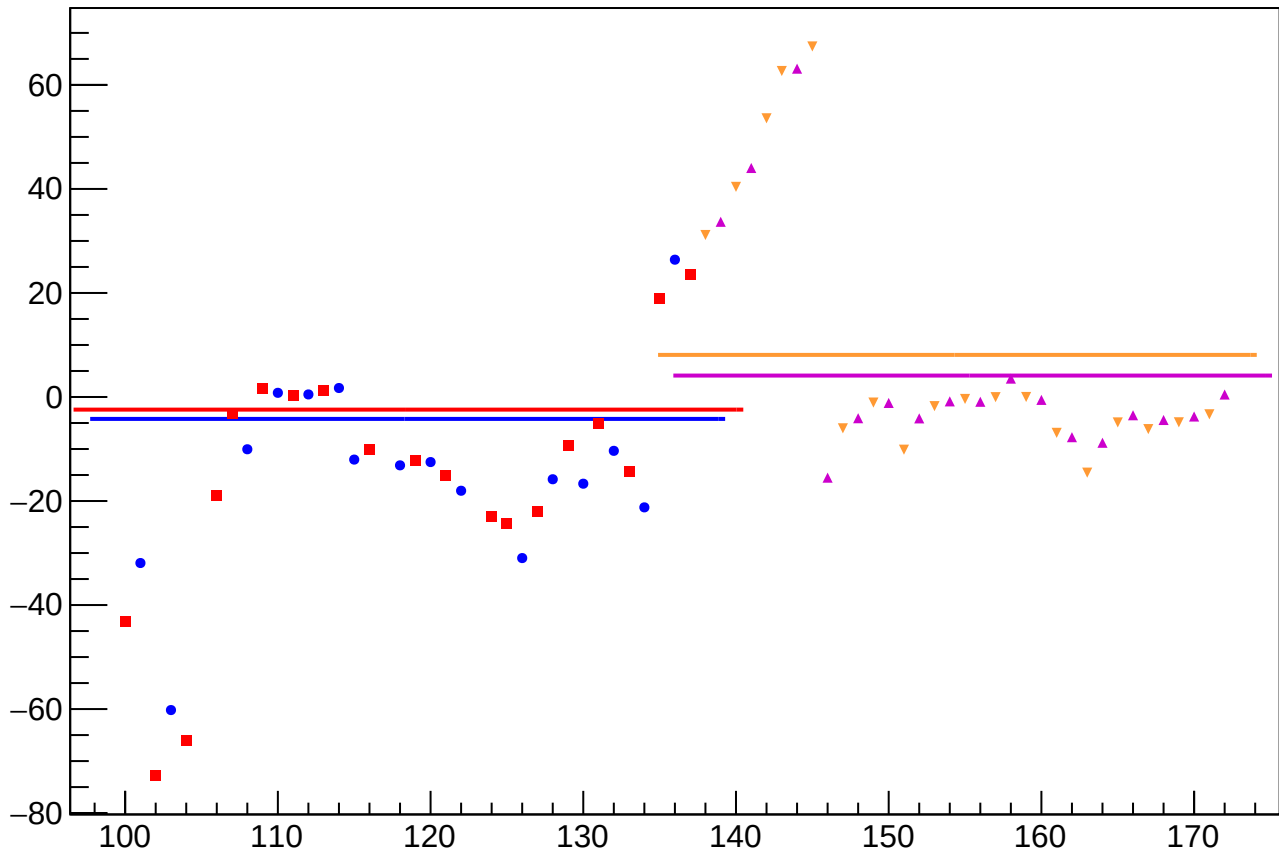
Left In: -0.084 ± 0.002 χ^2/NDF : 3667.3/16

+ sign -0.149 ± 0.002 χ^2/NDF : 16454.0/33

All: -0.120 ± 0.001 χ^2/NDF : 36449.4/69

- sign -0.098 ± 0.002 χ^2/NDF : 19542.2/35

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -4.214 ± 0.055 $\chi^2/\text{NDF}: 75215.4/15$

Left Out: 8.093 ± 0.058 $\chi^2/\text{NDF}: 154928.2/17$

Right Out: -2.427 ± 0.046 $\chi^2/\text{NDF}: 80724.5/18$

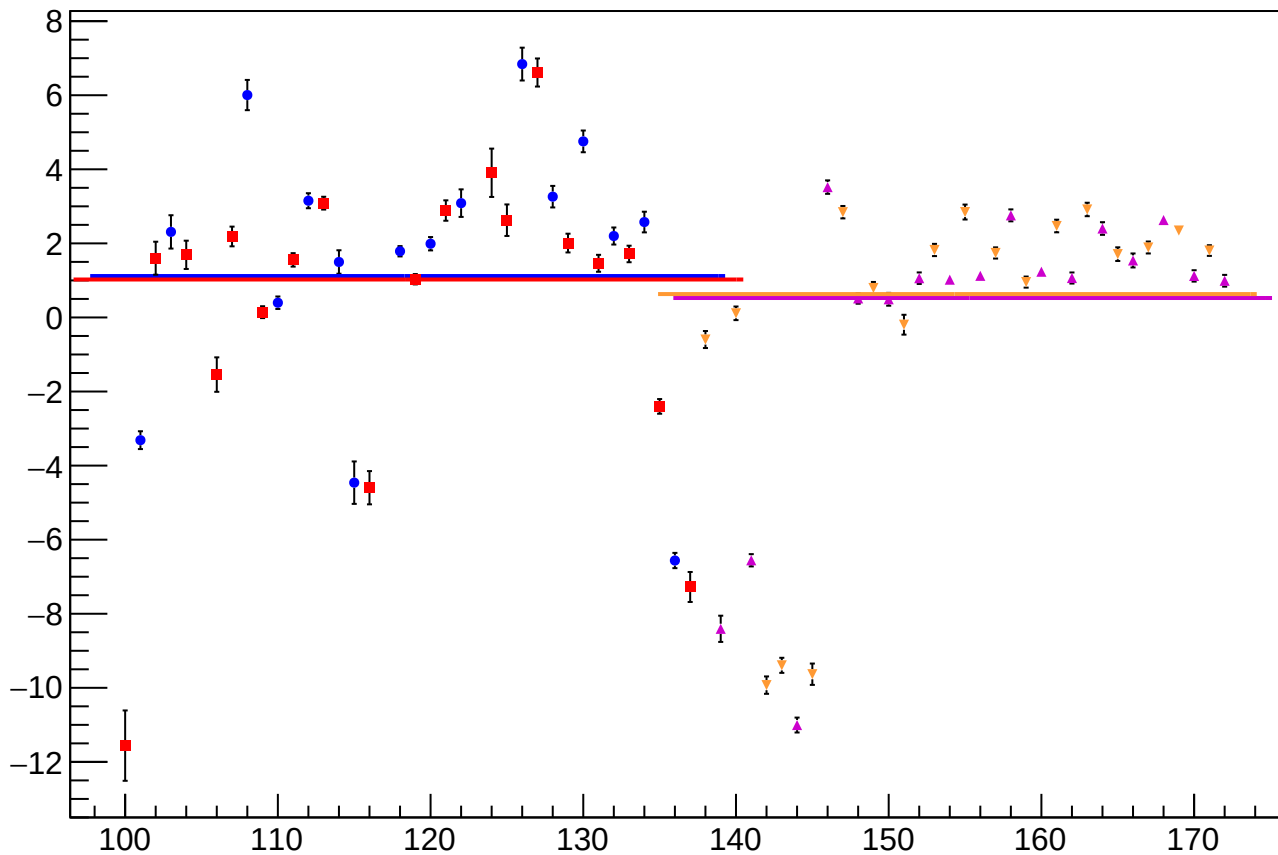
Left In: 4.119 ± 0.051 $\chi^2/\text{NDF}: 121864.4/16$

+ sign 1.611 ± 0.040 $\chi^2/\text{NDF}: 254096.2/33$

All: 0.991 ± 0.026 $\chi^2/\text{NDF}: 466193.3/69$

- sign 0.532 ± 0.034 $\chi^2/\text{NDF}: 211672.8/35$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118 $\pm$ 0.060 χ^2 /NDF: 2591.7/15

Left Out: 0.631 $\pm$ 0.042 χ^2 /NDF: 6762.0/17

Right Out: 1.025 $\pm$ 0.057 χ^2 /NDF: 1612.0/18

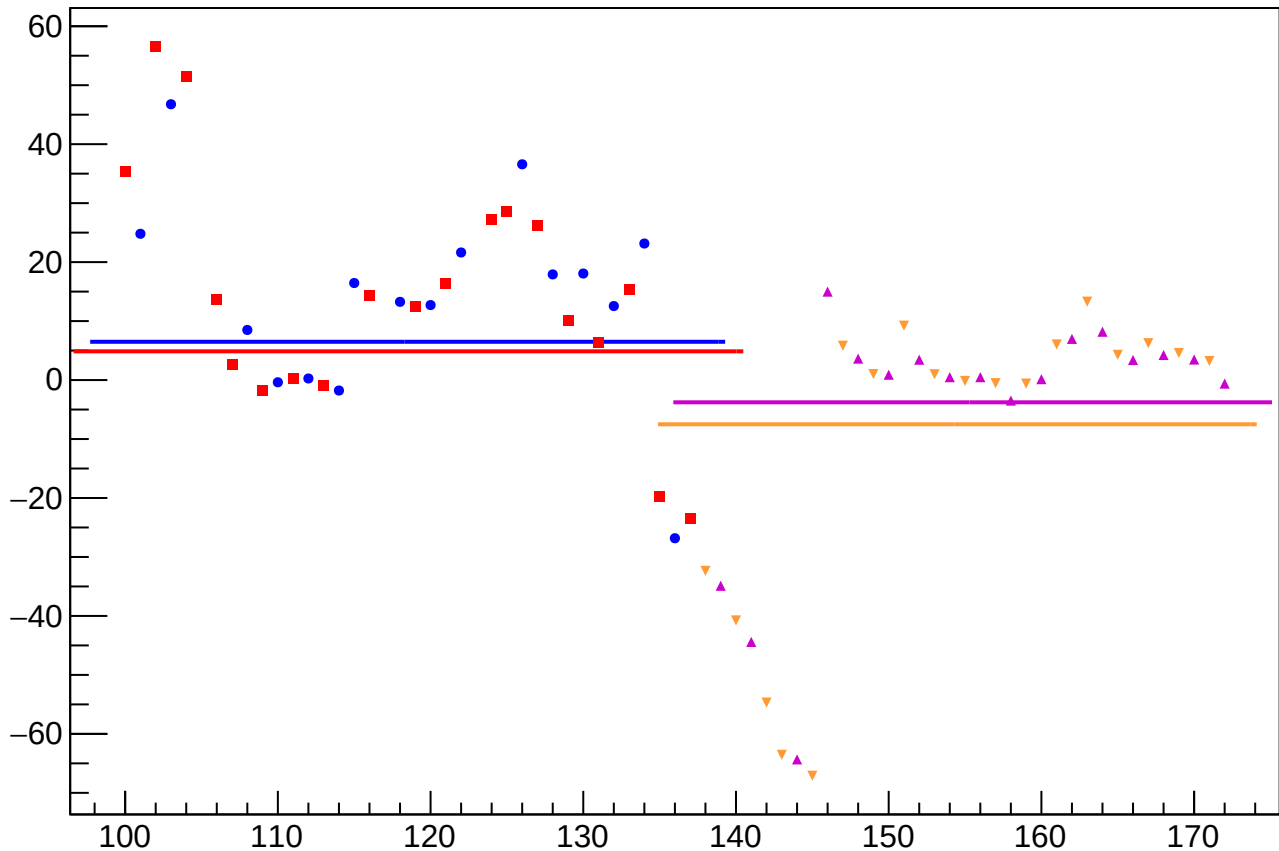
Left In: 0.525 $\pm$ 0.037 χ^2 /NDF: 6721.6/16

+ sign 0.789 $\pm$ 0.034 χ^2 /NDF: 9397.6/33

All: 0.723 $\pm$ 0.023 χ^2 /NDF: 17791.7/69

- sign 0.670 $\pm$ 0.031 χ^2 /NDF: 8387.6/35

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

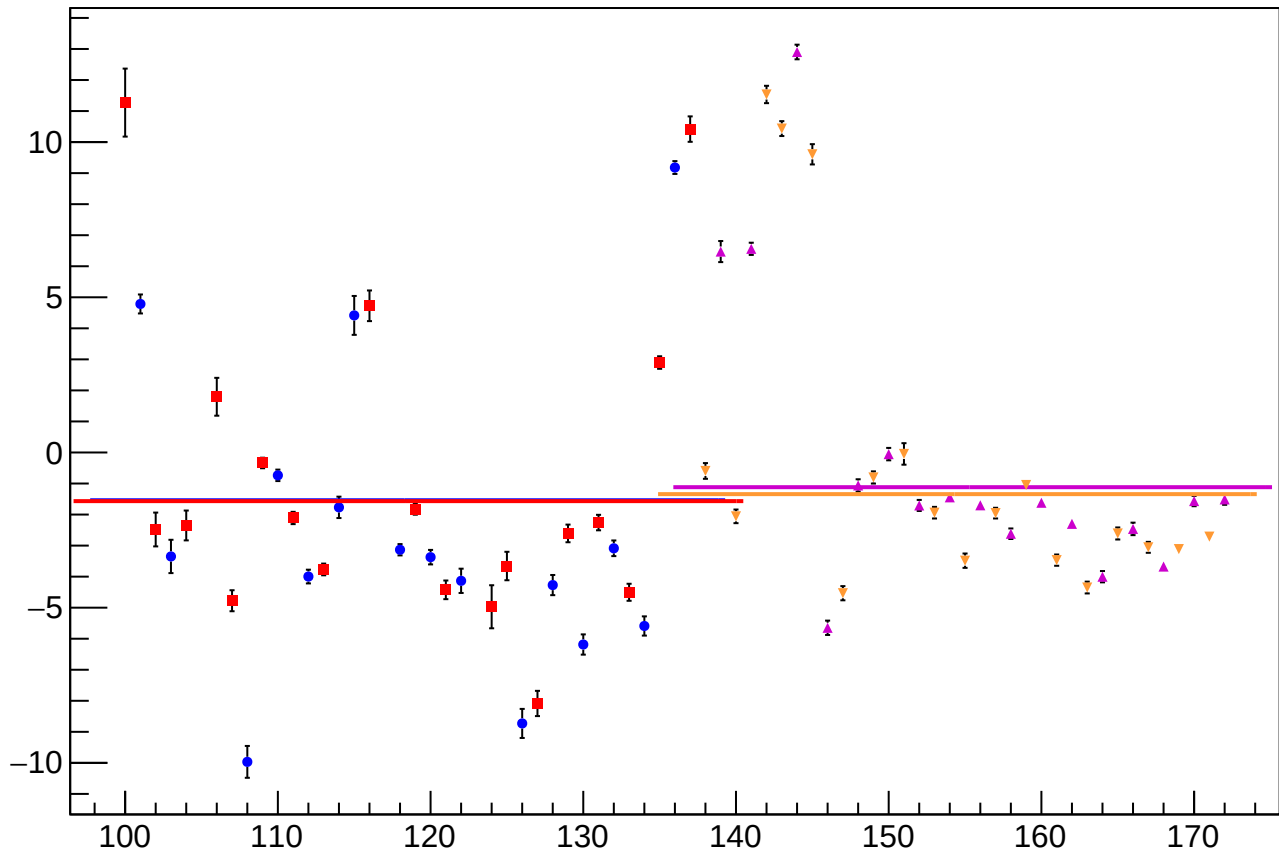
Left In: -3.774 ± 0.049 χ^2/NDF : 119372.5/16

+ sign -1.501 ± 0.043 χ^2/NDF : 247650.8/33

All: -0.794 ± 0.028 χ^2/NDF : 455374.9/69

- sign -0.239 ± 0.038 χ^2/NDF : 207235.3/35

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

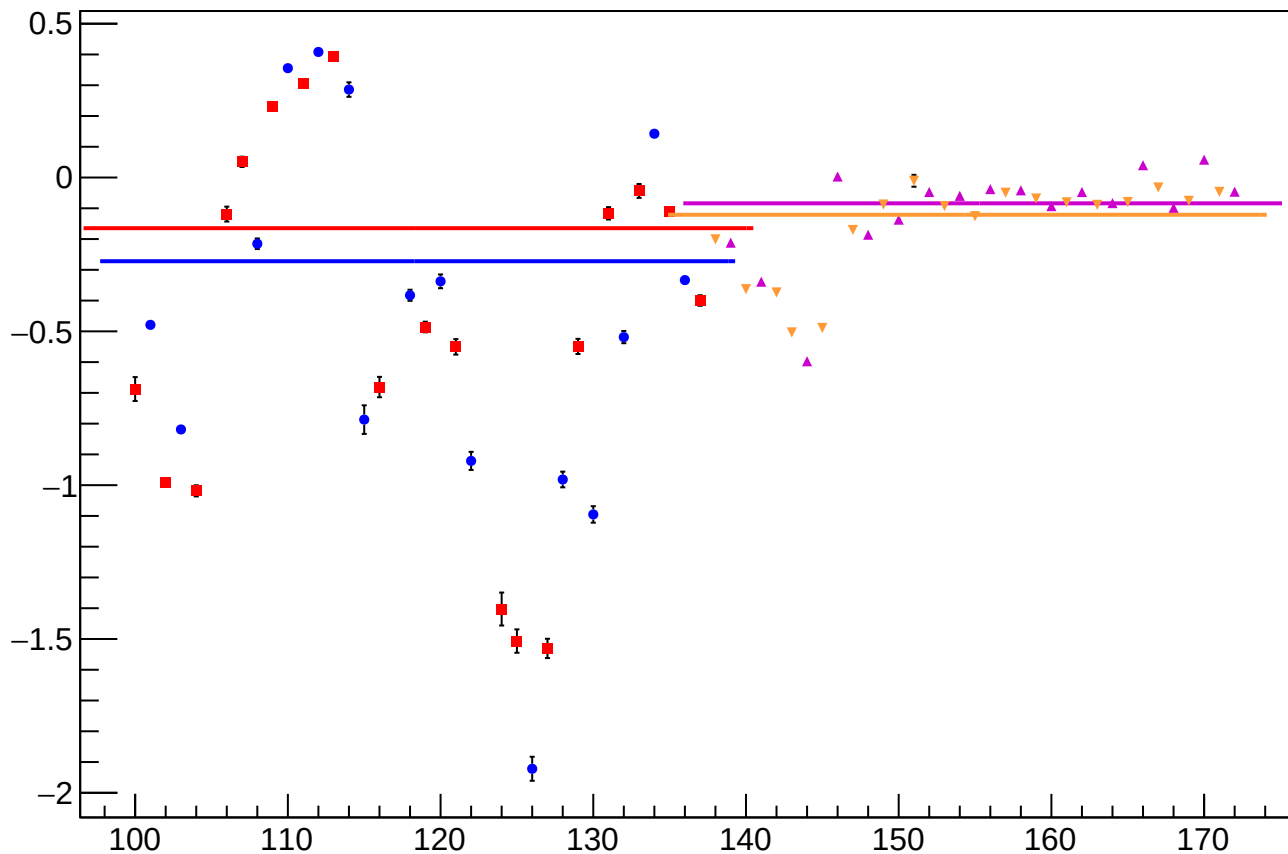
Left In: -1.118 ± 0.041 χ^2/NDF : 6734.1/16

+ sign -1.404 ± 0.039 χ^2/NDF : 11273.9/33

All: -1.318 ± 0.026 χ^2/NDF : 20548.1/69

- sign -1.249 ± 0.035 χ^2/NDF : 9265.4/35

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.004 $\chi^2/\text{NDF}: 12063.6/15$

Left Out: -0.121 ± 0.002 $\chi^2/\text{NDF}: 3349.8/17$

Right Out: -0.165 ± 0.004 $\chi^2/\text{NDF}: 15490.5/18$

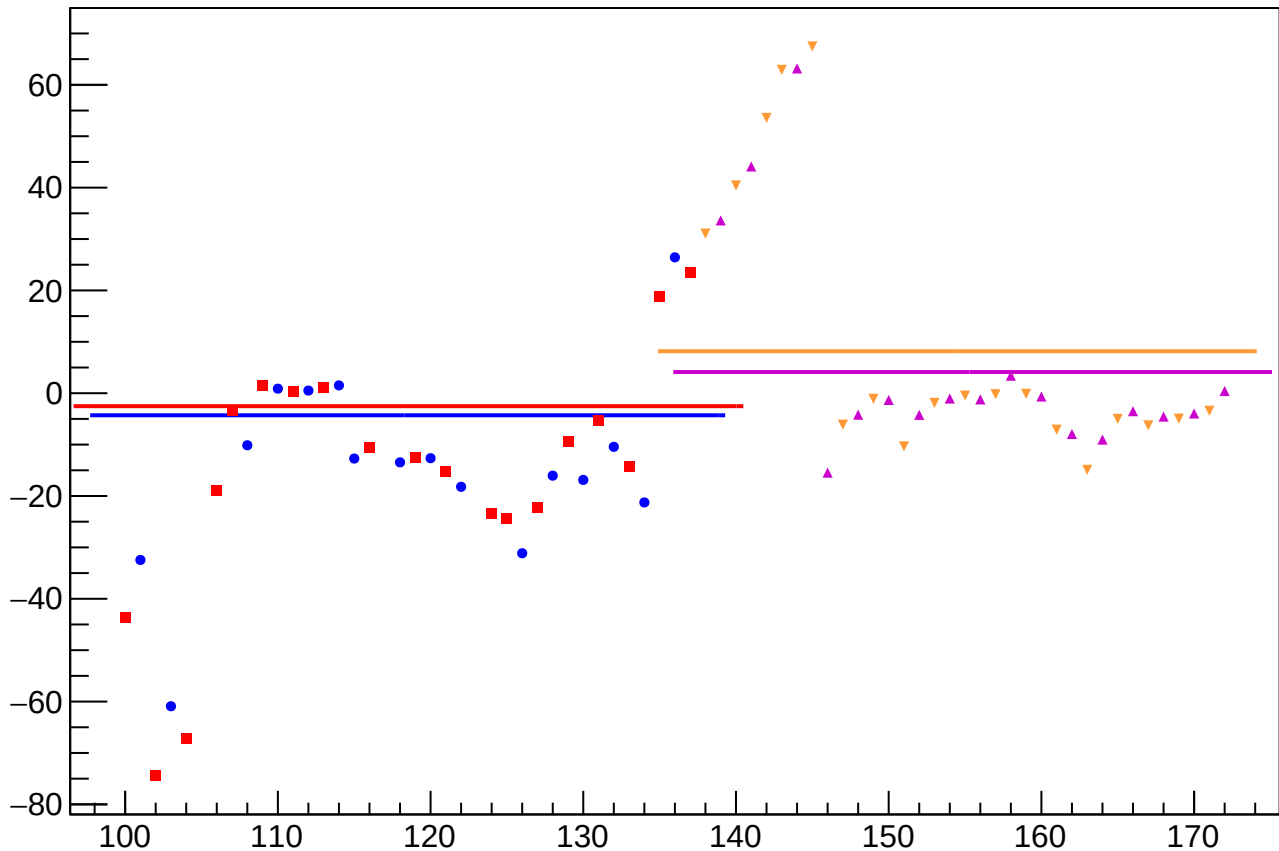
Left In: -0.084 ± 0.002 $\chi^2/\text{NDF}: 3663.9/16$

+ sign -0.151 ± 0.002 $\chi^2/\text{NDF}: 16472.5/33$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 36467.1/69$

- sign -0.098 ± 0.002 $\chi^2/\text{NDF}: 19527.1/35$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.296 ± 0.056 $\chi^2/\text{NDF}: 74218.3/15$

Left Out: 8.164 ± 0.059 $\chi^2/\text{NDF}: 152669.5/17$

Right Out: -2.524 ± 0.047 $\chi^2/\text{NDF}: 79883.8/18$

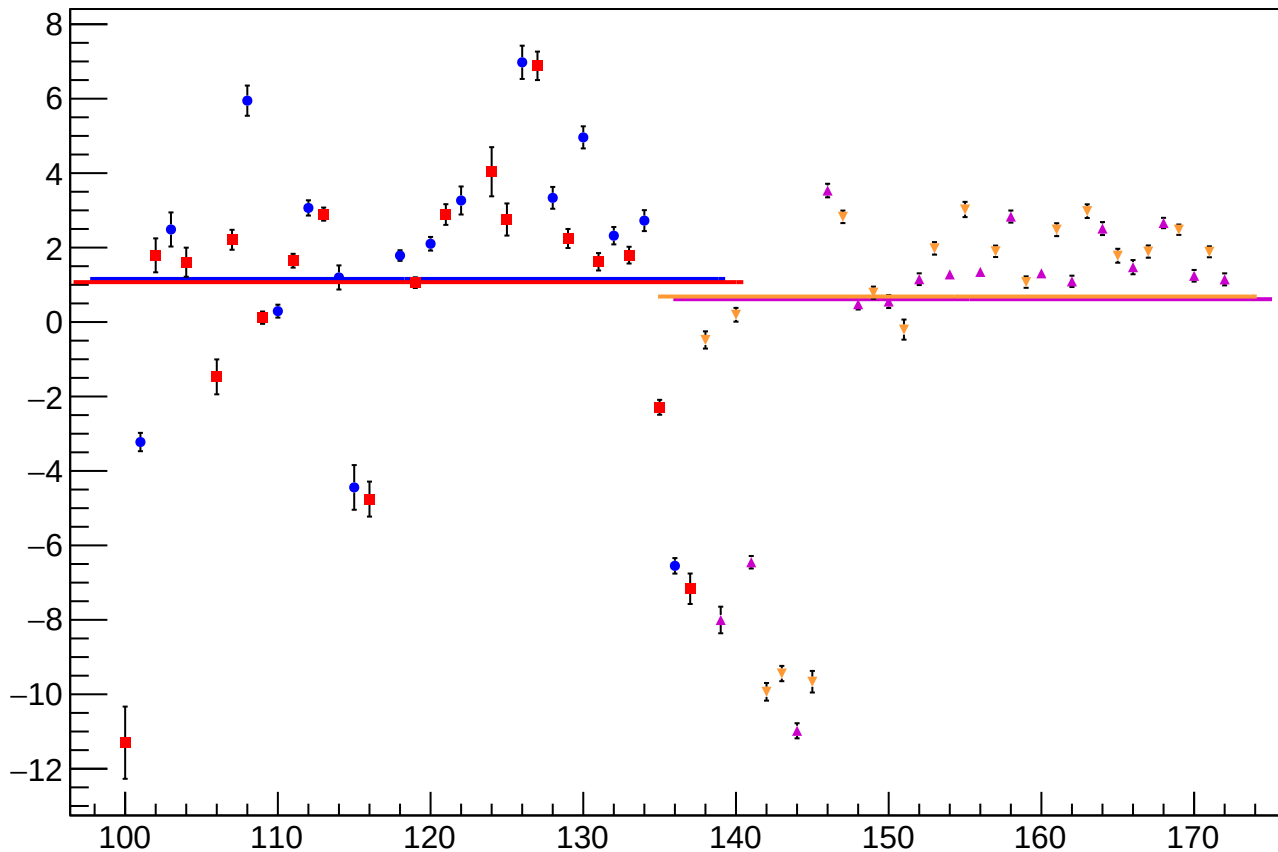
Left In: 4.120 ± 0.052 $\chi^2/\text{NDF}: 119955.1/16$

+ sign 1.619 ± 0.040 $\chi^2/\text{NDF}: 250610.5/33$

All: 0.971 ± 0.026 $\chi^2/\text{NDF}: 459869.1/69$

- sign 0.487 ± 0.035 $\chi^2/\text{NDF}: 208809.2/35$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158 $\pm$ 0.062 χ^2 /NDF: 2549.9/15

Left Out: 0.685 $\pm$ 0.042 χ^2 /NDF: 6743.7/17

Right Out: 1.072 $\pm$ 0.058 χ^2 /NDF: 1551.4/18

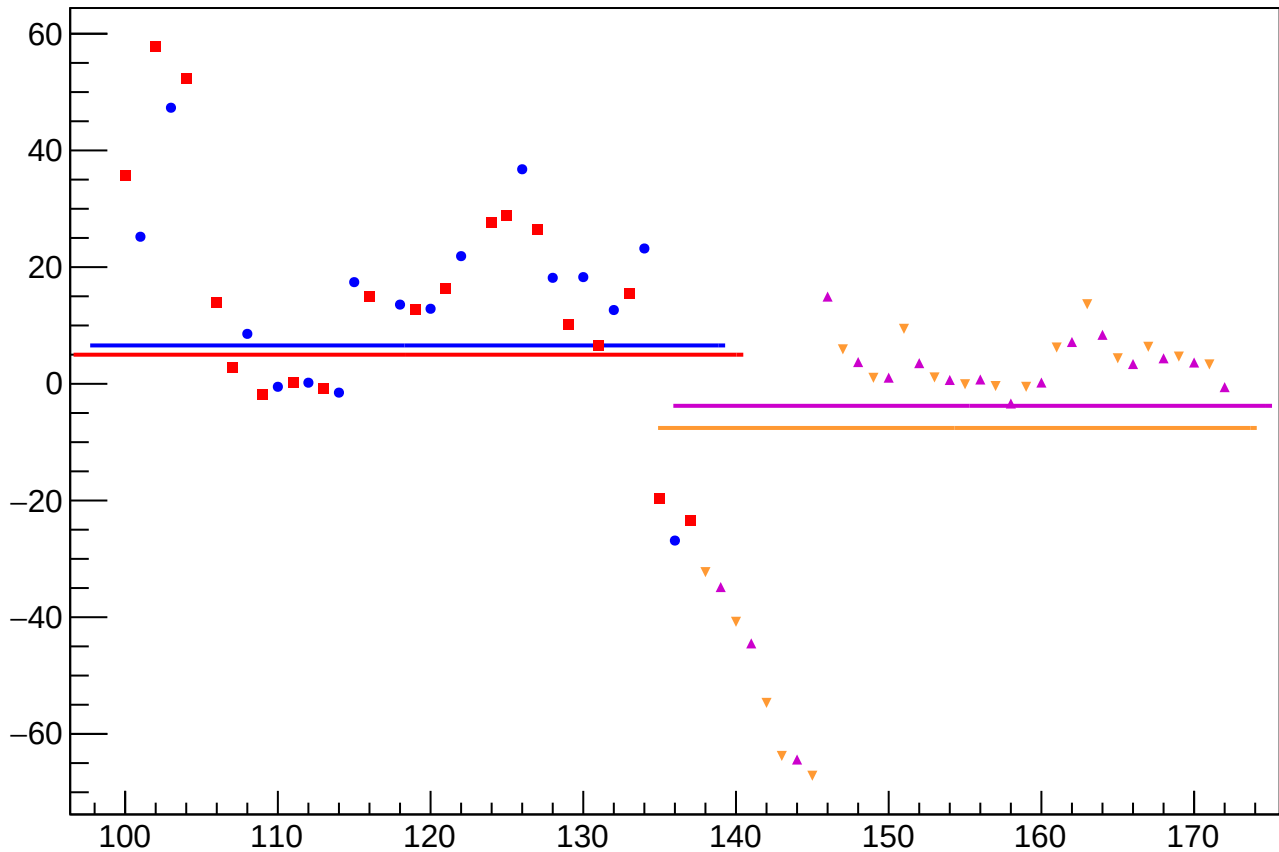
Left In: 0.614 $\pm$ 0.037 χ^2 /NDF: 6565.5/16

+ sign 0.837 $\pm$ 0.035 χ^2 /NDF: 9333.5/33

All: 0.788 $\pm$ 0.023 χ^2 /NDF: 17497.9/69

- sign 0.747 $\pm$ 0.032 χ^2 /NDF: 8160.7/35

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 6.578 $\pm$ 0.066 χ^2 /NDF: 69731.5/15

Left Out: -7.564 $\pm$ 0.057 χ^2 /NDF:148542.4/17

Right Out: 4.992 $\pm$ 0.060 χ^2 /NDF: 74461.3/18

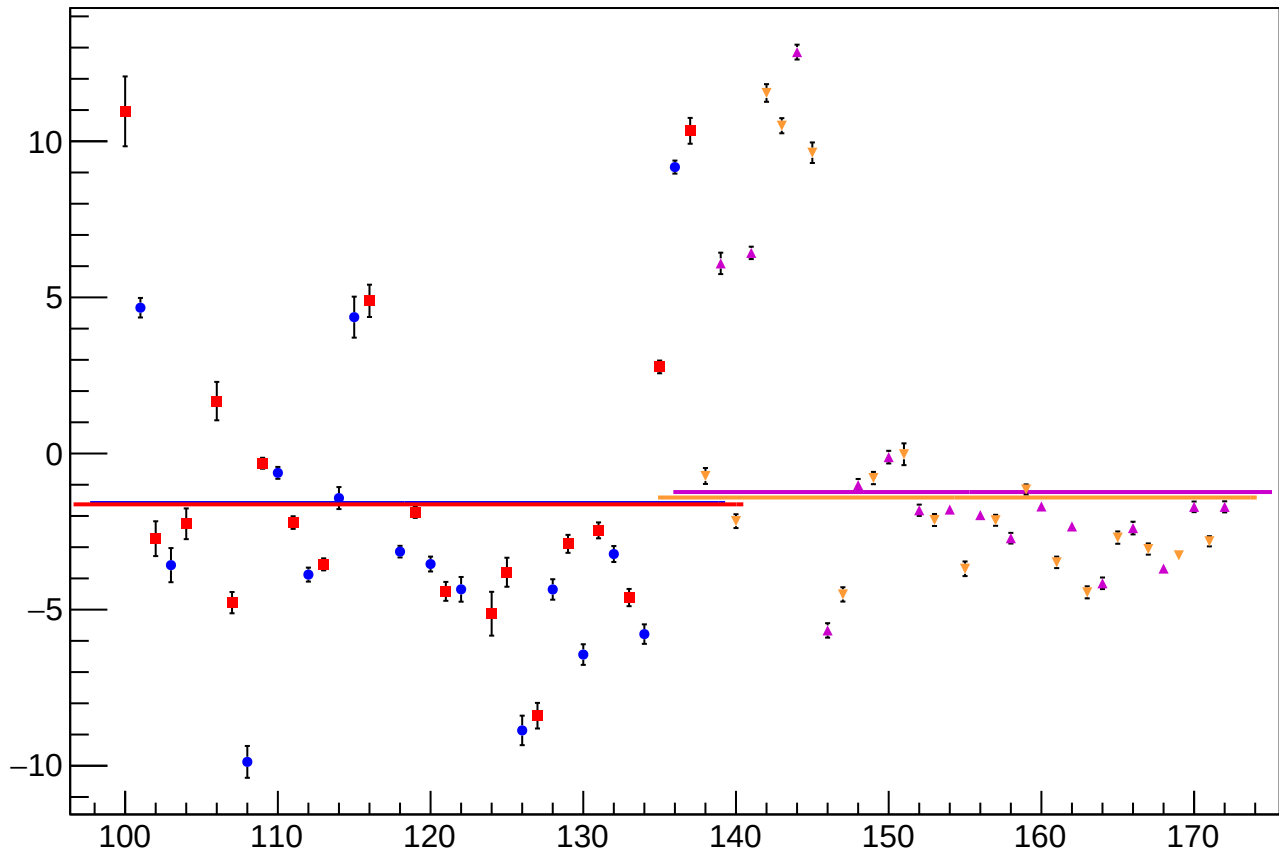
Left In: -3.769 $\pm$ 0.050 χ^2 /NDF:117485.0/16

+ sign -1.511 $\pm$ 0.043 χ^2 /NDF: 244224.3/33

All: -0.771 $\pm$ 0.029 χ^2 /NDF: 449116.3/69

- sign -0.185 $\pm$ 0.039 χ^2 /NDF: 204371.9/35

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

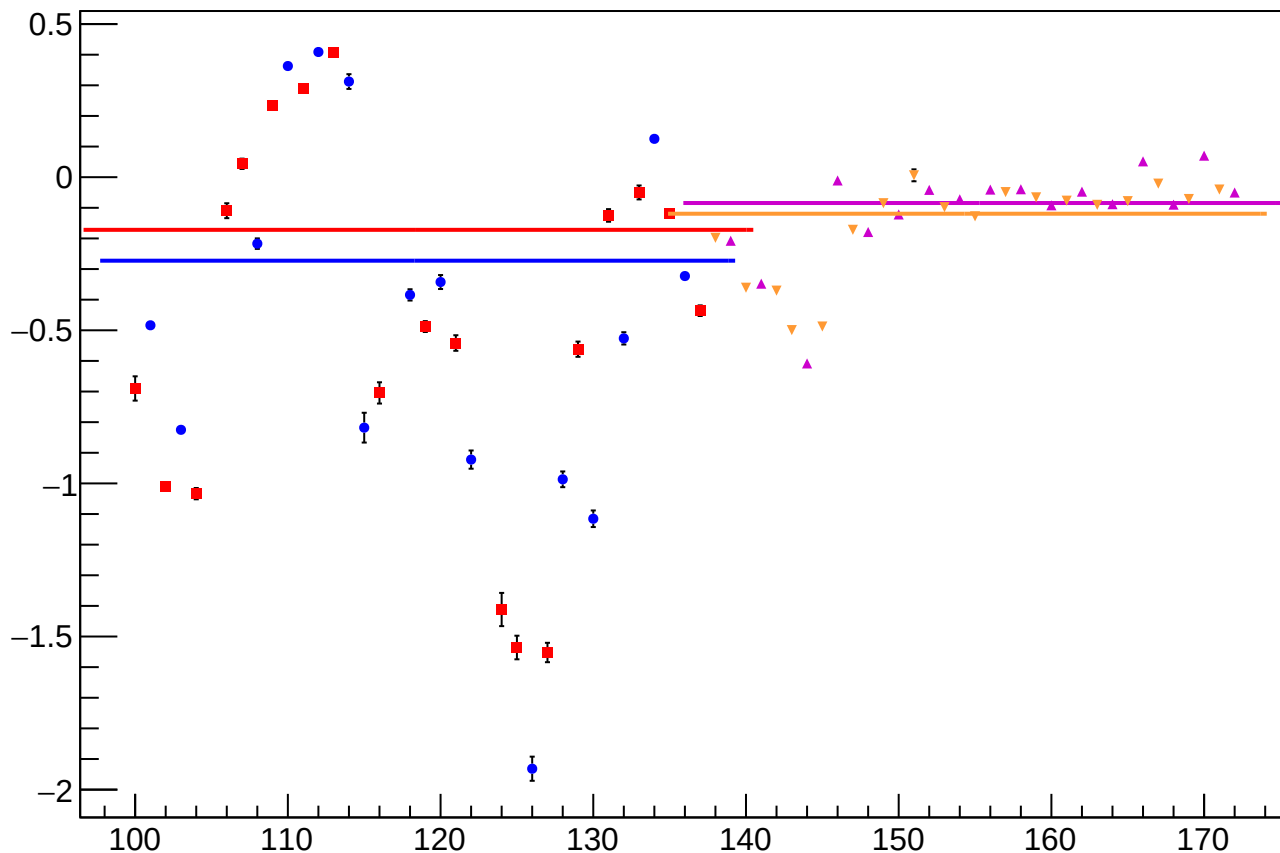
Left In: -1.234 ± 0.042 χ^2/NDF : 6567.2/16

+ sign -1.465 ± 0.040 χ^2/NDF : 11187.5/33

All: -1.400 ± 0.026 χ^2/NDF : 20207.1/69

- sign -1.349 ± 0.036 χ^2/NDF : 9014.9/35

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

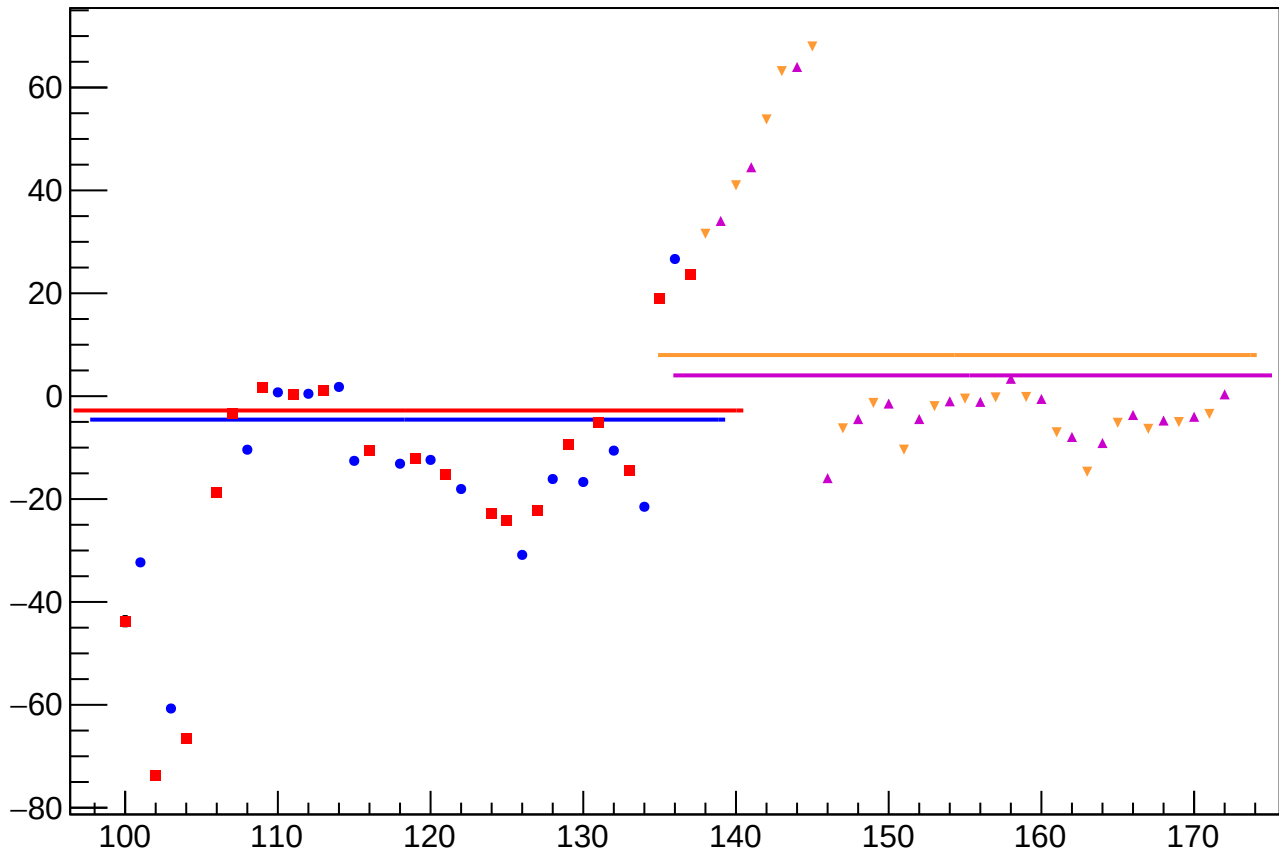
Left In: -0.084 ± 0.002 χ^2/NDF : 3718.5/16

+ sign -0.150 ± 0.002 χ^2/NDF : 16227.8/33

All: -0.121 ± 0.001 χ^2/NDF : 36091.1/69

- sign -0.100 ± 0.002 χ^2/NDF : 19462.6/35

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.557 ± 0.057 $\chi^2/\text{NDF}: 72635.2/15$

Left Out: 7.994 ± 0.059 $\chi^2/\text{NDF}: 150824.2/17$

Right Out: -2.780 ± 0.049 $\chi^2/\text{NDF}: 77905.3/18$

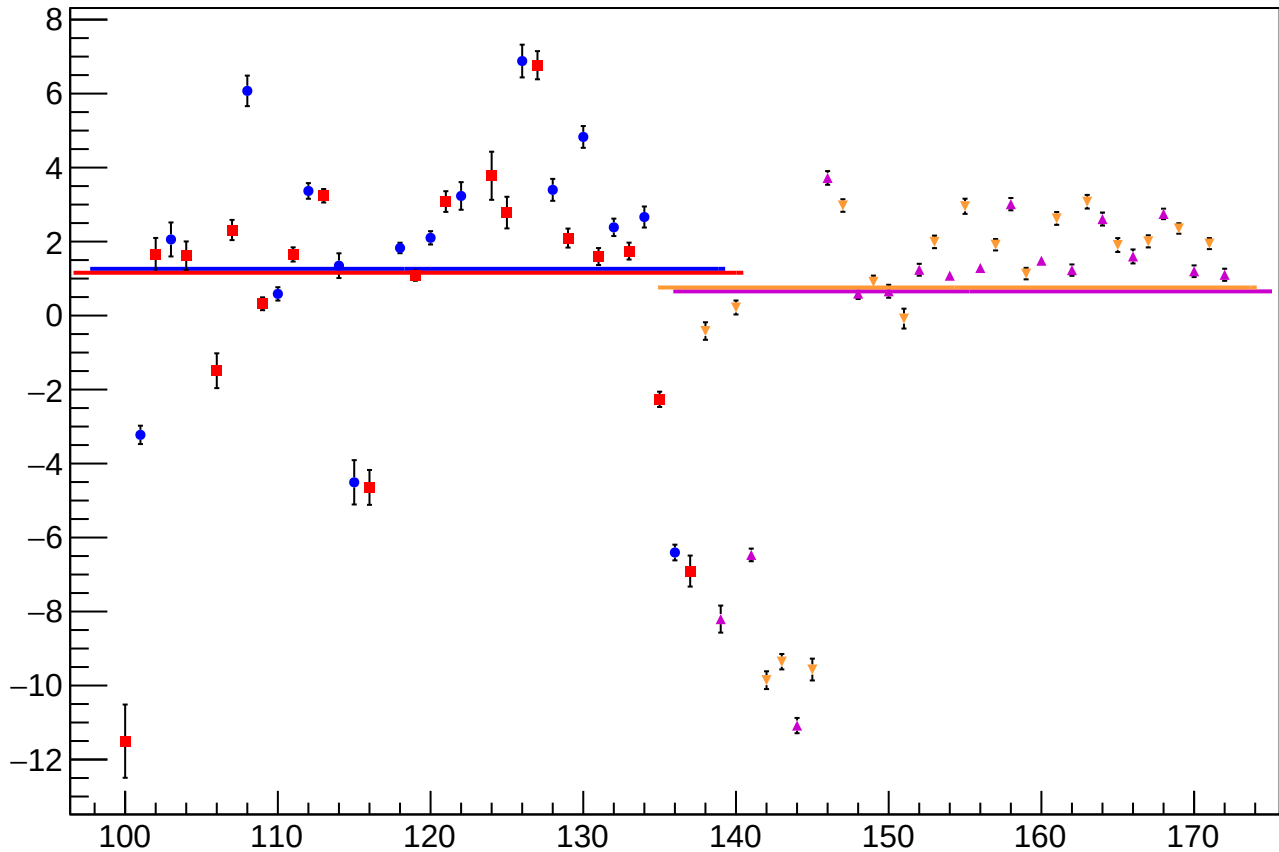
Left In: 4.039 ± 0.053 $\chi^2/\text{NDF}: 118697.8/16$

+ sign 1.457 ± 0.041 $\chi^2/\text{NDF}: 246855.1/33$

All: 0.830 ± 0.027 $\chi^2/\text{NDF}: 452957.4/69$

- sign 0.356 ± 0.036 $\chi^2/\text{NDF}: 205691.6/35$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.263 $\pm$ 0.062 χ^2 /NDF: 2443.8/15

Left Out: 0.759 $\pm$ 0.043 χ^2 /NDF:6530.2/17

Right Out: 1.157 $\pm$ 0.059 χ^2 /NDF: 1490.5/18

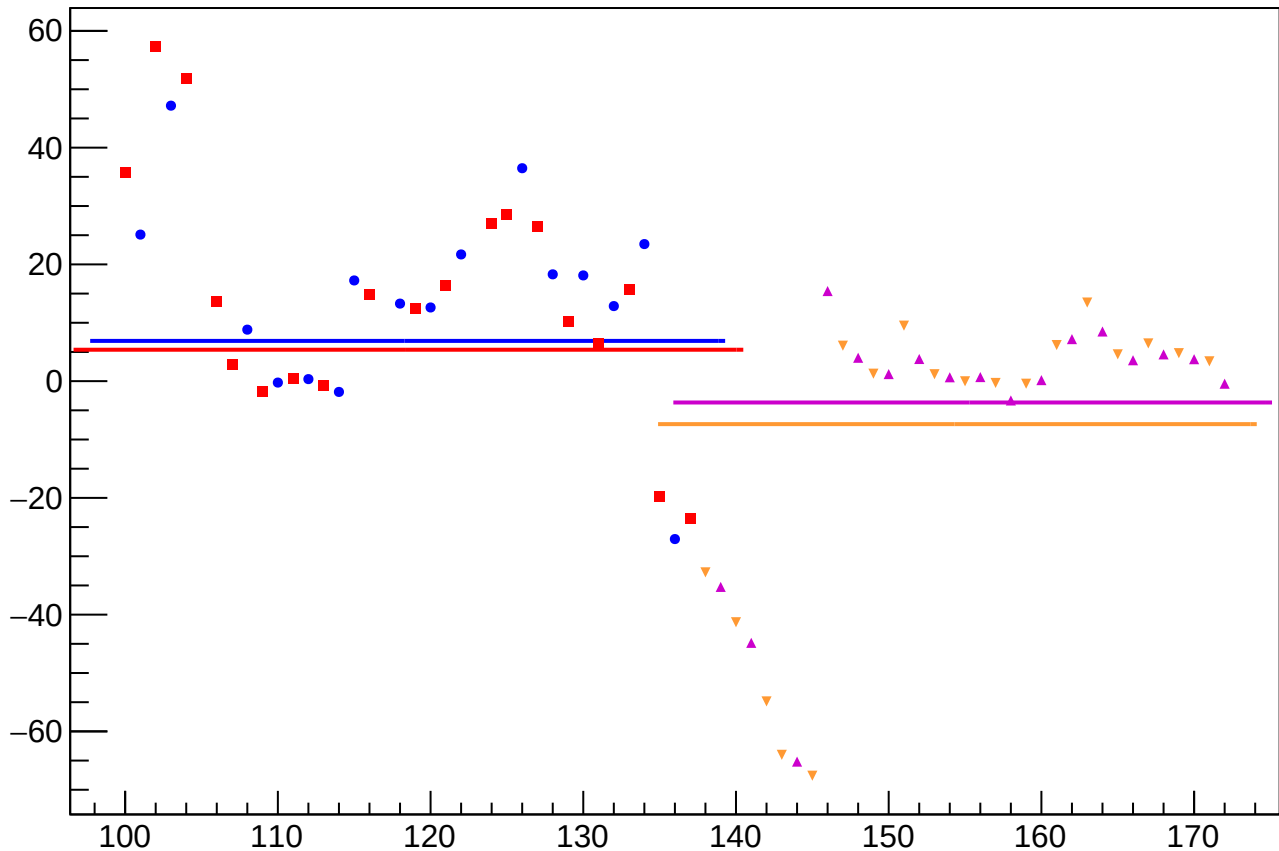
Left In: 0.654 $\pm$ 0.038 χ^2 /NDF:6518.6/16

+ sign 0.921 $\pm$ 0.035 χ^2 /NDF: 9018.9/33

All: 0.855 $\pm$ 0.024 χ^2 /NDF: 17085.8/69

- sign 0.801 $\pm$ 0.032 χ^2 /NDF: 8060.5/35

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

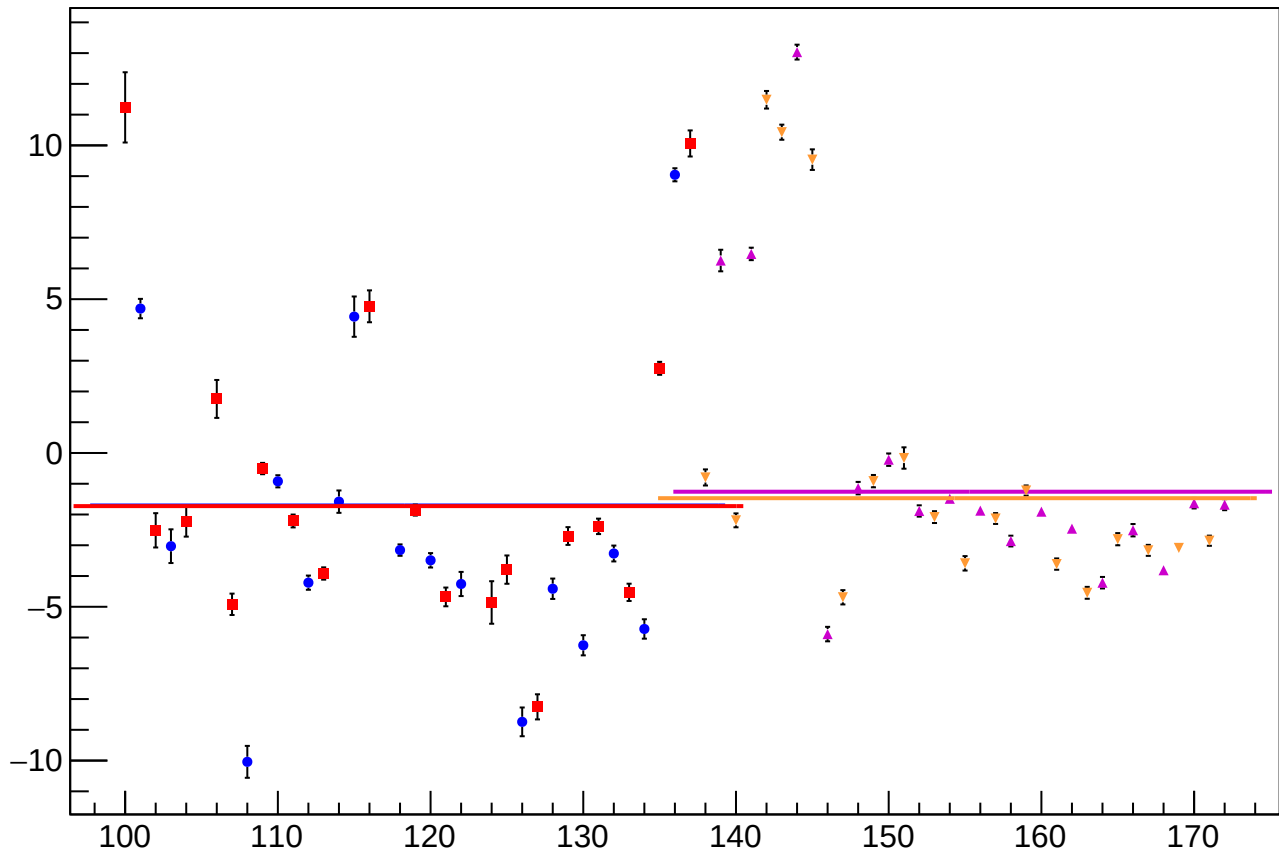
Left In: -3.658 ± 0.051 χ^2/NDF : 116205.4/16

+ sign -1.295 ± 0.044 χ^2/NDF : 240387.1/33

All: -0.571 ± 0.029 χ^2/NDF : 442074.5/69

- sign 0.008 ± 0.039 χ^2/NDF : 201199.3/35

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

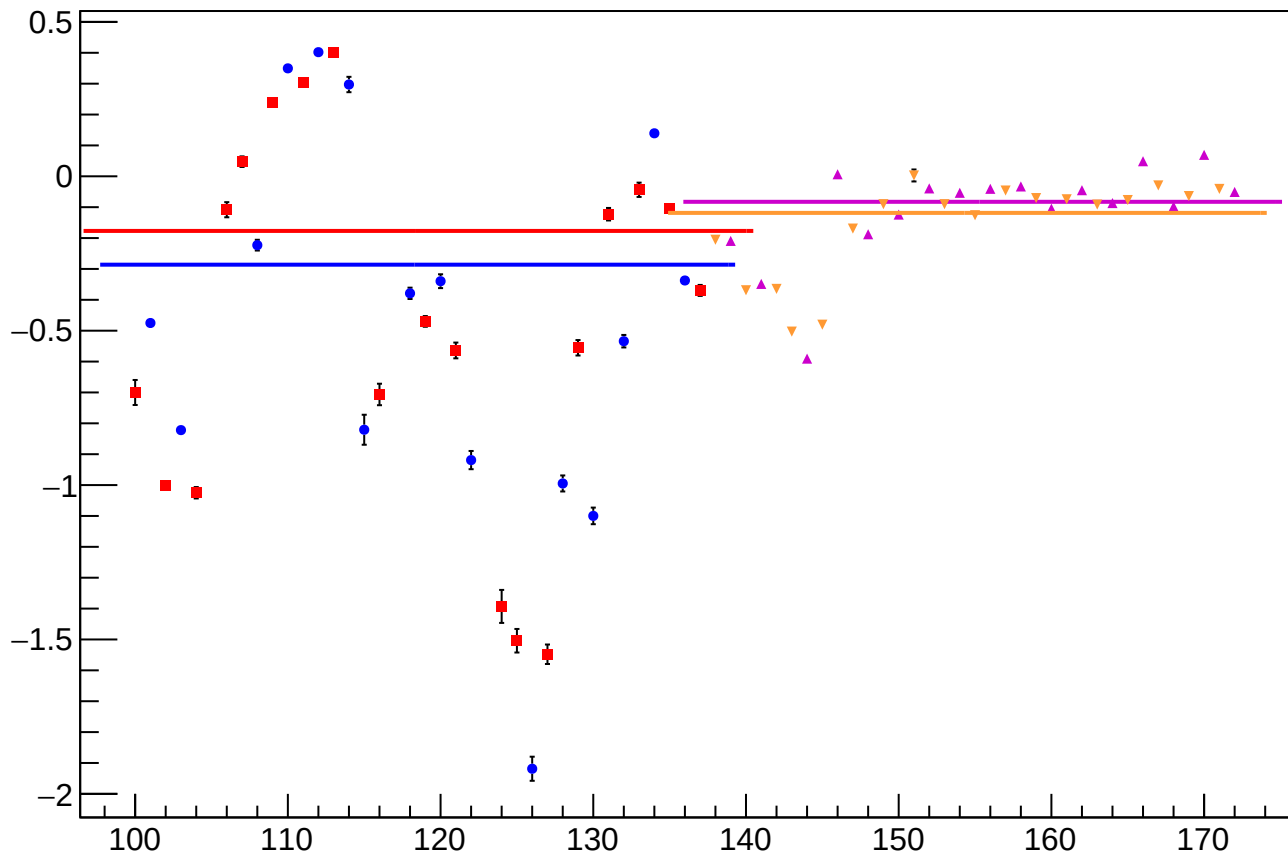
Left In: -1.259 ± 0.043 χ^2/NDF : 6552.0/16

+ sign -1.544 ± 0.040 χ^2/NDF : 10807.0/33

All: -1.462 ± 0.027 χ^2/NDF : 19710.9/69

- sign -1.395 ± 0.036 χ^2/NDF : 8896.3/35

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

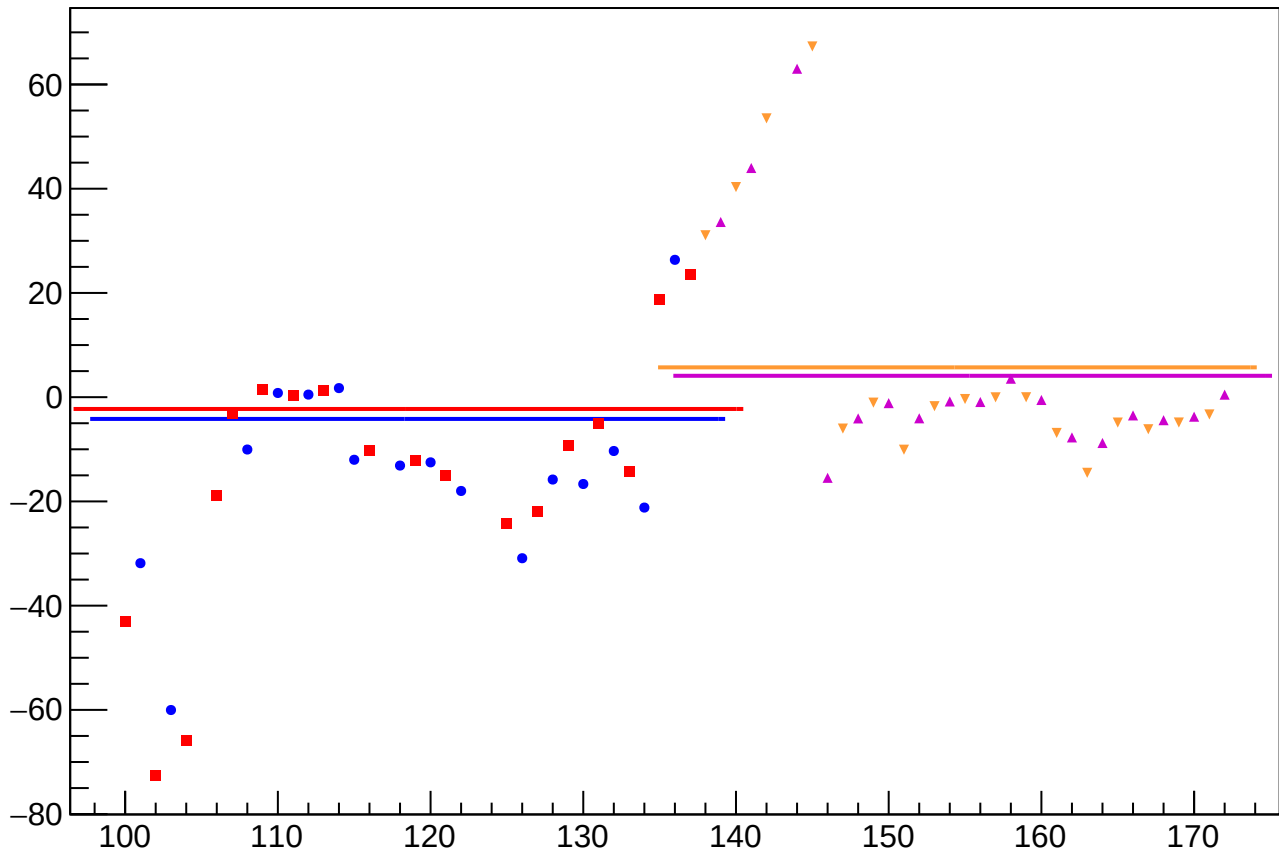
Left In: -0.083 ± 0.002 χ^2/NDF : 3584.6/16

+ sign -0.151 ± 0.002 χ^2/NDF : 15839.7/33

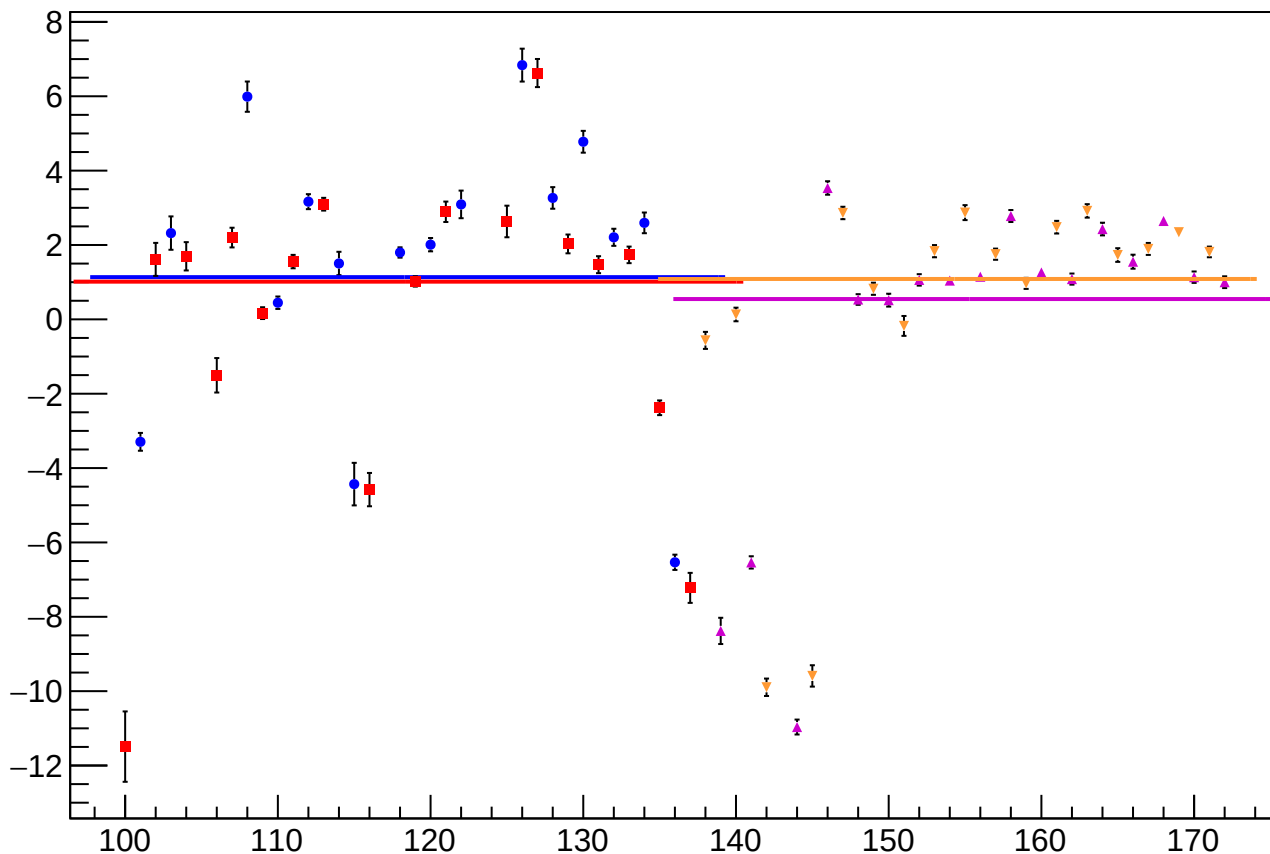
All: -0.122 ± 0.001 χ^2/NDF : 35093.6/69

- sign -0.099 ± 0.002 χ^2/NDF : 18822.3/35

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.135 $\pm$ 0.060 χ^2 /NDF: 2595.7/15

Left Out: 1.086 $\pm$ 0.043 χ^2 /NDF: 4231.4/16

Right Out: 1.014 $\pm$ 0.057 χ^2 /NDF: 1593.0/17

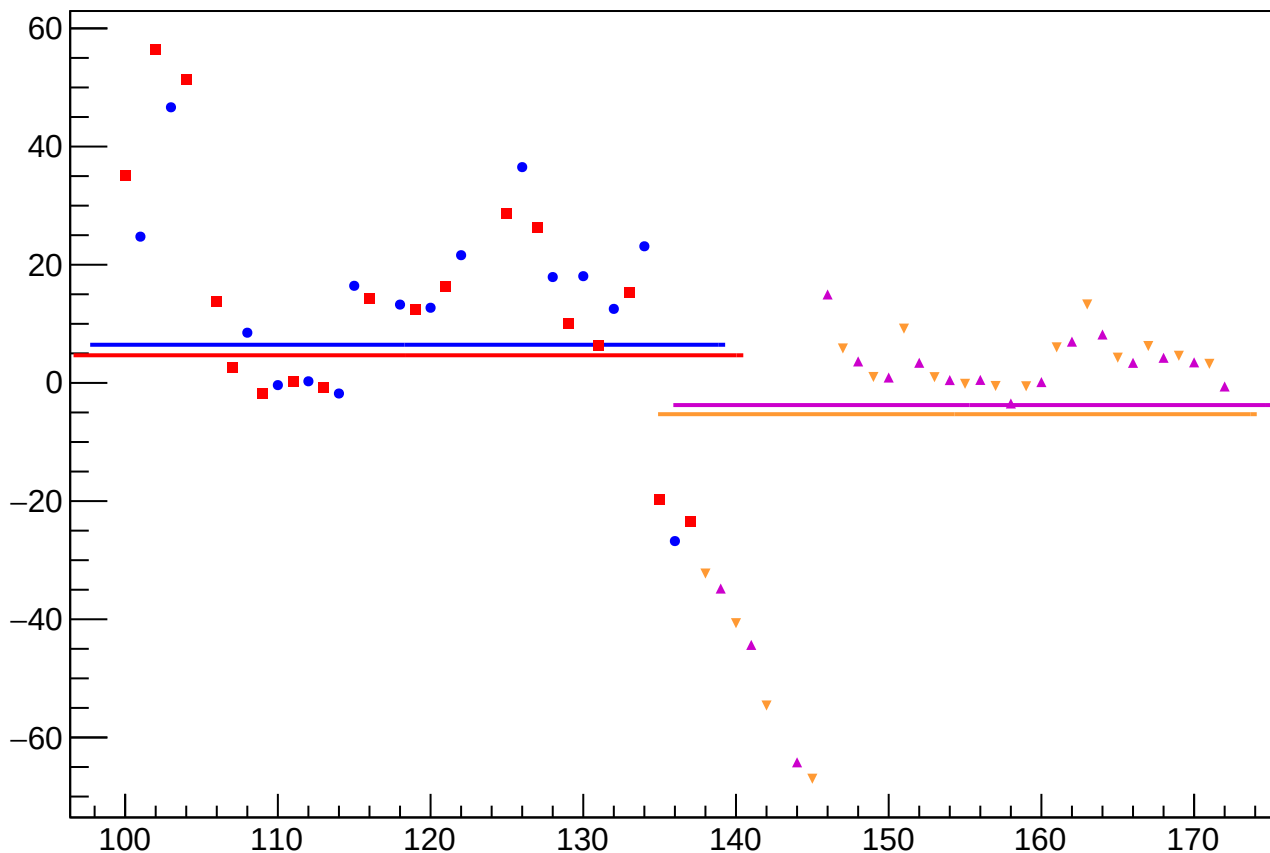
Left In: 0.546 $\pm$ 0.037 χ^2 /NDF: 6742.9/16

+ sign 1.103 $\pm$ 0.035 χ^2 /NDF: 6827.5/32

All: 0.867 $\pm$ 0.023 χ^2 /NDF: 15293.2/67

- sign 0.682 $\pm$ 0.031 χ^2 /NDF: 8383.4/34

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



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

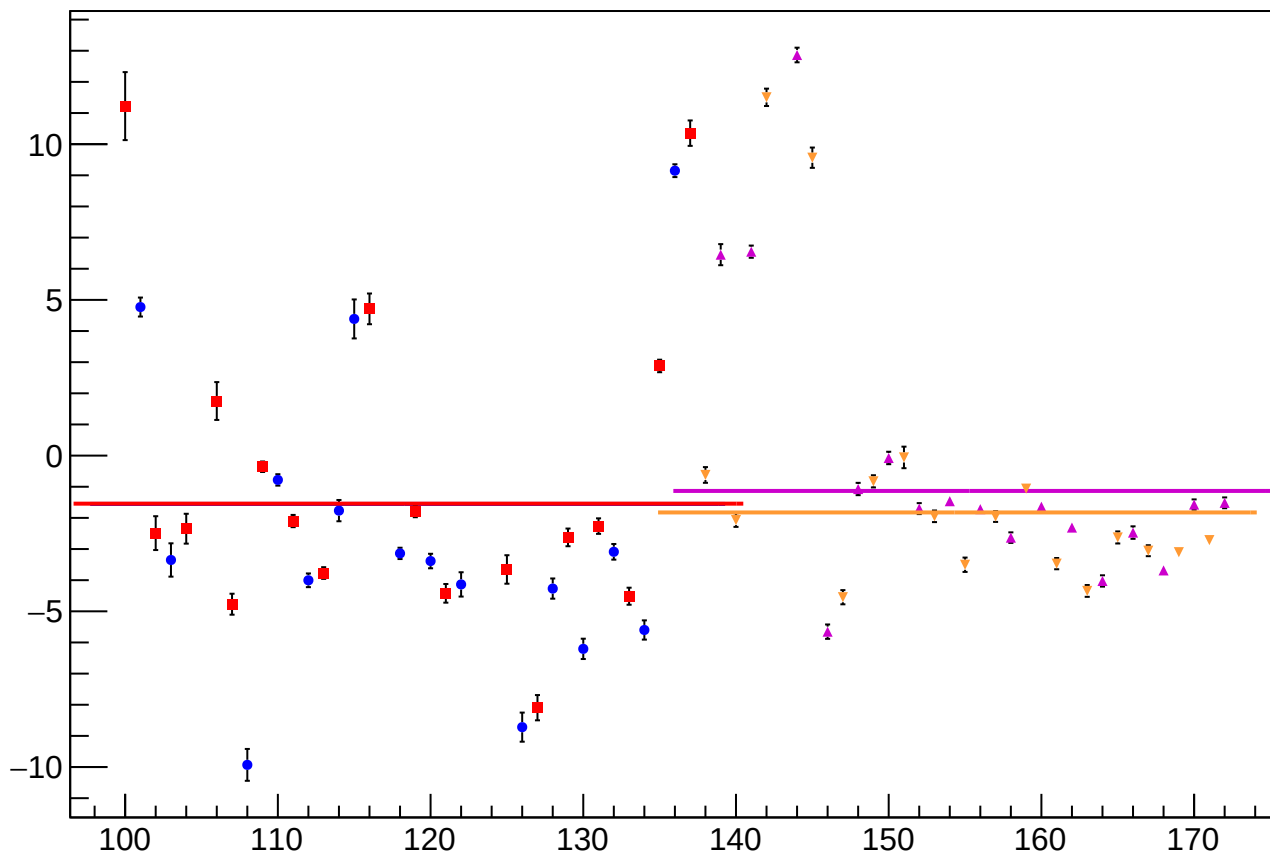
Left In: -3.748 ± 0.049 χ^2/NDF : 119604.4/16

+ sign -0.138 ± 0.043 χ^2/NDF : 201632.6/32

All: -0.236 ± 0.028 χ^2/NDF : 407697.9/67

- sign -0.311 ± 0.038 χ^2/NDF : 206056.1/34

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



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

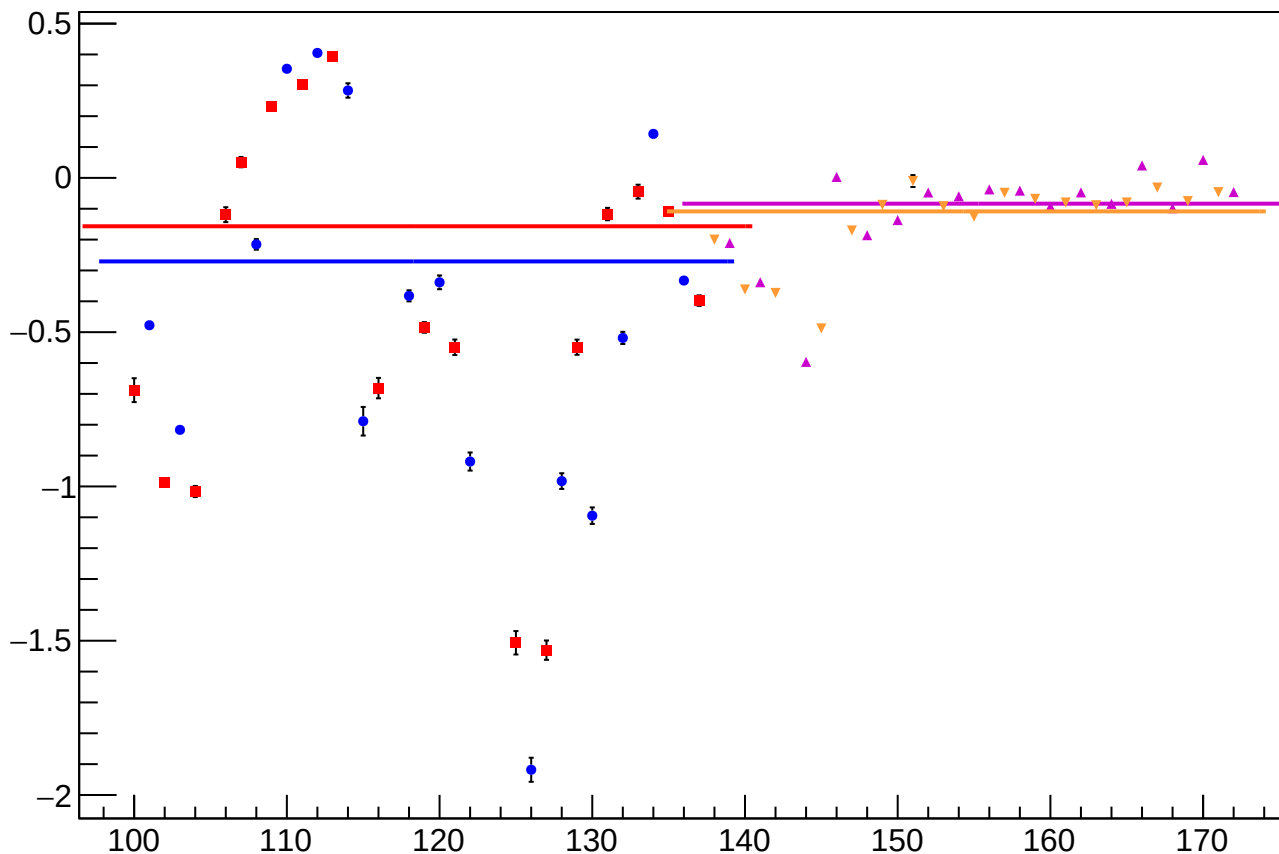
Left In: -1.134 ± 0.041 χ^2/NDF : 6753.6/16

+ sign -1.737 ± 0.039 χ^2/NDF : 8777.9/32

All: -1.464 ± 0.026 χ^2/NDF : 18117.7/67

- sign -1.253 ± 0.035 χ^2/NDF : 9255.1/34

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



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

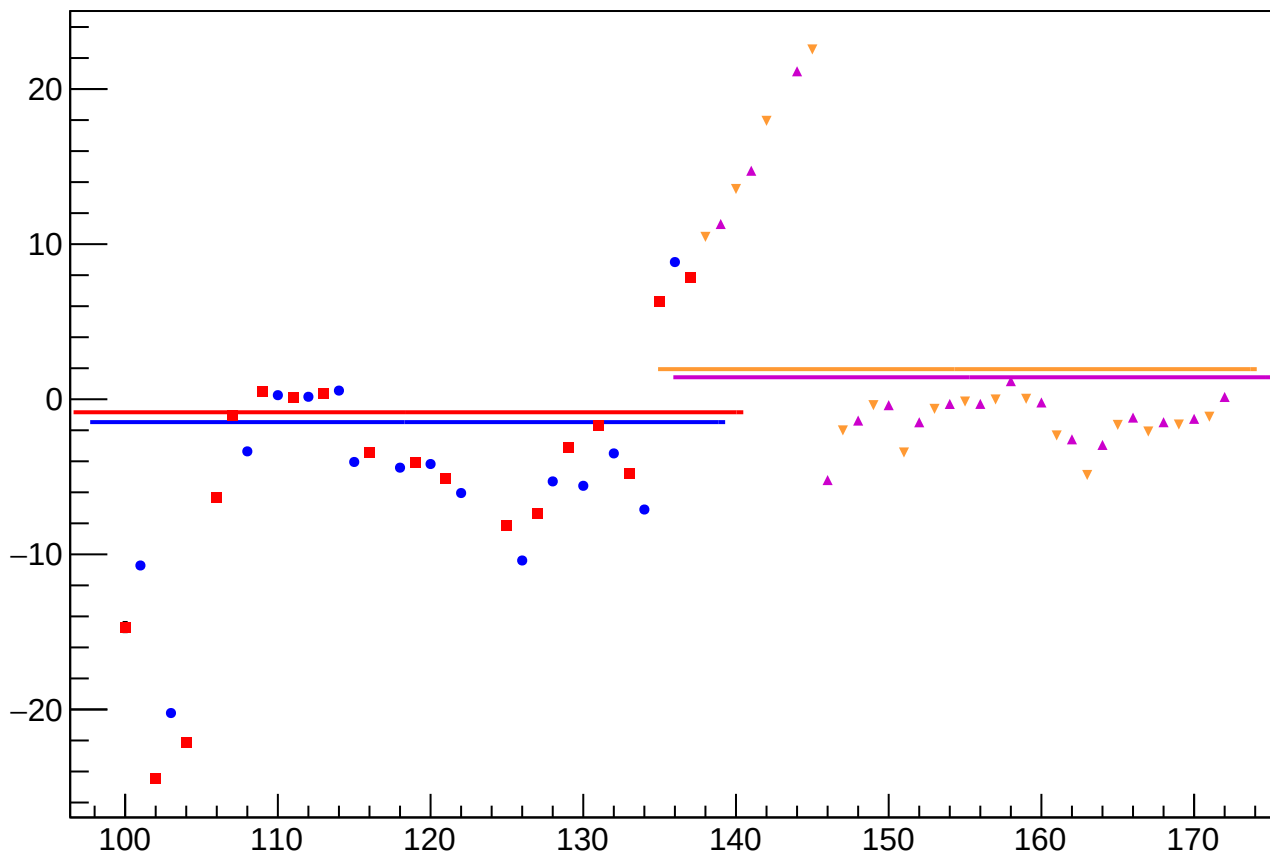
Left In: -0.084 ± 0.002 χ^2/NDF : 3673.4/16

+ sign -0.141 ± 0.002 χ^2/NDF : 15603.1/32

All: -0.115 ± 0.001 χ^2/NDF : 34939.4/67

- sign -0.096 ± 0.002 χ^2/NDF : 18999.4/34

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.474 ± 0.019 $\chi^2/\text{NDF}: 73722.2/15$

Left Out: 1.942 ± 0.020 $\chi^2/\text{NDF}: 114372.6/16$

Right Out: -0.838 ± 0.016 $\chi^2/\text{NDF}: 78013.1/17$

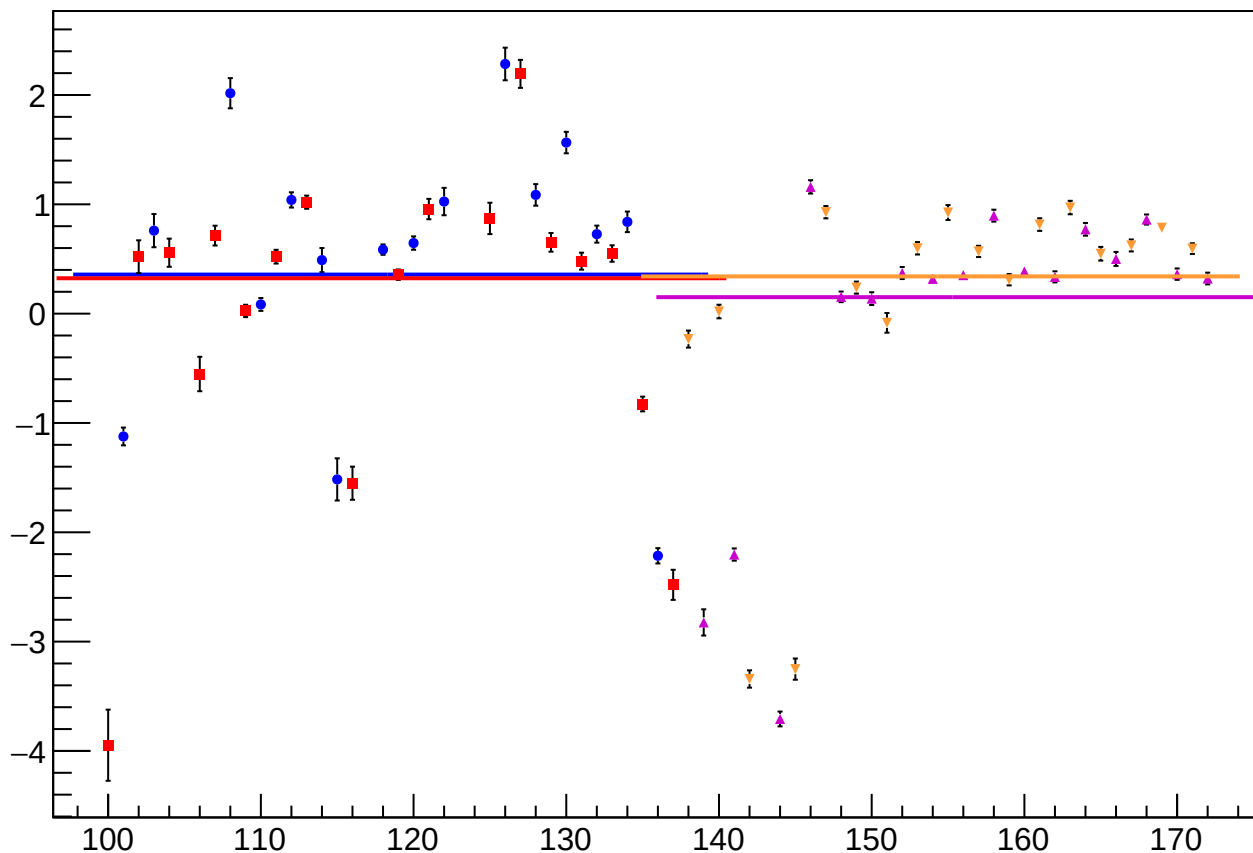
Left In: 1.418 ± 0.017 $\chi^2/\text{NDF}: 119514.0/16$

+ sign 0.119 ± 0.014 $\chi^2/\text{NDF}: 203592.6/32$

All: 0.165 ± 0.009 $\chi^2/\text{NDF}: 410237.4/67$

- sign 0.198 ± 0.012 $\chi^2/\text{NDF}: 206625.9/34$

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



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

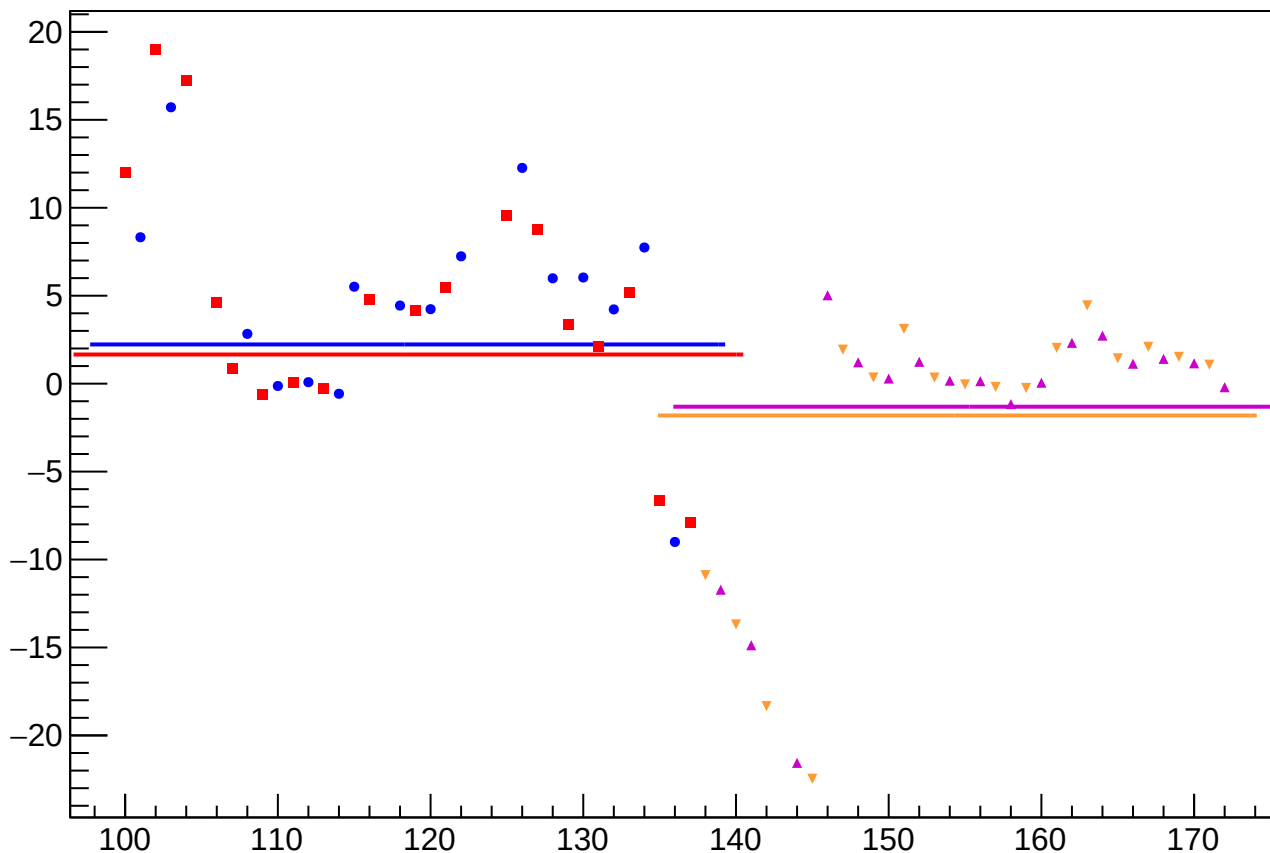
Left In: 0.151 ± 0.013 χ^2/NDF : 6576.4/16

+ sign 0.346 ± 0.012 χ^2/NDF : 6733.7/32

All: 0.265 ± 0.008 χ^2/NDF : 15007.7/67

- sign 0.201 ± 0.011 χ^2/NDF : 8190.2/34

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 2.229 $\pm$ 0.022 χ^2 /NDF: 69187.1/15

Left Out: -1.810 $\pm$ 0.020 χ^2 /NDF: 110538.3/16

Right Out: 1.657 $\pm$ 0.020 χ^2 /NDF: 72797.4/17

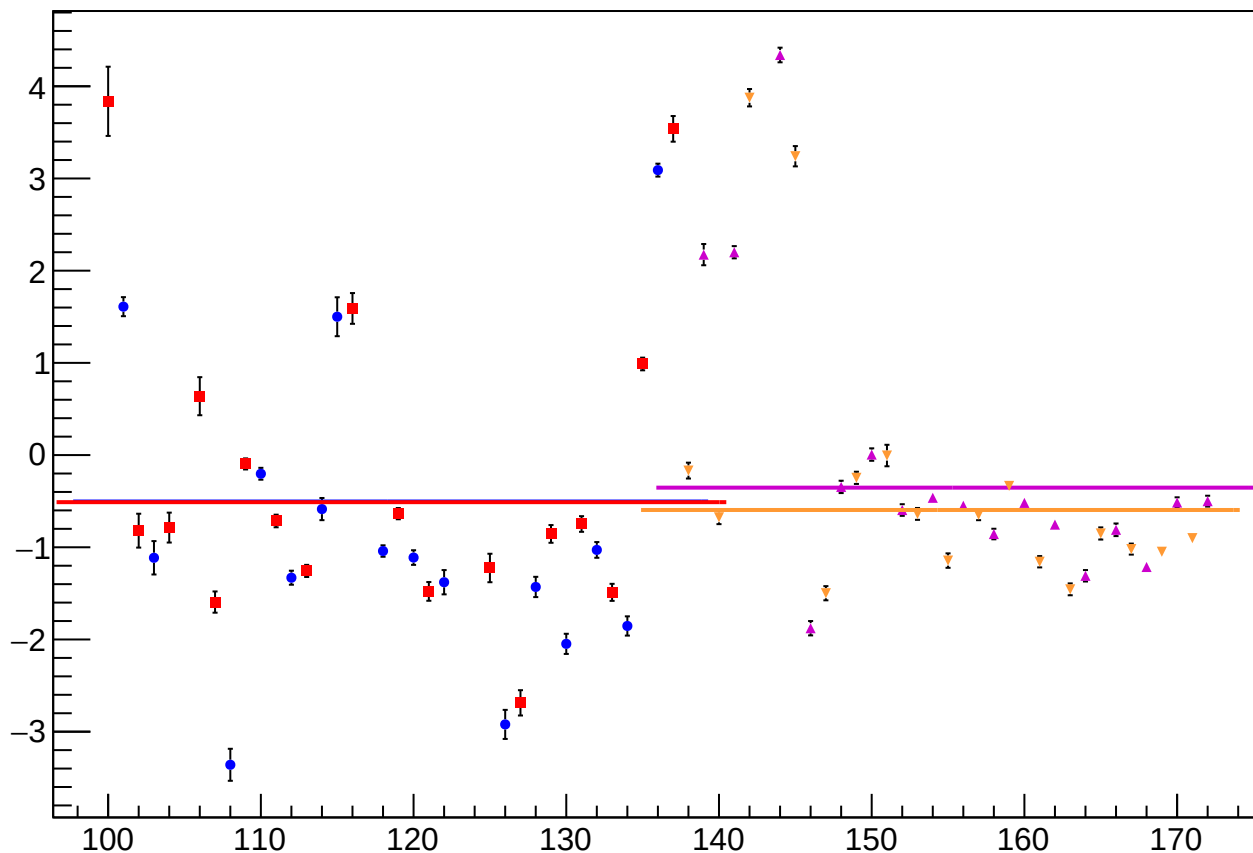
Left In: -1.310 $\pm$ 0.017 χ^2 /NDF: 117119.4/16

+ sign -0.047 $\pm$ 0.015 χ^2 /NDF: 198285.4/32

All: -0.082 $\pm$ 0.010 χ^2 /NDF: 400749.5/67

- sign -0.110 $\pm$ 0.013 χ^2 /NDF: 202453.9/34

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.504 $\pm$ 0.024 χ^2/NDF : 4447.2/15

Left Out: -0.595 $\pm$ 0.016 χ^2/NDF : 4185.1/16

Right Out: -0.511 $\pm$ 0.022 χ^2/NDF : 2424.0/17

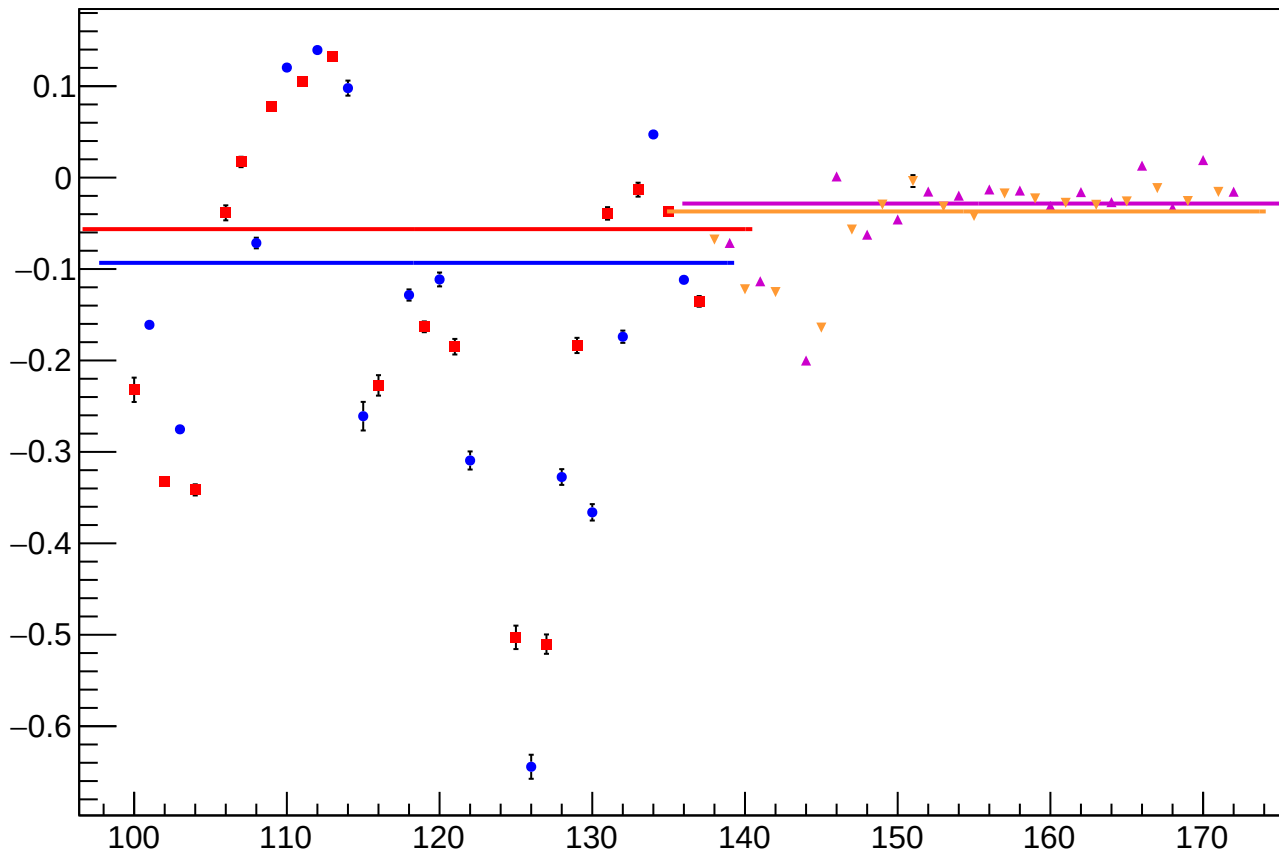
Left In: -0.353 $\pm$ 0.014 χ^2/NDF : 6595.2/16

+ sign -0.566 $\pm$ 0.013 χ^2/NDF : 8642.5/32

All: -0.472 $\pm$ 0.009 χ^2/NDF : 17783.3/67

- sign -0.399 $\pm$ 0.012 χ^2/NDF : 9054.7/34

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



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

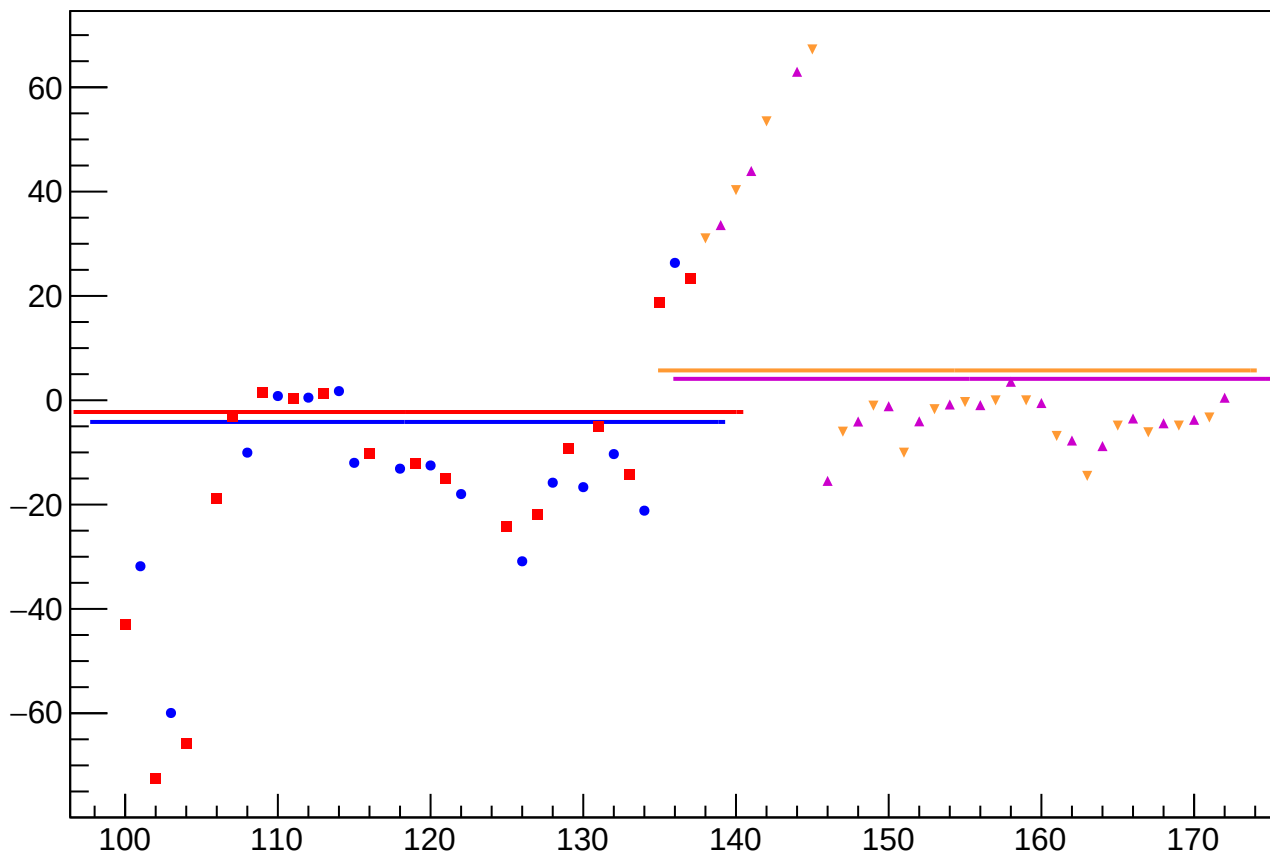
Left In: -0.028 ± 0.001 χ^2/NDF : 3588.5/16

+ sign -0.048 ± 0.001 χ^2/NDF : 15242.4/32

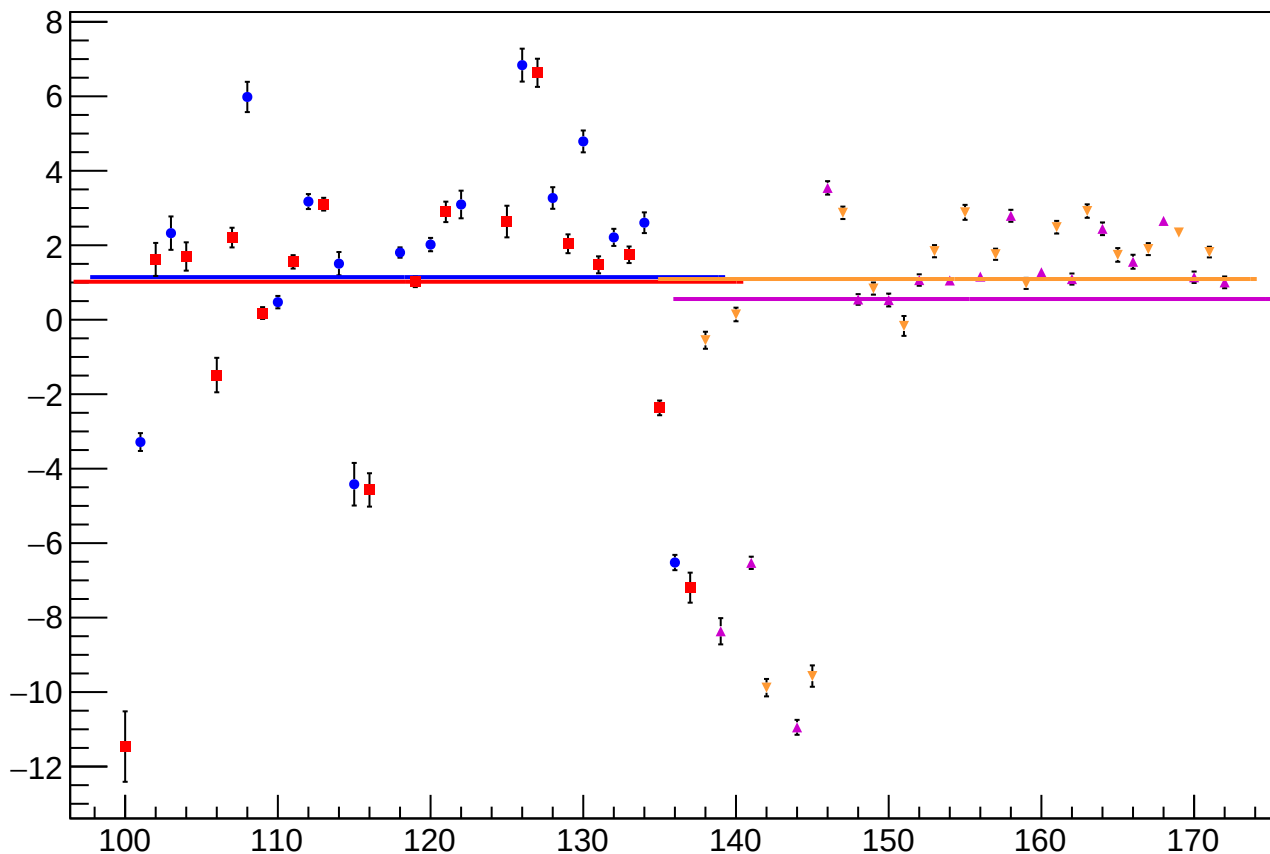
All: -0.040 ± 0.000 χ^2/NDF : 33990.4/67

- sign -0.033 ± 0.001 χ^2/NDF : 18424.2/34

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.144 $\pm$ 0.060 χ^2 /NDF: 2595.3/15

Left Out: 1.094 $\pm$ 0.042 χ^2 /NDF: 4228.7/16

Right Out: 1.021 $\pm$ 0.057 χ^2 /NDF: 1591.2/17

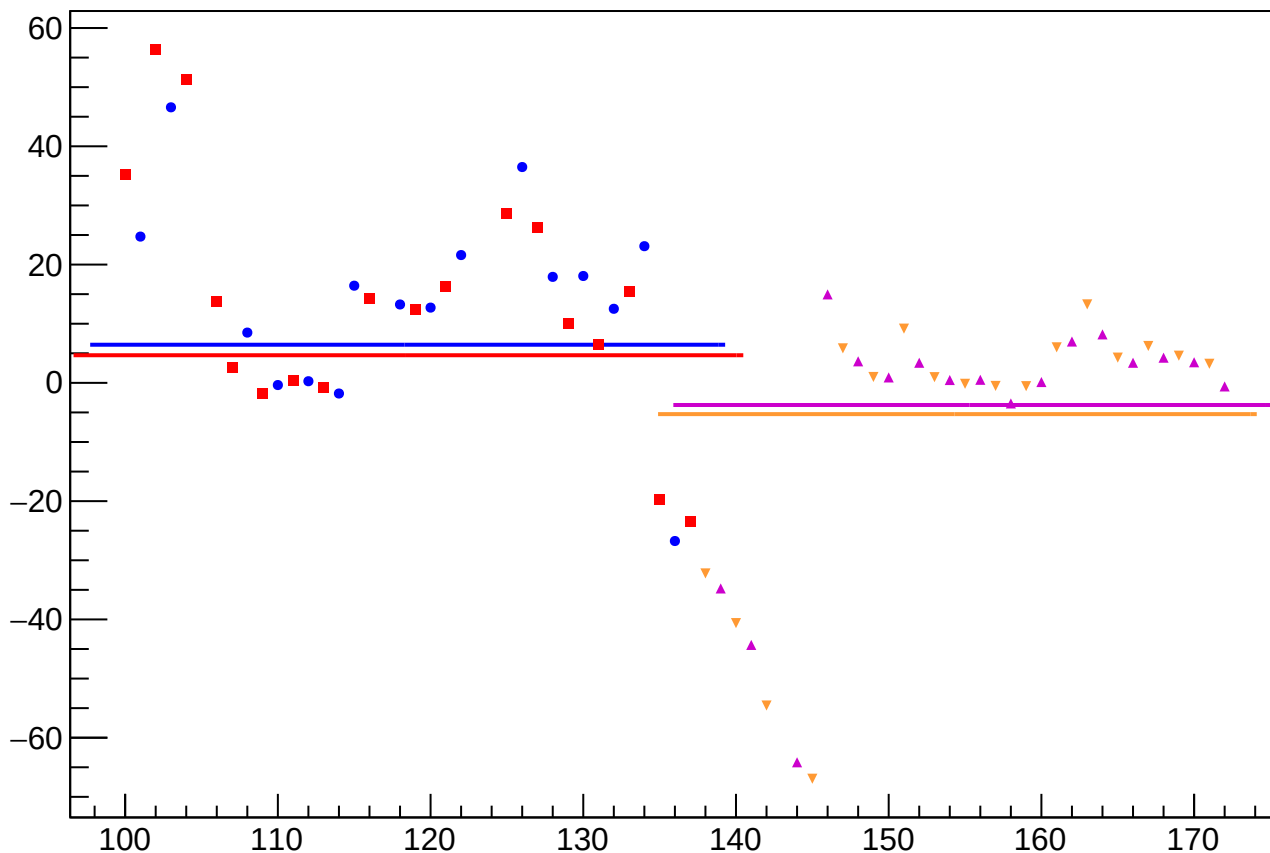
Left In: 0.556 $\pm$ 0.036 χ^2 /NDF: 6748.2/16

+ sign 1.110 $\pm$ 0.035 χ^2 /NDF: 6824.4/32

All: 0.876 $\pm$ 0.023 χ^2 /NDF: 15292.6/67

- sign 0.691 $\pm$ 0.031 χ^2 /NDF: 8386.3/34

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 6.448 ± 0.065 χ^2/NDF : 70815.1/15

Left Out: -5.286 ± 0.057 χ^2/NDF : 112459.1/16

Right Out: 4.671 ± 0.059 χ^2/NDF : 74420.3/17

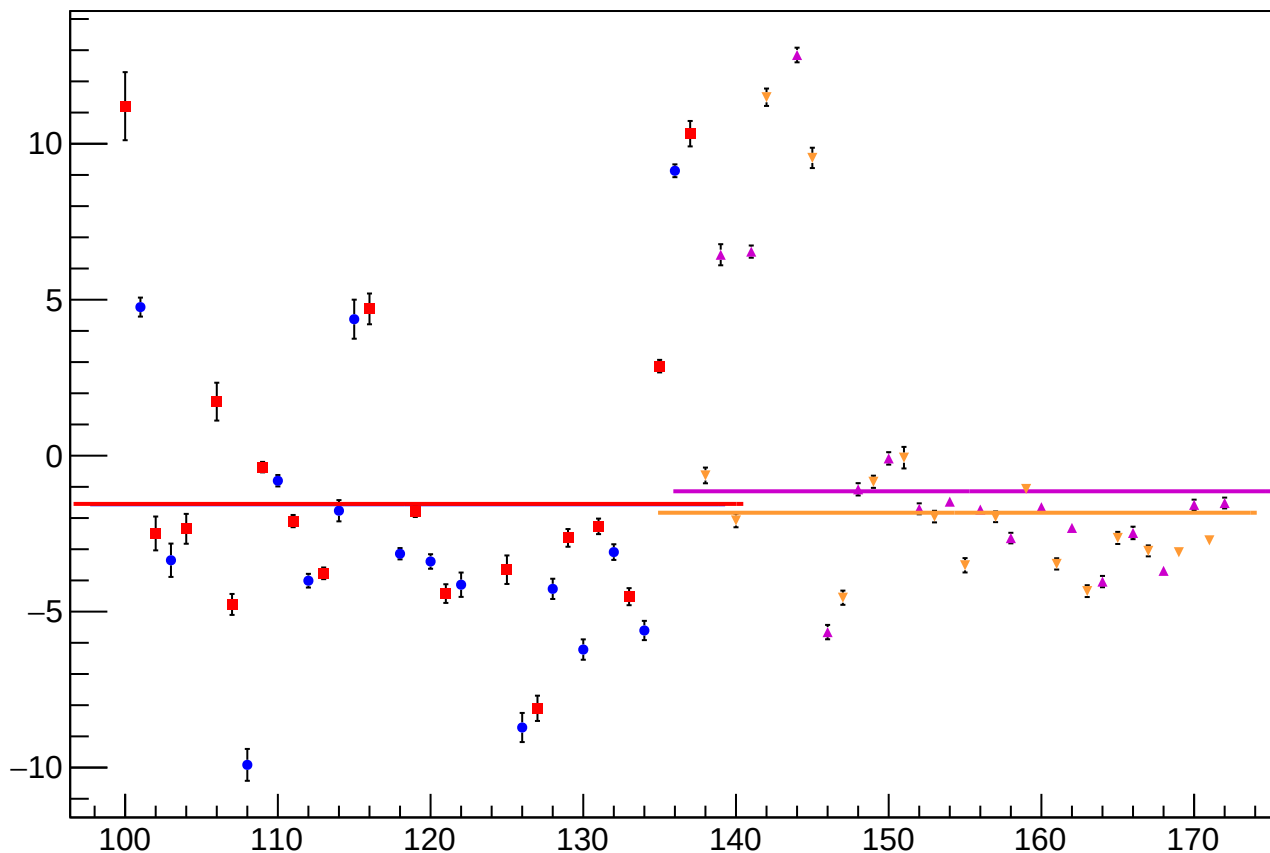
Left In: -3.742 ± 0.049 χ^2/NDF : 119617.3/16

+ sign -0.137 ± 0.043 χ^2/NDF : 201625.3/32

All: -0.234 ± 0.028 χ^2/NDF : 407700.7/67

- sign -0.308 ± 0.038 χ^2/NDF : 206066.5/34

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



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

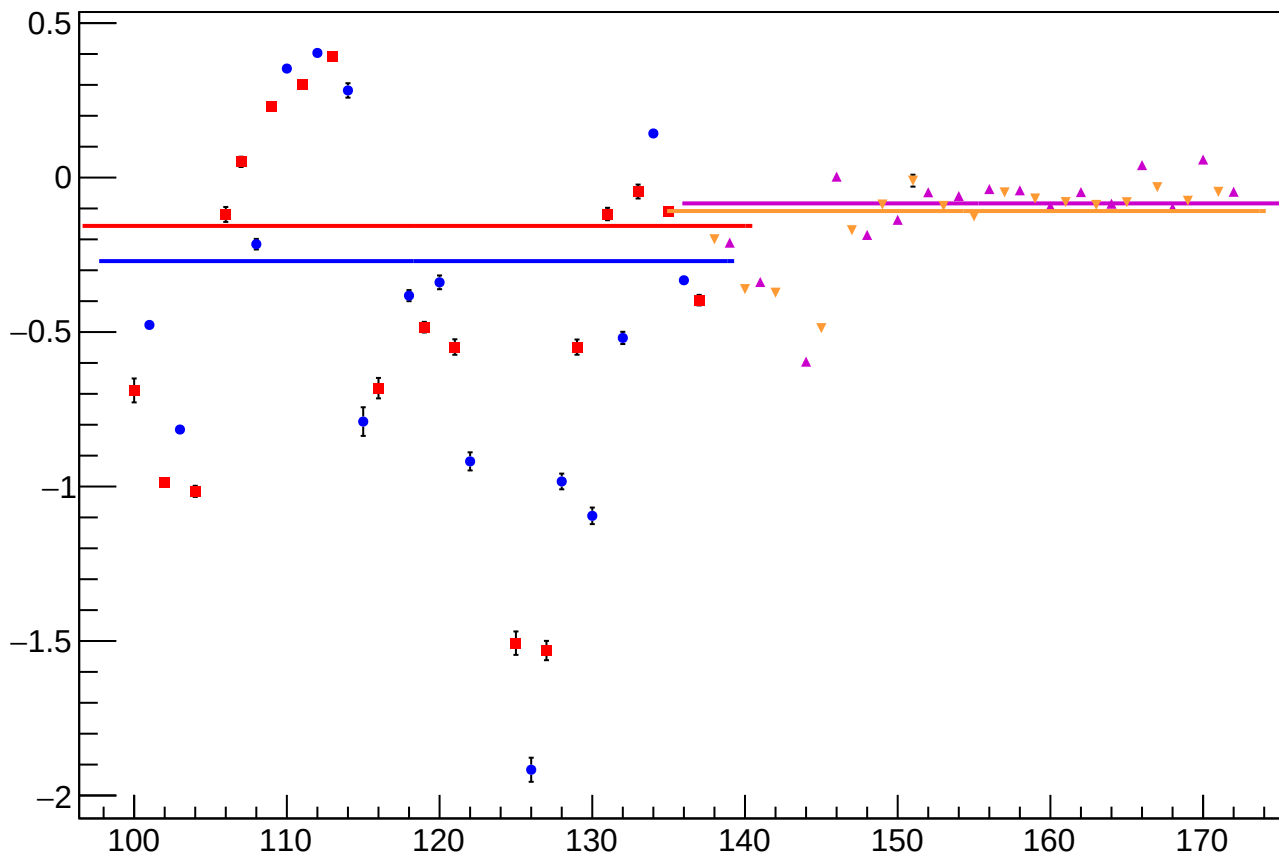
Left In: -1.142 ± 0.041 χ^2/NDF : 6758.1/16

+ sign -1.742 ± 0.039 χ^2/NDF : 8774.0/32

All: -1.470 ± 0.026 χ^2/NDF : 18114.3/67

- sign -1.259 ± 0.035 χ^2/NDF : 9256.1/34

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.004 $\chi^2/\text{NDF}: 12096.8/15$

Left Out: -0.108 ± 0.002 $\chi^2/\text{NDF}: 2286.0/16$

Right Out: -0.156 ± 0.004 $\chi^2/\text{NDF}: 15030.0/17$

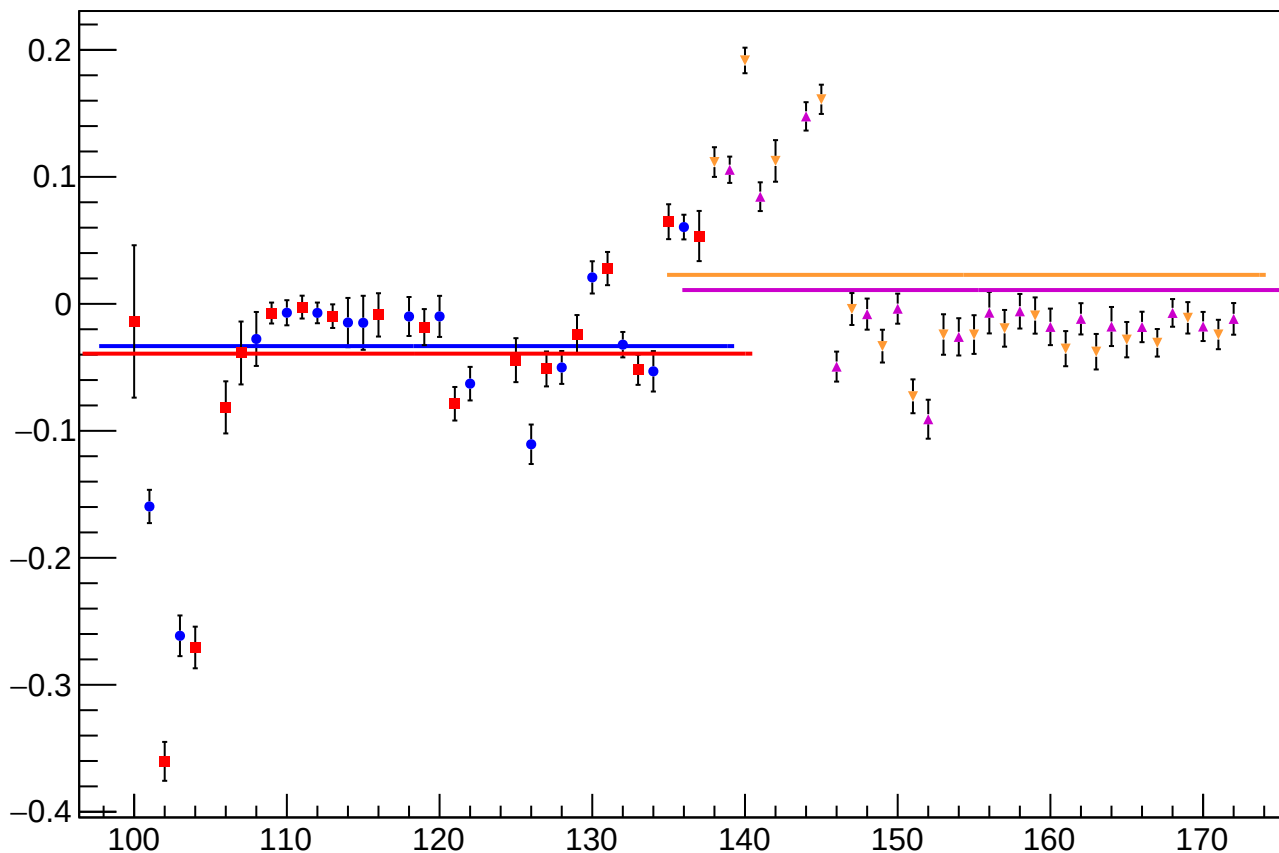
Left In: -0.084 ± 0.002 $\chi^2/\text{NDF}: 3675.1/16$

+ sign -0.141 ± 0.002 $\chi^2/\text{NDF}: 15605.6/32$

All: -0.115 ± 0.001 $\chi^2/\text{NDF}: 34951.0/67$

- sign -0.096 ± 0.002 $\chi^2/\text{NDF}: 19010.0/34$

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



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

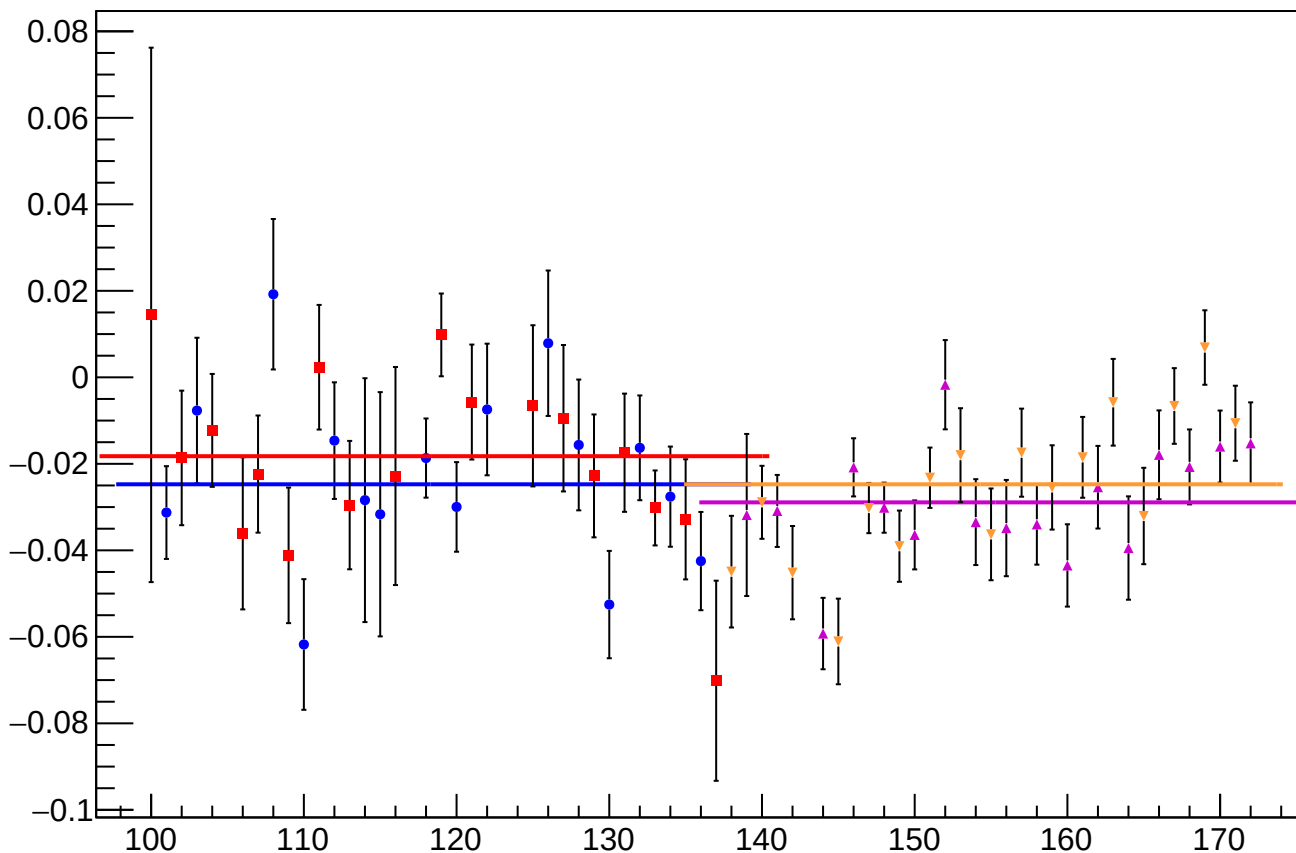
Left In: 0.011 ± 0.003 χ^2/NDF : 387.7/16

+ sign -0.004 ± 0.002 χ^2/NDF : 1337.7/32

All: -0.009 ± 0.002 χ^2/NDF : 2670.4/67

- sign -0.013 ± 0.002 χ^2/NDF : 1325.4/34

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



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

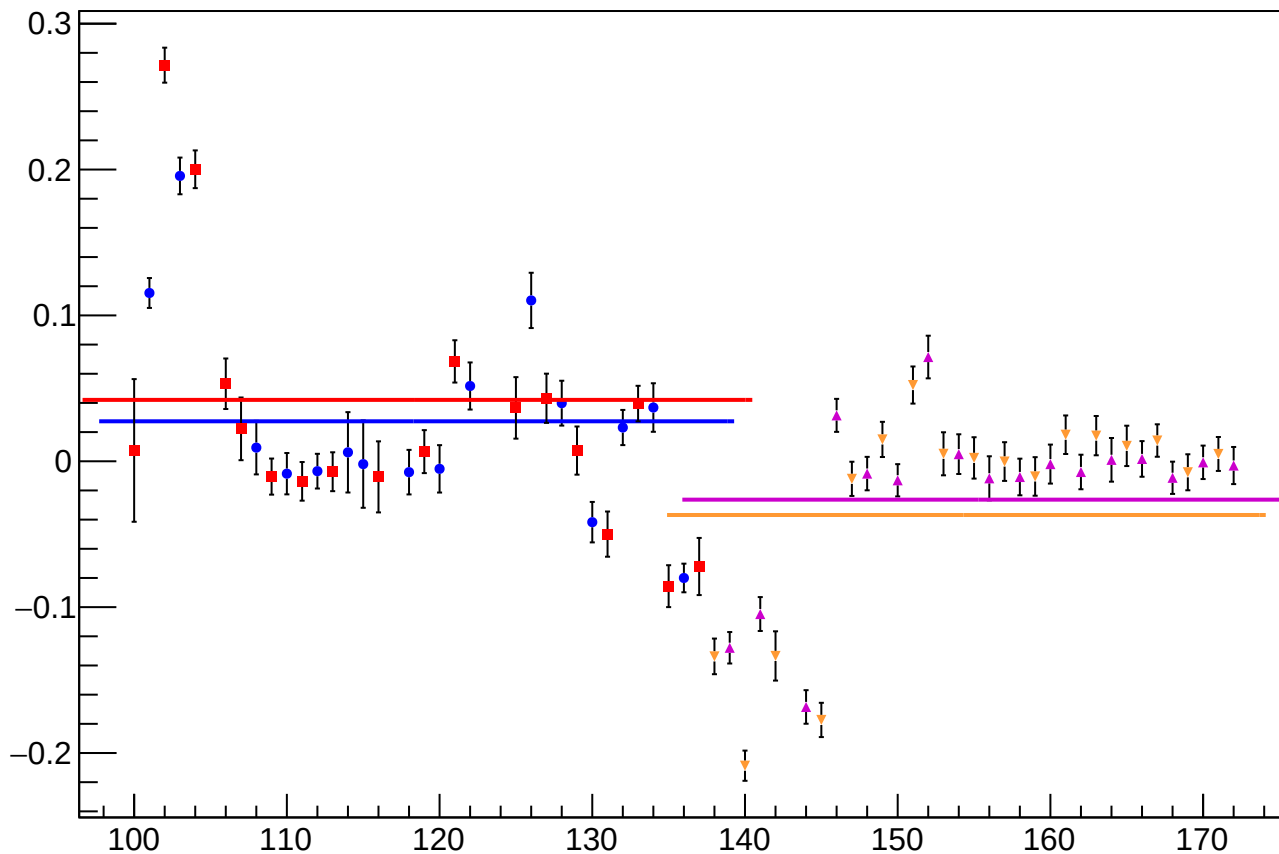
Left In: -0.029 ± 0.002 χ^2/NDF : 33.5/16

+ sign -0.025 ± 0.002 χ^2/NDF : 79.2/32

All: -0.025 ± 0.001 χ^2/NDF : 144.7/67

- sign -0.026 ± 0.002 χ^2/NDF : 65.3/34

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.027 ± 0.004 χ^2/NDF : 446.1/15

Left Out: -0.037 ± 0.003 χ^2/NDF : 698.6/16

Right Out: 0.042 ± 0.004 χ^2/NDF : 733.2/17

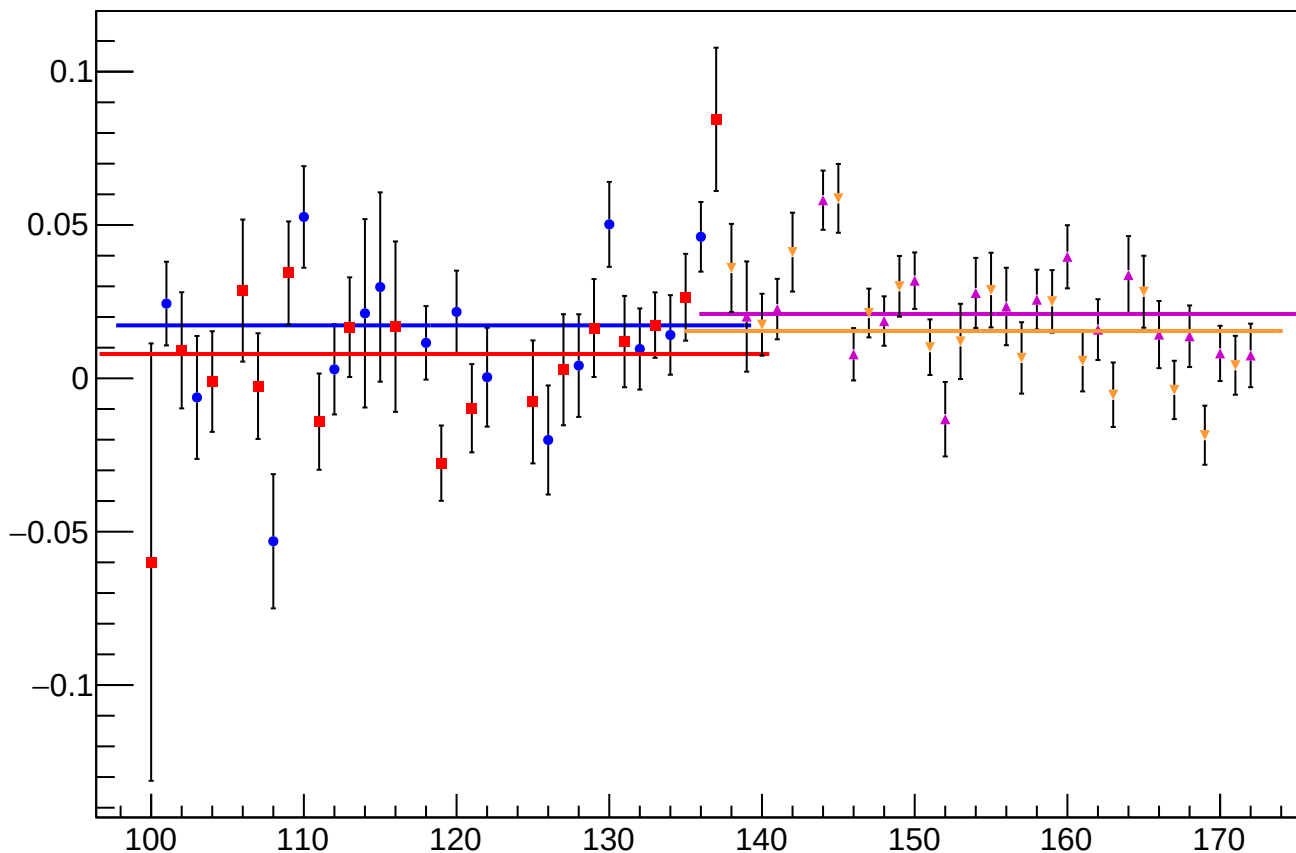
Left In: -0.026 ± 0.003 χ^2/NDF : 393.8/16

+ sign -0.010 ± 0.002 χ^2/NDF : 1330.9/32

All: -0.004 ± 0.002 χ^2/NDF : 2680.8/67

- sign 0.001 ± 0.002 χ^2/NDF : 1339.4/34

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.017 $\pm$ 0.004 χ^2 /NDF: 36.7/15

Left Out: 0.015 $\pm$ 0.003 χ^2 /NDF: 50.7/16

Right Out: 0.008 $\pm$ 0.004 χ^2 /NDF: 31.4/17

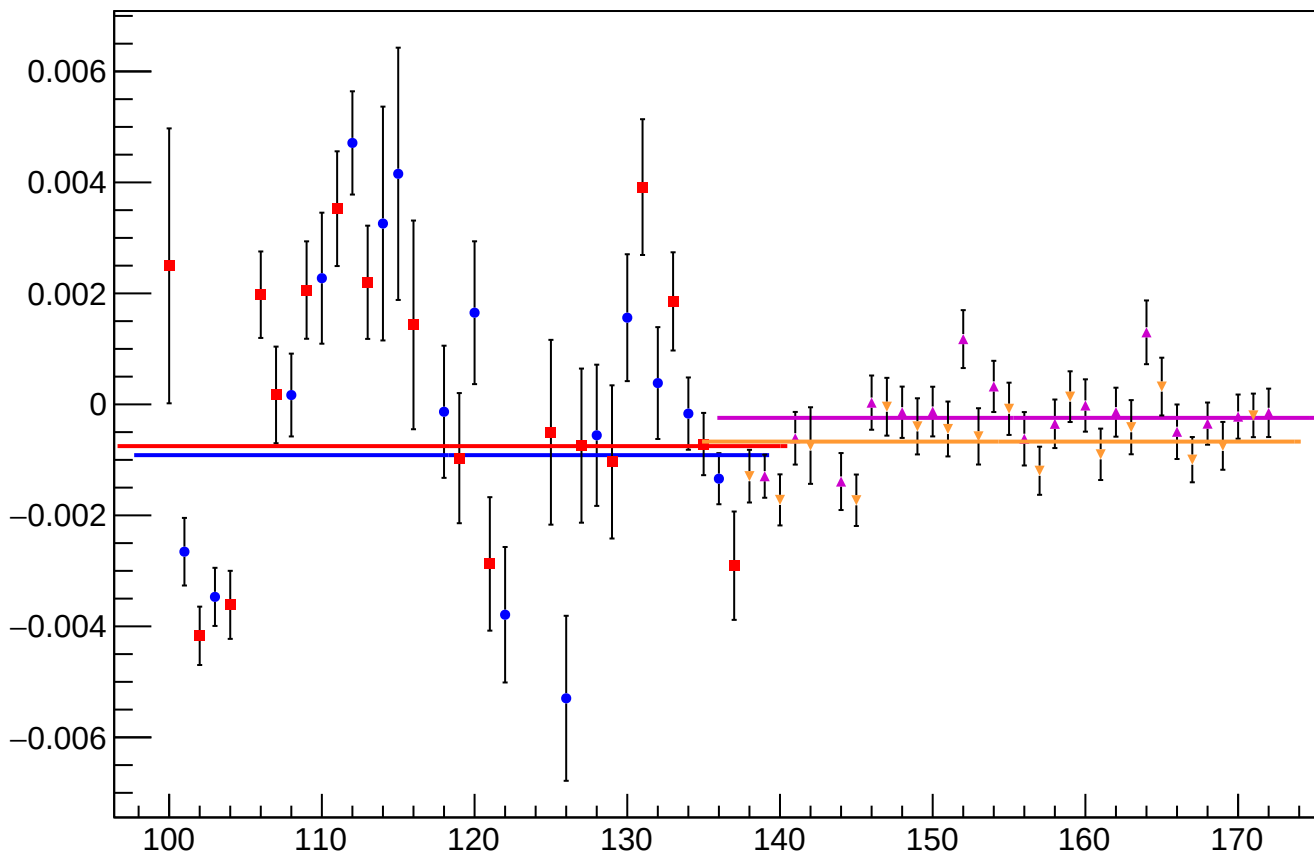
Left In: 0.021 $\pm$ 0.002 χ^2 /NDF: 36.4/16

+ sign 0.016 $\pm$ 0.002 χ^2 /NDF: 87.5/32

All: 0.017 $\pm$ 0.001 χ^2 /NDF: 163.4/67

- sign 0.017 $\pm$ 0.002 χ^2 /NDF: 75.8/34

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.001 $\pm$ 0.000 χ^2 /NDF: 114.1/15

Left Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 26.6/16

Right Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 147.6/17

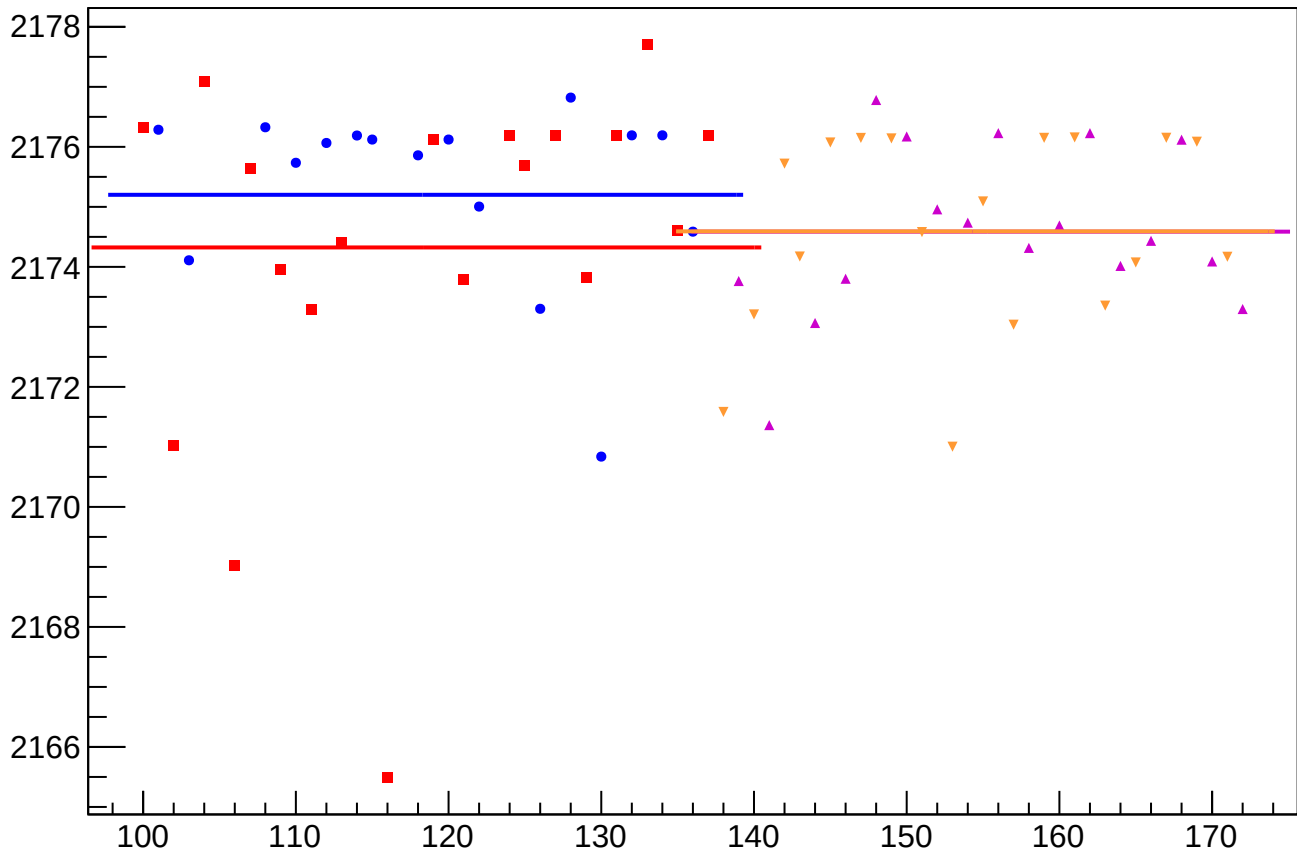
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.8/16

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 141.7/32

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 331.7/67

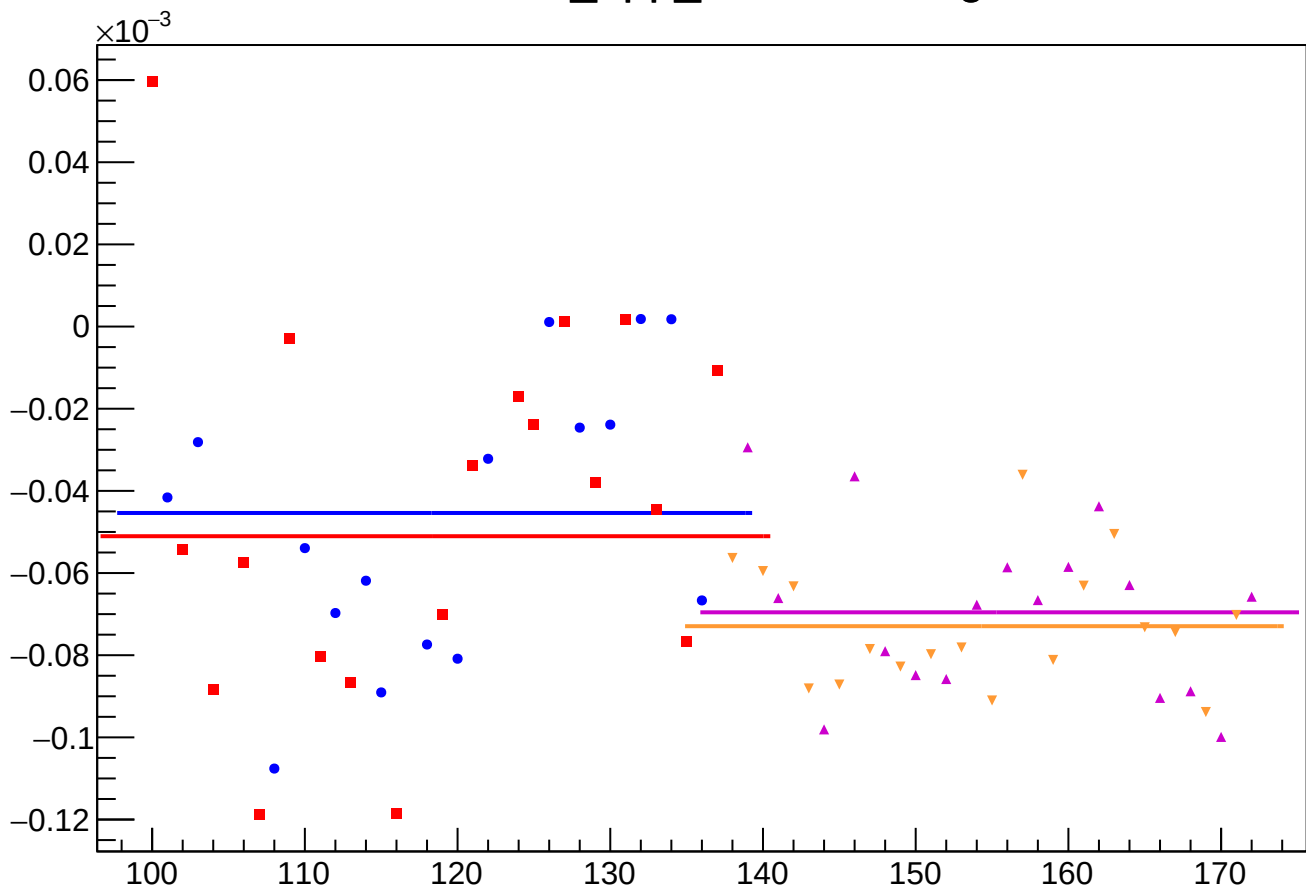
- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 182.8/34

HALLA_p_mean vs Slug



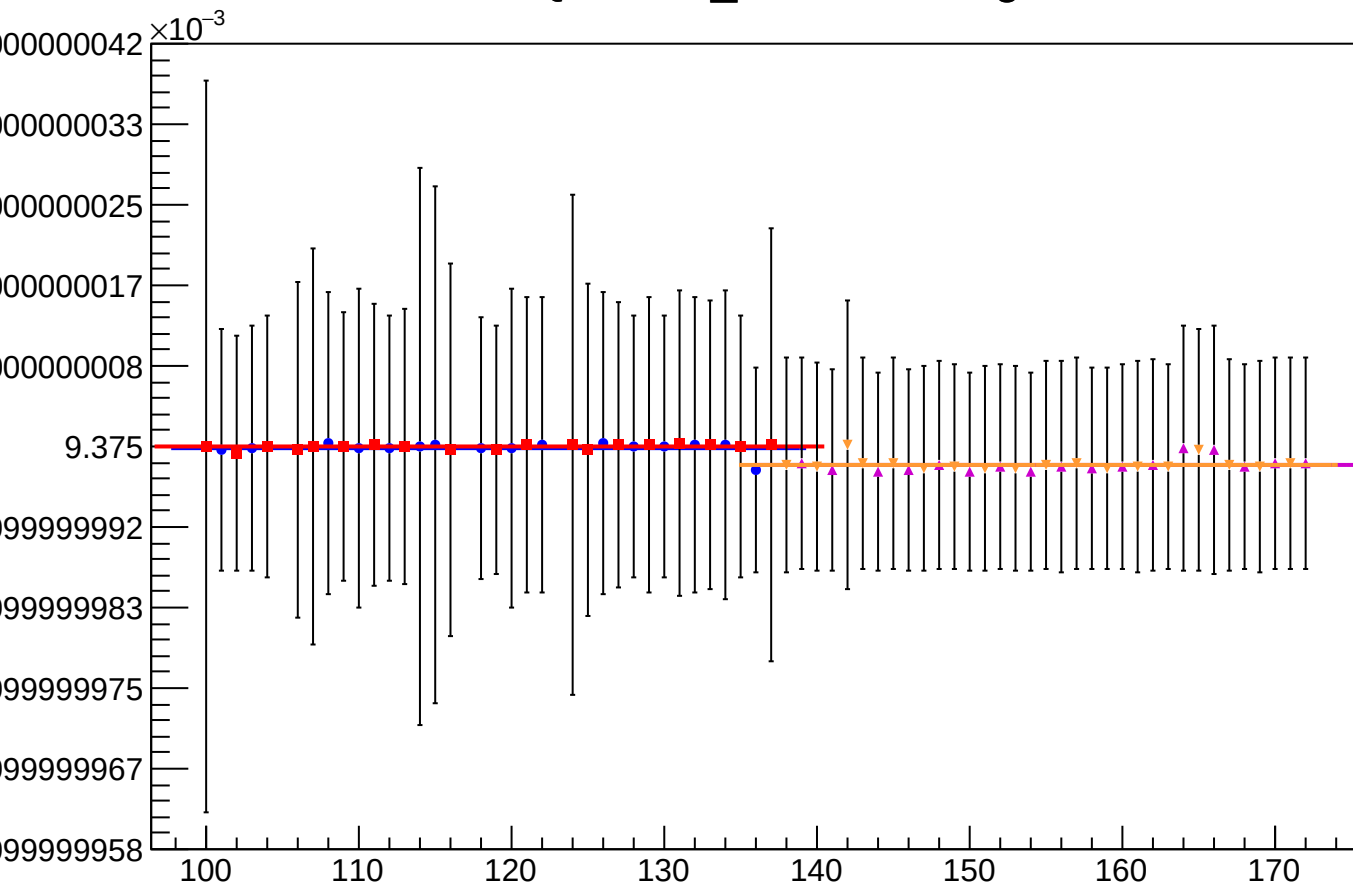
Right In: 2175.201+/-0.000	χ^2/NDF : 1765724072923660180937051331362816.0/15	+ sign 2174.795+/-0.000	χ^2/NDF : 58822070343067
Left Out: 2174.592+/-0.000	χ^2/NDF : 3933077378433371413201881837600768.0/17	All: 2174.646+/-0.000	χ^2/NDF : 14376690698
Right Out: 2174.324+/-0.000	χ^2/NDF : 5542239415681046928723527201718272.0/18	- sign 2174.497+/-0.000	χ^2/NDF : 83957180981107
Left In: 2174.587+/-0.000	χ^2/NDF : 2818827396265068357021909852880896.0/16		

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000	χ^2/NDF : 713132081378122377723904.0/15	+ sign -0.000 ± 0.000	χ^2/NDF : 1424385112799577
Left Out: -0.000 ± 0.000	χ^2/NDF : 335693110548985431457792.0/17	All: -0.000 ± 0.000	χ^2/NDF : 3194145948802
Right Out: -0.000 ± 0.000	χ^2/NDF : 1011955910720647101153280.0/18	- sign -0.000 ± 0.000	χ^2/NDF : 17693940184983806
Left In: -0.000 ± 0.000	χ^2/NDF : 585571276303821931806720.0/16		

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

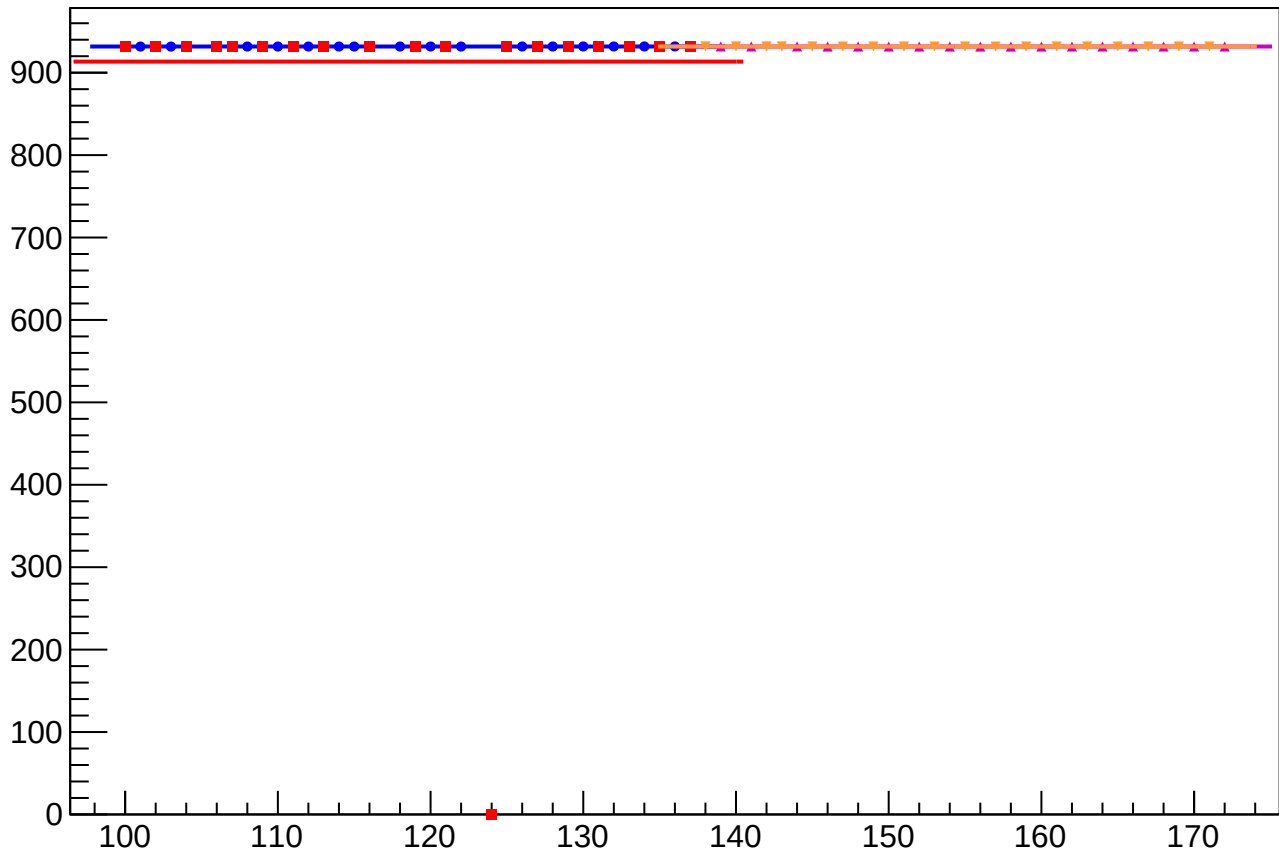
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

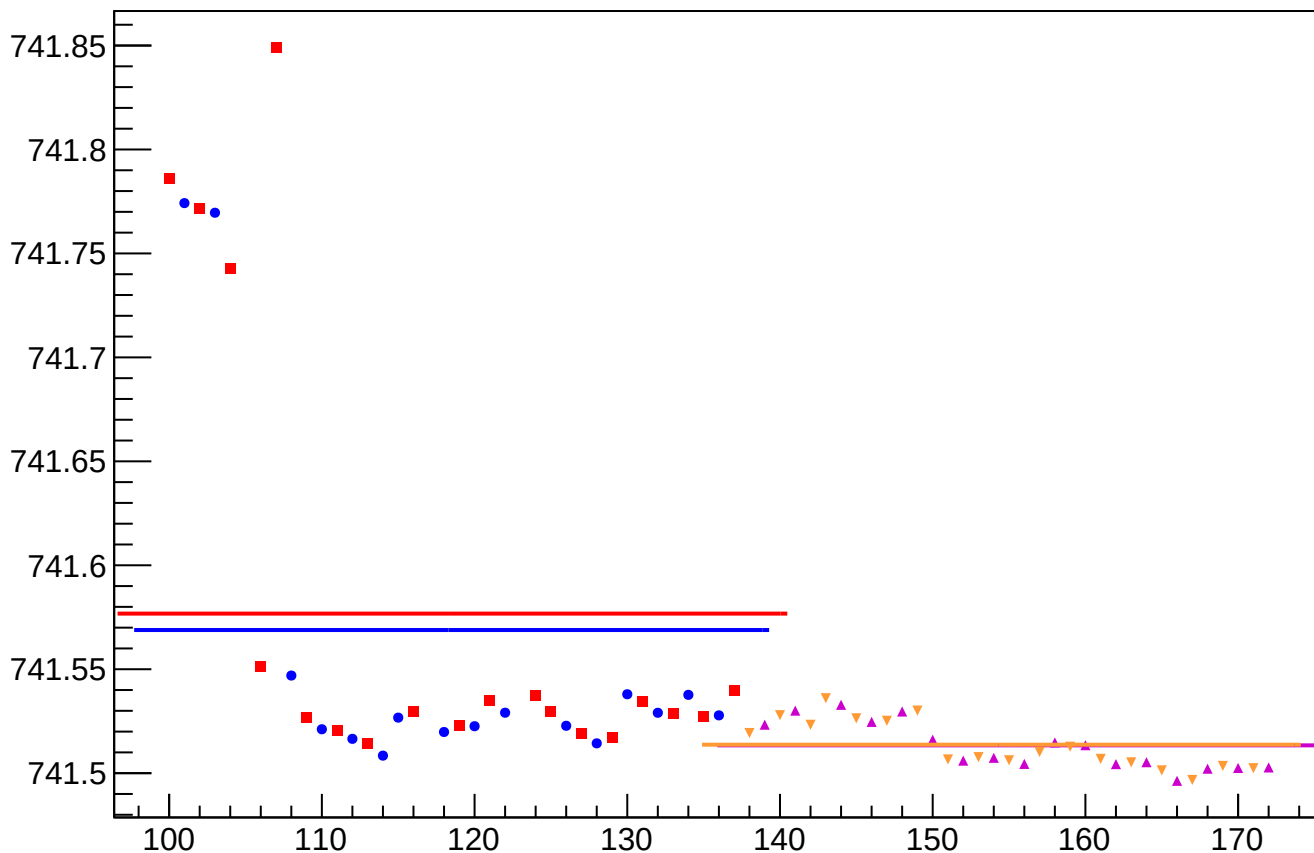
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.769+/-0.000 χ^2/NDF : 2757217223595001187167685836800.0/15
 Left Out: 931.784+/-0.000 χ^2/NDF : 4169217446620054800626400362496.0/17
 Right Out: 913.447+/-0.000 χ^2/NDF : 12765879635094435683491886518824337408.0/18
 Left In: 931.775+/-0.000 χ^2/NDF : 3698438166192546972483203366912.0/16
 All: 928.632+/-0.000 χ^2/NDF : 129782741392.0/16
 + sign 931.779+/-0.000 χ^2/NDF : 703973892573198.0/16
 - sign 925.475+/-0.000 χ^2/NDF : 129340899557126.0/16

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.569+/-0.000 χ^2/NDF : 6432951176127947061938899386368.0/15

Left Out: 741.514+/-0.000 χ^2/NDF : 192403044839451260951057137664.0/17

Right Out: 741.577+/-0.000 χ^2/NDF : 7692263947892614711537477615616.0/18

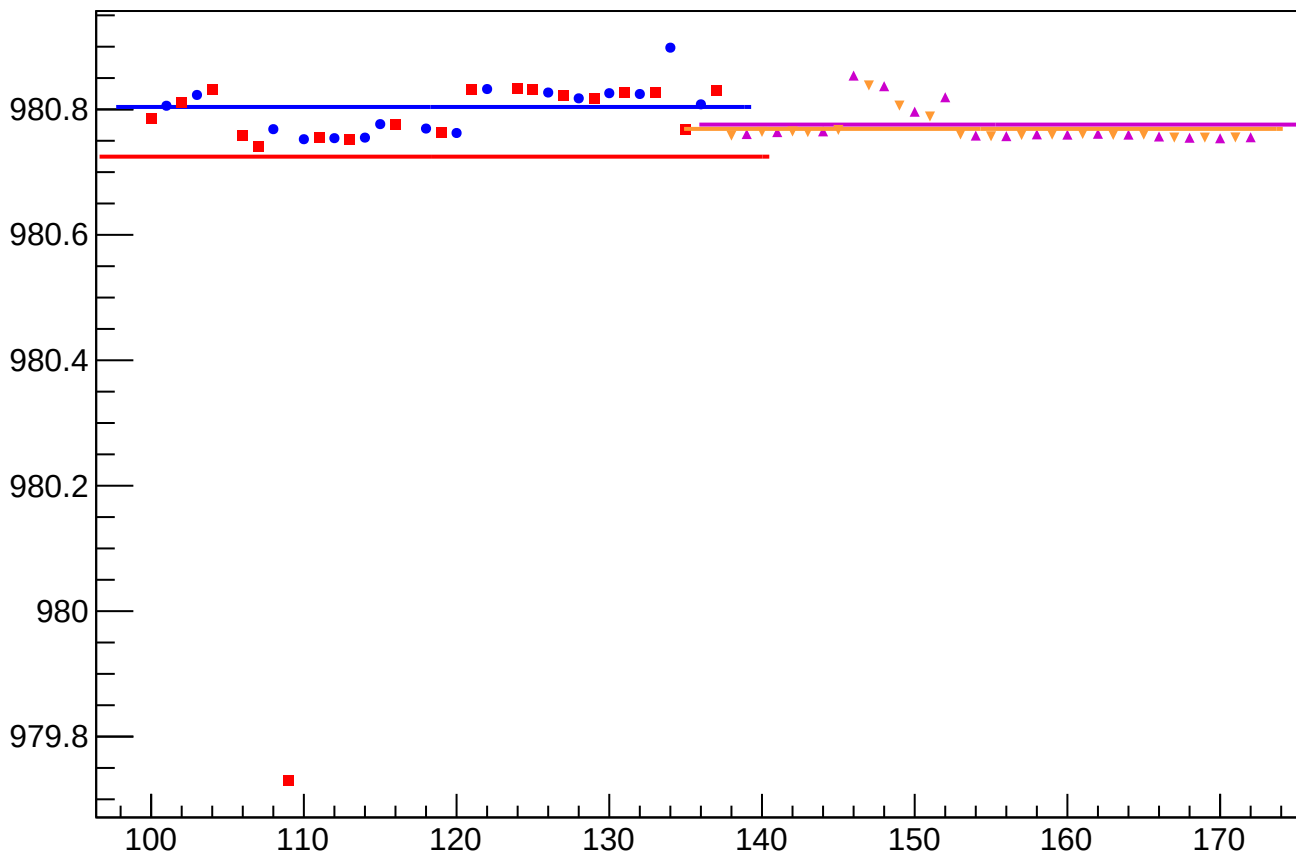
Left In: 741.513+/-0.000 χ^2/NDF : 180295643190678985830473662464.0/16

+ sign 741.532+/-0.000 χ^2/NDF : 812914997610010

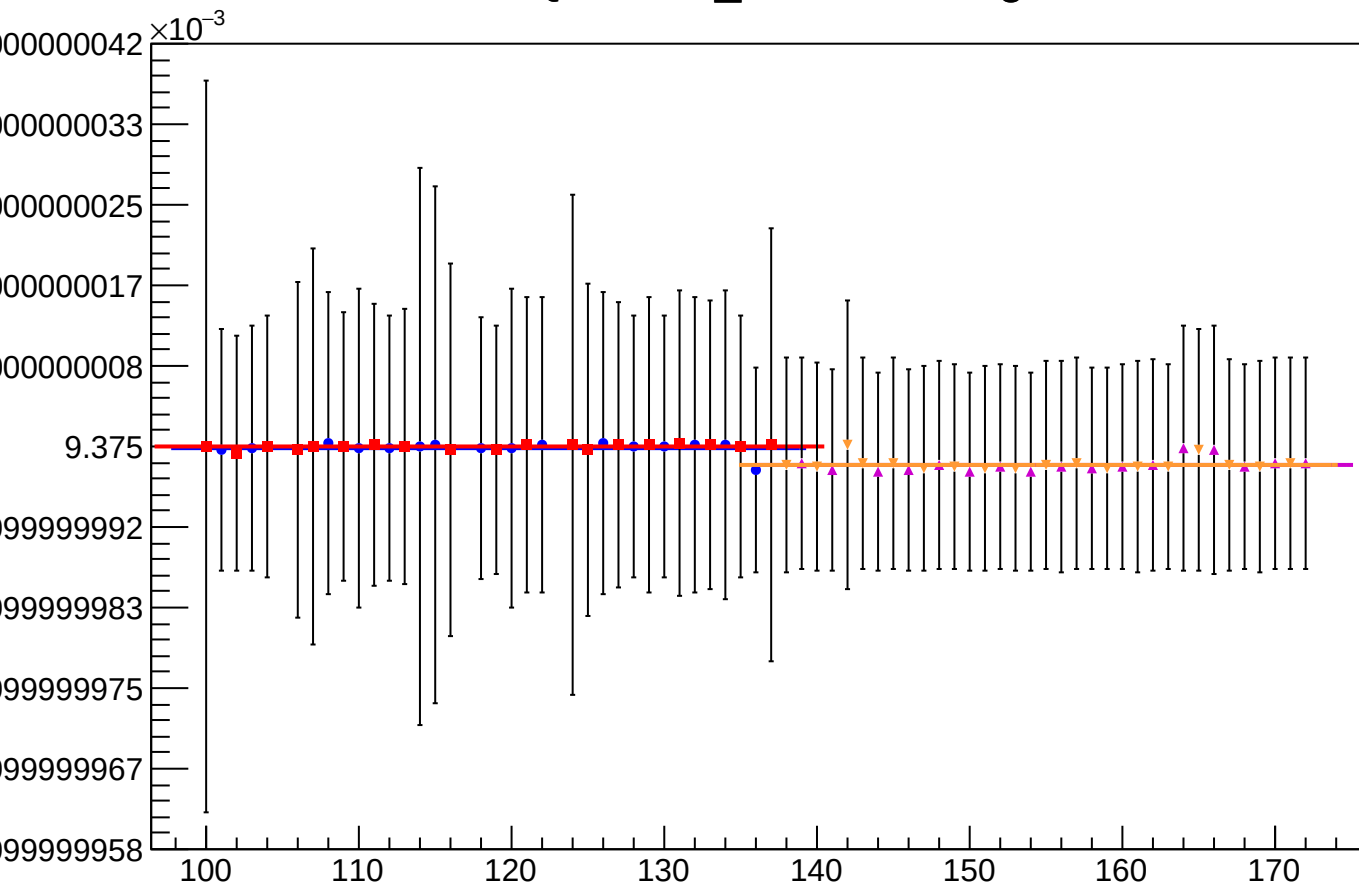
All: 741.534+/-0.000 χ^2/NDF : 18023472535

- sign 741.535+/-0.000 χ^2/NDF : 988357065974872

HacL_Q3_HP3458A_IOUT_mean vs Slug



MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

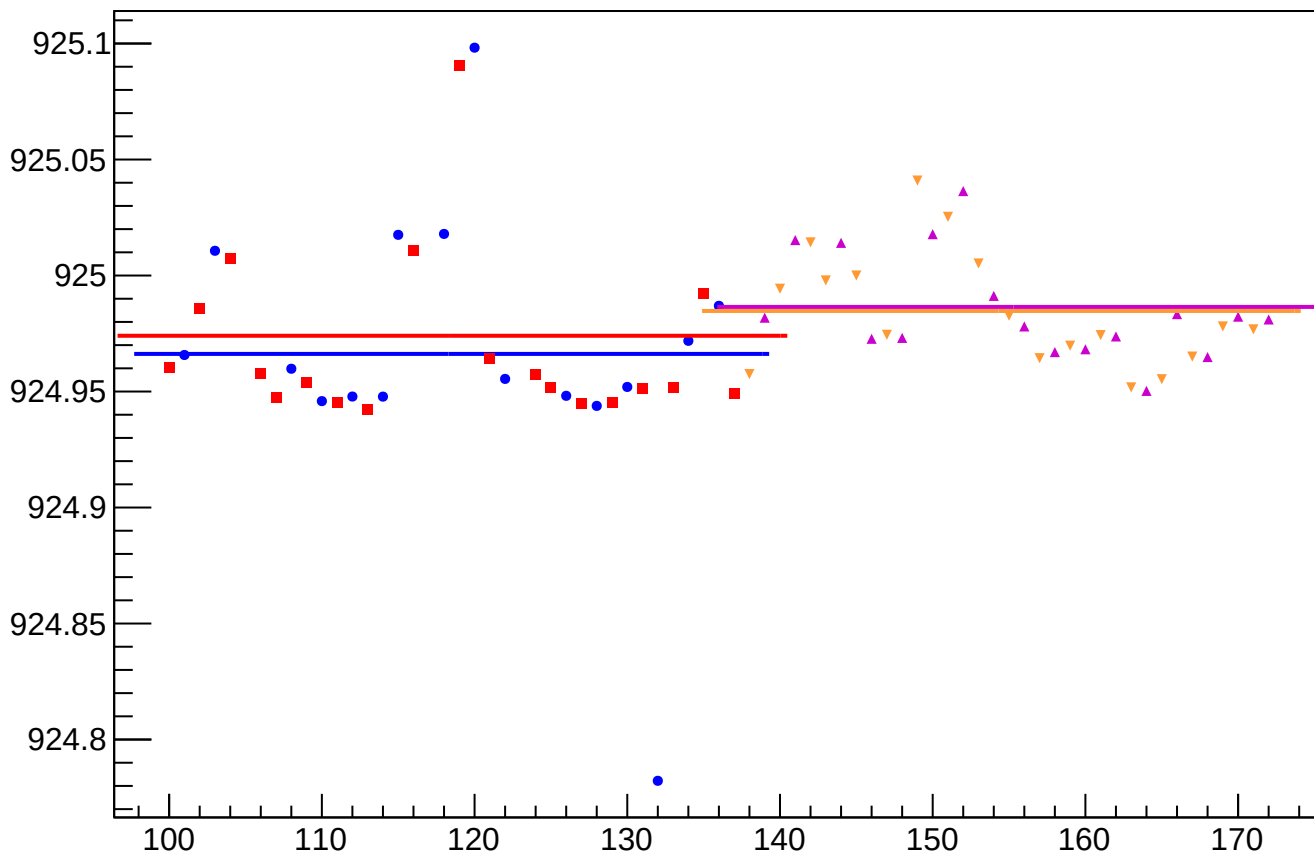
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.966 $\pm$ 0.000 χ^2/NDF : 2544370508087658800533037121536.0/15

Left Out: 924.985 $\pm$ 0.000 χ^2/NDF : 871852565448359559894008856576.0/17

Right Out: 924.974 $\pm$ 0.000 χ^2/NDF : 1241981521116890900236351832064.0/18

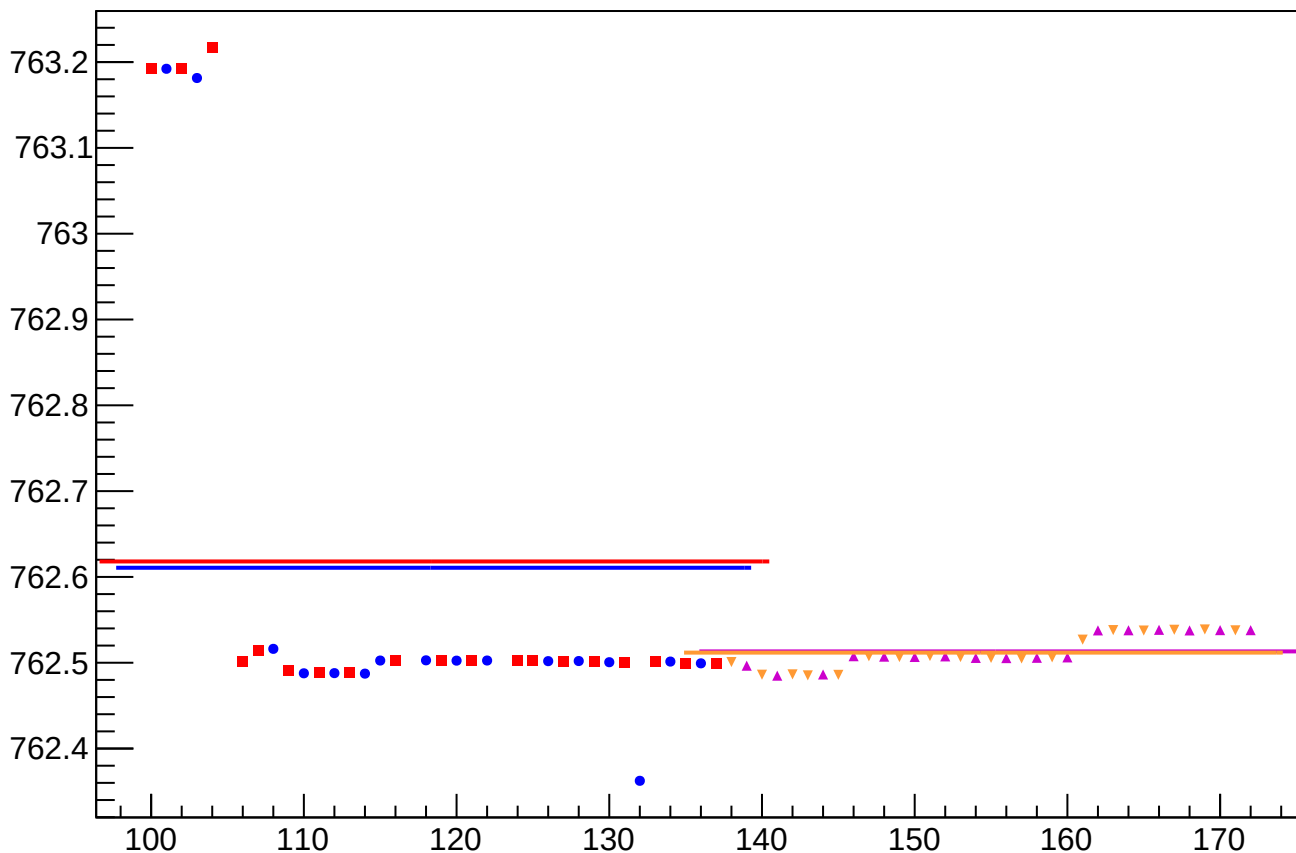
Left In: 924.986 $\pm$ 0.000 χ^2/NDF : 713773495392745847274185162752.0/16

+ sign 924.979 $\pm$ 0.000 χ^2/NDF : 358566978698539

All: 924.980 $\pm$ 0.000 χ^2/NDF : 563343359002

- sign 924.982 $\pm$ 0.000 χ^2/NDF : 203309630091719

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.611 $\pm$ 0.000 χ^2 /NDF: 52161453489138778834460408283136.0/15

Left Out: 762.512 $\pm$ 0.000 χ^2 /NDF: 530223826580370314901554462720.0/17

Right Out: 762.618 $\pm$ 0.000 χ^2 /NDF: 53134338532630395841297843748864.0/18

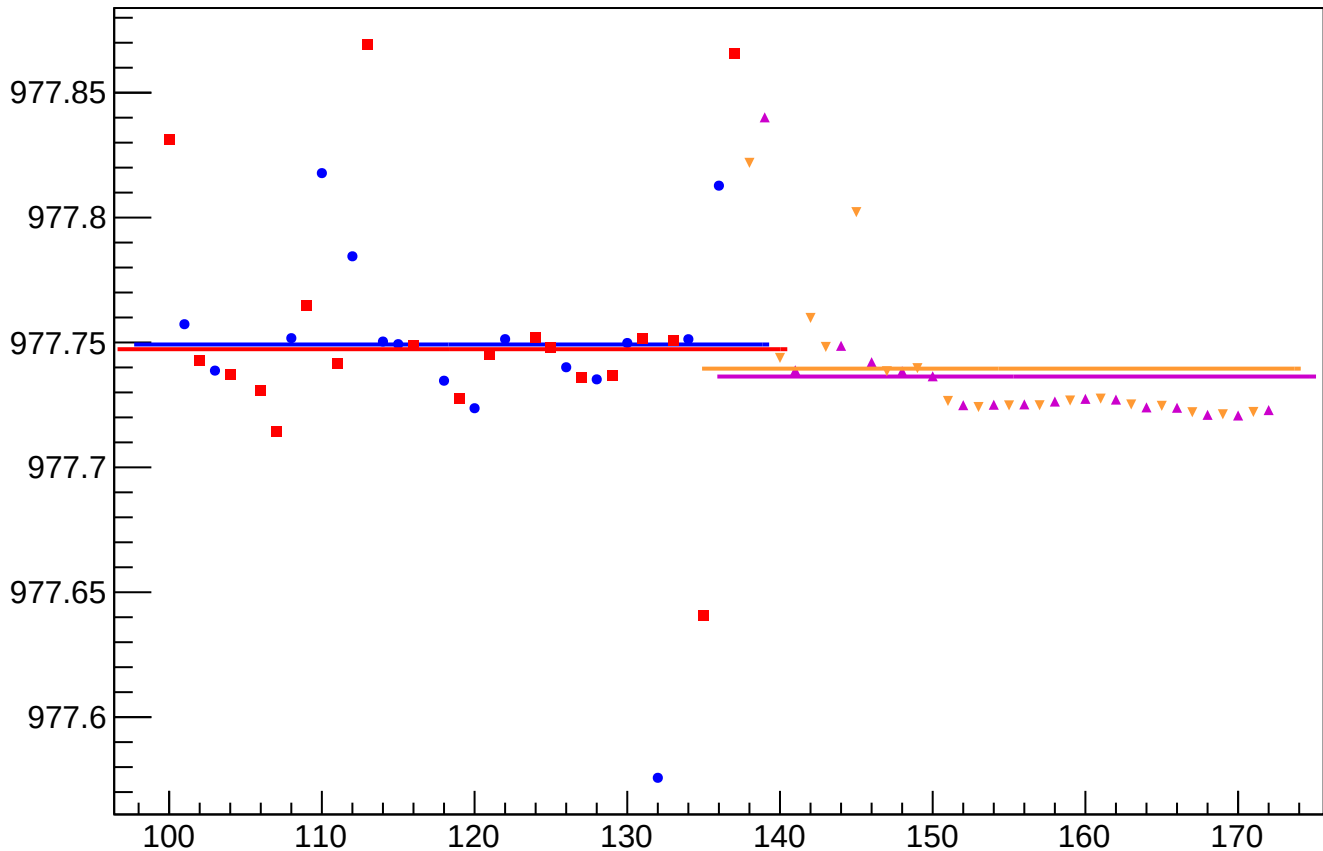
Left In: 762.513 $\pm$ 0.000 χ^2 /NDF: 482855184149464542451702169600.0/16

+ sign 762.545 $\pm$ 0.000 χ^2 /NDF: 575268880955287

All: 762.547 $\pm$ 0.000 χ^2 /NDF: 116668929413

- sign 762.549 $\pm$ 0.000 χ^2 /NDF: 591191353139055

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.749 $\pm$ 0.000 χ^2 /NDF: 1959578331072316074448224518144.0/15

Left Out: 977.740 $\pm$ 0.000 χ^2 /NDF: 1117032498519404171026130534400.0/17

Right Out: 977.747 $\pm$ 0.000 χ^2 /NDF: 1782226877816914726327966236672.0/18

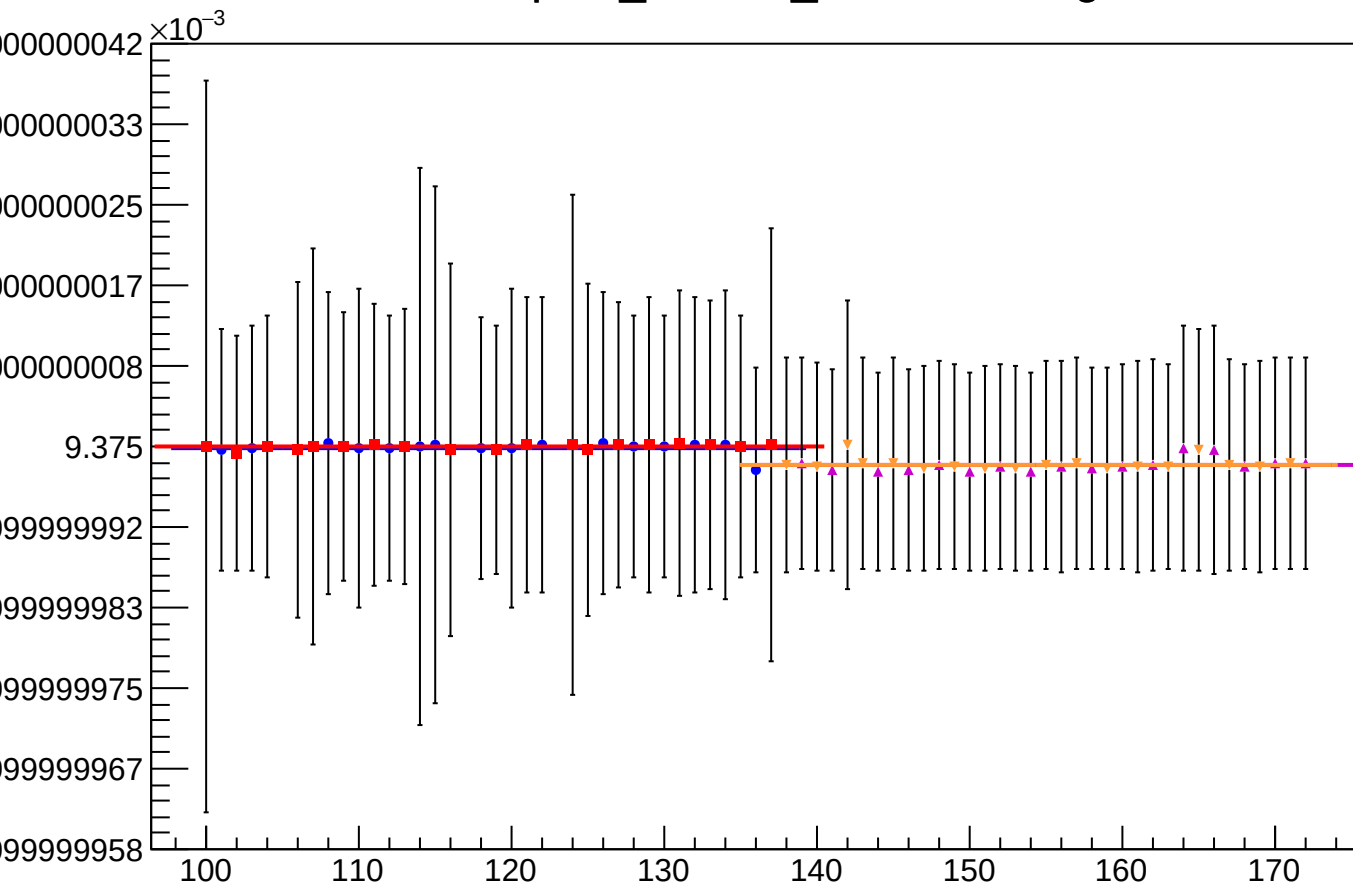
Left In: 977.736 $\pm$ 0.000 χ^2 /NDF: 1056263163020260805930945347584.0/16

+ sign 977.743 $\pm$ 0.000 χ^2 /NDF: 312281026739018

All: 977.741 $\pm$ 0.000 χ^2 /NDF: 602889117054

- sign 977.740 $\pm$ 0.000 χ^2 /NDF: 289844911486364

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

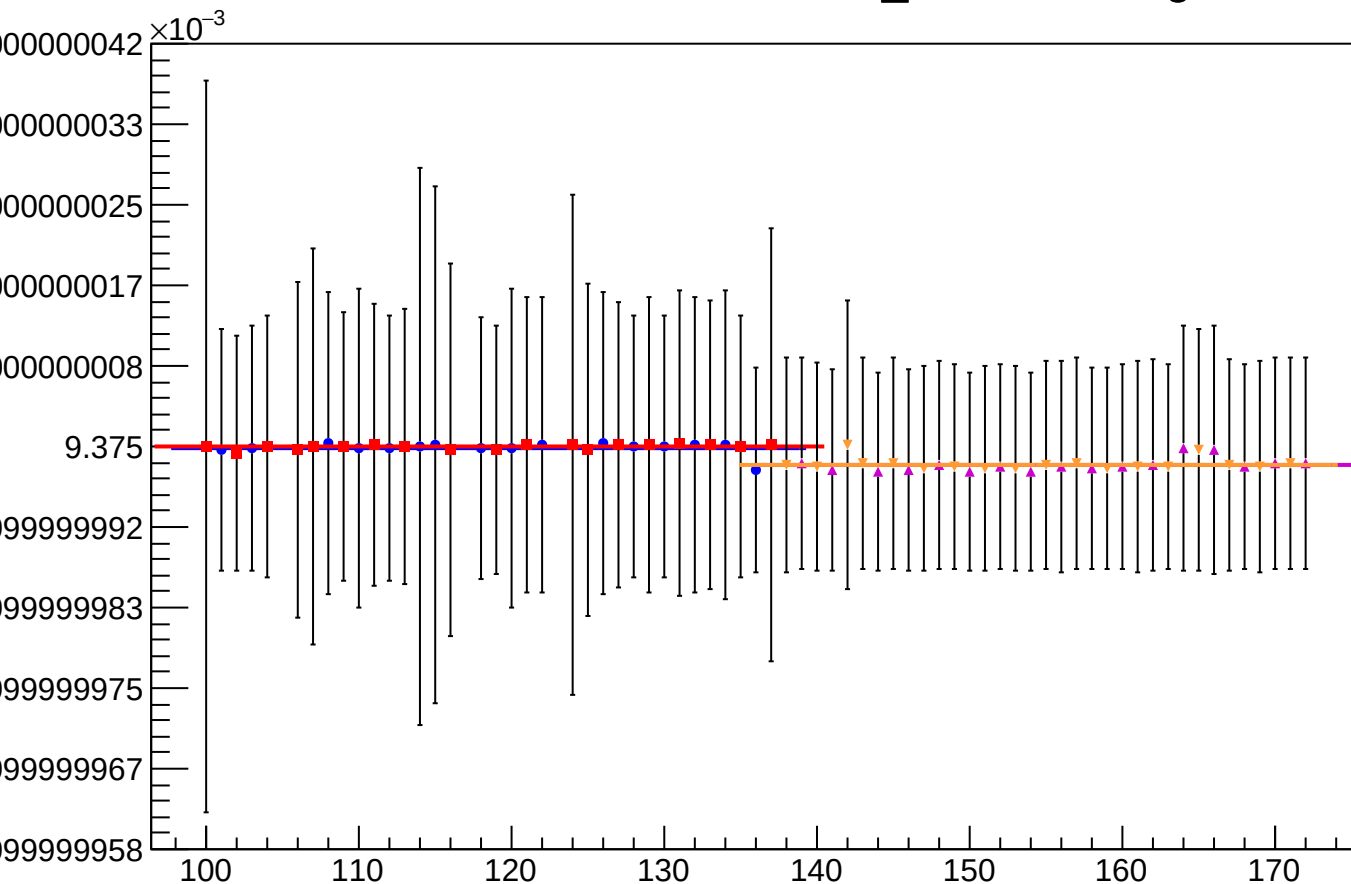
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

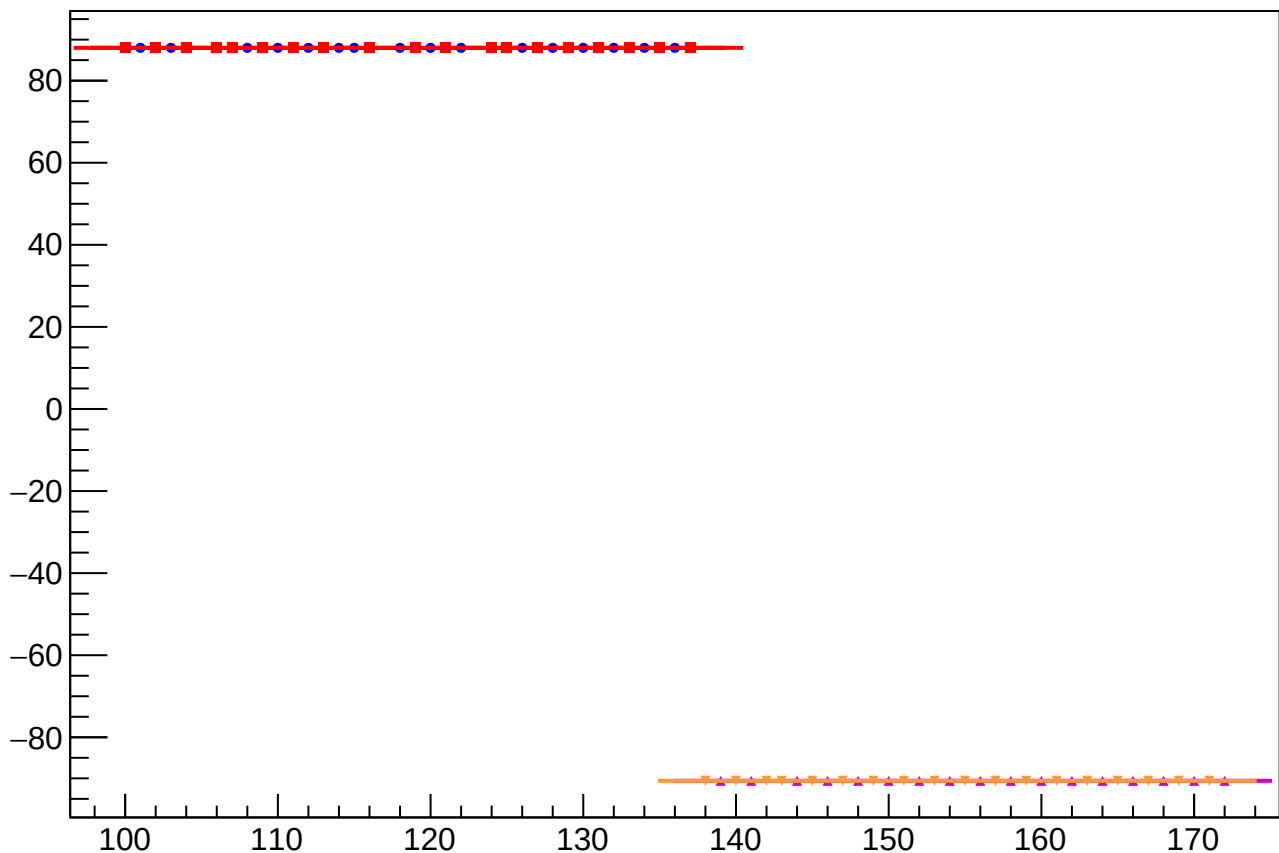
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35

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 : 73227058941379664360176091136.0/18

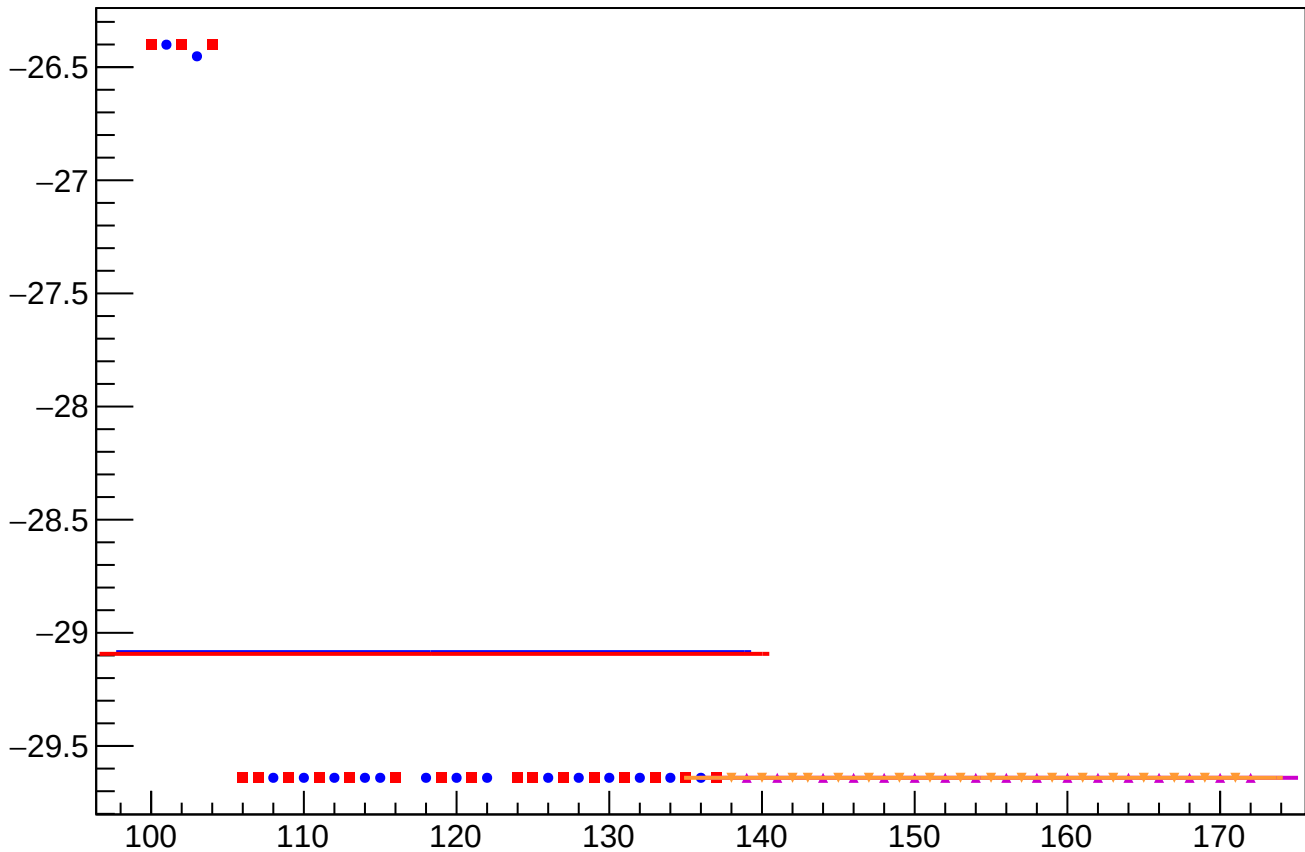
Left In: -90.599+/-0.000 χ^2/NDF : 4636129.2/16

+ sign -31.173+/-0.000 χ^2/NDF : 157717436474898

All: -30.195+/-0.000 χ^2/NDF : 317497675110

- sign -29.215+/-0.000 χ^2/NDF : 1597376073056607

HWienAngle_mean vs Slug



Right In: -29.085+/-0.000 χ^2/NDF : 1094367885251609877355036411953152.0/15

Left Out: -29.641+/-0.000 χ^2/NDF : 213295.4/17

Right Out: -29.093+/-0.000 χ^2/NDF : 1125238156749692849797805899776000.0/18

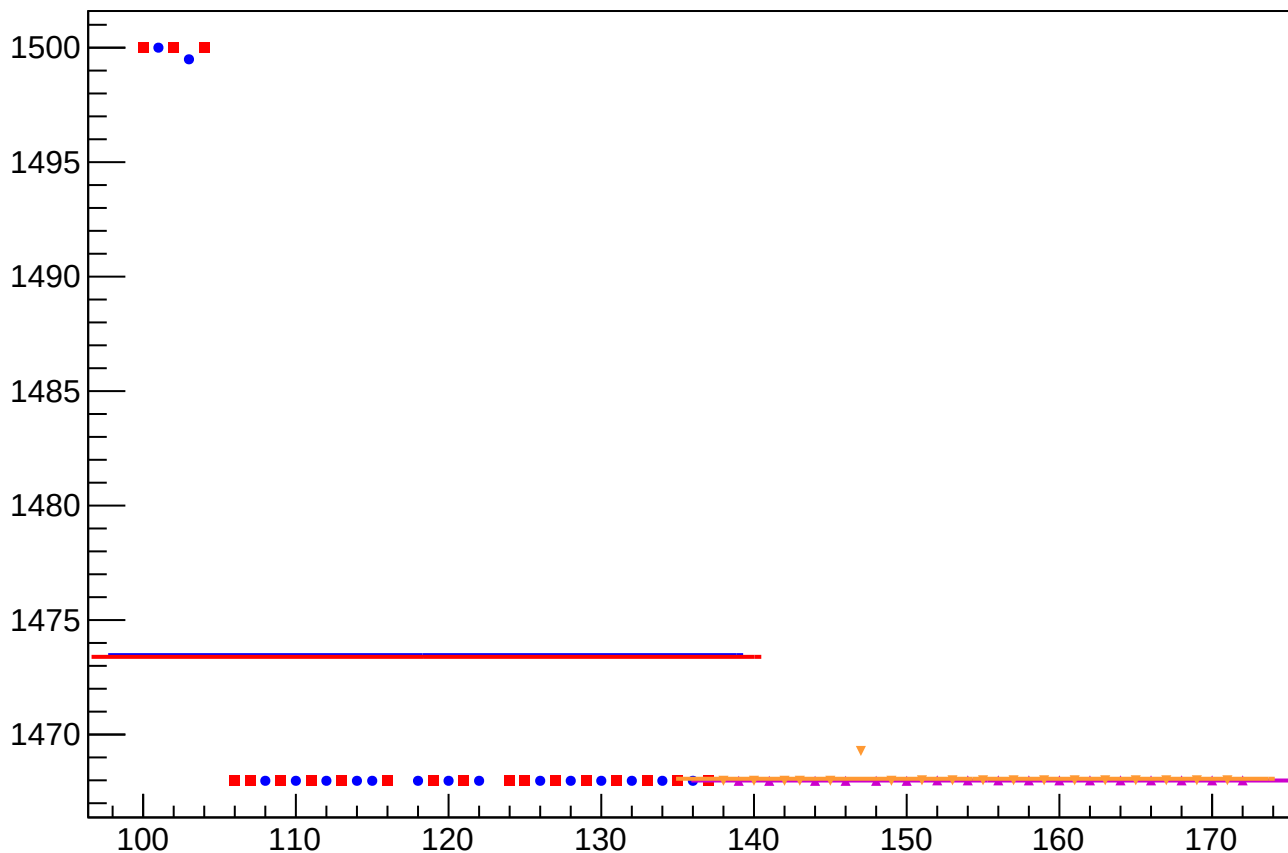
Left In: -29.641+/-0.000 χ^2/NDF : 86421.3/16

+ sign -29.456+/-0.000 χ^2/NDF : 124683558447622

All: -29.454+/-0.000 χ^2/NDF : 252235017307

- sign -29.452+/-0.000 χ^2/NDF : 1275500957837832

psub_pl_pos_mean vs Slug



Right In: 1473.467+/-0.000 χ^2/NDF : 106894194860706176878485793704771584.0/15

Left Out: 1468.069+/-0.000 χ^2/NDF : 137660280958674475302657682571264.0/17

Right Out: 1473.393+/-0.000 χ^2/NDF : 109909499733401078761067843300622336.0/18

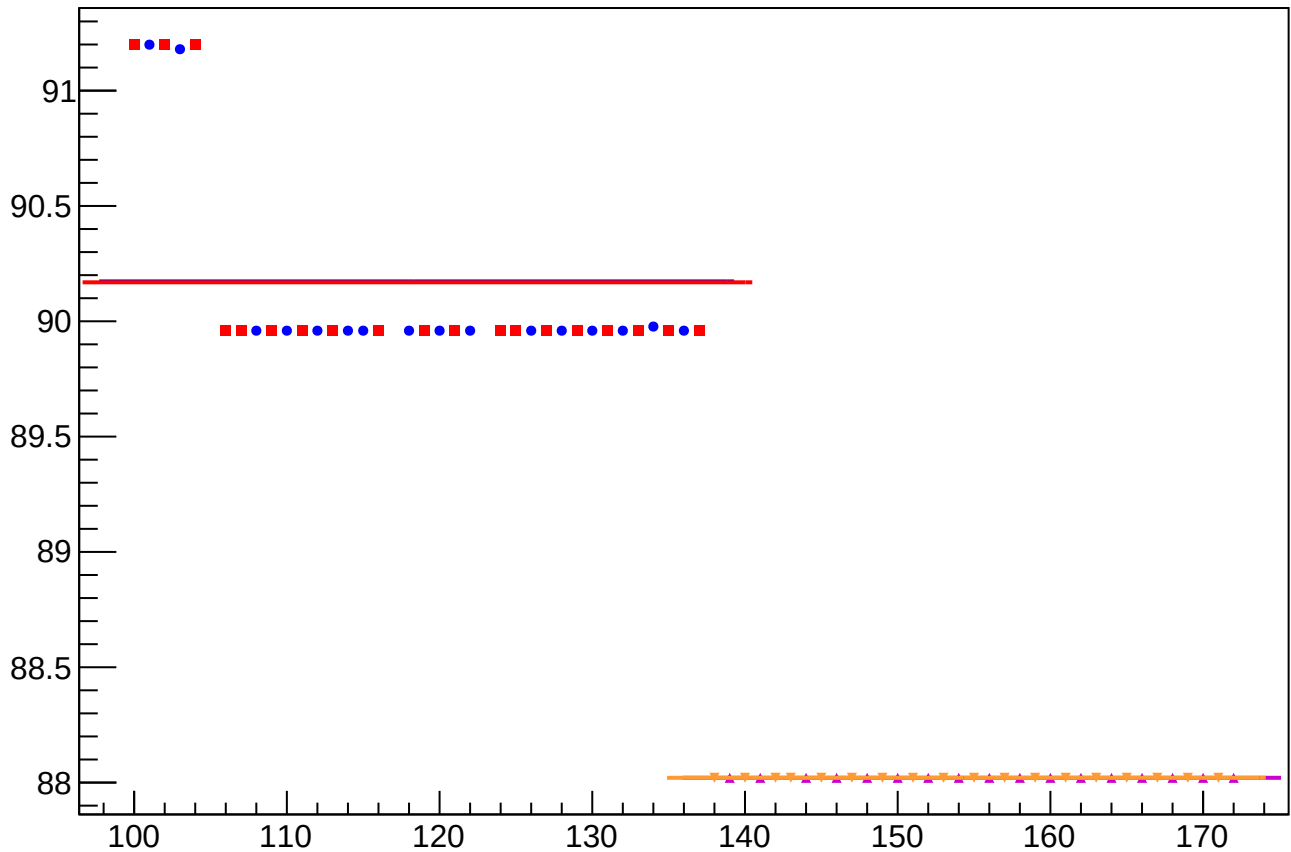
Left In: 1467.992+/-0.000 χ^2/NDF : 136354701406905548216194826240.0/16

+ sign 1469.865+/-0.000 χ^2/NDF : 12144206224224

All: 1469.857+/-0.000 χ^2/NDF : 24596131167

- sign 1469.848+/-0.000 χ^2/NDF : 12451892970346

Phi_FG_mean vs Slug



Right In: 90.173+/-0.000 χ^2/NDF : 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF : 3850550.0/17

Right Out: 90.169+/-0.000 χ^2/NDF : 164815404456112641329707295440896.0/18

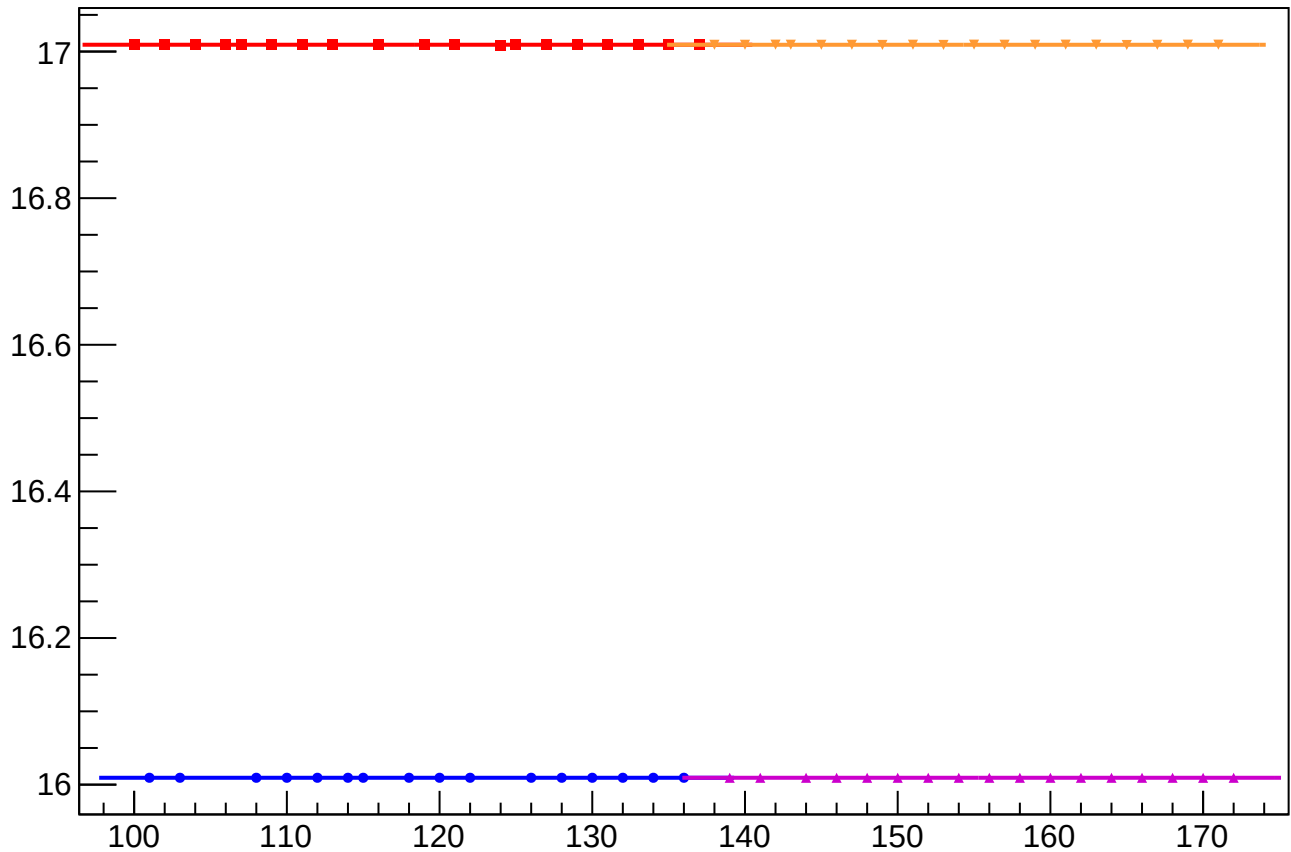
Left In: 88.021+/-0.000 χ^2/NDF : 4357440.4/16

+ sign 88.737+/-0.000 χ^2/NDF : 2449945315063257

All: 88.748+/-0.000 χ^2/NDF : 4926294822509

- sign 88.759+/-0.000 χ^2/NDF : 2475797953111080

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44239.3/15

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 22323162862977472354320384.0/17

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 13878987313036743260766208.0/18

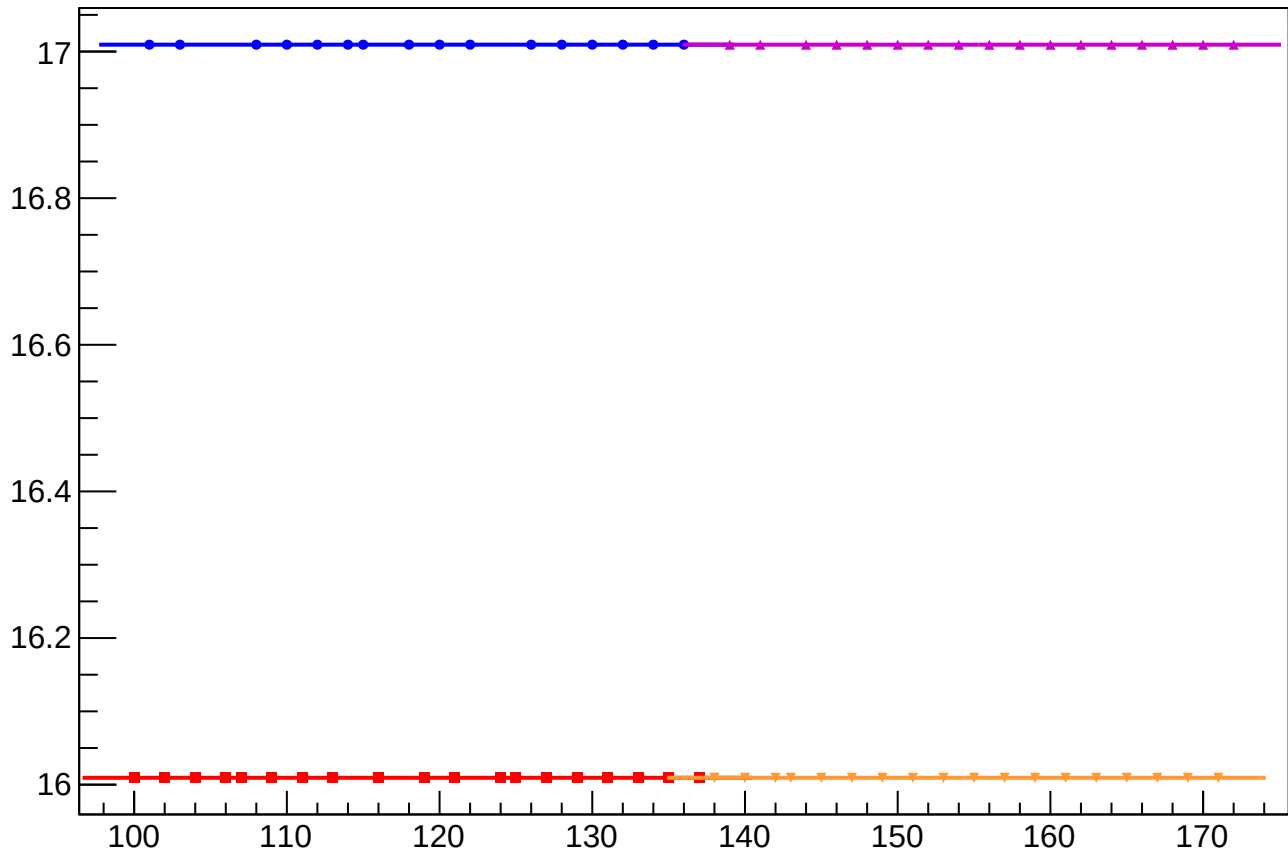
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 122958426101653323120640.0/16

+ sign 16.671 $\pm$ 0.000 χ^2 /NDF: 4643836024303285

All: 16.511 $\pm$ 0.000 χ^2 /NDF: 1028495999910

- sign 16.349 $\pm$ 0.000 χ^2 /NDF: 4575034274612920

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 126634.3/15

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 160372.3/17

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

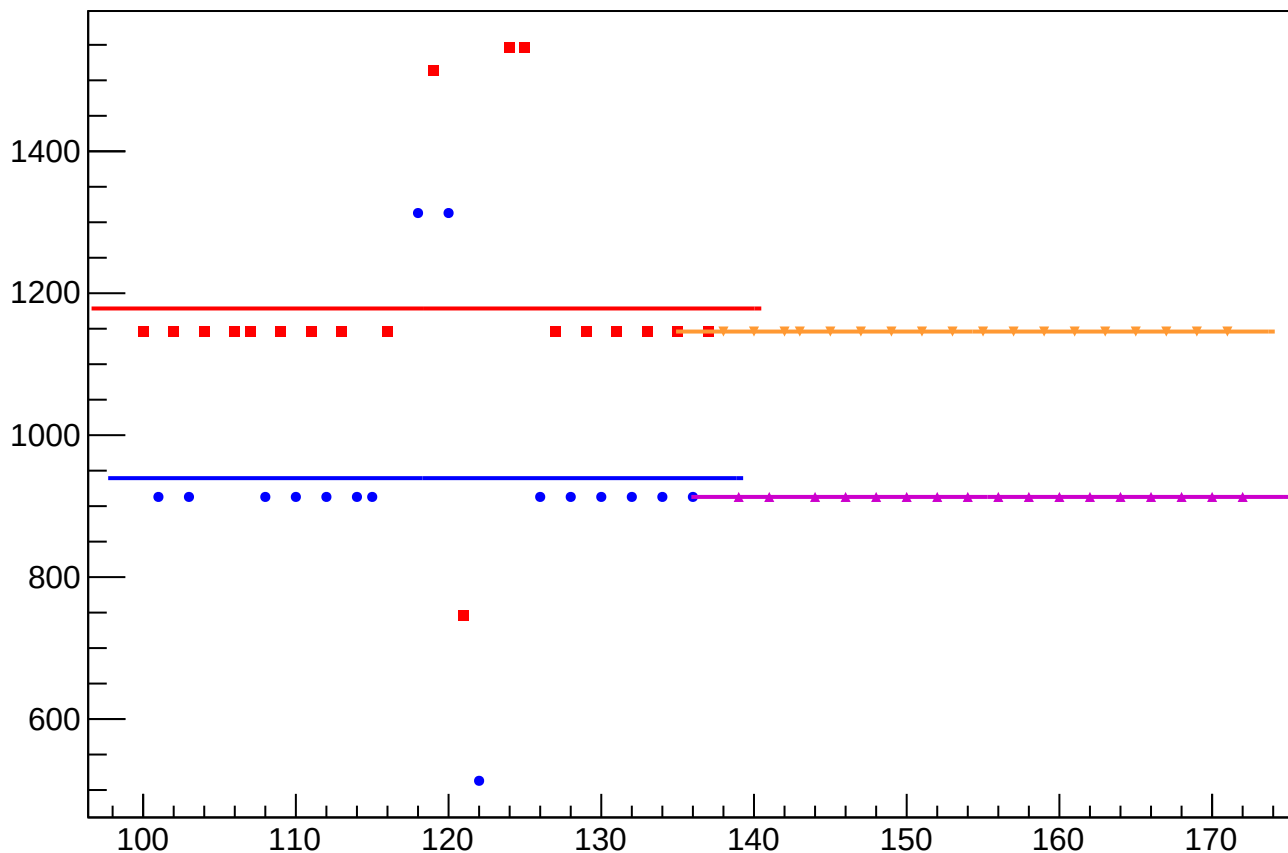
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 109428332044985173016576.0/16

+ sign 16.333 $\pm$ 0.000 χ^2 /NDF: 4781314102564099

All: 16.498 $\pm$ 0.000 χ^2 /NDF: 1092686491081

- sign 16.663 $\pm$ 0.000 χ^2 /NDF: 4958269787549715

RTPAPOSUCNT_mean vs Slug



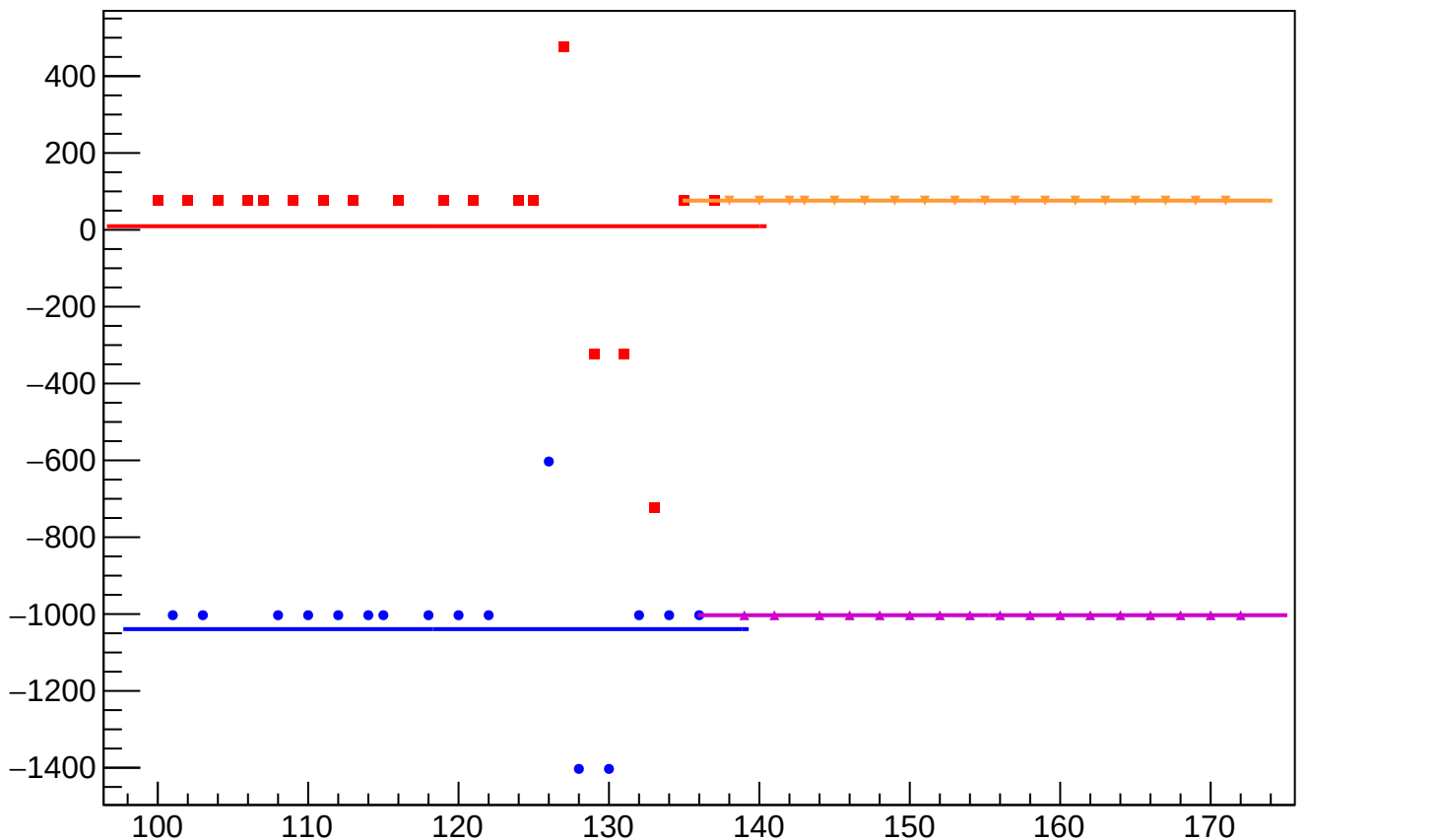
Right In: 939.446+/-0.000 χ^2/NDF : 21082933856092788763552768673189986304.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF : 5400380858546423943303004160.0/17 + sign 1077.280+/-0.000 χ^2/NDF : 42180419519826

Right Out: 1178.513+/-0.000 χ^2/NDF : 22140259958123277565481106114837741568.0/18 All: 1040.823+/-0.000 χ^2/NDF : 10555353647

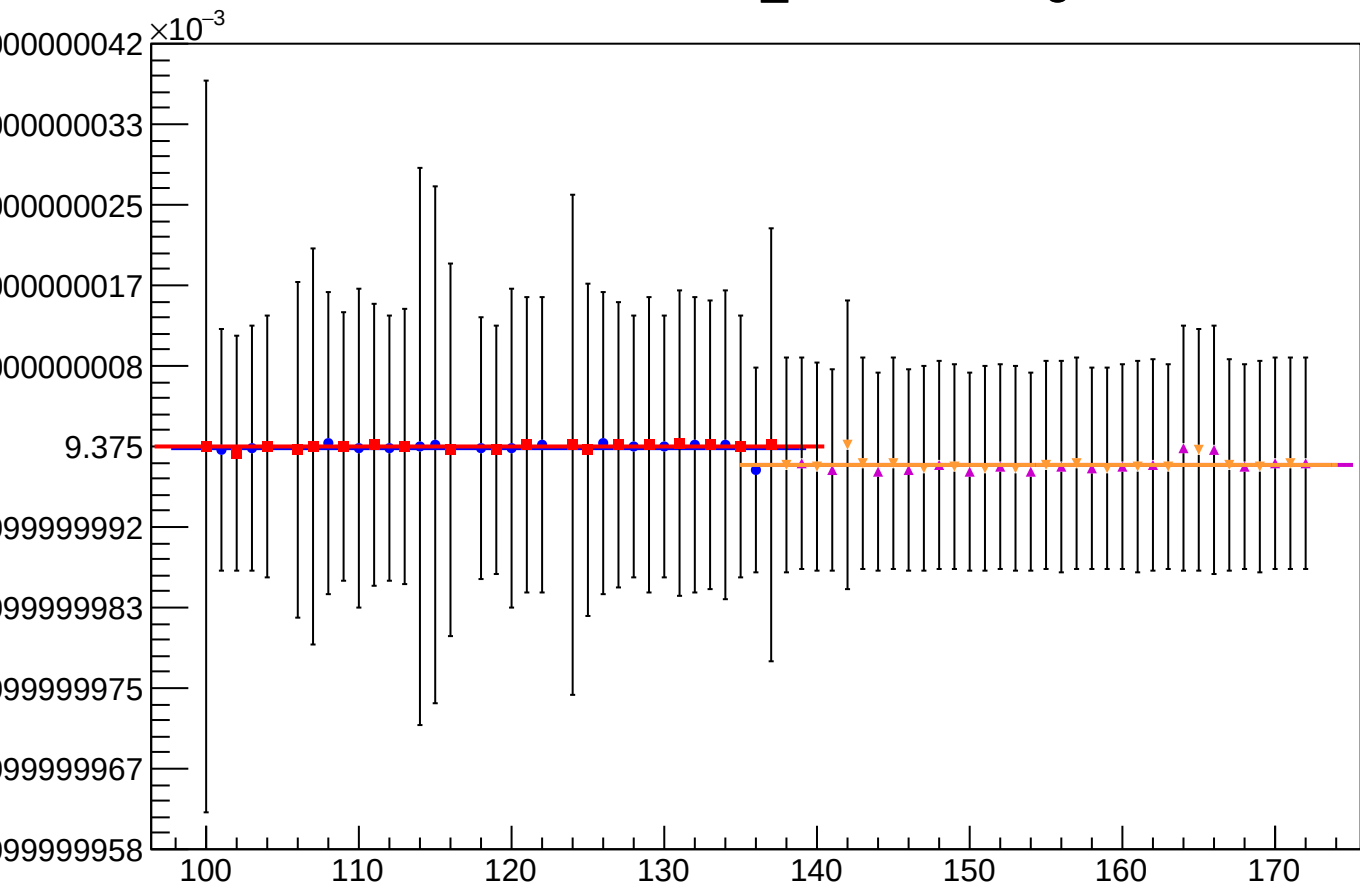
Left In: 912.994+/-0.000 χ^2/NDF : 17849041283891926679810998272.0/16 - sign 1004.252+/-0.000 χ^2/NDF : 57444029082839

RTPAPOSVCNT_mean vs Slug



Right In: -1039.157 ± 0.000 χ^2/NDF : 22870377308507164002708101555084591104.0/15
 Left Out: 76.011 ± 0.000 χ^2/NDF : 9832083674506890711868112896.0/17
 Right Out: 9.430 ± 0.000 χ^2/NDF : 46057394734928766474893736526051540992.0/18
 Left In: -1002.990 ± 0.000 χ^2/NDF : 2355265975002065372253782016.0/16
 All: -474.752 ± 0.000 χ^2/NDF : 13411642569
 + sign -295.044 ± 0.000 χ^2/NDF : 63776009299650
 - sign -655.027 ± 0.000 χ^2/NDF : 559334770071797

RTPPITA1CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

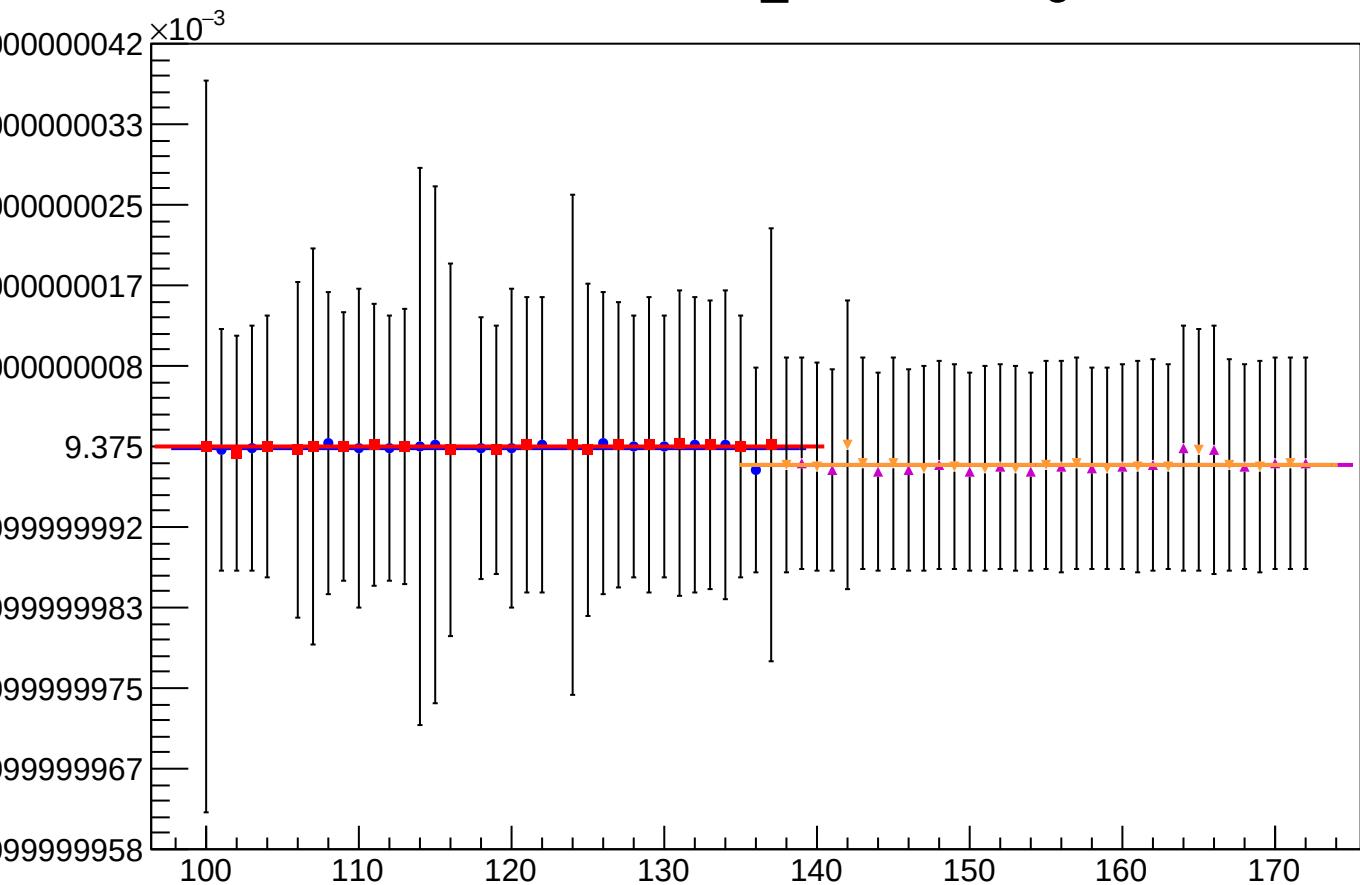
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35

RTPPITA2CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/69

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/35